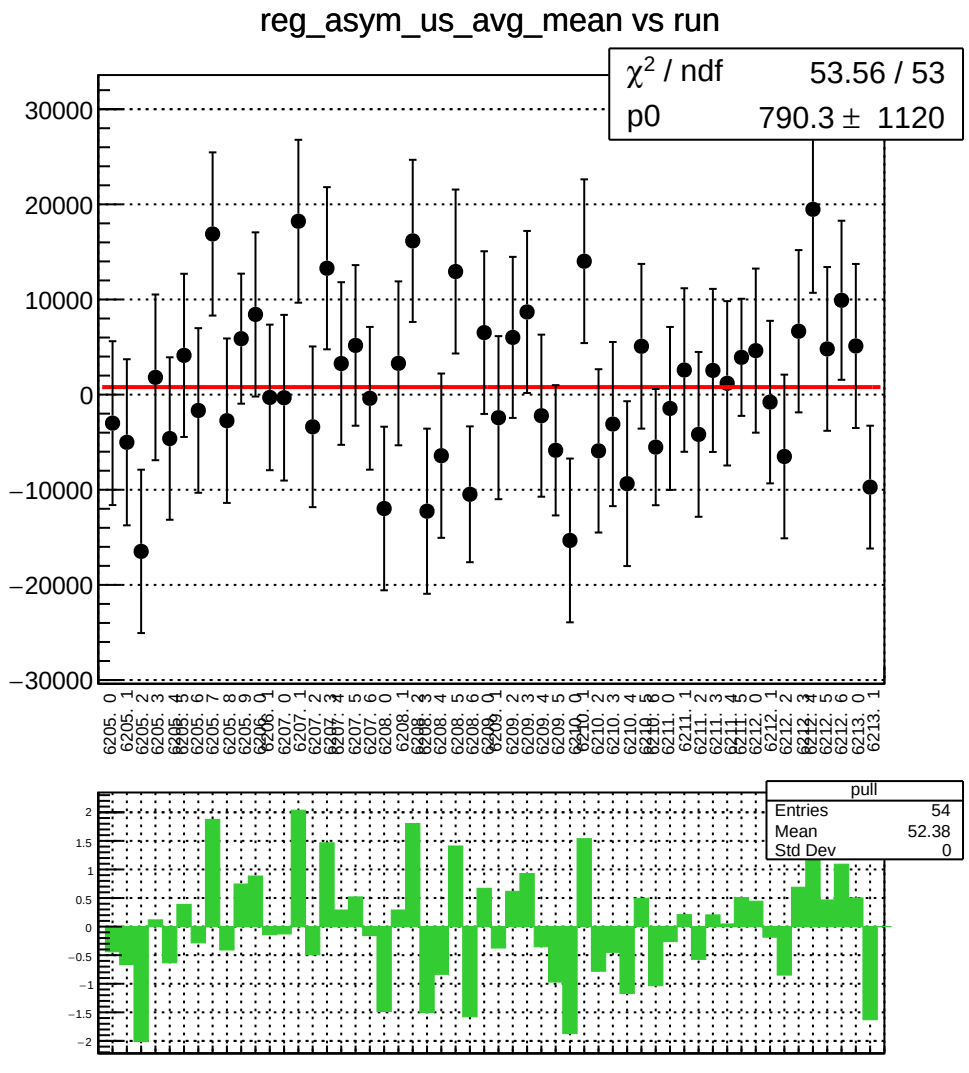
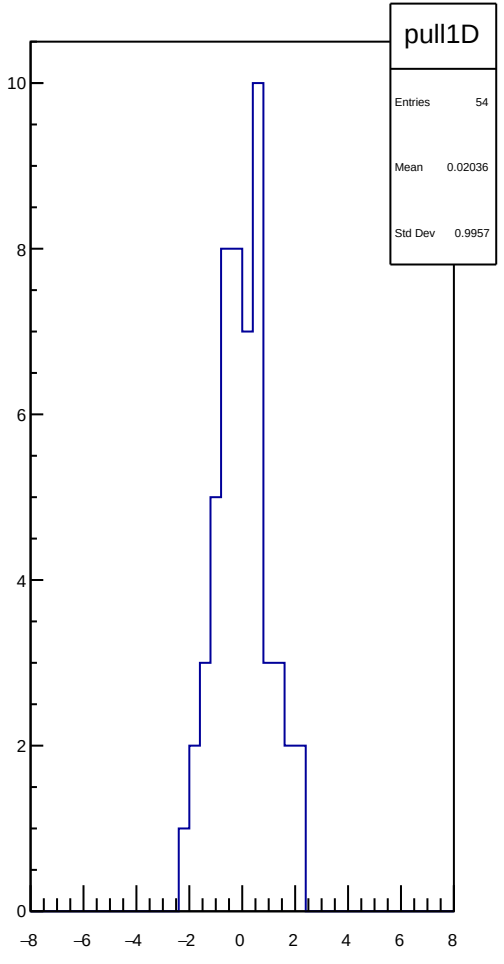
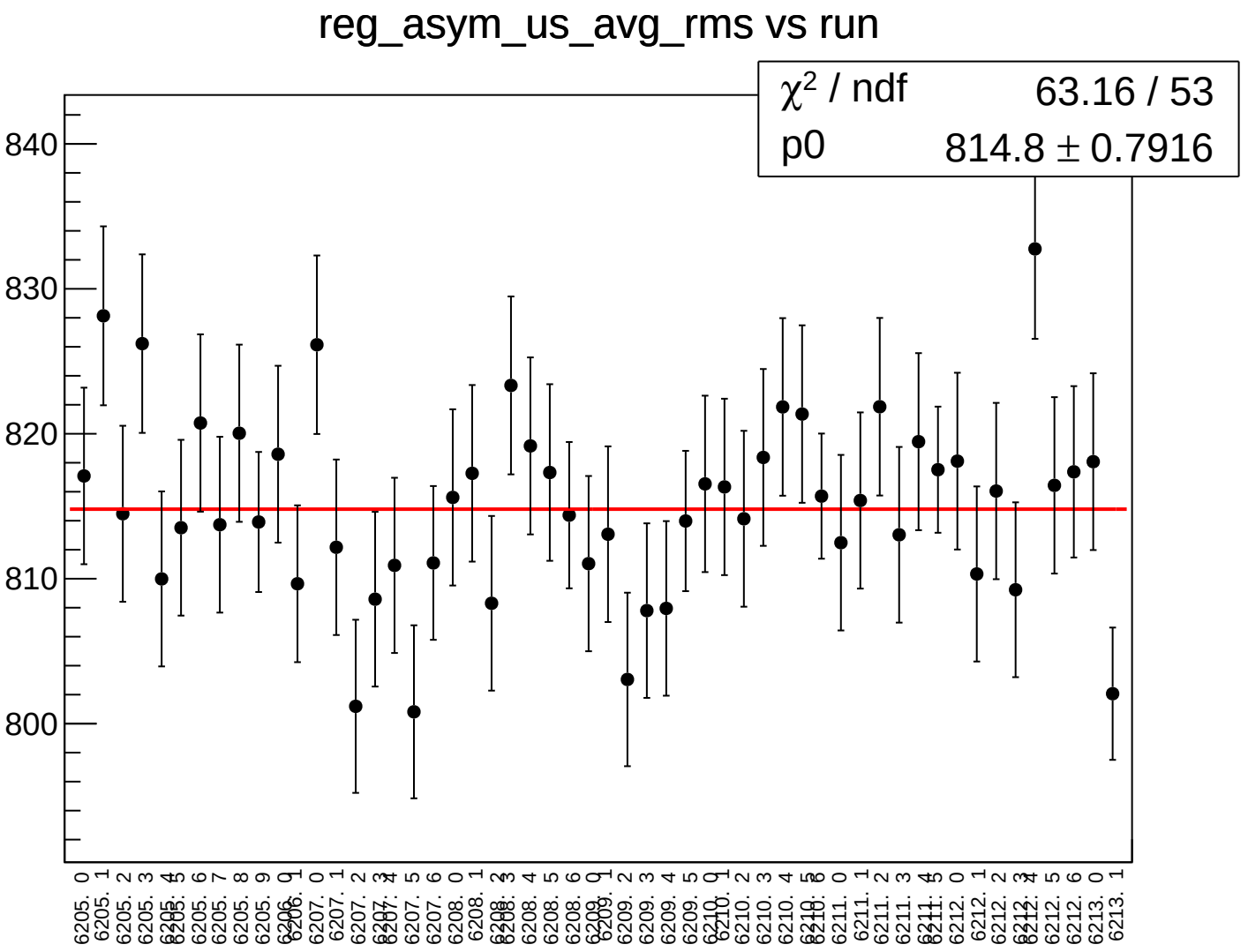

reg_asym_us_avg_mean vs run
χ² / ndf 53.56 / 53
p0 790.3 ± 1120
pull
Entries 54
Mean 52.38
Std Dev 0


pull1D
Entries 54
Mean 0.02036
Std Dev 0.9957


reg_asym_us_avg_rms vs run
χ² / ndf 63.16 / 53
p0 814.8 ± 0.7916
840
830
820
810
800
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
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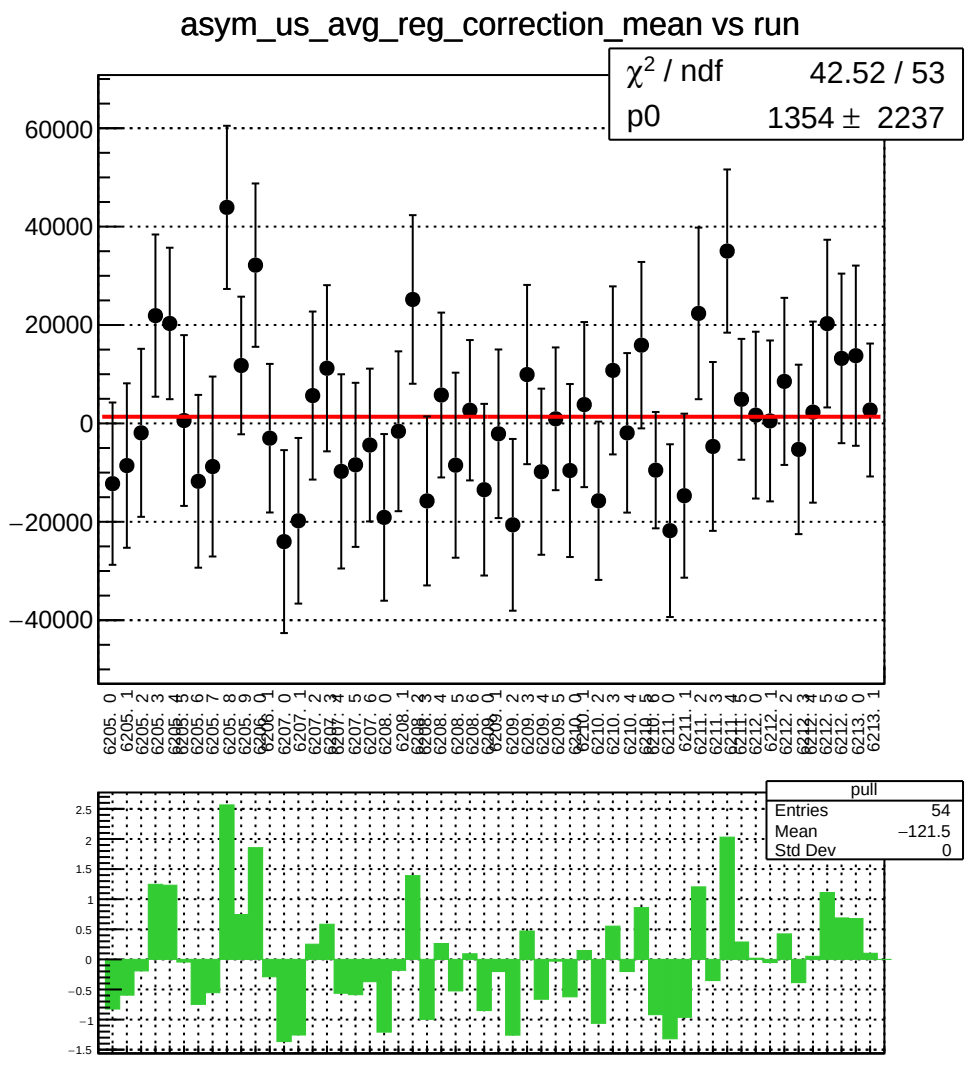
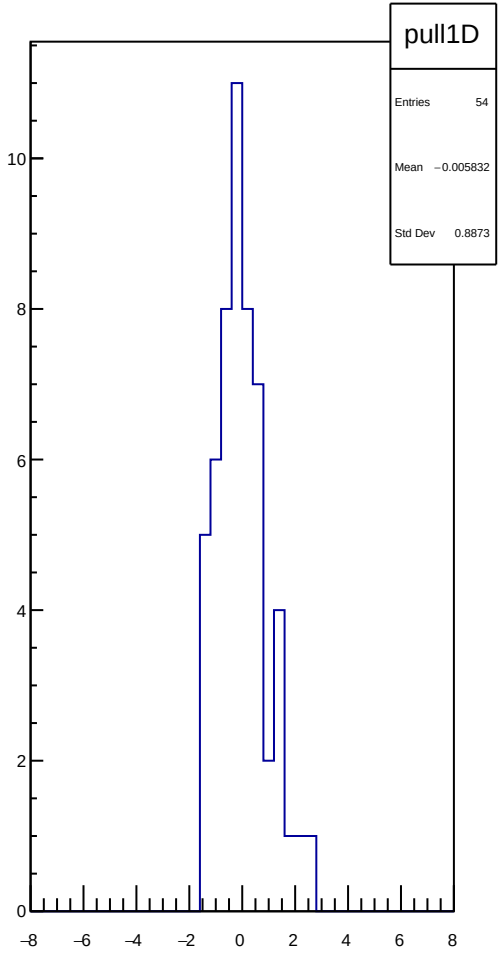
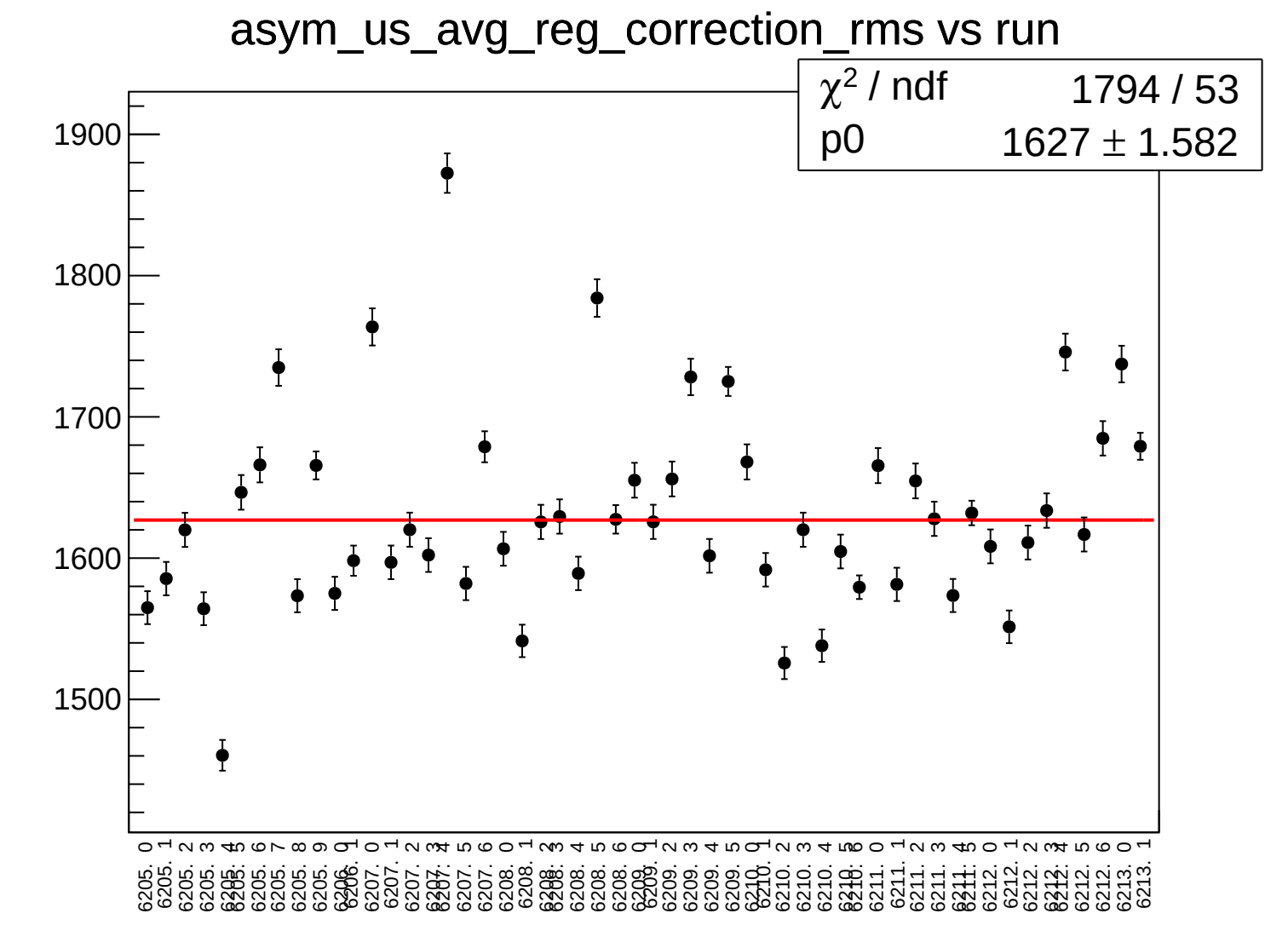
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_us_avg_reg_correction_mean vs run
χ² / ndf 42.52 / 53
p0 1354 ± 2237
pull
Entries 54
Mean −121.5
Std Dev 0


pull1D
Entries 54
Mean −0.005832
Std Dev 0.8873


asym_us_avg_reg_correction_rms vs run
χ² / ndf 1794 / 53
p0 1627 ± 1.582
1900
1800
1700
1600
1500
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
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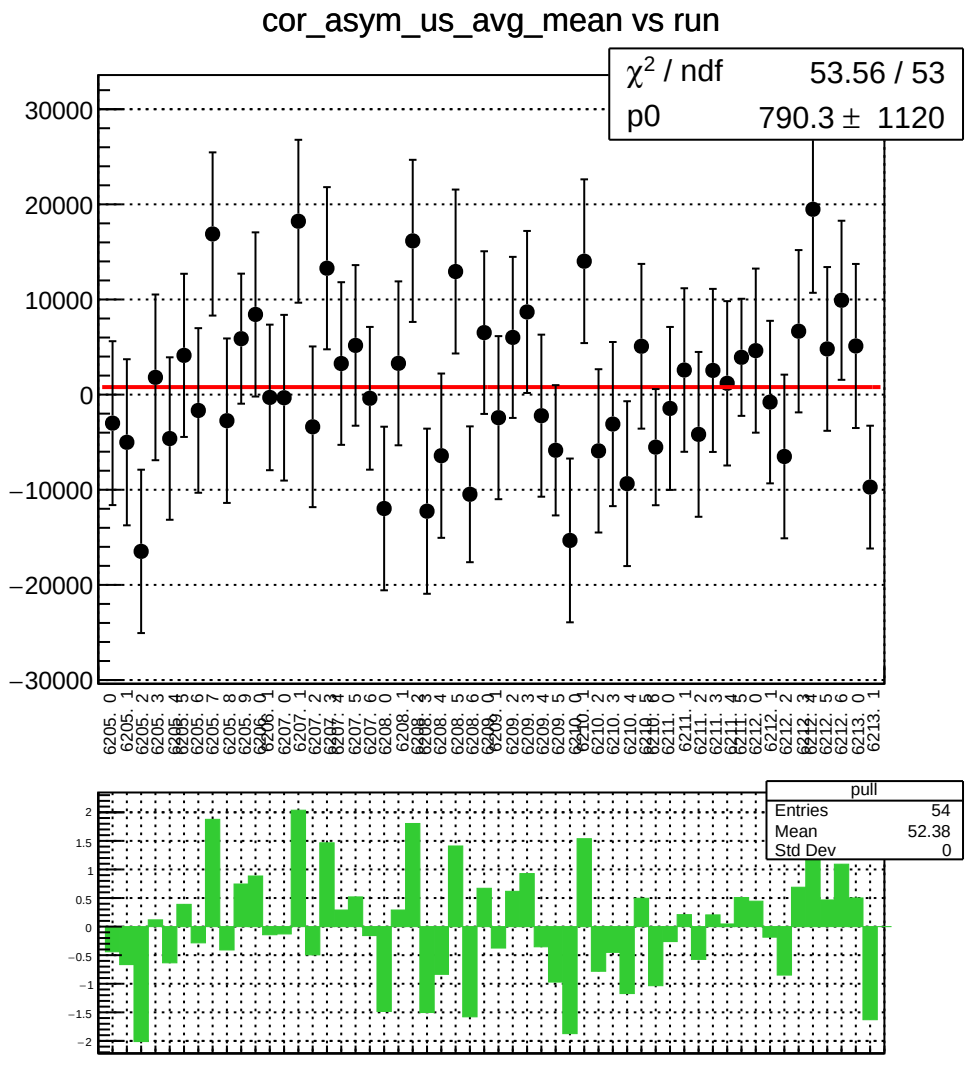
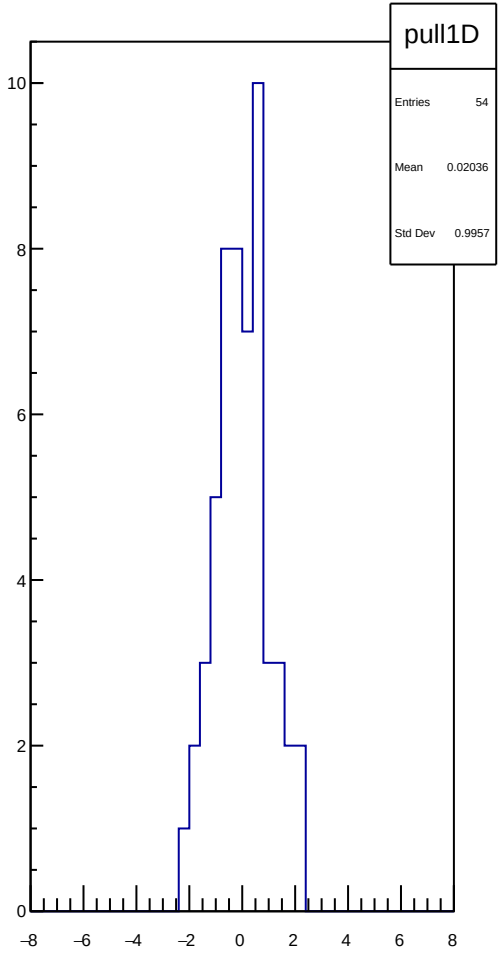
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


cor_asym_us_avg_mean vs run
χ² / ndf 53.56 / 53
p0 790.3 ± 1120
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 54
Mean 52.38
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 54
Mean 0.02036
Std Dev 0.9957
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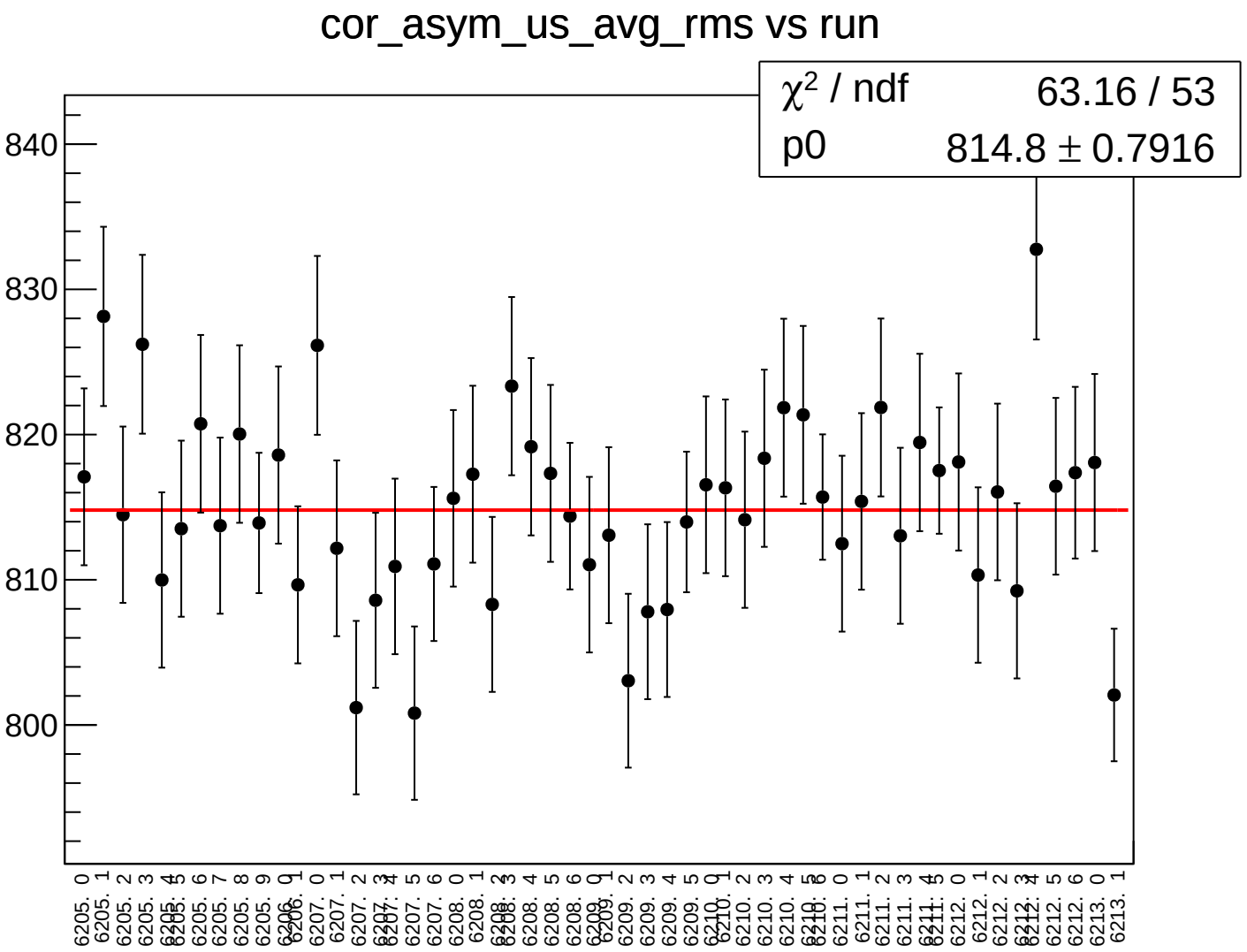
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_us_avg_rms vs run
χ² / ndf 63.16 / 53
p0 814.8 ± 0.7916
840
830
820
810
800
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
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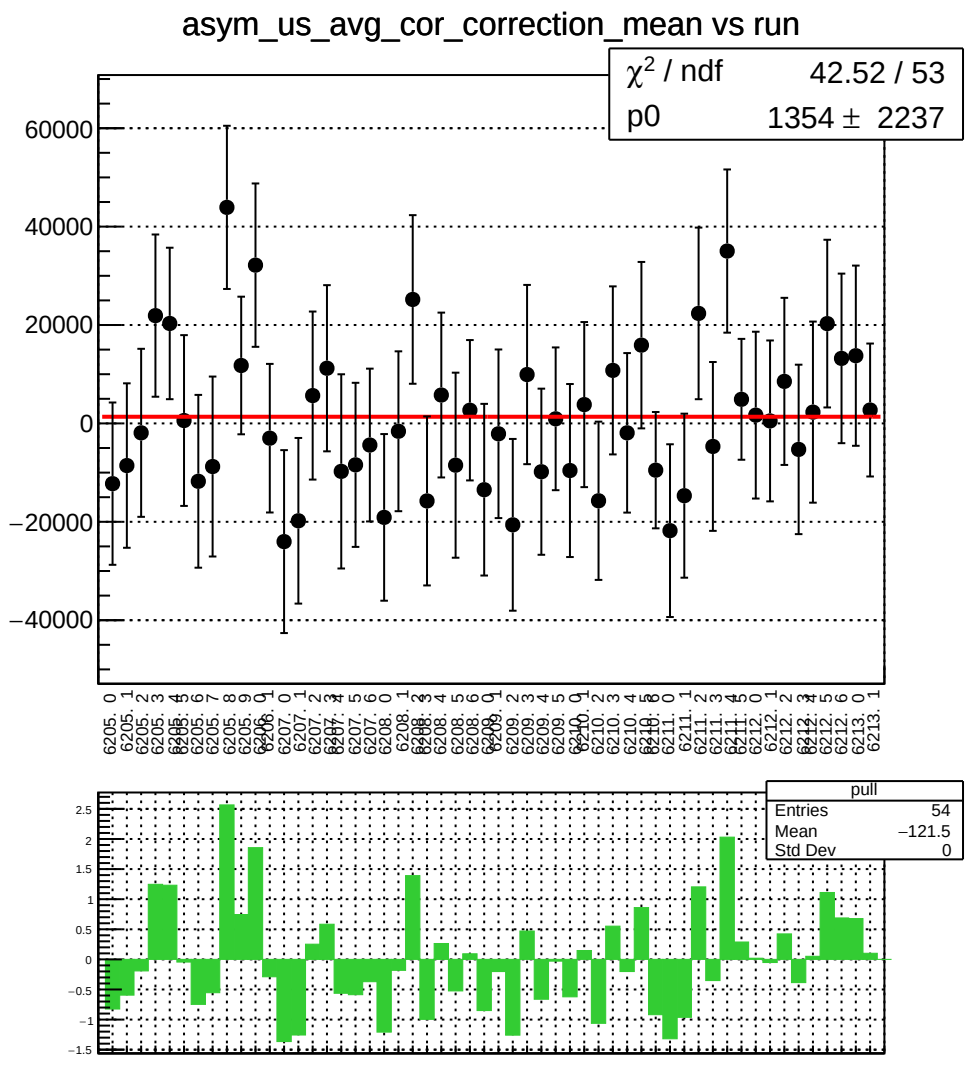
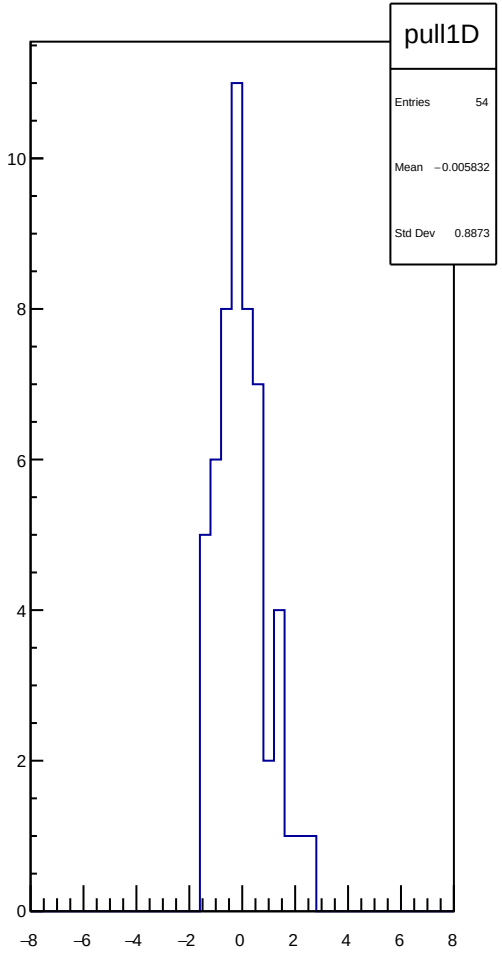
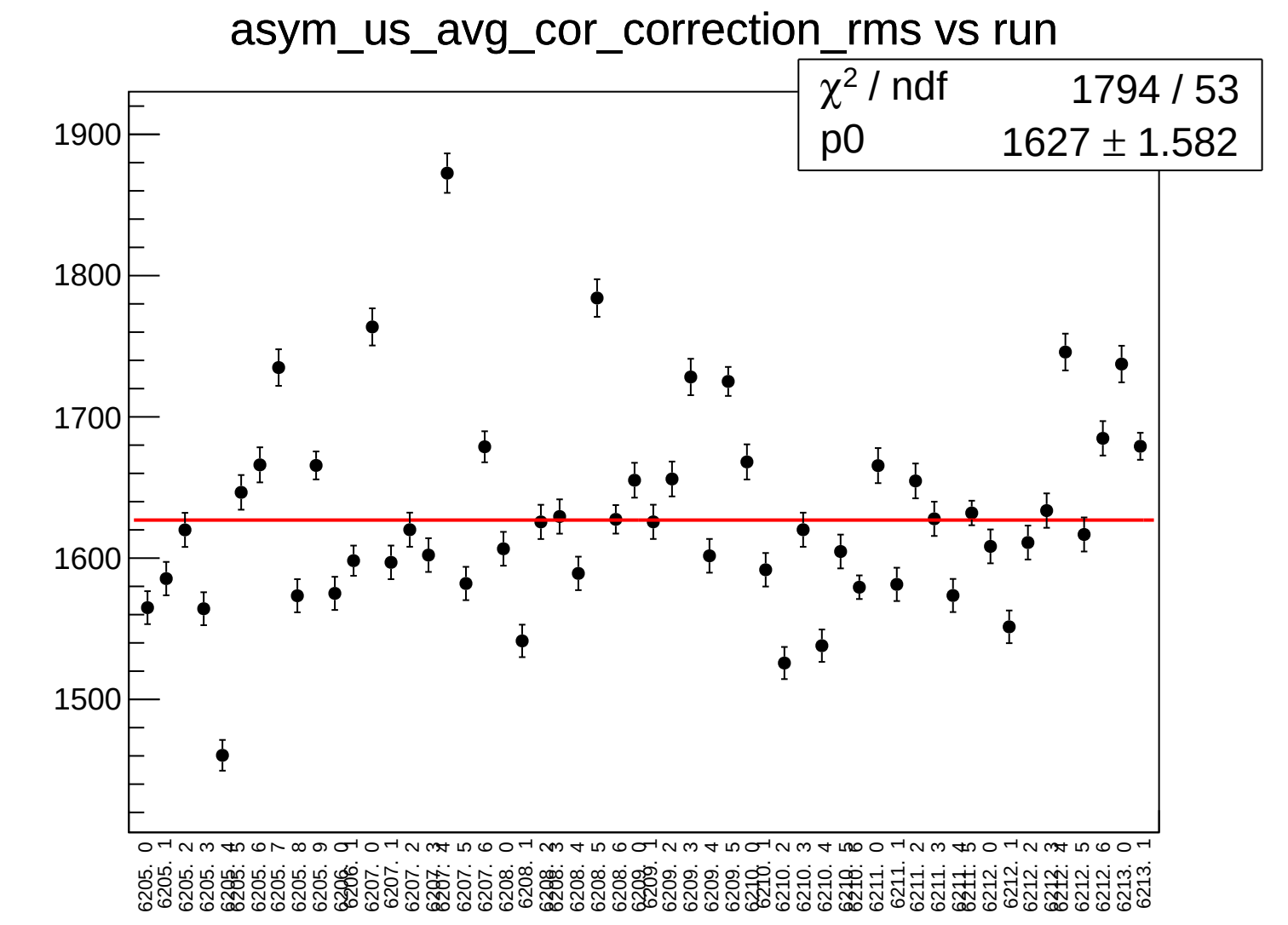
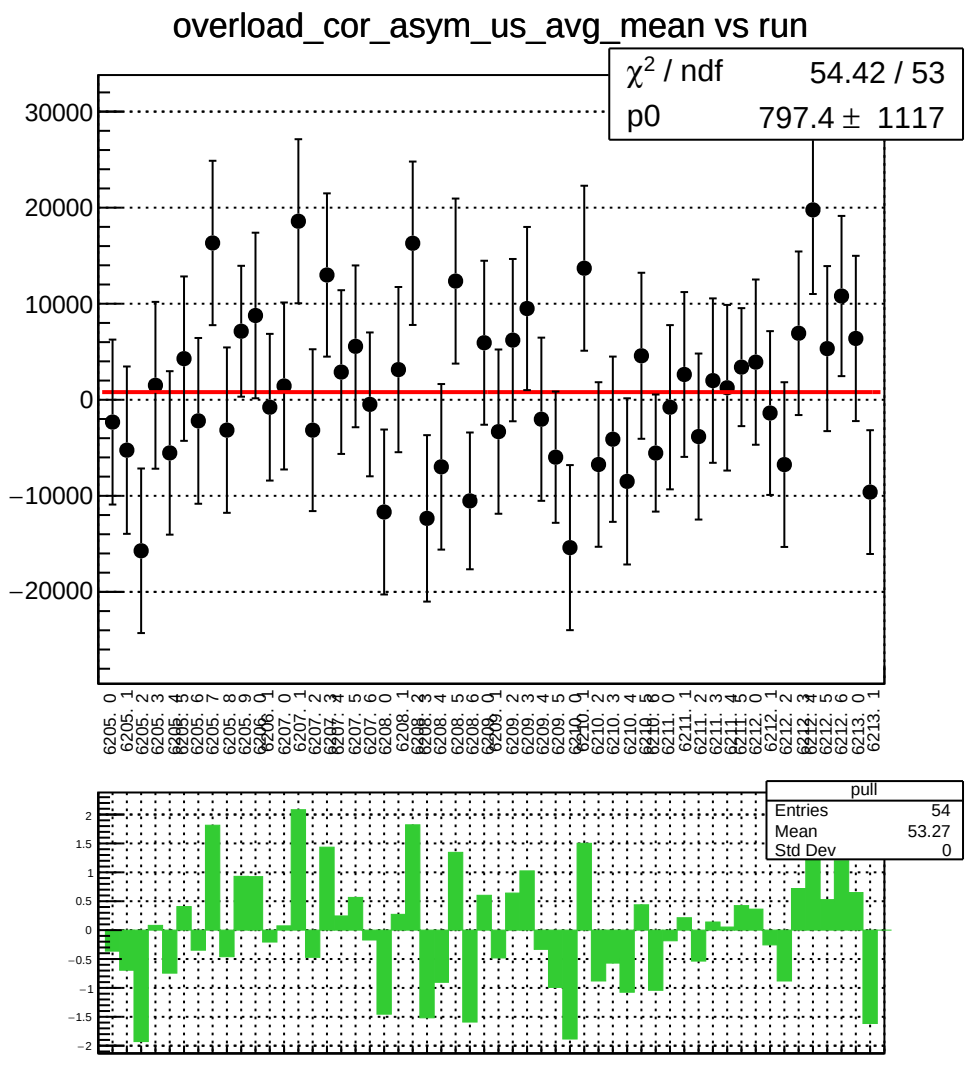
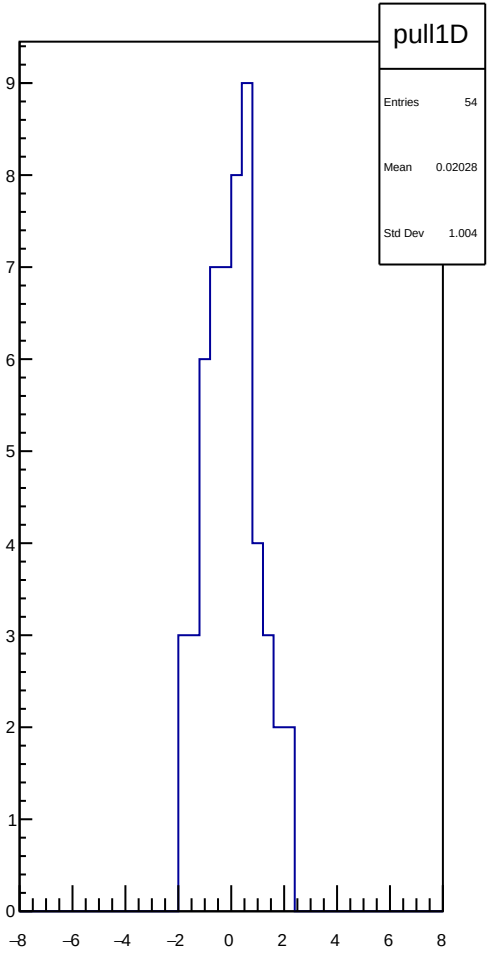
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

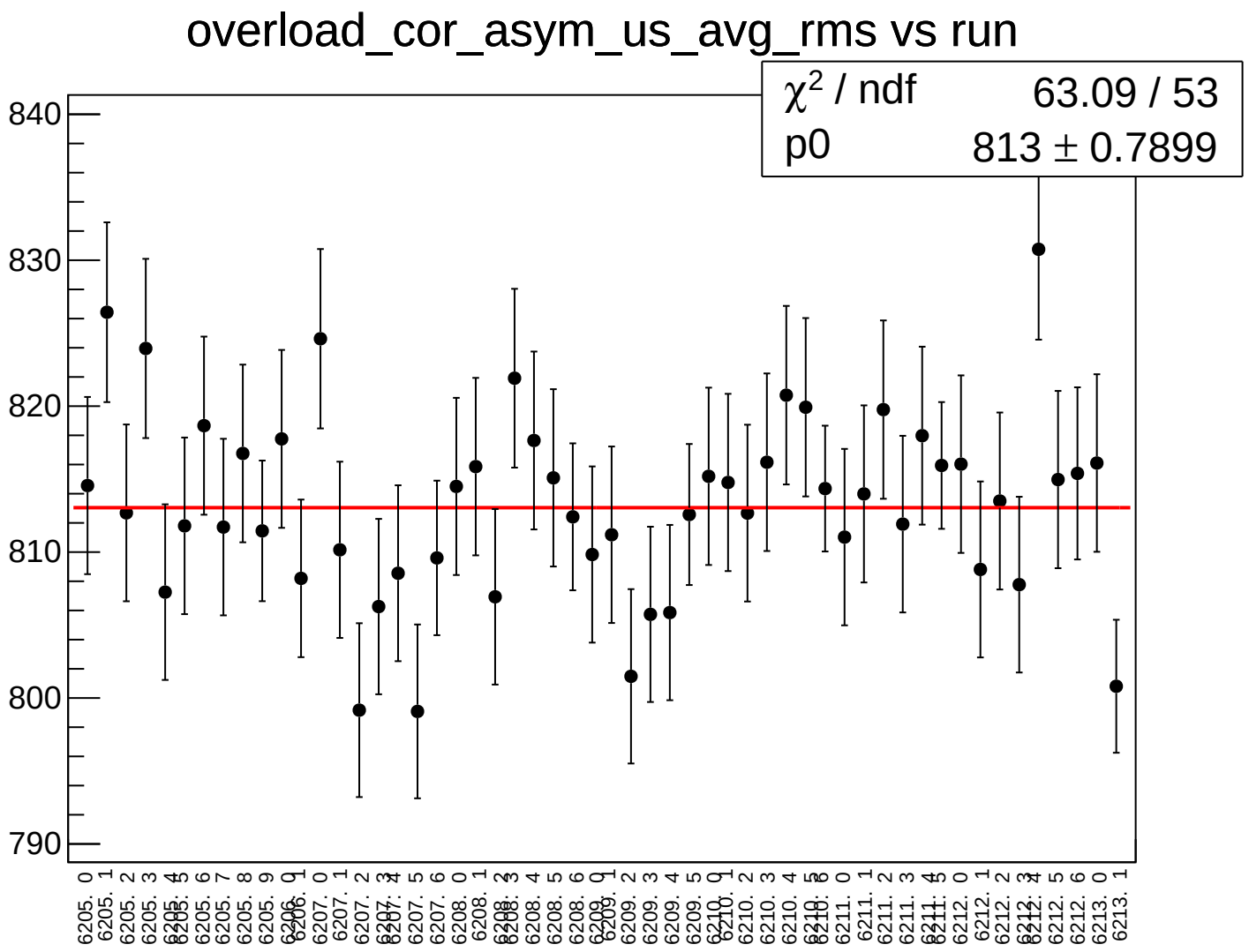

asym_us_avg_cor_correction_mean vs run
χ² / ndf 42.52 / 53
p0 1354 ± 2237
pull
Entries 54
Mean −121.5
Std Dev 0


pull1D
Entries 54
Mean −0.005832
Std Dev 0.8873


asym_us_avg_cor_correction_rms vs run
χ² / ndf 1794 / 53
p0 1627 ± 1.582
1900
1800
1700
1600
1500


overload_cor_asym_us_avg_mean vs run
χ² / ndf 54.42 / 53
p0 797.4 ± 1117
30000
20000
10000
0
−10000
−20000
pull
Entries 54
Mean 53.27
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 54
Mean 0.02028
Std Dev 1.004
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


overload_cor_asym_us_avg_rms vs run
χ² / ndf 63.09 / 53
p0 813 ± 0.7899
840
830
820
810
800
790
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
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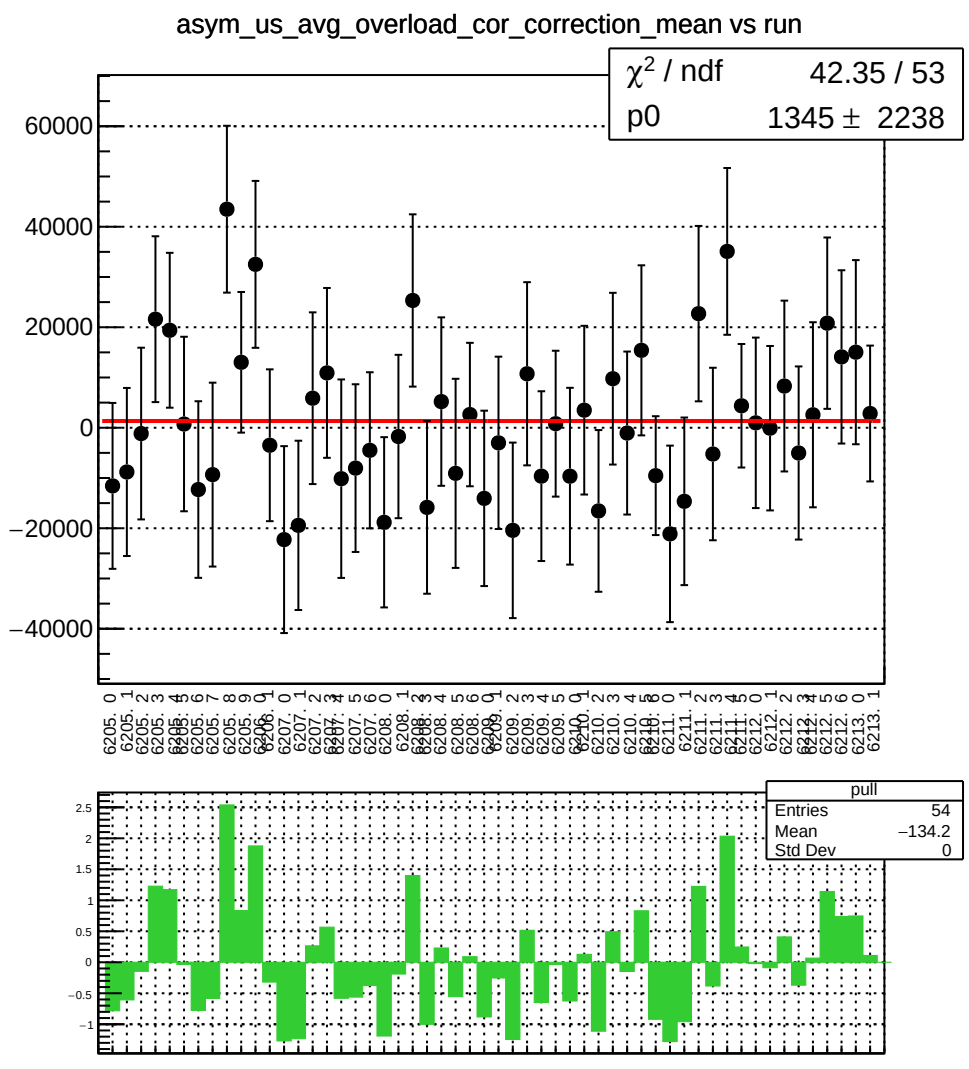
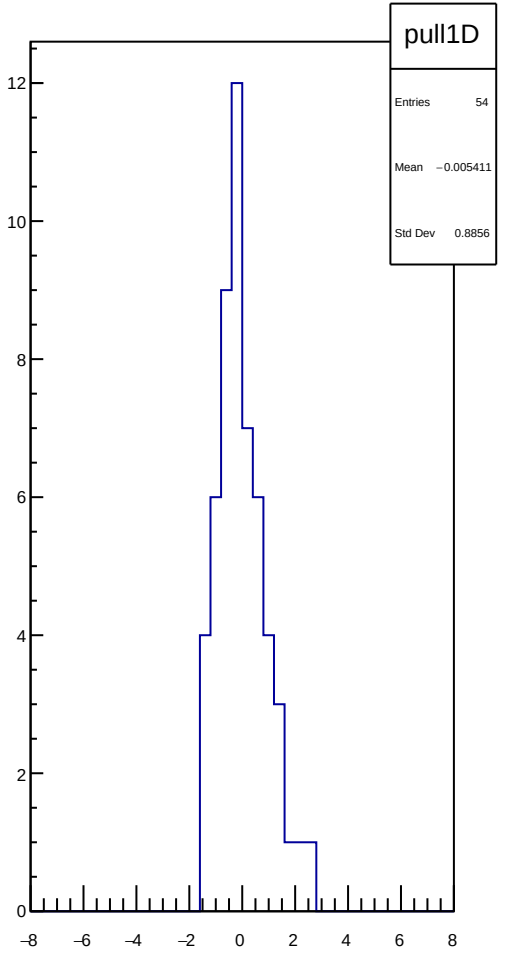
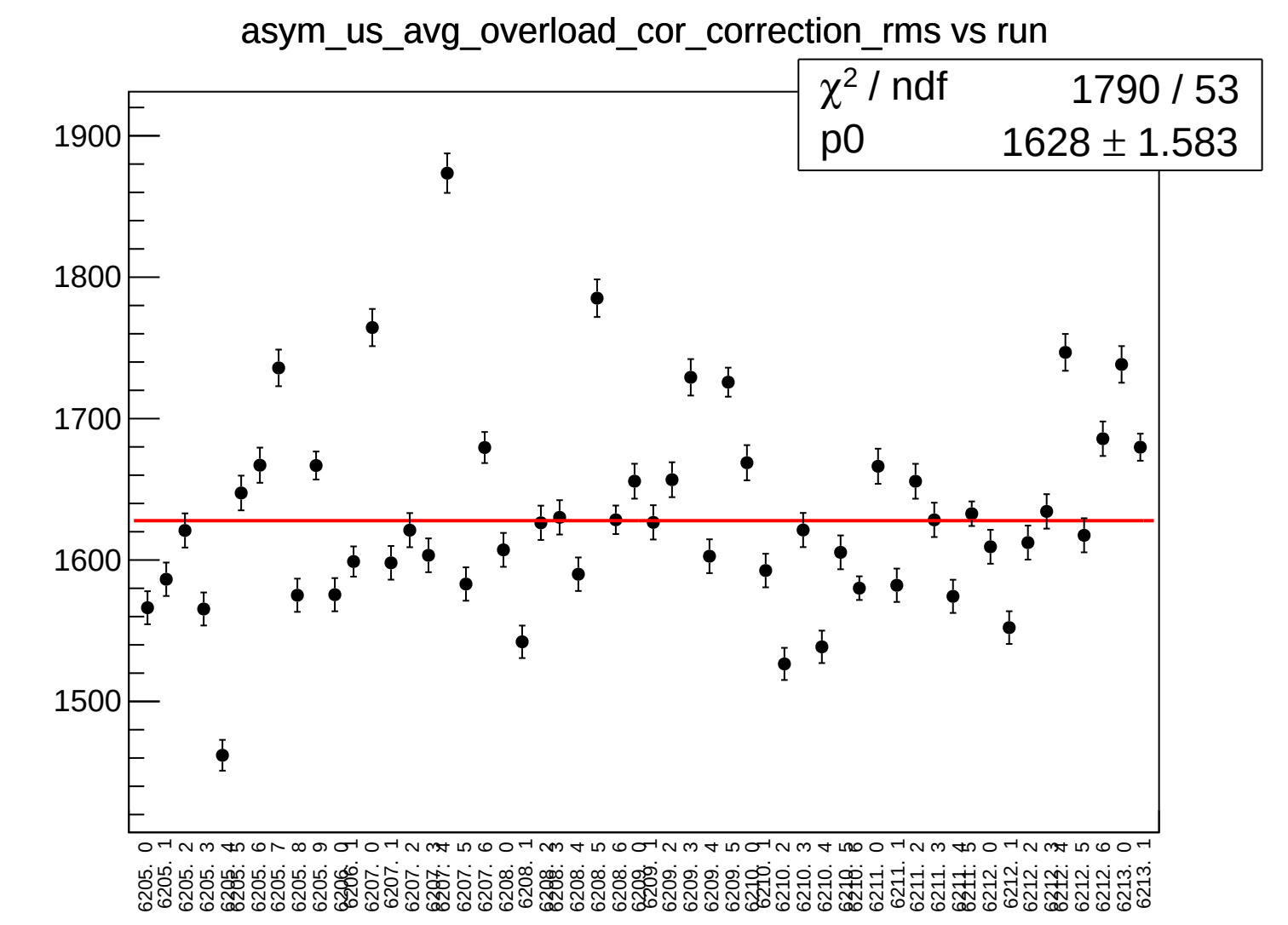
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_us_avg_overload_cor_correction_mean vs run
χ² / ndf 42.35 / 53
p0 1345 ± 2238
60000
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −134.2
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1


pull1D
Entries 54
Mean −0.005411
Std Dev 0.8856
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_avg_overload_cor_correction_rms vs run
χ² / ndf 1790 / 53
p0 1628 ± 1.583
1900
1800
1700
1600
1500
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
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6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
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6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
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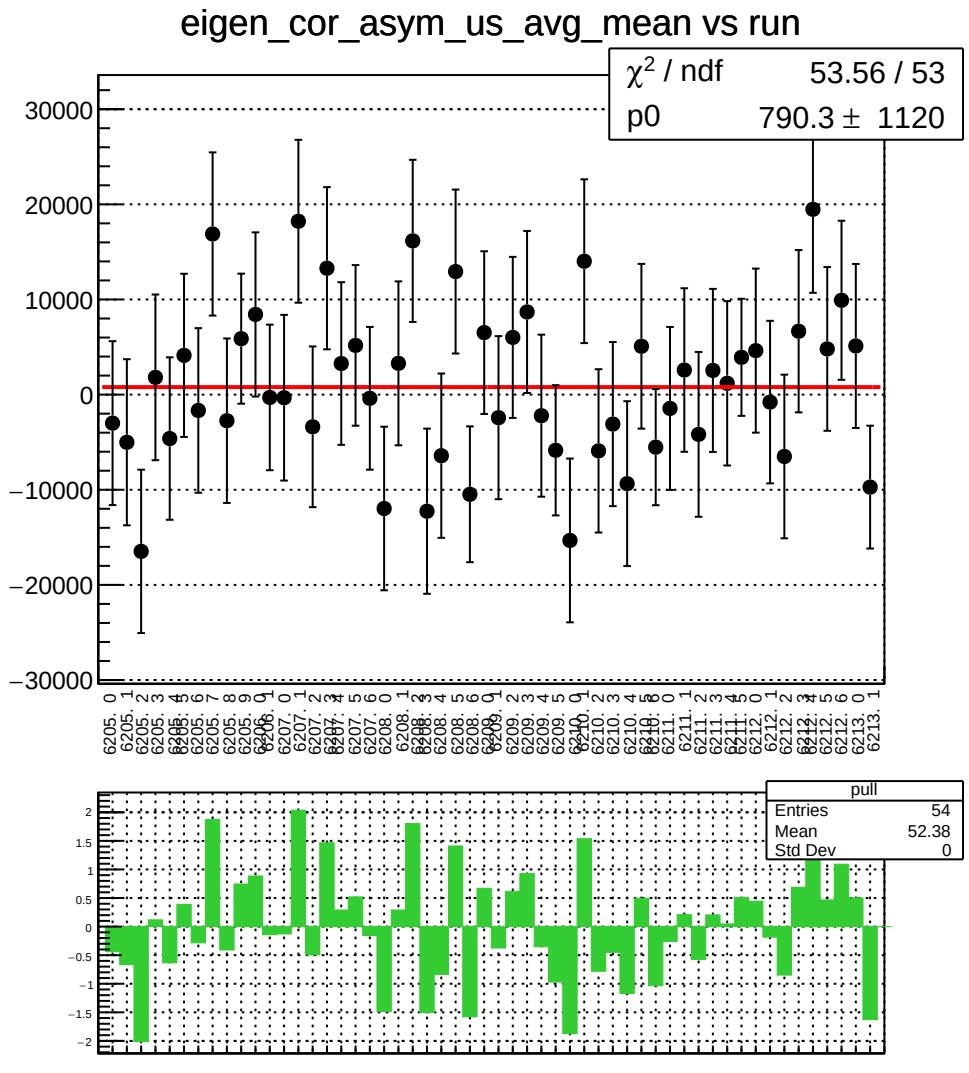
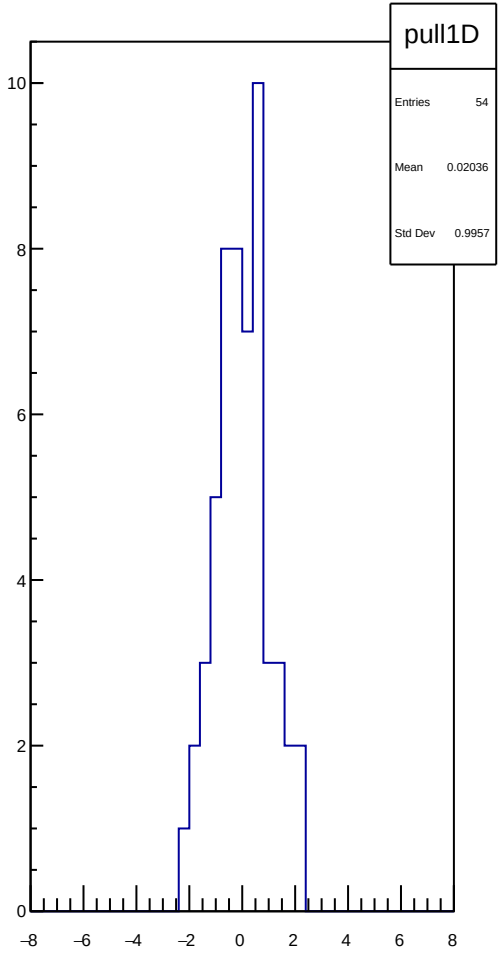
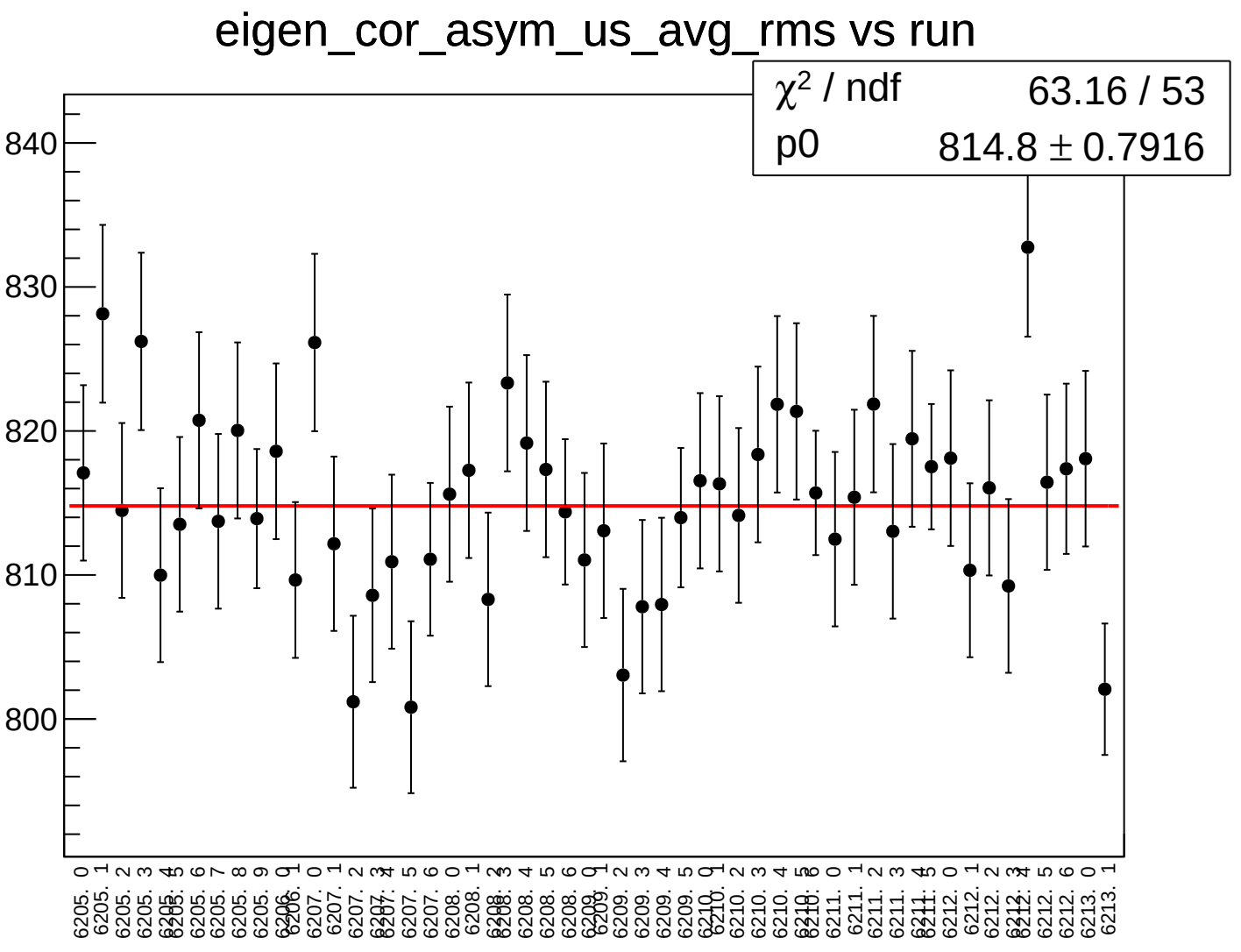
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


eigen_cor_asym_us_avg_mean vs run
χ² / ndf 53.56 / 53
p0 790.3 ± 1120
pull
Entries 54
Mean 52.38
Std Dev 0


pull1D
Entries 54
Mean 0.02036
Std Dev 0.9957


eigen_cor_asym_us_avg_rms vs run
χ² / ndf 63.16 / 53
p0 814.8 ± 0.7916
840
830
820
810
800
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
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6207. 2
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6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
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6209. 5
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6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
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6212. 2
6212. 3
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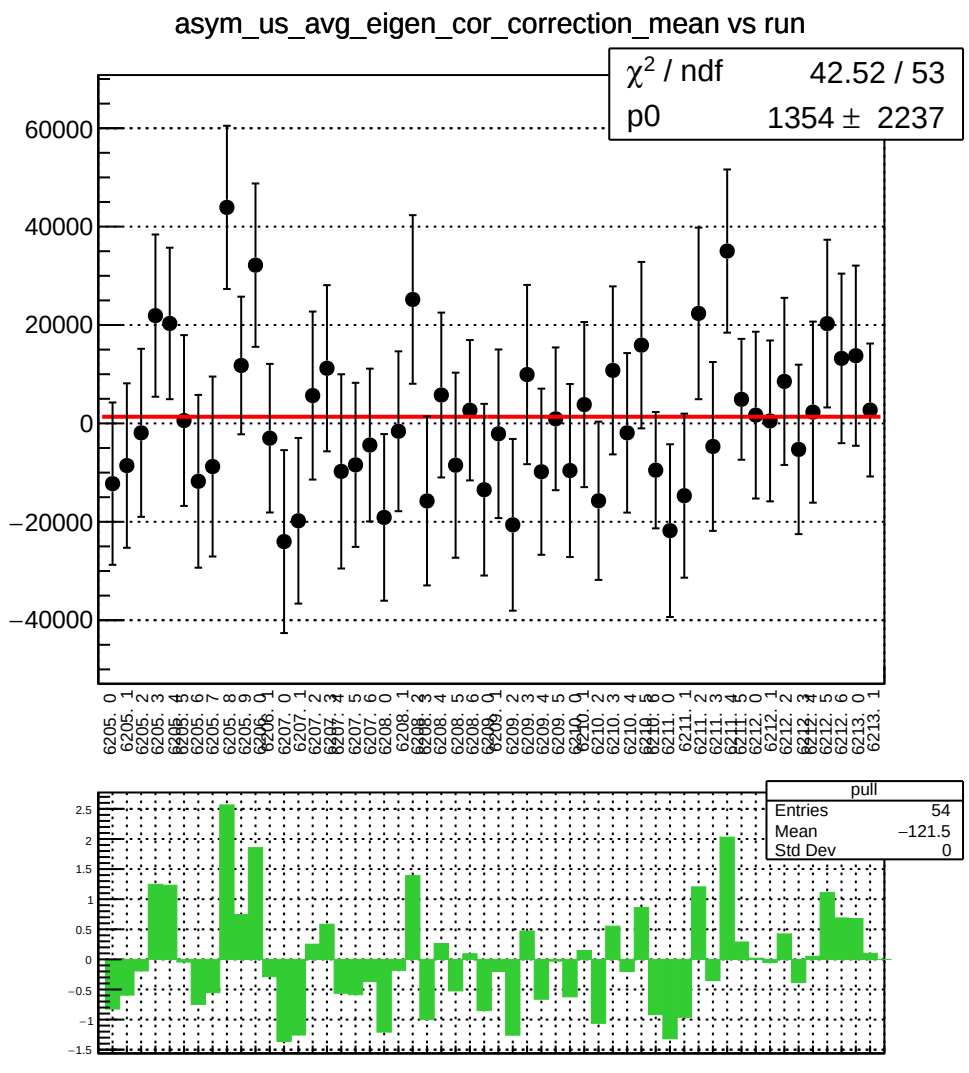
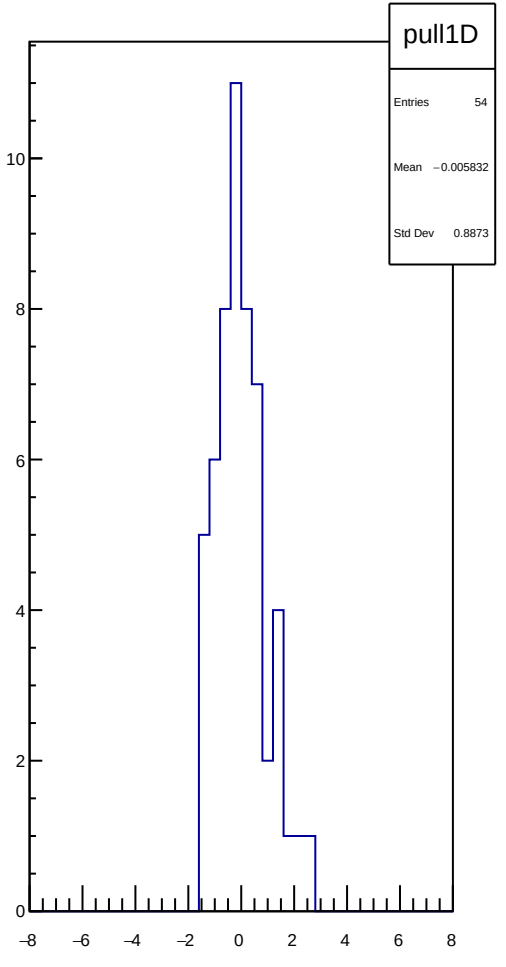
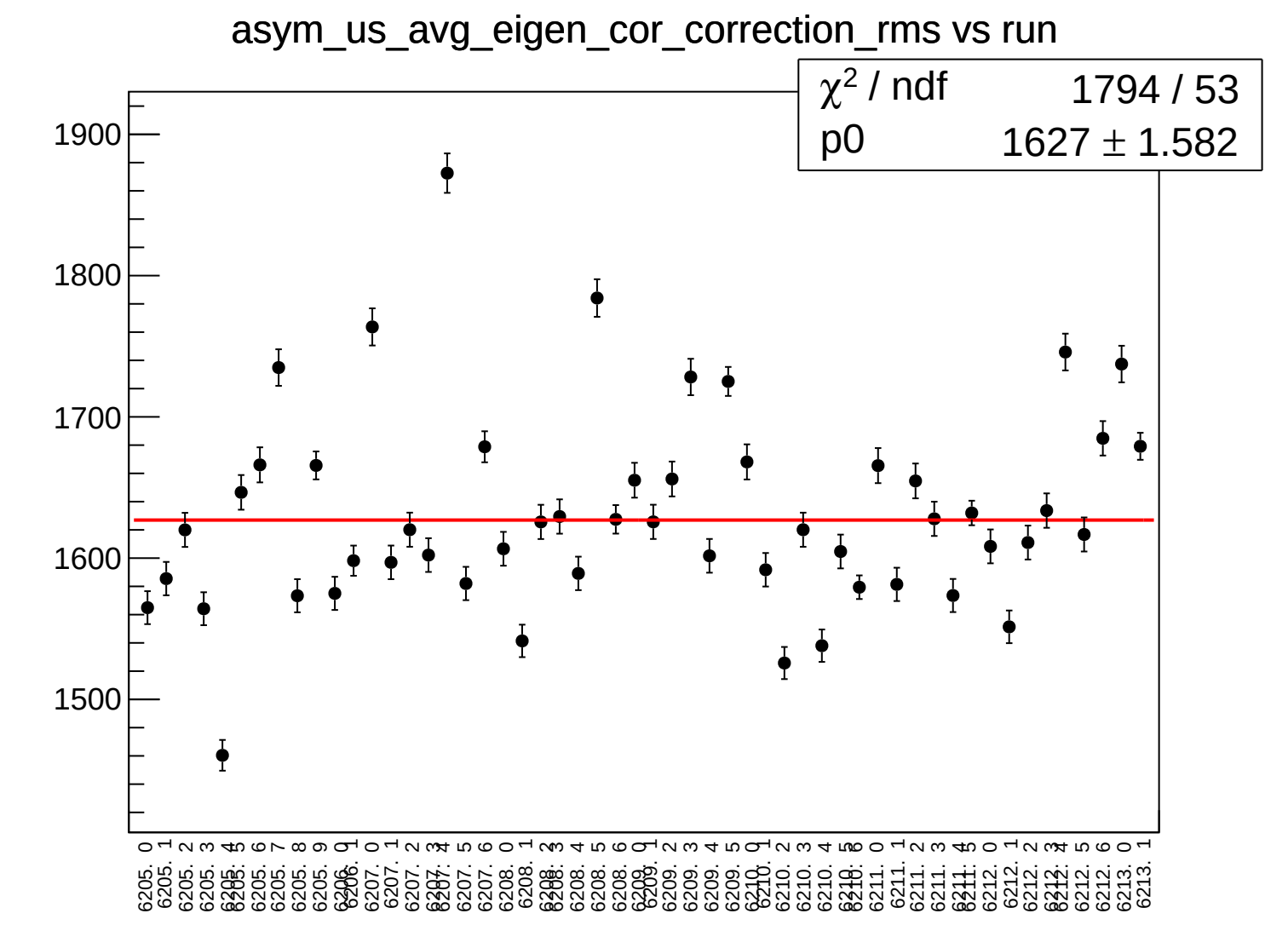
6212. 6
6213. 0
6213. 1


asym_us_avg_eigen_cor_correction_mean vs run
χ² / ndf 42.52 / 53
p0 1354 ± 2237
60000
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −121.5
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 54
Mean −0.005832
Std Dev 0.8873
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_avg_eigen_cor_correction_rms vs run
χ² / ndf 1794 / 53
p0 1627 ± 1.582
1900
1800
1700
1600
1500
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
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6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
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6210. 2
6210. 3
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6210. 6
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6211. 2
6211. 3
6211. 4
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6212. 2
6212. 3
6212. 4
6212. 5
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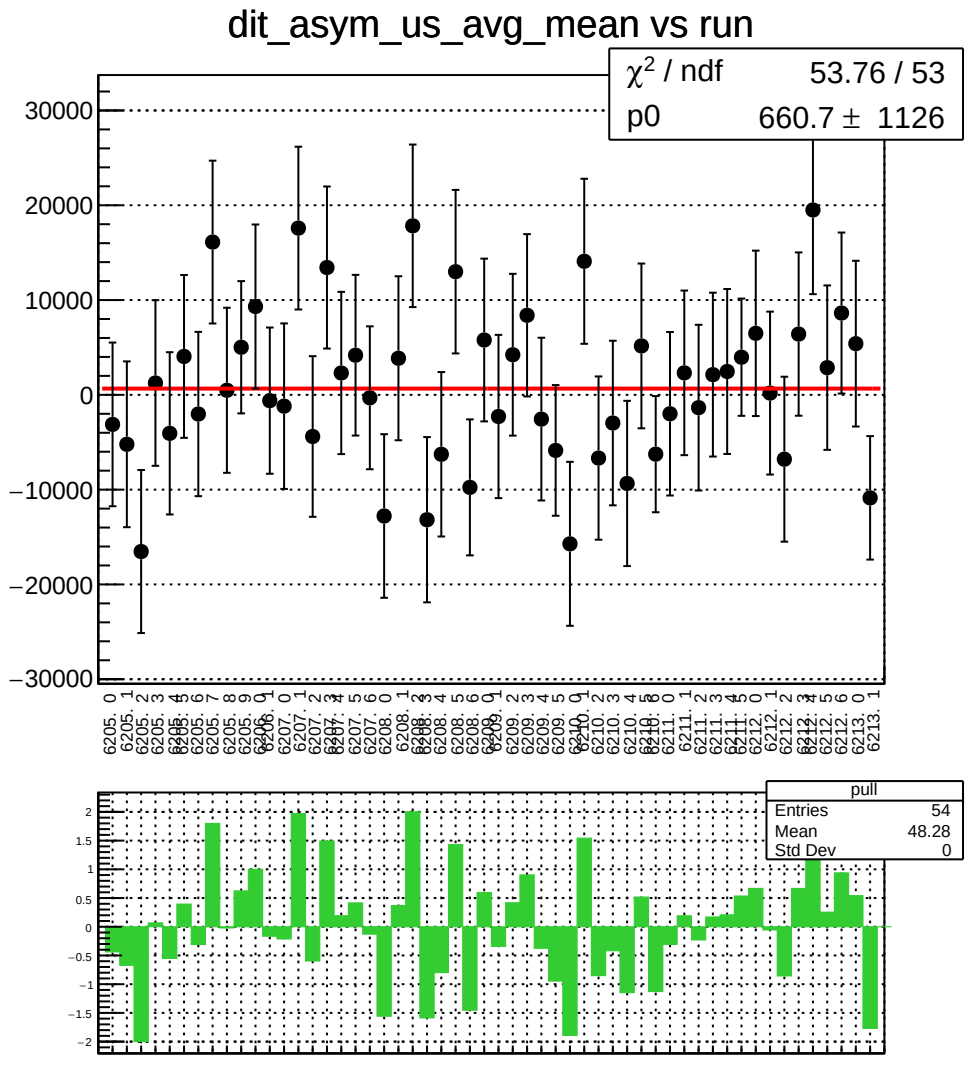
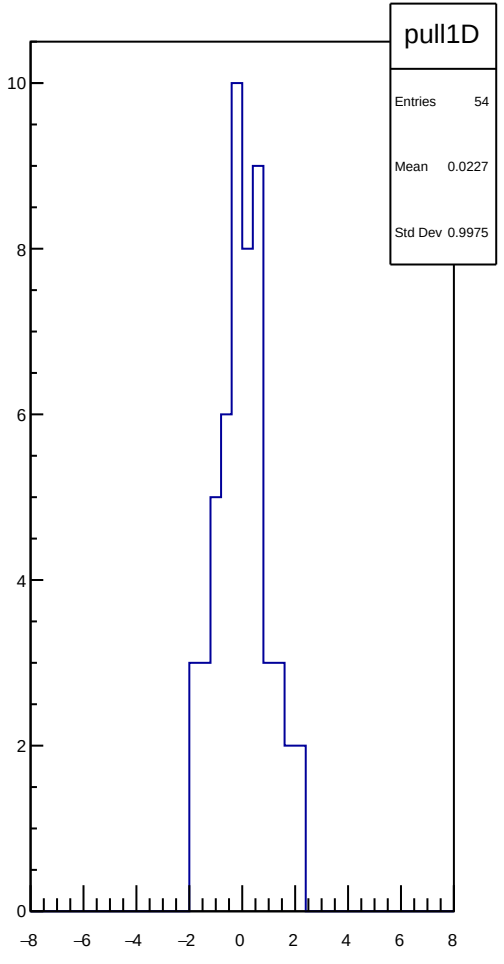
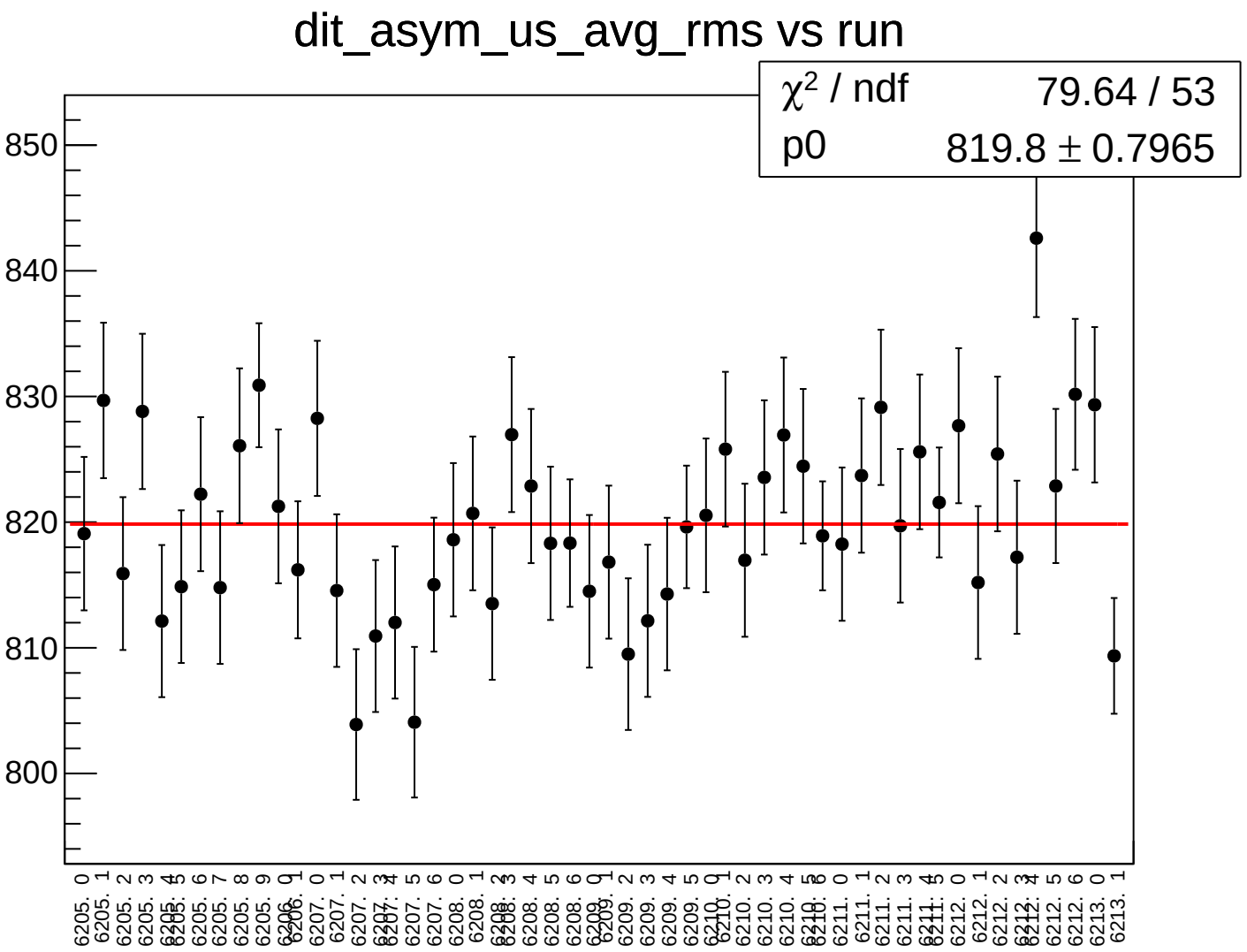
6213. 0
6213. 1


dit_asym_us_avg_mean vs run
χ² / ndf 53.76 / 53
p0 660.7 ± 1126
pull
Entries 54
Mean 48.28
Std Dev 0


pull1D
Entries 54
Mean 0.0227
Std Dev 0.9975


dit_asym_us_avg_rms vs run
χ² / ndf 79.64 / 53
p0 819.8 ± 0.7965
850
840
830
820
810
800
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
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6209. 5
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6211. 4
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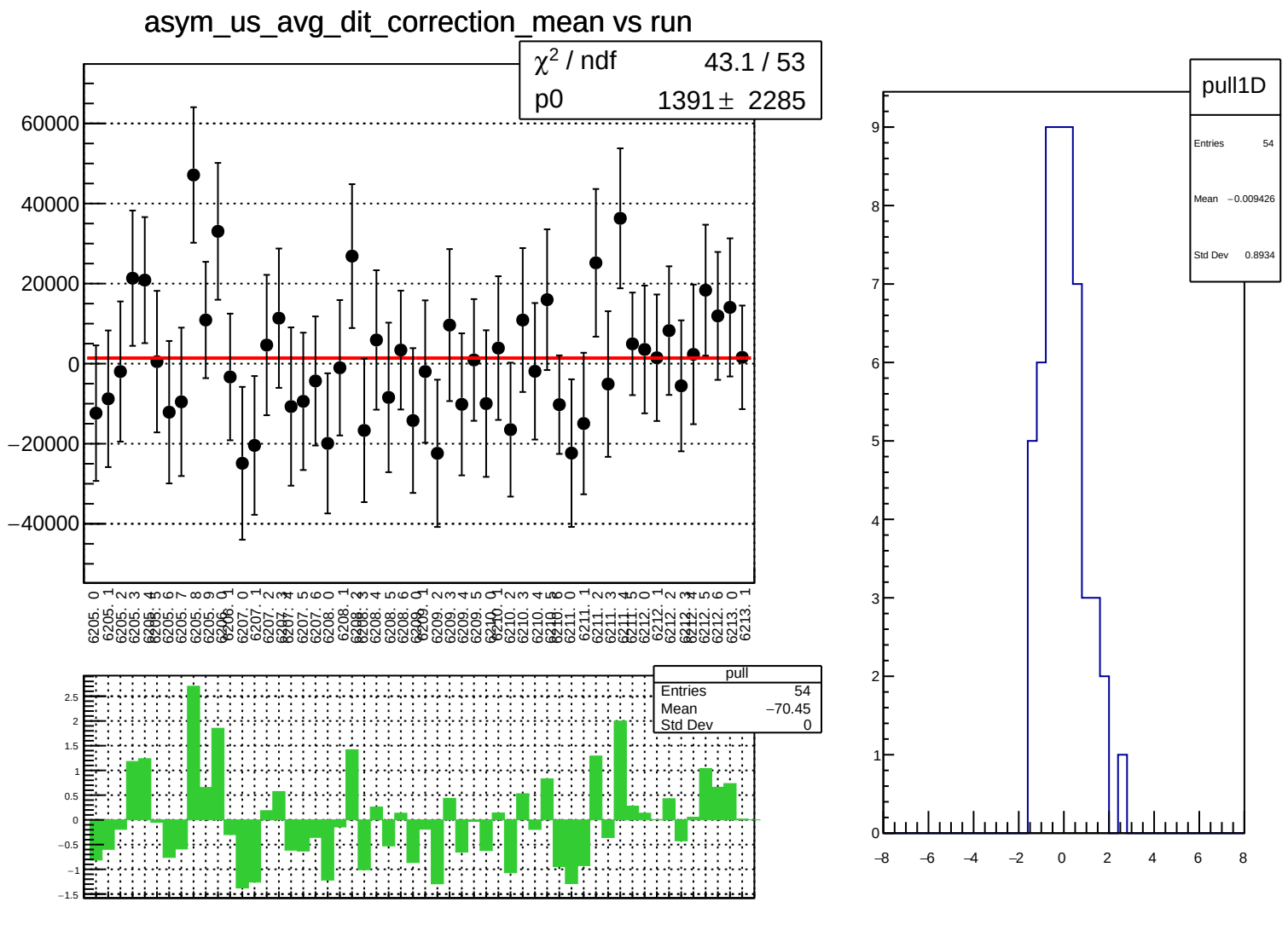
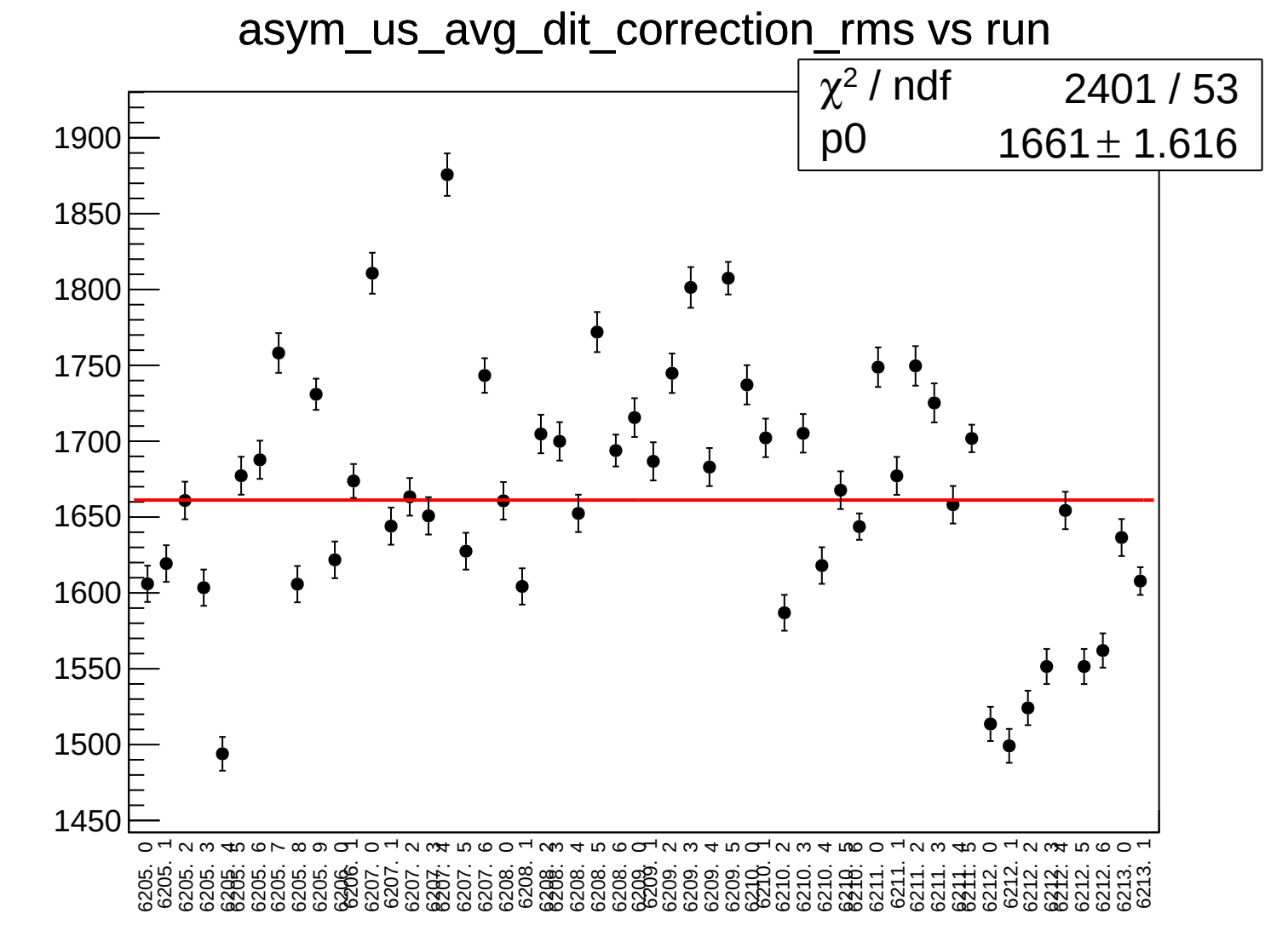
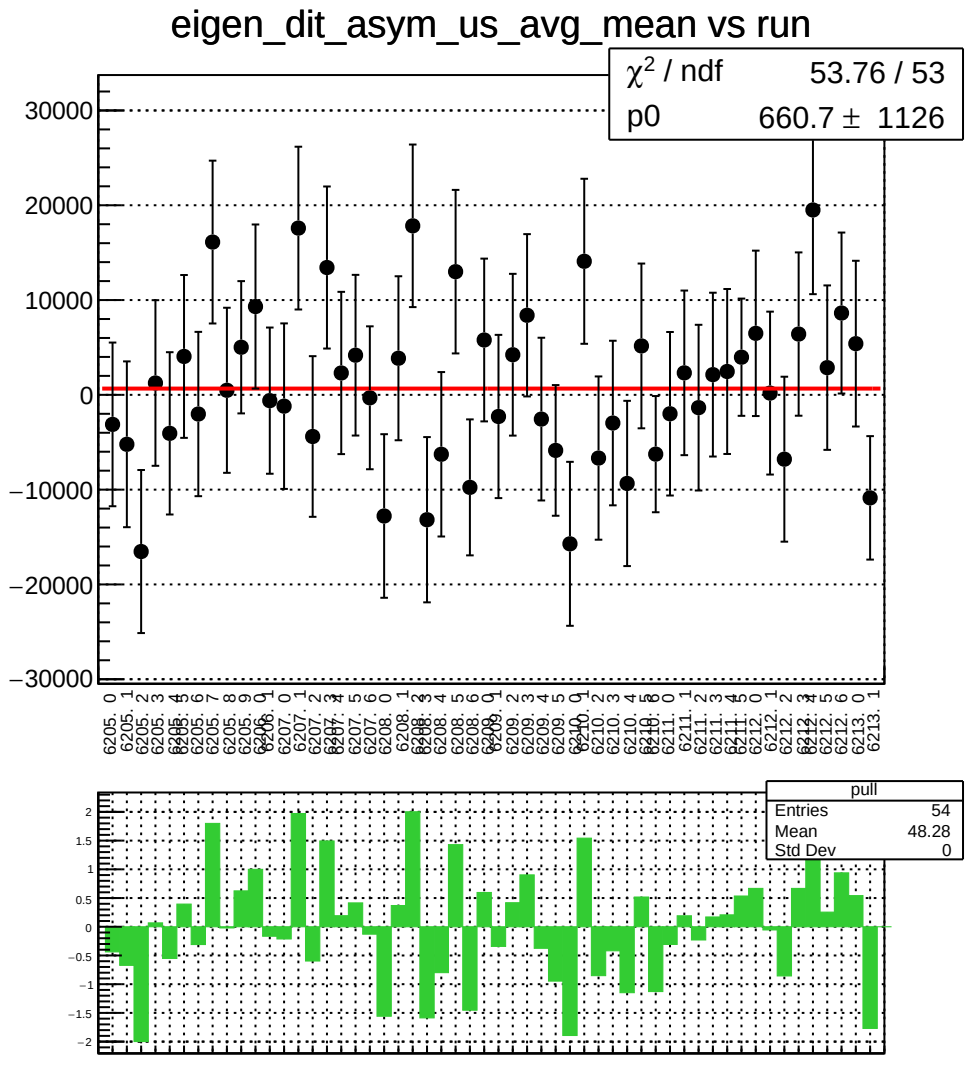
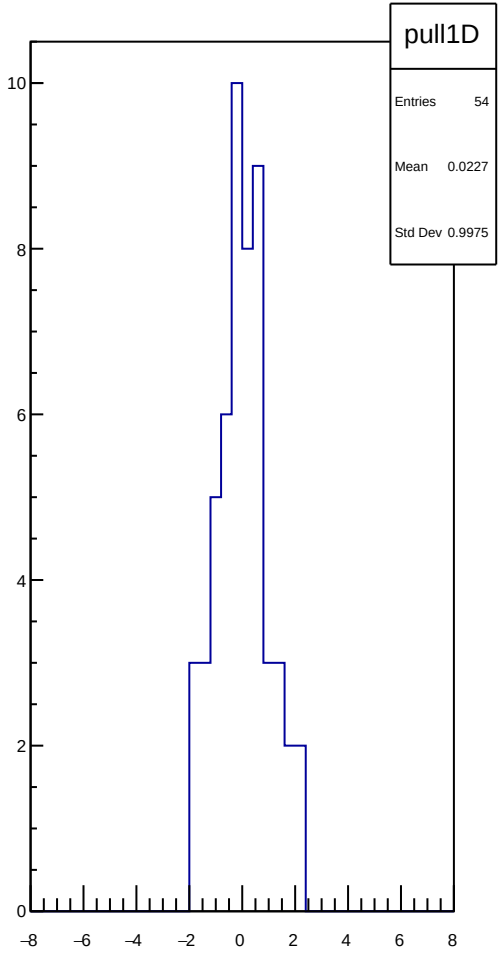
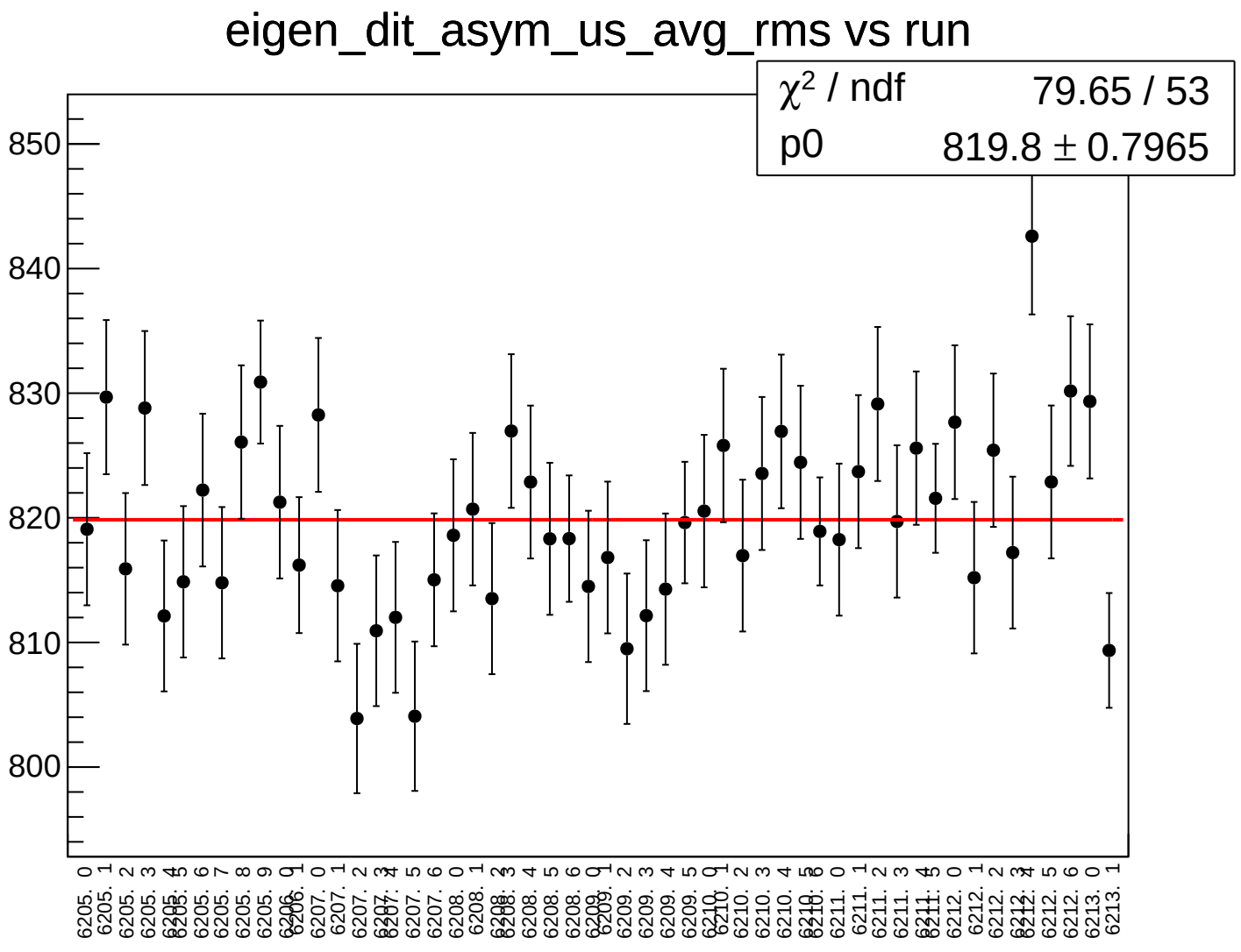
6213. 1

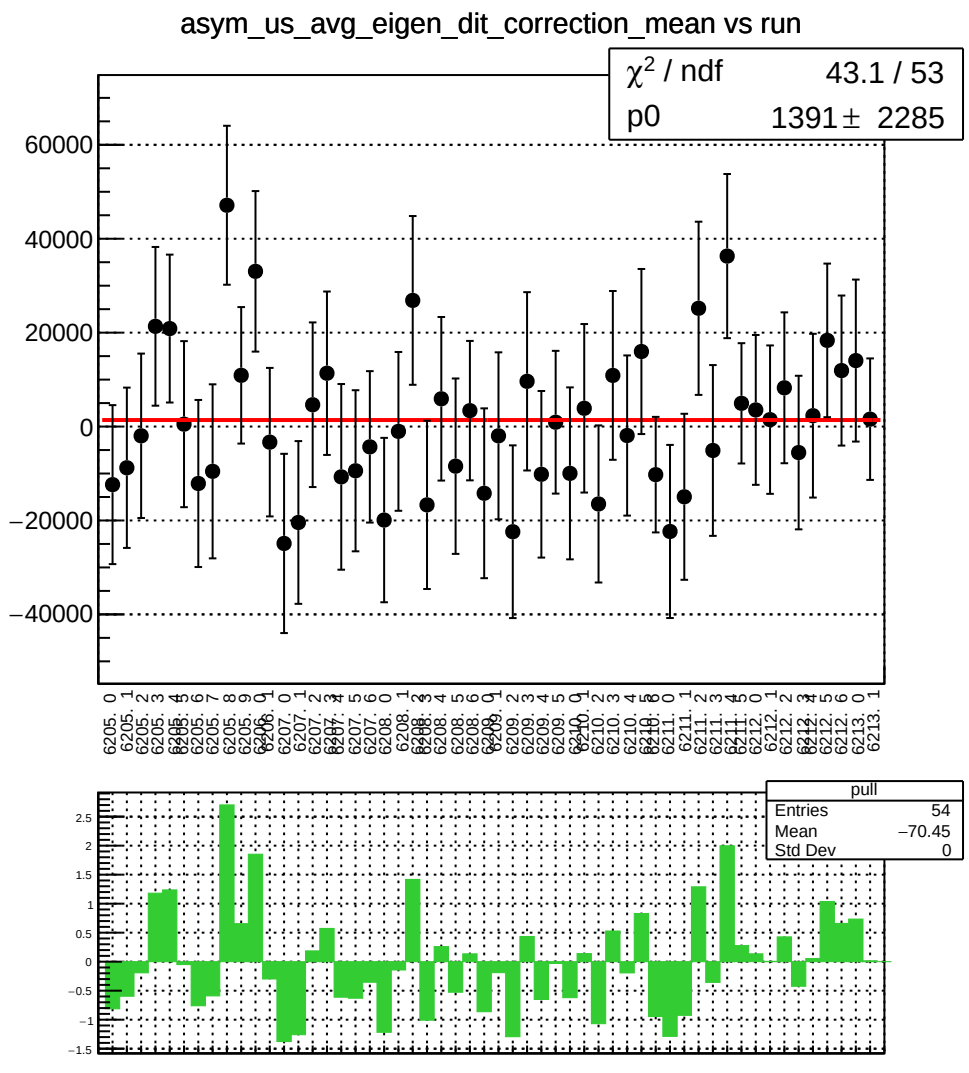

asym_us_avg_dit_correction_mean vs run
χ² / ndf 43.1 / 53
p0 1391 ± 2285
60000
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −70.45
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 54
Mean −0.009426
Std Dev 0.8934
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

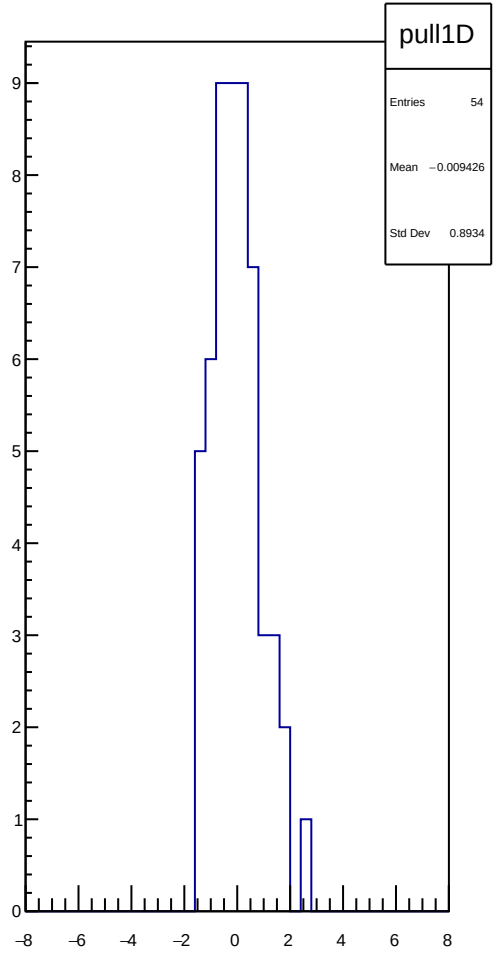

asym_us_avg_dit_correction_rms vs run
χ² / ndf 2401 / 53
p0 1661 ± 1.616
1900
1850
1800
1750
1700
1650
1600
1550
1500
1450
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

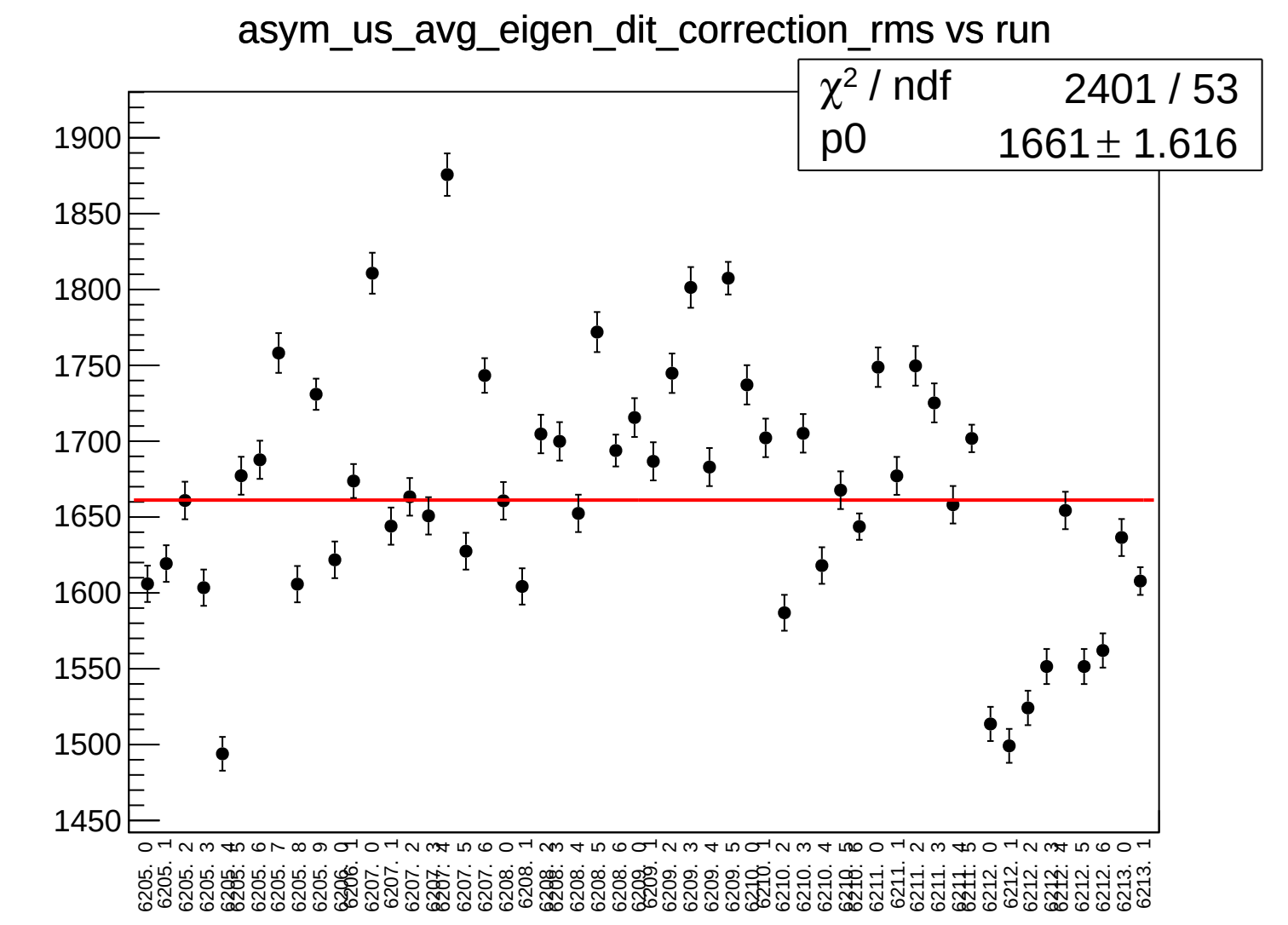

eigen_dit_asym_us_avg_mean vs run
χ² / ndf 53.76 / 53
p0 660.7 ± 1126
pull
Entries 54
Mean 48.28
Std Dev 0

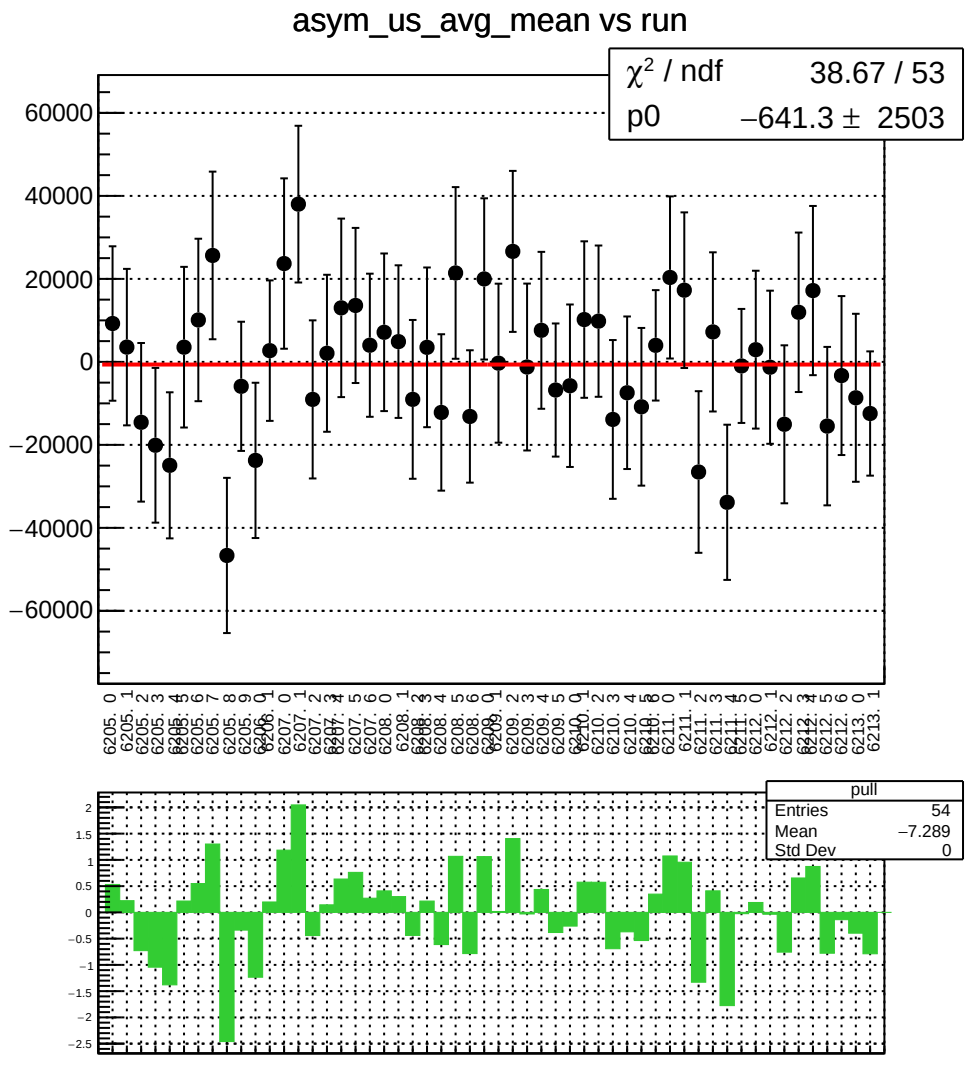

pull1D
Entries 54
Mean 0.0227
Std Dev 0.9975

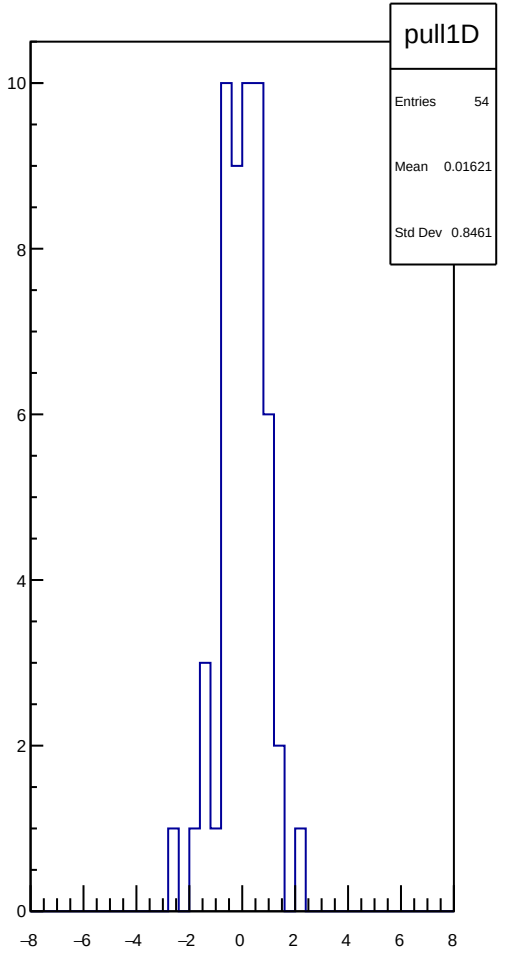

eigen_dit_asym_us_avg_rms vs run
χ² / ndf 79.65 / 53
p0 819.8 ± 0.7965
850
840
830
820
810
800
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

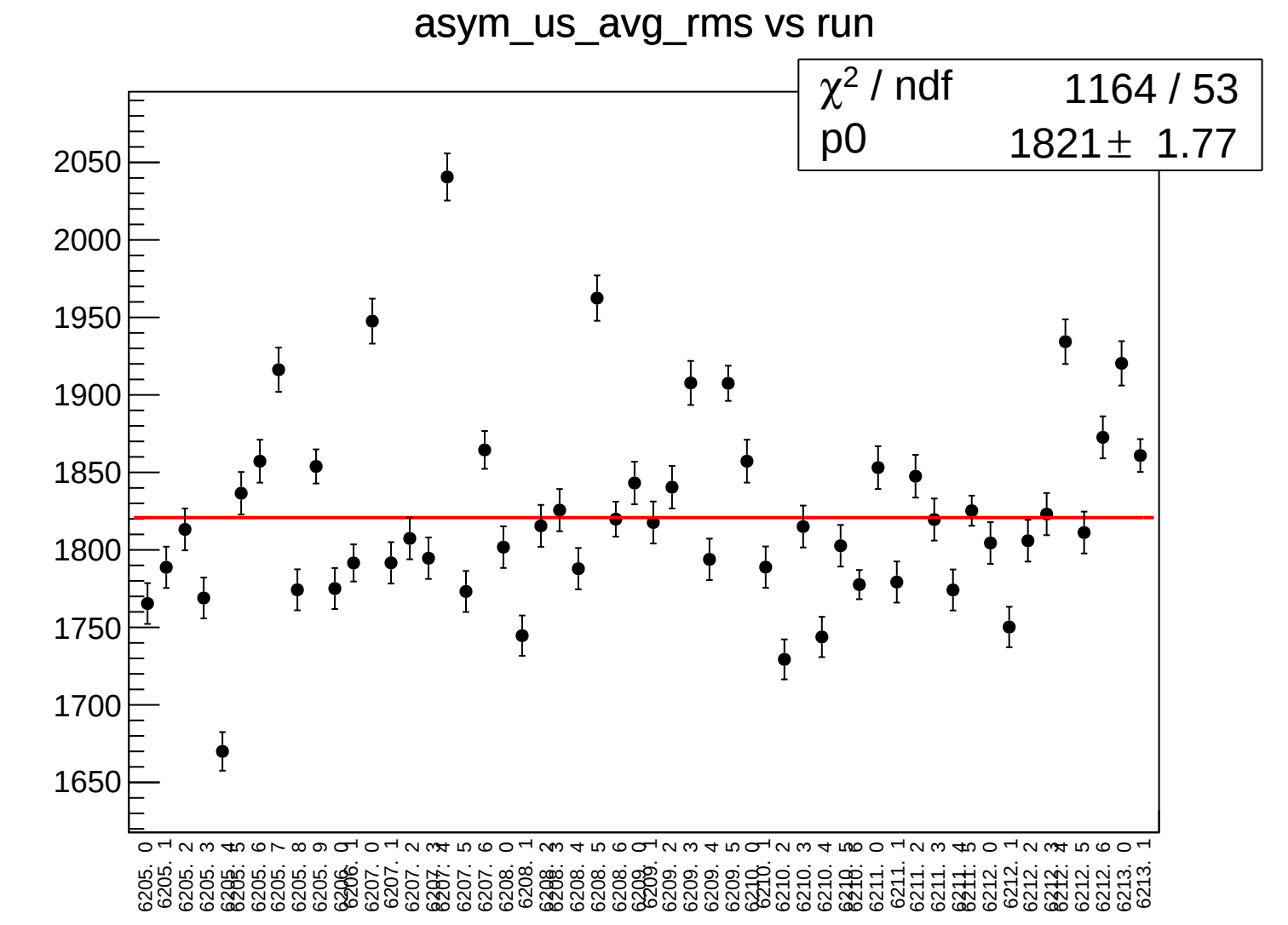

asym_us_avg_eigen_dit_correction_mean vs run
χ² / ndf 43.1 / 53
p0 1391 ± 2285
60000
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −70.45
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

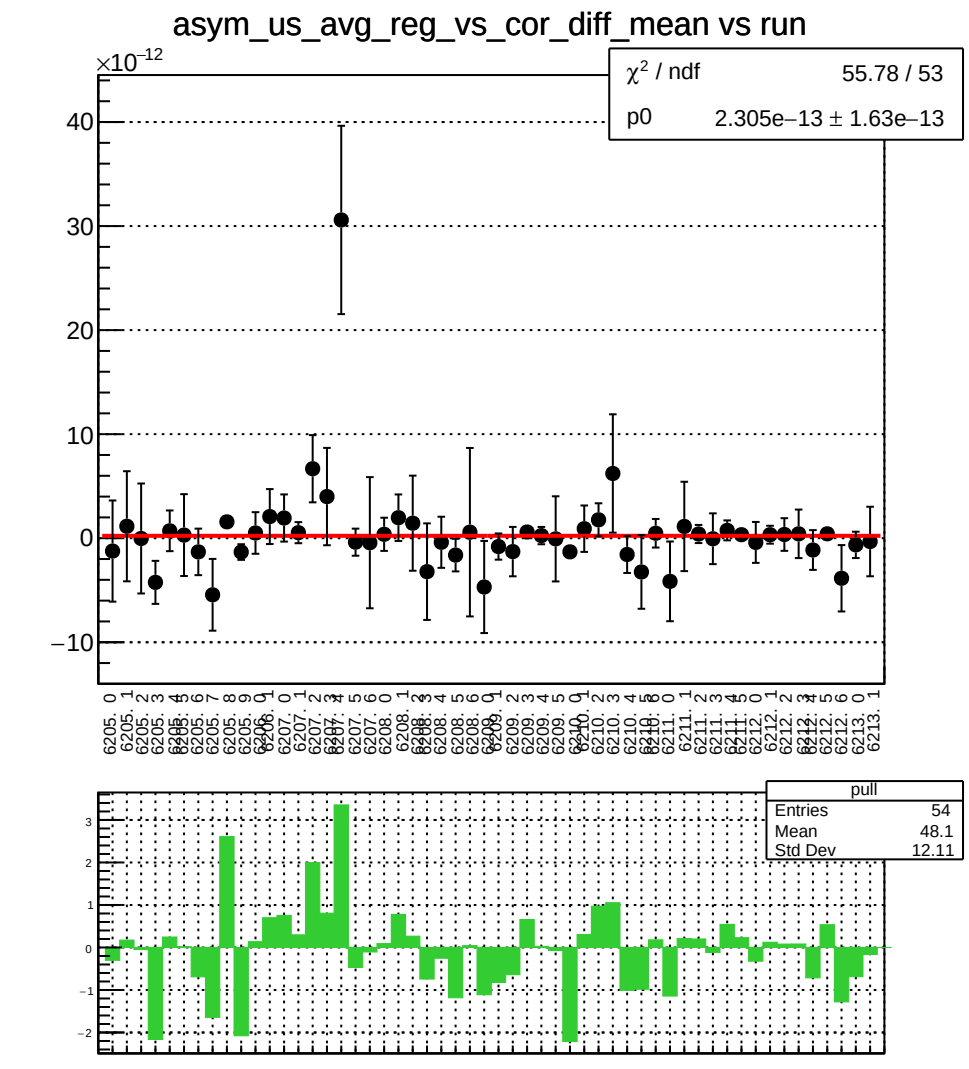

pull1D
Entries 54
Mean −0.009426
Std Dev 0.8934
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

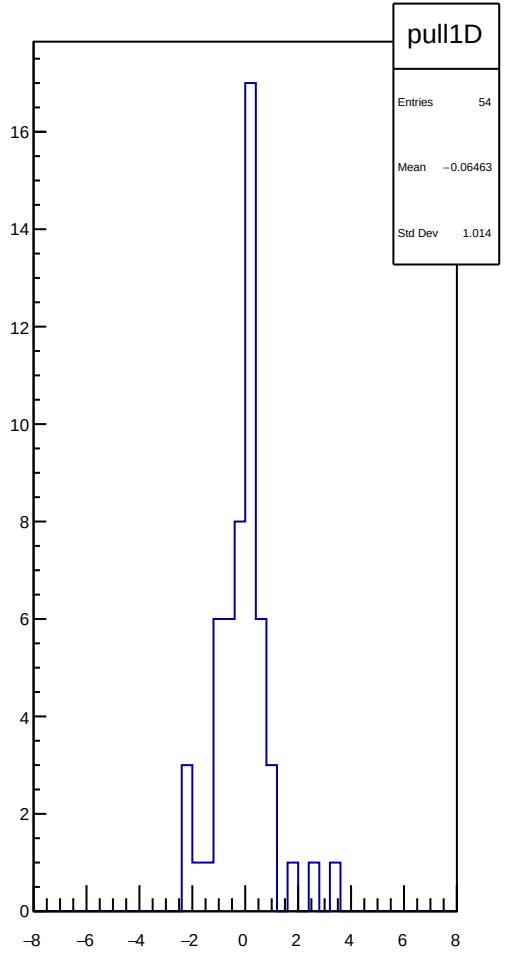

asym_us_avg_eigen_dit_correction_rms vs run
χ² / ndf 2401 / 53
p0 1661 ± 1.616
1900
1850
1800
1750
1700
1650
1600
1550
1500
1450
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

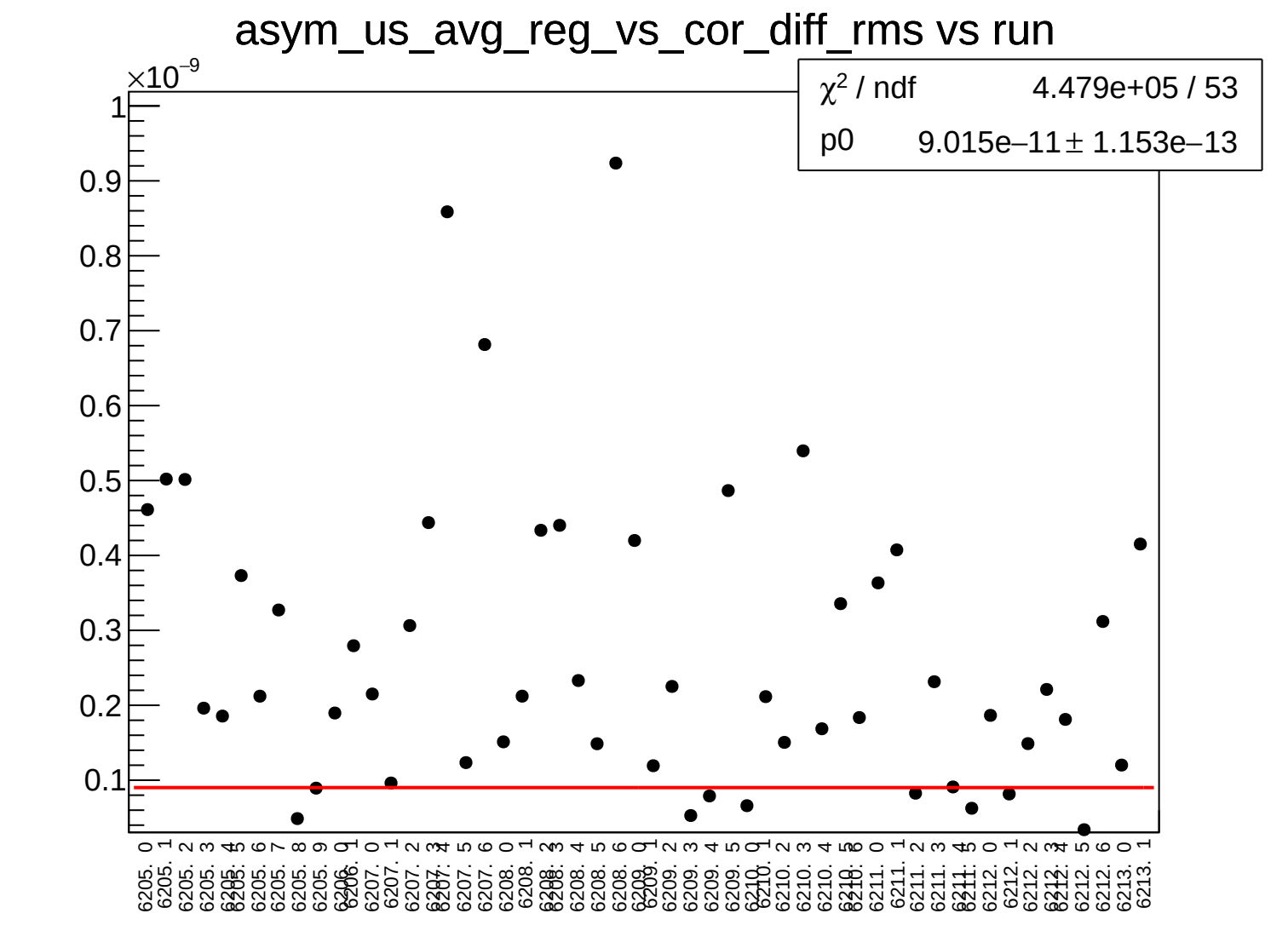

asym_us_avg_mean vs run
χ² / ndf 38.67 / 53
p0 −641.3 ± 2503
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean −7.289
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

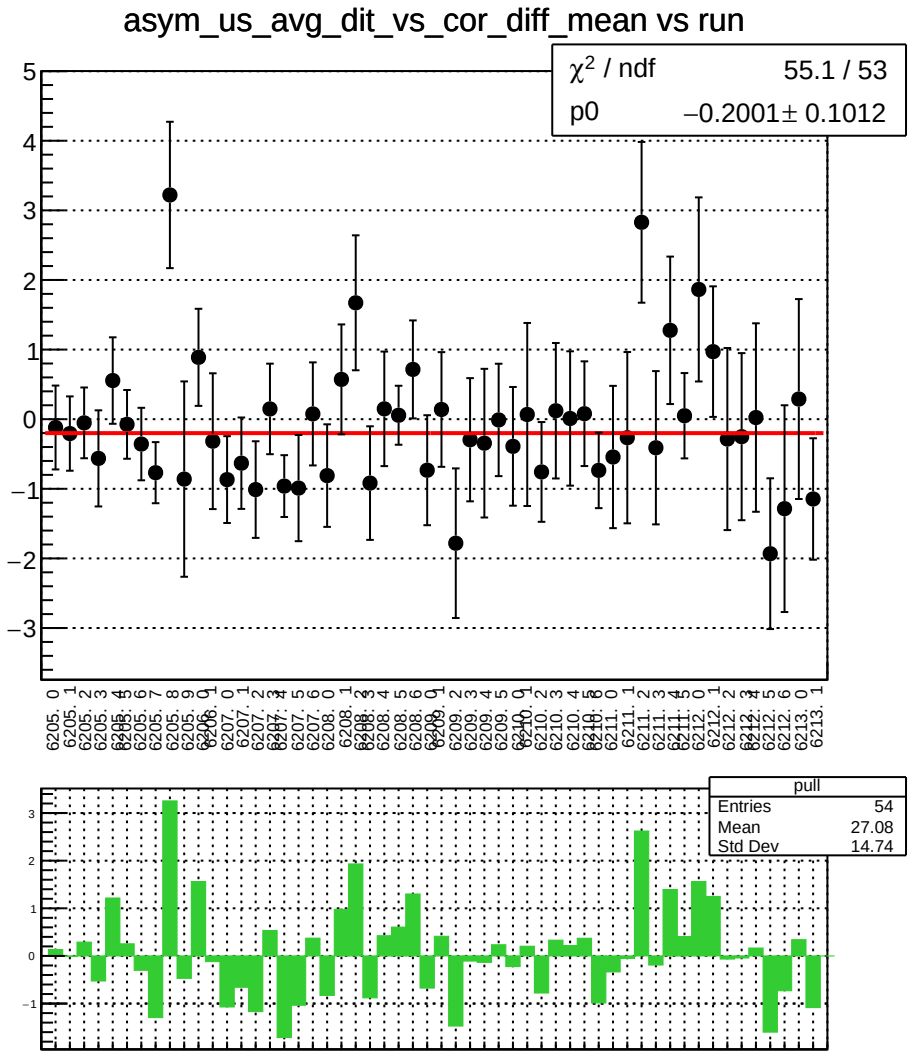

pull1D
Entries 54
Mean 0.01621
Std Dev 0.8461
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

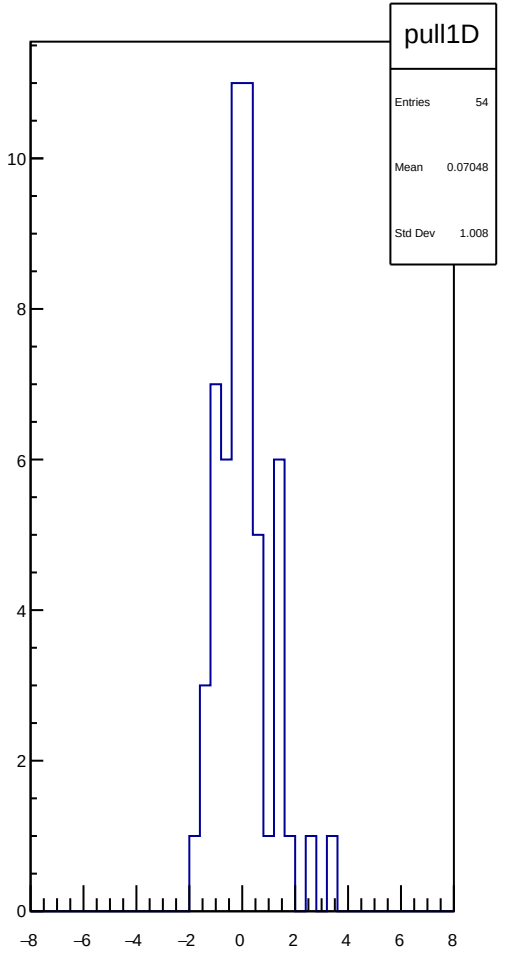

asym_us_avg_rms vs run
χ² / ndf 1164 / 53
p0 1821 ± 1.77
2050
2000
1950
1900
1850
1800
1750
1700
1650
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

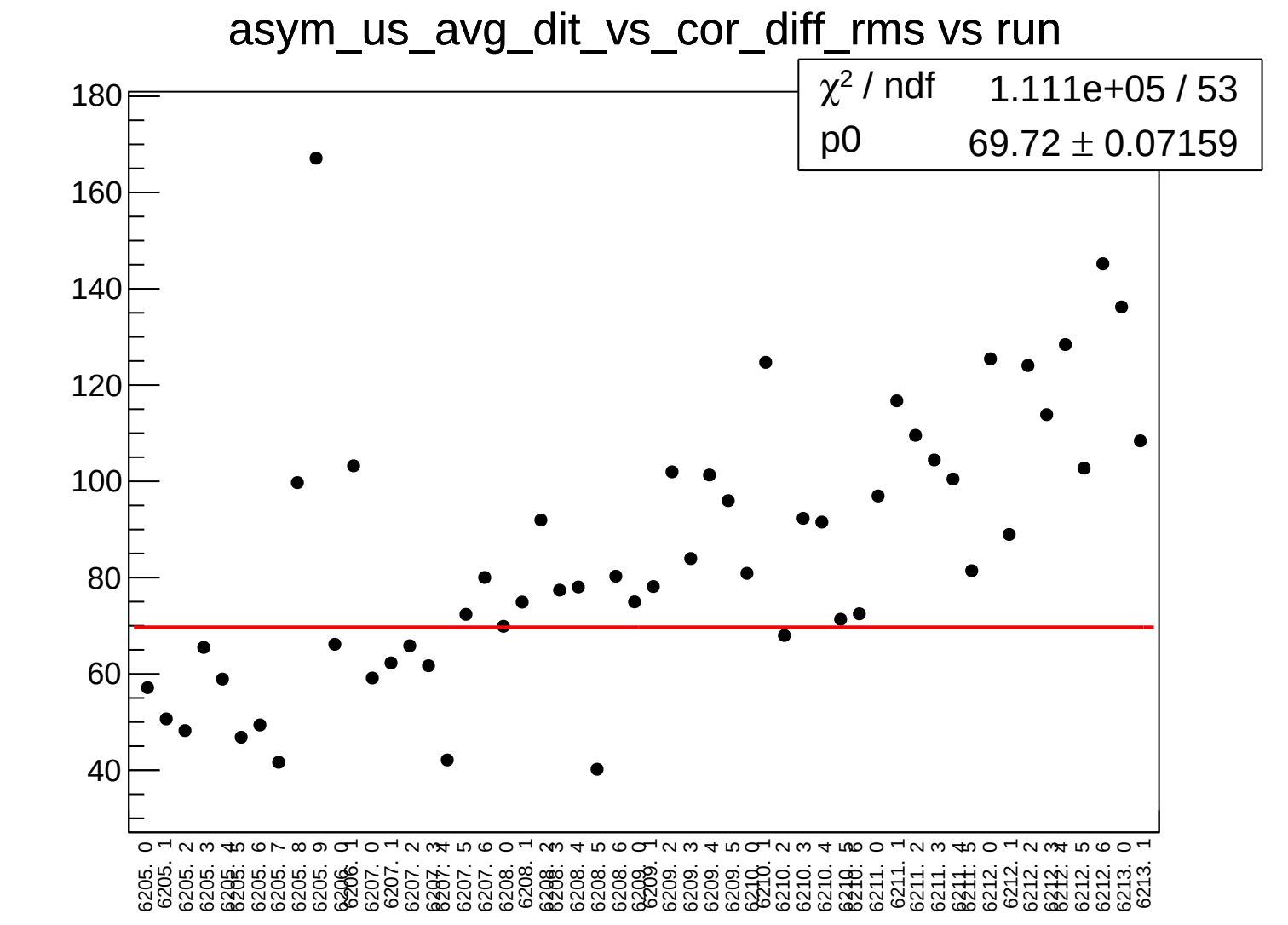

asym_us_avg_reg_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 55.78 / 53
p0 2.305e−13 ± 1.63e−13
40
30
20
10
0
−10
pull
Entries 54
Mean 48.1
Std Dev 12.11
3
2
1
0
−1
−2

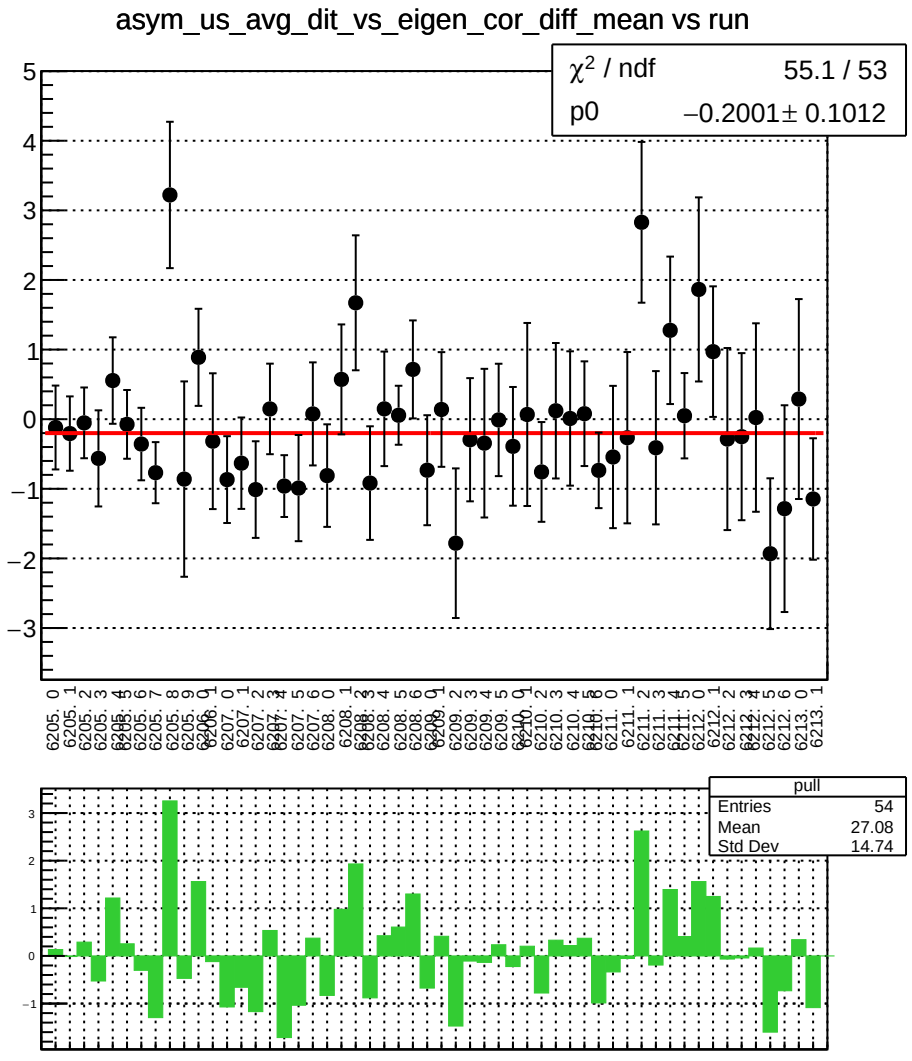

pull1D
Entries 54
Mean −0.06463
Std Dev 1.014
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

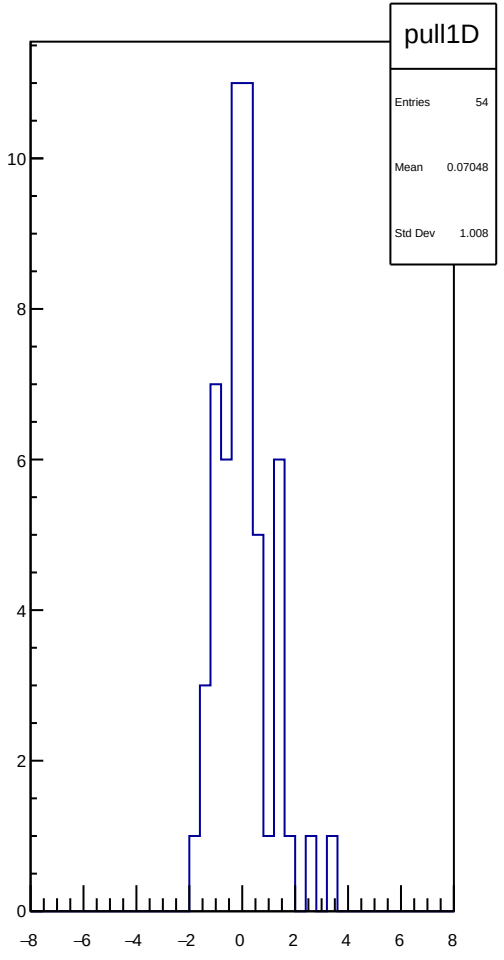

asym_us_avg_reg_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.479e+05 / 53
p0 9.015e−11 ± 1.153e−13
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

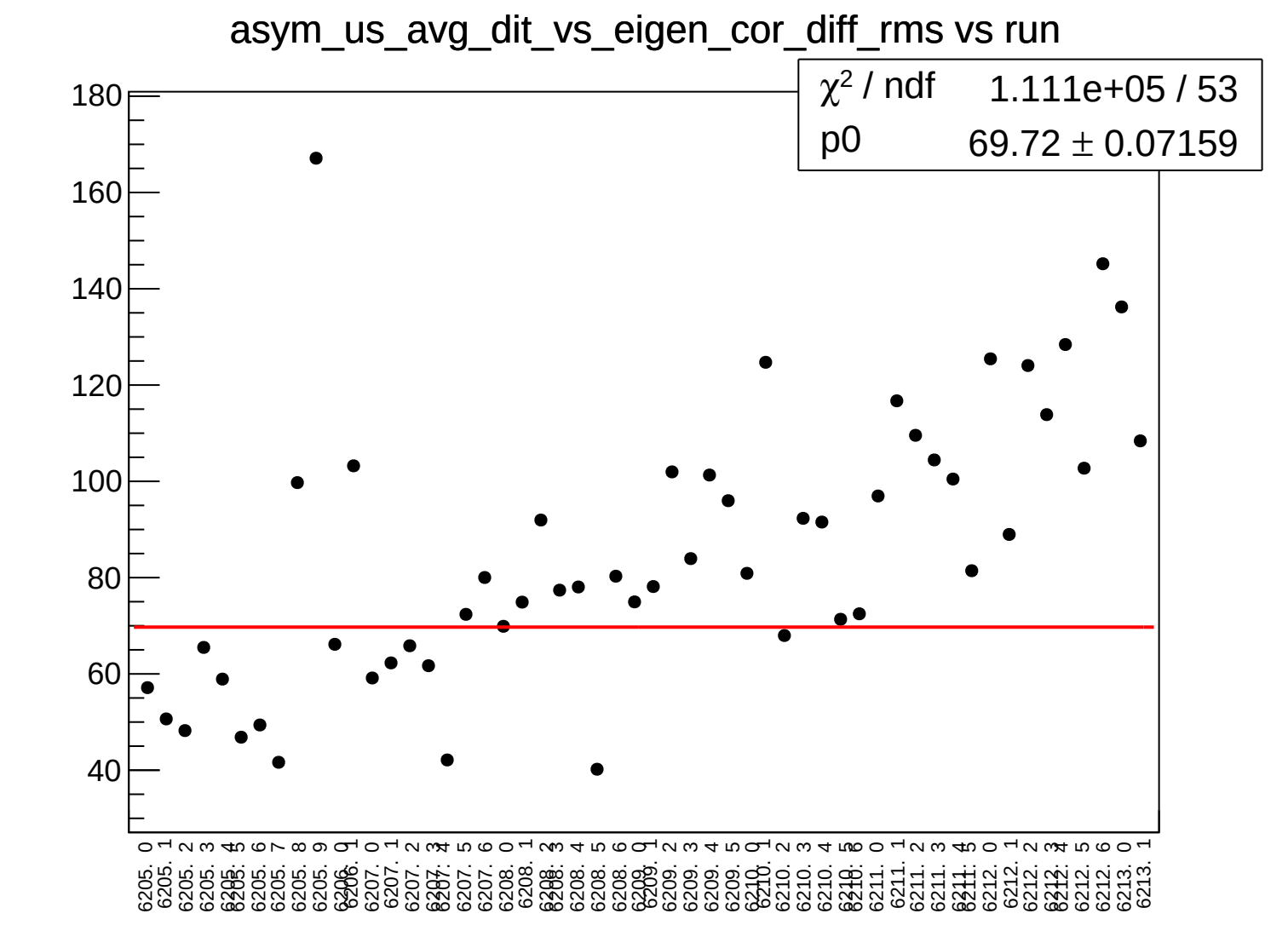

asym_us_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 55.1 / 53
p0 −0.2001± 0.1012
pull
Entries 54
Mean 27.08
Std Dev 14.74

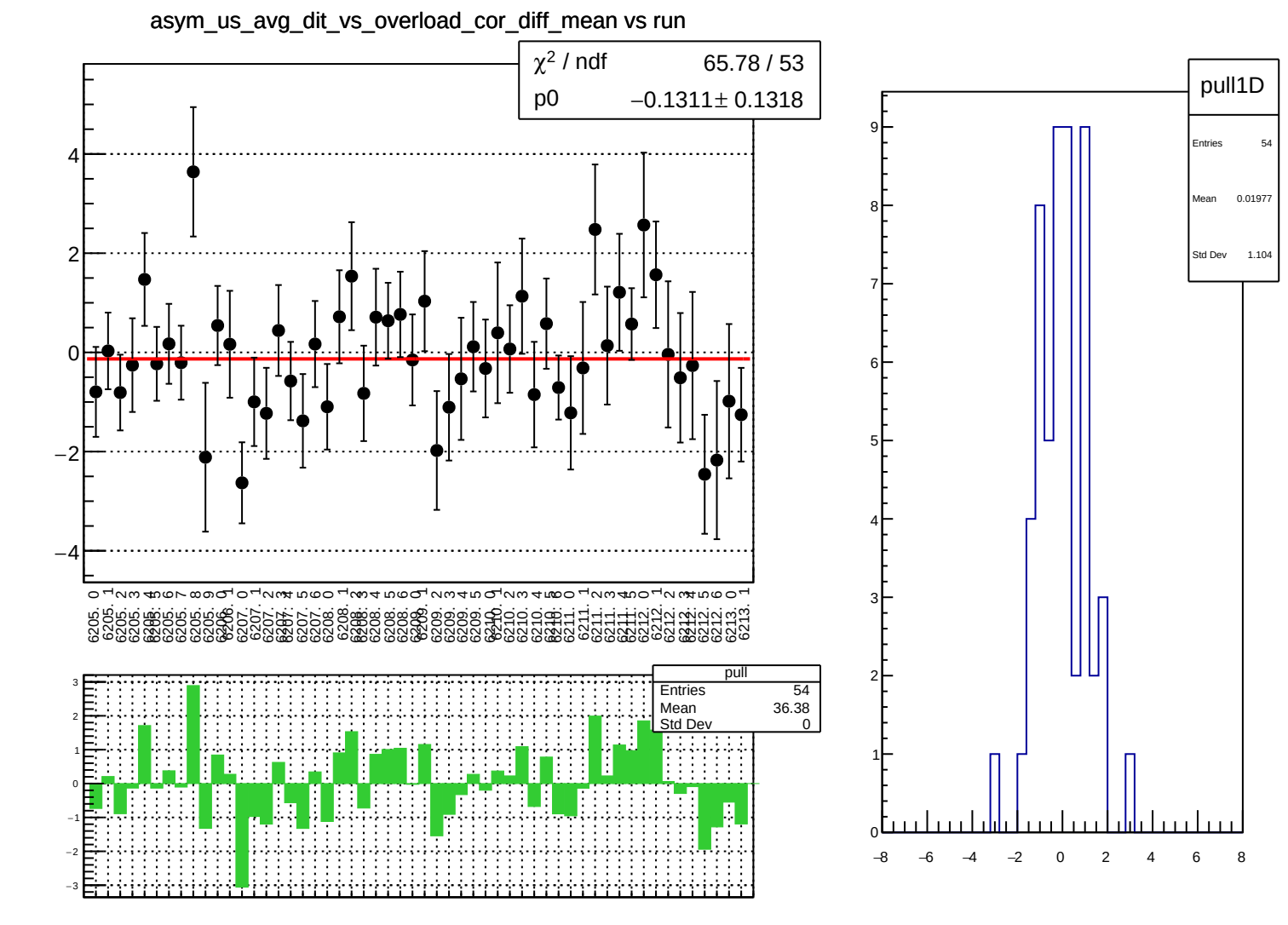

pull1D
Entries 54
Mean 0.07048
Std Dev 1.008

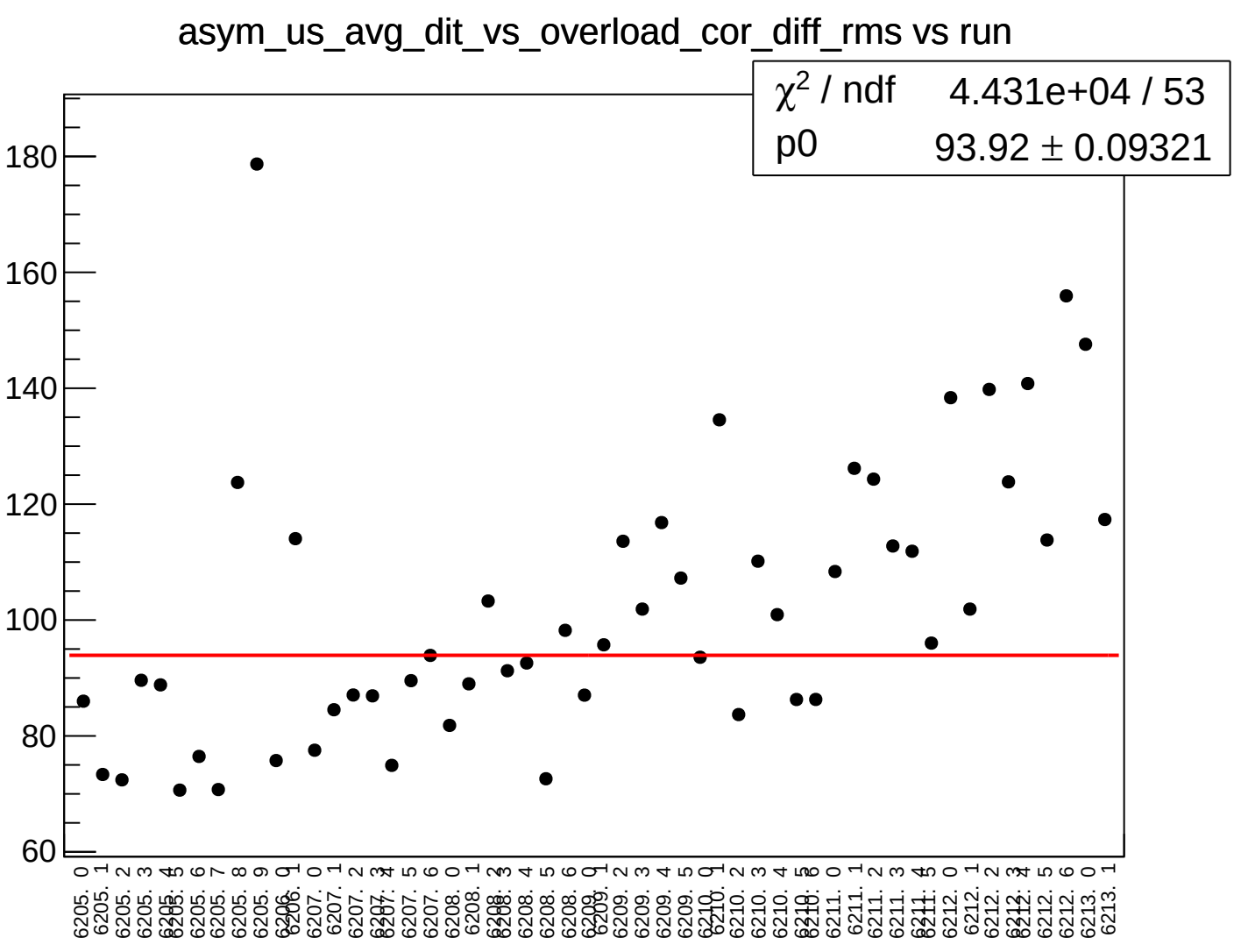

asym_us_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.111e+05 / 53
p0 69.72 ± 0.07159
180
160
140
120
100
80
60
40
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

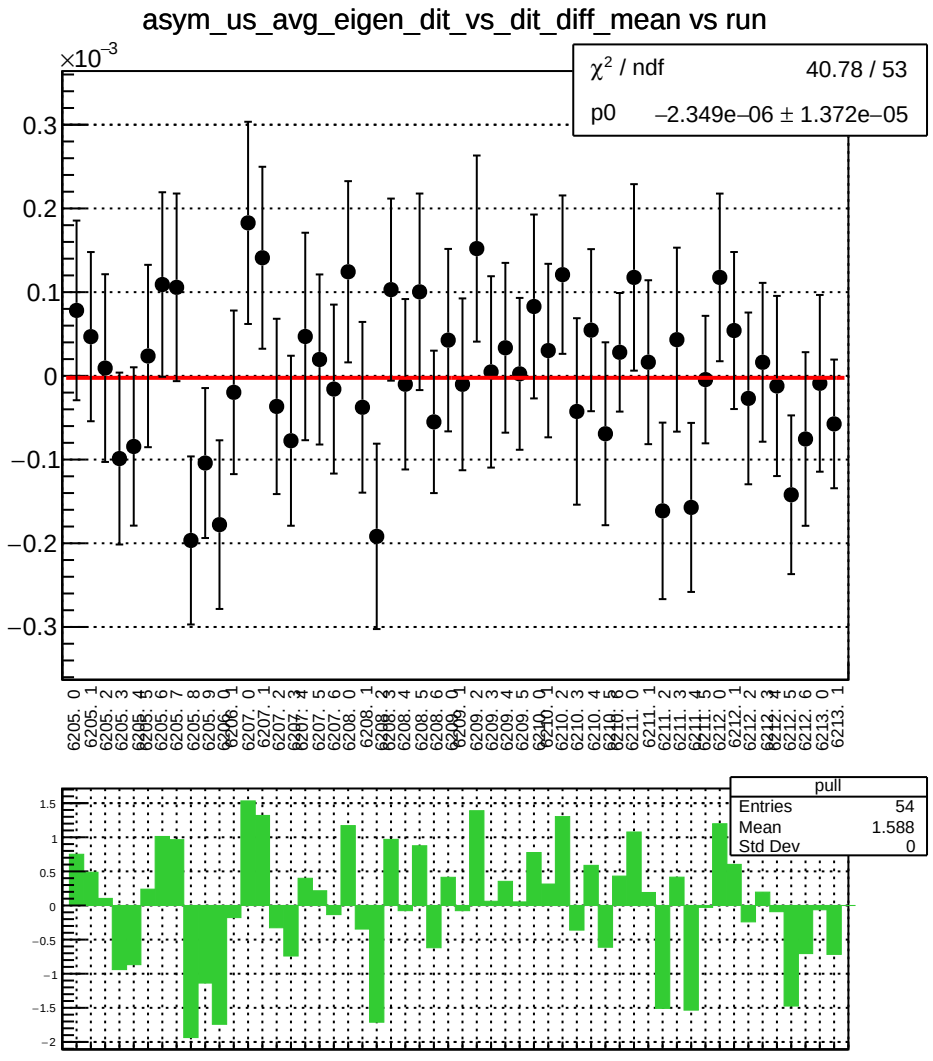

asym_us_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 55.1 / 53
p0 −0.2001± 0.1012
pull
Entries 54
Mean 27.08
Std Dev 14.74

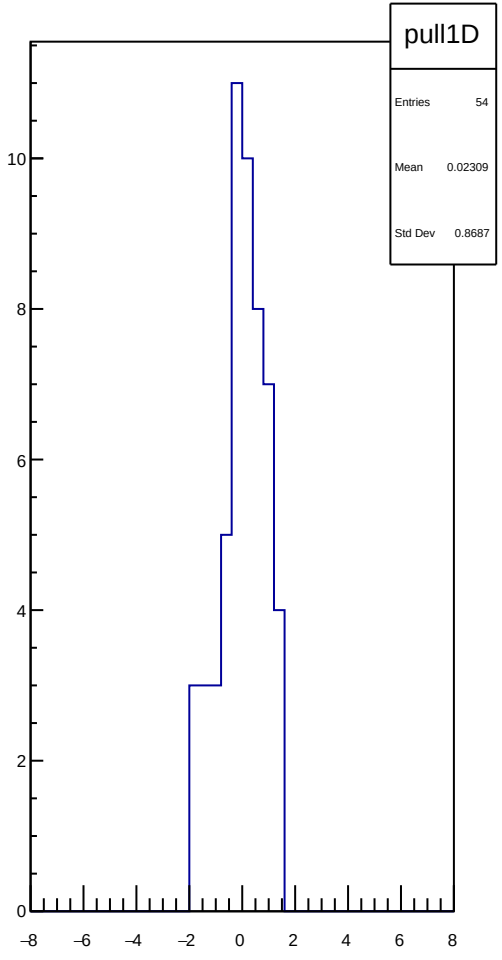

pull1D
Entries 54
Mean 0.07048
Std Dev 1.008

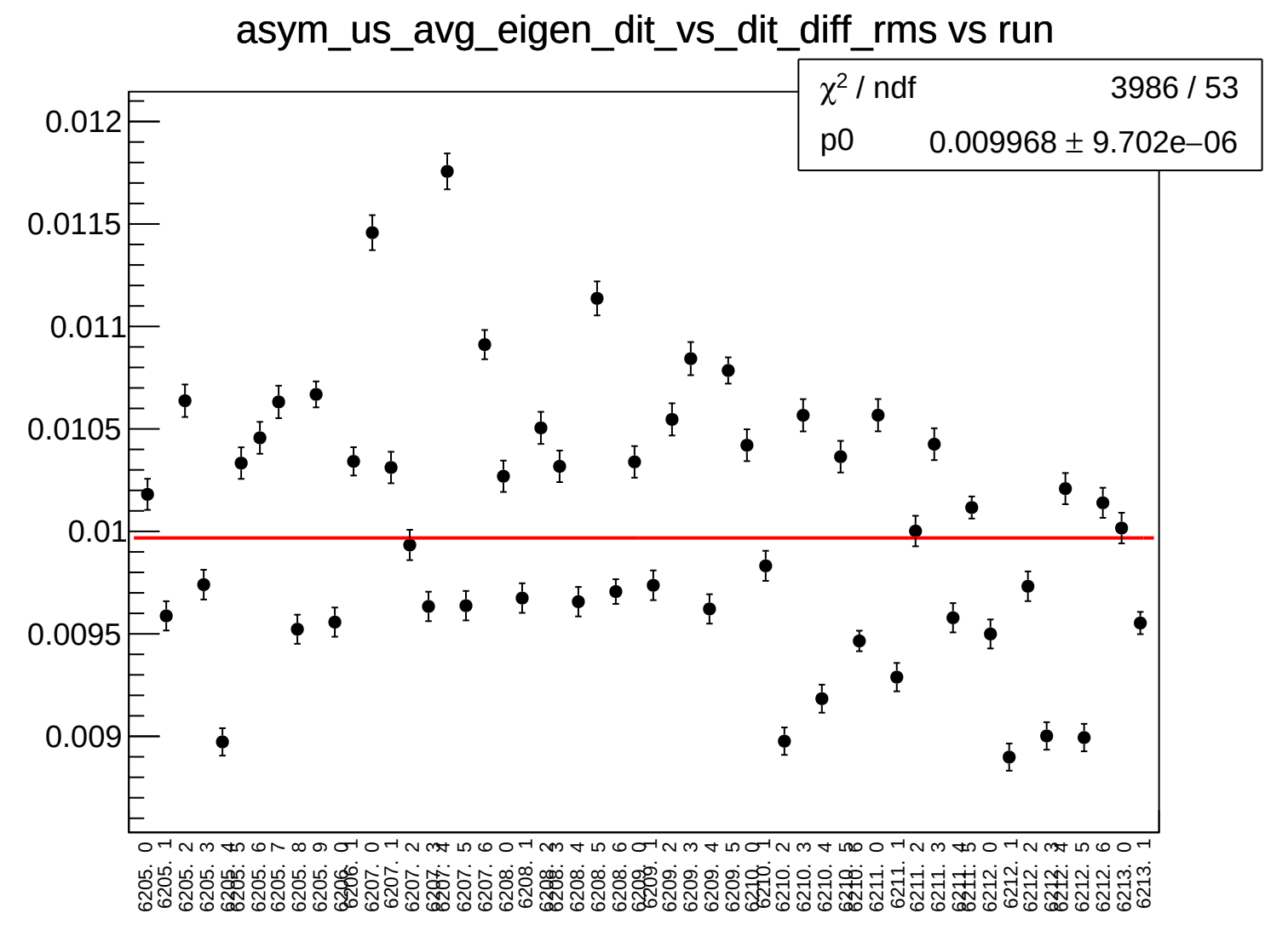

asym_us_avg_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 1.111e+05 / 53
p0 69.72 ± 0.07159
180
160
140
120
100
80
60
40
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

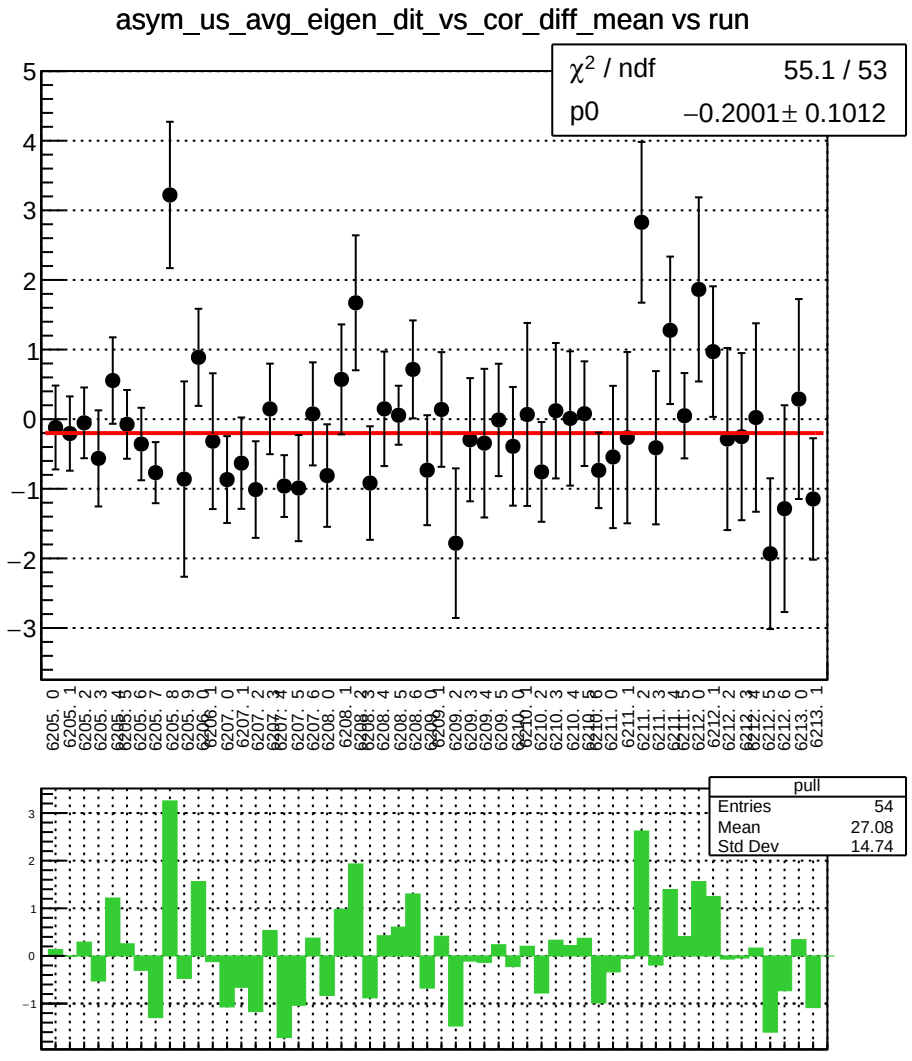

asym_us_avg_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 65.78 / 53
p0 −0.1311± 0.1318
pull
Entries 54
Mean 36.38
Std Dev 0
pull1D
Entries 54
Mean 0.01977
Std Dev 1.104

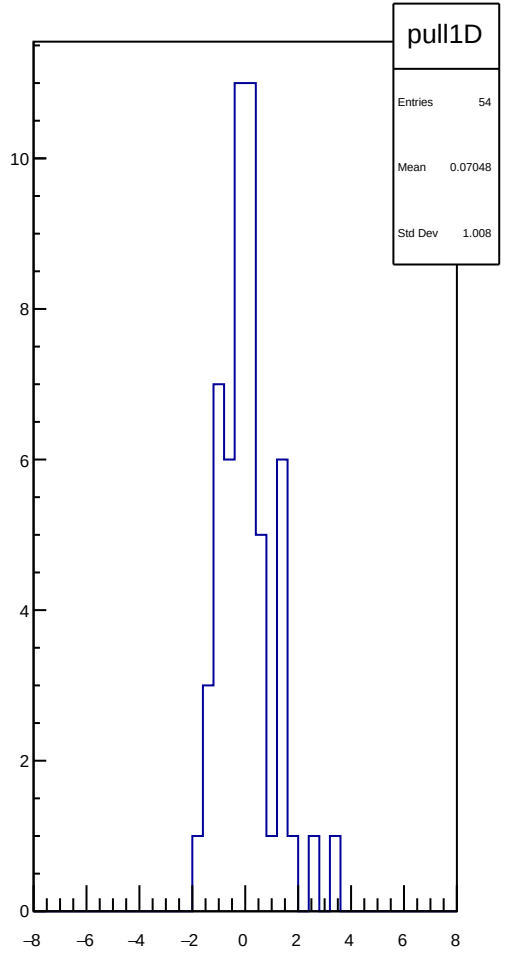

asym_us_avg_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 4.431e+04 / 53
p0 93.92 ± 0.09321
180
160
140
120
100
80
60
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

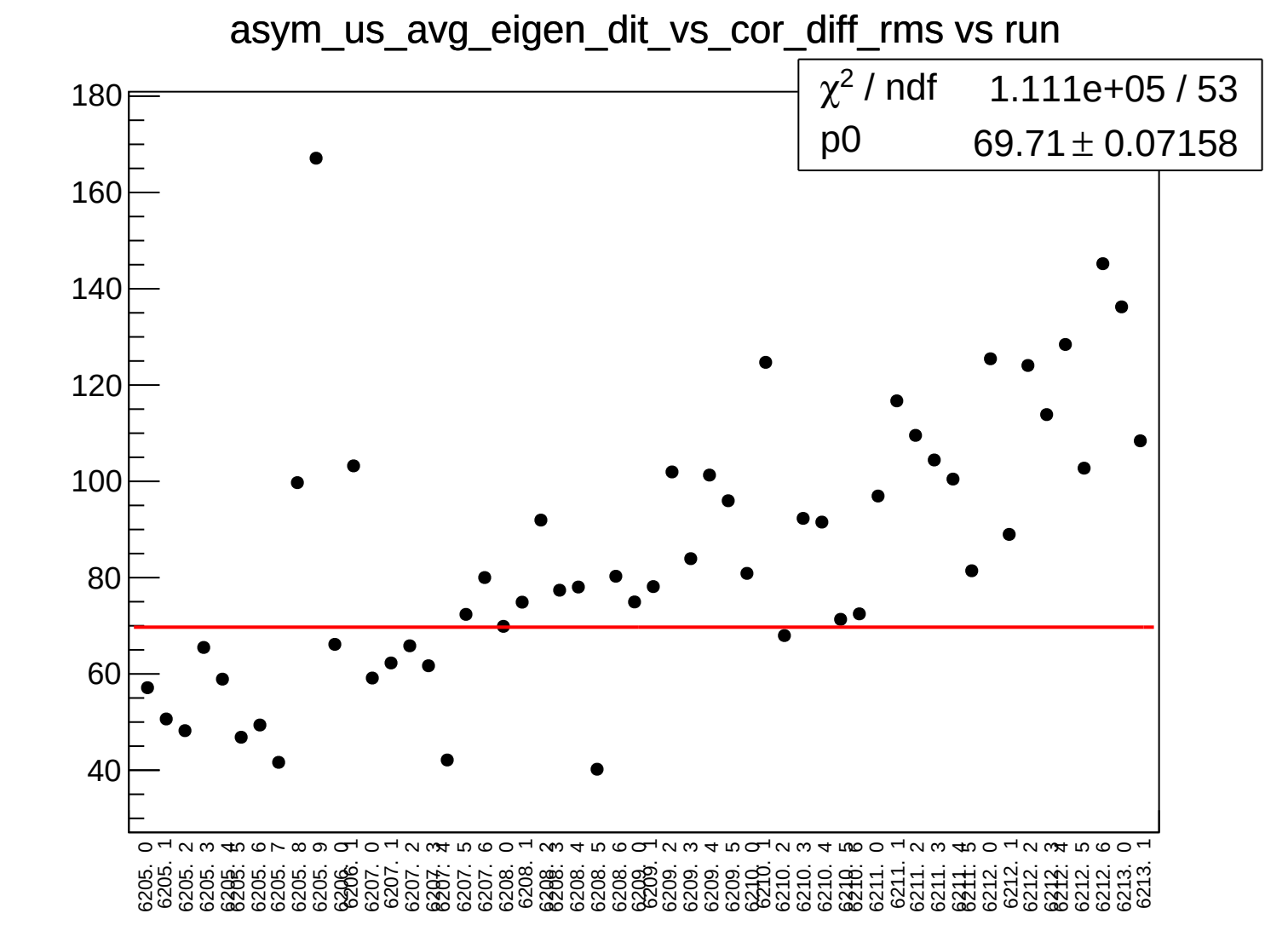

asym_us_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 40.78 / 53
p0 −2.349e−06 ± 1.372e−05
pull
Entries 54
Mean 1.588
Std Dev 0

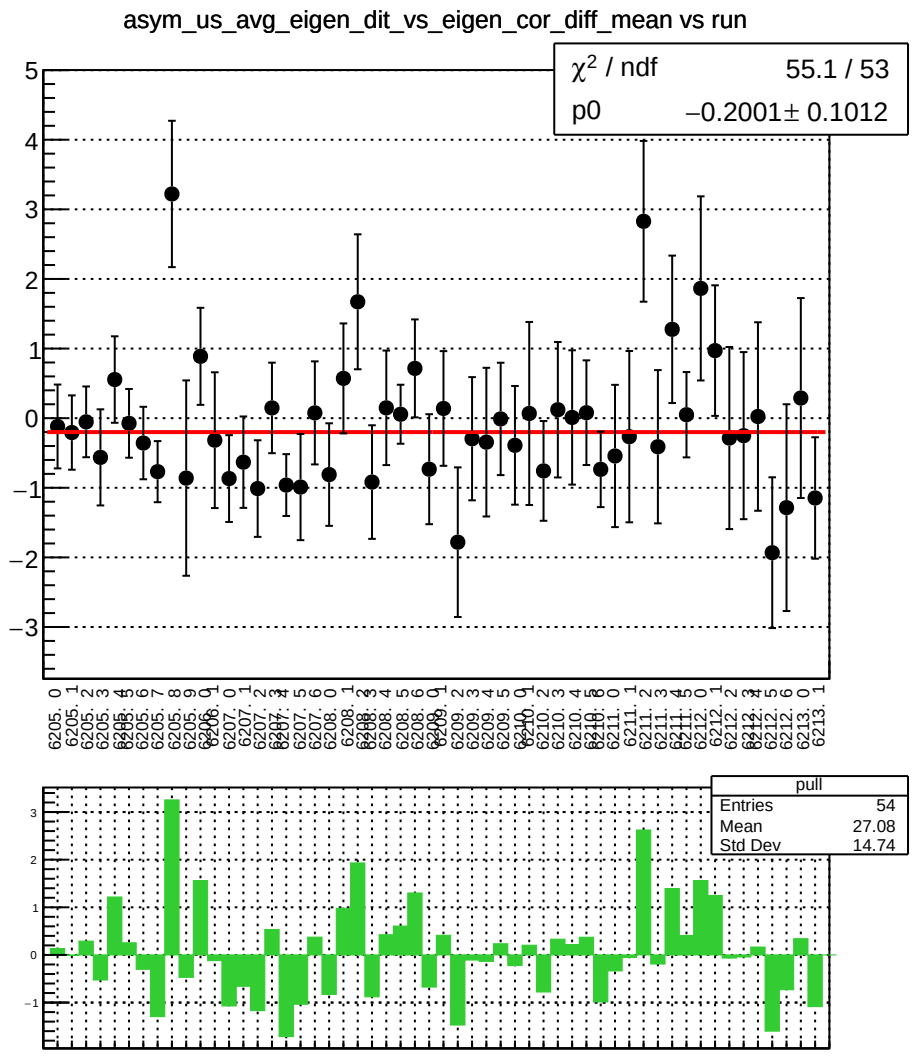

pull1D
Entries 54
Mean 0.02309
Std Dev 0.8687

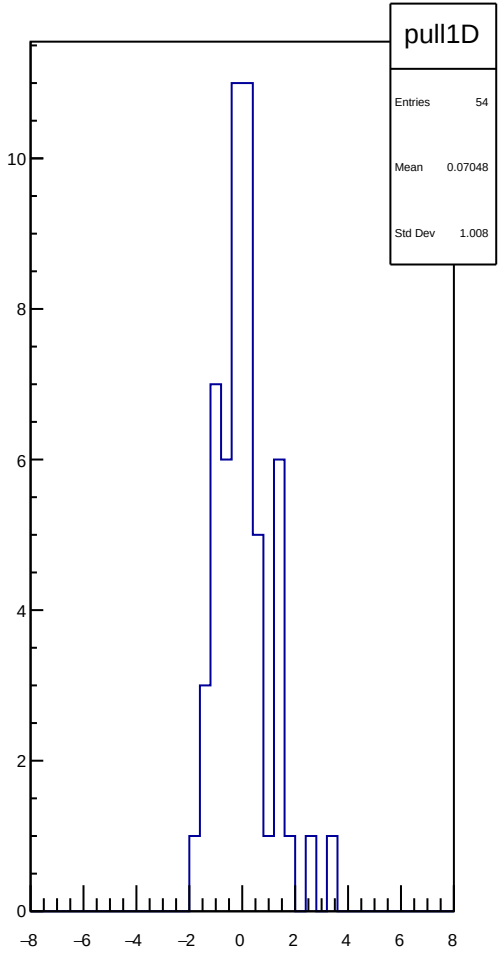

asym_us_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3986 / 53
p0 0.009968 ± 9.702e−06
0.012
0.0115
0.011
0.0105
0.01
0.0095
0.009
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

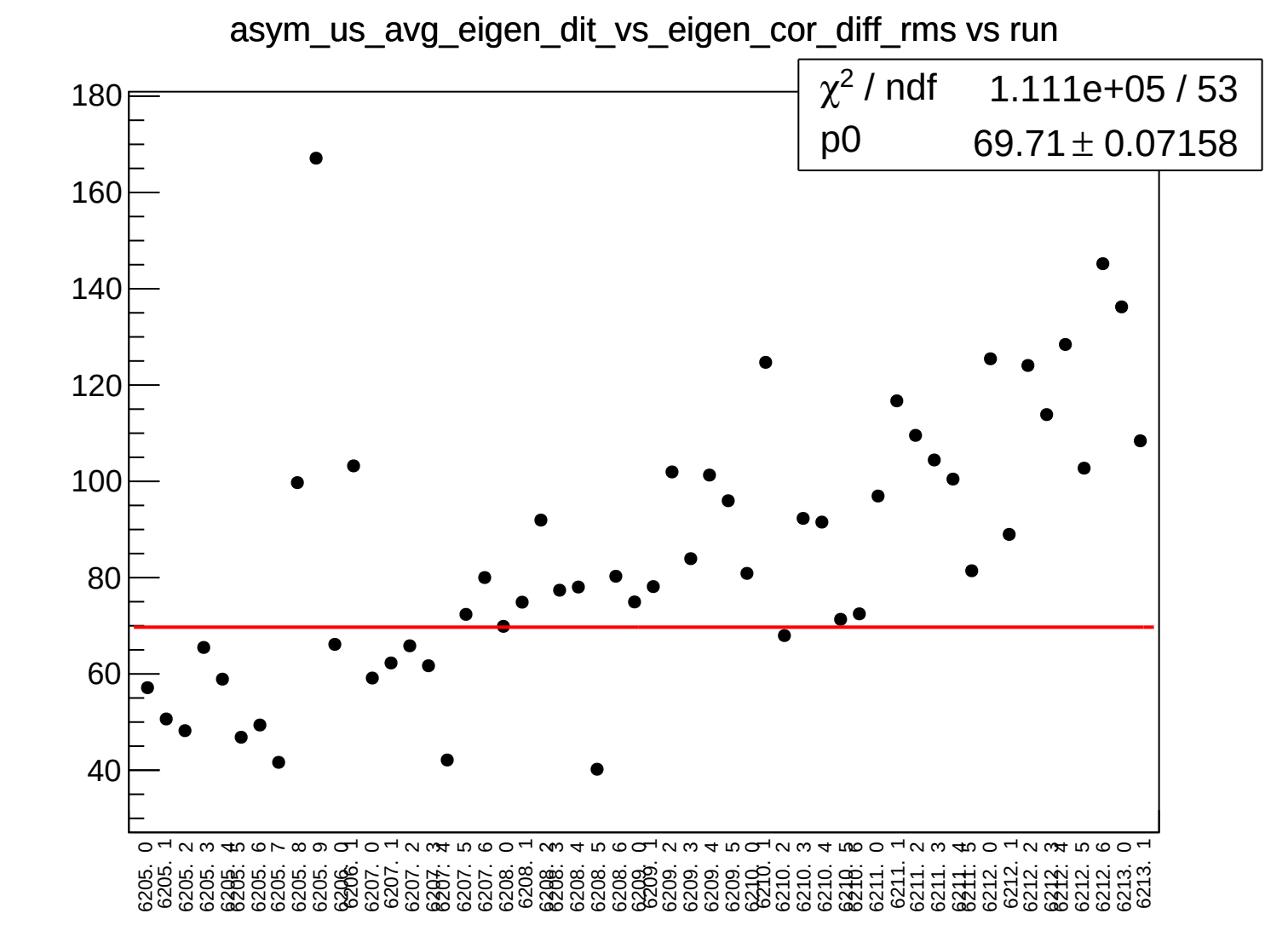

asym_us_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 55.1 / 53
p0 −0.2001± 0.1012
pull
Entries 54
Mean 27.08
Std Dev 14.74


pull1D
Entries 54
Mean 0.07048
Std Dev 1.008

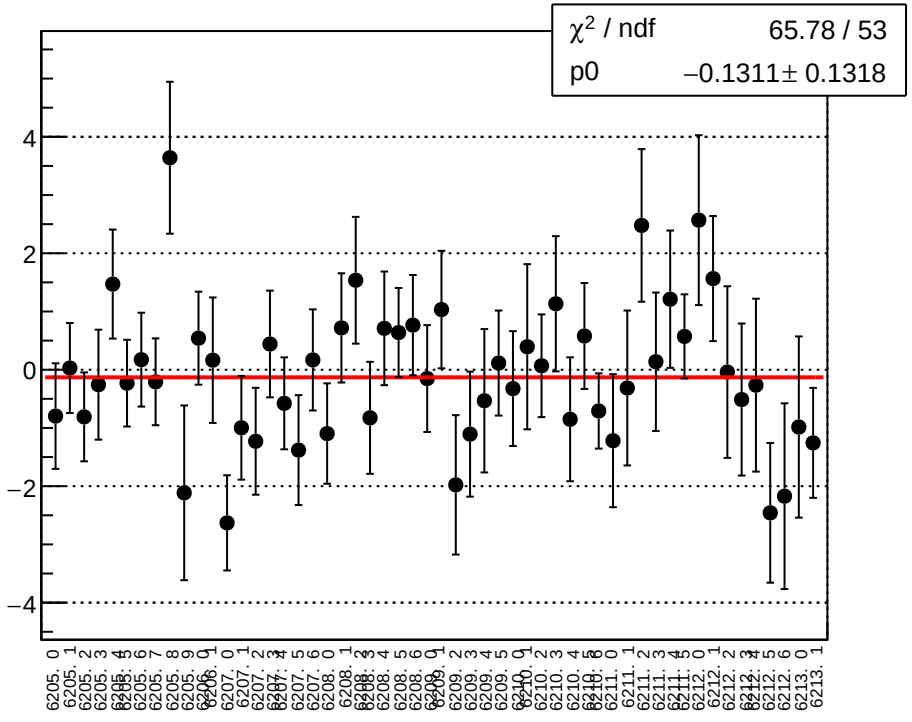

asym_us_avg_eigen_dit_vs_cor_diff_rms vs run
χ^2 / ndf 1.111e+05 / 53
p0 69.71 ± 0.07158
180
160
140
120
100
80
60
40
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

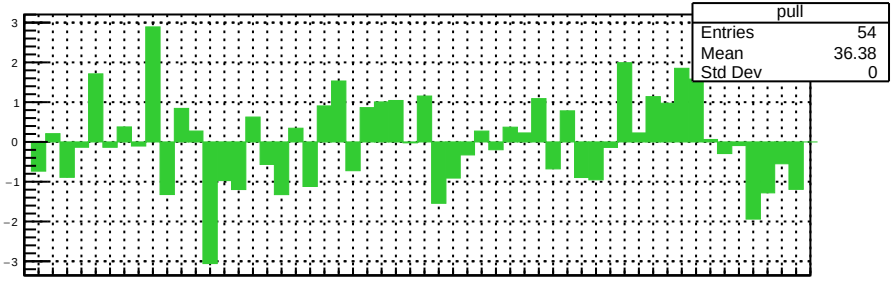

asym_us_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 55.1 / 53
p0 −0.2001± 0.1012
pull
Entries 54
Mean 27.08
Std Dev 14.74

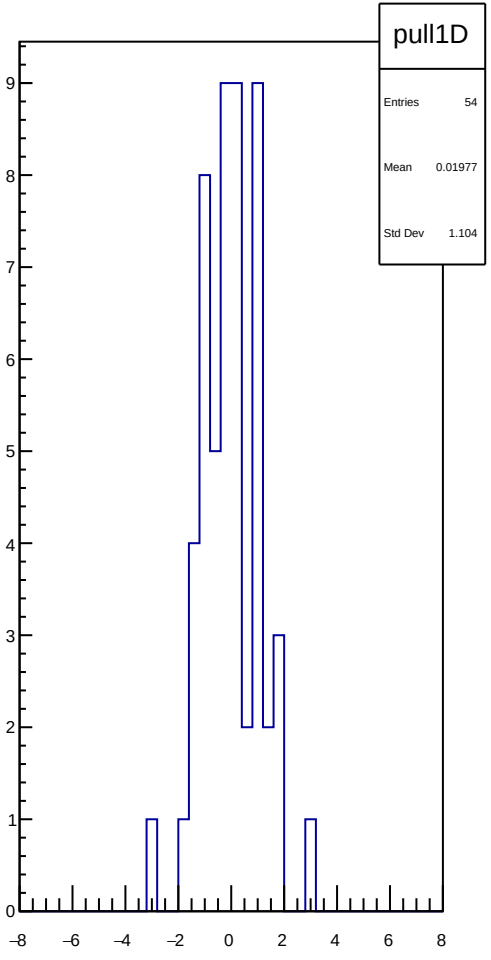

pull1D
Entries 54
Mean 0.07048
Std Dev 1.008

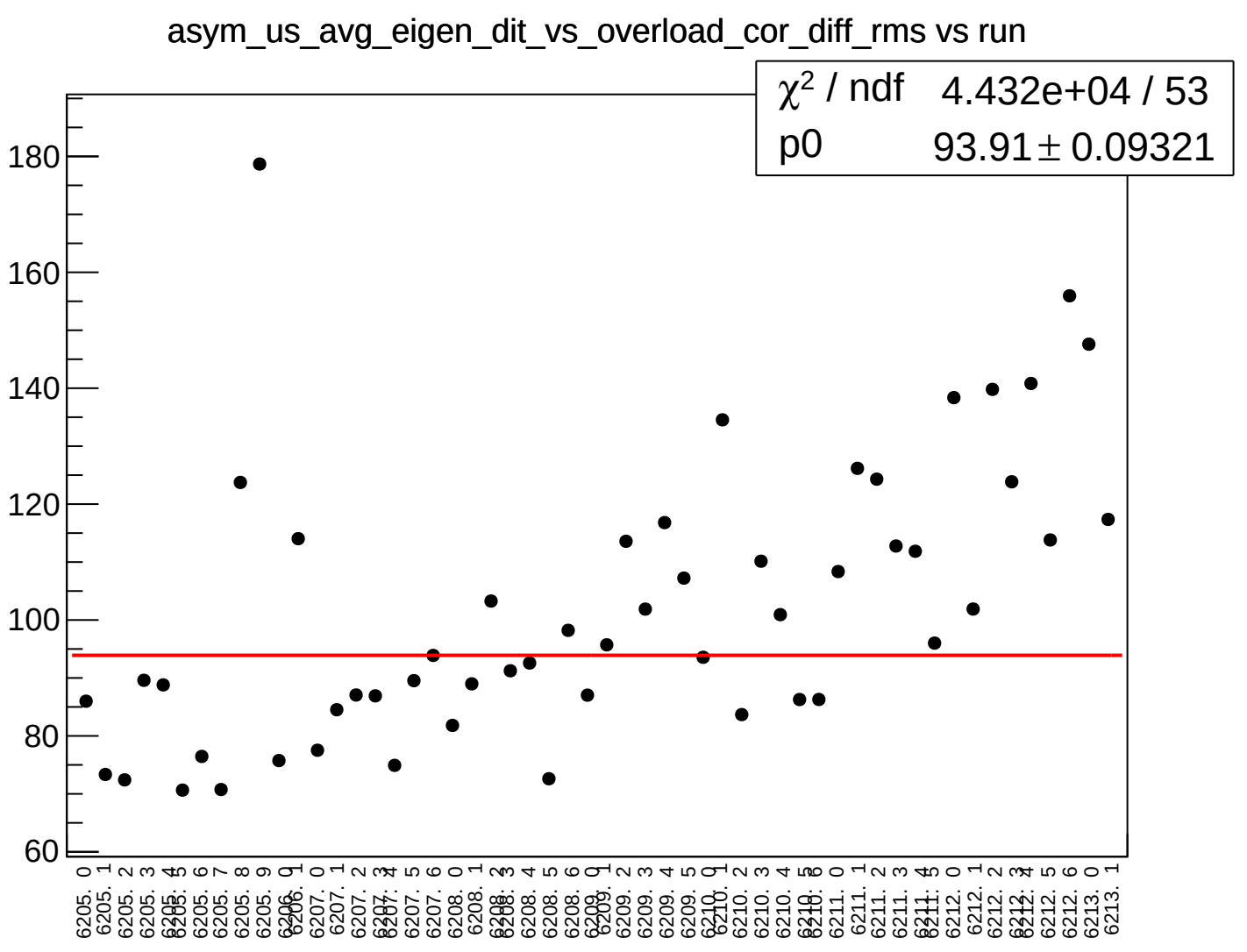

asym_us_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 1.111e+05 / 53
p0 69.71 ± 0.07158
180
160
140
120
100
80
60
40
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

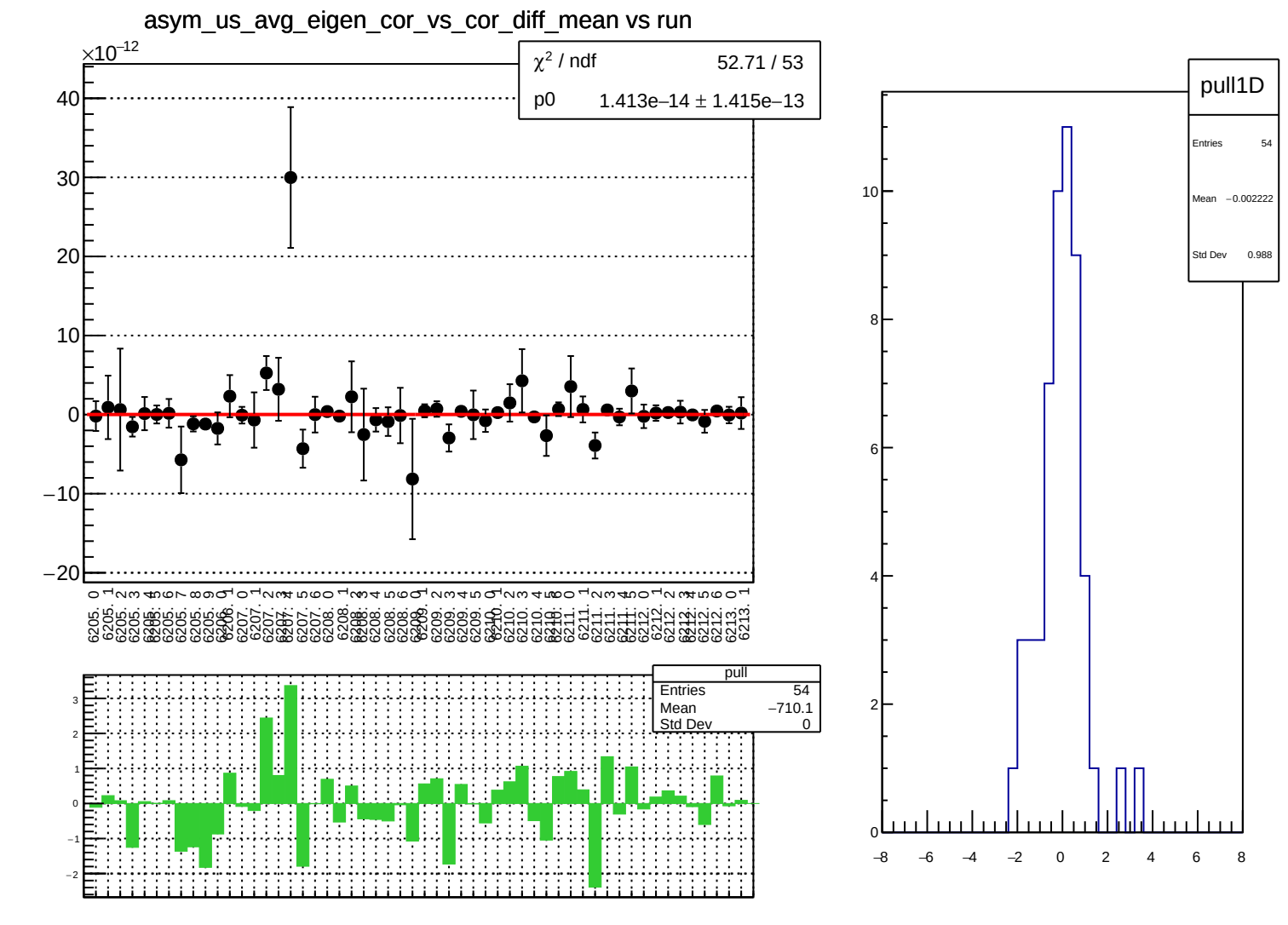
asym_us_avg_eigen_dit_vs_overload_cor_diff_mean vs run

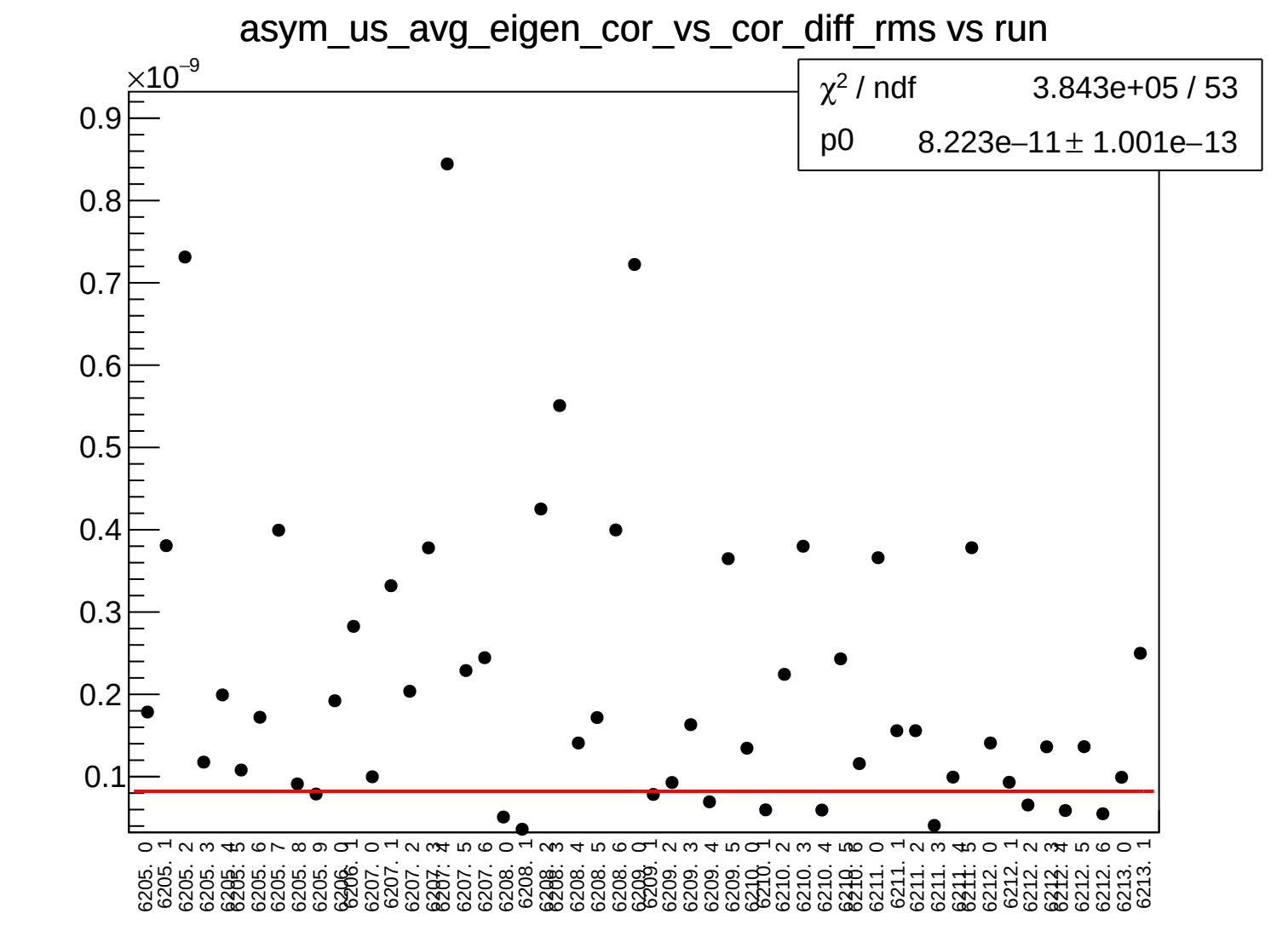


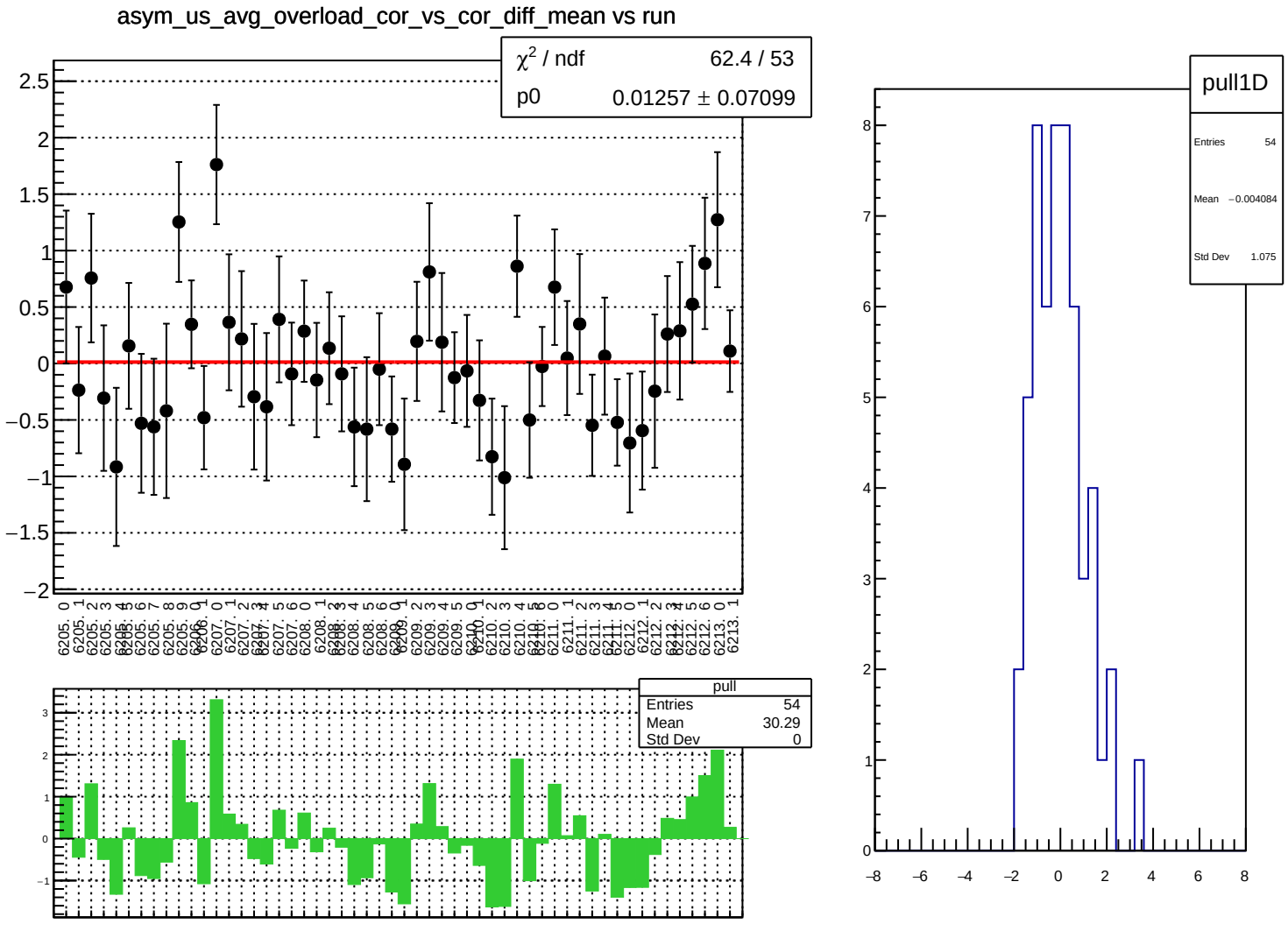


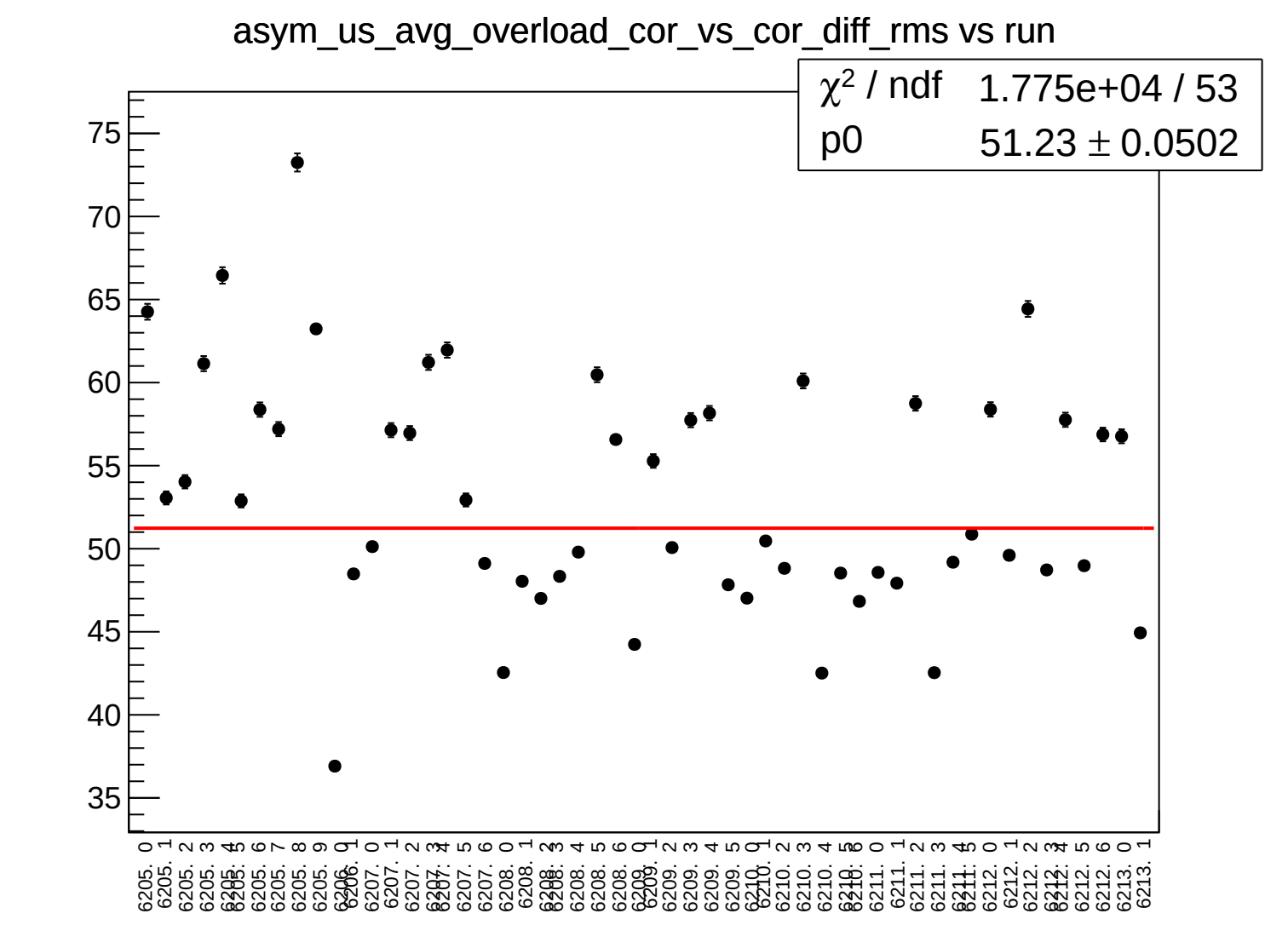


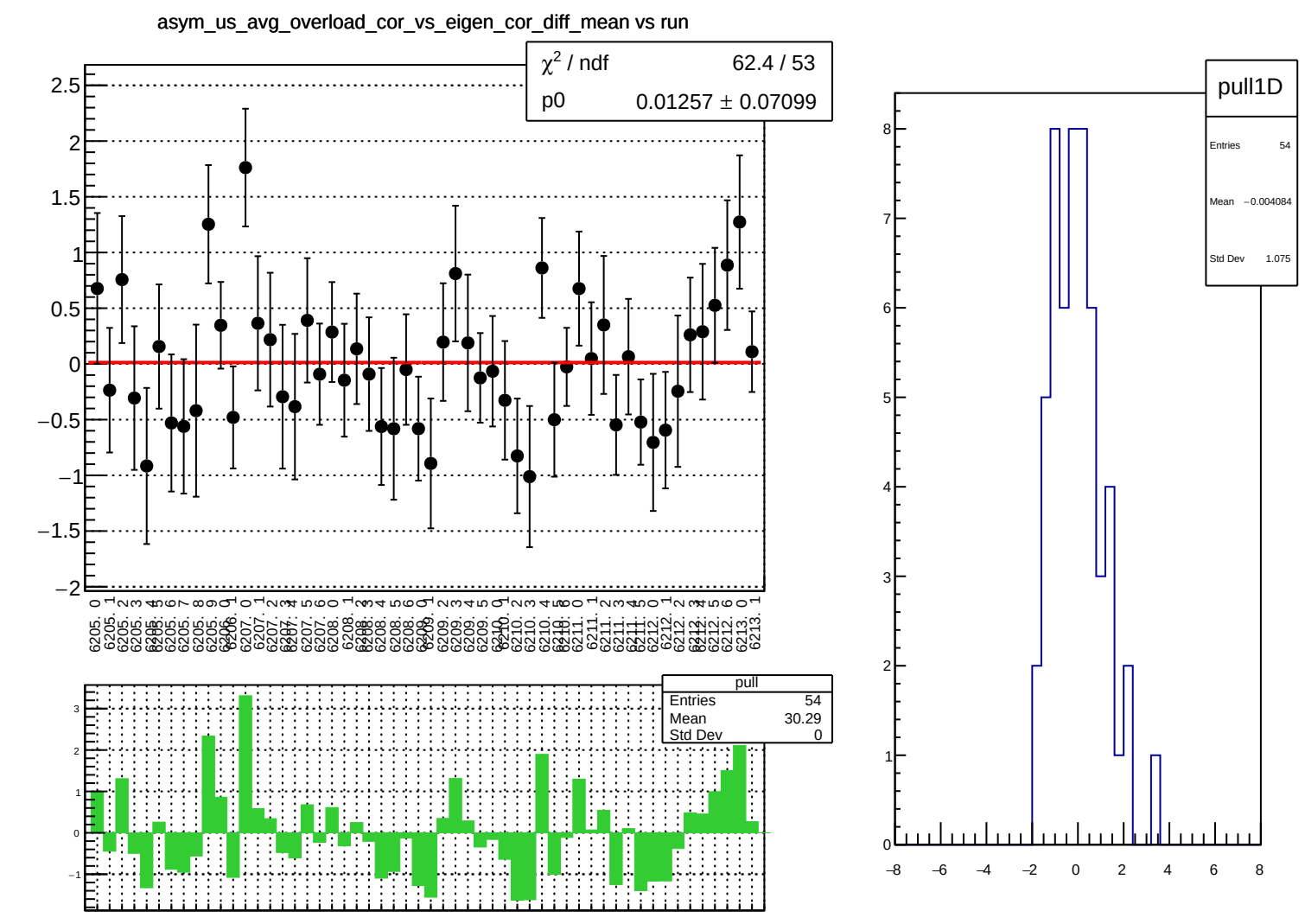

asym_us_avg_eigen_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 4.432e+04 / 53
p0 93.91 ± 0.09321
180
160
140
120
100
80
60
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

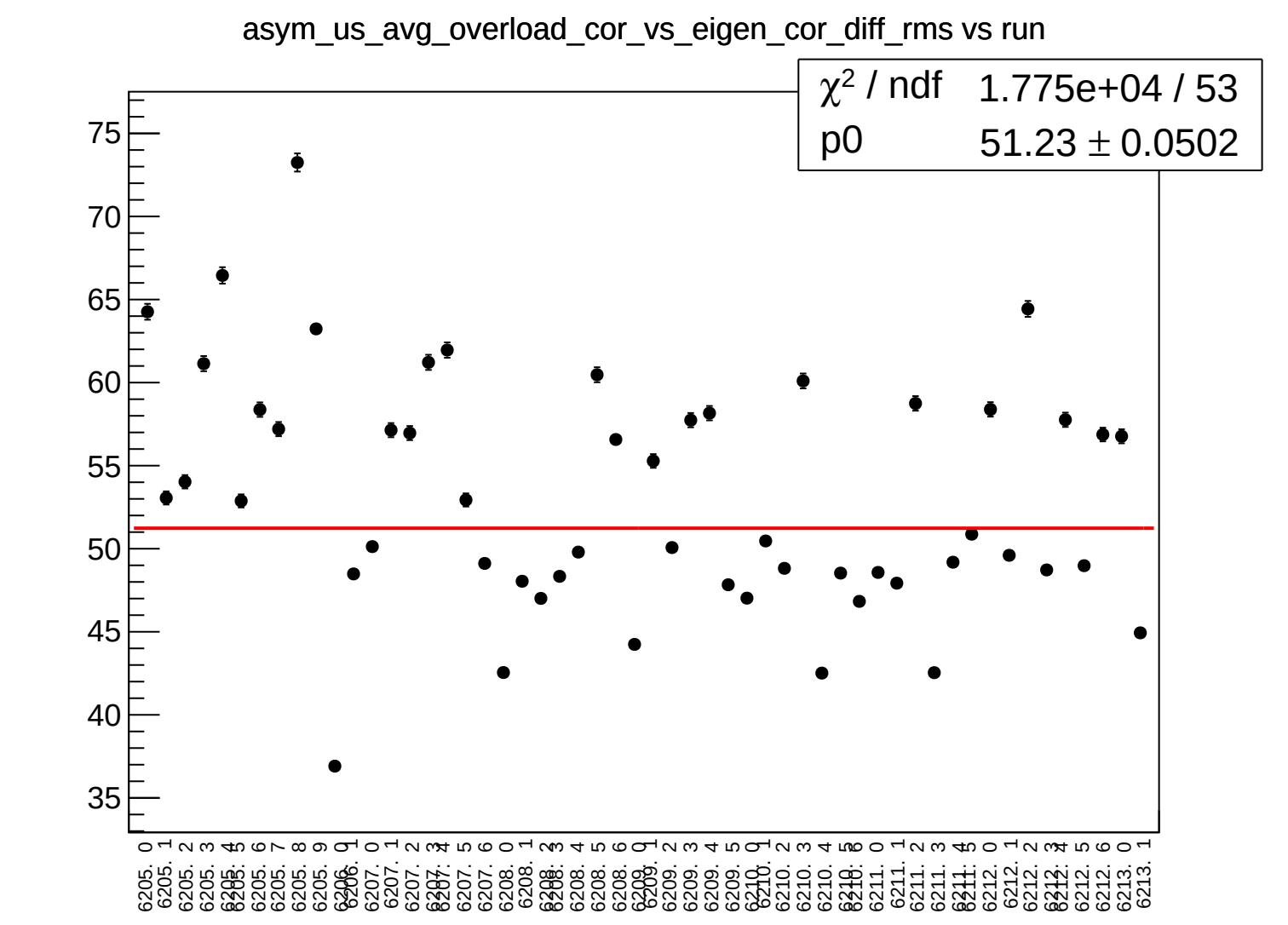

asym_us_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 52.71 / 53
p0 1.413e−14 ± 1.415e−13
pull
Entries 54
Mean −710.1
Std Dev 0
pull1D
Entries 54
Mean −0.002222
Std Dev 0.988

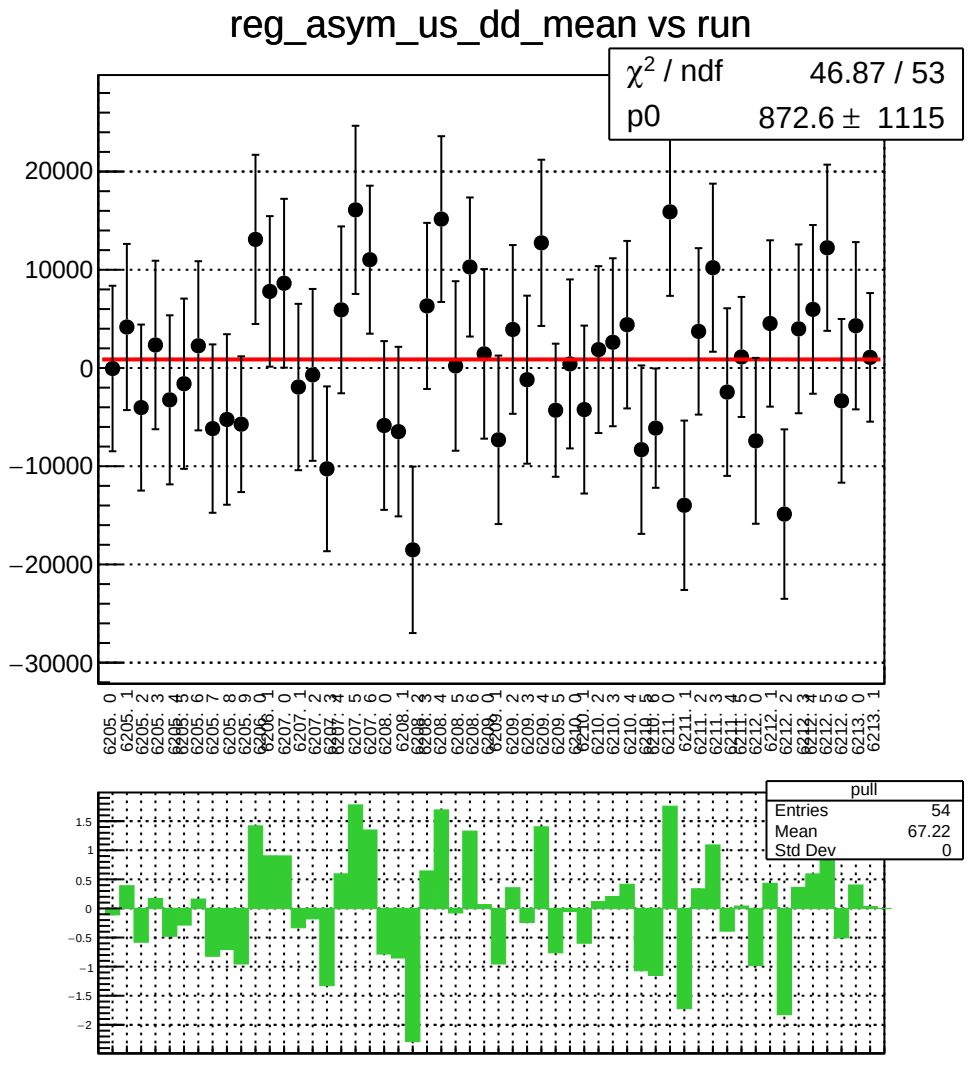

asym_us_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.843e+05 / 53
p0 8.223e−11 ± 1.001e−13
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

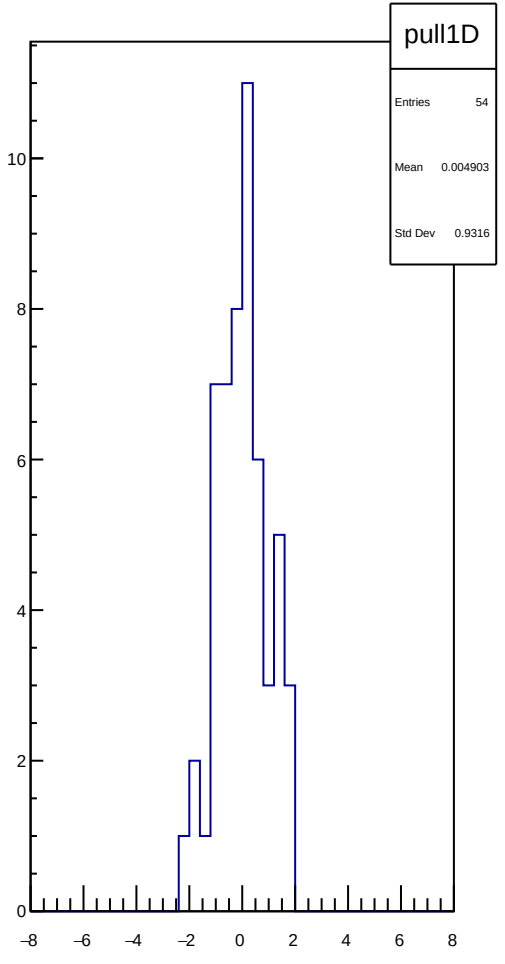

asym_us_avg_overload_cor_vs_cor_diff_mean vs run
χ² / ndf 62.4 / 53
p0 0.01257 ± 0.07099
pull
Entries 54
Mean 30.29
Std Dev 0
pull1D
Entries 54
Mean −0.004084
Std Dev 1.075

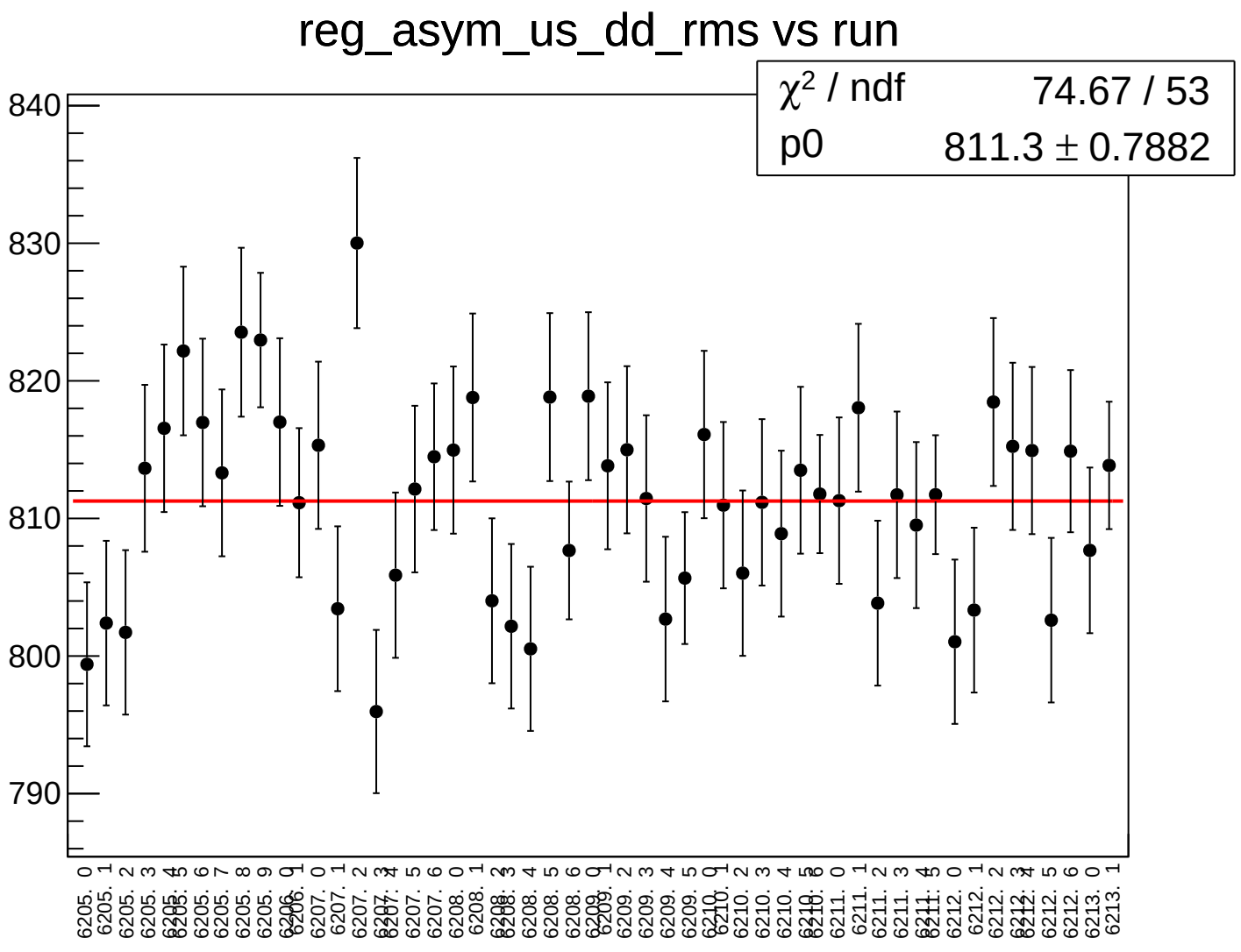

asym_us_avg_overload_cor_vs_cor_diff_rms vs run
χ² / ndf 1.775e+04 / 53
p0 51.23 ± 0.0502
75
70
65
60
55
50
45
40
35
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 1
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

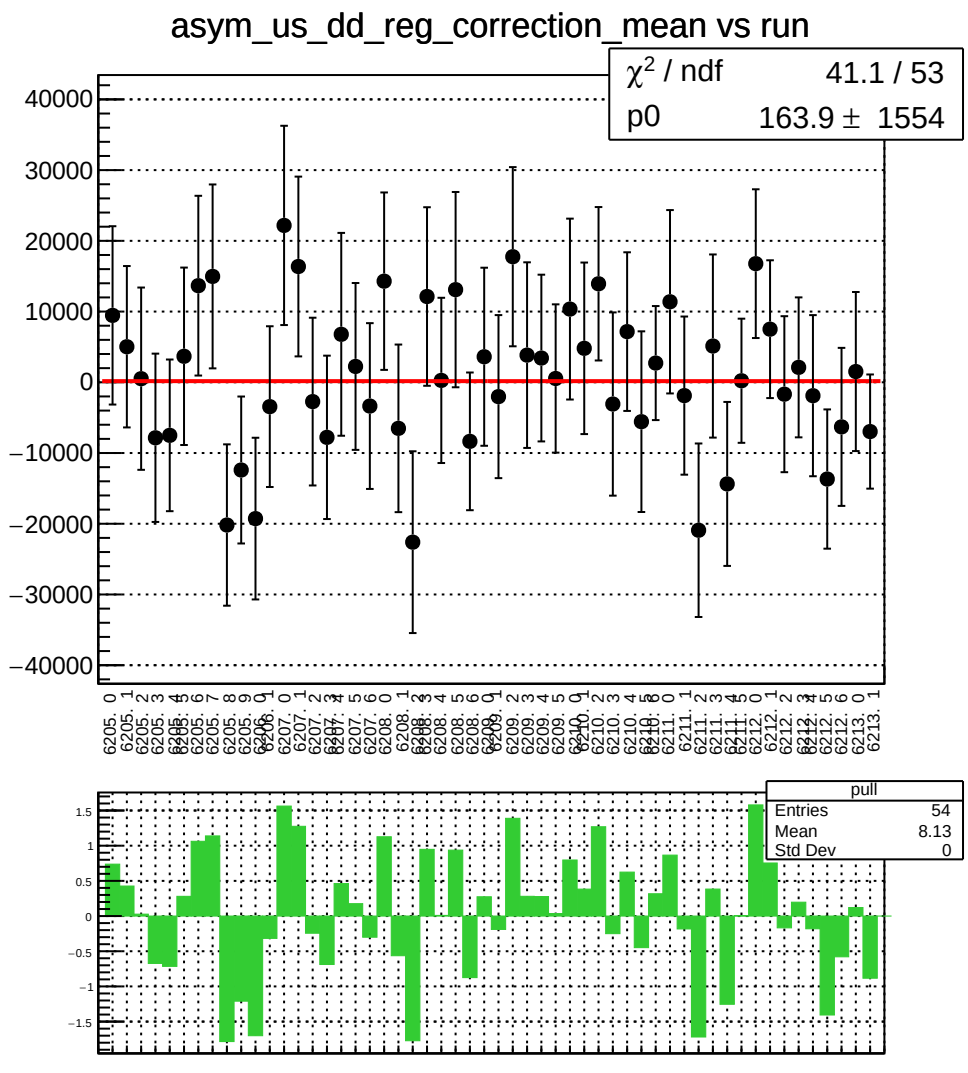

asym_us_avg_overload_cor_vs_eigen_cor_diff_mean vs run
χ² / ndf 62.4 / 53
p0 0.01257 ± 0.07099
pull
Entries 54
Mean 30.29
Std Dev 0
pull1D
Entries 54
Mean −0.004084
Std Dev 1.075

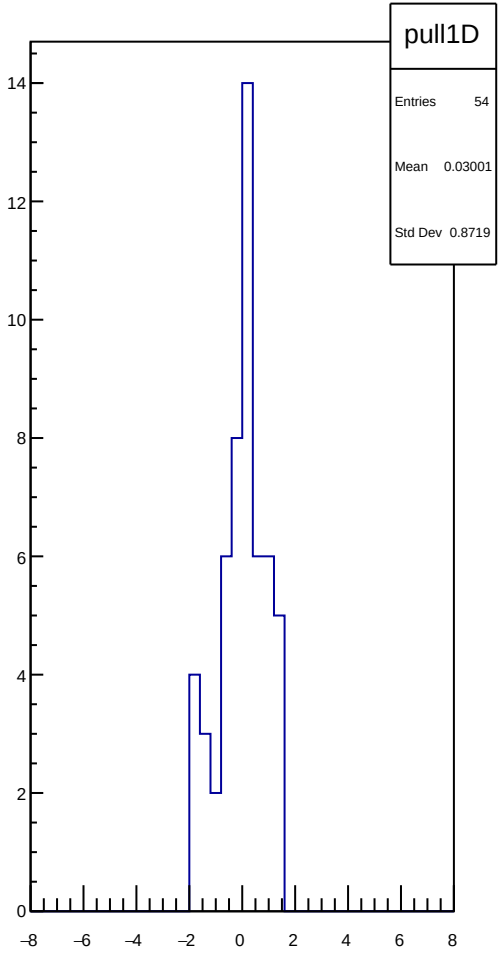

asym_us_avg_overload_cor_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.775e+04 / 53
p0 51.23 ± 0.0502
75
70
65
60
55
50
45
40
35
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

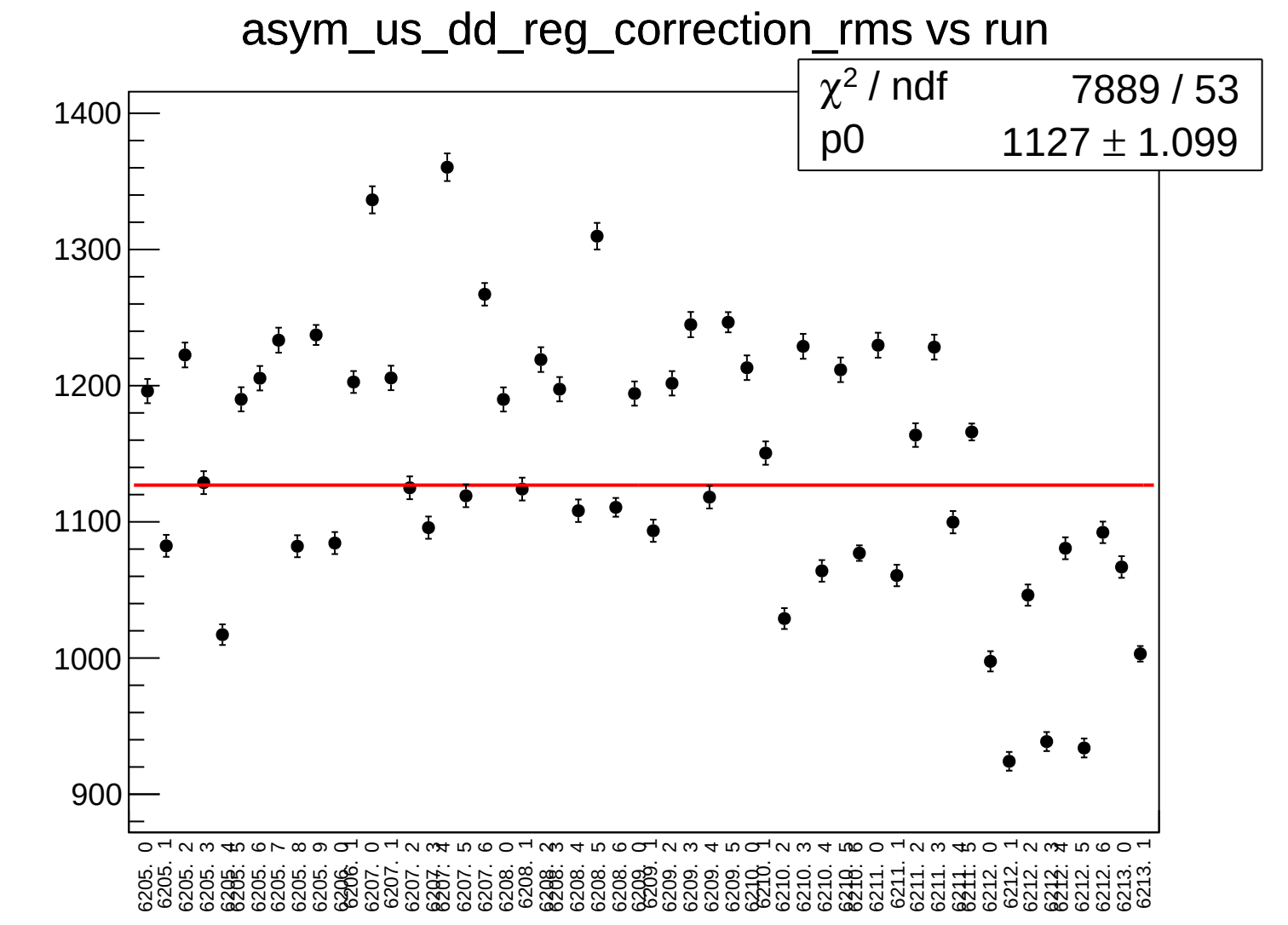

reg_asym_us_dd_mean vs run
χ² / ndf 46.87 / 53
p0 872.6 ± 1115
20000
10000
0
−10000
−20000
−30000
pull
Entries 54
Mean 67.22
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

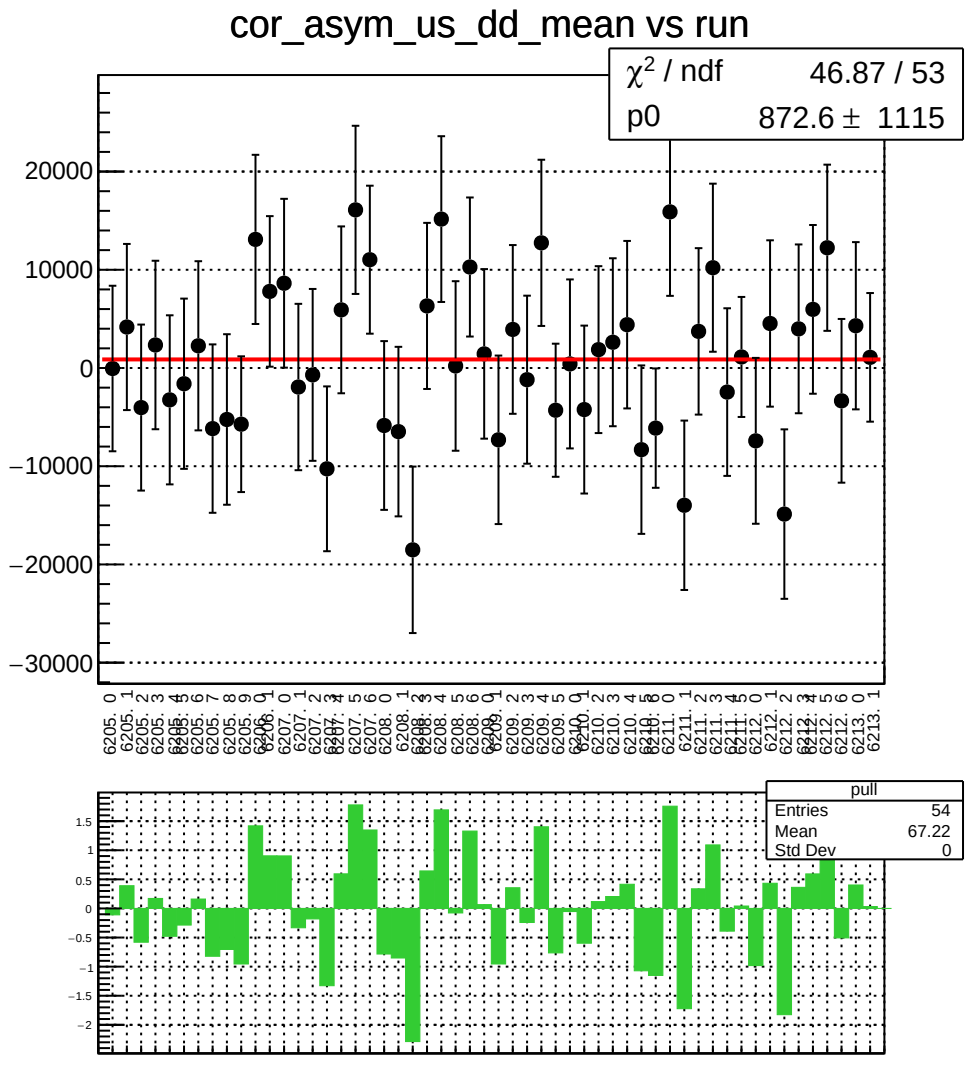

pull1D
Entries 54
Mean 0.004903
Std Dev 0.9316
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

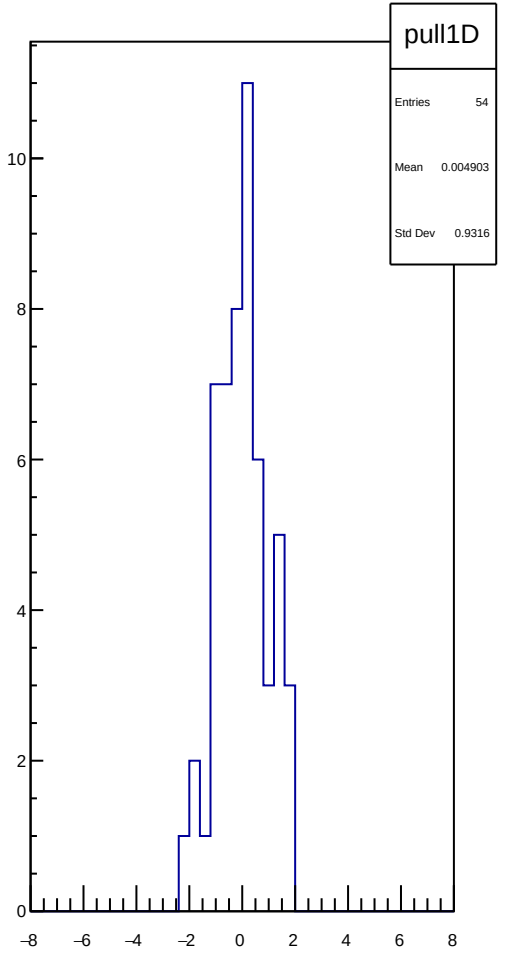

reg_asym_us_dd_rms vs run
χ² / ndf 74.67 / 53
p0 811.3 ± 0.7882
840
830
820
810
800
790
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

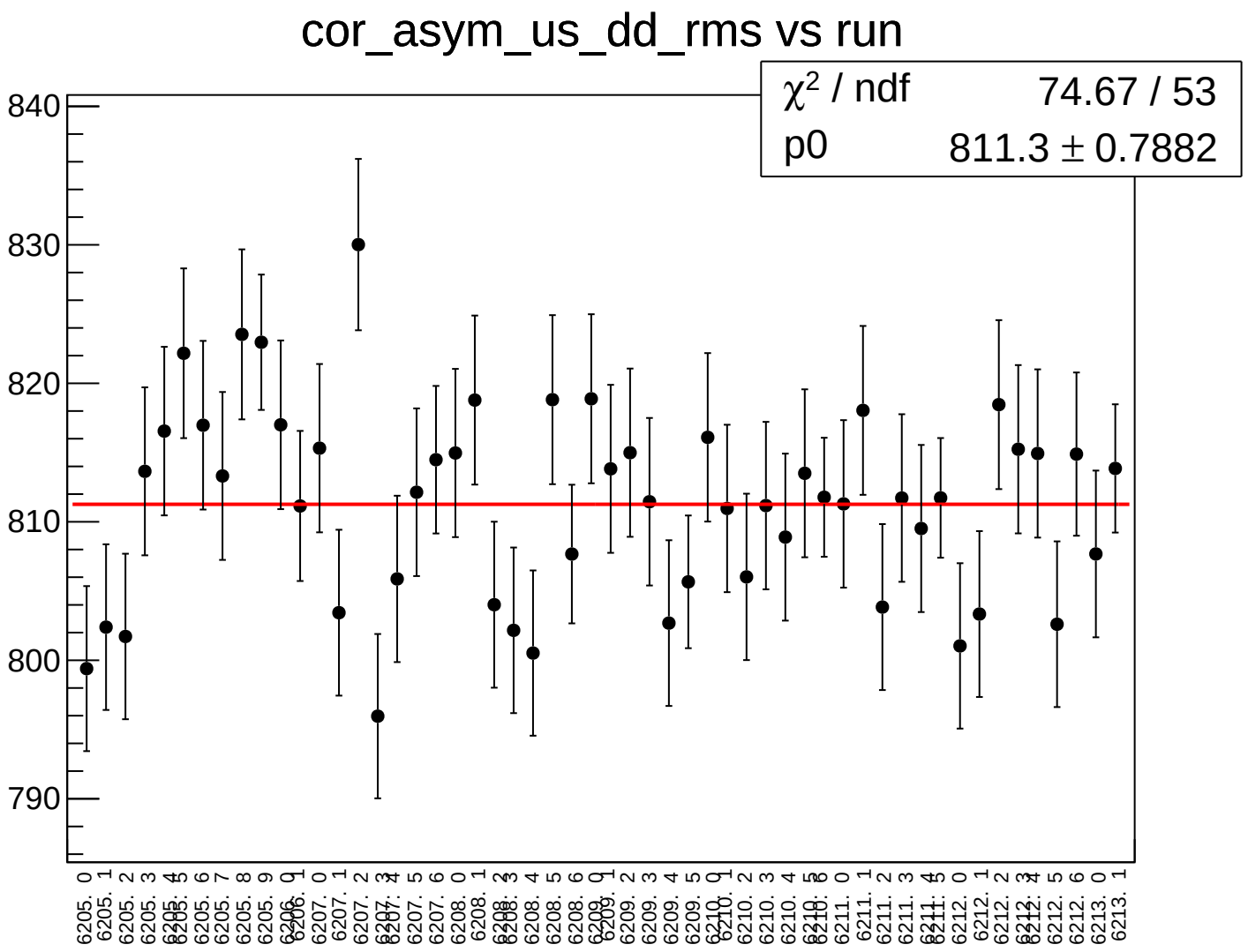

asym_us_dd_reg_correction_mean vs run
χ² / ndf 41.1 / 53
p0 163.9 ± 1554
pull
Entries 54
Mean 8.13
Std Dev 0

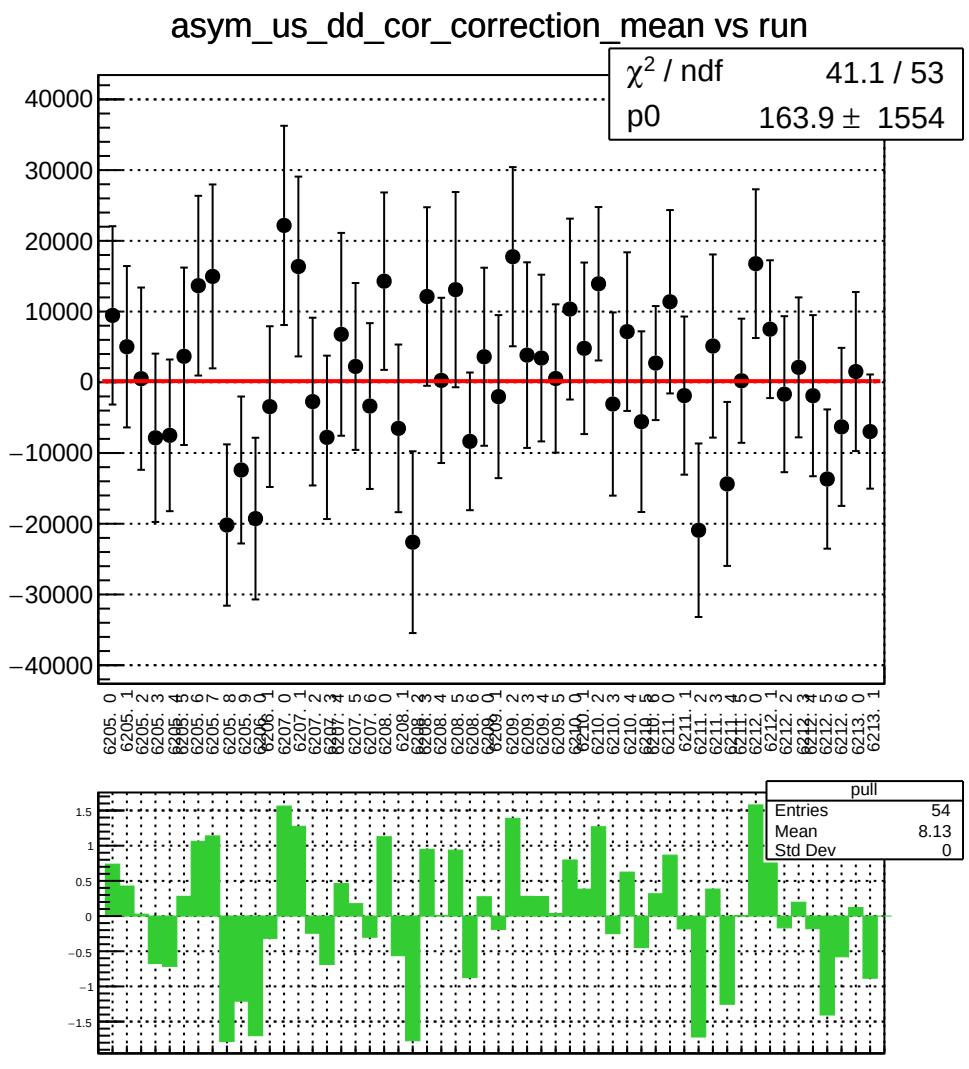

pull1D
Entries 54
Mean 0.03001
Std Dev 0.8719

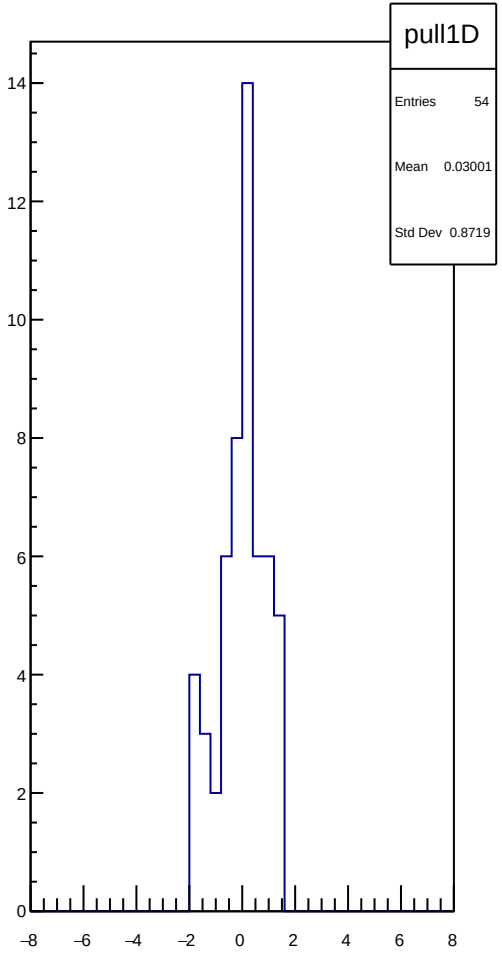

asym_us_dd_reg_correction_rms vs run
χ² / ndf 7889 / 53
p0 1127 ± 1.099
1400
1300
1200
1100
1000
900
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

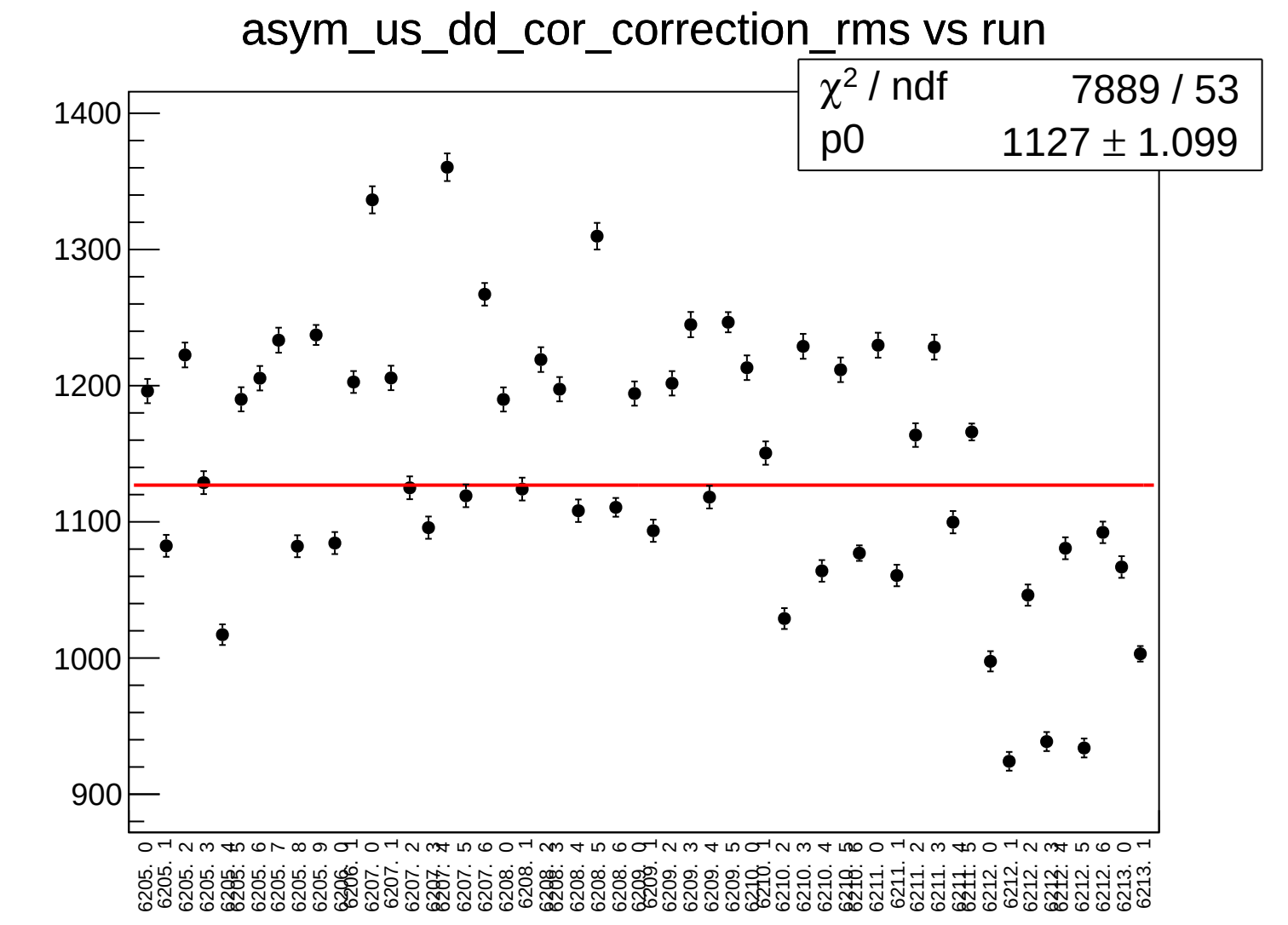

cor_asym_us_dd_mean vs run
χ² / ndf 46.87 / 53
p0 872.6 ± 1115
20000
10000
0
−10000
−20000
−30000
pull
Entries 54
Mean 67.22
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

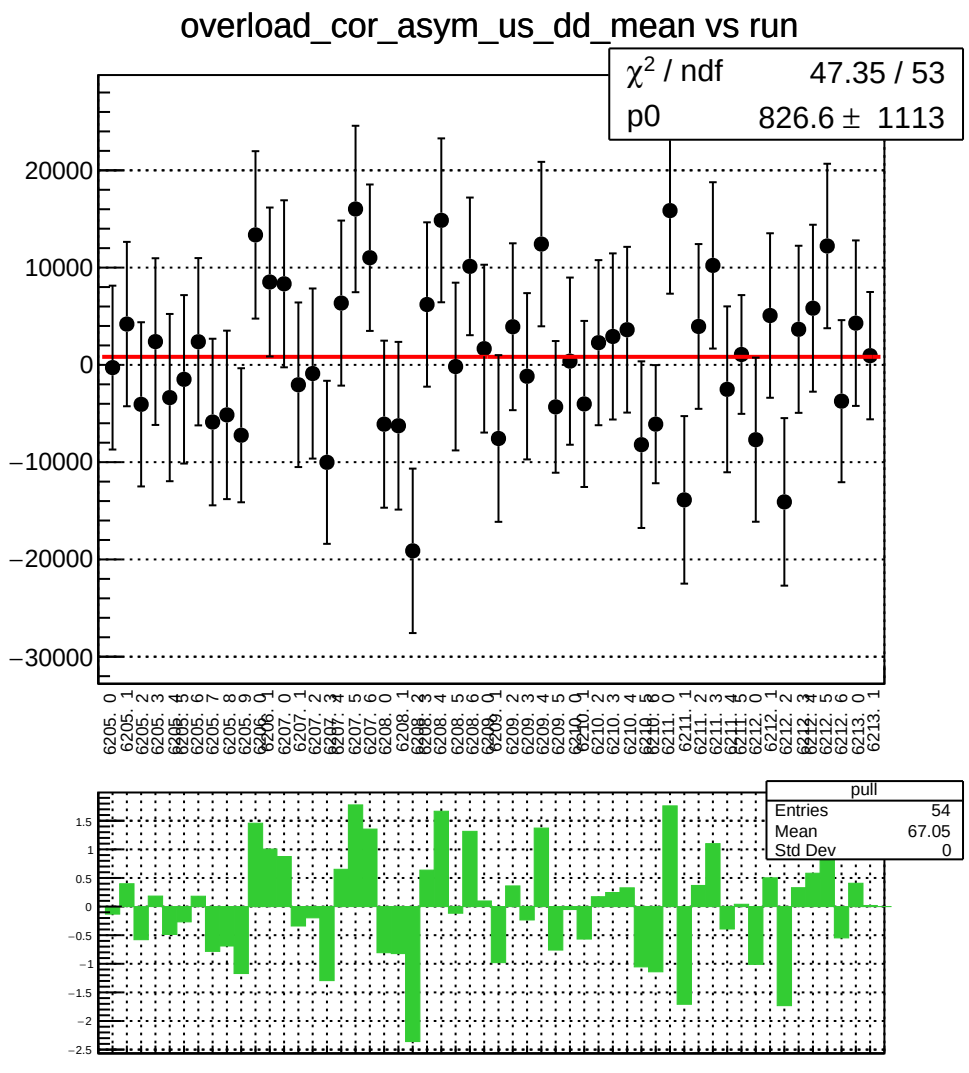

pull1D
Entries 54
Mean 0.004903
Std Dev 0.9316
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

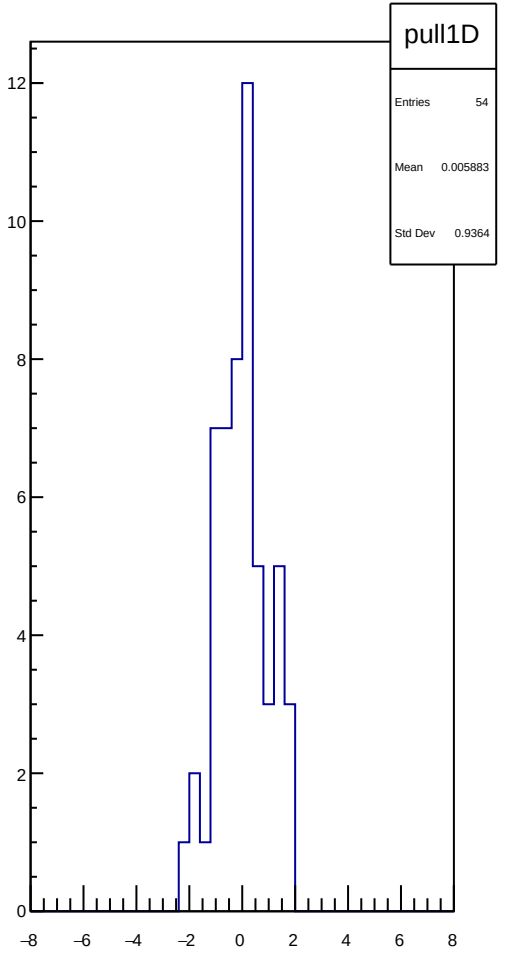

cor_asym_us_dd_rms vs run
χ² / ndf 74.67 / 53
p0 811.3 ± 0.7882
840
830
820
810
800
790
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_us_dd_cor_correction_mean vs run
χ² / ndf 41.1 / 53
p0 163.9 ± 1554
pull
Entries 54
Mean 8.13
Std Dev 0


pull1D
Entries 54
Mean 0.03001
Std Dev 0.8719


asym_us_dd_cor_correction_rms vs run
χ² / ndf 7889 / 53
p0 1127 ± 1.099
1400
1300
1200
1100
1000
900
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


overload_cor_asym_us_dd_mean vs run
χ² / ndf 47.35 / 53
p0 826.6 ± 1113
20000
10000
0
−10000
−20000
−30000
pull
Entries 54
Mean 67.05
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 54
Mean 0.005883
Std Dev 0.9364
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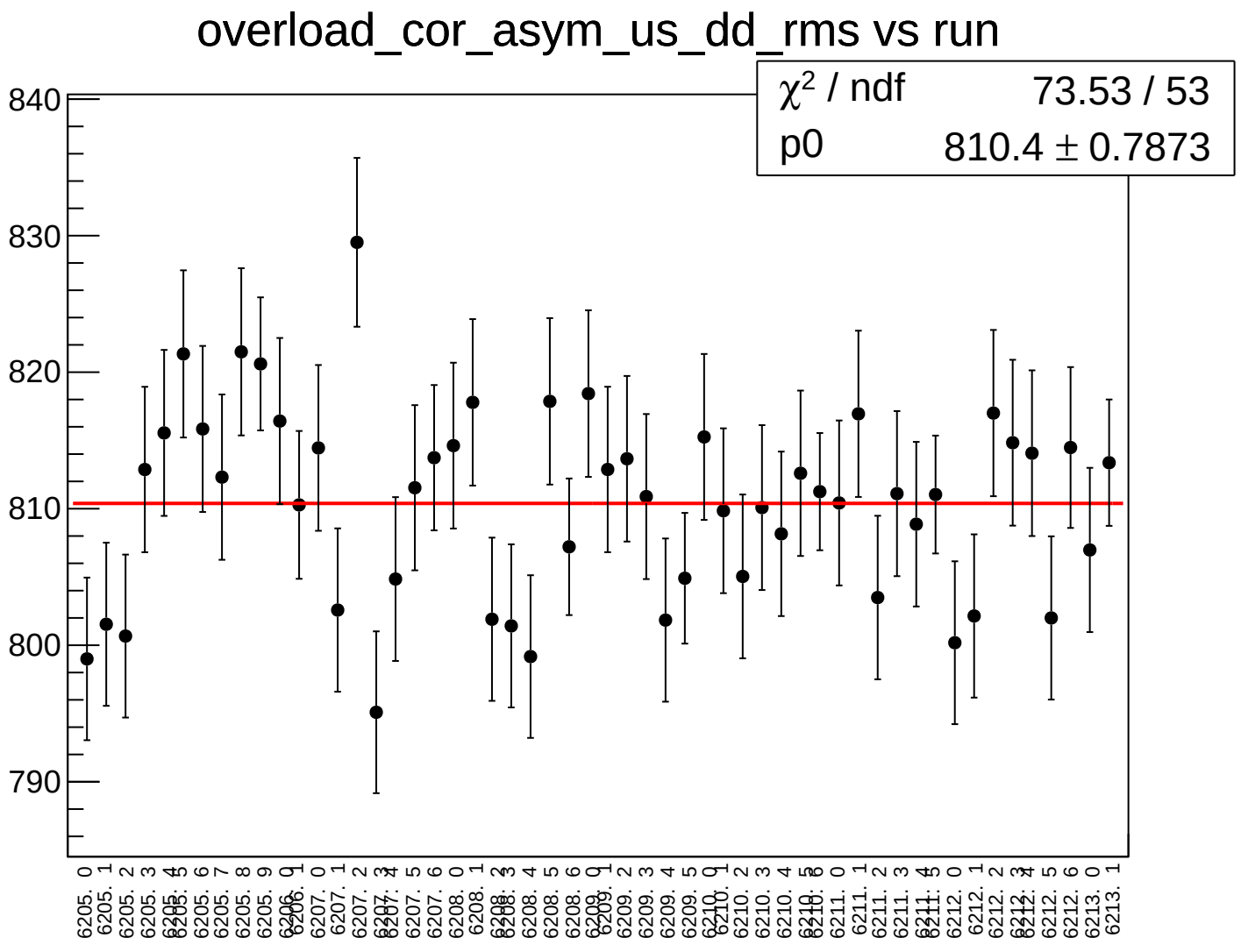
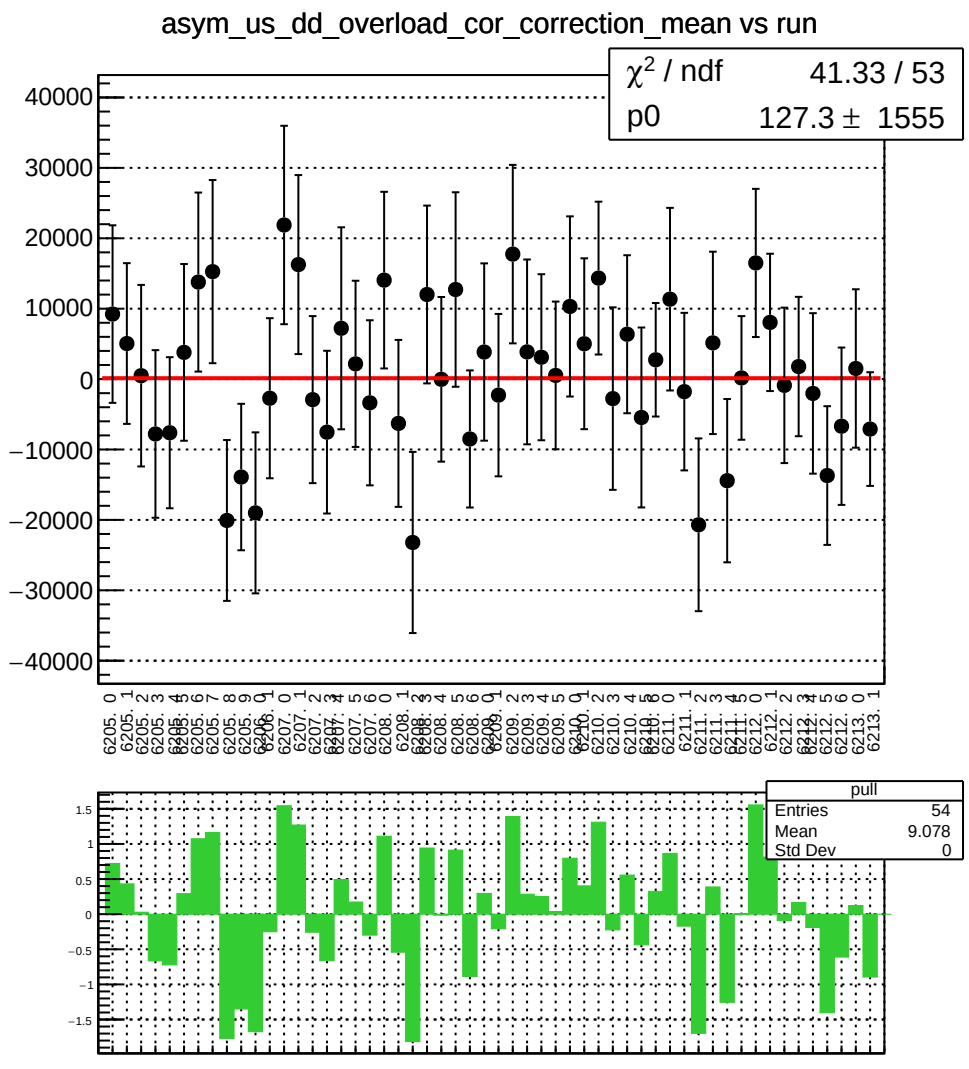
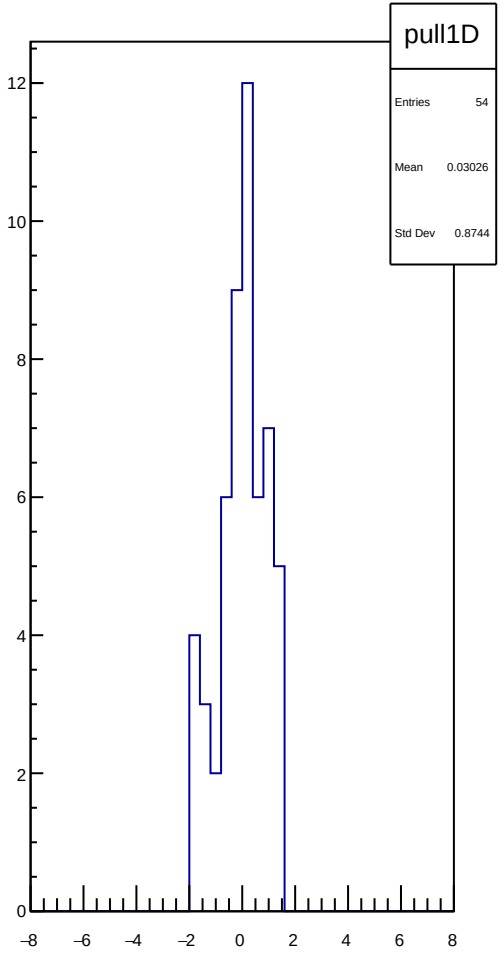
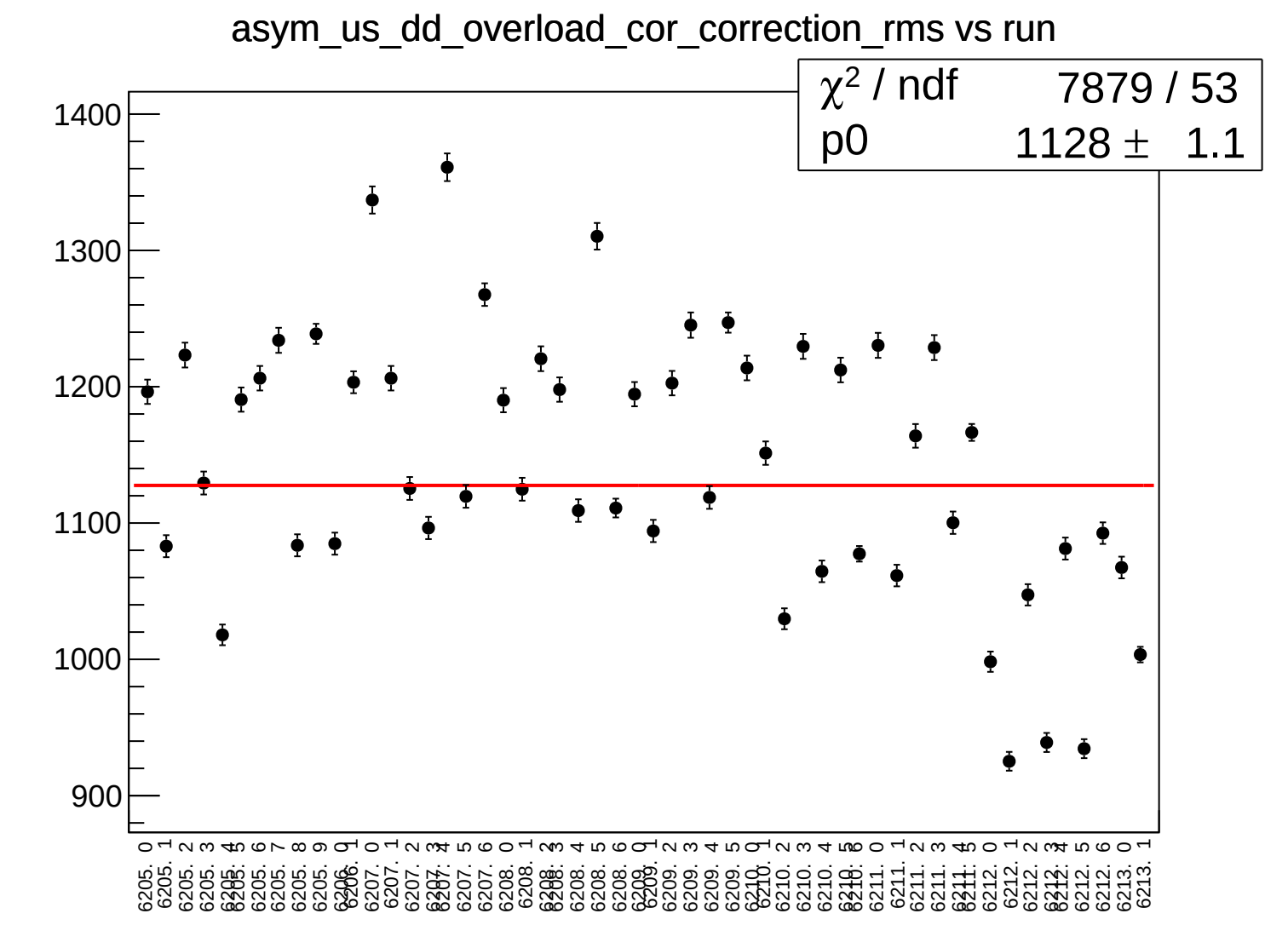
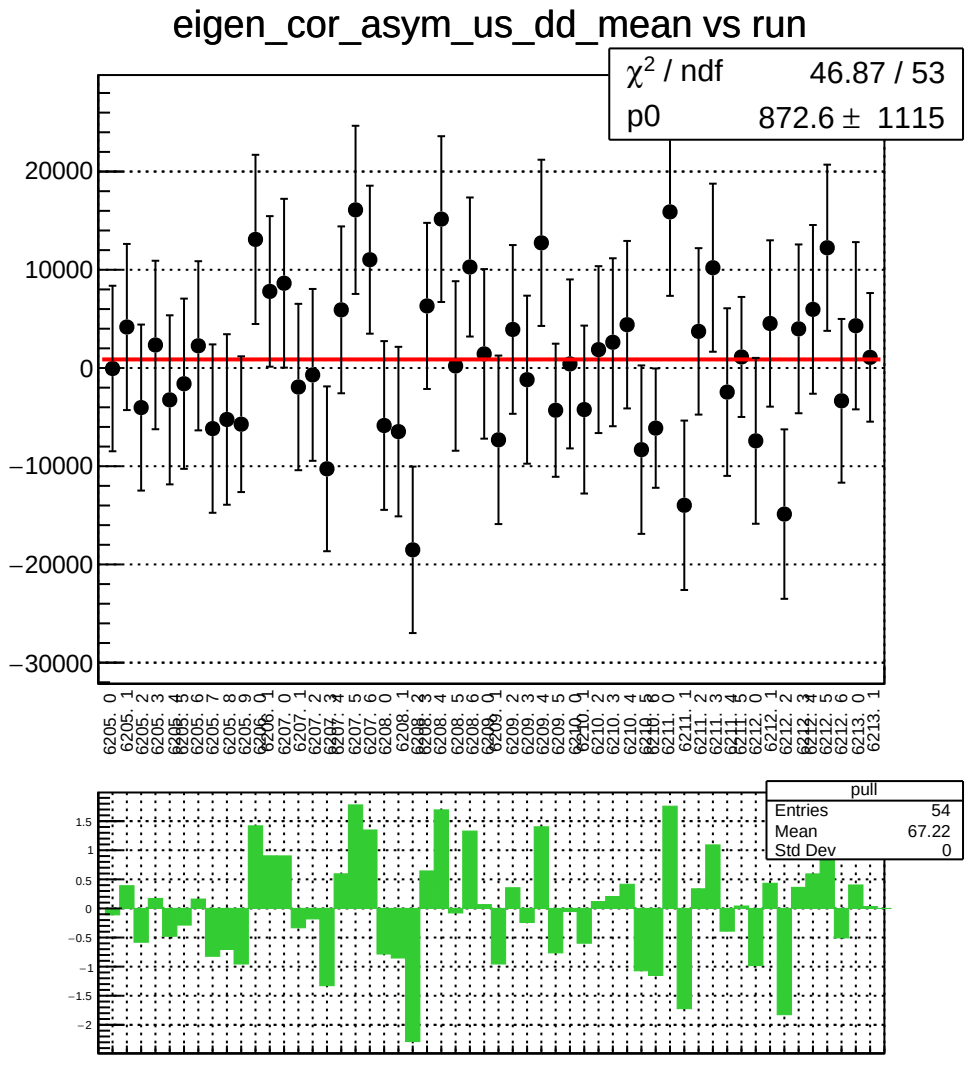
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

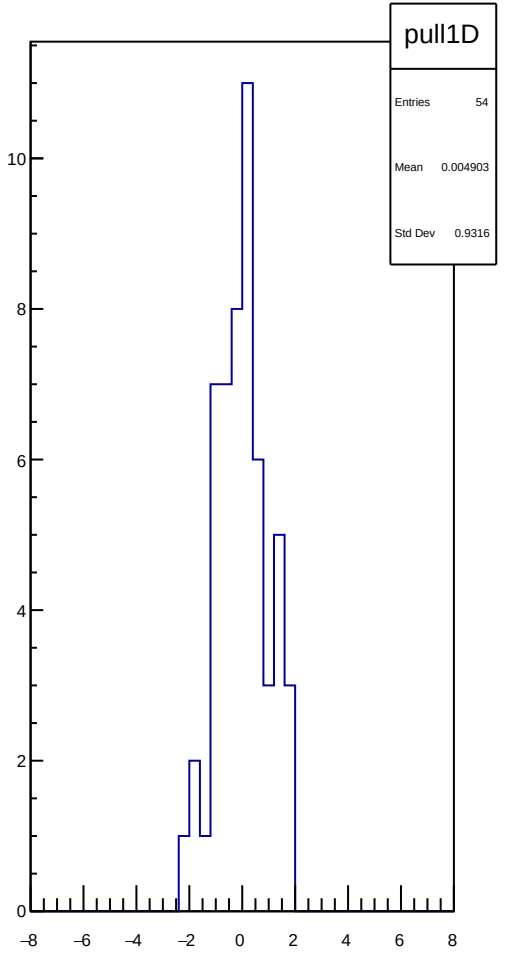

overload_cor_asym_us_dd_rms vs run
χ² / ndf 73.53 / 53
p0 810.4 ± 0.7873
840
830
820
810
800
790
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_us_dd_overload_cor_correction_mean vs run
χ² / ndf 41.33 / 53
p0 127.3 ± 1555
pull
Entries 54
Mean 9.078
Std Dev 0


pull1D
Entries 54
Mean 0.03026
Std Dev 0.8744


asym_us_dd_overload_cor_correction_rms vs run
χ² / ndf 7879 / 53
p0 1128 ± 1.1
1400
1300
1200
1100
1000
900
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


eigen_cor_asym_us_dd_mean vs run
χ² / ndf 46.87 / 53
p0 872.6 ± 1115
20000
10000
0
−10000
−20000
−30000
pull
Entries 54
Mean 67.22
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 54
Mean 0.004903
Std Dev 0.9316
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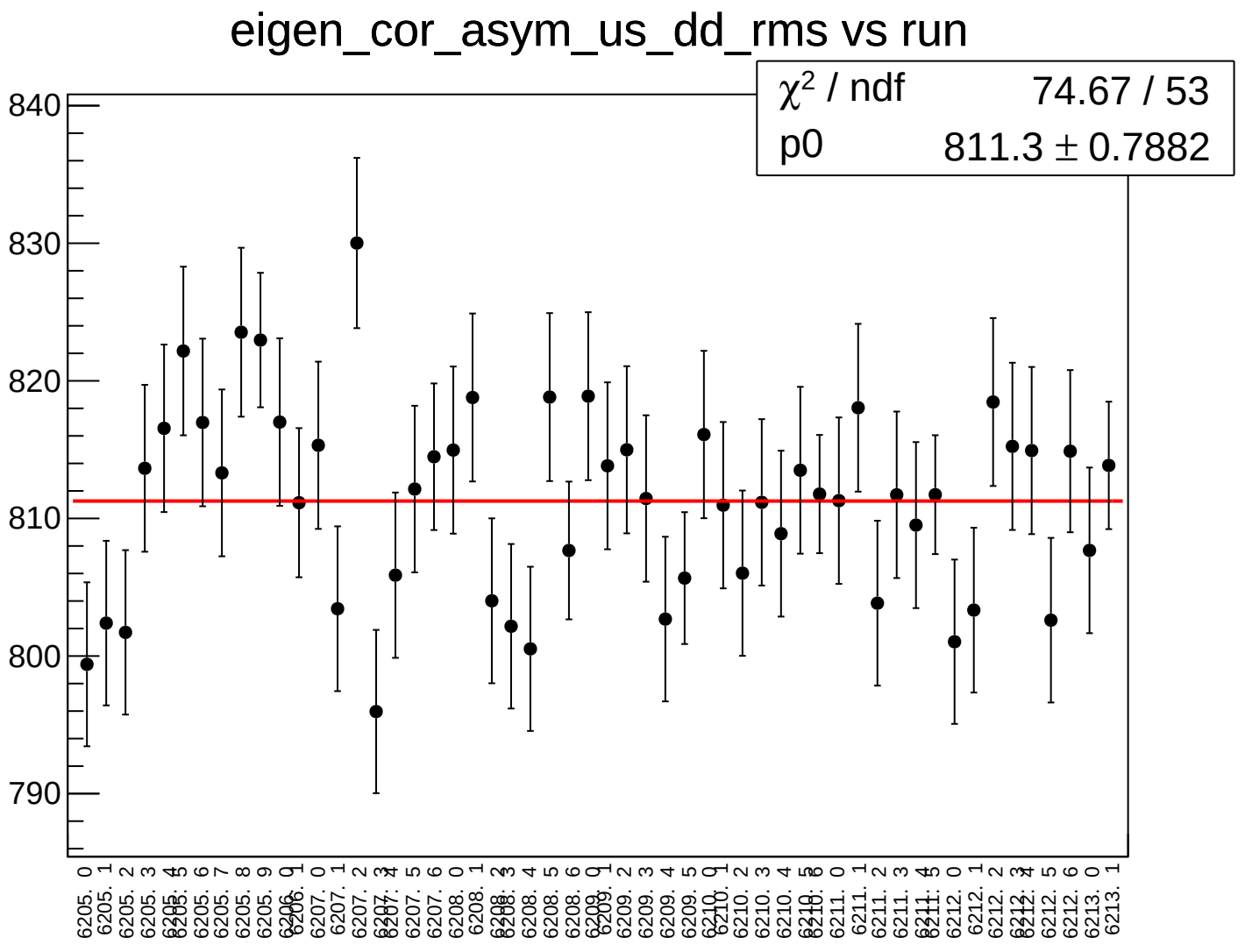
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_us_dd_rms vs run
χ² / ndf 74.67 / 53
p0 811.3 ± 0.7882
840
830
820
810
800
790
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
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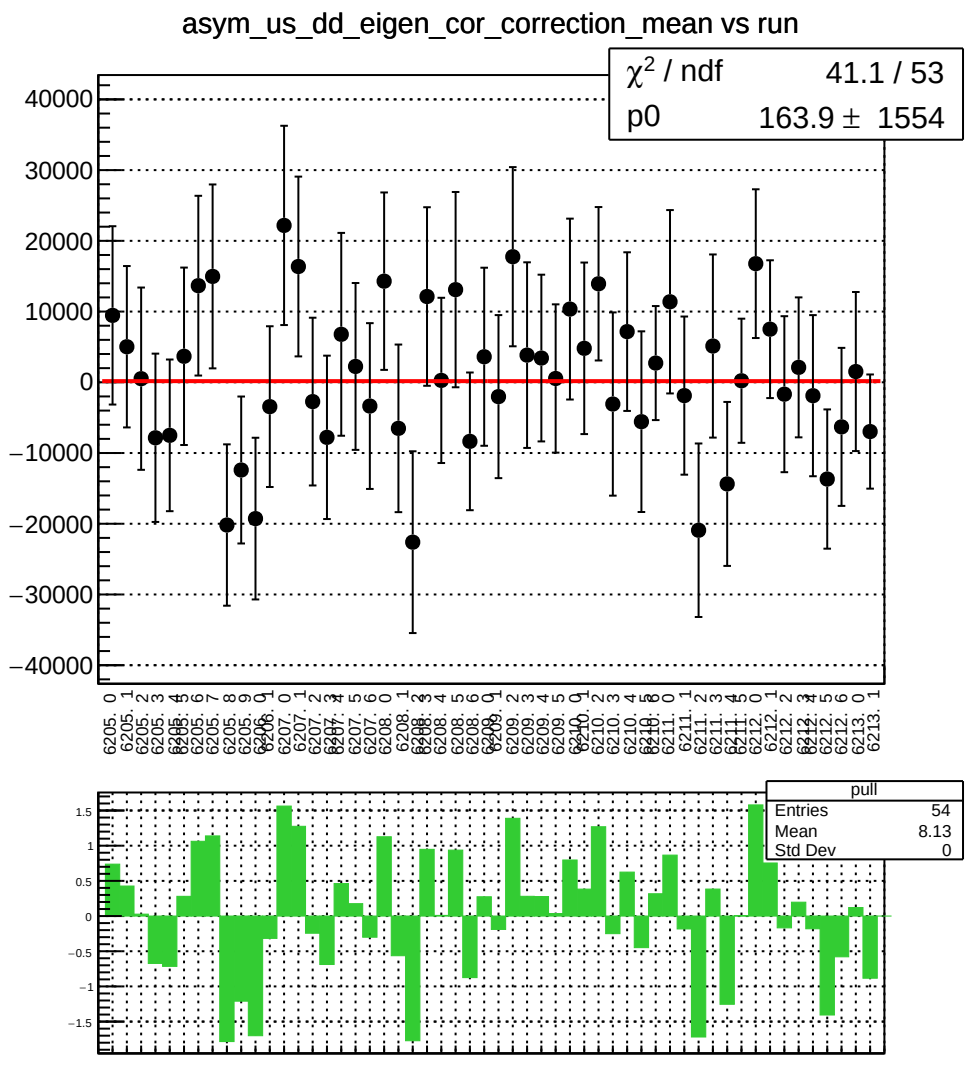
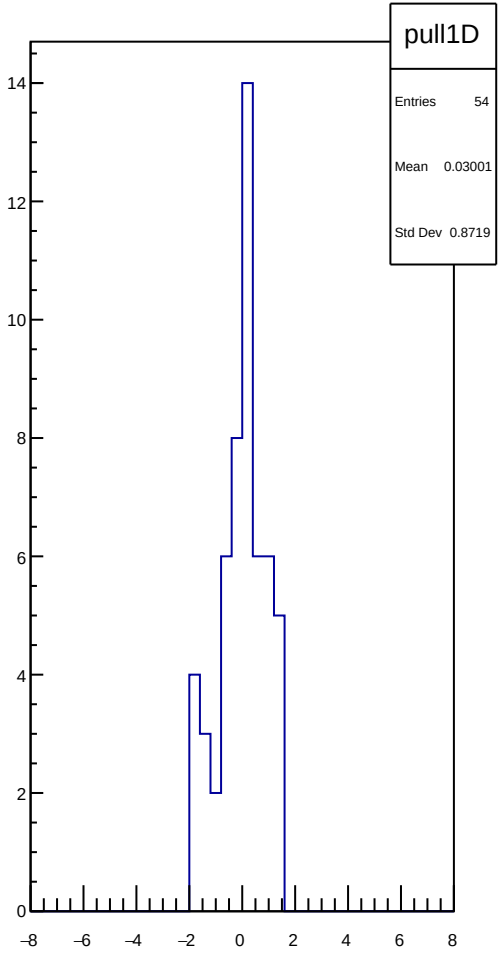
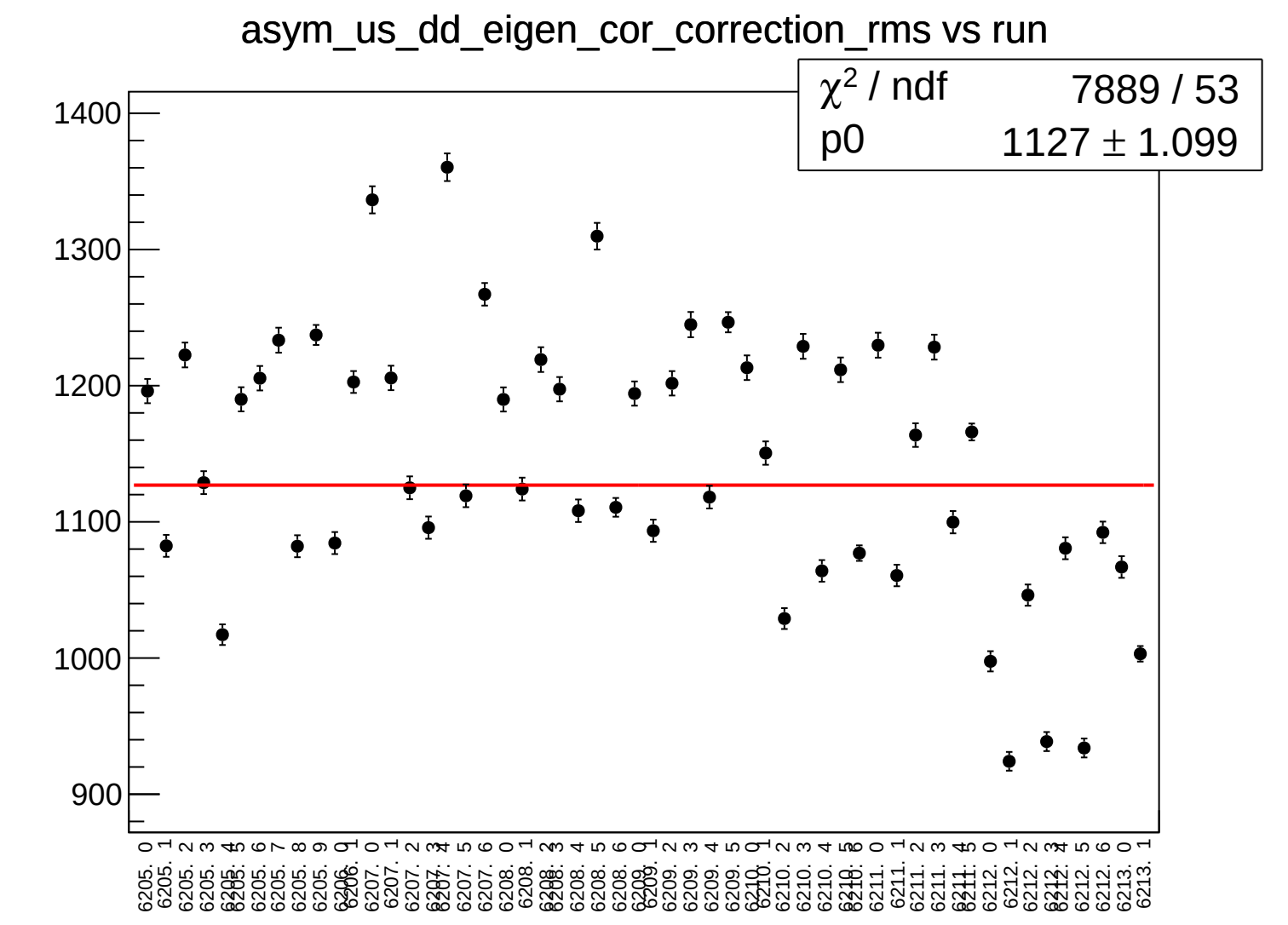
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_us_dd_eigen_cor_correction_mean vs run
χ² / ndf 41.1 / 53
p0 163.9 ± 1554
pull
Entries 54
Mean 8.13
Std Dev 0


pull1D
Entries 54
Mean 0.03001
Std Dev 0.8719


asym_us_dd_eigen_cor_correction_rms vs run
χ² / ndf 7889 / 53
p0 1127 ± 1.099
1400
1300
1200
1100
1000
900
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
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6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
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6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
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6211. 1
6211. 2
6211. 3
6211. 4
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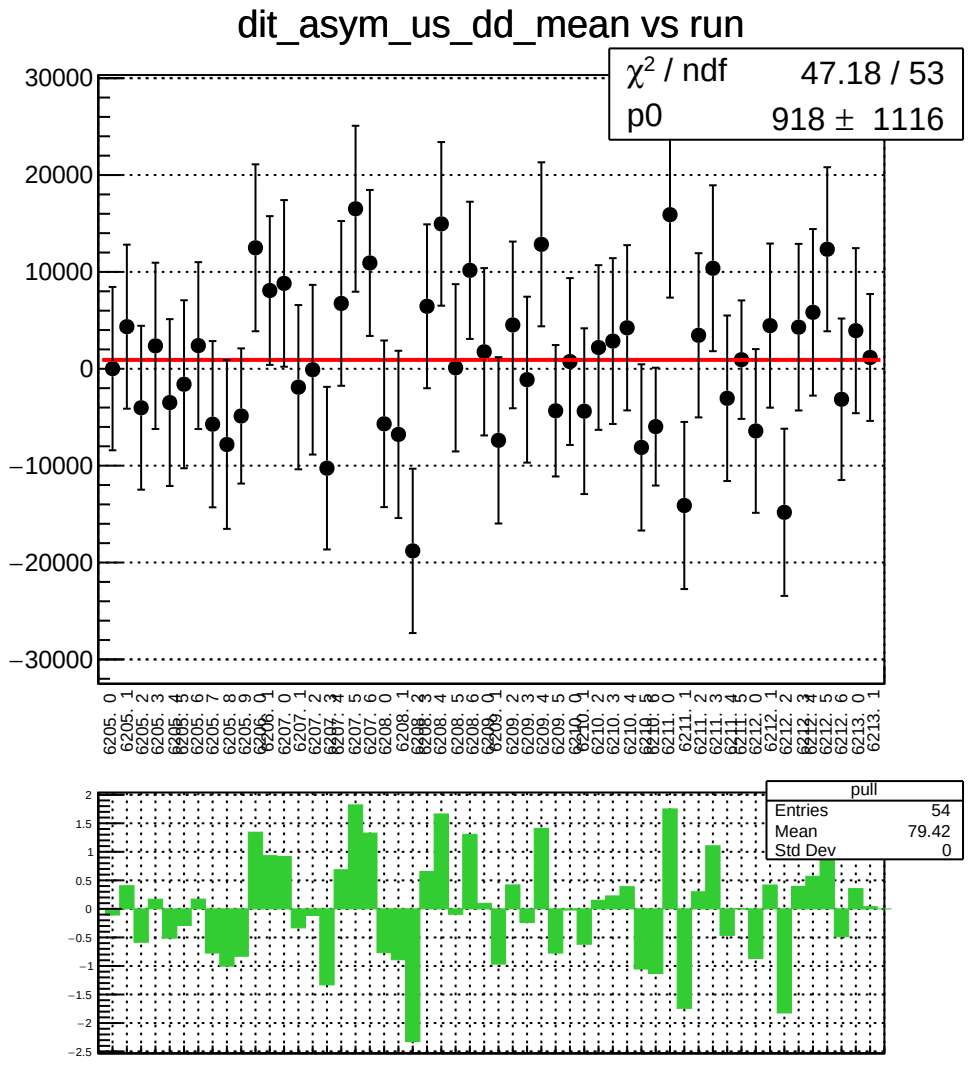
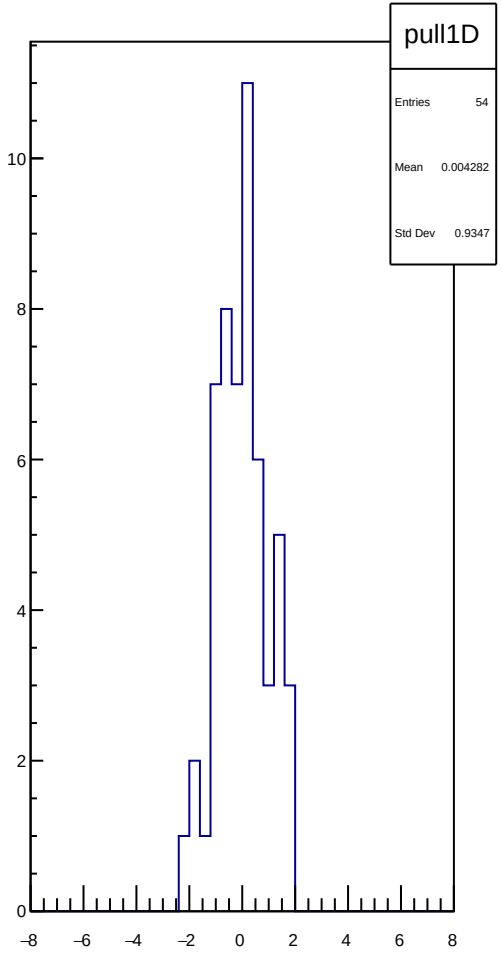
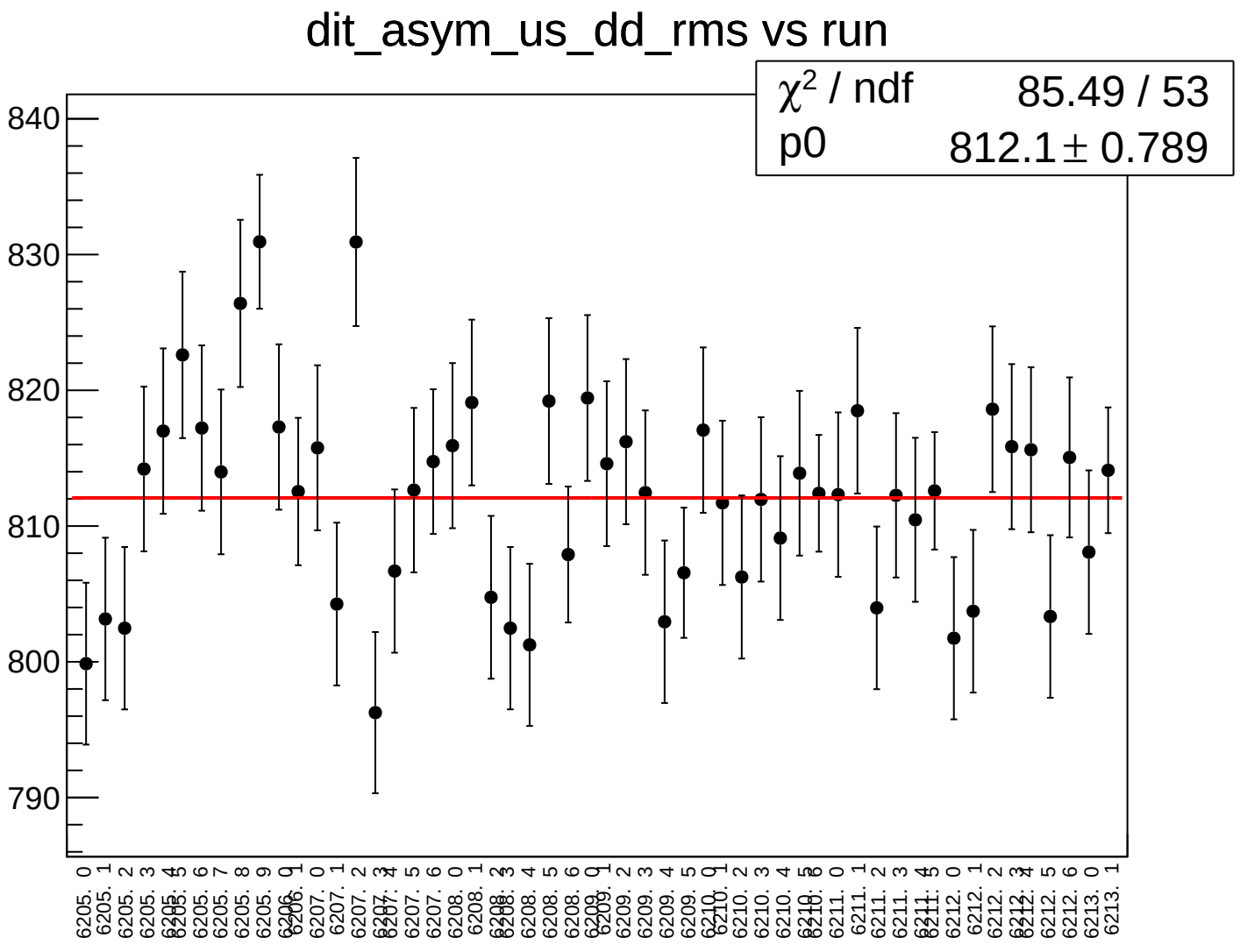
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


dit_asym_us_dd_mean vs run
χ² / ndf 47.18 / 53
p0 918 ± 1116
pull
Entries 54
Mean 79.42
Std Dev 0


pull1D
Entries 54
Mean 0.004282
Std Dev 0.9347


dit_asym_us_dd_rms vs run
χ² / ndf 85.49 / 53
p0 812.1 ± 0.789
840
830
820
810
800
790
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
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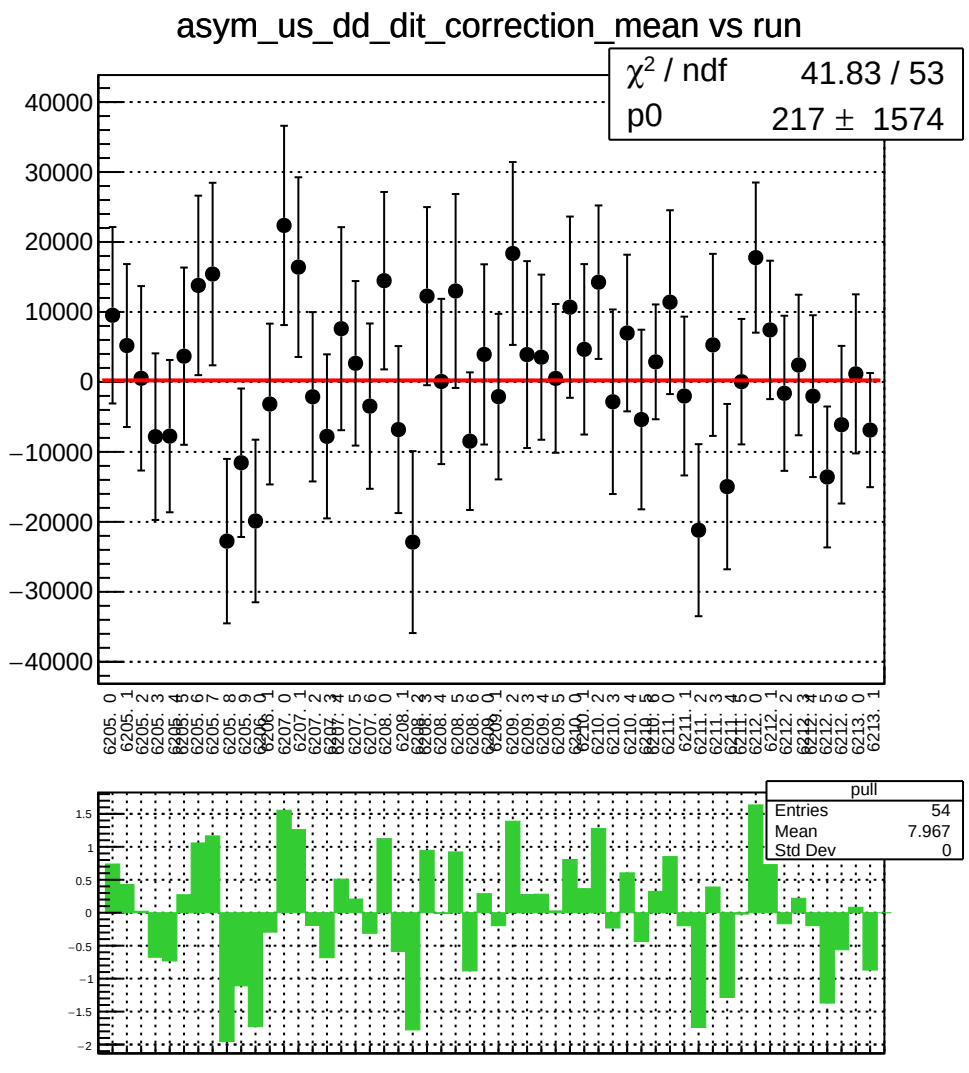
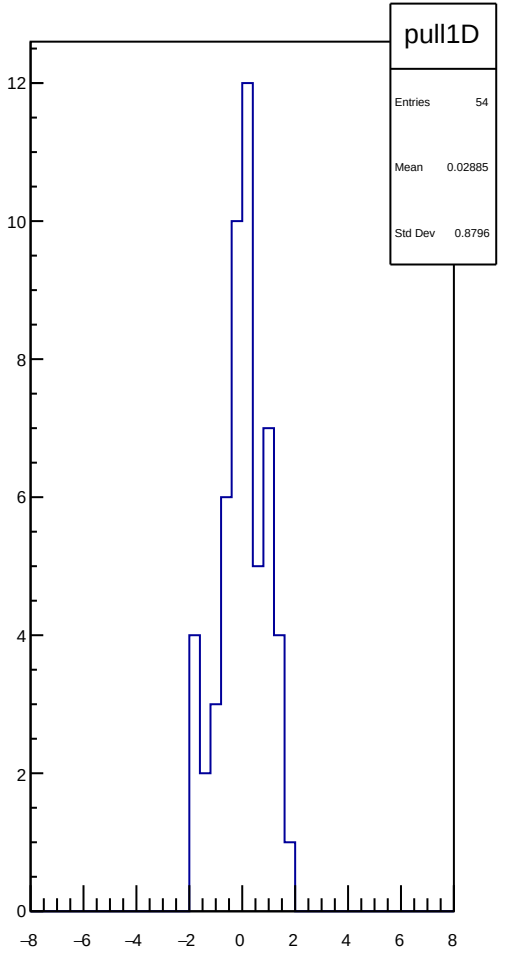
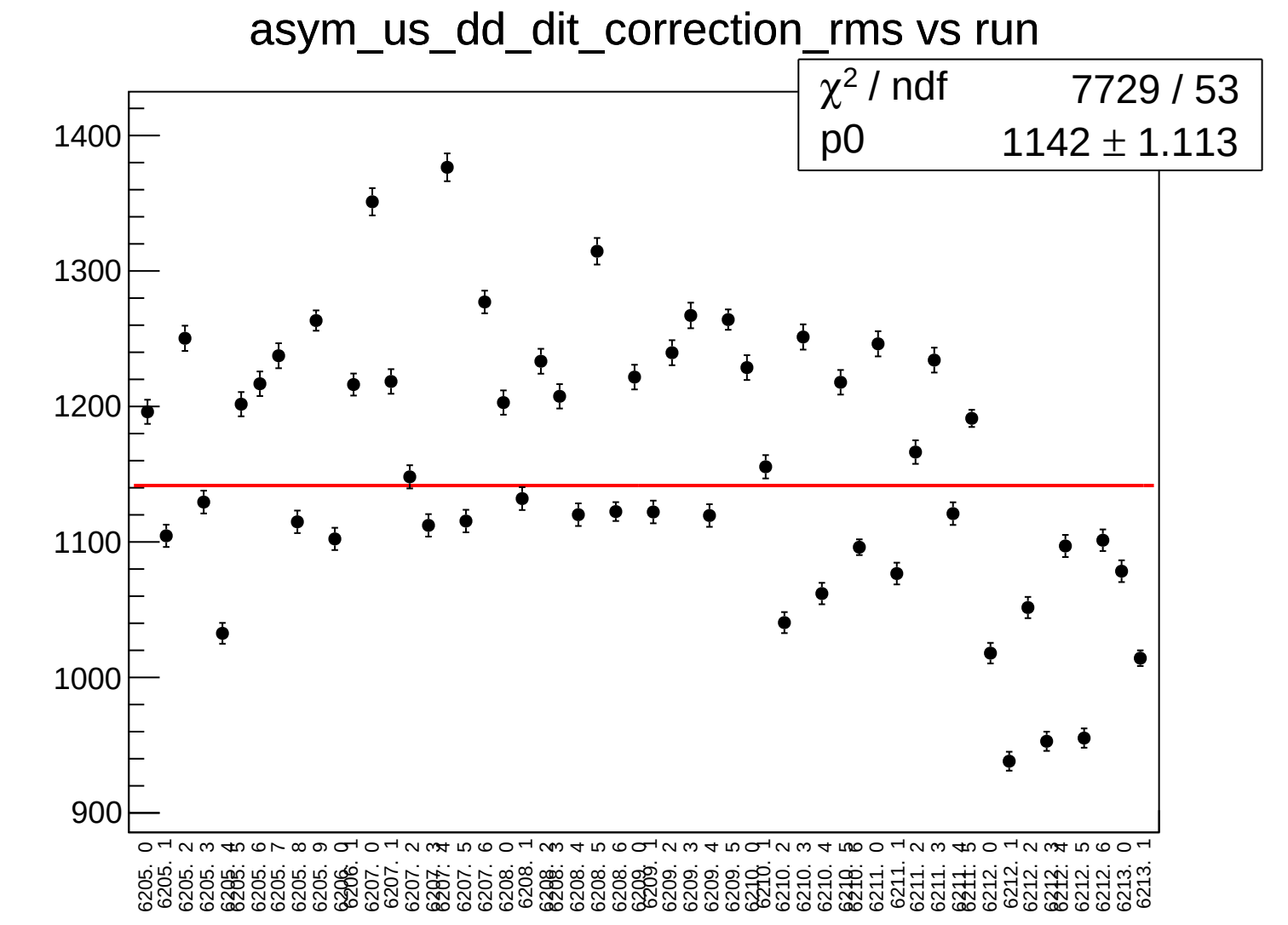
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_us_dd_dit_correction_mean vs run
χ² / ndf 41.83 / 53
p0 217 ± 1574
pull
Entries 54
Mean 7.967
Std Dev 0


pull1D
Entries 54
Mean 0.02885
Std Dev 0.8796


asym_us_dd_dit_correction_rms vs run
χ² / ndf 7729 / 53
p0 1142 ± 1.113
1400
1300
1200
1100
1000
900
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
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6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
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6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
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6211. 1
6211. 2
6211. 3
6211. 4
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6212. 4
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6212. 6
6213. 0
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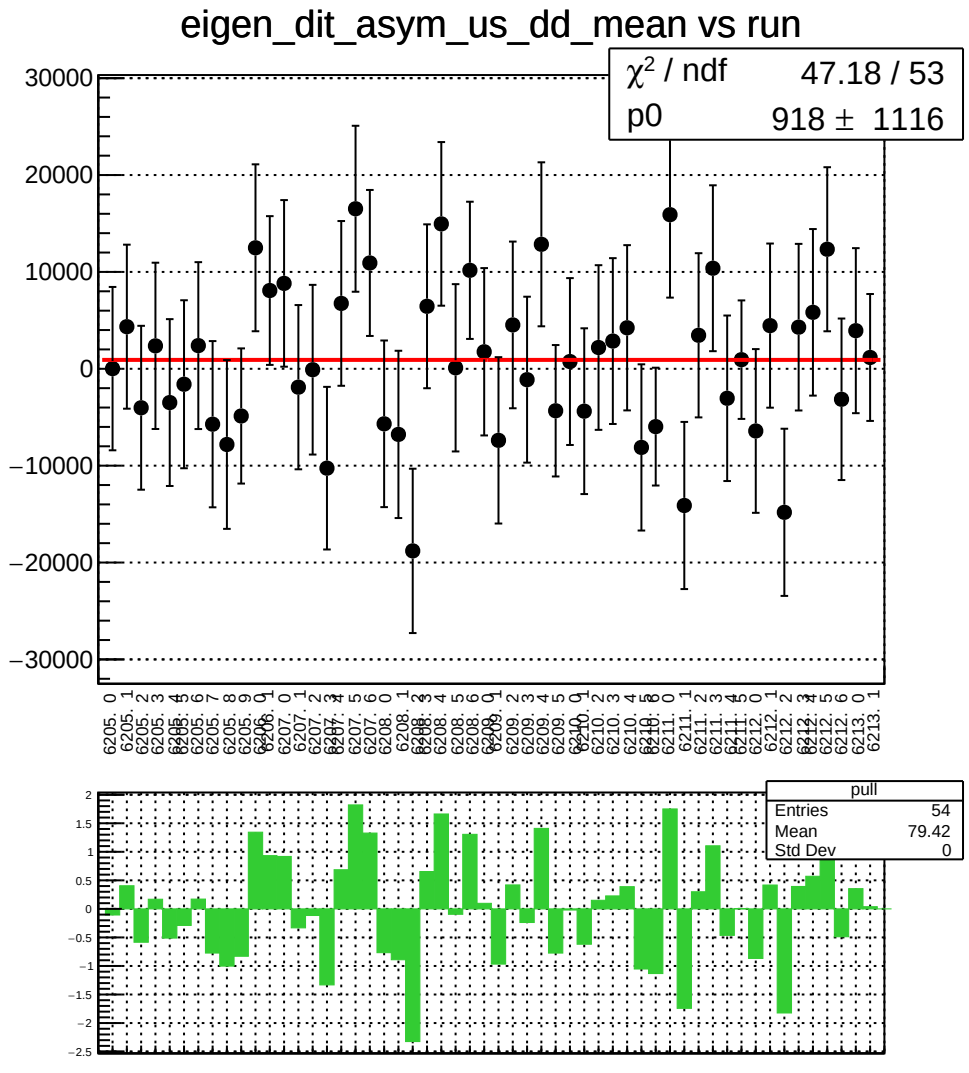
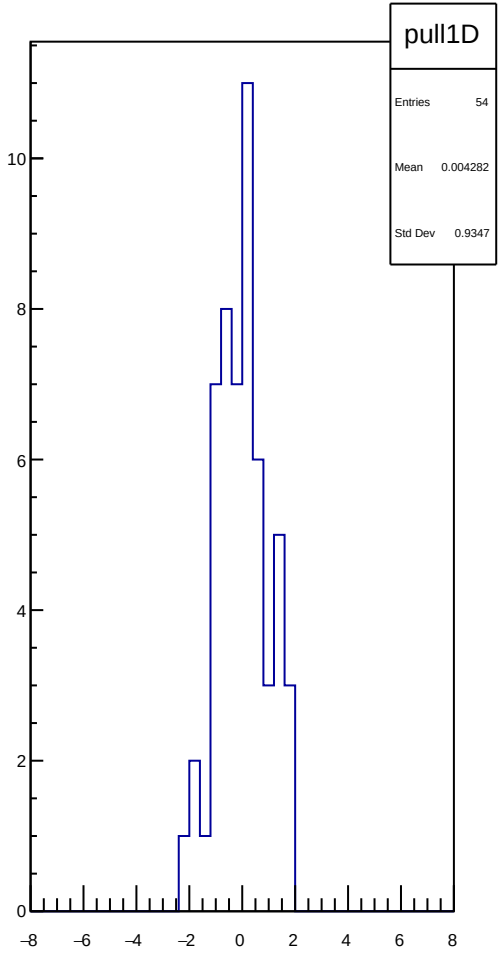
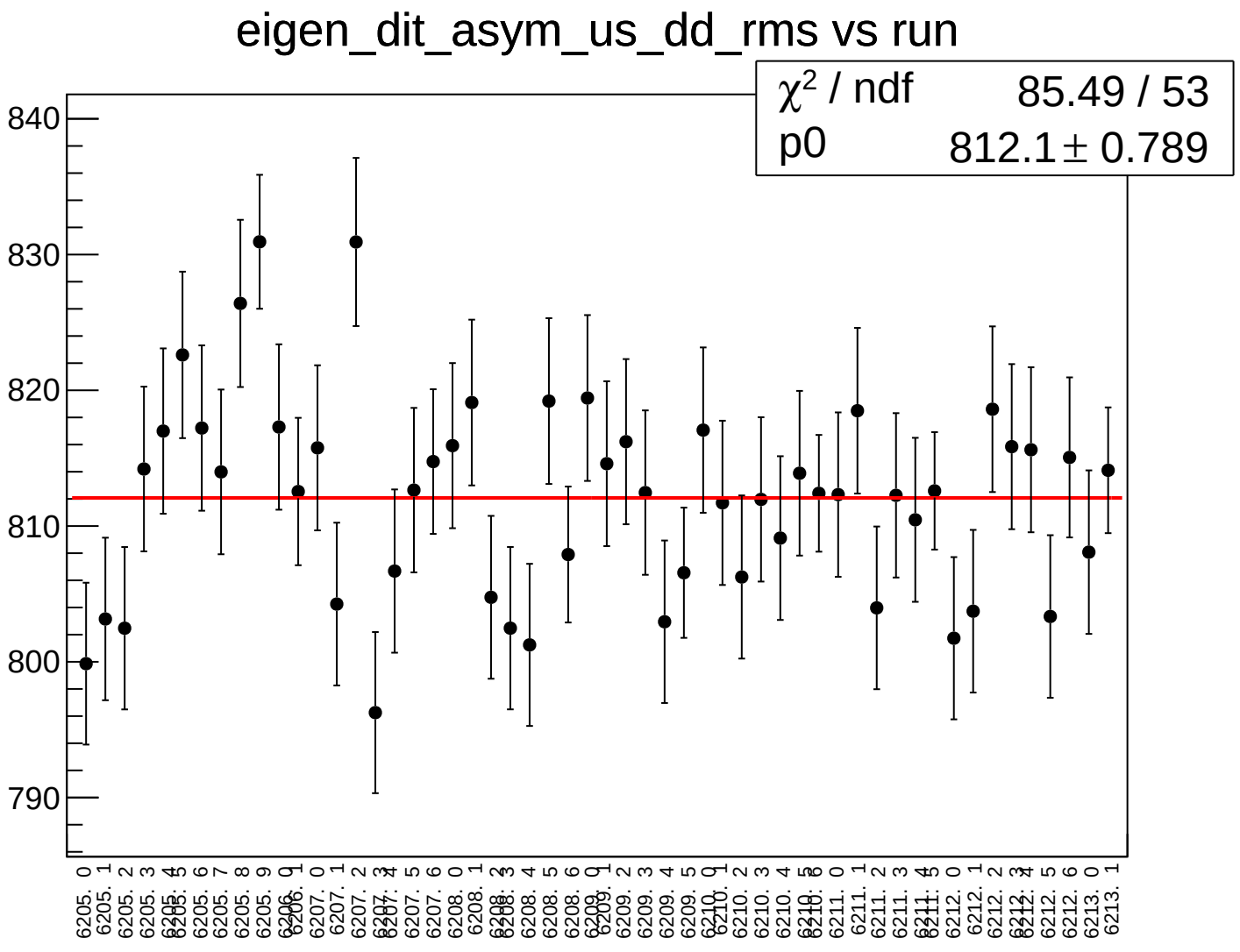

eigen_dit_asym_us_dd_mean vs run
χ² / ndf 47.18 / 53
p0 918 ± 1116
pull
Entries 54
Mean 79.42
Std Dev 0


pull1D
Entries 54
Mean 0.004282
Std Dev 0.9347


eigen_dit_asym_us_dd_rms vs run
χ² / ndf 85.49 / 53
p0 812.1 ± 0.789
840
830
820
810
800
790
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
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6206. 0
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6210. 2
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6210. 4
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6210. 6
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6211. 1
6211. 2
6211. 3
6211. 4
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6212. 6
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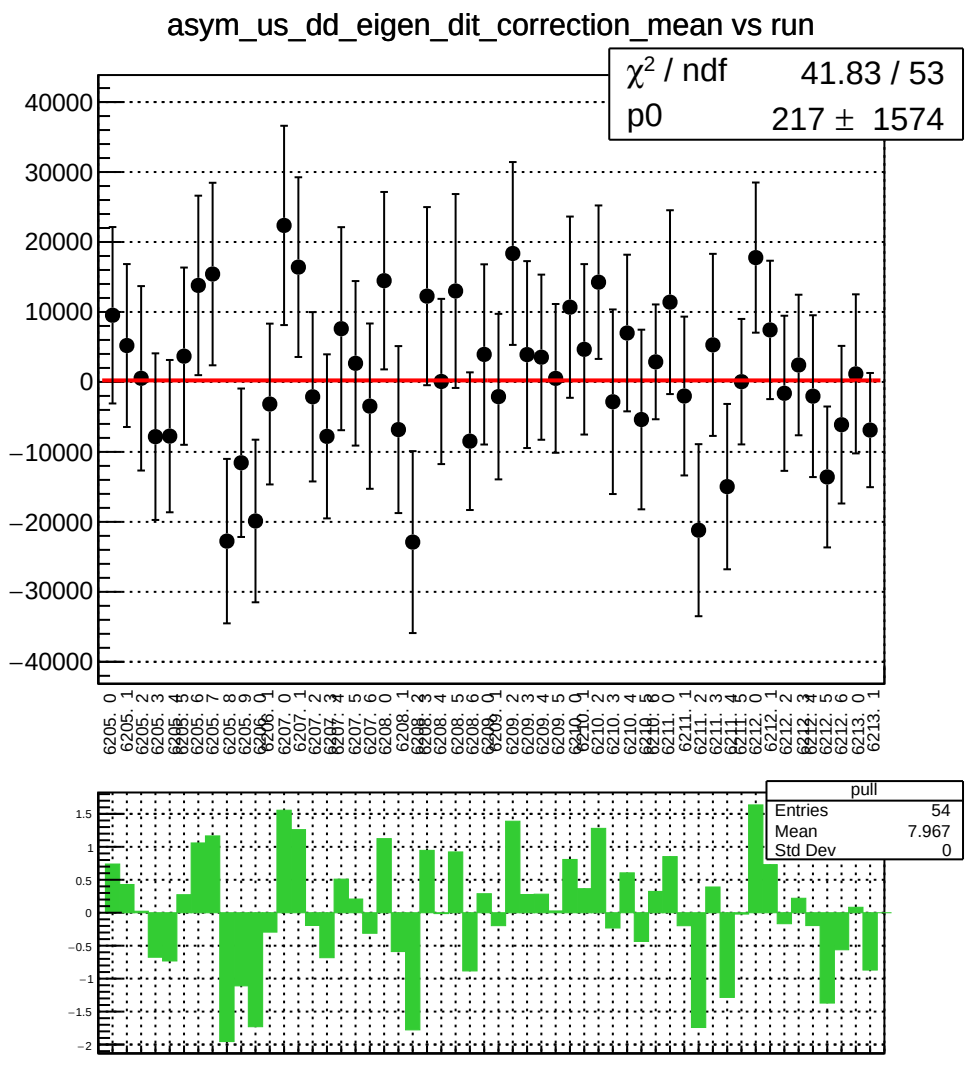
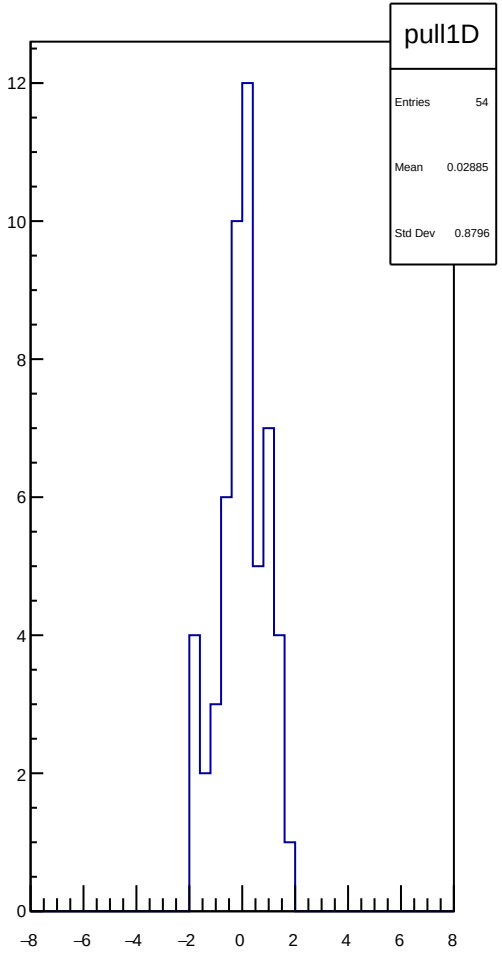
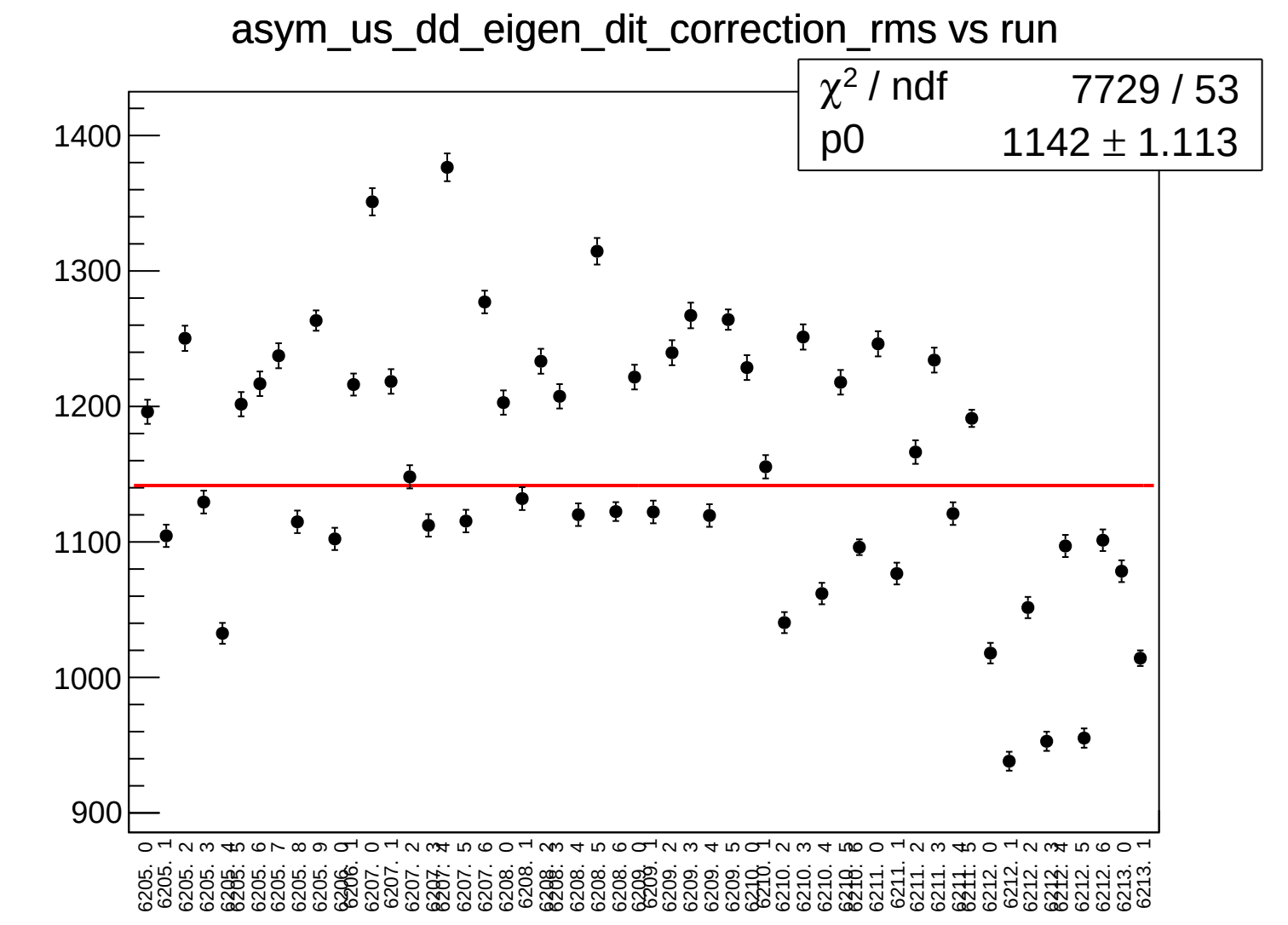
6213. 1


asym_us_dd_eigen_dit_correction_mean vs run
χ² / ndf 41.83 / 53
p0 217 ± 1574
pull
Entries 54
Mean 7.967
Std Dev 0


pull1D
Entries 54
Mean 0.02885
Std Dev 0.8796


asym_us_dd_eigen_dit_correction_rms vs run
χ² / ndf 7729 / 53
p0 1142 ± 1.113
1400
1300
1200
1100
1000
900
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
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6208. 4
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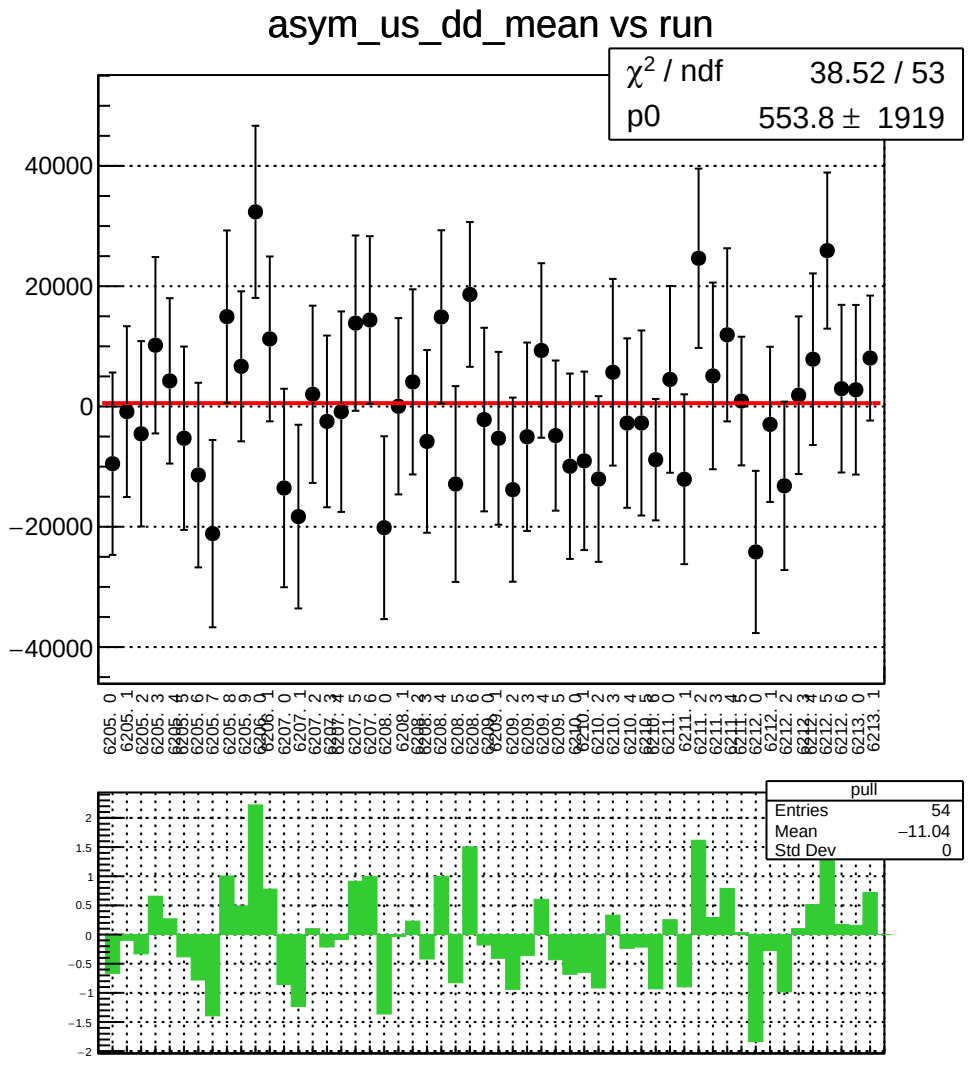
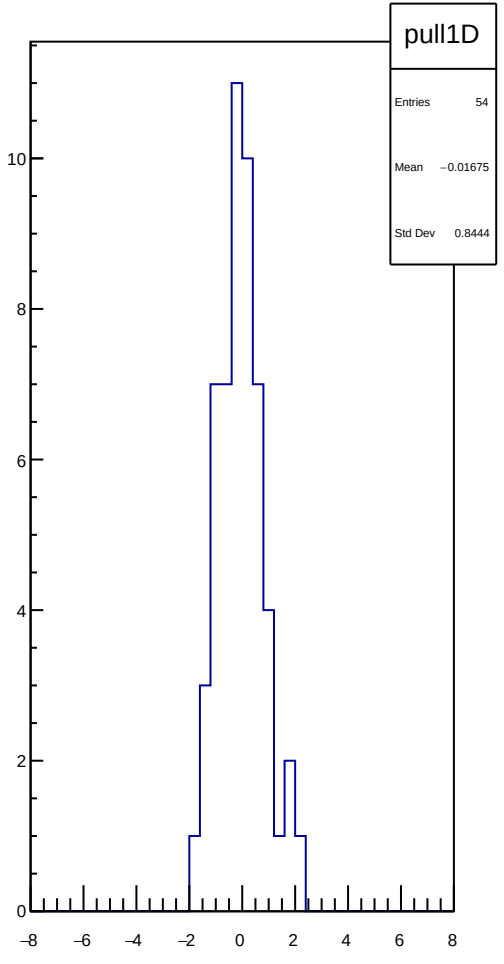
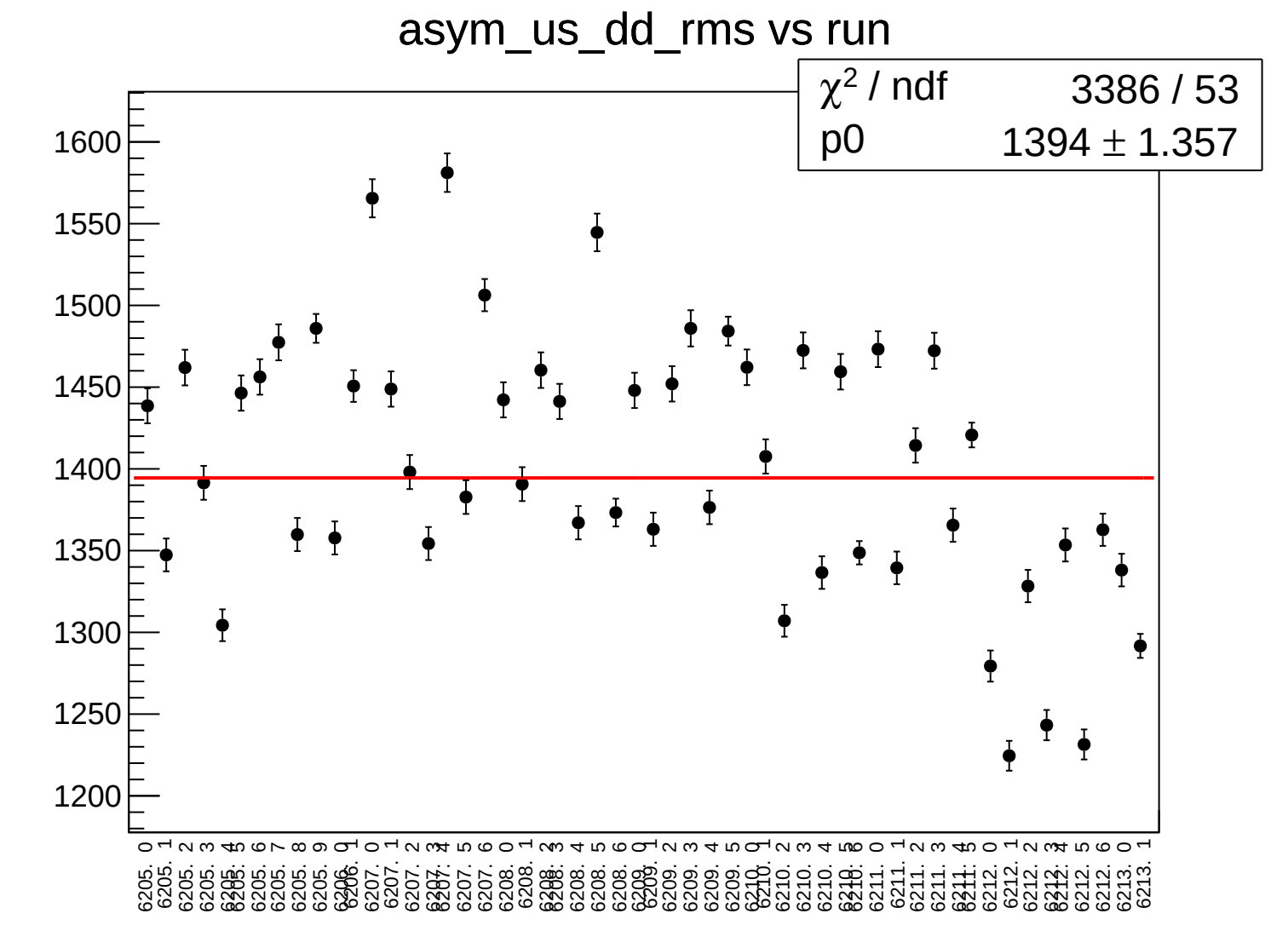
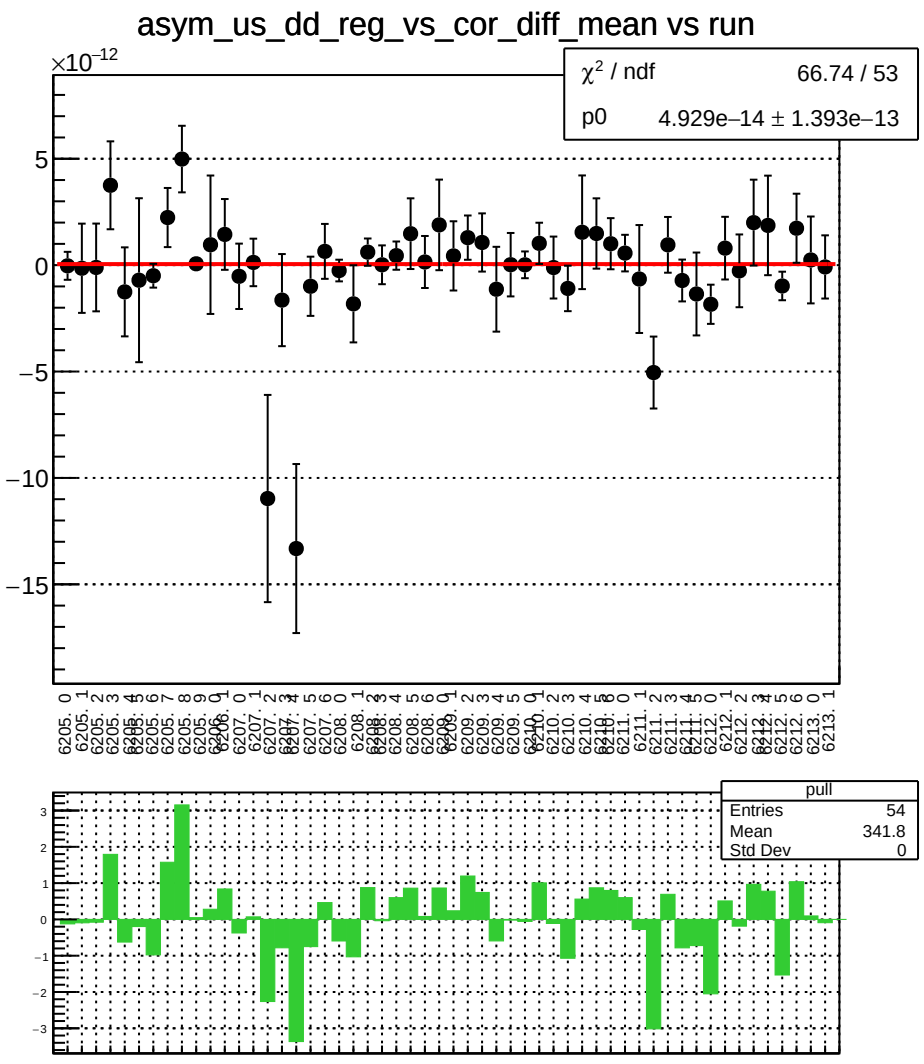
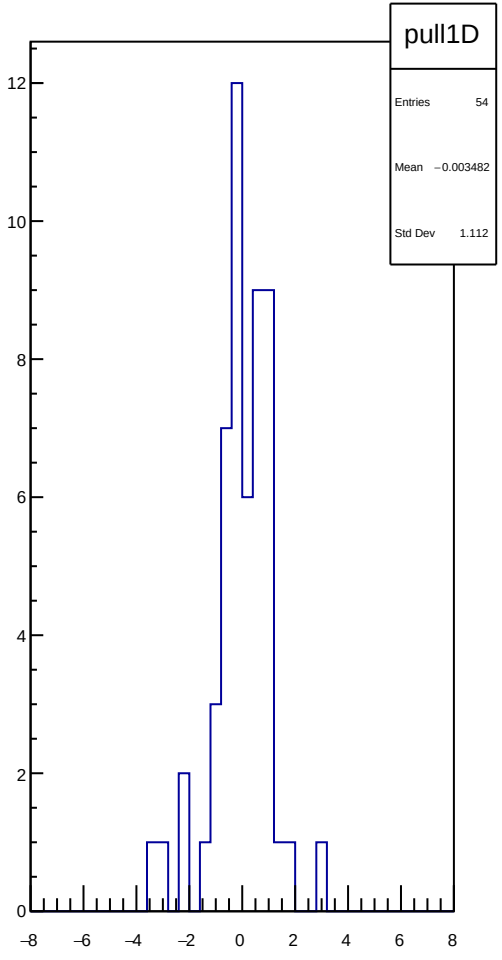
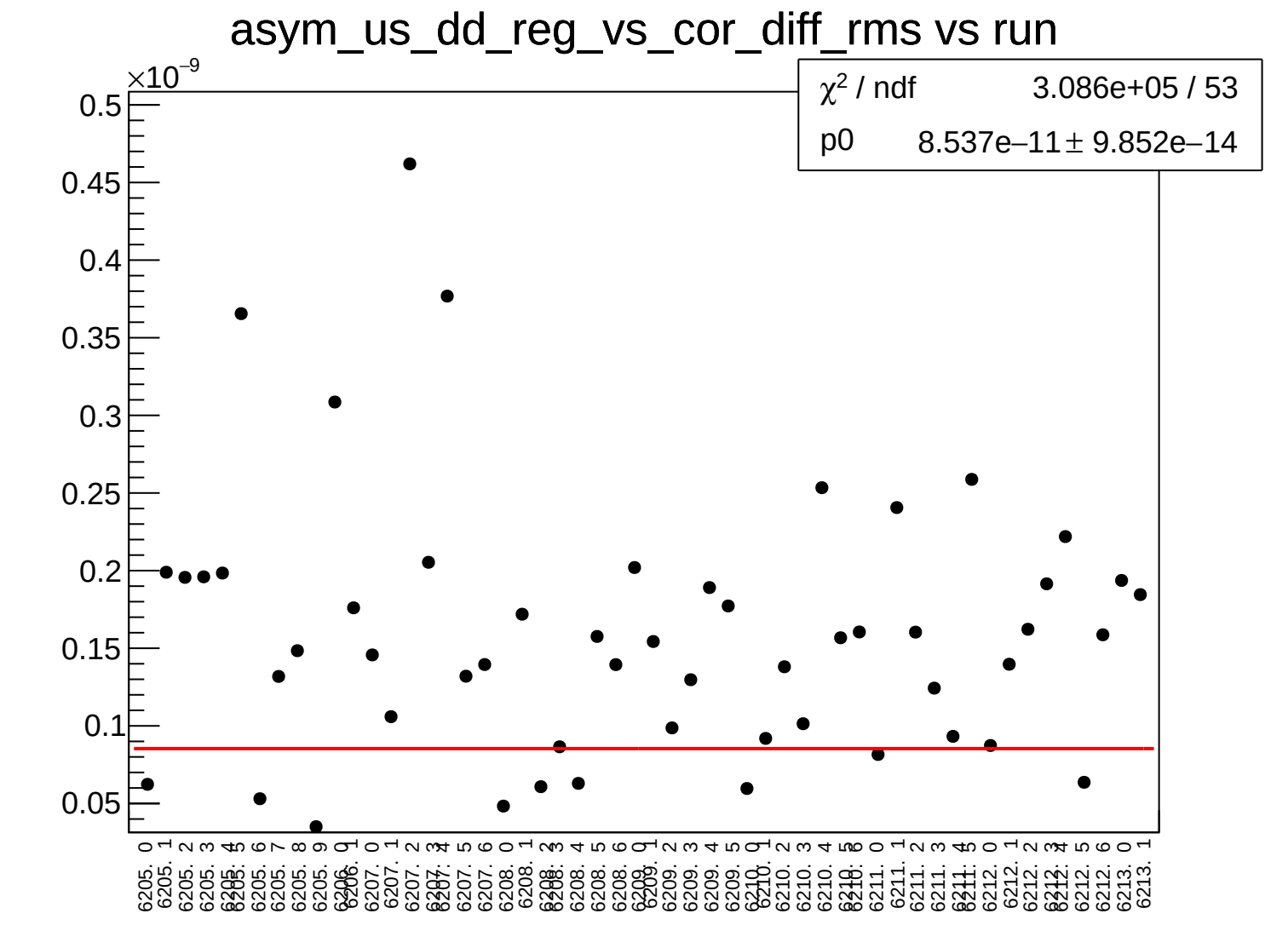

asym_us_dd_mean vs run
χ² / ndf 38.52 / 53
p0 553.8 ± 1919
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −11.04
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

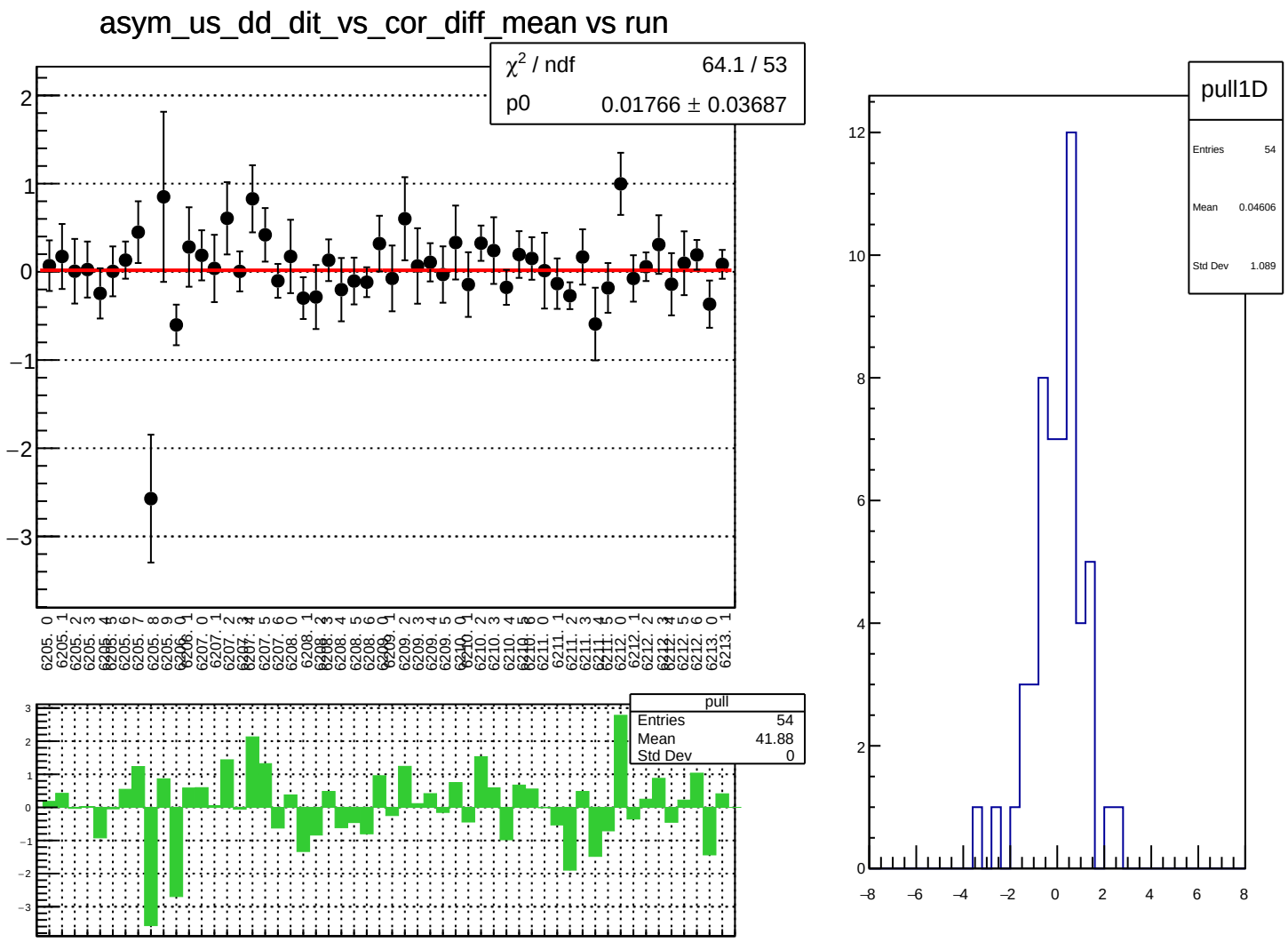

pull1D
Entries 54
Mean −0.01675
Std Dev 0.8444
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

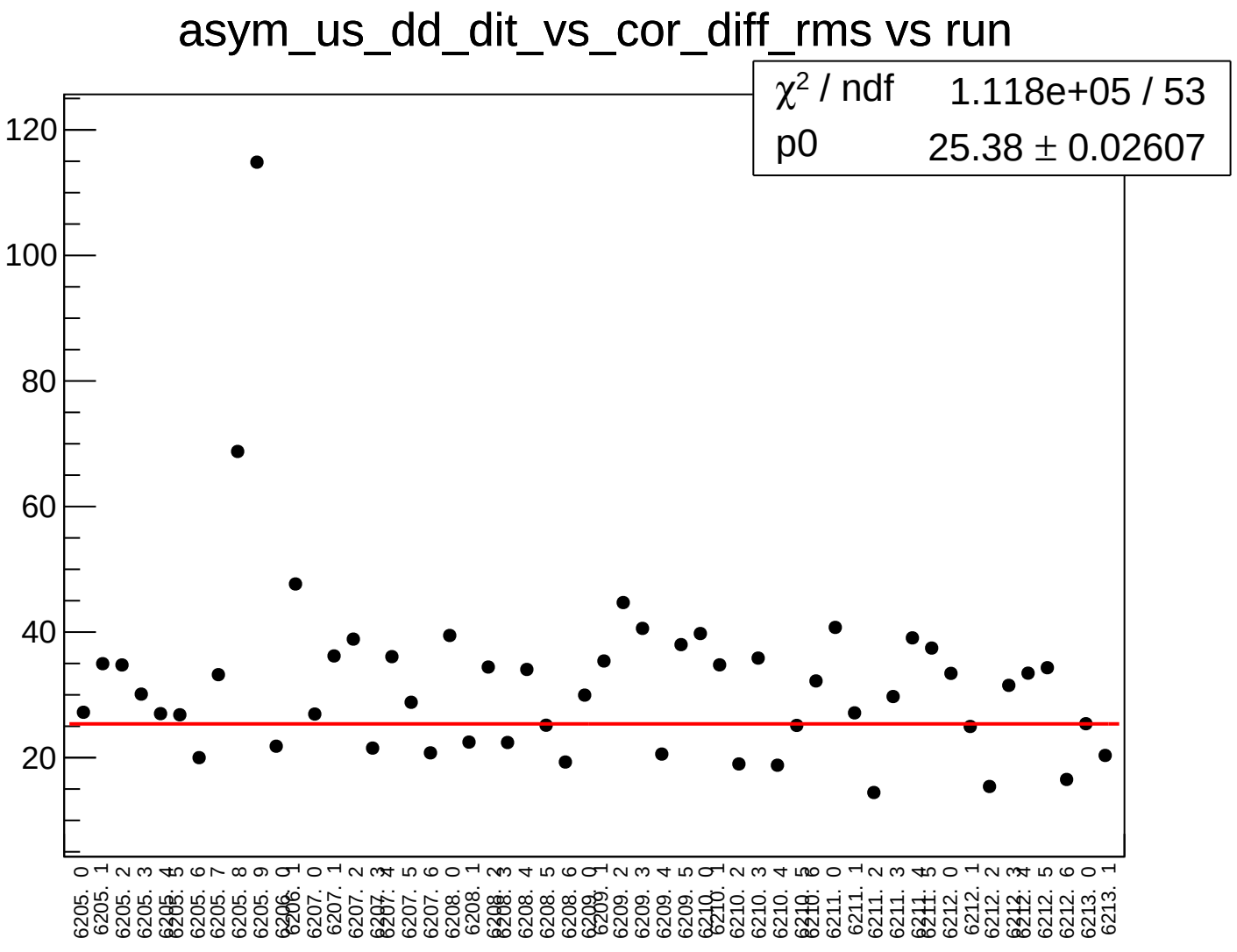

asym_us_dd_rms vs run
χ² / ndf 3386 / 53
p0 1394 ± 1.357
1600
1550
1500
1450
1400
1350
1300
1250
1200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

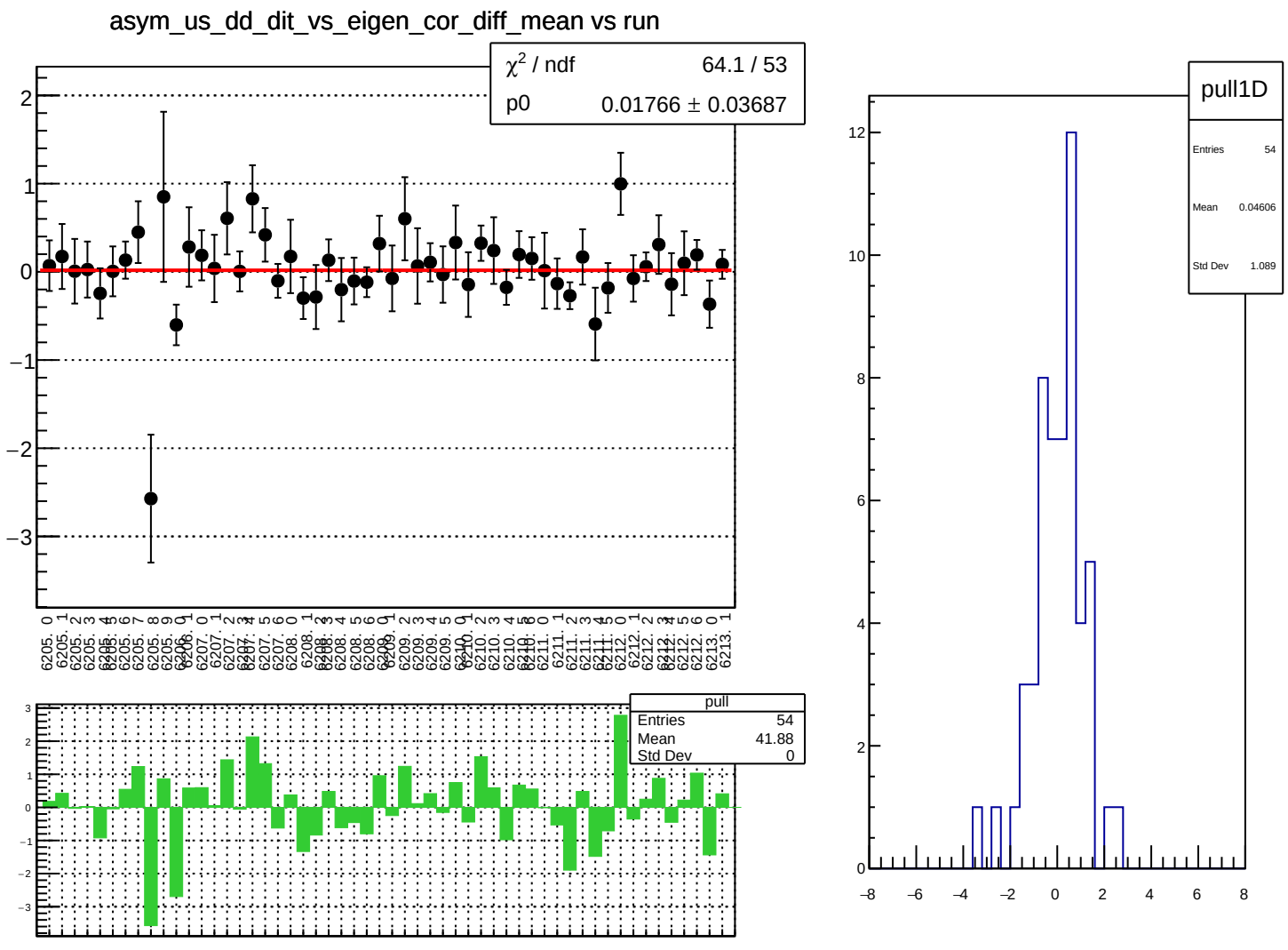

asym_us_dd_reg_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 66.74 / 53
p0 4.929e−14 ± 1.393e−13
5
0
−5
−10
−15
pull
Entries 54
Mean 341.8
Std Dev 0
3
2
1
0
−1
−2
−3

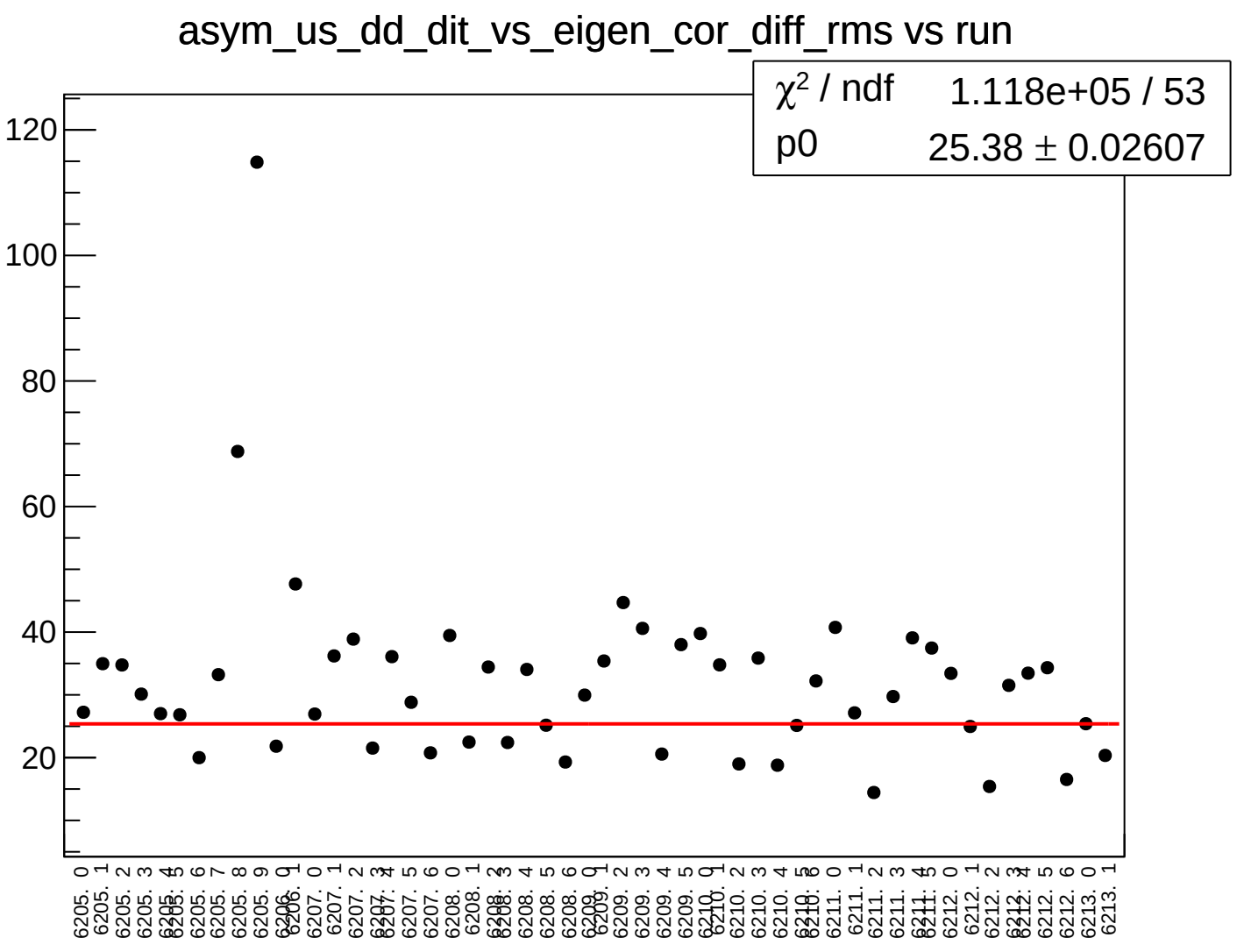

pull1D
Entries 54
Mean −0.003482
Std Dev 1.112
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

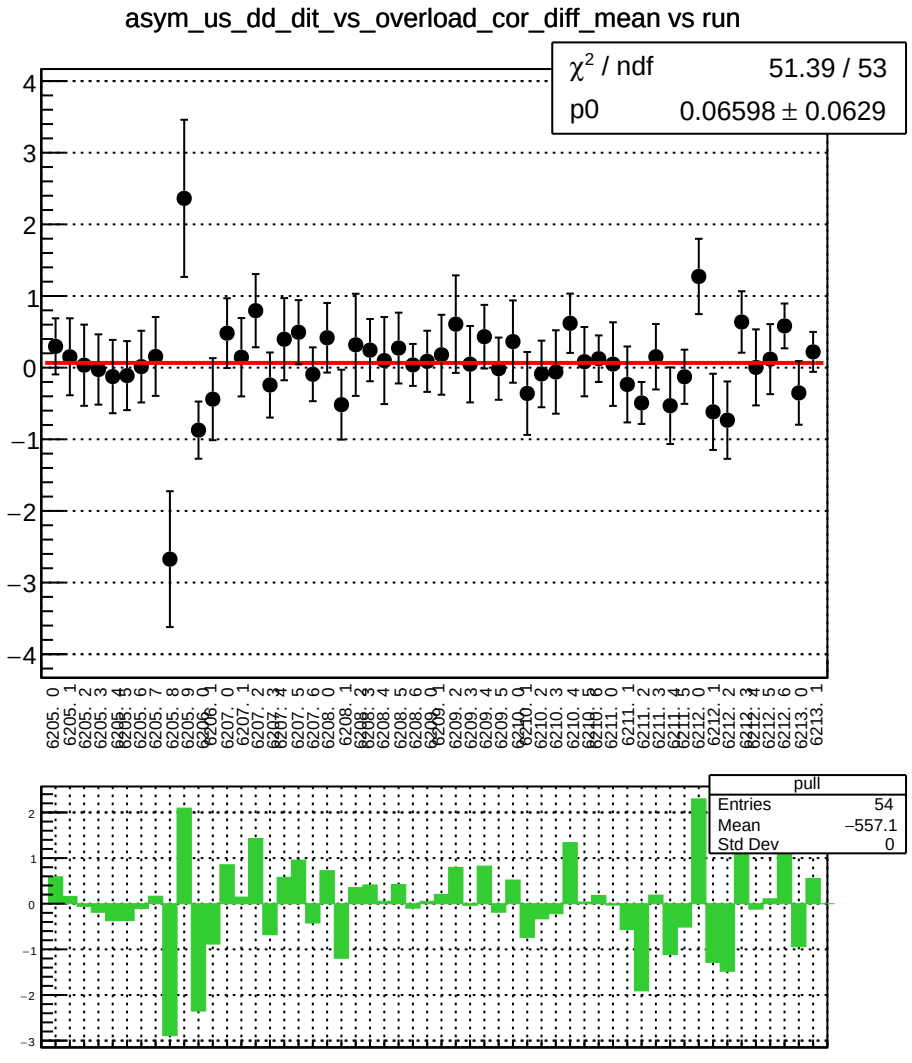

asym_us_dd_reg_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.086e+05 / 53
p0 8.537e−11 ± 9.852e−14
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 1
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

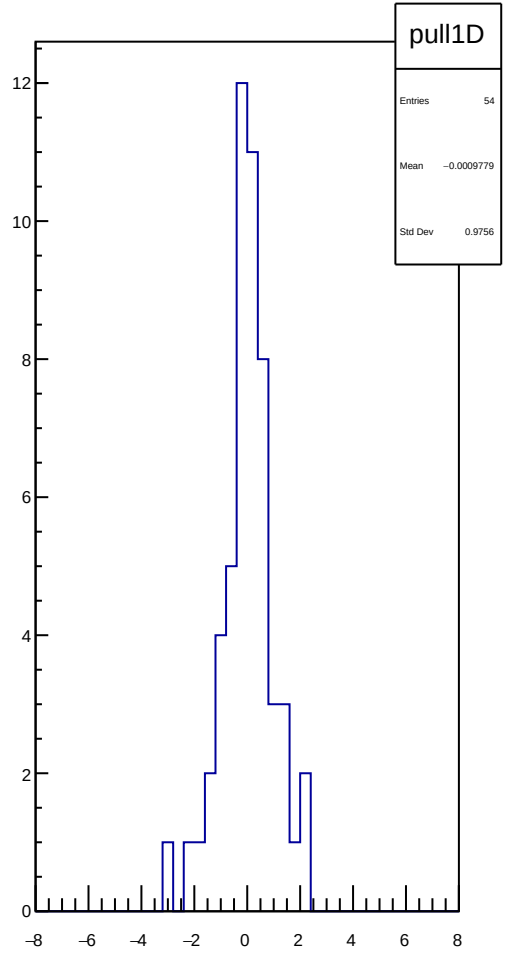

asym_us_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 64.1 / 53
p0 0.01766 ± 0.03687
pull
Entries 54
Mean 41.88
Std Dev 0
pull1D
Entries 54
Mean 0.04606
Std Dev 1.089

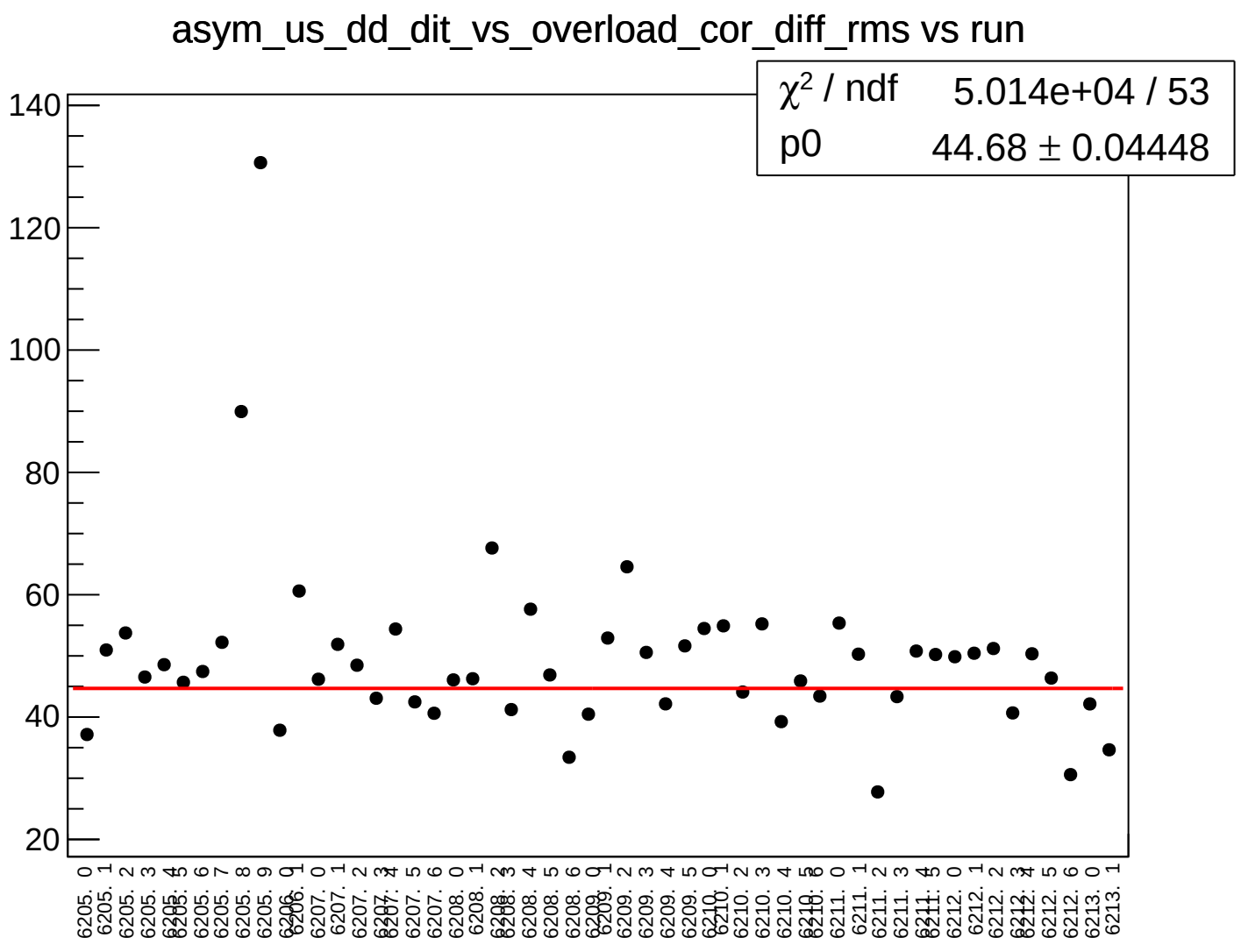

asym_us_dd_dit_vs_cor_diff_rms vs run
χ^2 / ndf 1.118e+05 / 53
p0 25.38 ± 0.02607
120
100
80
60
40
20
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

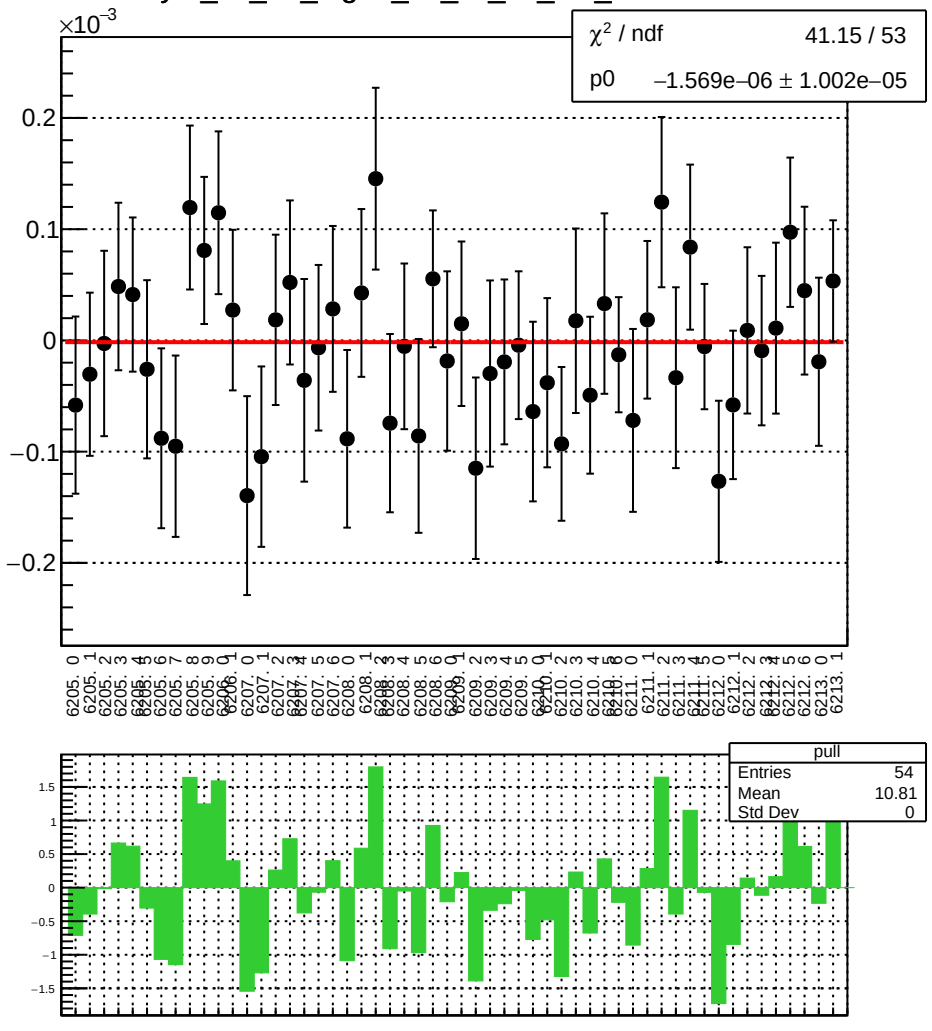

asym_us_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 64.1 / 53
p0 0.01766 ± 0.03687
pull
Entries 54
Mean 41.88
Std Dev 0
pull1D
Entries 54
Mean 0.04606
Std Dev 1.089

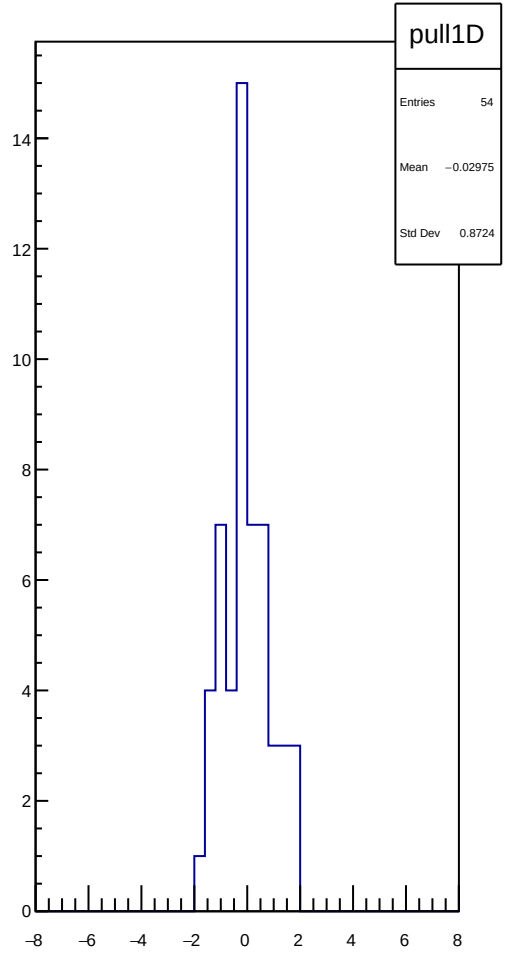

asym_us_dd_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 1.118e+05 / 53
p0 25.38 ± 0.02607
120
100
80
60
40
20
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

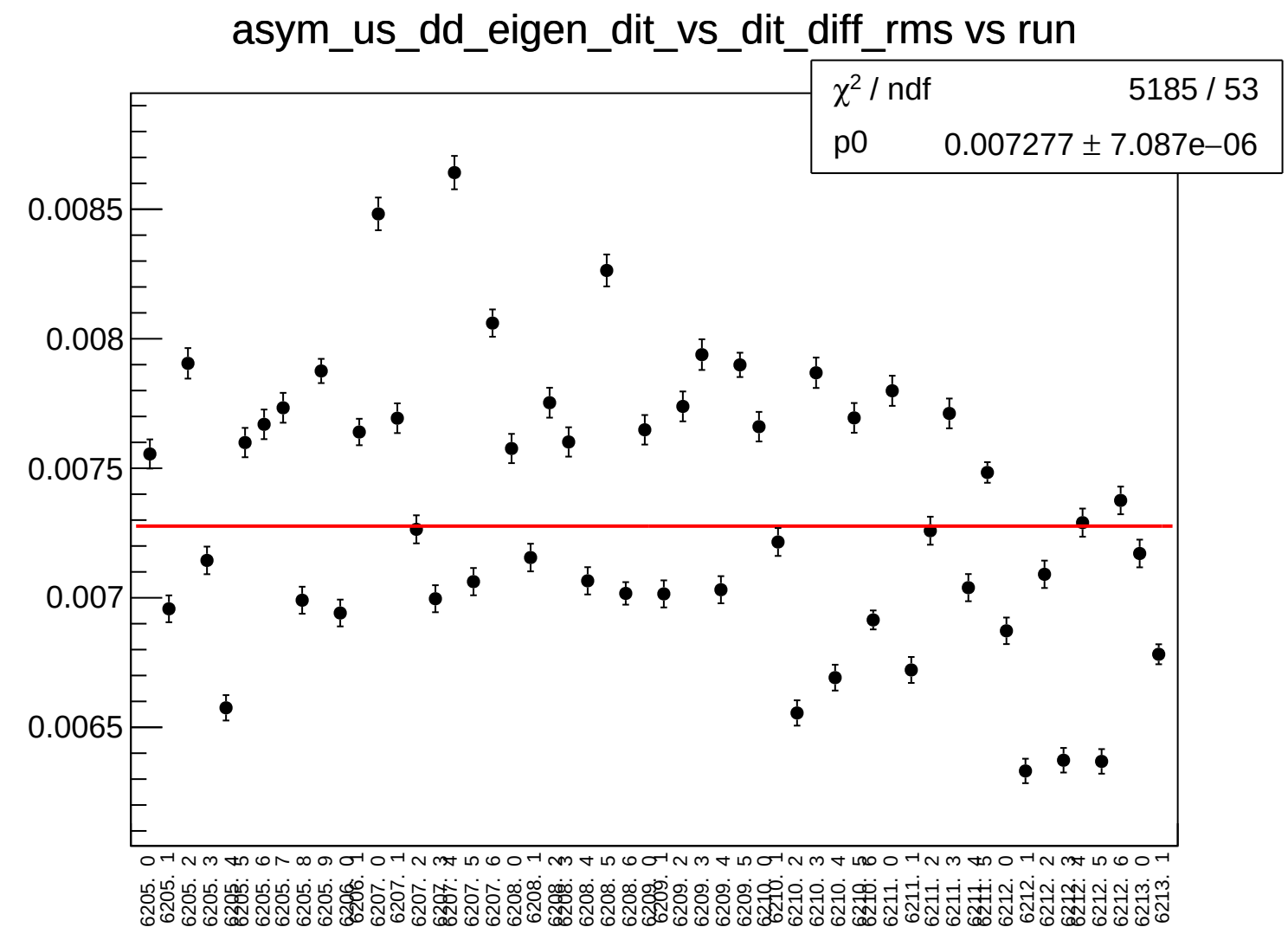

asym_us_dd_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 51.39 / 53
p0 0.06598 ± 0.0629
pull
Entries 54
Mean −557.1
Std Dev 0

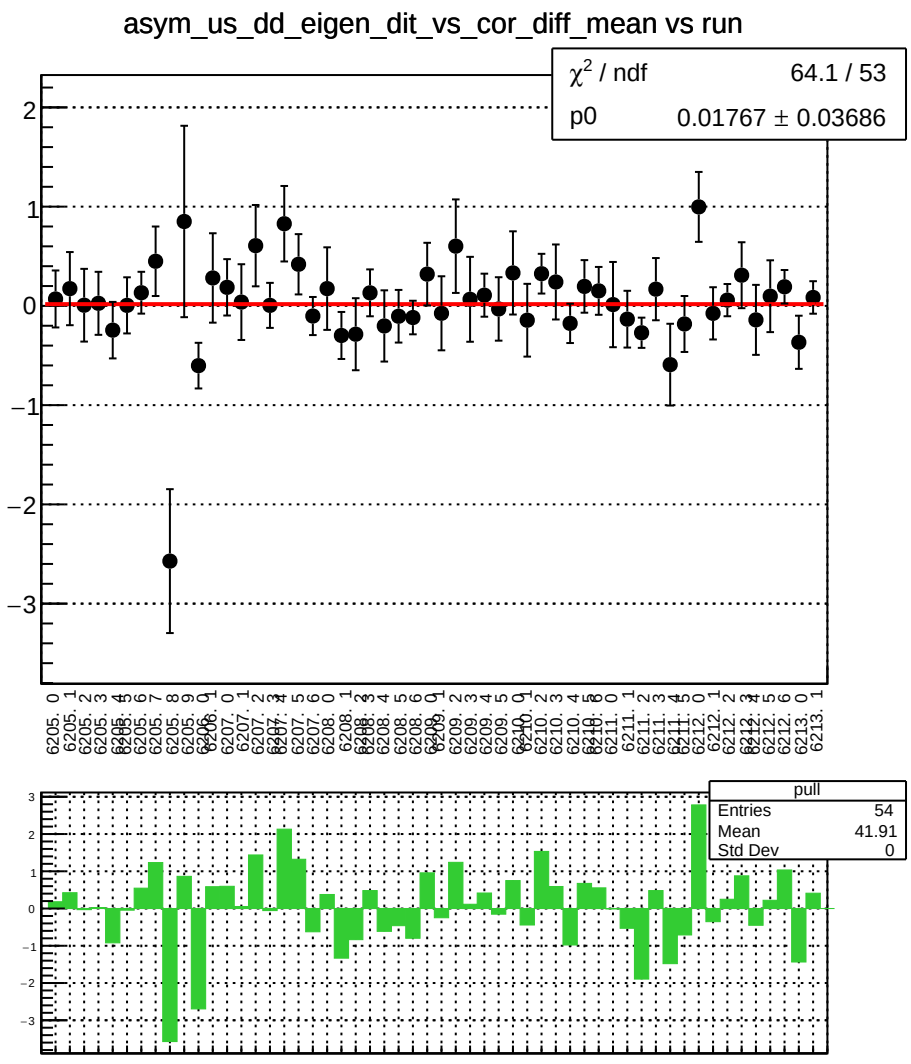

pull1D
Entries 54
Mean −0.0009779
Std Dev 0.9756

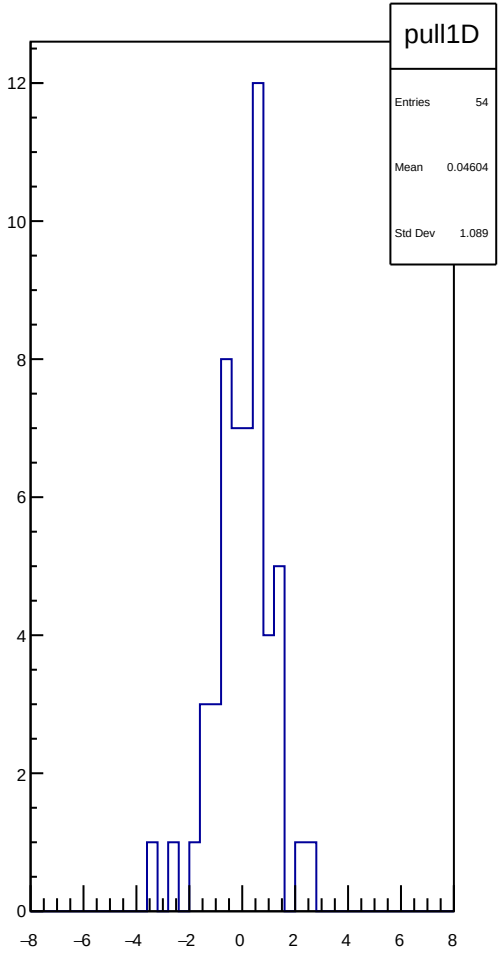

asym_us_dd_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 5.014e+04 / 53
p0 44.68 ± 0.04448
140
120
100
80
60
40
20
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

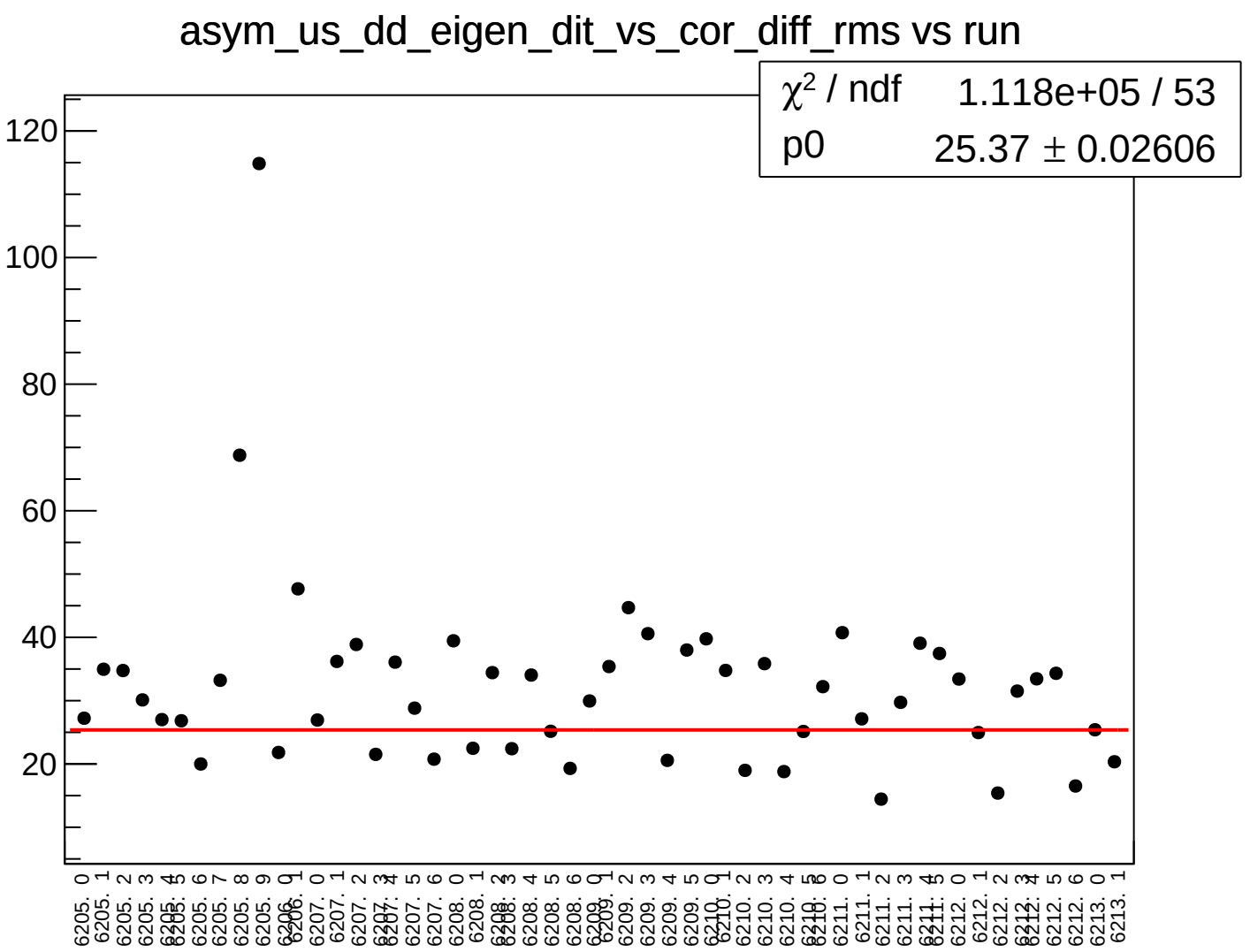

asym_us_dd_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 41.15 / 53
p0 −1.569e−06 ± 1.002e−05
pull
Entries 54
Mean 10.81
Std Dev 0

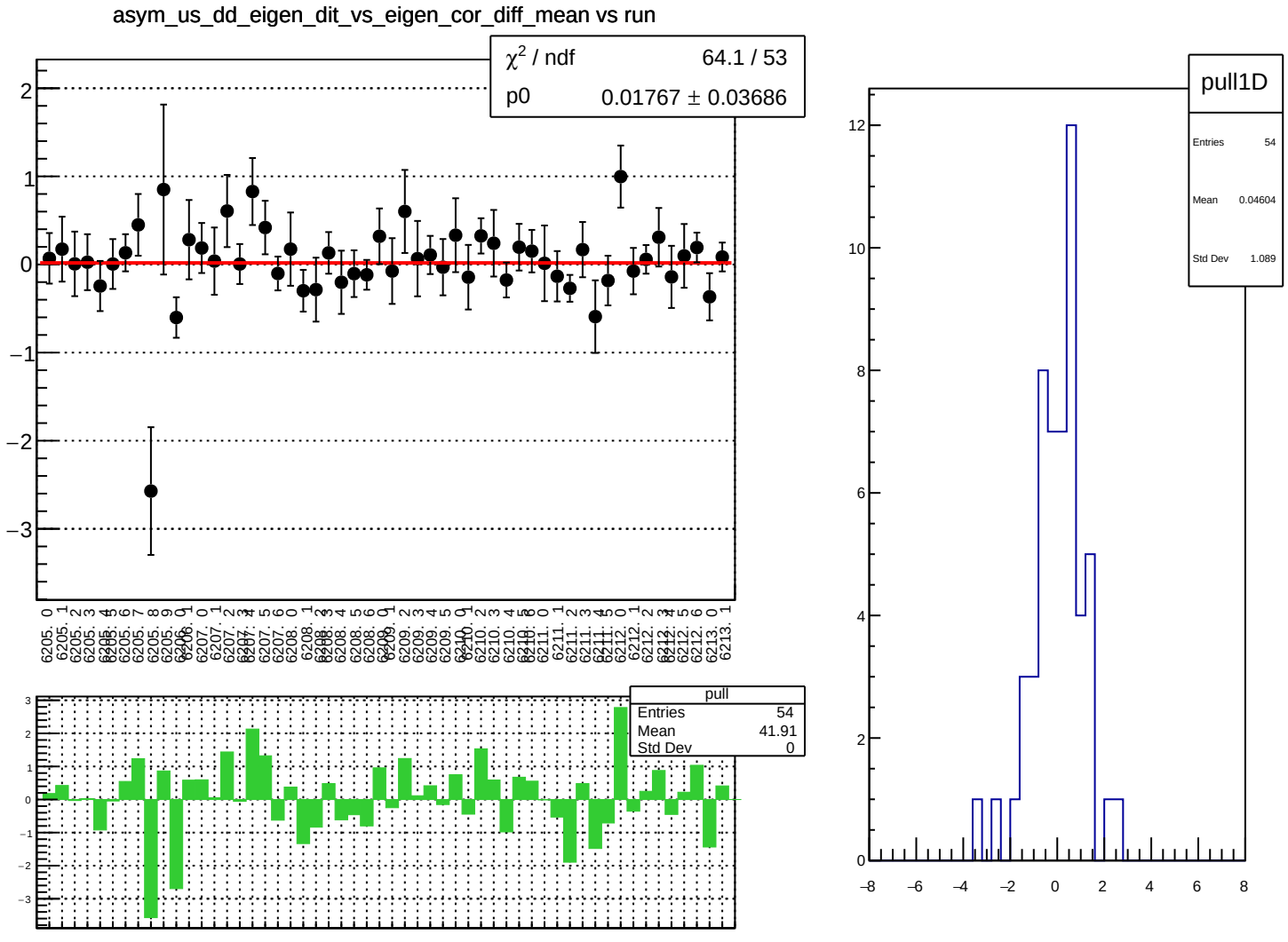

pull1D
Entries 54
Mean −0.02975
Std Dev 0.8724

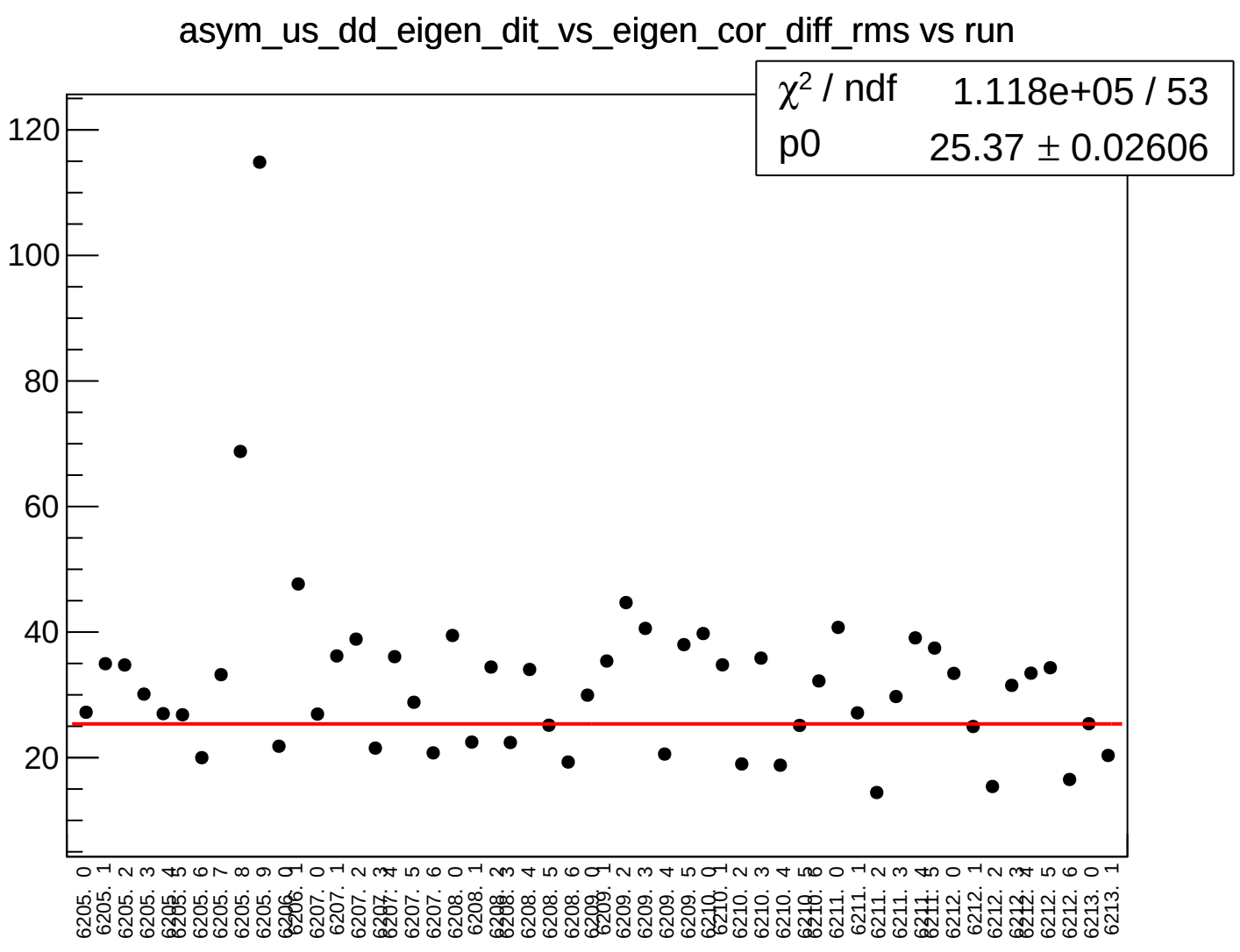

asym_us_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5185 / 53
p0 0.007277 ± 7.087e−06
0.0085
0.008
0.0075
0.007
0.0065

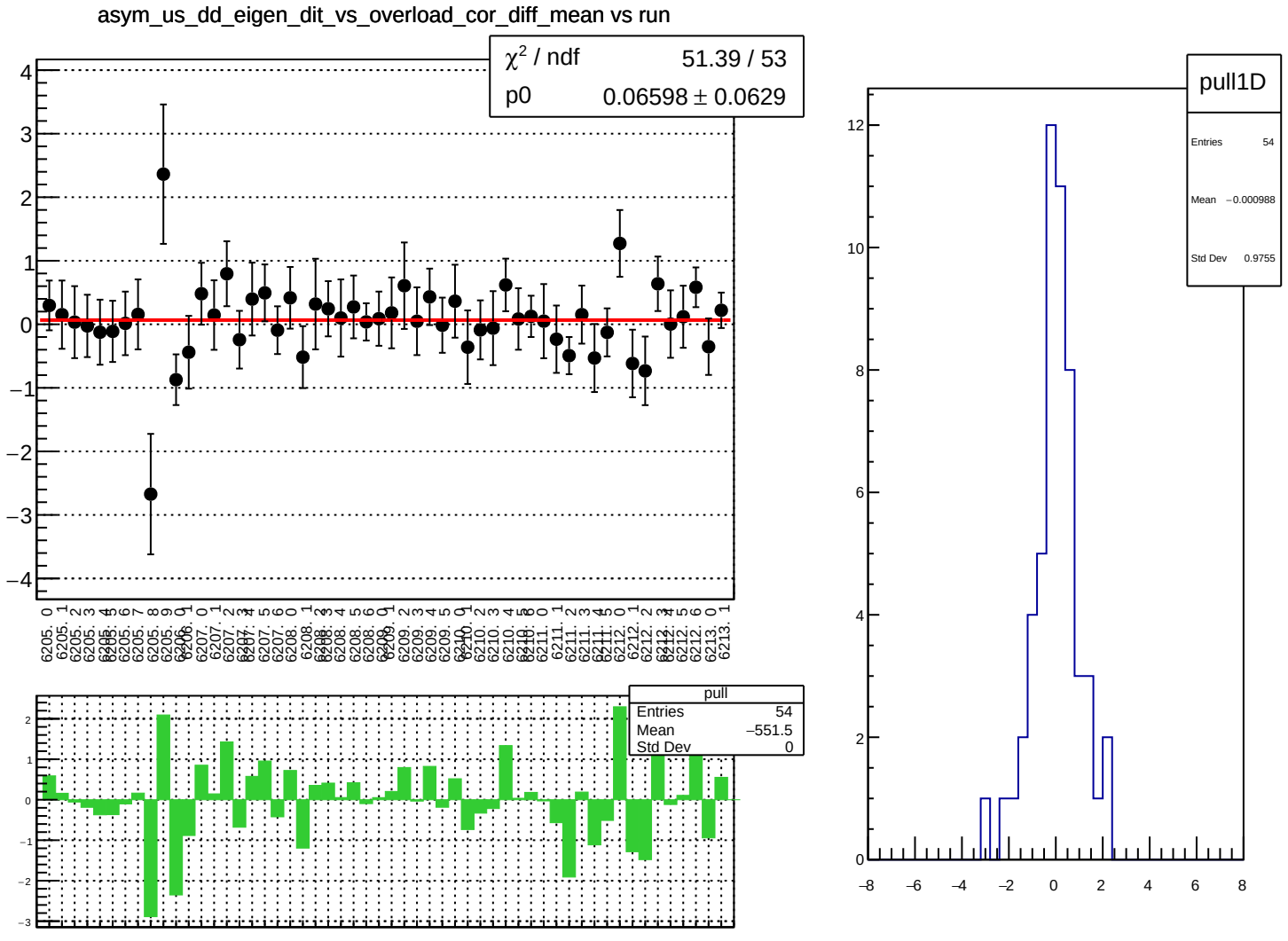

asym_us_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 64.1 / 53
p0 0.01767 ± 0.03686
pull
Entries 54
Mean 41.91
Std Dev 0

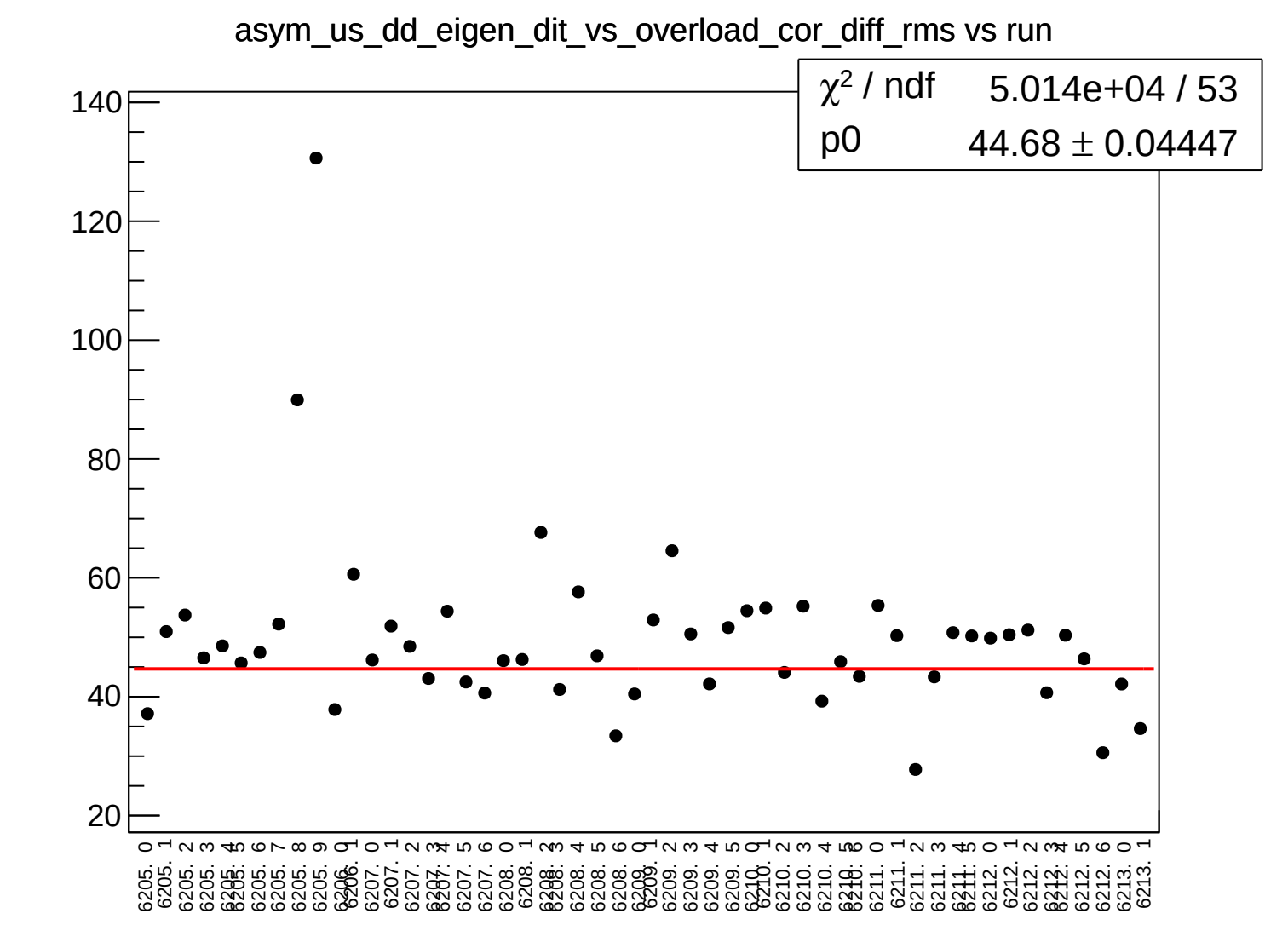

pull1D
Entries 54
Mean 0.04604
Std Dev 1.089

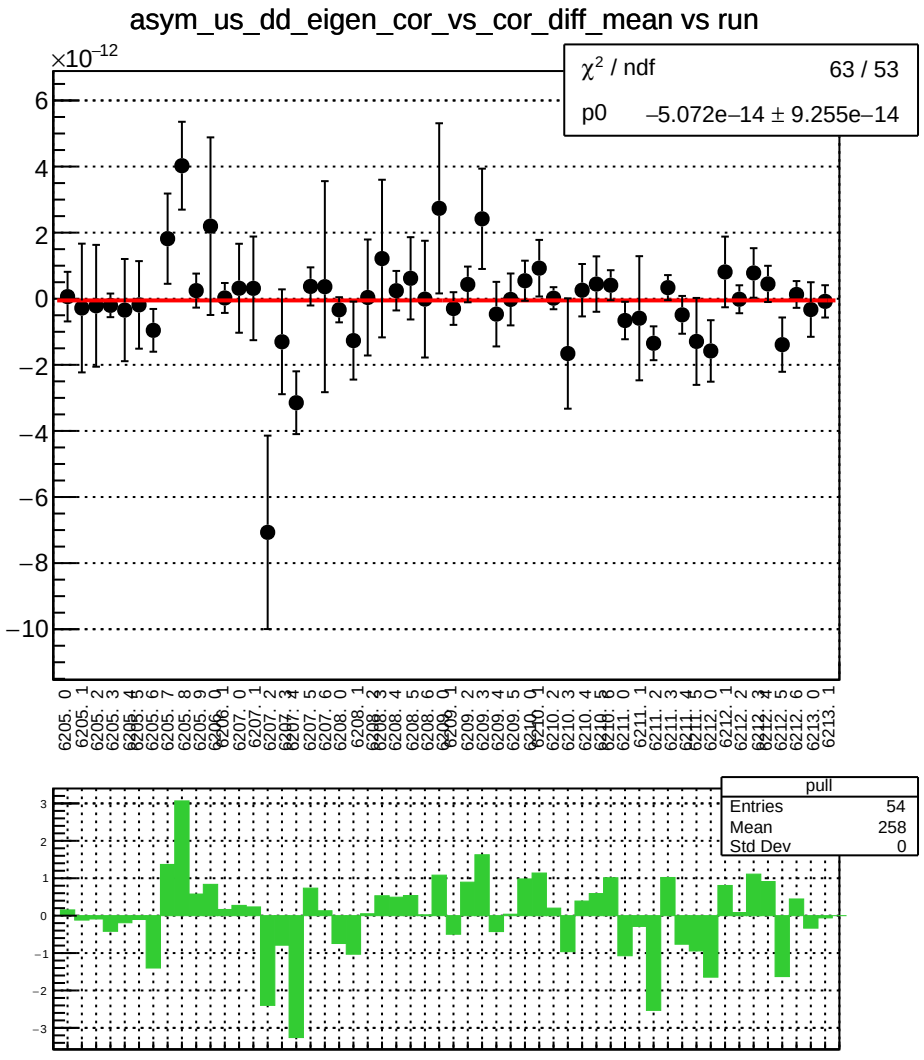

asym_us_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.118e+05 / 53
p0 25.37 ± 0.02606
120
100
80
60
40
20
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

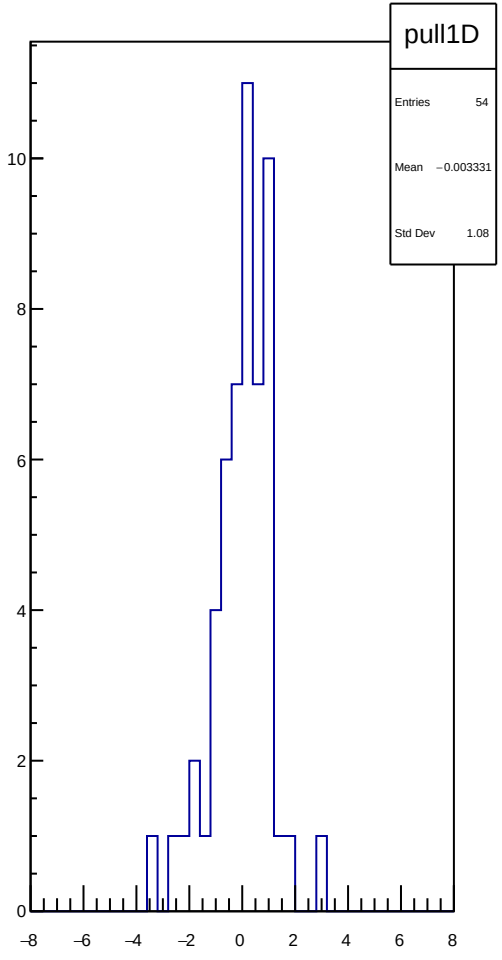

asym_us_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 64.1 / 53
p0 0.01767 ± 0.03686
pull
Entries 54
Mean 41.91
Std Dev 0
pull1D
Entries 54
Mean 0.04604
Std Dev 1.089

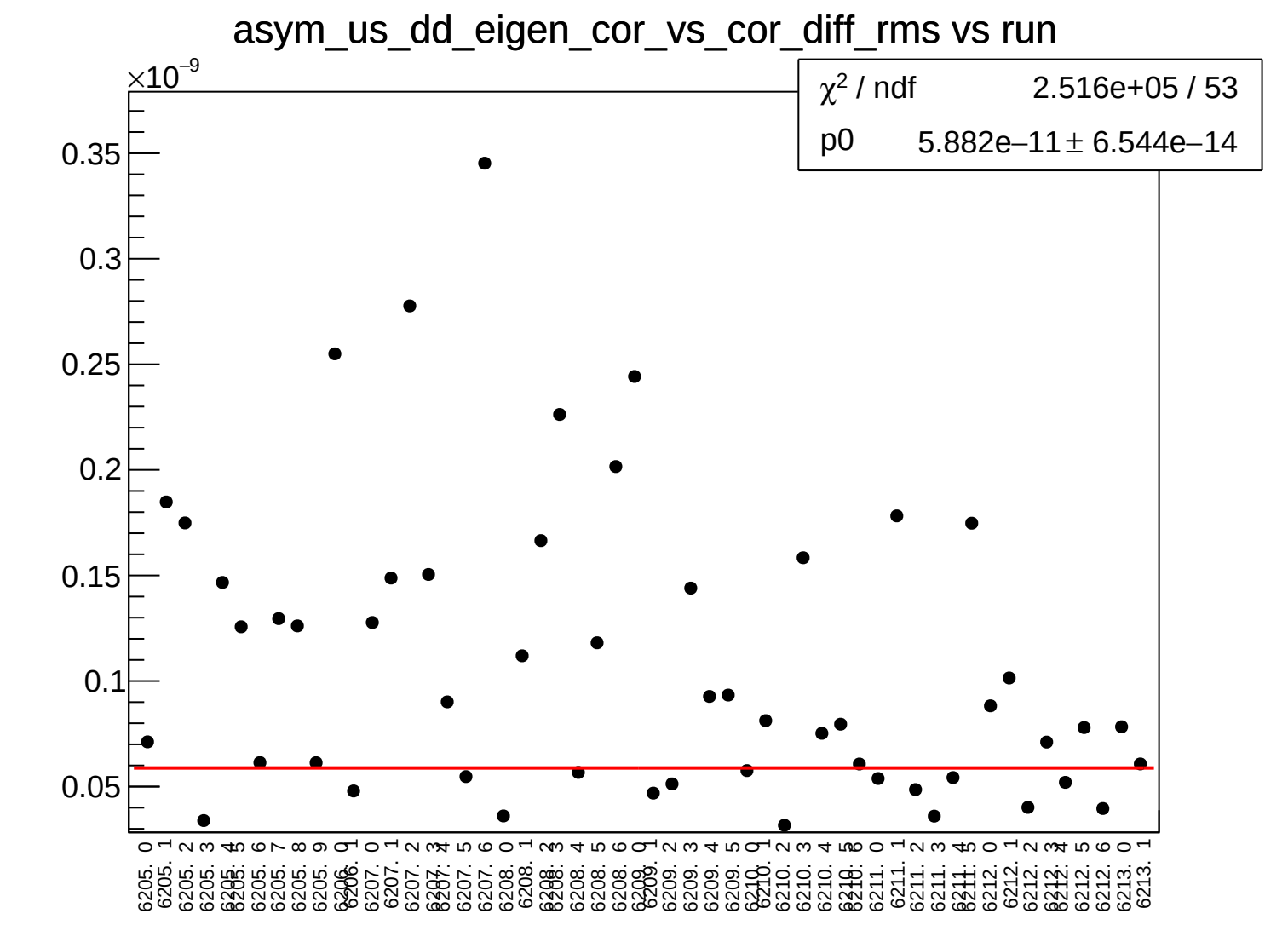

asym_us_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.118e+05 / 53
p0 25.37 ± 0.02606
120
100
80
60
40
20
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

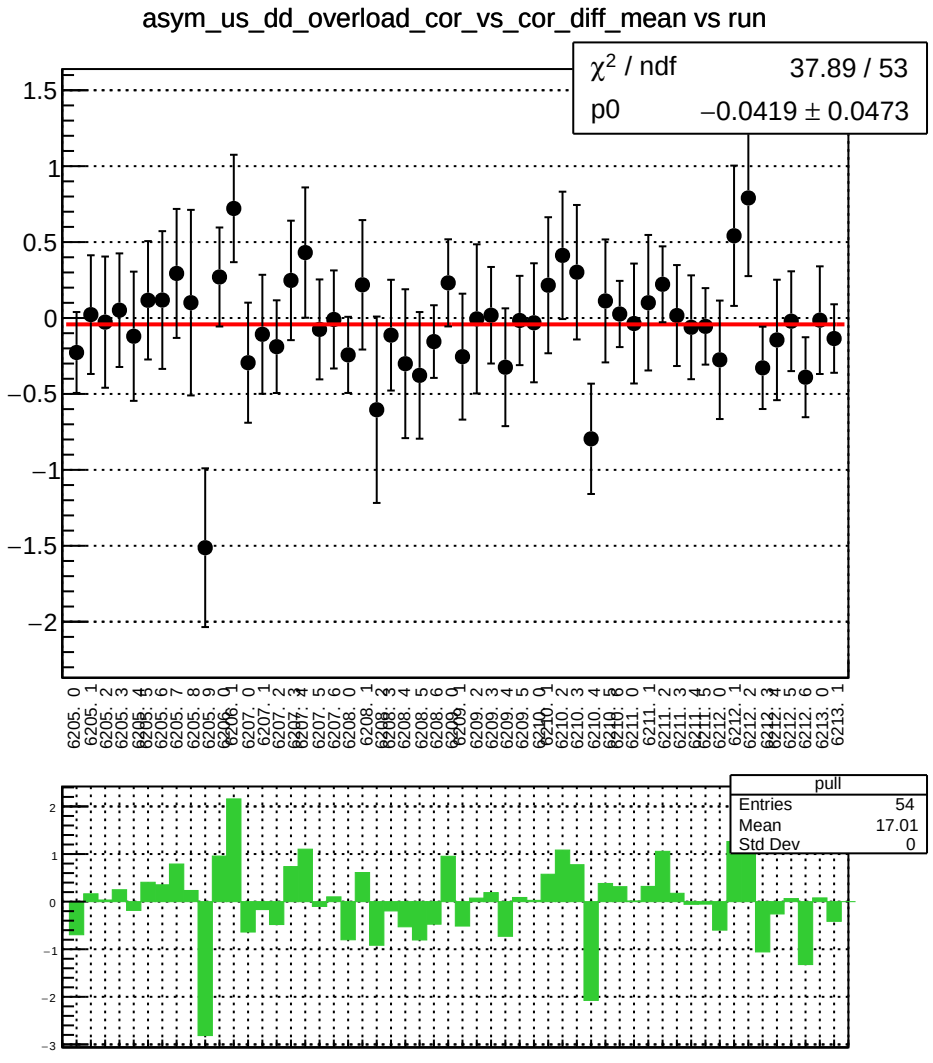

asym_us_dd_eigen_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 51.39 / 53
p0 0.06598 ± 0.0629
pull
Entries 54
Mean −551.5
Std Dev 0
pull1D
Entries 54
Mean −0.000988
Std Dev 0.9755

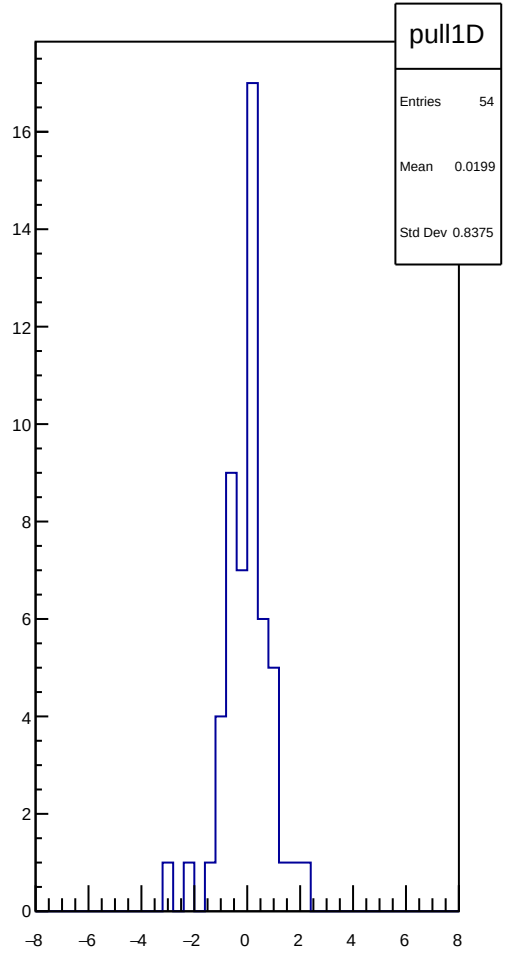

asym_us_dd_eigen_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 5.014e+04 / 53
p0 44.68 ± 0.04447
140
120
100
80
60
40
20
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 1
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

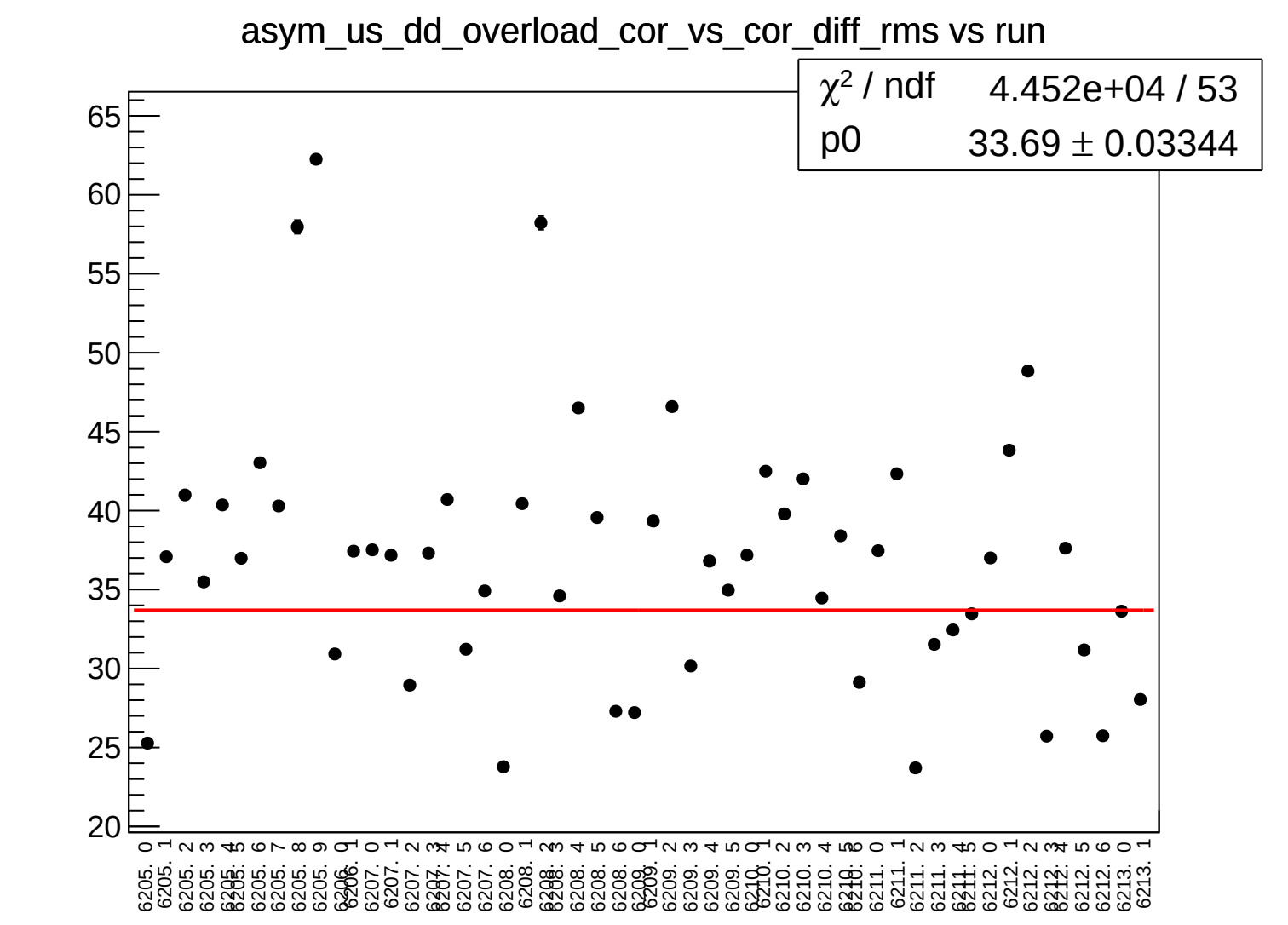

asym_us_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 63 / 53
p0 −5.072e−14 ± 9.255e−14
pull
Entries 54
Mean 258
Std Dev 0

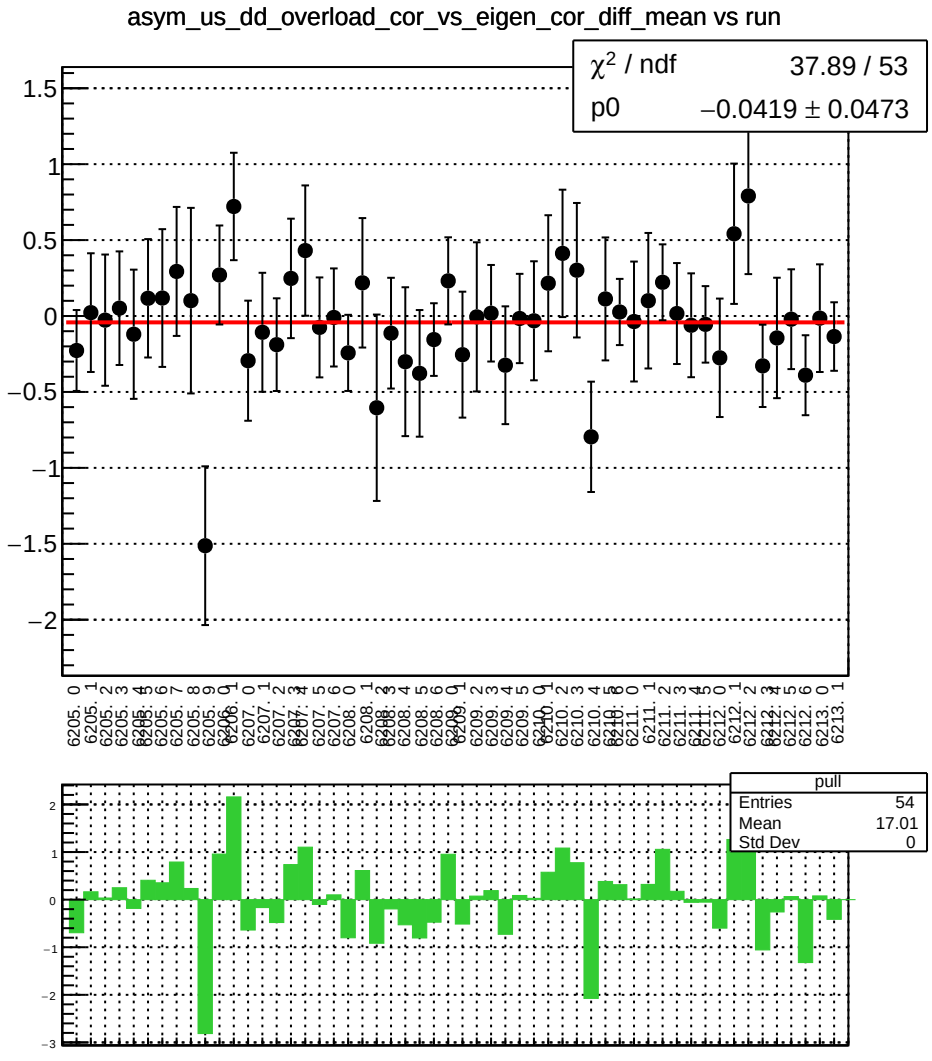

pull1D
Entries 54
Mean −0.003331
Std Dev 1.08

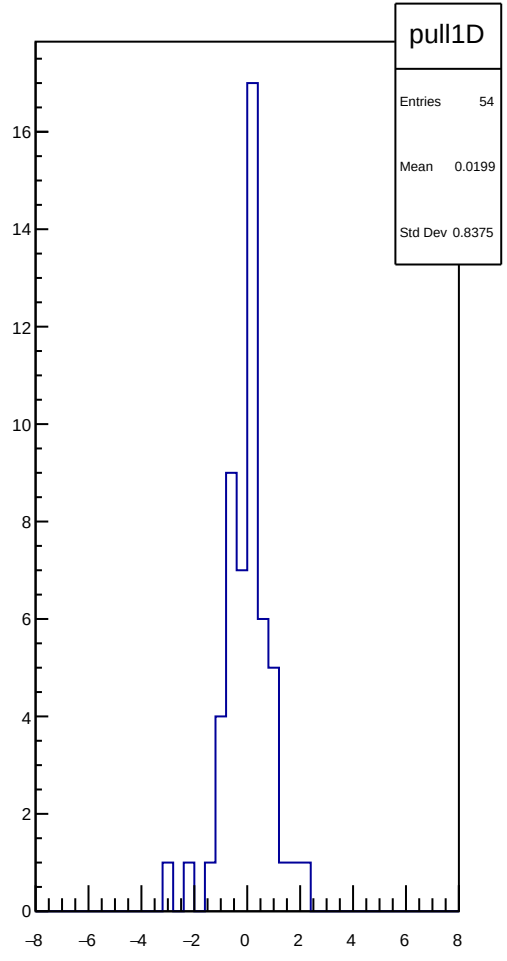

asym_us_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.516e+05 / 53
p0 5.882e−11 ± 6.544e−14
0.35
0.3
0.25
0.2
0.15
0.1
0.05
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 1
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

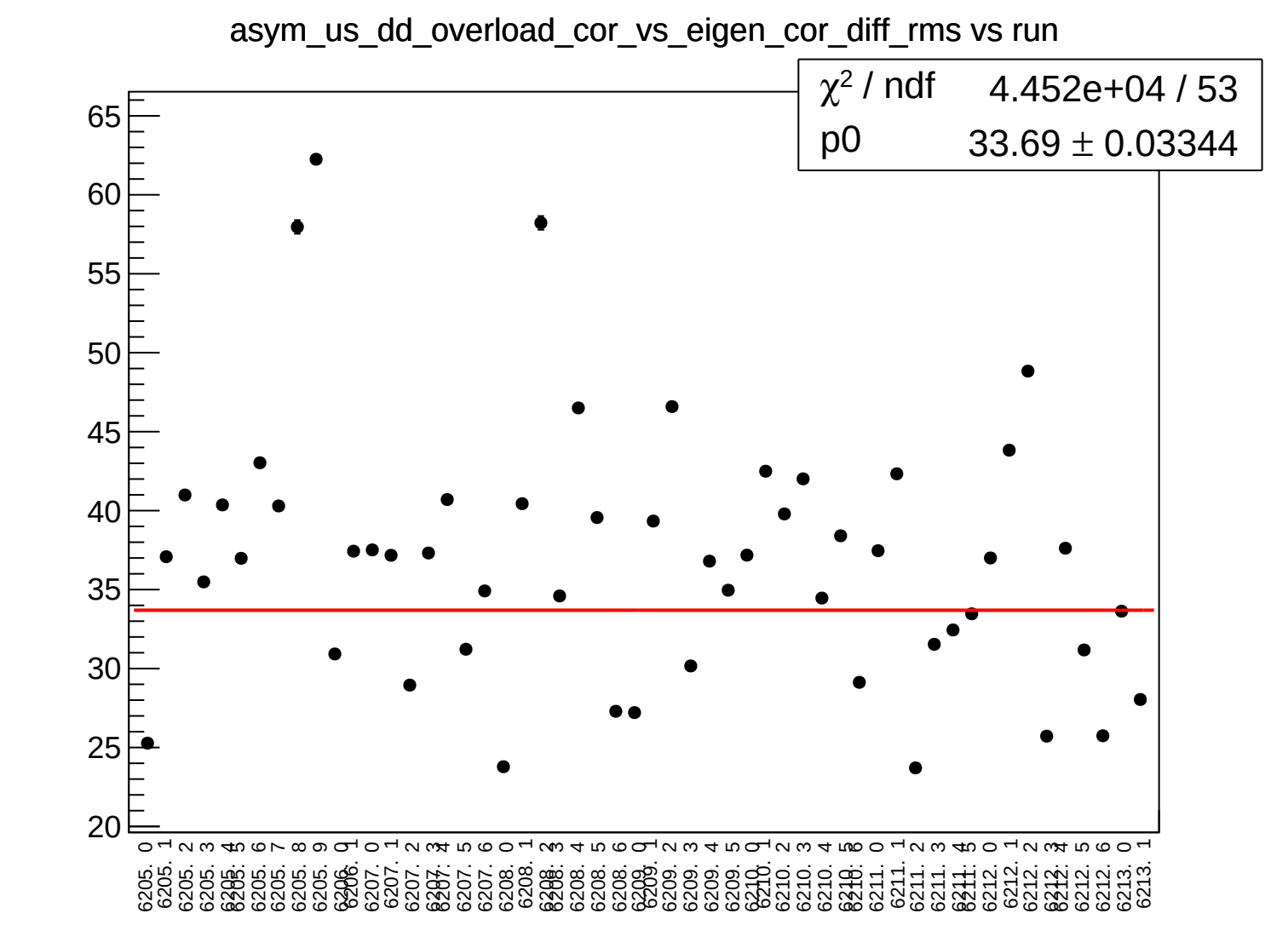

asym_us_dd_overload_cor_vs_cor_diff_mean vs run
χ² / ndf 37.89 / 53
p0 −0.0419 ± 0.0473
pull
Entries 54
Mean 17.01
Std Dev 0


pull1D
Entries 54
Mean 0.0199
Std Dev 0.8375


asym_us_dd_overload_cor_vs_cor_diff_rms vs run
χ^2 / ndf 4.452e+04 / 53
p0 33.69 ± 0.03344
65
60
55
50
45
40
35
30
25
20
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1


asym_us_dd_overload_cor_vs_eigen_cor_diff_mean vs run
χ² / ndf 37.89 / 53
p0 −0.0419 ± 0.0473
pull
Entries 54
Mean 17.01
Std Dev 0


pull1D
Entries 54
Mean 0.0199
Std Dev 0.8375


asym_us_dd_overload_cor_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.452e+04 / 53
p0 33.69 ± 0.03344
65
60
55
50
45
40
35
30
25
20
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
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6212. 2
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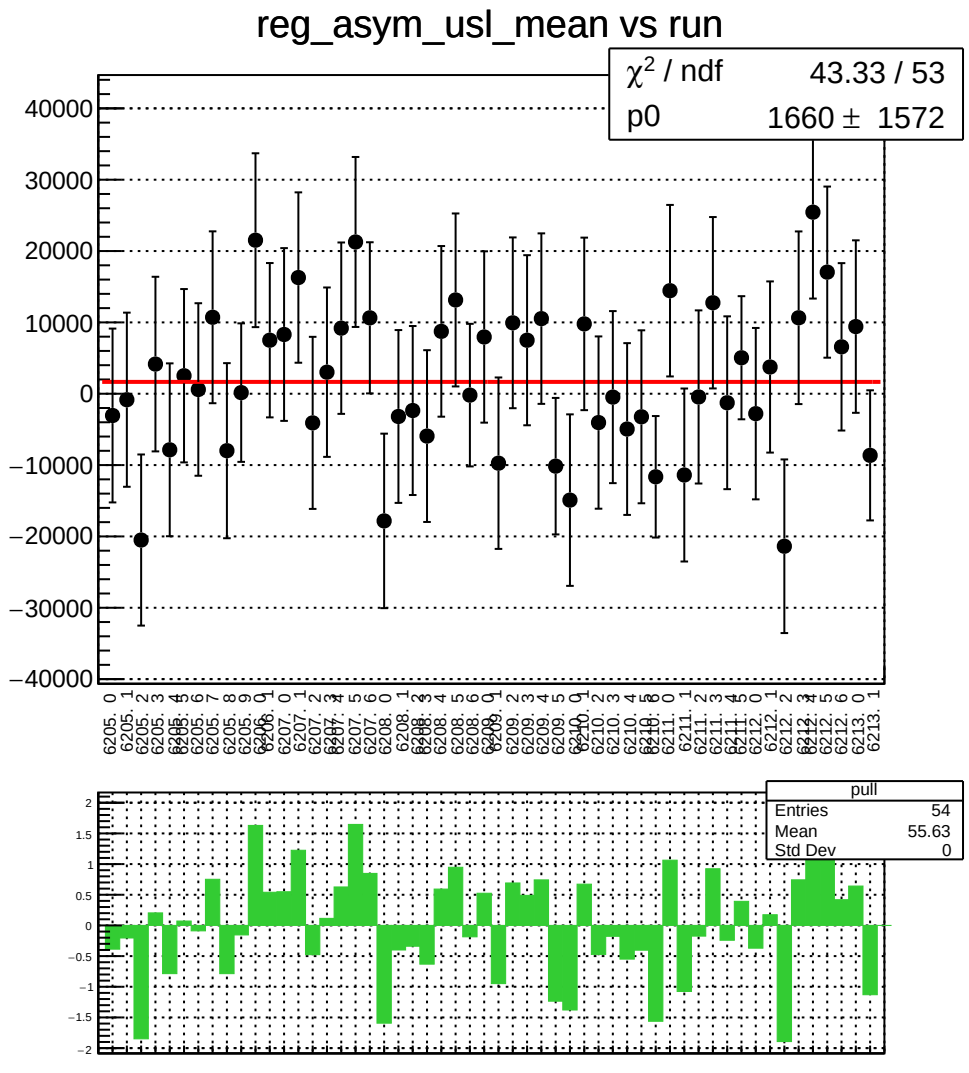
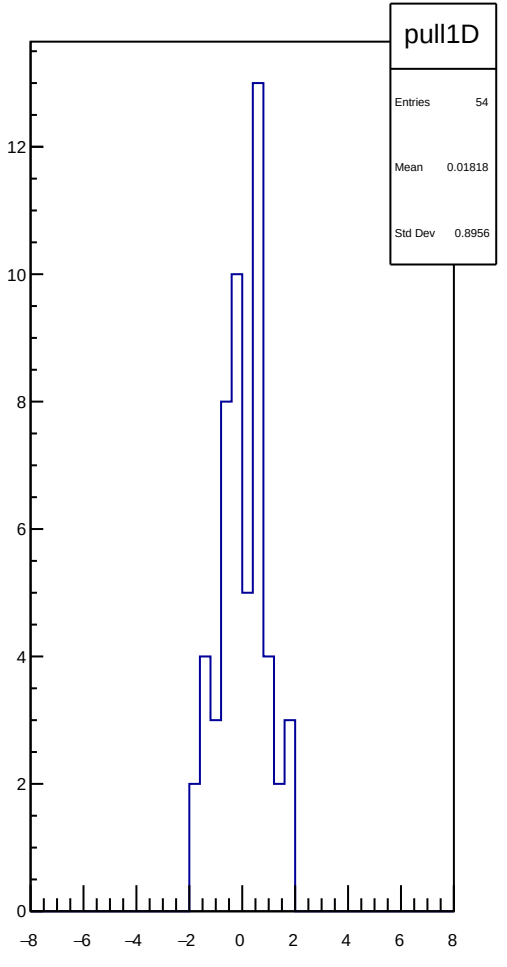
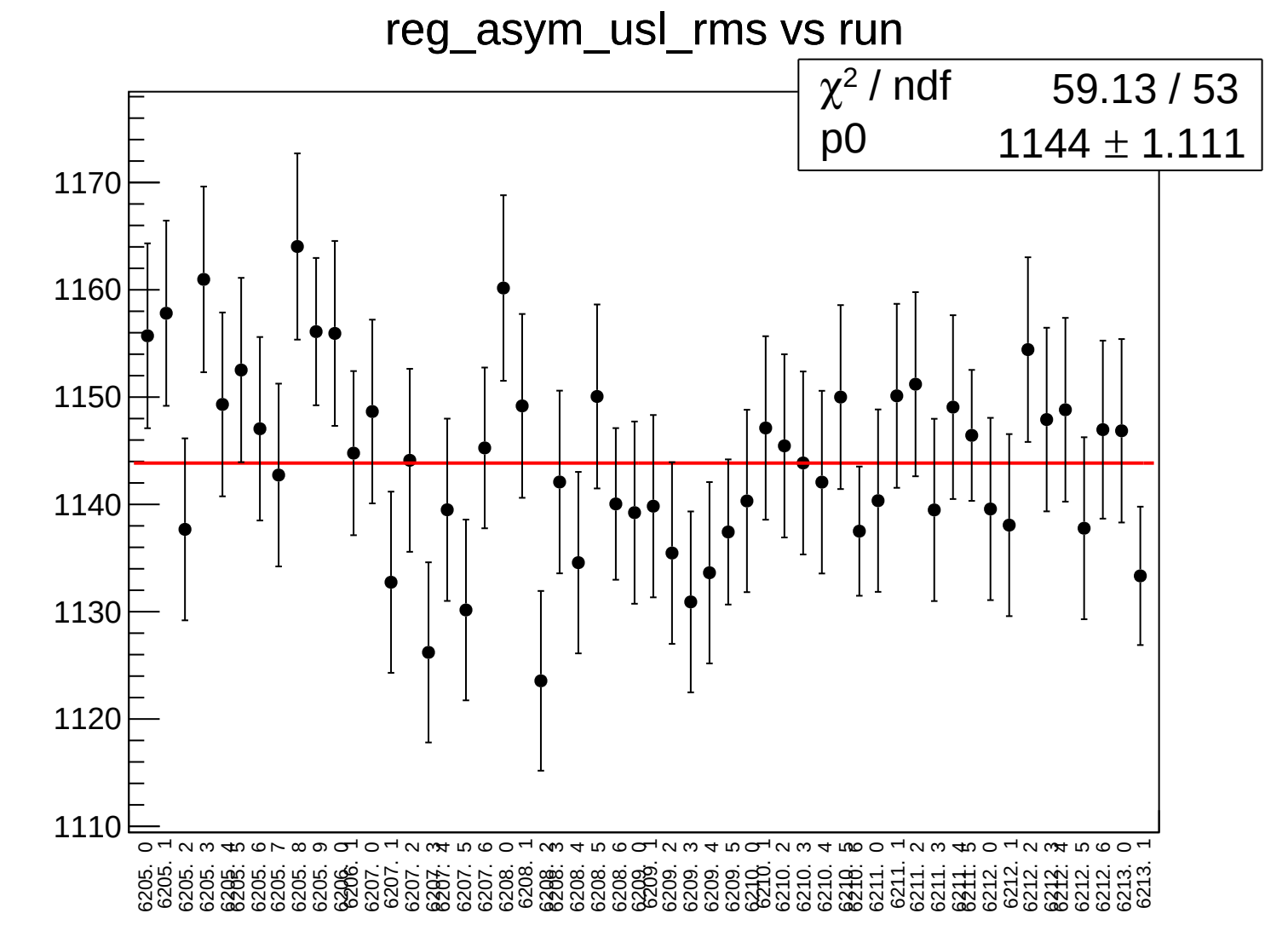
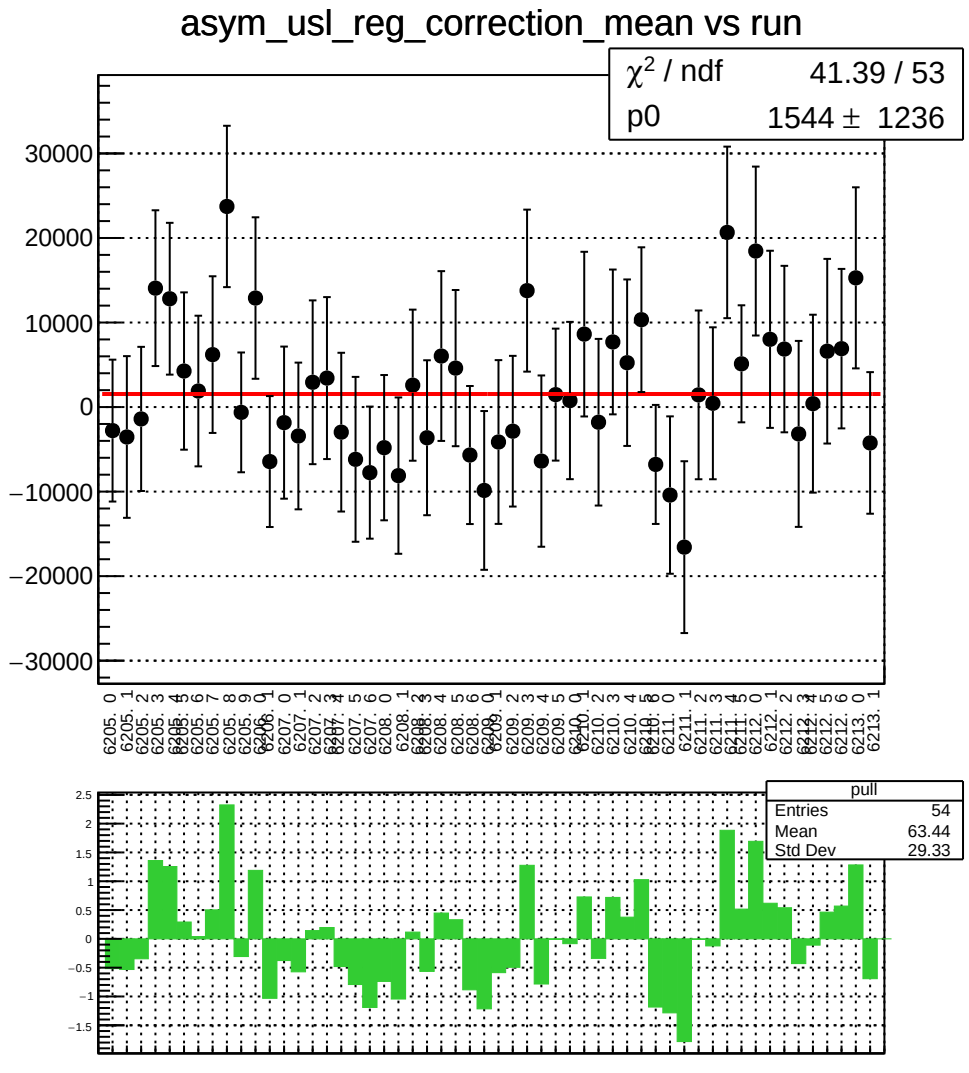
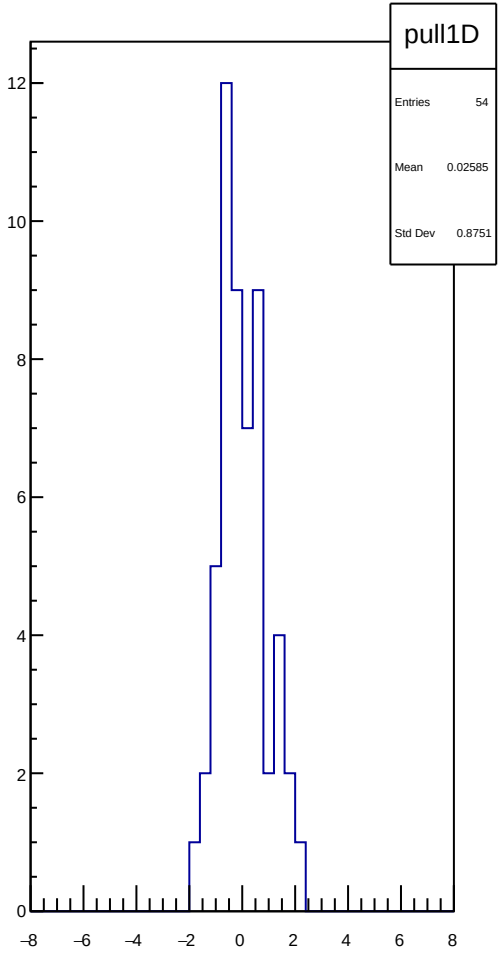
6213. 1

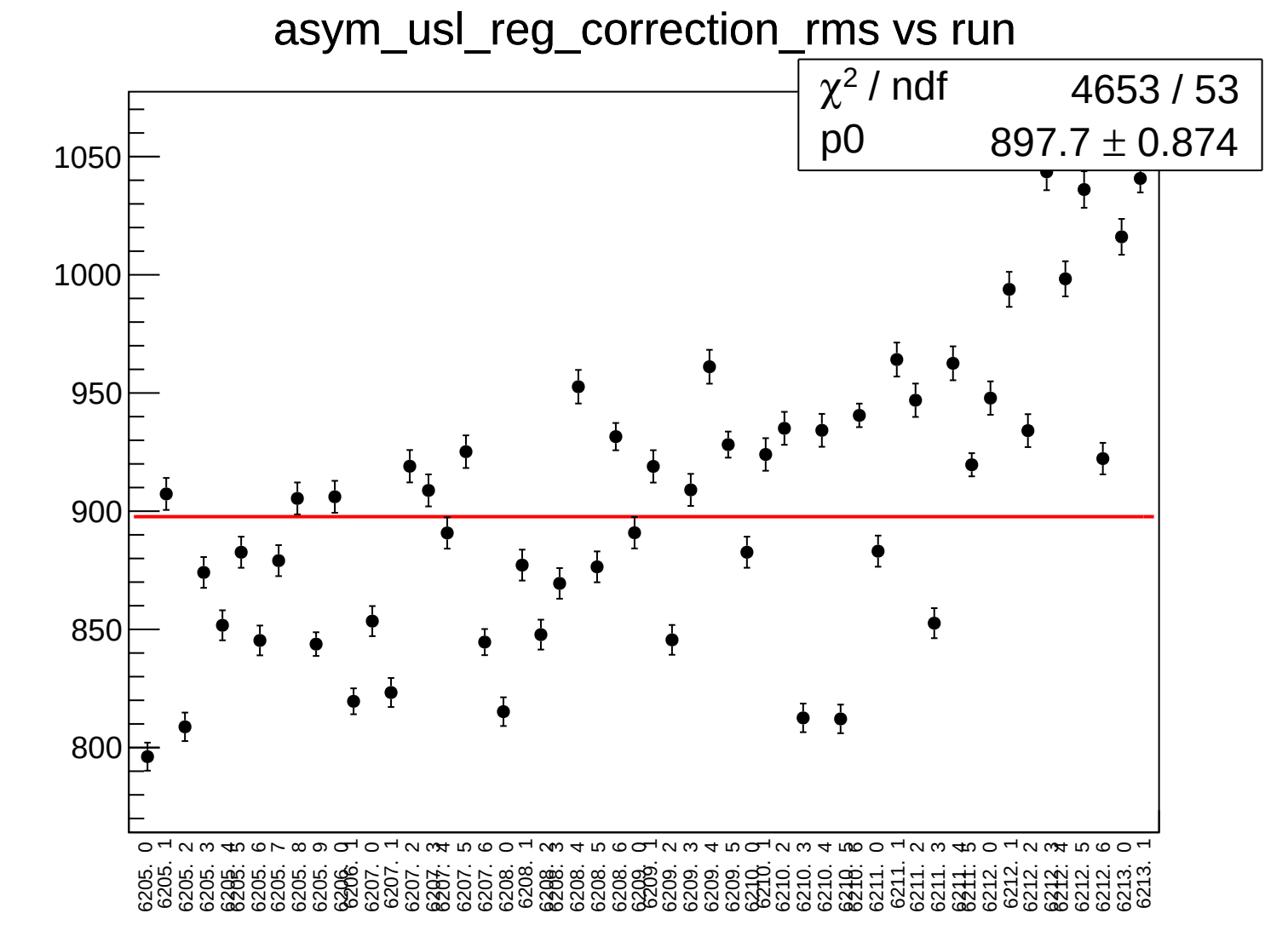

reg_asym_usl_mean vs run
χ² / ndf 43.33 / 53
p0 1660 ± 1572
pull
Entries 54
Mean 55.63
Std Dev 0

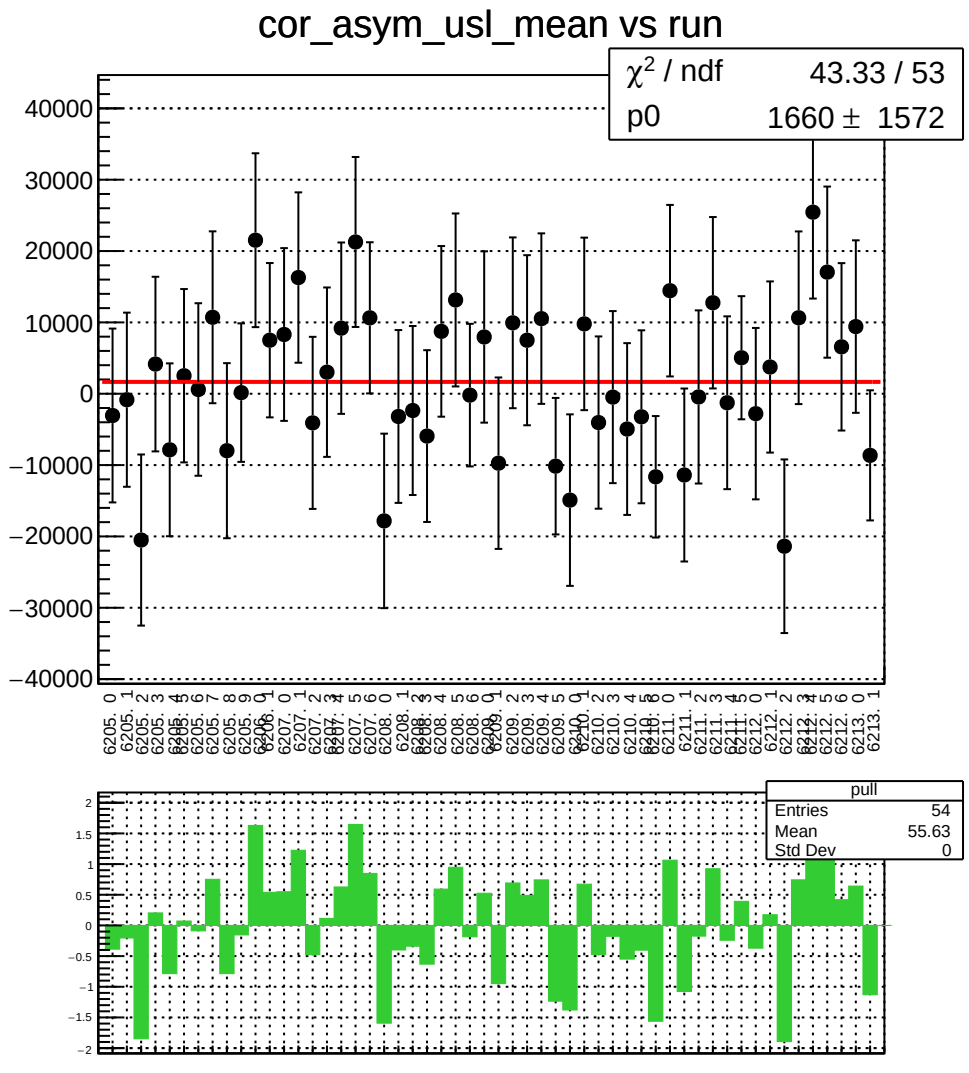

pull1D
Entries 54
Mean 0.01818
Std Dev 0.8956

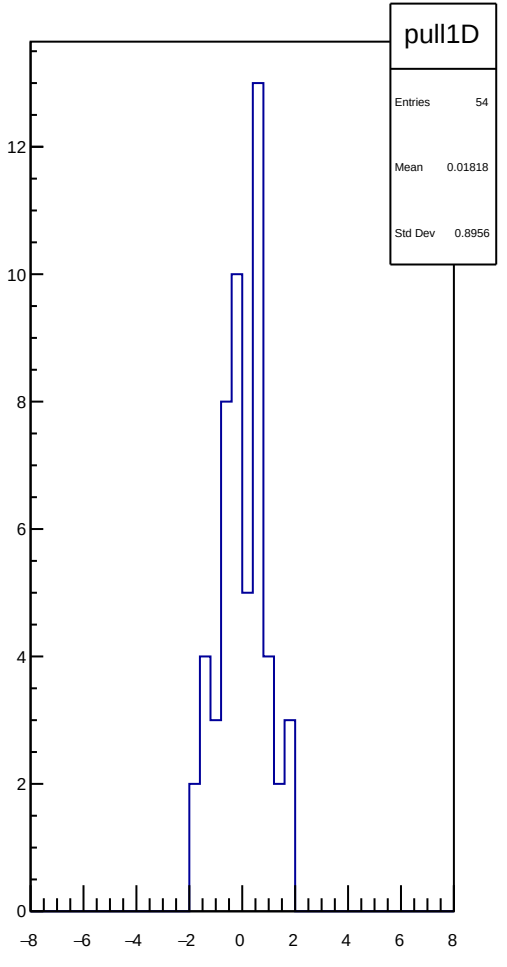

reg_asym_usl_rms vs run
χ² / ndf 59.13 / 53
p0 1144 ± 1.111
1170
1160
1150
1140
1130
1120
1110
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

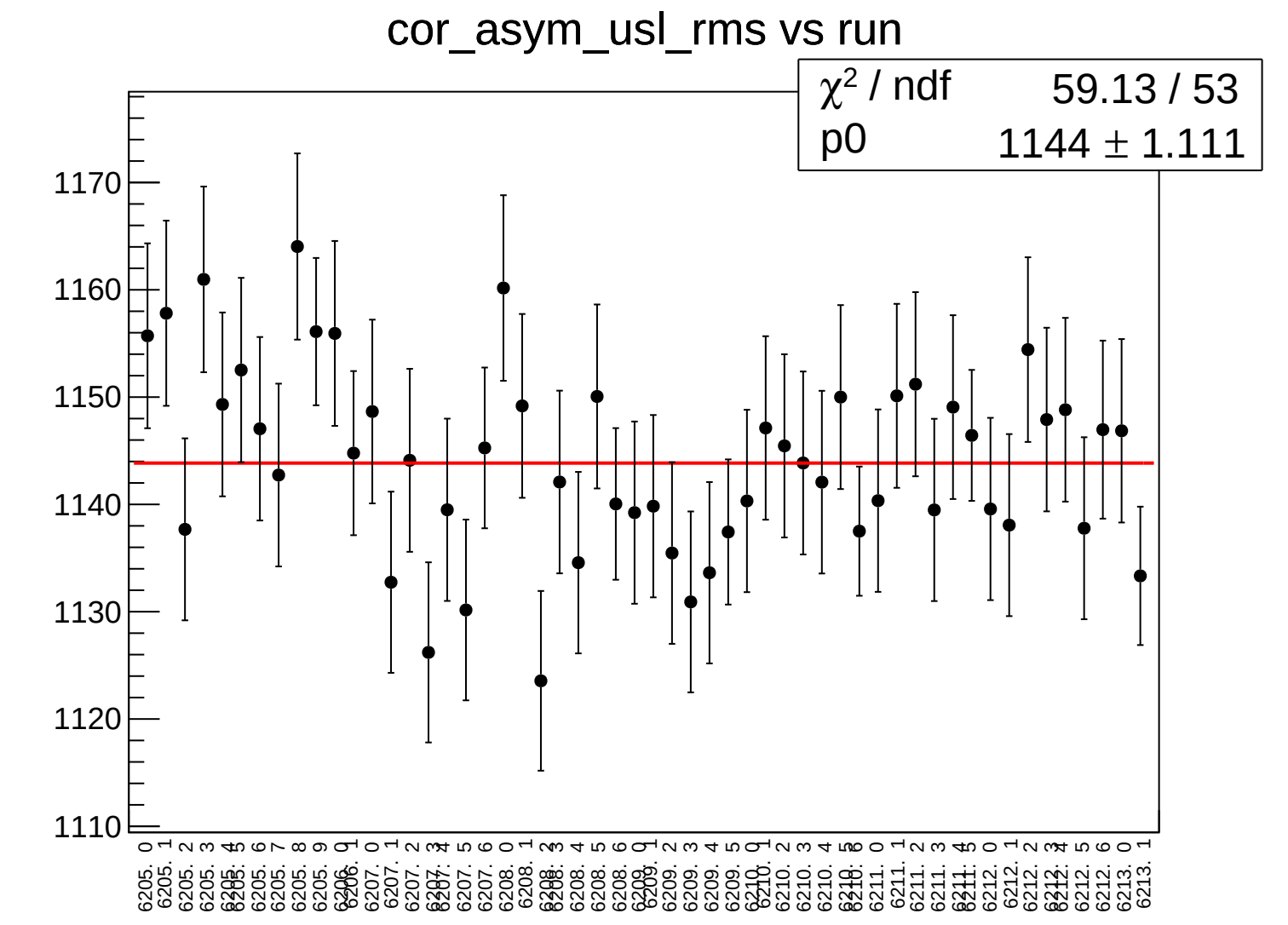

asym_usl_reg_correction_mean vs run
χ² / ndf 41.39 / 53
p0 1544 ± 1236
pull
Entries 54
Mean 63.44
Std Dev 29.33


pull1D
Entries 54
Mean 0.02585
Std Dev 0.8751


asym_usl_reg_correction_rms vs run
χ² / ndf 4653 / 53
p0 897.7 ± 0.874
1050
1000
950
900
850
800
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


cor_asym_usl_mean vs run
χ² / ndf 43.33 / 53
p0 1660 ± 1572
pull
Entries 54
Mean 55.63
Std Dev 0


pull1D
Entries 54
Mean 0.01818
Std Dev 0.8956


cor_asym_usl_rms vs run
χ² / ndf 59.13 / 53
p0 1144 ± 1.111
1170
1160
1150
1140
1130
1120
1110
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
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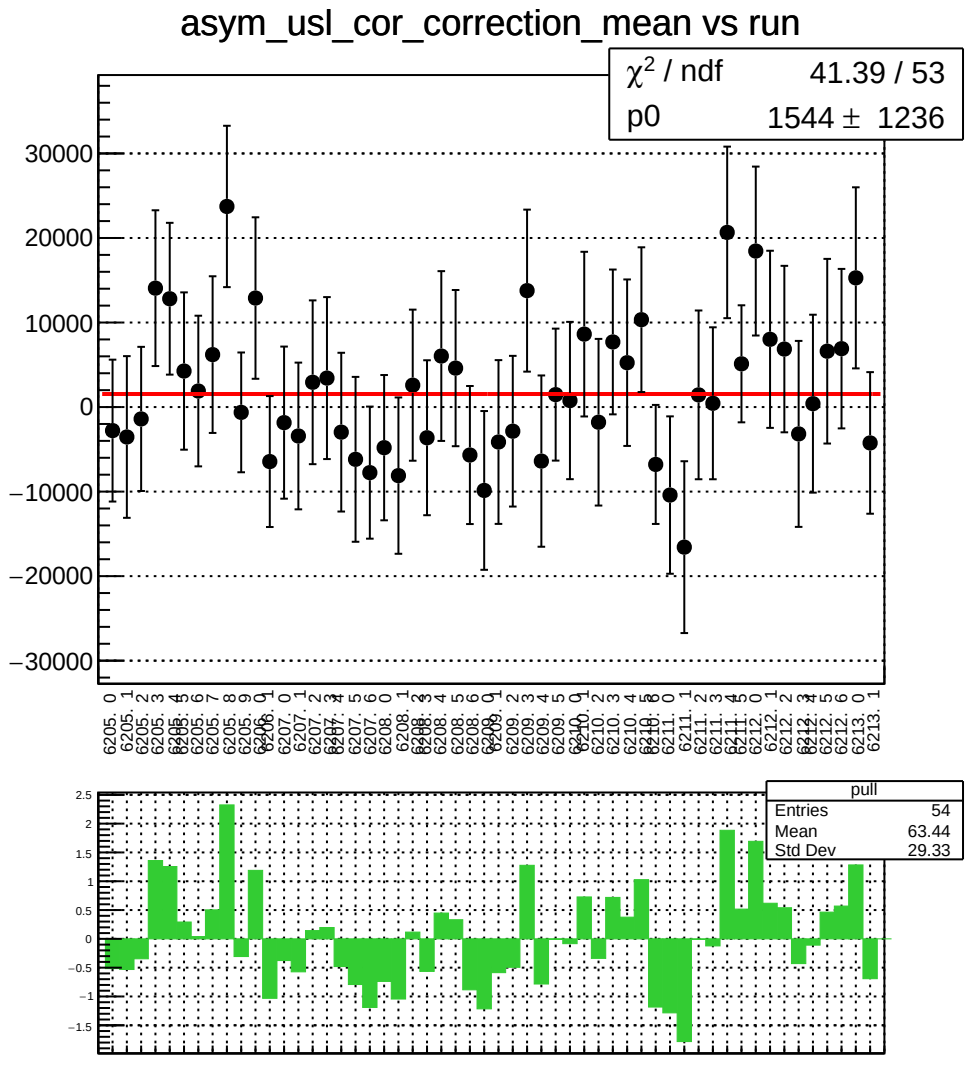
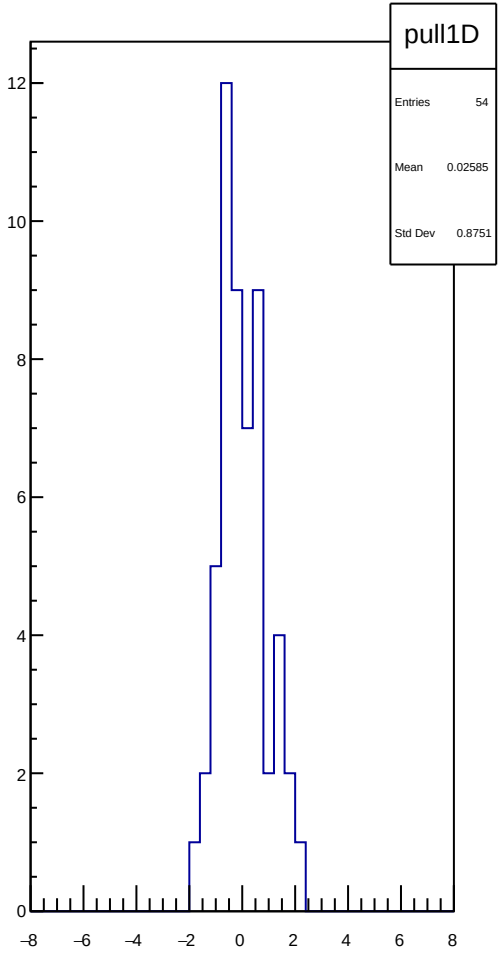
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_usl_cor_correction_mean vs run
χ² / ndf 41.39 / 53
p0 1544 ± 1236
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 54
Mean 63.44
Std Dev 29.33
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 54
Mean 0.02585
Std Dev 0.8751
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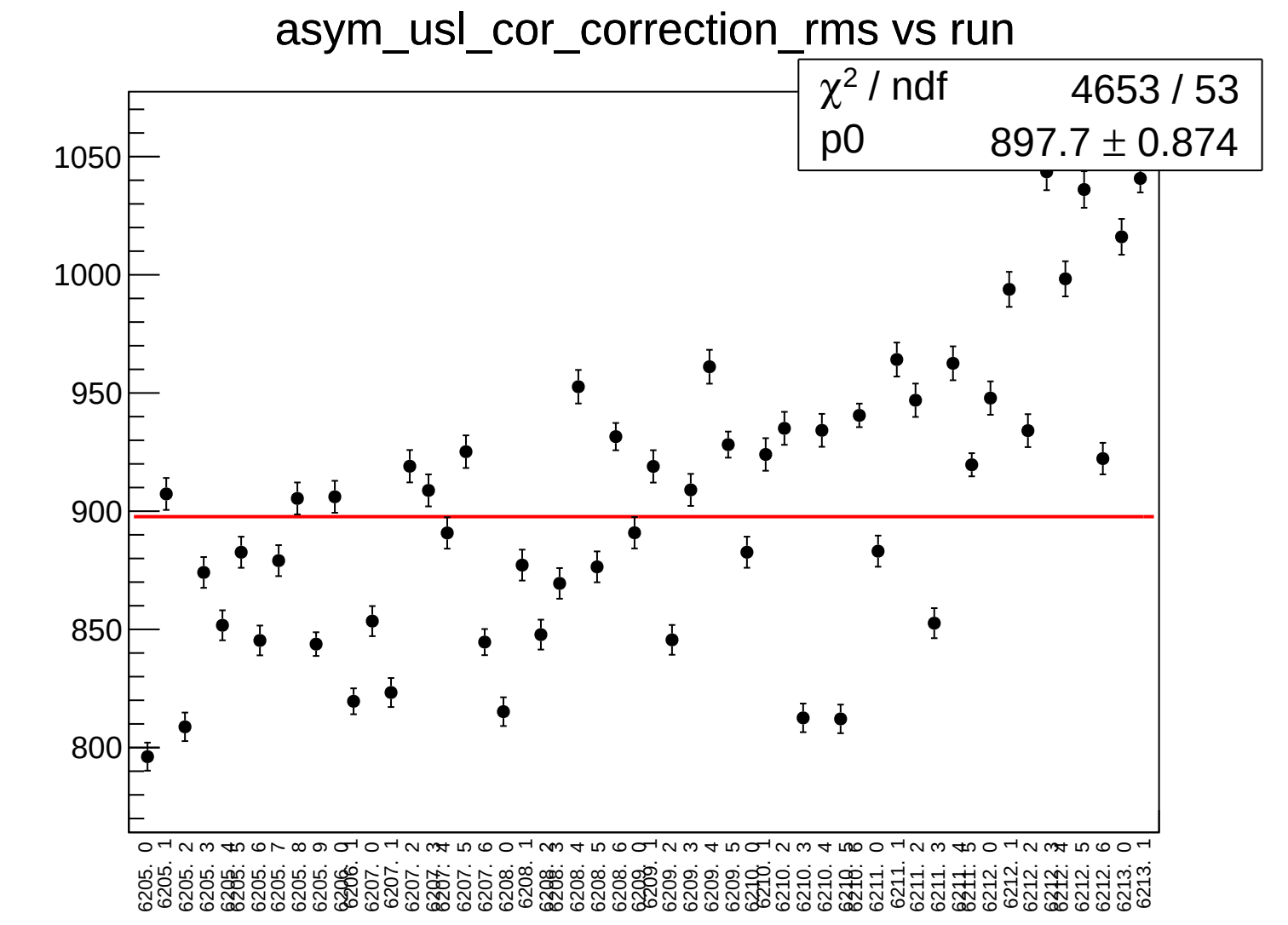
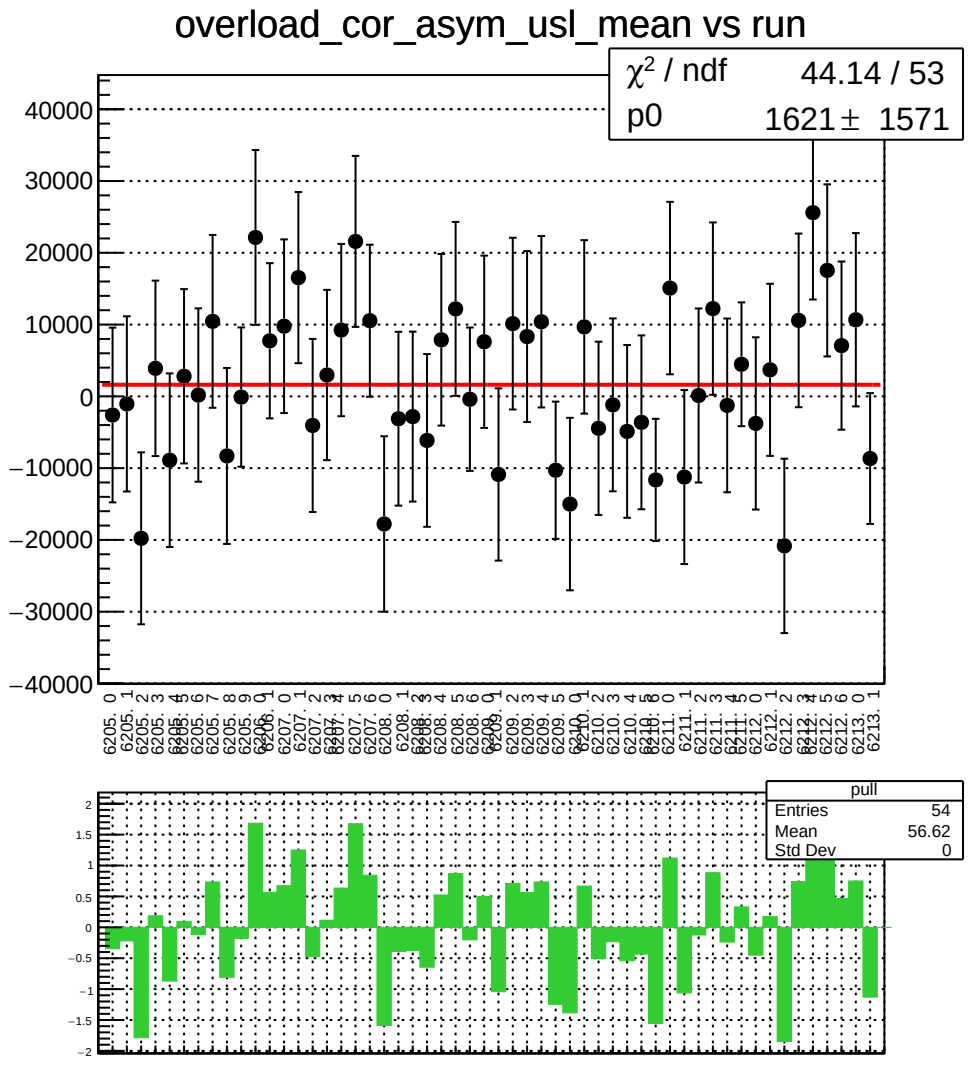
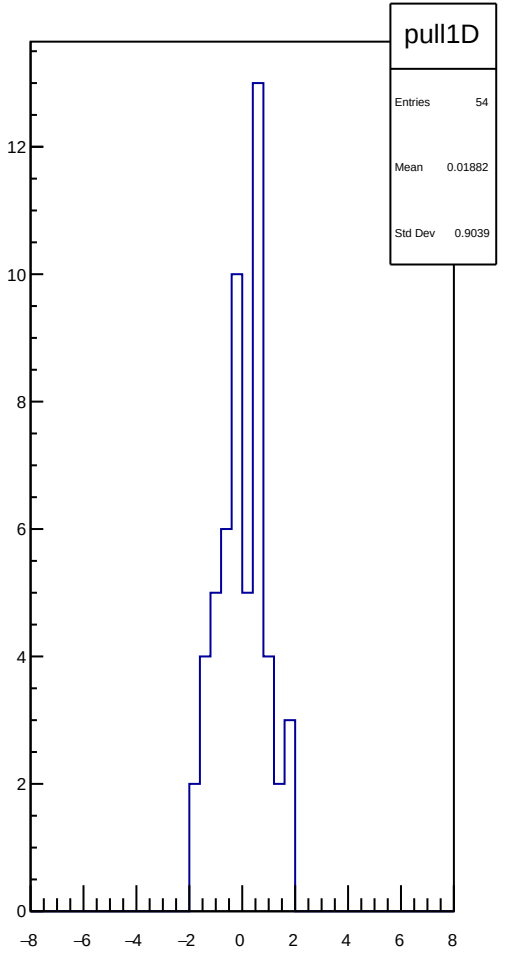
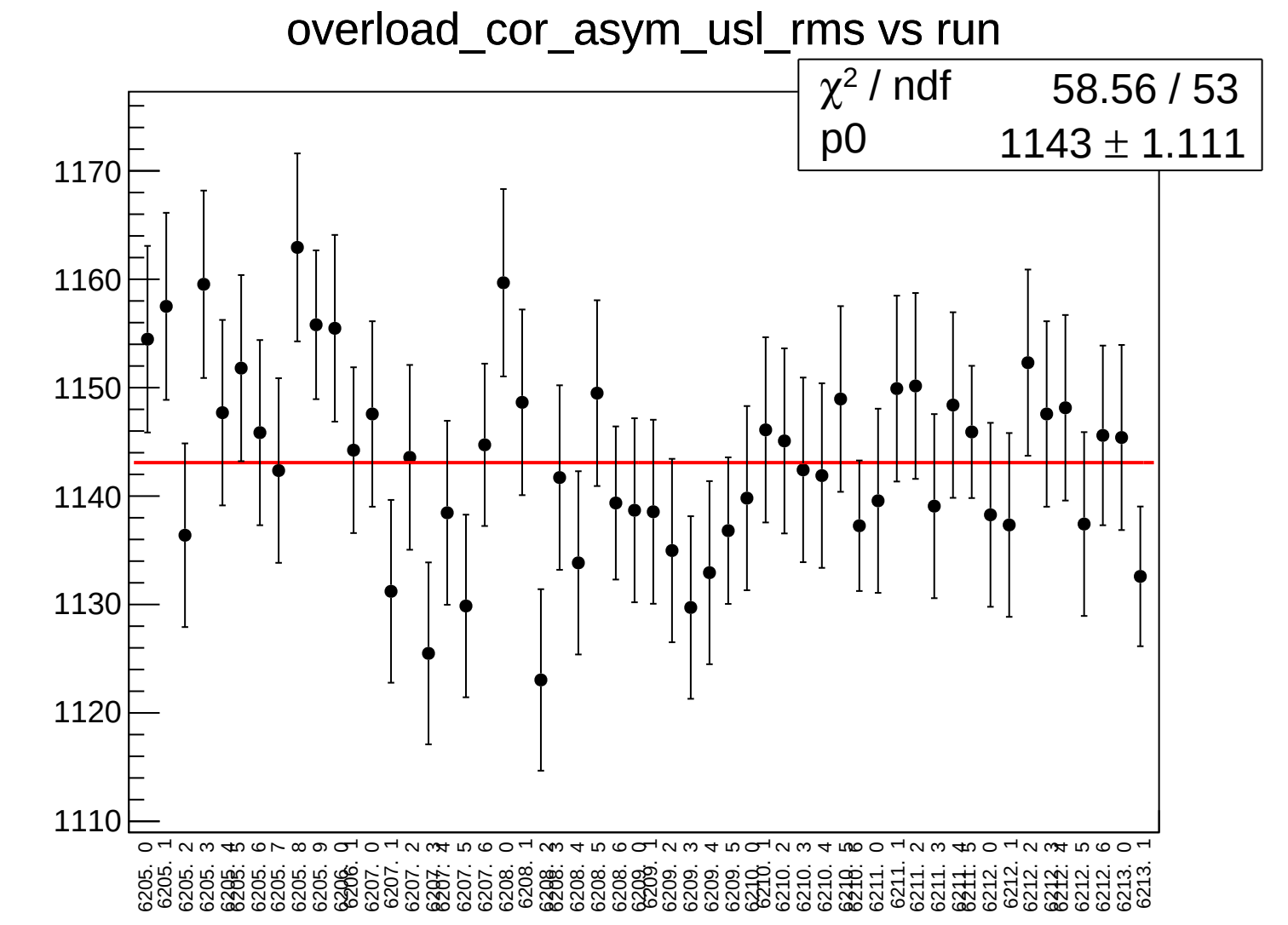
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_usl_cor_correction_rms vs run
χ² / ndf 4653 / 53
p0 897.7 ± 0.874
1050
1000
950
900
850
800
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


overload_cor_asym_usl_mean vs run
χ² / ndf 44.14 / 53
p0 1621 ± 1571
pull
Entries 54
Mean 56.62
Std Dev 0


pull1D
Entries 54
Mean 0.01882
Std Dev 0.9039


overload_cor_asym_usl_rms vs run
χ² / ndf 58.56 / 53
p0 1143 ± 1.111
1170
1160
1150
1140
1130
1120
1110
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
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6211. 0
6211. 1
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6211. 3
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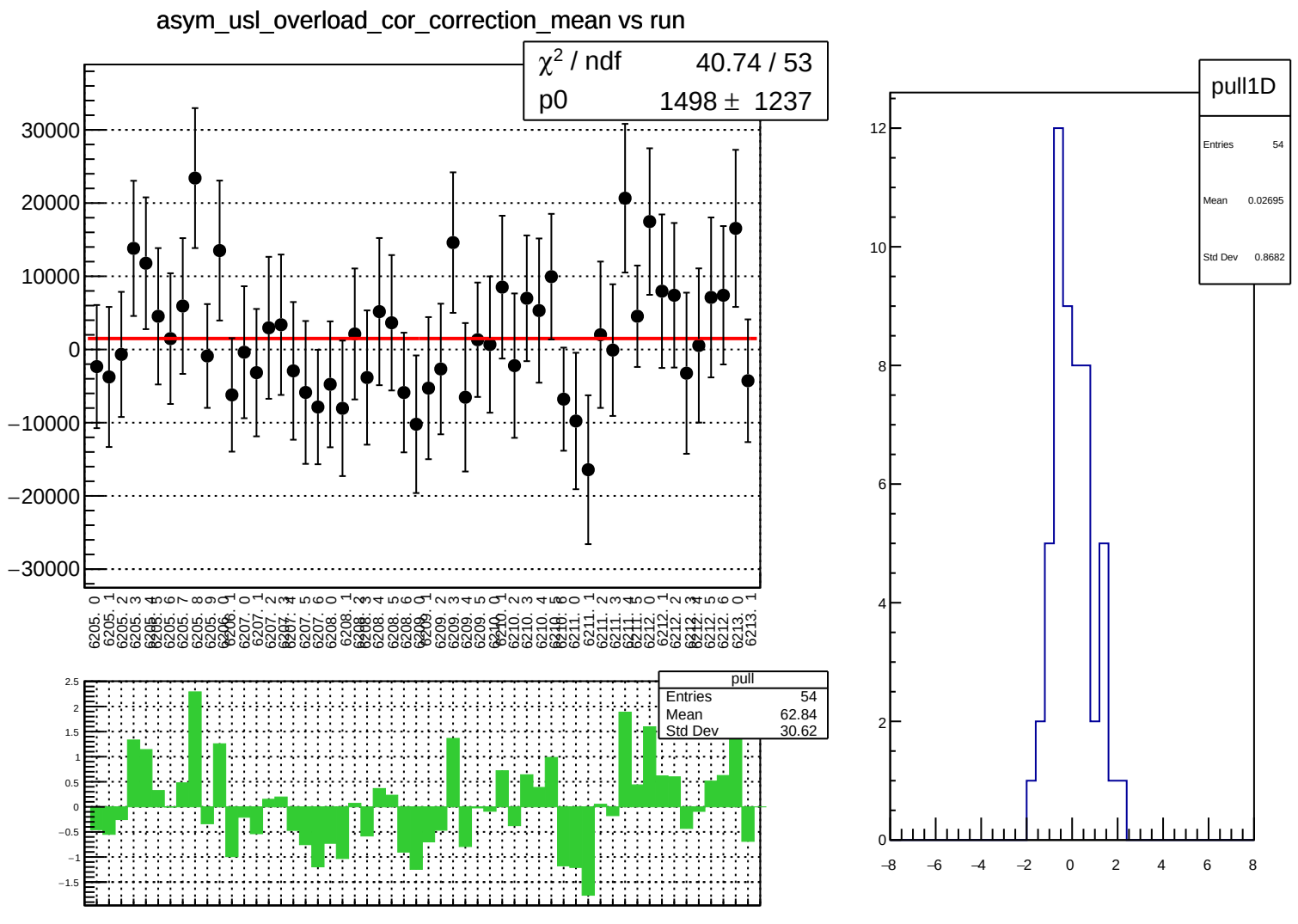
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1


asym_usl_overload_cor_correction_mean vs run
χ² / ndf 40.74 / 53
p0 1498 ± 1237
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 54
Mean 62.84
Std Dev 30.62
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 54
Mean 0.02695
Std Dev 0.8682
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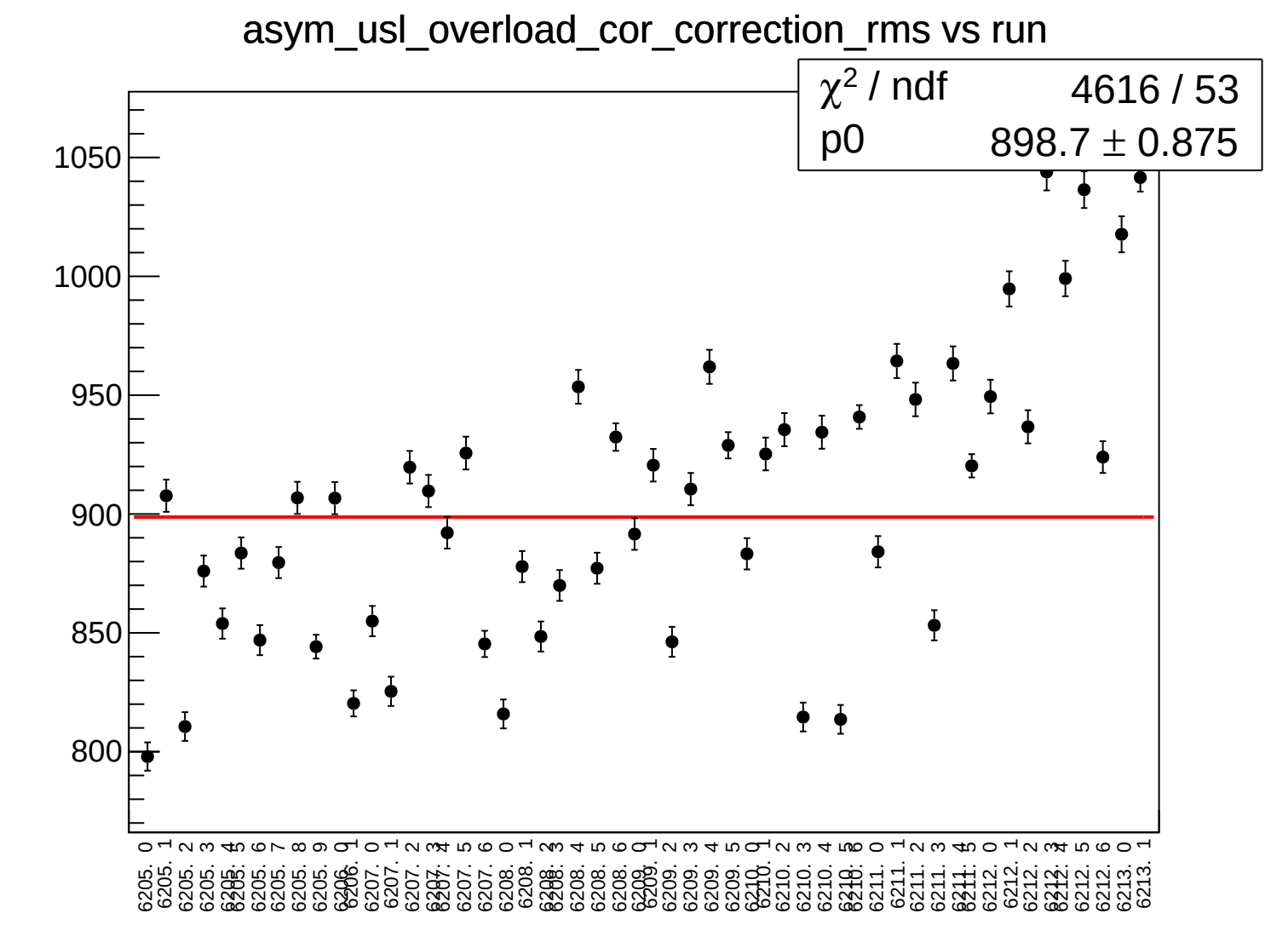
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_usl_overload_cor_correction_rms vs run
χ² / ndf 4616 / 53
p0 898.7 ± 0.875
1050
1000
950
900
850
800
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
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6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
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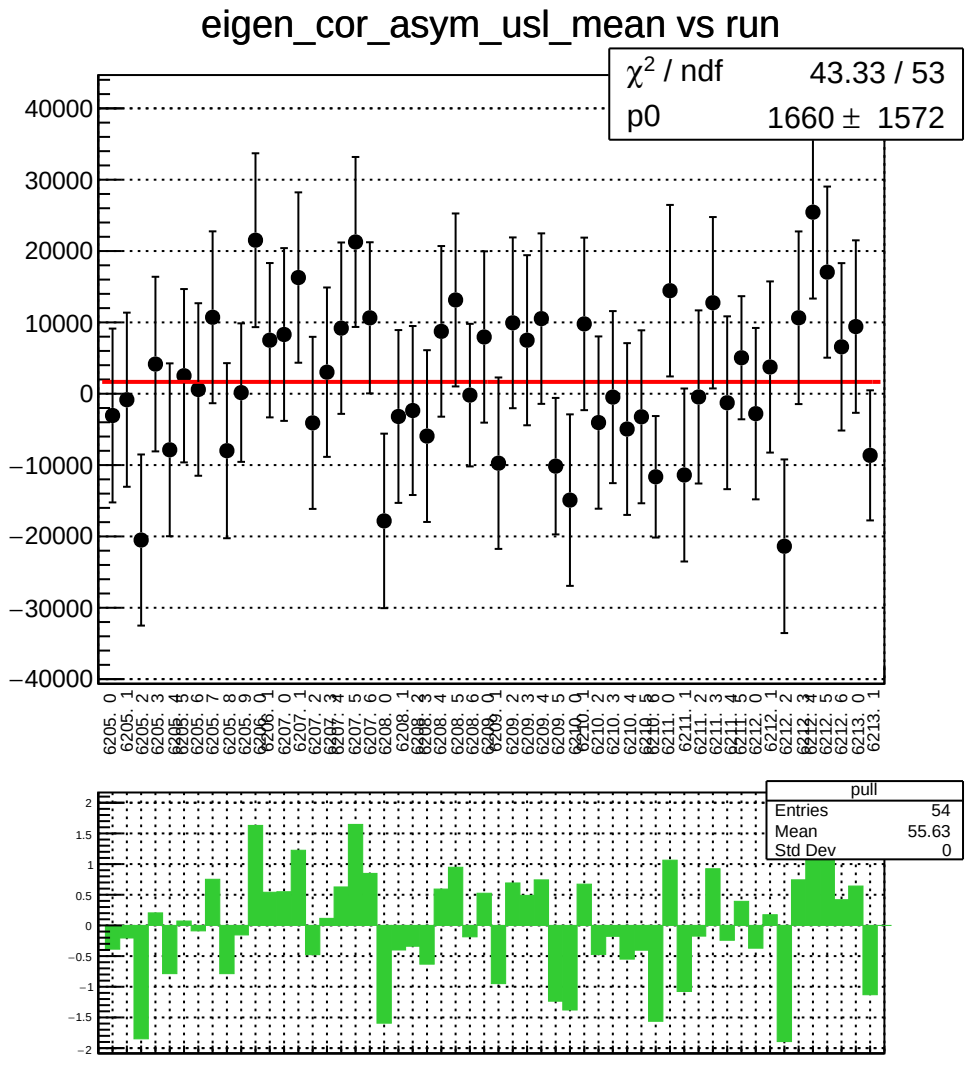
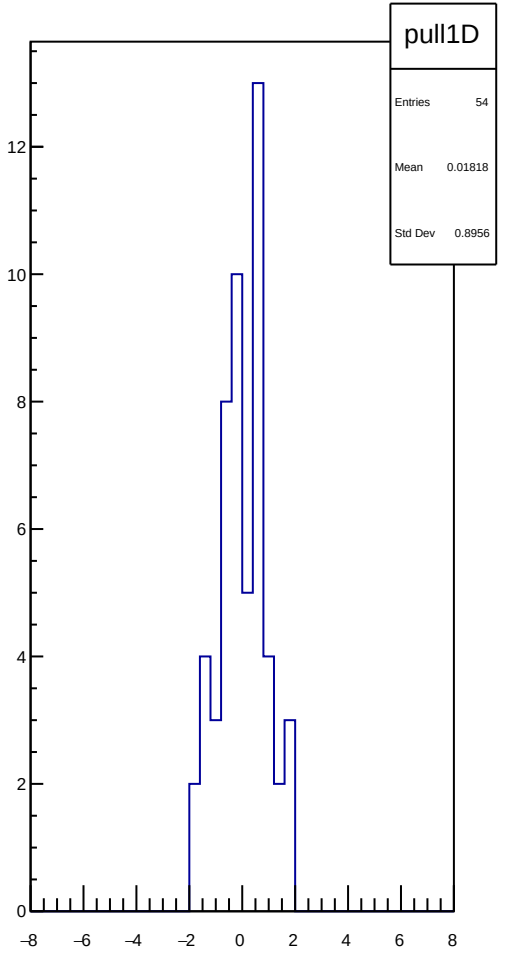
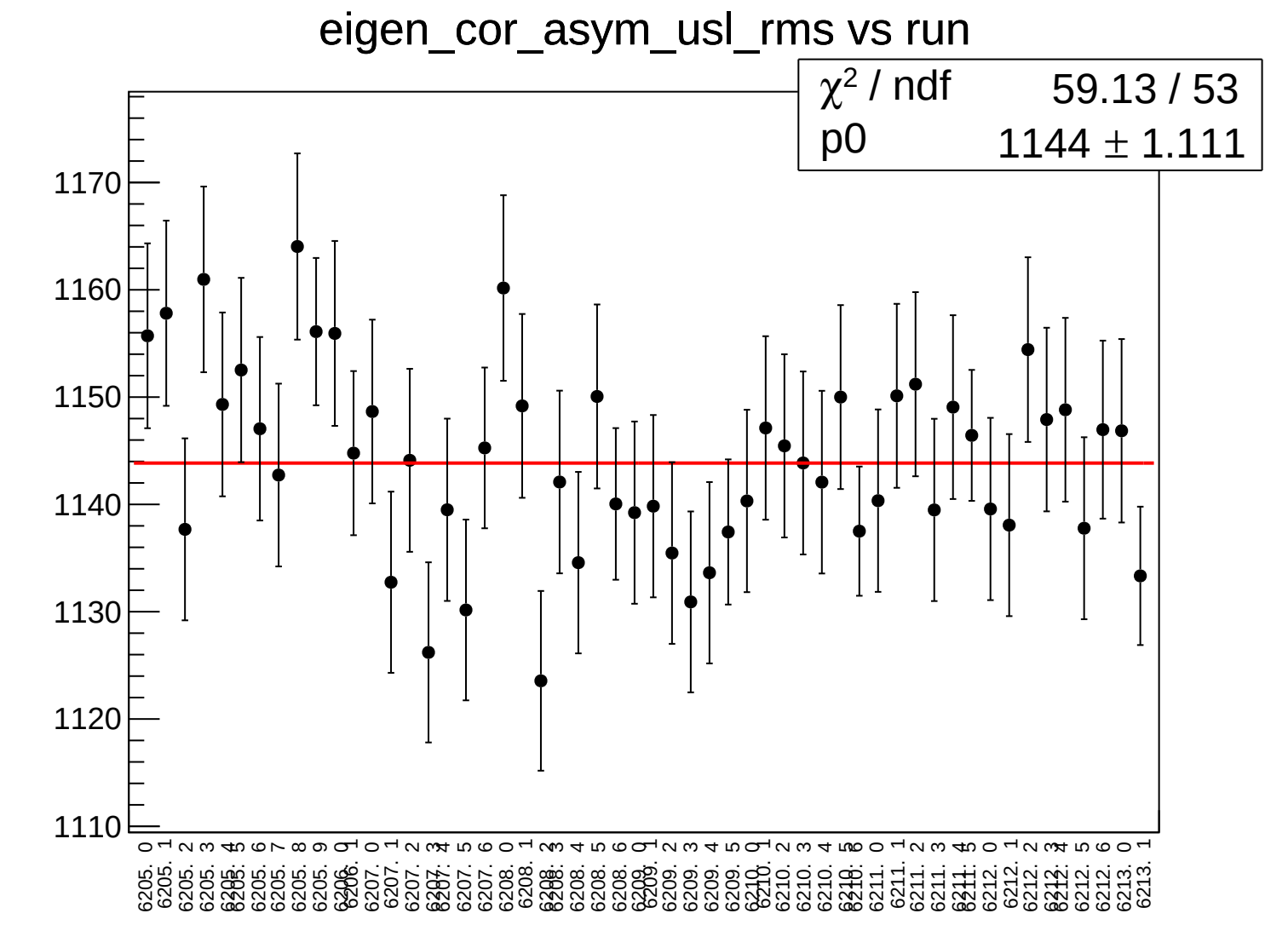
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


eigen_cor_asym_usl_mean vs run
χ² / ndf 43.33 / 53
p0 1660 ± 1572
pull
Entries 54
Mean 55.63
Std Dev 0


pull1D
Entries 54
Mean 0.01818
Std Dev 0.8956


eigen_cor_asym_usl_rms vs run
χ² / ndf 59.13 / 53
p0 1144 ± 1.111
1170
1160
1150
1140
1130
1120
1110
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
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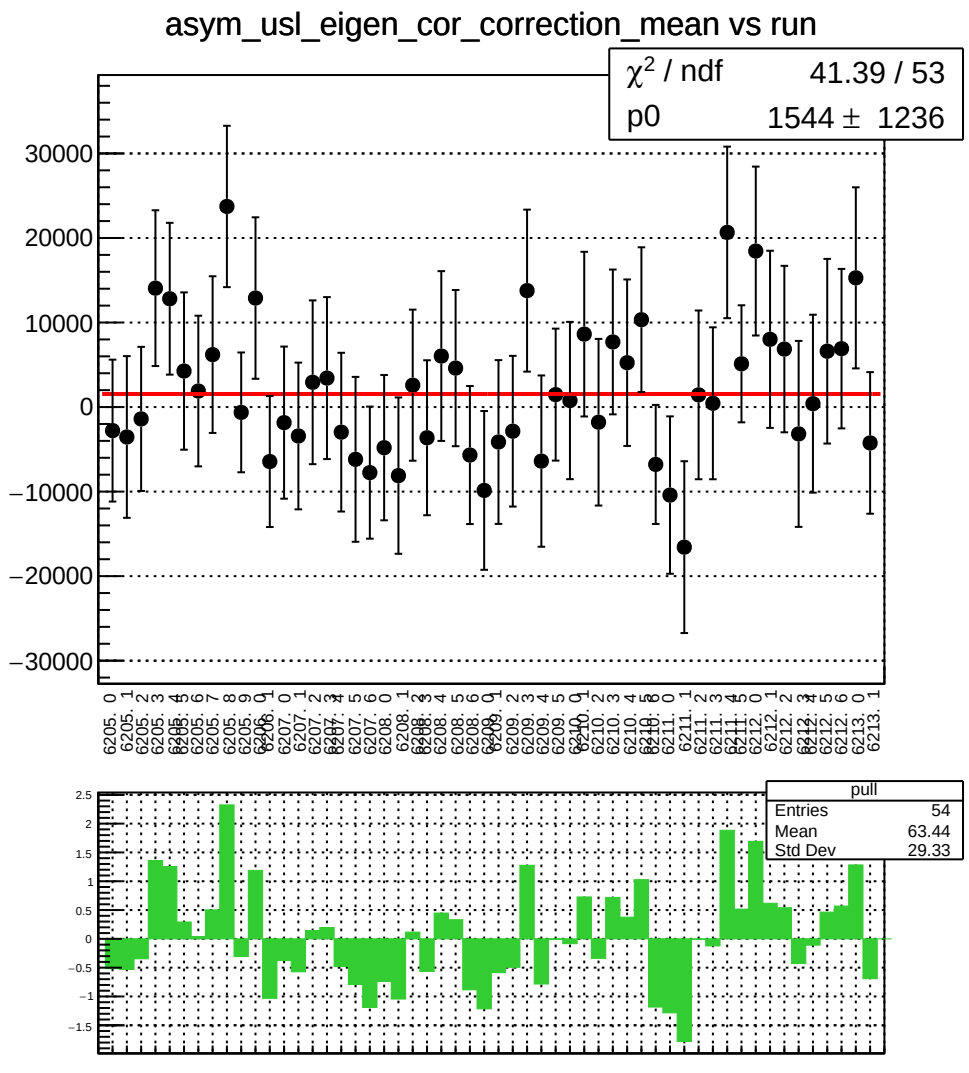
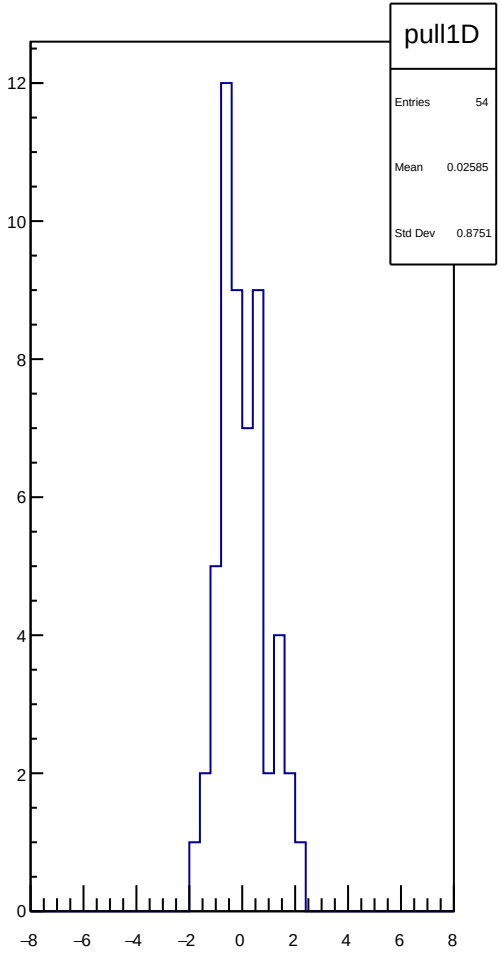
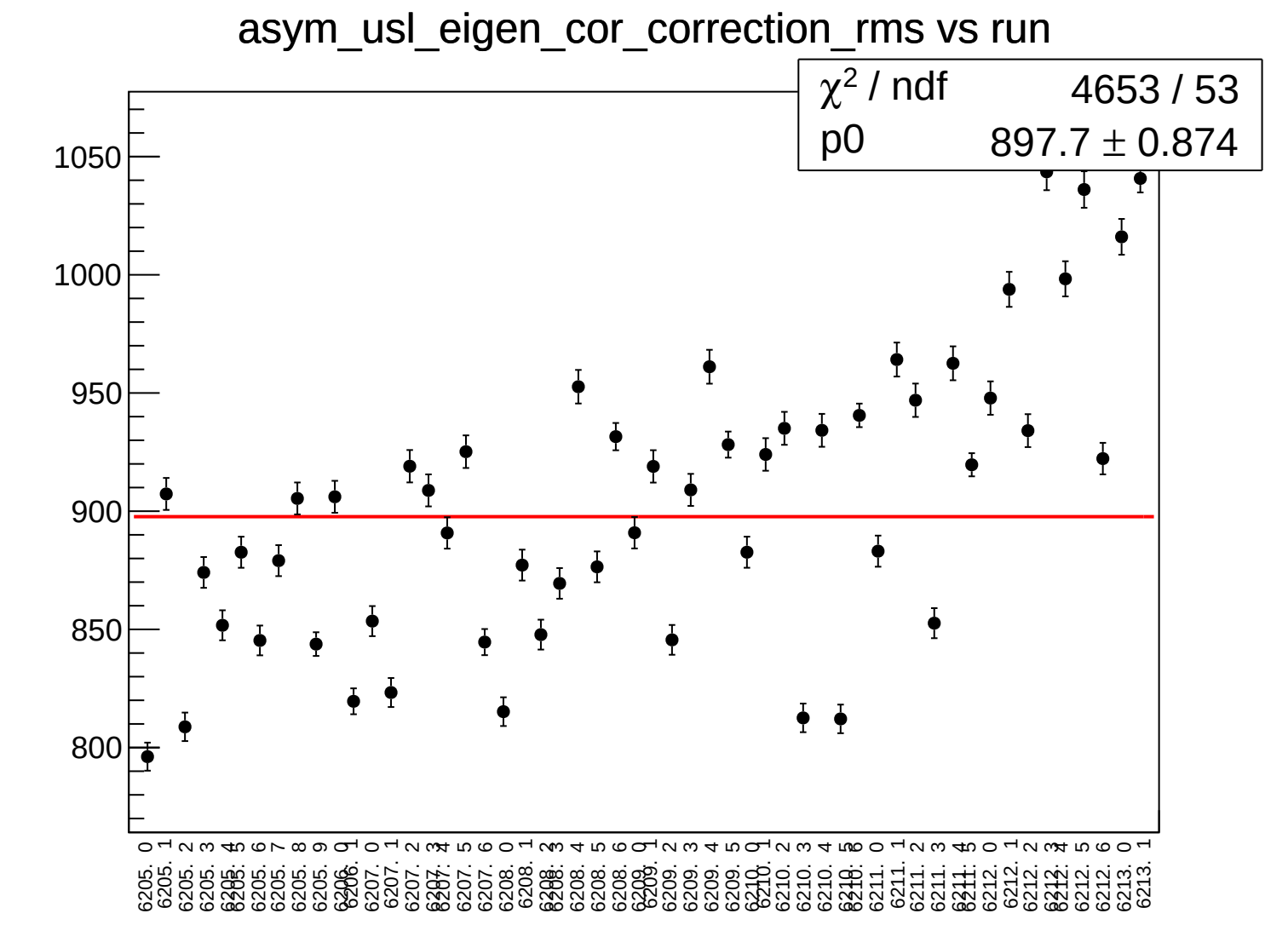
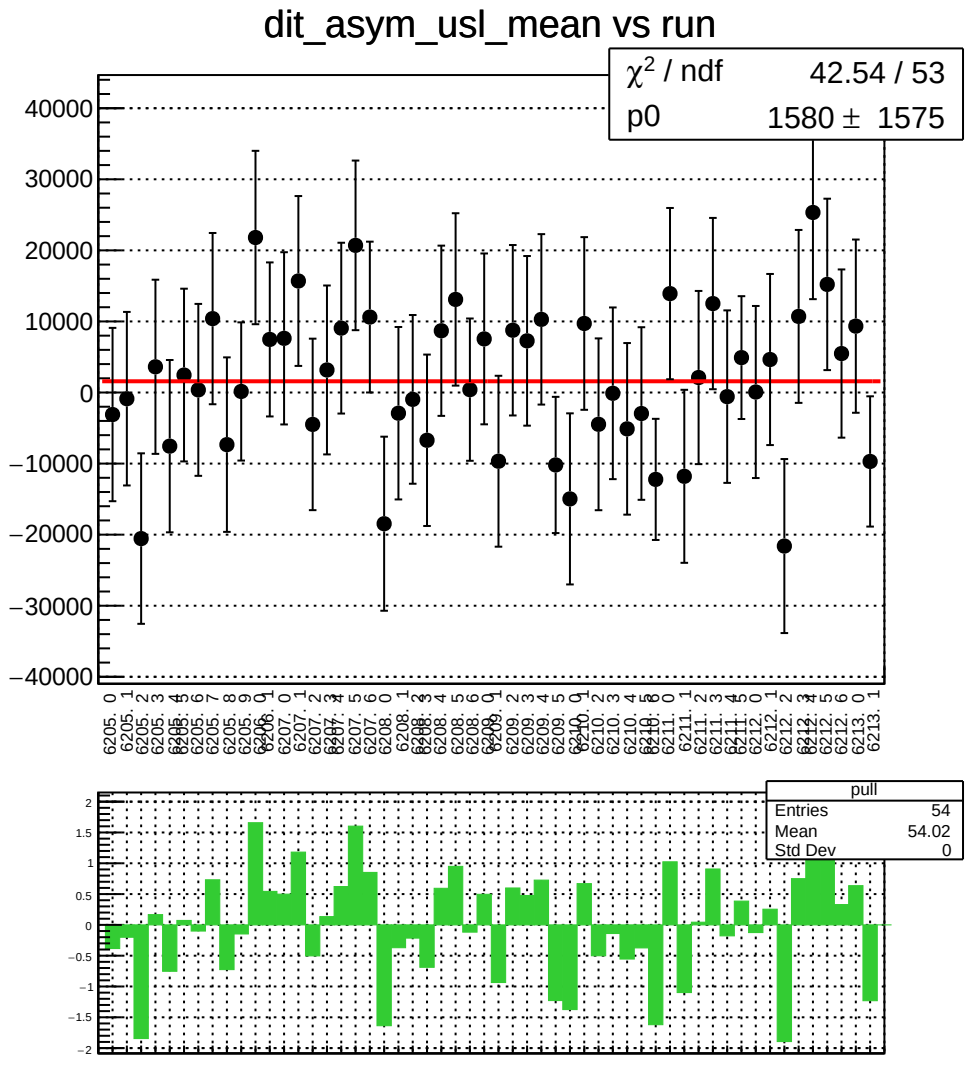
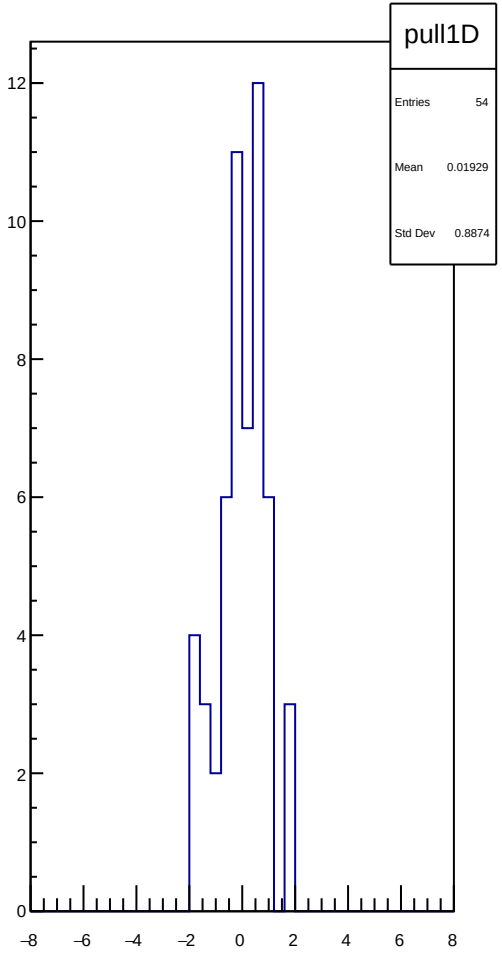
6212. 5
6212. 6
6213. 0
6213. 1

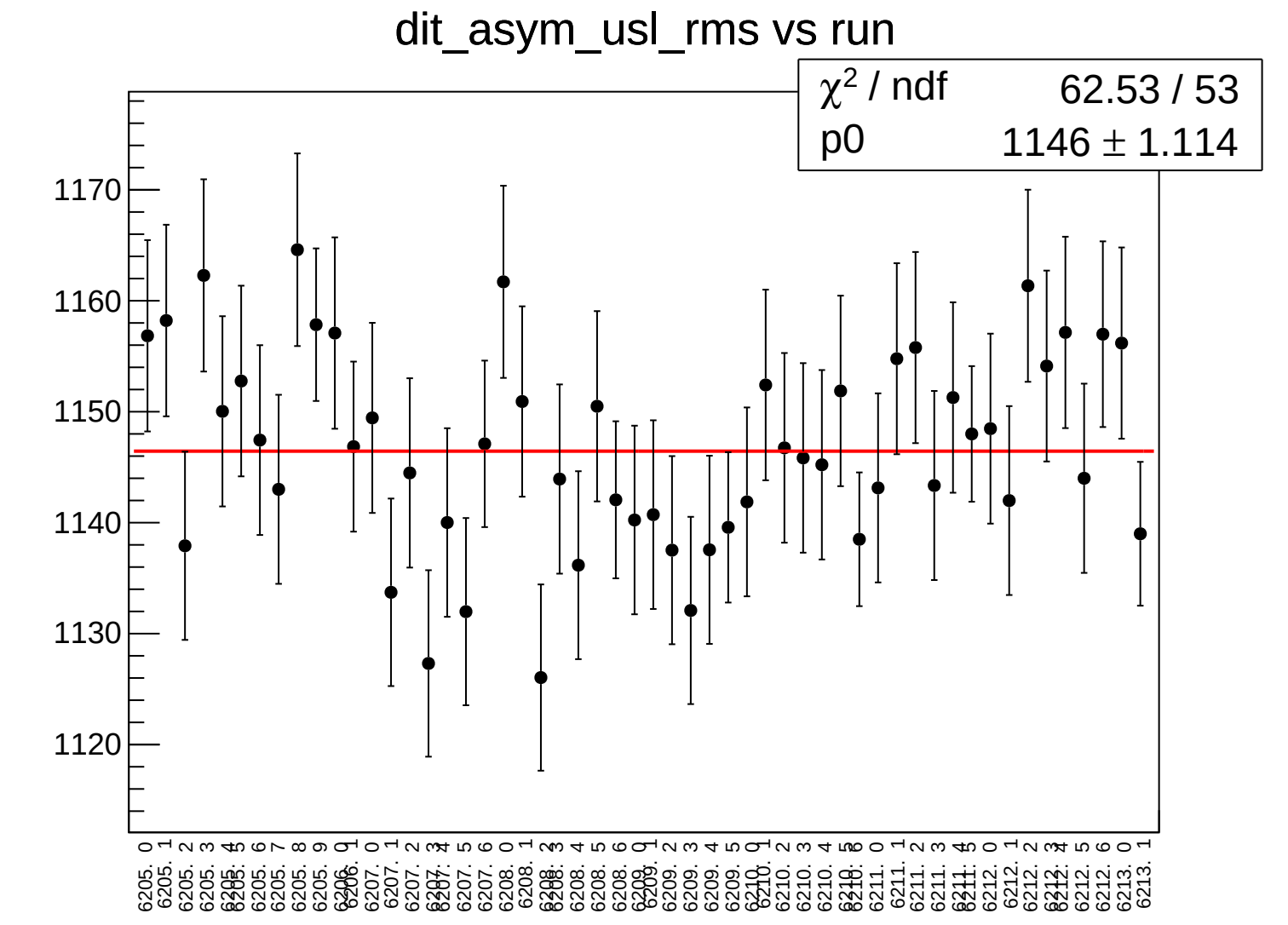

asym_usl_eigen_cor_correction_mean vs run
χ² / ndf 41.39 / 53
p0 1544 ± 1236
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 54
Mean 63.44
Std Dev 29.33
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 54
Mean 0.02585
Std Dev 0.8751
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_usl_eigen_cor_correction_rms vs run
χ² / ndf 4653 / 53
p0 897.7 ± 0.874
1050
1000
950
900
850
800
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


dit_asym_usl_mean vs run
χ² / ndf 42.54 / 53
p0 1580 ± 1575
pull
Entries 54
Mean 54.02
Std Dev 0


pull1D
Entries 54
Mean 0.01929
Std Dev 0.8874


dit_asym_usl_rms vs run
χ² / ndf 62.53 / 53
p0 1146 ± 1.114
1170
1160
1150
1140
1130
1120
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
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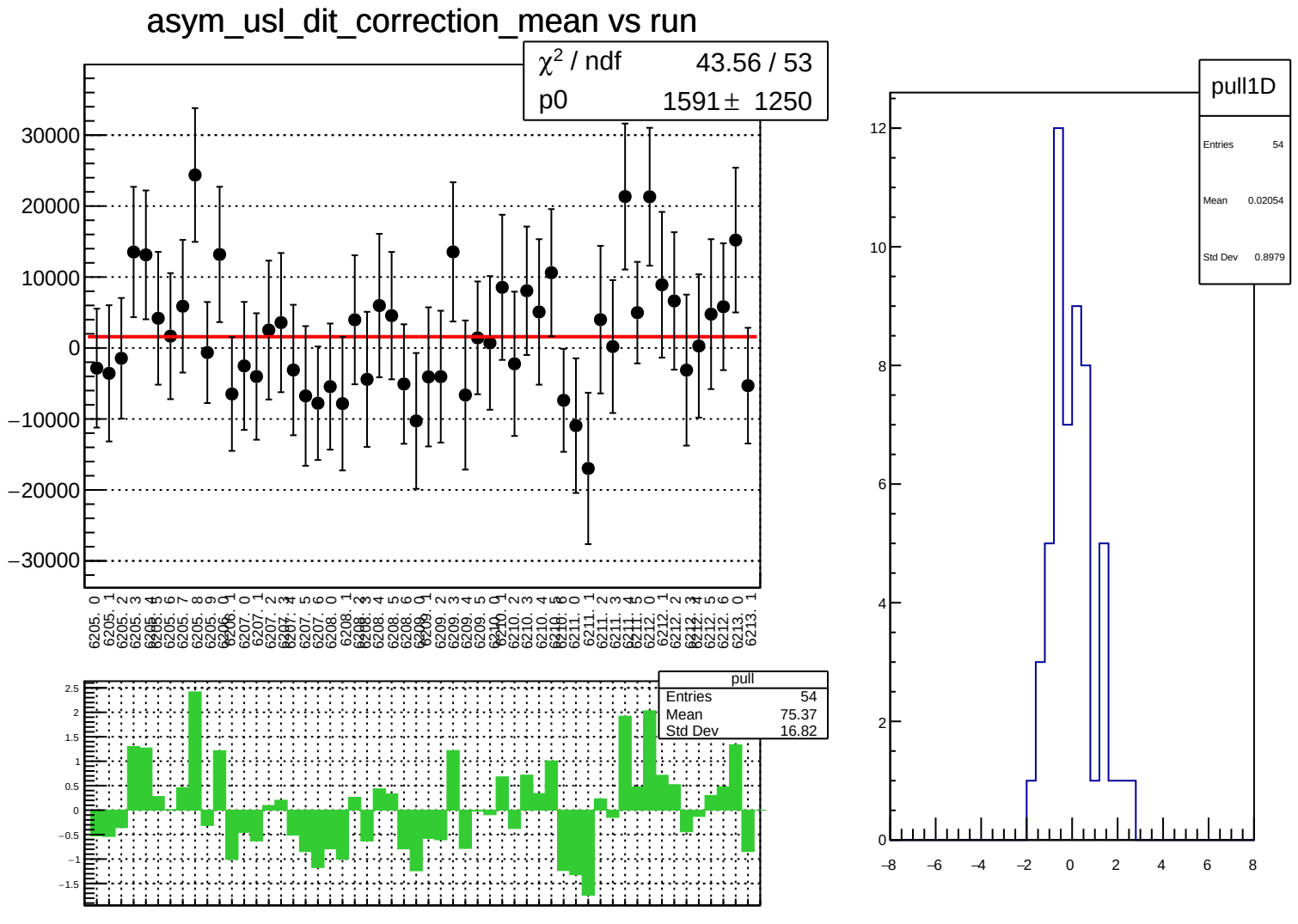
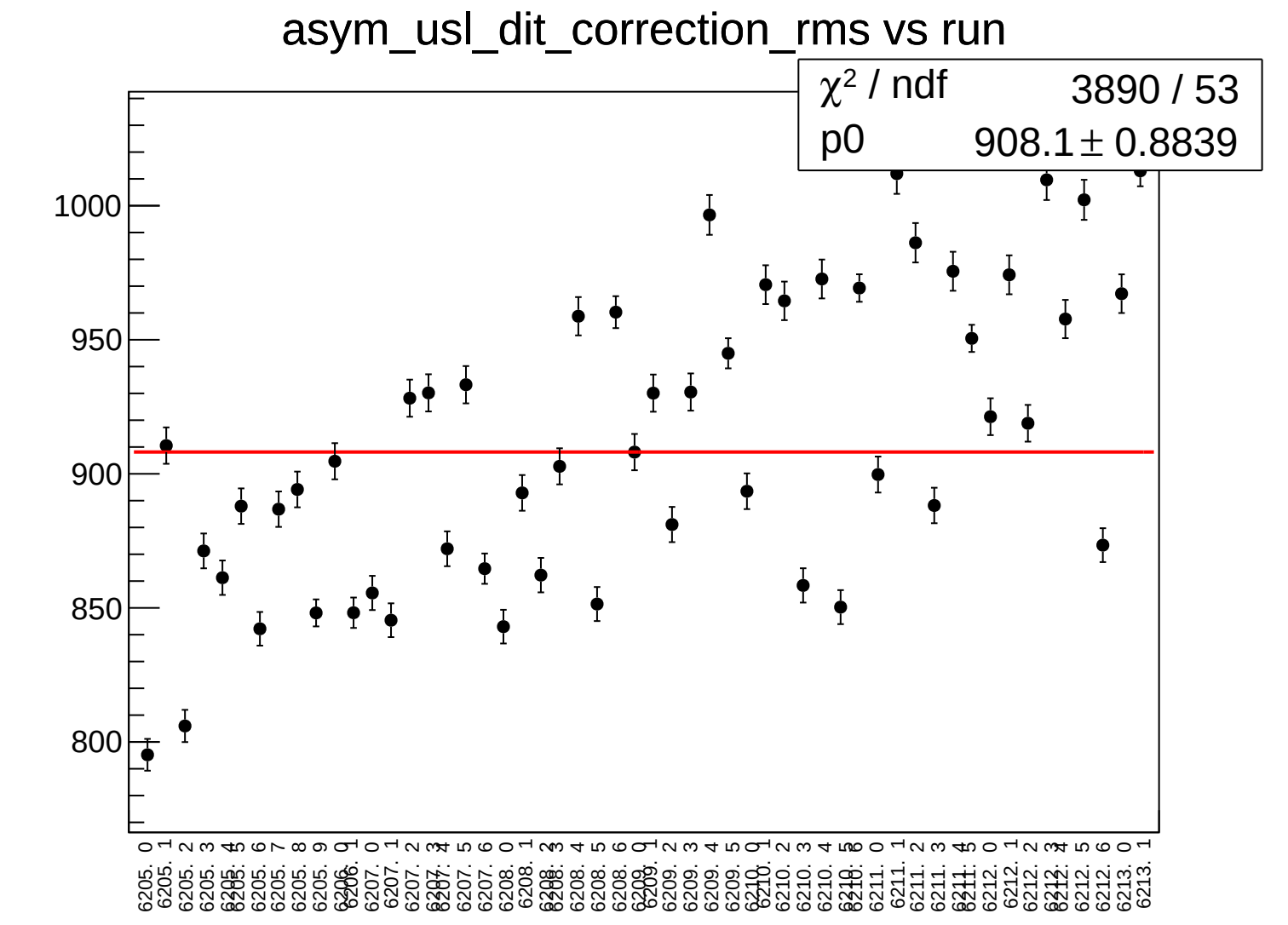
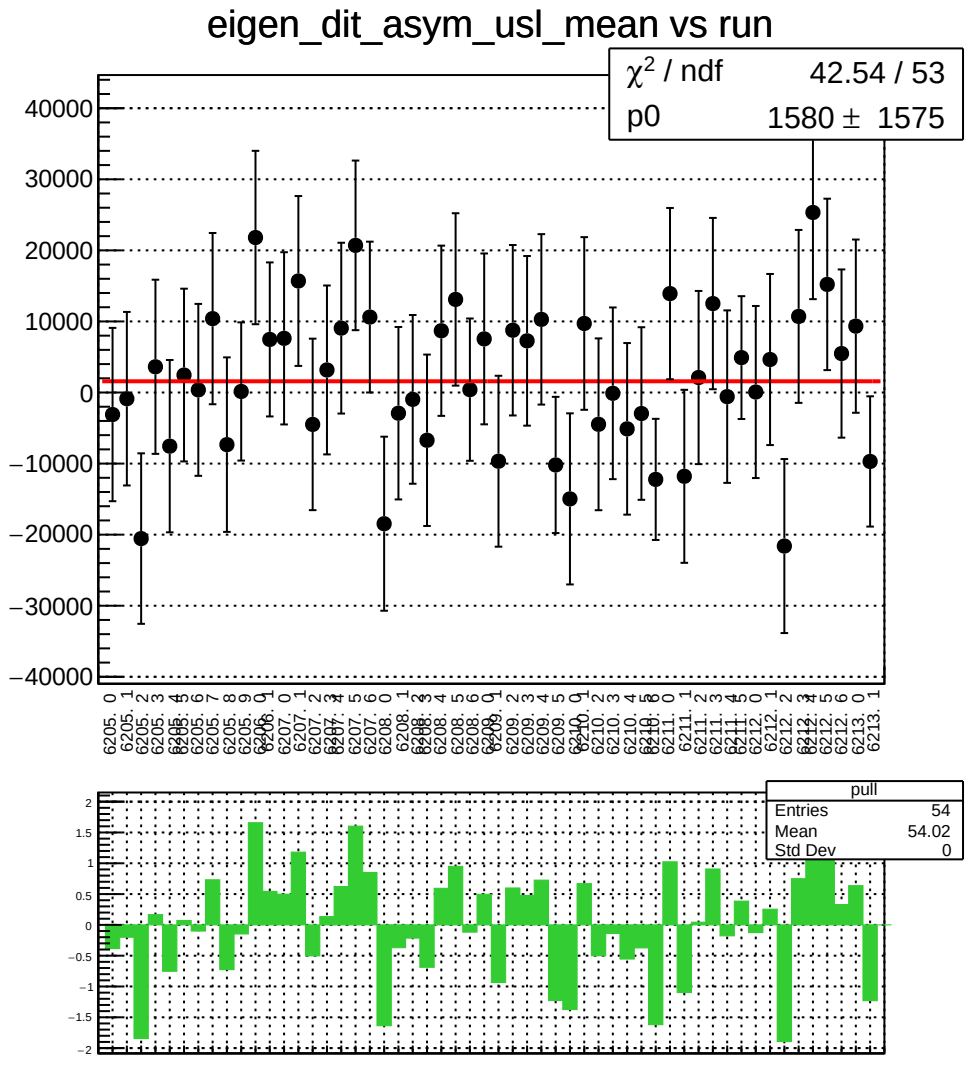
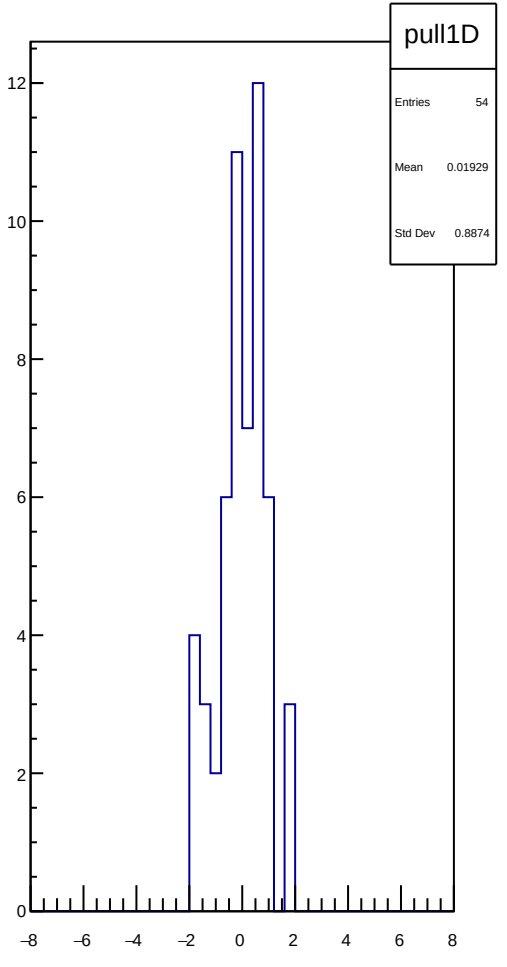
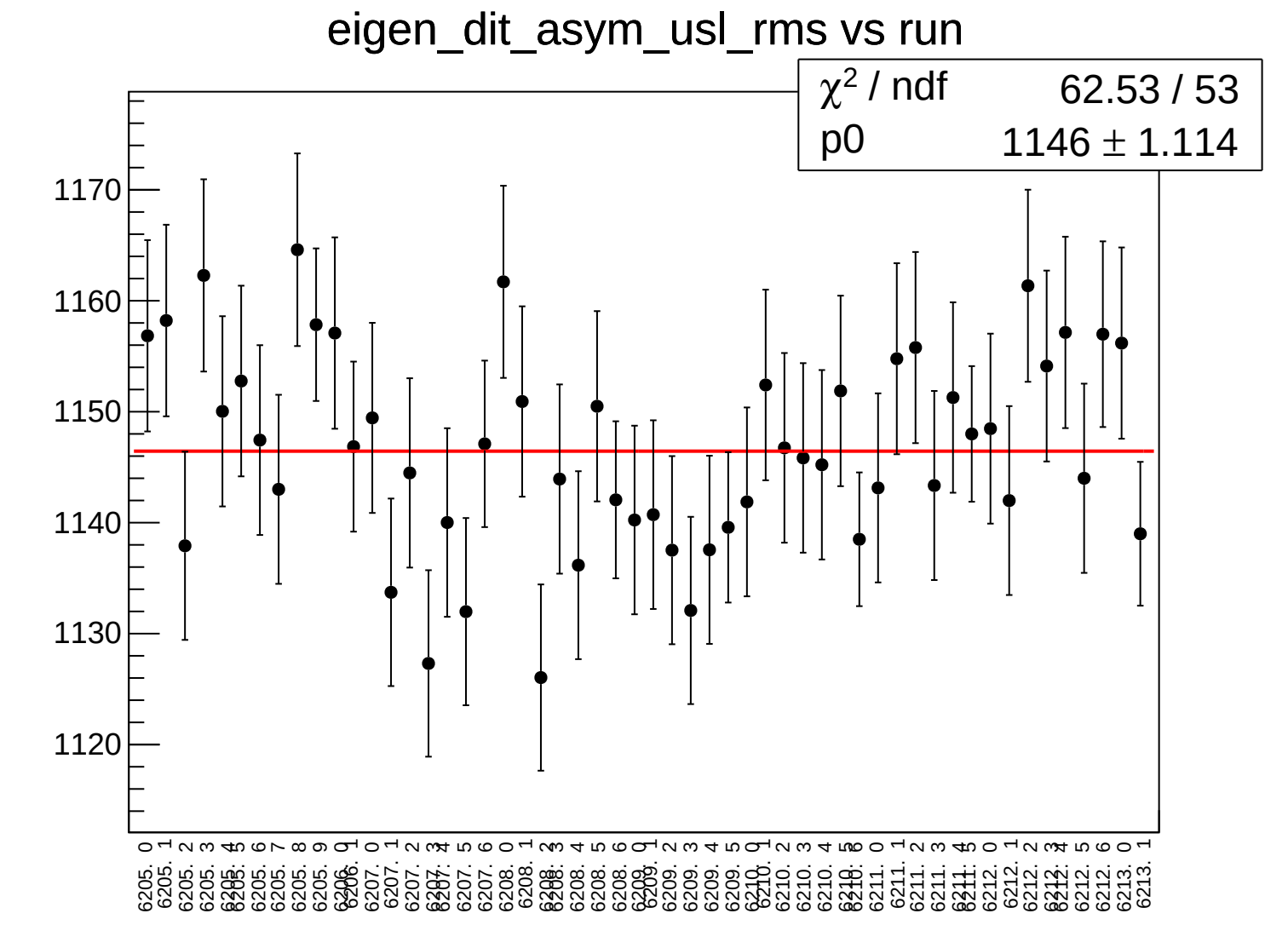
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

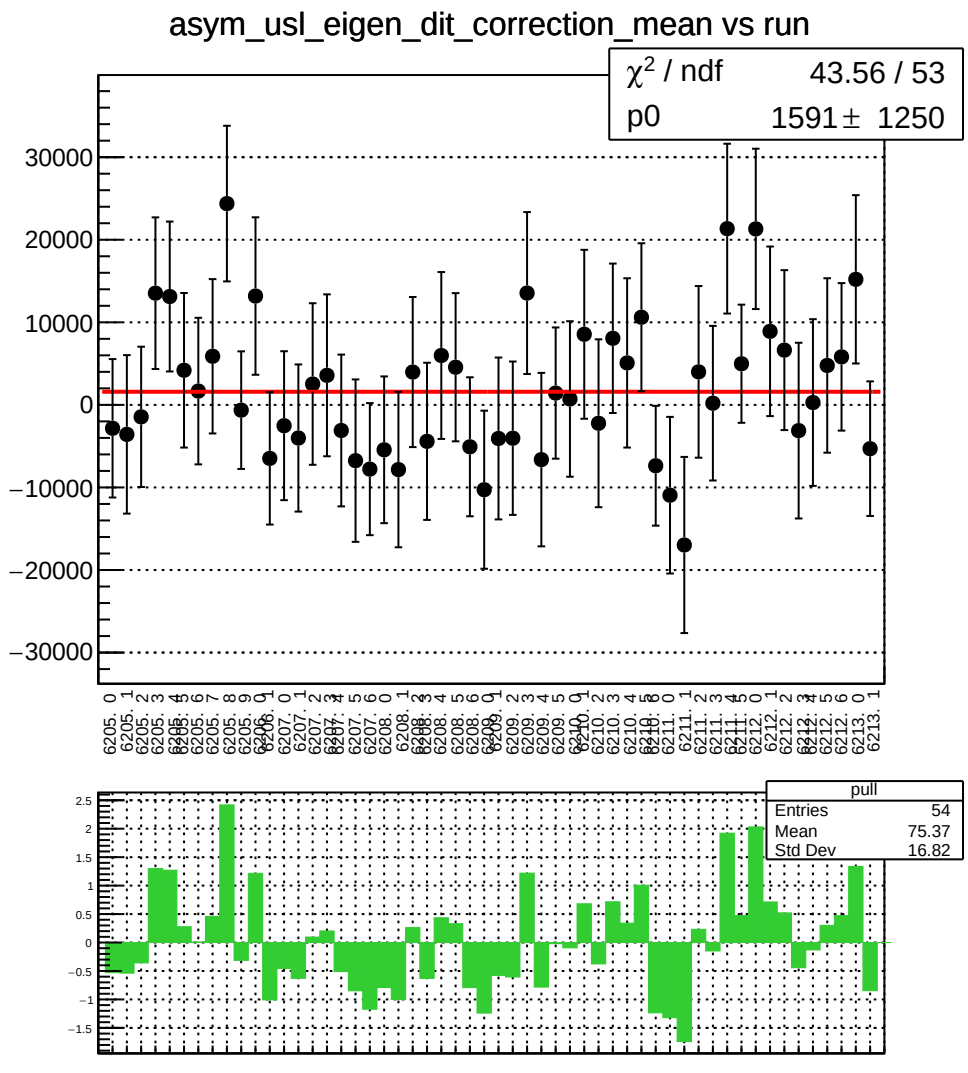

asym_usl_dit_correction_mean vs run
χ² / ndf 43.56 / 53
p0 1591 ± 1250
pull
Entries 54
Mean 75.37
Std Dev 16.82
pull1D
Entries 54
Mean 0.02054
Std Dev 0.8979

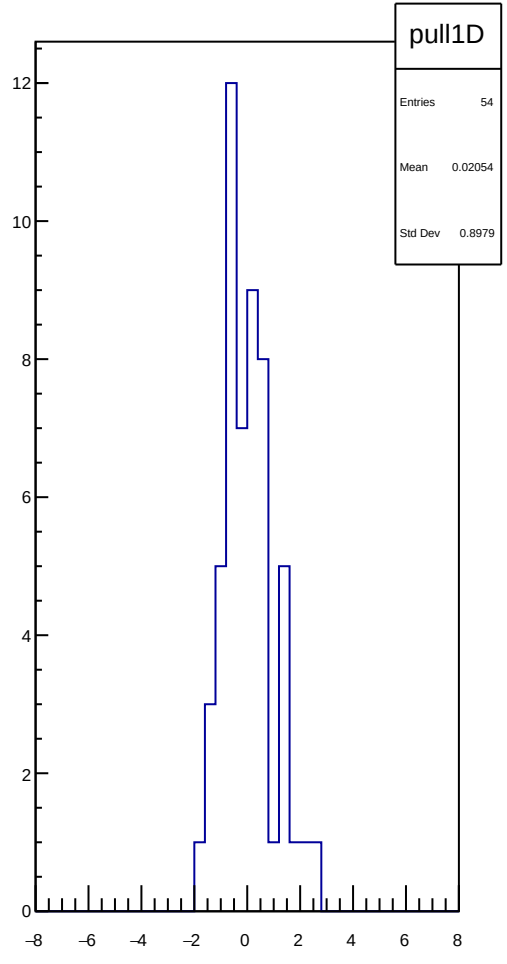

asym_usl_dit_correction_rms vs run
χ² / ndf 3890 / 53
p0 908.1 ± 0.8839
1000
950
900
850
800
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

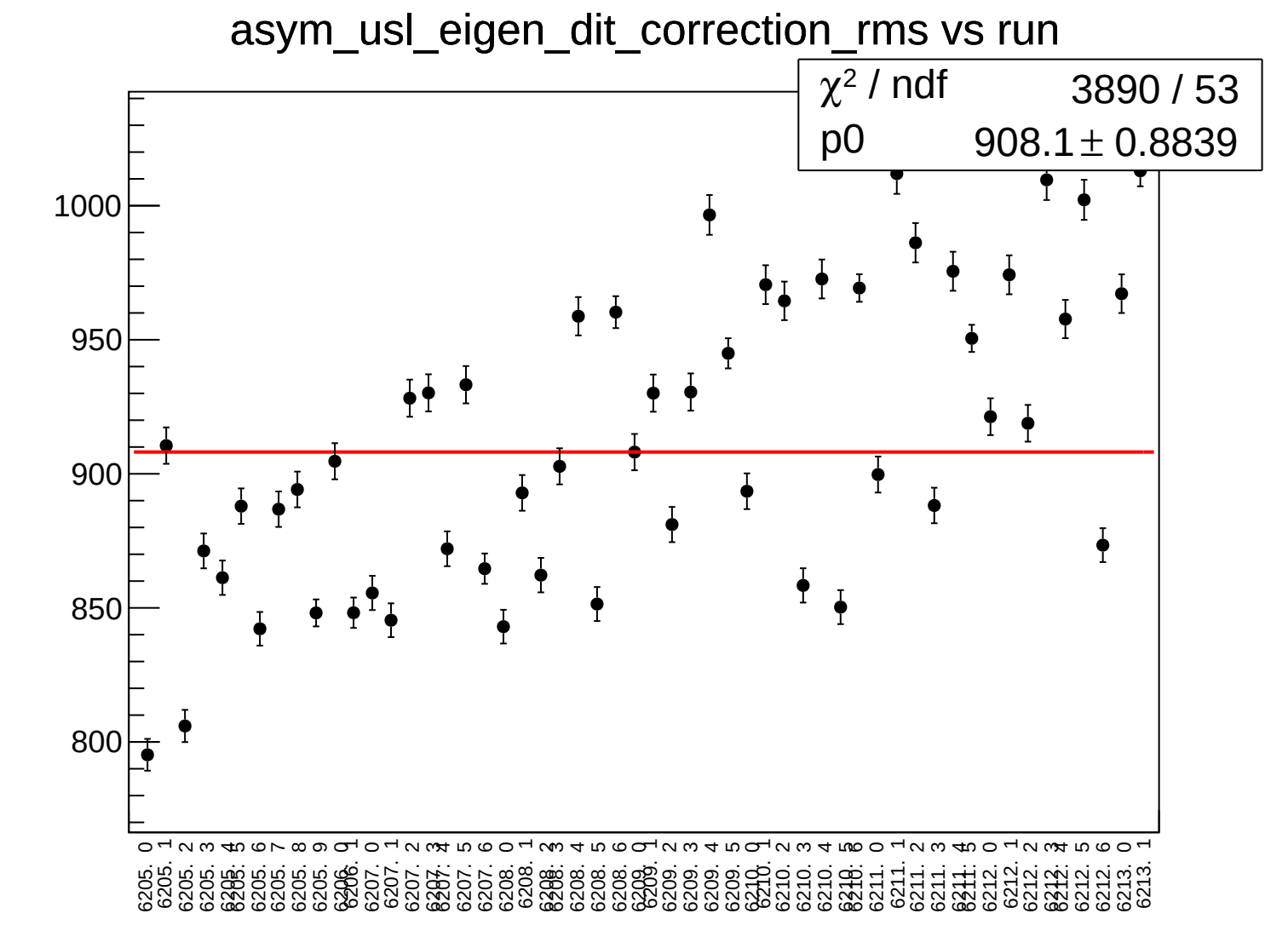

eigen_dit_asym_usl_mean vs run
χ² / ndf 42.54 / 53
p0 1580 ± 1575
pull
Entries 54
Mean 54.02
Std Dev 0

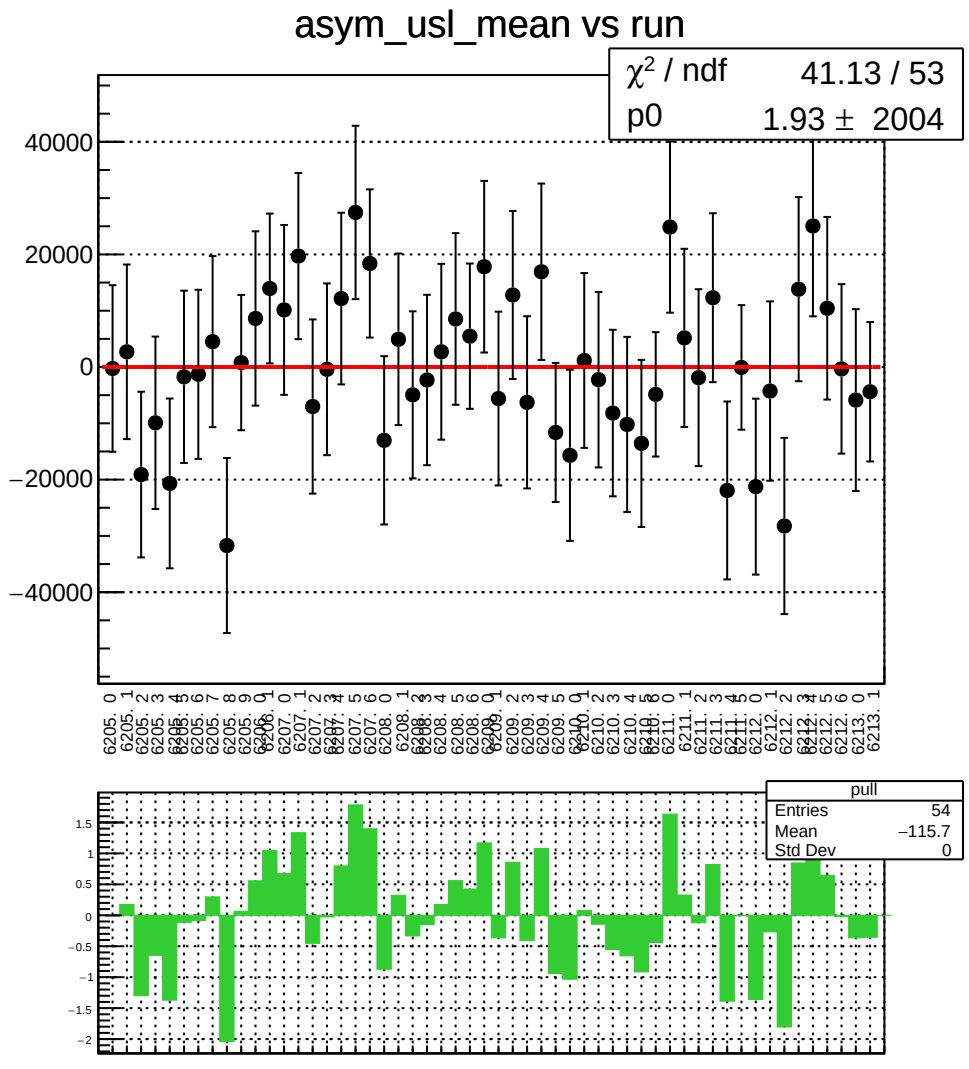

pull1D
Entries 54
Mean 0.01929
Std Dev 0.8874

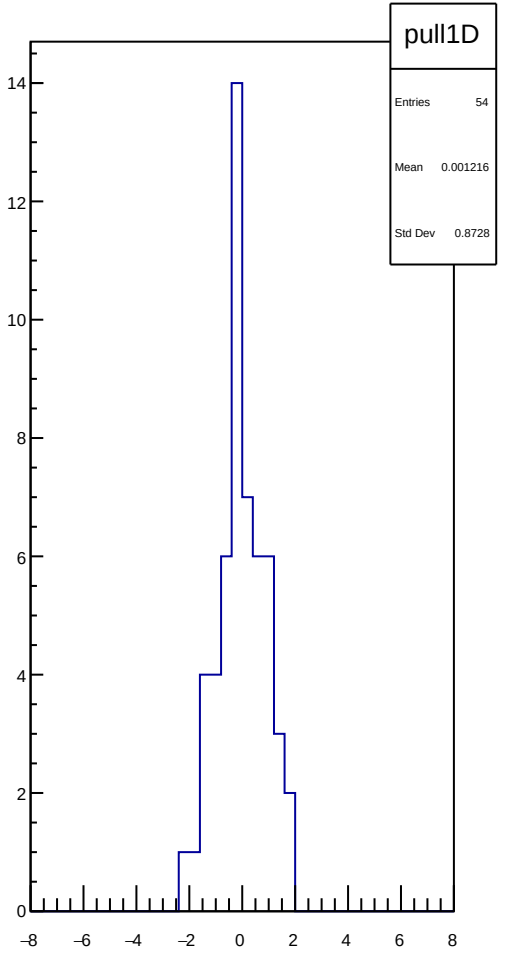

eigen_dit_asym_usl_rms vs run
χ^2 / ndf 62.53 / 53
p0 1146 ± 1.114
1170
1160
1150
1140
1130
1120
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

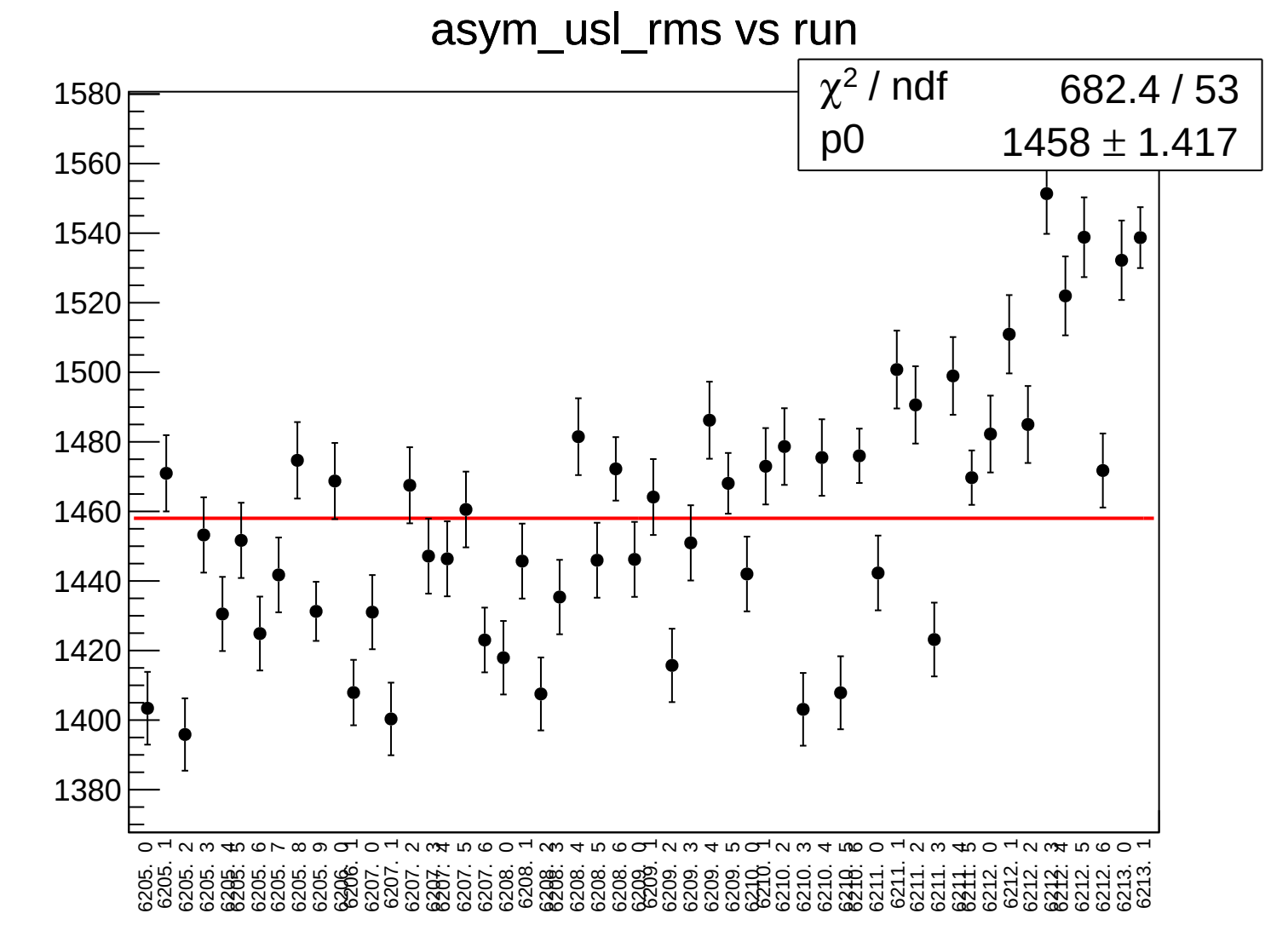

asym_usl_eigen_dit_correction_mean vs run
χ² / ndf 43.56 / 53
p0 1591 ± 1250
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 54
Mean 75.37
Std Dev 16.82
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 54
Mean 0.02054
Std Dev 0.8979
12
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 3890 / 53
p0 908.1 ± 0.8839
1000
950
900
850
800
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_usl_mean vs run
χ^2 / ndf 41.13 / 53
p0 1.93 ± 2004
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −115.7
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 54
Mean 0.001216
Std Dev 0.8728
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_usl_rms vs run
χ² / ndf 682.4 / 53
p0 1458 ± 1.417
1580
1560
1540
1520
1500
1480
1460
1440
1420
1400
1380
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
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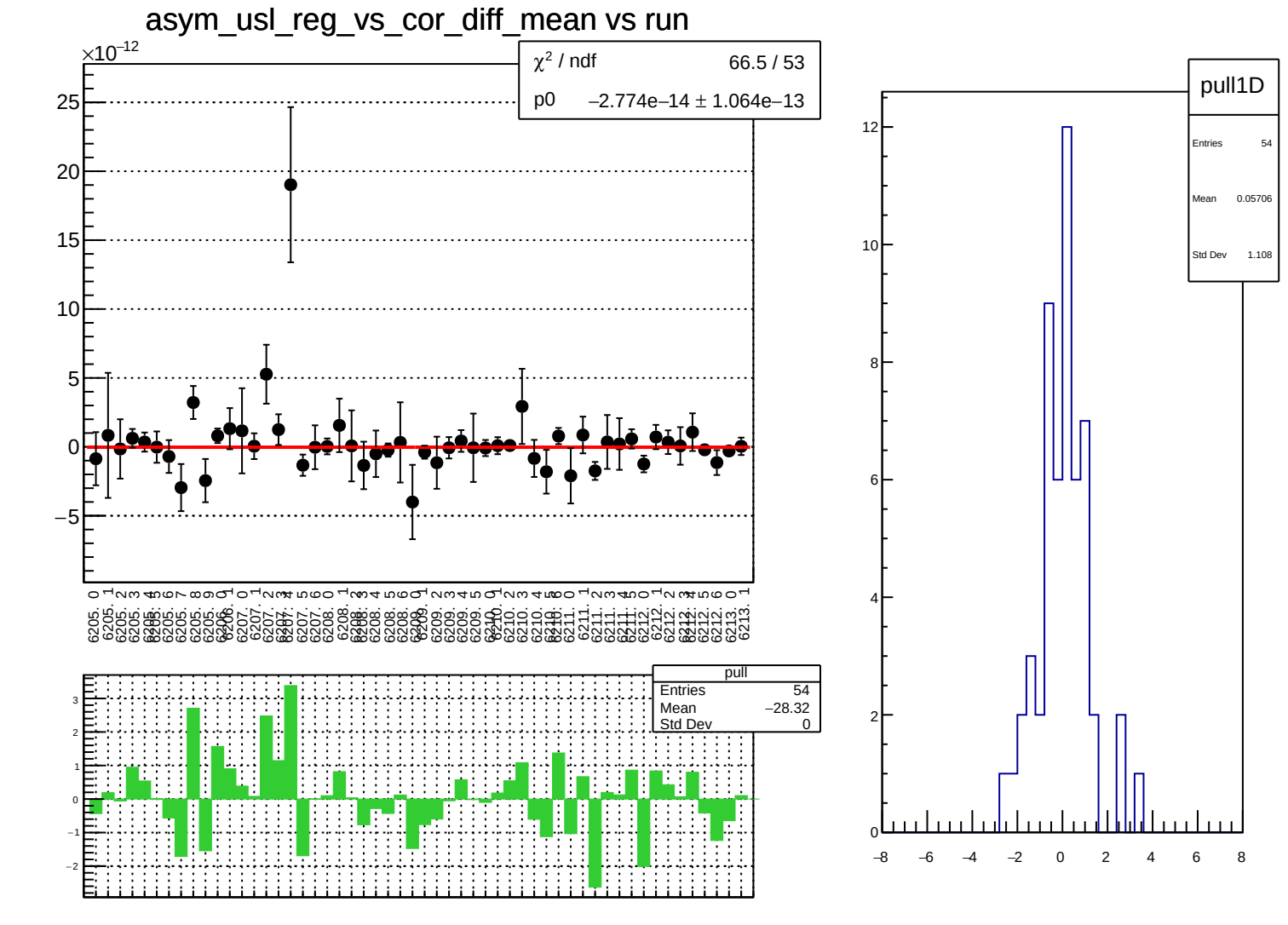
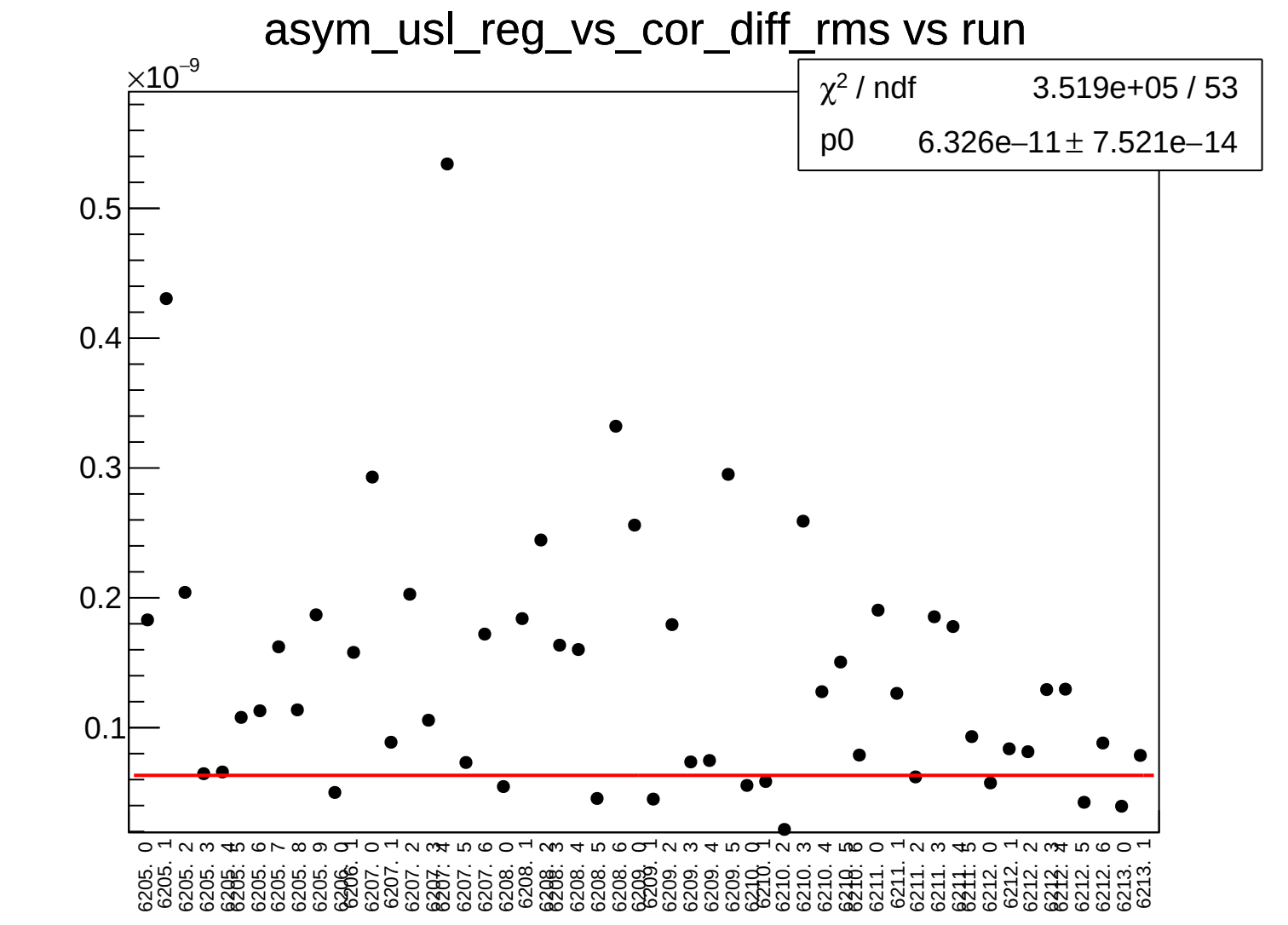
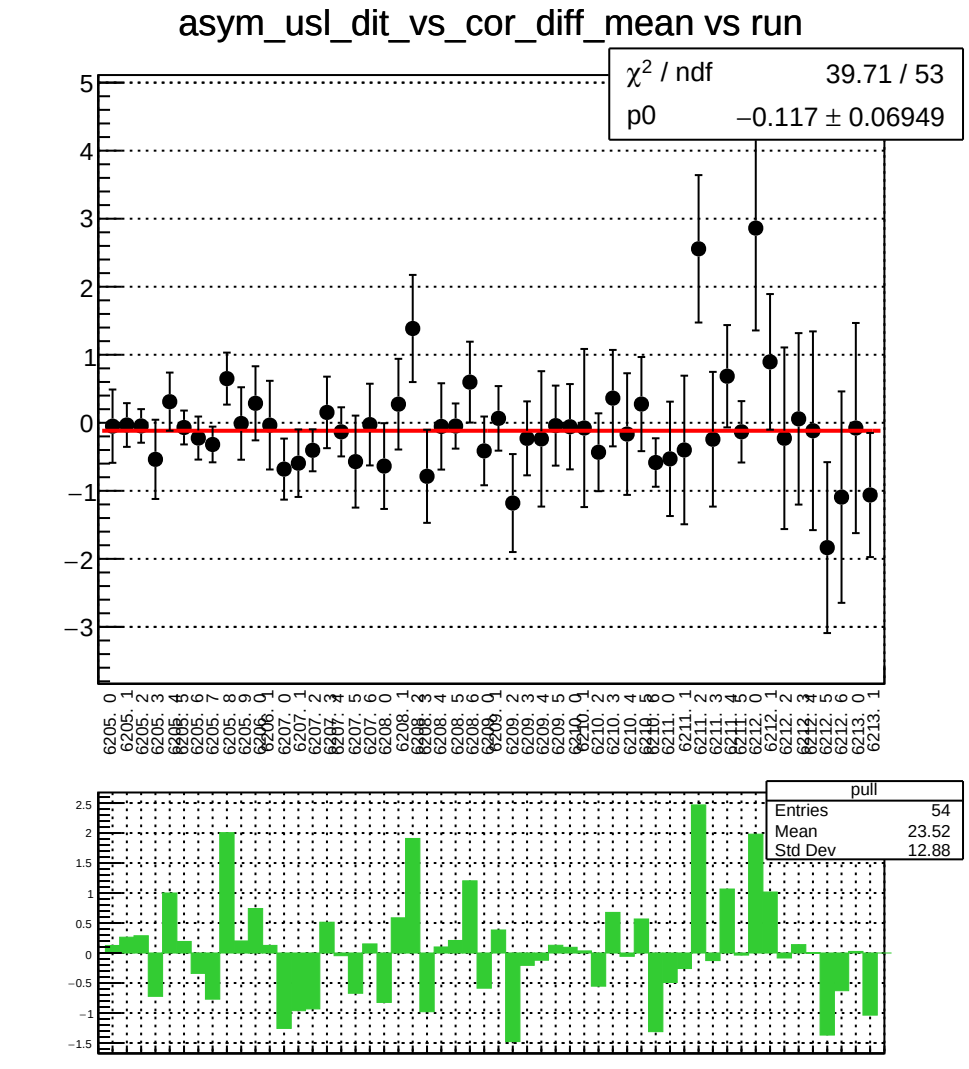
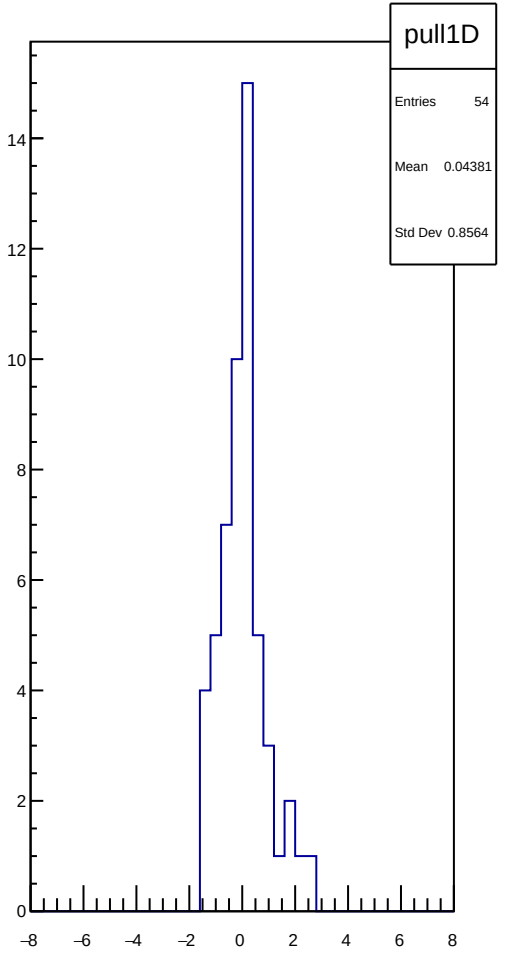
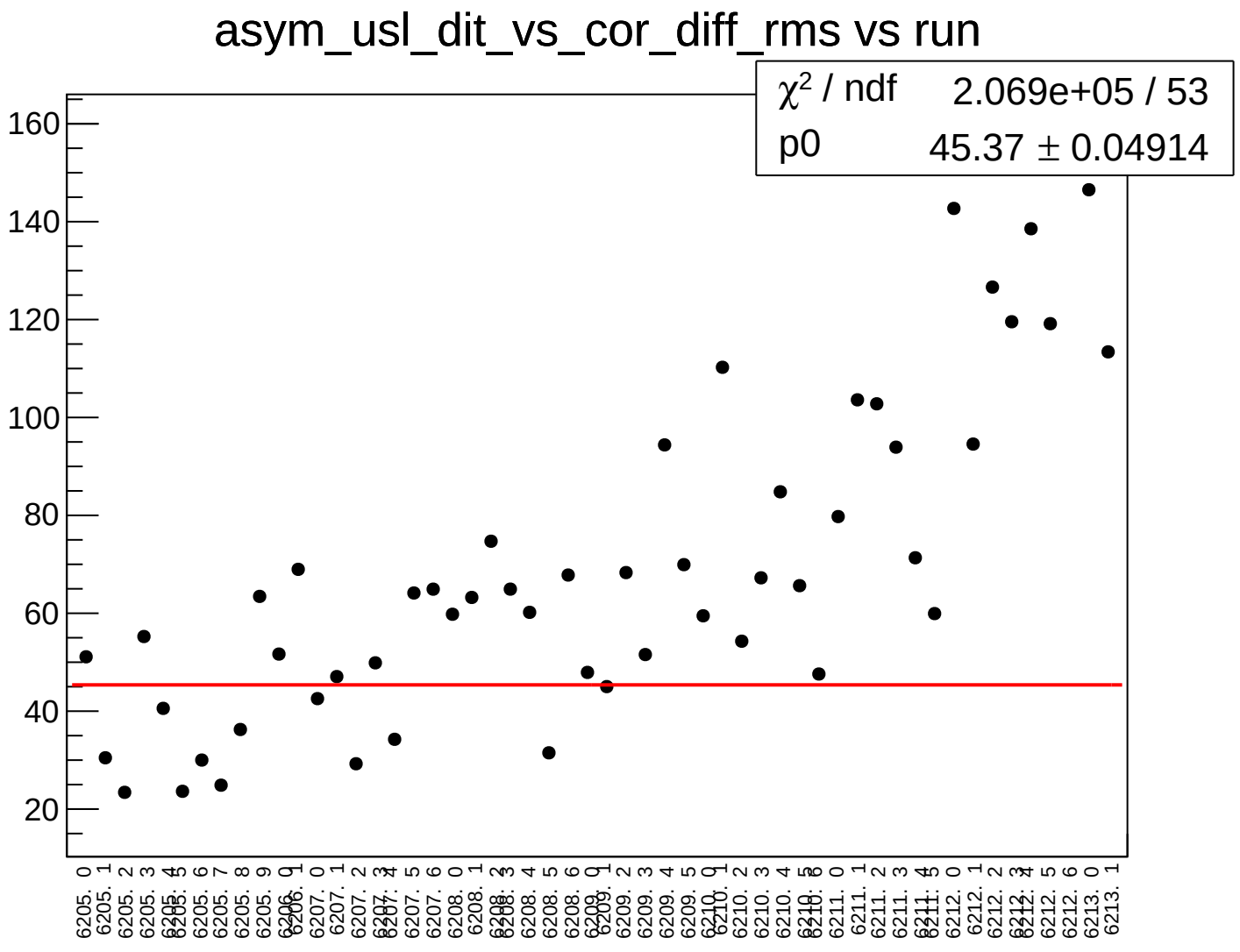
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1


asym_usl_reg_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 66.5 / 53
p0 −2.774e−14 ± 1.064e−13
pull
Entries 54
Mean −28.32
Std Dev 0
pull1D
Entries 54
Mean 0.05706
Std Dev 1.108


asym_usl_reg_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.519e+05 / 53
p0 6.326e−11 ± 7.521e−14
0.5
0.4
0.3
0.2
0.1
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_usl_dit_vs_cor_diff_mean vs run
χ² / ndf 39.71 / 53
p0 −0.117 ± 0.06949
pull
Entries 54
Mean 23.52
Std Dev 12.88


pull1D
Entries 54
Mean 0.04381
Std Dev 0.8564


asym_usl_dit_vs_cor_diff_rms vs run
χ² / ndf 2.069e+05 / 53
p0 45.37 ± 0.04914
160
140
120
100
80
60
40
20
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
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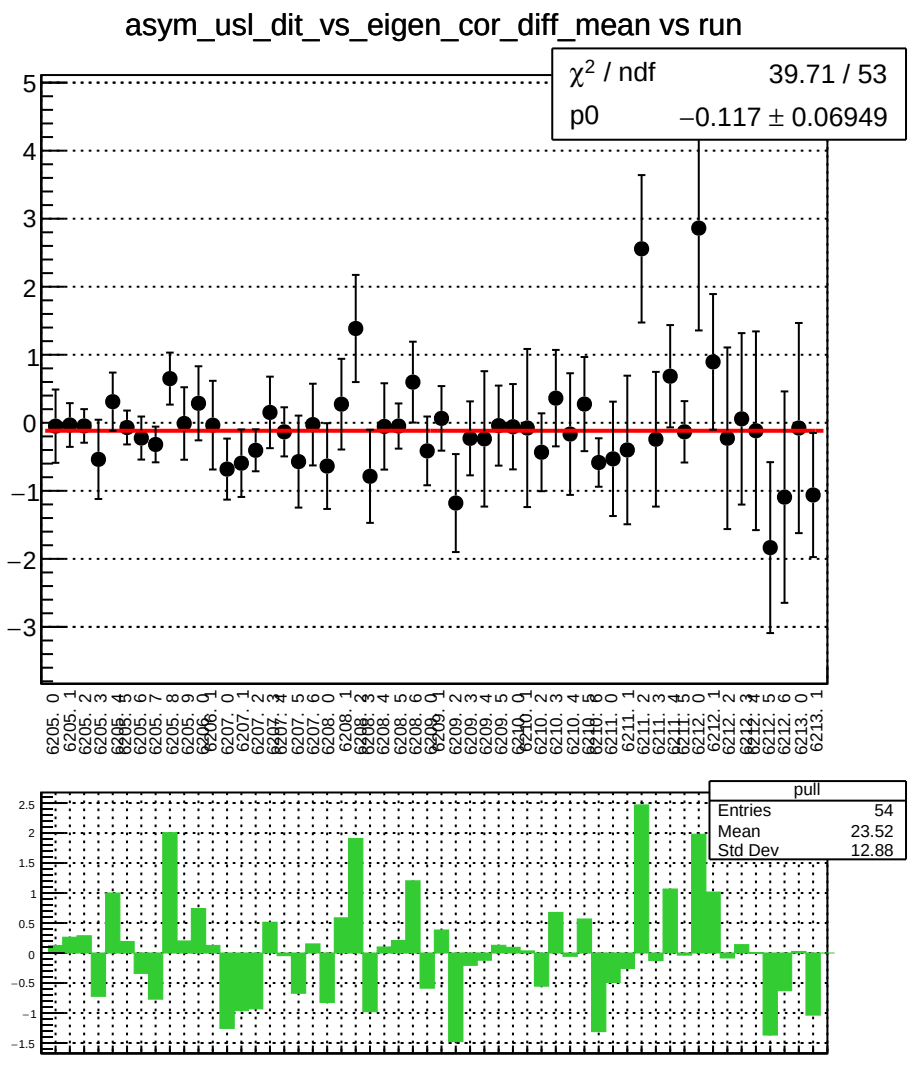
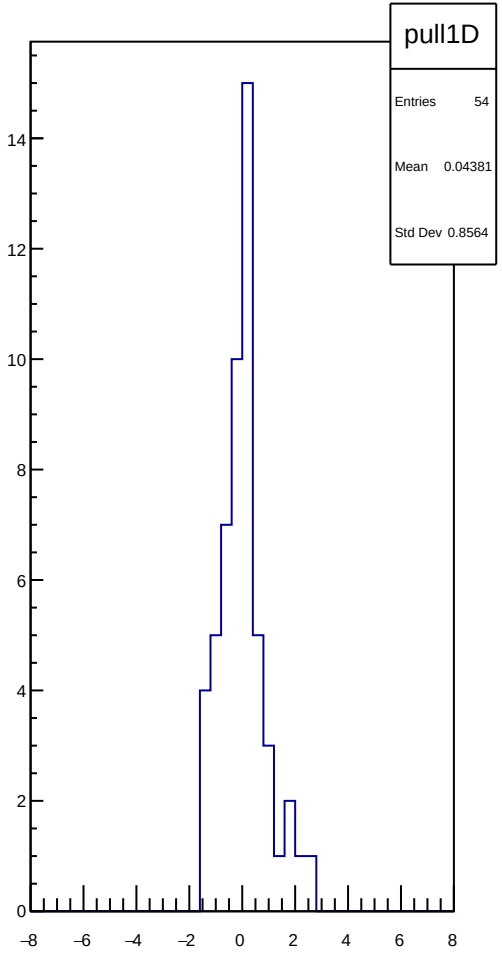
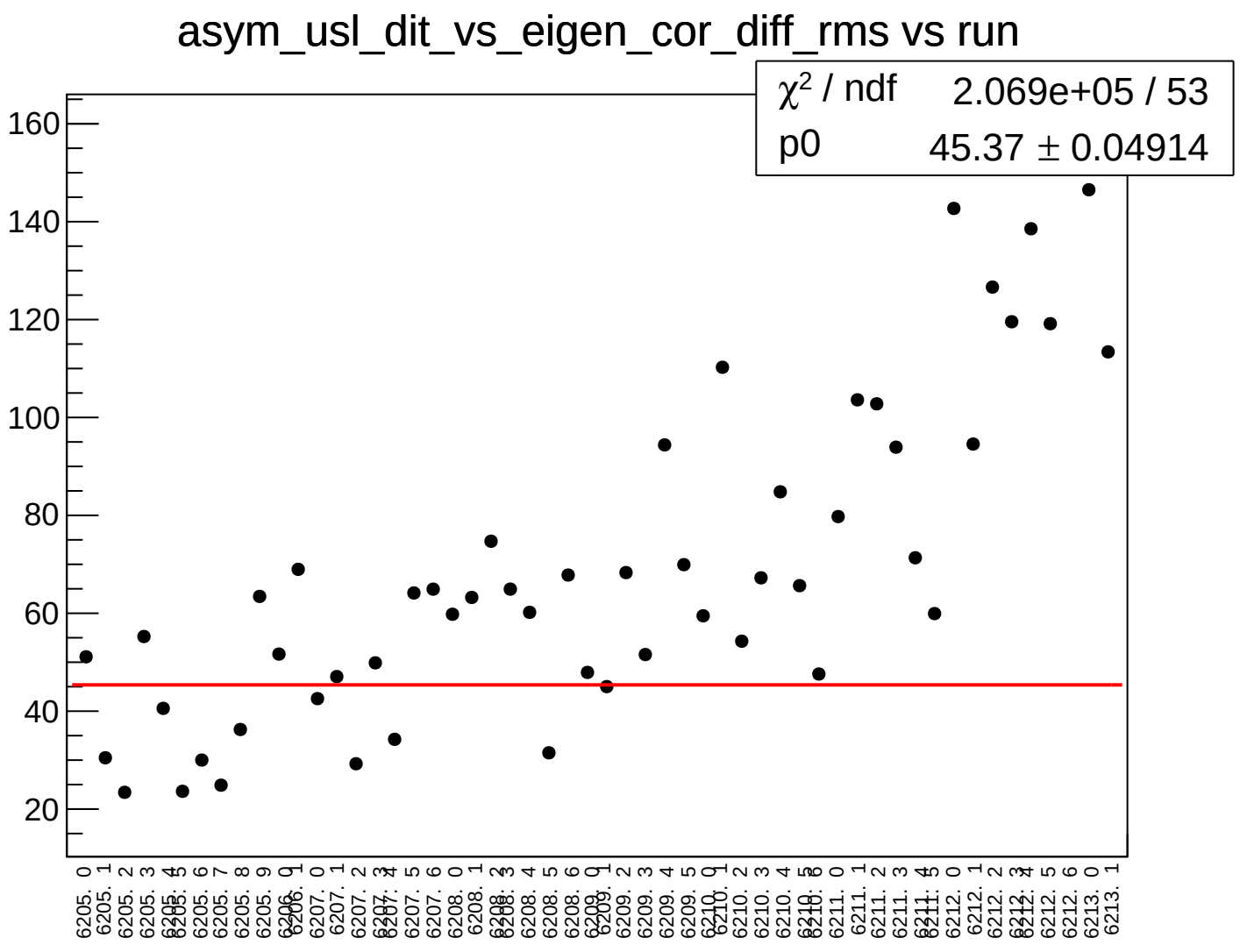
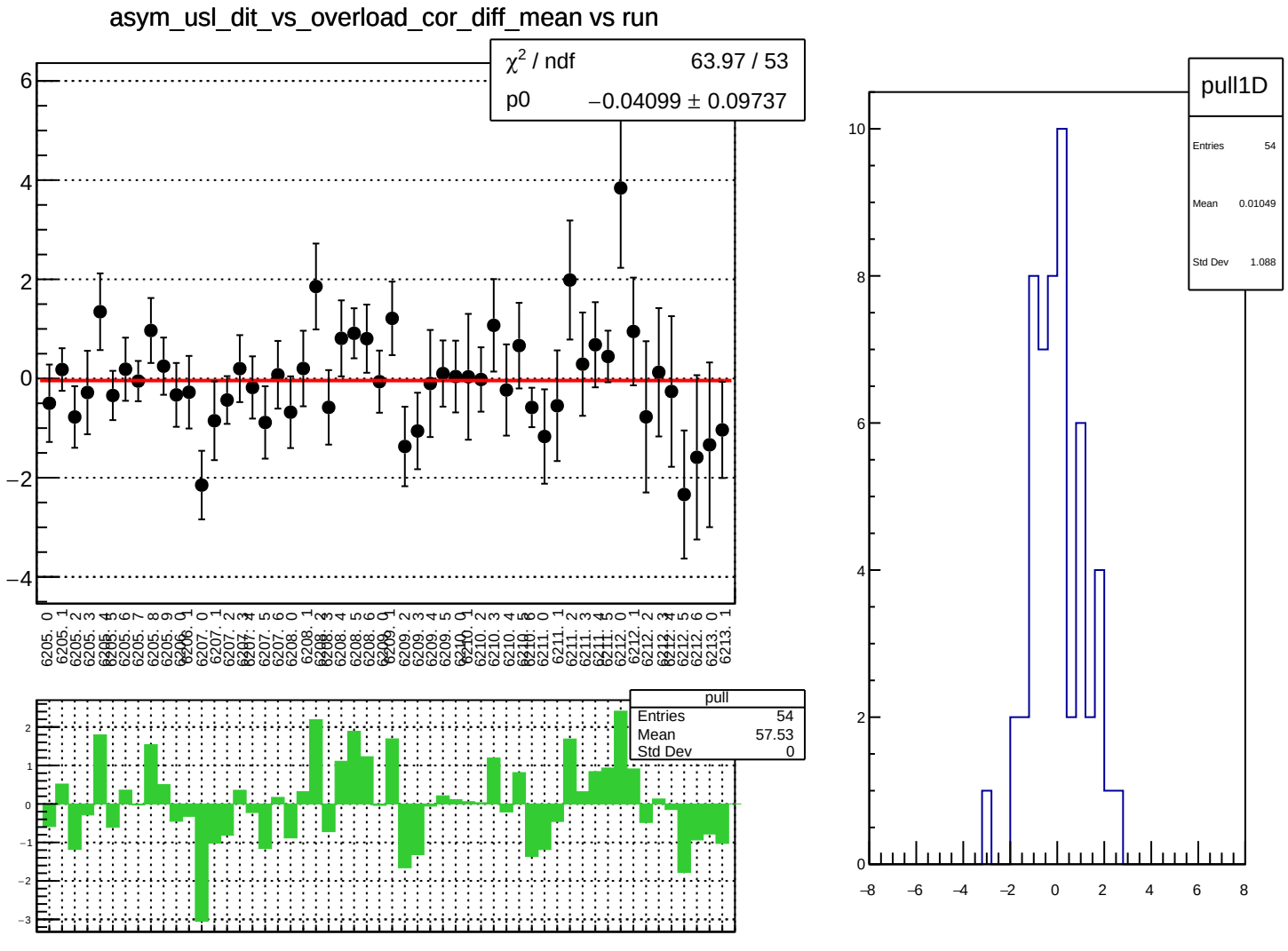
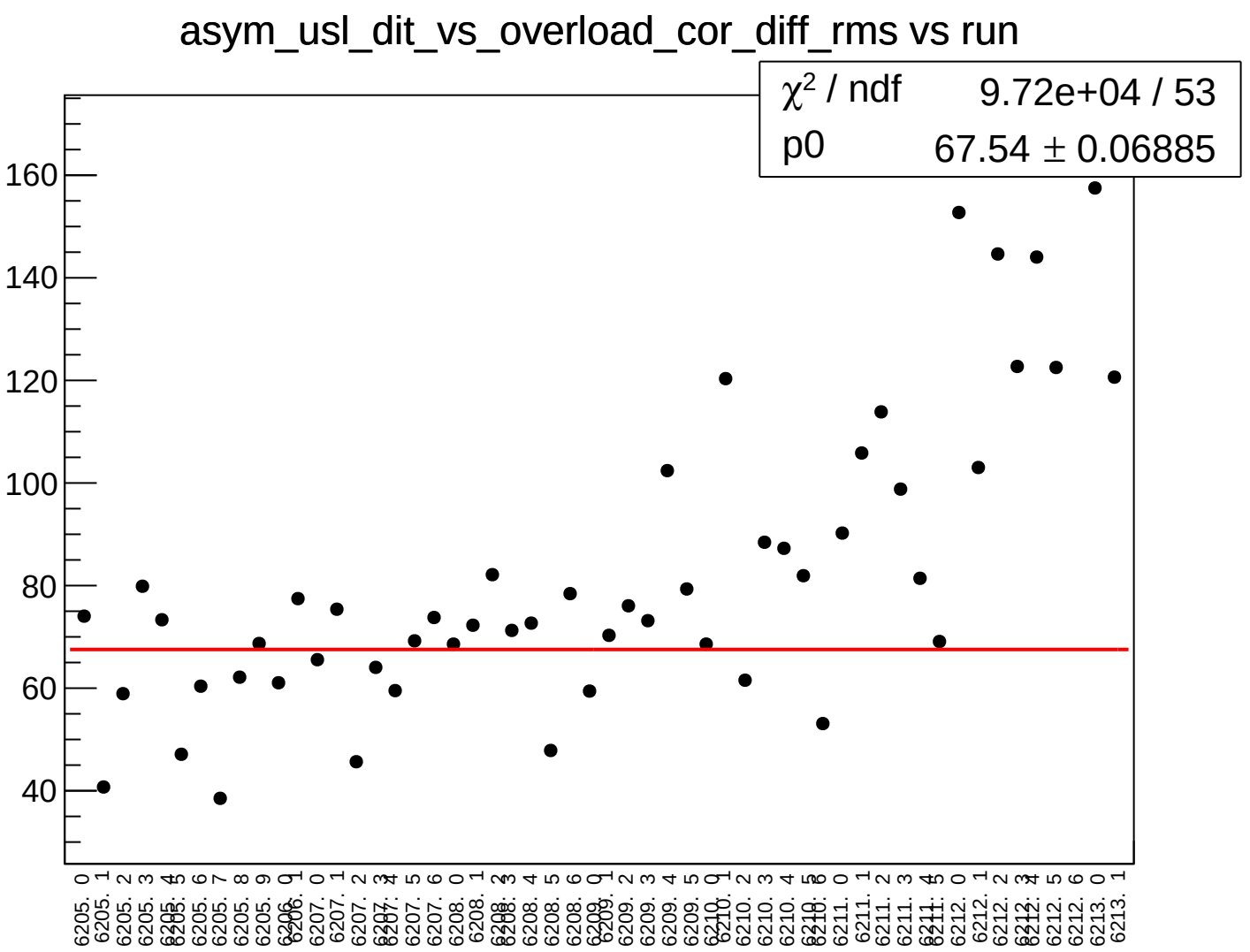
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_usl_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 39.71 / 53
p0 −0.117 ± 0.06949
pull
Entries 54
Mean 23.52
Std Dev 12.88


pull1D
Entries 54
Mean 0.04381
Std Dev 0.8564


asym_usl_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.069e+05 / 53
p0 45.37 ± 0.04914
160
140
120
100
80
60
40
20
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_usl_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 63.97 / 53
p0 −0.04099 ± 0.09737
pull
Entries 54
Mean 57.53
Std Dev 0
pull1D
Entries 54
Mean 0.01049
Std Dev 1.088


asym_usl_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 9.72e+04 / 53
p0 67.54 ± 0.06885
160
140
120
100
80
60
40
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
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6210. 4
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6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
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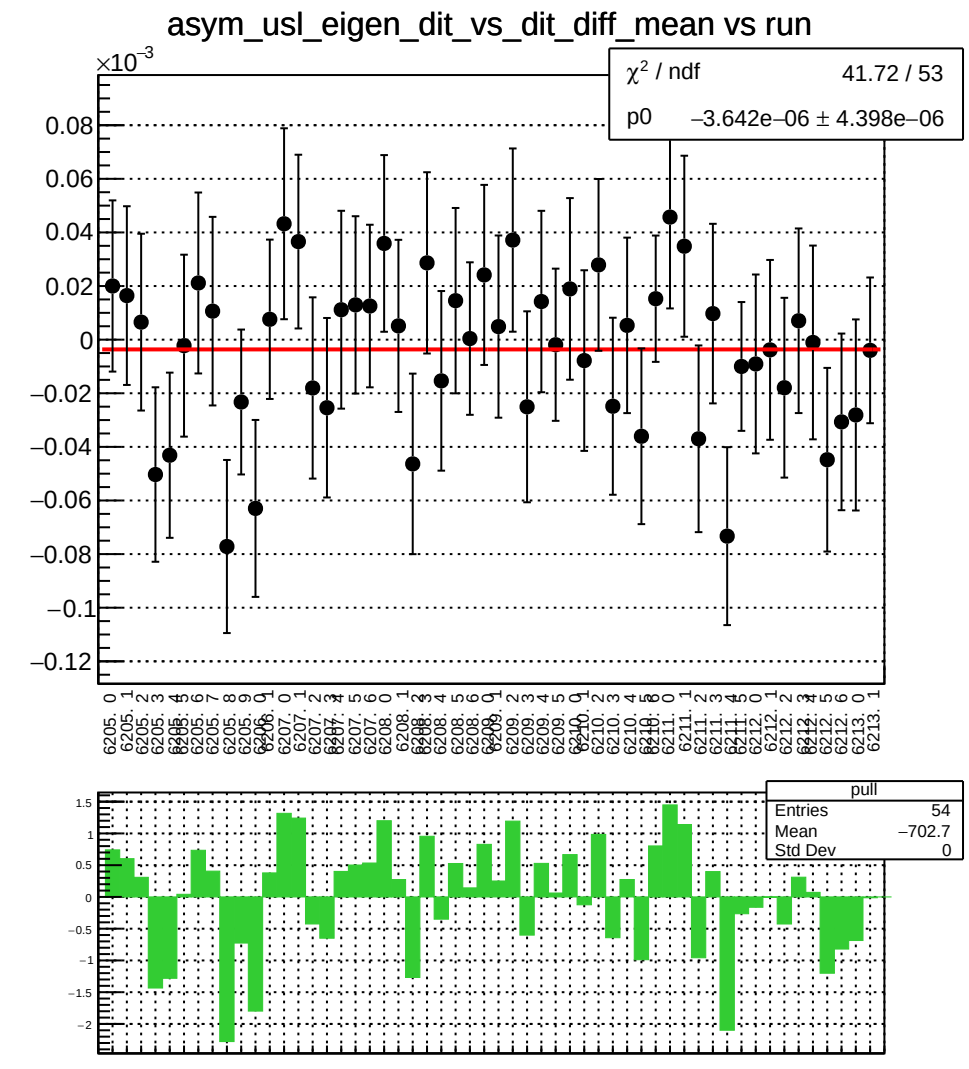
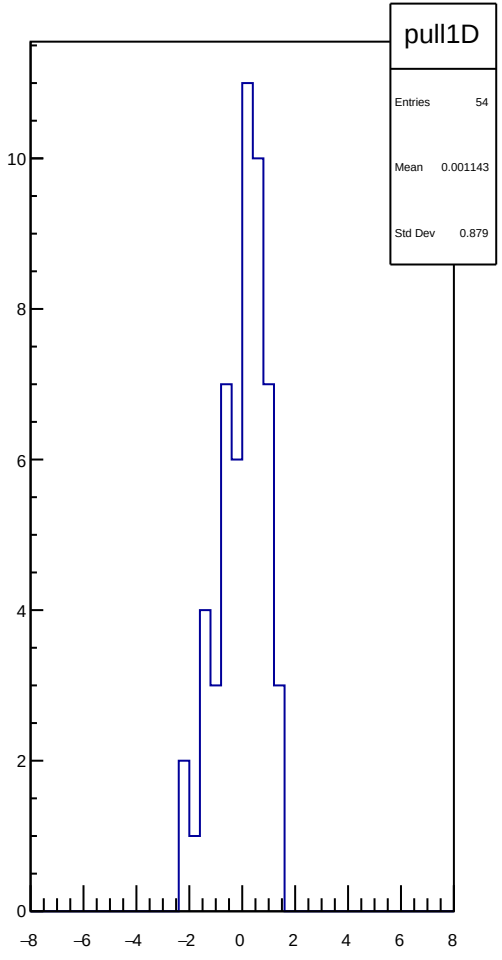
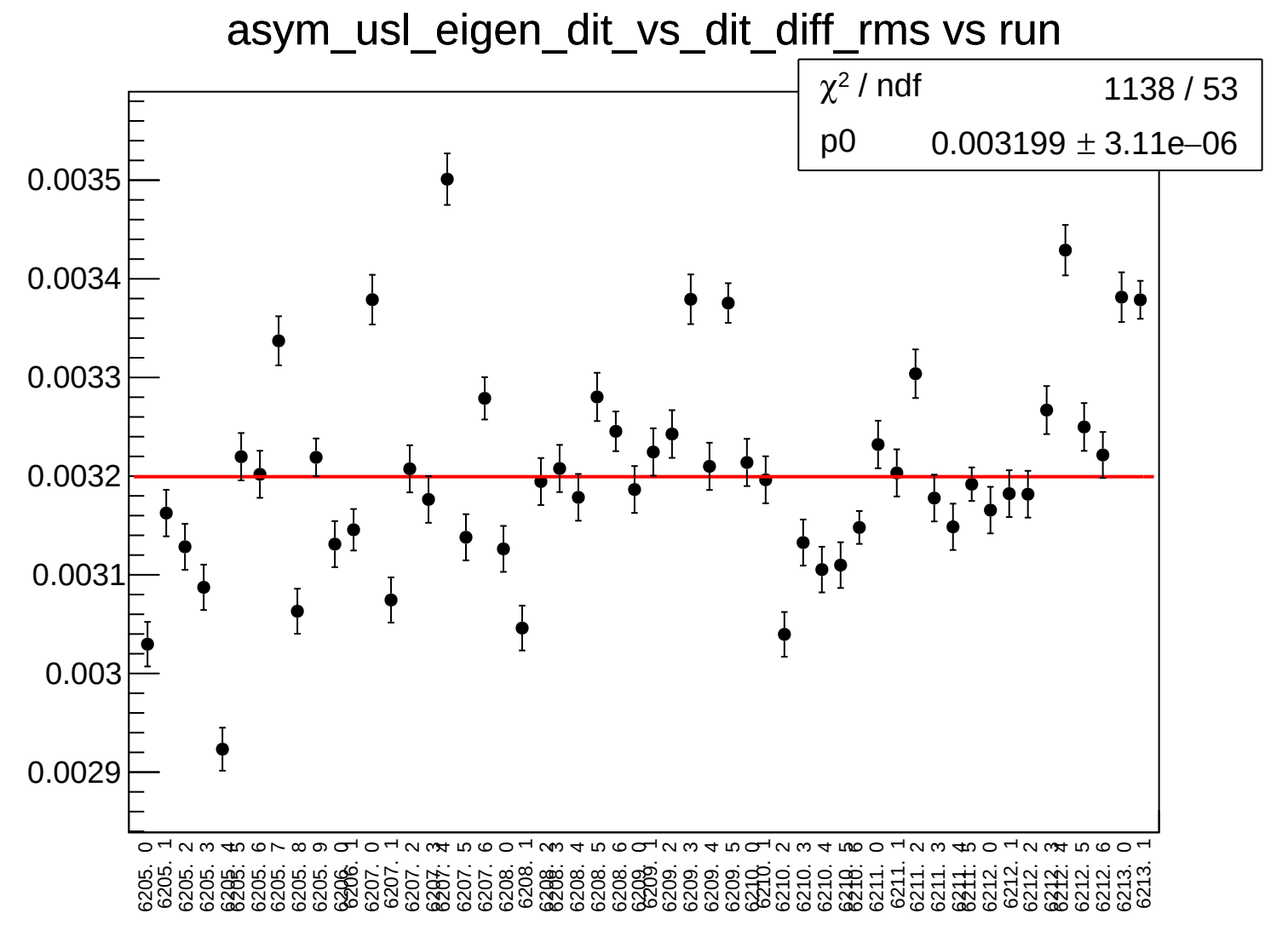
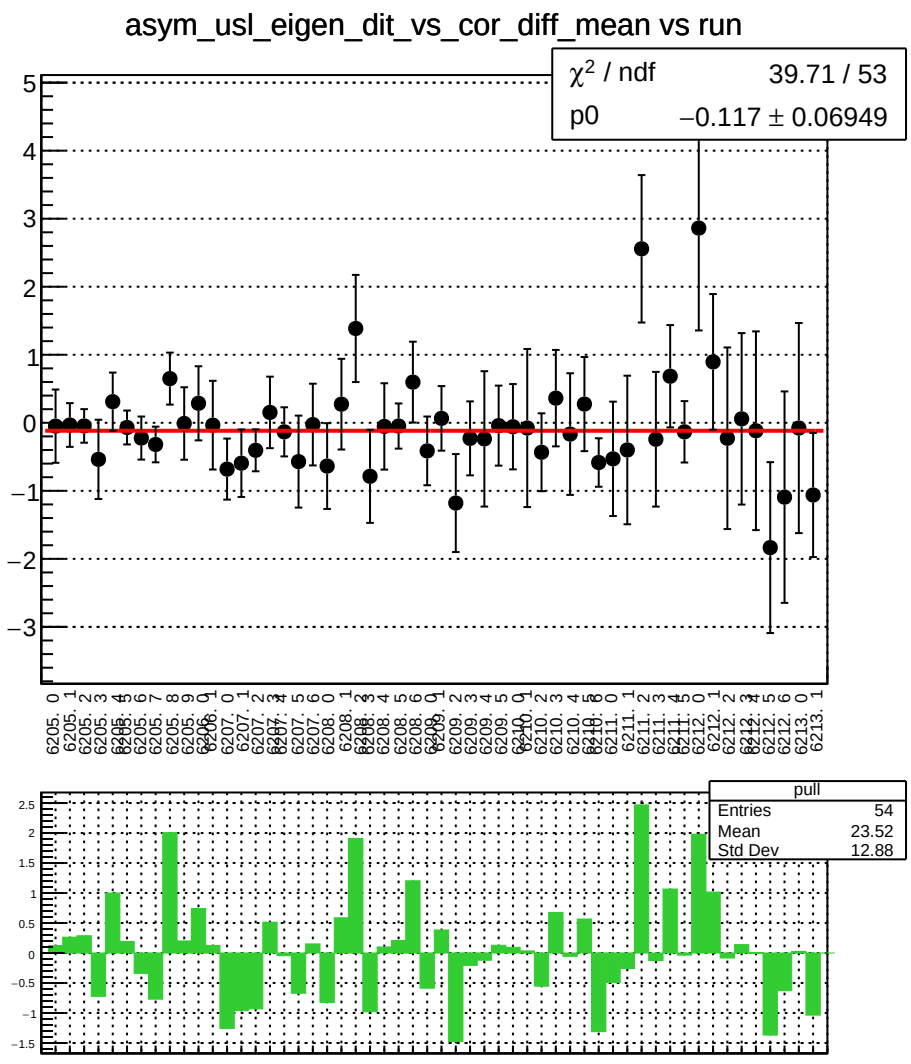
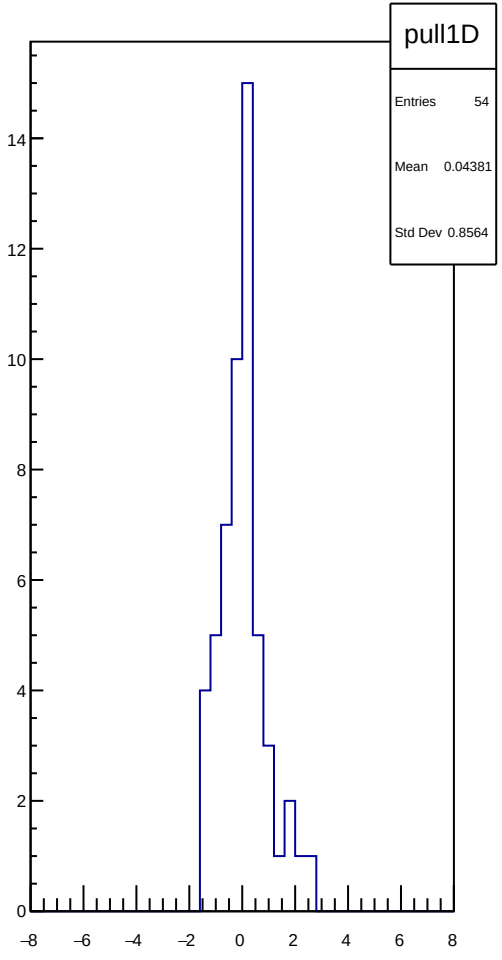
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

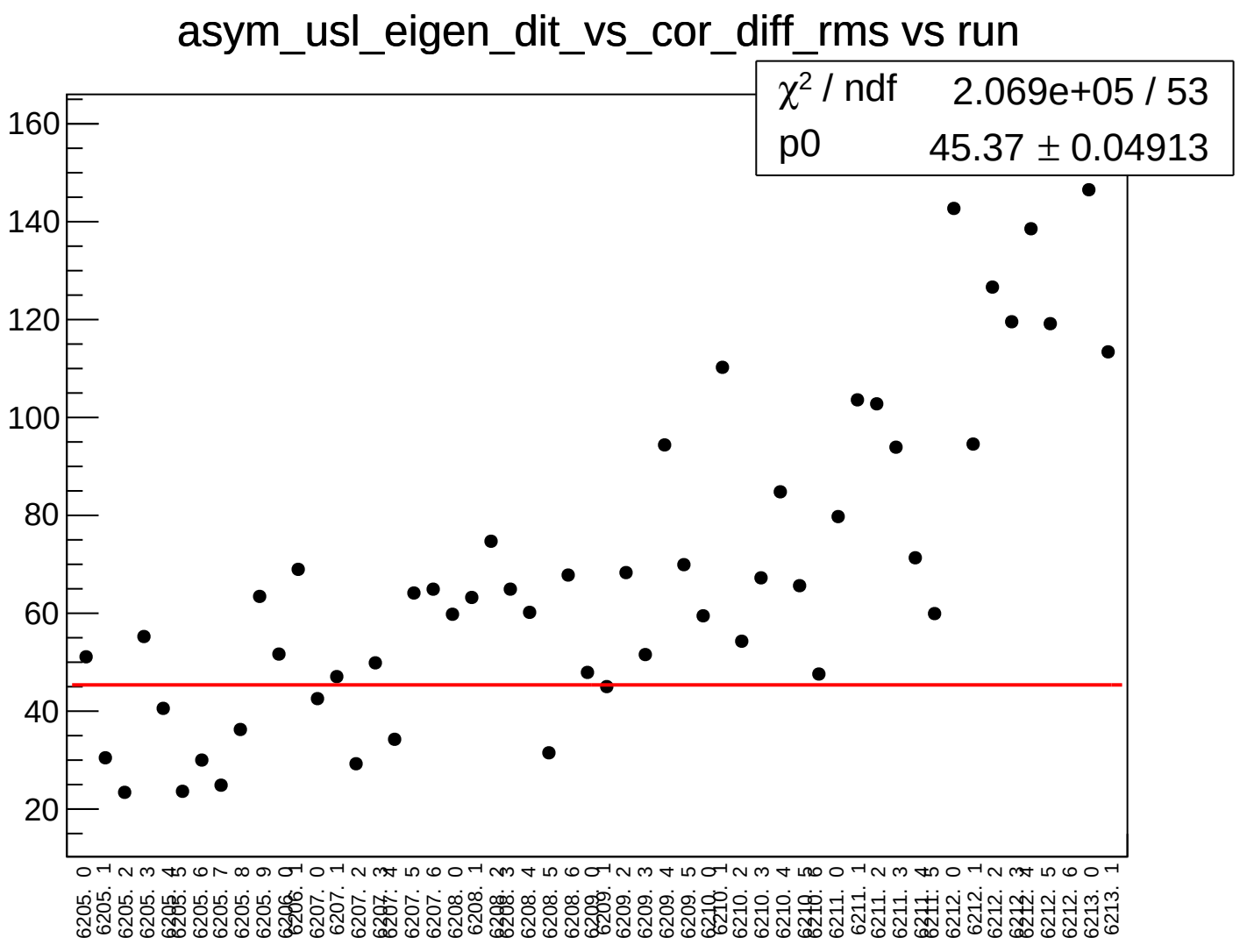

asym_usl_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 41.72 / 53
p0 −3.642e−06 ± 4.398e−06
pull
Entries 54
Mean −702.7
Std Dev 0

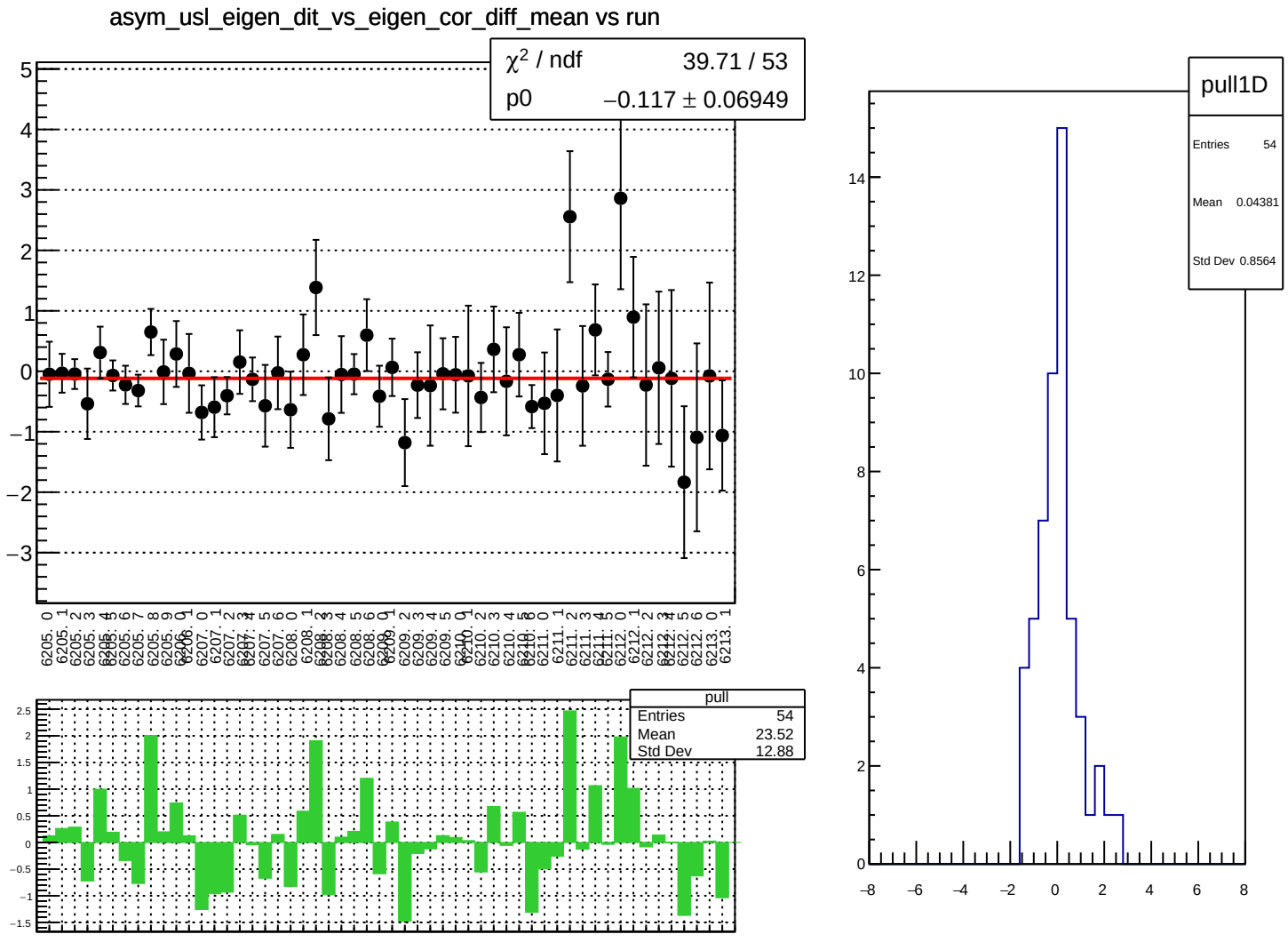

pull1D
Entries 54
Mean 0.001143
Std Dev 0.879

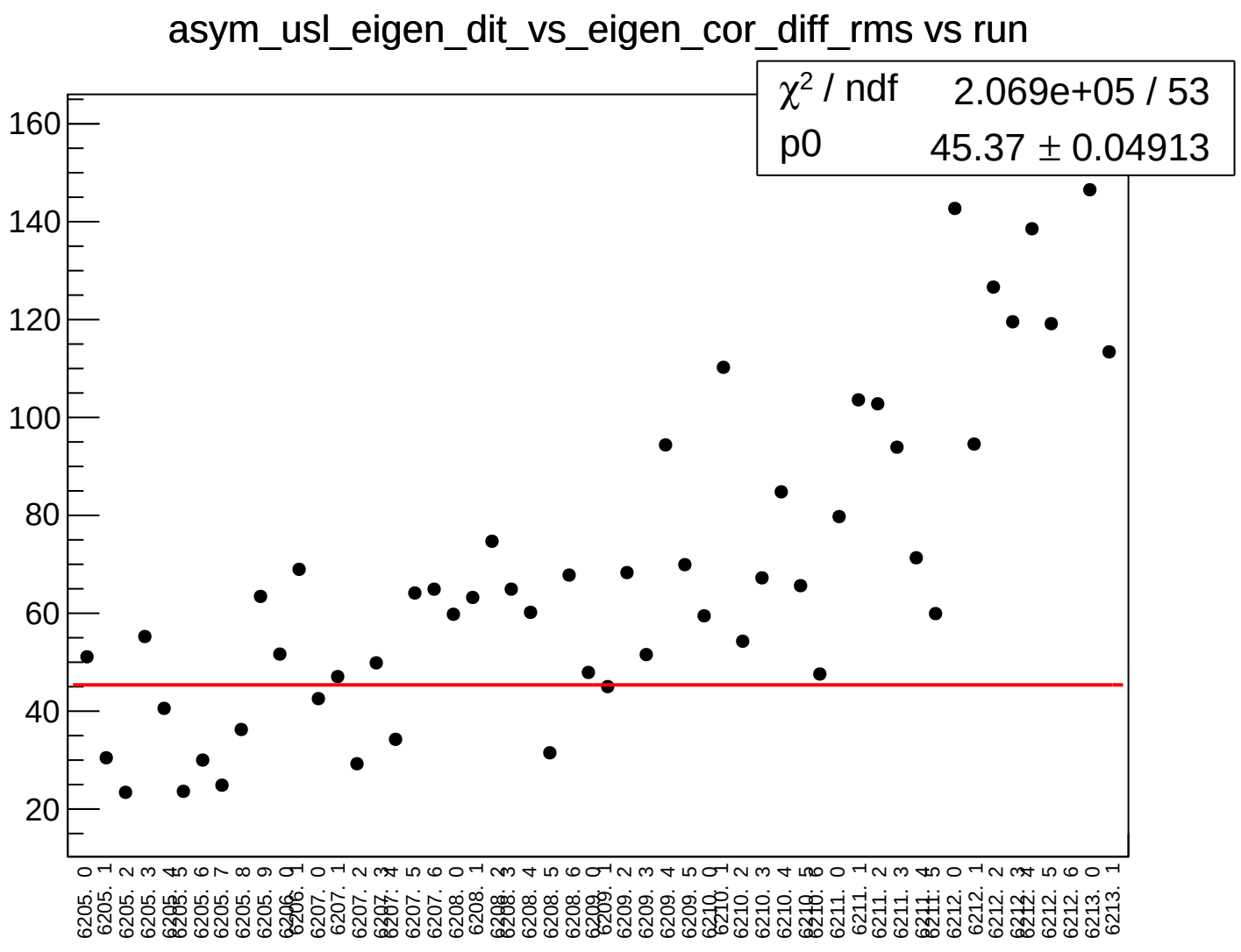

asym_usl_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1138 / 53
p0 0.003199 ± 3.11e–06
0.0035
0.0034
0.0033
0.0032
0.0031
0.003
0.0029
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

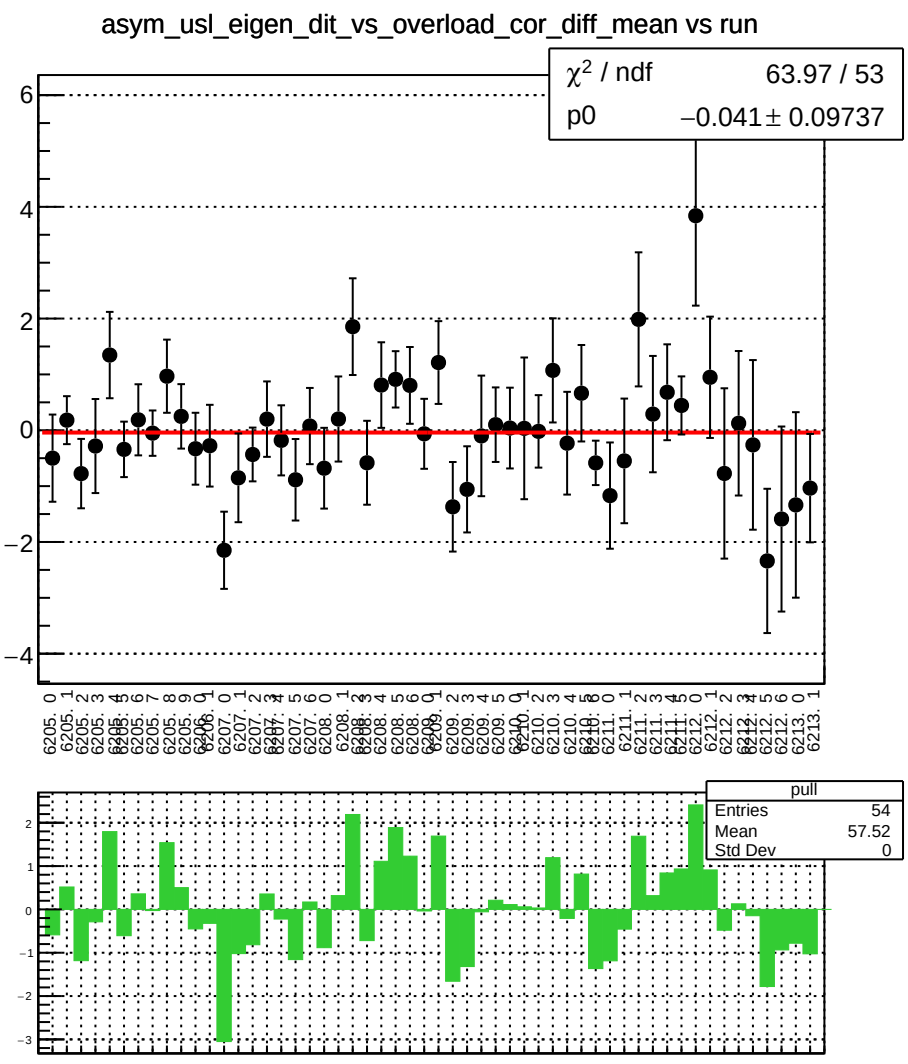

asym_usl_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 39.71 / 53
p0 −0.117 ± 0.06949
pull
Entries 54
Mean 23.52
Std Dev 12.88

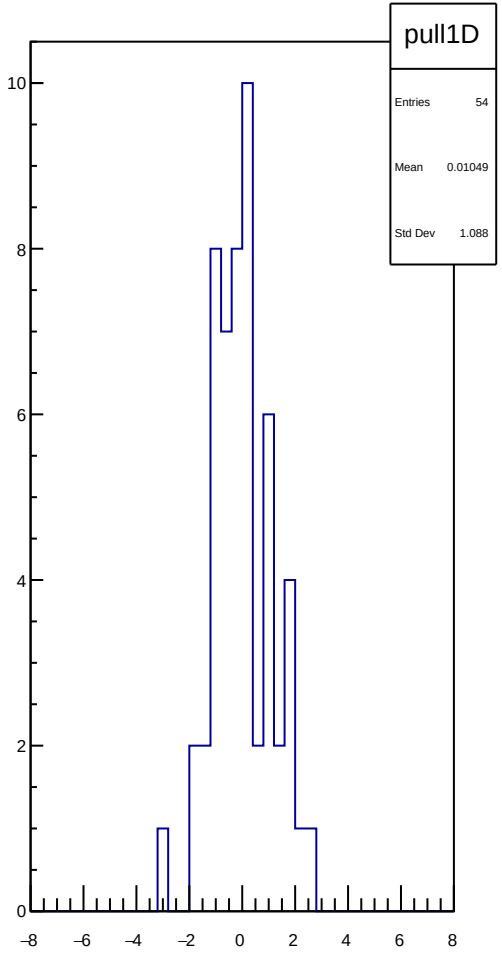

pull1D
Entries 54
Mean 0.04381
Std Dev 0.8564

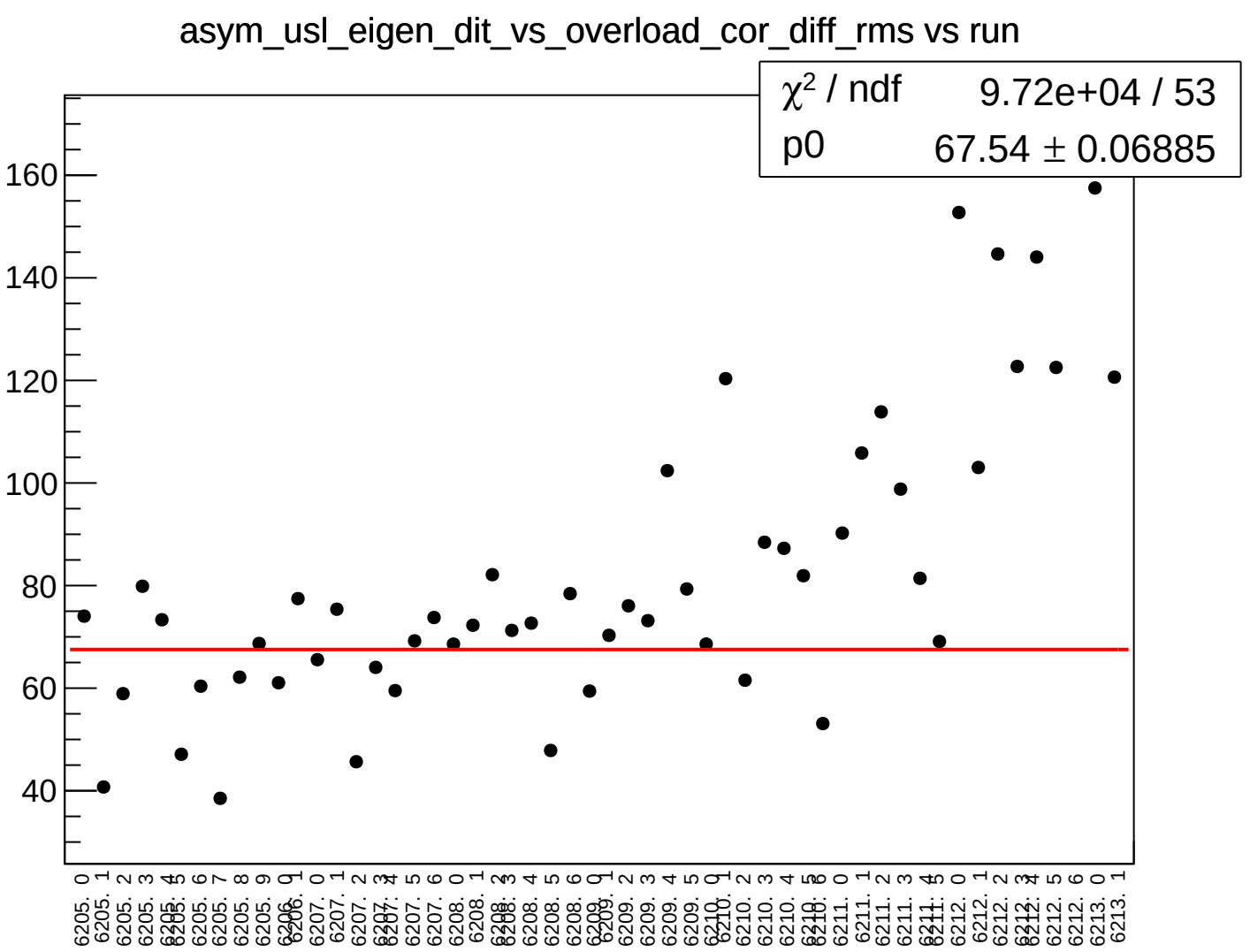

asym_usl_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.069e+05 / 53
p0 45.37 ± 0.04913
160
140
120
100
80
60
40
20
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

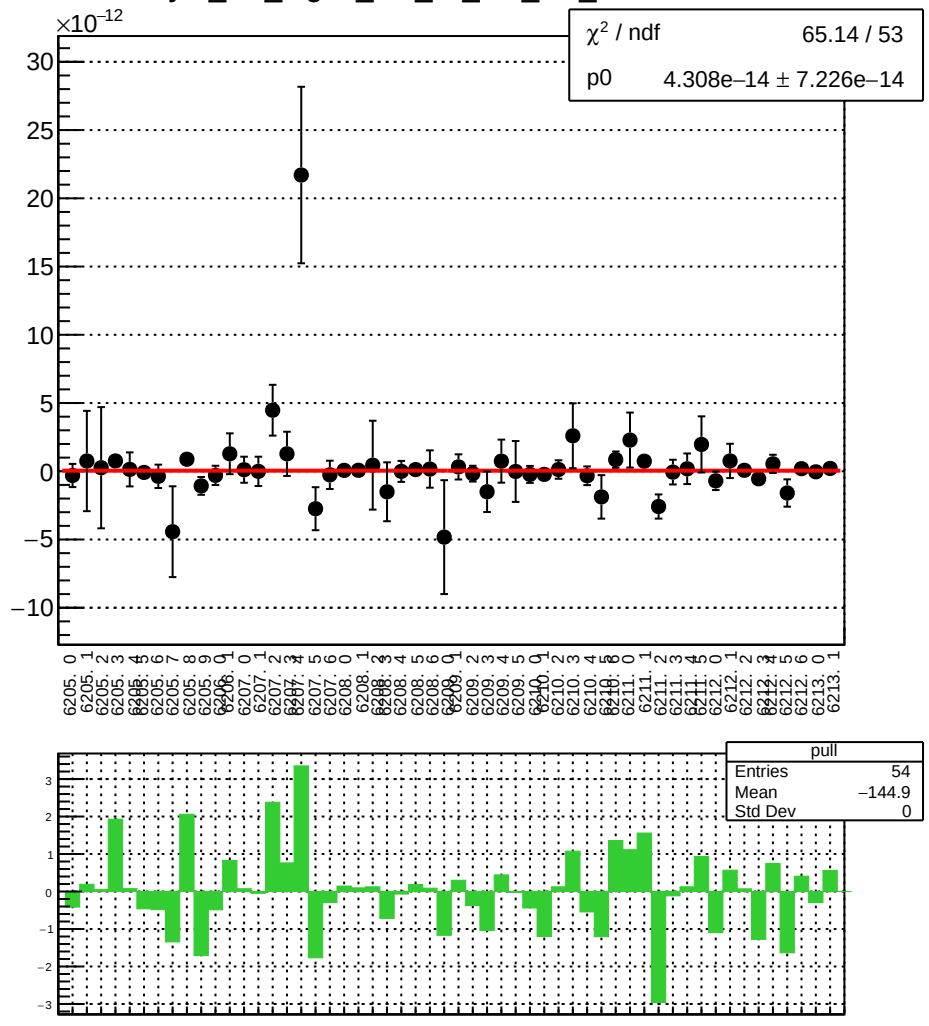

asym_usl_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 39.71 / 53
p0 −0.117 ± 0.06949
pull
Entries 54
Mean 23.52
Std Dev 12.88
pull1D
Entries 54
Mean 0.04381
Std Dev 0.8564

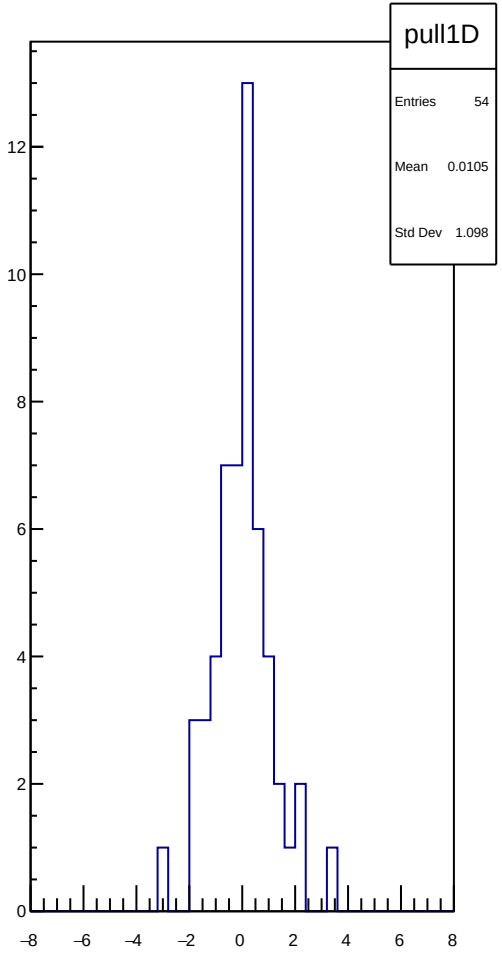

asym_usl_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.069e+05 / 53
p0 45.37 ± 0.04913
160
140
120
100
80
60
40
20
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

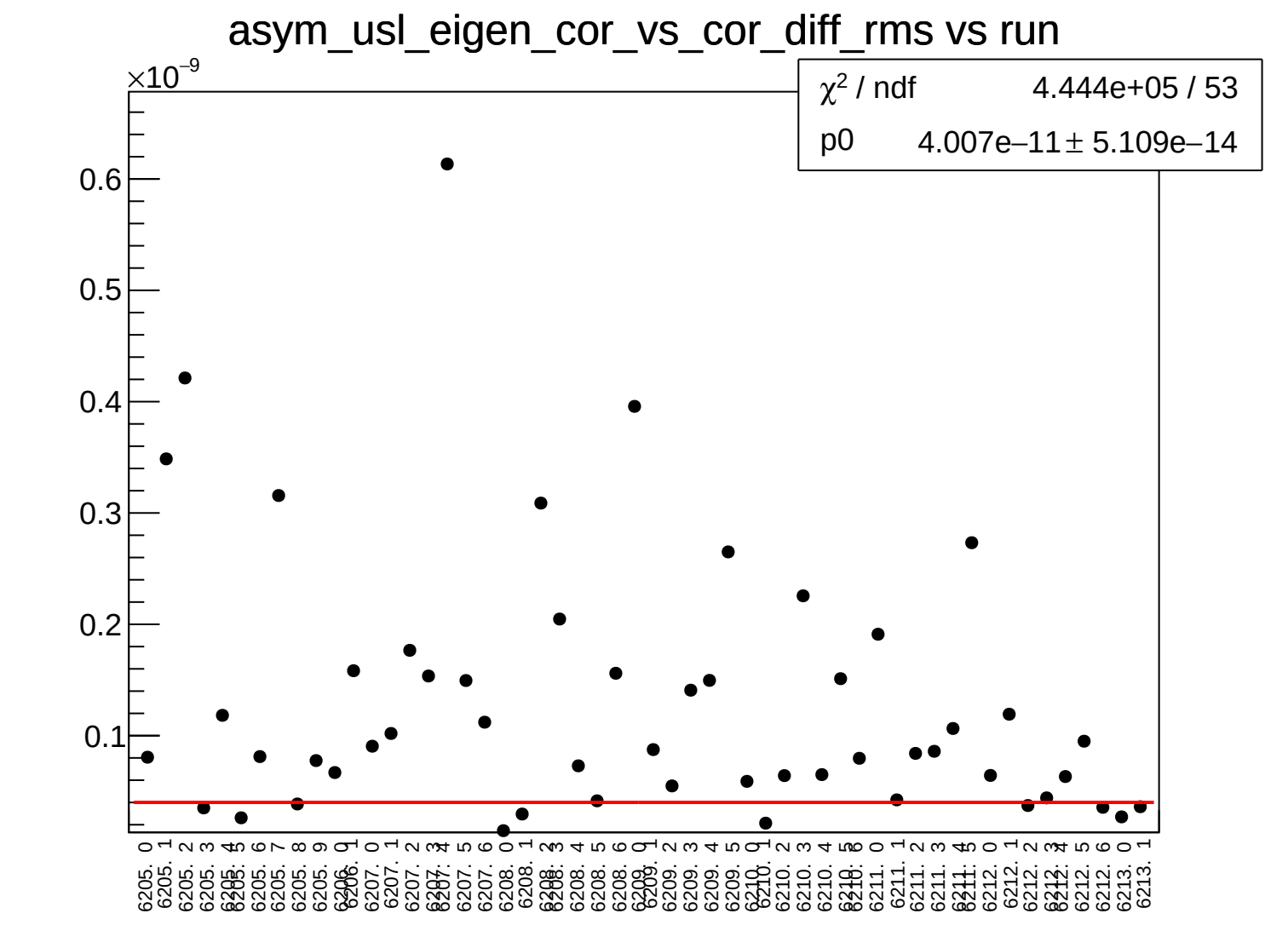

asym_usl_eigen_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 63.97 / 53
p0 −0.041 ± 0.09737
pull
Entries 54
Mean 57.52
Std Dev 0

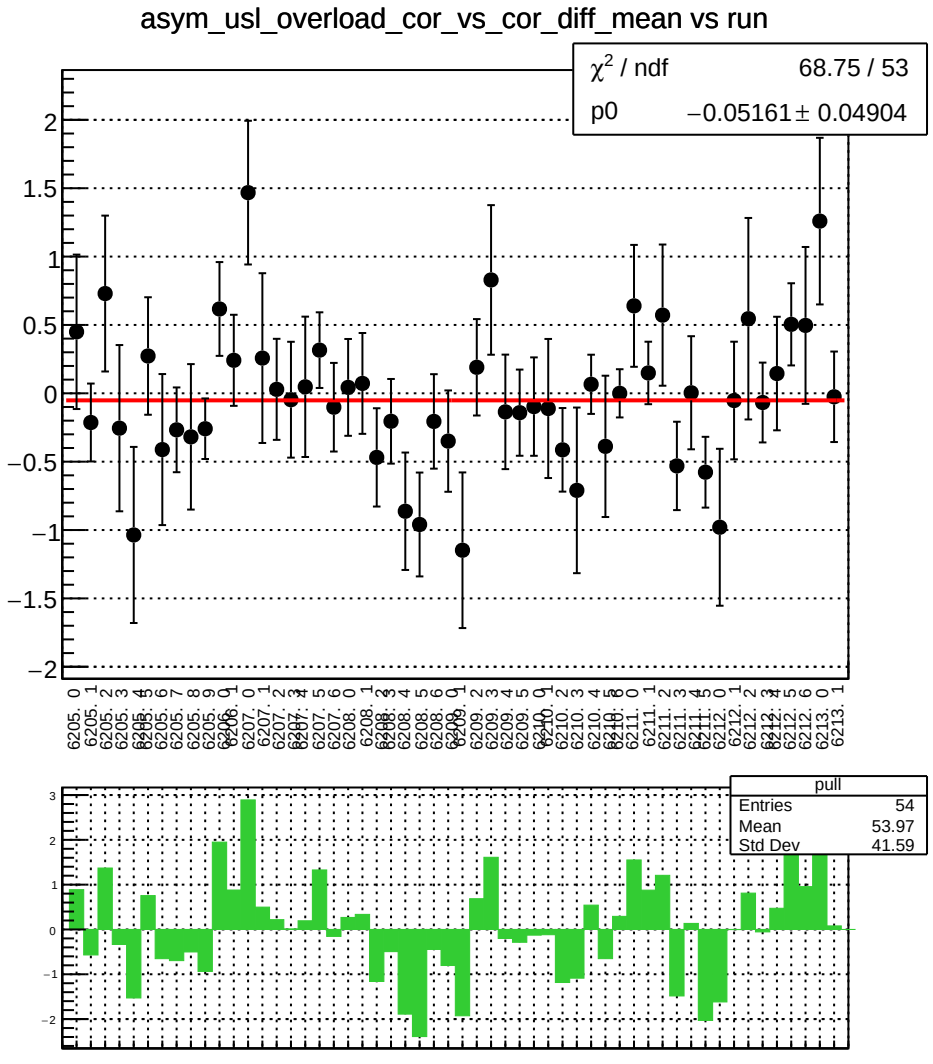

pull1D
Entries 54
Mean 0.01049
Std Dev 1.088

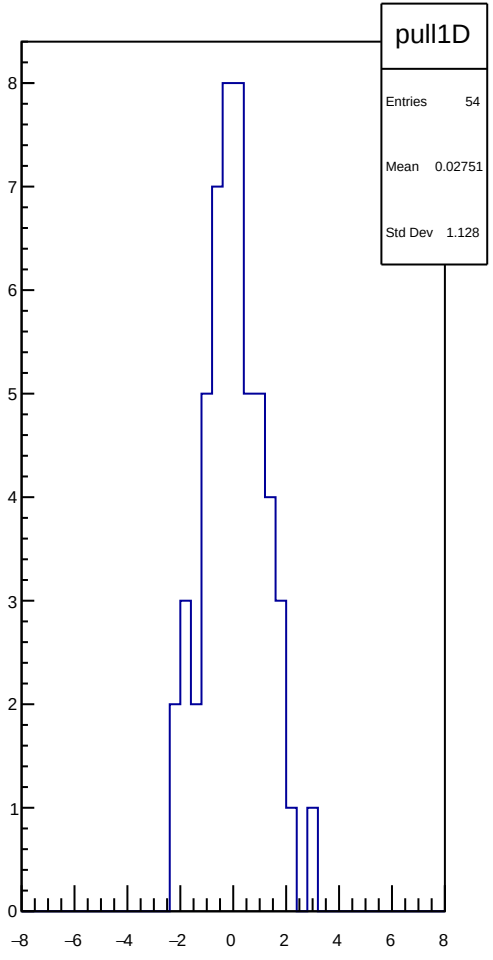

asym_usl_eigen_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 9.72e+04 / 53
p0 67.54 ± 0.06885
160
140
120
100
80
60
40
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

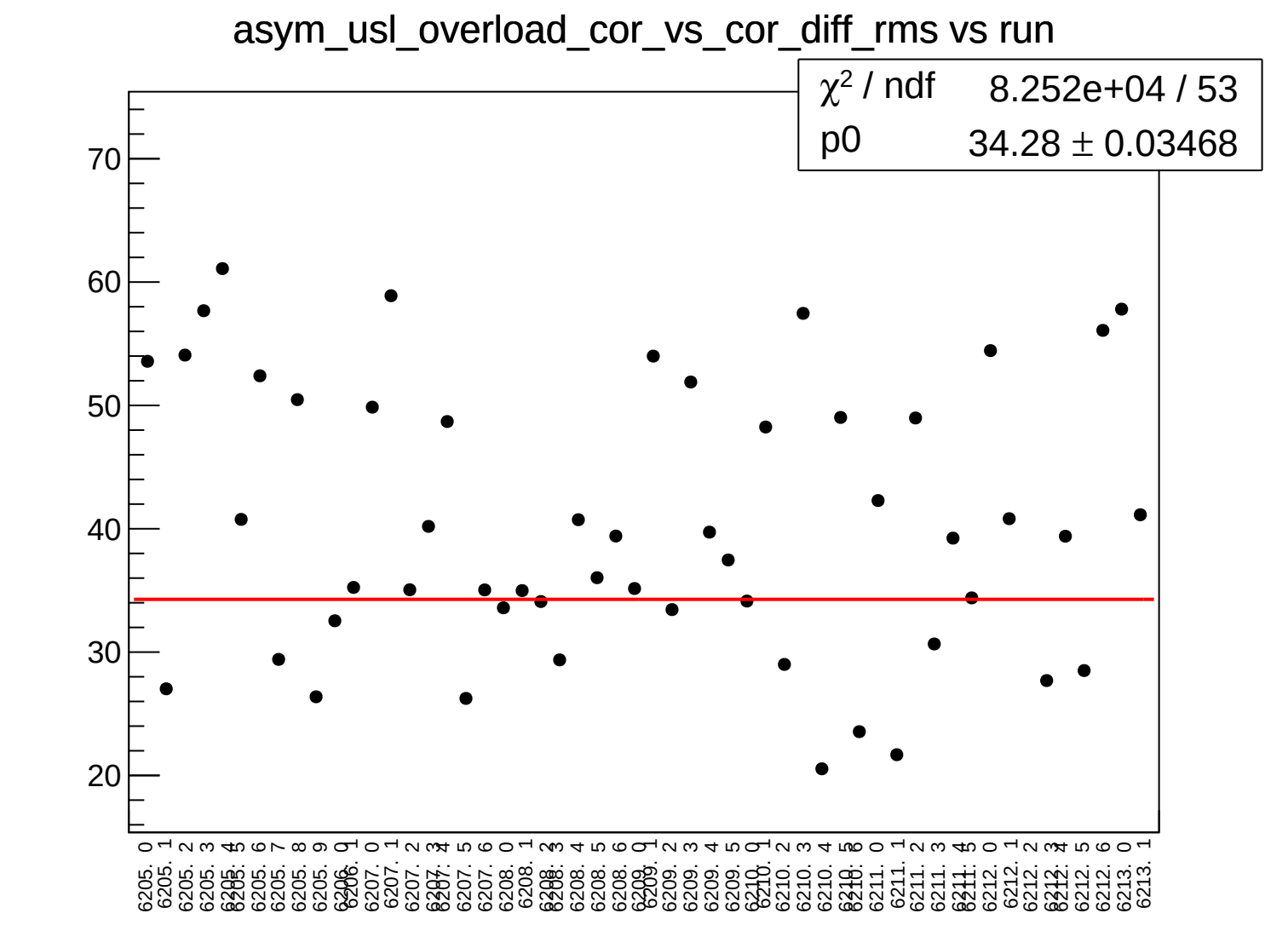

asym_usl_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 65.14 / 53
p0 4.308e−14 ± 7.226e−14
pull
Entries 54
Mean −144.9
Std Dev 0

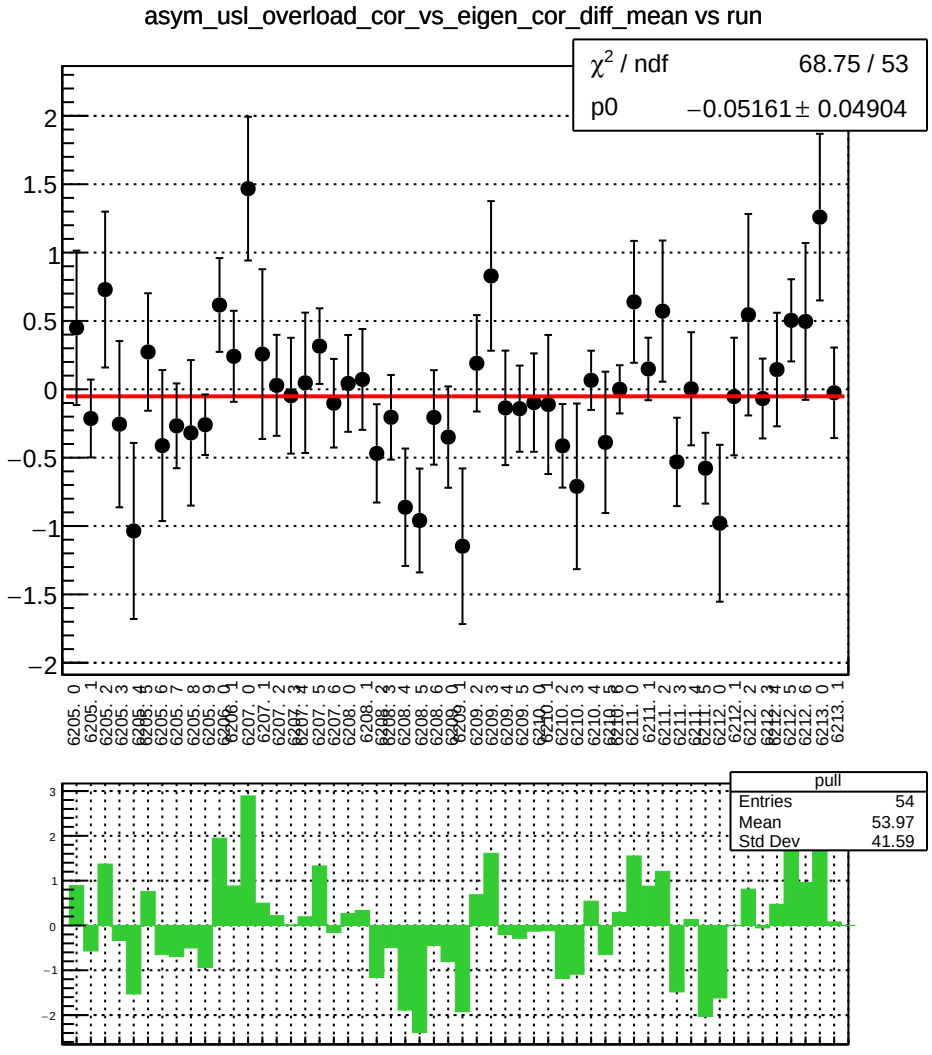

pull1D
Entries 54
Mean 0.0105
Std Dev 1.098

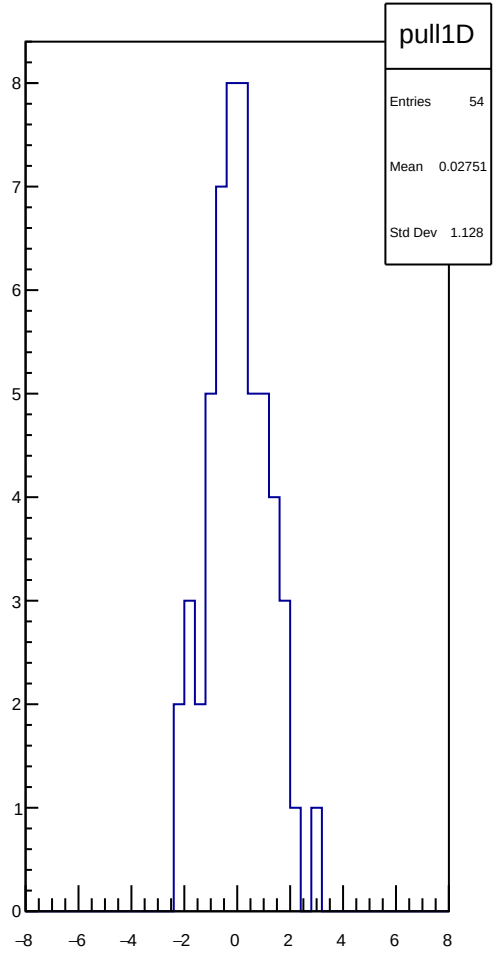

asym_usl_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.444e+05 / 53
p0 4.007e−11 ± 5.109e−14
0.6
0.5
0.4
0.3
0.2
0.1
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

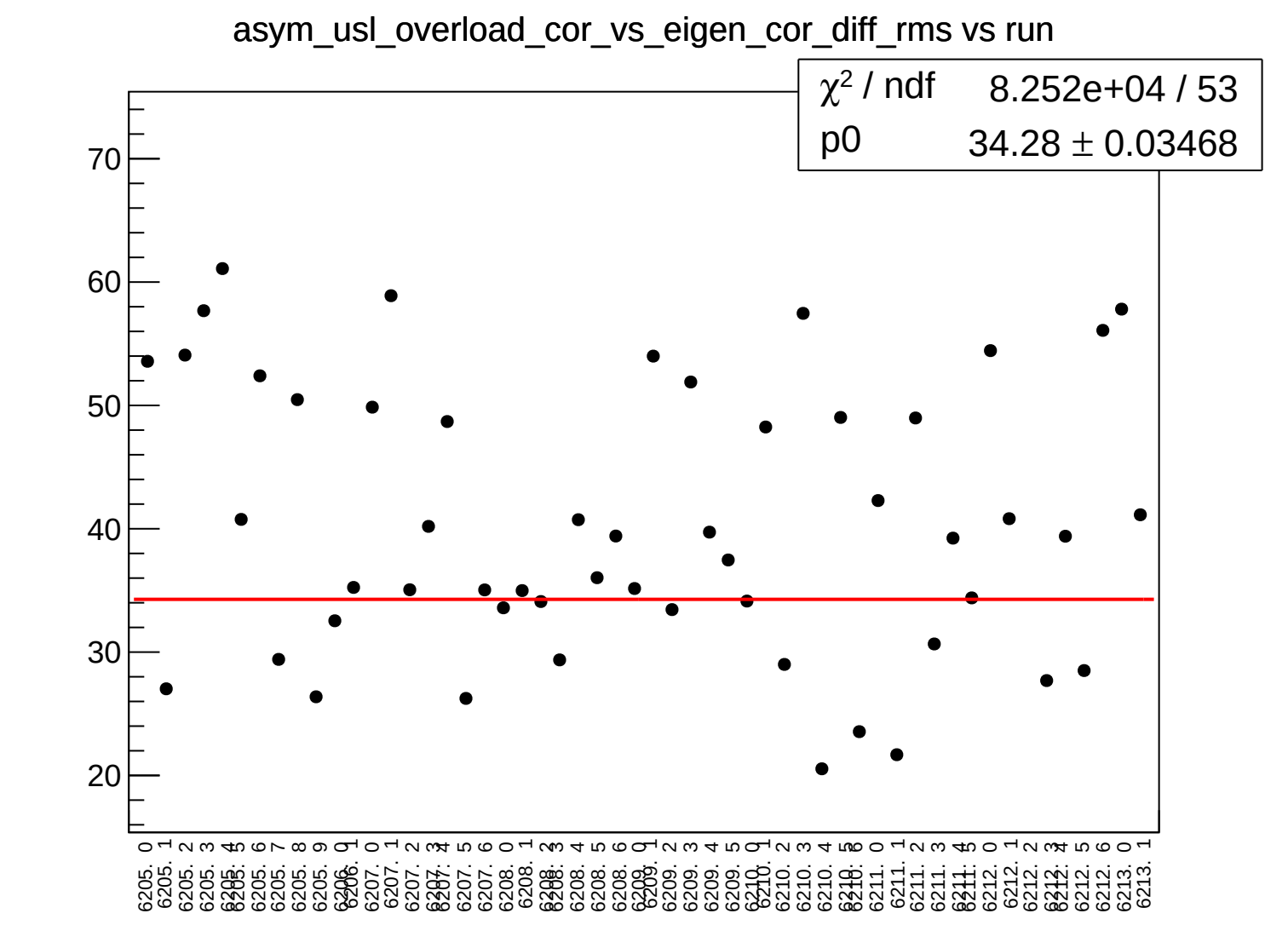

asym_usl_overload_cor_vs_cor_diff_mean vs run
χ² / ndf 68.75 / 53
p0 −0.05161 ± 0.04904
pull
Entries 54
Mean 53.97
Std Dev 41.59

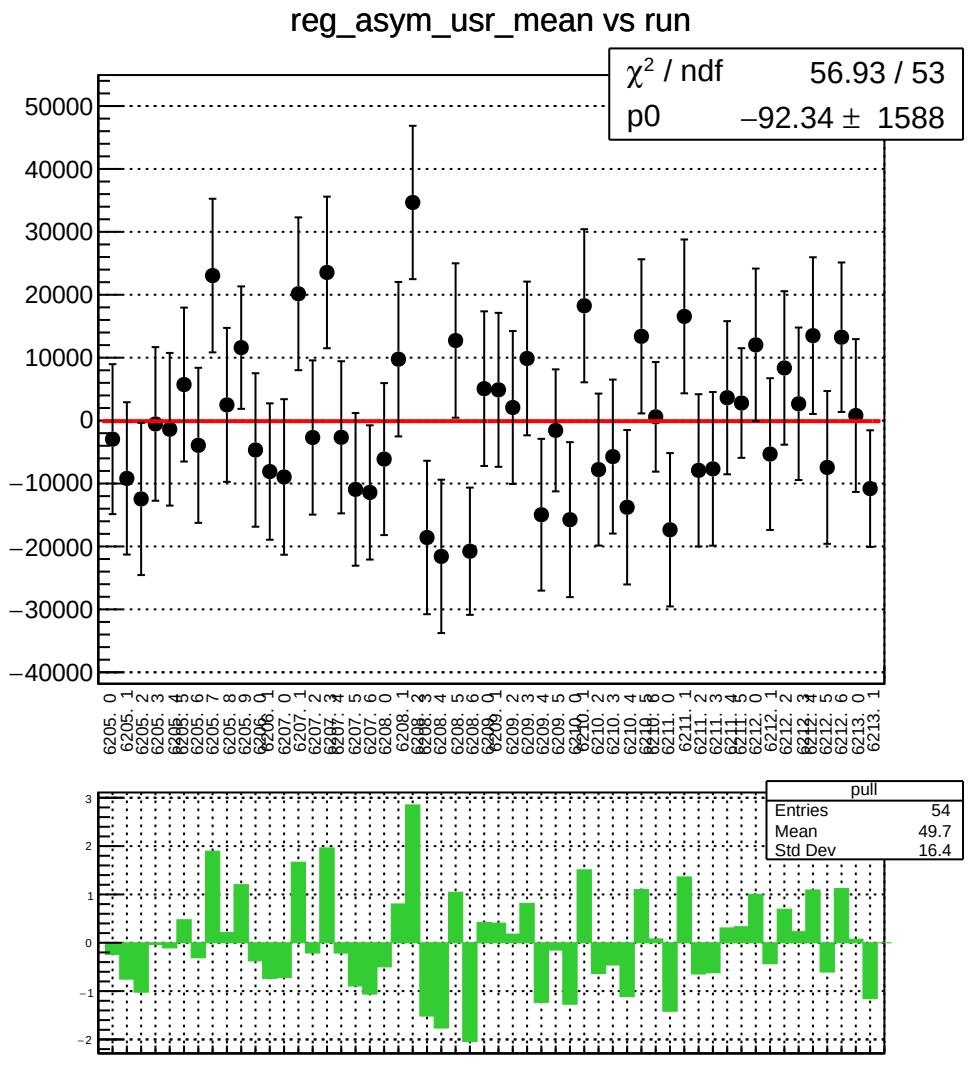

pull1D
Entries 54
Mean 0.02751
Std Dev 1.128

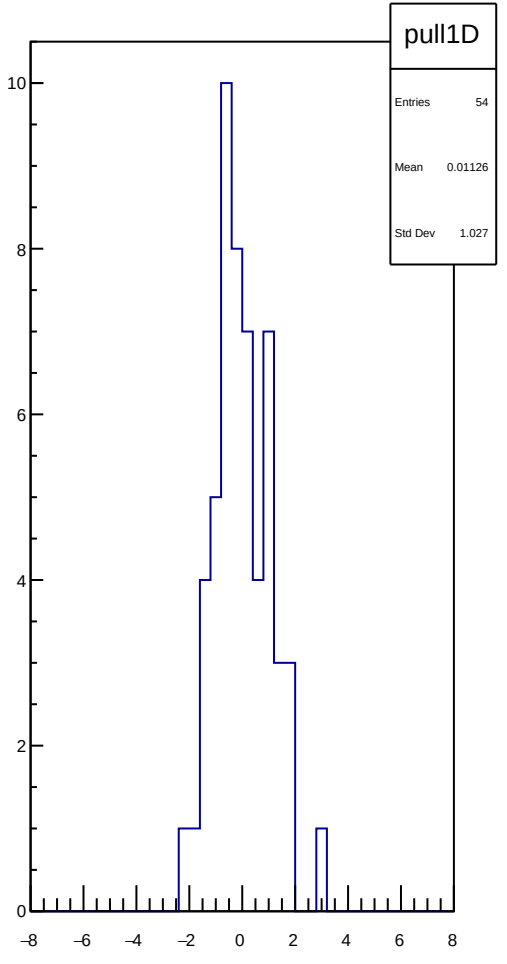

asym_usl_overload_cor_vs_cor_diff_rms vs run
χ² / ndf 8.252e+04 / 53
p0 34.28 ± 0.03468
70
60
50
40
30
20
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

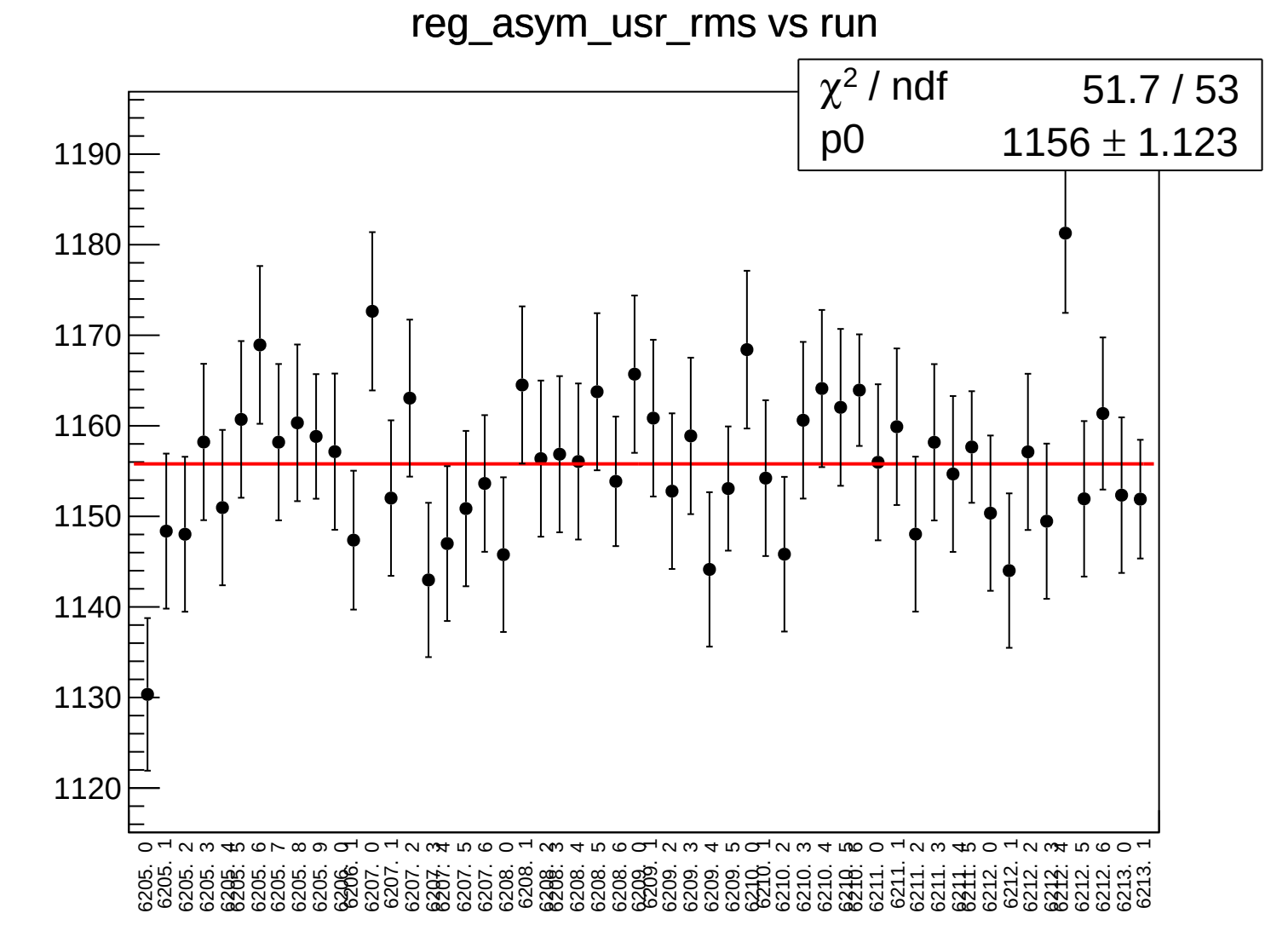

asym_usl_overload_cor_vs_eigen_cor_diff_mean vs run
χ² / ndf 68.75 / 53
p0 −0.05161 ± 0.04904
pull
Entries 54
Mean 53.97
Std Dev 41.59

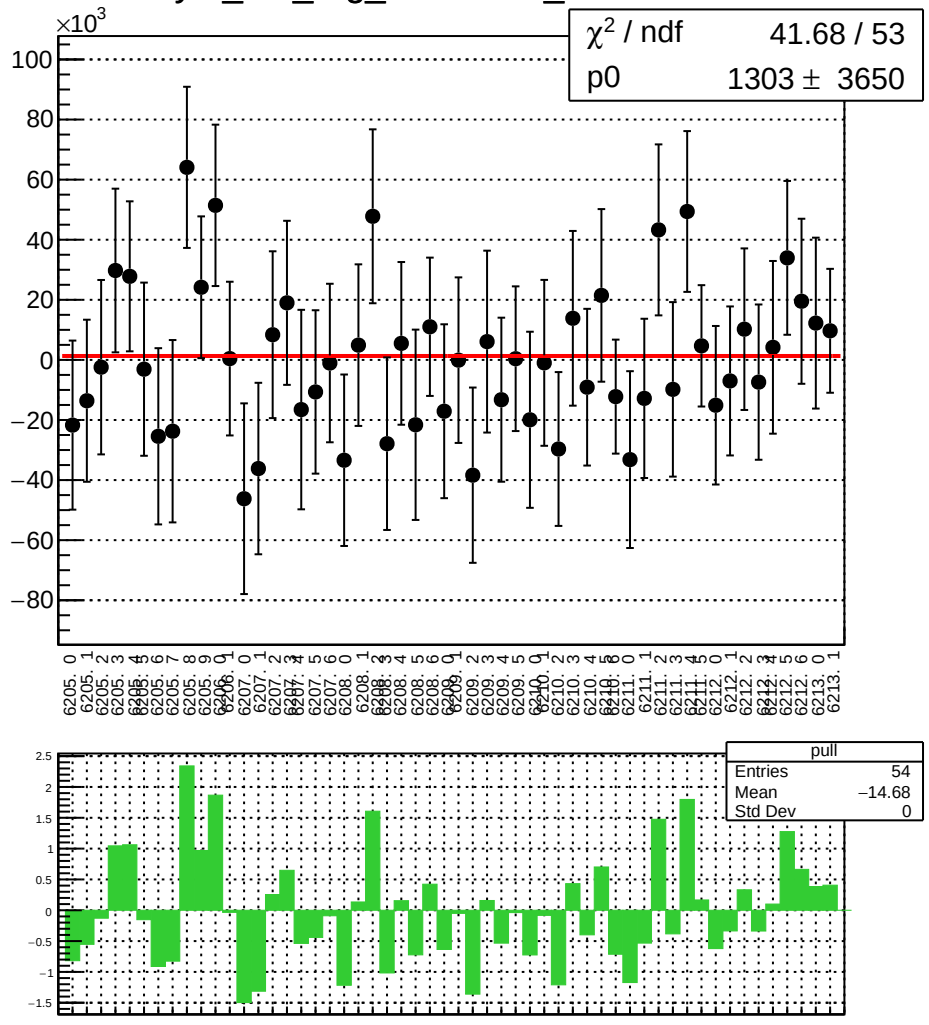

pull1D
Entries 54
Mean 0.02751
Std Dev 1.128

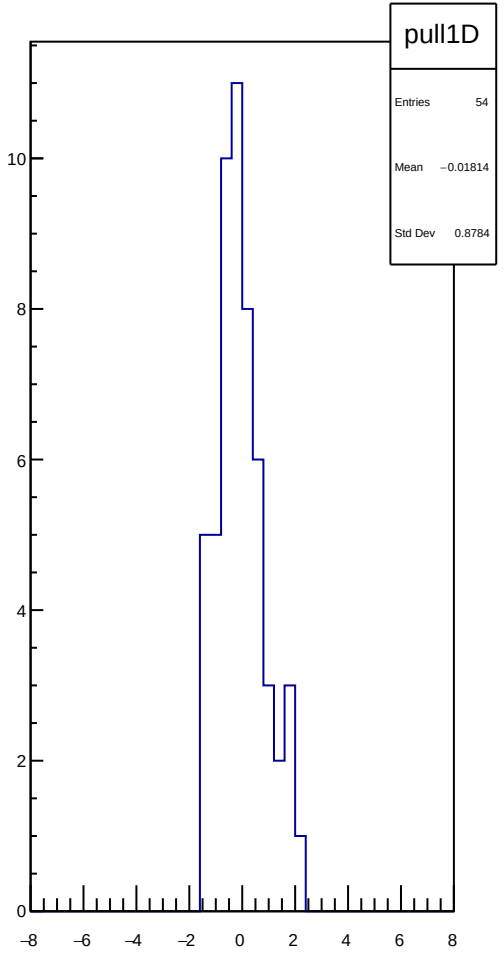

asym_usl_overload_cor_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.252e+04 / 53
p0 34.28 ± 0.03468
70
60
50
40
30
20
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

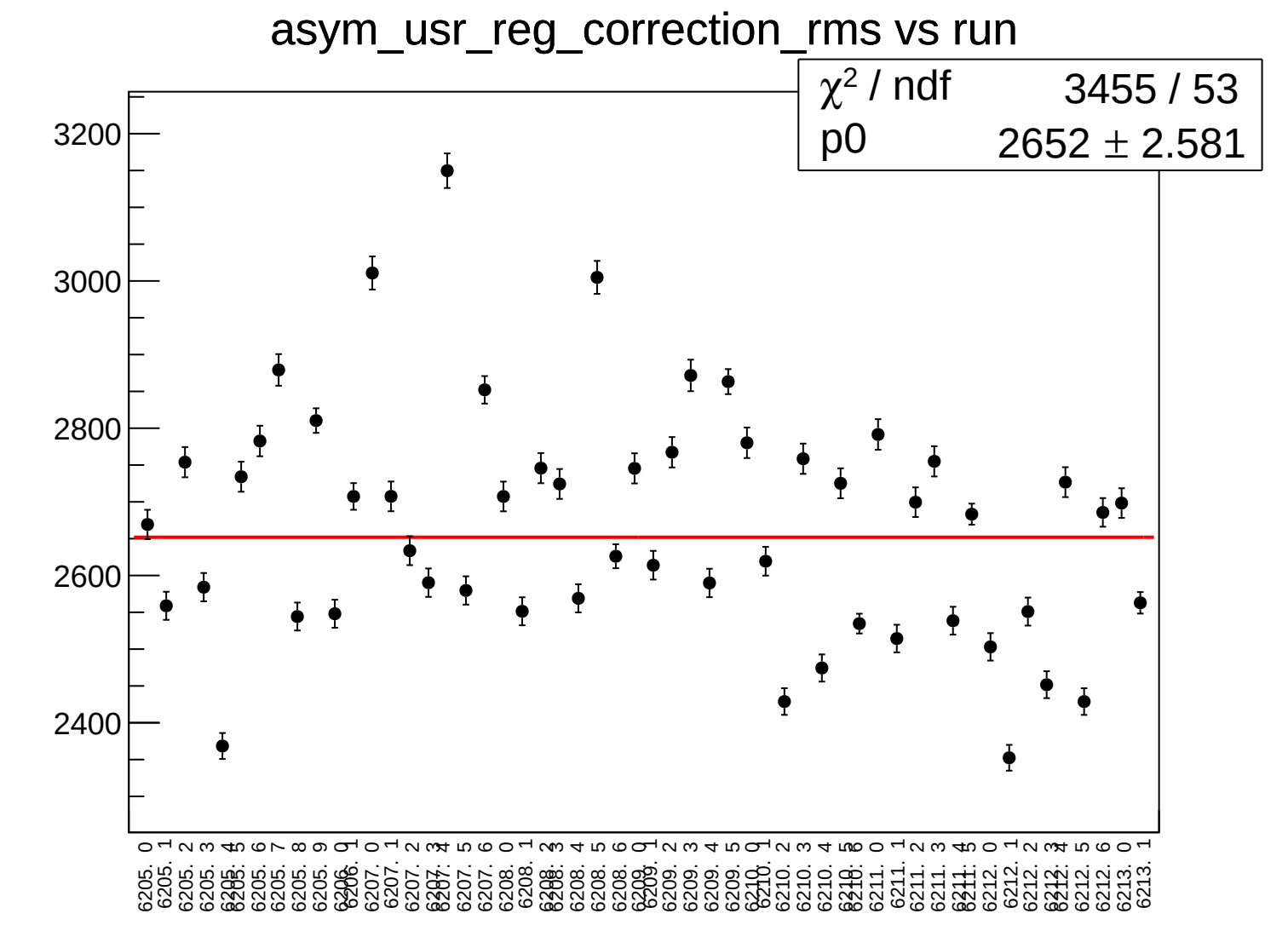

reg_asym_usr_mean vs run
χ² / ndf 56.93 / 53
p0 −92.34 ± 1588
pull
Entries 54
Mean 49.7
Std Dev 16.4


pull1D
Entries 54
Mean 0.01126
Std Dev 1.027


reg_asym_usr_rms vs run
χ² / ndf 51.7 / 53
p0 1156 ± 1.123
1190
1180
1170
1160
1150
1140
1130
1120
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1


asym_usr_reg_correction_mean vs run
×10^3
χ² / ndf 41.68 / 53
p0 1303 ± 3650
pull
Entries 54
Mean −14.68
Std Dev 0


pull1D
Entries 54
Mean −0.01814
Std Dev 0.8784


asym_usr_reg_correction_rms vs run
χ² / ndf 3455 / 53
p0 2652 ± 2.581
3200
3000
2800
2600
2400
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
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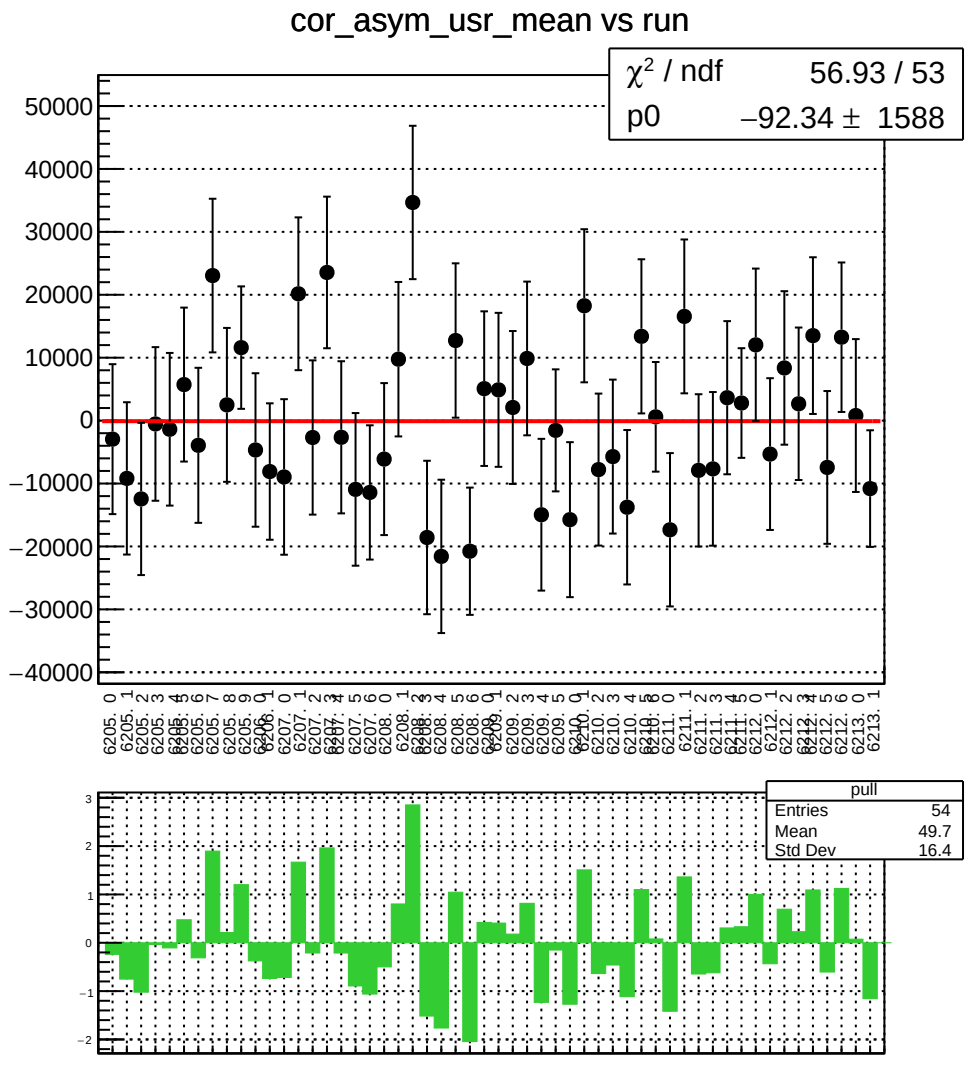
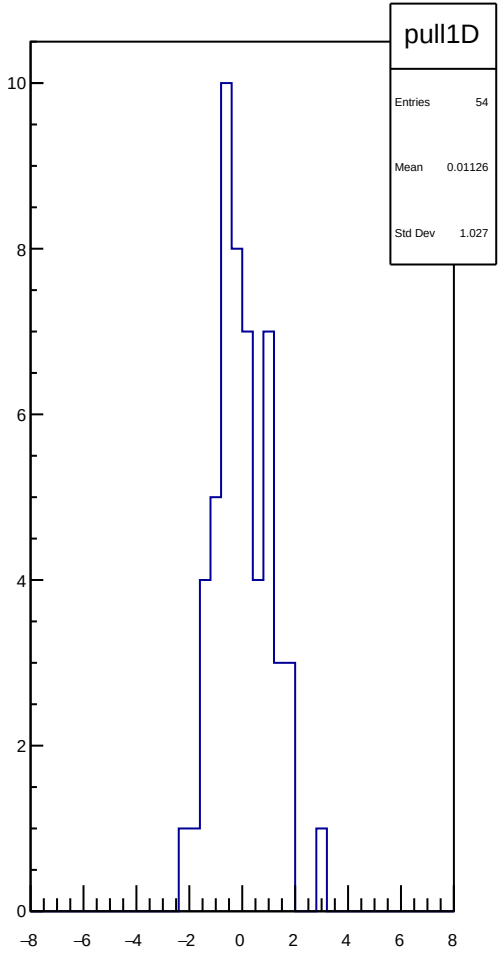
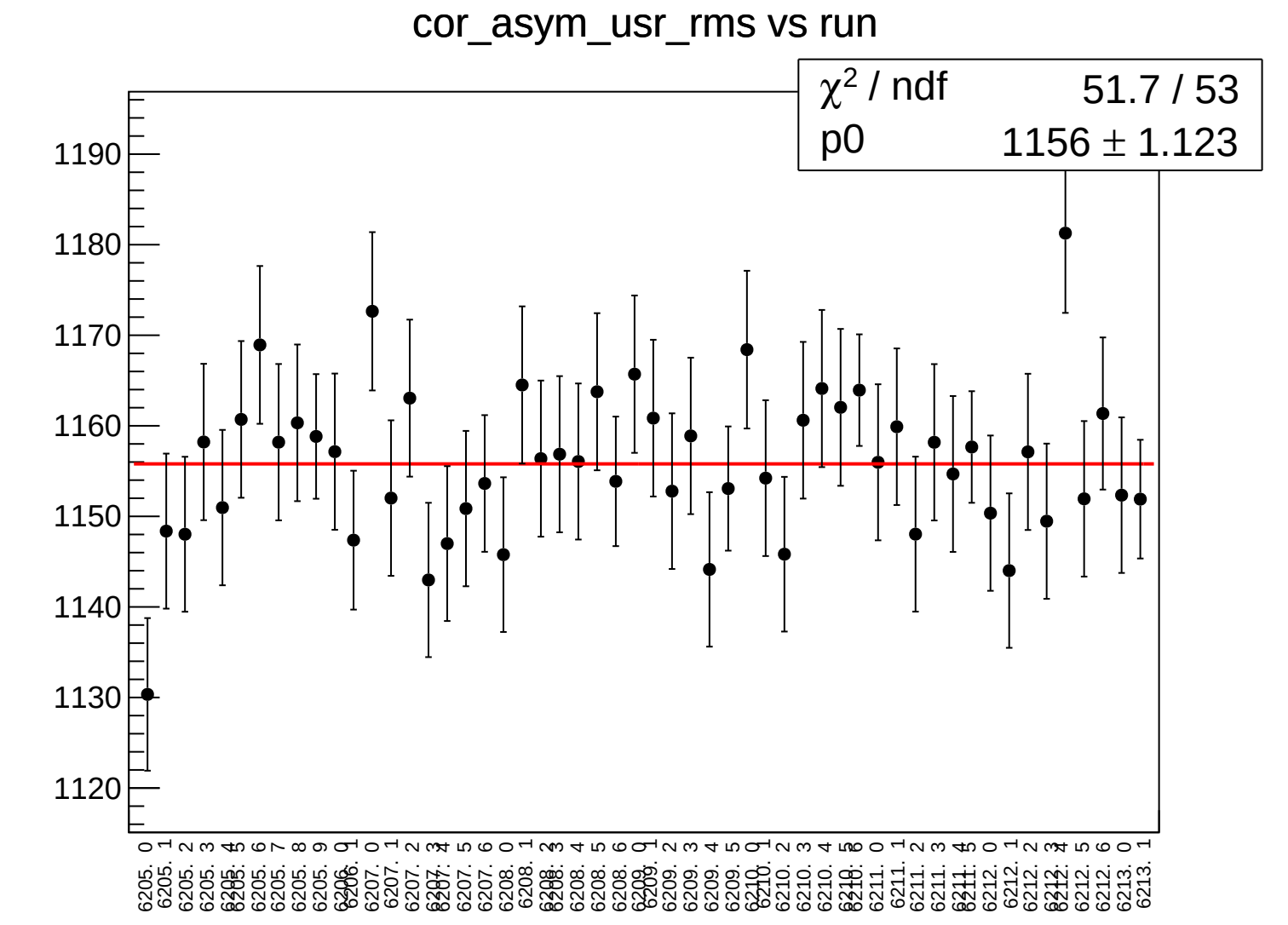
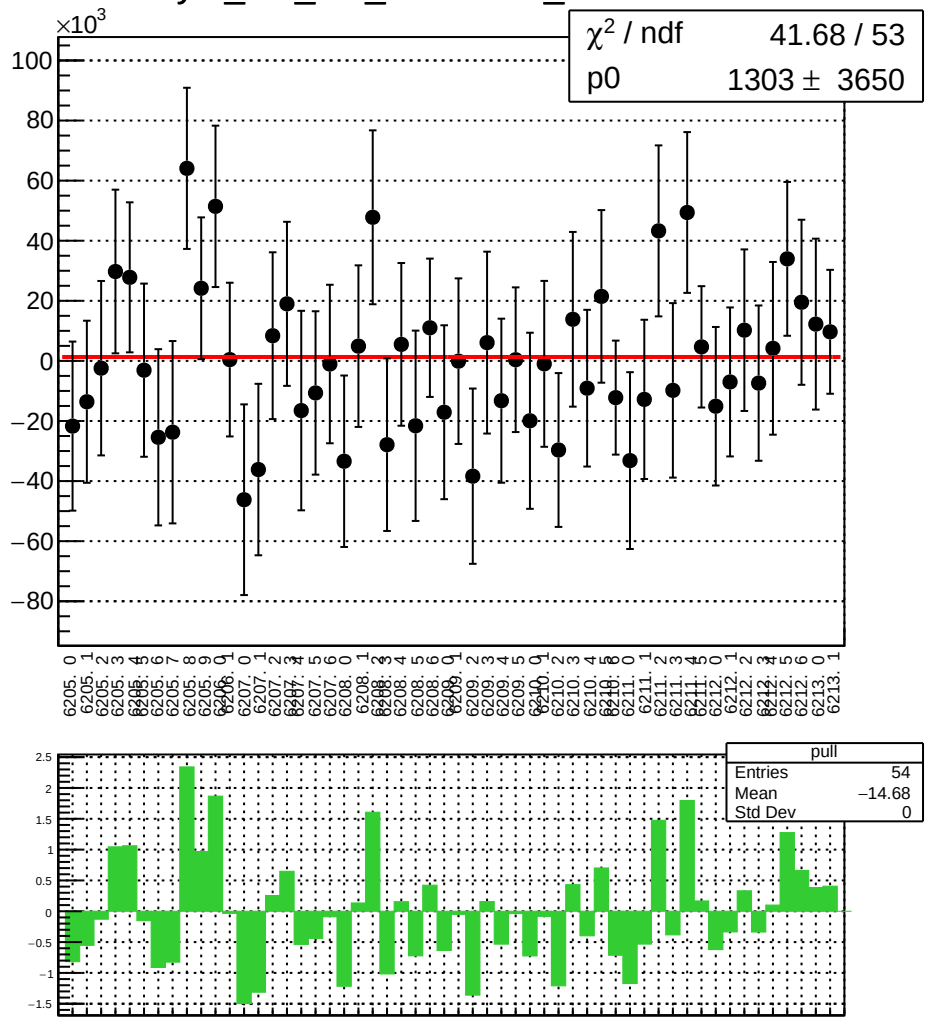
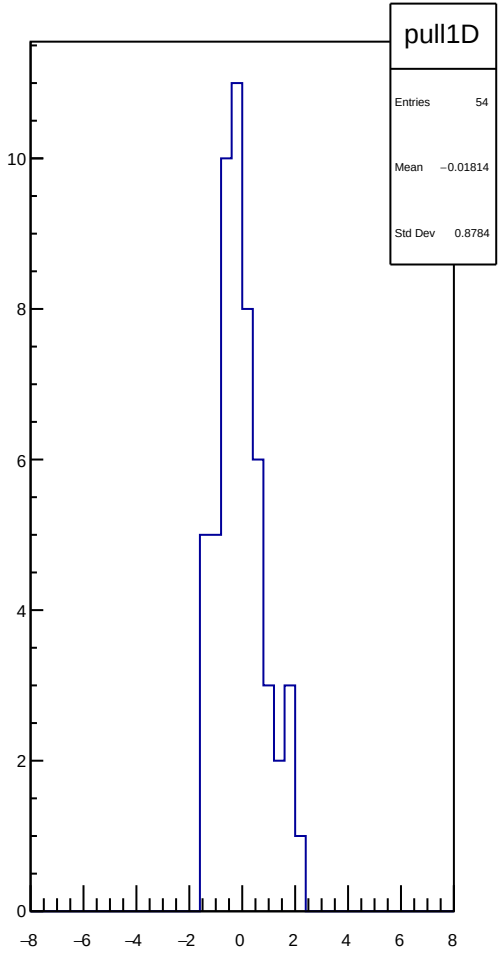
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

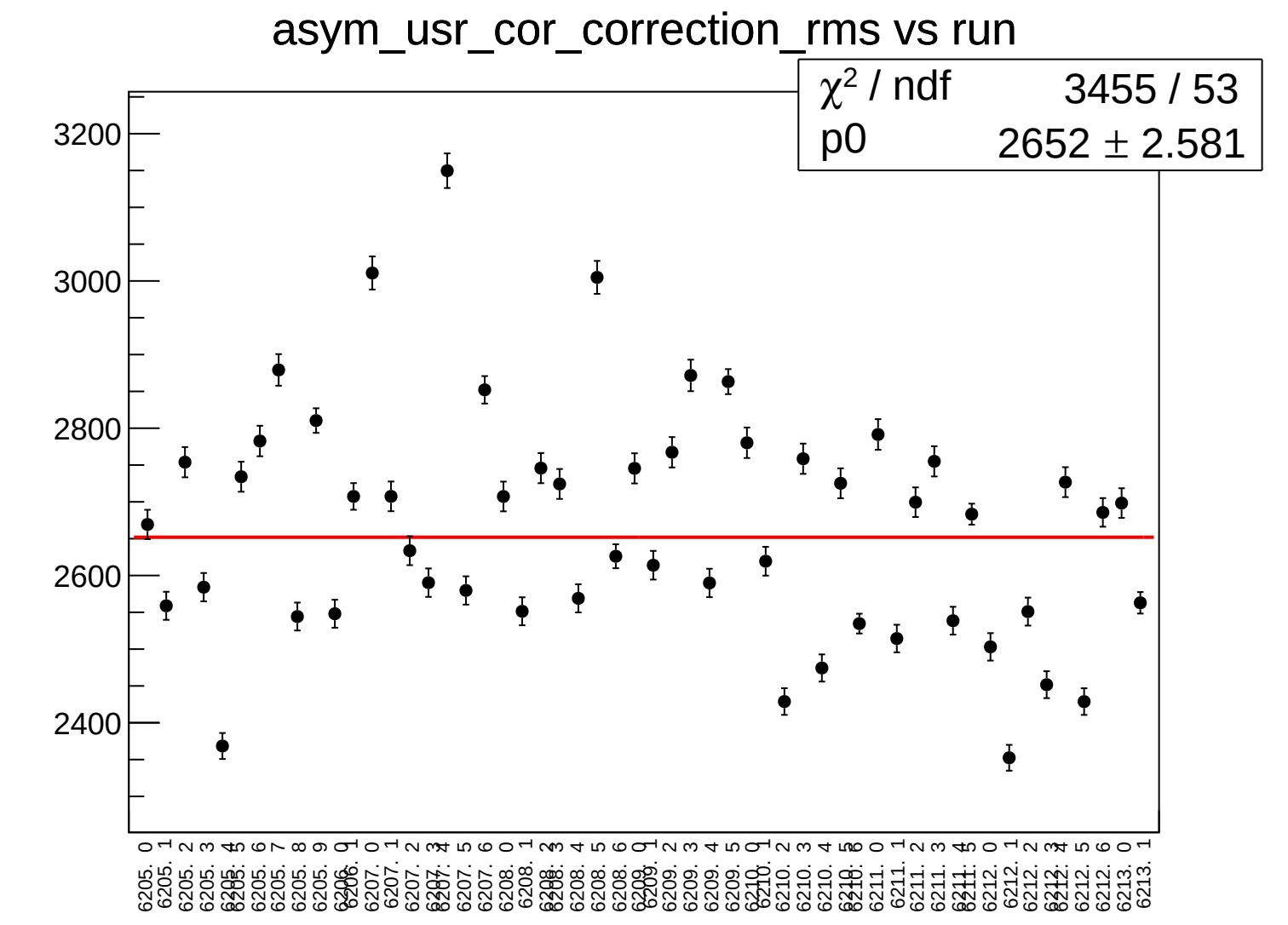

cor_asym_usr_mean vs run
χ² / ndf 56.93 / 53
p0 −92.34 ± 1588
pull
Entries 54
Mean 49.7
Std Dev 16.4

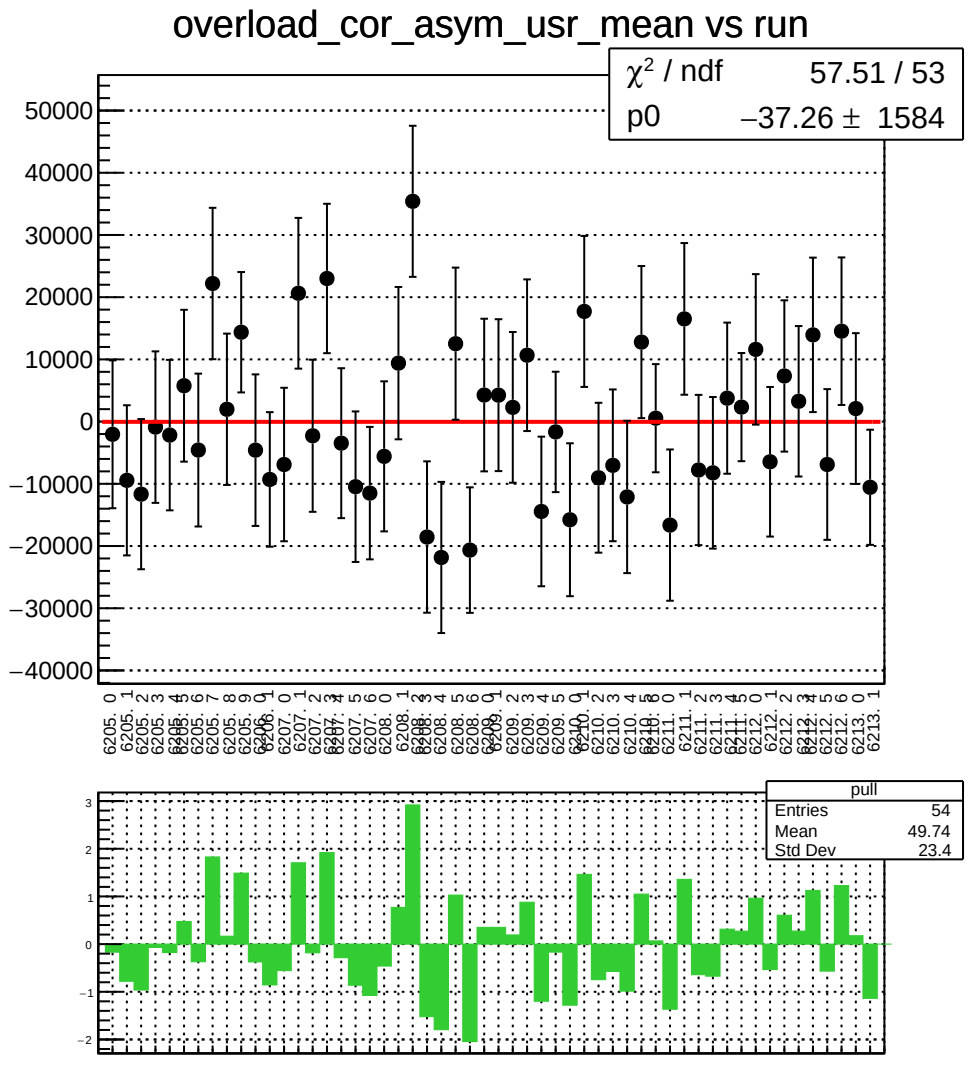

pull1D
Entries 54
Mean 0.01126
Std Dev 1.027

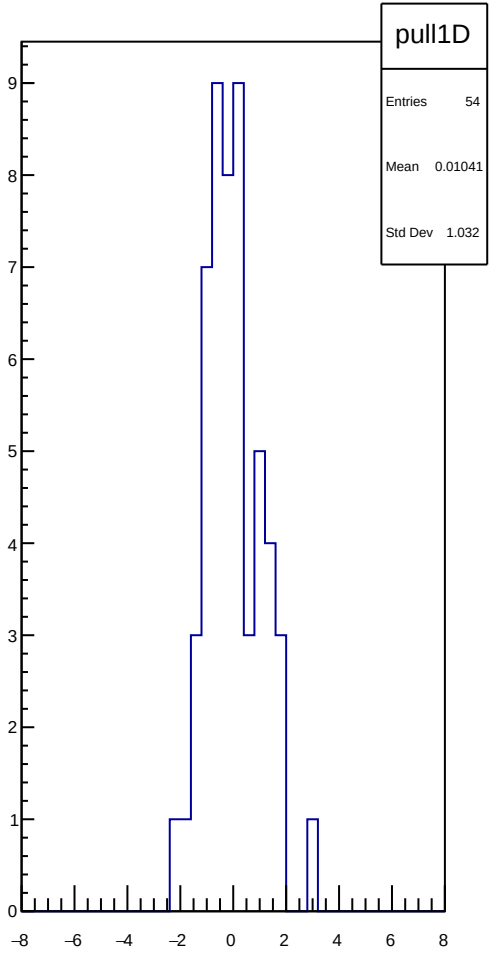

cor_asym_usr_rms vs run
χ² / ndf 51.7 / 53
p0 1156 ± 1.123
1190
1180
1170
1160
1150
1140
1130
1120
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

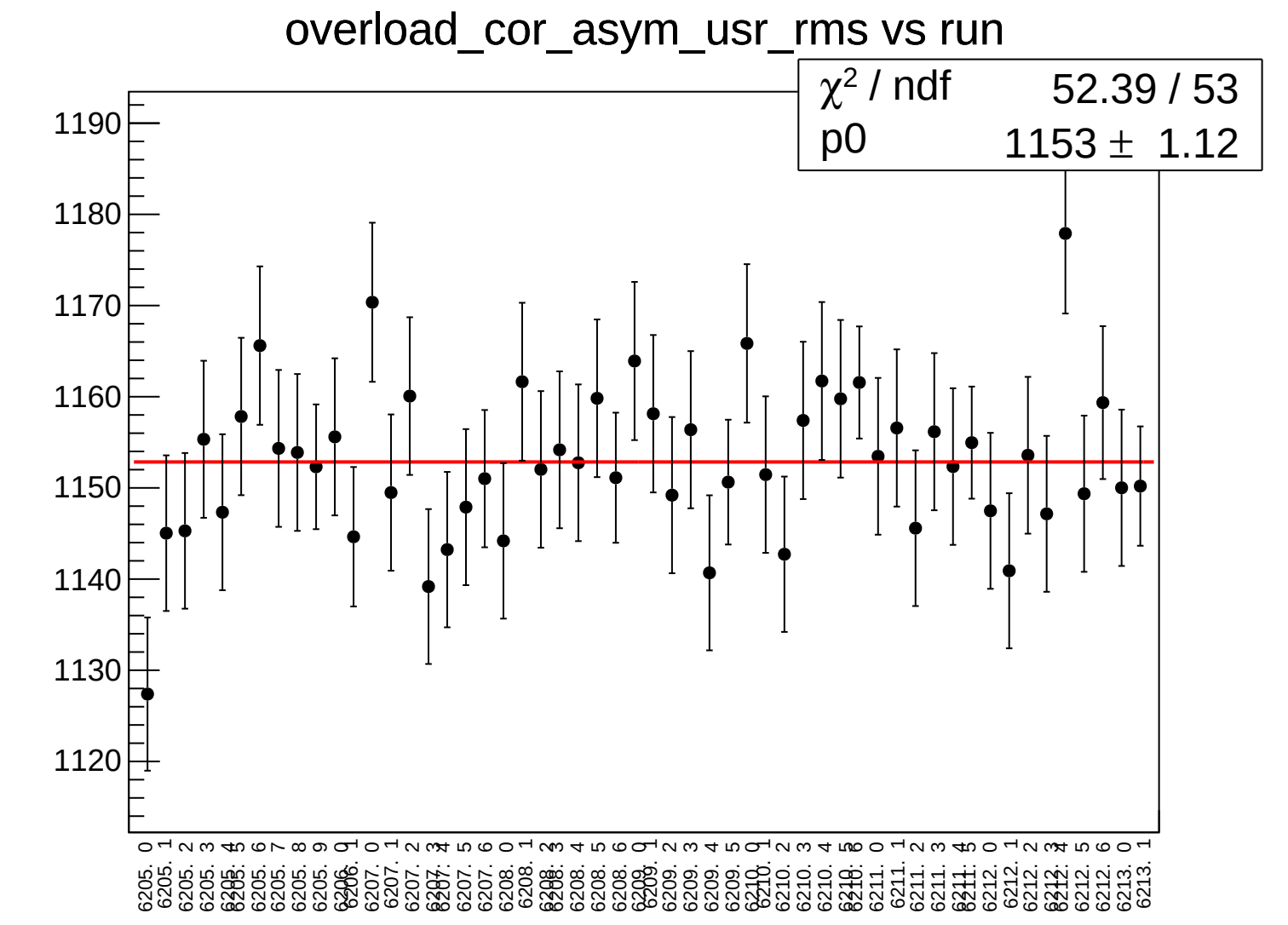

asym_usr_cor_correction_mean vs run
×10^3
χ² / ndf 41.68 / 53
p0 1303 ± 3650
pull
Entries 54
Mean −14.68
Std Dev 0

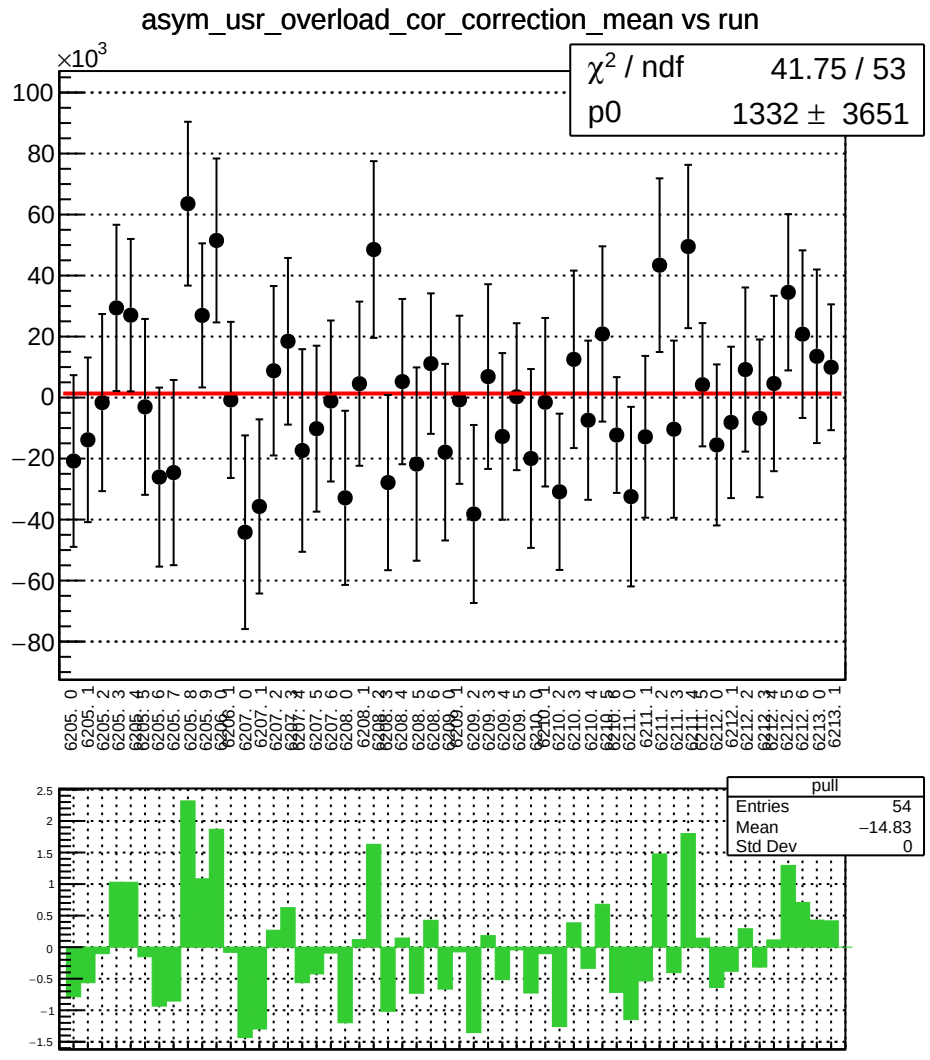

pull1D
Entries 54
Mean −0.01814
Std Dev 0.8784

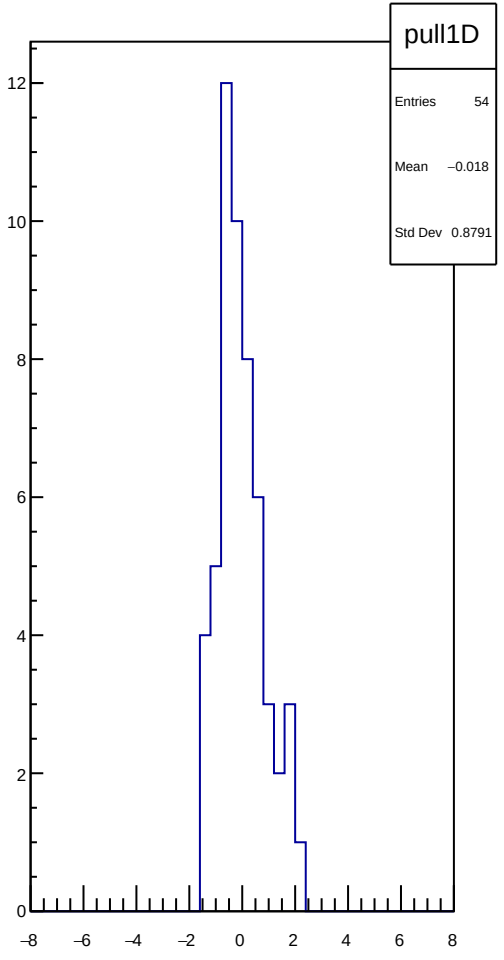

asym_usr_cor_correction_rms vs run
χ² / ndf 3455 / 53
p0 2652 ± 2.581
3200
3000
2800
2600
2400
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

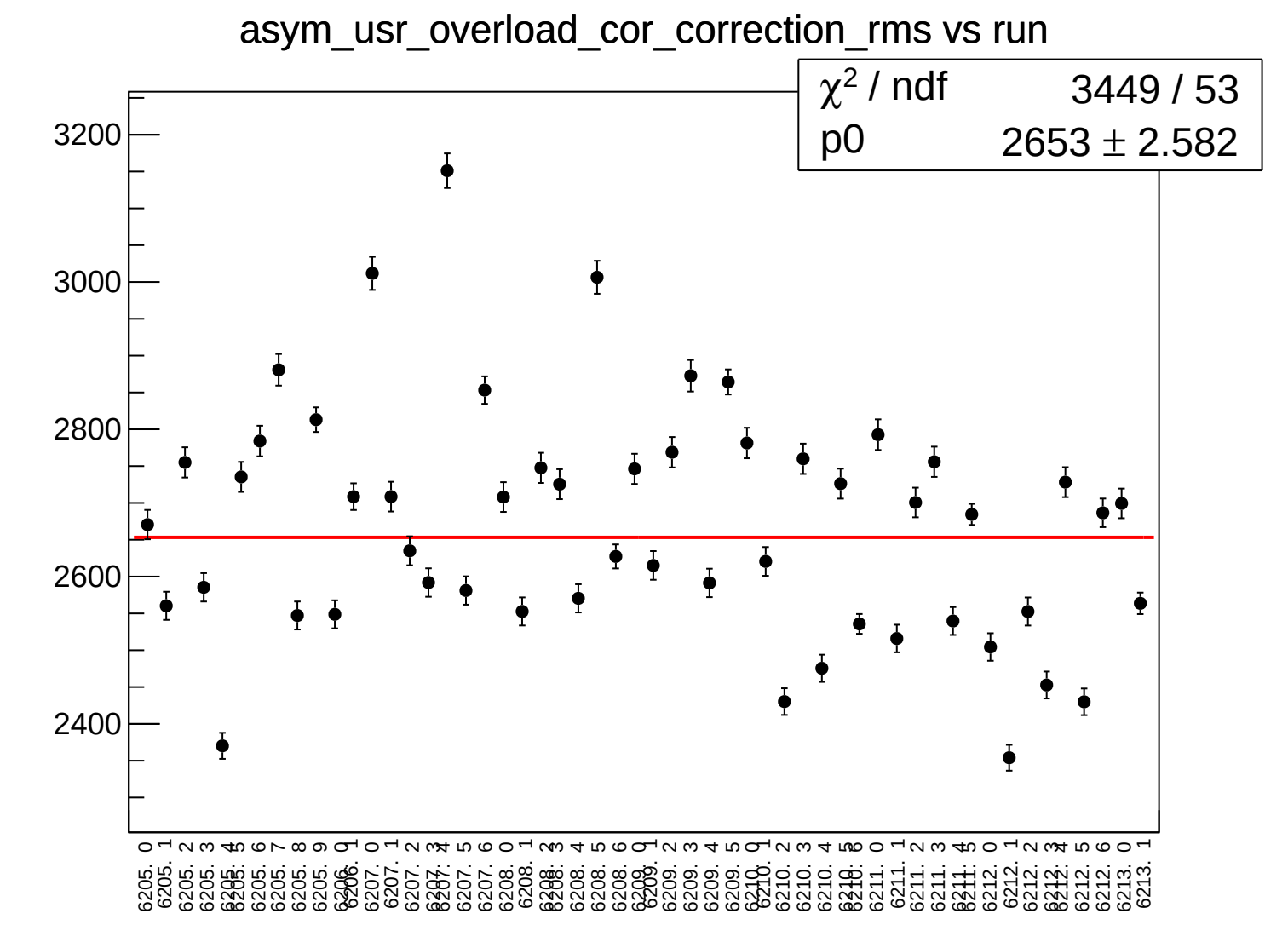

overload_cor_asym_usr_mean vs run
χ² / ndf 57.51 / 53
p0 −37.26 ± 1584
pull
Entries 54
Mean 49.74
Std Dev 23.4

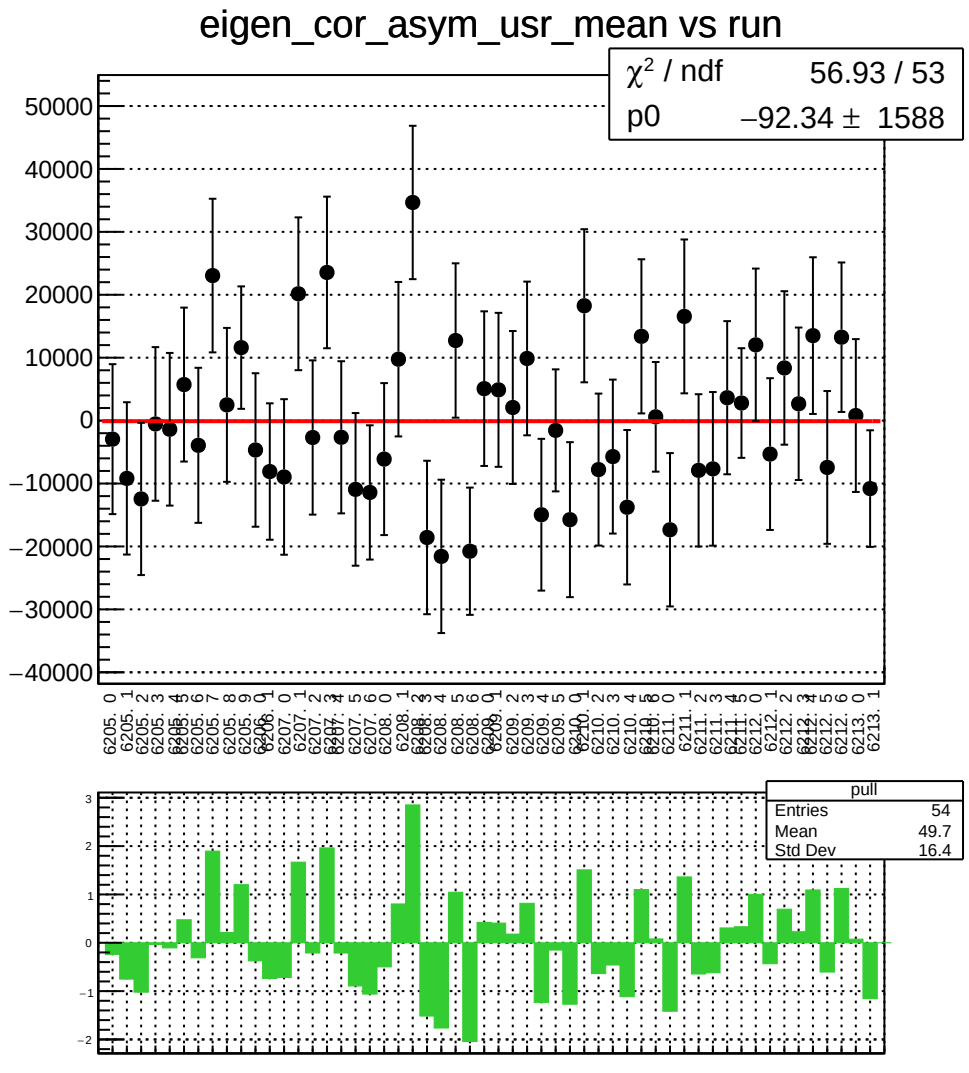

pull1D
Entries 54
Mean 0.01041
Std Dev 1.032

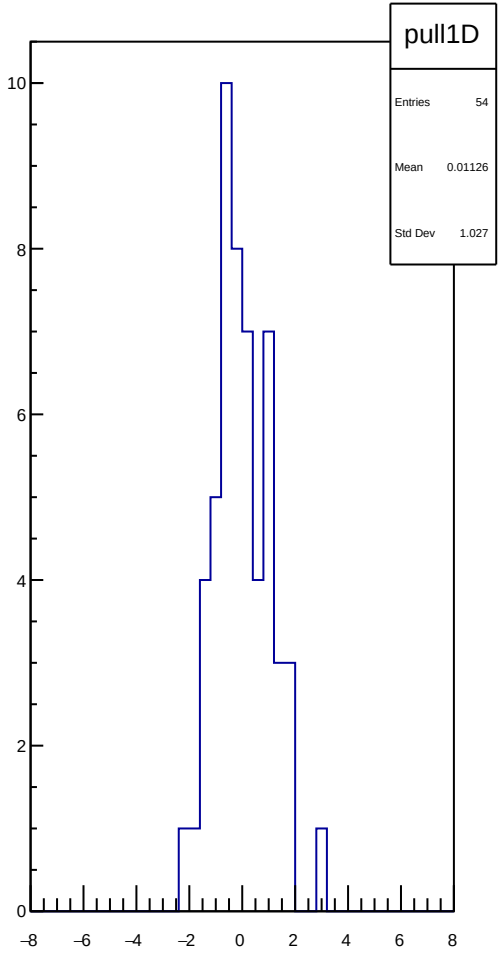

overload_cor_asym_usr_rms vs run
χ² / ndf 52.39 / 53
p0 1153 ± 1.12
1190
1180
1170
1160
1150
1140
1130
1120
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

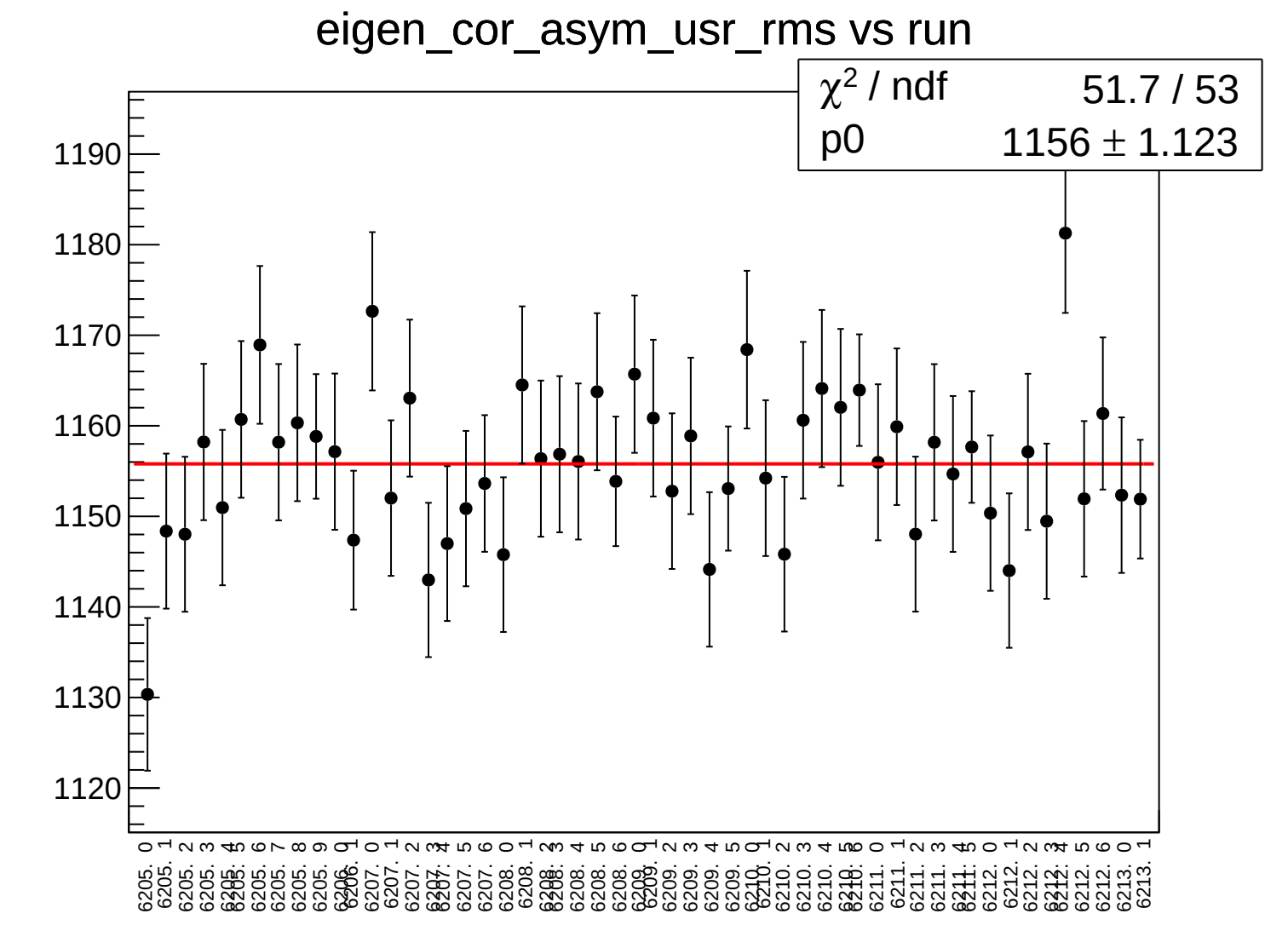

asym_usr_overload_cor_correction_mean vs run
×10^3
χ² / ndf 41.75 / 53
p0 1332 ± 3651
pull
Entries 54
Mean −14.83
Std Dev 0

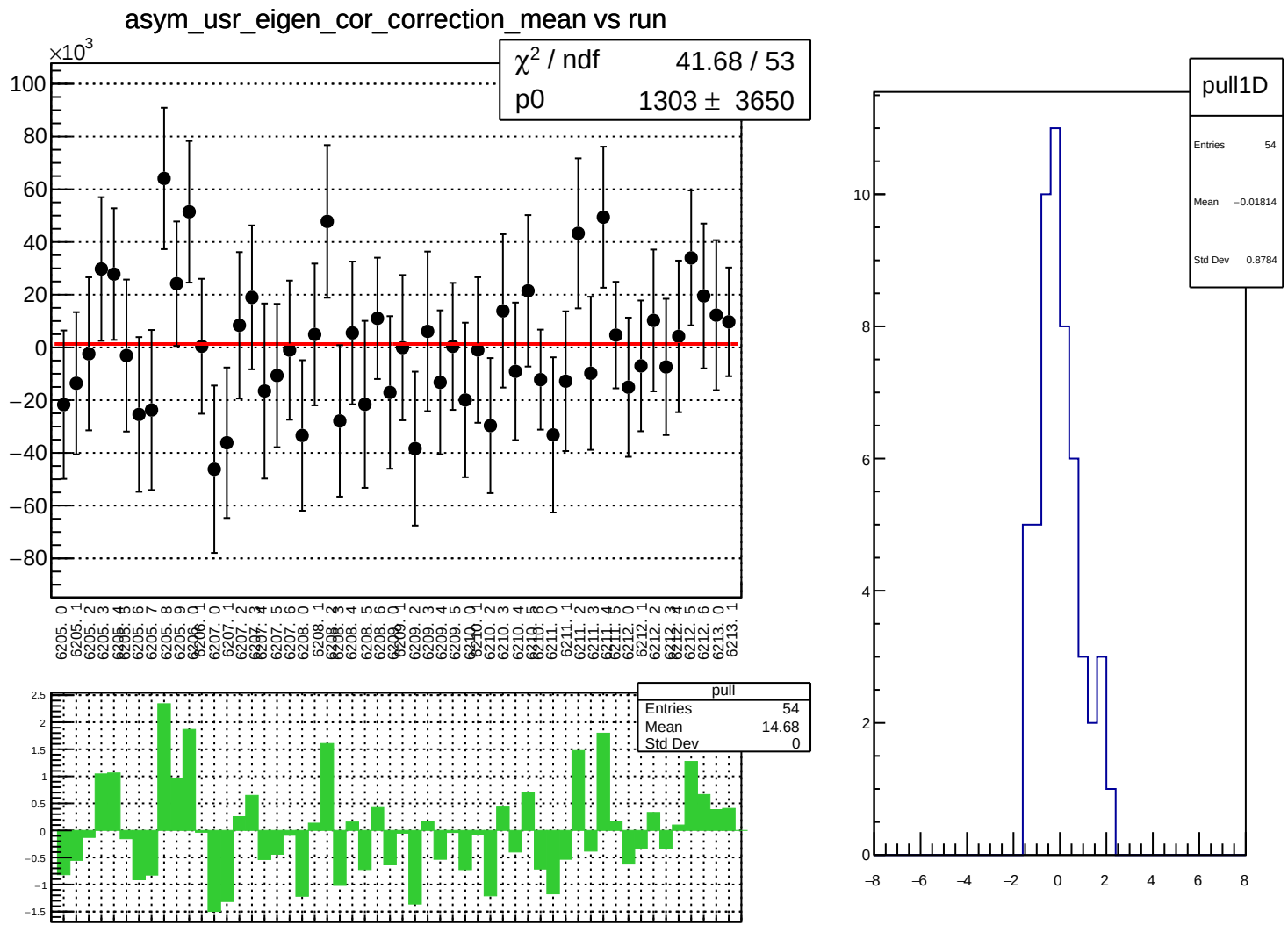

pull1D
Entries 54
Mean −0.018
Std Dev 0.8791

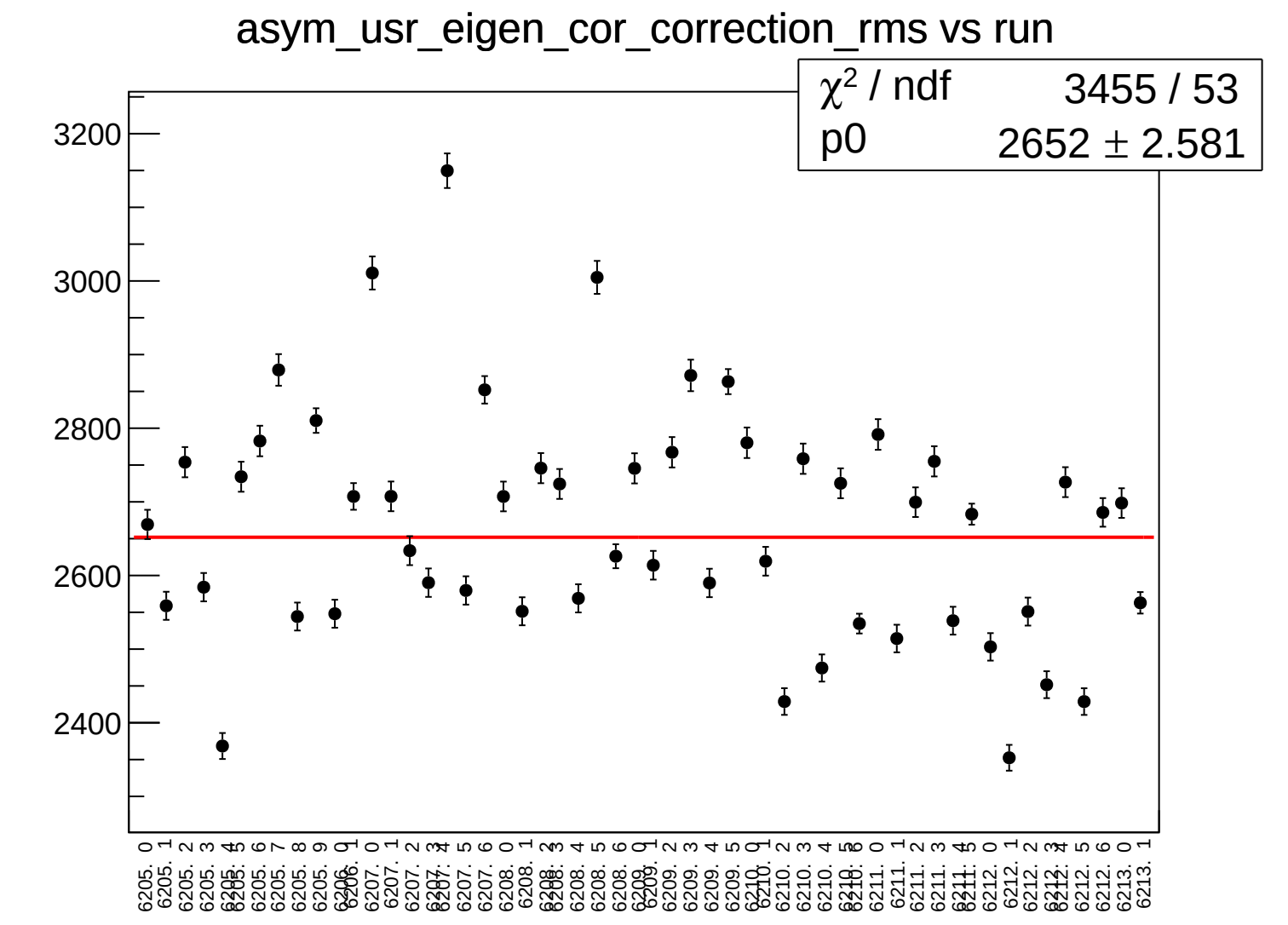

asym_usr_overload_cor_correction_rms vs run
χ² / ndf 3449 / 53
p0 2653 ± 2.582
3200
3000
2800
2600
2400
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

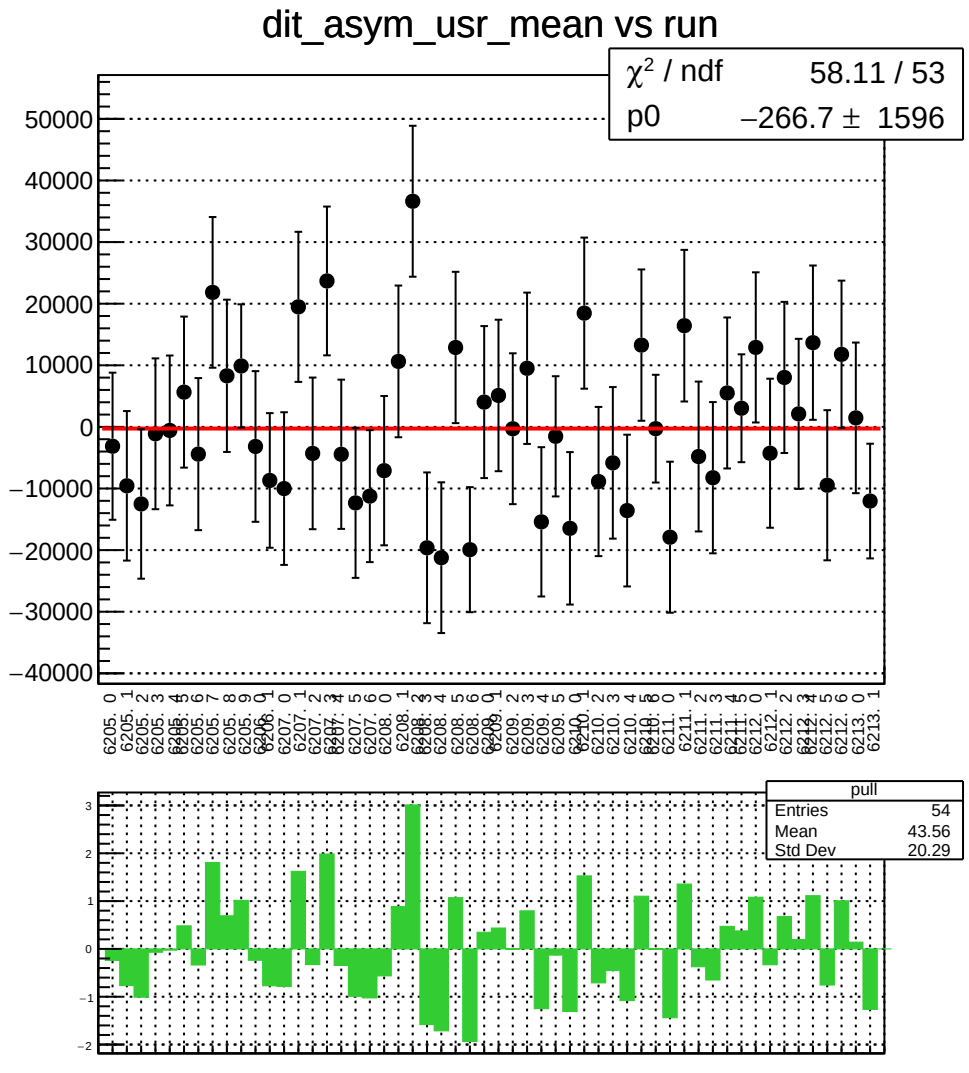

eigen_cor_asym_usr_mean vs run
χ² / ndf 56.93 / 53
p0 −92.34 ± 1588
pull
Entries 54
Mean 49.7
Std Dev 16.4

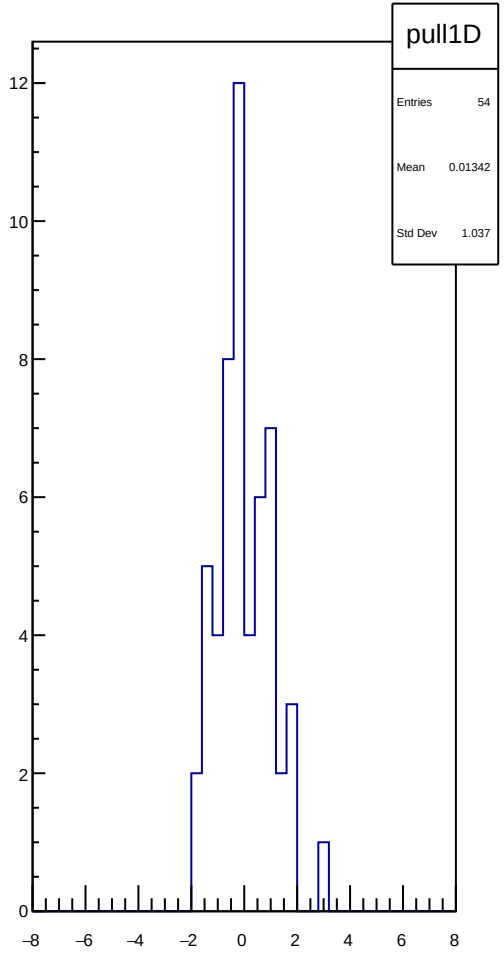

pull1D
Entries 54
Mean 0.01126
Std Dev 1.027

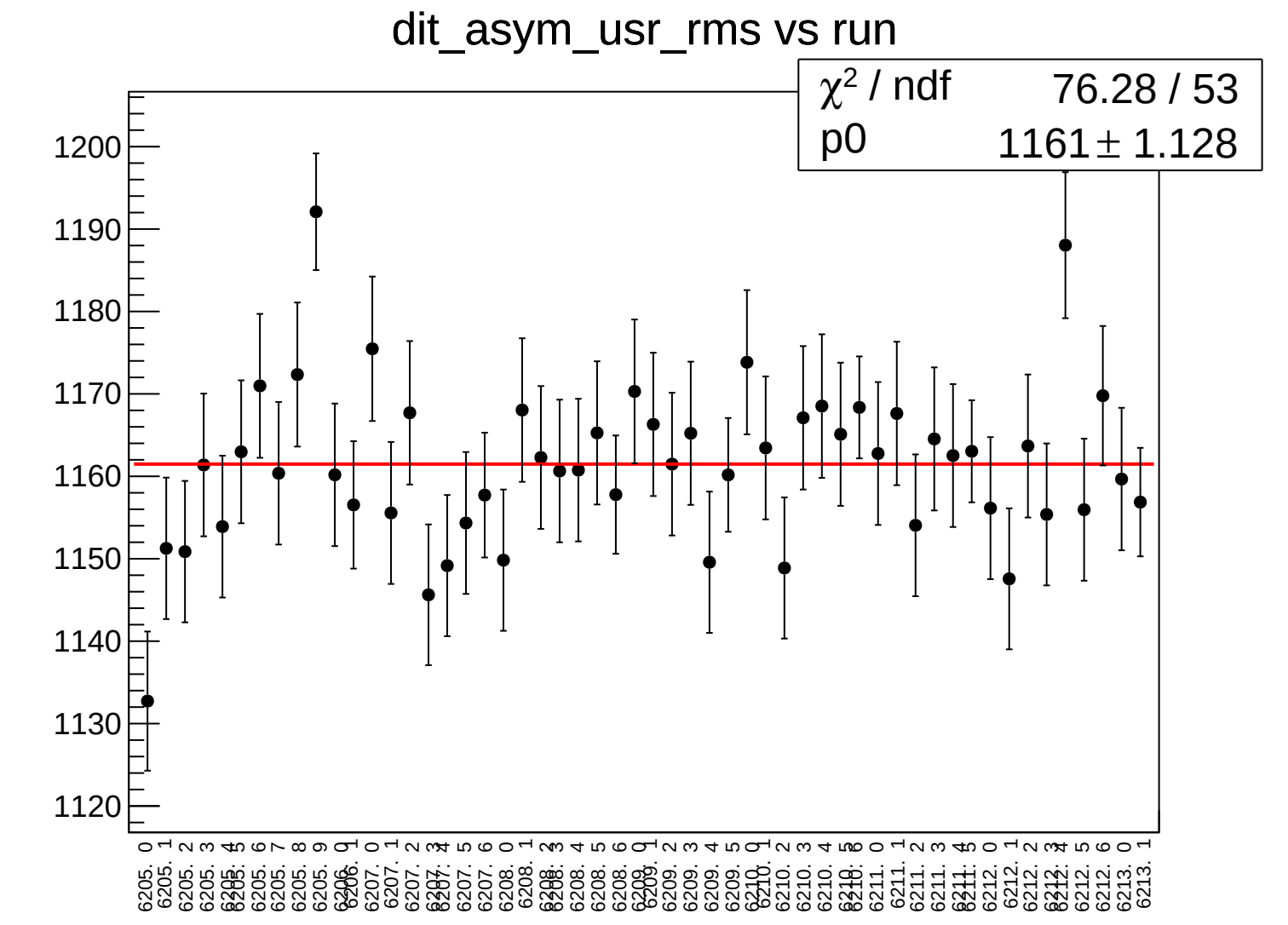

eigen_cor_asym_usr_rms vs run
χ² / ndf 51.7 / 53
p0 1156 ± 1.123
1190
1180
1170
1160
1150
1140
1130
1120
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

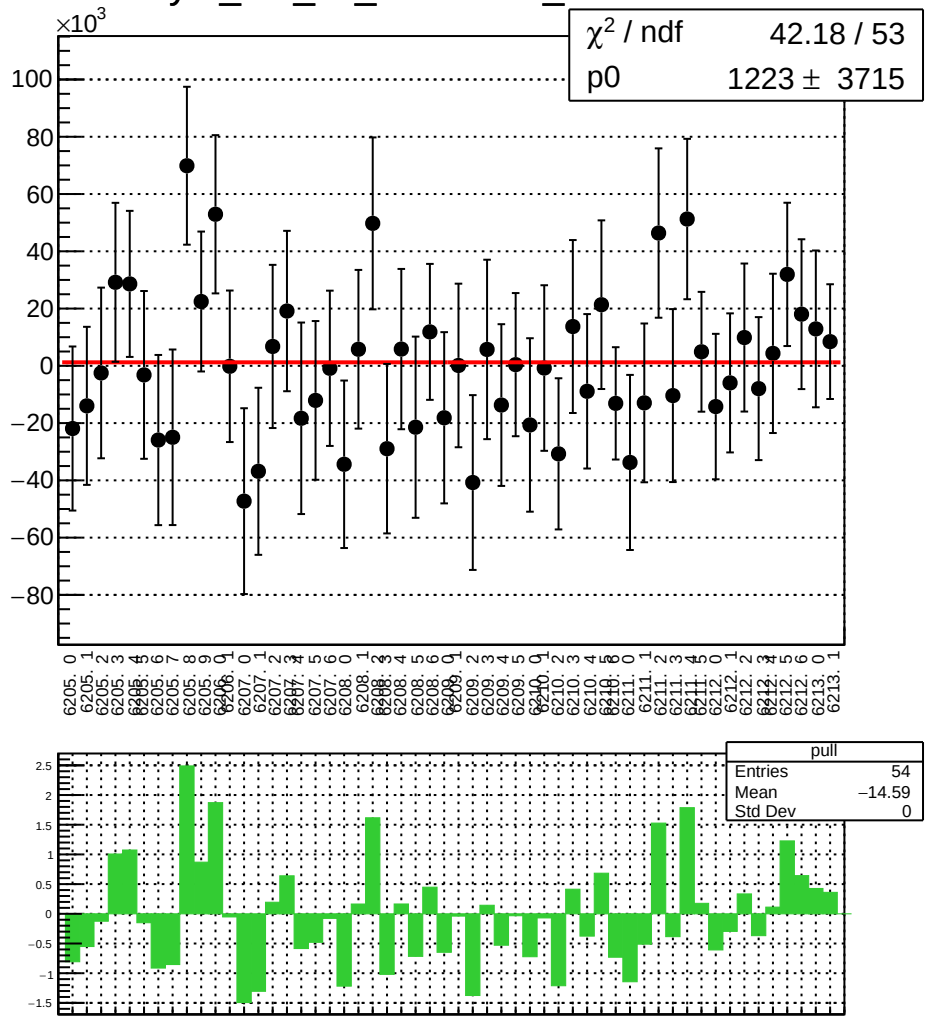

asym_usr_eigen_cor_correction_mean vs run
×10^3
χ^2 / ndf 41.68 / 53
p0 1303 ± 3650
pull
Entries 54
Mean −14.68
Std Dev 0
pull1D
Entries 54
Mean −0.01814
Std Dev 0.8784

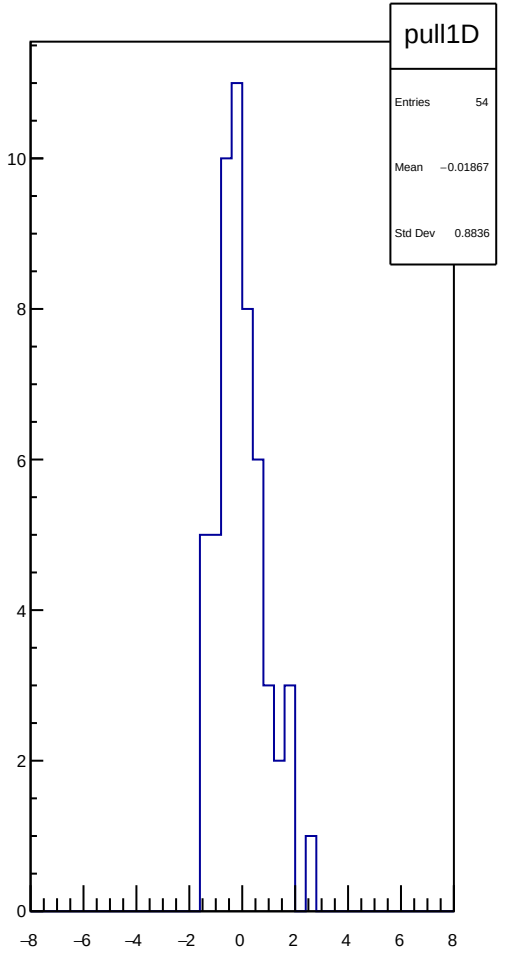

asym_usr_eigen_cor_correction_rms vs run
χ² / ndf 3455 / 53
p0 2652 ± 2.581
3200
3000
2800
2600
2400
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

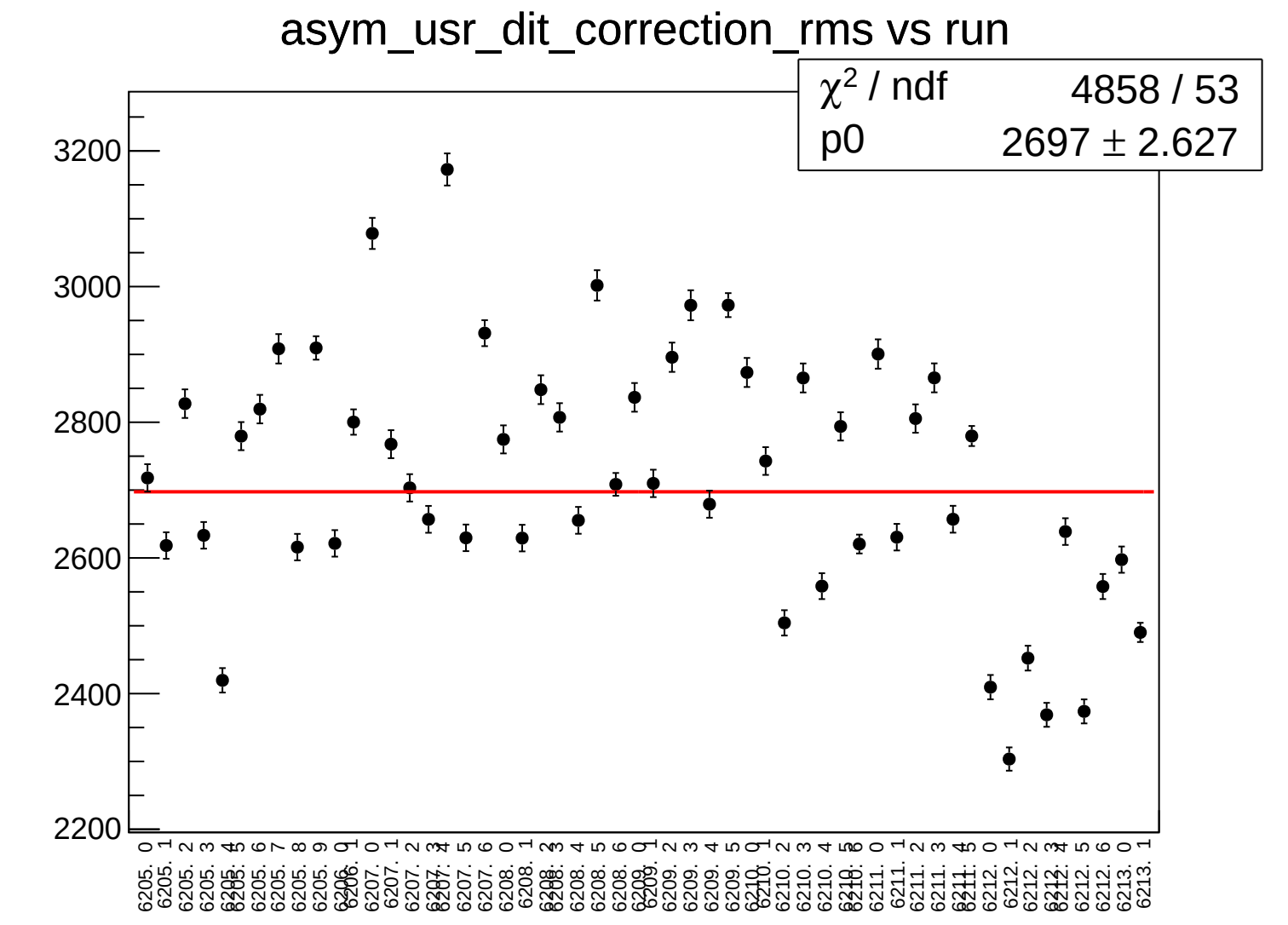

dit_asym_usr_mean vs run
χ² / ndf 58.11 / 53
p0 −266.7 ± 1596
pull
Entries 54
Mean 43.56
Std Dev 20.29


pull1D
Entries 54
Mean 0.01342
Std Dev 1.037


dit_asym_usr_rms vs run
χ² / ndf 76.28 / 53
p0 1161 ± 1.128
1200
1190
1180
1170
1160
1150
1140
1130
1120
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1


asym_usr_dit_correction_mean vs run
χ² / ndf 42.18 / 53
p0 1223 ± 3715
pull
Entries 54
Mean −14.59
Std Dev 0


pull1D
Entries 54
Mean −0.01867
Std Dev 0.8836


asym_usr_dit_correction_rms vs run
χ² / ndf 4858 / 53
p0 2697 ± 2.627
3200
3000
2800
2600
2400
2200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
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6207. 2
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6207. 4
6207. 5
6207. 6
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6208. 4
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6209. 0
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6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
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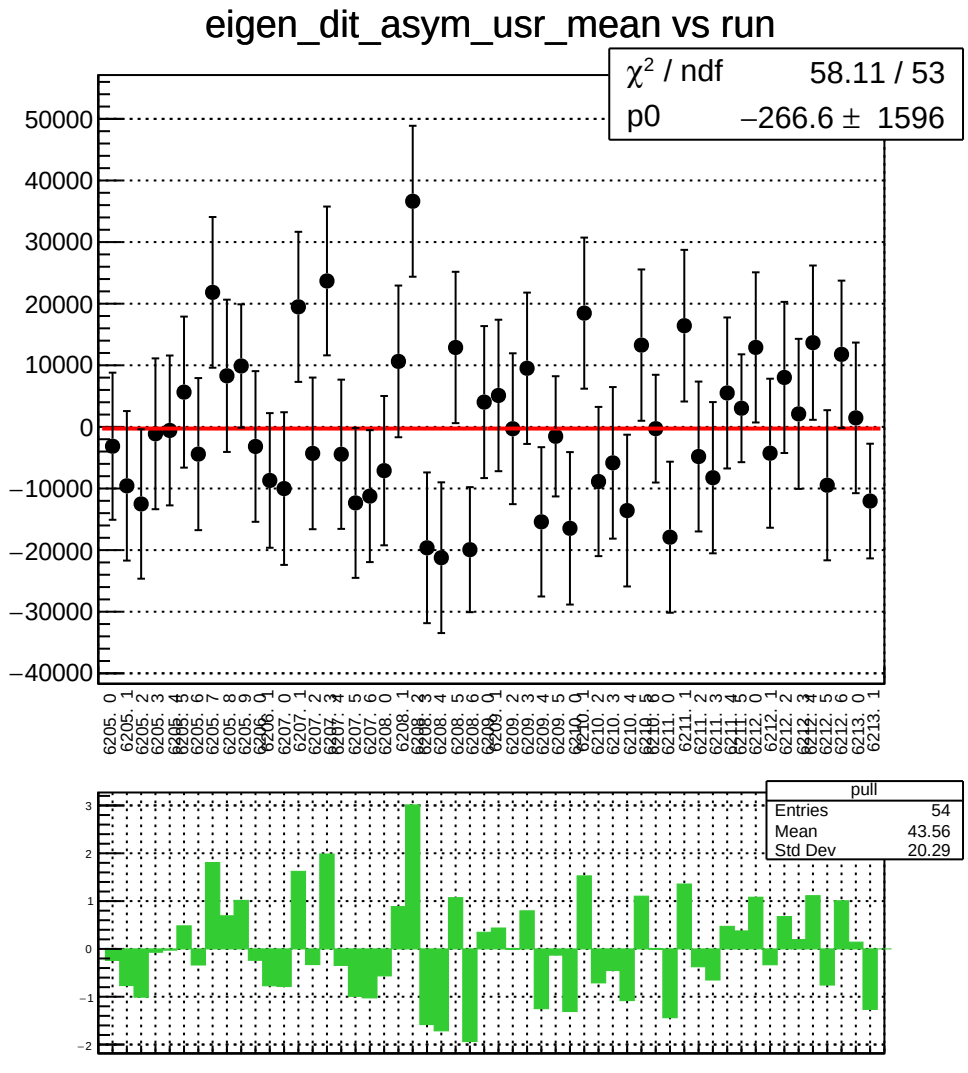
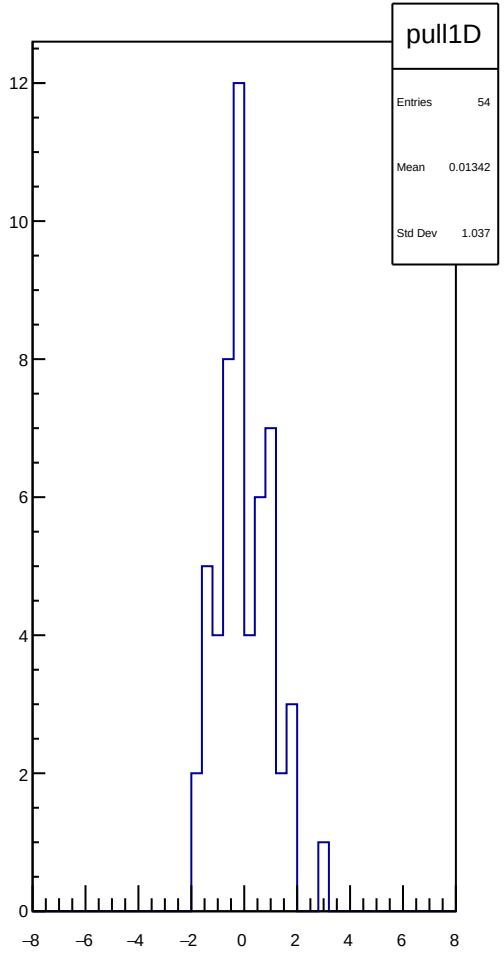
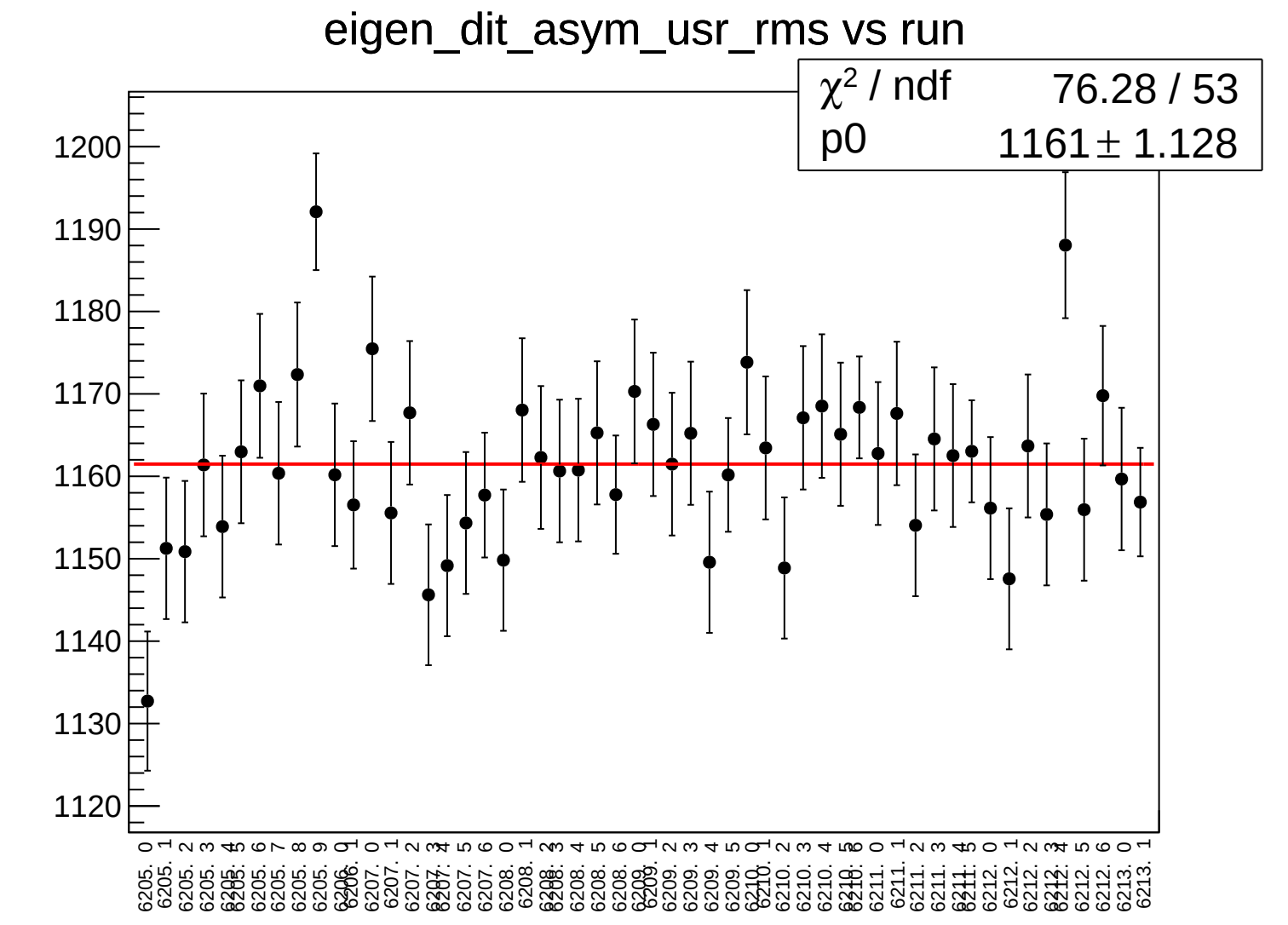
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


eigen_dit_asym_usr_mean vs run
χ² / ndf 58.11 / 53
p0 −266.6 ± 1596
pull
Entries 54
Mean 43.56
Std Dev 20.29


pull1D
Entries 54
Mean 0.01342
Std Dev 1.037


eigen_dit_asym_usr_rms vs run
χ² / ndf 76.28 / 53
p0 1161 ± 1.128
1200
1190
1180
1170
1160
1150
1140
1130
1120
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
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6206. 0
6206. 1
6207. 0
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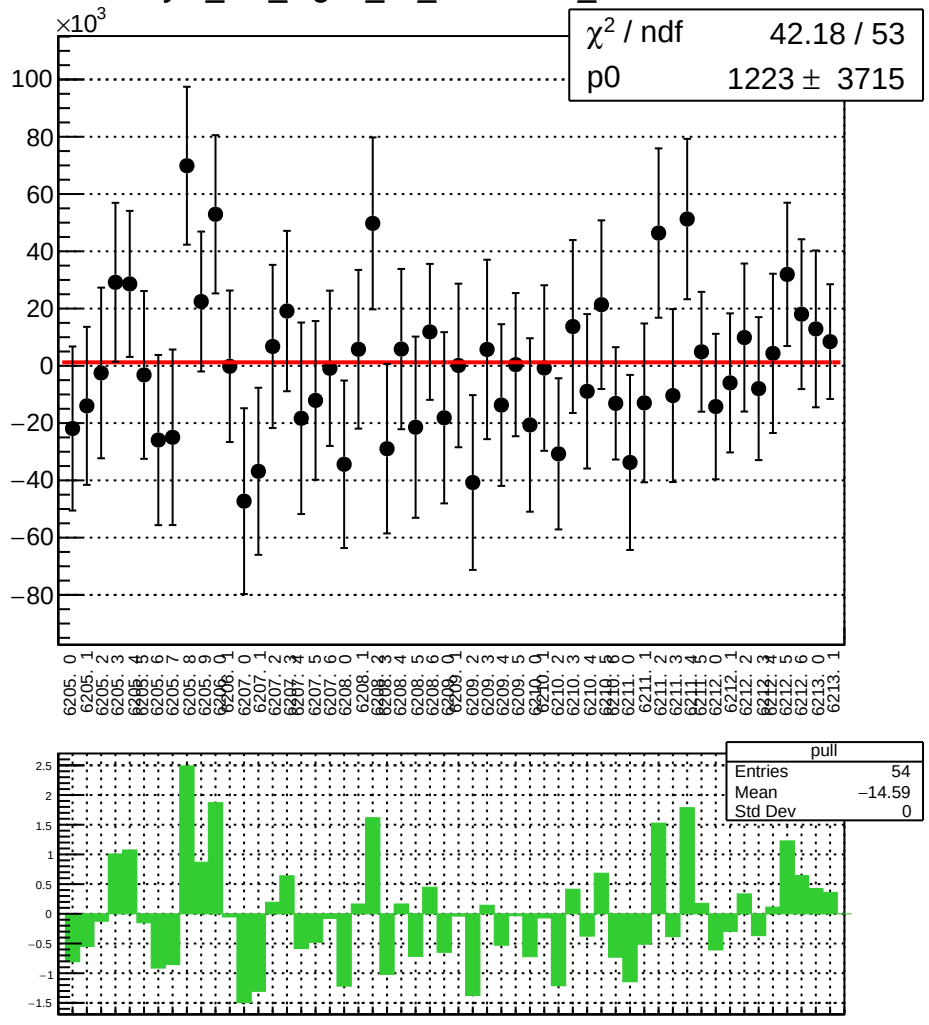
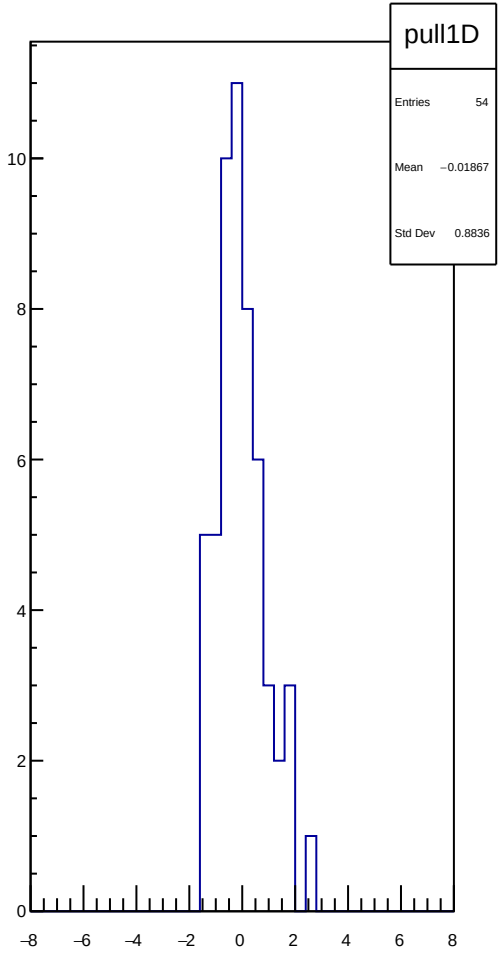
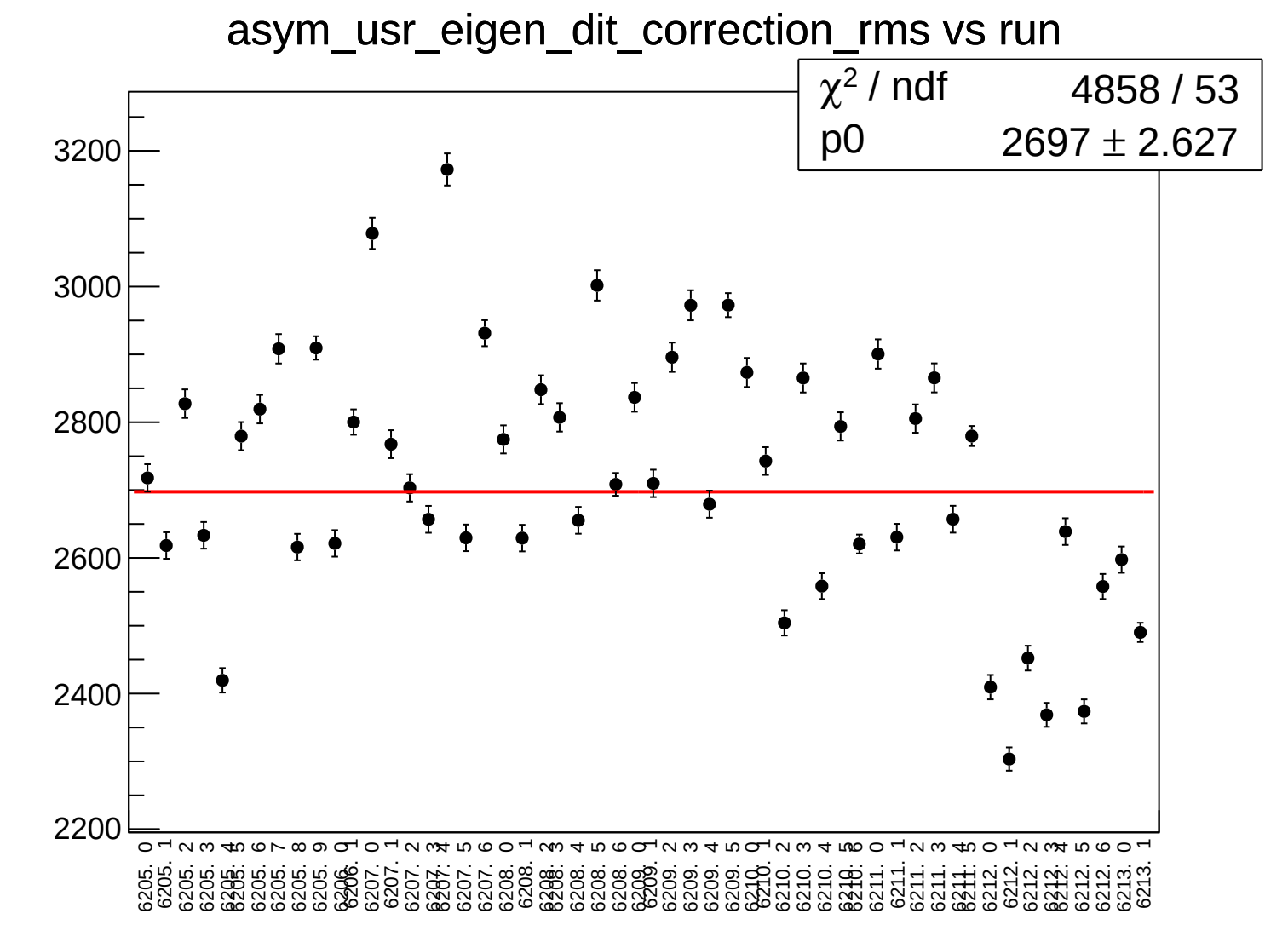
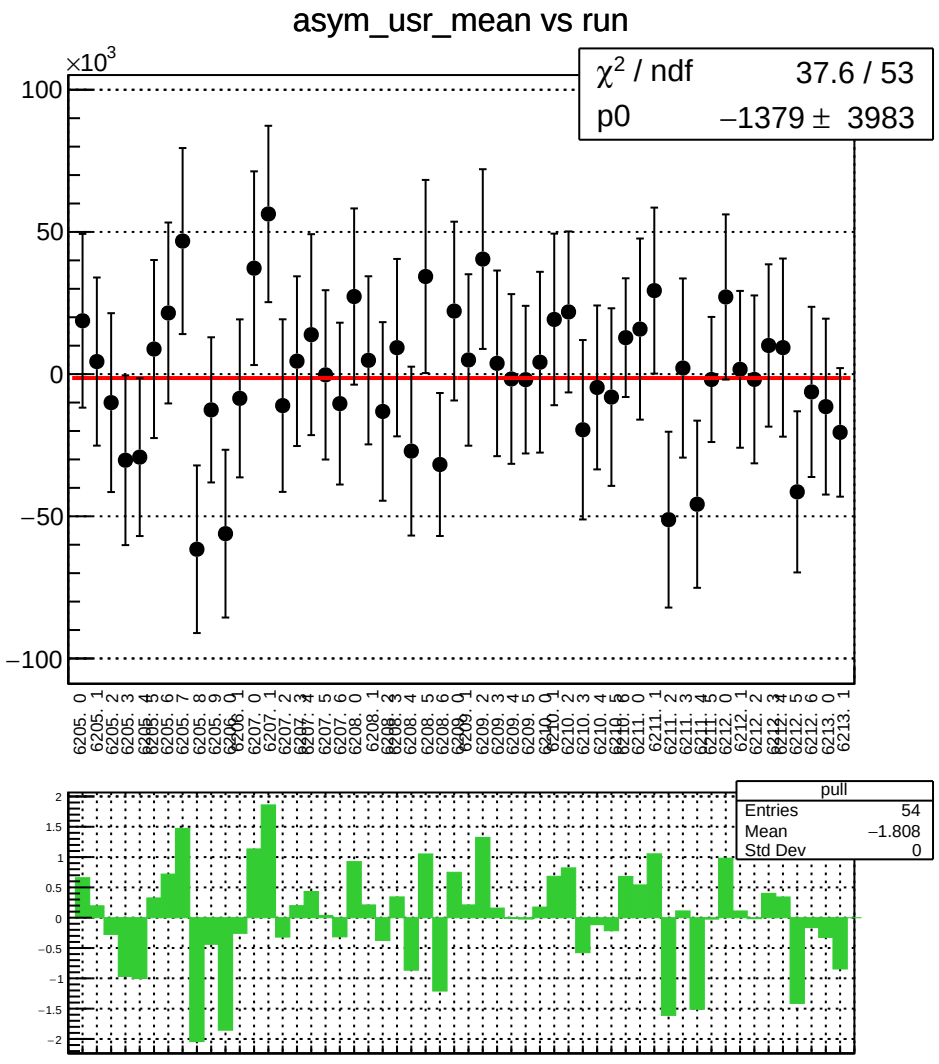
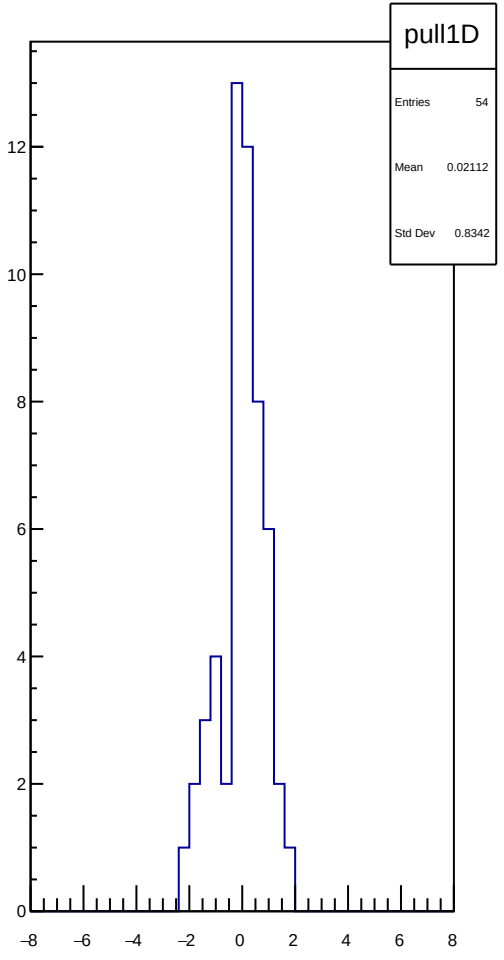
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

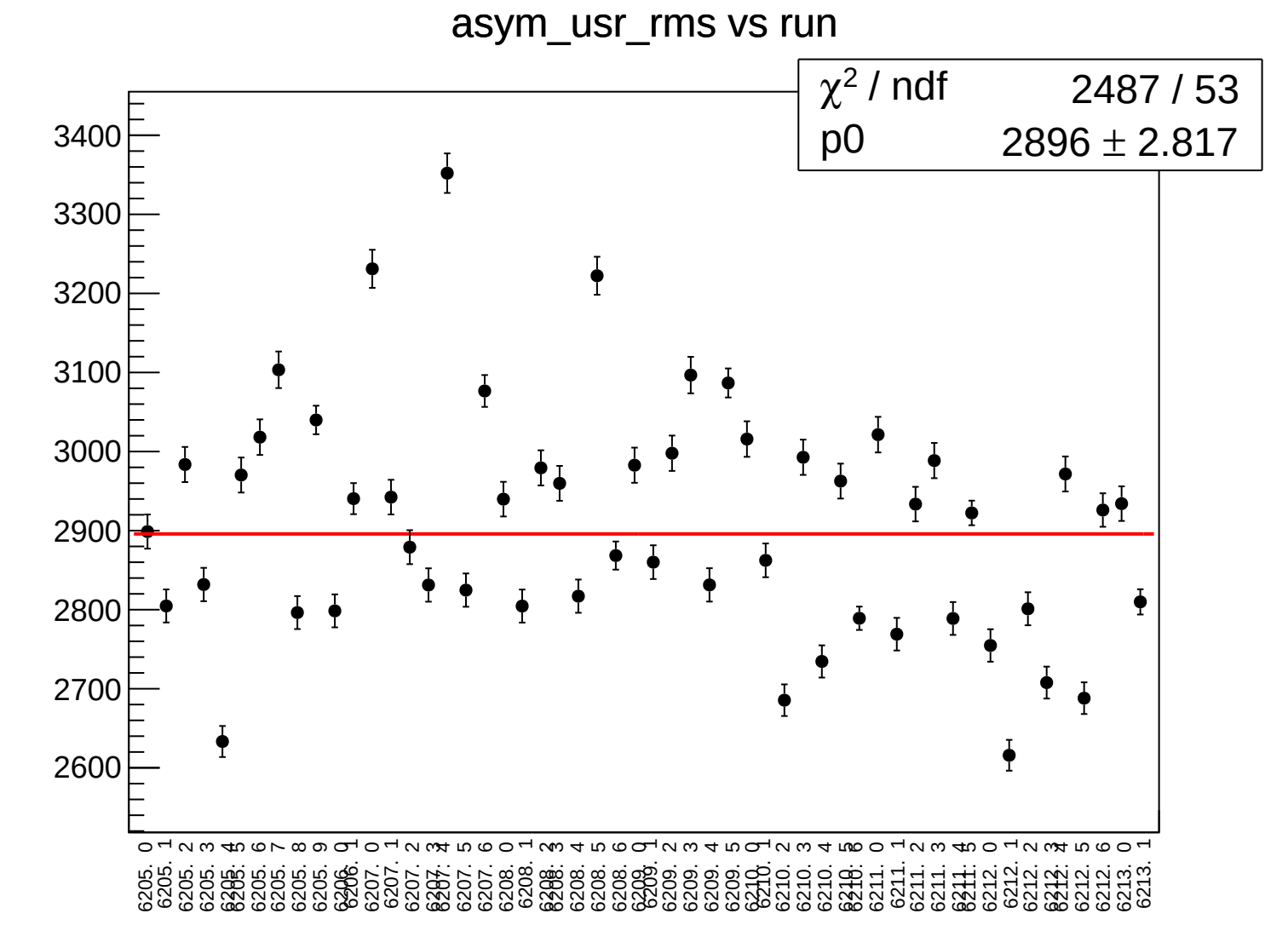

asym_usr_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 42.18 / 53
p0 1223 ± 3715
pull
Entries 54
Mean −14.59
Std Dev 0

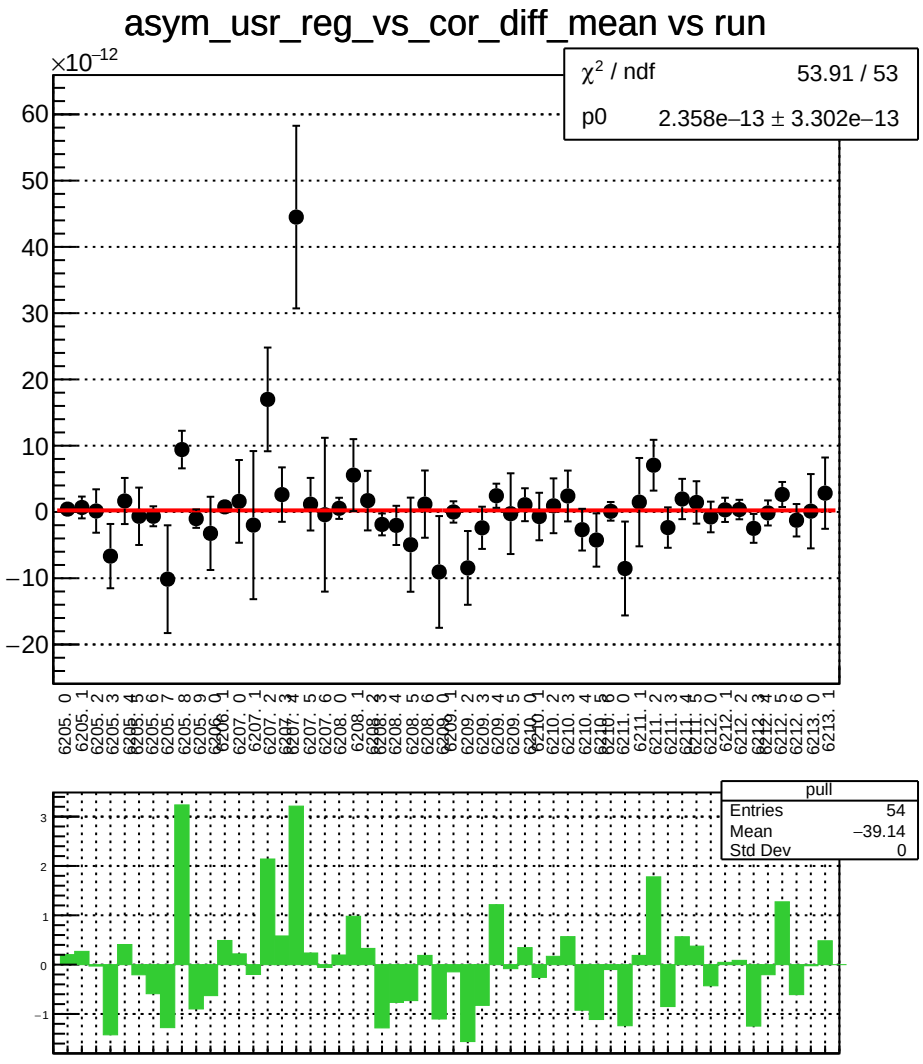

pull1D
Entries 54
Mean −0.01867
Std Dev 0.8836

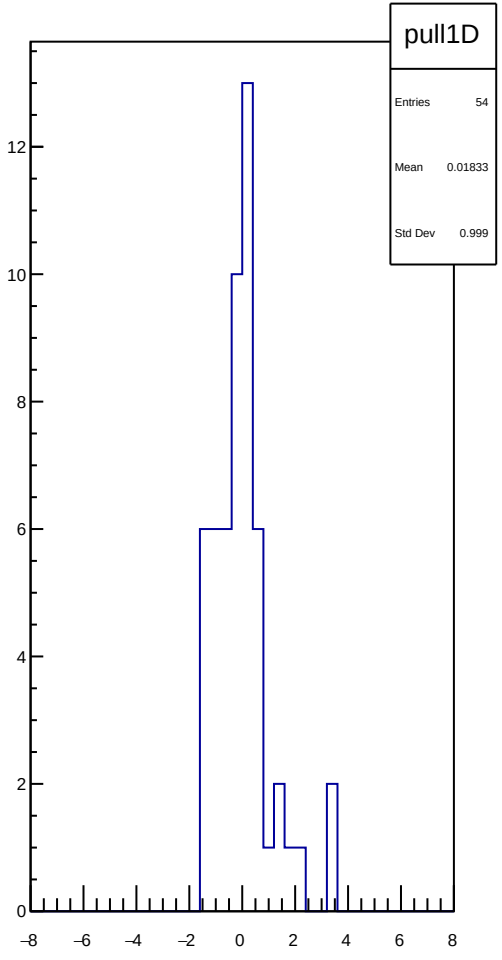

asym_usr_eigen_dit_correction_rms vs run
χ² / ndf 4858 / 53
p0 2697 ± 2.627
3200
3000
2800
2600
2400
2200

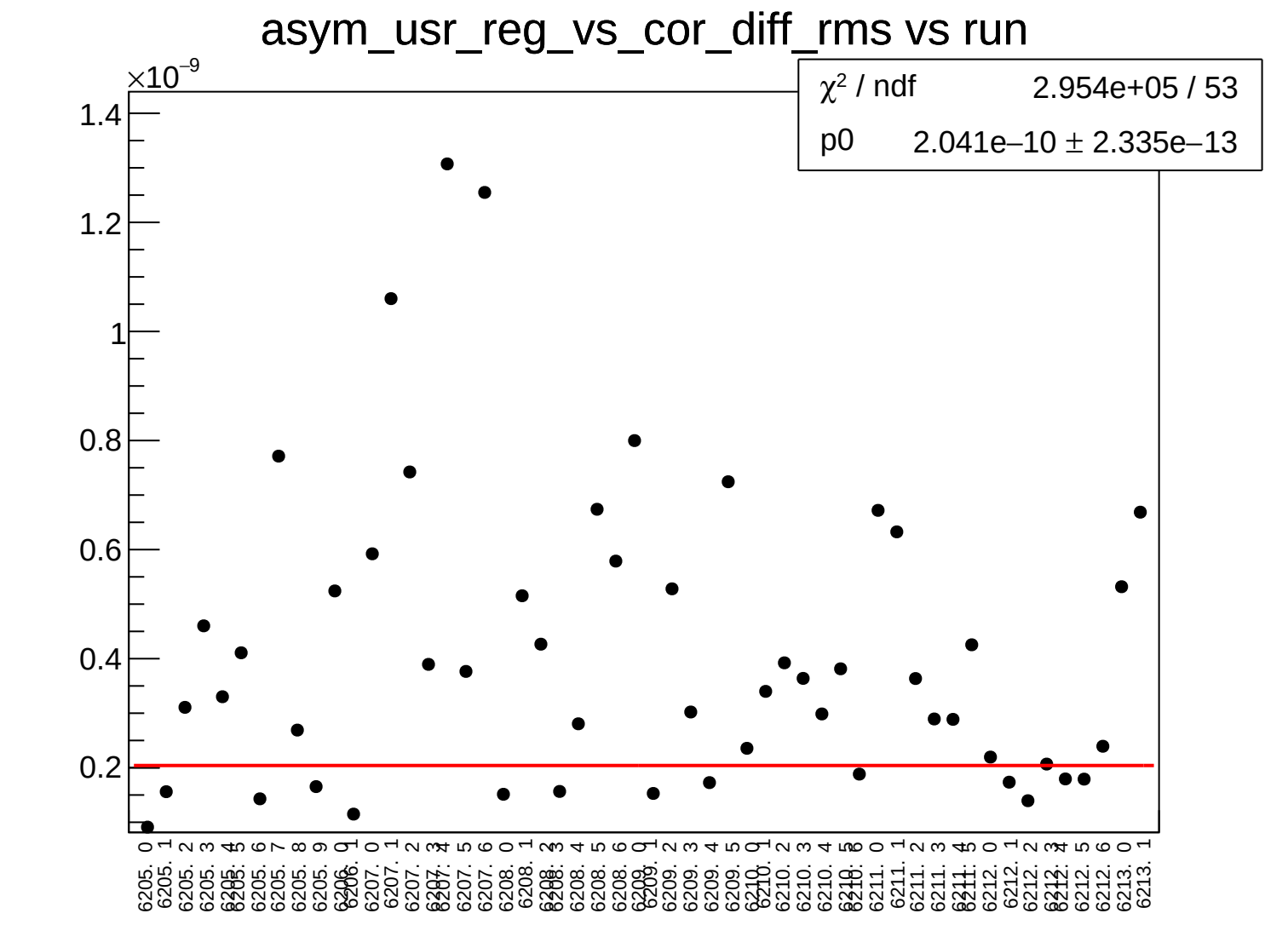

asym_usr_mean vs run
×10^3
χ² / ndf 37.6 / 53
p0 −1379 ± 3983
100
50
0
−50
−100
pull
Entries 54
Mean −1.808
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

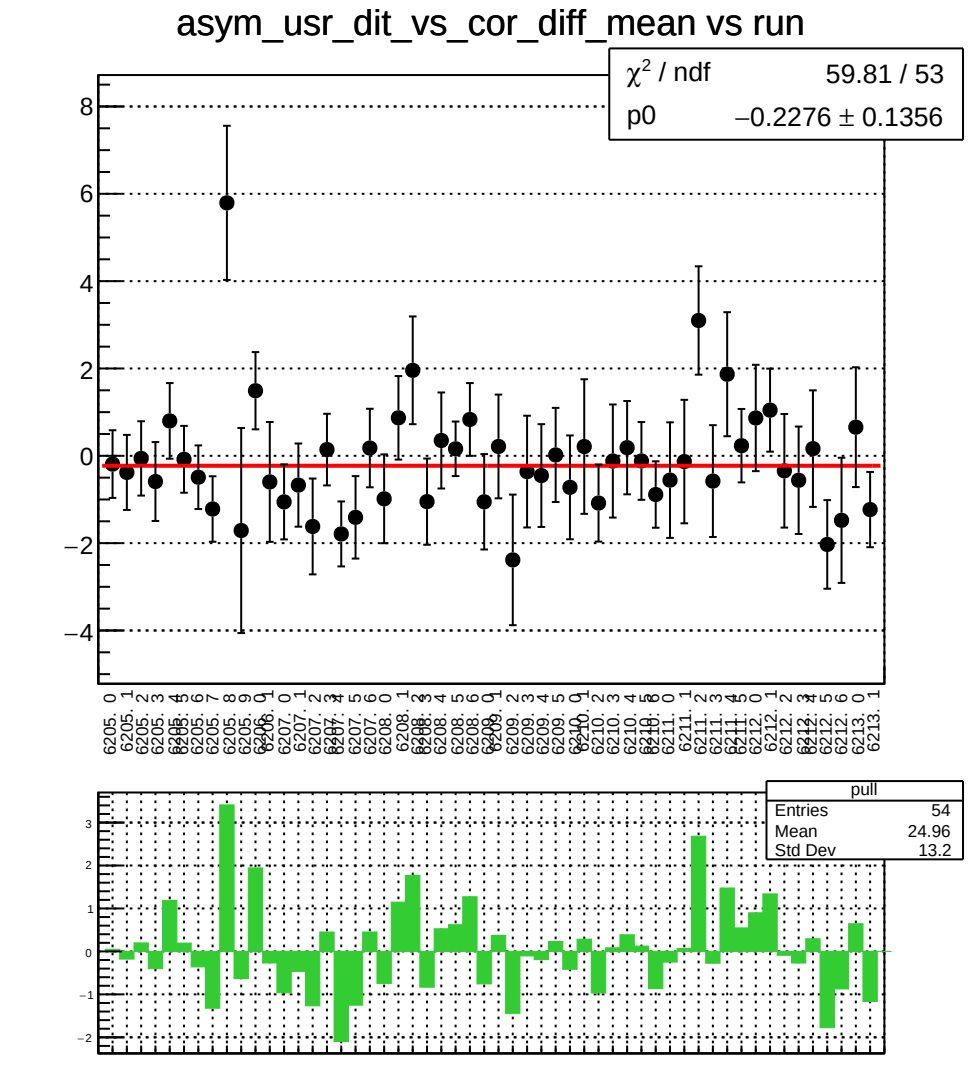

pull1D
Entries 54
Mean 0.02112
Std Dev 0.8342
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

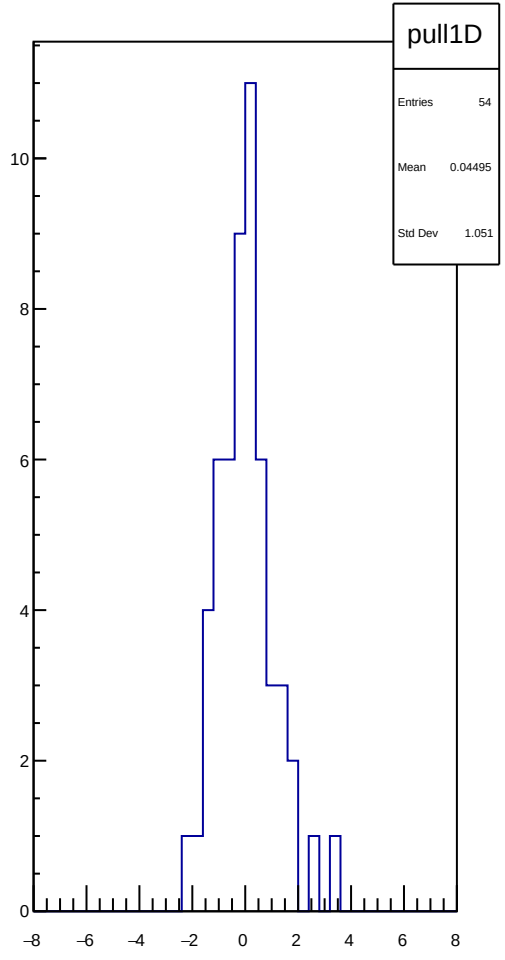

asym_usr_rms vs run
χ² / ndf 2487 / 53
p0 2896 ± 2.817
3400
3300
3200
3100
3000
2900
2800
2700
2600
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

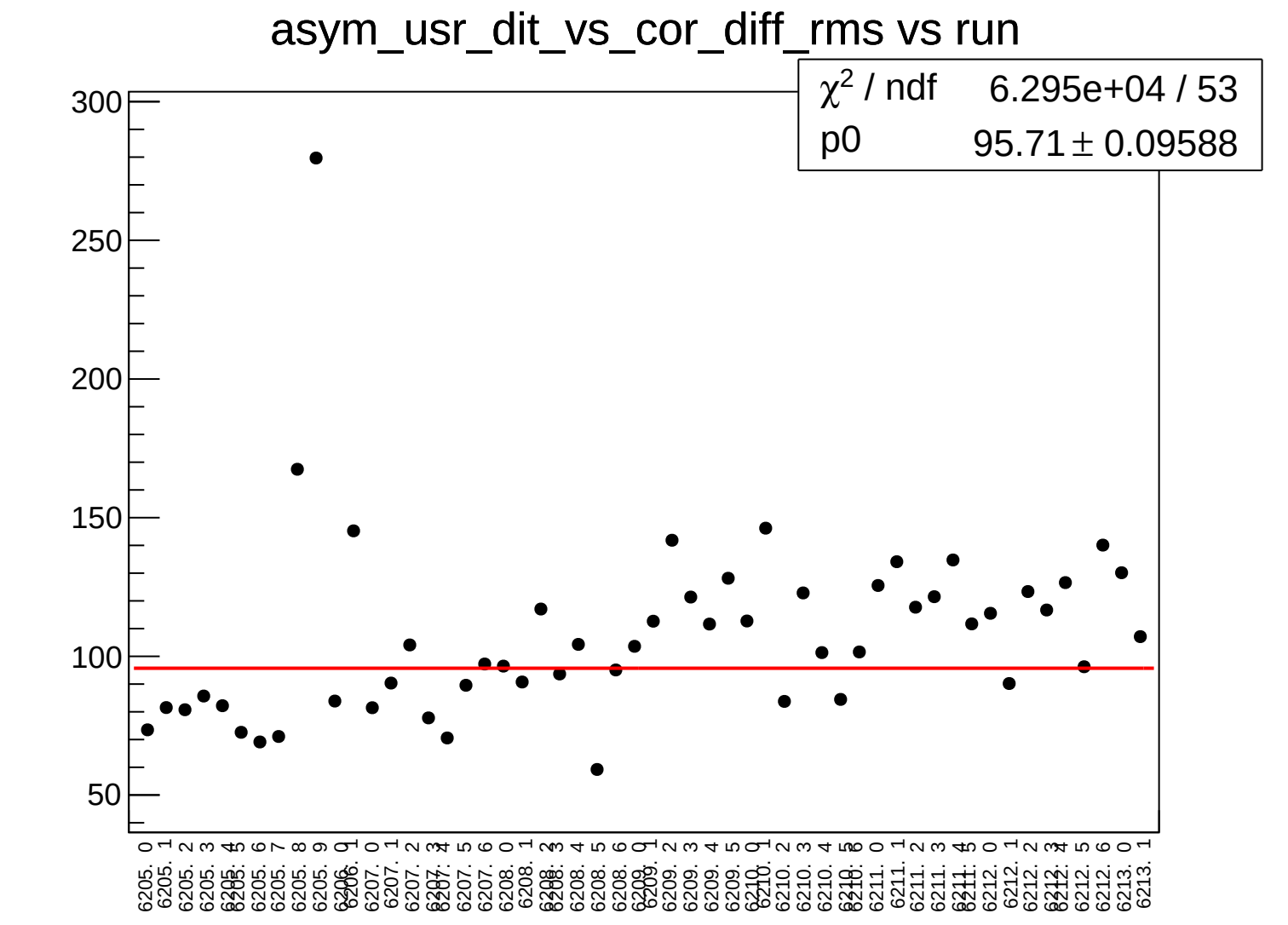

asym_usr_reg_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 53.91 / 53
p0 2.358e−13 ± 3.302e−13
pull
Entries 54
Mean −39.14
Std Dev 0

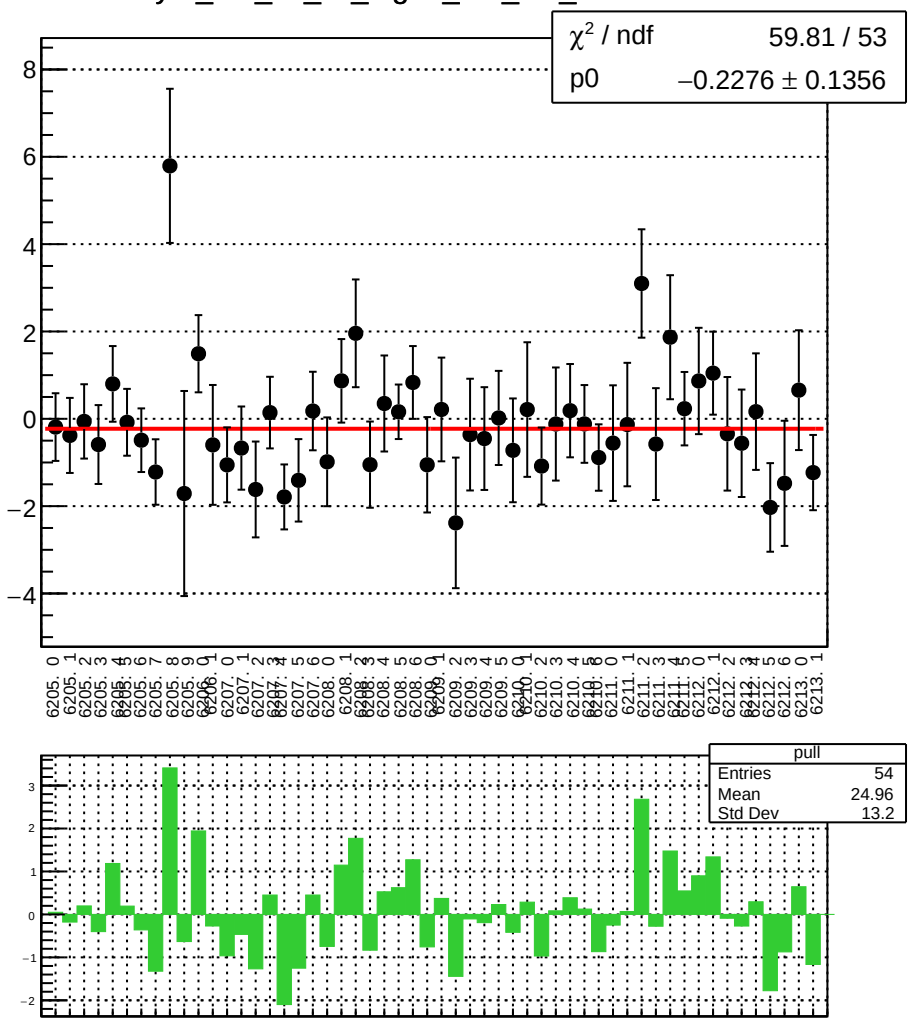

pull1D
Entries 54
Mean 0.01833
Std Dev 0.999

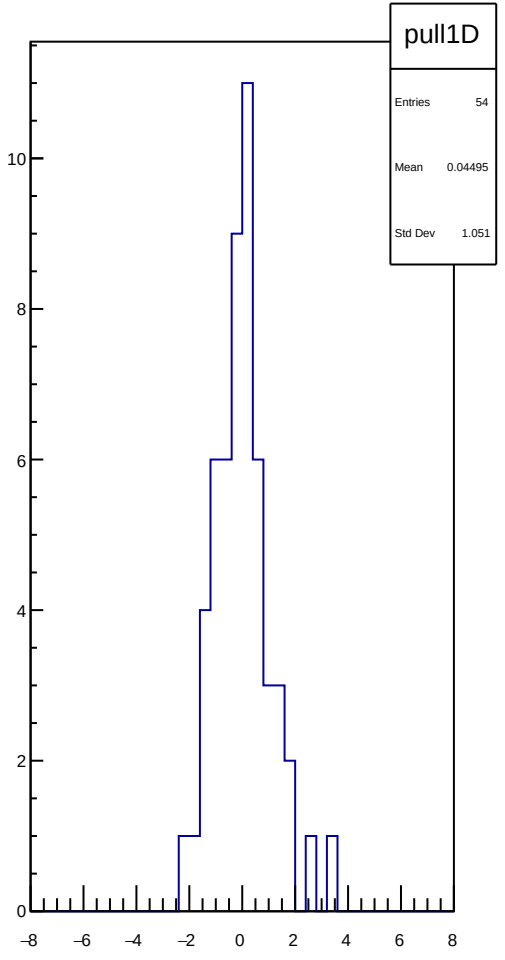

asym_usr_reg_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.954e+05 / 53
p0 2.041e−10 ± 2.335e−13
1.4
1.2
1
0.8
0.6
0.4
0.2
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

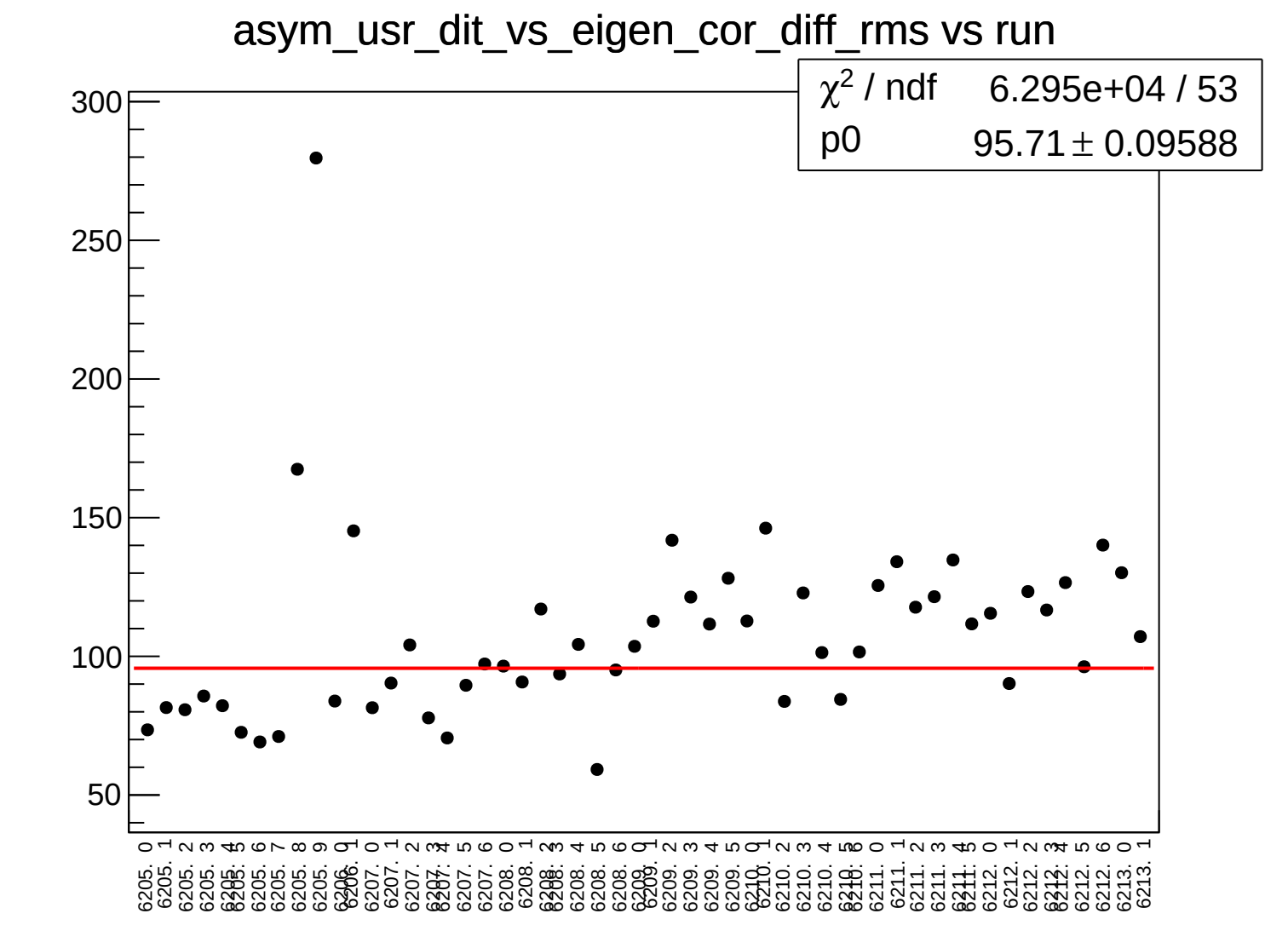

asym_usr_dit_vs_cor_diff_mean vs run
χ² / ndf 59.81 / 53
p0 −0.2276 ± 0.1356
pull
Entries 54
Mean 24.96
Std Dev 13.2

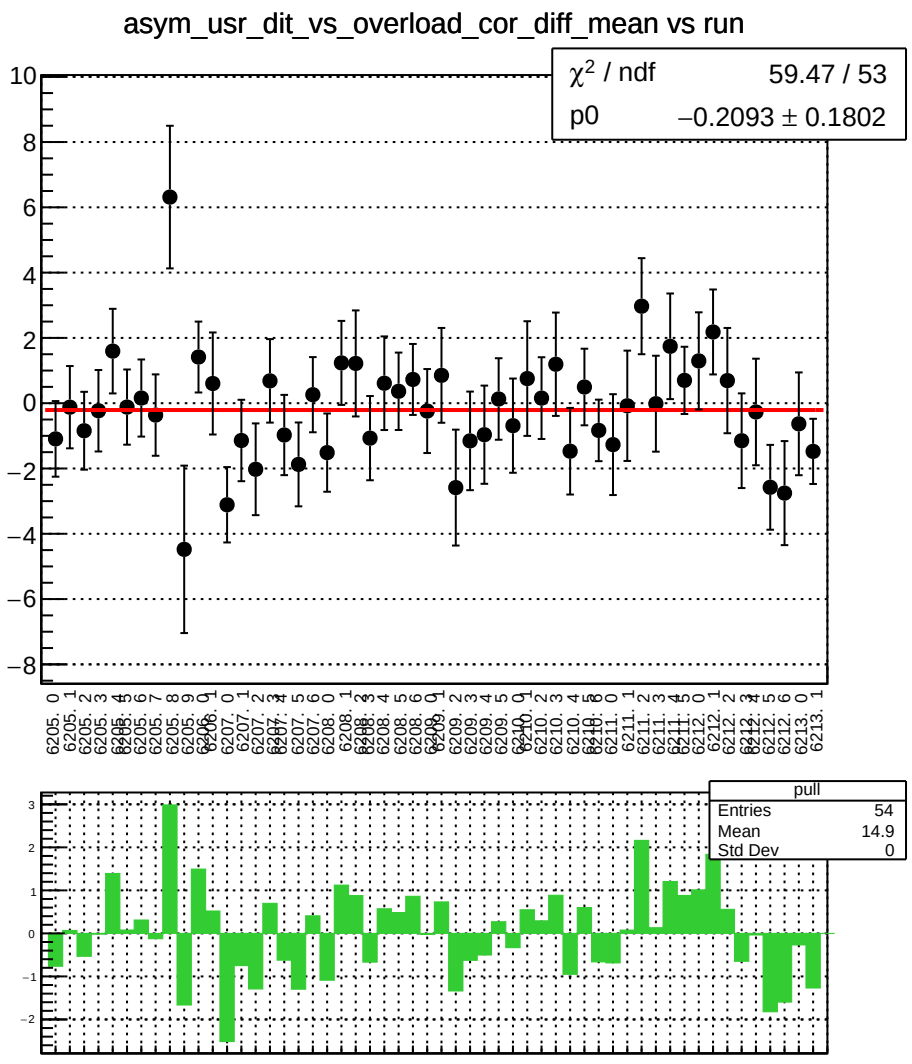

pull1D
Entries 54
Mean 0.04495
Std Dev 1.051

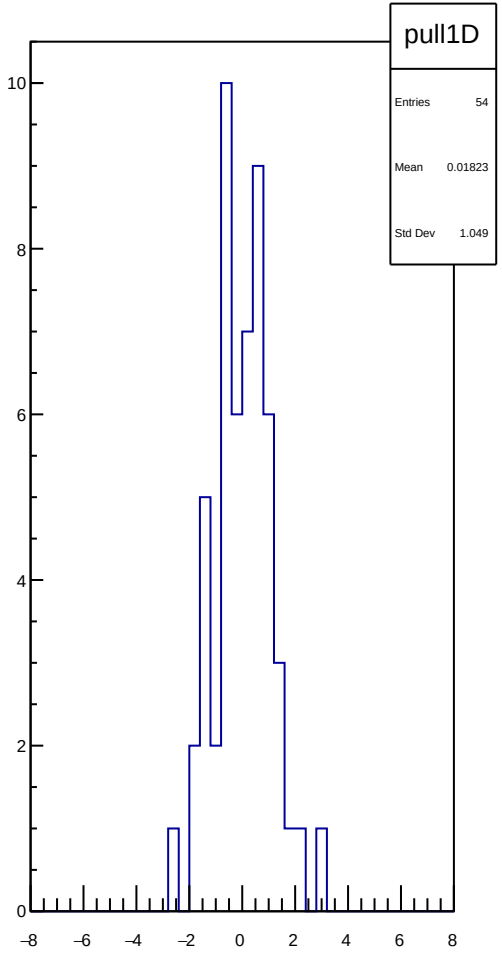

asym_usr_dit_vs_cor_diff_rms vs run
χ² / ndf 6.295e+04 / 53
p0 95.71 ± 0.09588
300
250
200
150
100
50
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

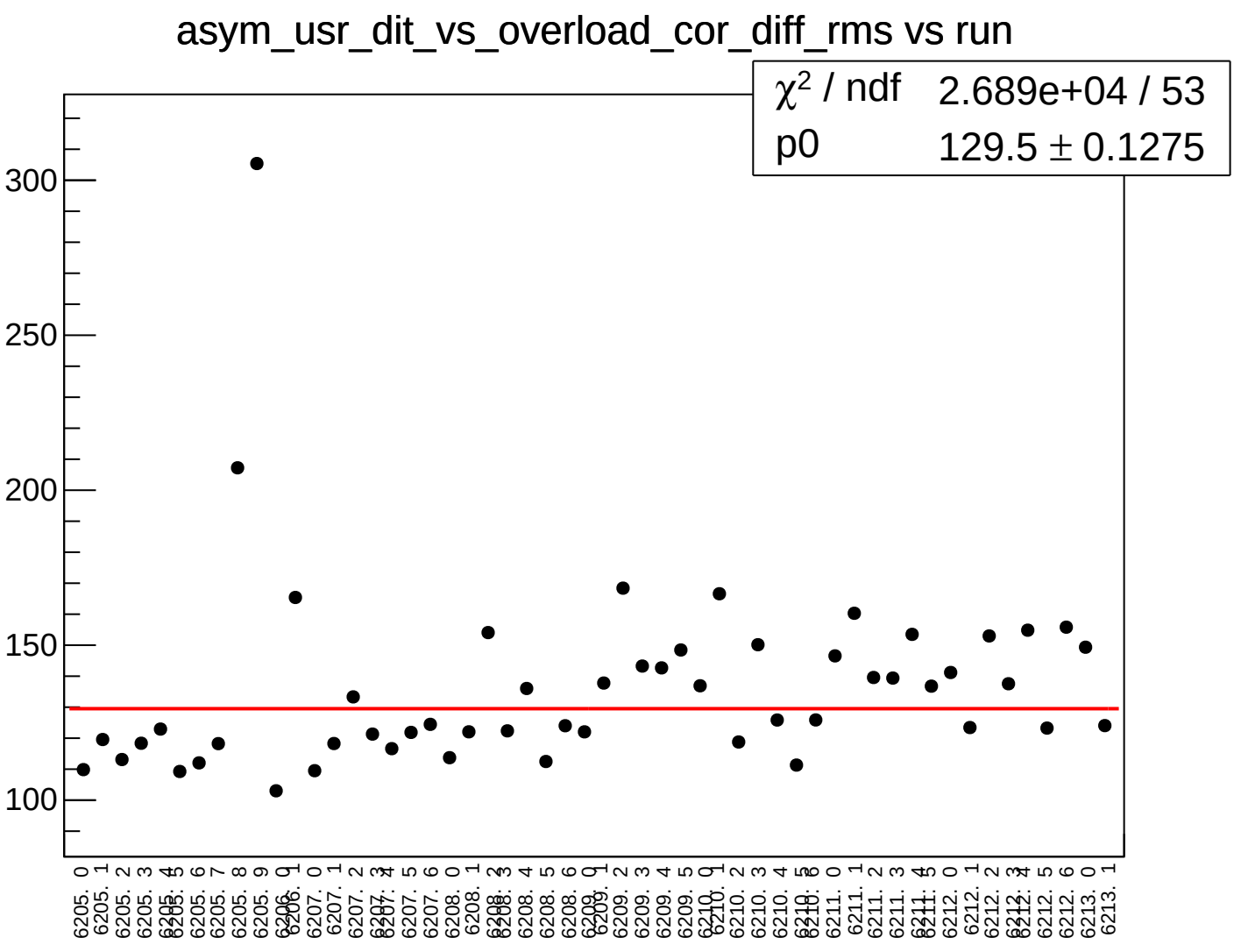

asym_usr_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 59.81 / 53
p0 −0.2276 ± 0.1356
pull
Entries 54
Mean 24.96
Std Dev 13.2

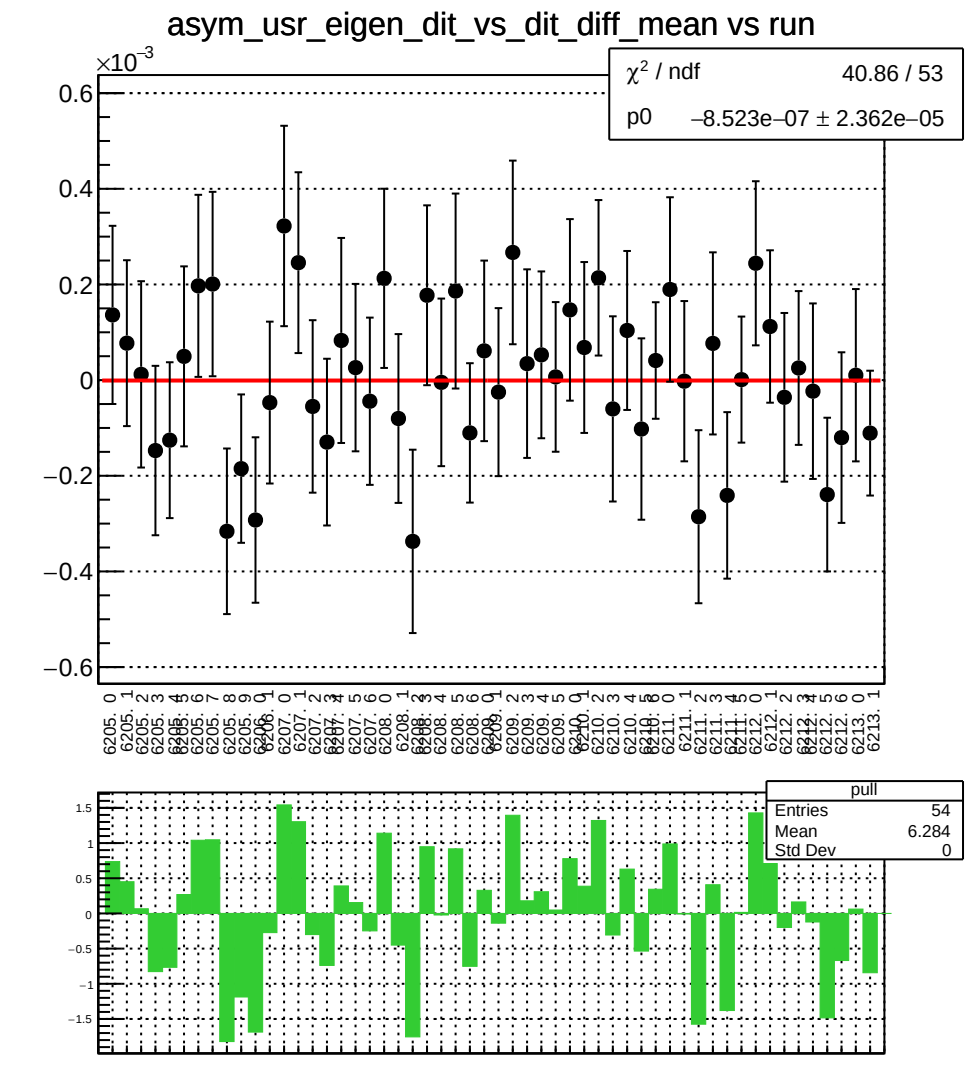

pull1D
Entries 54
Mean 0.04495
Std Dev 1.051

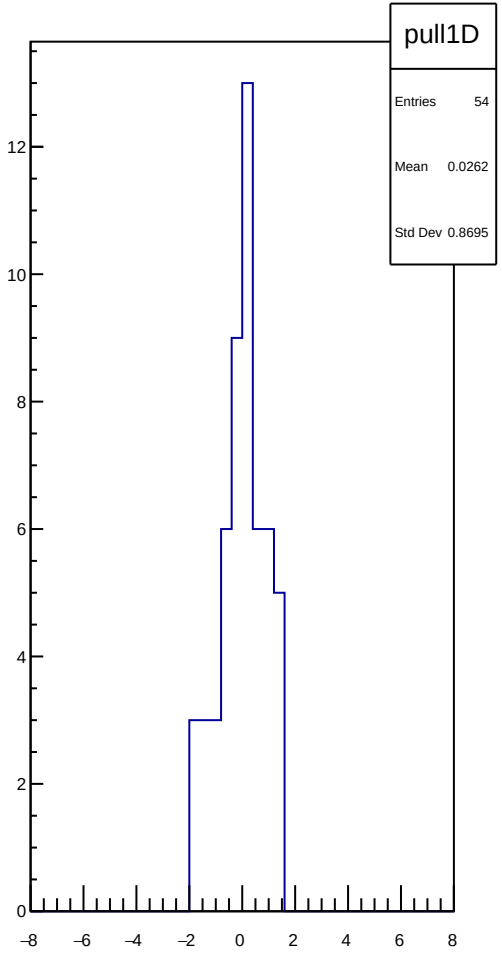

asym_usr_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.295e+04 / 53
p0 95.71 ± 0.09588
300
250
200
150
100
50
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

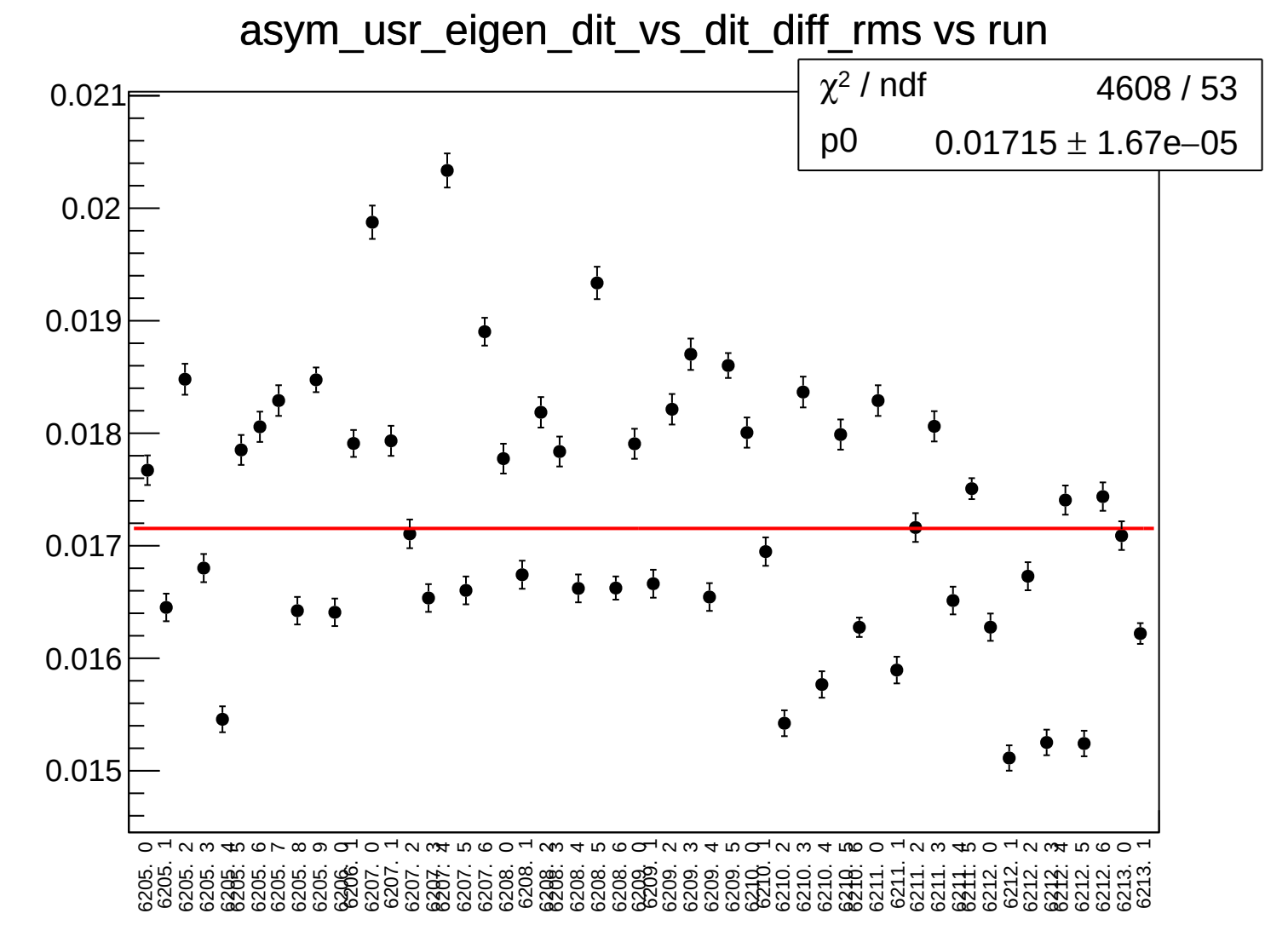

asym_usr_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 59.47 / 53
p0 −0.2093 ± 0.1802
pull
Entries 54
Mean 14.9
Std Dev 0

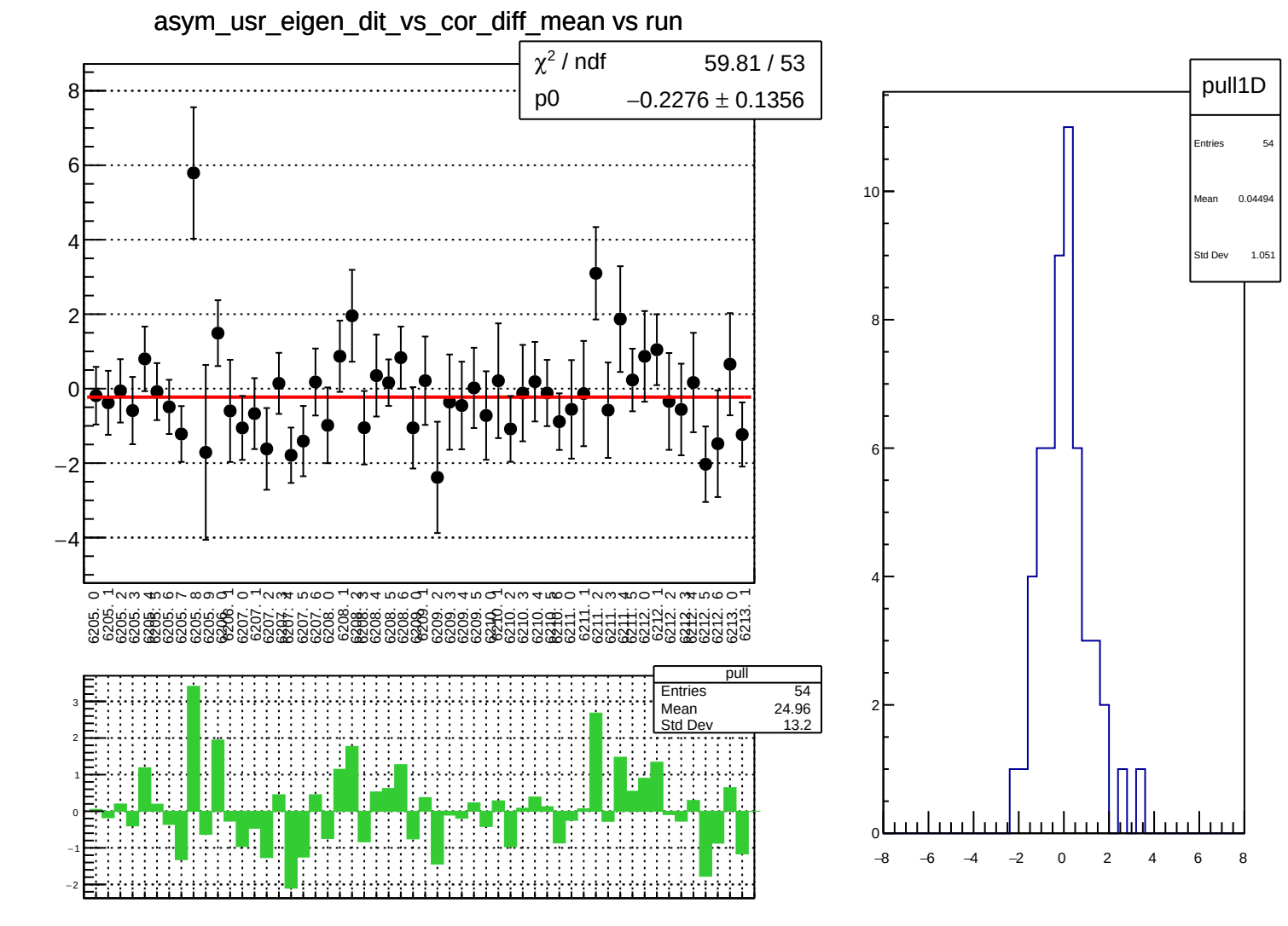

pull1D
Entries 54
Mean 0.01823
Std Dev 1.049

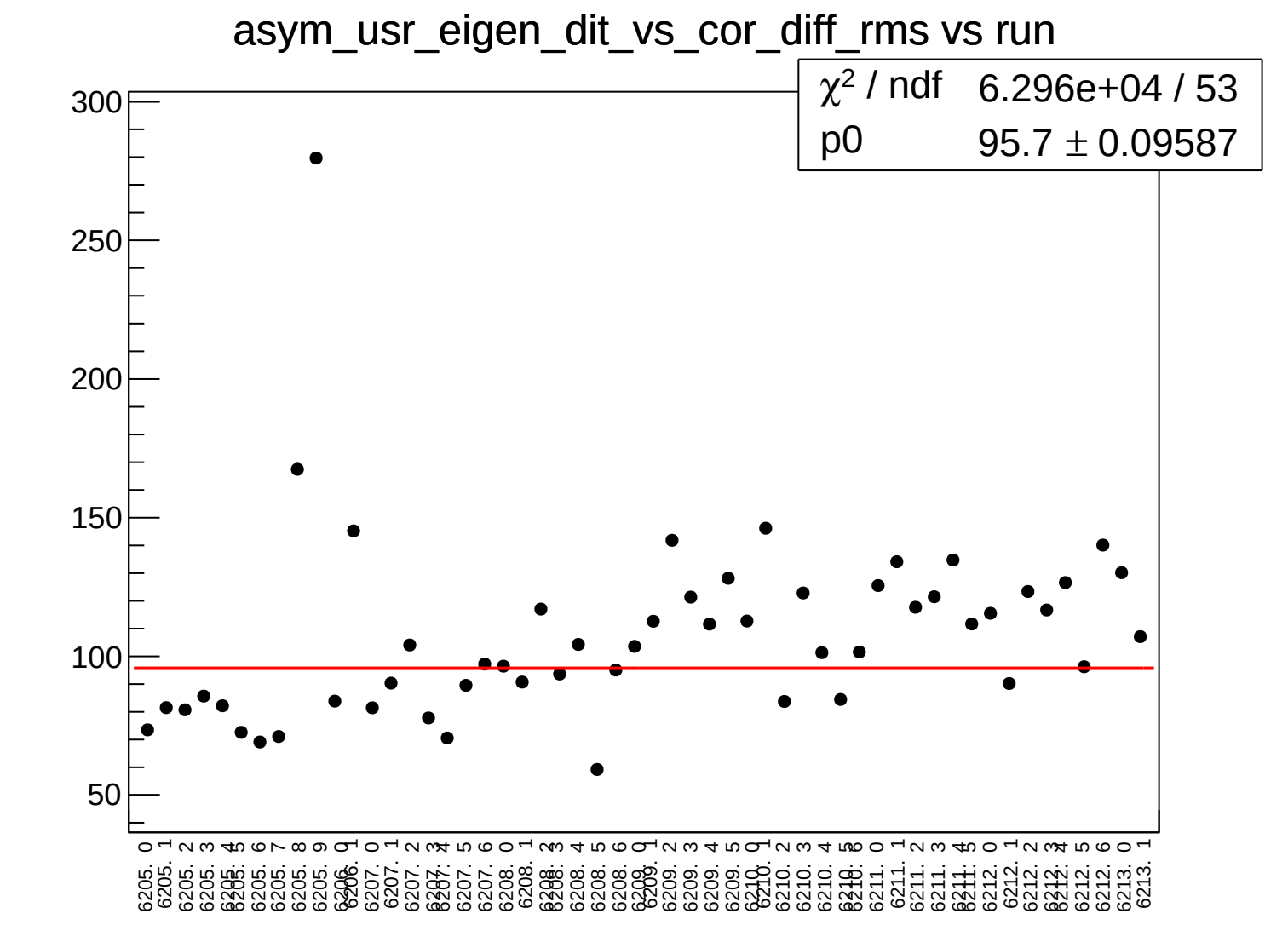

asym_usr_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 2.689e+04 / 53
p0 129.5 ± 0.1275
300
250
200
150
100
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

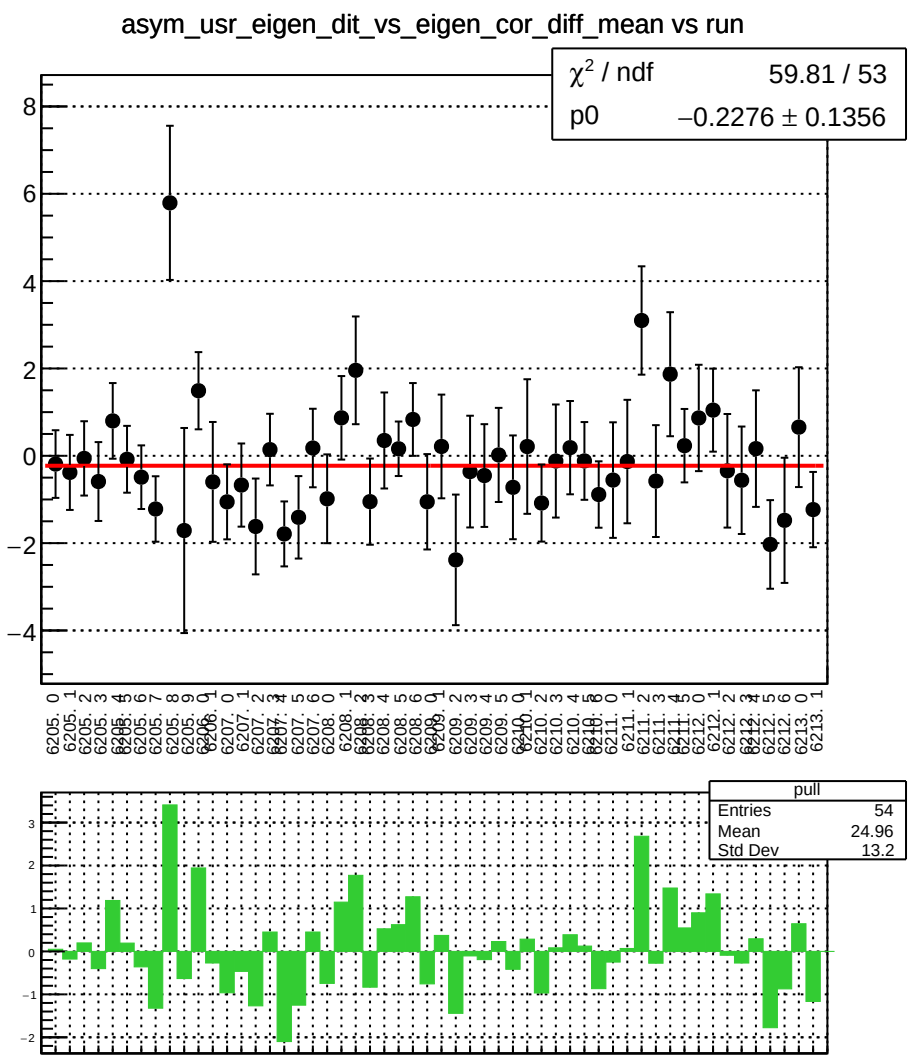

asym_usr_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 40.86 / 53
p0 −8.523e−07 ± 2.362e−05
pull
Entries 54
Mean 6.284
Std Dev 0

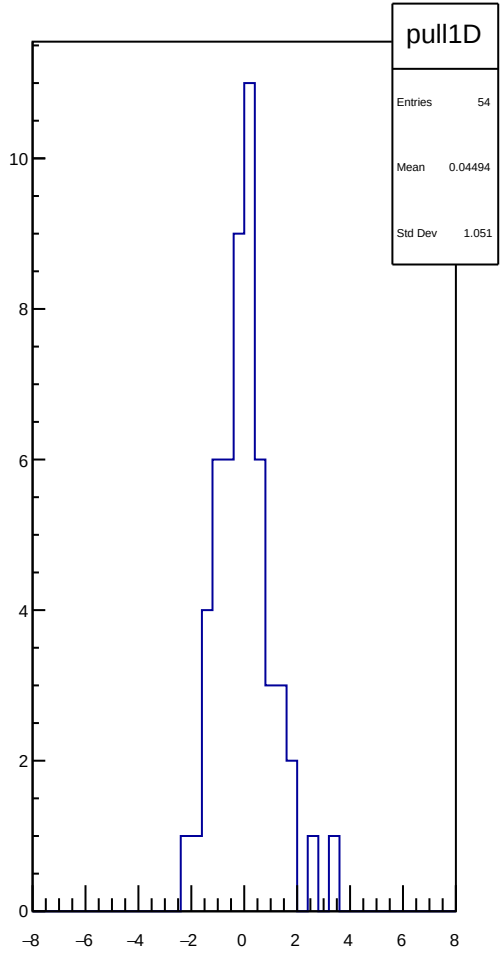

pull1D
Entries 54
Mean 0.0262
Std Dev 0.8695

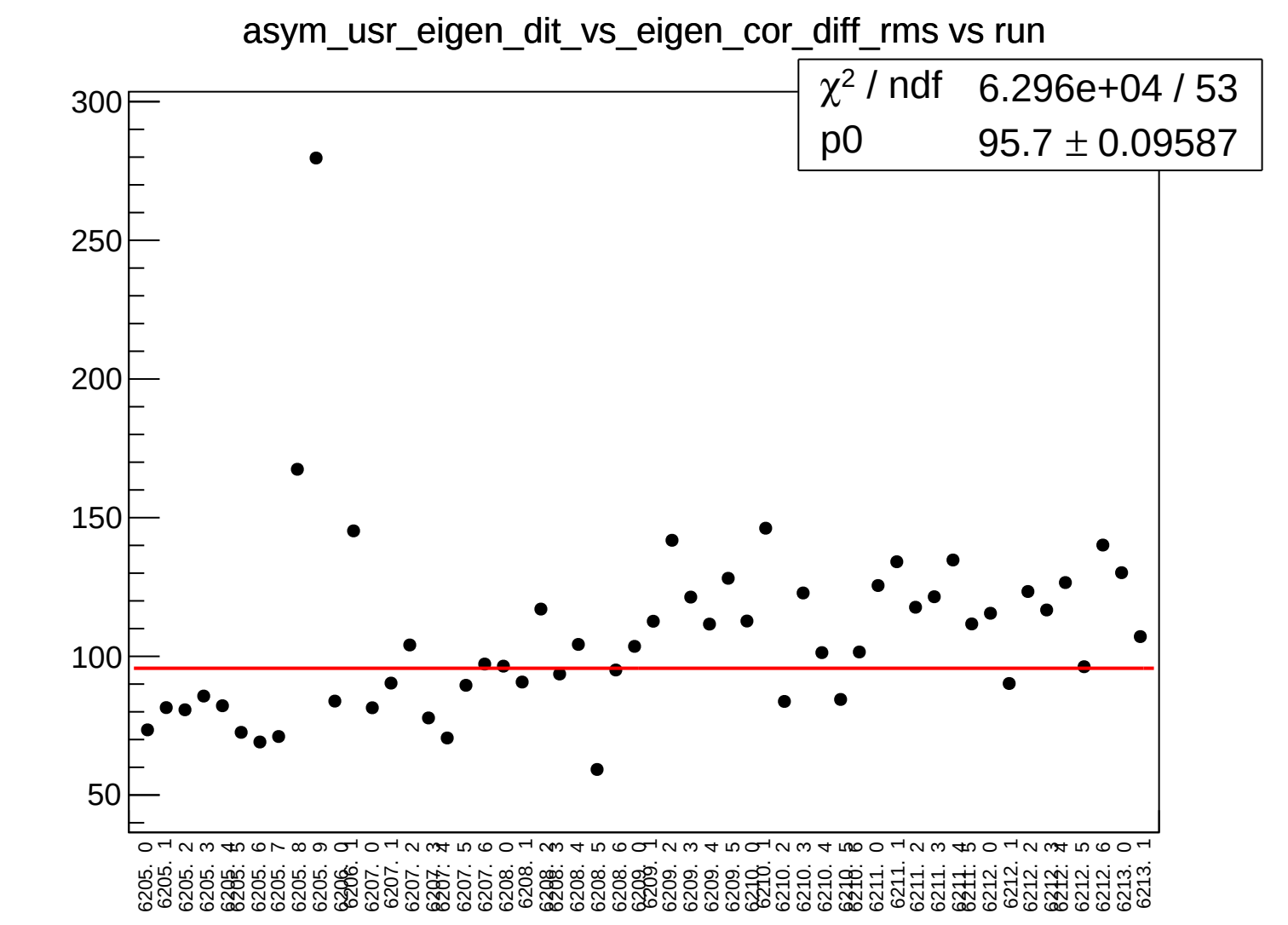

asym_usr_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4608 / 53
p0 0.01715 ± 1.67e−05
0.021
0.02
0.019
0.018
0.017
0.016
0.015

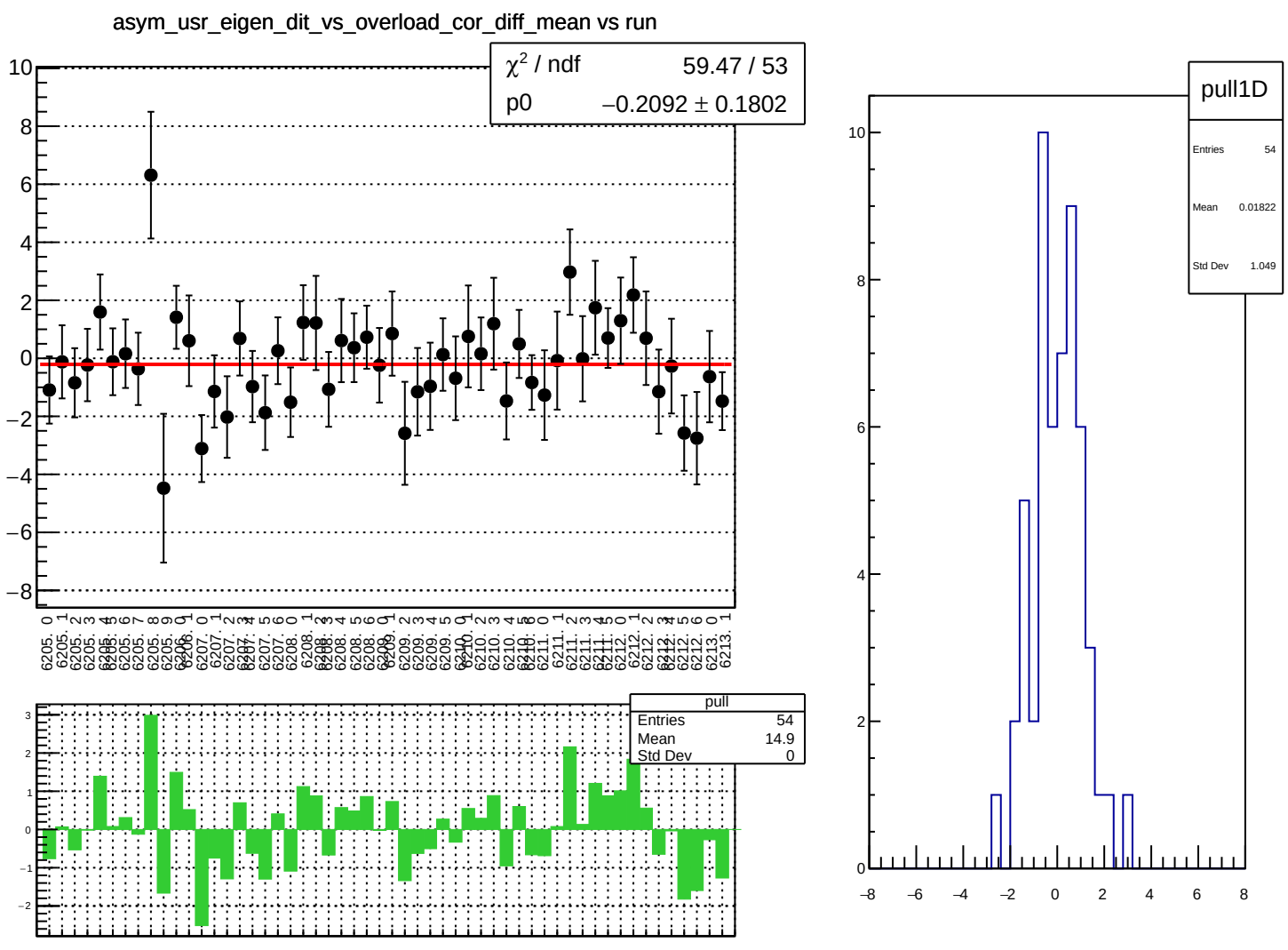

asym_usr_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 59.81 / 53
p0 −0.2276 ± 0.1356
pull
Entries 54
Mean 24.96
Std Dev 13.2
pull1D
Entries 54
Mean 0.04494
Std Dev 1.051

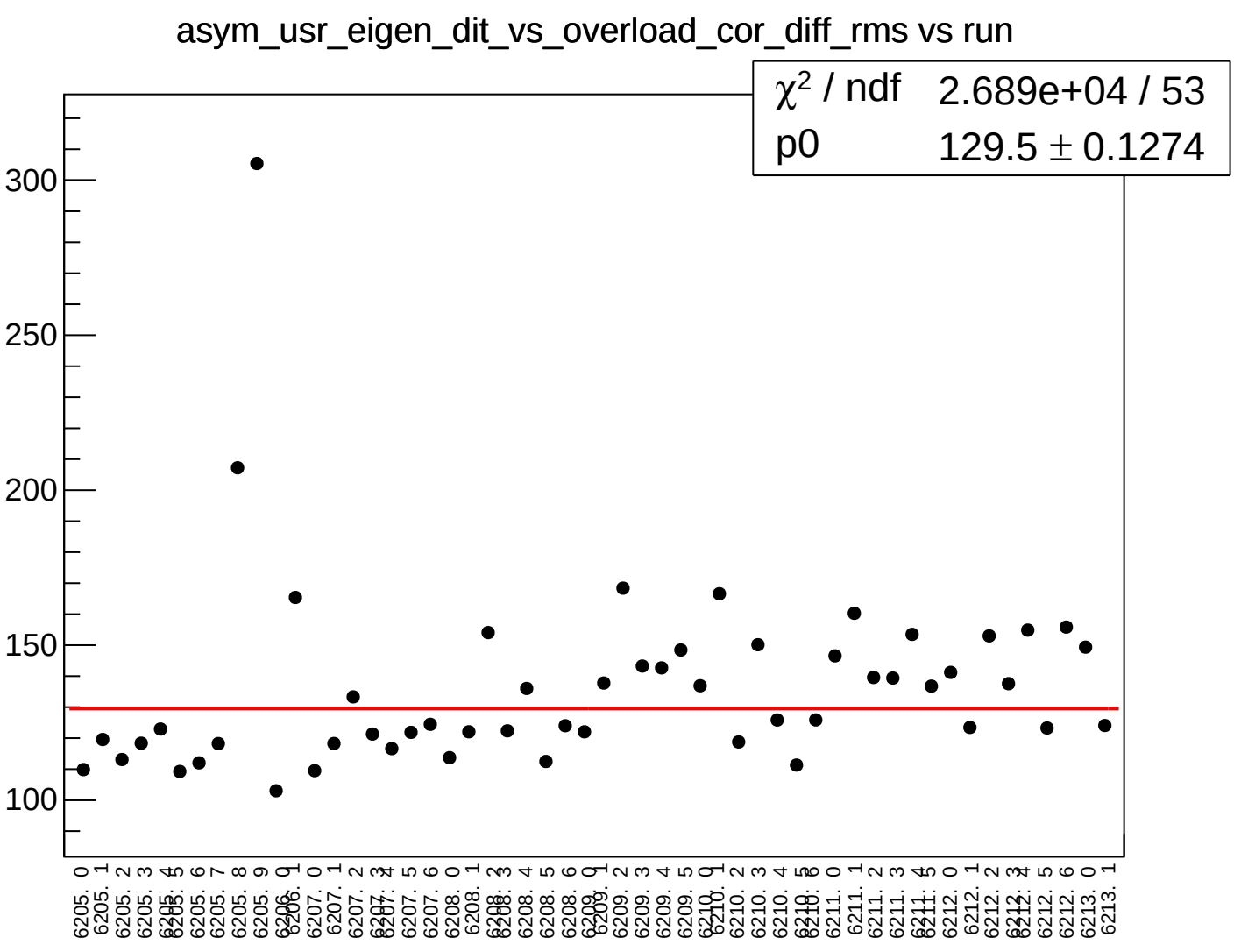

asym_usr_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 6.296e+04 / 53
p0 95.7 ± 0.09587
300
250
200
150
100
50
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

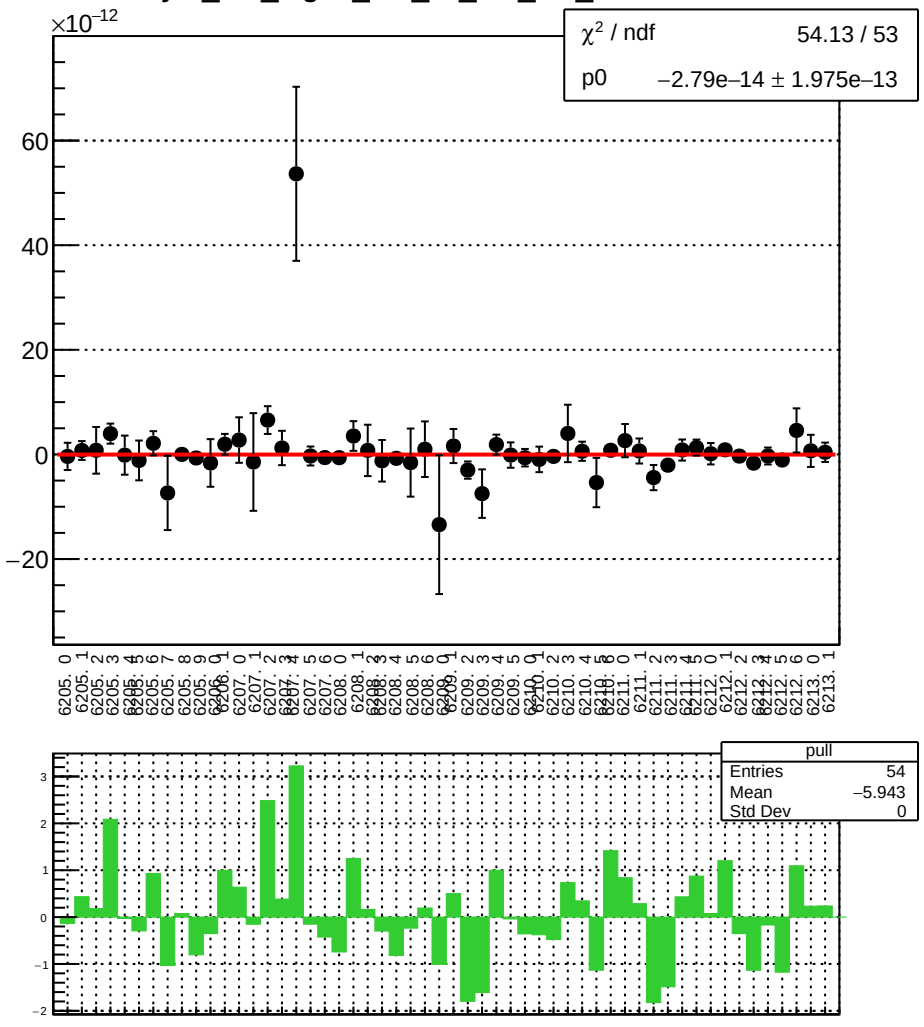

asym_usr_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 59.81 / 53
p0 −0.2276 ± 0.1356
pull
Entries 54
Mean 24.96
Std Dev 13.2

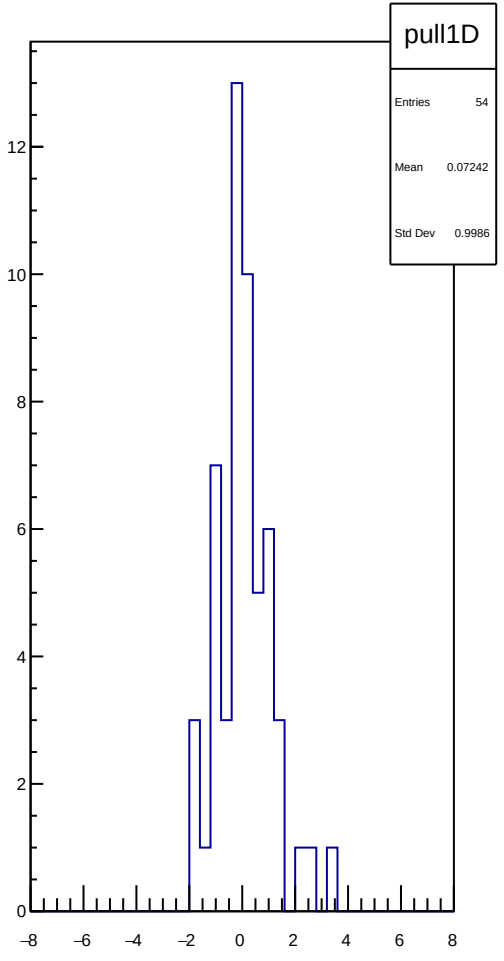

pull1D
Entries 54
Mean 0.04494
Std Dev 1.051

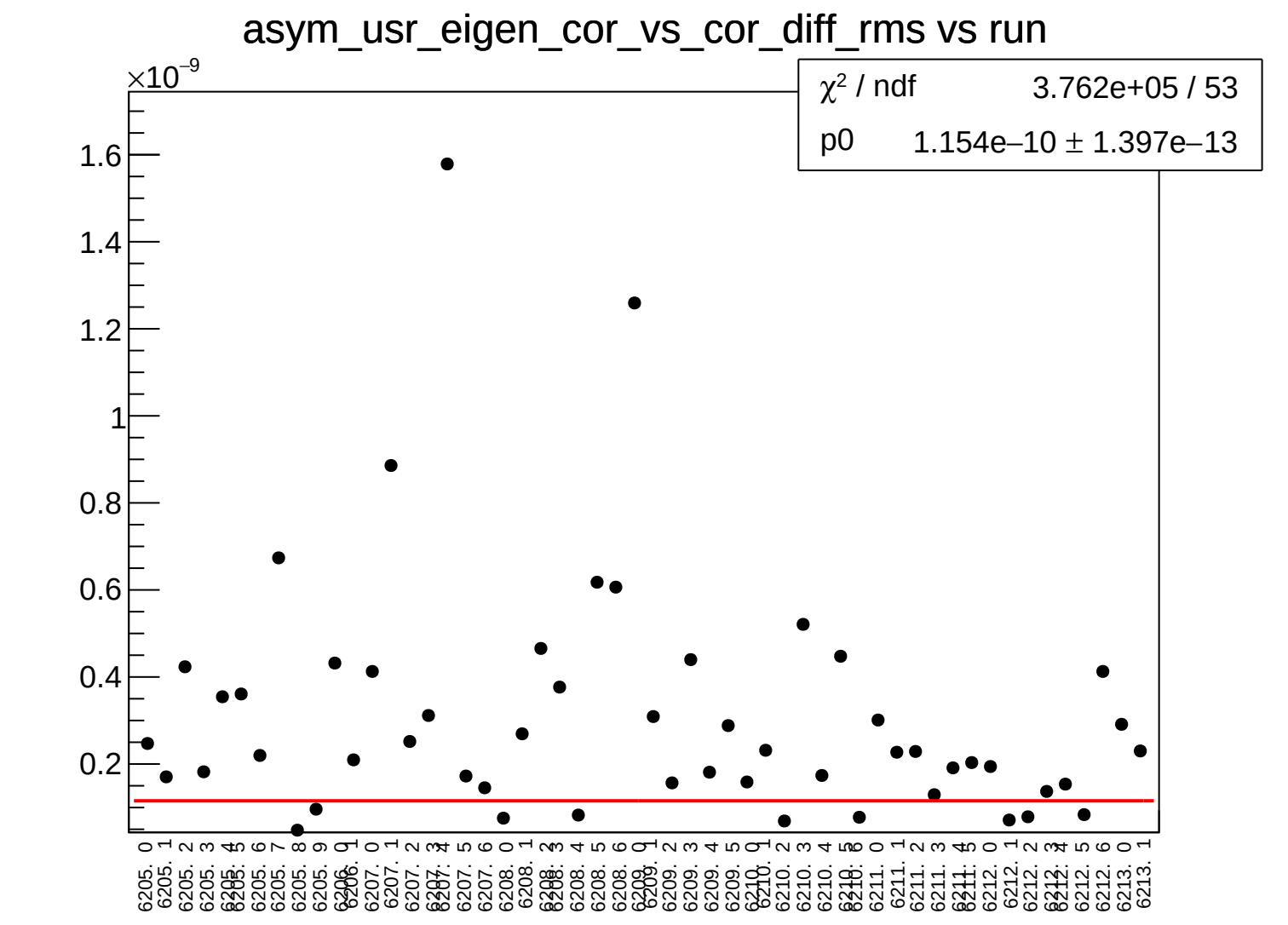

asym_usr_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.296e+04 / 53
p0 95.7 ± 0.09587
300
250
200
150
100
50
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_usr_eigen_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 59.47 / 53
p0 −0.2092 ± 0.1802
pull
Entries 54
Mean 14.9
Std Dev 0
pull1D
Entries 54
Mean 0.01822
Std Dev 1.049


asym_usr_eigen_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 2.689e+04 / 53
p0 129.5 ± 0.1274
300
250
200
150
100
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_usr_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 54.13 / 53
p0 −2.79e−14 ± 1.975e−13
pull
Entries 54
Mean −5.943
Std Dev 0


pull1D
Entries 54
Mean 0.07242
Std Dev 0.9986


asym_usr_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.762e+05 / 53
p0 1.154e−10 ± 1.397e−13
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
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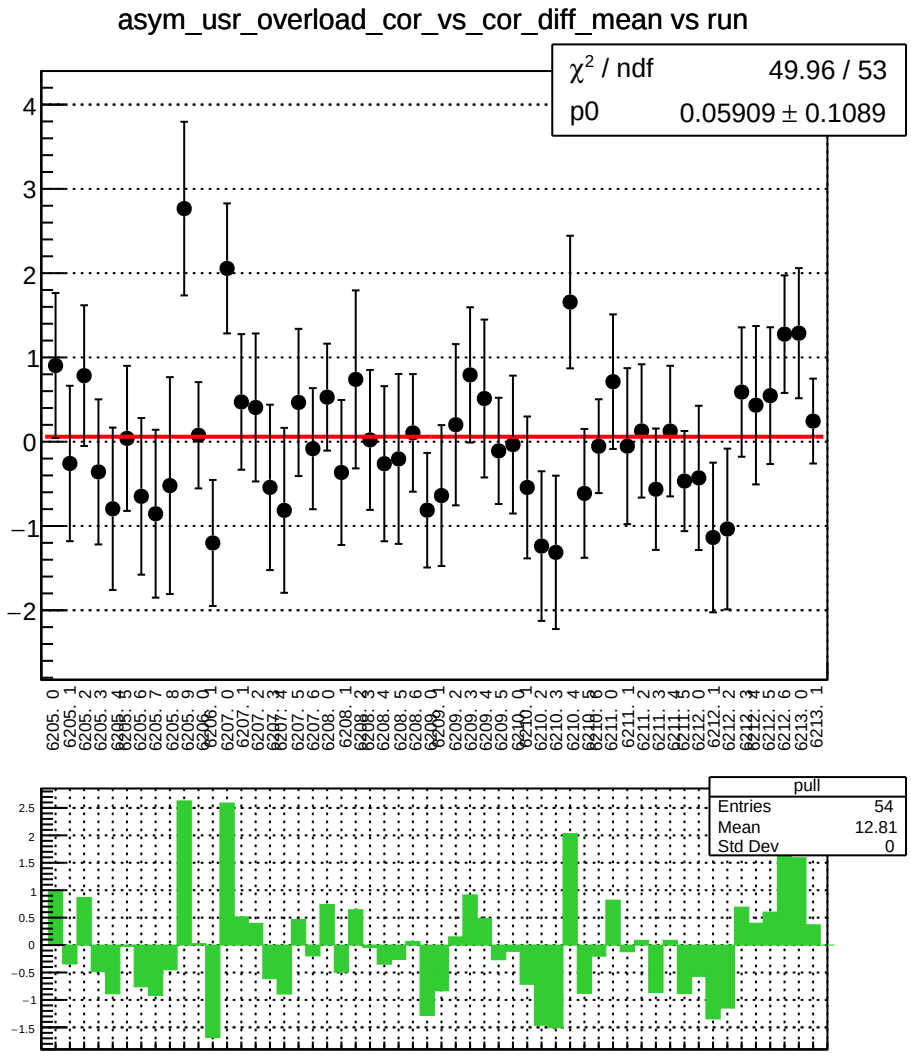
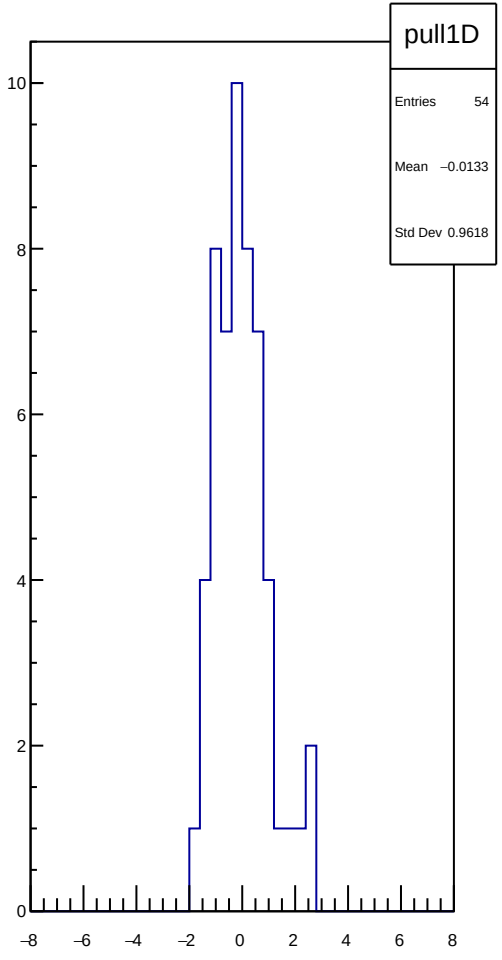
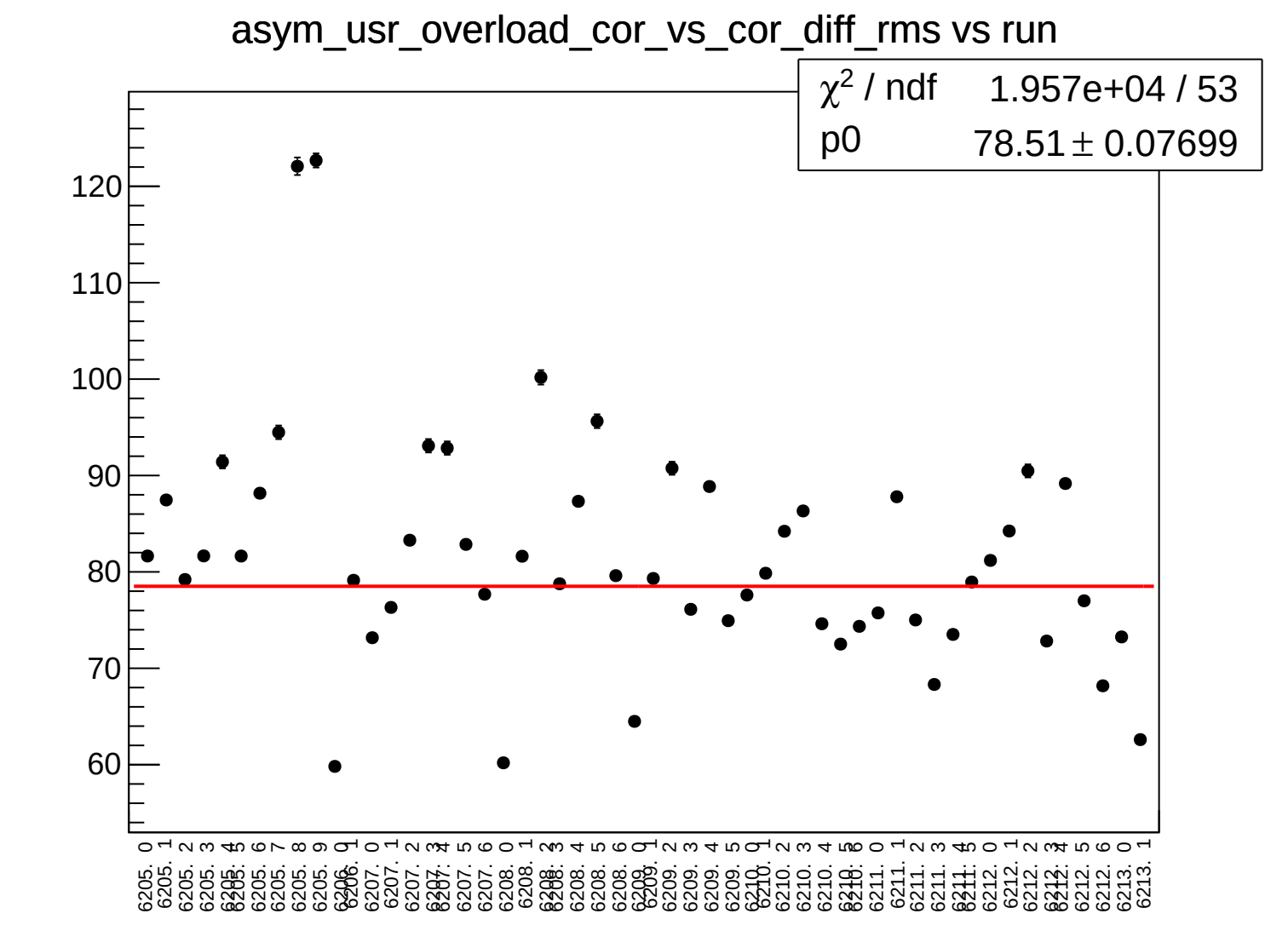
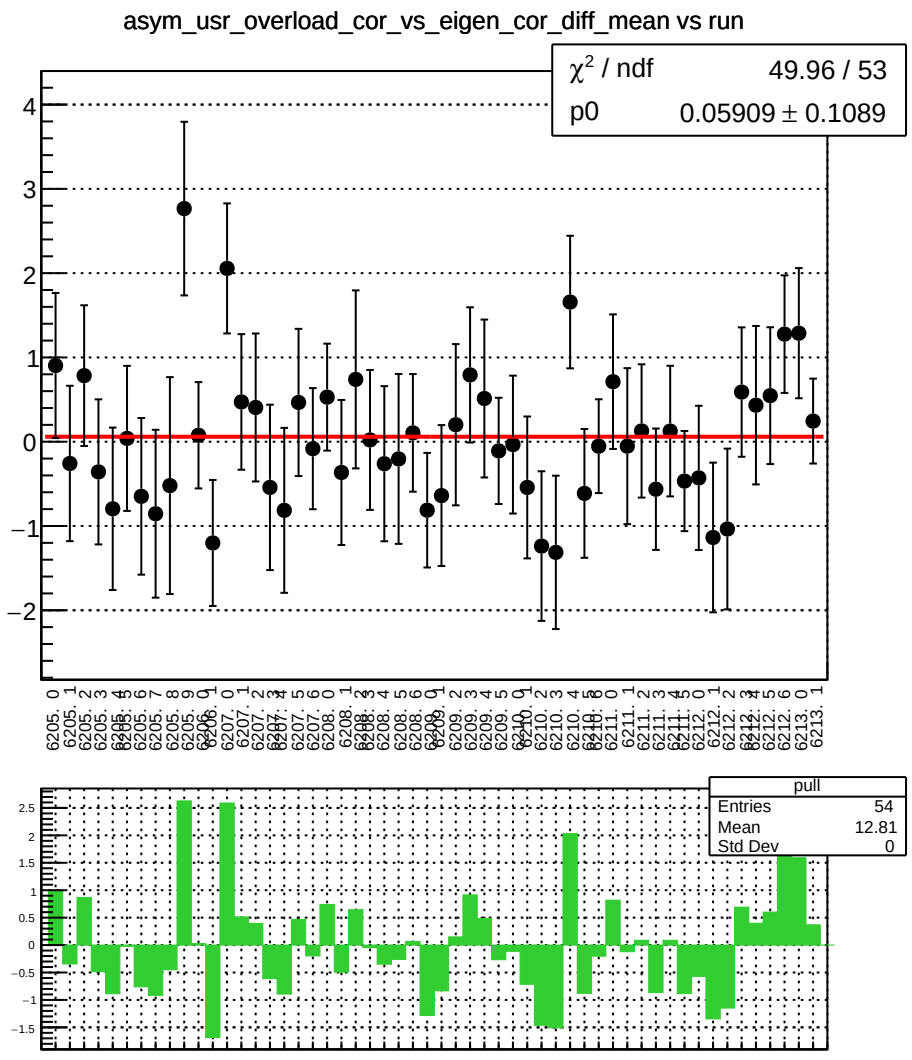
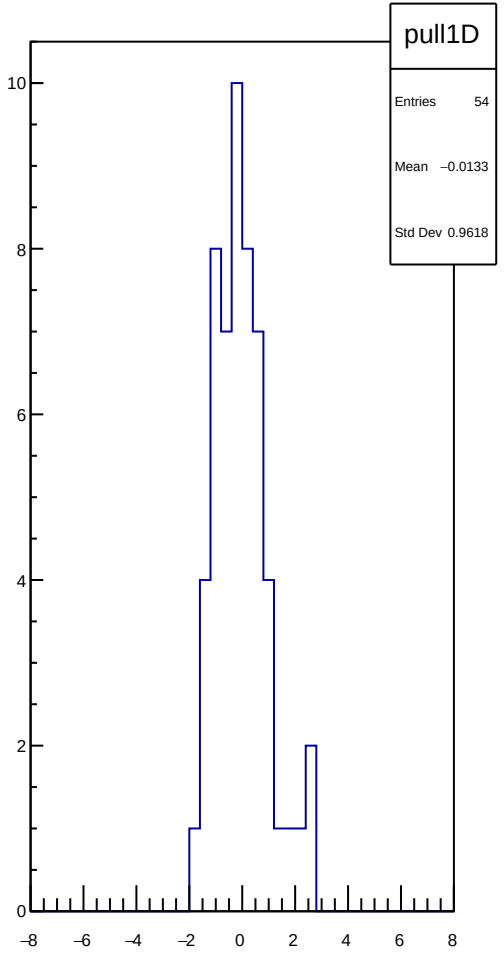
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

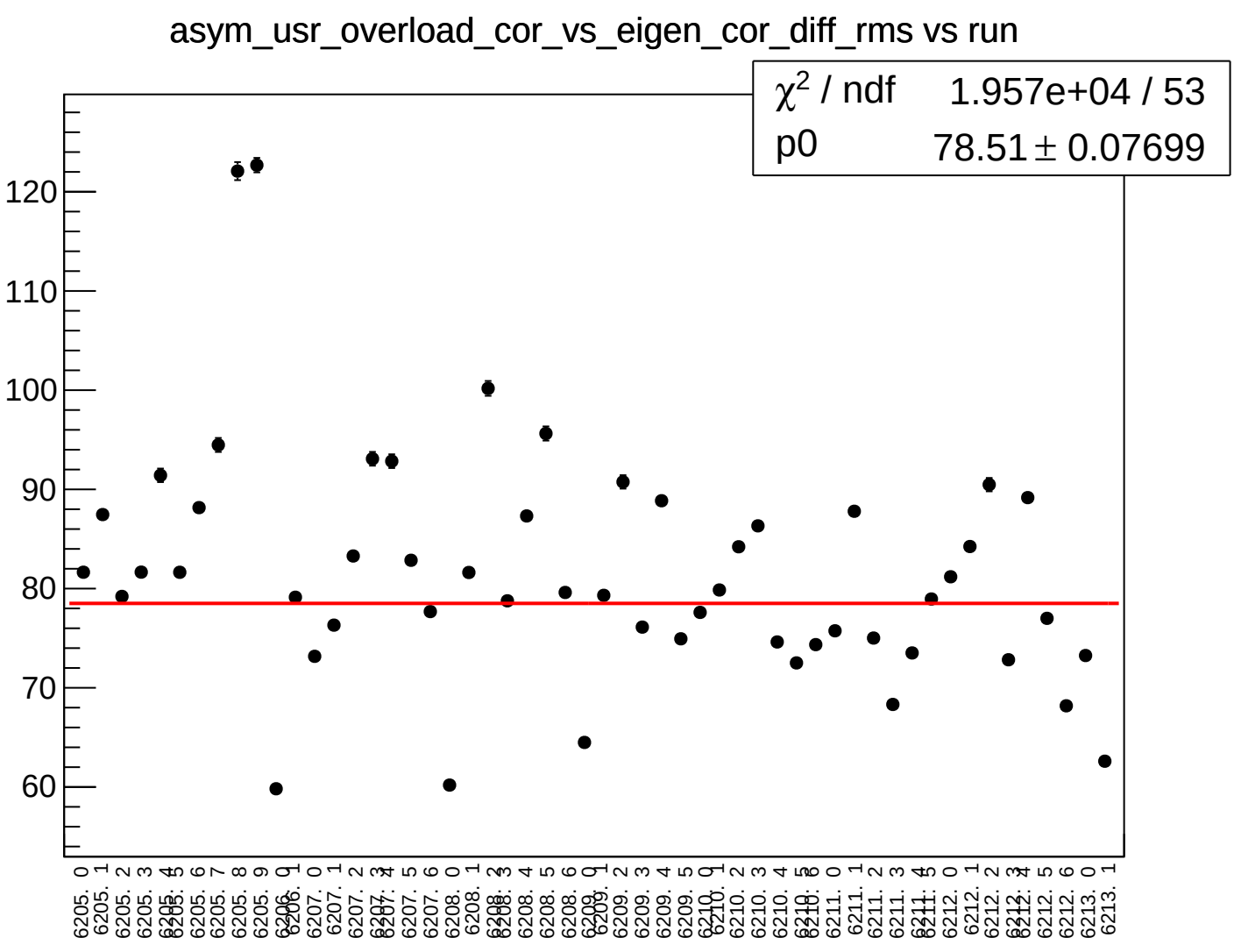

asym_usr_overload_cor_vs_cor_diff_mean vs run
χ² / ndf 49.96 / 53
p0 0.05909 ± 0.1089
pull
Entries 54
Mean 12.81
Std Dev 0

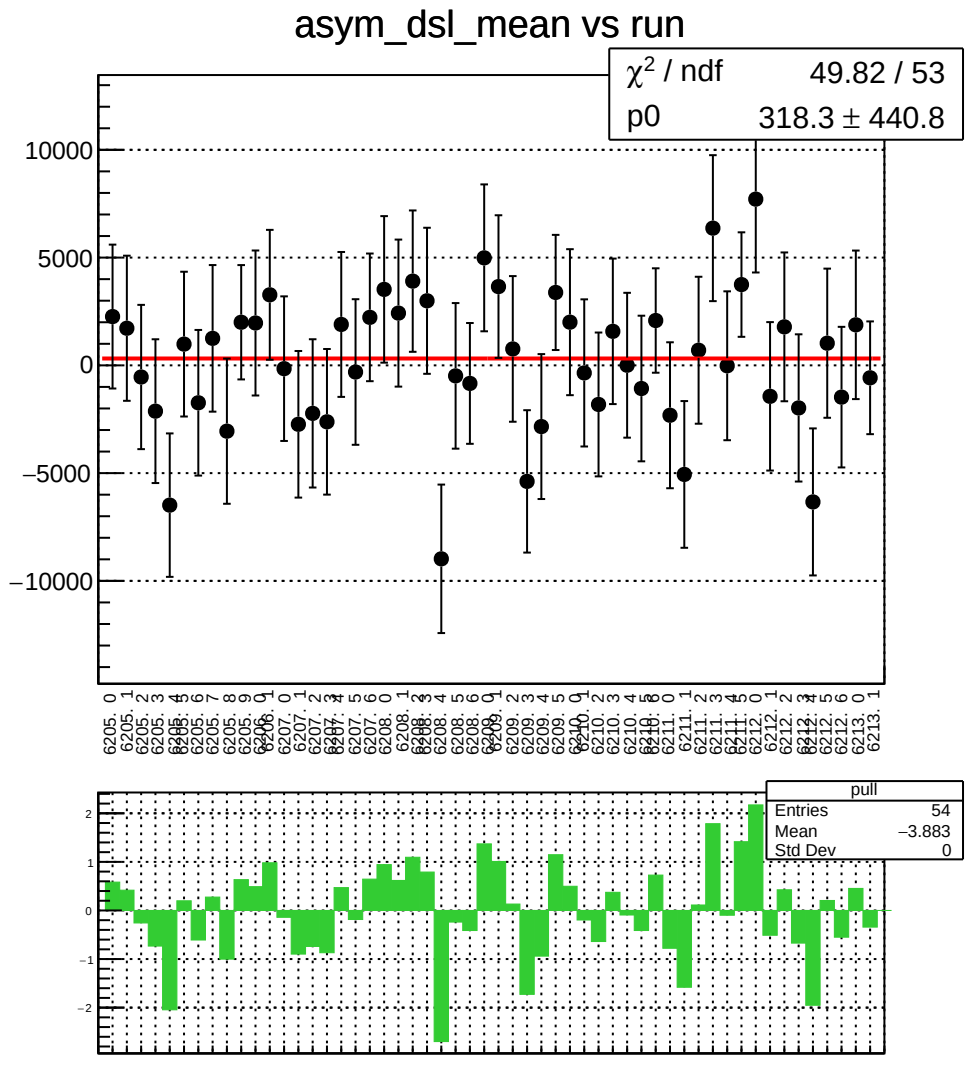

pull1D
Entries 54
Mean −0.0133
Std Dev 0.9618

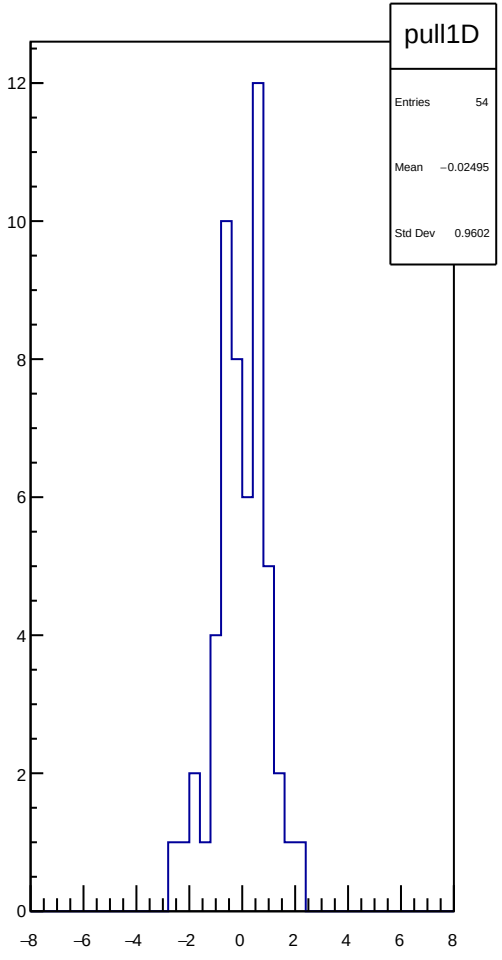

asym_usr_overload_cor_vs_cor_diff_rms vs run
χ^2 / ndf 1.957e+04 / 53
p0 78.51 ± 0.07699
120
110
100
90
80
70
60
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

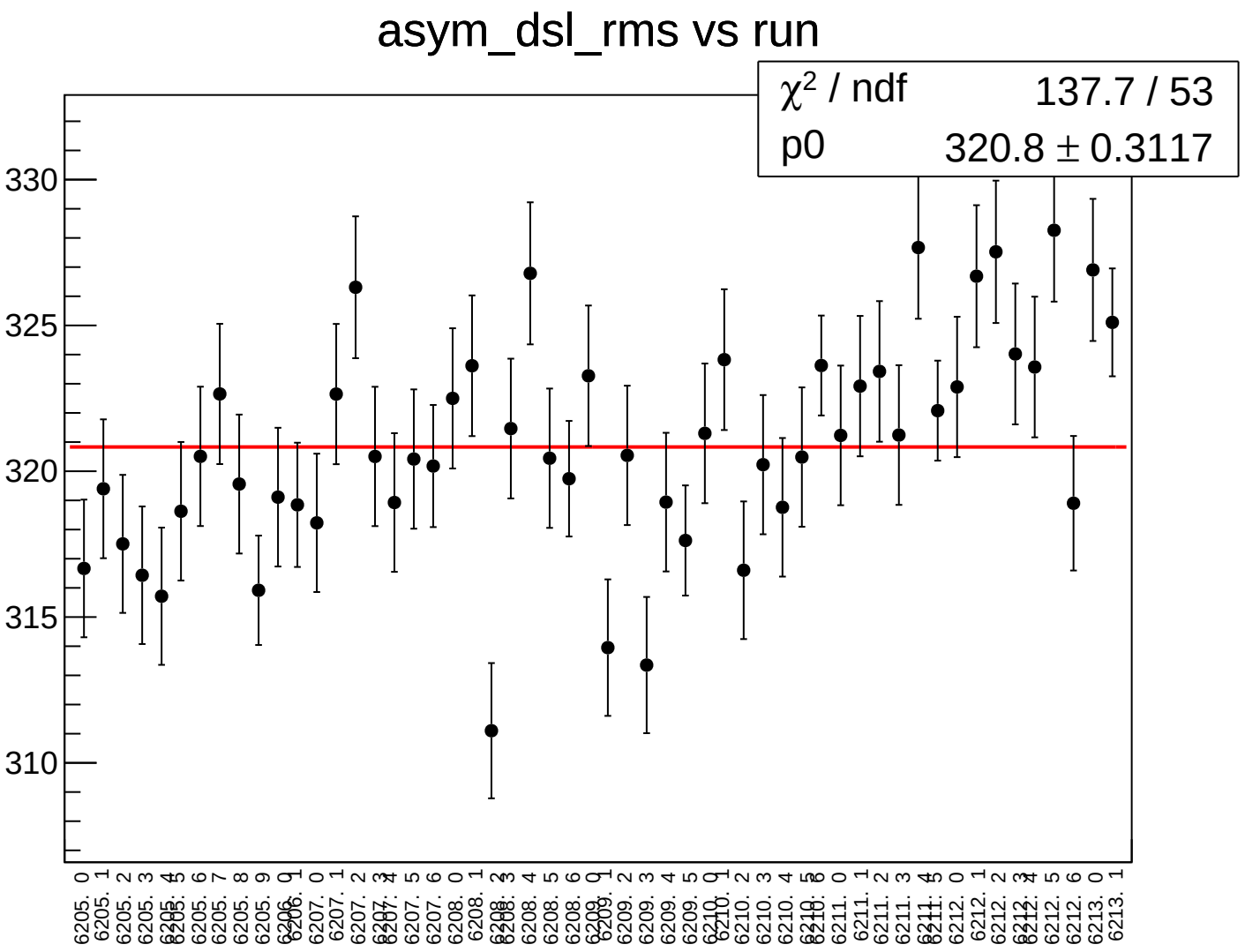

asym_usr_overload_cor_vs_eigen_cor_diff_mean vs run
χ² / ndf 49.96 / 53
p0 0.05909 ± 0.1089
pull
Entries 54
Mean 12.81
Std Dev 0

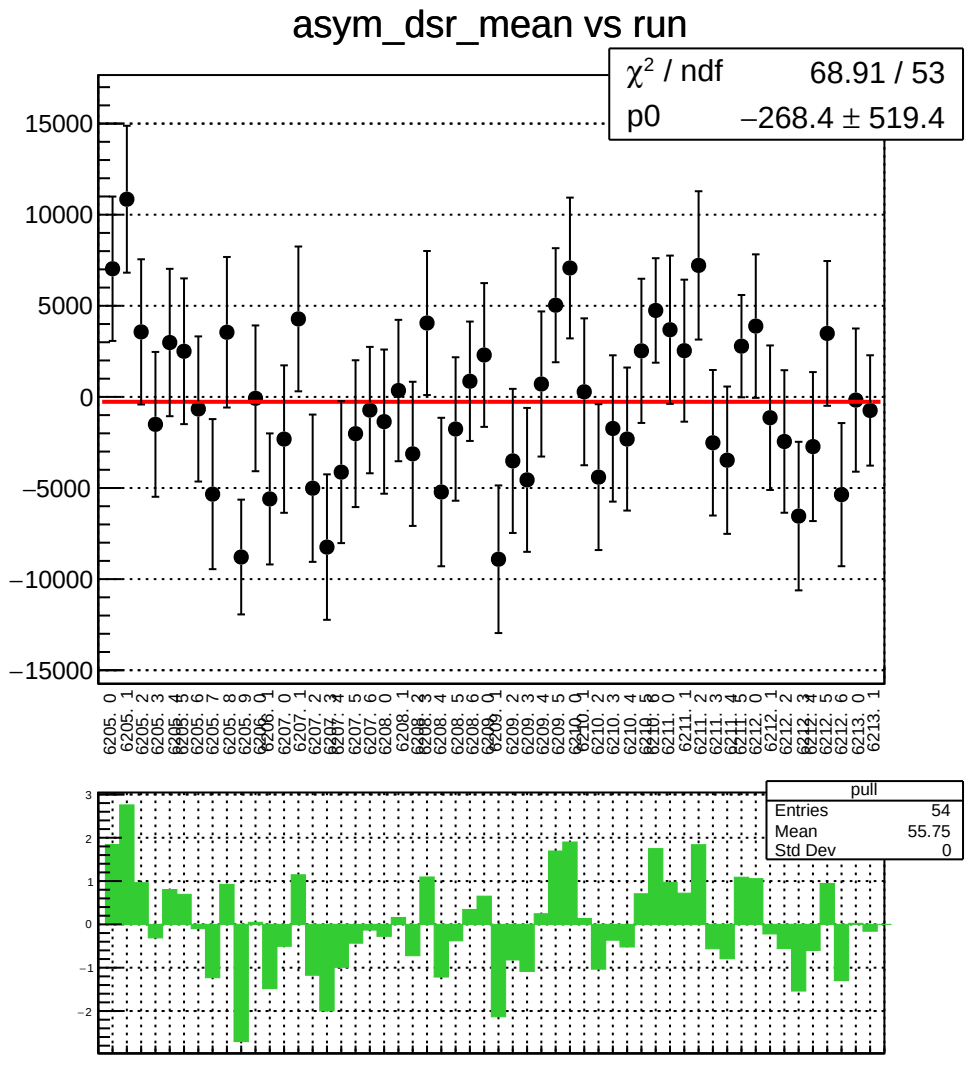

pull1D
Entries 54
Mean −0.0133
Std Dev 0.9618

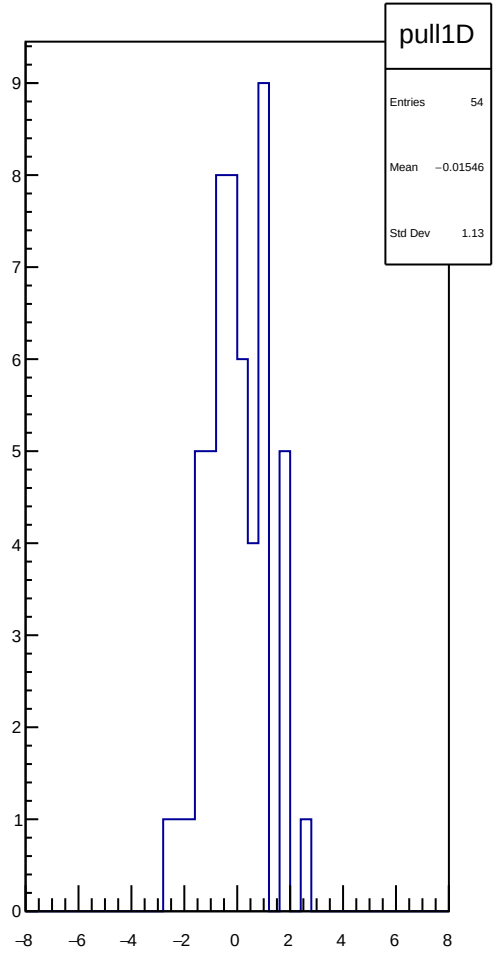

asym_usr_overload_cor_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 1.957e+04 / 53
p0 78.51 ± 0.07699
120
110
100
90
80
70
60
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

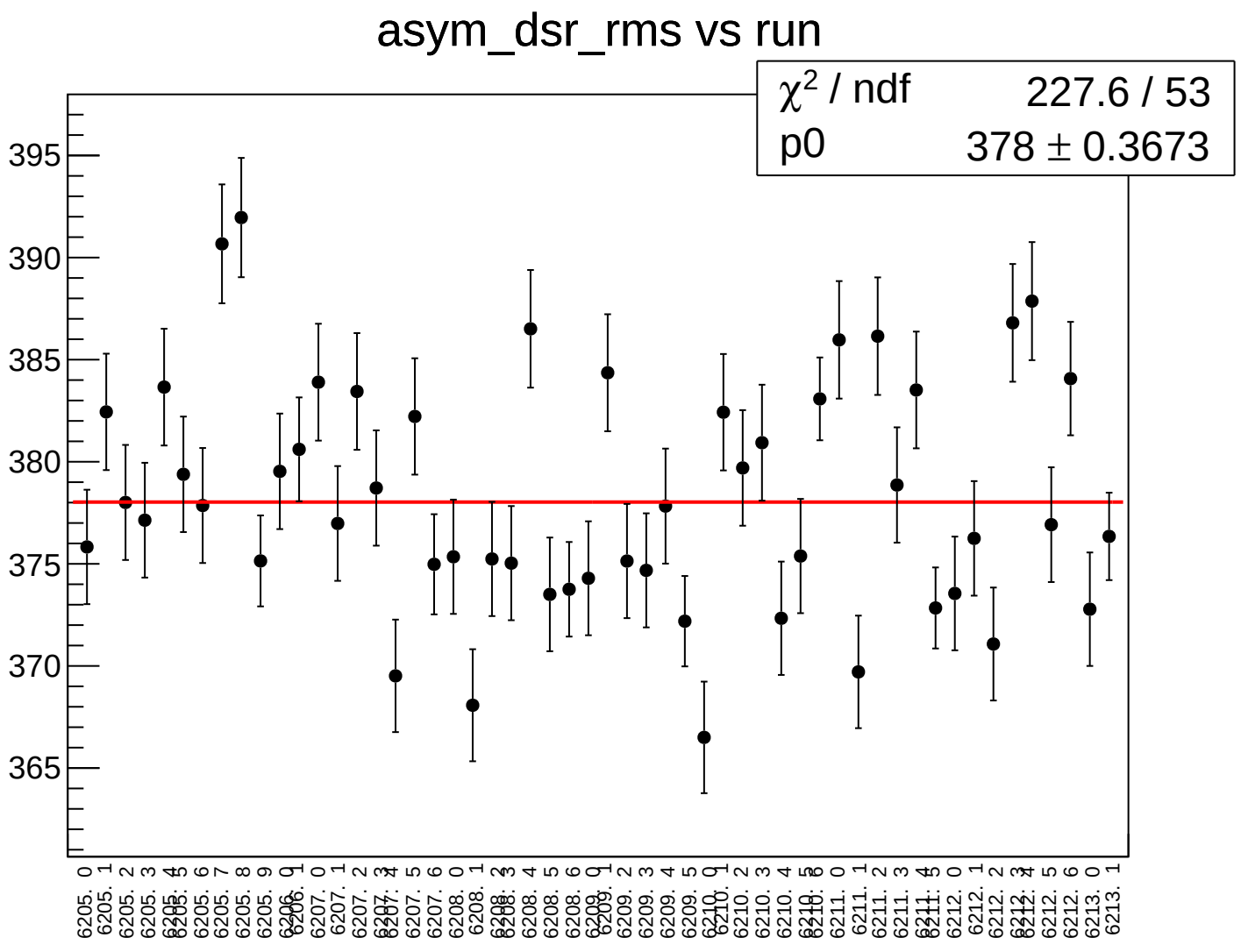

asym_dsl_mean vs run
χ² / ndf 49.82 / 53
p0 318.3 ± 440.8
10000
5000
0
−5000
−10000
pull
Entries 54
Mean −3.883
Std Dev 0

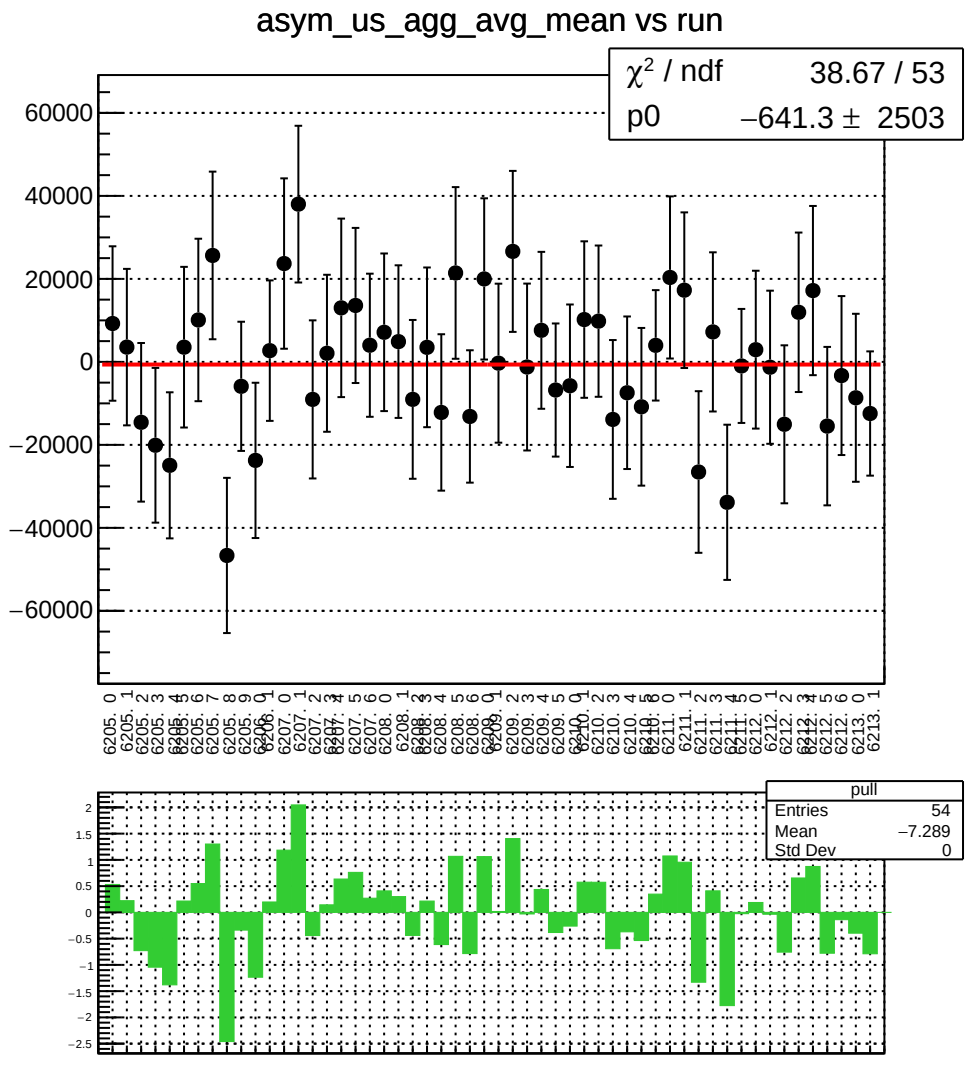

pull1D
Entries 54
Mean −0.02495
Std Dev 0.9602

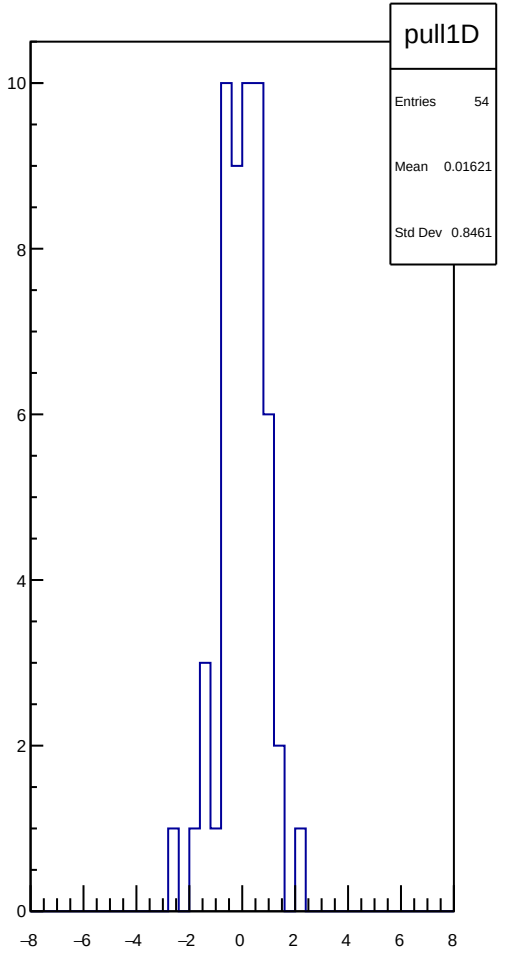

asym_dsl_rms vs run
χ² / ndf 137.7 / 53
p0 320.8 ± 0.3117
330
325
320
315
310
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

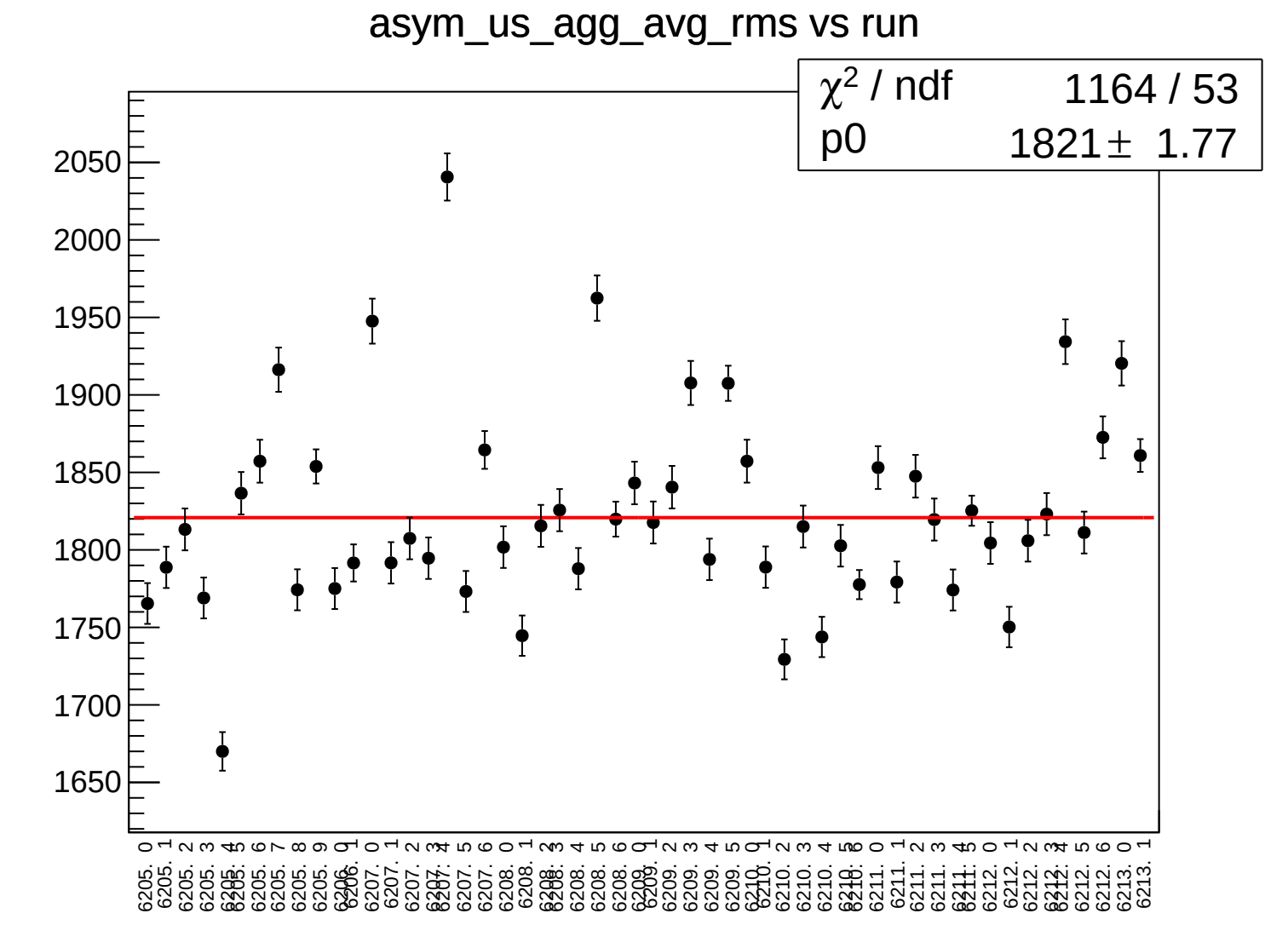

asym_dsr_mean vs run
χ² / ndf 68.91 / 53
p0 −268.4 ± 519.4
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 54
Mean 55.75
Std Dev 0
3
2
1
0
−1
−2

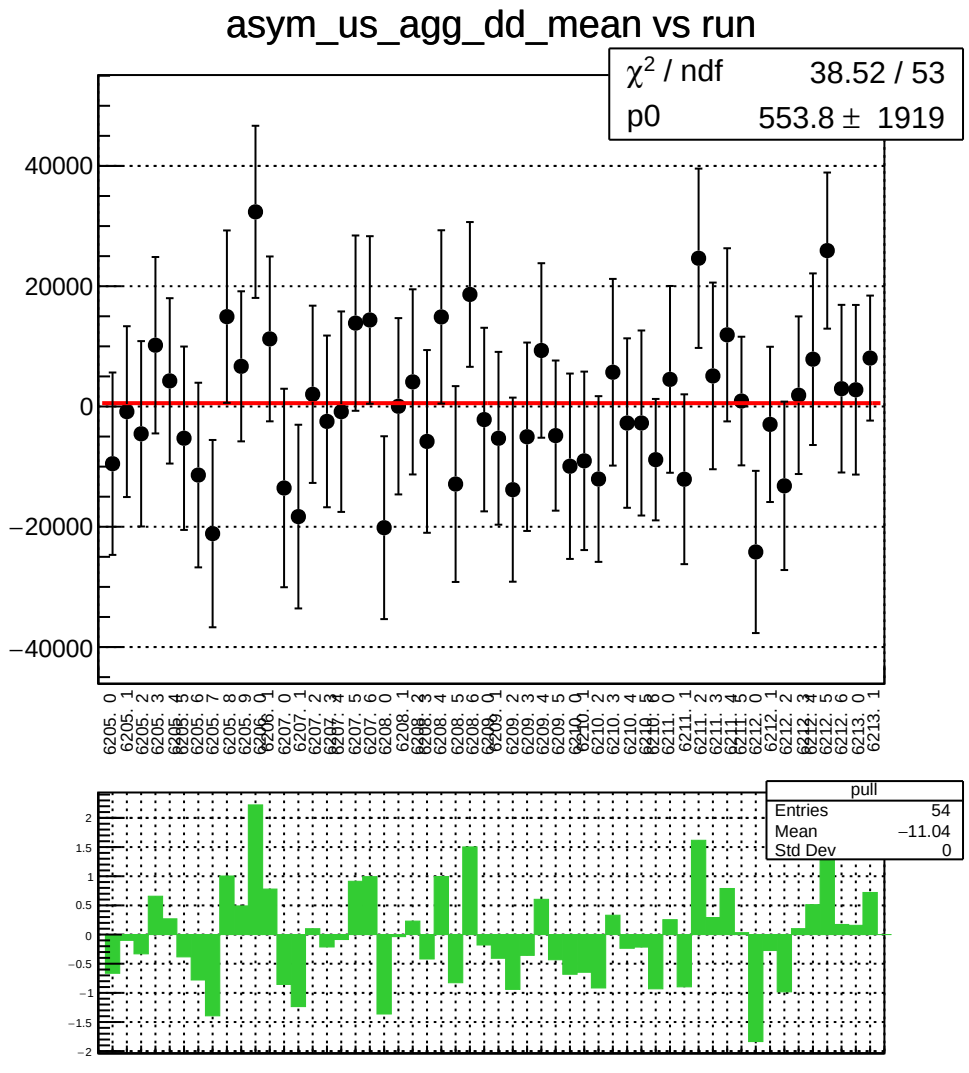

pull1D
Entries 54
Mean −0.01546
Std Dev 1.13
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

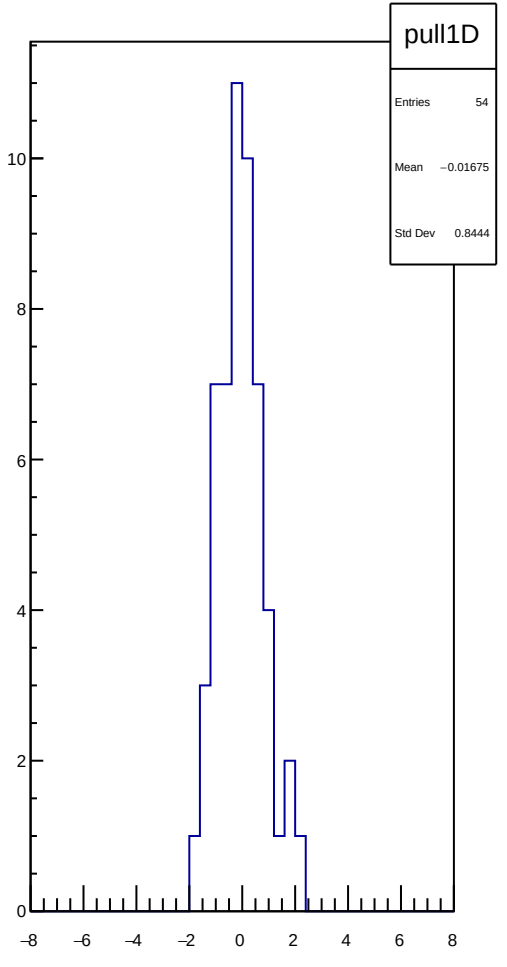

asym_dsr_rms vs run
χ² / ndf 227.6 / 53
p0 378 ± 0.3673
395
390
385
380
375
370
365
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

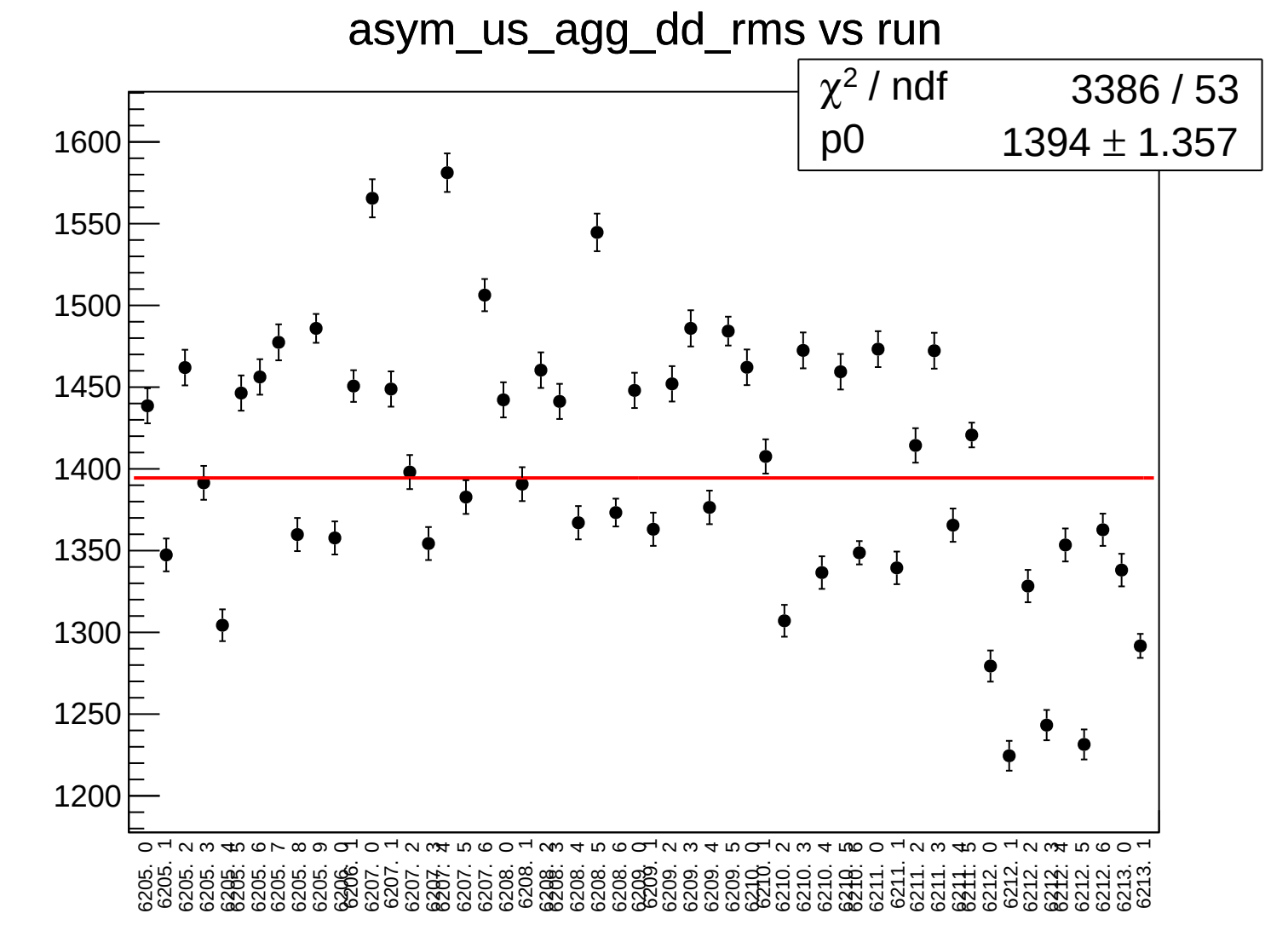

asym_us_agg_avg_mean vs run
χ² / ndf 38.67 / 53
p0 −641.3 ± 2503
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean −7.289
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

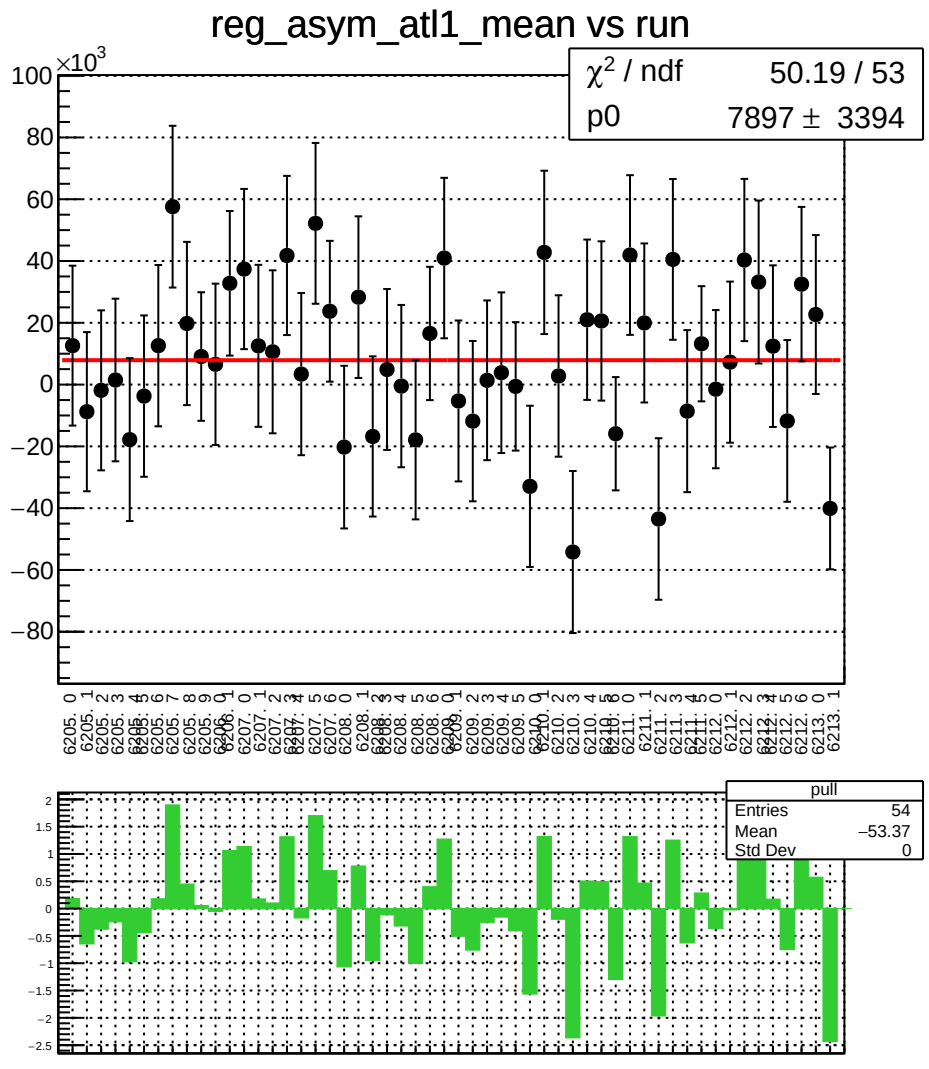

pull1D
Entries 54
Mean 0.01621
Std Dev 0.8461
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

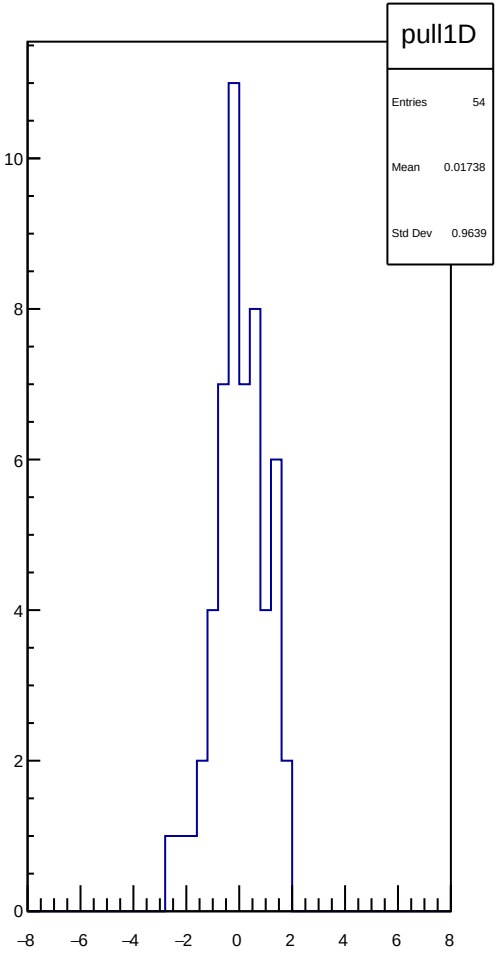

asym_us_agg_avg_rms vs run
χ² / ndf 1164 / 53
p0 1821 ± 1.77
2050
2000
1950
1900
1850
1800
1750
1700
1650
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

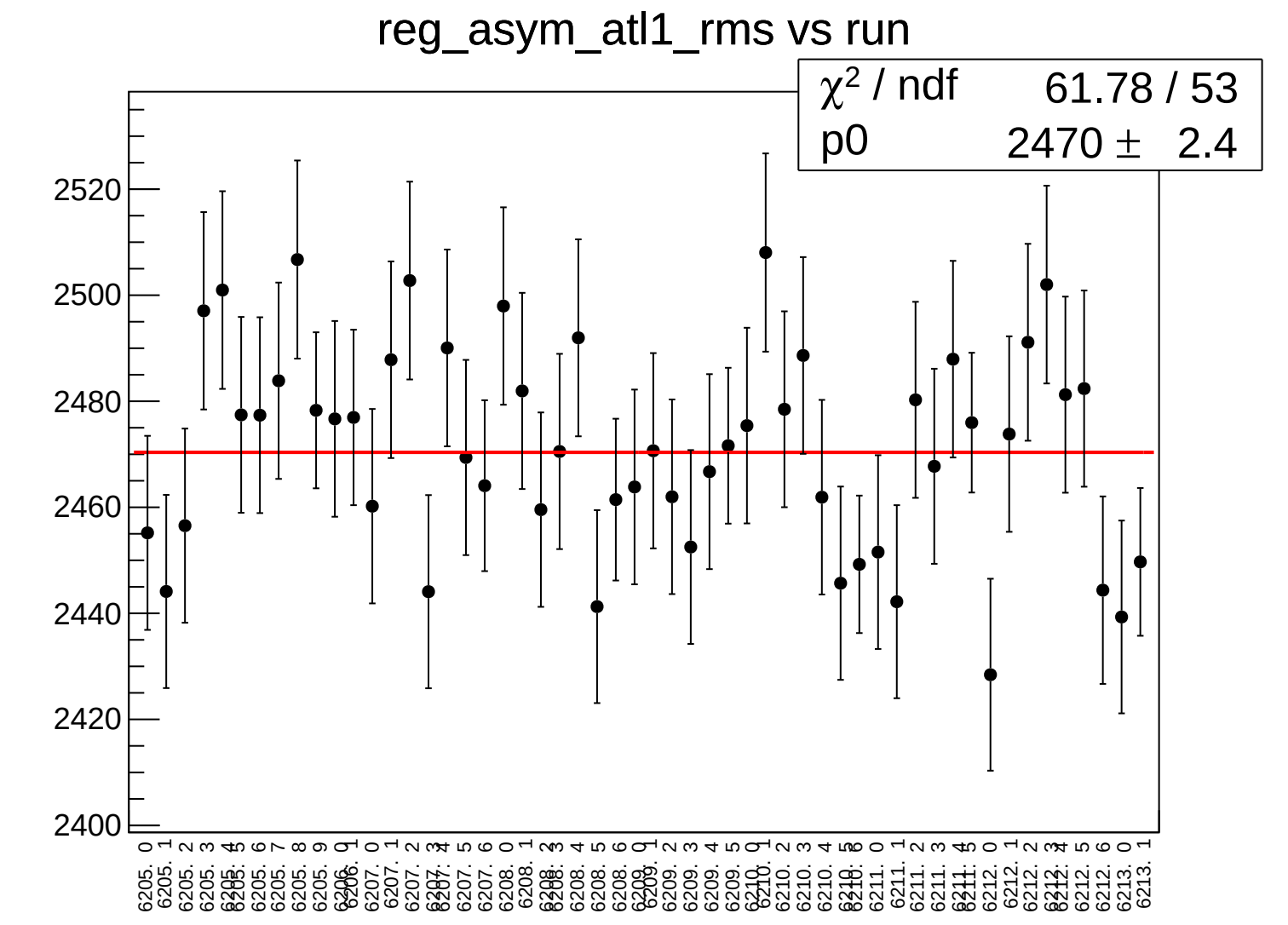

asym_us_agg_dd_mean vs run
χ² / ndf 38.52 / 53
p0 553.8 ± 1919
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −11.04
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

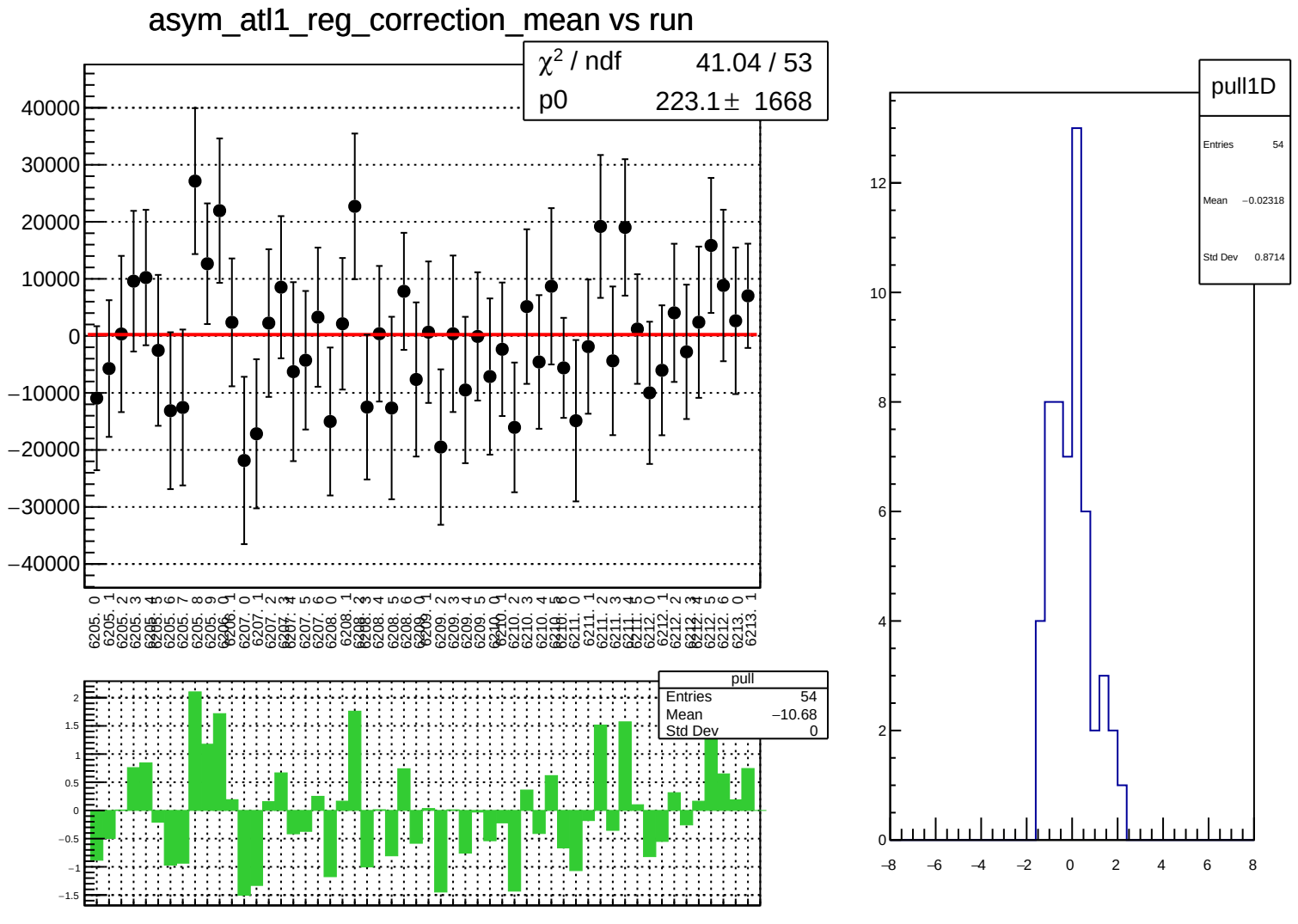

pull1D
Entries 54
Mean −0.01675
Std Dev 0.8444
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

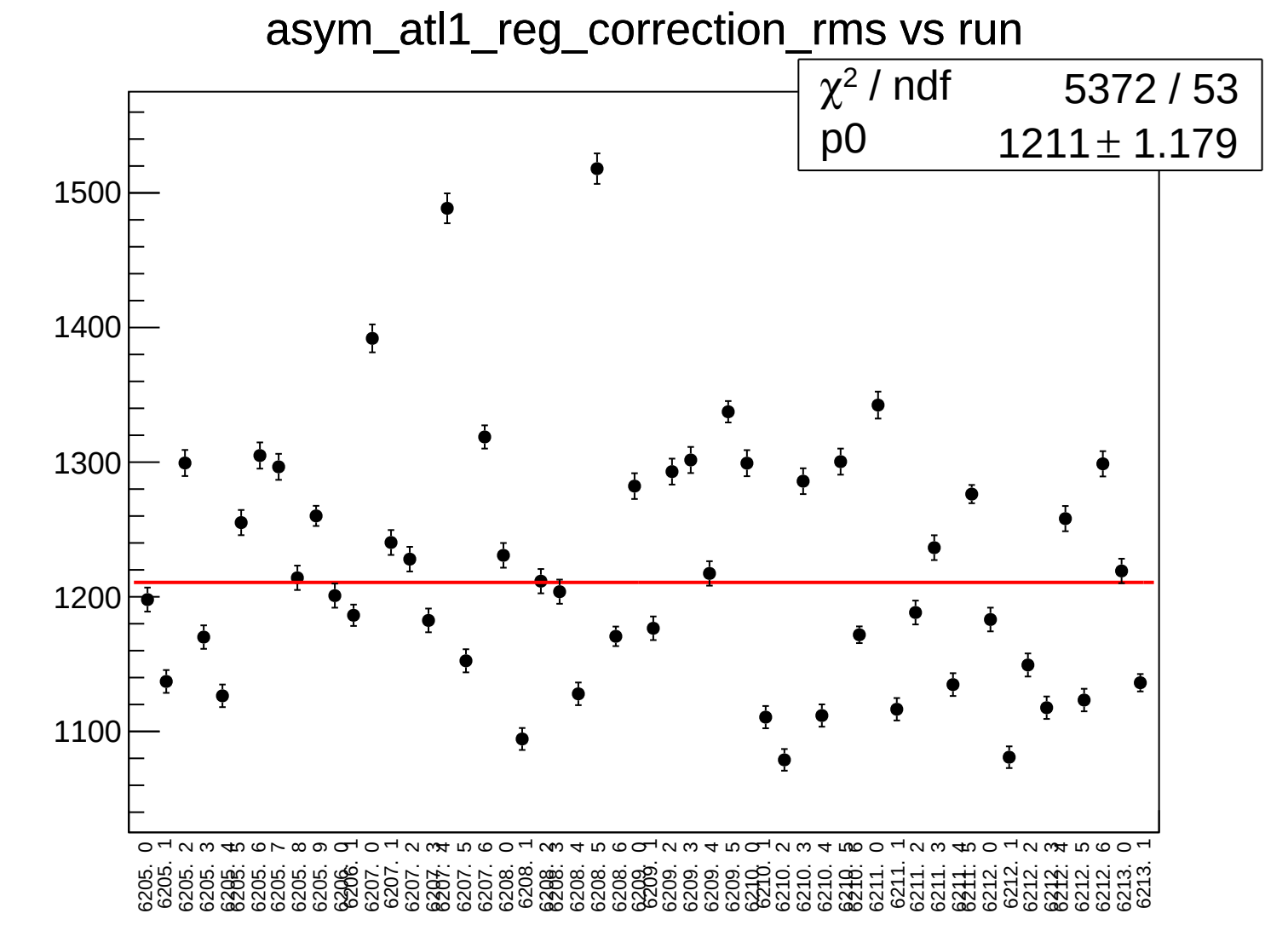

asym_us_agg_dd_rms vs run
χ² / ndf 3386 / 53
p0 1394 ± 1.357
1600
1550
1500
1450
1400
1350
1300
1250
1200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

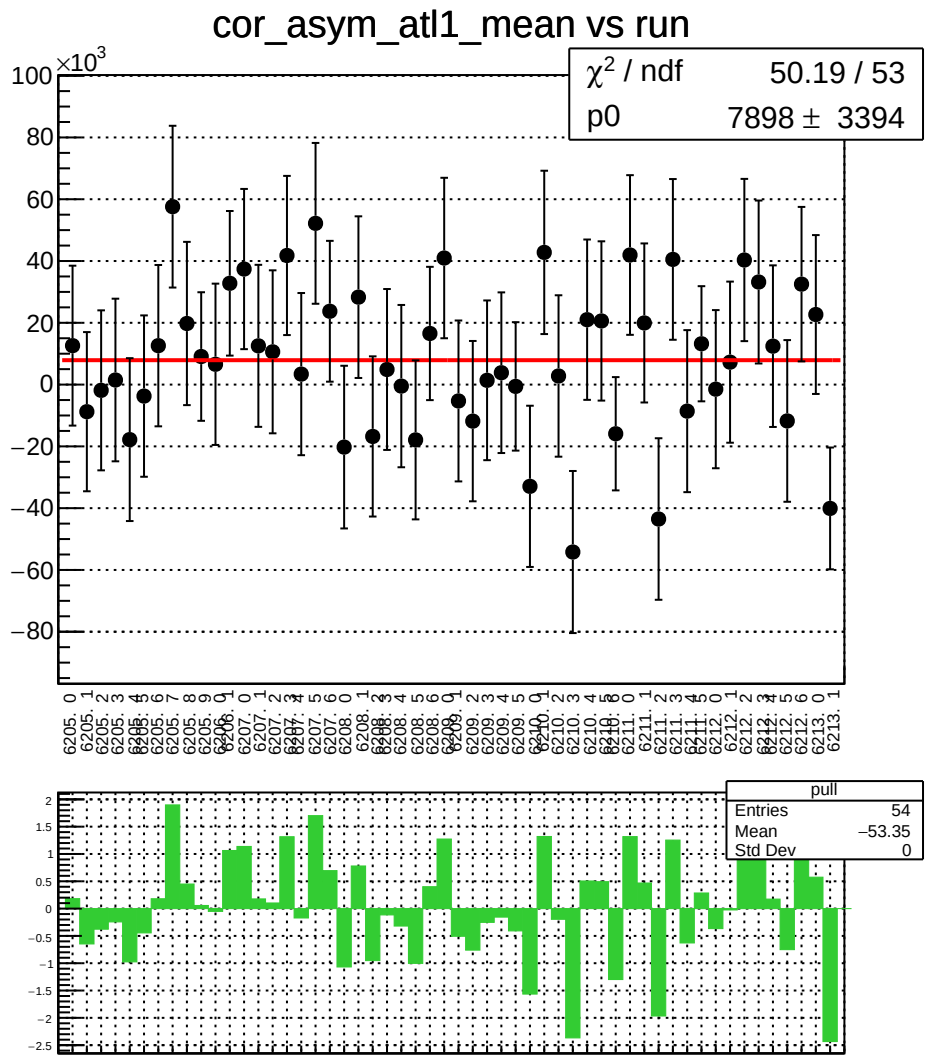

reg_asym_atl1_mean vs run
χ² / ndf 50.19 / 53
p0 7897 ± 3394
×10³
pull
Entries 54
Mean −53.37
Std Dev 0

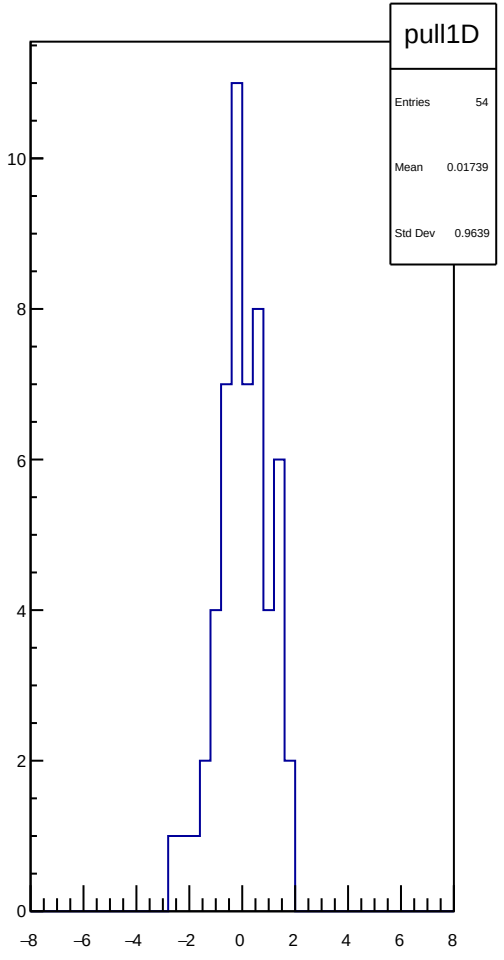

pull1D
Entries 54
Mean 0.01738
Std Dev 0.9639

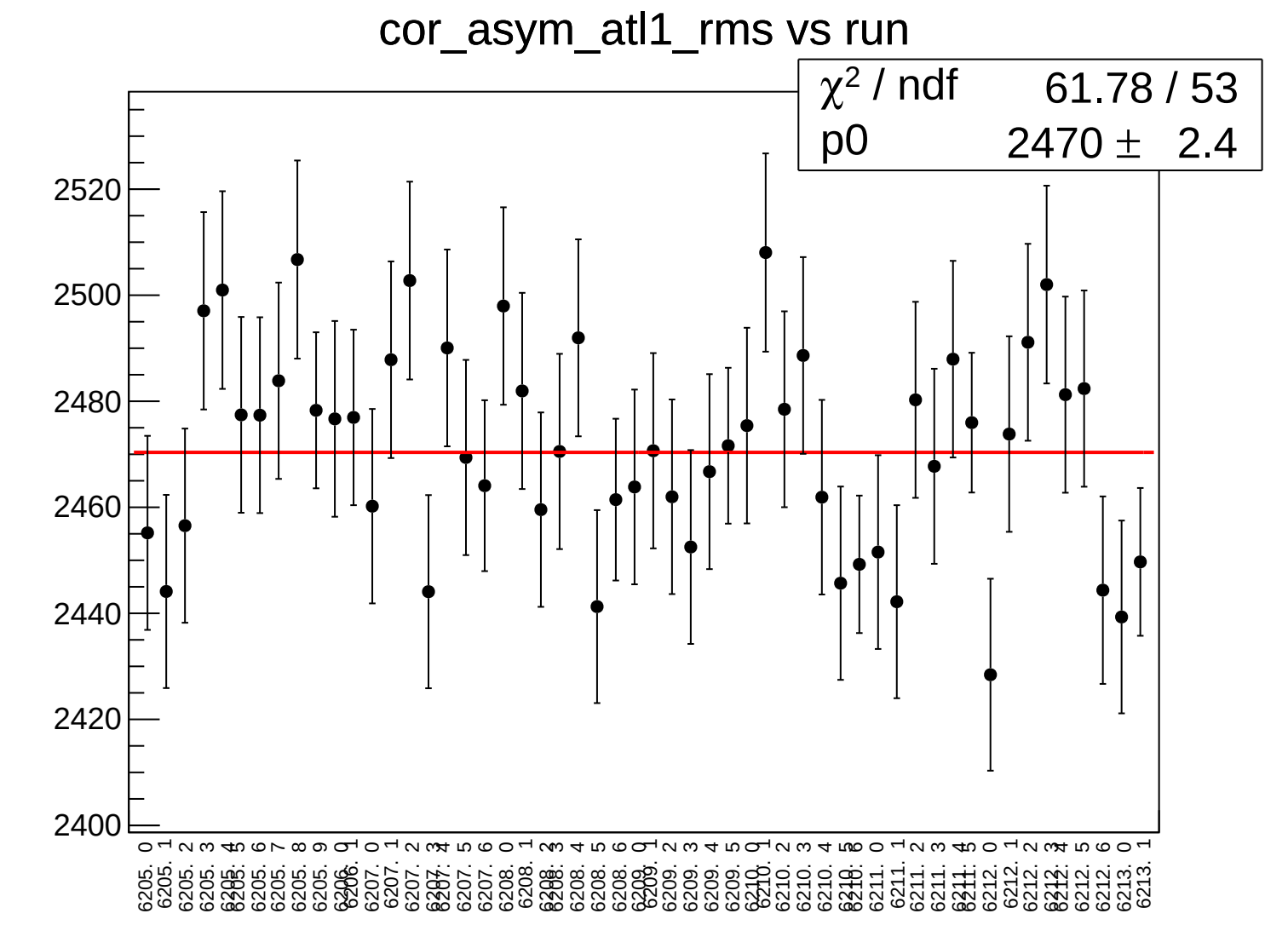

reg_asym_atl1_rms vs run
χ² / ndf 61.78 / 53
p0 2470 ± 2.4
2520
2500
2480
2460
2440
2420
2400
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

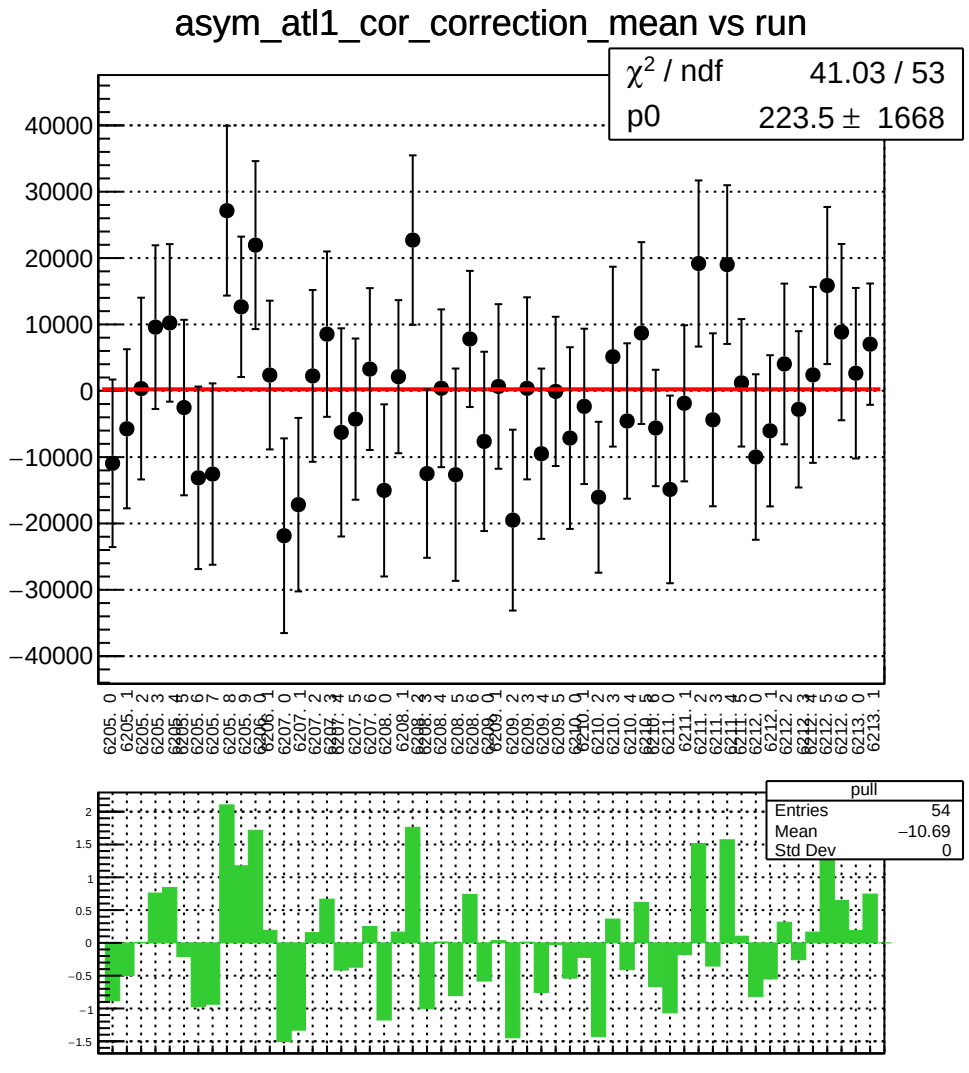

asym_atl1_reg_correction_mean vs run
χ² / ndf 41.04 / 53
p0 223.1 ± 1668
pull
Entries 54
Mean −10.68
Std Dev 0
pull1D
Entries 54
Mean −0.02318
Std Dev 0.8714

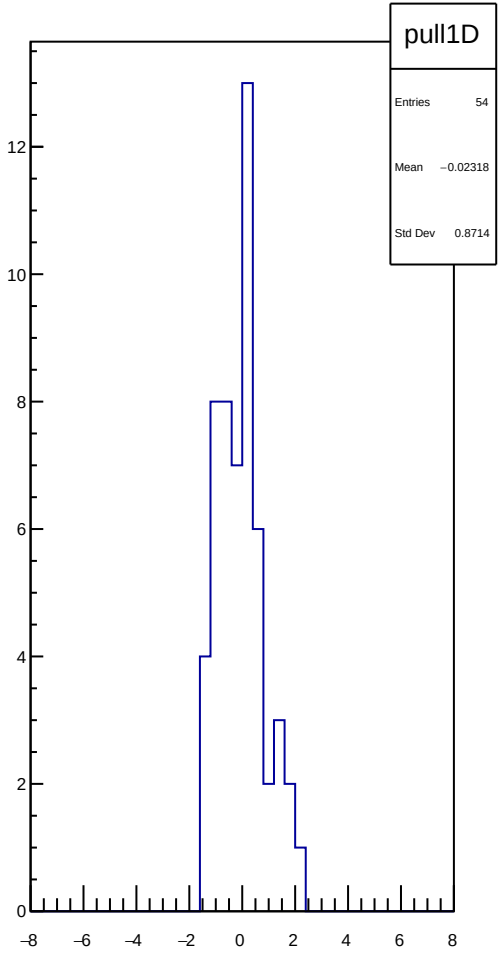

asym_atl1_reg_correction_rms vs run
χ² / ndf 5372 / 53
p0 1211 ± 1.179
1500
1400
1300
1200
1100
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

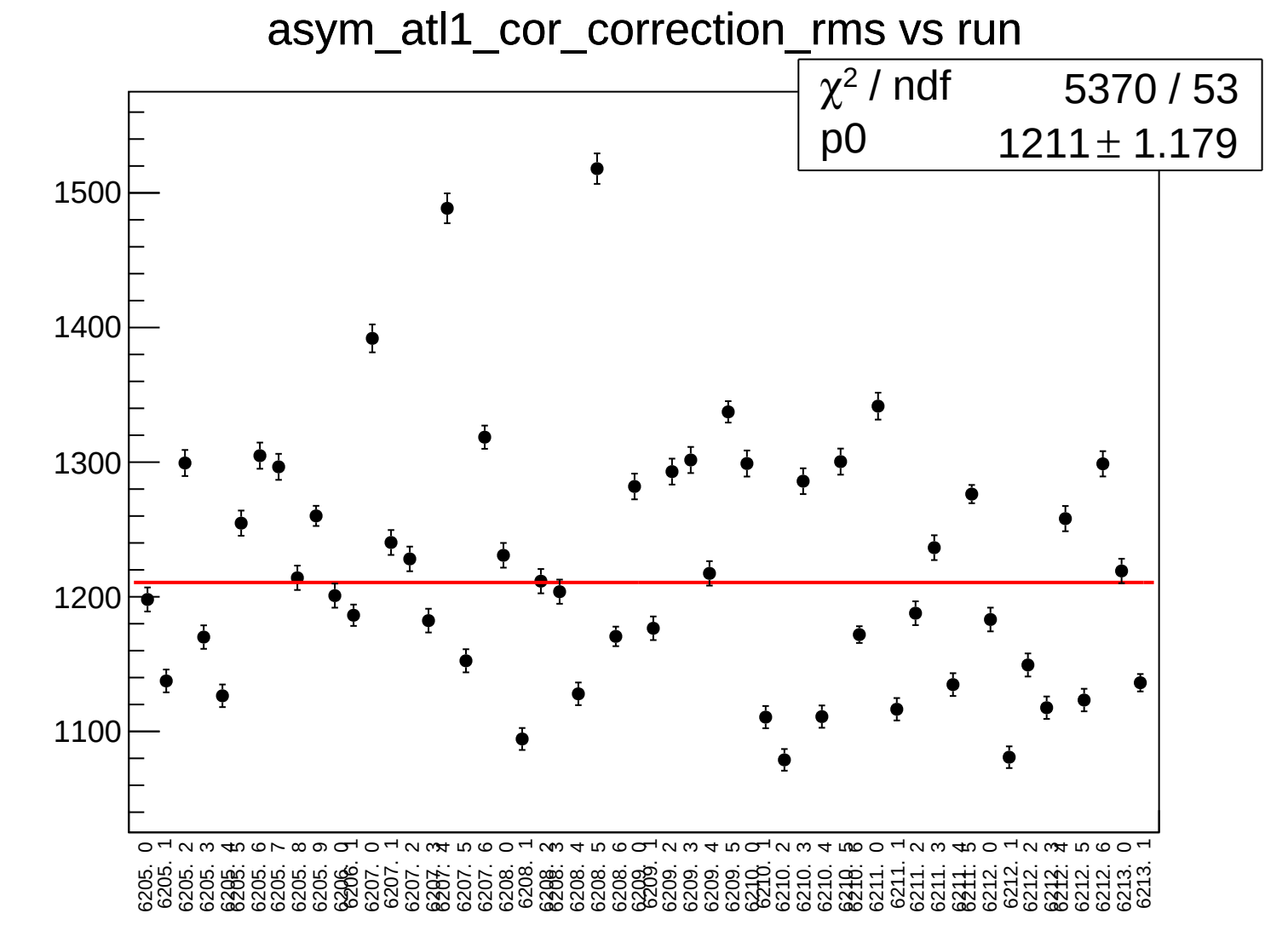

cor_asym_atl1_mean vs run
×10^3
χ^2 / ndf 50.19 / 53
p0 7898 ± 3394
pull
Entries 54
Mean −53.35
Std Dev 0

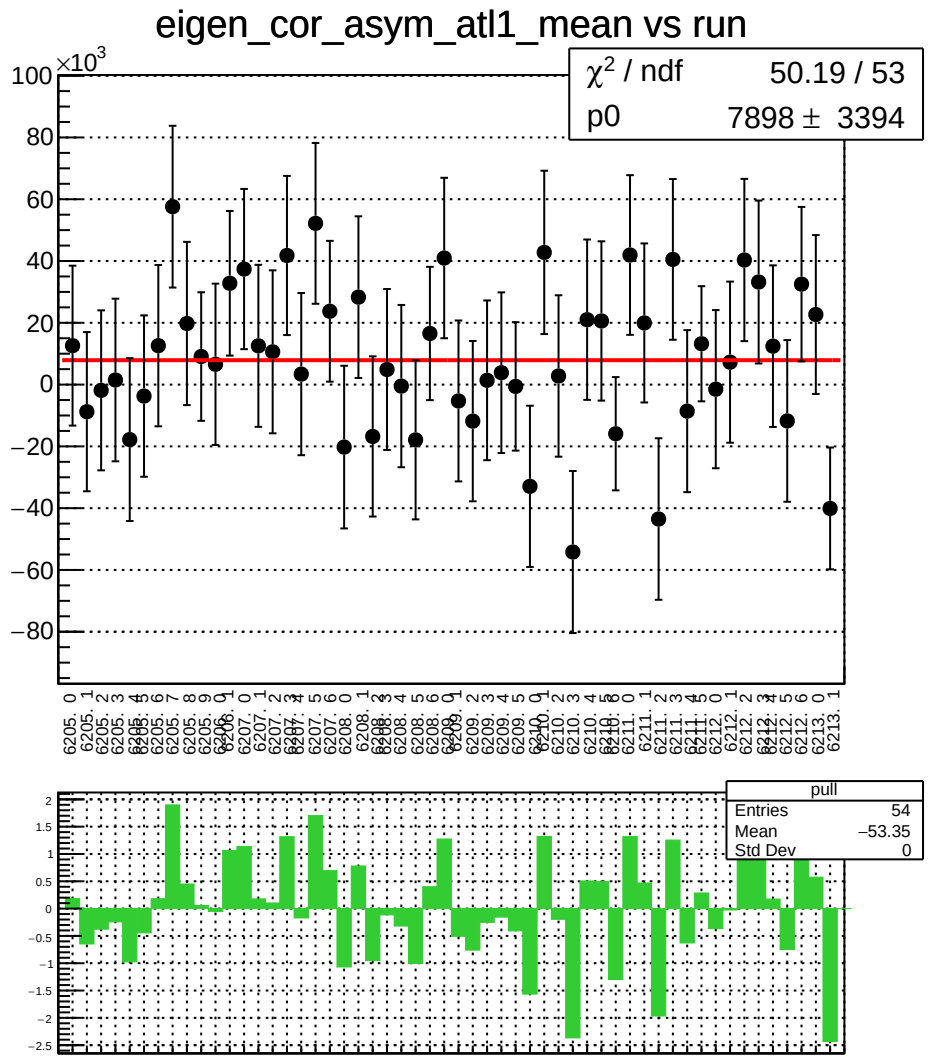

pull1D
Entries 54
Mean 0.01739
Std Dev 0.9639

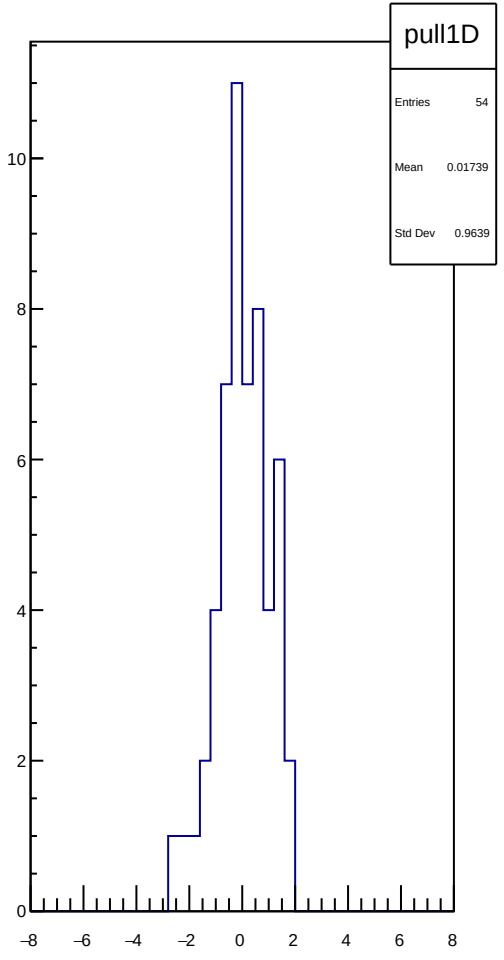

cor_asym_atl1_rms vs run
χ² / ndf 61.78 / 53
p0 2470 ± 2.4
2520
2500
2480
2460
2440
2420
2400
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

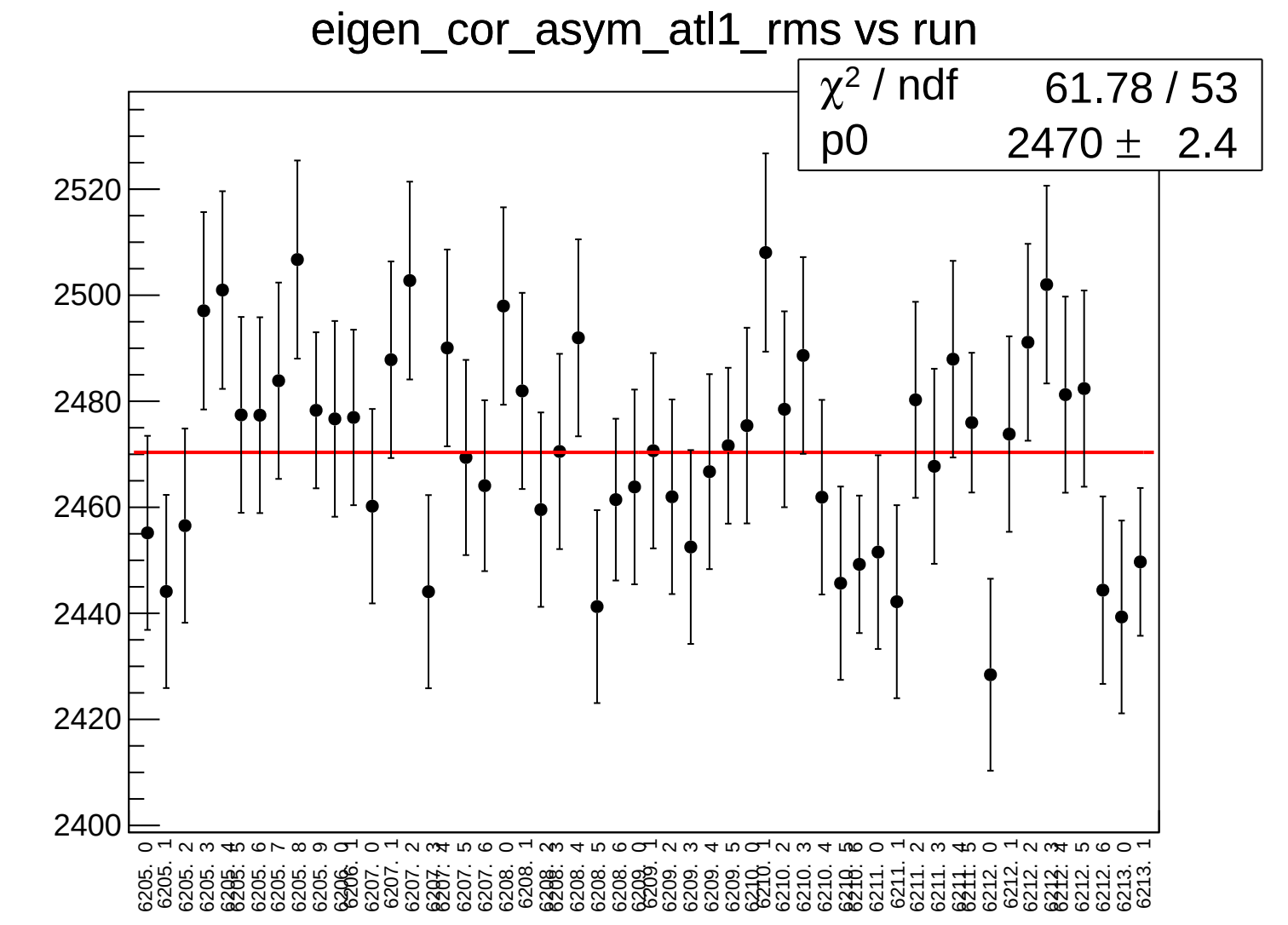

asym_atl1_cor_correction_mean vs run
χ² / ndf 41.03 / 53
p0 223.5 ± 1668
pull
Entries 54
Mean −10.69
Std Dev 0

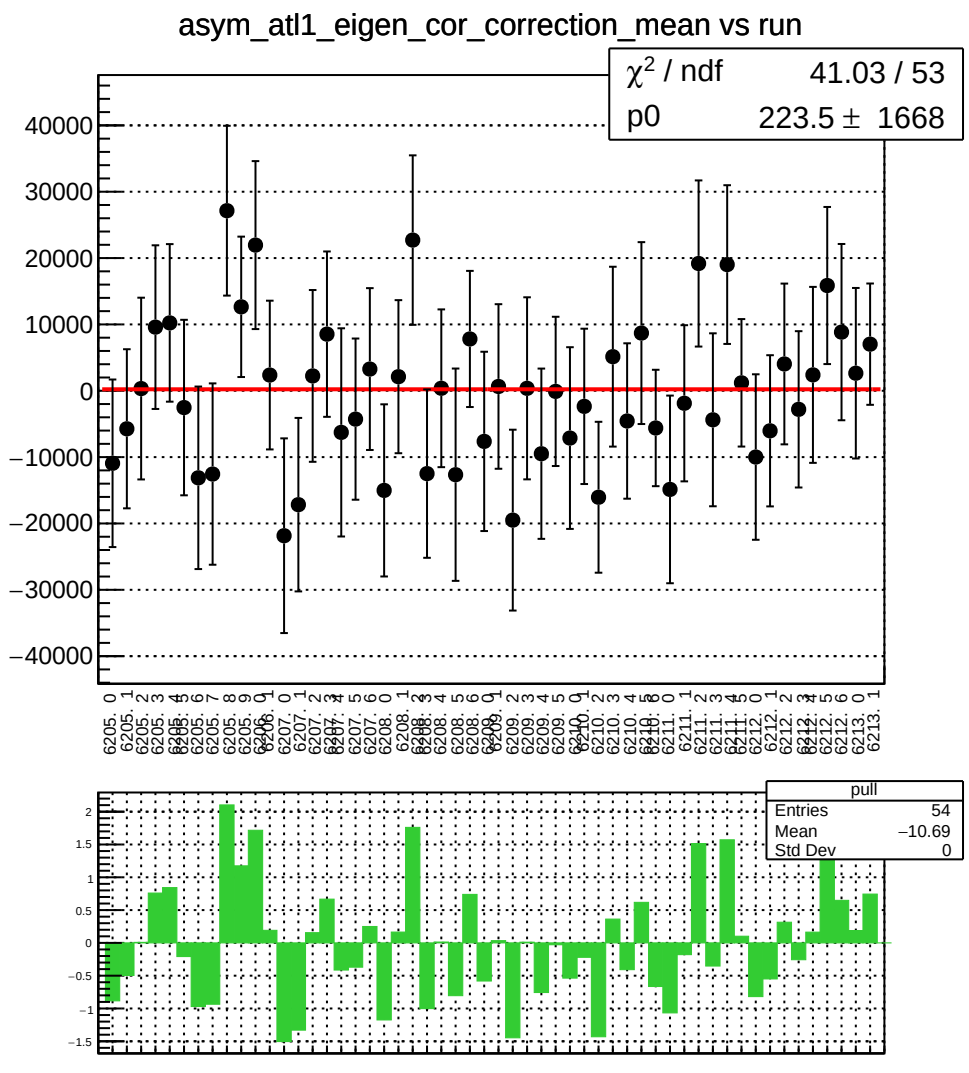

pull1D
Entries 54
Mean −0.02318
Std Dev 0.8714

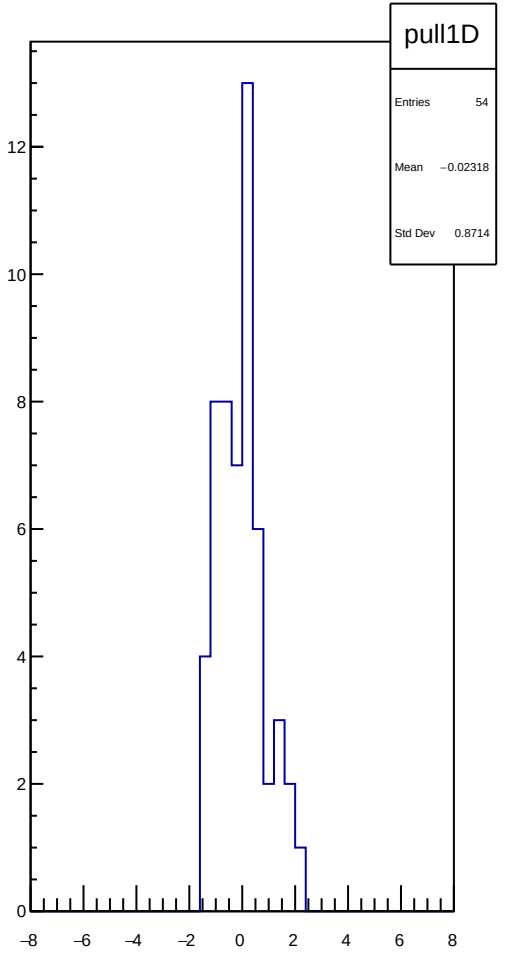

asym_atl1_cor_correction_rms vs run
χ² / ndf 5370 / 53
p0 1211 ± 1.179
1500
1400
1300
1200
1100
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

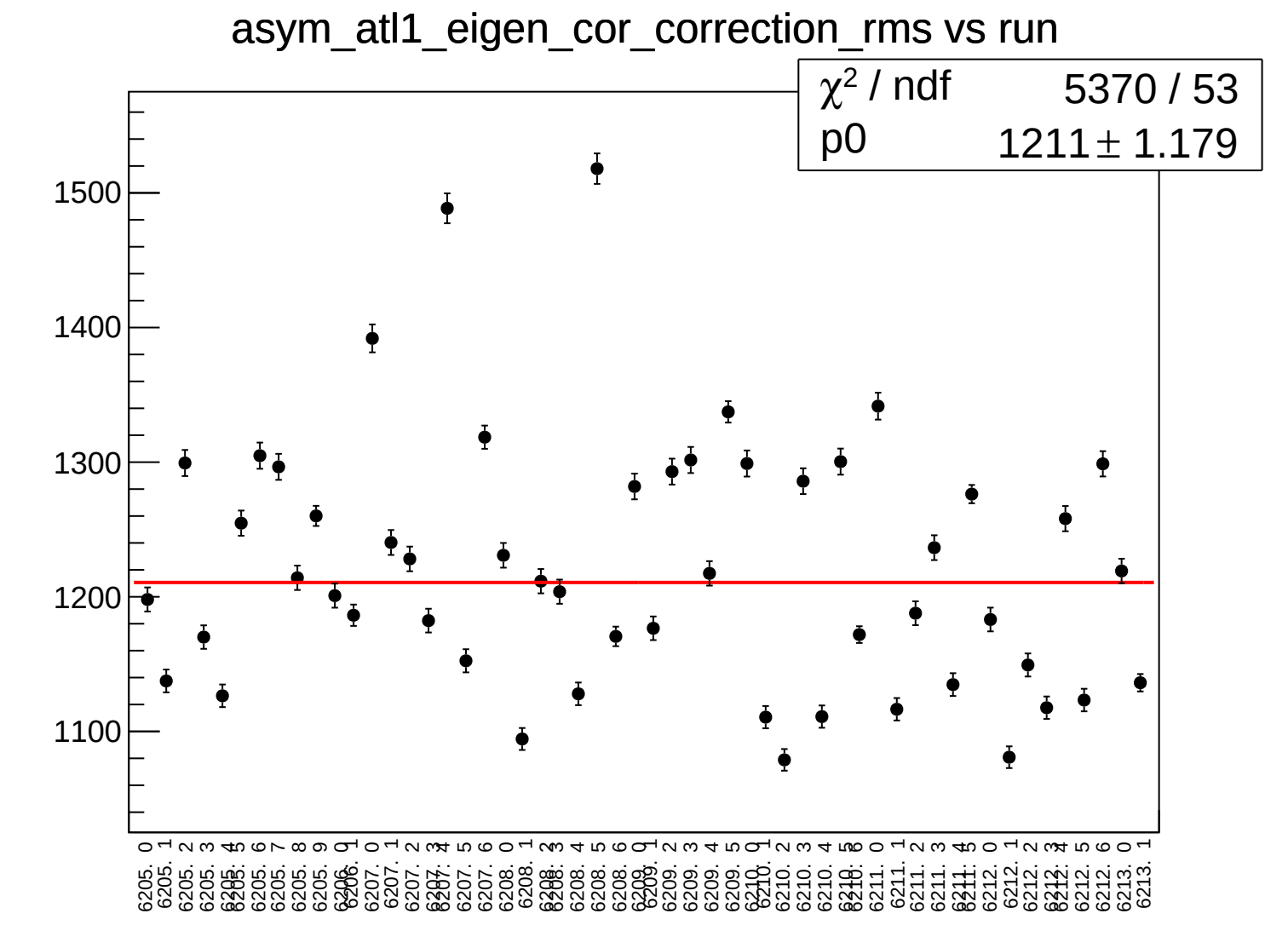

eigen_cor_asym_atl1_mean vs run
χ² / ndf 50.19 / 53
p0 7898 ± 3394
×10³
pull
Entries 54
Mean −53.35
Std Dev 0

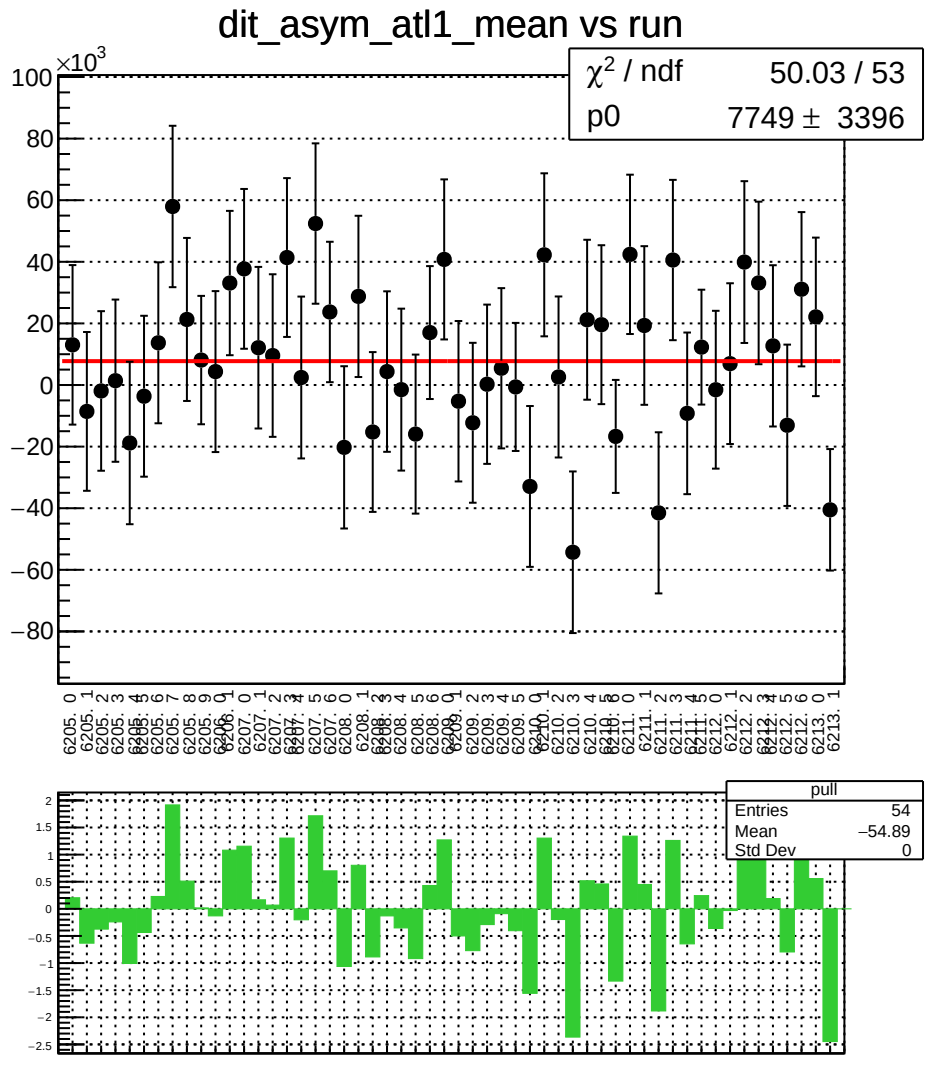

pull1D
Entries 54
Mean 0.01739
Std Dev 0.9639

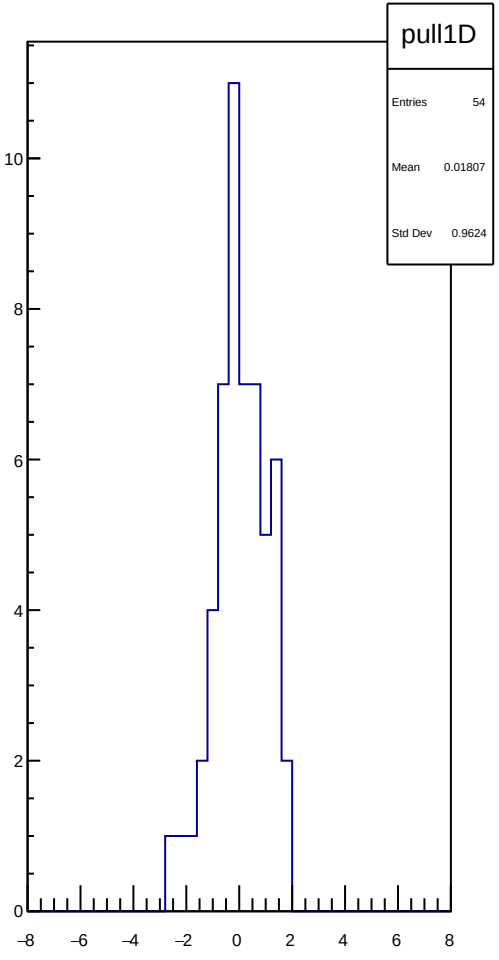

eigen_cor_asym_atl1_rms vs run
χ² / ndf 61.78 / 53
p0 2470 ± 2.4
2520
2500
2480
2460
2440
2420
2400
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

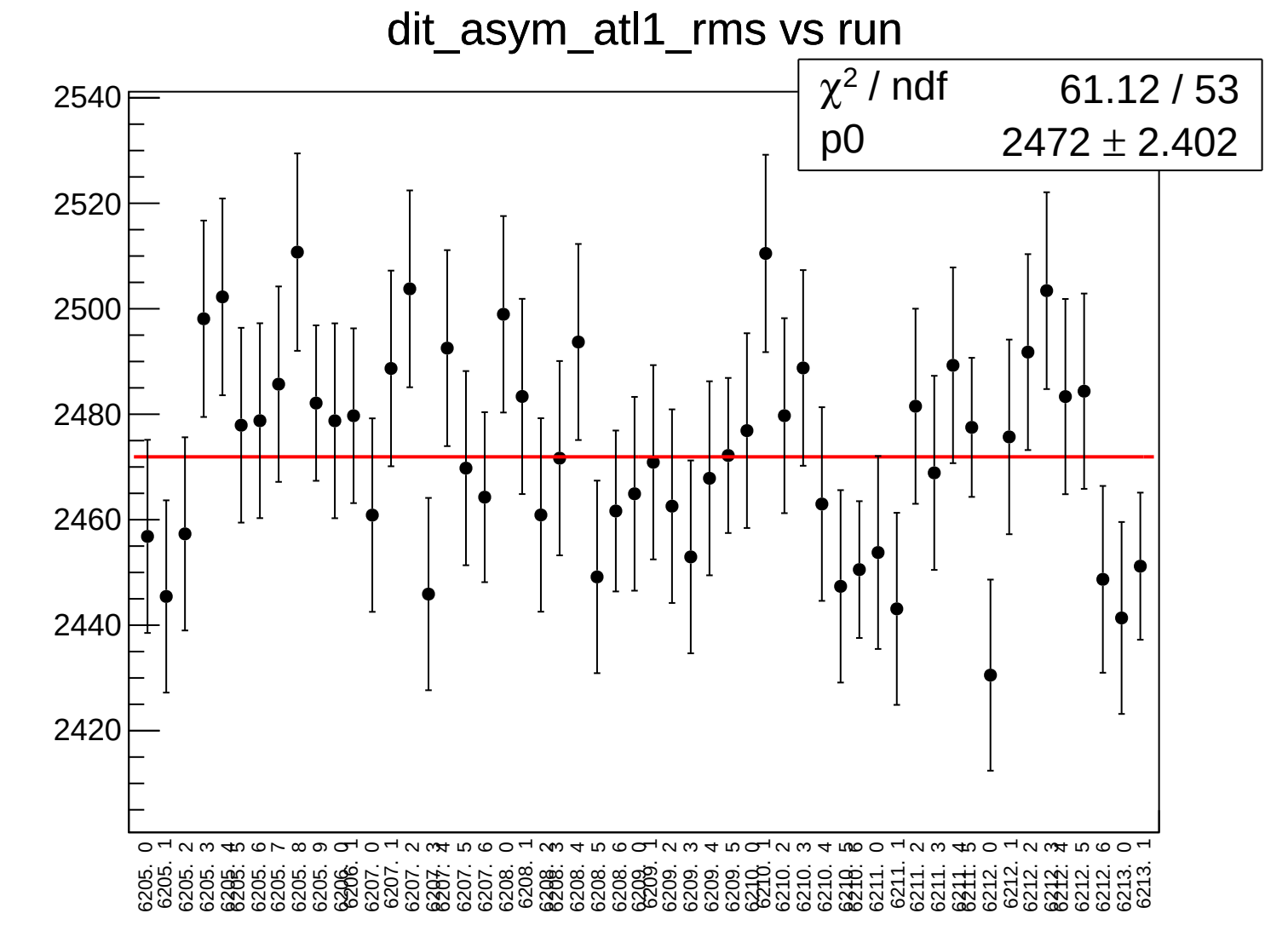

asym_atl1_eigen_cor_correction_mean vs run
χ² / ndf 41.03 / 53
p0 223.5 ± 1668
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 54
Mean −10.69
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

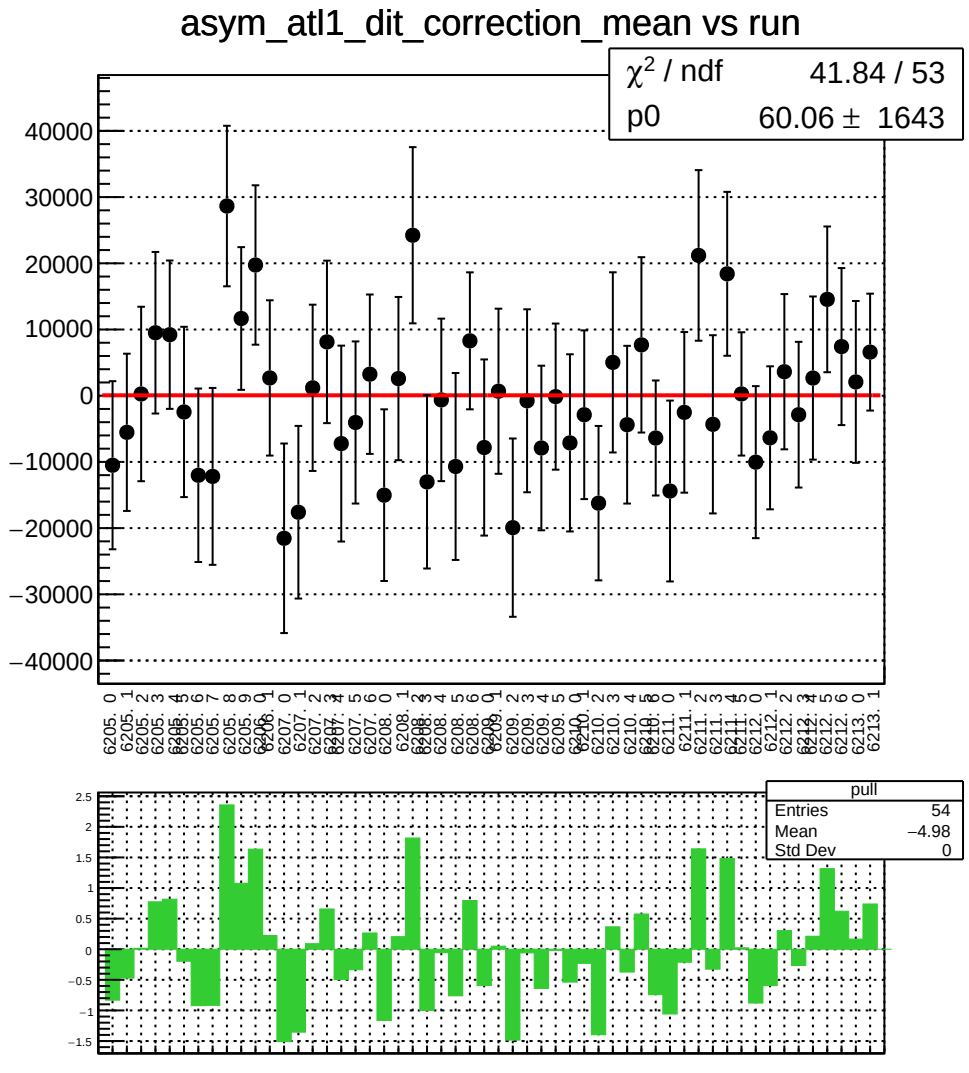

pull1D
Entries 54
Mean −0.02318
Std Dev 0.8714
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

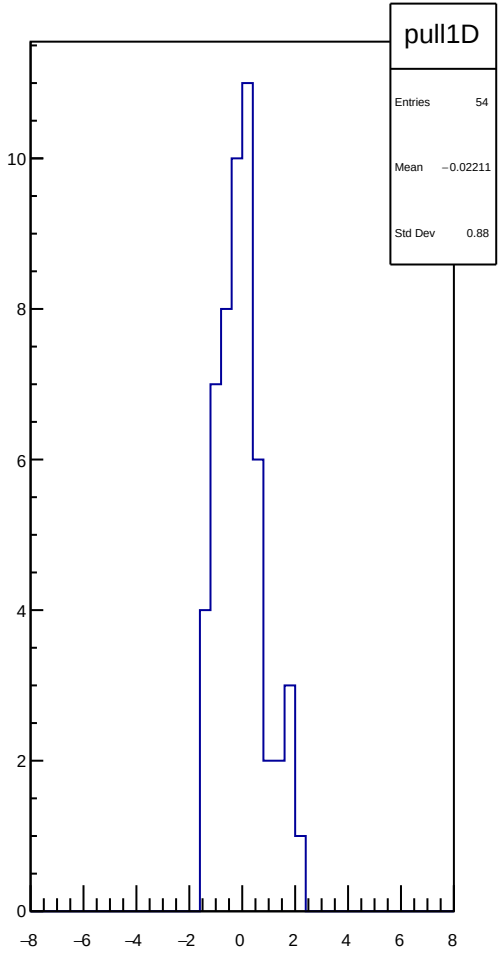

asym_atl1_eigen_cor_correction_rms vs run
χ² / ndf 5370 / 53
p0 1211 ± 1.179
1500
1400
1300
1200
1100
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

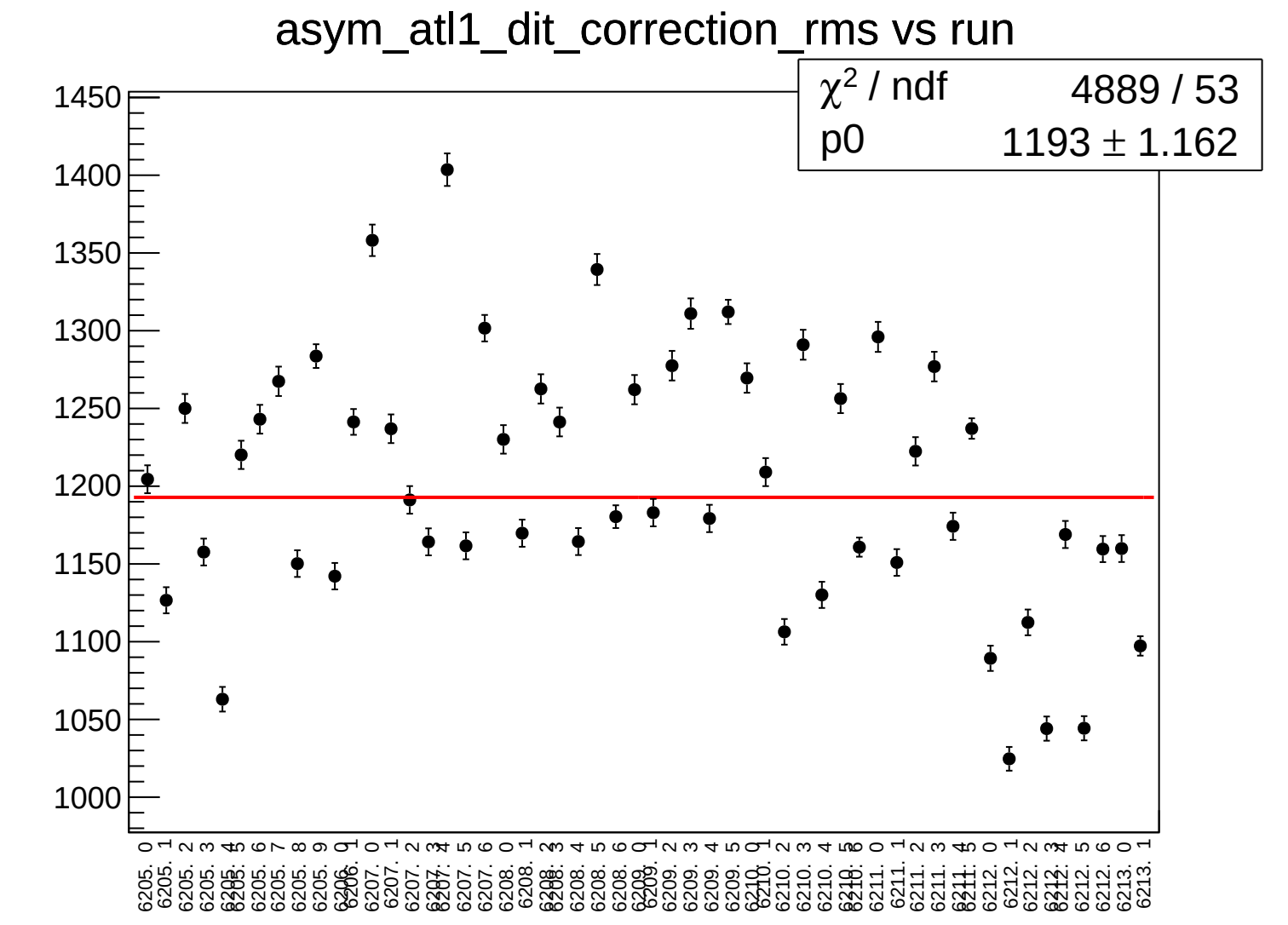

dit_asym_atl1_mean vs run
×10^3
χ^2 / ndf 50.03 / 53
p0 7749 ± 3396
pull
Entries 54
Mean −54.89
Std Dev 0


pull1D
Entries 54
Mean 0.01807
Std Dev 0.9624


dit_asym_atl1_rms vs run
χ² / ndf 61.12 / 53
p0 2472 ± 2.402
2540
2520
2500
2480
2460
2440
2420
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_atl1_dit_correction_mean vs run
χ² / ndf 41.84 / 53
p0 60.06 ± 1643
pull
Entries 54
Mean −4.98
Std Dev 0


pull1D
Entries 54
Mean −0.02211
Std Dev 0.88


asym_atl1_dit_correction_rms vs run
χ² / ndf 4889 / 53
p0 1193 ± 1.162
1450
1400
1350
1300
1250
1200
1150
1100
1050
1000
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
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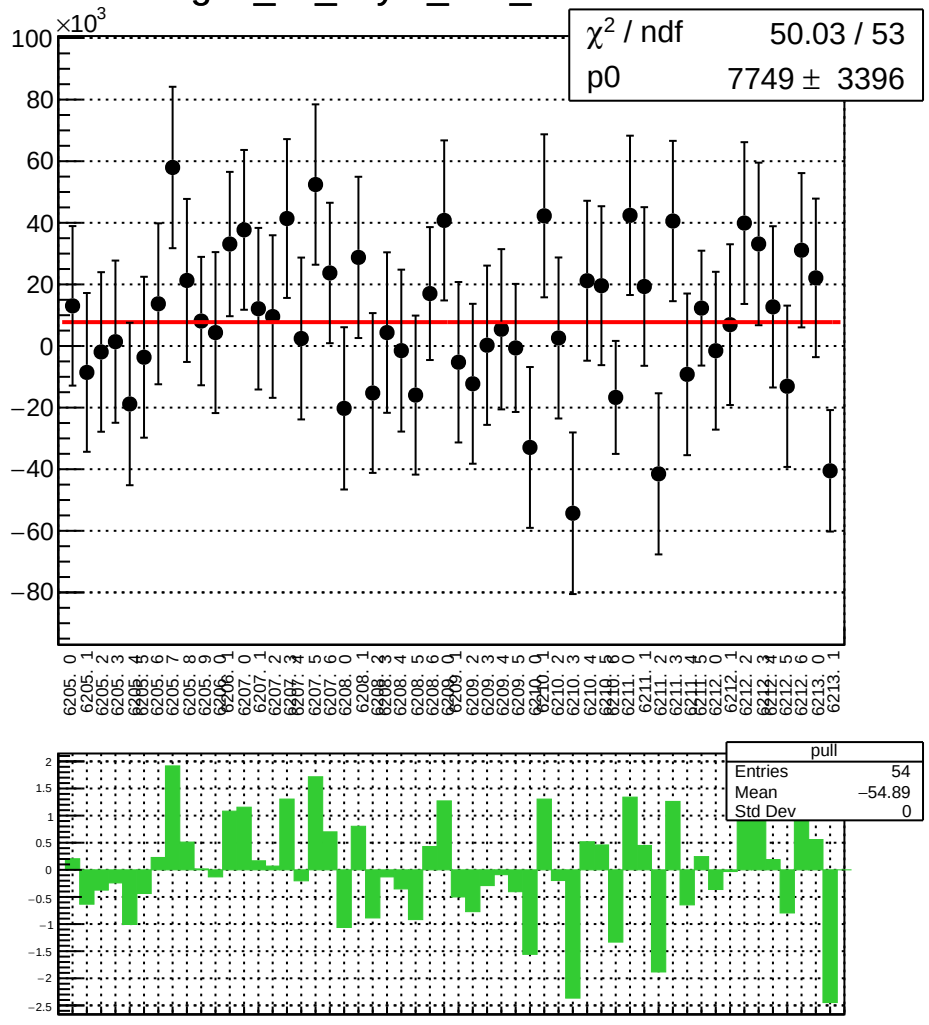
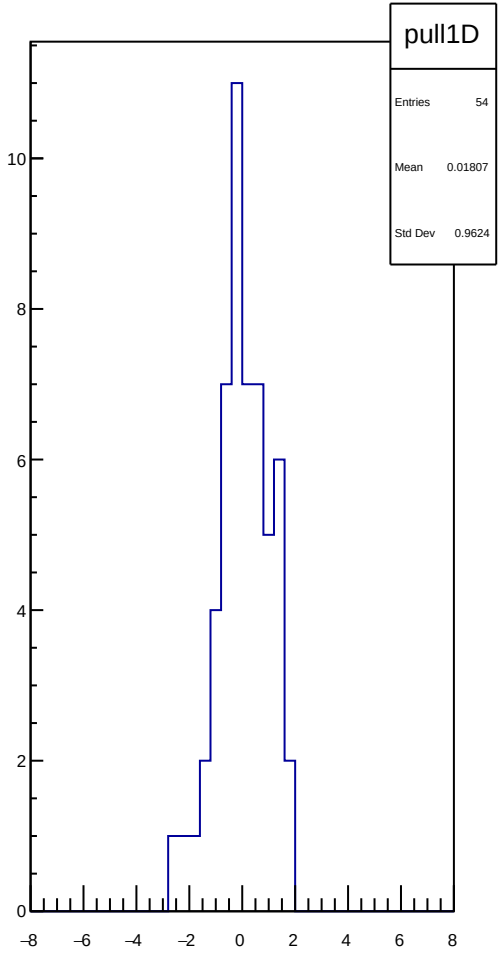
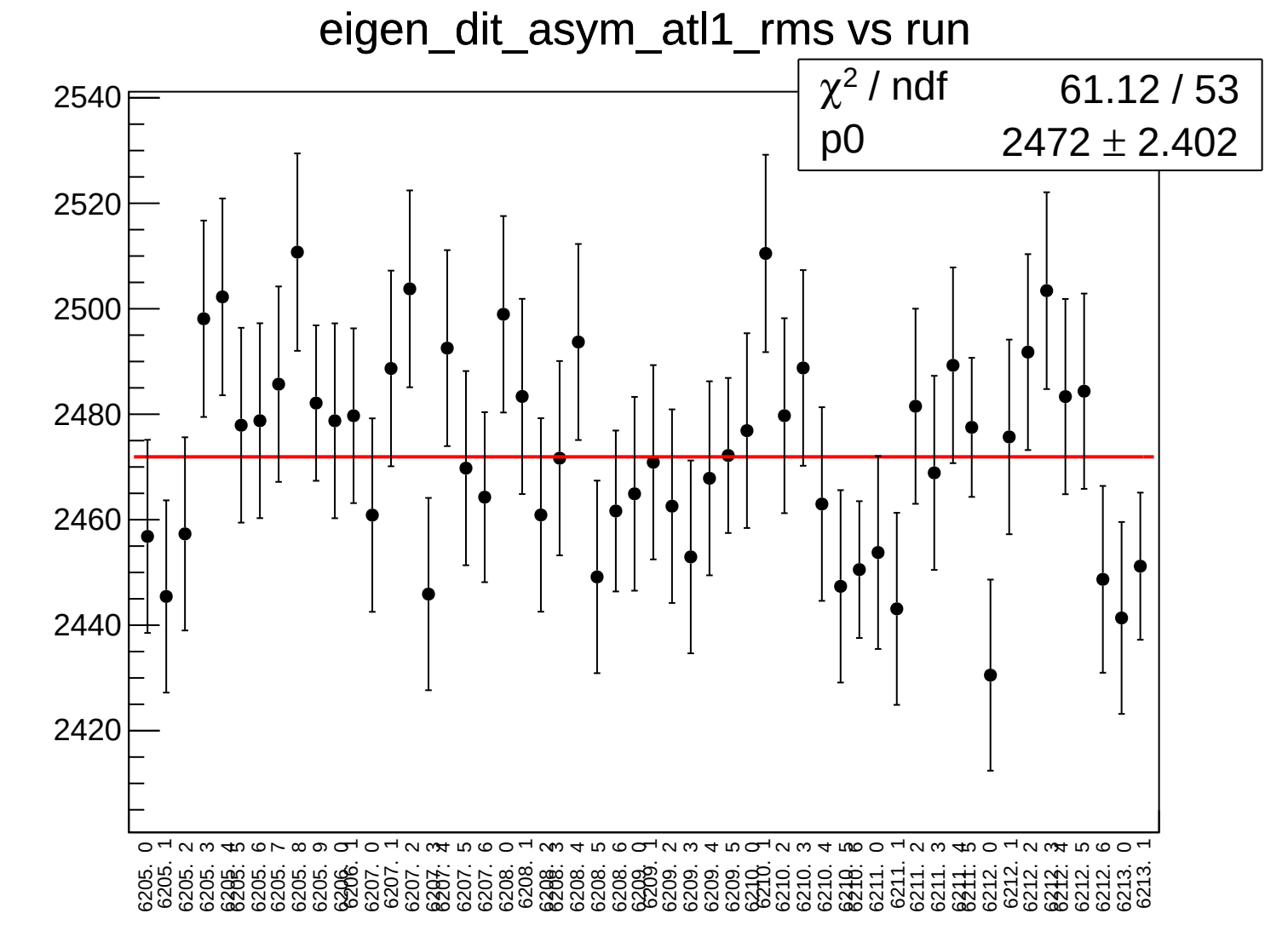
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


eigen_dit_asym_atl1_mean vs run
×10^3
χ^2 / ndf 50.03 / 53
p0 7749 ± 3396
pull
Entries 54
Mean −54.89
Std Dev 0


pull1D
Entries 54
Mean 0.01807
Std Dev 0.9624


eigen_dit_asym_atl1_rms vs run
χ² / ndf 61.12 / 53
p0 2472 ± 2.402
2540
2520
2500
2480
2460
2440
2420
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
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6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
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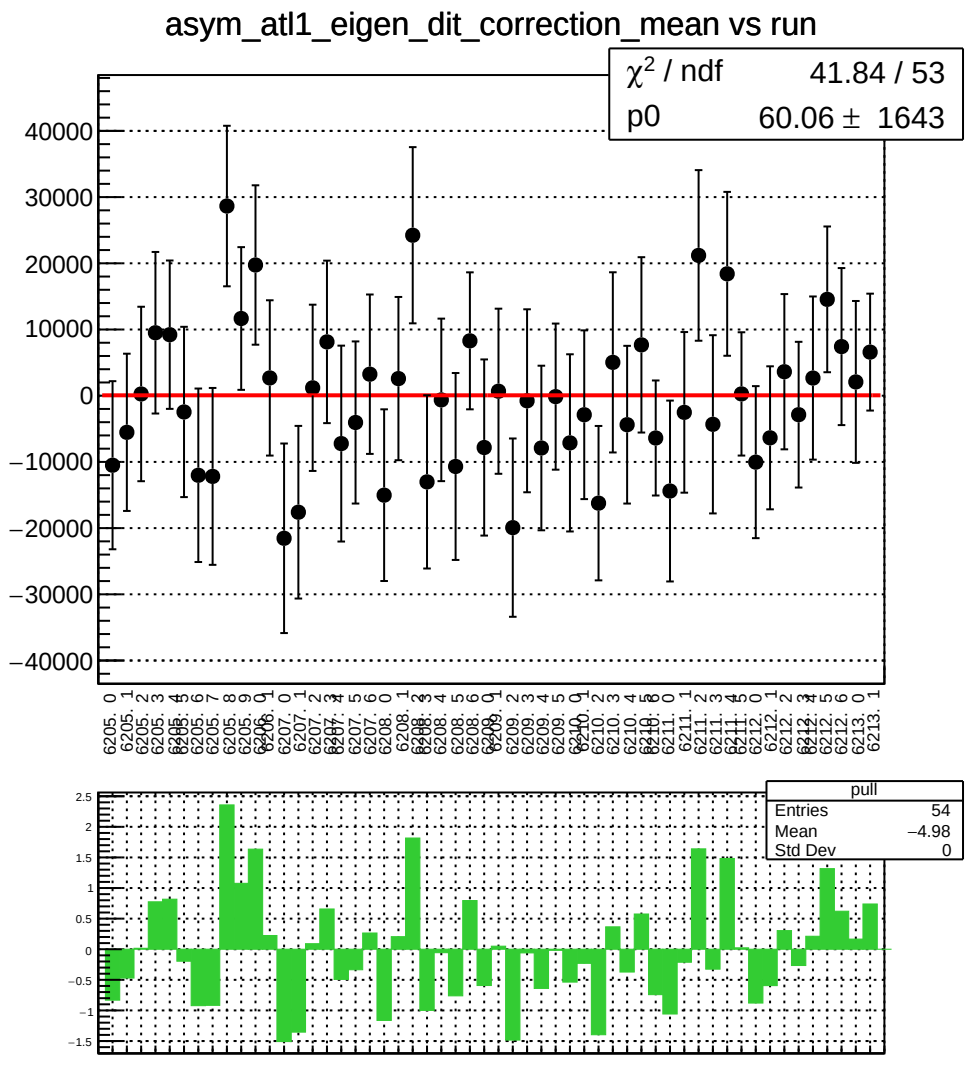
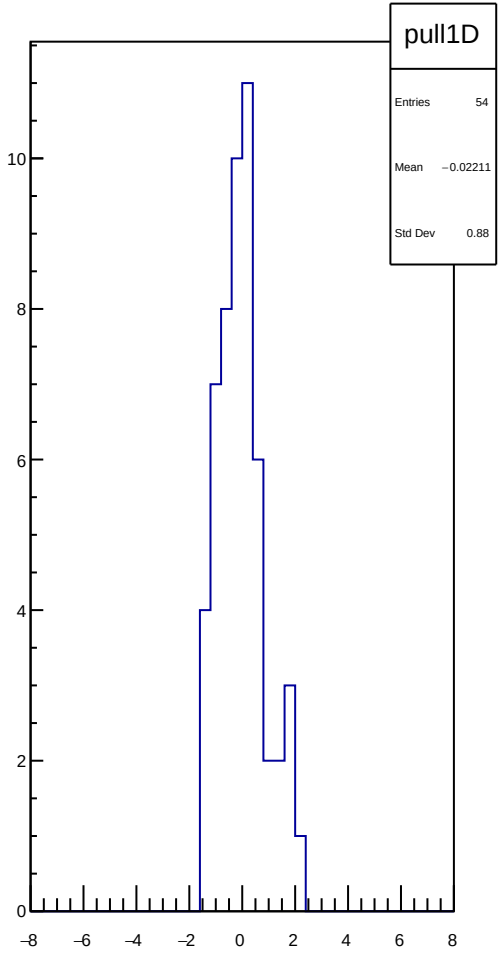
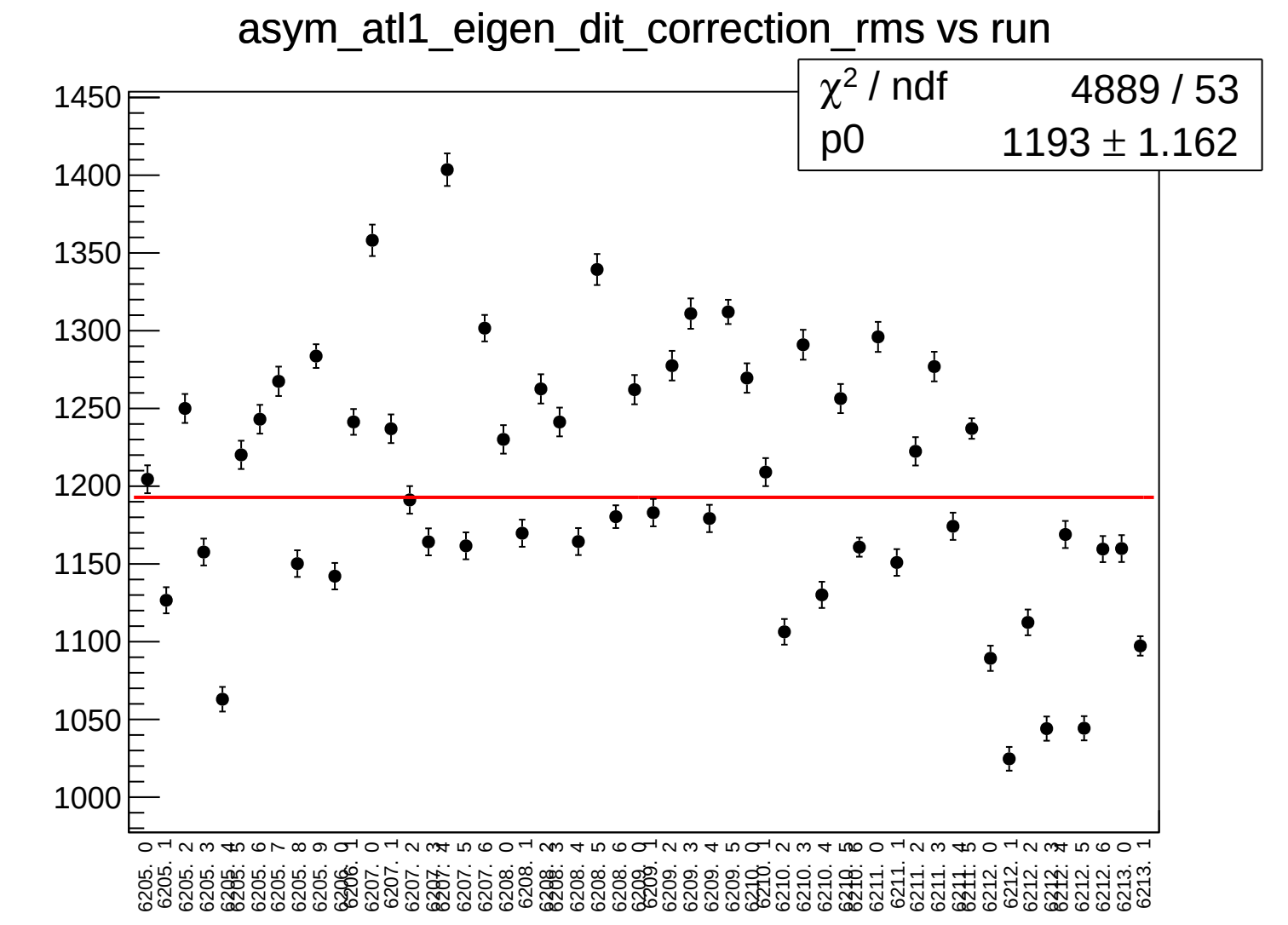
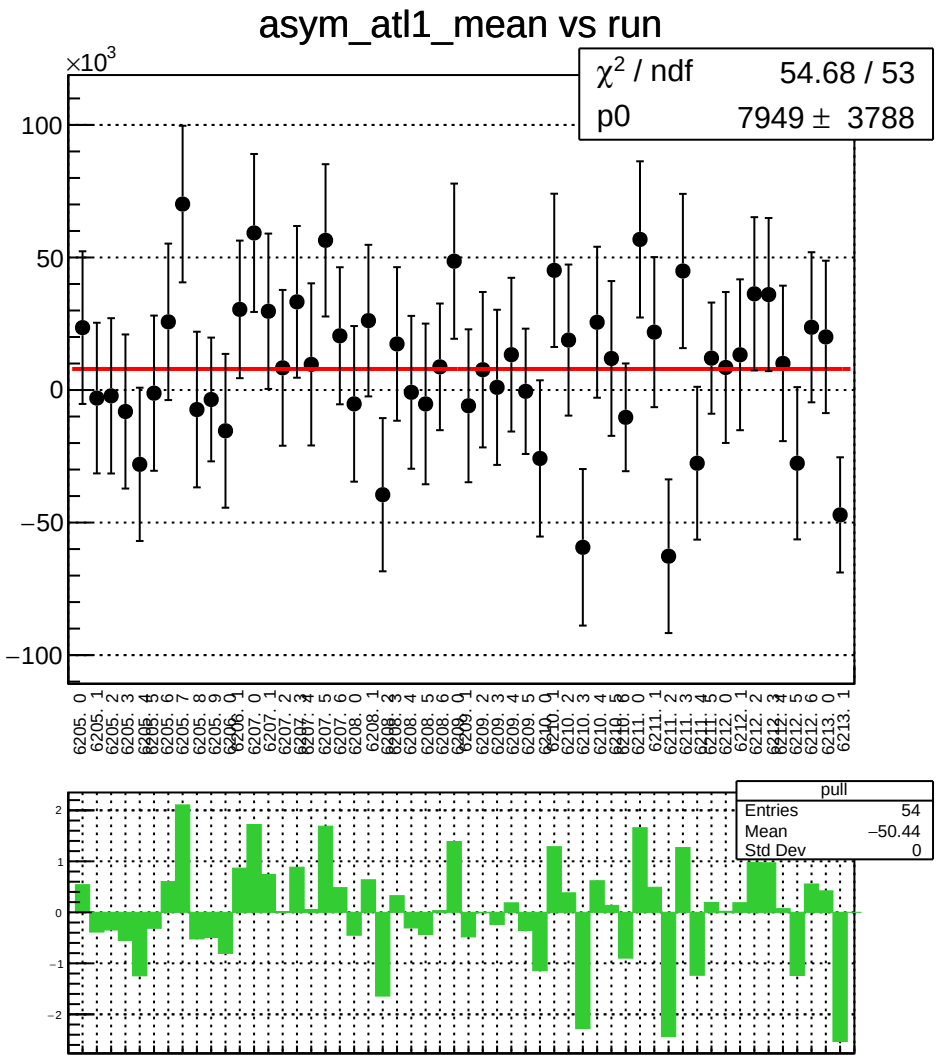
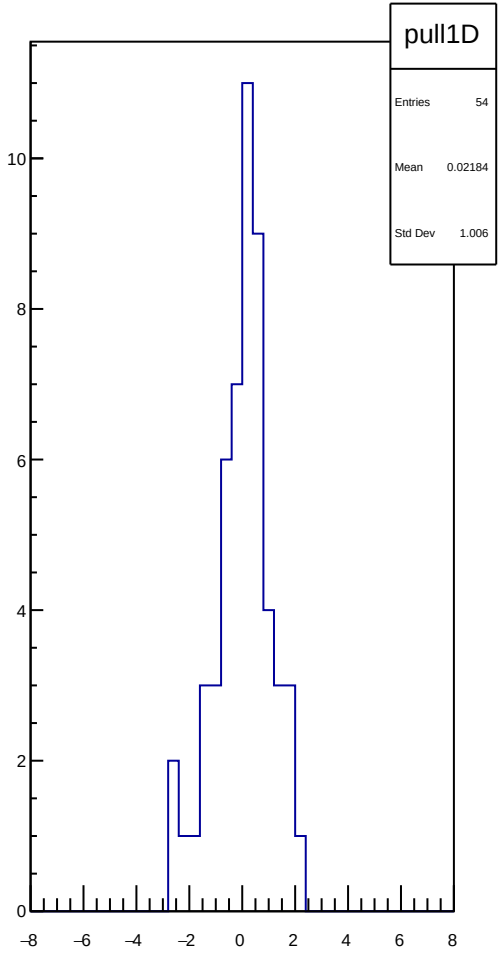
6213. 1

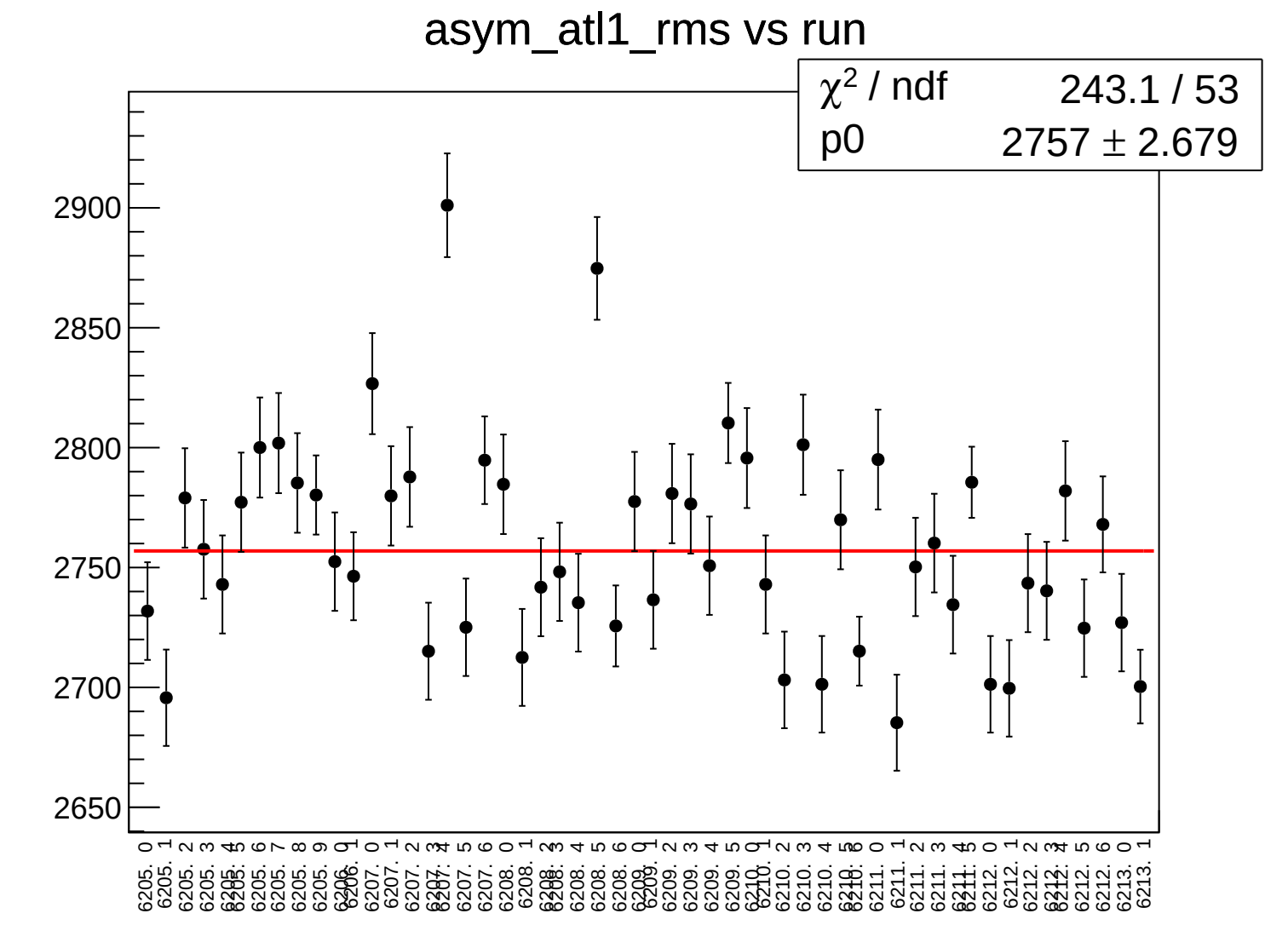

asym_atl1_eigen_dit_correction_mean vs run
χ² / ndf 41.84 / 53
p0 60.06 ± 1643
pull
Entries 54
Mean −4.98
Std Dev 0


pull1D
Entries 54
Mean −0.02211
Std Dev 0.88


asym_atl1_eigen_dit_correction_rms vs run
χ² / ndf 4889 / 53
p0 1193 ± 1.162
1450
1400
1350
1300
1250
1200
1150
1100
1050
1000
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_atl1_mean vs run
×10^3
χ^2 / ndf 54.68 / 53
p0 7949 ± 3788
100
50
0
−50
−100
pull
Entries 54
Mean −50.44
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 54
Mean 0.02184
Std Dev 1.006
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl1_rms vs run
χ² / ndf 243.1 / 53
p0 2757 ± 2.679
2900
2850
2800
2750
2700
2650
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
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6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
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6209. 2
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6209. 4
6209. 5
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6210. 6
6211. 0
6211. 1
6211. 2
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6211. 4
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6212. 2
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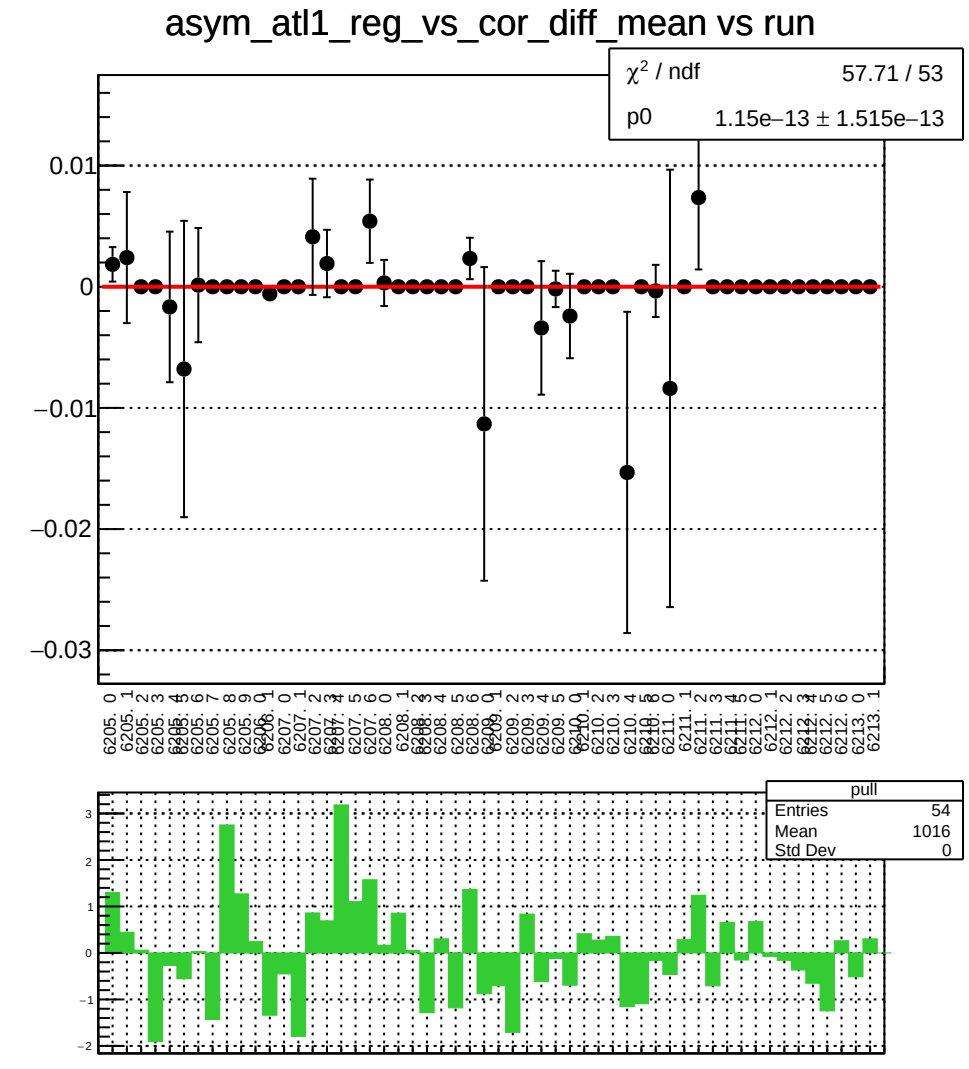
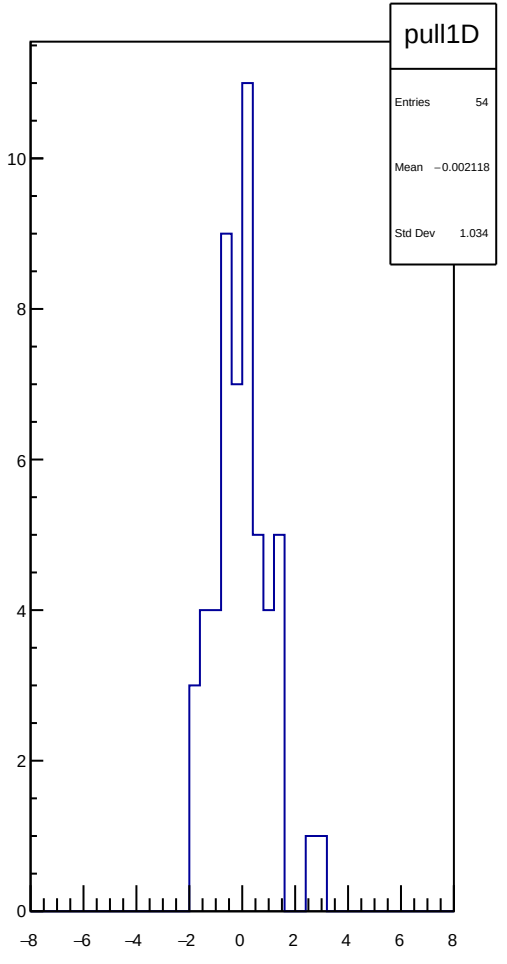
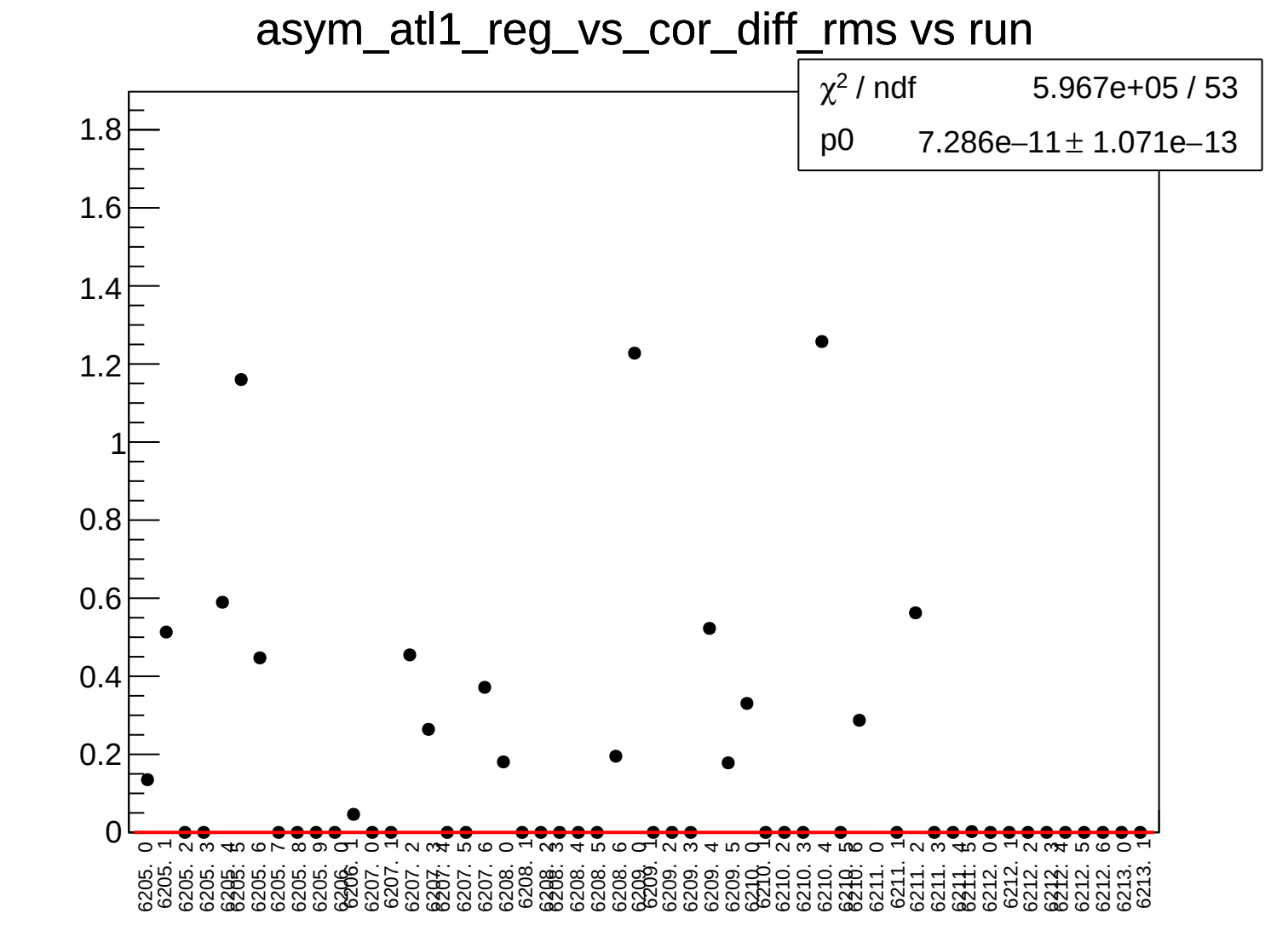
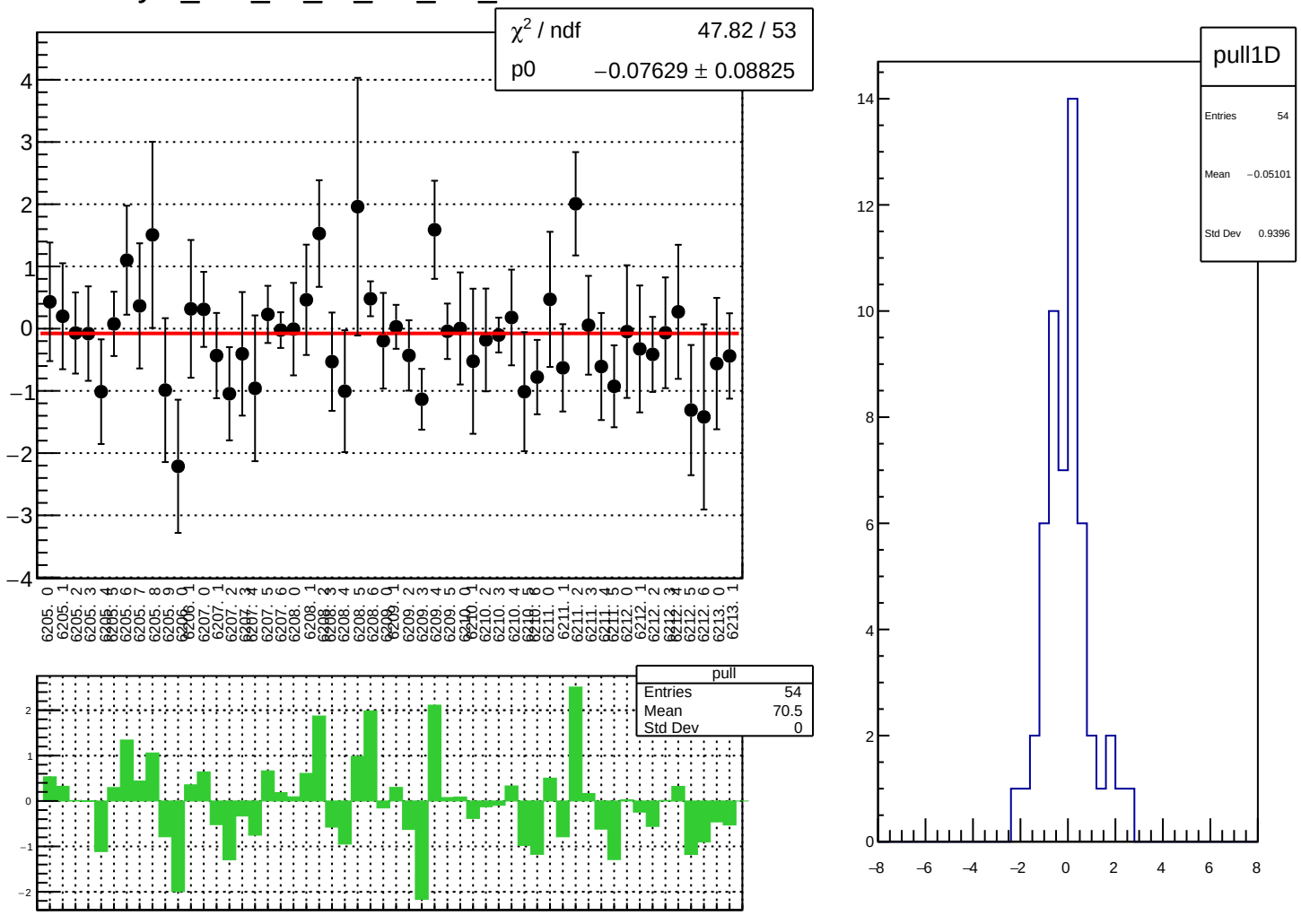
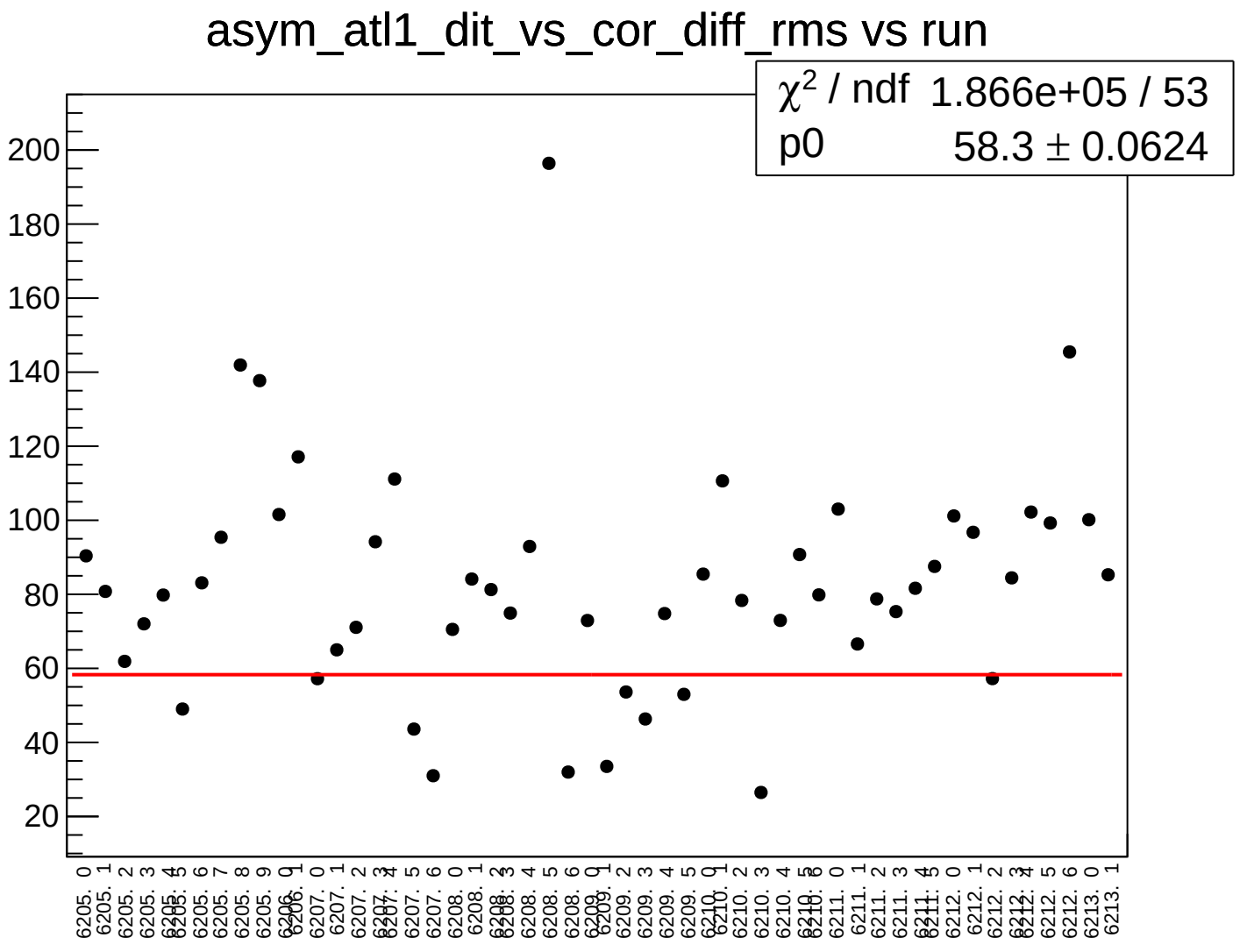
6212. 5
6212. 6
6213. 0
6213. 1

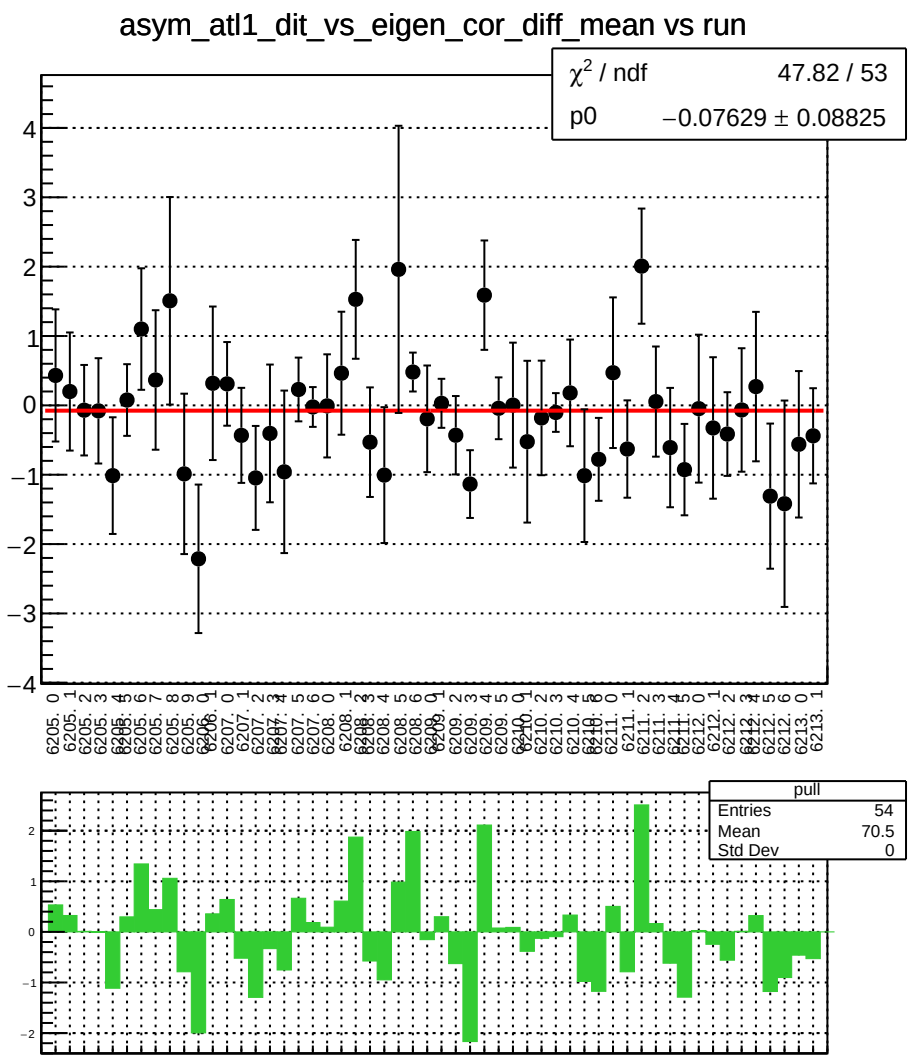

asym_atl1_reg_vs_cor_diff_mean vs run
χ² / ndf 57.71 / 53
p0 1.15e−13 ± 1.515e−13
0.01
0
−0.01
−0.02
−0.03
pull
Entries 54
Mean 1016
Std Dev 0
3
2
1
0
−1
−2

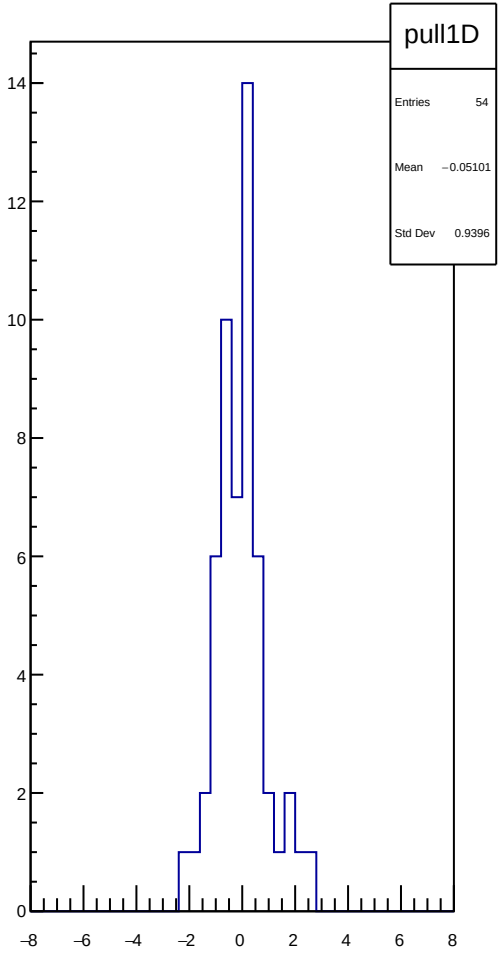

pull1D
Entries 54
Mean −0.002118
Std Dev 1.034
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

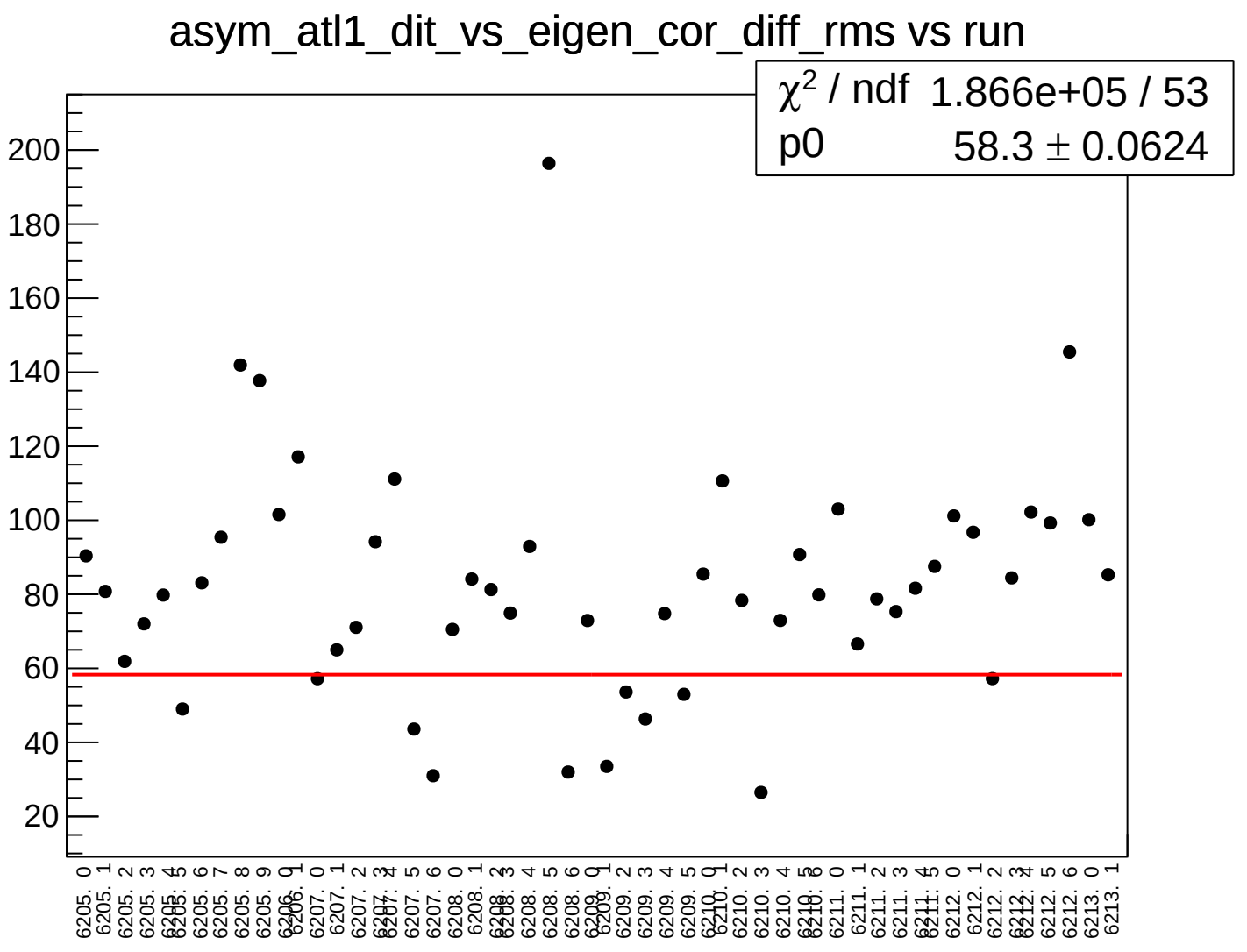

asym_atl1_reg_vs_cor_diff_rms vs run
χ² / ndf 5.967e+05 / 53
p0 7.286e−11 ± 1.071e−13
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 4
6208. 5
6208. 6
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 6
6213. 0
6213. 1

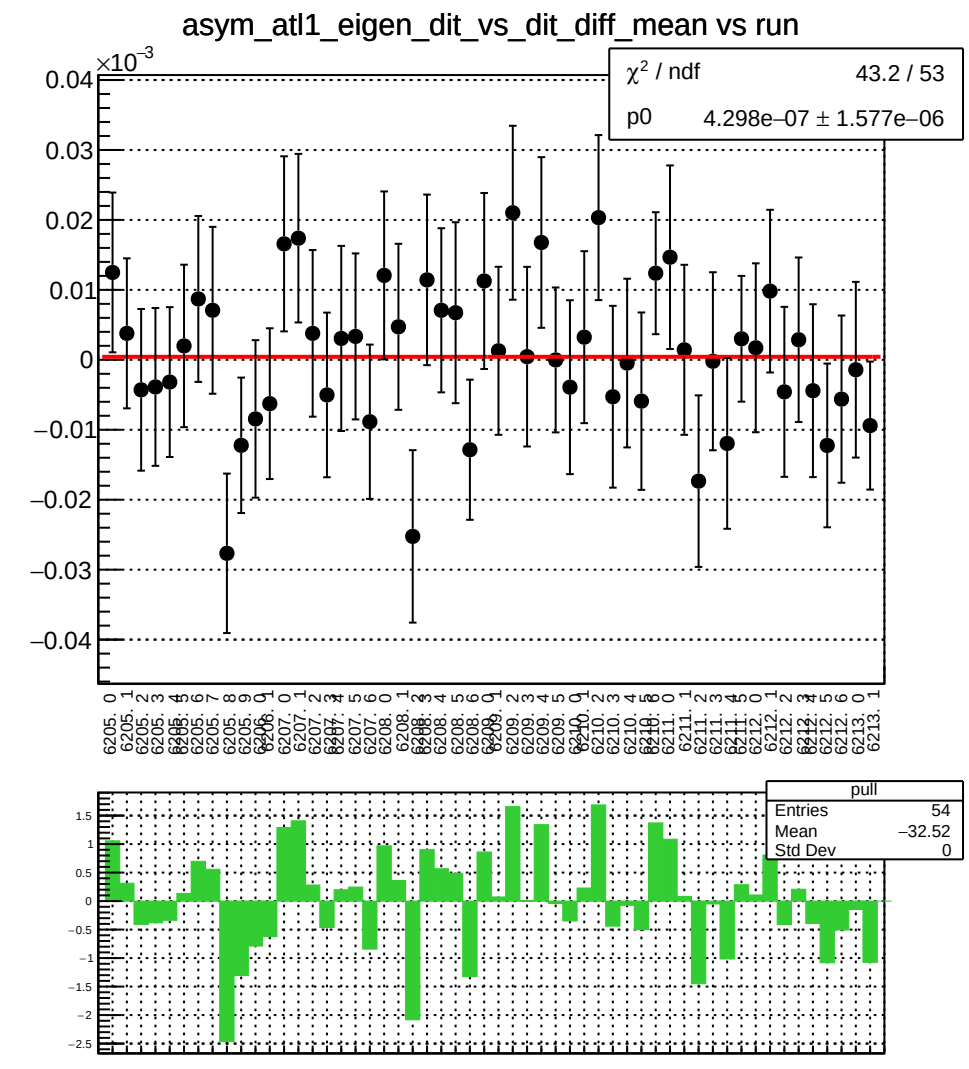

asym_atl1_dit_vs_cor_diff_mean vs run
χ² / ndf 47.82 / 53
p0 −0.07629 ± 0.08825
pull
Entries 54
Mean 70.5
Std Dev 0
pull1D
Entries 54
Mean −0.05101
Std Dev 0.9396

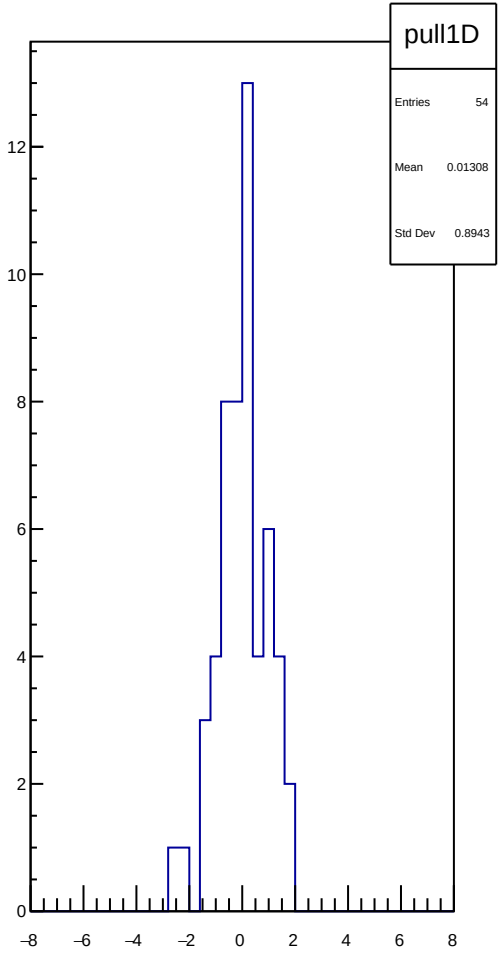

asym_atl1_dit_vs_cor_diff_rms vs run
χ² / ndf 1.866e+05 / 53
p0 58.3 ± 0.0624
200
180
160
140
120
100
80
60
40
20
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

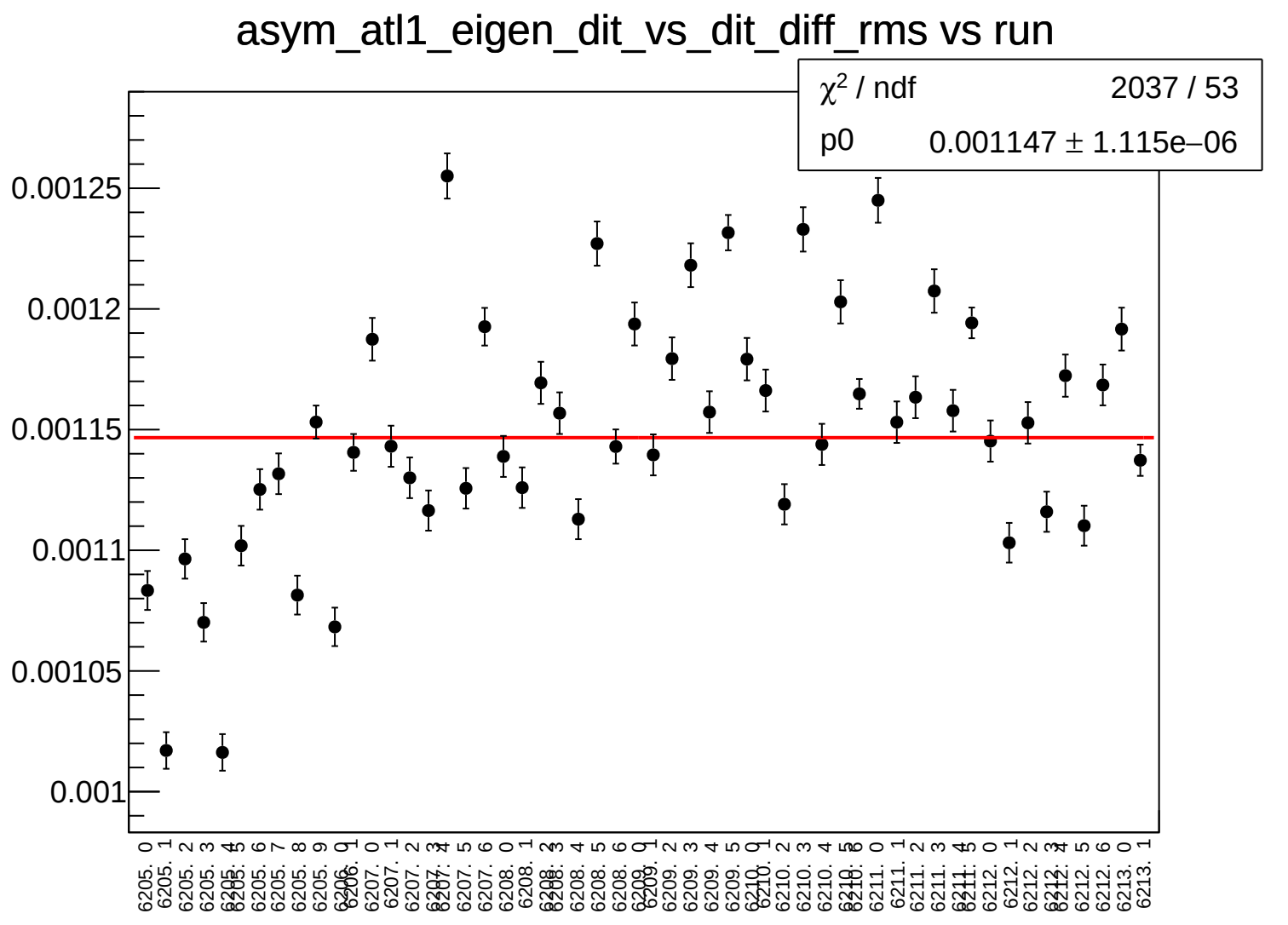

asym_atl1_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 47.82 / 53
p0 −0.07629 ± 0.08825
pull
Entries 54
Mean 70.5
Std Dev 0

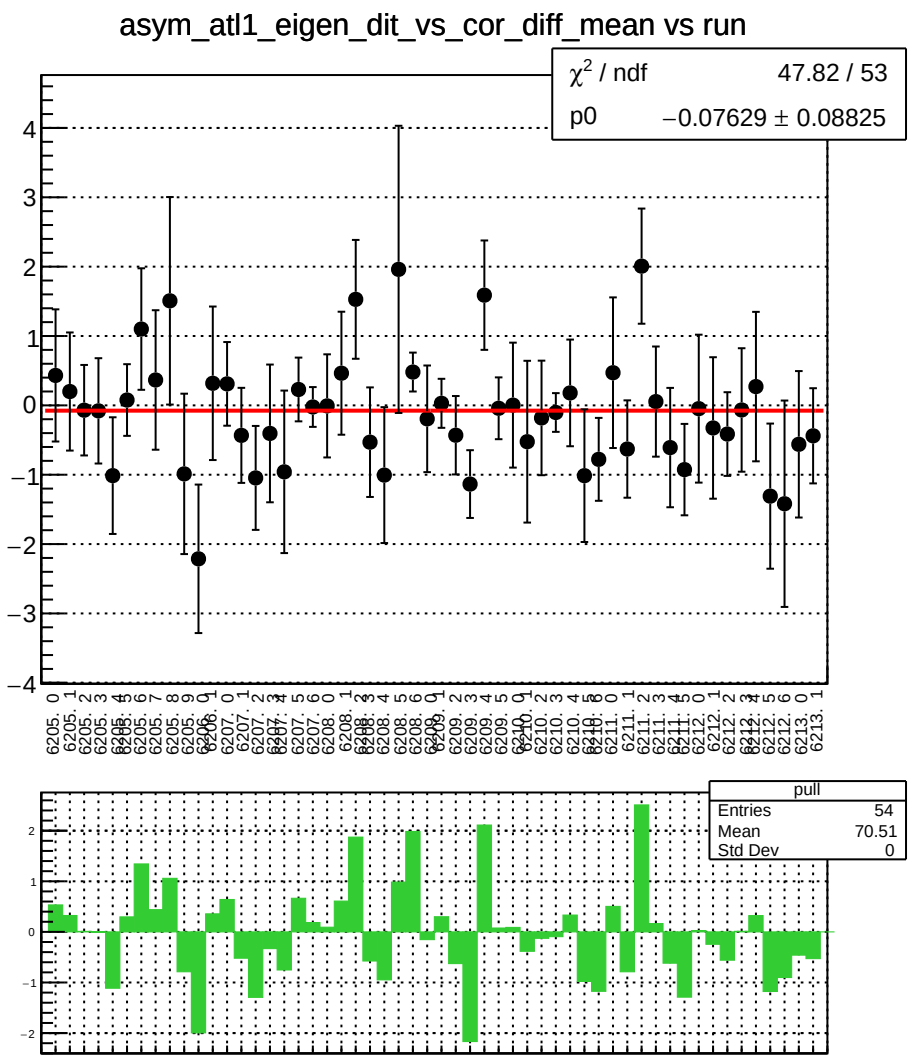

pull1D
Entries 54
Mean −0.05101
Std Dev 0.9396

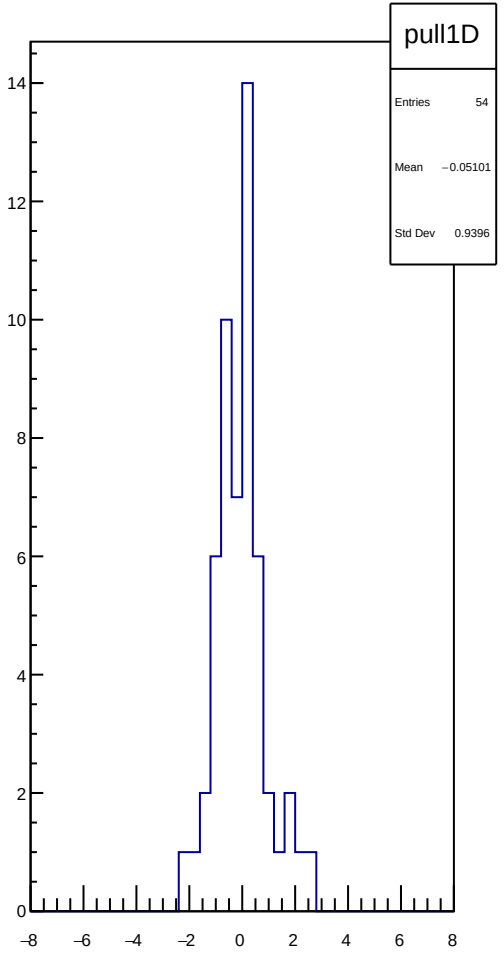

asym_atl1_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 1.866e+05 / 53
p0 58.3 ± 0.0624
200
180
160
140
120
100
80
60
40
20
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

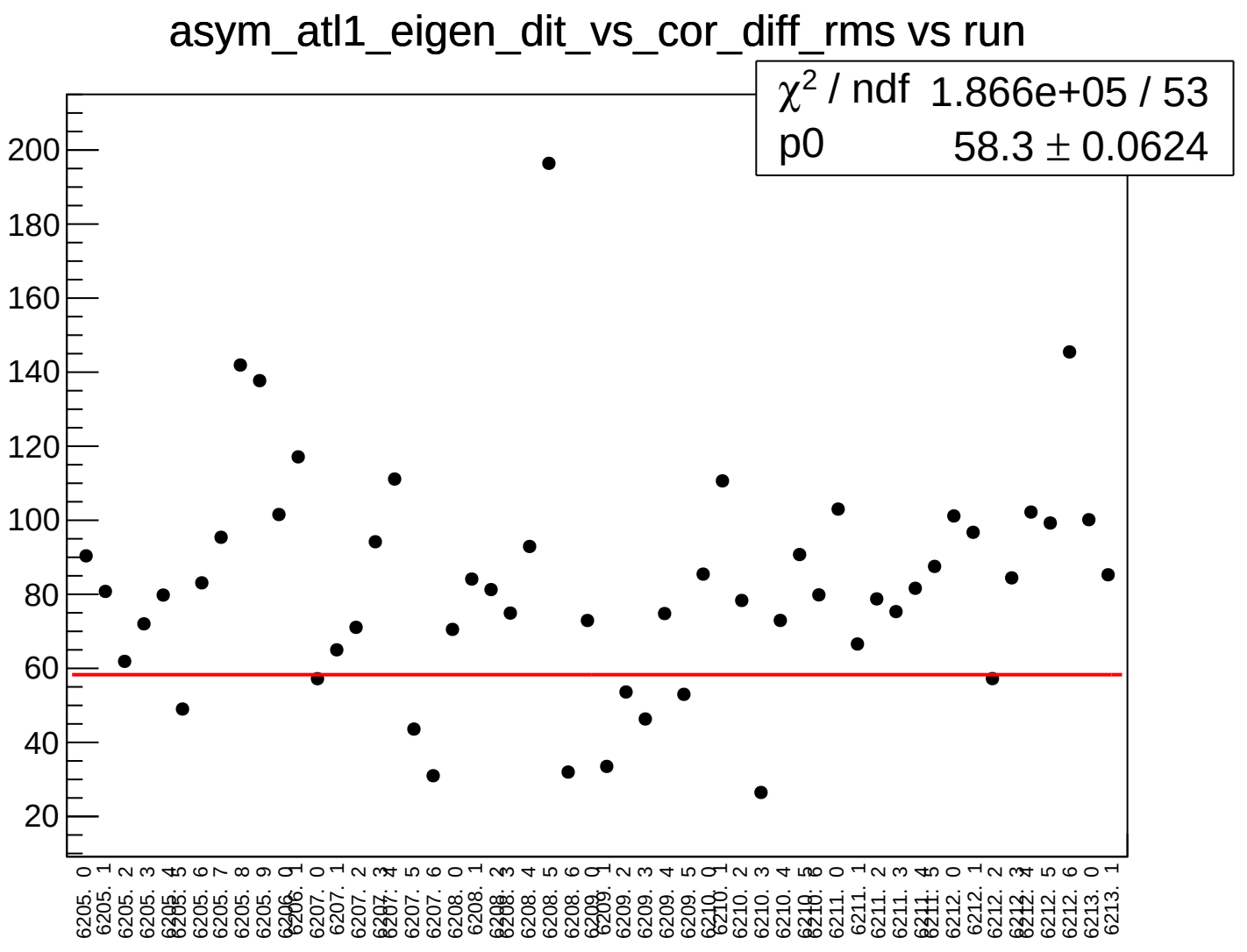

asym_atl1_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 43.2 / 53
p0 4.298e−07 ± 1.577e−06
pull
Entries 54
Mean −32.52
Std Dev 0

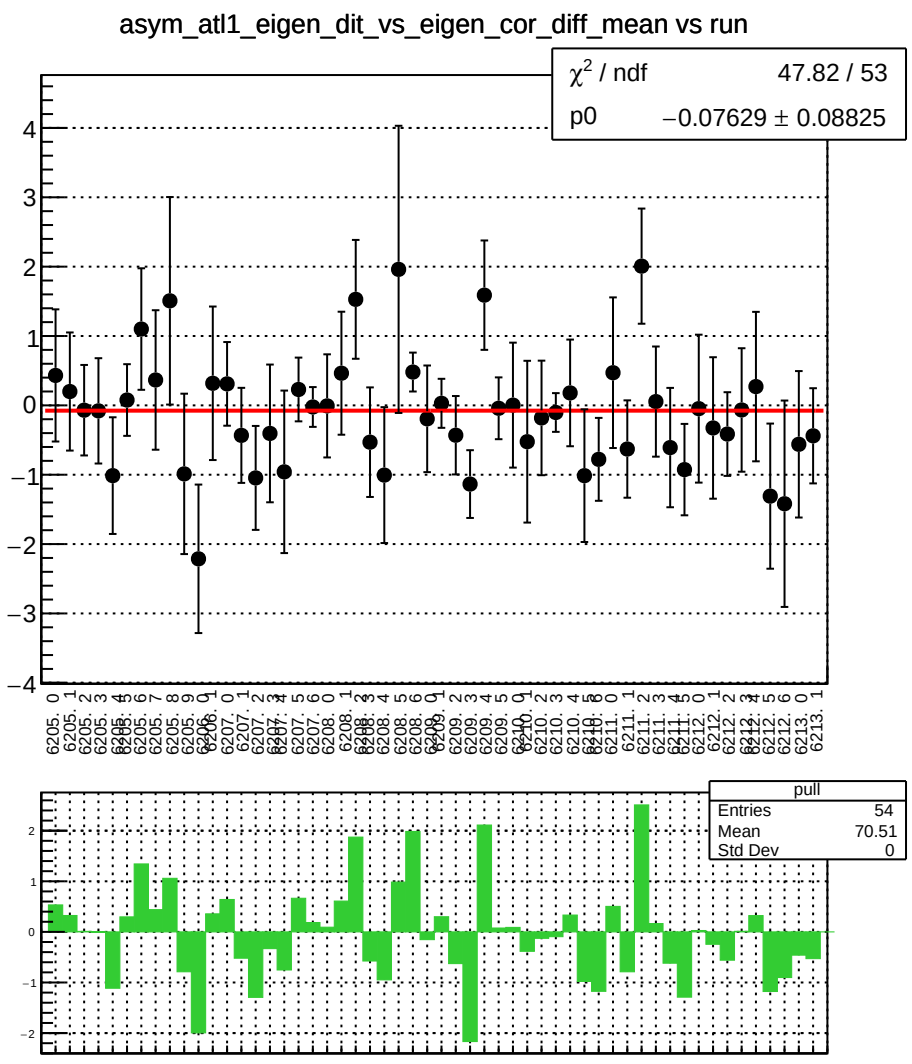

pull1D
Entries 54
Mean 0.01308
Std Dev 0.8943

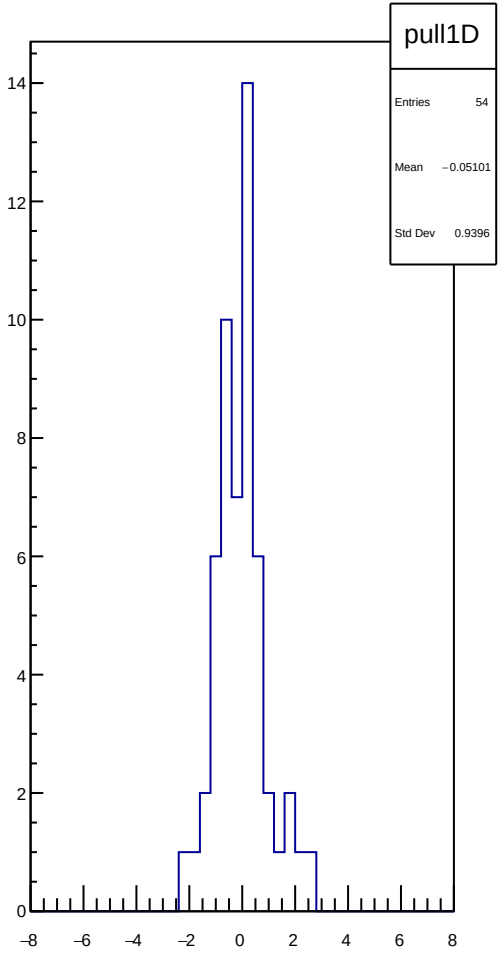

asym_atl1_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2037 / 53
p0 0.001147 ± 1.115e−06
0.00125
0.0012
0.00115
0.0011
0.00105
0.001
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

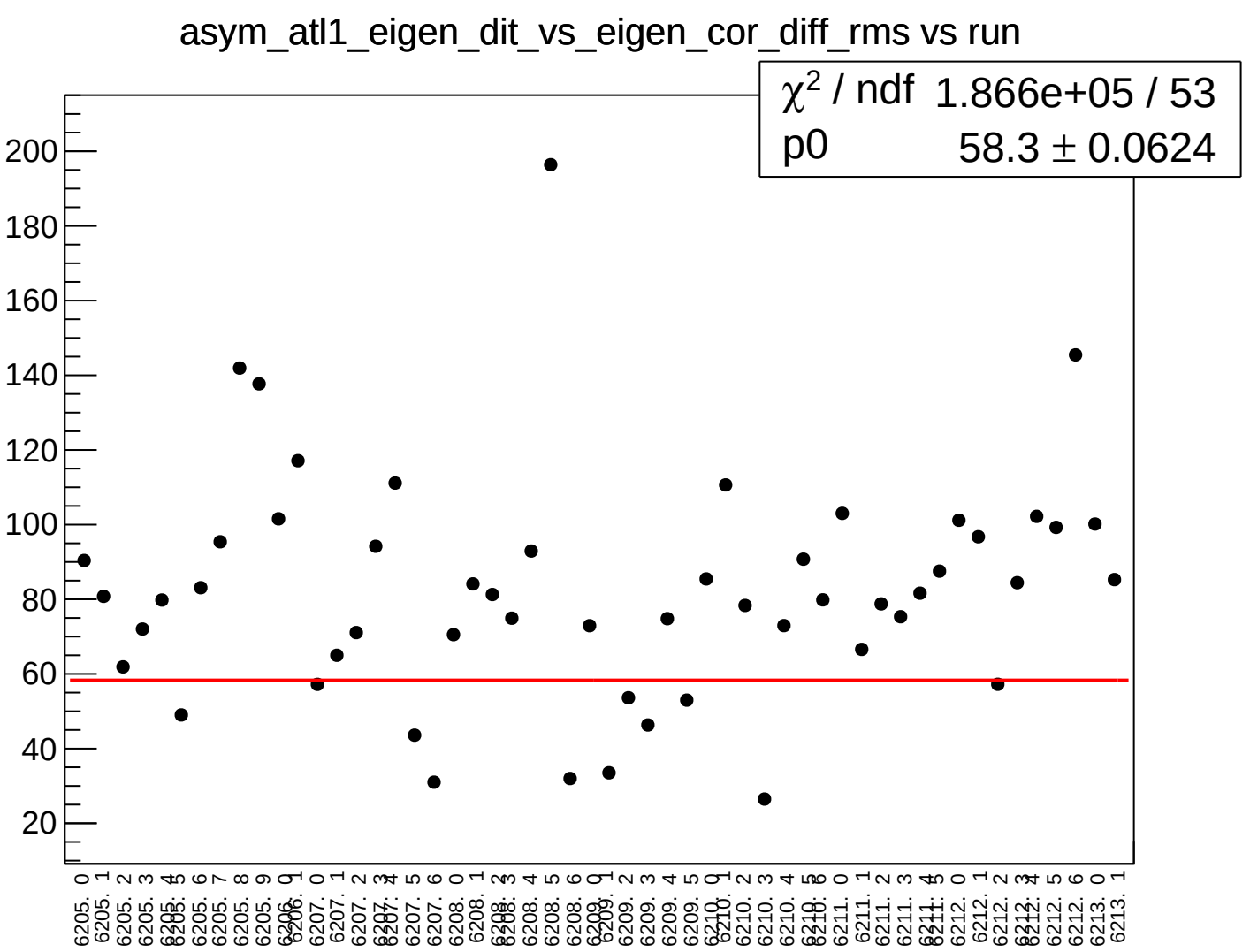

asym_atl1_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 47.82 / 53
p0 −0.07629 ± 0.08825
pull
Entries 54
Mean 70.51
Std Dev 0

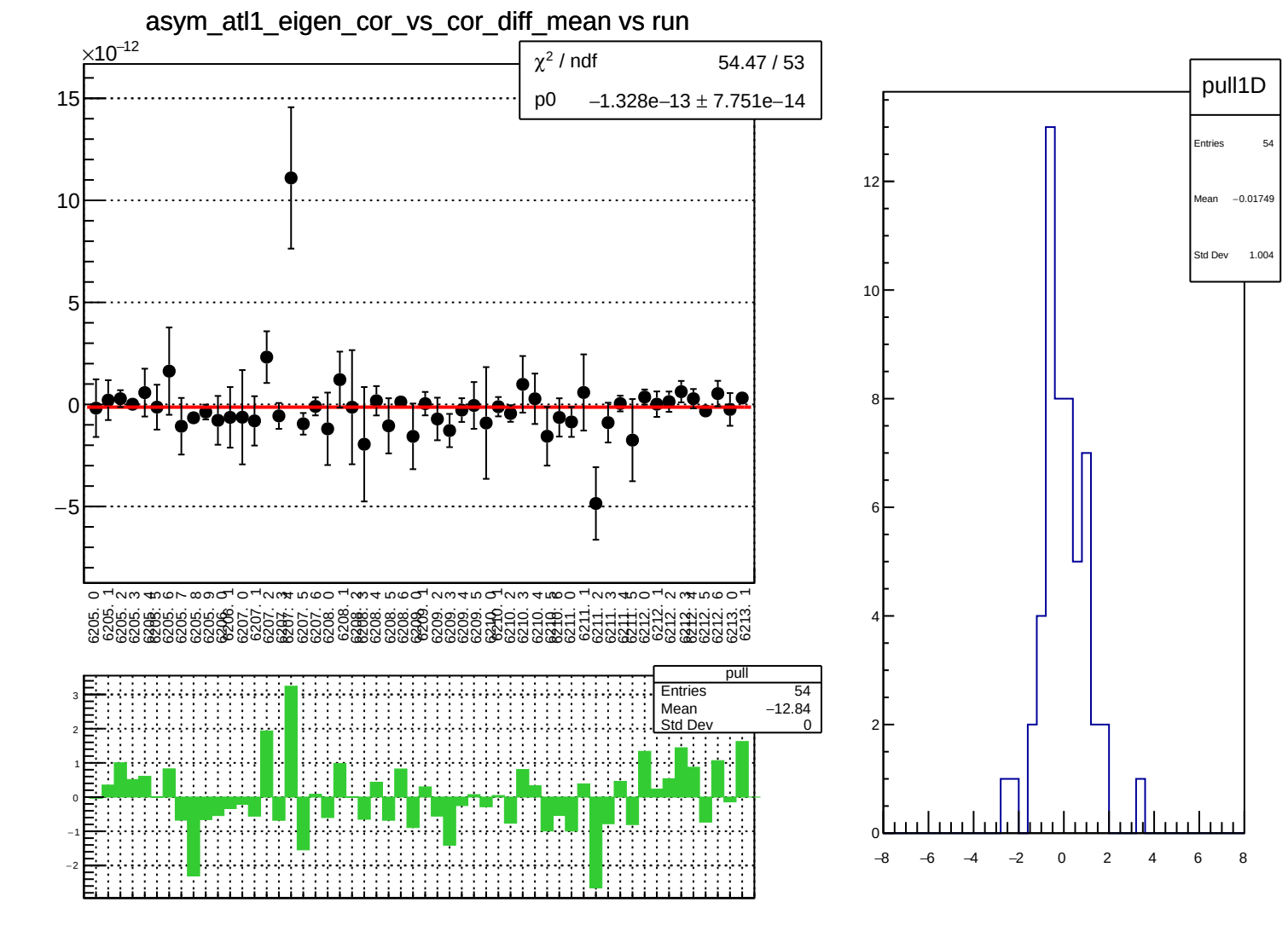

pull1D
Entries 54
Mean −0.05101
Std Dev 0.9396

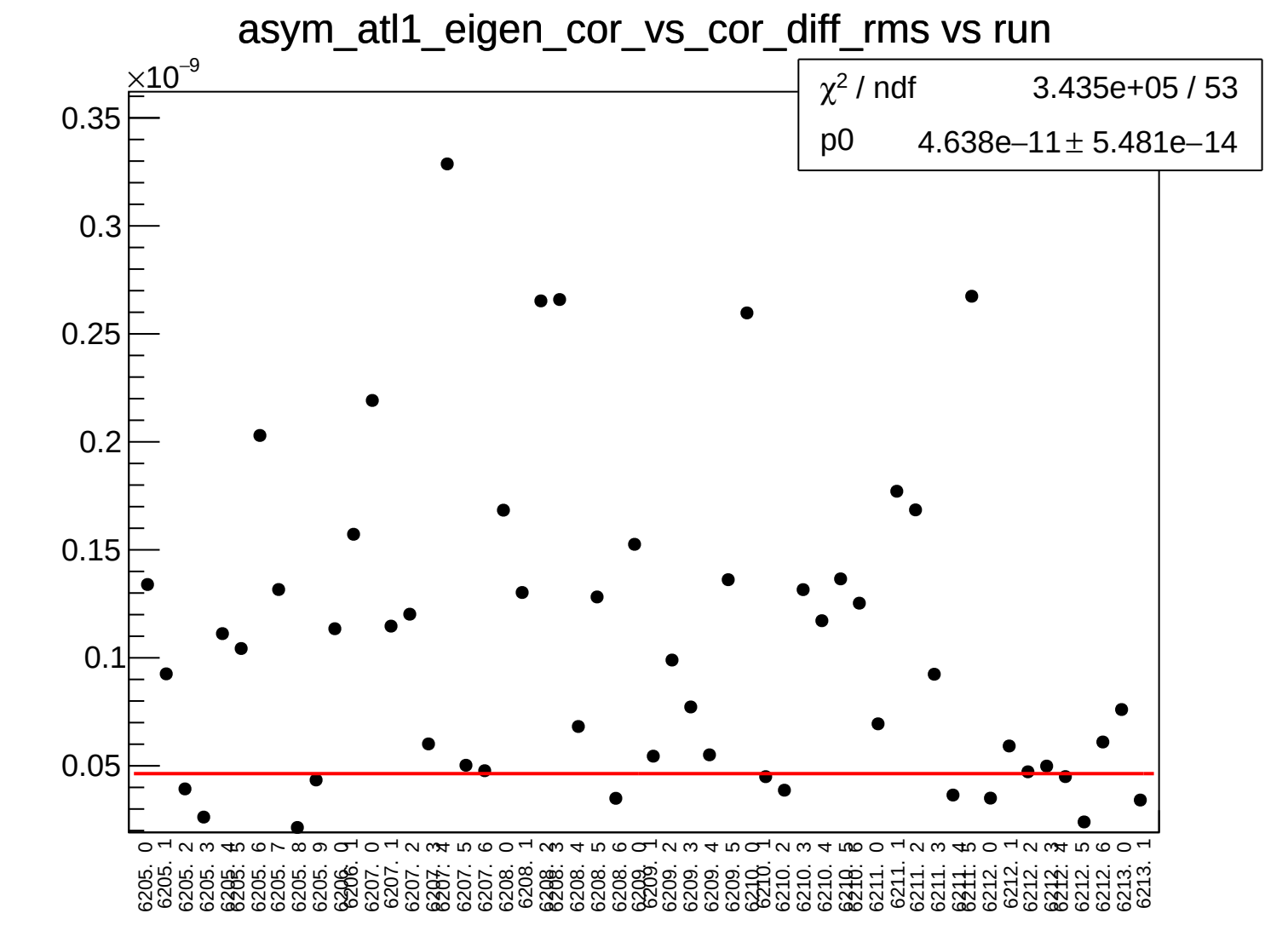

asym_atl1_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.866e+05 / 53
p0 58.3 ± 0.0624
200
180
160
140
120
100
80
60
40
20
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

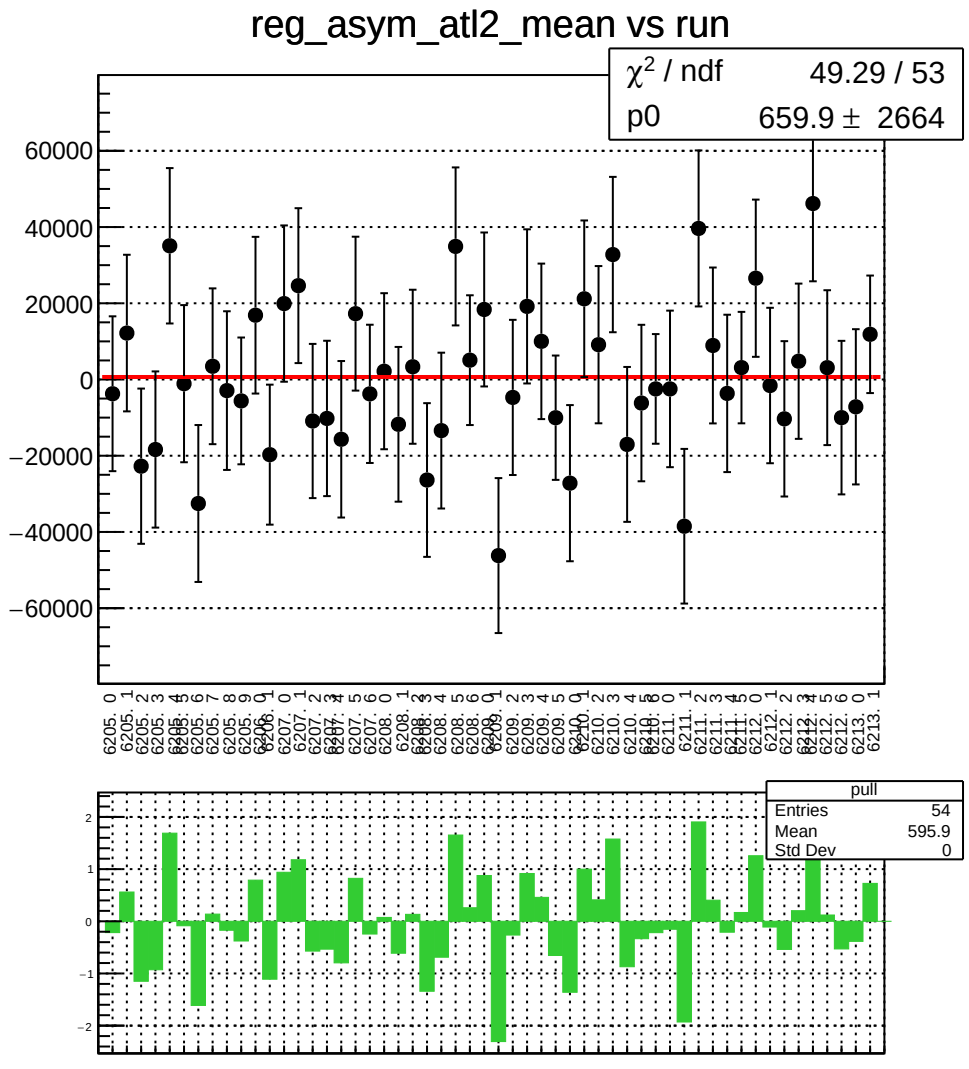

asym_atl1_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 47.82 / 53
p0 −0.07629 ± 0.08825
pull
Entries 54
Mean 70.51
Std Dev 0

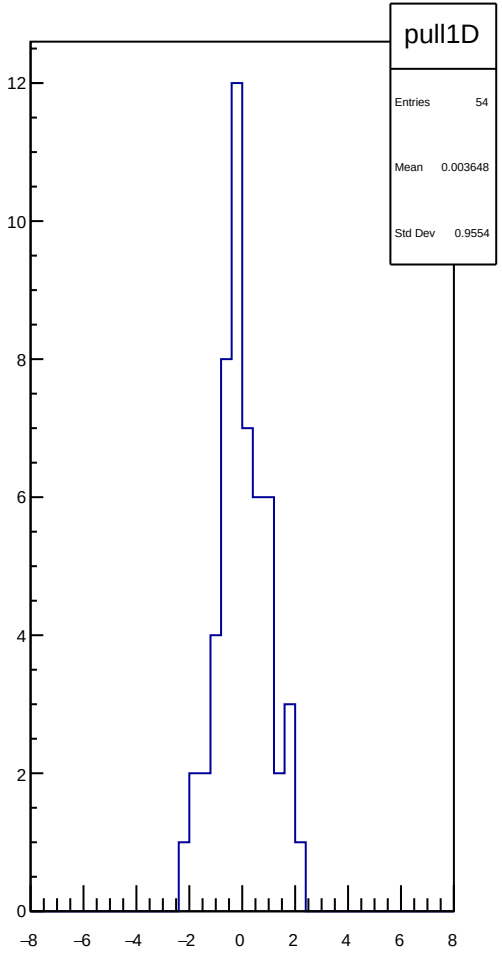

pull1D
Entries 54
Mean −0.05101
Std Dev 0.9396

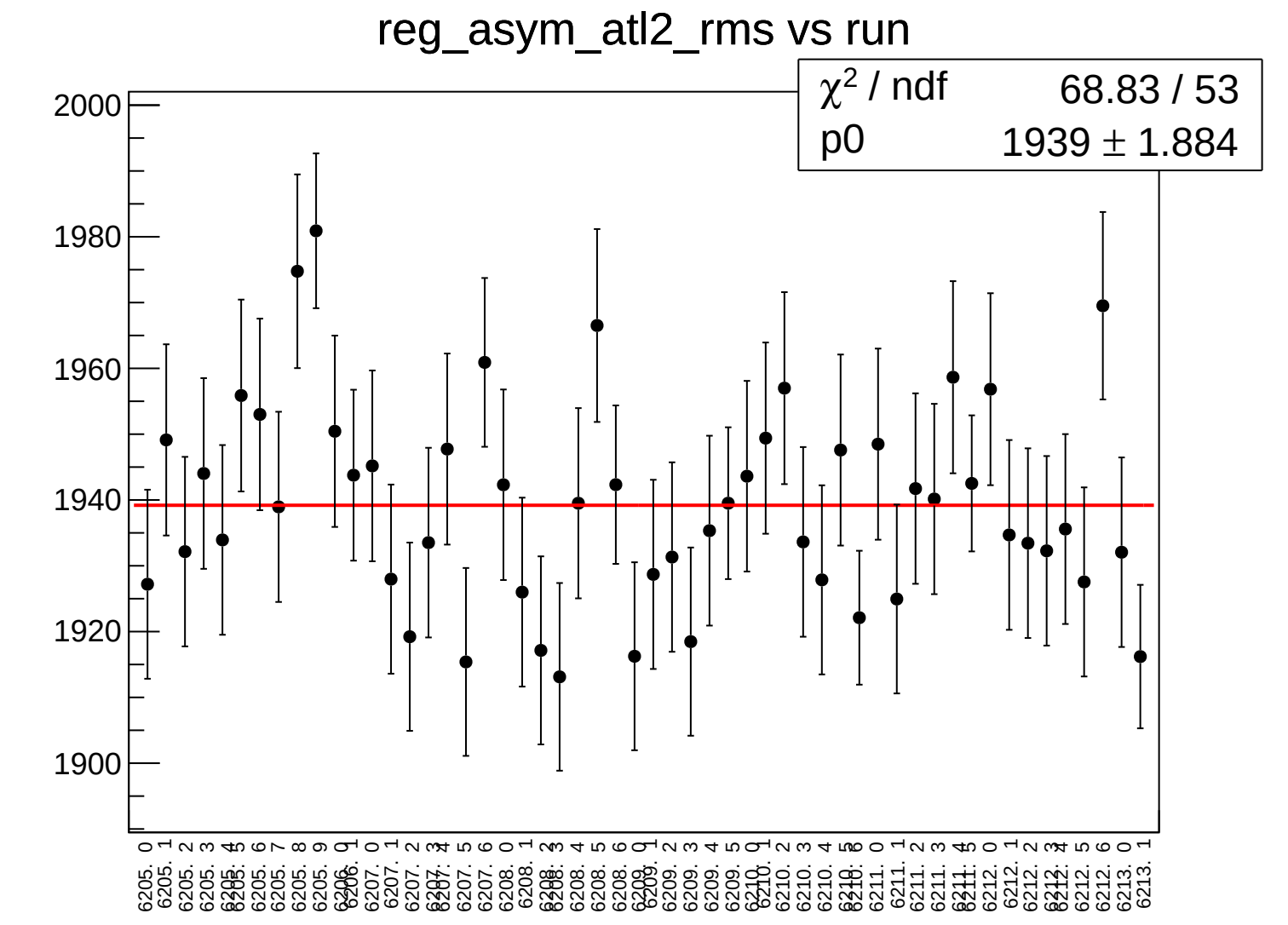

asym_atl1_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.866e+05 / 53
p0 58.3 ± 0.0624
200
180
160
140
120
100
80
60
40
20
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

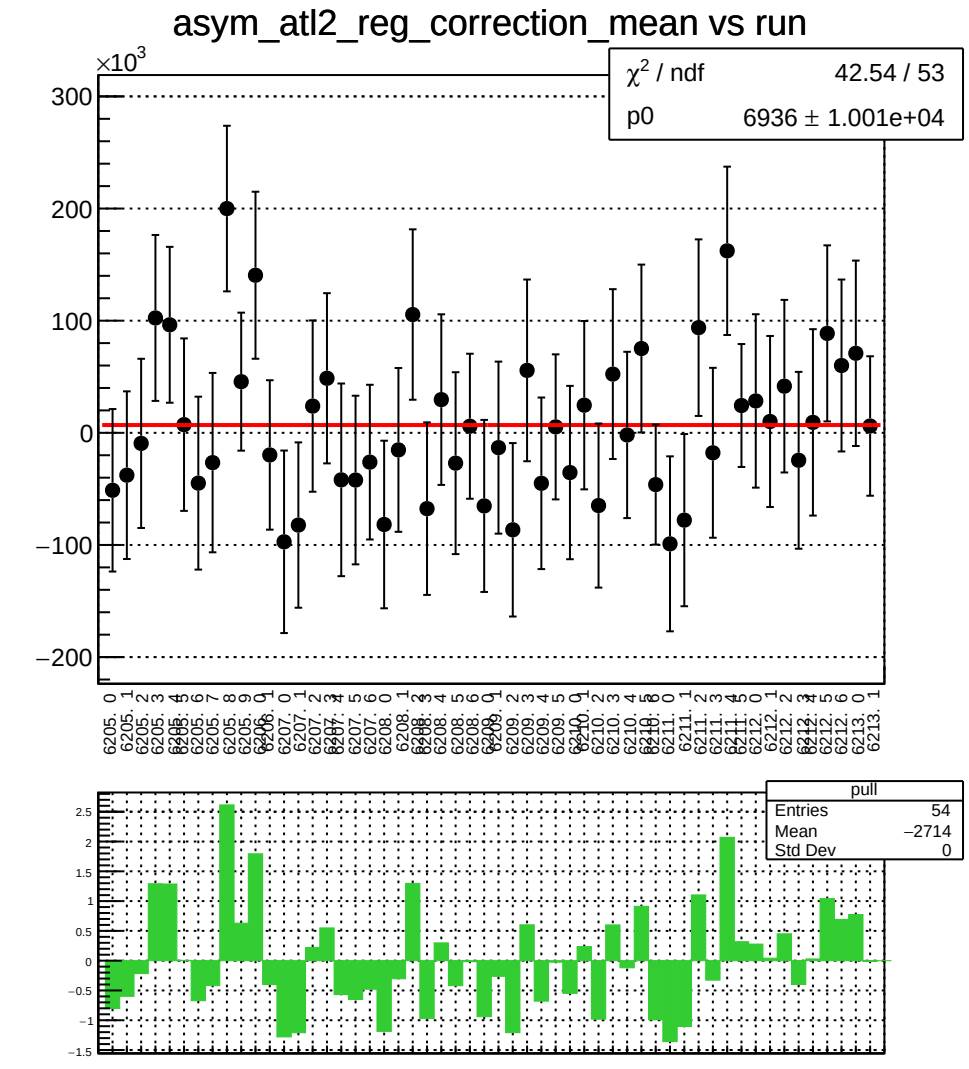

asym_atl1_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 54.47 / 53
p0 −1.328e−13 ± 7.751e−14
15
10
5
0
−5
pull
Entries 54
Mean −12.84
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 54
Mean −0.01749
Std Dev 1.004
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

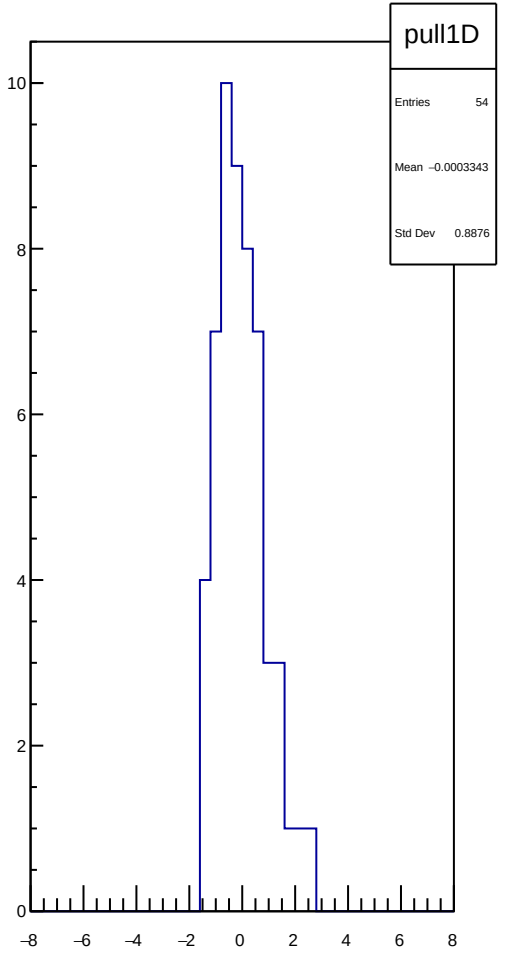

asym_atl1_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.435e+05 / 53
p0 4.638e−11 ± 5.481e−14
0.35
0.3
0.25
0.2
0.15
0.1
0.05
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6211. 5
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

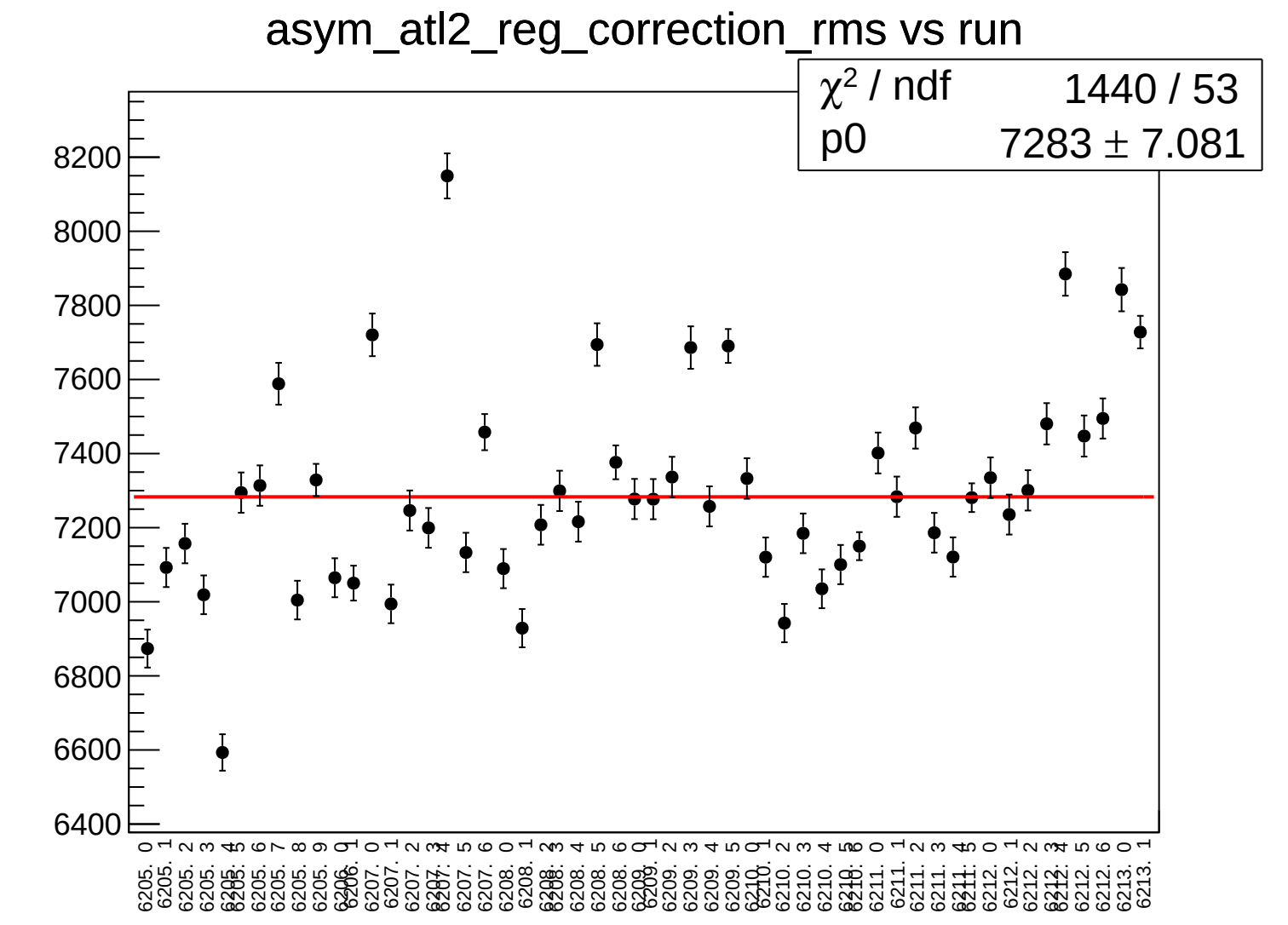

reg_asym_atl2_mean vs run
χ² / ndf 49.29 / 53
p0 659.9 ± 2664
pull
Entries 54
Mean 595.9
Std Dev 0

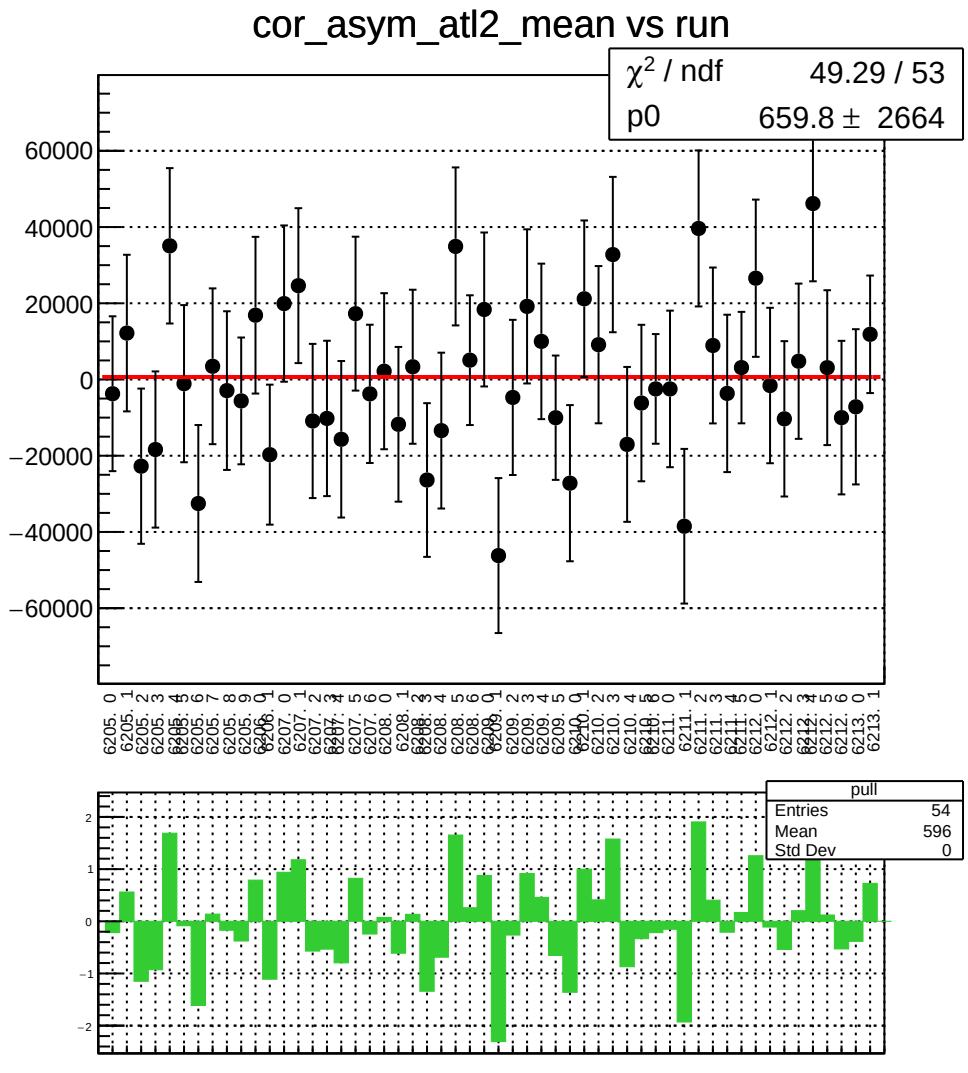

pull1D
Entries 54
Mean 0.003648
Std Dev 0.9554

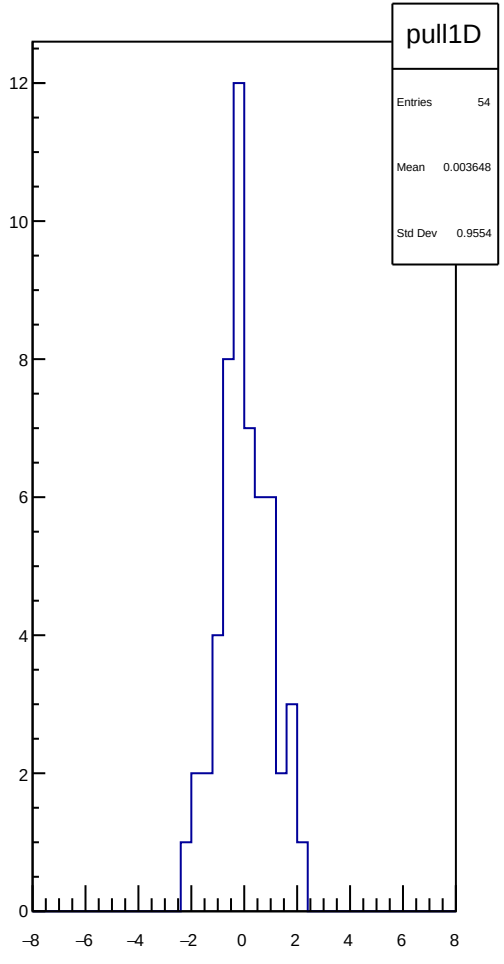

reg_asym_atl2_rms vs run
χ² / ndf 68.83 / 53
p0 1939 ± 1.884
2000
1980
1960
1940
1920
1900
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

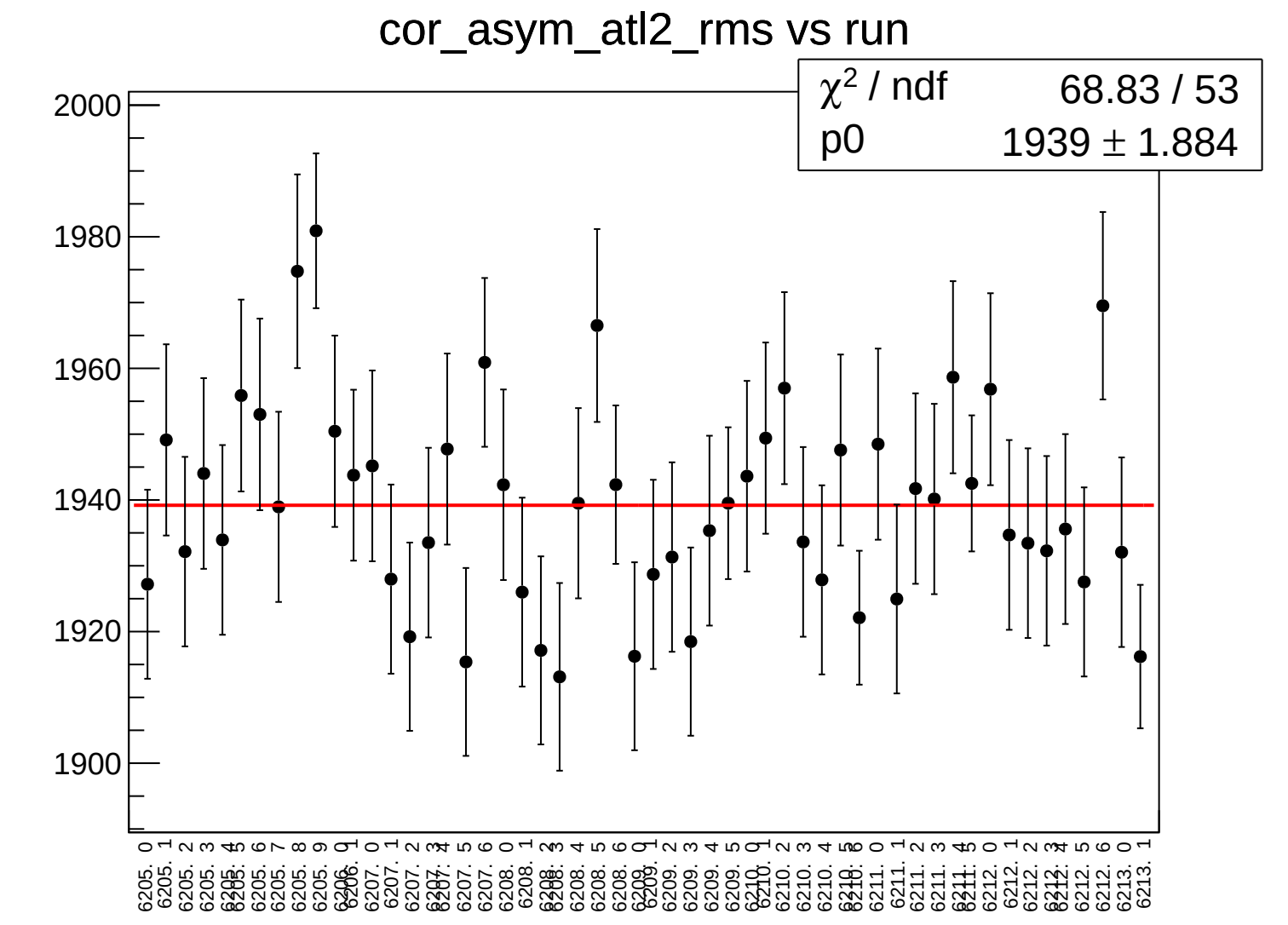

asym_atl2_reg_correction_mean vs run
×10^3
χ² / ndf 42.54 / 53
p0 6936 ± 1.001e+04
300
200
100
0
−100
−200
pull
Entries 54
Mean −2714
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 54
Mean −0.0003343
Std Dev 0.8876
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl2_reg_correction_rms vs run
χ² / ndf 1440 / 53
p0 7283 ± 7.081
8200
8000
7800
7600
7400
7200
7000
6800
6600
6400
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


cor_asym_atl2_mean vs run
χ² / ndf 49.29 / 53
p0 659.8 ± 2664
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 596
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 54
Mean 0.003648
Std Dev 0.9554
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_atl2_rms vs run
χ² / ndf 68.83 / 53
p0 1939 ± 1.884
2000
1980
1960
1940
1920
1900
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
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6207. 2
6207. 3
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6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
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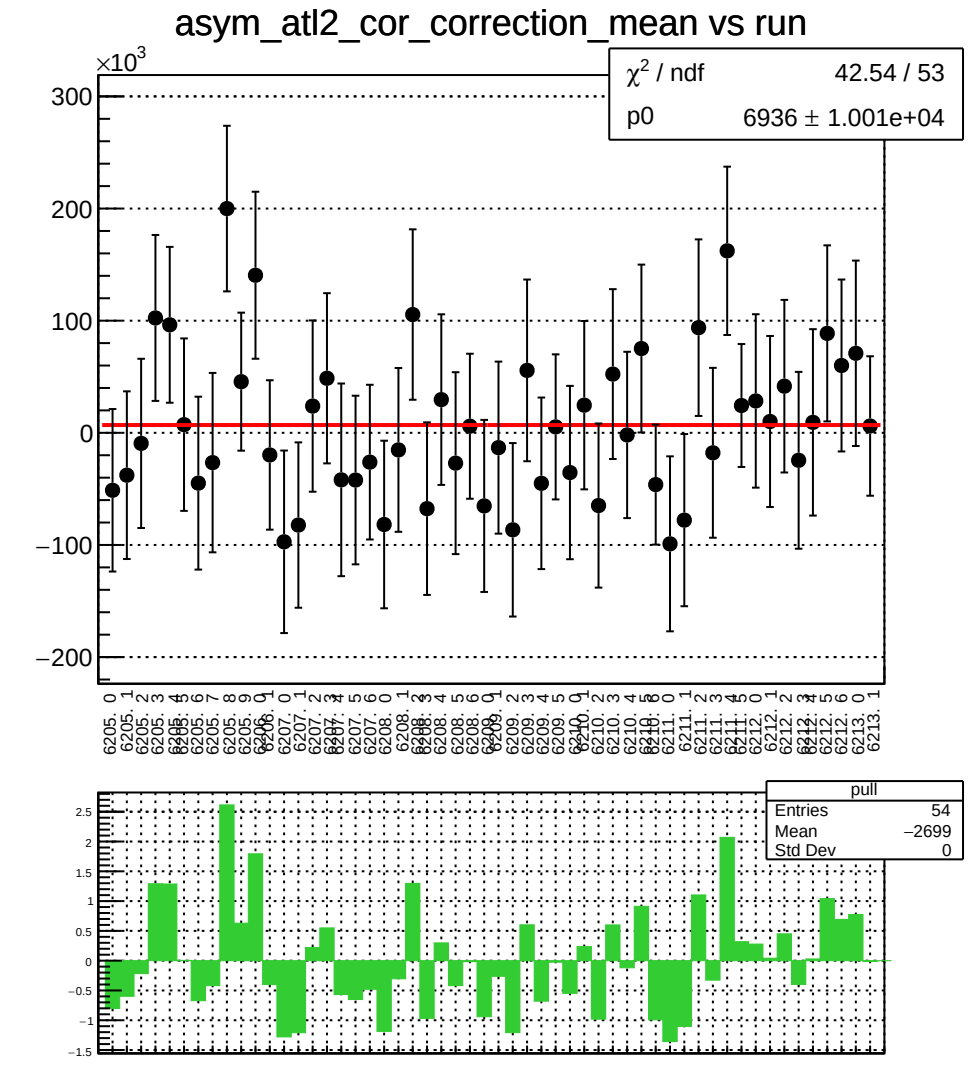
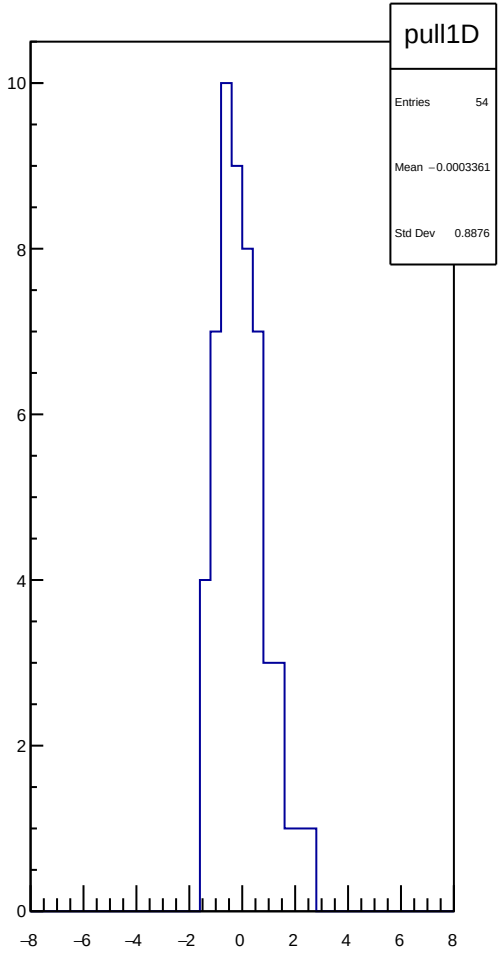
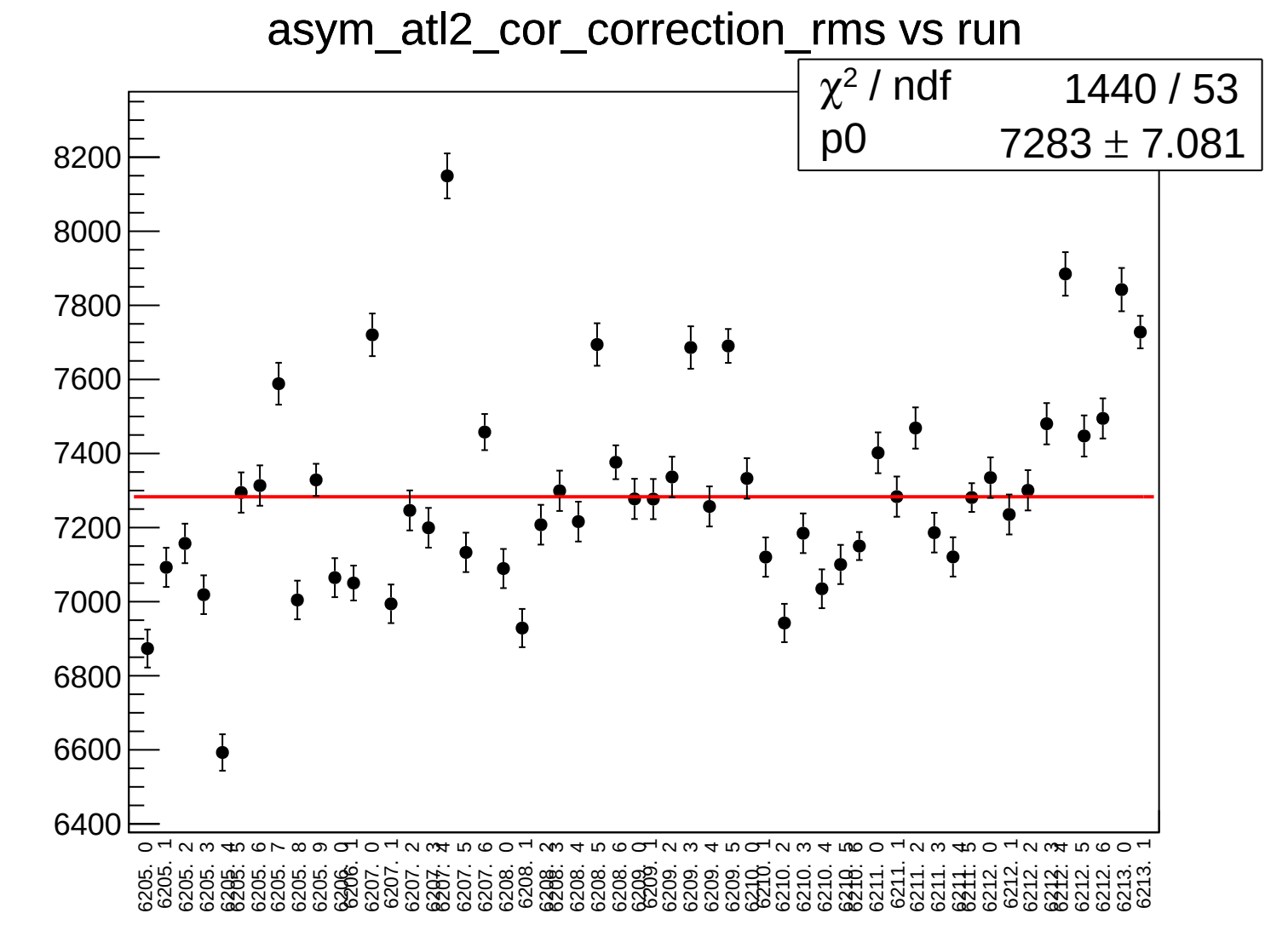
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_atl2_cor_correction_mean vs run
×10^3
χ² / ndf 42.54 / 53
p0 6936 ± 1.001e+04
300
200
100
0
−100
−200
pull
Entries 54
Mean −2699
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 54
Mean −0.0003361
Std Dev 0.8876
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl2_cor_correction_rms vs run
χ² / ndf 1440 / 53
p0 7283 ± 7.081
8200
8000
7800
7600
7400
7200
7000
6800
6600
6400
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
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6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
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6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
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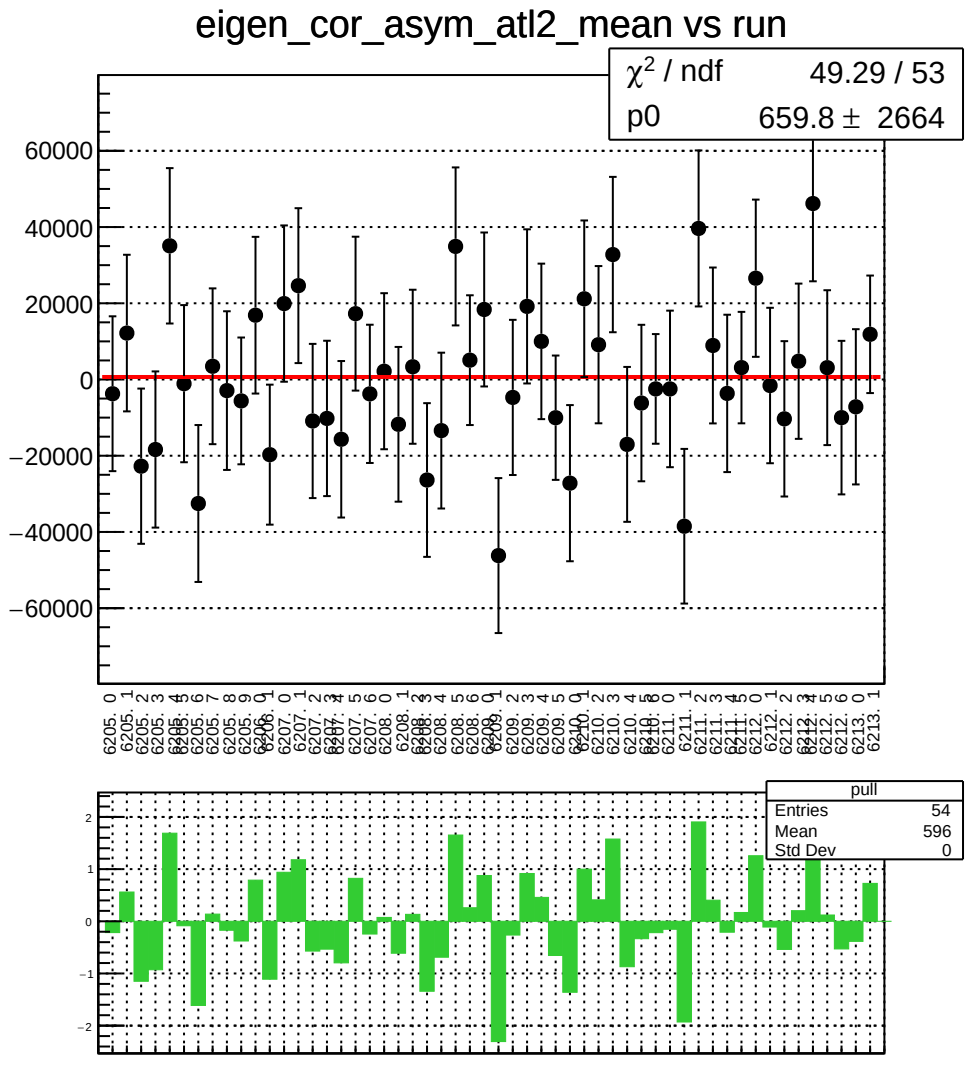
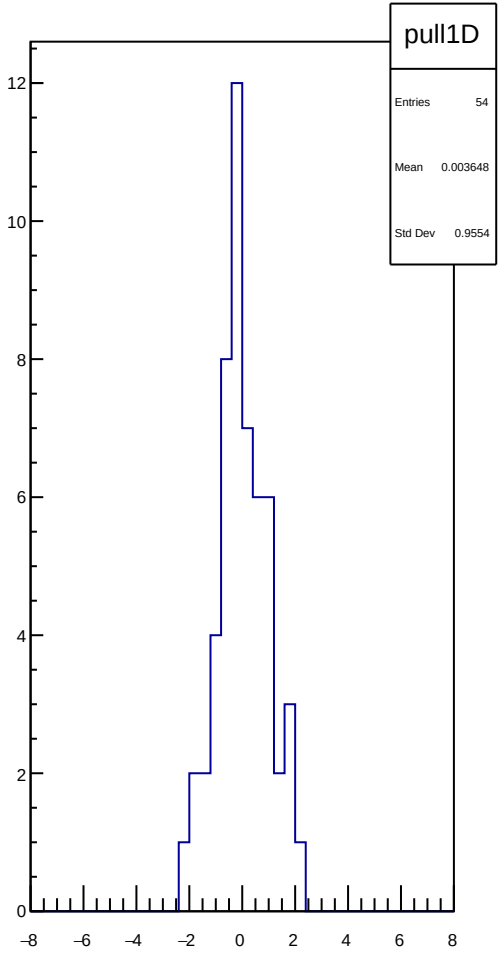
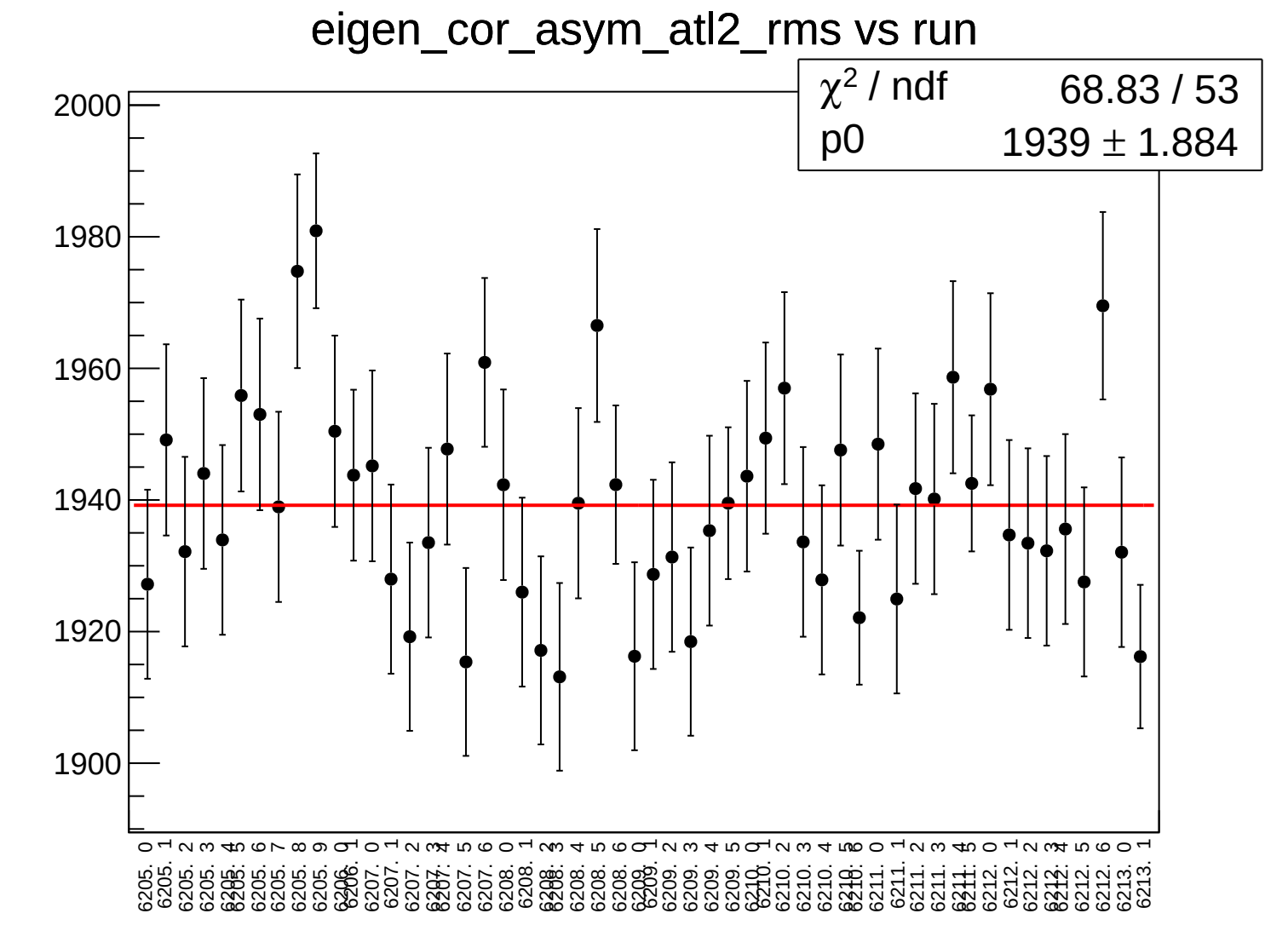
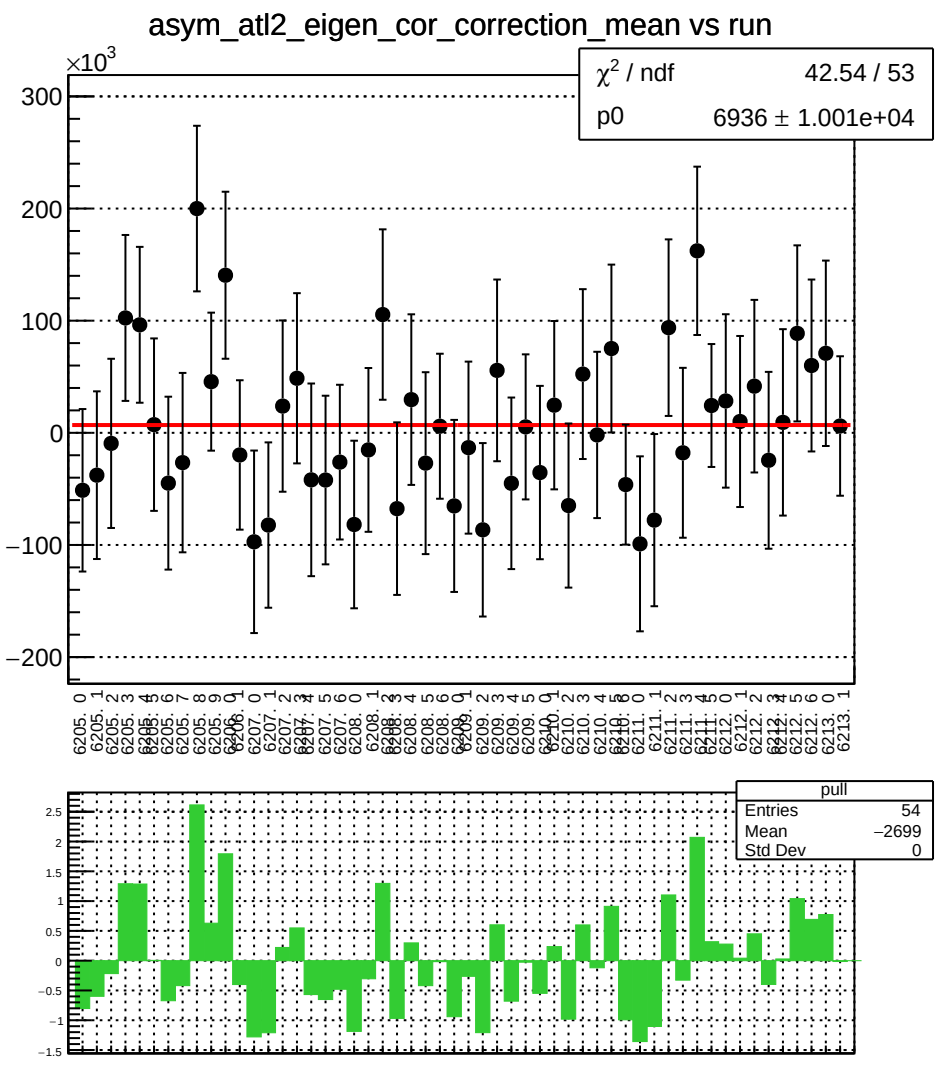
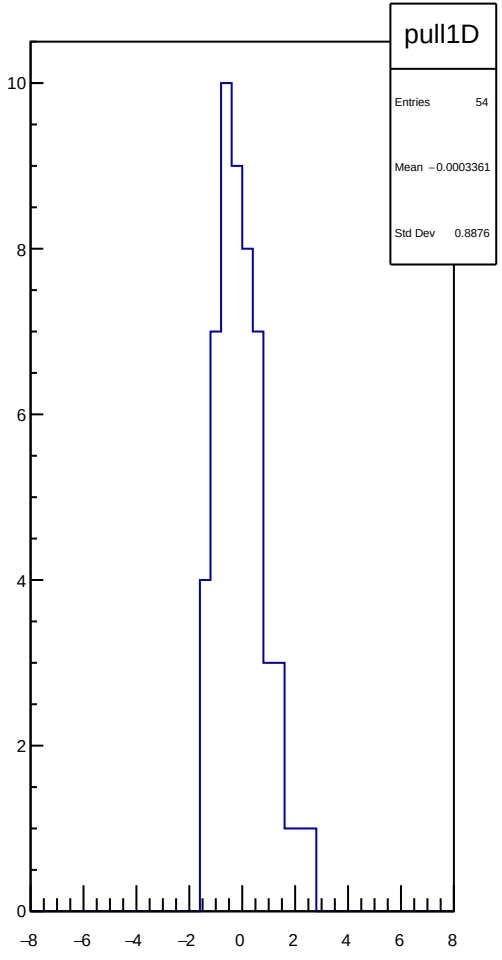
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

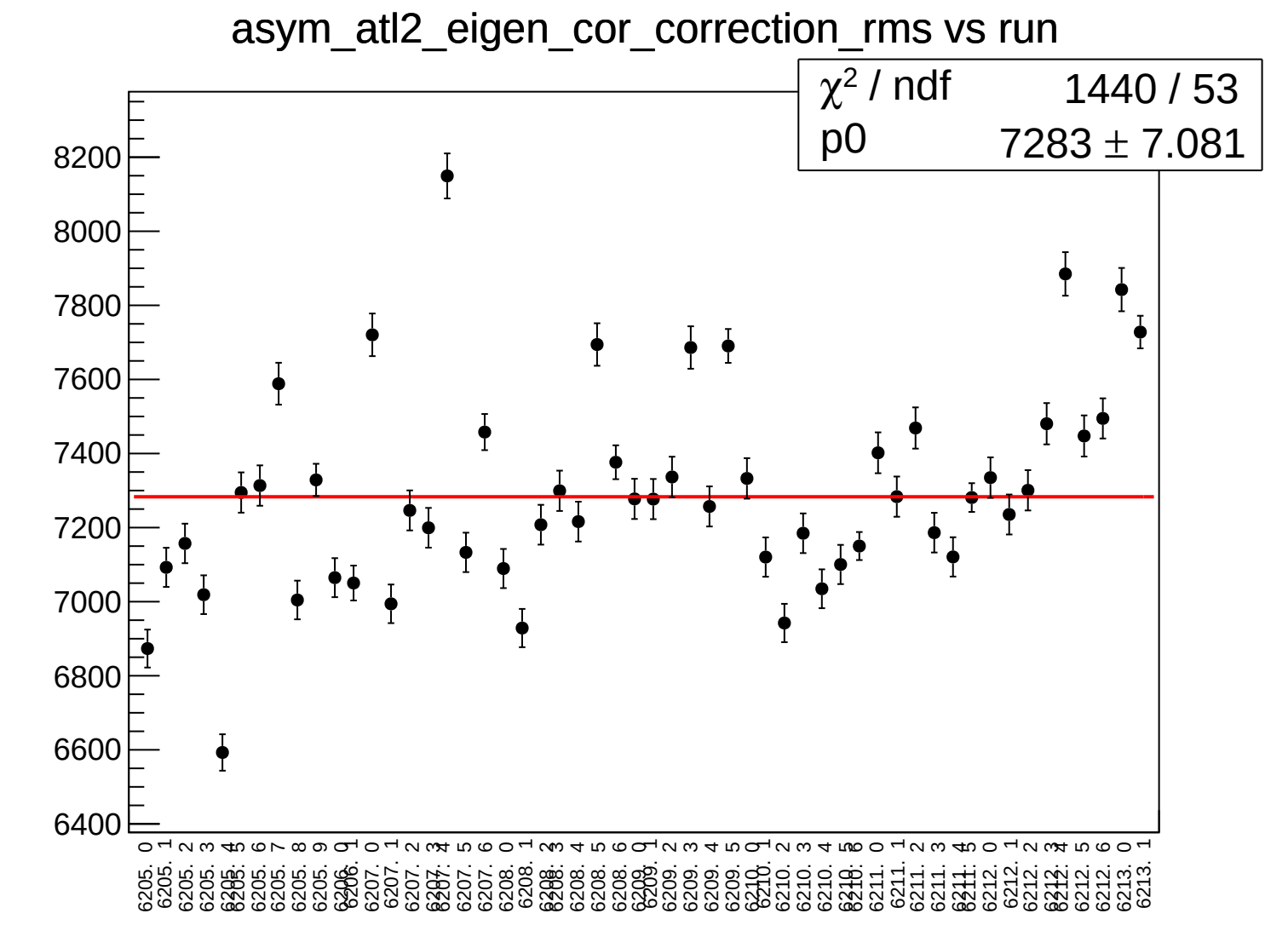

eigen_cor_asym_atl2_mean vs run
χ² / ndf 49.29 / 53
p0 659.8 ± 2664
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 596
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 54
Mean 0.003648
Std Dev 0.9554
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_atl2_rms vs run
χ² / ndf 68.83 / 53
p0 1939 ± 1.884
2000
1980
1960
1940
1920
1900
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_atl2_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 42.54 / 53
p0 6936 ± 1.001e+04
300
200
100
0
−100
−200
pull
Entries 54
Mean −2699
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 54
Mean −0.0003361
Std Dev 0.8876
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl2_eigen_cor_correction_rms vs run
χ² / ndf 1440 / 53
p0 7283 ± 7.081
8200
8000
7800
7600
7400
7200
7000
6800
6600
6400
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
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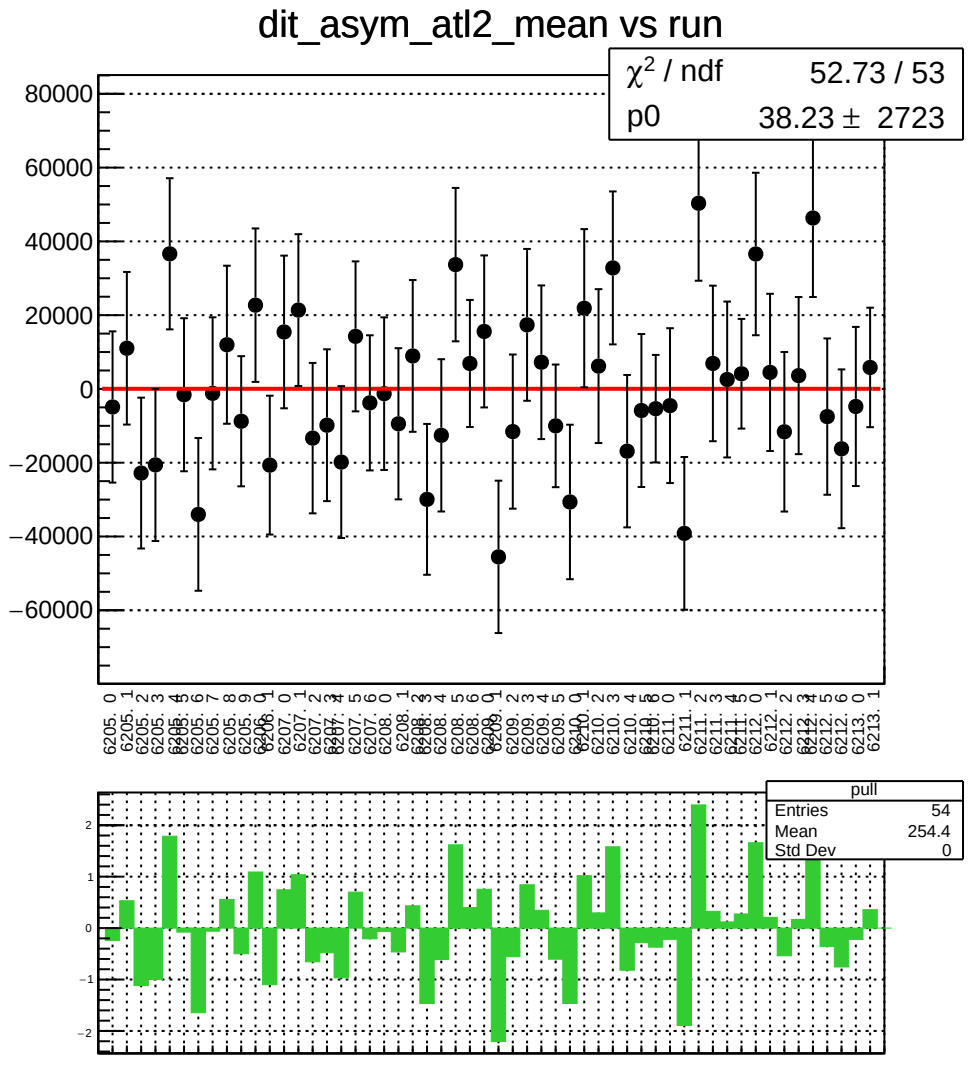
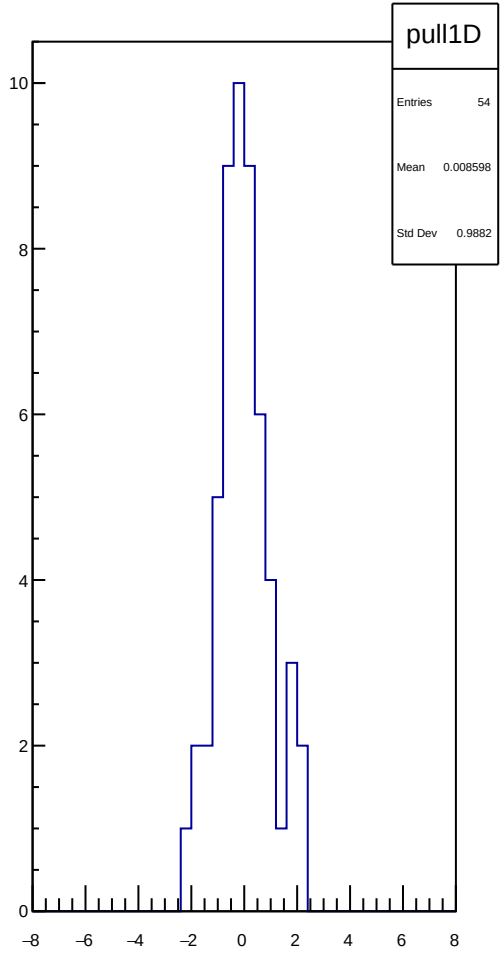
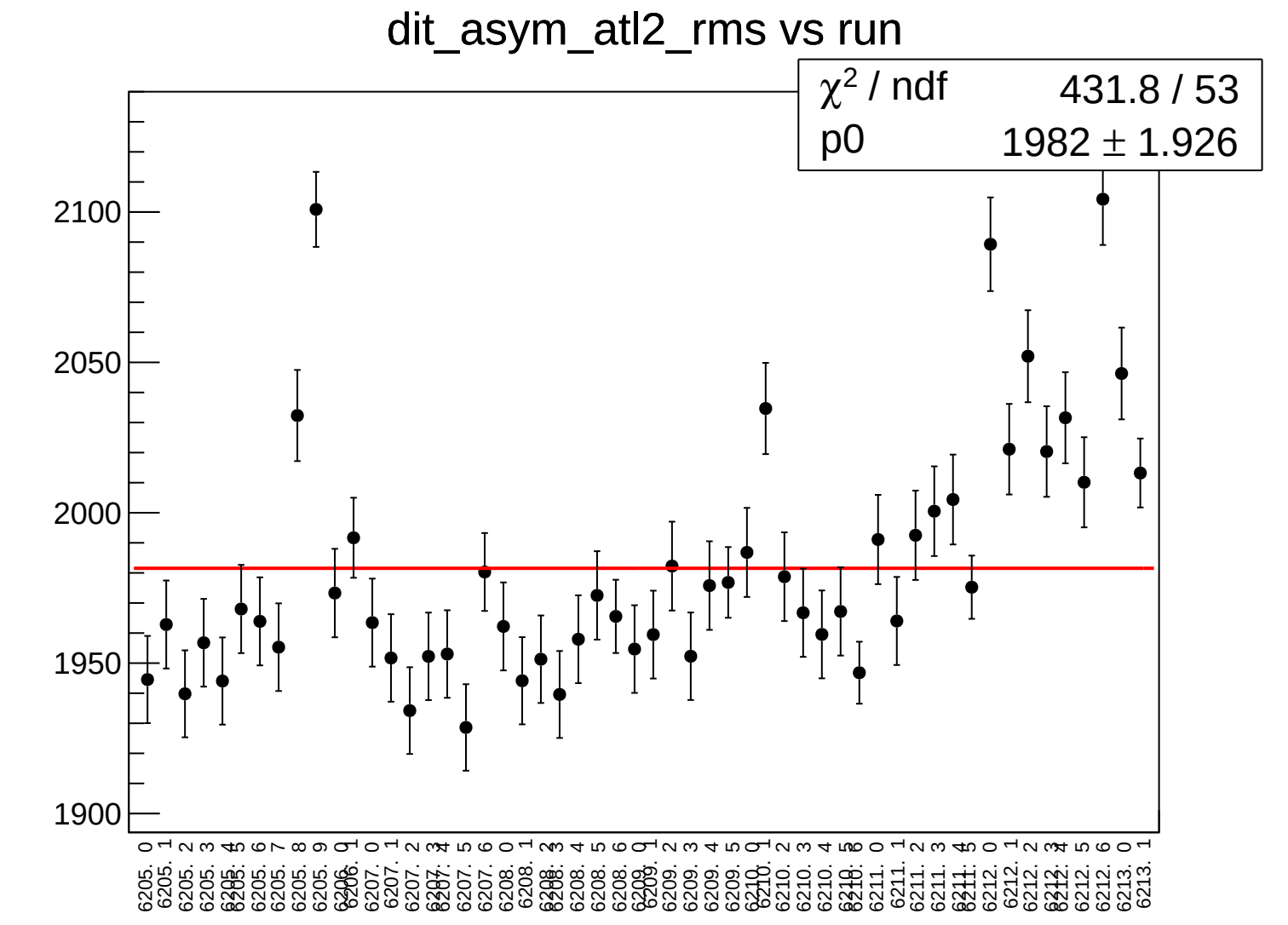
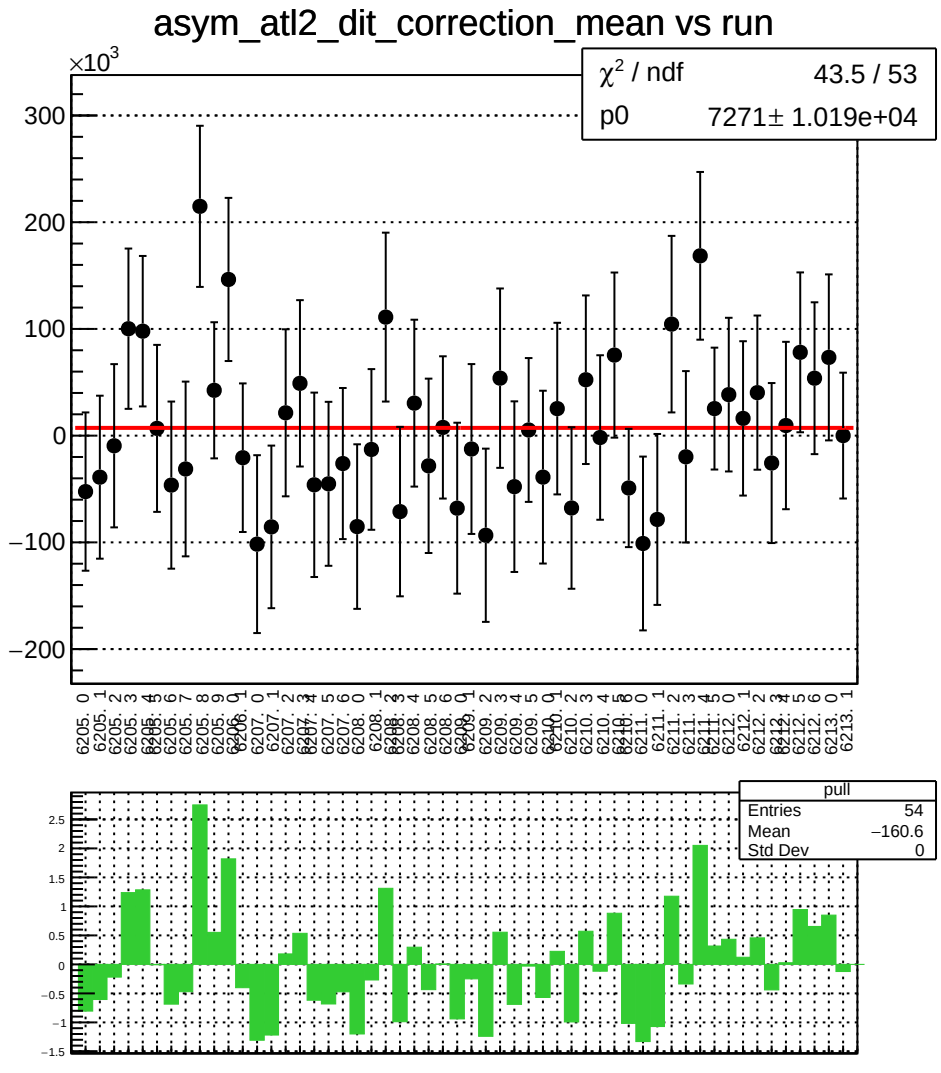
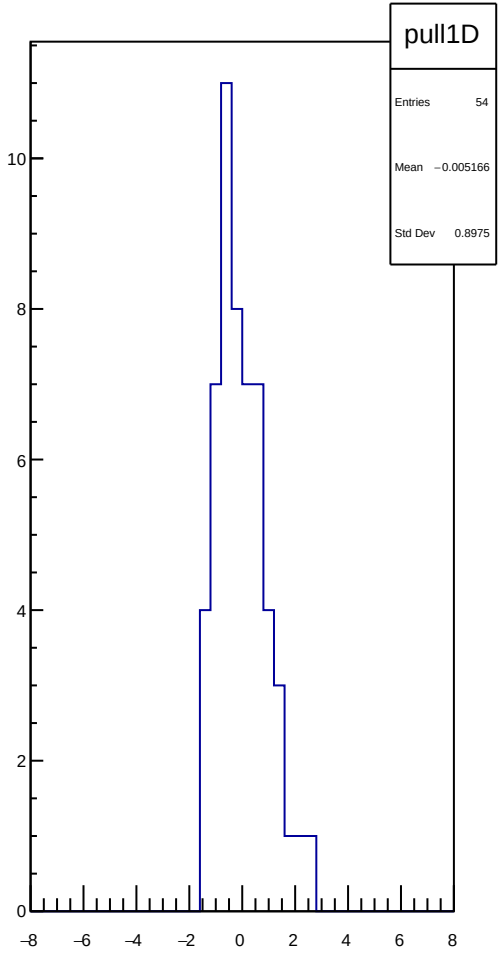
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

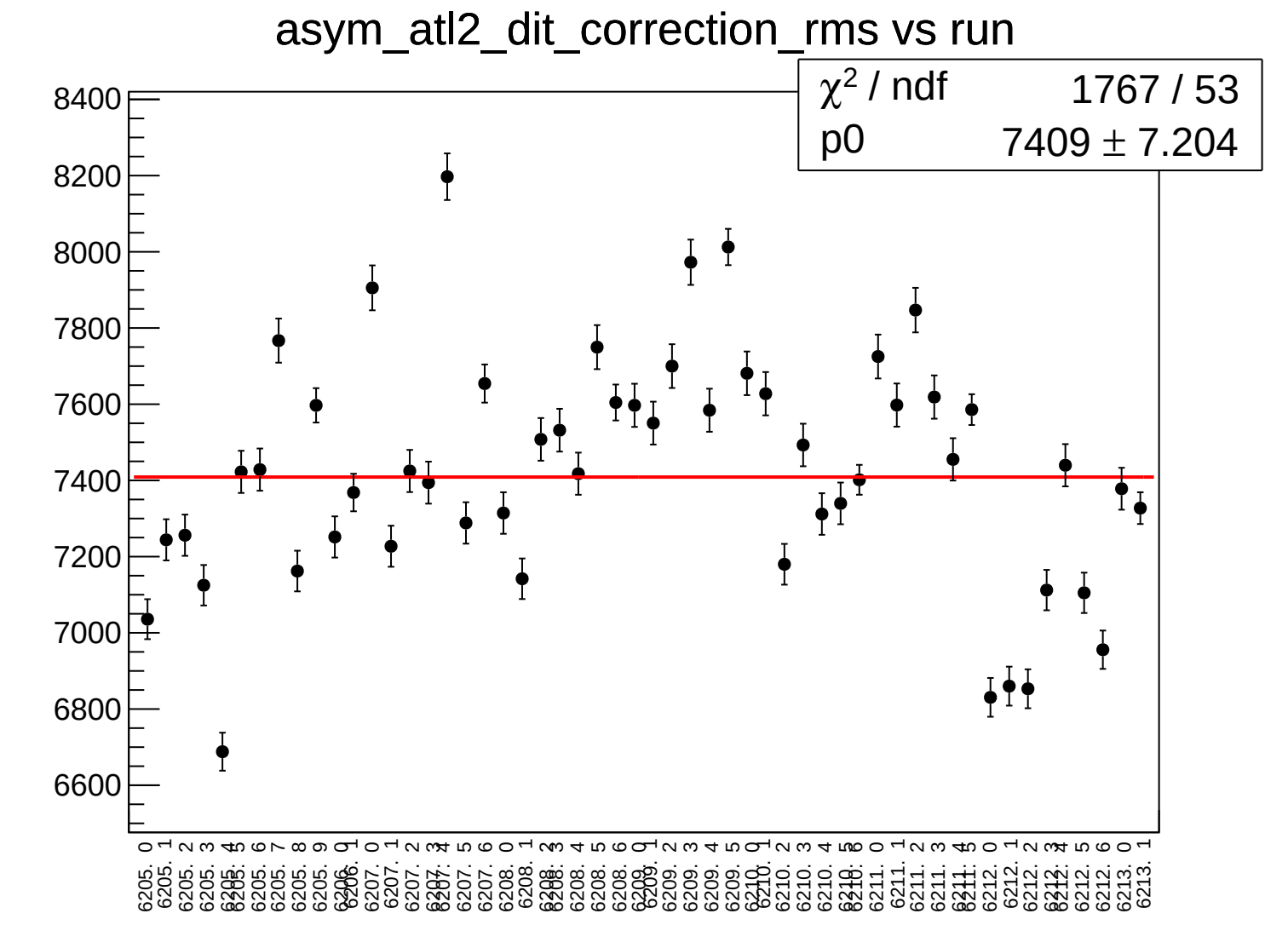

dit_asym_atl2_mean vs run
χ² / ndf 52.73 / 53
p0 38.23 ± 2723
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 254.4
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 54
Mean 0.008598
Std Dev 0.9882
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_atl2_rms vs run
χ² / ndf 431.8 / 53
p0 1982 ± 1.926
2100
2050
2000
1950
1900
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_atl2_dit_correction_mean vs run
×10^3
χ² / ndf 43.5 / 53
p0 7271± 1.019e+04
pull
Entries 54
Mean −160.6
Std Dev 0


pull1D
Entries 54
Mean −0.005166
Std Dev 0.8975


asym_atl2_dit_correction_rms vs run
χ² / ndf 1767 / 53
p0 7409 ± 7.204
8400
8200
8000
7800
7600
7400
7200
7000
6800
6600
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
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6207. 2
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6207. 6
6208. 0
6208. 1
6208. 2
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6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
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6211. 2
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6211. 4
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6212. 1
6212. 2
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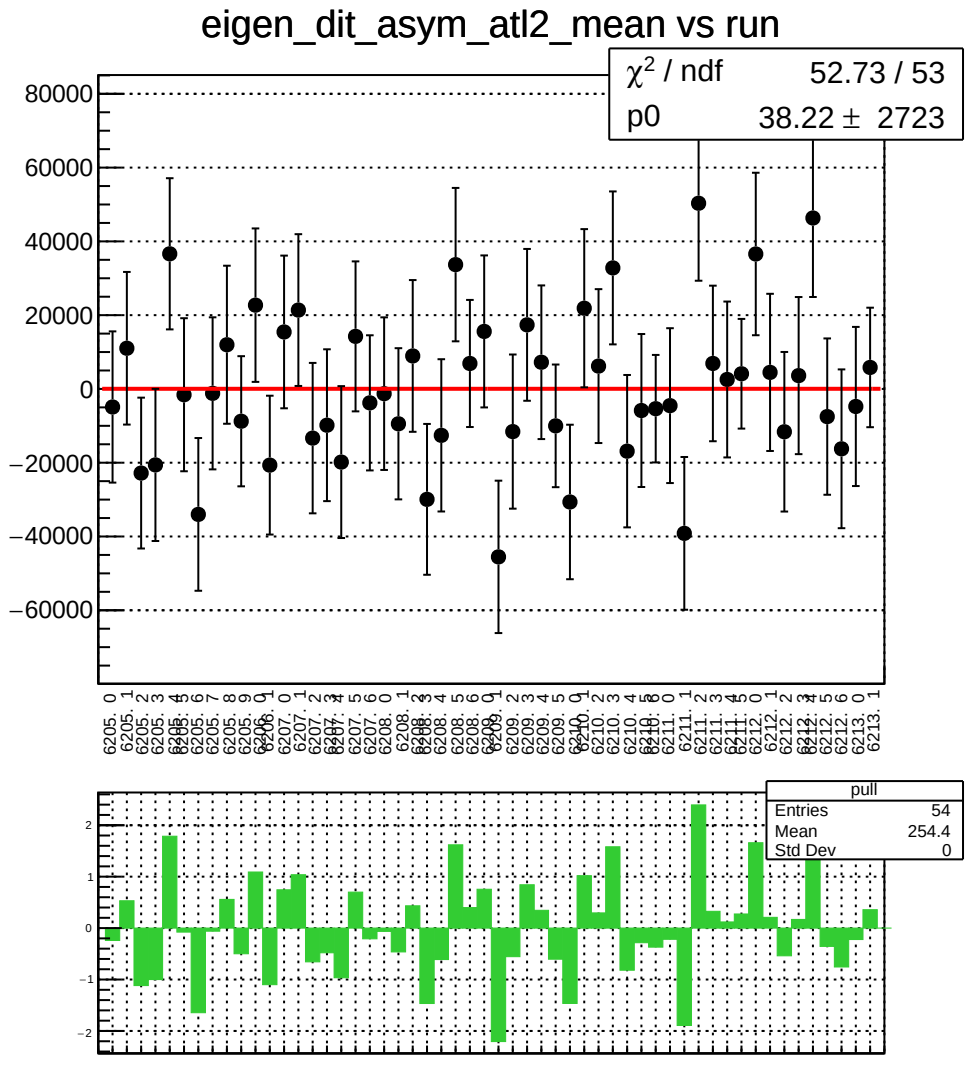
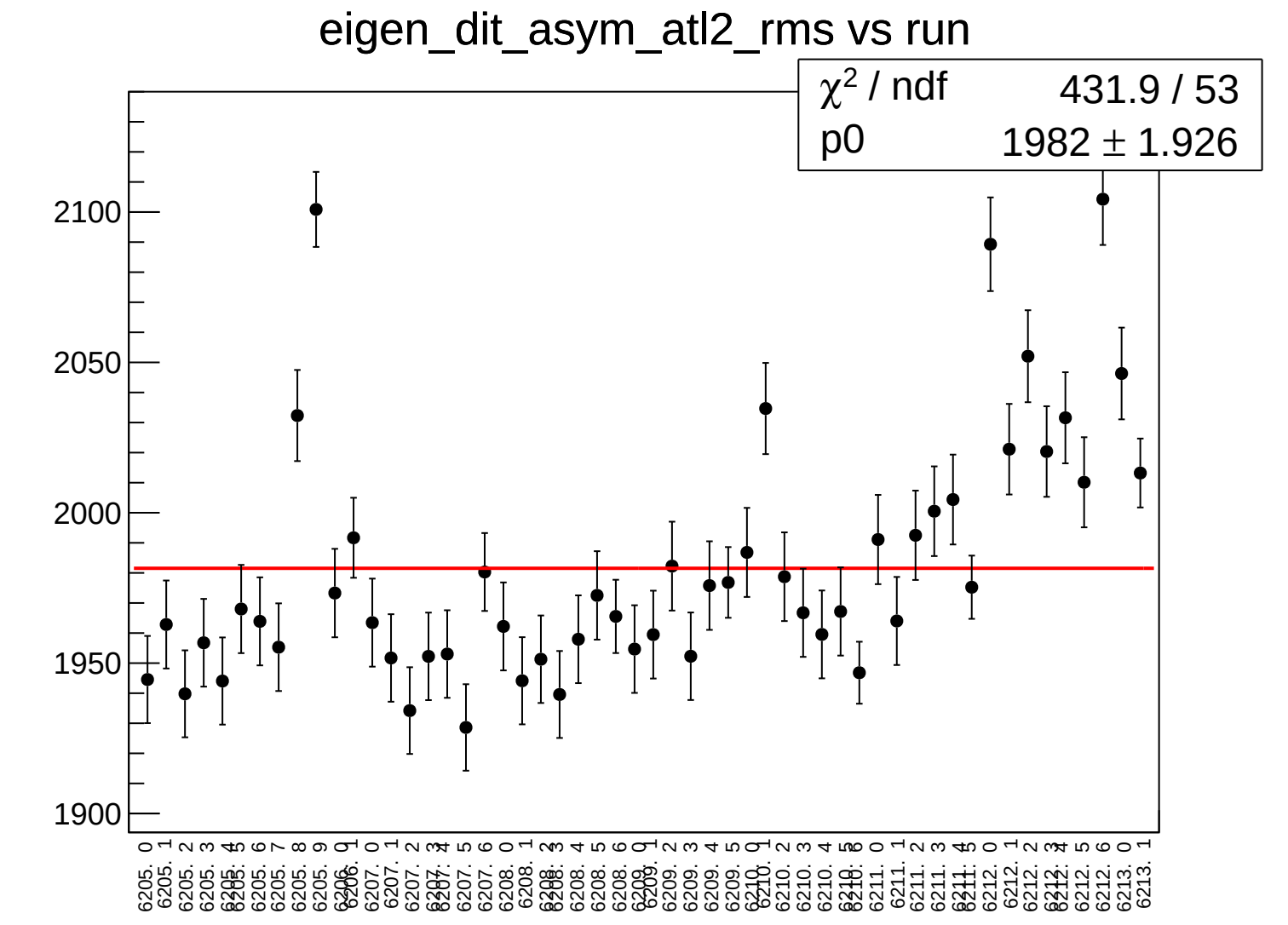
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


eigen_dit_asym_atl2_mean vs run
χ² / ndf 52.73 / 53
p0 38.22 ± 2723
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 254.4
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 54
Mean 0.008599
Std Dev 0.9882
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_dit_asym_atl2_rms vs run
χ² / ndf 431.9 / 53
p0 1982 ± 1.926
2100
2050
2000
1950
1900
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
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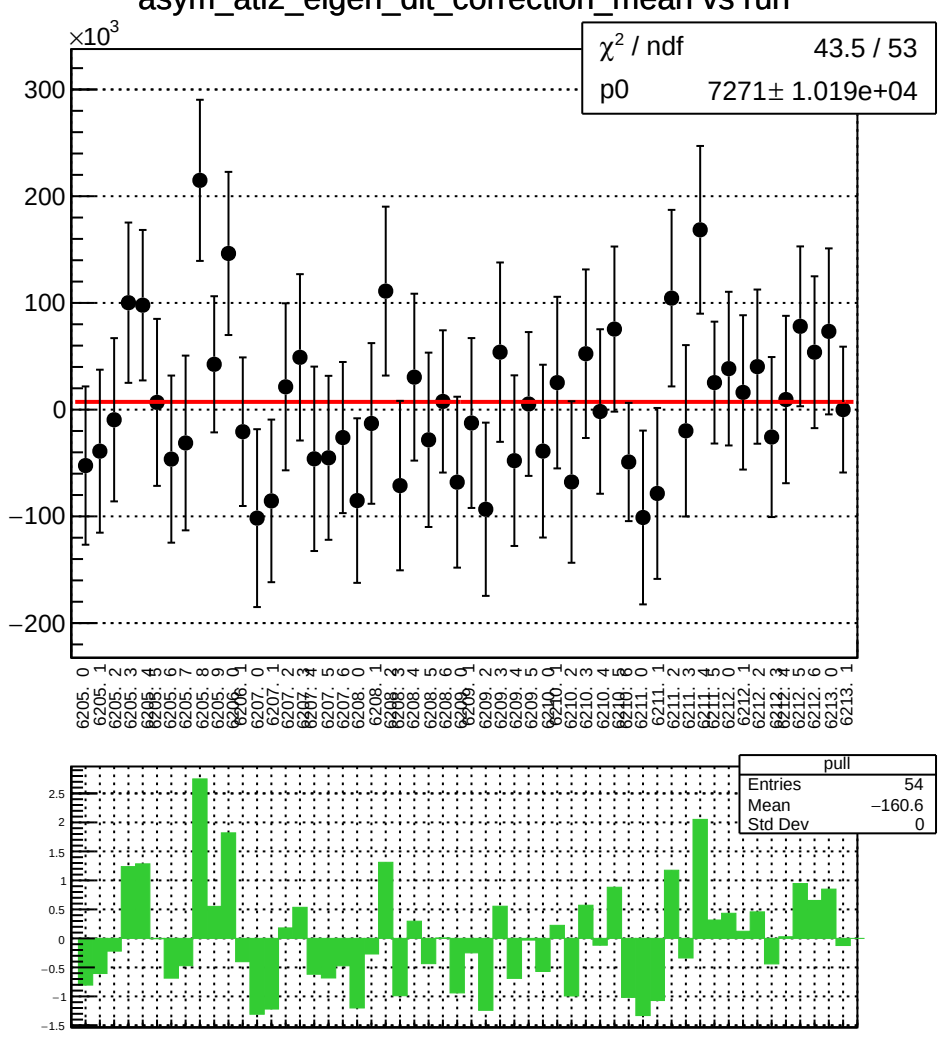
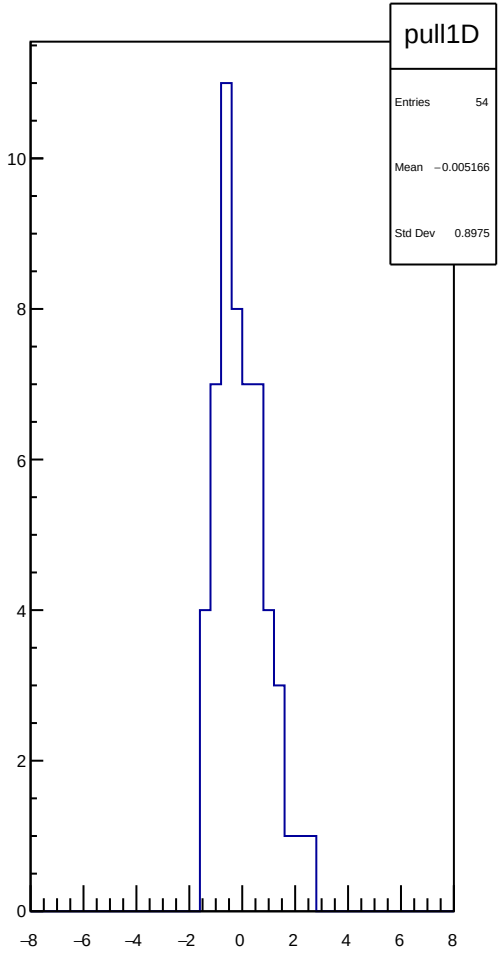
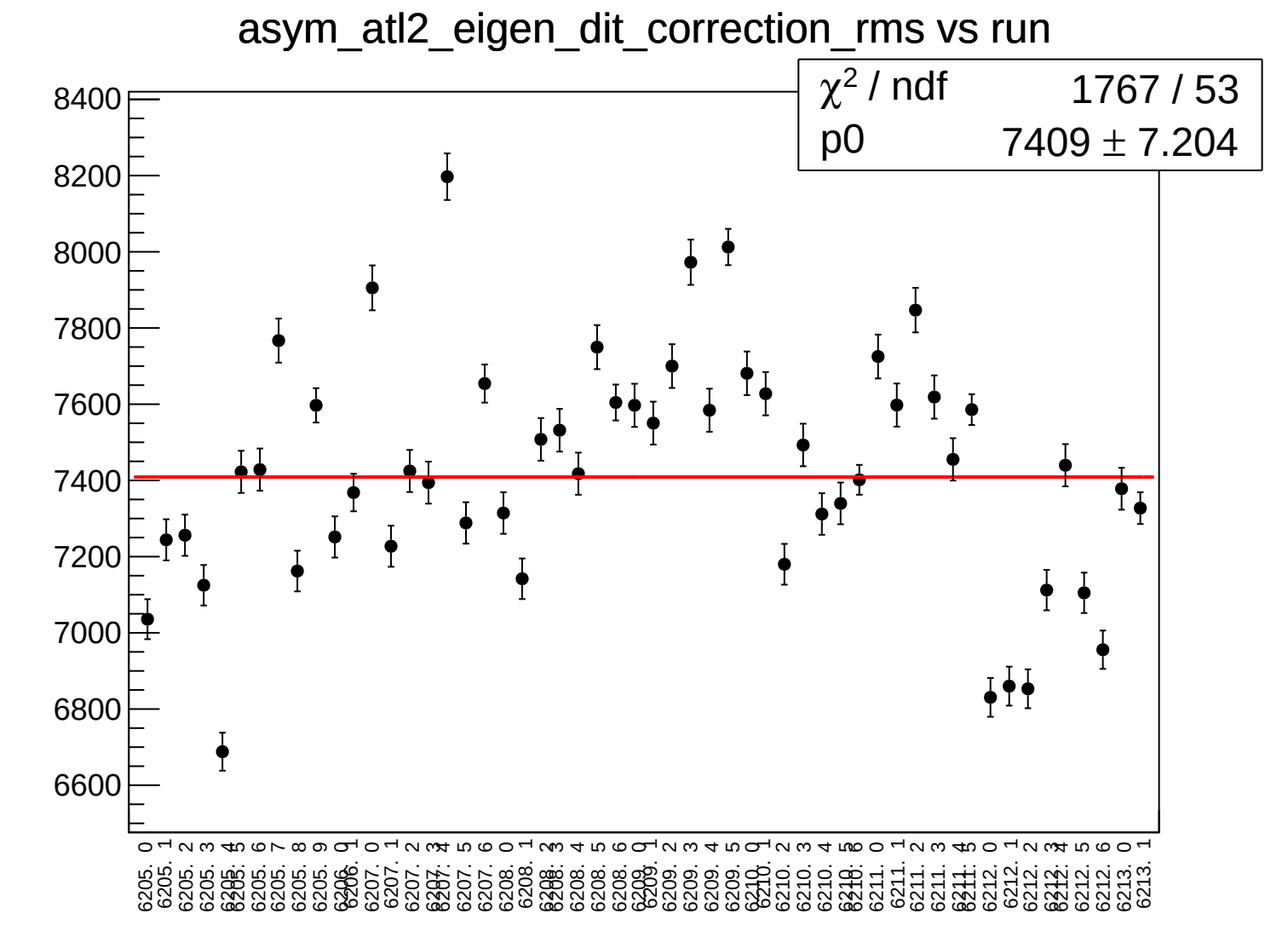
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_atl2_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 43.5 / 53
p0 7271± 1.019e+04
300
200
100
0
−100
−200
pull
Entries 54
Mean −160.6
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 54
Mean −0.005166
Std Dev 0.8975
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl2_eigen_dit_correction_rms vs run
χ² / ndf 1767 / 53
p0 7409 ± 7.204
8400
8200
8000
7800
7600
7400
7200
7000
6800
6600
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
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6207. 3
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6207. 6
6208. 0
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6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
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6209. 5
6210. 0
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6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
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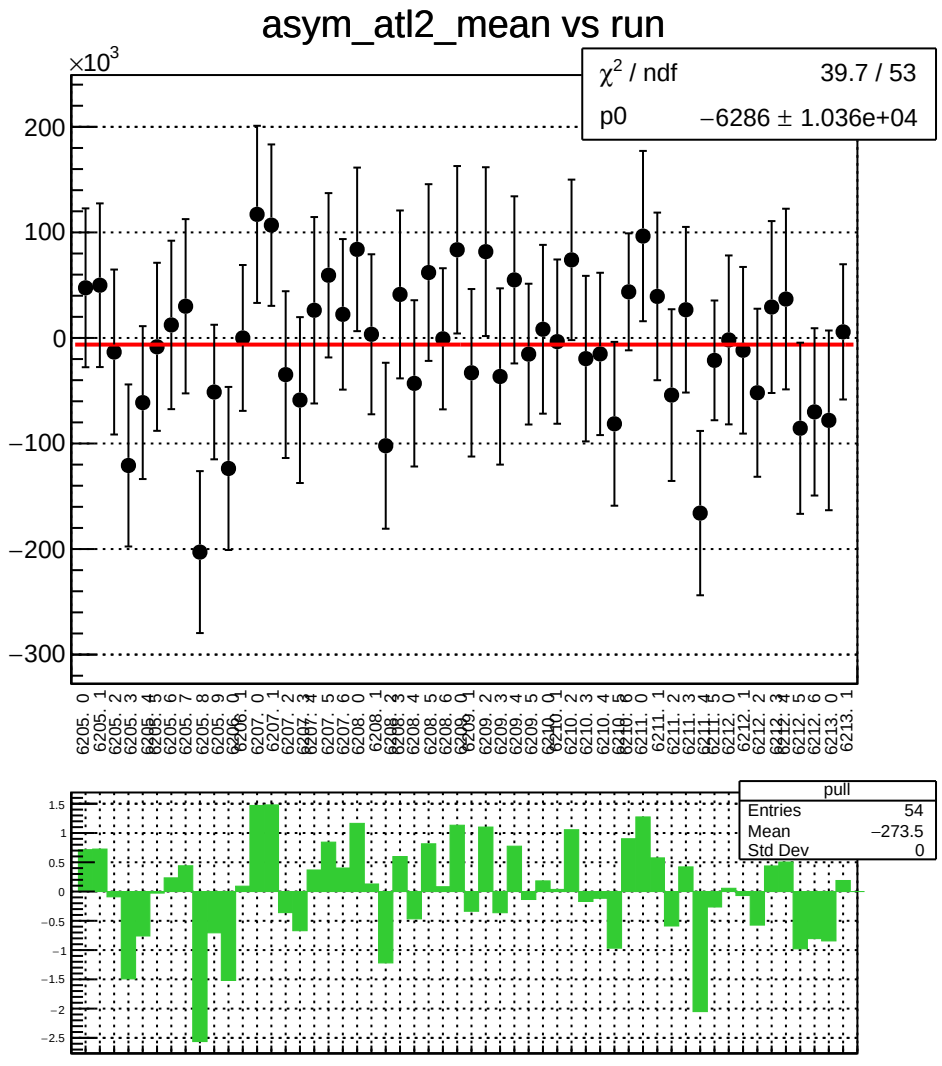
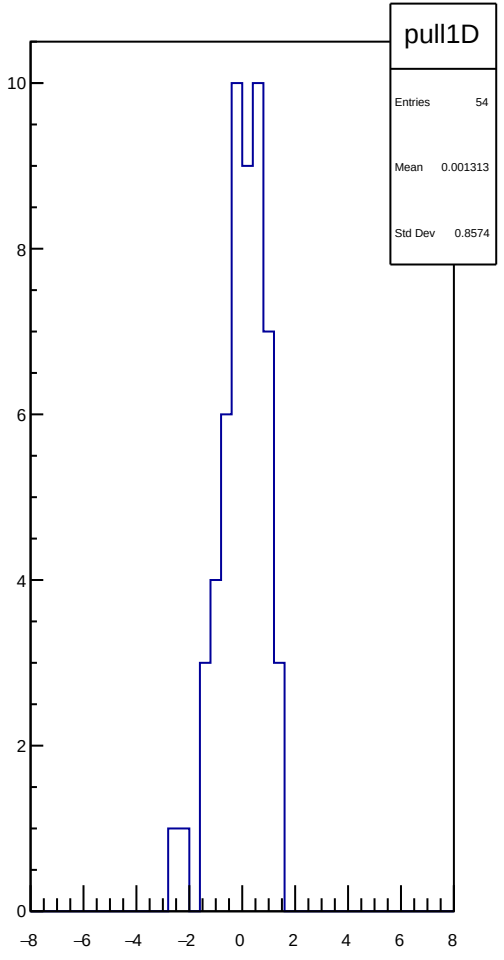
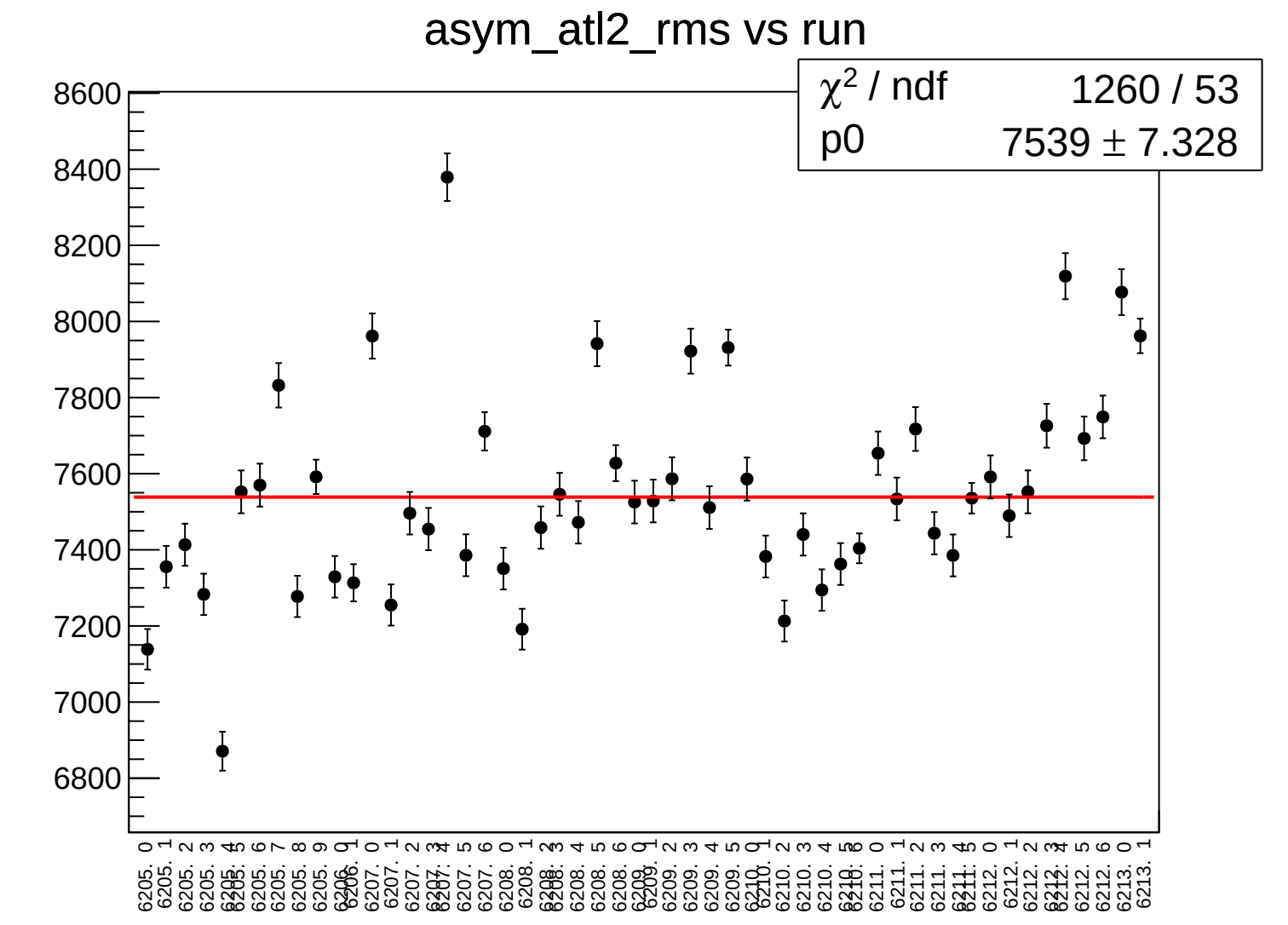
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_atl2_mean vs run
×10^3
χ² / ndf 39.7 / 53
p0 −6286 ± 1.036e+04
200
100
0
−100
−200
−300
pull
Entries 54
Mean −273.5
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 54
Mean 0.001313
Std Dev 0.8574
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl2_rms vs run
χ² / ndf 1260 / 53
p0 7539 ± 7.328
8600
8400
8200
8000
7800
7600
7400
7200
7000
6800
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
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6208. 0
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6208. 2
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6209. 0
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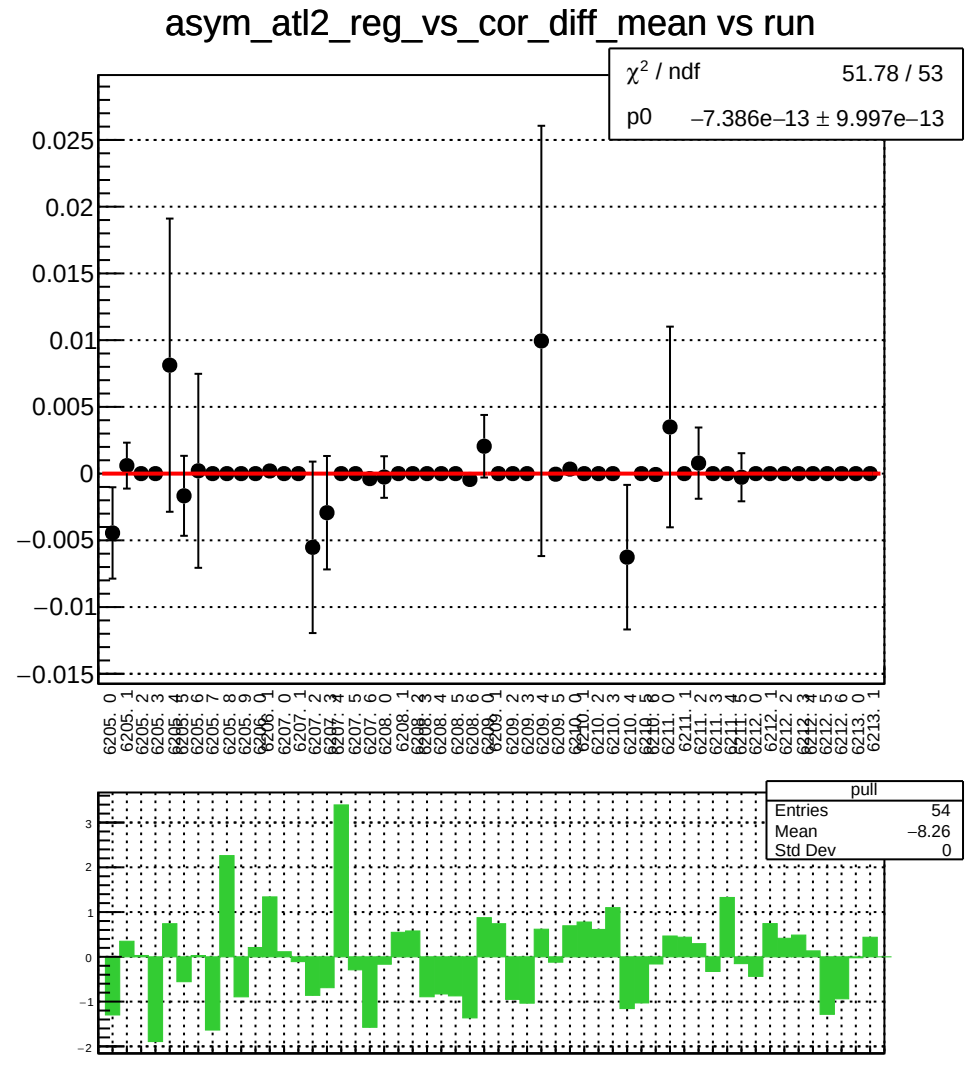
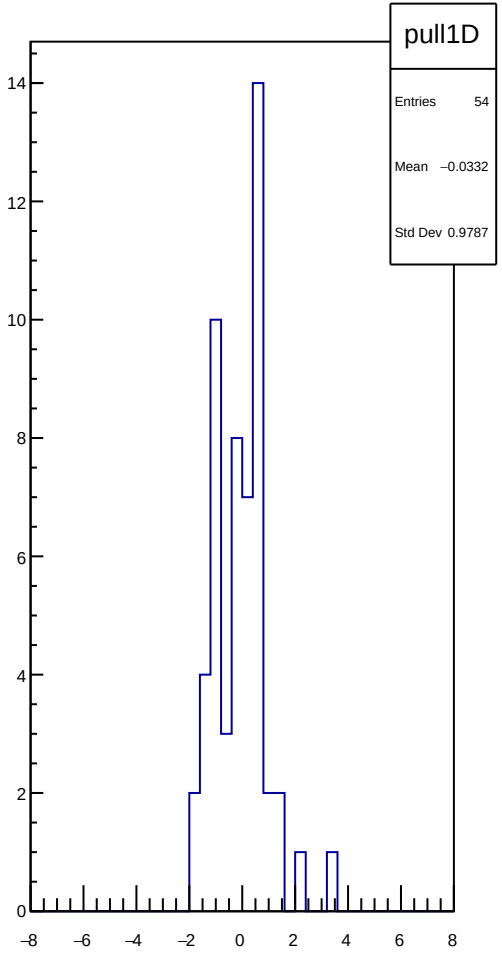
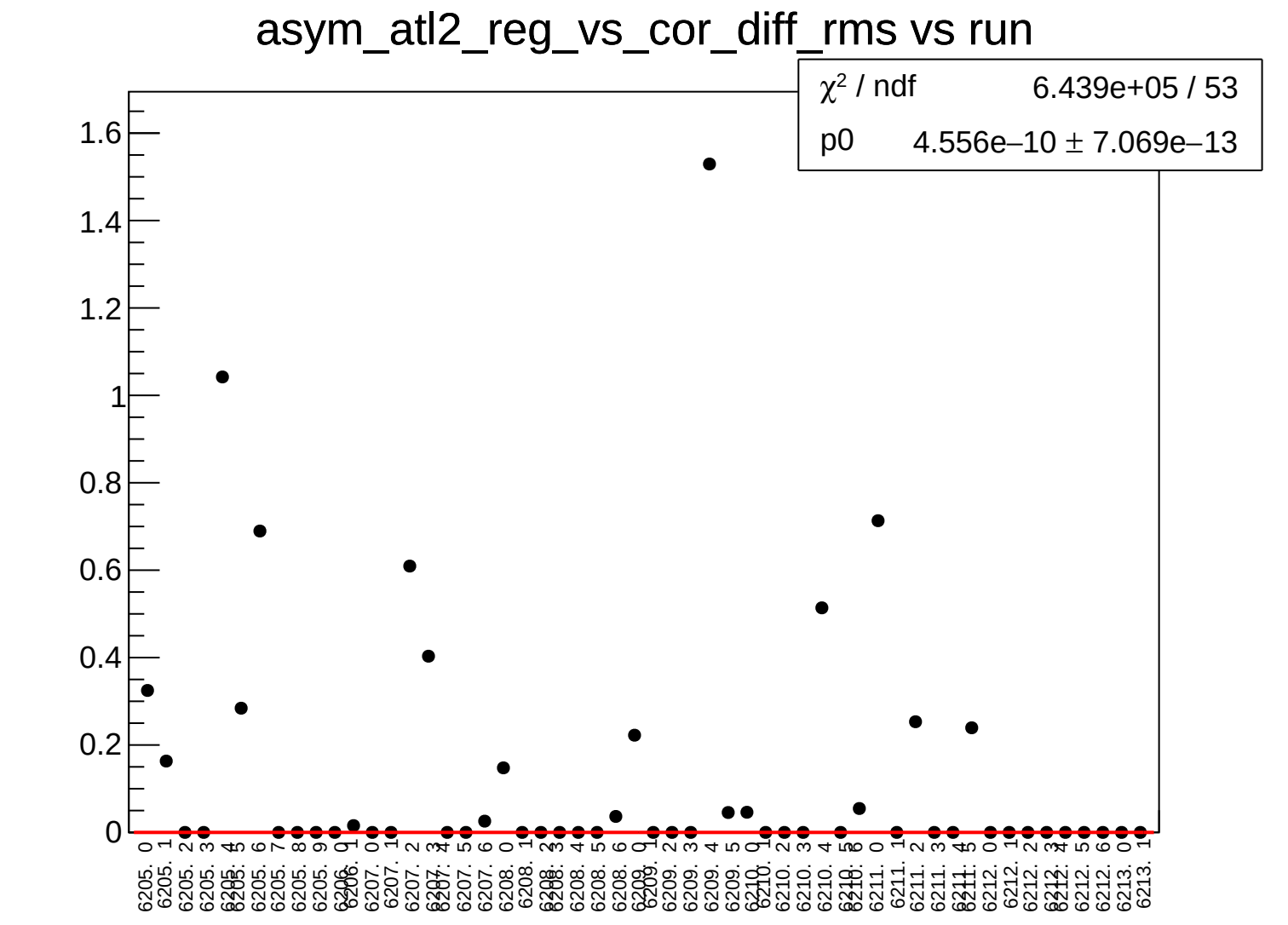
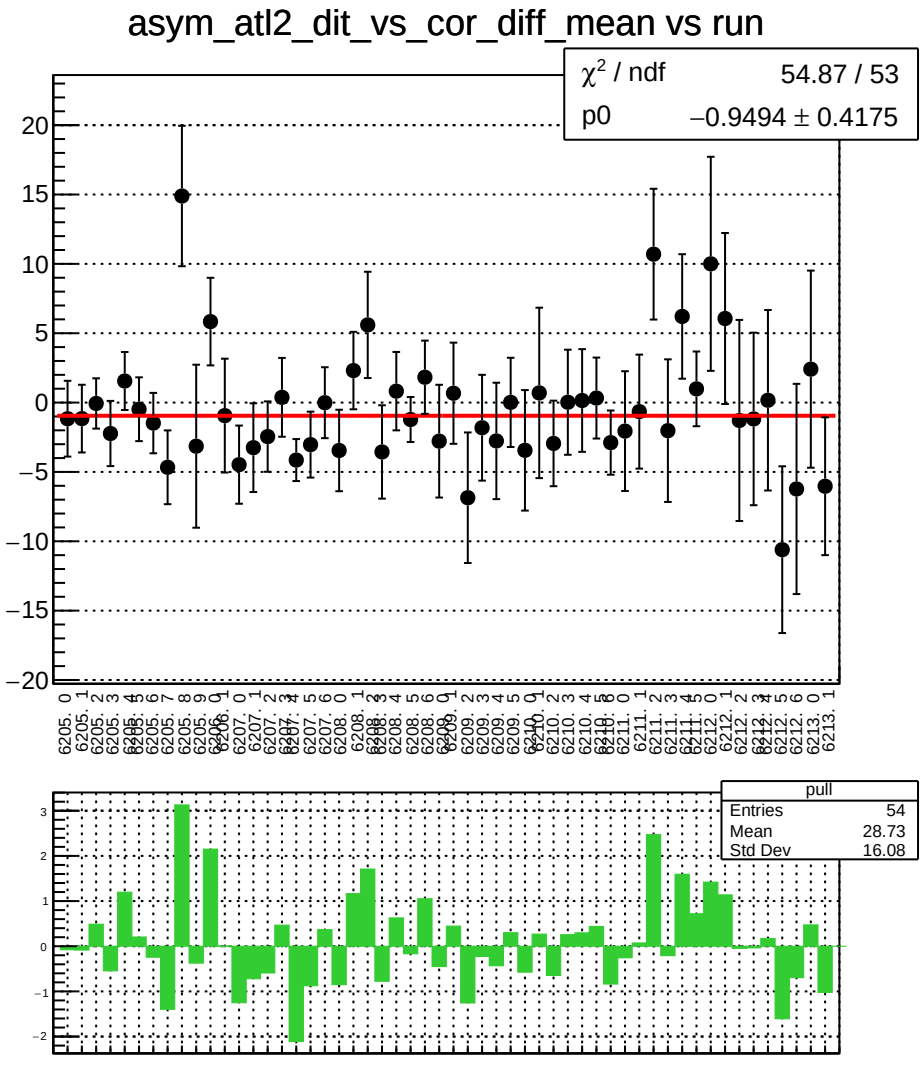
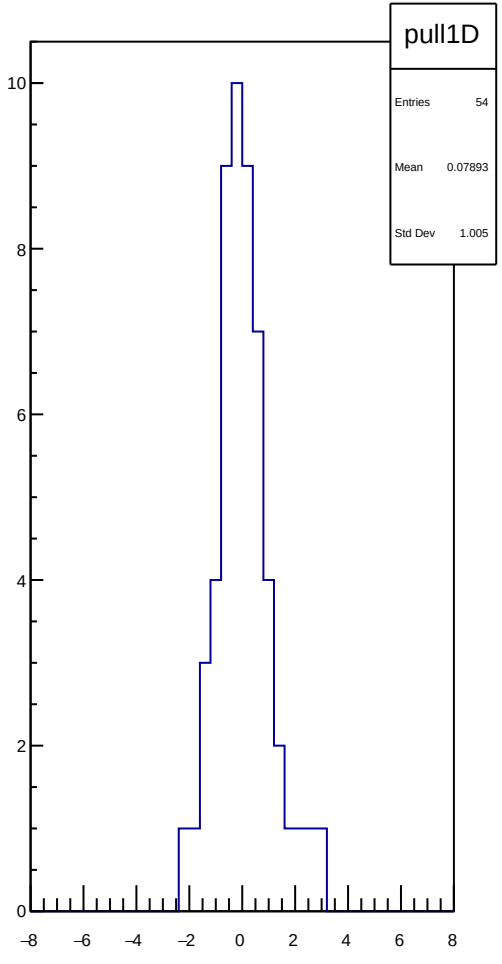
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

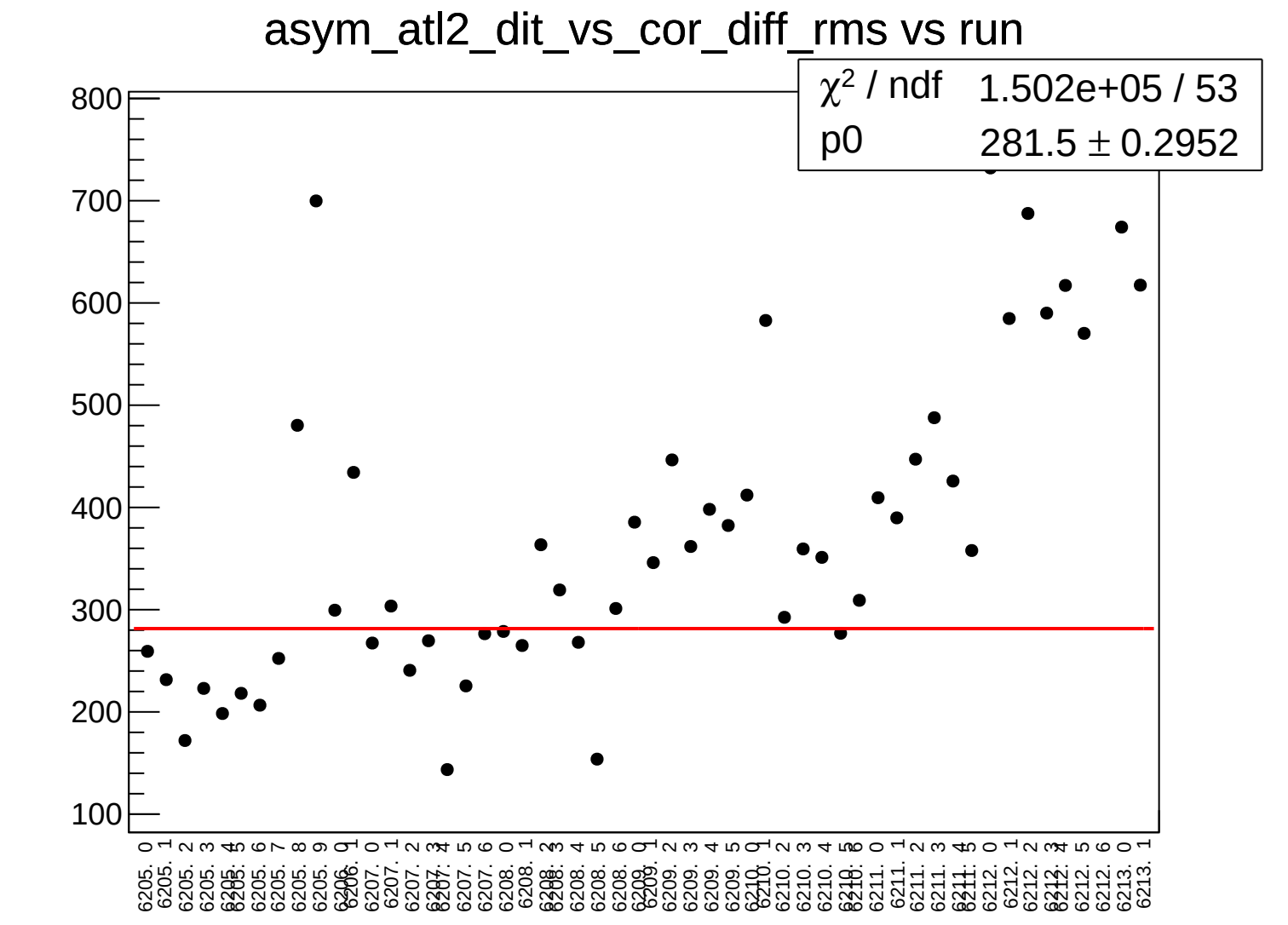

asym_atl2_reg_vs_cor_diff_mean vs run
χ² / ndf 51.78 / 53
p0 −7.386e−13 ± 9.997e−13
pull
Entries 54
Mean −8.26
Std Dev 0

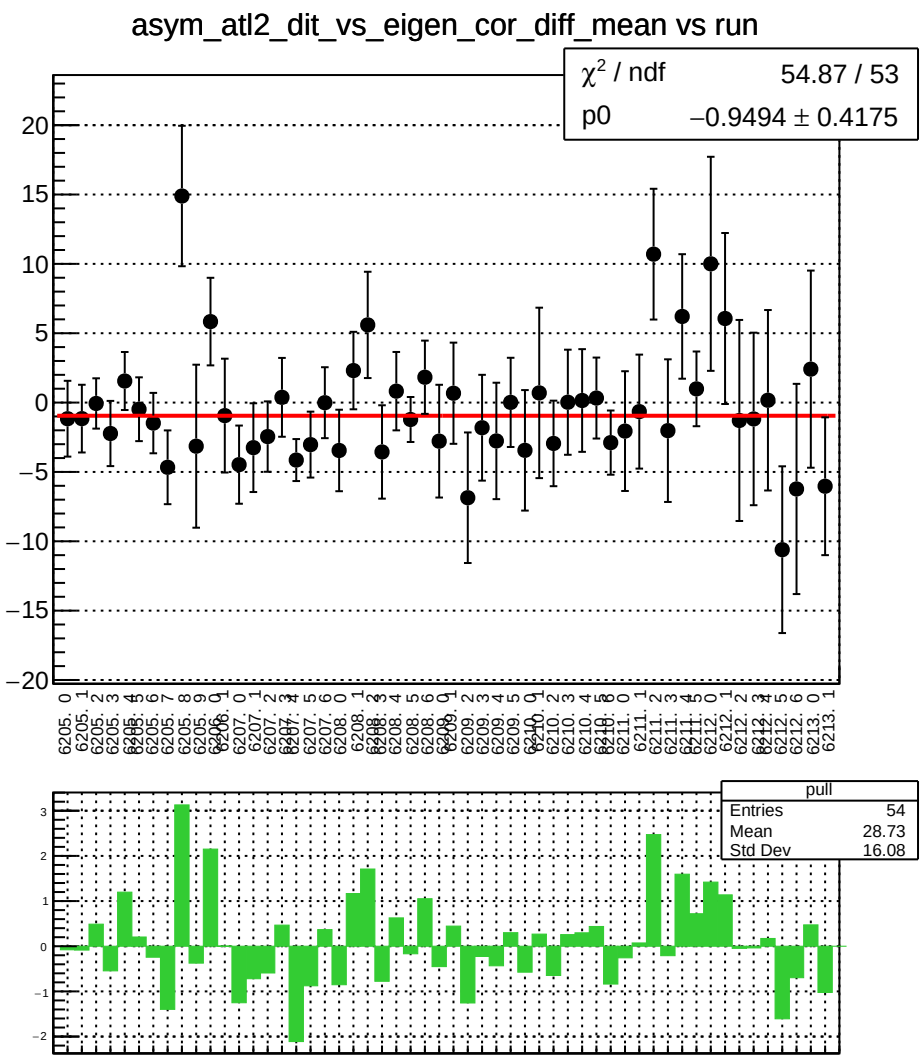

pull1D
Entries 54
Mean −0.0332
Std Dev 0.9787

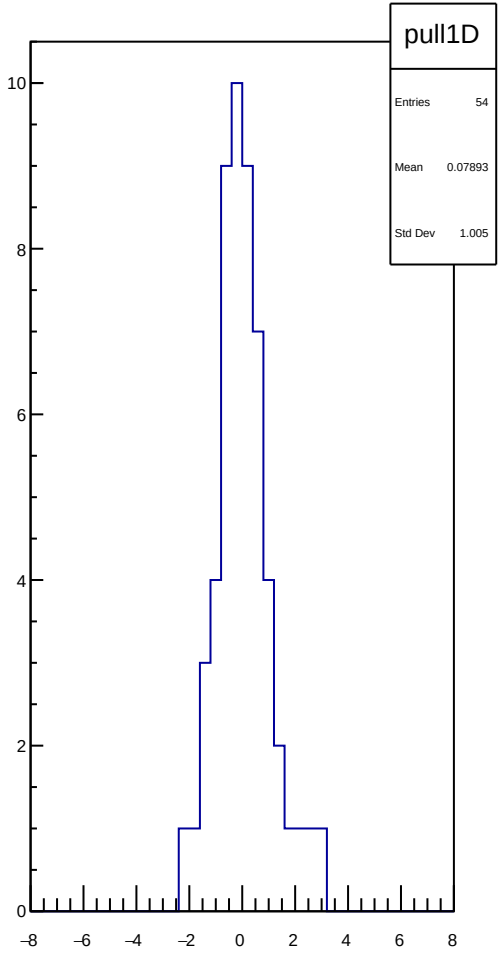

asym_atl2_reg_vs_cor_diff_rms vs run
χ² / ndf 6.439e+05 / 53
p0 4.556e−10 ± 7.069e−13
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

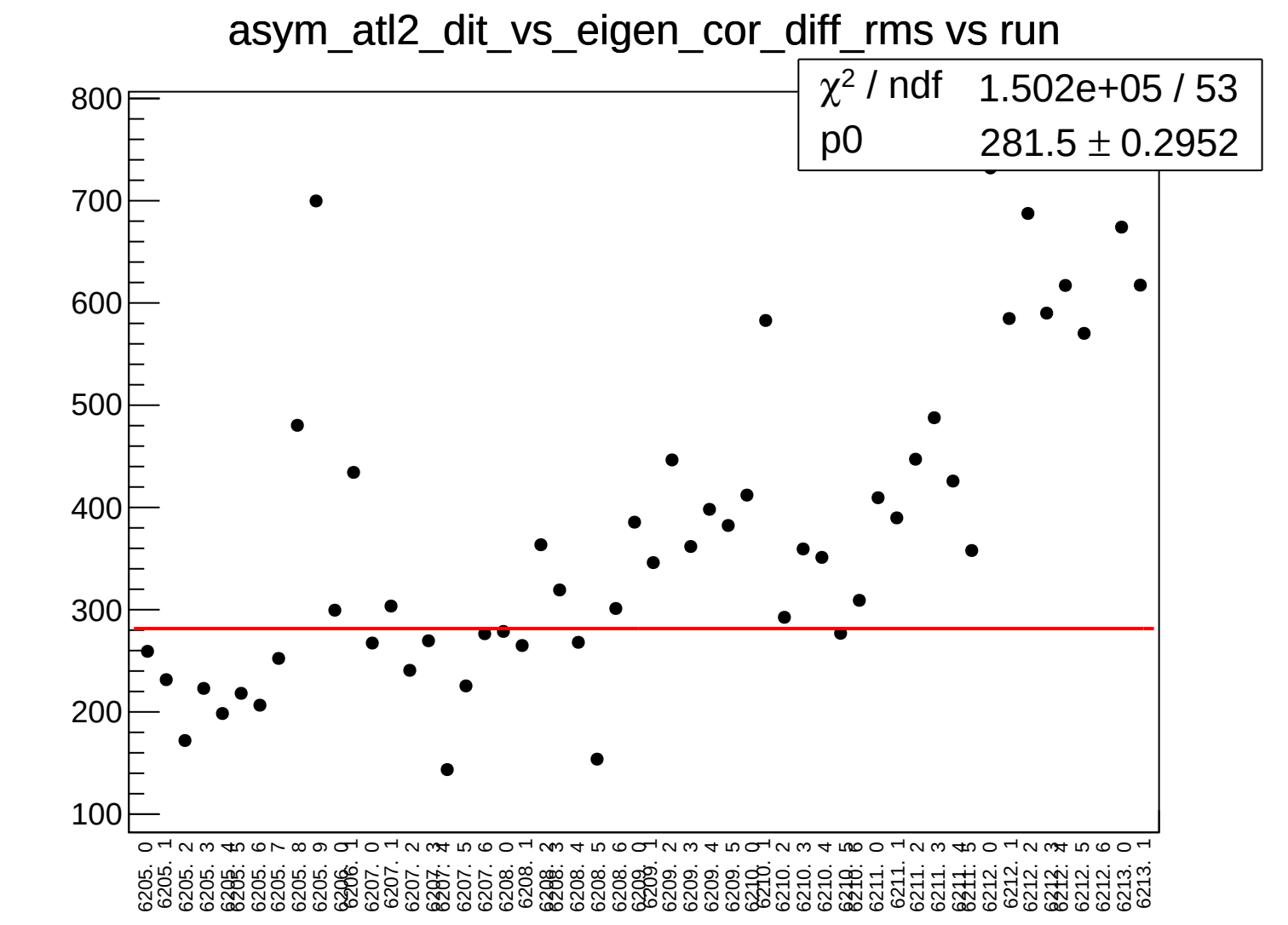

asym_atl2_dit_vs_cor_diff_mean vs run
χ² / ndf 54.87 / 53
p0 −0.9494 ± 0.4175
pull
Entries 54
Mean 28.73
Std Dev 16.08

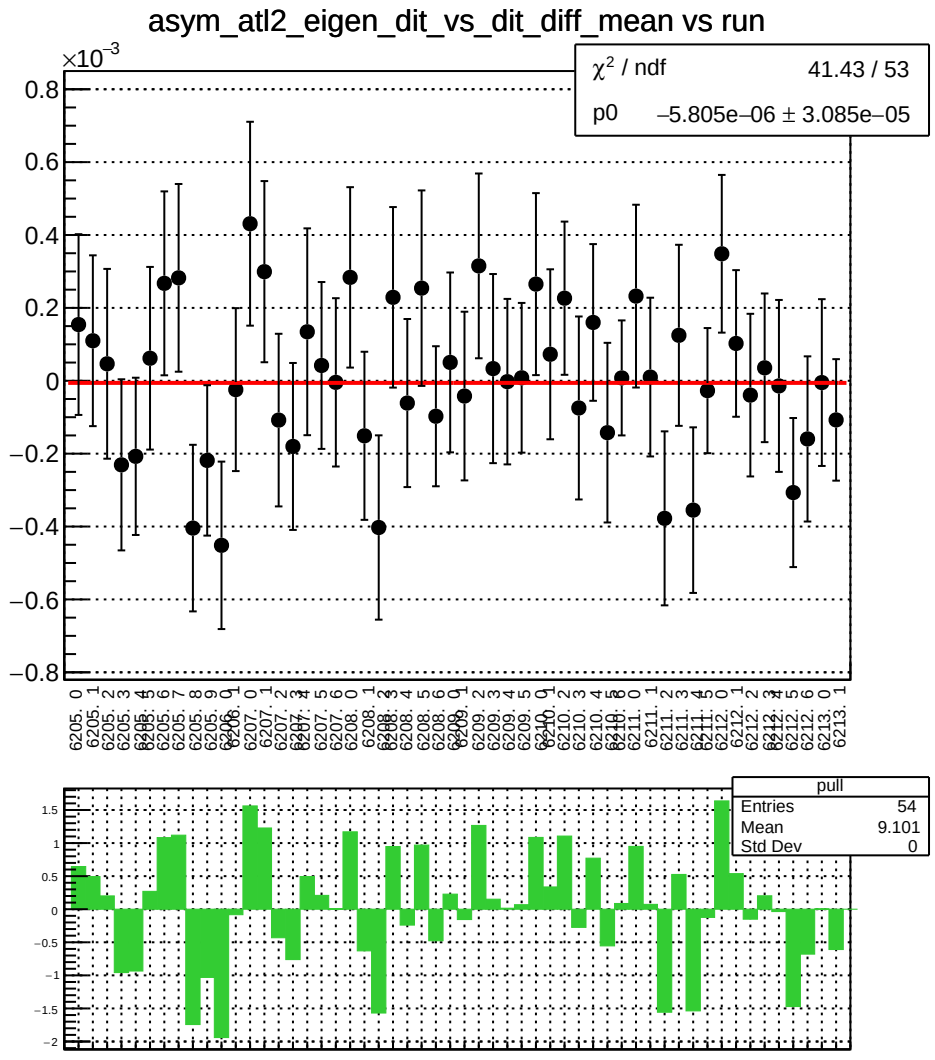

pull1D
Entries 54
Mean 0.07893
Std Dev 1.005

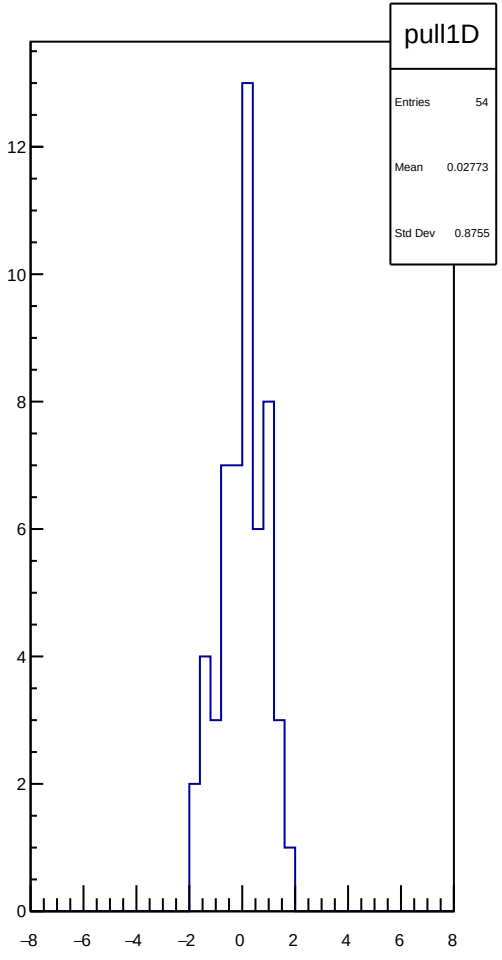

asym_atl2_dit_vs_cor_diff_rms vs run
χ² / ndf 1.502e+05 / 53
p0 281.5 ± 0.2952
800
700
600
500
400
300
200
100
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

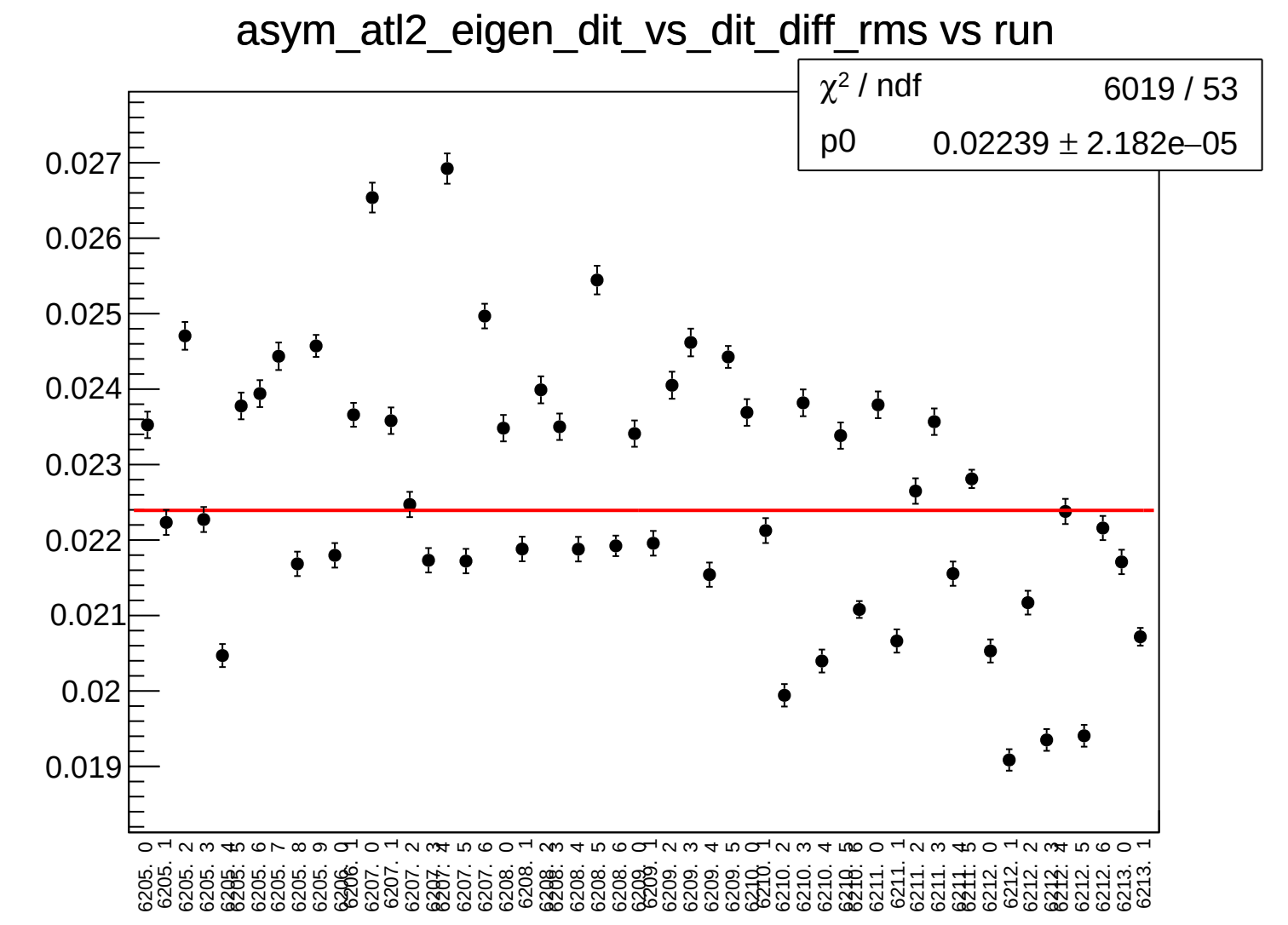

asym_atl2_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 54.87 / 53
p0 −0.9494 ± 0.4175
pull
Entries 54
Mean 28.73
Std Dev 16.08

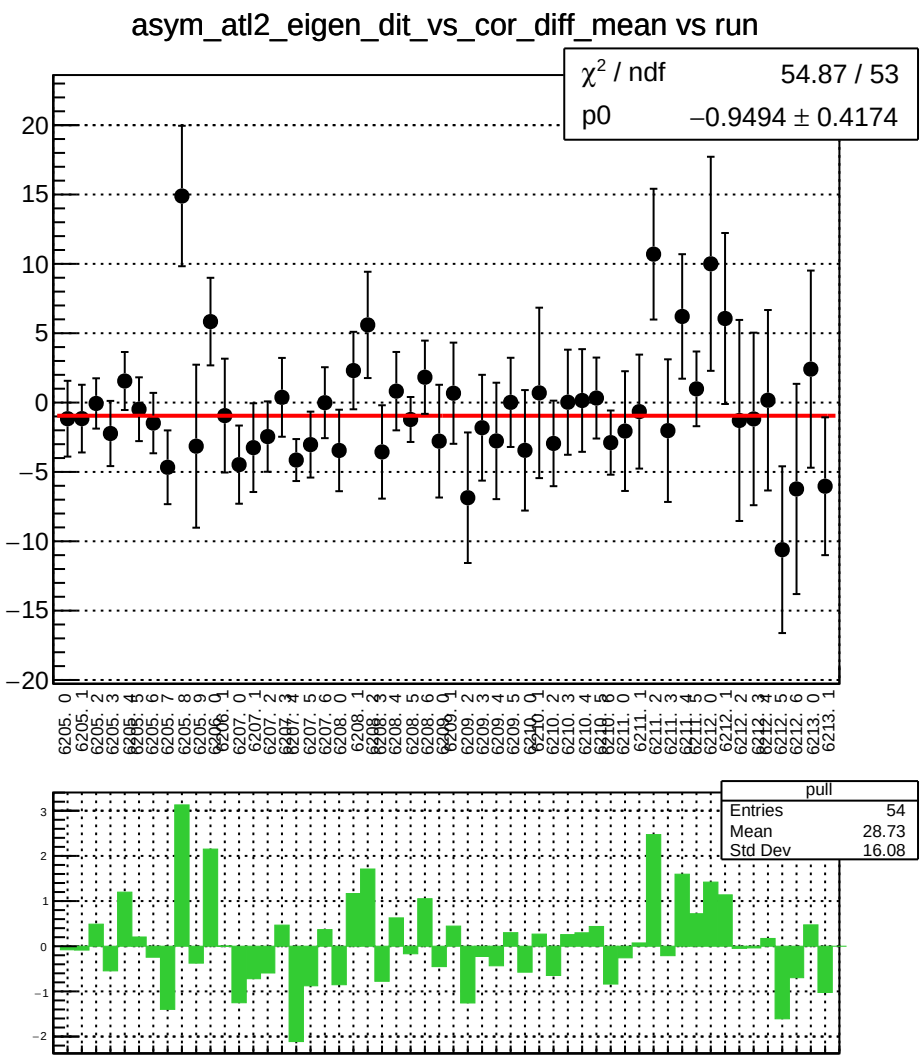

pull1D
Entries 54
Mean 0.07893
Std Dev 1.005

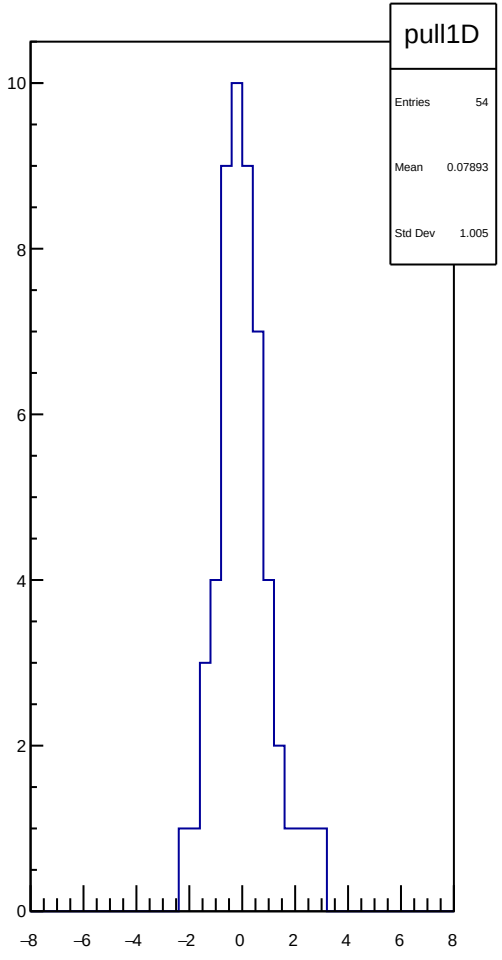

asym_atl2_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.502e+05 / 53
p0 281.5 ± 0.2952
800
700
600
500
400
300
200
100
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

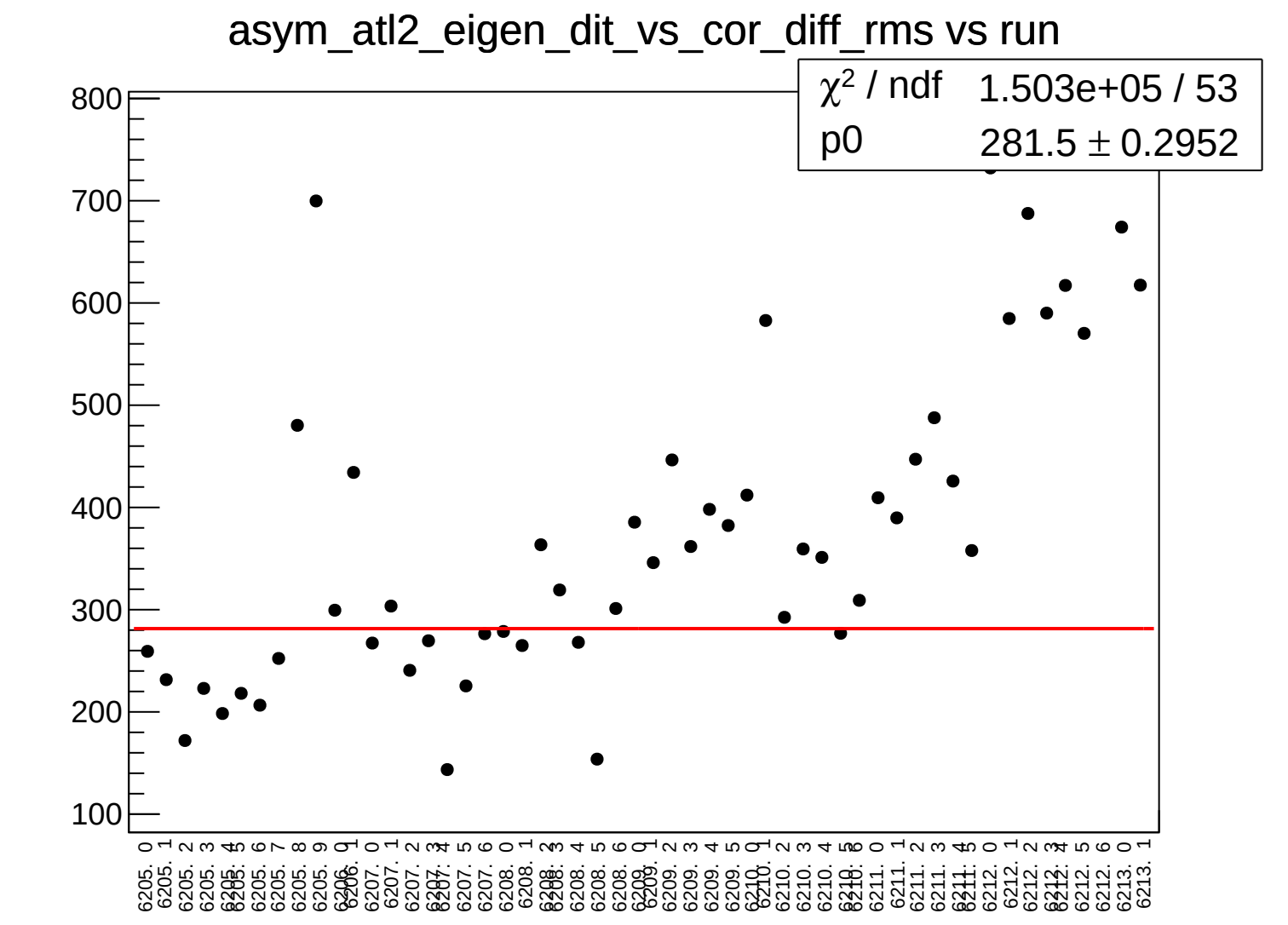

asym_atl2_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 41.43 / 53
p0 −5.805e−06 ± 3.085e−05
pull
Entries 54
Mean 9.101
Std Dev 0

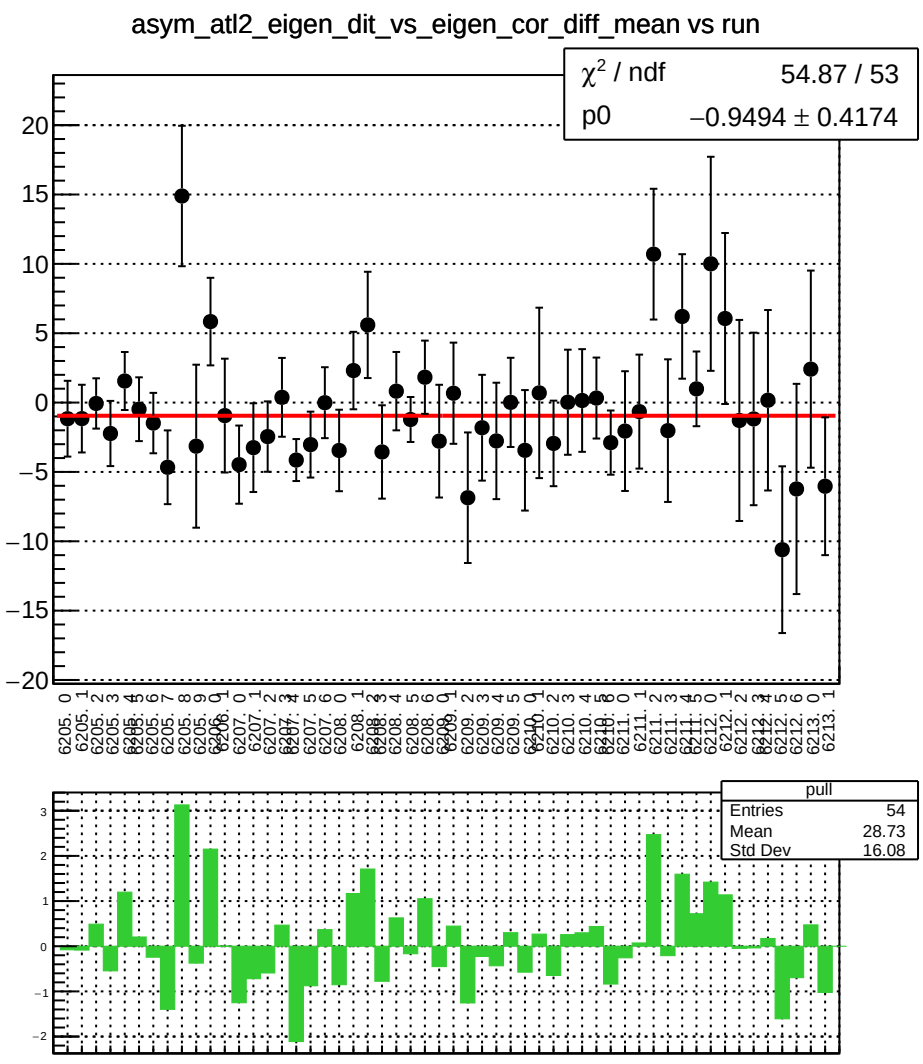

pull1D
Entries 54
Mean 0.02773
Std Dev 0.8755

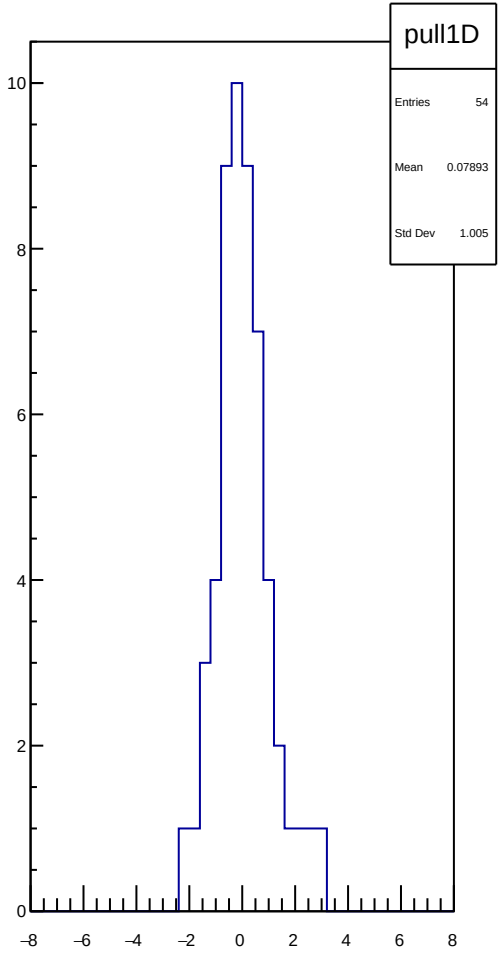

asym_atl2_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 6019 / 53
p0 0.02239 ± 2.182e–05
0.027
0.026
0.025
0.024
0.023
0.022
0.021
0.02
0.019
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 1
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

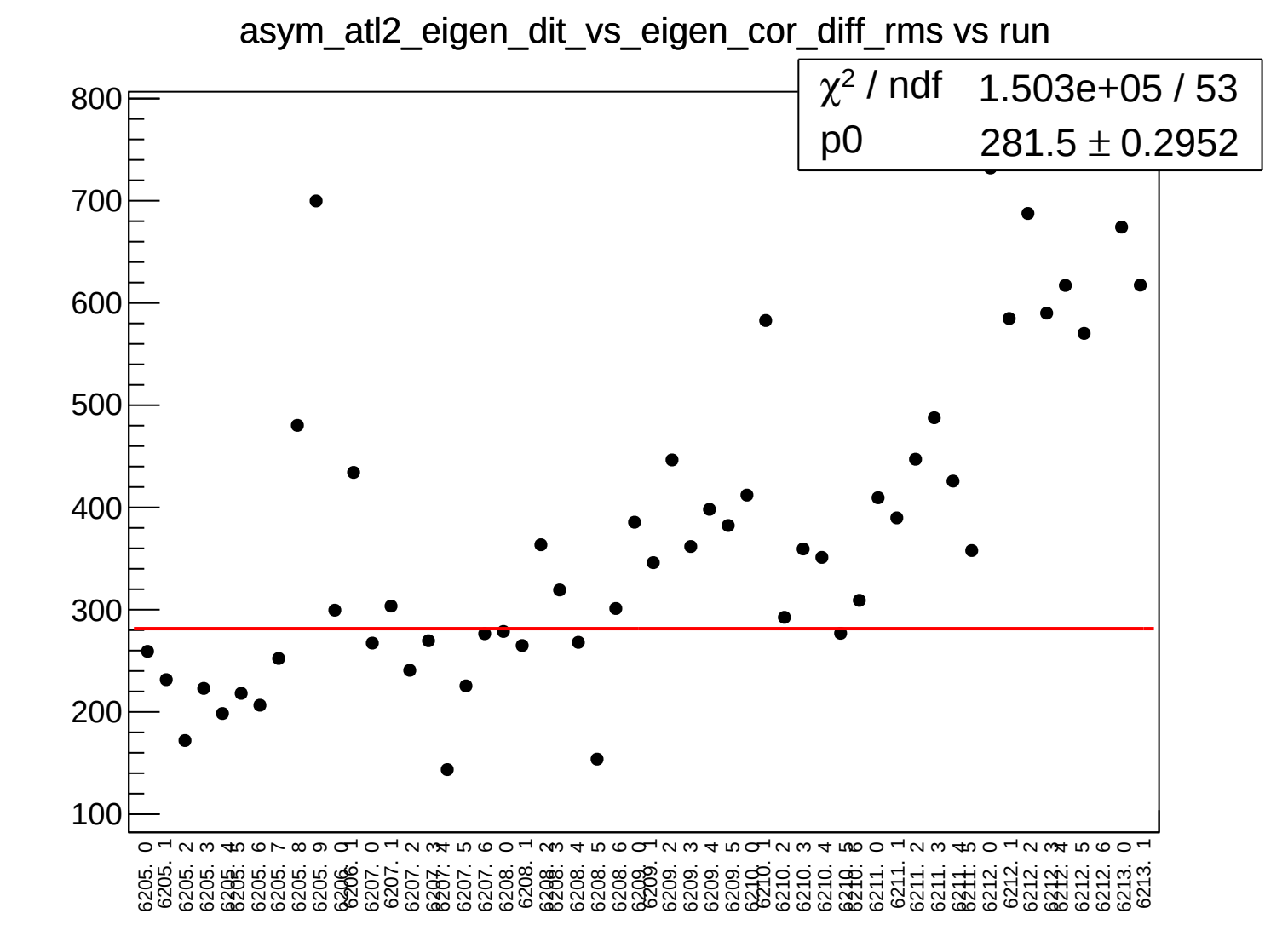

asym_atl2_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 54.87 / 53
p0 −0.9494 ± 0.4174
pull
Entries 54
Mean 28.73
Std Dev 16.08

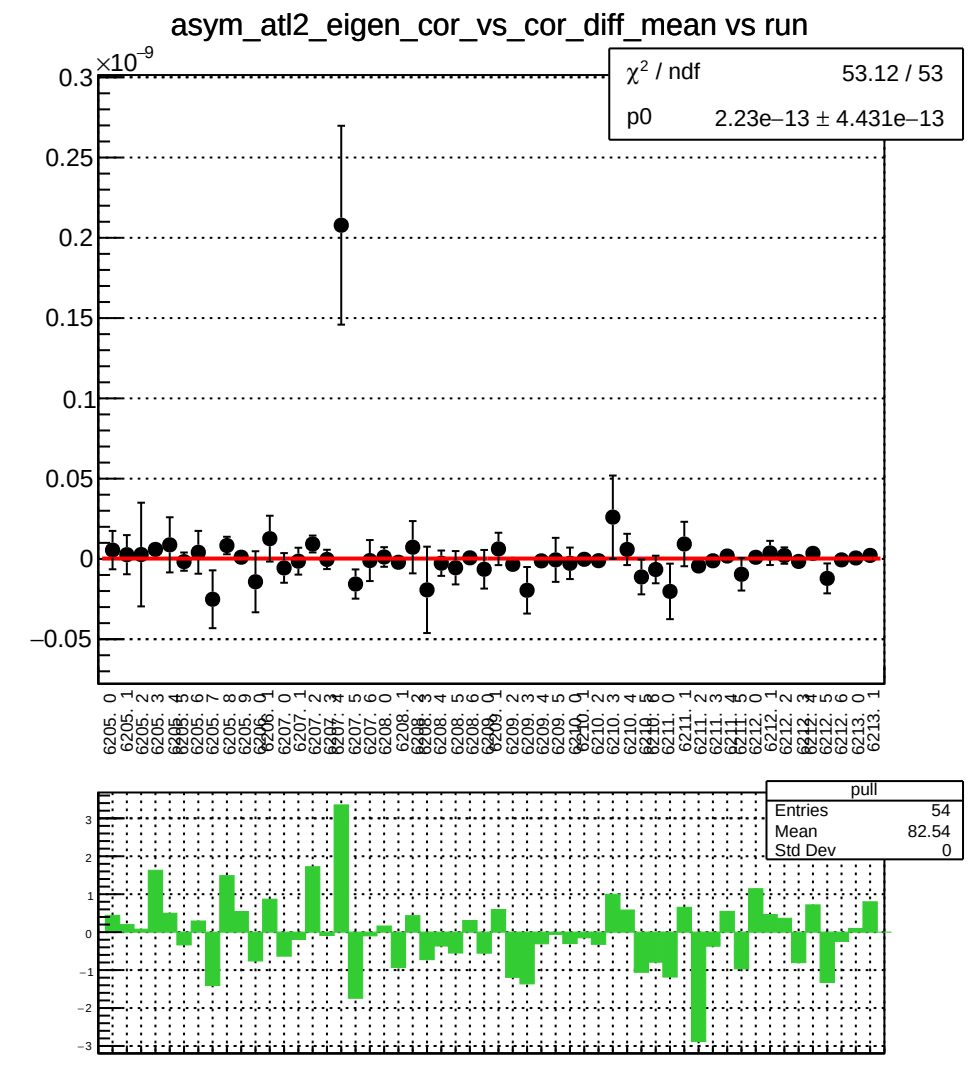

pull1D
Entries 54
Mean 0.07893
Std Dev 1.005

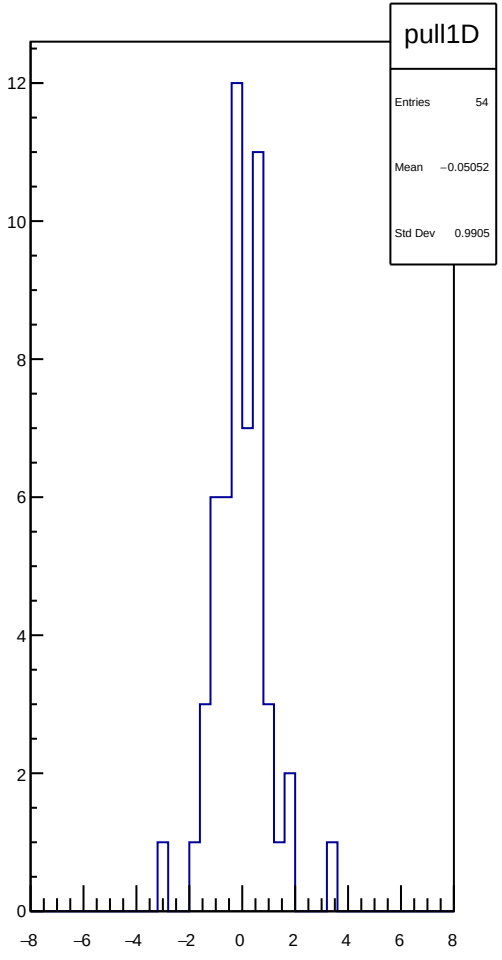

asym_atl2_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.503e+05 / 53
p0 281.5 ± 0.2952
800
700
600
500
400
300
200
100
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

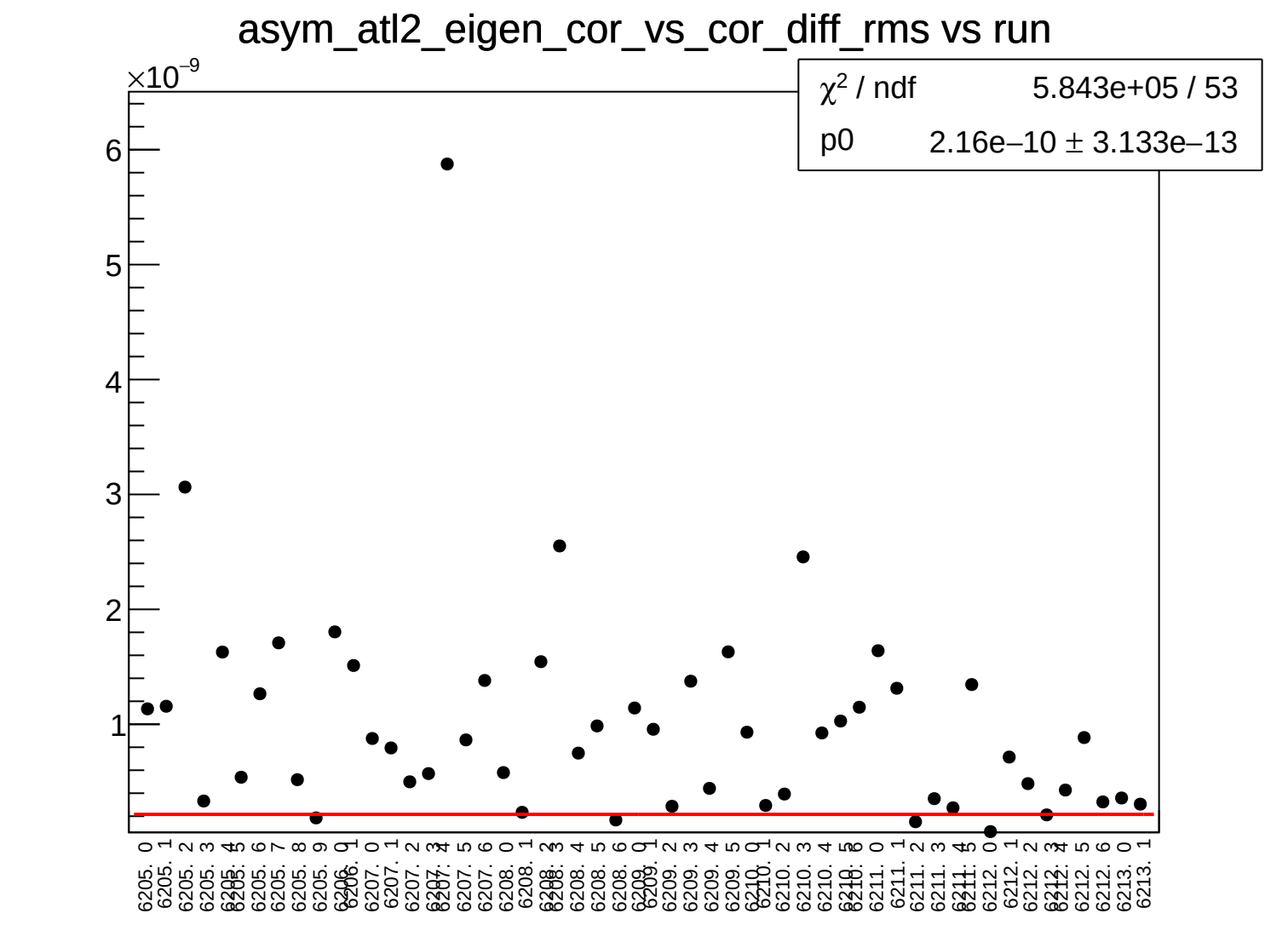

asym_atl2_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 54.87 / 53
p0 −0.9494 ± 0.4174
pull
Entries 54
Mean 28.73
Std Dev 16.08

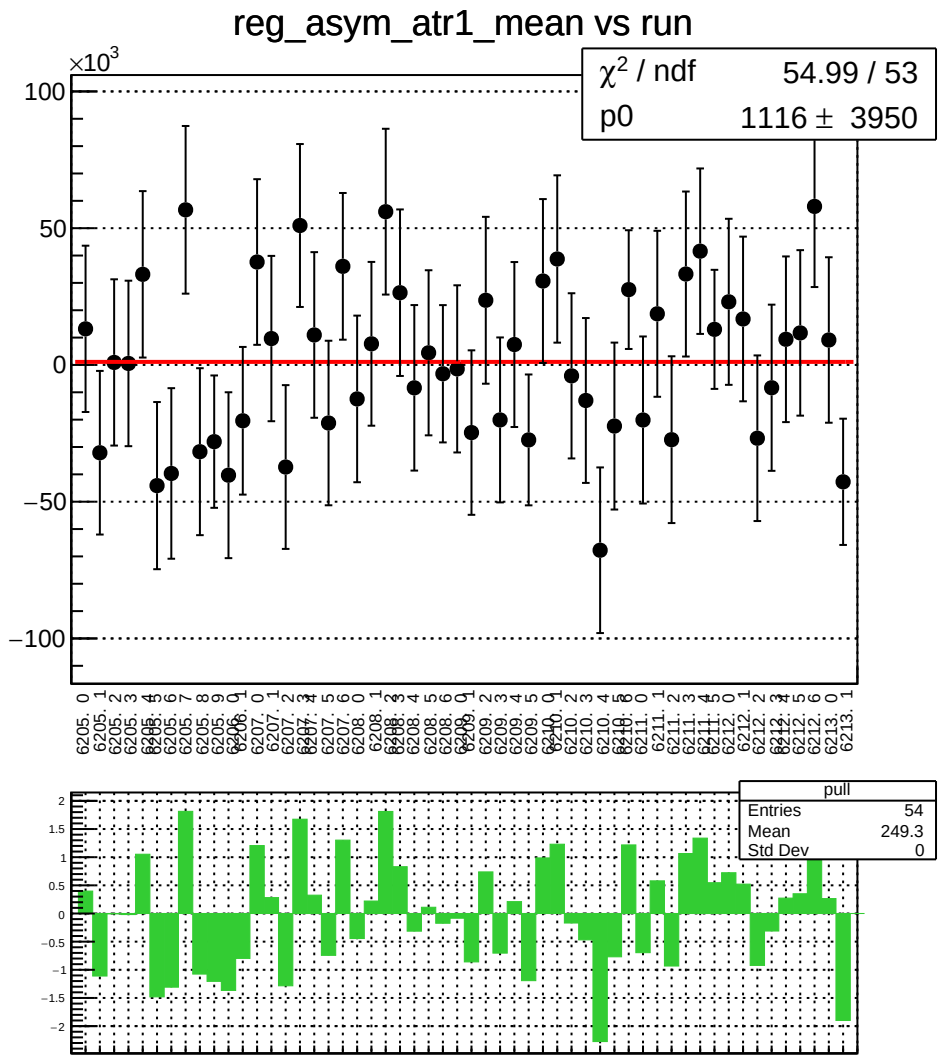

pull1D
Entries 54
Mean 0.07893
Std Dev 1.005

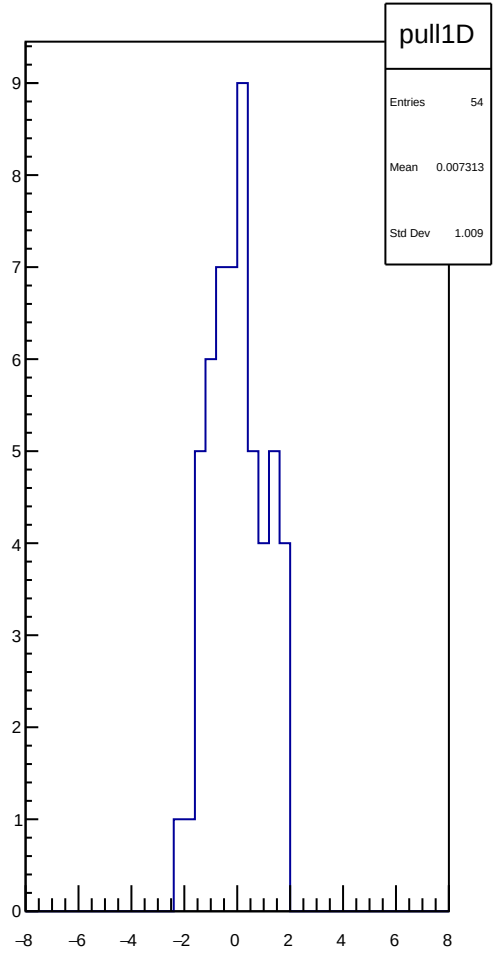

asym_atl2_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.503e+05 / 53
p0 281.5 ± 0.2952
800
700
600
500
400
300
200
100
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

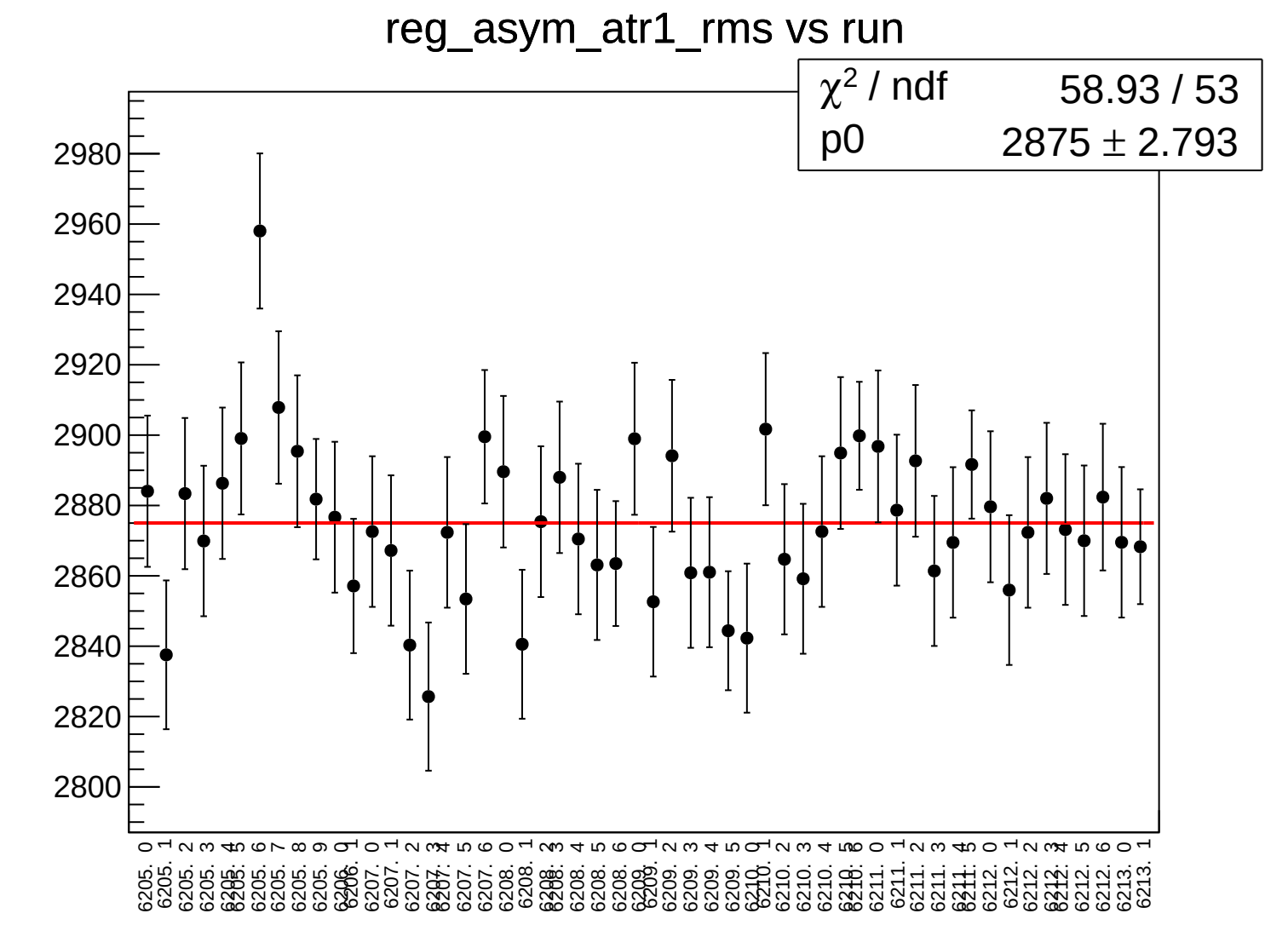

asym_atl2_eigen_cor_vs_cor_diff_mean vs run
×10⁻⁹
χ² / ndf 53.12 / 53
p0 2.23e−13 ± 4.431e−13
pull
Entries 54
Mean 82.54
Std Dev 0

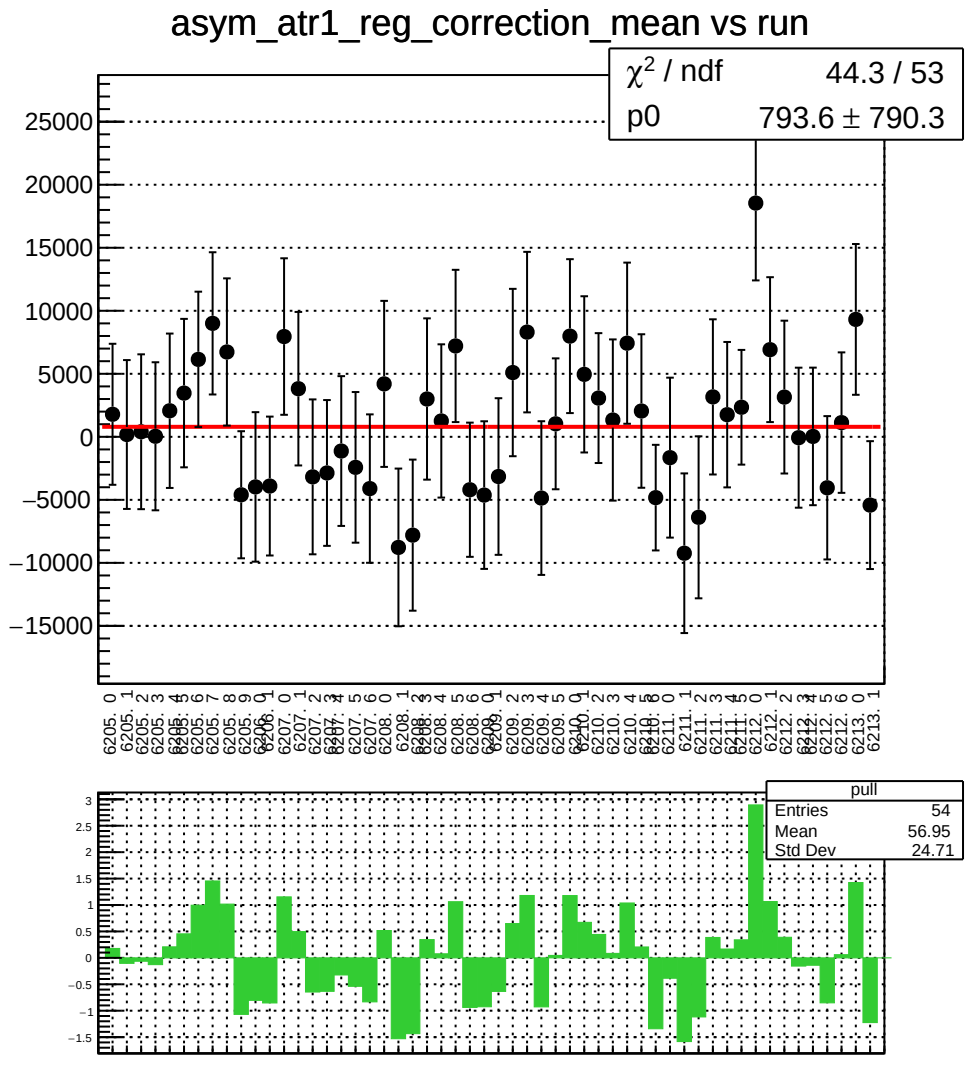

pull1D
Entries 54
Mean −0.05052
Std Dev 0.9905

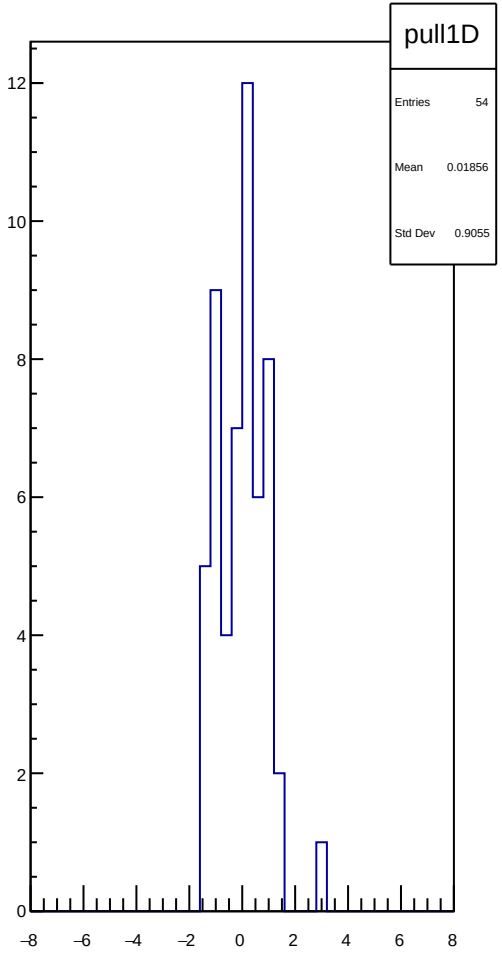

asym_atl2_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.843e+05 / 53
p0 2.16e−10 ± 3.133e−13
6
5
4
3
2
1
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

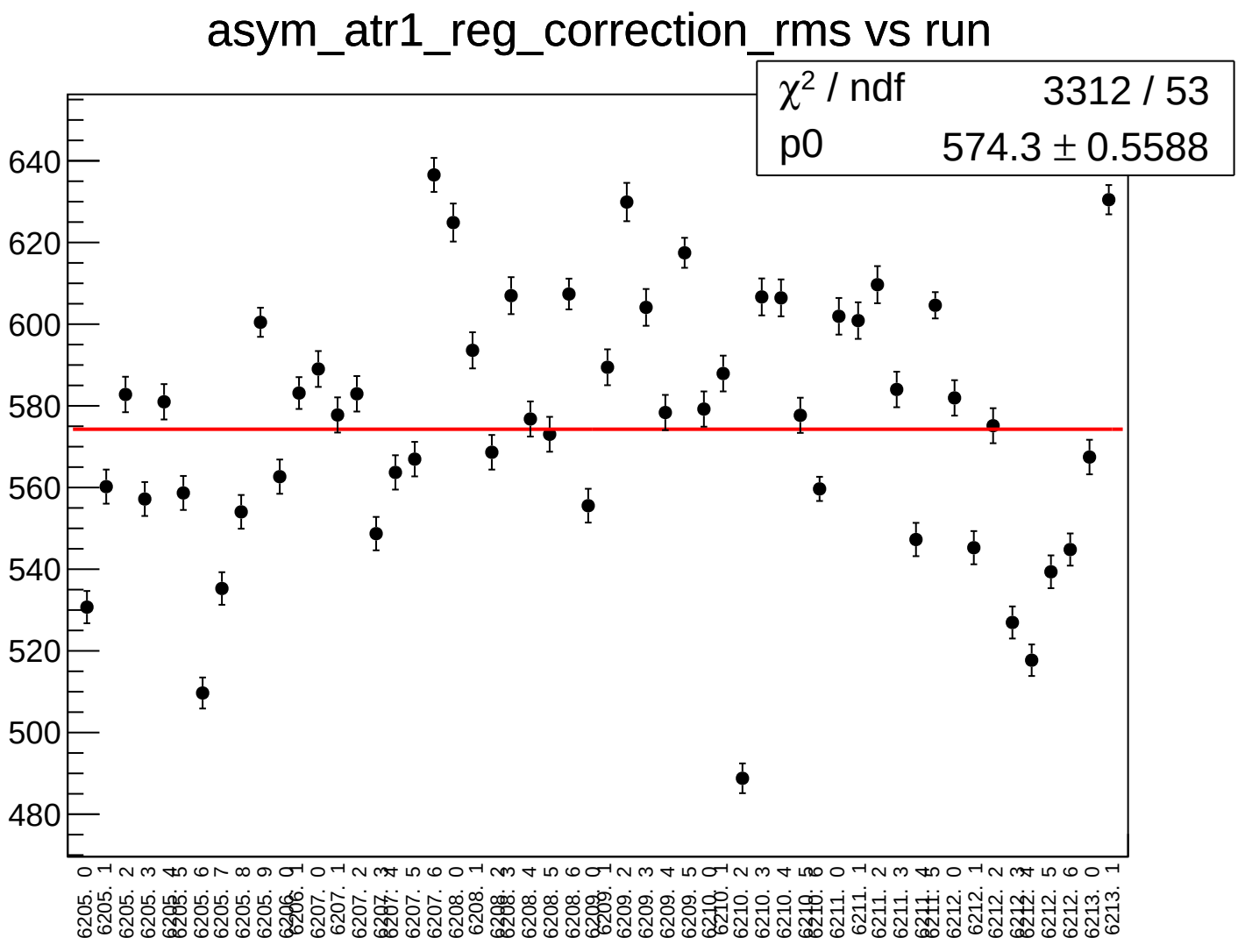

reg_asym_atr1_mean vs run
×10^3
χ² / ndf 54.99 / 53
p0 1116 ± 3950
100
50
0
−50
−100
pull
Entries 54
Mean 249.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 54
Mean 0.007313
Std Dev 1.009
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_atr1_rms vs run
χ² / ndf 58.93 / 53
p0 2875 ± 2.793
2980
2960
2940
2920
2900
2880
2860
2840
2820
2800
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_atr1_reg_correction_mean vs run
χ² / ndf 44.3 / 53
p0 793.6 ± 790.3
pull
Entries 54
Mean 56.95
Std Dev 24.71


pull1D
Entries 54
Mean 0.01856
Std Dev 0.9055


asym_atr1_reg_correction_rms vs run
χ² / ndf 3312 / 53
p0 574.3 ± 0.5588
640
620
600
580
560
540
520
500
480
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
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6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
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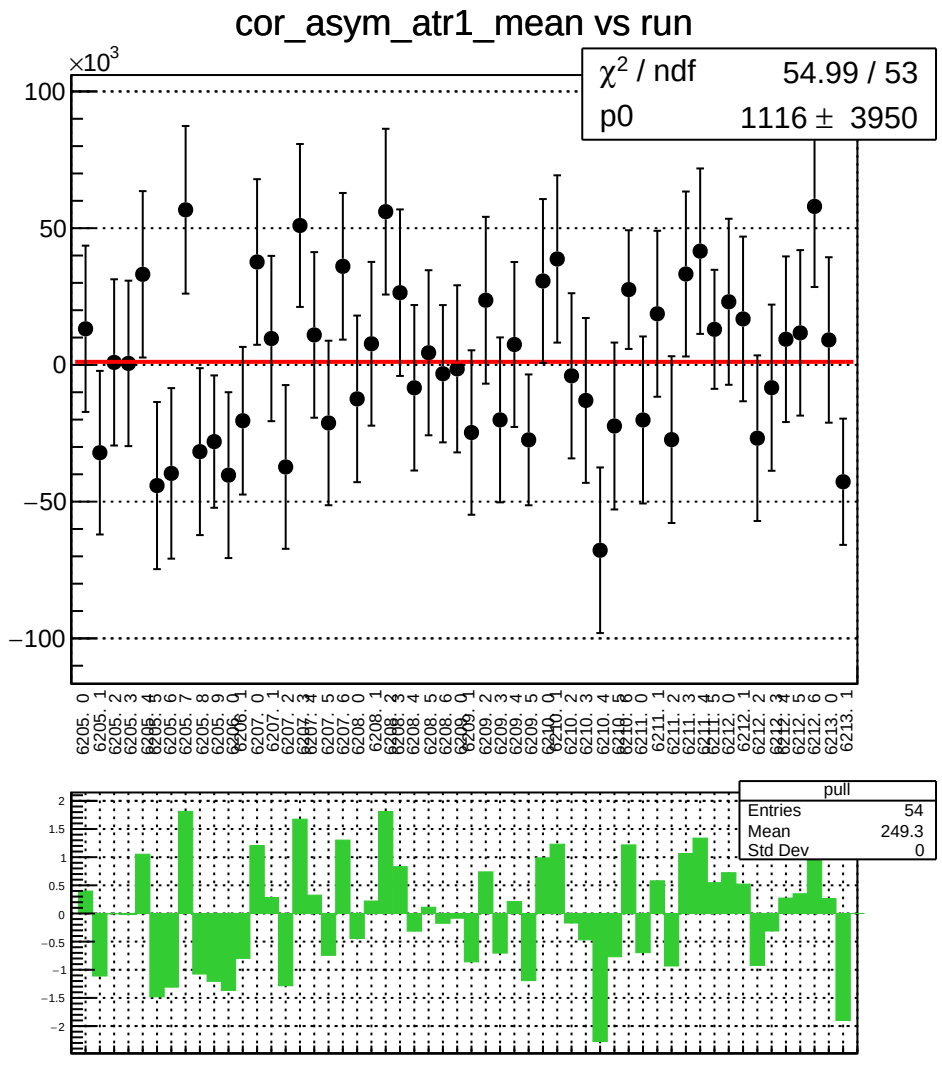
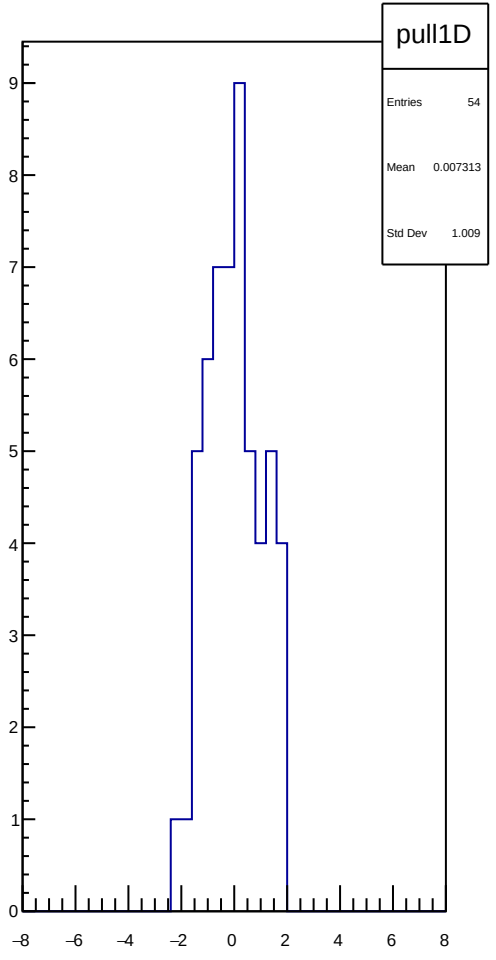
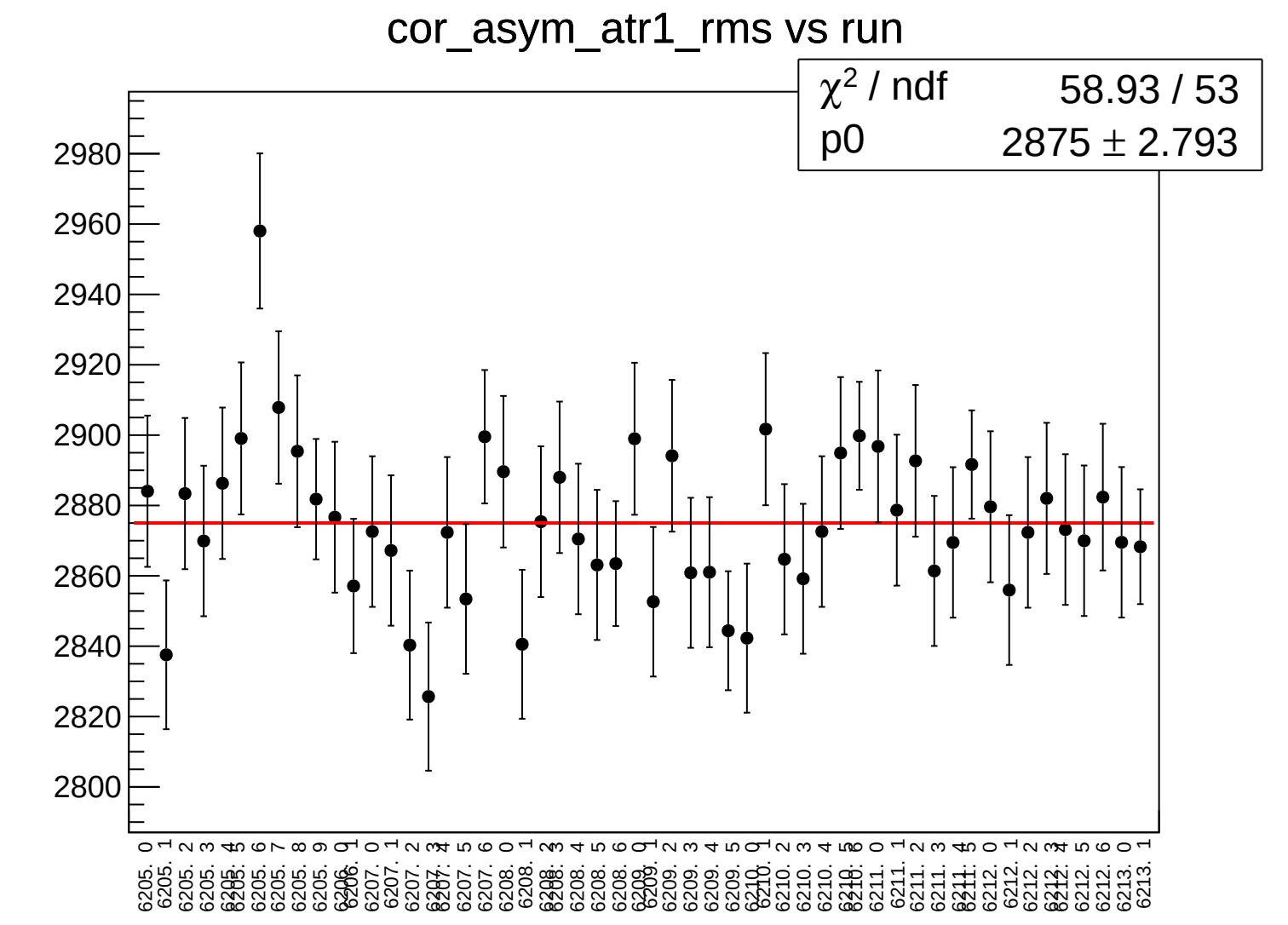
6212. 6
6213. 0
6213. 1


cor_asym_atr1_mean vs run
×10^3
χ² / ndf 54.99 / 53
p0 1116 ± 3950
100
50
0
−50
−100
pull
Entries 54
Mean 249.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 54
Mean 0.007313
Std Dev 1.009
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_atr1_rms vs run
χ² / ndf 58.93 / 53
p0 2875 ± 2.793
2980
2960
2940
2920
2900
2880
2860
2840
2820
2800
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
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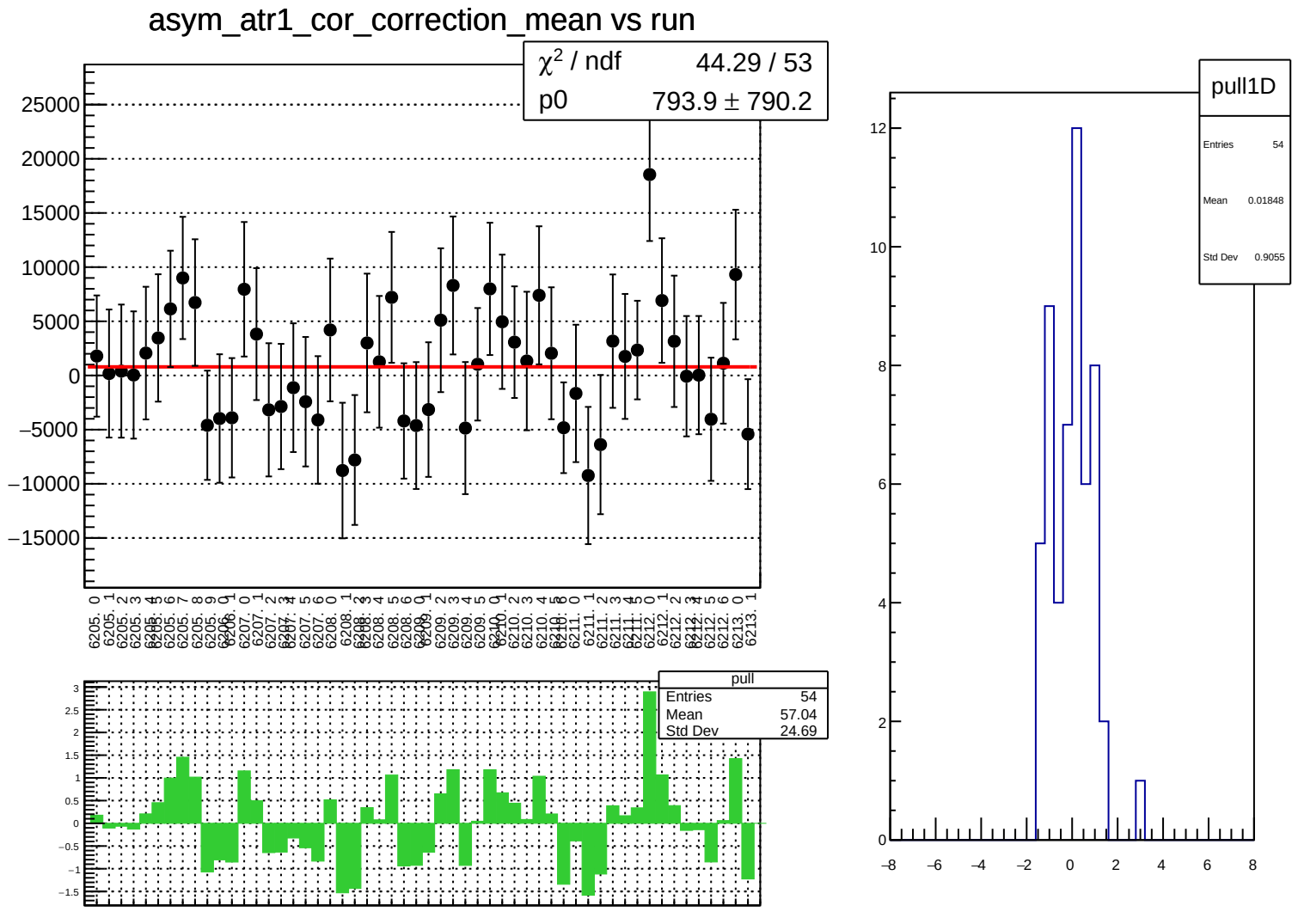
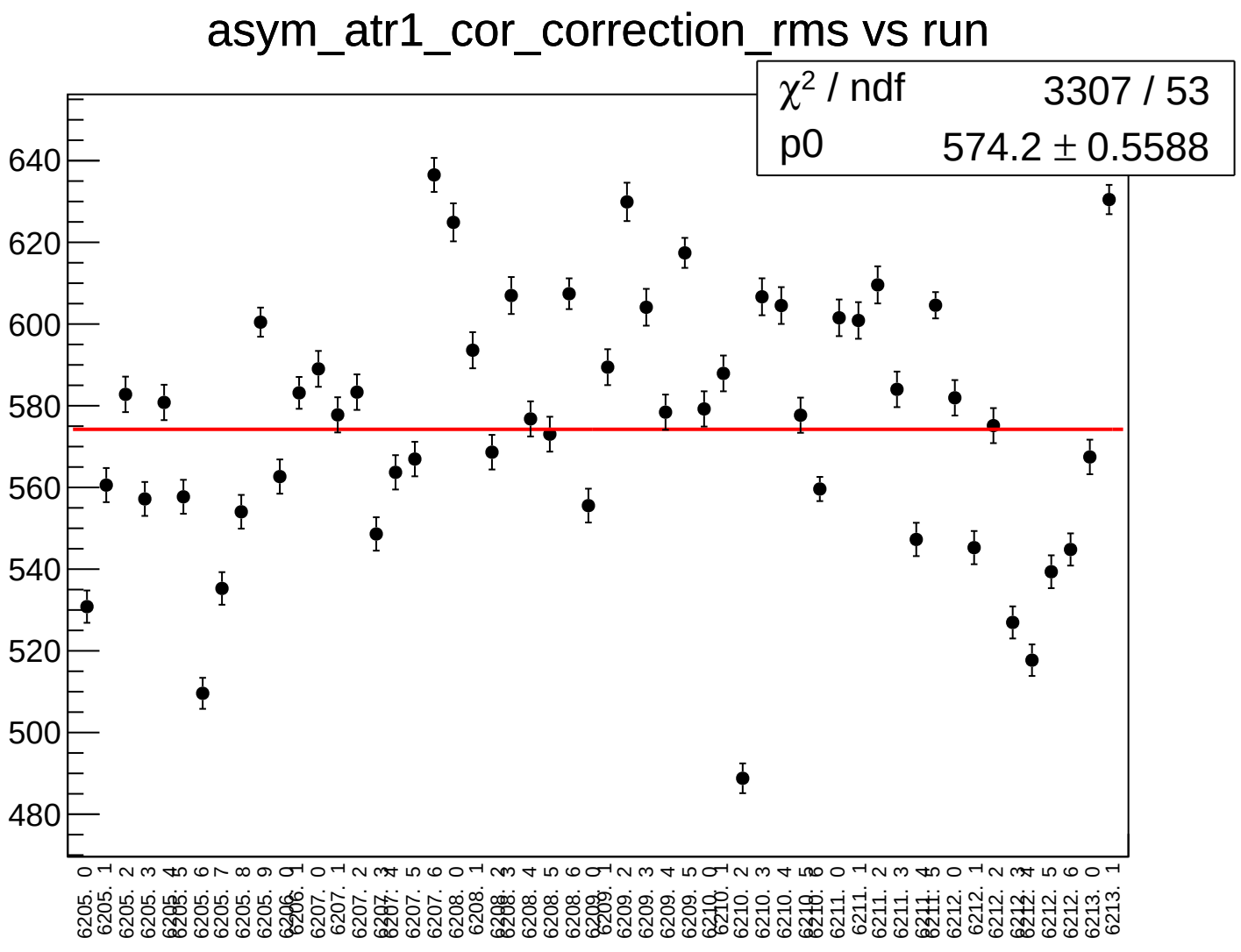
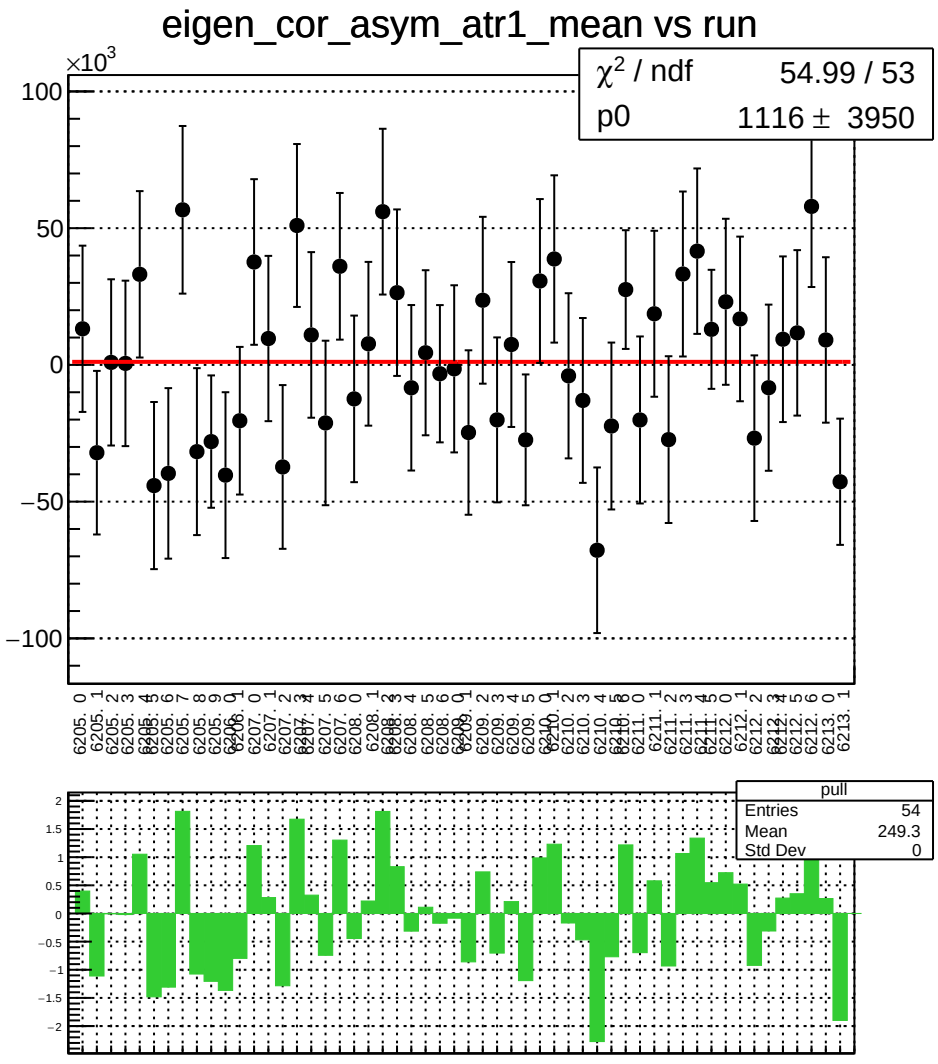
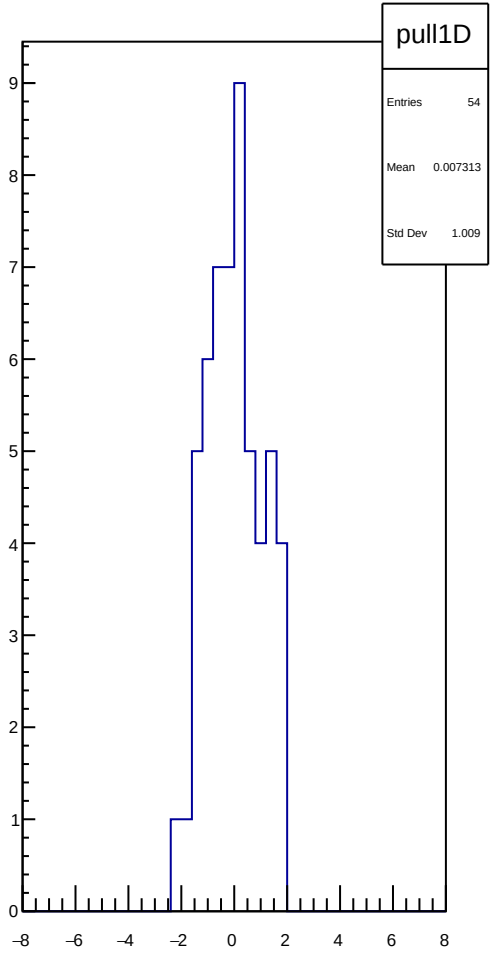
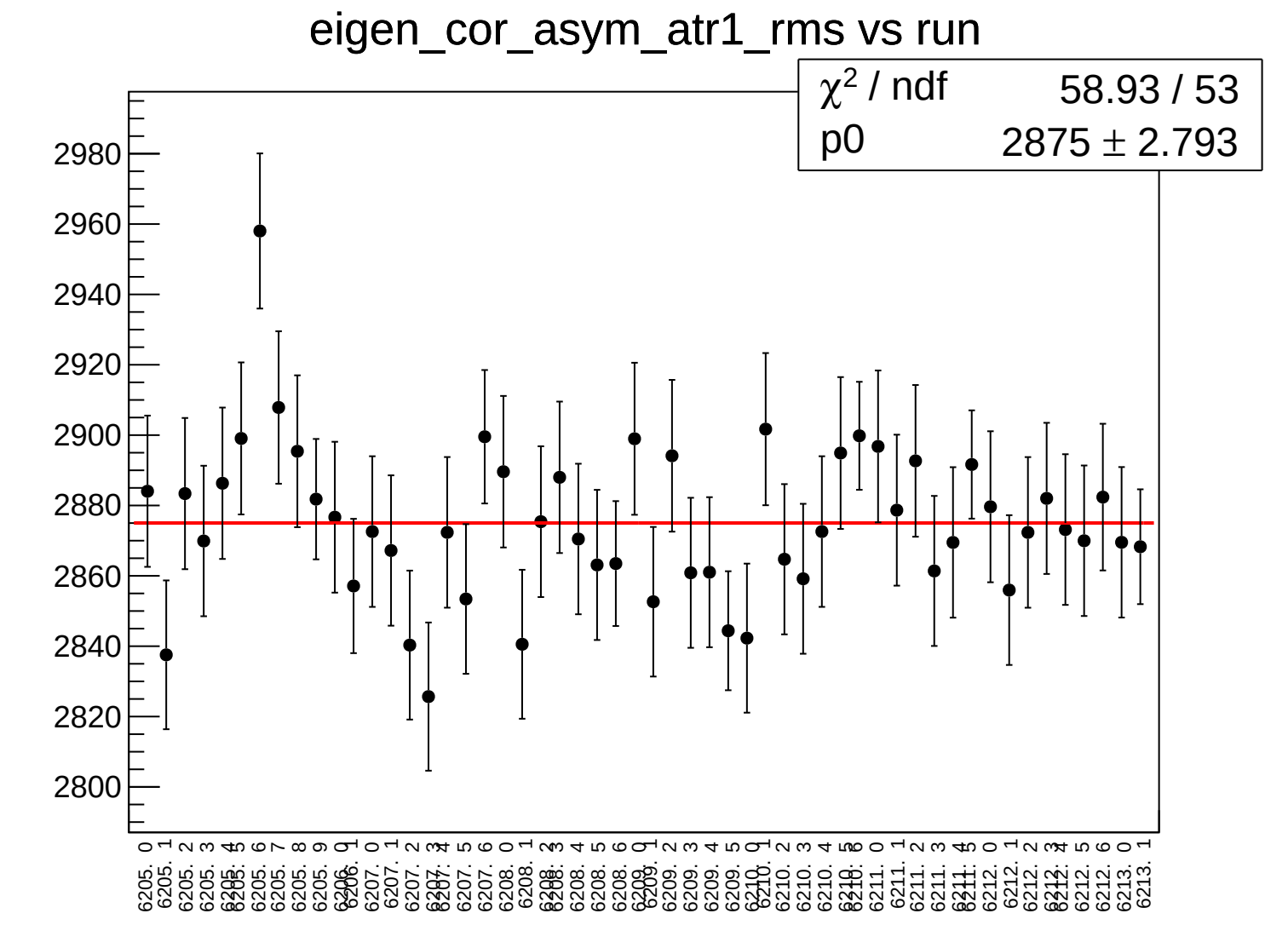
6212. 6
6213. 0
6213. 1

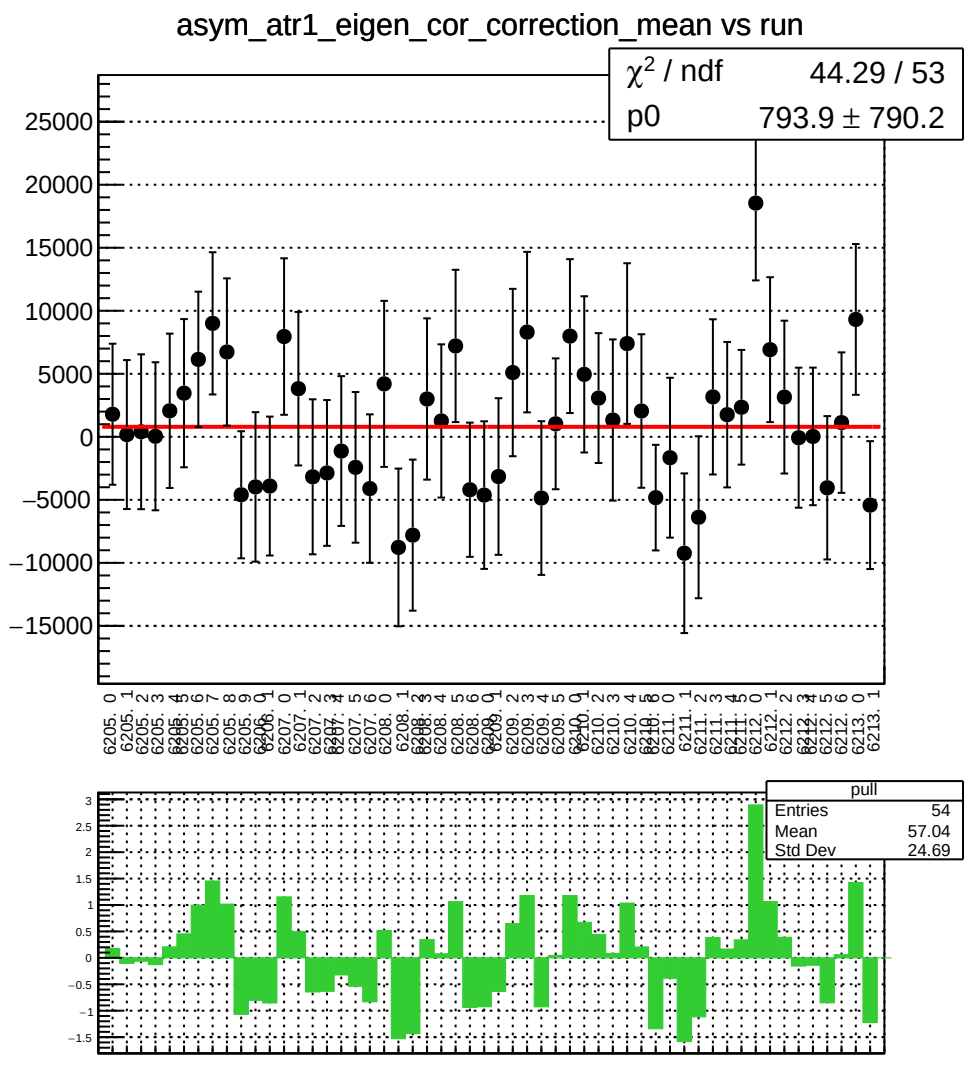

asym_atr1_cor_correction_mean vs run
χ² / ndf 44.29 / 53
p0 793.9 ± 790.2
pull
Entries 54
Mean 57.04
Std Dev 24.69
pull1D
Entries 54
Mean 0.01848
Std Dev 0.9055

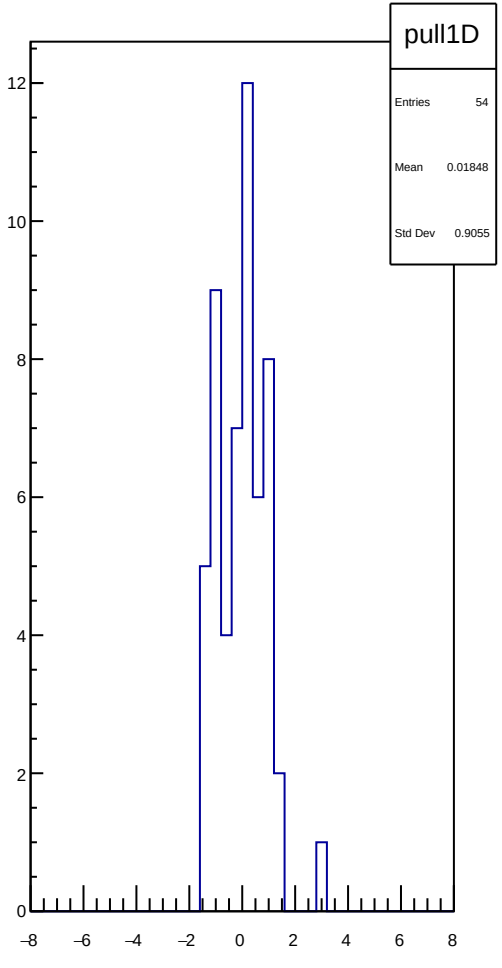

asym_atr1_cor_correction_rms vs run
χ² / ndf 3307 / 53
p0 574.2 ± 0.5588
640
620
600
580
560
540
520
500
480

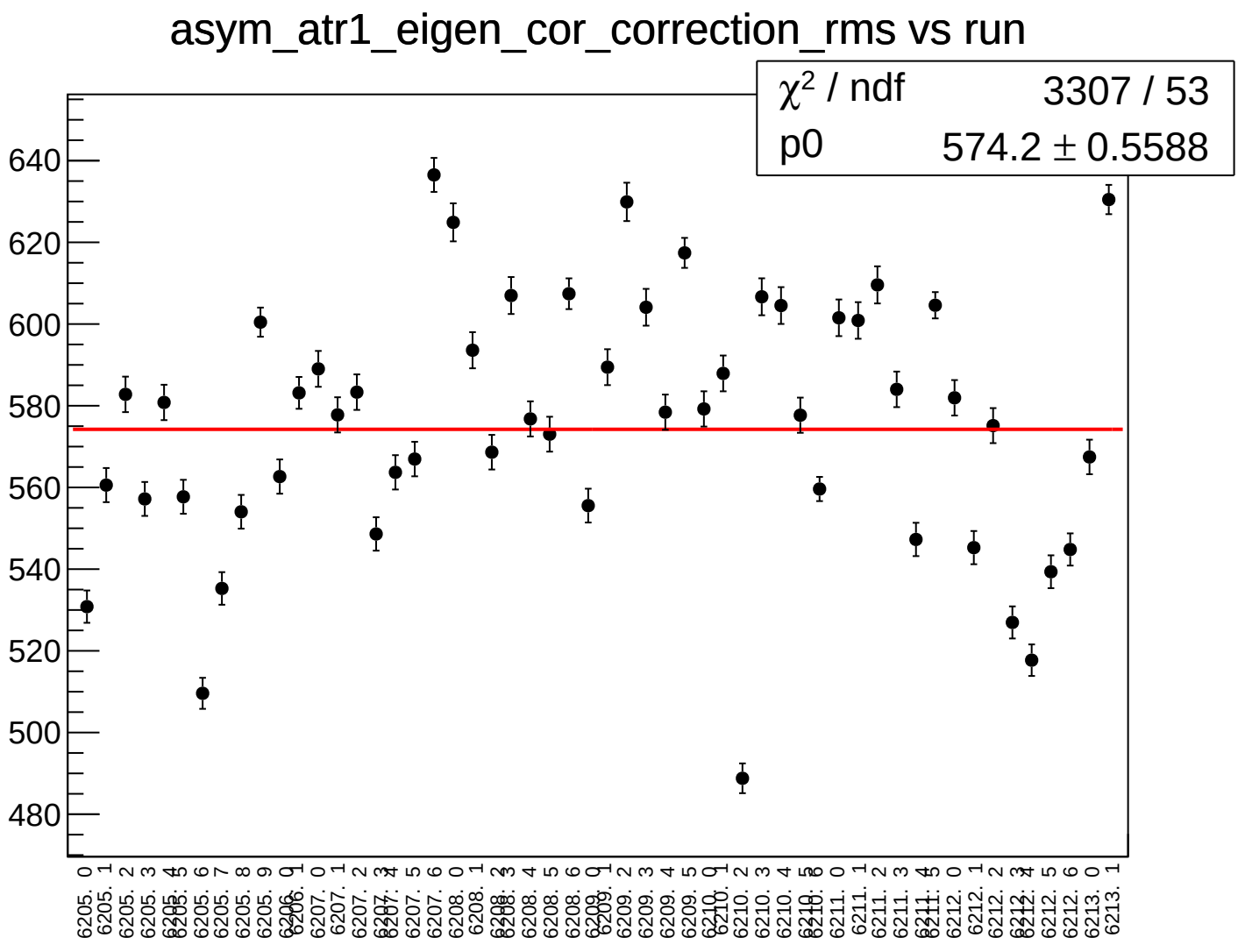

eigen_cor_asym_atr1_mean vs run
×10^3
χ² / ndf 54.99 / 53
p0 1116 ± 3950
100
50
0
−50
−100
pull
Entries 54
Mean 249.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 54
Mean 0.007313
Std Dev 1.009
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_atr1_rms vs run
χ² / ndf 58.93 / 53
p0 2875 ± 2.793
2980
2960
2940
2920
2900
2880
2860
2840
2820
2800
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_atr1_eigen_cor_correction_mean vs run
χ² / ndf 44.29 / 53
p0 793.9 ± 790.2
pull
Entries 54
Mean 57.04
Std Dev 24.69


pull1D
Entries 54
Mean 0.01848
Std Dev 0.9055


asym_atr1_eigen_cor_correction_rms vs run
χ² / ndf 3307 / 53
p0 574.2 ± 0.5588
640
620
600
580
560
540
520
500
480
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
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6208. 2
6208. 3
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6208. 5
6208. 6
6209. 0
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6209. 2
6209. 3
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6210. 2
6210. 3
6210. 4
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6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
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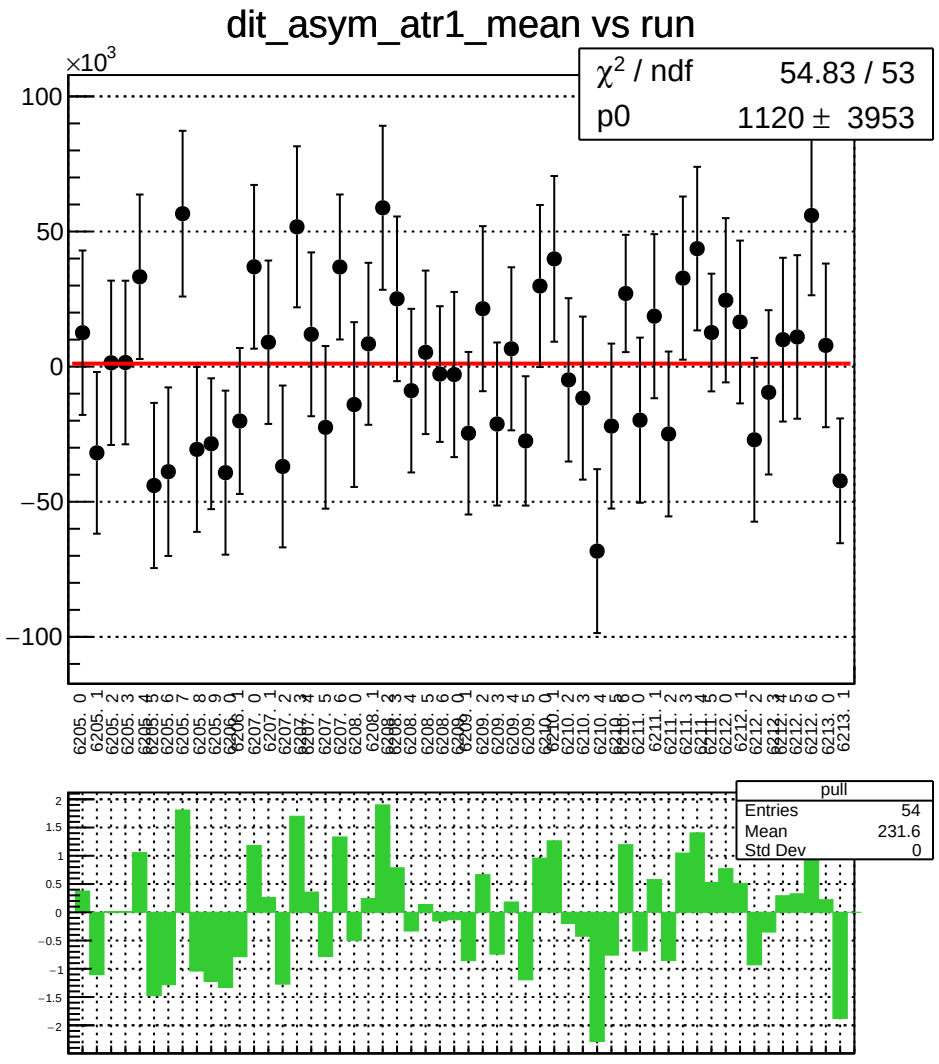
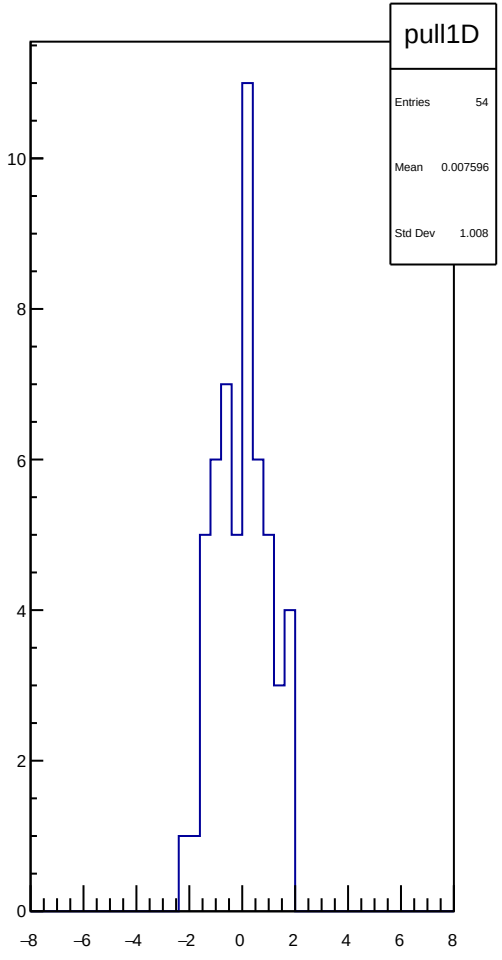
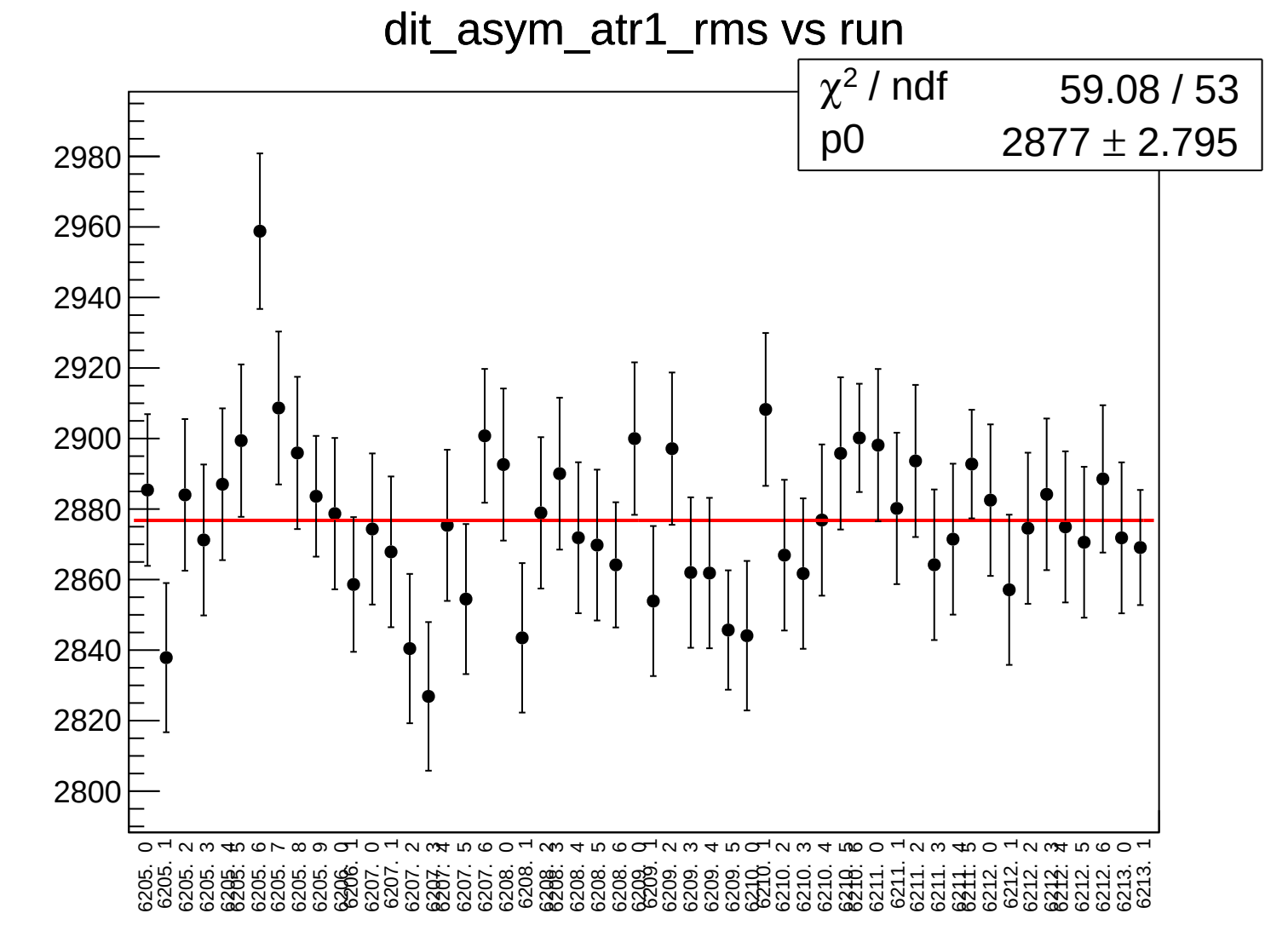
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


dit_asym_atr1_mean vs run
×10^3
χ² / ndf 54.83 / 53
p0 1120 ± 3953
100
50
0
−50
−100
pull
Entries 54
Mean 231.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 54
Mean 0.007596
Std Dev 1.008
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_atr1_rms vs run
χ² / ndf 59.08 / 53
p0 2877 ± 2.795
2980
2960
2940
2920
2900
2880
2860
2840
2820
2800
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
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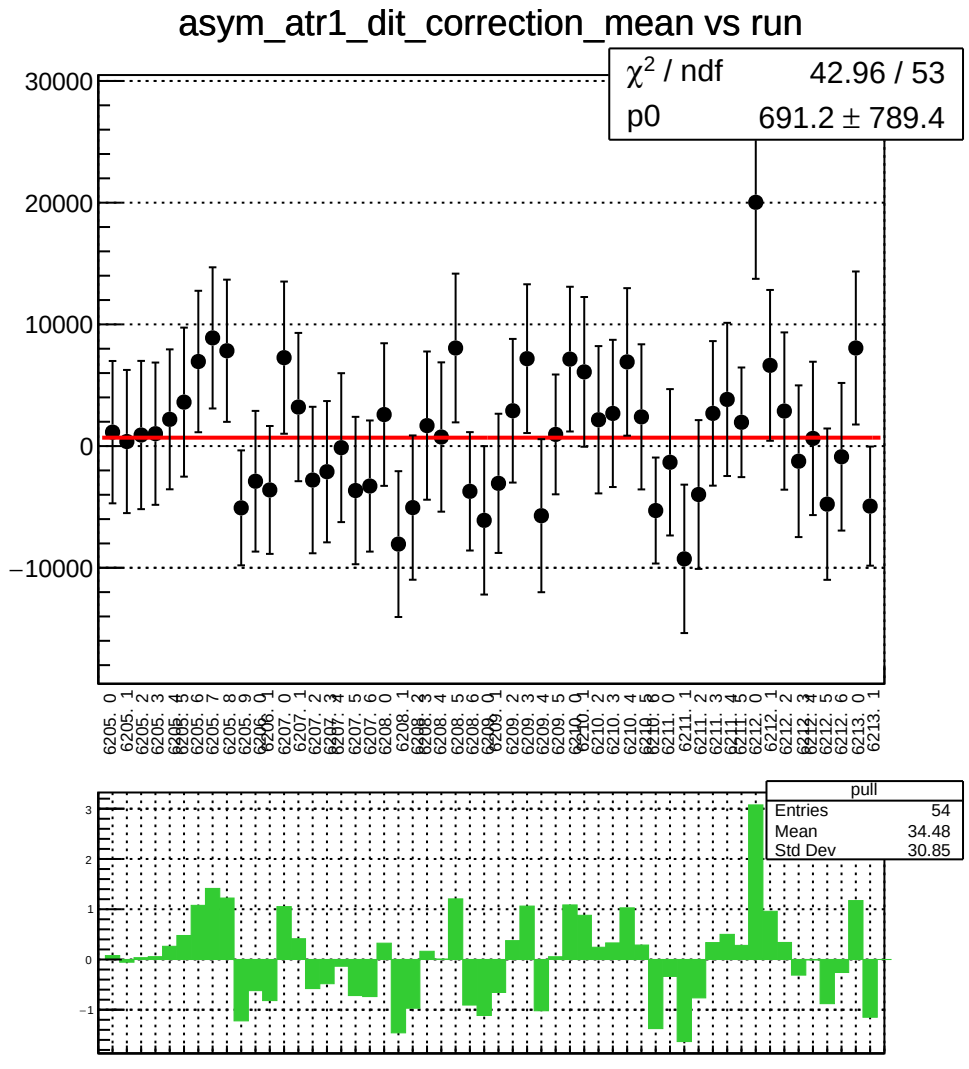
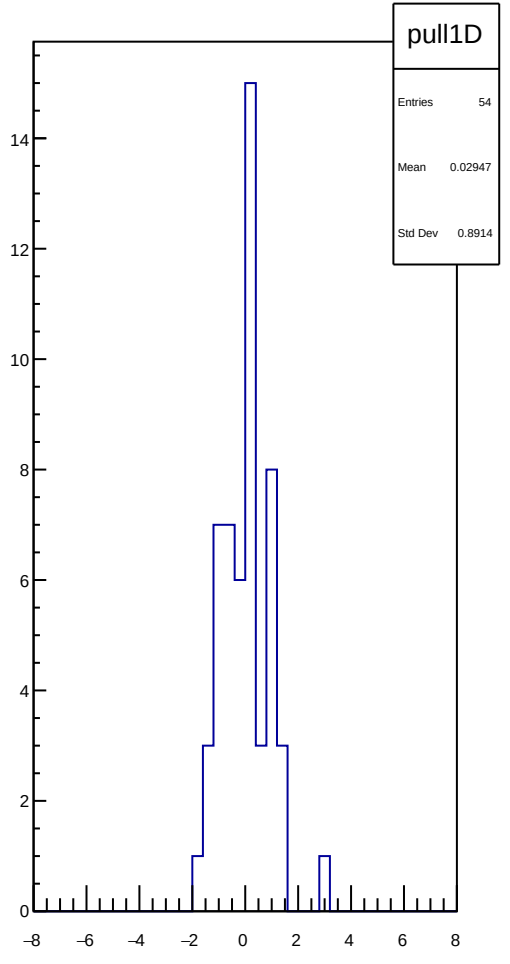
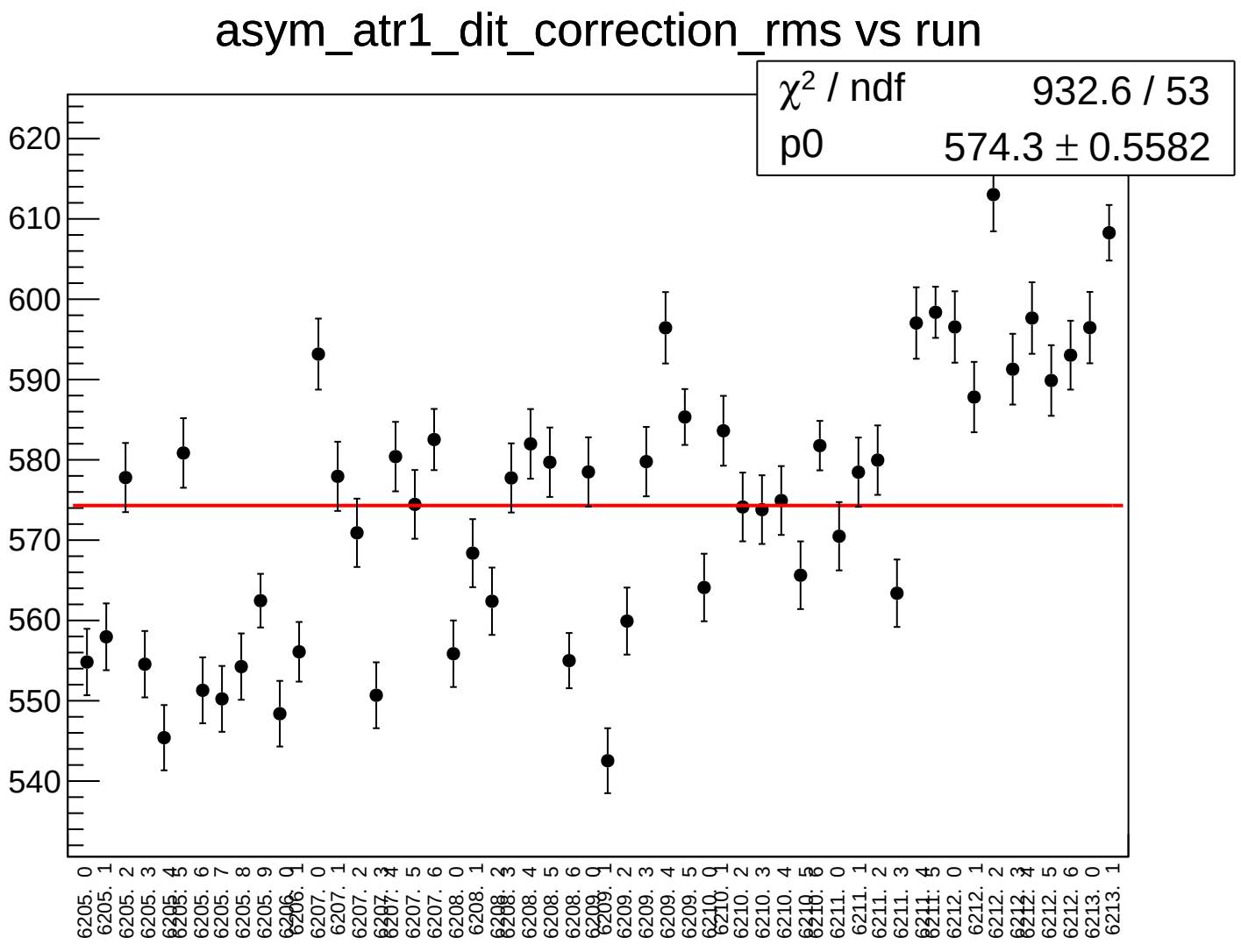
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_atr1_dit_correction_mean vs run
χ² / ndf 42.96 / 53
p0 691.2 ± 789.4
30000
20000
10000
0
−10000
pull
Entries 54
Mean 34.48
Std Dev 30.85
3
2
1
0
−1


pull1D
Entries 54
Mean 0.02947
Std Dev 0.8914
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atr1_dit_correction_rms vs run
χ² / ndf 932.6 / 53
p0 574.3 ± 0.5582
620
610
600
590
580
570
560
550
540
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
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6212. 5
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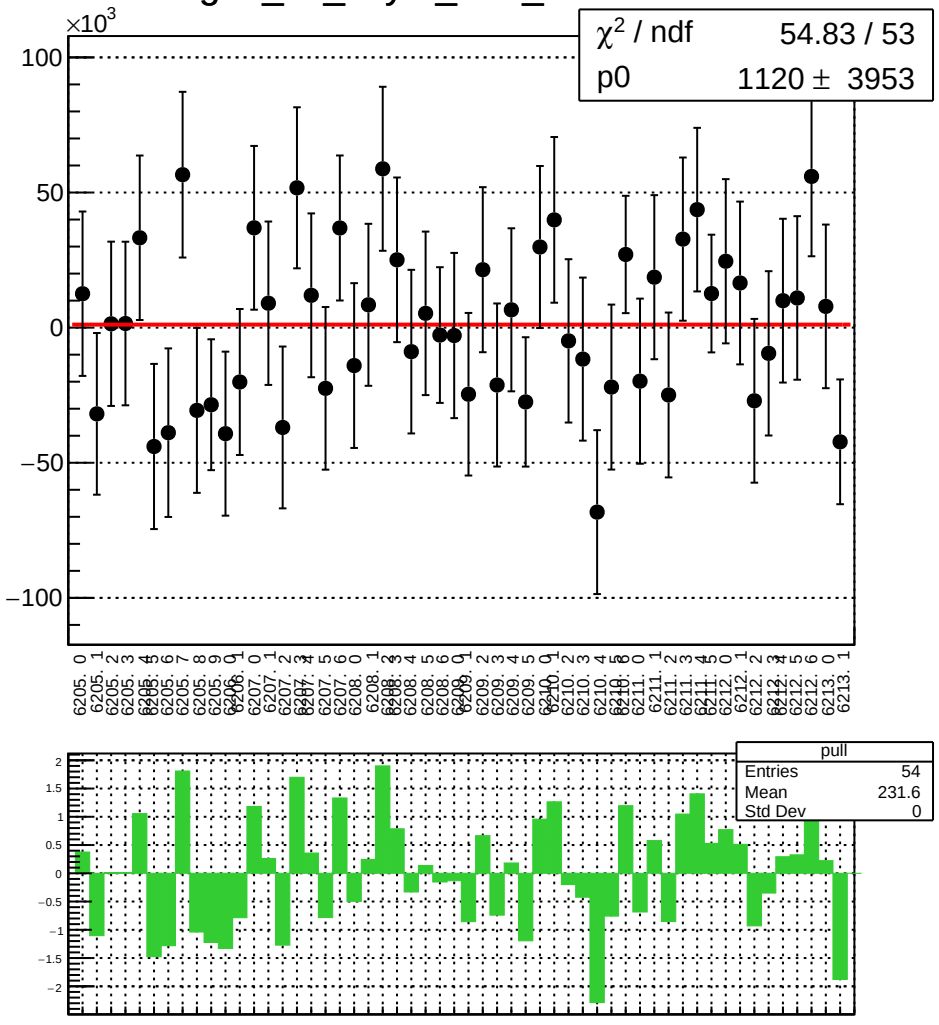
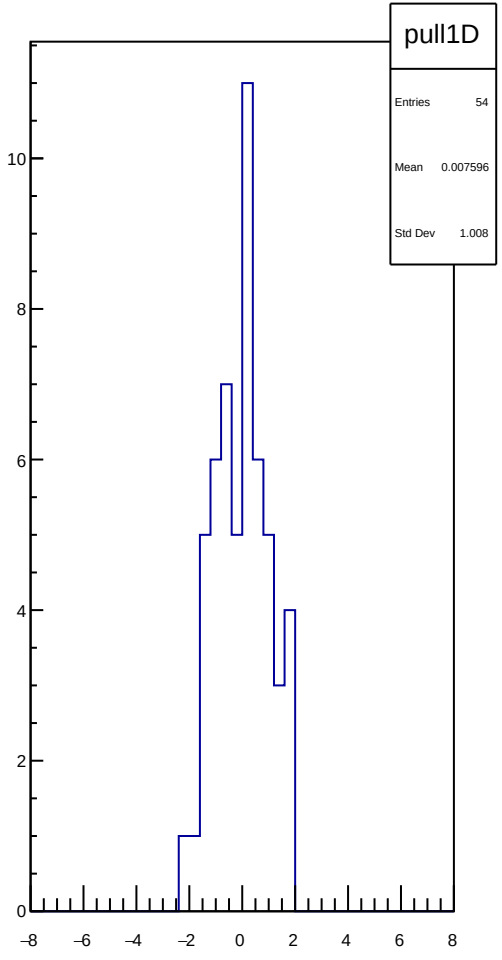
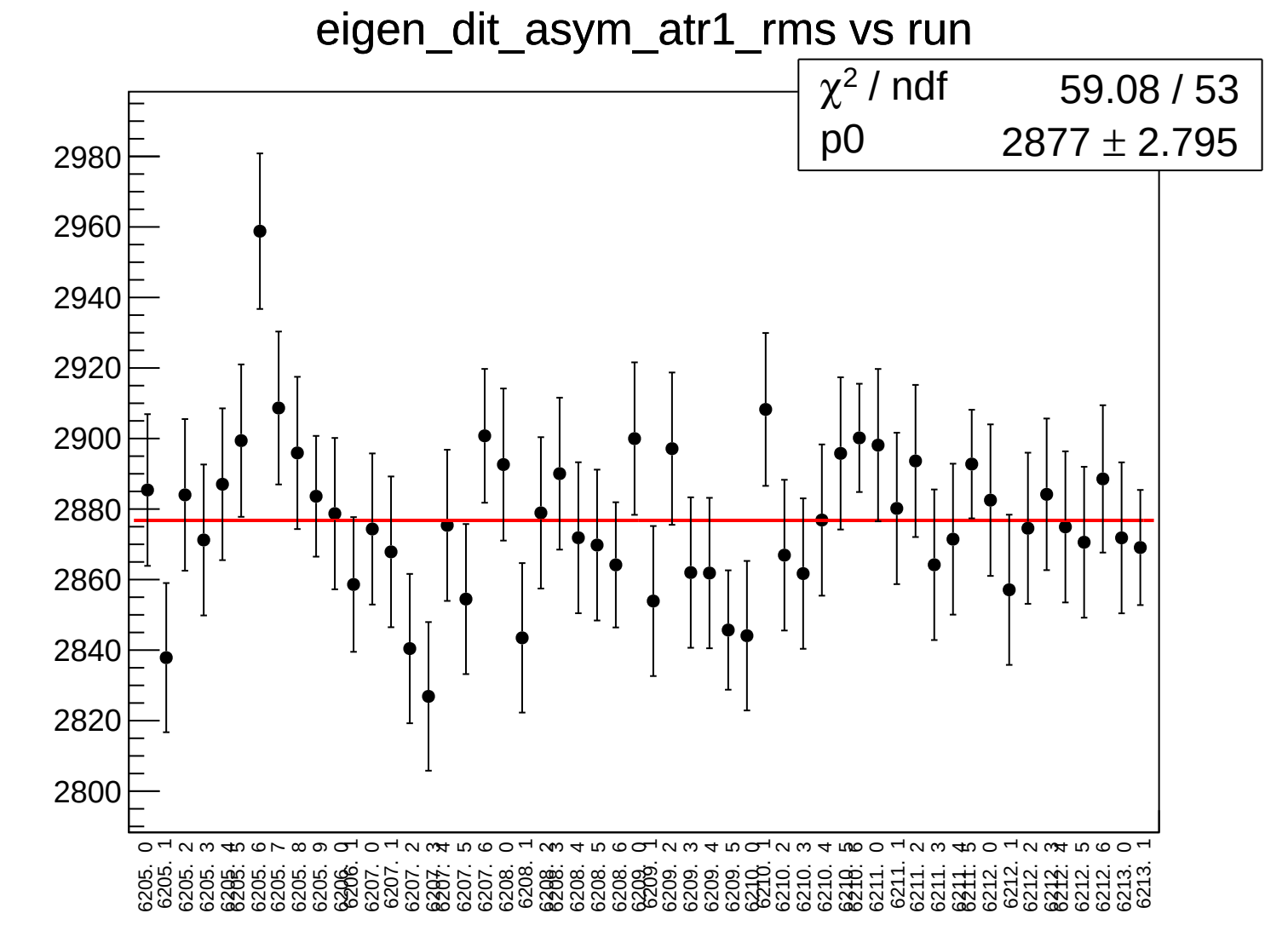
6213. 0
6213. 1


eigen_dit_asym_atr1_mean vs run
×10^3
χ² / ndf 54.83 / 53
p0 1120 ± 3953
100
50
0
−50
−100
pull
Entries 54
Mean 231.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 54
Mean 0.007596
Std Dev 1.008
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_dit_asym_atr1_rms vs run
χ² / ndf 59.08 / 53
p0 2877 ± 2.795
2980
2960
2940
2920
2900
2880
2860
2840
2820
2800
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
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6207. 3
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6207. 5
6207. 6
6208. 0
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6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
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6209. 2
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6211. 2
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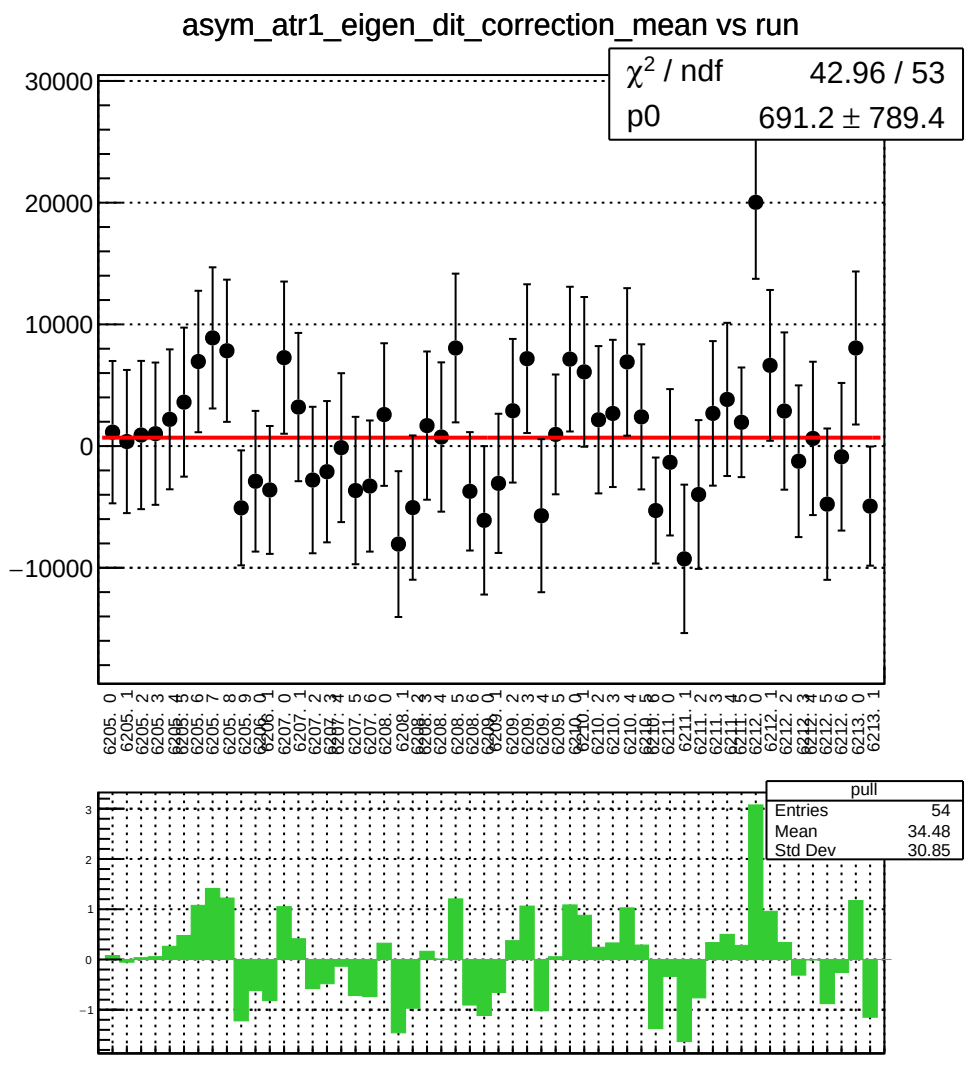
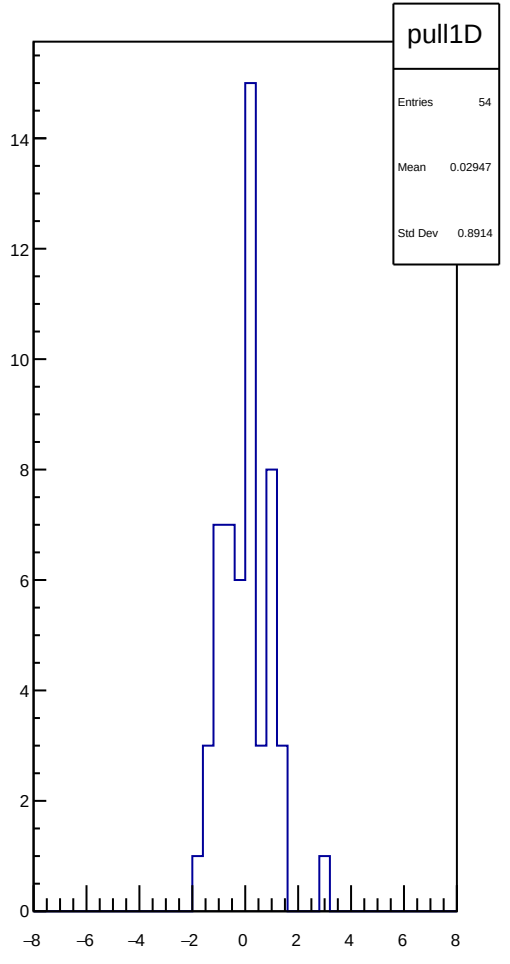
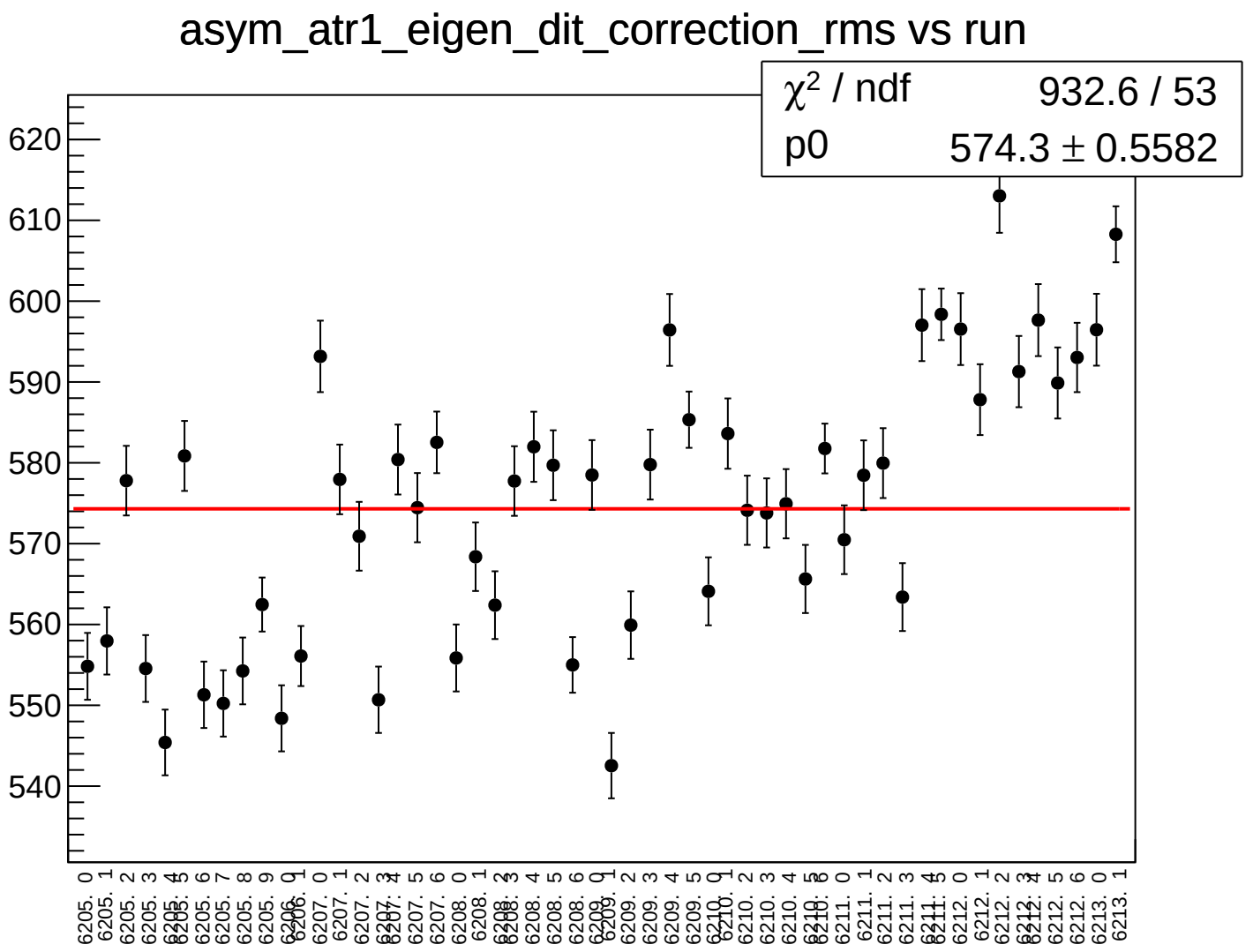
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_atr1_eigen_dit_correction_mean vs run
χ² / ndf 42.96 / 53
p0 691.2 ± 789.4
30000
20000
10000
0
−10000
pull
Entries 54
Mean 34.48
Std Dev 30.85
3
2
1
0
−1


pull1D
Entries 54
Mean 0.02947
Std Dev 0.8914
14
12
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 932.6 / 53
p0 574.3 ± 0.5582
620
610
600
590
580
570
560
550
540
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
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6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
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6209. 2
6209. 3
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6209. 5
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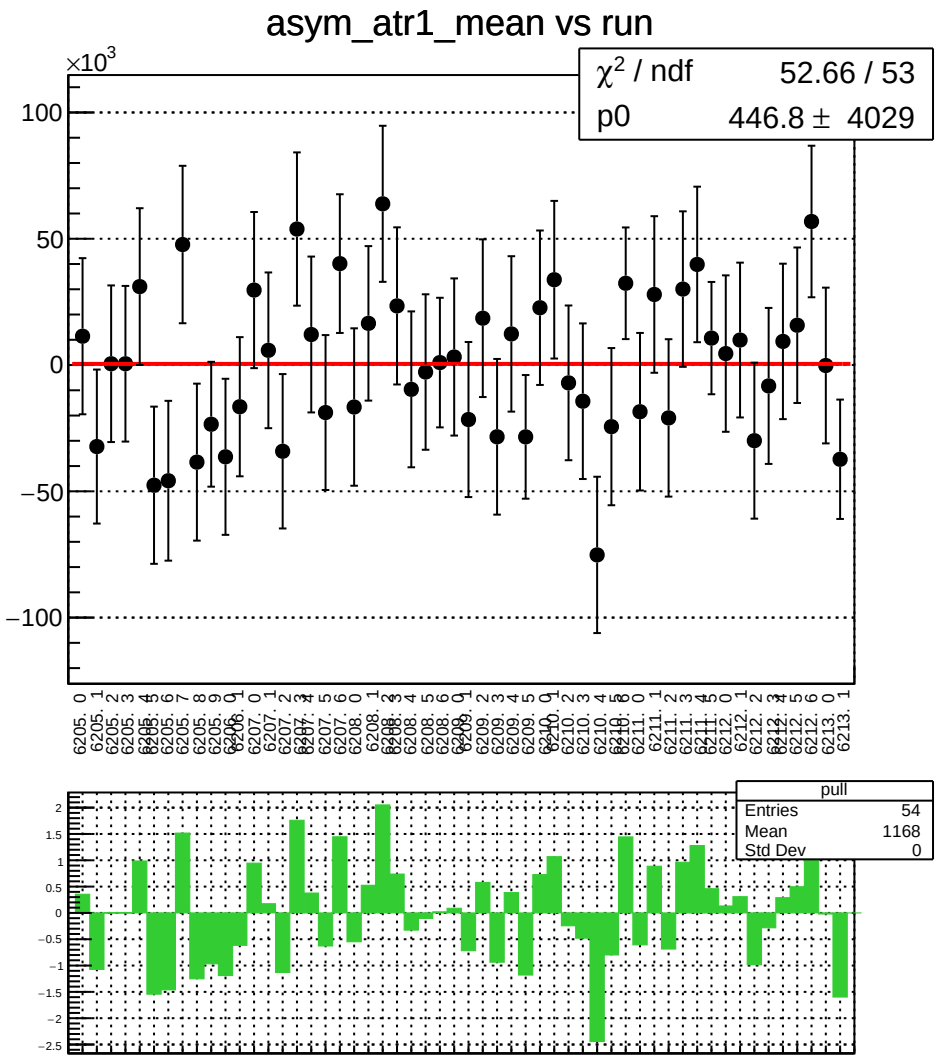
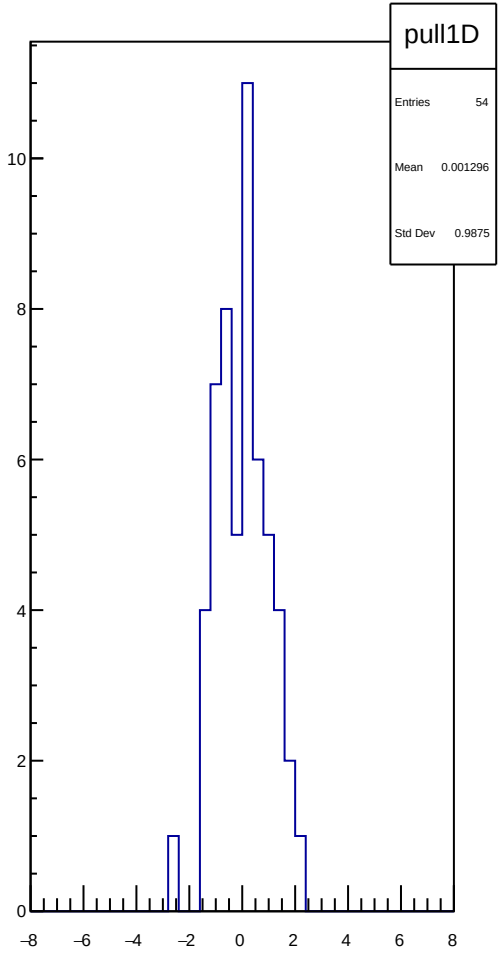
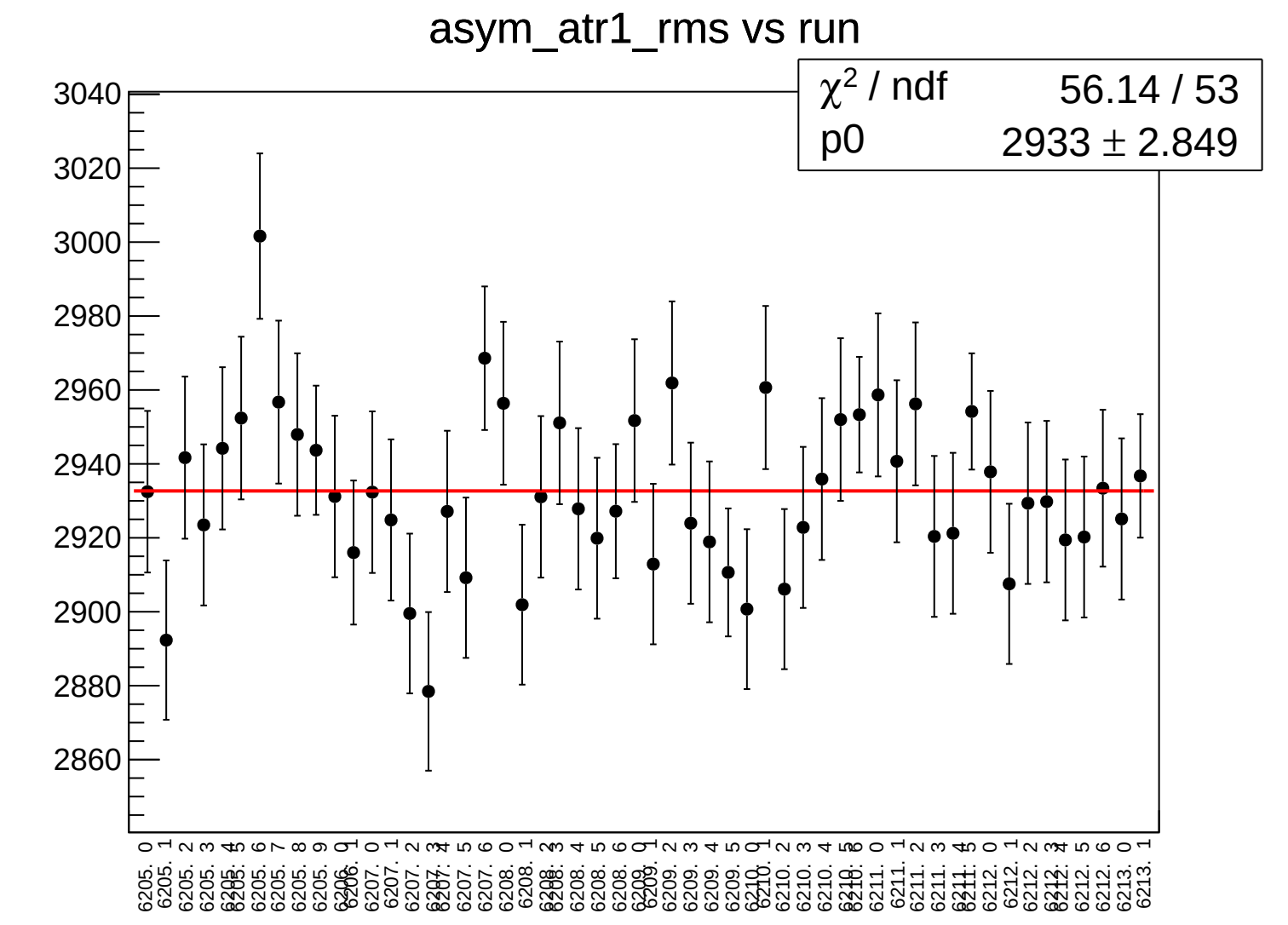
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_atr1_mean vs run
×10^3
χ² / ndf 52.66 / 53
p0 446.8 ± 4029
100
50
0
−50
−100
pull
Entries 54
Mean 1168
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 54
Mean 0.001296
Std Dev 0.9875
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atr1_rms vs run
χ² / ndf 56.14 / 53
p0 2933 ± 2.849
3040
3020
3000
2980
2960
2940
2920
2900
2880
2860
6205. 0
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6205. 5
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6205. 7
6205. 8
6205. 9
6206. 0
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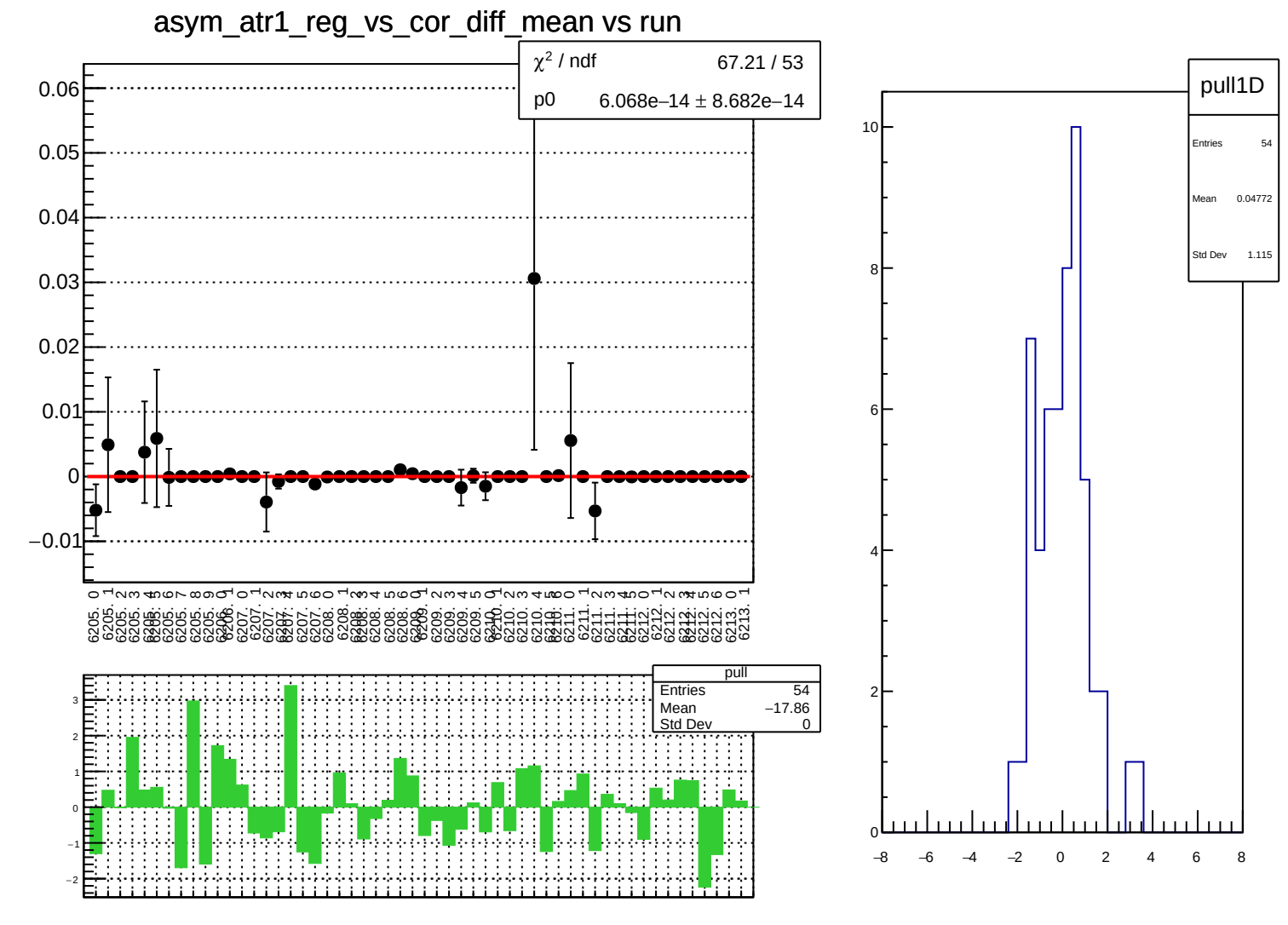
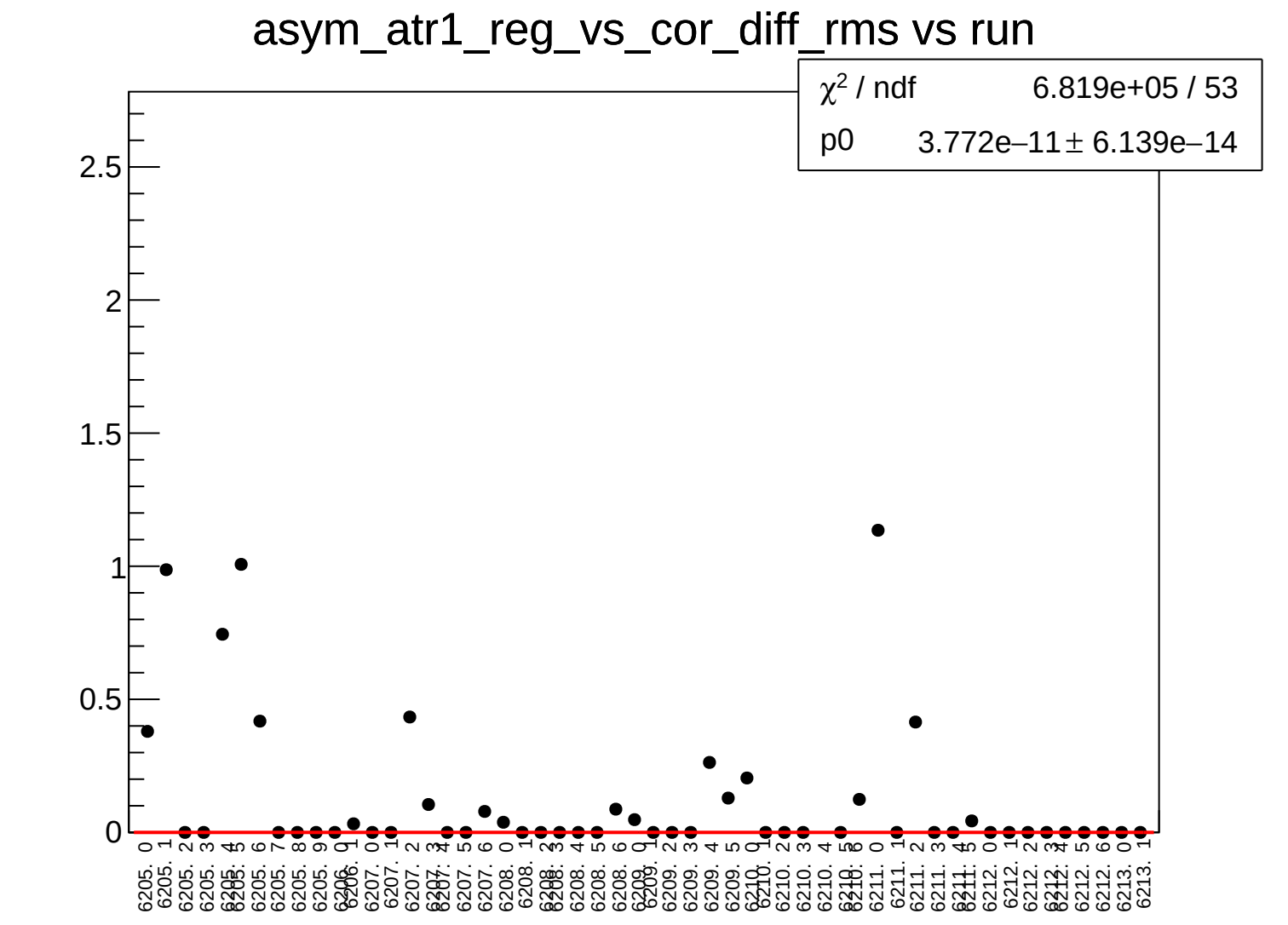
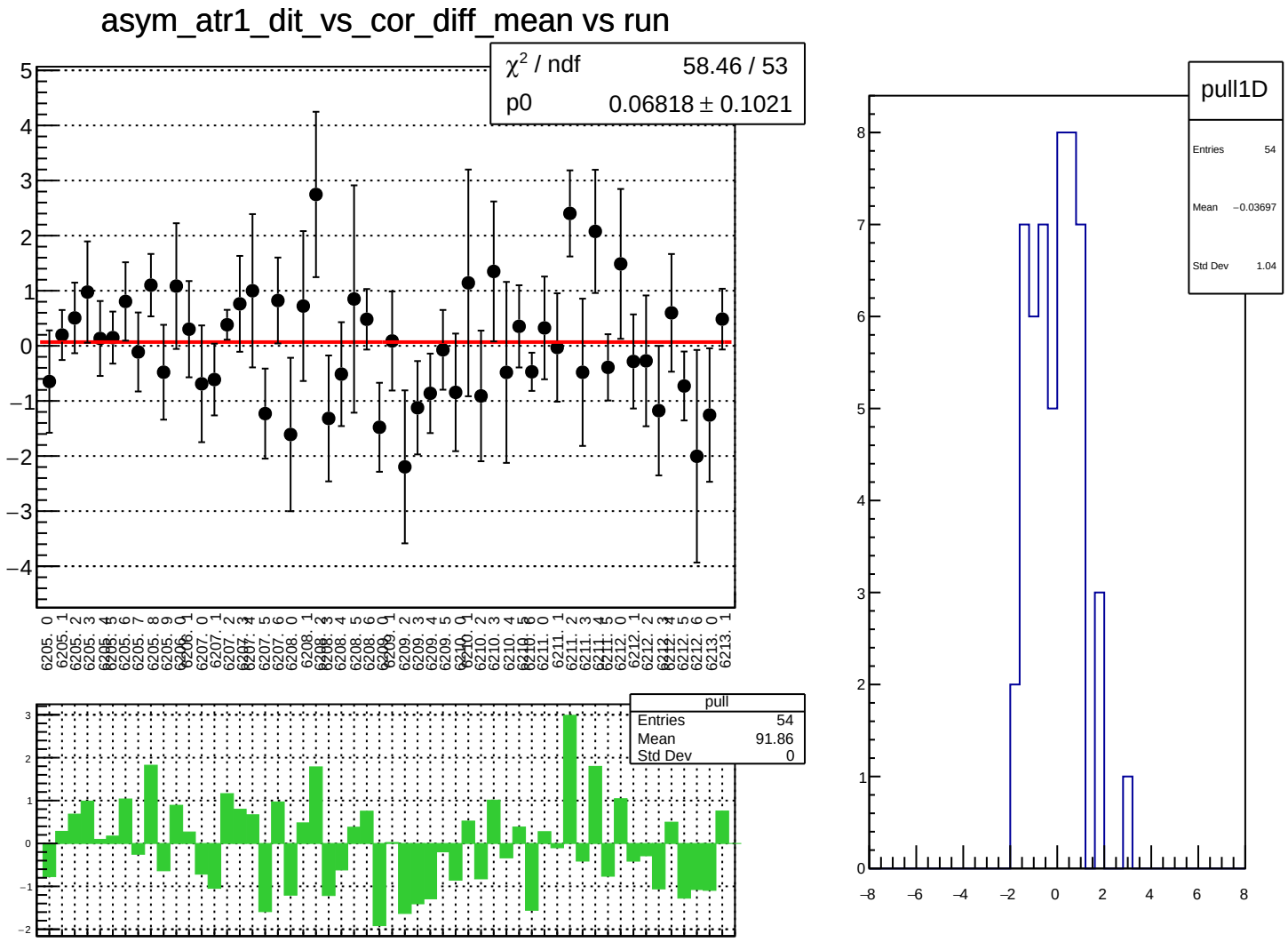
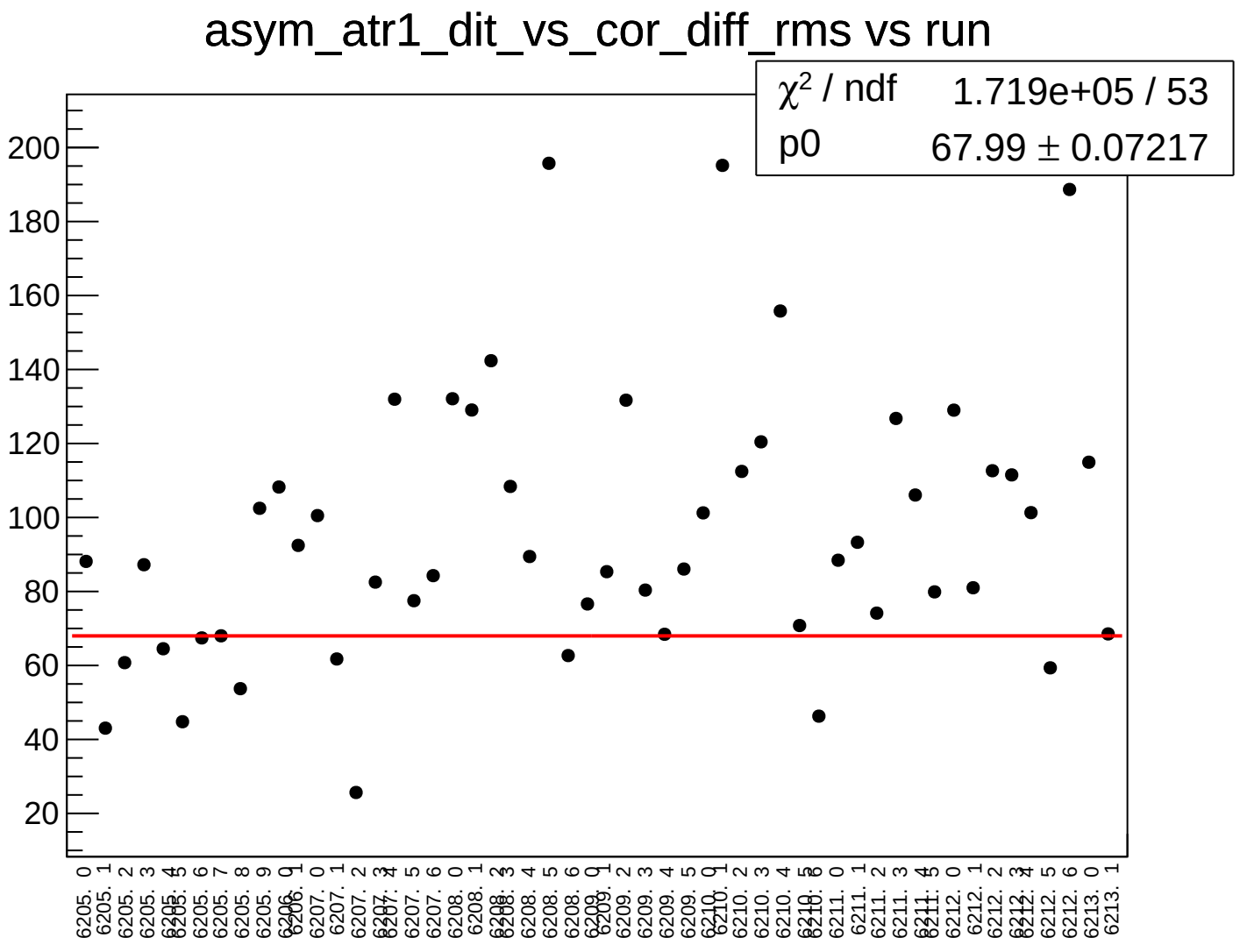

asym_atr1_reg_vs_cor_diff_mean vs run
χ² / ndf 67.21 / 53
p0 6.068e−14 ± 8.682e−14
pull
Entries 54
Mean −17.86
Std Dev 0
pull1D
Entries 54
Mean 0.04772
Std Dev 1.115


asym_atr1_reg_vs_cor_diff_rms vs run
χ² / ndf 6.819e+05 / 53
p0 3.772e−11 ± 6.139e−14
2.5
2
1.5
1
0.5
0


asym_atr1_dit_vs_cor_diff_mean vs run
χ² / ndf 58.46 / 53
p0 0.06818 ± 0.1021
pull
Entries 54
Mean 91.86
Std Dev 0
pull1D
Entries 54
Mean −0.03697
Std Dev 1.04


asym_atr1_dit_vs_cor_diff_rms vs run
χ² / ndf 1.719e+05 / 53
p0 67.99 ± 0.07217
200
180
160
140
120
100
80
60
40
20
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
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6207. 6
6208. 0
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6208. 5
6208. 6
6209. 0
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6209. 2
6209. 3
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6209. 5
6210. 0
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6210. 2
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6210. 6
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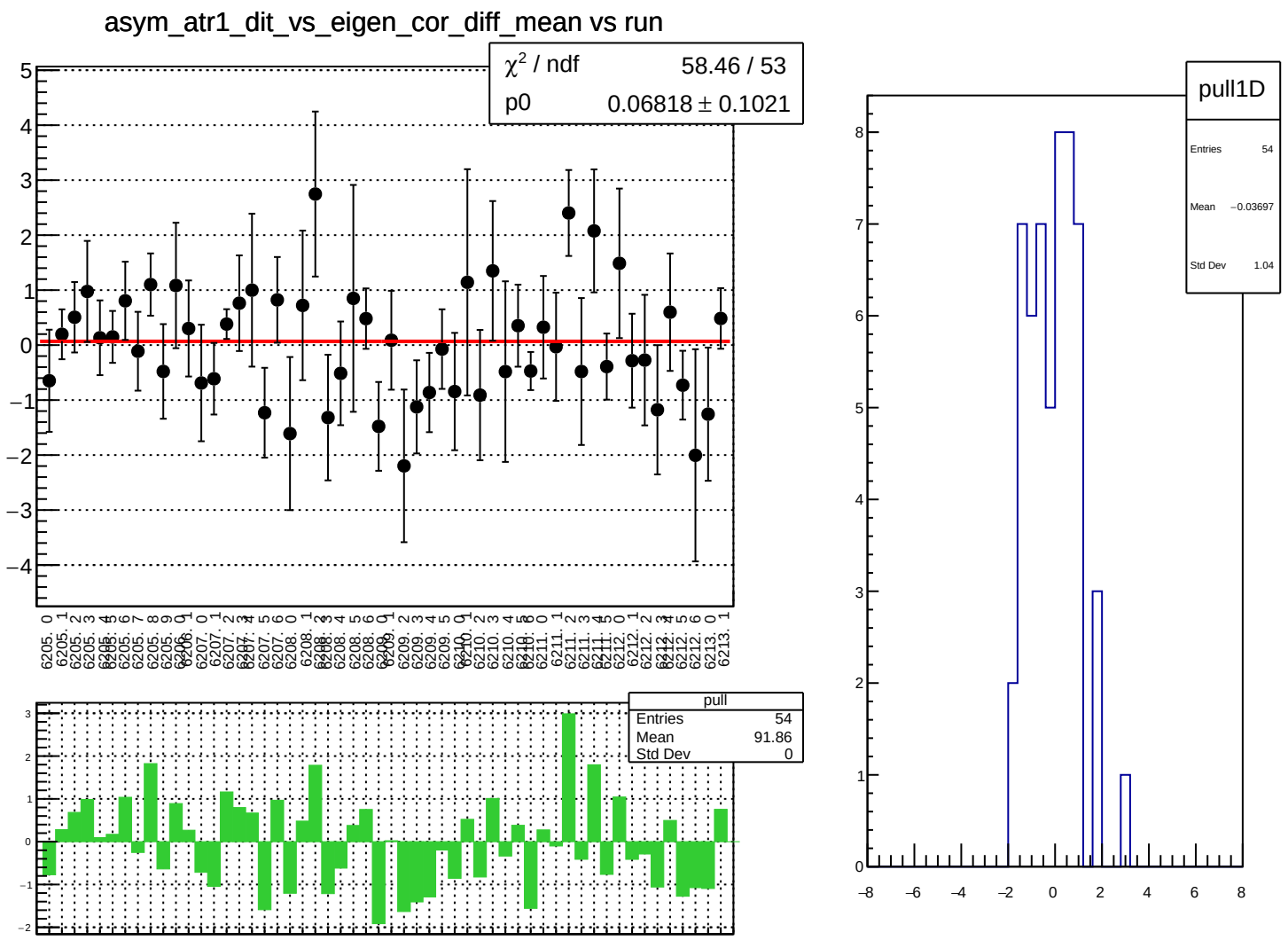
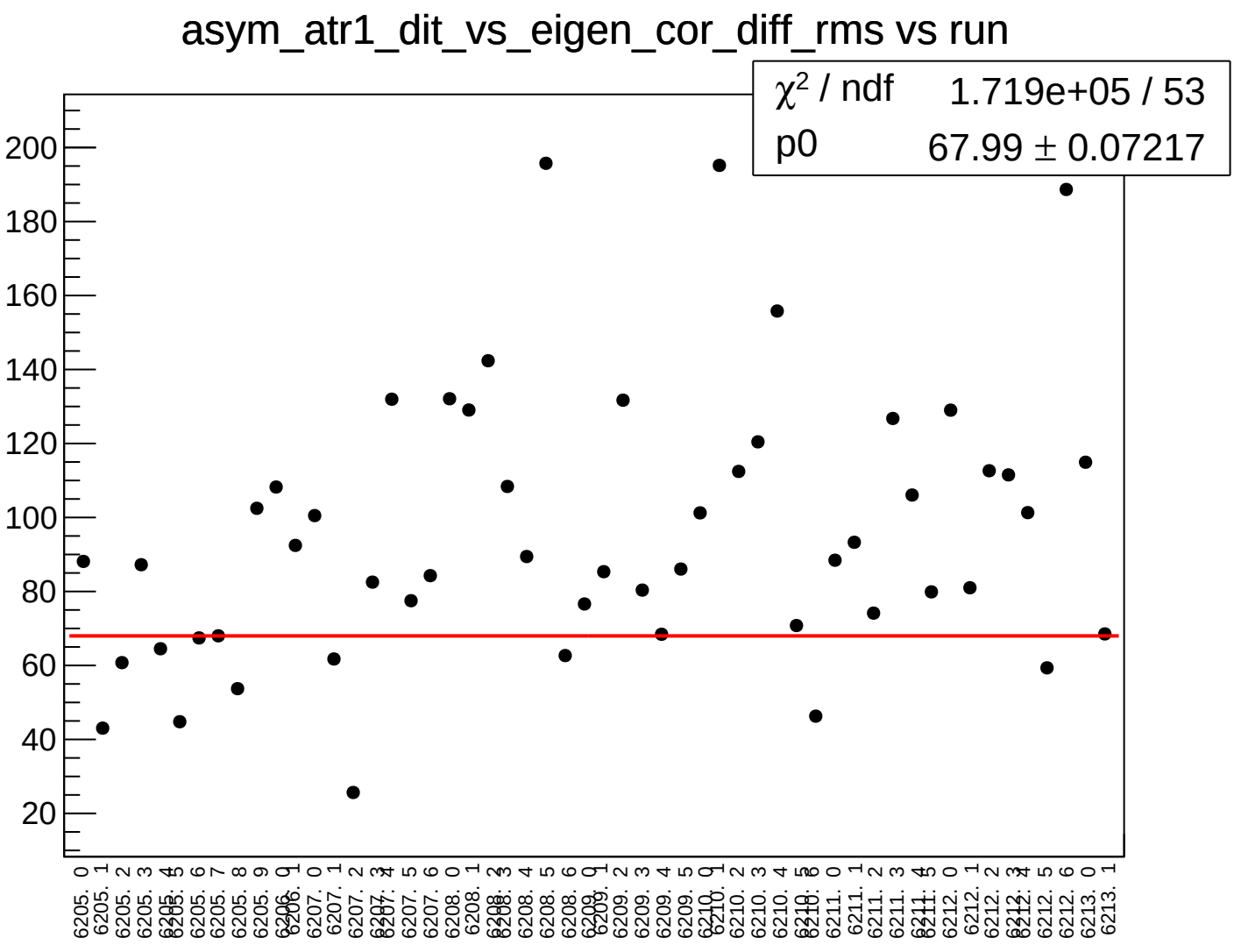

asym_atr1_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 58.46 / 53
p0 0.06818 ± 0.1021
pull
Entries 54
Mean 91.86
Std Dev 0
pull1D
Entries 54
Mean −0.03697
Std Dev 1.04


asym_atr1_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.719e+05 / 53
p0 67.99 ± 0.07217
200
180
160
140
120
100
80
60
40
20
6205. 0
6205. 1
6205. 2
6205. 3
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6205. 5
6205. 6
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6205. 8
6205. 9
6206. 0
6206. 1
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6208. 6
6209. 0
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6209. 5
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6210. 6
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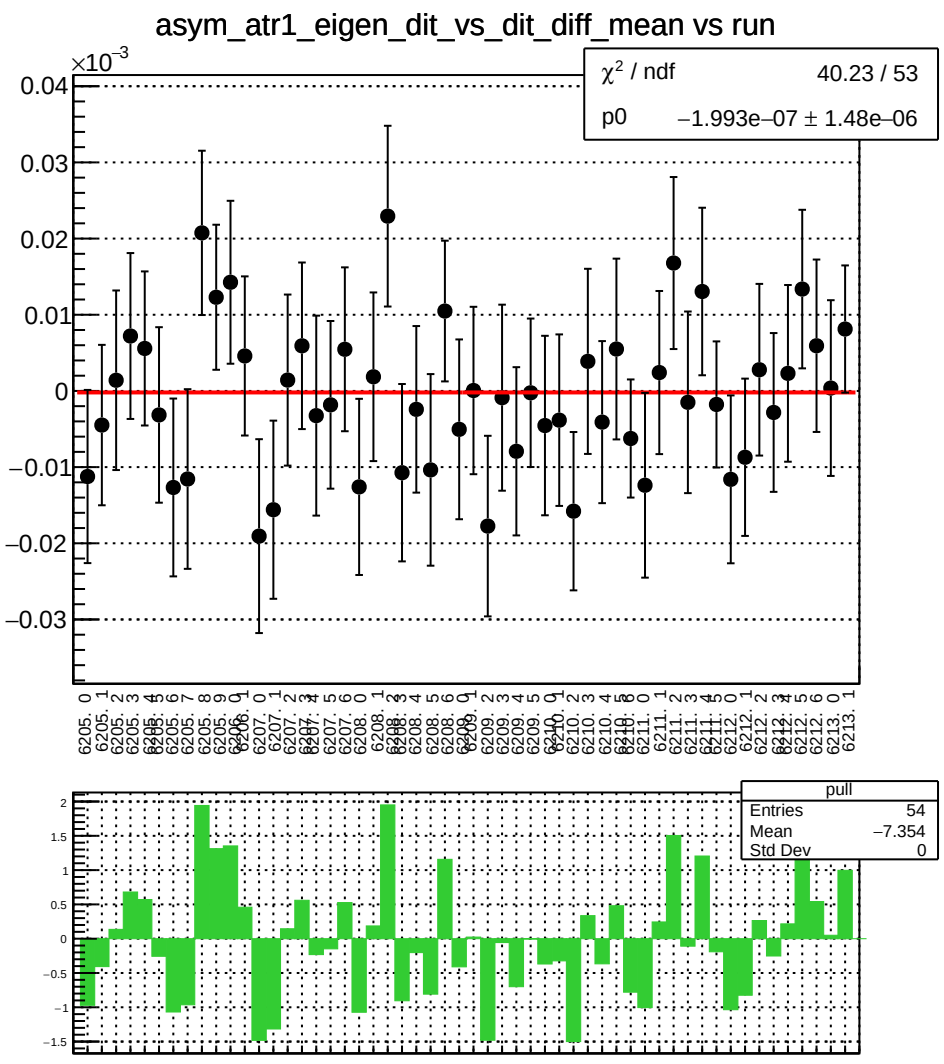
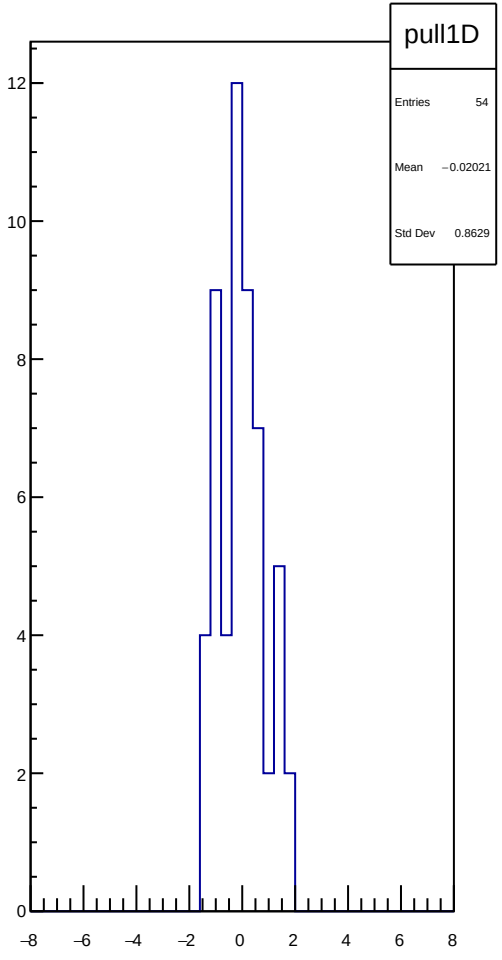
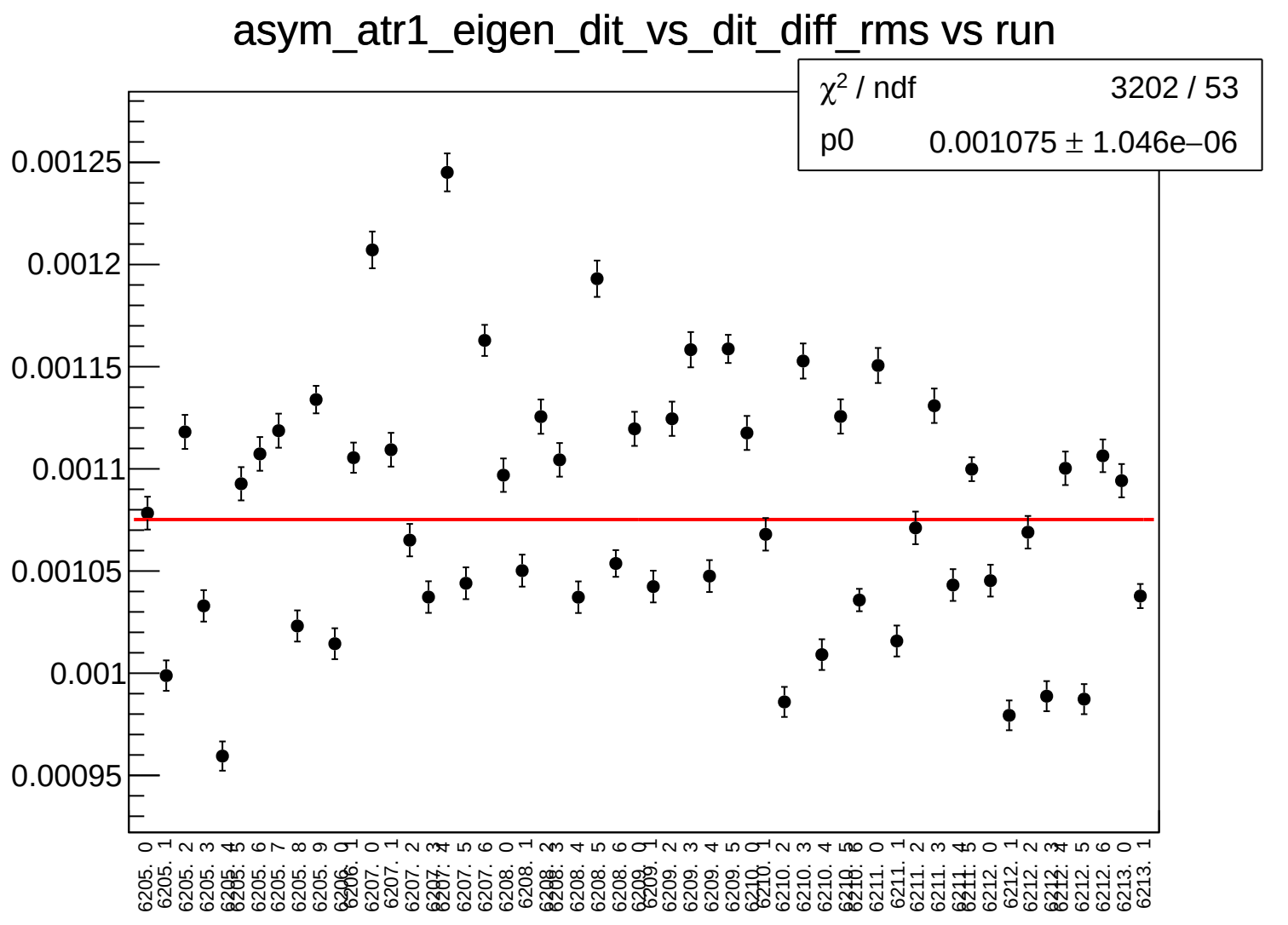

asym_atr1_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 40.23 / 53
p0 −1.993e−07 ± 1.48e−06
pull
Entries 54
Mean −7.354
Std Dev 0


pull1D
Entries 54
Mean −0.02021
Std Dev 0.8629


asym_atr1_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3202 / 53
p0 0.001075 ± 1.046e−06
0.00125
0.0012
0.00115
0.0011
0.00105
0.001
0.00095
6205. 0
6205. 1
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6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
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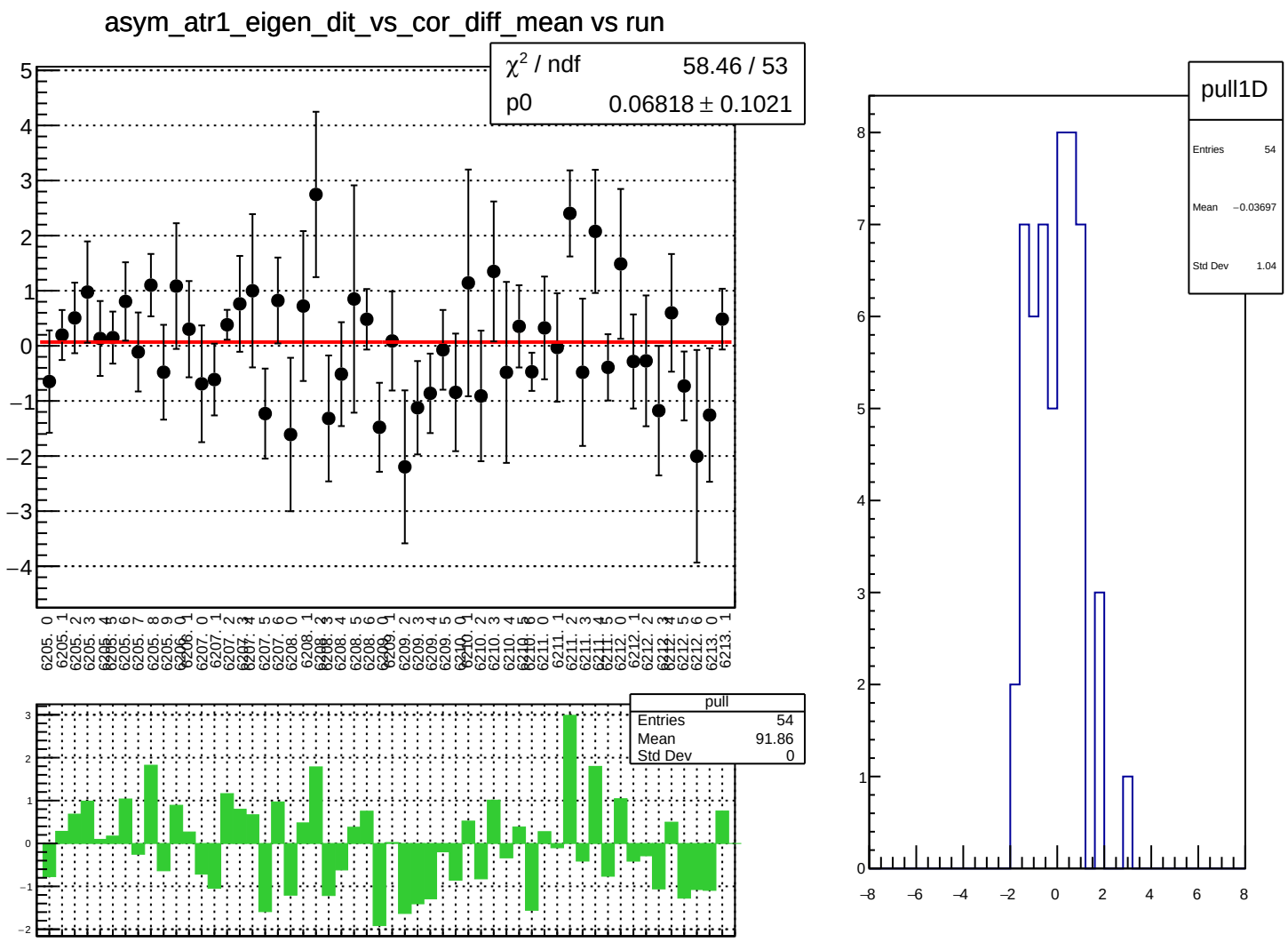
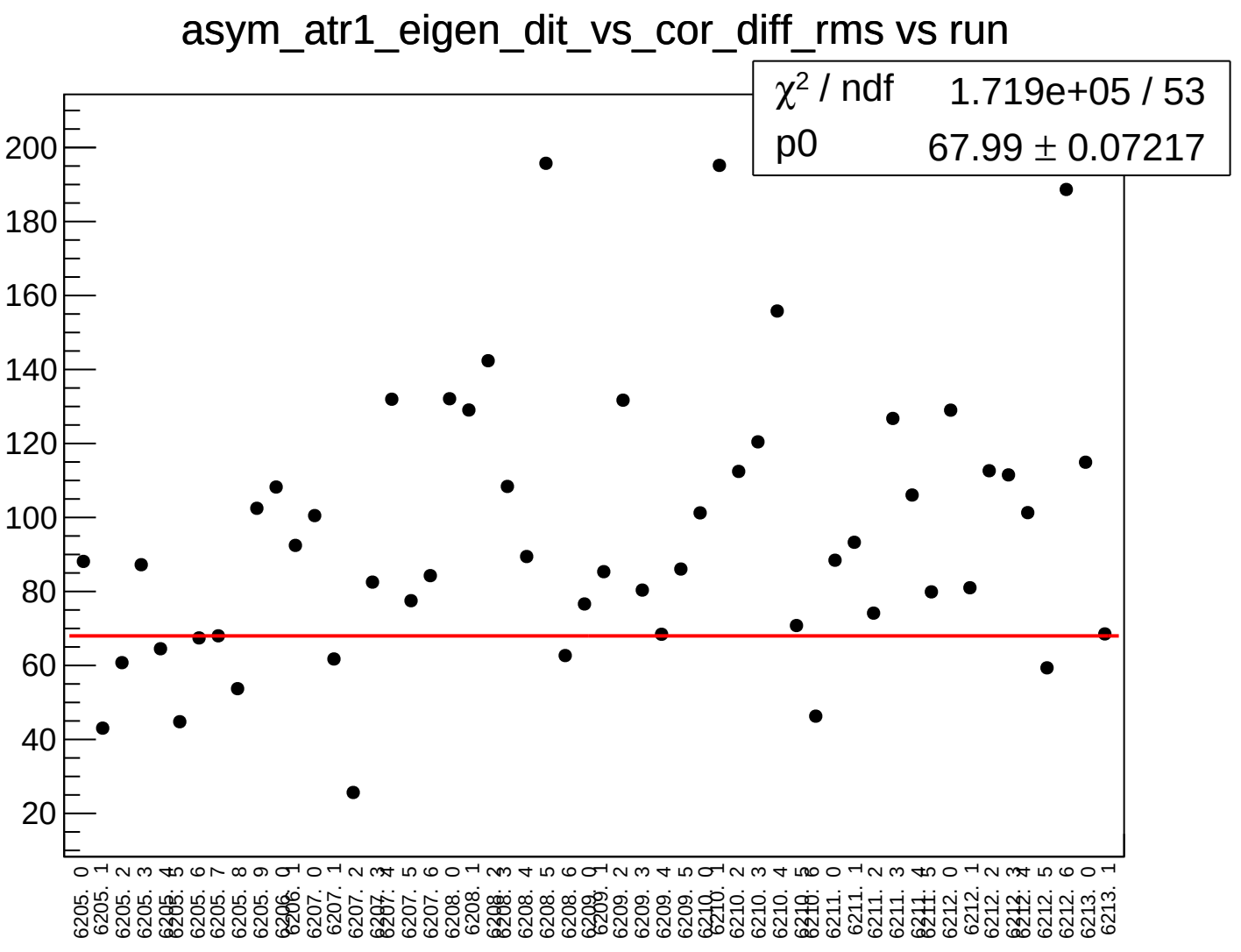
6212. 5
6212. 6
6213. 0
6213. 1


asym_atr1_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 58.46 / 53
p0 0.06818 ± 0.1021
pull
Entries 54
Mean 91.86
Std Dev 0
pull1D
Entries 54
Mean −0.03697
Std Dev 1.04


asym_atr1_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.719e+05 / 53
p0 67.99 ± 0.07217
200
180
160
140
120
100
80
60
40
20
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
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6207. 6
6208. 0
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6208. 6
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6209. 5
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6210. 1
6210. 2
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6210. 6
6211. 0
6211. 1
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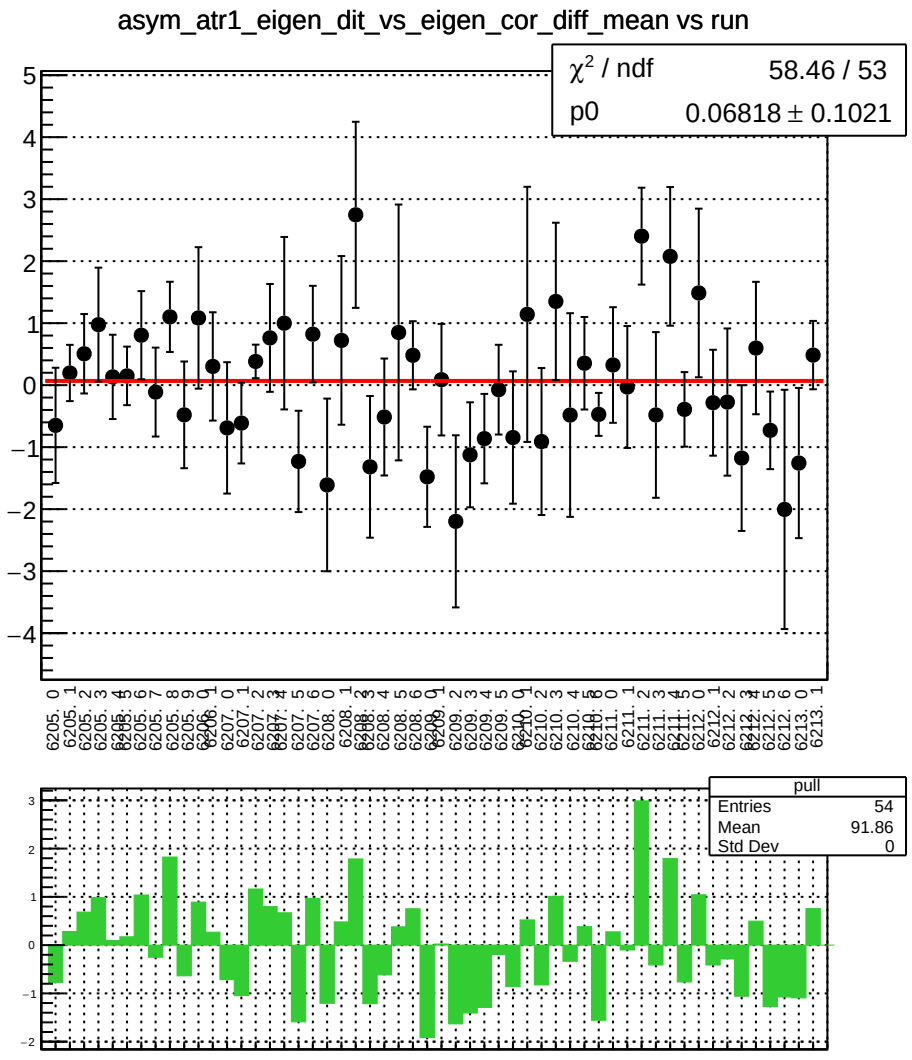
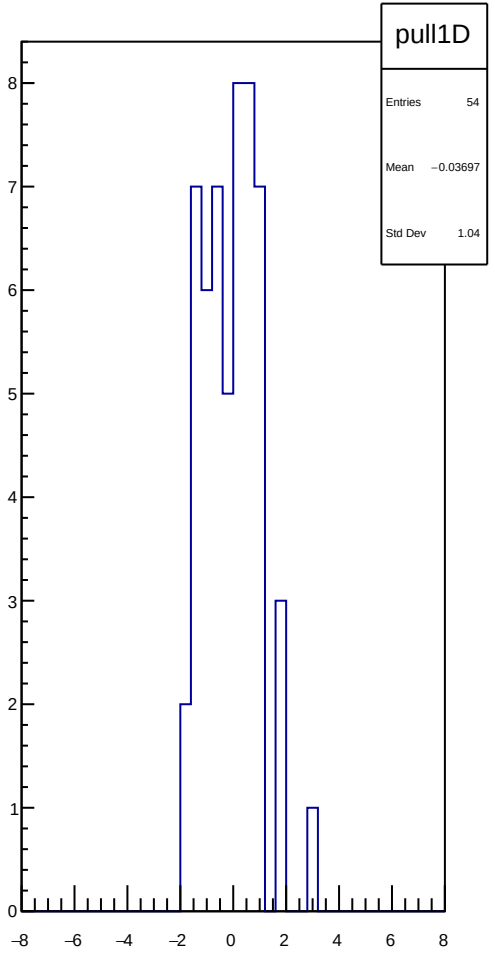
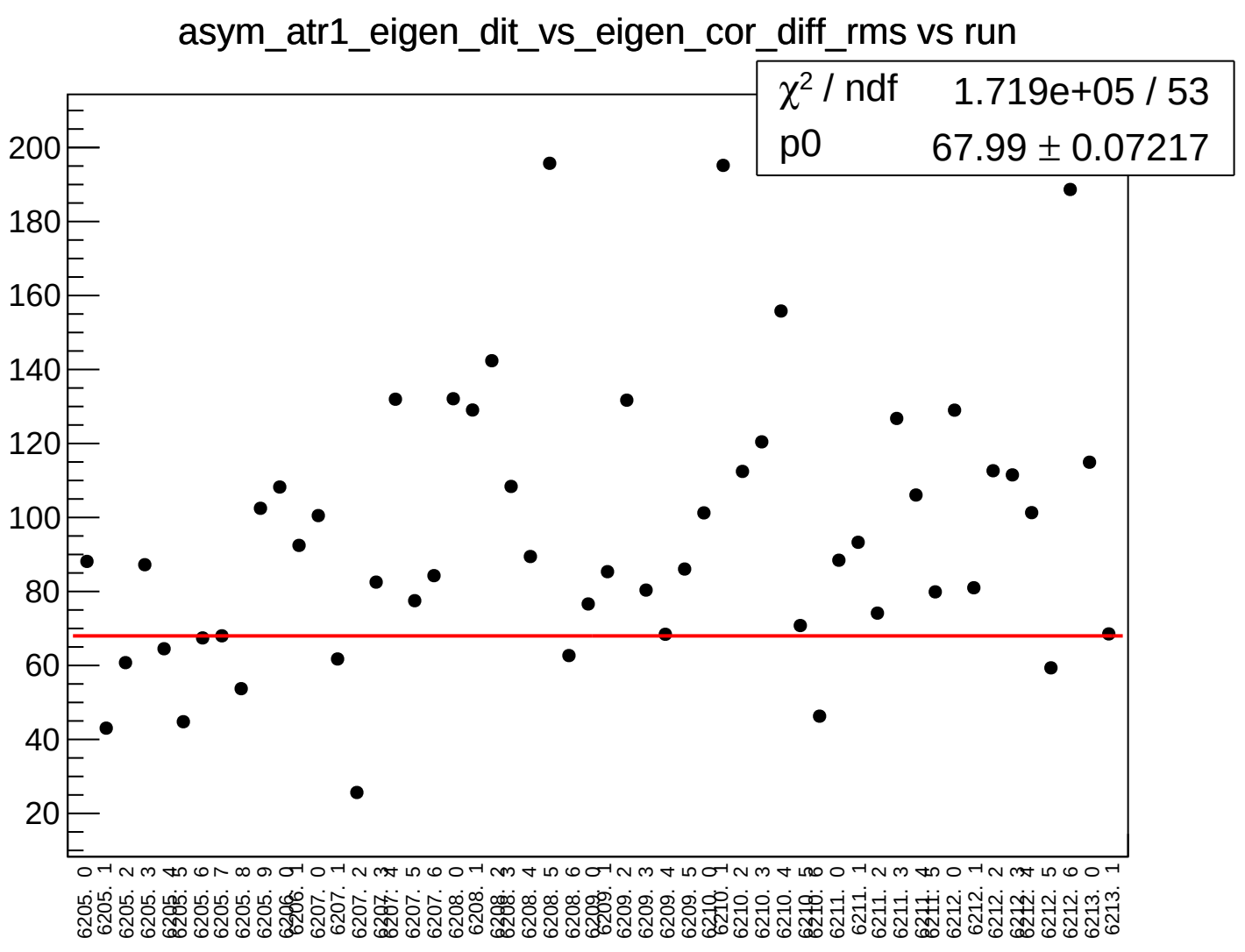

asym_atr1_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 58.46 / 53
p0 0.06818 ± 0.1021
pull
Entries 54
Mean 91.86
Std Dev 0


pull1D
Entries 54
Mean −0.03697
Std Dev 1.04


asym_atr1_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.719e+05 / 53
p0 67.99 ± 0.07217
200
180
160
140
120
100
80
60
40
20
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
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6207. 6
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6208. 6
6209. 0
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6210. 2
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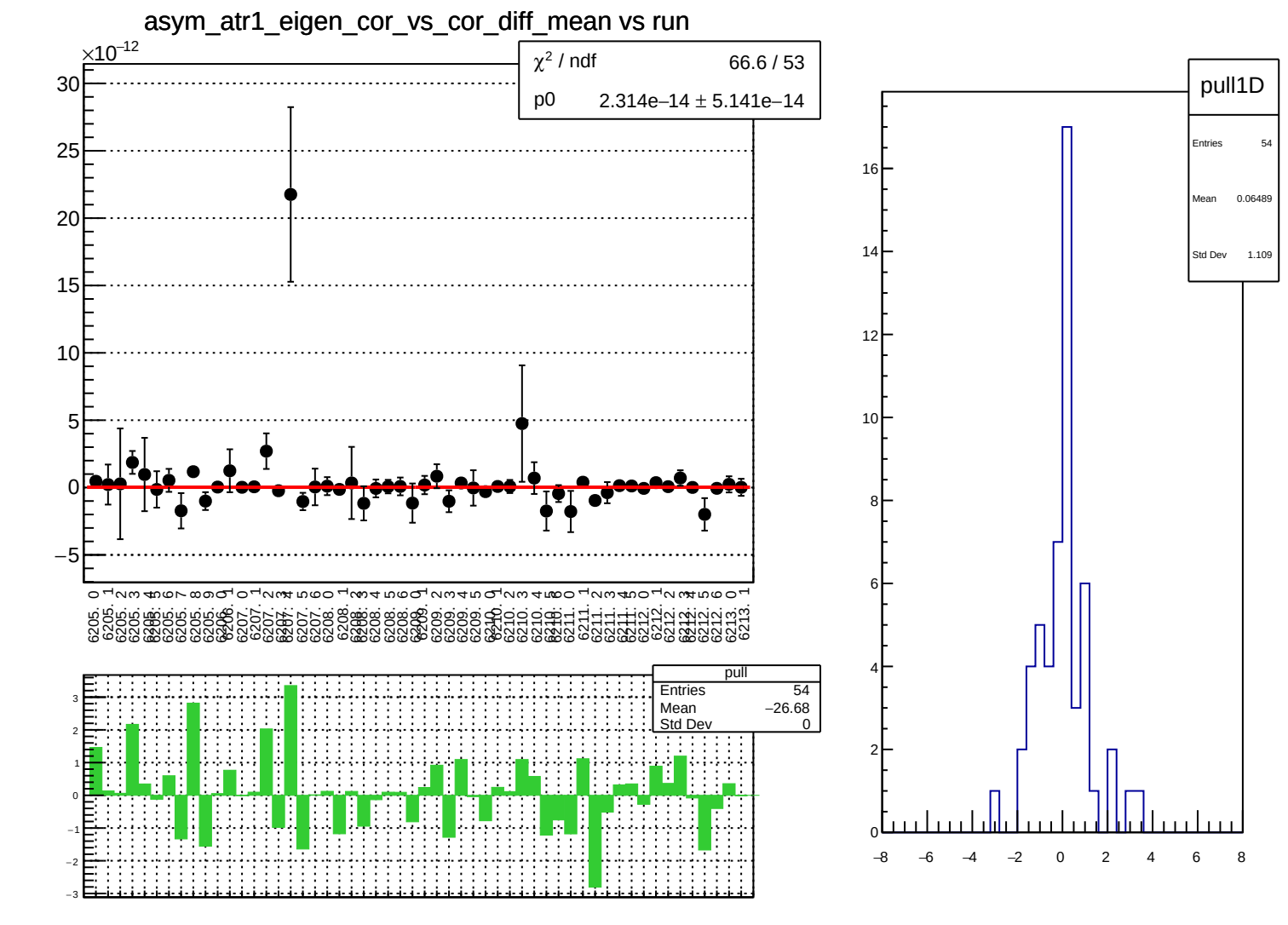
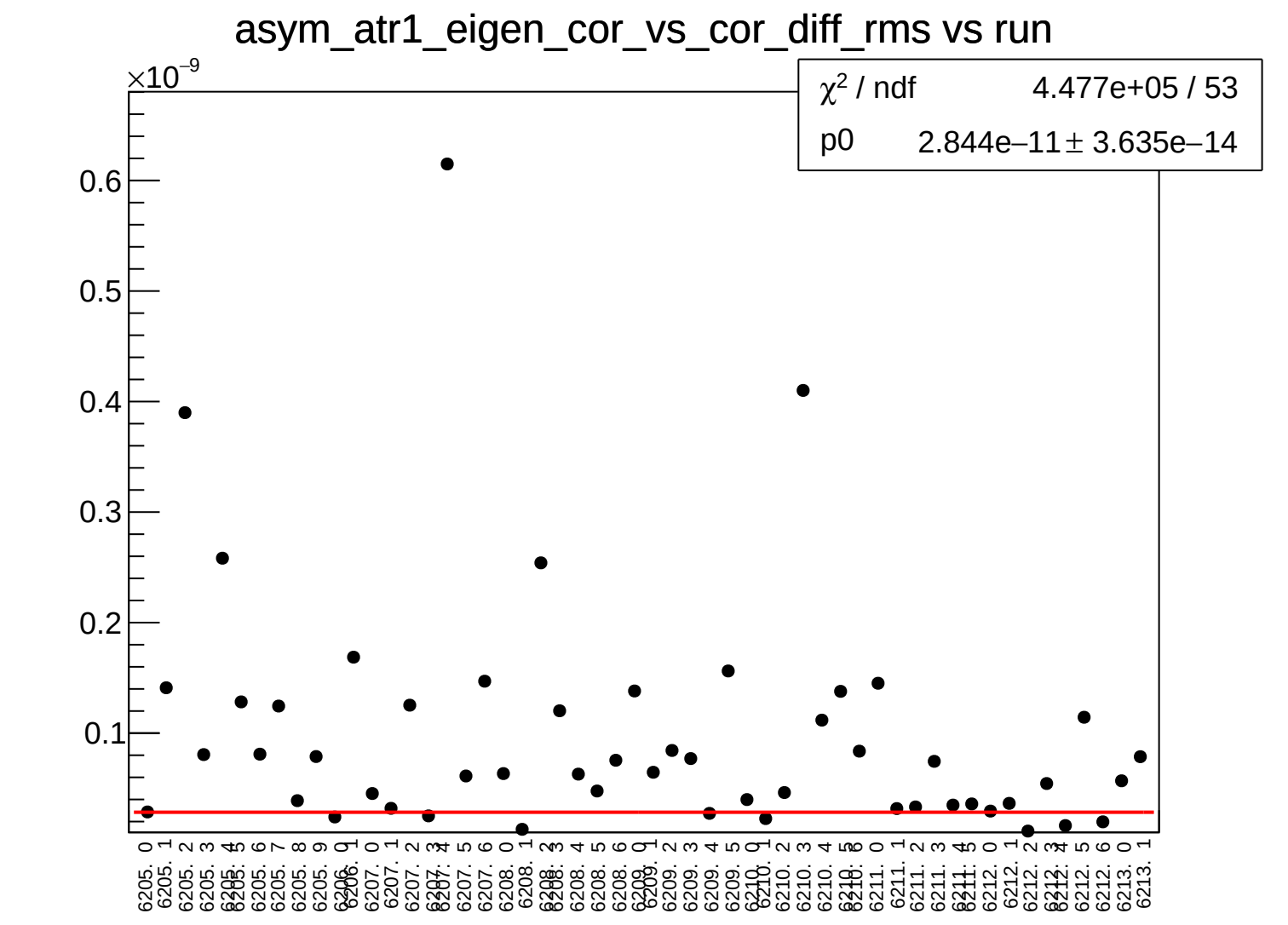

asym_atr1_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 66.6 / 53
p0 2.314e−14 ± 5.141e−14
pull
Entries 54
Mean −26.68
Std Dev 0
pull1D
Entries 54
Mean 0.06489
Std Dev 1.109


asym_atr1_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.477e+05 / 53
p0 2.844e−11 ± 3.635e−14
0.6
0.5
0.4
0.3
0.2
0.1
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
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6207. 6
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6208. 4
6208. 5
6208. 6
6209. 0
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6209. 2
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6209. 4
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6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
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6212. 2
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6212. 5
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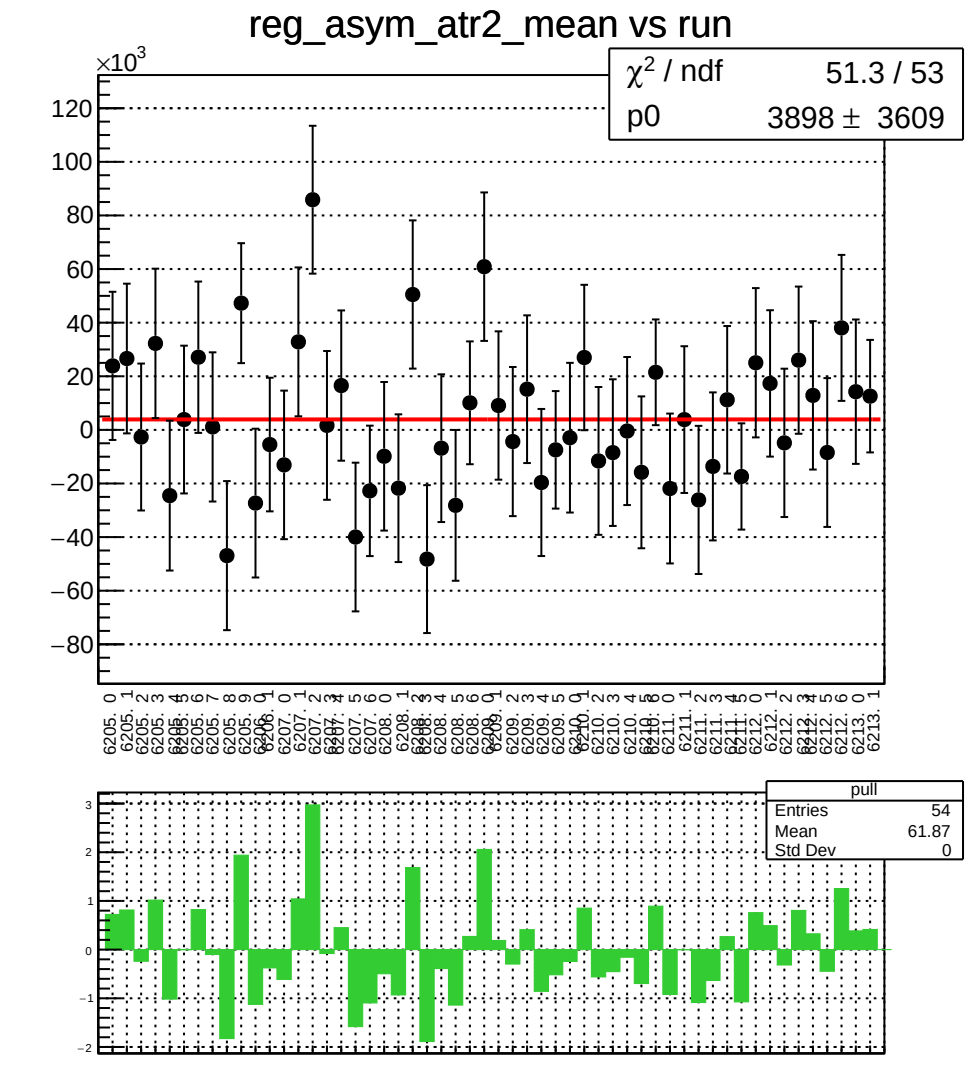
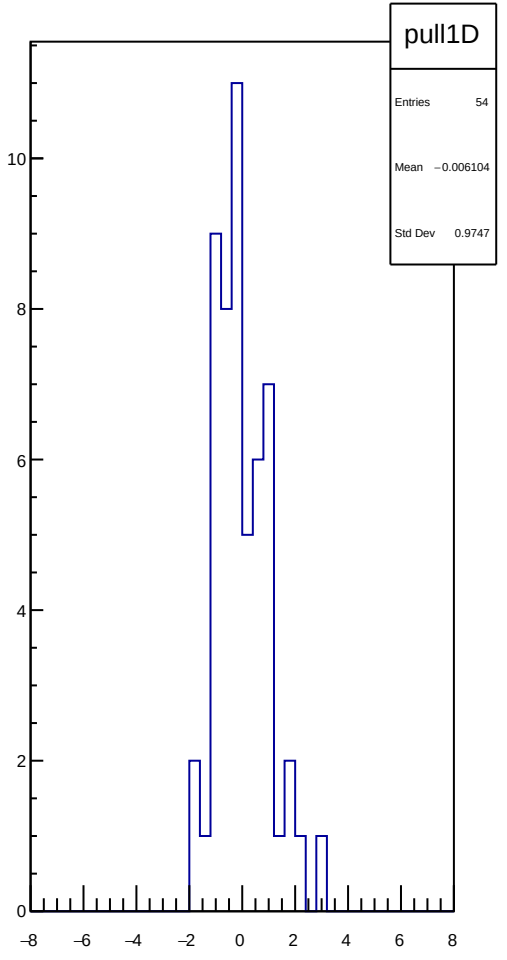
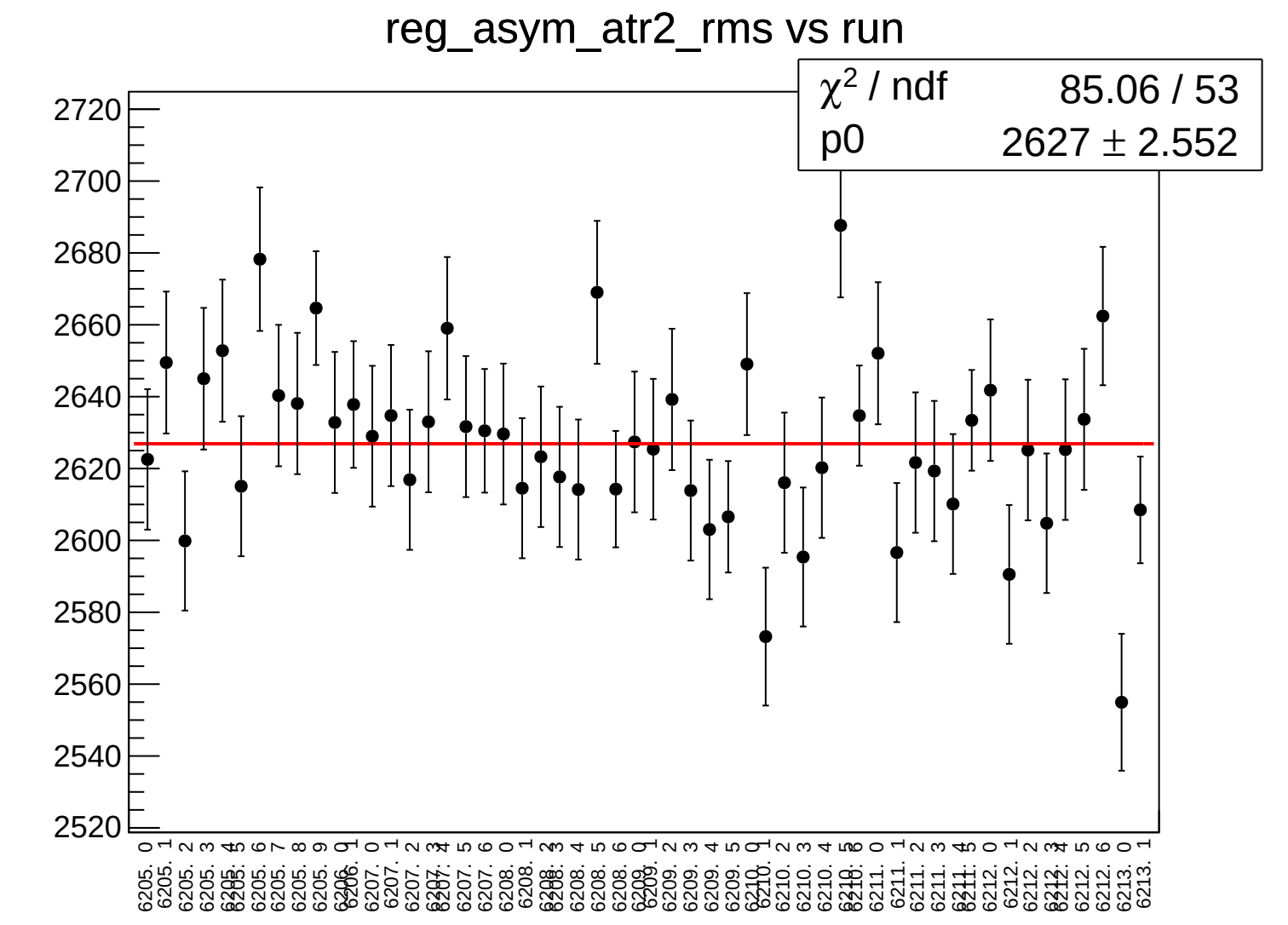
6213. 0
6213. 1


reg_asym_atr2_mean vs run
χ² / ndf 51.3 / 53
p0 3898 ± 3609
×10³
pull
Entries 54
Mean 61.87
Std Dev 0


pull1D
Entries 54
Mean −0.006104
Std Dev 0.9747


reg_asym_atr2_rms vs run
χ² / ndf 85.06 / 53
p0 2627 ± 2.552
2720
2700
2680
2660
2640
2620
2600
2580
2560
2540
2520
6205. 0
6205. 1
6205. 2
6205. 3
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6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
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6207. 2
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6207. 6
6208. 0
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6209. 0
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6210. 2
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6210. 4
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6210. 6
6211. 0
6211. 1
6211. 2
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6211. 4
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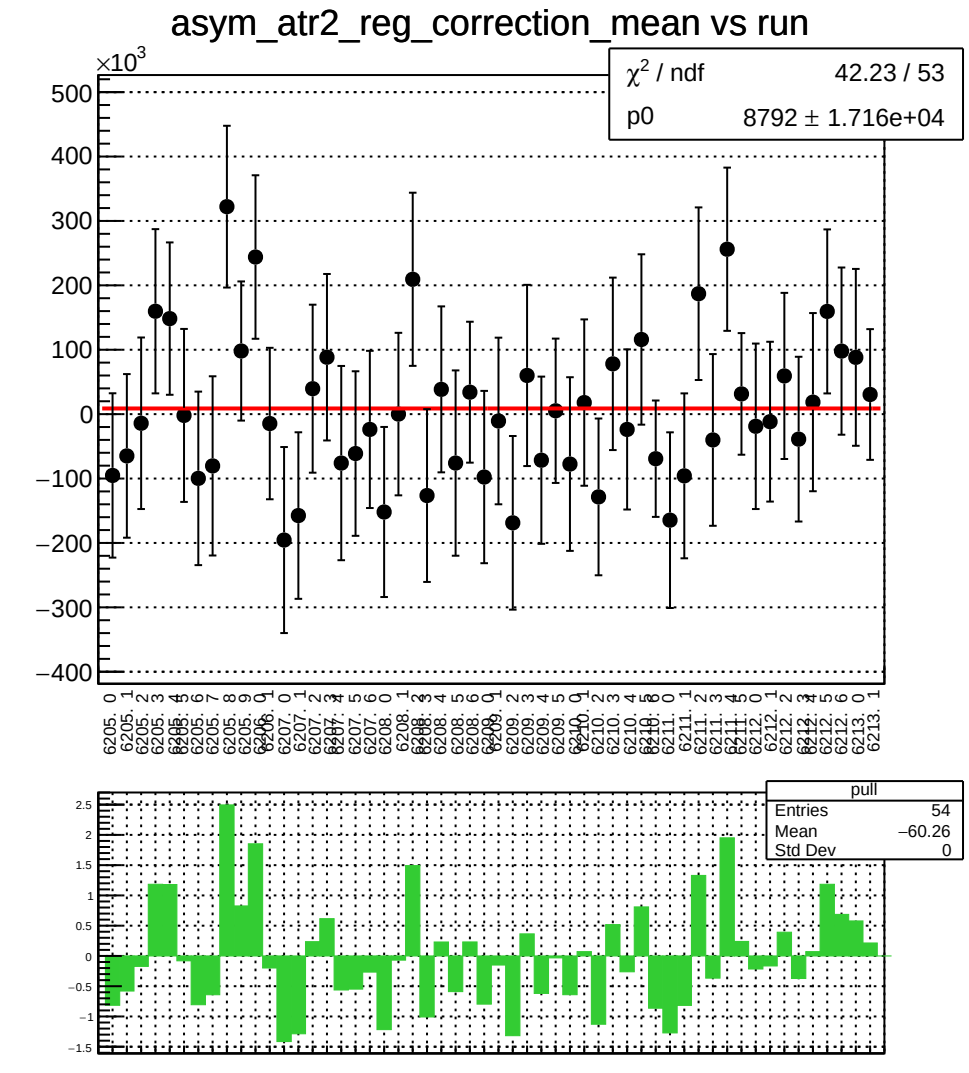
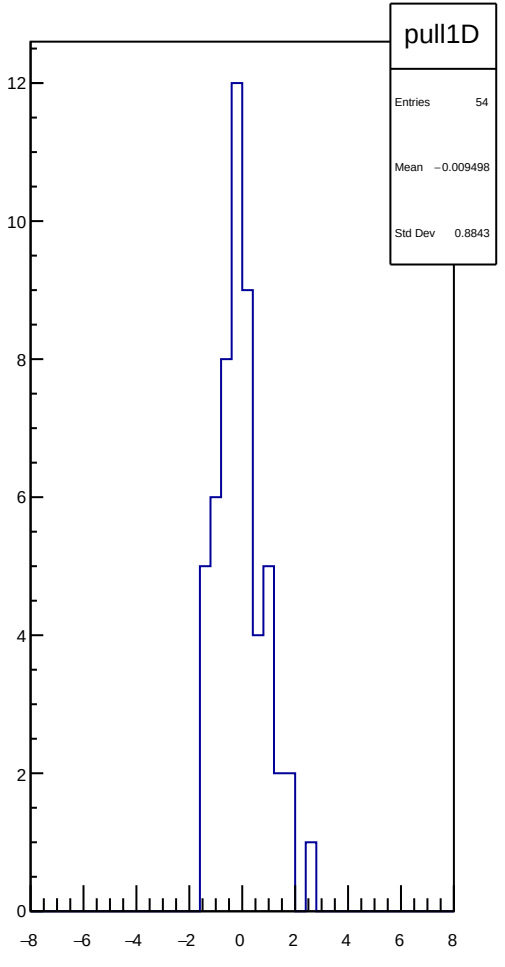
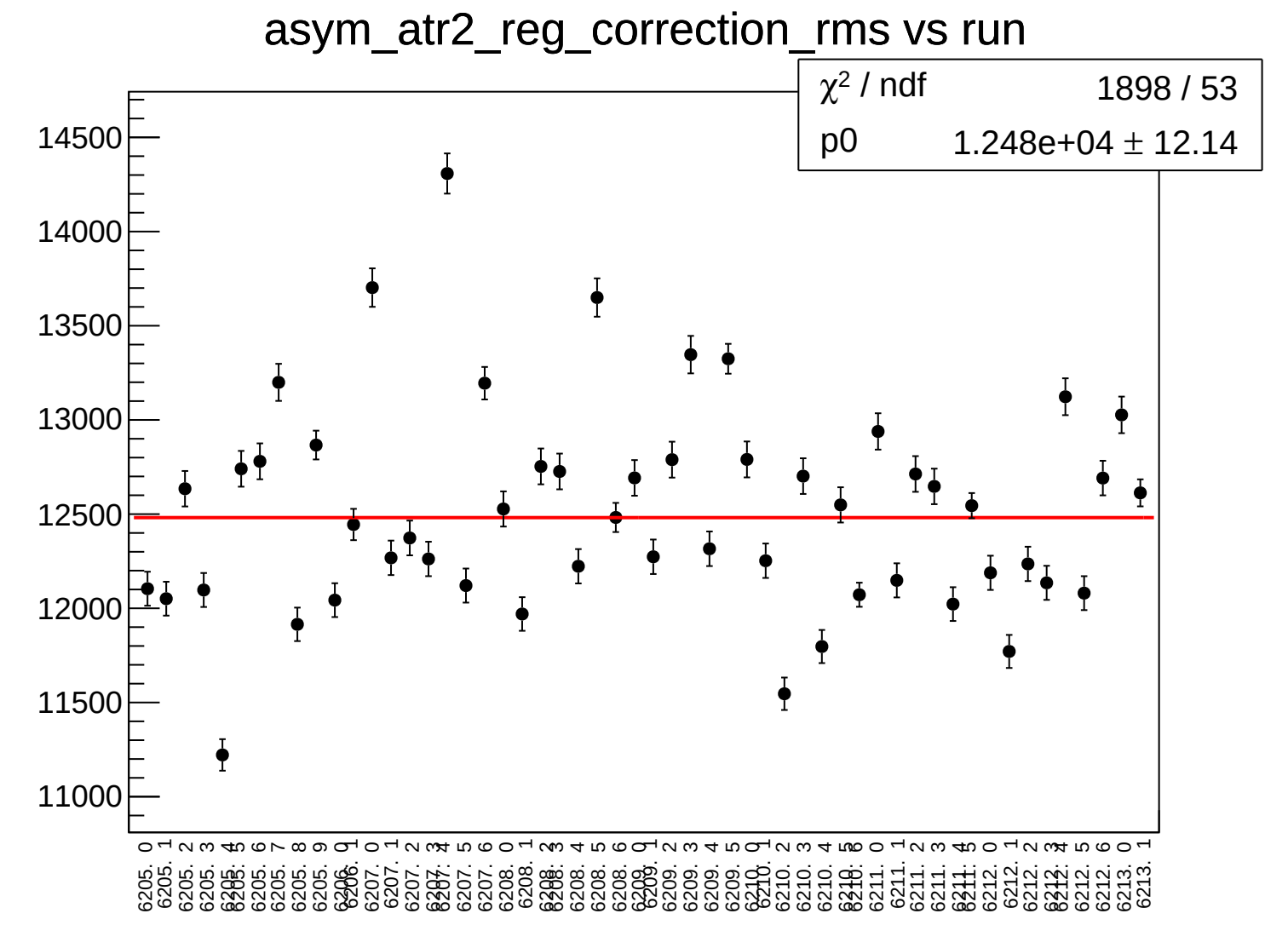

asym_atr2_reg_correction_mean vs run
×10^3
χ² / ndf 42.23 / 53
p0 8792 ± 1.716e+04
pull
Entries 54
Mean −60.26
Std Dev 0


pull1D
Entries 54
Mean −0.009498
Std Dev 0.8843


asym_atr2_reg_correction_rms vs run
χ² / ndf 1898 / 53
p0 1.248e+04 ± 12.14
14500
14000
13500
13000
12500
12000
11500
11000
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
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6207. 6
6208. 0
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6208. 6
6209. 0
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6210. 0
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6210. 2
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6210. 6
6211. 0
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6211. 2
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6211. 4
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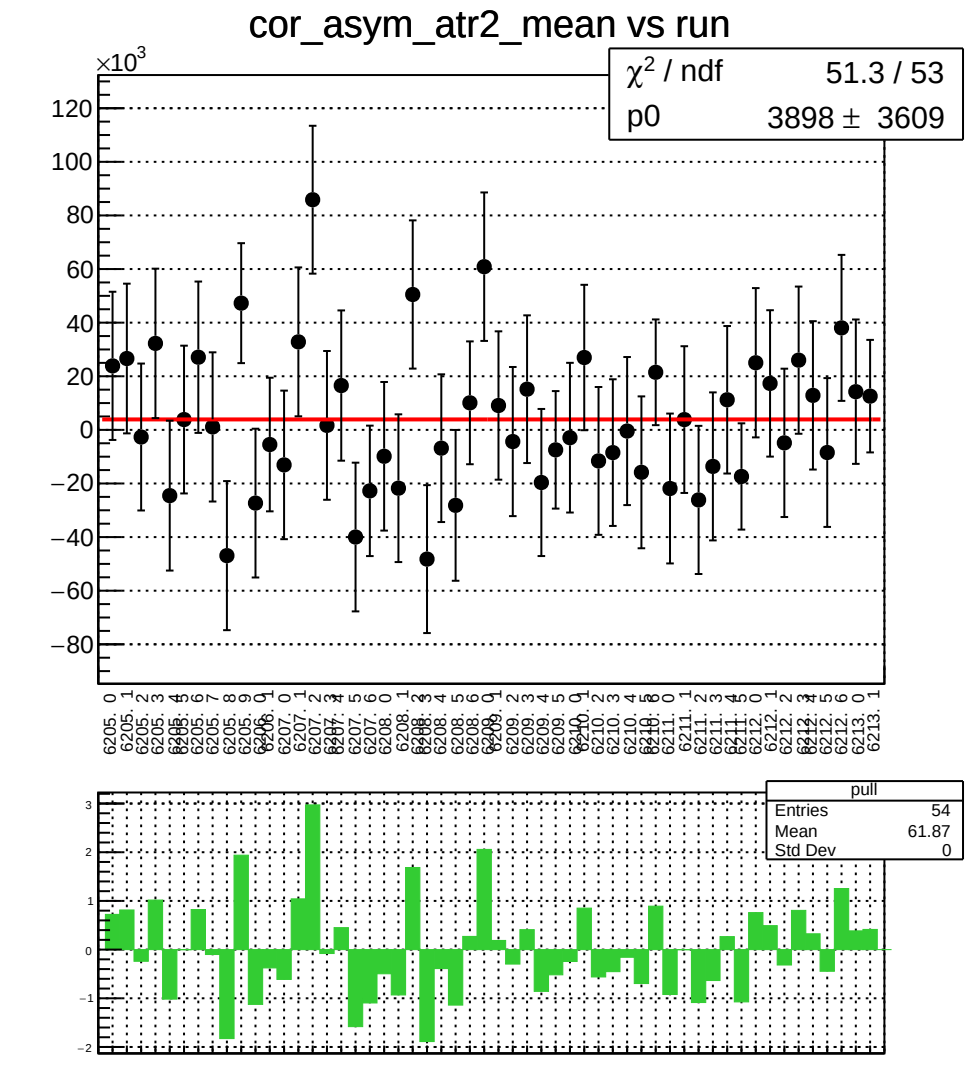
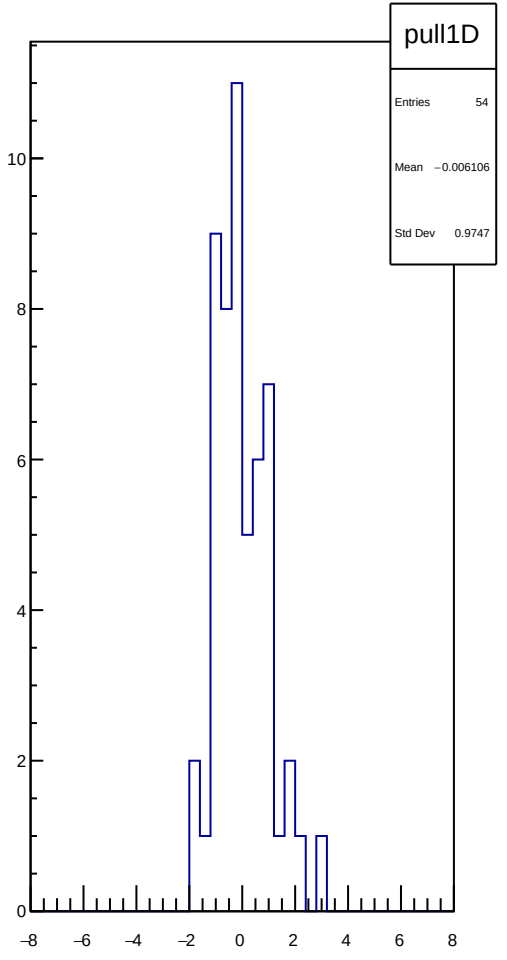
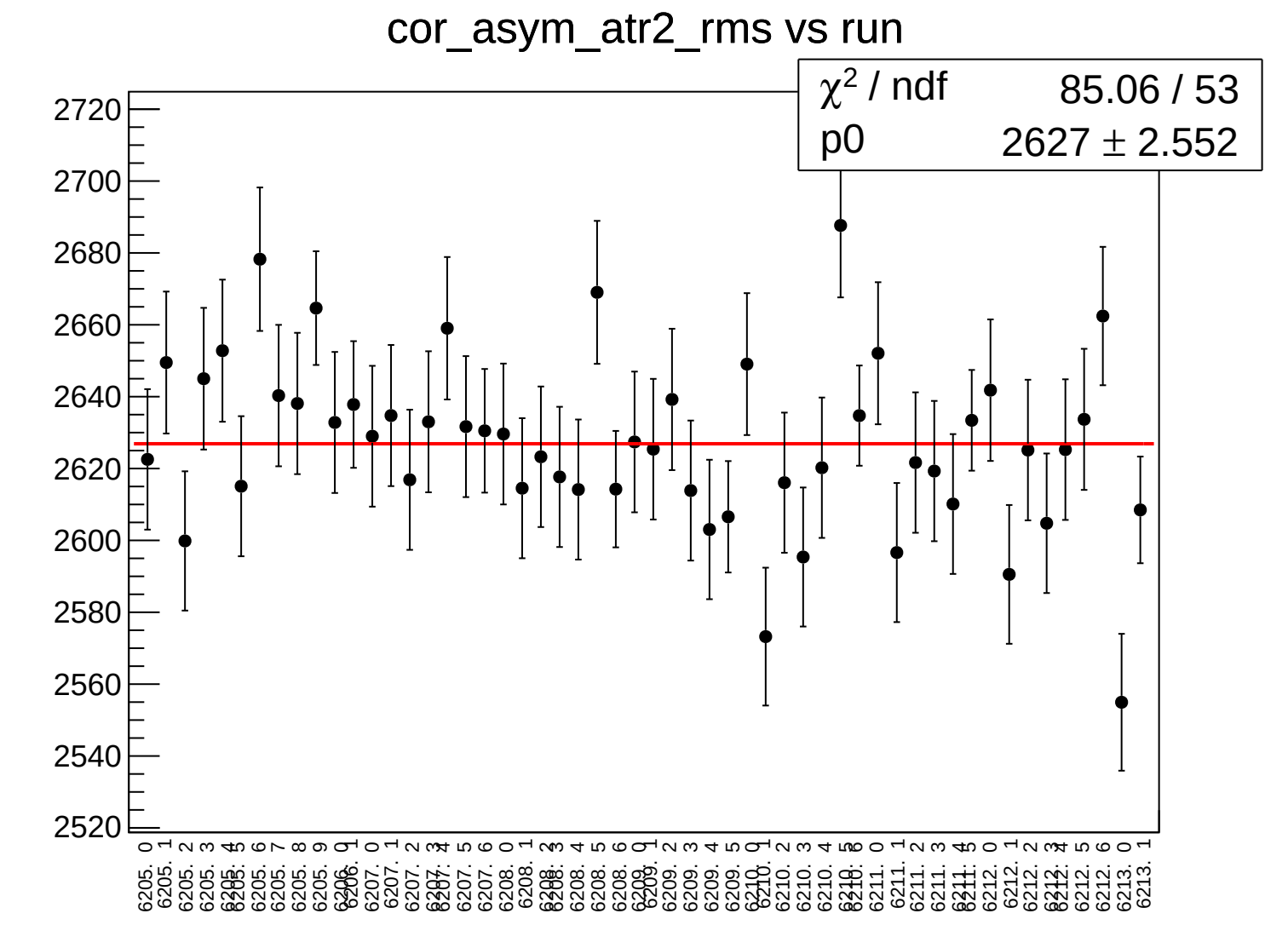

cor_asym_atr2_mean vs run
χ² / ndf 51.3 / 53
p0 3898 ± 3609
×10³
pull
Entries 54
Mean 61.87
Std Dev 0


pull1D
Entries 54
Mean −0.006106
Std Dev 0.9747


cor_asym_atr2_rms vs run
χ² / ndf 85.06 / 53
p0 2627 ± 2.552
2720
2700
2680
2660
2640
2620
2600
2580
2560
2540
2520
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
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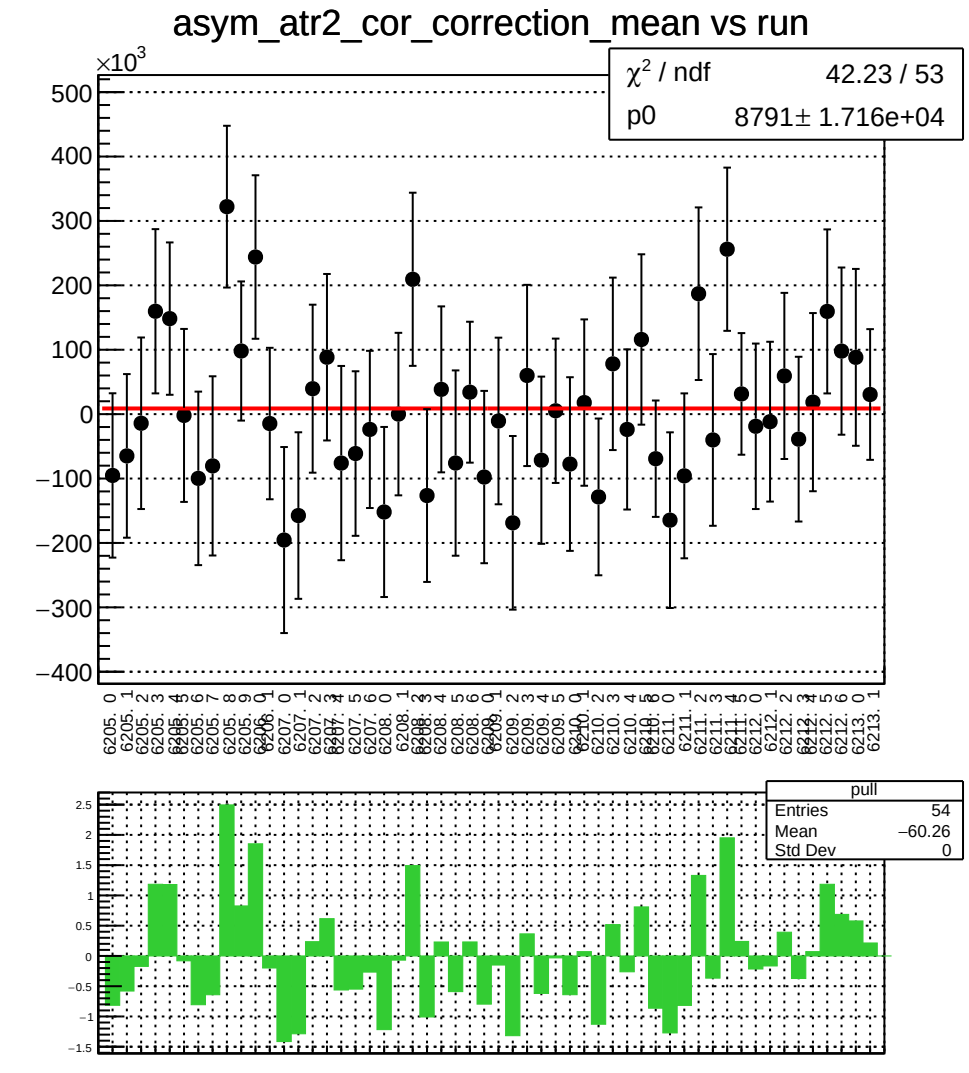
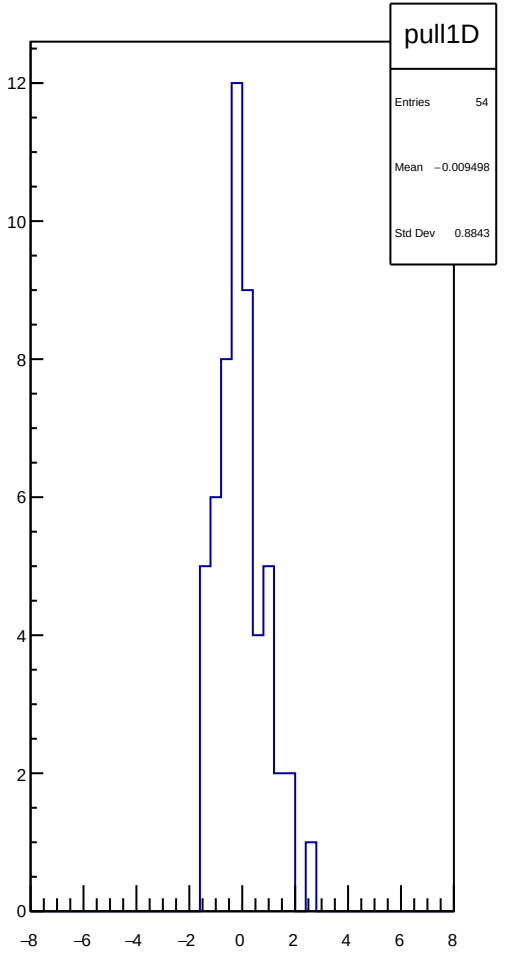
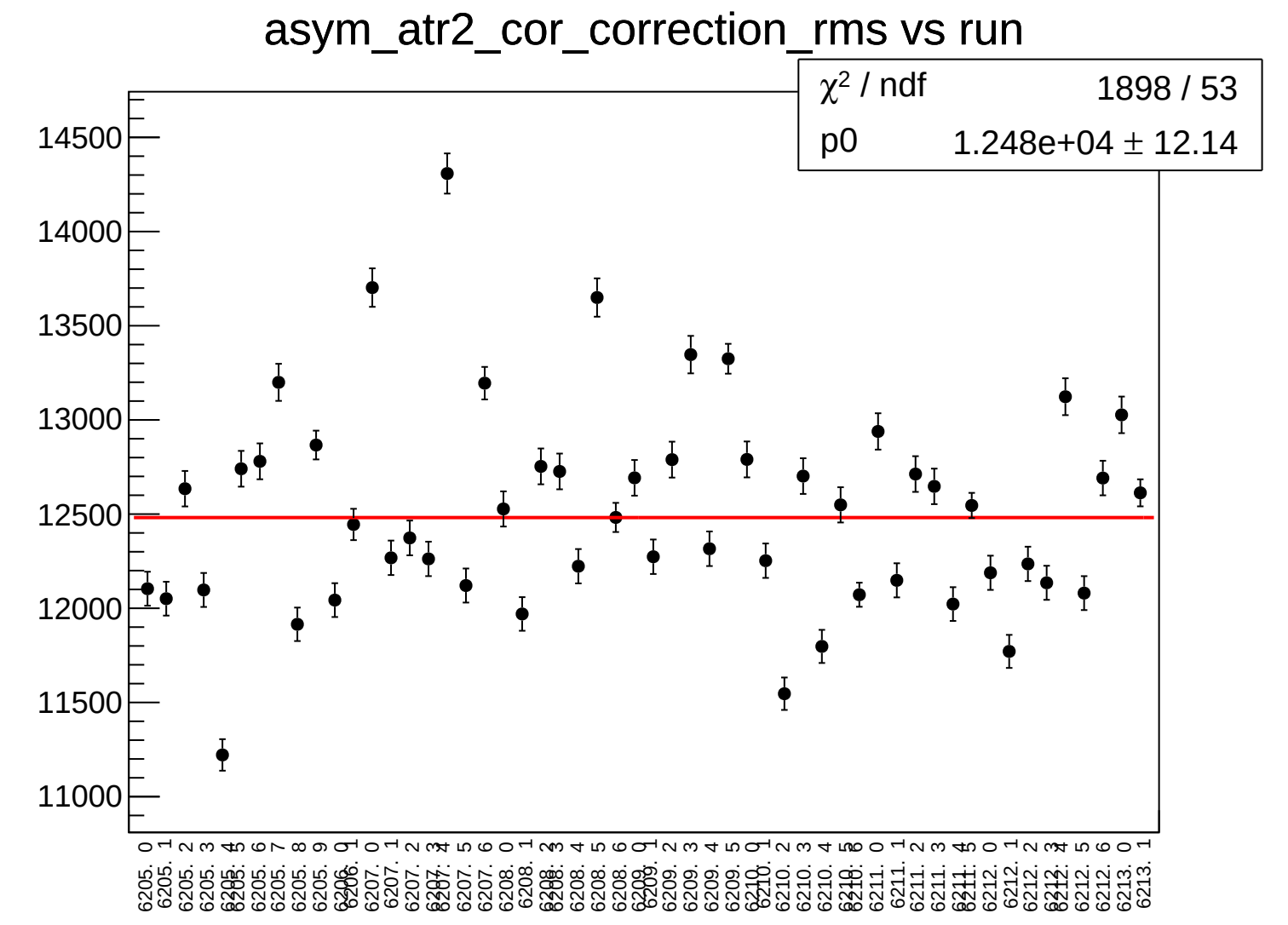
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_atr2_cor_correction_mean vs run
×10^3
χ² / ndf 42.23 / 53
p0 8791± 1.716e+04
pull
Entries 54
Mean −60.26
Std Dev 0


pull1D
Entries 54
Mean −0.009498
Std Dev 0.8843


asym_atr2_cor_correction_rms vs run
χ² / ndf 1898 / 53
p0 1.248e+04 ± 12.14
14500
14000
13500
13000
12500
12000
11500
11000
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
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6212. 1
6212. 2
6212. 3
6212. 4
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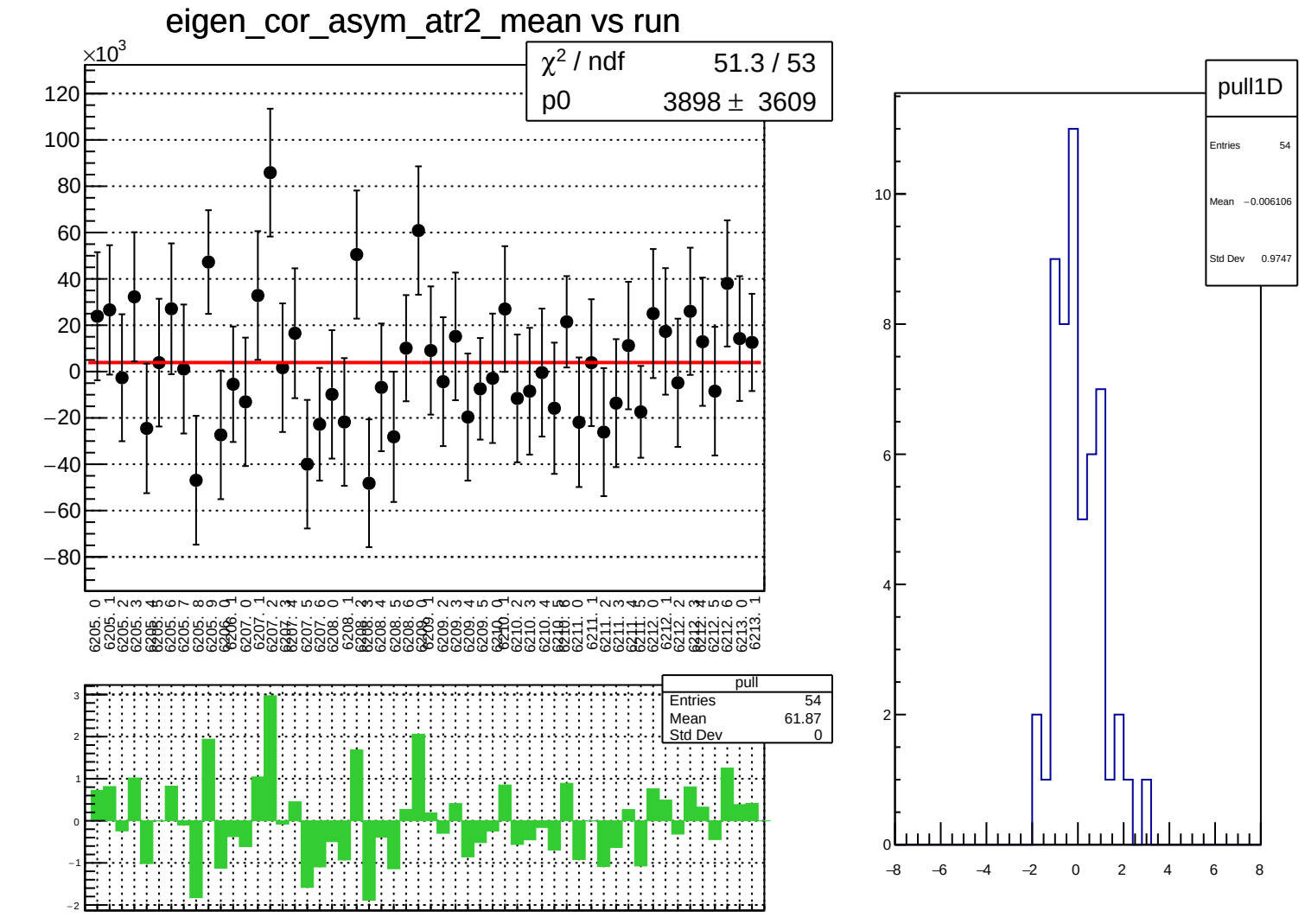
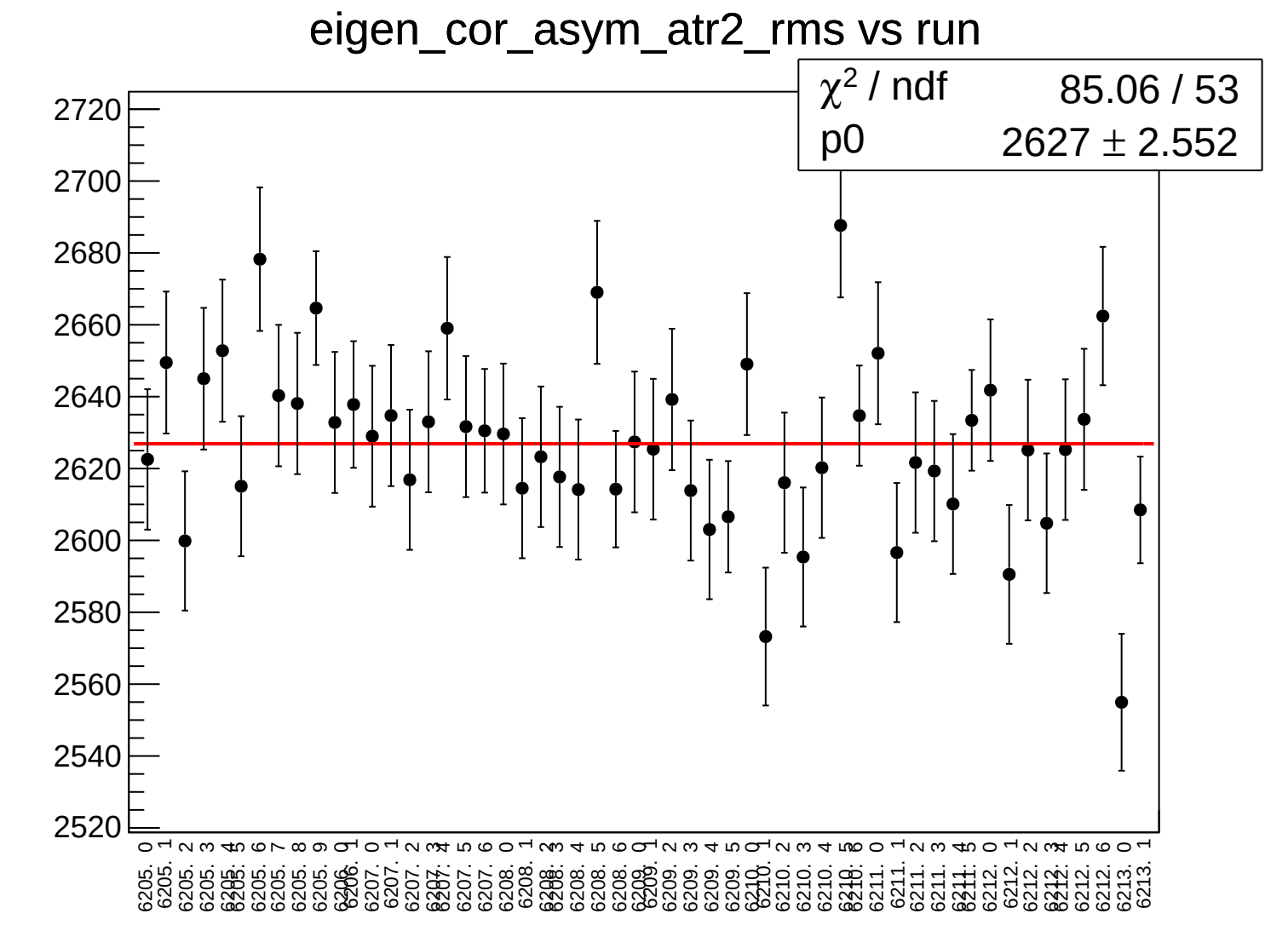
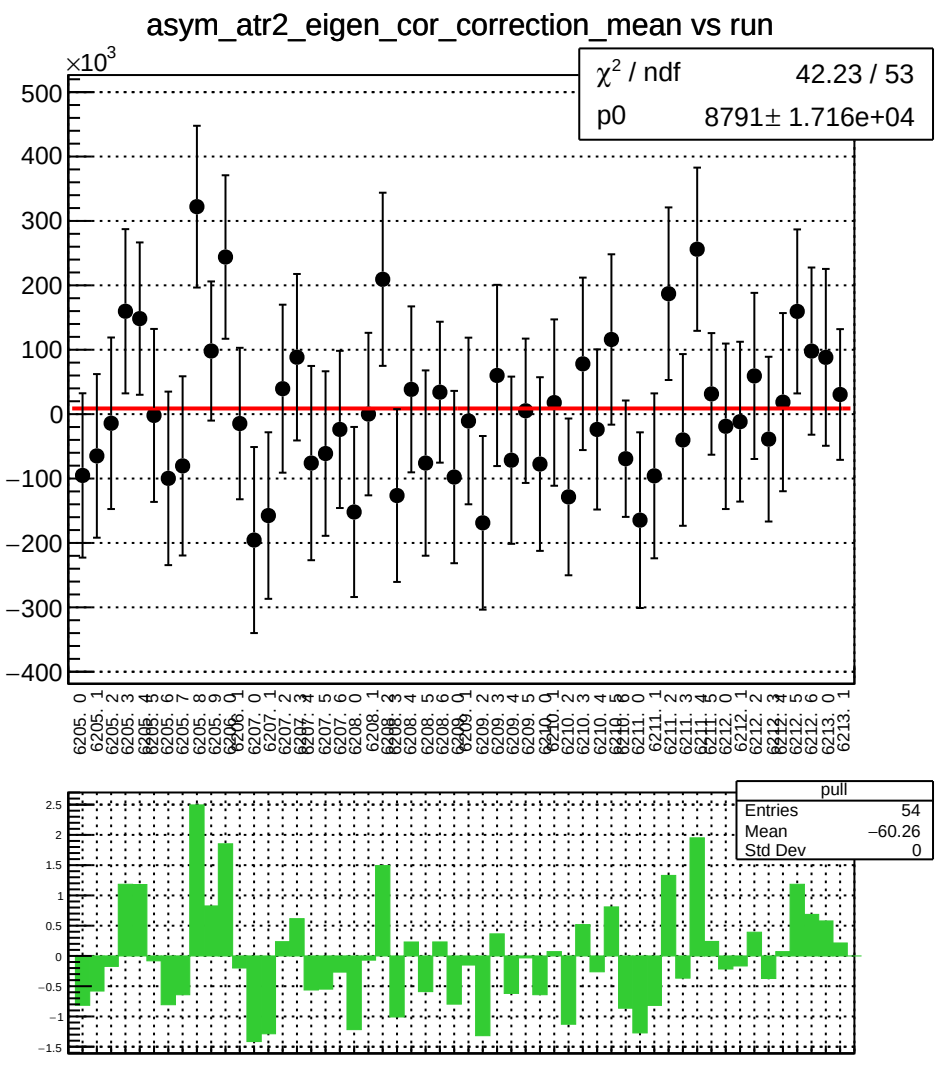
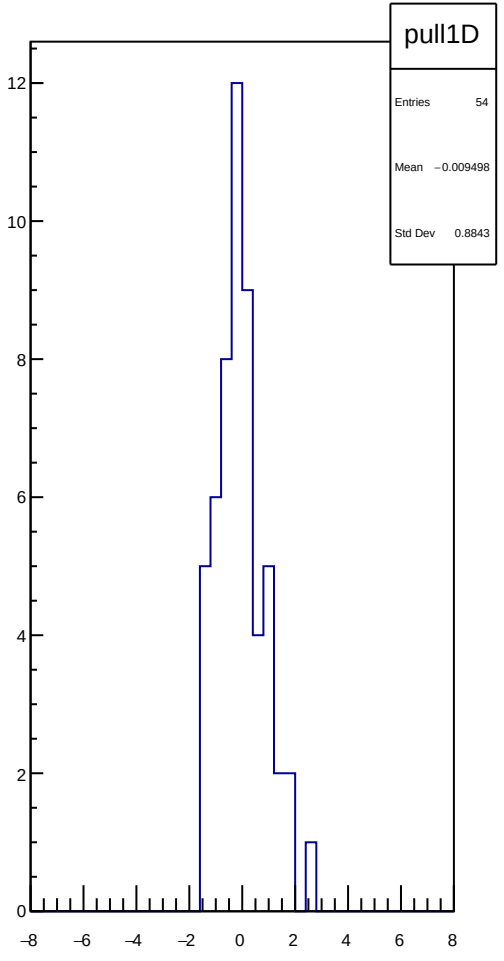
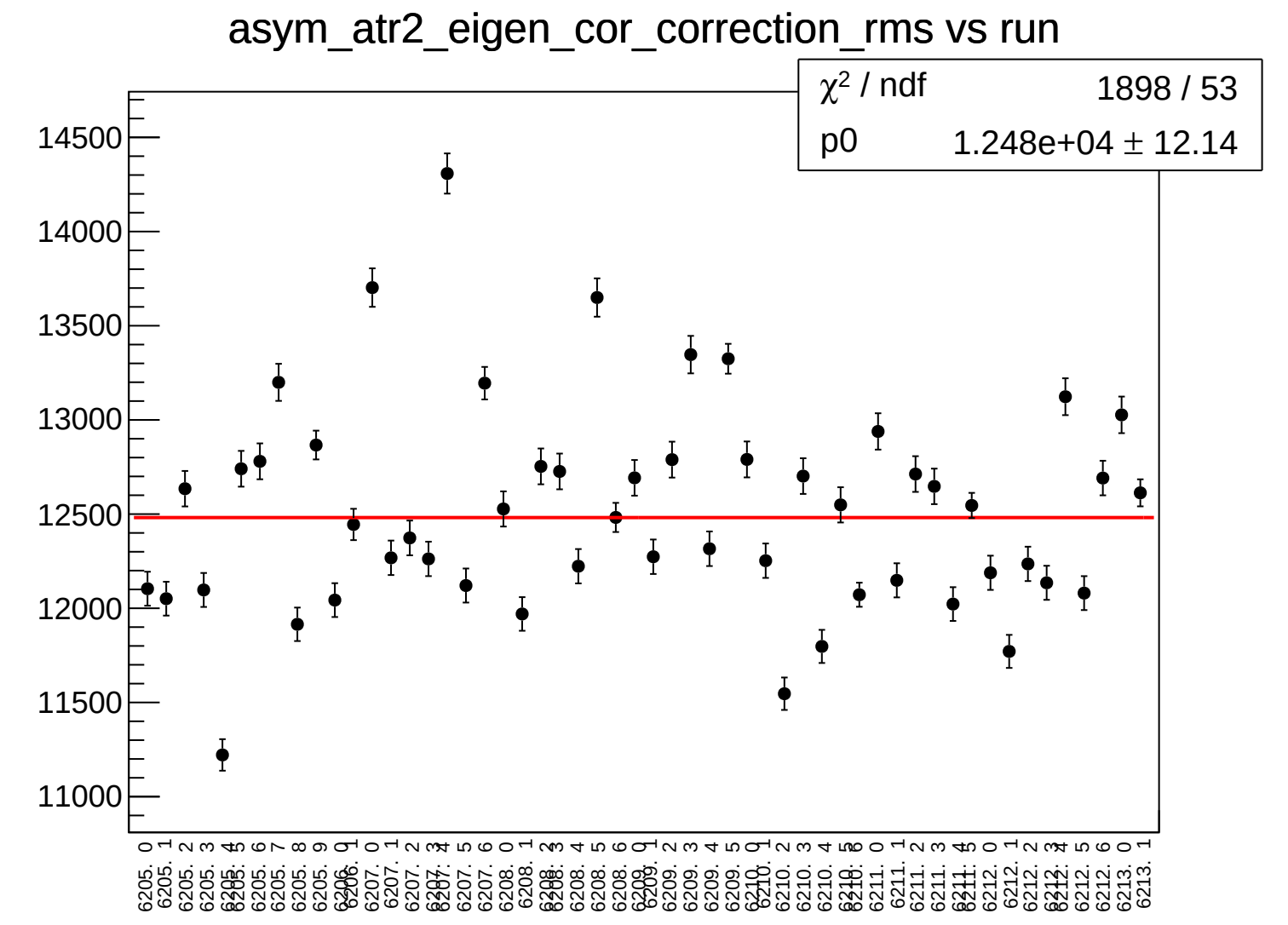
6212. 6
6213. 0
6213. 1

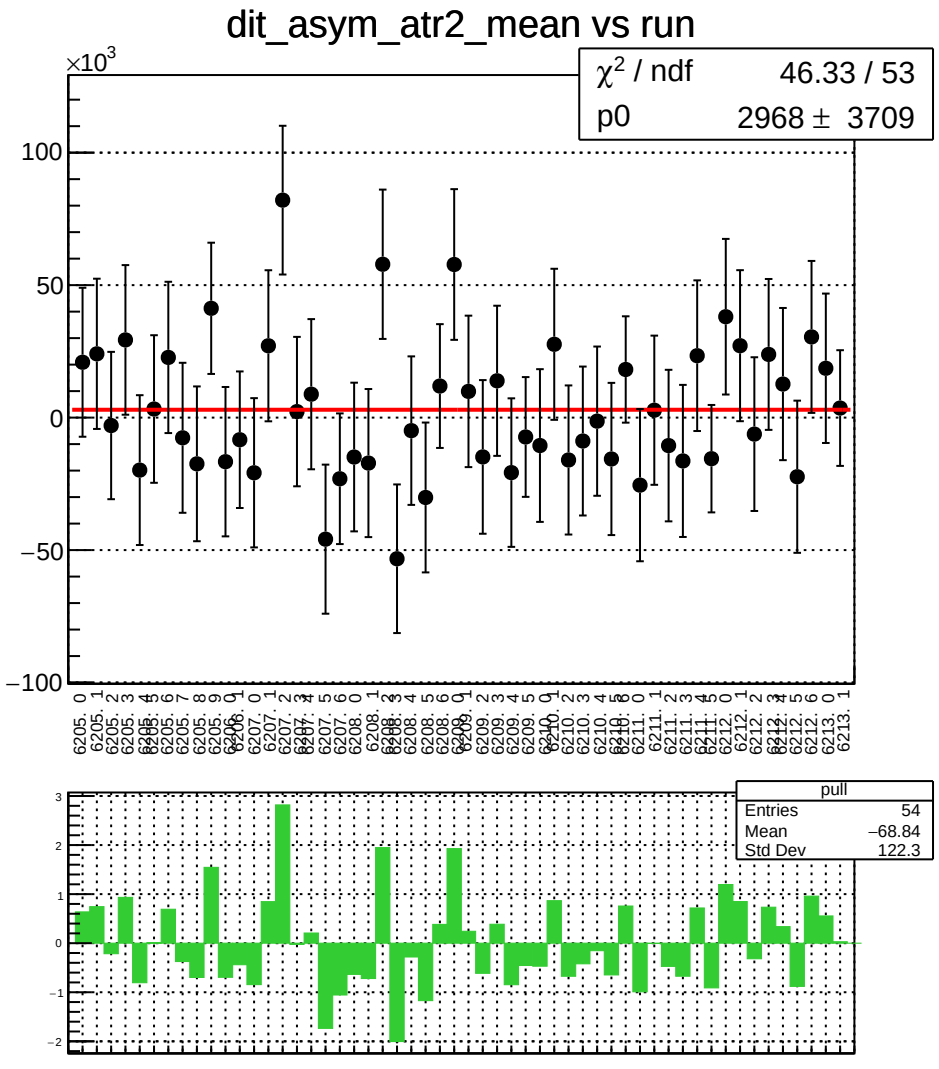

eigen_cor_asym_atr2_mean vs run
×10^3
χ^2 / ndf 51.3 / 53
p0 3898 ± 3609
pull
Entries 54
Mean 61.87
Std Dev 0
pull1D
Entries 54
Mean −0.006106
Std Dev 0.9747

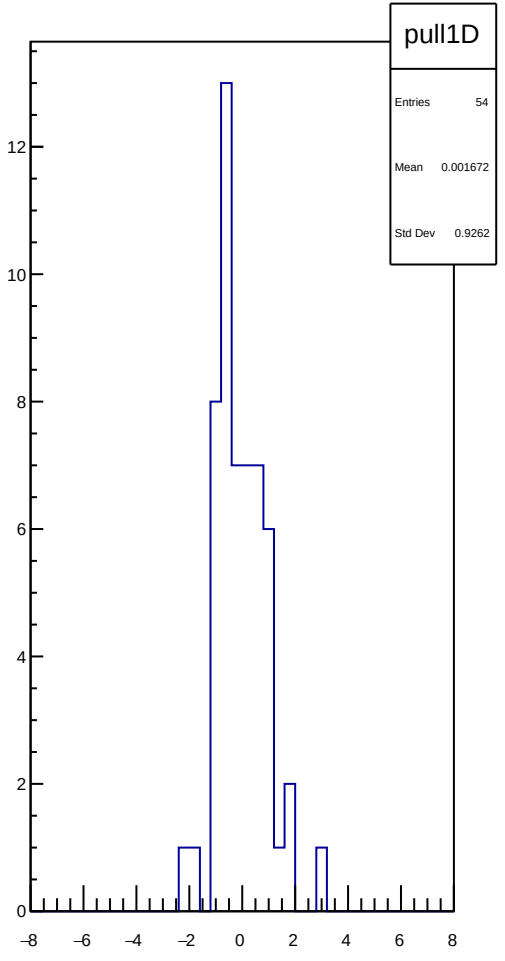

eigen_cor_asym_atr2_rms vs run
χ² / ndf 85.06 / 53
p0 2627 ± 2.552
2720
2700
2680
2660
2640
2620
2600
2580
2560
2540
2520
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 1
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

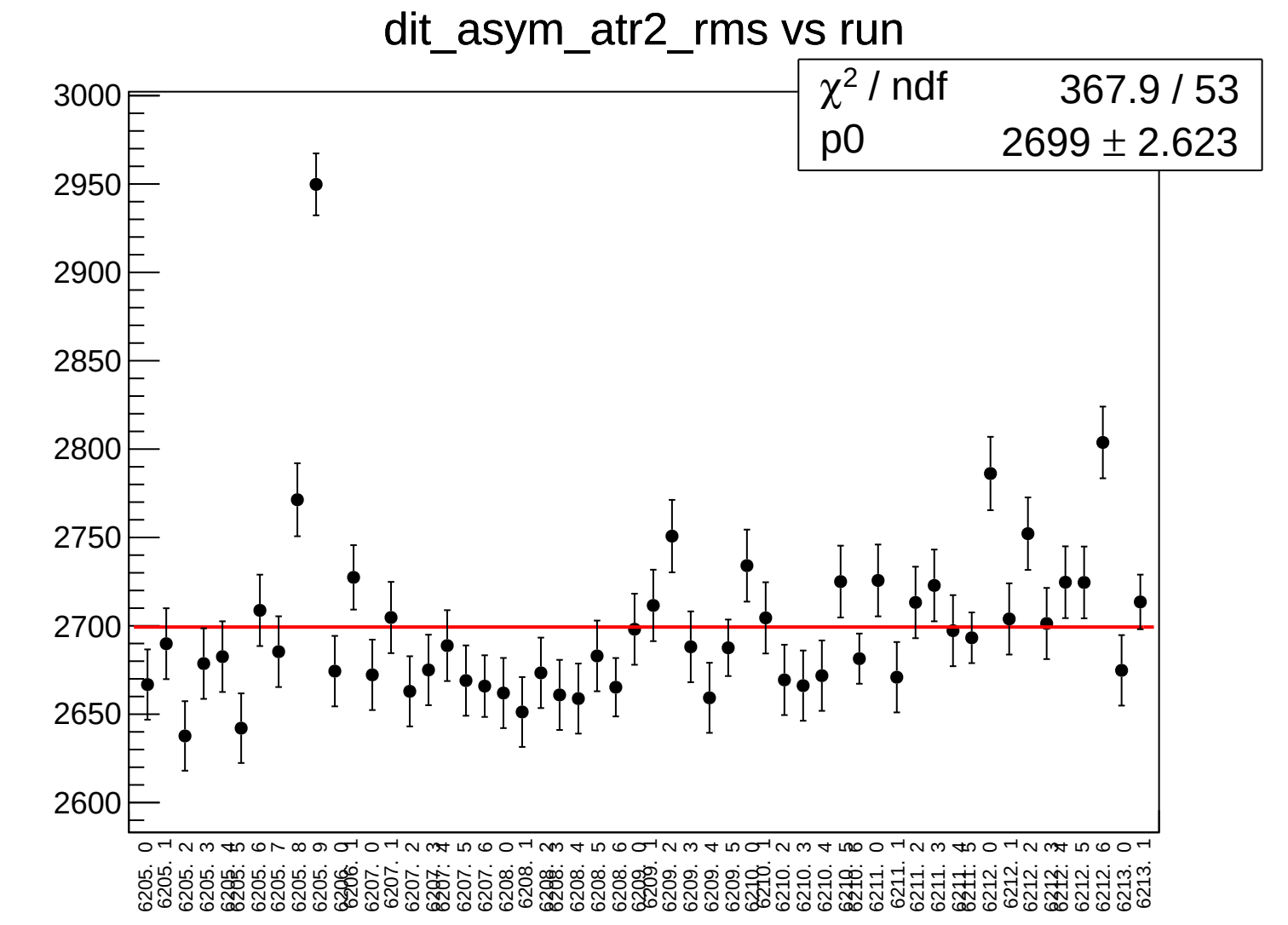

asym_atr2_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 42.23 / 53
p0 8791± 1.716e+04
pull
Entries 54
Mean −60.26
Std Dev 0


pull1D
Entries 54
Mean −0.009498
Std Dev 0.8843


asym_atr2_eigen_cor_correction_rms vs run
χ² / ndf 1898 / 53
p0 1.248e+04 ± 12.14
14500
14000
13500
13000
12500
12000
11500
11000
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


dit_asym_atr2_mean vs run
×10^3
χ² / ndf 46.33 / 53
p0 2968 ± 3709
100
50
0
−50
−100
pull
Entries 54
Mean −68.84
Std Dev 122.3
3
2
1
0
−1
−2


pull1D
Entries 54
Mean 0.001672
Std Dev 0.9262
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_atr2_rms vs run
χ² / ndf 367.9 / 53
p0 2699 ± 2.623
3000
2950
2900
2850
2800
2750
2700
2650
2600
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
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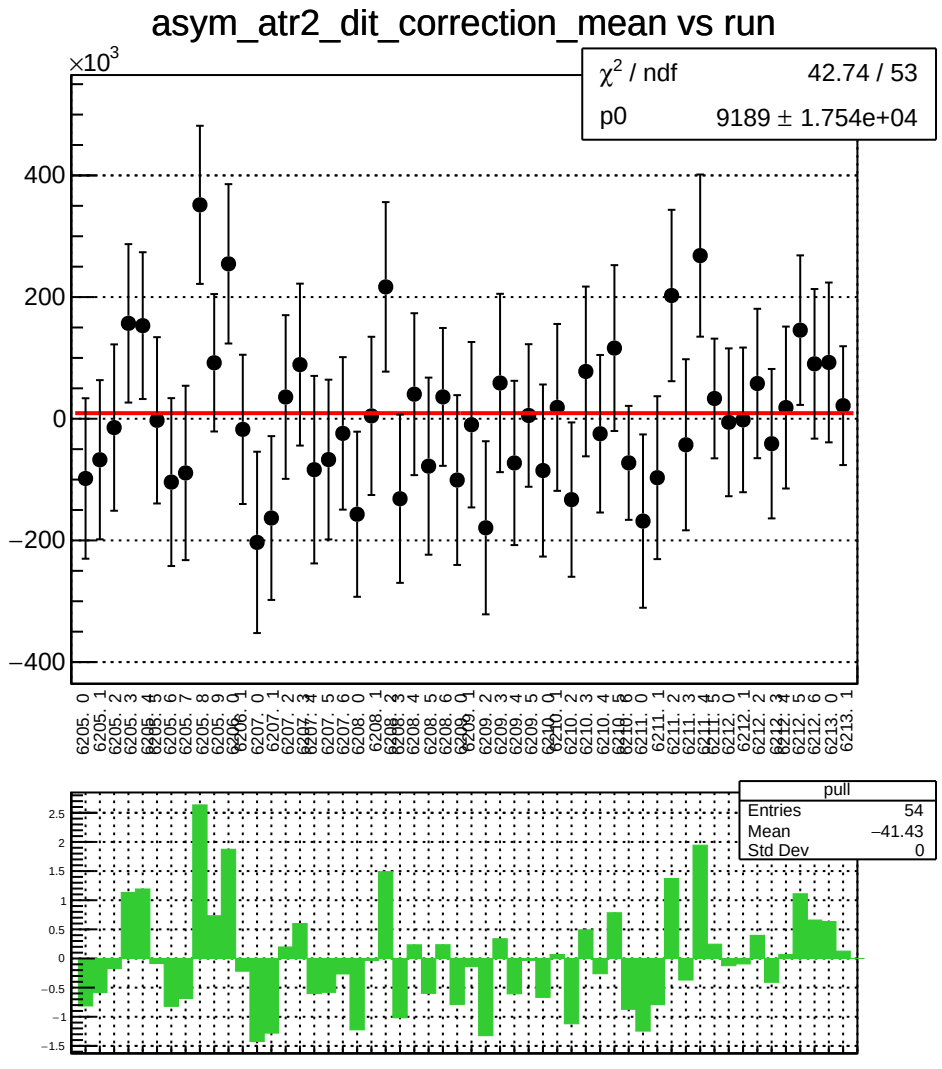
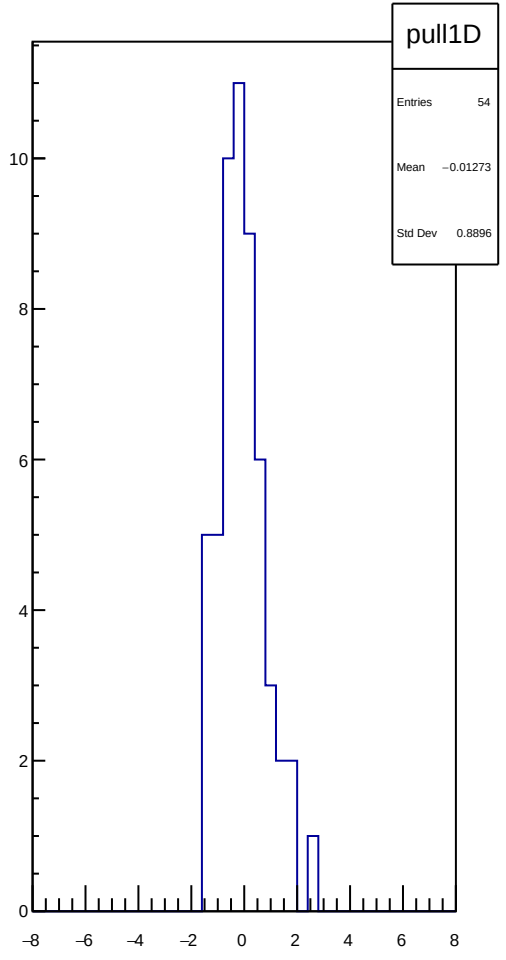
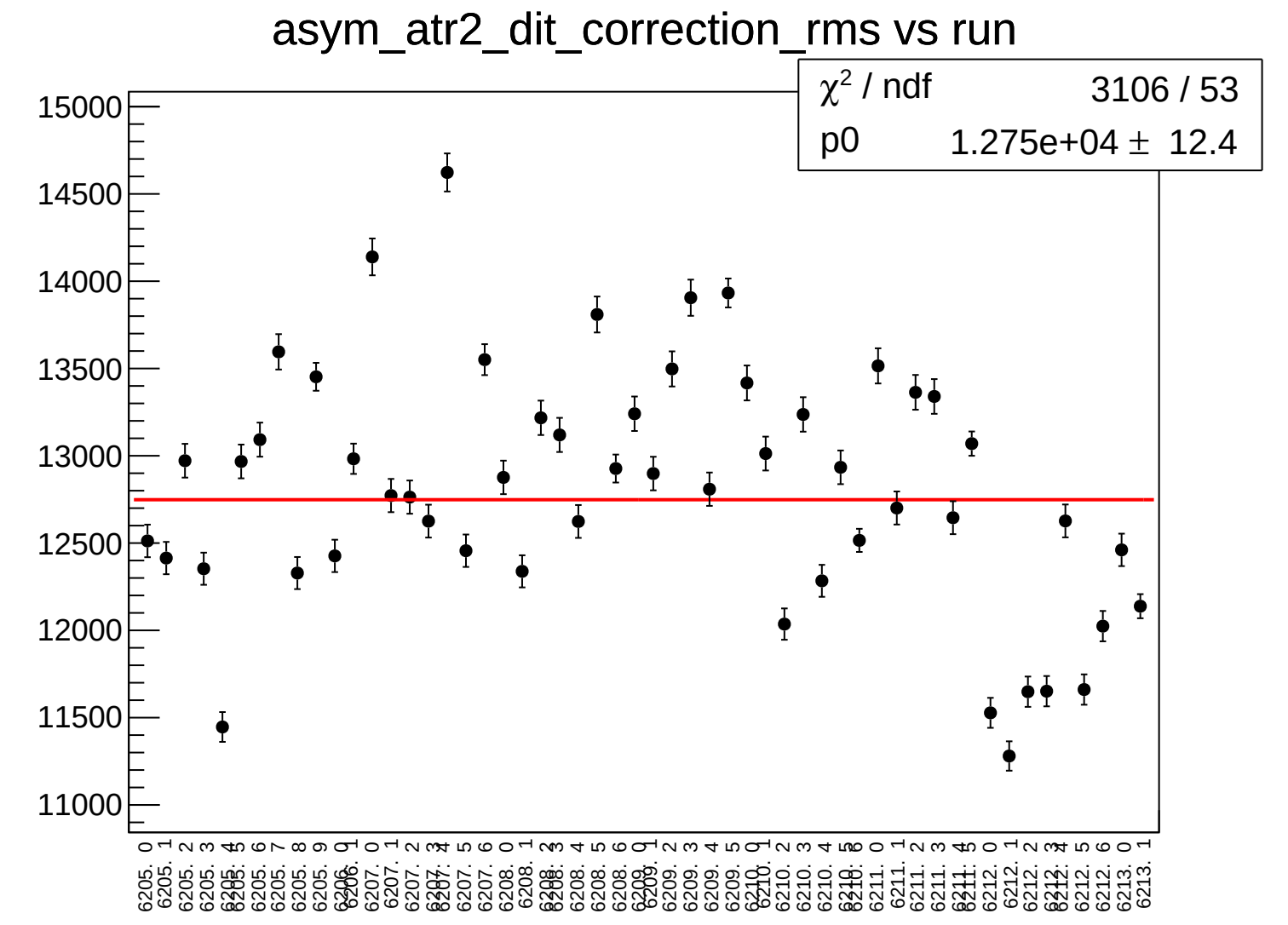
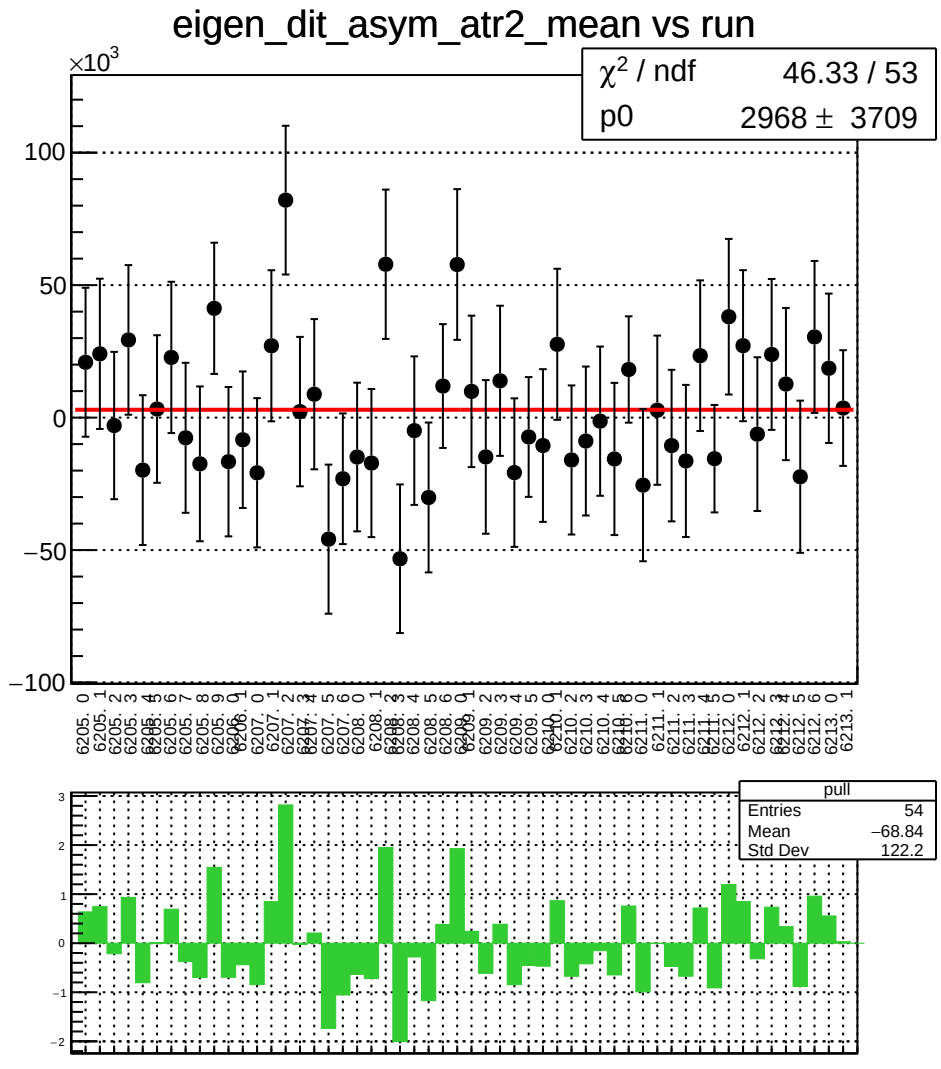
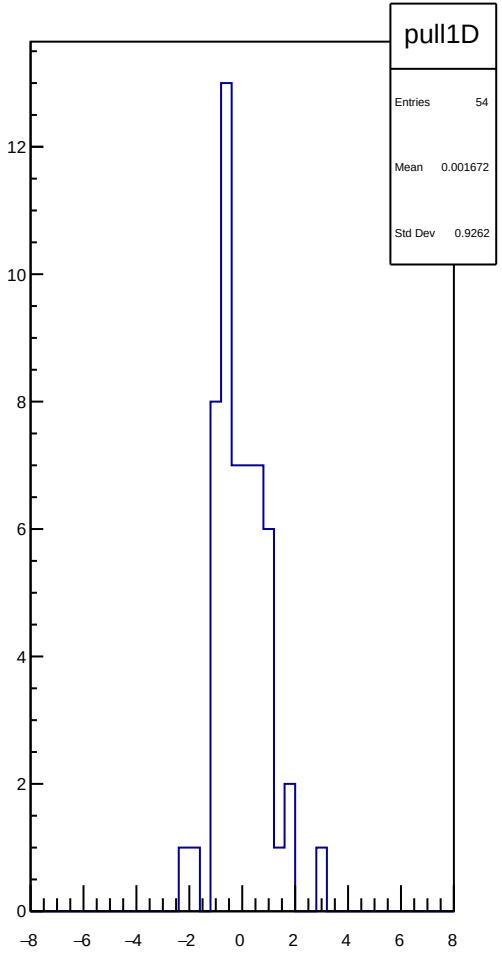
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

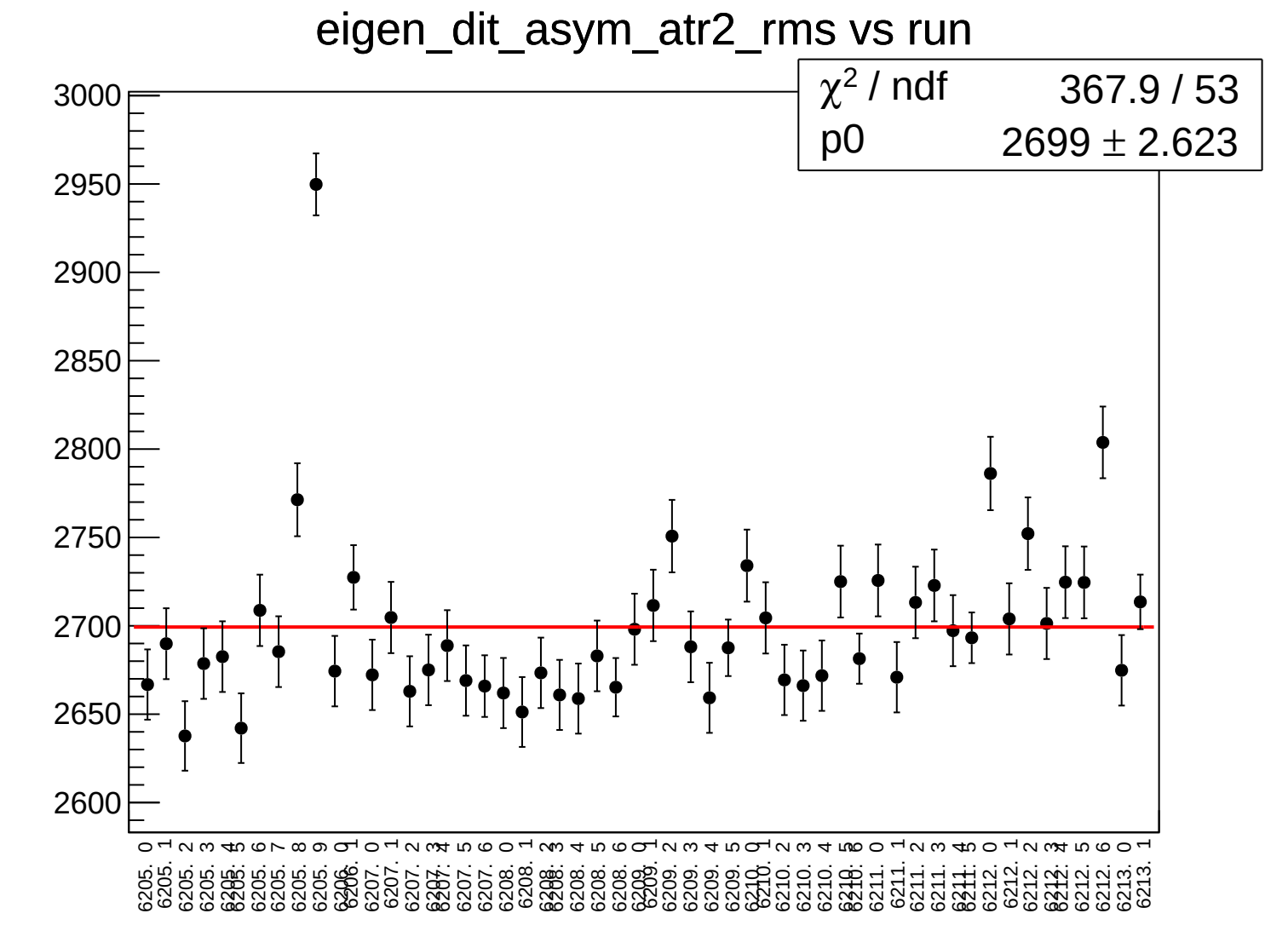

asym_atr2_dit_correction_mean vs run
×10^3
χ² / ndf 42.74 / 53
p0 9189 ± 1.754e+04
400
200
0
−200
−400
pull
Entries 54
Mean −41.43
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 54
Mean −0.01273
Std Dev 0.8896
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atr2_dit_correction_rms vs run
χ² / ndf 3106 / 53
p0 1.275e+04 ± 12.4
15000
14500
14000
13500
13000
12500
12000
11500
11000
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


eigen_dit_asym_atr2_mean vs run
χ² / ndf 46.33 / 53
p0 2968 ± 3709
pull
Entries 54
Mean −68.84
Std Dev 122.2


pull1D
Entries 54
Mean 0.001672
Std Dev 0.9262


eigen_dit_asym_atr2_rms vs run
χ² / ndf 367.9 / 53
p0 2699 ± 2.623
3000
2950
2900
2850
2800
2750
2700
2650
2600
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
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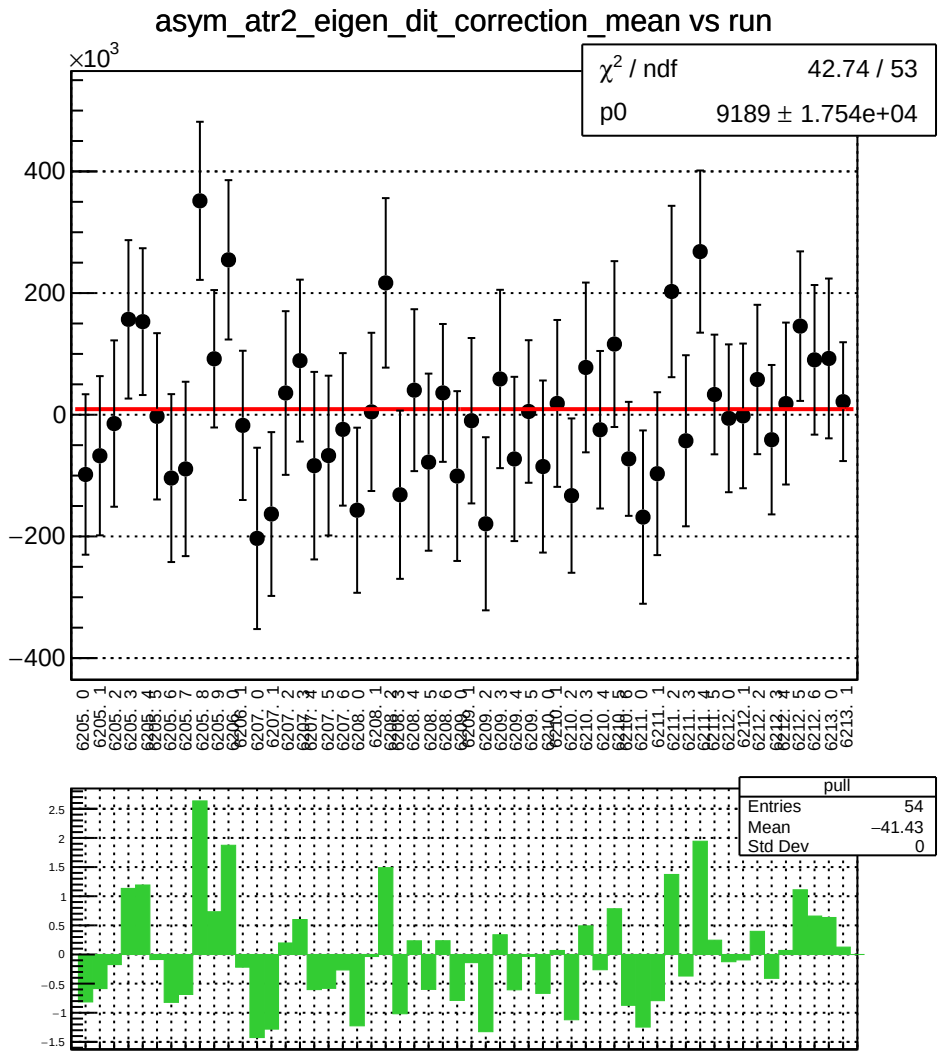
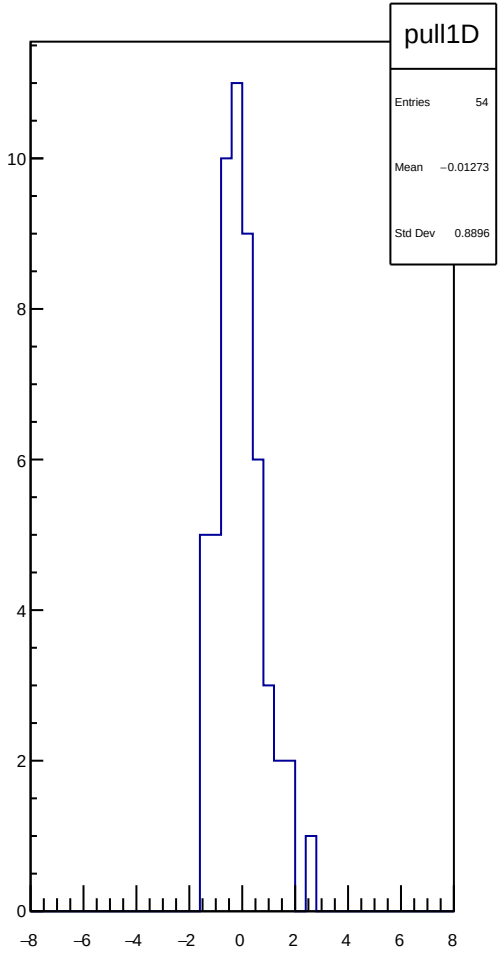
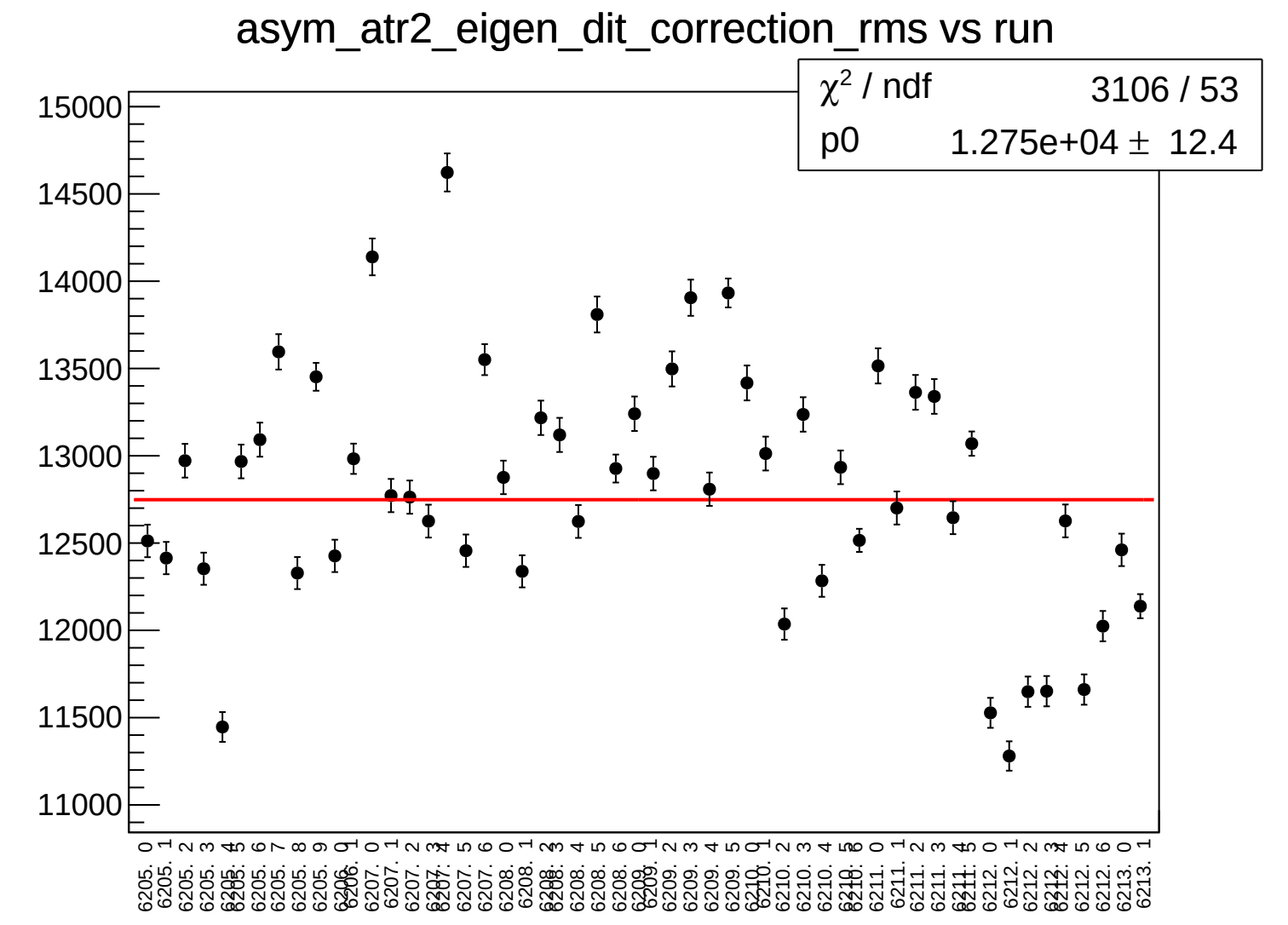
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_atr2_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 42.74 / 53
p0 9189 ± 1.754e+04
400
200
0
−200
−400
pull
Entries 54
Mean −41.43
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 54
Mean −0.01273
Std Dev 0.8896
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 3106 / 53
p0 1.275e+04 ± 12.4
15000
14500
14000
13500
13000
12500
12000
11500
11000
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
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6207. 0
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6207. 4
6207. 5
6207. 6
6208. 0
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6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
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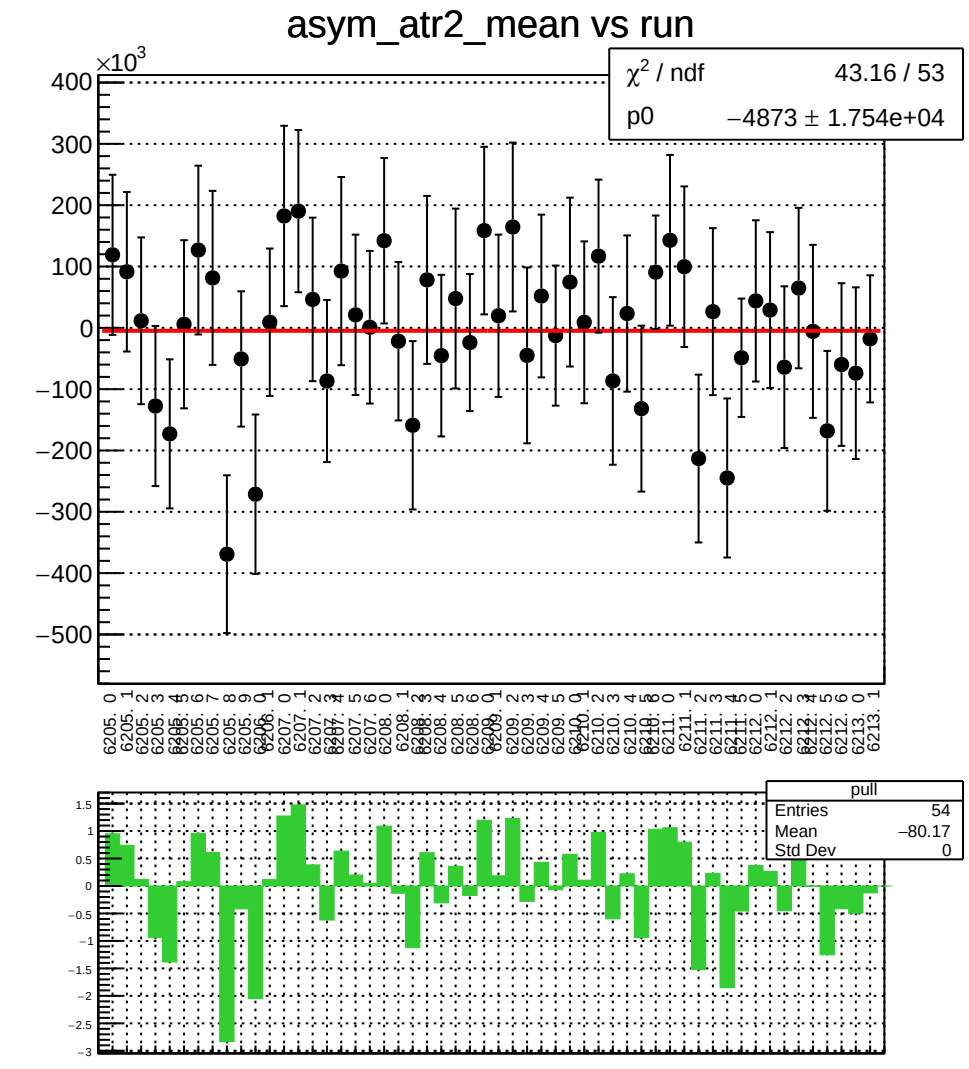
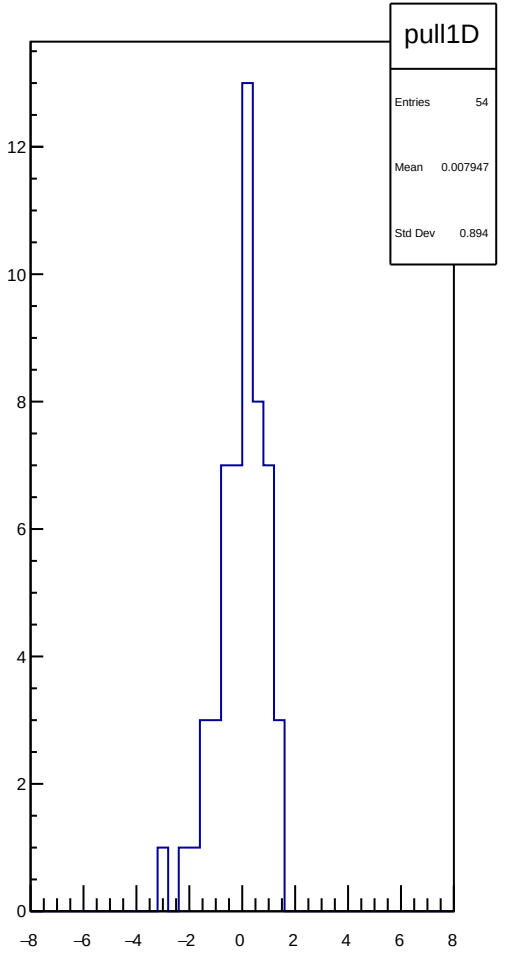
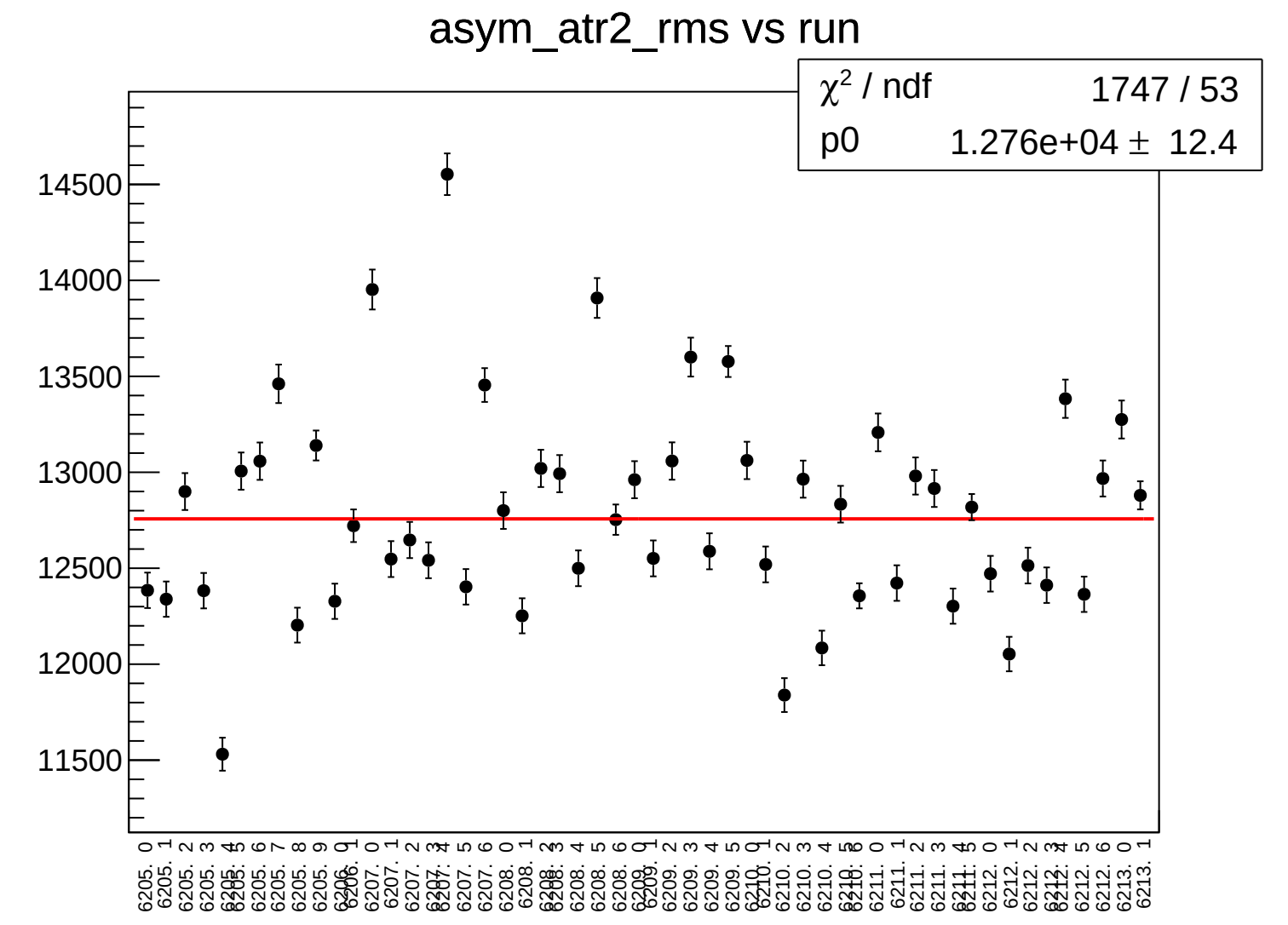
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_atr2_mean vs run
×10^3
χ² / ndf 43.16 / 53
p0 −4873 ± 1.754e+04
pull
Entries 54
Mean −80.17
Std Dev 0


pull1D
Entries 54
Mean 0.007947
Std Dev 0.894


asym_atr2_rms vs run
χ² / ndf 1747 / 53
p0 1.276e+04 ± 12.4
14500
14000
13500
13000
12500
12000
11500
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
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6212. 2
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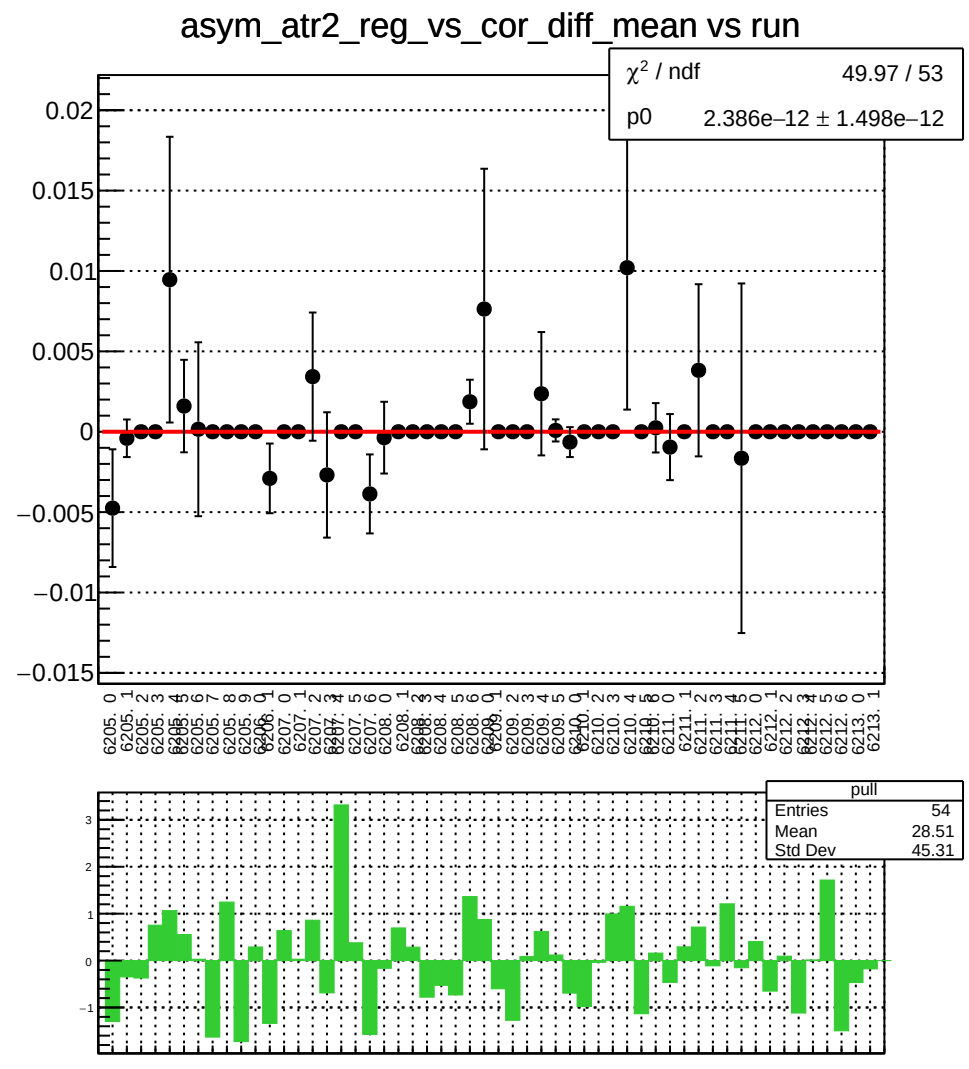
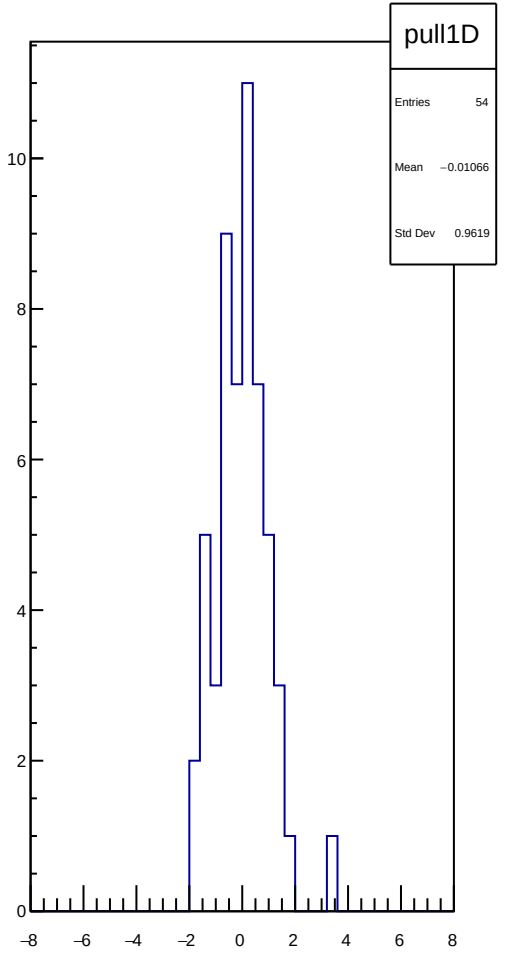
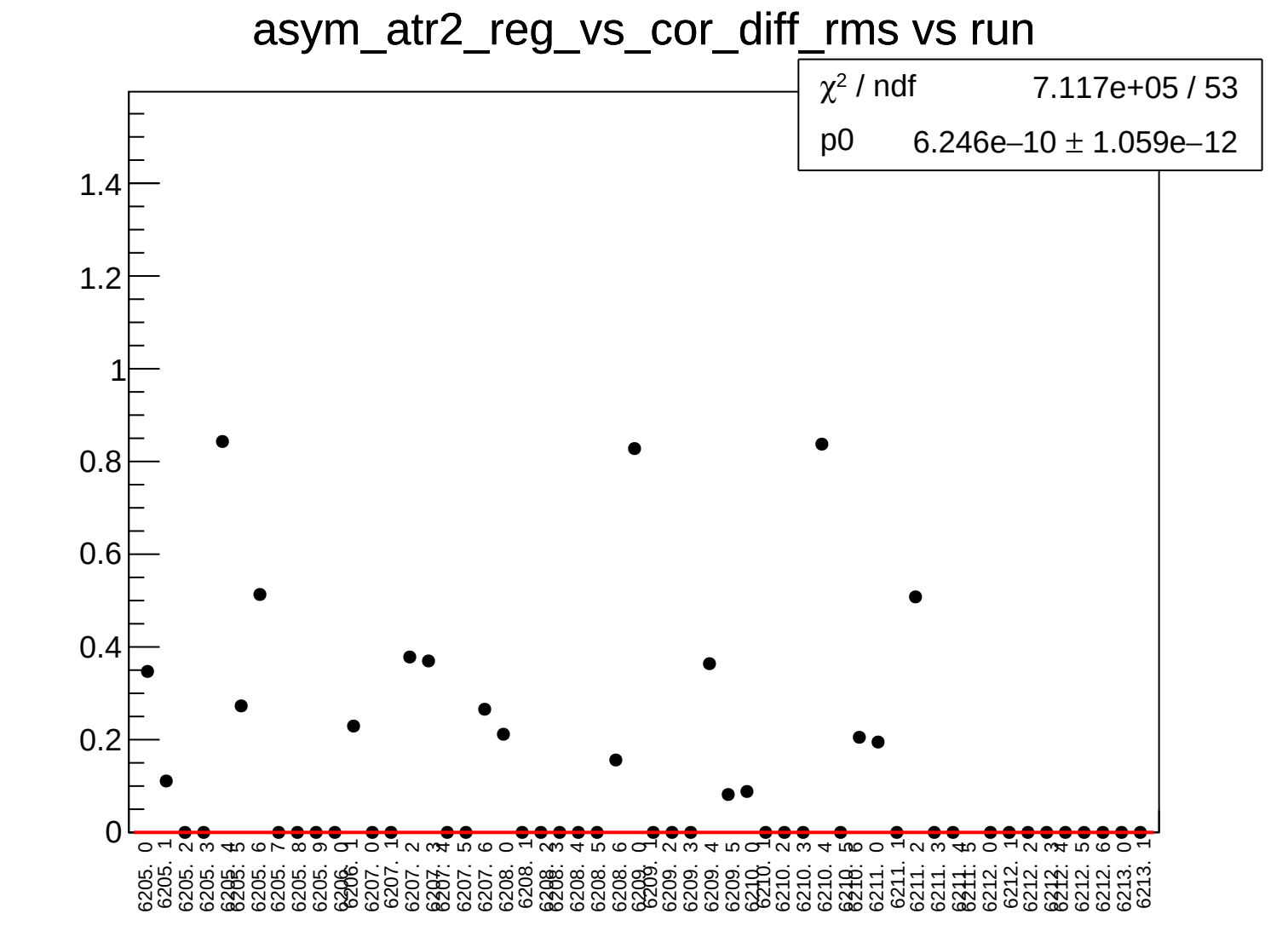
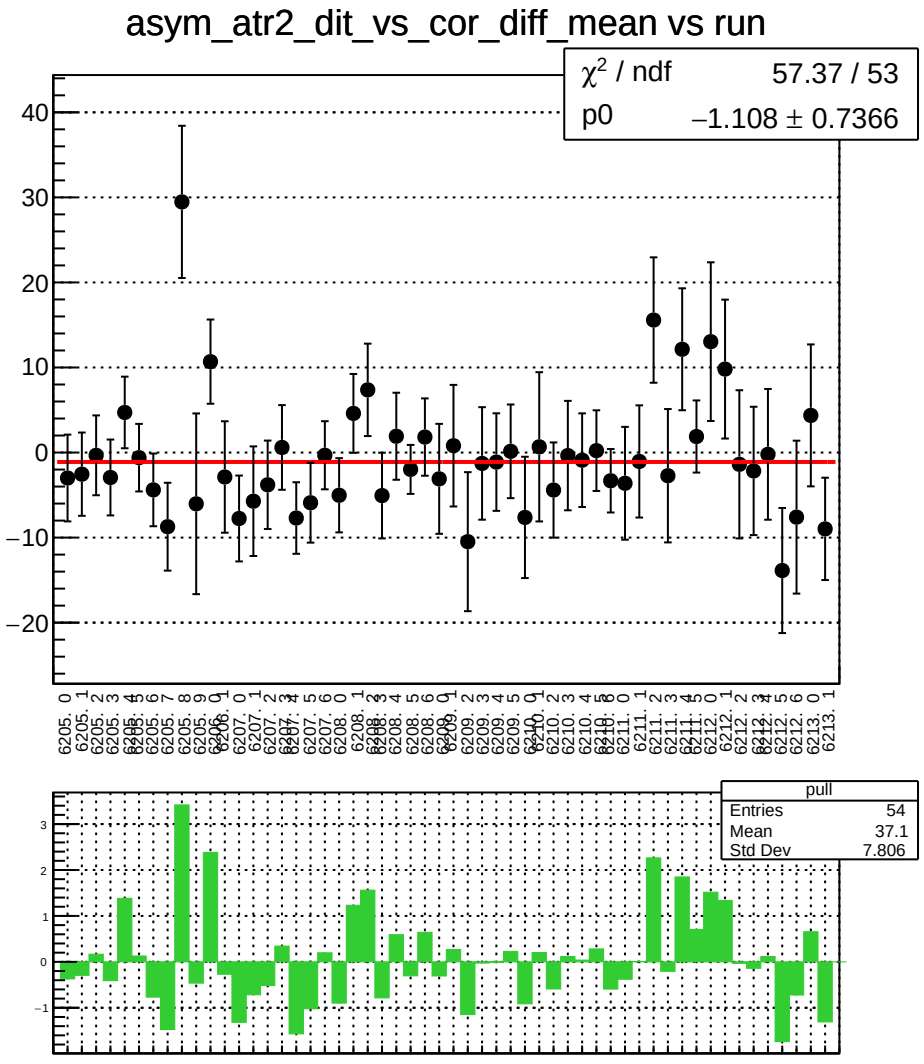
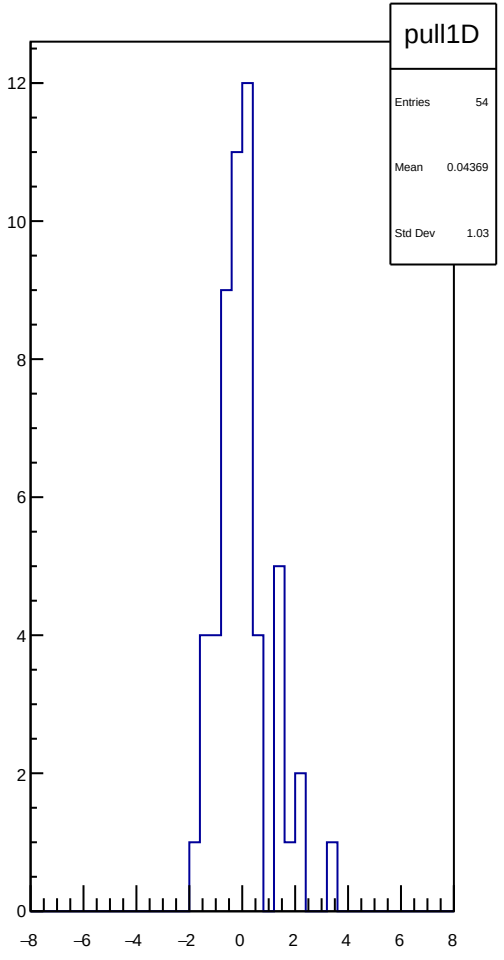
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

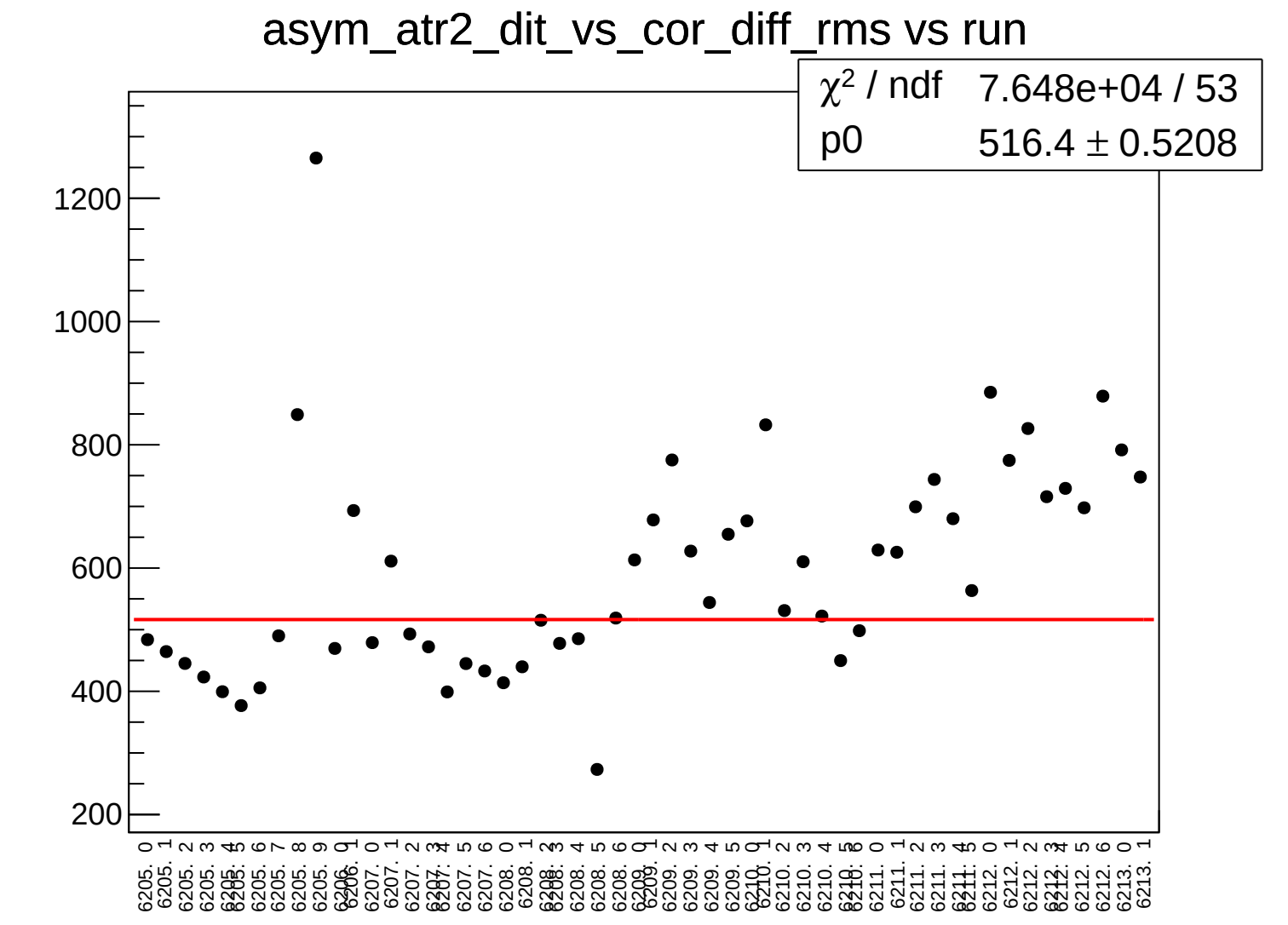

asym_atr2_reg_vs_cor_diff_mean vs run
χ² / ndf 49.97 / 53
p0 2.386e−12 ± 1.498e−12
pull
Entries 54
Mean 28.51
Std Dev 45.31

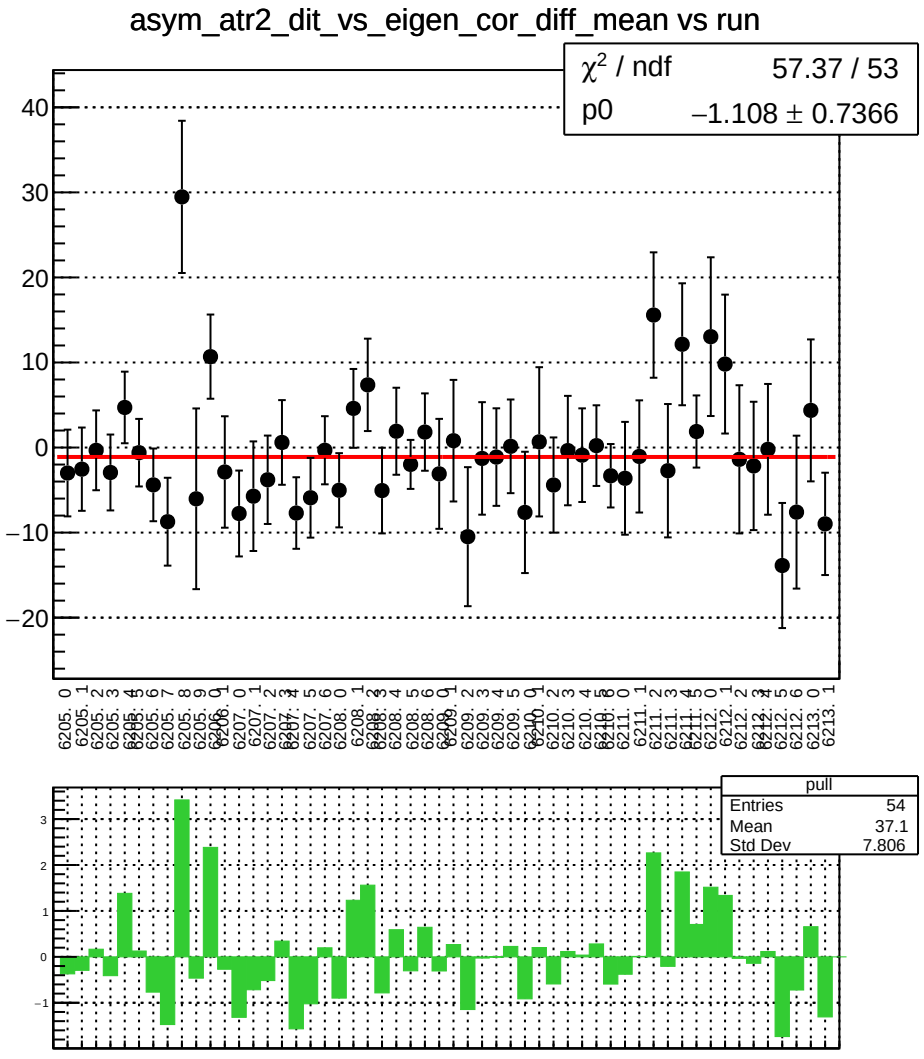

pull1D
Entries 54
Mean −0.01066
Std Dev 0.9619

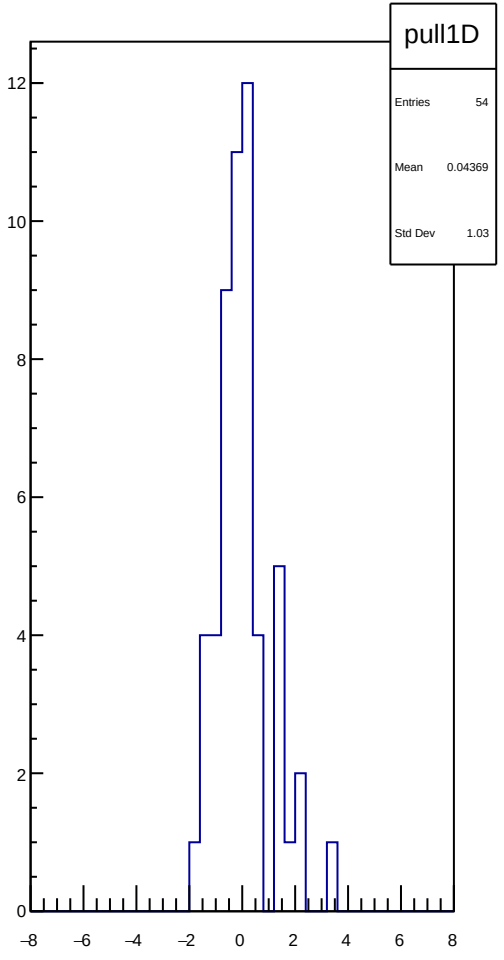

asym_atr2_reg_vs_cor_diff_rms vs run
χ² / ndf 7.117e+05 / 53
p0 6.246e−10 ± 1.059e−12
1.4
1.2
1
0.8
0.6
0.4
0.2
0

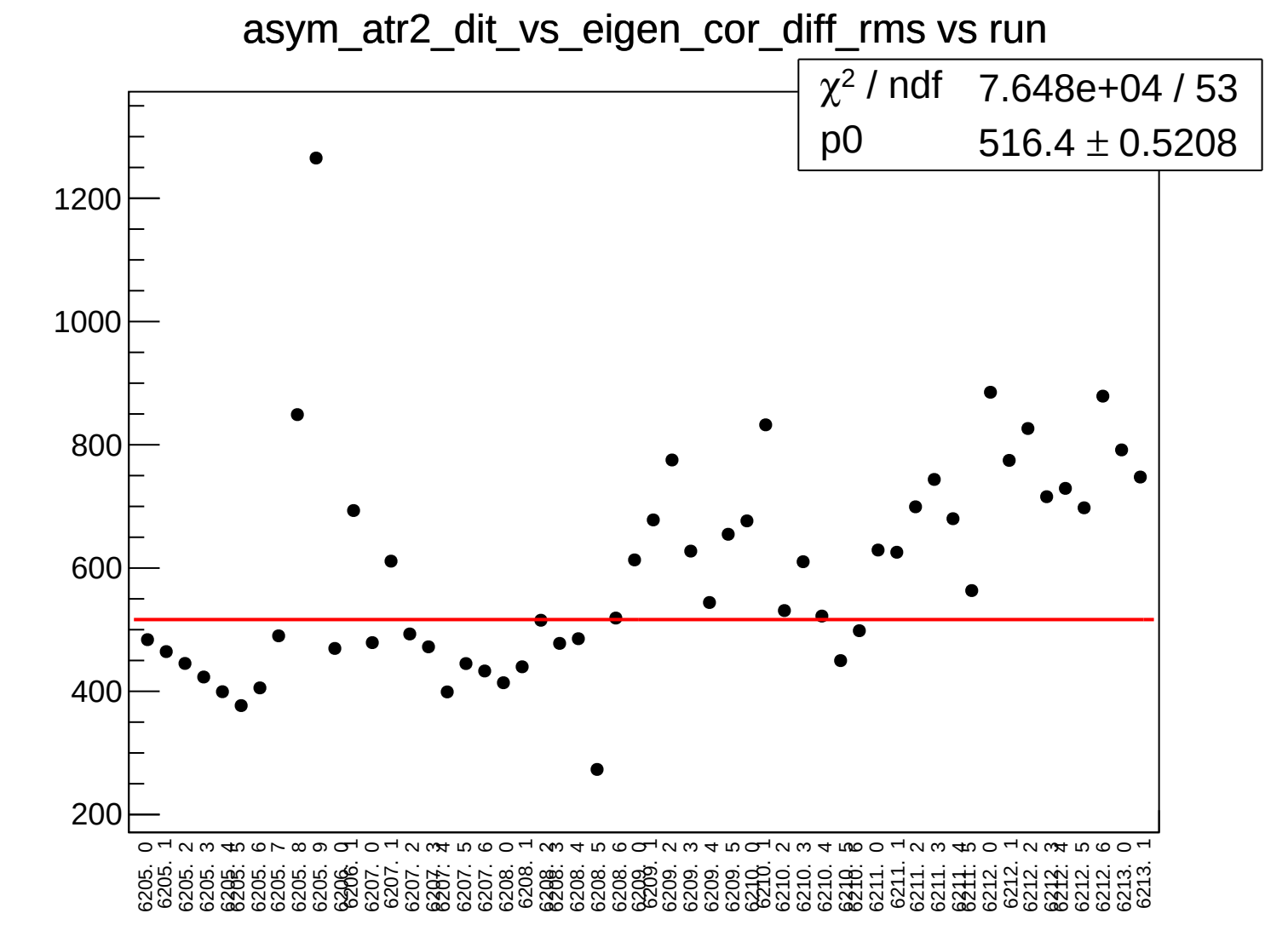

asym_atr2_dit_vs_cor_diff_mean vs run
χ² / ndf 57.37 / 53
p0 −1.108 ± 0.7366
pull
Entries 54
Mean 37.1
Std Dev 7.806

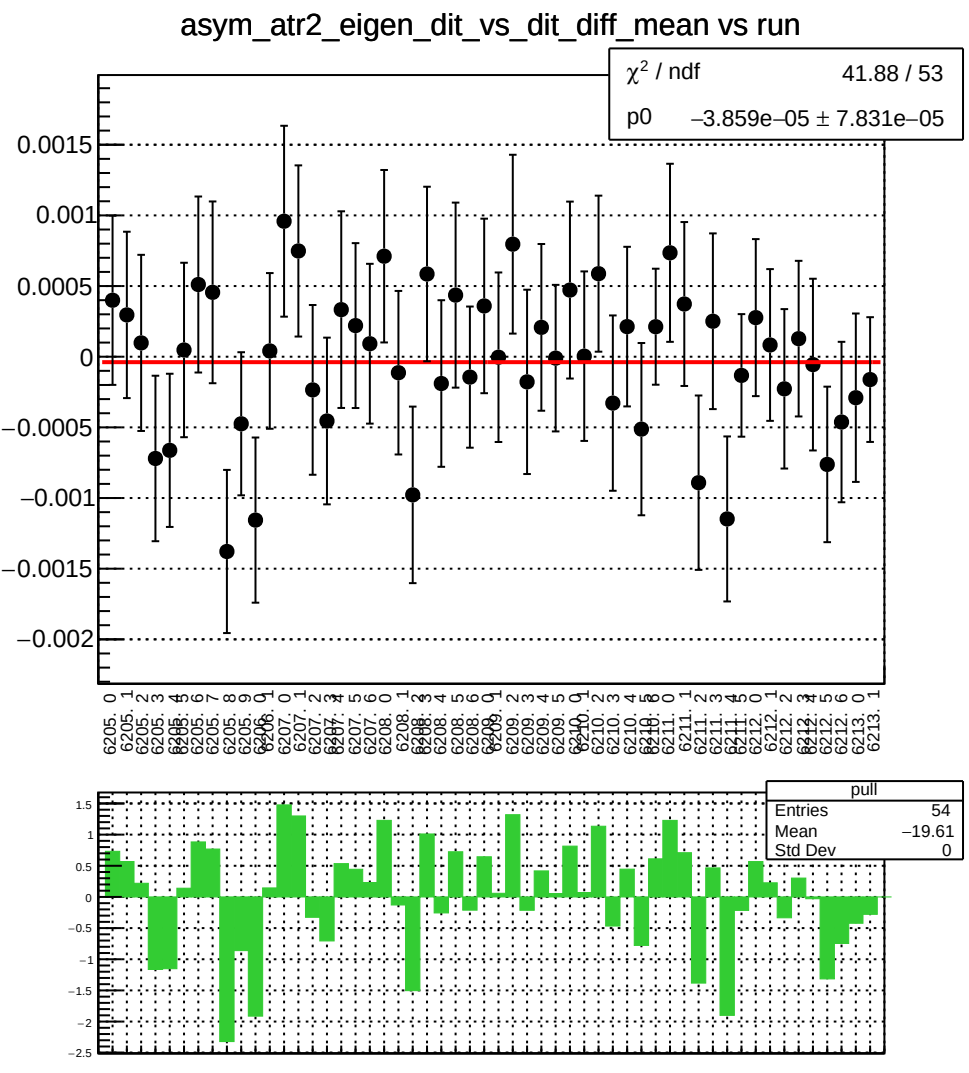

pull1D
Entries 54
Mean 0.04369
Std Dev 1.03

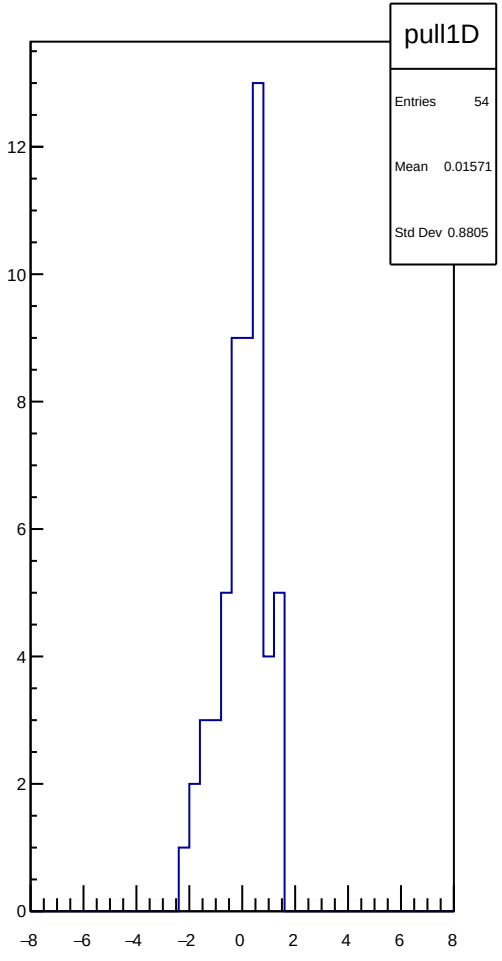

asym_atr2_dit_vs_cor_diff_rms vs run
χ² / ndf 7.648e+04 / 53
p0 516.4 ± 0.5208
1200
1000
800
600
400
200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

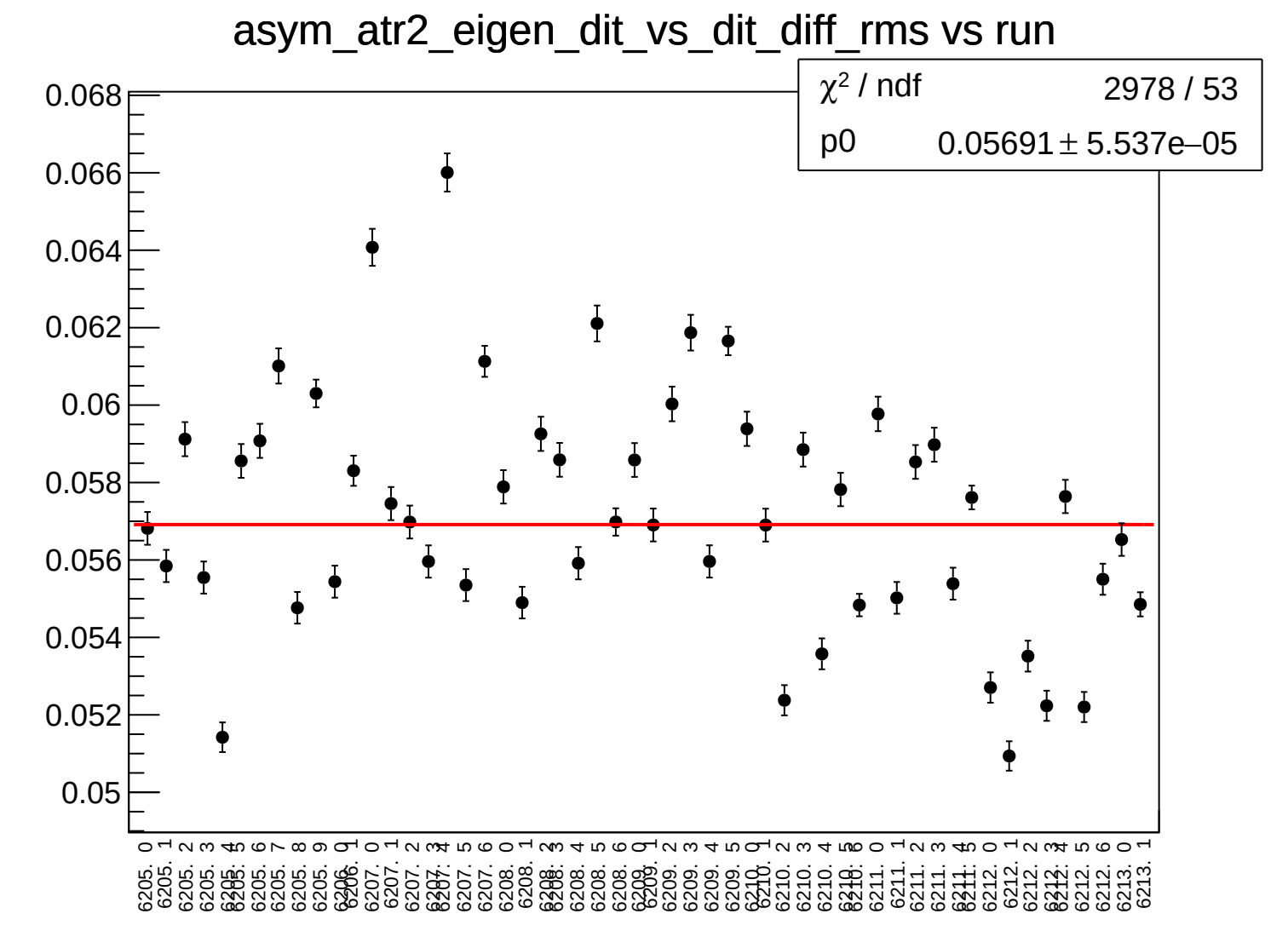

asym_atr2_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 57.37 / 53
p0 −1.108 ± 0.7366
pull
Entries 54
Mean 37.1
Std Dev 7.806

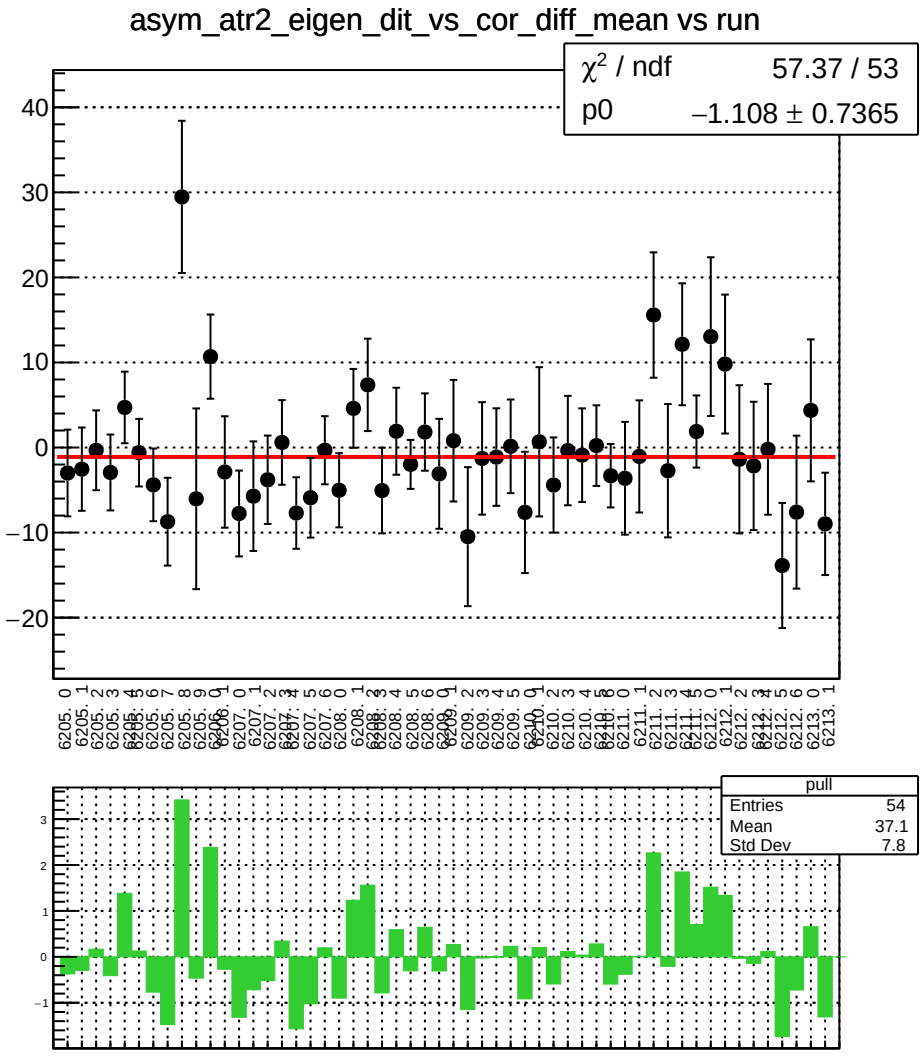

pull1D
Entries 54
Mean 0.04369
Std Dev 1.03

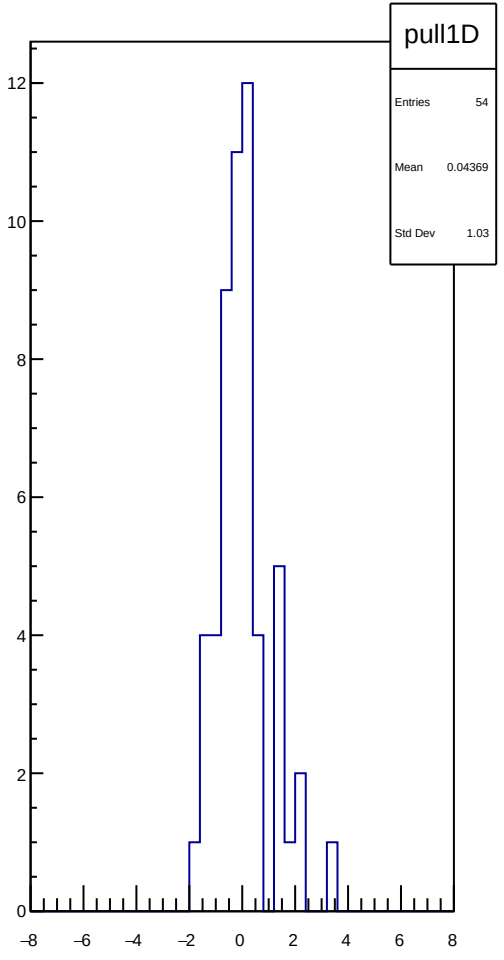

asym_atr2_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.648e+04 / 53
p0 516.4 ± 0.5208
1200
1000
800
600
400
200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

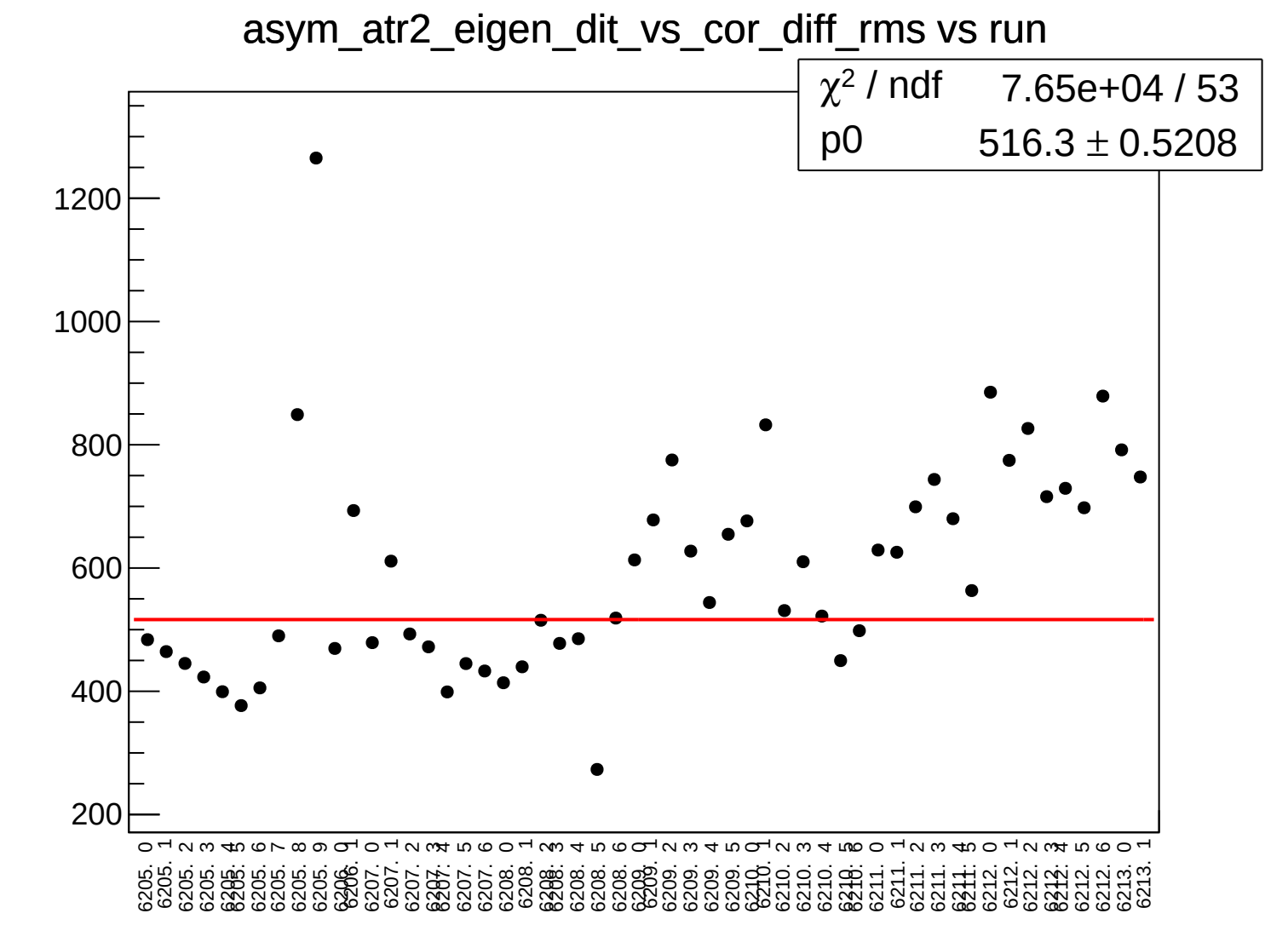

asym_atr2_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 41.88 / 53
p0 −3.859e−05 ± 7.831e−05
pull
Entries 54
Mean −19.61
Std Dev 0

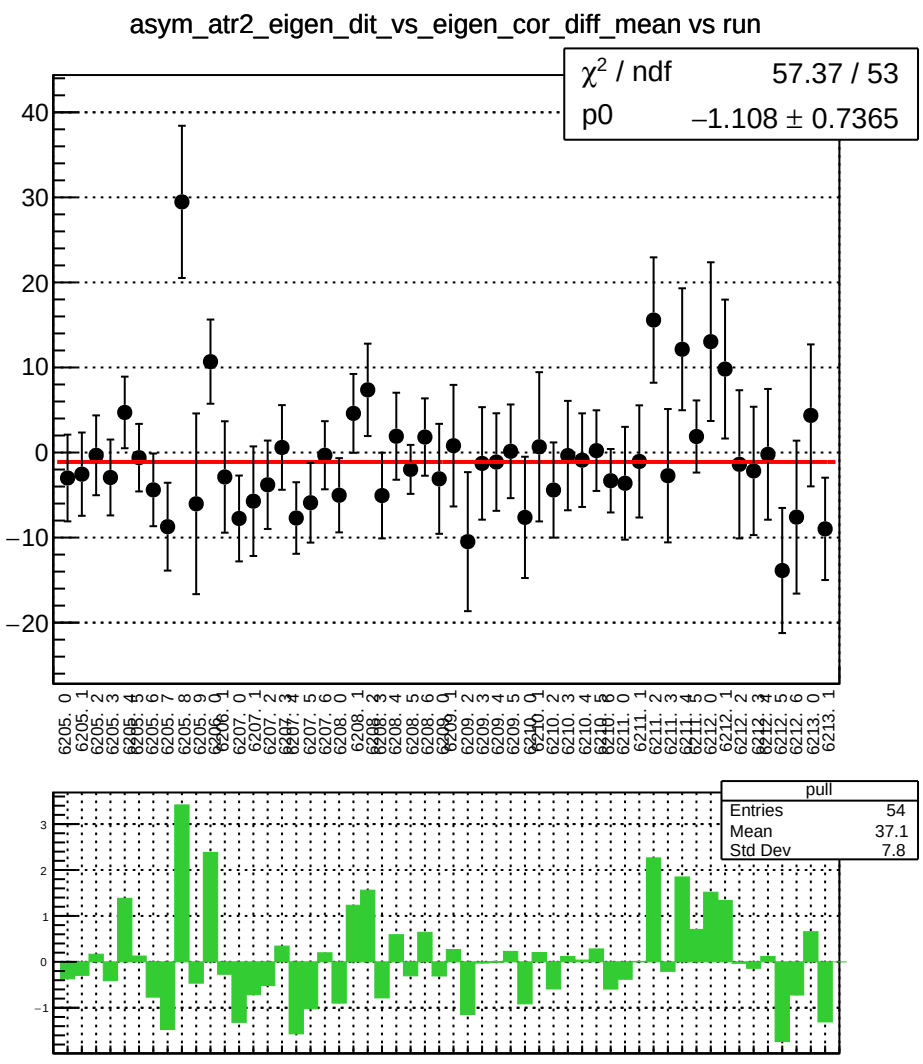

pull1D
Entries 54
Mean 0.01571
Std Dev 0.8805

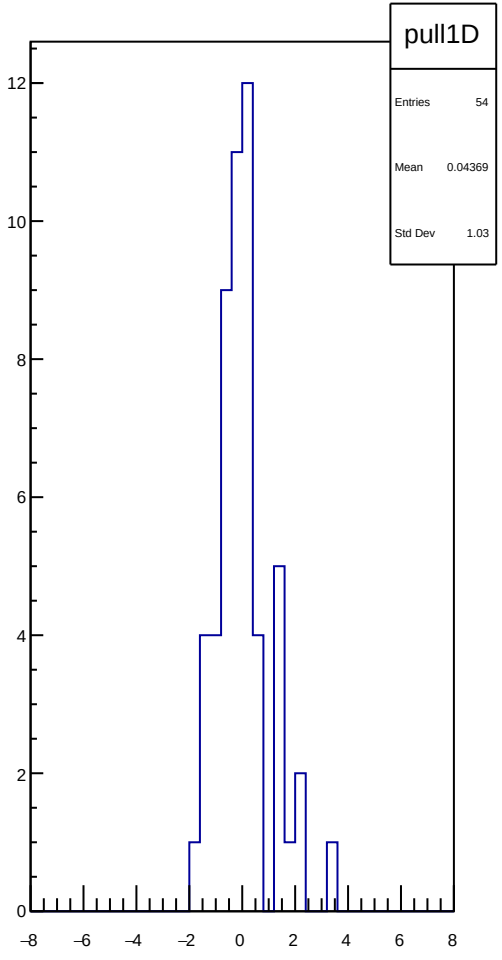

asym_atr2_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2978 / 53
p0 0.05691 ± 5.537e–05
0.068
0.066
0.064
0.062
0.06
0.058
0.056
0.054
0.052
0.05

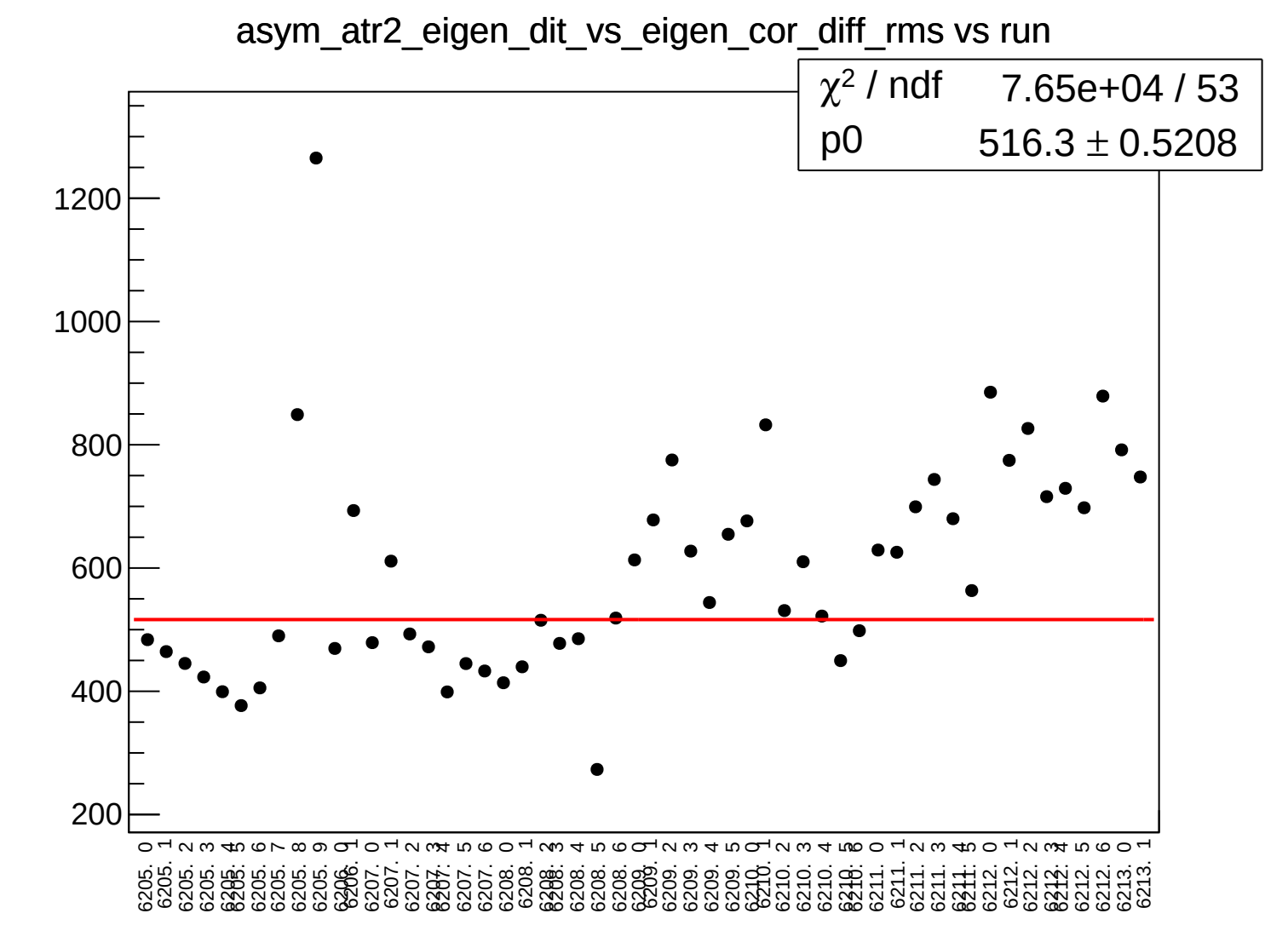

asym_atr2_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 57.37 / 53
p0 −1.108 ± 0.7365
pull
Entries 54
Mean 37.1
Std Dev 7.8

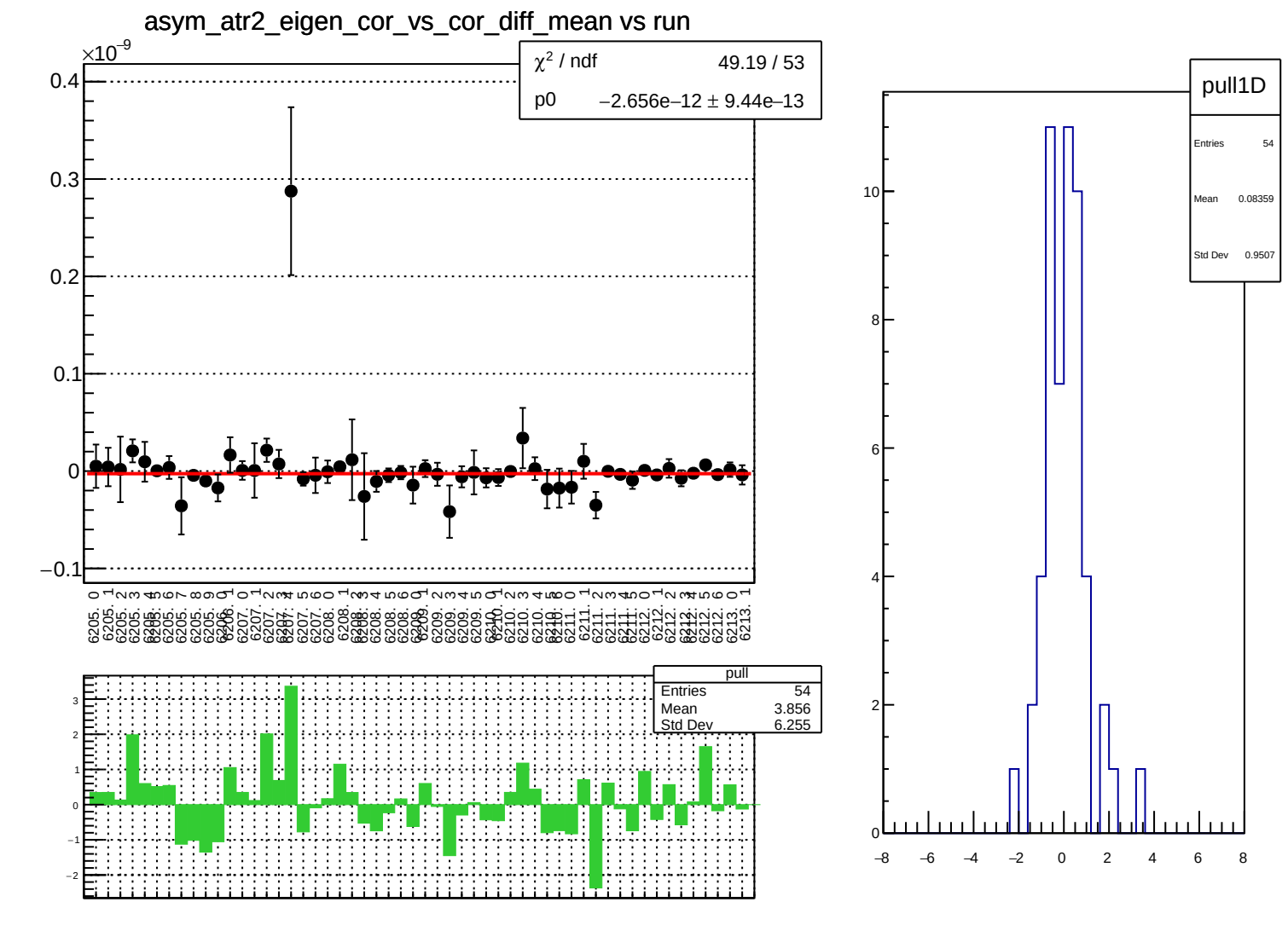

pull1D
Entries 54
Mean 0.04369
Std Dev 1.03

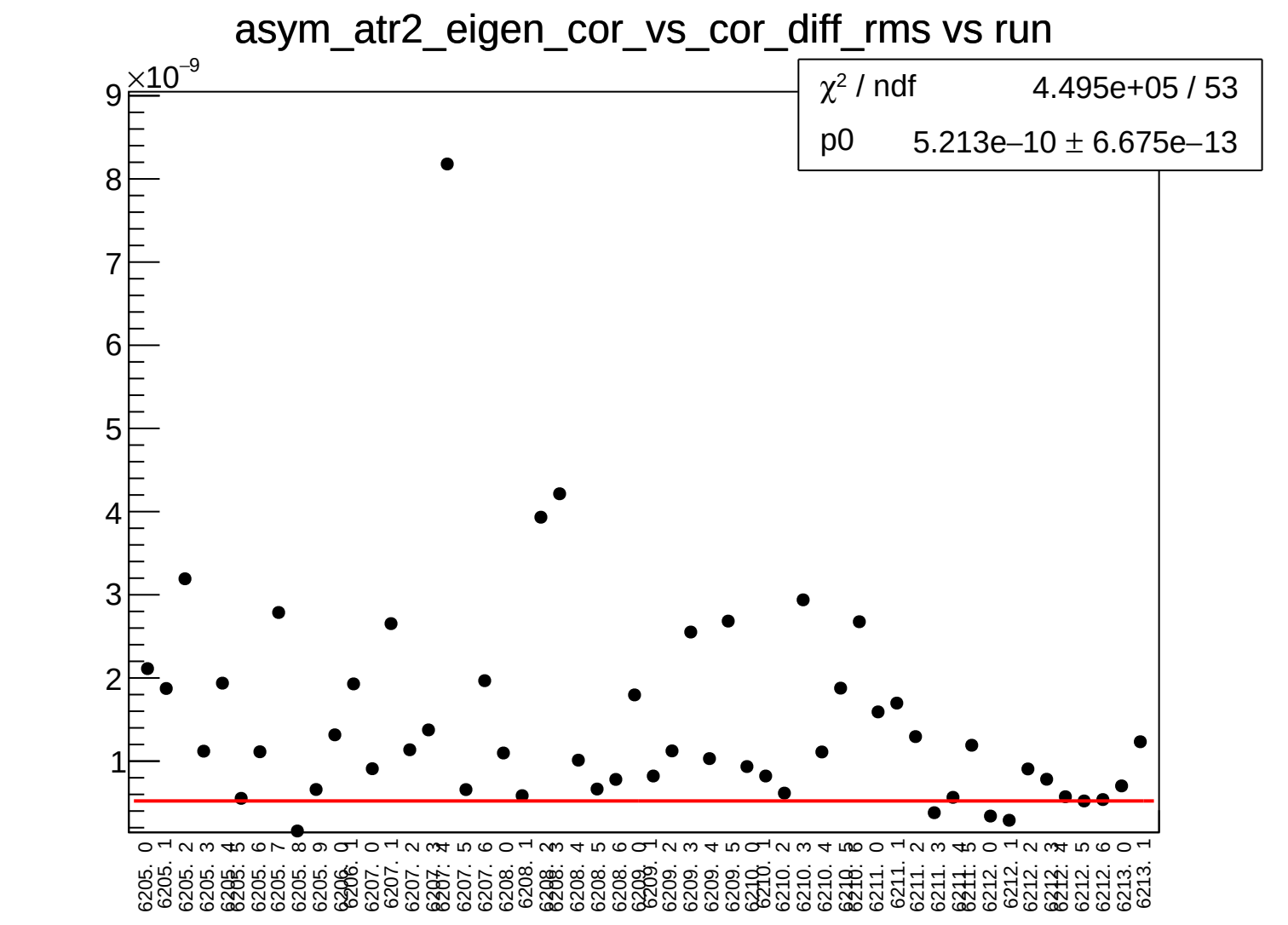

asym_atr2_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 7.65e+04 / 53
p0 516.3 ± 0.5208
1200
1000
800
600
400
200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

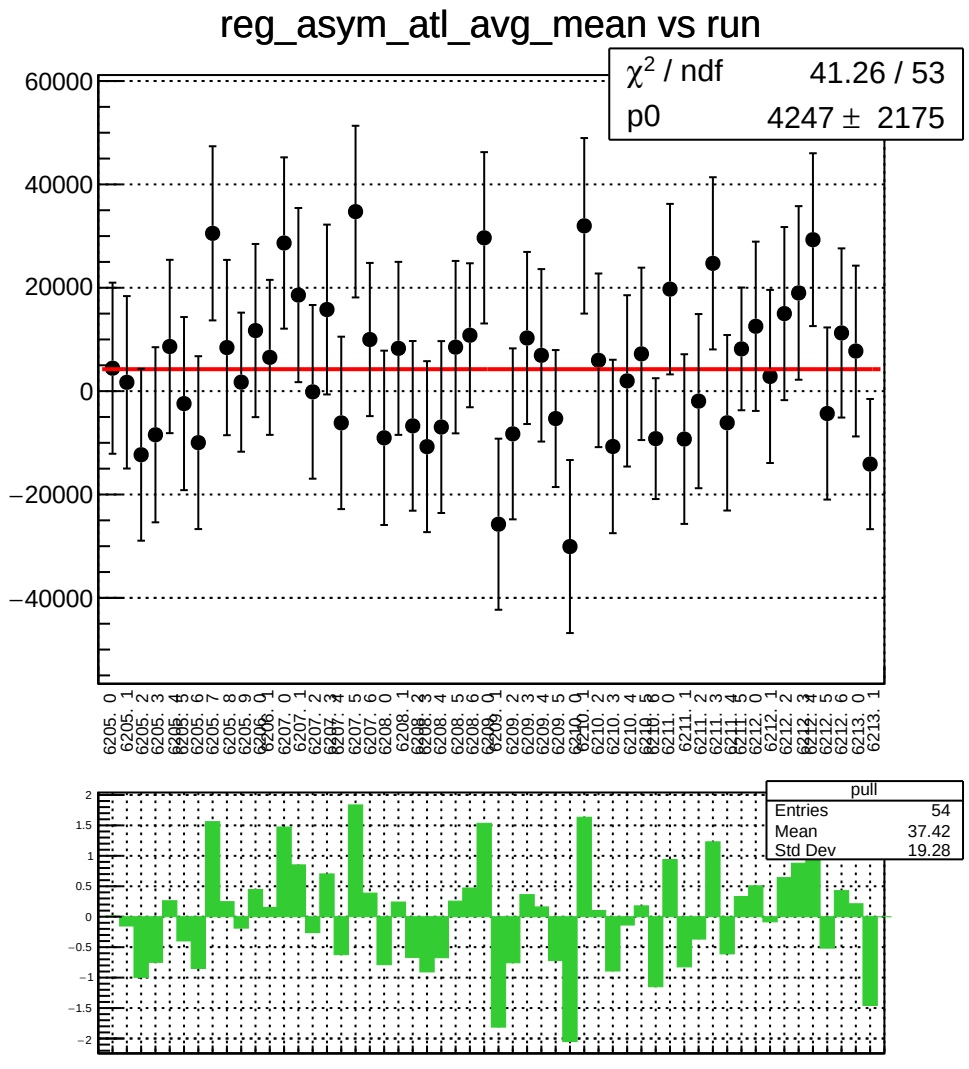

asym_atr2_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 57.37 / 53
p0 −1.108 ± 0.7365
pull
Entries 54
Mean 37.1
Std Dev 7.8

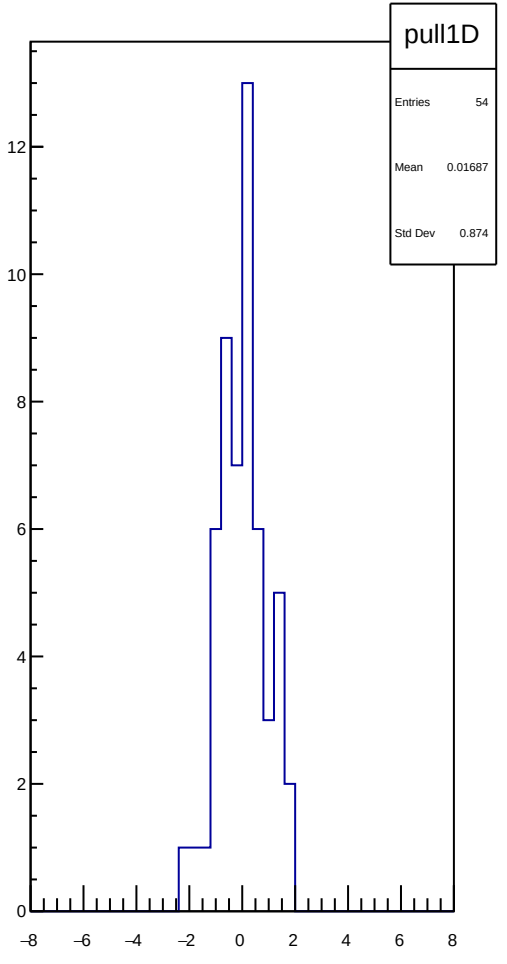

pull1D
Entries 54
Mean 0.04369
Std Dev 1.03

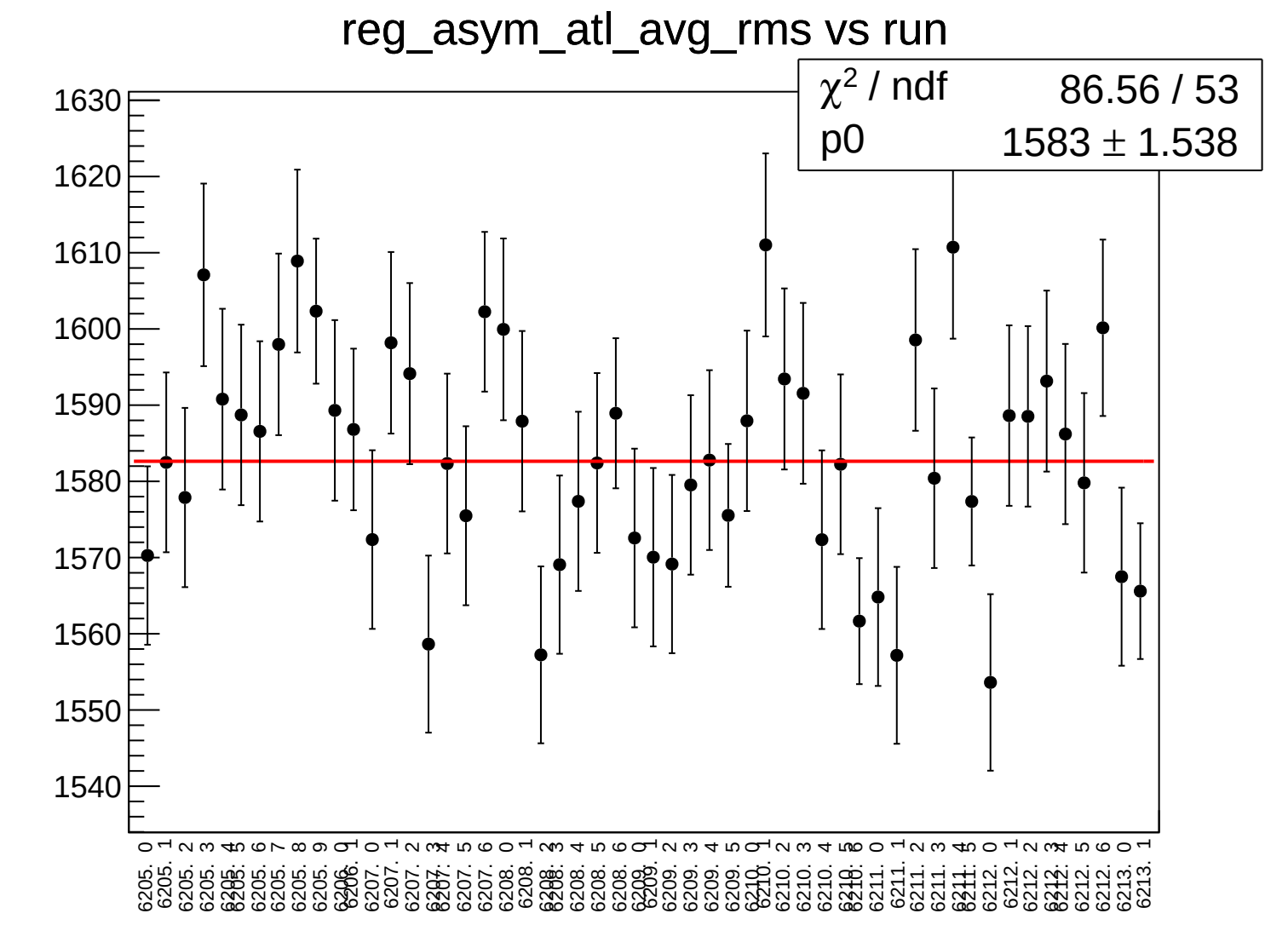

asym_atr2_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.65e+04 / 53
p0 516.3 ± 0.5208
1200
1000
800
600
400
200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

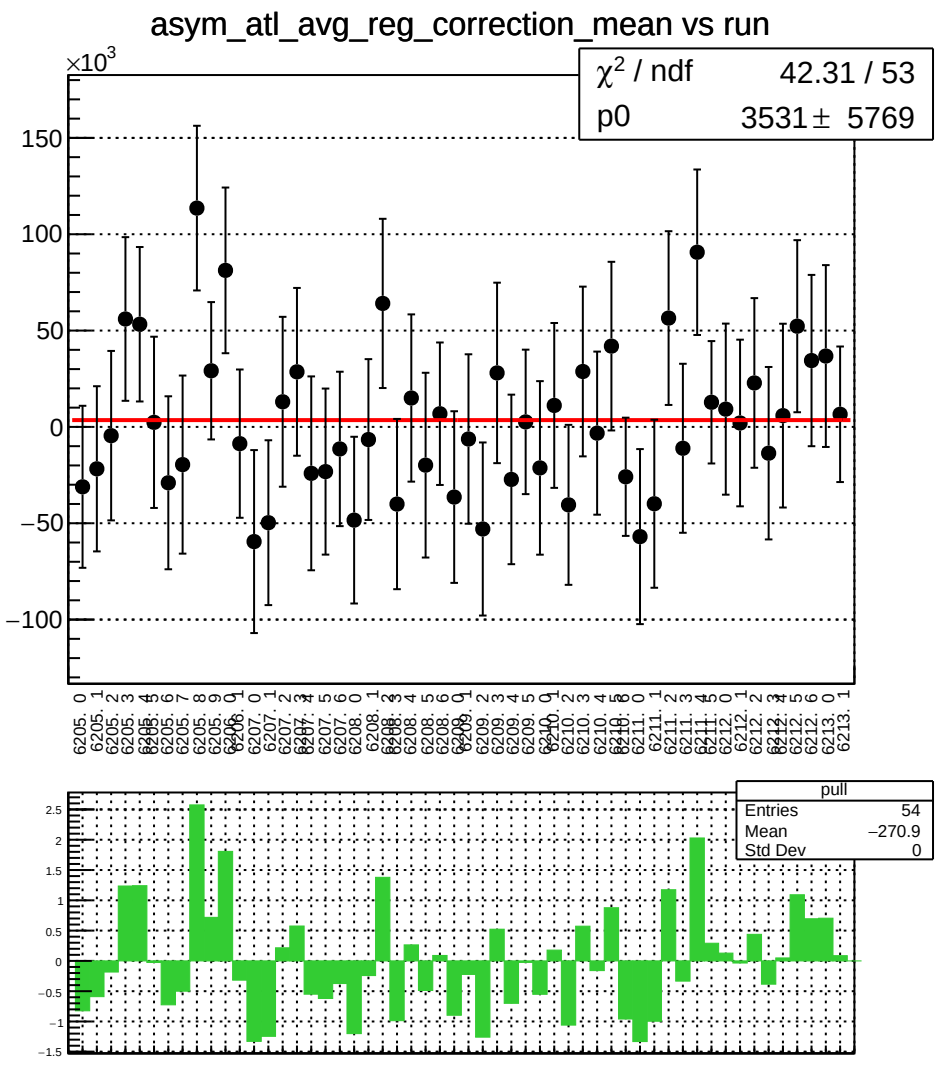

asym_atr2_eigen_cor_vs_cor_diff_mean vs run
×10⁻⁹
χ² / ndf 49.19 / 53
p0 −2.656e−12 ± 9.44e−13
0.4
0.3
0.2
0.1
0
−0.1
pull
Entries 54
Mean 3.856
Std Dev 6.255
pull1D
Entries 54
Mean 0.08359
Std Dev 0.9507
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

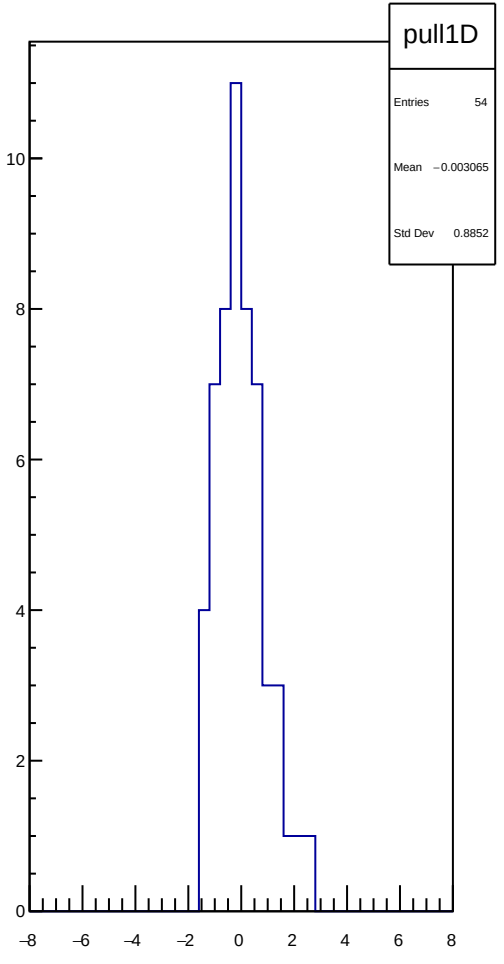

asym_atr2_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.495e+05 / 53
p0 5.213e−10 ± 6.675e−13
9
8
7
6
5
4
3
2
1
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

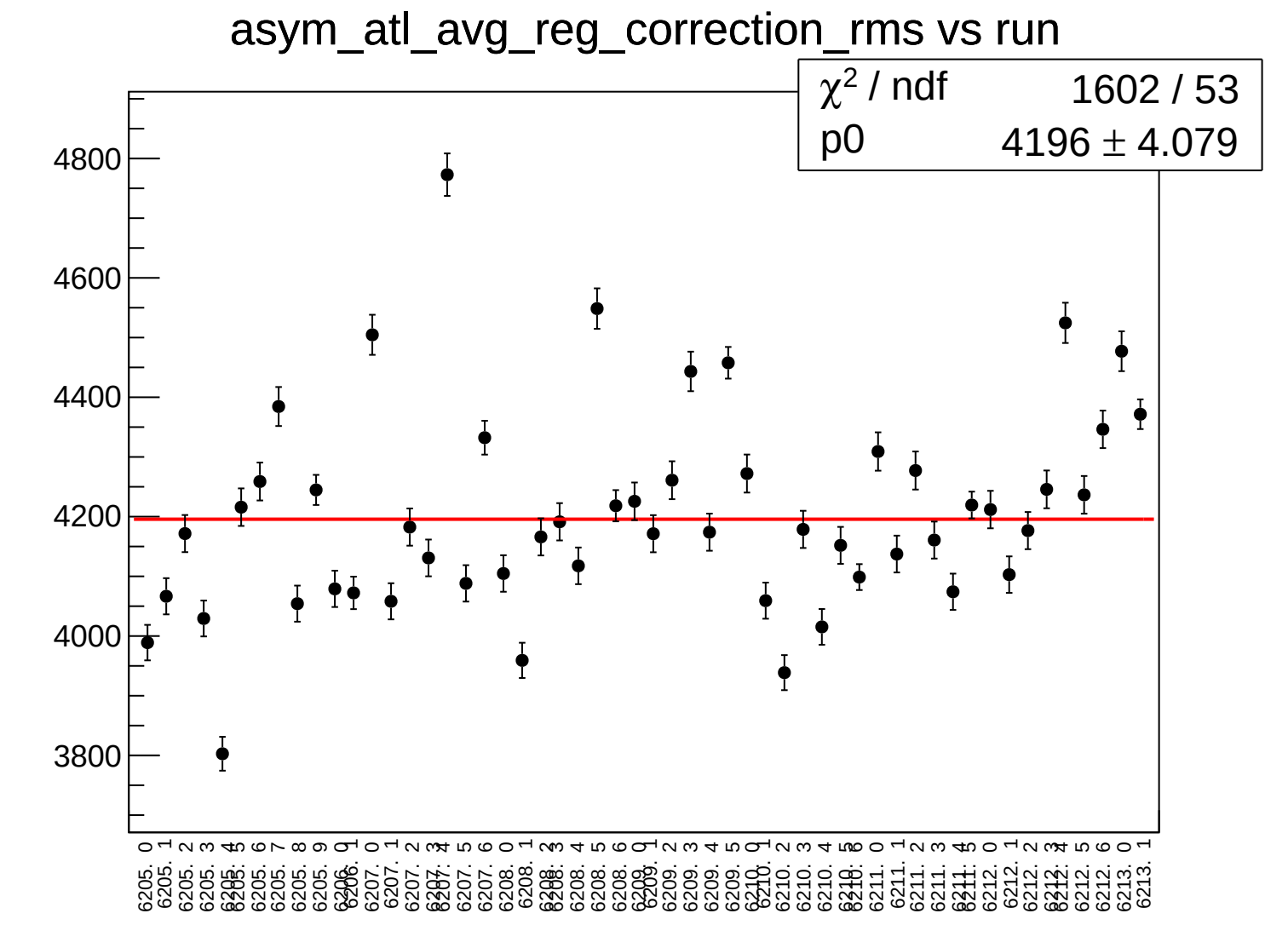

reg_asym_atl_avg_mean vs run
χ² / ndf 41.26 / 53
p0 4247 ± 2175
60000
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 37.42
Std Dev 19.28
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

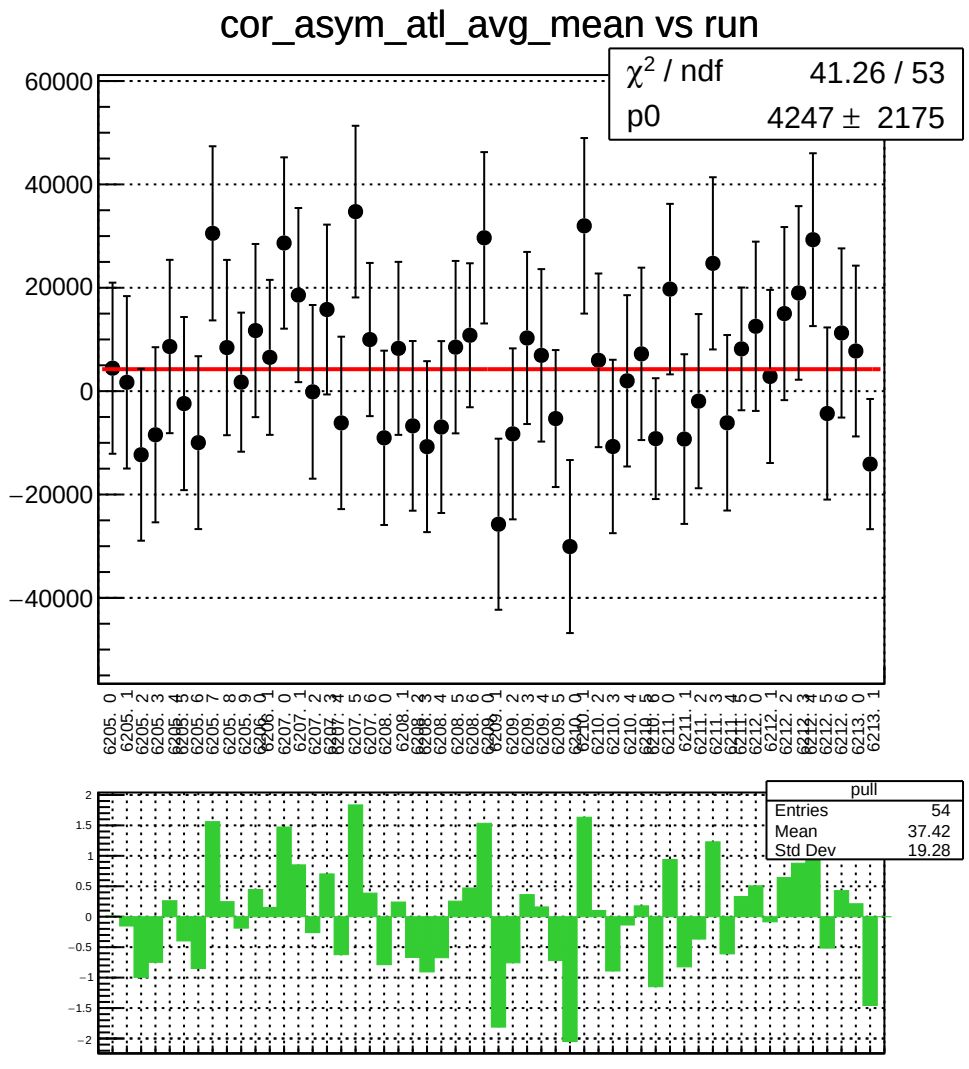

pull1D
Entries 54
Mean 0.01687
Std Dev 0.874
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

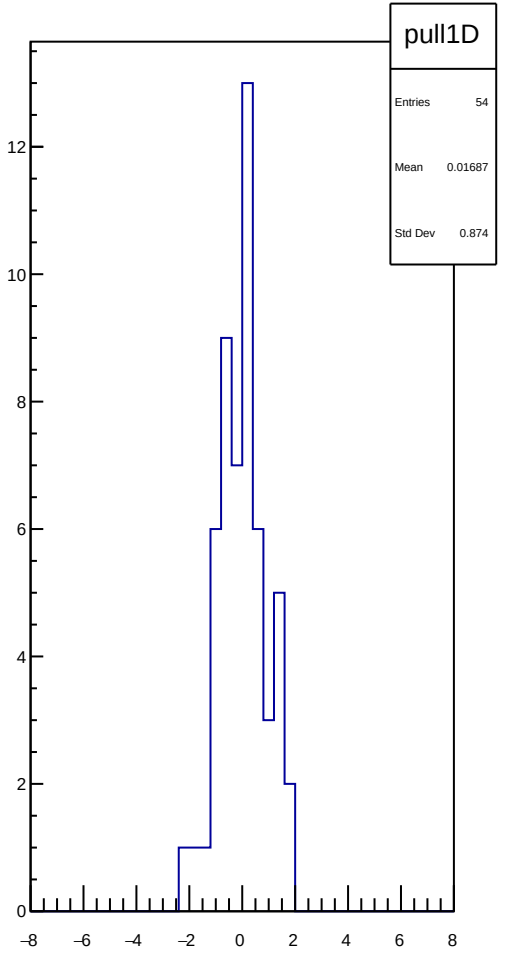

reg_asym_atl_avg_rms vs run
χ² / ndf 86.56 / 53
p0 1583 ± 1.538
1630
1620
1610
1600
1590
1580
1570
1560
1550
1540
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

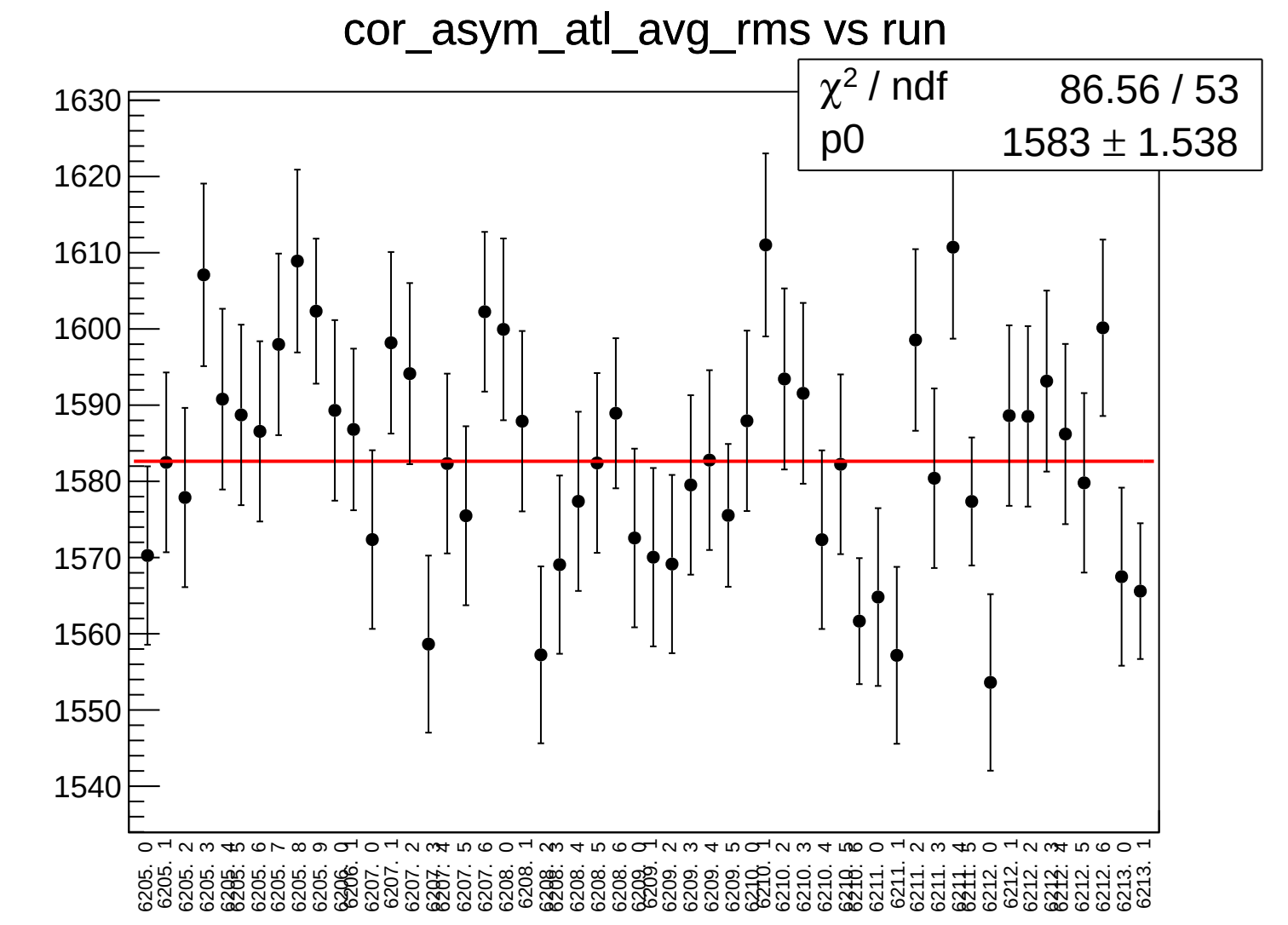

asym_atl_avg_reg_correction_mean vs run
×10^3
χ^2 / ndf 42.31 / 53
p0 3531 ± 5769
150
100
50
0
−50
−100
pull
Entries 54
Mean −270.9
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

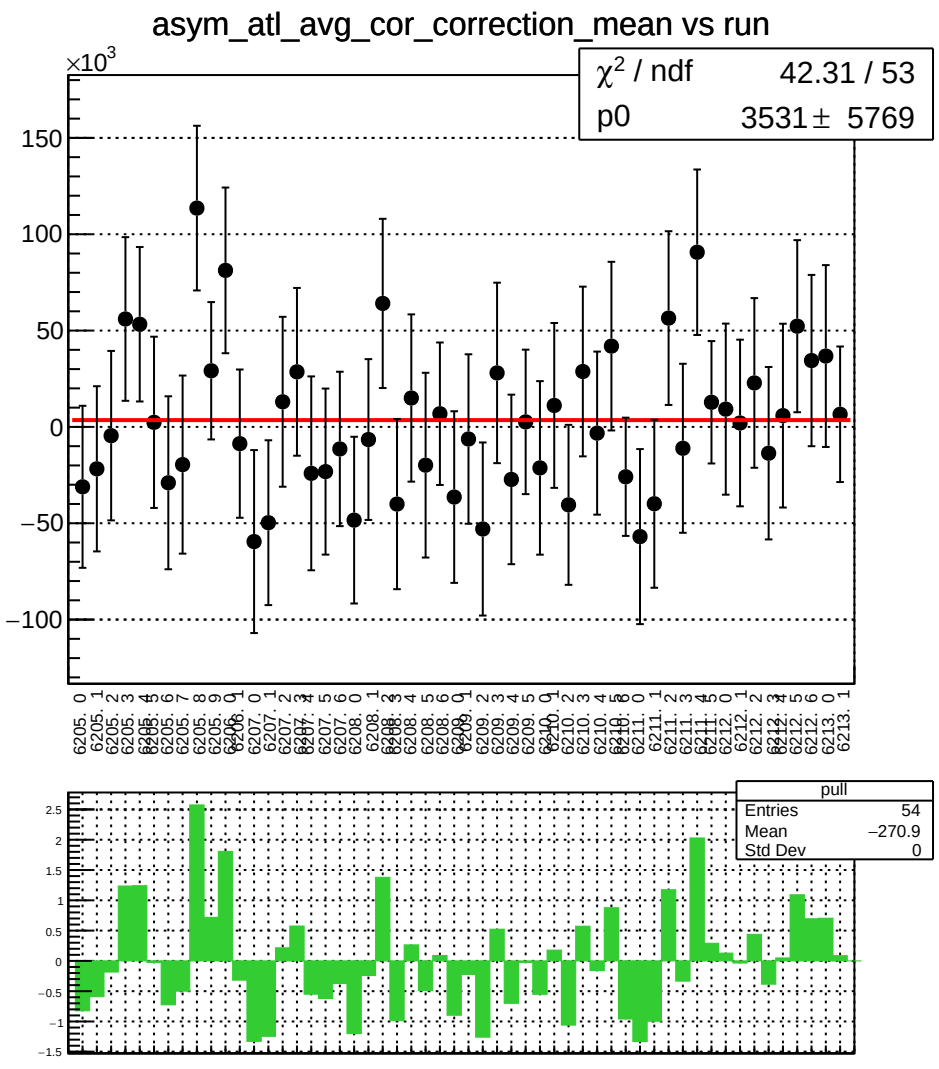

pull1D
Entries 54
Mean −0.003065
Std Dev 0.8852
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

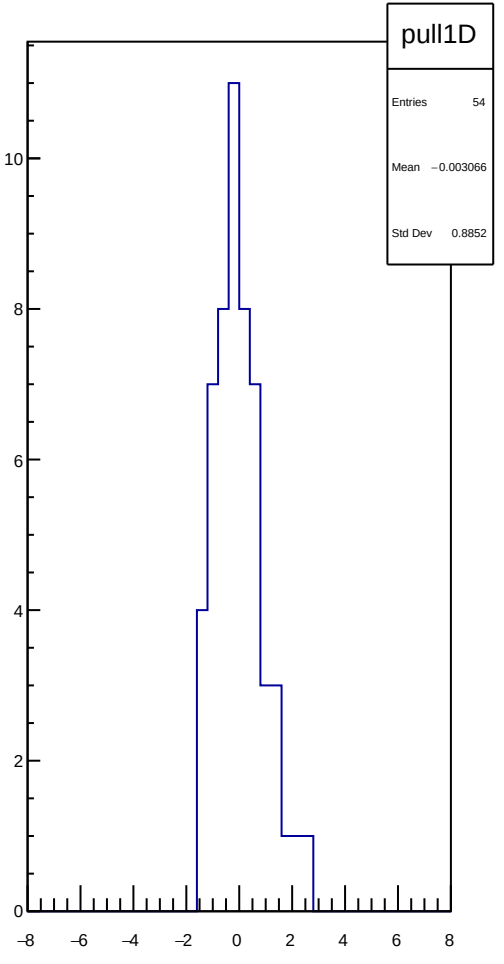

asym_atl_avg_reg_correction_rms vs run
χ² / ndf 1602 / 53
p0 4196 ± 4.079
4800
4600
4400
4200
4000
3800
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

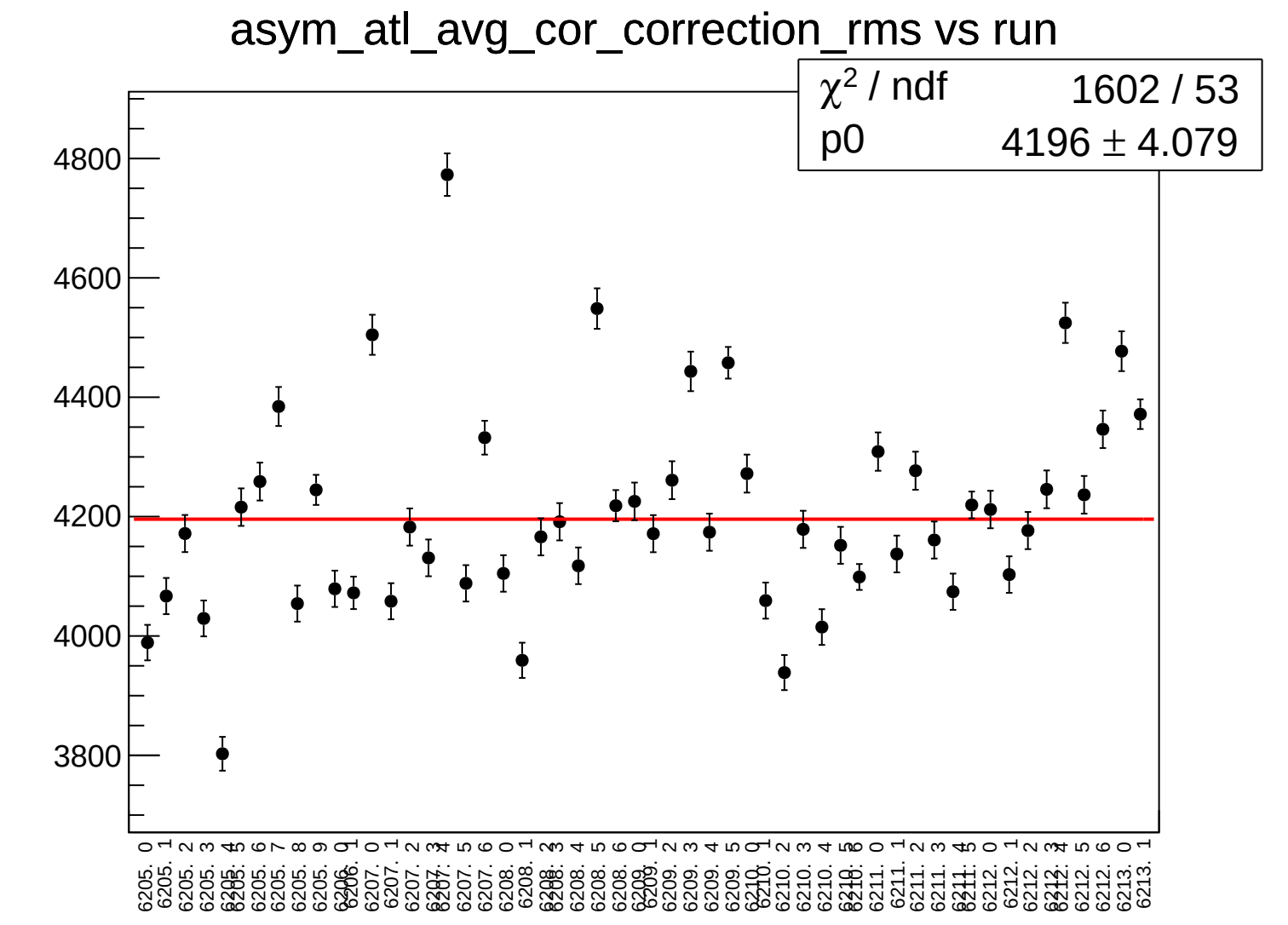

cor_asym_atl_avg_mean vs run
χ² / ndf 41.26 / 53
p0 4247 ± 2175
60000
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 37.42
Std Dev 19.28
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

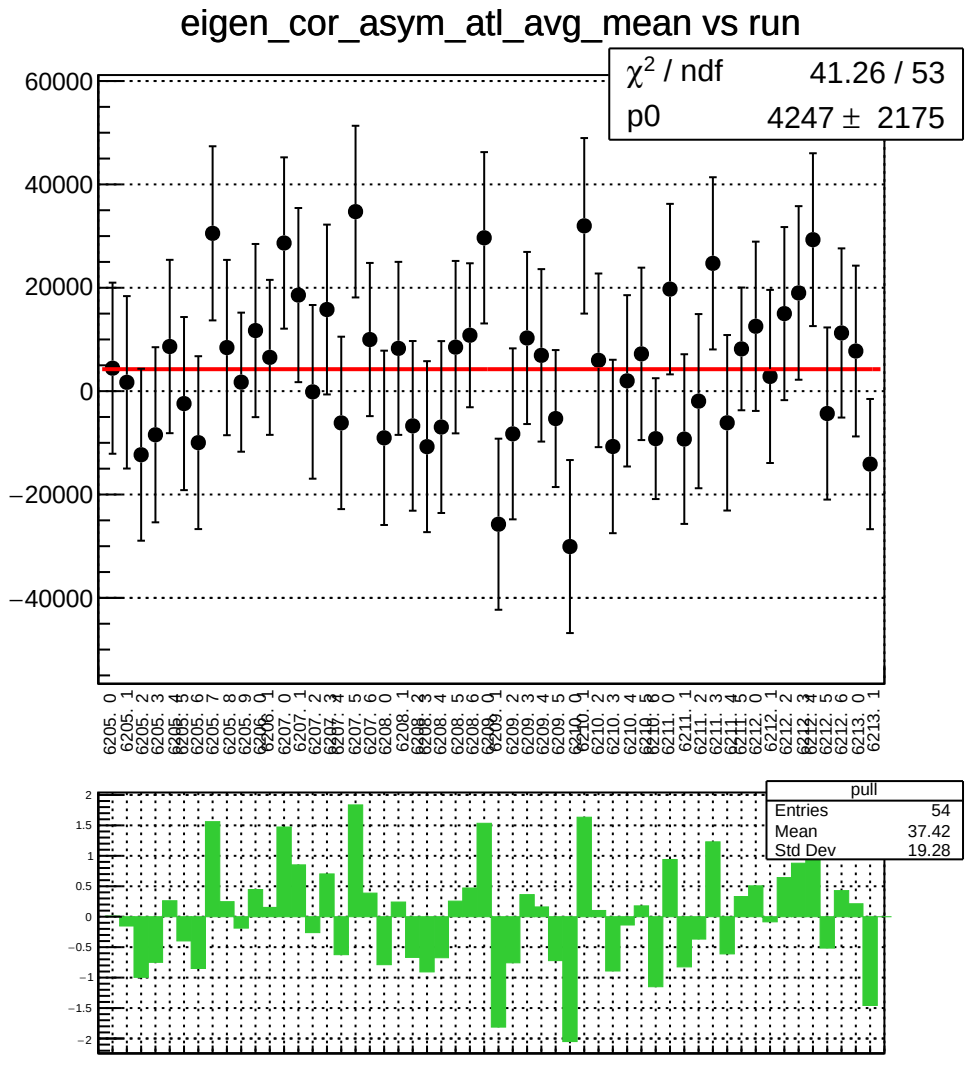

pull1D
Entries 54
Mean 0.01687
Std Dev 0.874
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

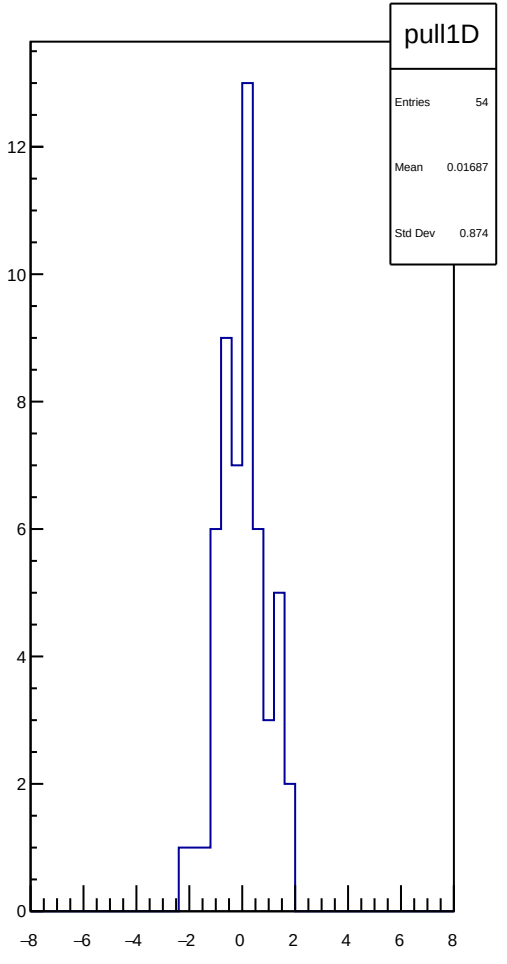

cor_asym_atl_avg_rms vs run
χ² / ndf 86.56 / 53
p0 1583 ± 1.538
1630
1620
1610
1600
1590
1580
1570
1560
1550
1540
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

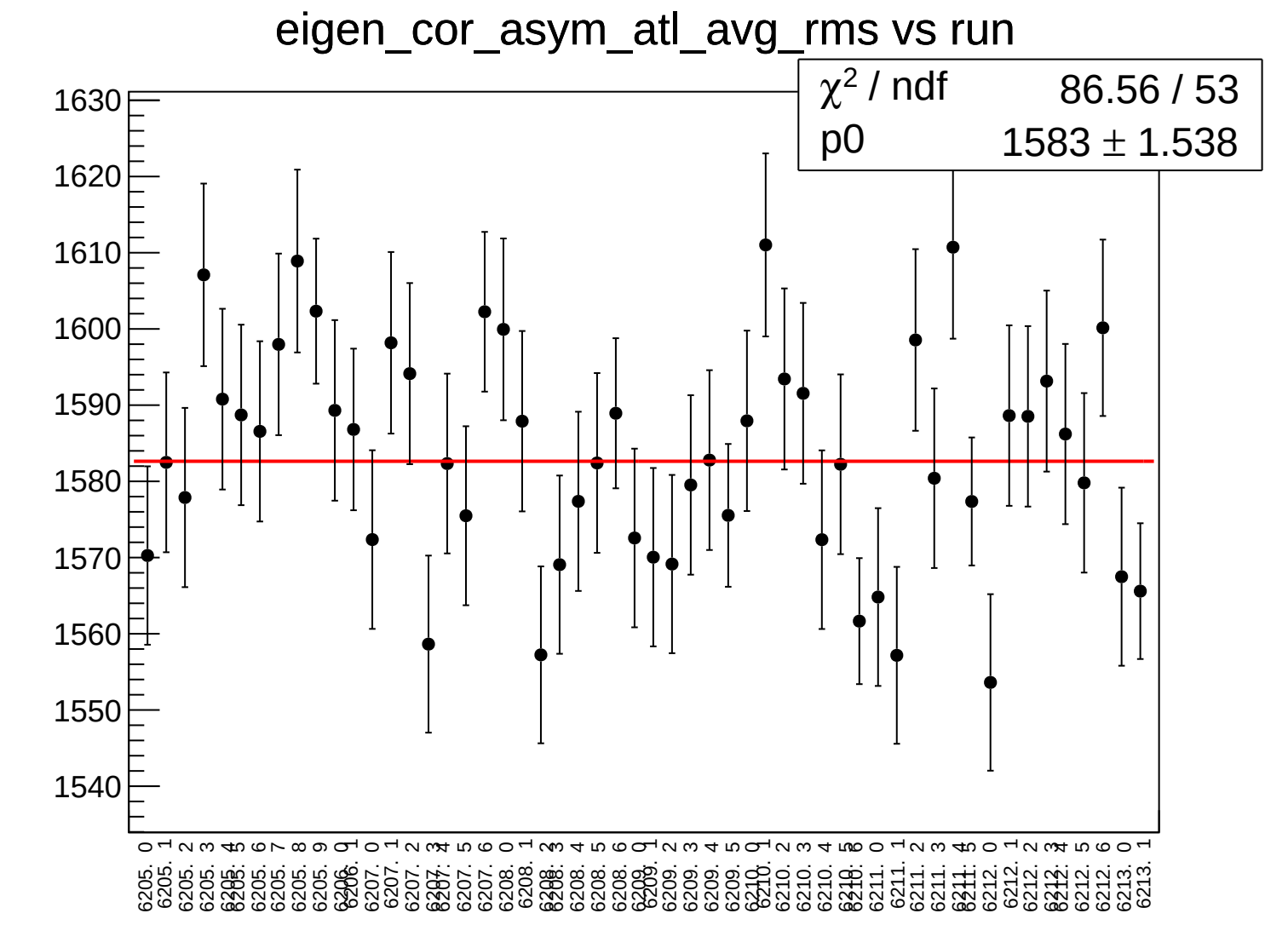

asym_atl_avg_cor_correction_mean vs run
×10^3
χ² / ndf 42.31 / 53
p0 3531 ± 5769
150
100
50
0
−50
−100
pull
Entries 54
Mean −270.9
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

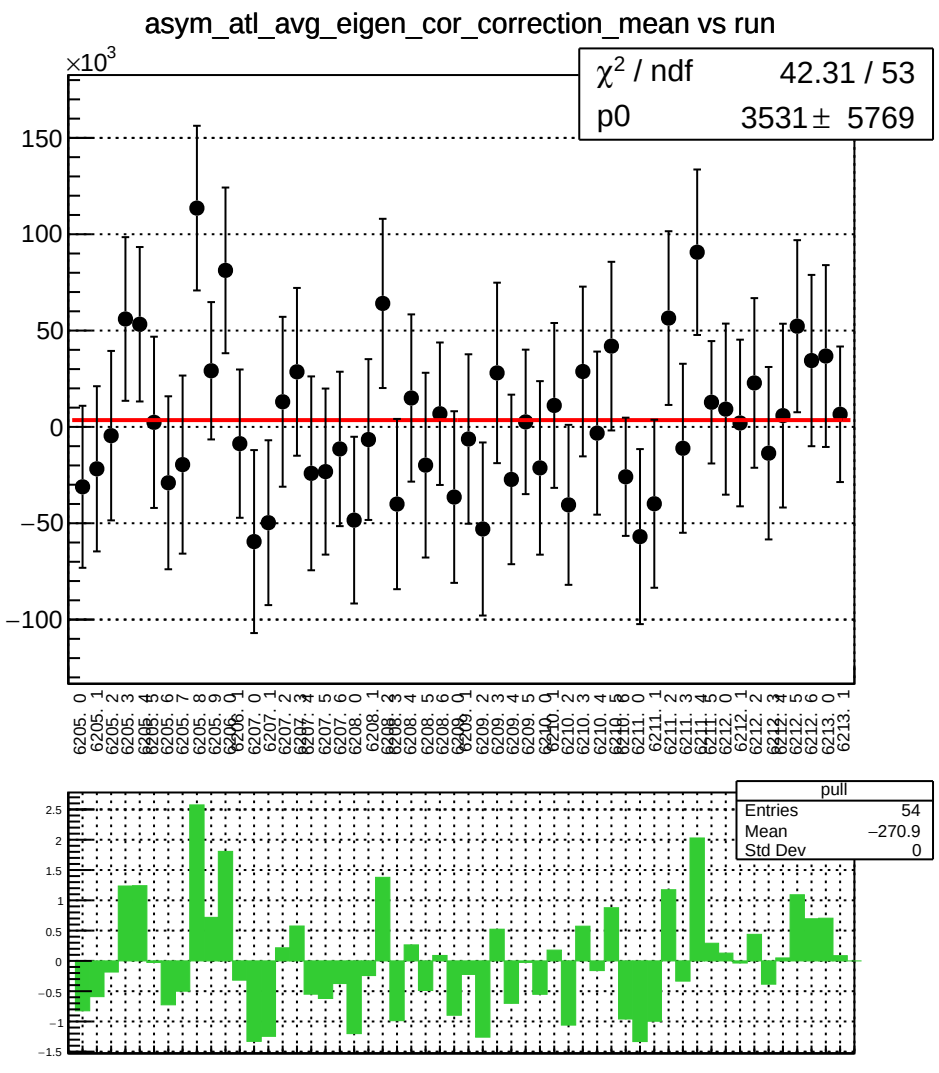

pull1D
Entries 54
Mean −0.003066
Std Dev 0.8852
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

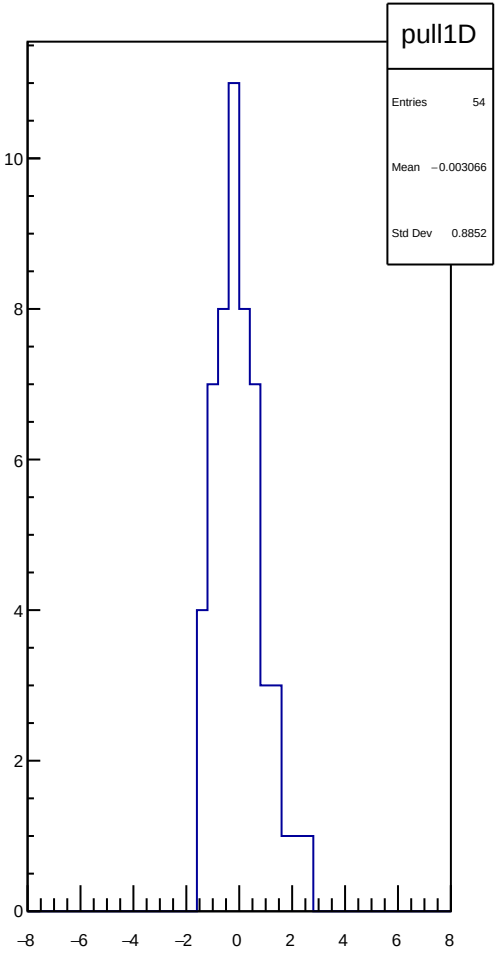

asym_atl_avg_cor_correction_rms vs run
χ² / ndf 1602 / 53
p0 4196 ± 4.079
4800
4600
4400
4200
4000
3800
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

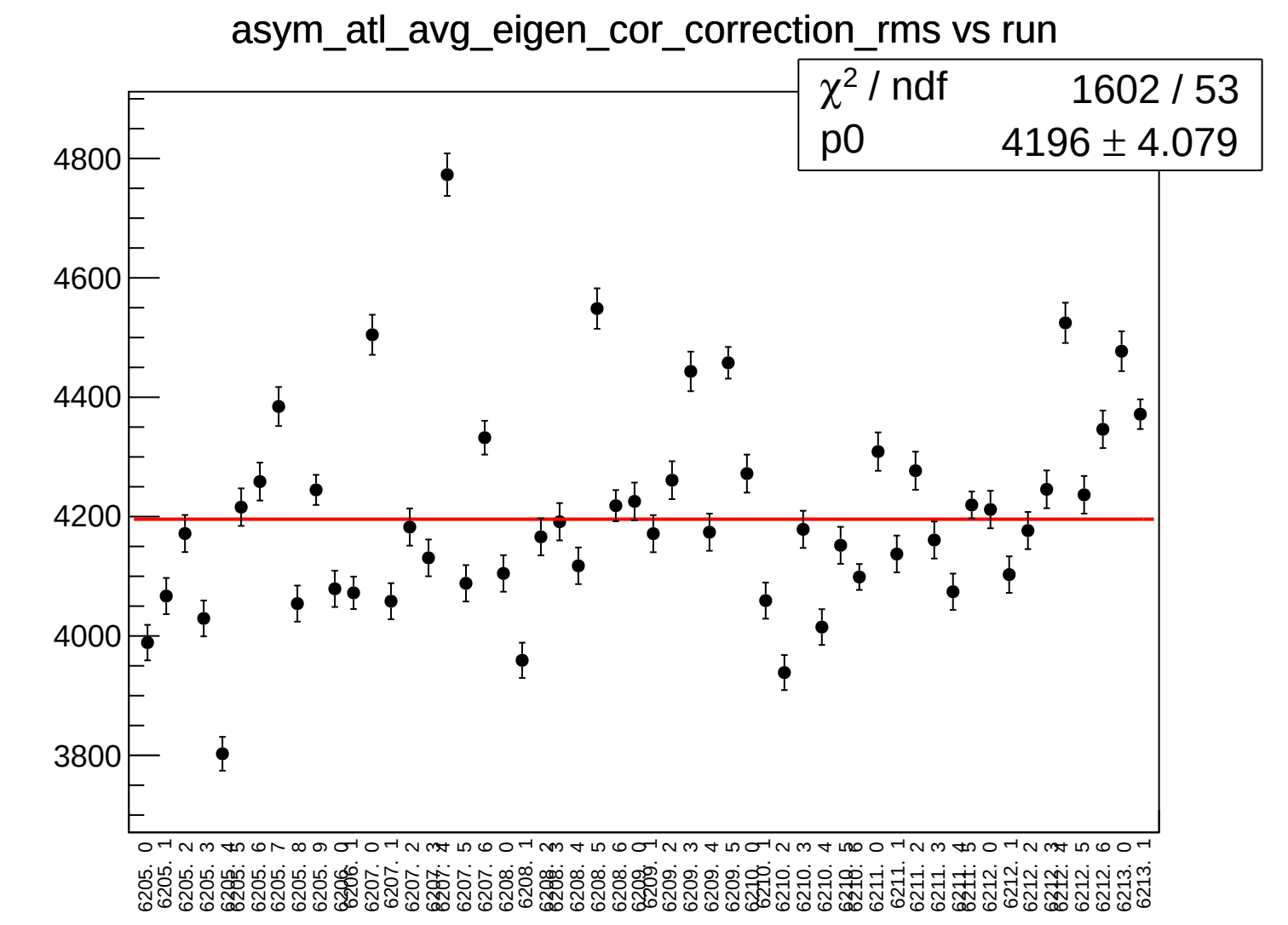

eigen_cor_asym_atl_avg_mean vs run
χ² / ndf 41.26 / 53
p0 4247 ± 2175
60000
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 37.42
Std Dev 19.28
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

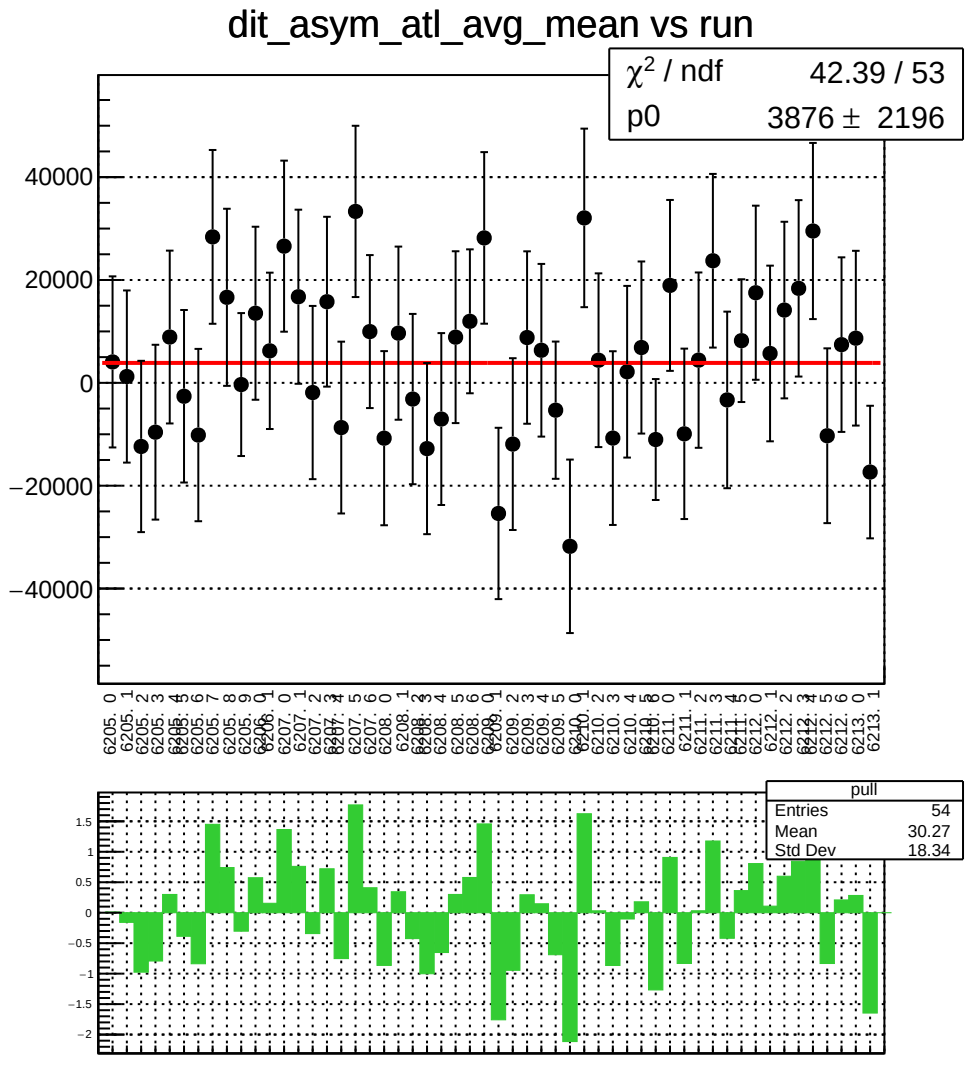

pull1D
Entries 54
Mean 0.01687
Std Dev 0.874
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

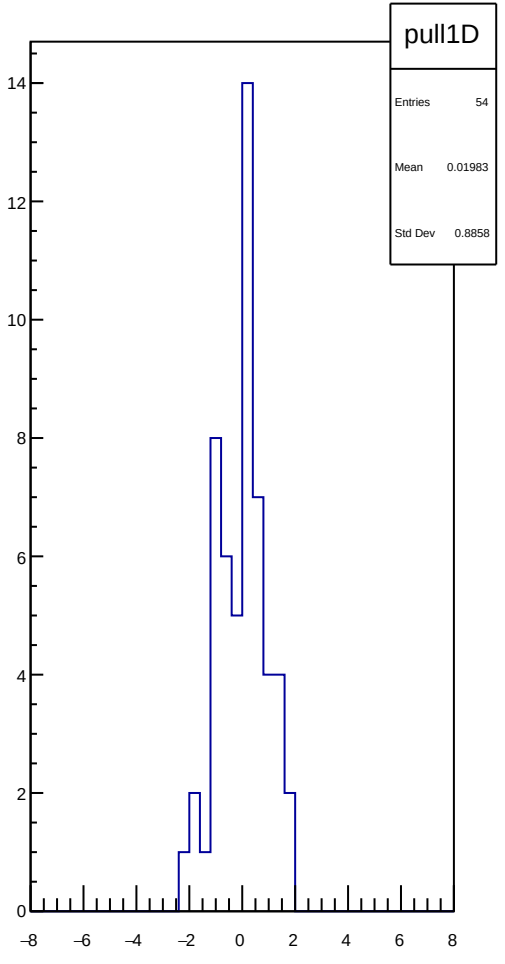

eigen_cor_asym_atl_avg_rms vs run
χ² / ndf 86.56 / 53
p0 1583 ± 1.538
1630
1620
1610
1600
1590
1580
1570
1560
1550
1540
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 1
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

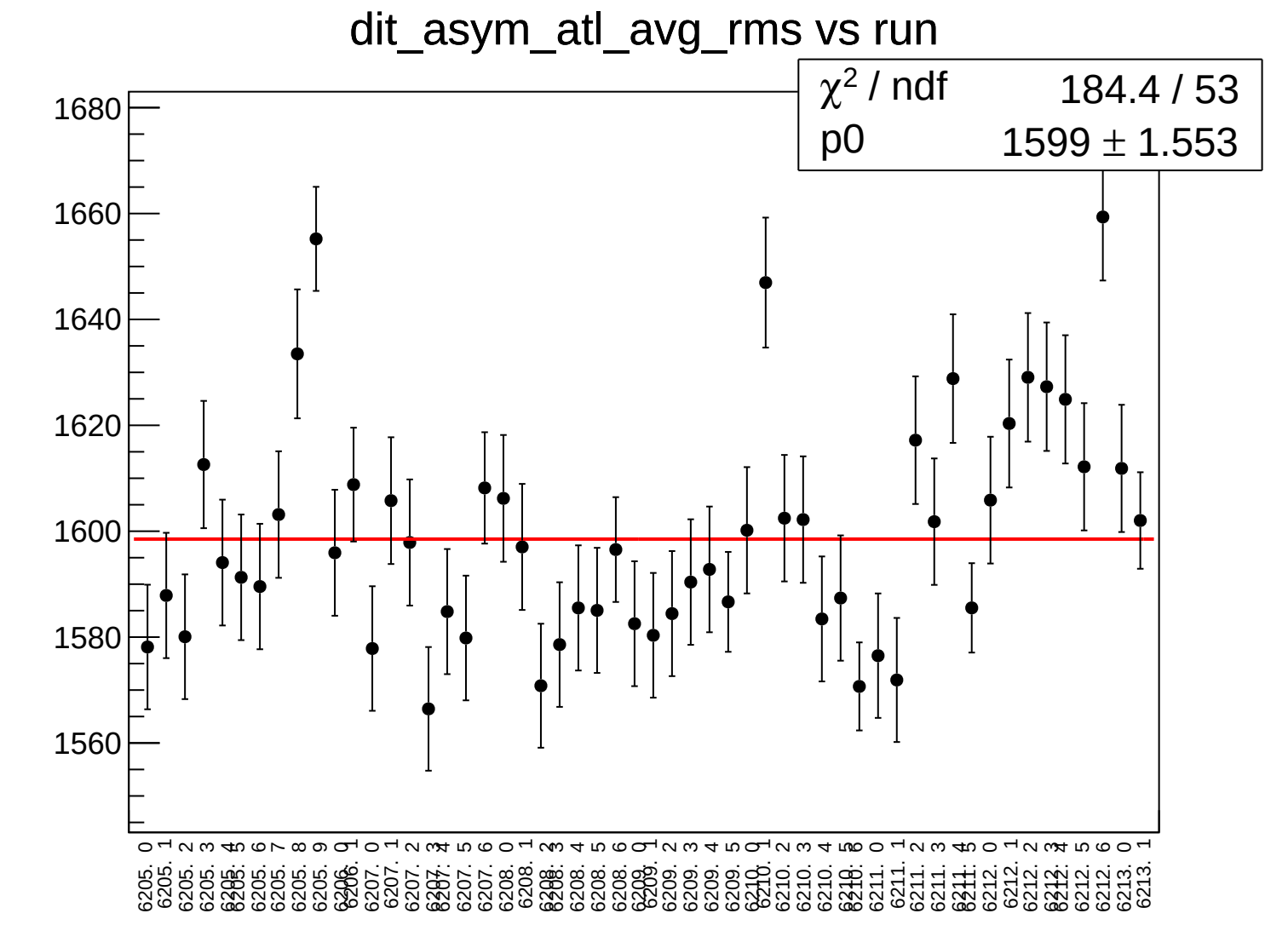

asym_atl_avg_eigen_cor_correction_mean vs run
×10^3
χ^2 / ndf 42.31 / 53
p0 3531 ± 5769
150
100
50
0
−50
−100
pull
Entries 54
Mean −270.9
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

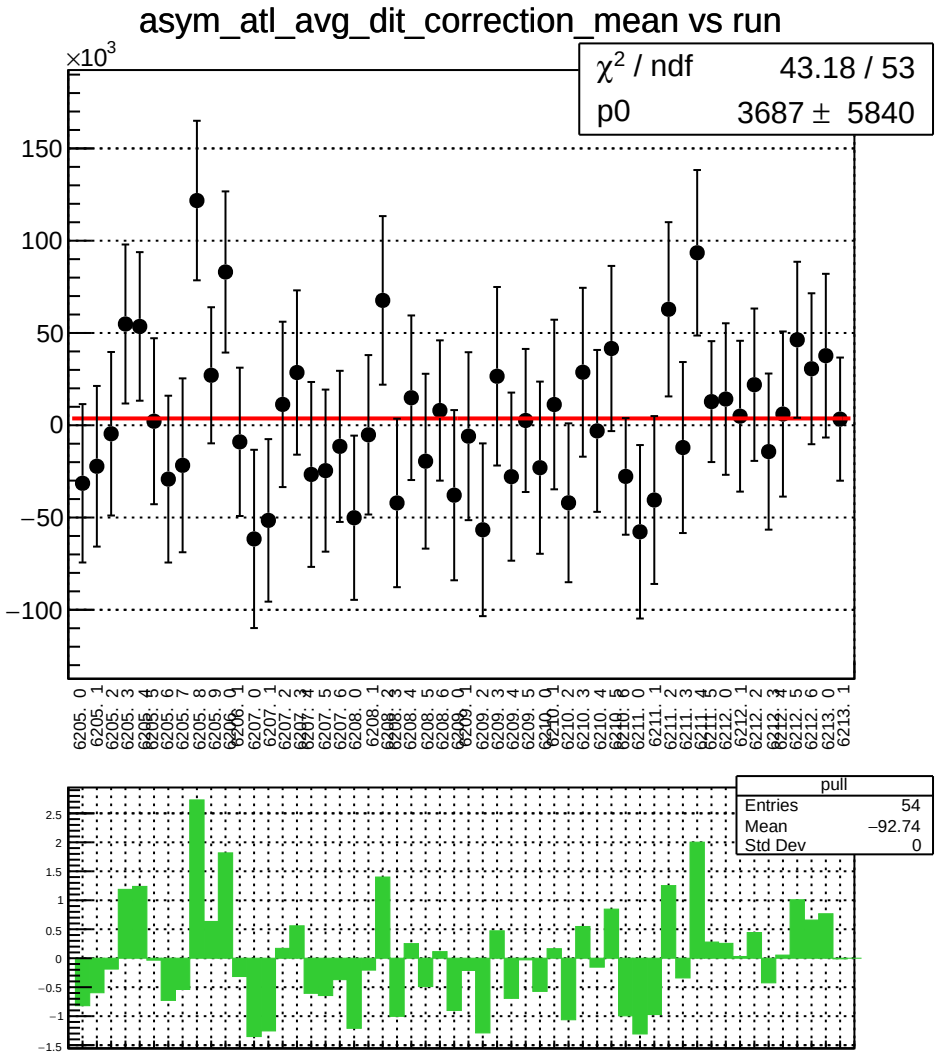

pull1D
Entries 54
Mean −0.003066
Std Dev 0.8852
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

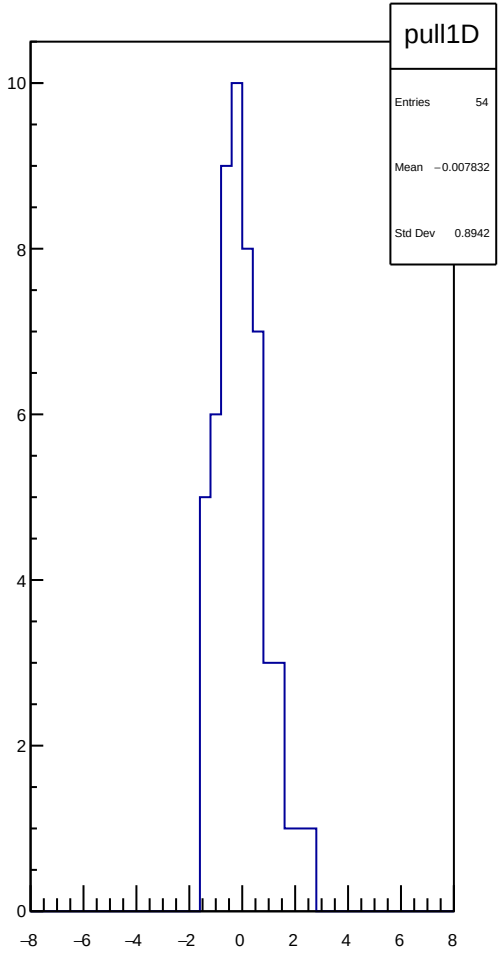

asym_atl_avg_eigen_cor_correction_rms vs run
χ² / ndf 1602 / 53
p0 4196 ± 4.079
4800
4600
4400
4200
4000
3800
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

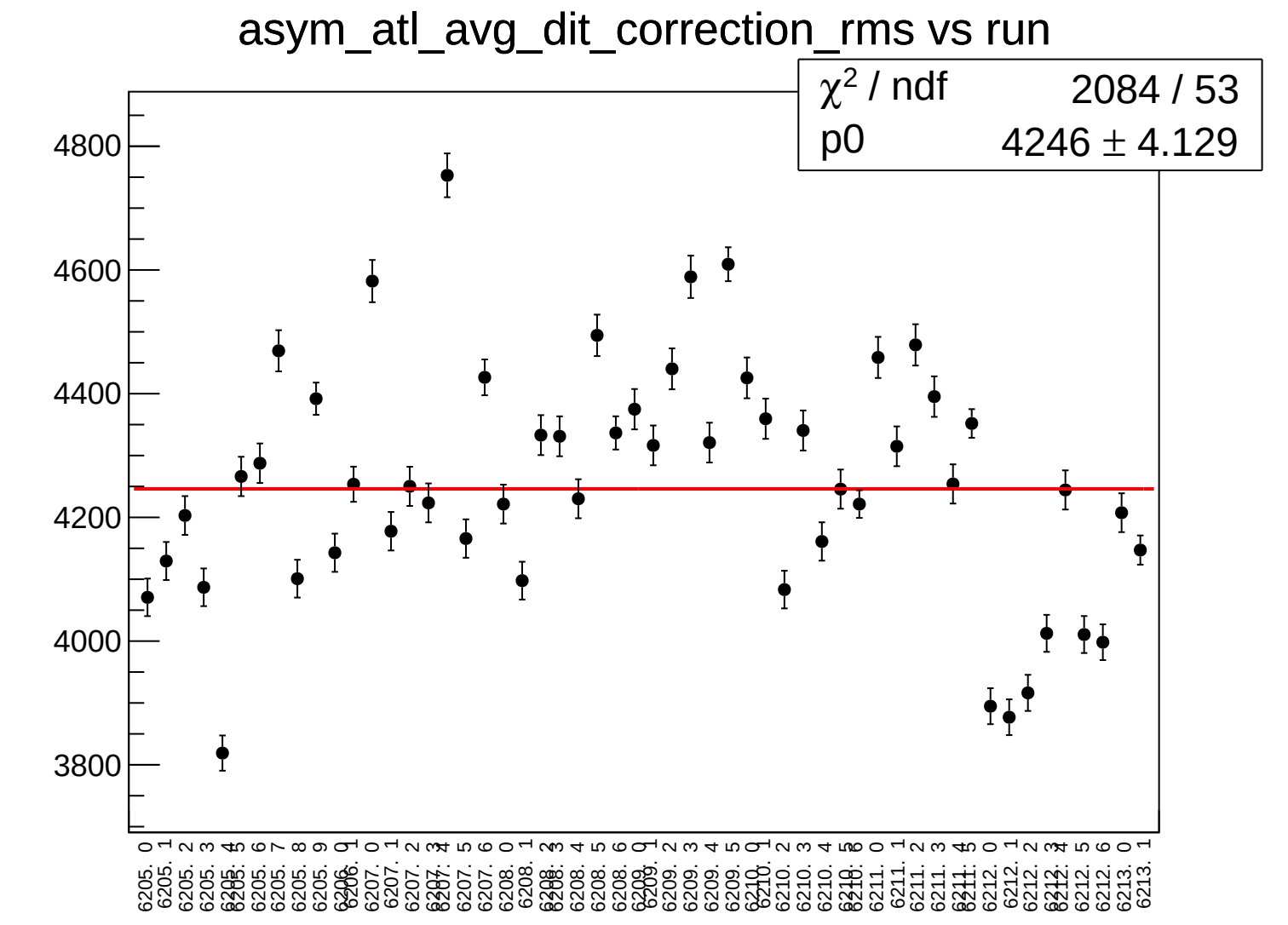

dit_asym_atl_avg_mean vs run
χ² / ndf 42.39 / 53
p0 3876 ± 2196
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 30.27
Std Dev 18.34
1.5
1
0.5
0
−0.5
−1
−1.5
−2

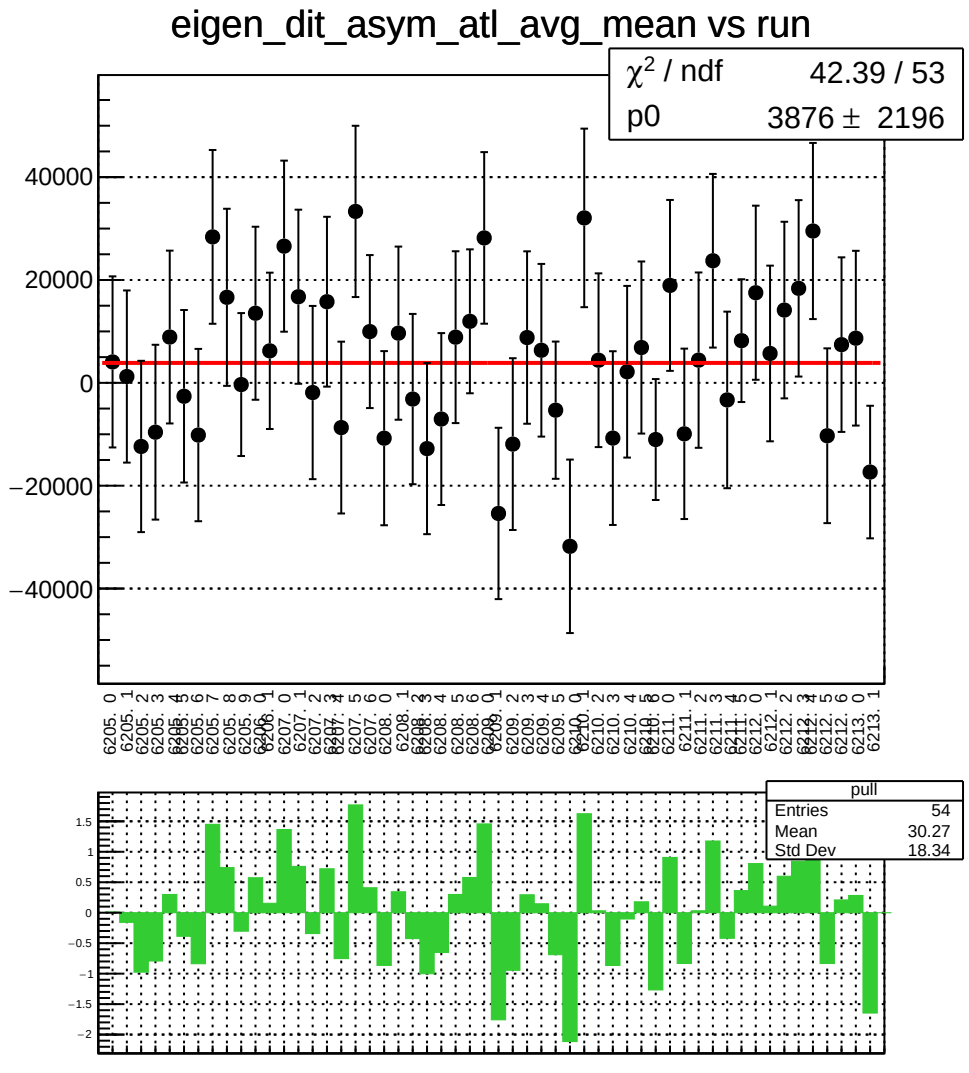

pull1D
Entries 54
Mean 0.01983
Std Dev 0.8858
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

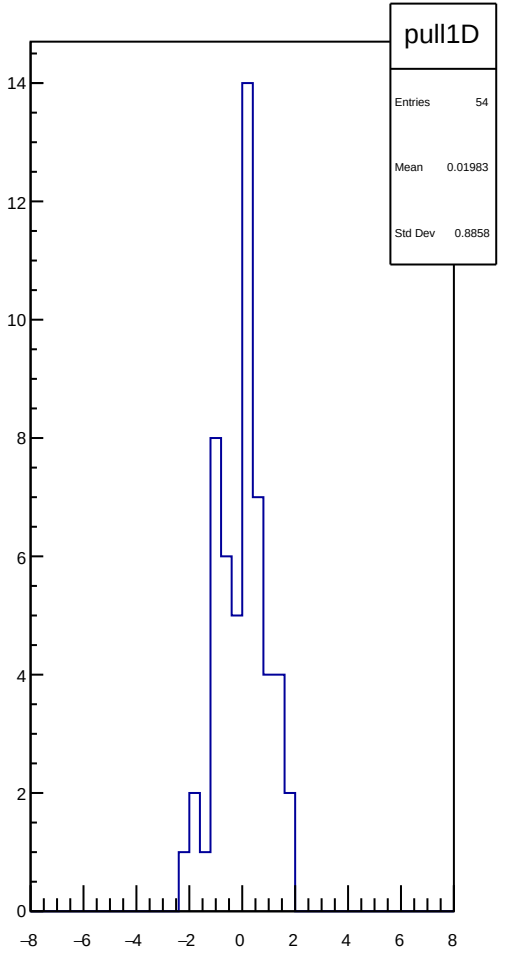

dit_asym_atl_avg_rms vs run
χ² / ndf 184.4 / 53
p0 1599 ± 1.553
1680
1660
1640
1620
1600
1580
1560
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

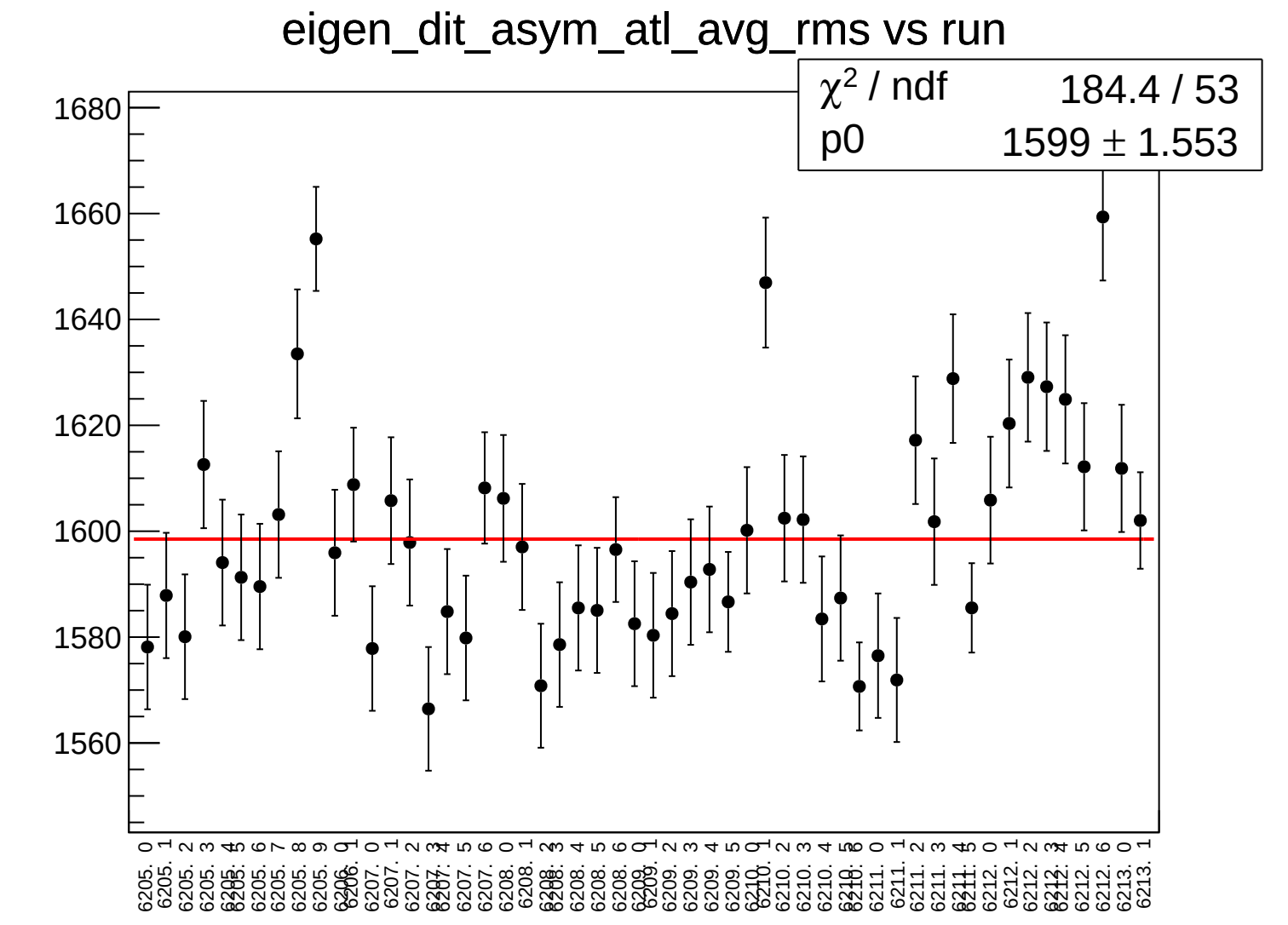

asym_atl_avg_dit_correction_mean vs run
×10^3
χ^2 / ndf 43.18 / 53
p0 3687 ± 5840
150
100
50
0
−50
−100
pull
Entries 54
Mean −92.74
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

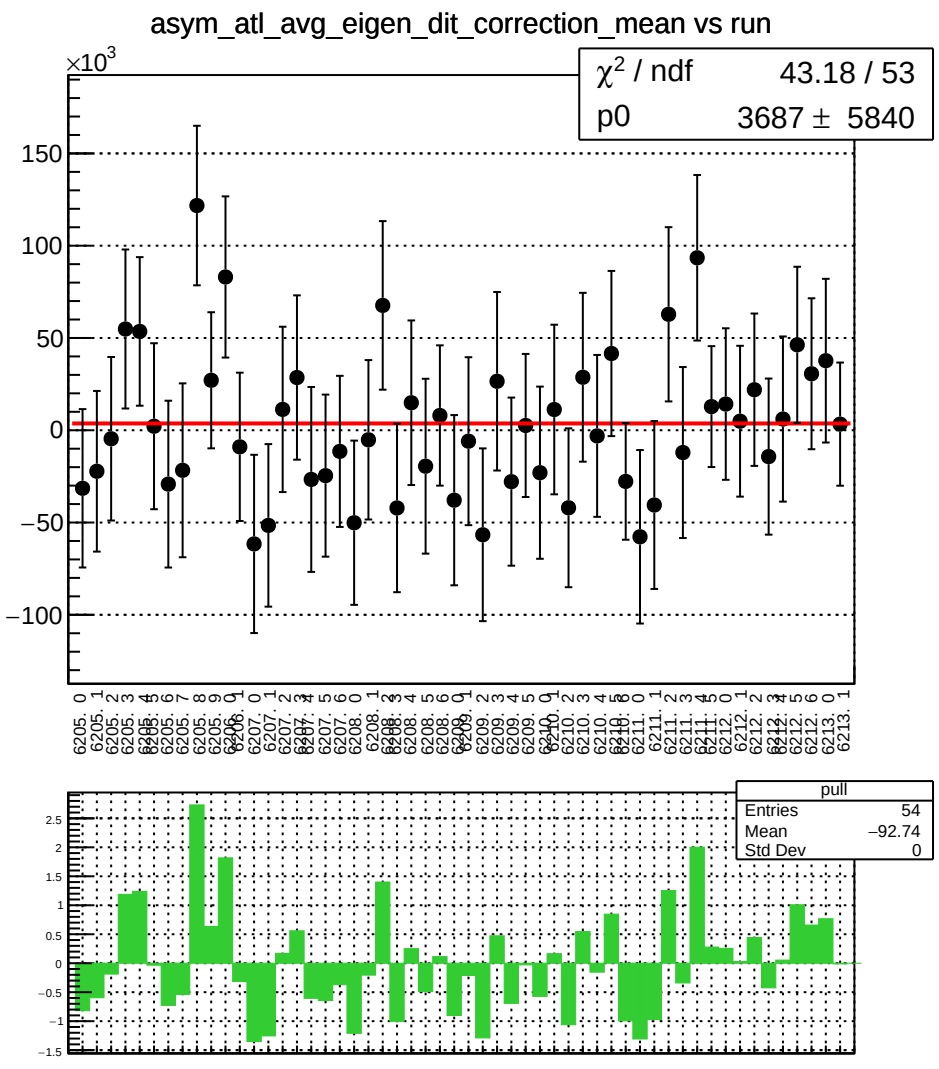

pull1D
Entries 54
Mean −0.007832
Std Dev 0.8942
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

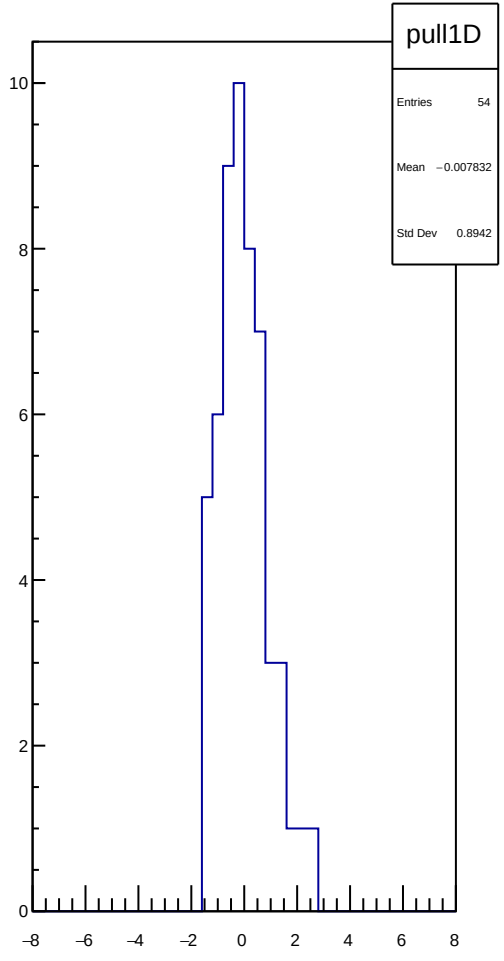

asym_atl_avg_dit_correction_rms vs run
χ² / ndf 2084 / 53
p0 4246 ± 4.129
4800
4600
4400
4200
4000
3800
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

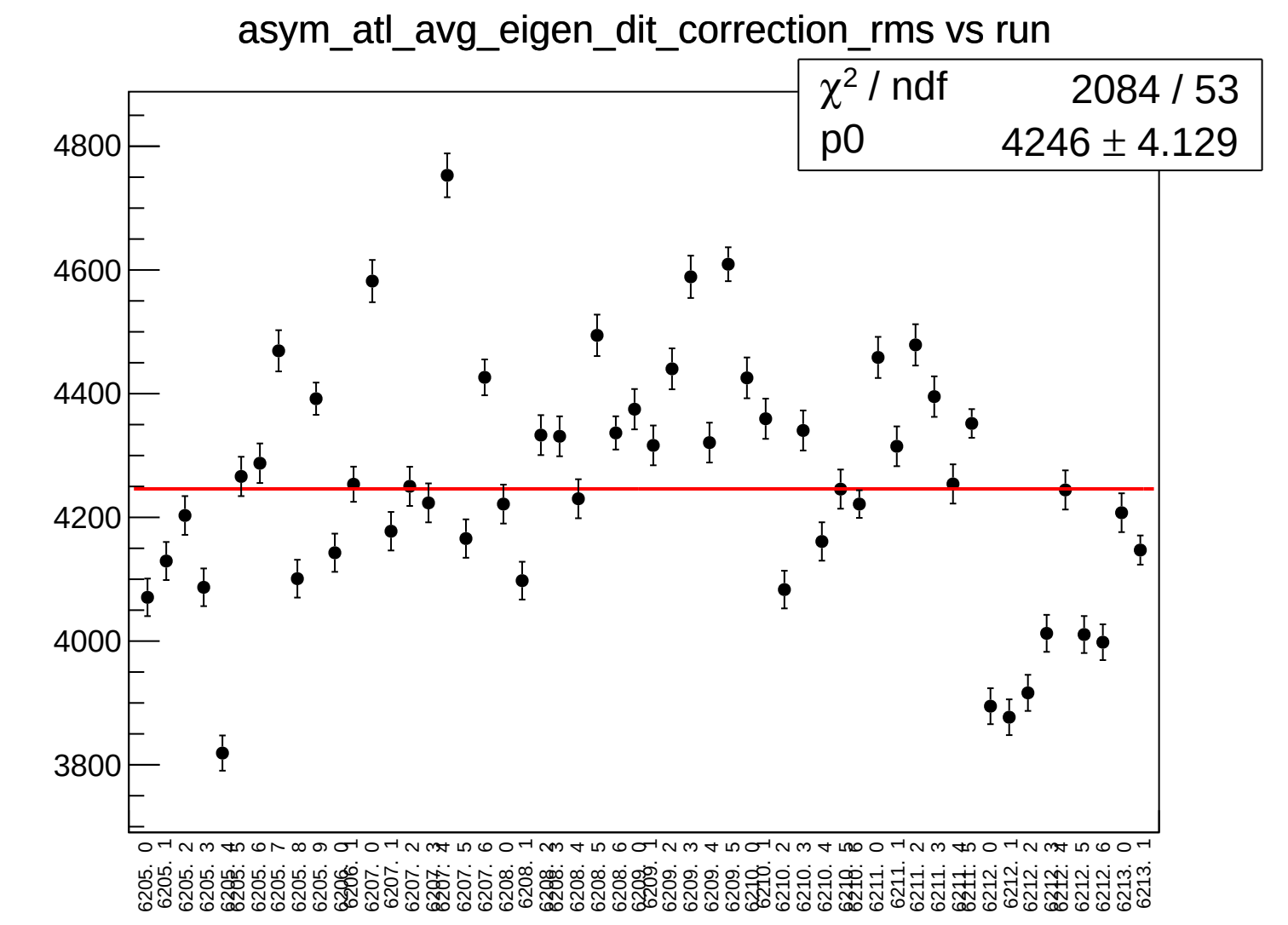

eigen_dit_asym_atl_avg_mean vs run
χ² / ndf 42.39 / 53
p0 3876 ± 2196
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 30.27
Std Dev 18.34
1.5
1
0.5
0
−0.5
−1
−1.5
−2

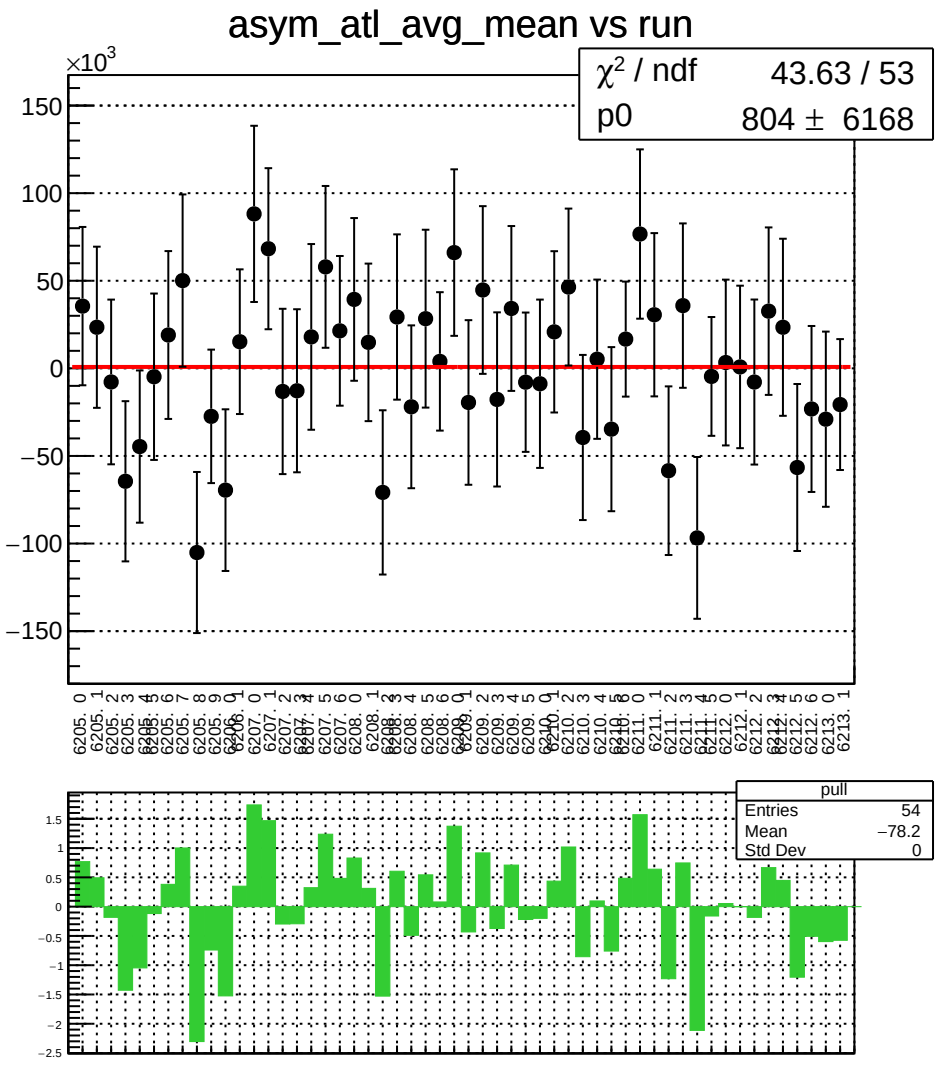

pull1D
Entries 54
Mean 0.01983
Std Dev 0.8858
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

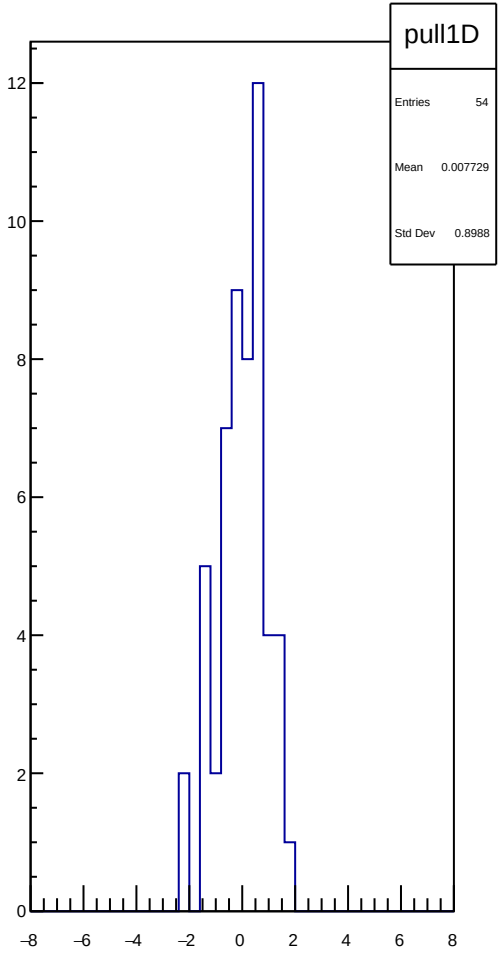

eigen_dit_asym_atl_avg_rms vs run
χ² / ndf 184.4 / 53
p0 1599 ± 1.553
1680
1660
1640
1620
1600
1580
1560
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 1
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

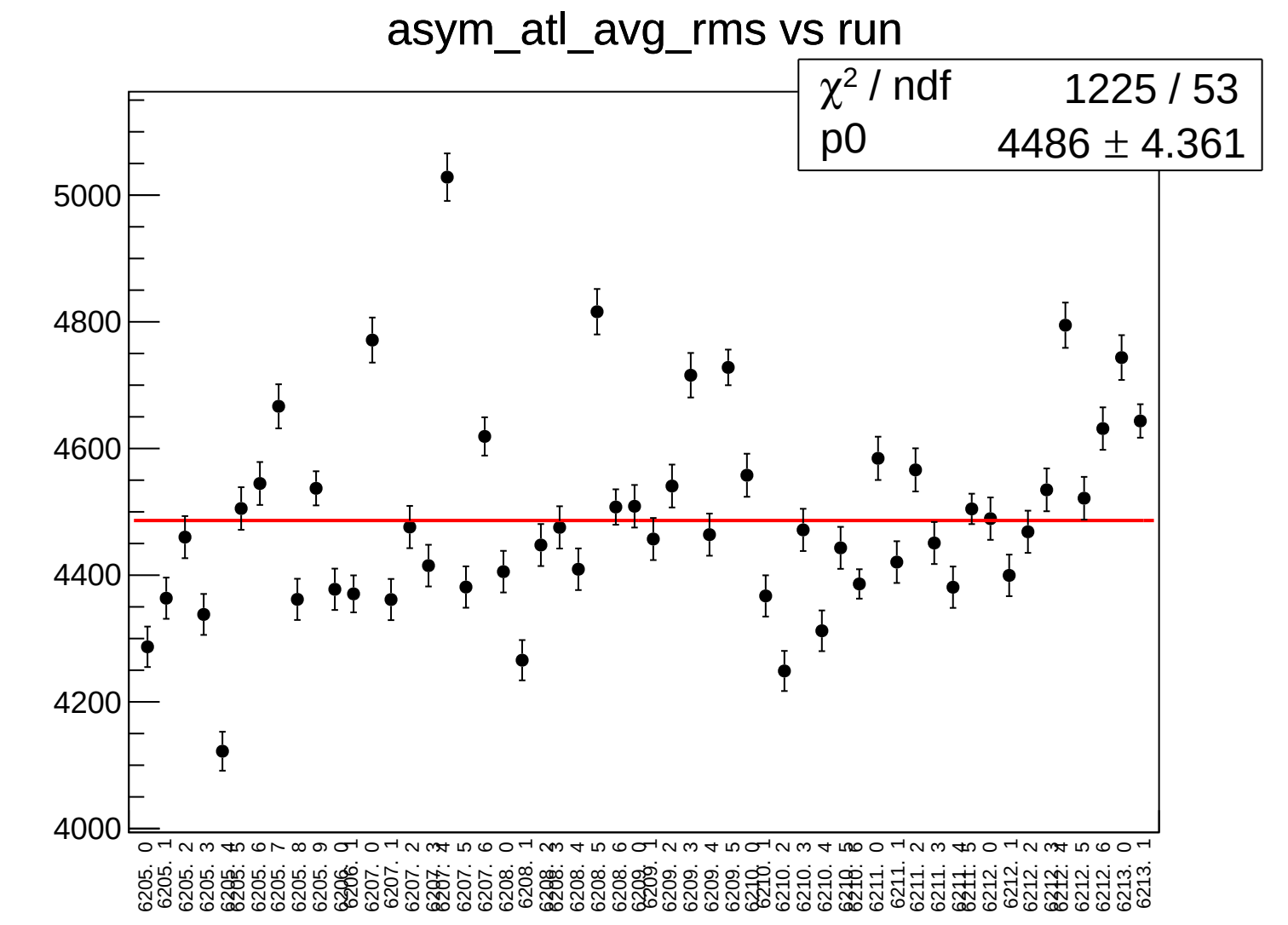

asym_atl_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 43.18 / 53
p0 3687 ± 5840
150
100
50
0
−50
−100
pull
Entries 54
Mean −92.74
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

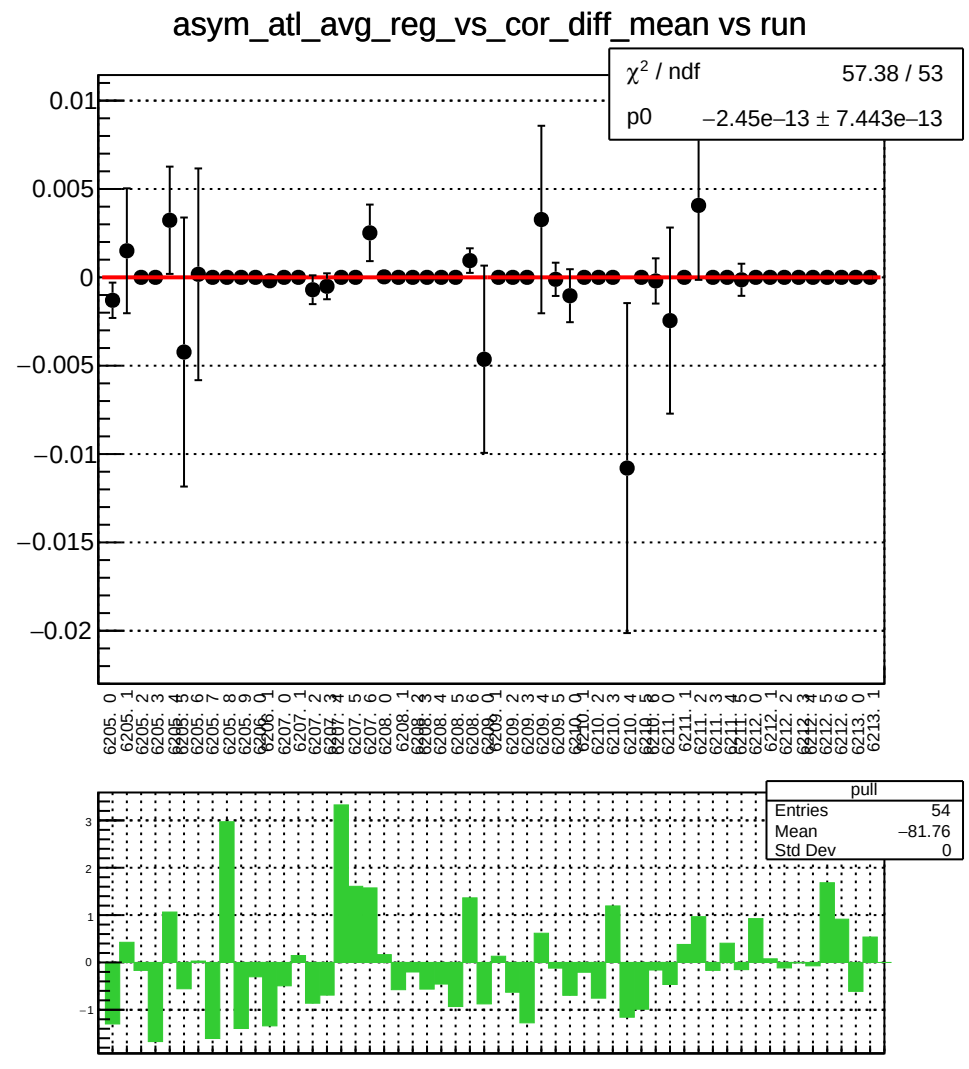

pull1D
Entries 54
Mean −0.007832
Std Dev 0.8942
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

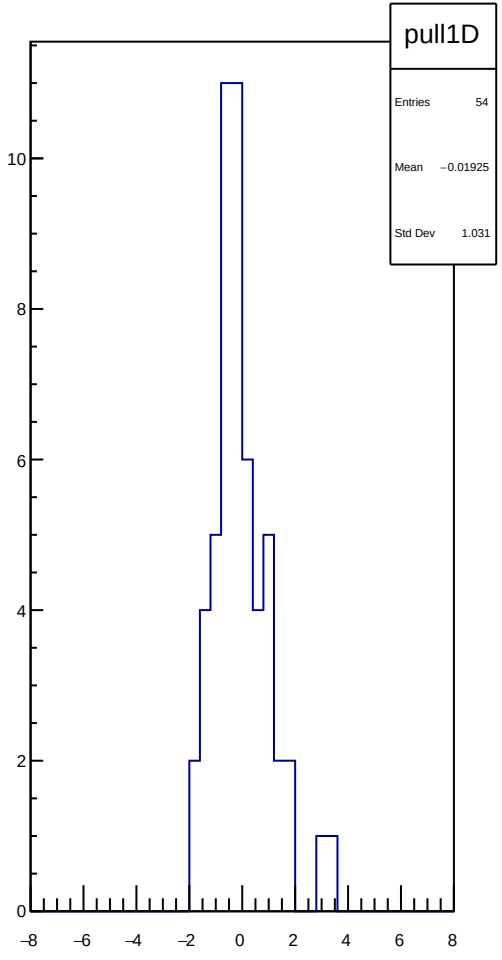

asym_atl_avg_eigen_dit_correction_rms vs run
χ² / ndf 2084 / 53
p0 4246 ± 4.129
4800
4600
4400
4200
4000
3800
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

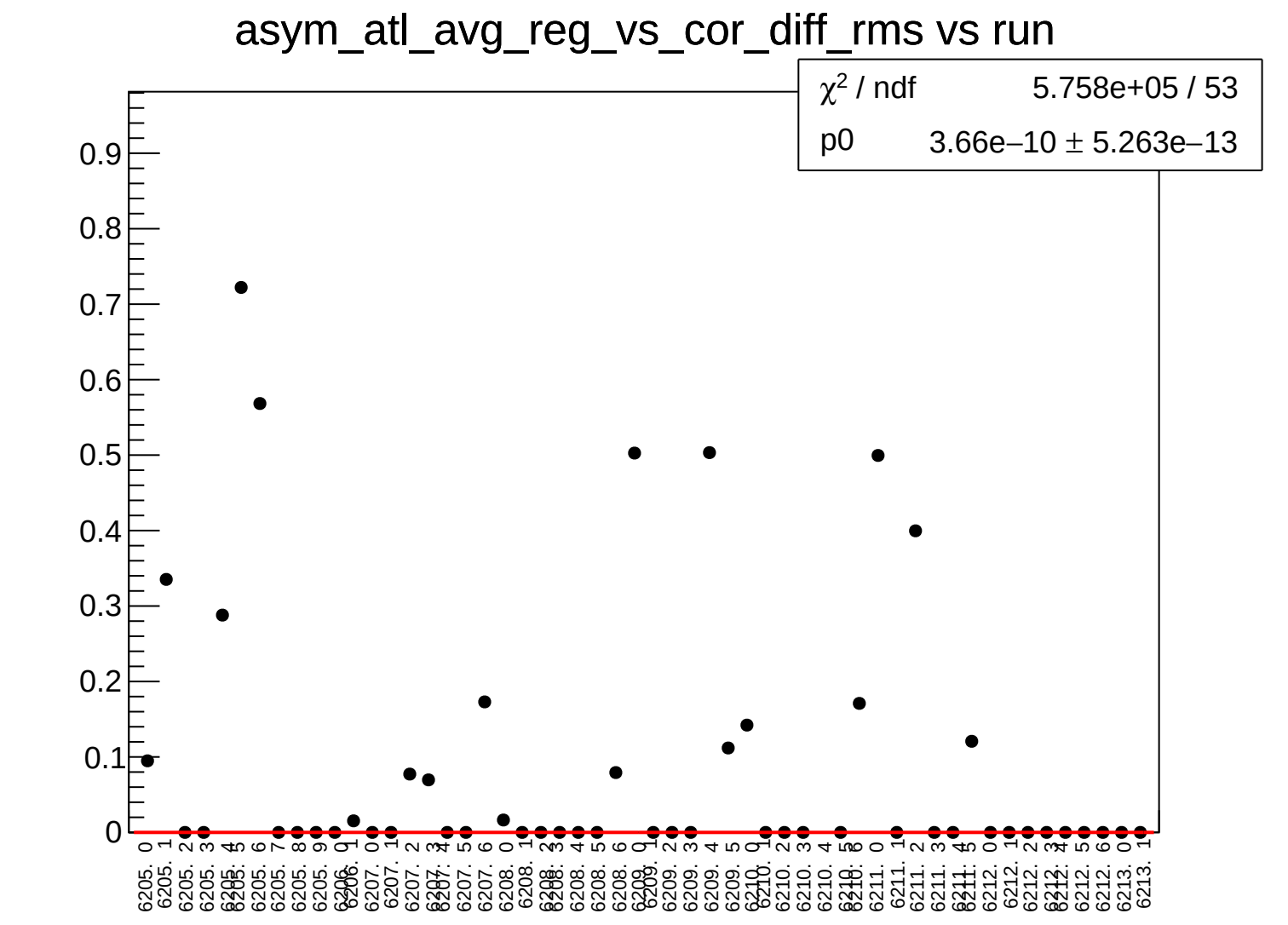

asym_atl_avg_mean vs run
×10^3
χ² / ndf 43.63 / 53
p0 804 ± 6168
150
100
50
0
−50
−100
−150
pull
Entries 54
Mean −78.2
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

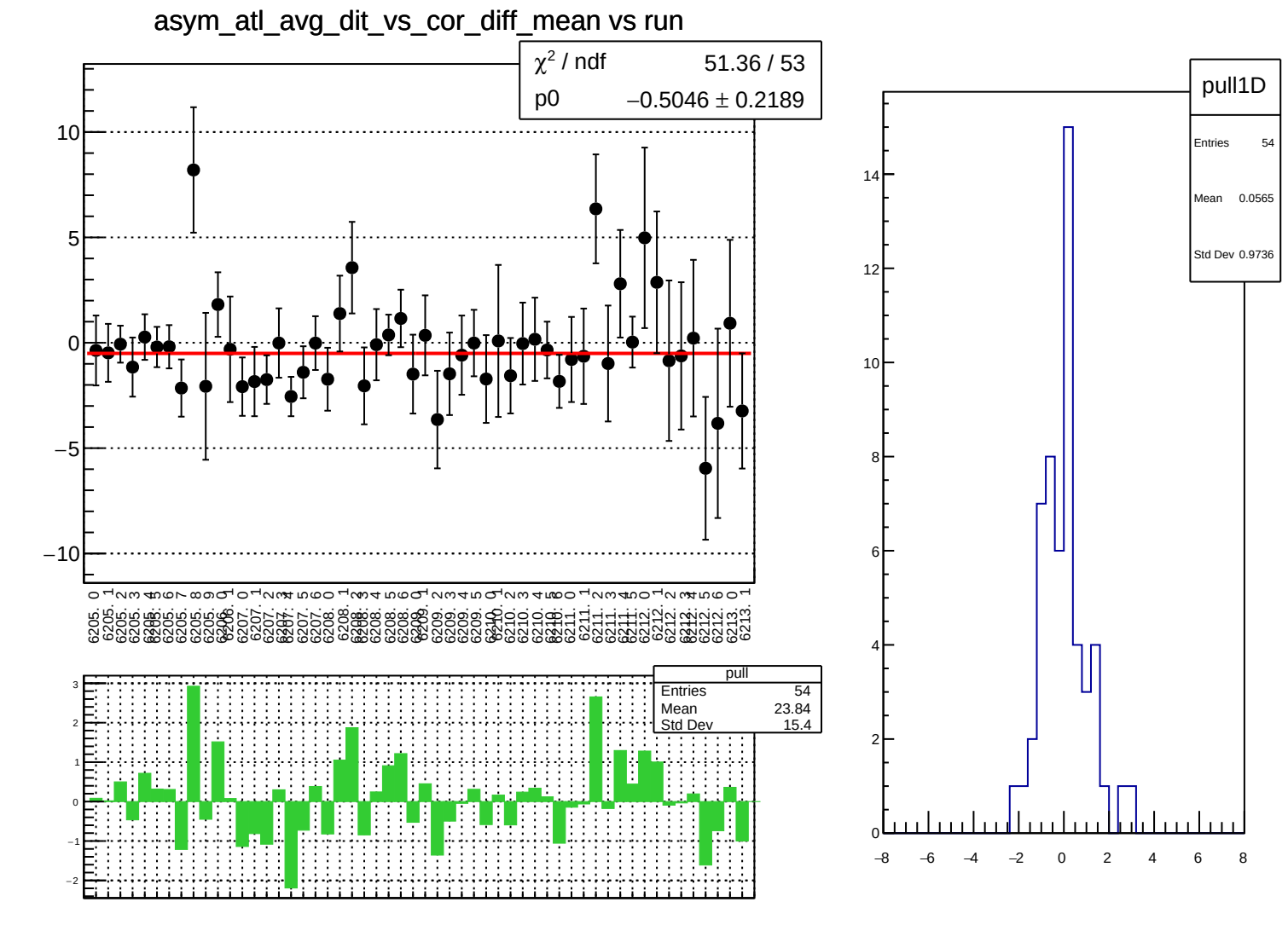

pull1D
Entries 54
Mean 0.007729
Std Dev 0.8988
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

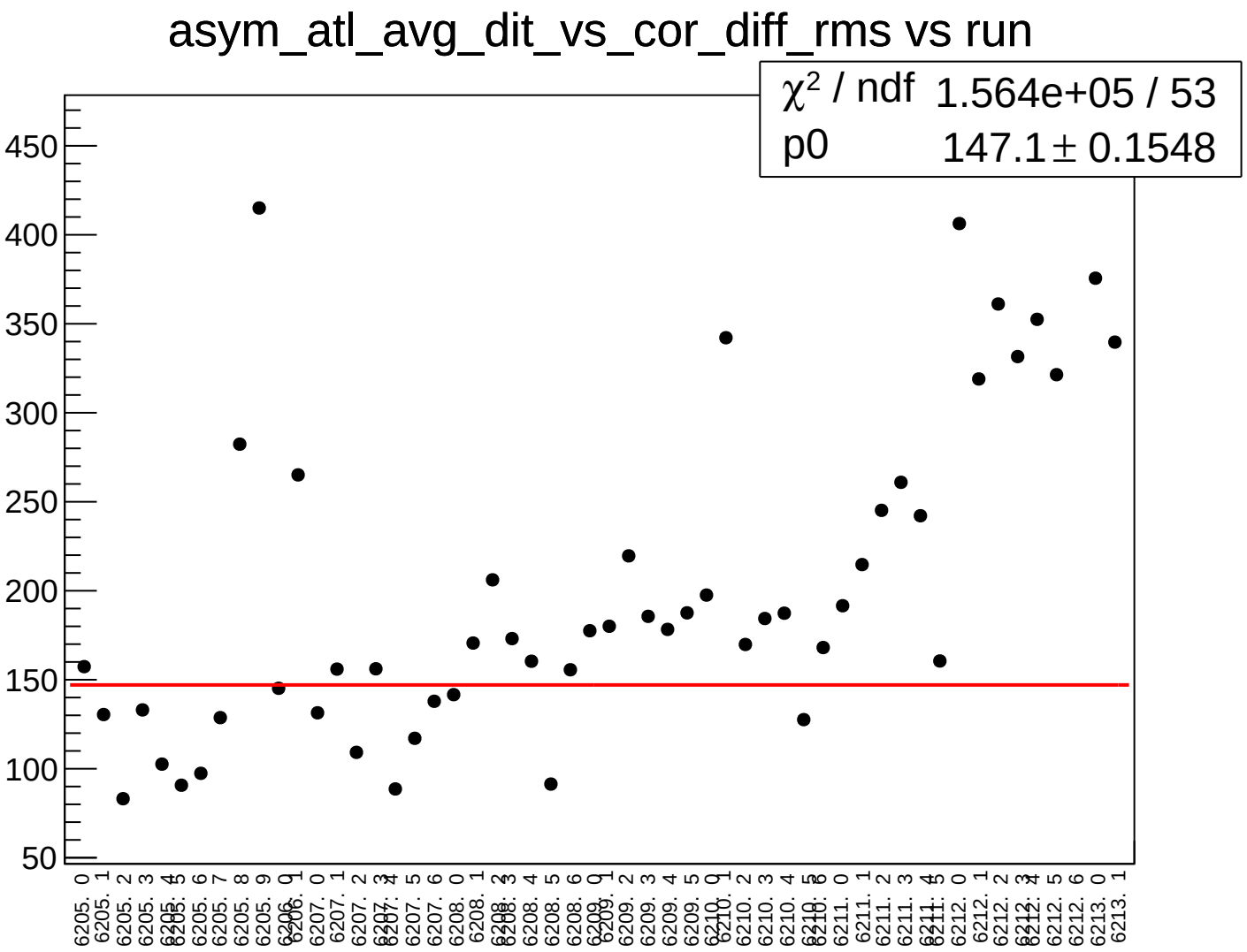

asym_atl_avg_rms vs run
χ² / ndf 1225 / 53
p0 4486 ± 4.361
5000
4800
4600
4400
4200
4000
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_atl_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 57.38 / 53
p0 −2.45e−13 ± 7.443e−13
pull
Entries 54
Mean −81.76
Std Dev 0


pull1D
Entries 54
Mean −0.01925
Std Dev 1.031


asym_atl_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 5.758e+05 / 53
p0 3.66e−10 ± 5.263e−13
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_atl_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 51.36 / 53
p0 −0.5046 ± 0.2189
pull
Entries 54
Mean 23.84
Std Dev 15.4
pull1D
Entries 54
Mean 0.0565
Std Dev 0.9736


asym_atl_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.564e+05 / 53
p0 147.1 ± 0.1548
450
400
350
300
250
200
150
100
50
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
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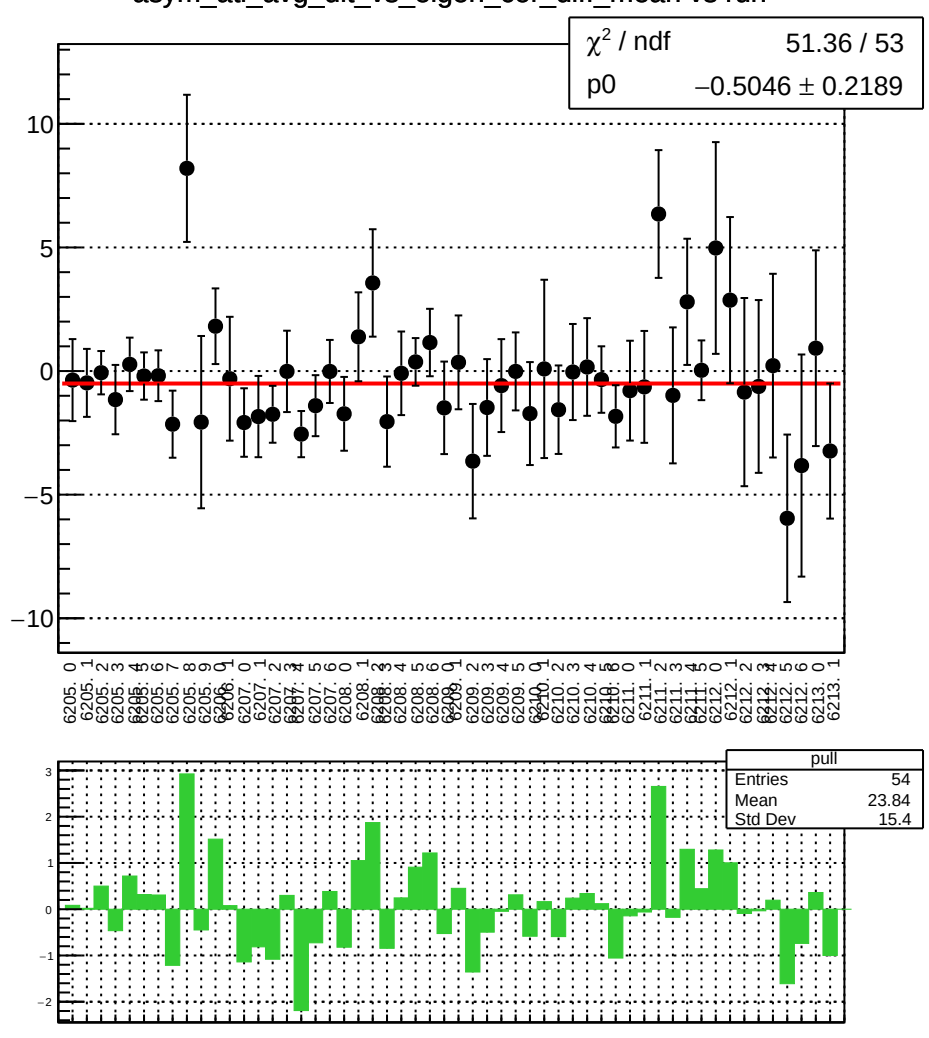
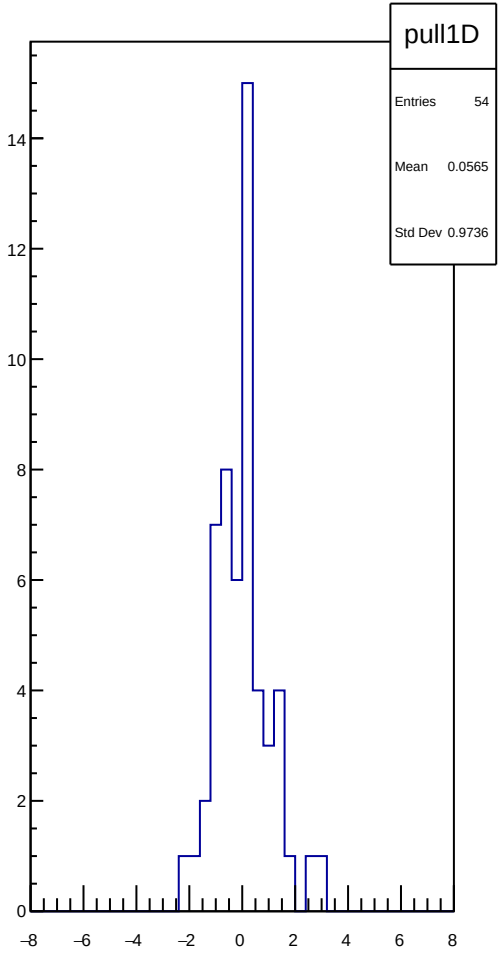
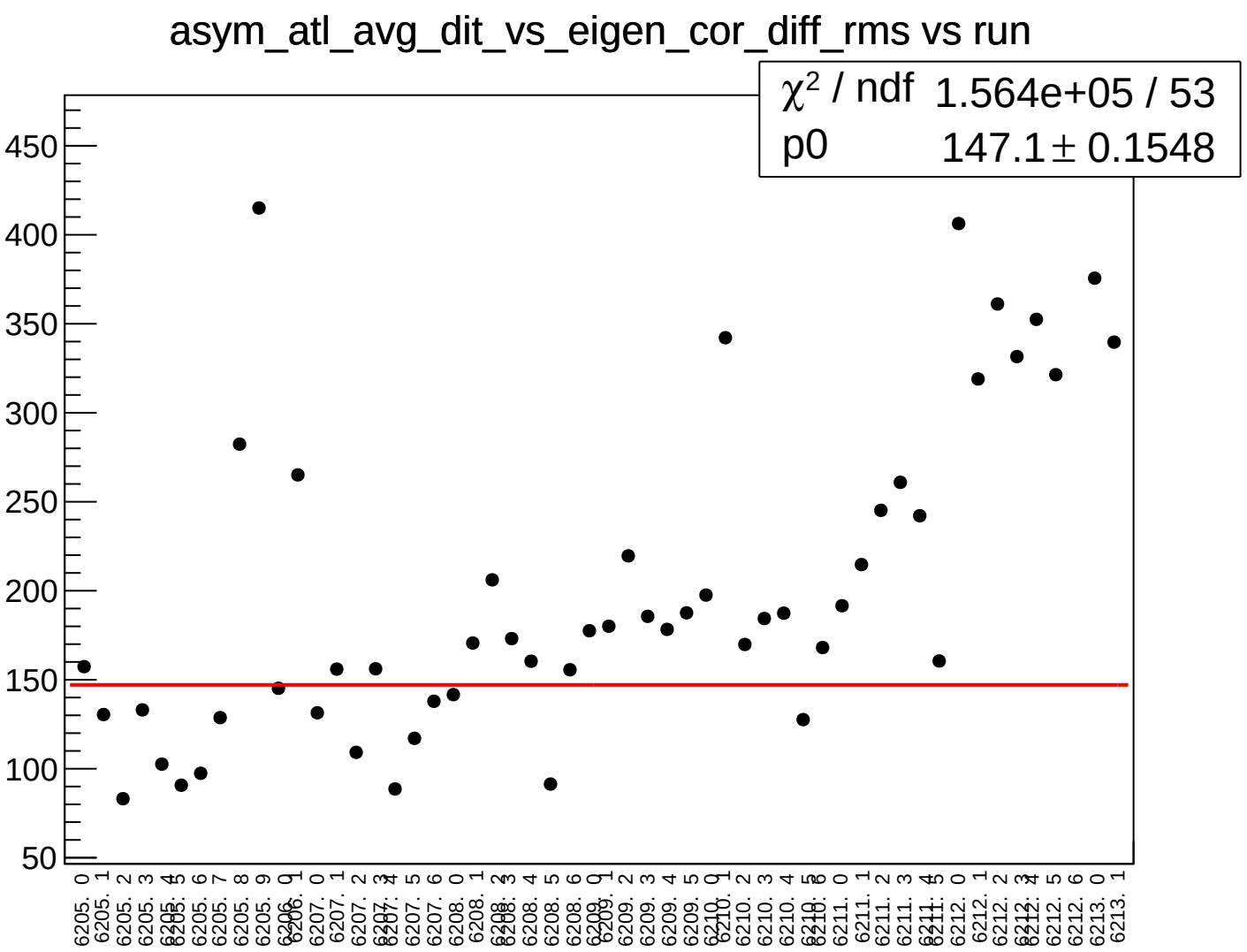
6212. 6
6213. 0
6213. 1


asym_atl_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 51.36 / 53
p0 −0.5046 ± 0.2189
pull
Entries 54
Mean 23.84
Std Dev 15.4


pull1D
Entries 54
Mean 0.0565
Std Dev 0.9736


asym_atl_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.564e+05 / 53
p0 147.1 ± 0.1548
450
400
350
300
250
200
150
100
50
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
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6209. 5
6210. 0
6210. 1
6210. 2
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6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
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6211. 4
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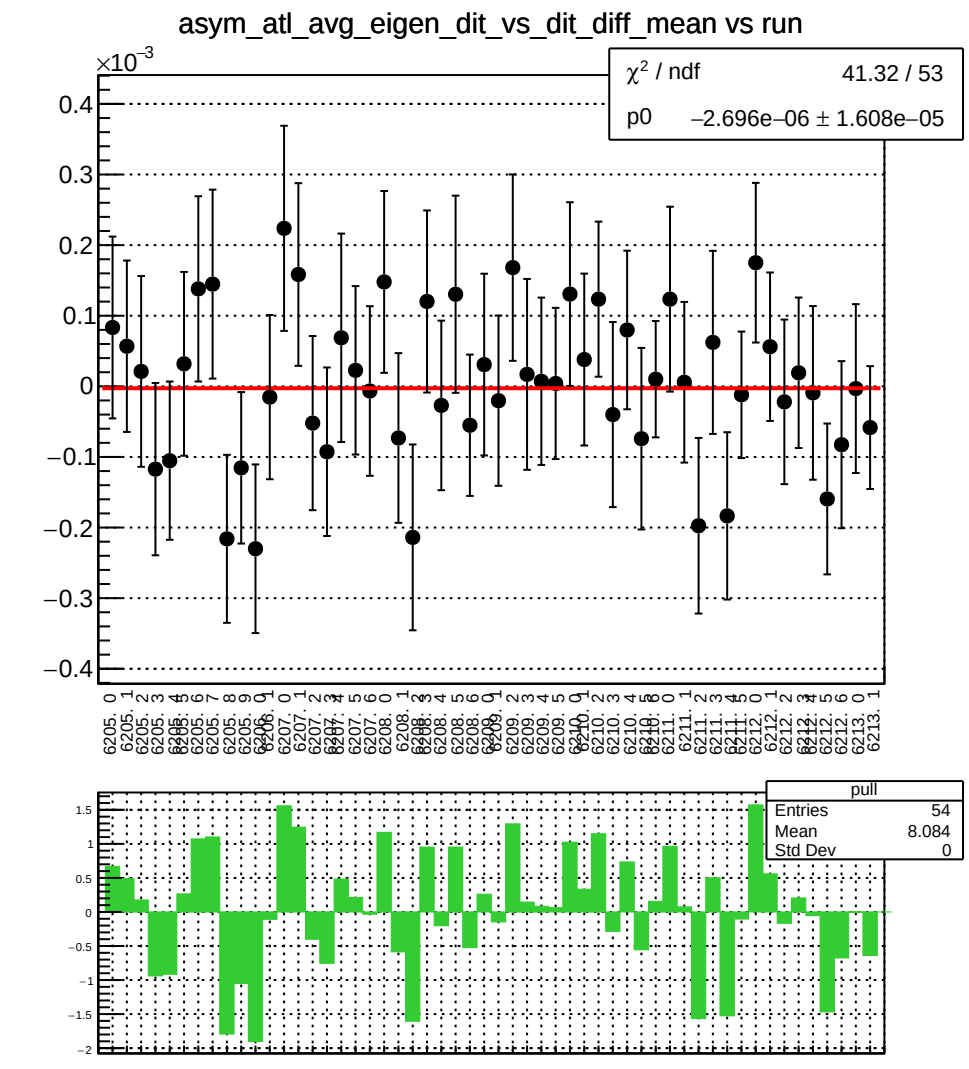
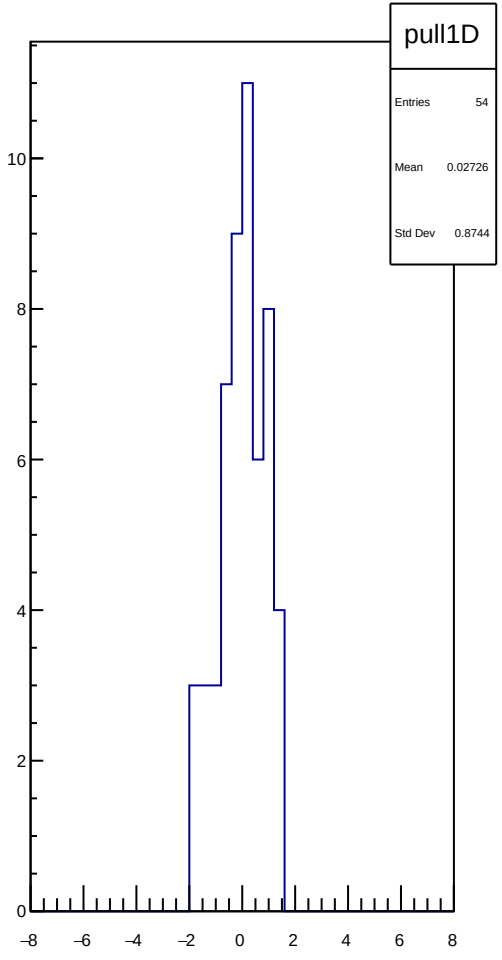
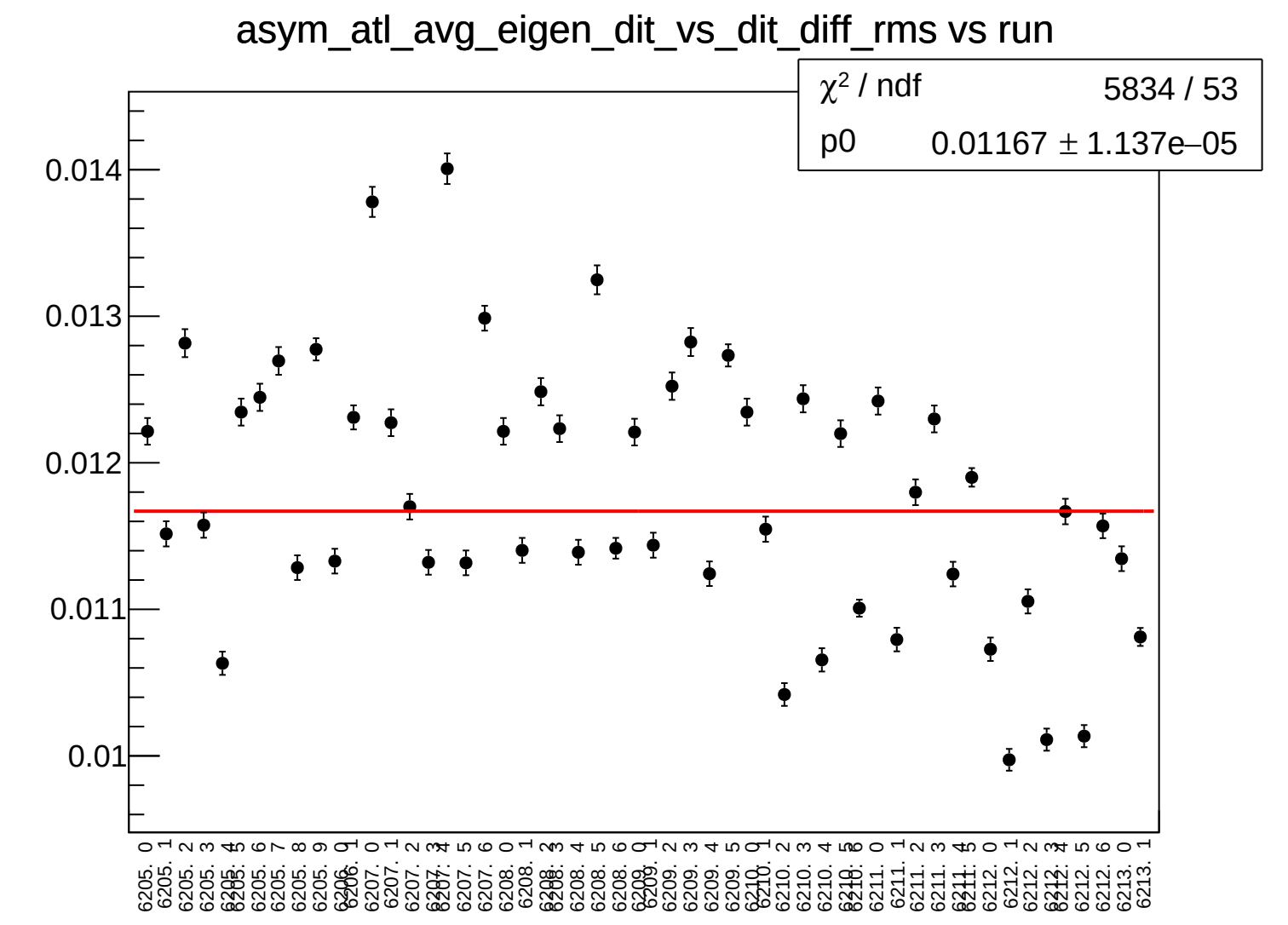
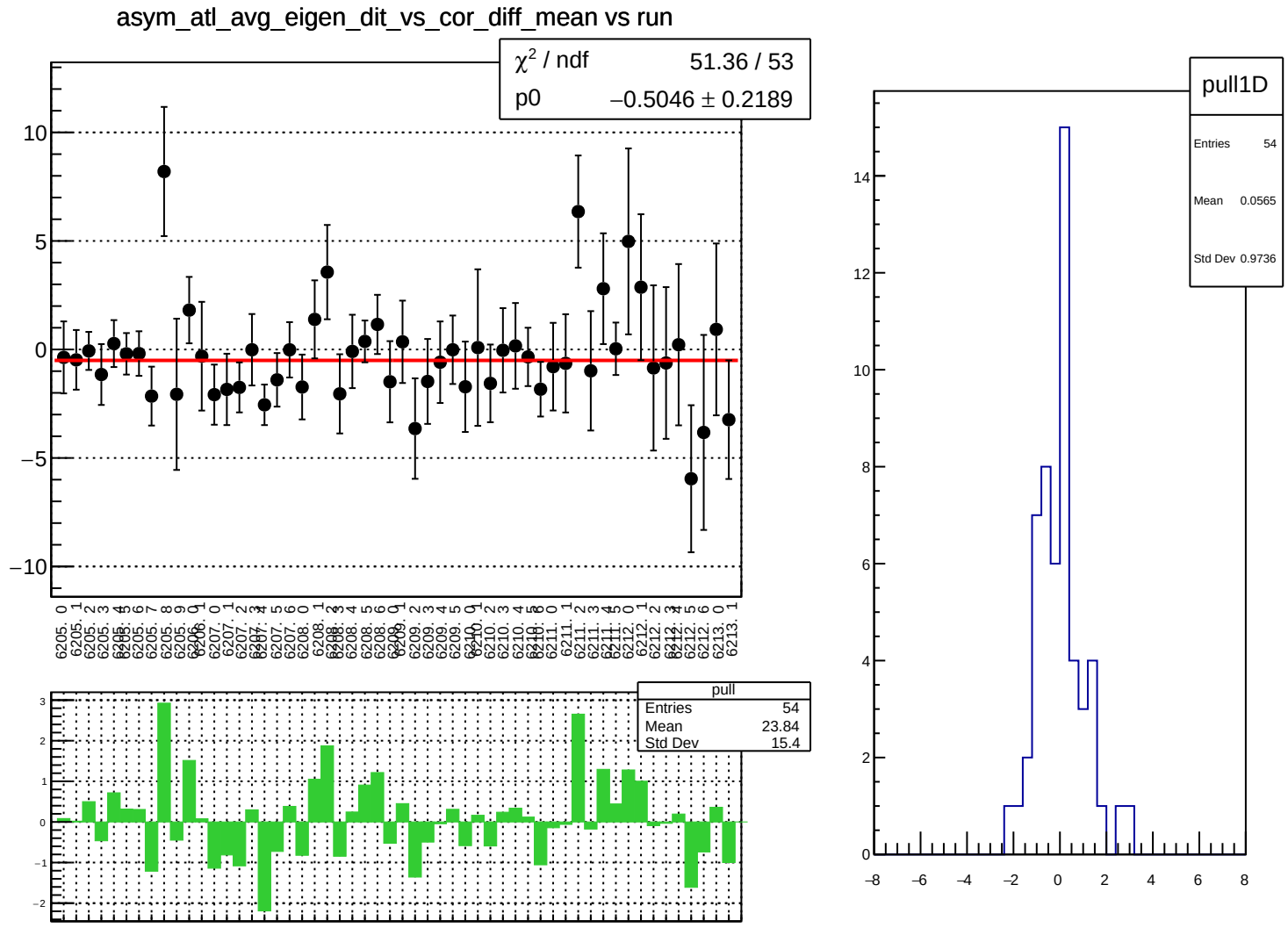
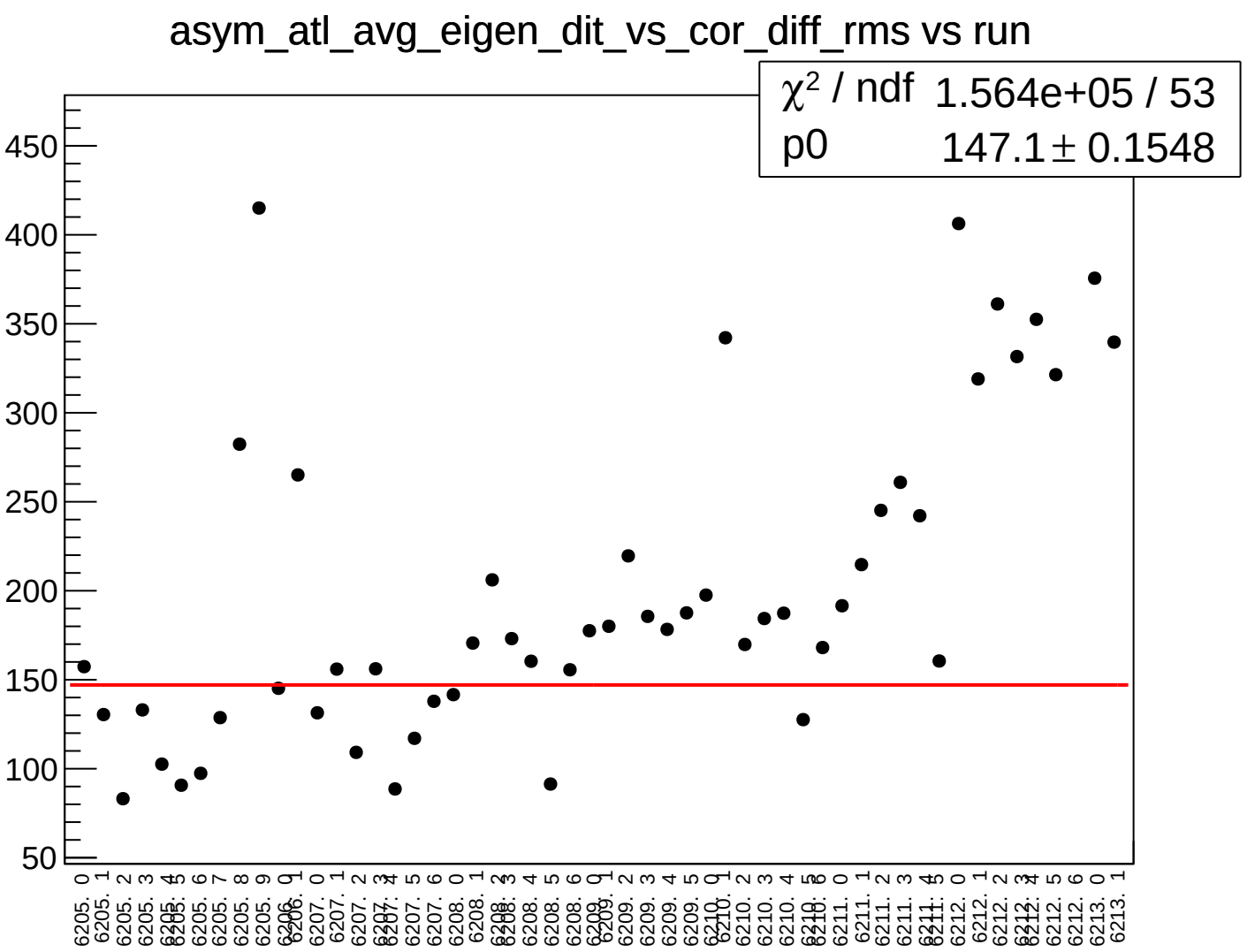
6212. 5
6212. 6
6213. 0
6213. 1


asym_atl_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 41.32 / 53
p0 −2.696e−06 ± 1.608e−05
pull
Entries 54
Mean 8.084
Std Dev 0


pull1D
Entries 54
Mean 0.02726
Std Dev 0.8744


asym_atl_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5834 / 53
p0 0.01167 ± 1.137e–05
0.014
0.013
0.012
0.011
0.01
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_atl_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 51.36 / 53
p0 −0.5046 ± 0.2189
pull
Entries 54
Mean 23.84
Std Dev 15.4
pull1D
Entries 54
Mean 0.0565
Std Dev 0.9736


asym_atl_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.564e+05 / 53
p0 147.1 ± 0.1548
450
400
350
300
250
200
150
100
50
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
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6207. 2
6207. 3
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6207. 5
6207. 6
6208. 0
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6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
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6209. 3
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6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
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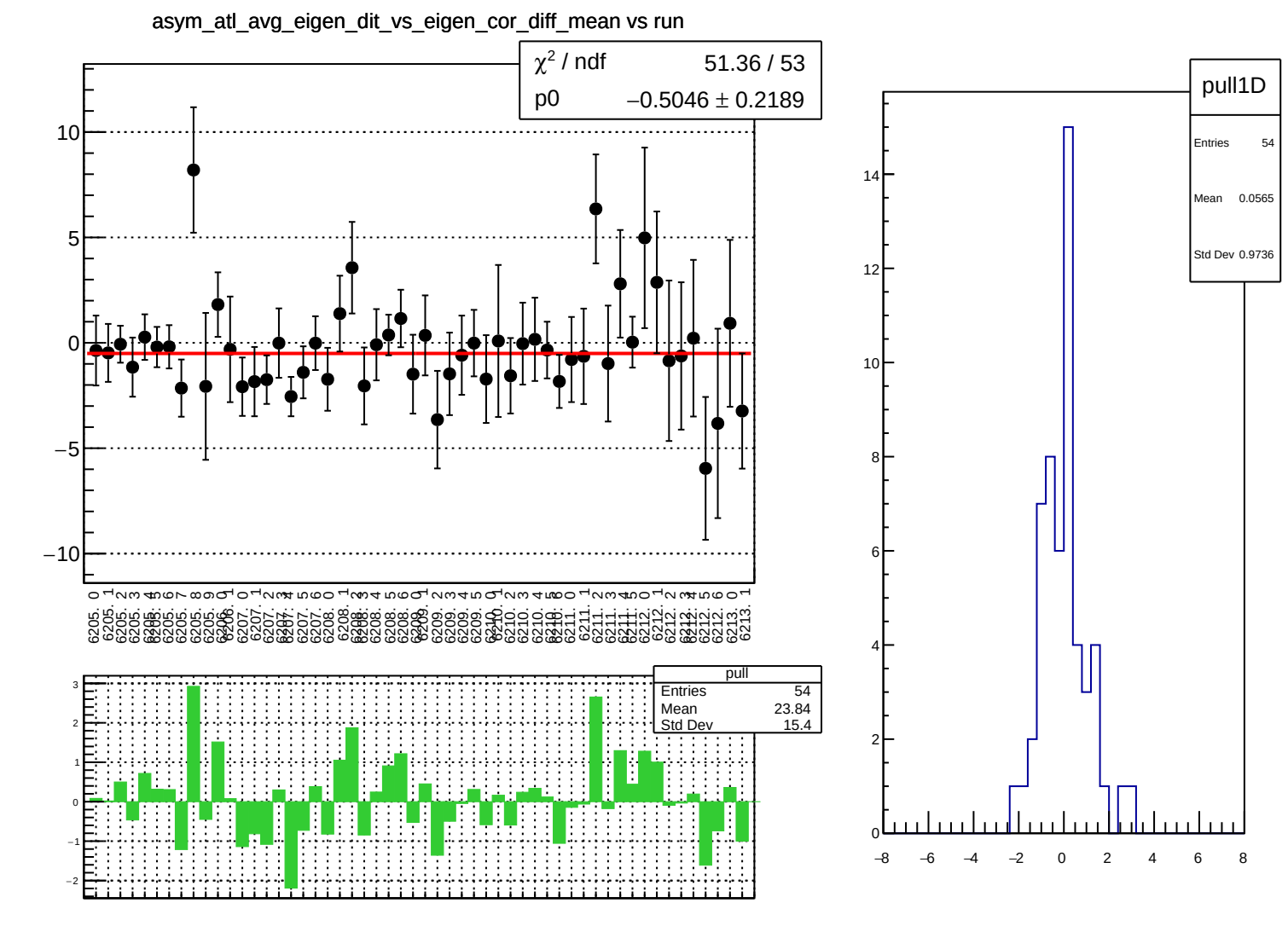
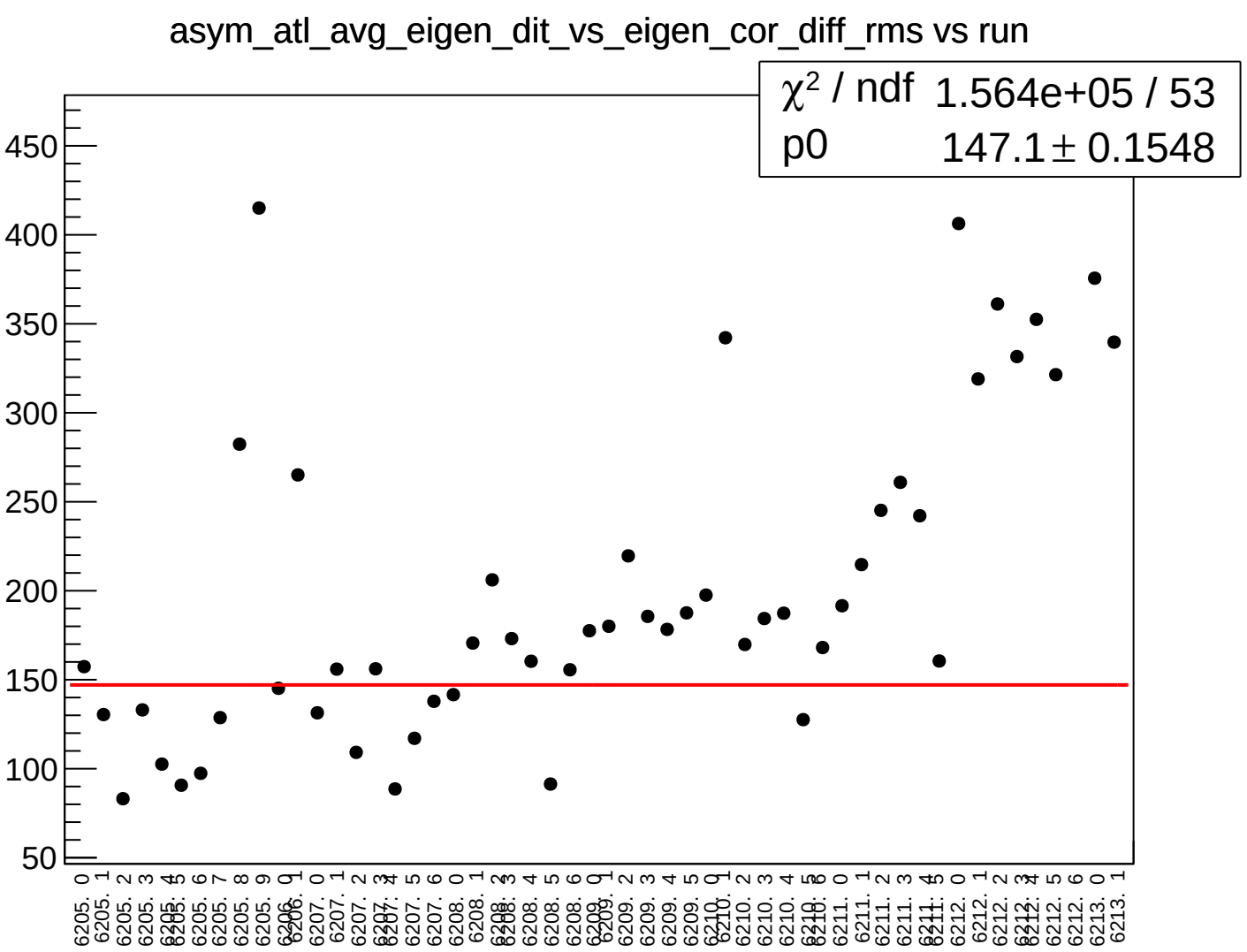
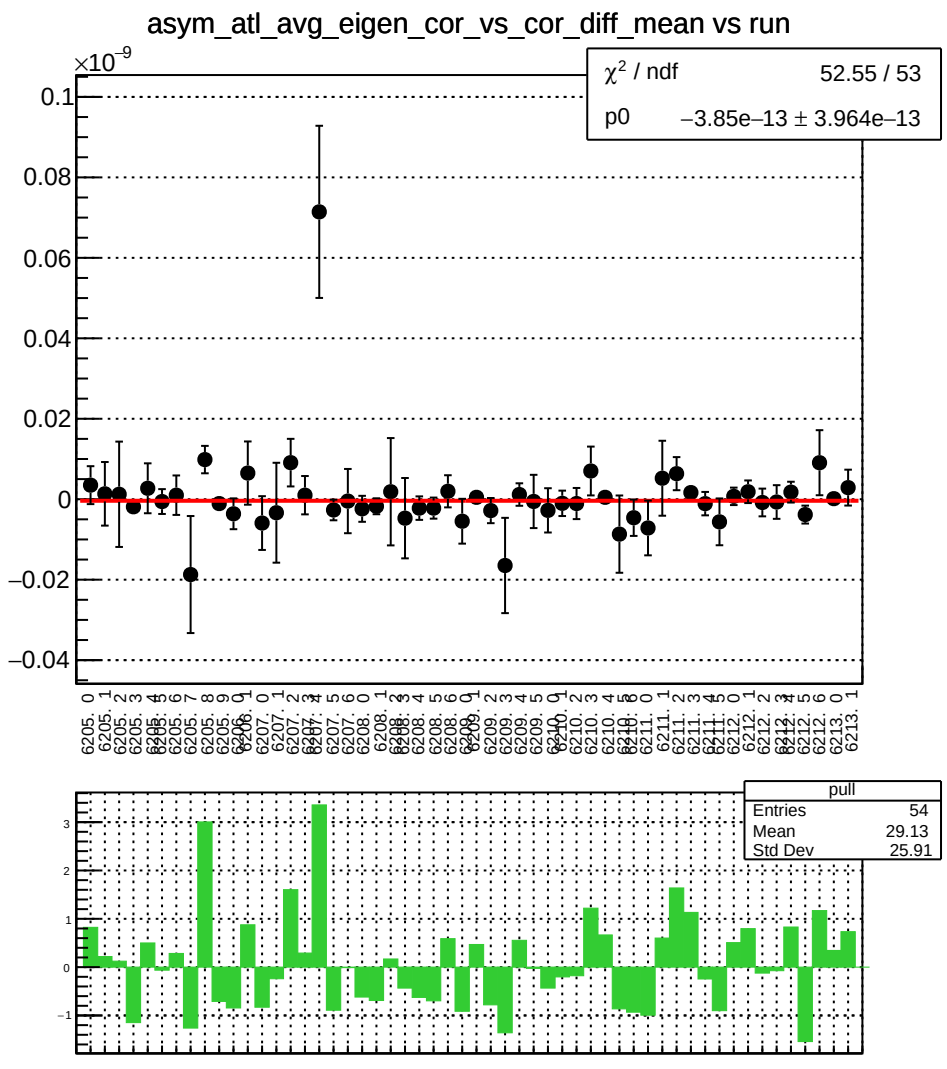
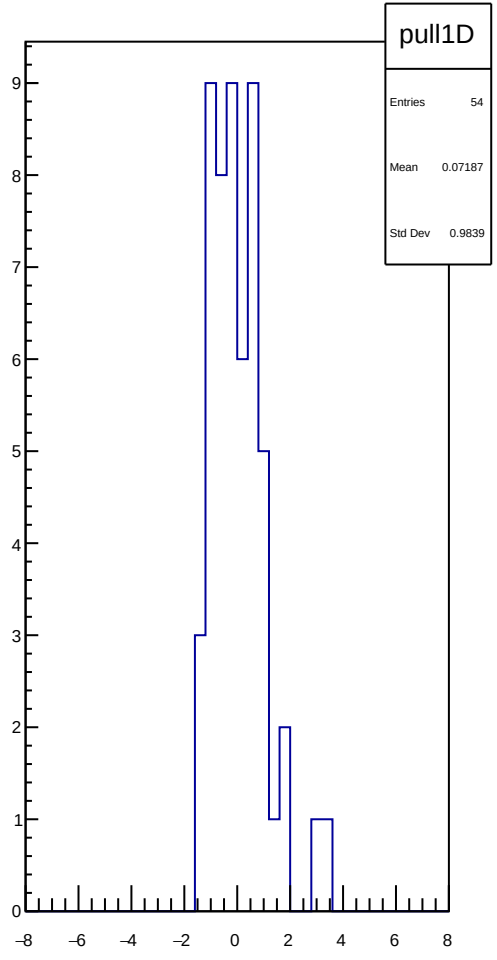
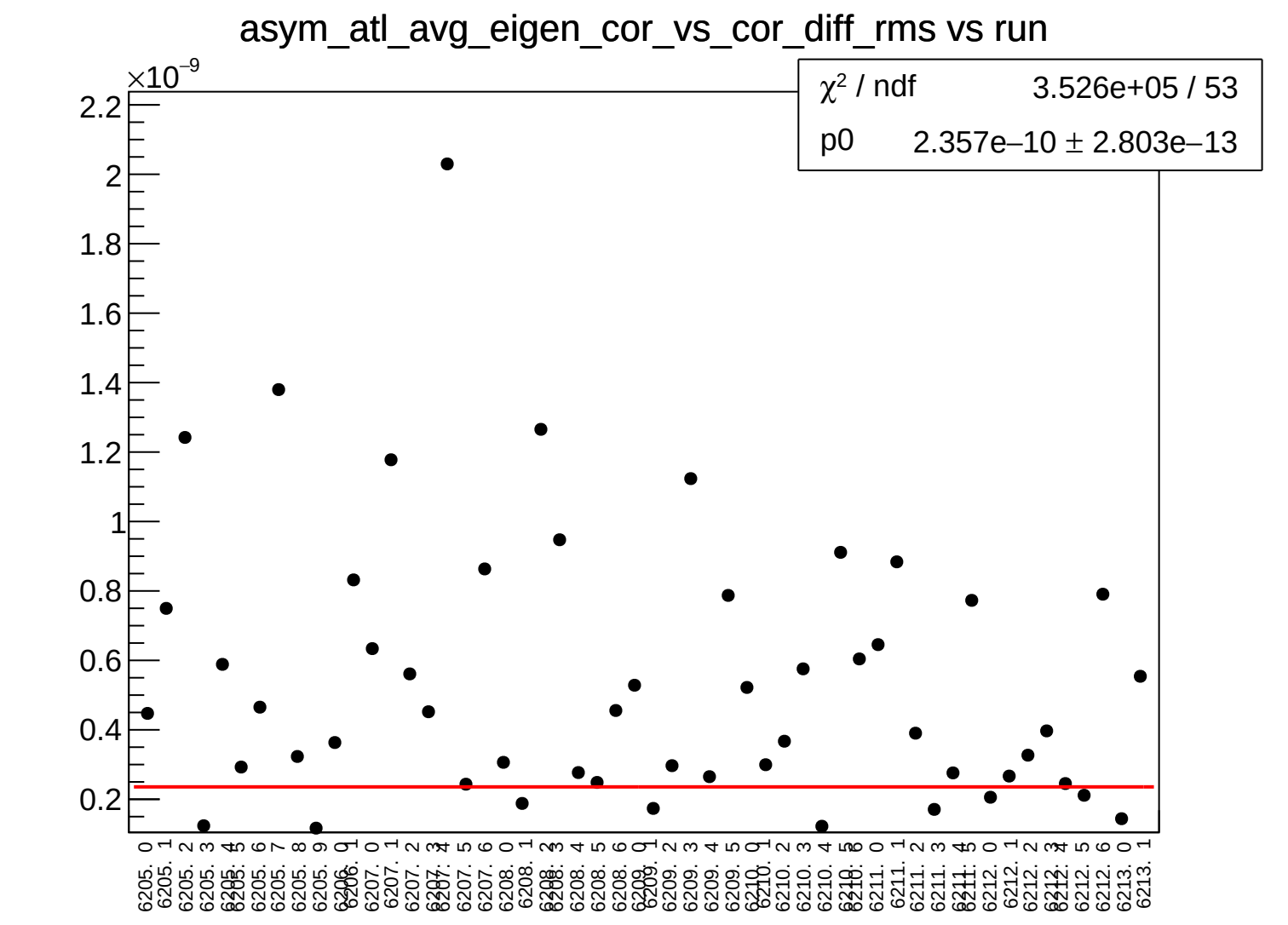
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_atl_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 51.36 / 53
p0 −0.5046 ± 0.2189
pull
Entries 54
Mean 23.84
Std Dev 15.4
pull1D
Entries 54
Mean 0.0565
Std Dev 0.9736


asym_atl_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.564e+05 / 53
p0 147.1 ± 0.1548
450
400
350
300
250
200
150
100
50
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_atl_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻⁹
χ² / ndf 52.55 / 53
p0 −3.85e−13 ± 3.964e−13
pull
Entries 54
Mean 29.13
Std Dev 25.91


pull1D
Entries 54
Mean 0.07187
Std Dev 0.9839


asym_atl_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.526e+05 / 53
p0 2.357e−10 ± 2.803e−13
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
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6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
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6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
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6212. 2
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6212. 4
6212. 5
6212. 6
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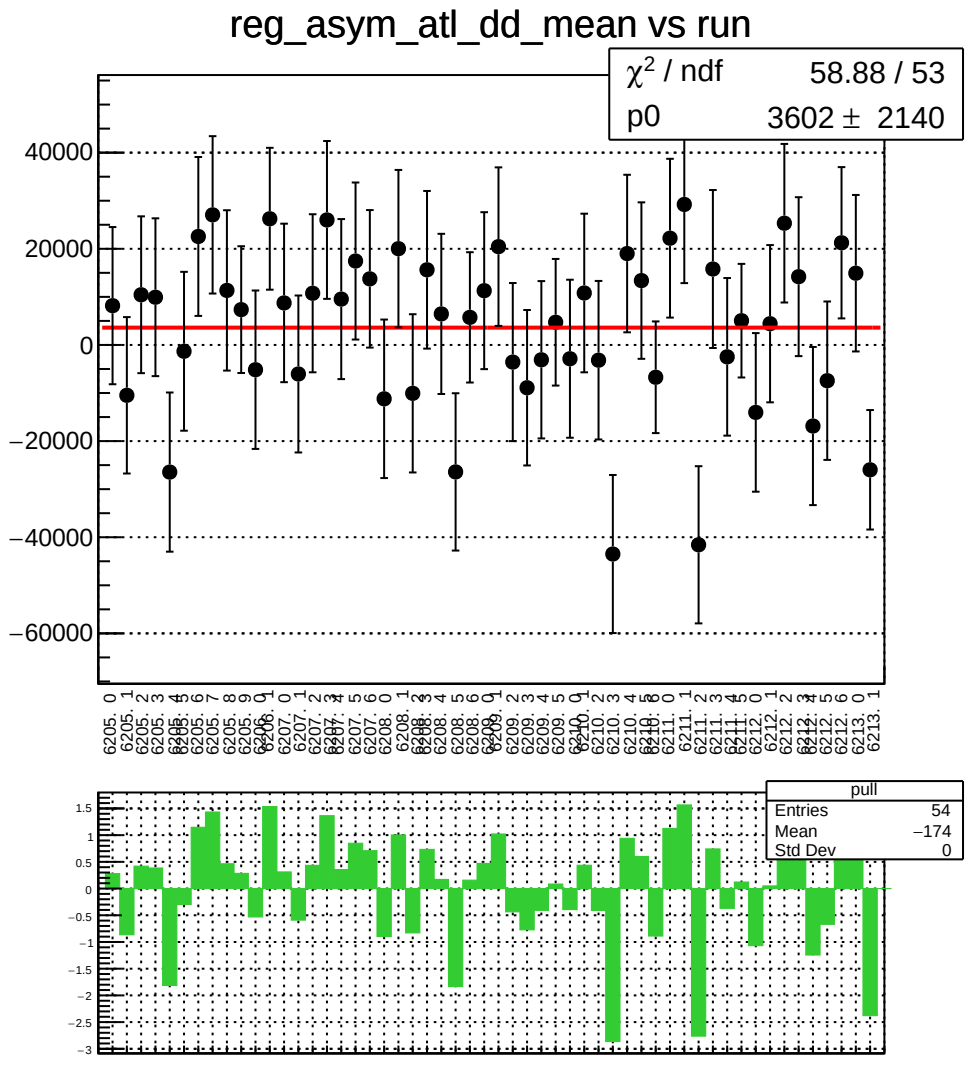
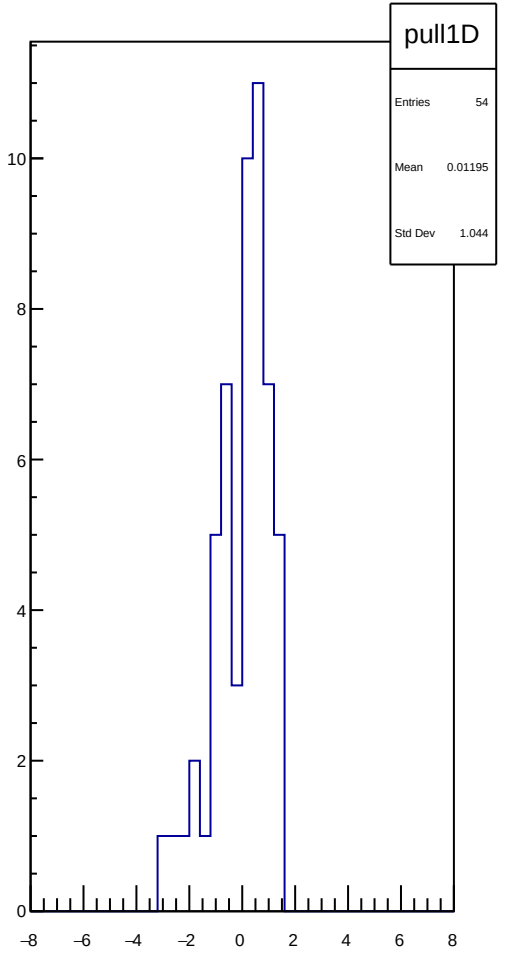
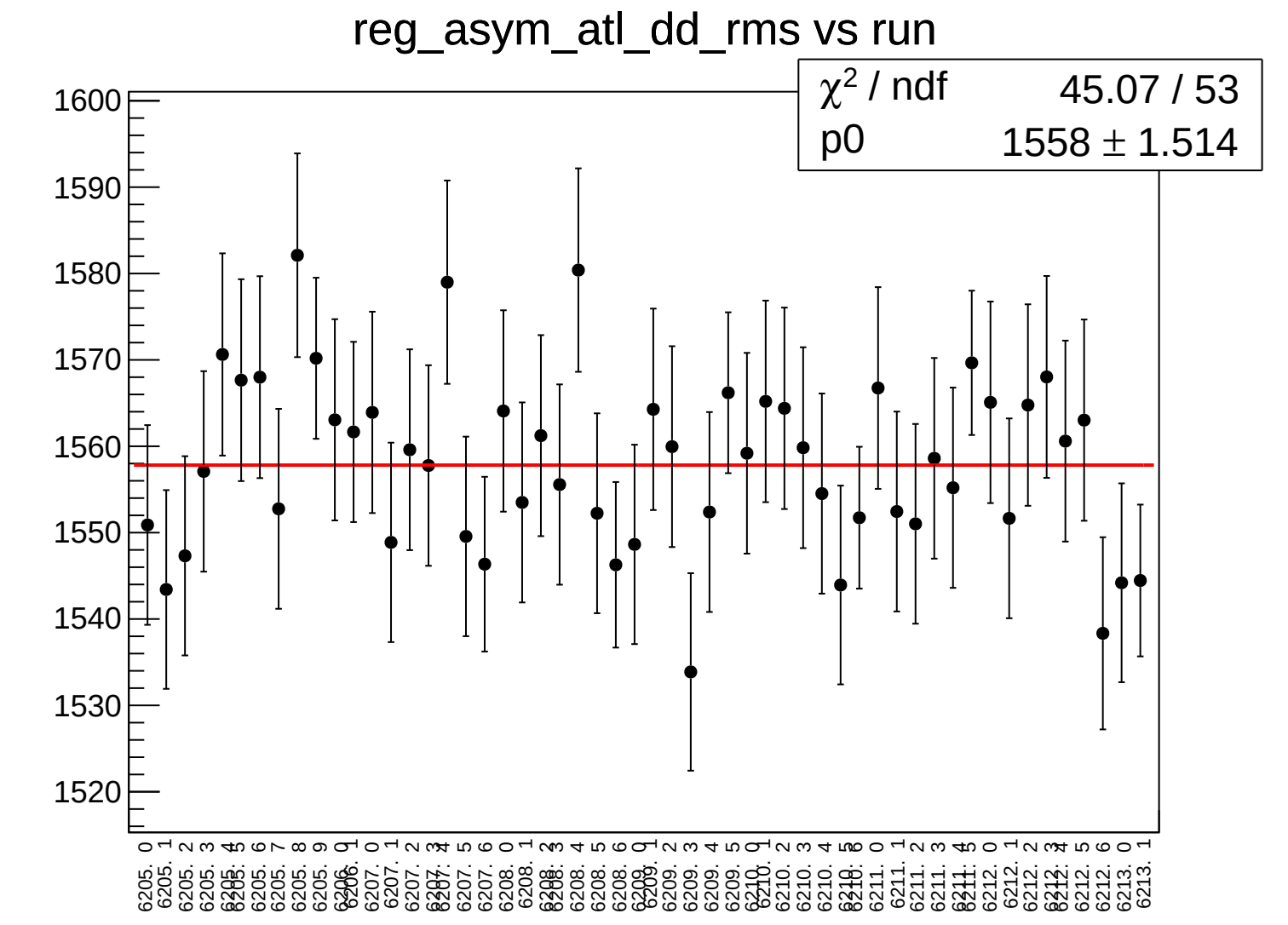
6213. 1


reg_asym_atl_dd_mean vs run
χ² / ndf 58.88 / 53
p0 3602 ± 2140
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean −174
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3


pull1D
Entries 54
Mean 0.01195
Std Dev 1.044
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_atl_dd_rms vs run
χ² / ndf 45.07 / 53
p0 1558 ± 1.514
1600
1590
1580
1570
1560
1550
1540
1530
1520
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
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6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
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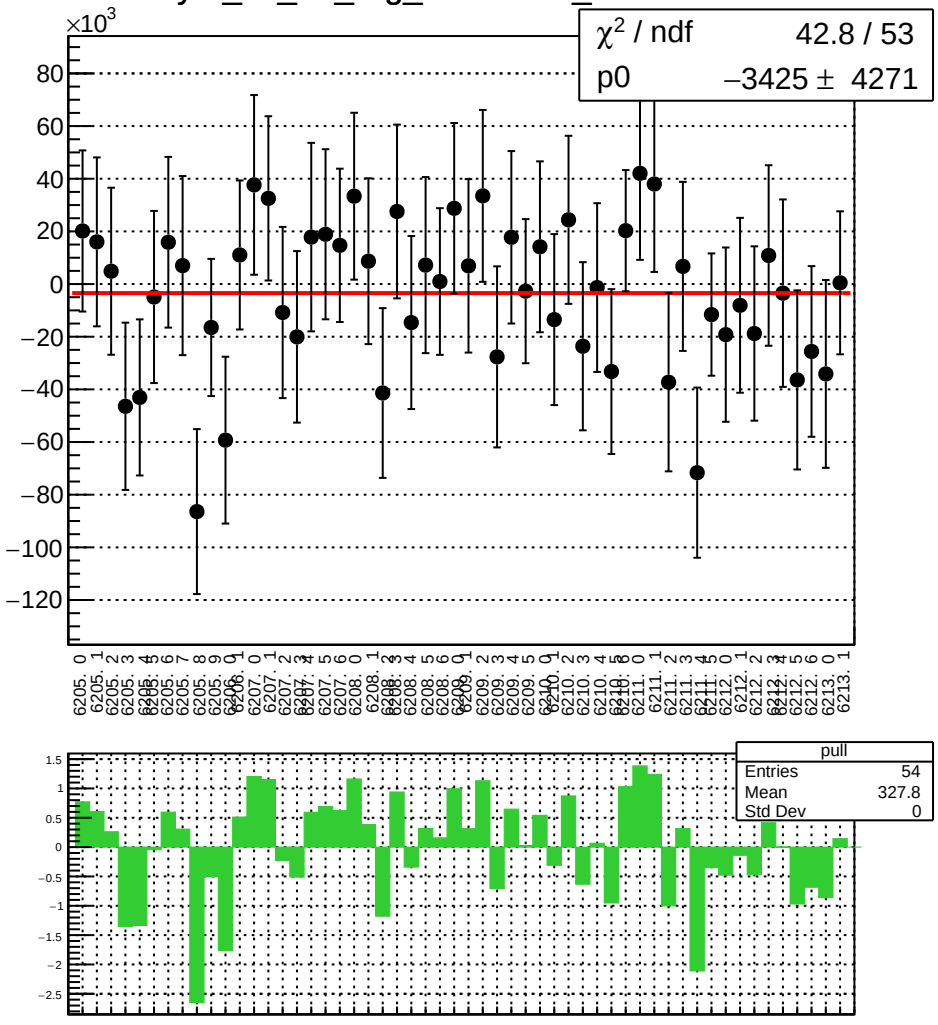
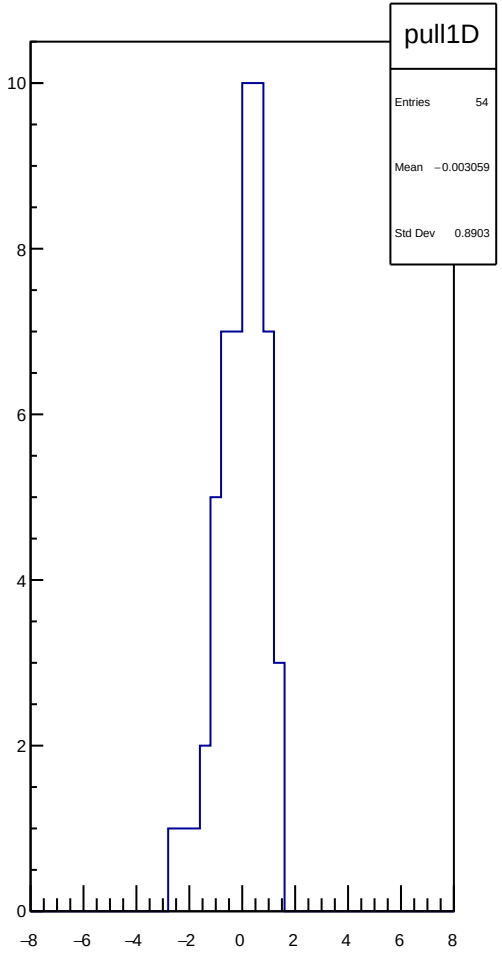
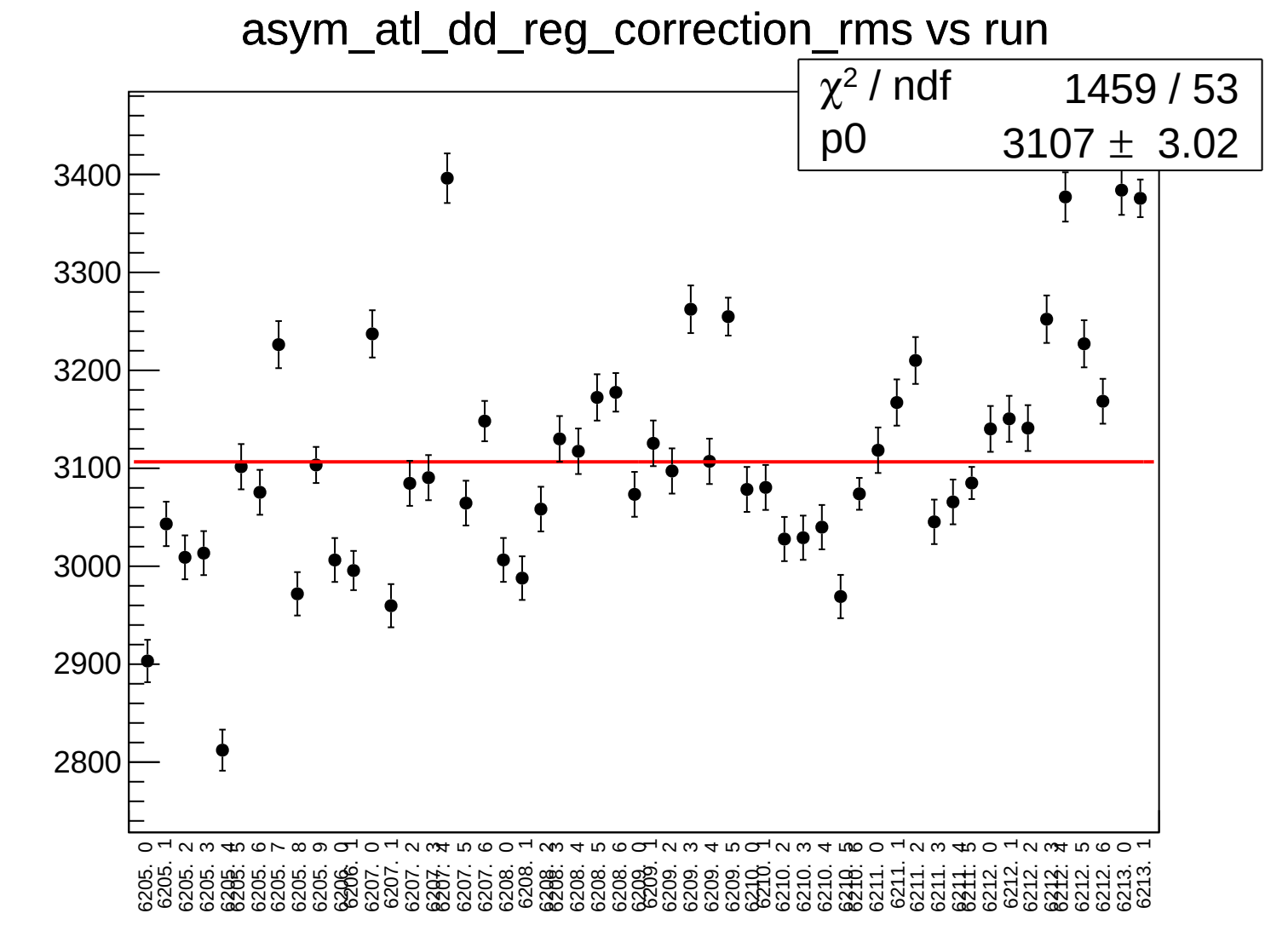

asym_atl_dd_reg_correction_mean vs run
×10^3
χ² / ndf 42.8 / 53
p0 −3425 ± 4271
pull
Entries 54
Mean 327.8
Std Dev 0


pull1D
Entries 54
Mean −0.003059
Std Dev 0.8903


asym_atl_dd_reg_correction_rms vs run
χ² / ndf 1459 / 53
p0 3107 ± 3.02
3400
3300
3200
3100
3000
2900
2800
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
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6209. 0
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6210. 0
6210. 1
6210. 2
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6210. 6
6211. 0
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6211. 2
6211. 3
6211. 4
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6212. 2
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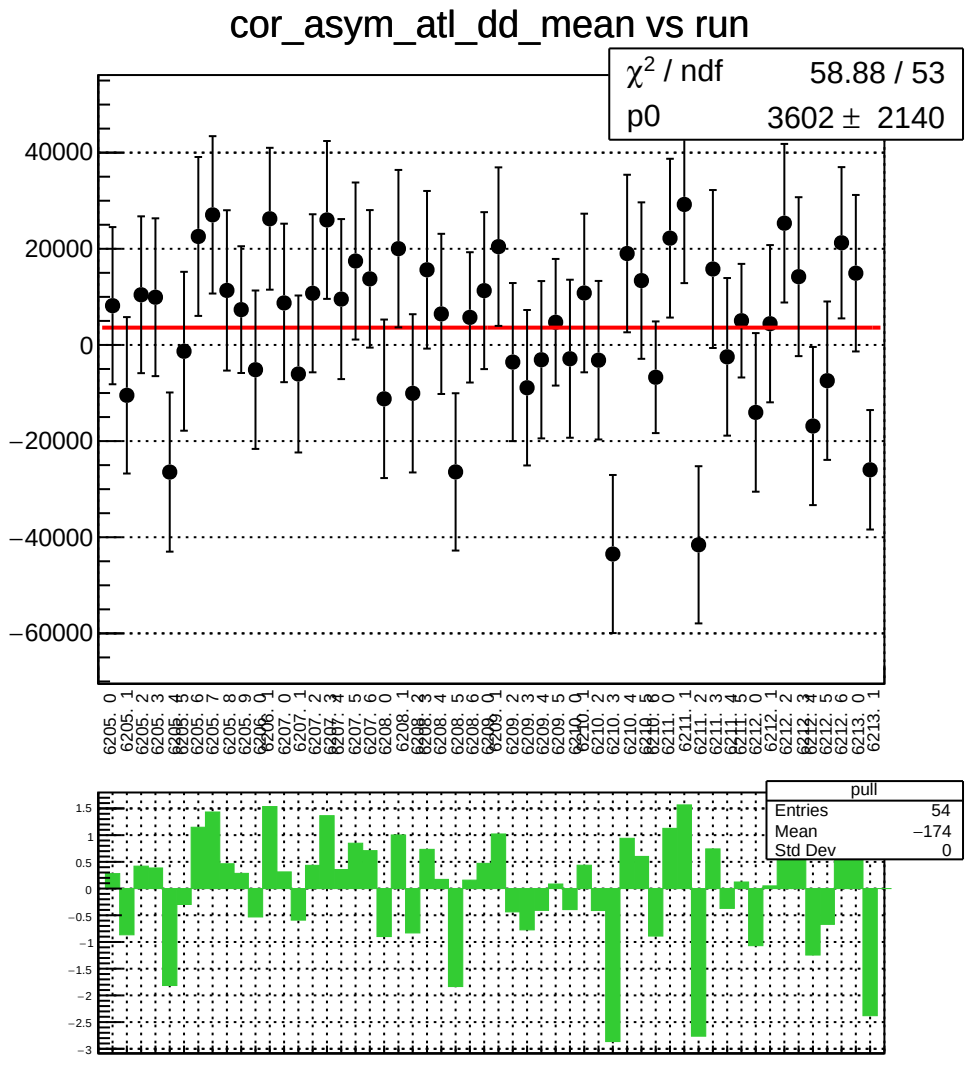
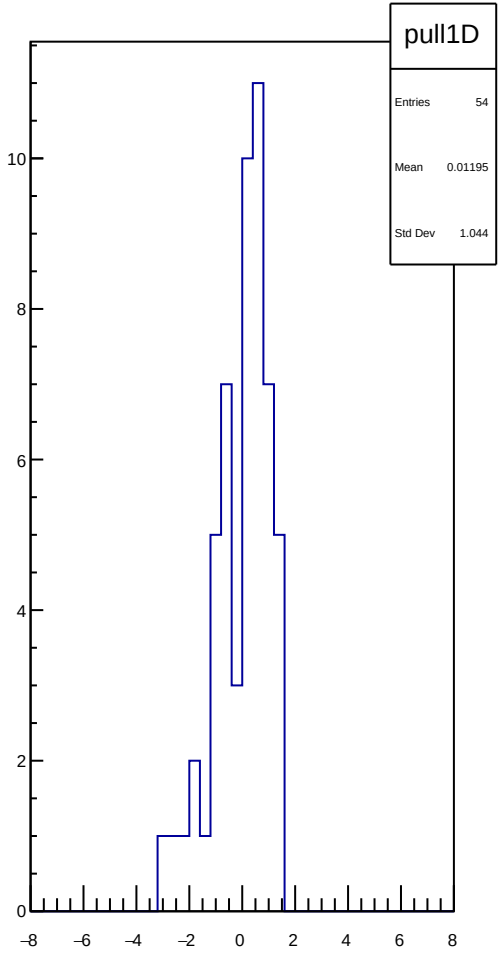
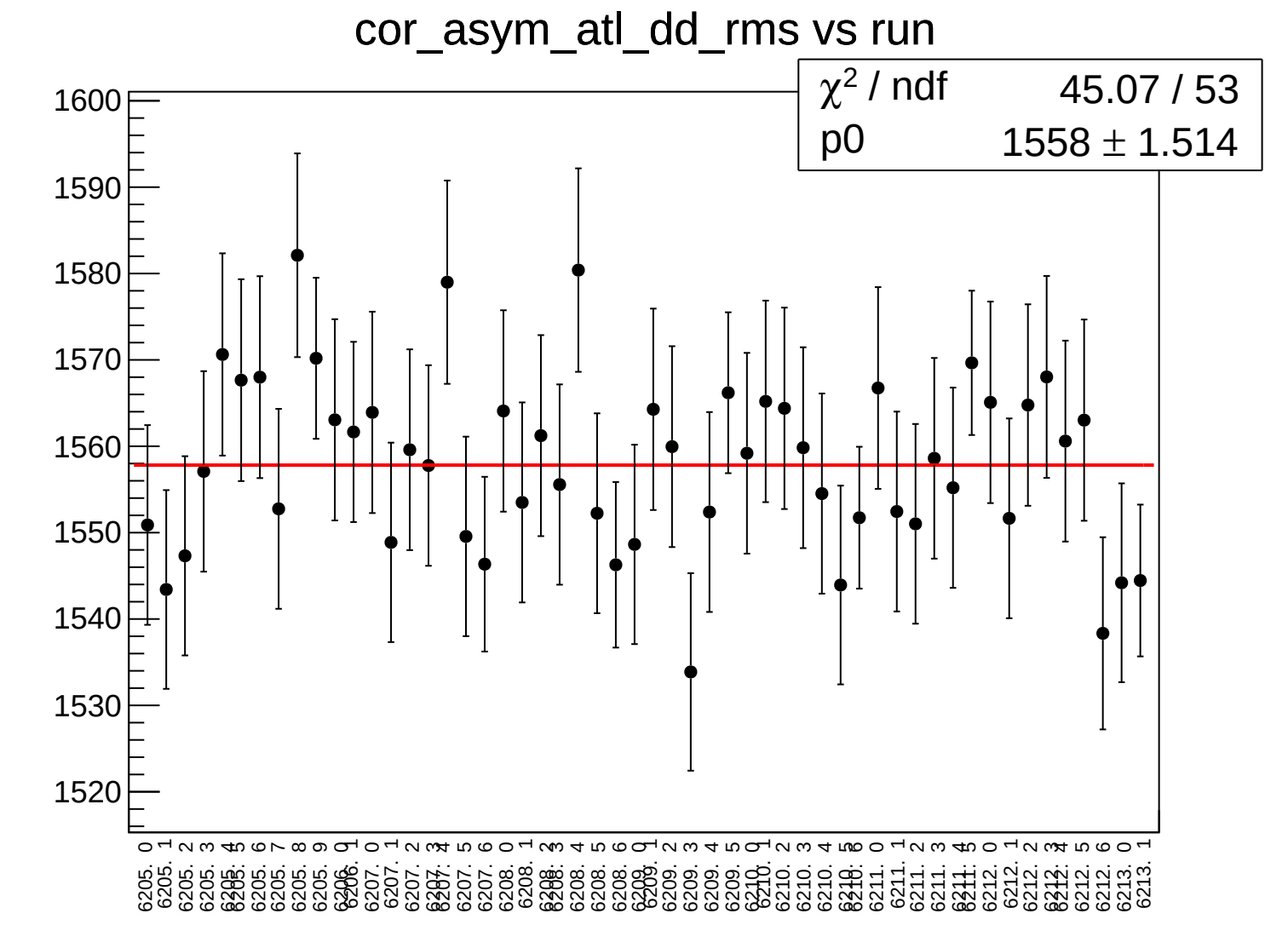
6212. 6
6213. 0
6213. 1


cor_asym_atl_dd_mean vs run
χ² / ndf 58.88 / 53
p0 3602 ± 2140
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean −174
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3


pull1D
Entries 54
Mean 0.01195
Std Dev 1.044
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_atl_dd_rms vs run
χ² / ndf 45.07 / 53
p0 1558 ± 1.514
1600
1590
1580
1570
1560
1550
1540
1530
1520
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
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6207. 2
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6208. 0
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6209. 2
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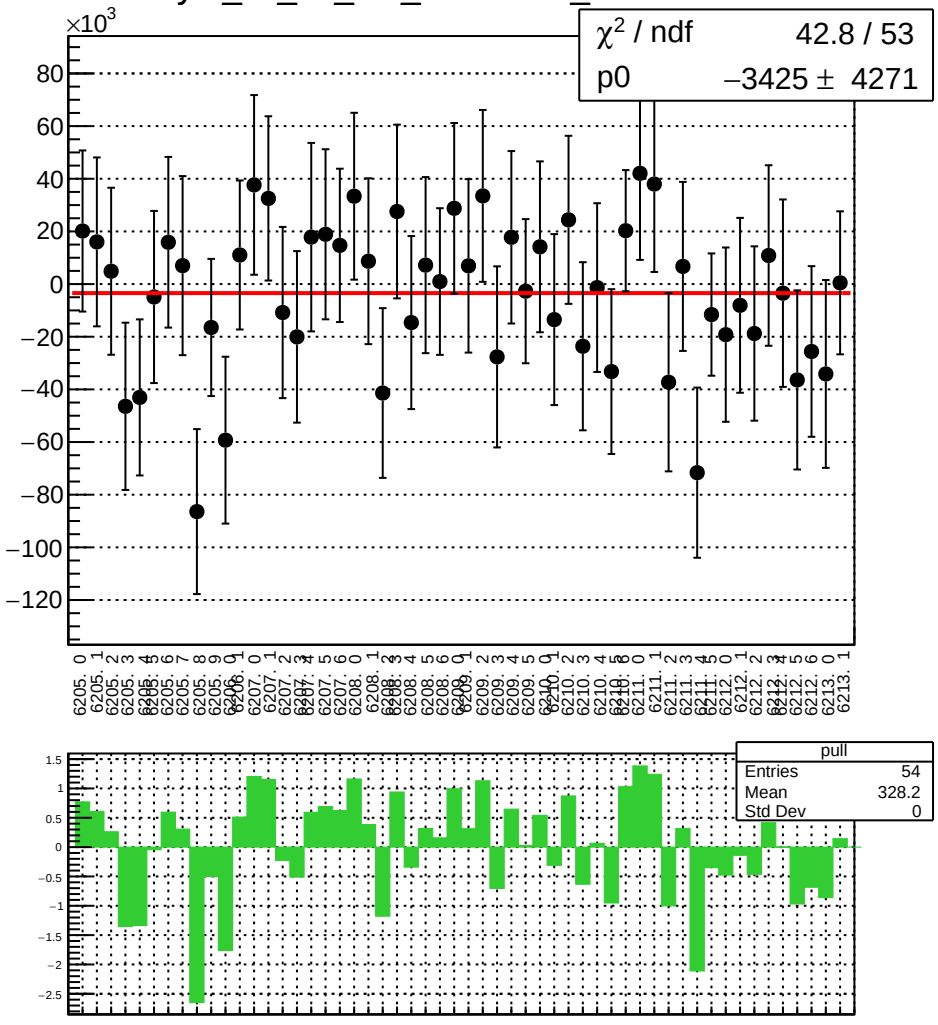
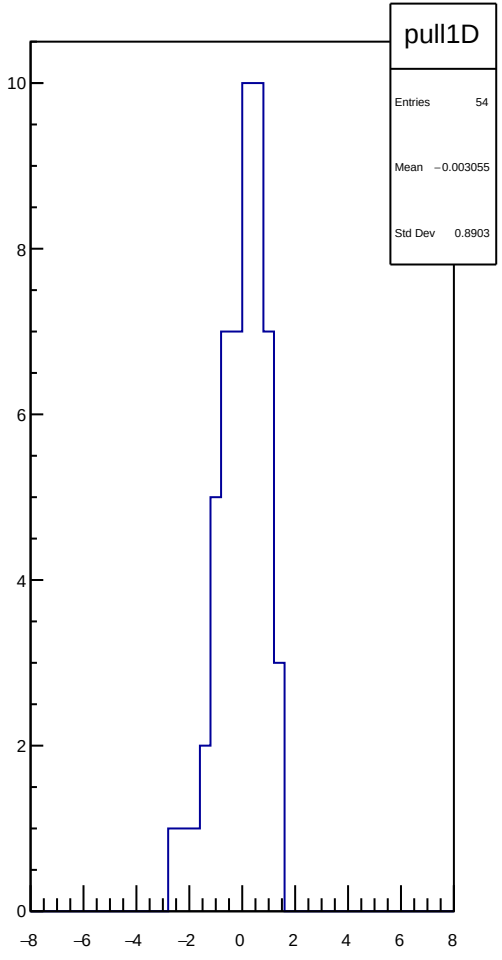
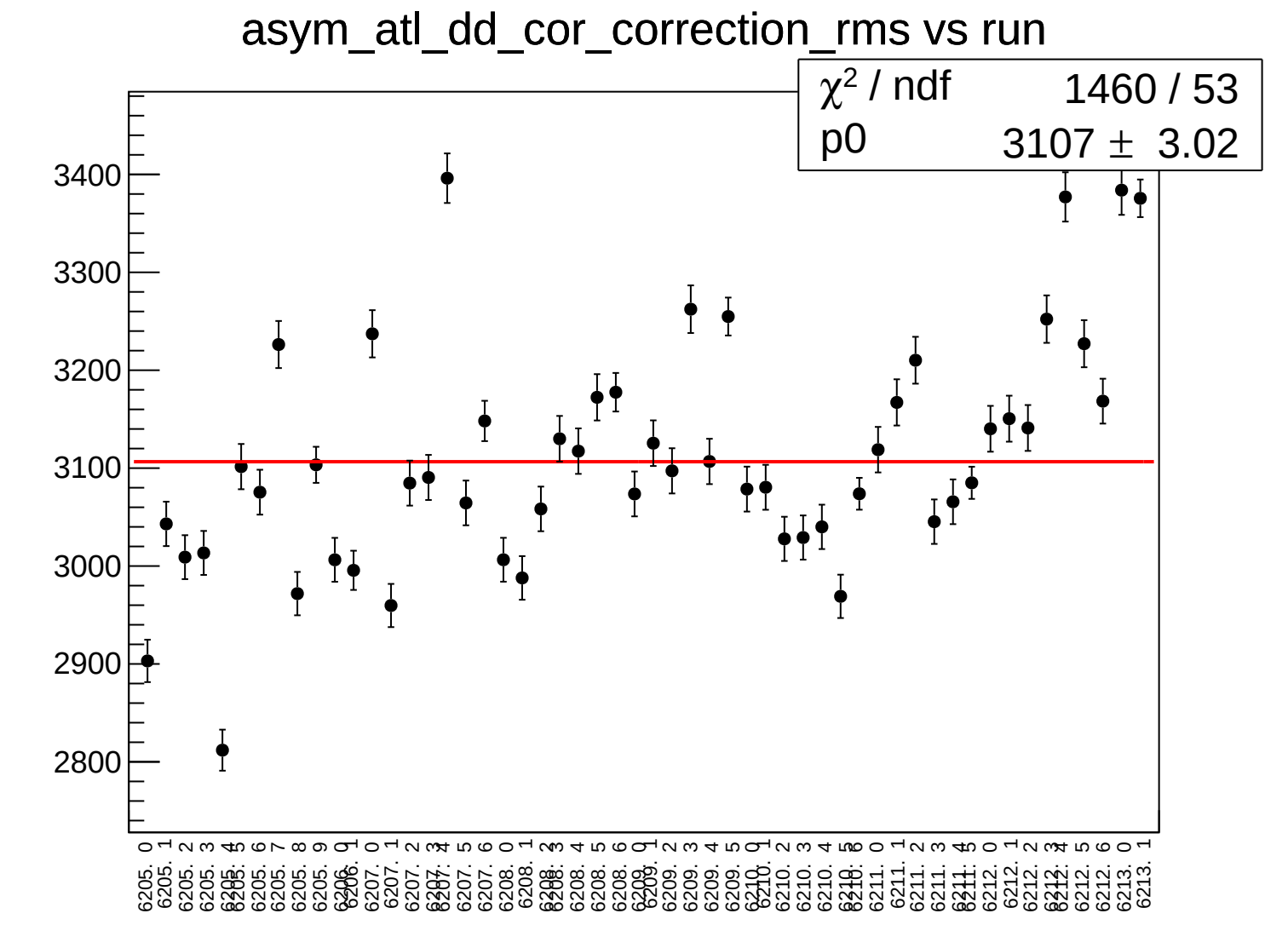
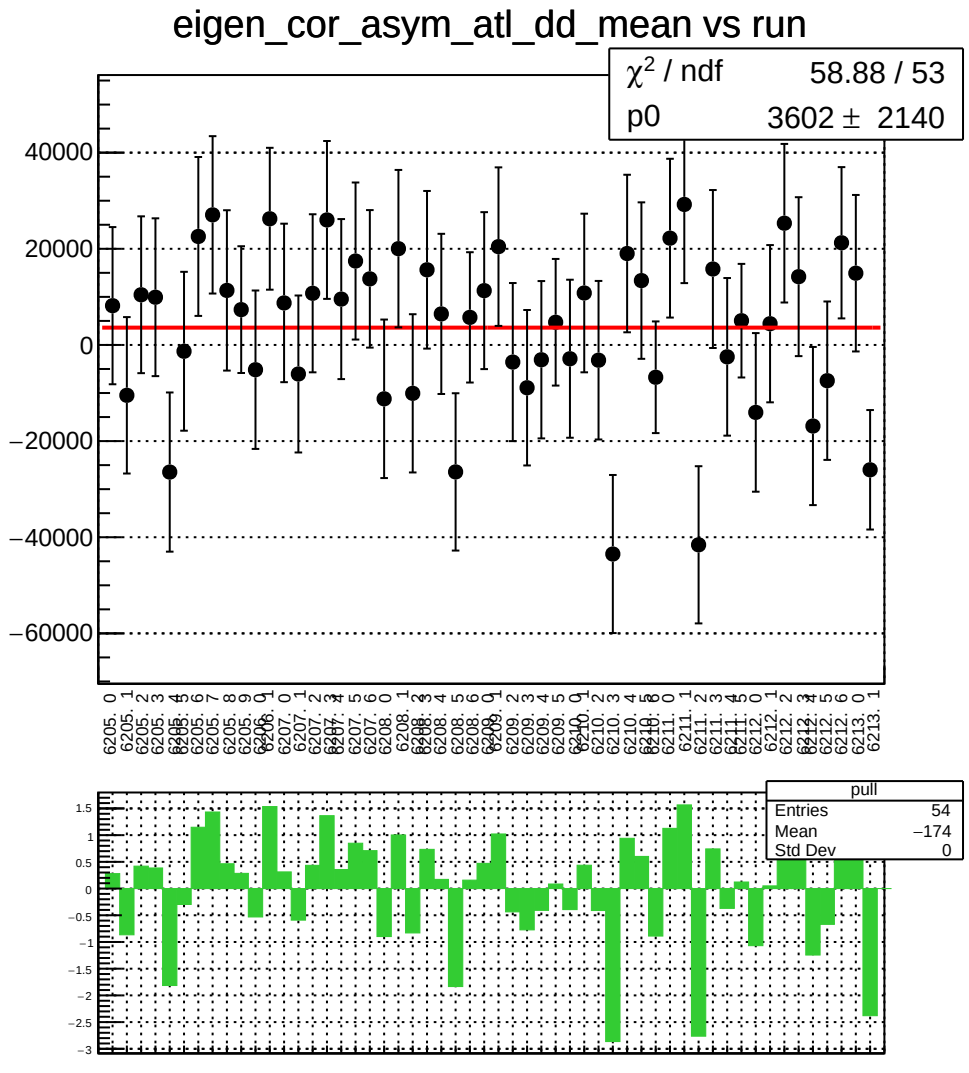
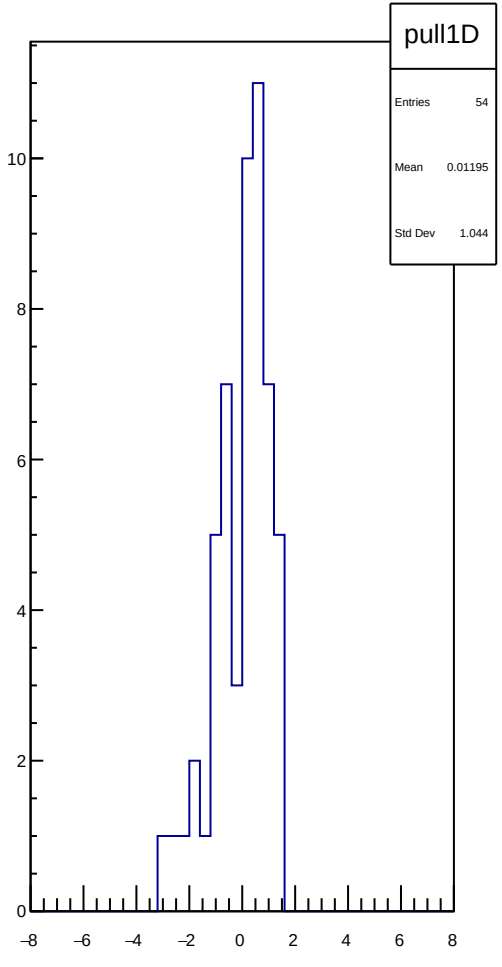
6213. 1

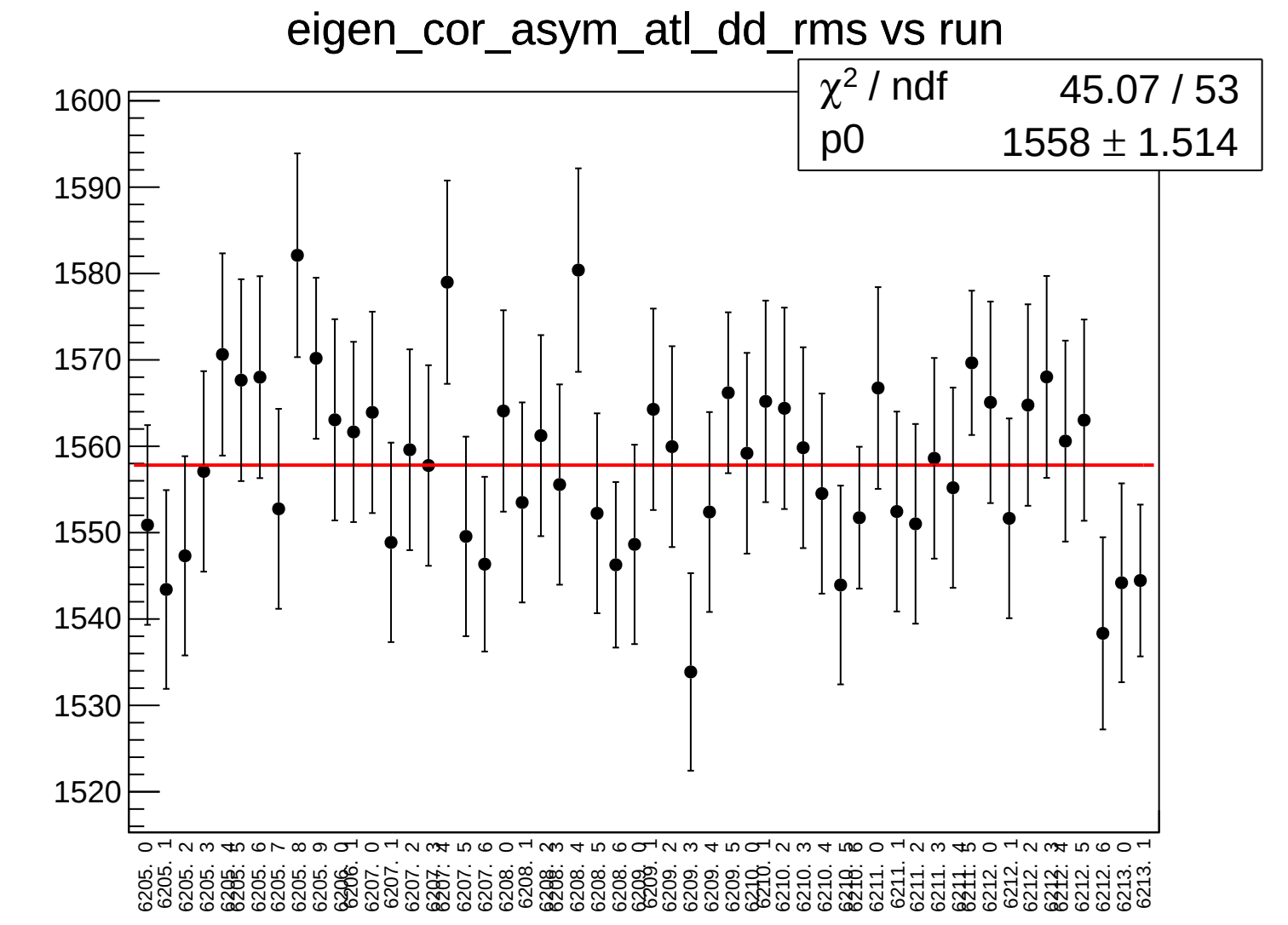

asym_atl_dd_cor_correction_mean vs run
χ² / ndf 42.8 / 53
p0 −3425 ± 4271
×10³
pull
Entries 54
Mean 328.2
Std Dev 0

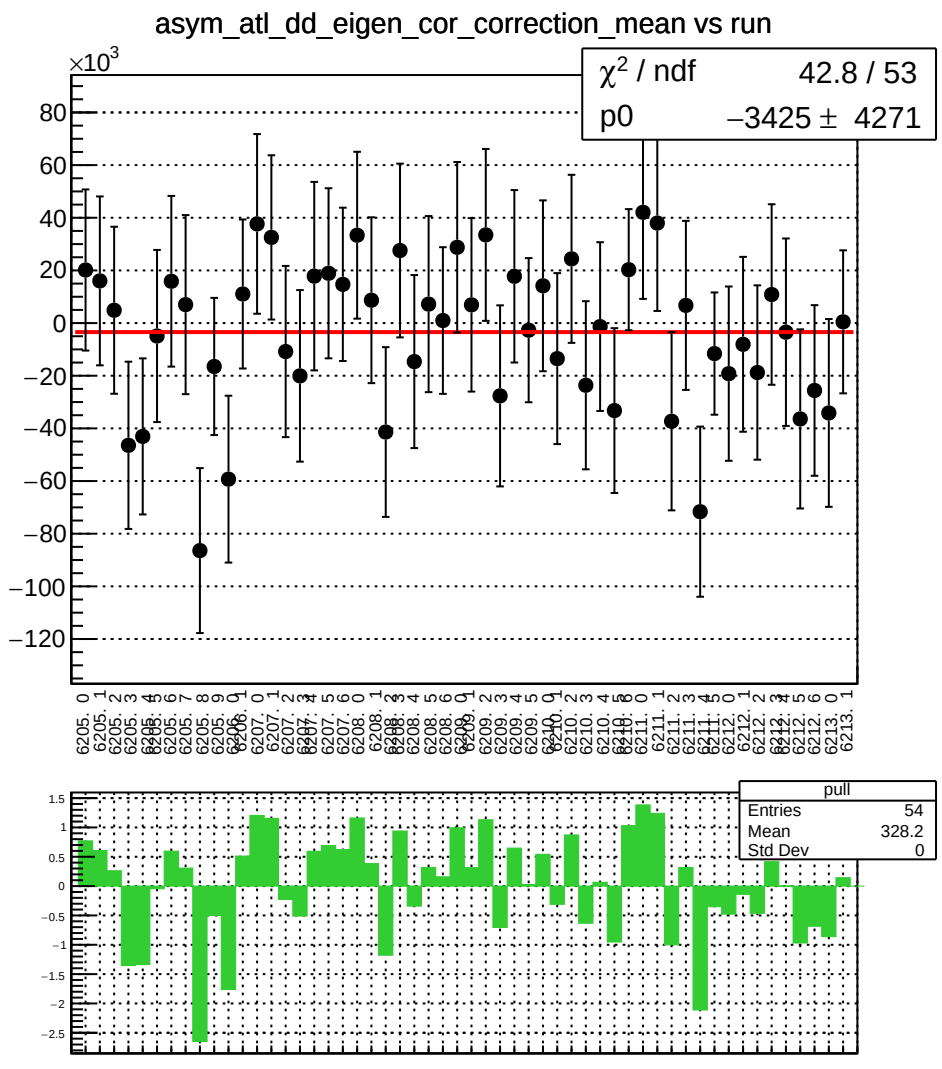

pull1D
Entries 54
Mean −0.003055
Std Dev 0.8903

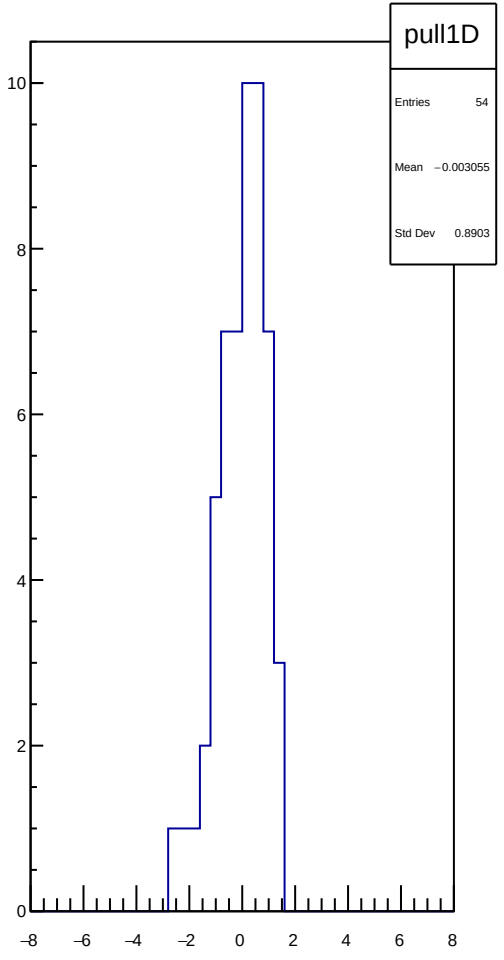

asym_atl_dd_cor_correction_rms vs run
χ² / ndf 1460 / 53
p0 3107 ± 3.02
3400
3300
3200
3100
3000
2900
2800
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

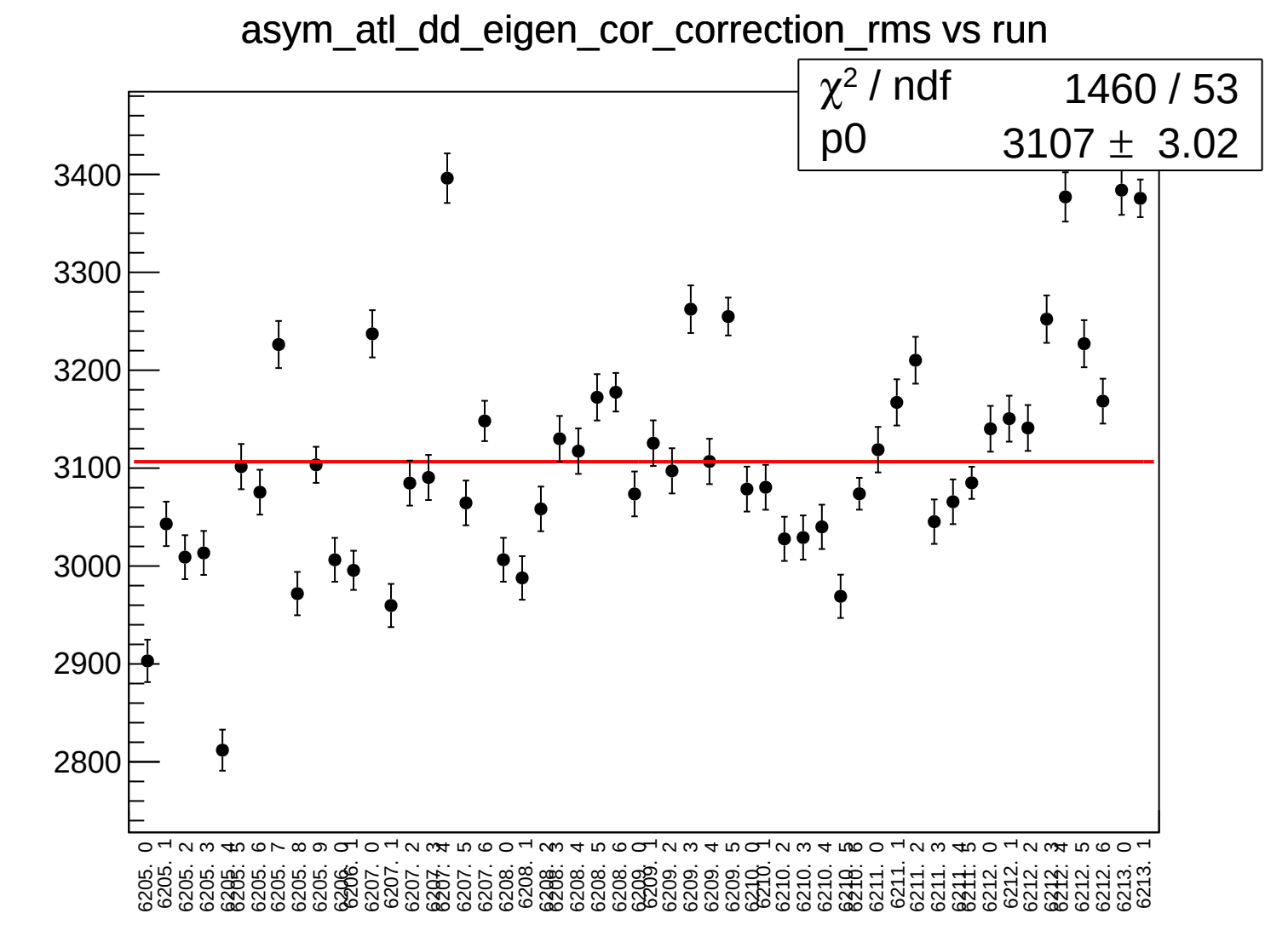

eigen_cor_asym_atl_dd_mean vs run
χ² / ndf 58.88 / 53
p0 3602 ± 2140
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean −174
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3

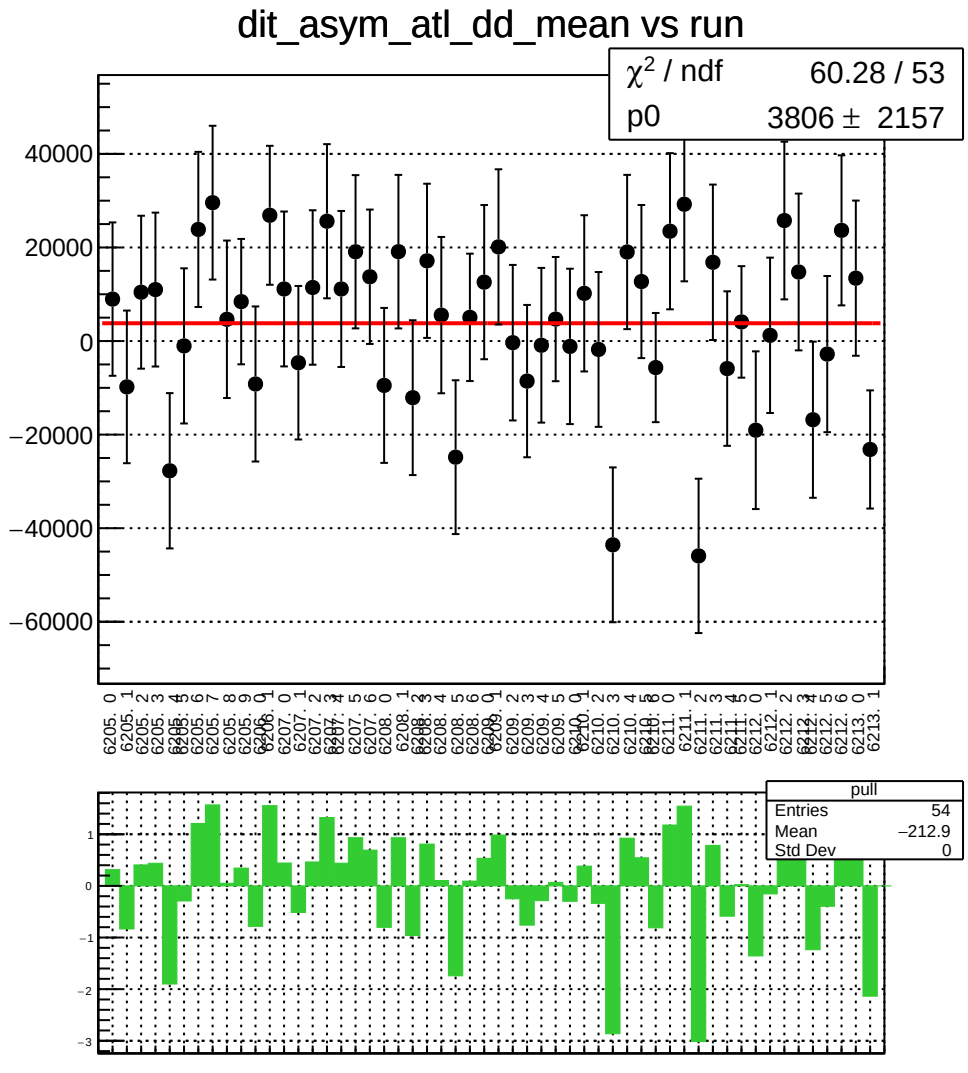

pull1D
Entries 54
Mean 0.01195
Std Dev 1.044
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

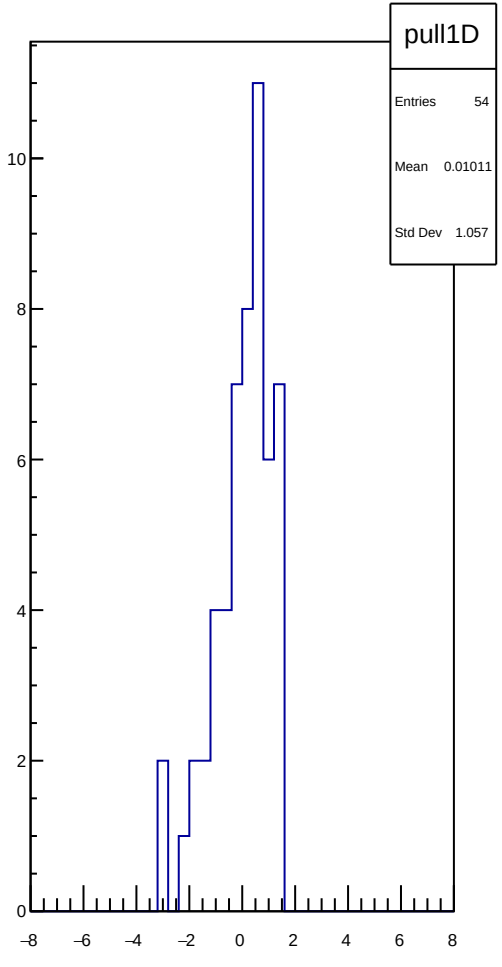

eigen_cor_asym_atl_dd_rms vs run
χ² / ndf 45.07 / 53
p0 1558 ± 1.514
1600
1590
1580
1570
1560
1550
1540
1530
1520
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

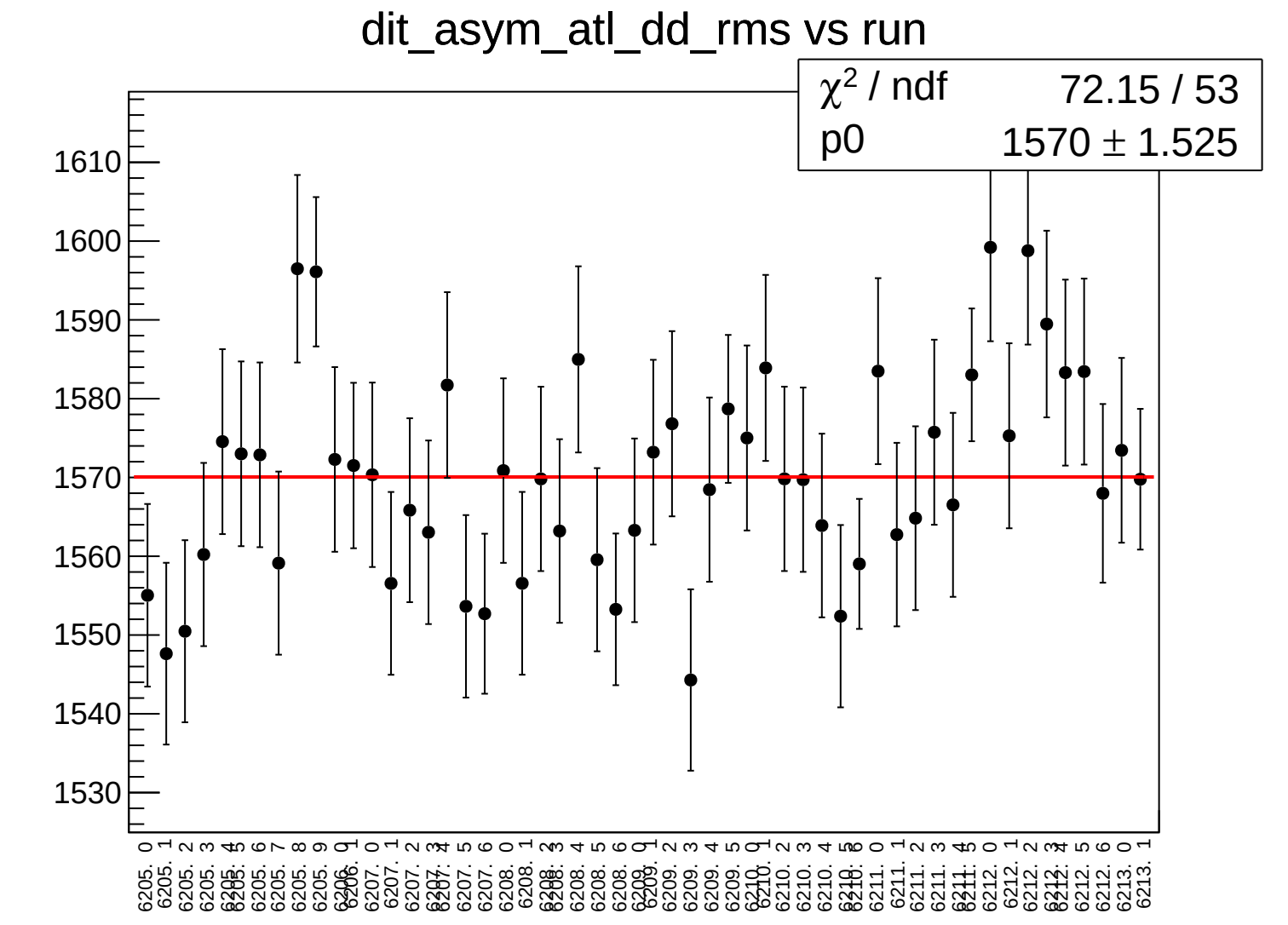

asym_atl_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 42.8 / 53
p0 −3425 ± 4271
pull
Entries 54
Mean 328.2
Std Dev 0

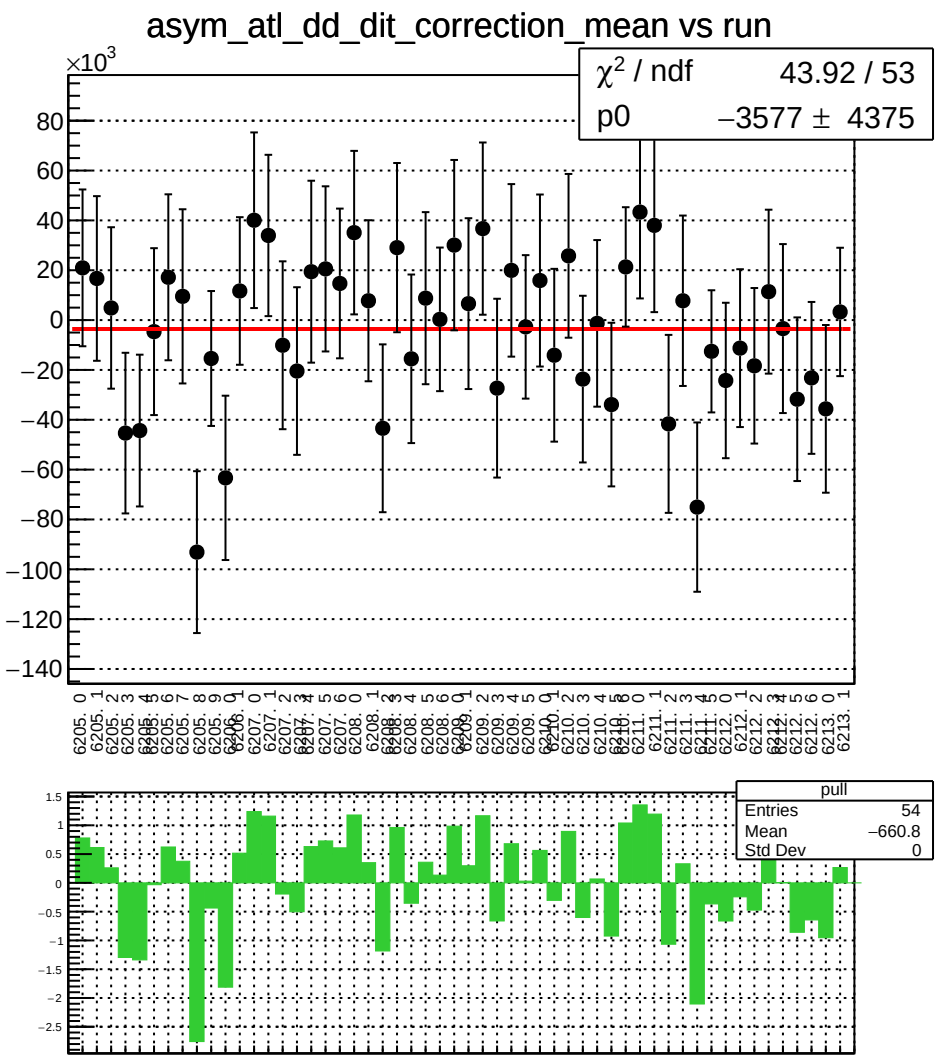

pull1D
Entries 54
Mean −0.003055
Std Dev 0.8903

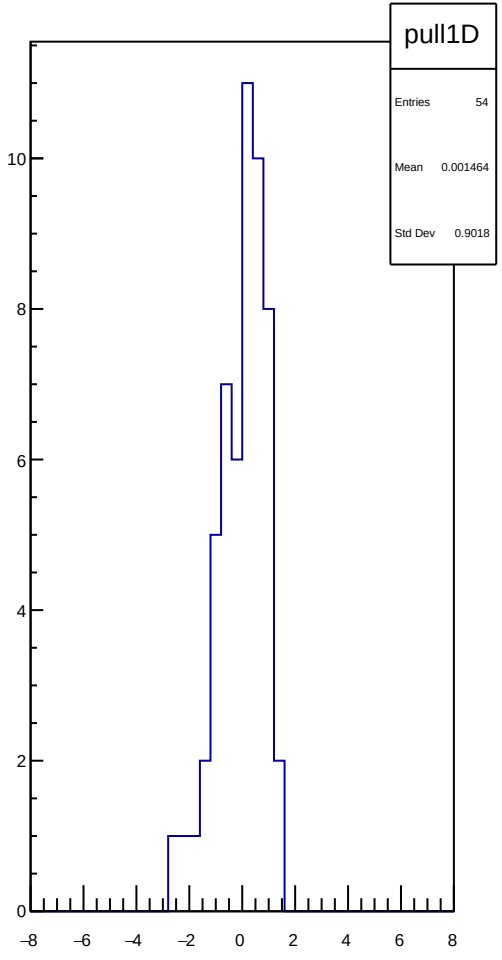

asym_atl_dd_eigen_cor_correction_rms vs run
χ² / ndf 1460 / 53
p0 3107 ± 3.02
3400
3300
3200
3100
3000
2900
2800
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

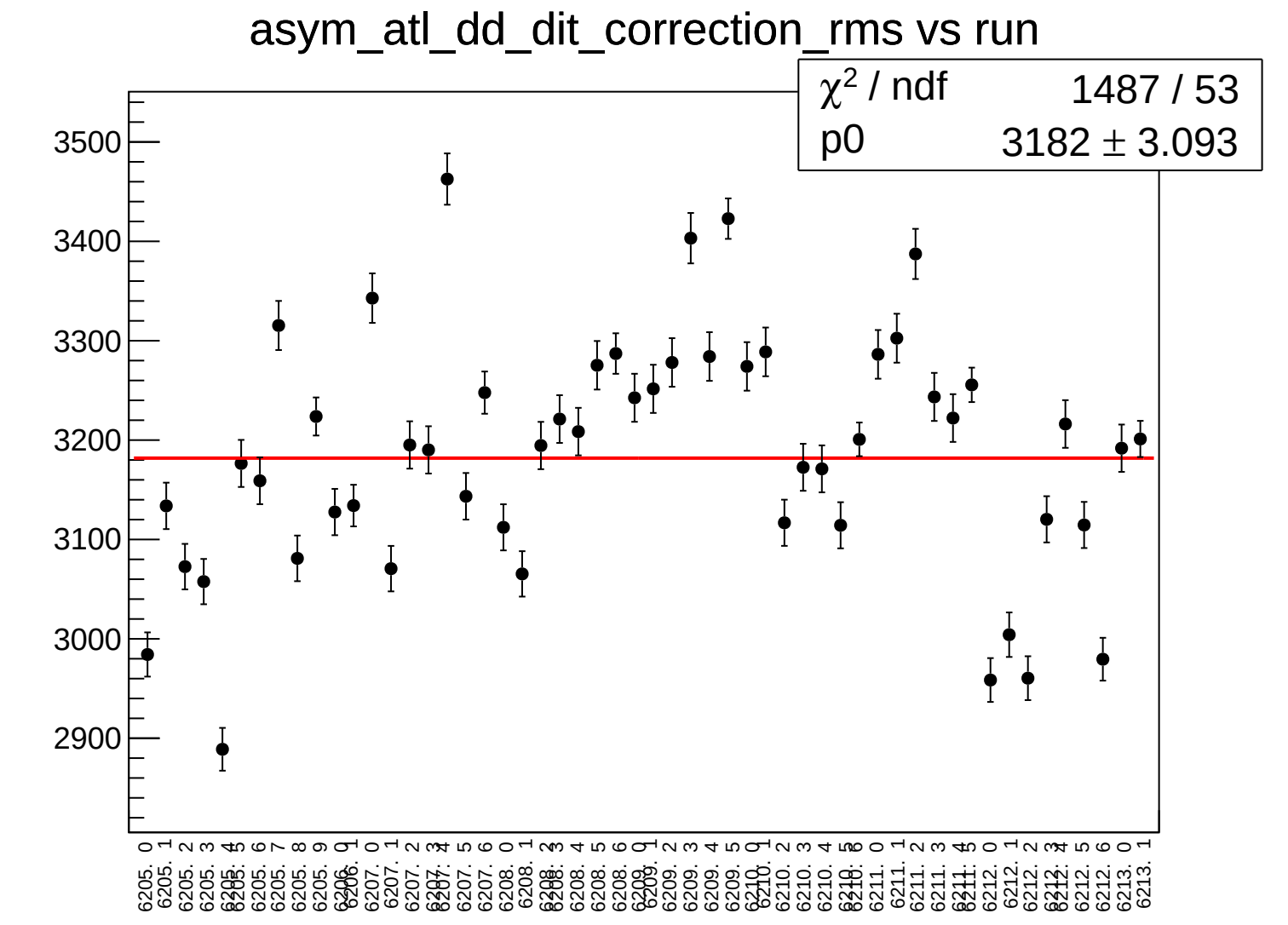

dit_asym_atl_dd_mean vs run
χ² / ndf 60.28 / 53
p0 3806 ± 2157
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean −212.9
Std Dev 0
1
0
−1
−2
−3

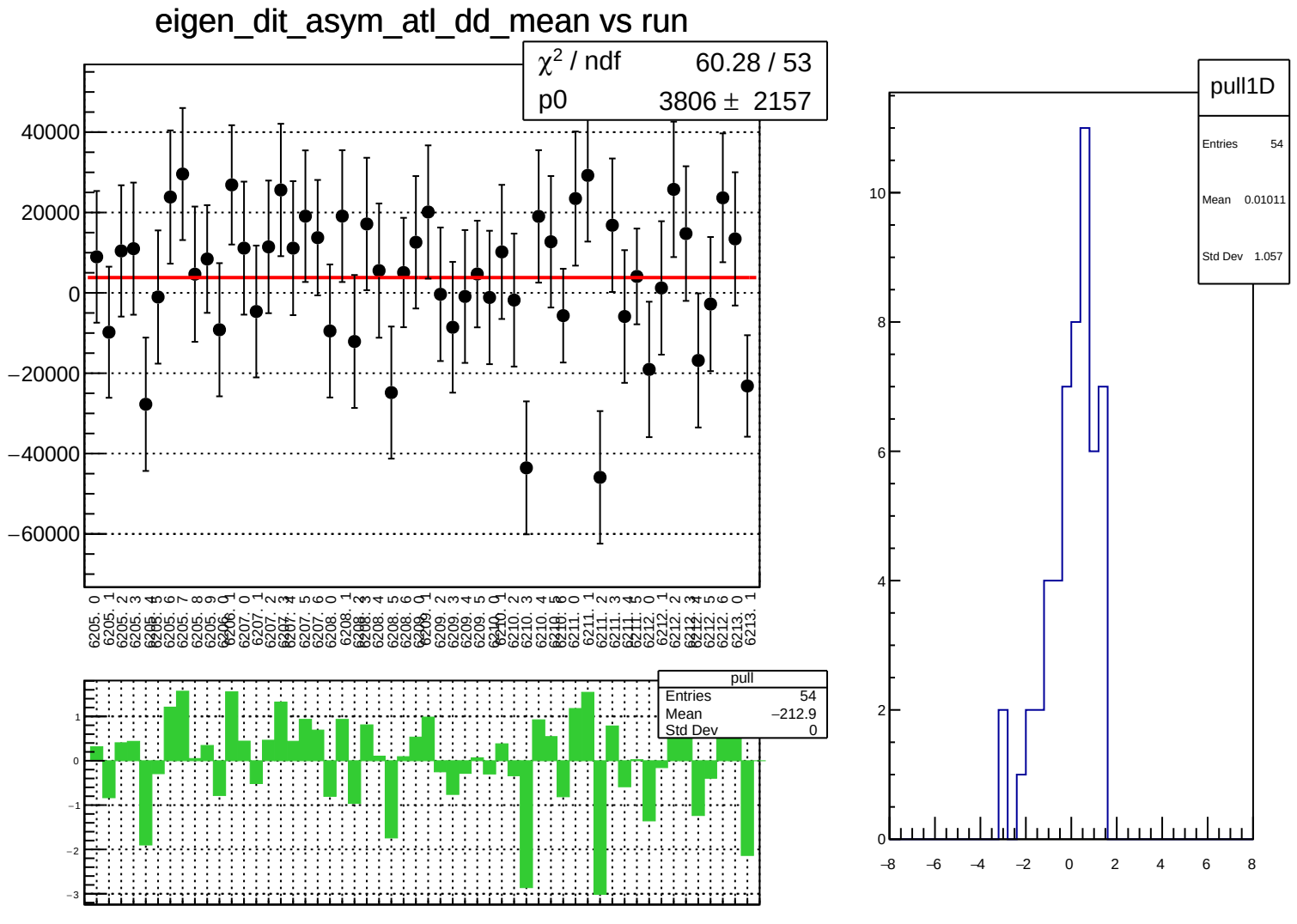

pull1D
Entries 54
Mean 0.01011
Std Dev 1.057
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

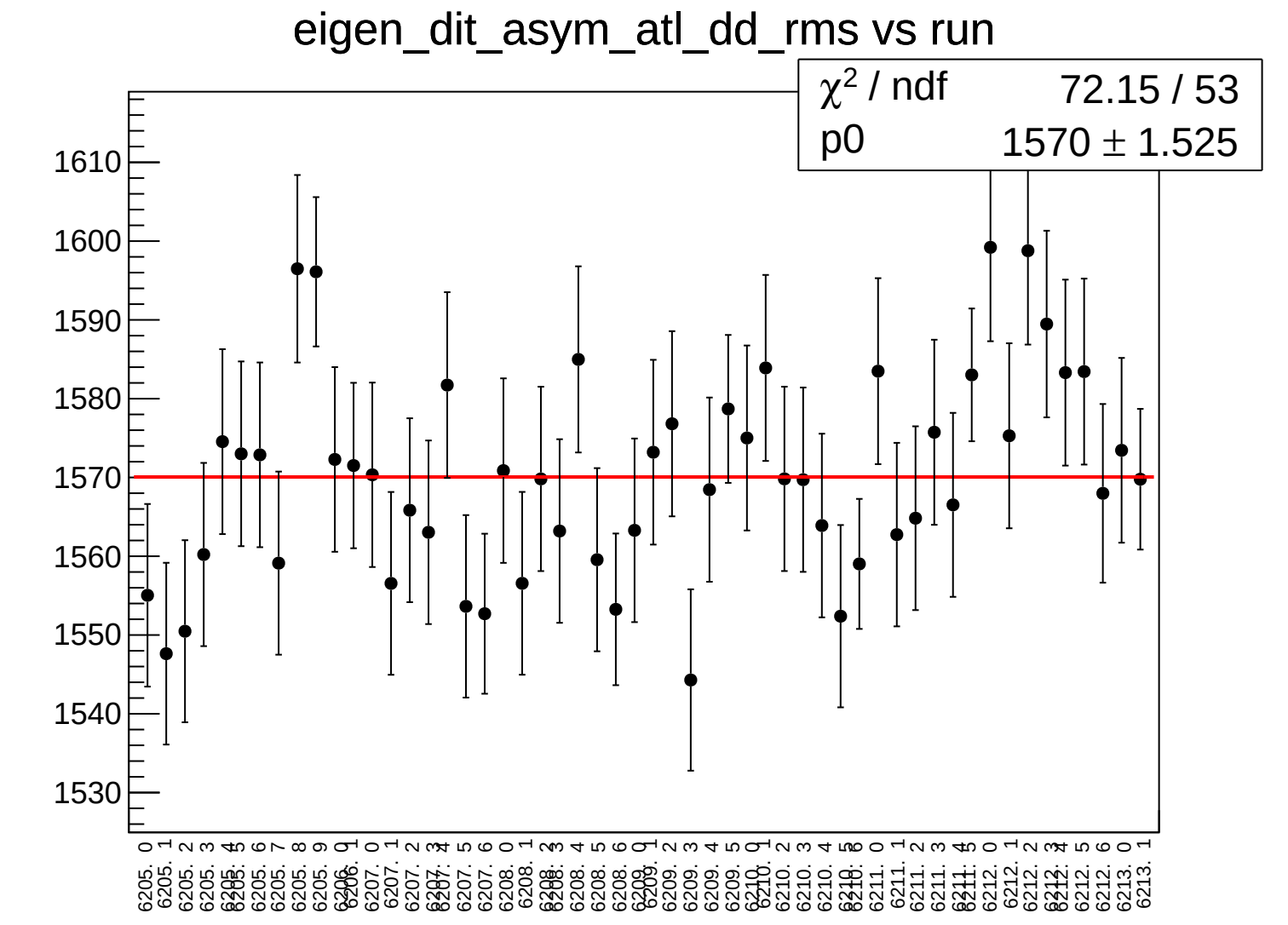

dit_asym_atl_dd_rms vs run
χ² / ndf 72.15 / 53
p0 1570 ± 1.525
1610
1600
1590
1580
1570
1560
1550
1540
1530
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6209. 6
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

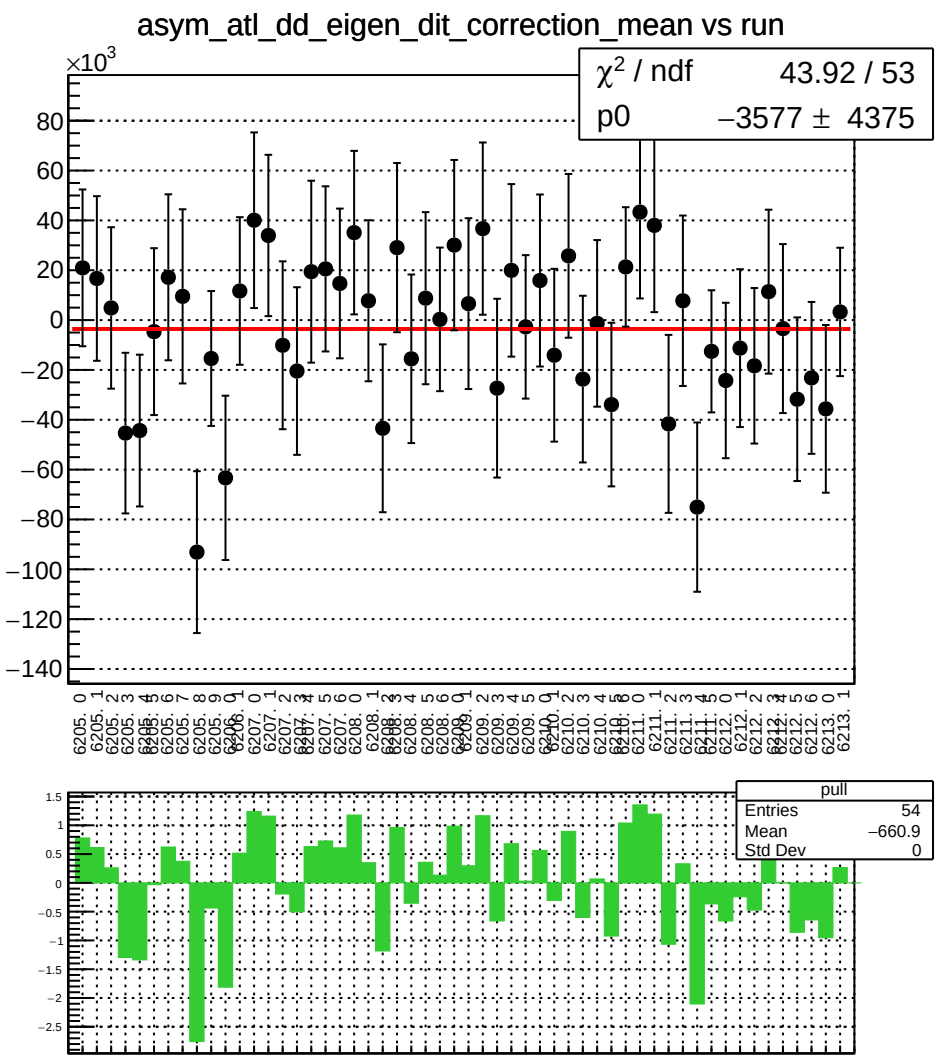

asym_atl_dd_dit_correction_mean vs run
×10^3
χ² / ndf 43.92 / 53
p0 −3577 ± 4375
pull
Entries 54
Mean −660.8
Std Dev 0

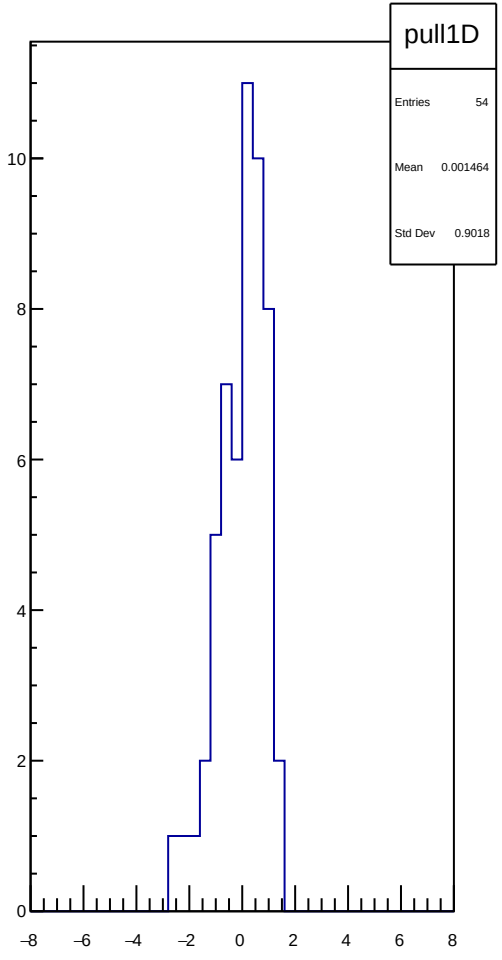

pull1D
Entries 54
Mean 0.001464
Std Dev 0.9018

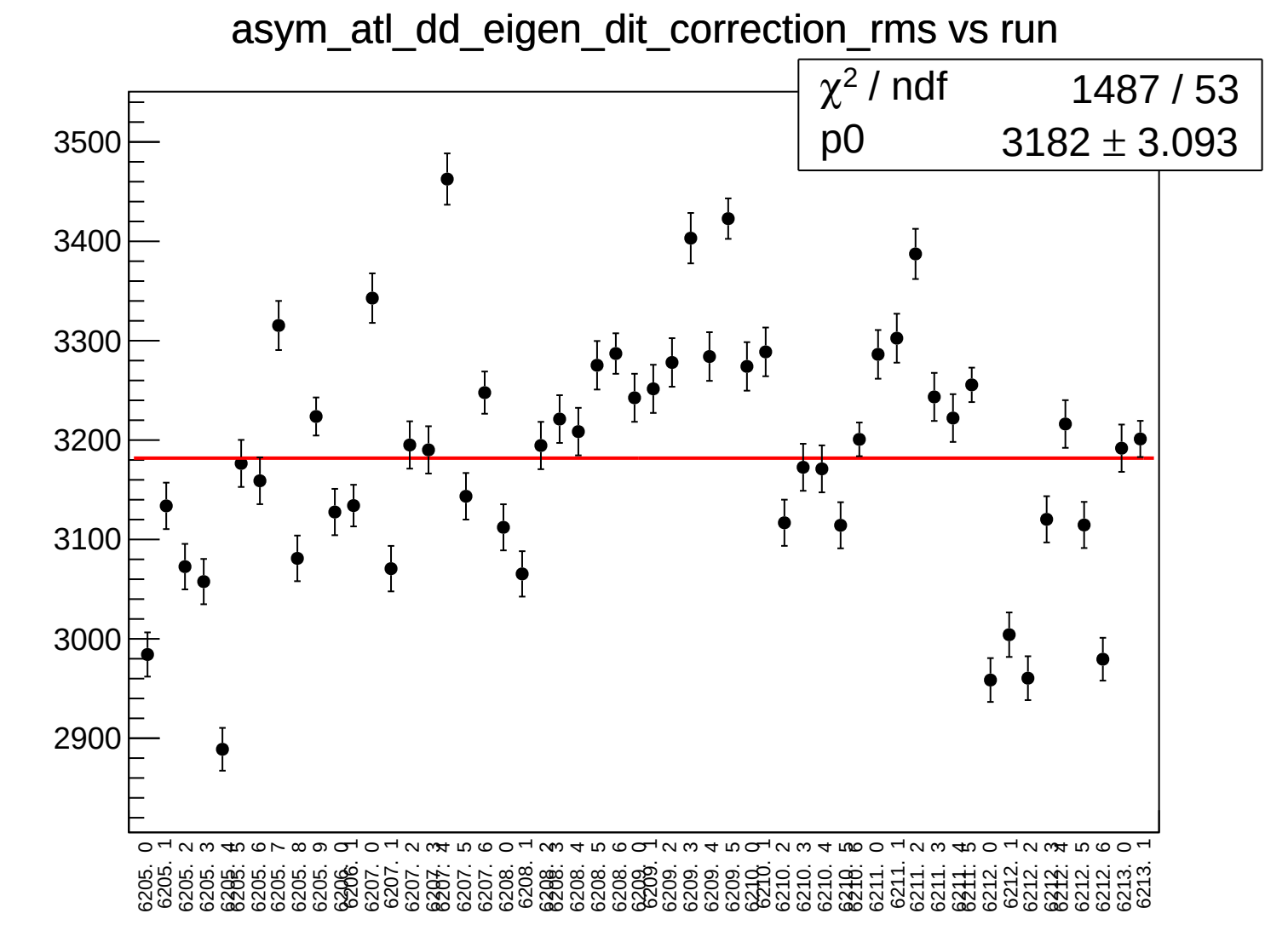

asym_atl_dd_dit_correction_rms vs run
χ² / ndf 1487 / 53
p0 3182 ± 3.093
3500
3400
3300
3200
3100
3000
2900
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


eigen_dit_asym_atl_dd_mean vs run
χ² / ndf 60.28 / 53
p0 3806 ± 2157
pull
Entries 54
Mean −212.9
Std Dev 0
pull1D
Entries 54
Mean 0.01011
Std Dev 1.057


eigen_dit_asym_atl_dd_rms vs run
χ² / ndf 72.15 / 53
p0 1570 ± 1.525
1610
1600
1590
1580
1570
1560
1550
1540
1530
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_atl_dd_eigen_dit_correction_mean vs run
×10^3
χ^2 / ndf 43.92 / 53
p0 −3577 ± 4375
pull
Entries 54
Mean −660.9
Std Dev 0


pull1D
Entries 54
Mean 0.001464
Std Dev 0.9018


asym_atl_dd_eigen_dit_correction_rms vs run
χ² / ndf 1487 / 53
p0 3182 ± 3.093
3500
3400
3300
3200
3100
3000
2900
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
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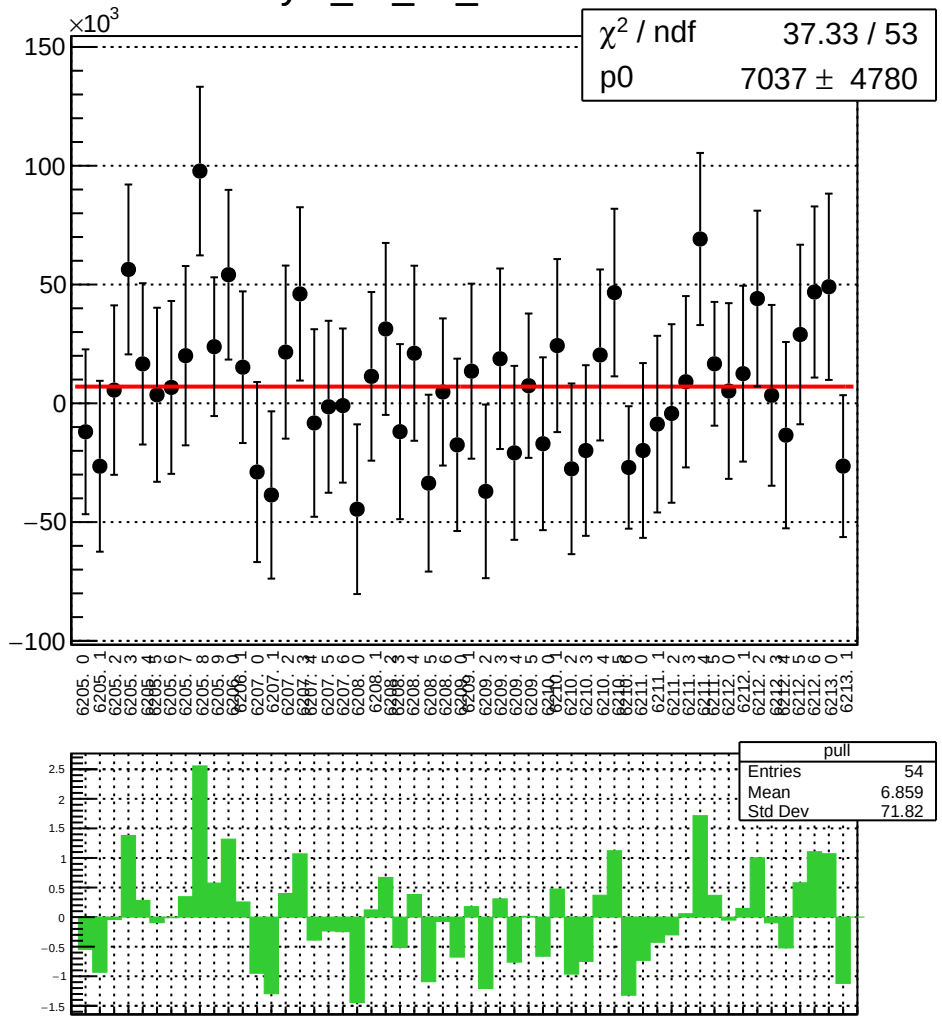
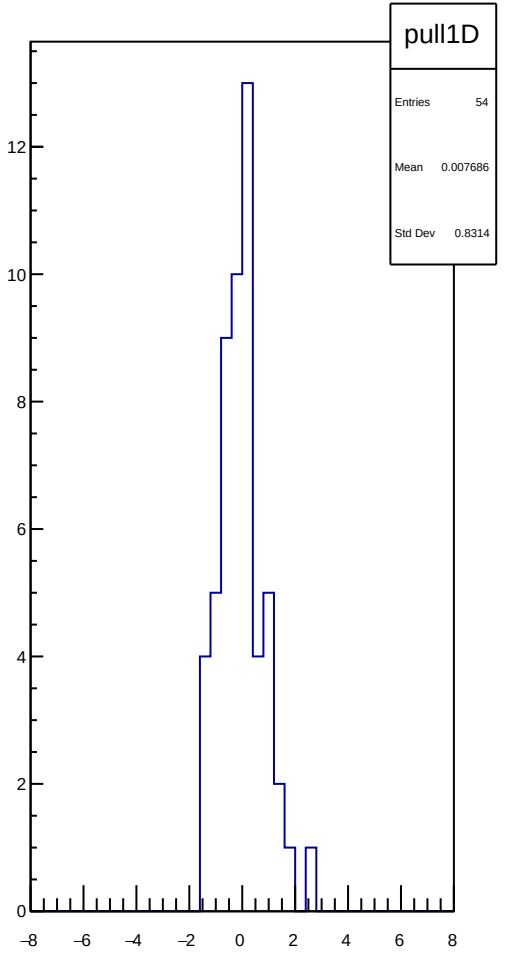
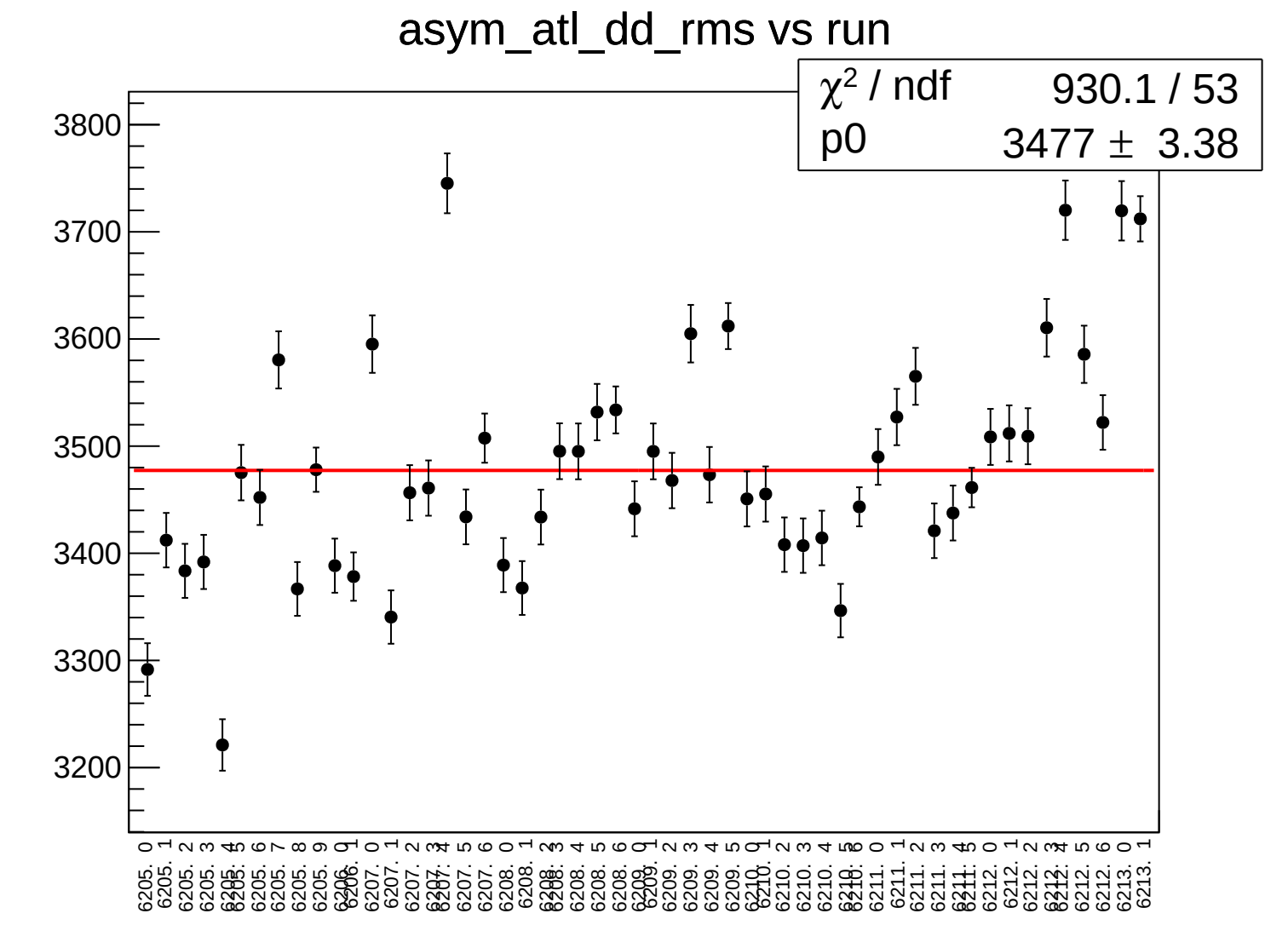
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_atl_dd_mean vs run
×10^3
χ^2 / ndf 37.33 / 53
p0 7037 ± 4780
150
100
50
0
−50
−100
pull
Entries 54
Mean 6.859
Std Dev 71.82
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 54
Mean 0.007686
Std Dev 0.8314
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl_dd_rms vs run
χ² / ndf 930.1 / 53
p0 3477 ± 3.38
3800
3700
3600
3500
3400
3300
3200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
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6212. 1
6212. 2
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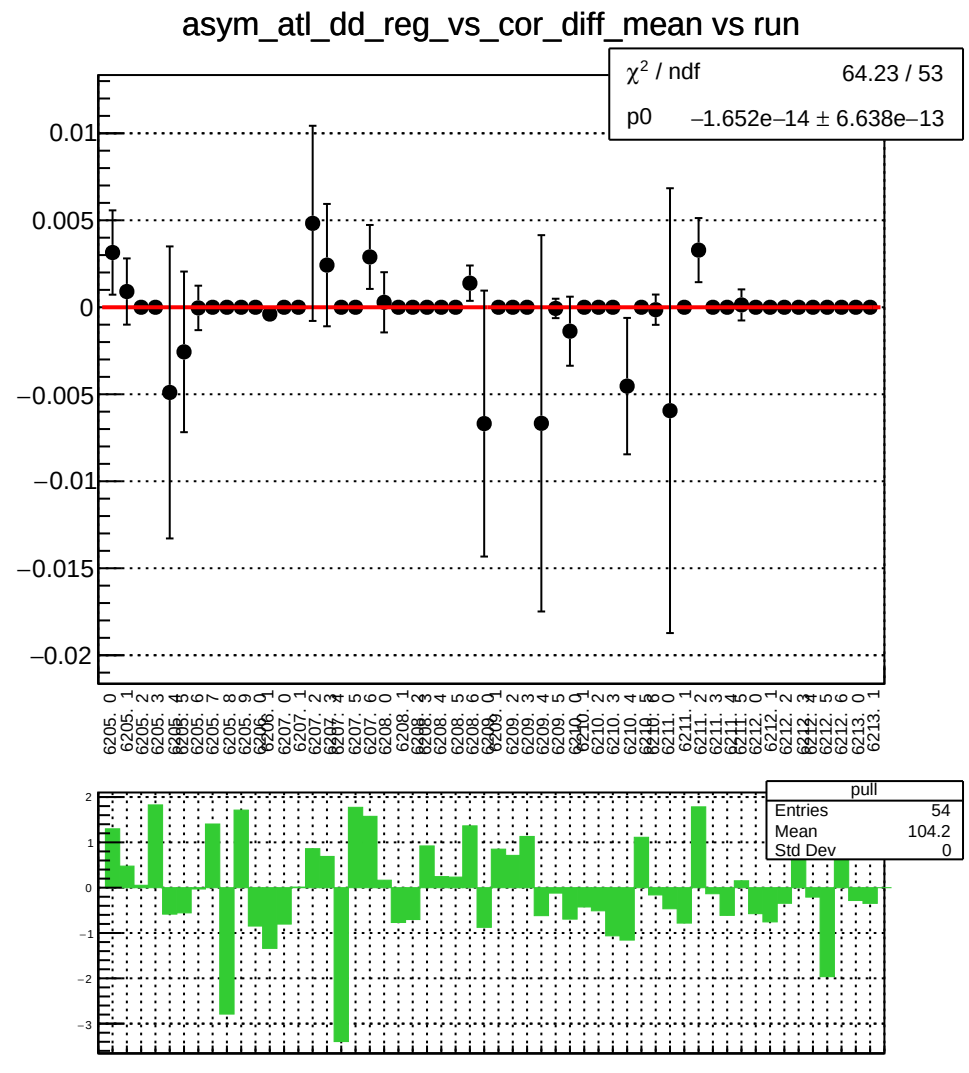
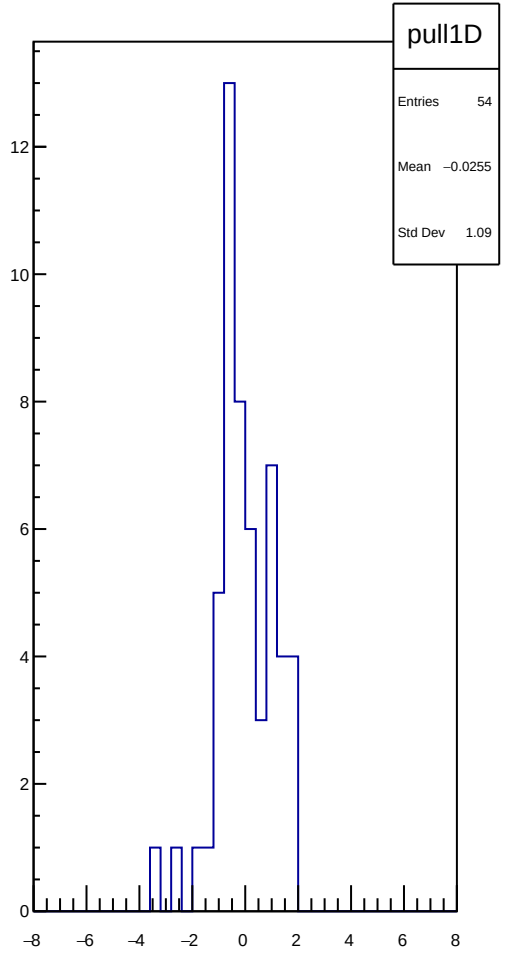
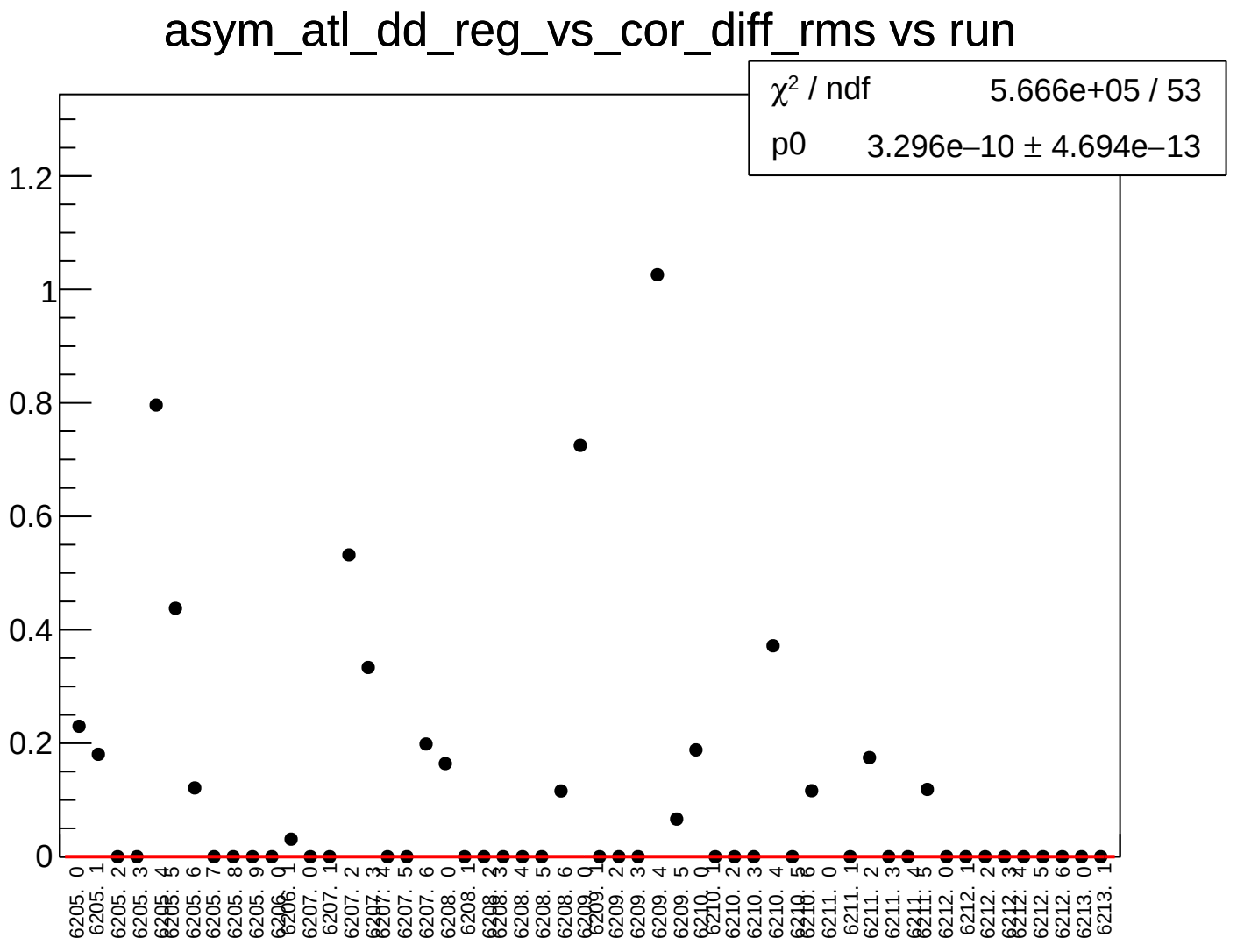
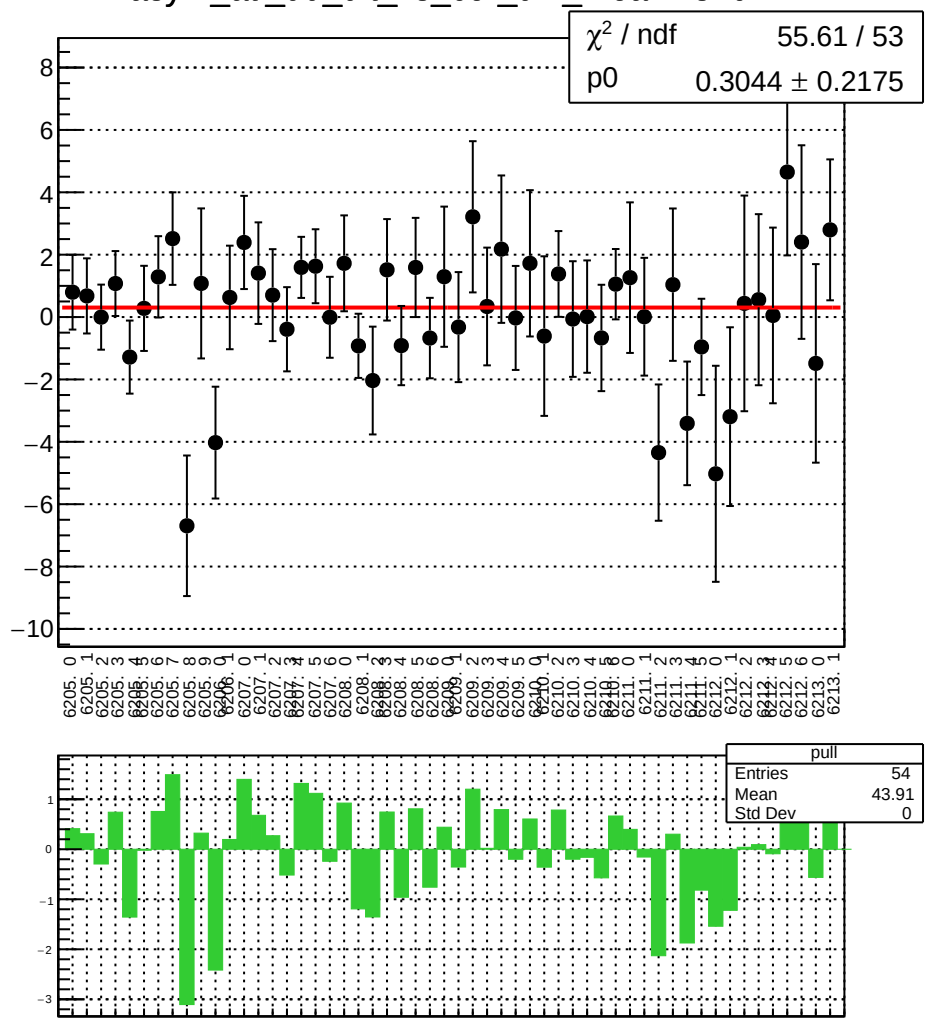
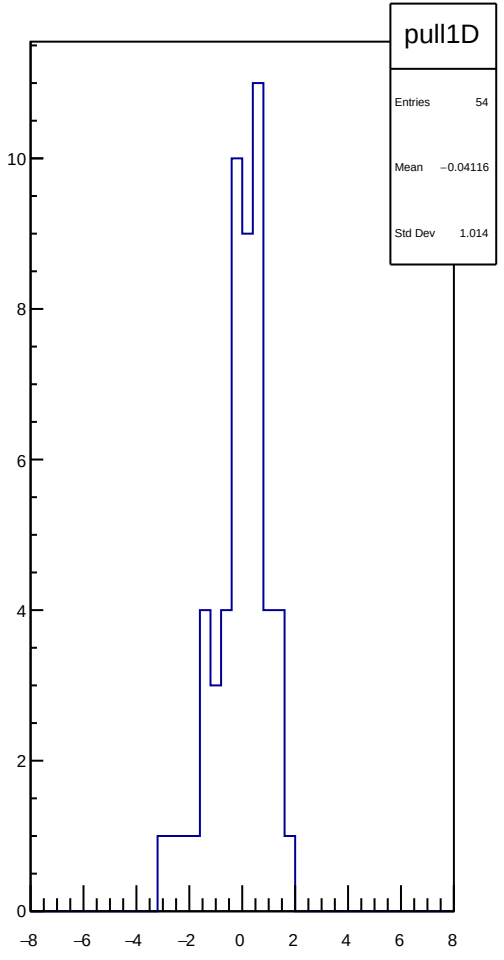
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

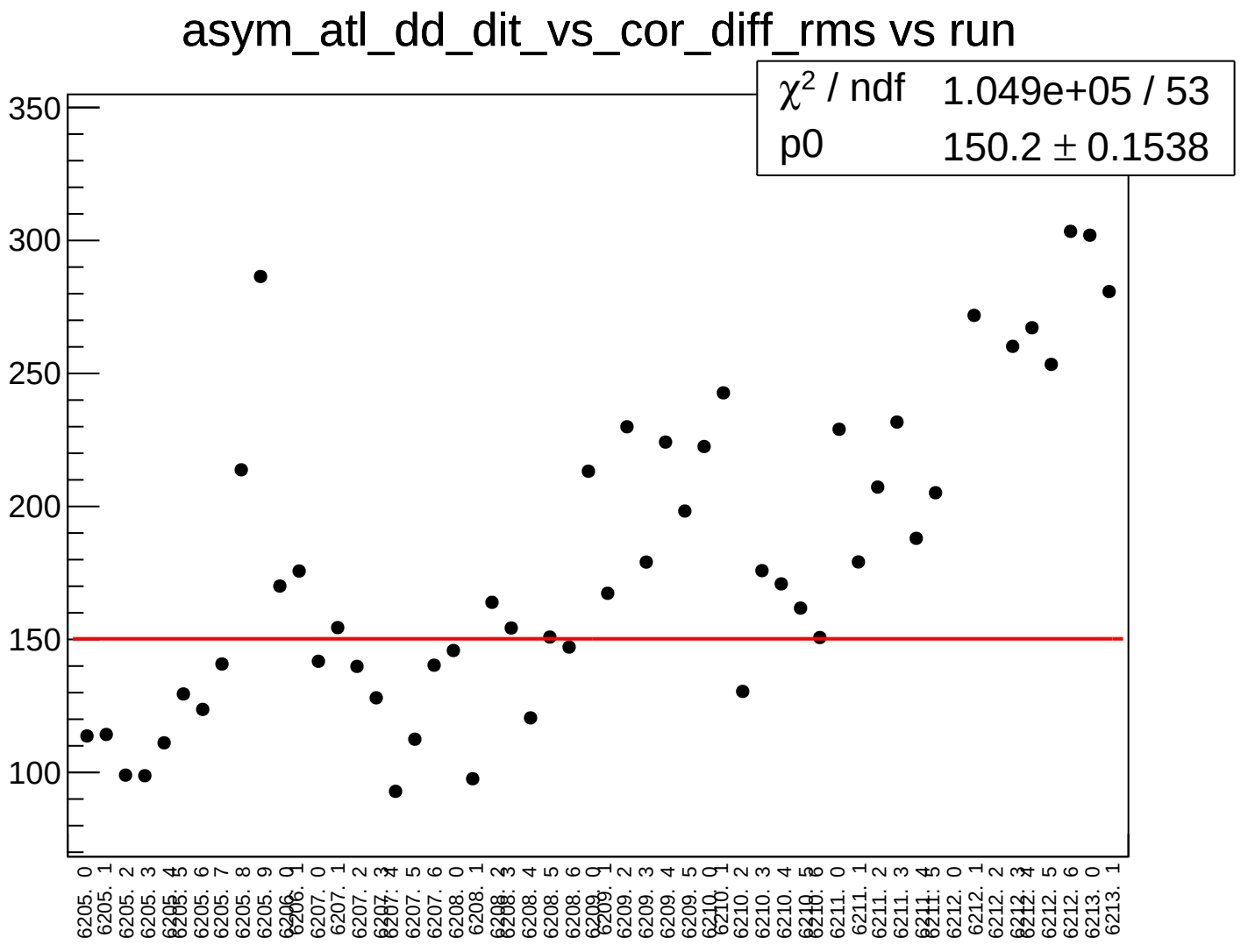

asym_atl_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 64.23 / 53
p0 −1.652e−14 ± 6.638e−13
0.01
0.005
0
−0.005
−0.01
−0.015
−0.02
pull
Entries 54
Mean 104.2
Std Dev 0
2
1
0
−1
−2
−3

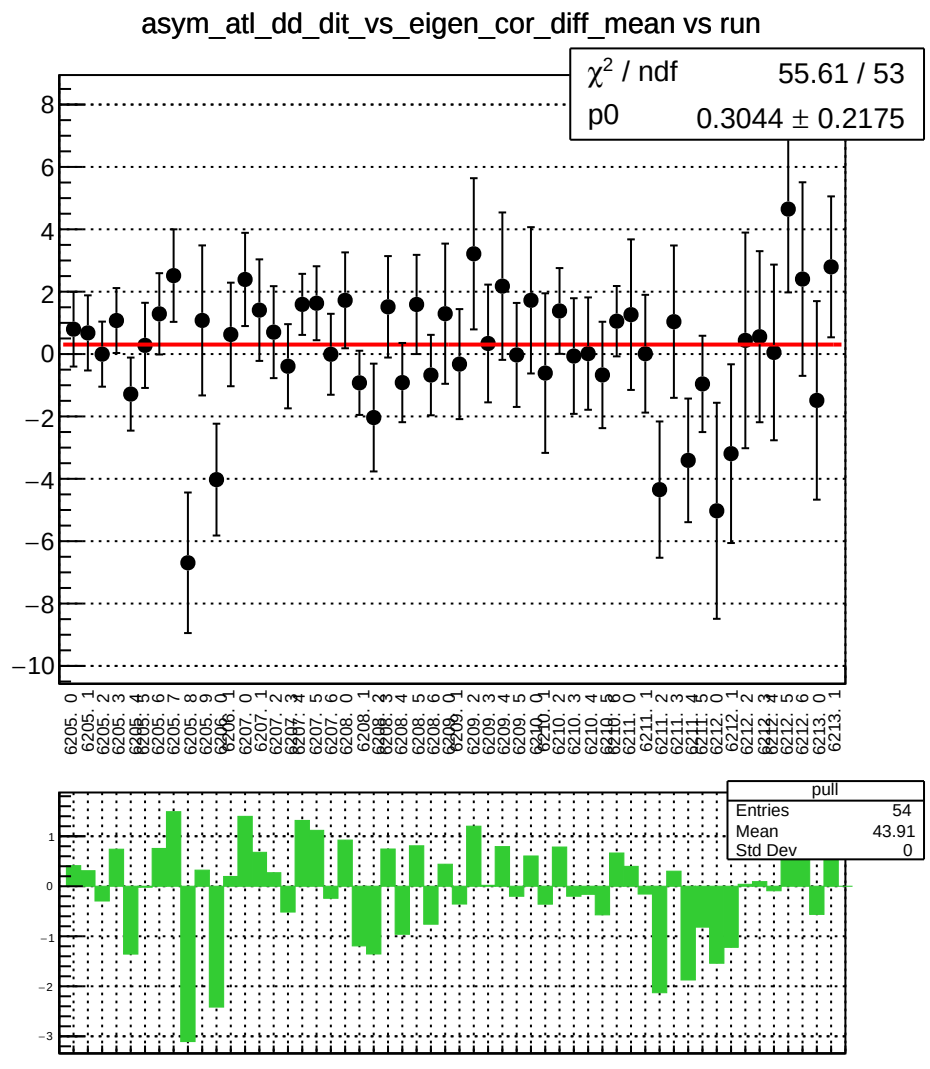

pull1D
Entries 54
Mean −0.0255
Std Dev 1.09
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

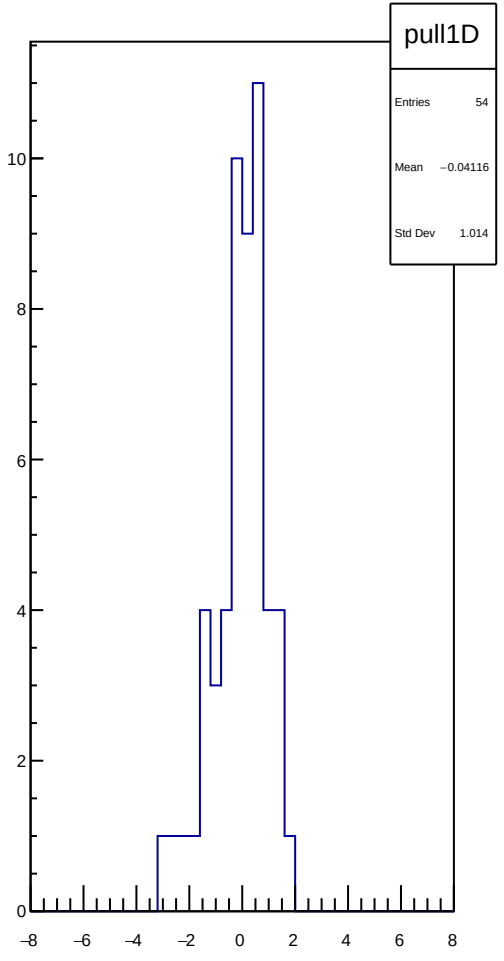

asym_atl_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.666e+05 / 53
p0 3.296e−10 ± 4.694e−13
1.2
1
0.8
0.6
0.4
0.2
0

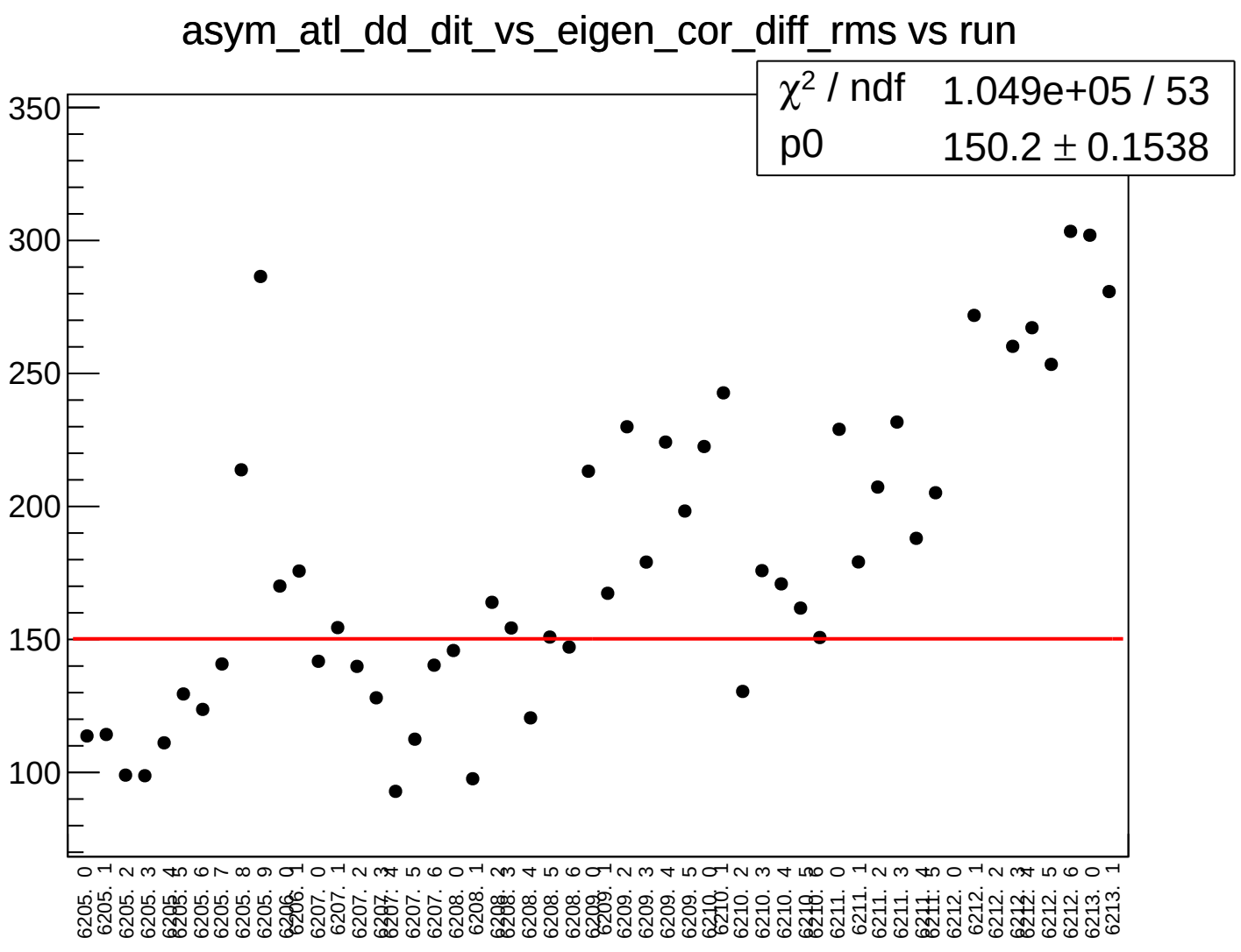

asym_atl_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 55.61 / 53
p0 0.3044 ± 0.2175
pull
Entries 54
Mean 43.91
Std Dev 0

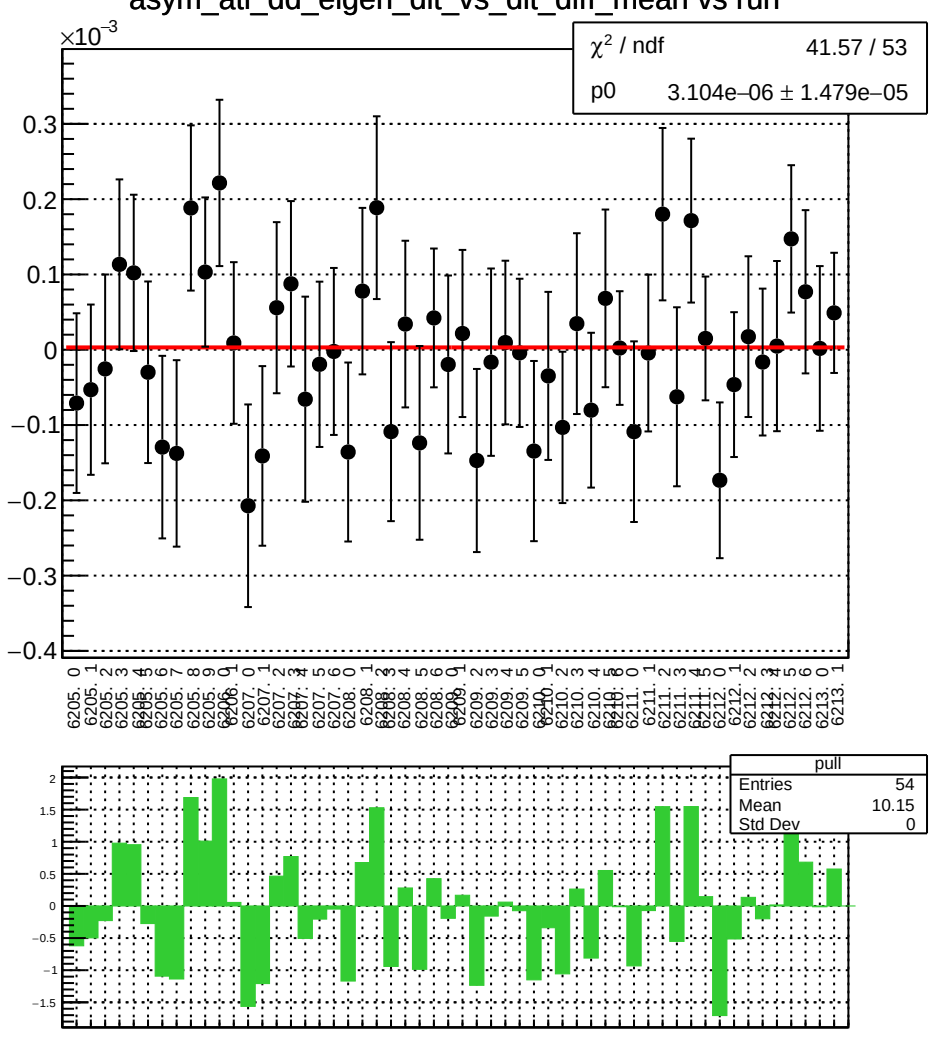

pull1D
Entries 54
Mean −0.04116
Std Dev 1.014

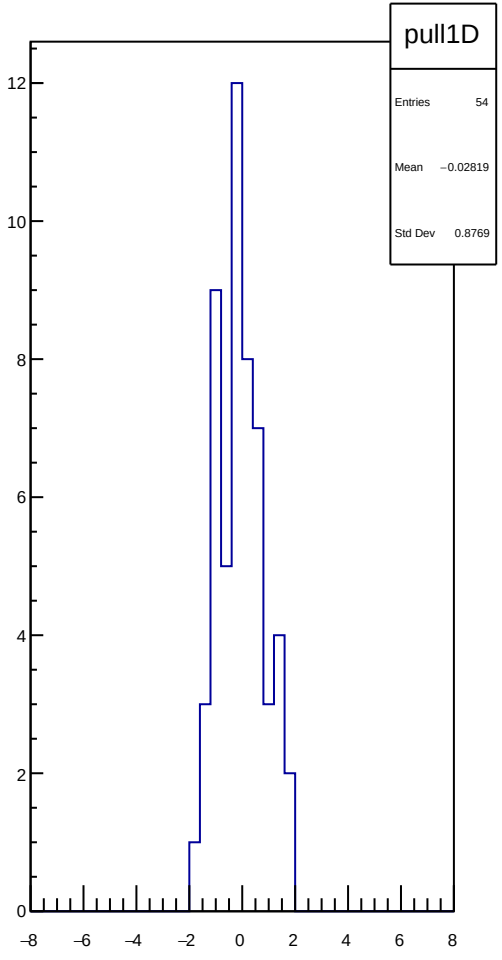

asym_atl_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.049e+05 / 53
p0 150.2 ± 0.1538
350
300
250
200
150
100
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

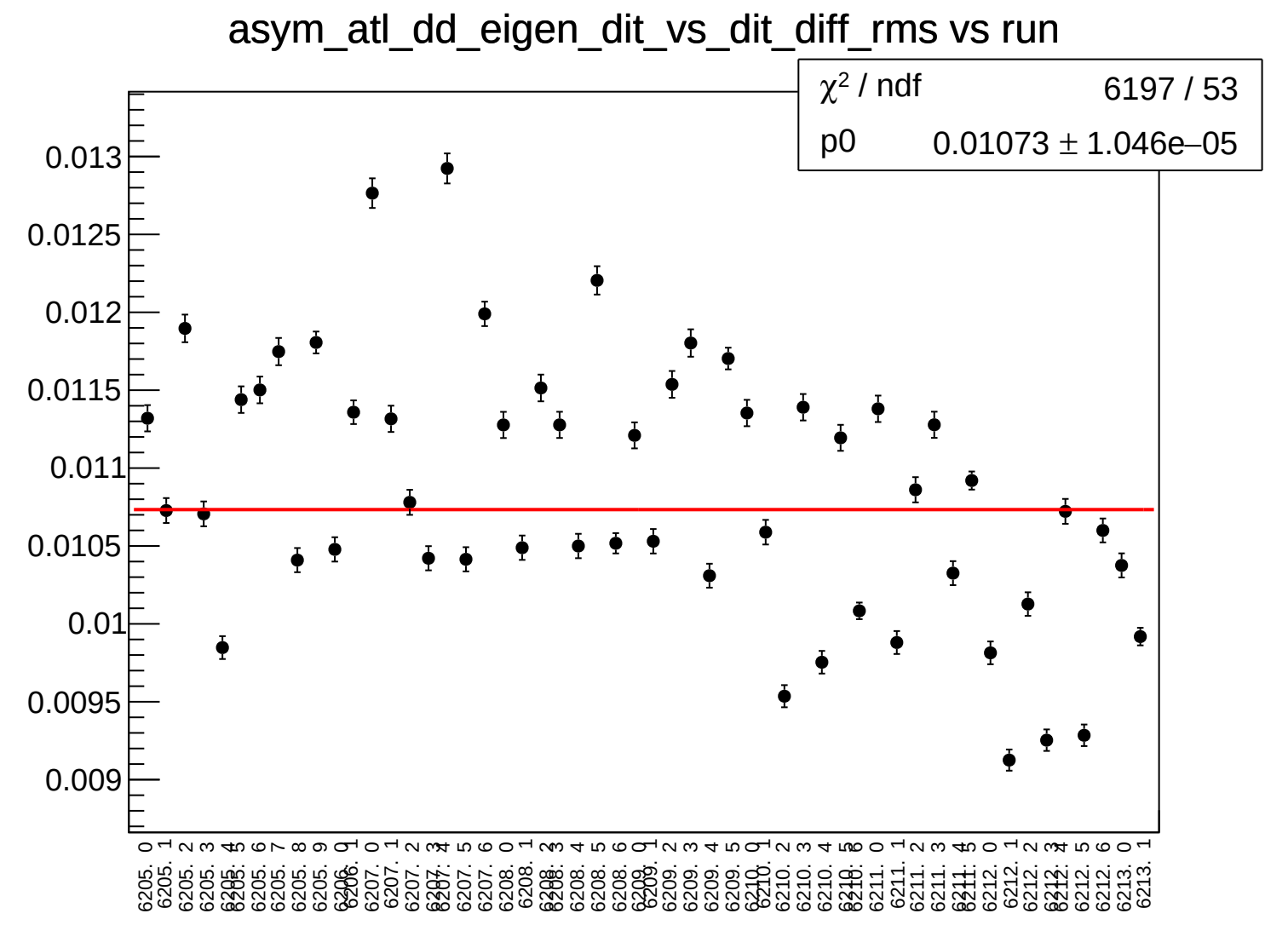

asym_atl_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 55.61 / 53
p0 0.3044 ± 0.2175
pull
Entries 54
Mean 43.91
Std Dev 0

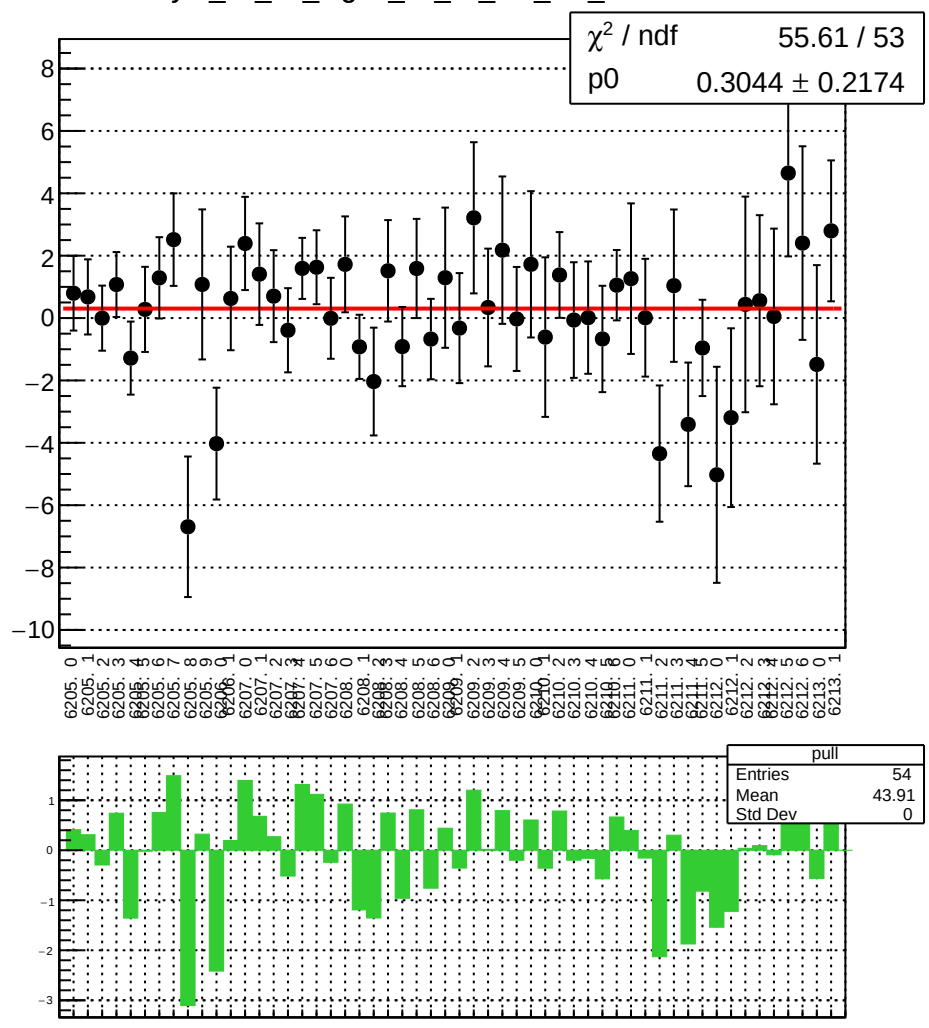

pull1D
Entries 54
Mean −0.04116
Std Dev 1.014

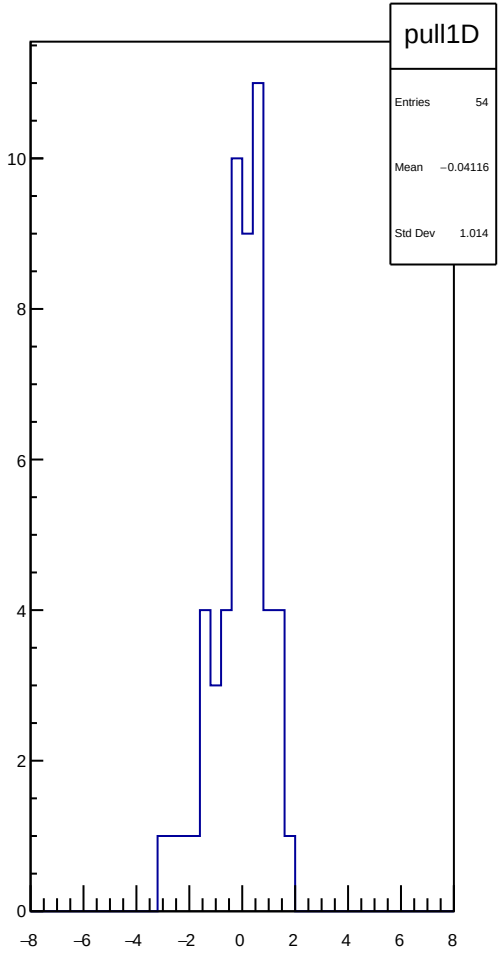

asym_atl_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.049e+05 / 53
p0 150.2 ± 0.1538
350
300
250
200
150
100
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

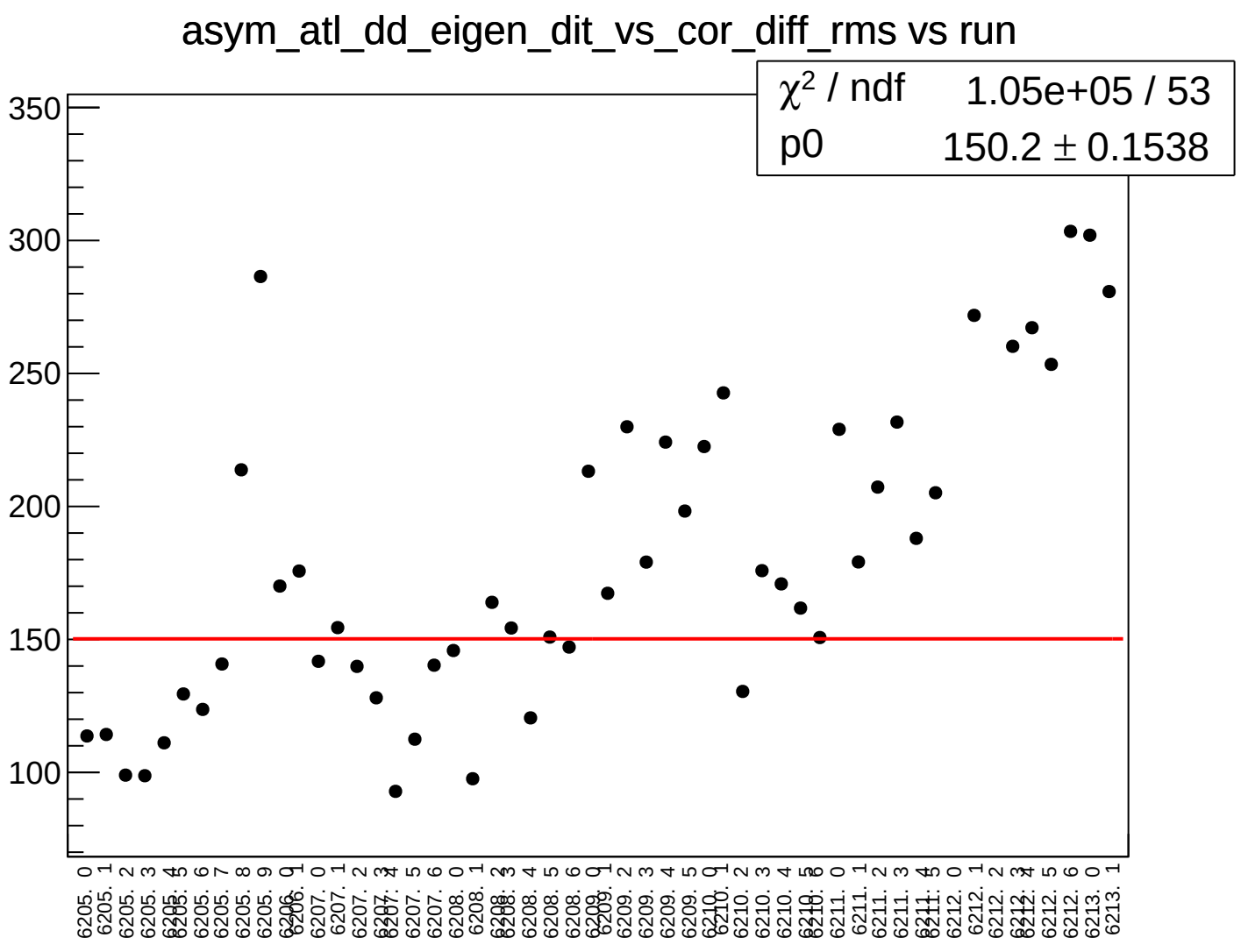

asym_atl_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 41.57 / 53
p0 3.104e−06 ± 1.479e−05
pull
Entries 54
Mean 10.15
Std Dev 0

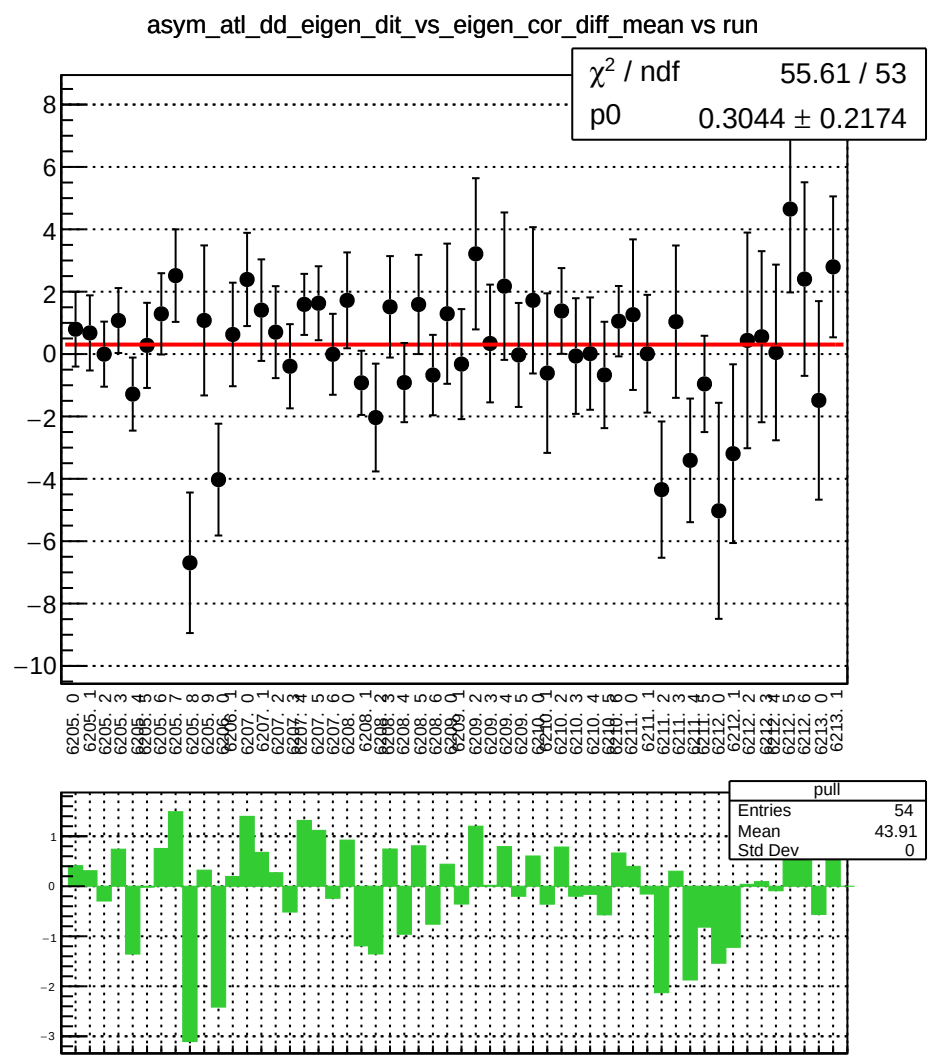

pull1D
Entries 54
Mean −0.02819
Std Dev 0.8769

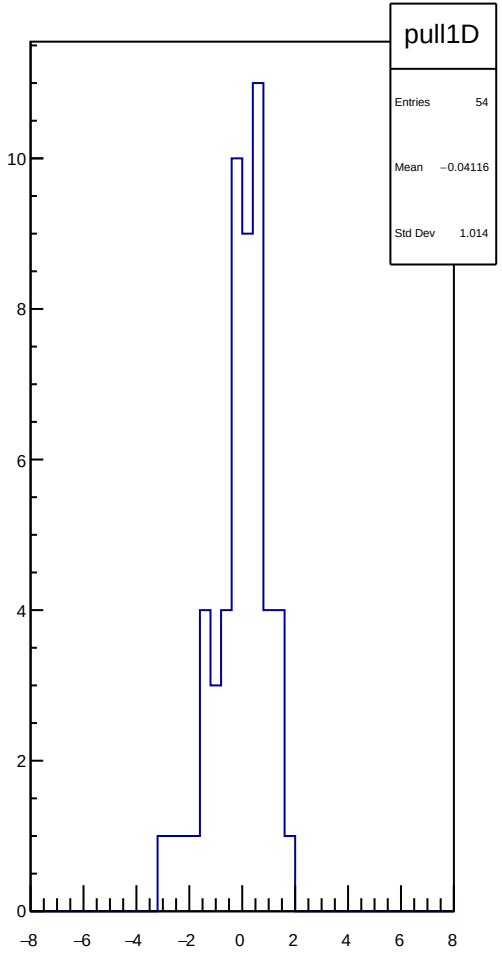

asym_atl_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 6197 / 53
p0 0.01073 ± 1.046e–05
0.013
0.0125
0.012
0.0115
0.011
0.0105
0.01
0.0095
0.009
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

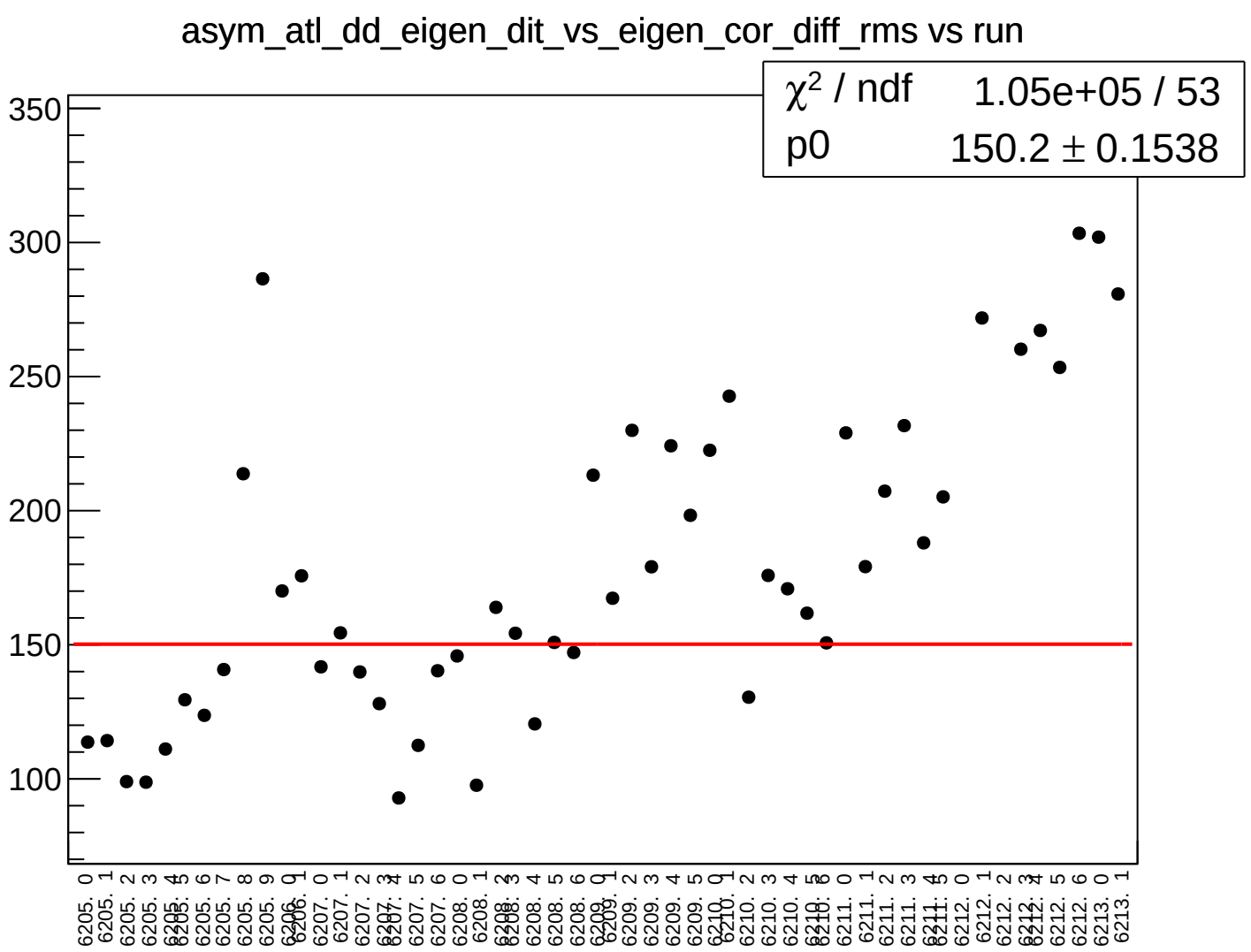

asym_atl_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 55.61 / 53
p0 0.3044 ± 0.2174
pull
Entries 54
Mean 43.91
Std Dev 0

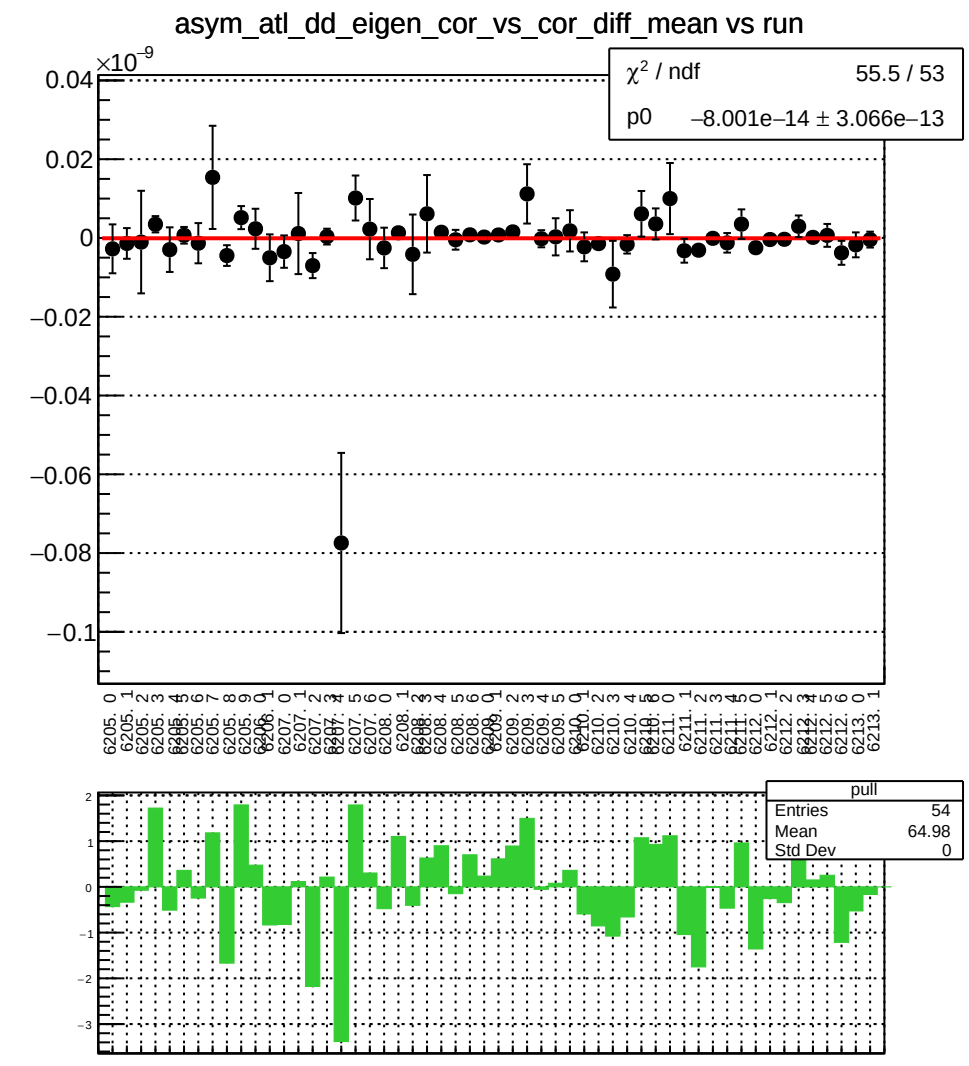

pull1D
Entries 54
Mean −0.04116
Std Dev 1.014

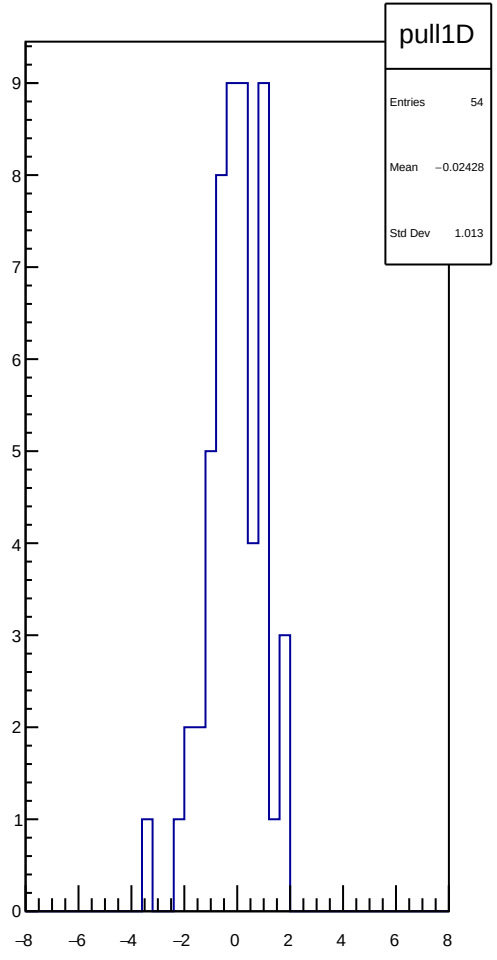

asym_atl_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.05e+05 / 53
p0 150.2 ± 0.1538
350
300
250
200
150
100
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

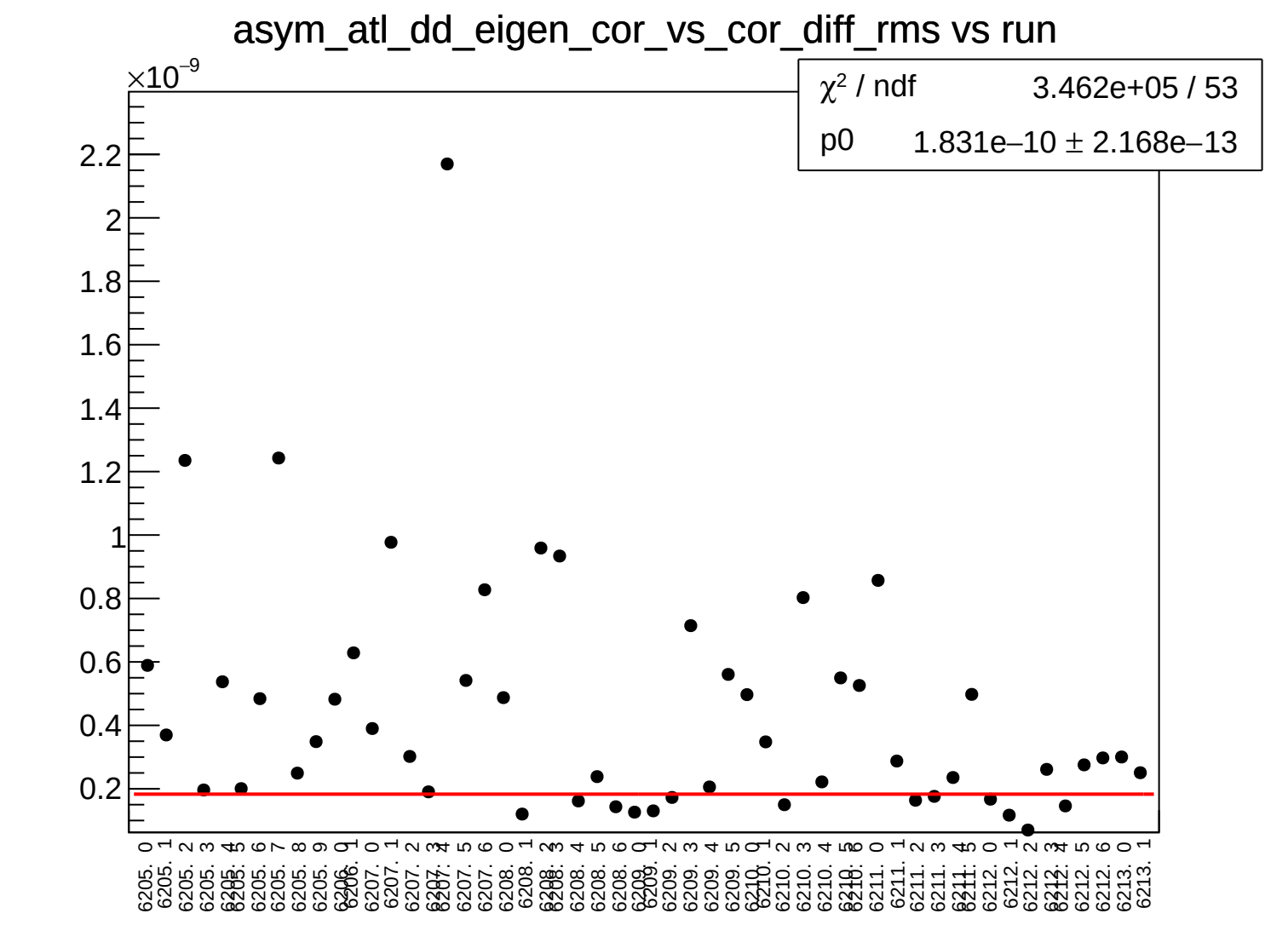

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 55.61 / 53
p0 0.3044 ± 0.2174
pull
Entries 54
Mean 43.91
Std Dev 0

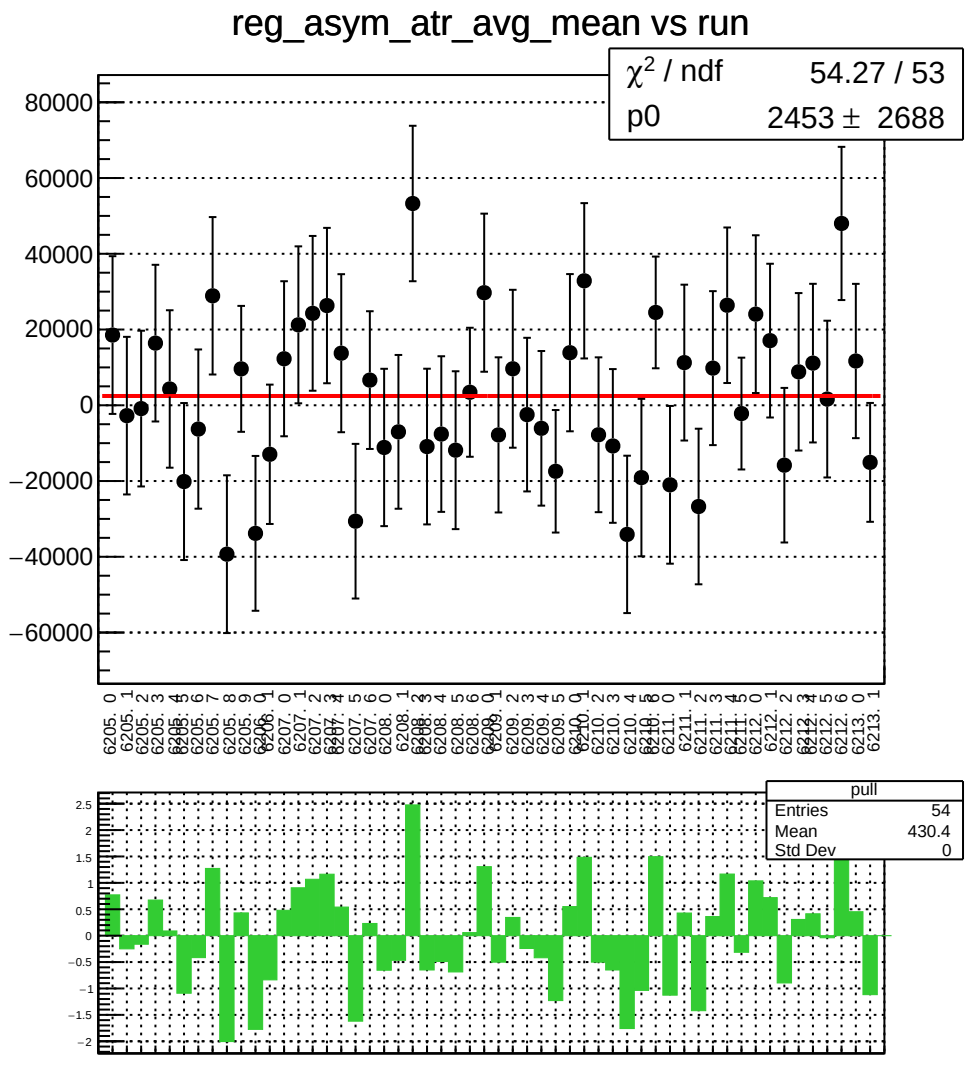

pull1D
Entries 54
Mean −0.04116
Std Dev 1.014

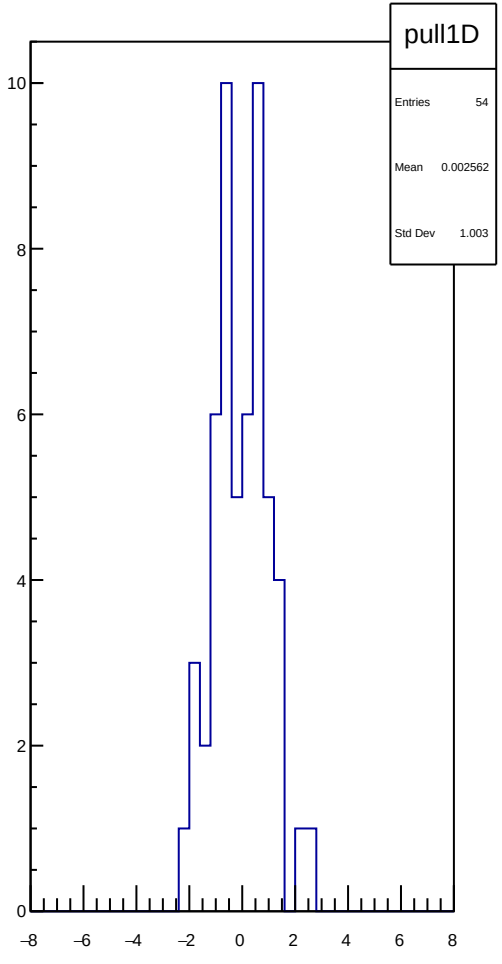

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.05e+05 / 53
p0 150.2 ± 0.1538
350
300
250
200
150
100
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

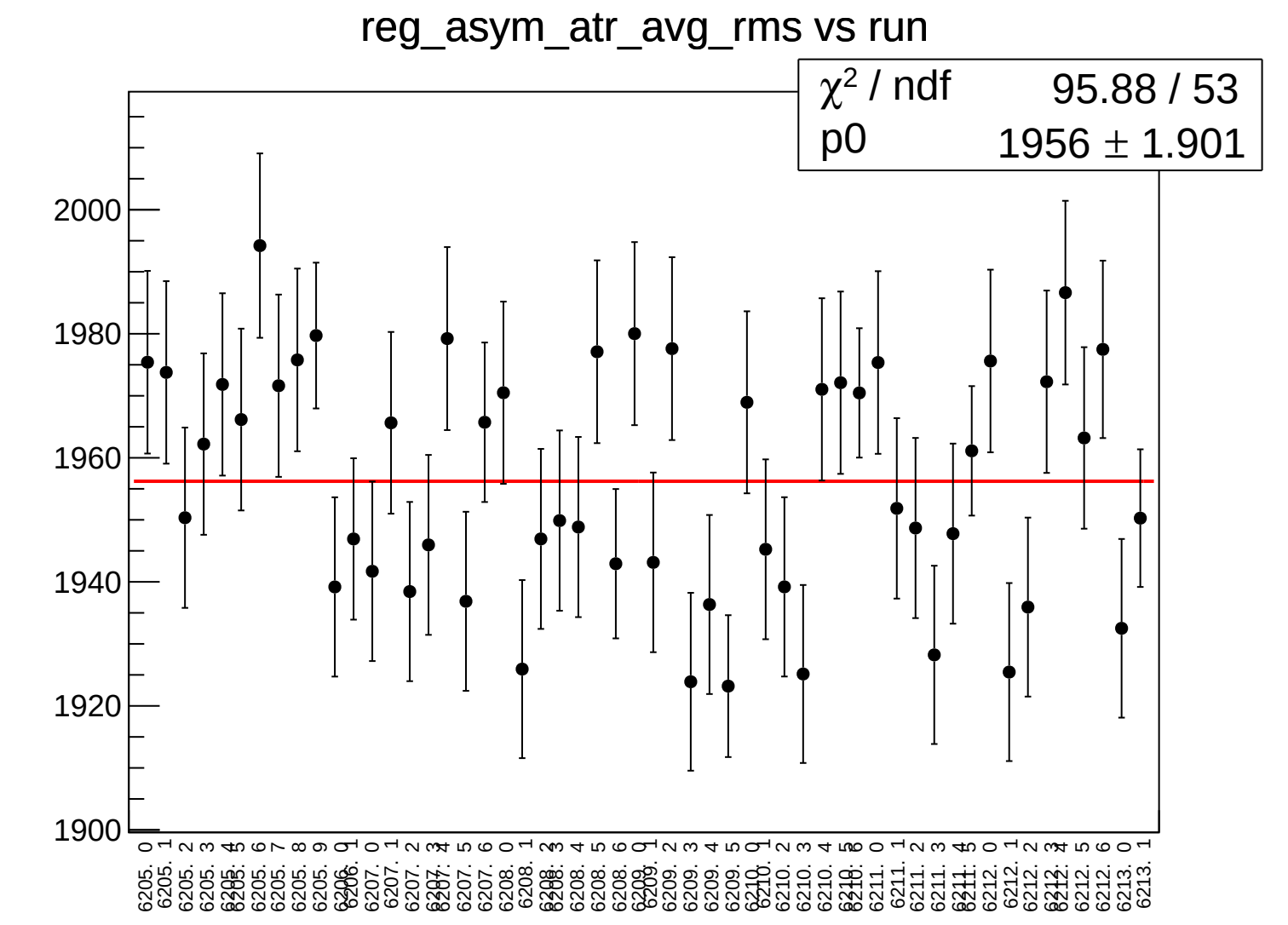

asym_atl_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻⁹
χ² / ndf 55.5 / 53
p0 −8.001e−14 ± 3.066e−13
pull
Entries 54
Mean 64.98
Std Dev 0

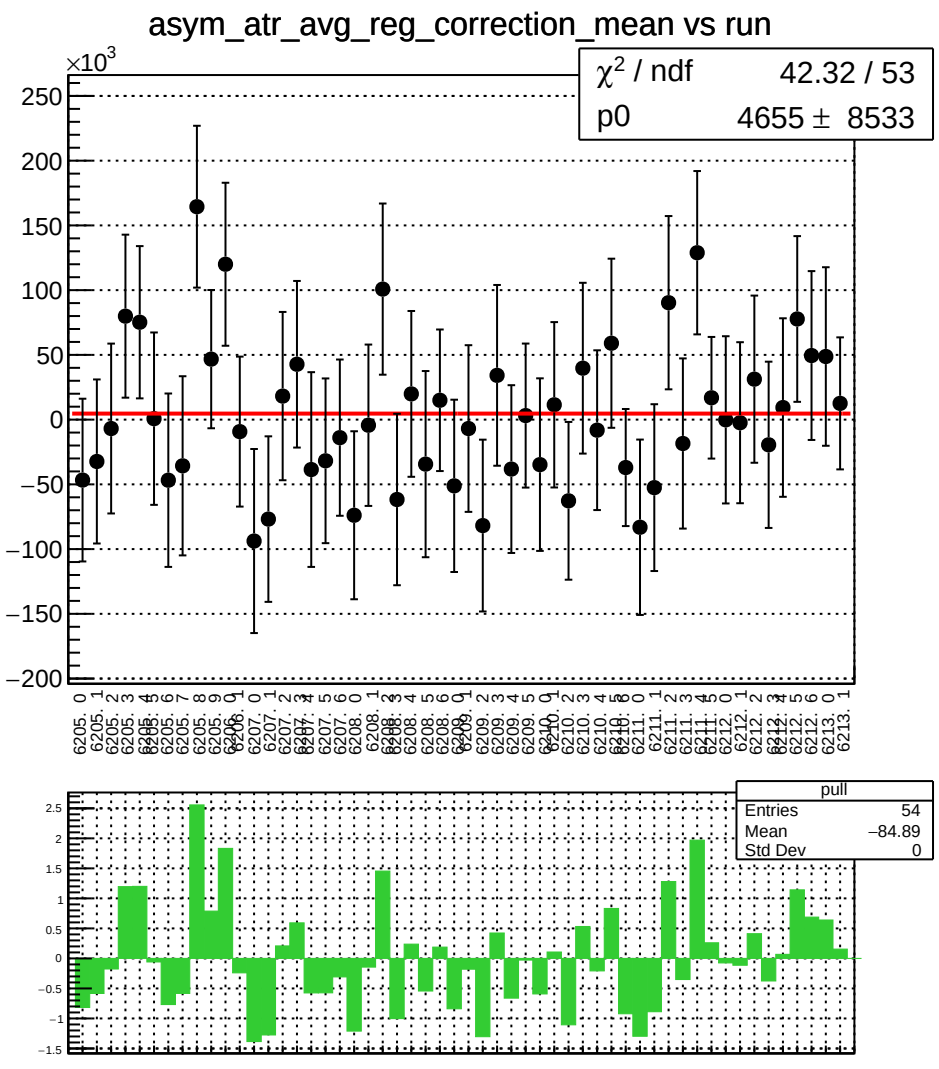

pull1D
Entries 54
Mean −0.02428
Std Dev 1.013

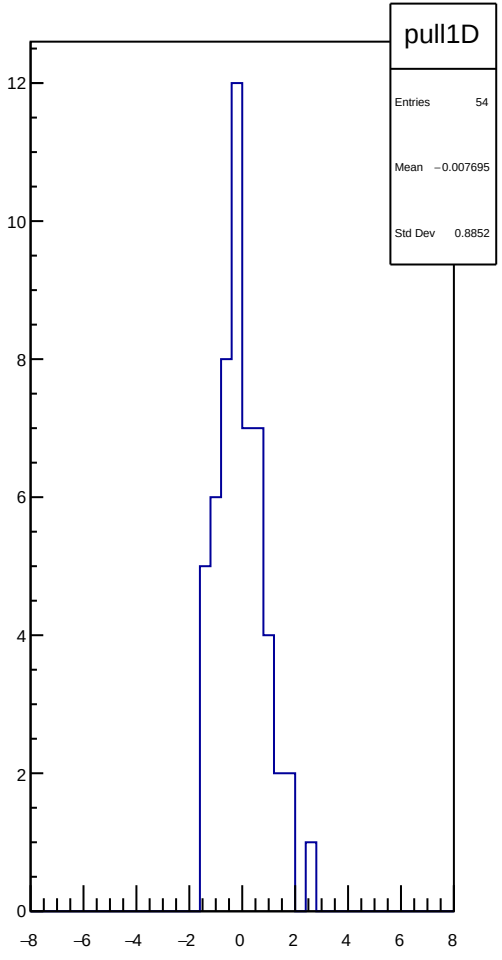

asym_atl_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.462e+05 / 53
p0 1.831e−10 ± 2.168e−13
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

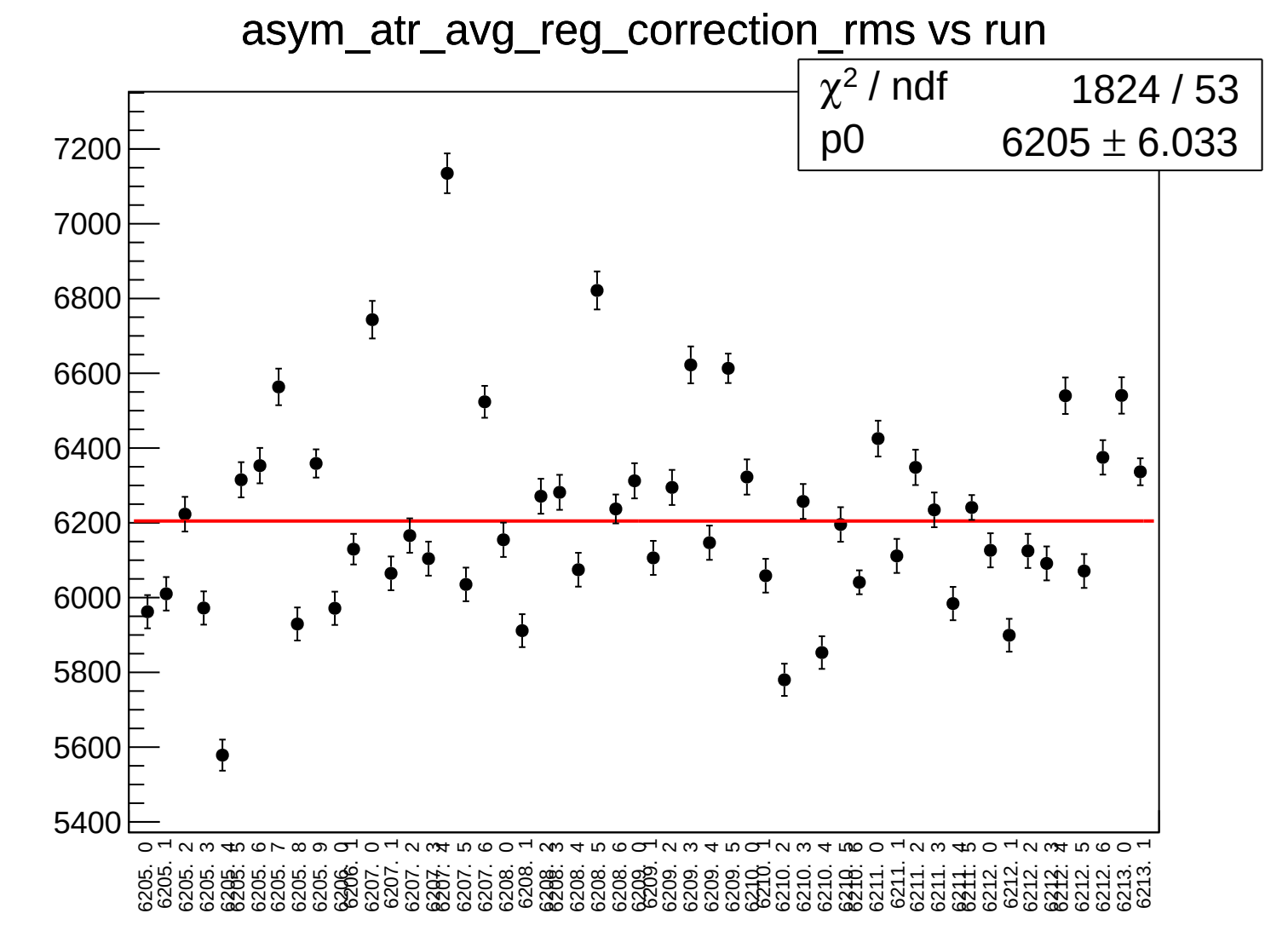

reg_asym_atr_avg_mean vs run
χ² / ndf 54.27 / 53
p0 2453 ± 2688
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 430.4
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

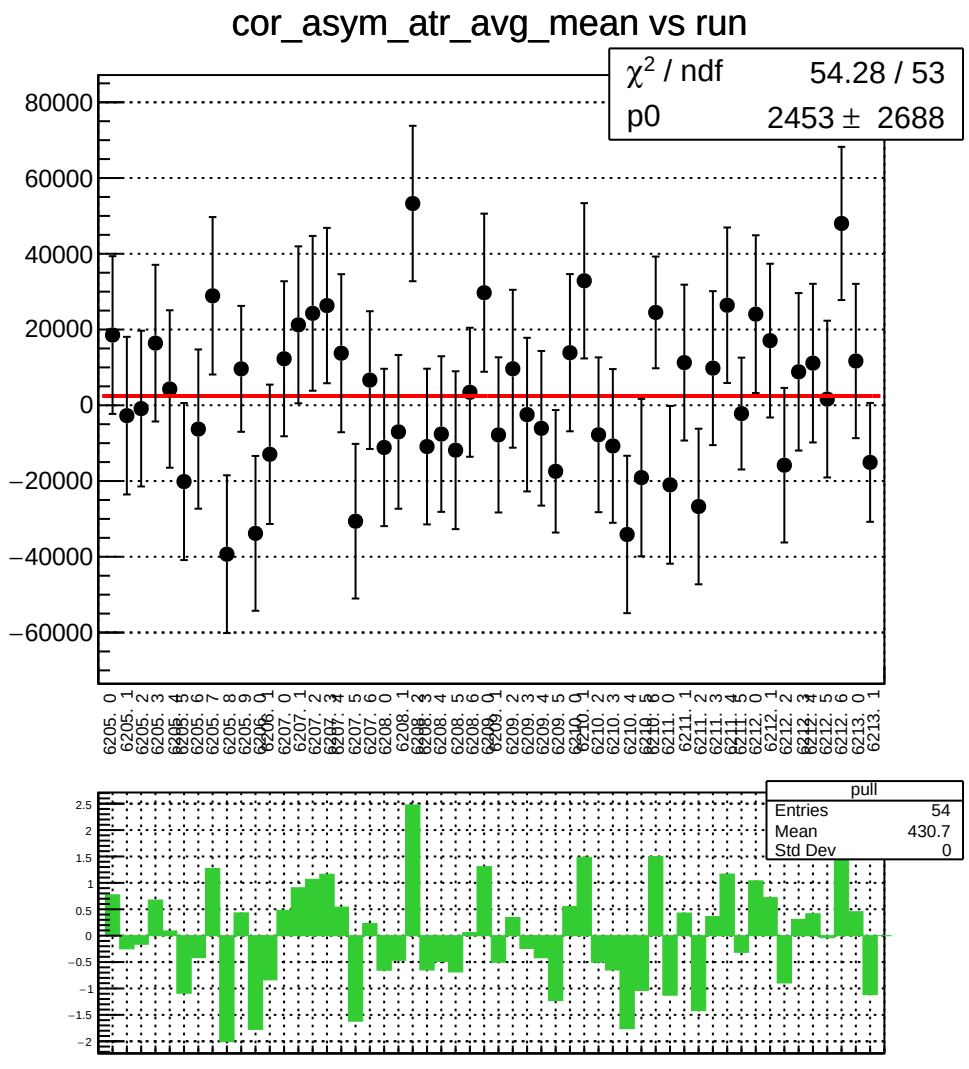

pull1D
Entries 54
Mean 0.002562
Std Dev 1.003
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

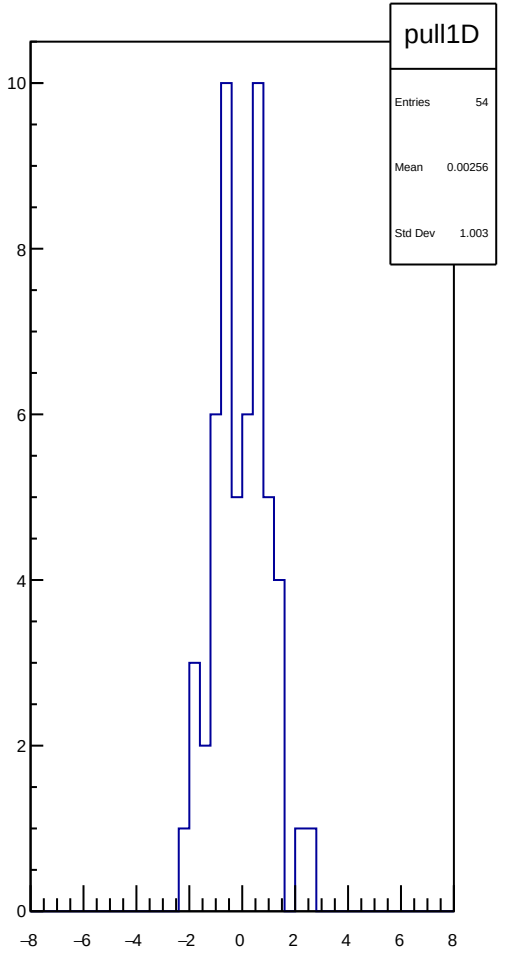

reg_asym_atr_avg_rms vs run
χ² / ndf 95.88 / 53
p0 1956 ± 1.901
2000
1980
1960
1940
1920
1900
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

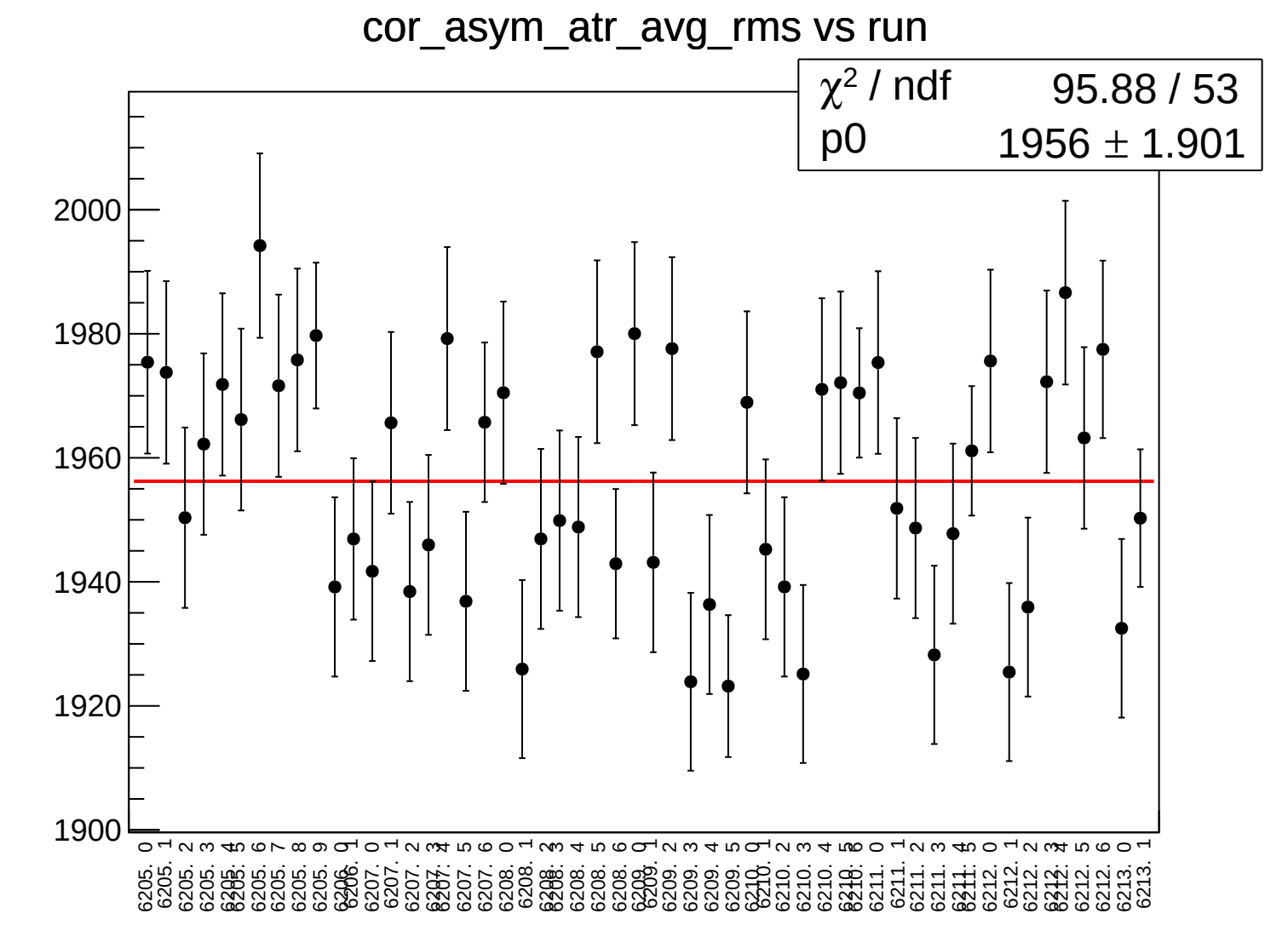

asym_atr_avg_reg_correction_mean vs run
×10^3
χ² / ndf 42.32 / 53
p0 4655 ± 8533
pull
Entries 54
Mean −84.89
Std Dev 0

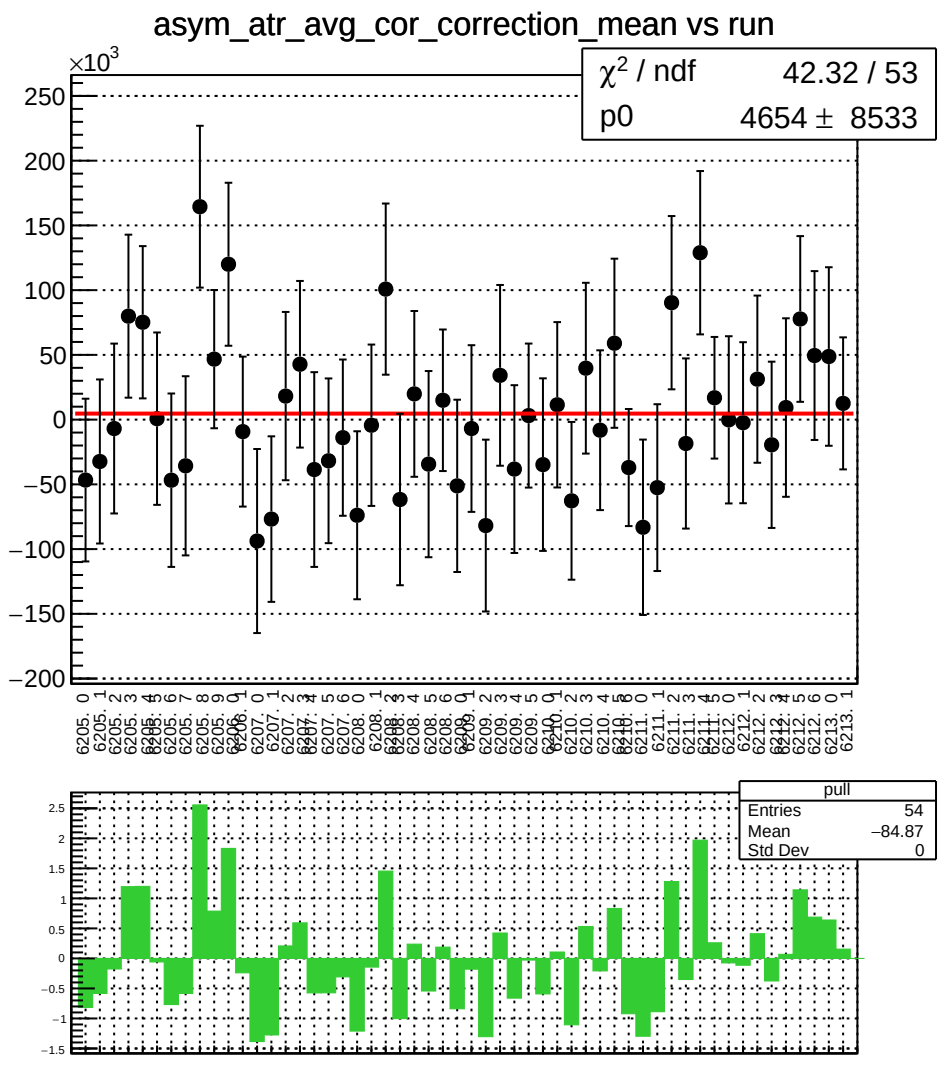

pull1D
Entries 54
Mean −0.007695
Std Dev 0.8852

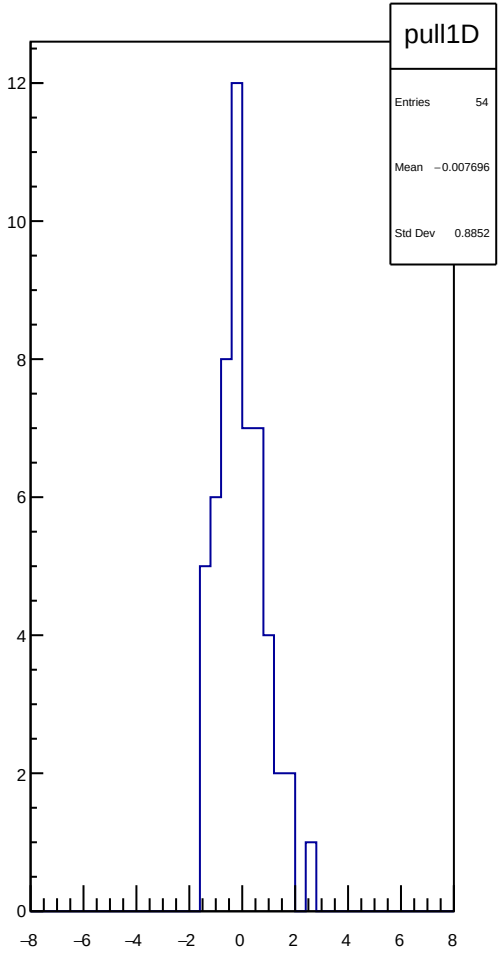

asym_atr_avg_reg_correction_rms vs run
χ² / ndf 1824 / 53
p0 6205 ± 6.033
7200
7000
6800
6600
6400
6200
6000
5800
5600
5400
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

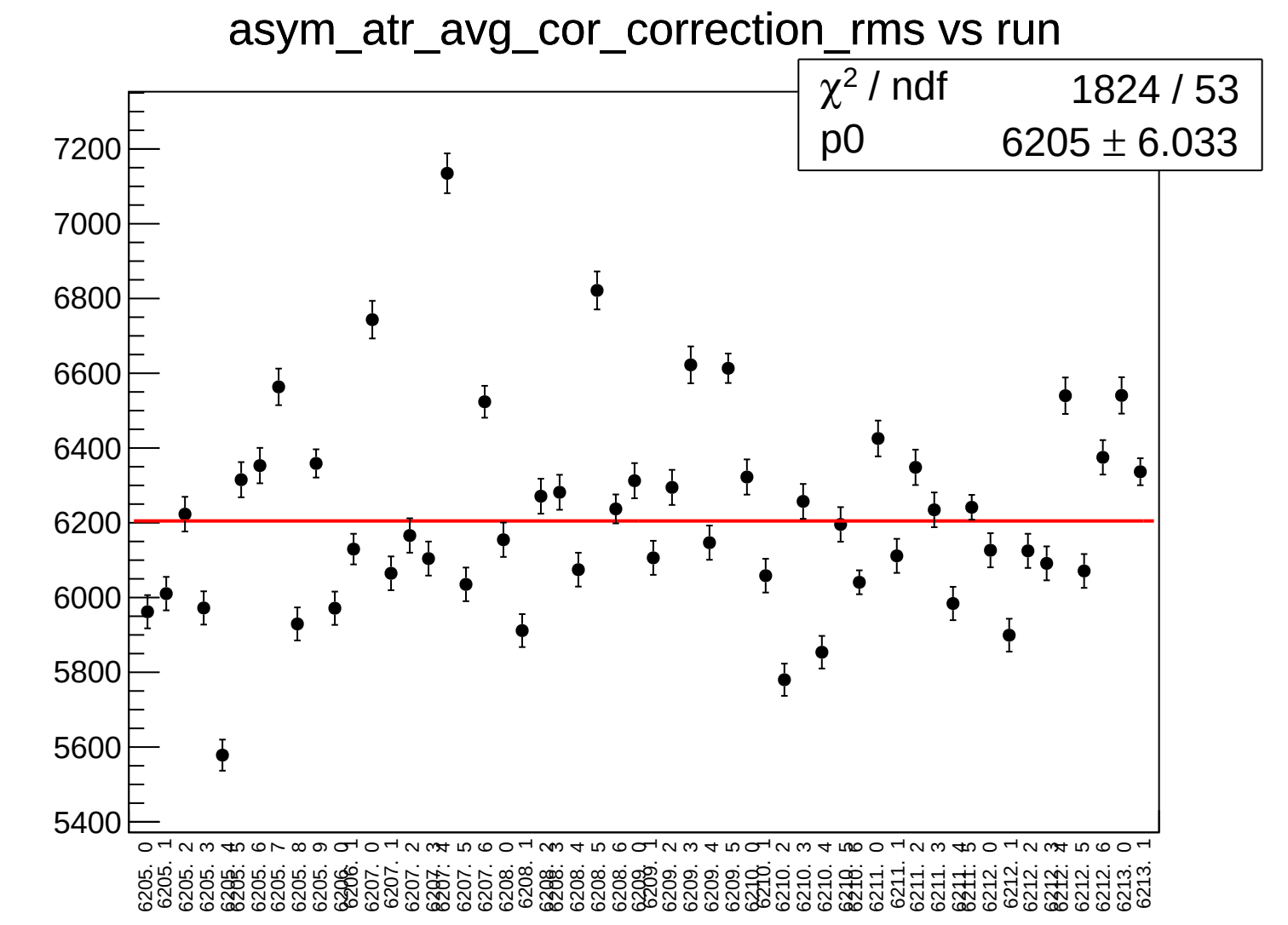

cor_asym_atr_avg_mean vs run
χ² / ndf 54.28 / 53
p0 2453 ± 2688
pull
Entries 54
Mean 430.7
Std Dev 0

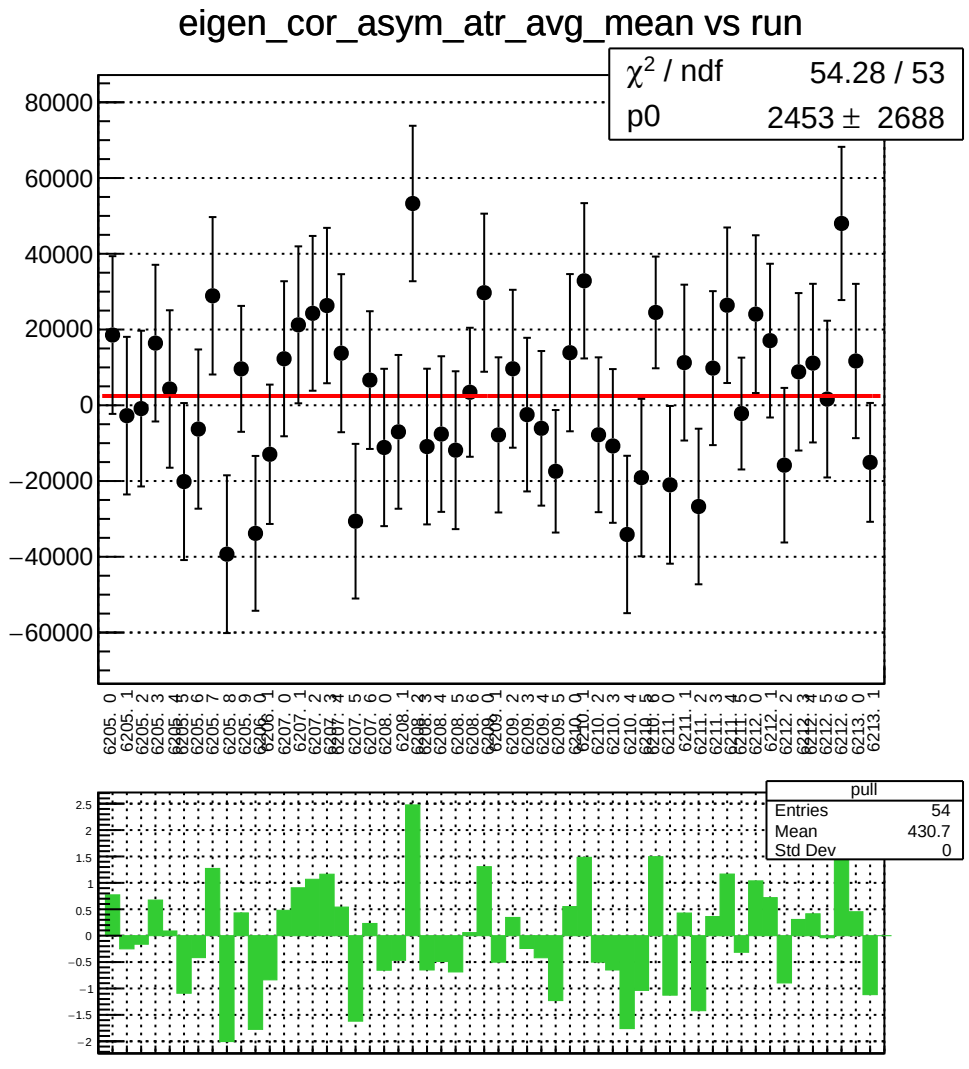

pull1D
Entries 54
Mean 0.00256
Std Dev 1.003

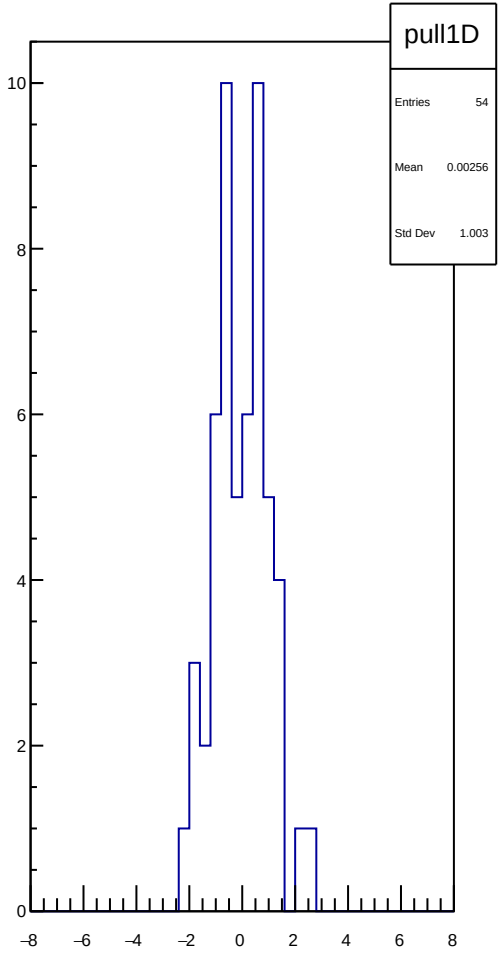

cor_asym_atr_avg_rms vs run
χ² / ndf 95.88 / 53
p0 1956 ± 1.901
2000
1980
1960
1940
1920
1900
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

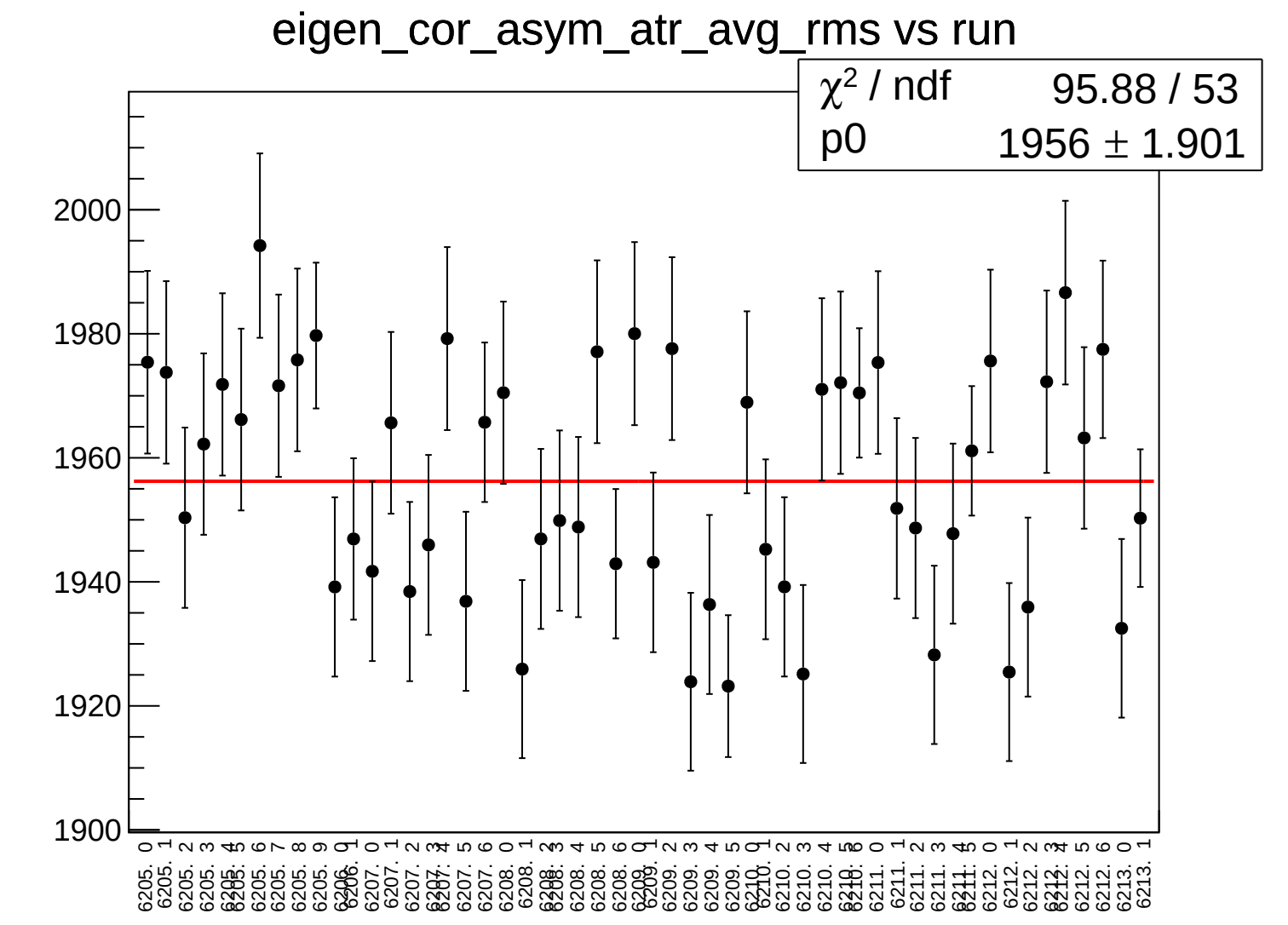

asym_atr_avg_cor_correction_mean vs run
×10^3
χ² / ndf 42.32 / 53
p0 4654 ± 8533
pull
Entries 54
Mean −84.87
Std Dev 0

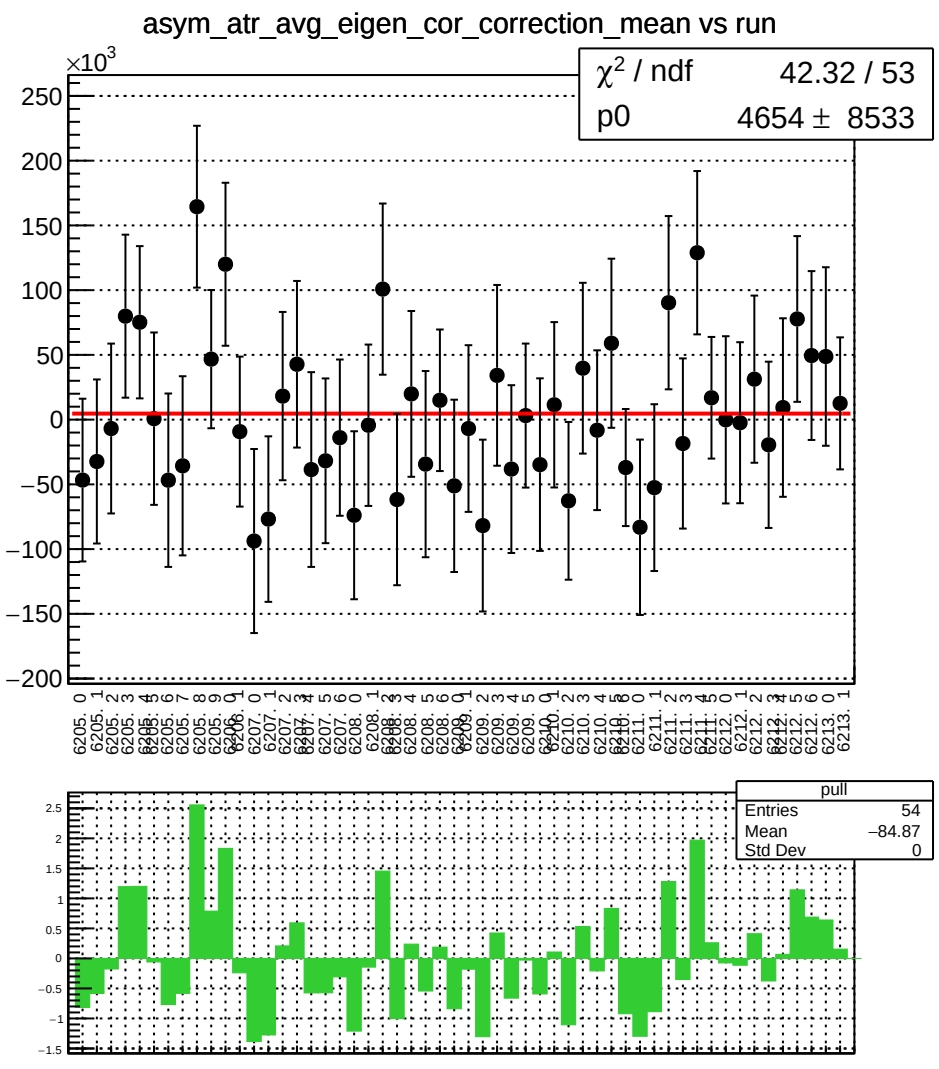

pull1D
Entries 54
Mean −0.007696
Std Dev 0.8852

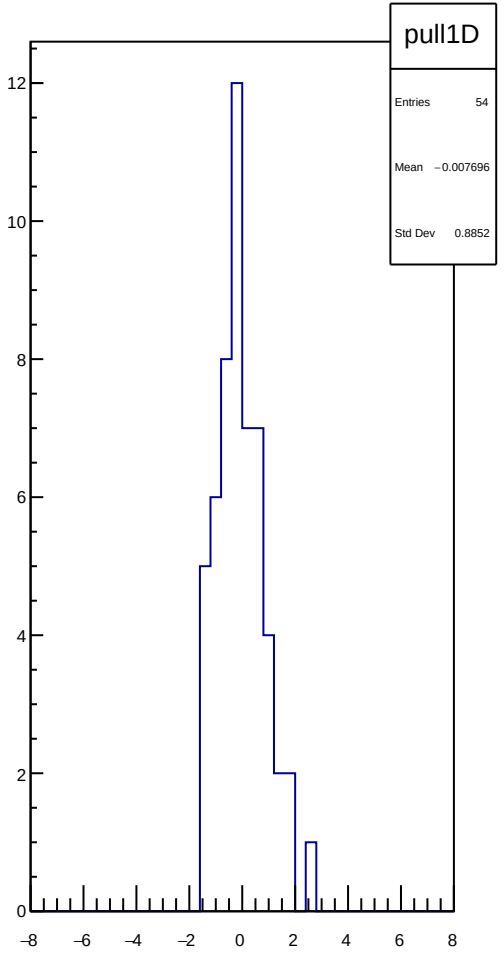

asym_atr_avg_cor_correction_rms vs run
χ² / ndf 1824 / 53
p0 6205 ± 6.033
7200
7000
6800
6600
6400
6200
6000
5800
5600
5400
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

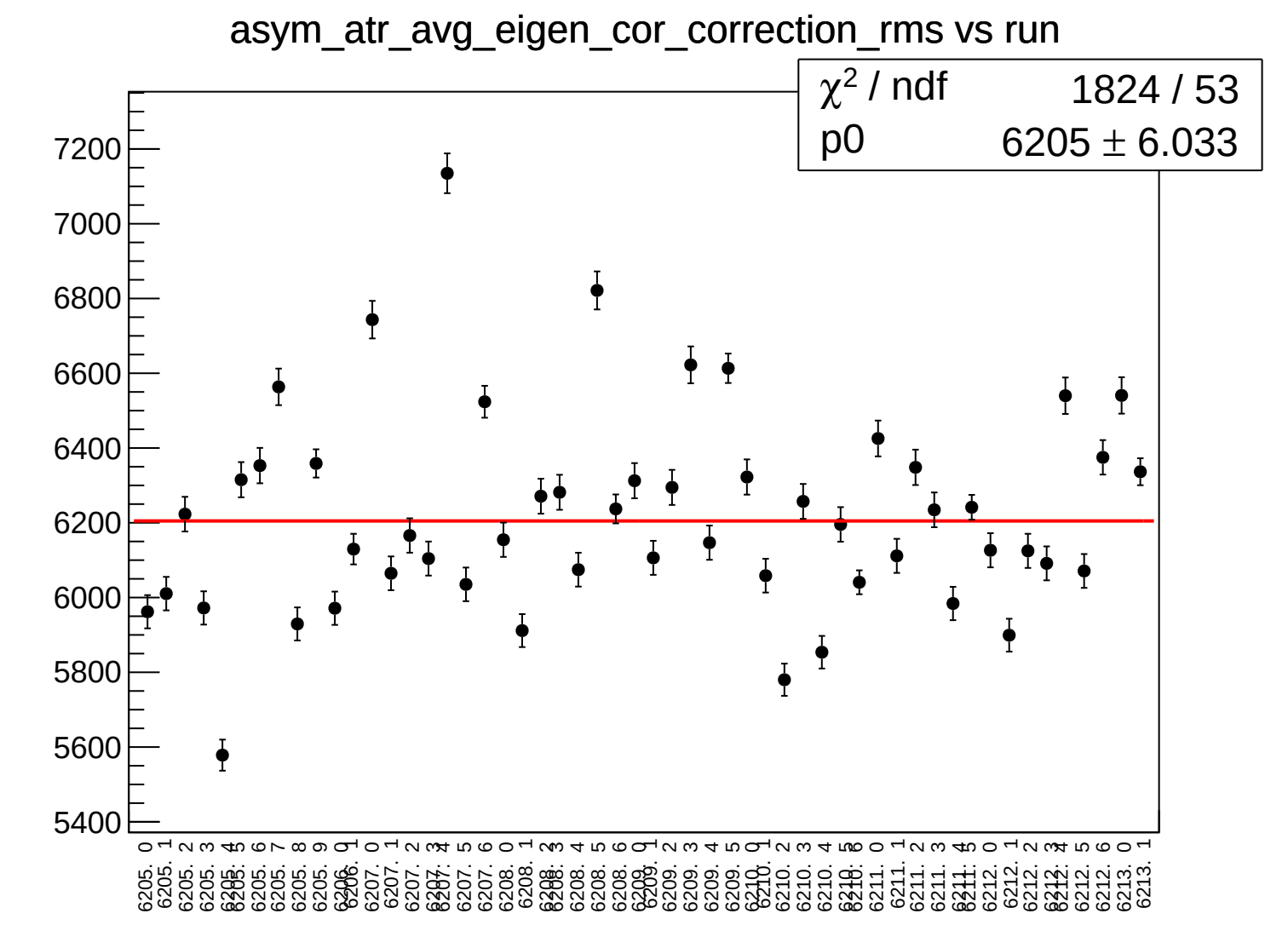

eigen_cor_asym_atr_avg_mean vs run
χ² / ndf 54.28 / 53
p0 2453 ± 2688
pull
Entries 54
Mean 430.7
Std Dev 0

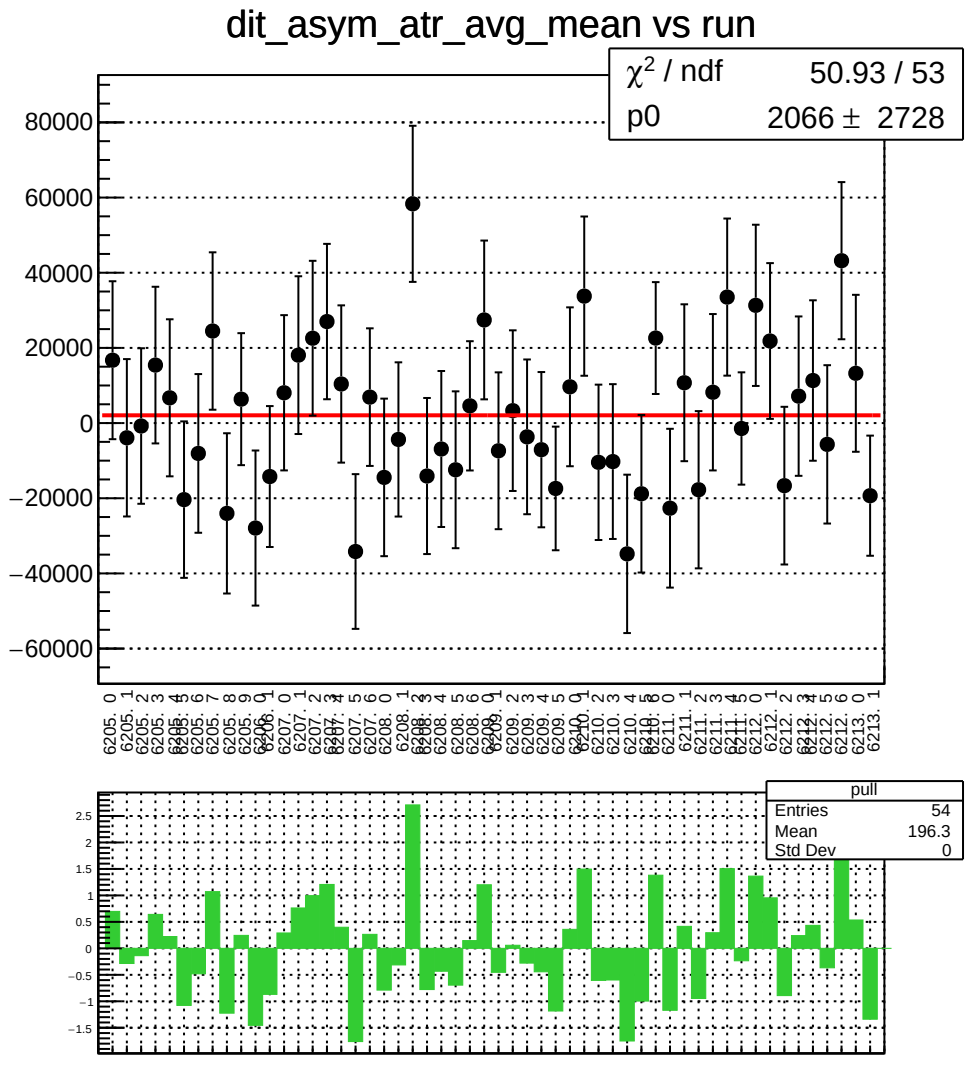

pull1D
Entries 54
Mean 0.00256
Std Dev 1.003

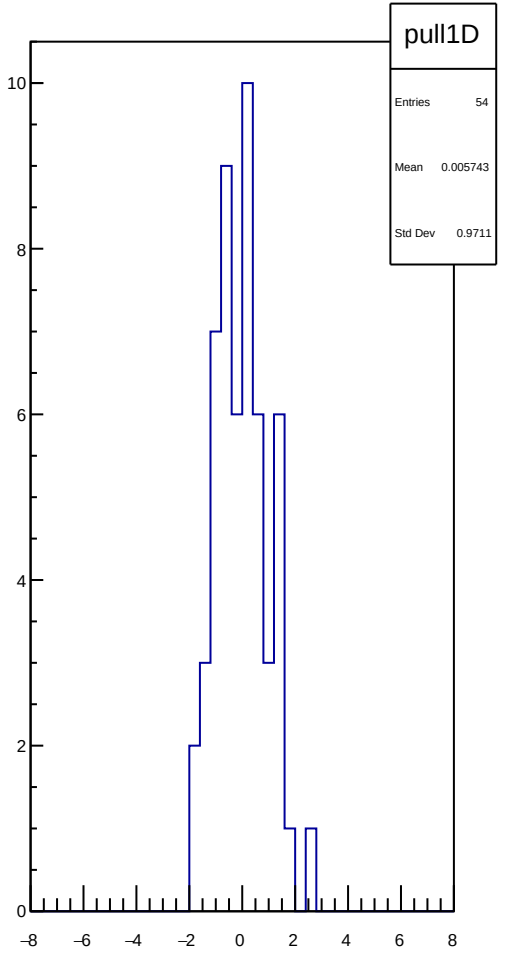

eigen_cor_asym_atr_avg_rms vs run
χ² / ndf 95.88 / 53
p0 1956 ± 1.901
2000
1980
1960
1940
1920
1900
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

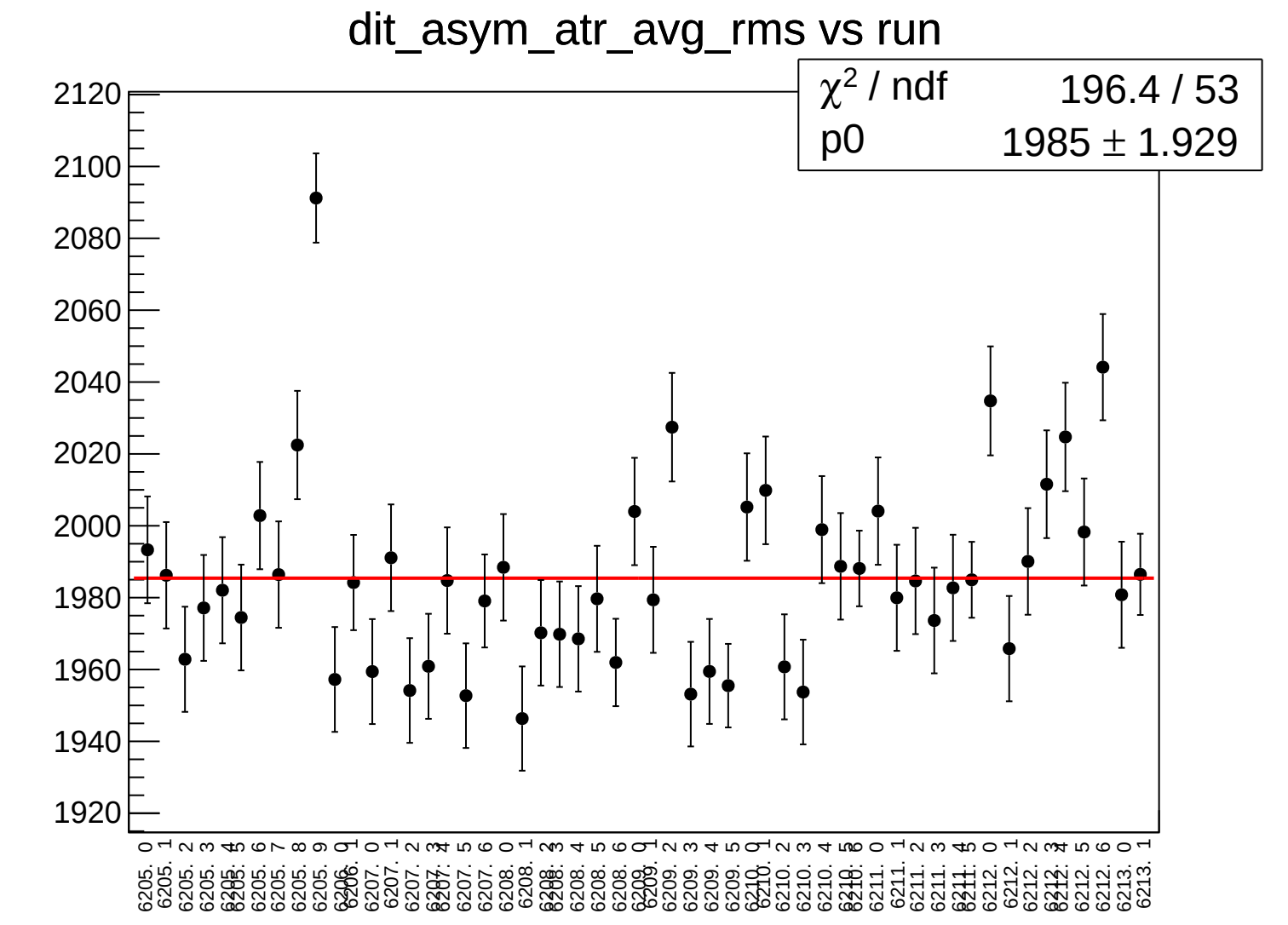

asym_atr_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 42.32 / 53
p0 4654 ± 8533
pull
Entries 54
Mean −84.87
Std Dev 0

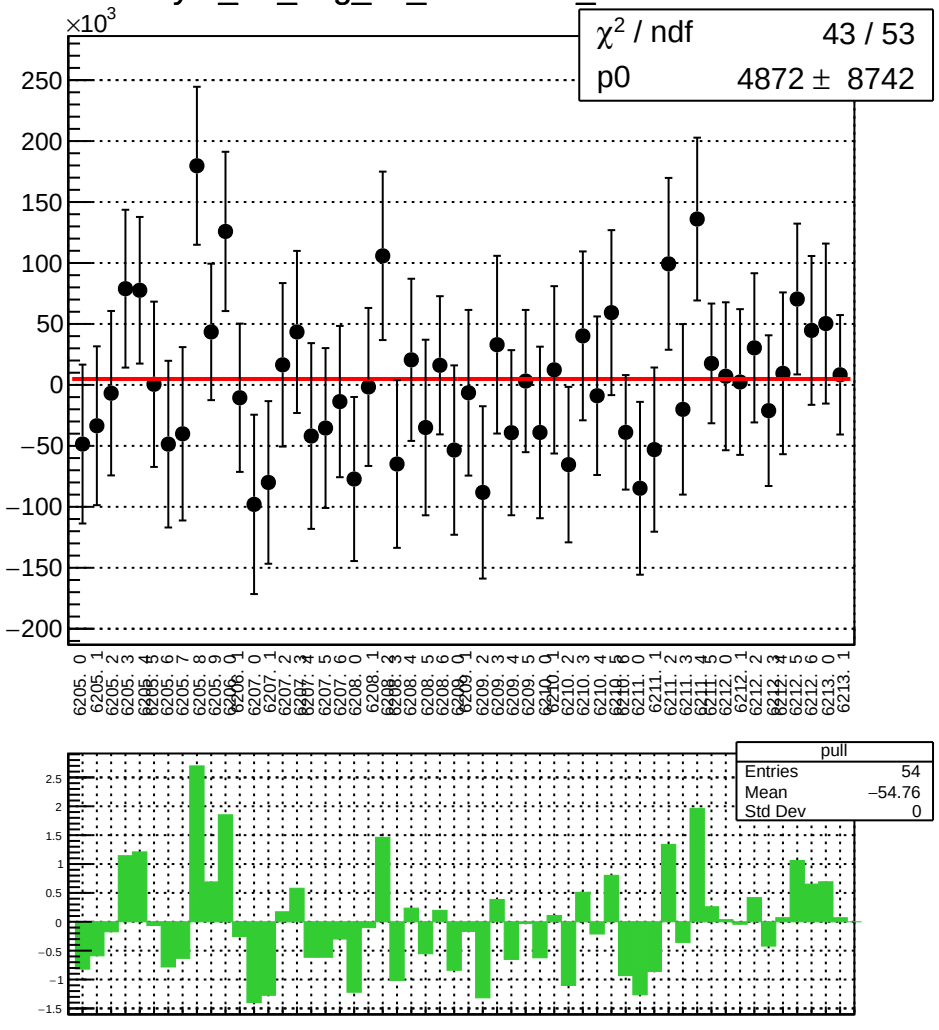

pull1D
Entries 54
Mean −0.007696
Std Dev 0.8852

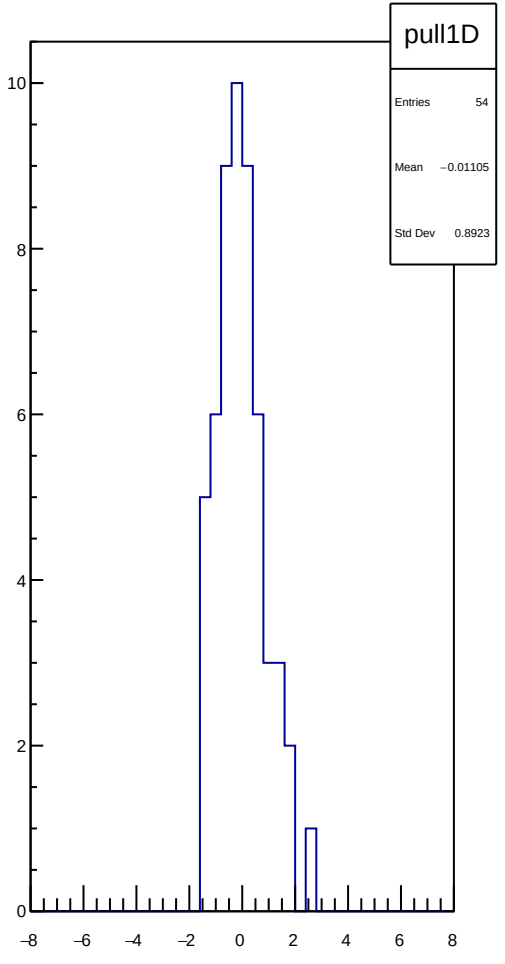

asym_atr_avg_eigen_cor_correction_rms vs run
χ² / ndf 1824 / 53
p0 6205 ± 6.033
7200
7000
6800
6600
6400
6200
6000
5800
5600
5400
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

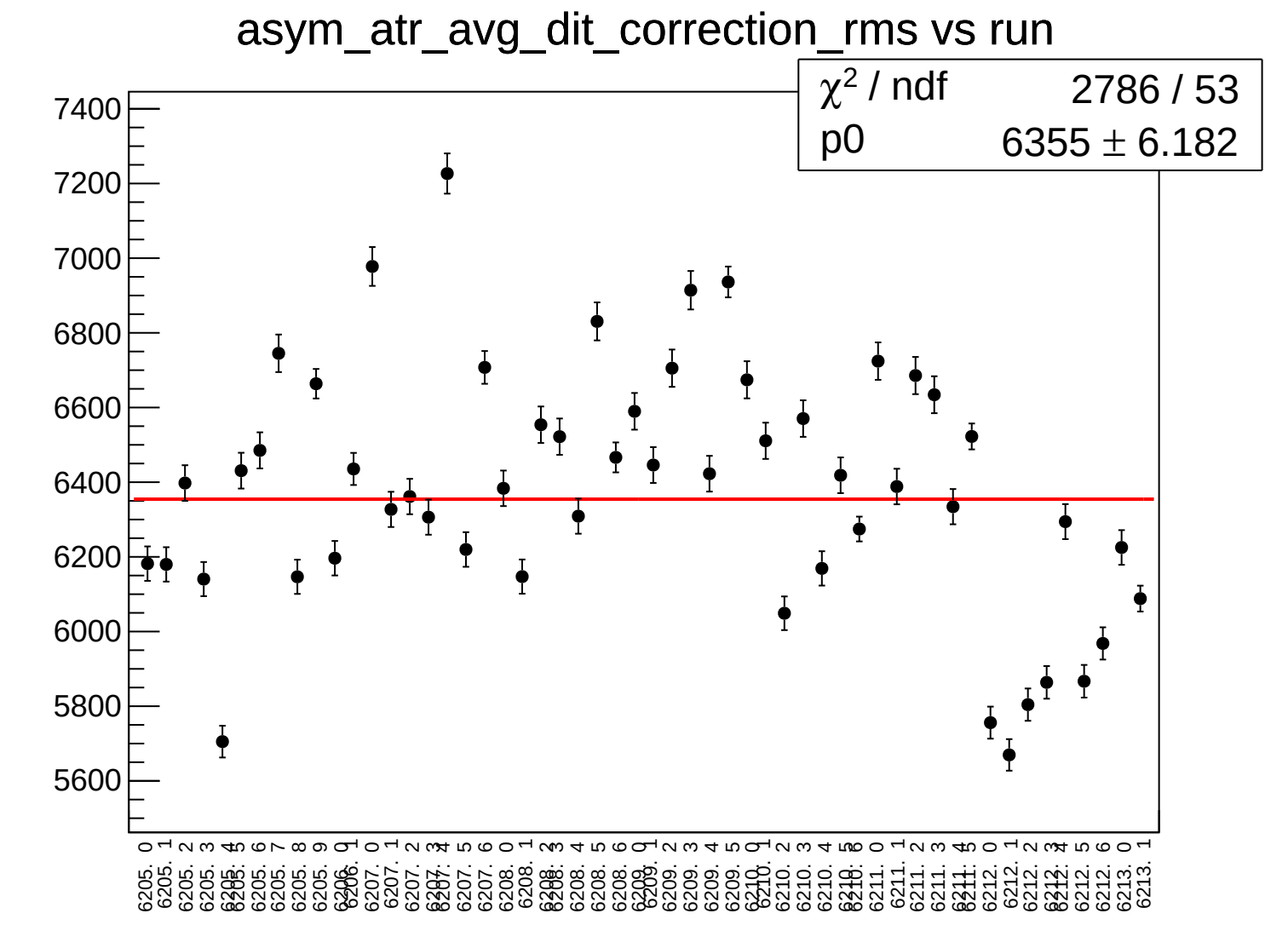

dit_asym_atr_avg_mean vs run
χ² / ndf 50.93 / 53
p0 2066 ± 2728
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 196.3
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

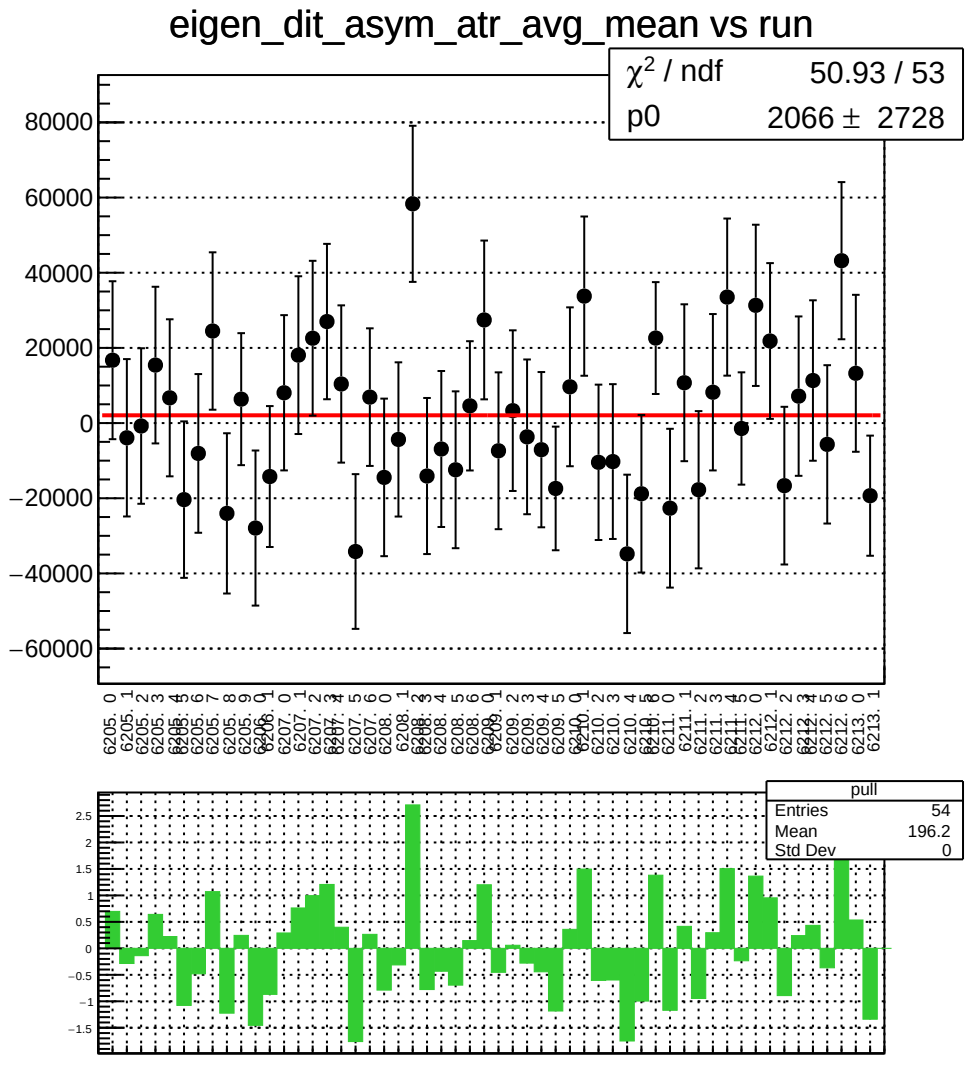

pull1D
Entries 54
Mean 0.005743
Std Dev 0.9711
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

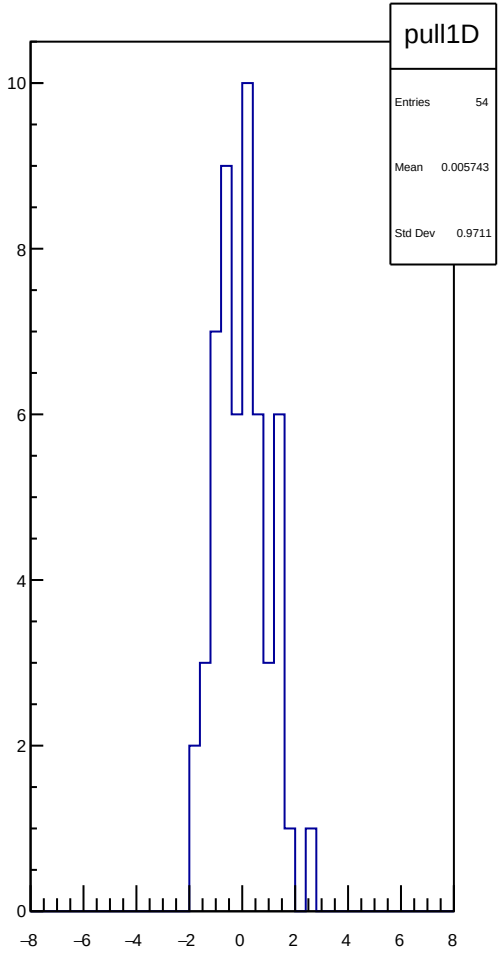

dit_asym_atr_avg_rms vs run
χ² / ndf 196.4 / 53
p0 1985 ± 1.929
2120
2100
2080
2060
2040
2020
2000
1980
1960
1940
1920
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

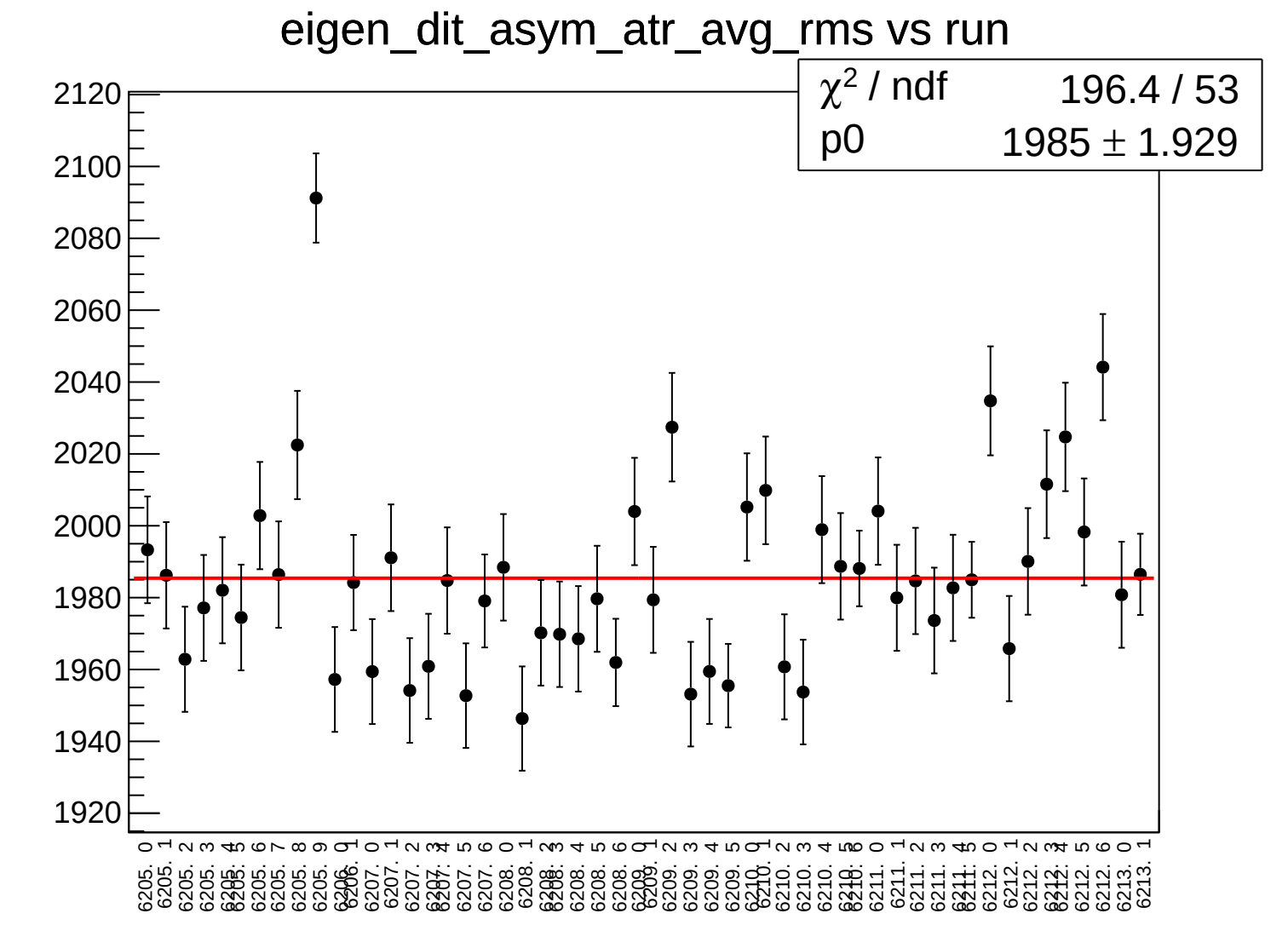

asym_atr_avg_dit_correction_mean vs run
×10^3
χ² / ndf 43 / 53
p0 4872 ± 8742
pull
Entries 54
Mean −54.76
Std Dev 0

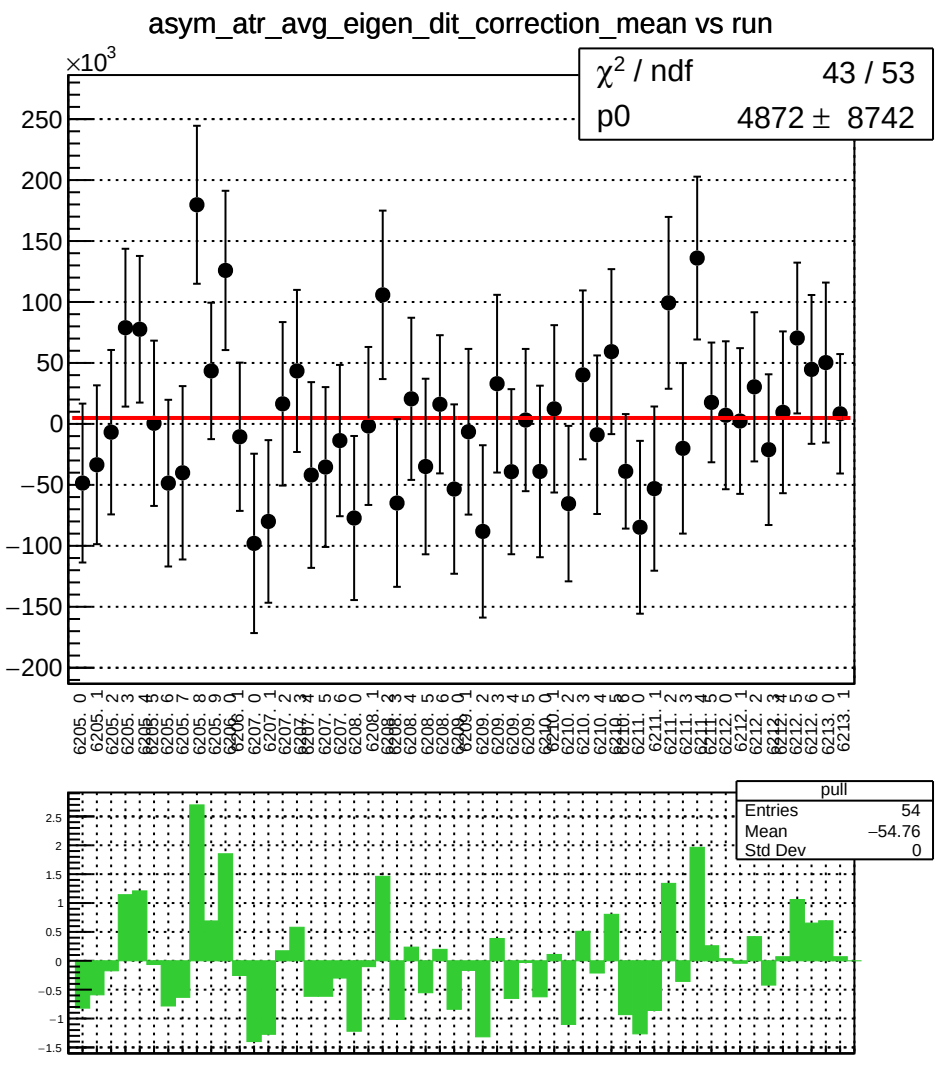

pull1D
Entries 54
Mean −0.01105
Std Dev 0.8923

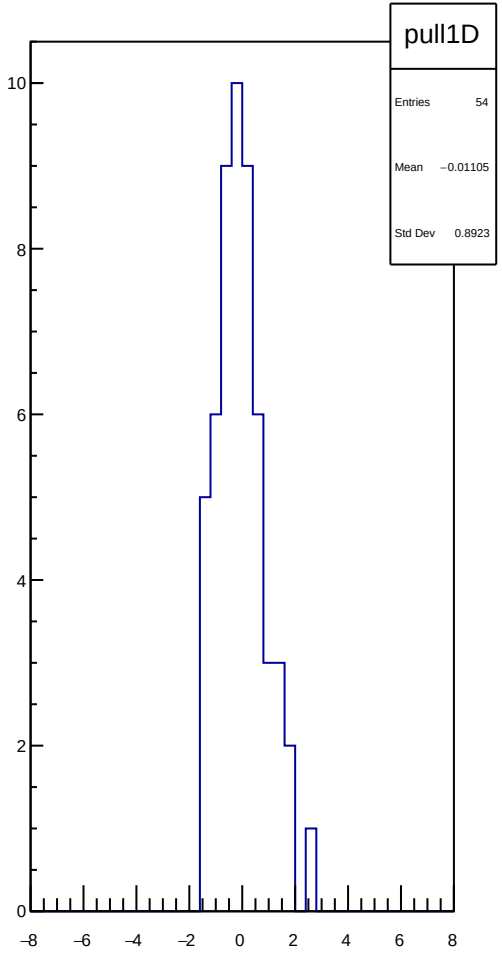

asym_atr_avg_dit_correction_rms vs run
χ² / ndf 2786 / 53
p0 6355 ± 6.182
7400
7200
7000
6800
6600
6400
6200
6000
5800
5600
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

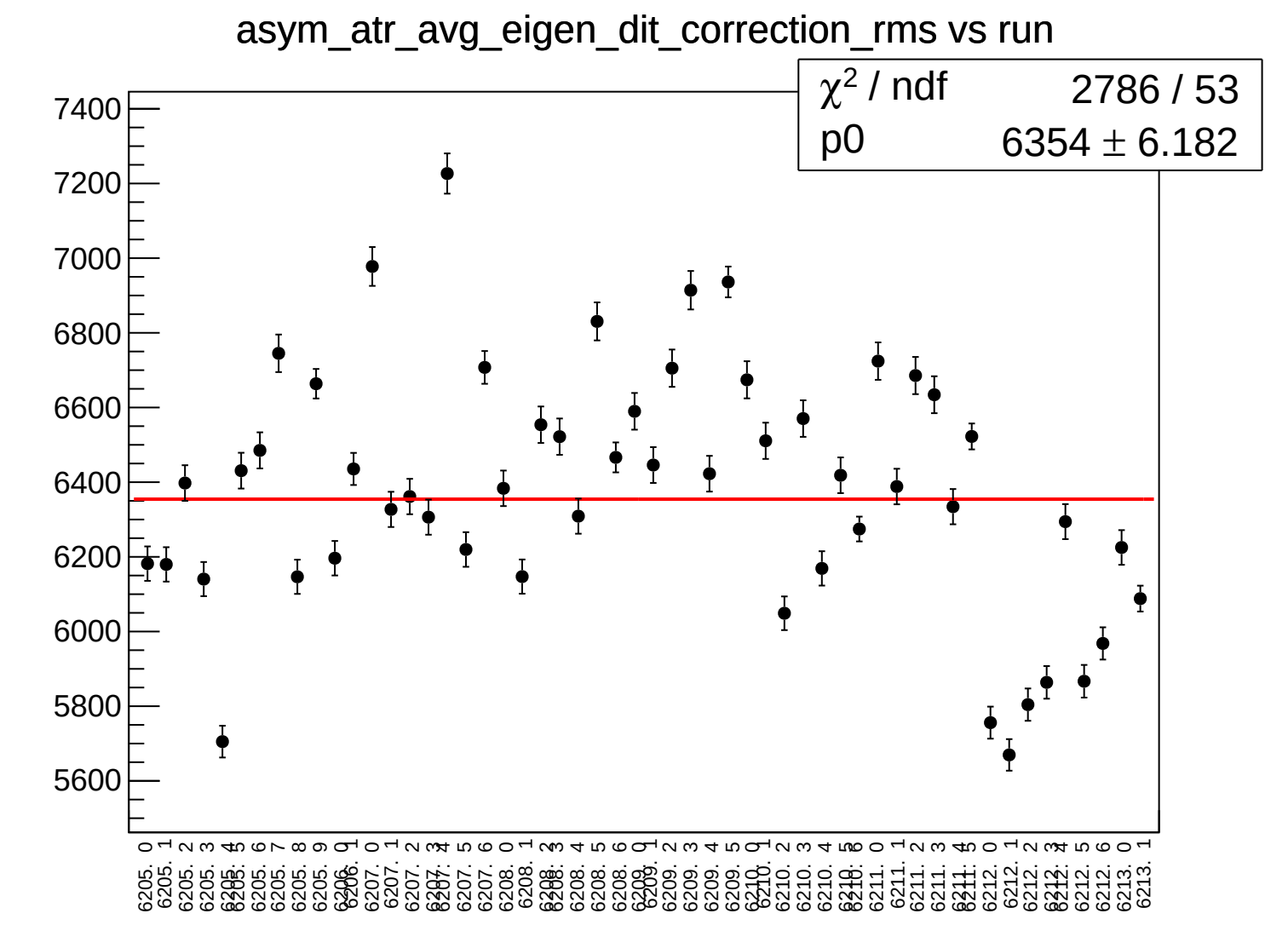

eigen_dit_asym_atr_avg_mean vs run
χ² / ndf 50.93 / 53
p0 2066 ± 2728
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 196.2
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

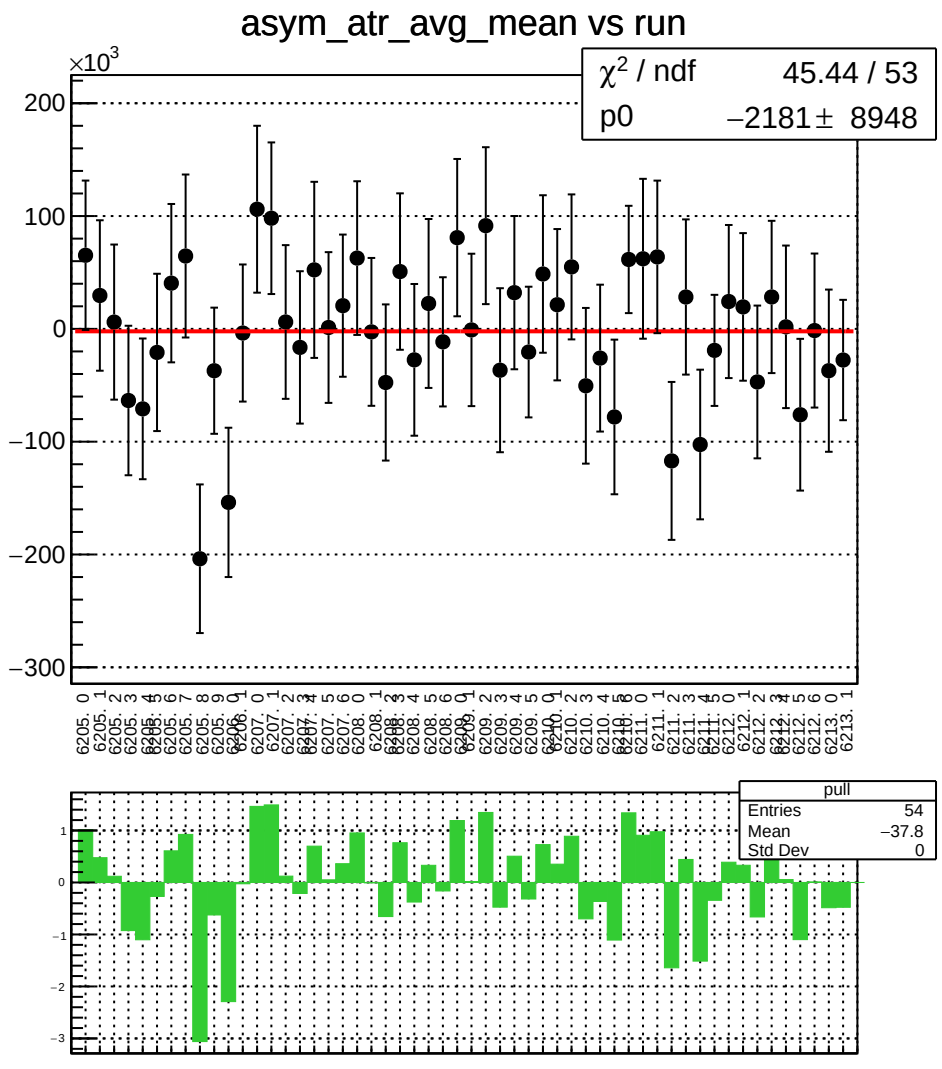

pull1D
Entries 54
Mean 0.005743
Std Dev 0.9711
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

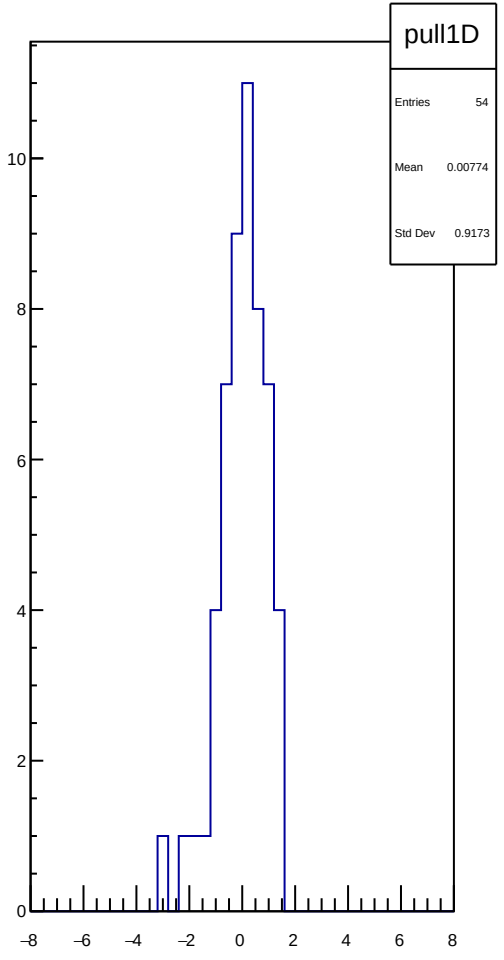

eigen_dit_asym_atr_avg_rms vs run
χ² / ndf 196.4 / 53
p0 1985 ± 1.929
2120
2100
2080
2060
2040
2020
2000
1980
1960
1940
1920
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

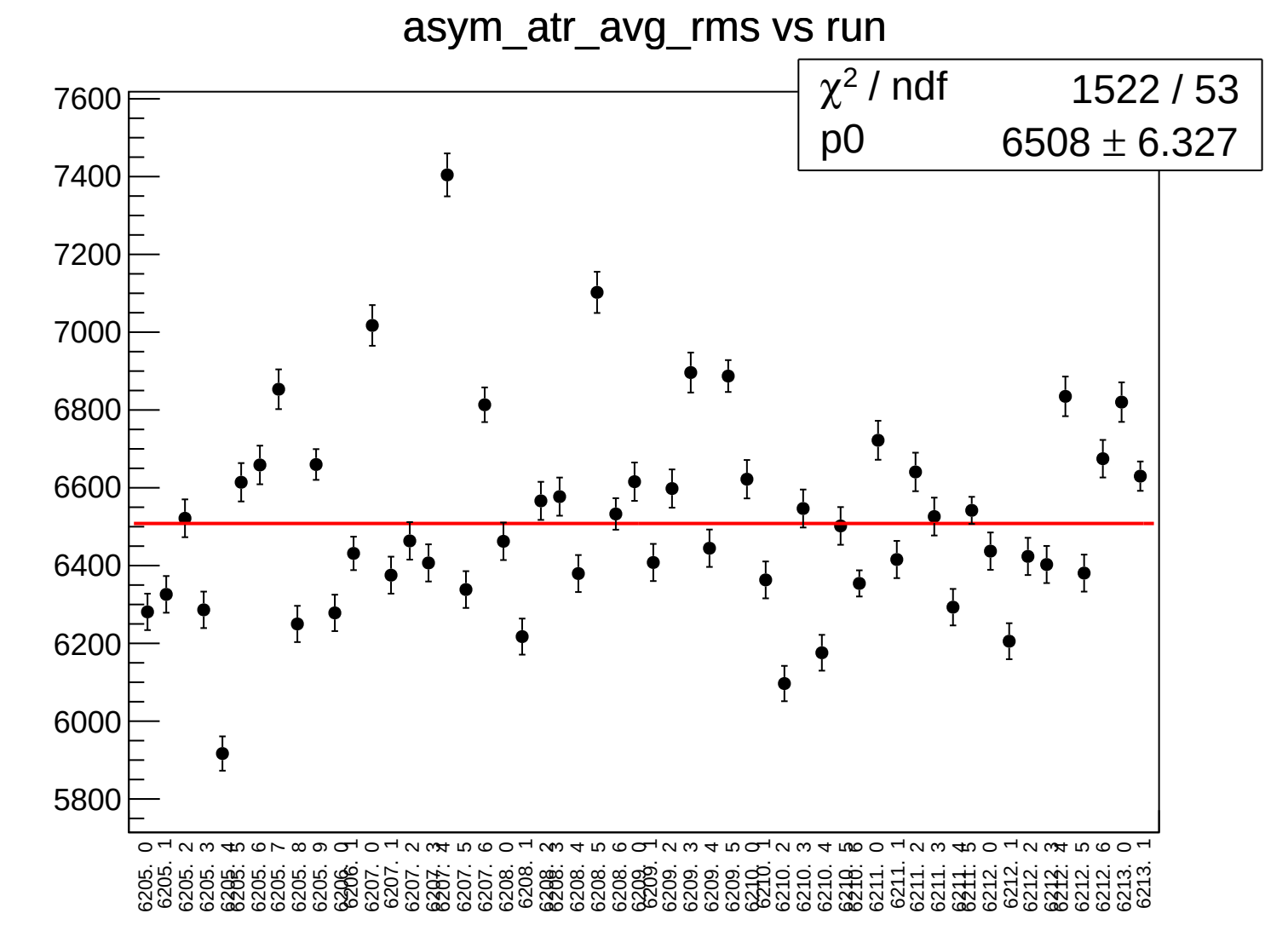

asym_atr_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 43 / 53
p0 4872 ± 8742
pull
Entries 54
Mean −54.76
Std Dev 0

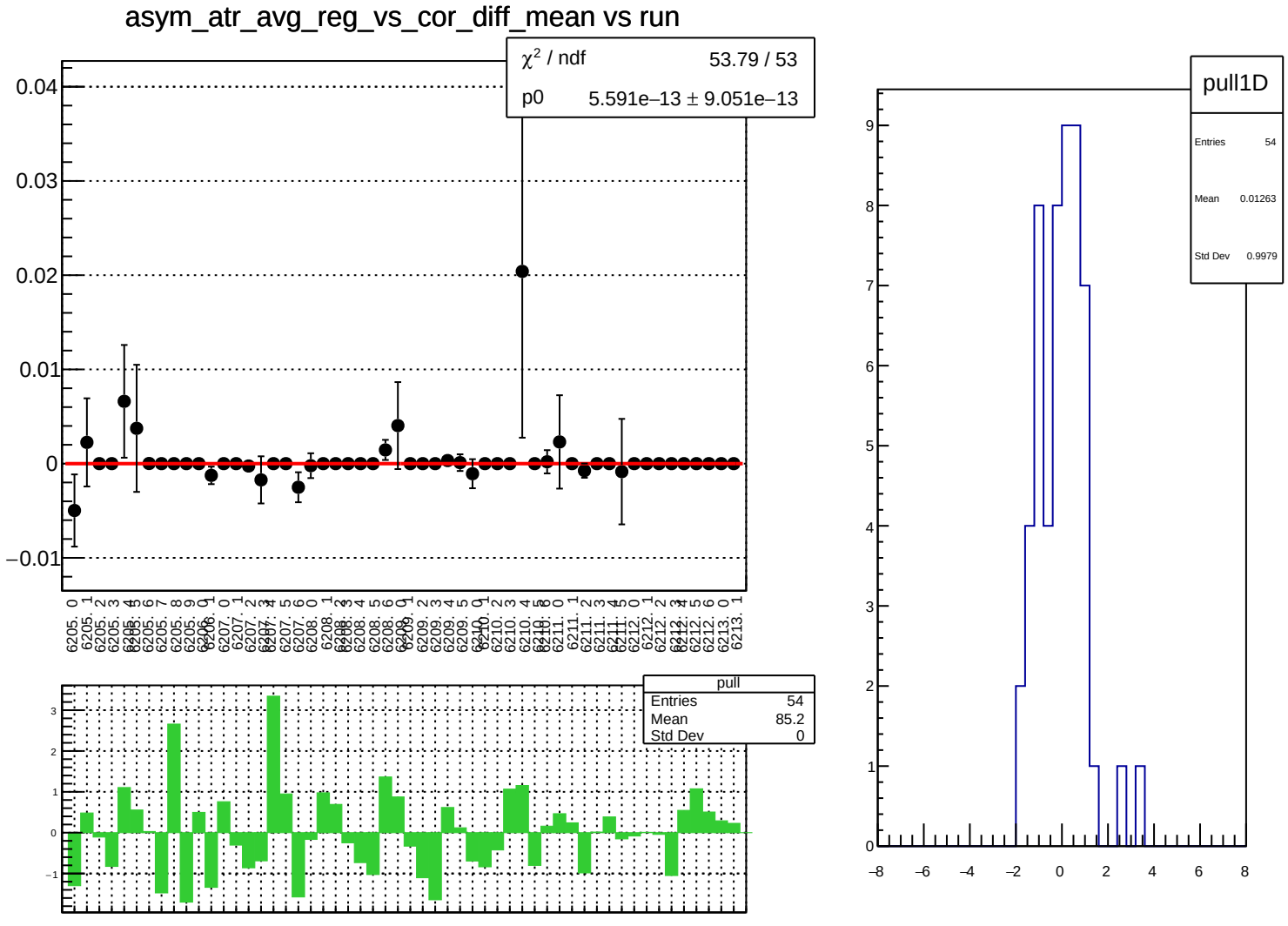

pull1D
Entries 54
Mean −0.01105
Std Dev 0.8923

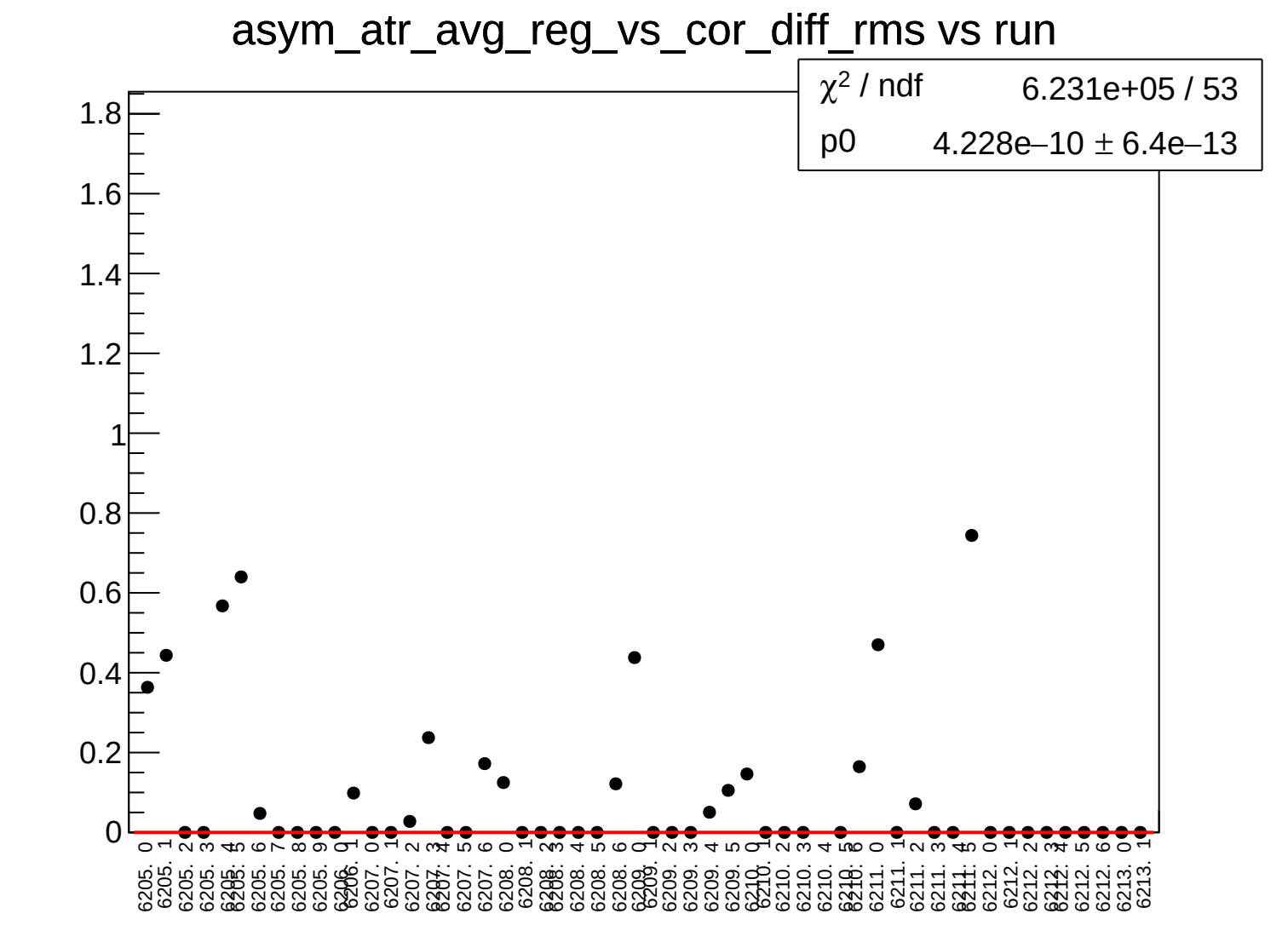

asym_atr_avg_eigen_dit_correction_rms vs run
χ² / ndf 2786 / 53
p0 6354 ± 6.182
7400
7200
7000
6800
6600
6400
6200
6000
5800
5600
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

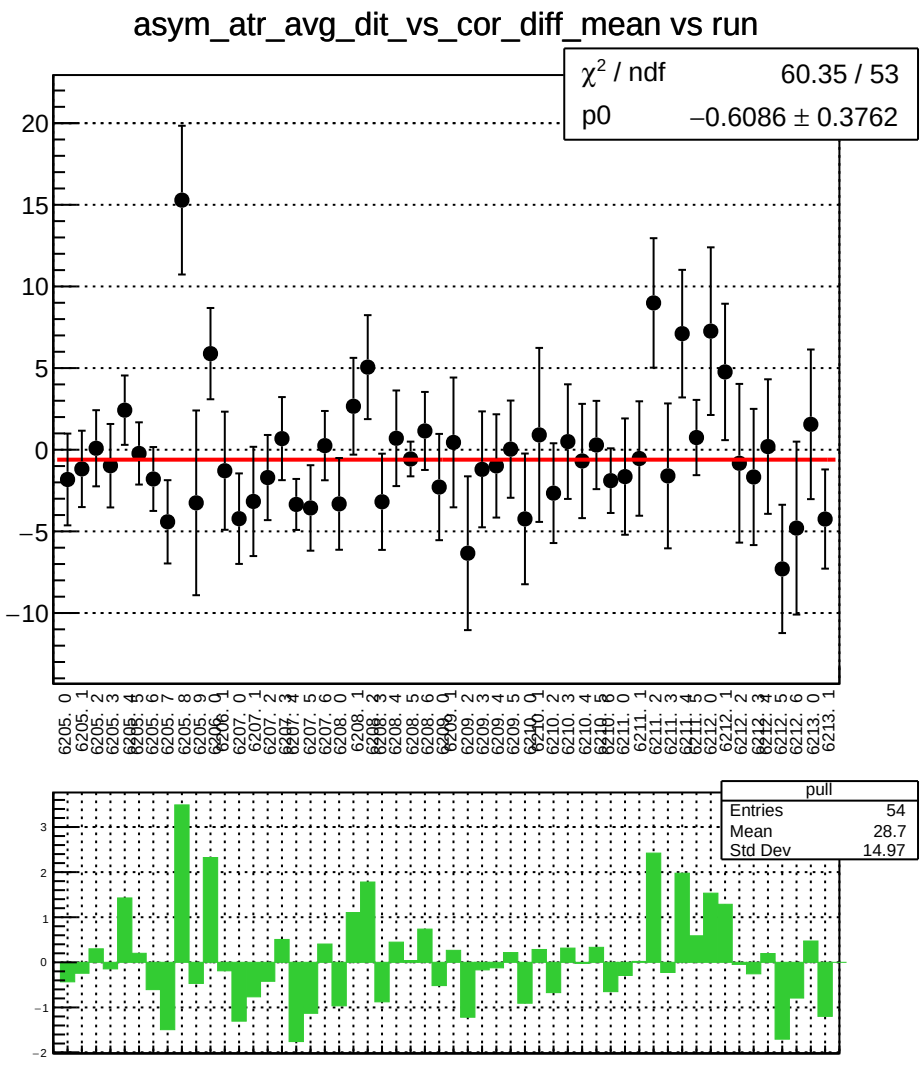

asym_atr_avg_mean vs run
×10^3
χ² / ndf 45.44 / 53
p0 −2181 ± 8948
200
100
0
−100
−200
−300
pull
Entries 54
Mean −37.8
Std Dev 0

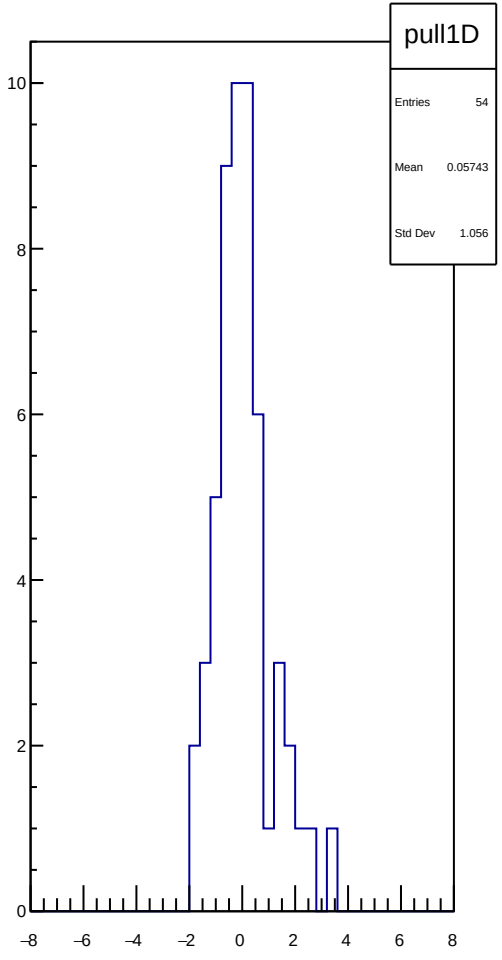

pull1D
Entries 54
Mean 0.00774
Std Dev 0.9173
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

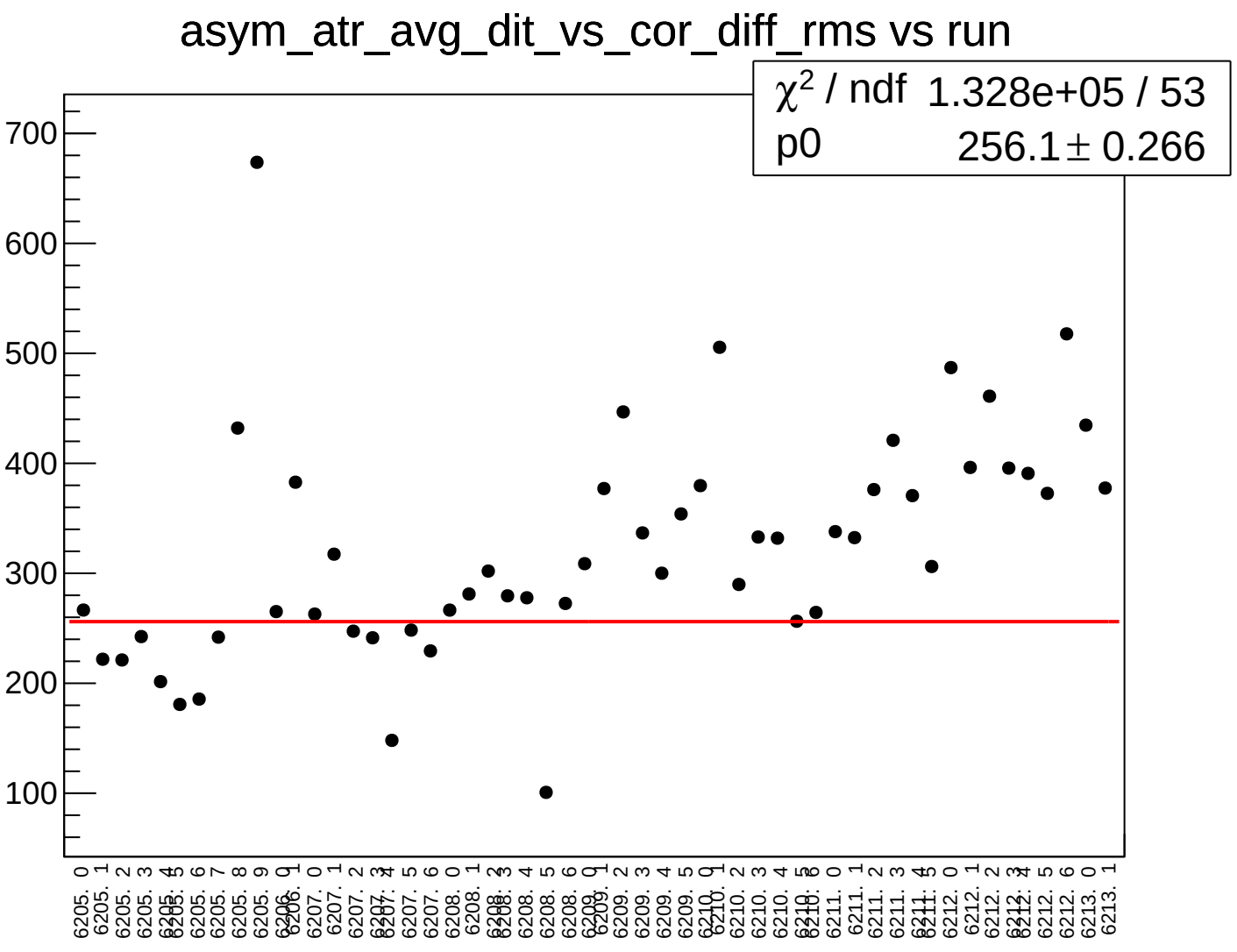

asym_atr_avg_rms vs run
χ² / ndf 1522 / 53
p0 6508 ± 6.327
7600
7400
7200
7000
6800
6600
6400
6200
6000
5800
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

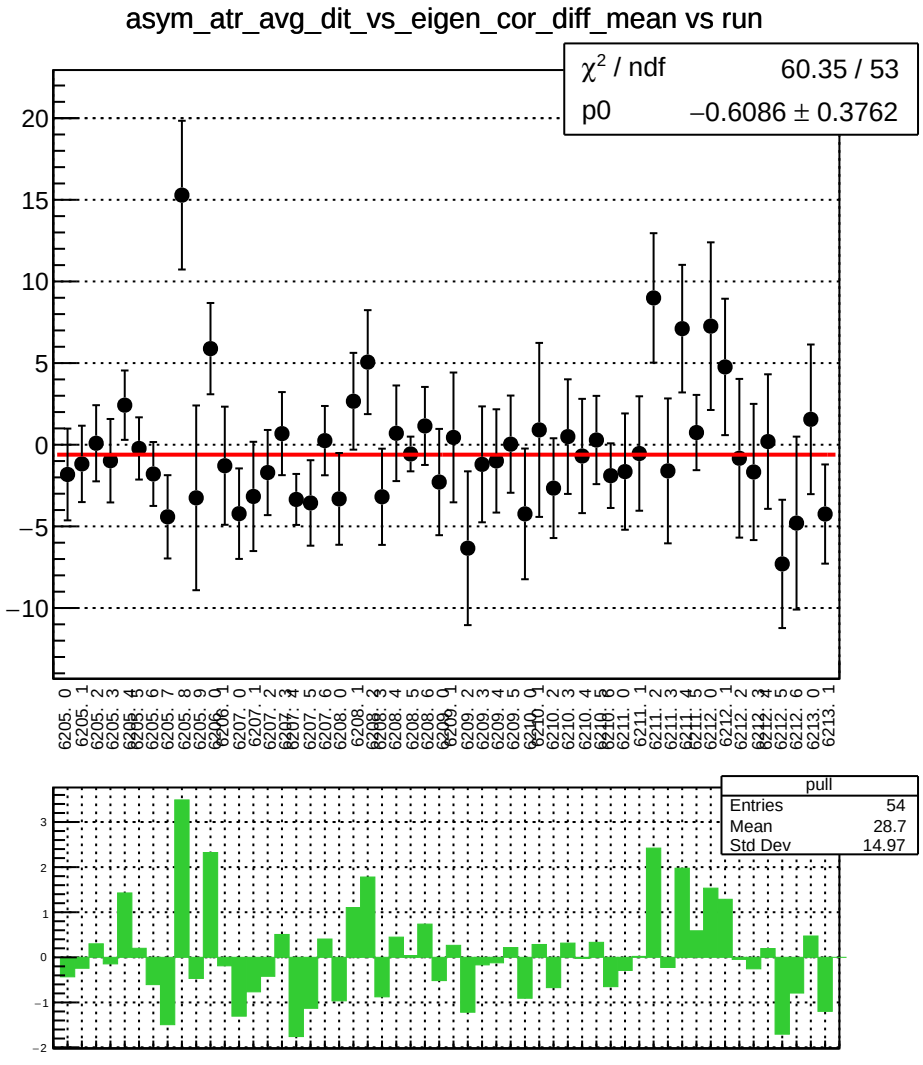

asym_atr_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 53.79 / 53
p0 5.591e−13 ± 9.051e−13
pull
Entries 54
Mean 85.2
Std Dev 0
pull1D
Entries 54
Mean 0.01263
Std Dev 0.9979

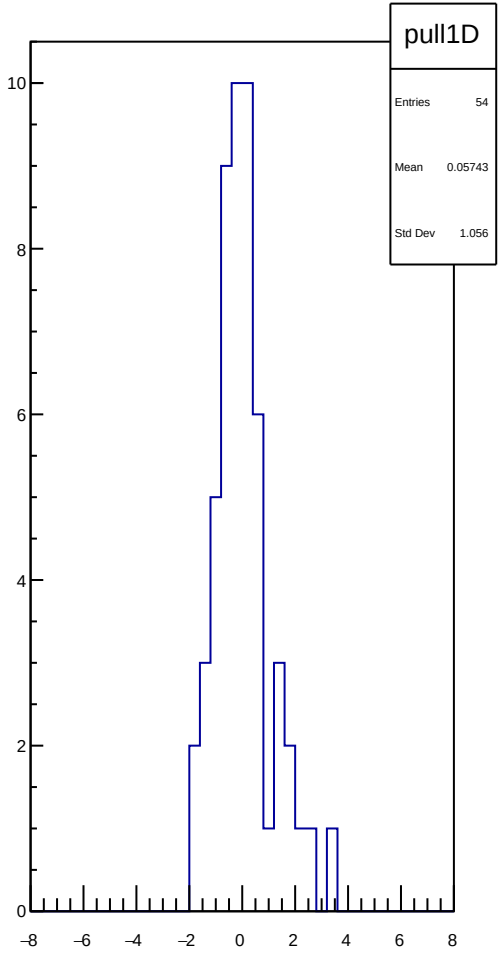

asym_atr_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.231e+05 / 53
p0 4.228e−10 ± 6.4e−13
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 5
6212. 6
6213. 0
6213. 1

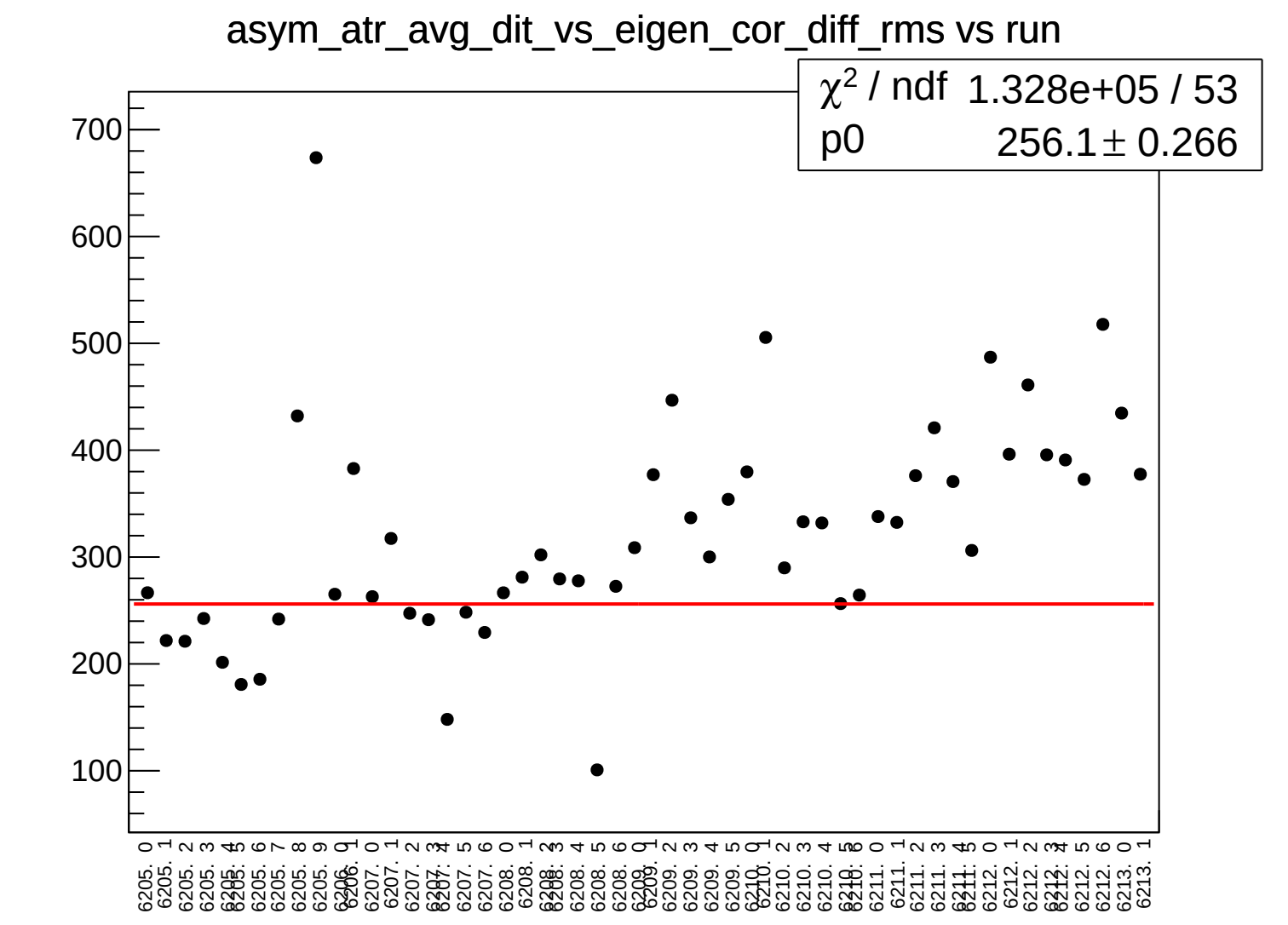

asym_atr_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 60.35 / 53
p0 −0.6086 ± 0.3762
pull
Entries 54
Mean 28.7
Std Dev 14.97

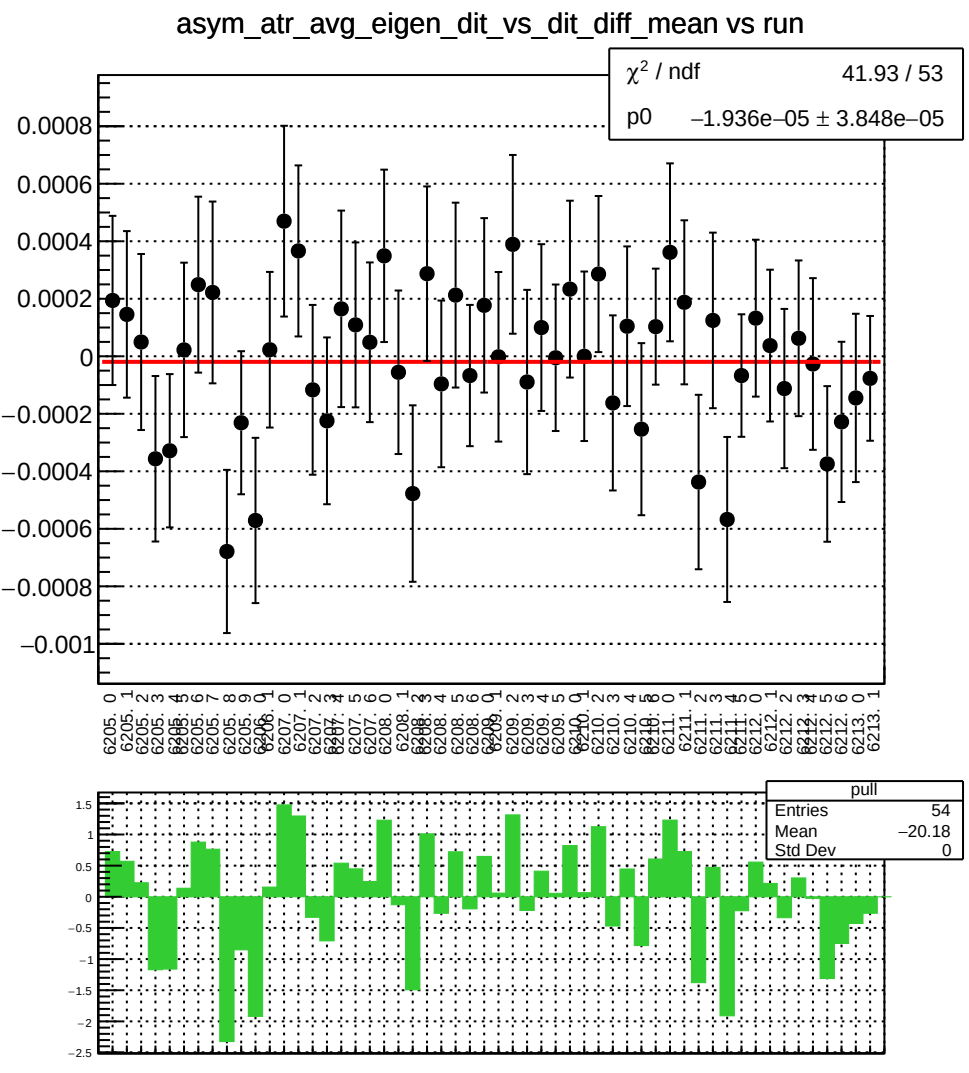

pull1D
Entries 54
Mean 0.05743
Std Dev 1.056

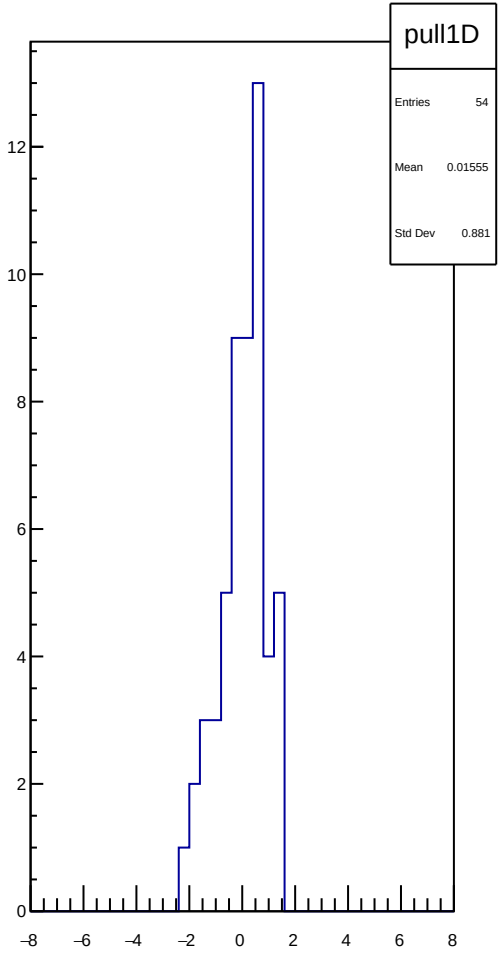

asym_atr_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.328e+05 / 53
p0 256.1 ± 0.266
700
600
500
400
300
200
100
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

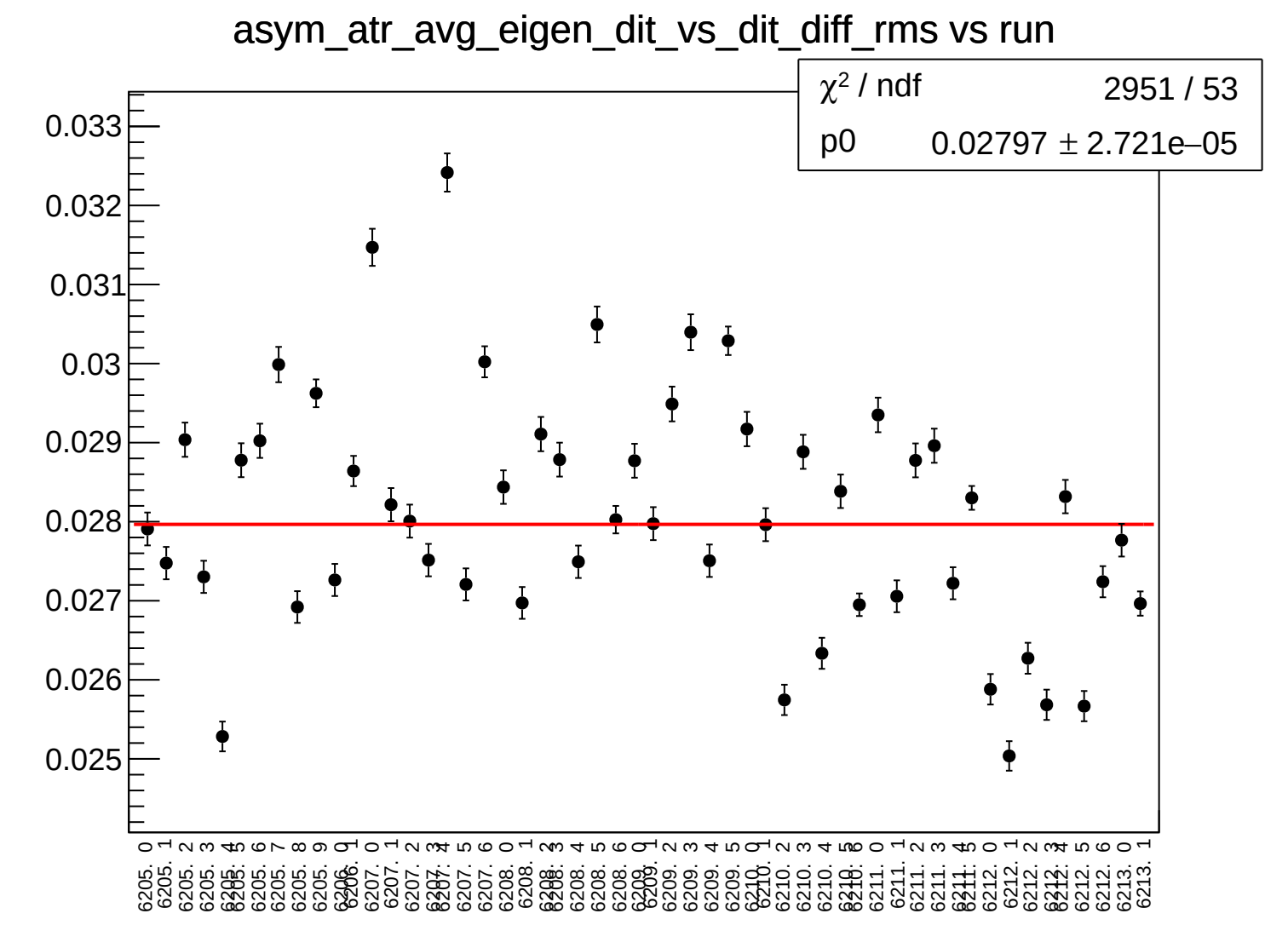

asym_atr_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 60.35 / 53
p0 −0.6086 ± 0.3762
pull
Entries 54
Mean 28.7
Std Dev 14.97

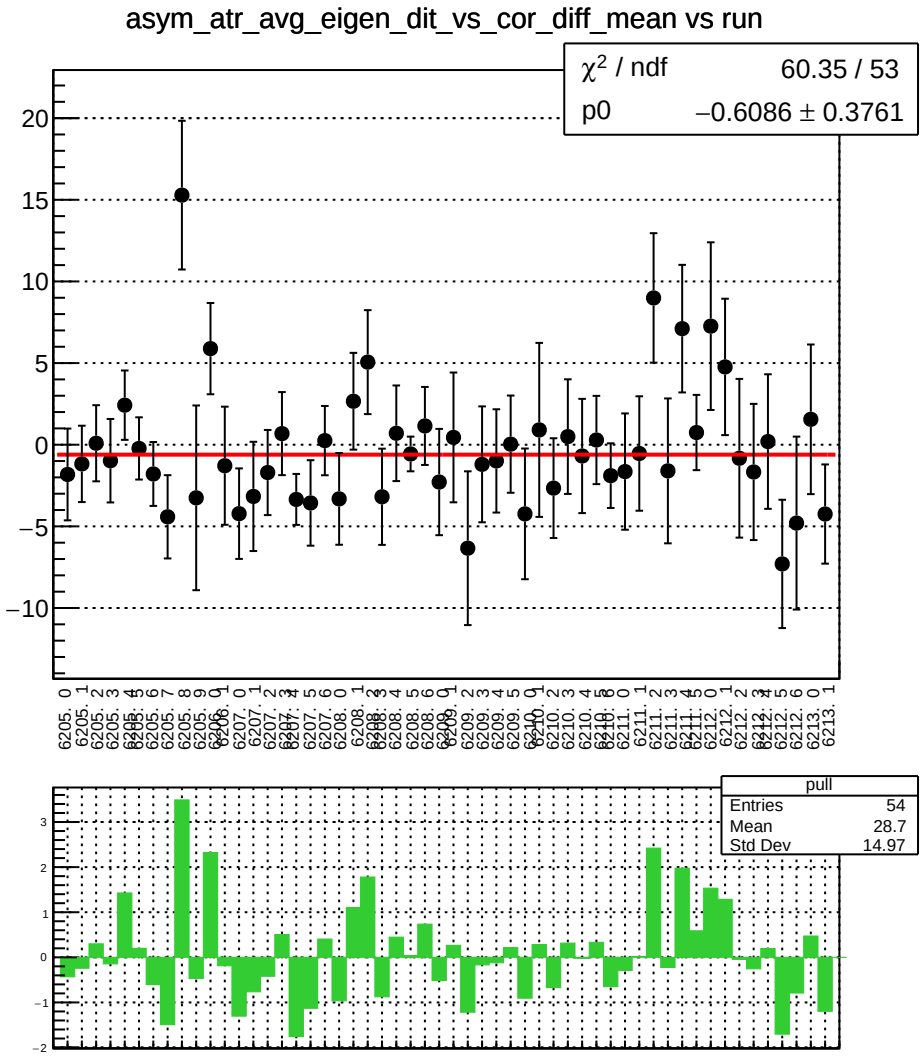

pull1D
Entries 54
Mean 0.05743
Std Dev 1.056

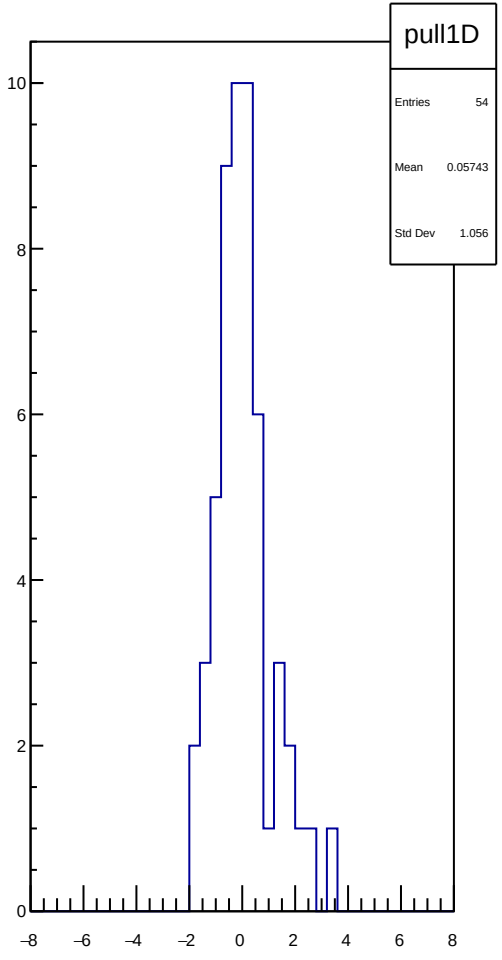

asym_atr_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.328e+05 / 53
p0 256.1 ± 0.266
700
600
500
400
300
200
100
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

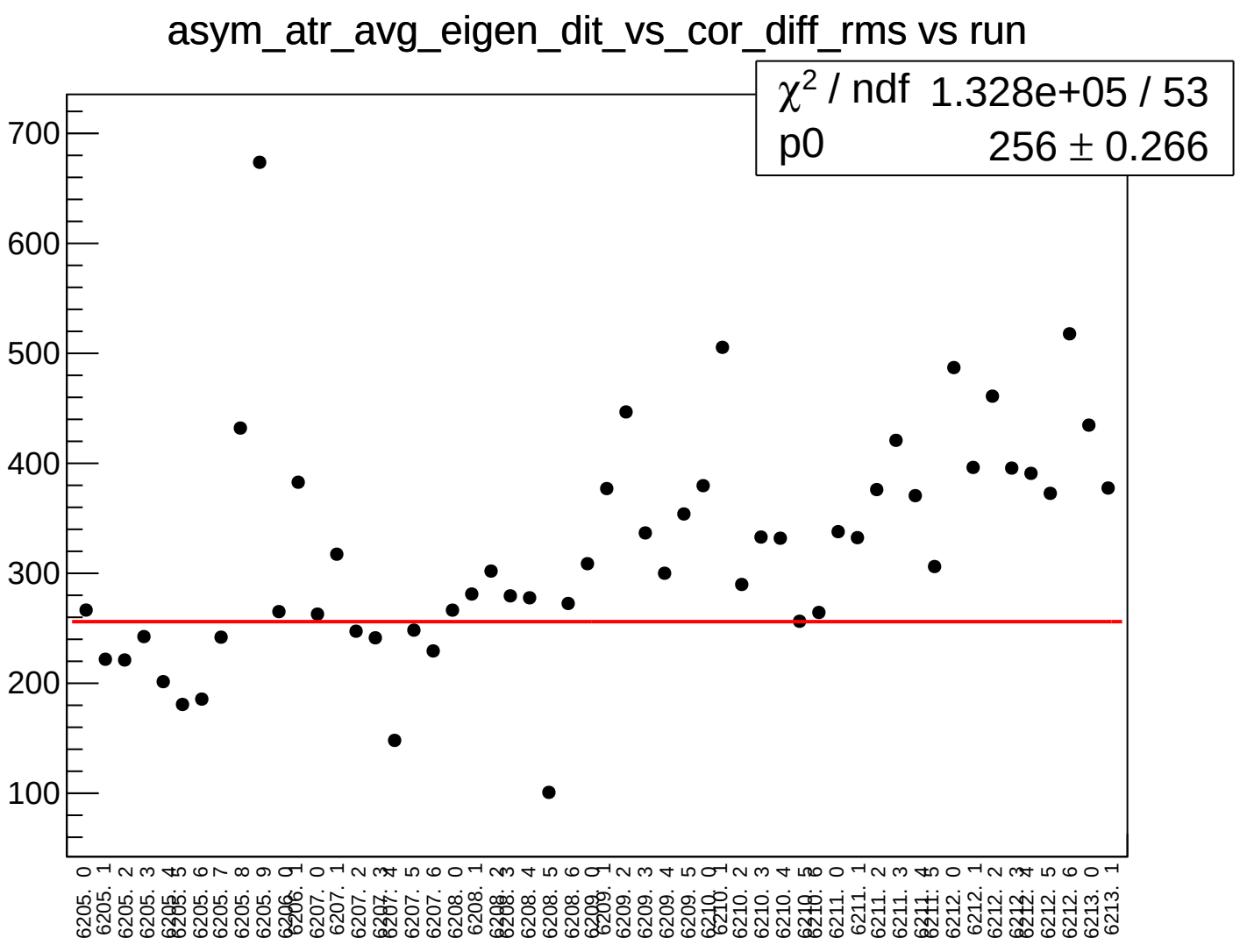

asym_atr_avg_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 41.93 / 53
p0 −1.936e−05 ± 3.848e−05
pull
Entries 54
Mean −20.18
Std Dev 0

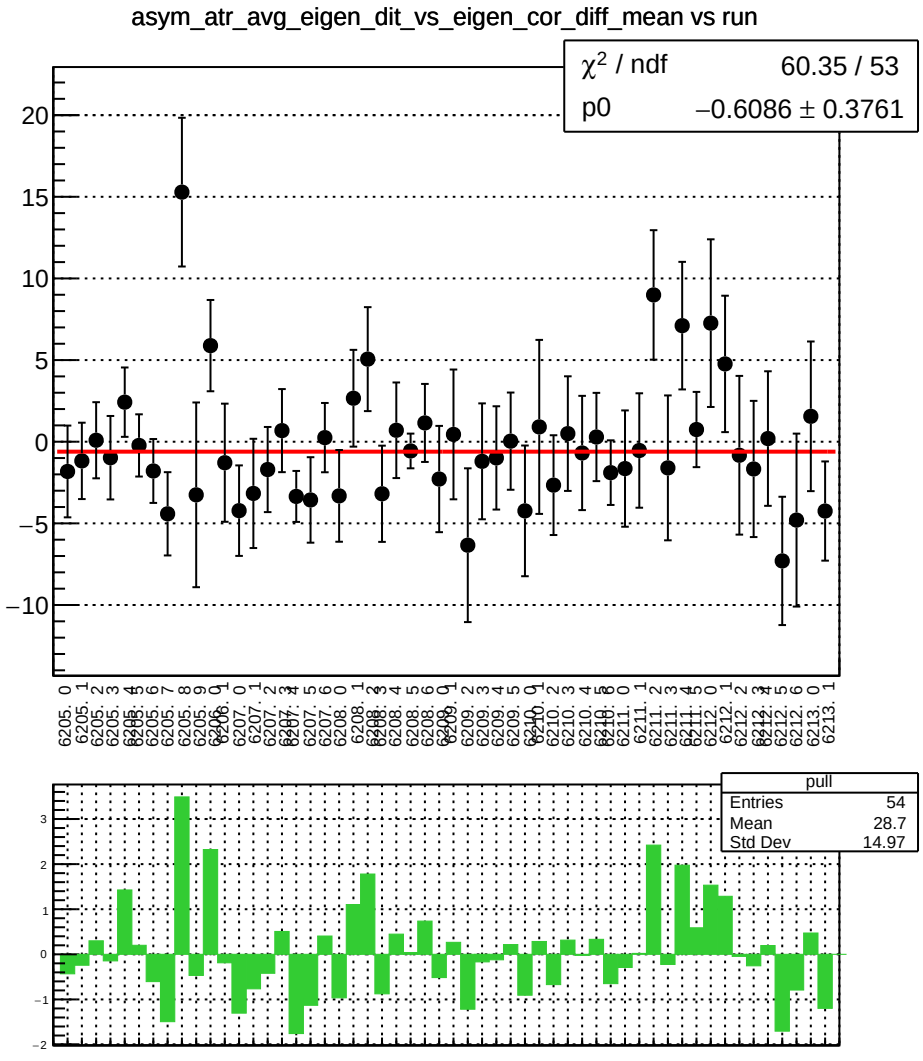

pull1D
Entries 54
Mean 0.01555
Std Dev 0.881

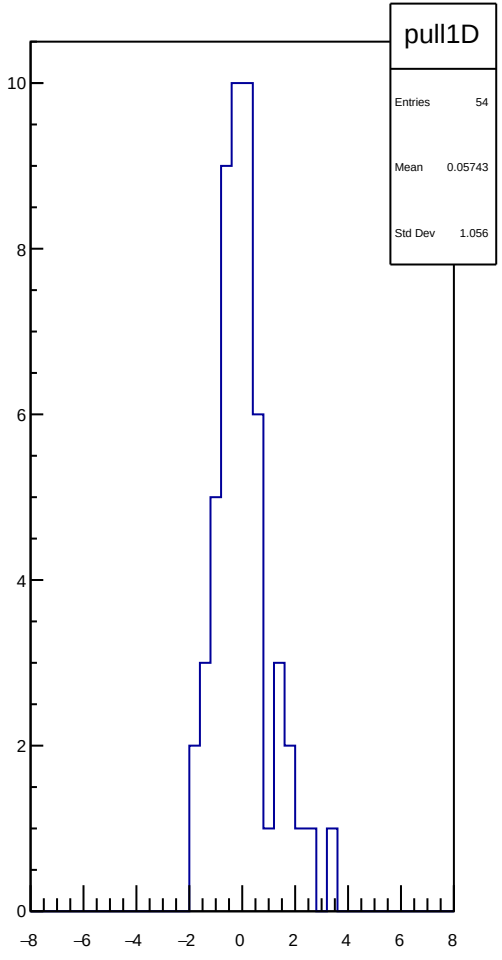

asym_atr_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2951 / 53
p0 0.02797 ± 2.721e–05
0.033
0.032
0.031
0.03
0.029
0.028
0.027
0.026
0.025
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

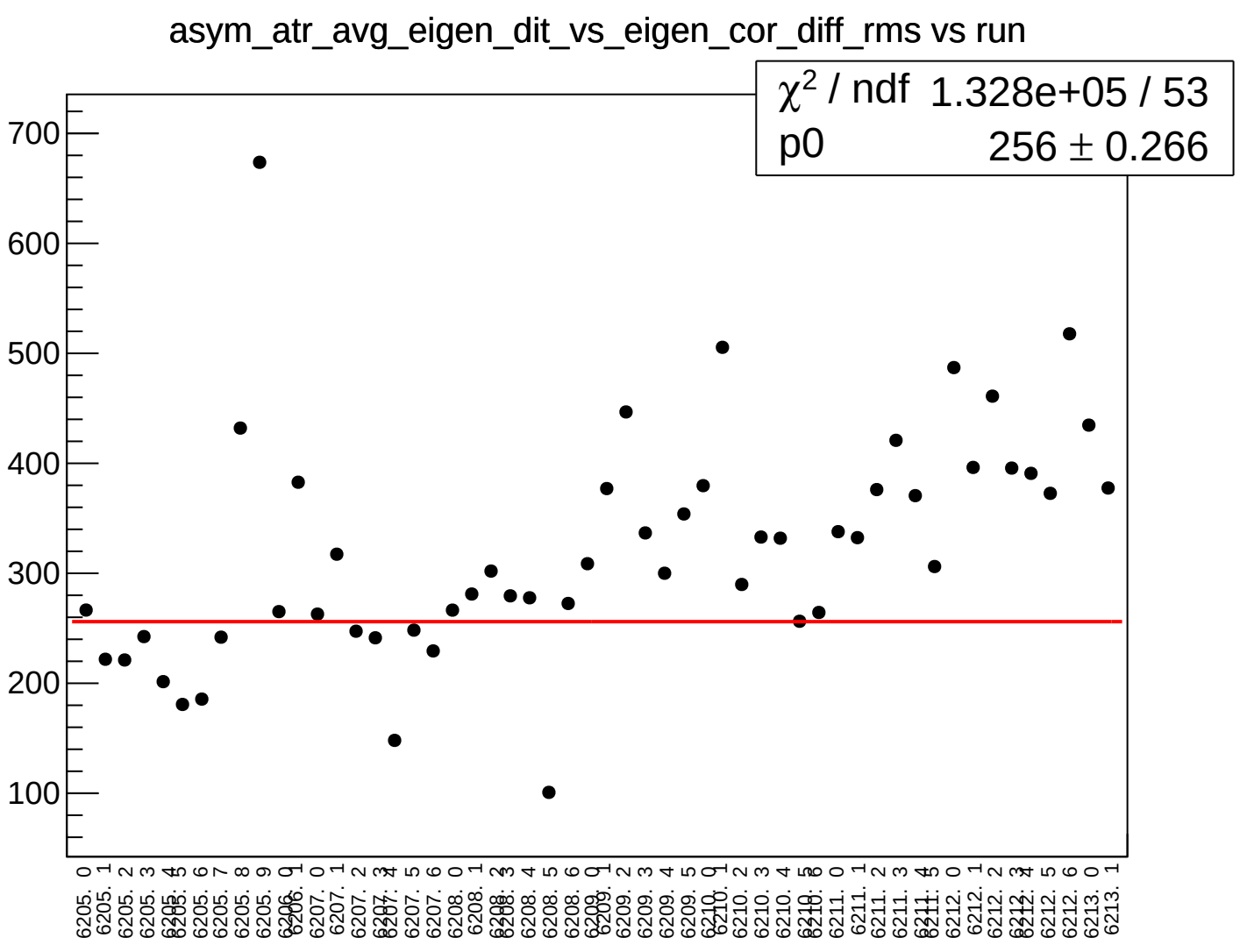

asym_atr_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 60.35 / 53
p0 −0.6086 ± 0.3761
pull
Entries 54
Mean 28.7
Std Dev 14.97

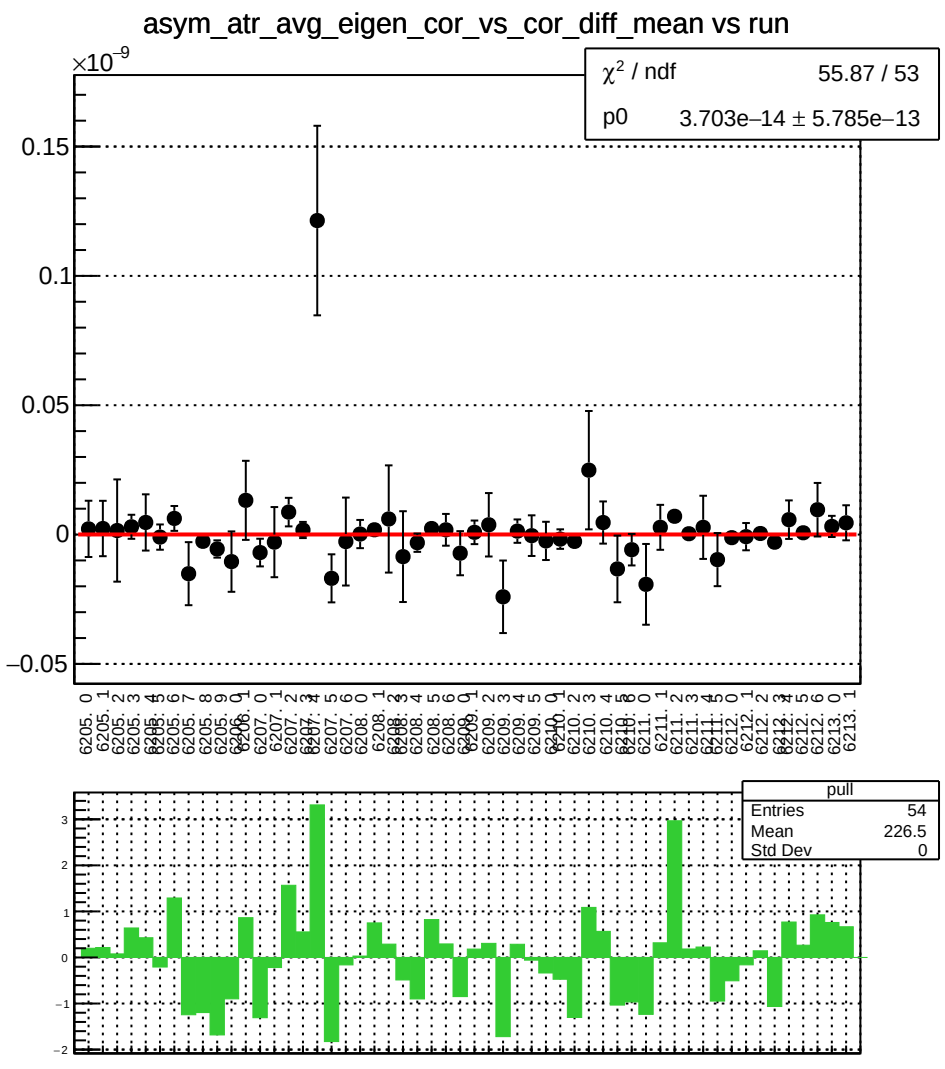

pull1D
Entries 54
Mean 0.05743
Std Dev 1.056

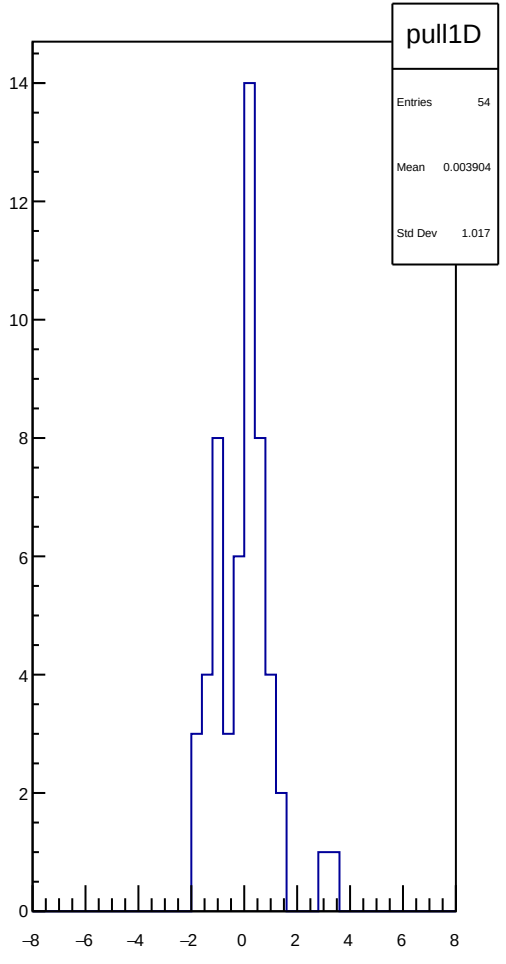

asym_atr_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.328e+05 / 53
p0 256 ± 0.266
700
600
500
400
300
200
100
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

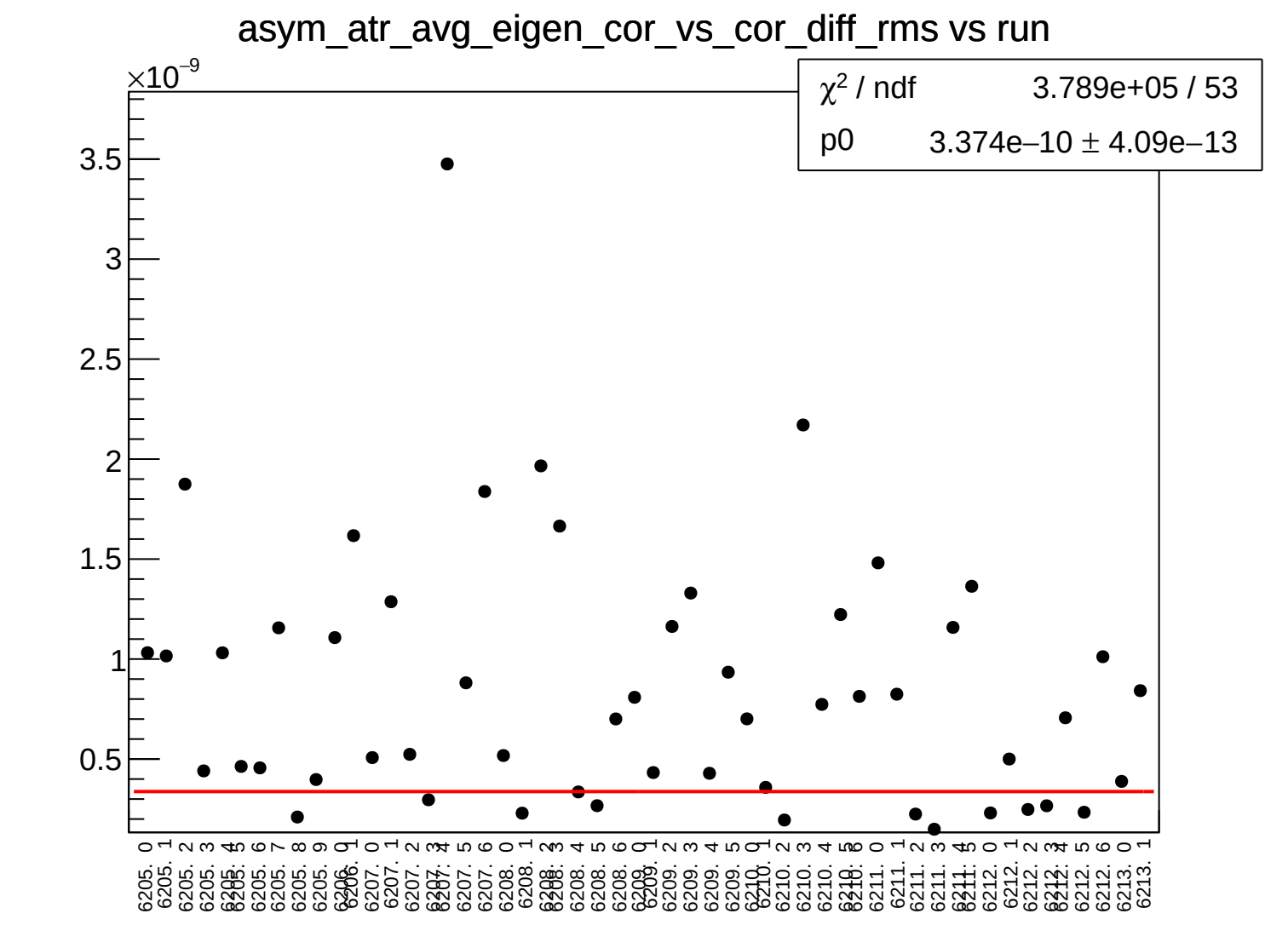

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 60.35 / 53
p0 −0.6086 ± 0.3761
pull
Entries 54
Mean 28.7
Std Dev 14.97

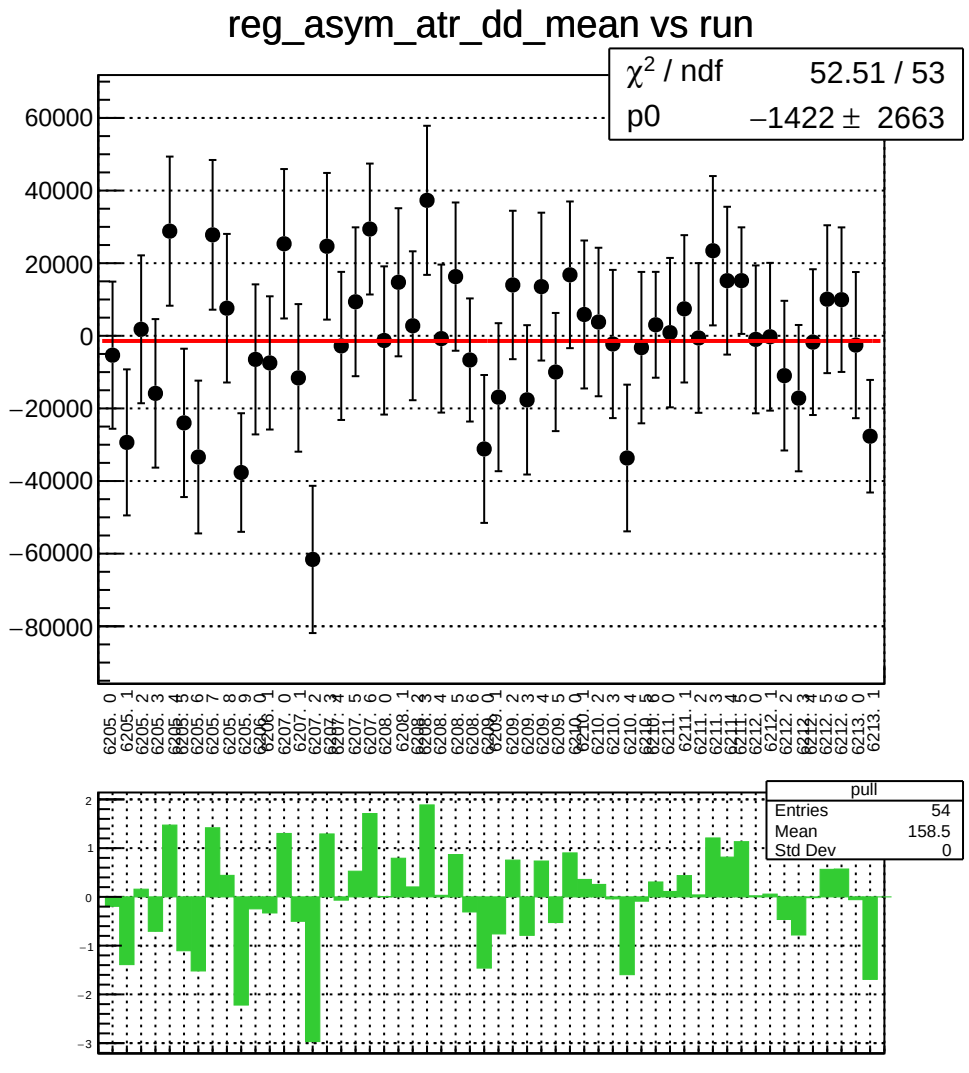

pull1D
Entries 54
Mean 0.05743
Std Dev 1.056

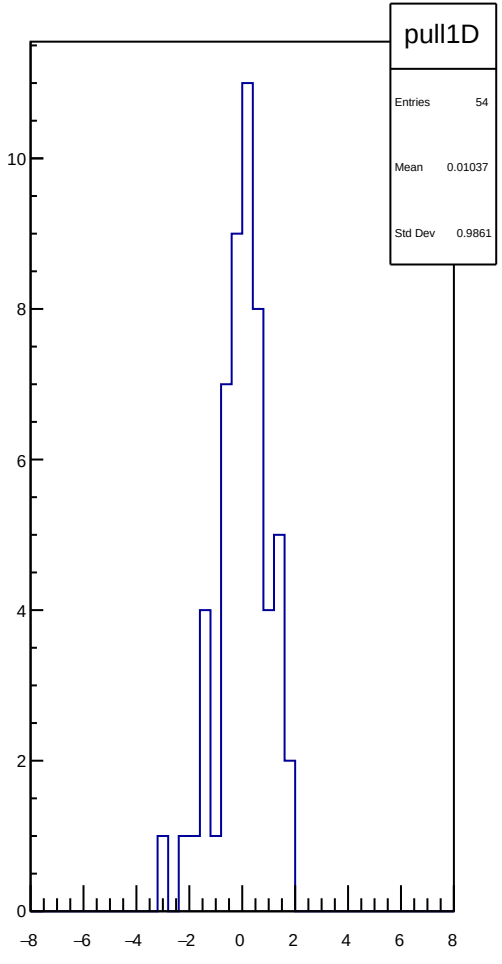

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.328e+05 / 53
p0 256 ± 0.266
700
600
500
400
300
200
100

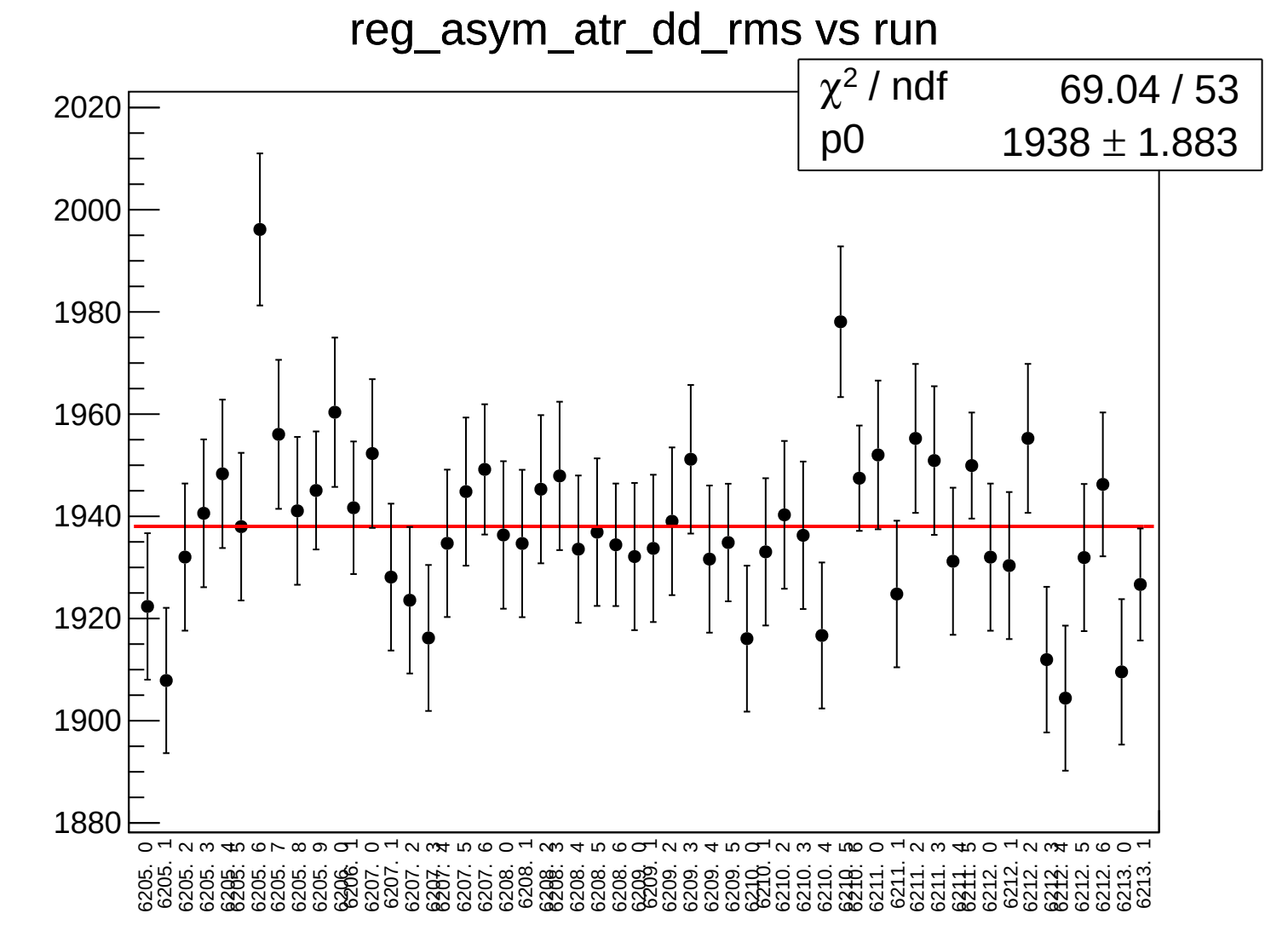

asym_atr_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻⁹
χ² / ndf 55.87 / 53
p0 3.703e−14 ± 5.785e−13
0.15
0.1
0.05
0
−0.05
pull
Entries 54
Mean 226.5
Std Dev 0
3
2
1
0
−1
−2

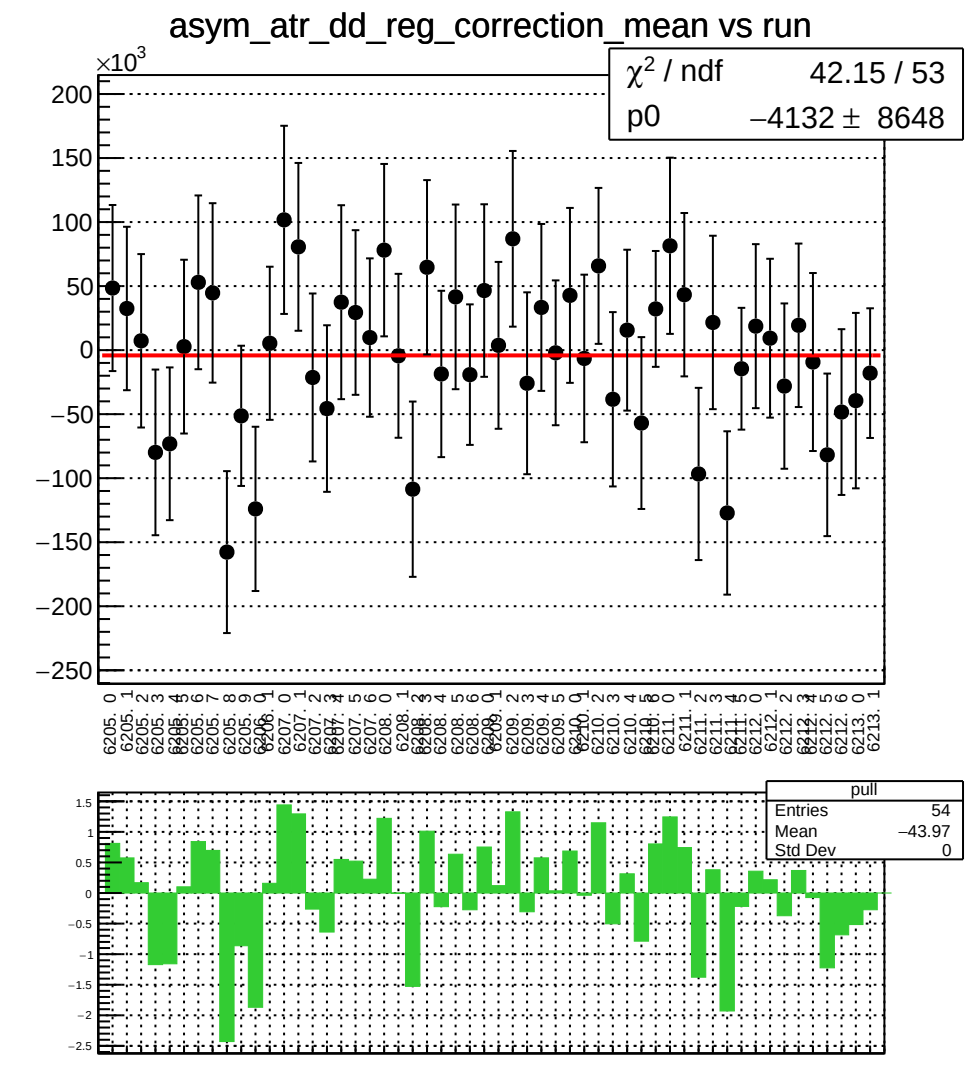

pull1D
Entries 54
Mean 0.003904
Std Dev 1.017
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

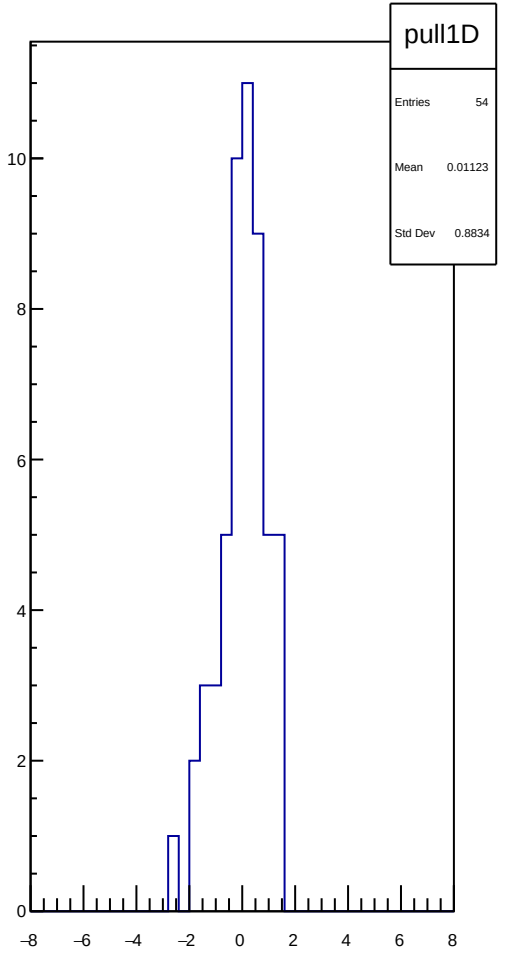

asym_atr_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.789e+05 / 53
p0 3.374e−10 ± 4.09e−13
3.5
3
2.5
2
1.5
1
0.5
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

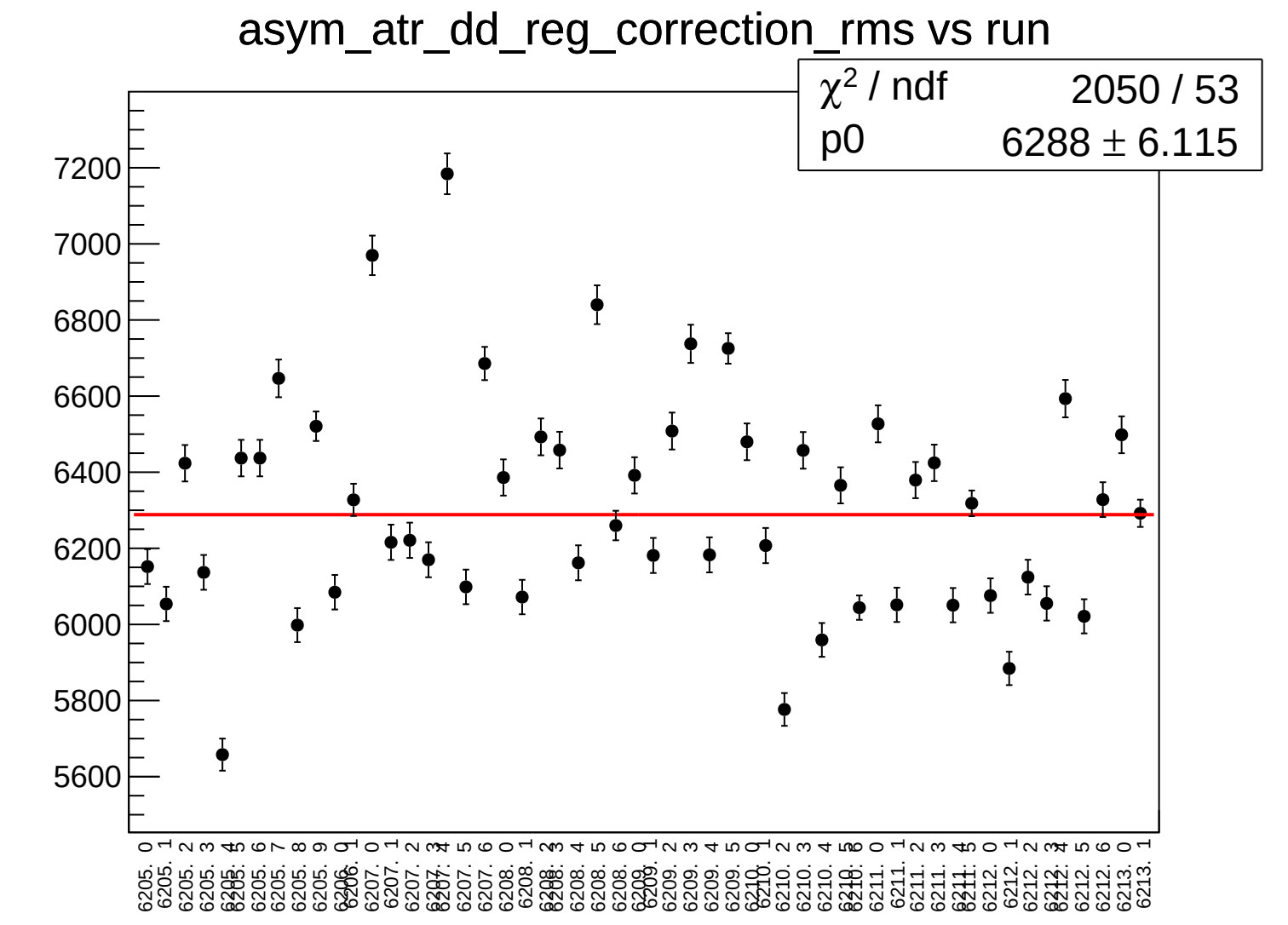

reg_asym_atr_dd_mean vs run
χ² / ndf 52.51 / 53
p0 −1422 ± 2663
pull
Entries 54
Mean 158.5
Std Dev 0

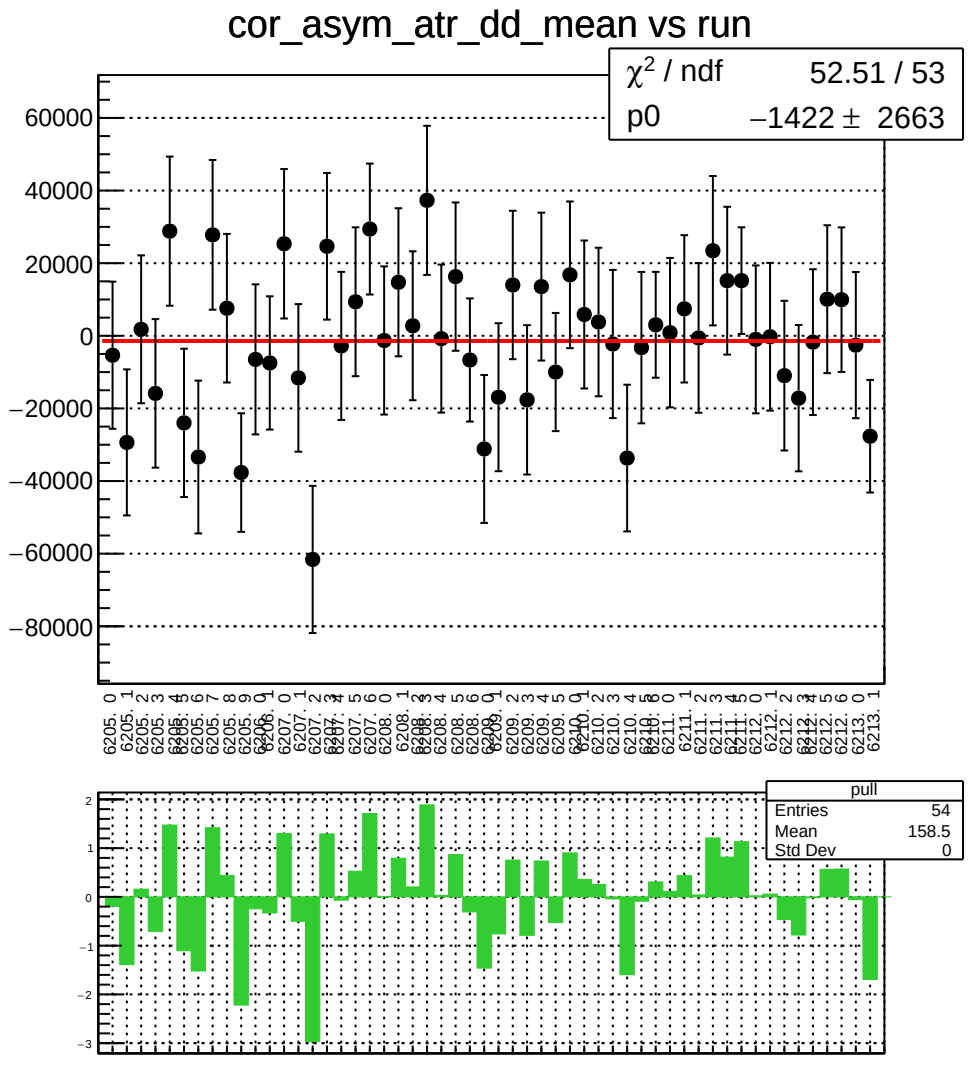

pull1D
Entries 54
Mean 0.01037
Std Dev 0.9861

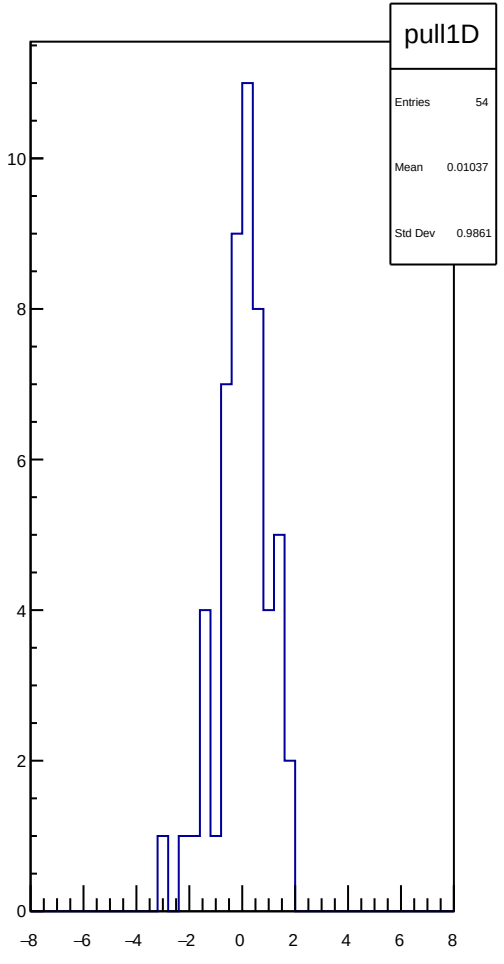

reg_asym_atr_dd_rms vs run
χ^2 / ndf 69.04 / 53
p0 1938 ± 1.883
2020
2000
1980
1960
1940
1920
1900
1880
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

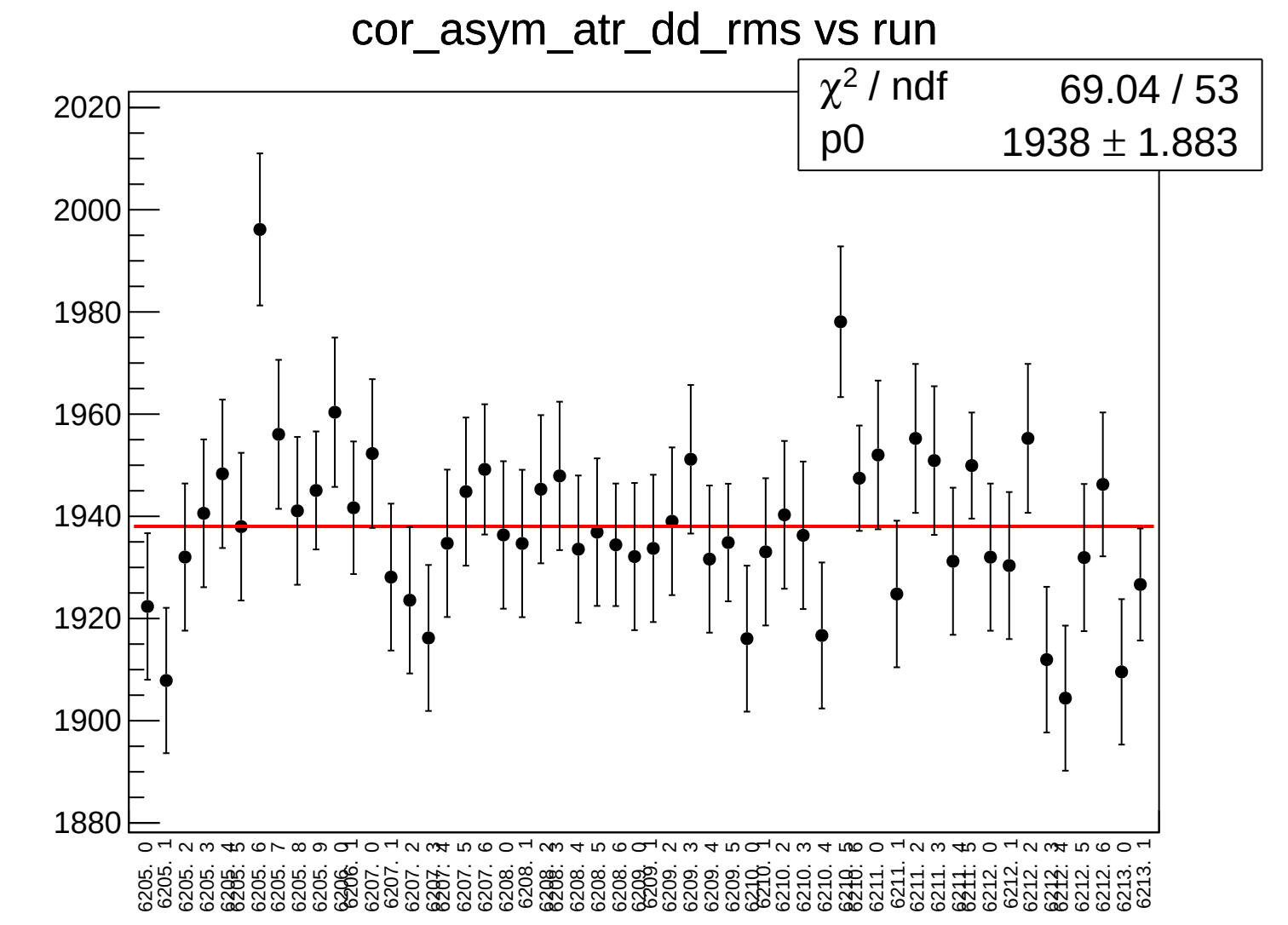

asym_atr_dd_reg_correction_mean vs run
×10^3
χ² / ndf 42.15 / 53
p0 −4132 ± 8648
pull
Entries 54
Mean −43.97
Std Dev 0

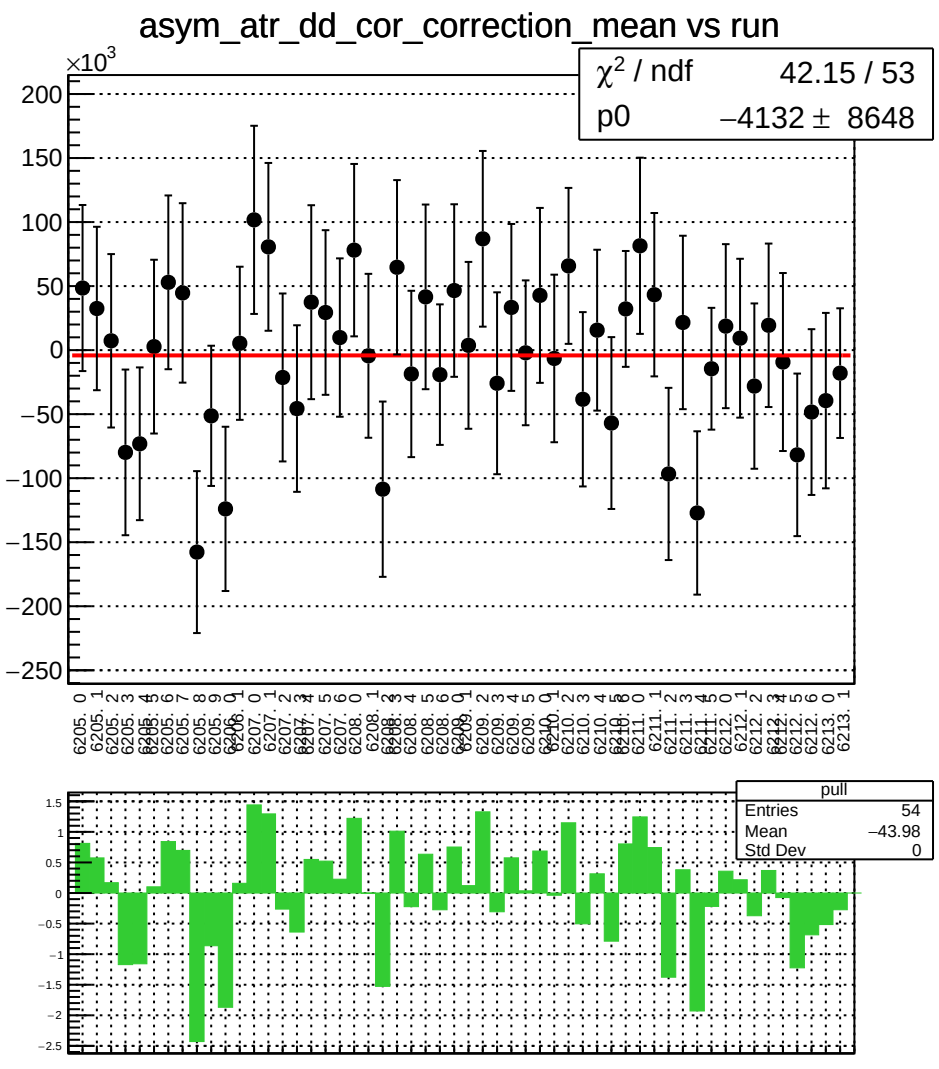

pull1D
Entries 54
Mean 0.01123
Std Dev 0.8834

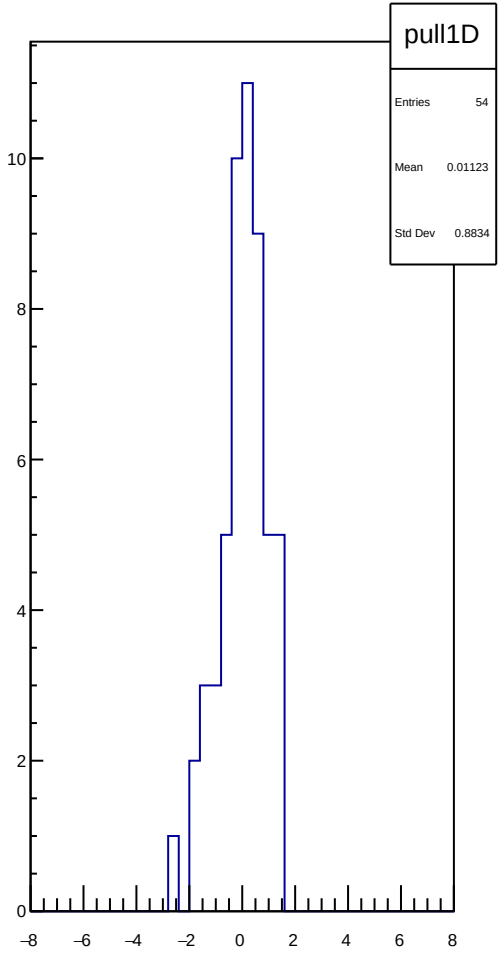

asym_atr_dd_reg_correction_rms vs run
χ² / ndf 2050 / 53
p0 6288 ± 6.115
7200
7000
6800
6600
6400
6200
6000
5800
5600
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

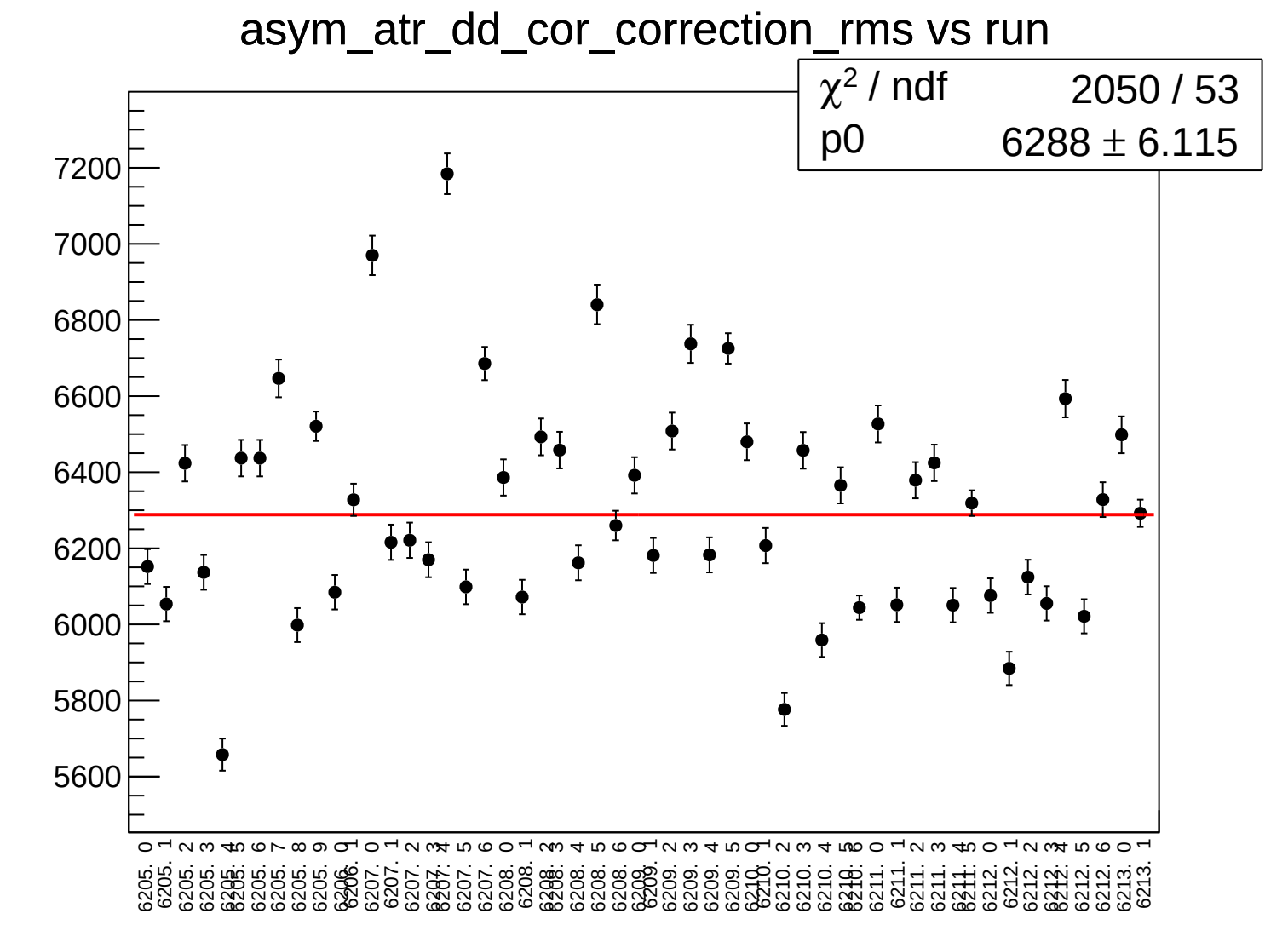

cor_asym_atr_dd_mean vs run
χ² / ndf 52.51 / 53
p0 −1422 ± 2663
pull
Entries 54
Mean 158.5
Std Dev 0

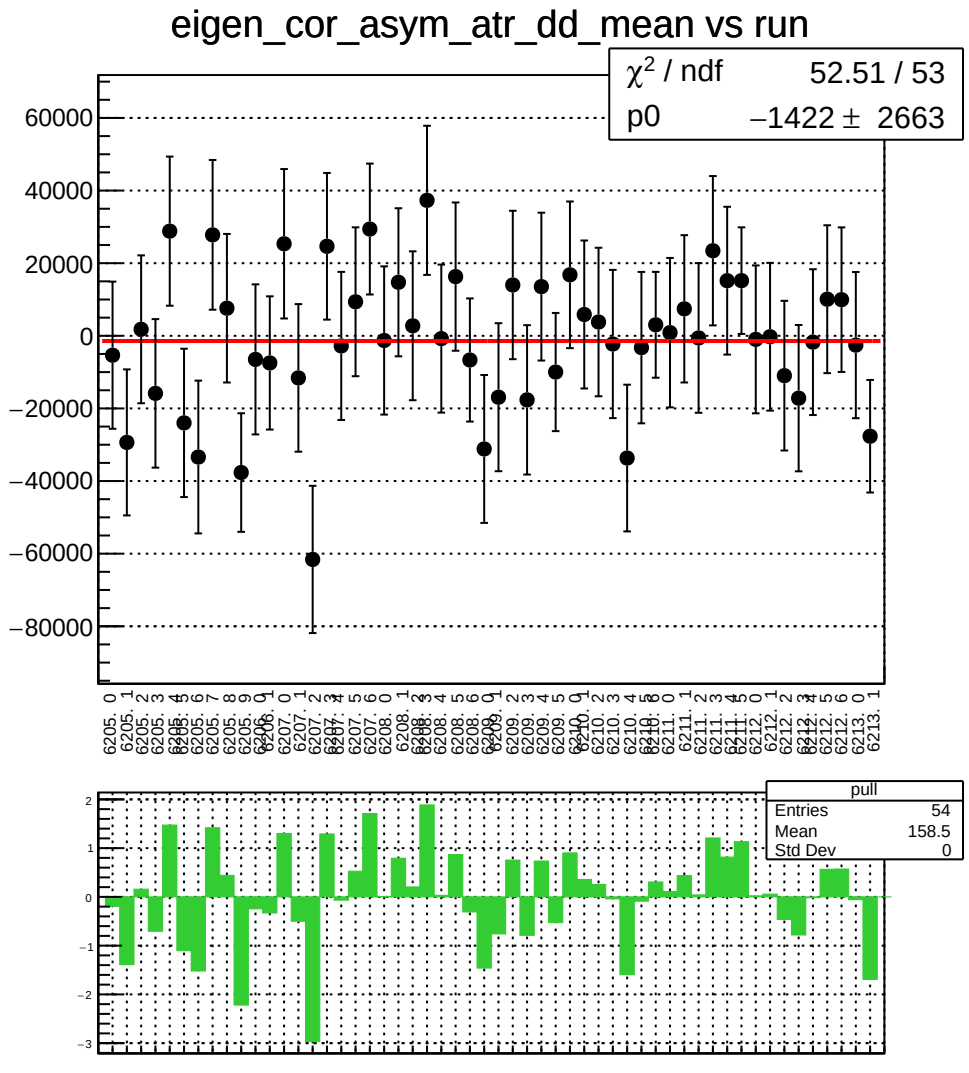

pull1D
Entries 54
Mean 0.01037
Std Dev 0.9861

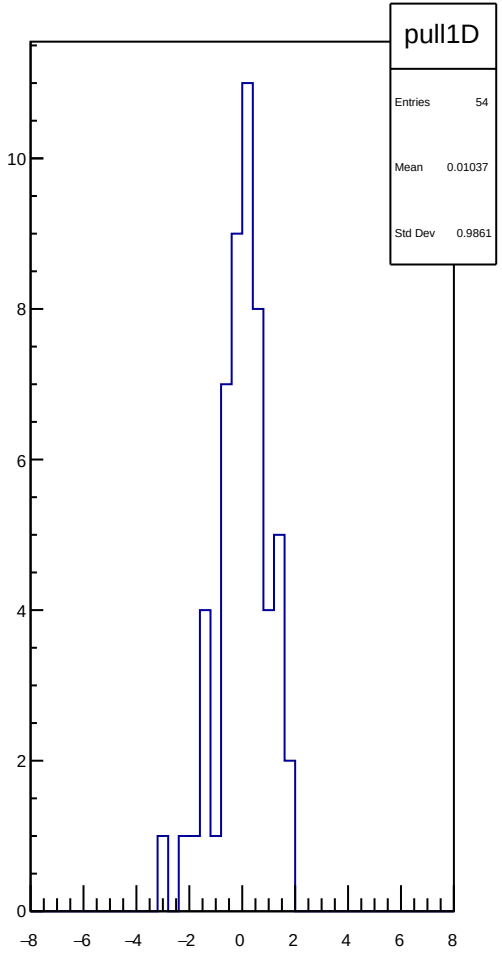

cor_asym_atr_dd_rms vs run
χ² / ndf 69.04 / 53
p0 1938 ± 1.883
2020
2000
1980
1960
1940
1920
1900
1880
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

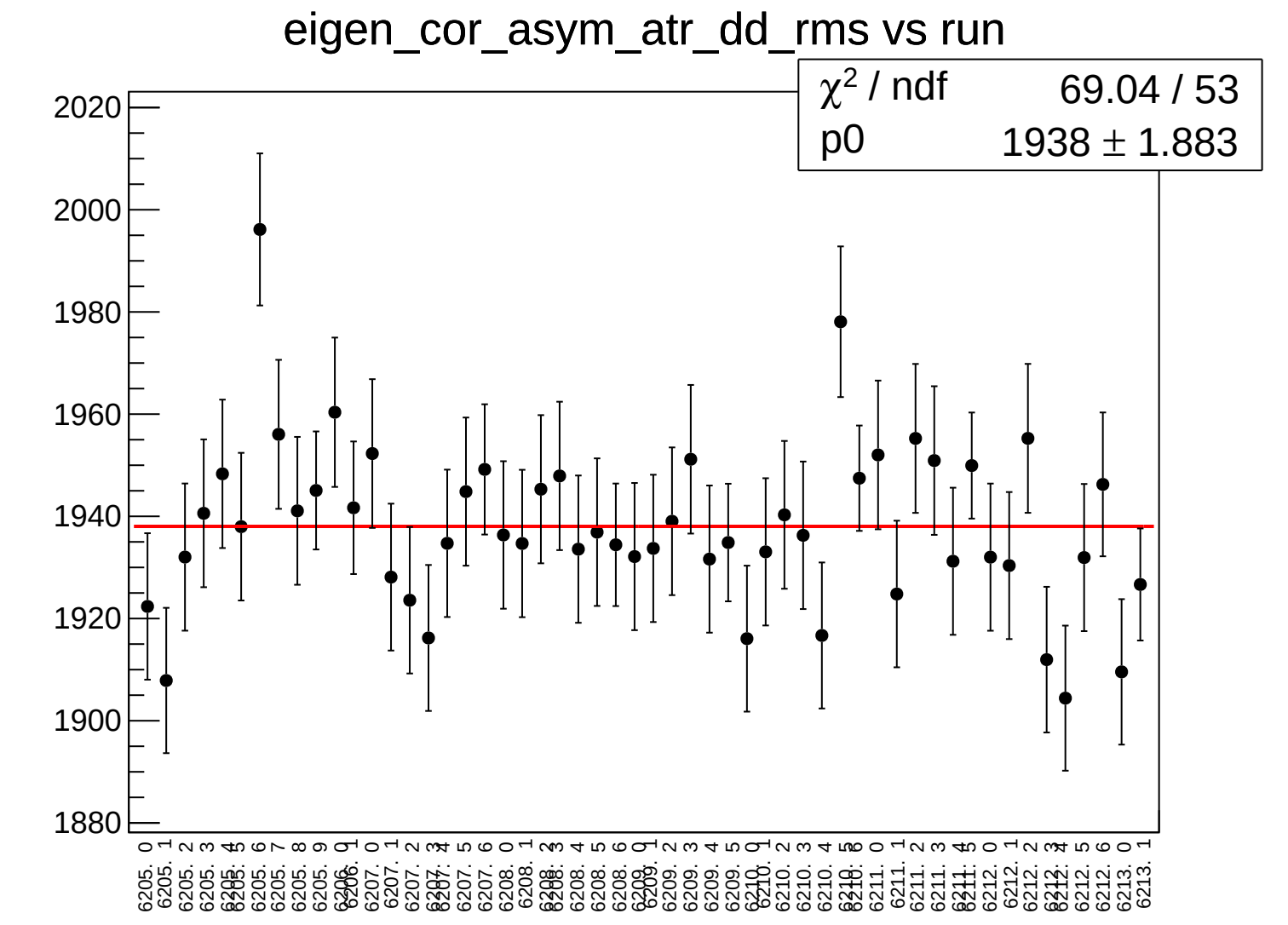

asym_atr_dd_cor_correction_mean vs run
×10^3
χ² / ndf 42.15 / 53
p0 −4132 ± 8648
pull
Entries 54
Mean −43.98
Std Dev 0

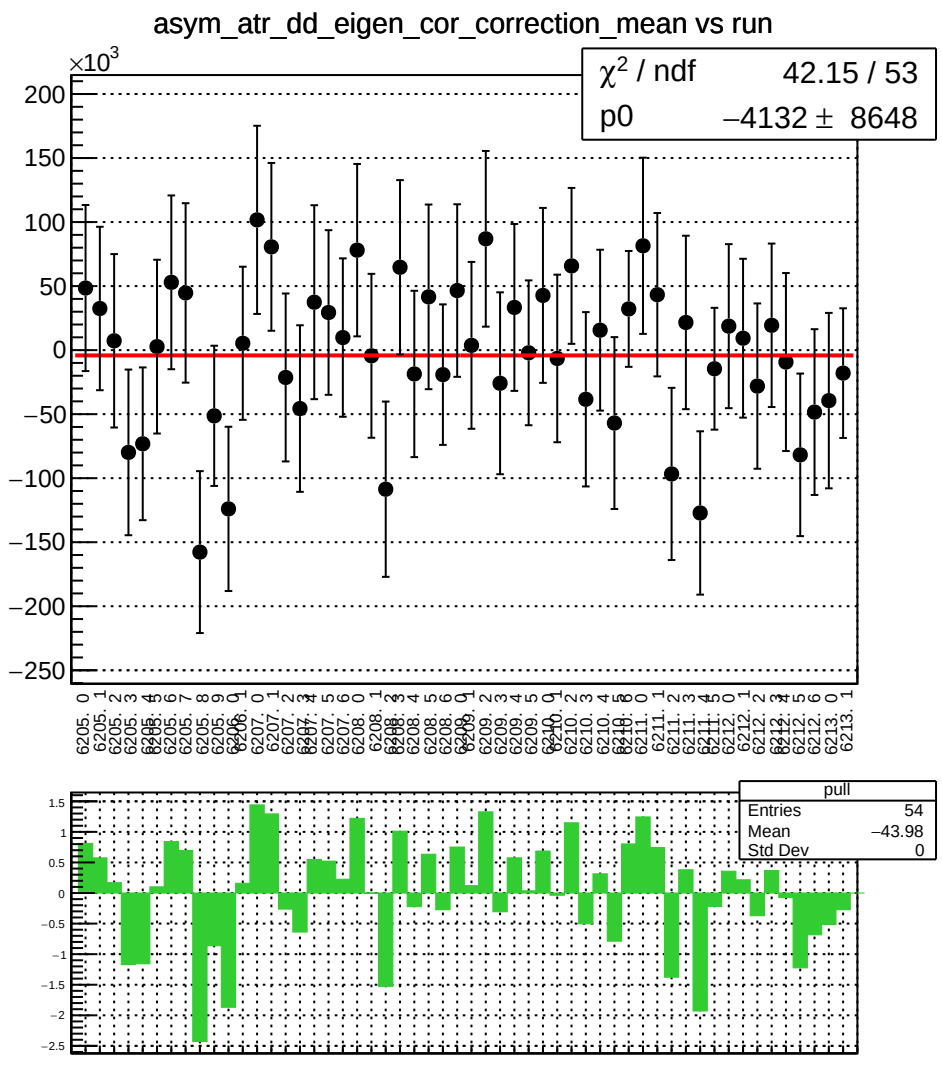

pull1D
Entries 54
Mean 0.01123
Std Dev 0.8834

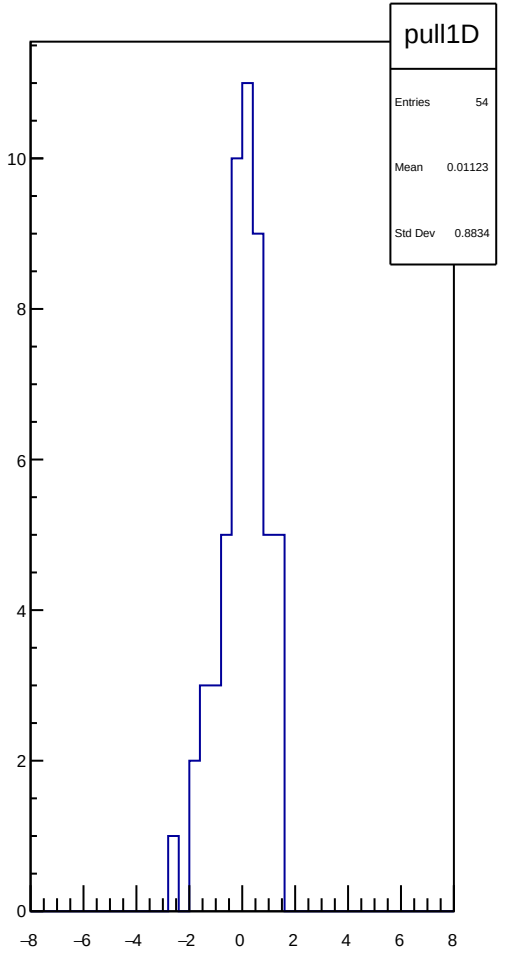

asym_atr_dd_cor_correction_rms vs run
χ² / ndf 2050 / 53
p0 6288 ± 6.115
7200
7000
6800
6600
6400
6200
6000
5800
5600
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

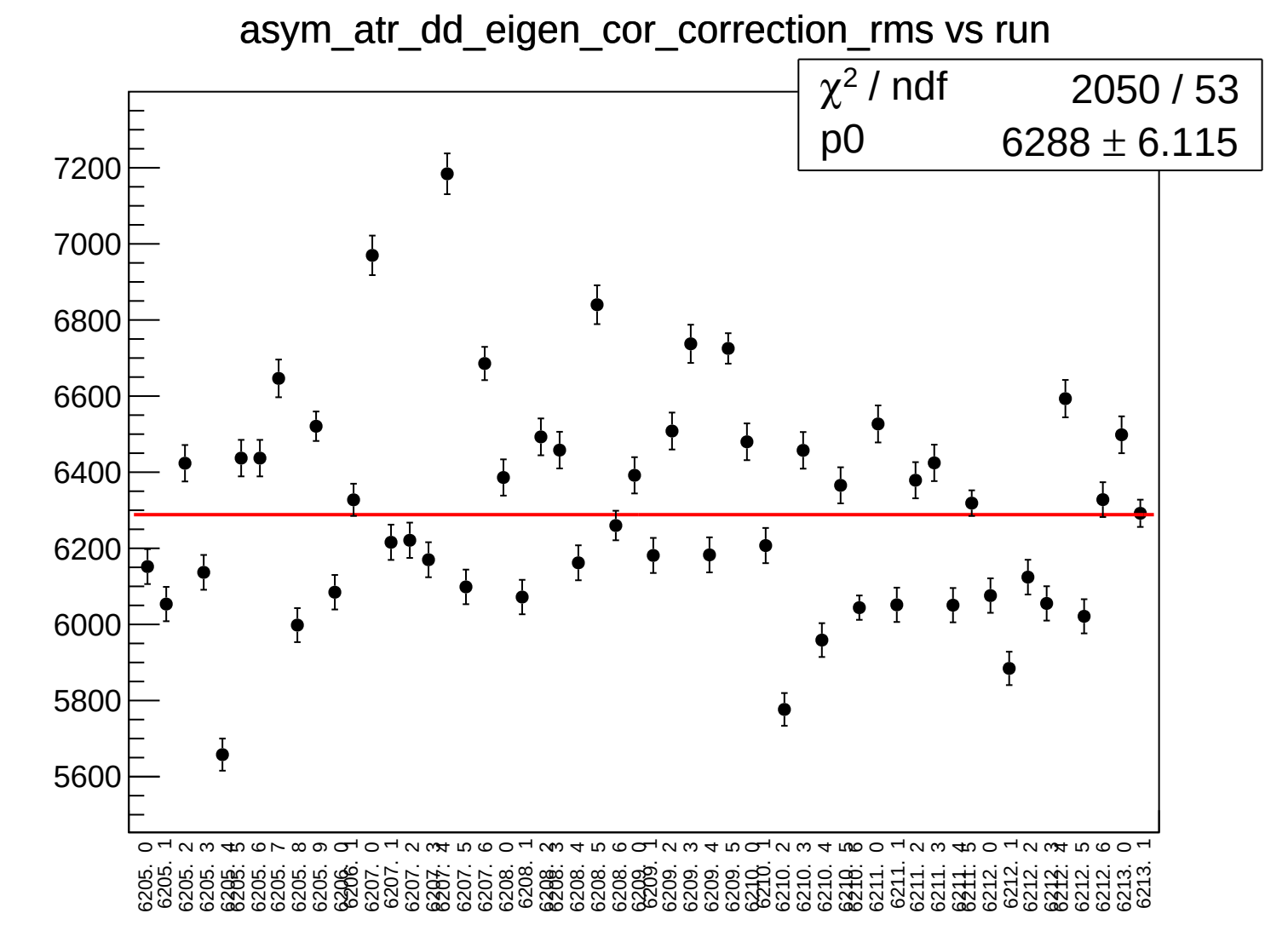

eigen_cor_asym_atr_dd_mean vs run
χ² / ndf 52.51 / 53
p0 −1422 ± 2663
pull
Entries 54
Mean 158.5
Std Dev 0

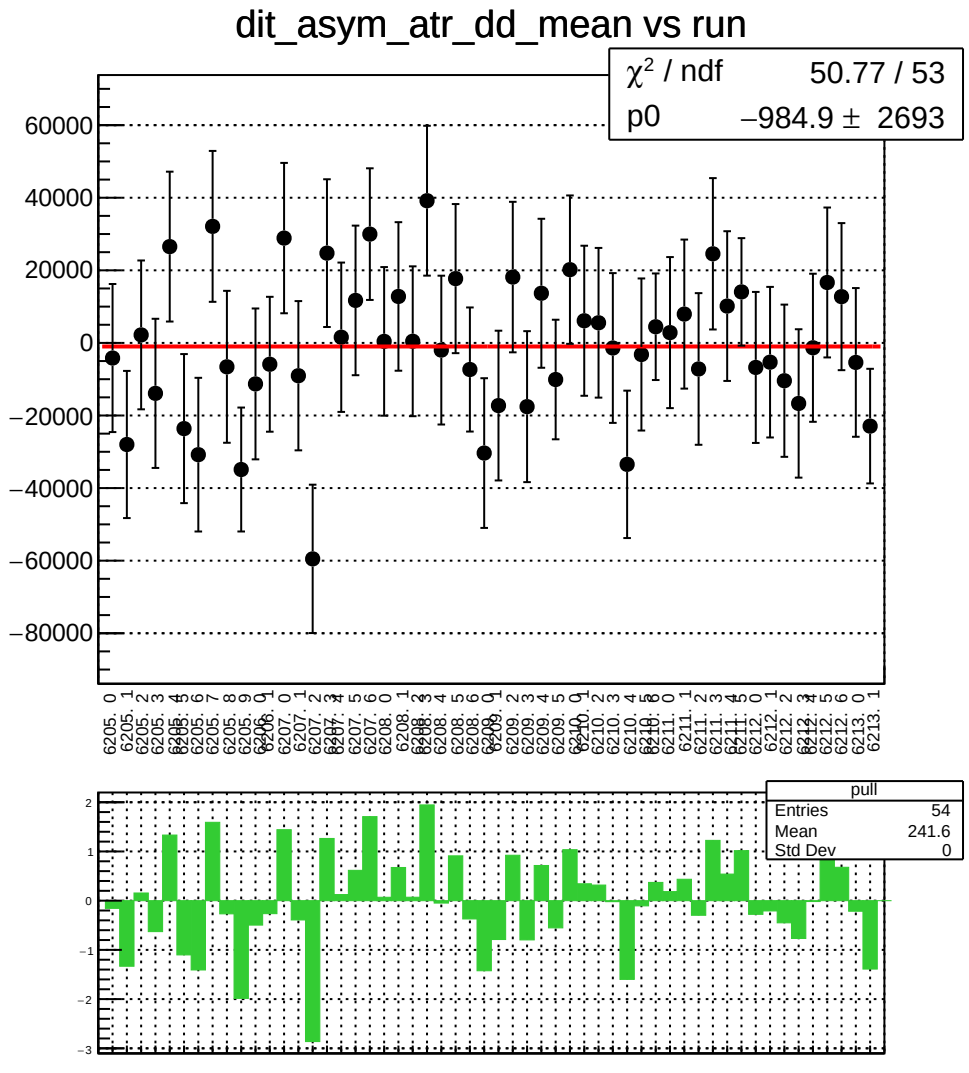

pull1D
Entries 54
Mean 0.01037
Std Dev 0.9861

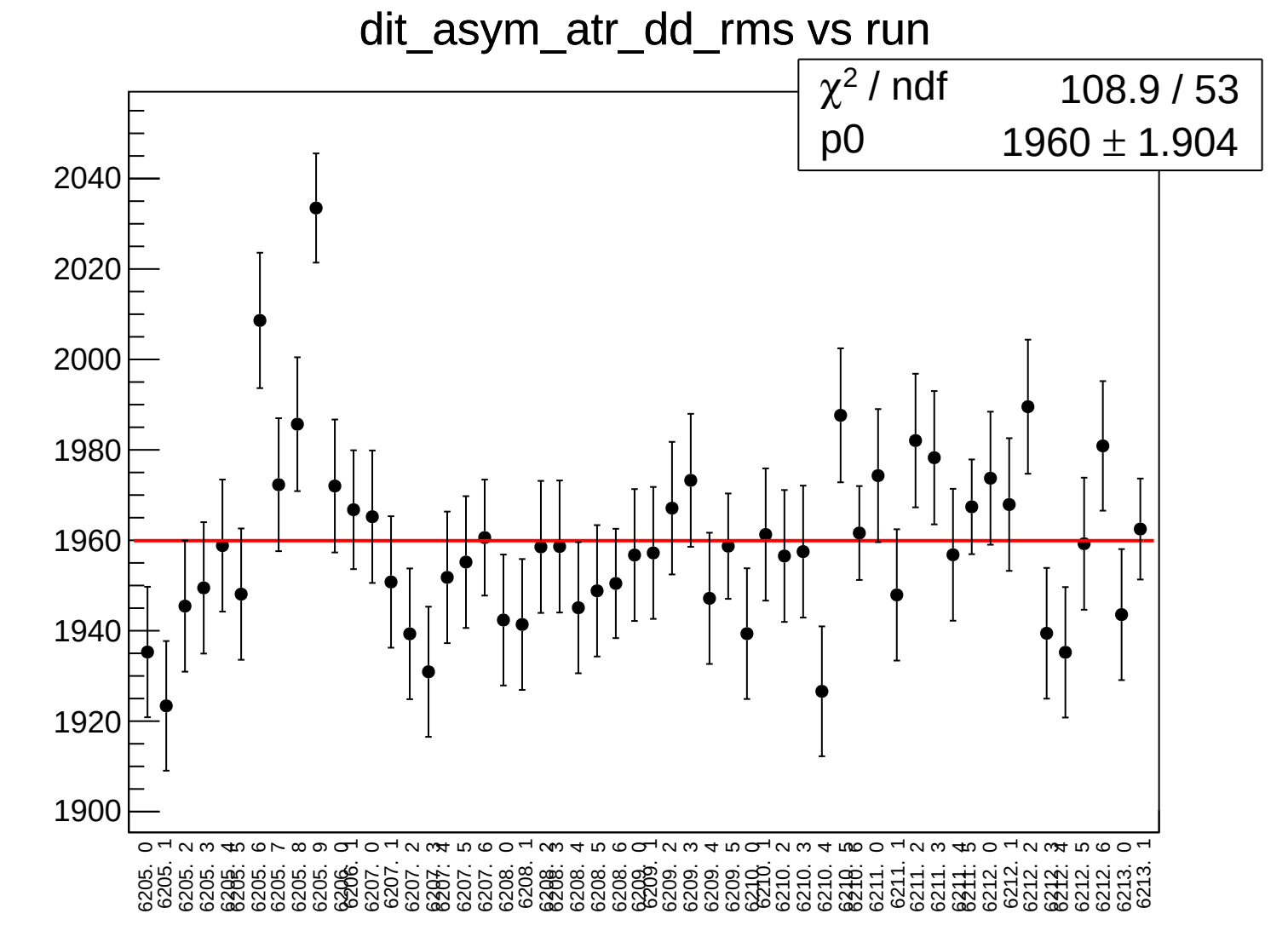

eigen_cor_asym_atr_dd_rms vs run
χ² / ndf 69.04 / 53
p0 1938 ± 1.883
2020
2000
1980
1960
1940
1920
1900
1880
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

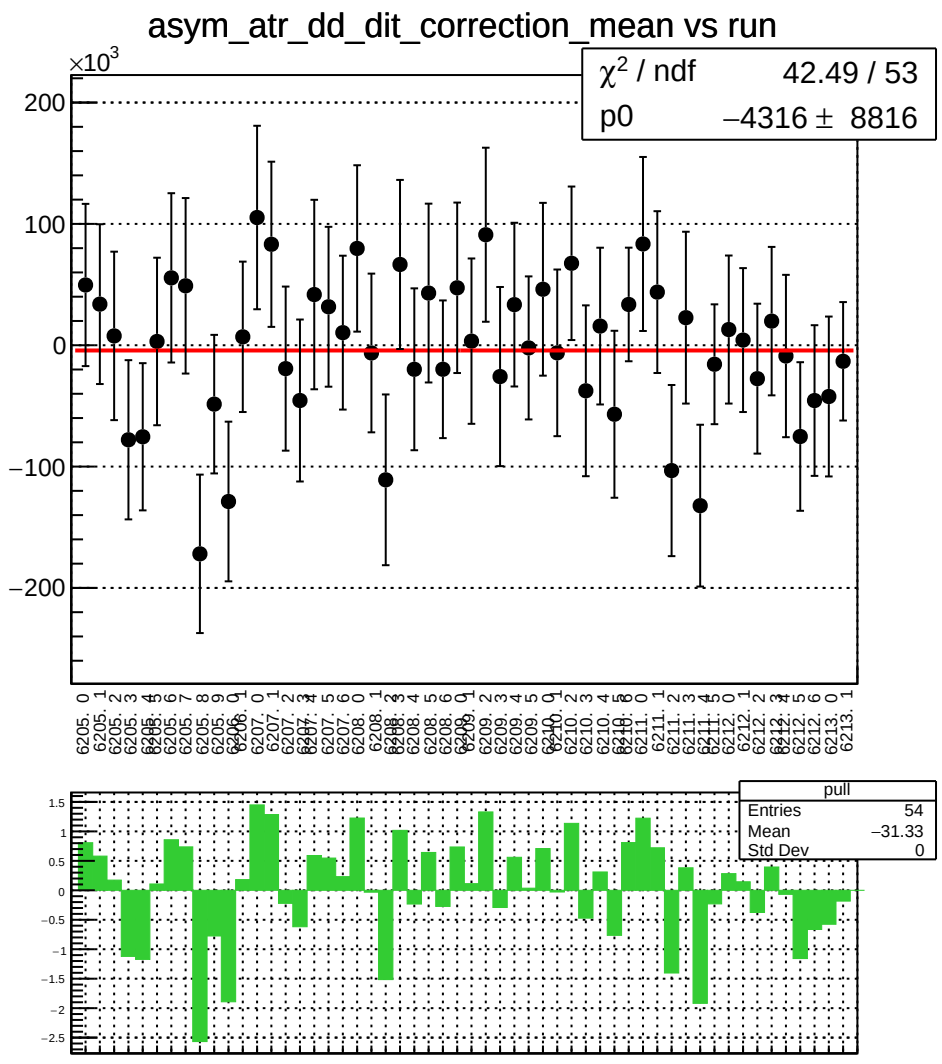

asym_atr_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 42.15 / 53
p0 −4132 ± 8648
pull
Entries 54
Mean −43.98
Std Dev 0

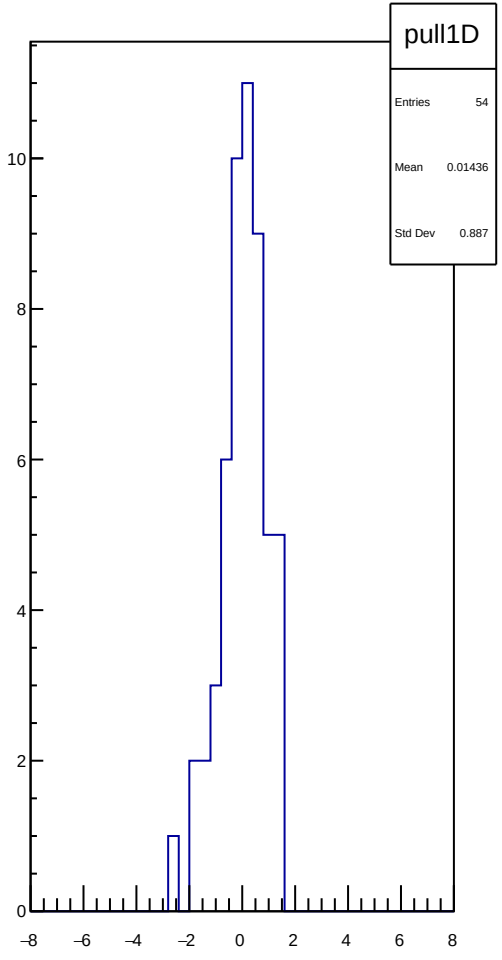

pull1D
Entries 54
Mean 0.01123
Std Dev 0.8834

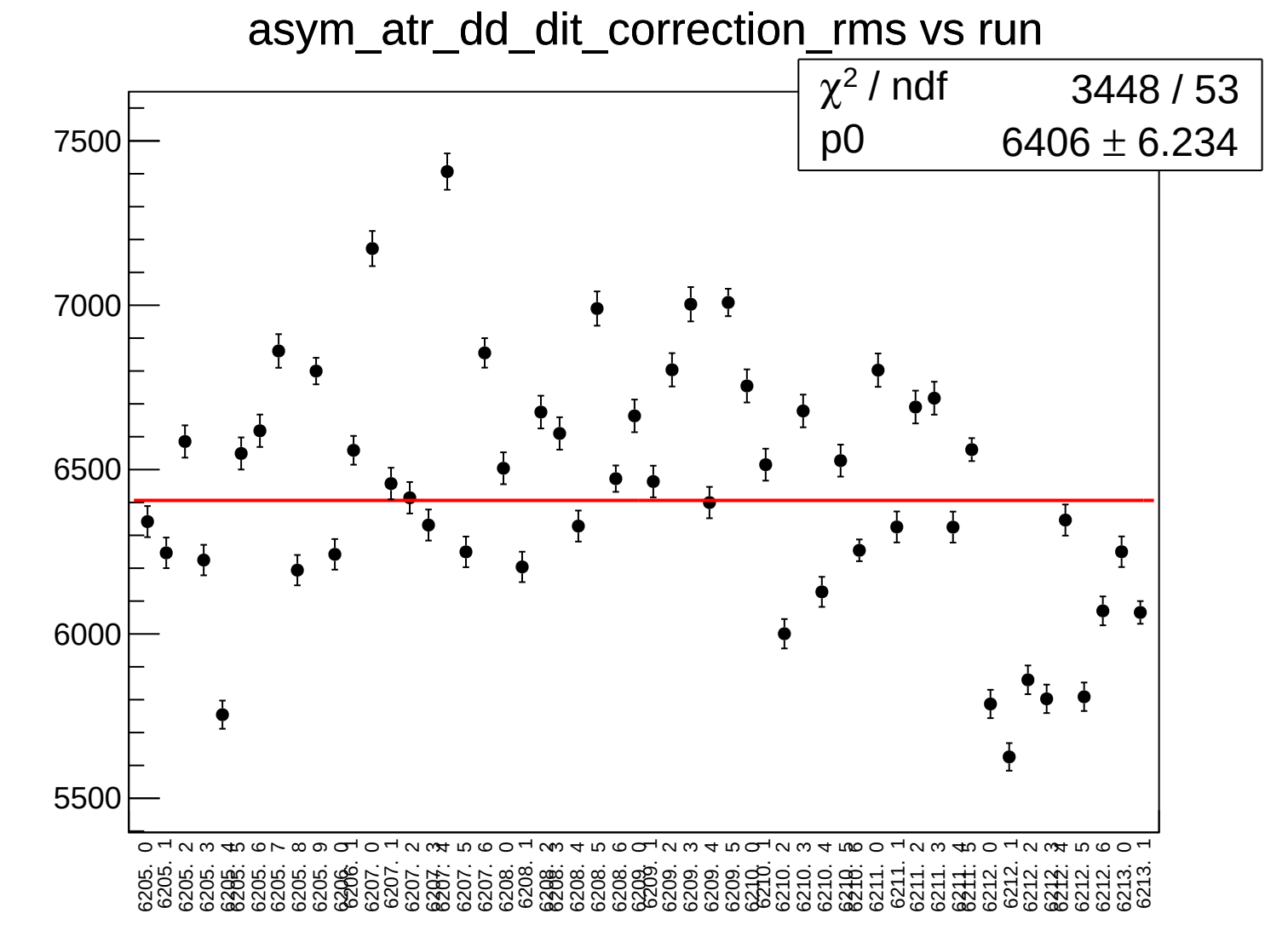

asym_atr_dd_eigen_cor_correction_rms vs run
χ² / ndf 2050 / 53
p0 6288 ± 6.115
7200
7000
6800
6600
6400
6200
6000
5800
5600
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

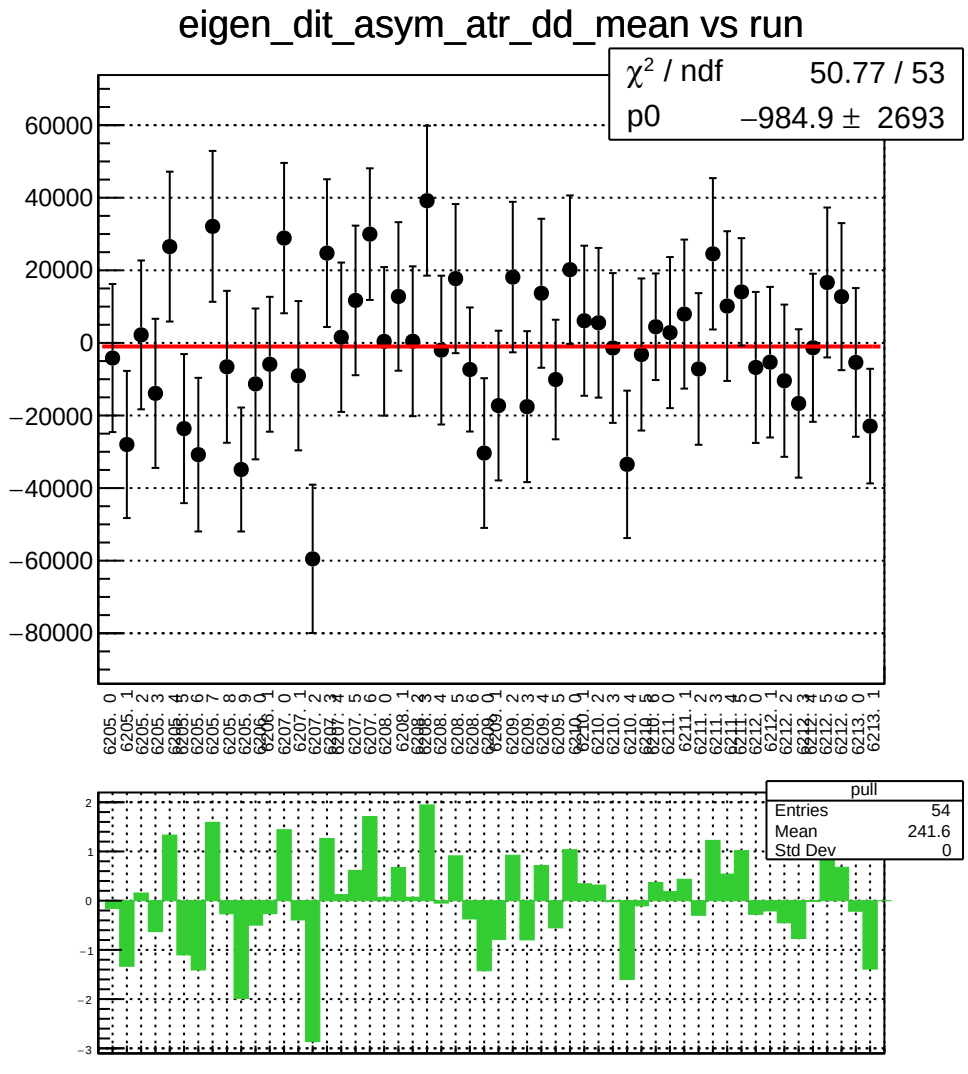

dit_asym_atr_dd_mean vs run
χ² / ndf 50.77 / 53
p0 −984.9 ± 2693
pull
Entries 54
Mean 241.6
Std Dev 0
pull1D
Entries 54
Mean 0.005813
Std Dev 0.9696

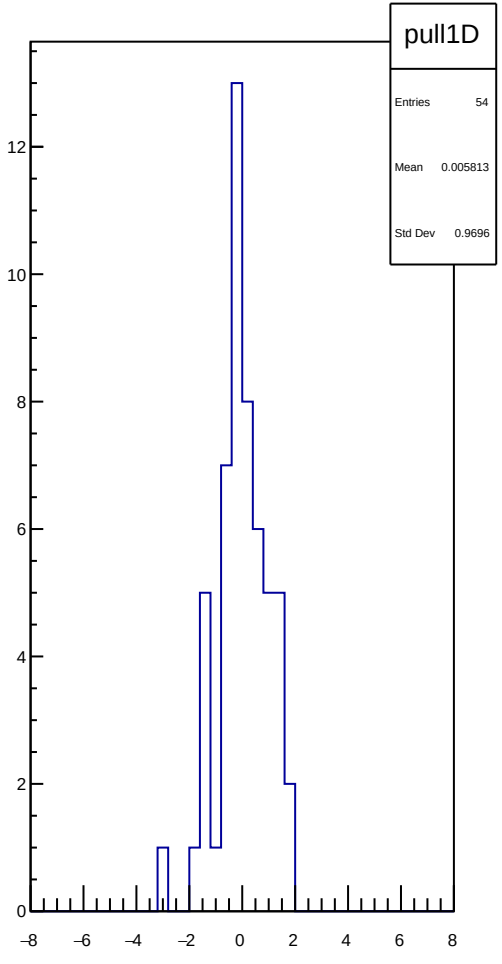

dit_asym_atr_dd_rms vs run
χ² / ndf 108.9 / 53
p0 1960 ± 1.904
2040
2020
2000
1980
1960
1940
1920
1900
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

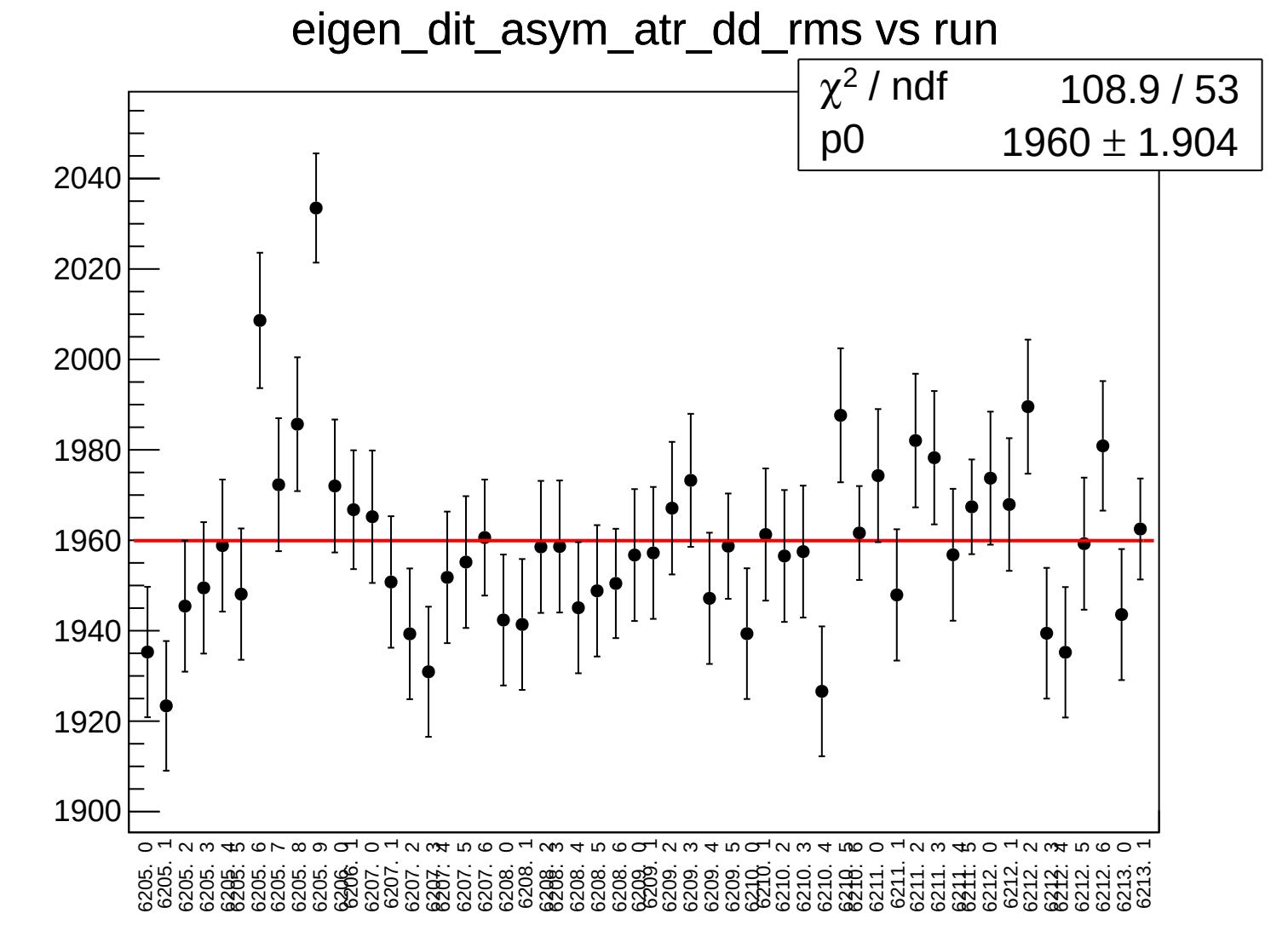

asym_atr_dd_dit_correction_mean vs run
×10^3
χ² / ndf 42.49 / 53
p0 −4316 ± 8816
200
100
0
−100
−200
pull
Entries 54
Mean −31.33
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

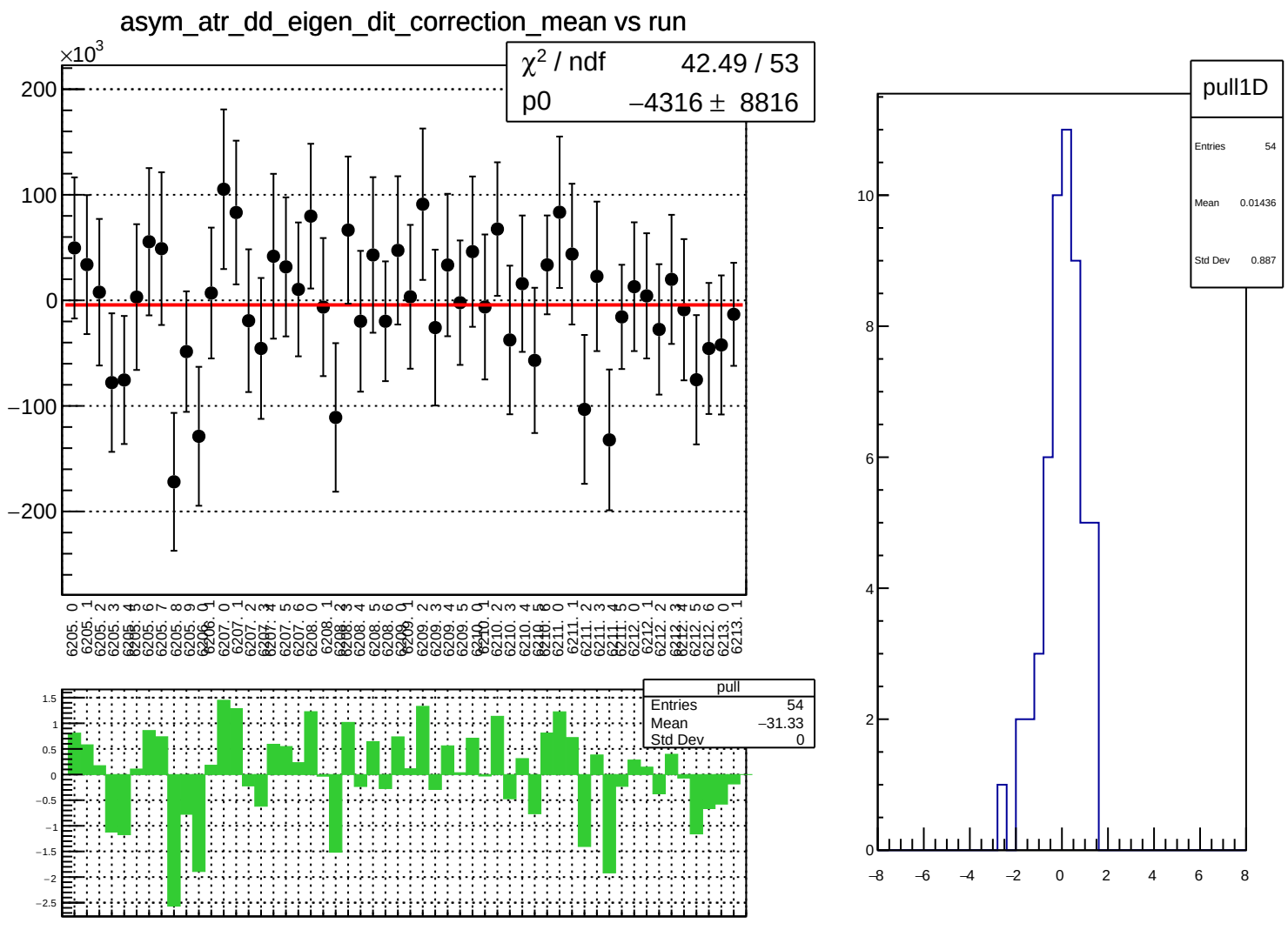

pull1D
Entries 54
Mean 0.01436
Std Dev 0.887
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

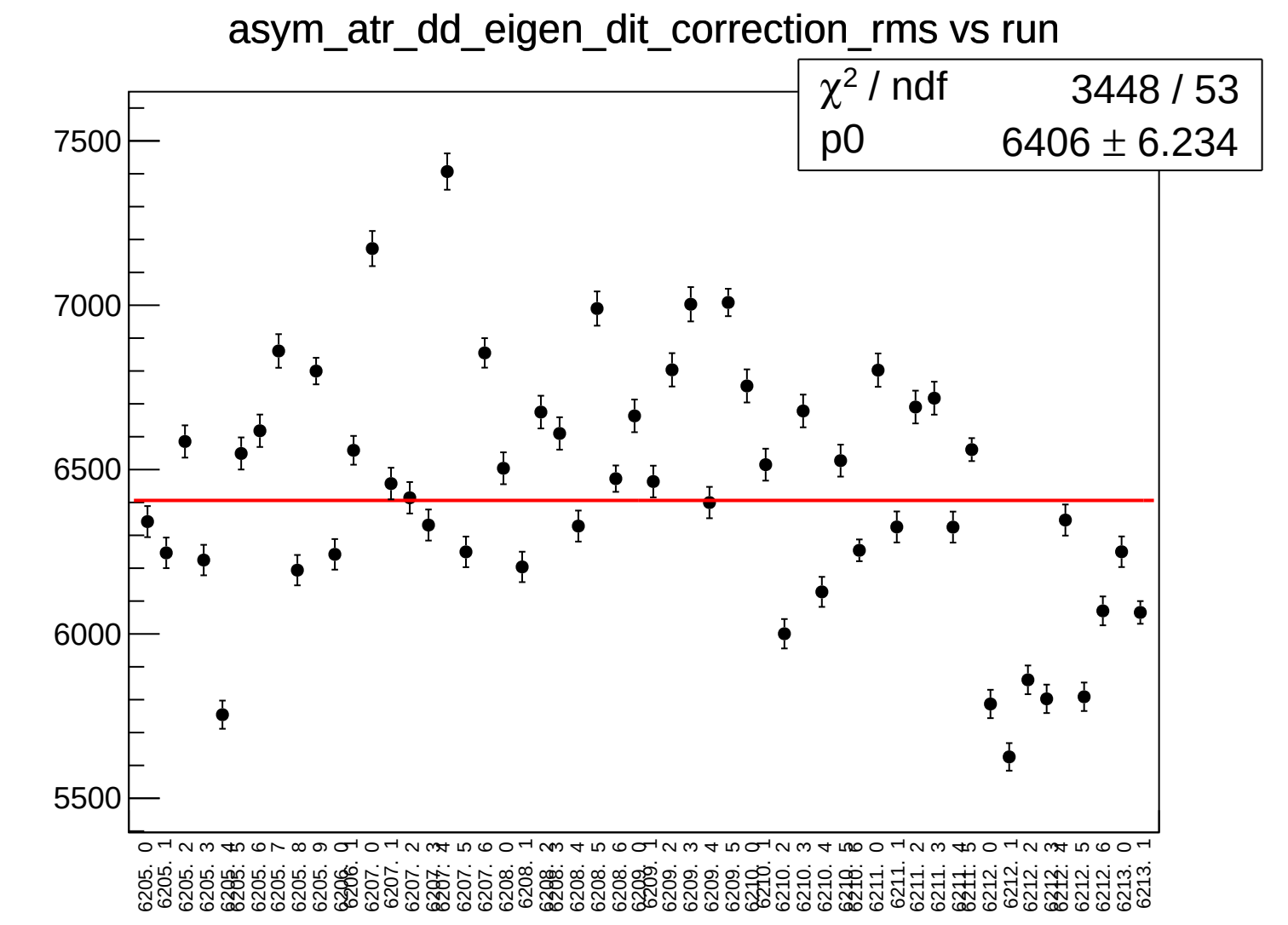

asym_atr_dd_dit_correction_rms vs run
χ² / ndf 3448 / 53
p0 6406 ± 6.234
7500
7000
6500
6000
5500
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


eigen_dit_asym_atr_dd_mean vs run
χ² / ndf 50.77 / 53
p0 −984.9 ± 2693
pull
Entries 54
Mean 241.6
Std Dev 0


pull1D
Entries 54
Mean 0.005813
Std Dev 0.9696


eigen_dit_asym_atr_dd_rms vs run
χ² / ndf 108.9 / 53
p0 1960 ± 1.904
2040
2020
2000
1980
1960
1940
1920
1900
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_atr_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 42.49 / 53
p0 −4316 ± 8816
200
100
0
−100
−200
pull
Entries 54
Mean −31.33
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 54
Mean 0.01436
Std Dev 0.887
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 3448 / 53
p0 6406 ± 6.234
7500
7000
6500
6000
5500
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
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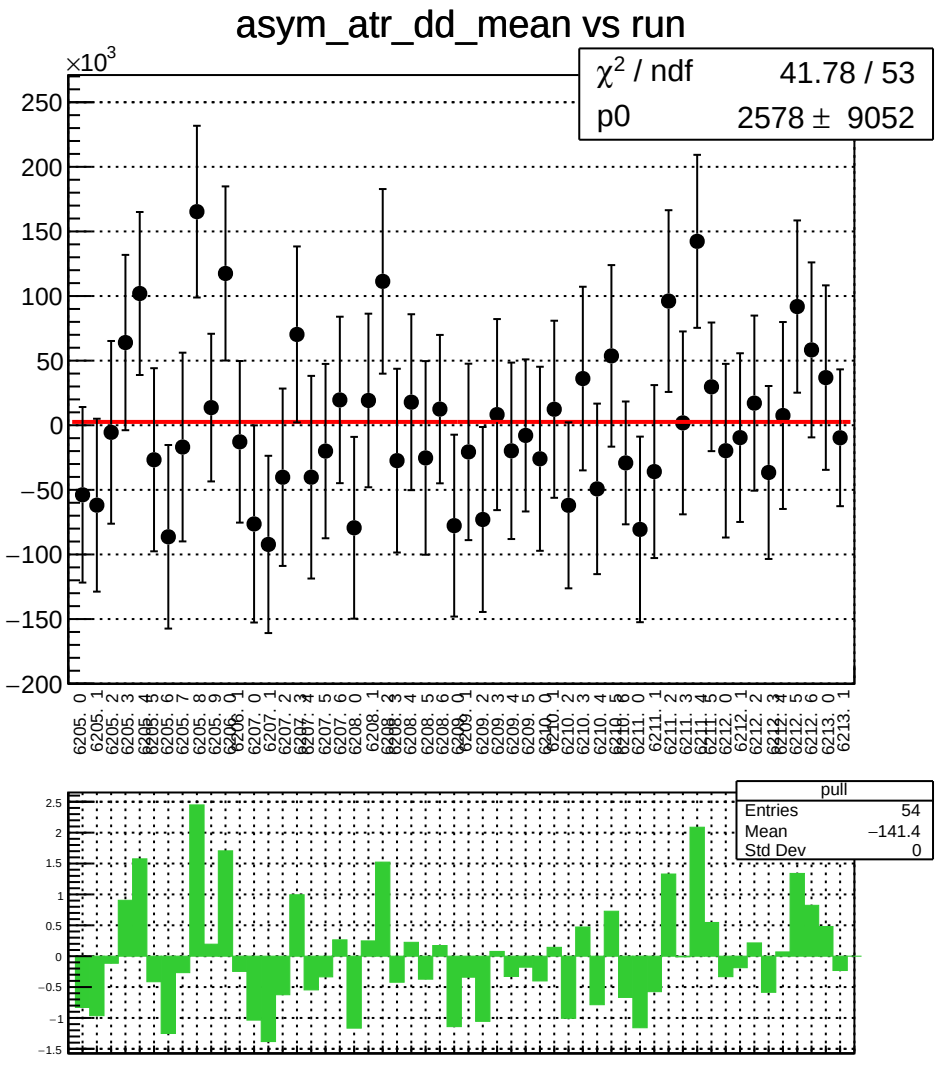
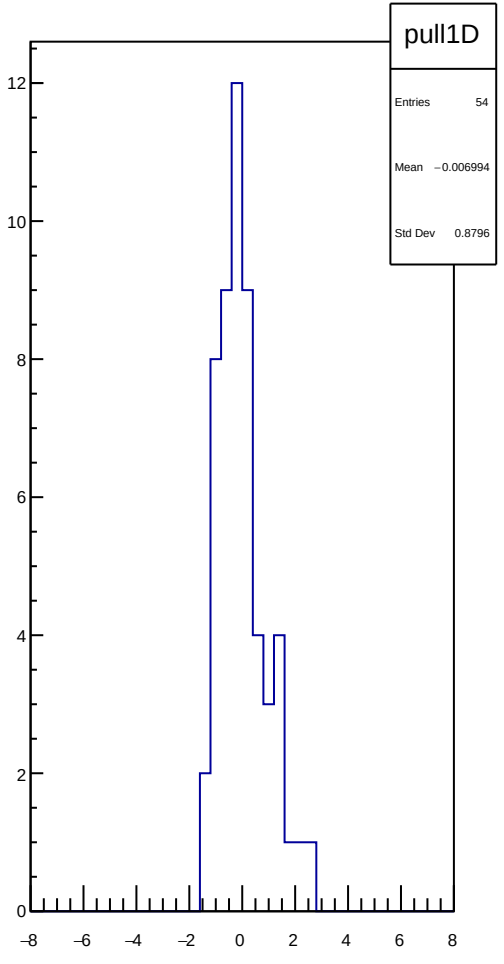
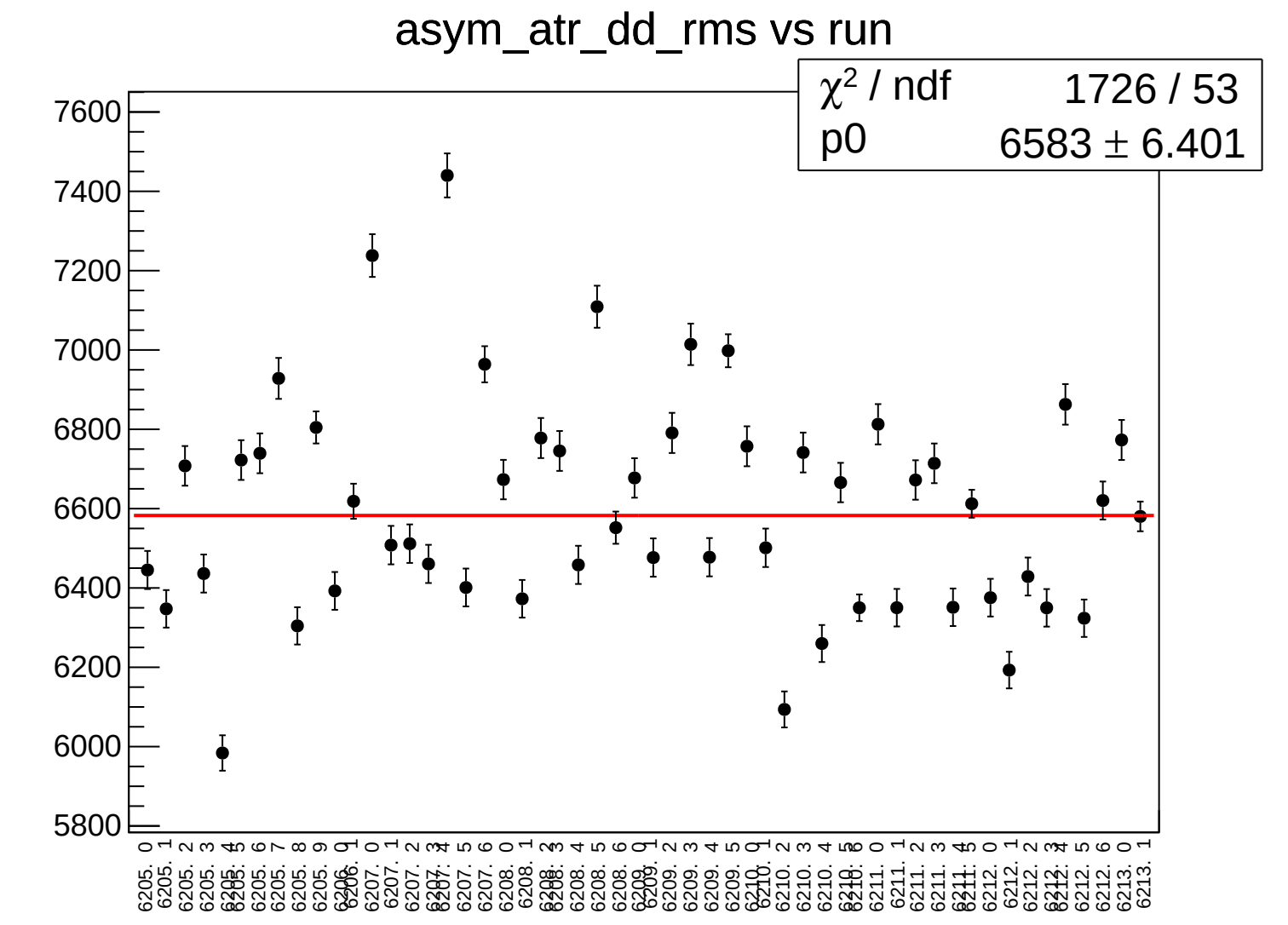
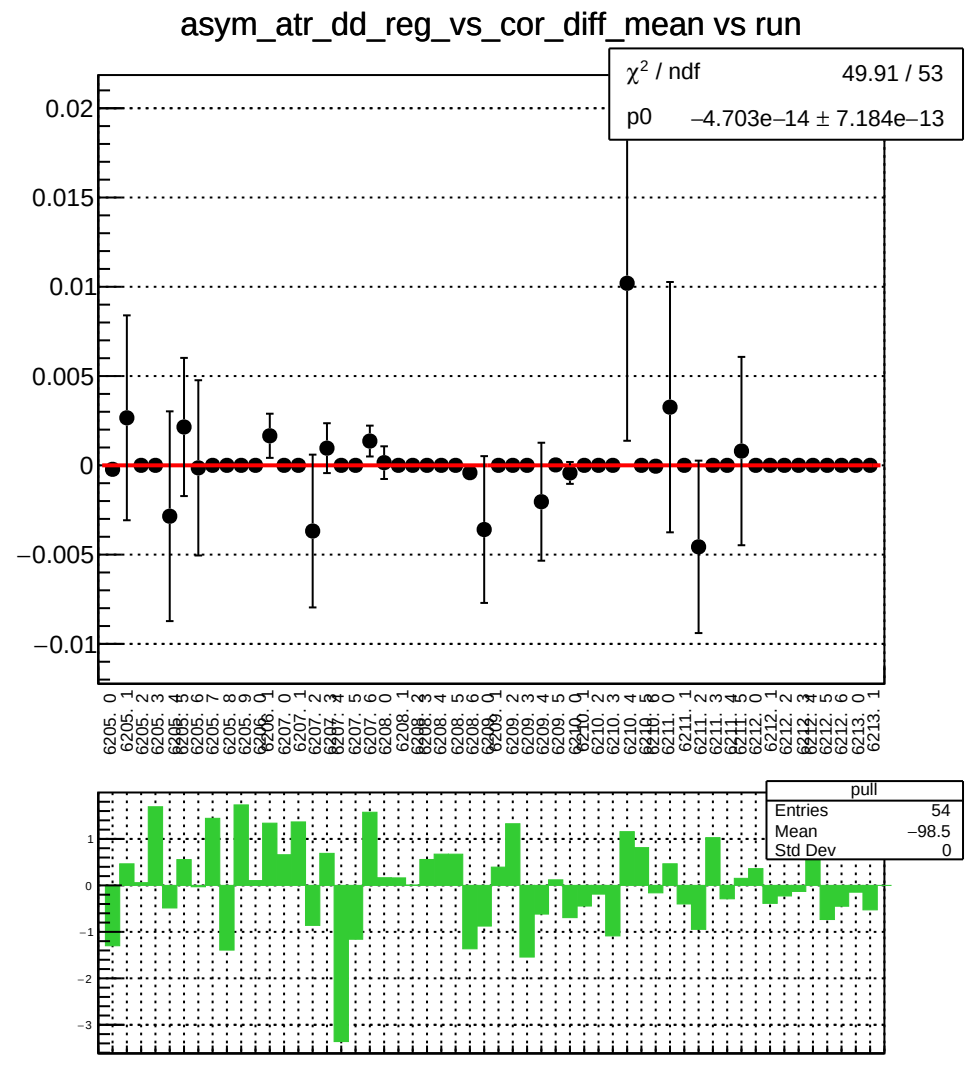
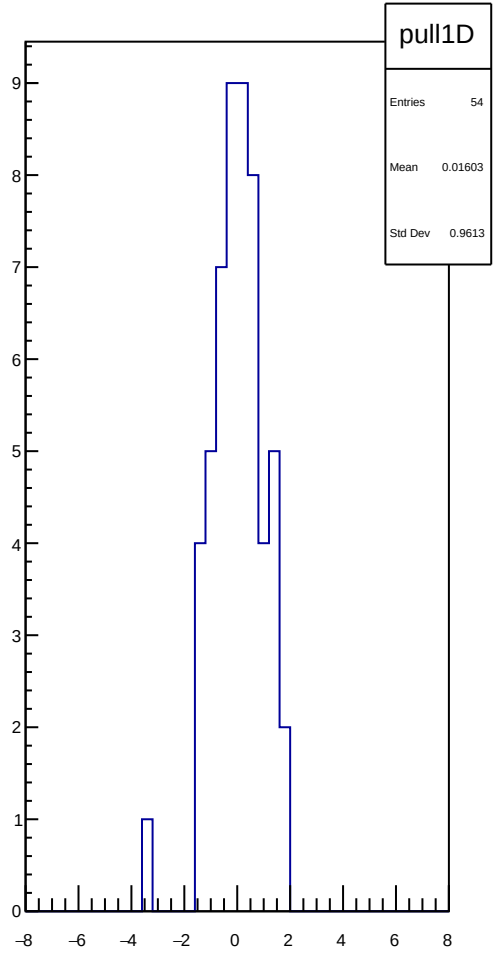
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

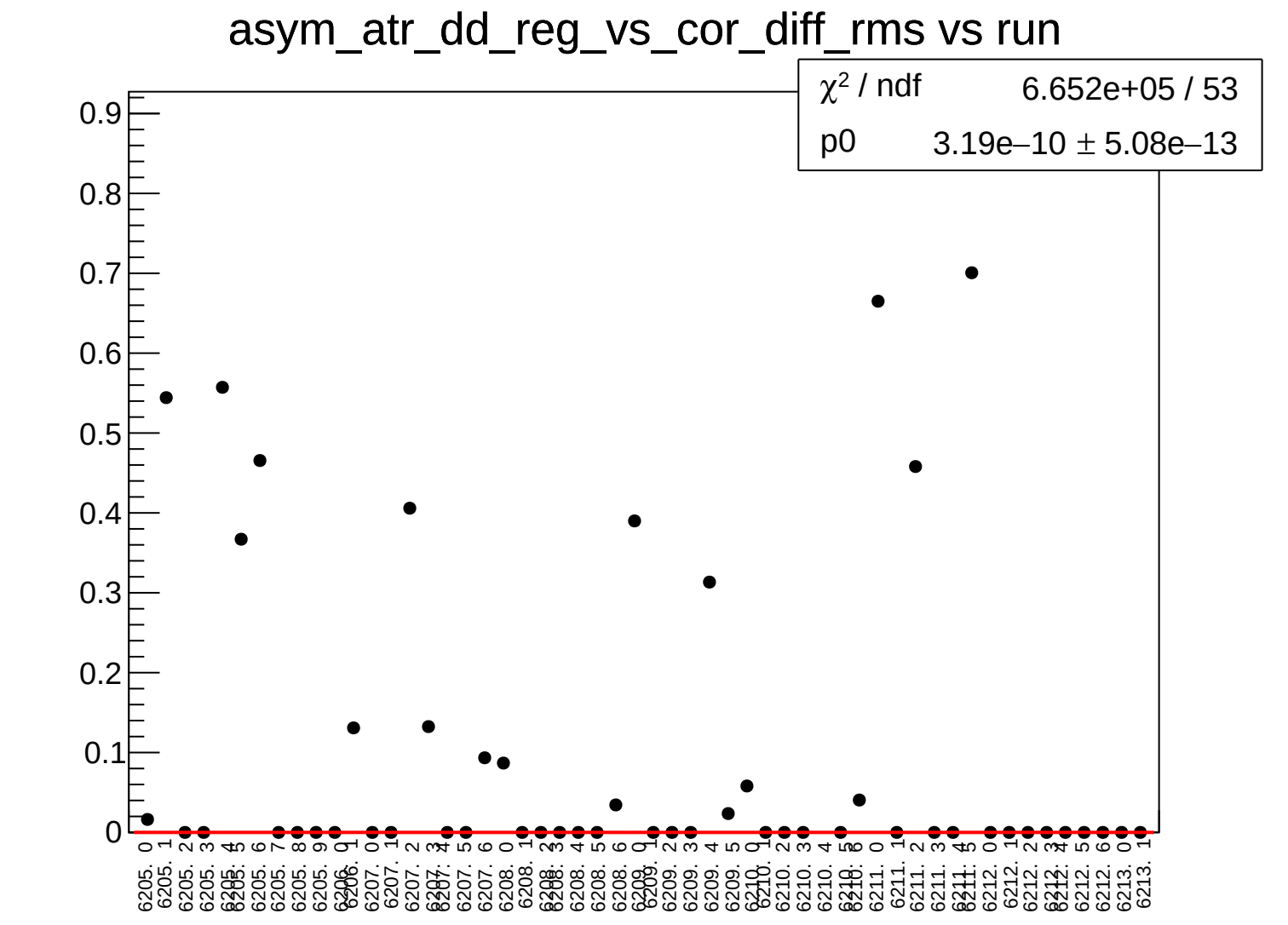

asym_atr_dd_mean vs run
×10^3
χ^2 / ndf 41.78 / 53
p0 2578 ± 9052
pull
Entries 54
Mean −141.4
Std Dev 0

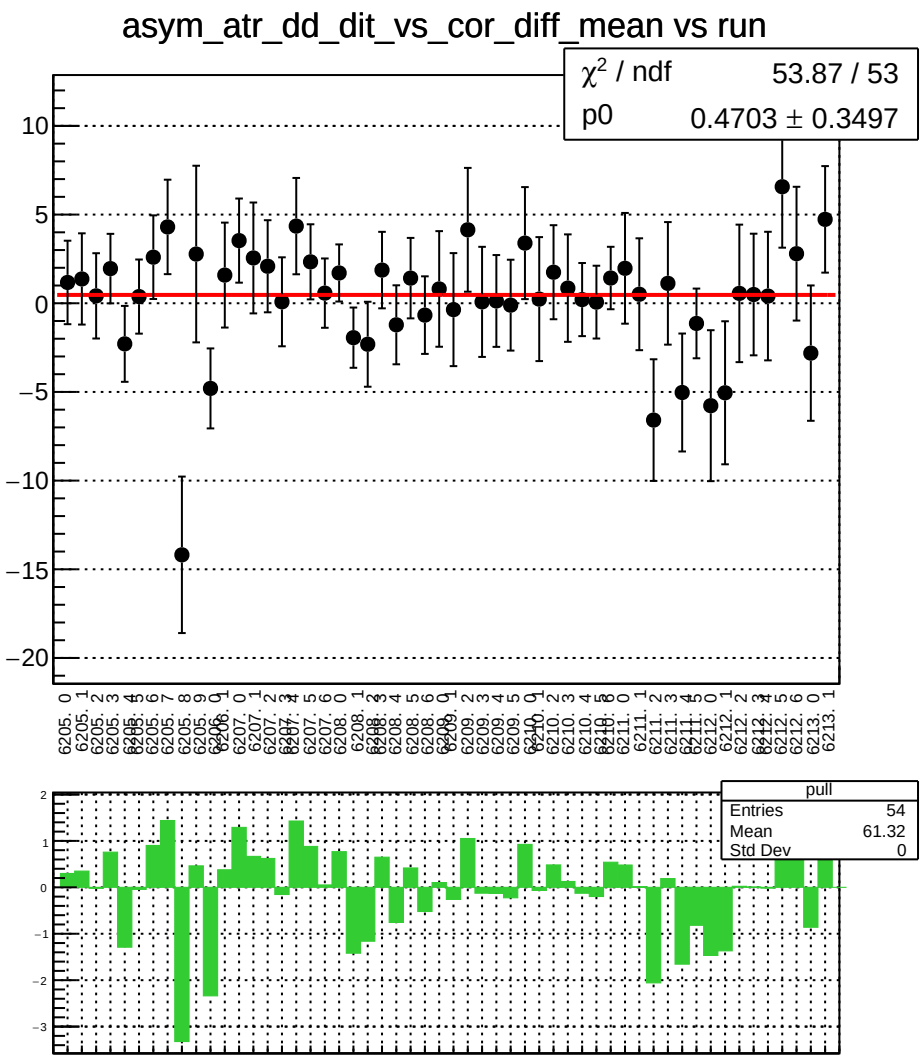

pull1D
Entries 54
Mean −0.006994
Std Dev 0.8796

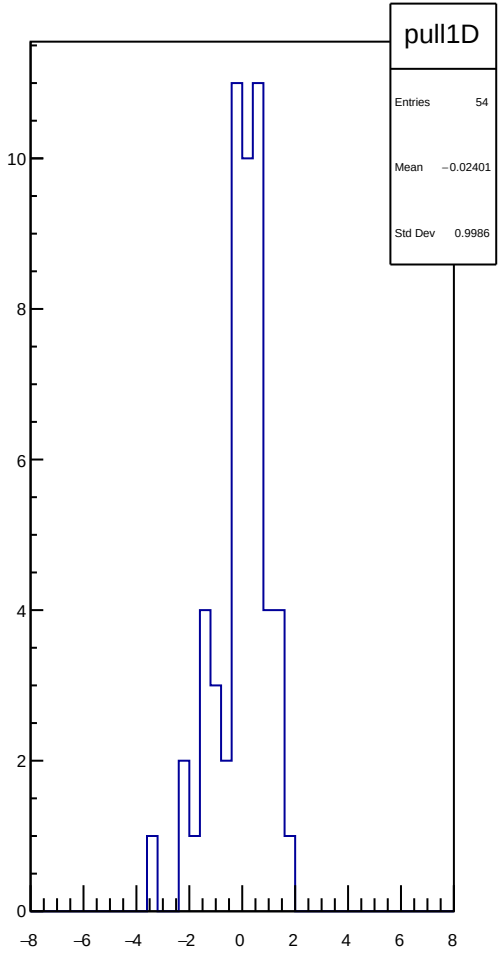

asym_atr_dd_rms vs run
χ² / ndf 1726 / 53
p0 6583 ± 6.401
7600
7400
7200
7000
6800
6600
6400
6200
6000
5800
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

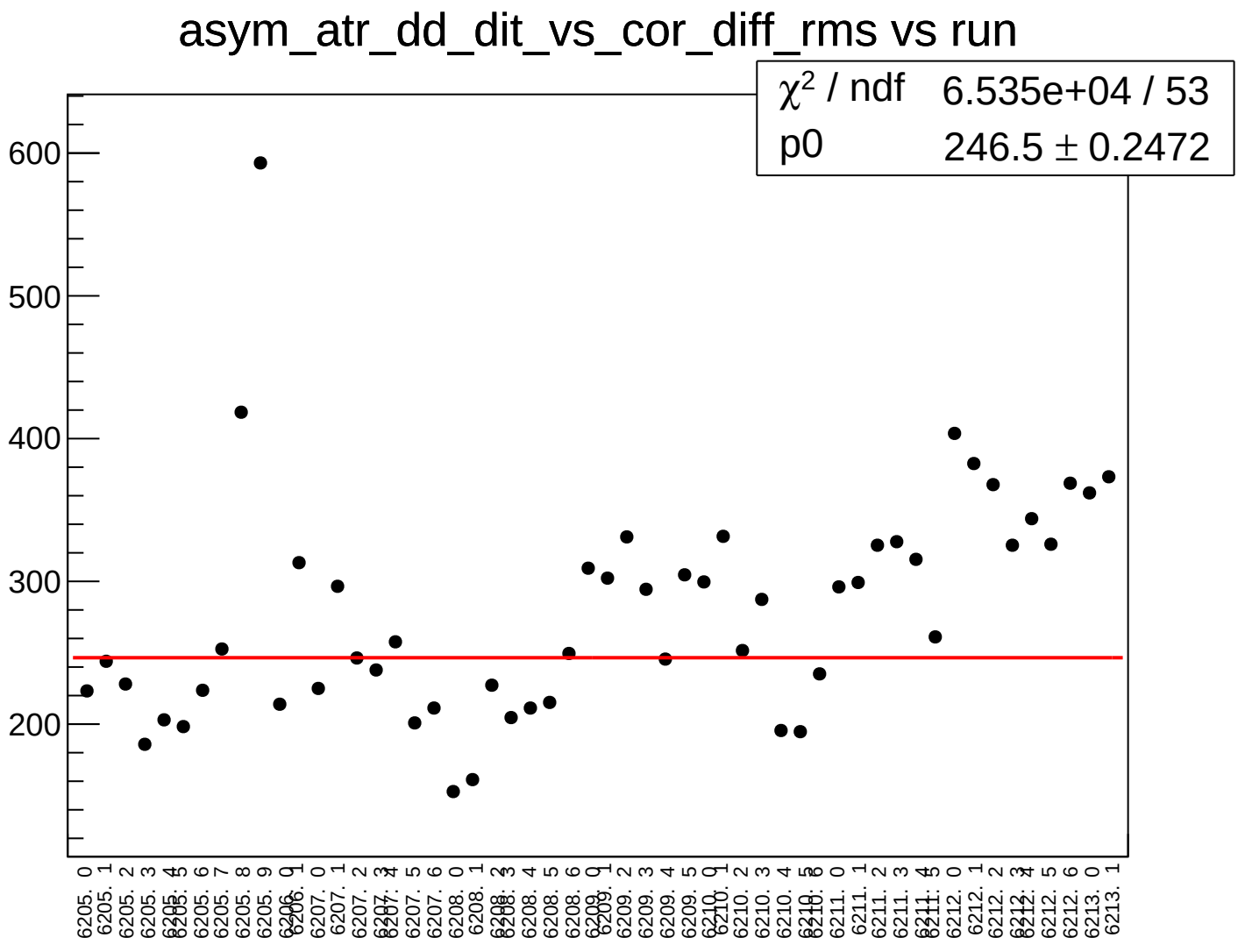

asym_atr_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 49.91 / 53
p0 −4.703e−14 ± 7.184e−13
pull
Entries 54
Mean −98.5
Std Dev 0

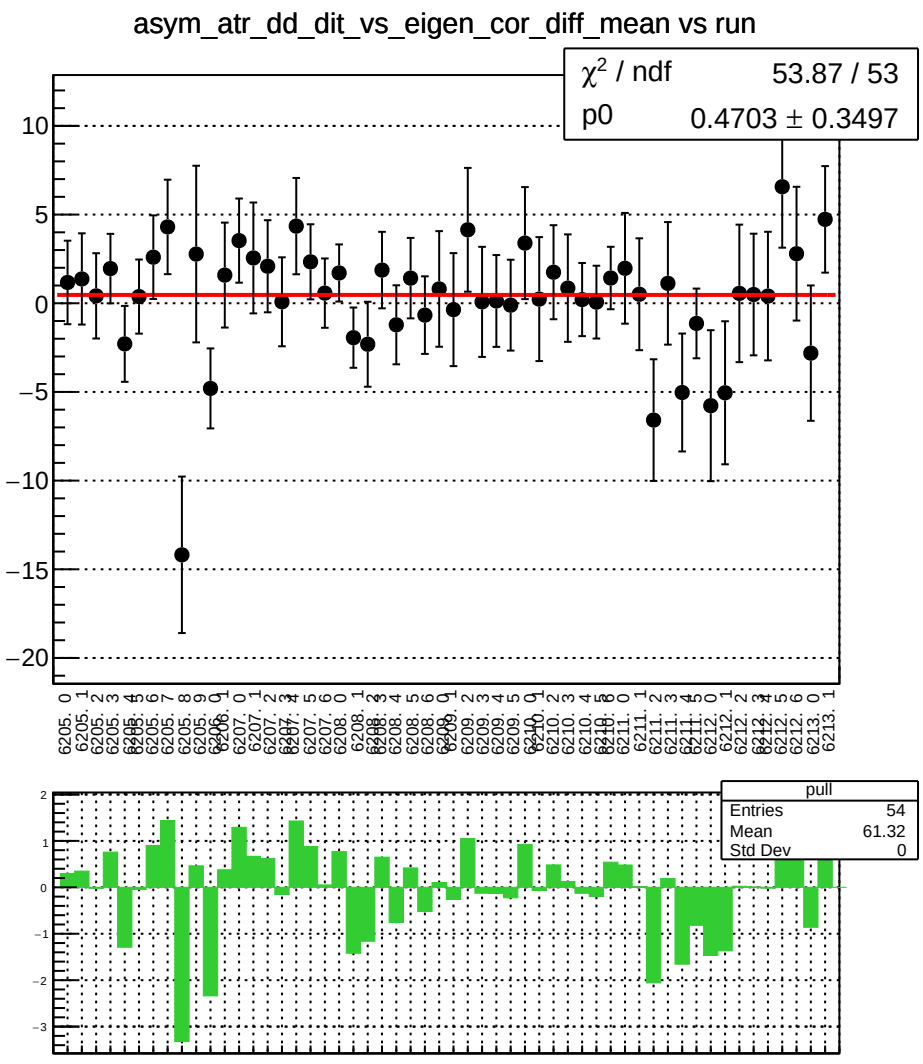

pull1D
Entries 54
Mean 0.01603
Std Dev 0.9613

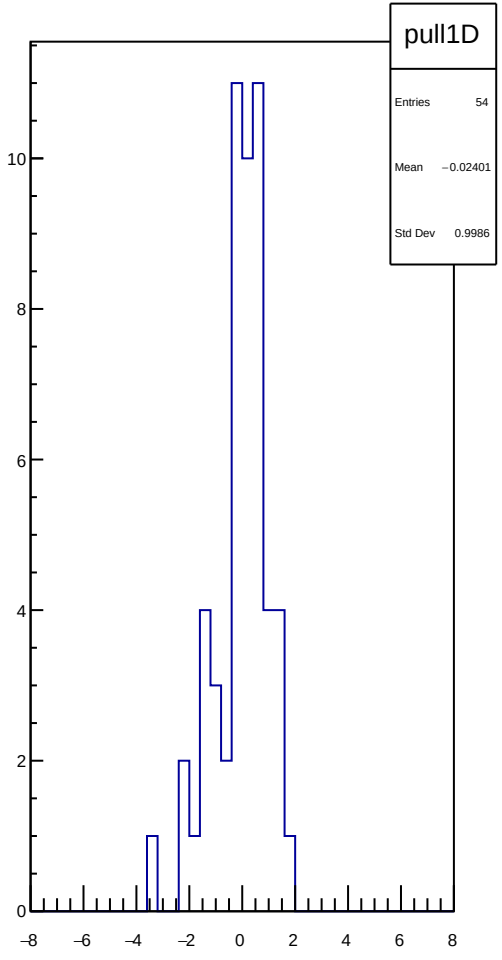

asym_atr_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.652e+05 / 53
p0 3.19e−10 ± 5.08e−13
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

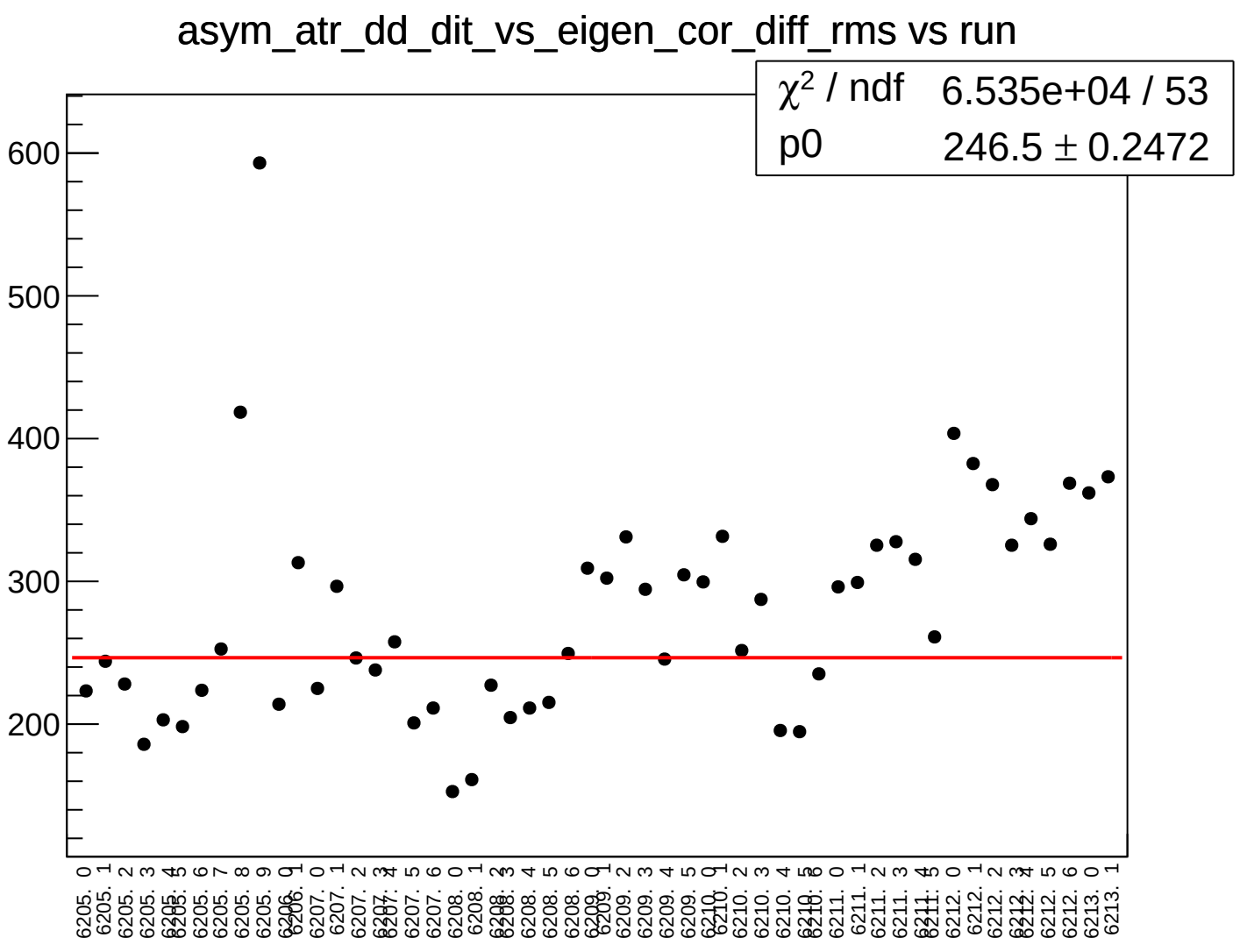

asym_atr_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 53.87 / 53
p0 0.4703 ± 0.3497
pull
Entries 54
Mean 61.32
Std Dev 0

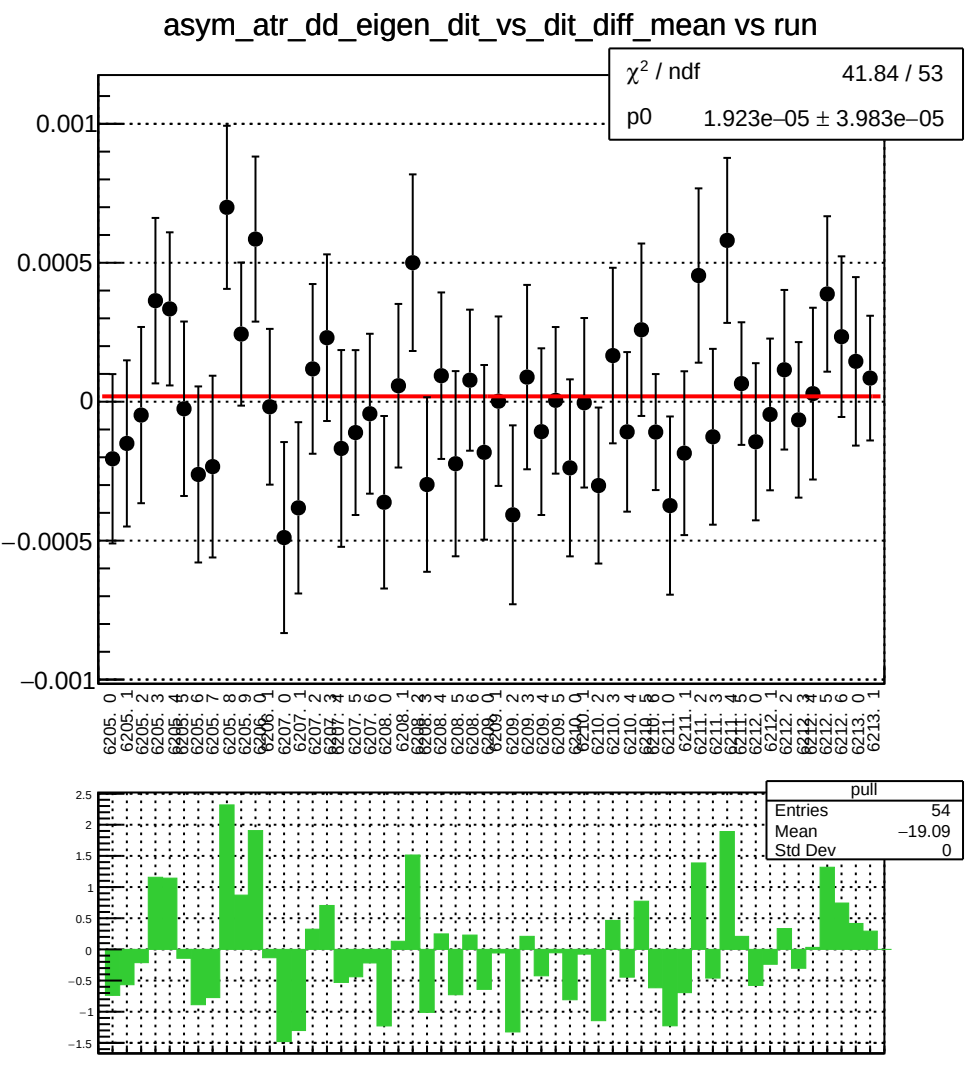

pull1D
Entries 54
Mean −0.02401
Std Dev 0.9986

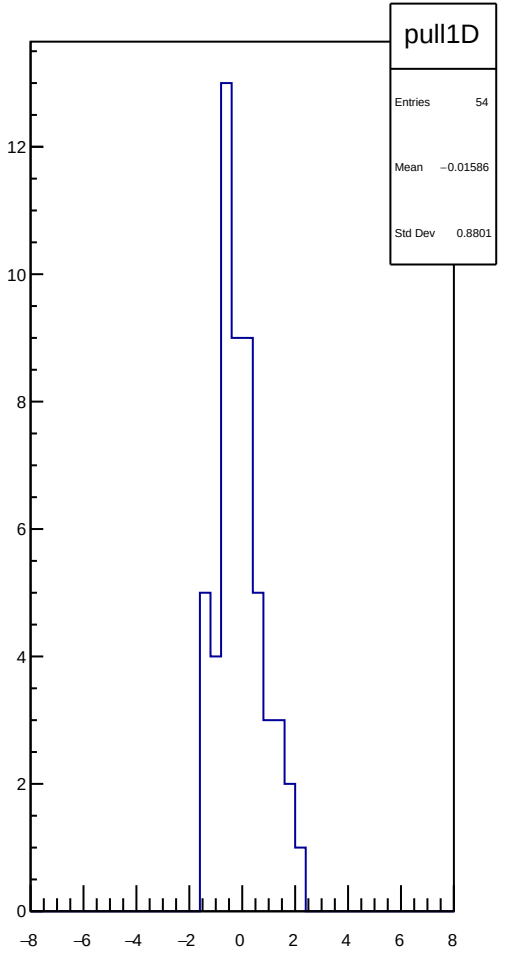

asym_atr_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 6.535e+04 / 53
p0 246.5 ± 0.2472
600
500
400
300
200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

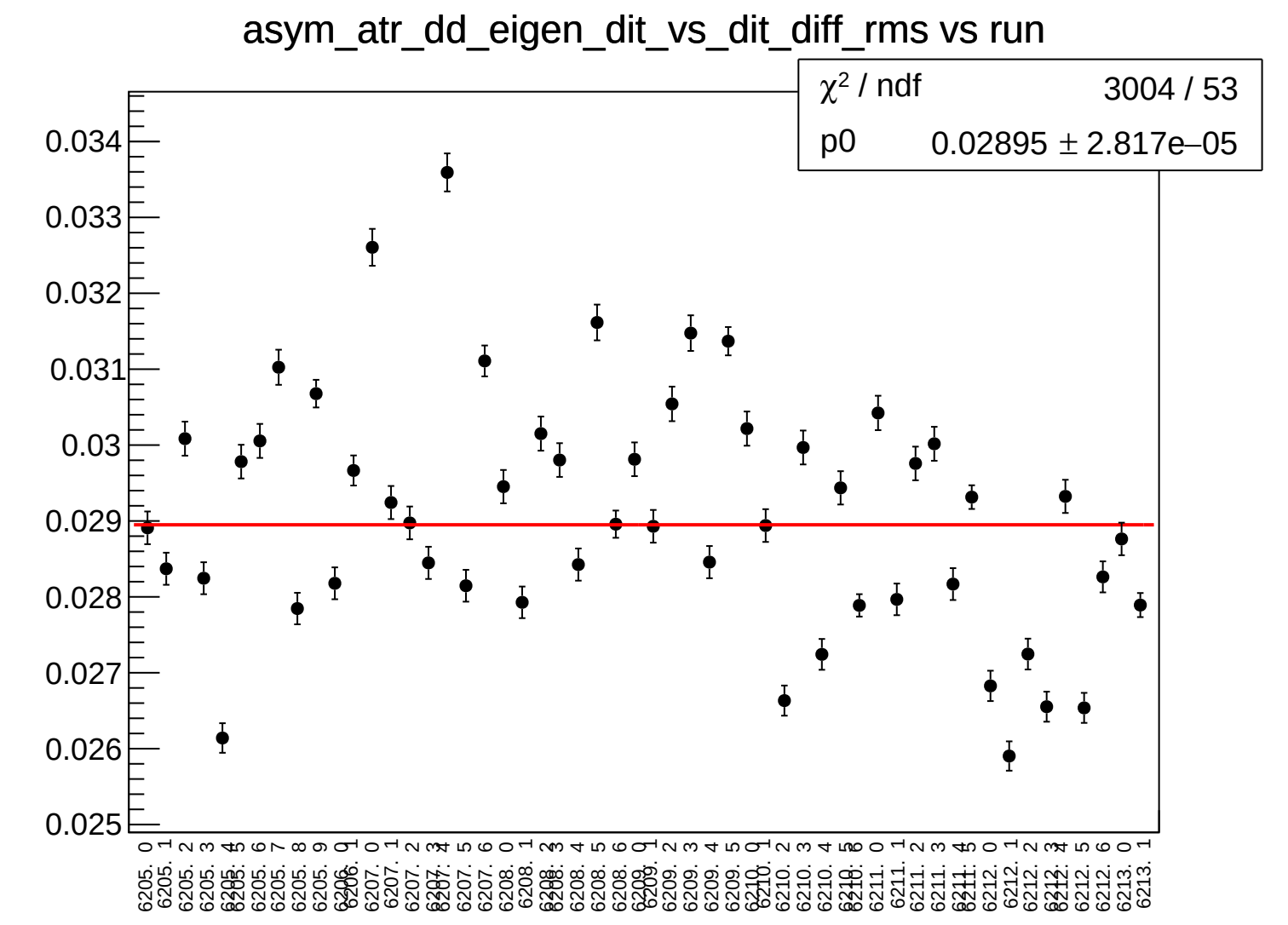

asym_atr_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 53.87 / 53
p0 0.4703 ± 0.3497
pull
Entries 54
Mean 61.32
Std Dev 0

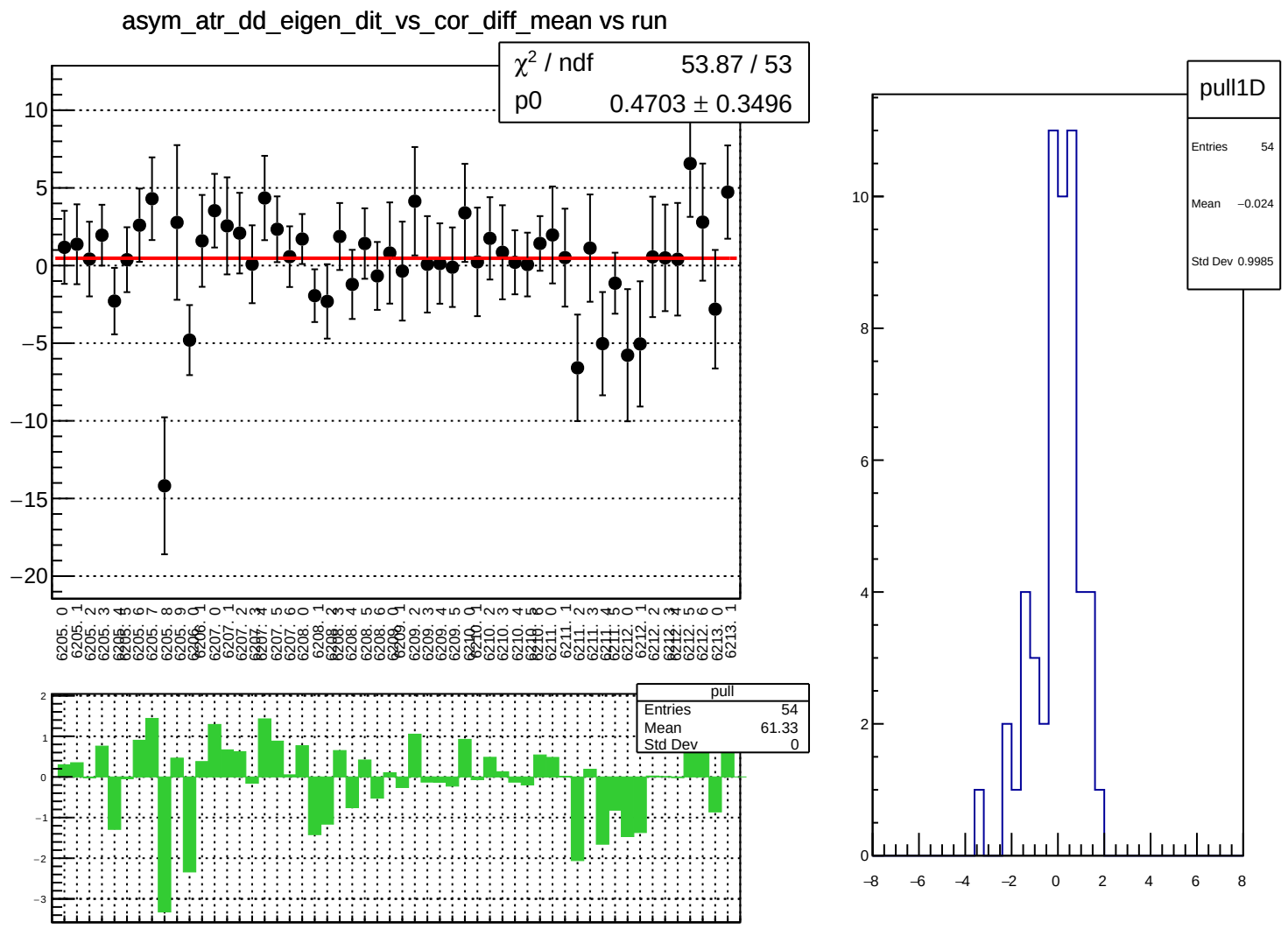

pull1D
Entries 54
Mean −0.02401
Std Dev 0.9986

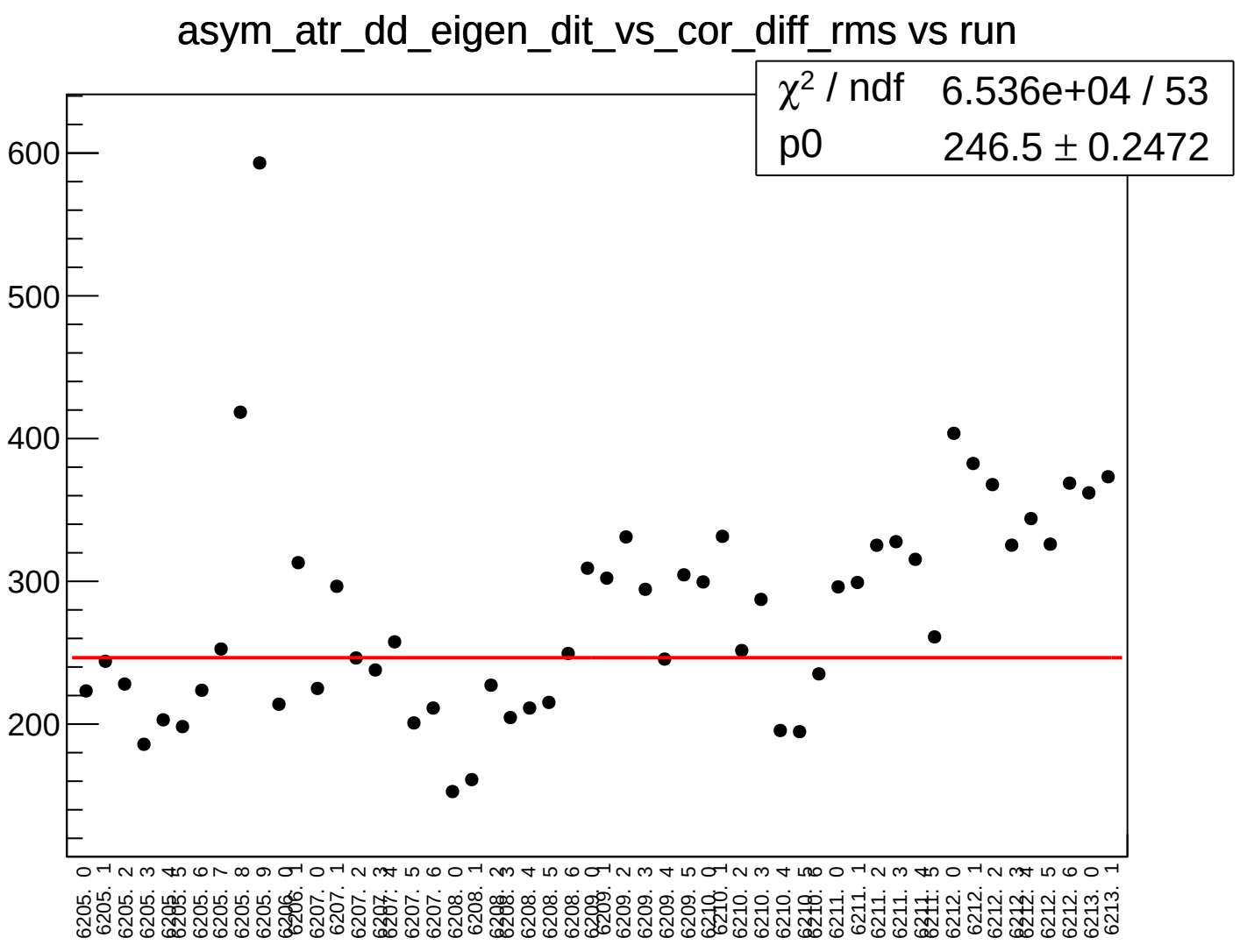

asym_atr_dd_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 6.535e+04 / 53
p0 246.5 ± 0.2472
600
500
400
300
200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

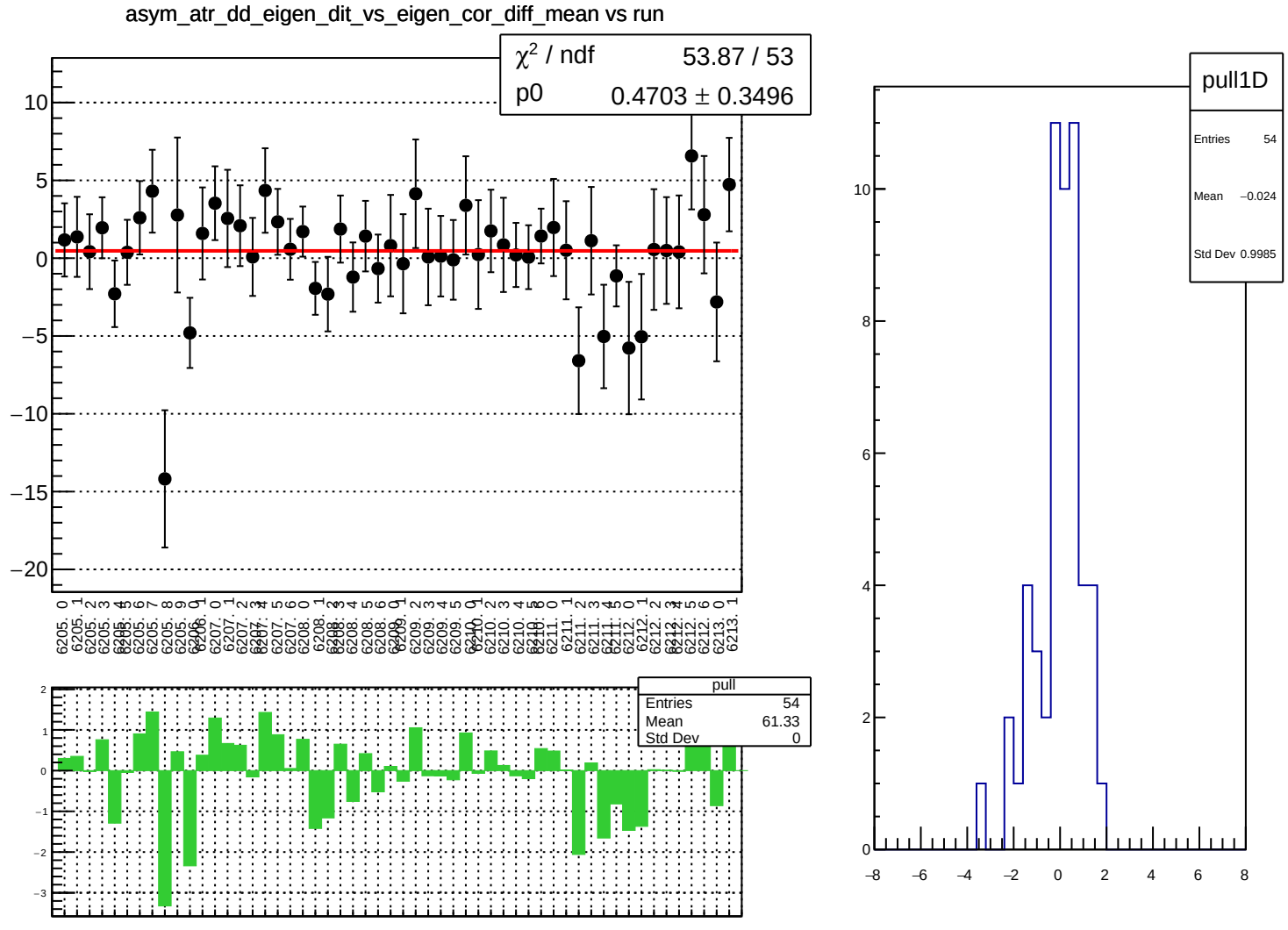

asym_atr_dd_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 41.84 / 53
p0 1.923e−05 ± 3.983e−05
0.001
0.0005
0
−0.0005
−0.001
pull
Entries 54
Mean −19.09
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

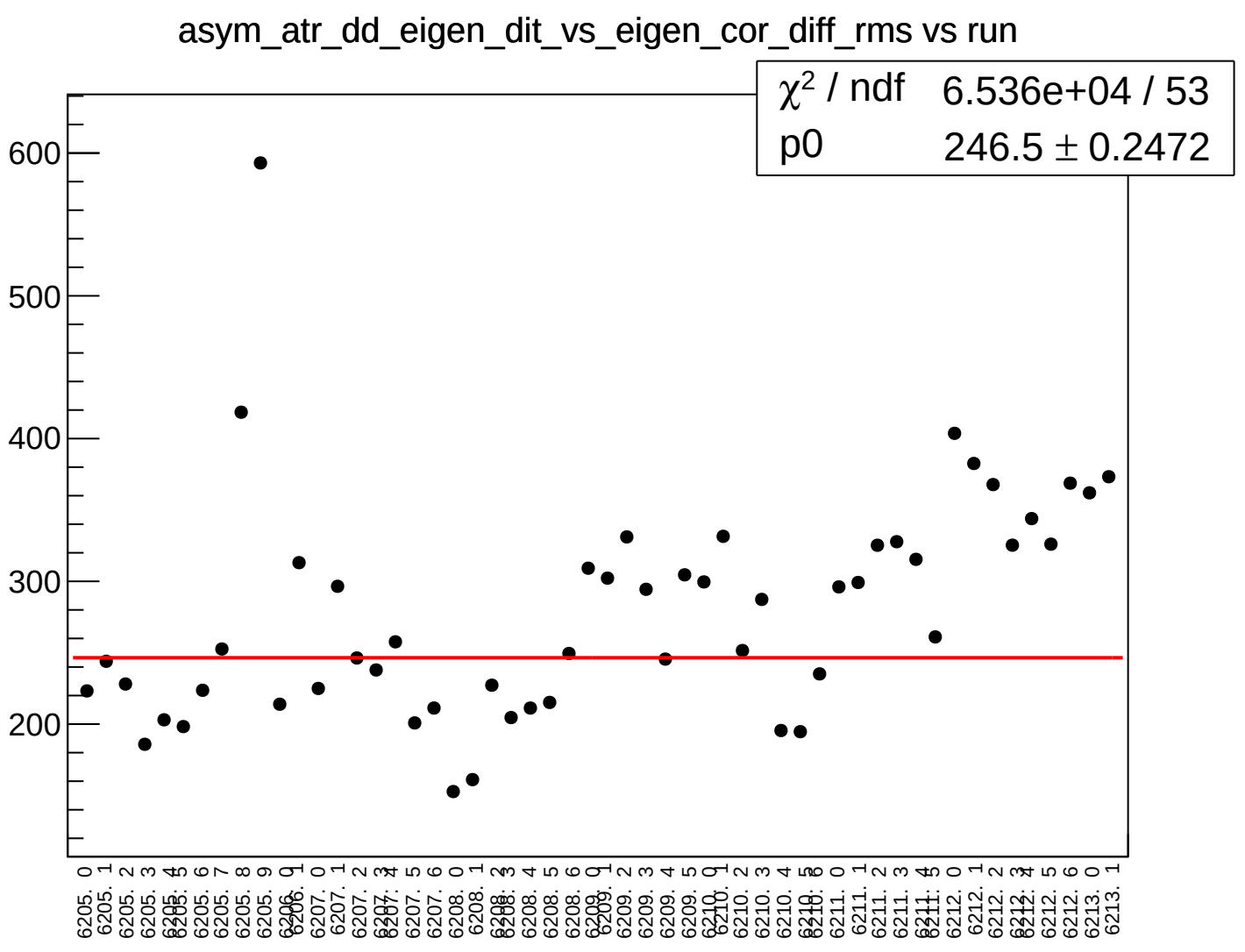

pull1D
Entries 54
Mean −0.01586
Std Dev 0.8801
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

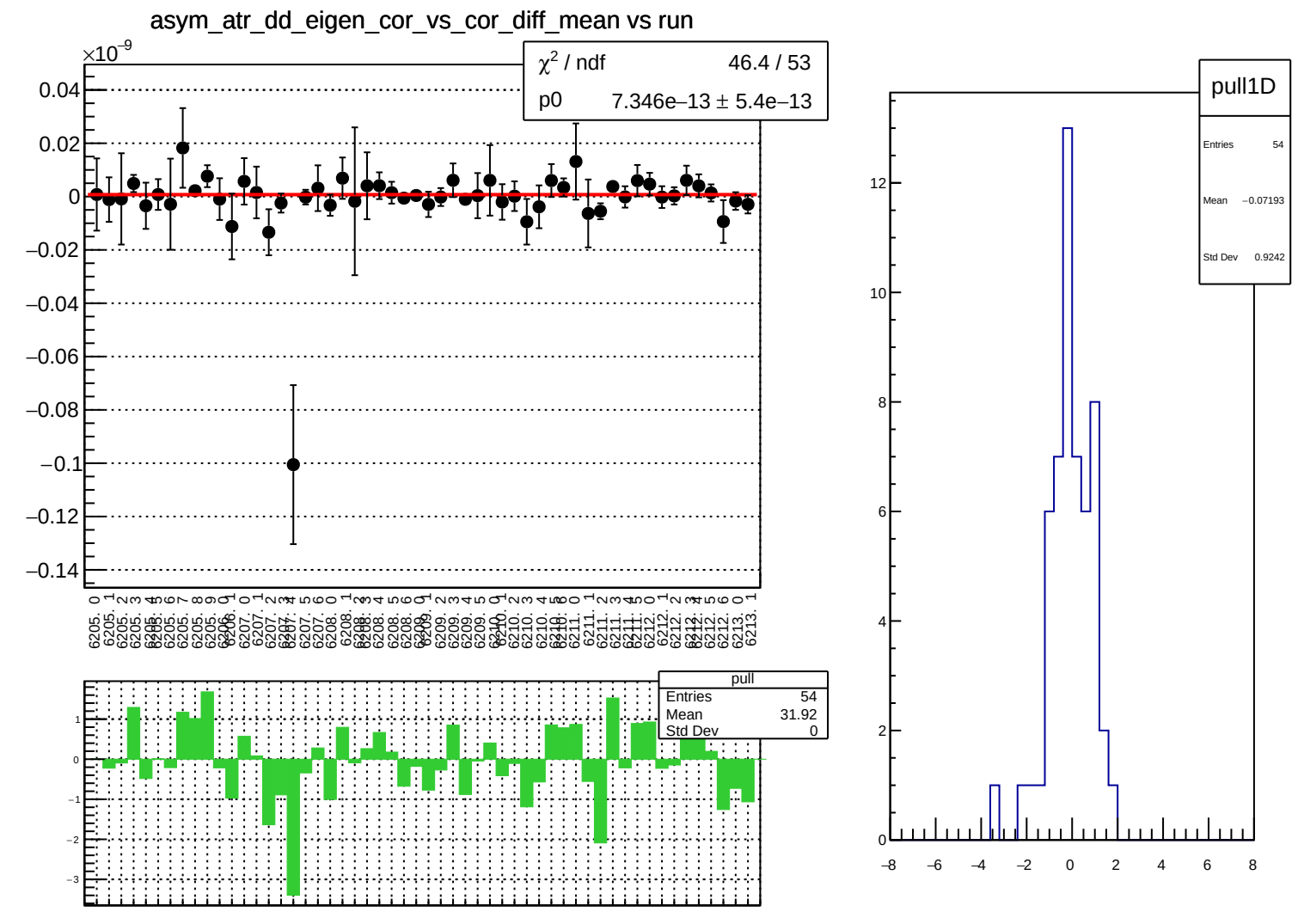

asym_atr_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3004 / 53
p0 0.02895 ± 2.817e–05
0.034
0.033
0.032
0.031
0.03
0.029
0.028
0.027
0.026
0.025

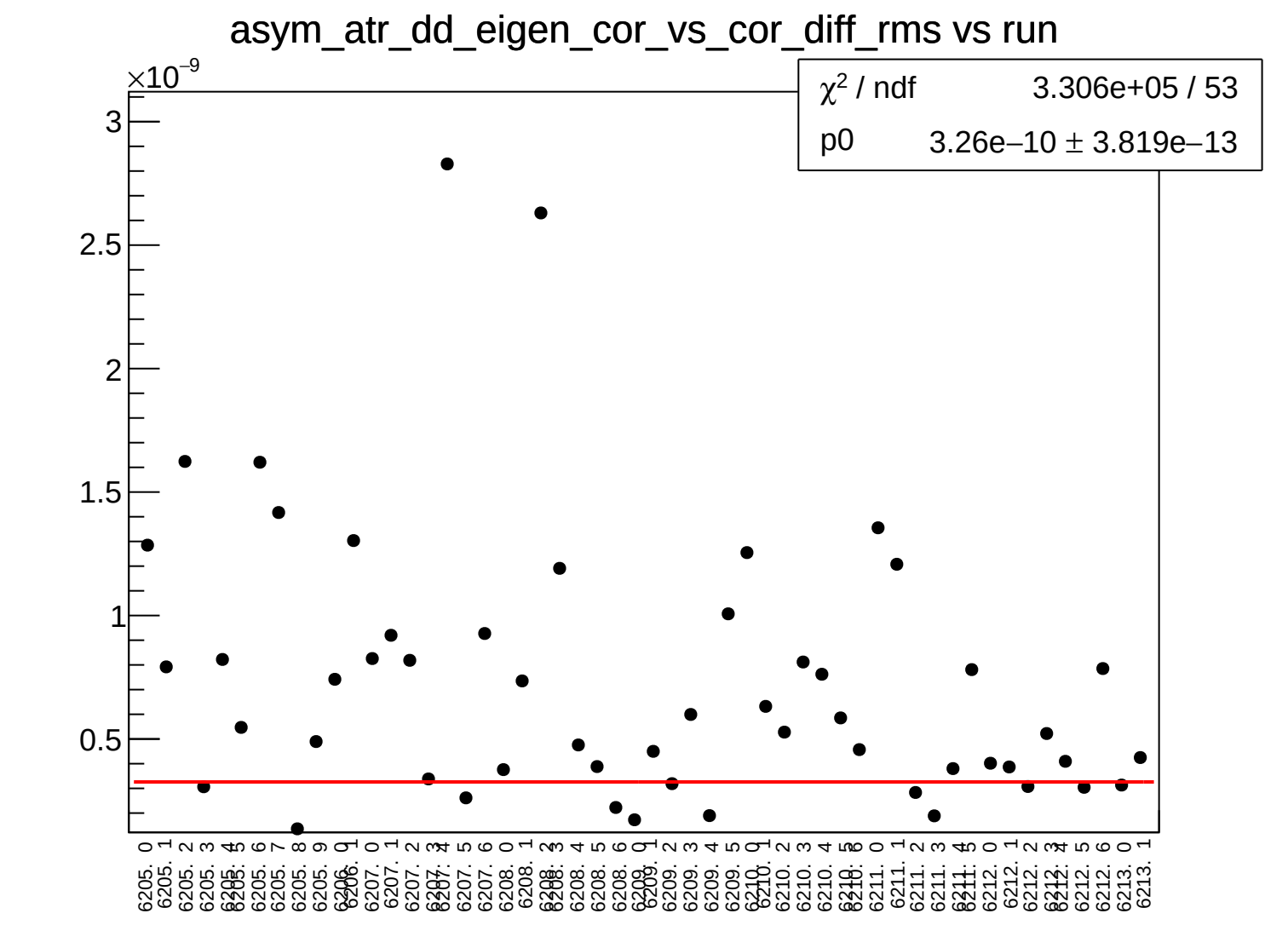

asym_atr_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 53.87 / 53
p0 0.4703 ± 0.3496
pull
Entries 54
Mean 61.33
Std Dev 0
pull1D
Entries 54
Mean −0.024
Std Dev 0.9985

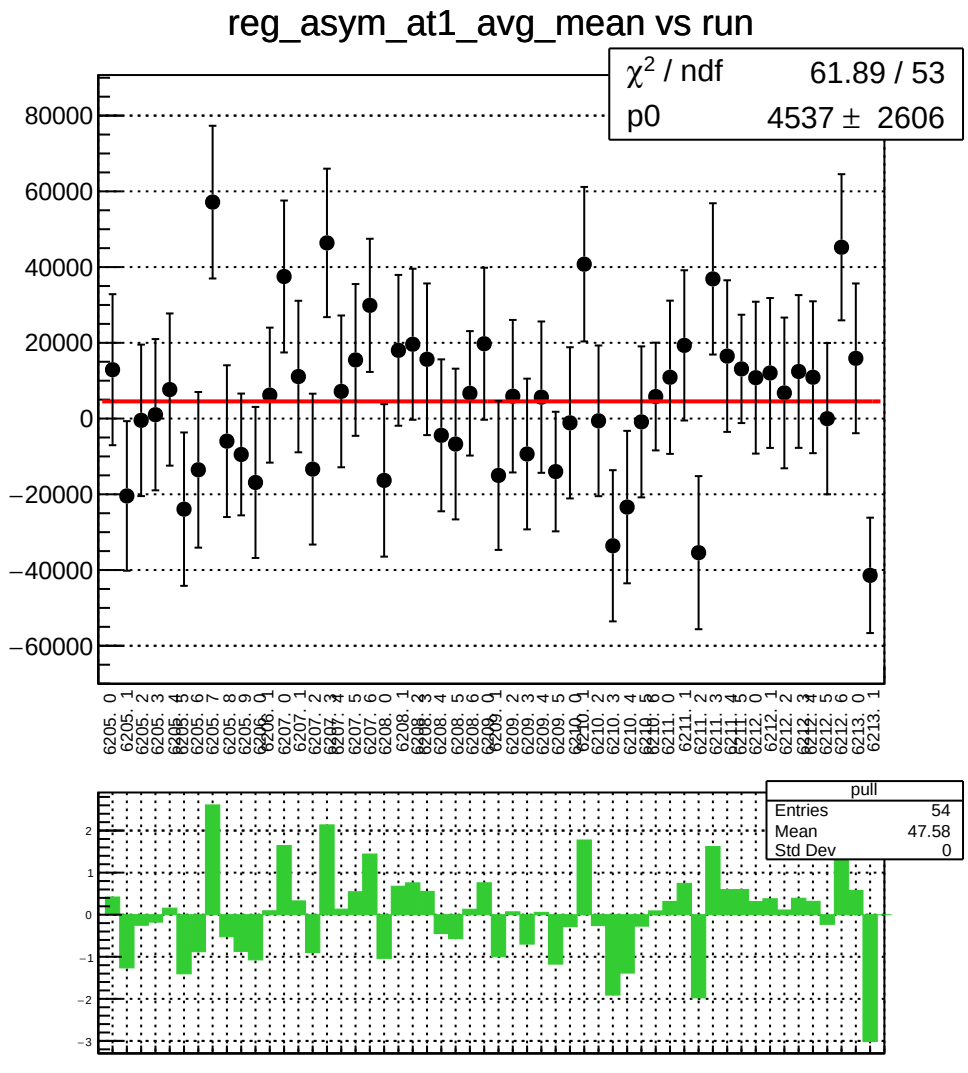

asym_atr_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 6.536e+04 / 53
p0 246.5 ± 0.2472
600
500
400
300
200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

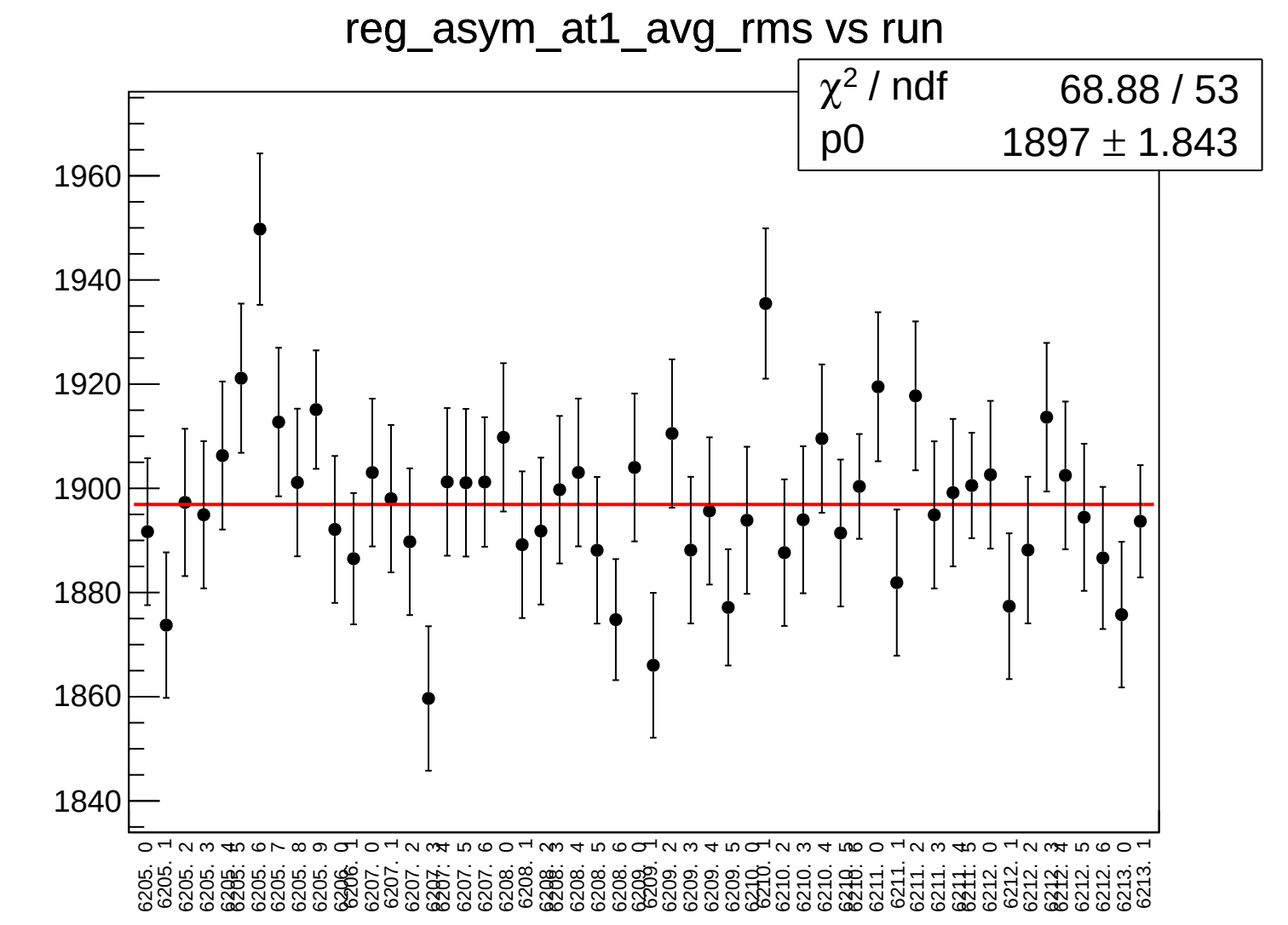

asym_atr_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 53.87 / 53
p0 0.4703 ± 0.3496
pull
Entries 54
Mean 61.33
Std Dev 0
pull1D
Entries 54
Mean −0.024
Std Dev 0.9985

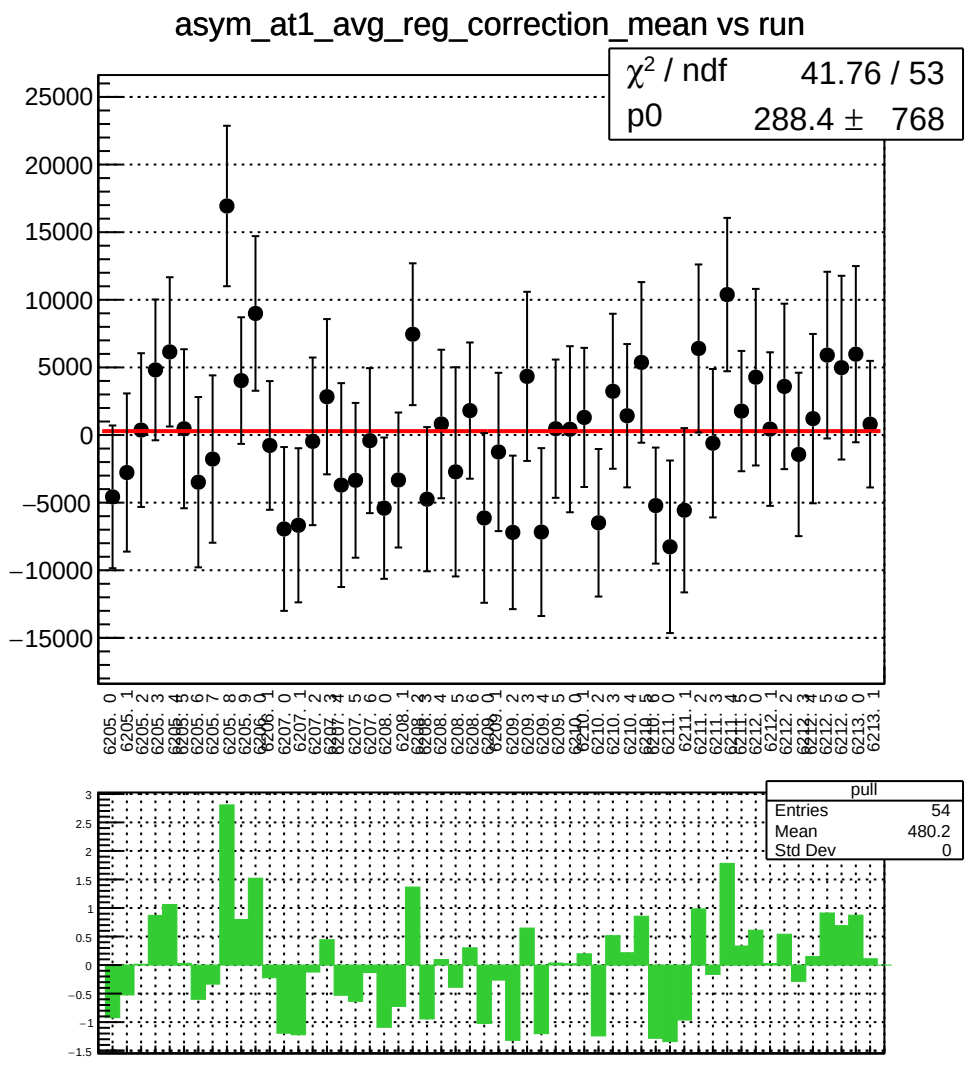

asym_atr_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.536e+04 / 53
p0 246.5 ± 0.2472
600
500
400
300
200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

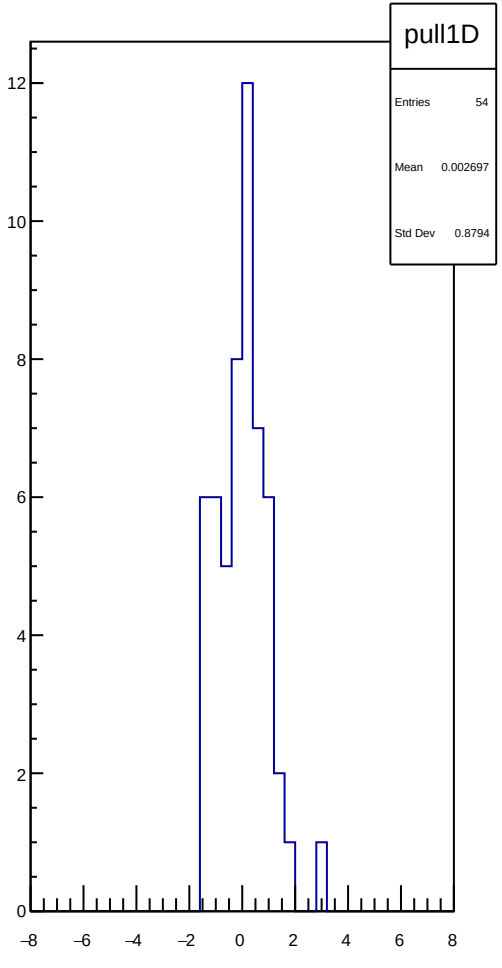

asym_atr_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻⁹
χ² / ndf 46.4 / 53
p0 7.346e−13 ± 5.4e−13
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
pull
Entries 54
Mean 31.92
Std Dev 0
pull1D
Entries 54
Mean −0.07193
Std Dev 0.9242
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

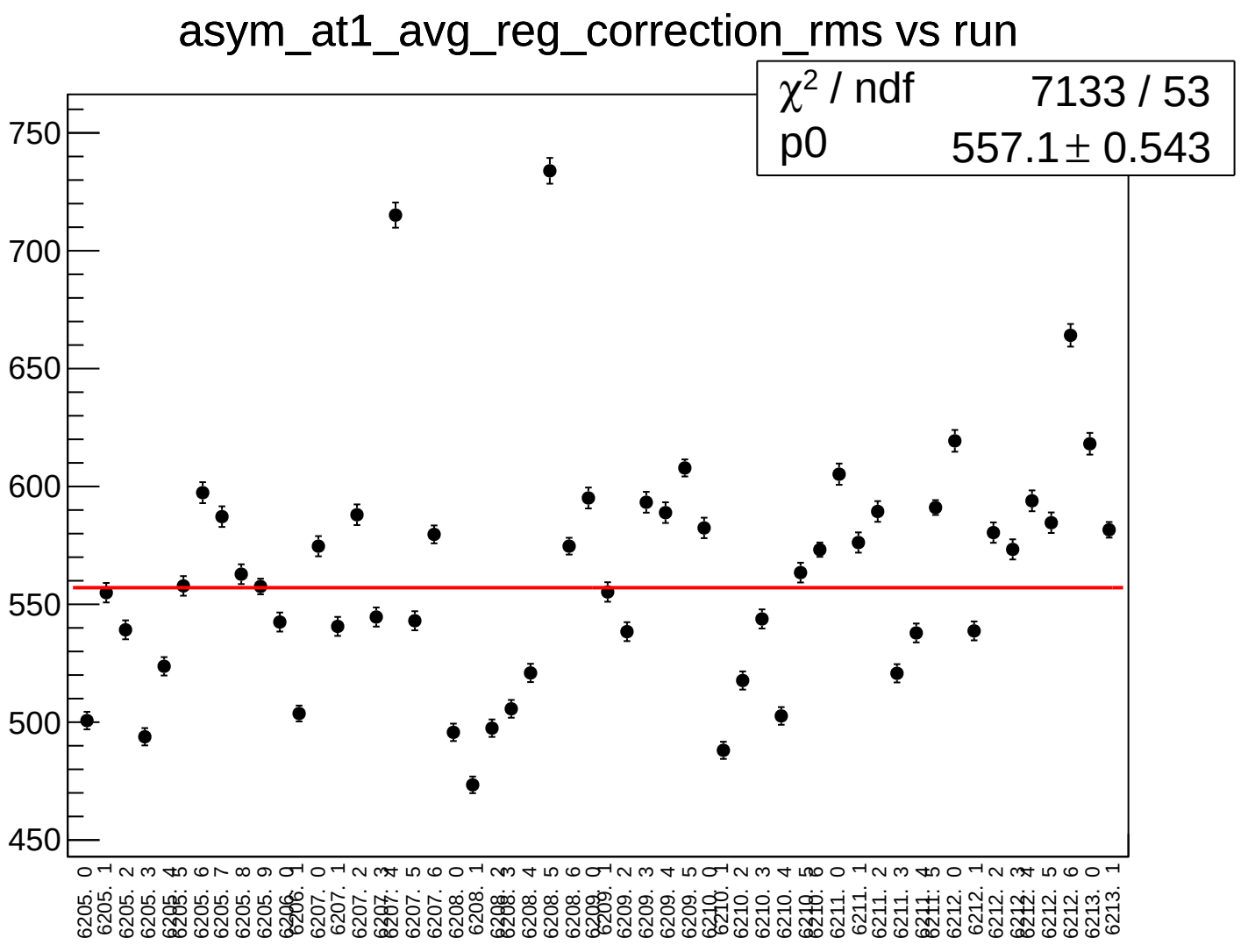

asym_atr_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.306e+05 / 53
p0 3.26e−10 ± 3.819e−13
3
2.5
2
1.5
1
0.5
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 1
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

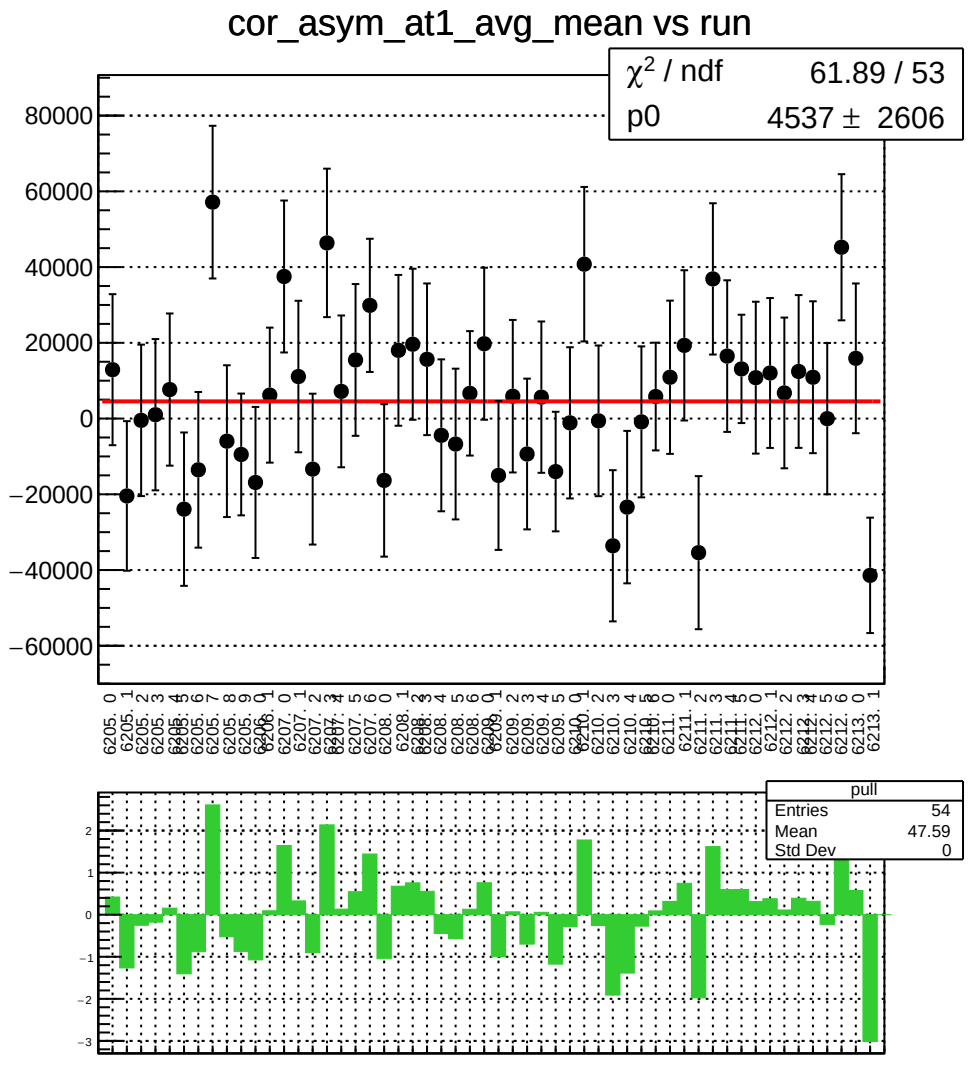

reg_asym_at1_avg_mean vs run
χ² / ndf 61.89 / 53
p0 4537 ± 2606
pull
Entries 54
Mean 47.58
Std Dev 0
pull1D
Entries 54
Mean 0.01588
Std Dev 1.07

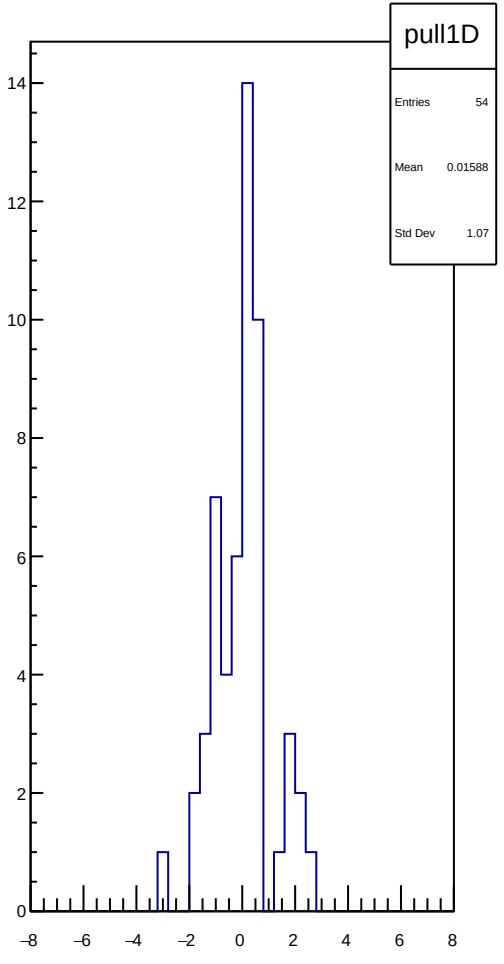

reg_asym_at1_avg_rms vs run
χ² / ndf 68.88 / 53
p0 1897 ± 1.843
1960
1940
1920
1900
1880
1860
1840
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

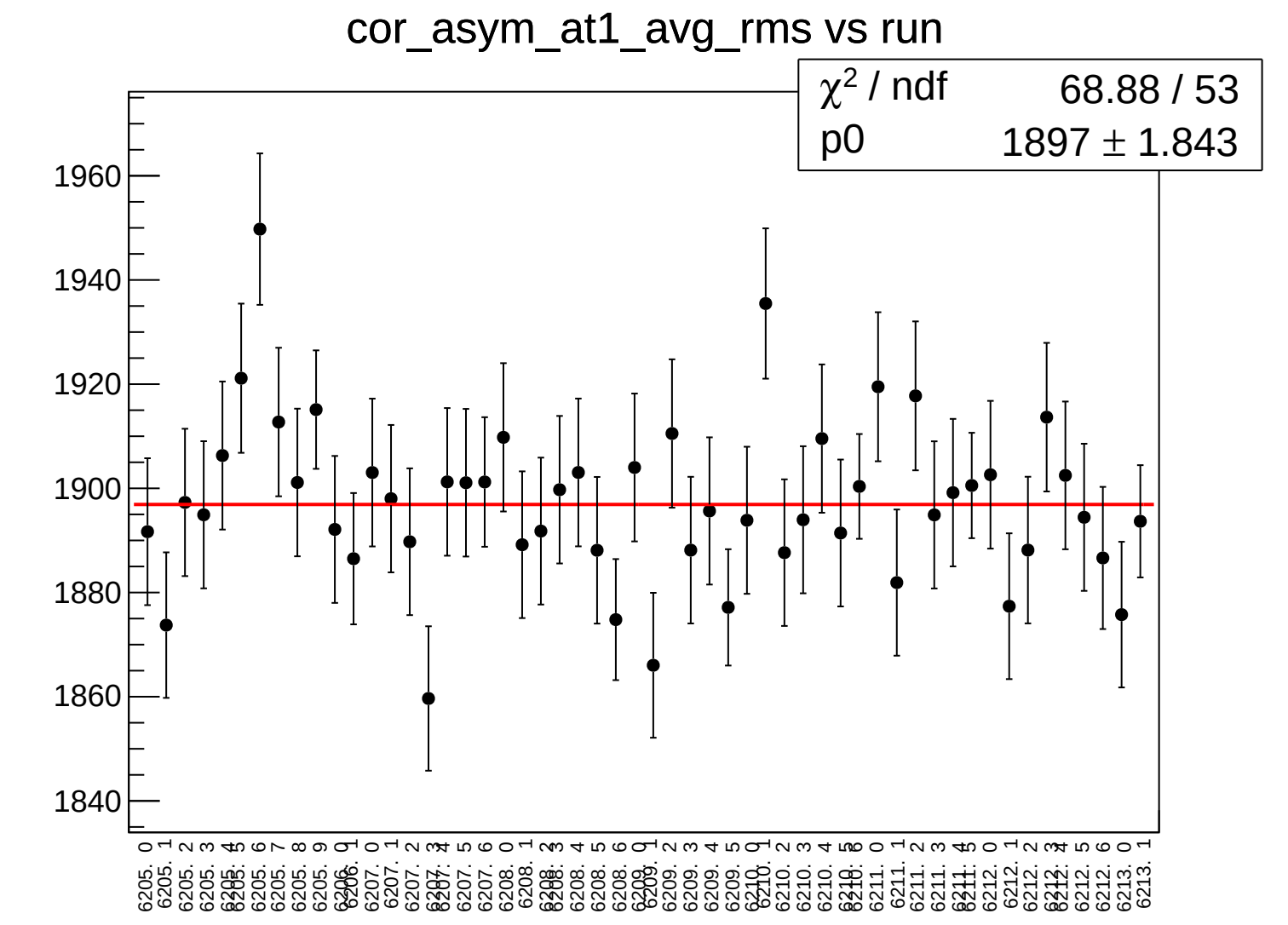

asym_at1_avg_reg_correction_mean vs run
χ² / ndf 41.76 / 53
p0 288.4 ± 768
pull
Entries 54
Mean 480.2
Std Dev 0

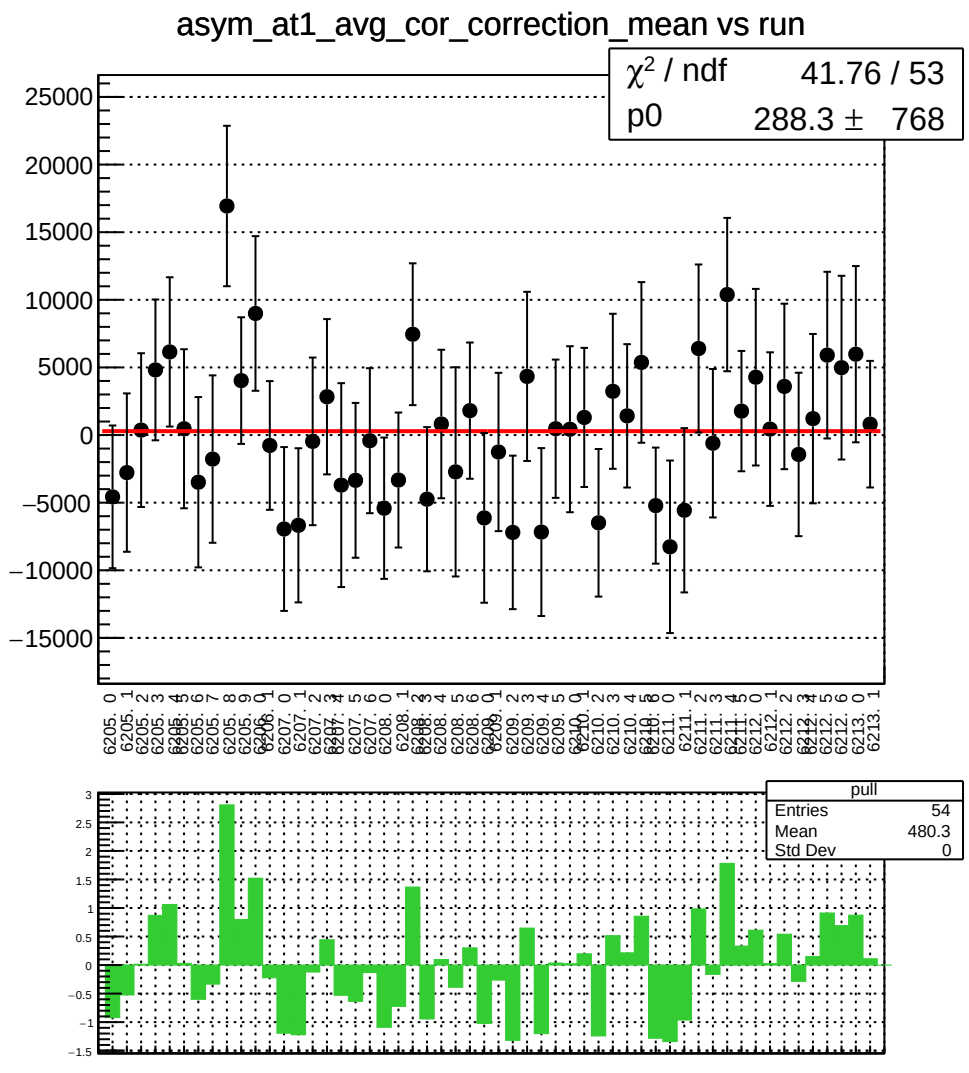

pull1D
Entries 54
Mean 0.002697
Std Dev 0.8794

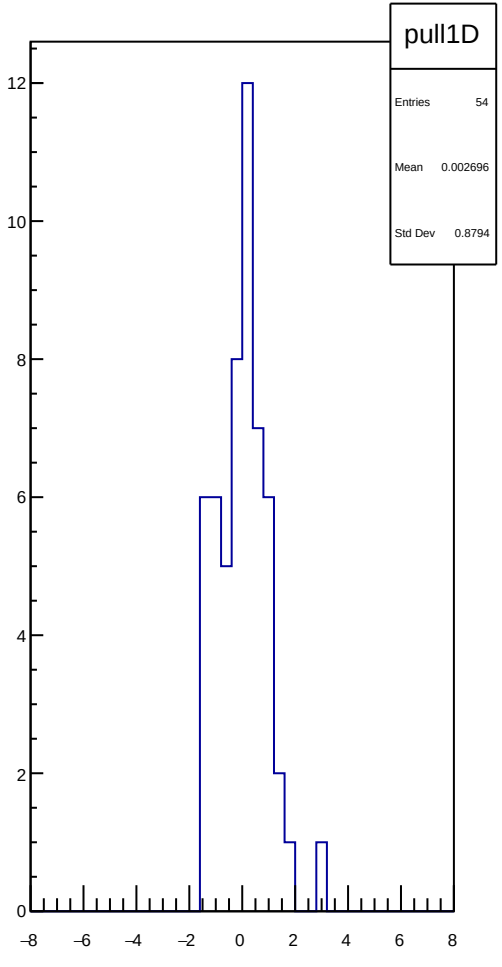

asym_at1_avg_reg_correction_rms vs run
χ² / ndf 7133 / 53
p0 557.1 ± 0.543
750
700
650
600
550
500
450
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

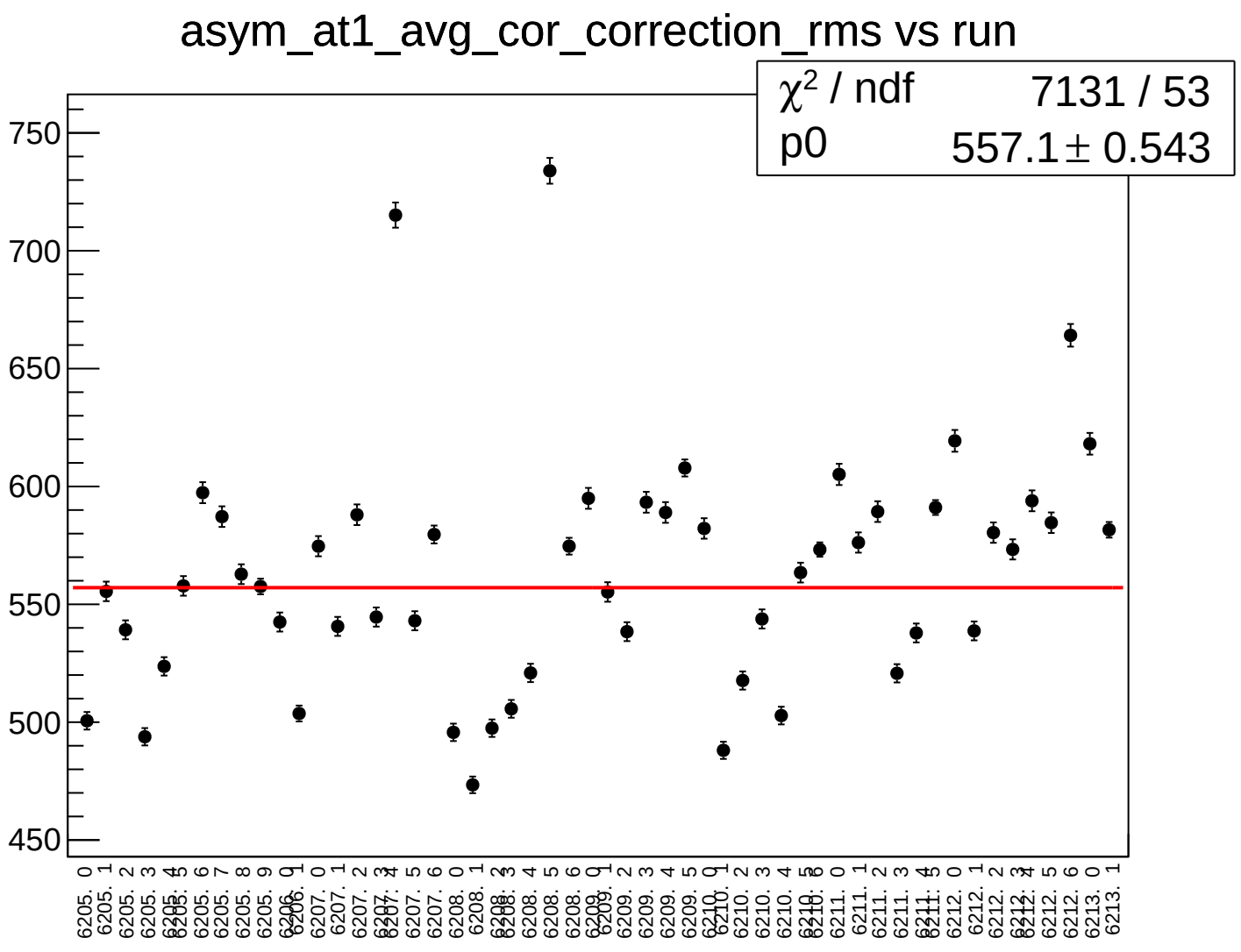

cor_asym_at1_avg_mean vs run
χ² / ndf 61.89 / 53
p0 4537 ± 2606
pull
Entries 54
Mean 47.59
Std Dev 0


pull1D
Entries 54
Mean 0.01588
Std Dev 1.07


cor_asym_at1_avg_rms vs run
χ² / ndf 68.88 / 53
p0 1897 ± 1.843
1960
1940
1920
1900
1880
1860
1840
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_at1_avg_cor_correction_mean vs run
χ² / ndf 41.76 / 53
p0 288.3 ± 768
pull
Entries 54
Mean 480.3
Std Dev 0


pull1D
Entries 54
Mean 0.002696
Std Dev 0.8794


asym_at1_avg_cor_correction_rms vs run
χ² / ndf 7131 / 53
p0 557.1 ± 0.543
750
700
650
600
550
500
450
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
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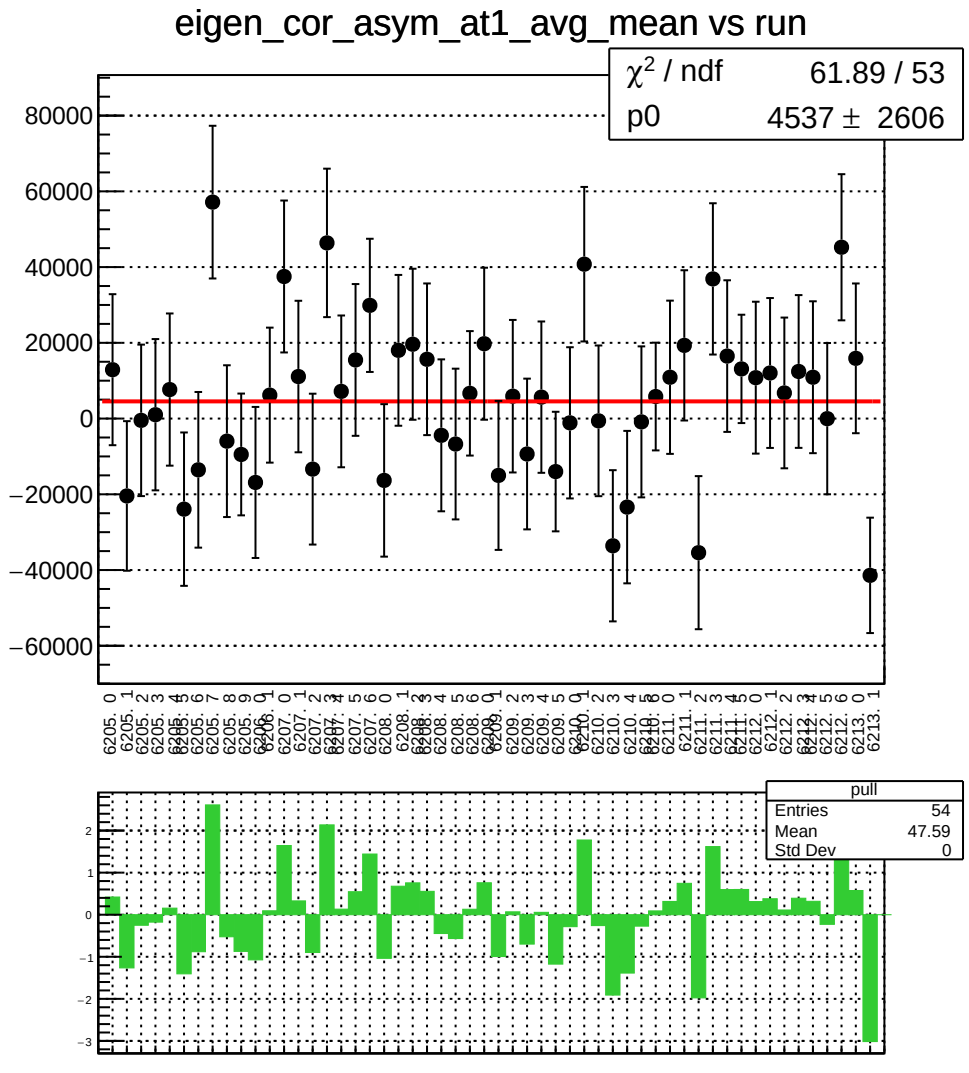
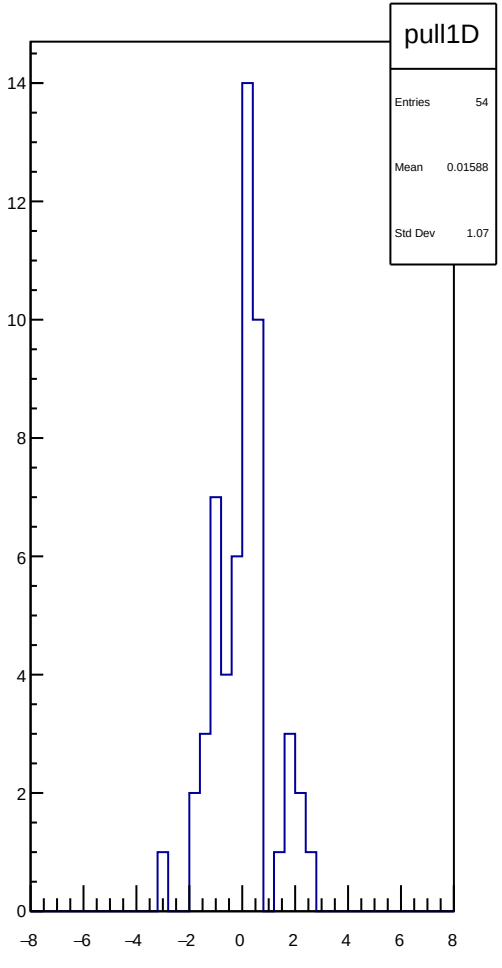
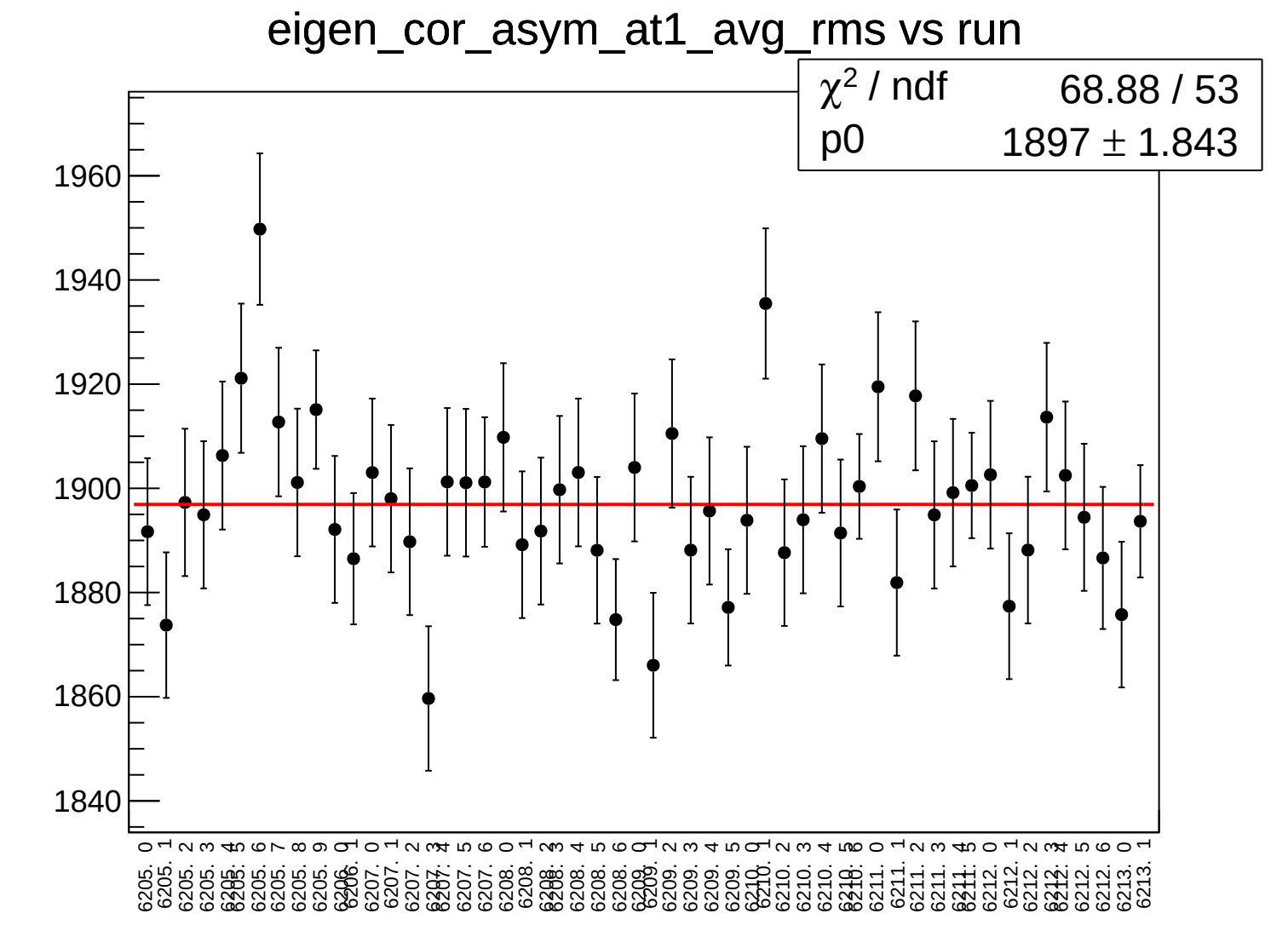
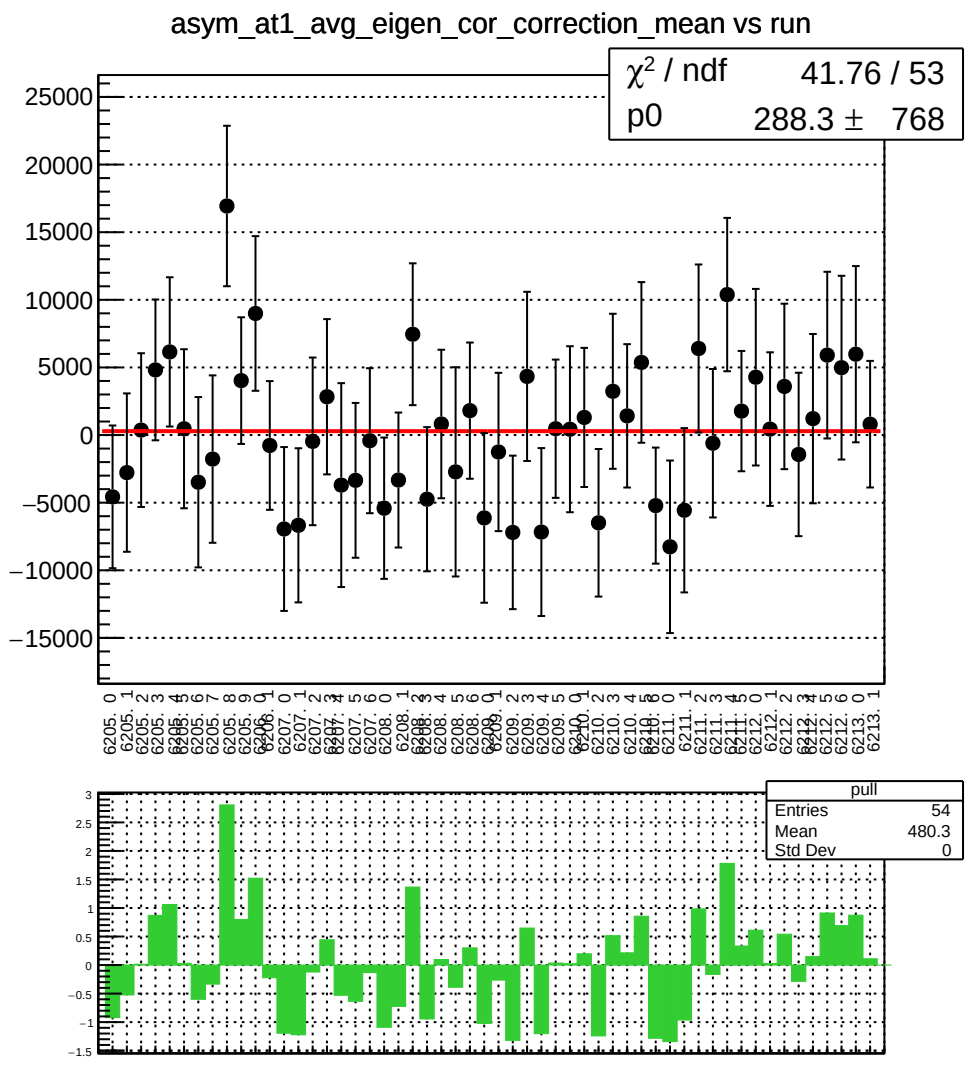
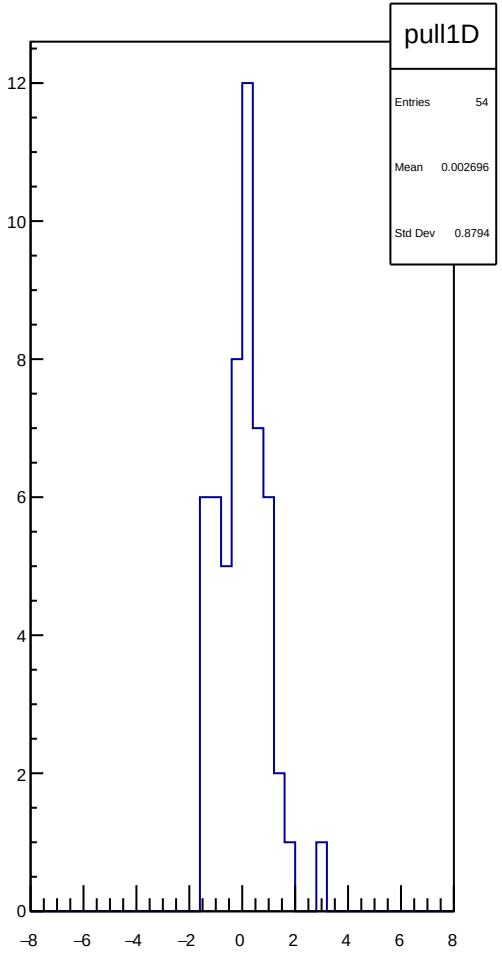
6212. 5
6212. 6
6213. 0
6213. 1

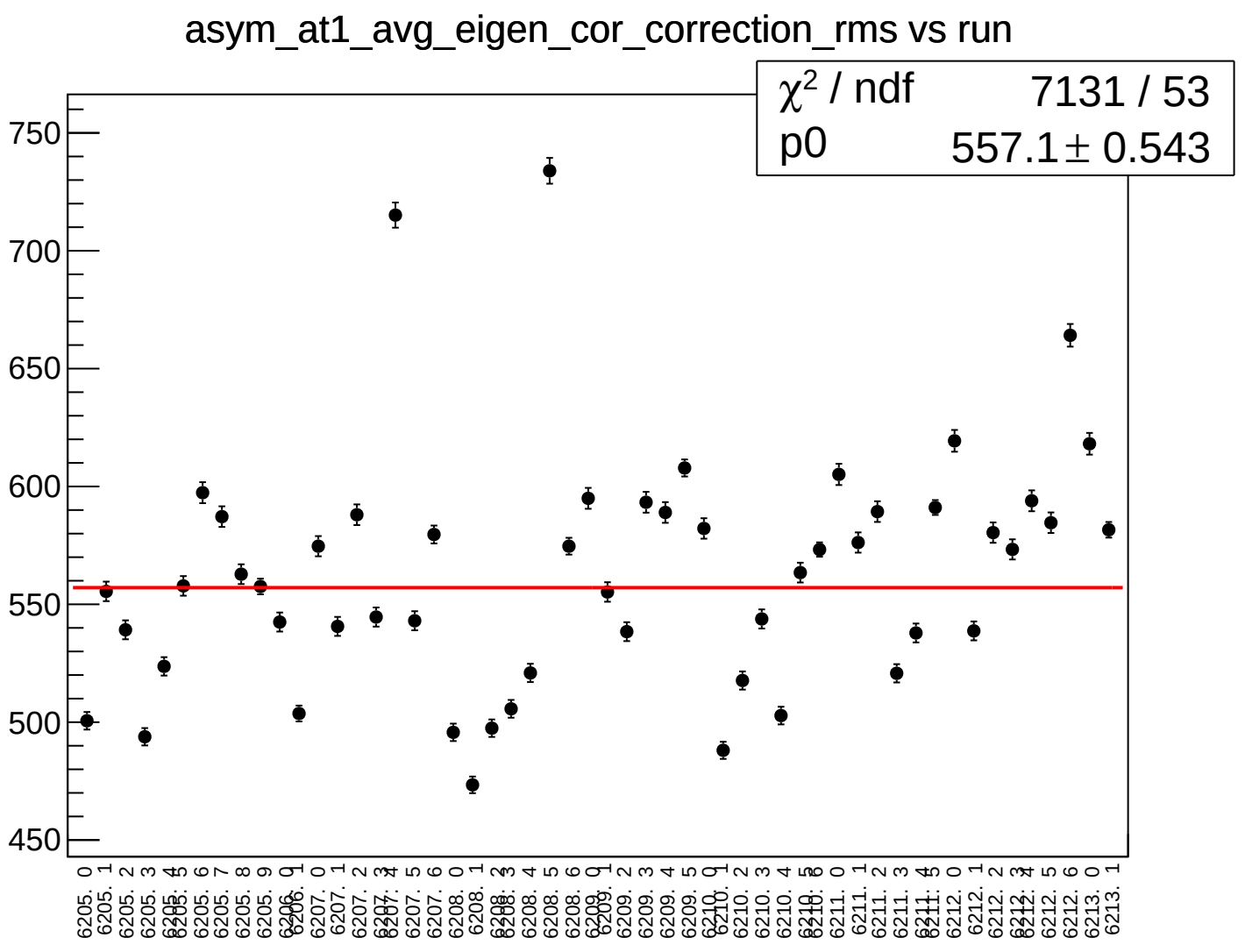

eigen_cor_asym_at1_avg_mean vs run
χ² / ndf 61.89 / 53
p0 4537 ± 2606
pull
Entries 54
Mean 47.59
Std Dev 0

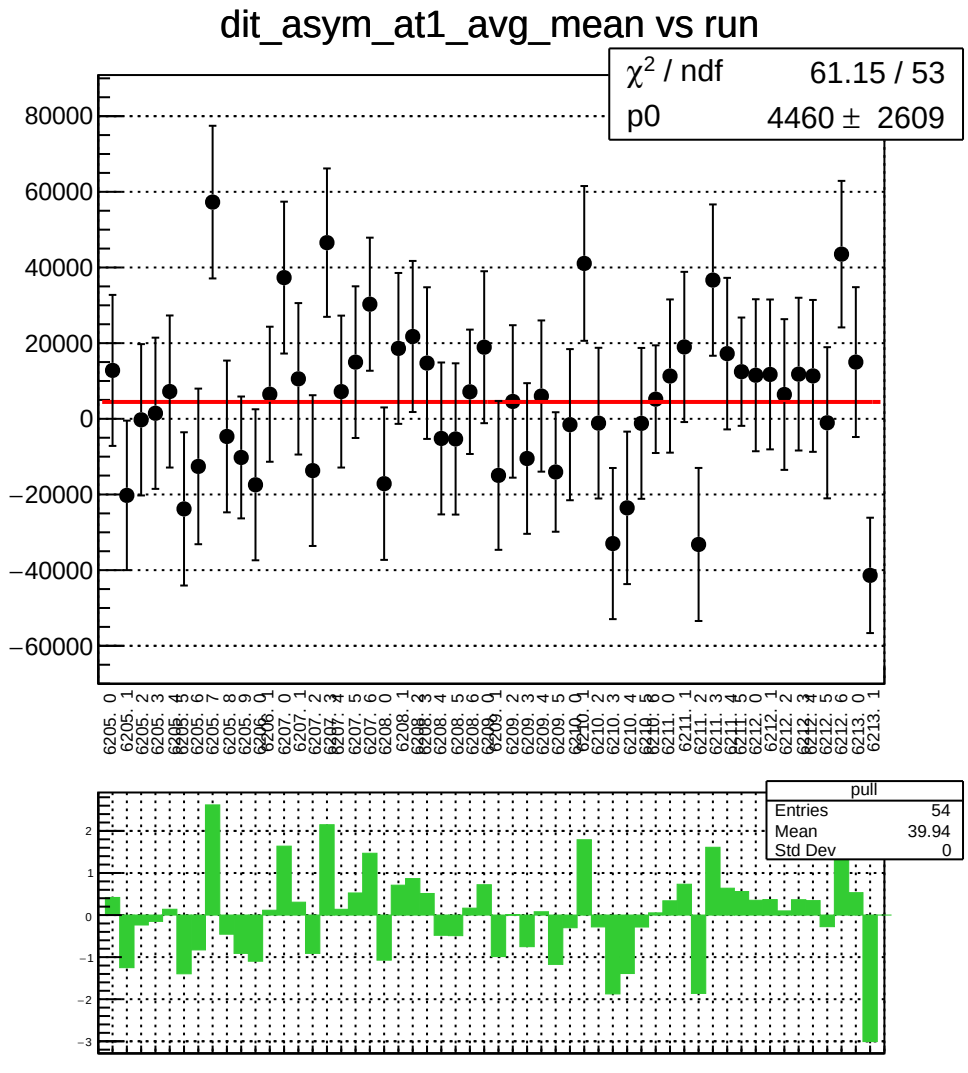

pull1D
Entries 54
Mean 0.01588
Std Dev 1.07

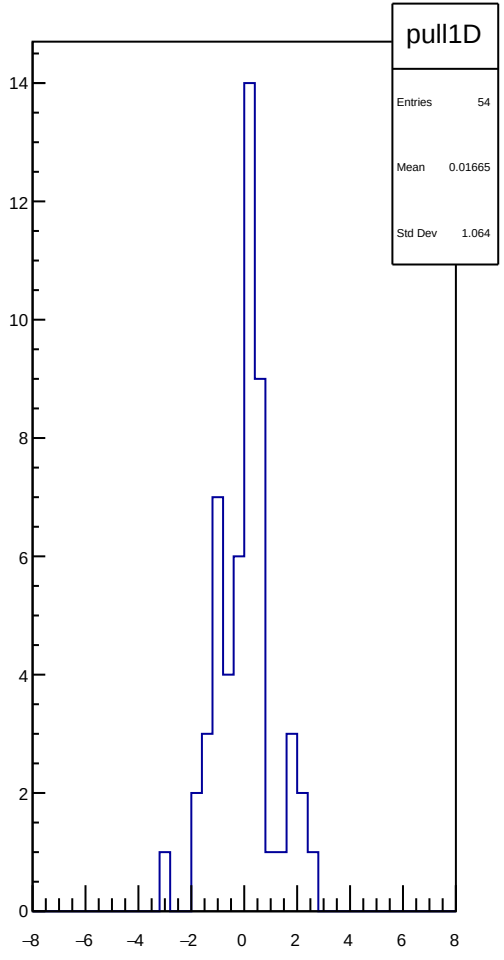

eigen_cor_asym_at1_avg_rms vs run
χ² / ndf 68.88 / 53
p0 1897 ± 1.843
1960
1940
1920
1900
1880
1860
1840
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

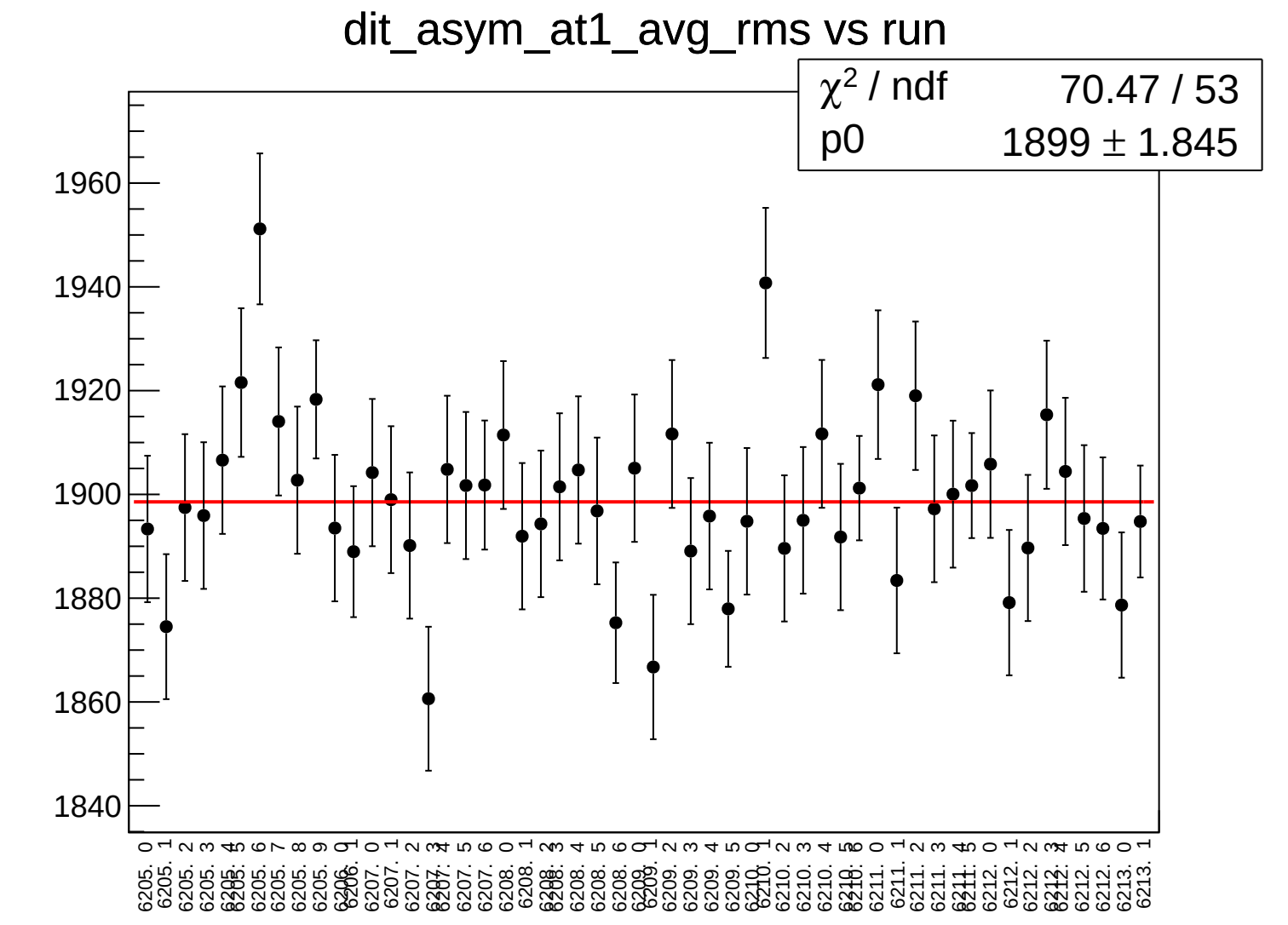

asym_at1_avg_eigen_cor_correction_mean vs run
χ² / ndf 41.76 / 53
p0 288.3 ± 768
pull
Entries 54
Mean 480.3
Std Dev 0

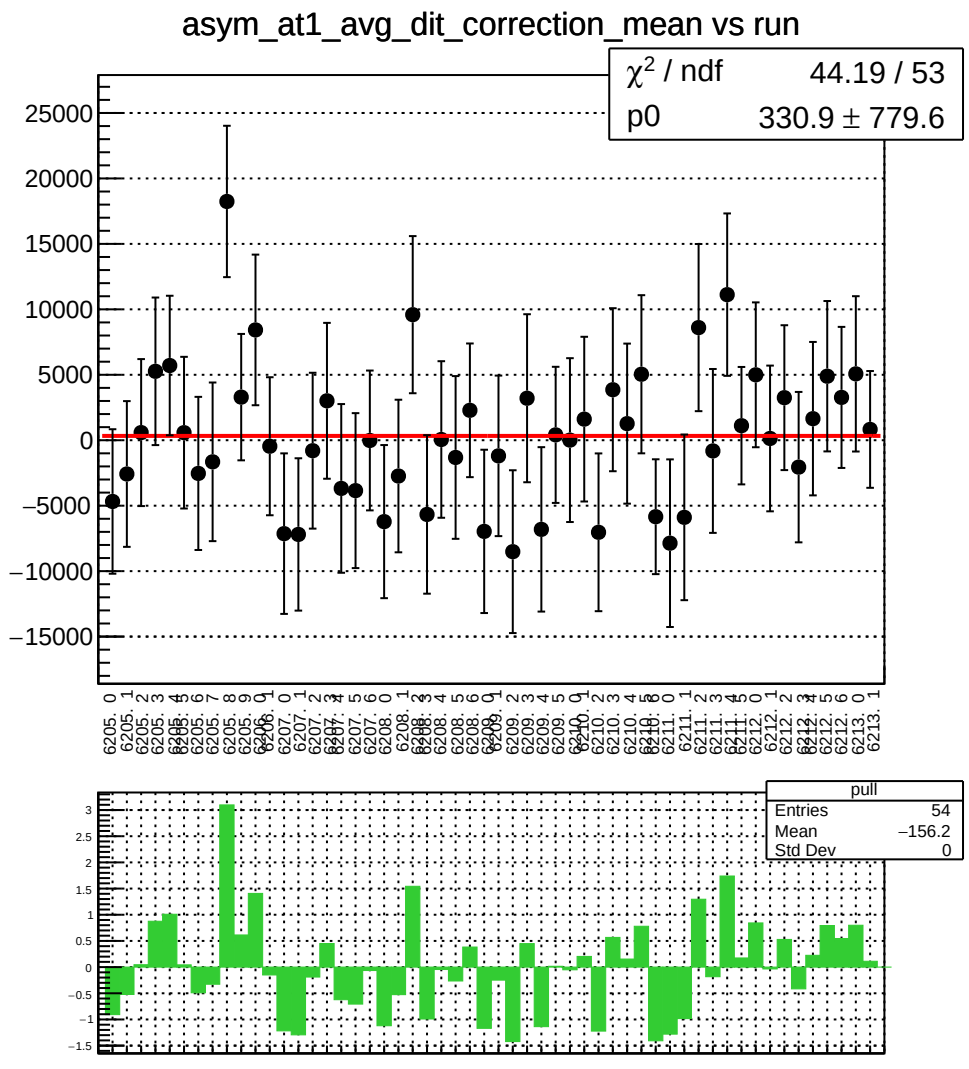

pull1D
Entries 54
Mean 0.002696
Std Dev 0.8794

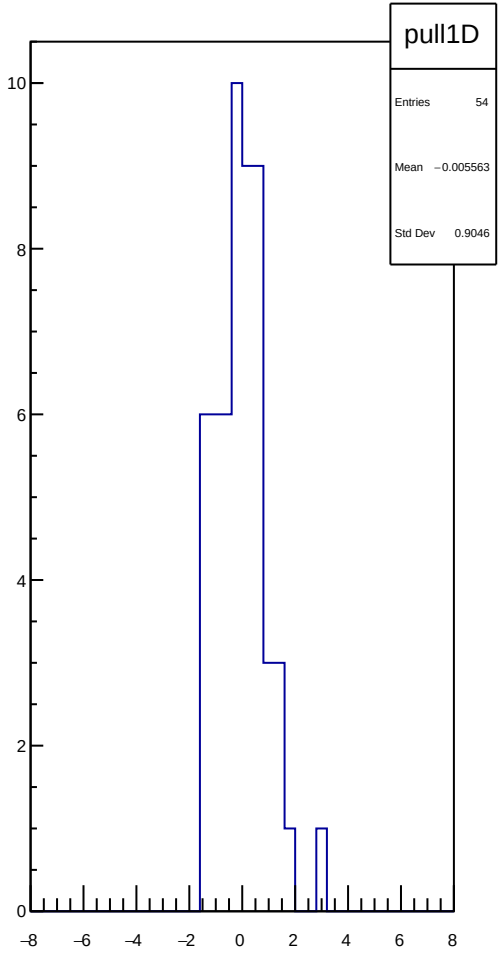

asym_at1_avg_eigen_cor_correction_rms vs run
χ² / ndf 7131 / 53
p0 557.1 ± 0.543
750
700
650
600
550
500
450
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

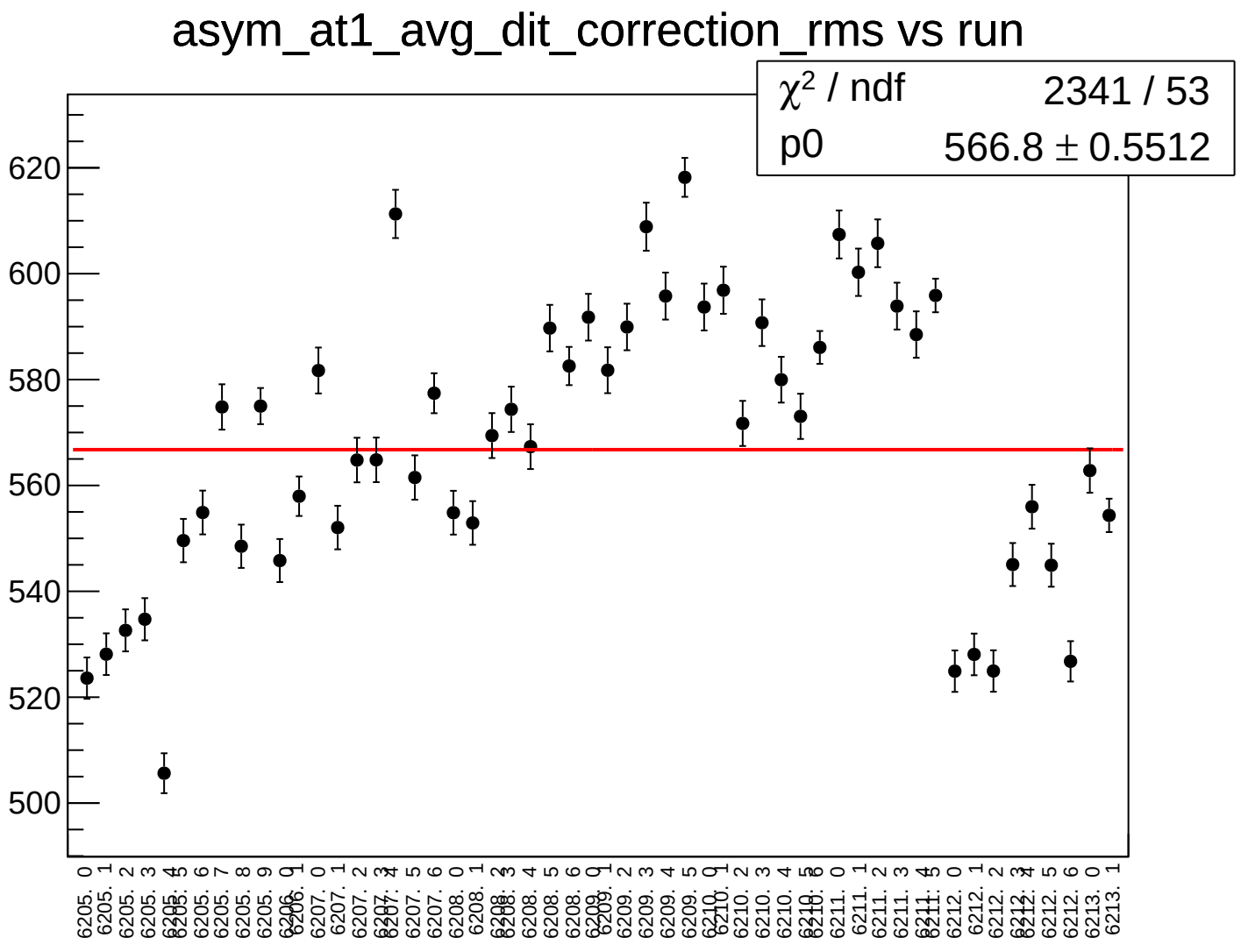

dit_asym_at1_avg_mean vs run
χ² / ndf 61.15 / 53
p0 4460 ± 2609
pull
Entries 54
Mean 39.94
Std Dev 0

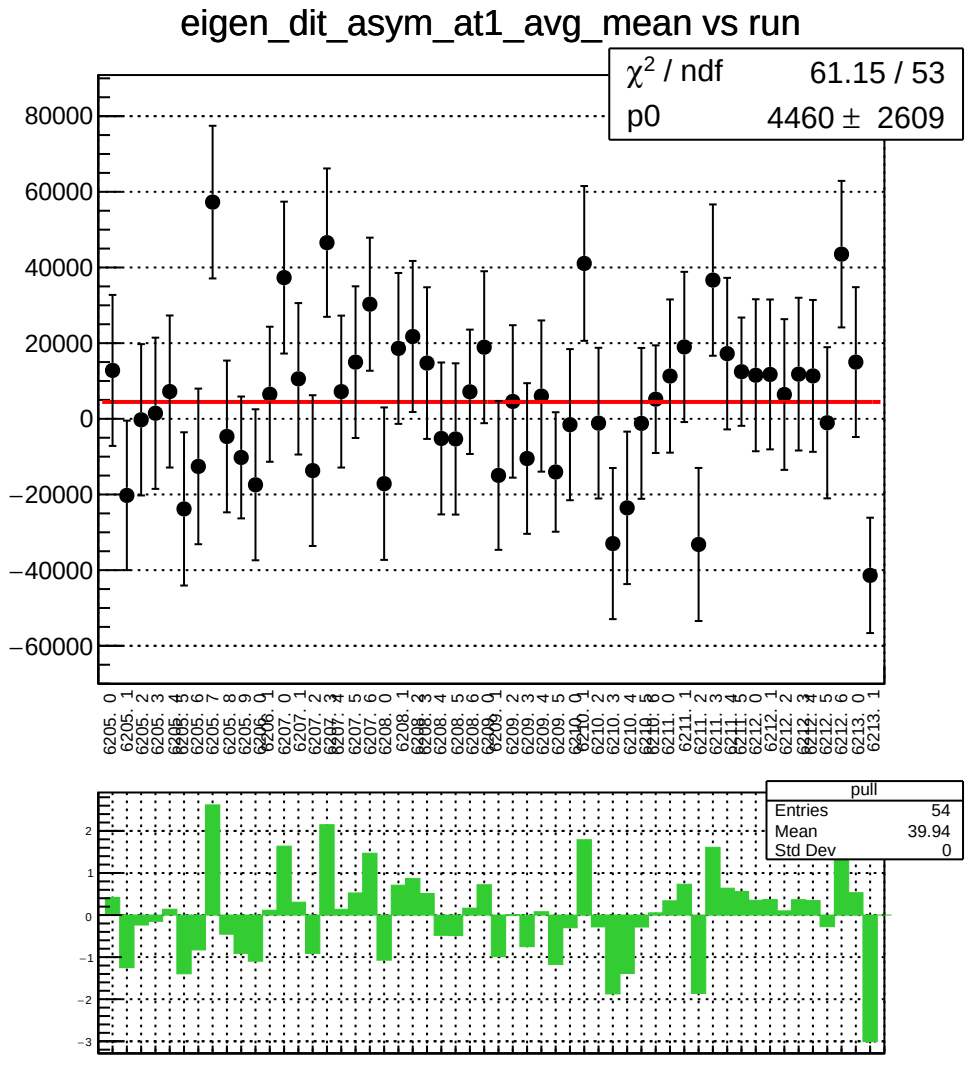

pull1D
Entries 54
Mean 0.01665
Std Dev 1.064

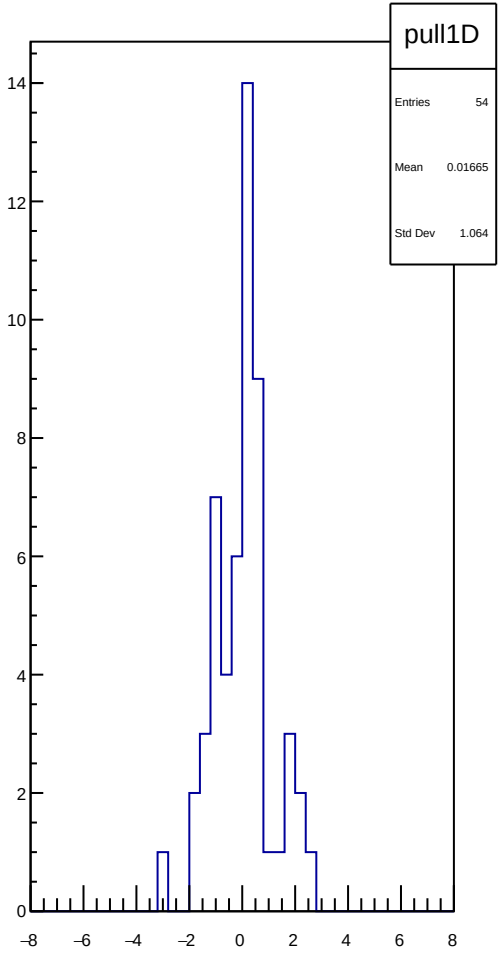

dit_asym_at1_avg_rms vs run
χ^2 / ndf 70.47 / 53
p0 1899 ± 1.845
1960
1940
1920
1900
1880
1860
1840
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

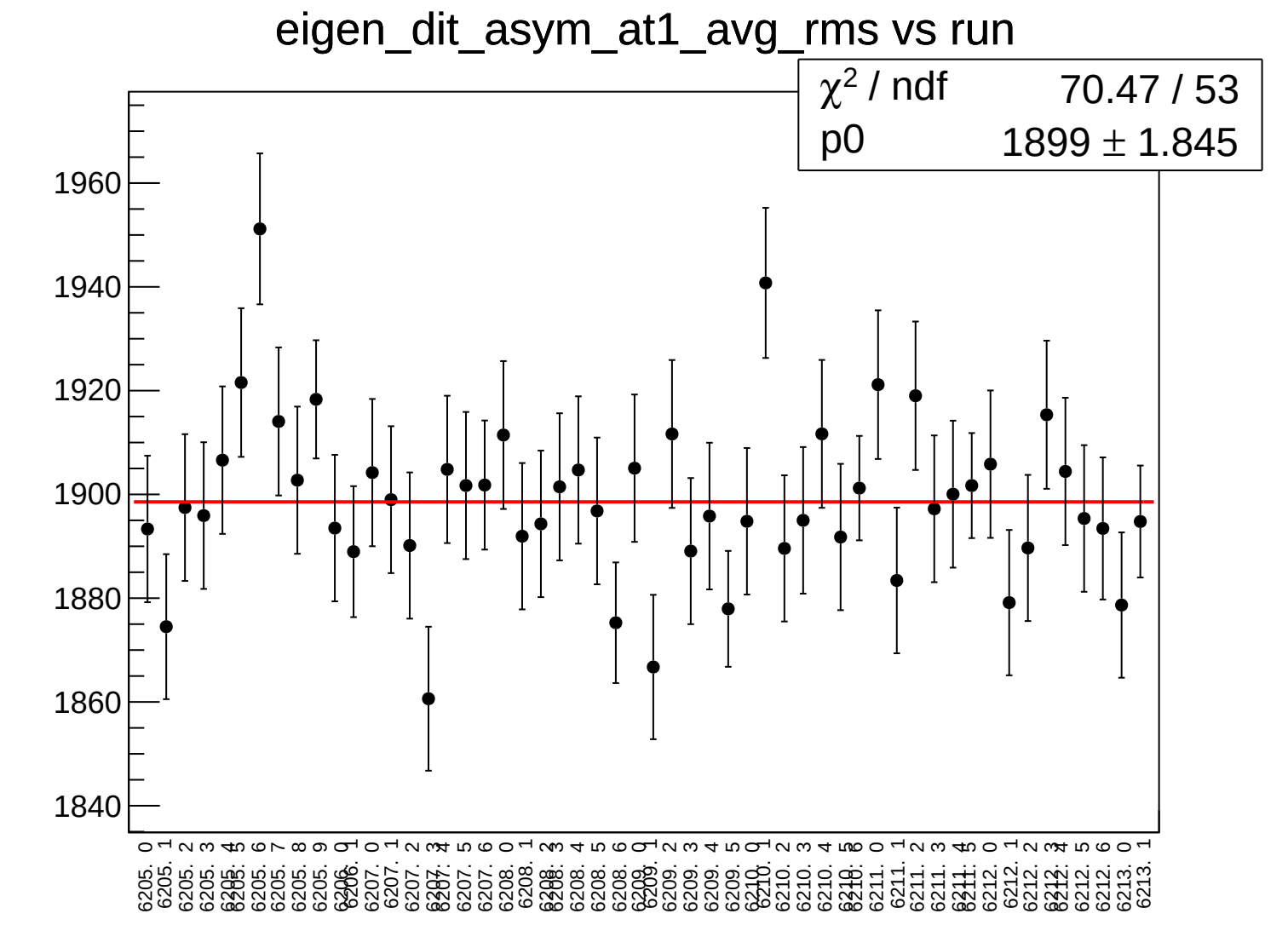

asym_at1_avg_dit_correction_mean vs run
χ² / ndf 44.19 / 53
p0 330.9 ± 779.6
pull
Entries 54
Mean −156.2
Std Dev 0

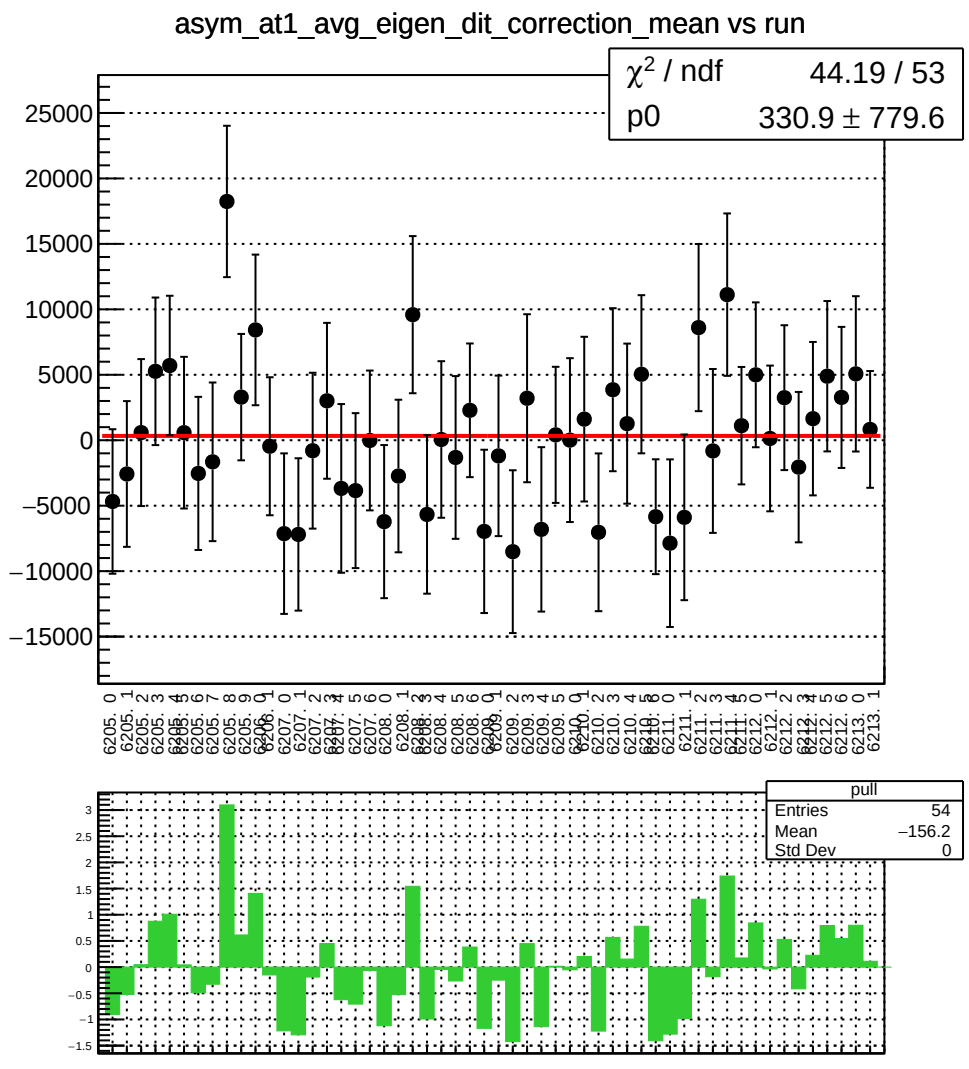

pull1D
Entries 54
Mean −0.005563
Std Dev 0.9046

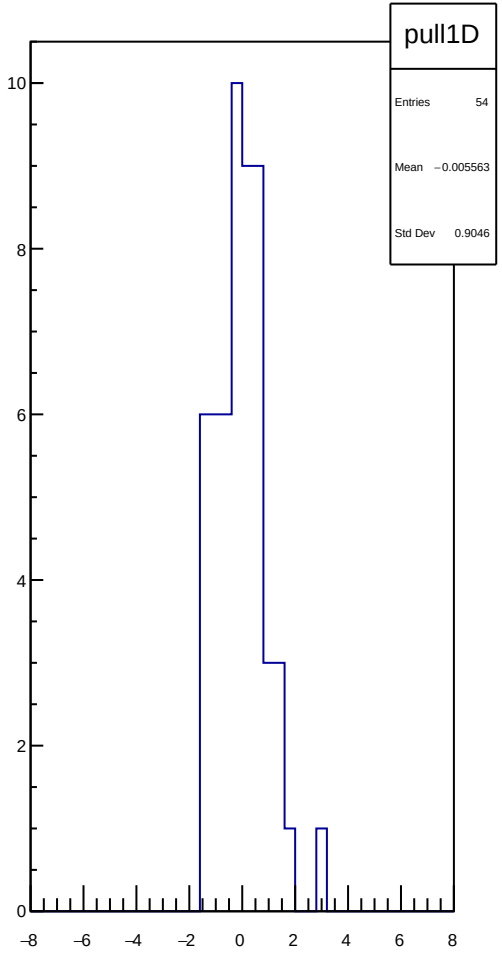

asym_at1_avg_dit_correction_rms vs run
χ² / ndf 2341 / 53
p0 566.8 ± 0.5512
620
600
580
560
540
520
500
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

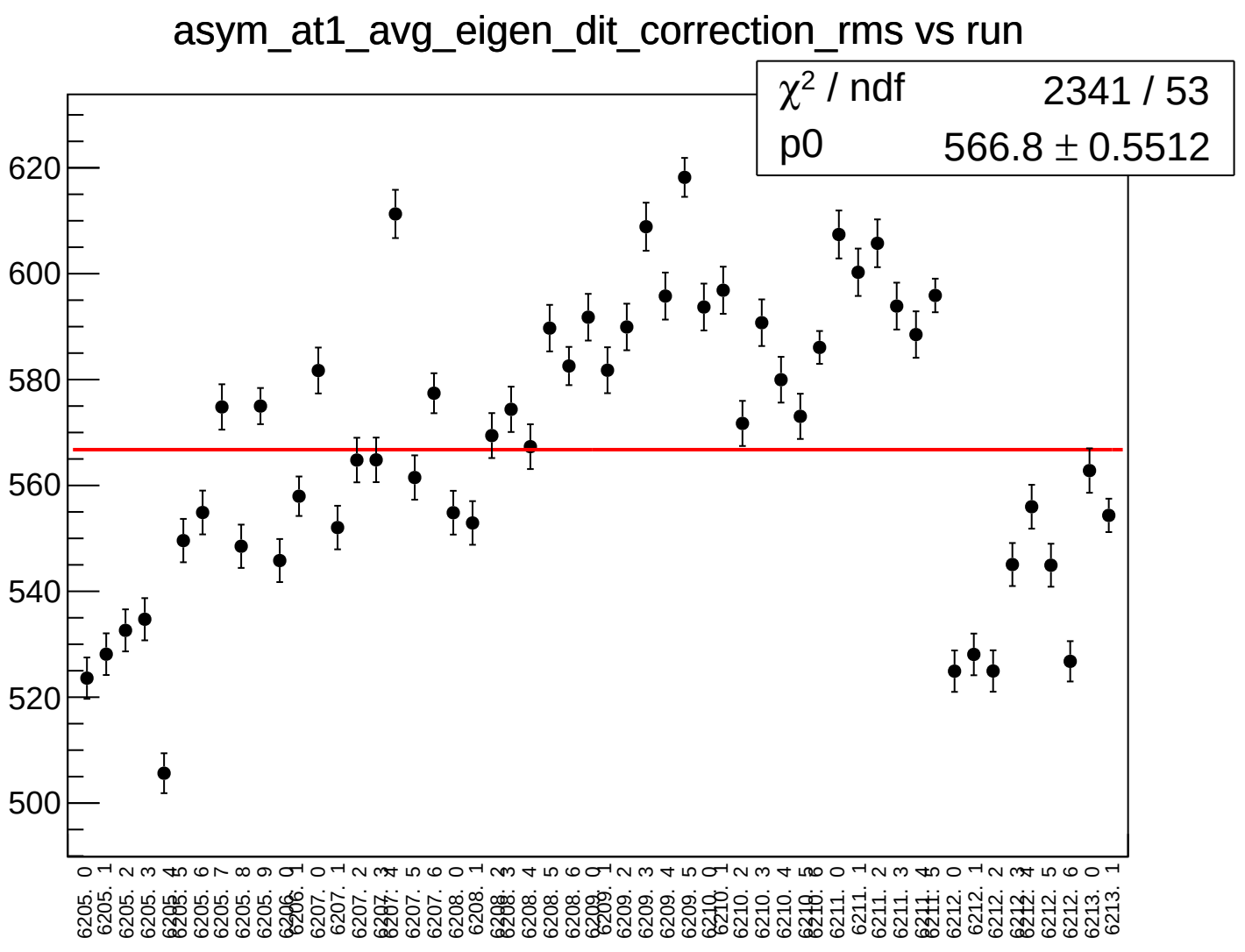

eigen_dit_asym_at1_avg_mean vs run
χ² / ndf 61.15 / 53
p0 4460 ± 2609
pull
Entries 54
Mean 39.94
Std Dev 0

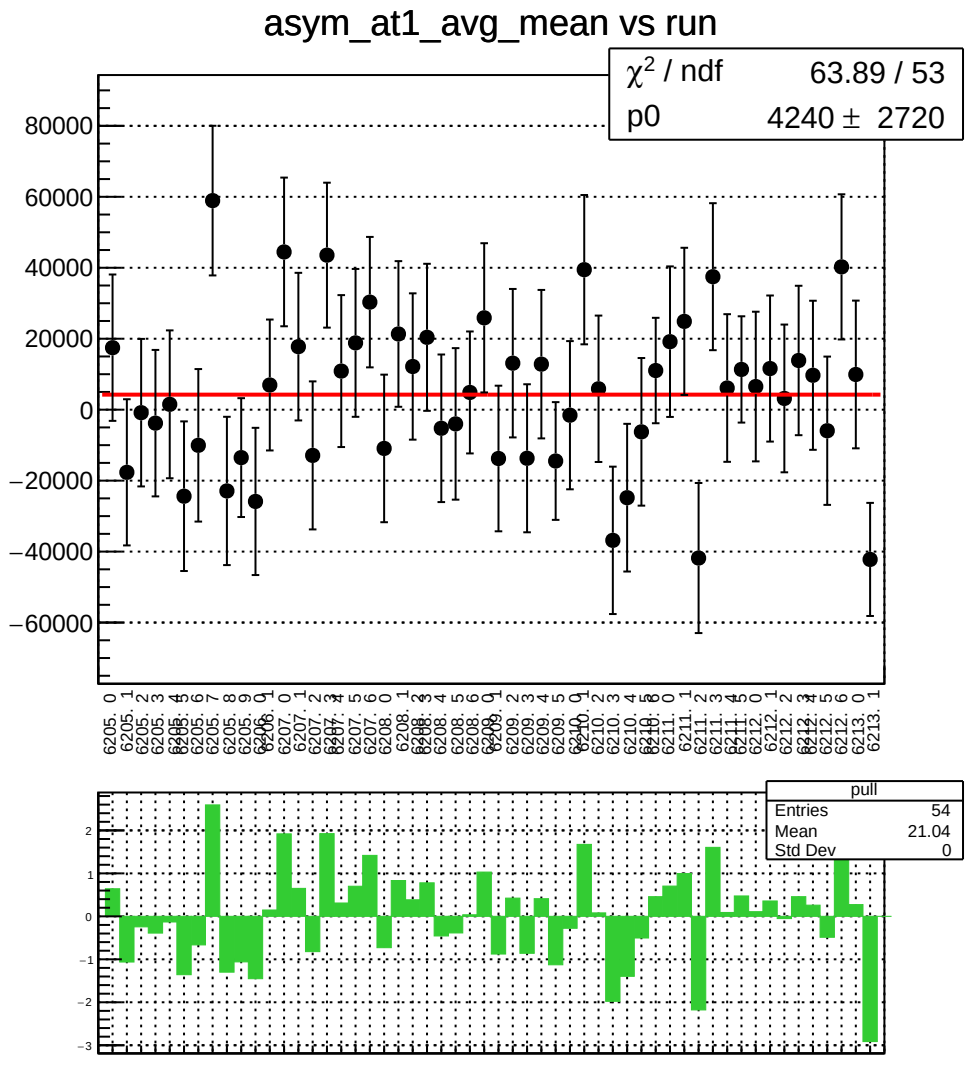

pull1D
Entries 54
Mean 0.01665
Std Dev 1.064

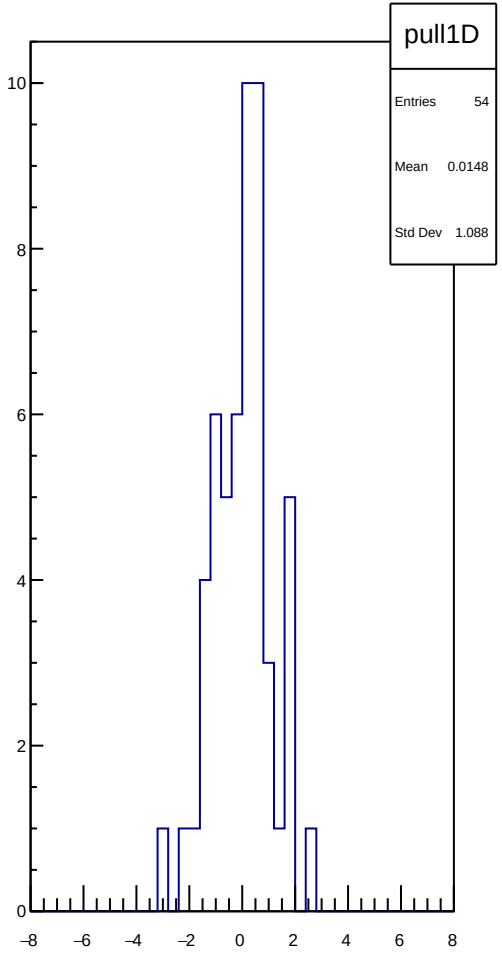

eigen_dit_asym_at1_avg_rms vs run
χ² / ndf 70.47 / 53
p0 1899 ± 1.845
1960
1940
1920
1900
1880
1860
1840
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

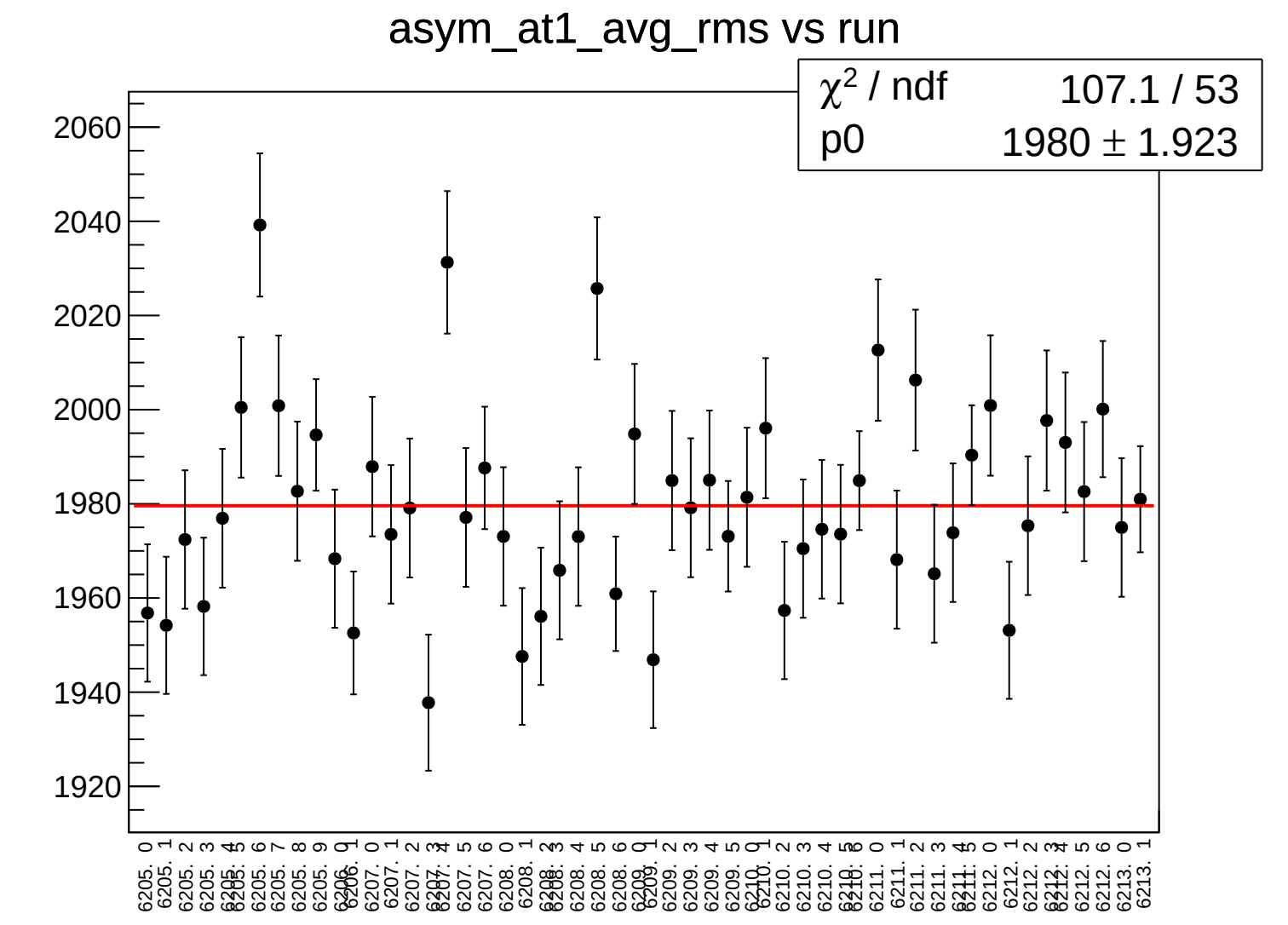

asym_at1_avg_eigen_dit_correction_mean vs run
χ² / ndf 44.19 / 53
p0 330.9 ± 779.6
pull
Entries 54
Mean −156.2
Std Dev 0

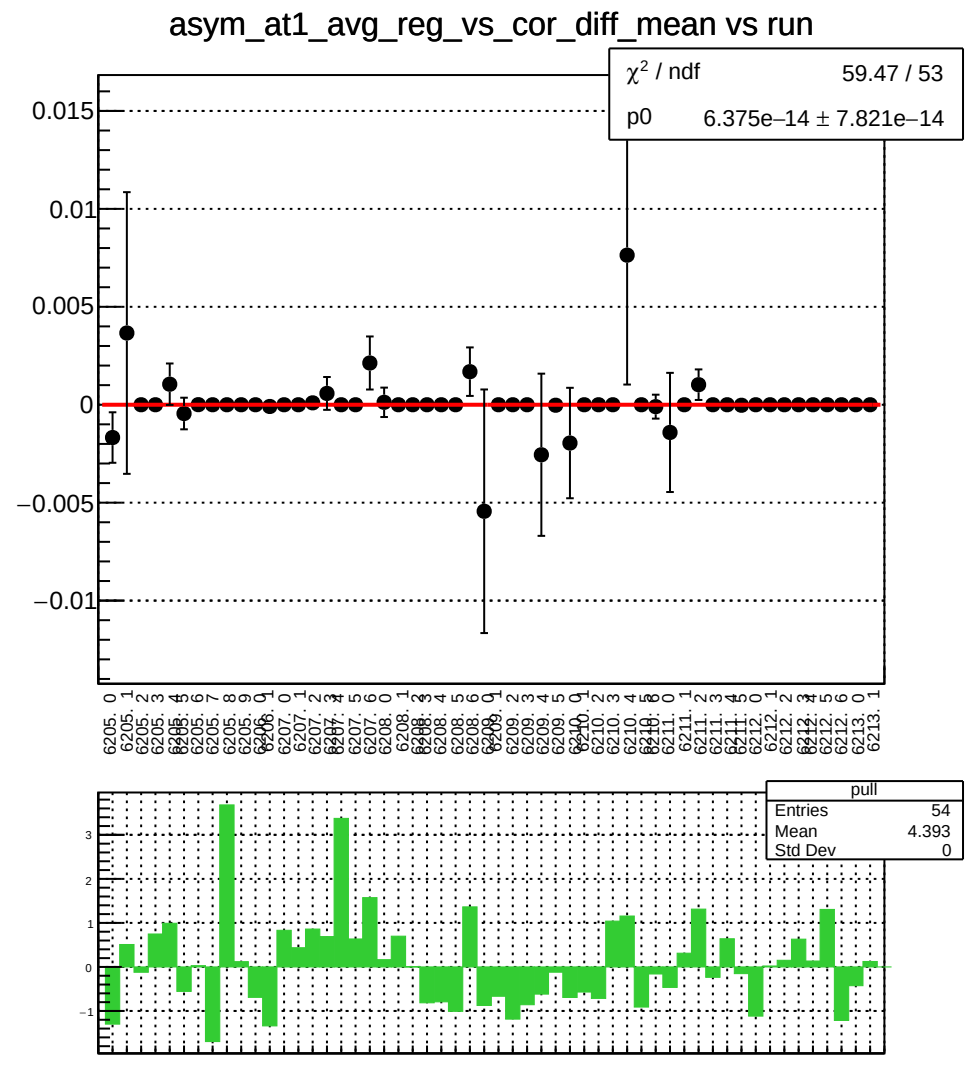

pull1D
Entries 54
Mean −0.005563
Std Dev 0.9046

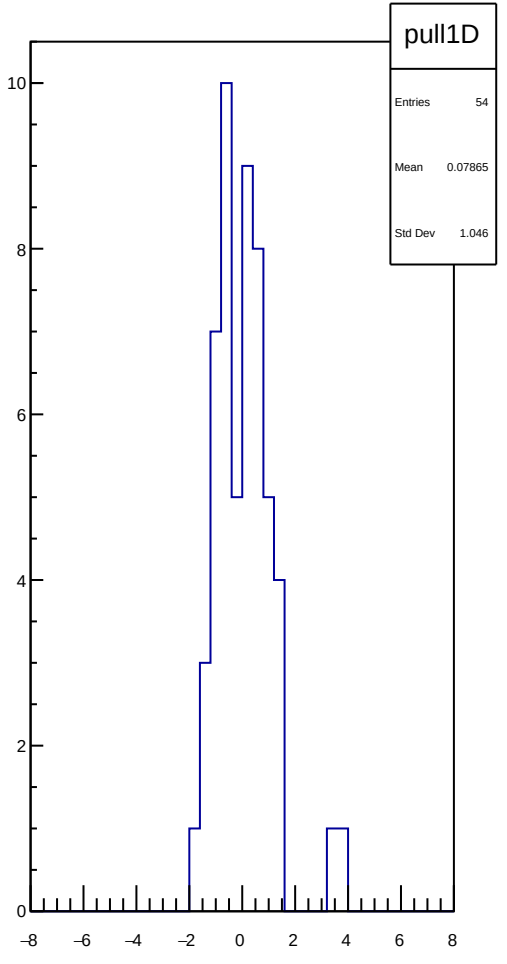

asym_at1_avg_eigen_dit_correction_rms vs run
χ² / ndf 2341 / 53
p0 566.8 ± 0.5512
620
600
580
560
540
520
500

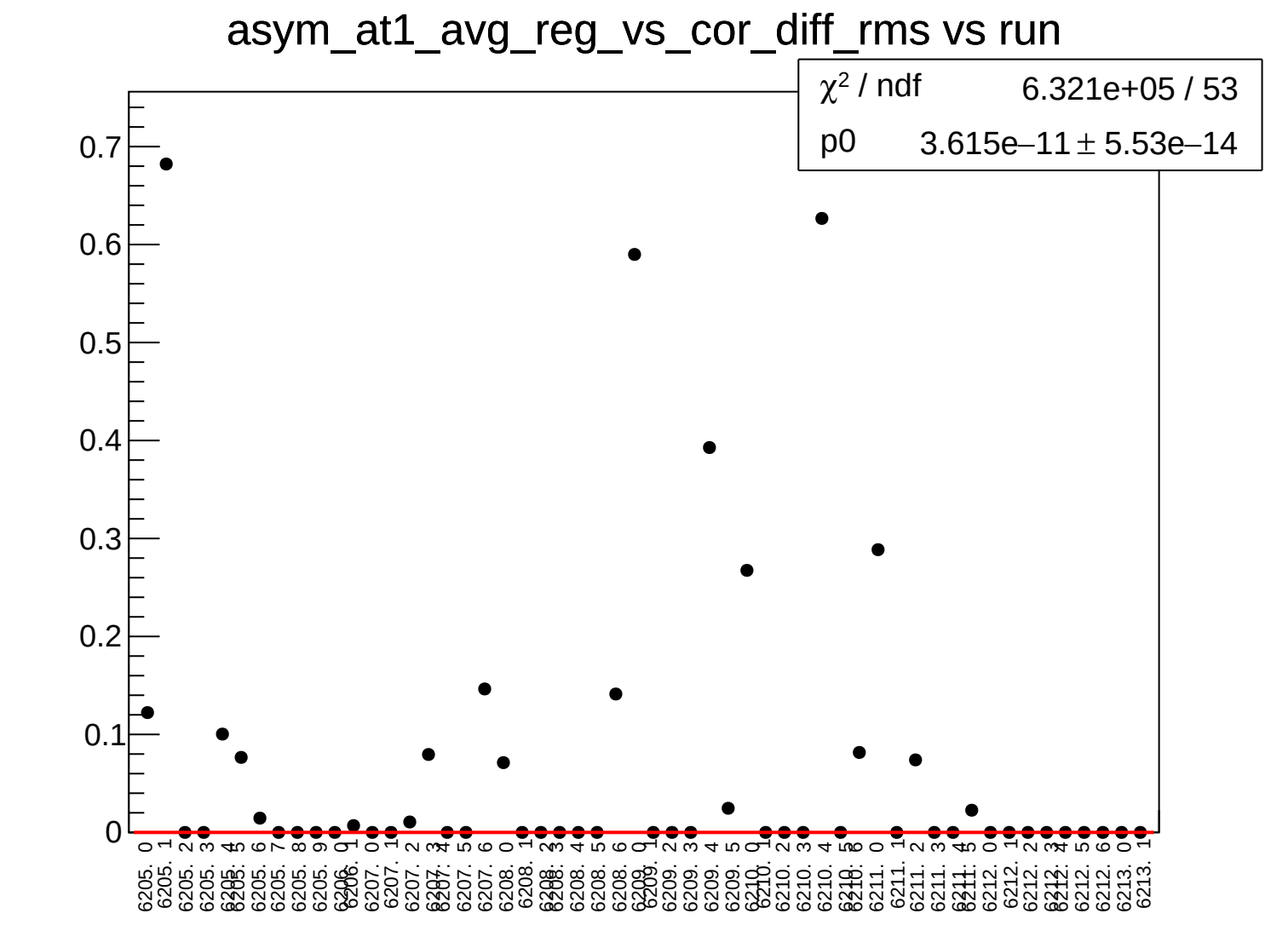

asym_at1_avg_mean vs run
χ² / ndf 63.89 / 53
p0 4240 ± 2720
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 21.04
Std Dev 0
2
1
0
−1
−2
−3

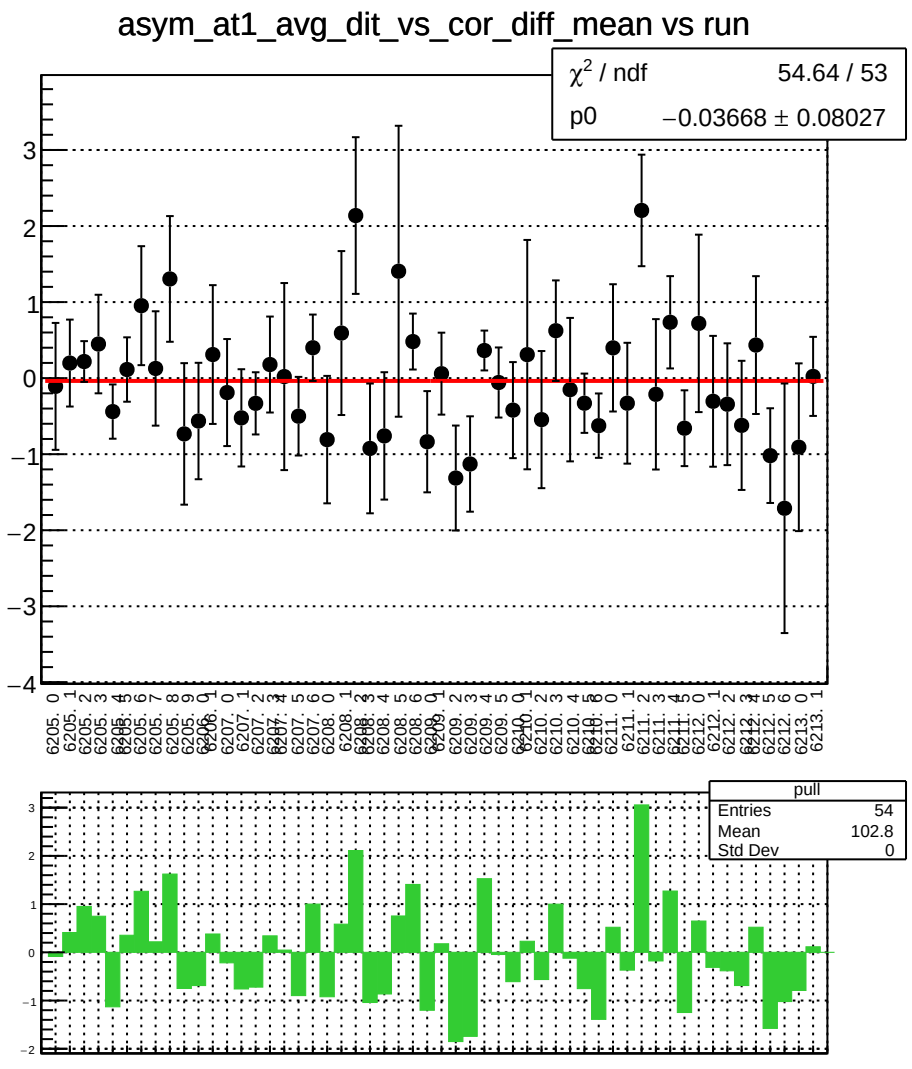

pull1D
Entries 54
Mean 0.0148
Std Dev 1.088
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

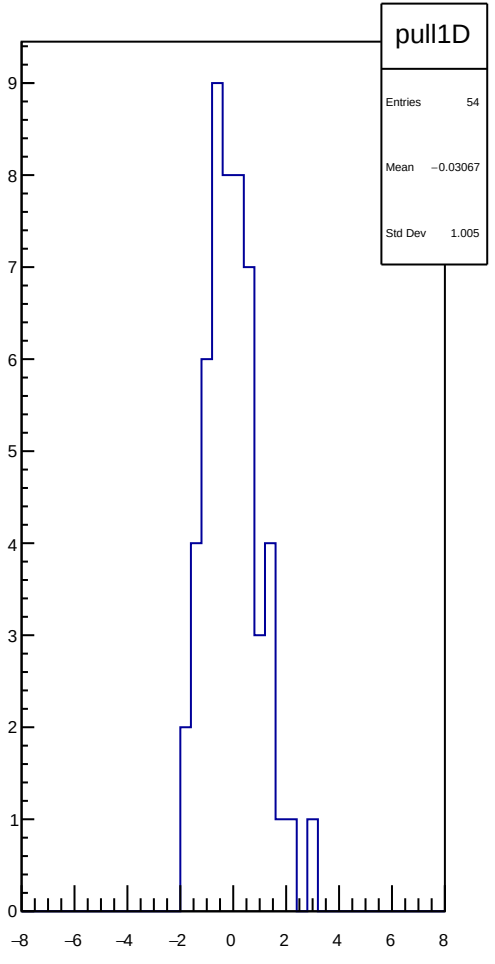

asym_at1_avg_rms vs run
χ² / ndf 107.1 / 53
p0 1980 ± 1.923
2060
2040
2020
2000
1980
1960
1940
1920
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

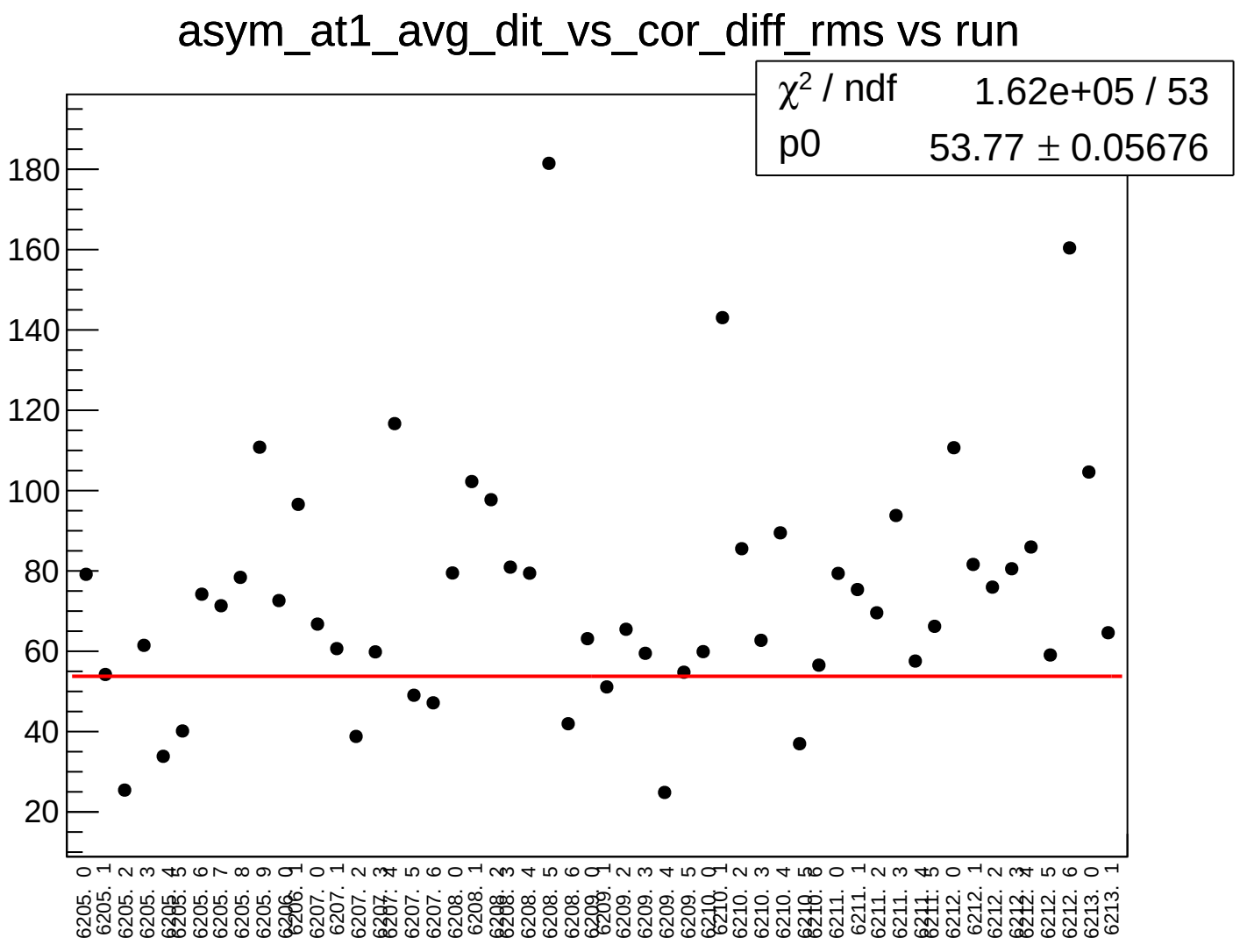

asym_at1_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 59.47 / 53
p0 6.375e−14 ± 7.821e−14
0.015
0.01
0.005
0
−0.005
−0.01
pull
Entries 54
Mean 4.393
Std Dev 0

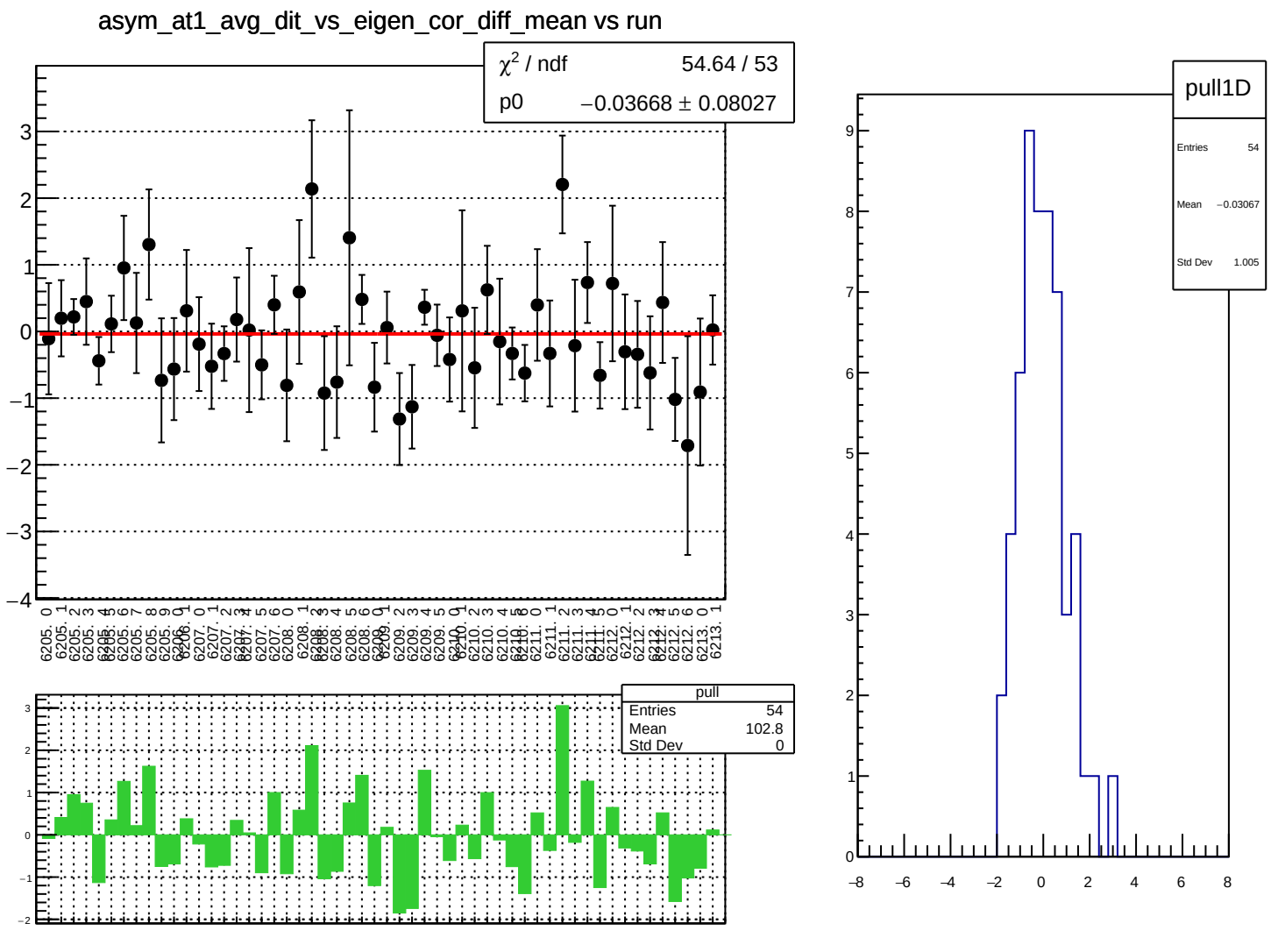

pull1D
Entries 54
Mean 0.07865
Std Dev 1.046
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

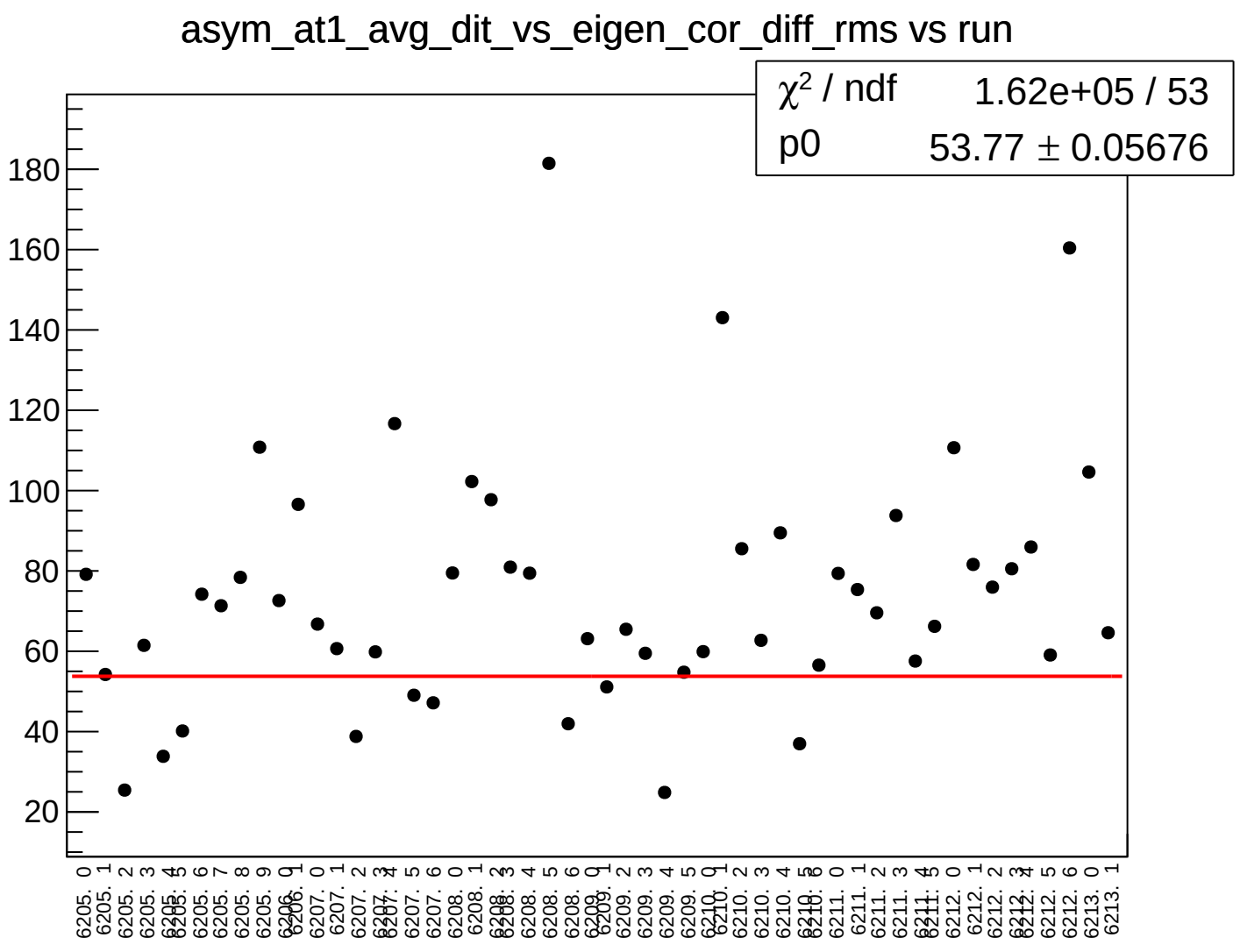

asym_at1_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.321e+05 / 53
p0 3.615e−11 ± 5.53e−14
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 0
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 5
6212. 6
6213. 0
6213. 1

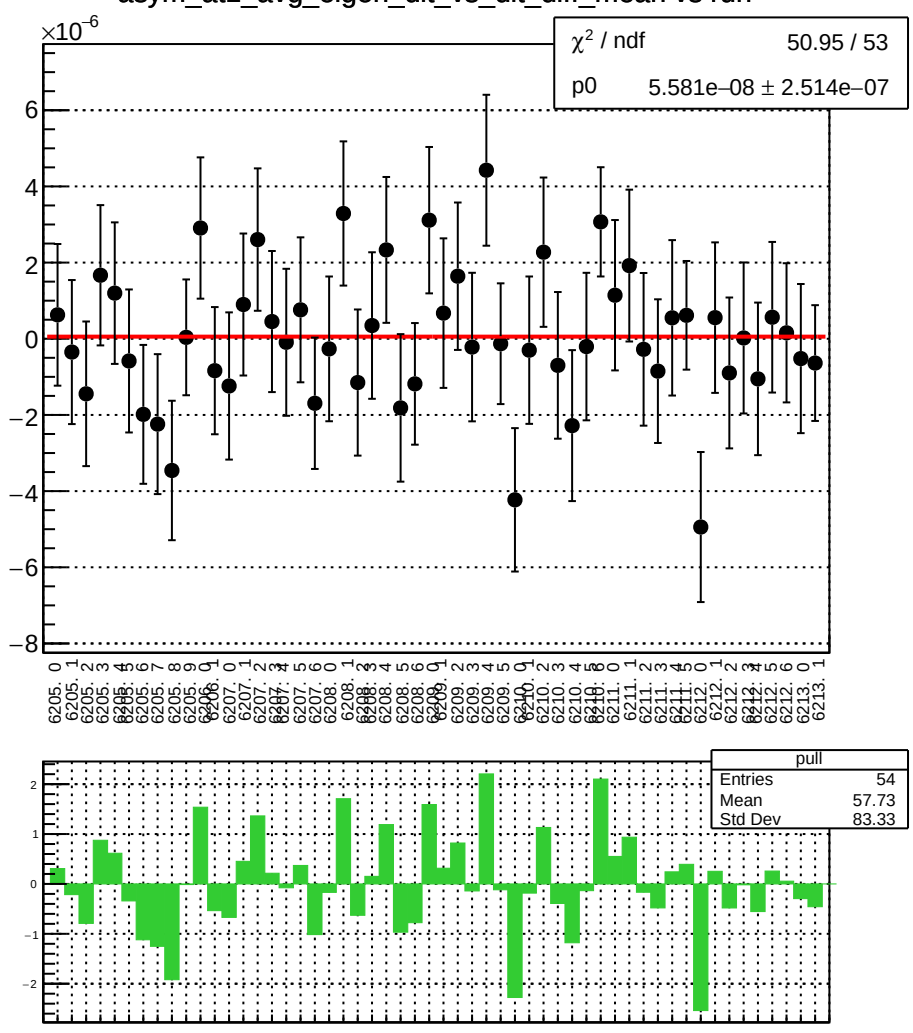

asym_at1_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 54.64 / 53
p0 −0.03668 ± 0.08027
pull
Entries 54
Mean 102.8
Std Dev 0

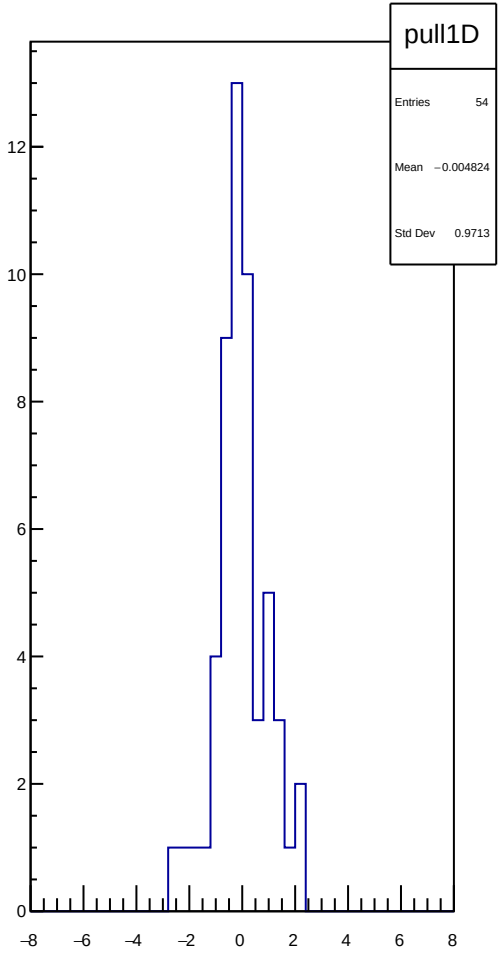

pull1D
Entries 54
Mean −0.03067
Std Dev 1.005

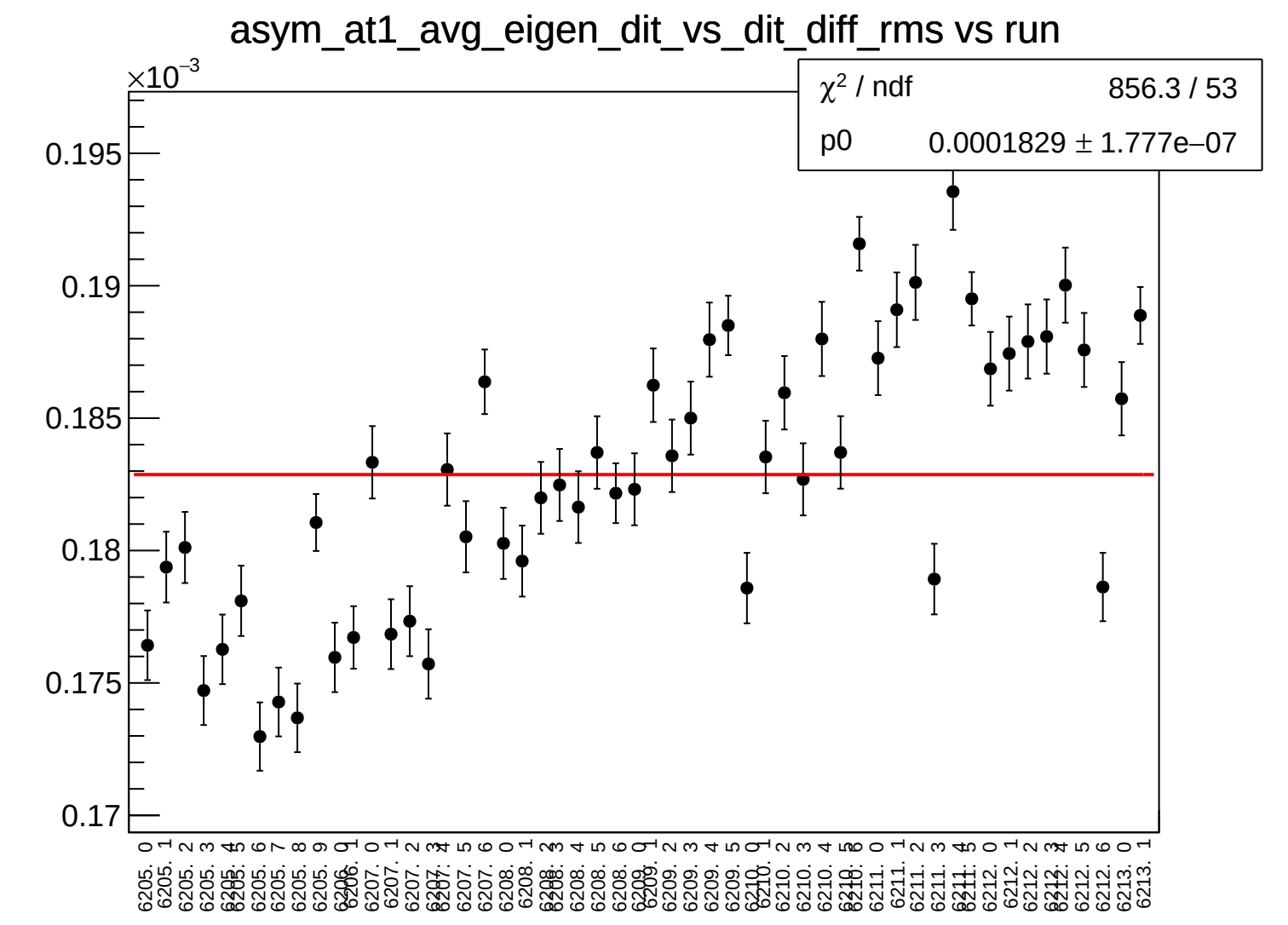

asym_at1_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.62e+05 / 53
p0 53.77 ± 0.05676
180
160
140
120
100
80
60
40
20
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

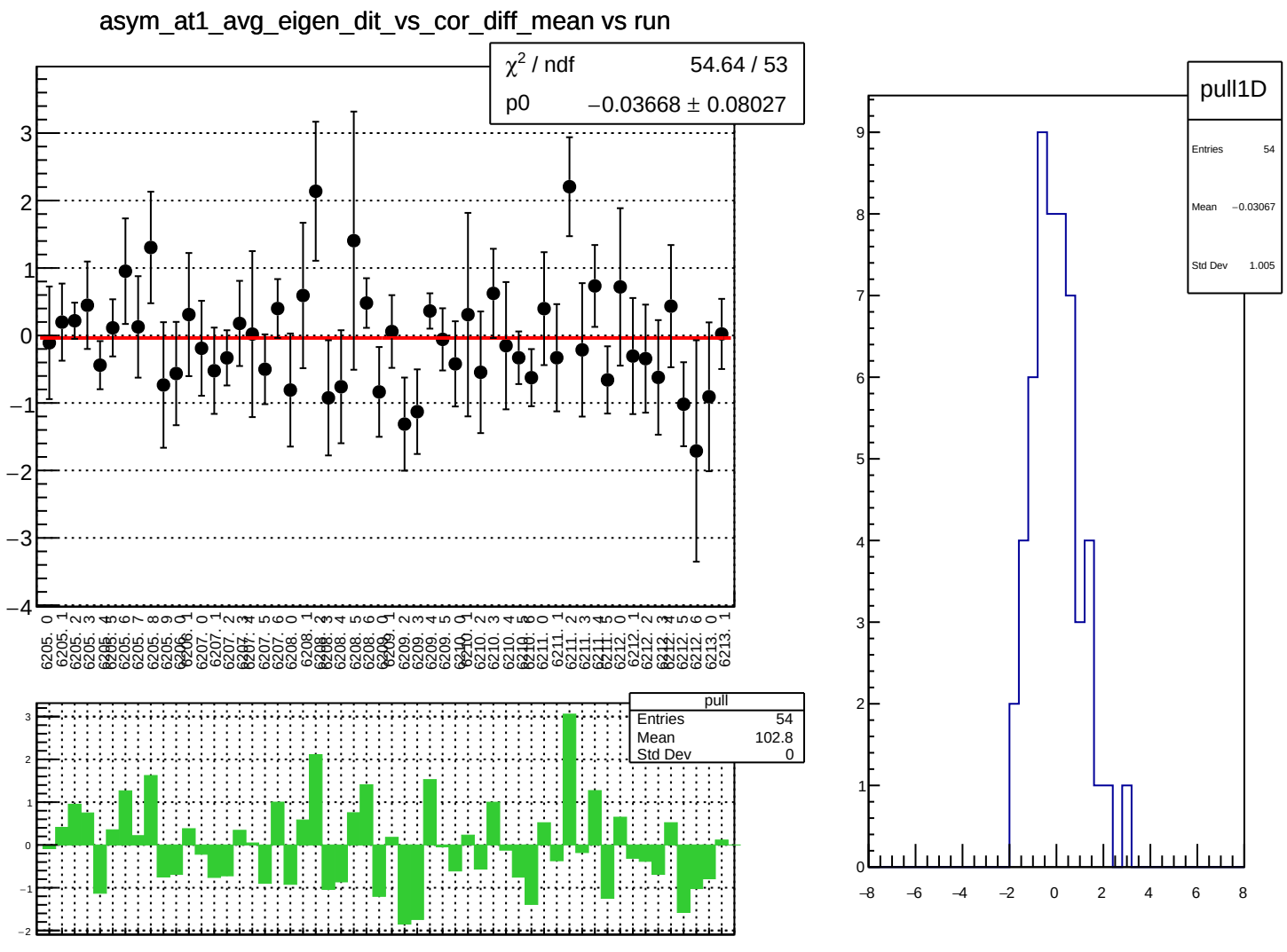

asym_at1_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 54.64 / 53
p0 −0.03668 ± 0.08027
pull
Entries 54
Mean 102.8
Std Dev 0
pull1D
Entries 54
Mean −0.03067
Std Dev 1.005

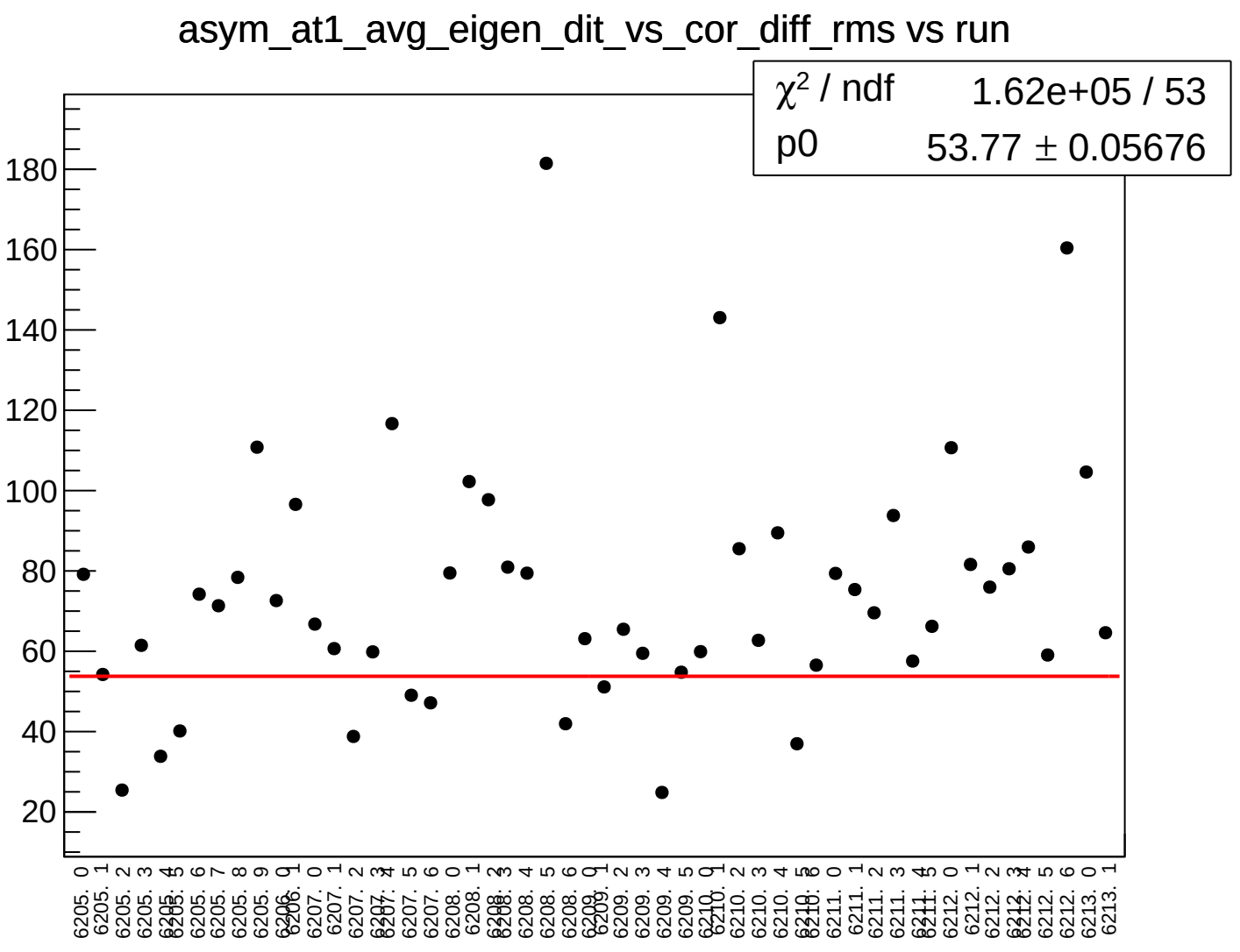

asym_at1_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.62e+05 / 53
p0 53.77 ± 0.05676
180
160
140
120
100
80
60
40
20
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

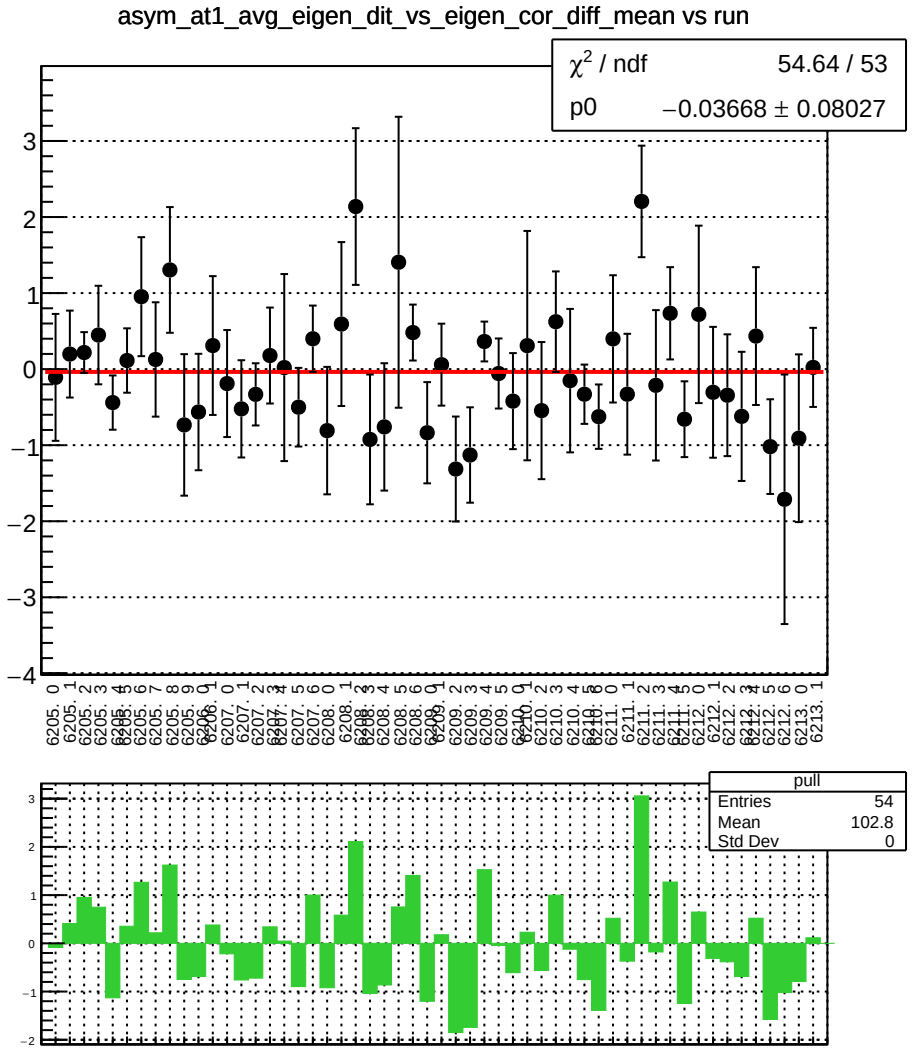

asym_at1_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻⁶
χ² / ndf 50.95 / 53
p0 5.581e−08 ± 2.514e−07
pull
Entries 54
Mean 57.73
Std Dev 83.33

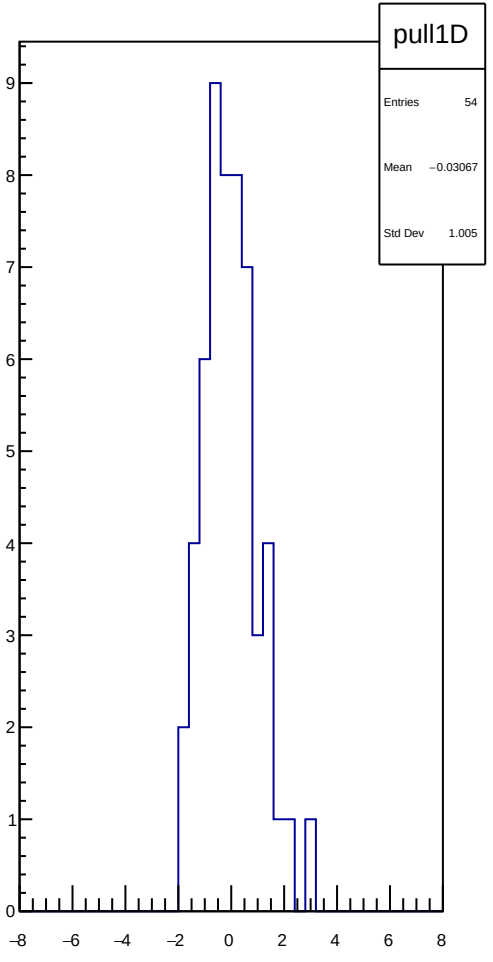

pull1D
Entries 54
Mean −0.004824
Std Dev 0.9713

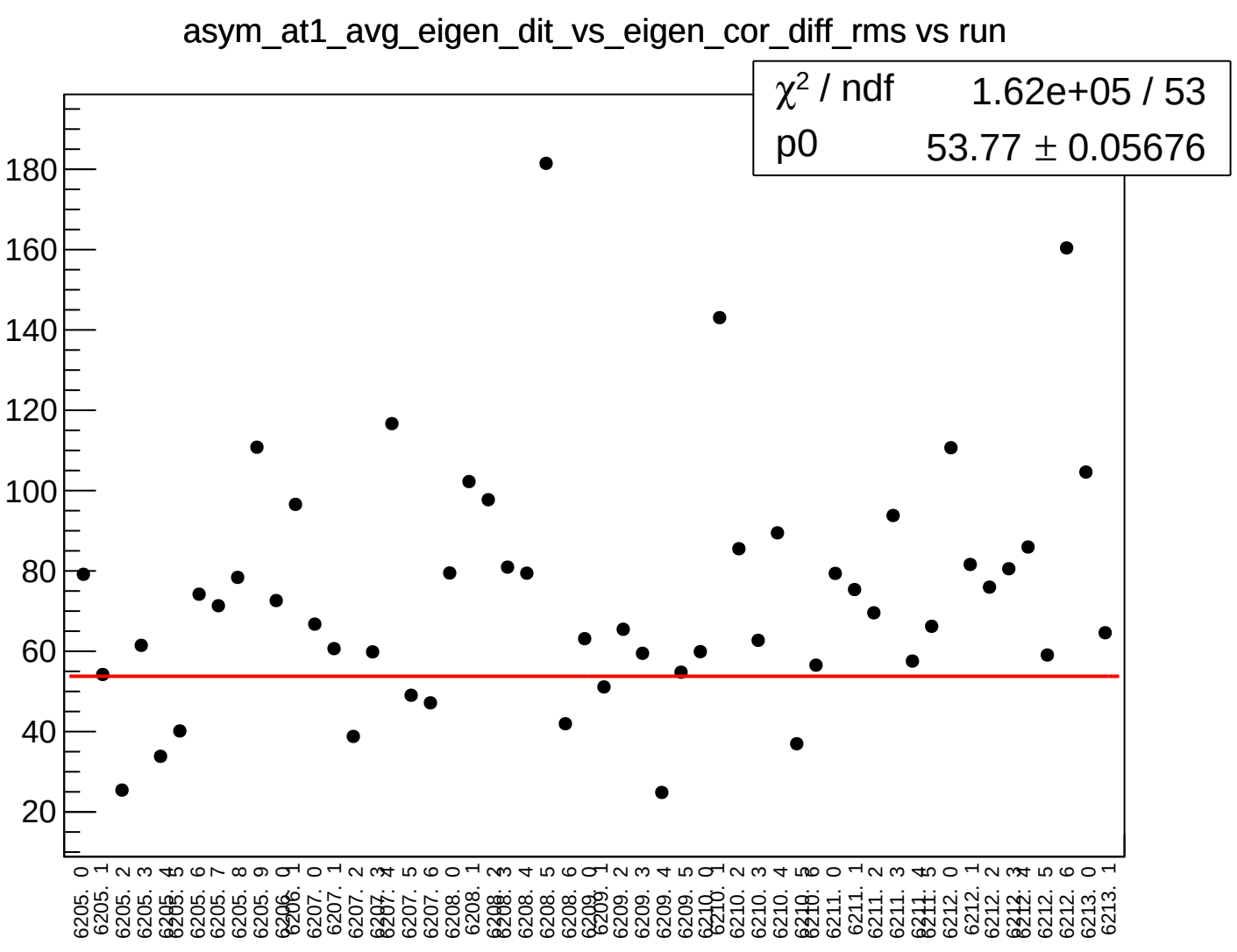

asym_at1_avg_eigen_dit_vs_dit_diff_rms vs run
×10⁻³
χ² / ndf 856.3 / 53
p0 0.0001829 ± 1.777e−07
0.195
0.19
0.185
0.18
0.175
0.17
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

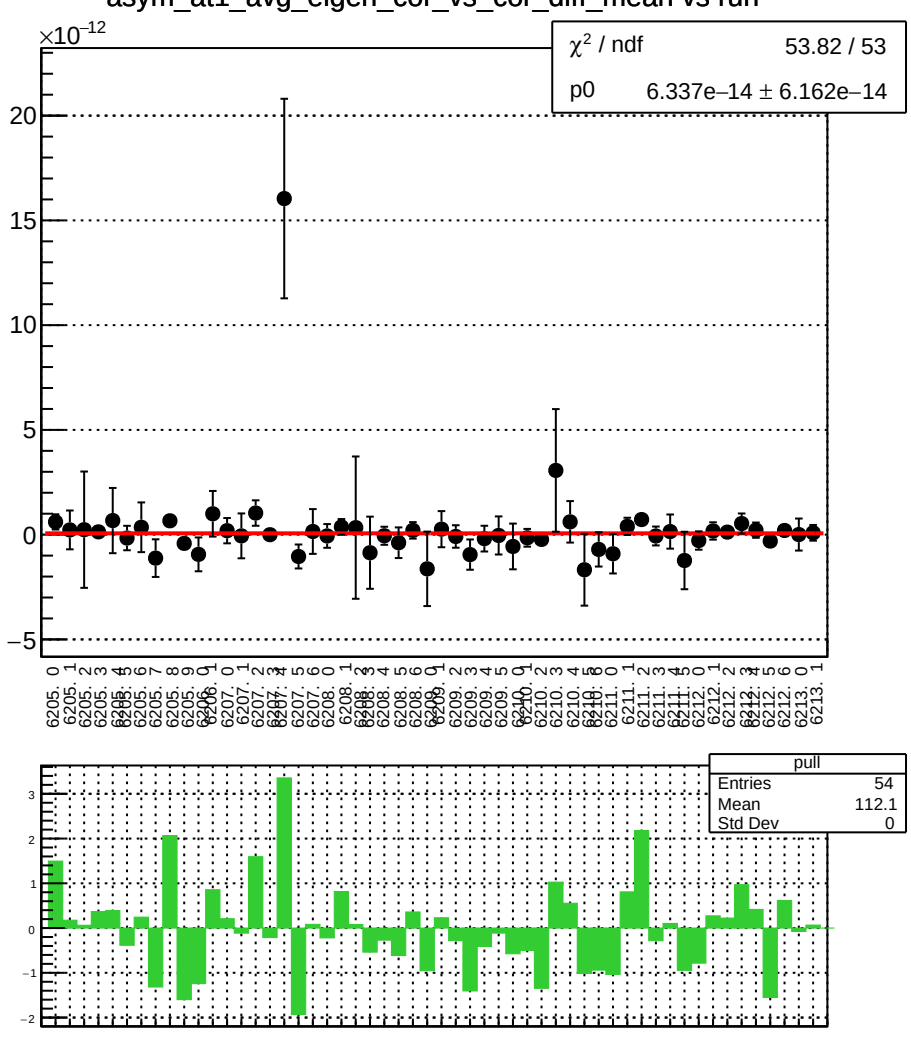

asym_at1_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 54.64 / 53
p0 −0.03668 ± 0.08027
pull
Entries 54
Mean 102.8
Std Dev 0
pull1D
Entries 54
Mean −0.03067
Std Dev 1.005

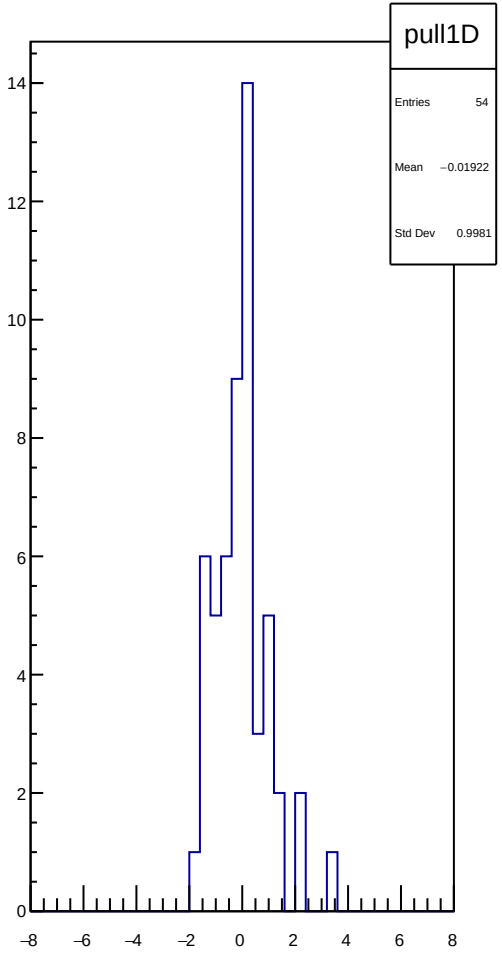

asym_at1_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.62e+05 / 53
p0 53.77 ± 0.05676
180
160
140
120
100
80
60
40
20
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 1
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

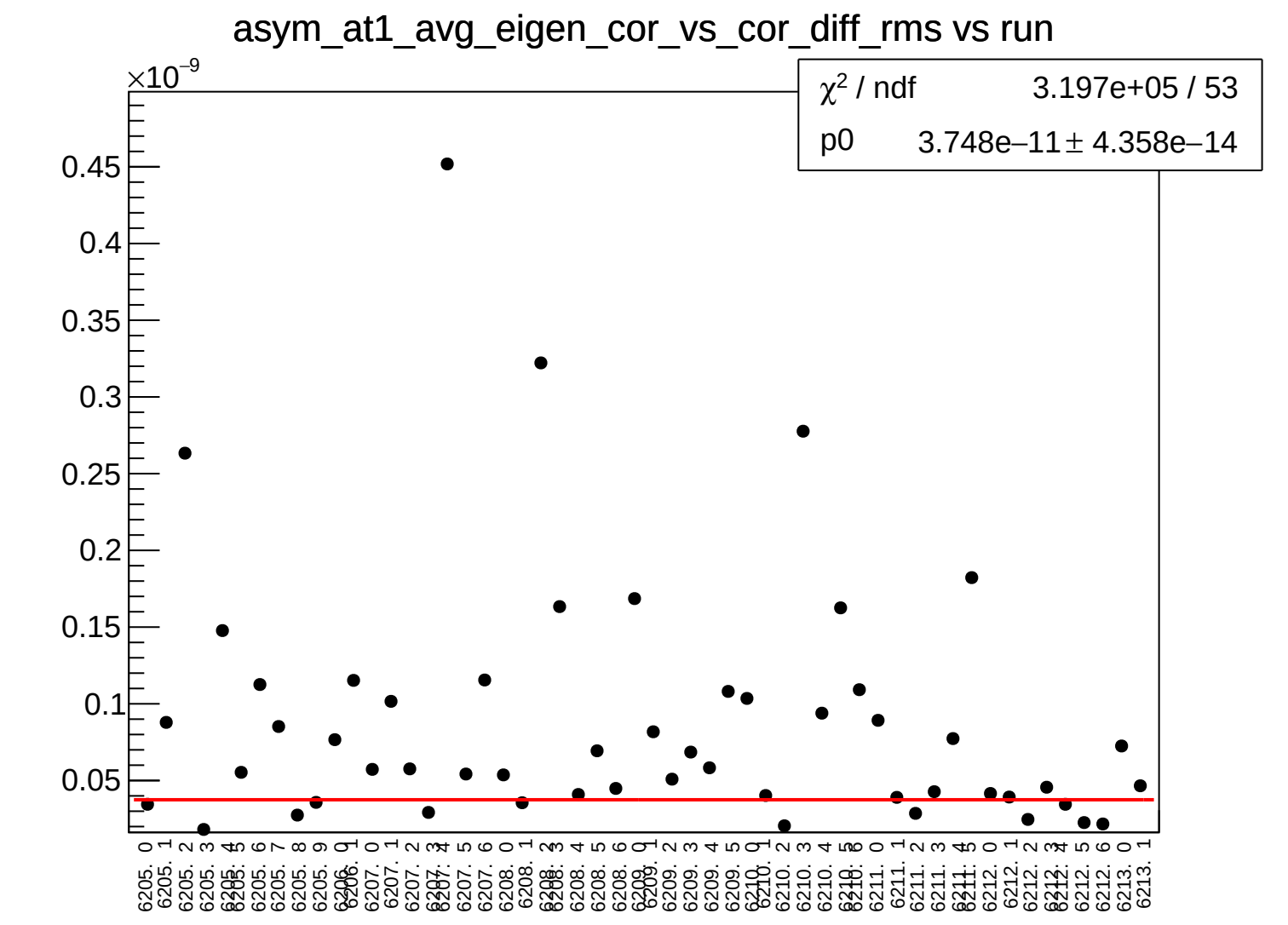

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 54.64 / 53
p0 −0.03668 ± 0.08027
pull
Entries 54
Mean 102.8
Std Dev 0

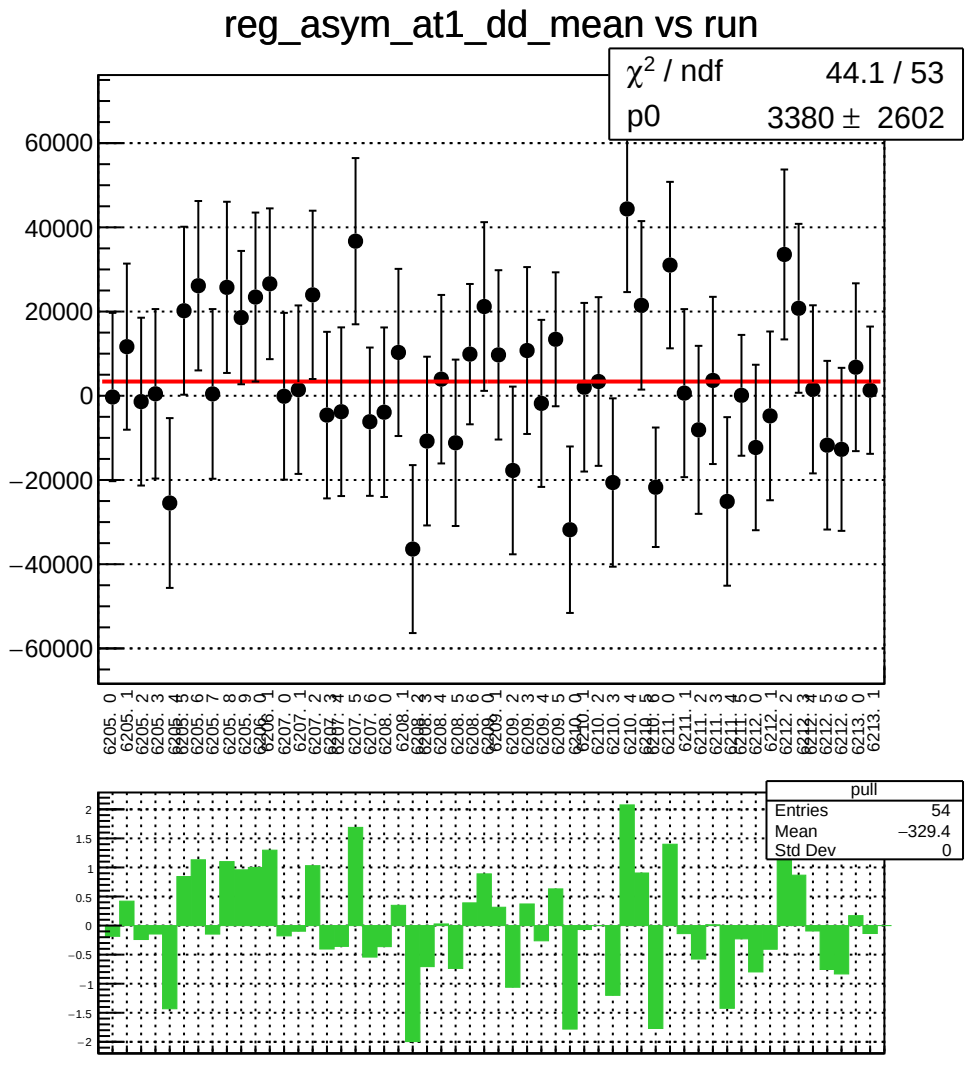

pull1D
Entries 54
Mean −0.03067
Std Dev 1.005

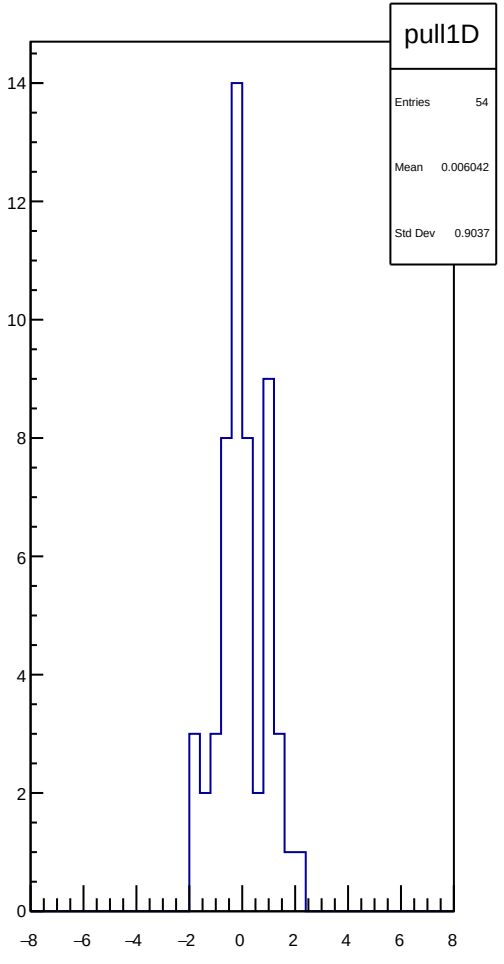

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.62e+05 / 53
p0 53.77 ± 0.05676
180
160
140
120
100
80
60
40
20
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

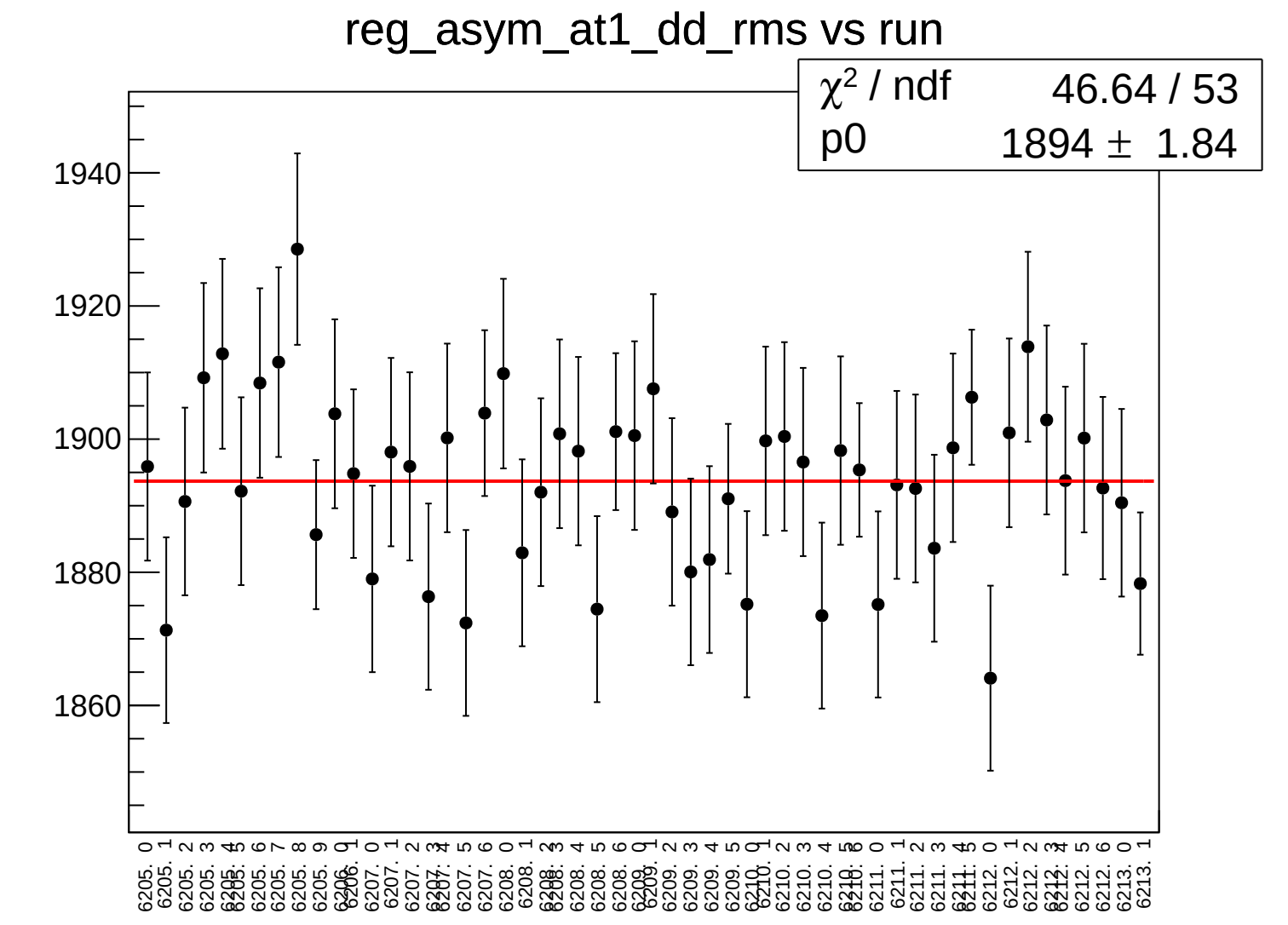

asym_at1_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 53.82 / 53
p0 6.337e−14 ± 6.162e−14
pull
Entries 54
Mean 112.1
Std Dev 0

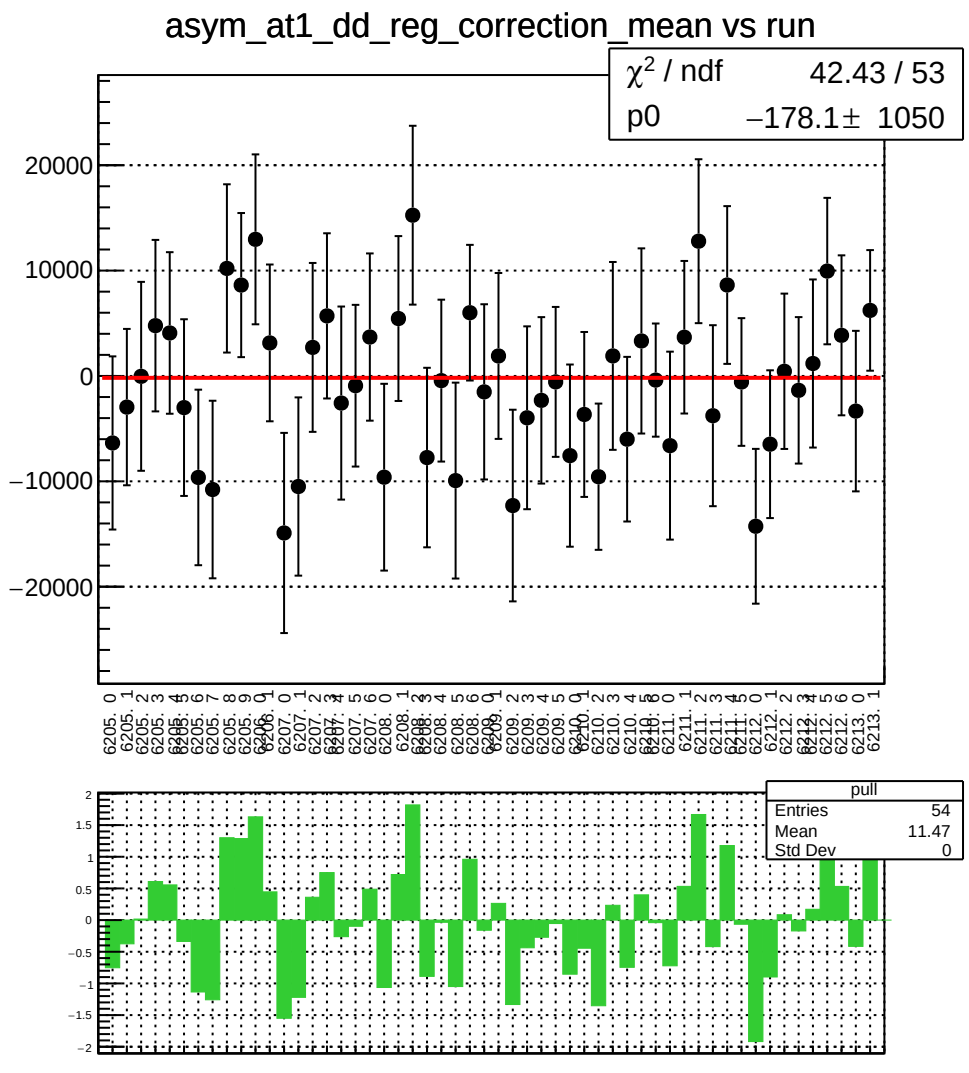

pull1D
Entries 54
Mean −0.01922
Std Dev 0.9981

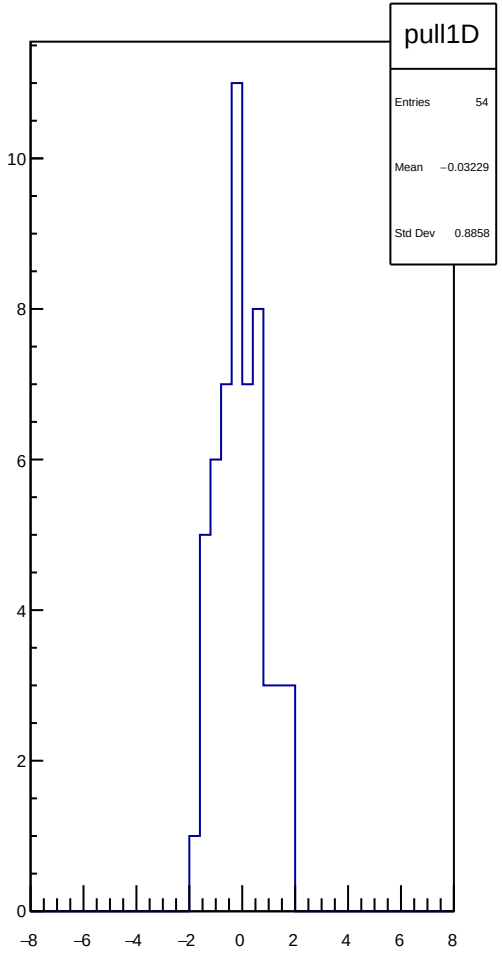

asym_at1_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.197e+05 / 53
p0 3.748e−11 ± 4.358e−14
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6207. 0
6207. 1
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 6
6213. 0
6213. 1

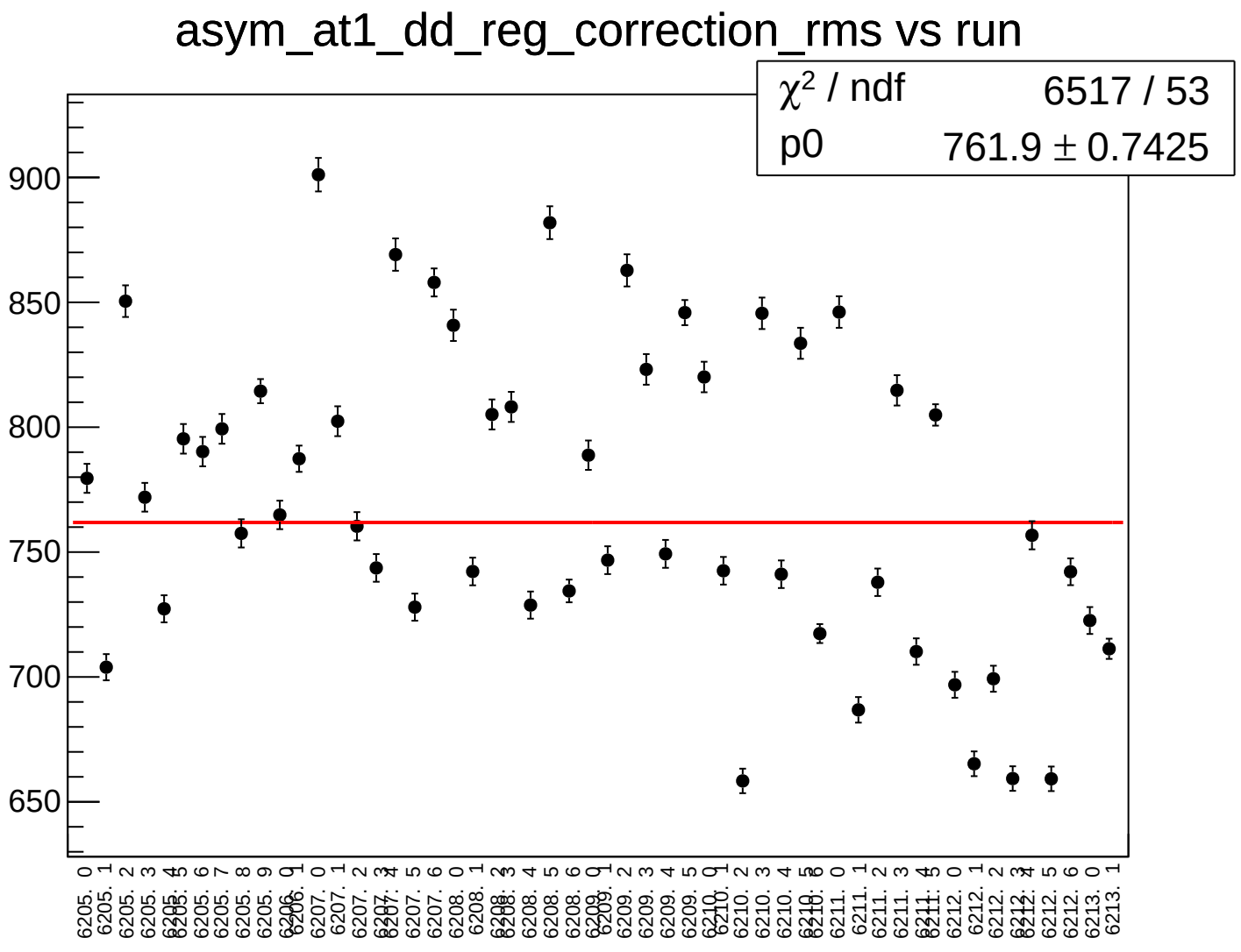

reg_asym_at1_dd_mean vs run
χ² / ndf 44.1 / 53
p0 3380 ± 2602
pull
Entries 54
Mean −329.4
Std Dev 0

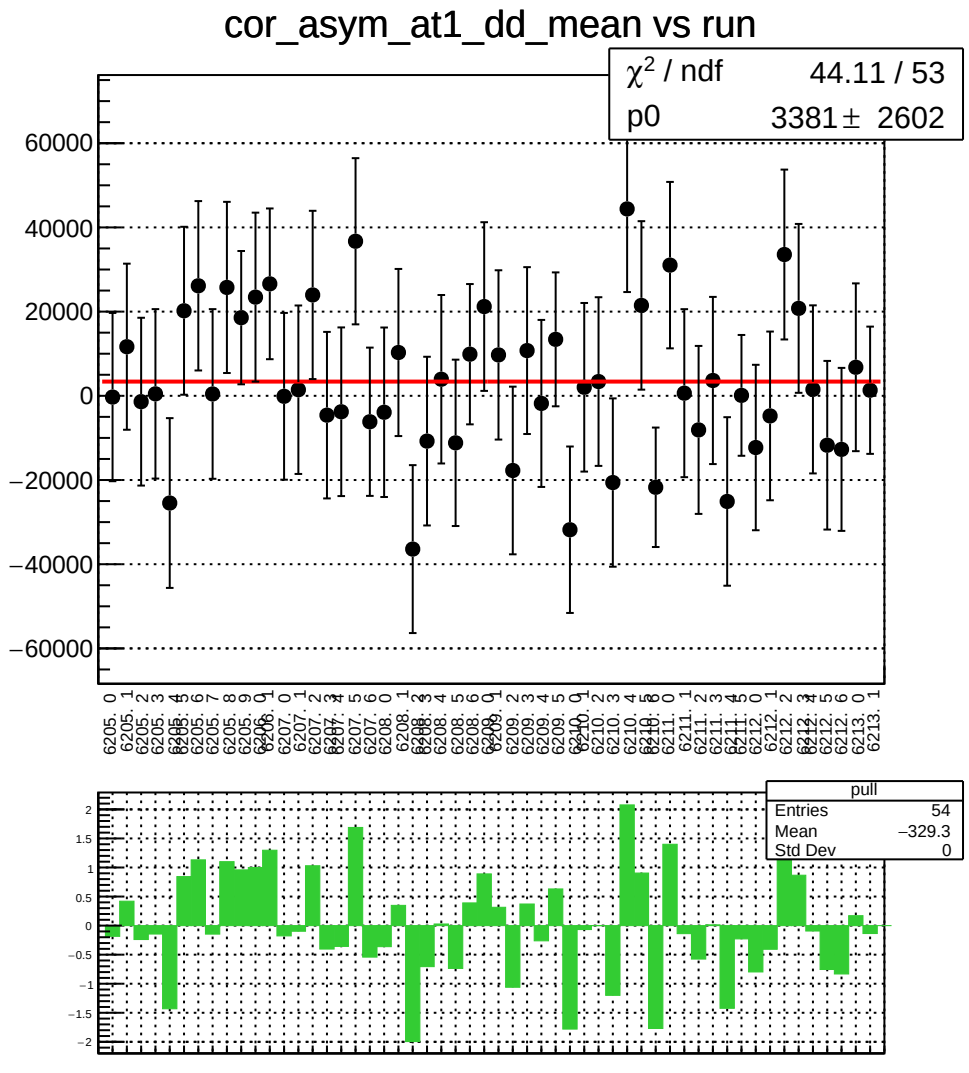

pull1D
Entries 54
Mean 0.006042
Std Dev 0.9037

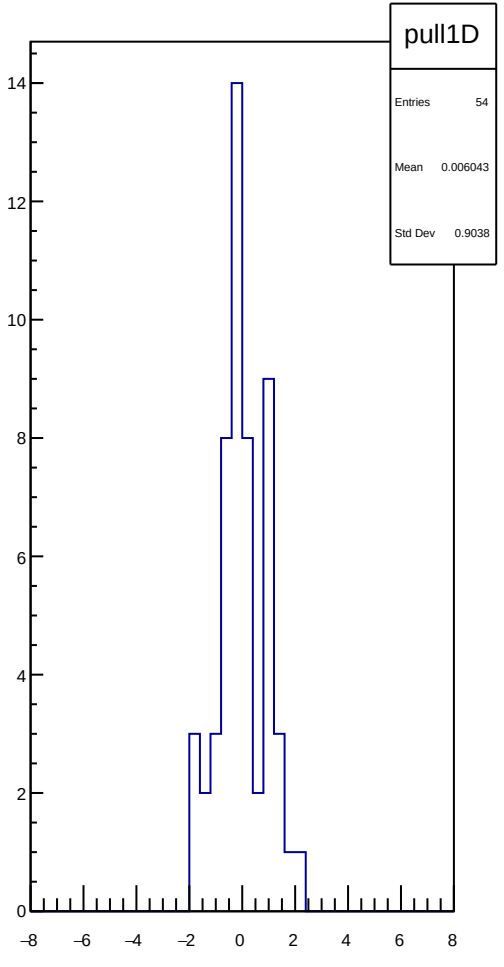

reg_asym_at1_dd_rms vs run
χ² / ndf 46.64 / 53
p0 1894 ± 1.84
1940
1920
1900
1880
1860
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

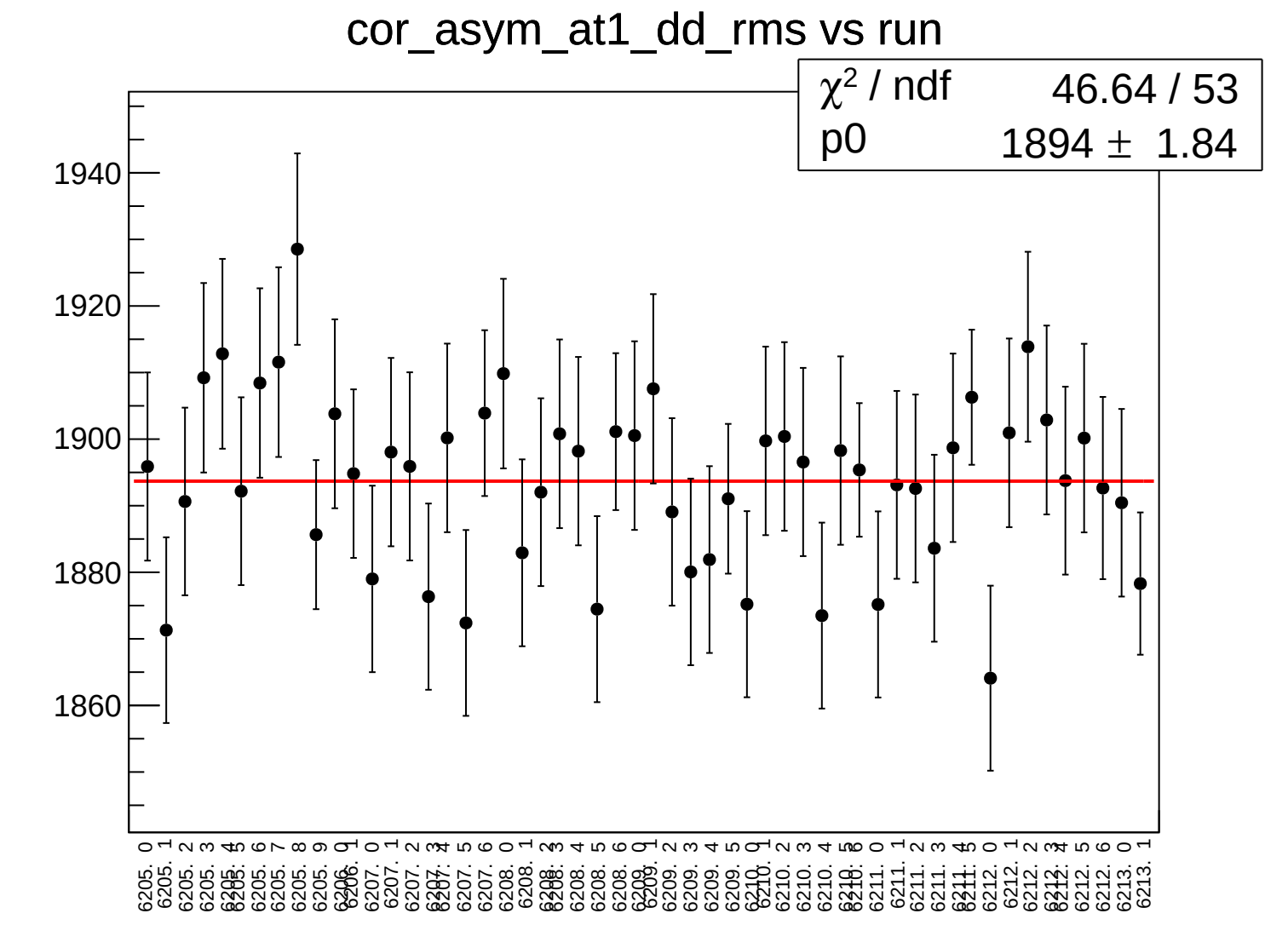

asym_at1_dd_reg_correction_mean vs run
χ² / ndf 42.43 / 53
p0 −178.1± 1050
20000
10000
0
−10000
−20000
pull
Entries 54
Mean 11.47
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

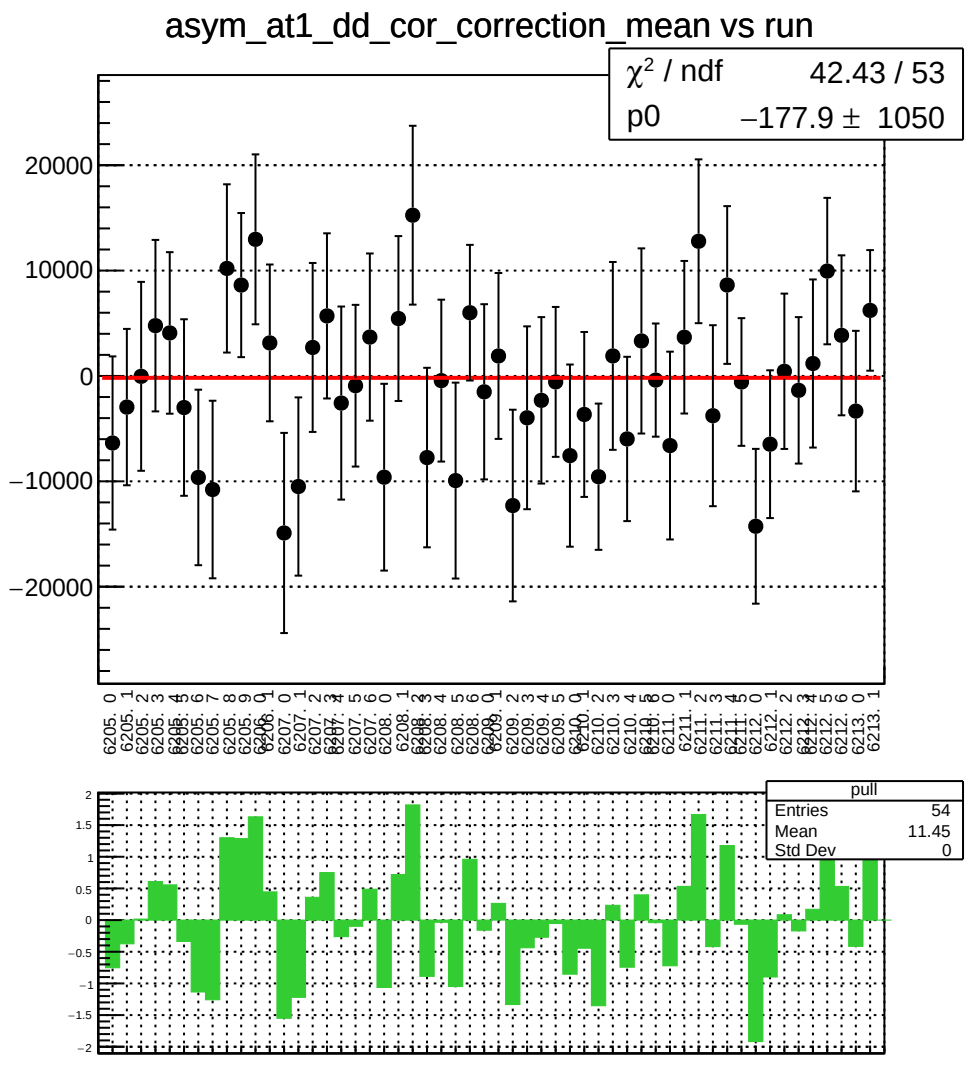

pull1D
Entries 54
Mean −0.03229
Std Dev 0.8858
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

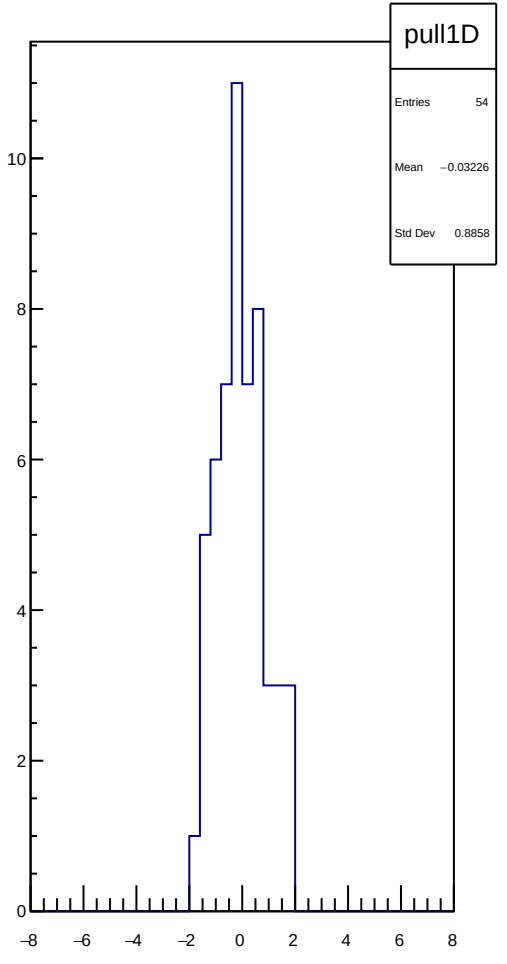

asym_at1_dd_reg_correction_rms vs run
χ² / ndf 6517 / 53
p0 761.9 ± 0.7425
900
850
800
750
700
650
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

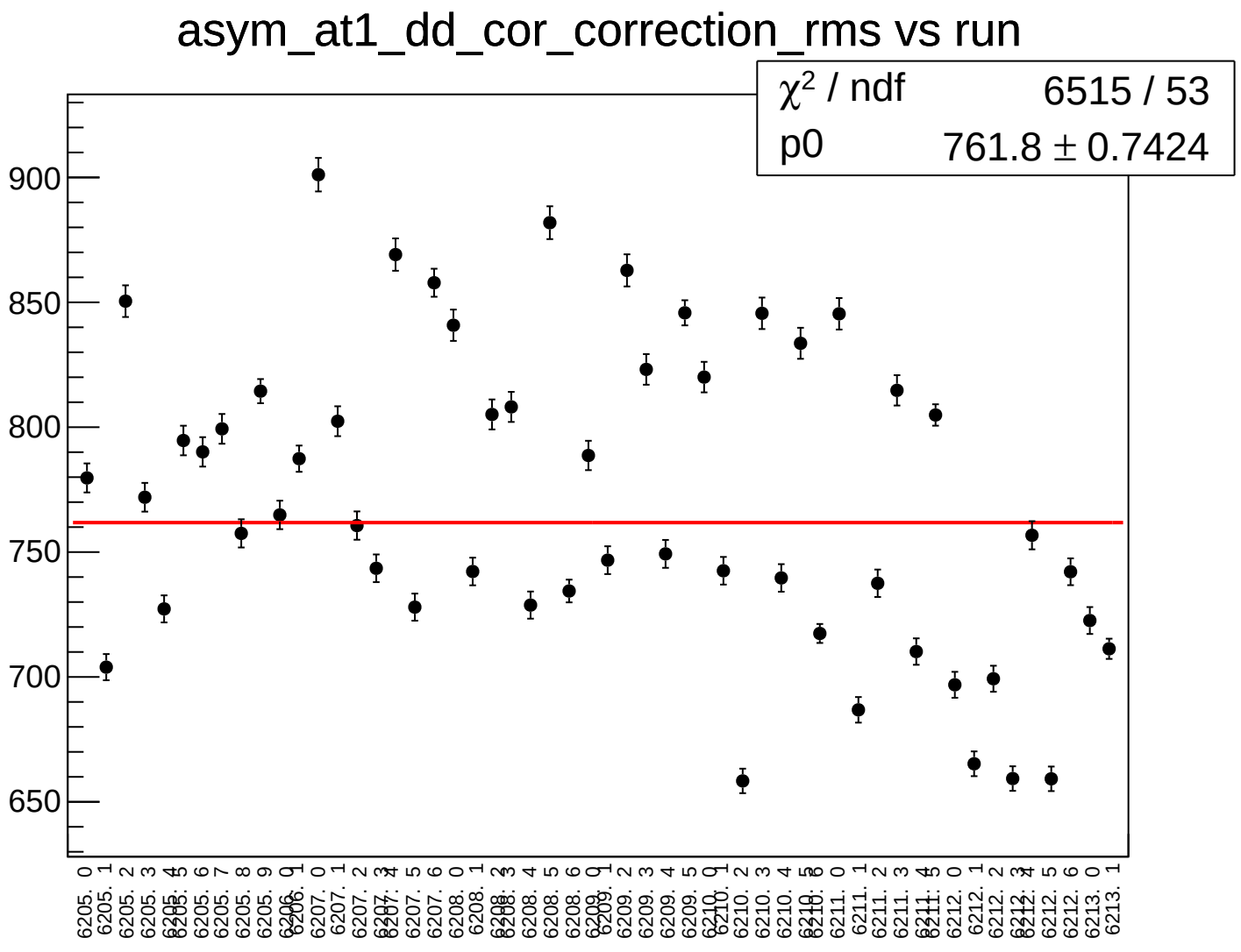

cor_asym_at1_dd_mean vs run
χ² / ndf 44.11 / 53
p0 3381 ± 2602
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean −329.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

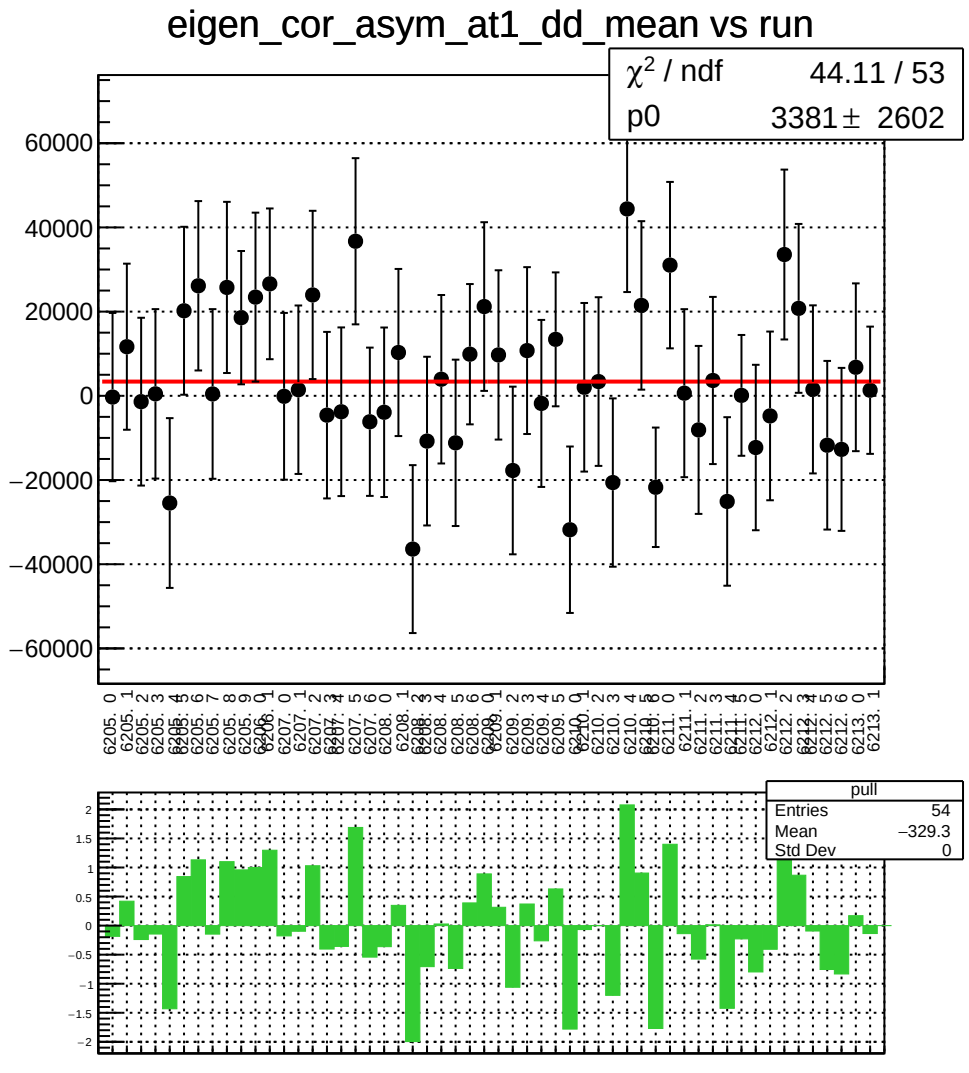

pull1D
Entries 54
Mean 0.006043
Std Dev 0.9038
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

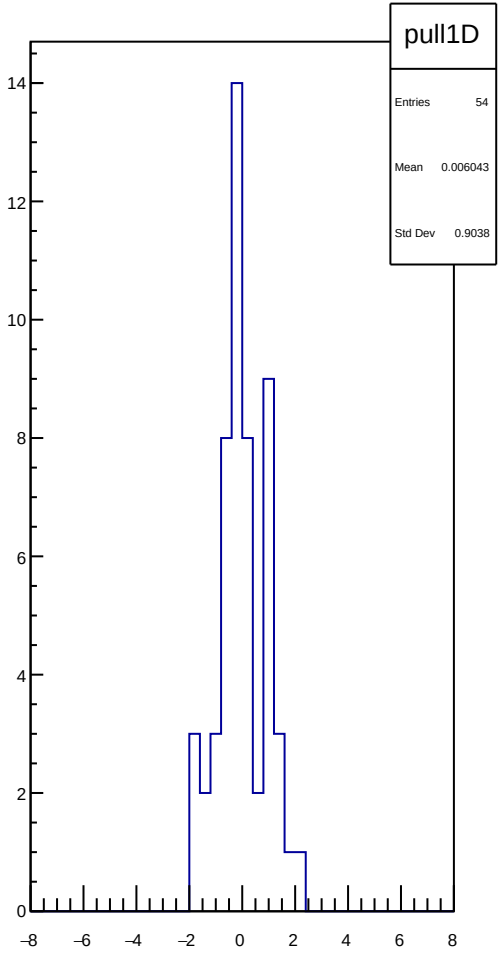

cor_asym_at1_dd_rms vs run
χ² / ndf 46.64 / 53
p0 1894 ± 1.84
1940
1920
1900
1880
1860
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

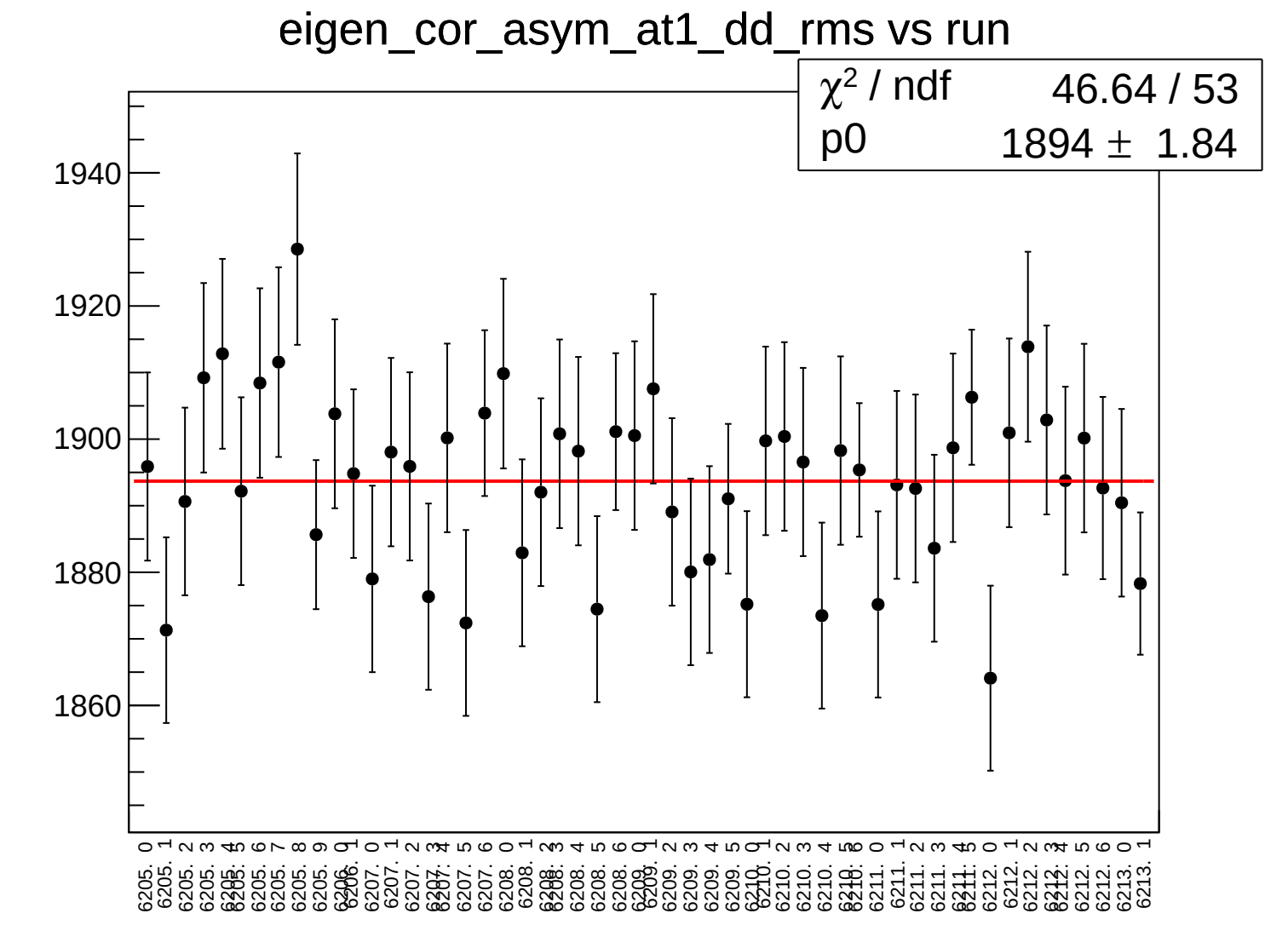

asym_at1_dd_cor_correction_mean vs run
χ² / ndf 42.43 / 53
p0 −177.9 ± 1050
20000
10000
0
−10000
−20000
pull
Entries 54
Mean 11.45
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

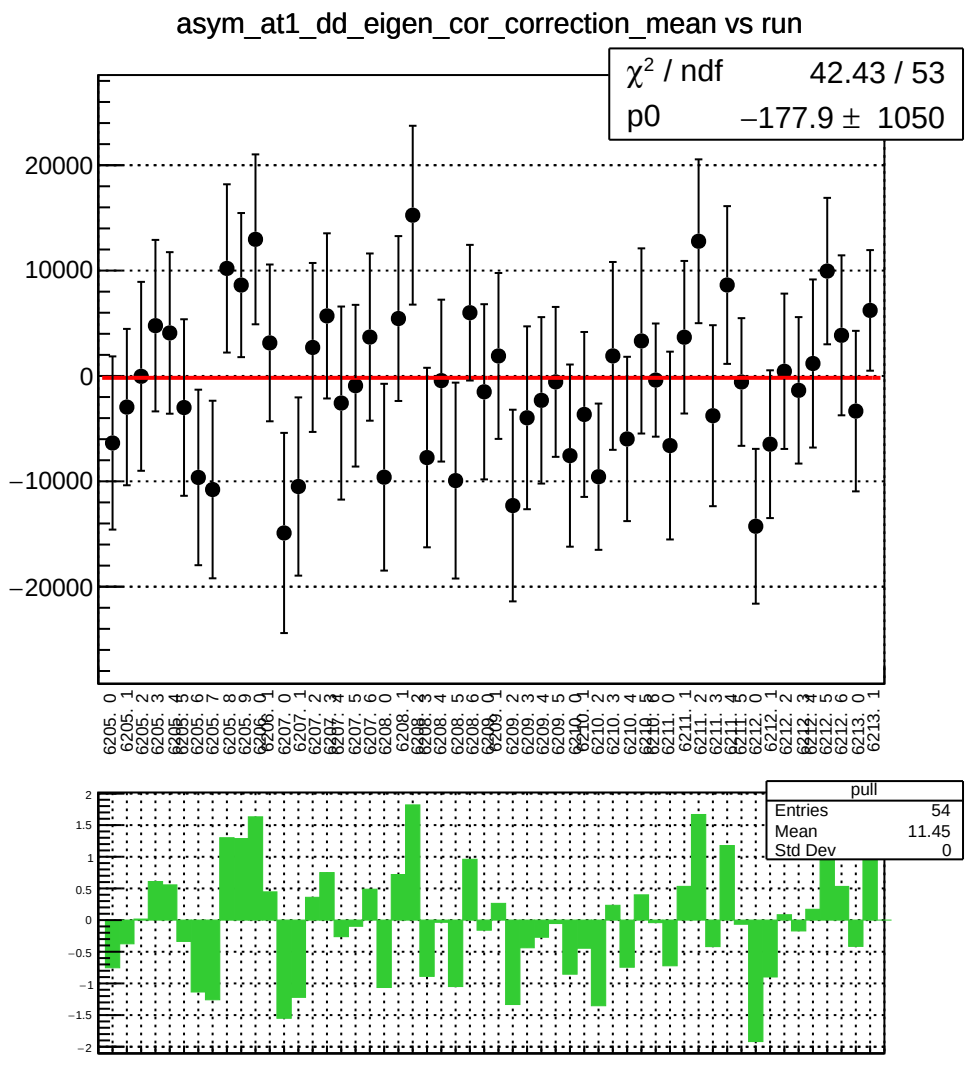

pull1D
Entries 54
Mean −0.03226
Std Dev 0.8858
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

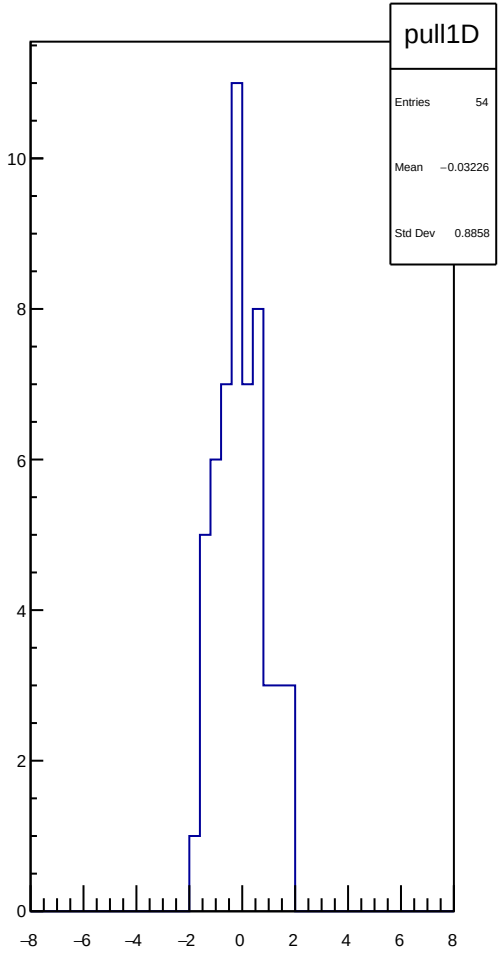

asym_at1_dd_cor_correction_rms vs run
χ² / ndf 6515 / 53
p0 761.8 ± 0.7424
900
850
800
750
700
650
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

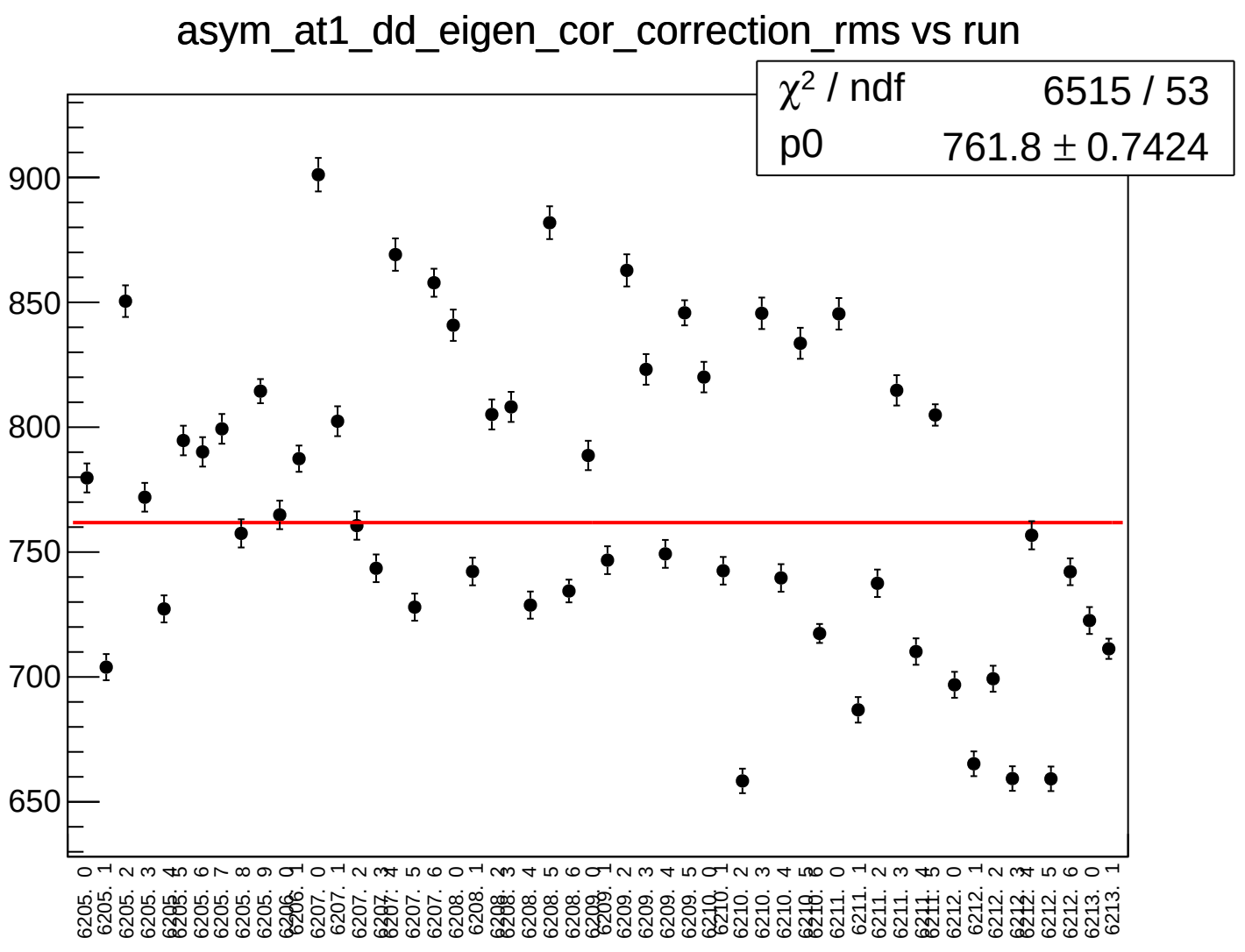

eigen_cor_asym_at1_dd_mean vs run
χ² / ndf 44.11 / 53
p0 3381 ± 2602
pull
Entries 54
Mean −329.3
Std Dev 0

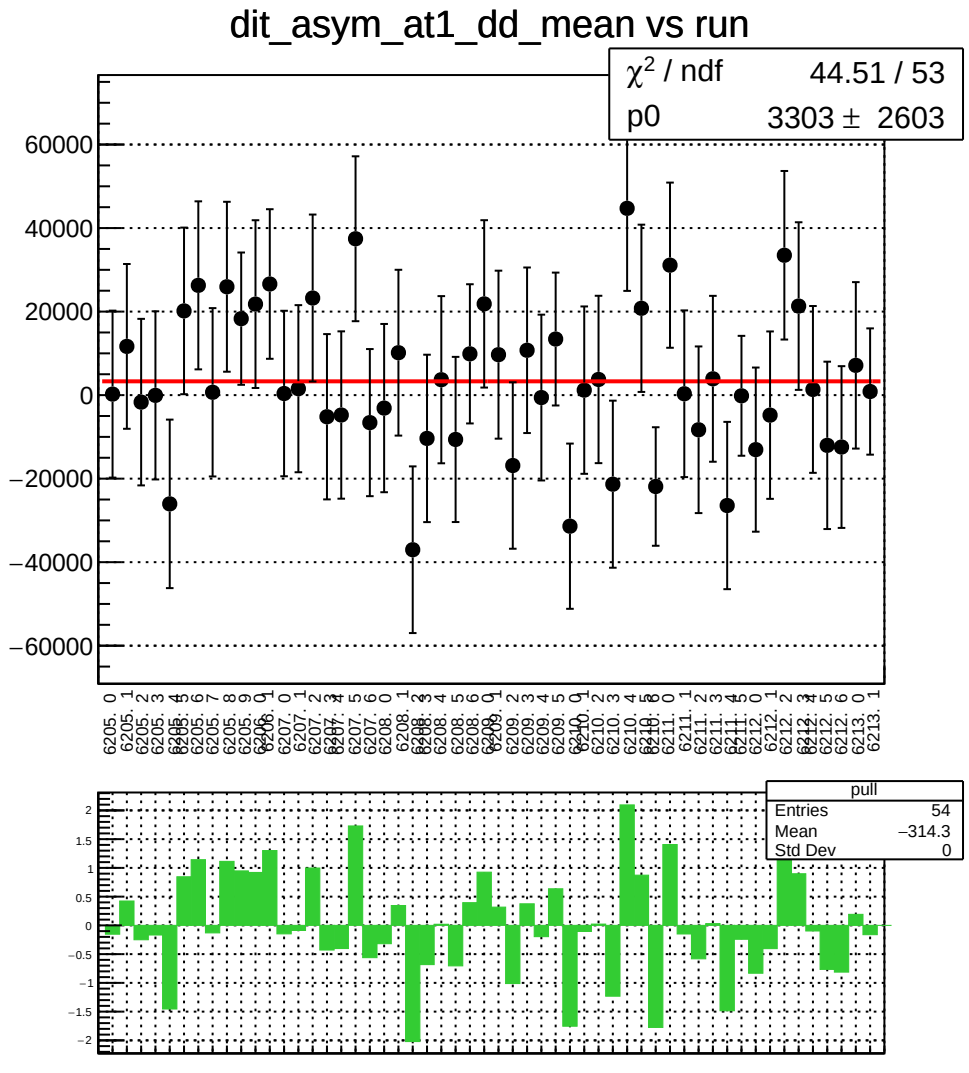

pull1D
Entries 54
Mean 0.006043
Std Dev 0.9038

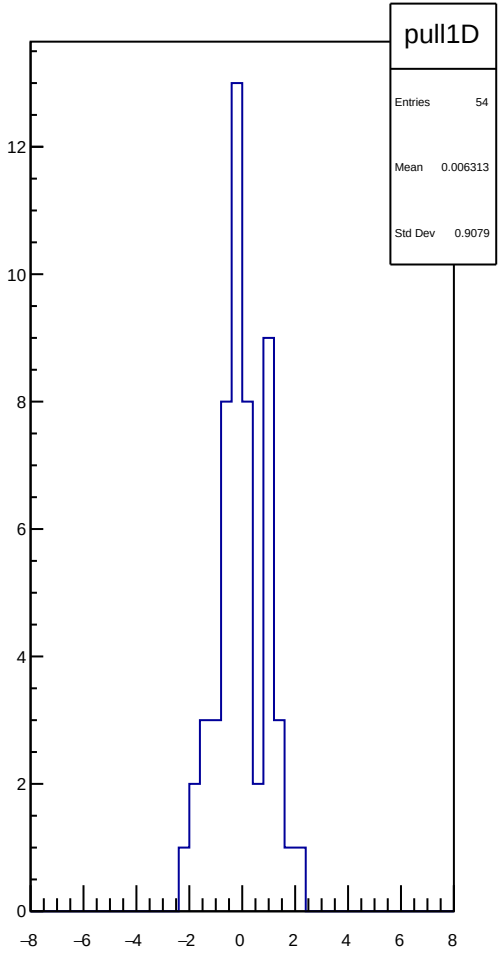

eigen_cor_asym_at1_dd_rms vs run
χ² / ndf 46.64 / 53
p0 1894 ± 1.84
1940
1920
1900
1880
1860
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

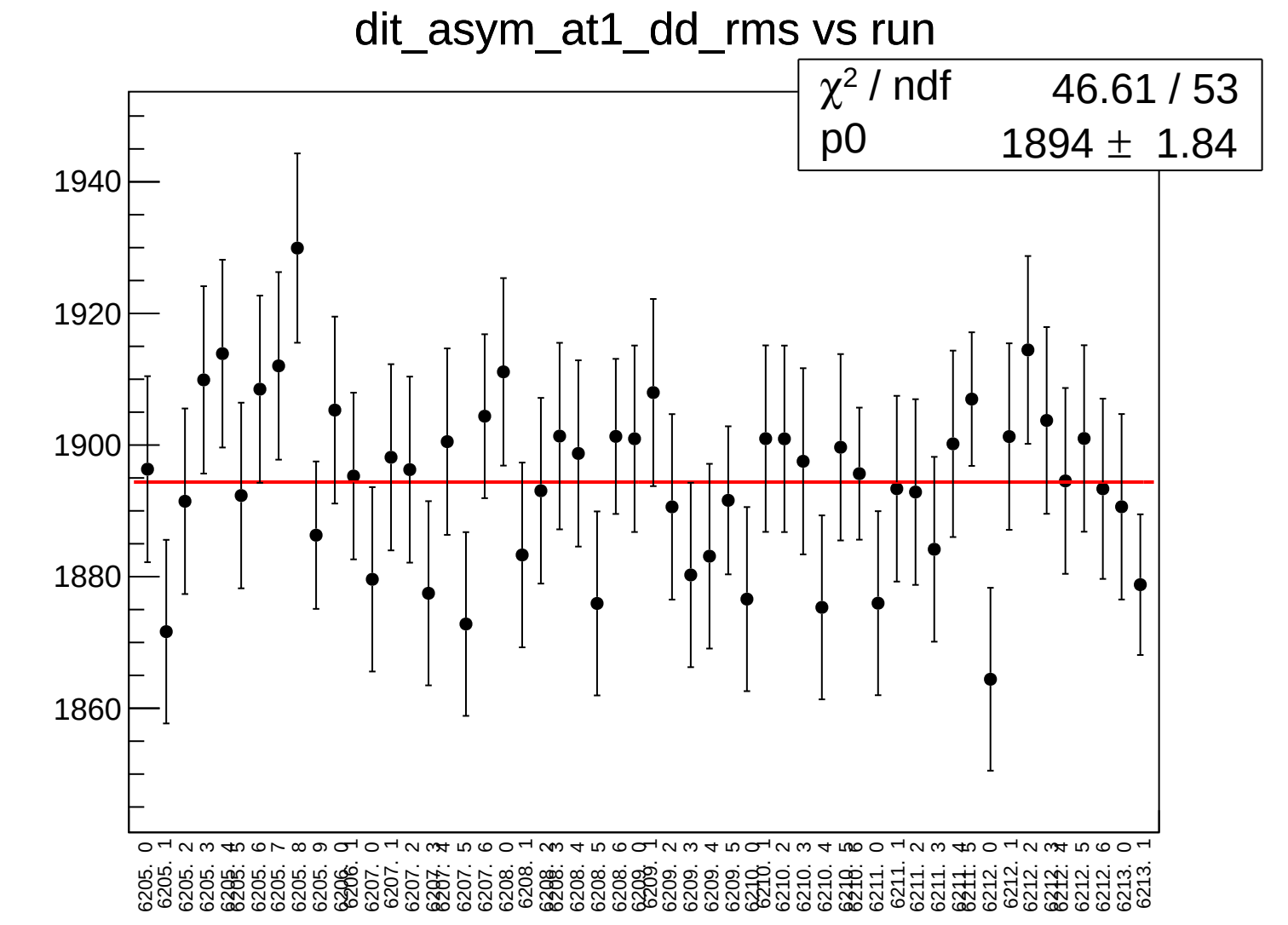

asym_at1_dd_eigen_cor_correction_mean vs run
χ² / ndf 42.43 / 53
p0 −177.9 ± 1050
20000
10000
0
−10000
−20000
pull
Entries 54
Mean 11.45
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

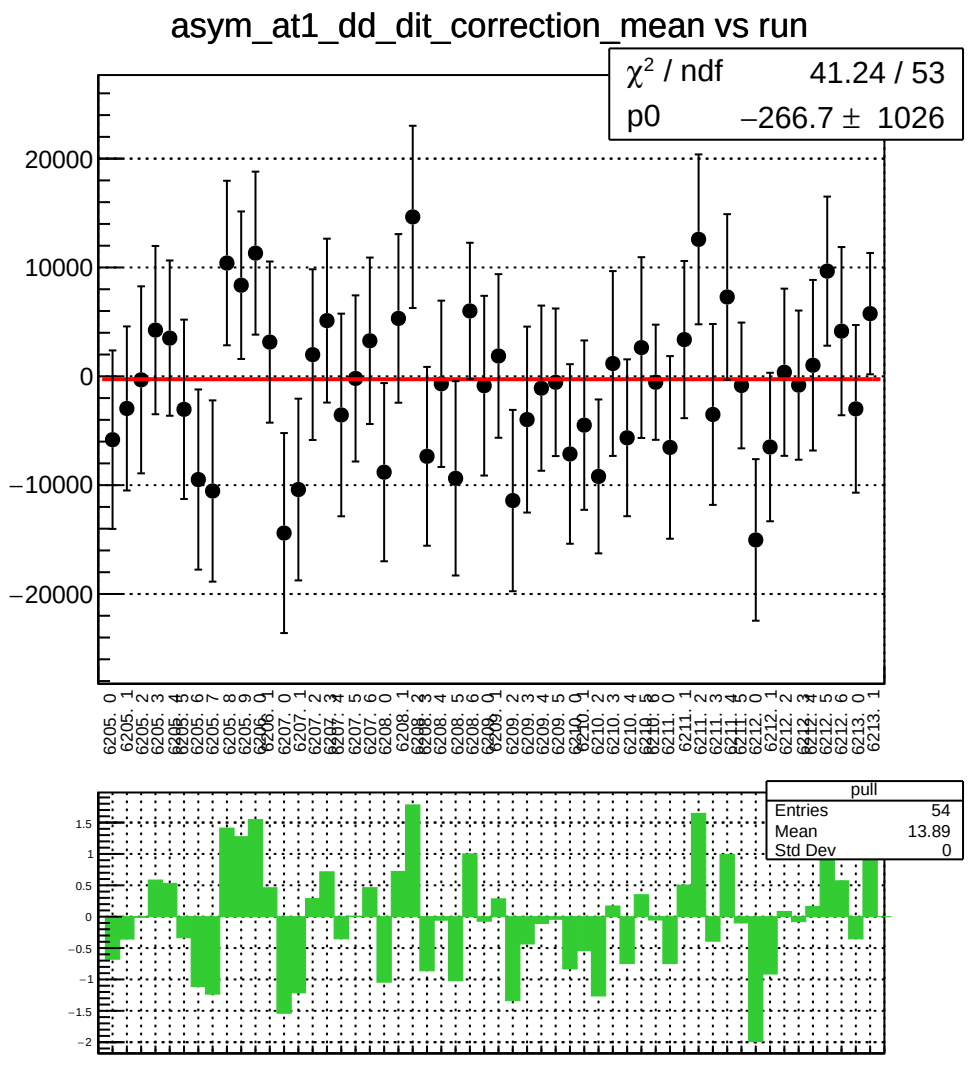

pull1D
Entries 54
Mean −0.03226
Std Dev 0.8858
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

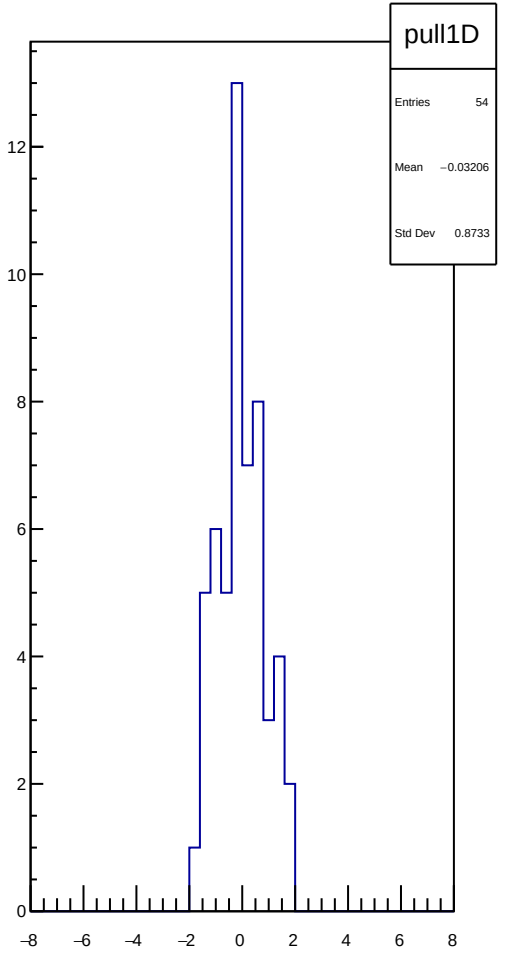

asym_at1_dd_eigen_cor_correction_rms vs run
χ² / ndf 6515 / 53
p0 761.8 ± 0.7424
900
850
800
750
700
650
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

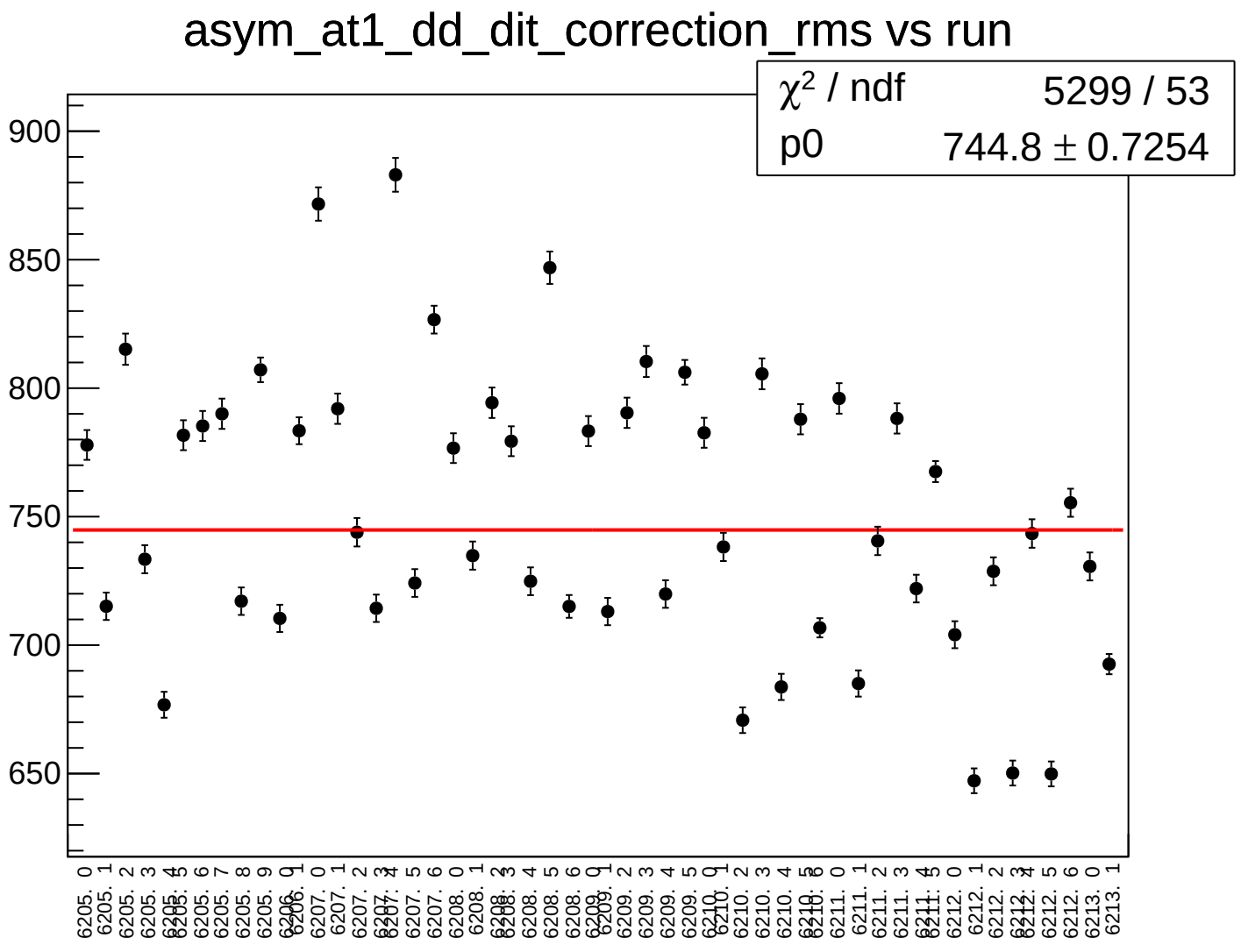

dit_asym_at1_dd_mean vs run
χ² / ndf 44.51 / 53
p0 3303 ± 2603
pull
Entries 54
Mean −314.3
Std Dev 0

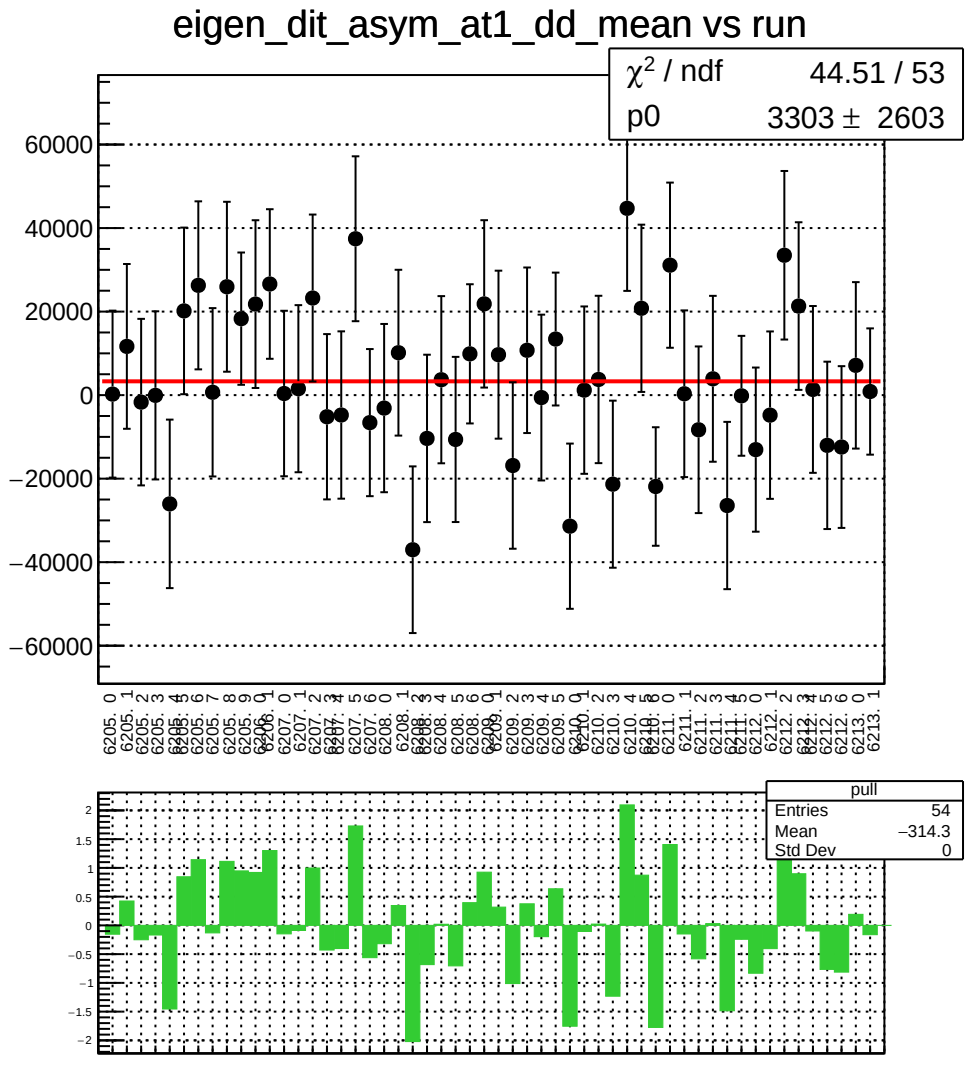

pull1D
Entries 54
Mean 0.006313
Std Dev 0.9079

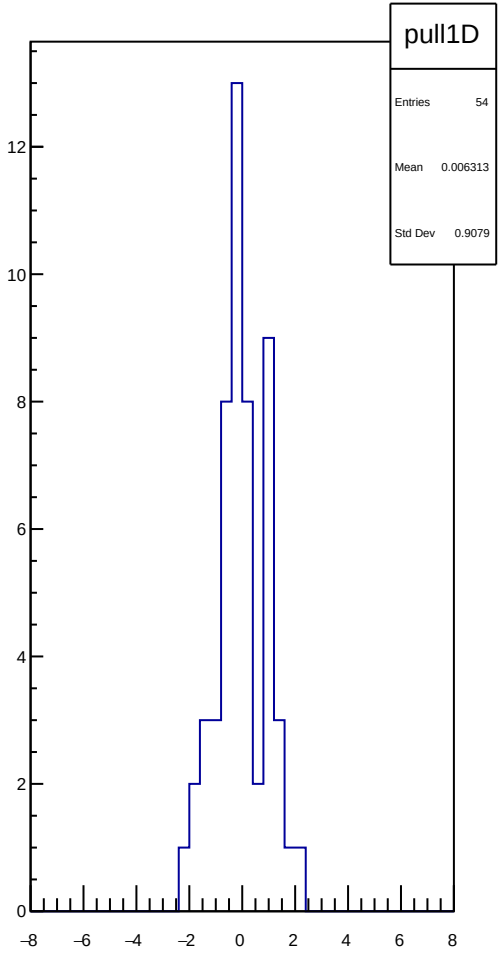

dit_asym_at1_dd_rms vs run
χ² / ndf 46.61 / 53
p0 1894 ± 1.84
1940
1920
1900
1880
1860
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

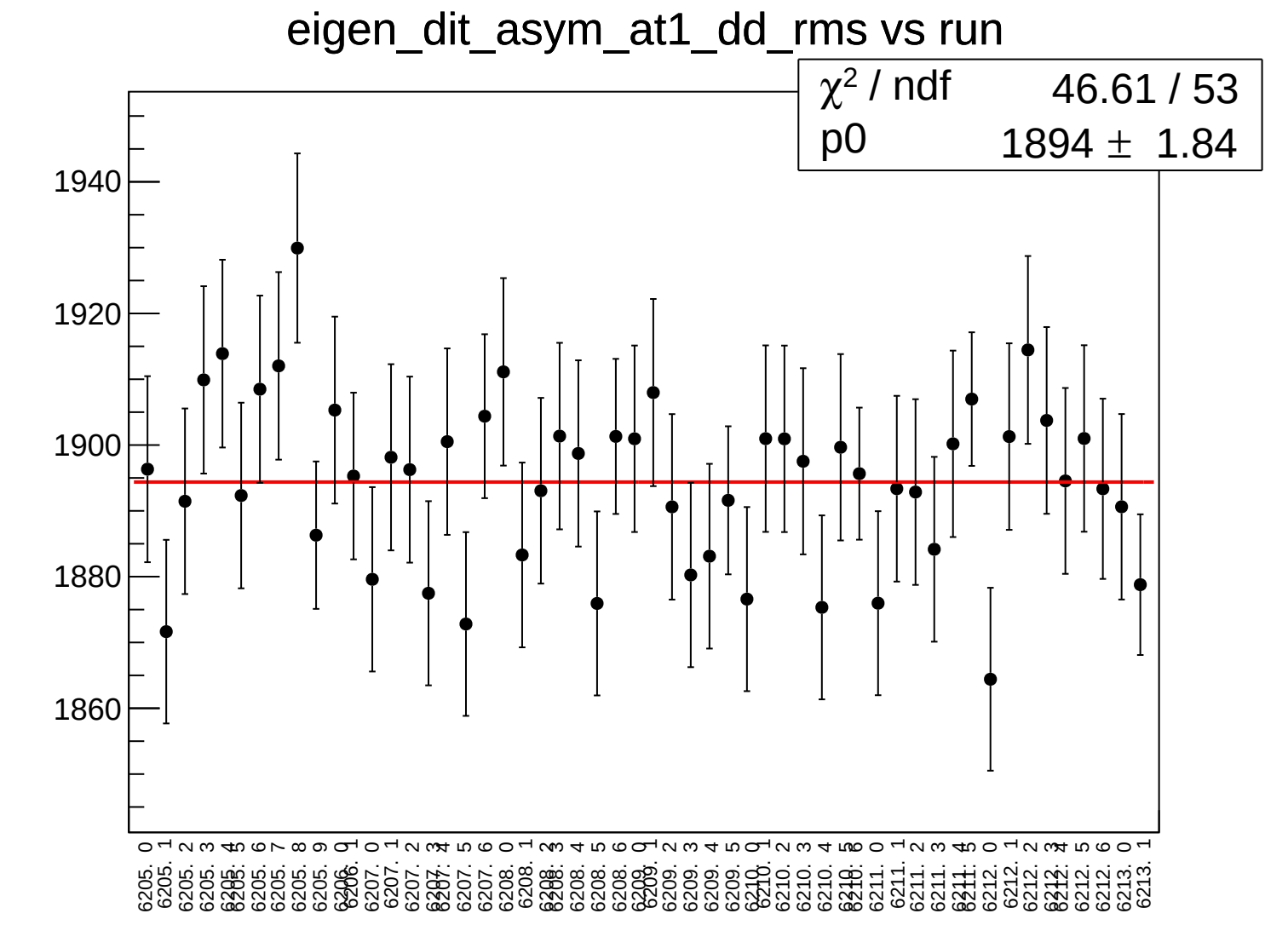

asym_at1_dd_dit_correction_mean vs run
χ² / ndf 41.24 / 53
p0 −266.7 ± 1026
20000
10000
0
−10000
−20000
pull
Entries 54
Mean 13.89
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

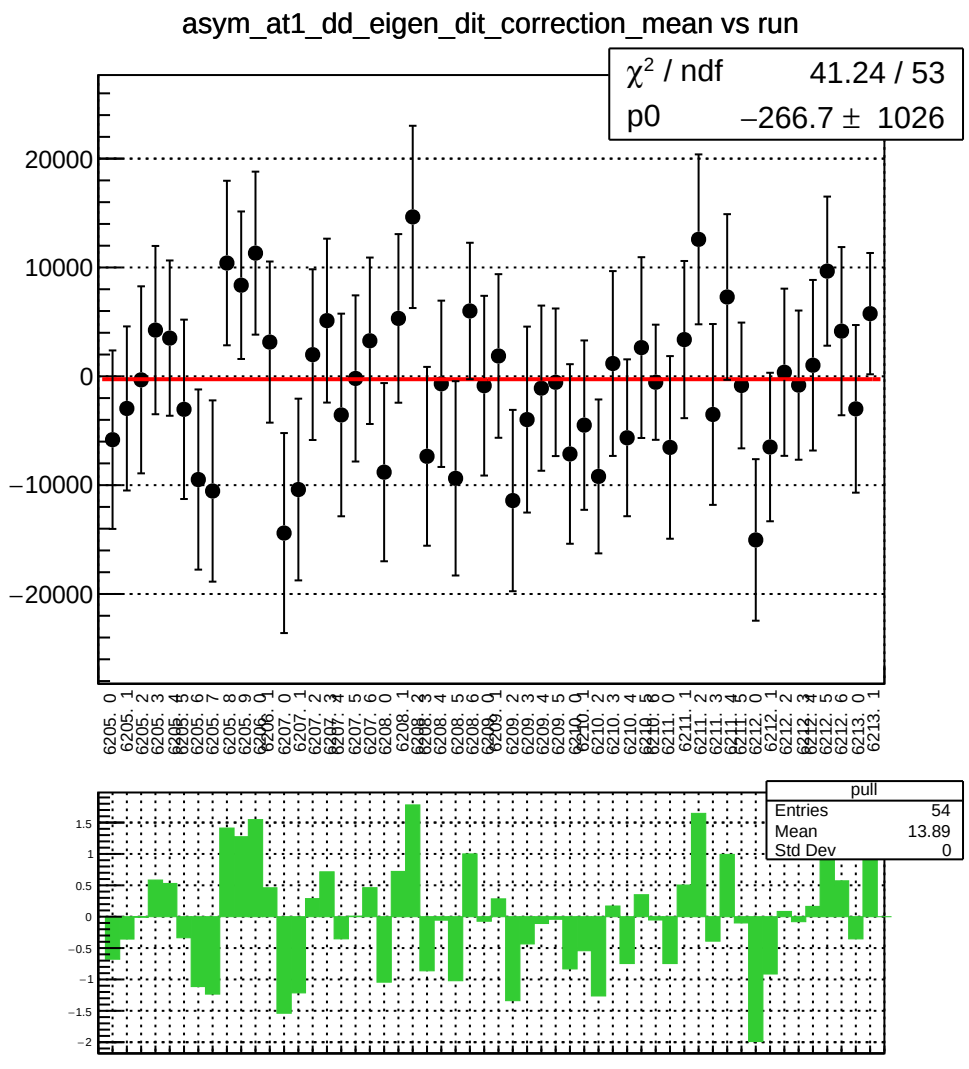

pull1D
Entries 54
Mean −0.03206
Std Dev 0.8733
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

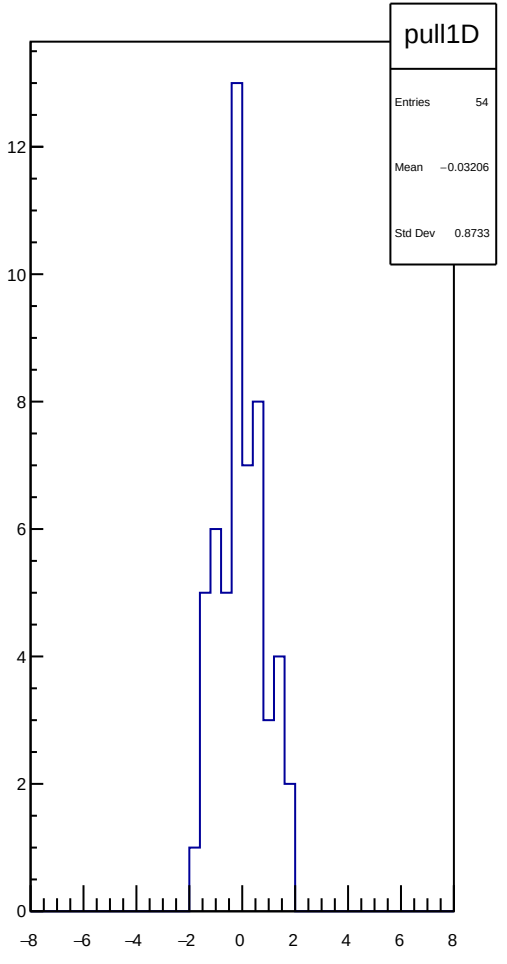

asym_at1_dd_dit_correction_rms vs run
χ² / ndf 5299 / 53
p0 744.8 ± 0.7254
900
850
800
750
700
650

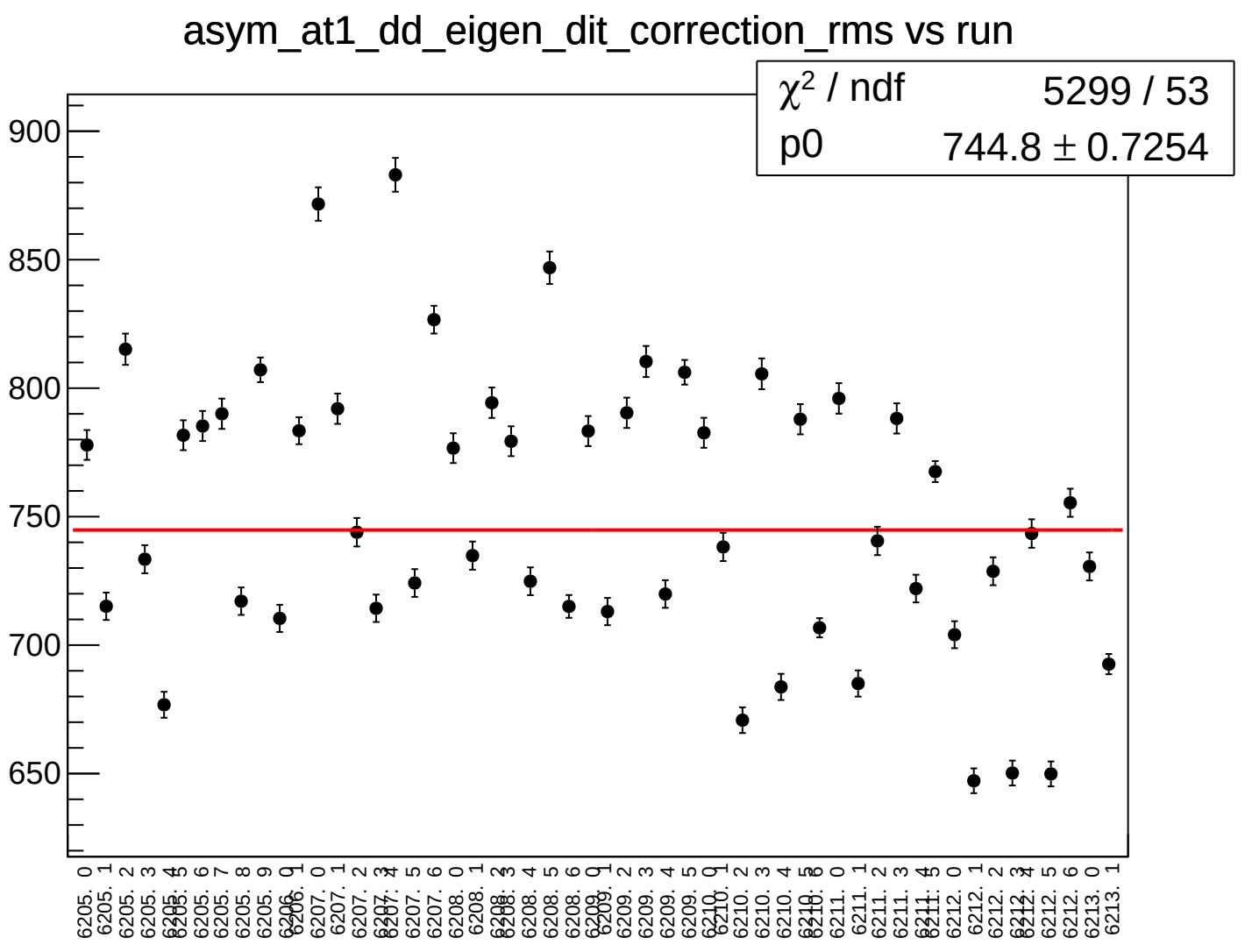

eigen_dit_asym_at1_dd_mean vs run
χ² / ndf 44.51 / 53
p0 3303 ± 2603
pull
Entries 54
Mean −314.3
Std Dev 0

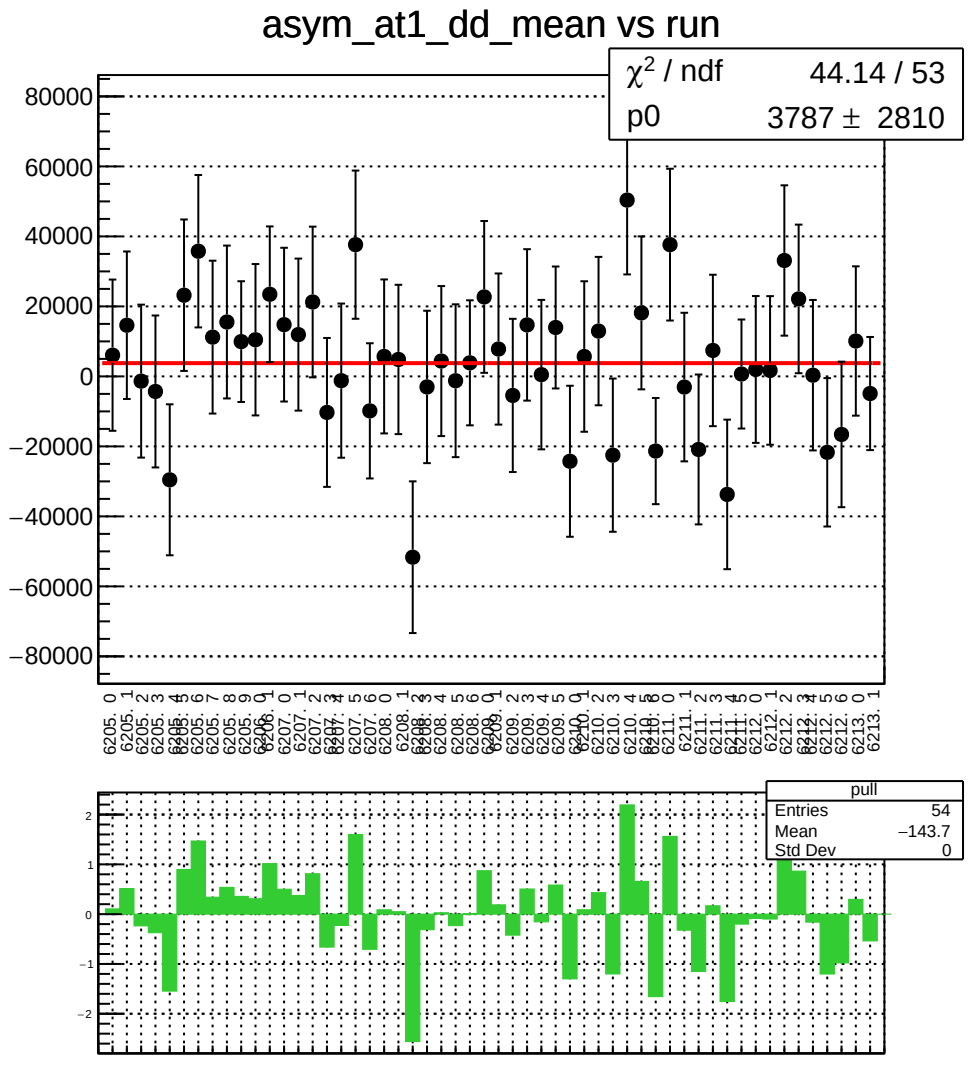

pull1D
Entries 54
Mean 0.006313
Std Dev 0.9079

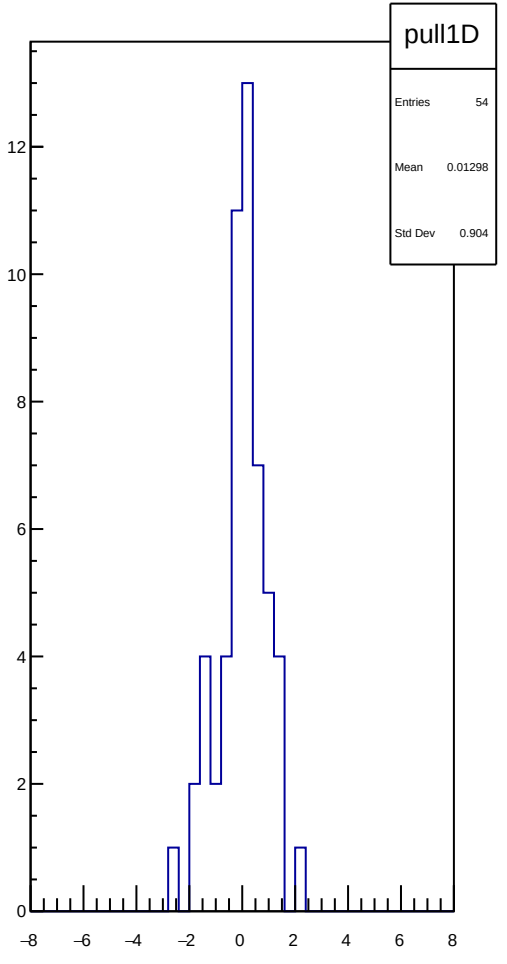

eigen_dit_asym_at1_dd_rms vs run
χ² / ndf 46.61 / 53
p0 1894 ± 1.84
1940
1920
1900
1880
1860
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

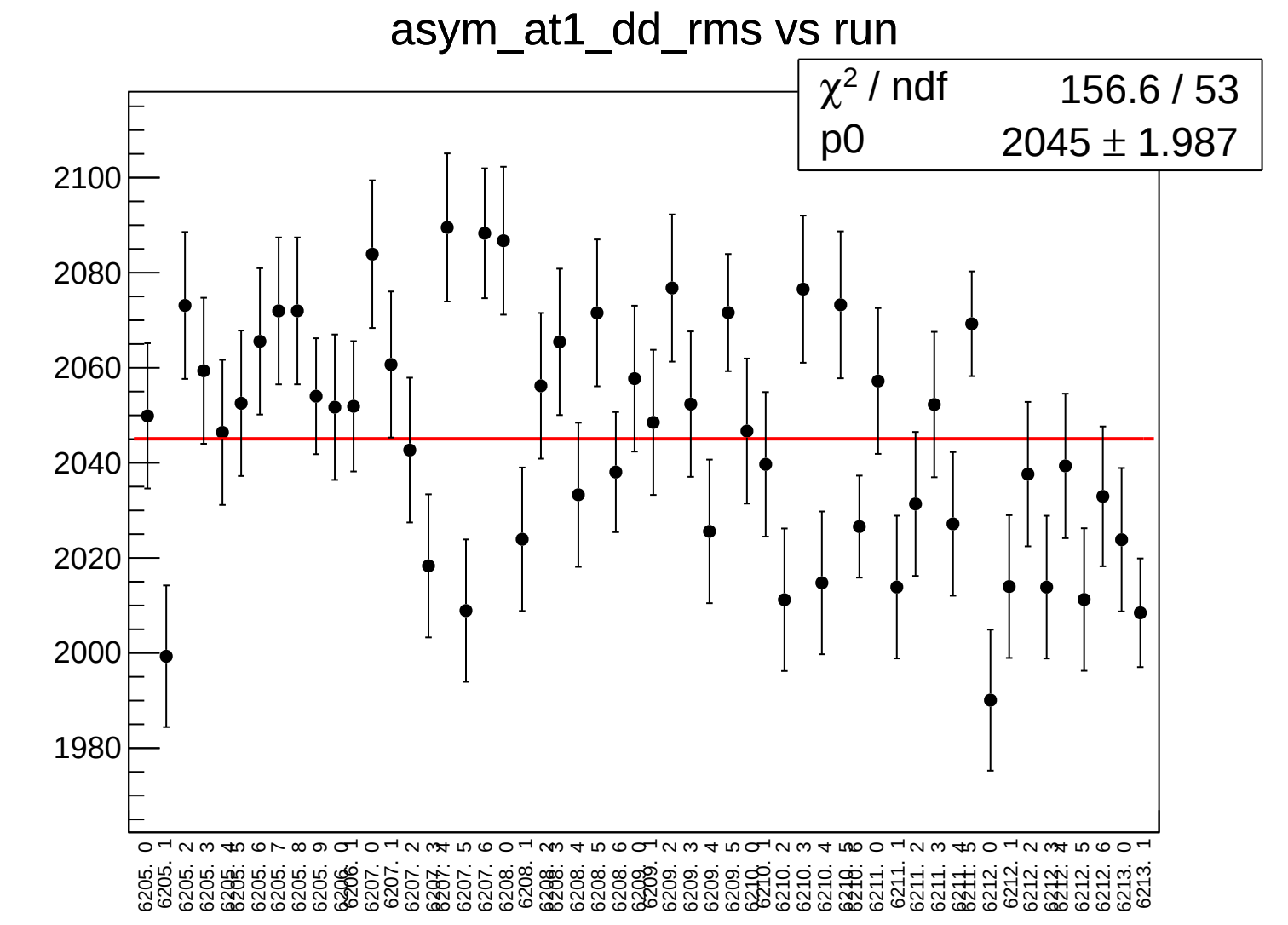

asym_at1_dd_eigen_dit_correction_mean vs run
χ² / ndf 41.24 / 53
p0 −266.7 ± 1026
20000
10000
0
−10000
−20000
pull
Entries 54
Mean 13.89
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

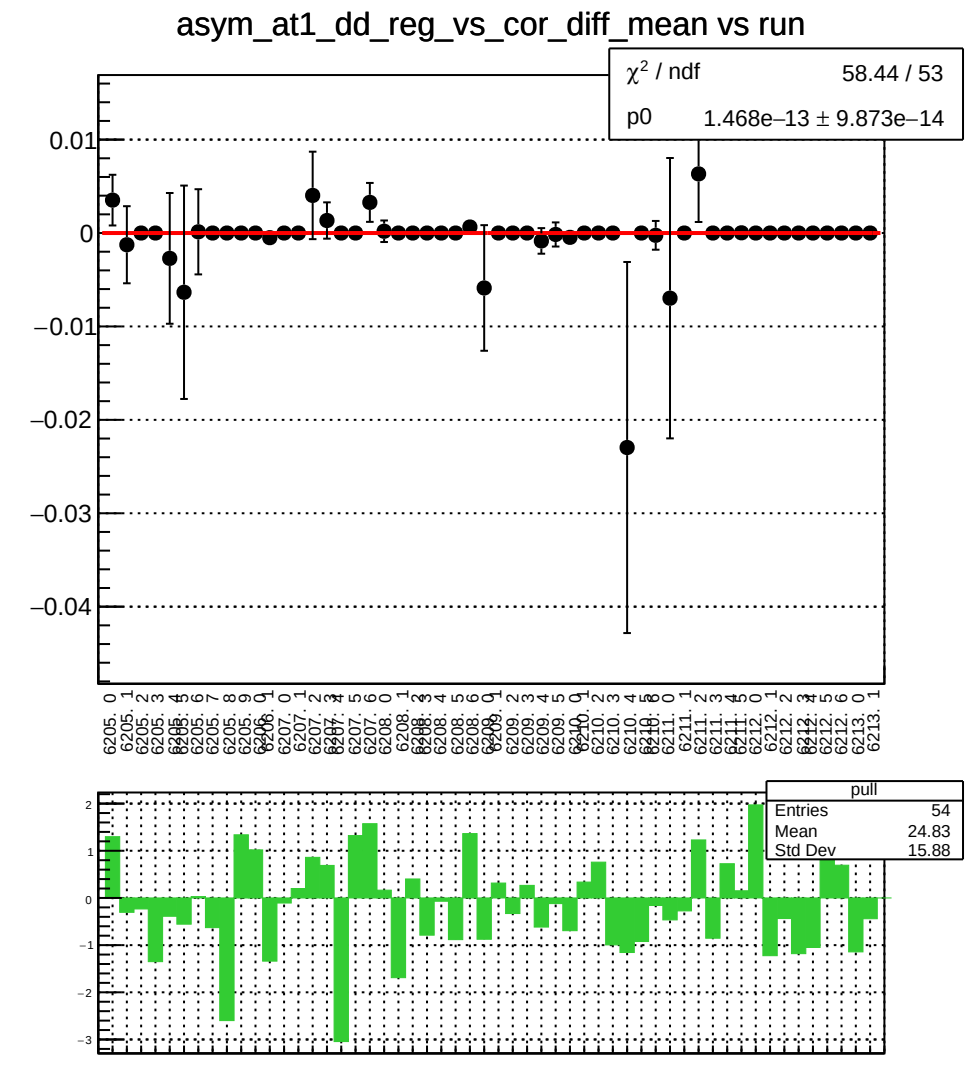

pull1D
Entries 54
Mean −0.03206
Std Dev 0.8733
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

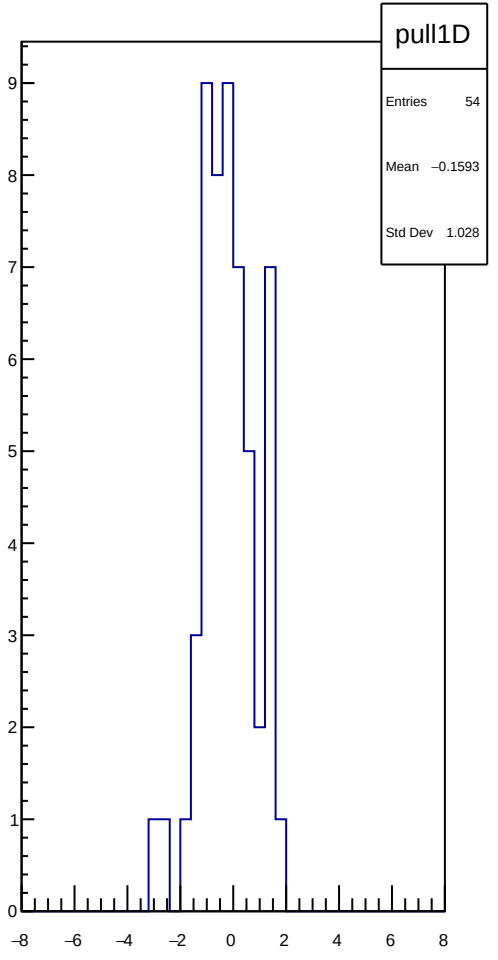

asym_at1_dd_eigen_dit_correction_rms vs run
χ² / ndf 5299 / 53
p0 744.8 ± 0.7254
900
850
800
750
700
650
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

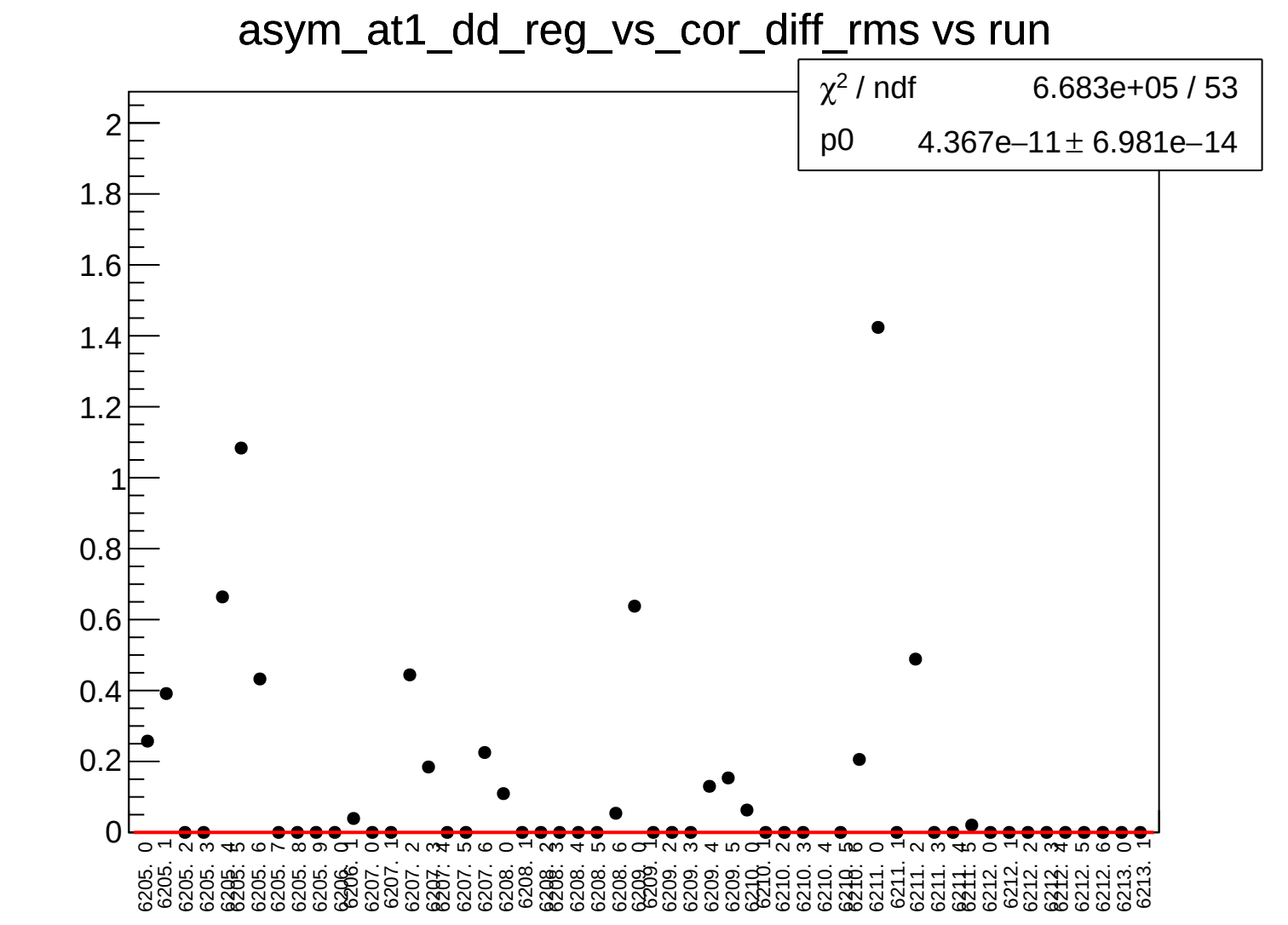

asym_at1_dd_mean vs run
χ² / ndf 44.14 / 53
p0 3787 ± 2810
pull
Entries 54
Mean −143.7
Std Dev 0

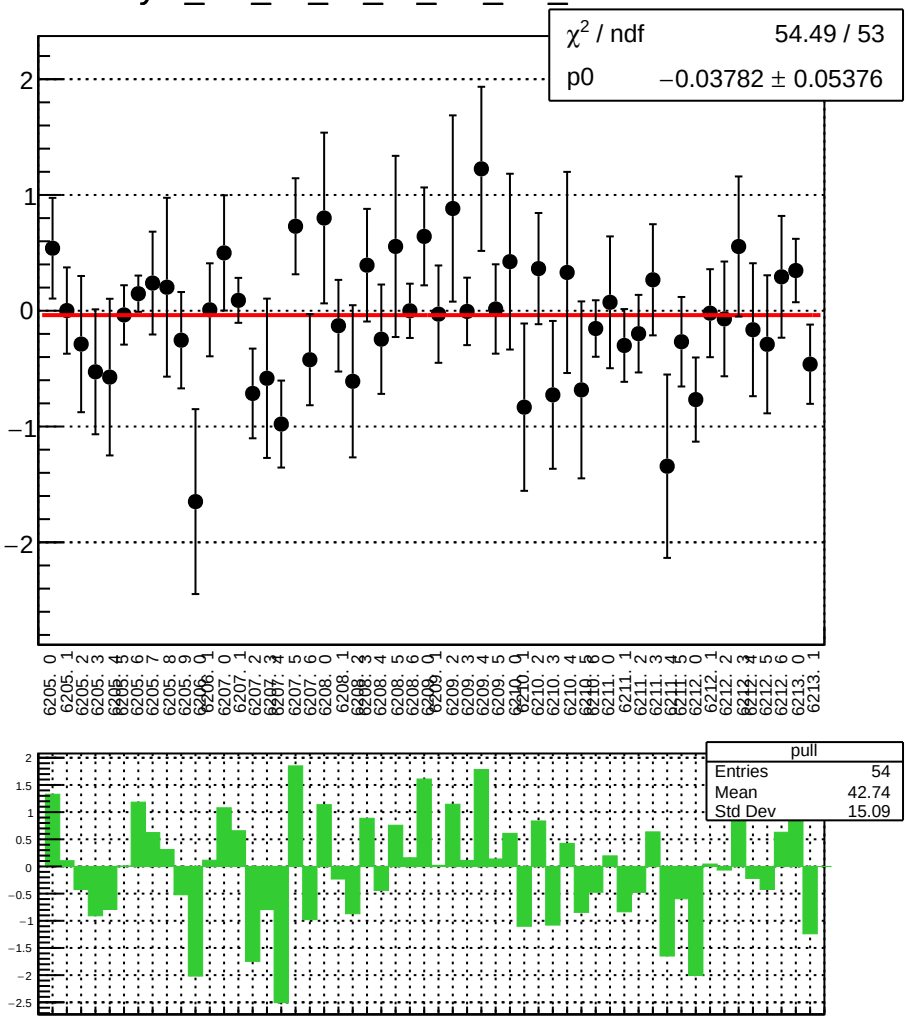

pull1D
Entries 54
Mean 0.01298
Std Dev 0.904

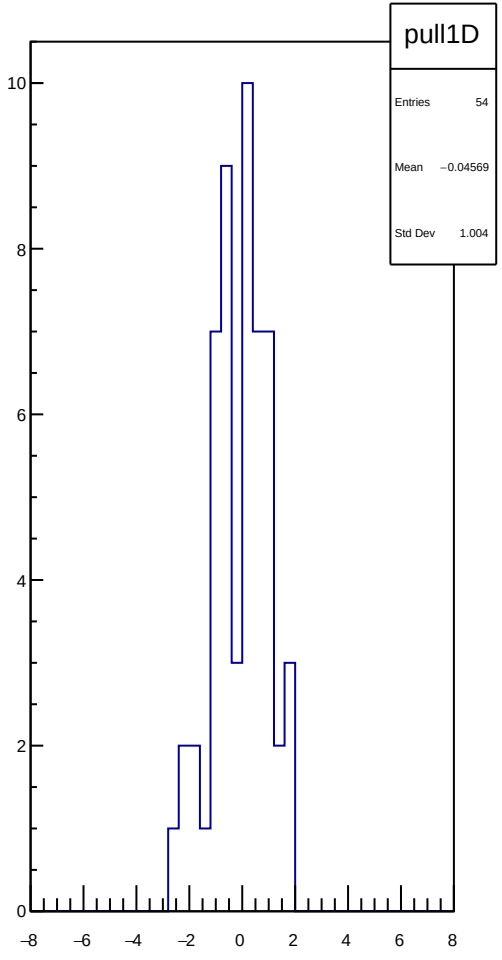

asym_at1_dd_rms vs run
χ² / ndf 156.6 / 53
p0 2045 ± 1.987
2100
2080
2060
2040
2020
2000
1980
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

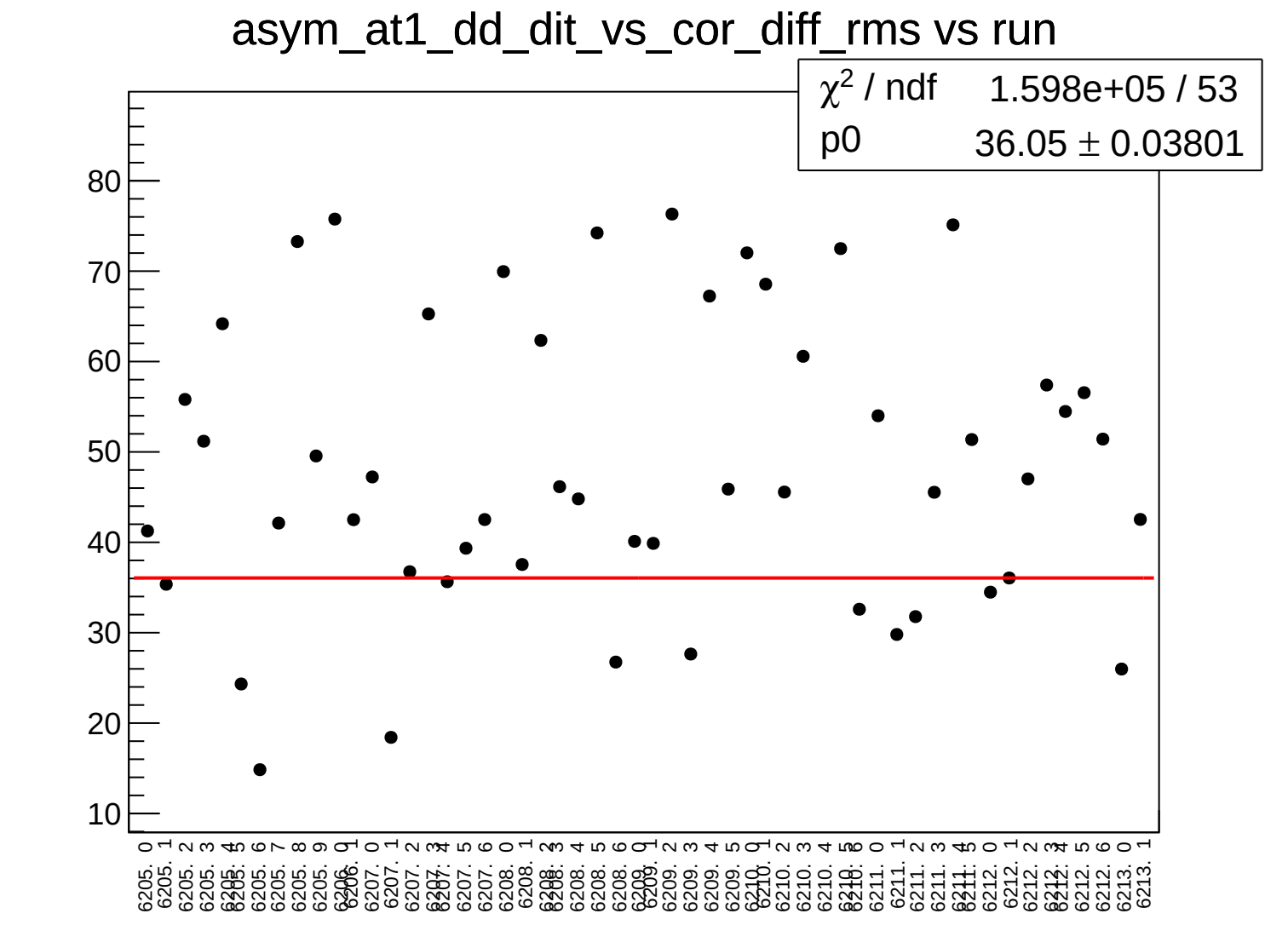

asym_at1_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 58.44 / 53
p0 1.468e−13 ± 9.873e−14
0.01
0
−0.01
−0.02
−0.03
−0.04
pull
Entries 54
Mean 24.83
Std Dev 15.88
2
1
0
−1
−2
−3

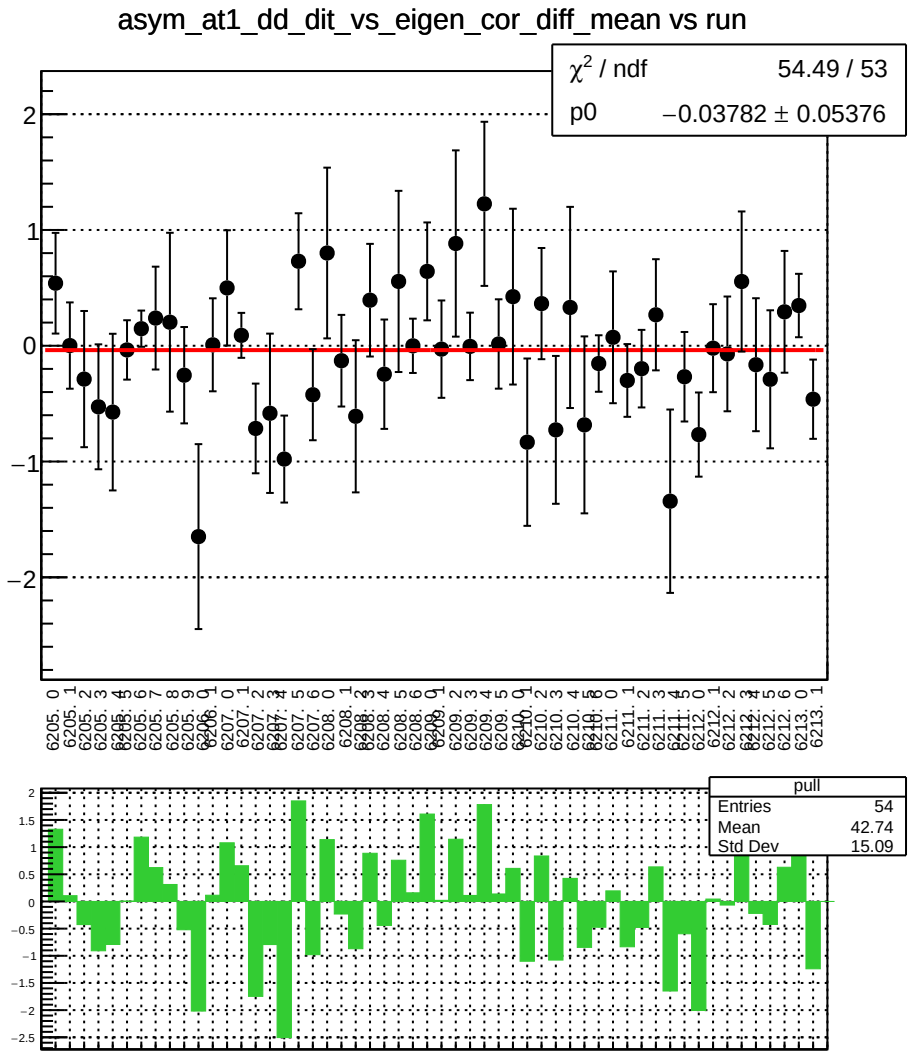

pull1D
Entries 54
Mean −0.1593
Std Dev 1.028
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

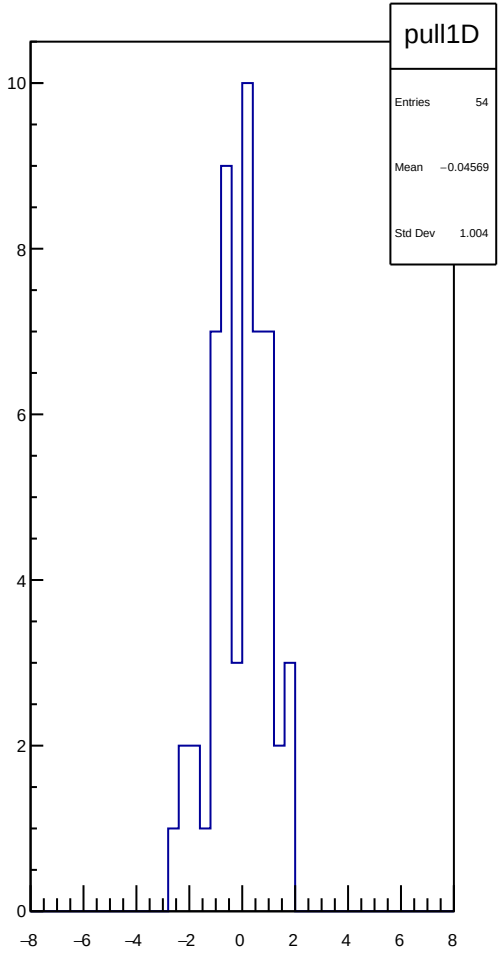

asym_at1_dd_reg_vs_cor_diff_rms vs run
χ^2 / ndf 6.683e+05 / 53
p0 4.367e−11 ± 6.981e−14
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

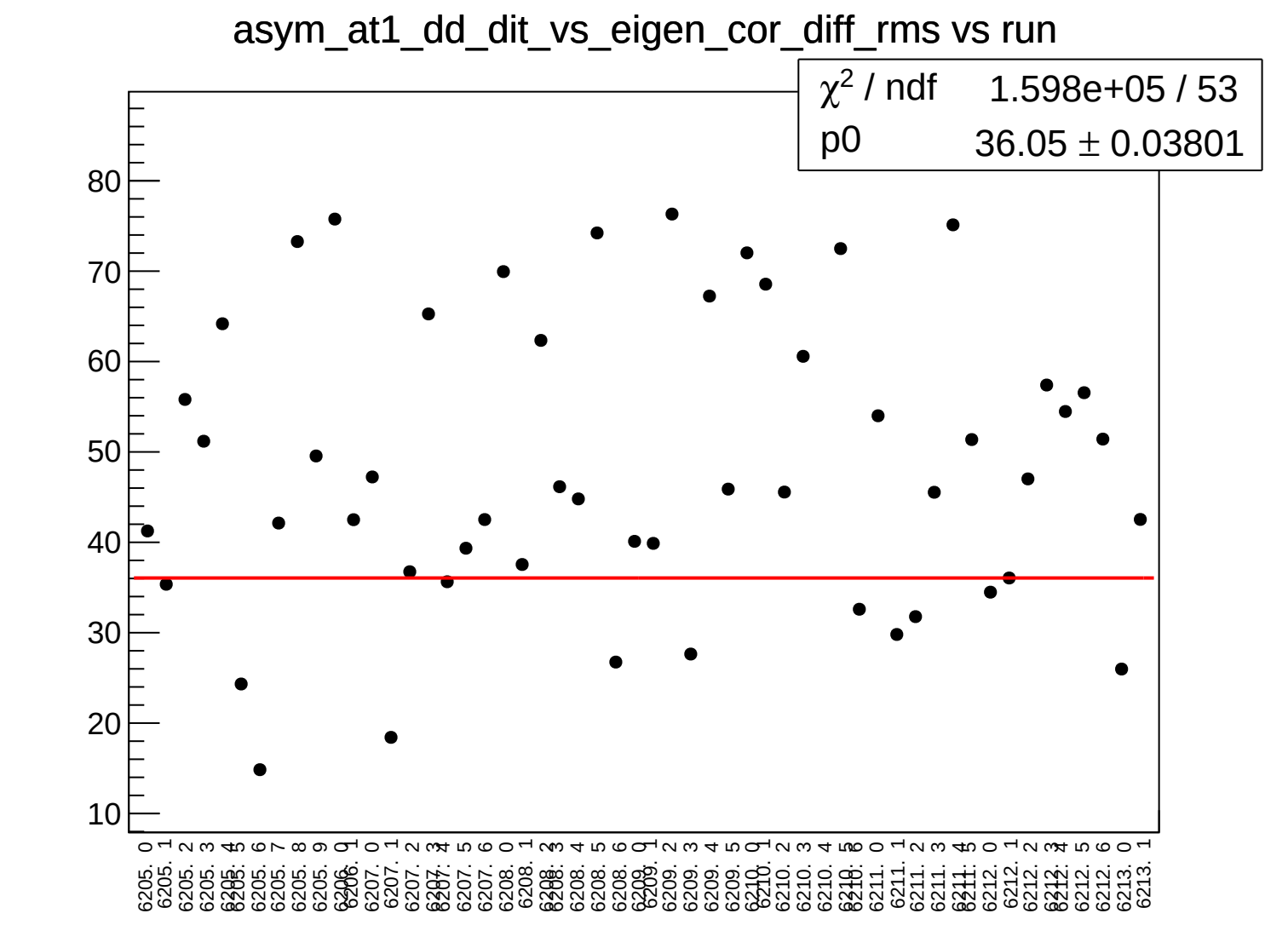

asym_at1_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 54.49 / 53
p0 −0.03782 ± 0.05376
pull
Entries 54
Mean 42.74
Std Dev 15.09


pull1D
Entries 54
Mean −0.04569
Std Dev 1.004


asym_at1_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.598e+05 / 53
p0 36.05 ± 0.03801
80
70
60
50
40
30
20
10
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_at1_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 54.49 / 53
p0 −0.03782 ± 0.05376
pull
Entries 54
Mean 42.74
Std Dev 15.09


pull1D
Entries 54
Mean −0.04569
Std Dev 1.004


asym_at1_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.598e+05 / 53
p0 36.05 ± 0.03801
80
70
60
50
40
30
20
10
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
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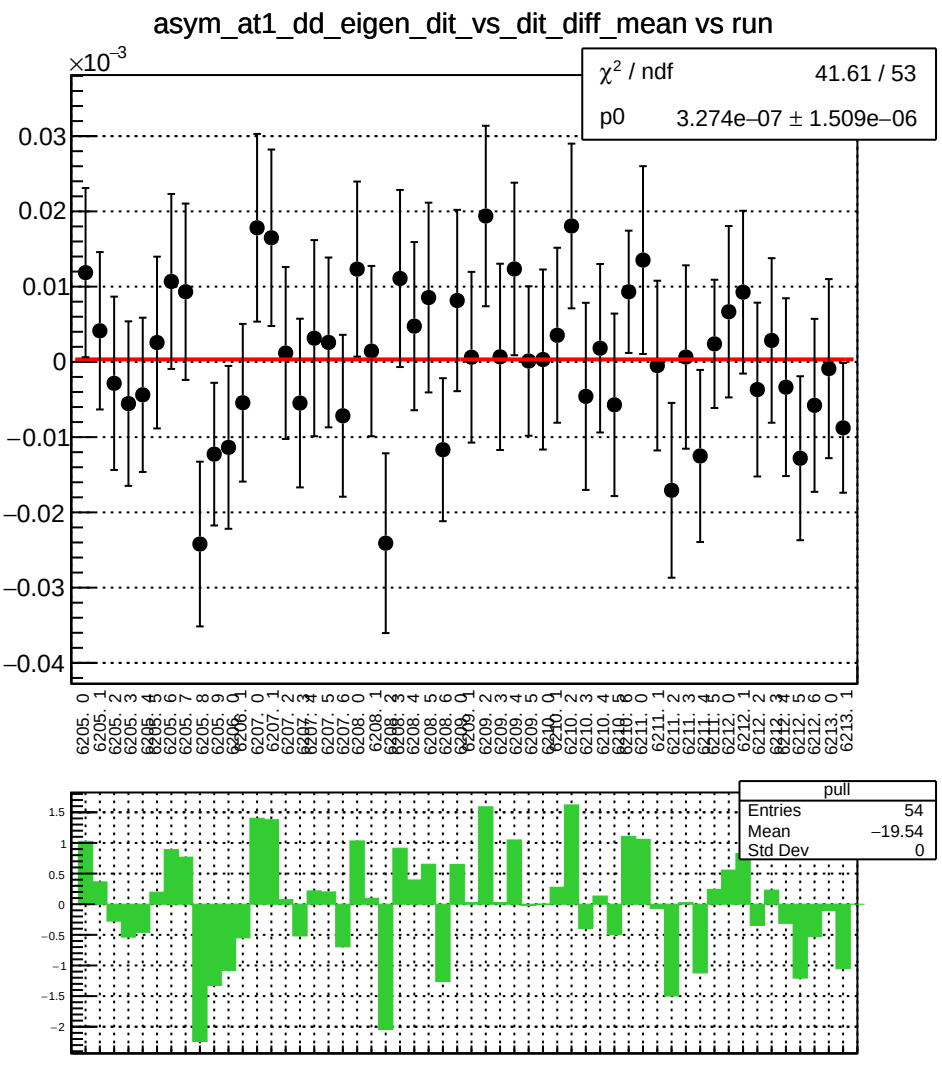
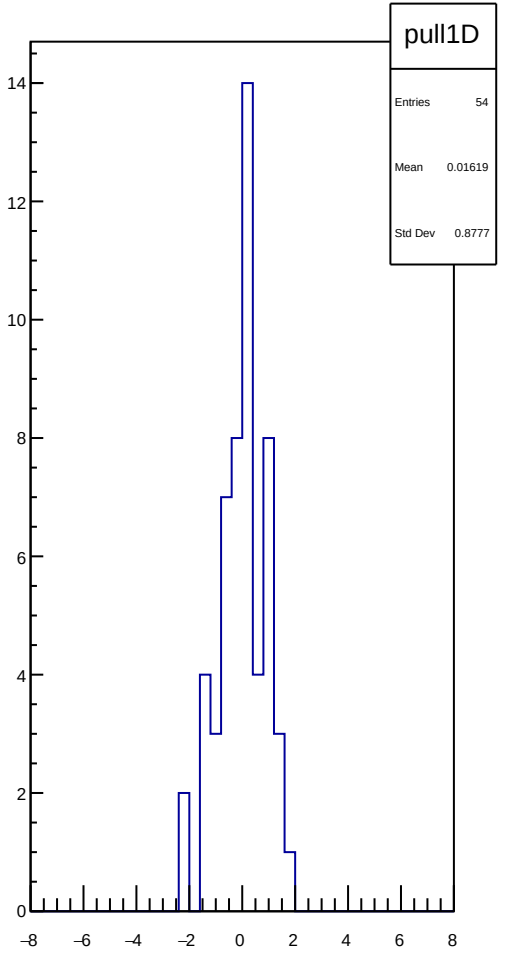
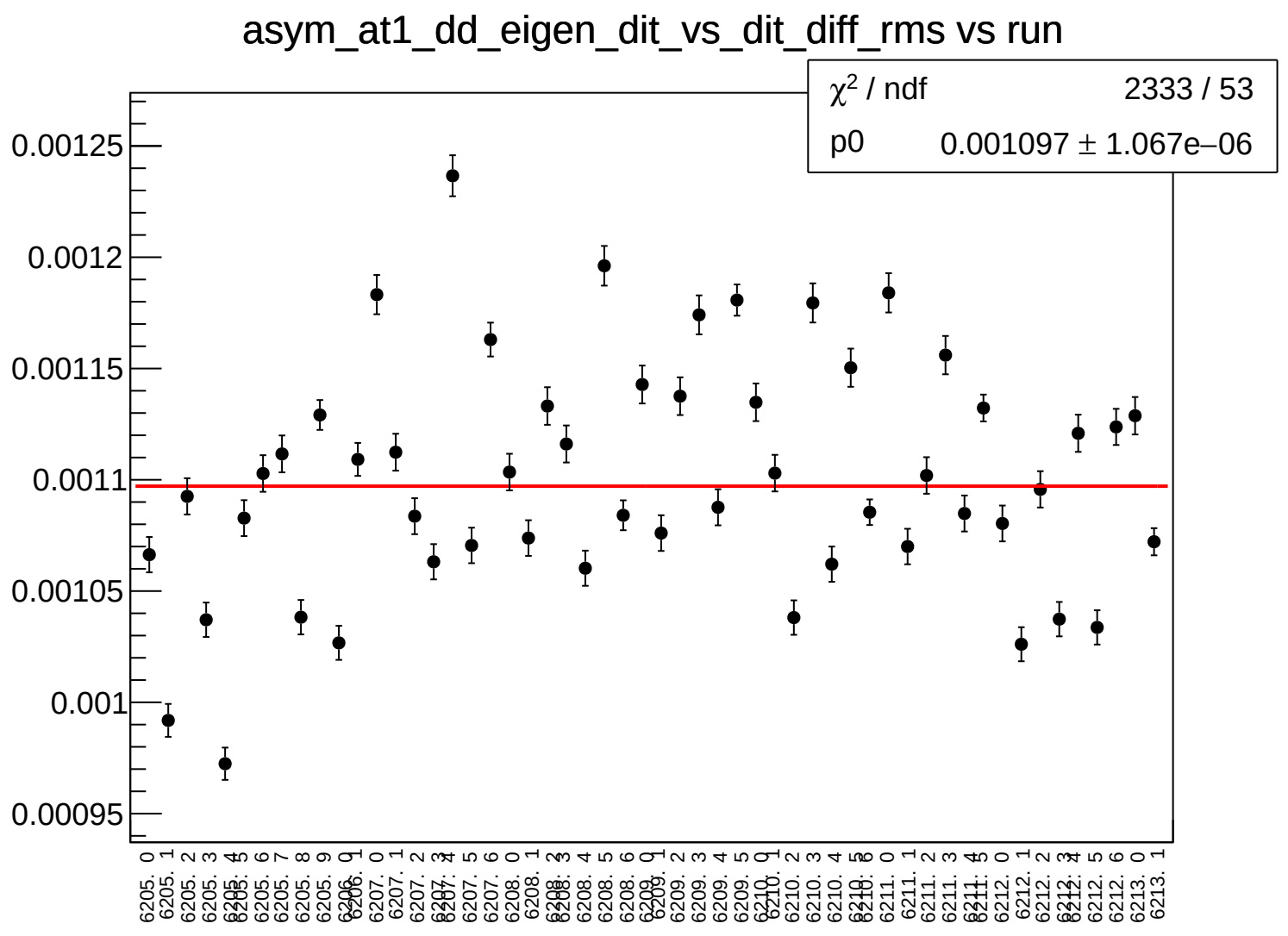
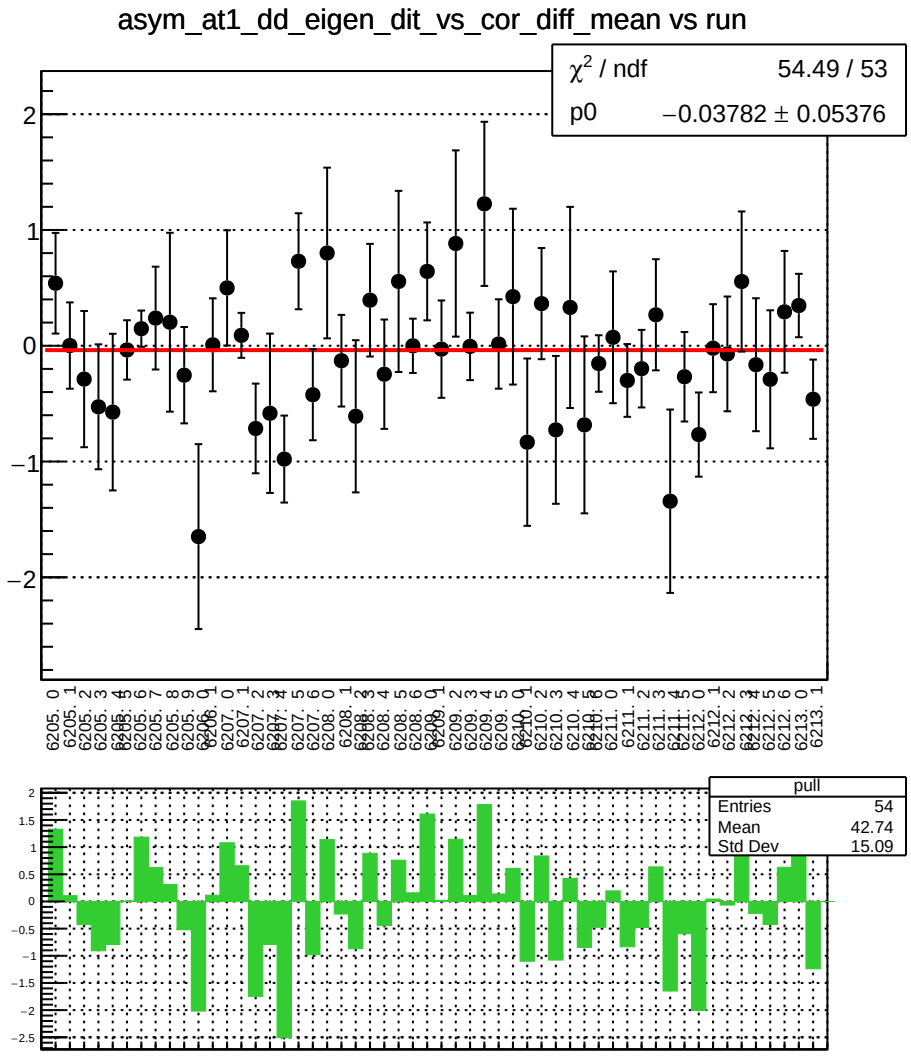
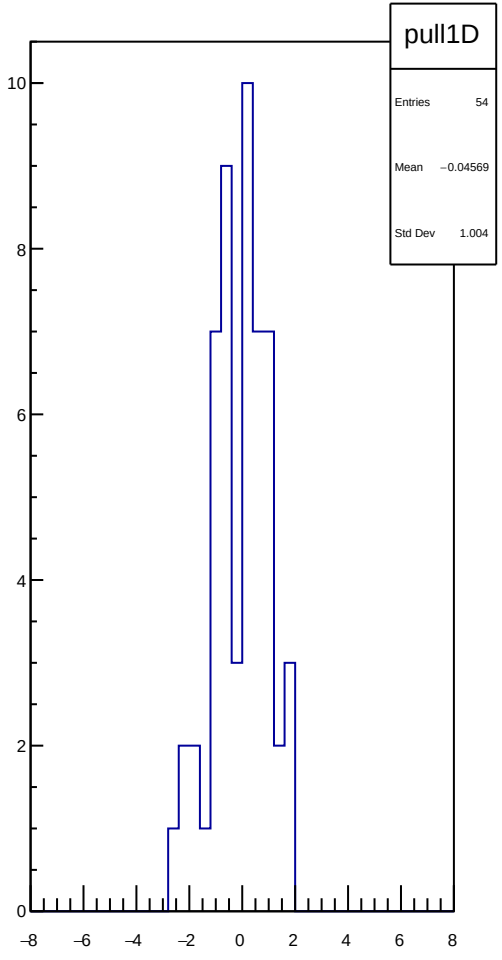
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

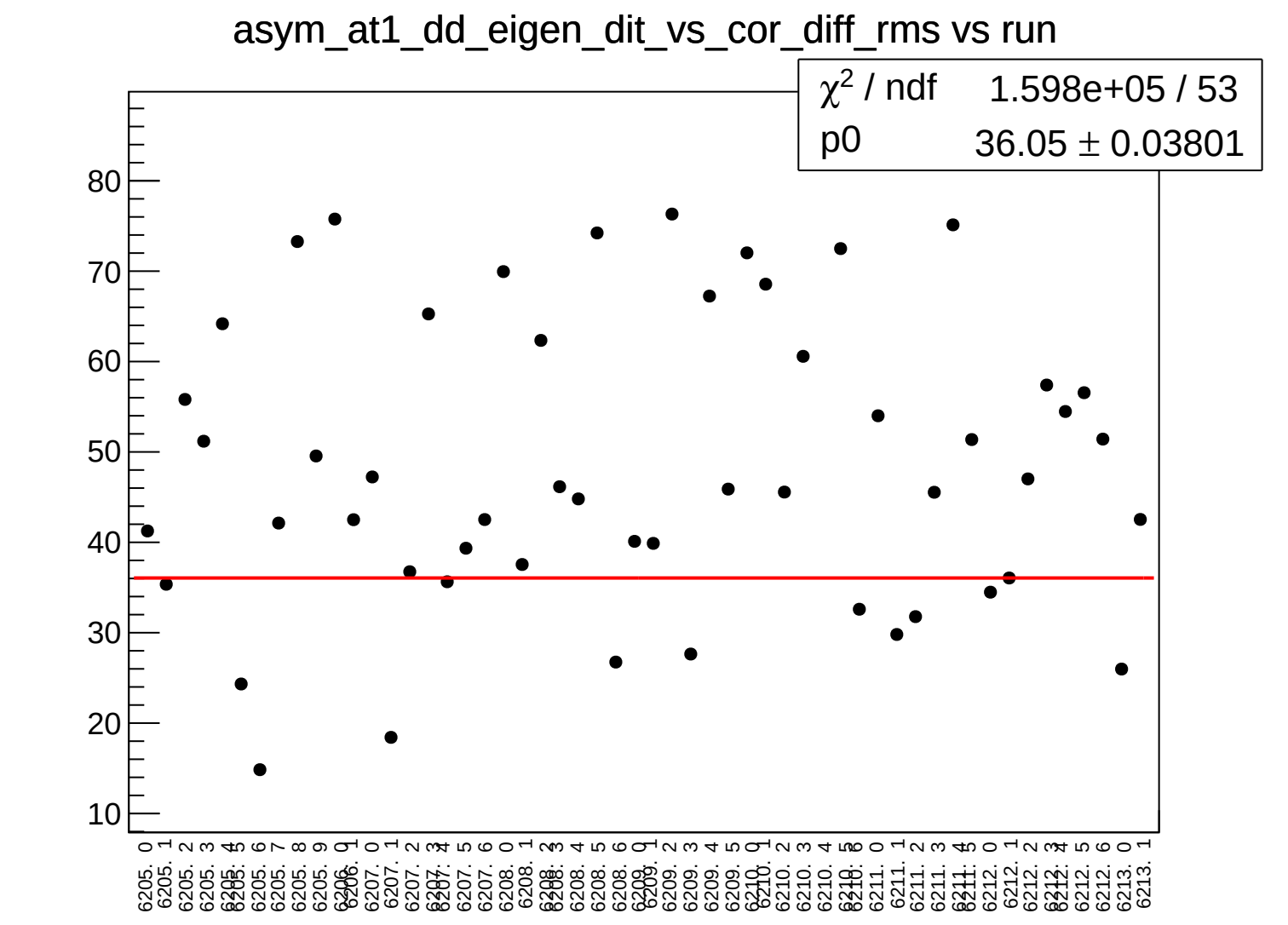

asym_at1_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 41.61 / 53
p0 3.274e−07 ± 1.509e−06
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
pull
Entries 54
Mean −19.54
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

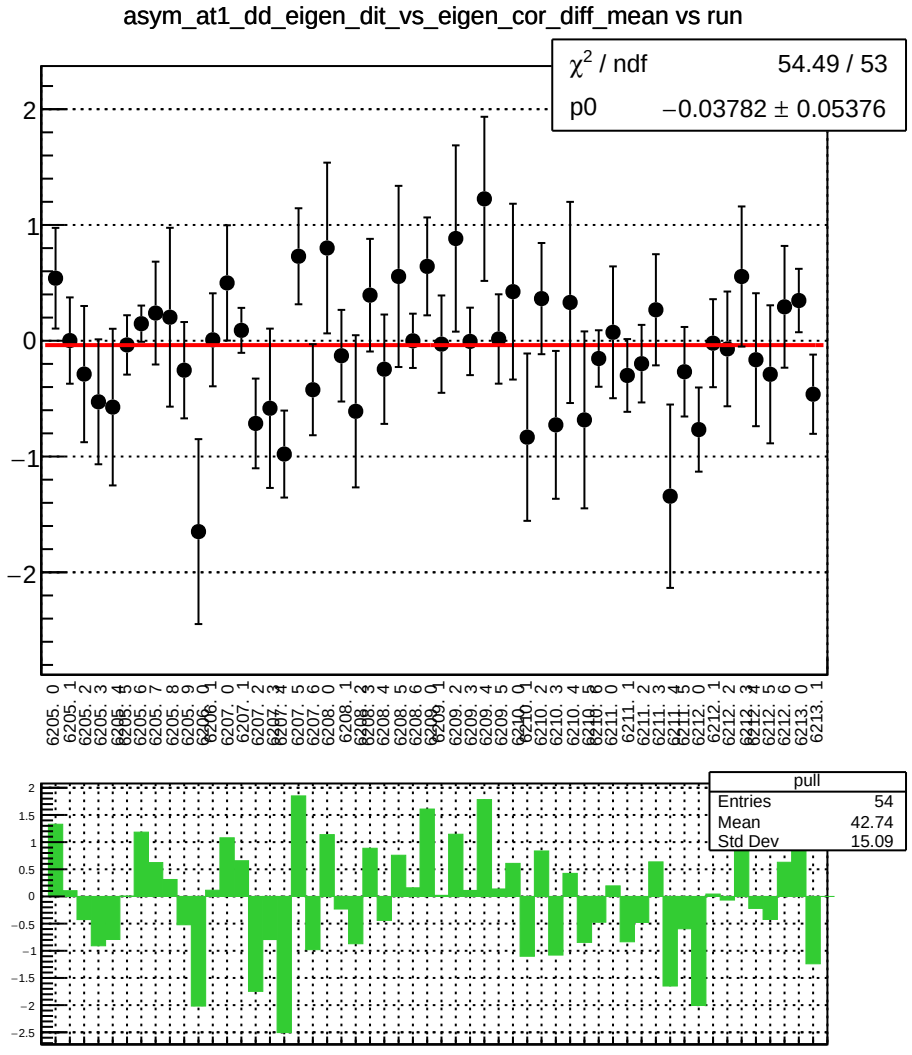

pull1D
Entries 54
Mean 0.01619
Std Dev 0.8777
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

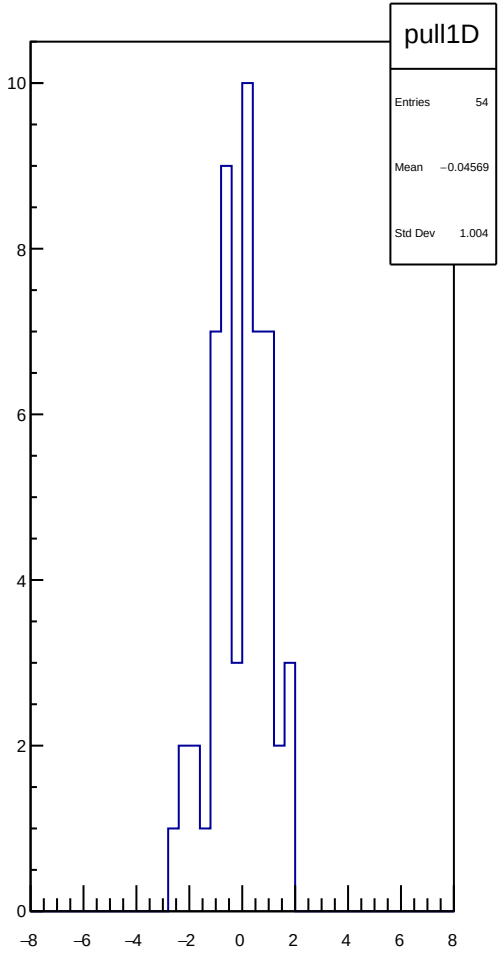

asym_at1_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2333 / 53
p0 0.001097 ± 1.067e−06
0.00125
0.0012
0.00115
0.0011
0.00105
0.001
0.00095

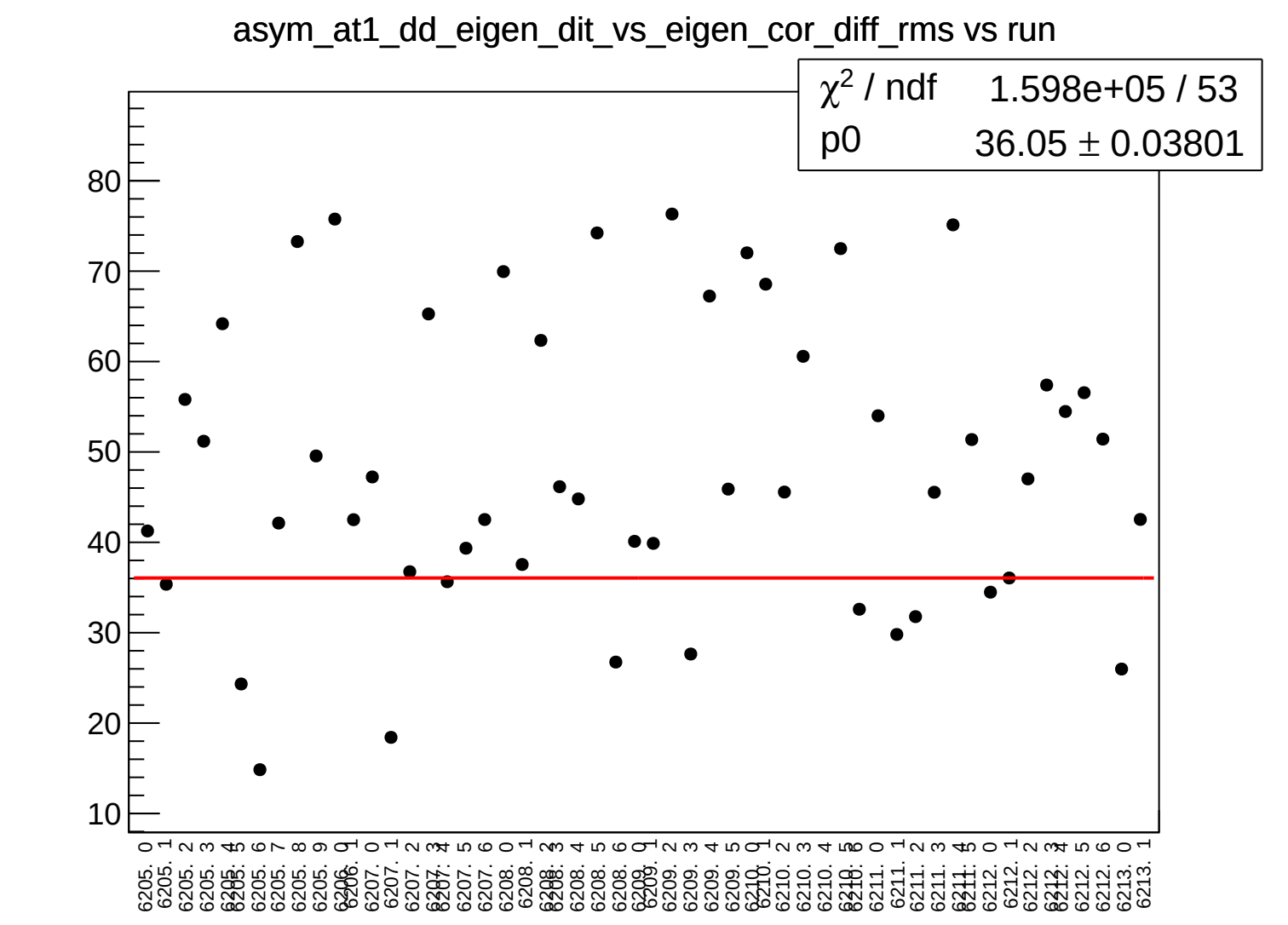

asym_at1_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 54.49 / 53
p0 −0.03782 ± 0.05376
pull
Entries 54
Mean 42.74
Std Dev 15.09

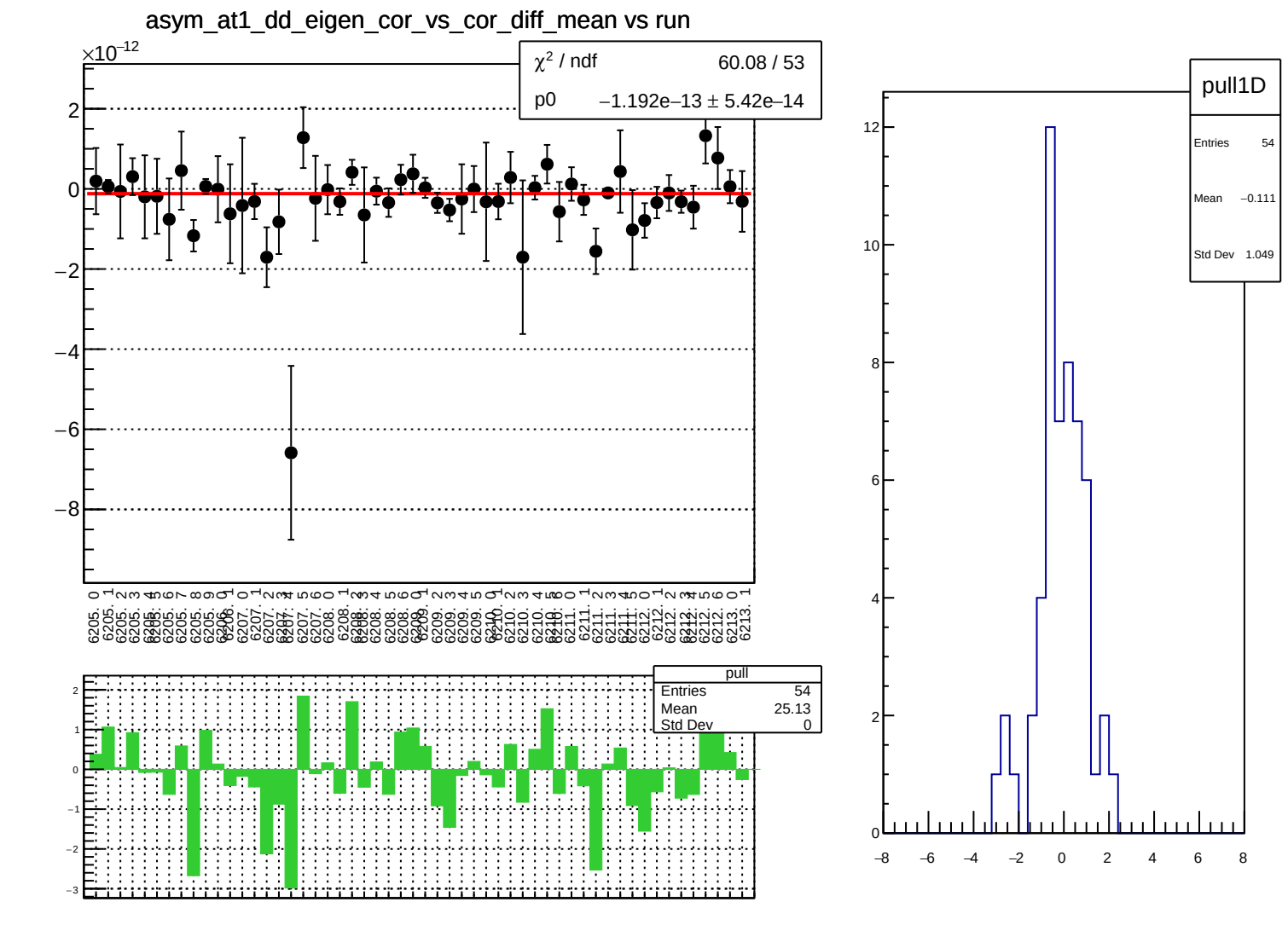

pull1D
Entries 54
Mean −0.04569
Std Dev 1.004

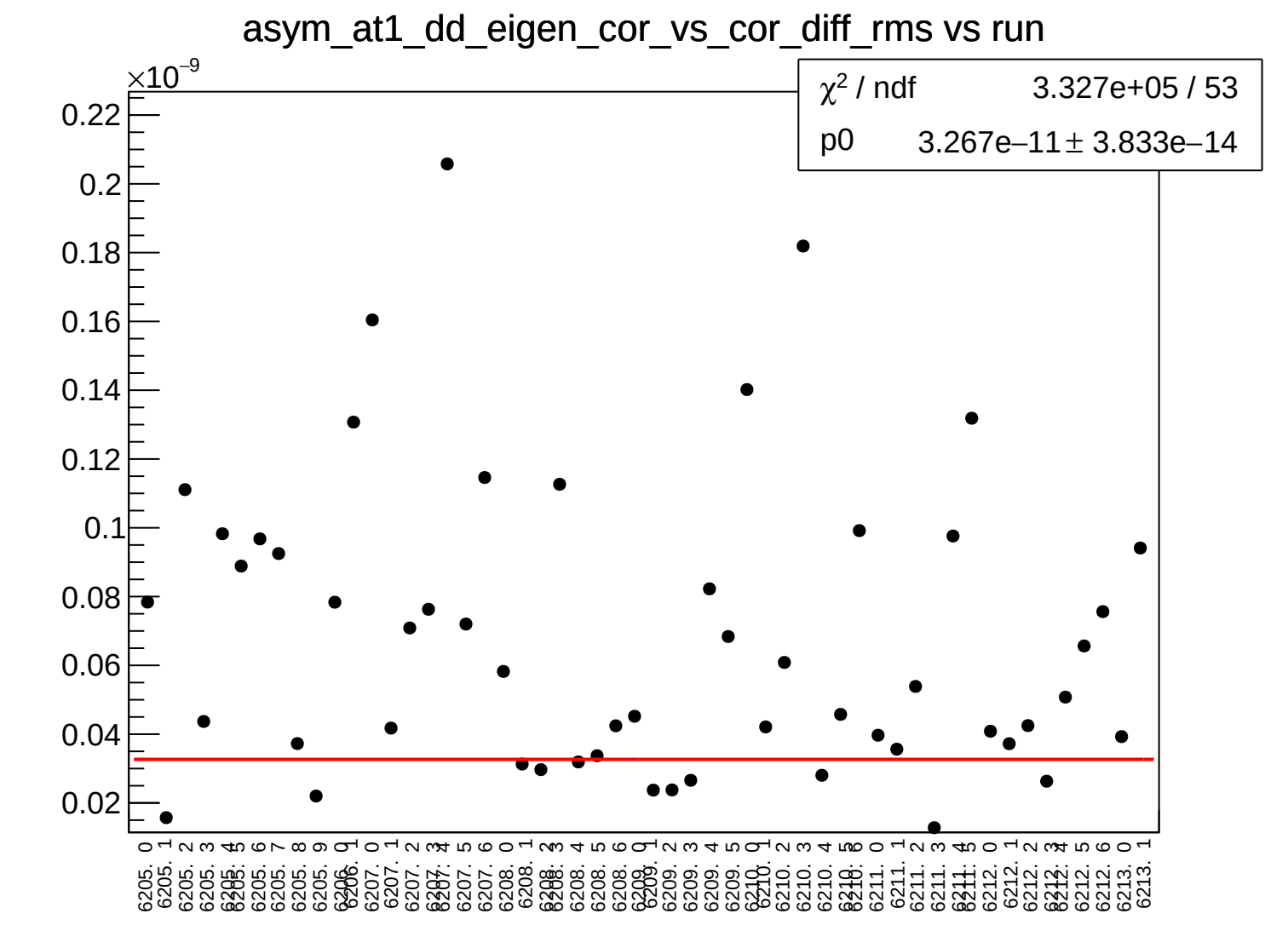

asym_at1_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.598e+05 / 53
p0 36.05 ± 0.03801
80
70
60
50
40
30
20
10
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

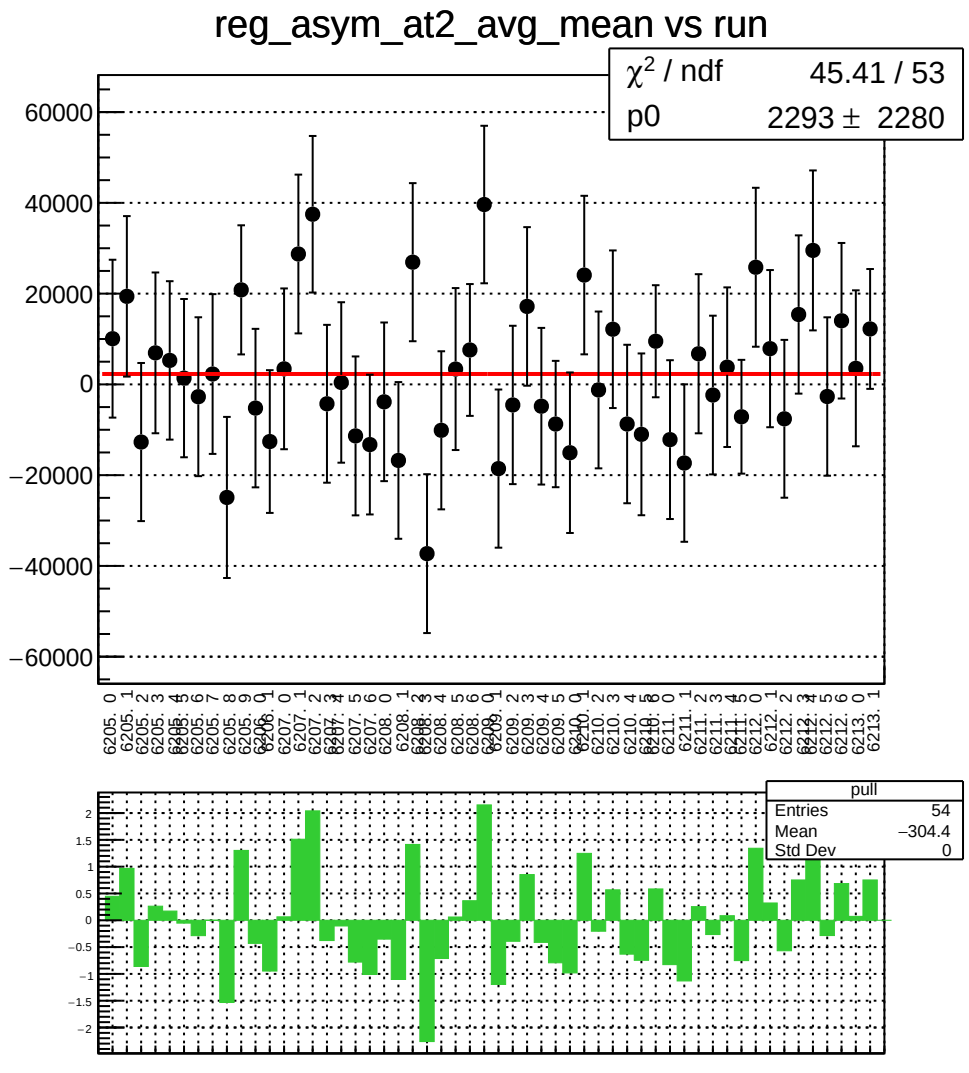

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 54.49 / 53
p0 −0.03782 ± 0.05376
pull
Entries 54
Mean 42.74
Std Dev 15.09

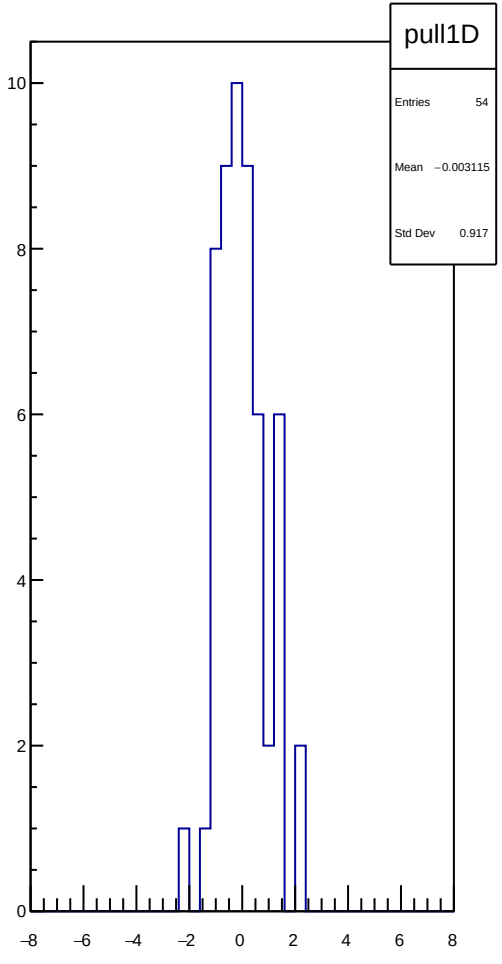

pull1D
Entries 54
Mean −0.04569
Std Dev 1.004

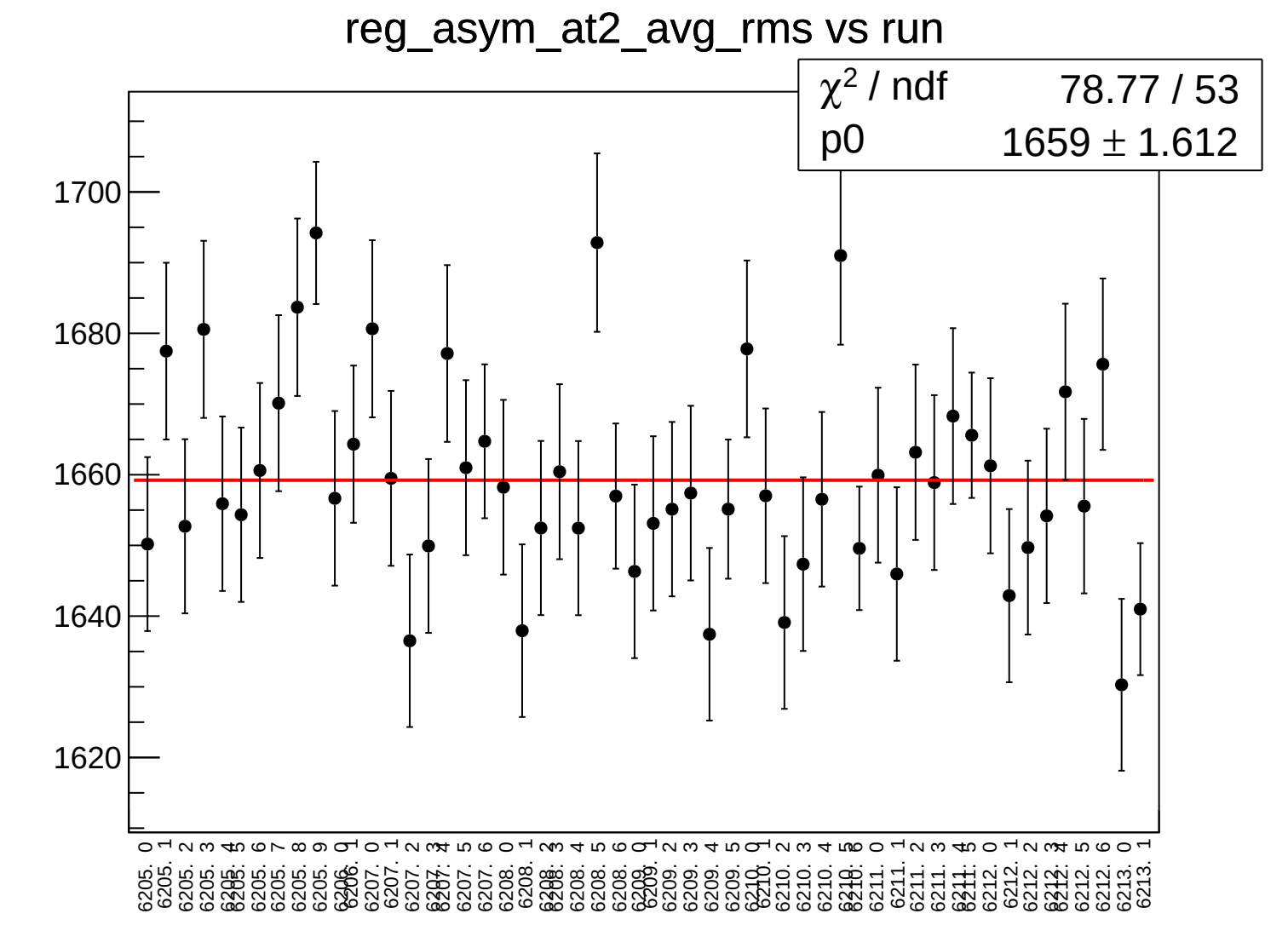

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.598e+05 / 53
p0 36.05 ± 0.03801
80
70
60
50
40
30
20
10
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

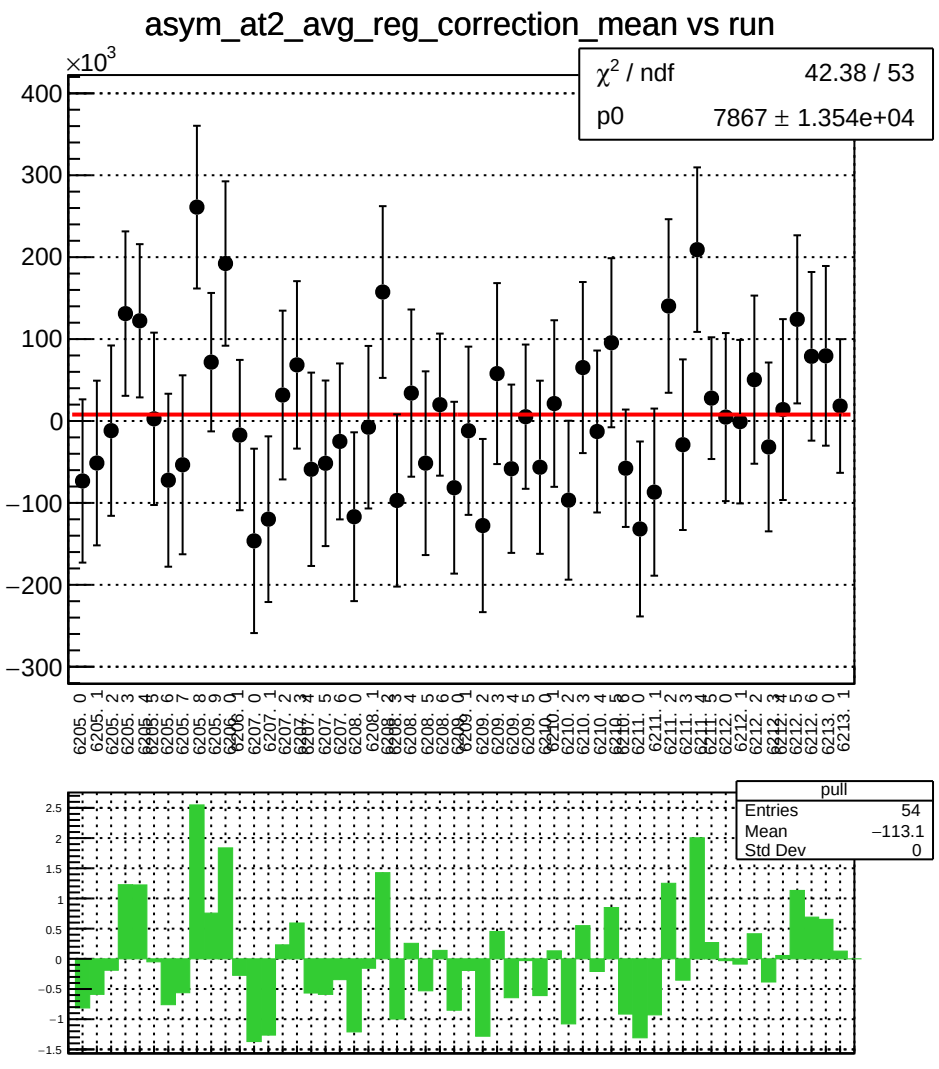

asym_at1_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 60.08 / 53
p0 −1.192e−13 ± 5.42e−14
pull
Entries 54
Mean 25.13
Std Dev 0
pull1D
Entries 54
Mean −0.111
Std Dev 1.049

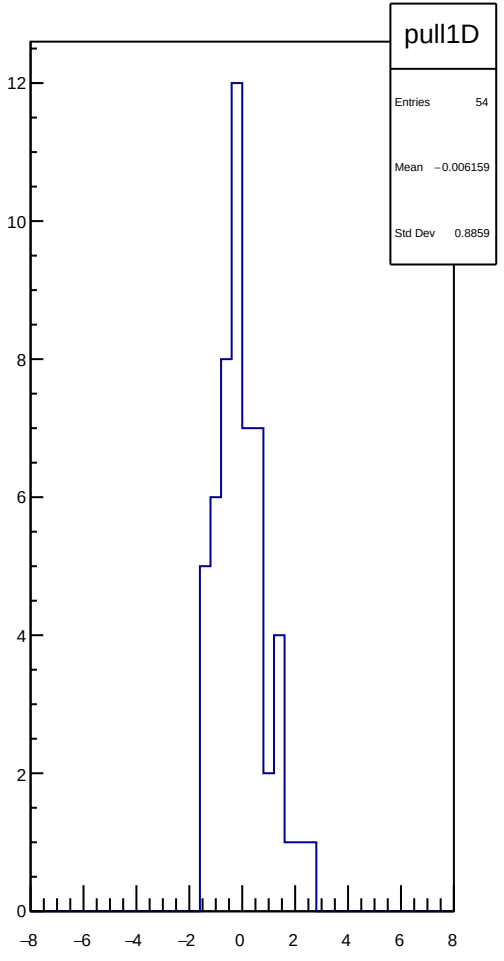

asym_at1_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.327e+05 / 53
p0 3.267e−11 ± 3.833e−14
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6211. 0
6211. 1
6211. 2
6211. 3
6211. 5
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

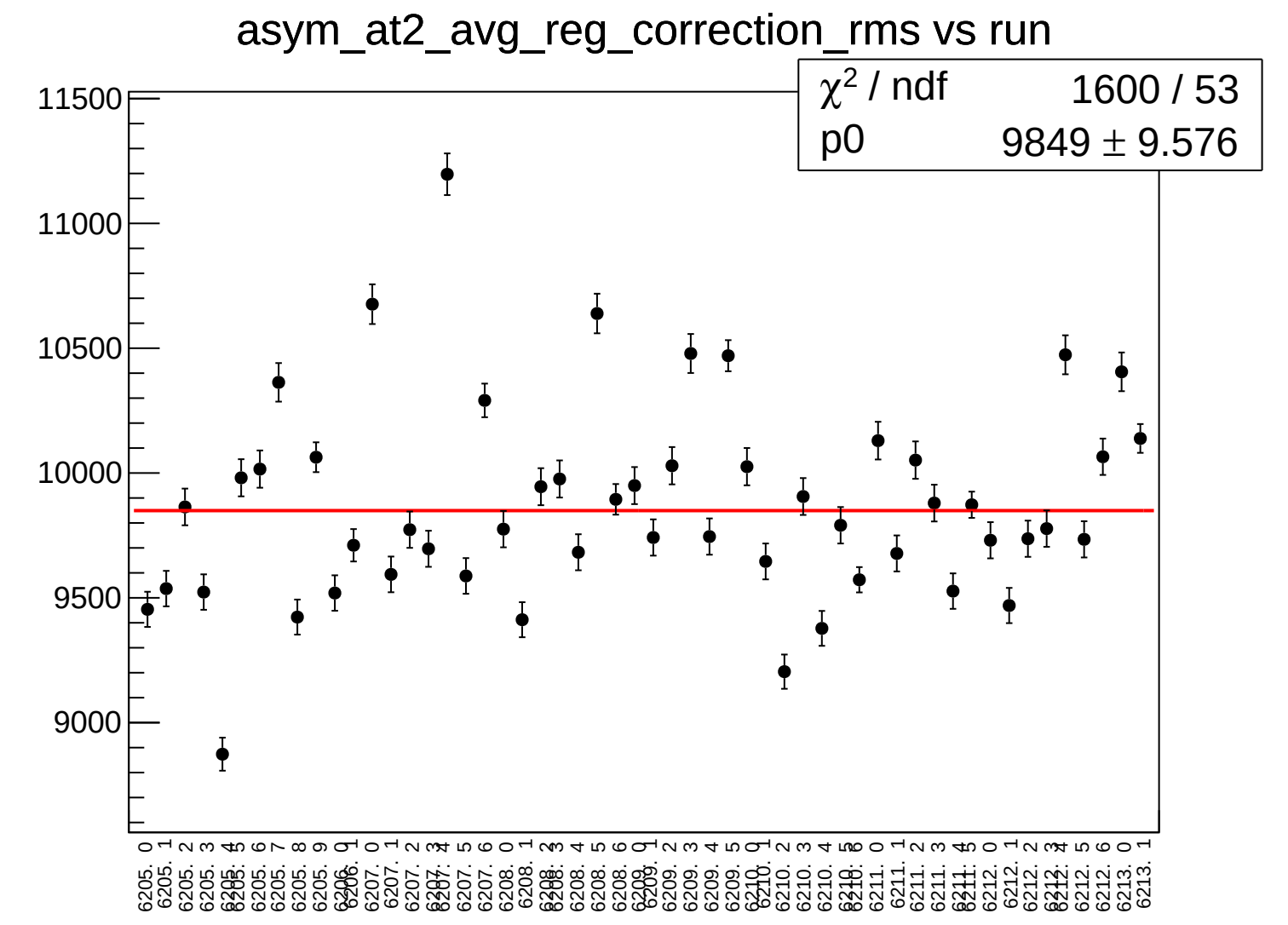

reg_asym_at2_avg_mean vs run
χ² / ndf 45.41 / 53
p0 2293 ± 2280
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean −304.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

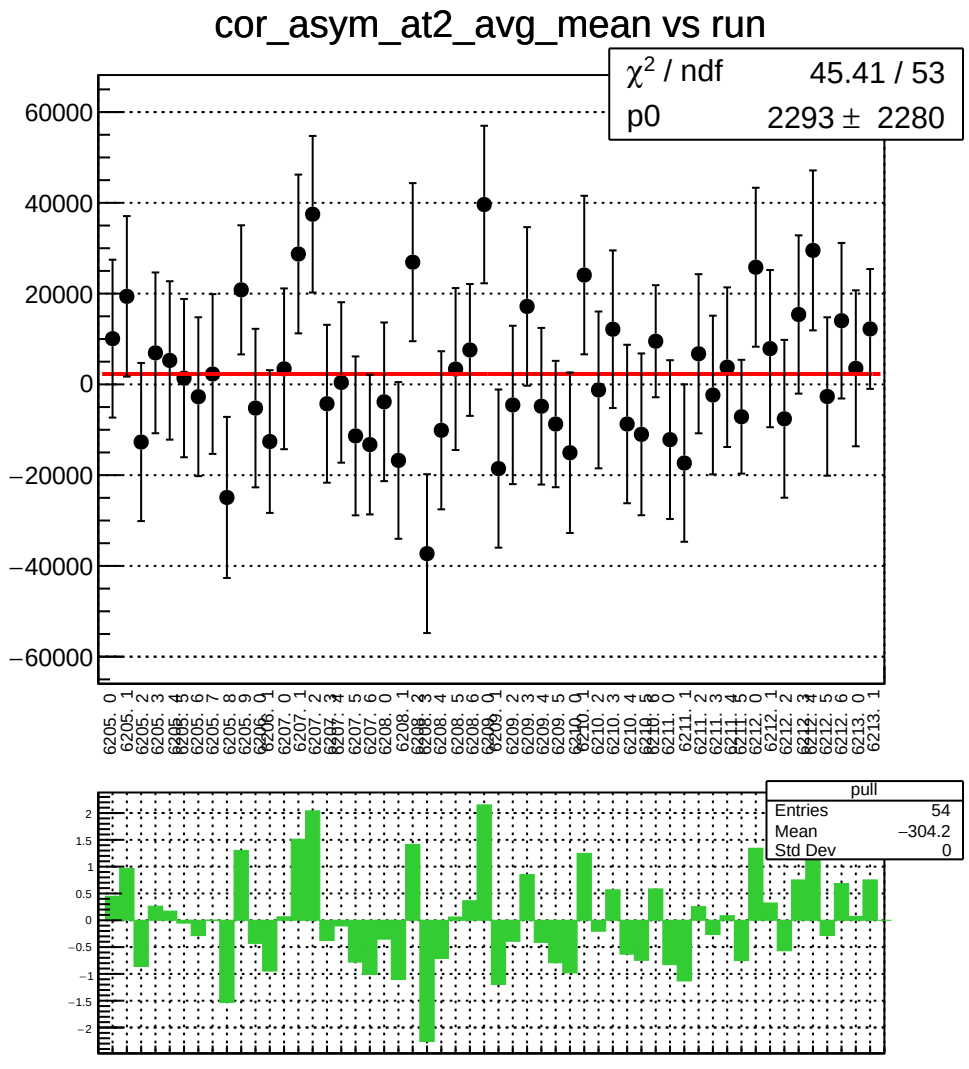

pull1D
Entries 54
Mean −0.003115
Std Dev 0.917
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

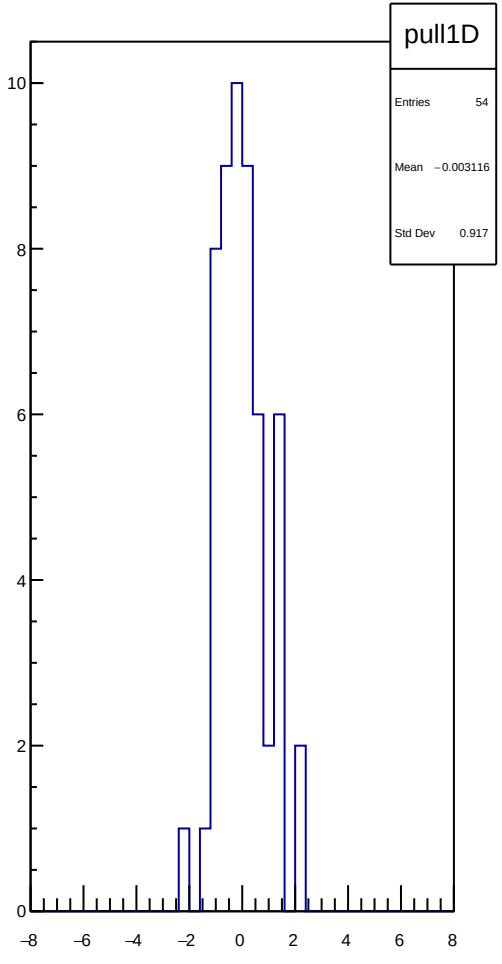

reg_asym_at2_avg_rms vs run
χ² / ndf 78.77 / 53
p0 1659 ± 1.612
1700
1680
1660
1640
1620
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

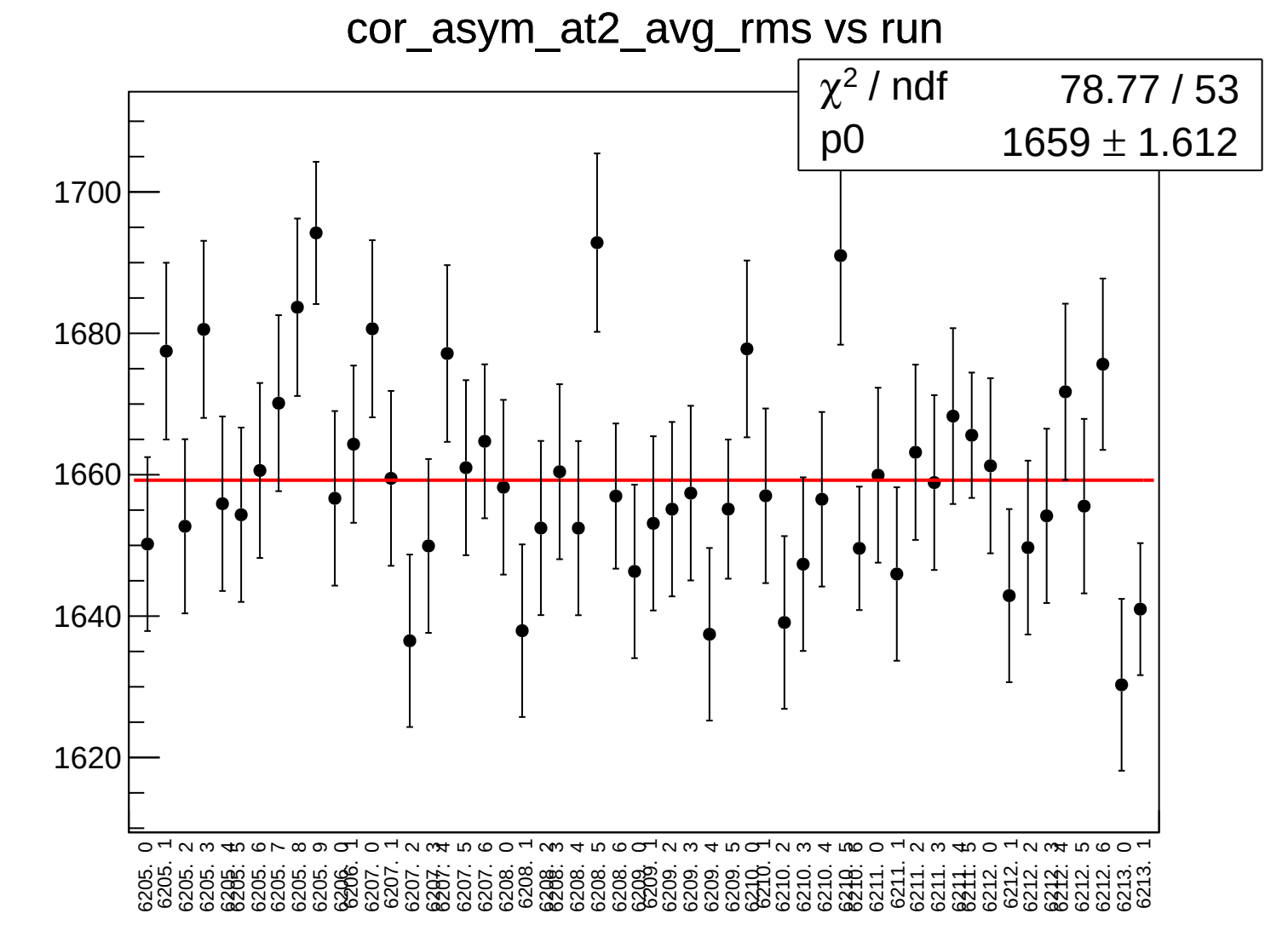

asym_at2_avg_reg_correction_mean vs run
×10^3
χ² / ndf 42.38 / 53
p0 7867 ± 1.354e+04
pull
Entries 54
Mean −113.1
Std Dev 0

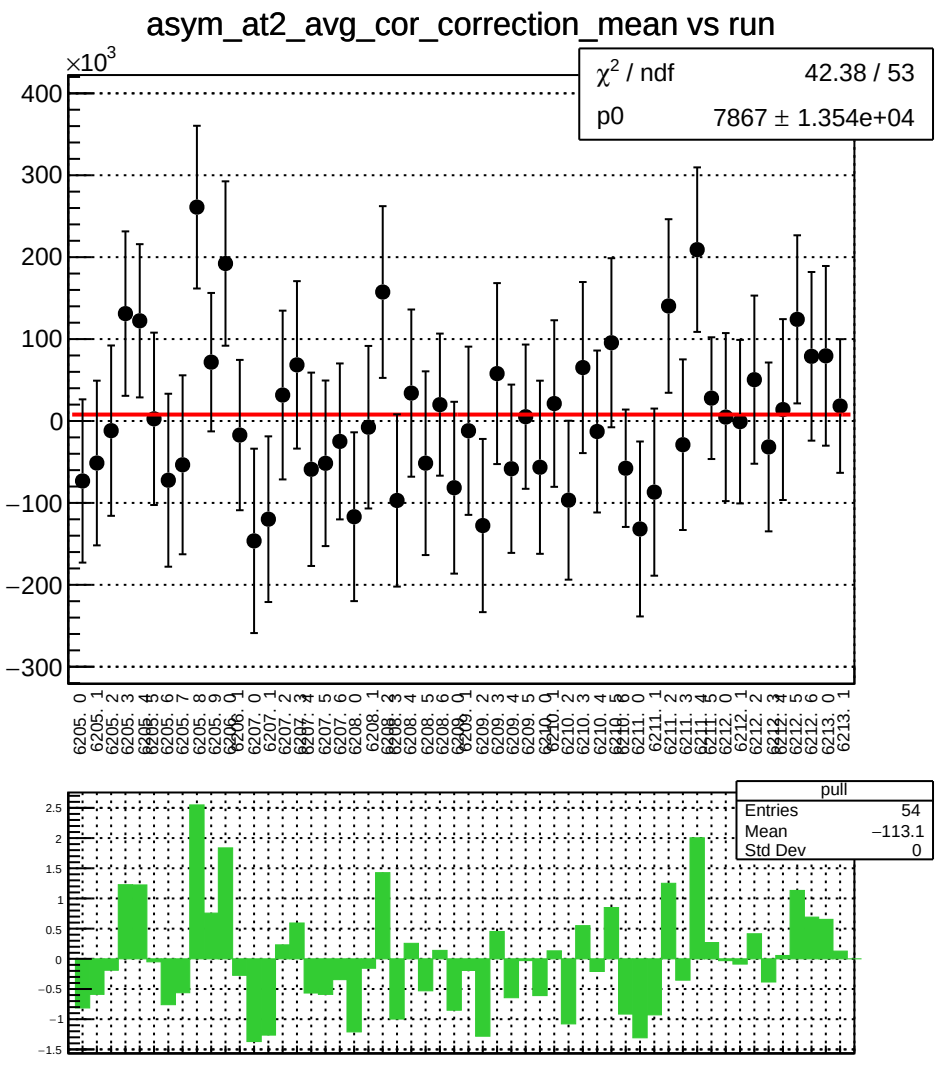

pull1D
Entries 54
Mean −0.006159
Std Dev 0.8859

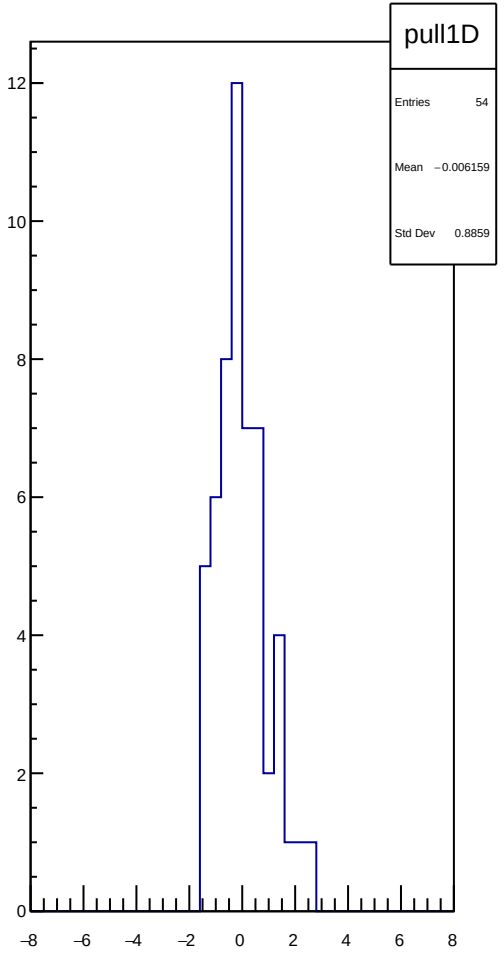

asym_at2_avg_reg_correction_rms vs run
χ² / ndf 1600 / 53
p0 9849 ± 9.576
11500
11000
10500
10000
9500
9000
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

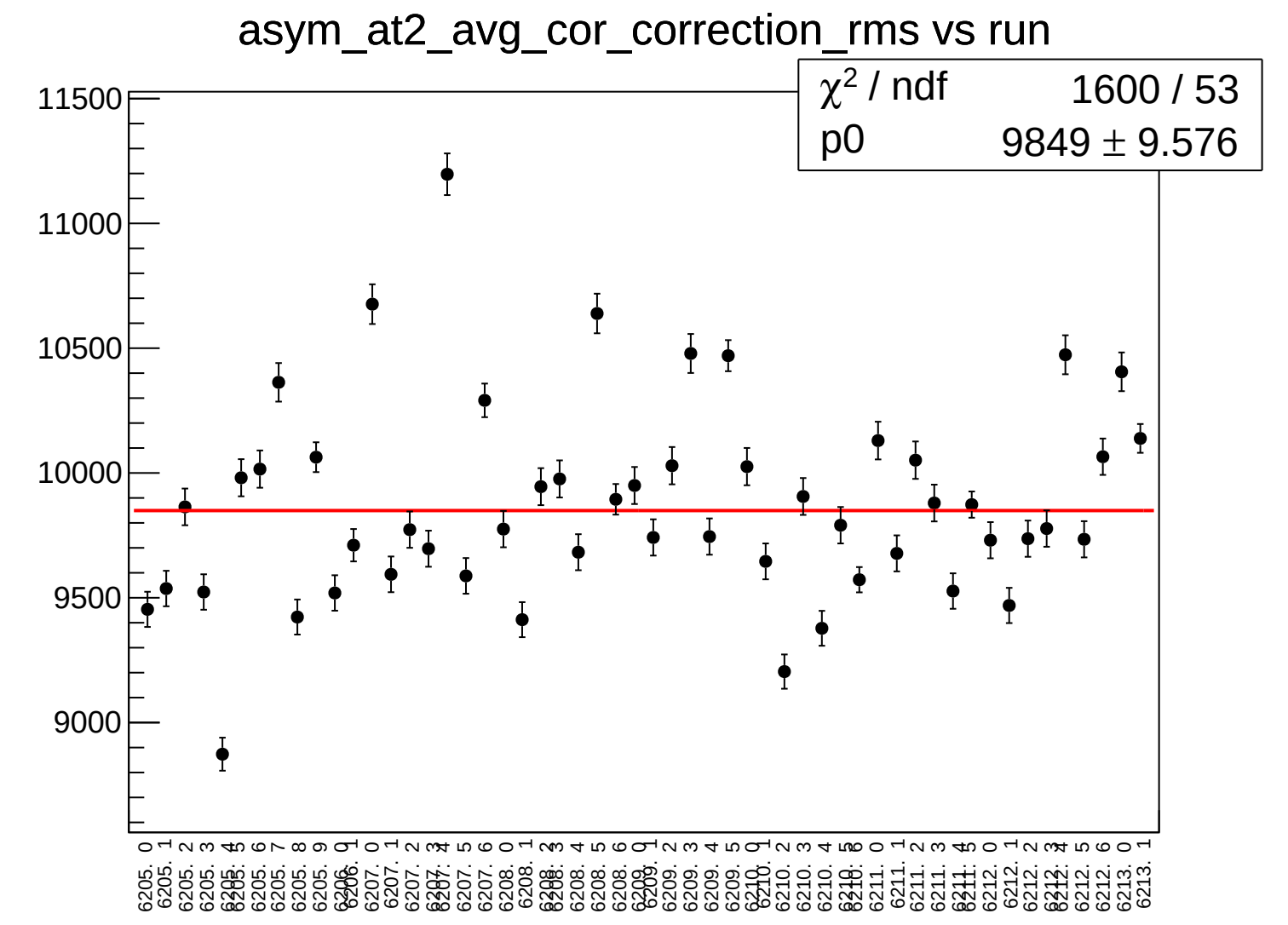

cor_asym_at2_avg_mean vs run
χ² / ndf 45.41 / 53
p0 2293 ± 2280
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean −304.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

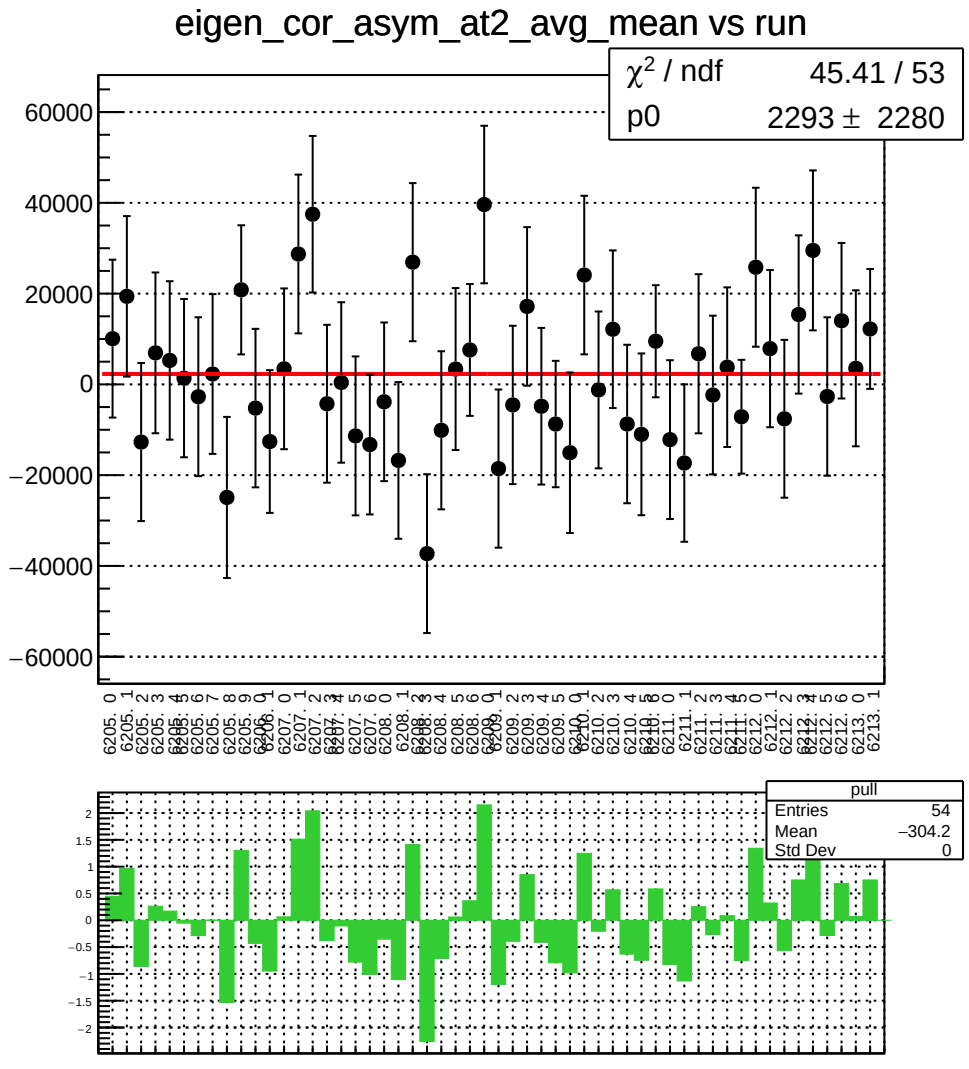

pull1D
Entries 54
Mean −0.003116
Std Dev 0.917
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

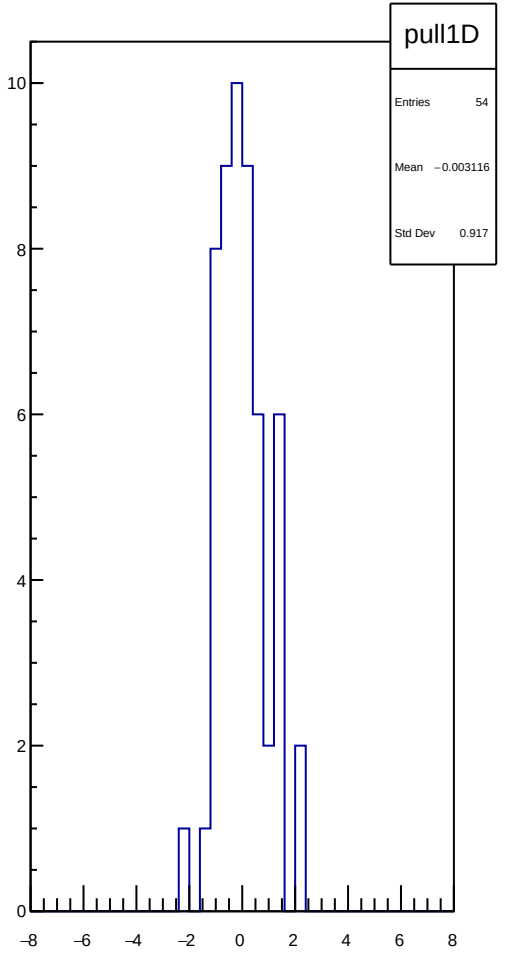

cor_asym_at2_avg_rms vs run
χ² / ndf 78.77 / 53
p0 1659 ± 1.612
1700
1680
1660
1640
1620
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

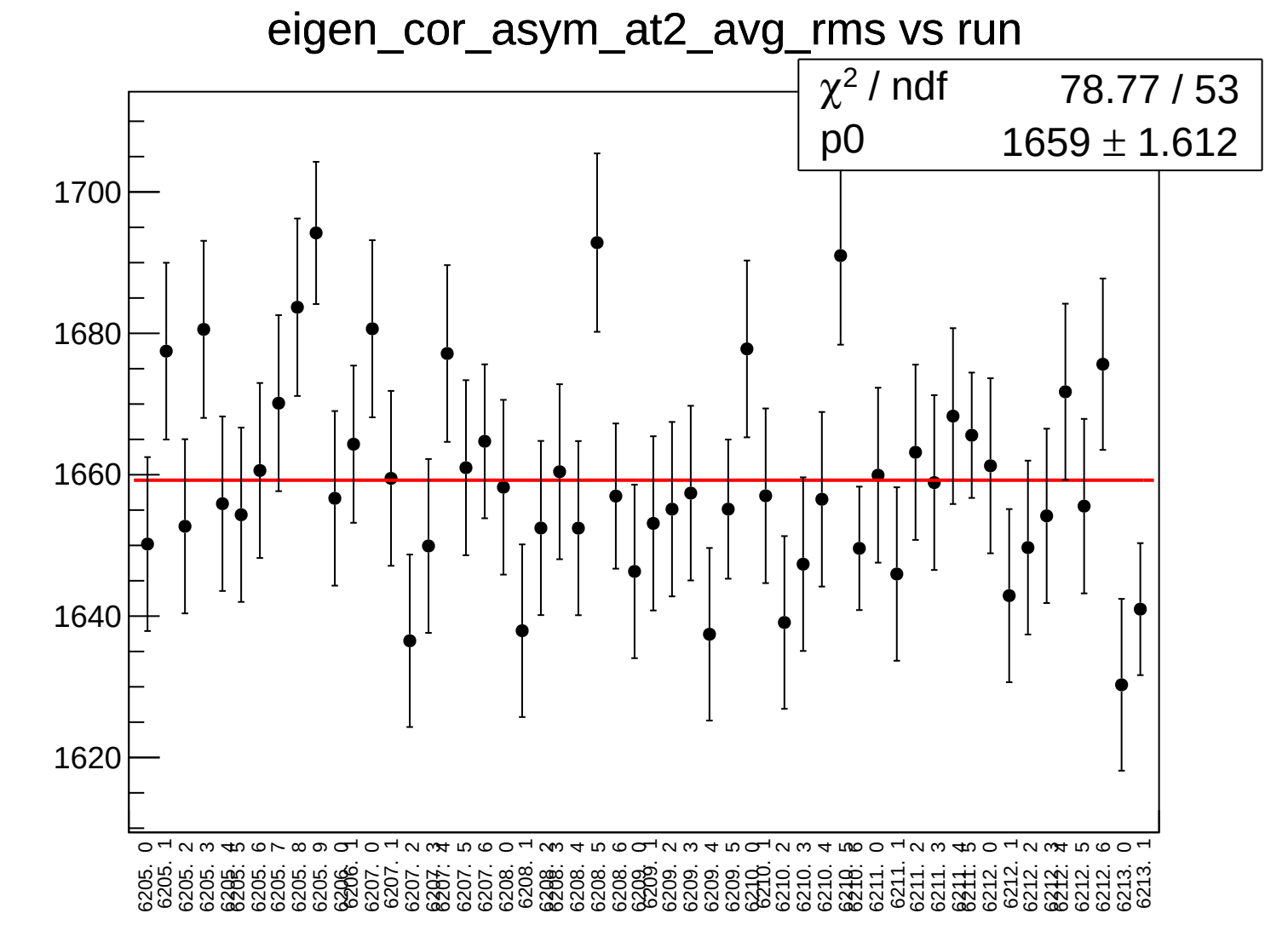

asym_at2_avg_cor_correction_mean vs run
×10^3
χ² / ndf 42.38 / 53
p0 7867 ± 1.354e+04
pull
Entries 54
Mean −113.1
Std Dev 0

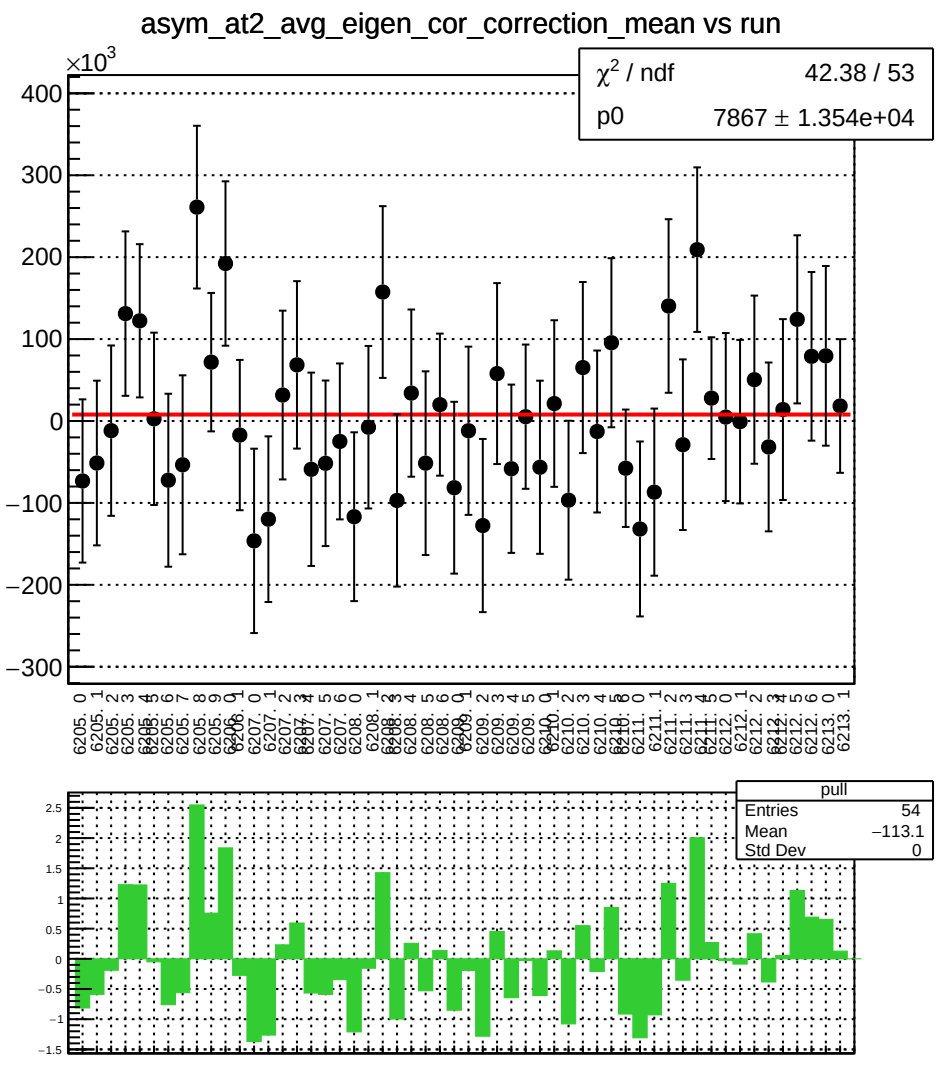

pull1D
Entries 54
Mean −0.006159
Std Dev 0.8859

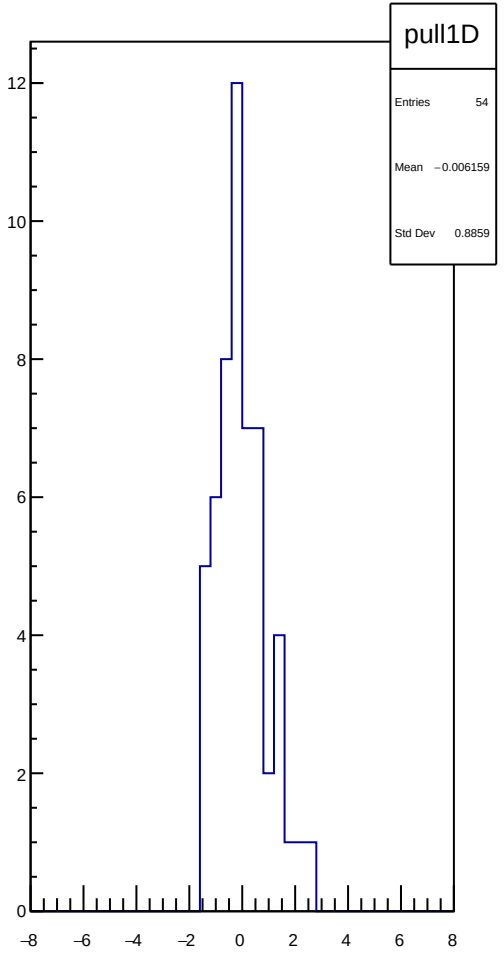

asym_at2_avg_cor_correction_rms vs run
χ² / ndf 1600 / 53
p0 9849 ± 9.576
11500
11000
10500
10000
9500
9000

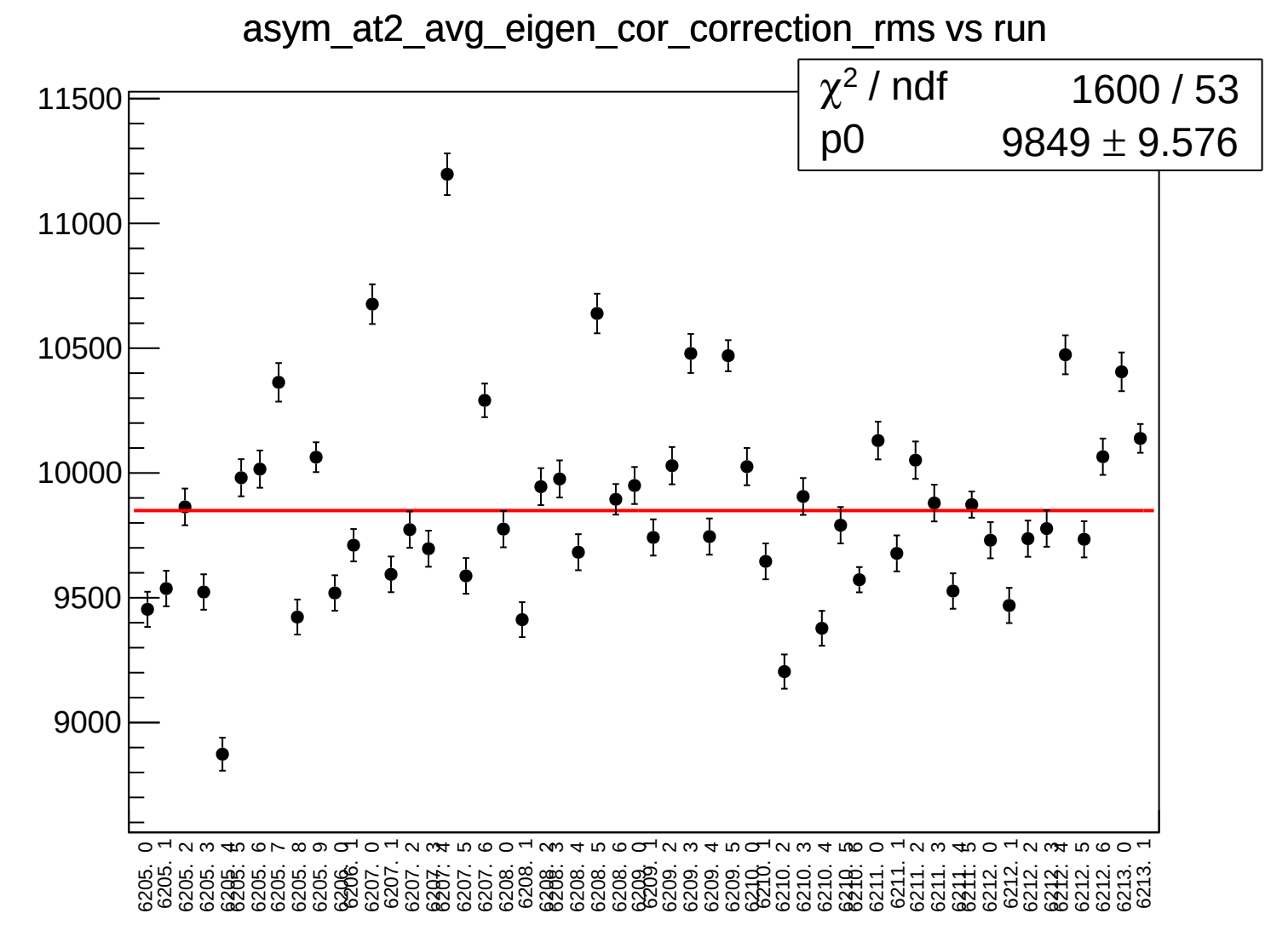

eigen_cor_asym_at2_avg_mean vs run
χ² / ndf 45.41 / 53
p0 2293 ± 2280
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean −304.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

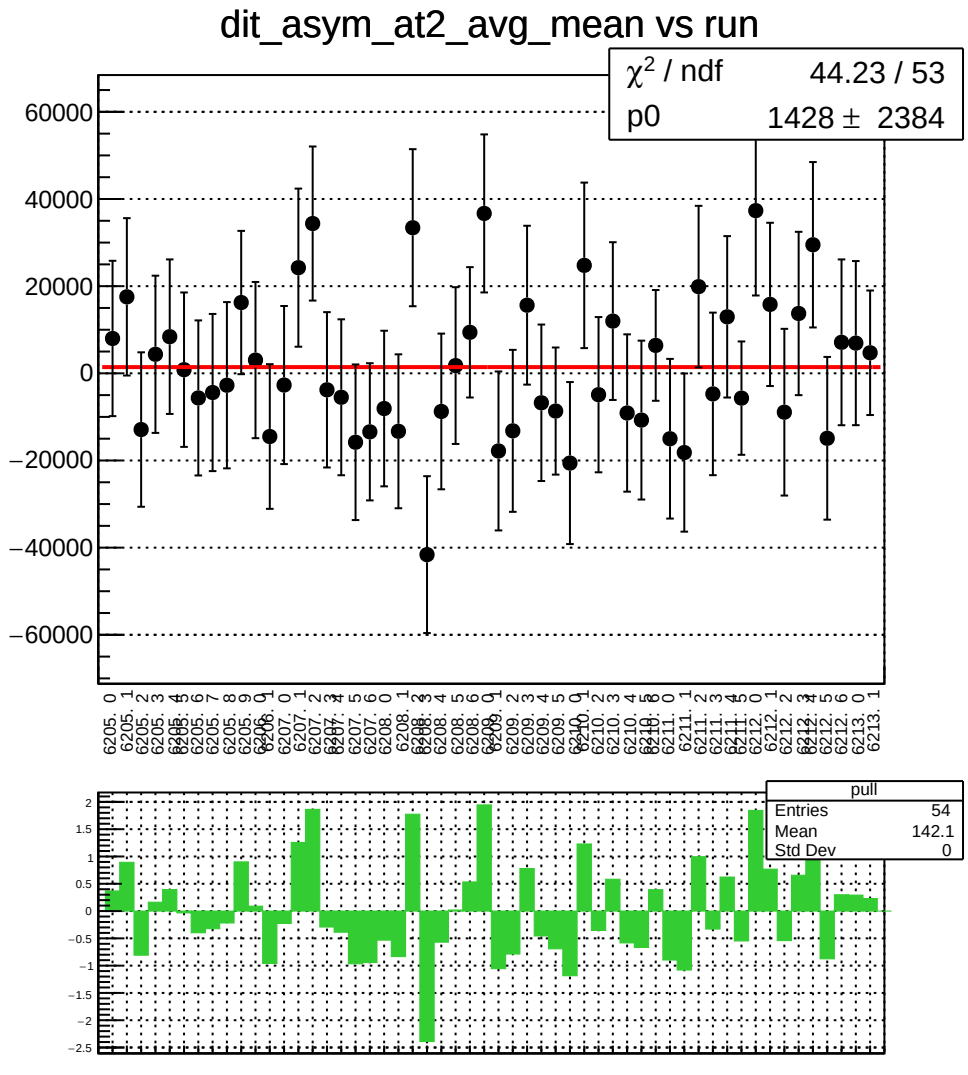

pull1D
Entries 54
Mean −0.003116
Std Dev 0.917
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

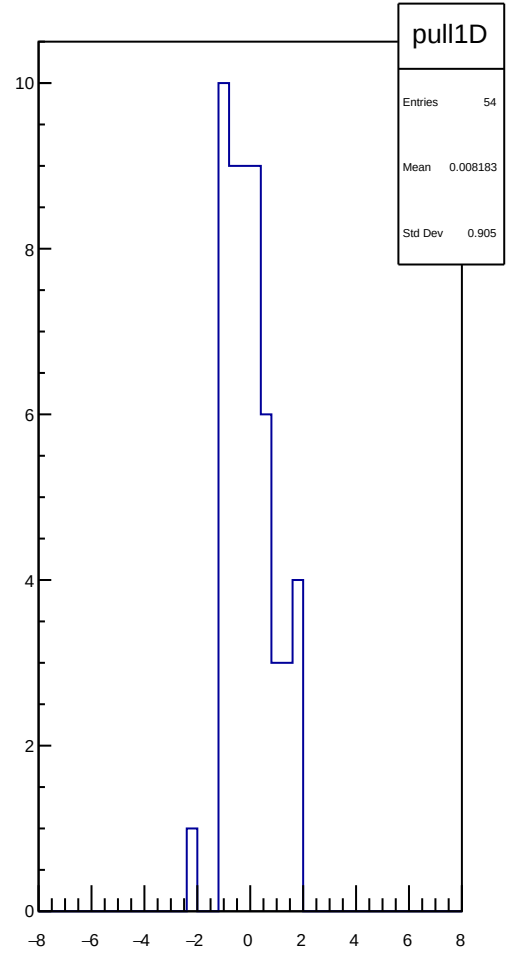

eigen_cor_asym_at2_avg_rms vs run
χ² / ndf 78.77 / 53
p0 1659 ± 1.612
1700
1680
1660
1640
1620
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

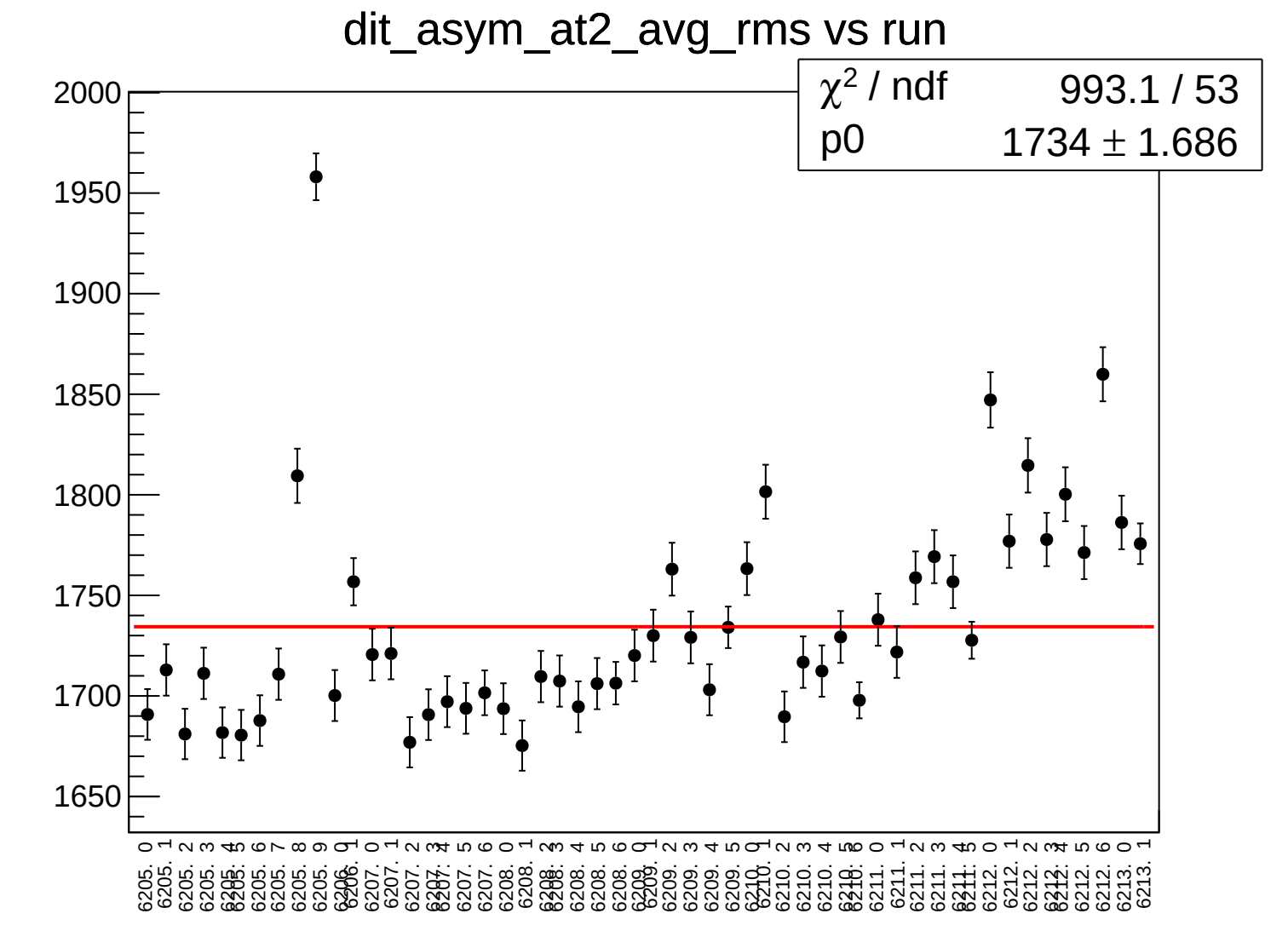

asym_at2_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 42.38 / 53
p0 7867 ± 1.354e+04
pull
Entries 54
Mean −113.1
Std Dev 0

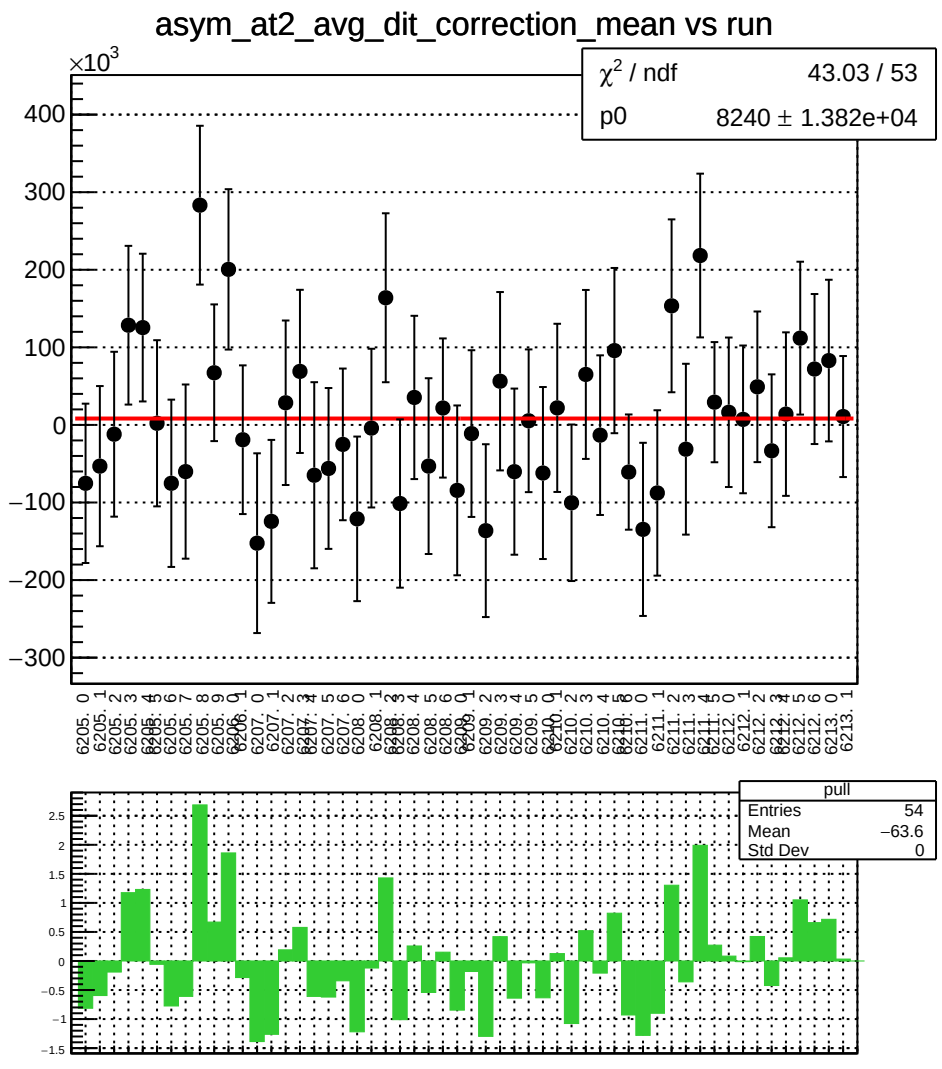

pull1D
Entries 54
Mean −0.006159
Std Dev 0.8859

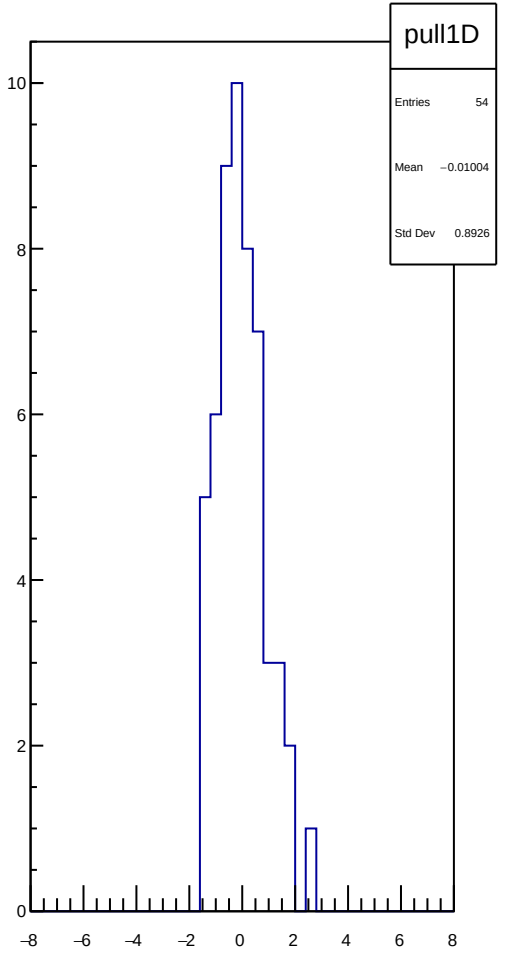

asym_at2_avg_eigen_cor_correction_rms vs run
χ² / ndf 1600 / 53
p0 9849 ± 9.576
11500
11000
10500
10000
9500
9000
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

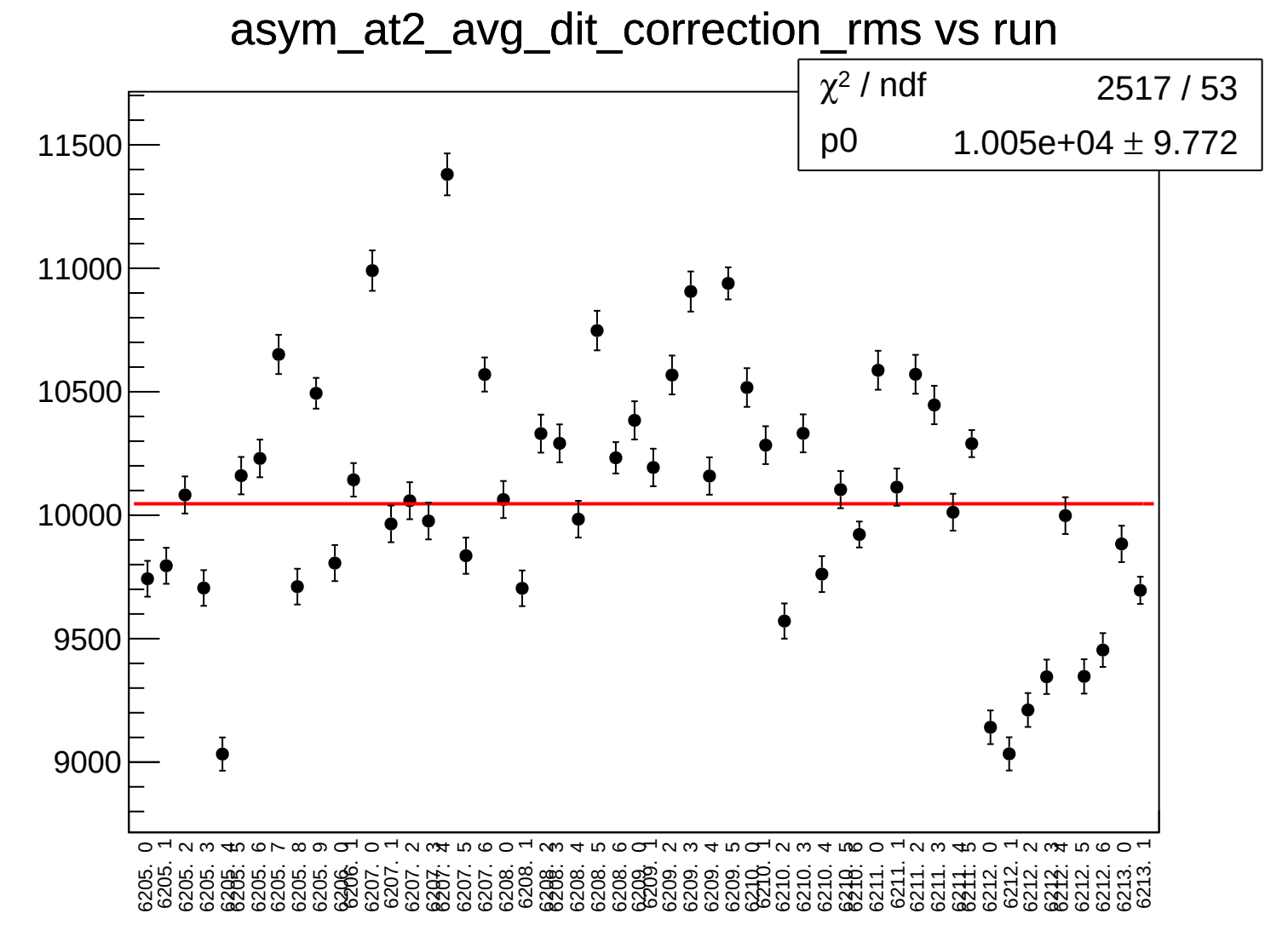

dit_asym_at2_avg_mean vs run
χ² / ndf 44.23 / 53
p0 1428 ± 2384
pull
Entries 54
Mean 142.1
Std Dev 0

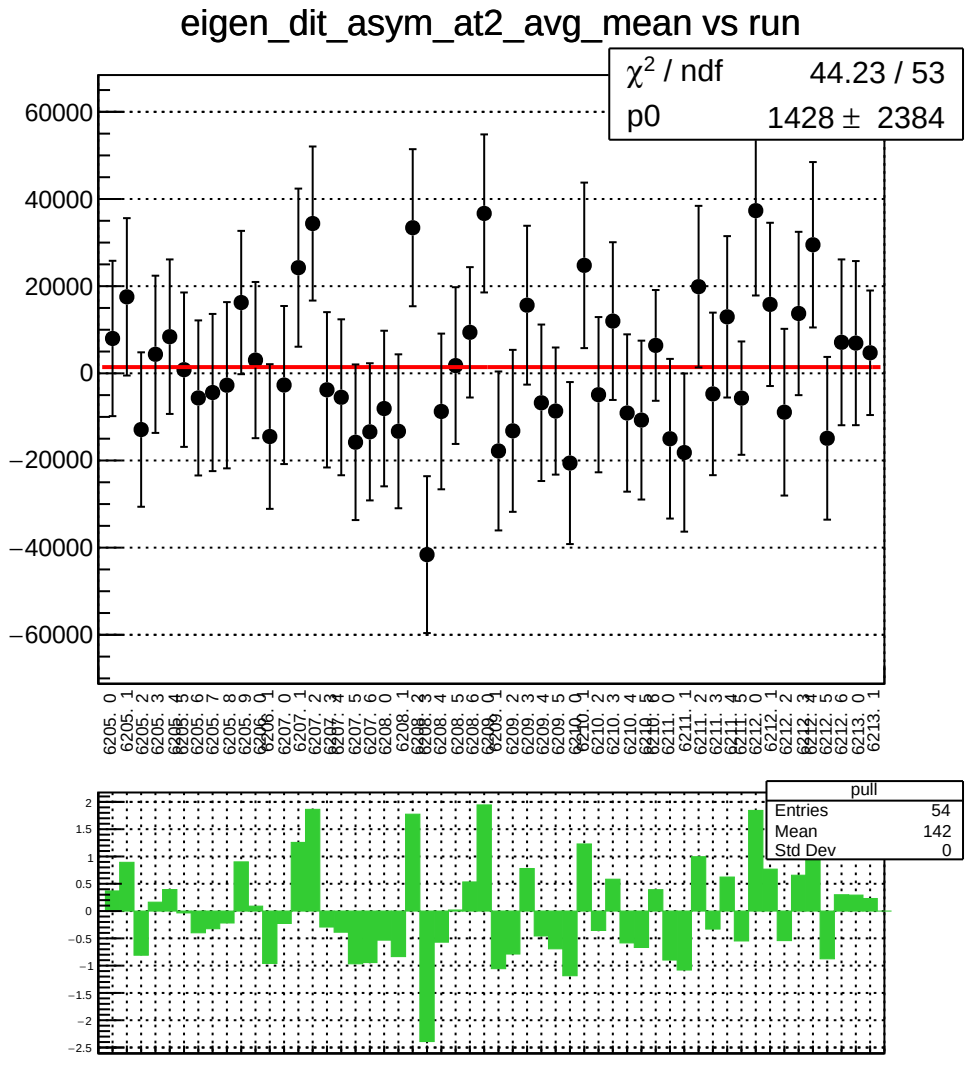

pull1D
Entries 54
Mean 0.008183
Std Dev 0.905

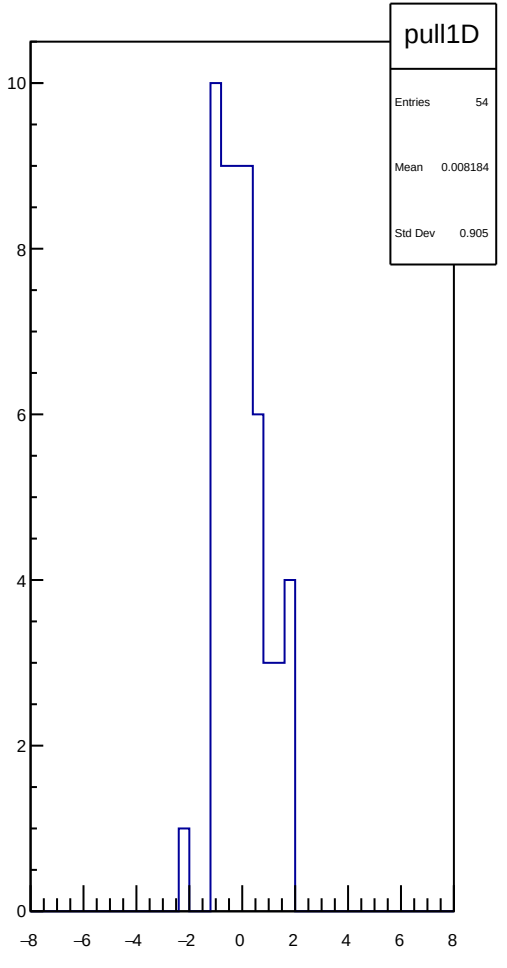

dit_asym_at2_avg_rms vs run
χ² / ndf 993.1 / 53
p0 1734 ± 1.686
2000
1950
1900
1850
1800
1750
1700
1650
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

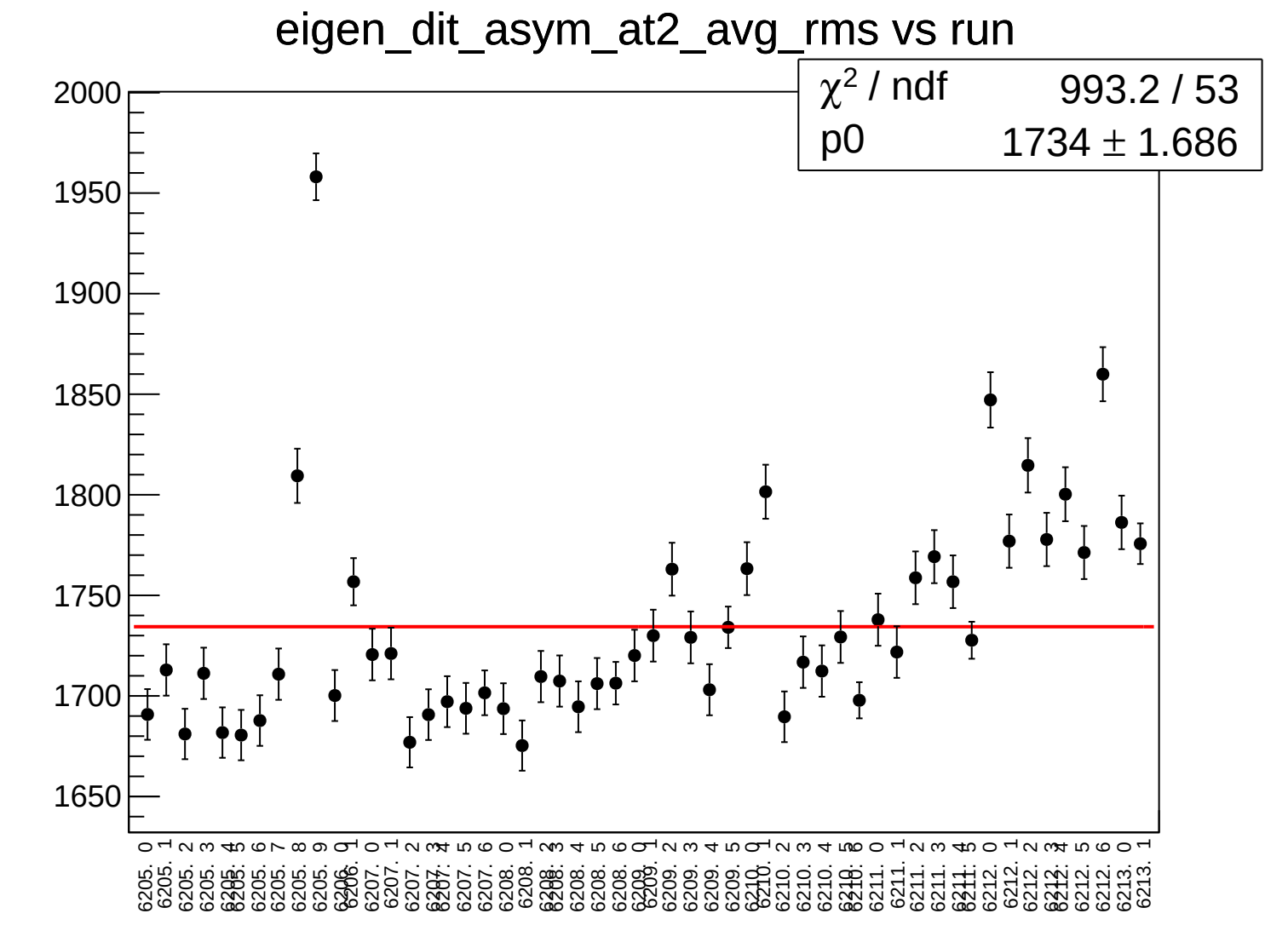

asym_at2_avg_dit_correction_mean vs run
×10^3
χ² / ndf 43.03 / 53
p0 8240 ± 1.382e+04
pull
Entries 54
Mean −63.6
Std Dev 0

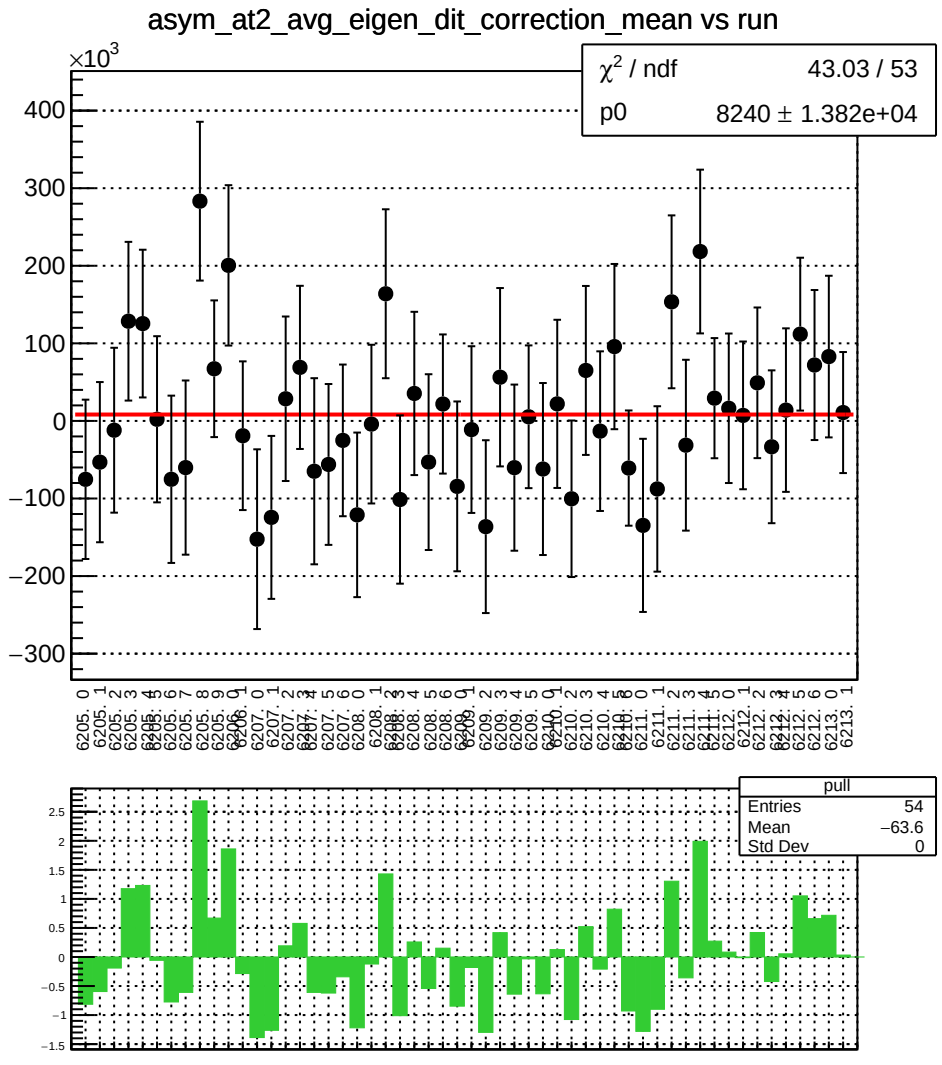

pull1D
Entries 54
Mean −0.01004
Std Dev 0.8926

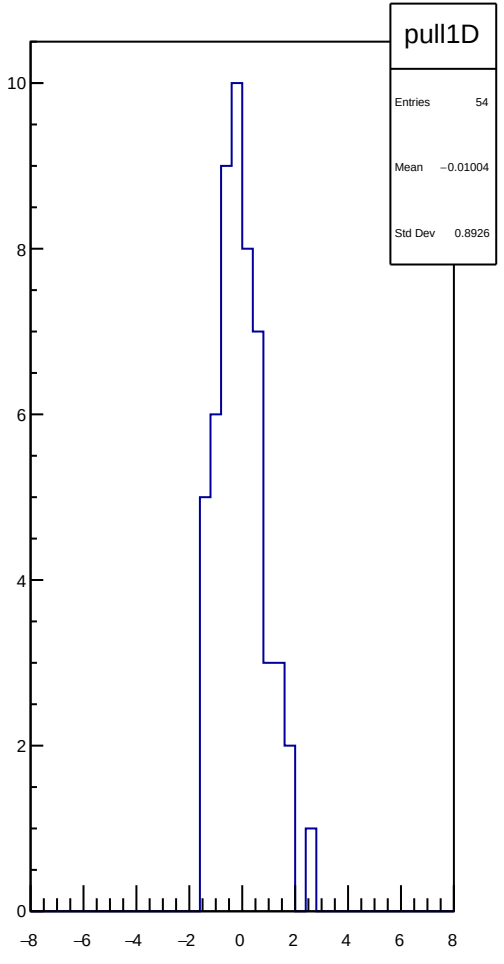

asym_at2_avg_dit_correction_rms vs run
χ² / ndf 2517 / 53
p0 1.005e+04 ± 9.772
11500
11000
10500
10000
9500
9000
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

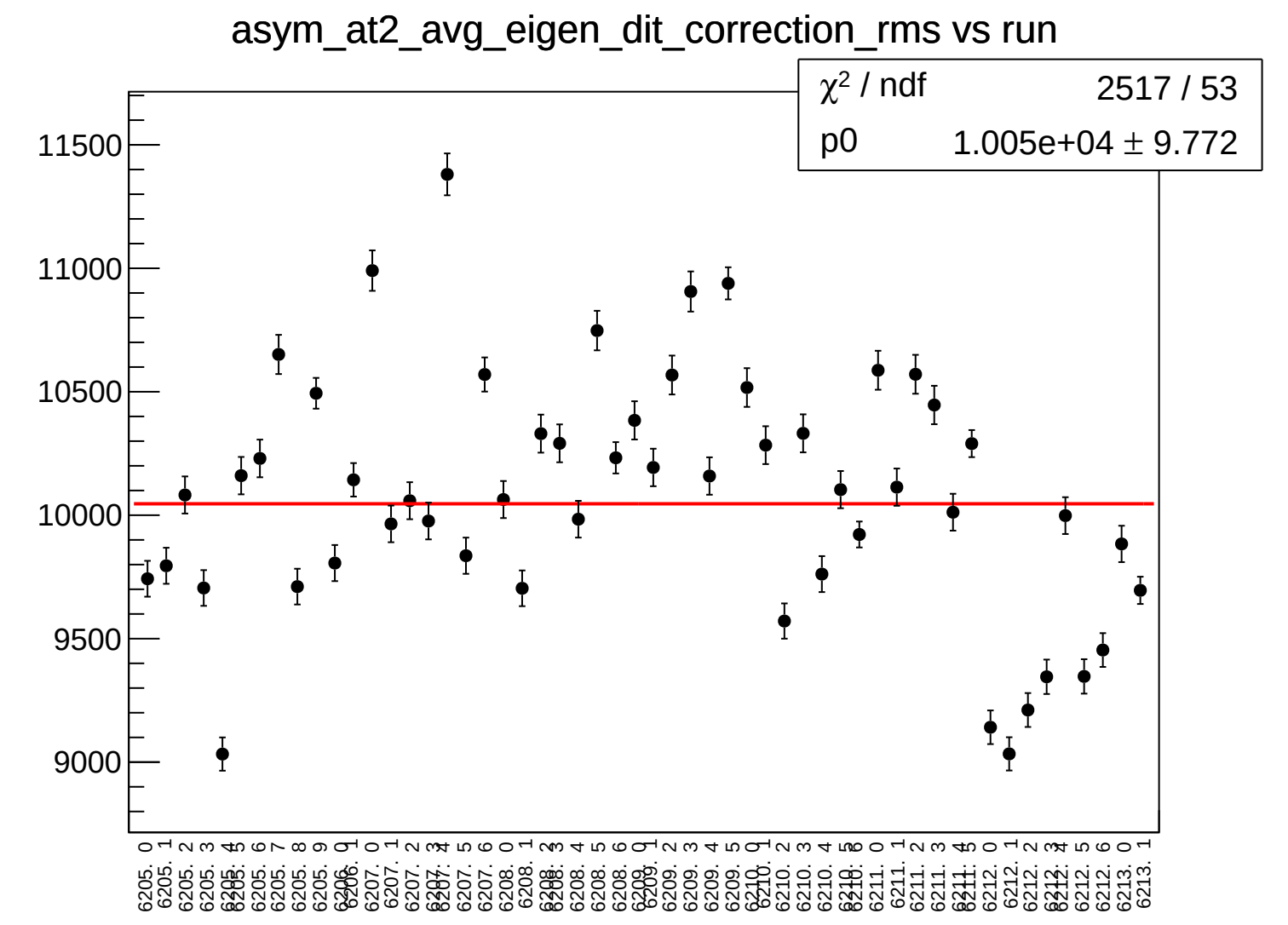

eigen_dit_asym_at2_avg_mean vs run
χ² / ndf 44.23 / 53
p0 1428 ± 2384
pull
Entries 54
Mean 142
Std Dev 0

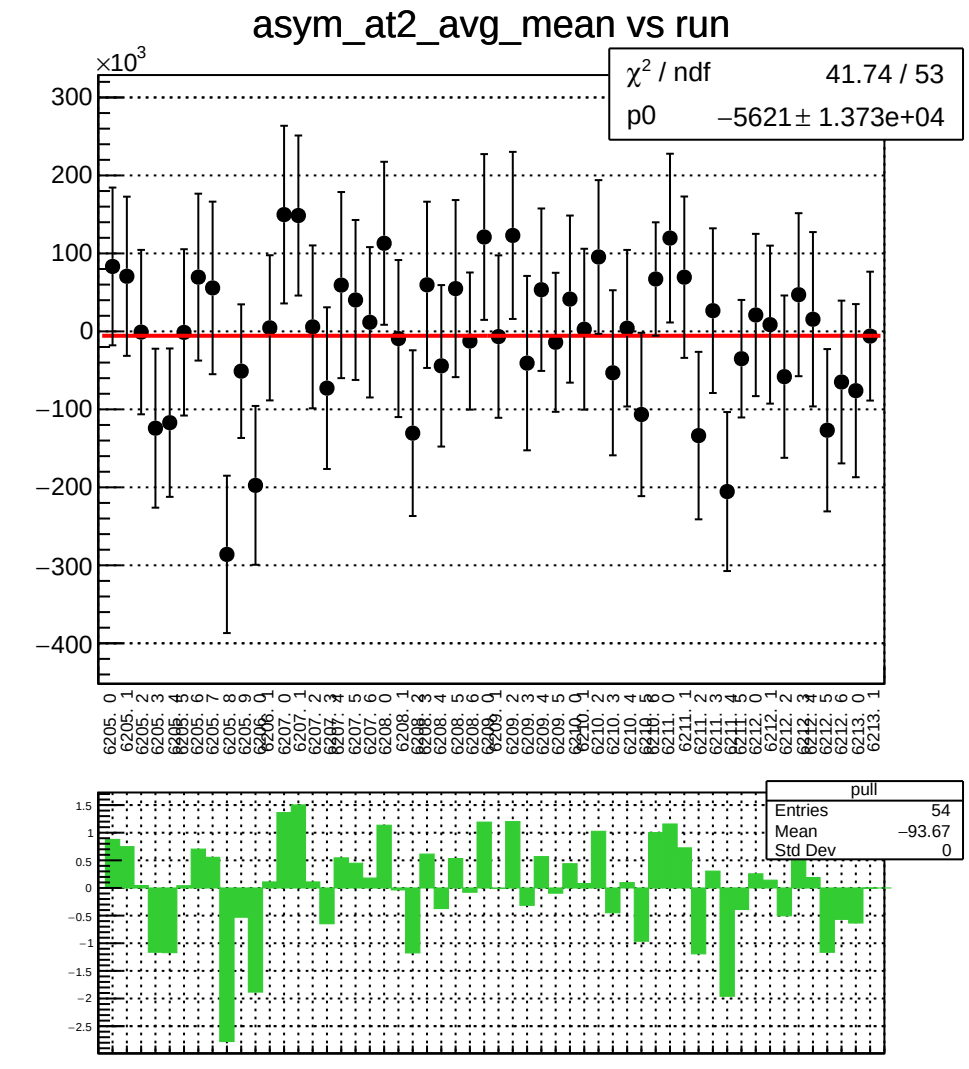

pull1D
Entries 54
Mean 0.008184
Std Dev 0.905

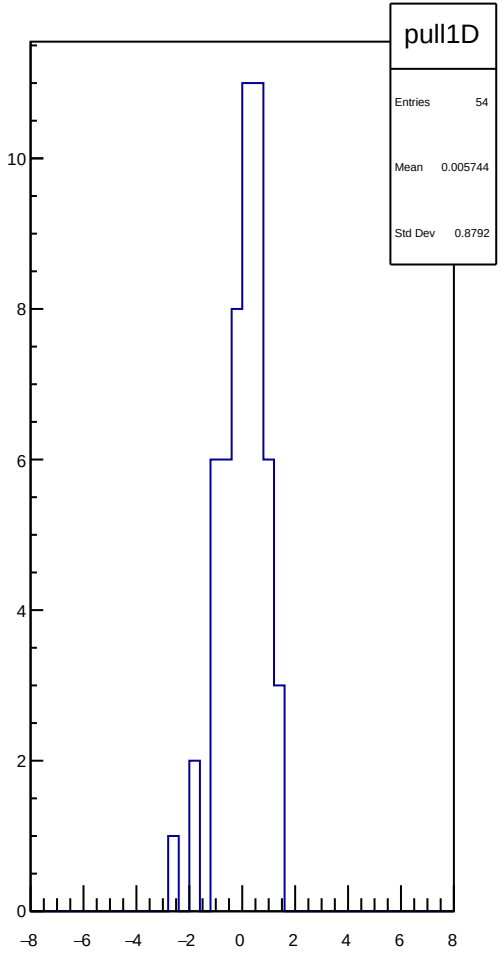

eigen_dit_asym_at2_avg_rms vs run
χ² / ndf 993.2 / 53
p0 1734 ± 1.686
2000
1950
1900
1850
1800
1750
1700
1650
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

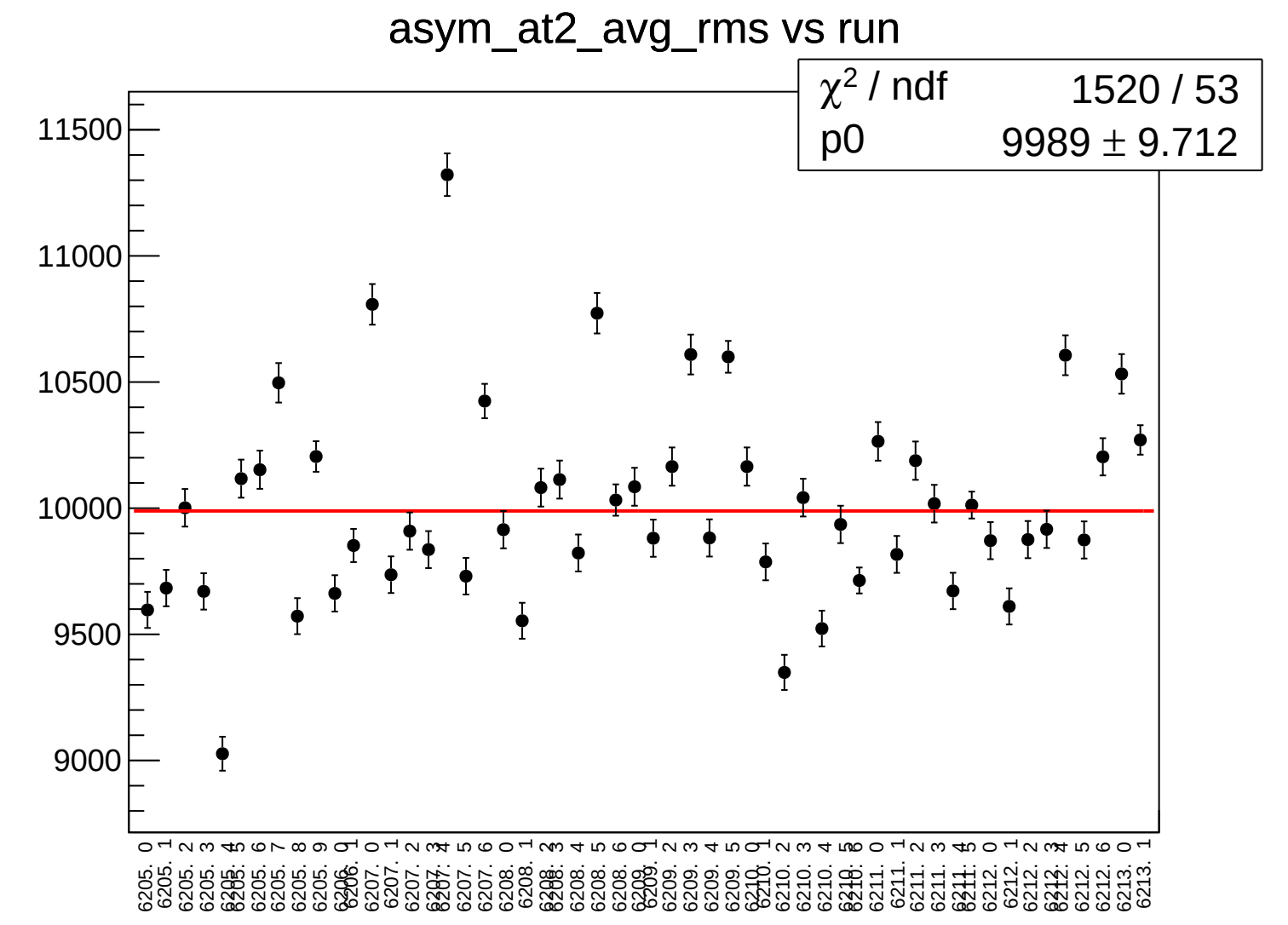

asym_at2_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 43.03 / 53
p0 8240 ± 1.382e+04
pull
Entries 54
Mean −63.6
Std Dev 0

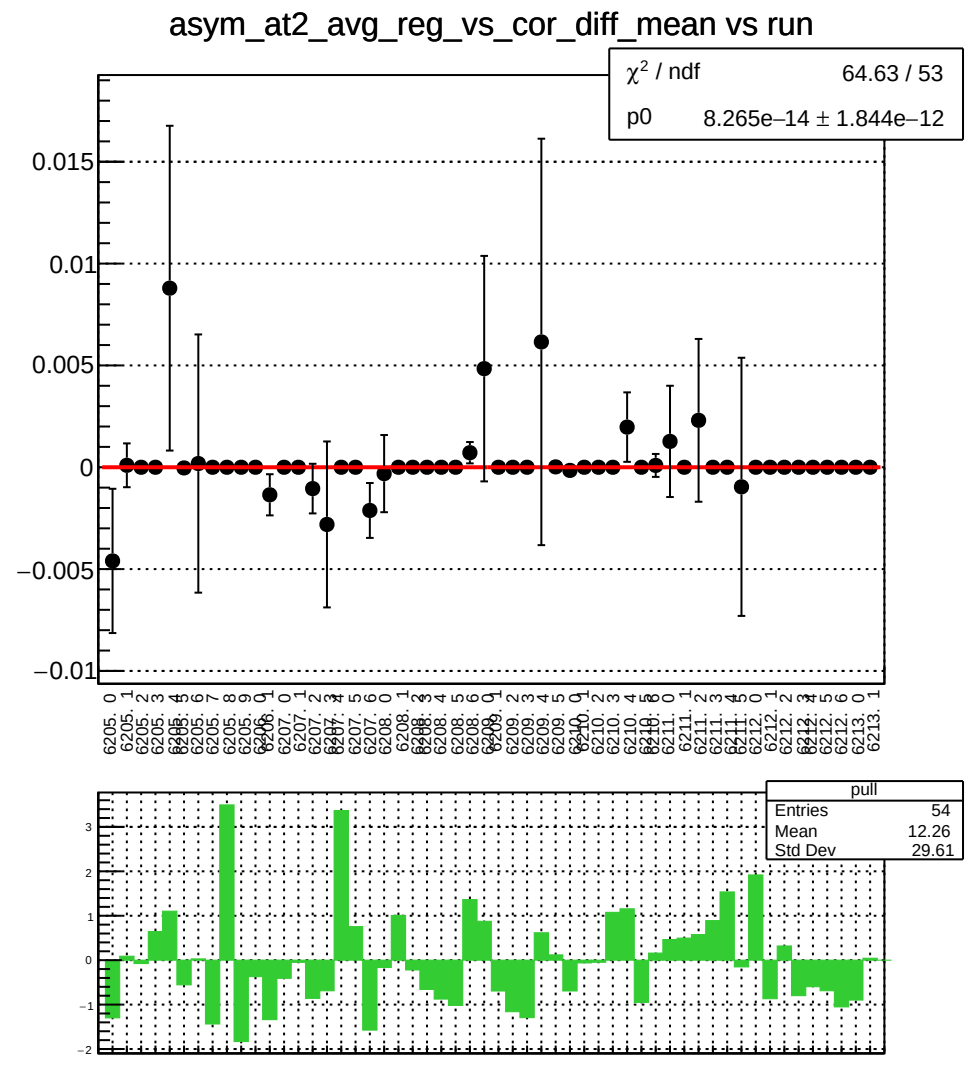

pull1D
Entries 54
Mean −0.01004
Std Dev 0.8926

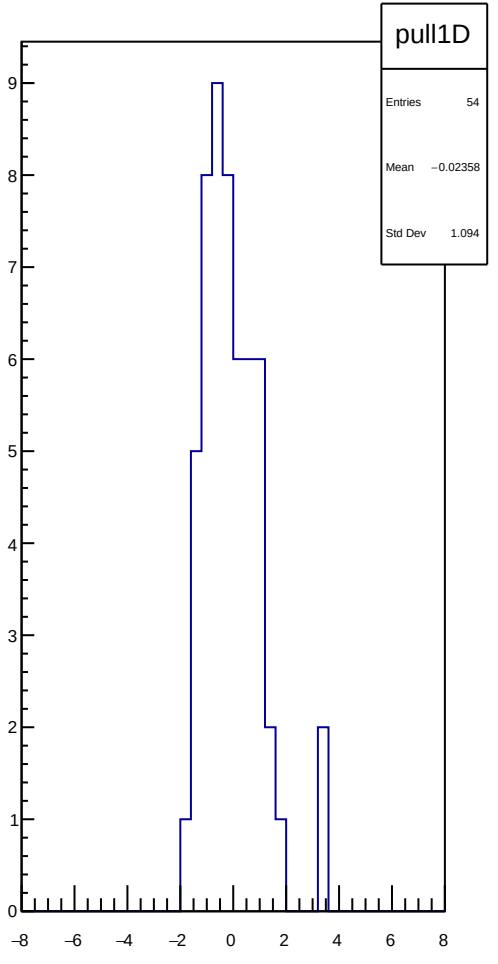

asym_at2_avg_eigen_dit_correction_rms vs run
χ² / ndf 2517 / 53
p0 1.005e+04 ± 9.772
11500
11000
10500
10000
9500
9000

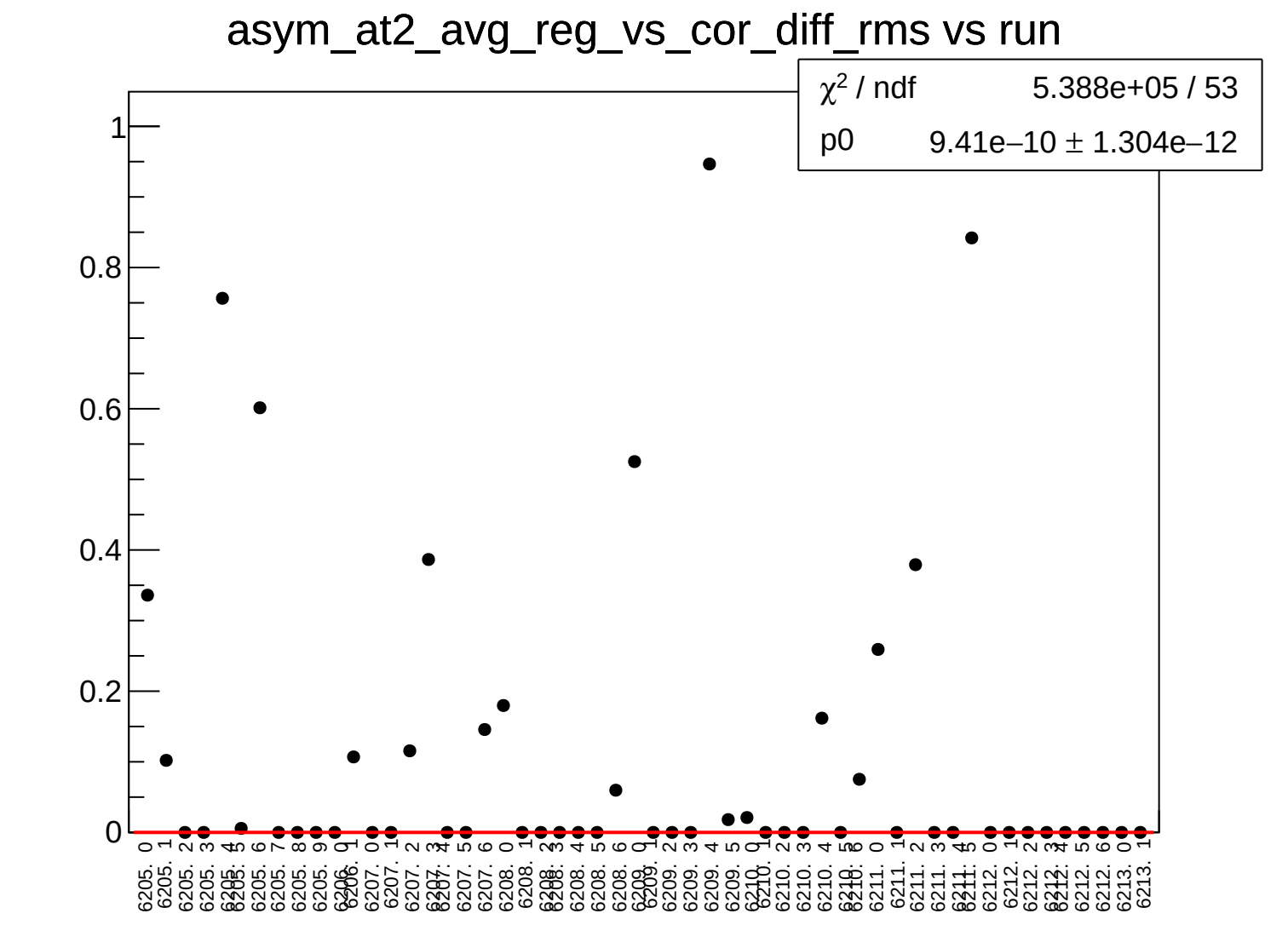

asym_at2_avg_mean vs run
×10^3
χ² / ndf 41.74 / 53
p0 −5621 ± 1.373e+04
pull
Entries 54
Mean −93.67
Std Dev 0

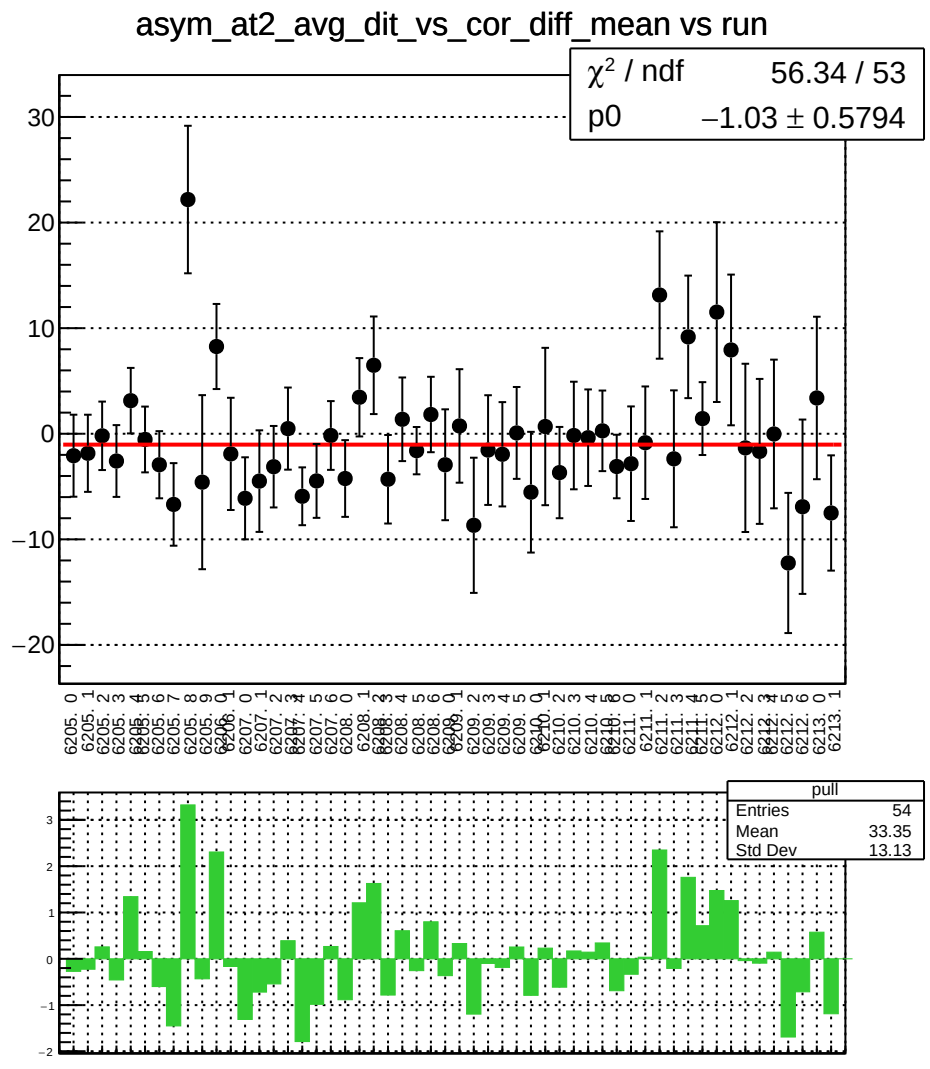

pull1D
Entries 54
Mean 0.005744
Std Dev 0.8792

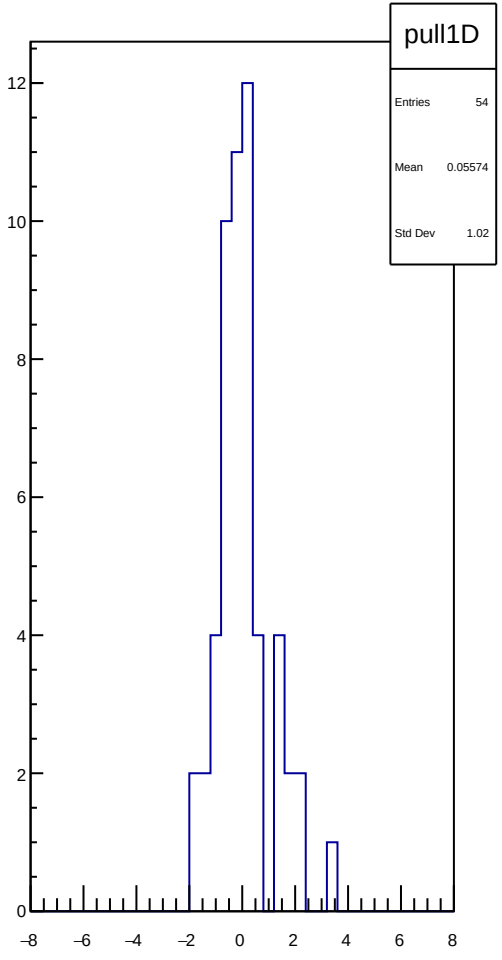

asym_at2_avg_rms vs run
χ² / ndf 1520 / 53
p0 9989 ± 9.712
11500
11000
10500
10000
9500
9000
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

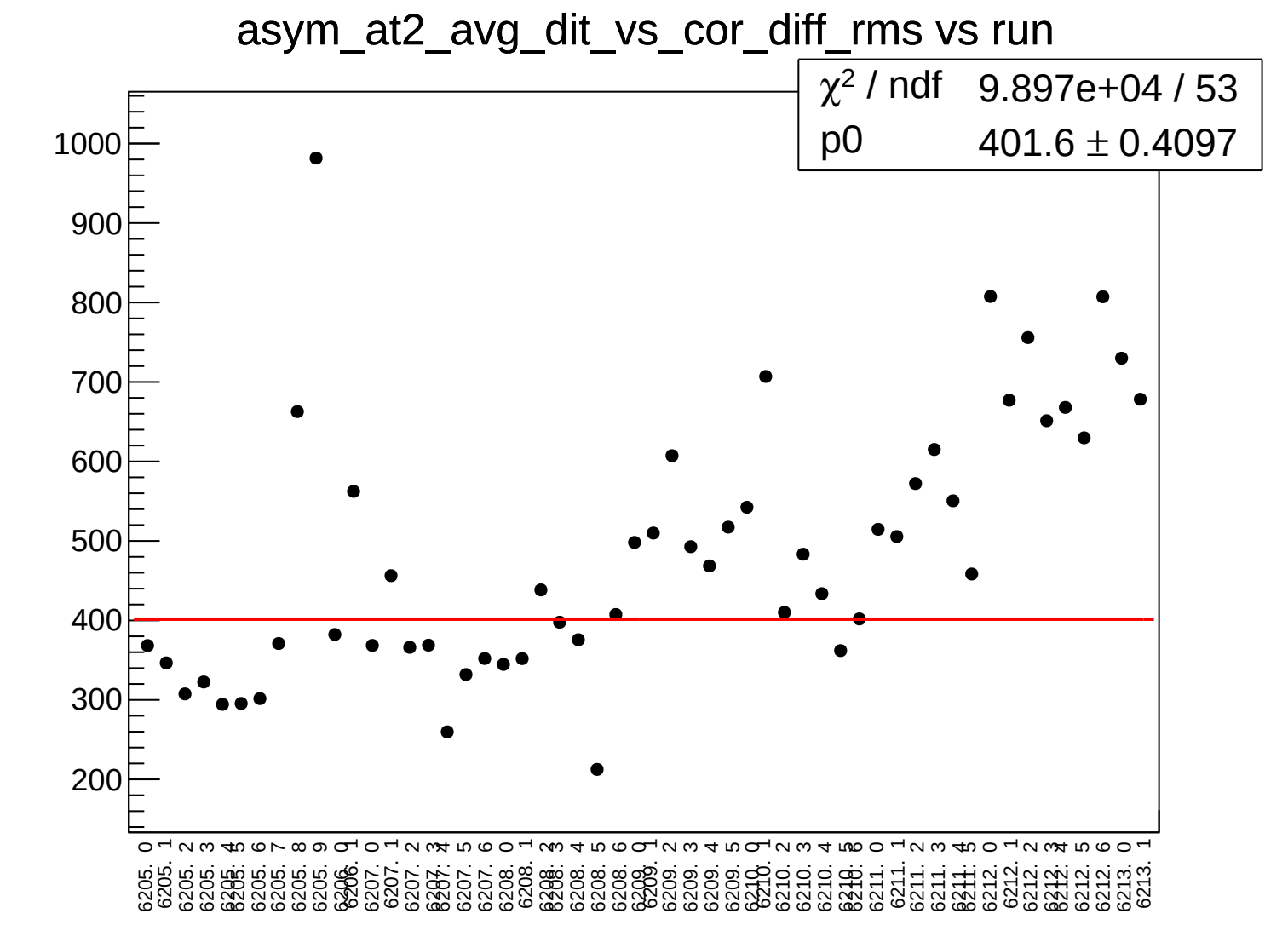

asym_at2_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 64.63 / 53
p0 8.265e−14 ± 1.844e−12
0.015
0.01
0.005
0
−0.005
−0.01
pull
Entries 54
Mean 12.26
Std Dev 29.61
3
2
1
0
−1
−2

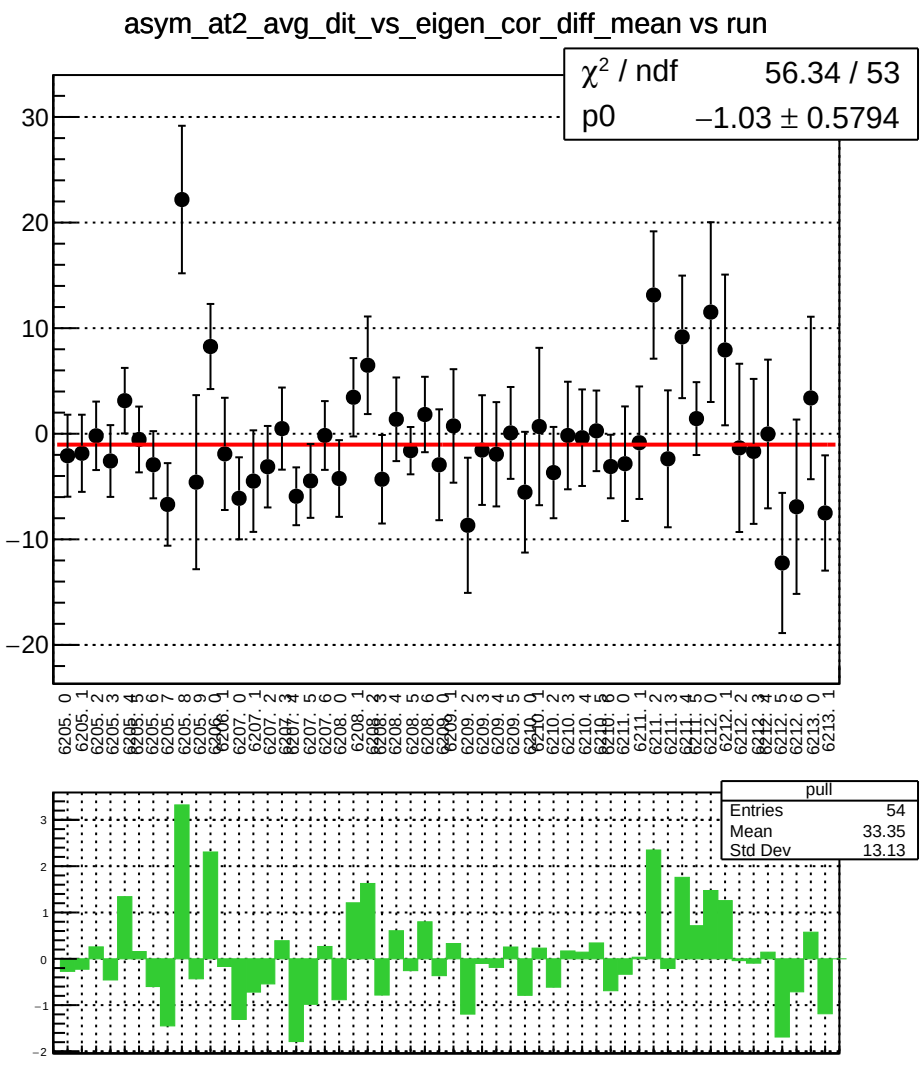

pull1D
Entries 54
Mean −0.02358
Std Dev 1.094
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

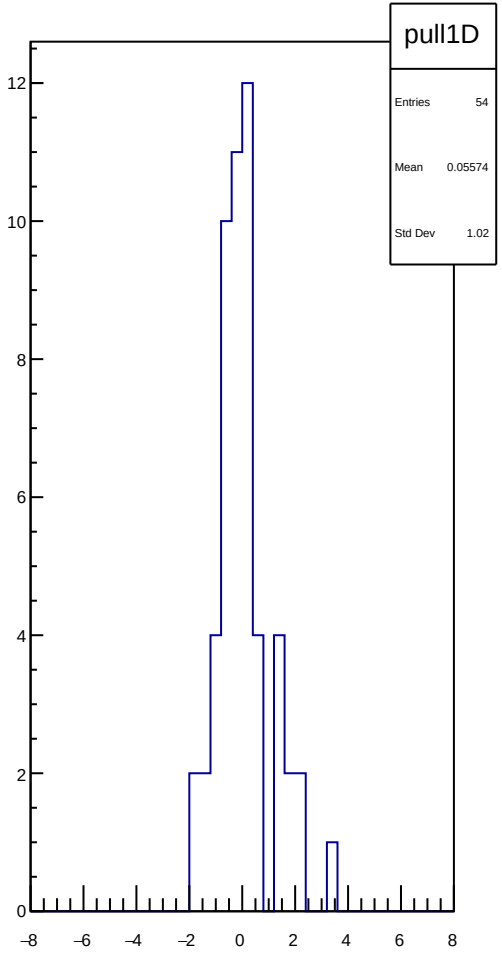

asym_at2_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 5.388e+05 / 53
p0 9.41e−10 ± 1.304e−12
1
0.8
0.6
0.4
0.2
0

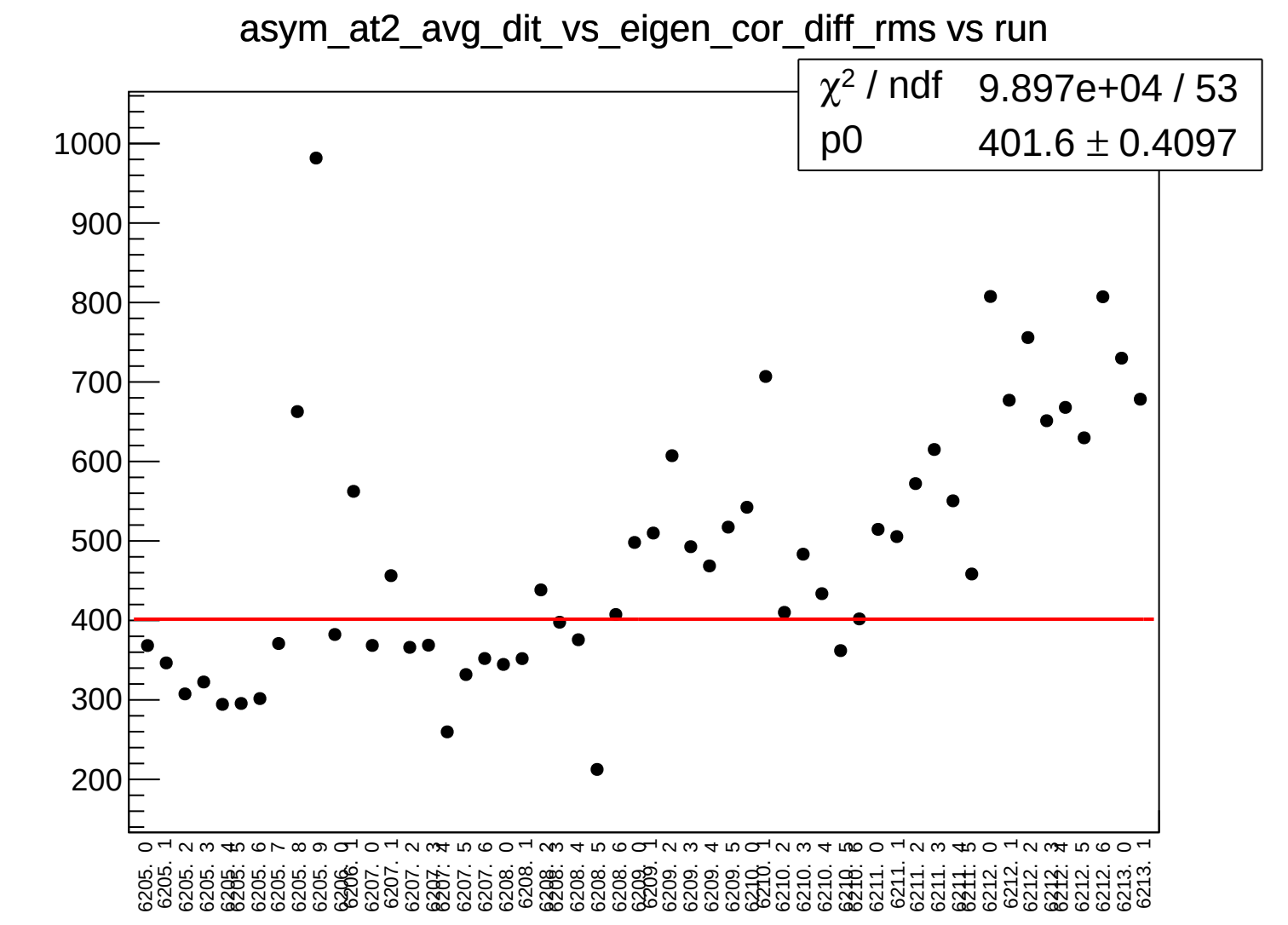

asym_at2_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 56.34 / 53
p0 −1.03 ± 0.5794
pull
Entries 54
Mean 33.35
Std Dev 13.13

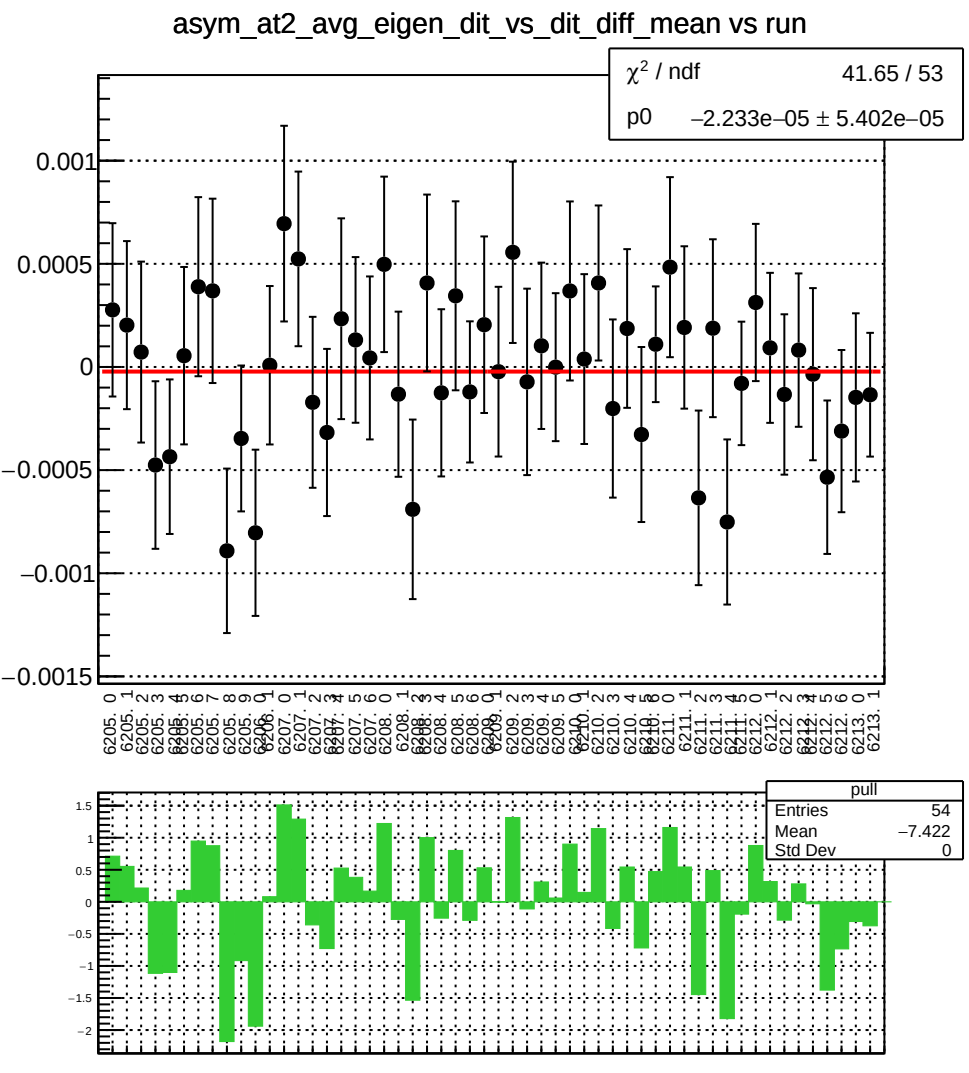

pull1D
Entries 54
Mean 0.05574
Std Dev 1.02

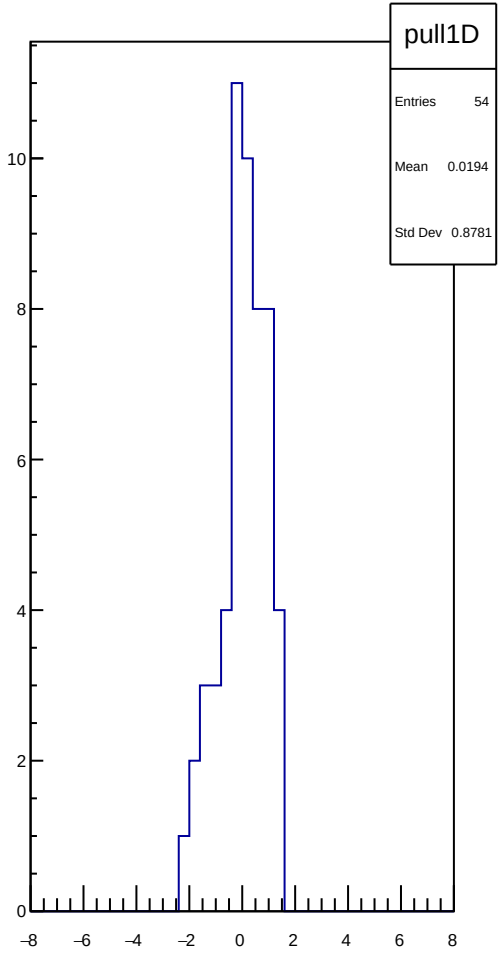

asym_at2_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 9.897e+04 / 53
p0 401.6 ± 0.4097
1000
900
800
700
600
500
400
300
200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

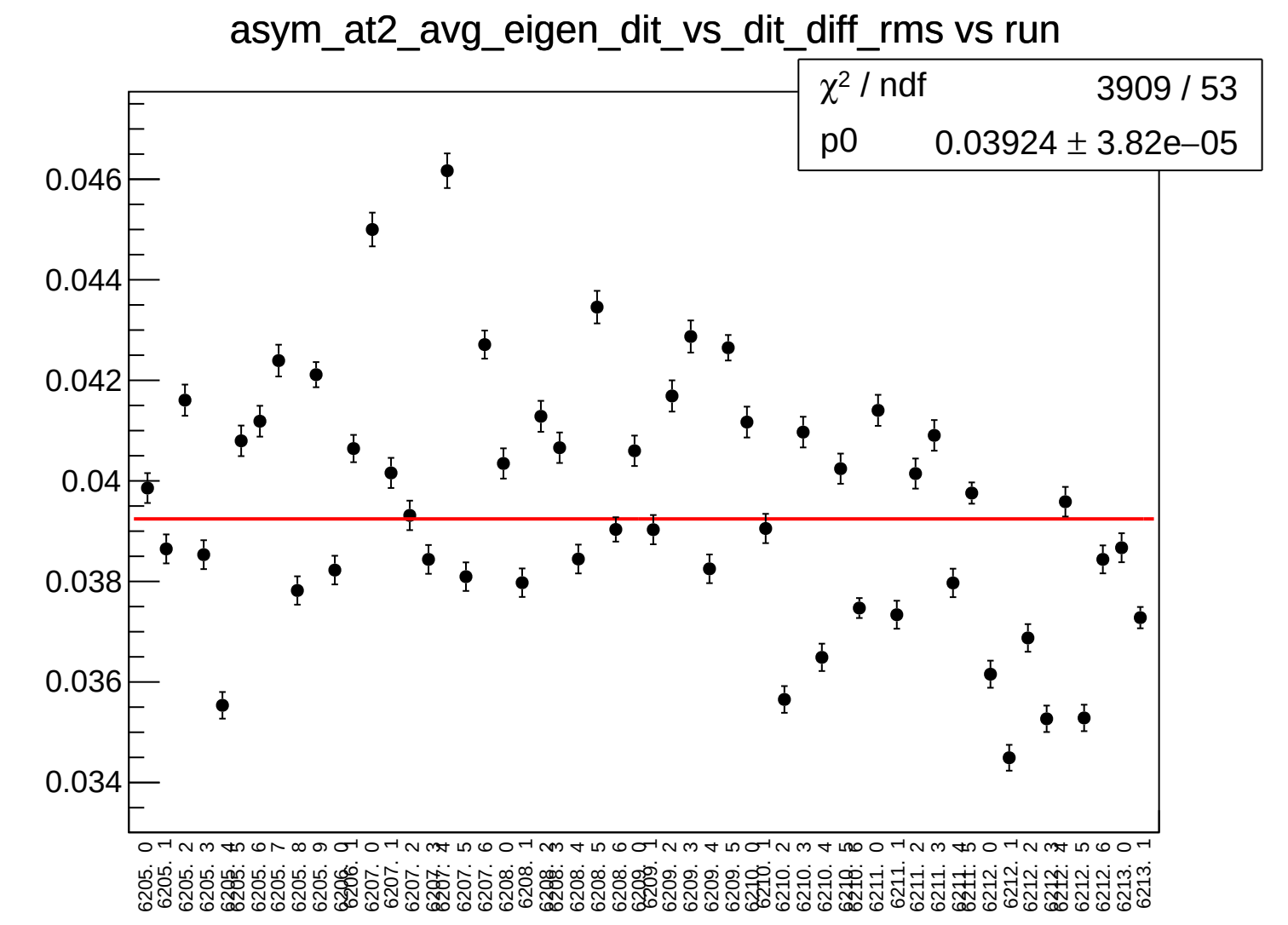

asym_at2_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 56.34 / 53
p0 −1.03 ± 0.5794
pull
Entries 54
Mean 33.35
Std Dev 13.13

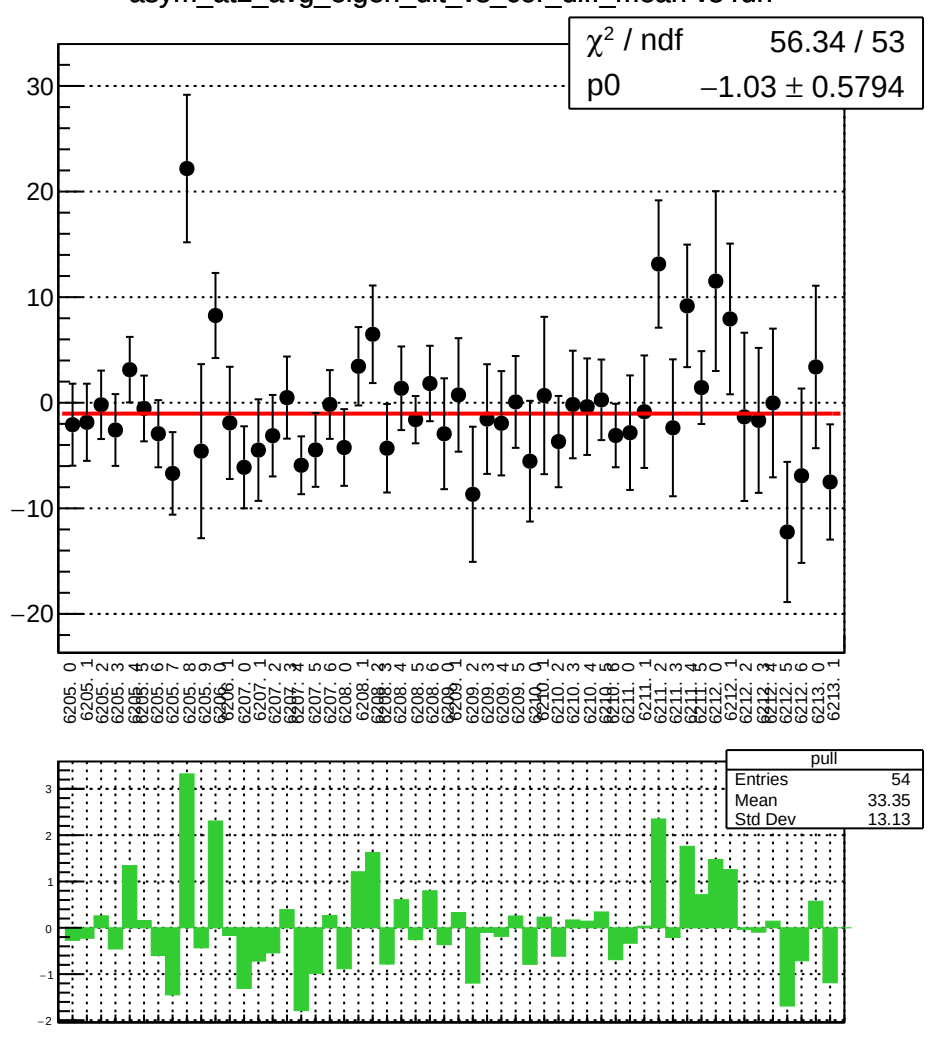

pull1D
Entries 54
Mean 0.05574
Std Dev 1.02

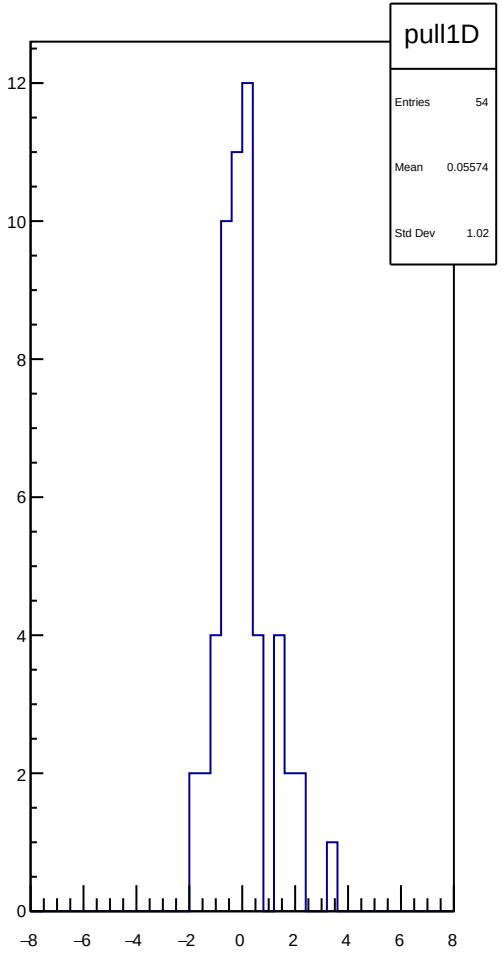

asym_at2_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.897e+04 / 53
p0 401.6 ± 0.4097
1000
900
800
700
600
500
400
300
200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

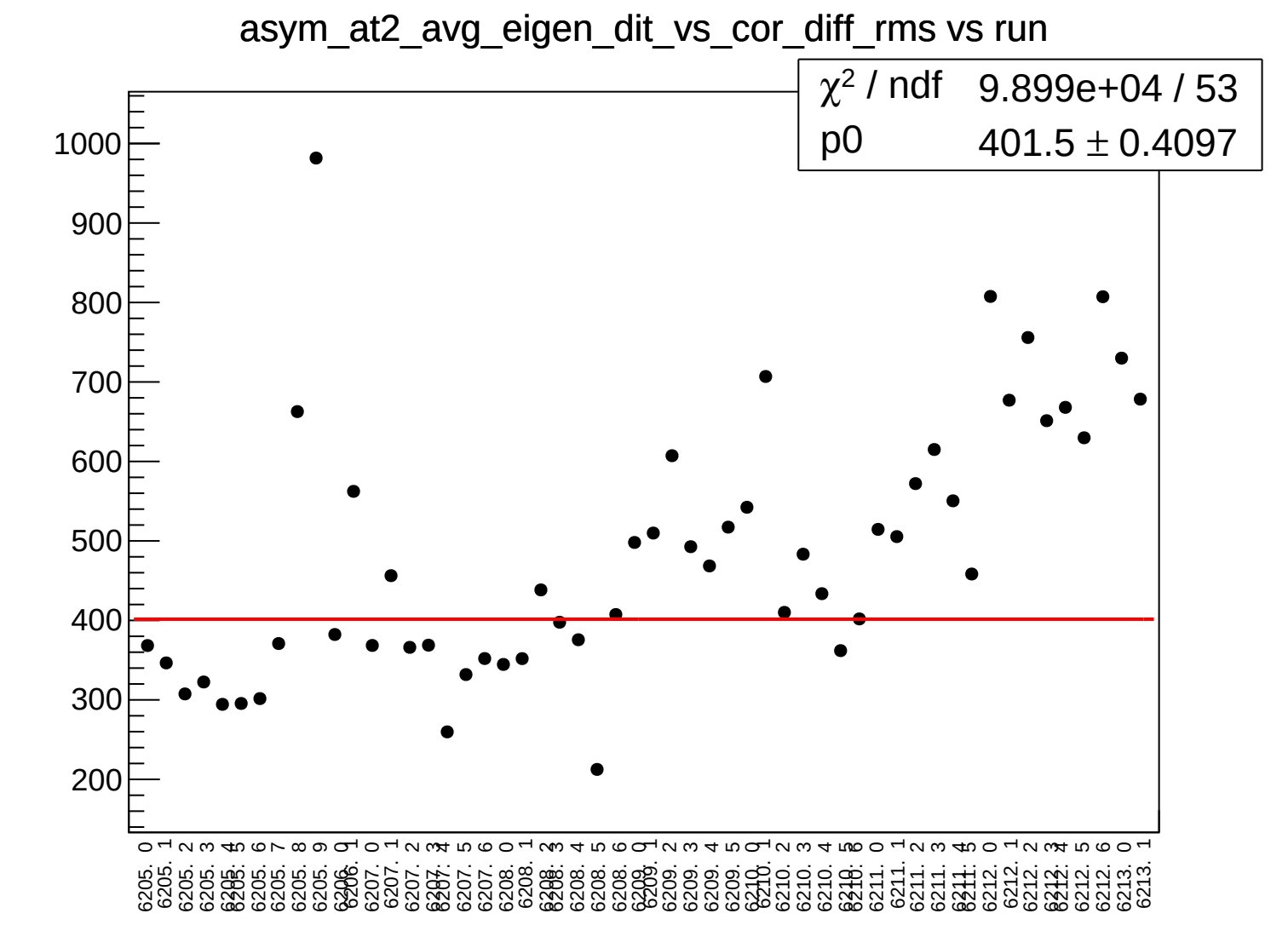

asym_at2_avg_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 41.65 / 53
p0 −2.233e−05 ± 5.402e−05
pull
Entries 54
Mean −7.422
Std Dev 0

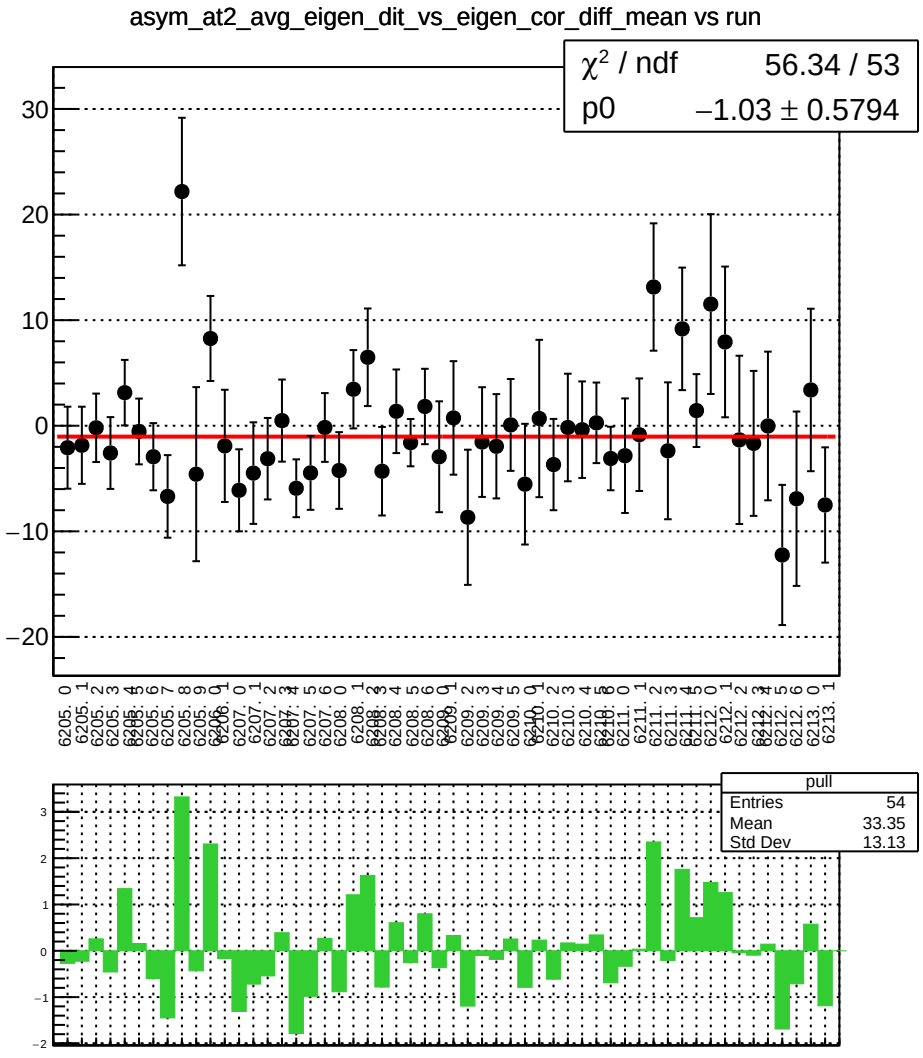

pull1D
Entries 54
Mean 0.0194
Std Dev 0.8781

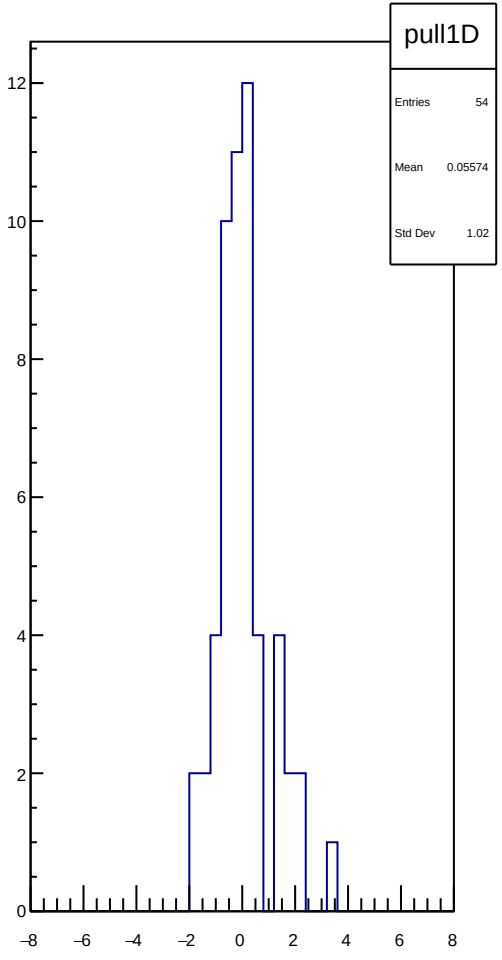

asym_at2_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3909 / 53
p0 0.03924 ± 3.82e−05
0.046
0.044
0.042
0.04
0.038
0.036
0.034
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 1
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

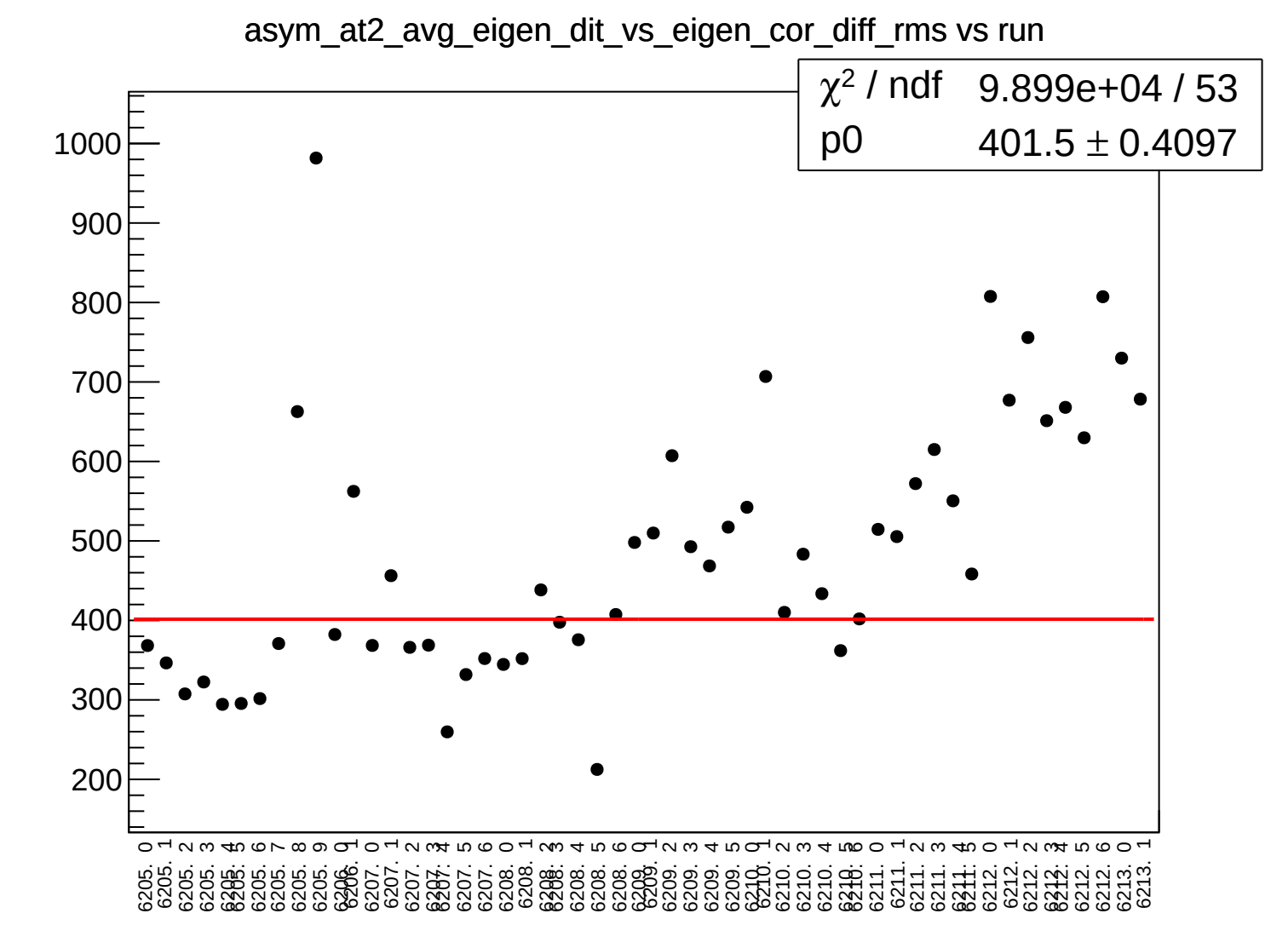

asym_at2_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 56.34 / 53
p0 −1.03 ± 0.5794
pull
Entries 54
Mean 33.35
Std Dev 13.13

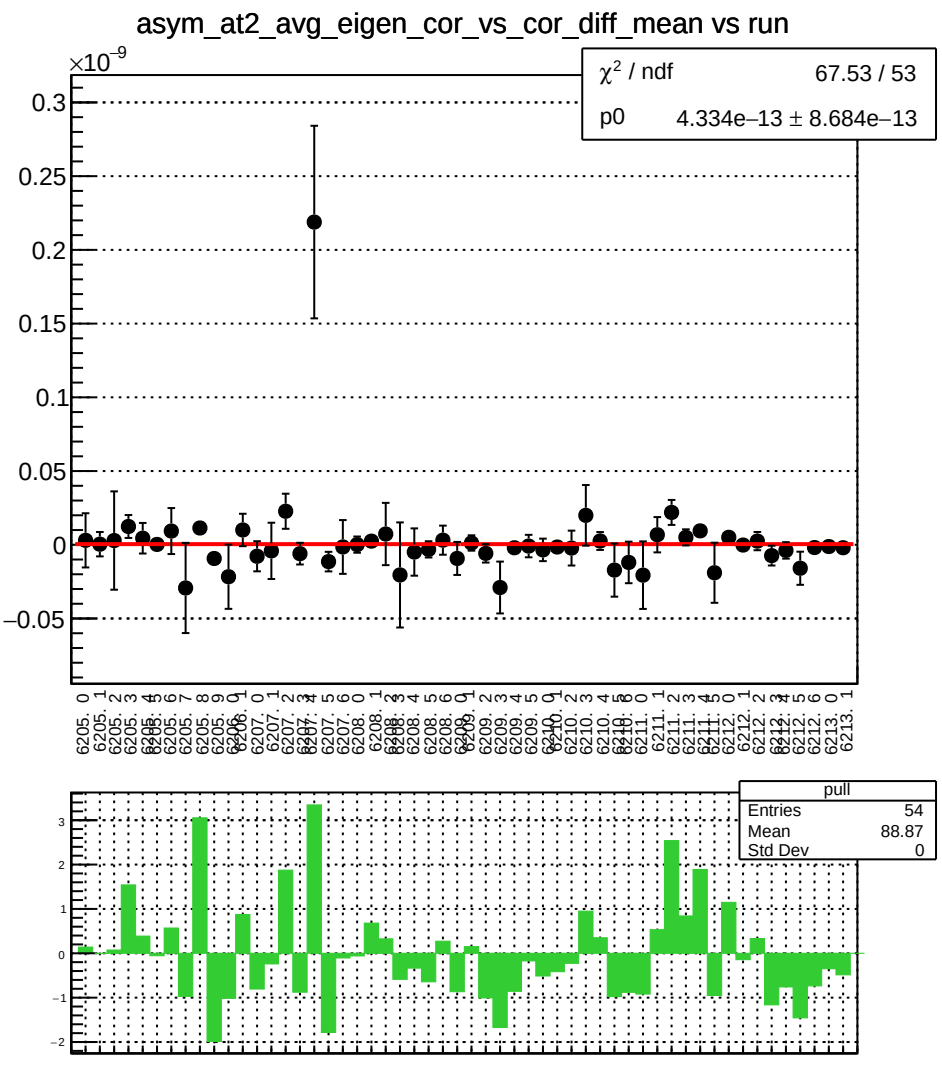

pull1D
Entries 54
Mean 0.05574
Std Dev 1.02

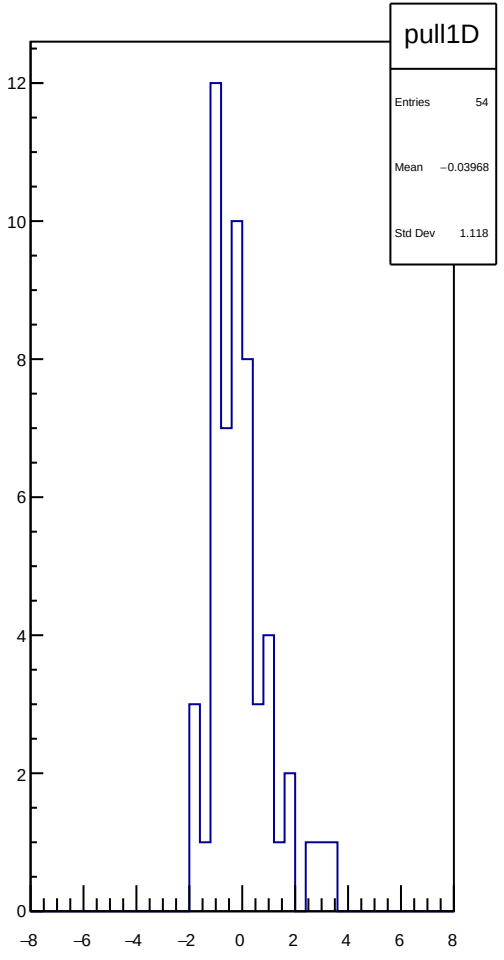

asym_at2_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 9.899e+04 / 53
p0 401.5 ± 0.4097
1000
900
800
700
600
500
400
300
200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

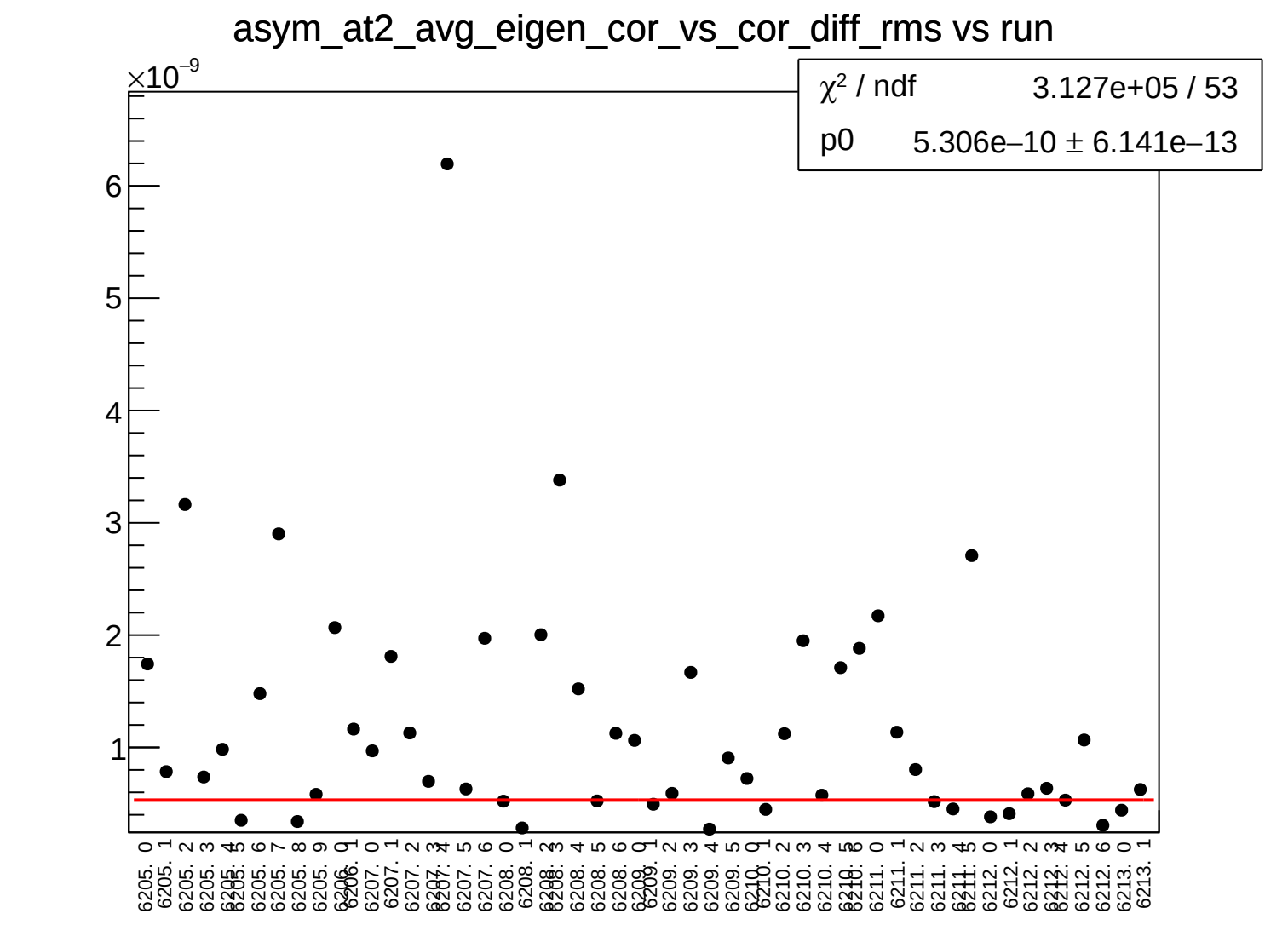

asym_at2_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 56.34 / 53
p0 −1.03 ± 0.5794
pull
Entries 54
Mean 33.35
Std Dev 13.13

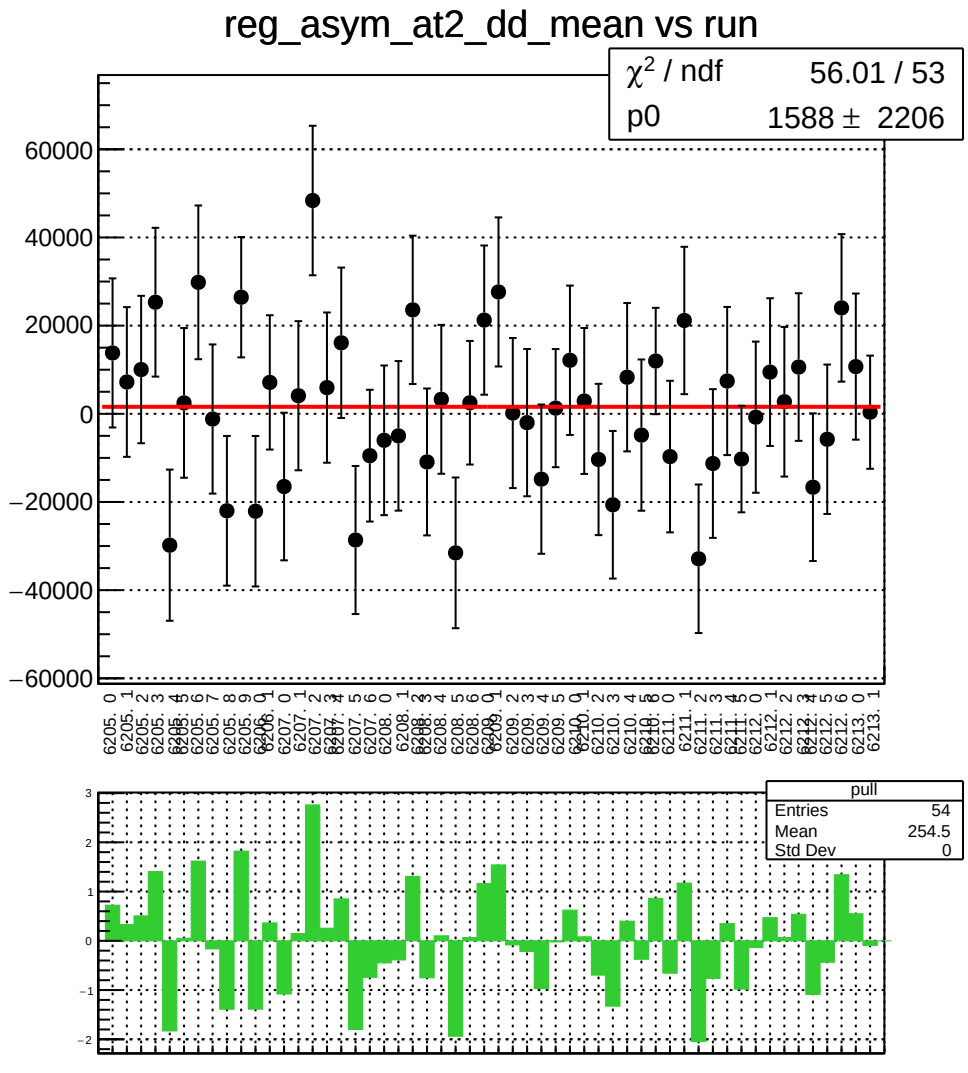

pull1D
Entries 54
Mean 0.05574
Std Dev 1.02

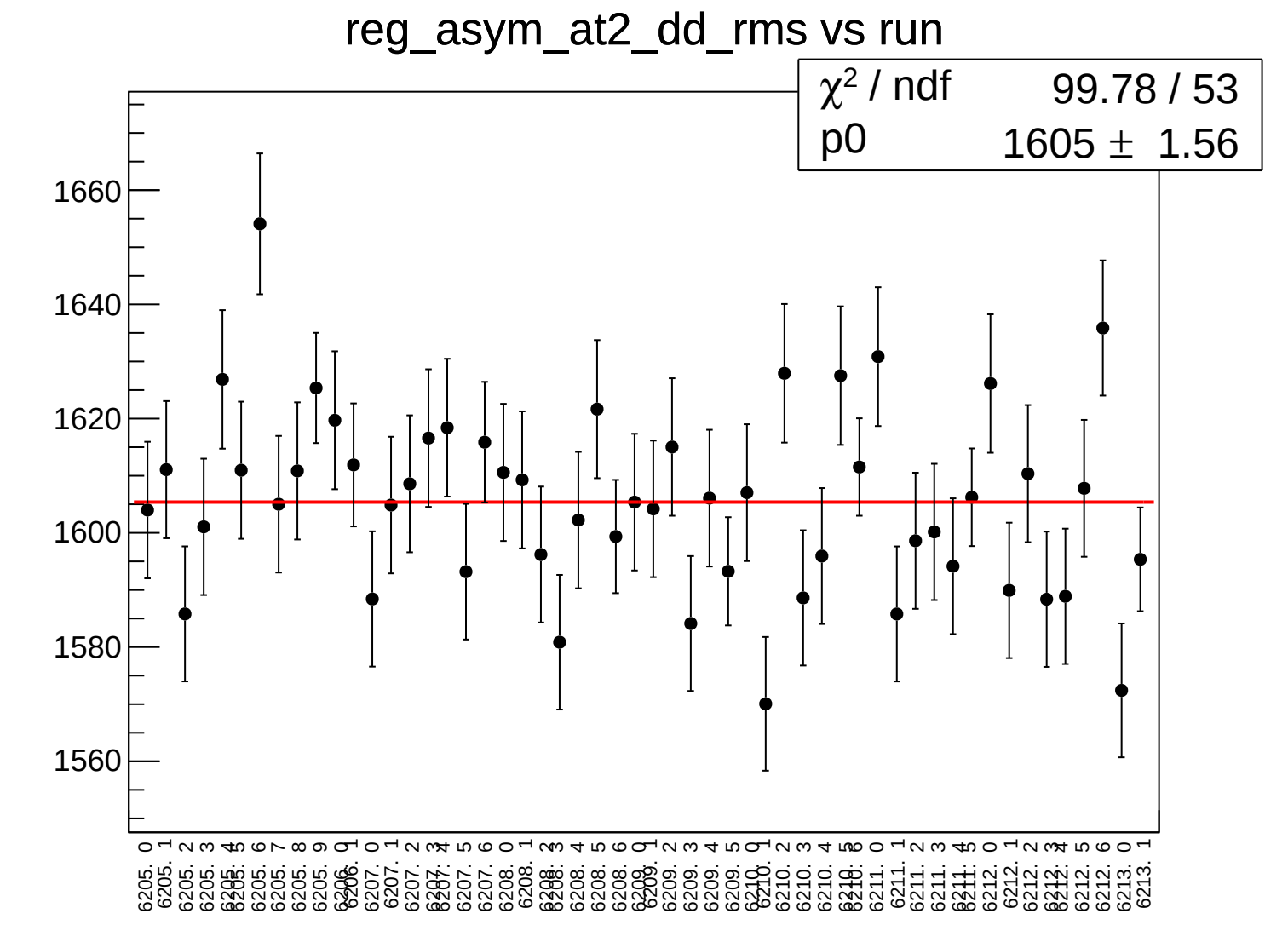

asym_at2_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.899e+04 / 53
p0 401.5 ± 0.4097
1000
900
800
700
600
500
400
300
200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_at2_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻⁹
χ² / ndf 67.53 / 53
p0 4.334e−13 ± 8.684e−13
pull
Entries 54
Mean 88.87
Std Dev 0


pull1D
Entries 54
Mean −0.03968
Std Dev 1.118


asym_at2_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.127e+05 / 53
p0 5.306e−10 ± 6.141e−13
6
5
4
3
2
1
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


reg_asym_at2_dd_mean vs run
χ² / ndf 56.01 / 53
p0 1588 ± 2206
60000
40000
20000
0
−20000
−40000
−60000
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1
pull
Entries 54
Mean 254.5
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 54
Mean −0.006313
Std Dev 1.018
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_at2_dd_rms vs run
χ² / ndf 99.78 / 53
p0 1605 ± 1.56
1660
1640
1620
1600
1580
1560
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
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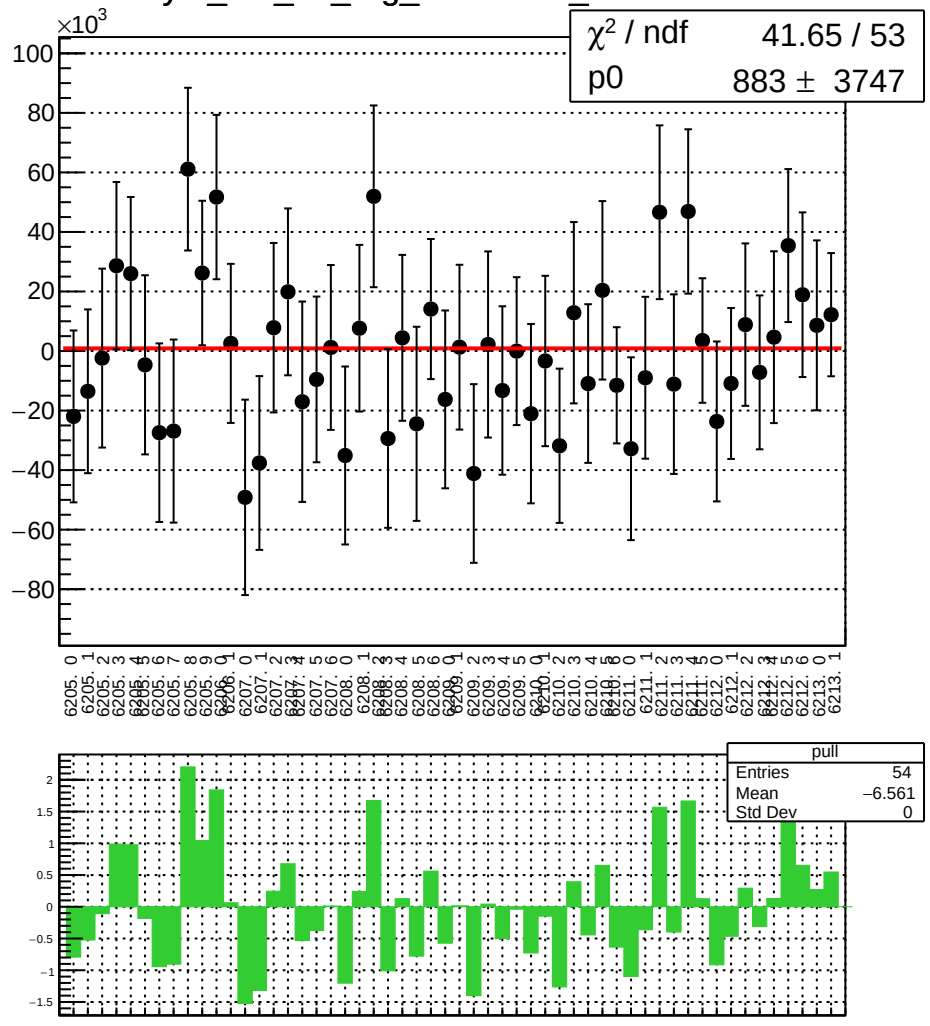
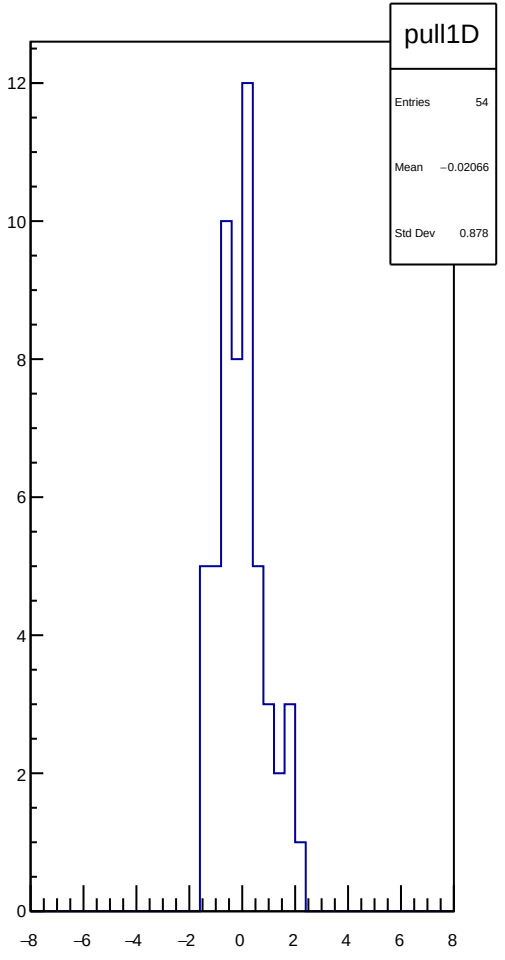
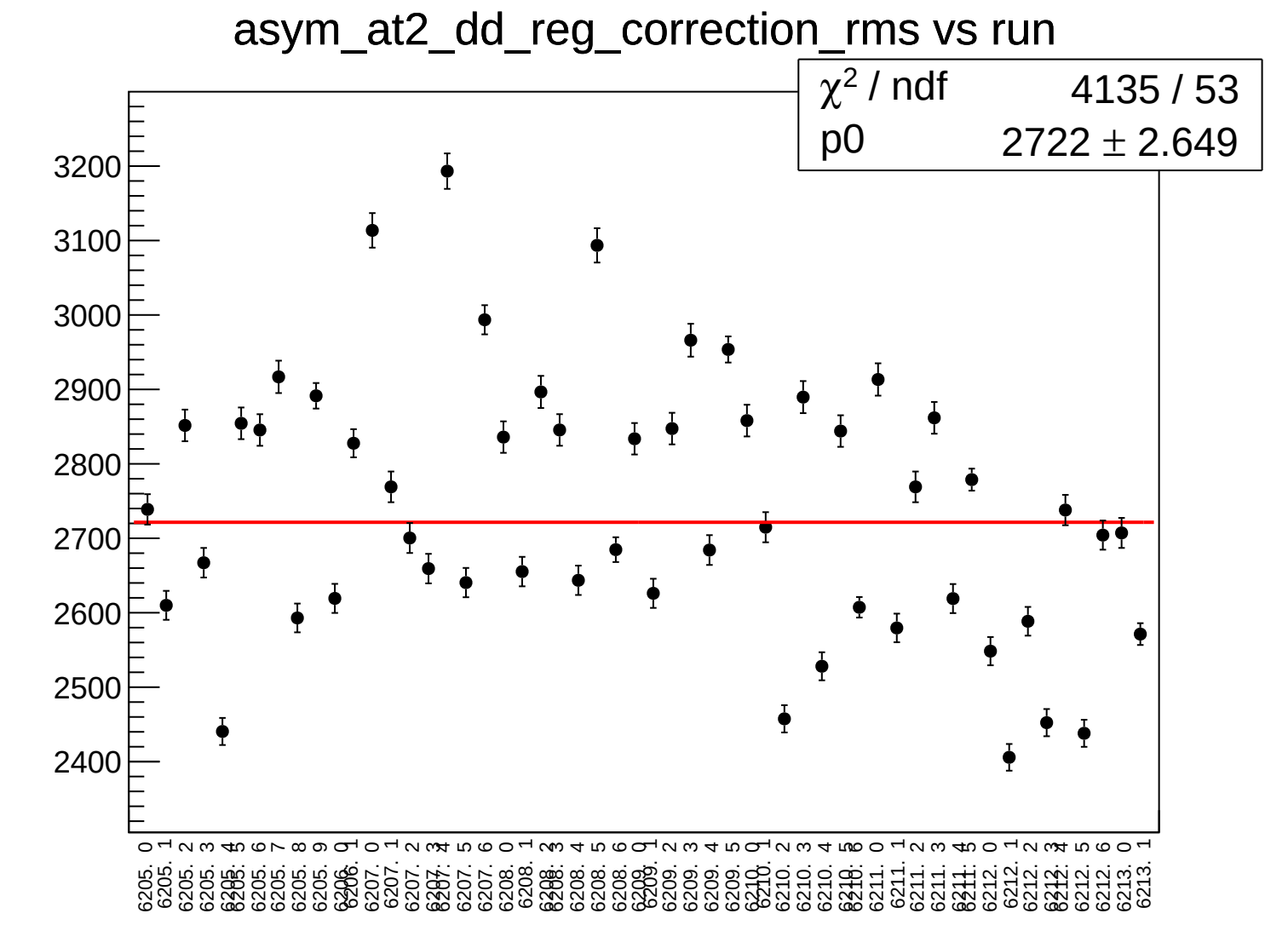
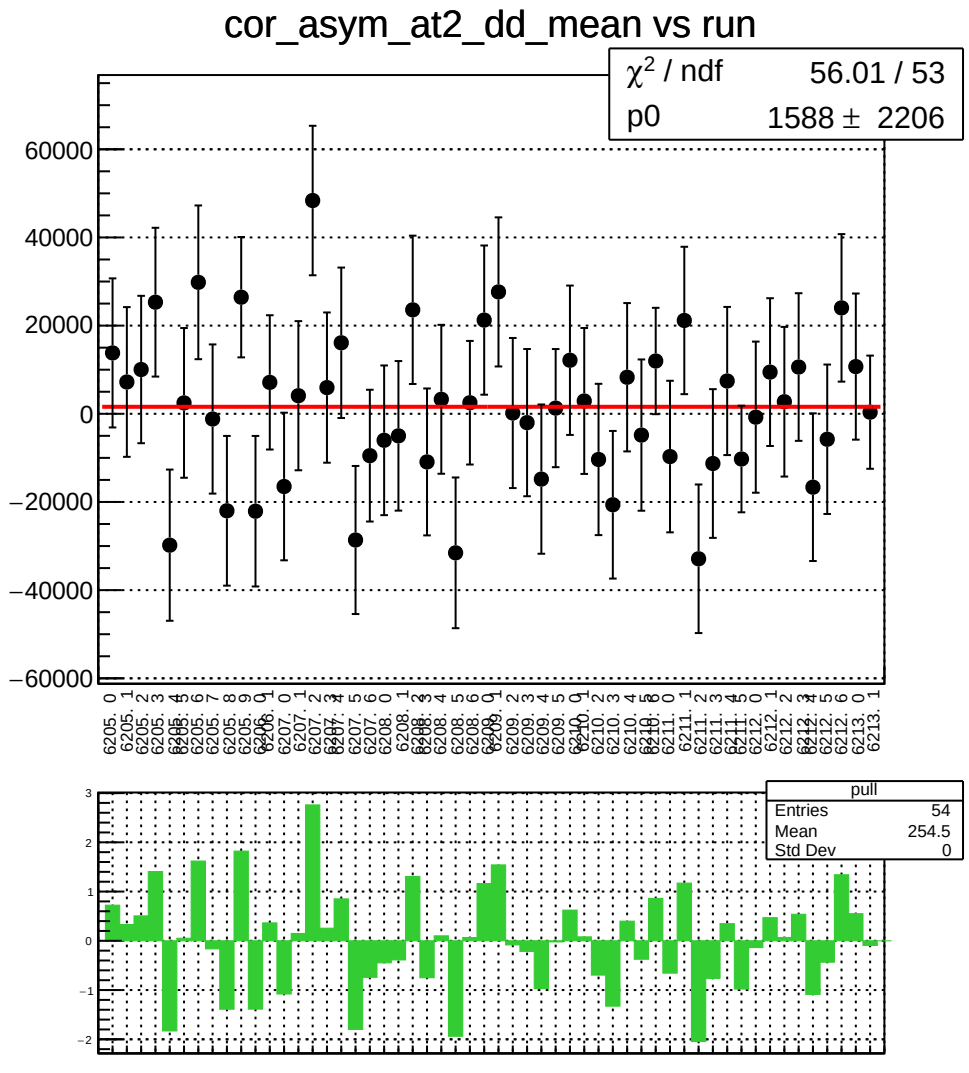
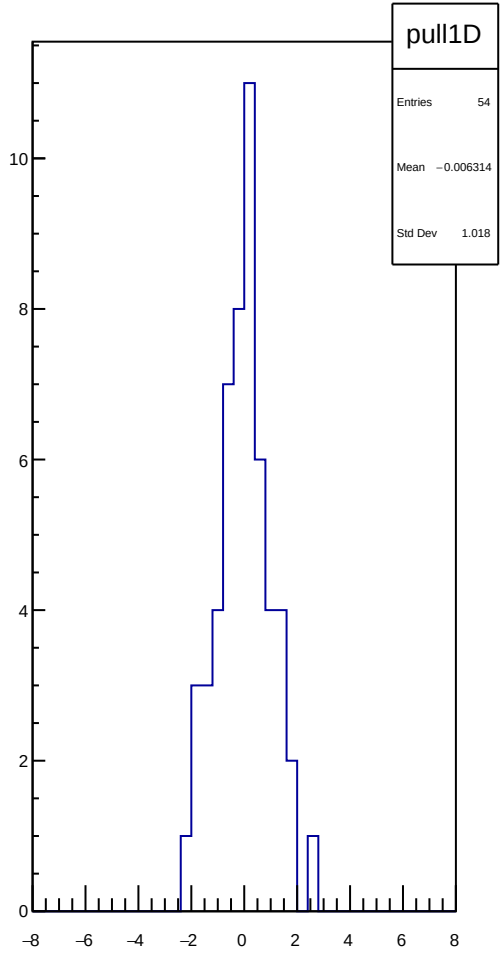
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

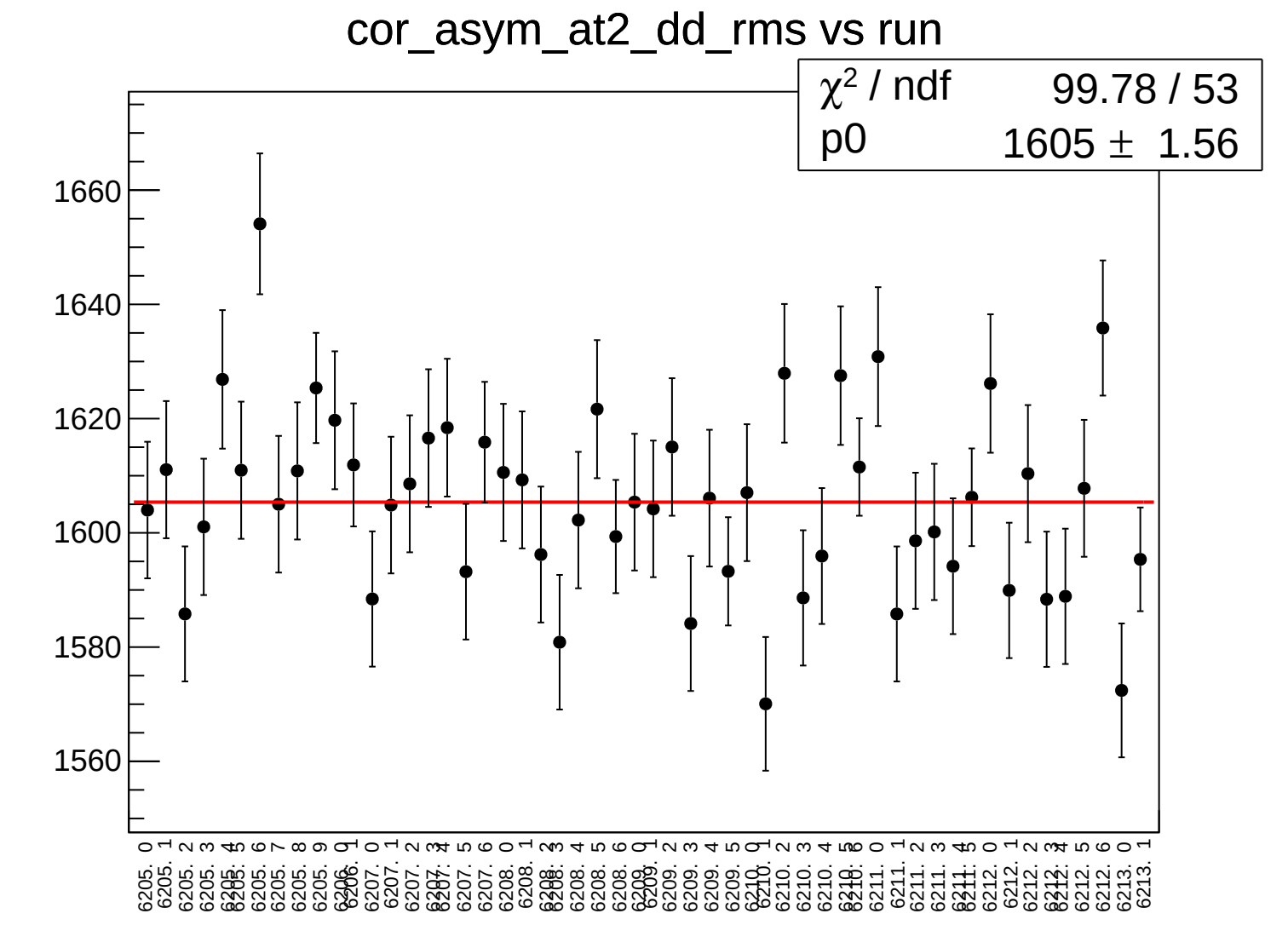

asym_at2_dd_reg_correction_mean vs run
×10^3
χ² / ndf 41.65 / 53
p0 883 ± 3747
pull
Entries 54
Mean −6.561
Std Dev 0

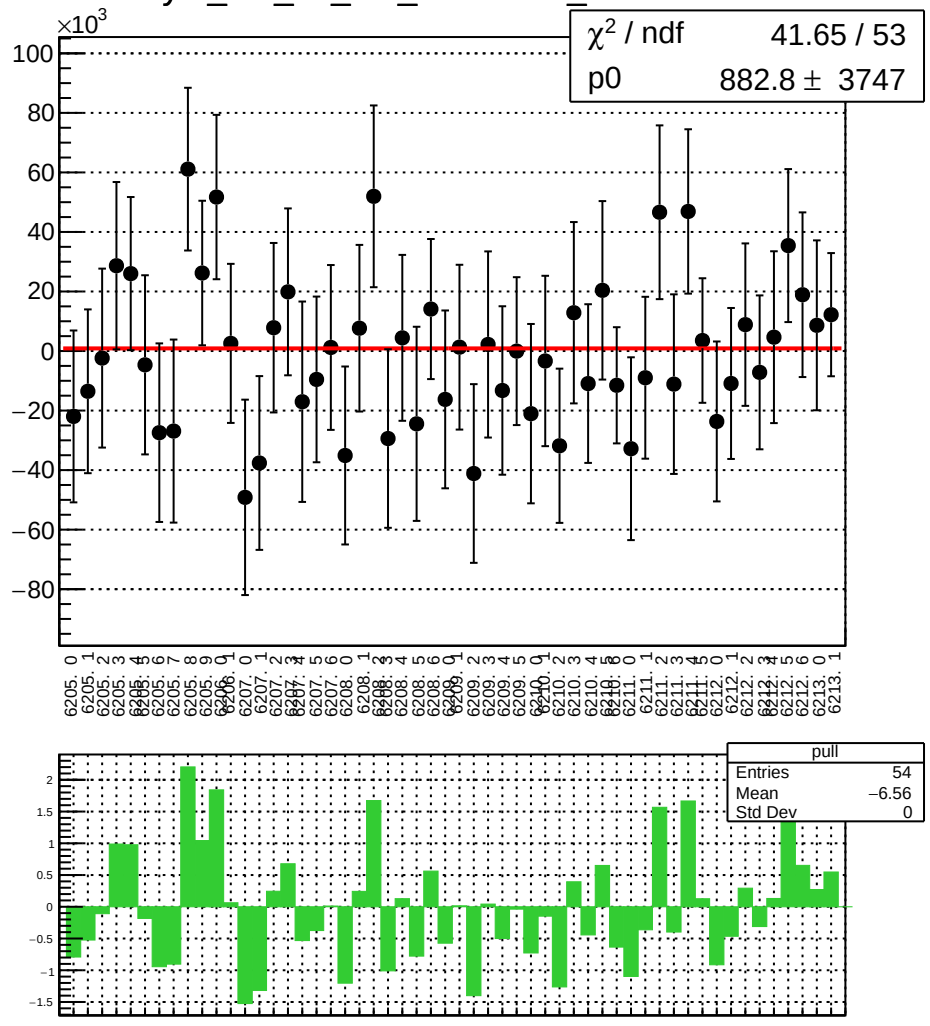

pull1D
Entries 54
Mean −0.02066
Std Dev 0.878

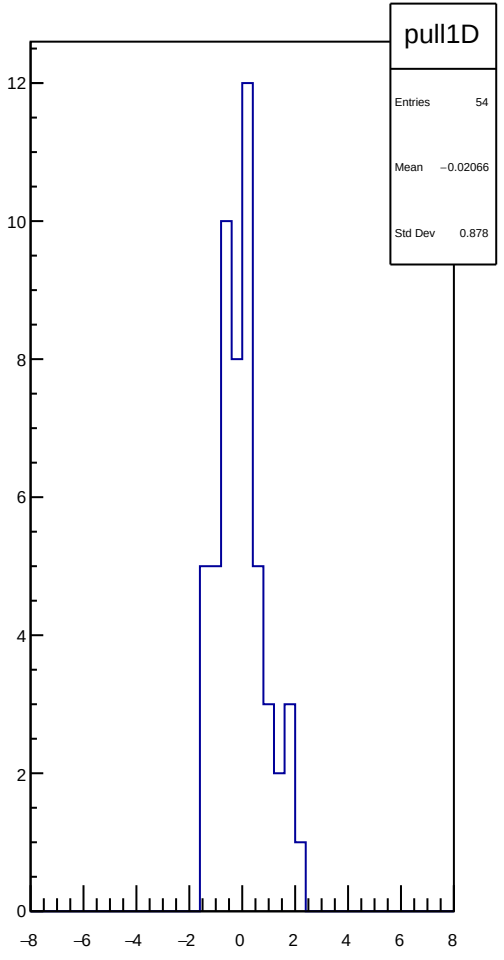

asym_at2_dd_reg_correction_rms vs run
χ² / ndf 4135 / 53
p0 2722 ± 2.649
3200
3100
3000
2900
2800
2700
2600
2500
2400
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

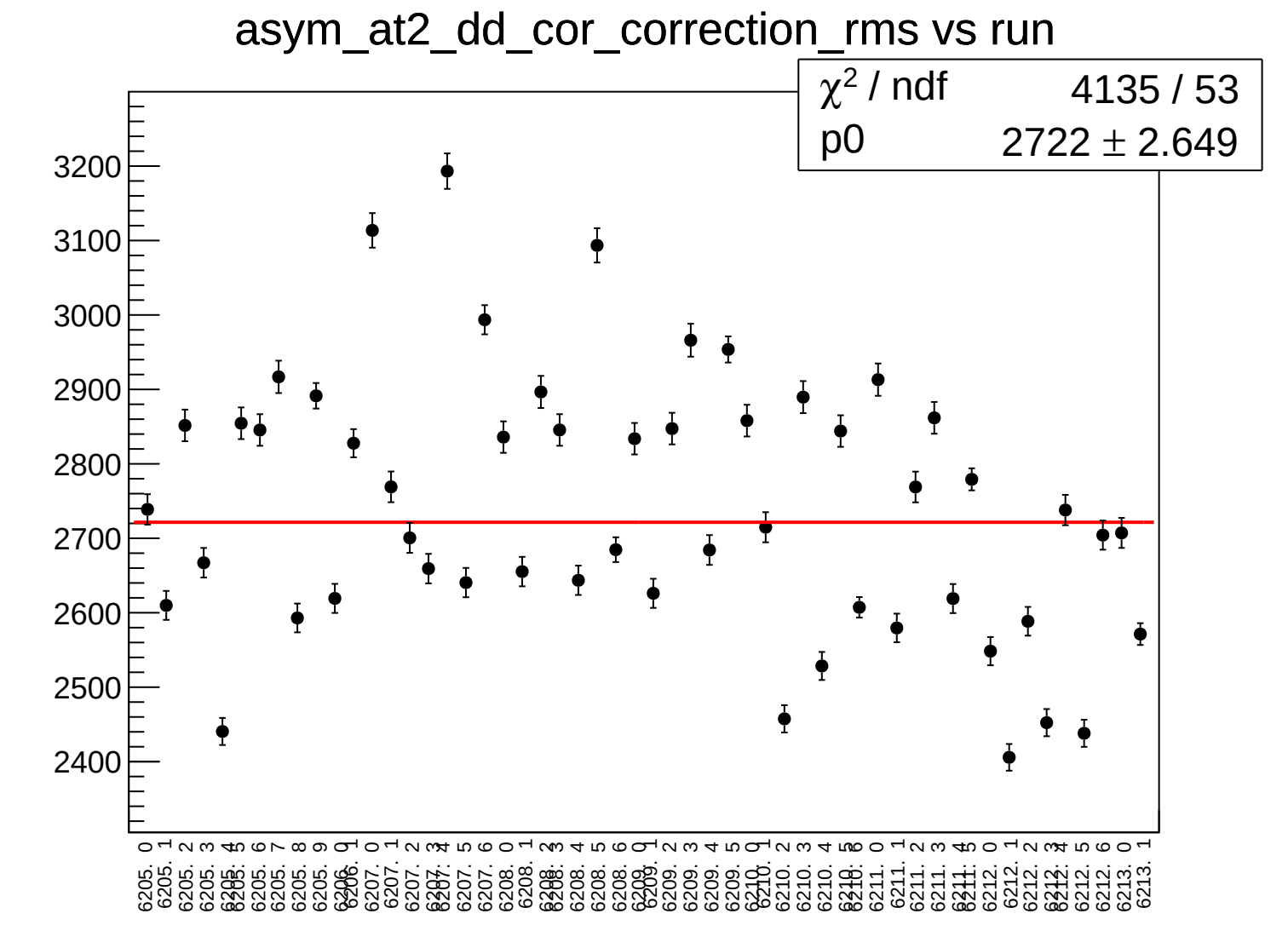

cor_asym_at2_dd_mean vs run
χ² / ndf 56.01 / 53
p0 1588 ± 2206
pull
Entries 54
Mean 254.5
Std Dev 0


pull1D
Entries 54
Mean −0.006314
Std Dev 1.018


cor_asym_at2_dd_rms vs run
χ² / ndf 99.78 / 53
p0 1605 ± 1.56
1660
1640
1620
1600
1580
1560
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1


asym_at2_dd_cor_correction_mean vs run
×10^3
χ² / ndf 41.65 / 53
p0 882.8 ± 3747
pull
Entries 54
Mean −6.56
Std Dev 0


pull1D
Entries 54
Mean −0.02066
Std Dev 0.878


asym_at2_dd_cor_correction_rms vs run
χ² / ndf 4135 / 53
p0 2722 ± 2.649
3200
3100
3000
2900
2800
2700
2600
2500
2400
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
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6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
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6209. 2
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6209. 4
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6210. 1
6210. 2
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6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
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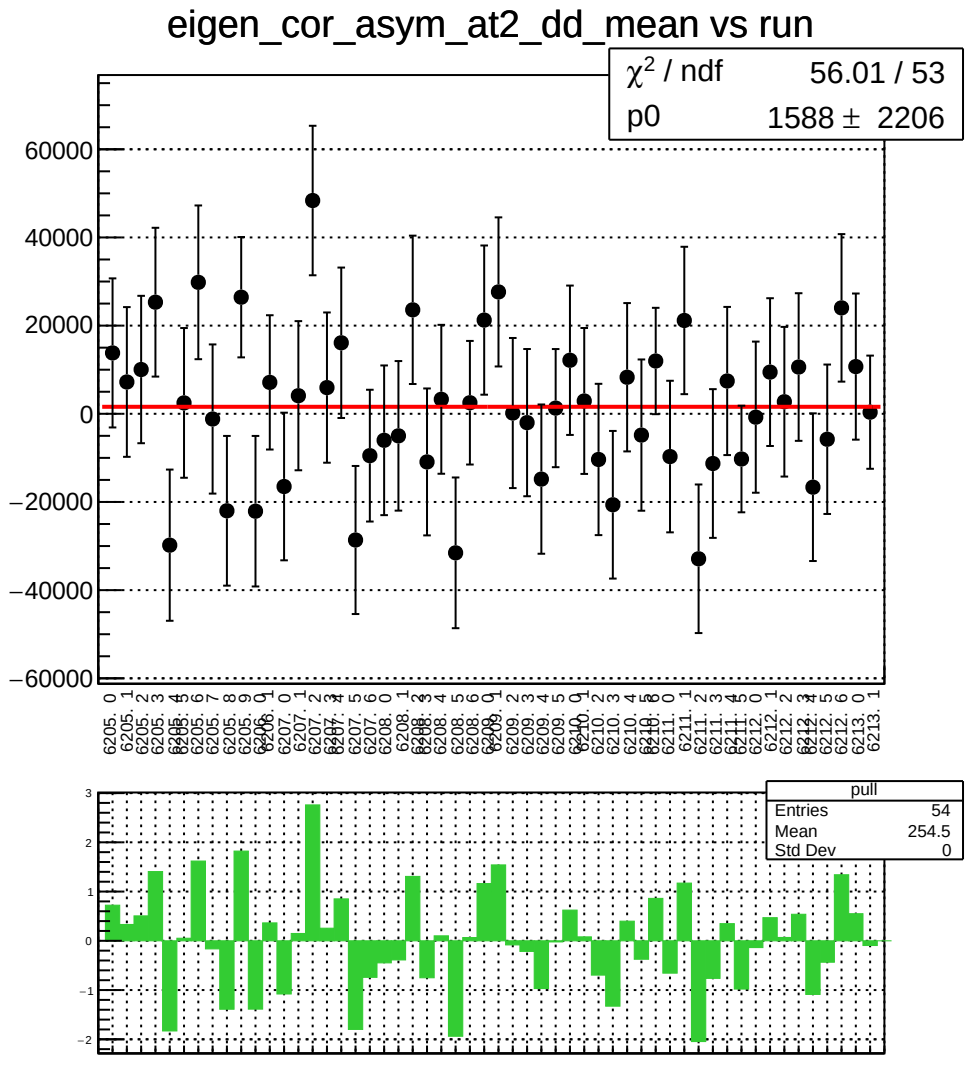
6212. 5
6212. 6
6213. 0
6213. 1


eigen_cor_asym_at2_dd_mean vs run
χ² / ndf 56.01 / 53
p0 1588 ± 2206
60000
40000
20000
0
−20000
−40000
−60000
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
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6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
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6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
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6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
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6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
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6212. 6
6213. 0
6213. 1
pull
Entries 54
Mean 254.5
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 54
Mean −0.006314
Std Dev 1.018
10
8
6
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2
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−6
−4
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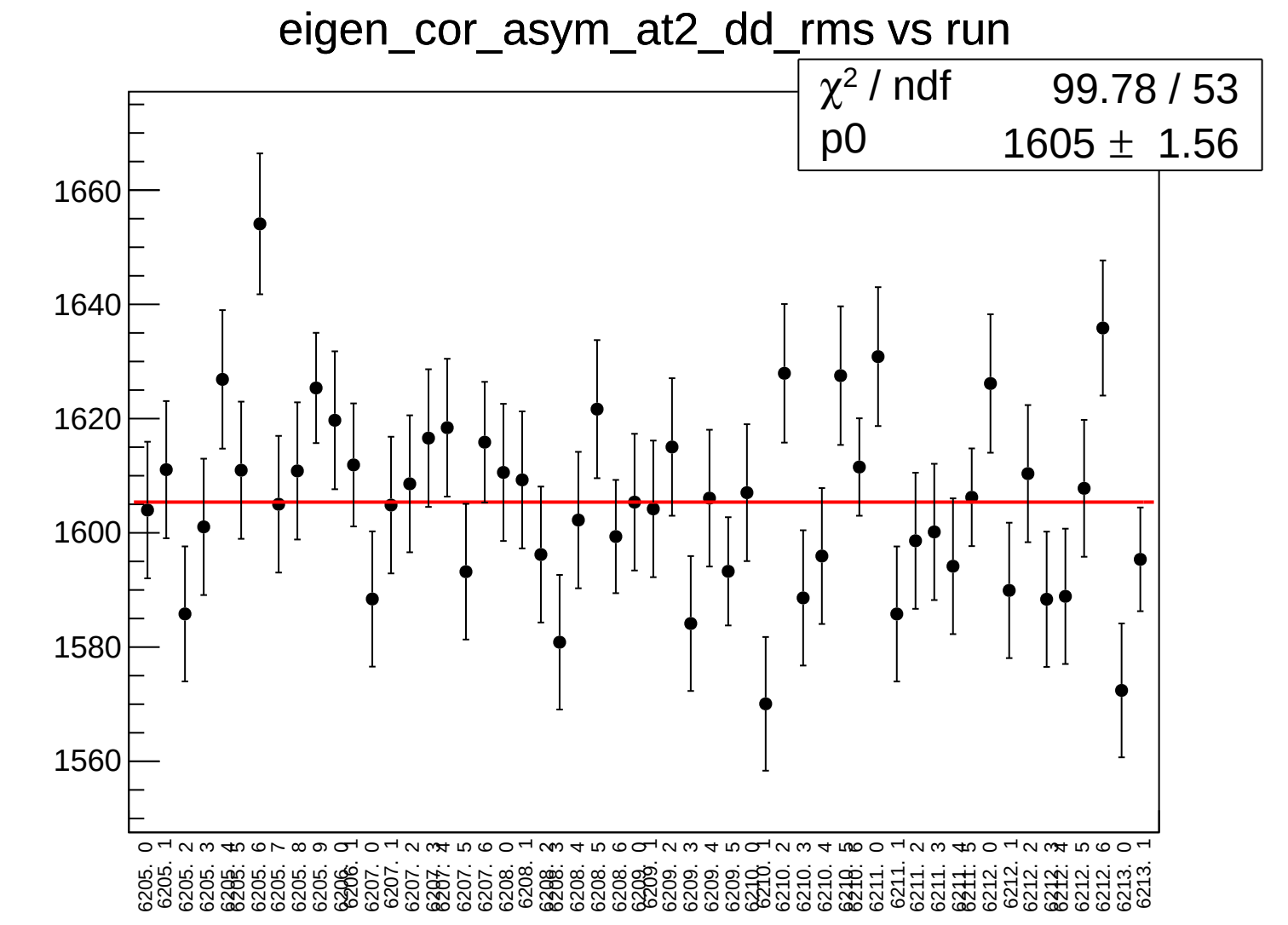
0
2
4
6
8


eigen_cor_asym_at2_dd_rms vs run
χ² / ndf 99.78 / 53
p0 1605 ± 1.56
1660
1640
1620
1600
1580
1560
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
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6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
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6208. 2
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6208. 4
6208. 5
6208. 6
6209. 0
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6209. 2
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6210. 0
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6211. 0
6211. 1
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6211. 3
6211. 4
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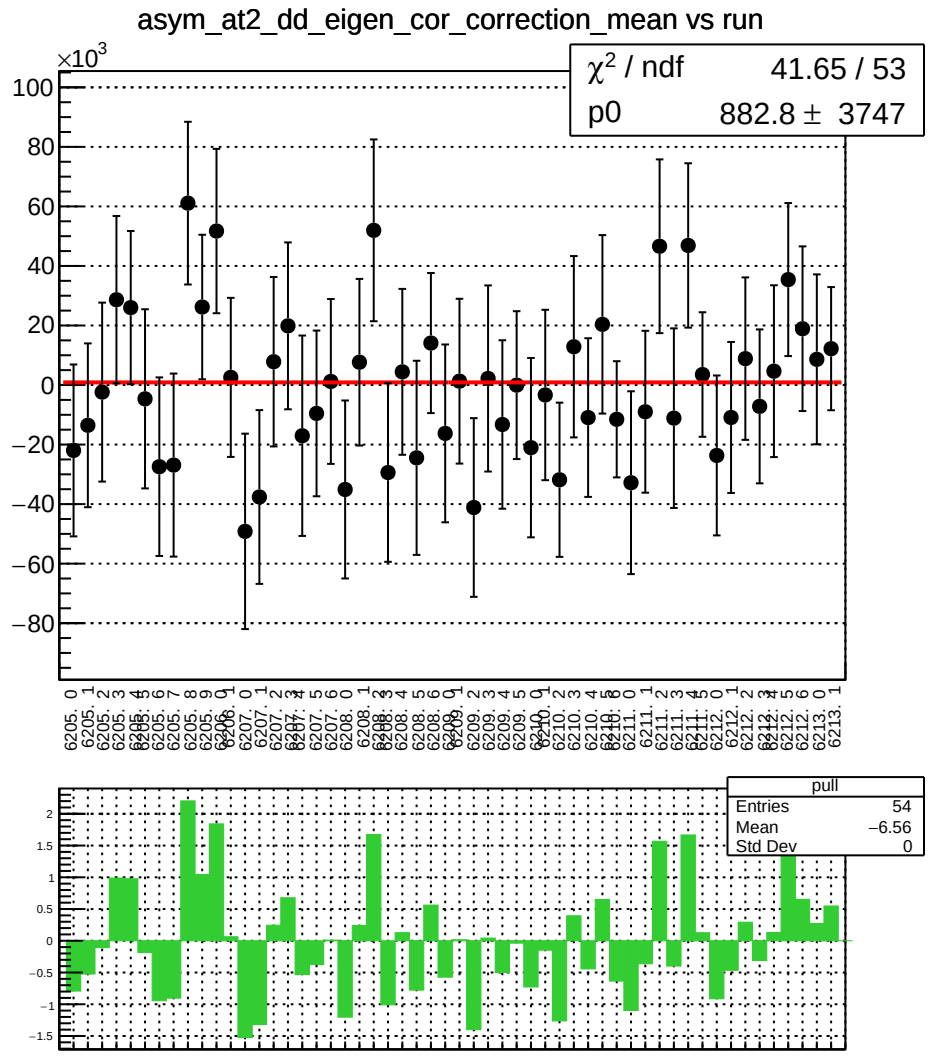
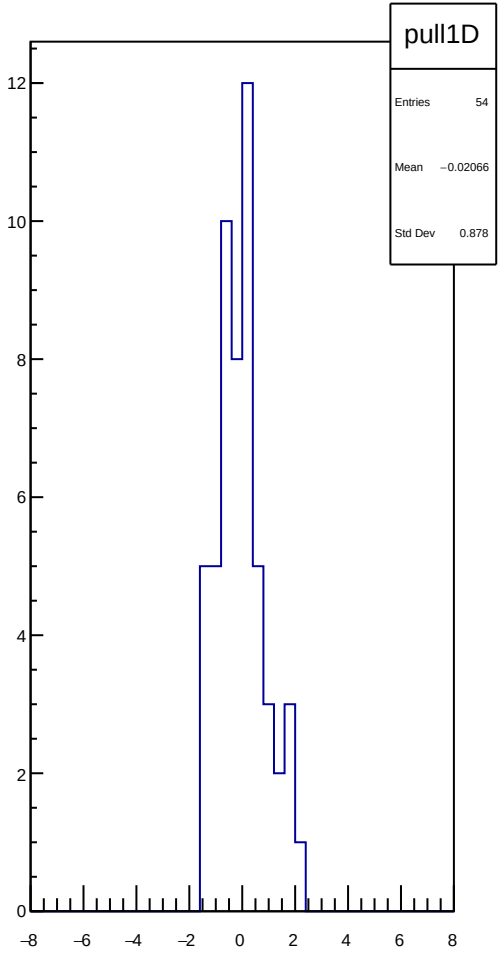
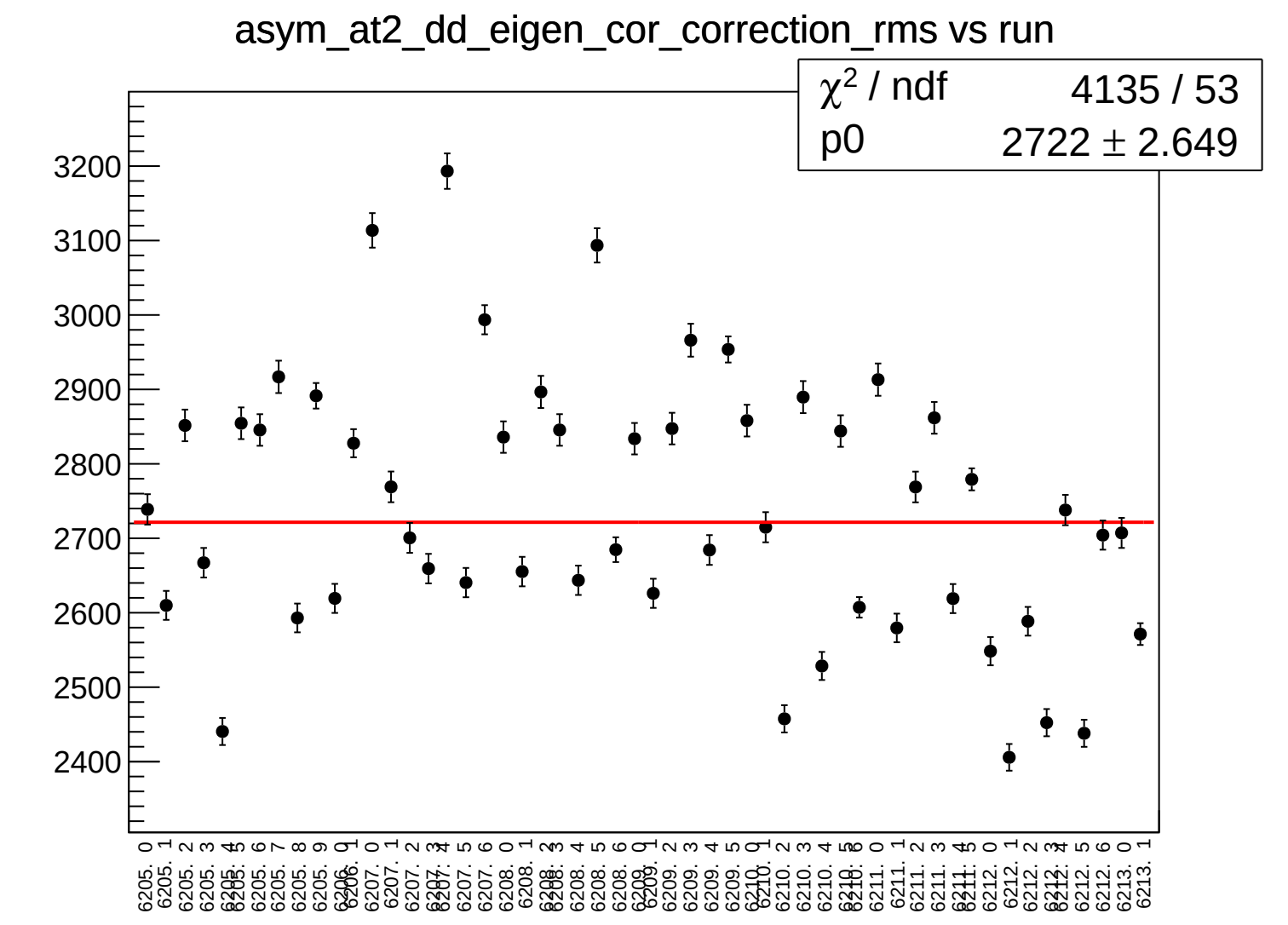
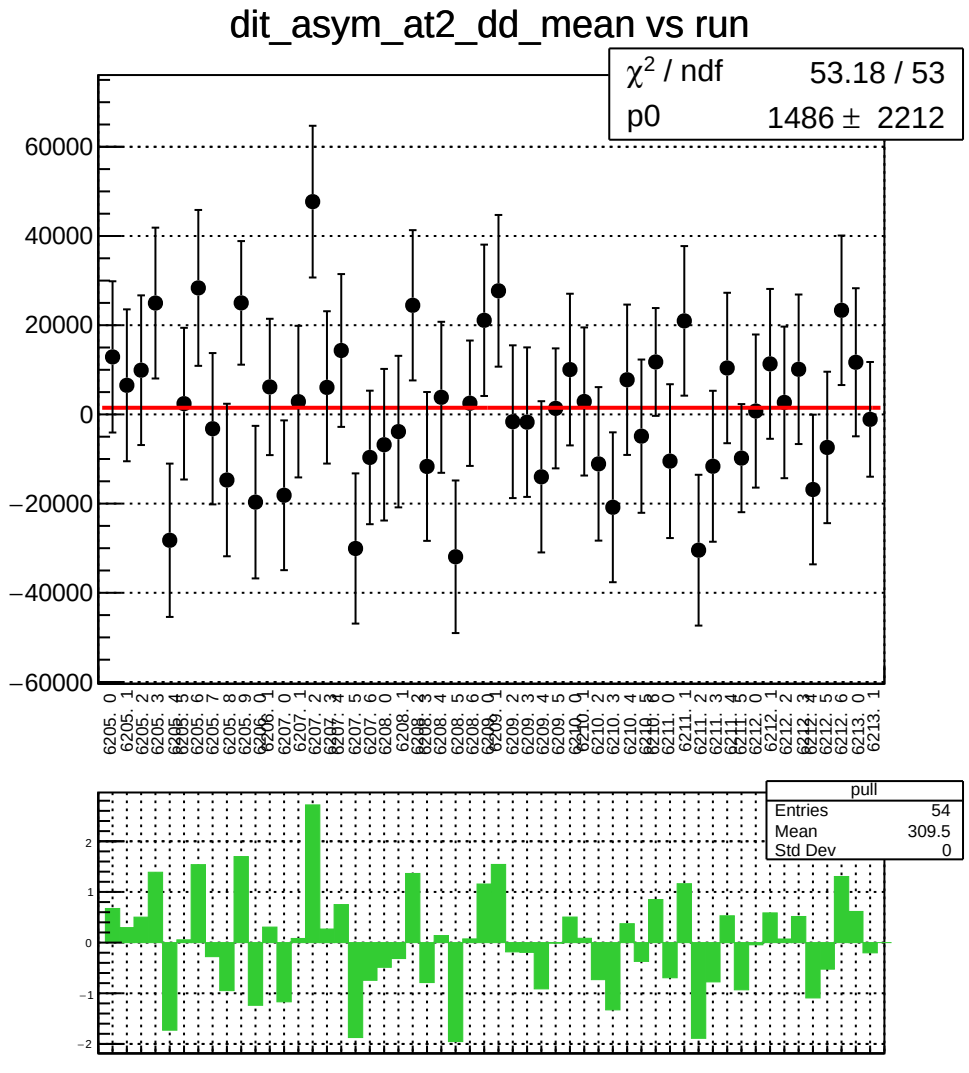
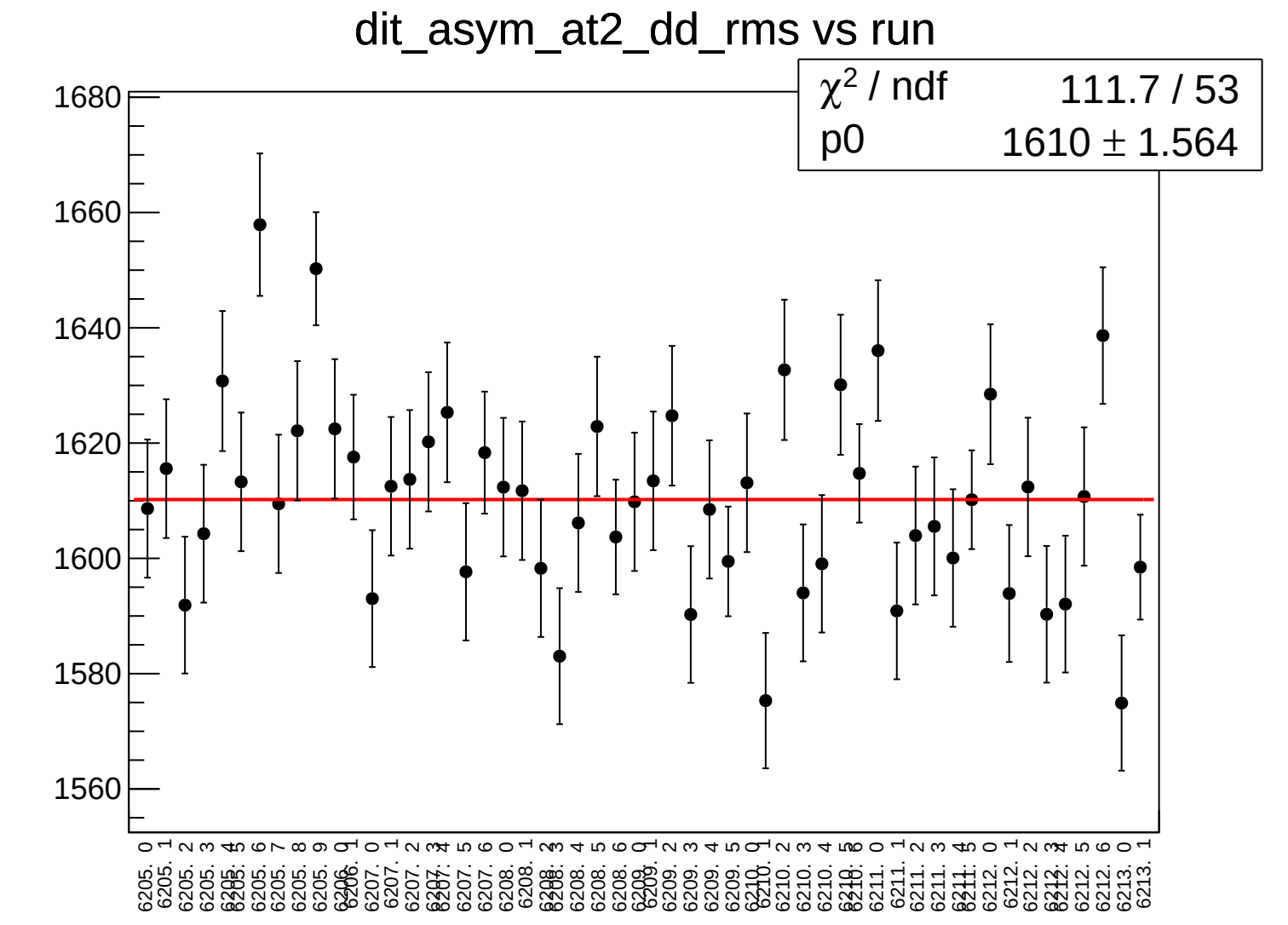
6213. 1

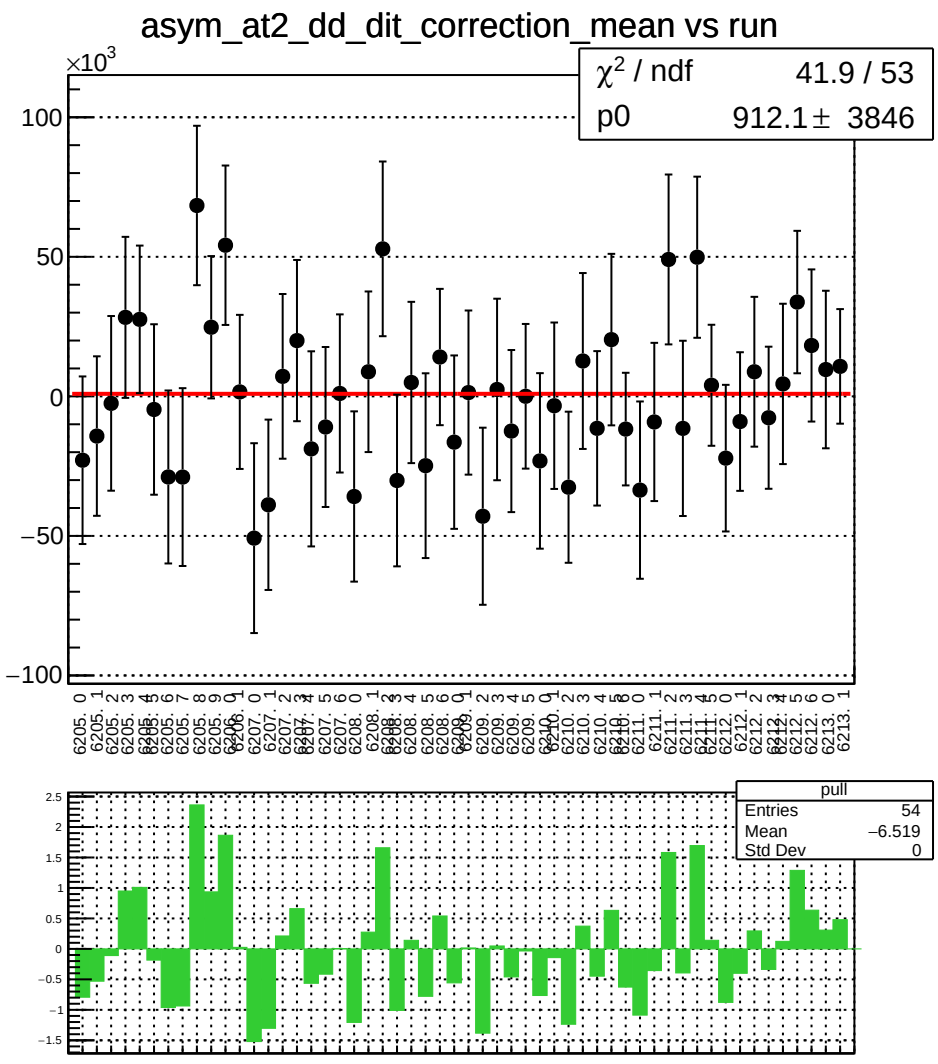

asym_at2_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 41.65 / 53
p0 882.8 ± 3747
pull
Entries 54
Mean −6.56
Std Dev 0

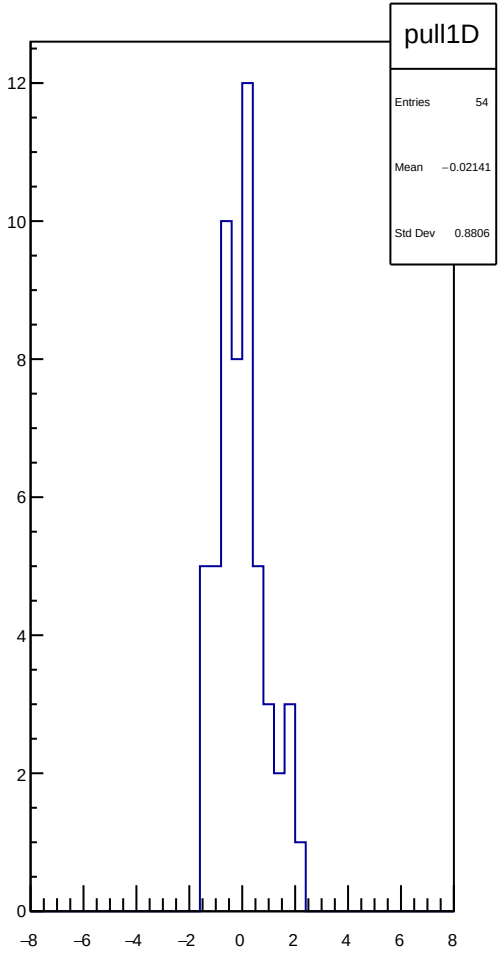

pull1D
Entries 54
Mean −0.02066
Std Dev 0.878

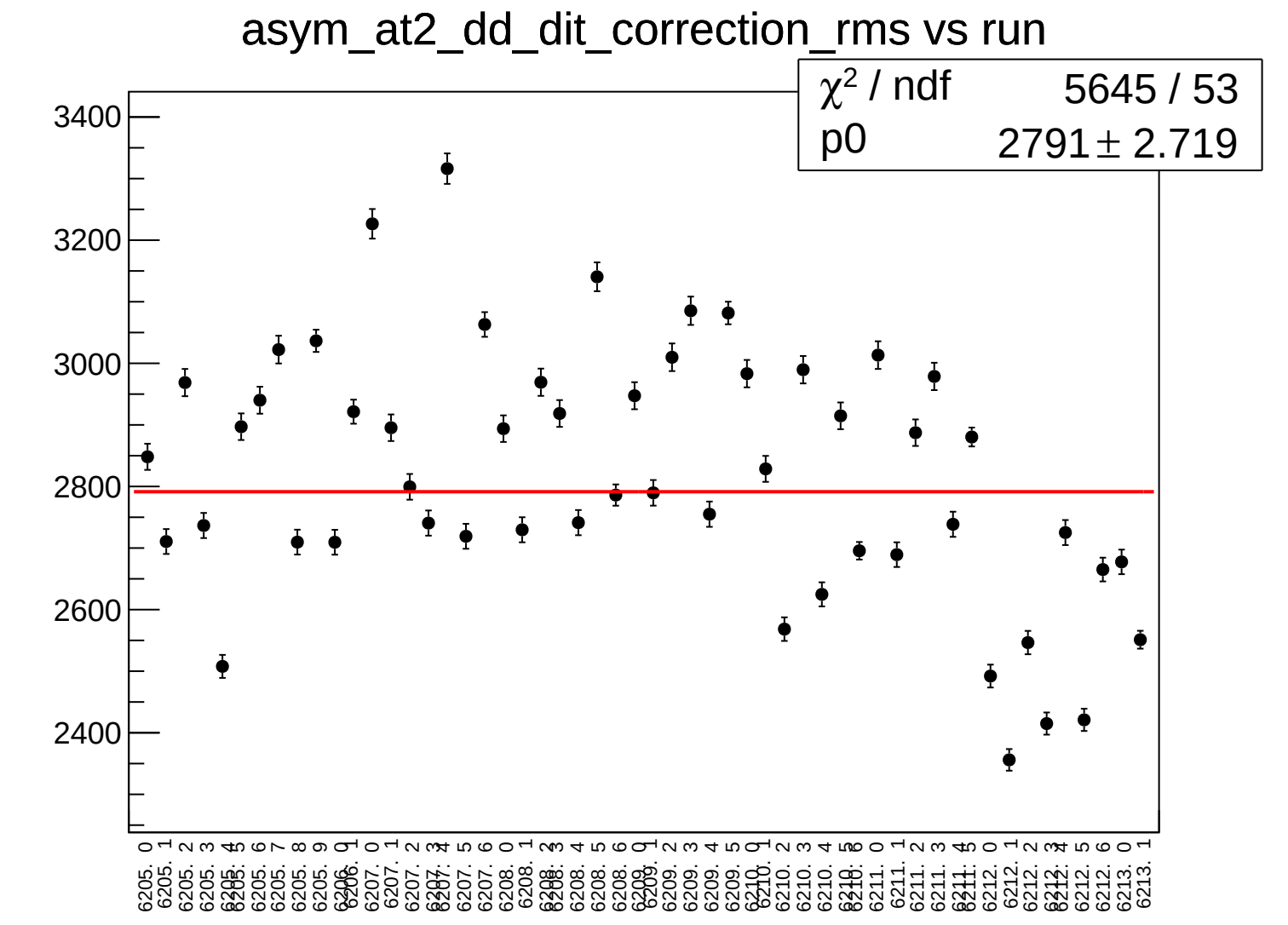

asym_at2_dd_eigen_cor_correction_rms vs run
χ² / ndf 4135 / 53
p0 2722 ± 2.649
3200
3100
3000
2900
2800
2700
2600
2500
2400
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

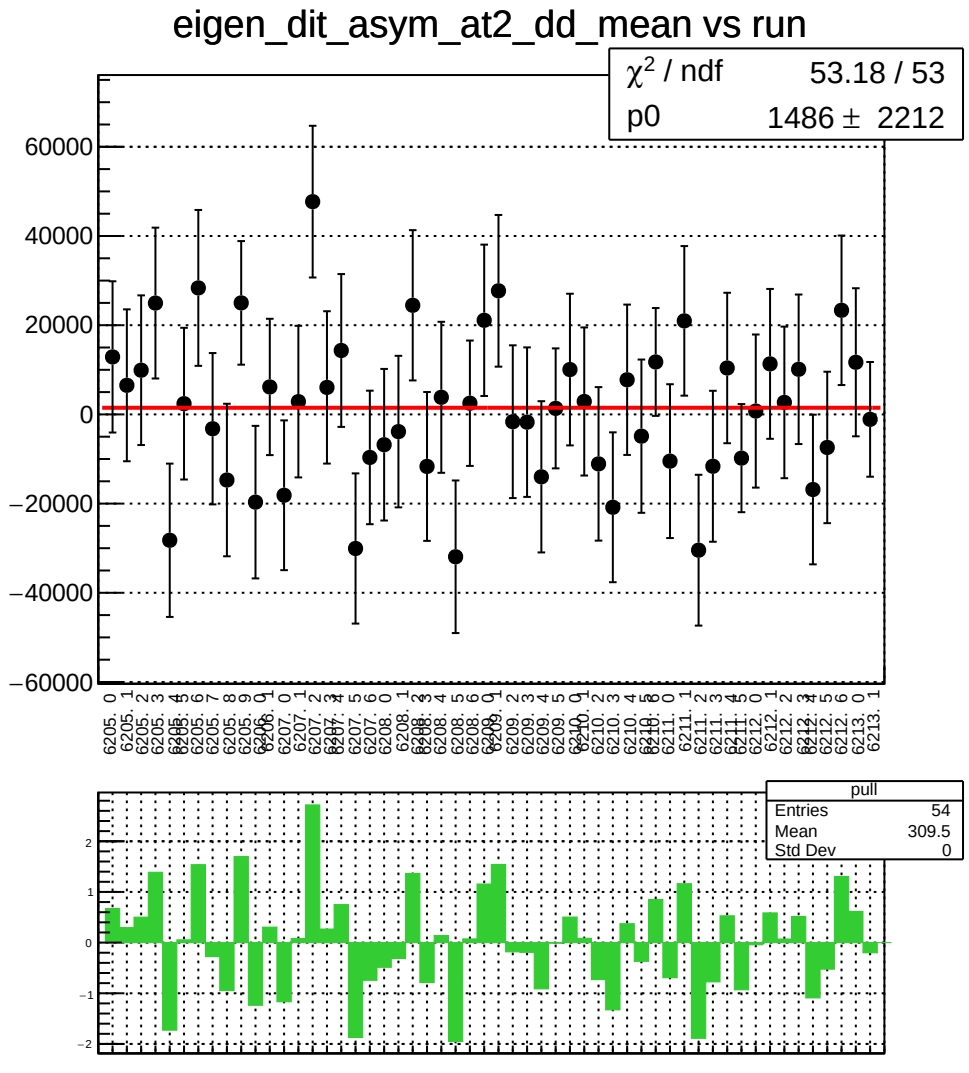

dit_asym_at2_dd_mean vs run
χ² / ndf 53.18 / 53
p0 1486 ± 2212
pull
Entries 54
Mean 309.5
Std Dev 0
pull1D
Entries 54
Mean −0.004809
Std Dev 0.9924

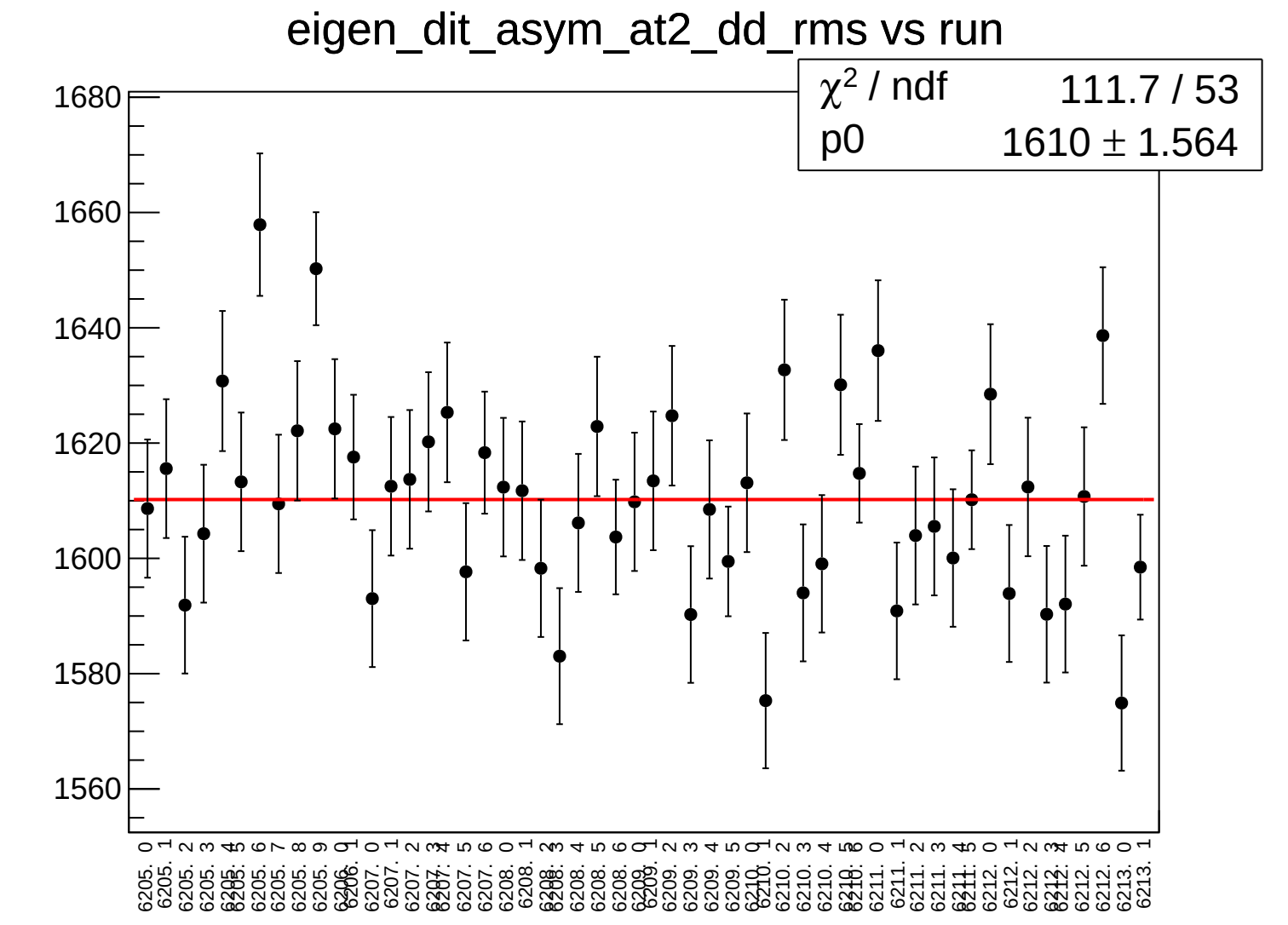

dit_asym_at2_dd_rms vs run
χ² / ndf 111.7 / 53
p0 1610 ± 1.564
1680
1660
1640
1620
1600
1580
1560
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

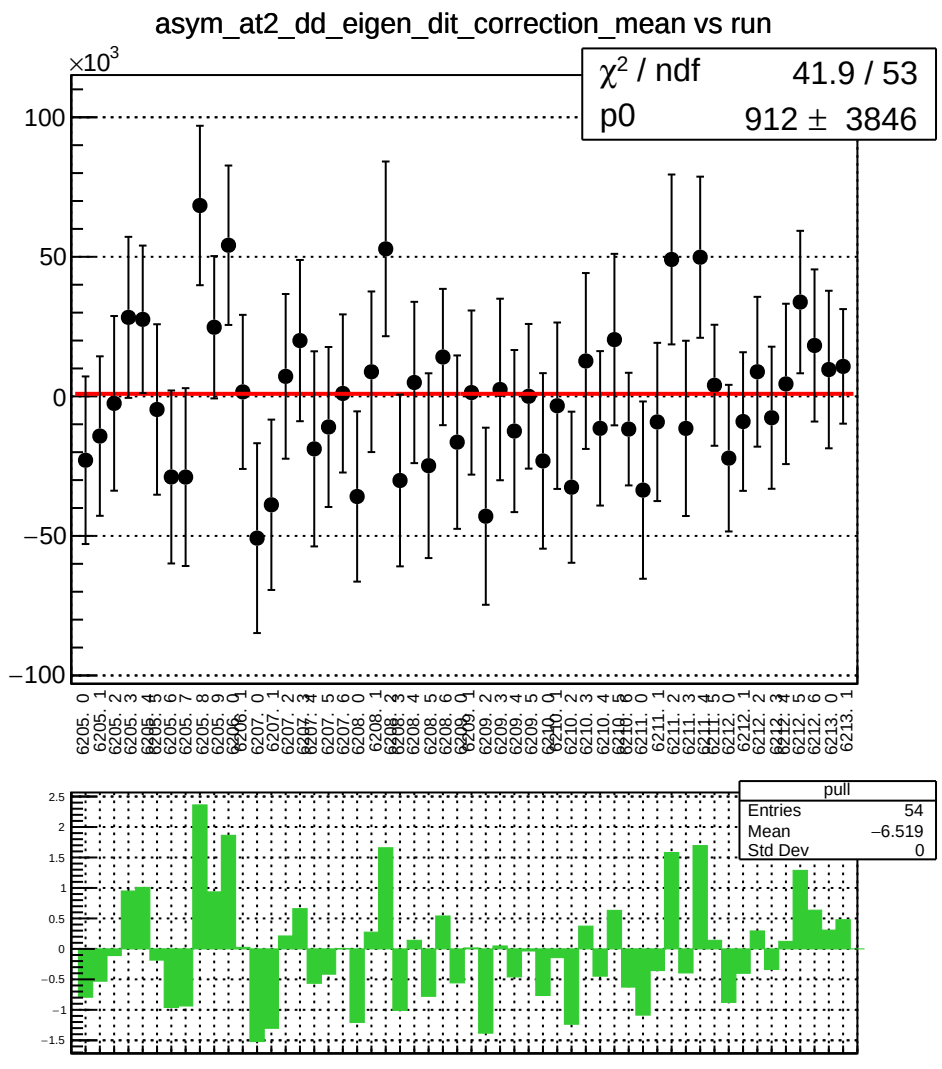

asym_at2_dd_dit_correction_mean vs run
×10^3
χ² / ndf 41.9 / 53
p0 912.1 ± 3846
100
50
0
−50
−100
pull
Entries 54
Mean −6.519
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

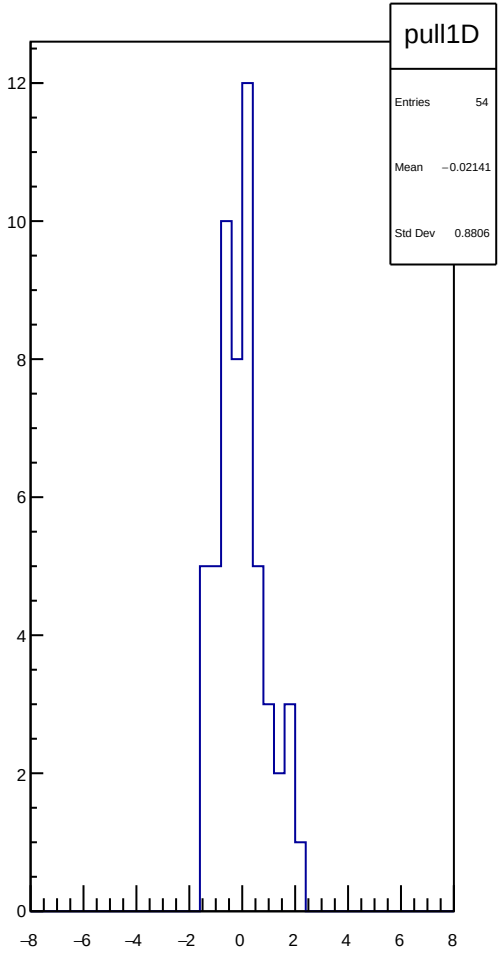

pull1D
Entries 54
Mean −0.02141
Std Dev 0.8806
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

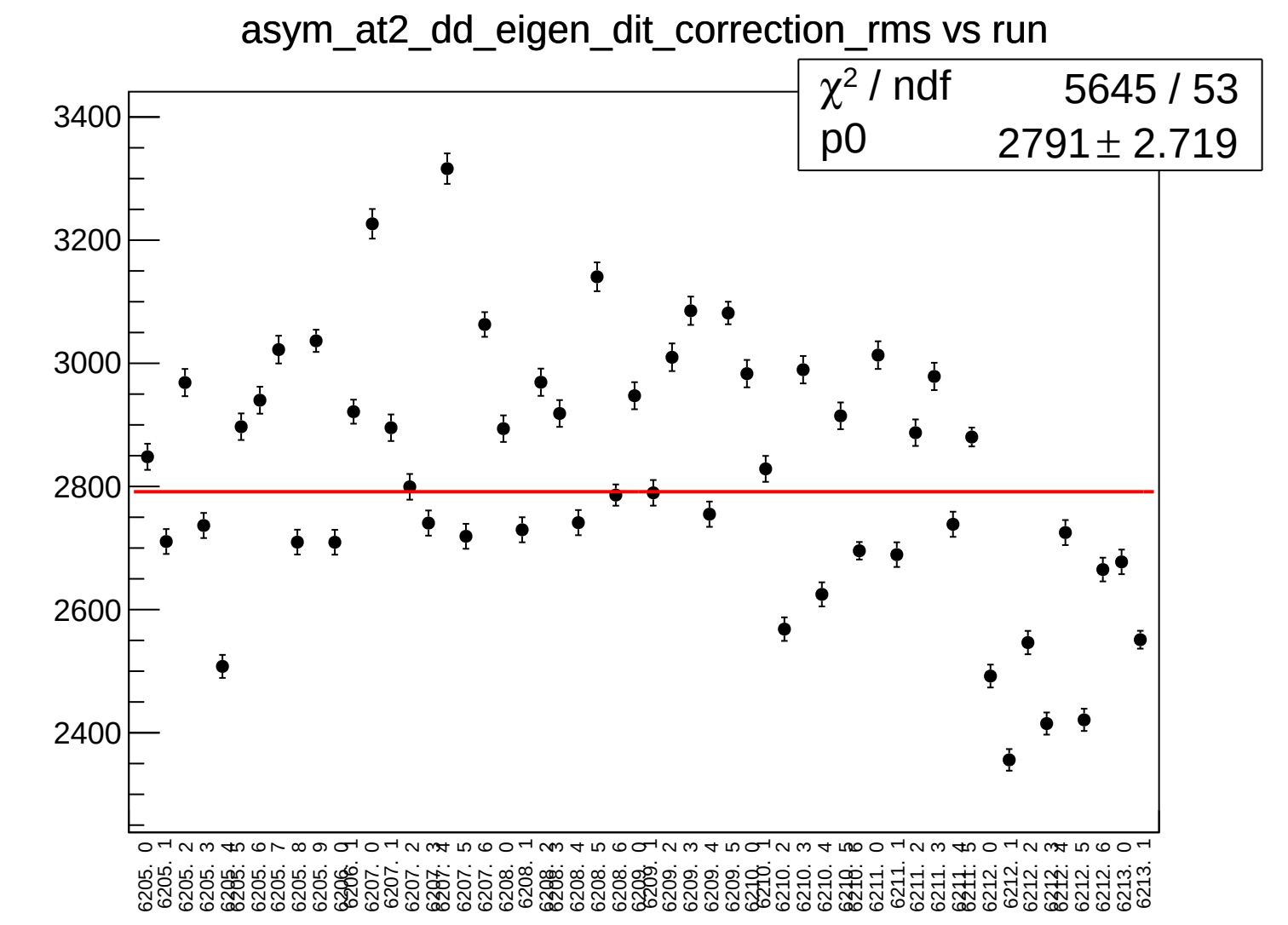

asym_at2_dd_dit_correction_rms vs run
χ² / ndf 5645 / 53
p0 2791 ± 2.719
3400
3200
3000
2800
2600
2400
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

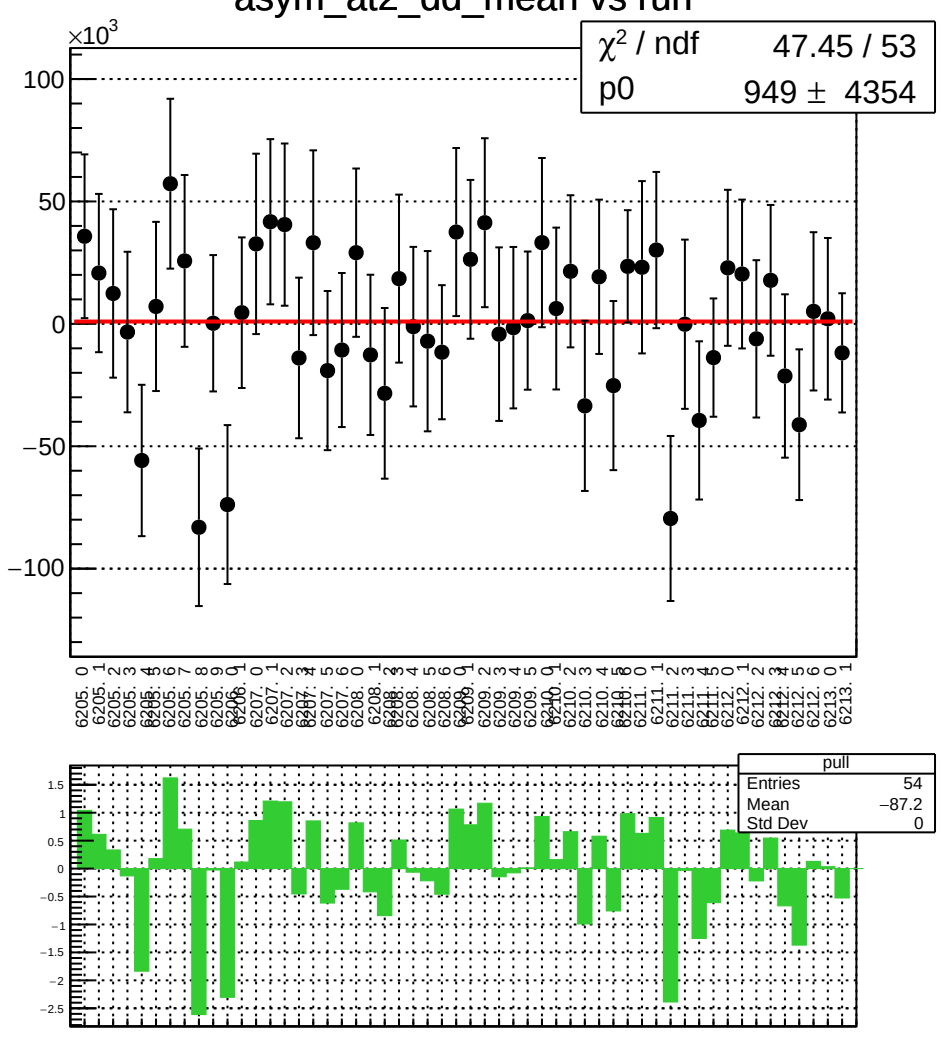

eigen_dit_asym_at2_dd_mean vs run
χ² / ndf 53.18 / 53
p0 1486 ± 2212
pull
Entries 54
Mean 309.5
Std Dev 0
pull1D
Entries 54
Mean −0.004809
Std Dev 0.9924

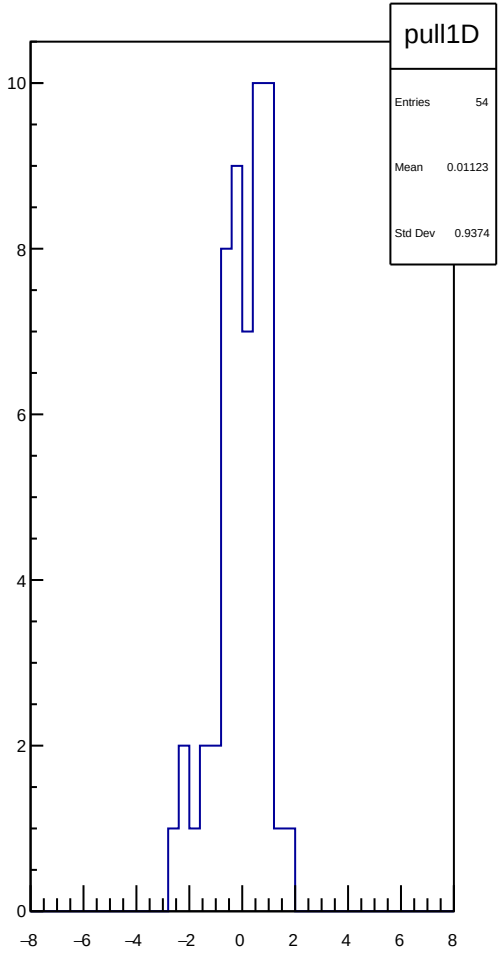

eigen_dit_asym_at2_dd_rms vs run
χ² / ndf 111.7 / 53
p0 1610 ± 1.564
1680
1660
1640
1620
1600
1580
1560
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

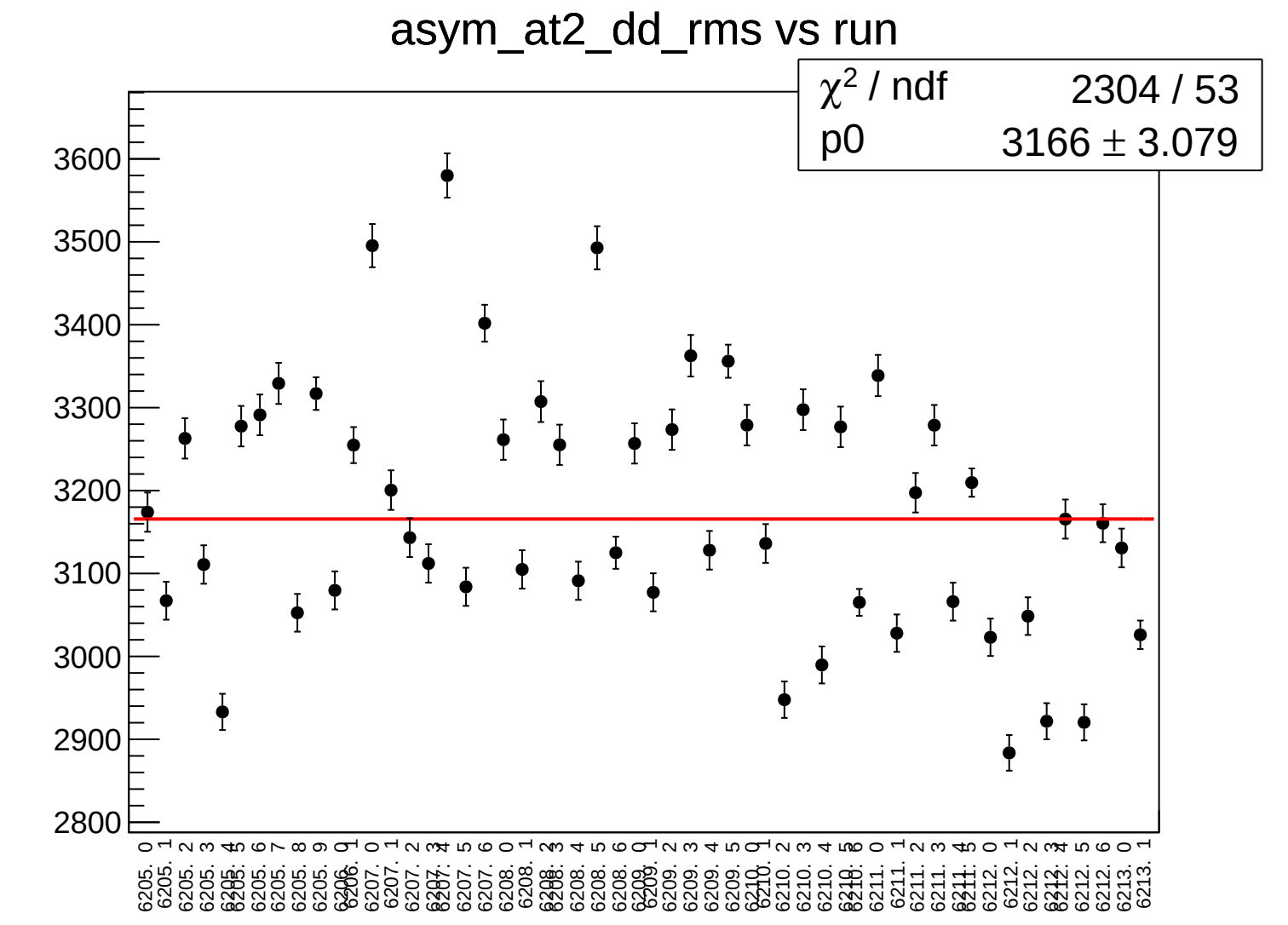

asym_at2_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 41.9 / 53
p0 912 ± 3846
100
50
0
−50
−100
pull
Entries 54
Mean −6.519
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

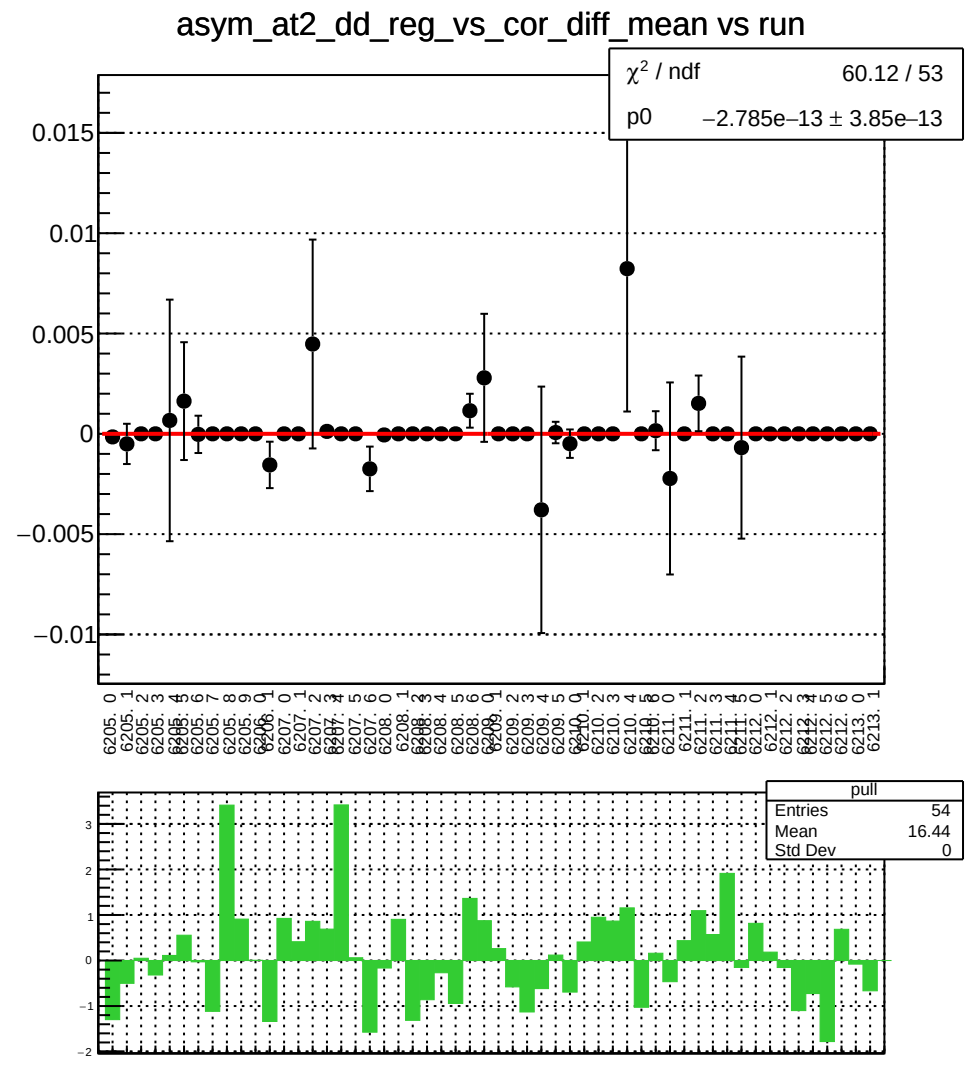

pull1D
Entries 54
Mean −0.02141
Std Dev 0.8806
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

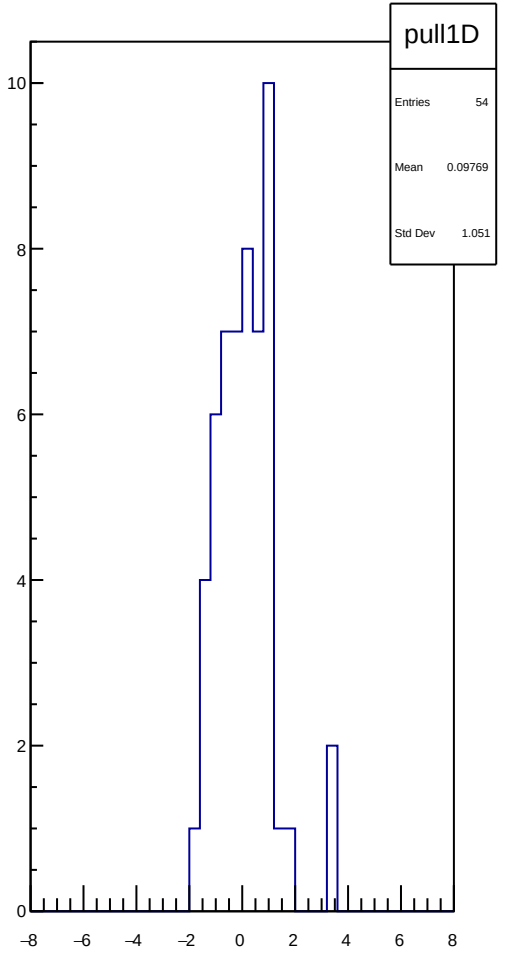

asym_at2_dd_eigen_dit_correction_rms vs run
χ² / ndf 5645 / 53
p0 2791 ± 2.719
3400
3200
3000
2800
2600
2400
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

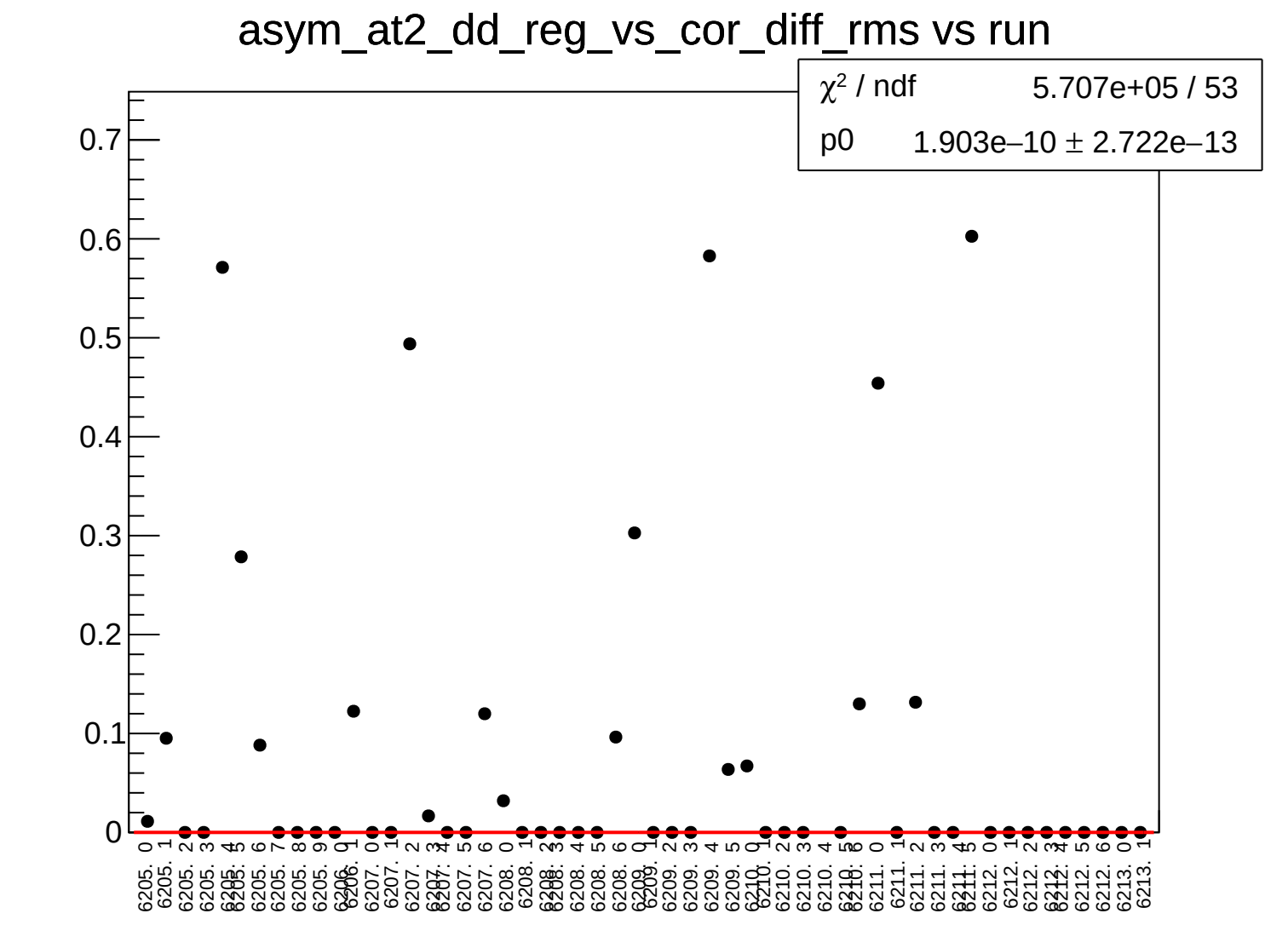

asym_at2_dd_mean vs run
×10^3
χ² / ndf 47.45 / 53
p0 949 ± 4354
100
50
0
−50
−100
pull
Entries 54
Mean −87.2
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

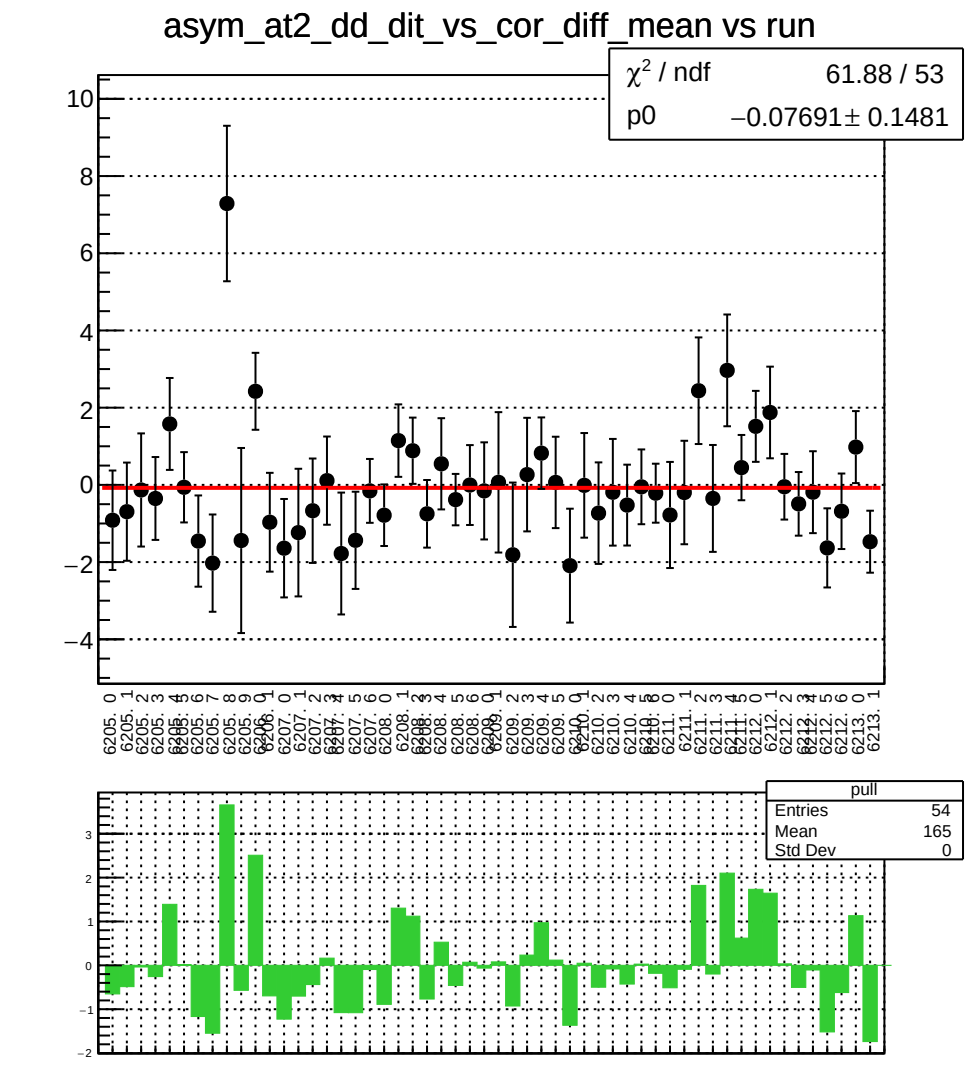

pull1D
Entries 54
Mean 0.01123
Std Dev 0.9374
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

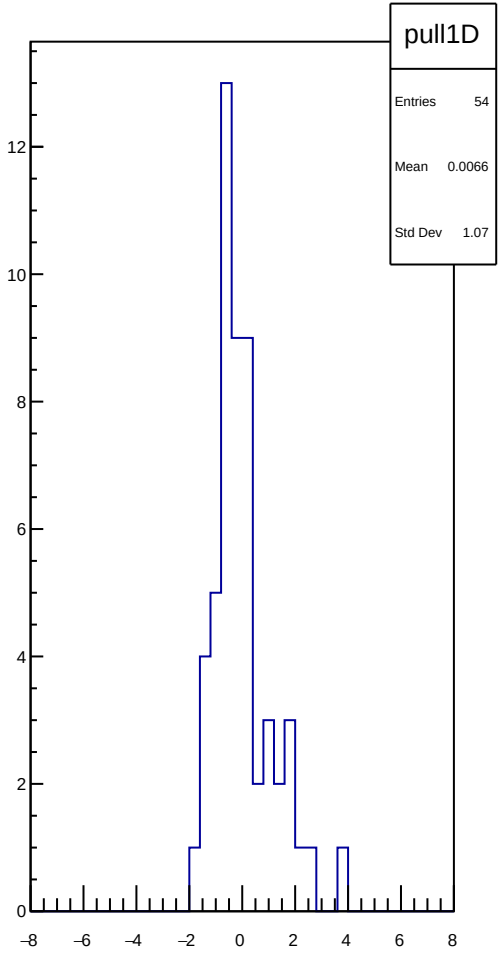

asym_at2_dd_rms vs run
χ² / ndf 2304 / 53
p0 3166 ± 3.079
3600
3500
3400
3300
3200
3100
3000
2900
2800
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

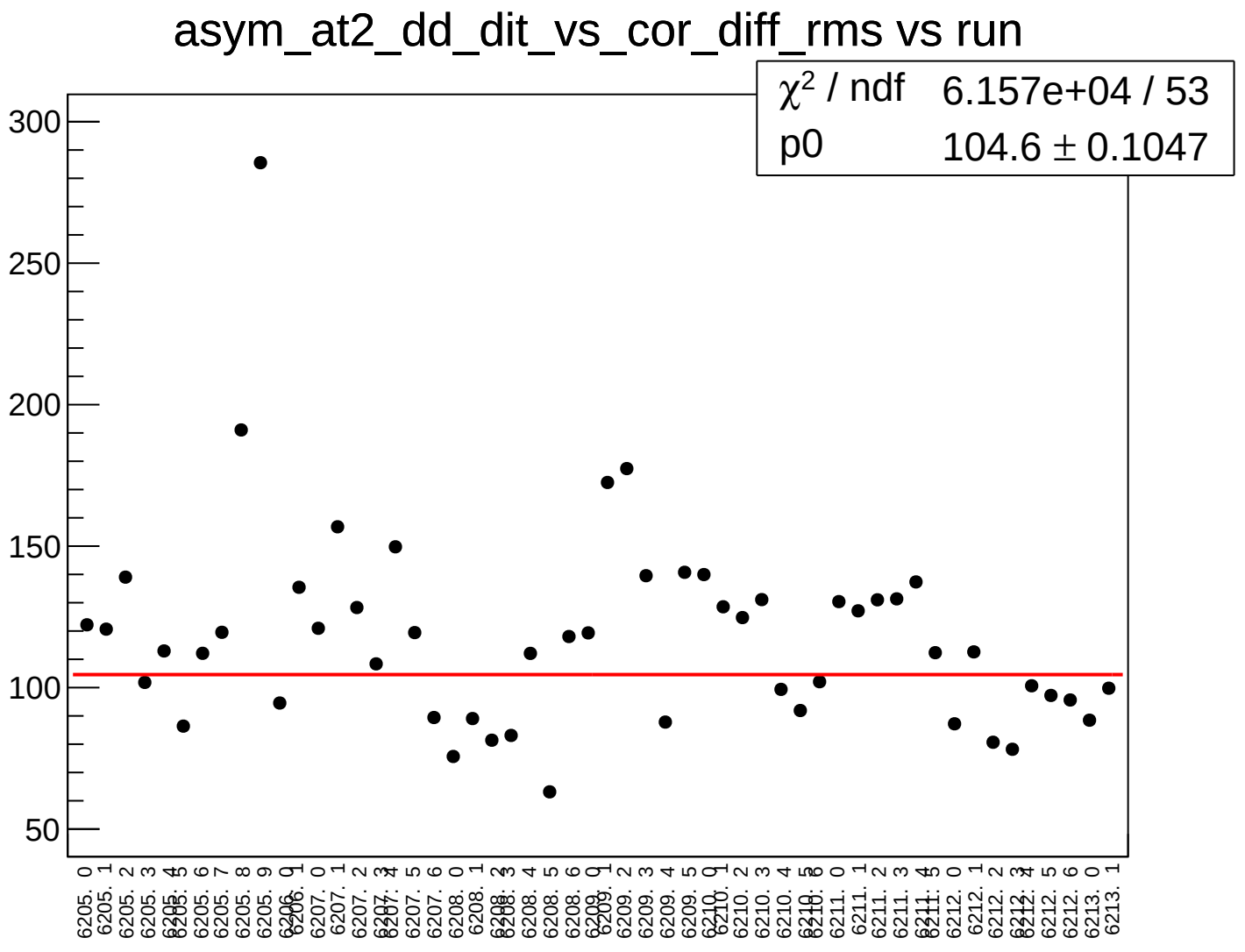

asym_at2_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 60.12 / 53
p0 −2.785e−13 ± 3.85e−13
0.015
0.01
0.005
0
−0.005
−0.01
pull
Entries 54
Mean 16.44
Std Dev 0
3
2
1
0
−1
−2

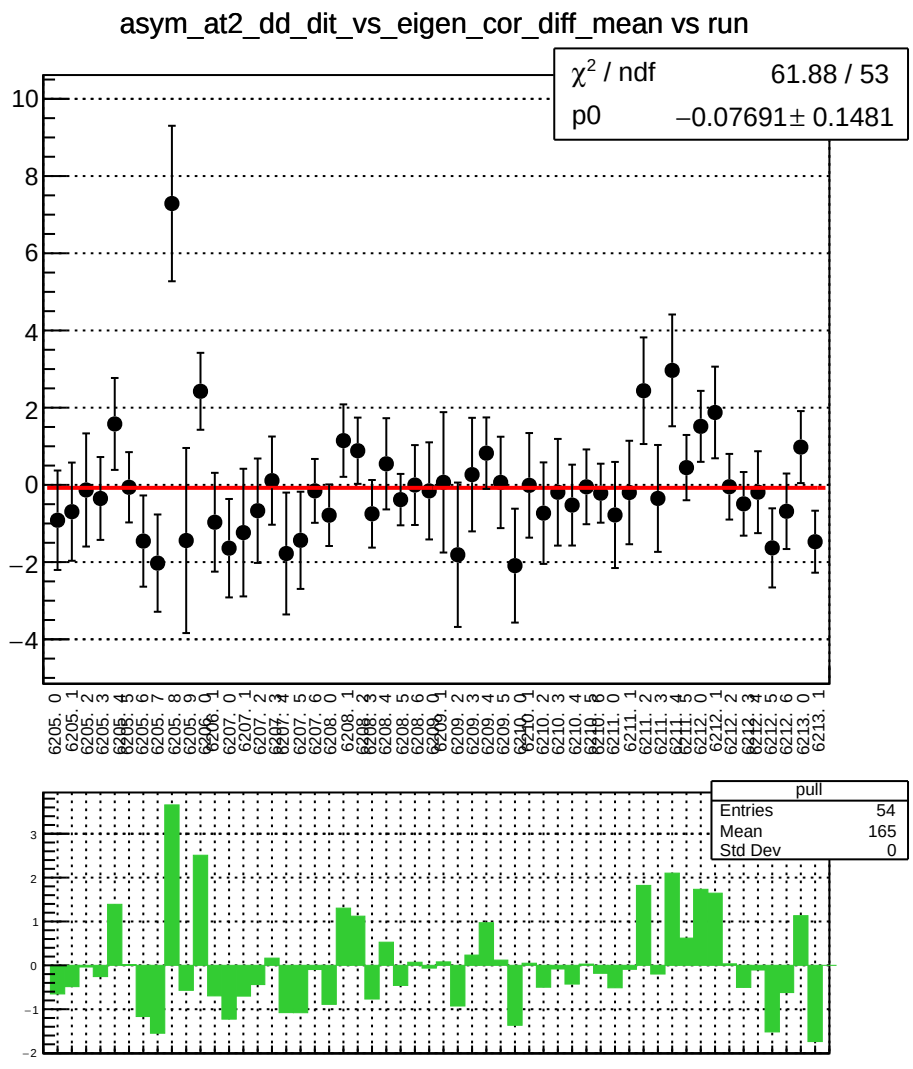

pull1D
Entries 54
Mean 0.09769
Std Dev 1.051
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

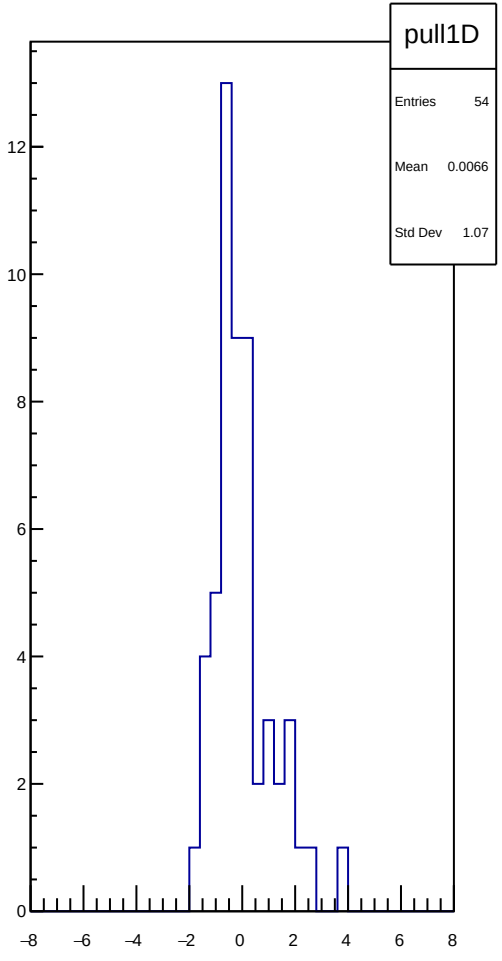

asym_at2_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.707e+05 / 53
p0 1.903e−10 ± 2.722e−13
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 1
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 5
6212. 6
6213. 0
6213. 1

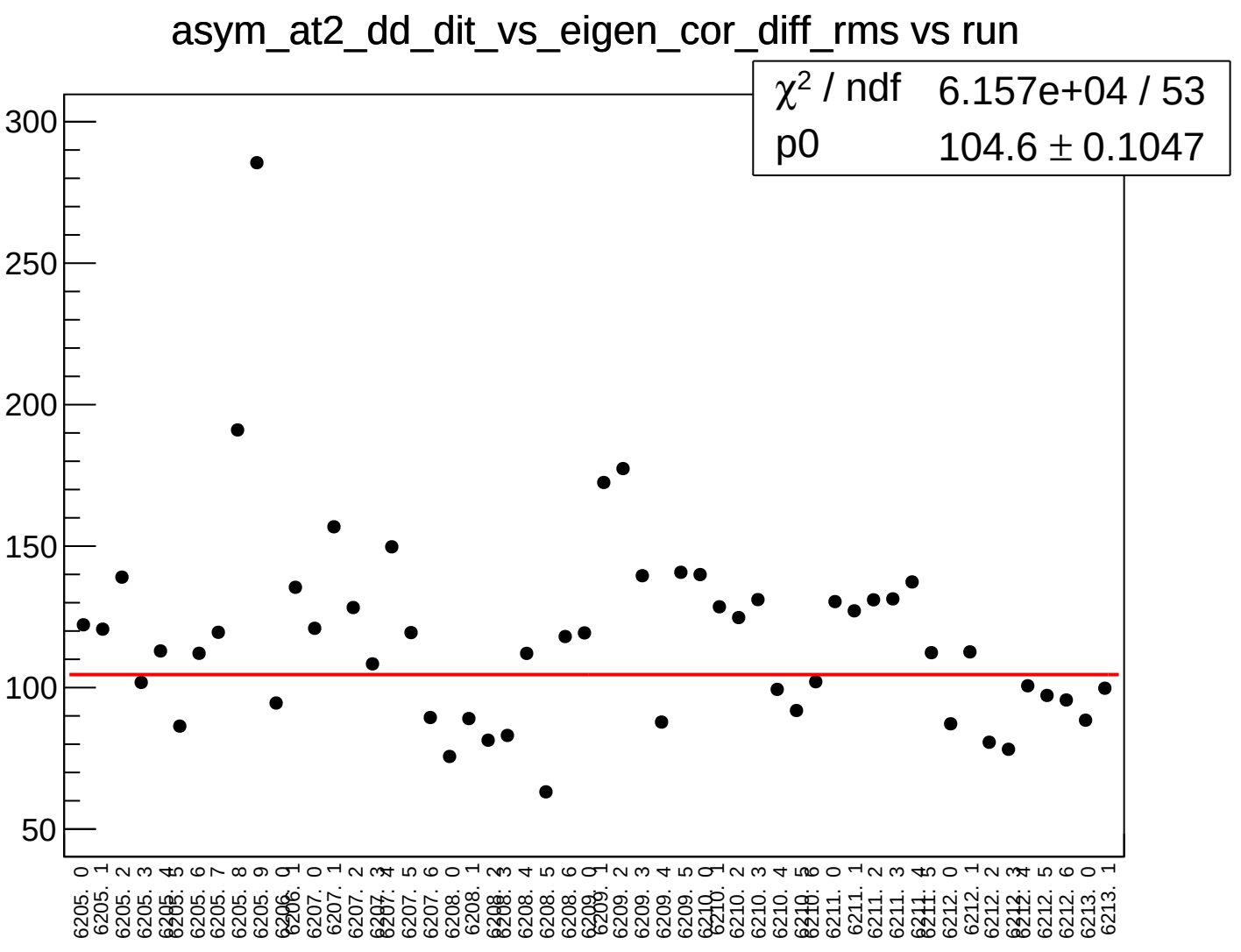

asym_at2_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 61.88 / 53
p0 −0.07691 ± 0.1481
pull
Entries 54
Mean 165
Std Dev 0

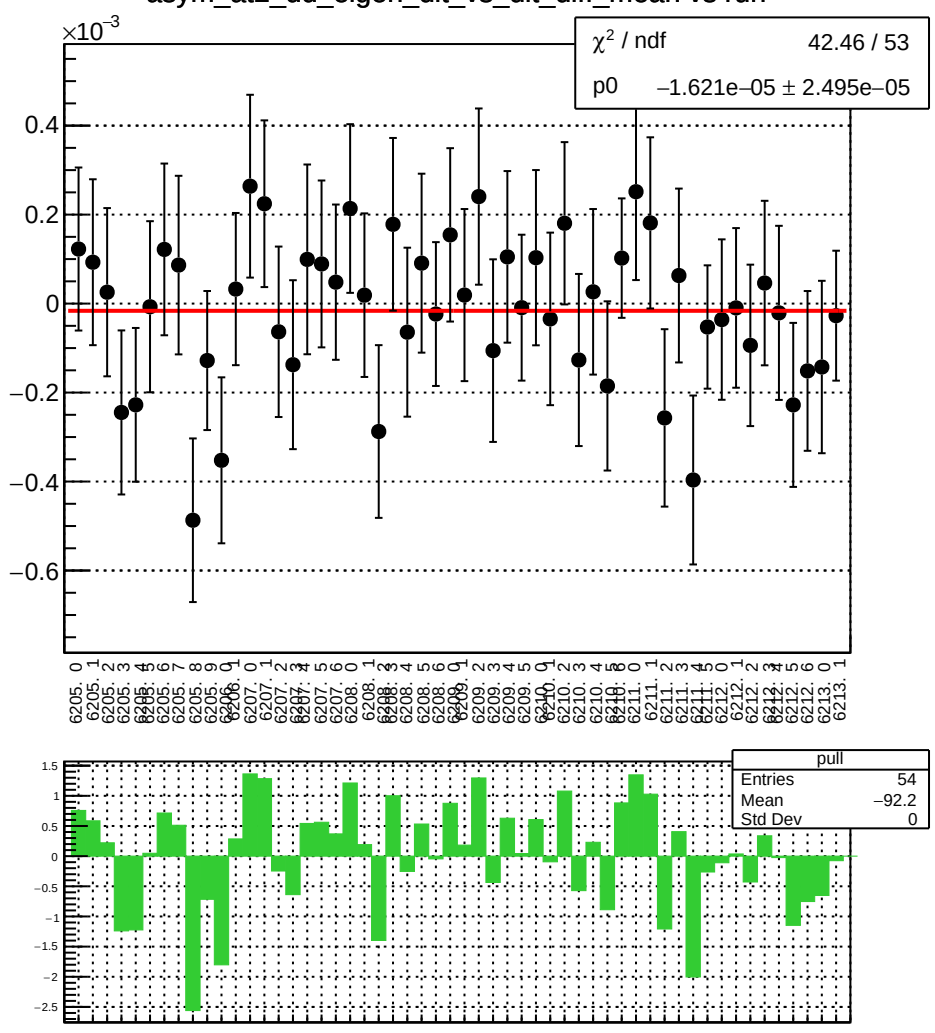

pull1D
Entries 54
Mean 0.0066
Std Dev 1.07

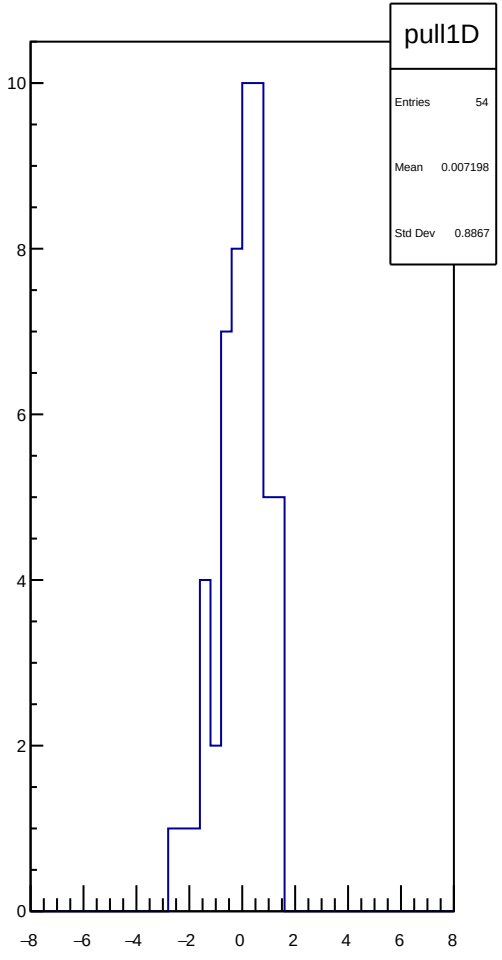

asym_at2_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 6.157e+04 / 53
p0 104.6 ± 0.1047
300
250
200
150
100
50
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

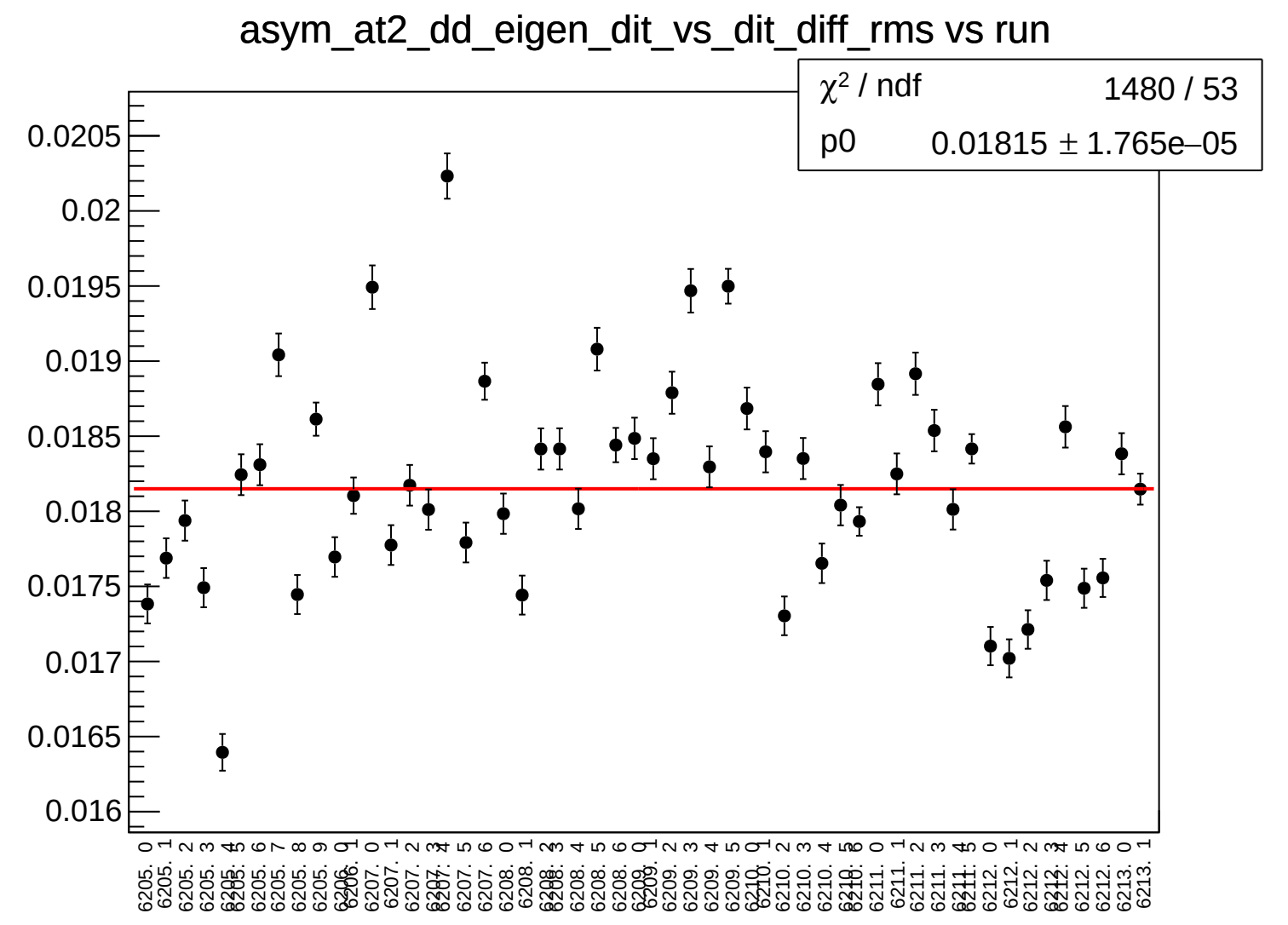

asym_at2_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 61.88 / 53
p0 −0.07691 ± 0.1481
pull
Entries 54
Mean 165
Std Dev 0

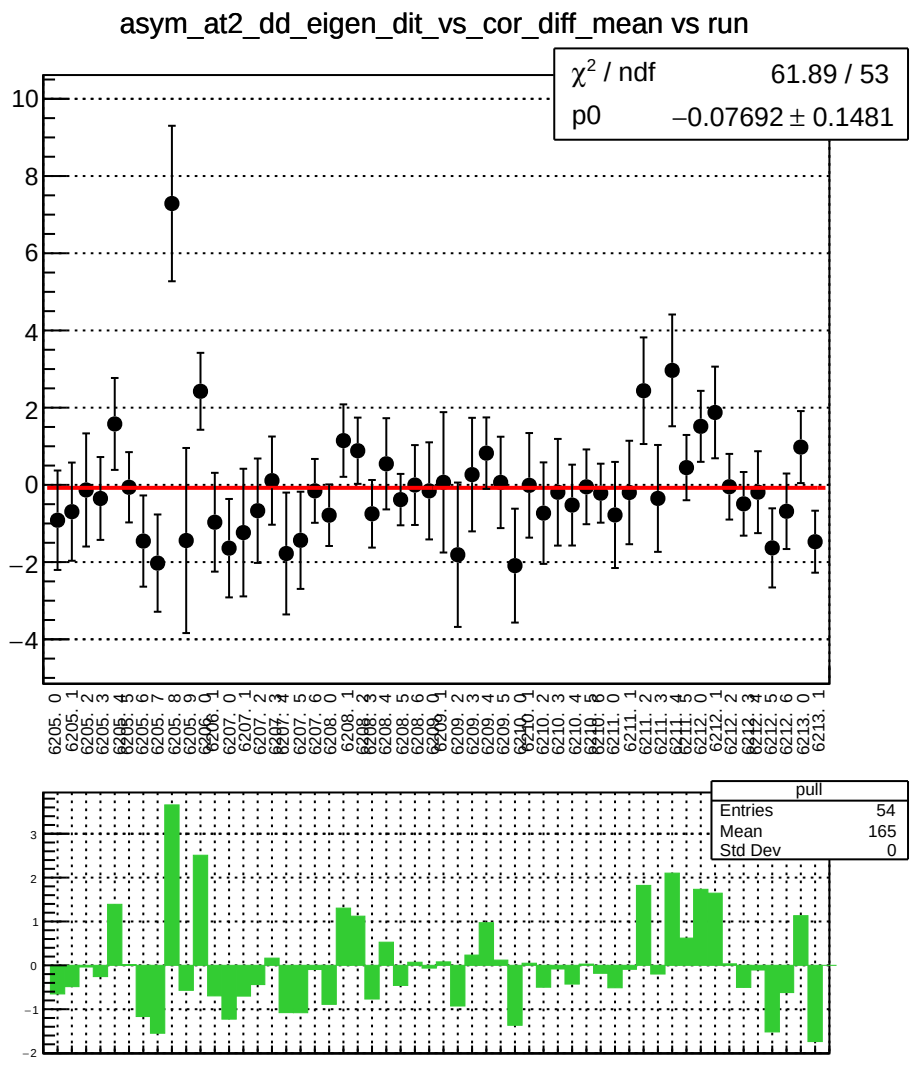

pull1D
Entries 54
Mean 0.0066
Std Dev 1.07

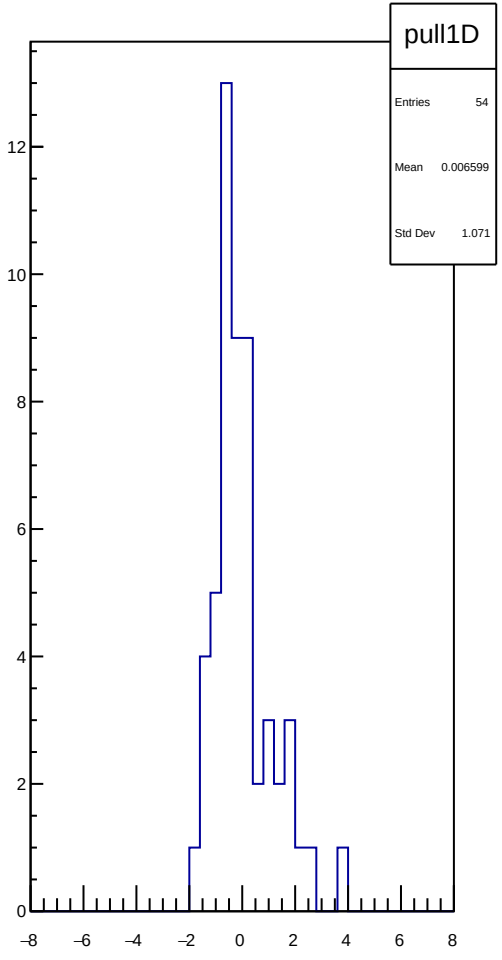

asym_at2_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.157e+04 / 53
p0 104.6 ± 0.1047
300
250
200
150
100
50
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

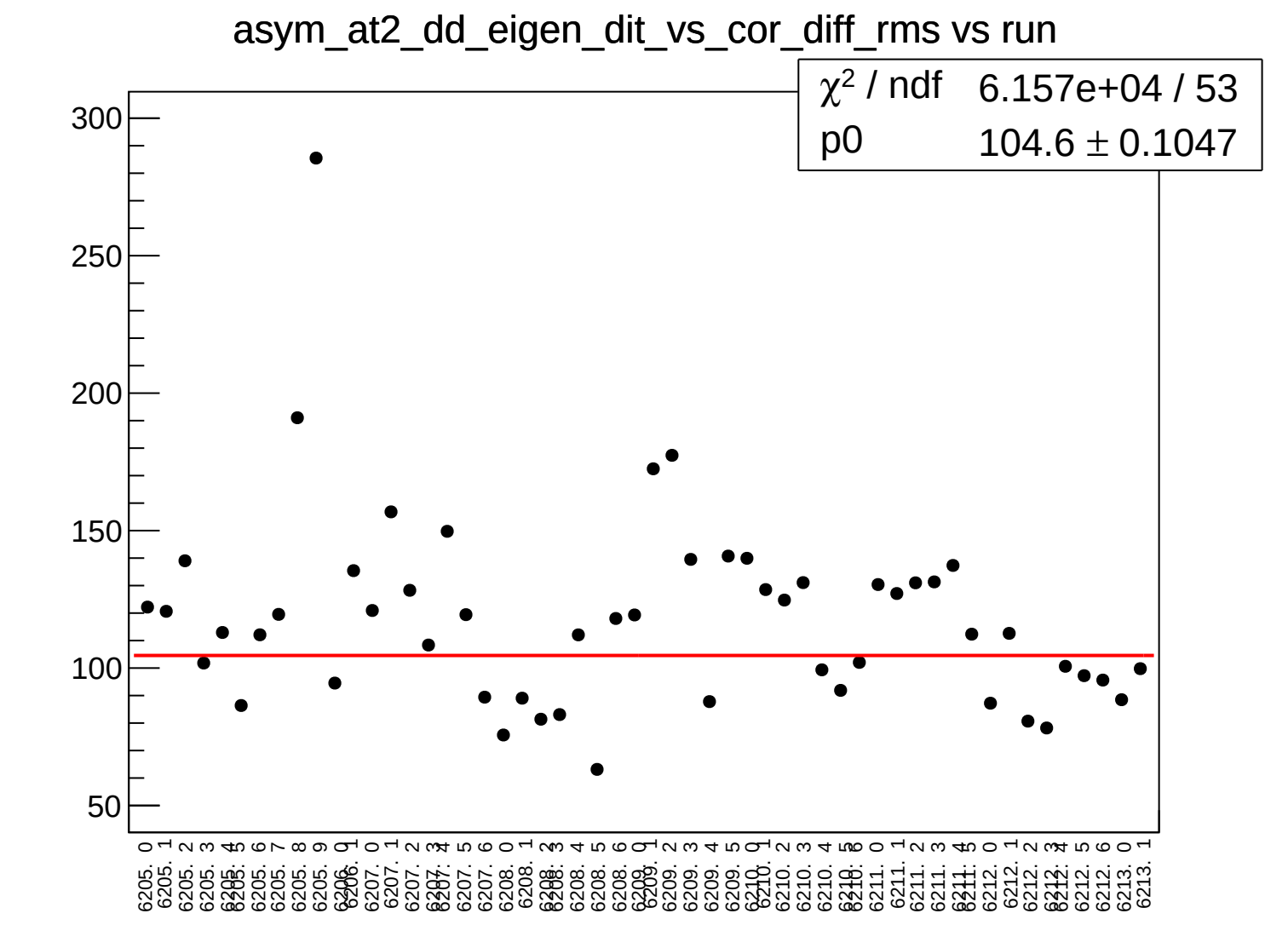

asym_at2_dd_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 42.46 / 53
p0 −1.621e−05 ± 2.495e−05
pull
Entries 54
Mean −92.2
Std Dev 0

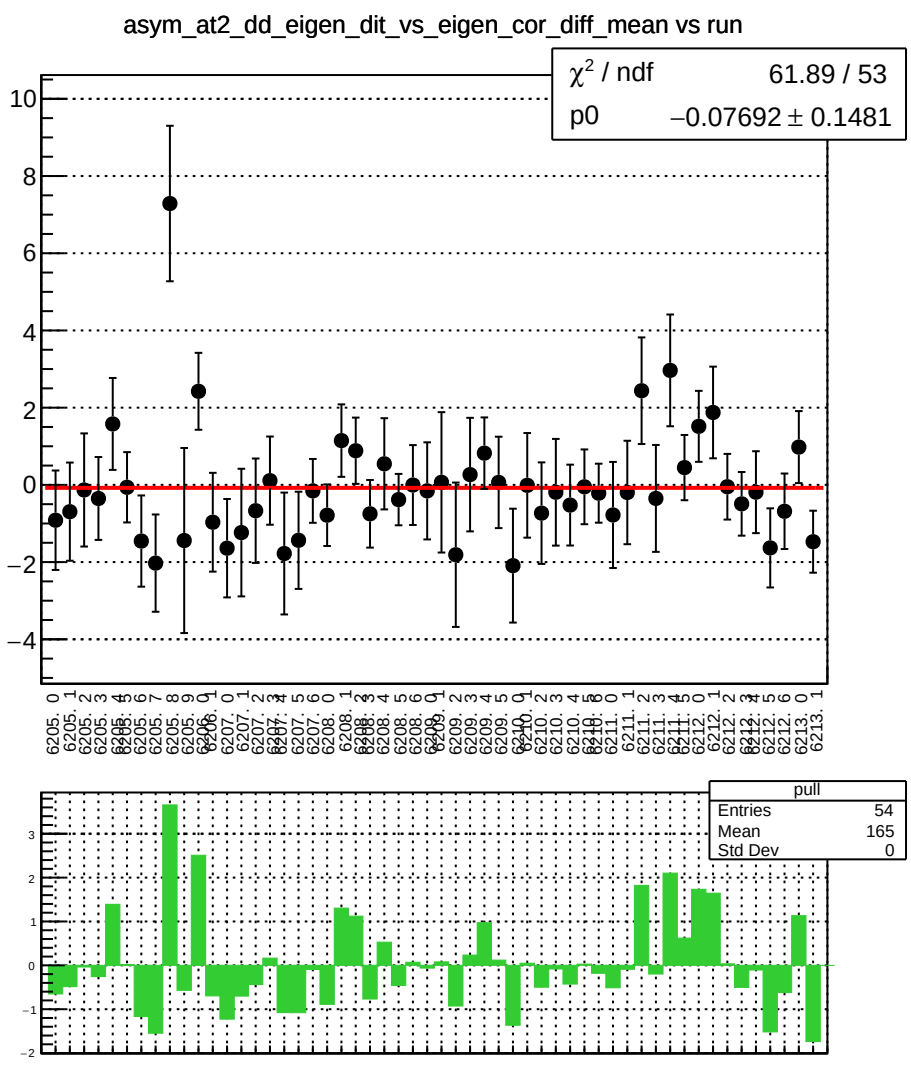

pull1D
Entries 54
Mean 0.007198
Std Dev 0.8867

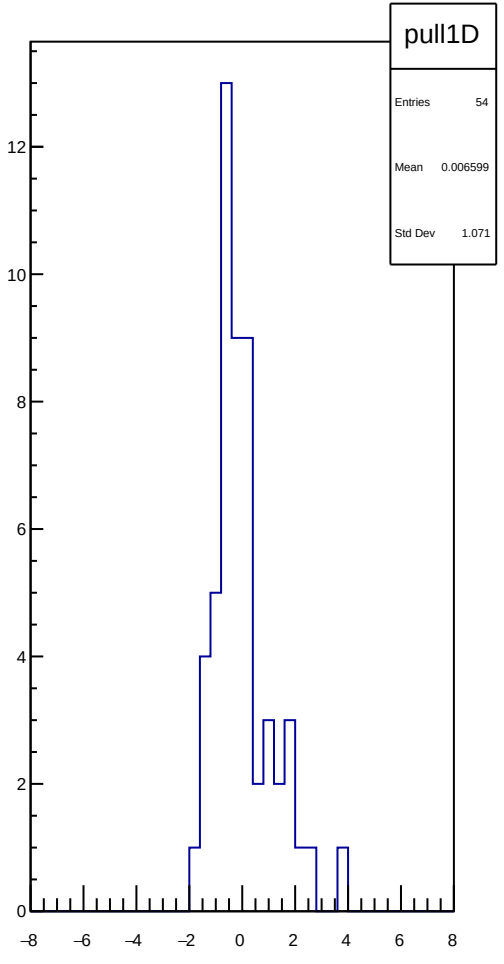

asym_at2_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1480 / 53
p0 0.01815 ± 1.765e–05
0.0205
0.02
0.0195
0.019
0.0185
0.018
0.0175
0.017
0.0165
0.016

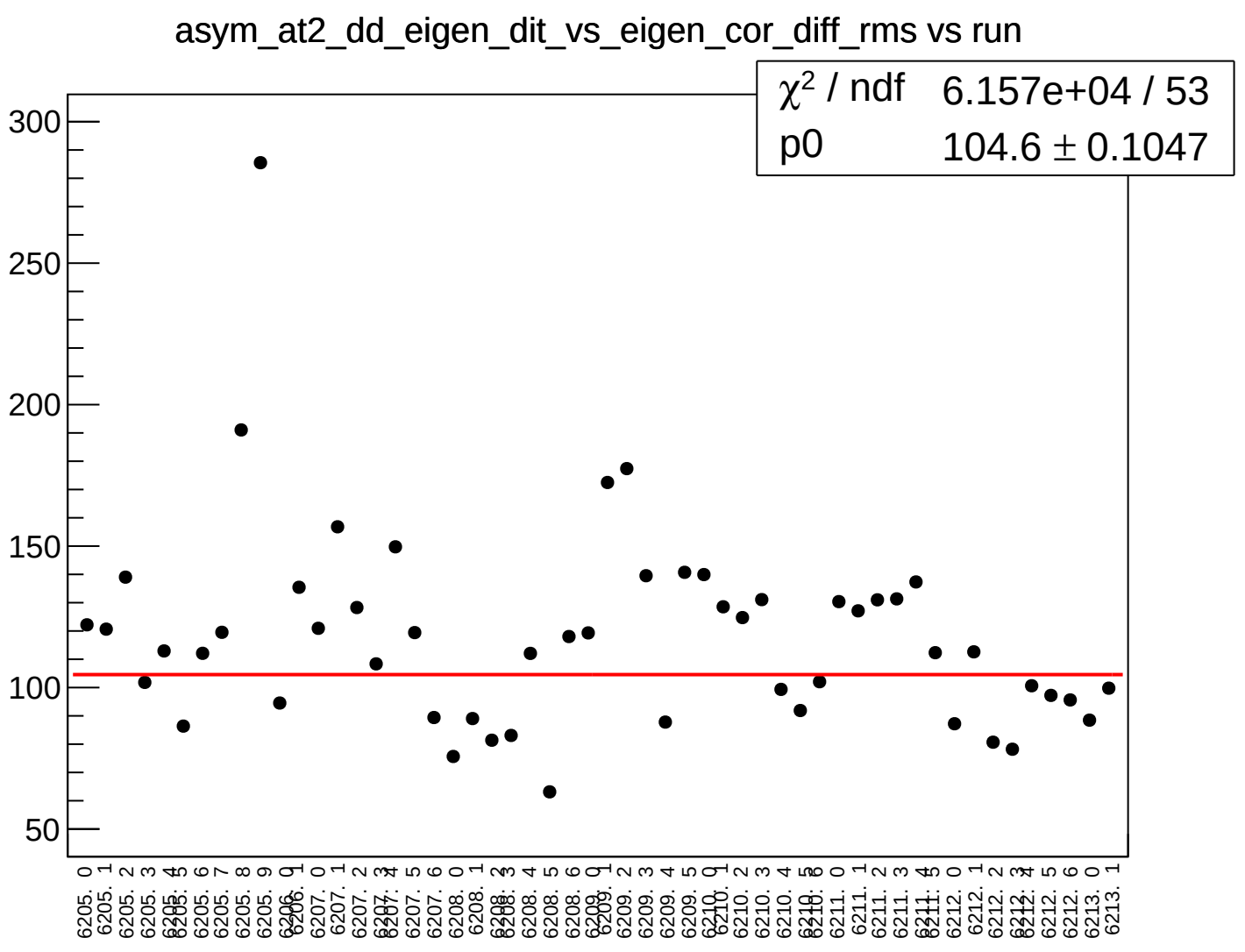

asym_at2_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 61.89 / 53
p0 −0.07692 ± 0.1481
pull
Entries 54
Mean 165
Std Dev 0

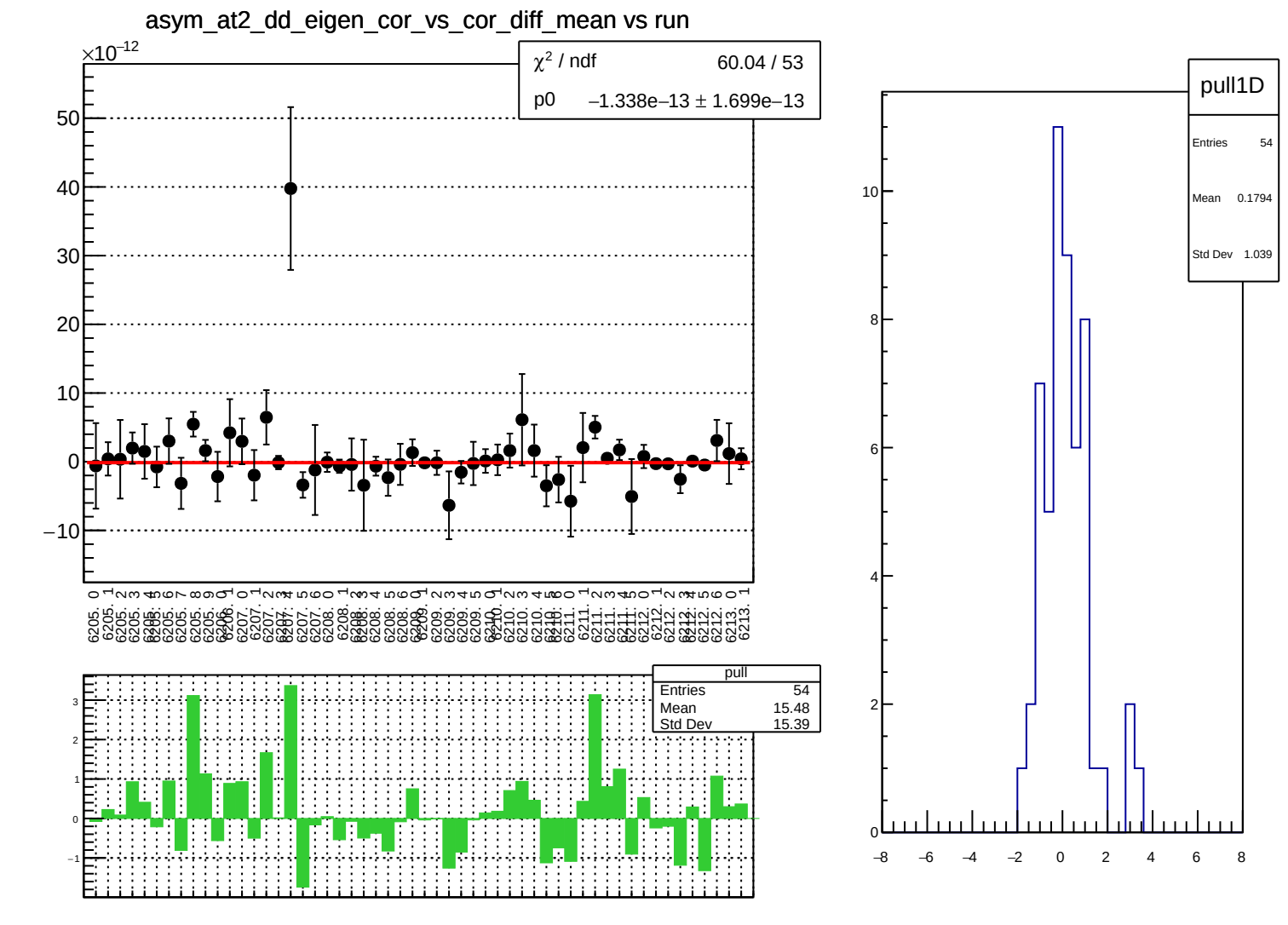

pull1D
Entries 54
Mean 0.006599
Std Dev 1.071

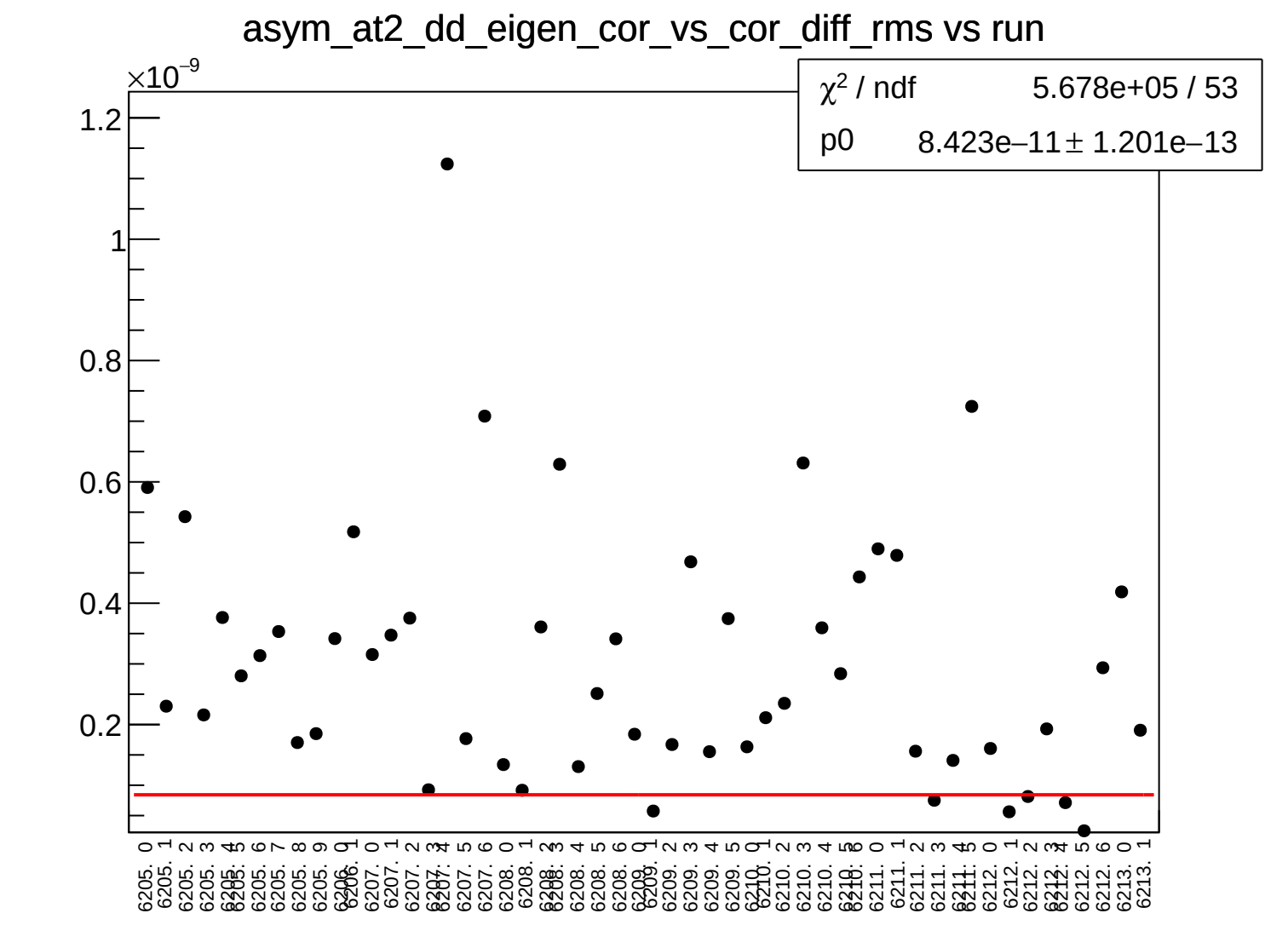

asym_at2_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 6.157e+04 / 53
p0 104.6 ± 0.1047
300
250
200
150
100
50
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

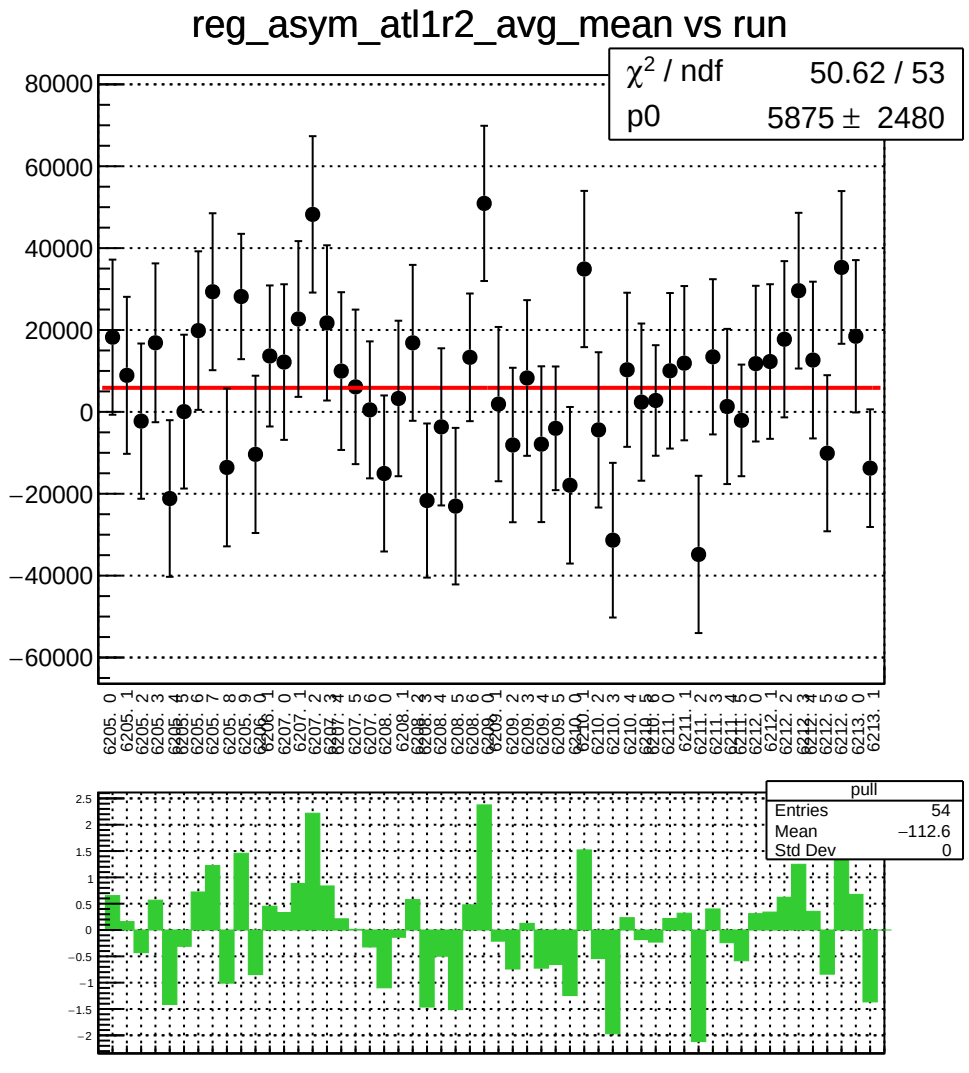

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 61.89 / 53
p0 −0.07692 ± 0.1481
pull
Entries 54
Mean 165
Std Dev 0

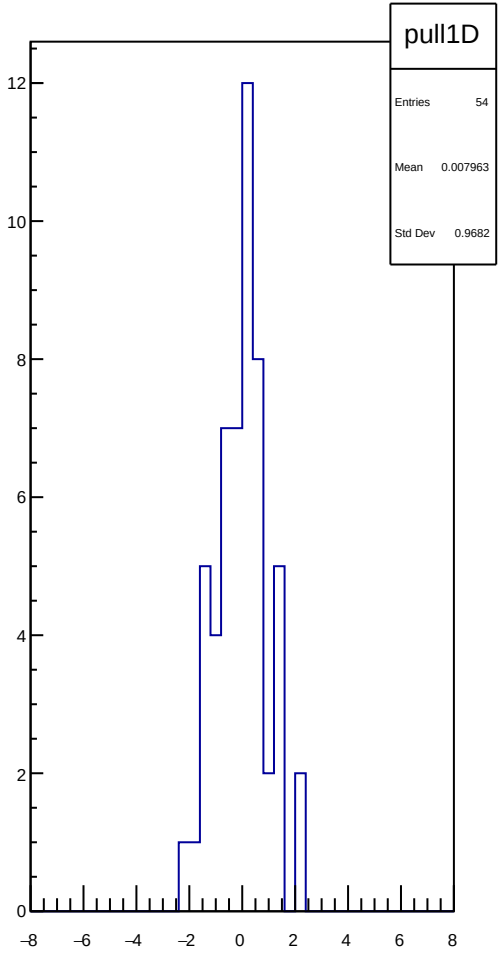

pull1D
Entries 54
Mean 0.006599
Std Dev 1.071

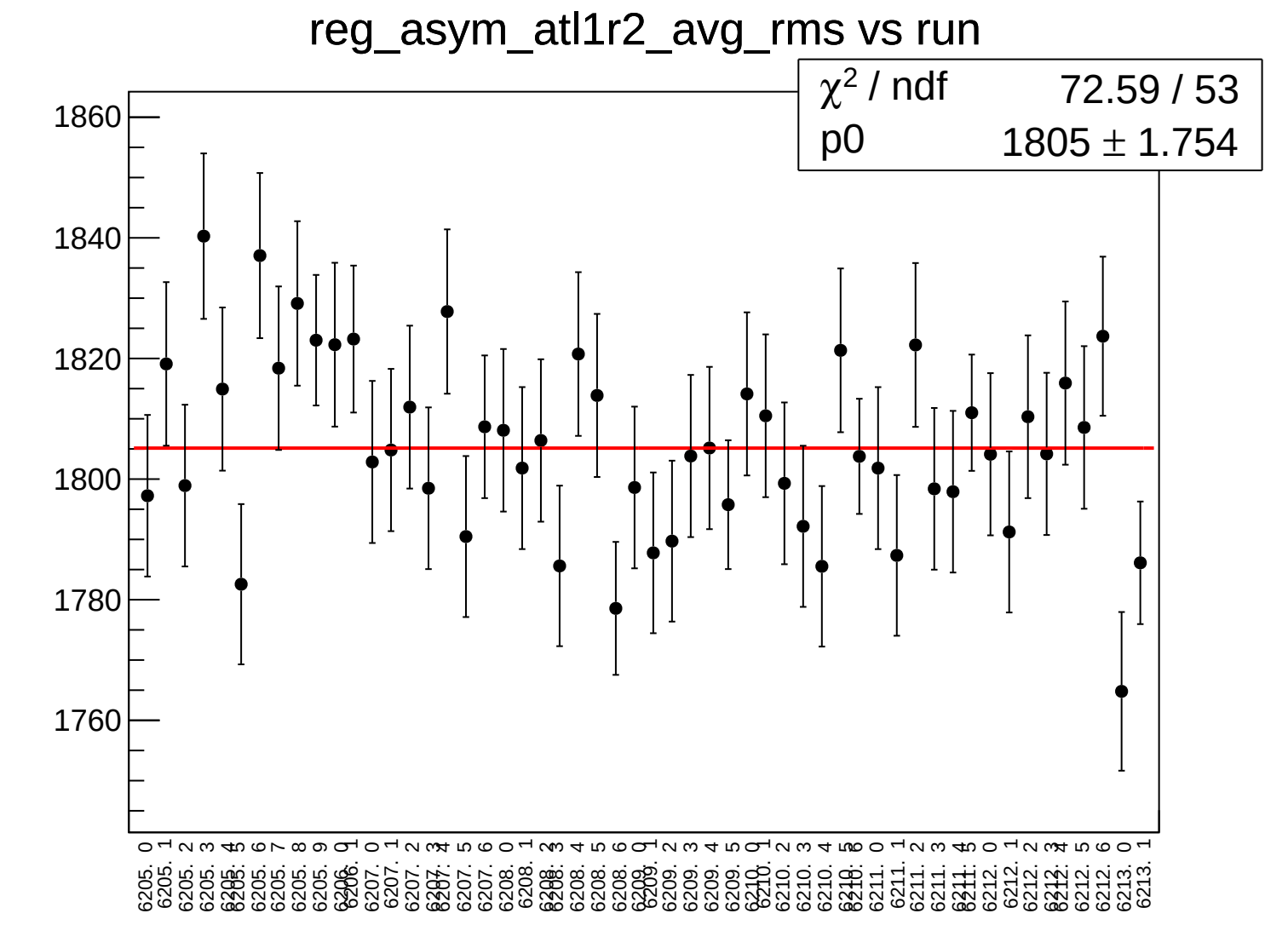

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.157e+04 / 53
p0 104.6 ± 0.1047
300
250
200
150
100
50
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

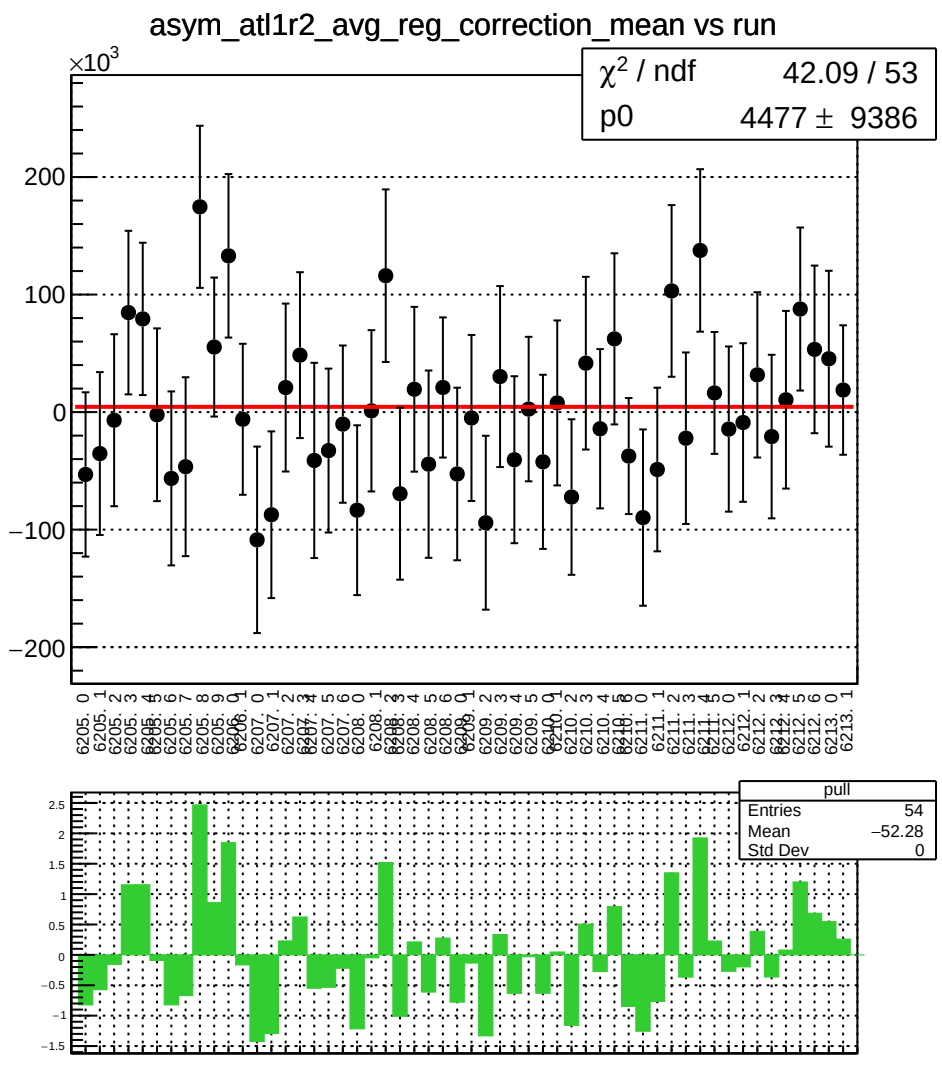

asym_at2_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 60.04 / 53
p0 −1.338e−13 ± 1.699e−13
pull
Entries 54
Mean 15.48
Std Dev 15.39
pull1D
Entries 54
Mean 0.1794
Std Dev 1.039

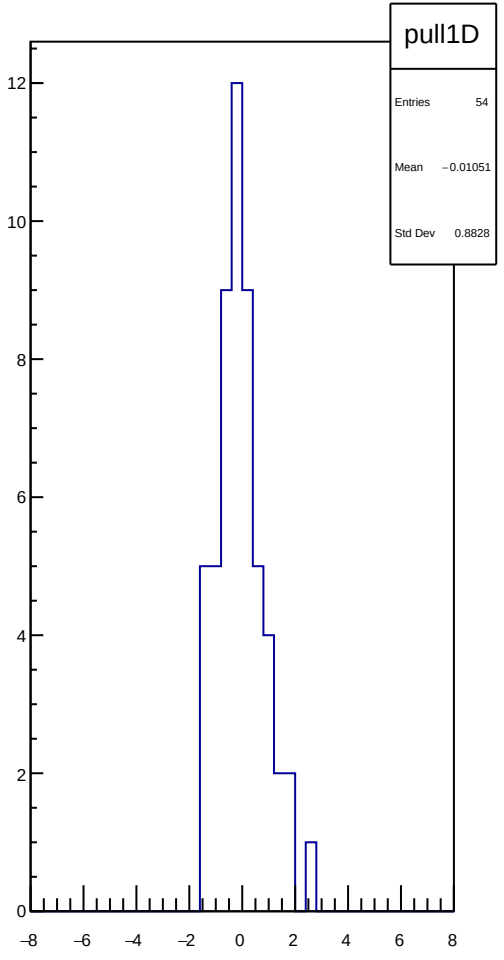

asym_at2_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.678e+05 / 53
p0 8.423e−11 ± 1.201e−13
1.2
1
0.8
0.6
0.4
0.2
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

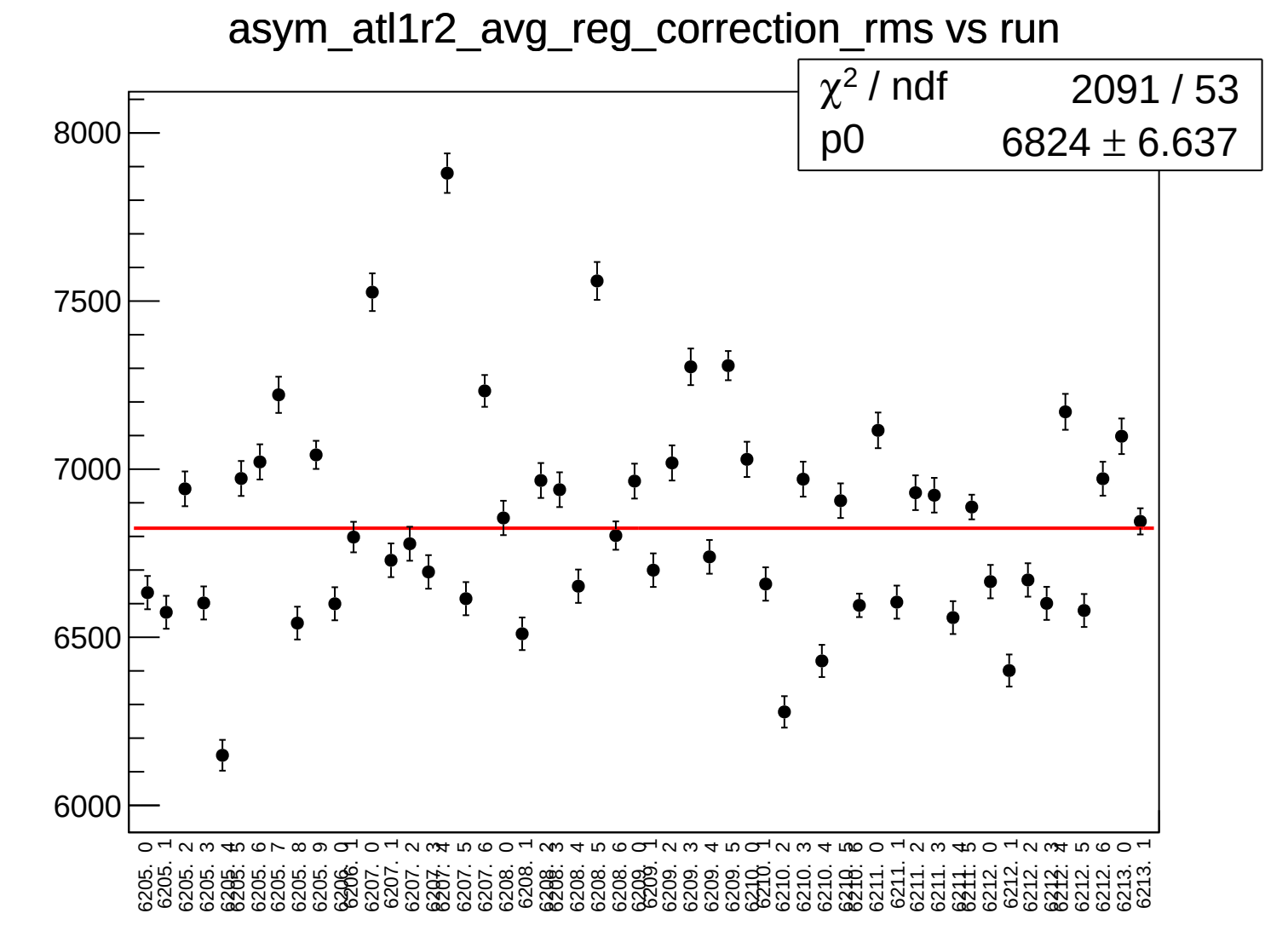

reg_asym_atl1r2_avg_mean vs run
χ² / ndf 50.62 / 53
p0 5875 ± 2480
pull
Entries 54
Mean −112.6
Std Dev 0

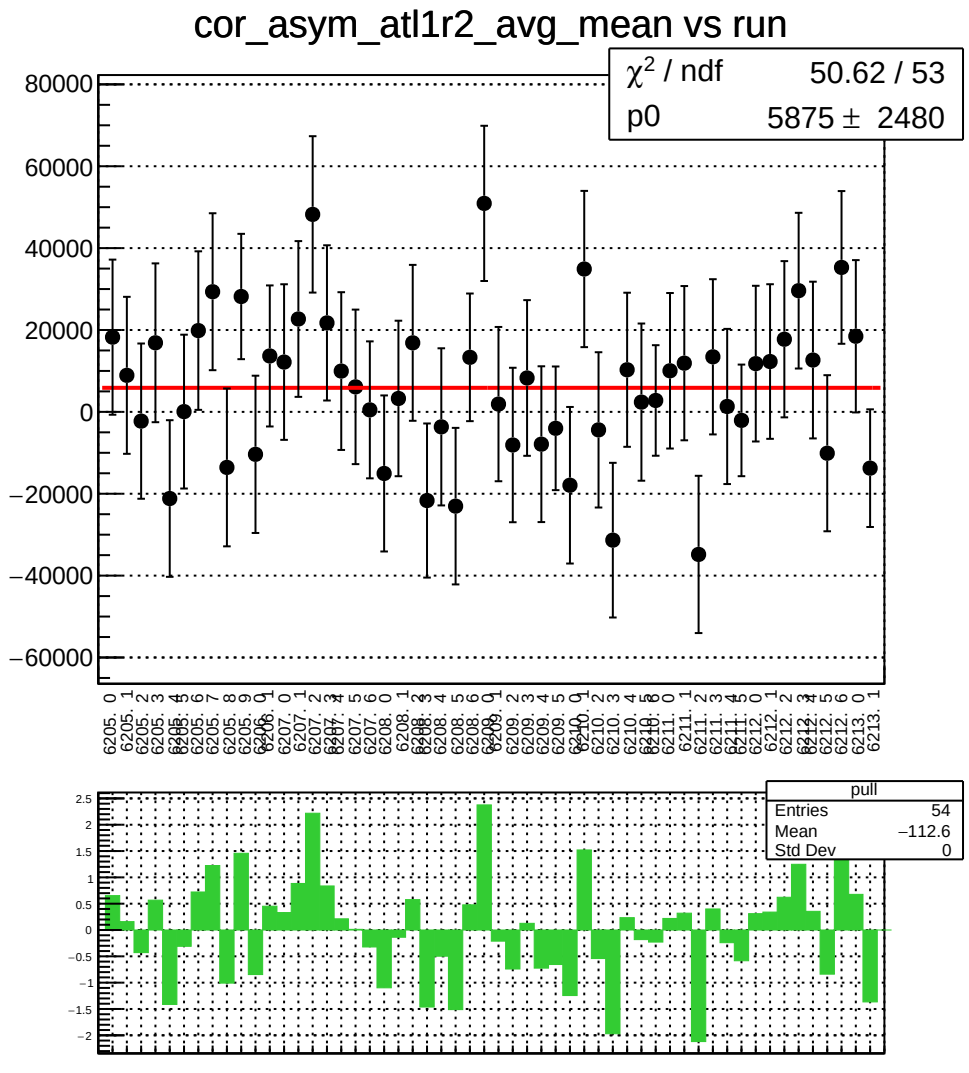

pull1D
Entries 54
Mean 0.007963
Std Dev 0.9682

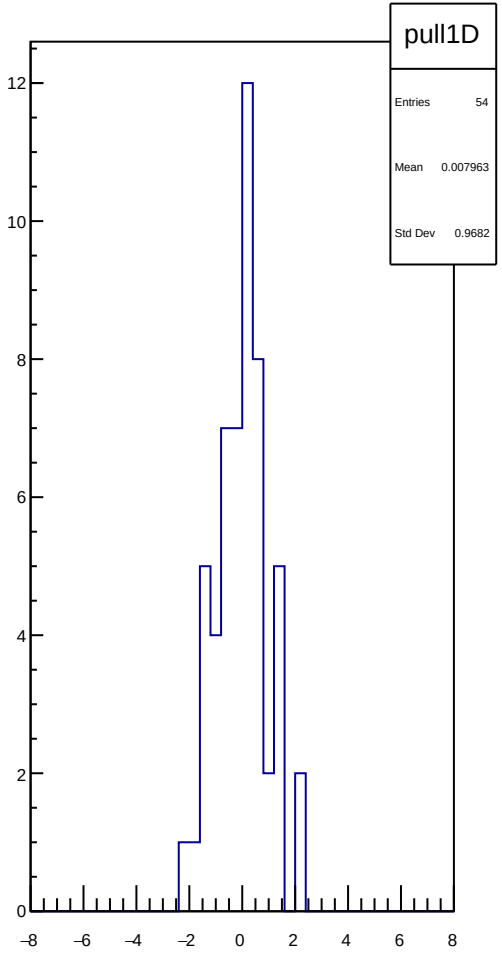

reg_asym_atl1r2_avg_rms vs run
χ² / ndf 72.59 / 53
p0 1805 ± 1.754
1860
1840
1820
1800
1780
1760
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

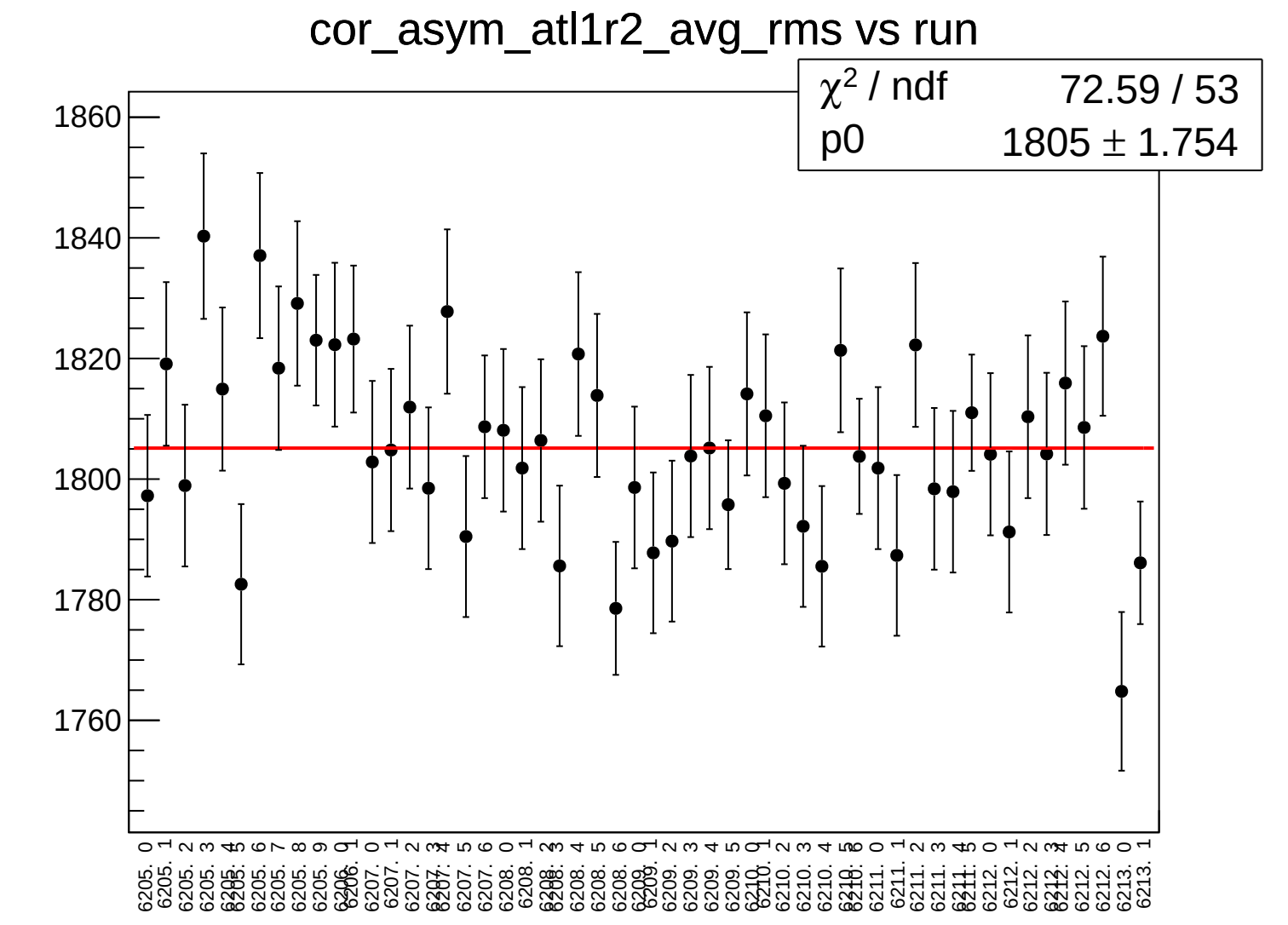

asym_atl1r2_avg_reg_correction_mean vs run
χ² / ndf 42.09 / 53
p0 4477 ± 9386
pull
Entries 54
Mean −52.28
Std Dev 0

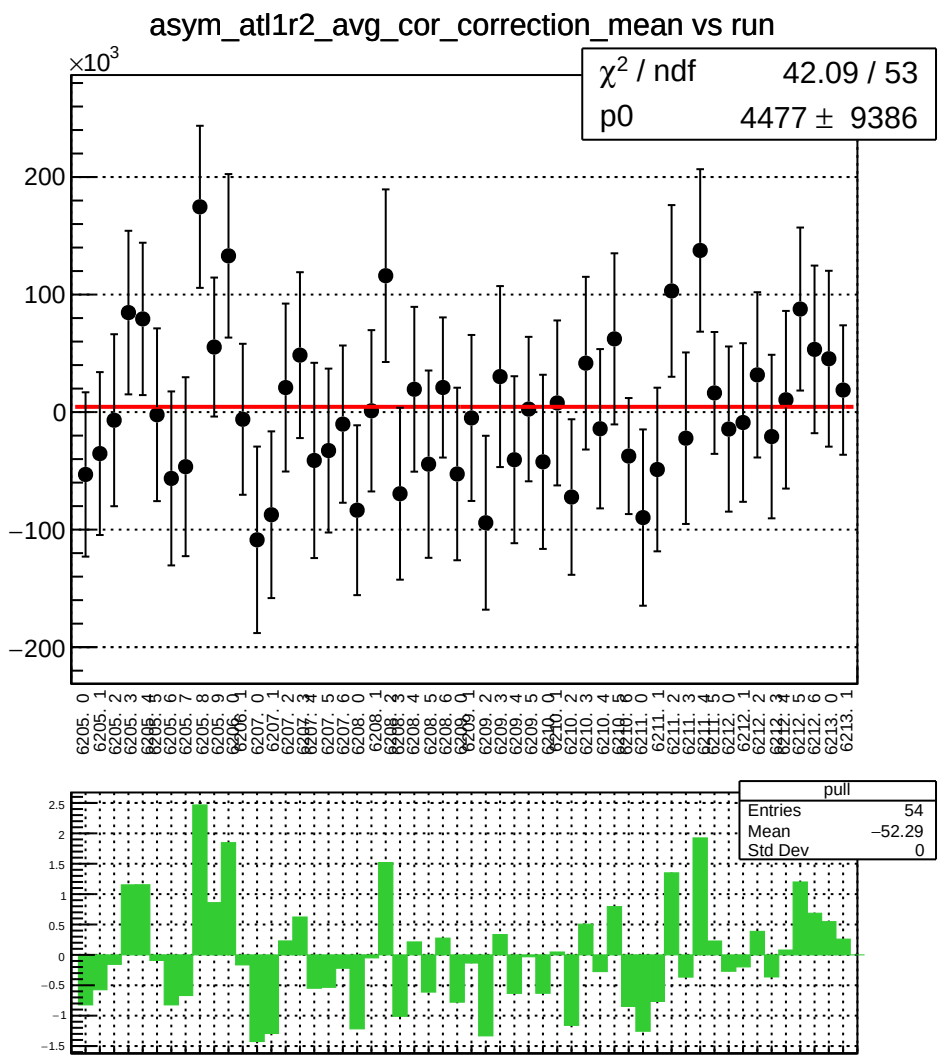

pull1D
Entries 54
Mean −0.01051
Std Dev 0.8828

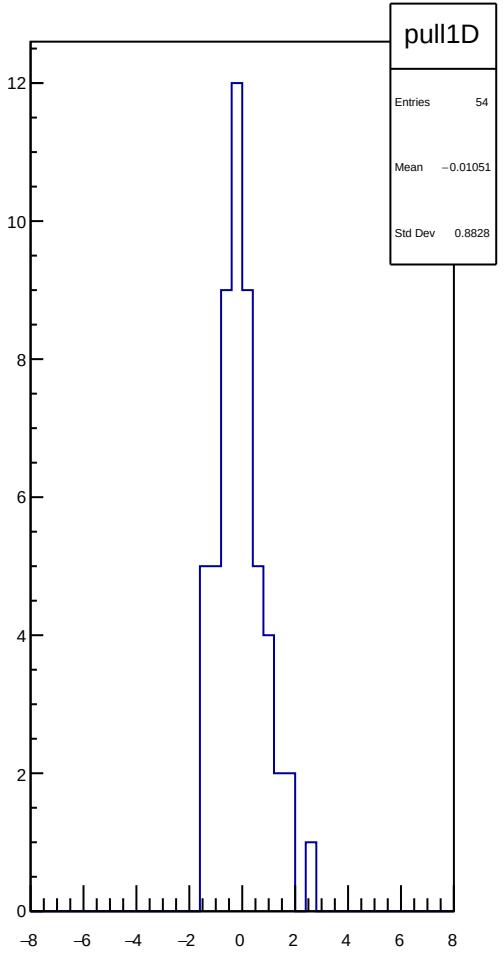

asym_atl1r2_avg_reg_correction_rms vs run
χ² / ndf 2091 / 53
p0 6824 ± 6.637
8000
7500
7000
6500
6000
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

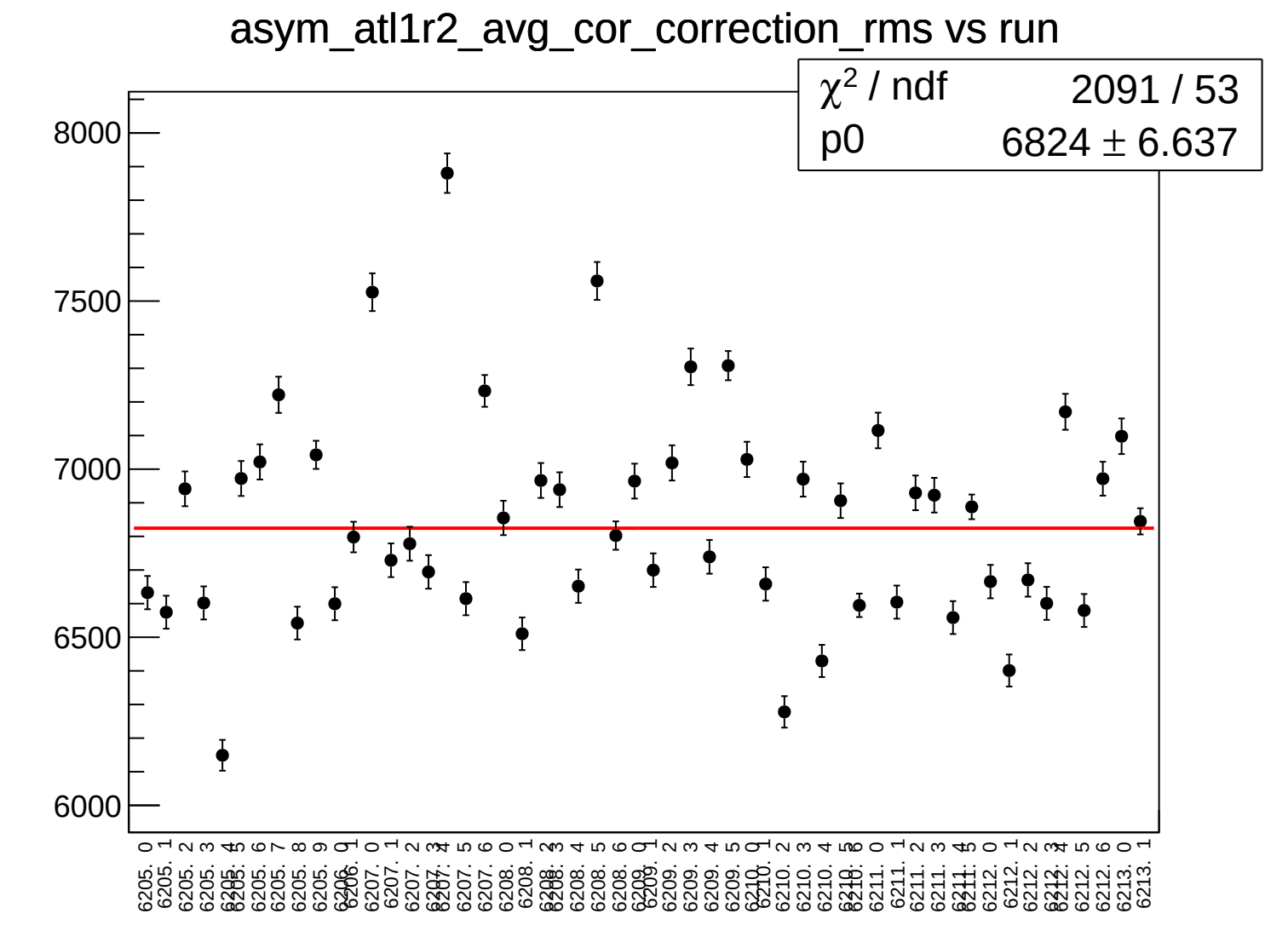

cor_asym_atl1r2_avg_mean vs run
χ² / ndf 50.62 / 53
p0 5875 ± 2480
pull
Entries 54
Mean −112.6
Std Dev 0

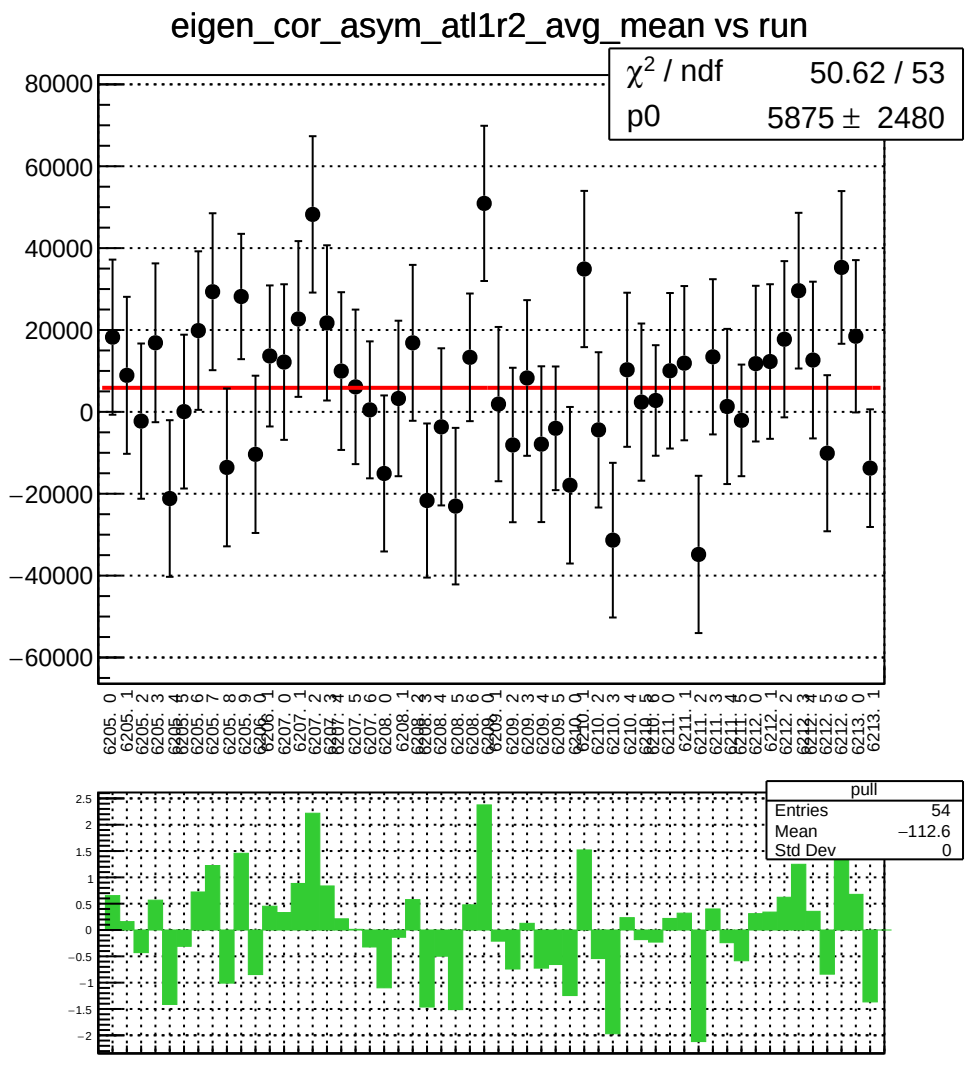

pull1D
Entries 54
Mean 0.007963
Std Dev 0.9682

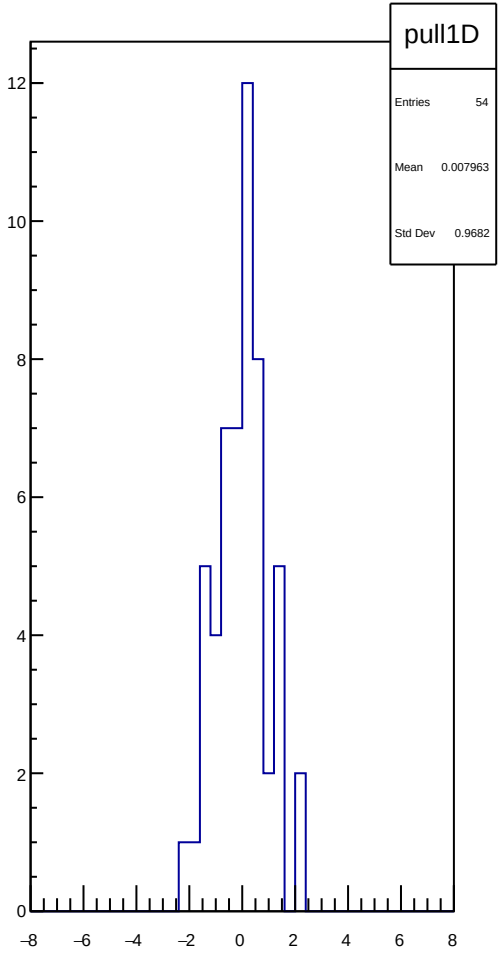

cor_asym_atl1r2_avg_rms vs run
χ² / ndf 72.59 / 53
p0 1805 ± 1.754
1860
1840
1820
1800
1780
1760
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

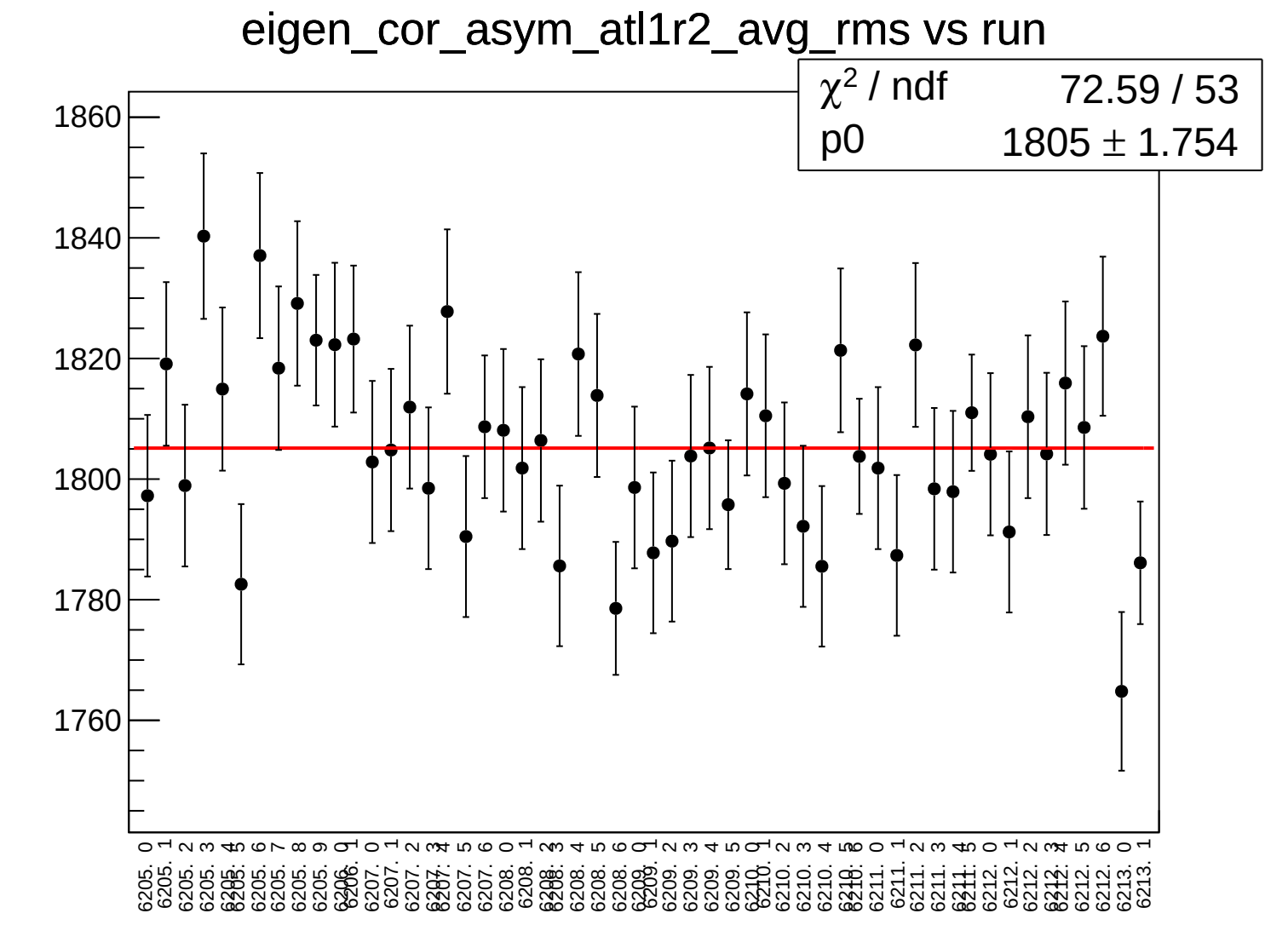

asym_atl1r2_avg_cor_correction_mean vs run
×10^3
χ^2 / ndf 42.09 / 53
p0 4477 ± 9386
200
100
0
−100
−200
pull
Entries 54
Mean −52.29
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

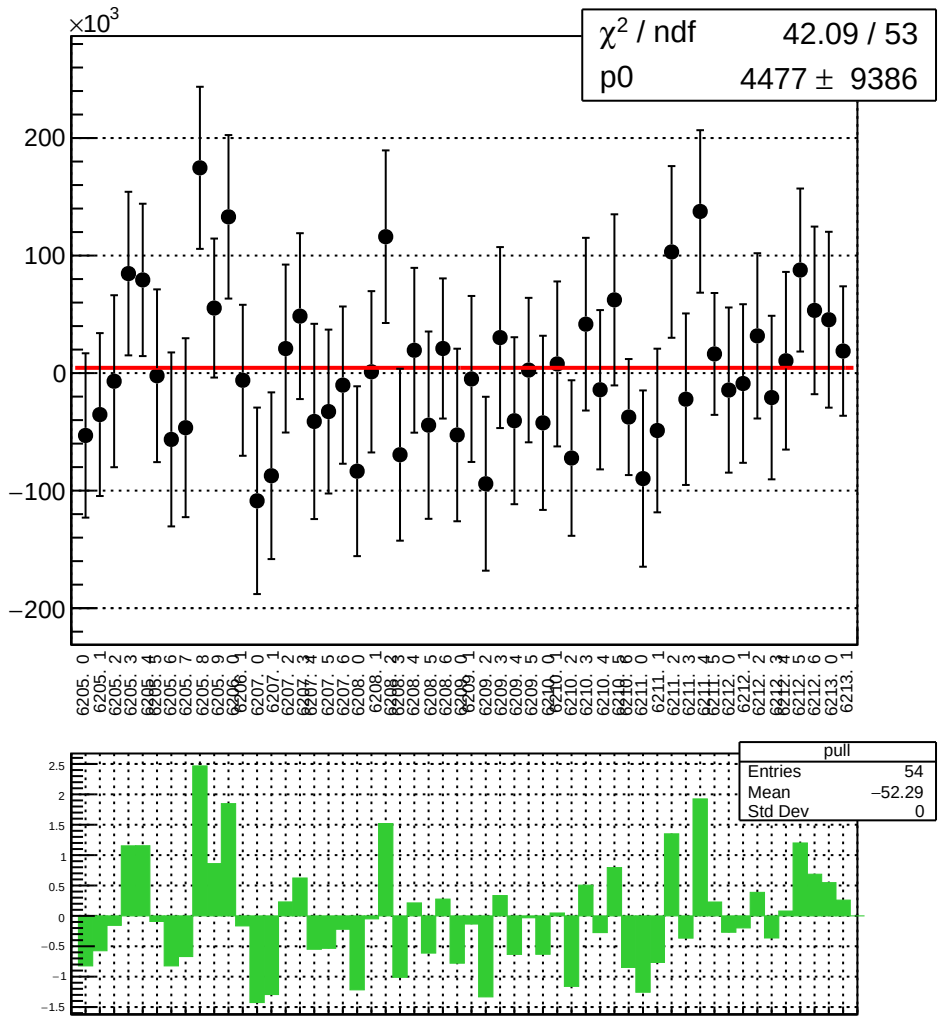

pull1D
Entries 54
Mean −0.01051
Std Dev 0.8828
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

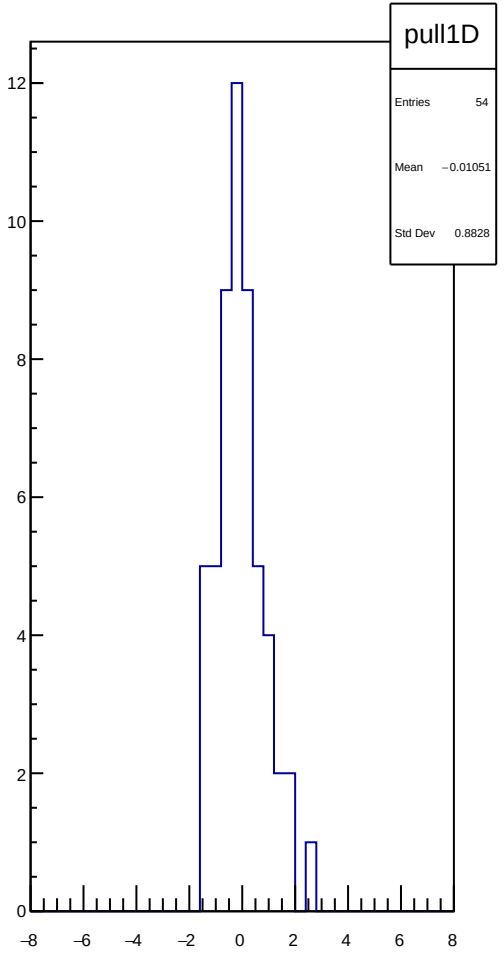

asym_atl1r2_avg_cor_correction_rms vs run
χ² / ndf 2091 / 53
p0 6824 ± 6.637
8000
7500
7000
6500
6000
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

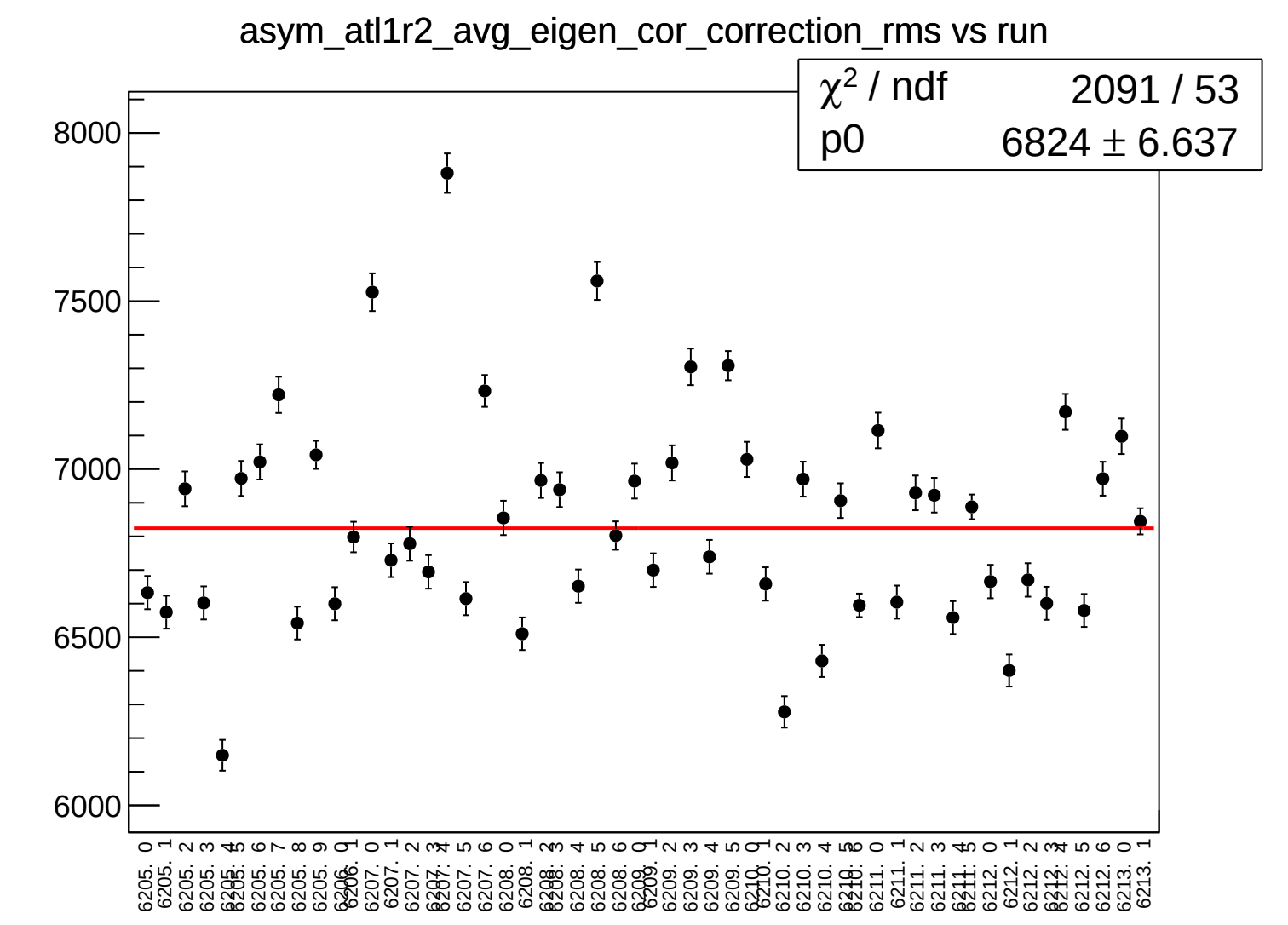

eigen_cor_asym_atl1r2_avg_mean vs run
χ² / ndf 50.62 / 53
p0 5875 ± 2480
pull
Entries 54
Mean −112.6
Std Dev 0


pull1D
Entries 54
Mean 0.007963
Std Dev 0.9682


eigen_cor_asym_atl1r2_avg_rms vs run
χ² / ndf 72.59 / 53
p0 1805 ± 1.754
1860
1840
1820
1800
1780
1760
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1


asym_atl1r2_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 42.09 / 53
p0 4477 ± 9386
200
100
0
−100
−200
pull
Entries 54
Mean −52.29
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 54
Mean −0.01051
Std Dev 0.8828
12
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 2091 / 53
p0 6824 ± 6.637
8000
7500
7000
6500
6000
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
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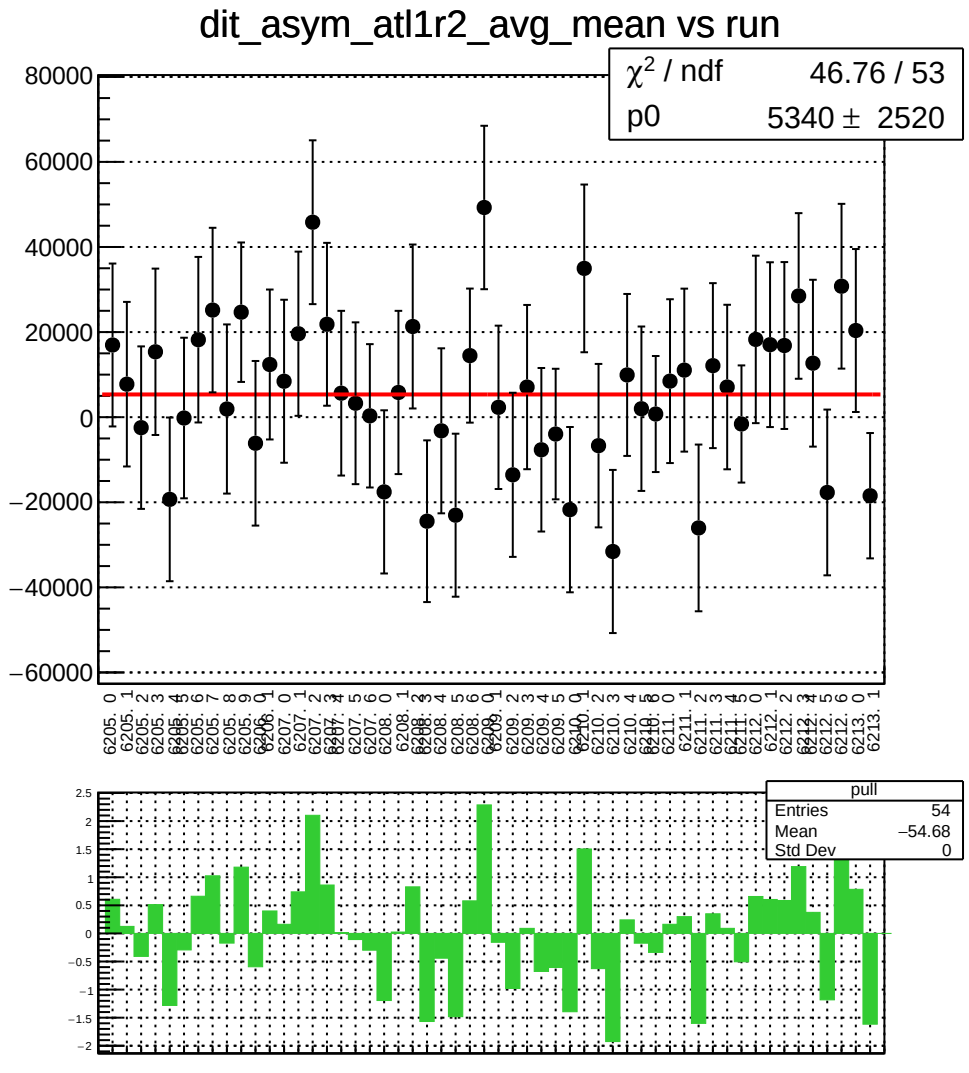
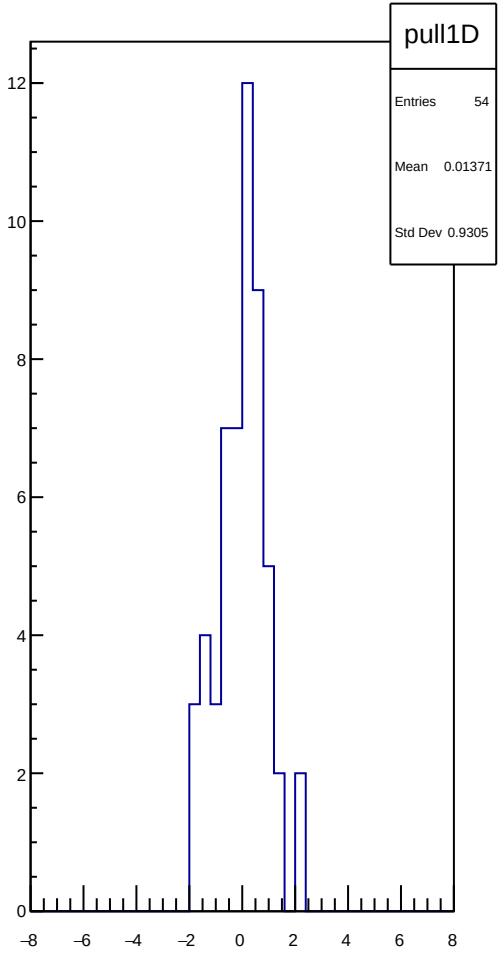
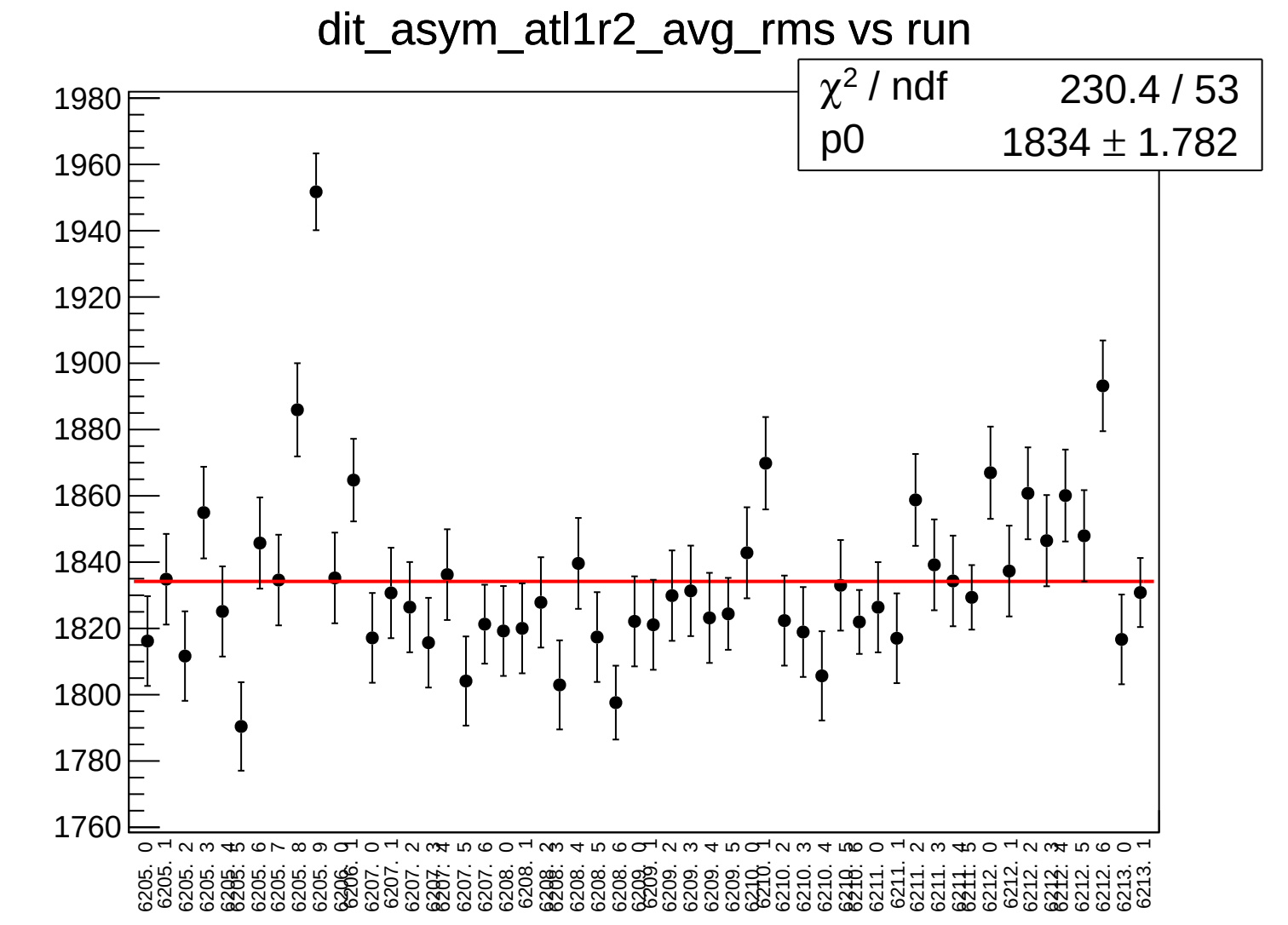
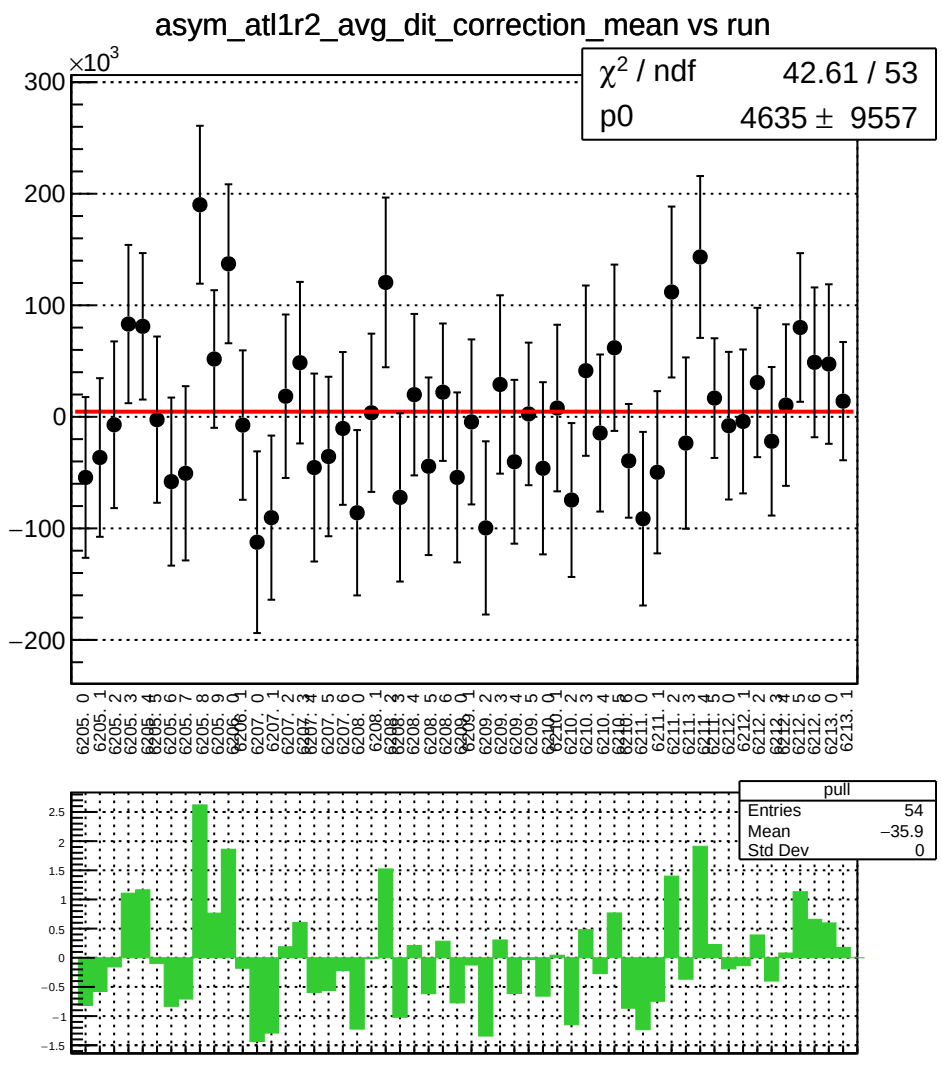
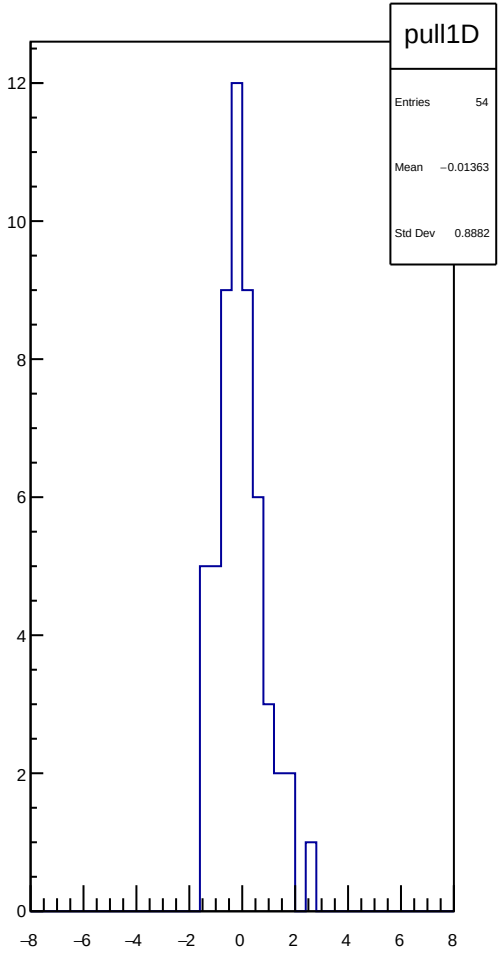
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

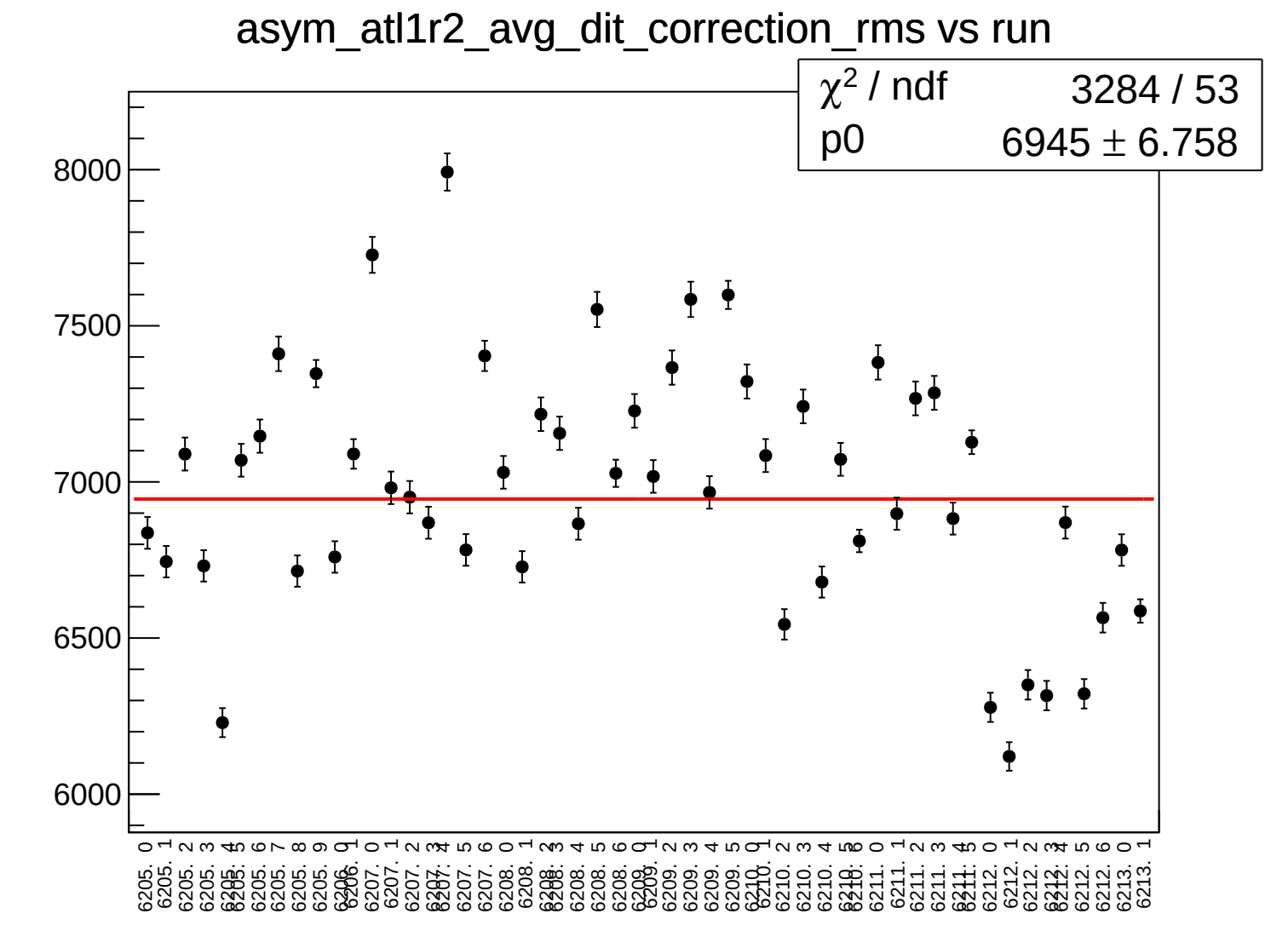

dit_asym_atl1r2_avg_mean vs run
χ² / ndf 46.76 / 53
p0 5340 ± 2520
pull
Entries 54
Mean −54.68
Std Dev 0

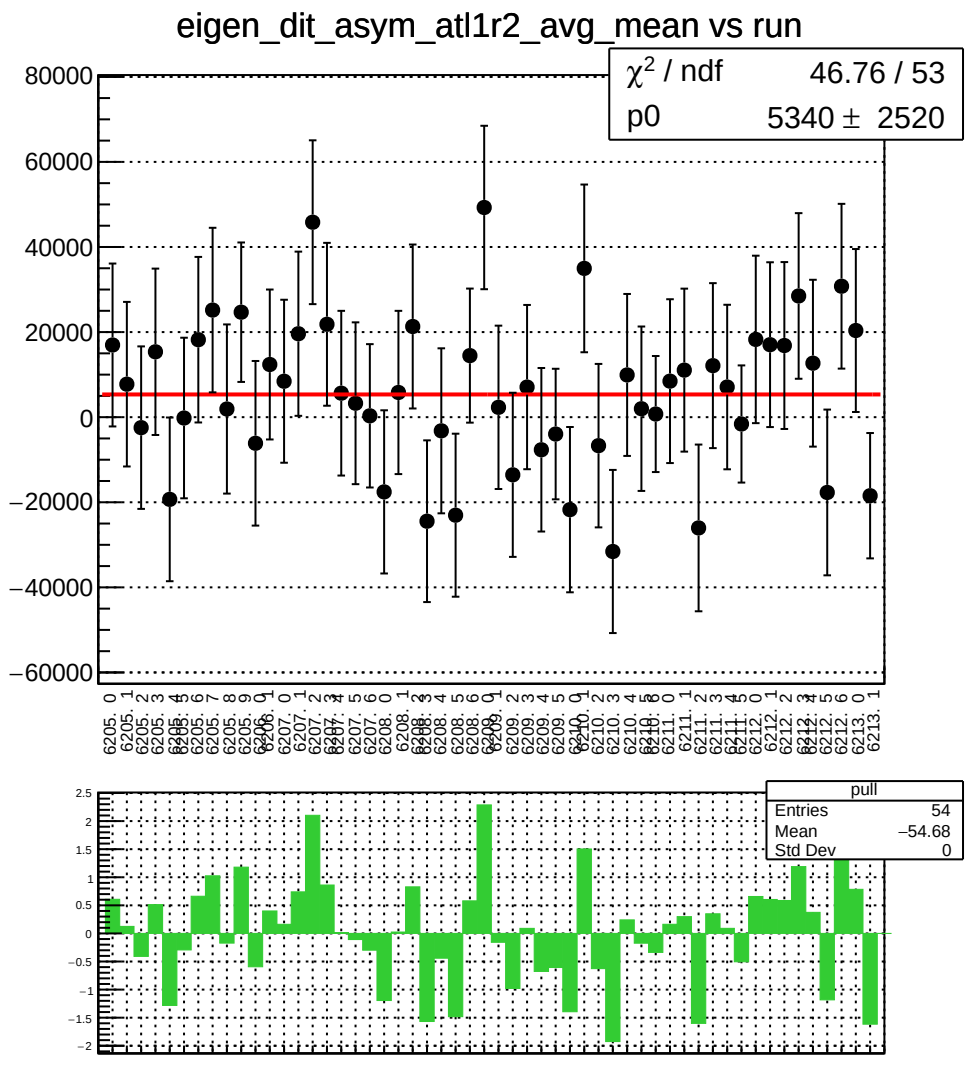

pull1D
Entries 54
Mean 0.01371
Std Dev 0.9305

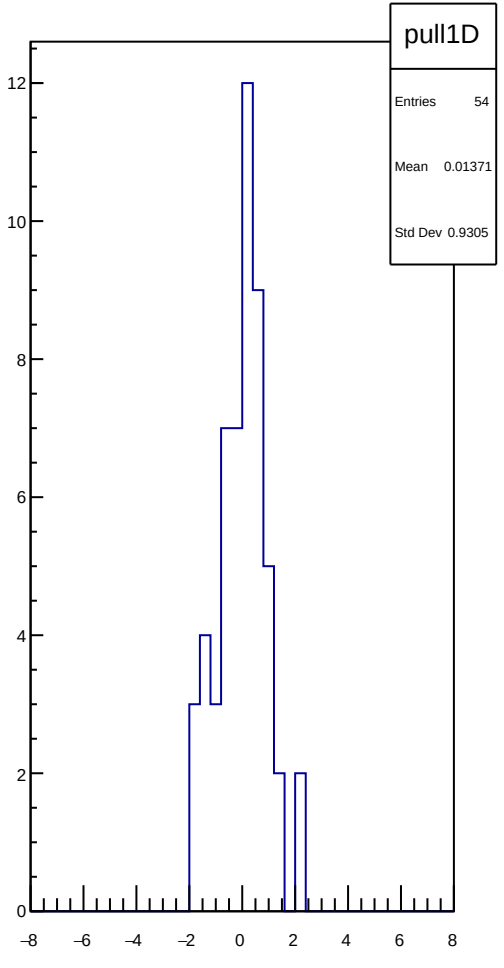

dit_asym_atl1r2_avg_rms vs run
χ² / ndf 230.4 / 53
p0 1834 ± 1.782
1980
1960
1940
1920
1900
1880
1860
1840
1820
1800
1780
1760
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 1
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

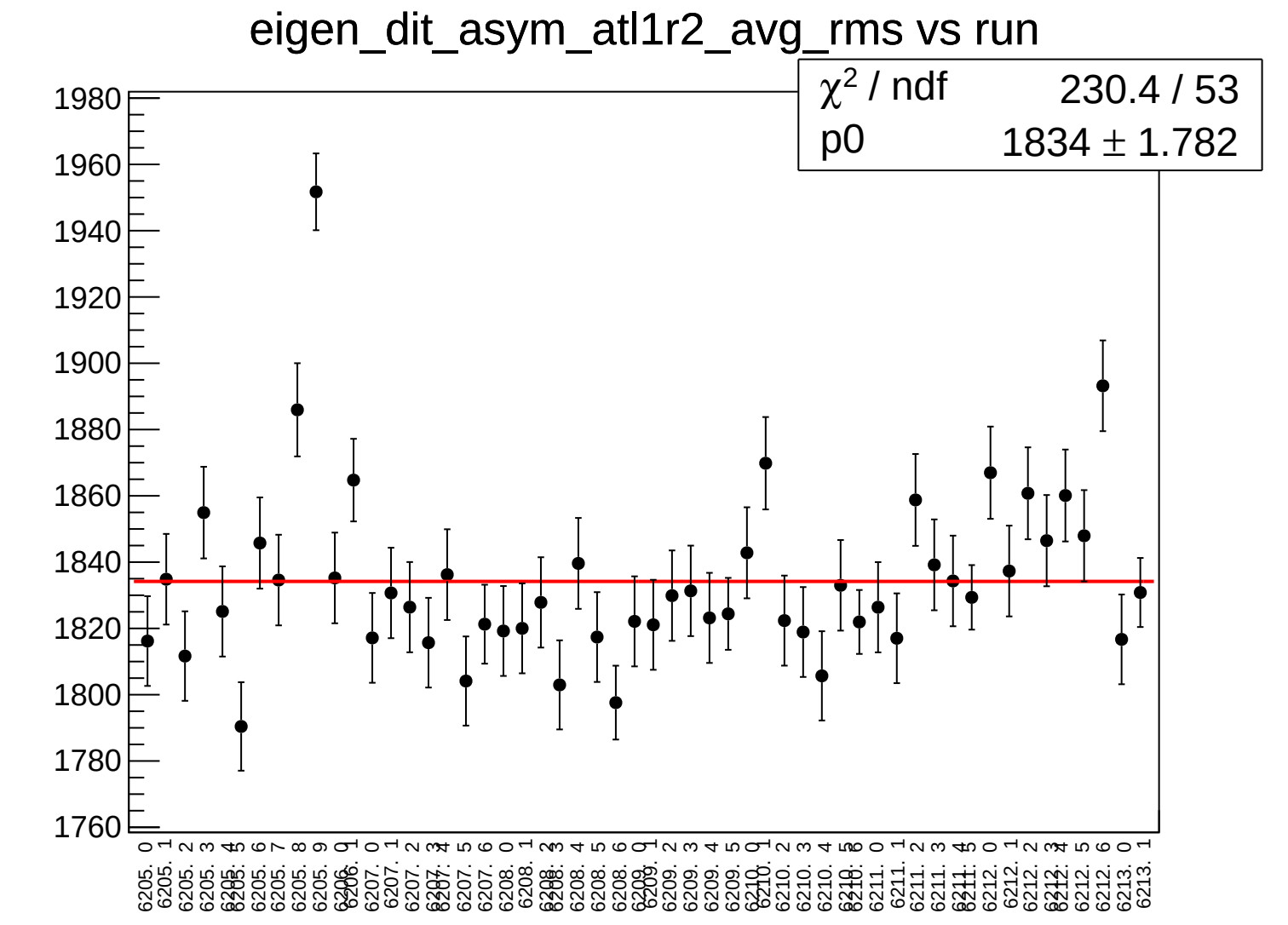

asym_atl1r2_avg_dit_correction_mean vs run
×10^3
χ^2 / ndf 42.61 / 53
p0 4635 ± 9557
300
200
100
0
−100
−200
pull
Entries 54
Mean −35.9
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

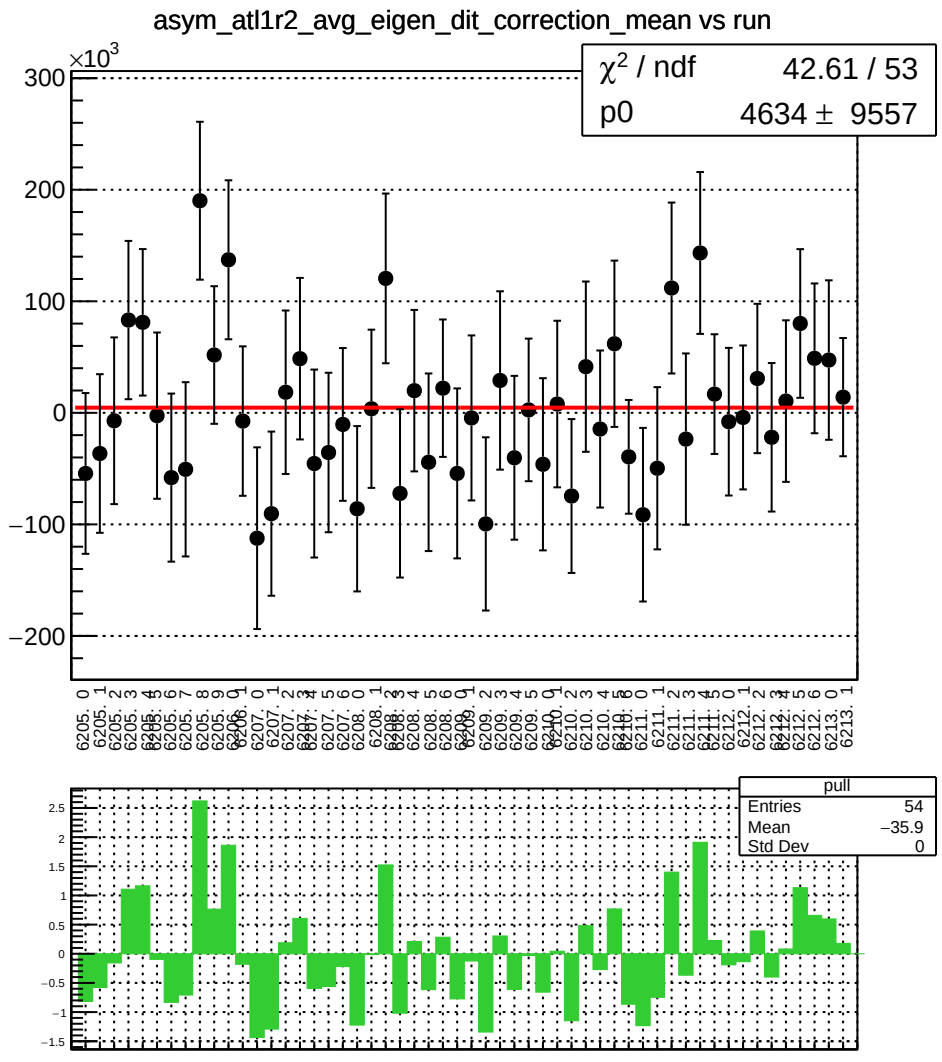

pull1D
Entries 54
Mean −0.01363
Std Dev 0.8882
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

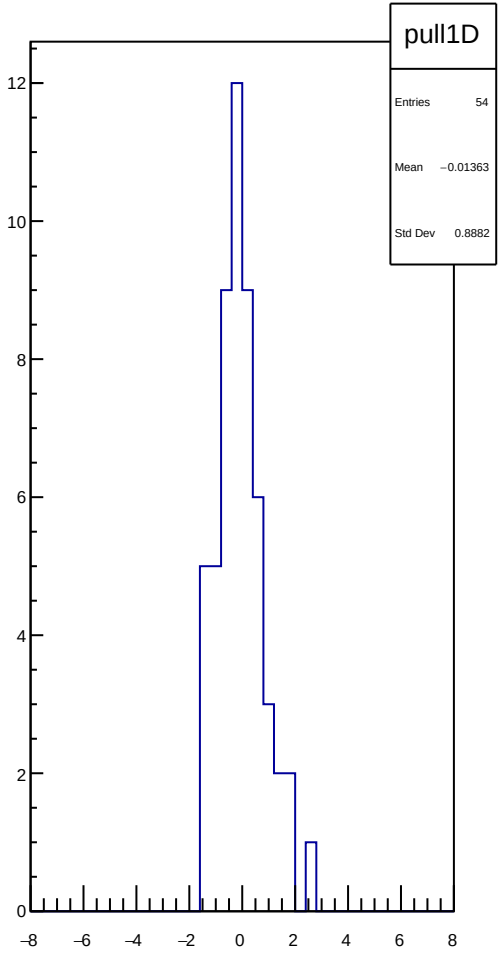

asym_atl1r2_avg_dit_correction_rms vs run
χ² / ndf 3284 / 53
p0 6945 ± 6.758
8000
7500
7000
6500
6000
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

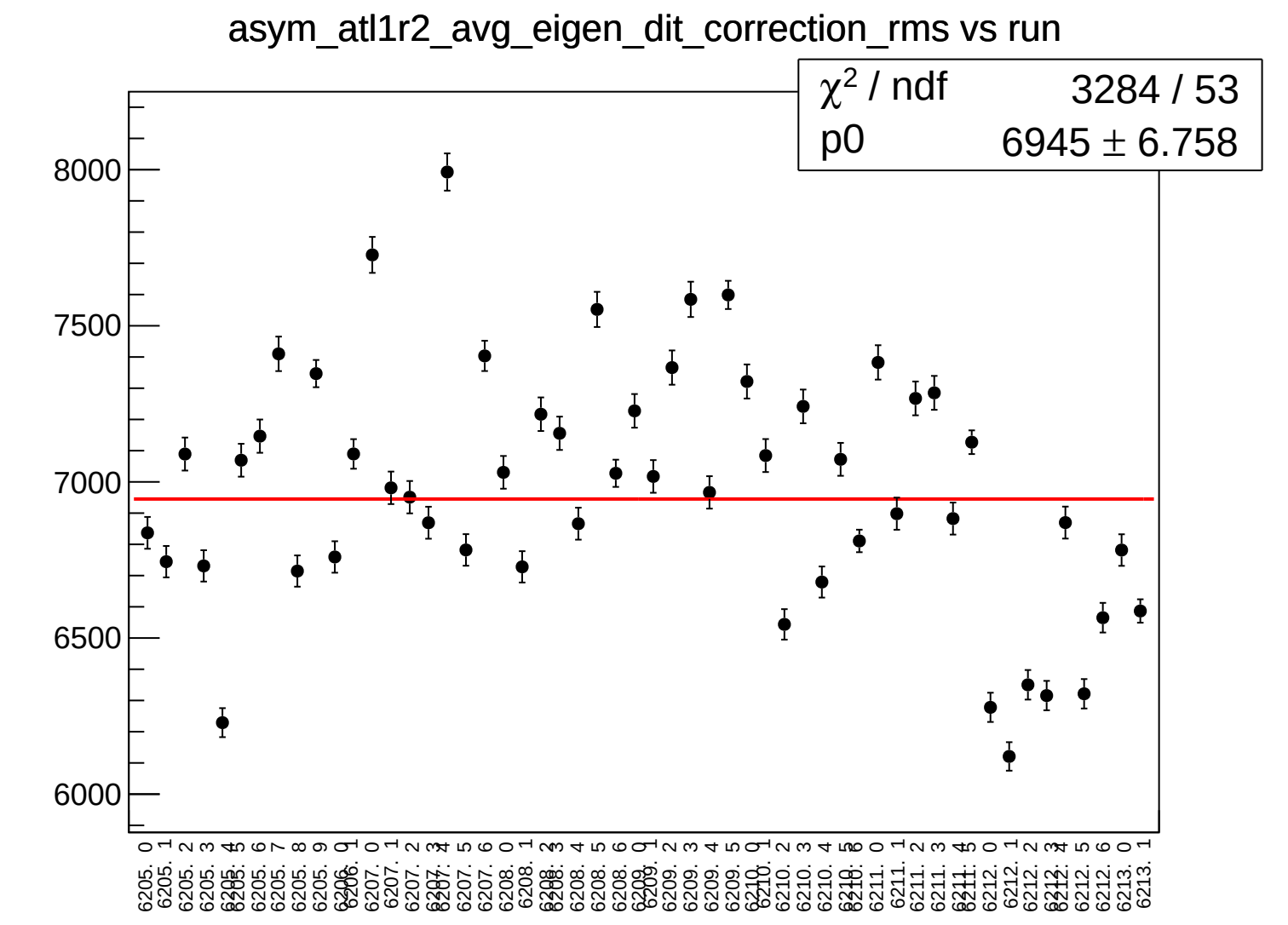

eigen_dit_asym_atl1r2_avg_mean vs run
χ² / ndf 46.76 / 53
p0 5340 ± 2520
pull
Entries 54
Mean −54.68
Std Dev 0

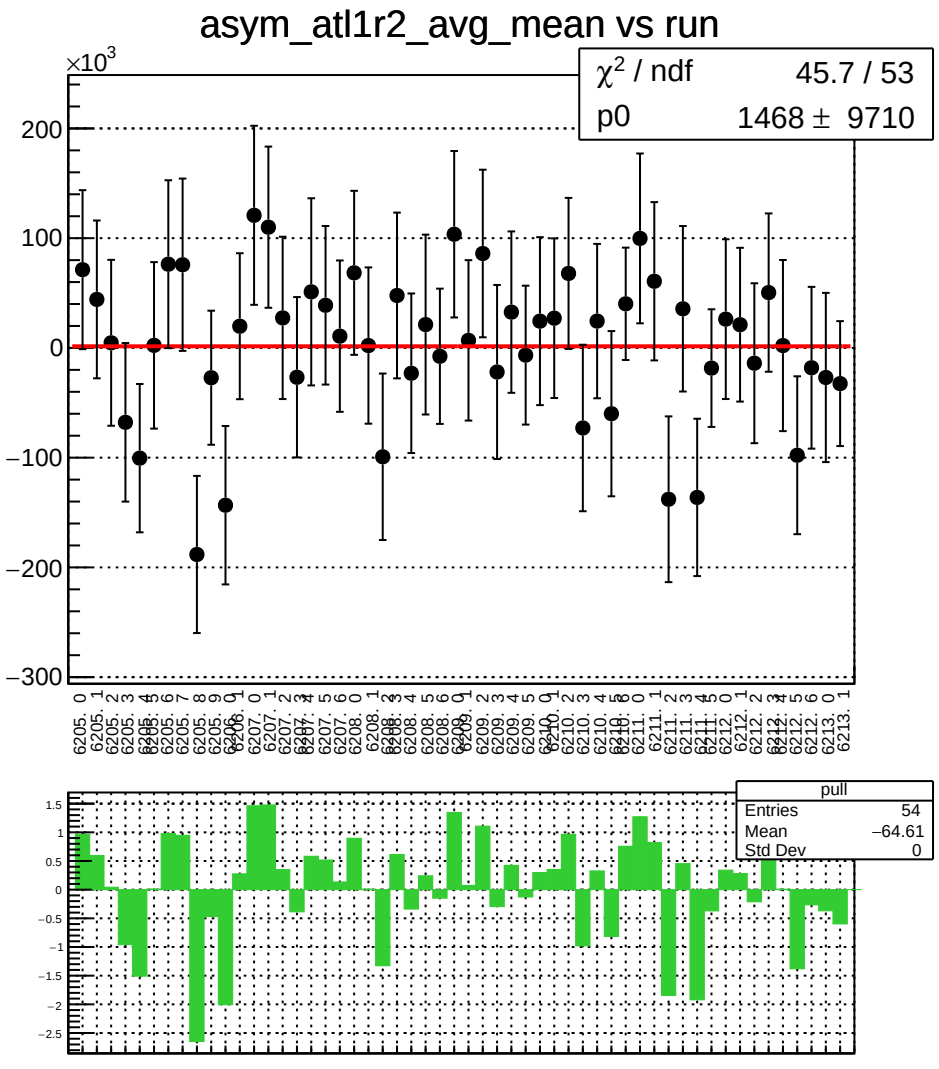

pull1D
Entries 54
Mean 0.01371
Std Dev 0.9305

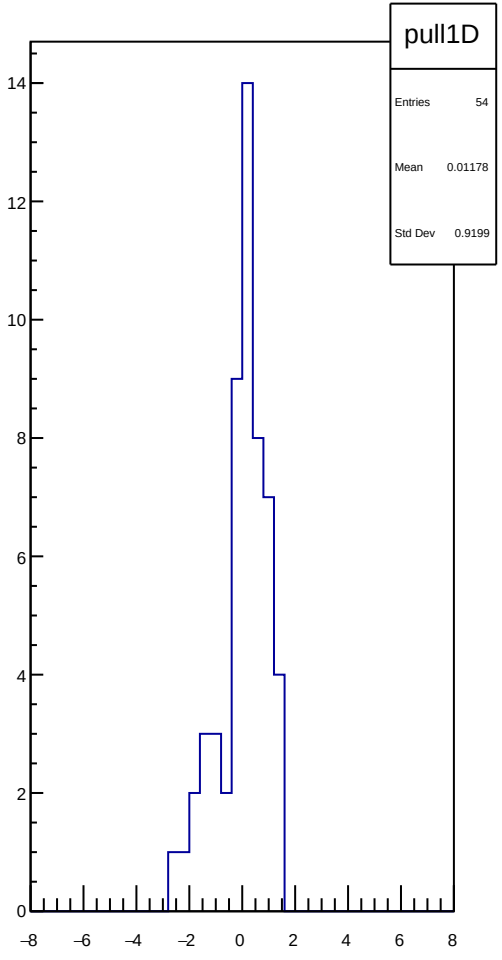

eigen_dit_asym_atl1r2_avg_rms vs run
χ² / ndf 230.4 / 53
p0 1834 ± 1.782
1980
1960
1940
1920
1900
1880
1860
1840
1820
1800
1780
1760
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 1
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

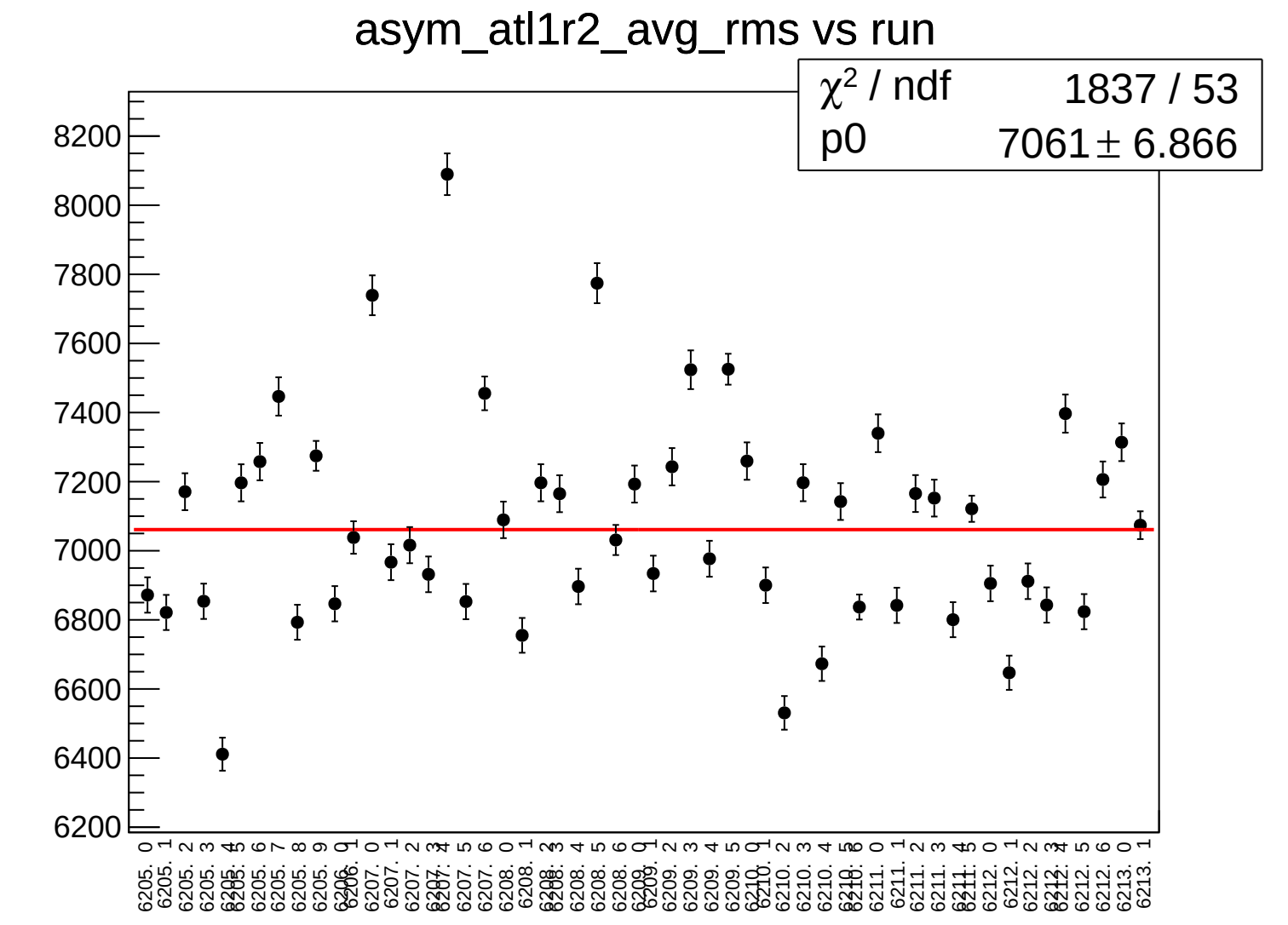

asym_atl1r2_avg_eigen_dit_correction_mean vs run
×10^3
χ^2 / ndf 42.61 / 53
p0 4634 ± 9557
pull
Entries 54
Mean −35.9
Std Dev 0

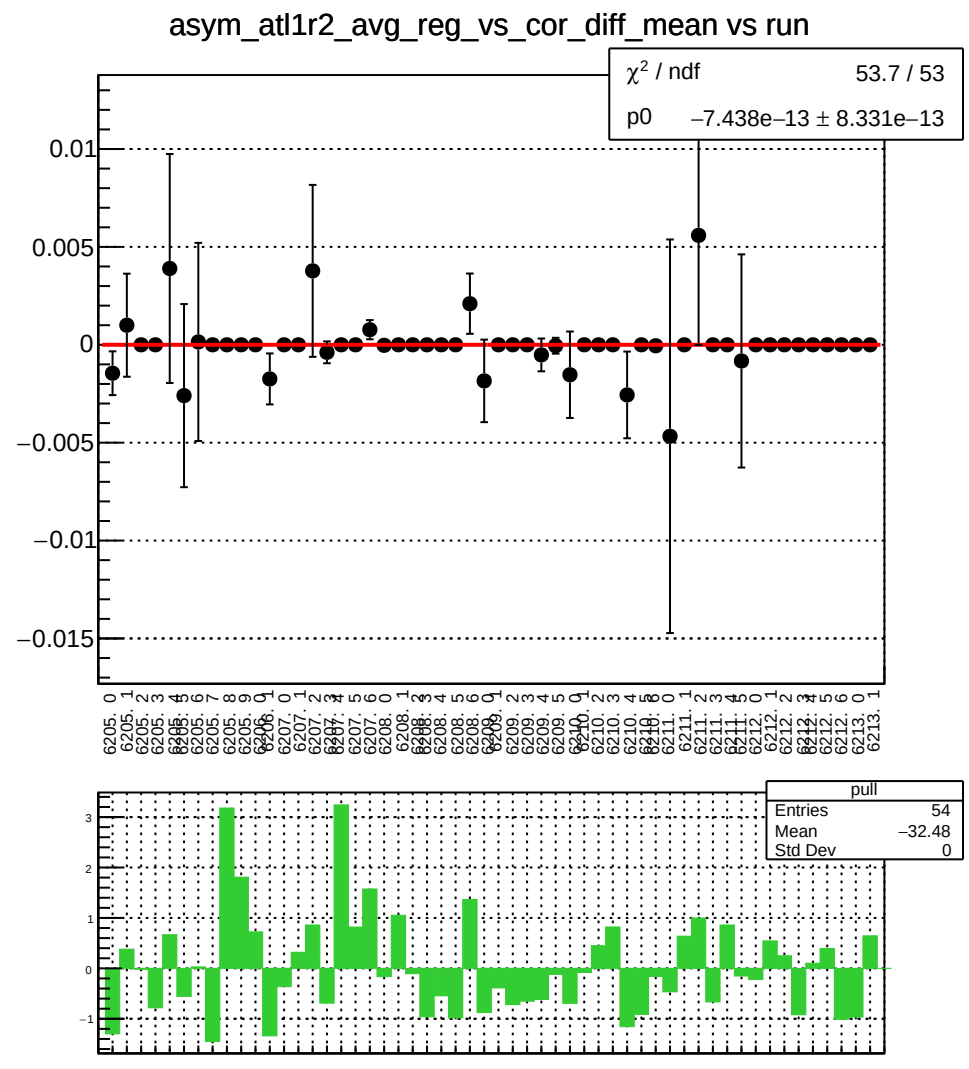

pull1D
Entries 54
Mean −0.01363
Std Dev 0.8882

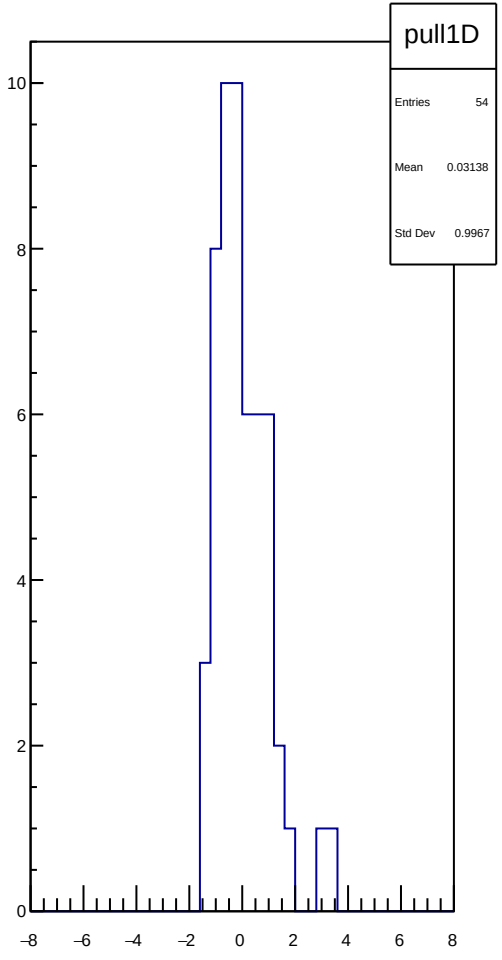

asym_atl1r2_avg_eigen_dit_correction_rms vs run
χ² / ndf 3284 / 53
p0 6945 ± 6.758
8000
7500
7000
6500
6000
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

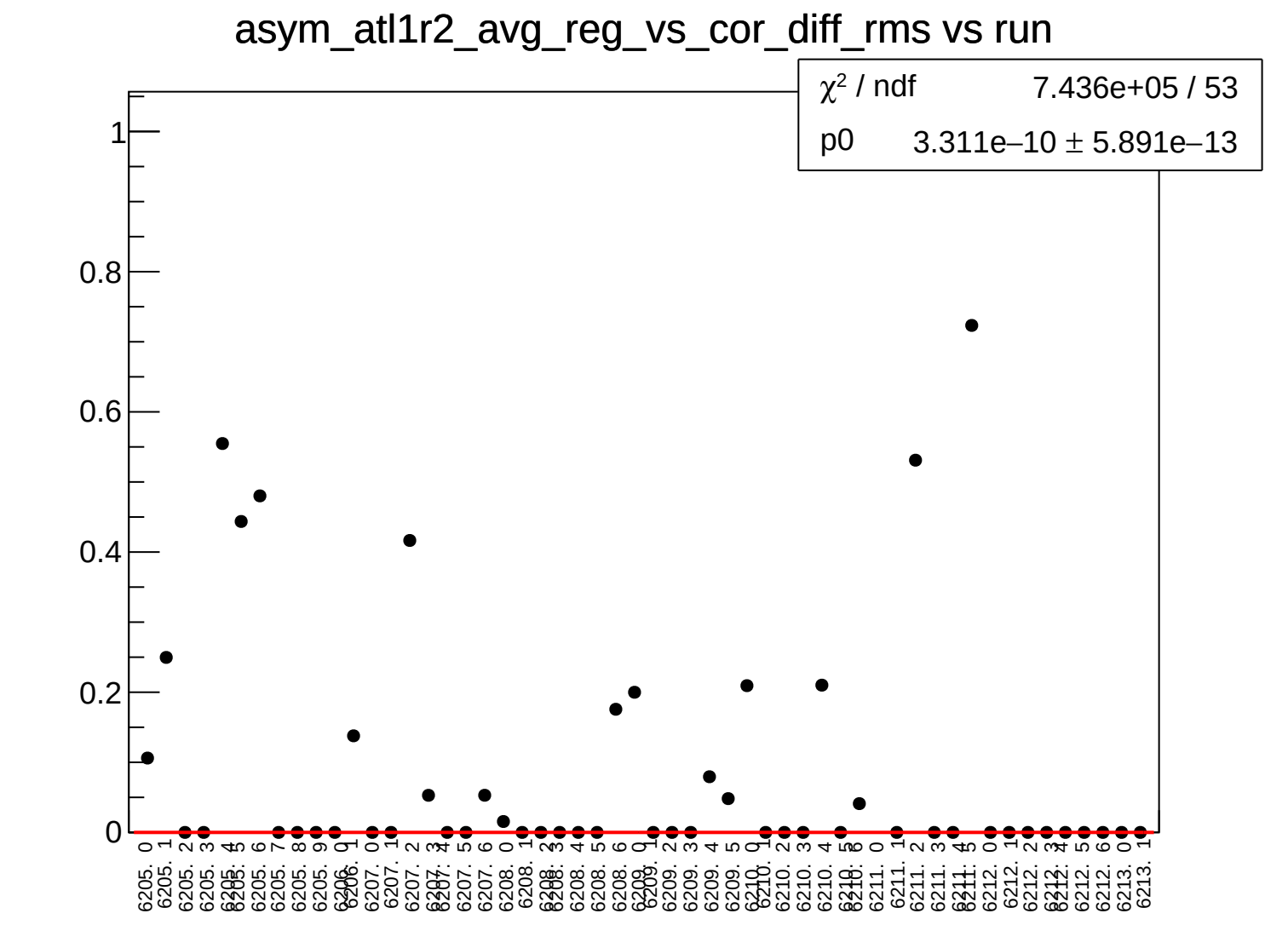

asym_atl1r2_avg_mean vs run
χ² / ndf 45.7 / 53
p0 1468 ± 9710
×10³
pull
Entries 54
Mean −64.61
Std Dev 0

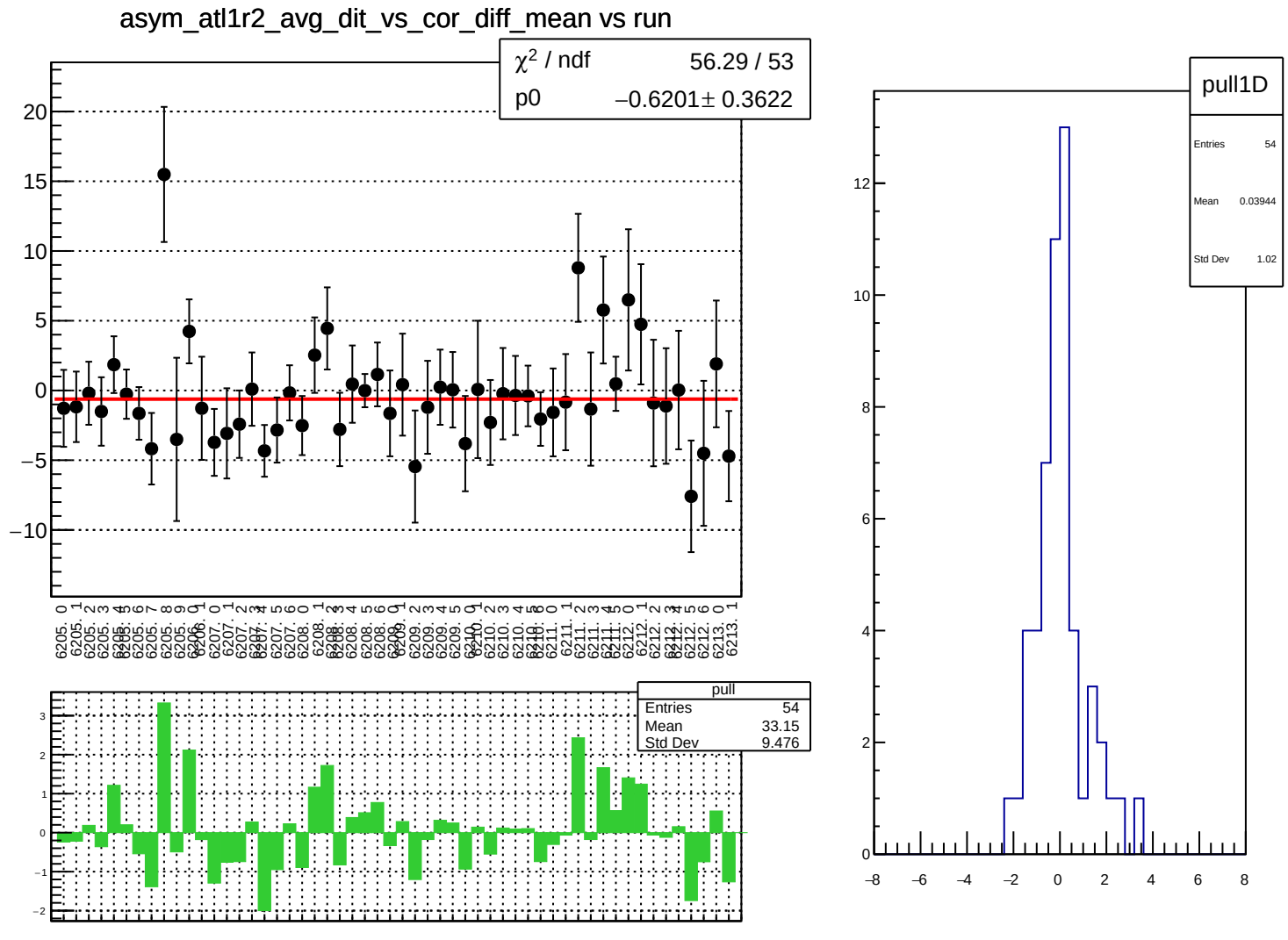

pull1D
Entries 54
Mean 0.01178
Std Dev 0.9199

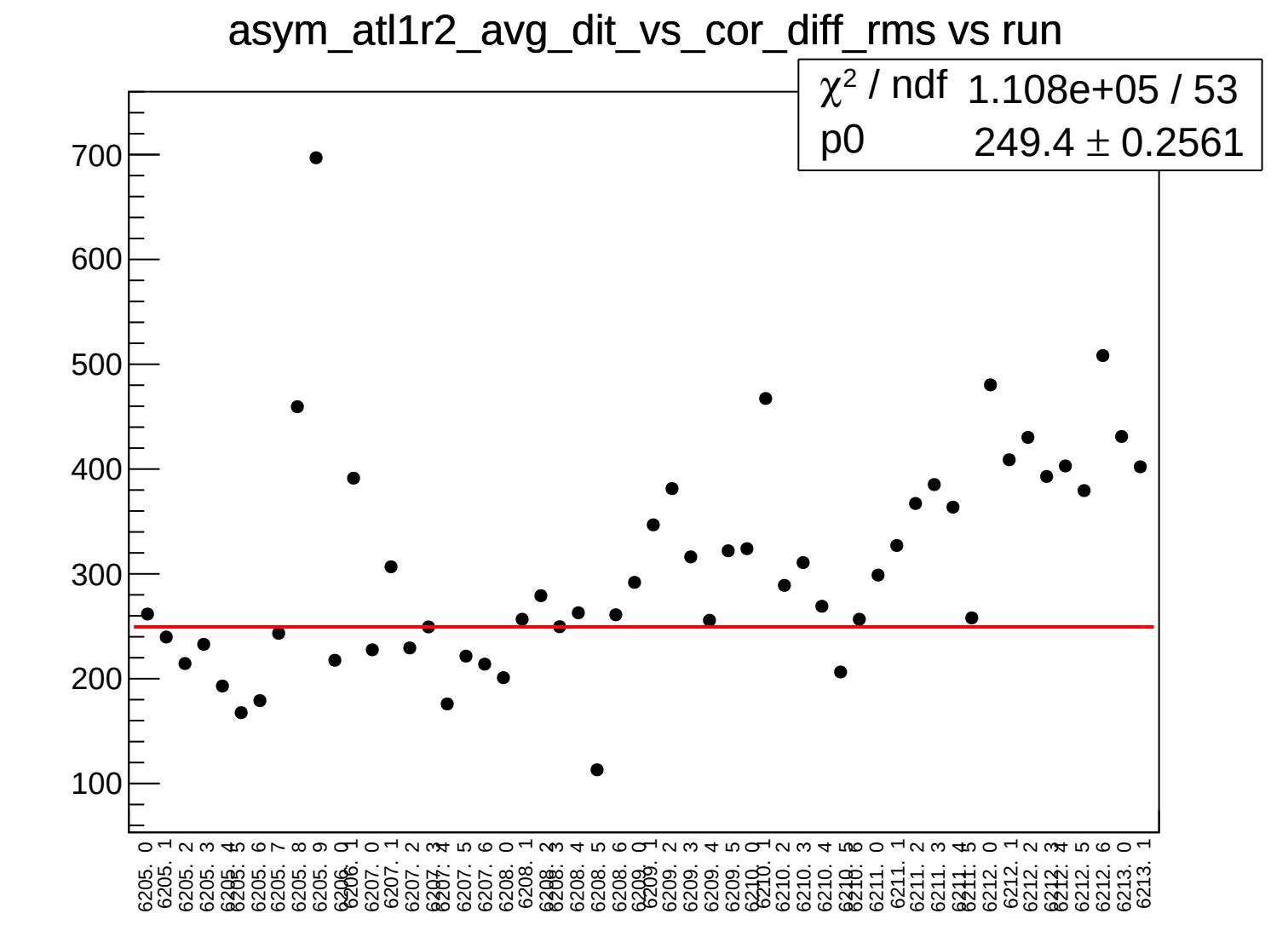

asym_atl1r2_avg_rms vs run
χ² / ndf 1837 / 53
p0 7061 ± 6.866
8200
8000
7800
7600
7400
7200
7000
6800
6600
6400
6200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 1
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

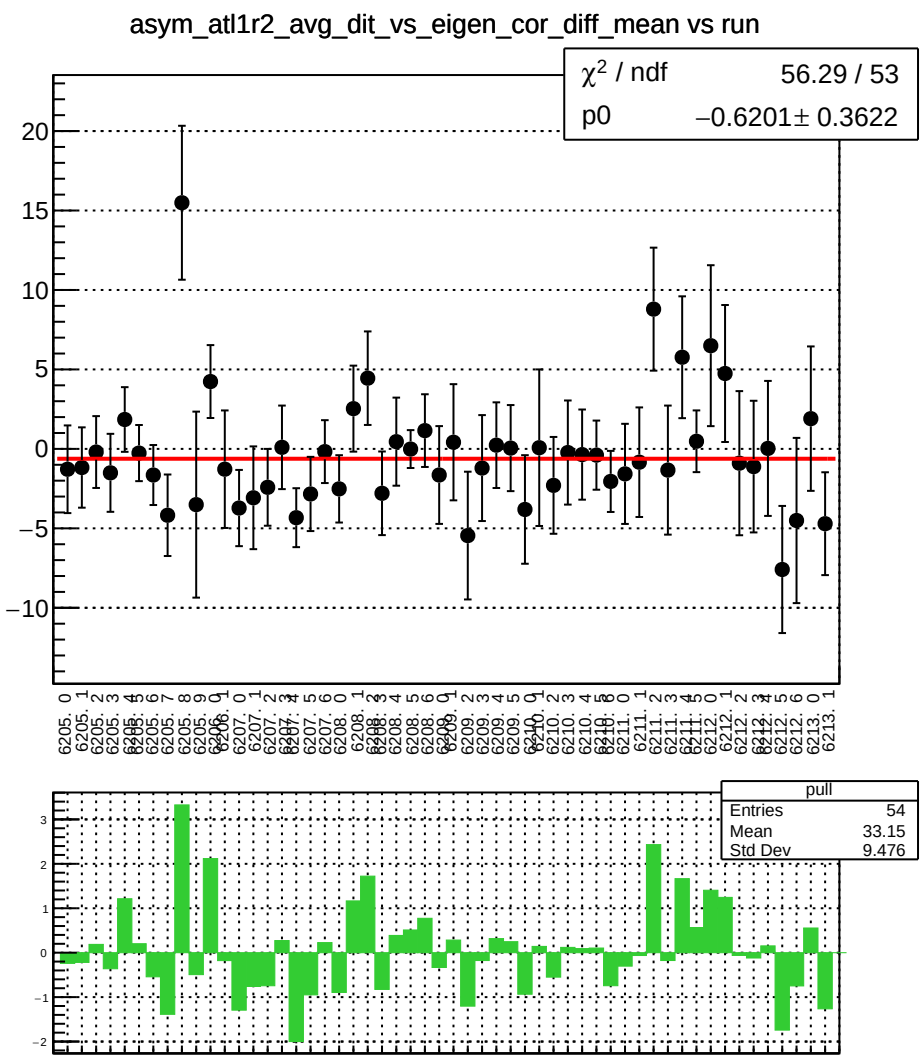

asym_atl1r2_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 53.7 / 53
p0 −7.438e−13 ± 8.331e−13
pull
Entries 54
Mean −32.48
Std Dev 0

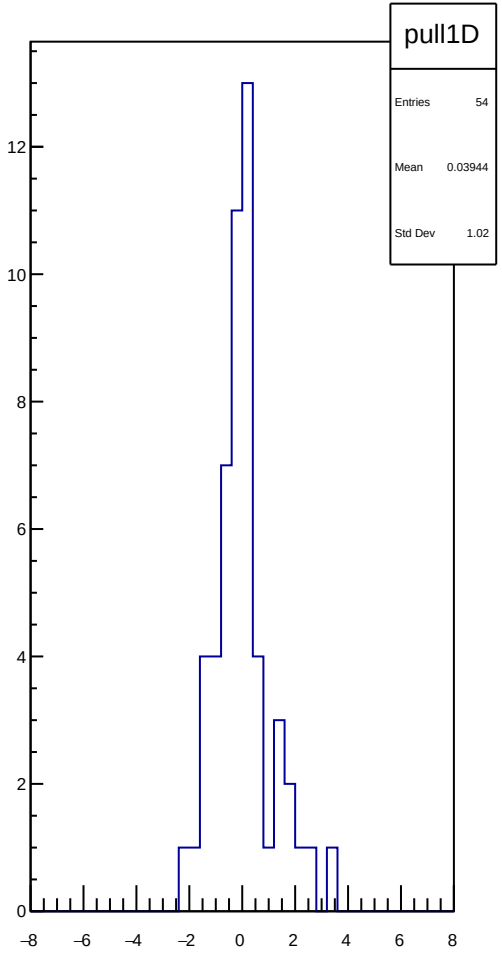

pull1D
Entries 54
Mean 0.03138
Std Dev 0.9967

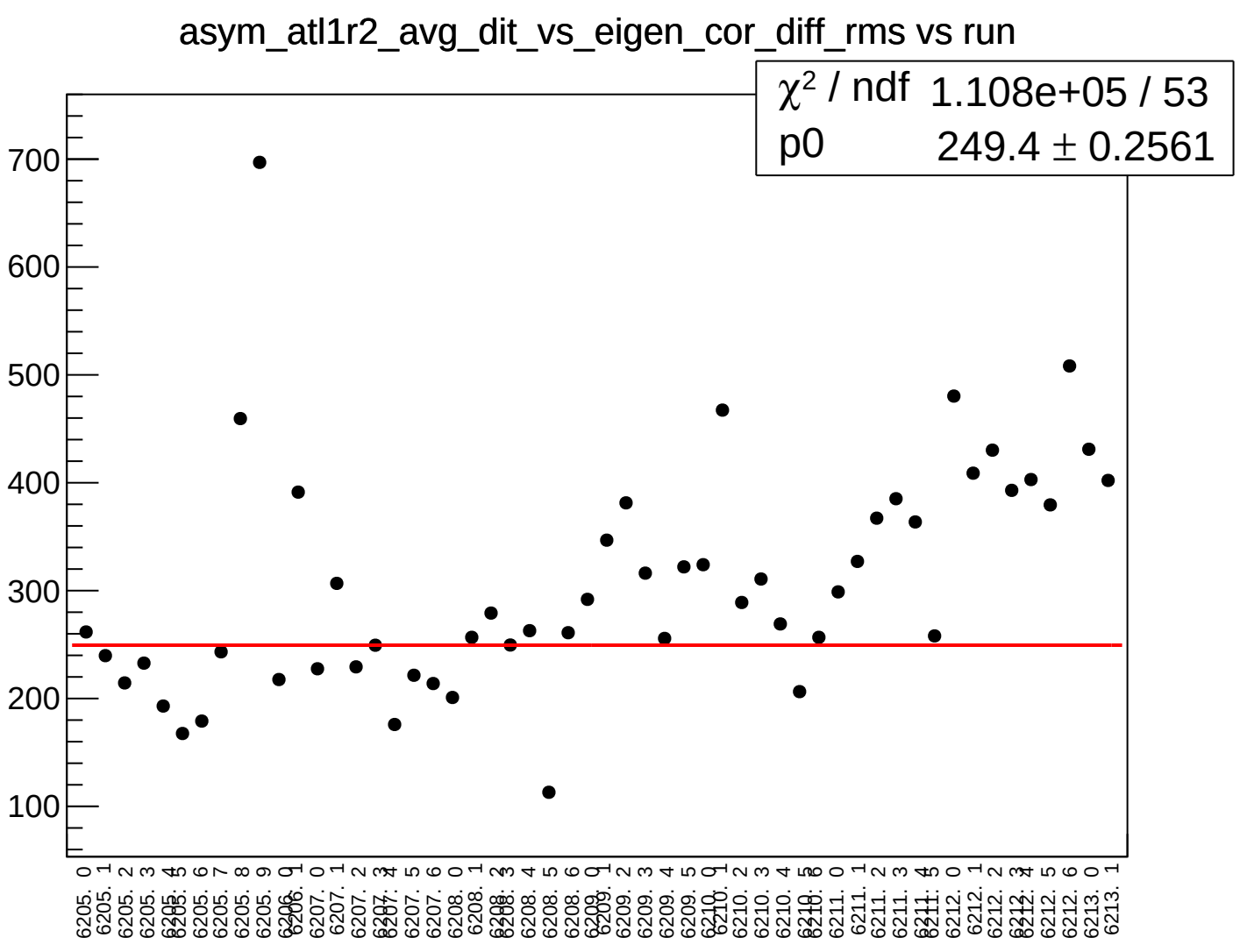

asym_atl1r2_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 7.436e+05 / 53
p0 3.311e−10 ± 5.891e−13
1
0.8
0.6
0.4
0.2
0

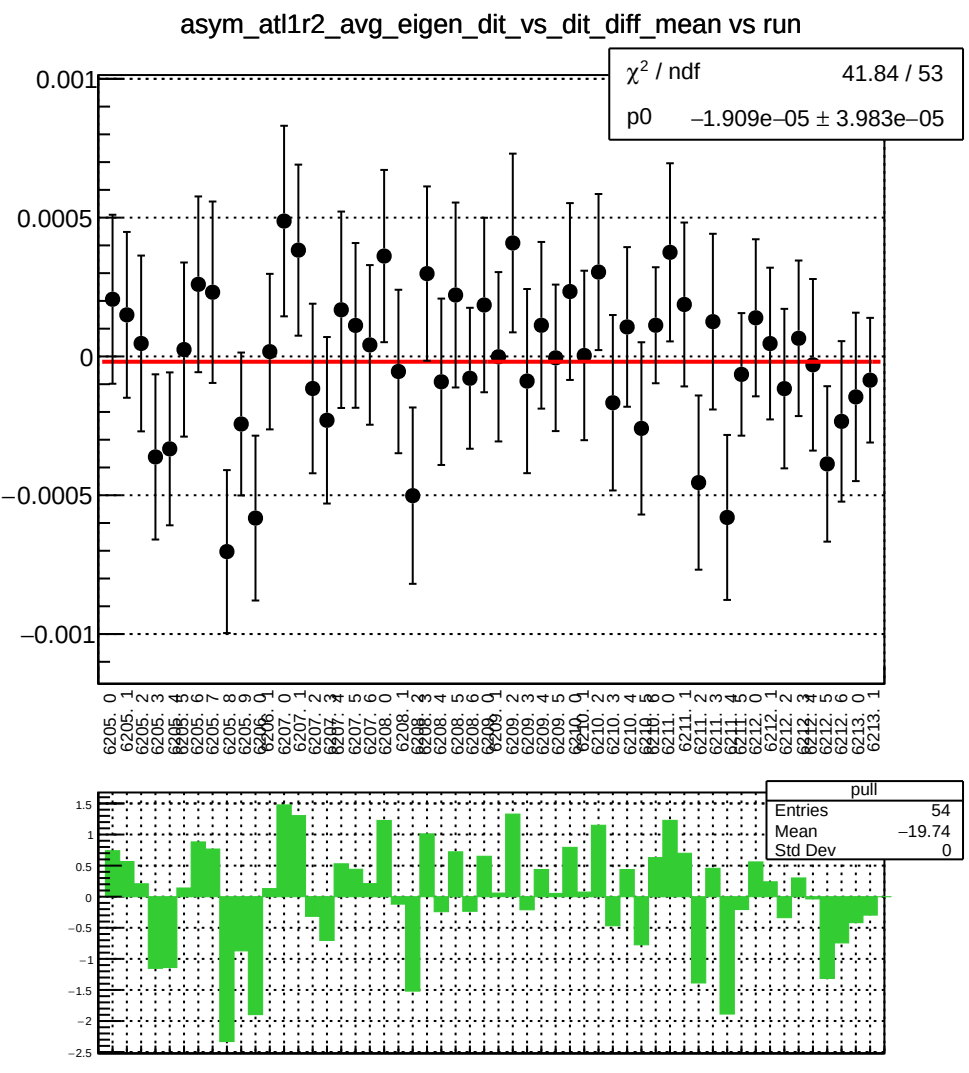

asym_atl1r2_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 56.29 / 53
p0 −0.6201± 0.3622
pull
Entries 54
Mean 33.15
Std Dev 9.476
pull1D
Entries 54
Mean 0.03944
Std Dev 1.02

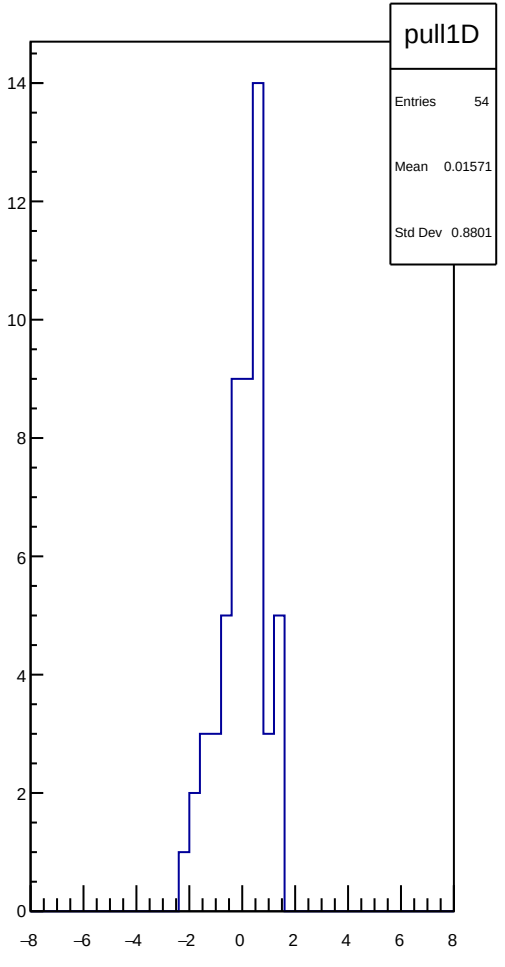

asym_atl1r2_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.108e+05 / 53
p0 249.4 ± 0.2561
700
600
500
400
300
200
100
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 1
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

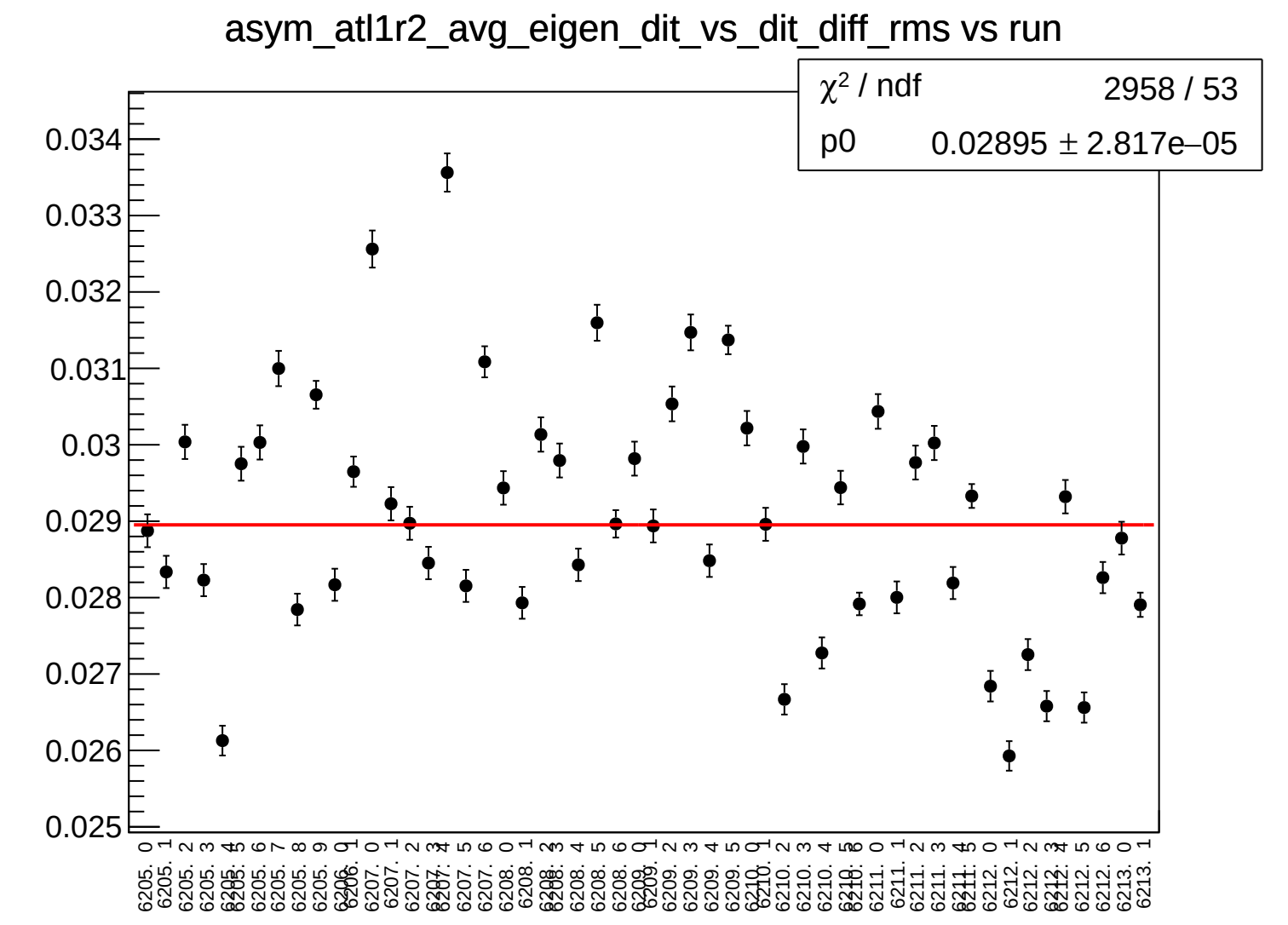

asym_atl1r2_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 56.29 / 53
p0 −0.6201± 0.3622
pull
Entries 54
Mean 33.15
Std Dev 9.476

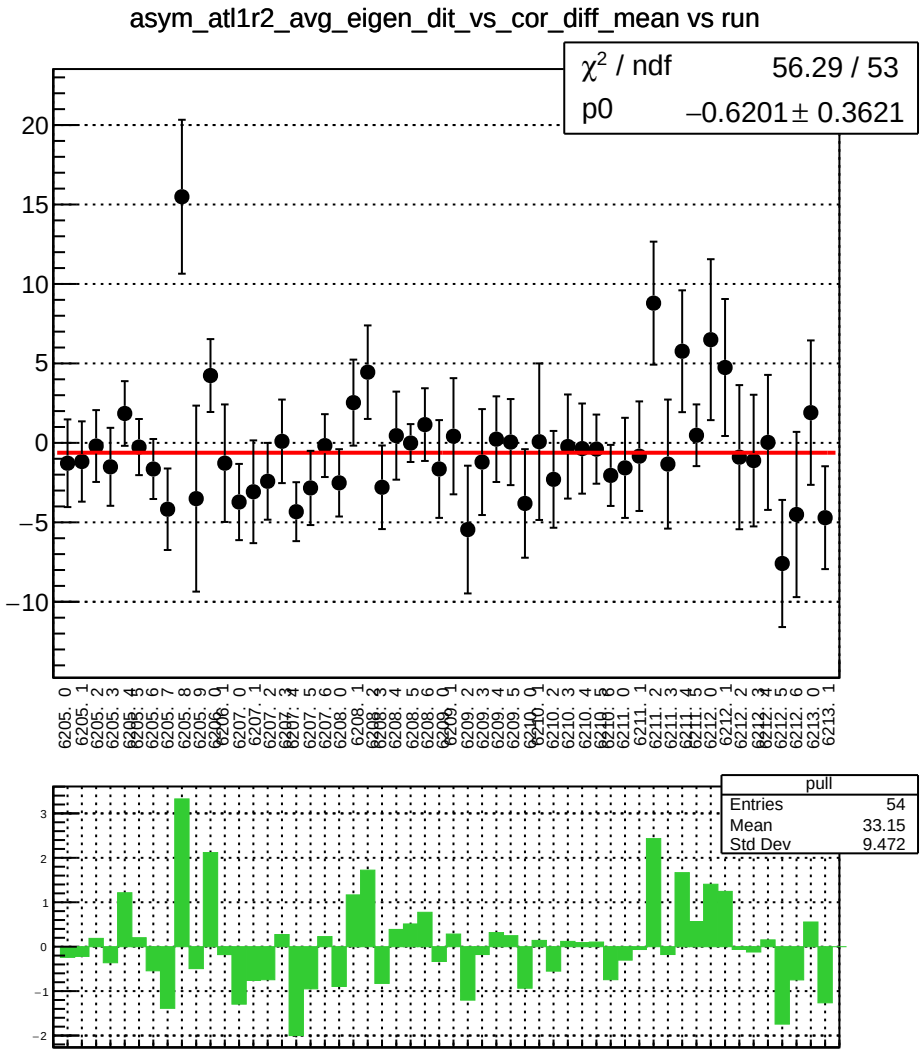

pull1D
Entries 54
Mean 0.03944
Std Dev 1.02

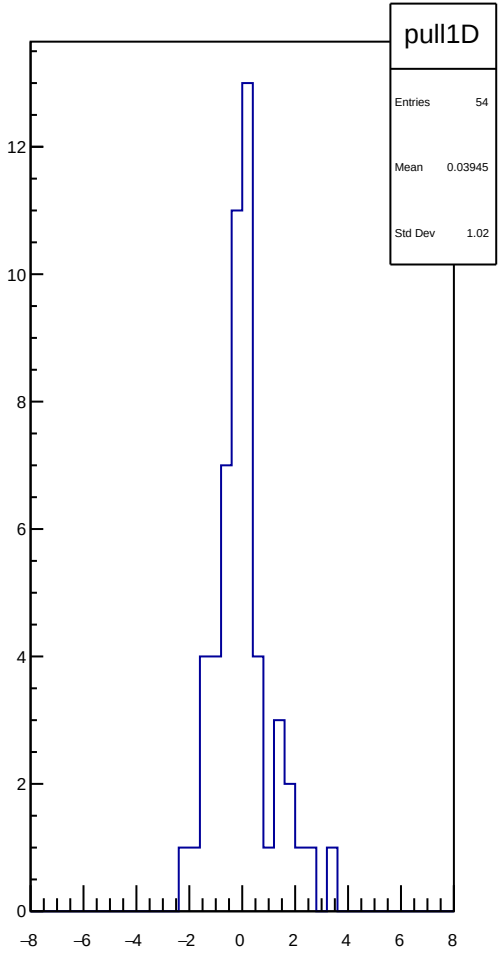

asym_atl1r2_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.108e+05 / 53
p0 249.4 ± 0.2561
700
600
500
400
300
200
100
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

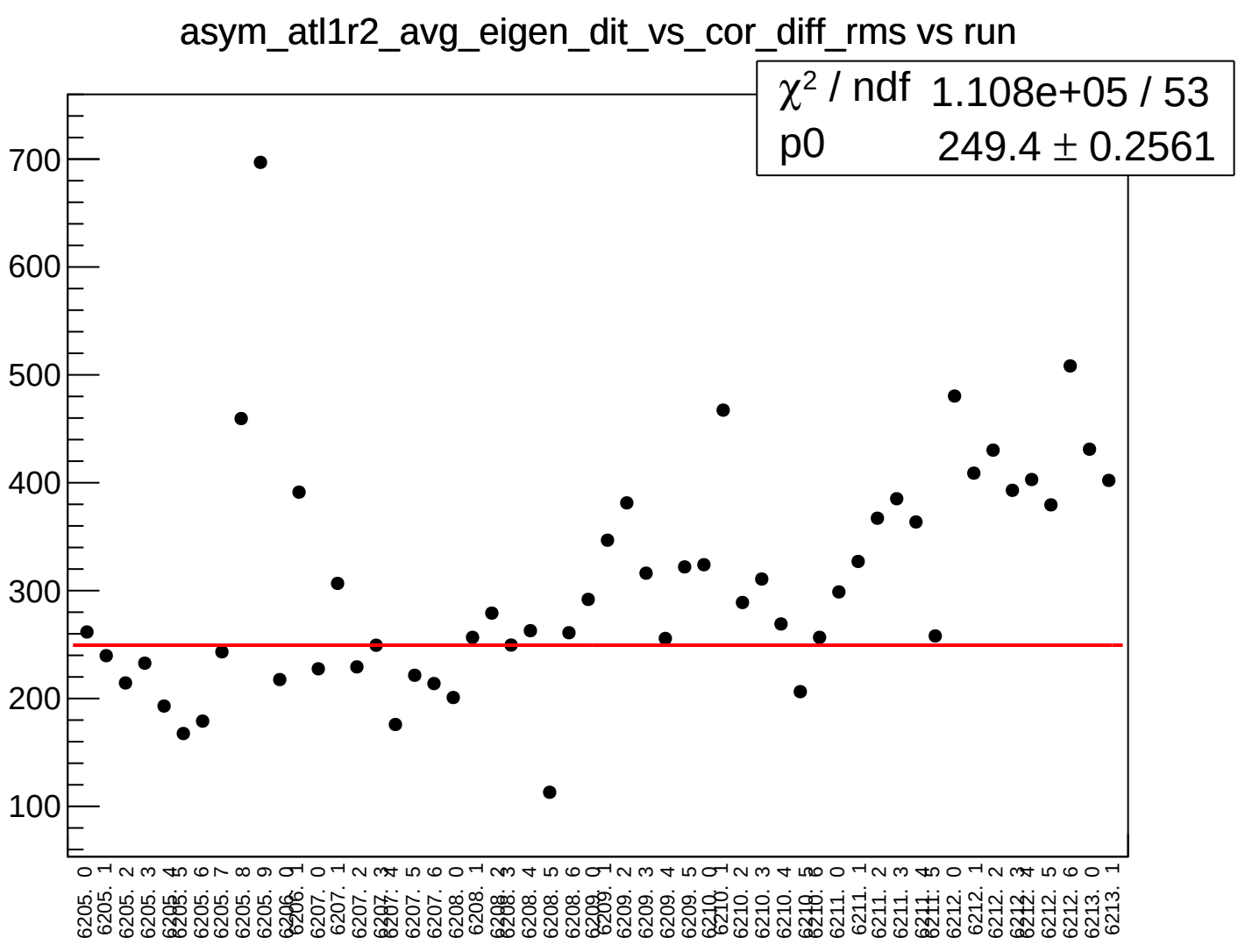

asym_atl1r2_avg_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 41.84 / 53
p0 −1.909e−05 ± 3.983e−05
0.001
0.0005
0
−0.0005
−0.001
pull
Entries 54
Mean −19.74
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

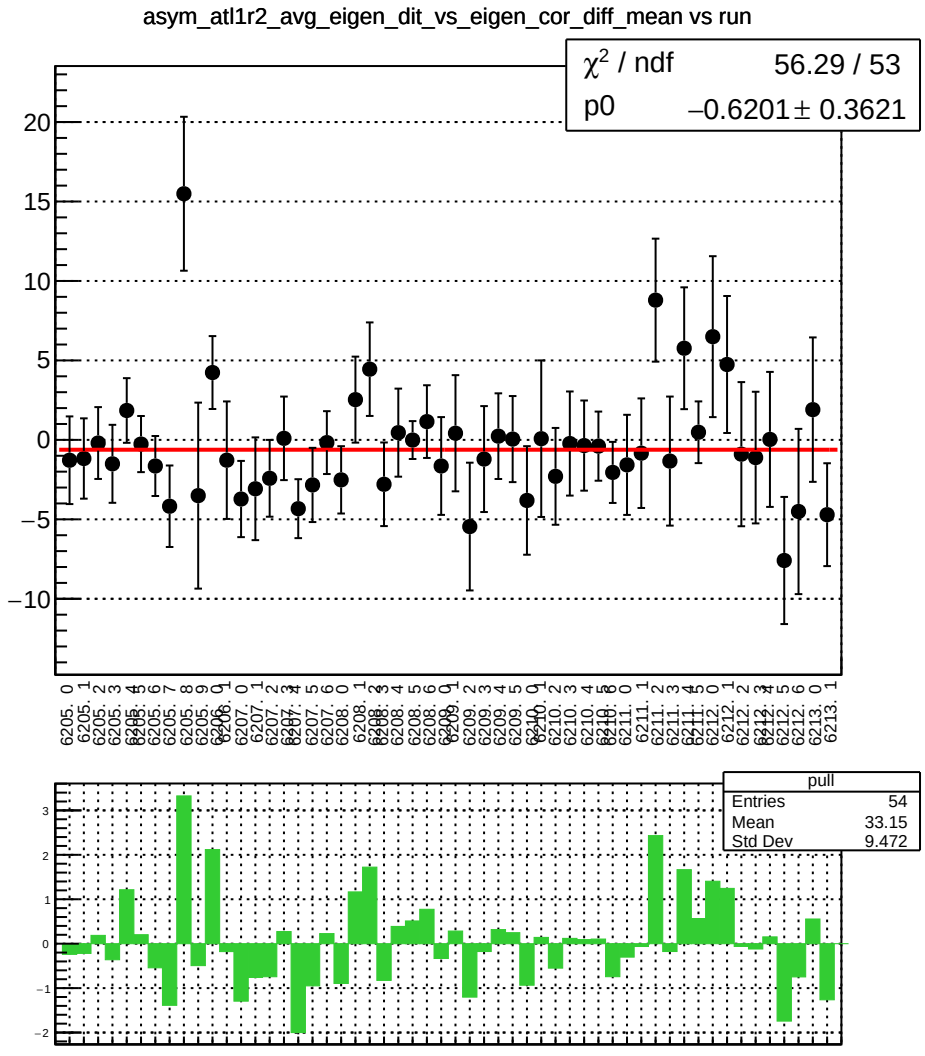

pull1D
Entries 54
Mean 0.01571
Std Dev 0.8801
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

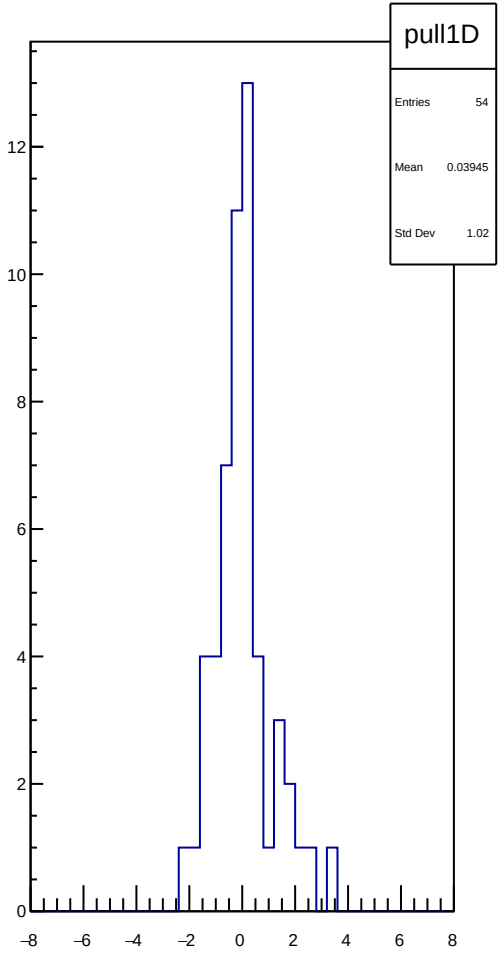

asym_atl1r2_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2958 / 53
p0 0.02895 ± 2.817e–05
0.034
0.033
0.032
0.031
0.03
0.029
0.028
0.027
0.026
0.025
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

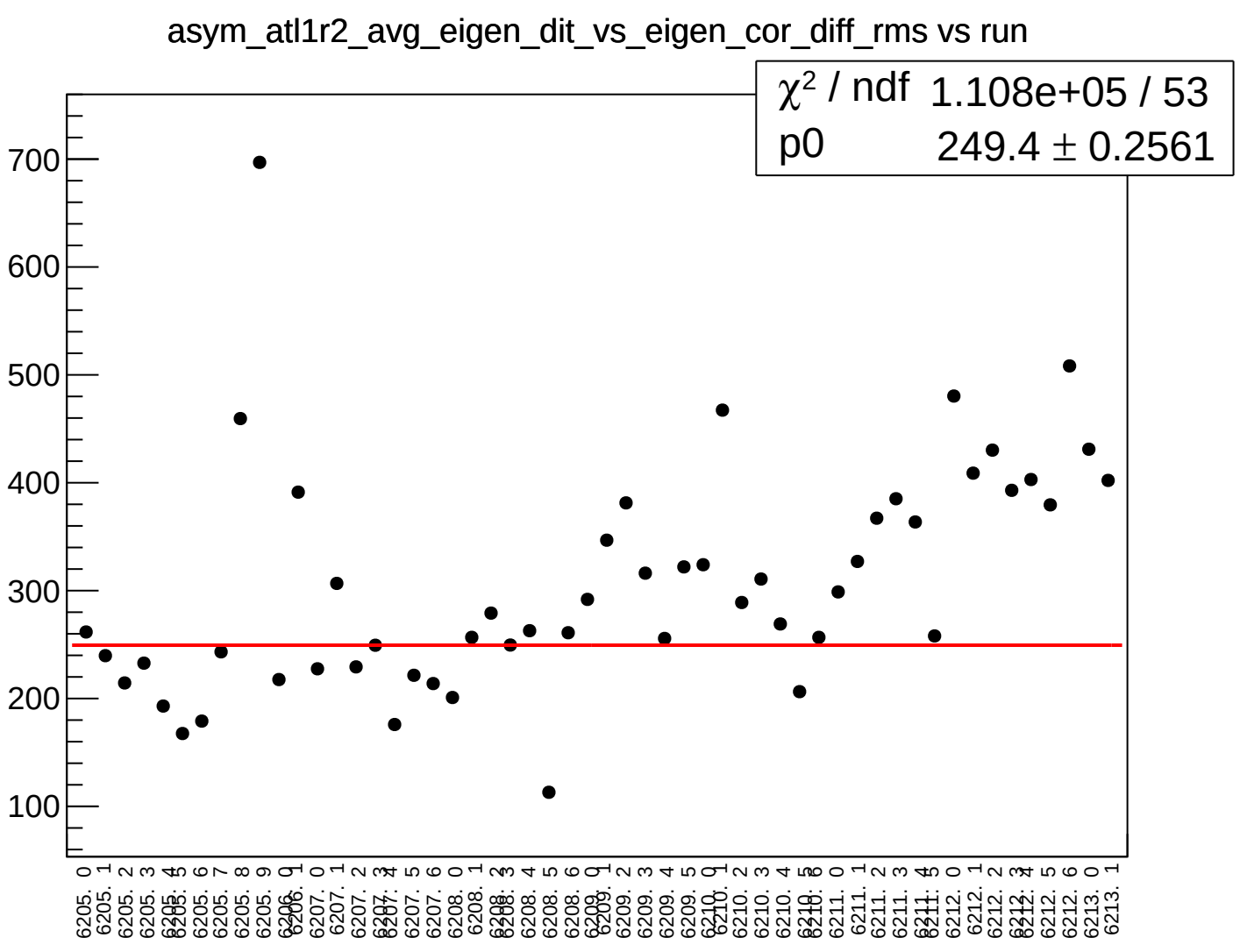

asym_atl1r2_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 56.29 / 53
p0 −0.6201 ± 0.3621
pull
Entries 54
Mean 33.15
Std Dev 9.472

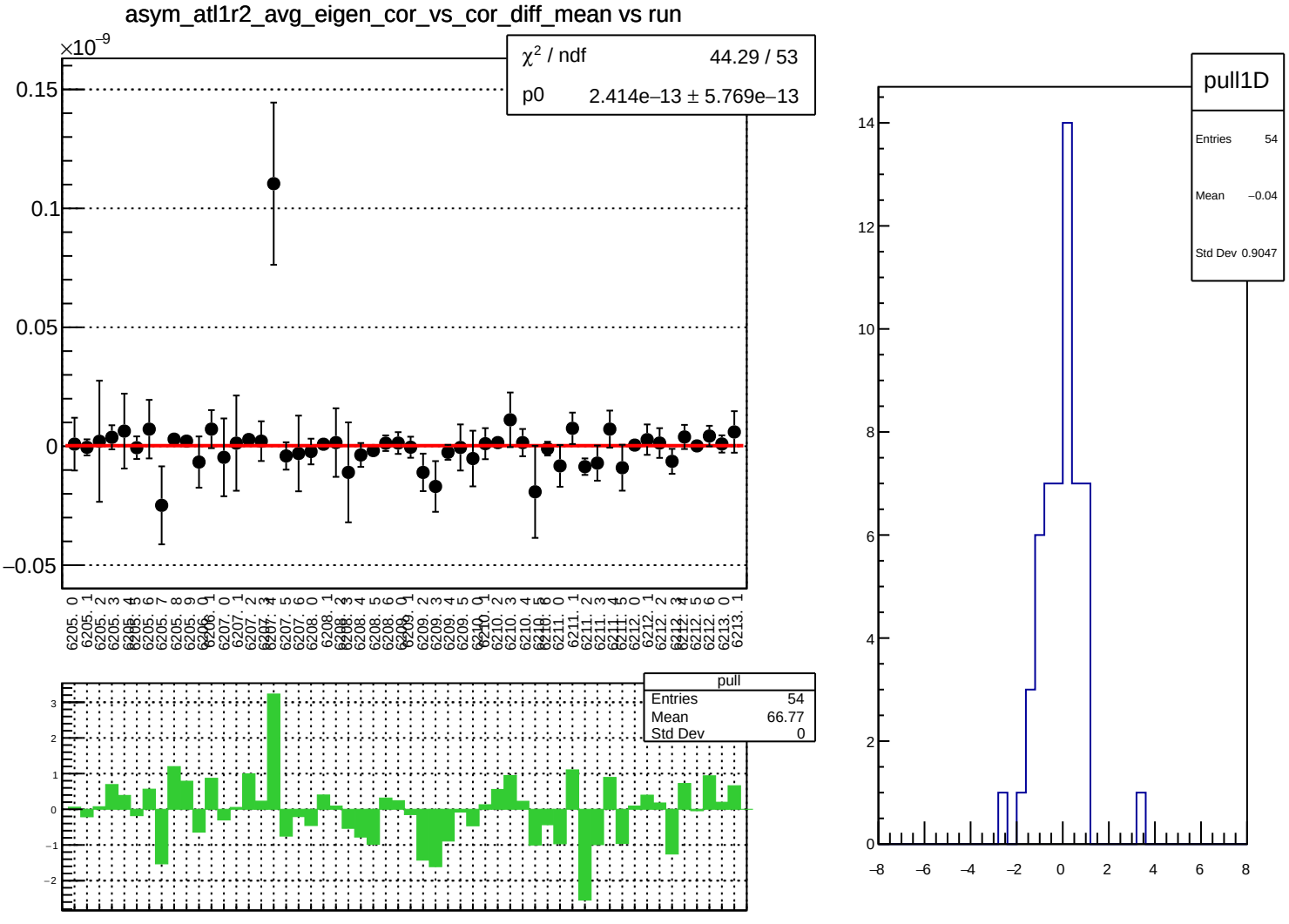

pull1D
Entries 54
Mean 0.03945
Std Dev 1.02

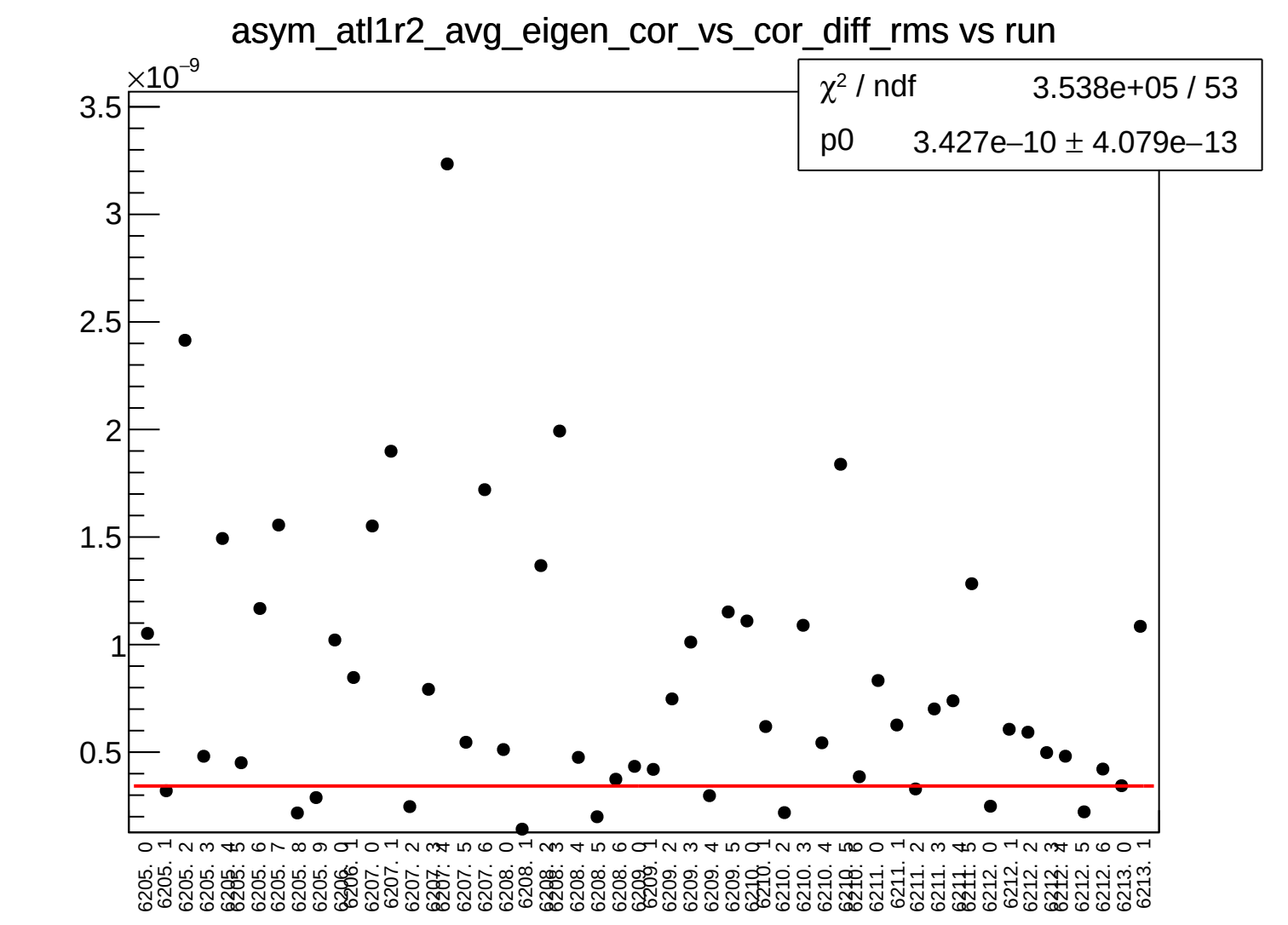

asym_atl1r2_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.108e+05 / 53
p0 249.4 ± 0.2561
700
600
500
400
300
200
100
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 1
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

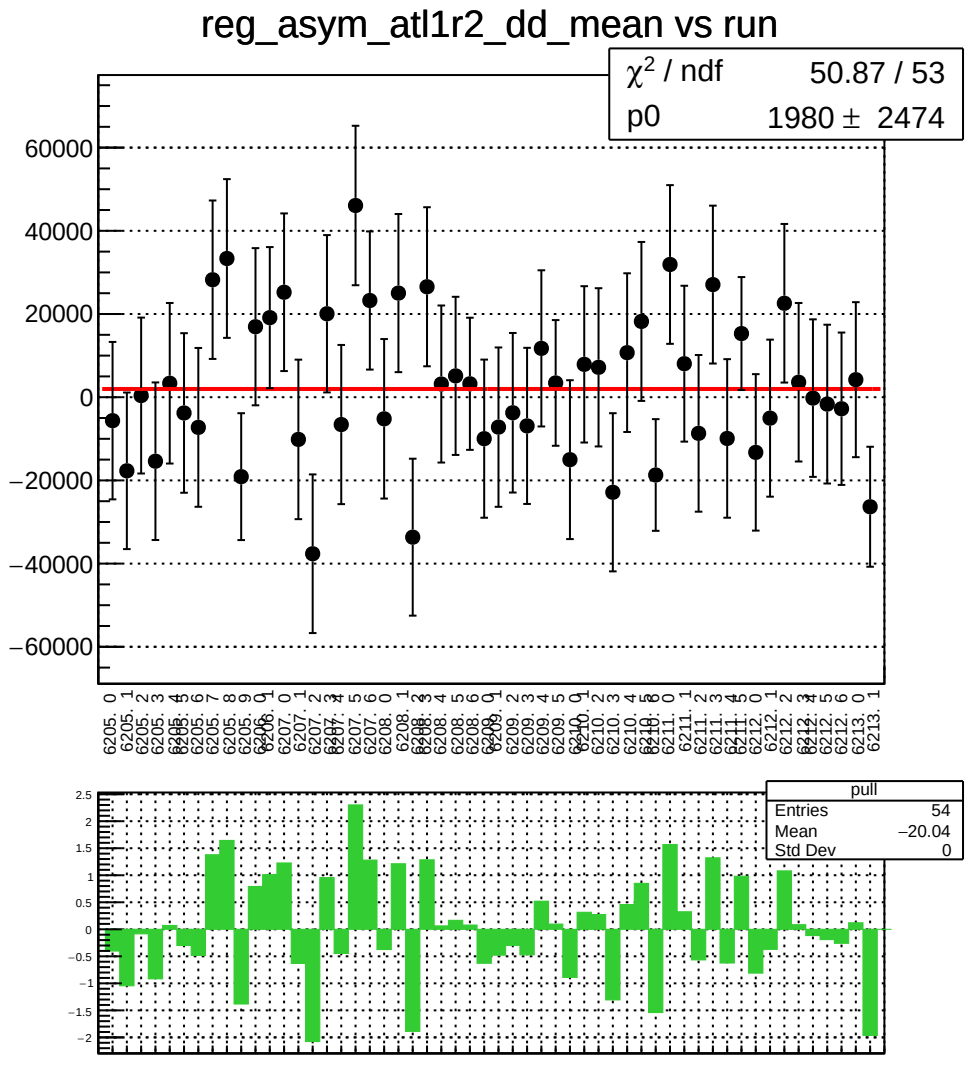

asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 56.29 / 53
p0 −0.6201 ± 0.3621
pull
Entries 54
Mean 33.15
Std Dev 9.472

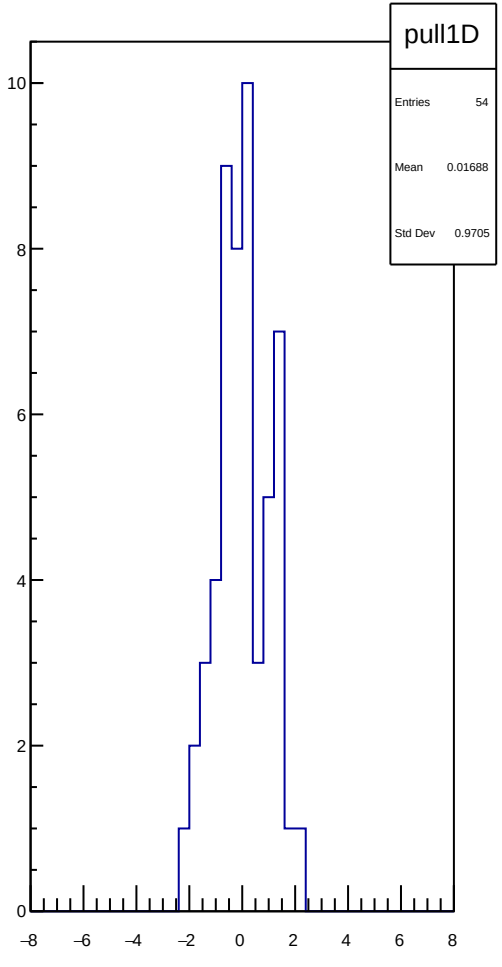

pull1D
Entries 54
Mean 0.03945
Std Dev 1.02

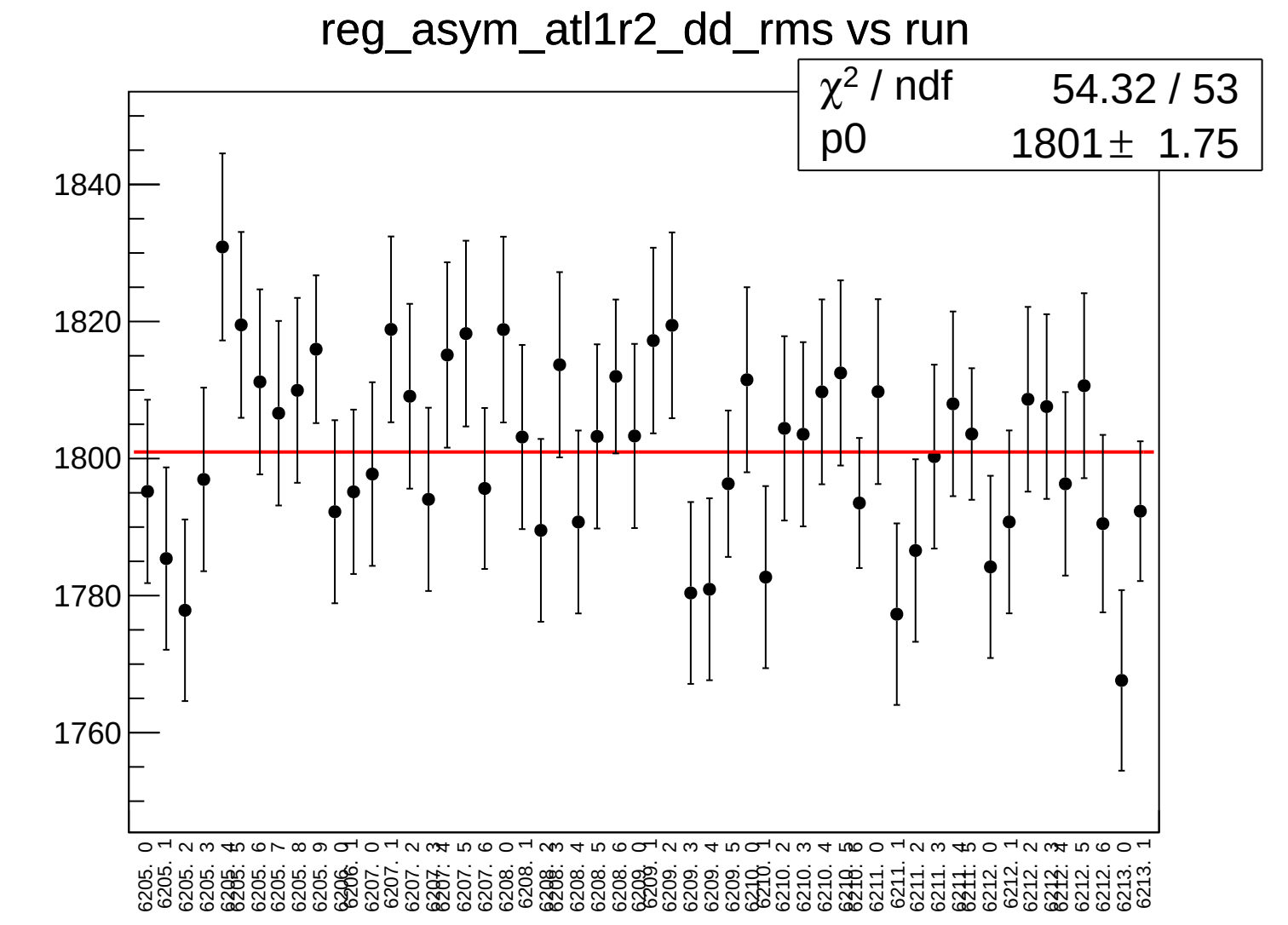

asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.108e+05 / 53
p0 249.4 ± 0.2561
700
600
500
400
300
200
100
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 1
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

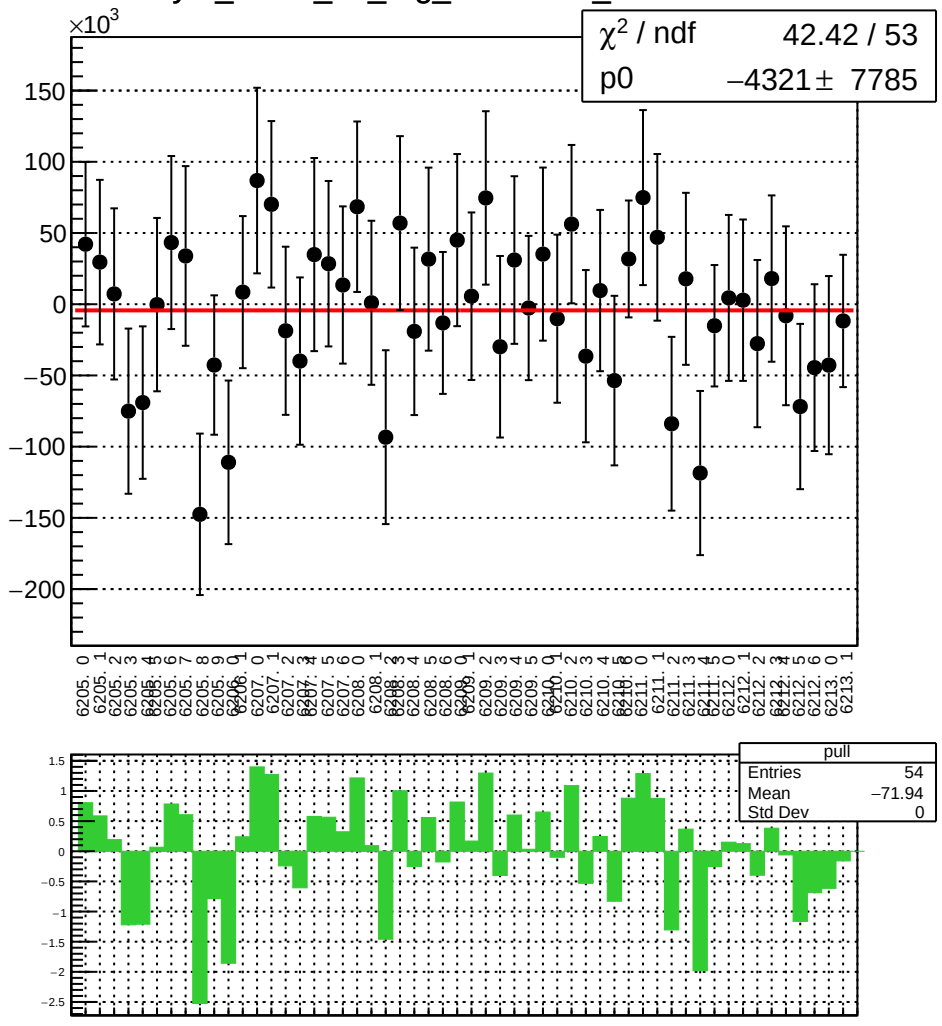

asym_atl1r2_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻⁹
χ² / ndf 44.29 / 53
p0 2.414e−13 ± 5.769e−13
0.15
0.1
0.05
0
−0.05
pull
Entries 54
Mean 66.77
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 54
Mean −0.04
Std Dev 0.9047
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

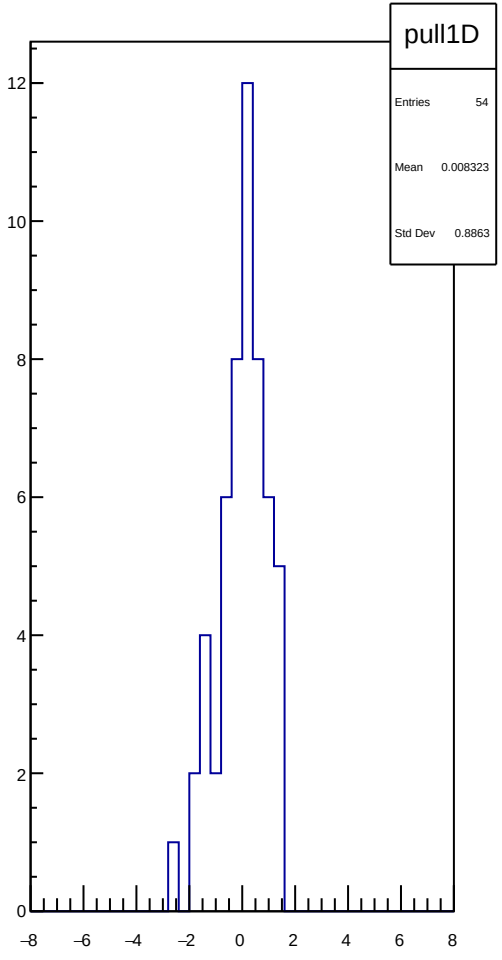

asym_atl1r2_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.538e+05 / 53
p0 3.427e−10 ± 4.079e−13
3.5
3
2.5
2
1.5
1
0.5
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

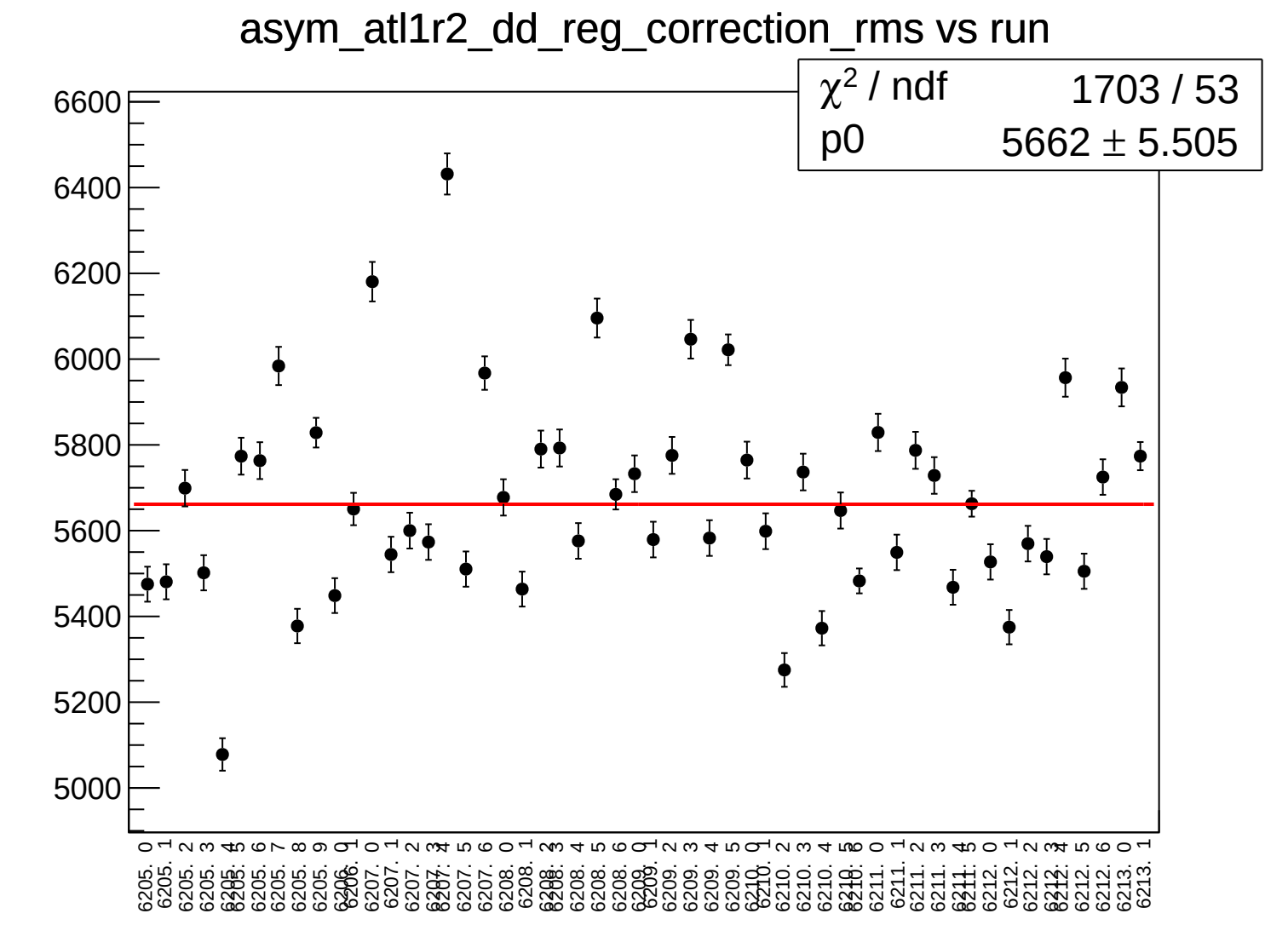

reg_asym_atl1r2_dd_mean vs run
χ² / ndf 50.87 / 53
p0 1980 ± 2474
pull
Entries 54
Mean −20.04
Std Dev 0

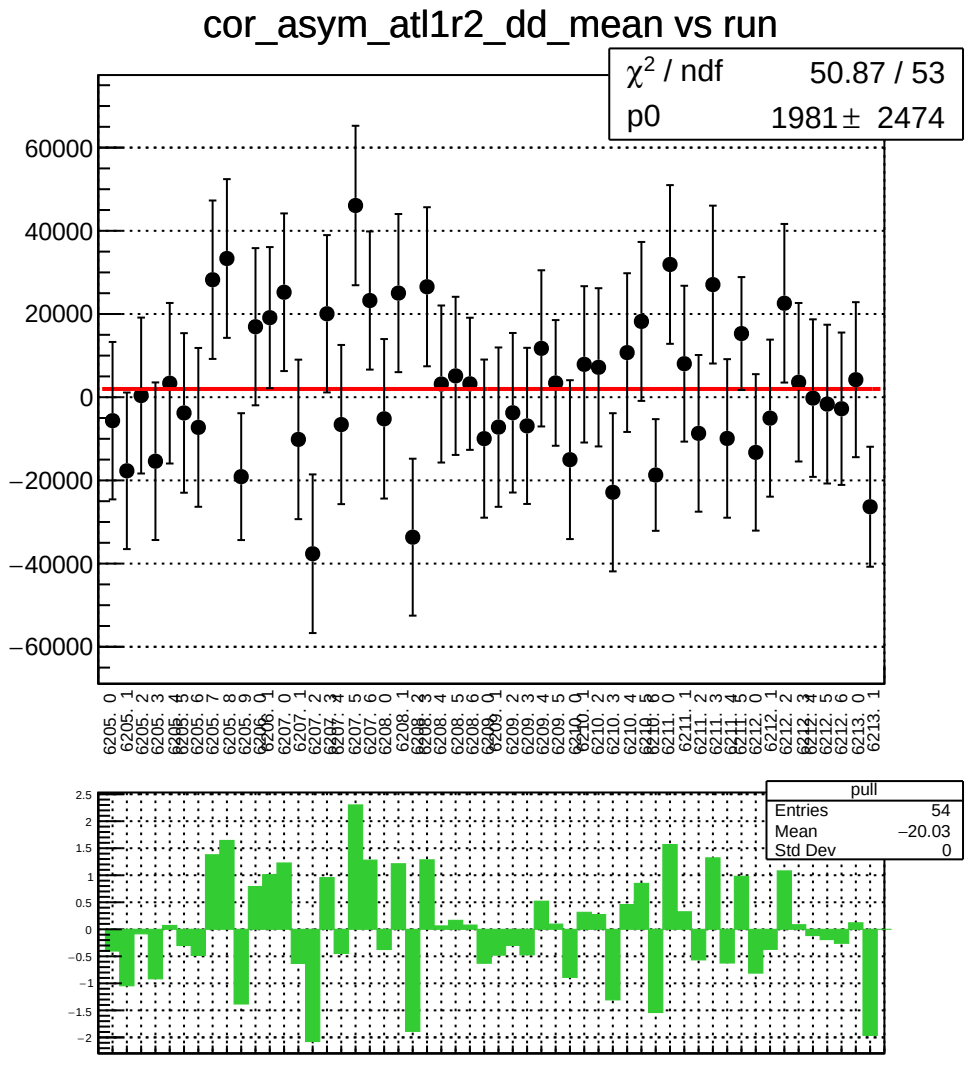

pull1D
Entries 54
Mean 0.01688
Std Dev 0.9705

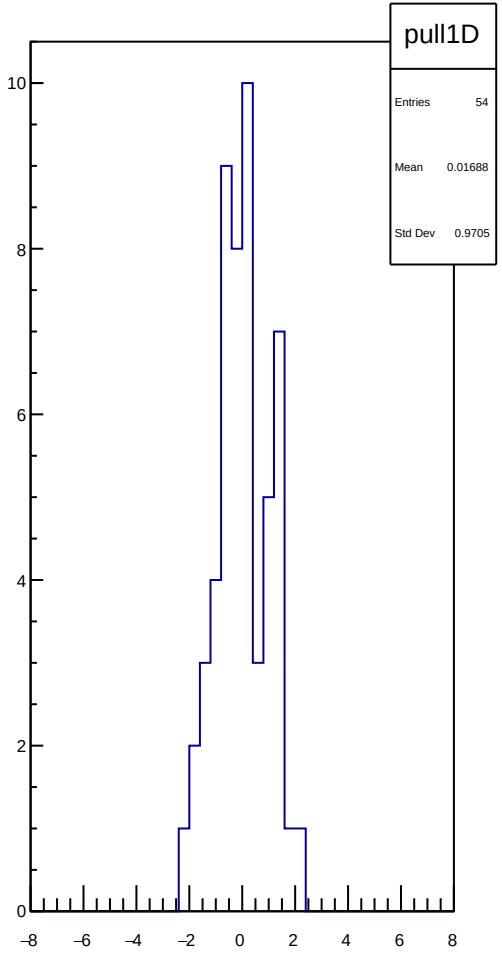

reg_asym_atl1r2_dd_rms vs run
χ² / ndf 54.32 / 53
p0 1801 ± 1.75
1840
1820
1800
1780
1760
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

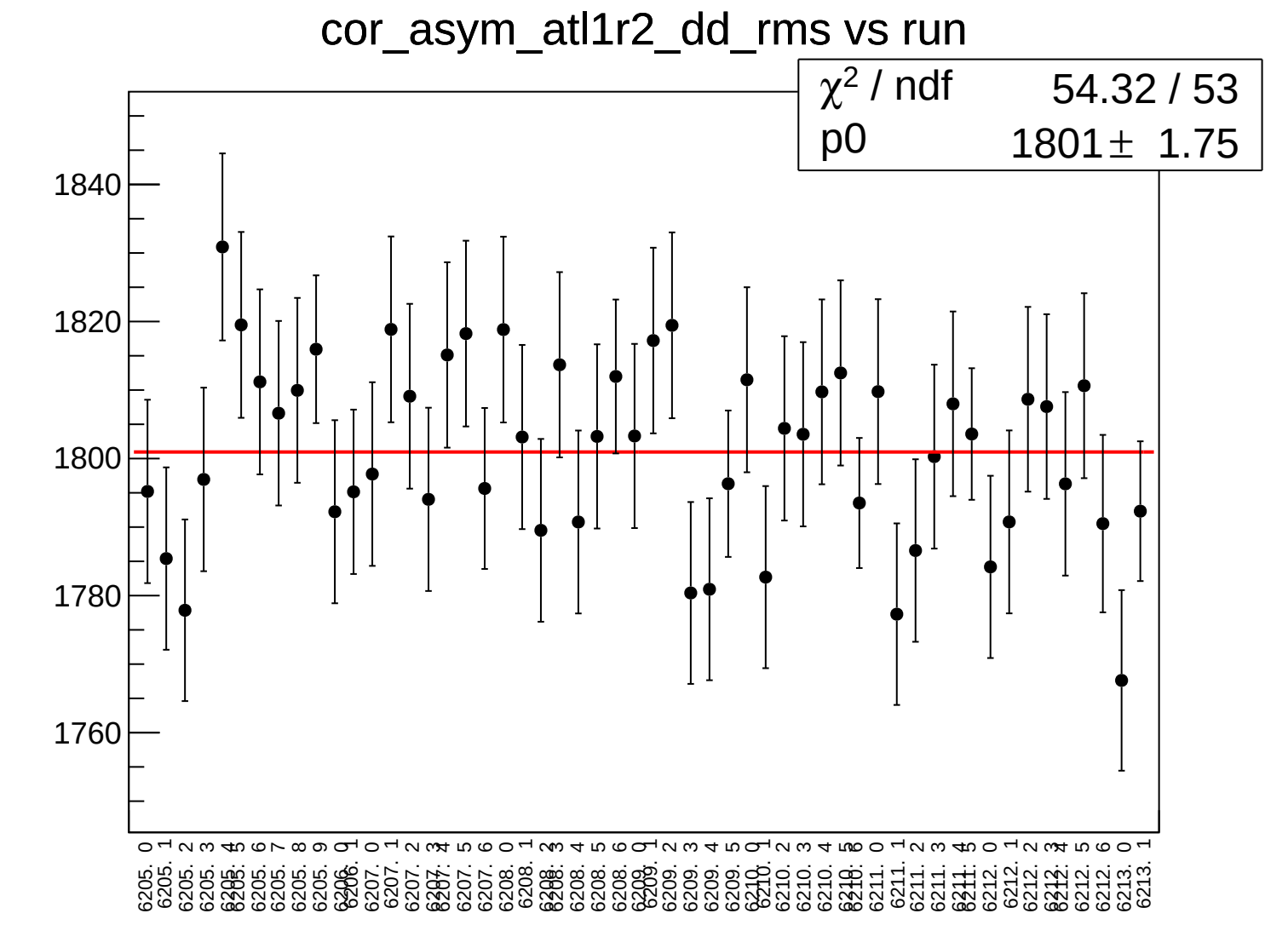

asym_atl1r2_dd_reg_correction_mean vs run
×10^3
χ² / ndf 42.42 / 53
p0 −4321 ± 7785
150
100
50
0
−50
−100
−150
−200
pull
Entries 54
Mean −71.94
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

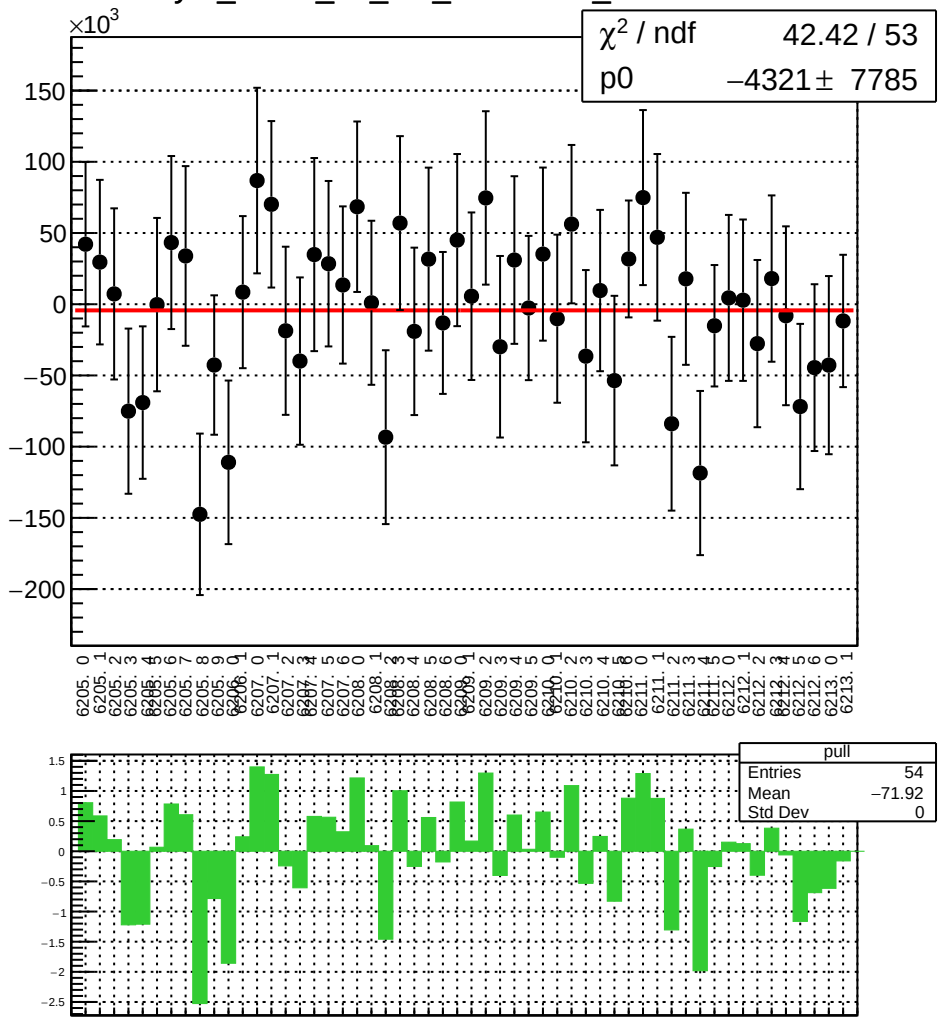

pull1D
Entries 54
Mean 0.008323
Std Dev 0.8863
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

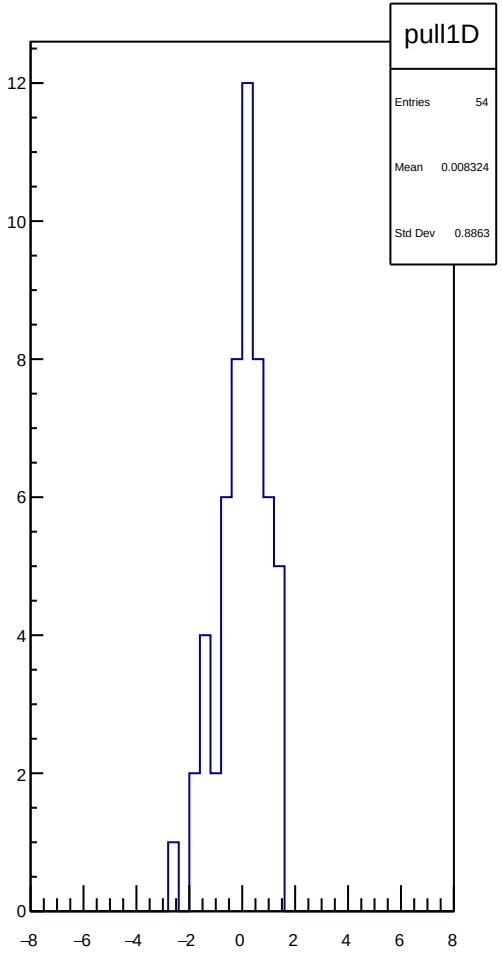

asym_atl1r2_dd_reg_correction_rms vs run
χ² / ndf 1703 / 53
p0 5662 ± 5.505
6600
6400
6200
6000
5800
5600
5400
5200
5000

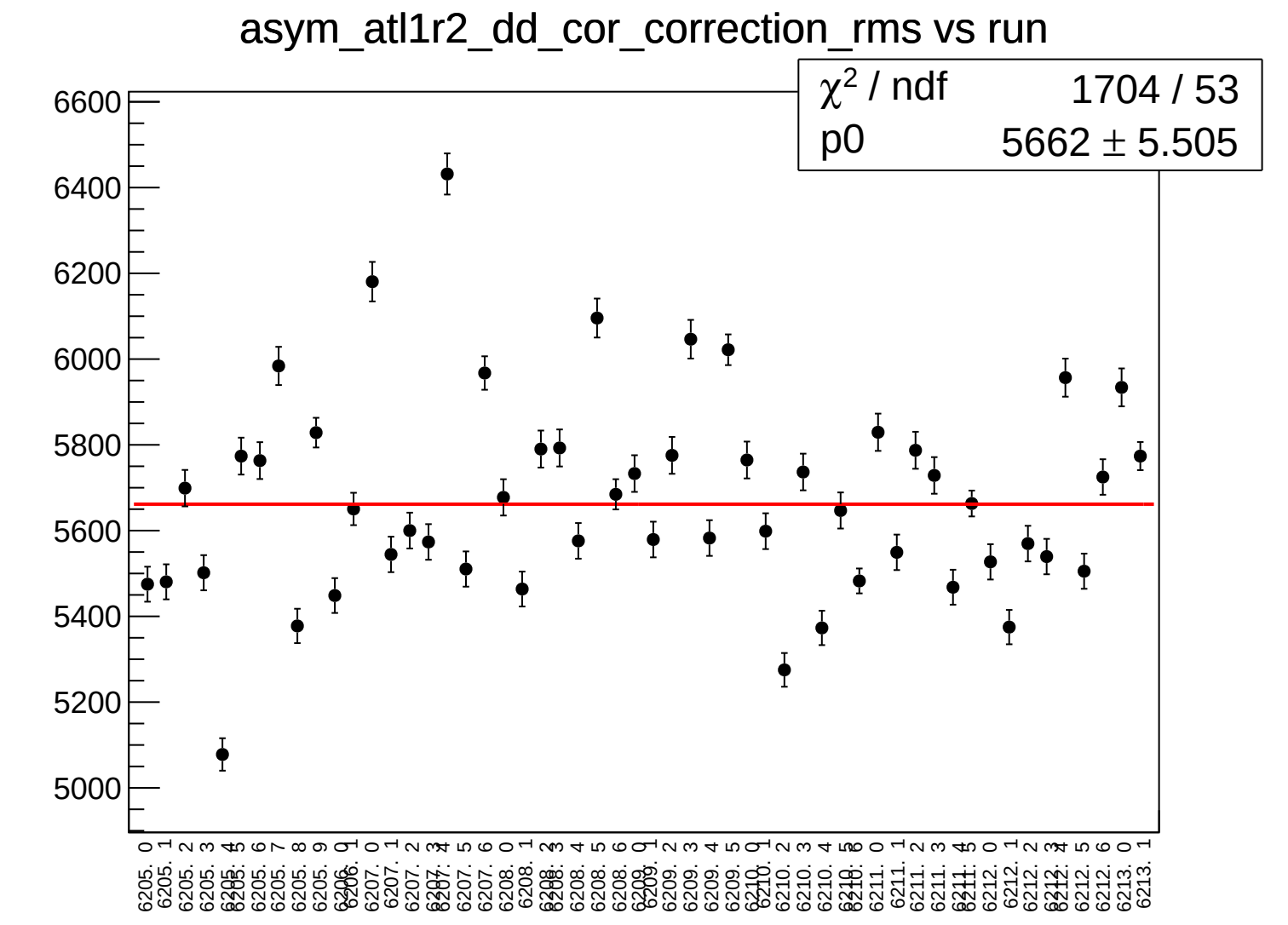

cor_asym_atl1r2_dd_mean vs run
χ² / ndf 50.87 / 53
p0 1981 ± 2474
pull
Entries 54
Mean −20.03
Std Dev 0

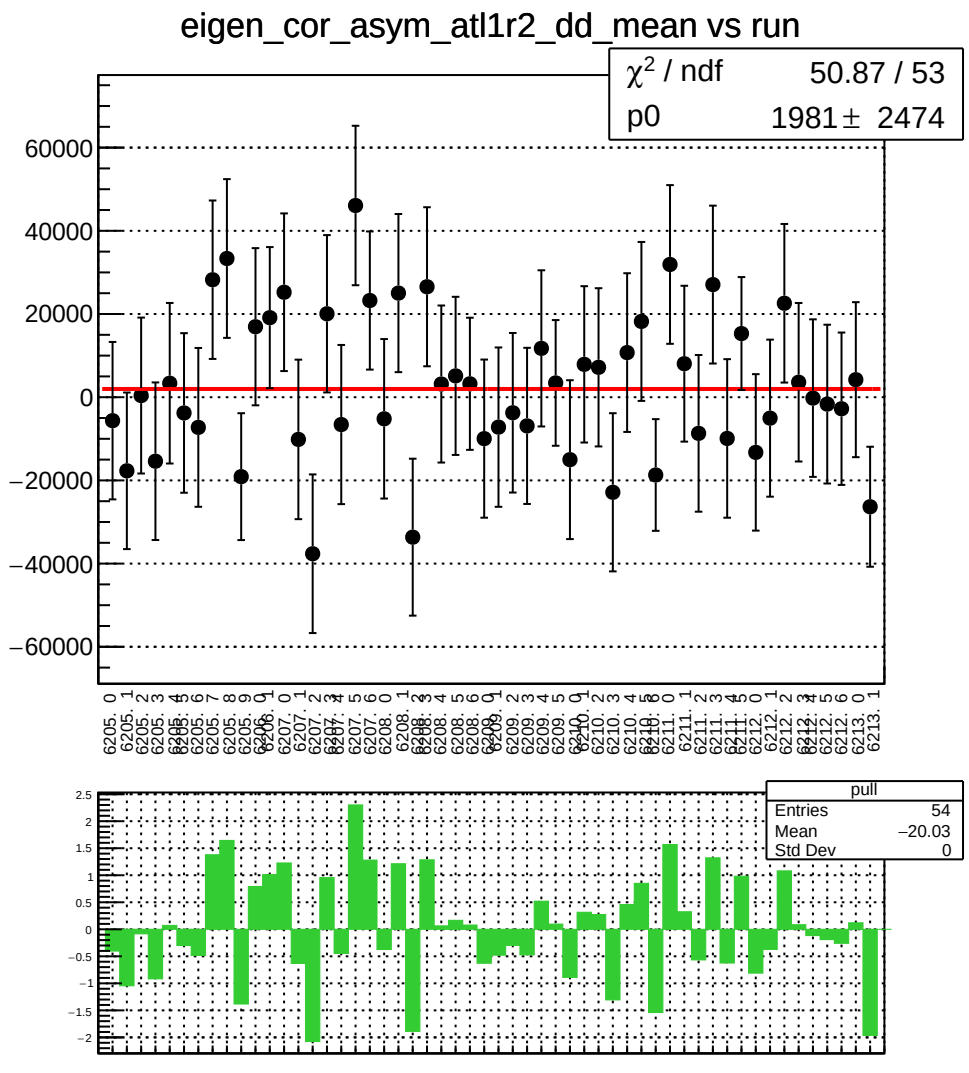

pull1D
Entries 54
Mean 0.01688
Std Dev 0.9705

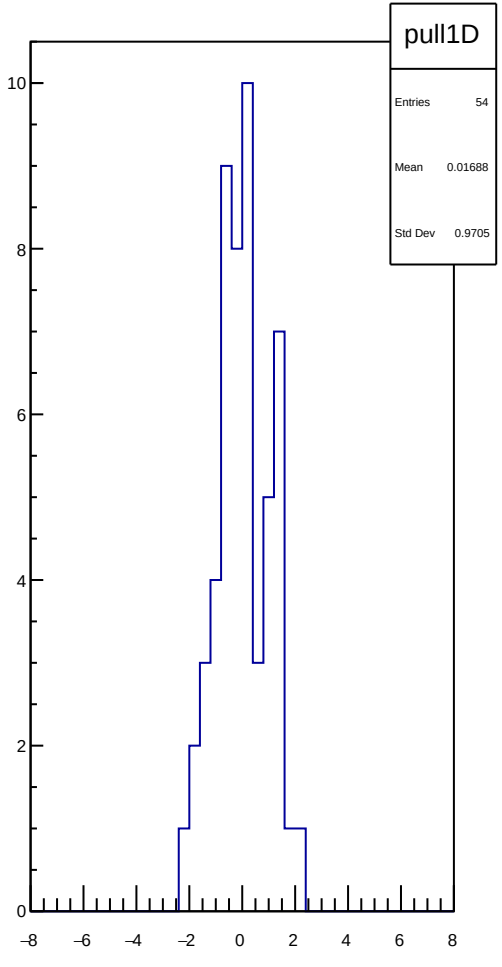

cor_asym_atl1r2_dd_rms vs run
χ² / ndf 54.32 / 53
p0 1801 ± 1.75
1840
1820
1800
1780
1760
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

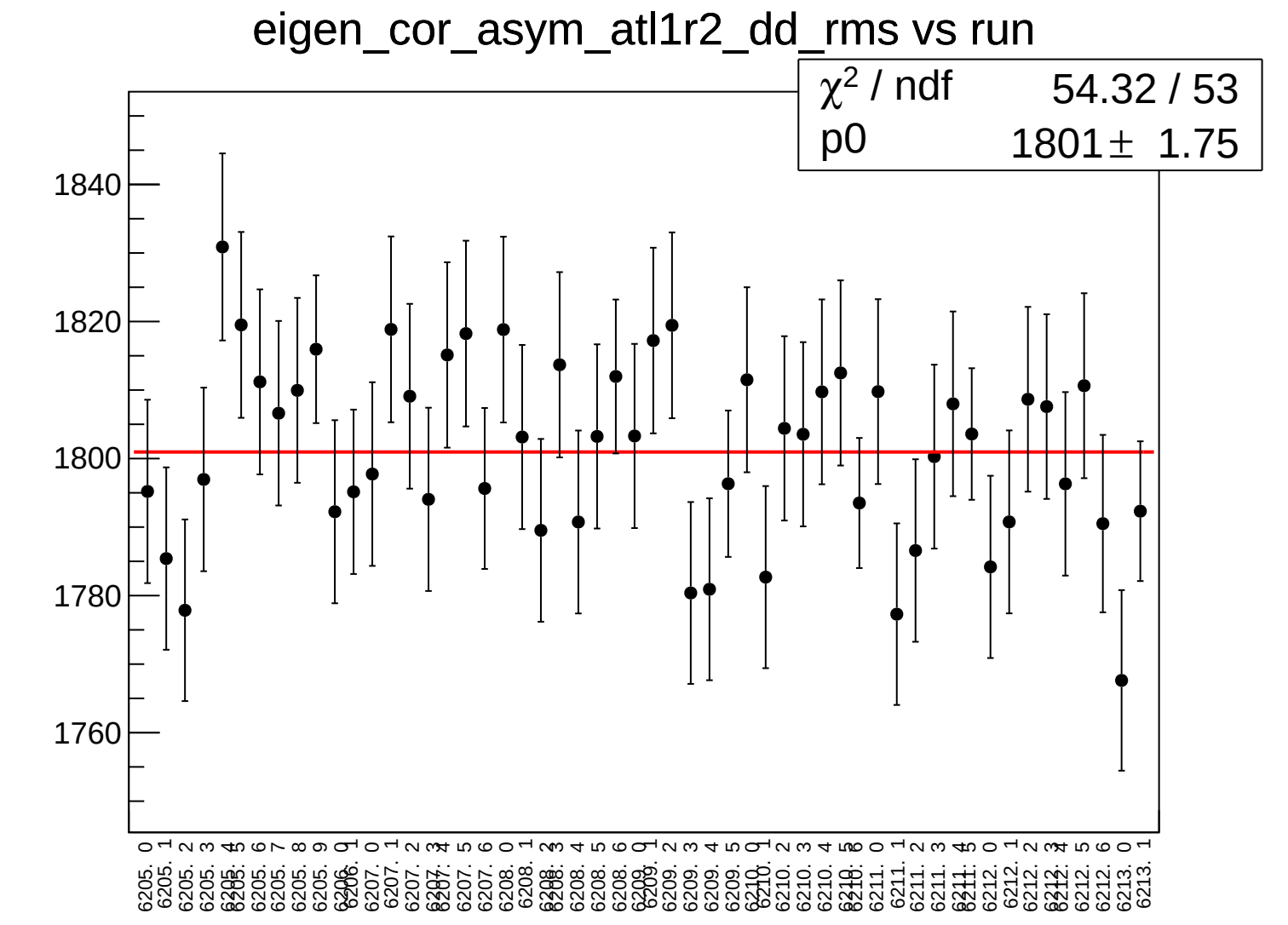

asym_atl1r2_dd_cor_correction_mean vs run
×10^3
χ² / ndf 42.42 / 53
p0 −4321 ± 7785
150
100
50
0
−50
−100
−150
−200
pull
Entries 54
Mean −71.92
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

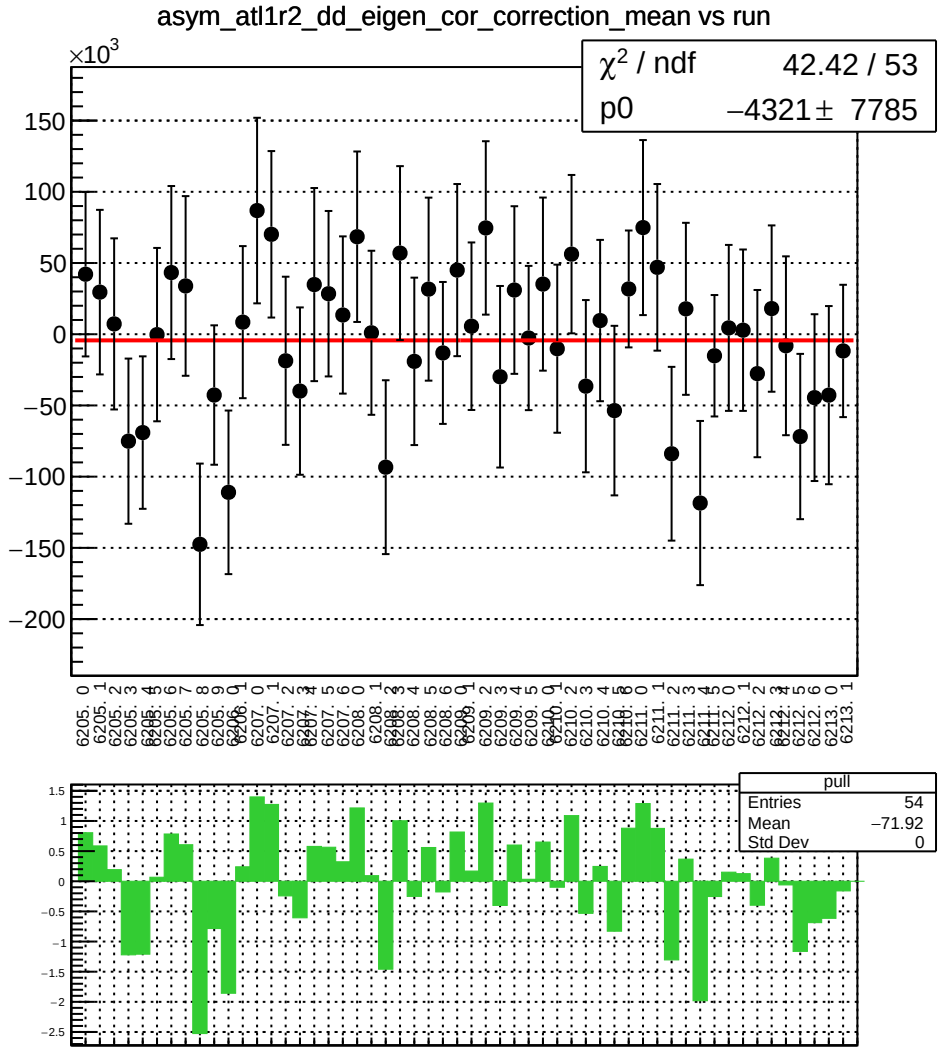

pull1D
Entries 54
Mean 0.008324
Std Dev 0.8863
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

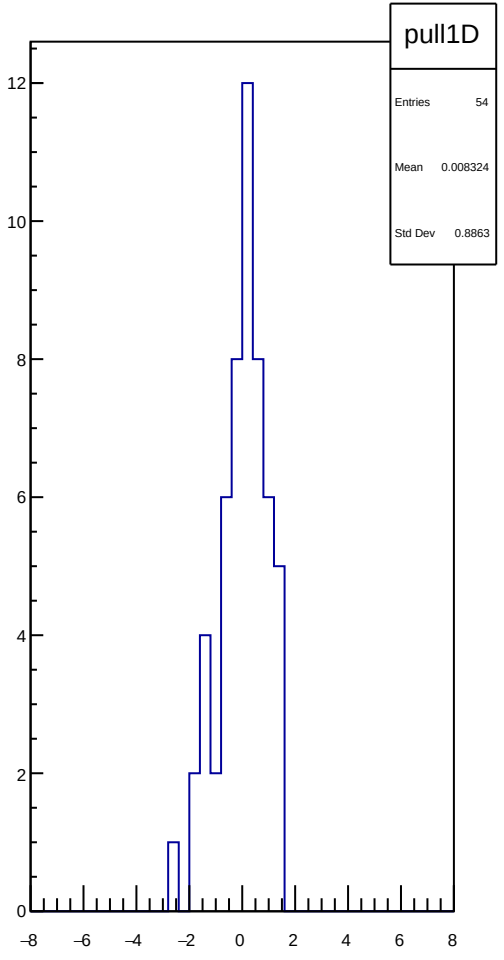

asym_atl1r2_dd_cor_correction_rms vs run
χ² / ndf 1704 / 53
p0 5662 ± 5.505
6600
6400
6200
6000
5800
5600
5400
5200
5000
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

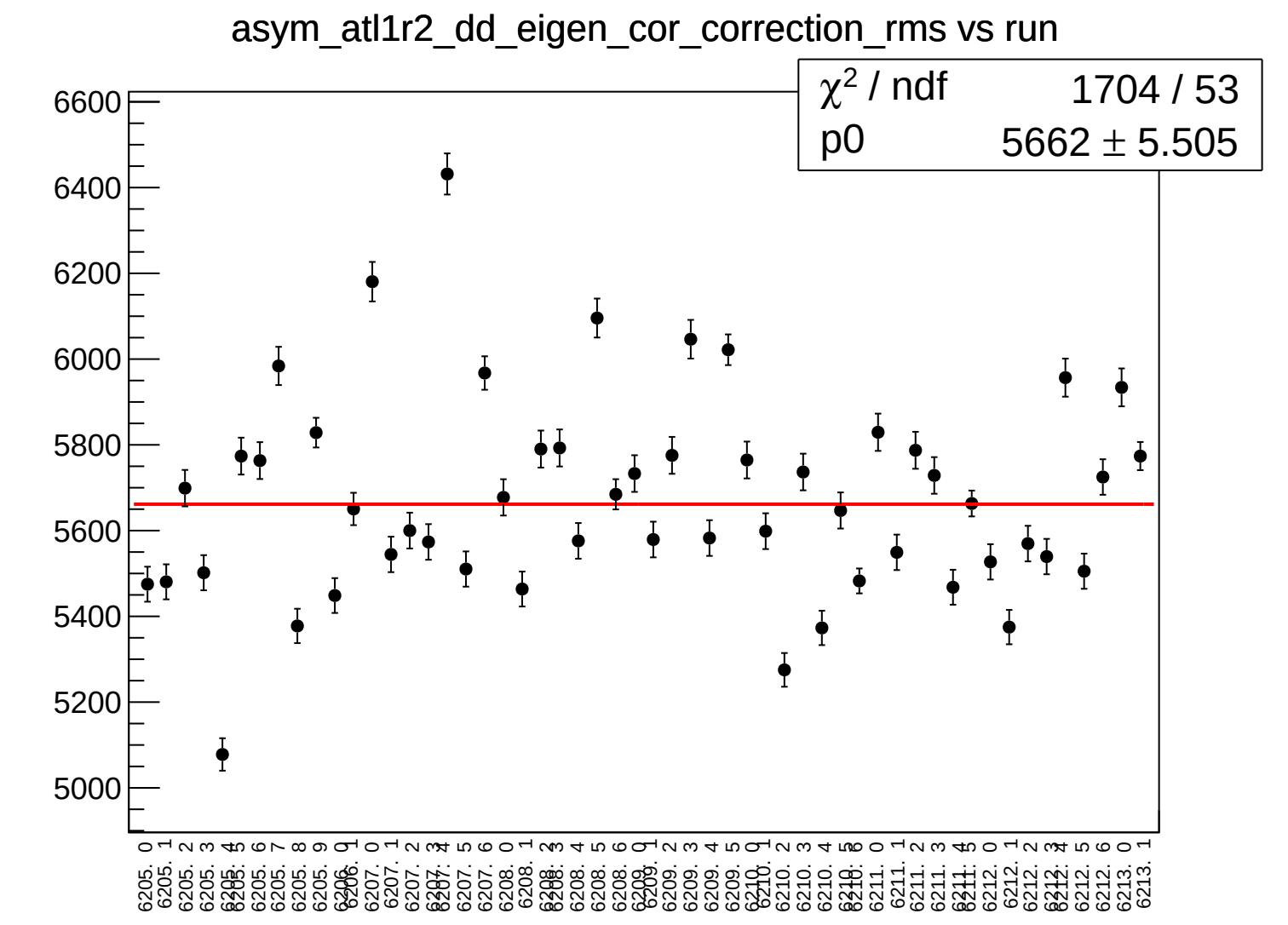

eigen_cor_asym_atl1r2_dd_mean vs run
χ² / ndf 50.87 / 53
p0 1981 ± 2474
pull
Entries 54
Mean −20.03
Std Dev 0

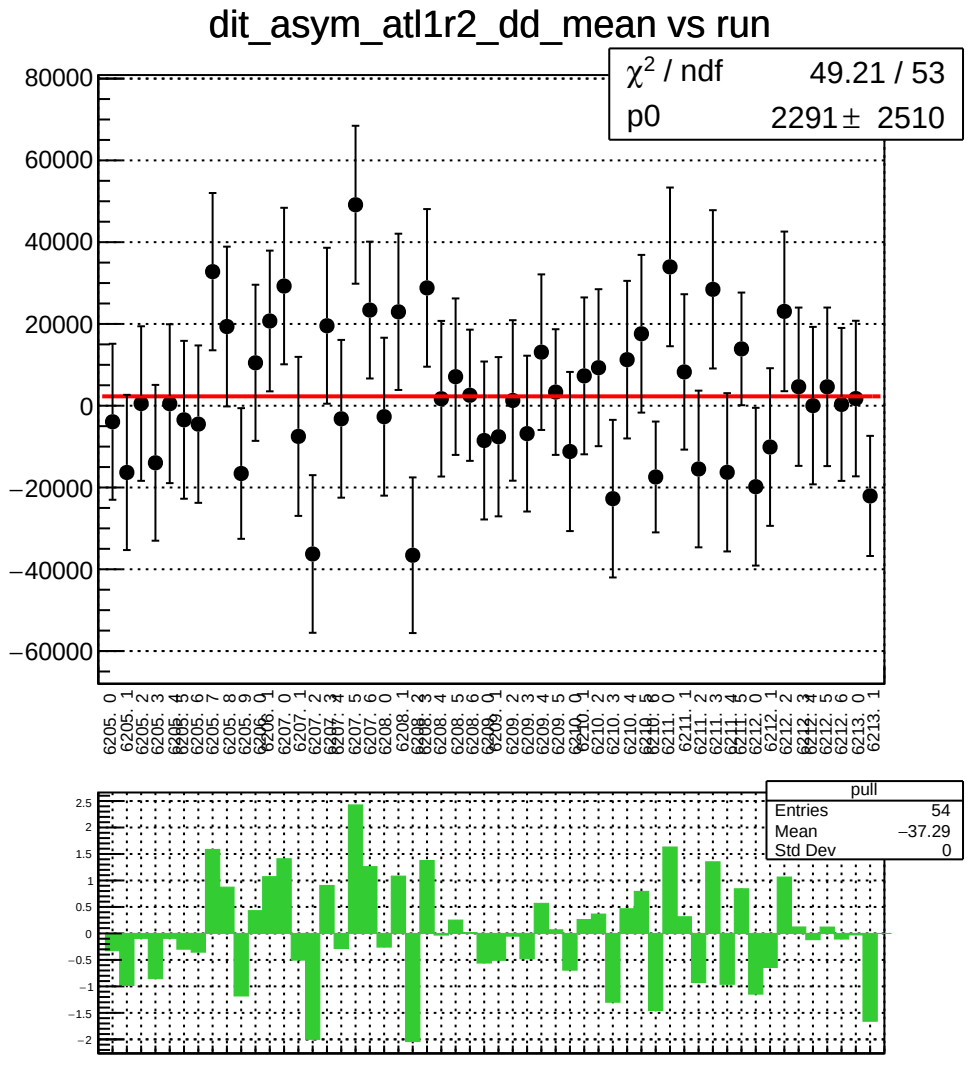

pull1D
Entries 54
Mean 0.01688
Std Dev 0.9705

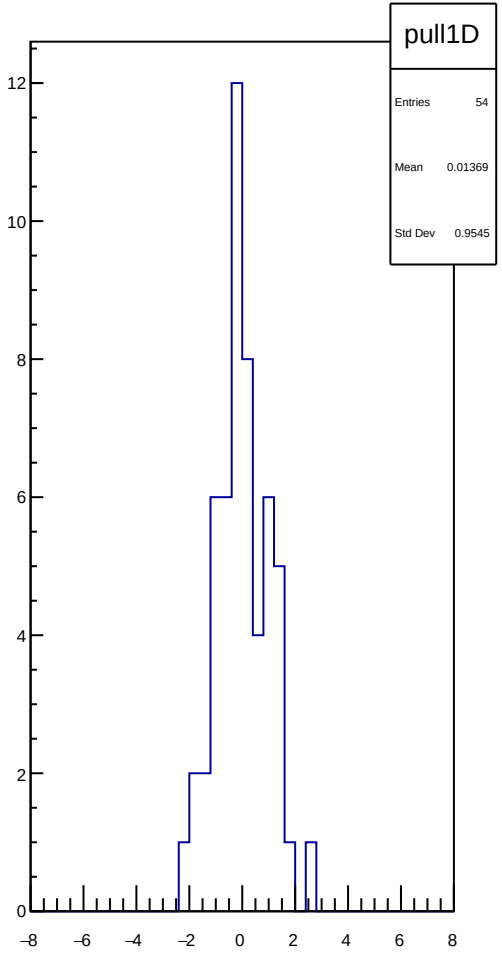

eigen_cor_asym_atl1r2_dd_rms vs run
χ² / ndf 54.32 / 53
p0 1801 ± 1.75
1840
1820
1800
1780
1760
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

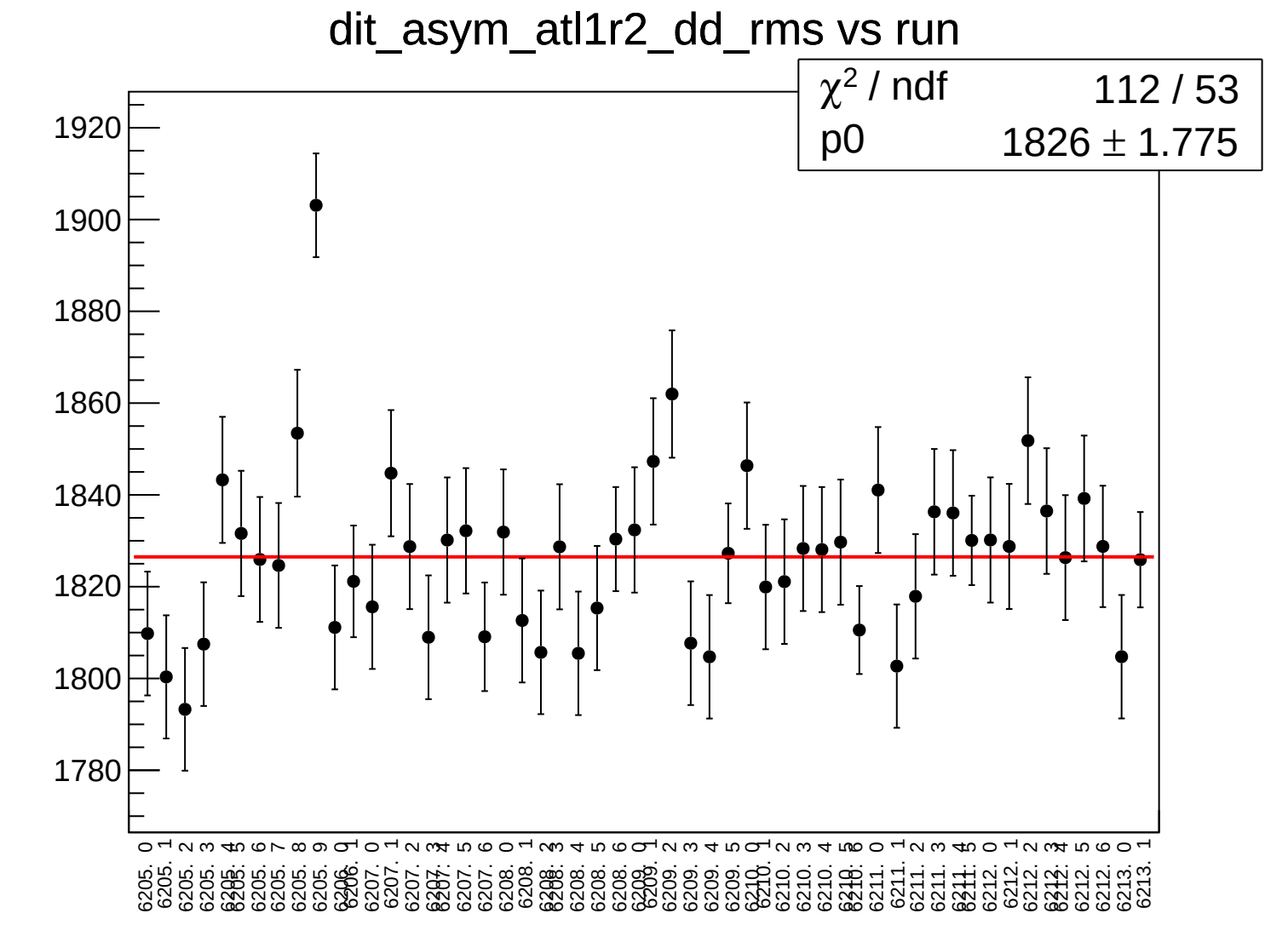

asym_atl1r2_dd_eigen_cor_correction_mean vs run
χ² / ndf 42.42 / 53
p0 −4321 ± 7785
pull
Entries 54
Mean −71.92
Std Dev 0

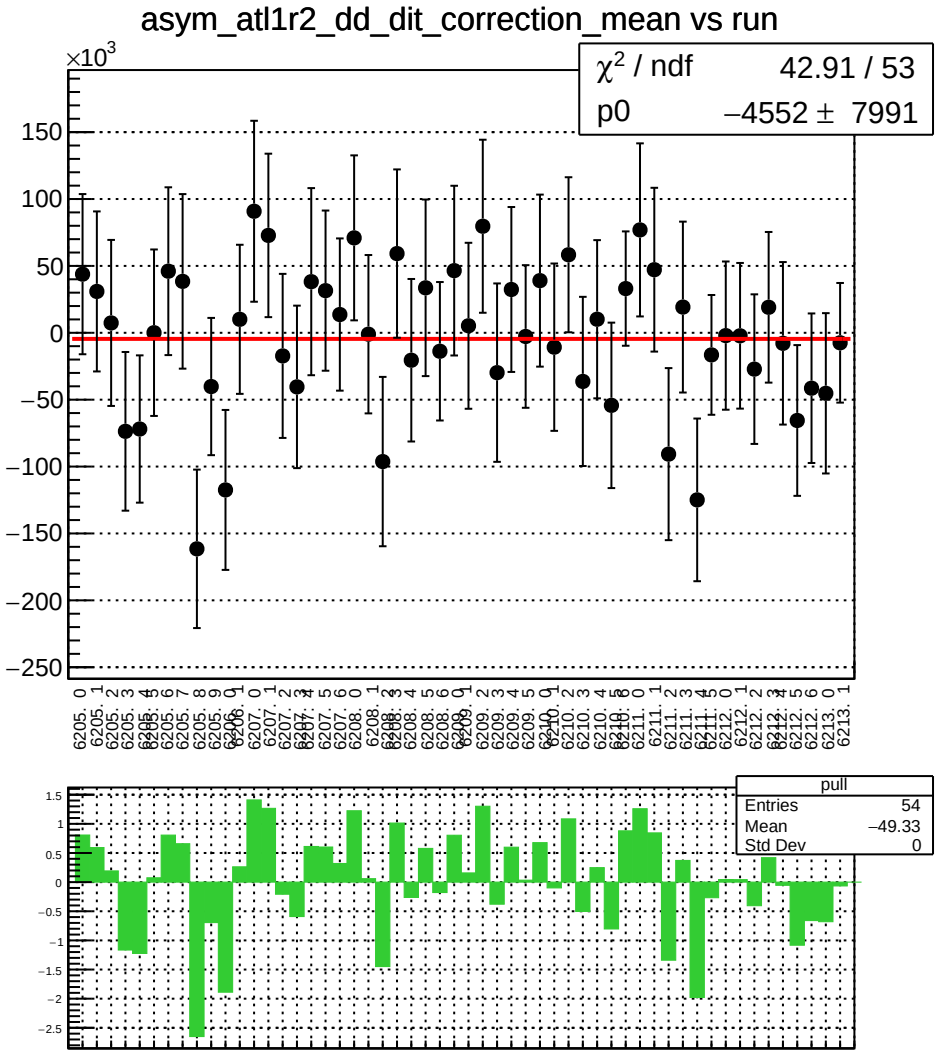

pull1D
Entries 54
Mean 0.008324
Std Dev 0.8863

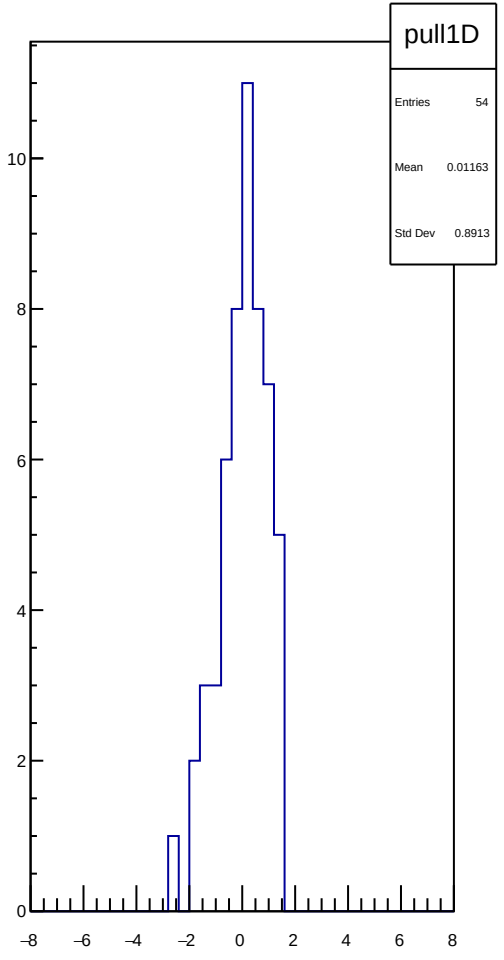

asym_atl1r2_dd_eigen_cor_correction_rms vs run
χ² / ndf 1704 / 53
p0 5662 ± 5.505
6600
6400
6200
6000
5800
5600
5400
5200
5000
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

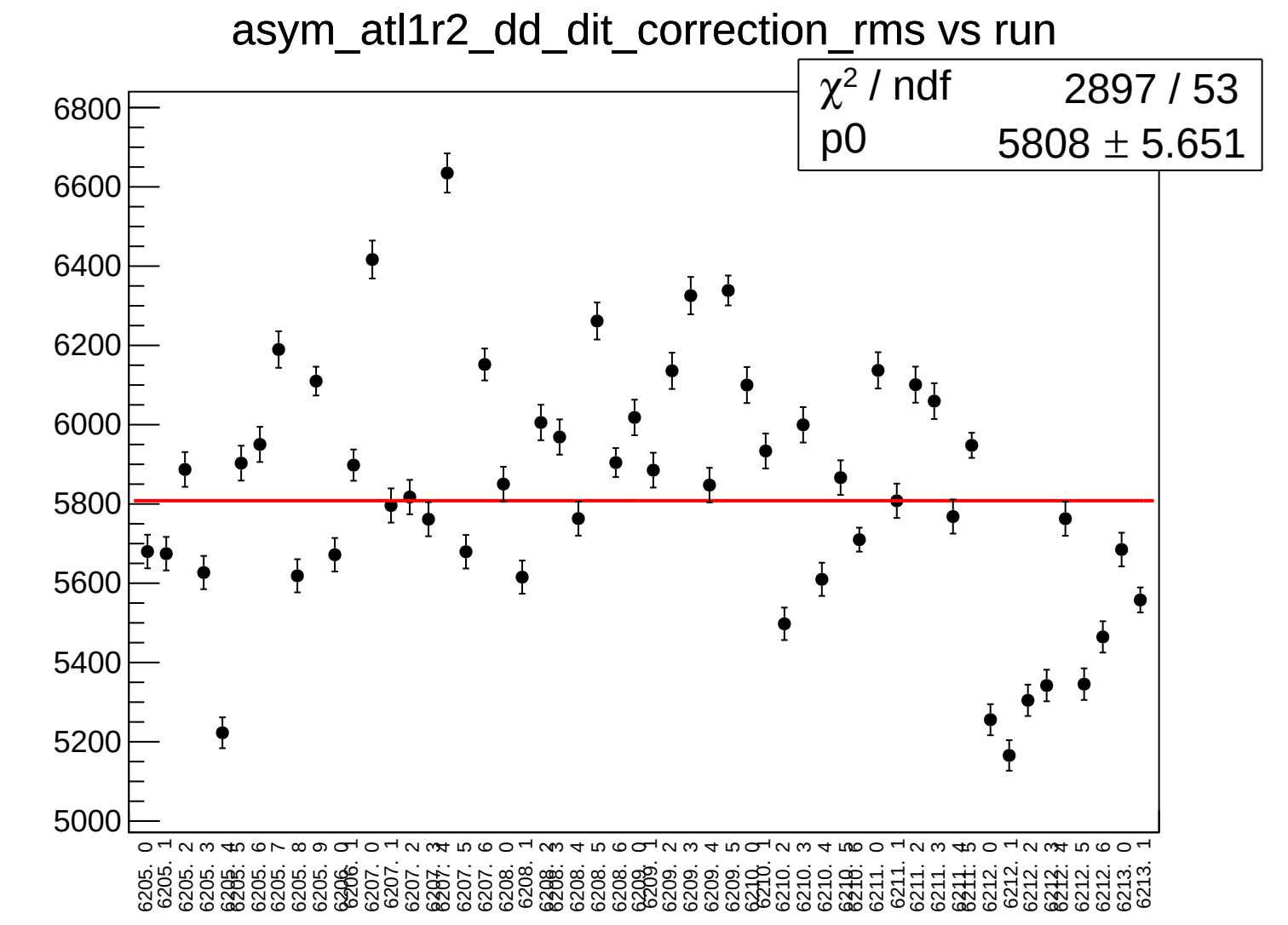

dit_asym_atl1r2_dd_mean vs run
χ² / ndf 49.21 / 53
p0 2291 ± 2510
pull
Entries 54
Mean −37.29
Std Dev 0

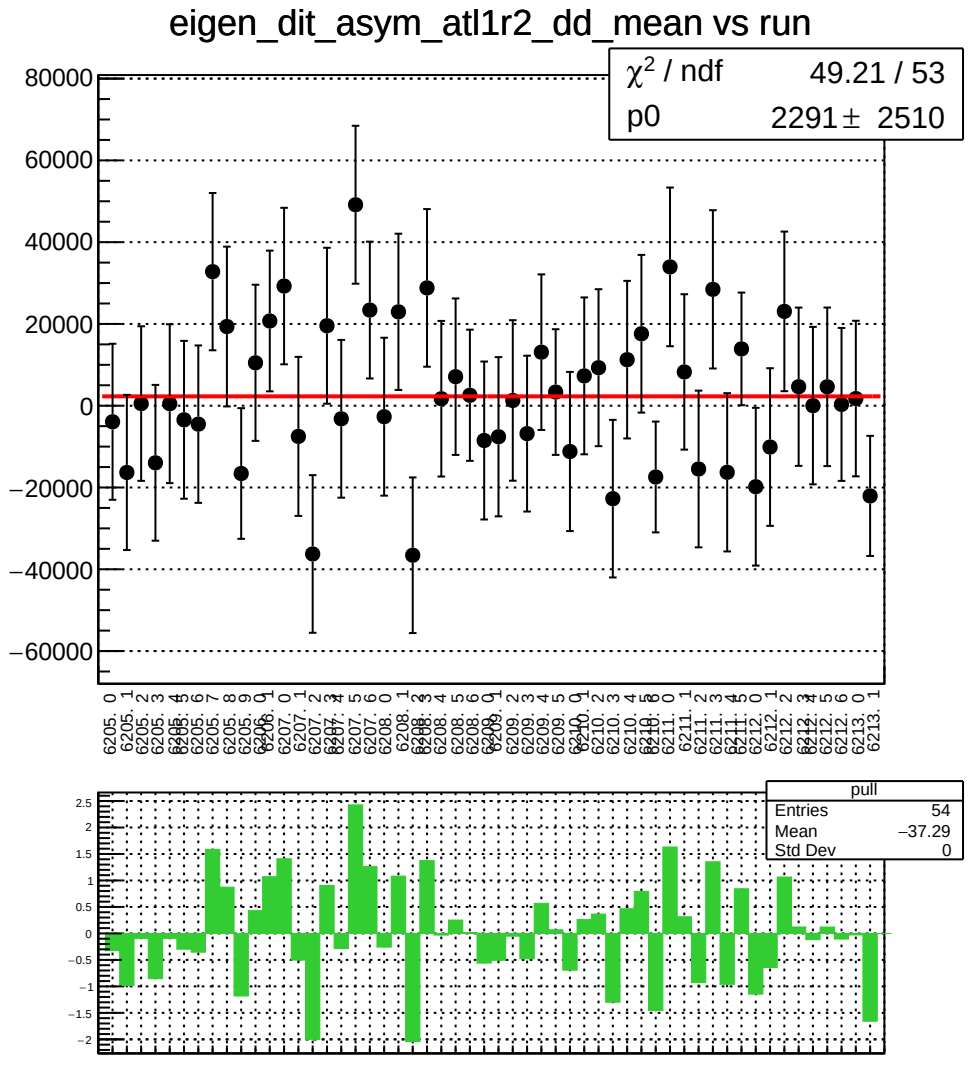

pull1D
Entries 54
Mean 0.01369
Std Dev 0.9545

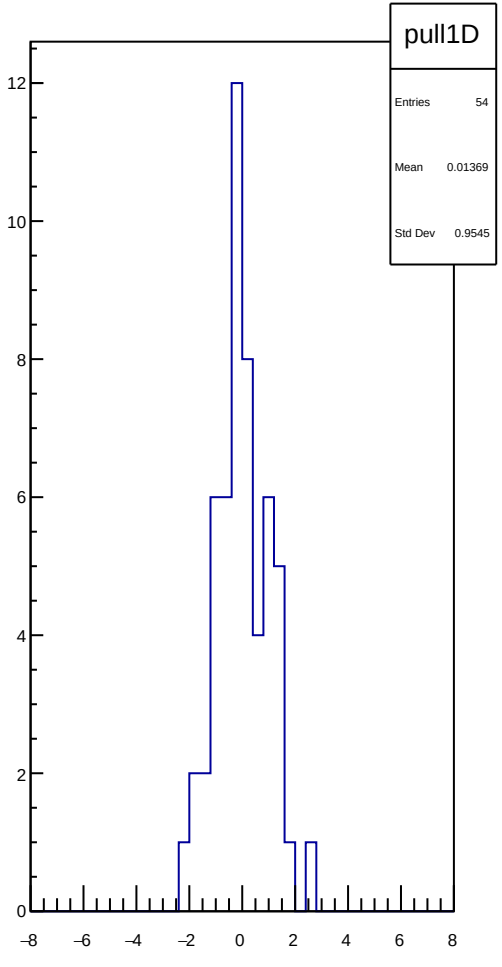

dit_asym_atl1r2_dd_rms vs run
χ² / ndf 112 / 53
p0 1826 ± 1.775
1920
1900
1880
1860
1840
1820
1800
1780
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

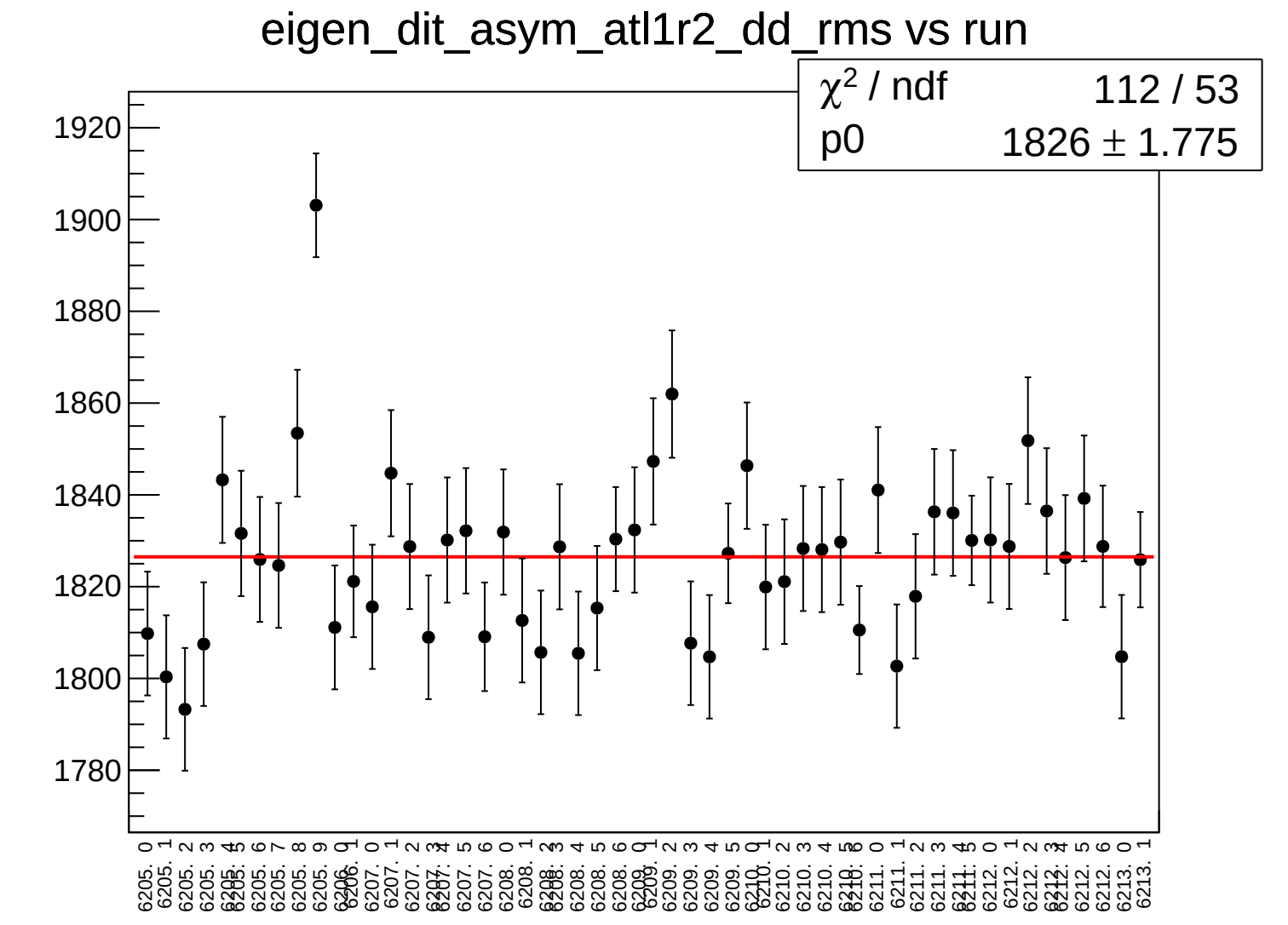

asym_atl1r2_dd_dit_correction_mean vs run
×10^3
χ² / ndf 42.91 / 53
p0 −4552 ± 7991
150
100
50
0
−50
−100
−150
−200
−250
pull
Entries 54
Mean −49.33
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

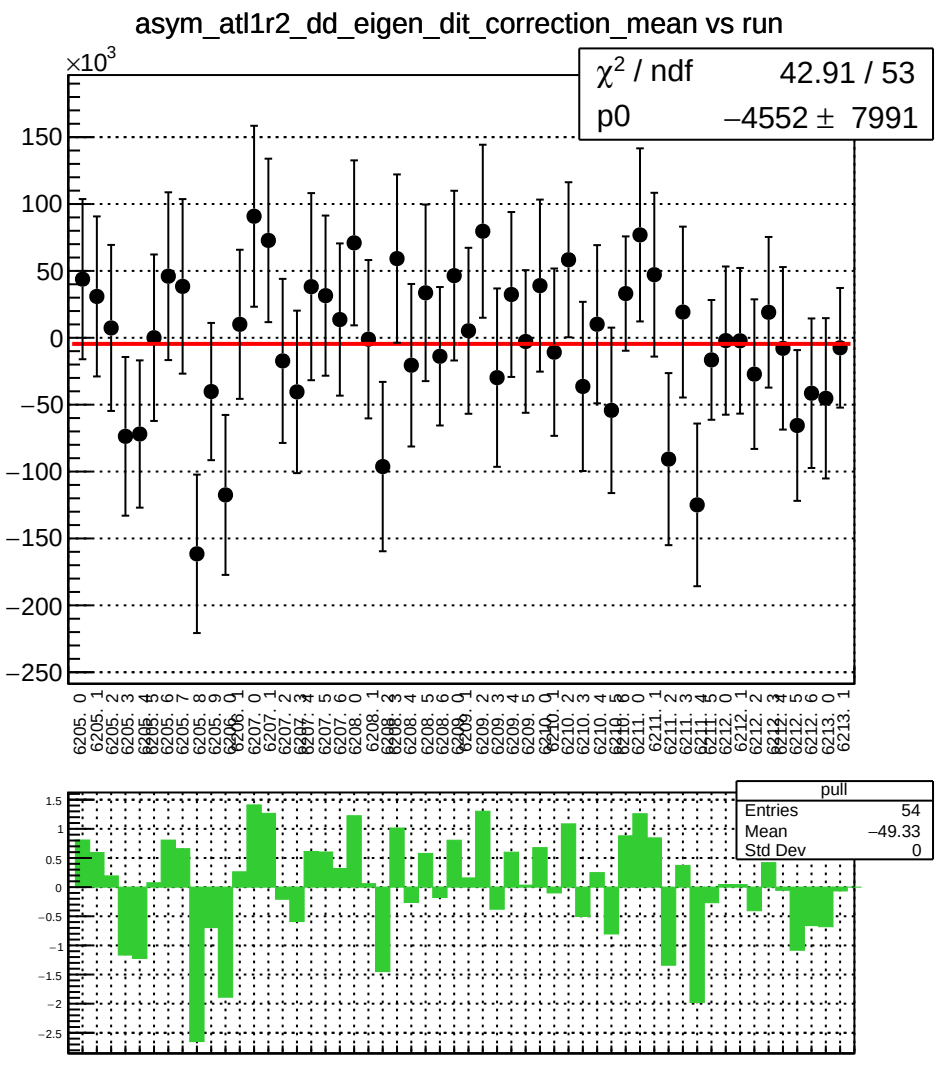

pull1D
Entries 54
Mean 0.01163
Std Dev 0.8913
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

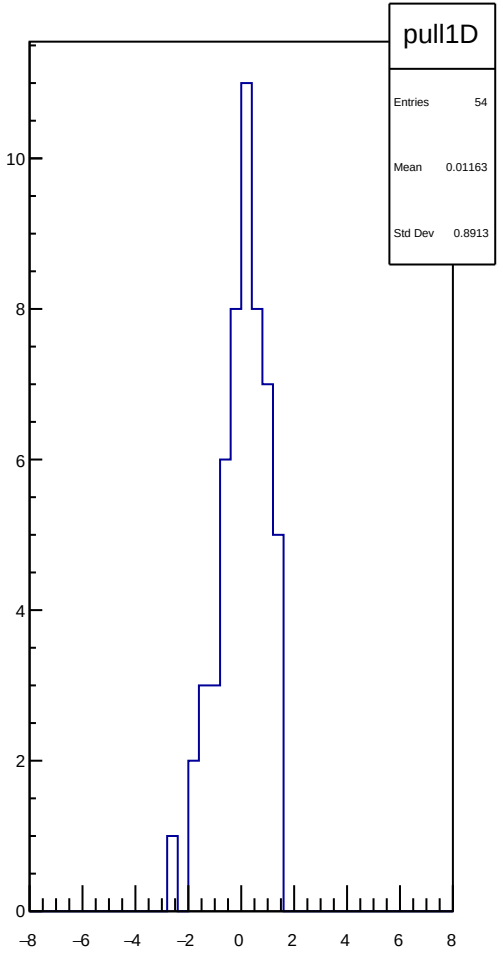

asym_atl1r2_dd_dit_correction_rms vs run
χ² / ndf 2897 / 53
p0 5808 ± 5.651
6800
6600
6400
6200
6000
5800
5600
5400
5200
5000

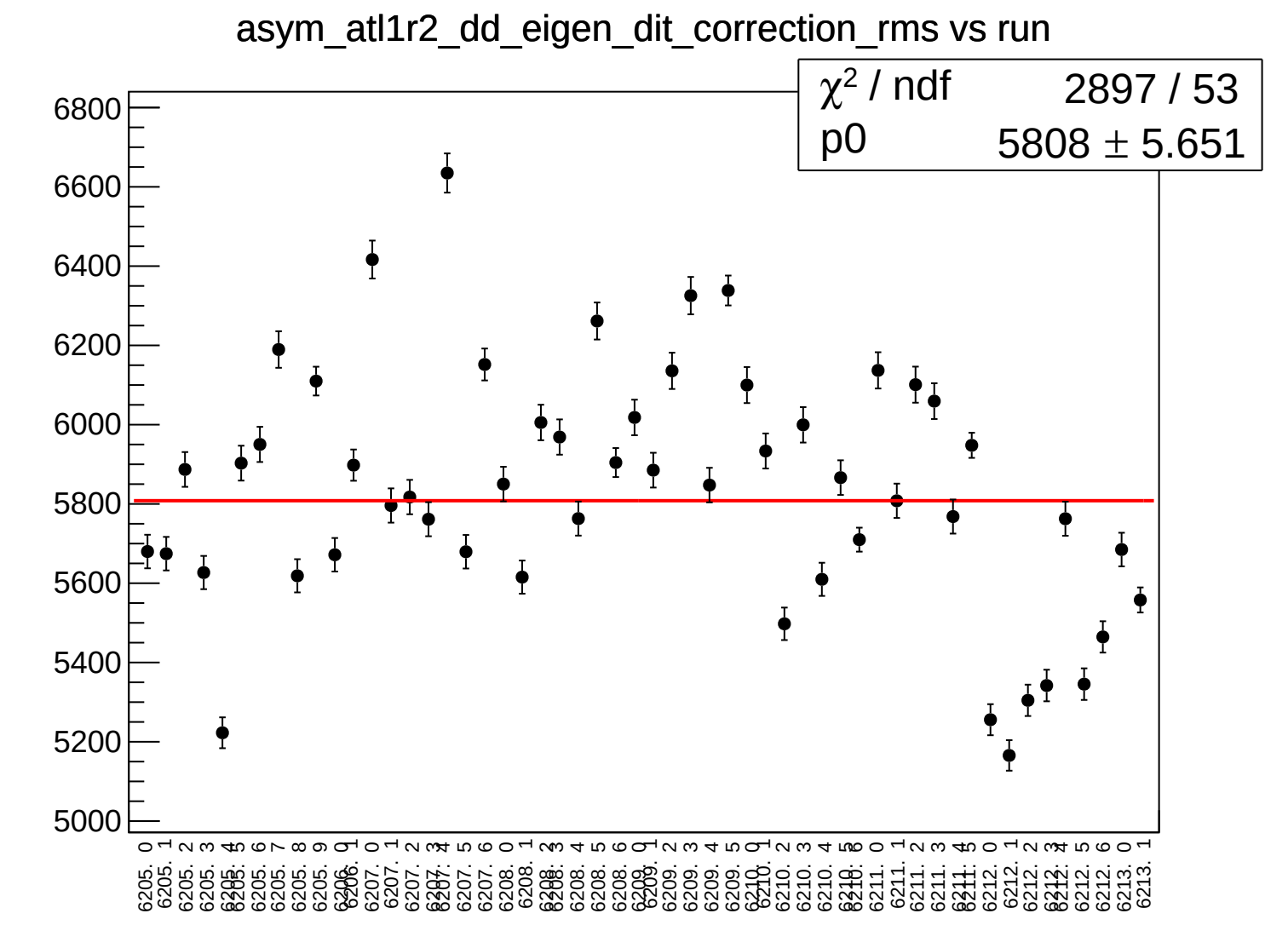

eigen_dit_asym_atl1r2_dd_mean vs run
χ² / ndf 49.21 / 53
p0 2291 ± 2510
pull
Entries 54
Mean −37.29
Std Dev 0

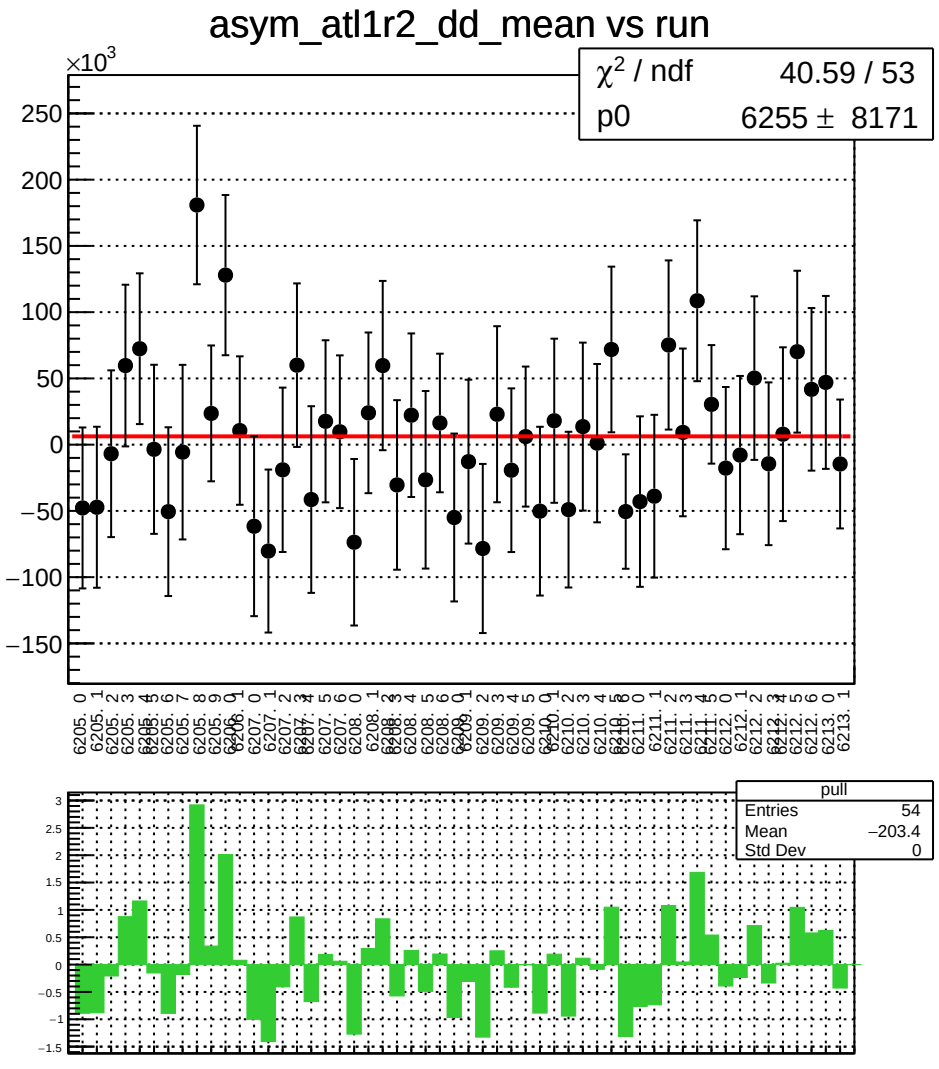

pull1D
Entries 54
Mean 0.01369
Std Dev 0.9545

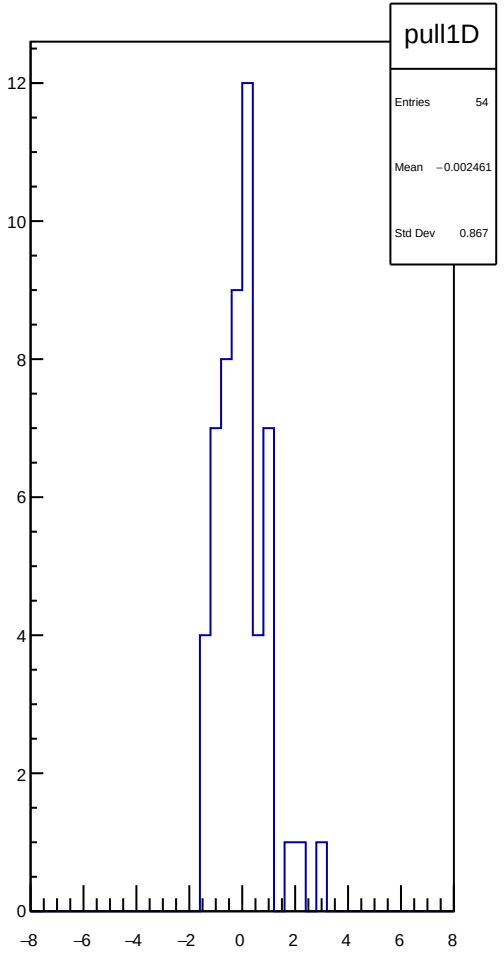

eigen_dit_asym_atl1r2_dd_rms vs run
χ^2 / ndf 112 / 53
p0 1826 ± 1.775
1920
1900
1880
1860
1840
1820
1800
1780
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

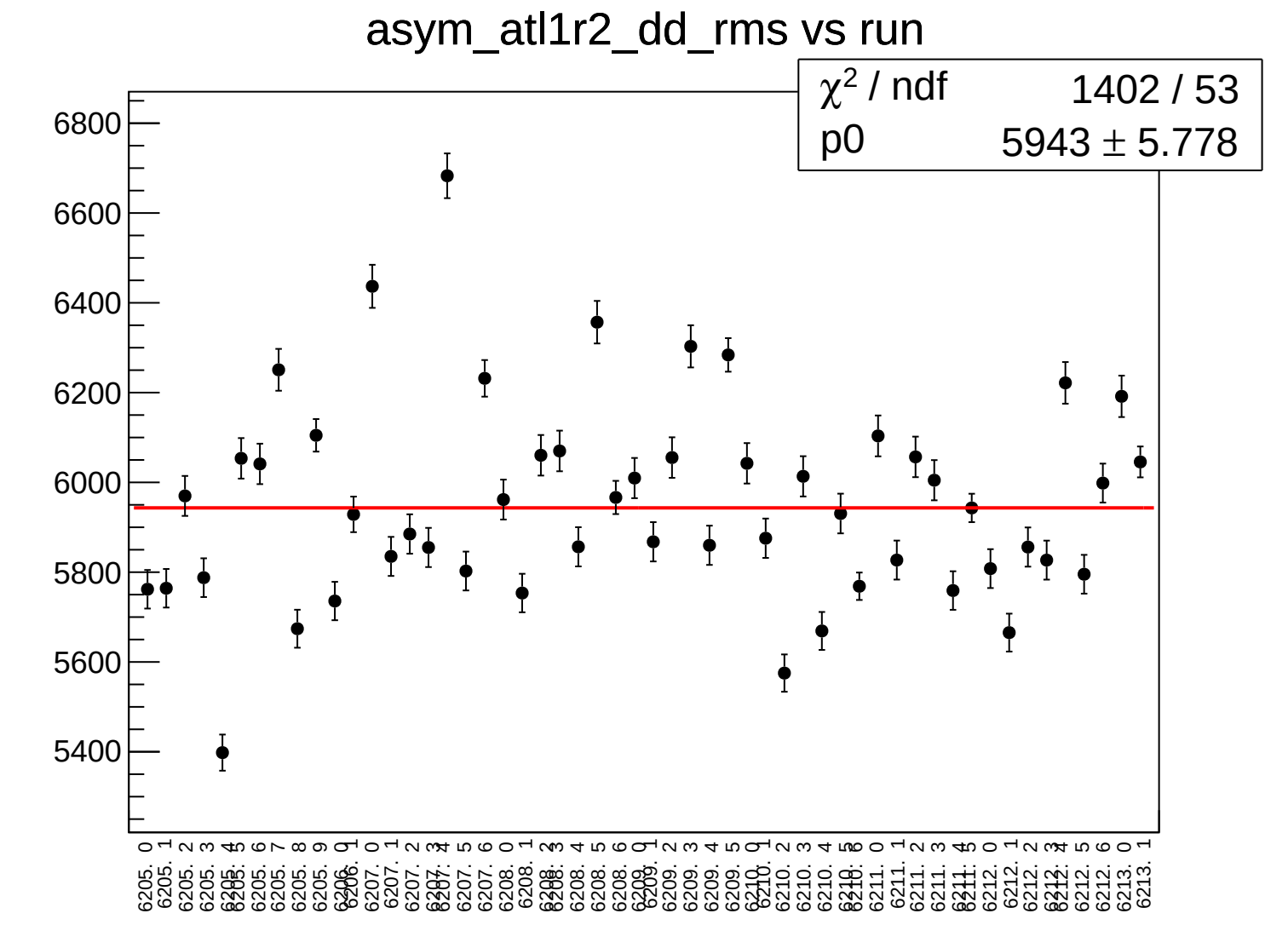

asym_atl1r2_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 42.91 / 53
p0 −4552 ± 7991
150
100
50
0
−50
−100
−150
−200
−250
pull
Entries 54
Mean −49.33
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

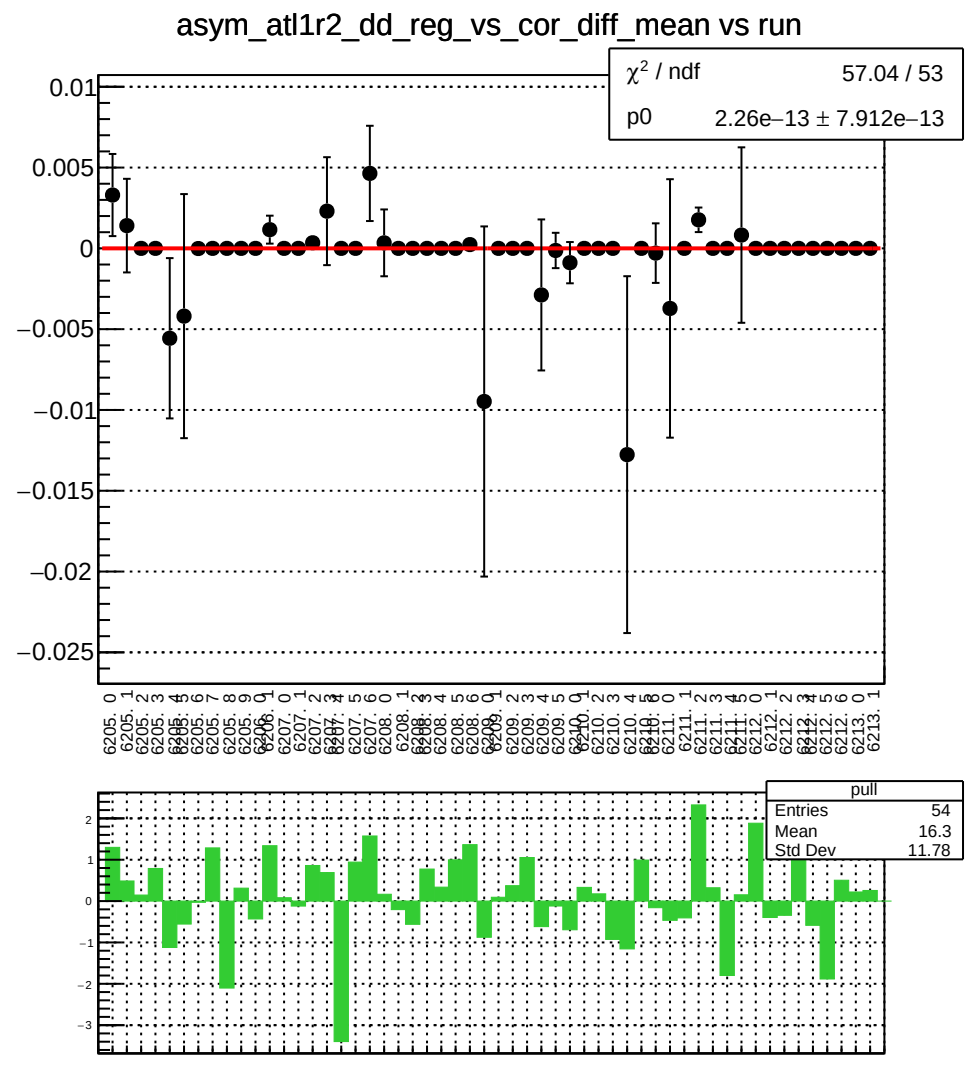

pull1D
Entries 54
Mean 0.01163
Std Dev 0.8913
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

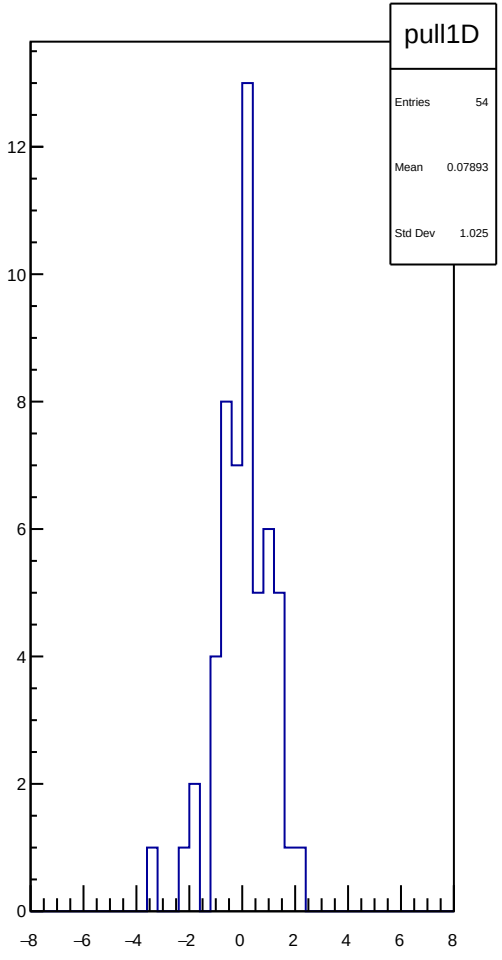

asym_atl1r2_dd_eigen_dit_correction_rms vs run
χ² / ndf 2897 / 53
p0 5808 ± 5.651
6800
6600
6400
6200
6000
5800
5600
5400
5200
5000
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

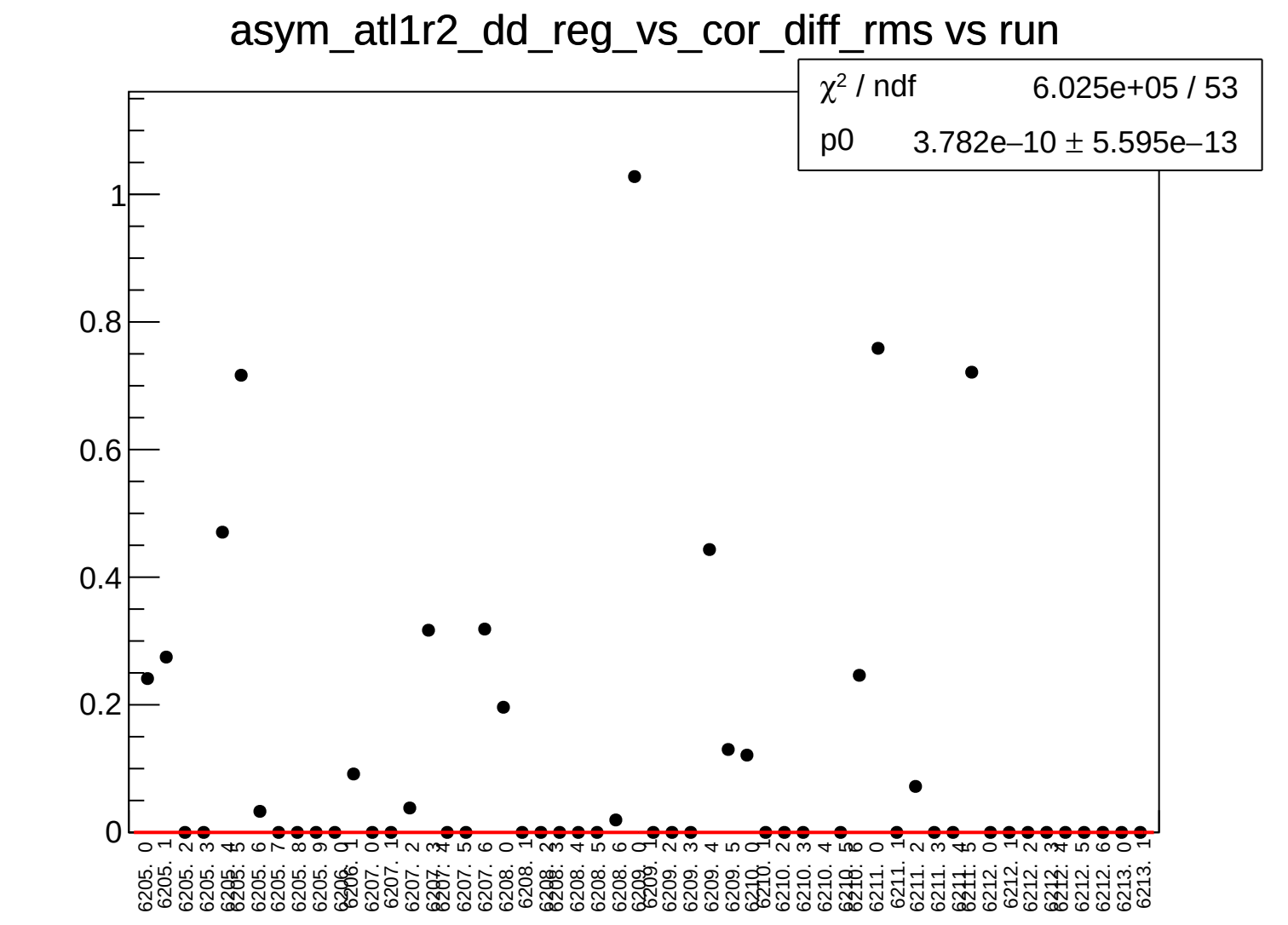

asym_atl1r2_dd_mean vs run
×10^3
χ² / ndf 40.59 / 53
p0 6255 ± 8171
pull
Entries 54
Mean −203.4
Std Dev 0

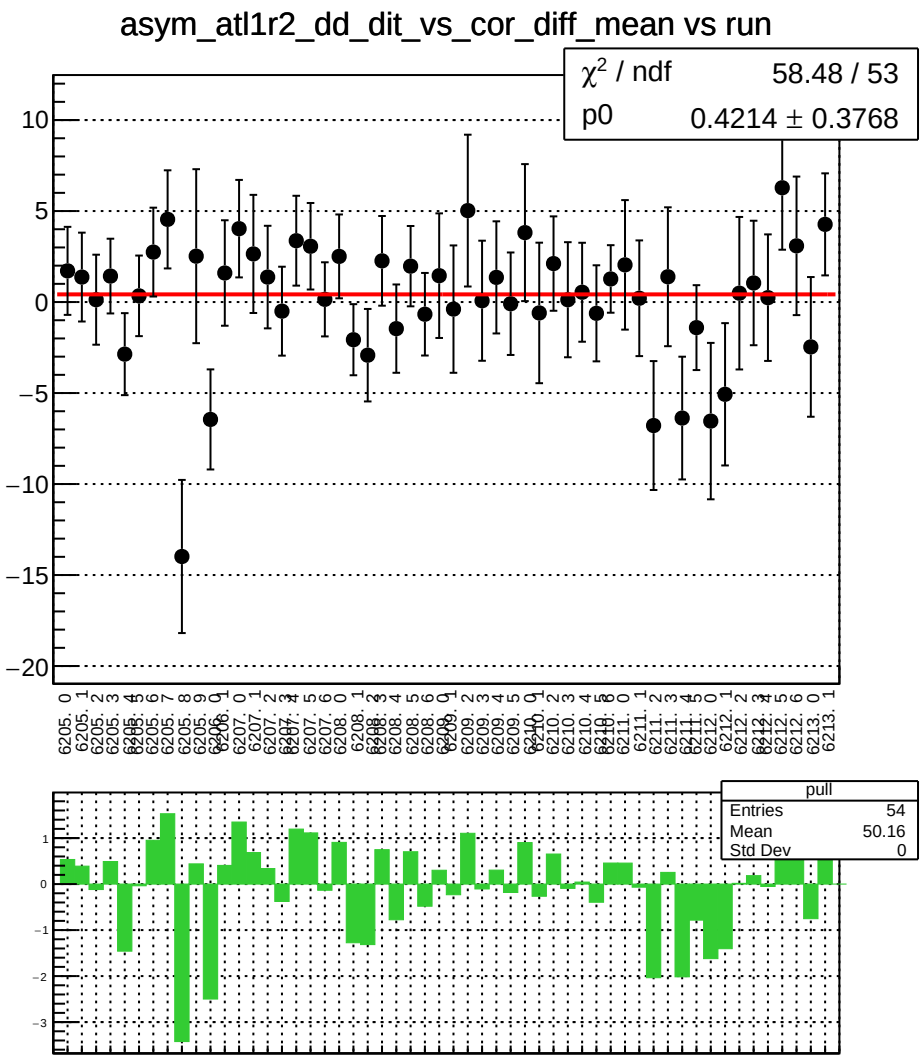

pull1D
Entries 54
Mean −0.002461
Std Dev 0.867

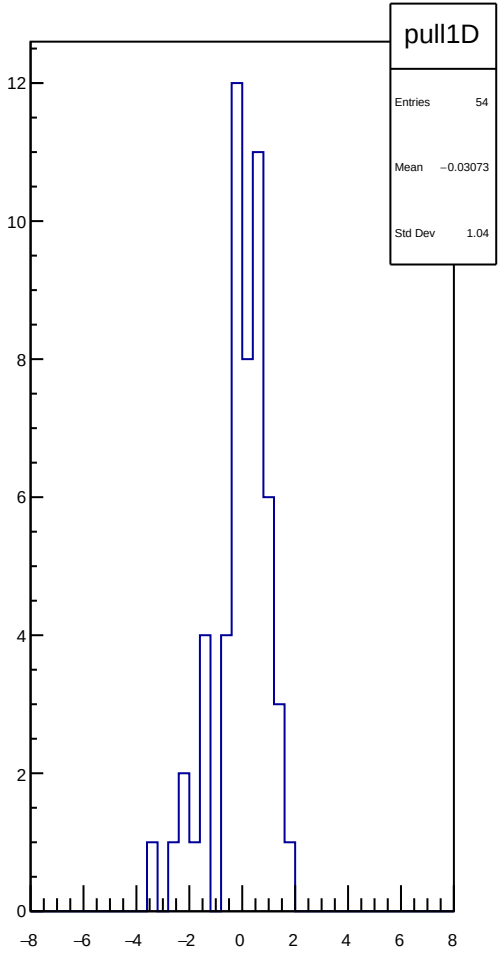

asym_atl1r2_dd_rms vs run
χ² / ndf 1402 / 53
p0 5943 ± 5.778
6800
6600
6400
6200
6000
5800
5600
5400
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

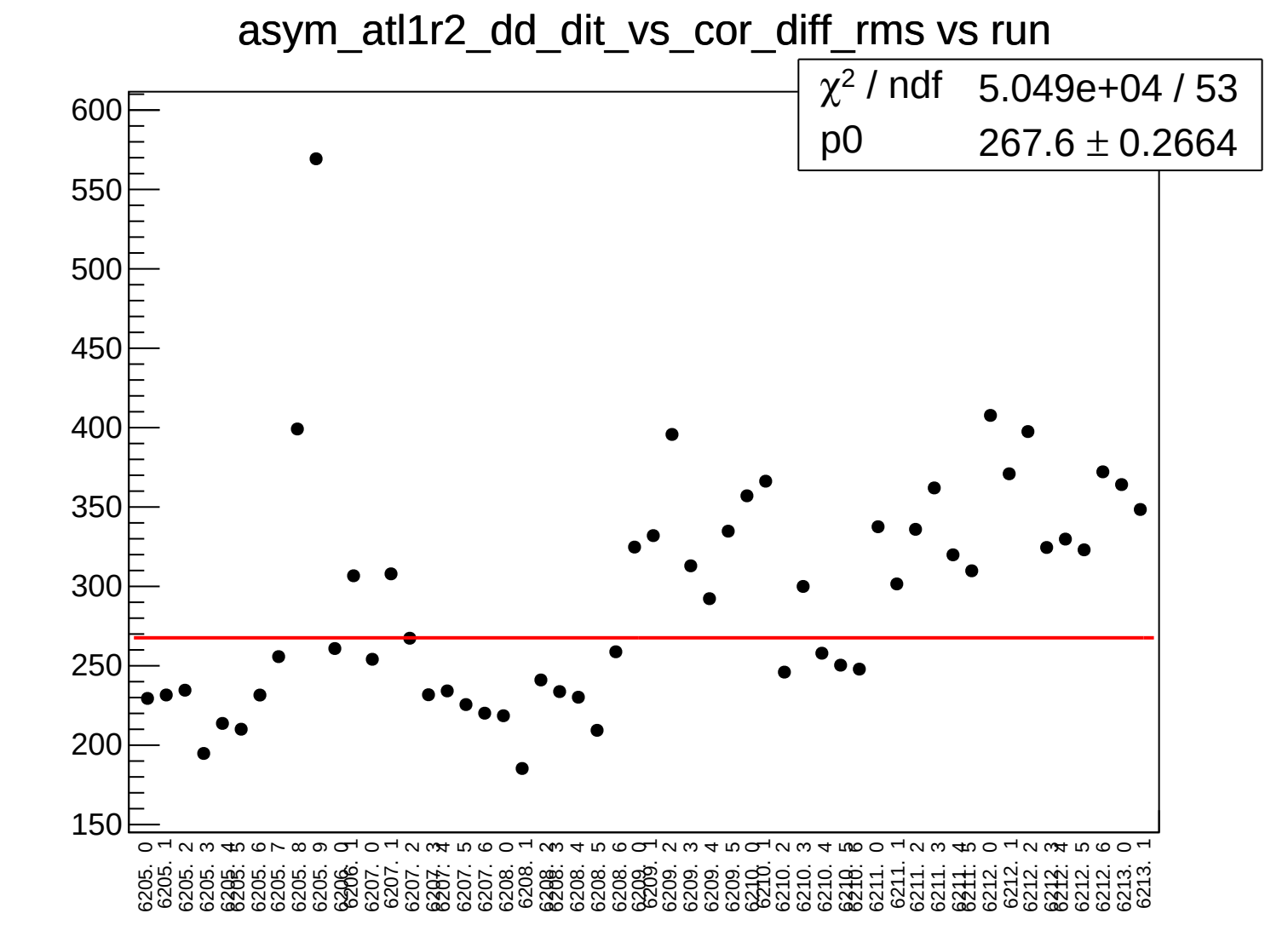

asym_atl1r2_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 57.04 / 53
p0 2.26e−13 ± 7.912e−13
0.01
0.005
0
−0.005
−0.01
−0.015
−0.02
−0.025
pull
Entries 54
Mean 16.3
Std Dev 11.78
2
1
0
−1
−2
−3

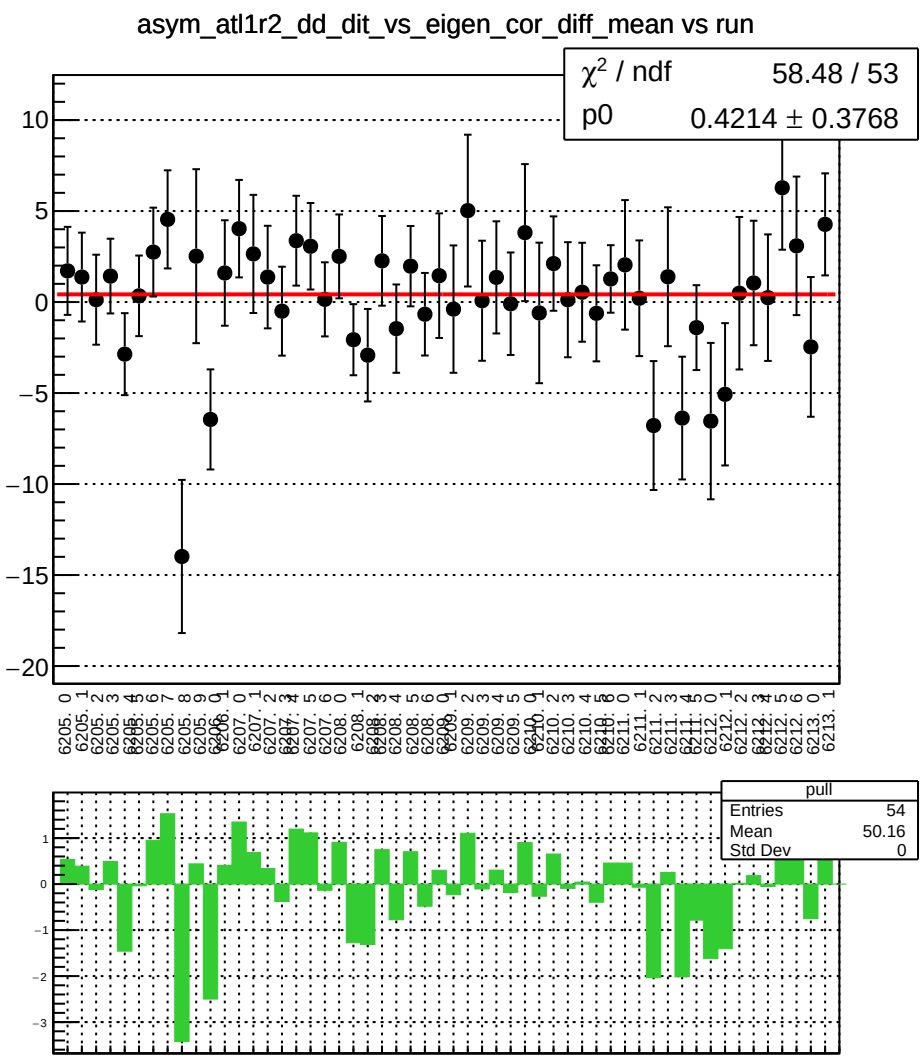

pull1D
Entries 54
Mean 0.07893
Std Dev 1.025
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

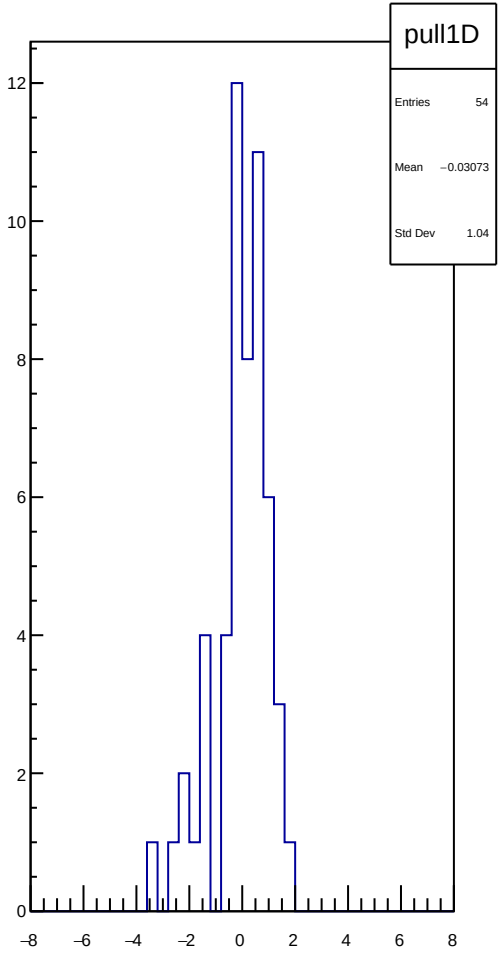

asym_atl1r2_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.025e+05 / 53
p0 3.782e−10 ± 5.595e−13
1
0.8
0.6
0.4
0.2
0

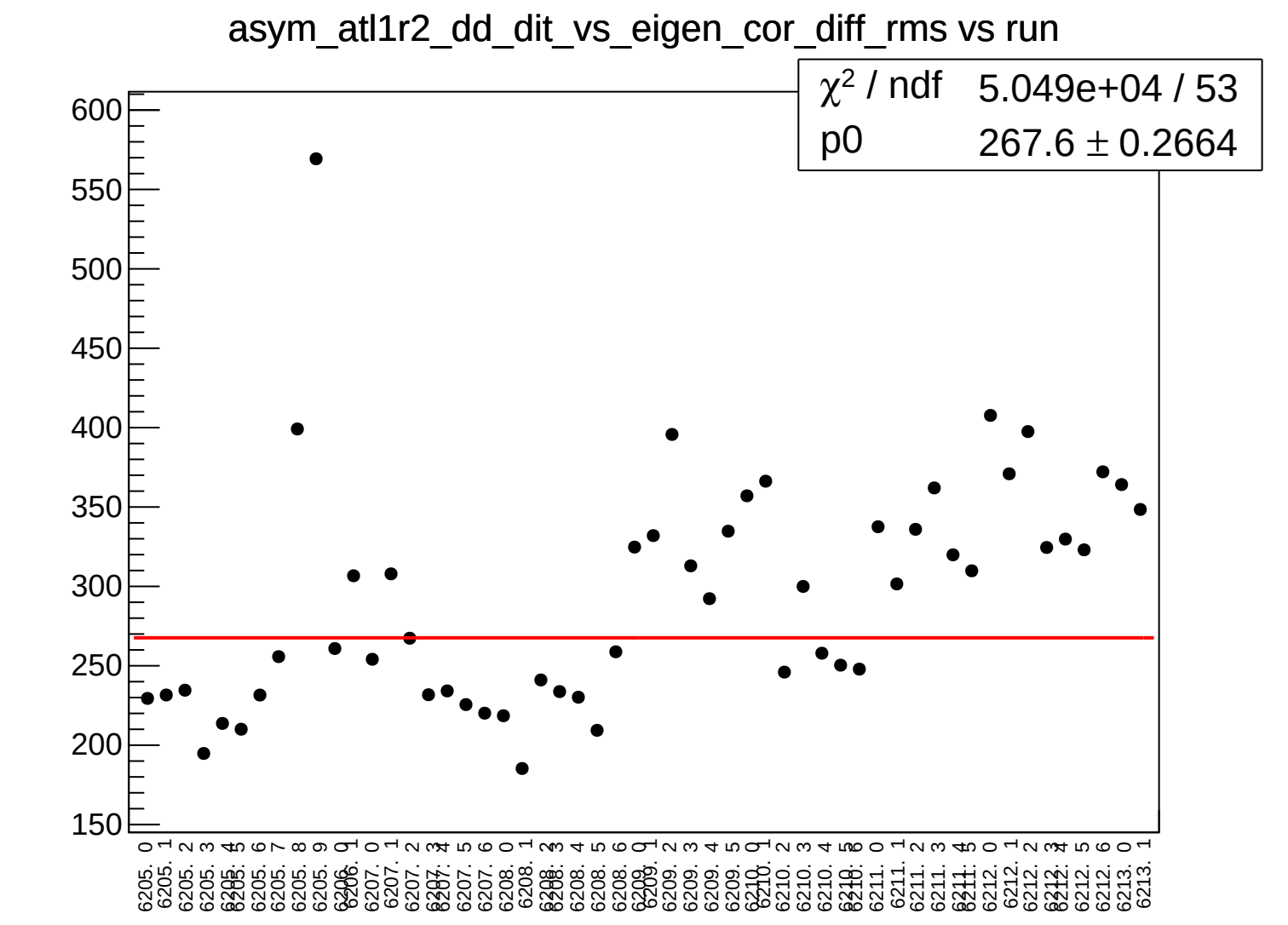

asym_atl1r2_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 58.48 / 53
p0 0.4214 ± 0.3768
pull
Entries 54
Mean 50.16
Std Dev 0

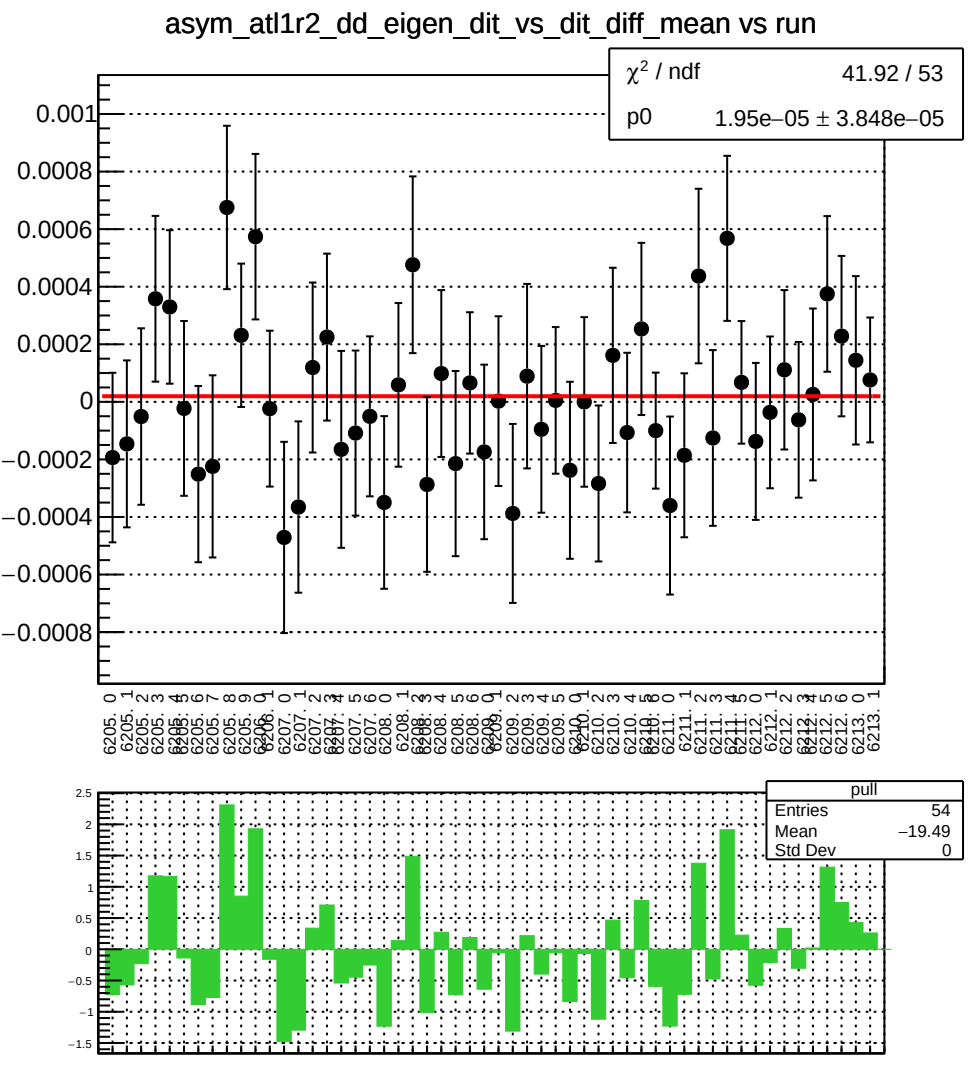

pull1D
Entries 54
Mean −0.03073
Std Dev 1.04

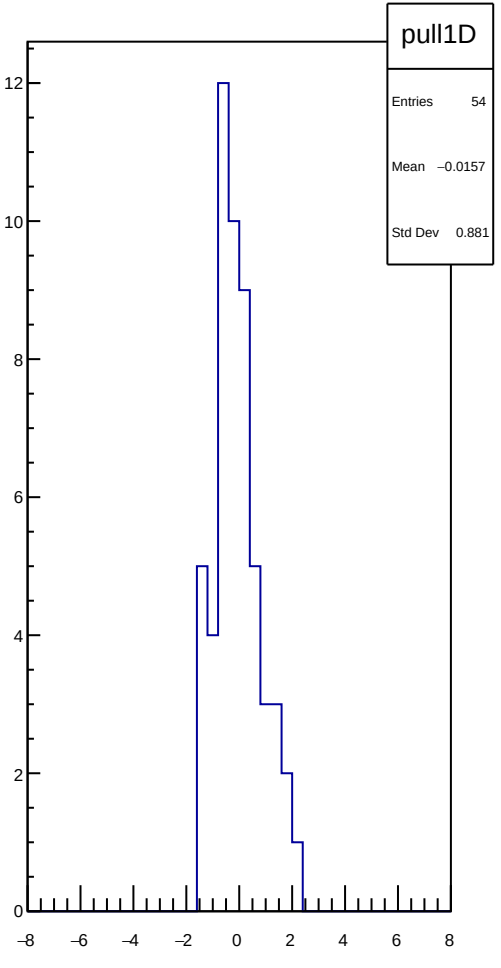

asym_atl1r2_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 5.049e+04 / 53
p0 267.6 ± 0.2664
600
550
500
450
400
350
300
250
200
150
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 1
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

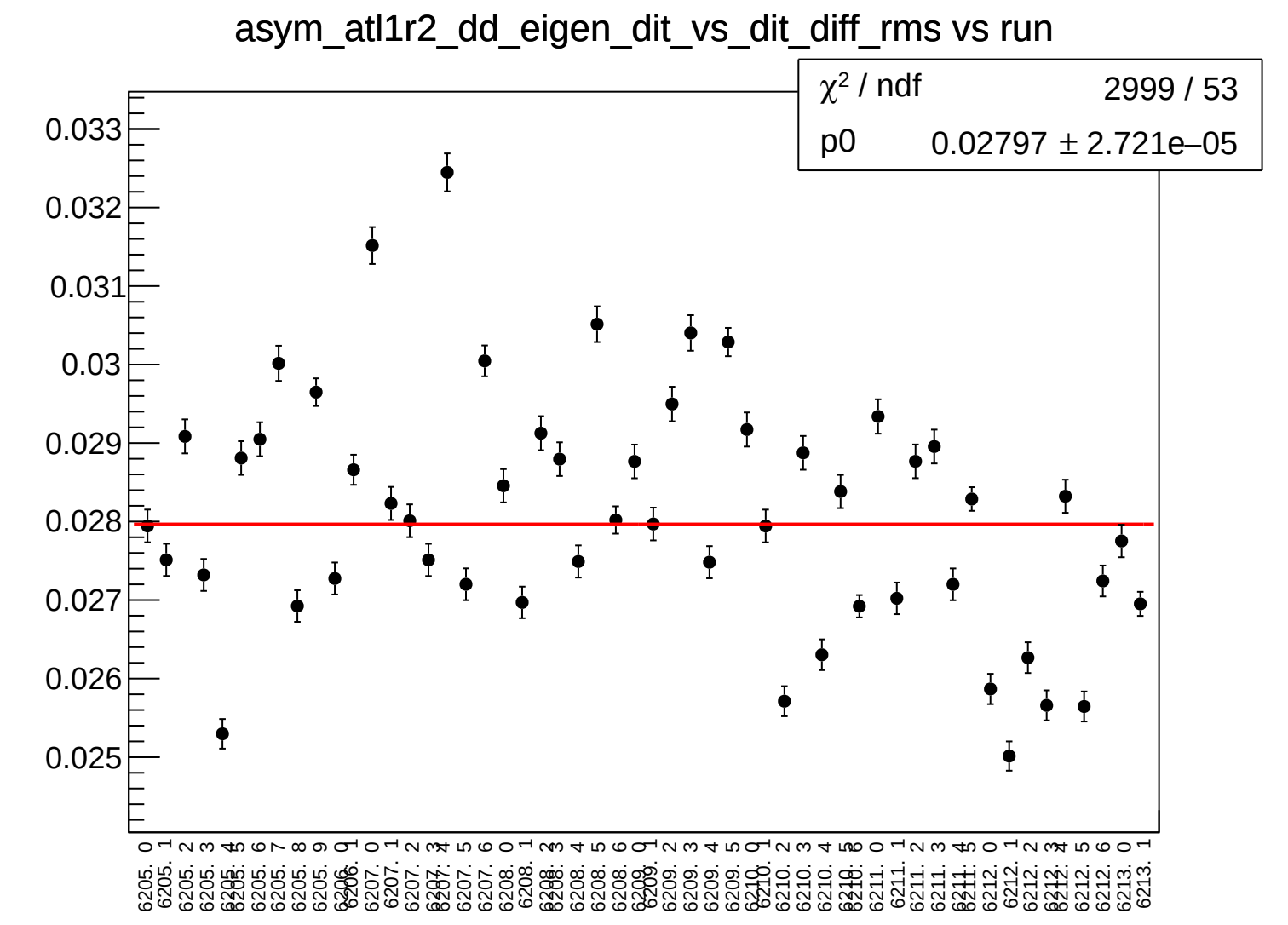

asym_atl1r2_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 58.48 / 53
p0 0.4214 ± 0.3768
pull
Entries 54
Mean 50.16
Std Dev 0


pull1D
Entries 54
Mean −0.03073
Std Dev 1.04


asym_atl1r2_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.049e+04 / 53
p0 267.6 ± 0.2664
600
550
500
450
400
350
300
250
200
150
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_atl1r2_dd_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 41.92 / 53
p0 1.95e−05 ± 3.848e−05
pull
Entries 54
Mean −19.49
Std Dev 0


pull1D
Entries 54
Mean −0.0157
Std Dev 0.881


asym_atl1r2_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2999 / 53
p0 0.02797 ± 2.721e–05
0.033
0.032
0.031
0.03
0.029
0.028
0.027
0.026
0.025
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
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6212. 4
6212. 5
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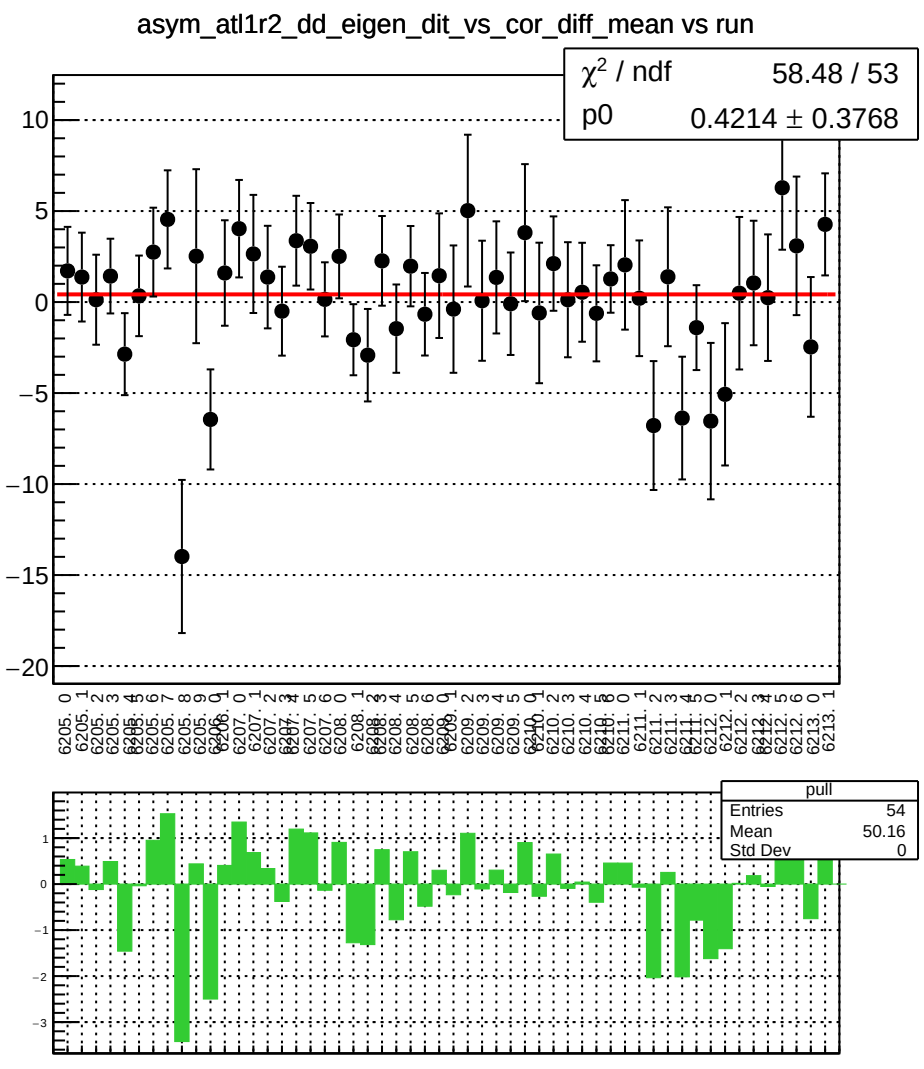
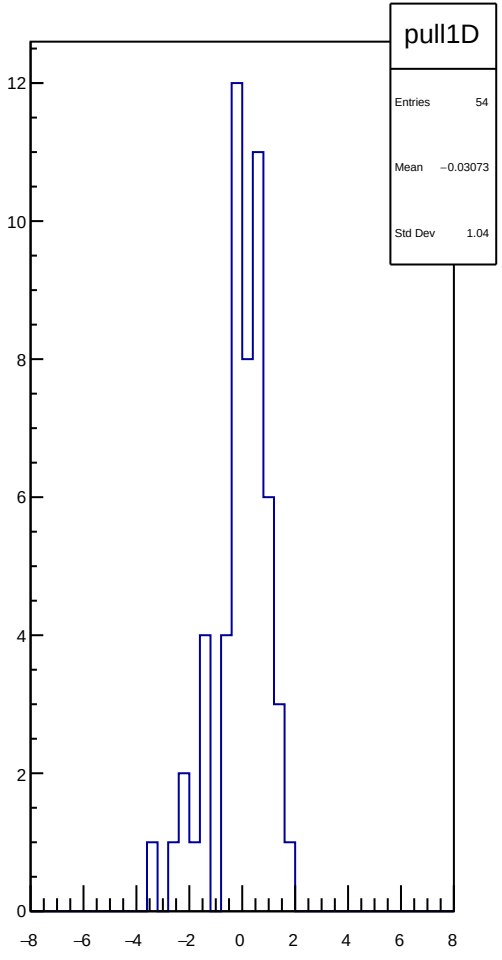
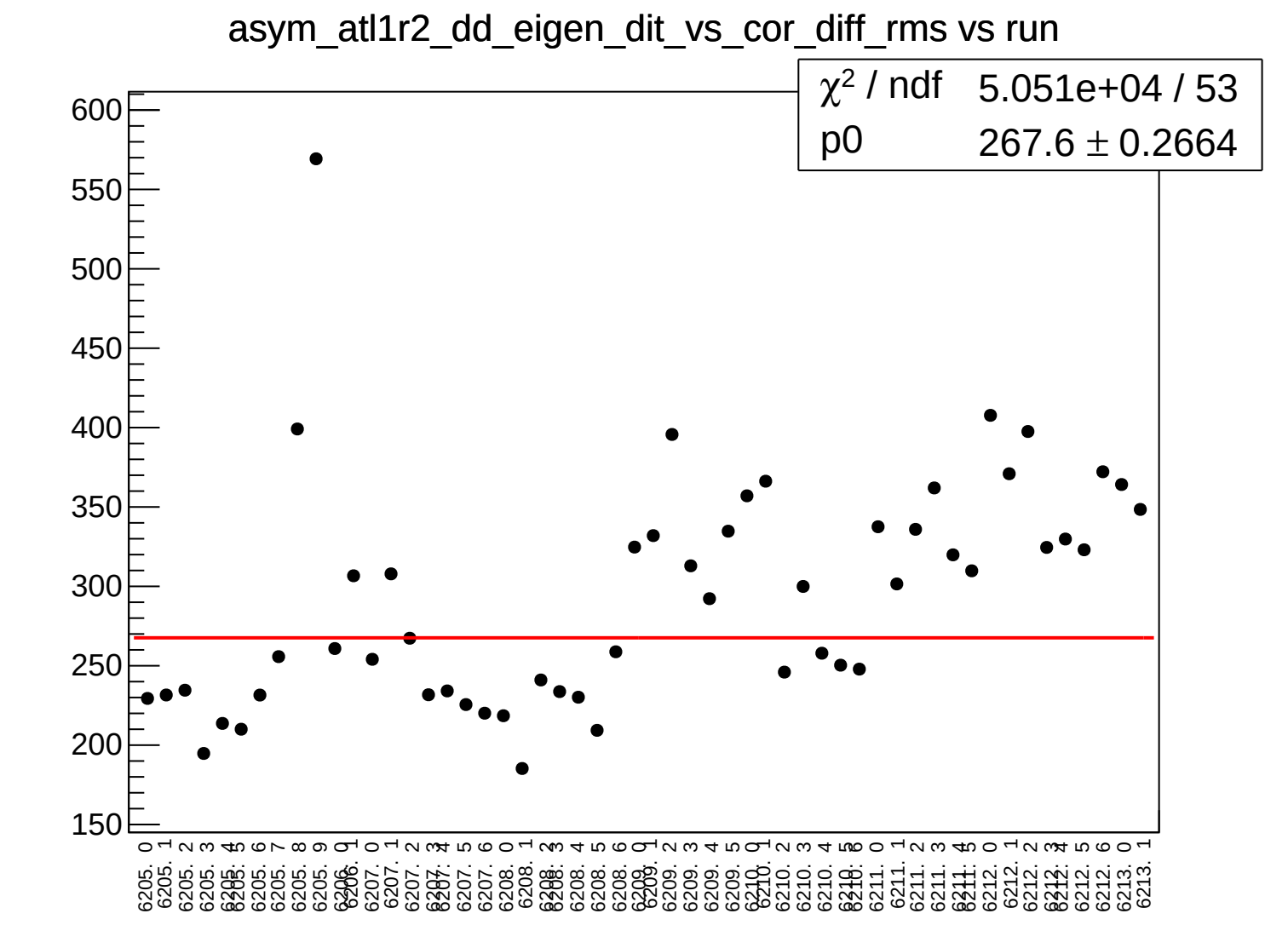
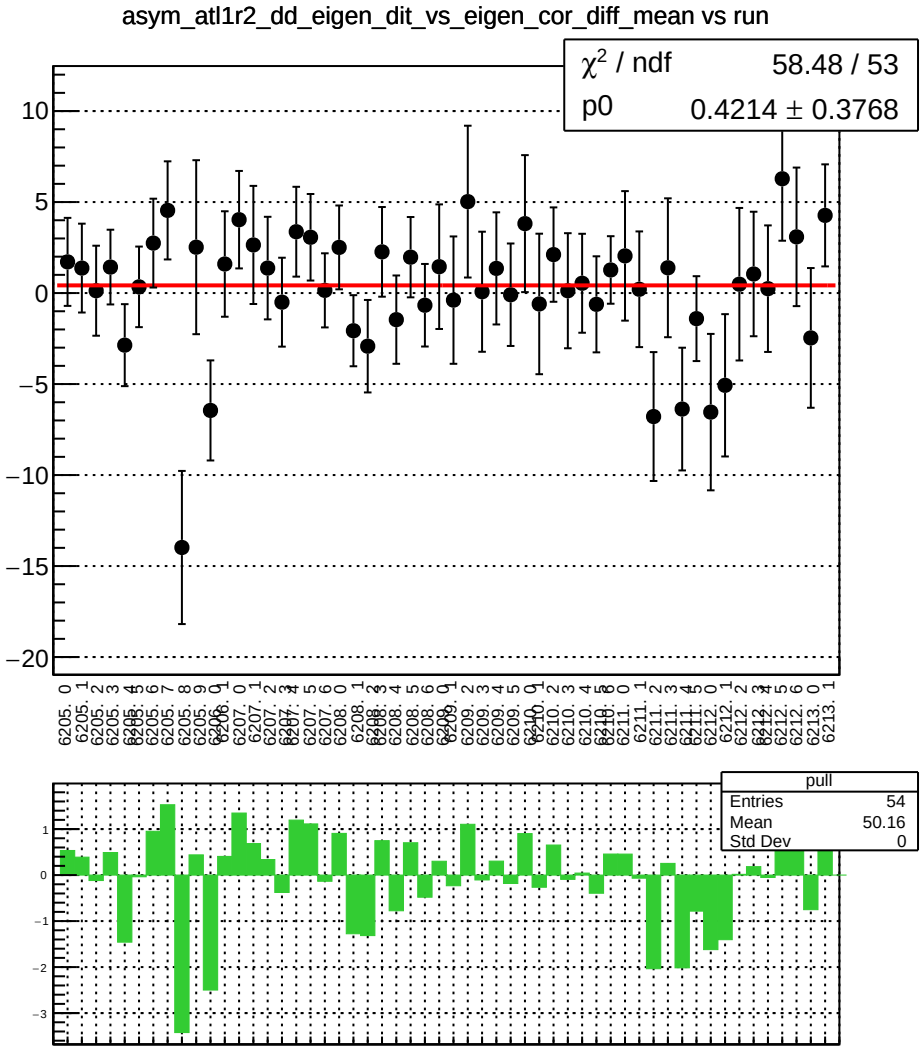
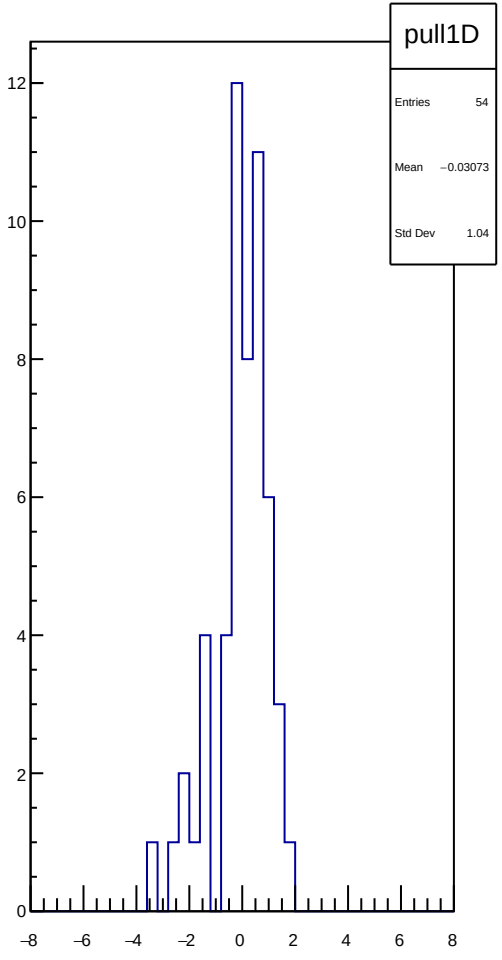
6213. 1

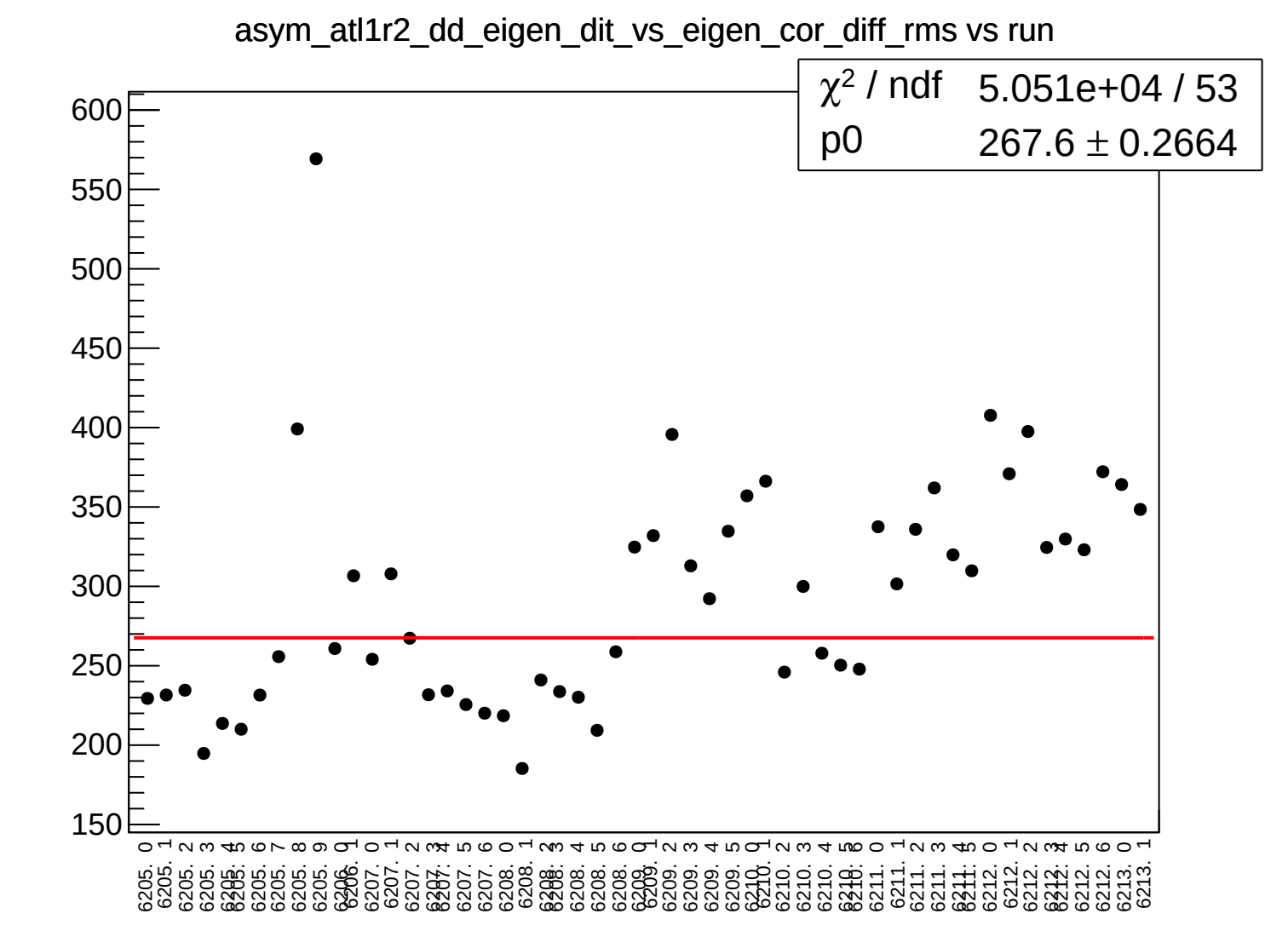

asym_atl1r2_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 58.48 / 53
p0 0.4214 ± 0.3768
pull
Entries 54
Mean 50.16
Std Dev 0


pull1D
Entries 54
Mean −0.03073
Std Dev 1.04


asym_atl1r2_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.051e+04 / 53
p0 267.6 ± 0.2664
600
550
500
450
400
350
300
250
200
150
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 1
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1


asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 58.48 / 53
p0 0.4214 ± 0.3768
pull
Entries 54
Mean 50.16
Std Dev 0


pull1D
Entries 54
Mean −0.03073
Std Dev 1.04


asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.051e+04 / 53
p0 267.6 ± 0.2664
600
550
500
450
400
350
300
250
200
150
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
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6207. 4
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6207. 6
6208. 0
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6208. 2
6208. 3
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6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
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6210. 0
6210. 1
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6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
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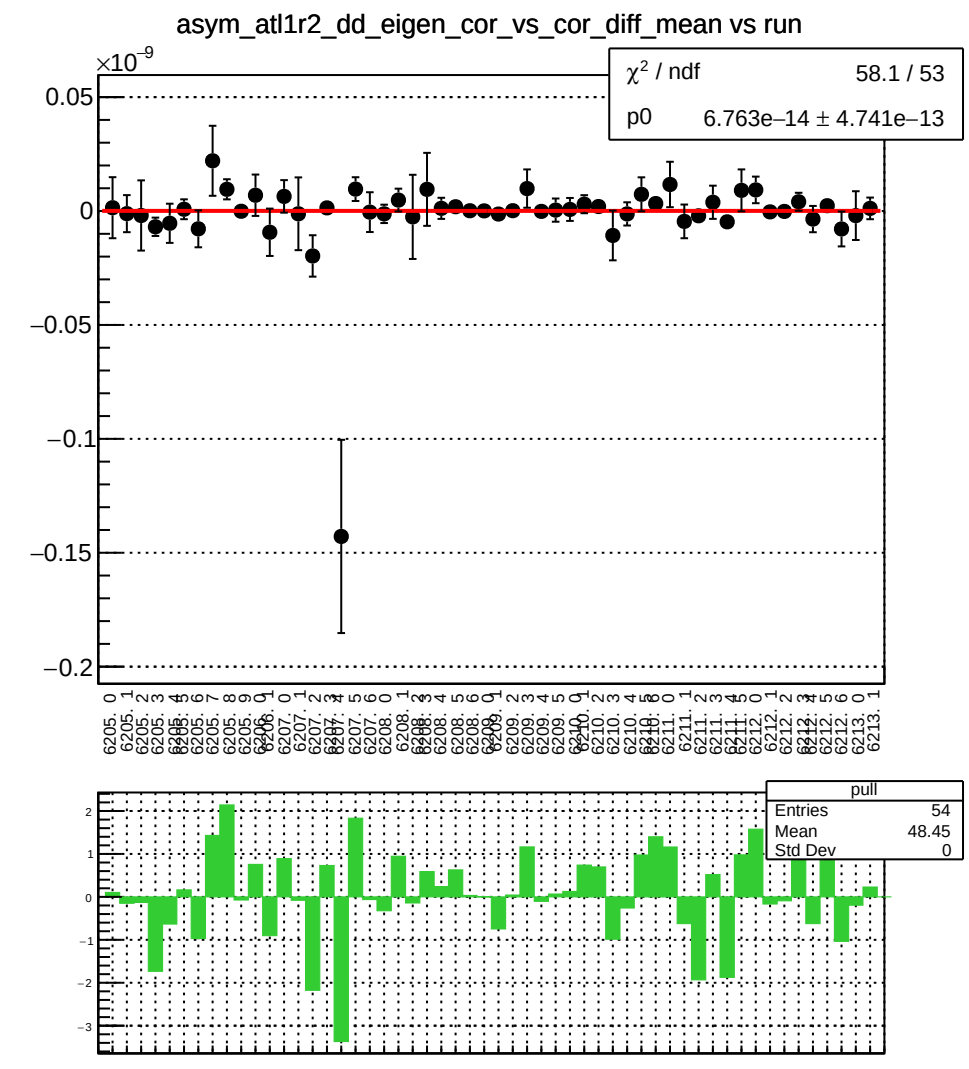
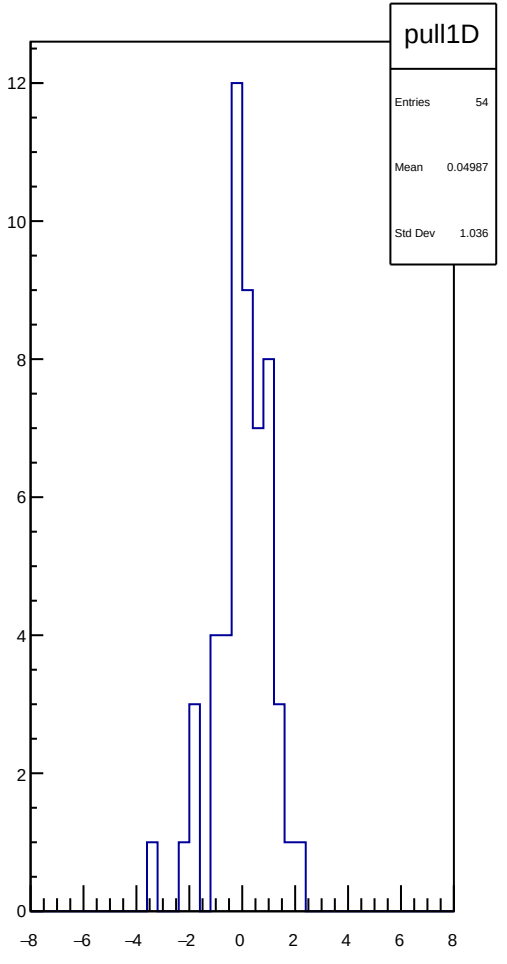
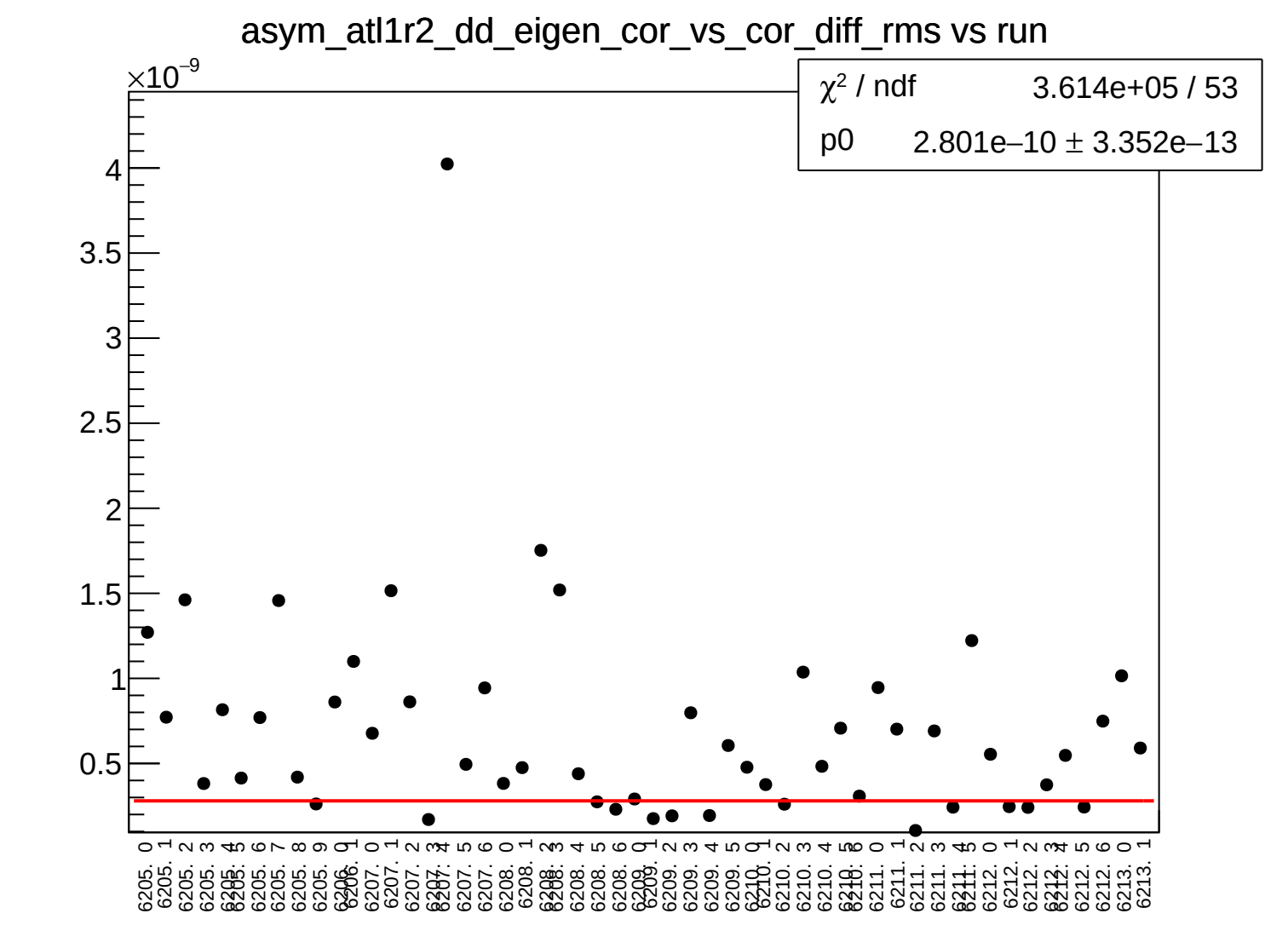
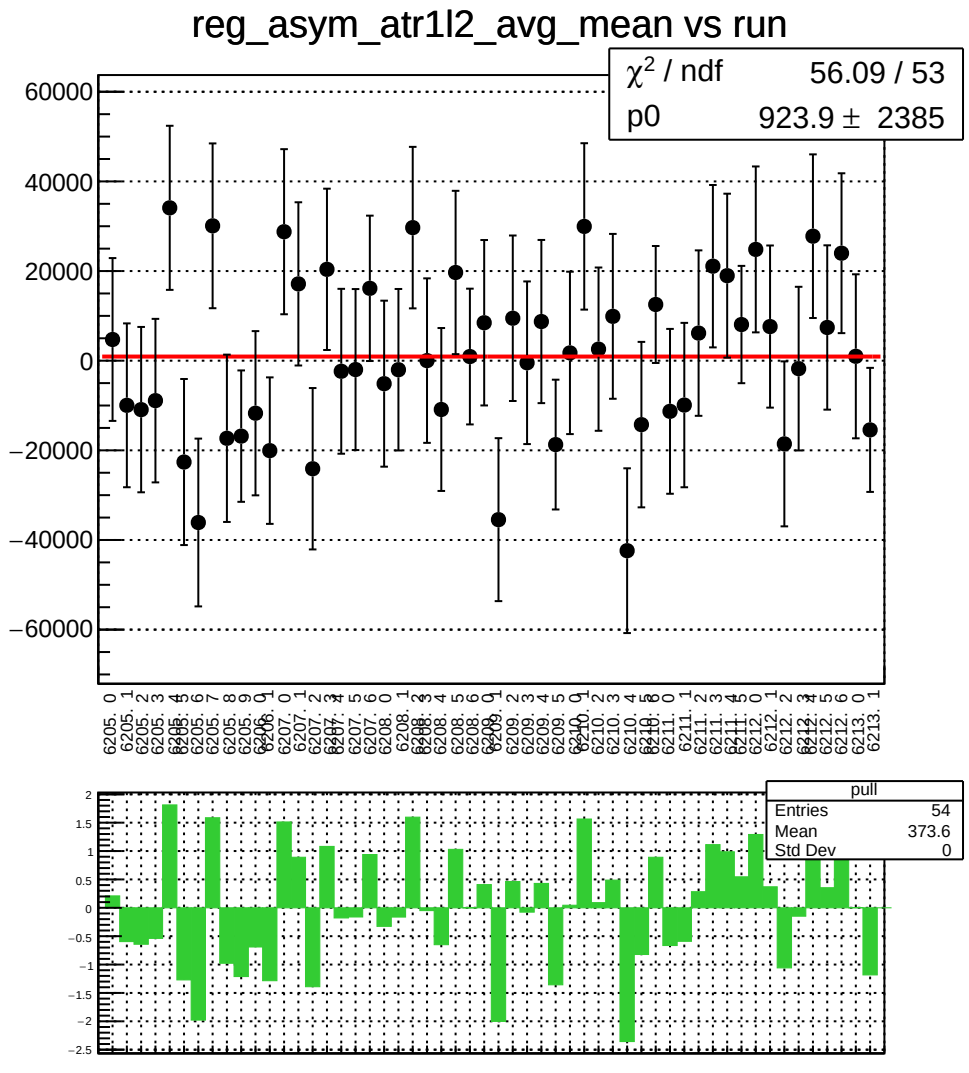
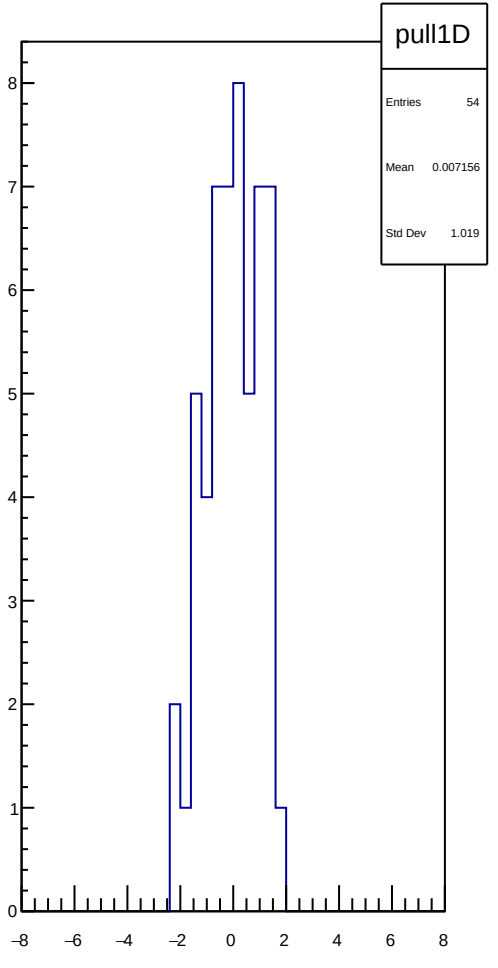
6212. 5
6212. 6
6213. 0
6213. 1

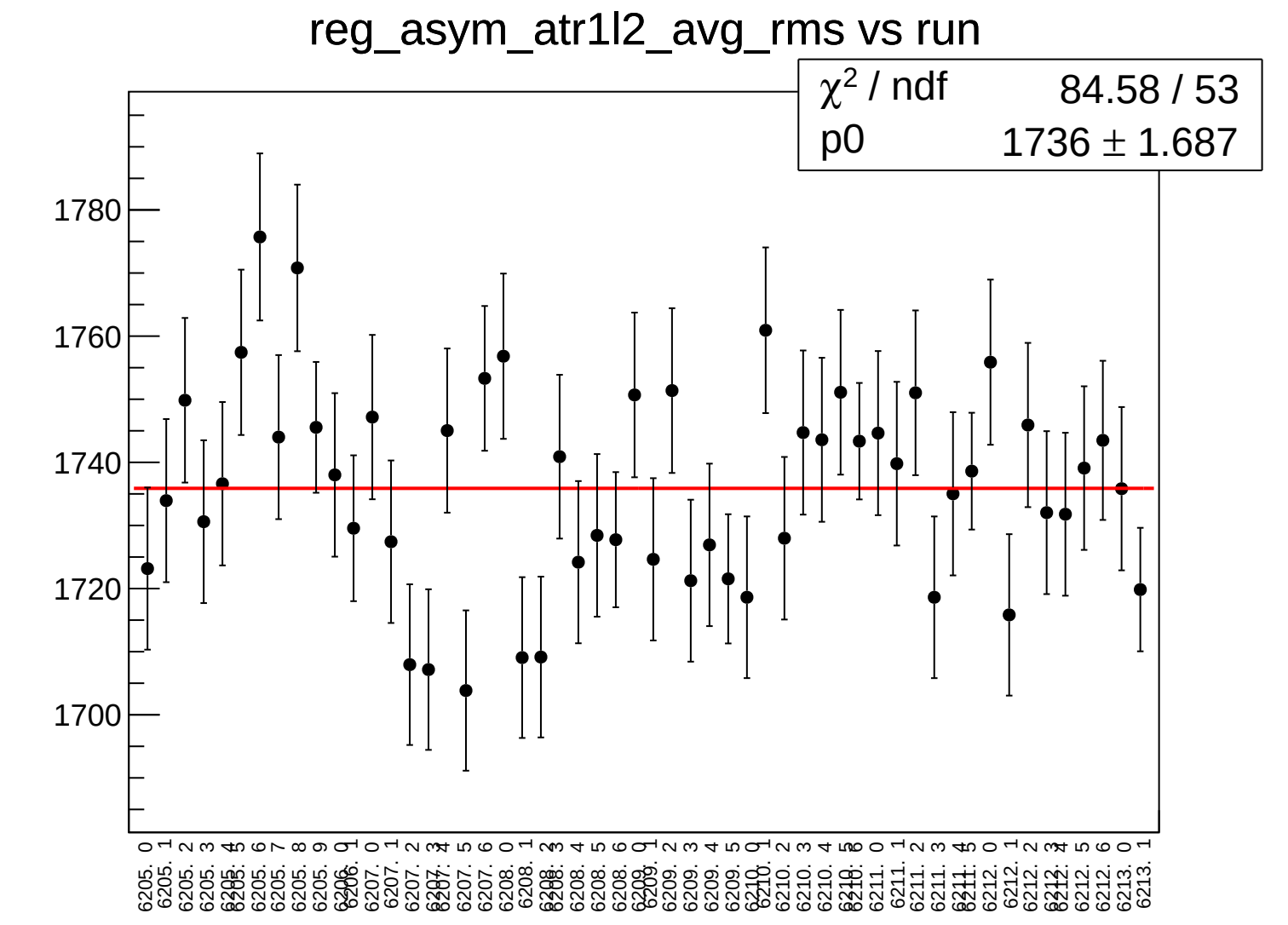

asym_atl1r2_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻⁹
χ² / ndf 58.1 / 53
p0 6.763e−14 ± 4.741e−13
0.05
0
−0.05
−0.1
−0.15
−0.2
pull
Entries 54
Mean 48.45
Std Dev 0
2
1
0
−1
−2
−3

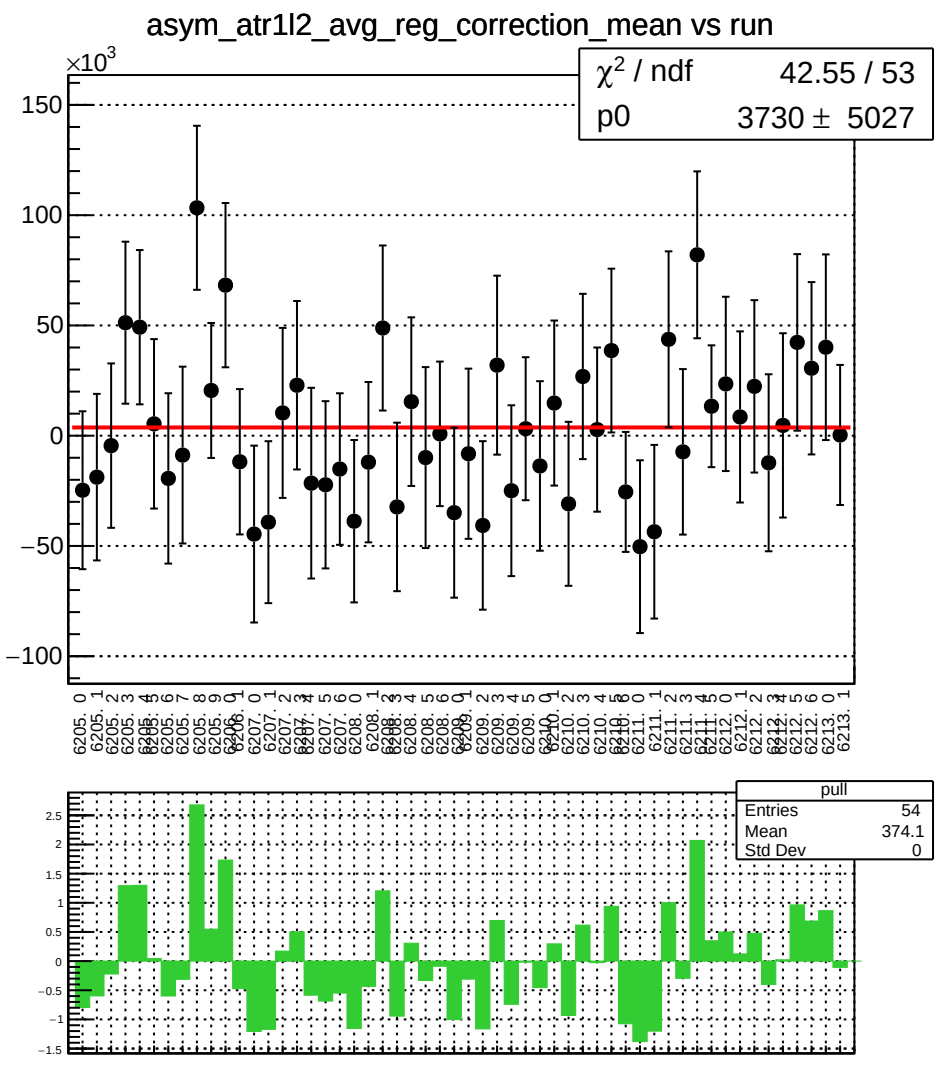

pull1D
Entries 54
Mean 0.04987
Std Dev 1.036
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

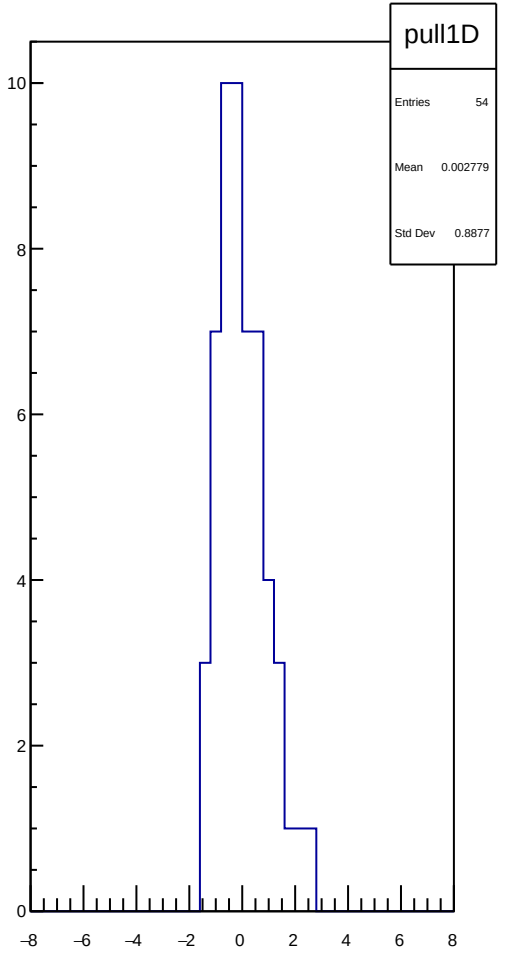

asym_atl1r2_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.614e+05 / 53
p0 2.801e−10 ± 3.352e−13
4
3.5
3
2.5
2
1.5
1
0.5
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

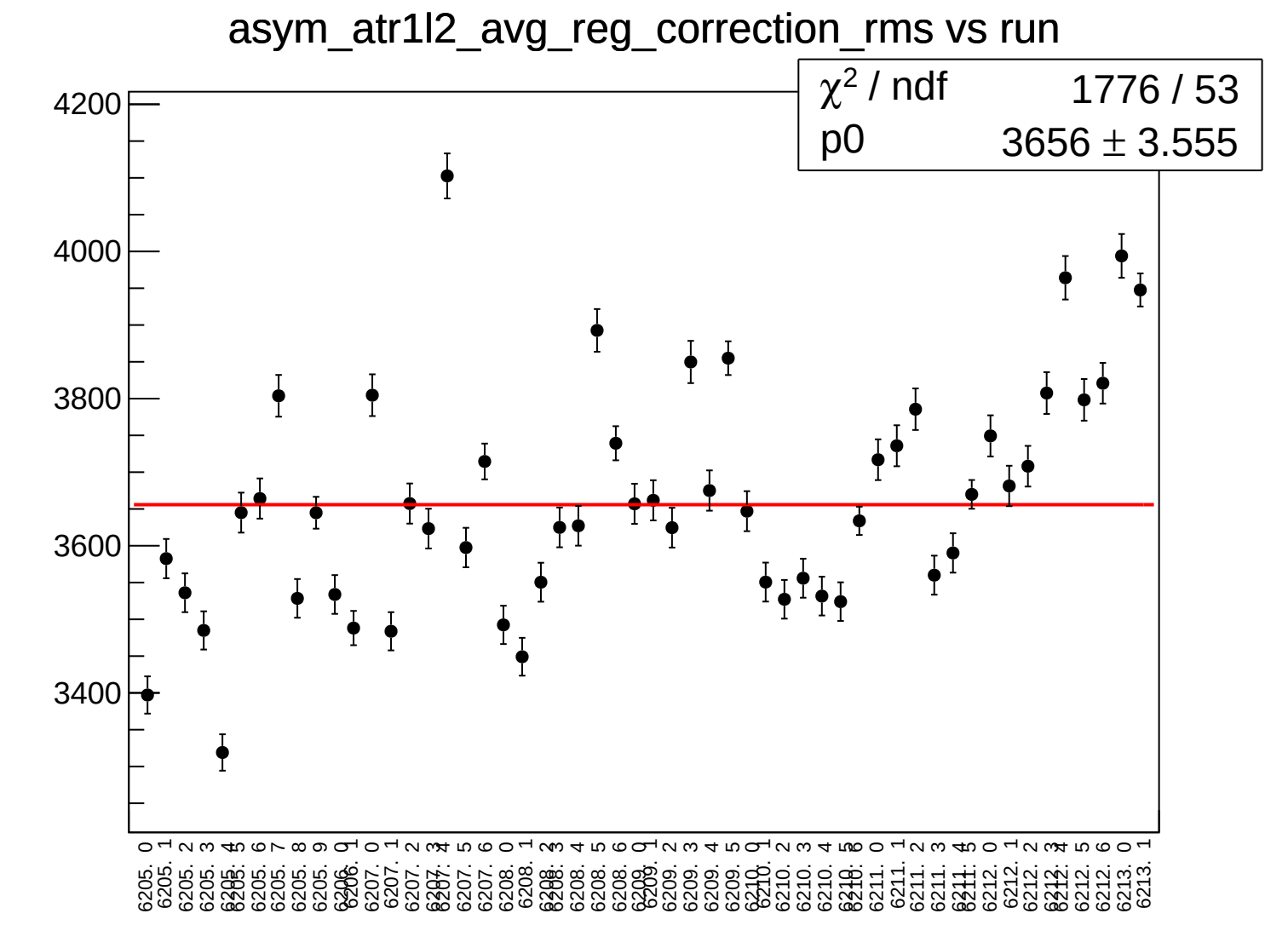

reg_asym_atr1l2_avg_mean vs run
χ² / ndf 56.09 / 53
p0 923.9 ± 2385
pull
Entries 54
Mean 373.6
Std Dev 0

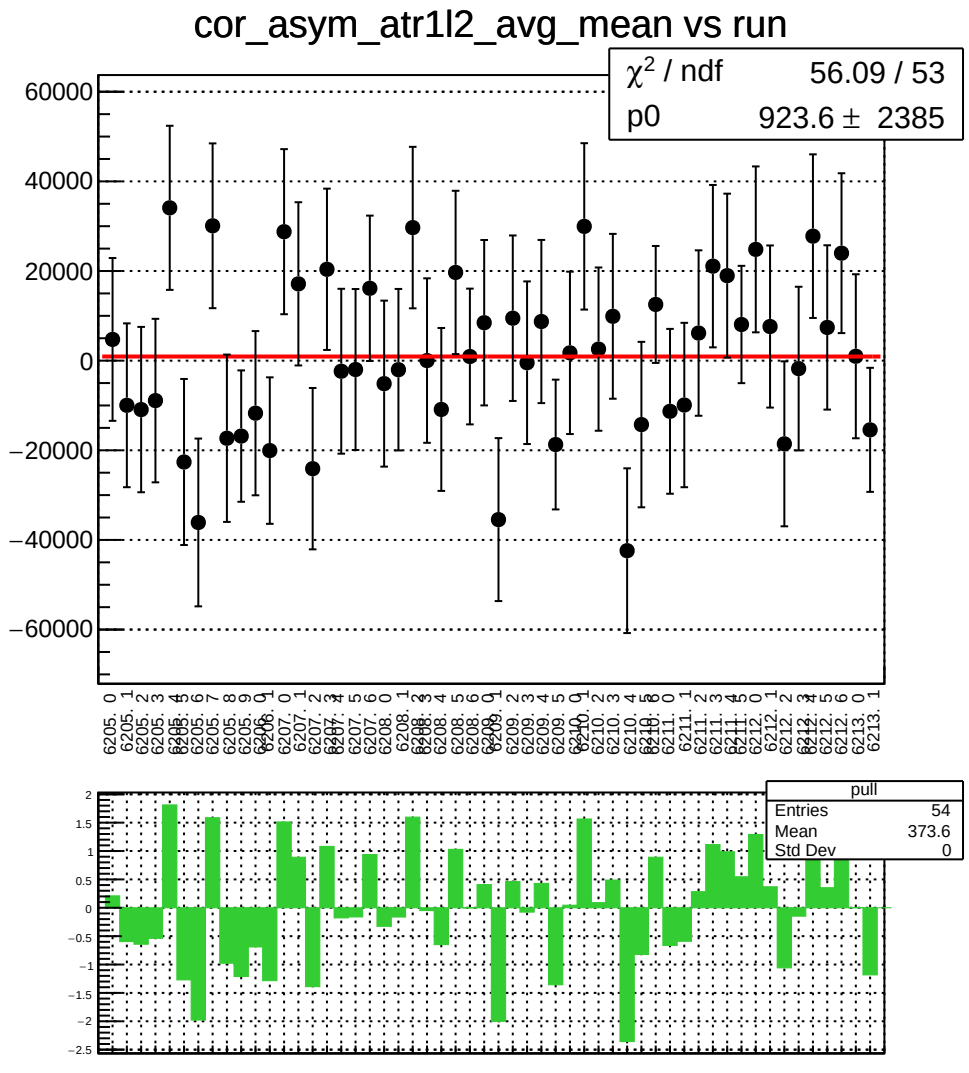

pull1D
Entries 54
Mean 0.007156
Std Dev 1.019

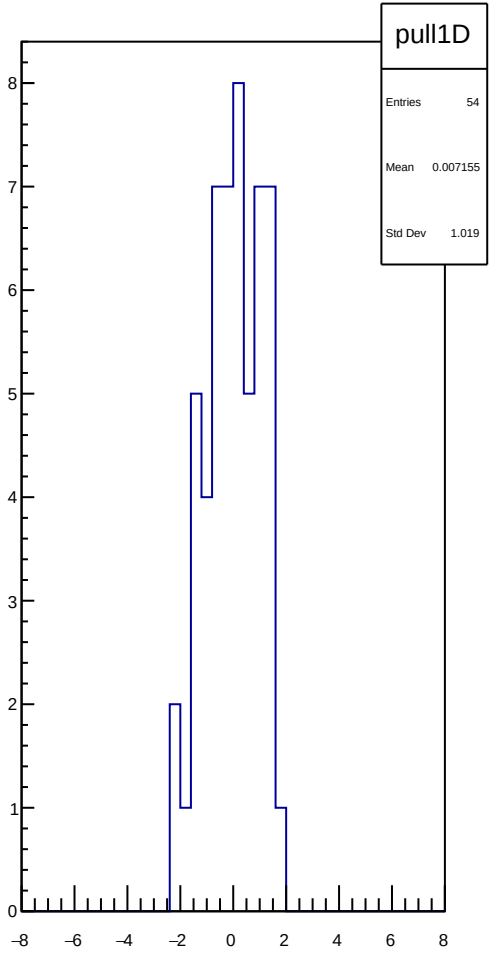

reg_asym_atr1l2_avg_rms vs run
χ² / ndf 84.58 / 53
p0 1736 ± 1.687
1780
1760
1740
1720
1700
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

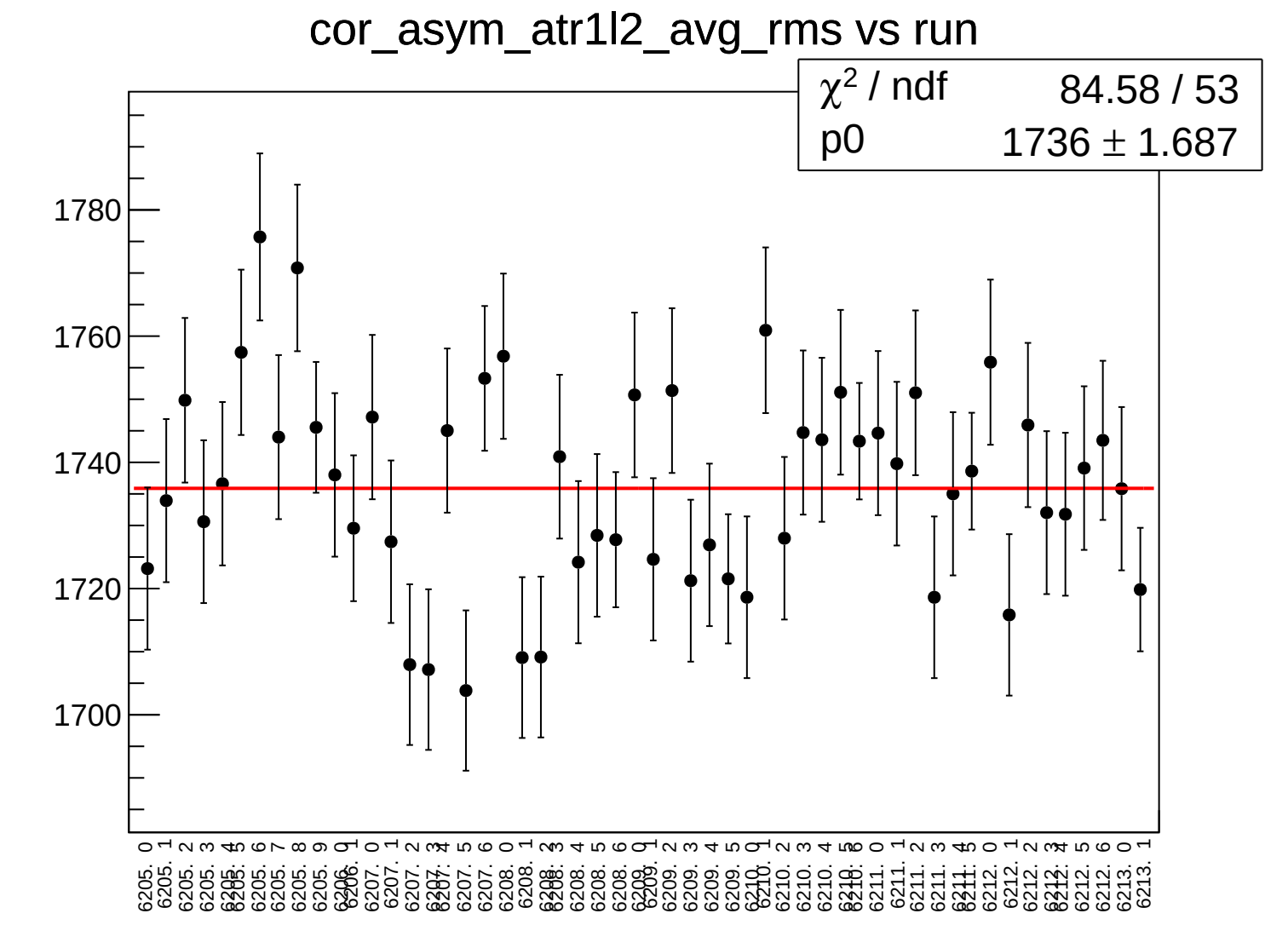

asym_atr1l2_avg_reg_correction_mean vs run
×10^3
χ² / ndf 42.55 / 53
p0 3730 ± 5027
150
100
50
0
−50
−100
pull
Entries 54
Mean 374.1
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

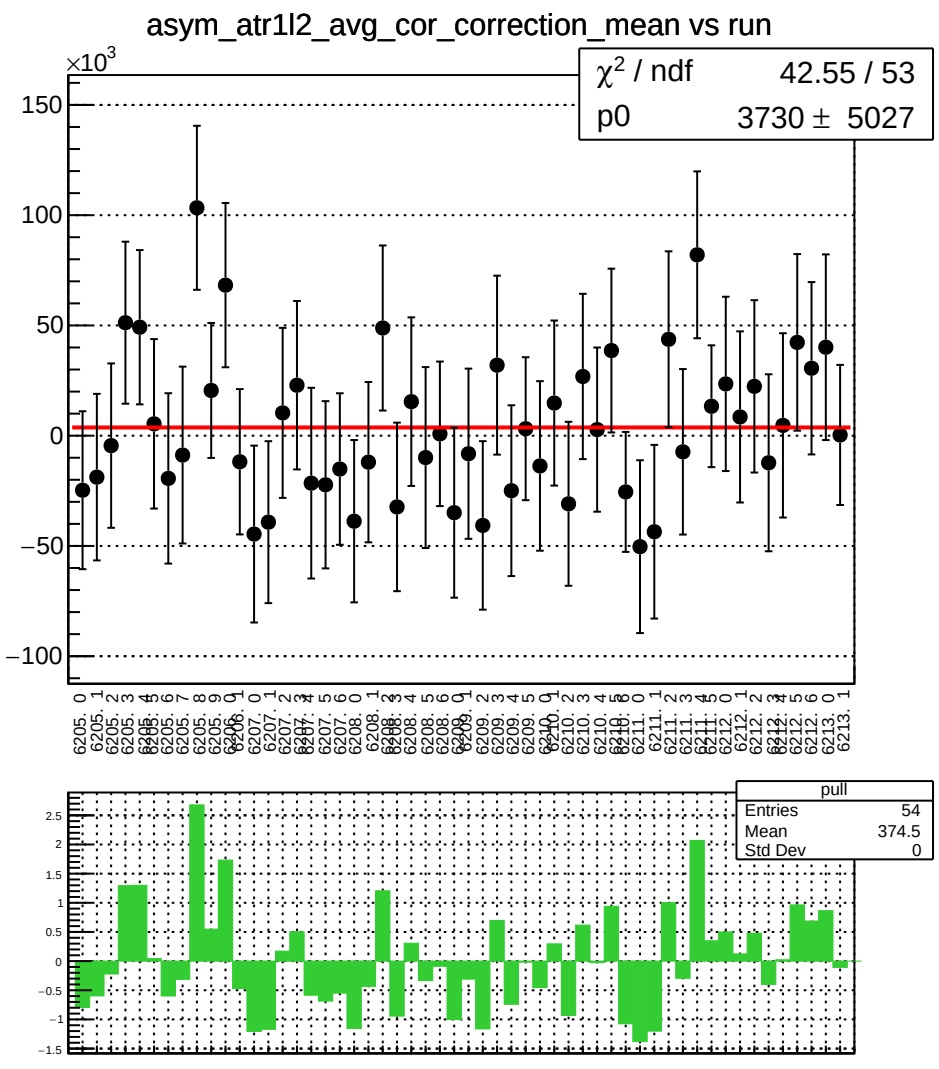

pull1D
Entries 54
Mean 0.002779
Std Dev 0.8877
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

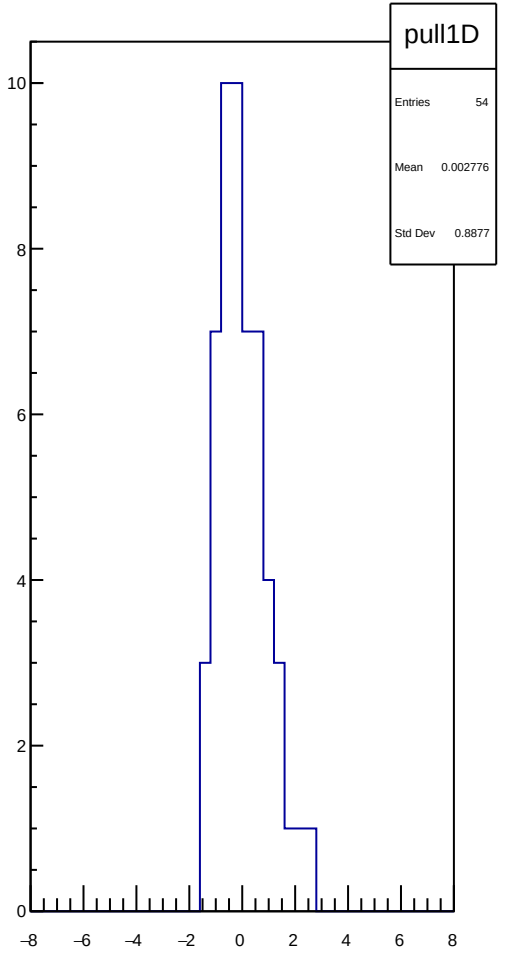

asym_atr1l2_avg_reg_correction_rms vs run
χ² / ndf 1776 / 53
p0 3656 ± 3.555
4200
4000
3800
3600
3400
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

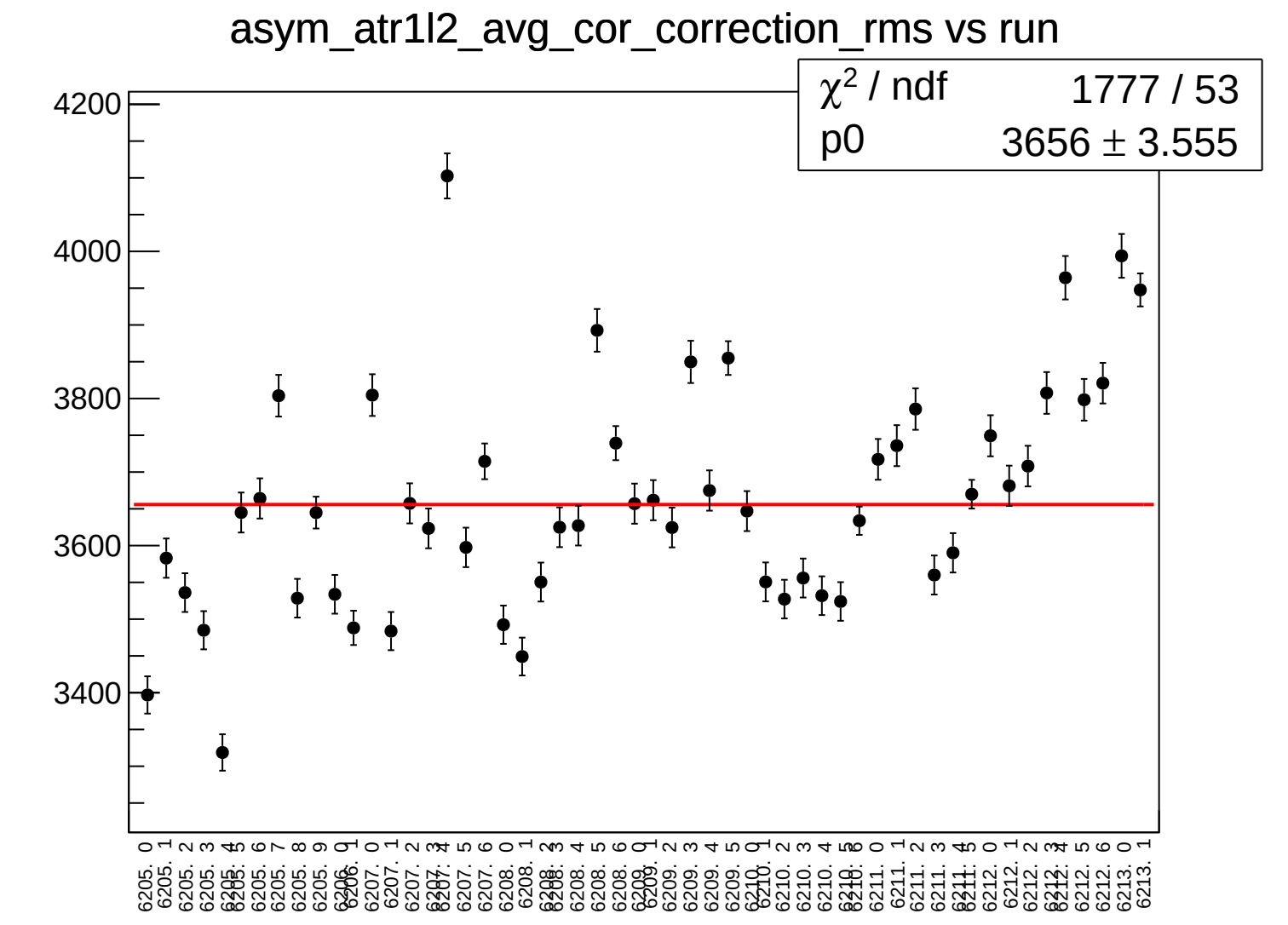

cor_asym_atr1l2_avg_mean vs run
χ² / ndf 56.09 / 53
p0 923.6 ± 2385
pull
Entries 54
Mean 373.6
Std Dev 0

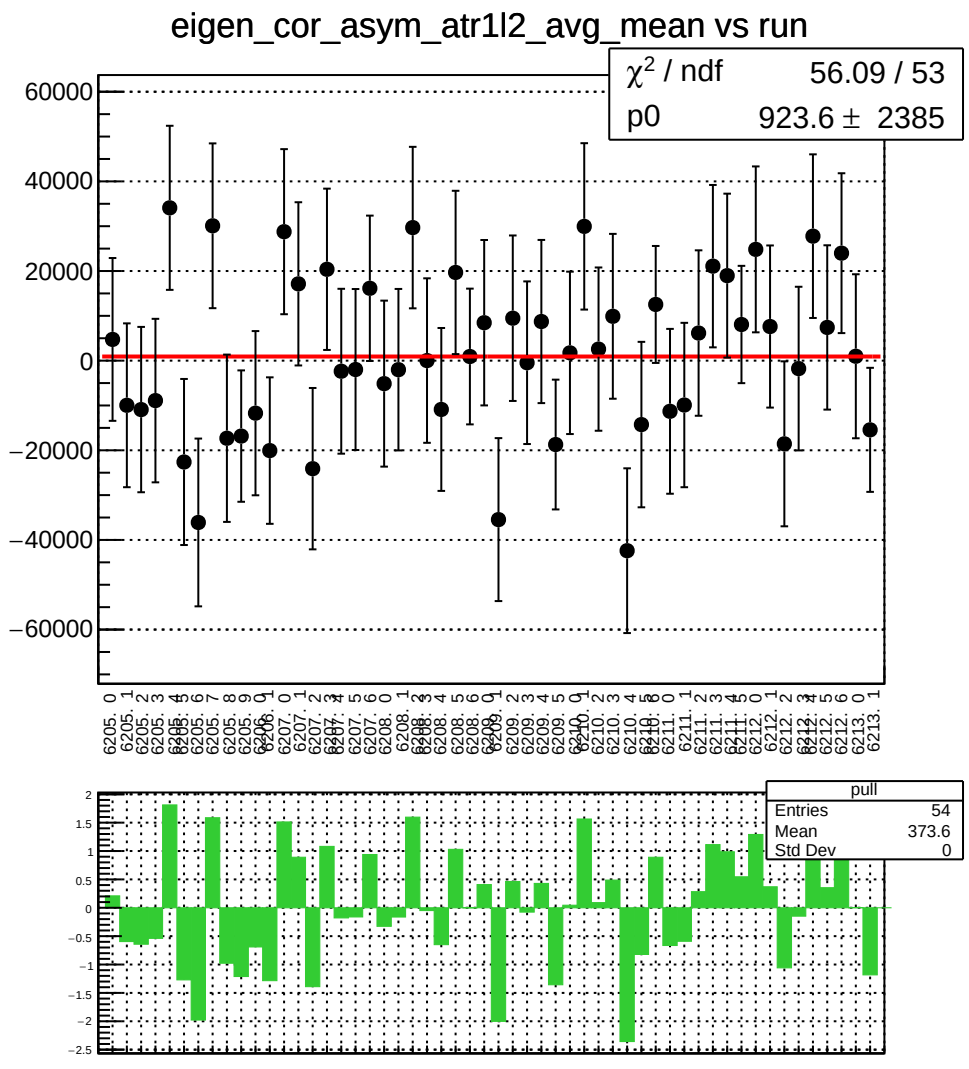

pull1D
Entries 54
Mean 0.007155
Std Dev 1.019

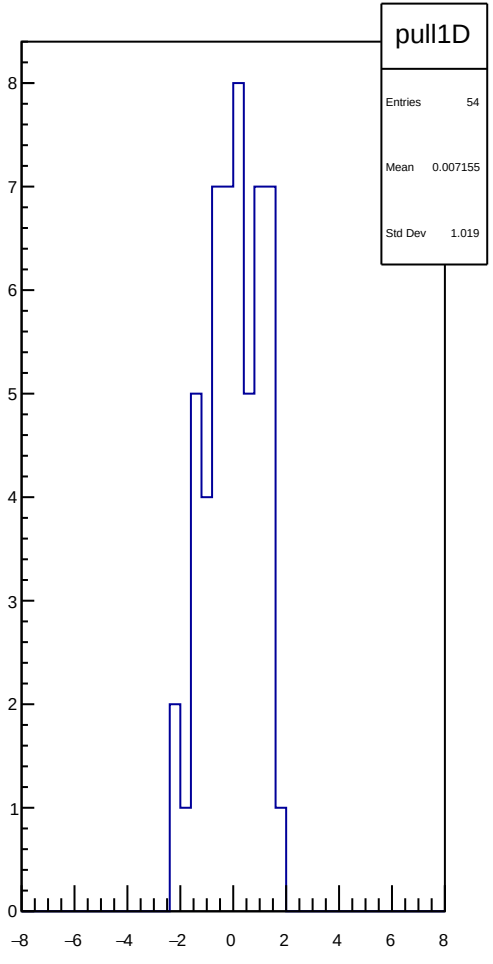

cor_asym_atr1l2_avg_rms vs run
χ² / ndf 84.58 / 53
p0 1736 ± 1.687
1780
1760
1740
1720
1700
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

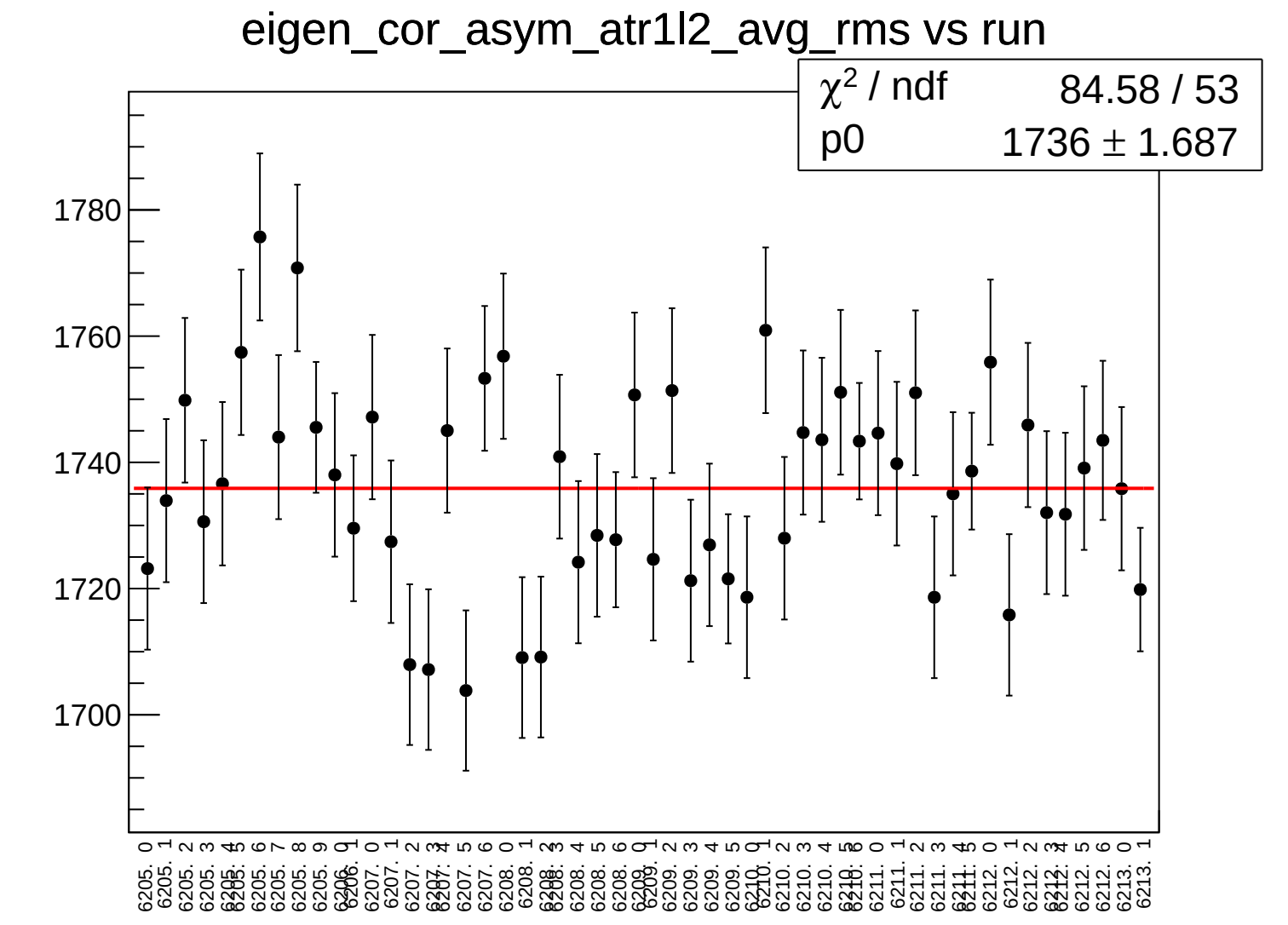

asym_atr1l2_avg_cor_correction_mean vs run
×10^3
χ² / ndf 42.55 / 53
p0 3730 ± 5027
150
100
50
0
−50
−100
pull
Entries 54
Mean 374.5
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

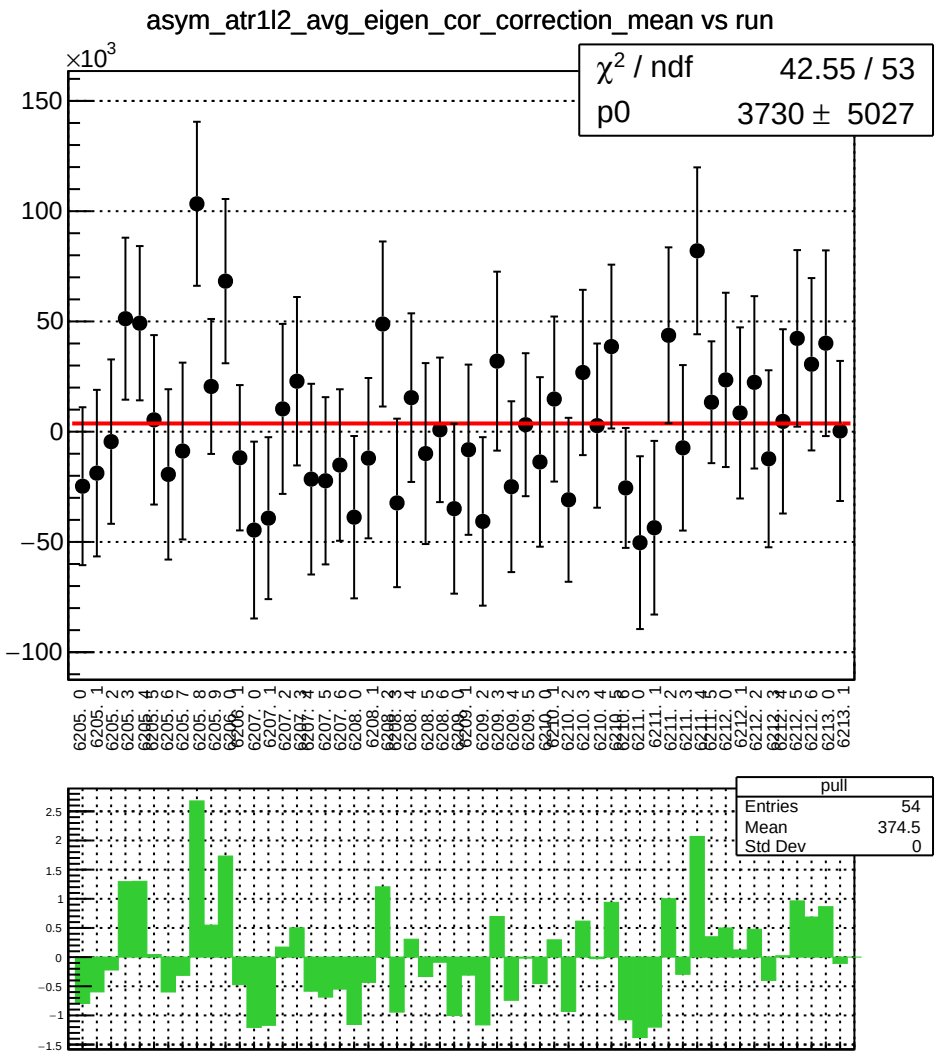

pull1D
Entries 54
Mean 0.002776
Std Dev 0.8877
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

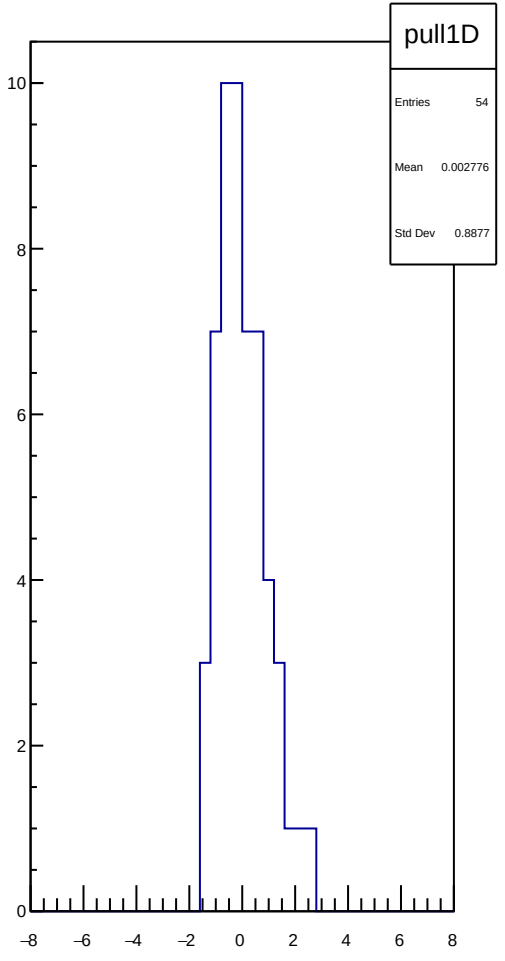

asym_atr1l2_avg_cor_correction_rms vs run
χ² / ndf 1777 / 53
p0 3656 ± 3.555
4200
4000
3800
3600
3400
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

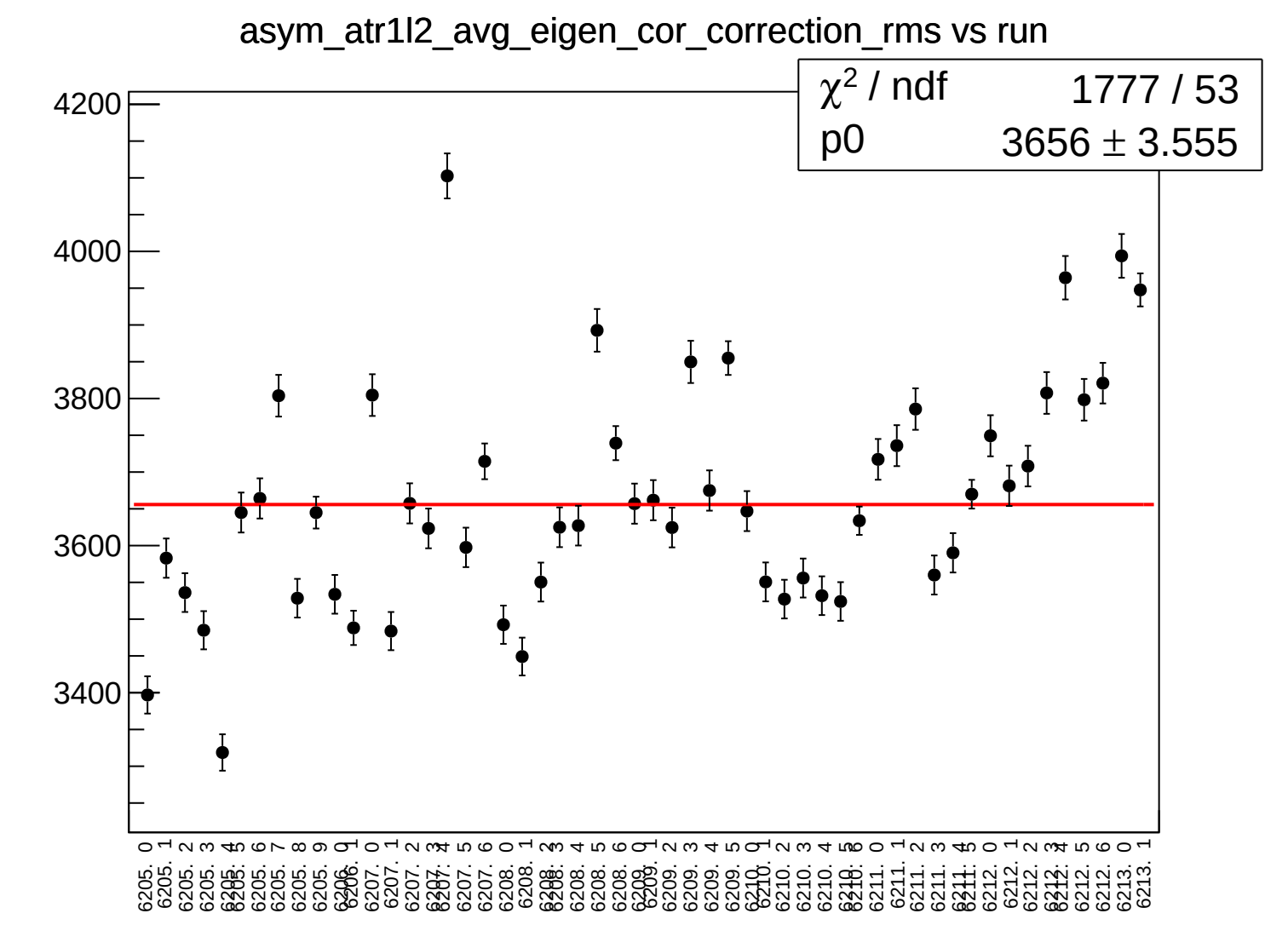

eigen_cor_asym_atr1l2_avg_mean vs run
χ² / ndf 56.09 / 53
p0 923.6 ± 2385
pull
Entries 54
Mean 373.6
Std Dev 0

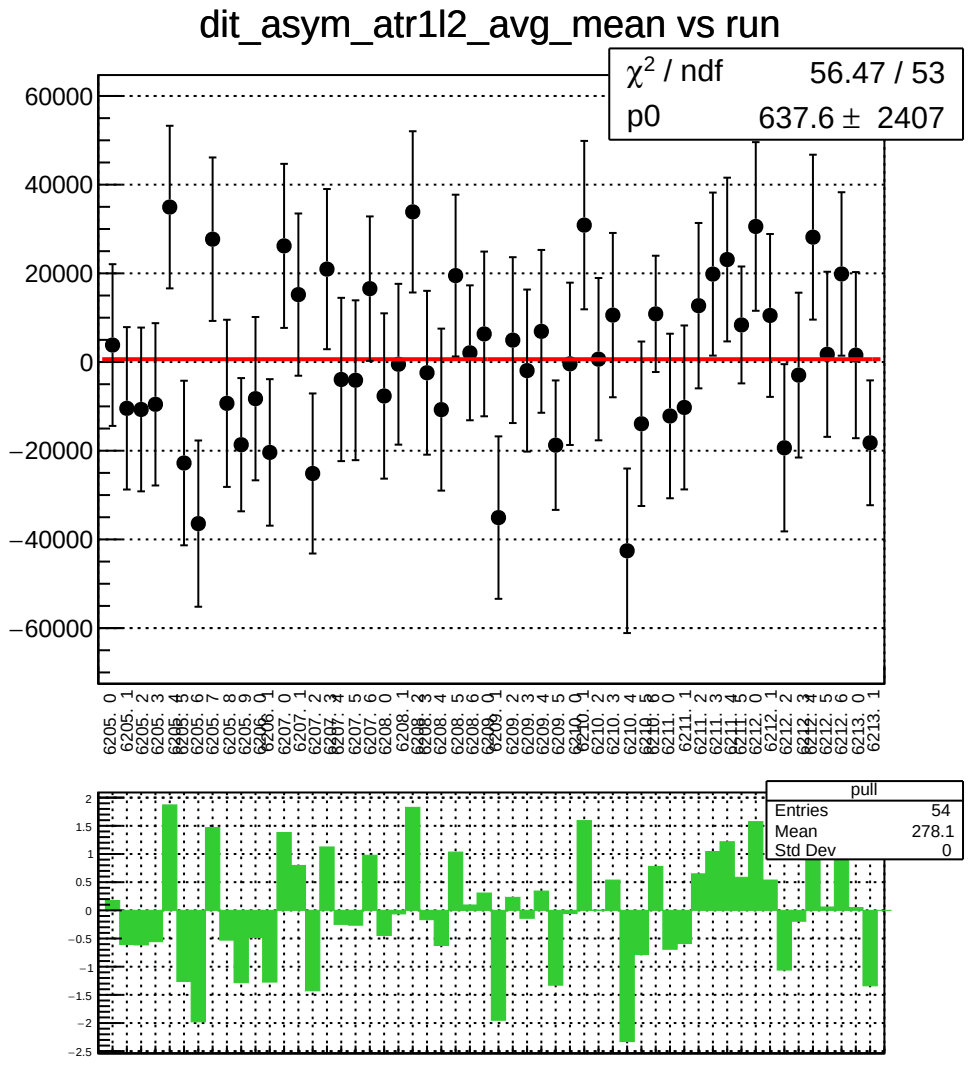

pull1D
Entries 54
Mean 0.007155
Std Dev 1.019

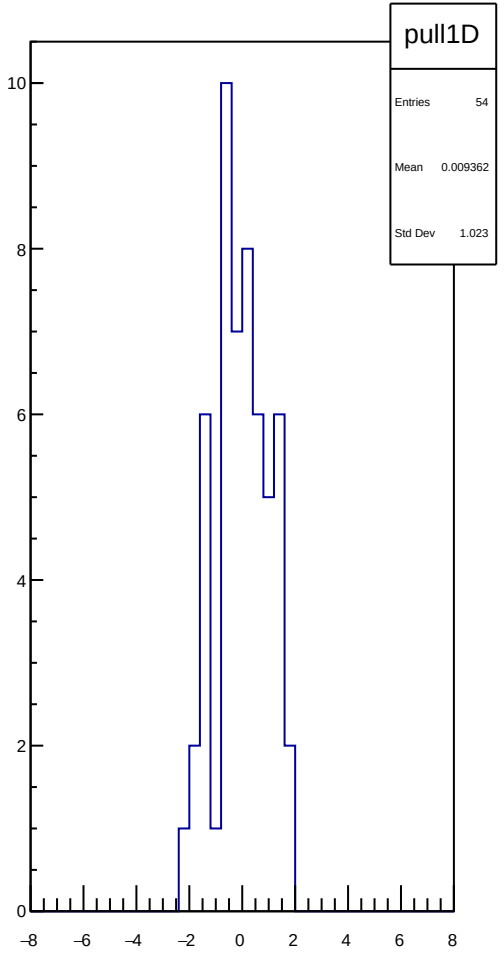

eigen_cor_asym_atr1l2_avg_rms vs run
χ² / ndf 84.58 / 53
p0 1736 ± 1.687
1780
1760
1740
1720
1700
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 1
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 1
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

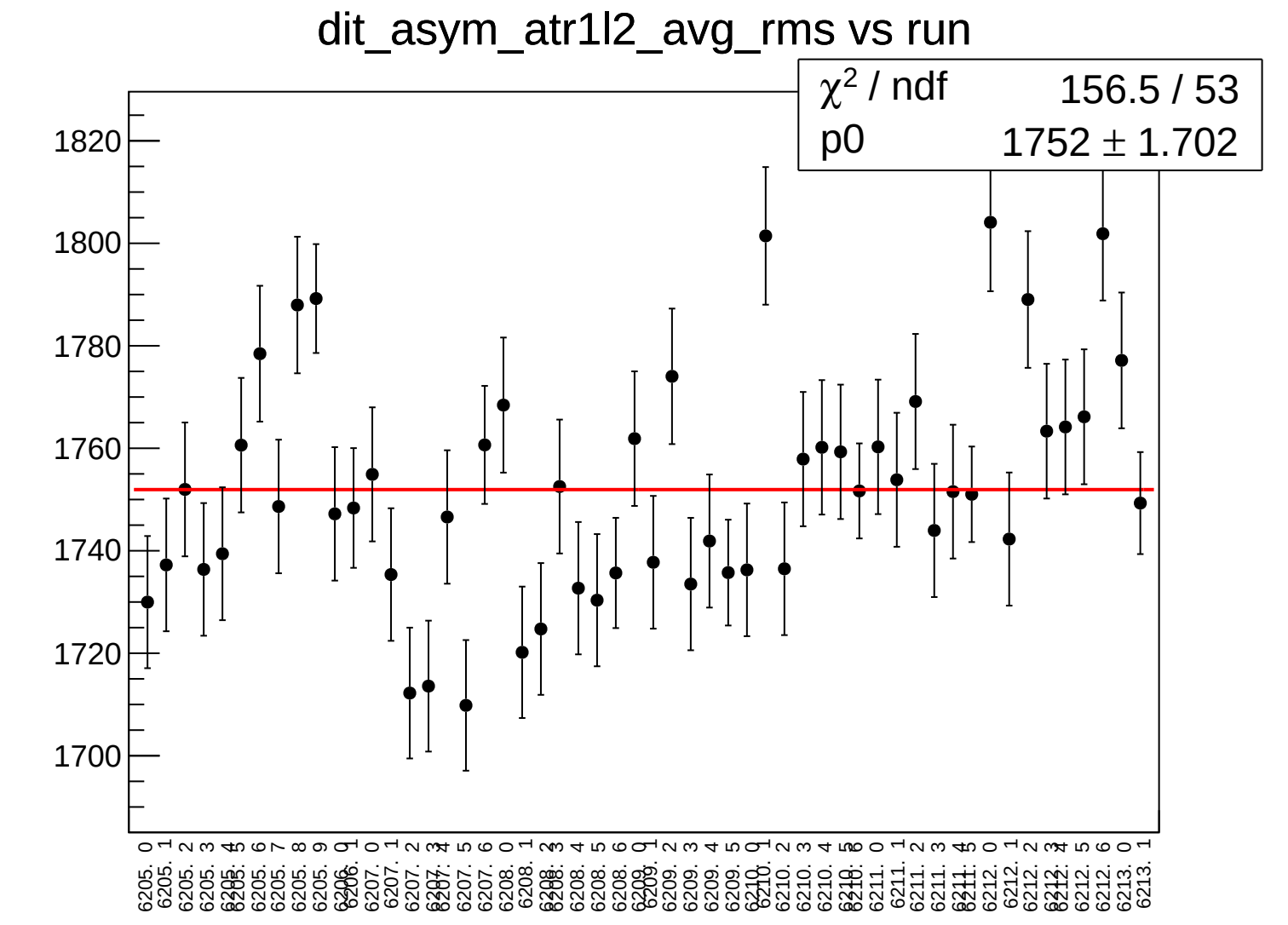

asym_atr1l2_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 42.55 / 53
p0 3730 ± 5027
150
100
50
0
−50
−100
pull
Entries 54
Mean 374.5
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

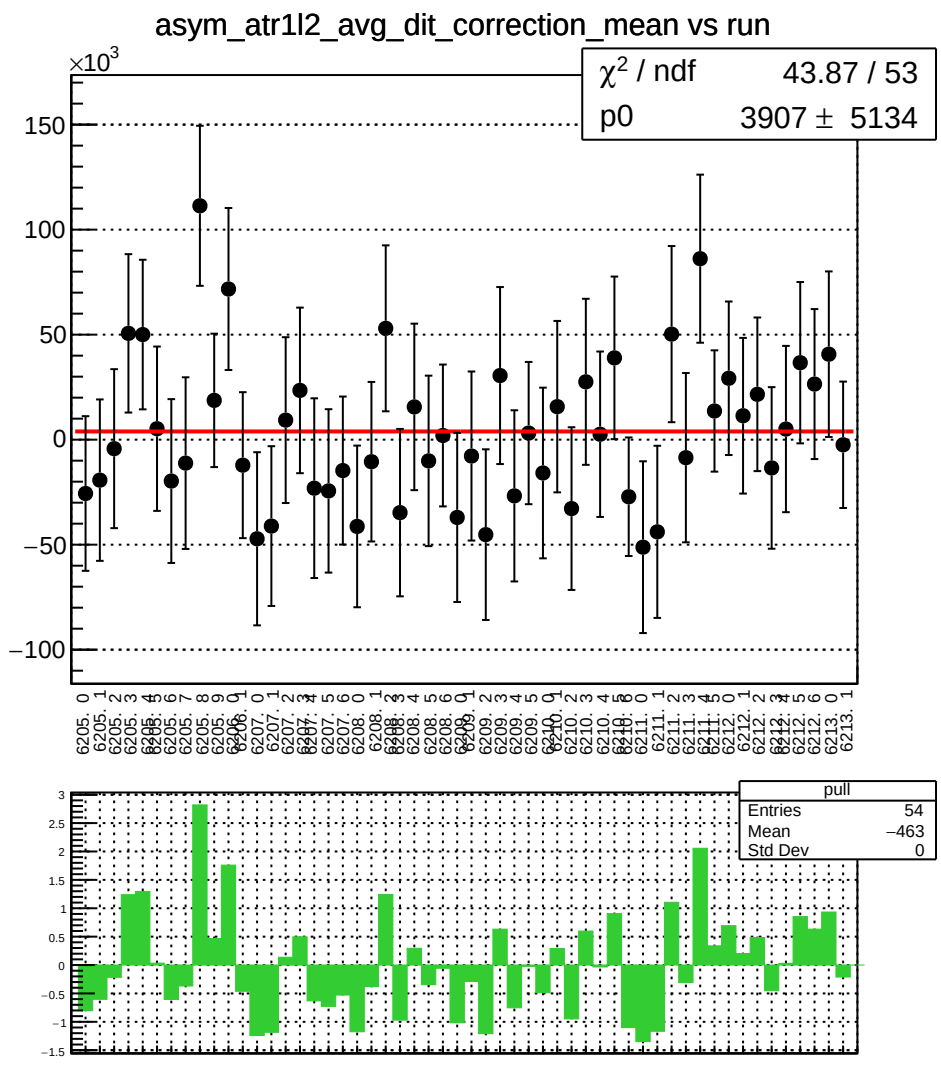

pull1D
Entries 54
Mean 0.002776
Std Dev 0.8877
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

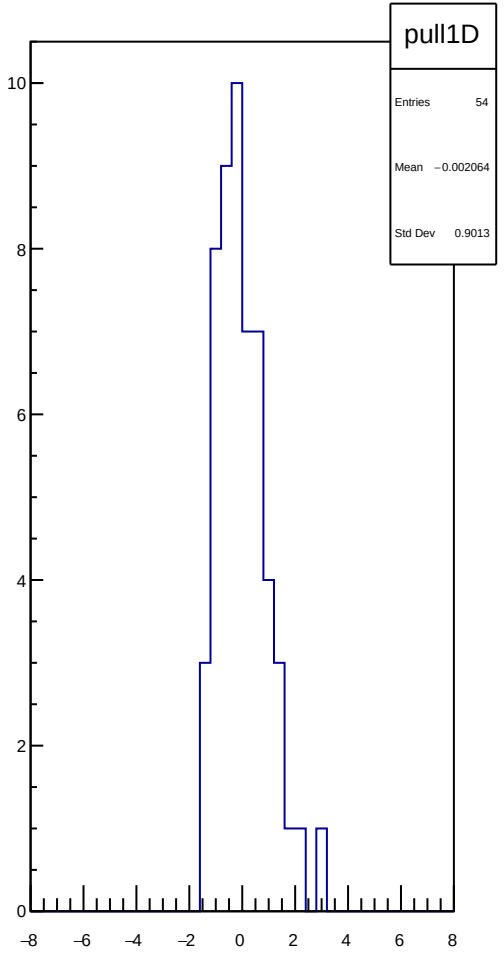

asym_atr1l2_avg_eigen_cor_correction_rms vs run
χ² / ndf 1777 / 53
p0 3656 ± 3.555
4200
4000
3800
3600
3400
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

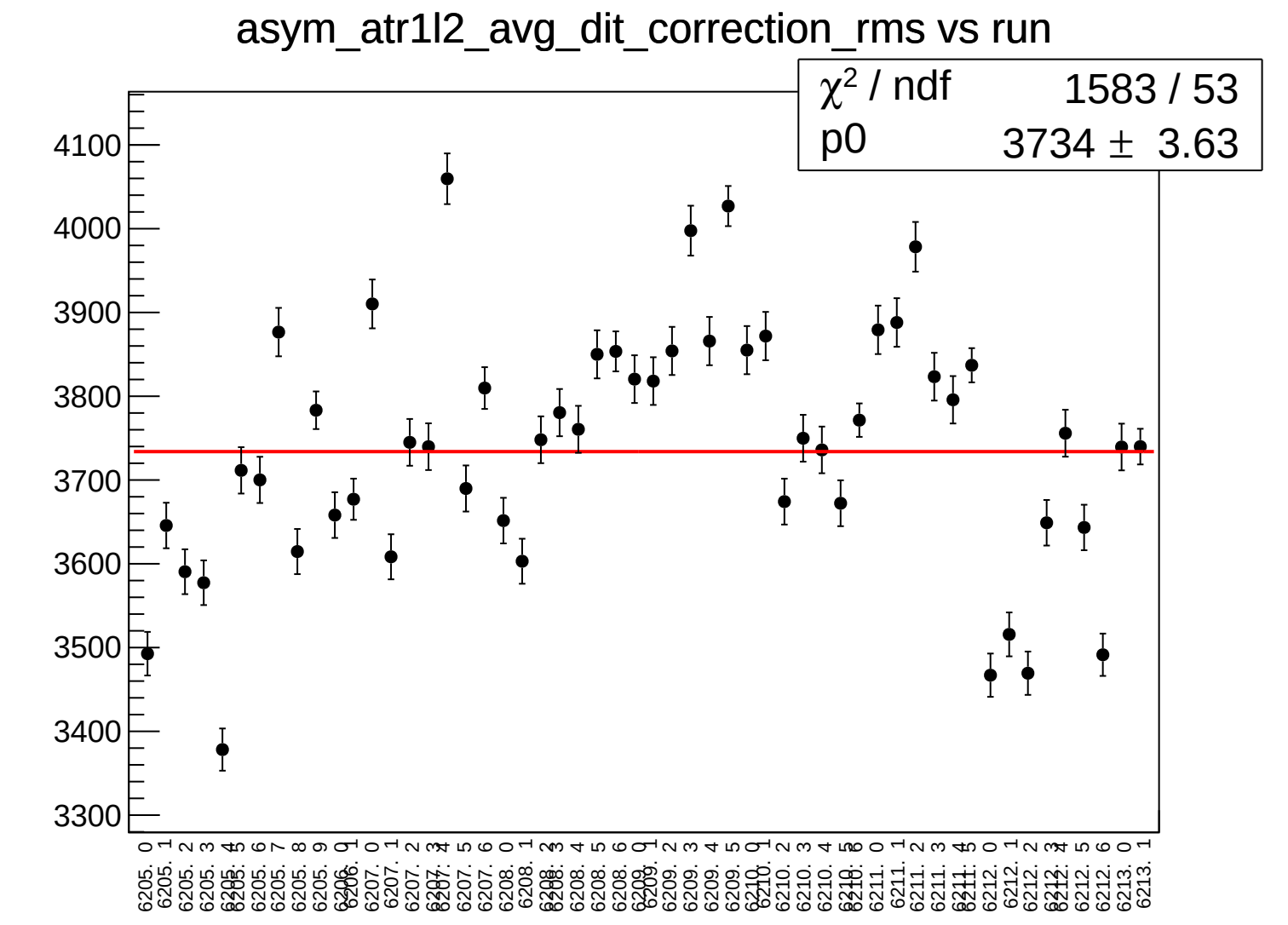

dit_asym_atr1l2_avg_mean vs run
χ² / ndf 56.47 / 53
p0 637.6 ± 2407
pull
Entries 54
Mean 278.1
Std Dev 0

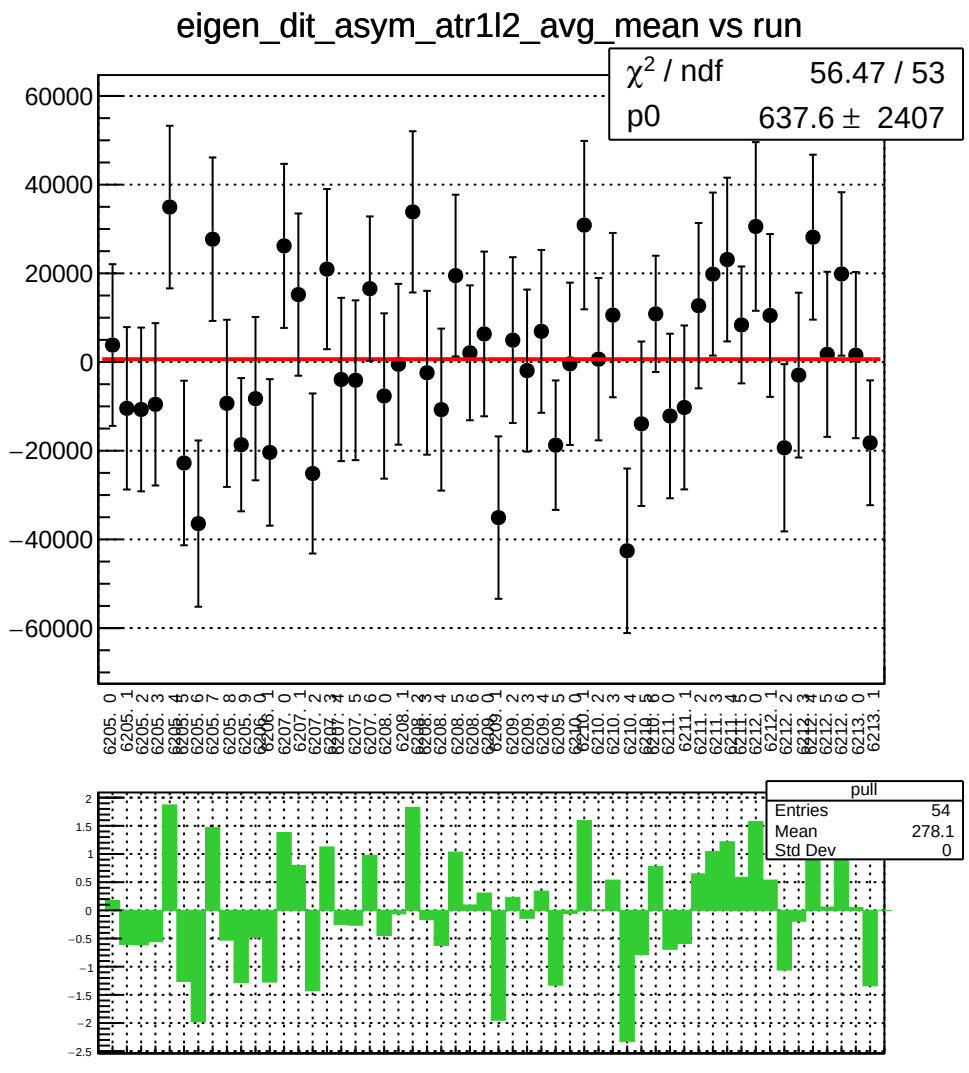

pull1D
Entries 54
Mean 0.009362
Std Dev 1.023

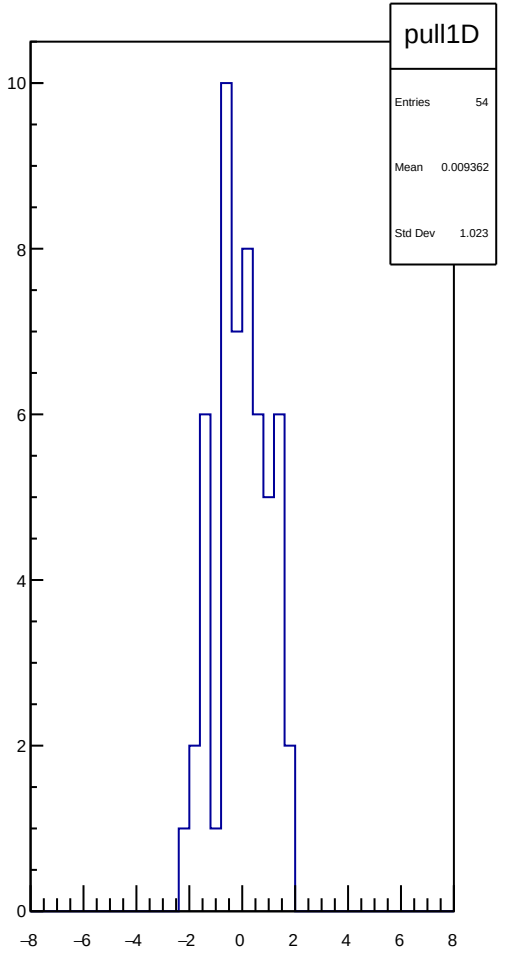

dit_asym_atr1l2_avg_rms vs run
χ² / ndf 156.5 / 53
p0 1752 ± 1.702
1820
1800
1780
1760
1740
1720
1700
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

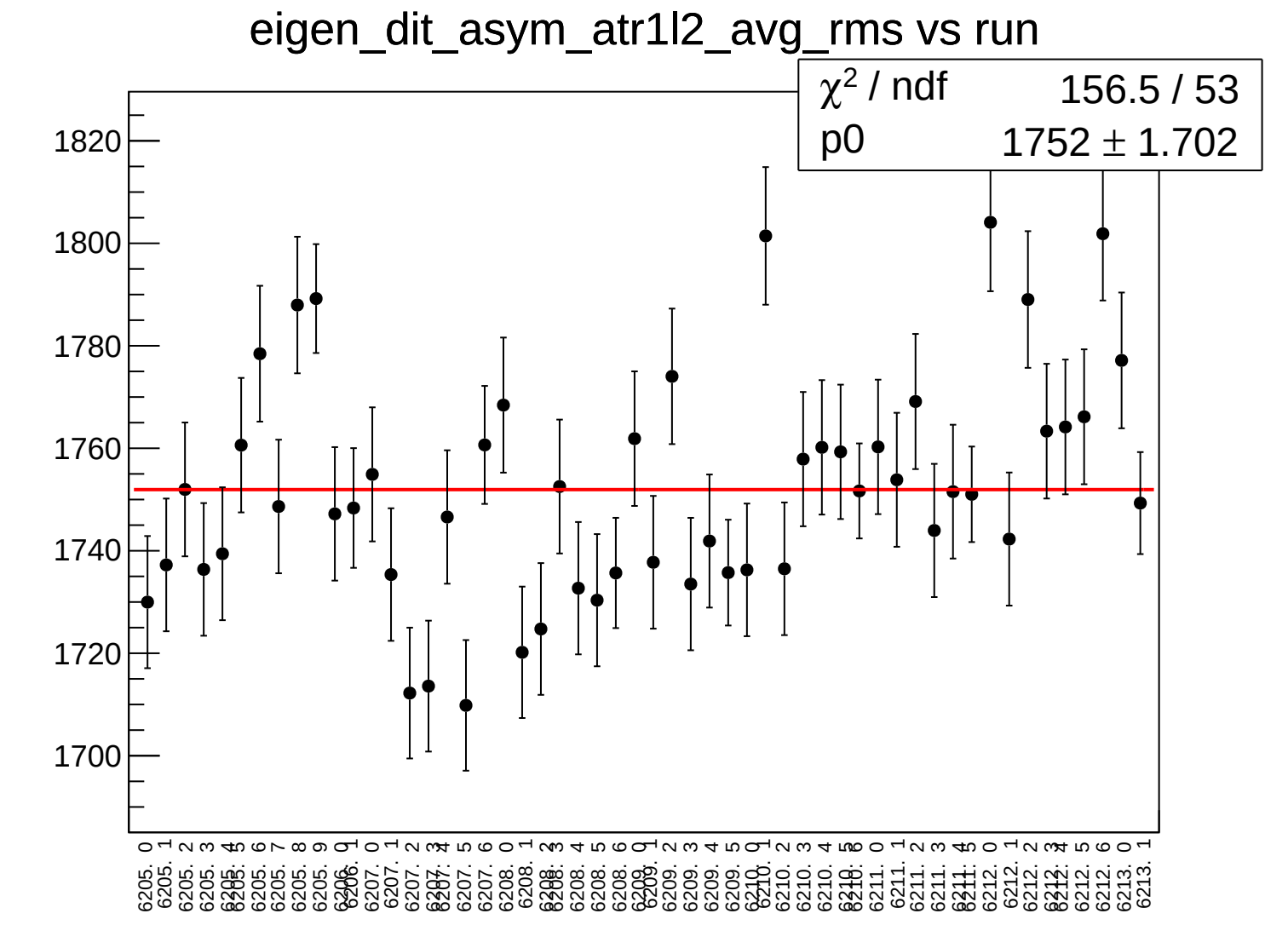

asym_atr1l2_avg_dit_correction_mean vs run
×10^3
χ² / ndf 43.87 / 53
p0 3907 ± 5134
150
100
50
0
−50
−100
pull
Entries 54
Mean −463
Std Dev 0
3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

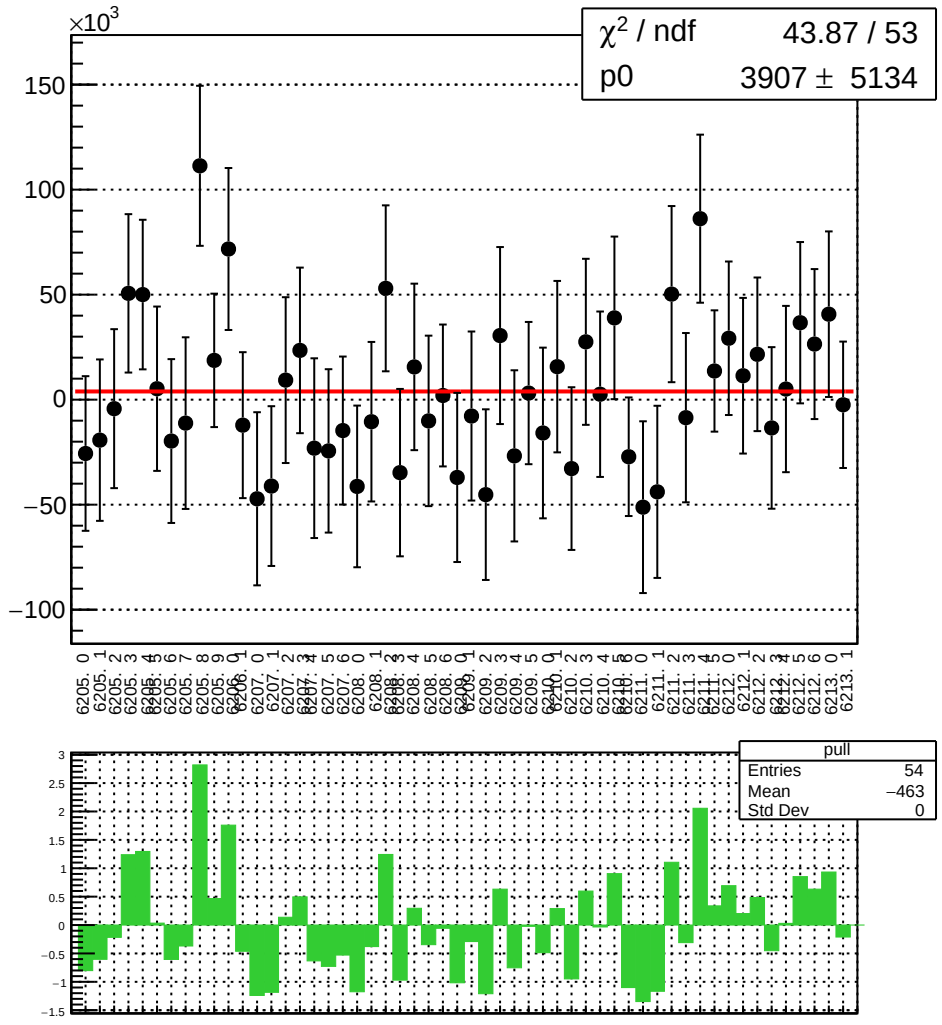

pull1D
Entries 54
Mean −0.002064
Std Dev 0.9013
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

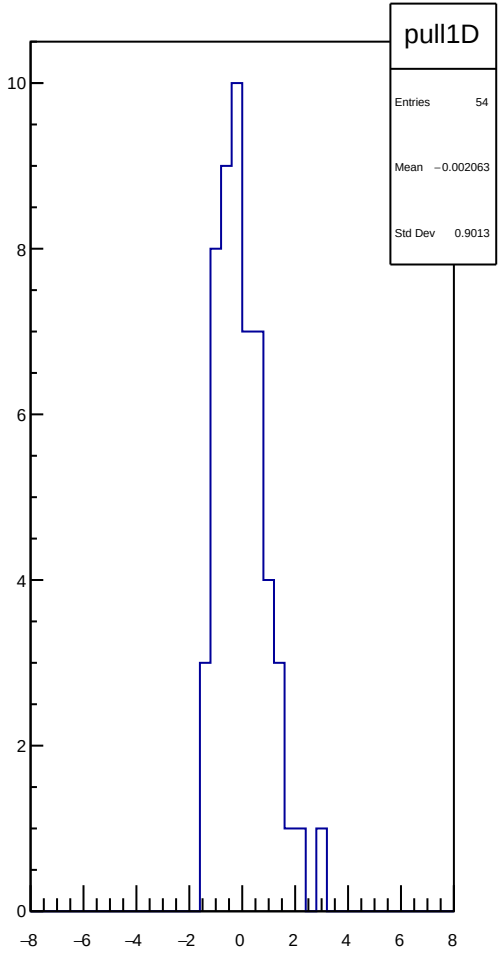

asym_atr1l2_avg_dit_correction_rms vs run
χ² / ndf 1583 / 53
p0 3734 ± 3.63
4100
4000
3900
3800
3700
3600
3500
3400
3300
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

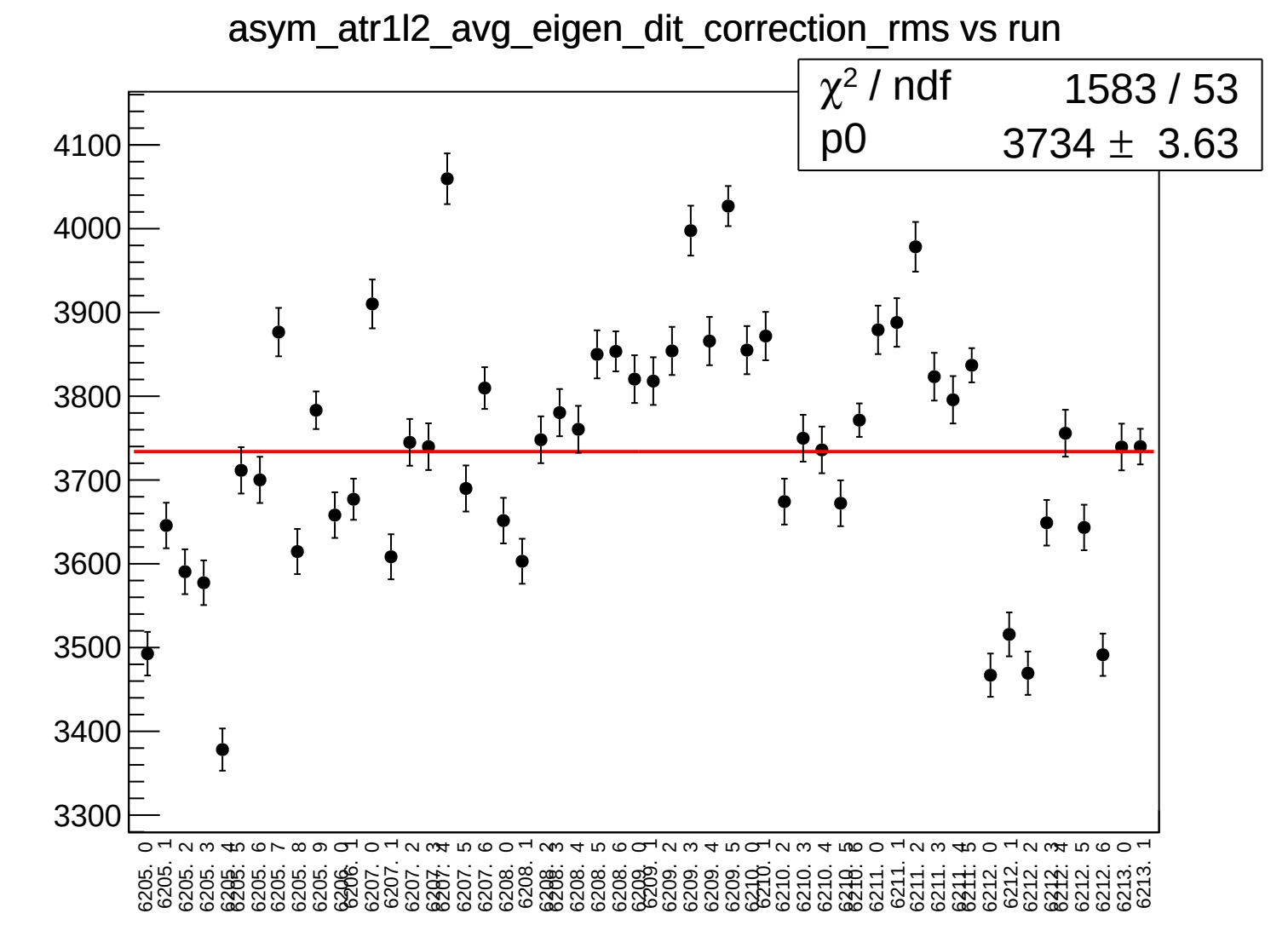

eigen_dit_asym_atr1l2_avg_mean vs run
χ² / ndf 56.47 / 53
p0 637.6 ± 2407
pull
Entries 54
Mean 278.1
Std Dev 0

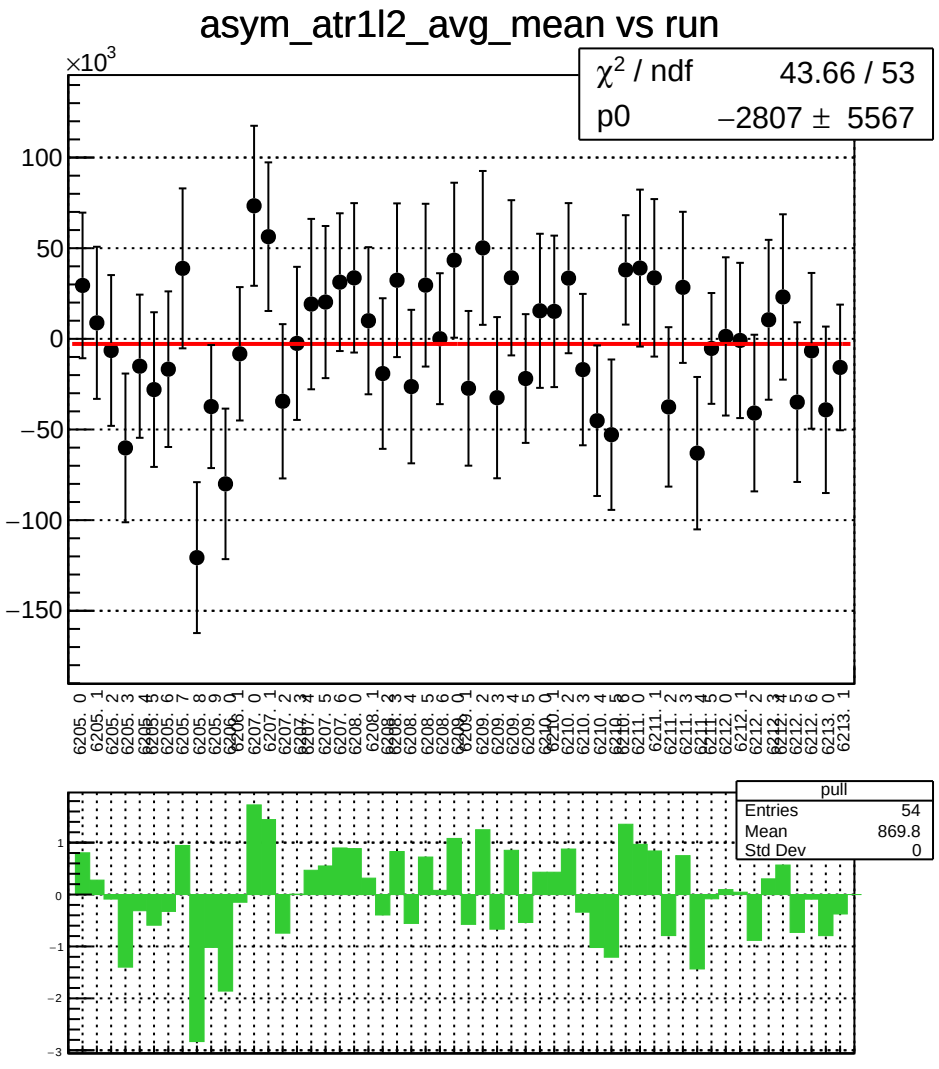

pull1D
Entries 54
Mean 0.009362
Std Dev 1.023

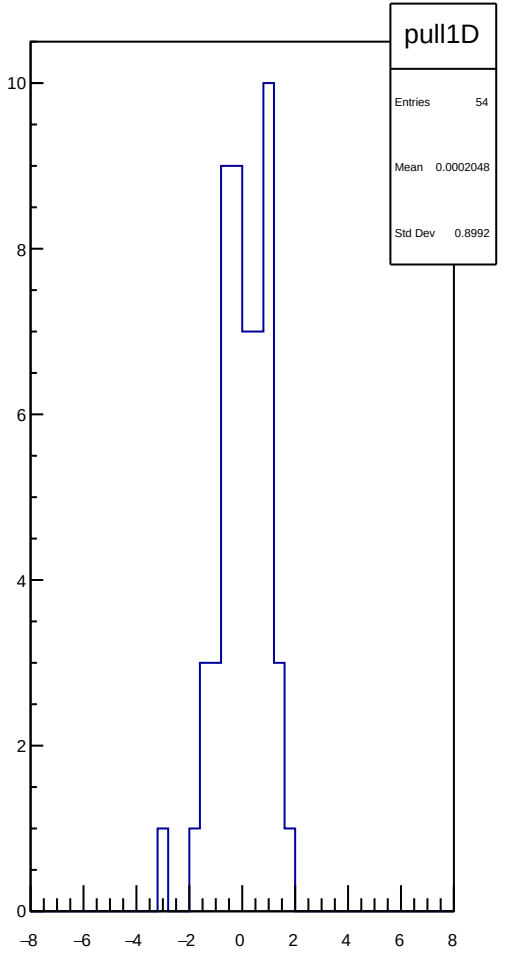

eigen_dit_asym_atr1l2_avg_rms vs run
χ² / ndf 156.5 / 53
p0 1752 ± 1.702
1820
1800
1780
1760
1740
1720
1700
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

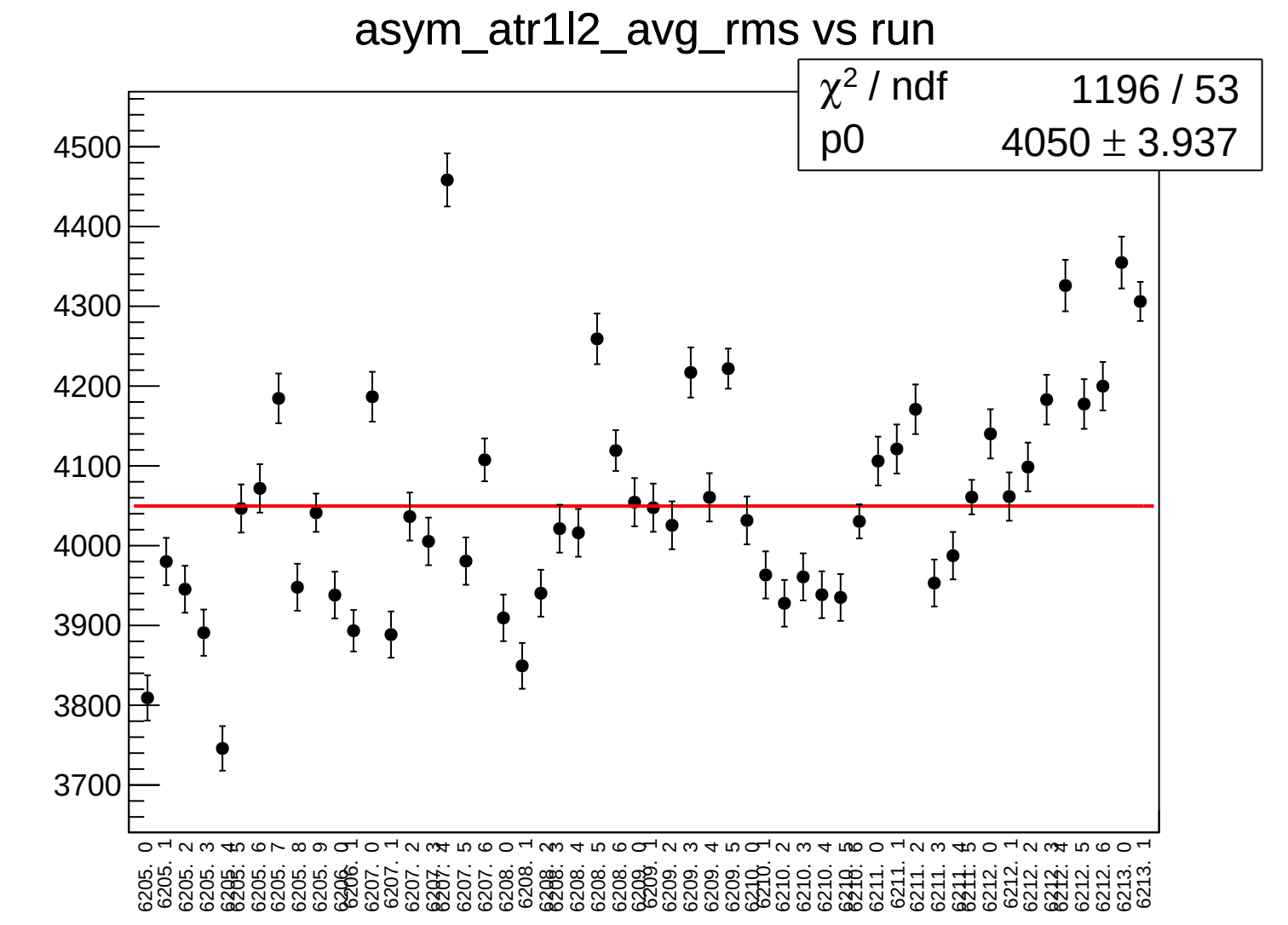

asym_atr1l2_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 43.87 / 53
p0 3907 ± 5134
150
100
50
0
−50
−100
pull
Entries 54
Mean −463
Std Dev 0
3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

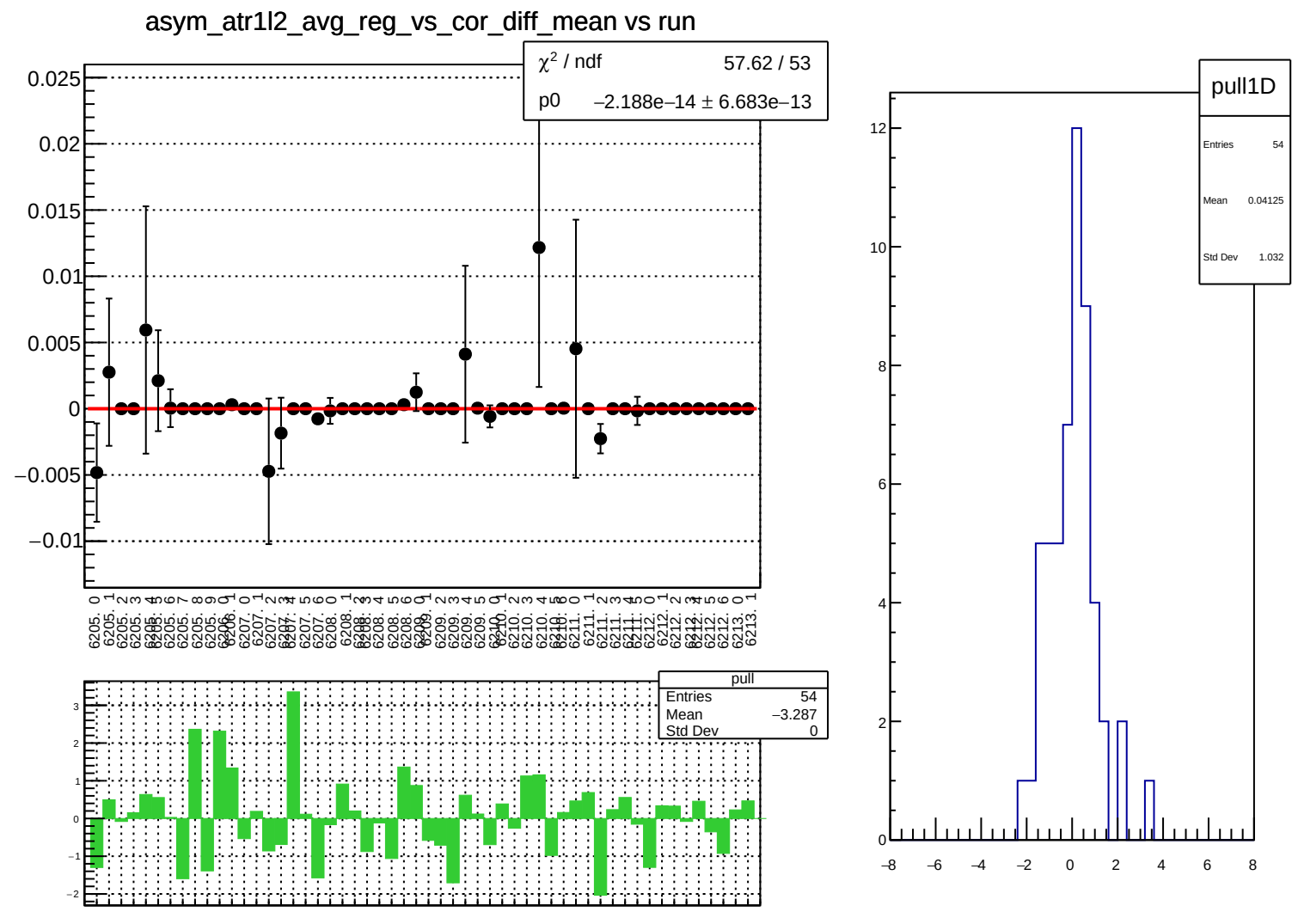

pull1D
Entries 54
Mean −0.002063
Std Dev 0.9013
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

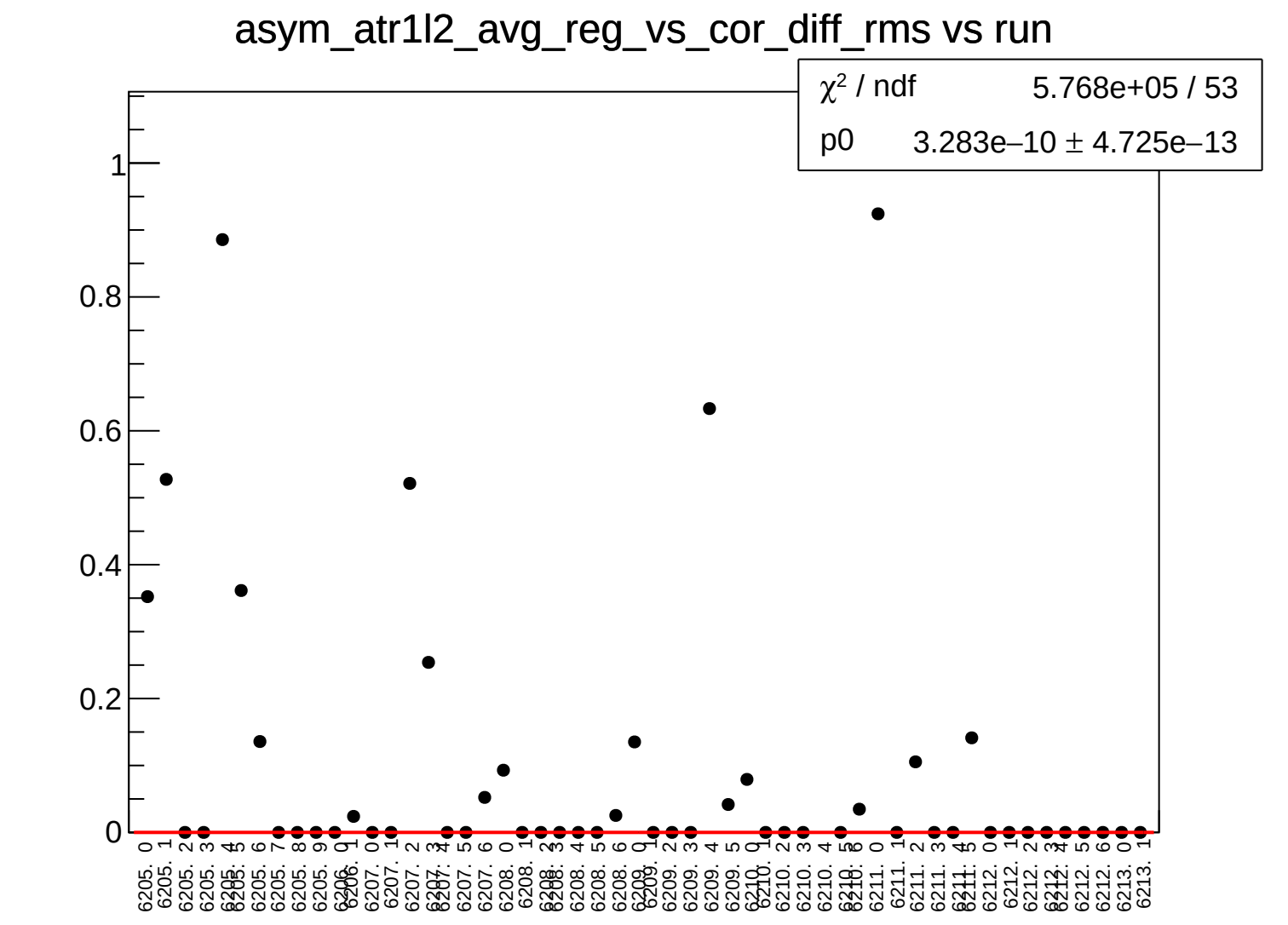

asym_atr1l2_avg_eigen_dit_correction_rms vs run
χ² / ndf 1583 / 53
p0 3734 ± 3.63
4100
4000
3900
3800
3700
3600
3500
3400
3300
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

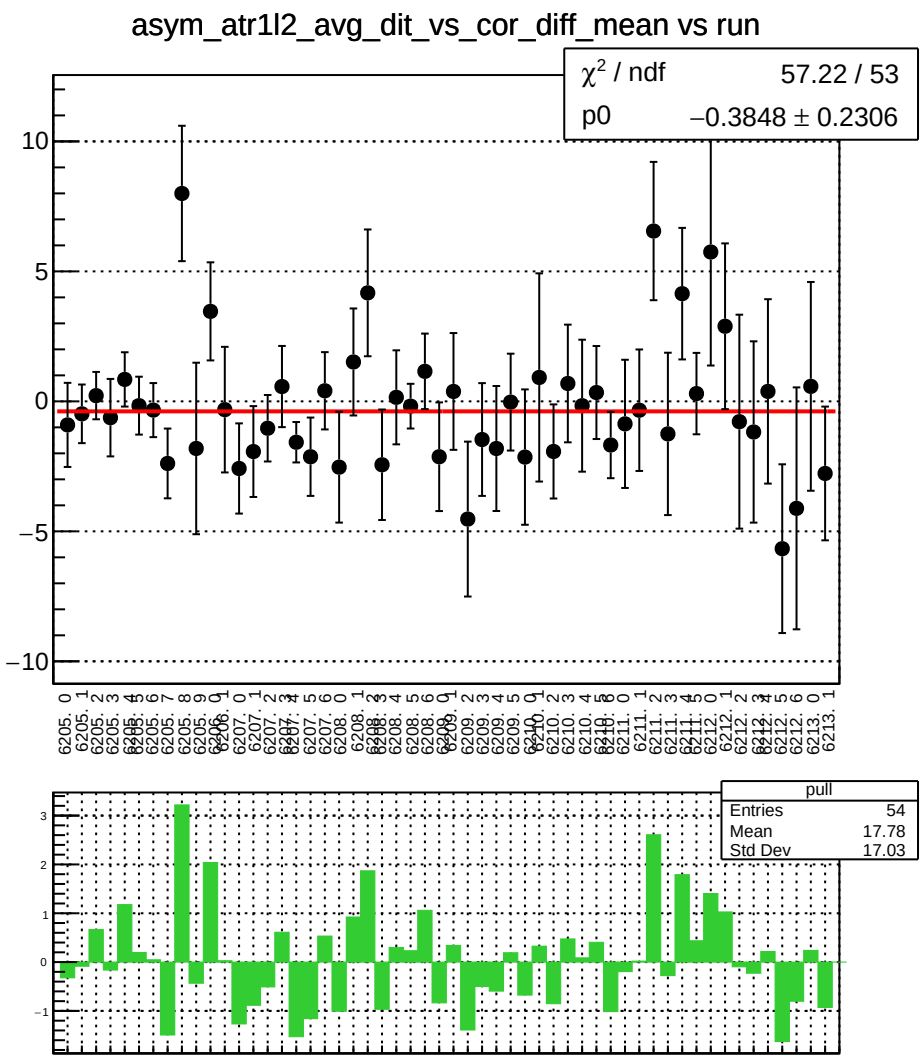

asym_atr1l2_avg_mean vs run
×10^3
χ² / ndf 43.66 / 53
p0 −2807 ± 5567
100
50
0
−50
−100
−150
pull
Entries 54
Mean 869.8
Std Dev 0
1
0
−1
−2
−3

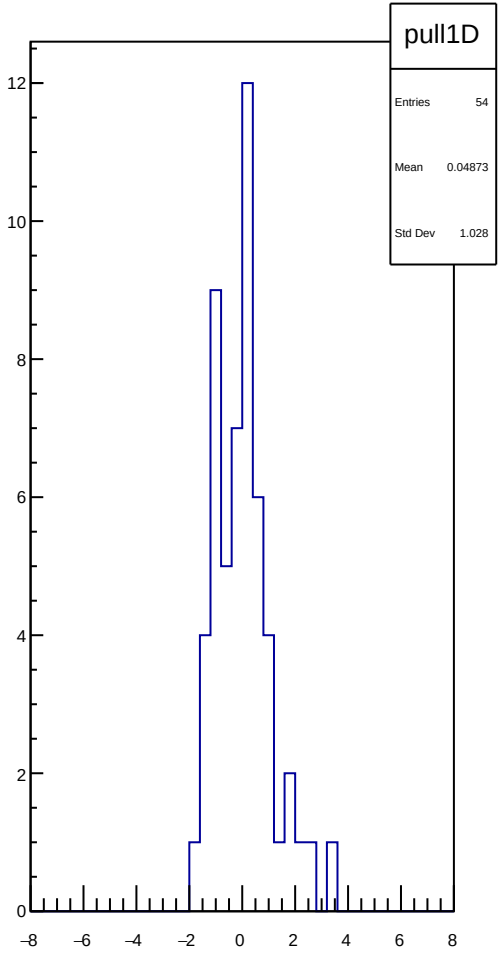

pull1D
Entries 54
Mean 0.0002048
Std Dev 0.8992
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

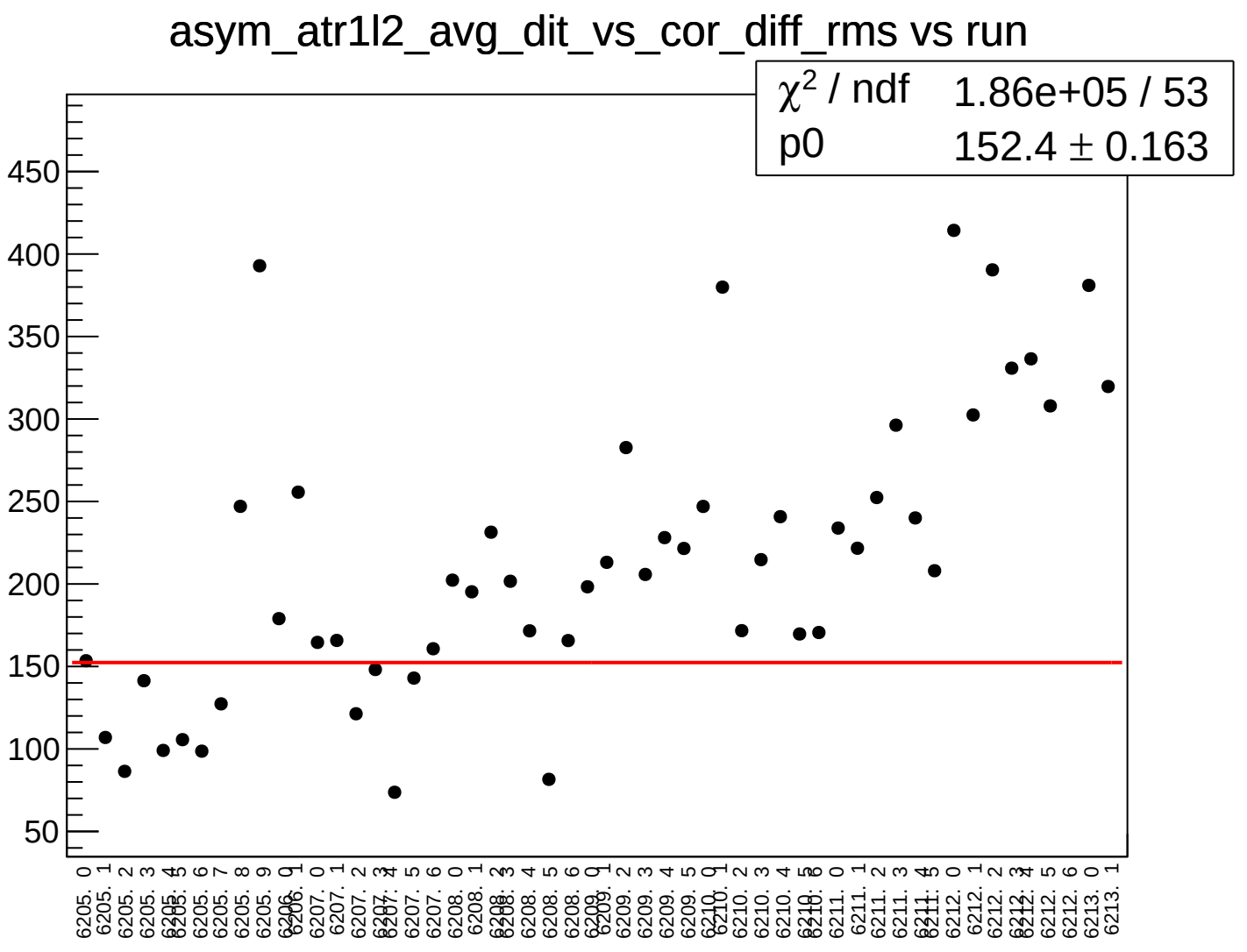

asym_atr1l2_avg_rms vs run
χ² / ndf 1196 / 53
p0 4050 ± 3.937
4500
4400
4300
4200
4100
4000
3900
3800
3700
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

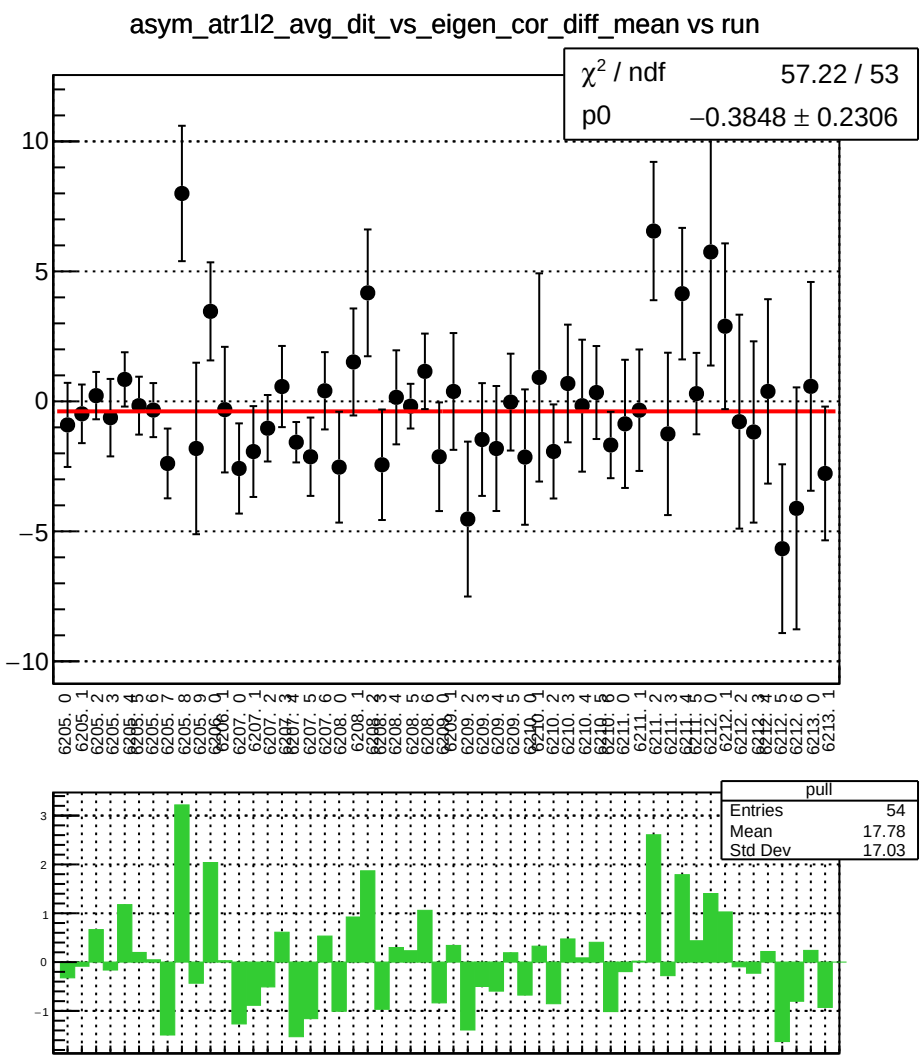

asym_atr1l2_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 57.62 / 53
p0 −2.188e−14 ± 6.683e−13
pull
Entries 54
Mean −3.287
Std Dev 0
pull1D
Entries 54
Mean 0.04125
Std Dev 1.032

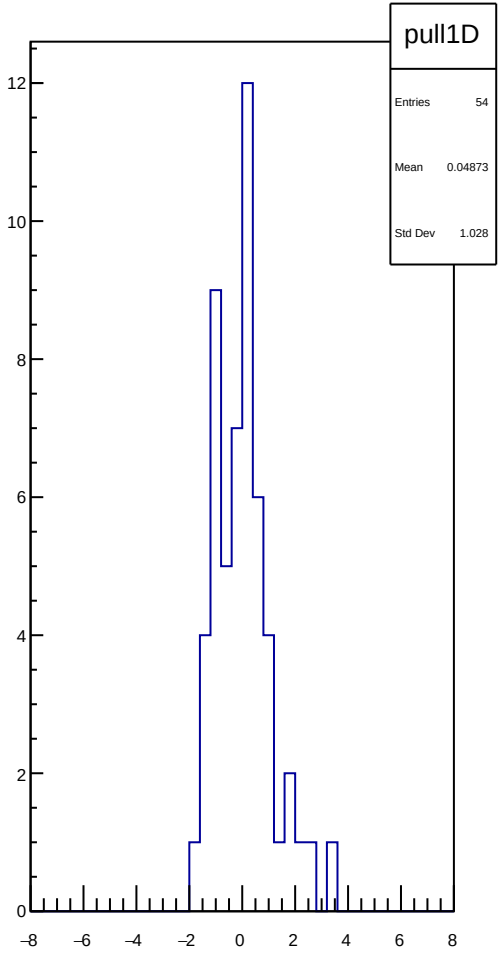

asym_atr1l2_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 5.768e+05 / 53
p0 3.283e−10 ± 4.725e−13
1
0.8
0.6
0.4
0.2
0

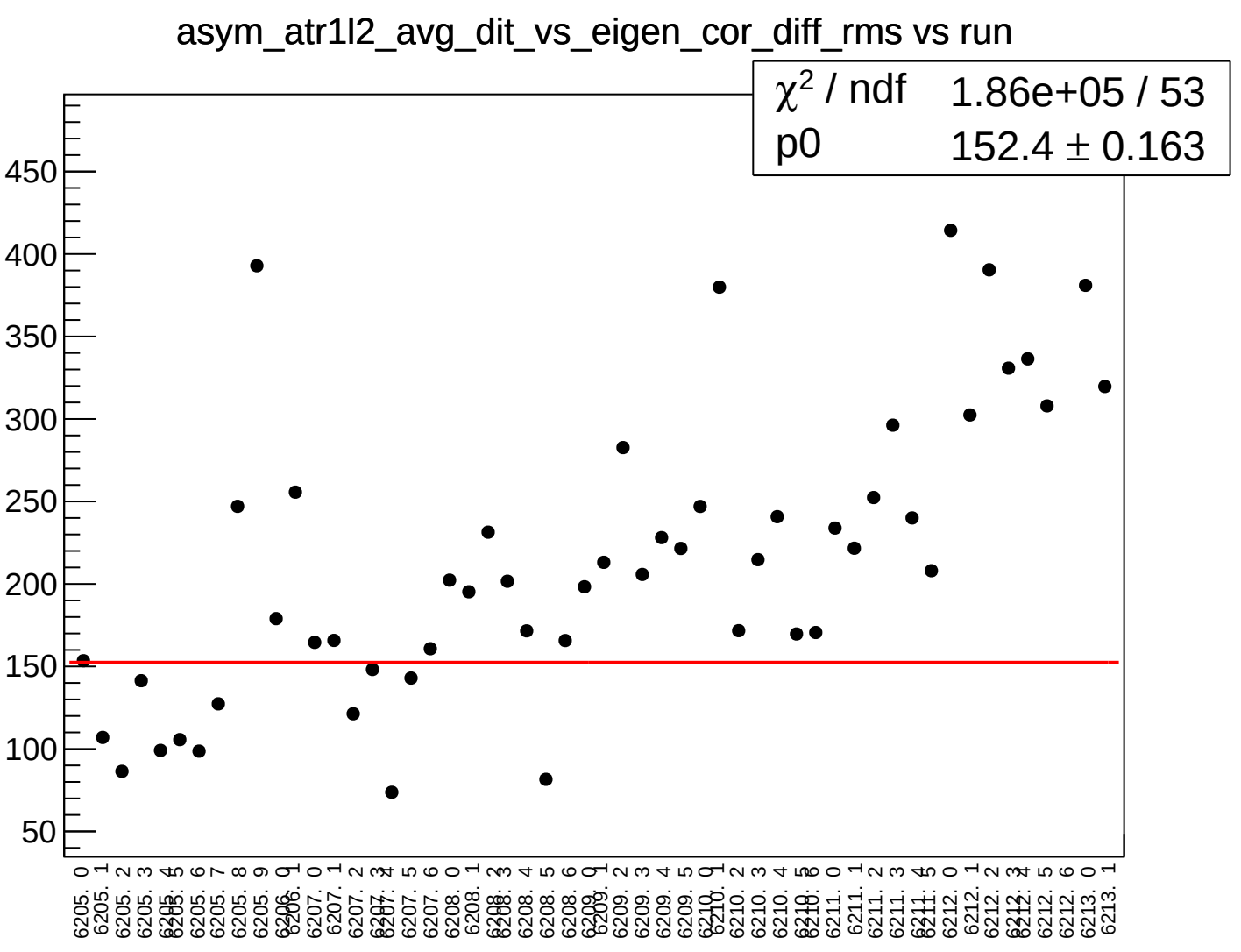

asym_atr1l2_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 57.22 / 53
p0 −0.3848 ± 0.2306
pull
Entries 54
Mean 17.78
Std Dev 17.03

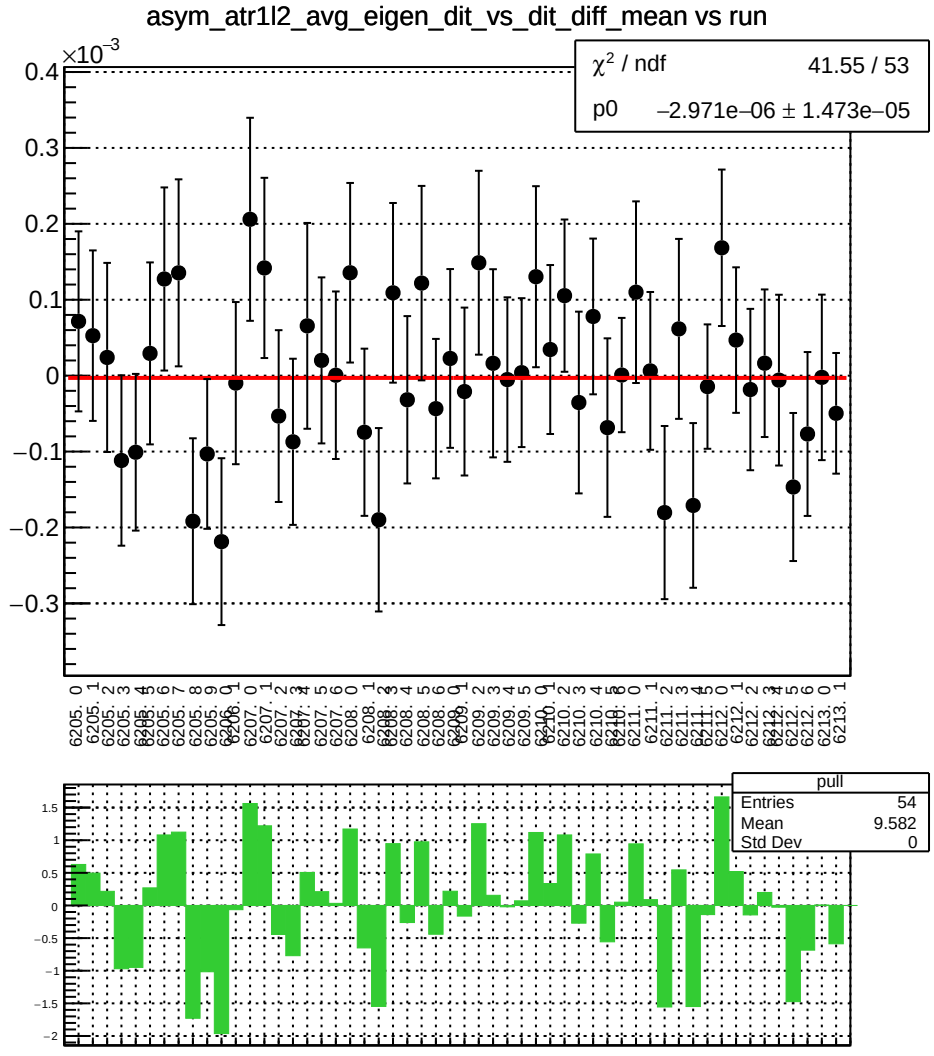

pull1D
Entries 54
Mean 0.04873
Std Dev 1.028

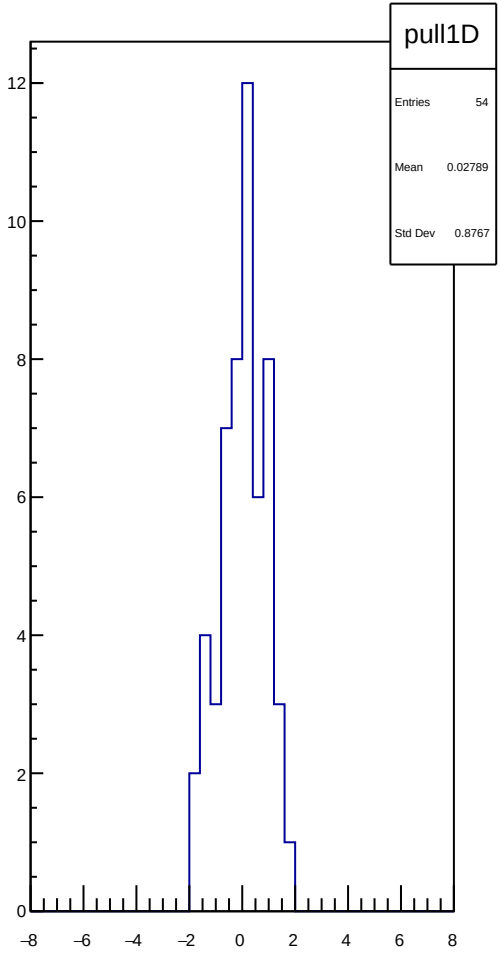

asym_atr1l2_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.86e+05 / 53
p0 152.4 ± 0.163
450
400
350
300
250
200
150
100
50
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

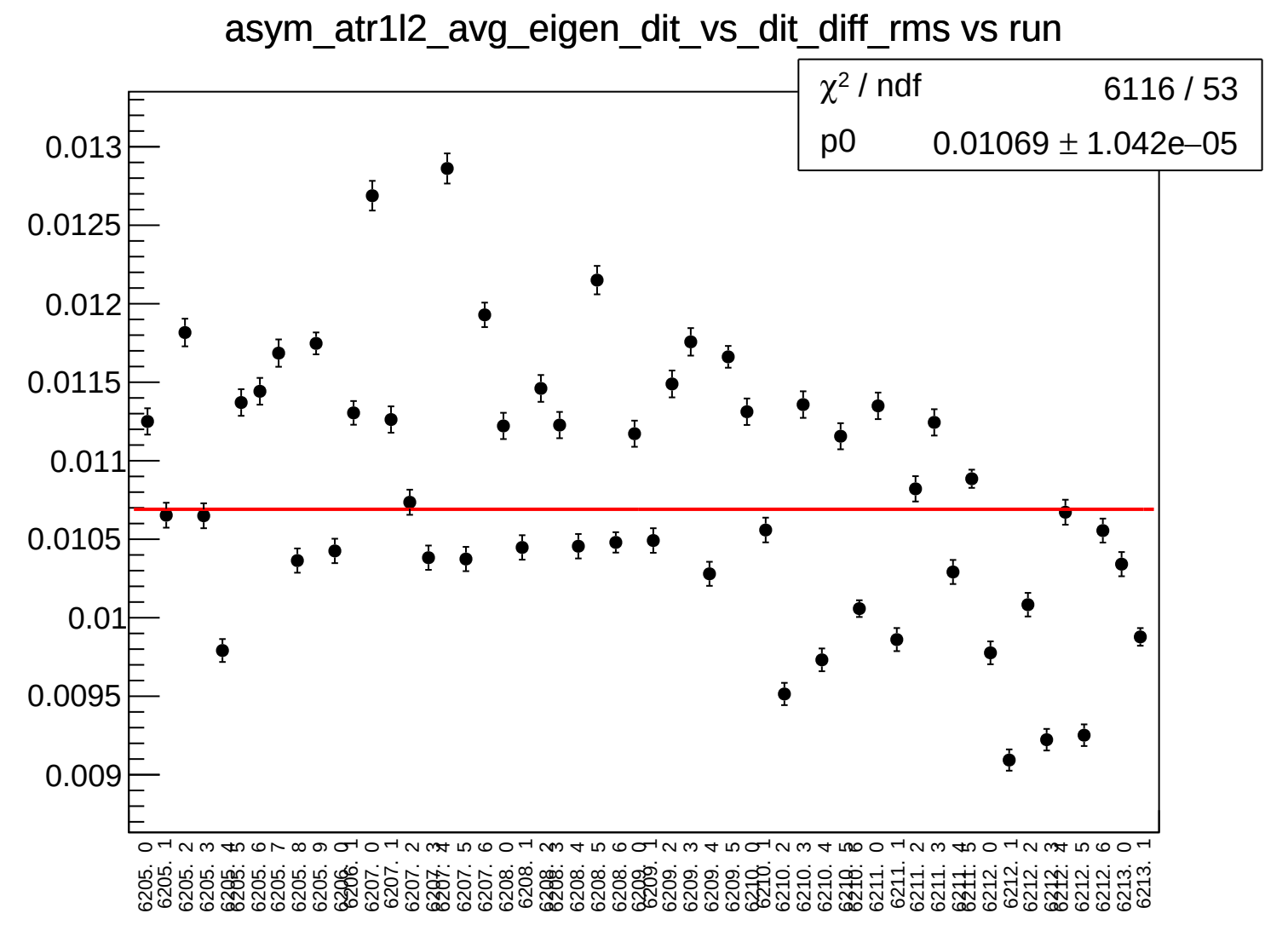

asym_atr1l2_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 57.22 / 53
p0 −0.3848 ± 0.2306
pull
Entries 54
Mean 17.78
Std Dev 17.03

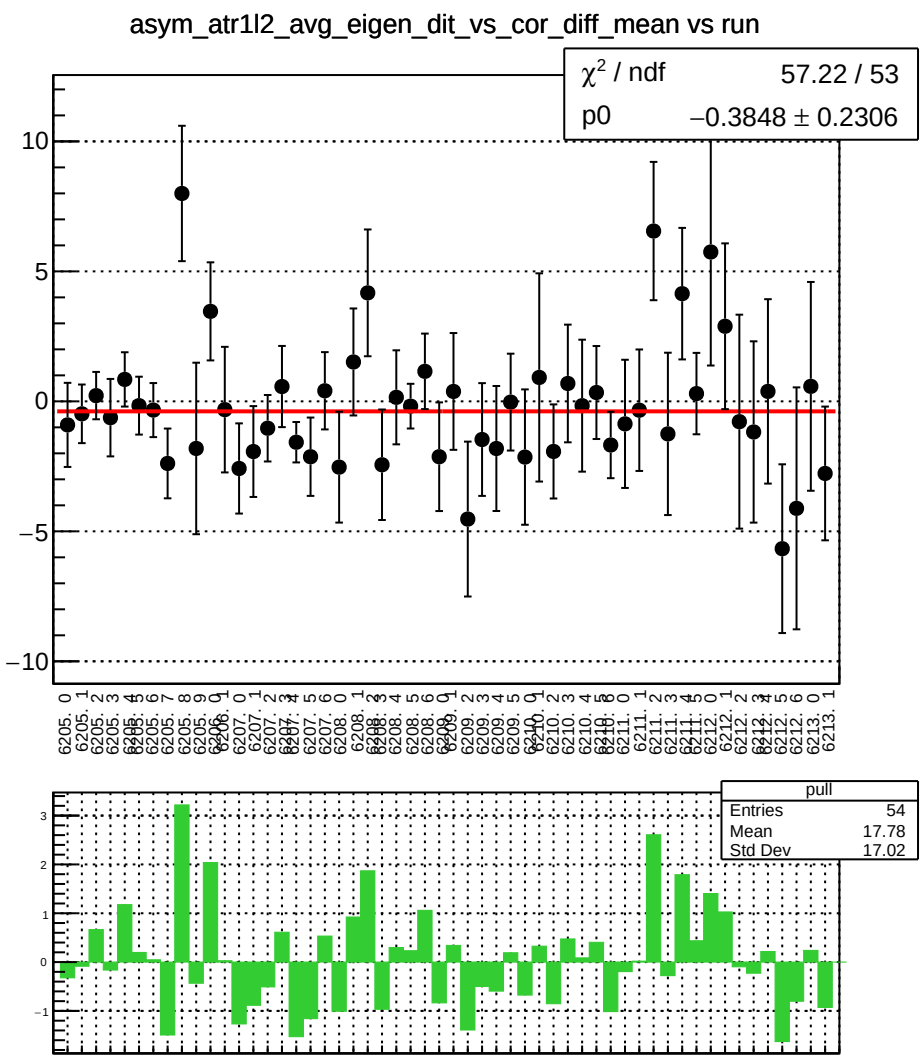

pull1D
Entries 54
Mean 0.04873
Std Dev 1.028

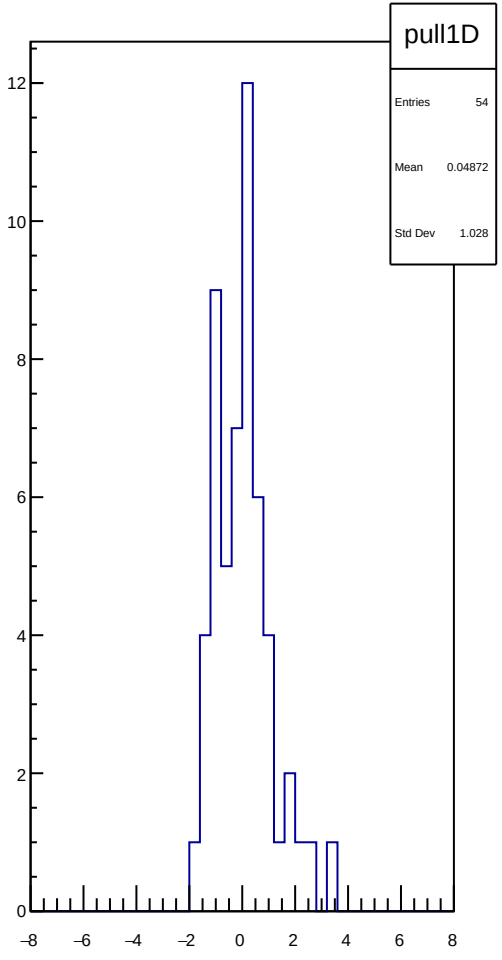

asym_atr1l2_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.86e+05 / 53
p0 152.4 ± 0.163
450
400
350
300
250
200
150
100
50
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

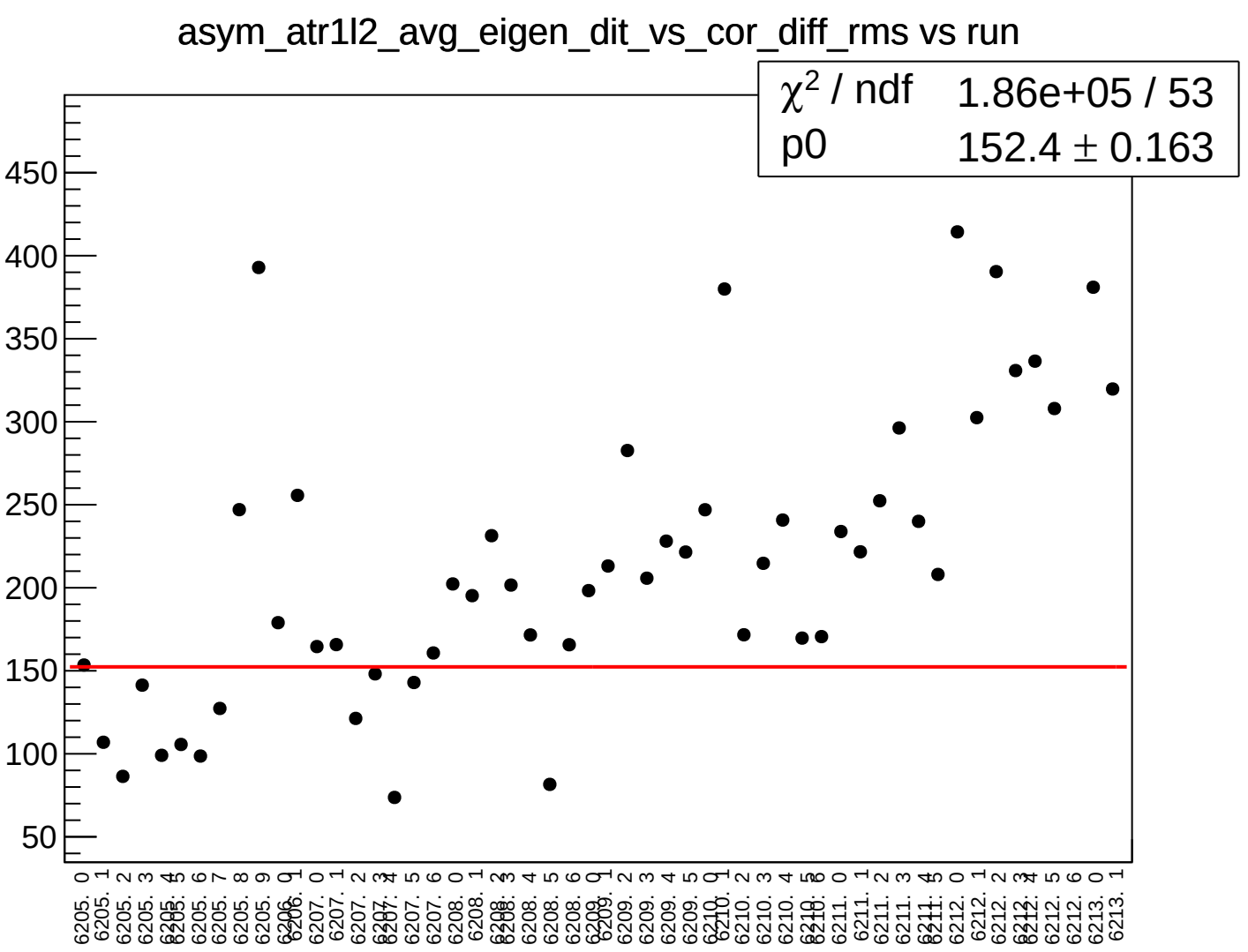

asym_atr1l2_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 41.55 / 53
p0 −2.971e−06 ± 1.473e−05
pull
Entries 54
Mean 9.582
Std Dev 0

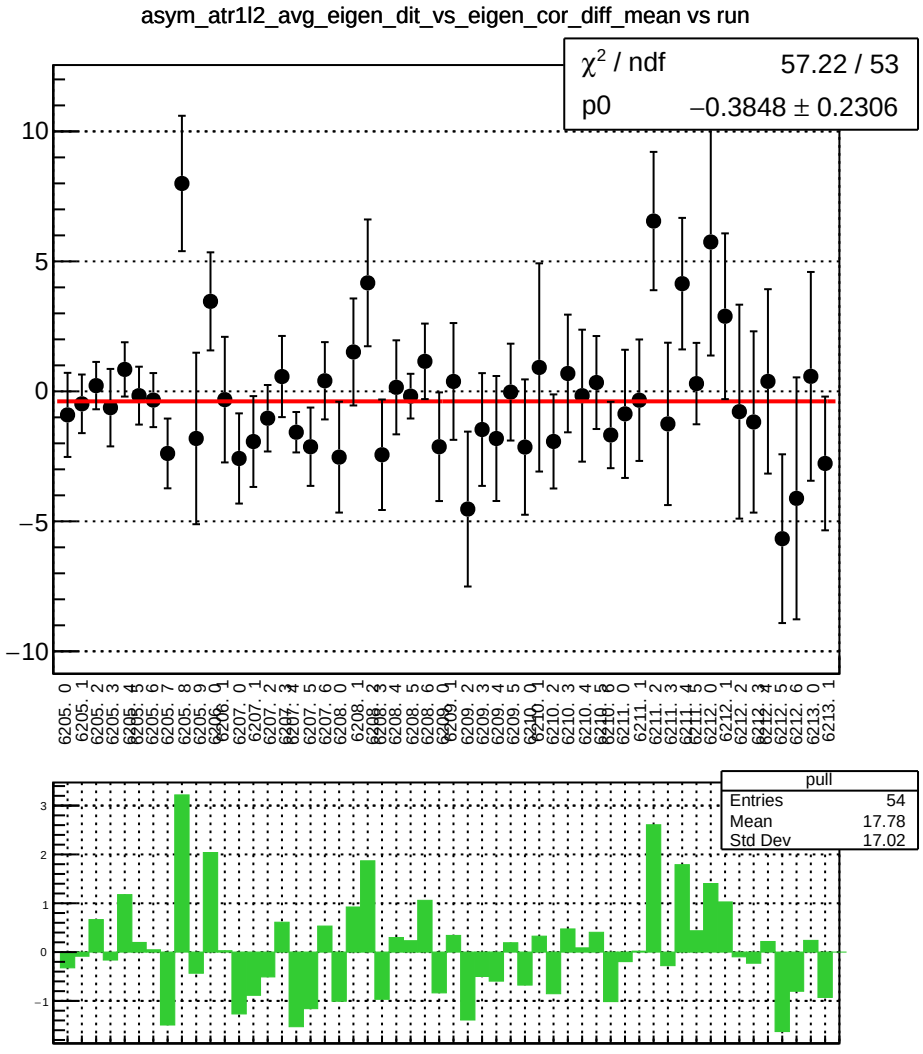

pull1D
Entries 54
Mean 0.02789
Std Dev 0.8767

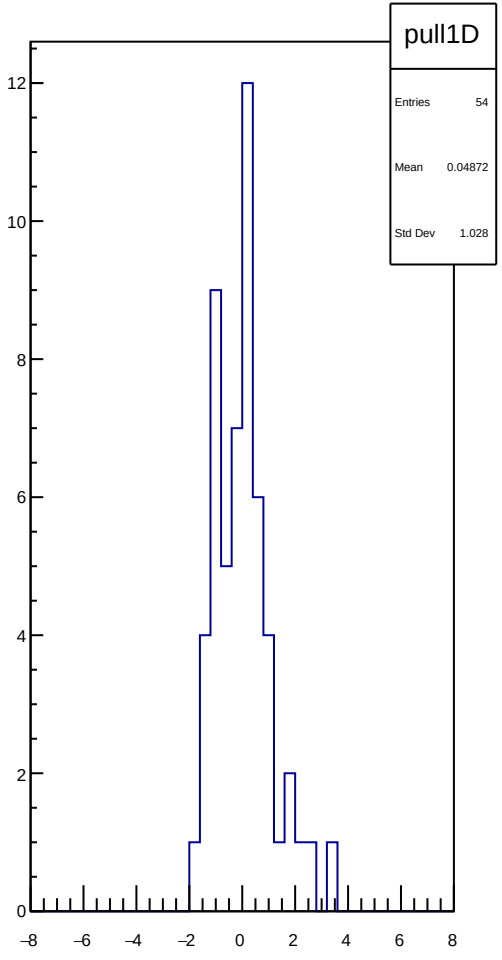

asym_atr1l2_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 6116 / 53
p0 0.01069 ± 1.042e−05
0.013
0.0125
0.012
0.0115
0.011
0.0105
0.01
0.0095
0.009
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

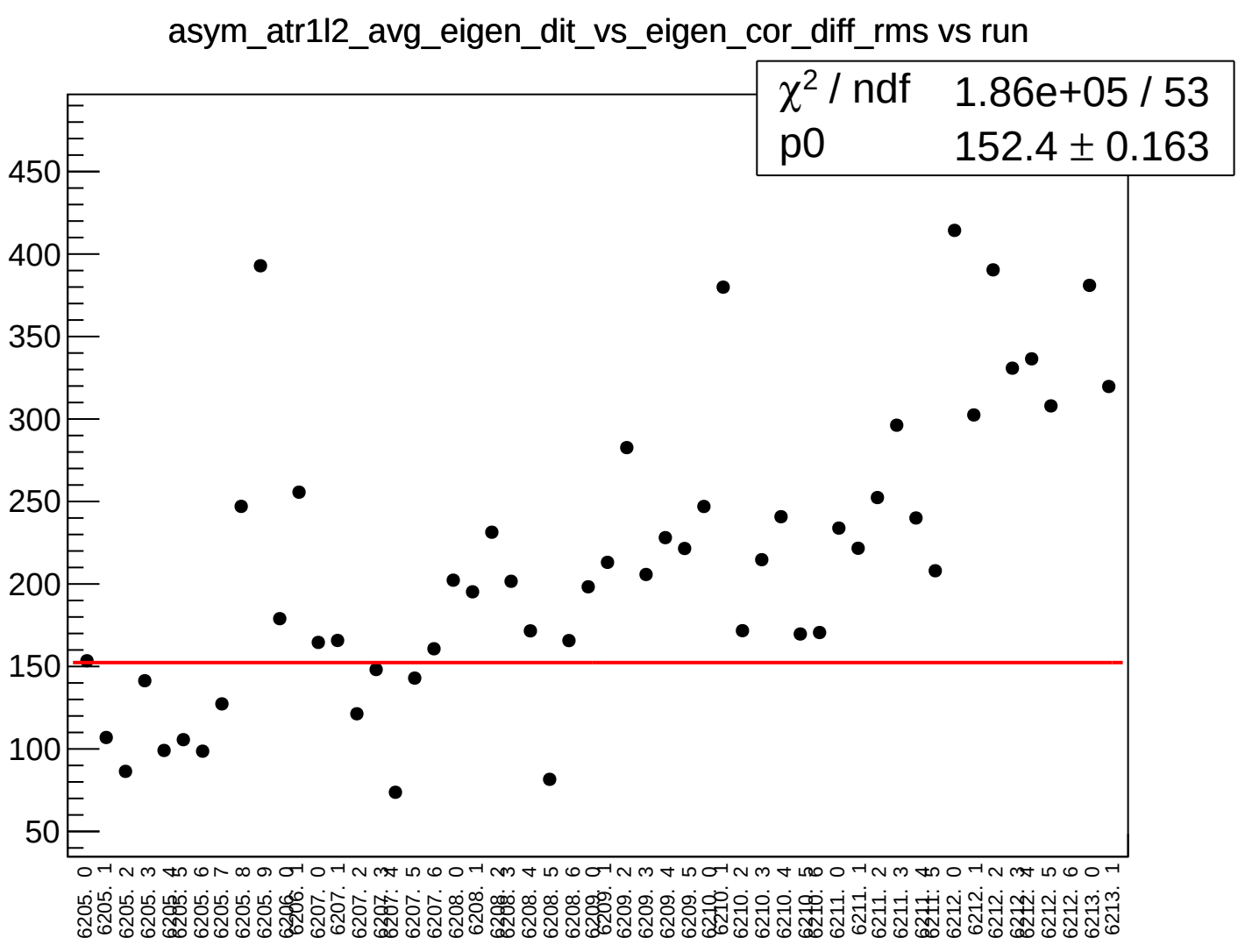

asym_atr1l2_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 57.22 / 53
p0 −0.3848 ± 0.2306
pull
Entries 54
Mean 17.78
Std Dev 17.02

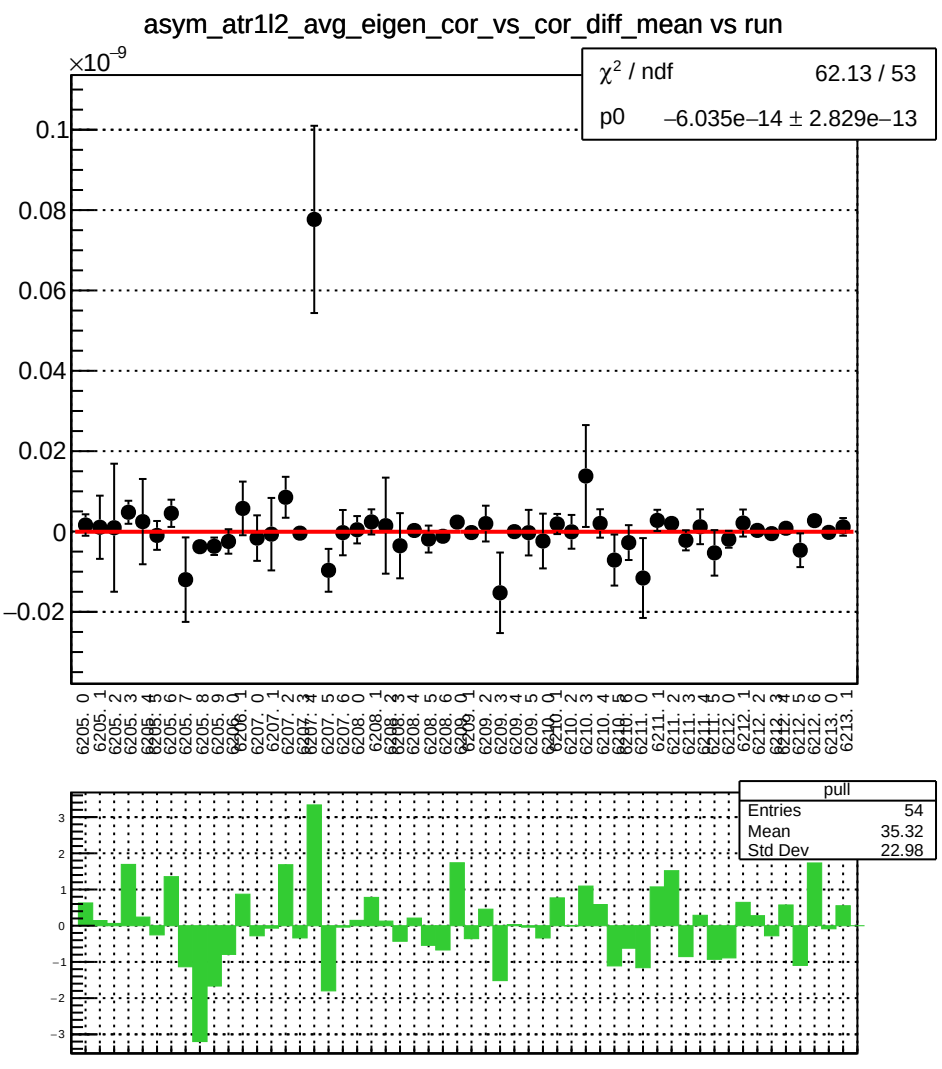

pull1D
Entries 54
Mean 0.04872
Std Dev 1.028

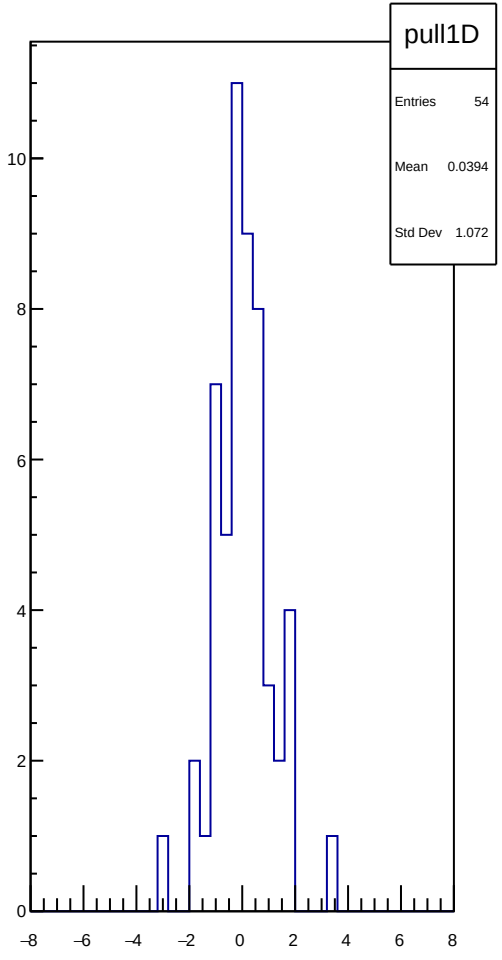

asym_atr1l2_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.86e+05 / 53
p0 152.4 ± 0.163
450
400
350
300
250
200
150
100
50
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

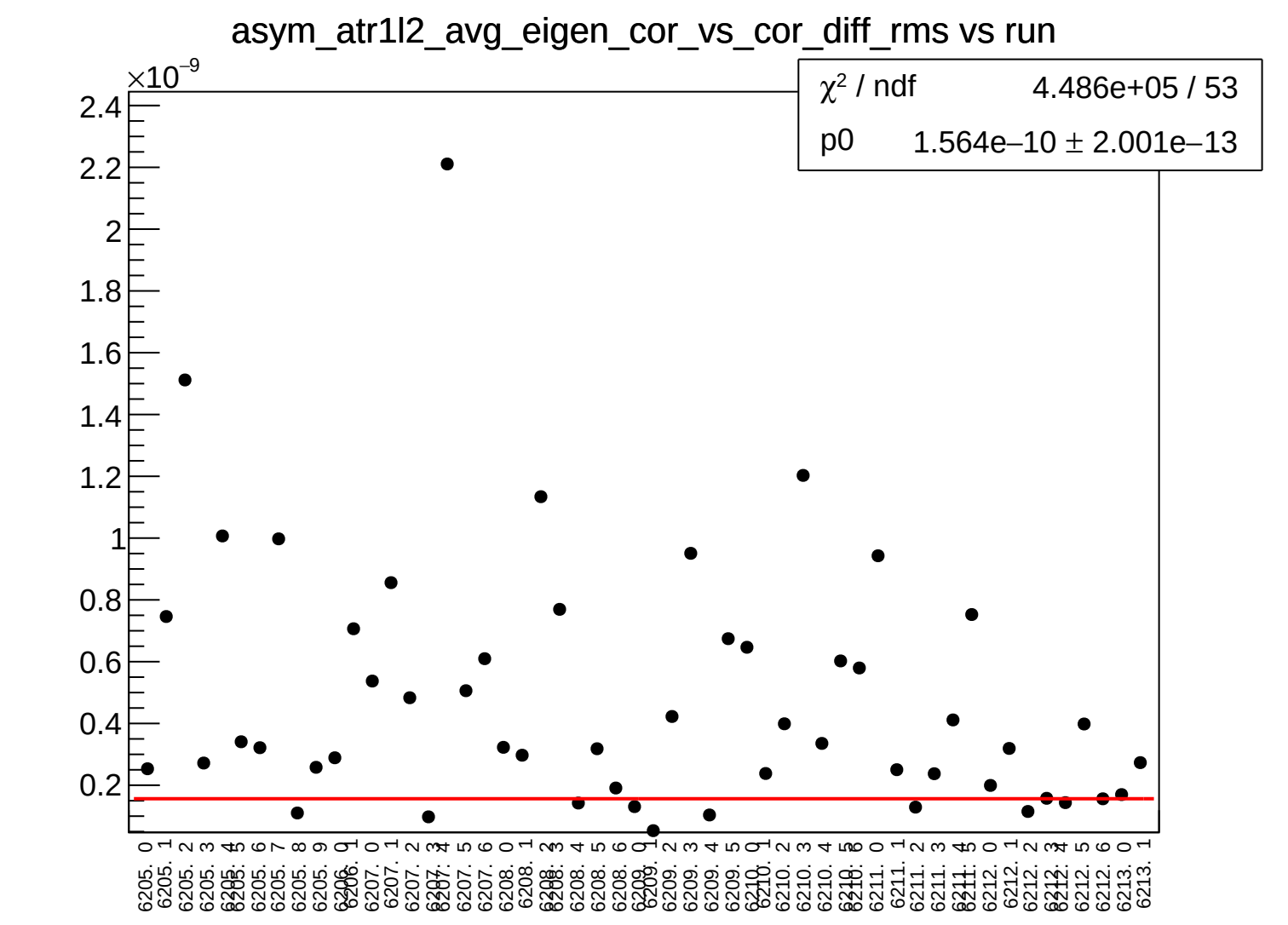

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 57.22 / 53
p0 −0.3848 ± 0.2306
pull
Entries 54
Mean 17.78
Std Dev 17.02

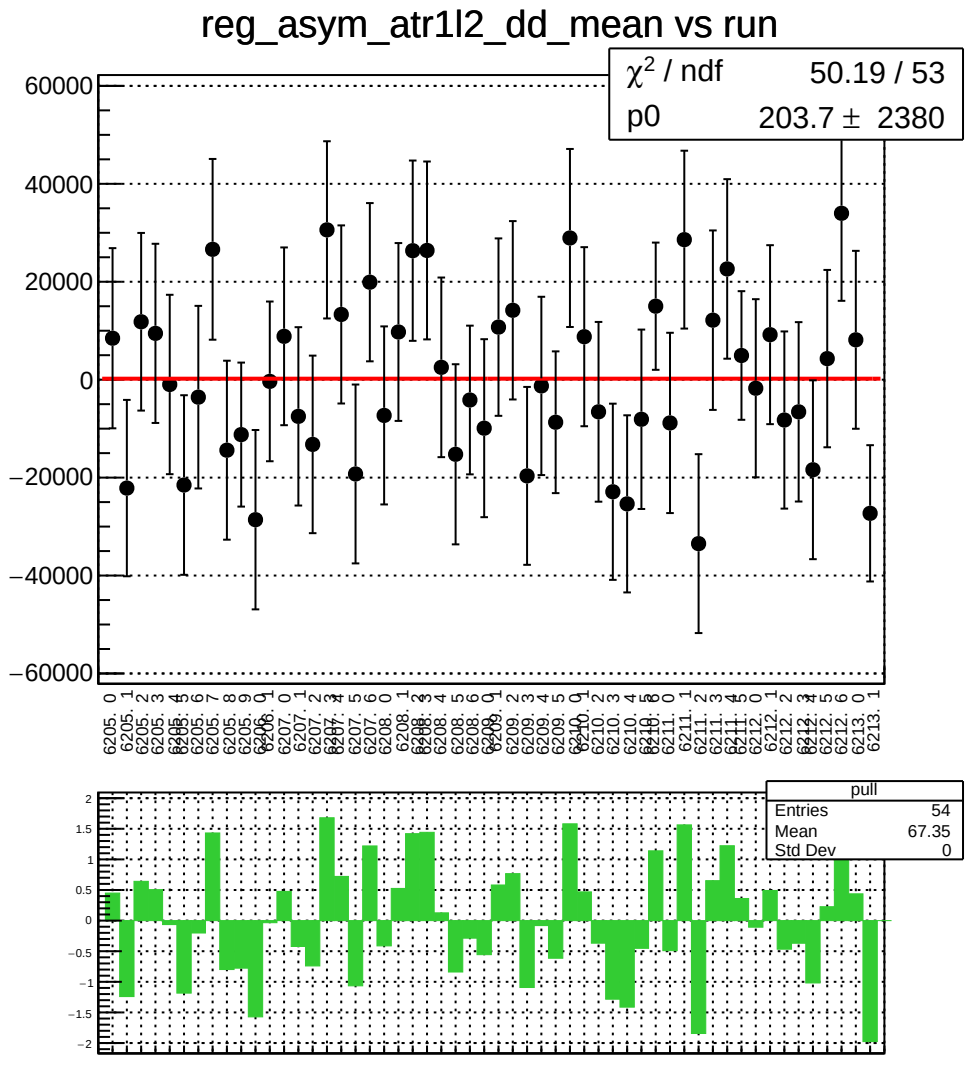

pull1D
Entries 54
Mean 0.04872
Std Dev 1.028

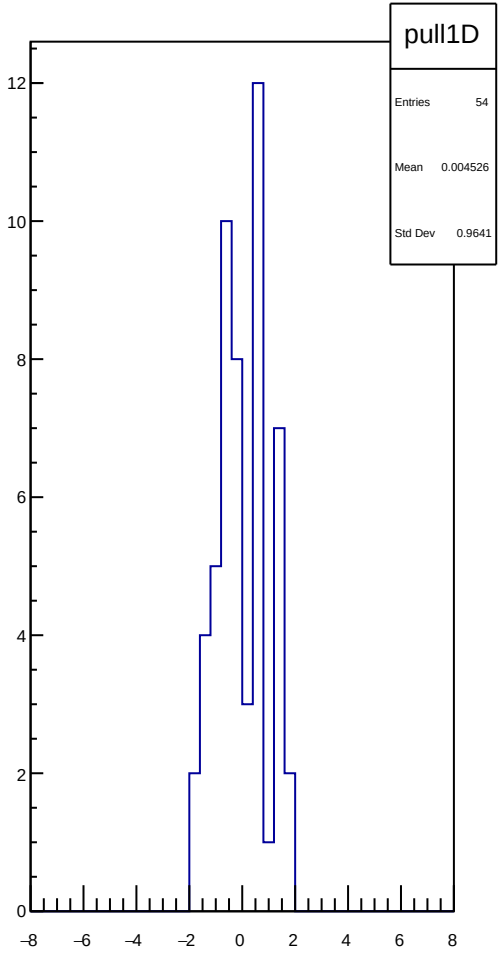

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.86e+05 / 53
p0 152.4 ± 0.163
450
400
350
300
250
200
150
100
50
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

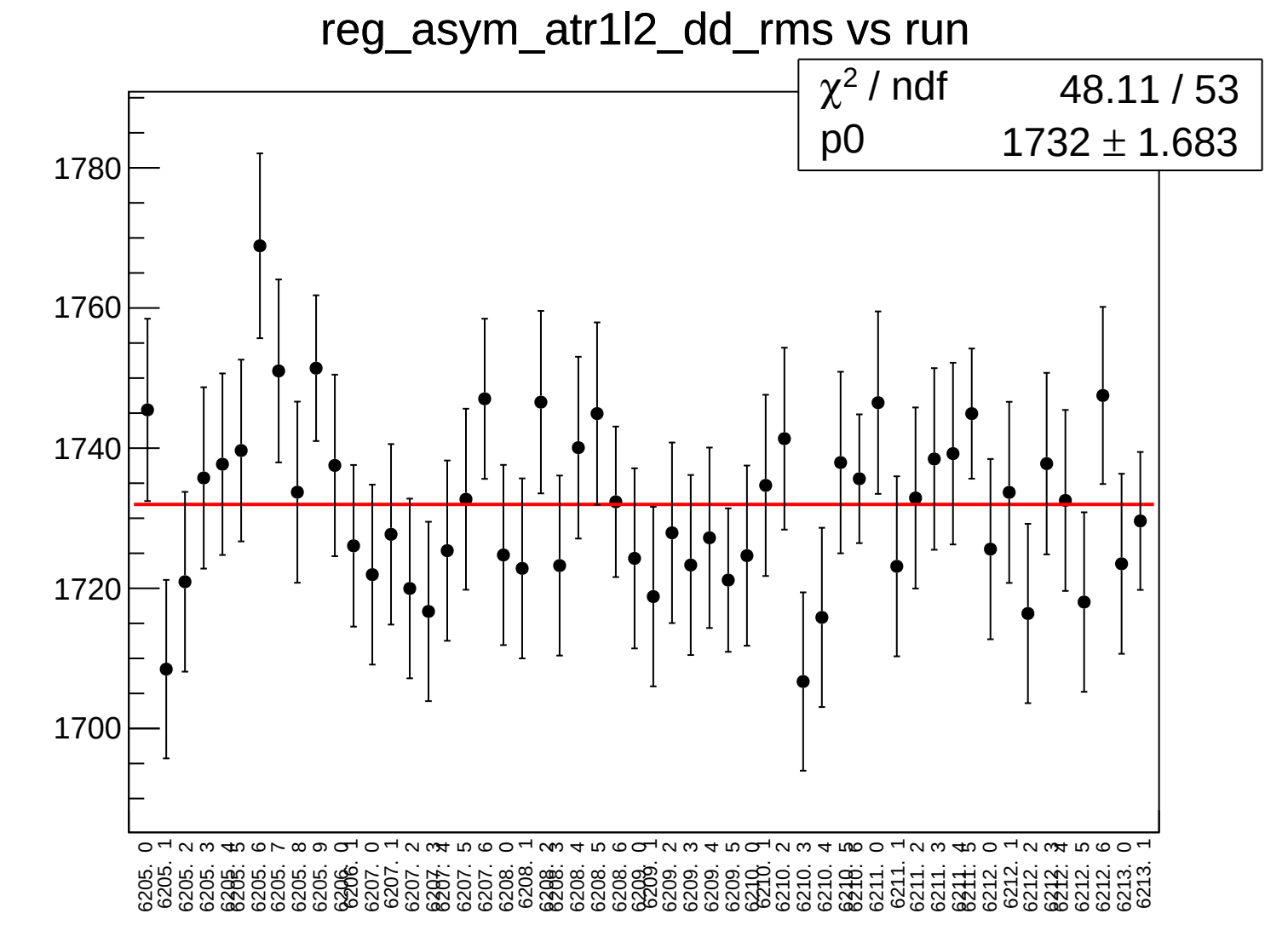

asym_atr1l2_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻⁹
χ² / ndf 62.13 / 53
p0 −6.035e−14 ± 2.829e−13
pull
Entries 54
Mean 35.32
Std Dev 22.98

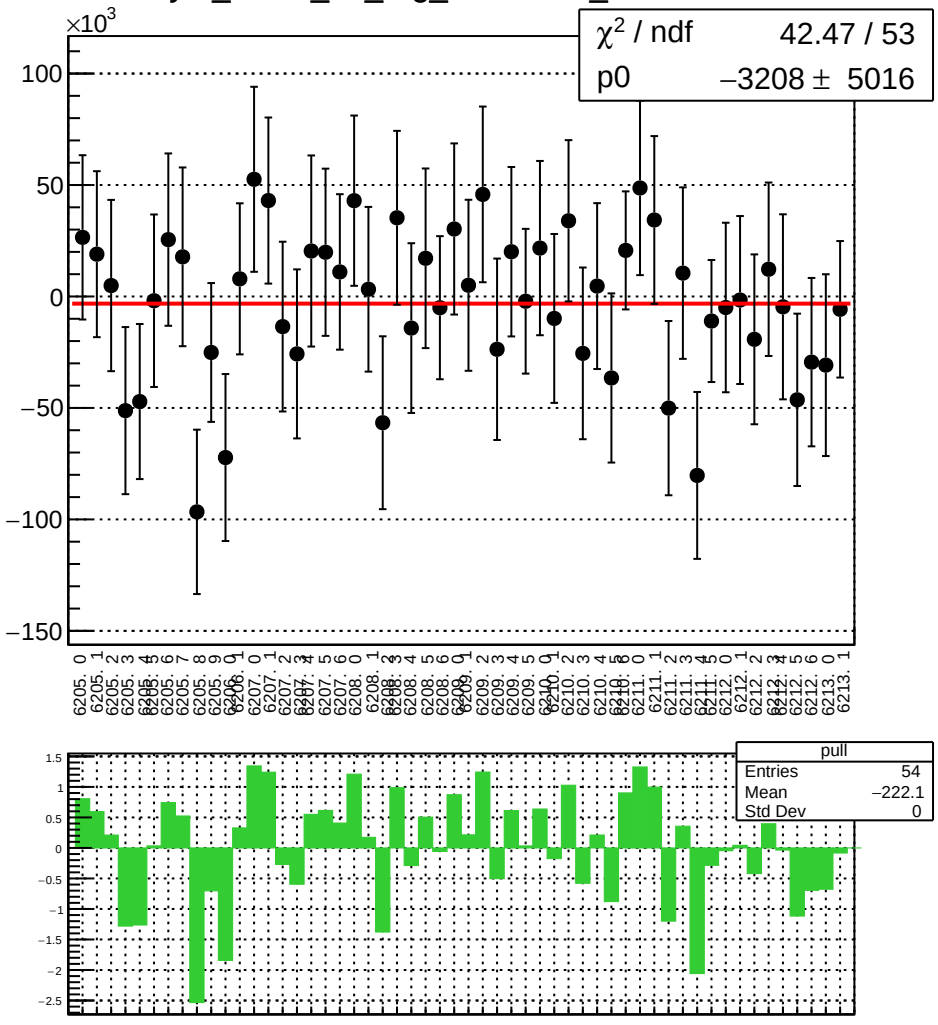

pull1D
Entries 54
Mean 0.0394
Std Dev 1.072

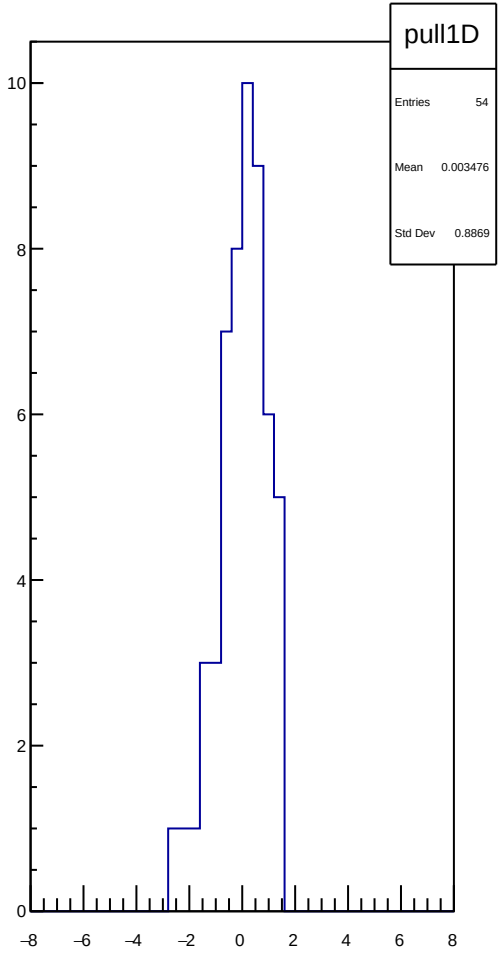

asym_atr1l2_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.486e+05 / 53
p0 1.564e−10 ± 2.001e−13
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2

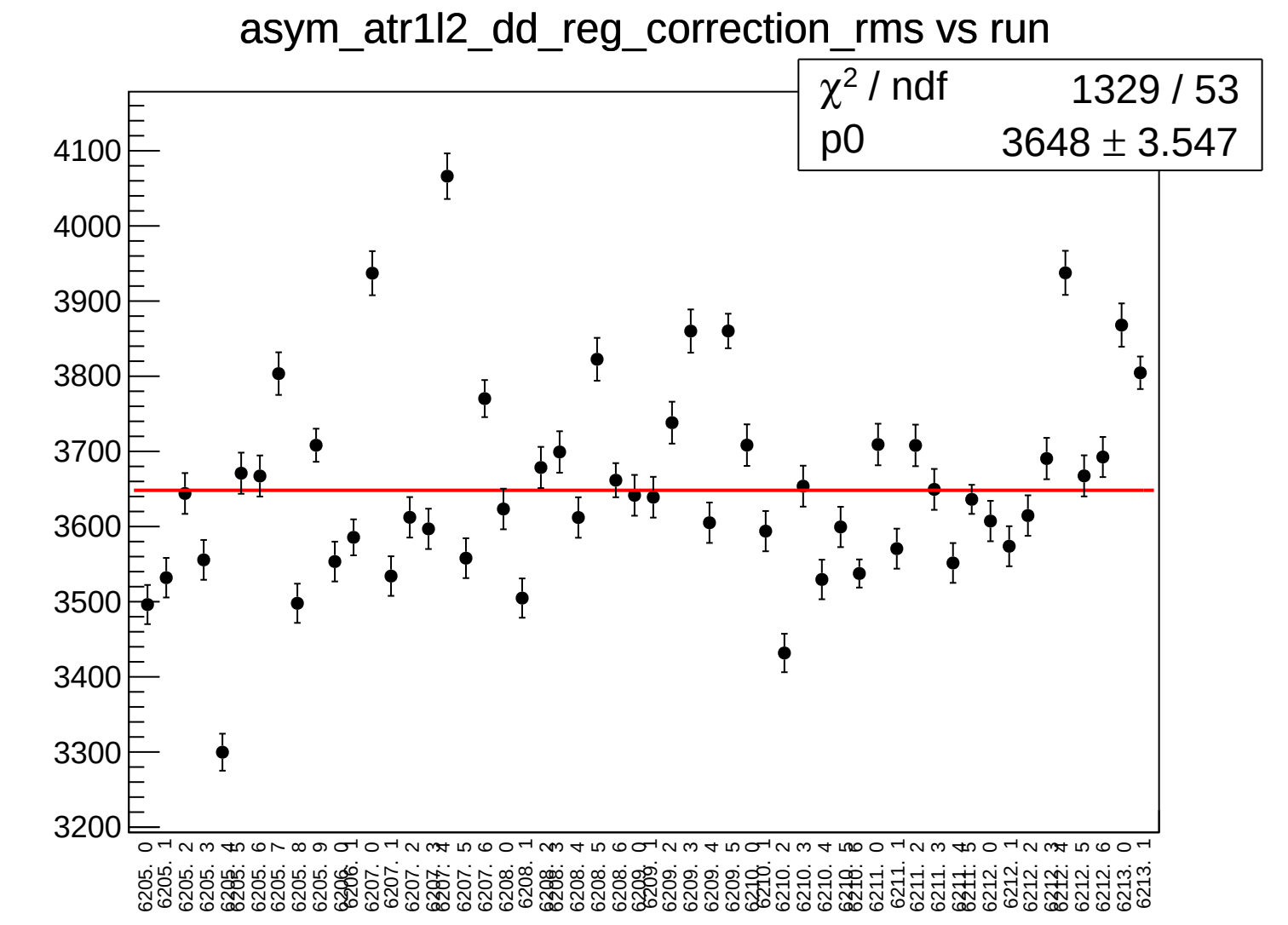

reg_asym_atr1l2_dd_mean vs run
χ² / ndf 50.19 / 53
p0 203.7 ± 2380
pull
Entries 54
Mean 67.35
Std Dev 0

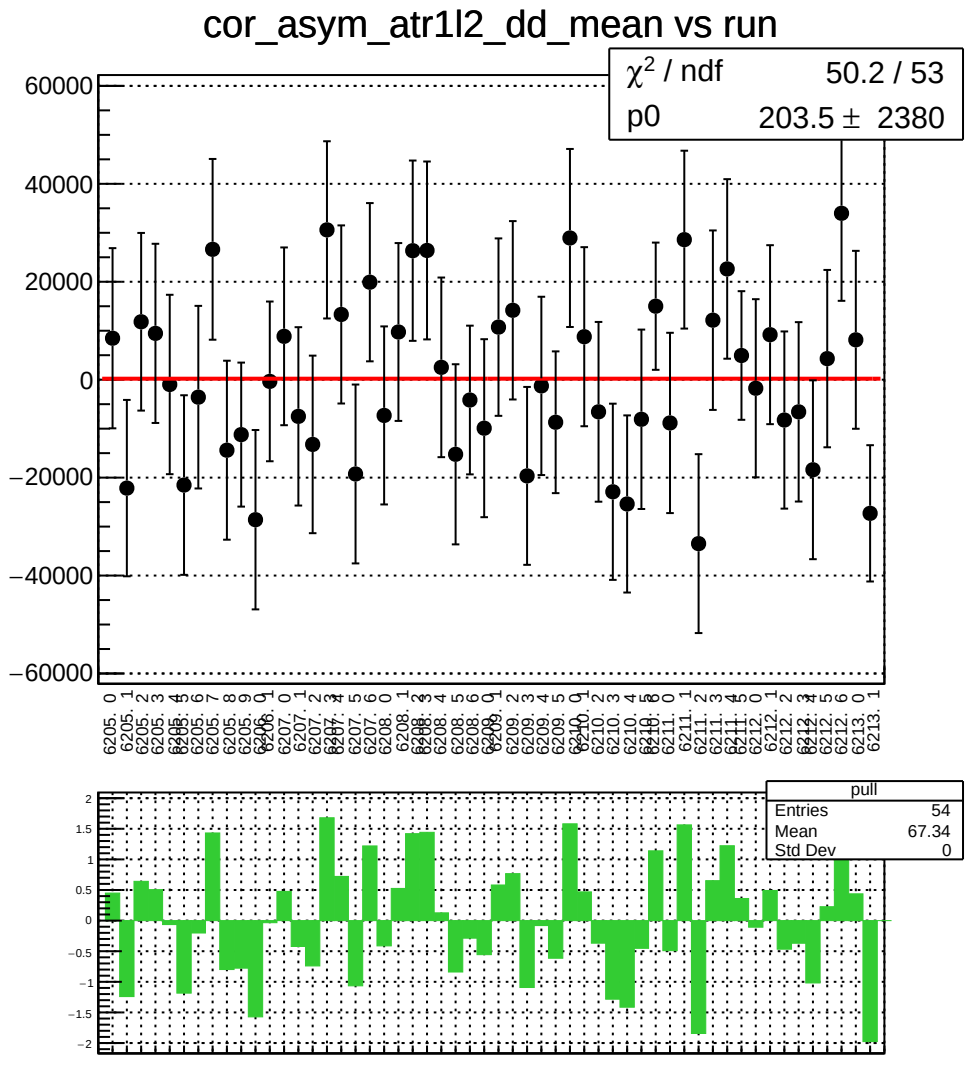

pull1D
Entries 54
Mean 0.004526
Std Dev 0.9641

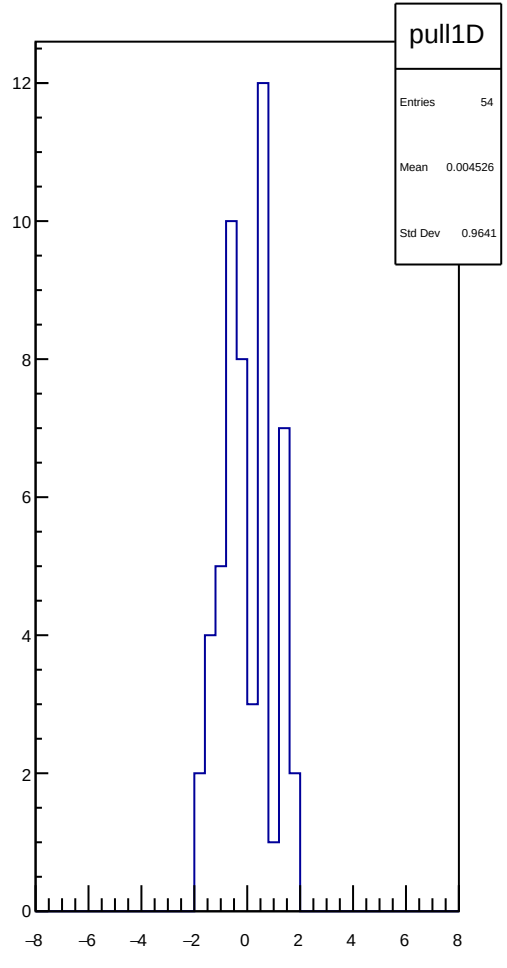

reg_asym_atr1l2_dd_rms vs run
χ² / ndf 48.11 / 53
p0 1732 ± 1.683
1780
1760
1740
1720
1700
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

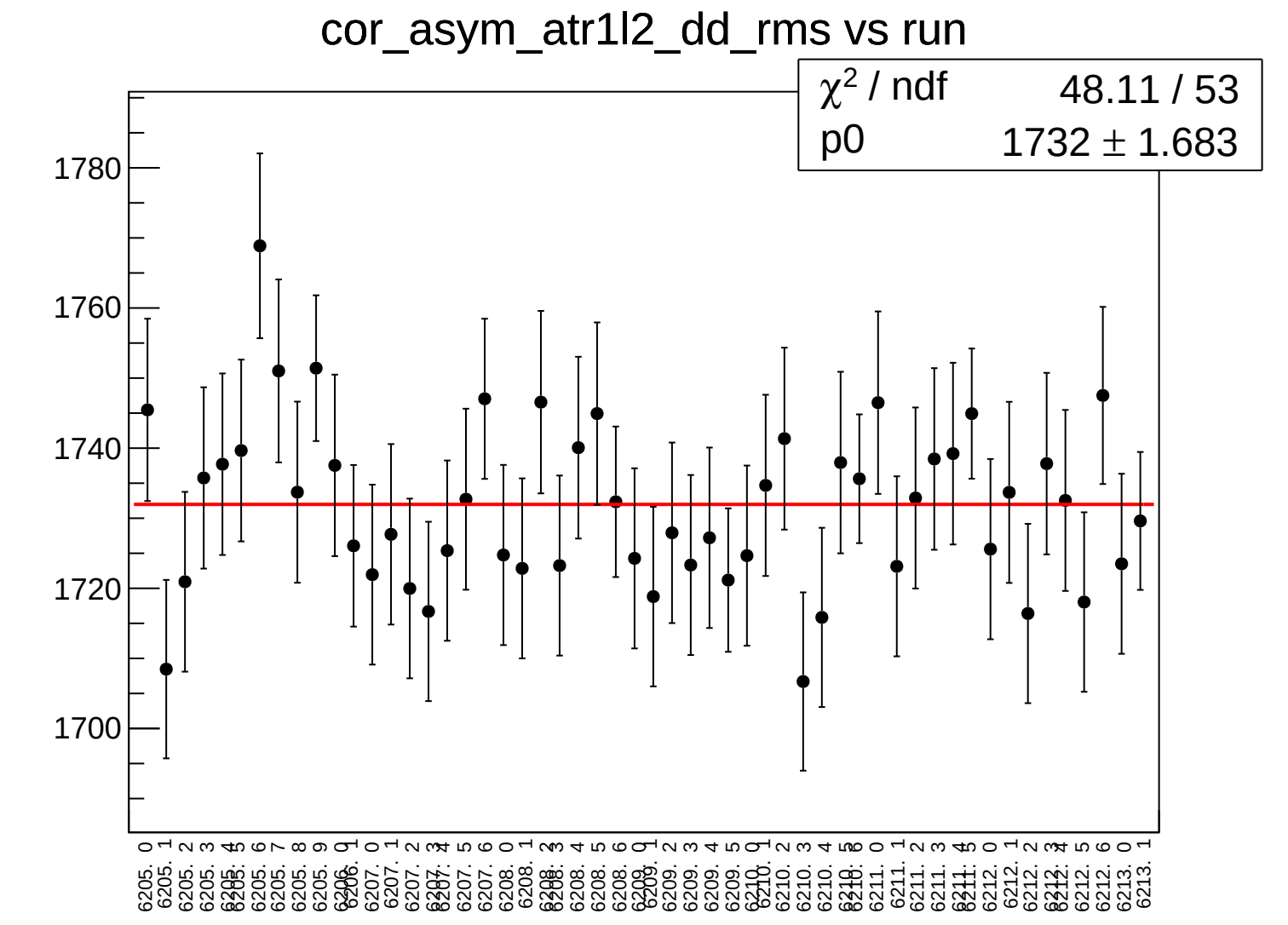

asym_atr1l2_dd_reg_correction_mean vs run
×10^3
χ² / ndf 42.47 / 53
p0 −3208 ± 5016
100
50
0
−50
−100
−150
pull
Entries 54
Mean −222.1
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

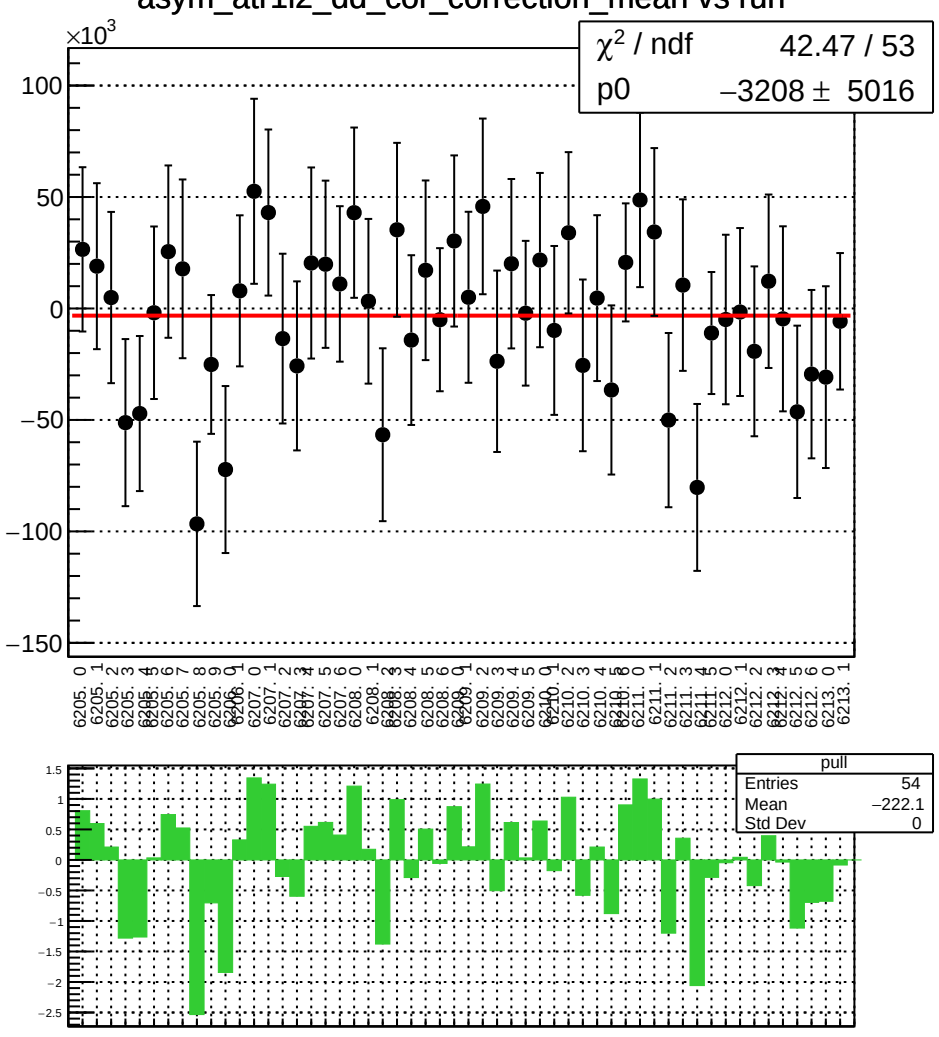

pull1D
Entries 54
Mean 0.003476
Std Dev 0.8869
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

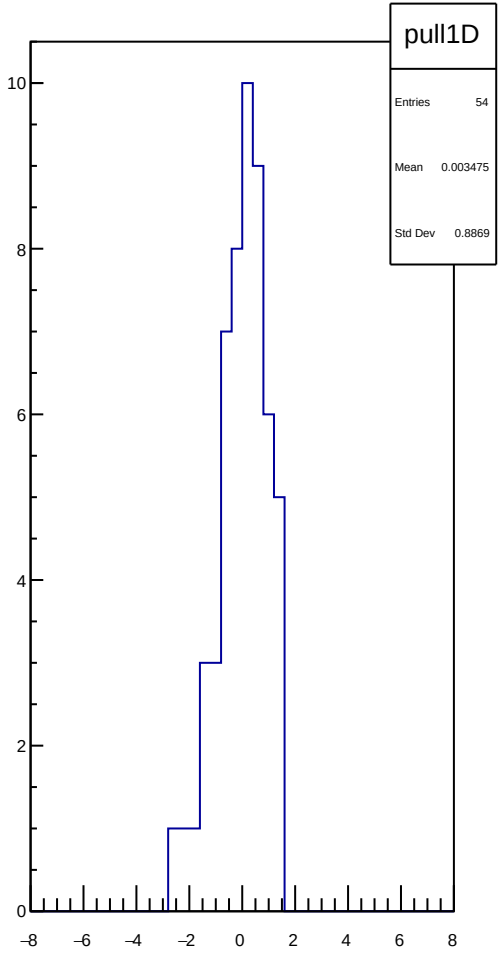

asym_atr1l2_dd_reg_correction_rms vs run
χ² / ndf 1329 / 53
p0 3648 ± 3.547
4100
4000
3900
3800
3700
3600
3500
3400
3300
3200

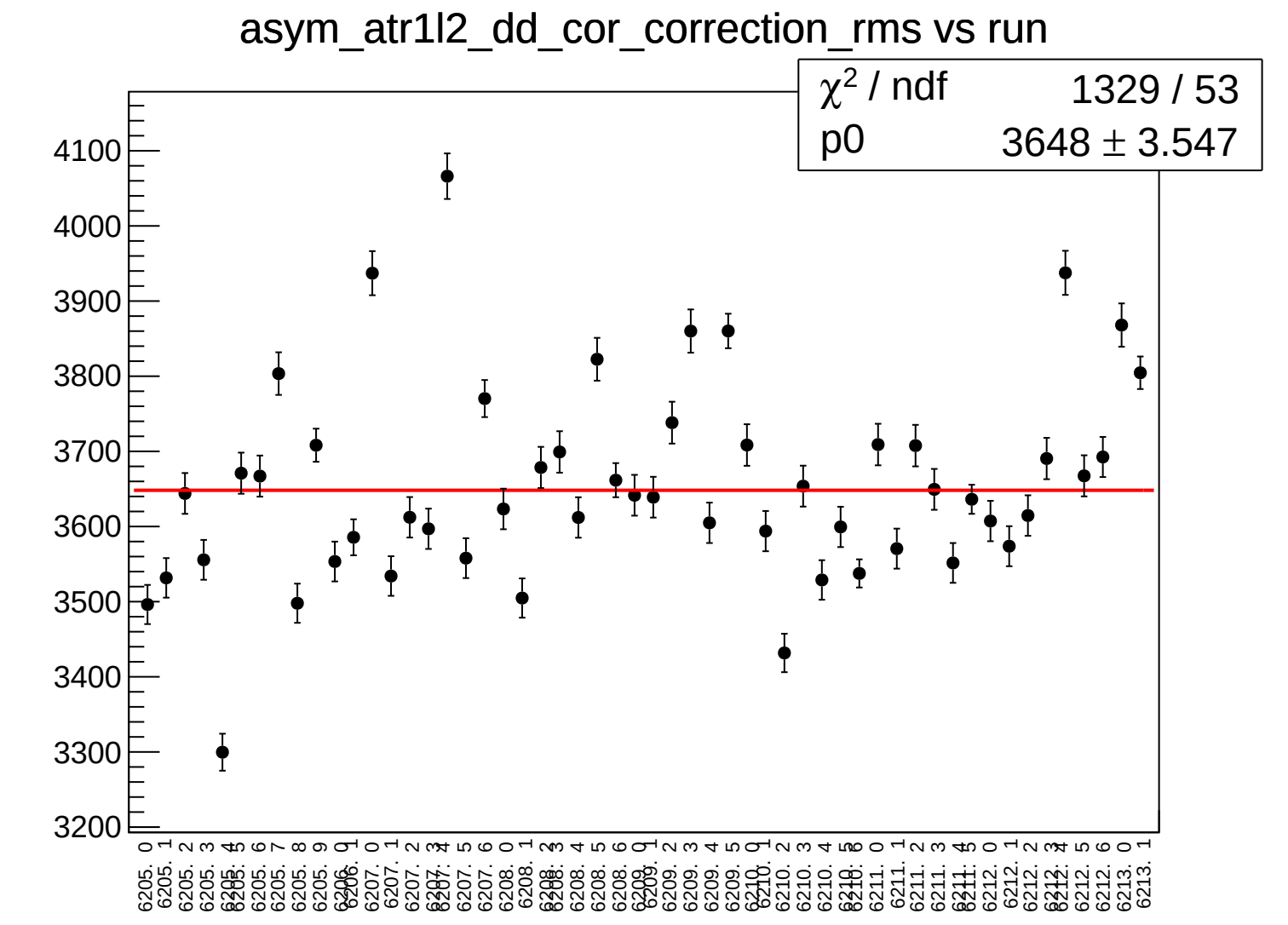

cor_asym_atr1l2_dd_mean vs run
χ² / ndf 50.2 / 53
p0 203.5 ± 2380
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 67.34
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

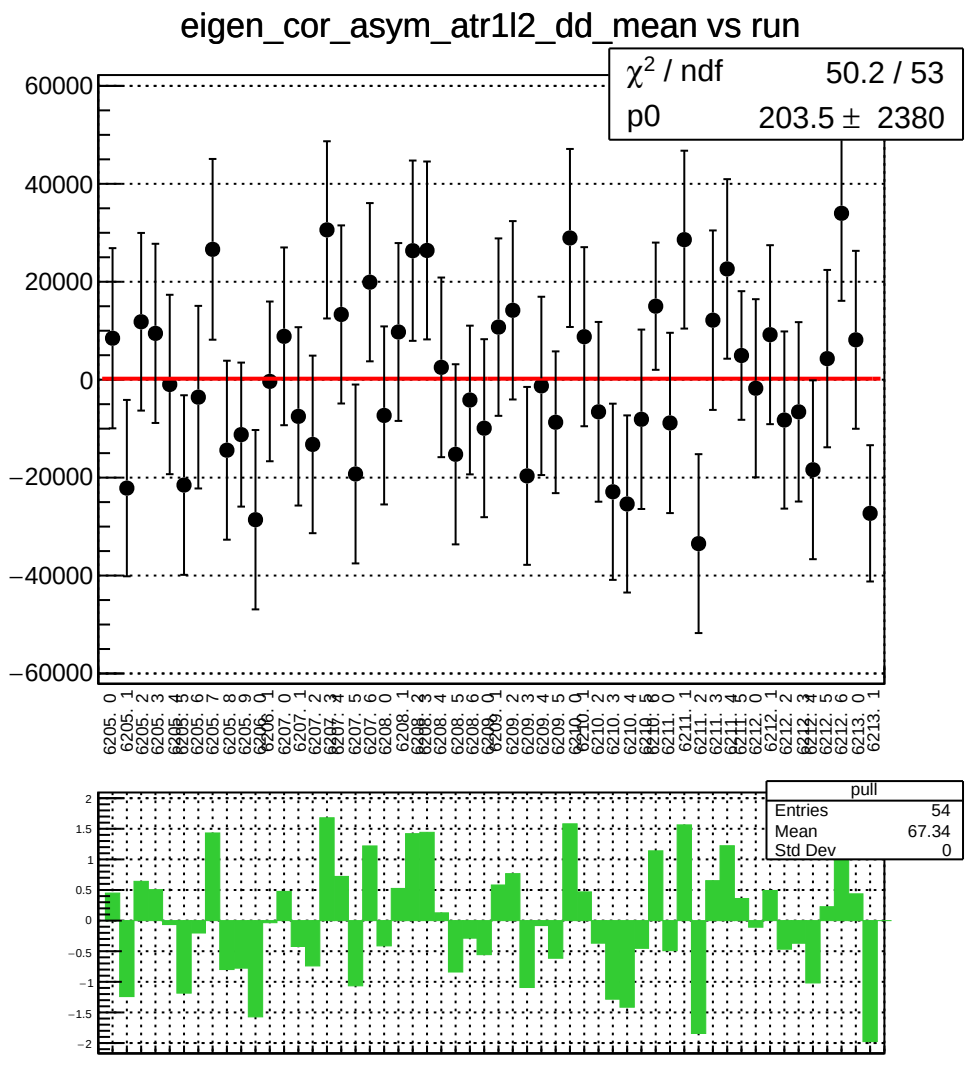

pull1D
Entries 54
Mean 0.004526
Std Dev 0.9641
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

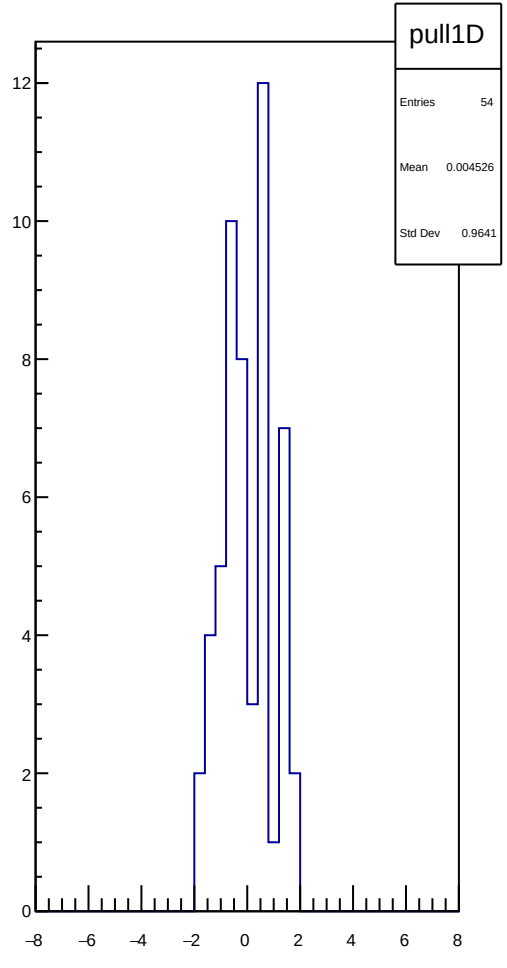

cor_asym_atr1l2_dd_rms vs run
χ² / ndf 48.11 / 53
p0 1732 ± 1.683
1780
1760
1740
1720
1700
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

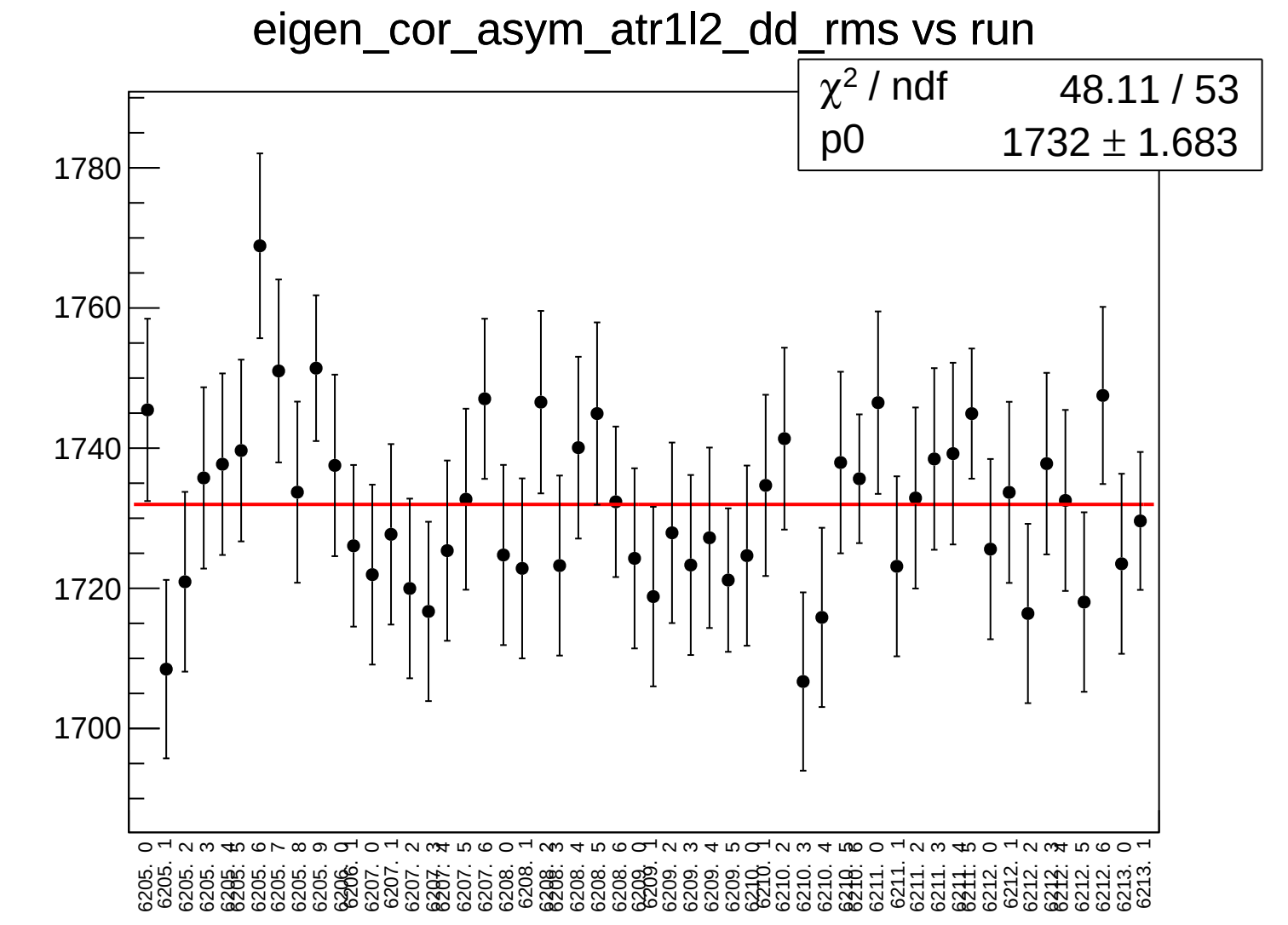

asym_atr1l2_dd_cor_correction_mean vs run
×10^3
χ² / ndf 42.47 / 53
p0 −3208 ± 5016
pull
Entries 54
Mean −222.1
Std Dev 0

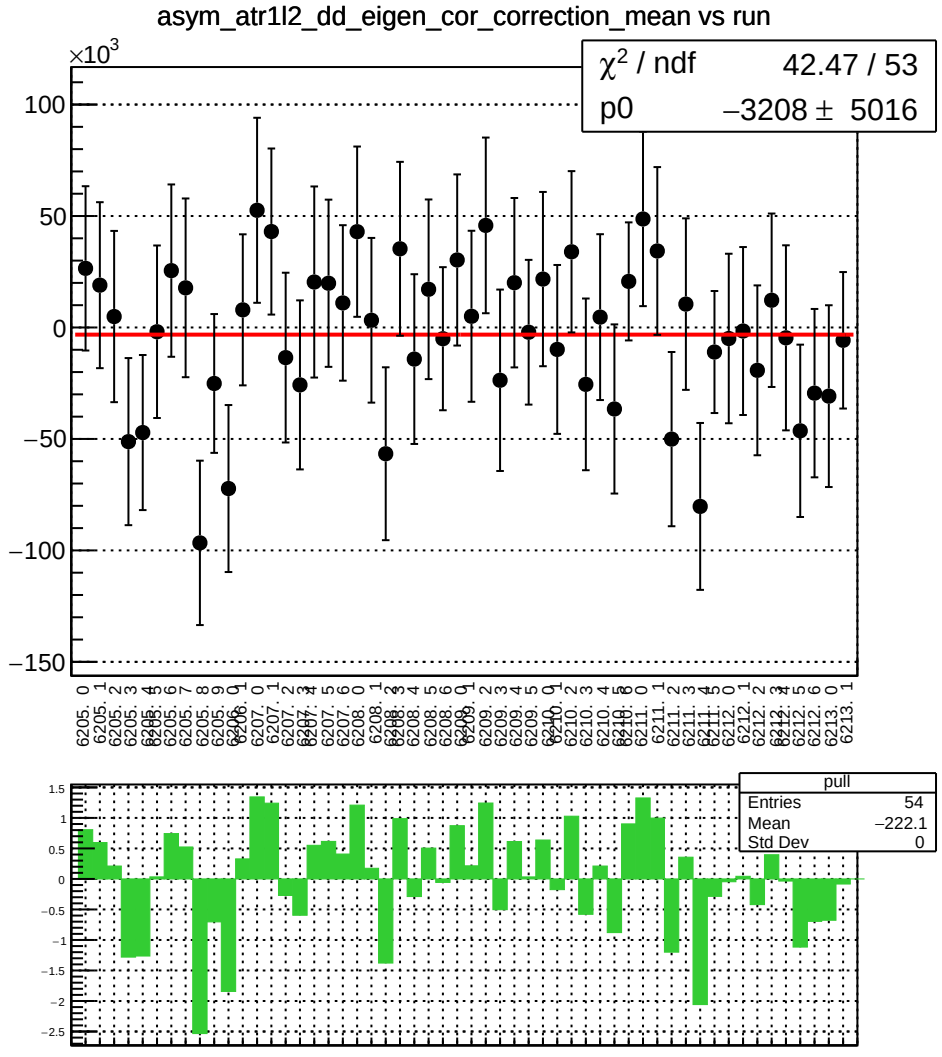

pull1D
Entries 54
Mean 0.003475
Std Dev 0.8869

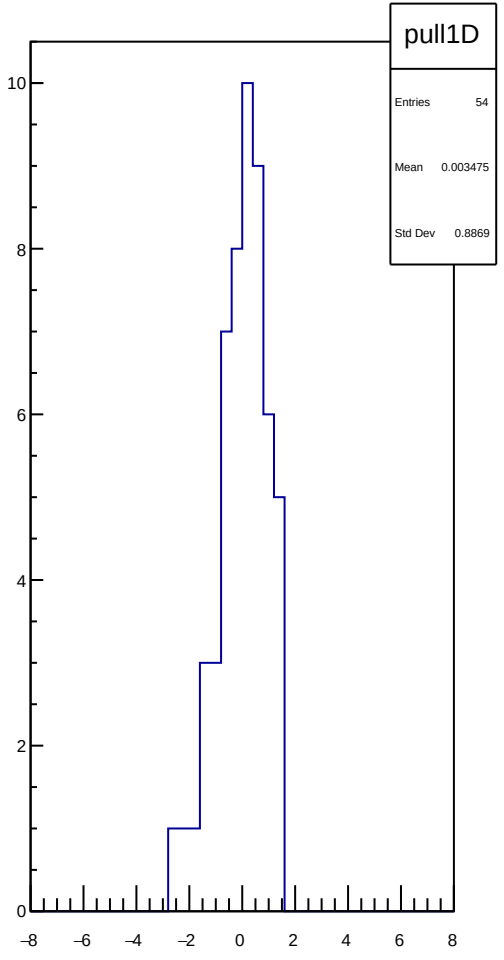

asym_atr1l2_dd_cor_correction_rms vs run
χ² / ndf 1329 / 53
p0 3648 ± 3.547
4100
4000
3900
3800
3700
3600
3500
3400
3300
3200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

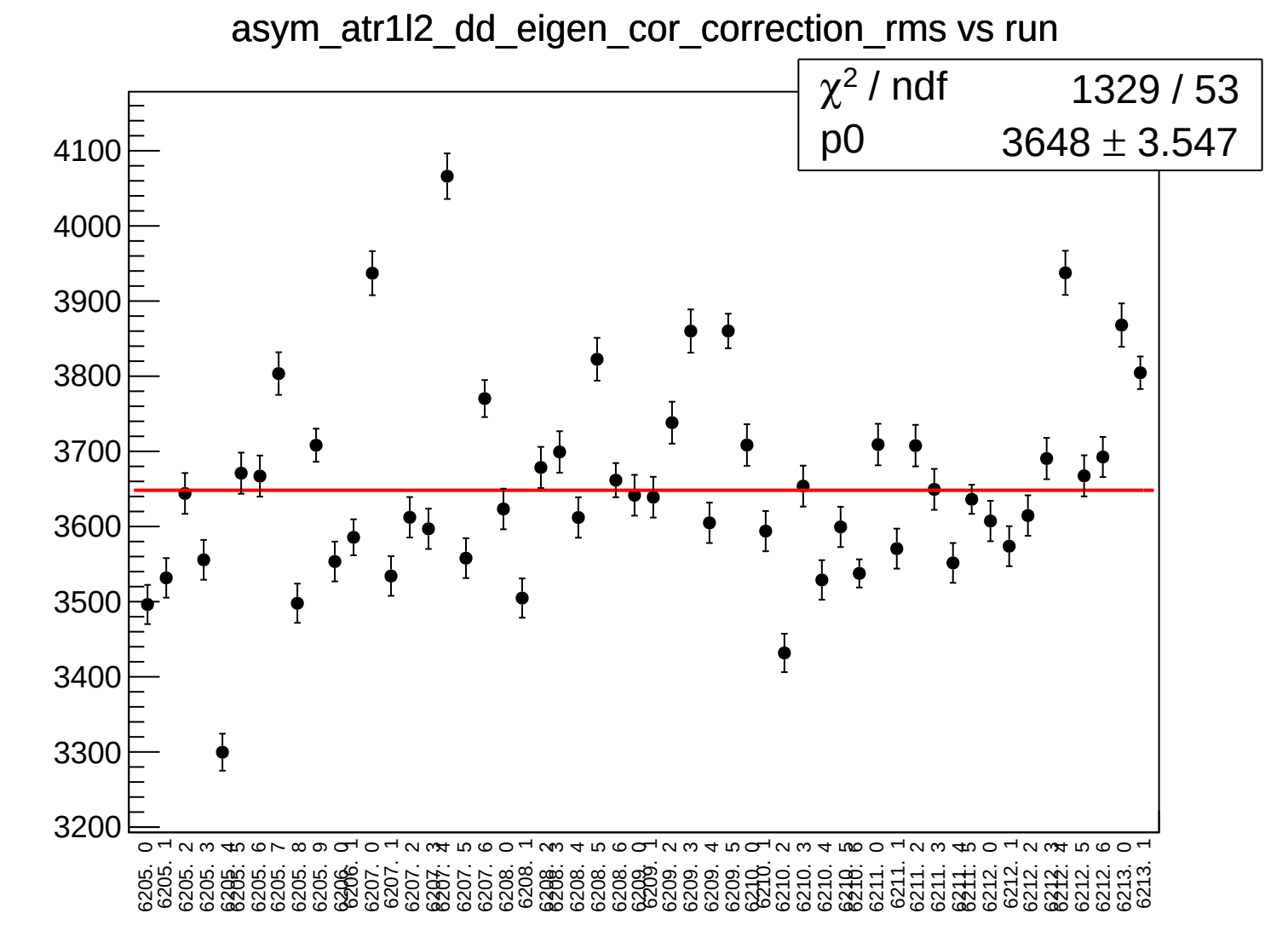

eigen_cor_asym_atr1l2_dd_mean vs run
χ² / ndf 50.2 / 53
p0 203.5 ± 2380
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 67.34
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

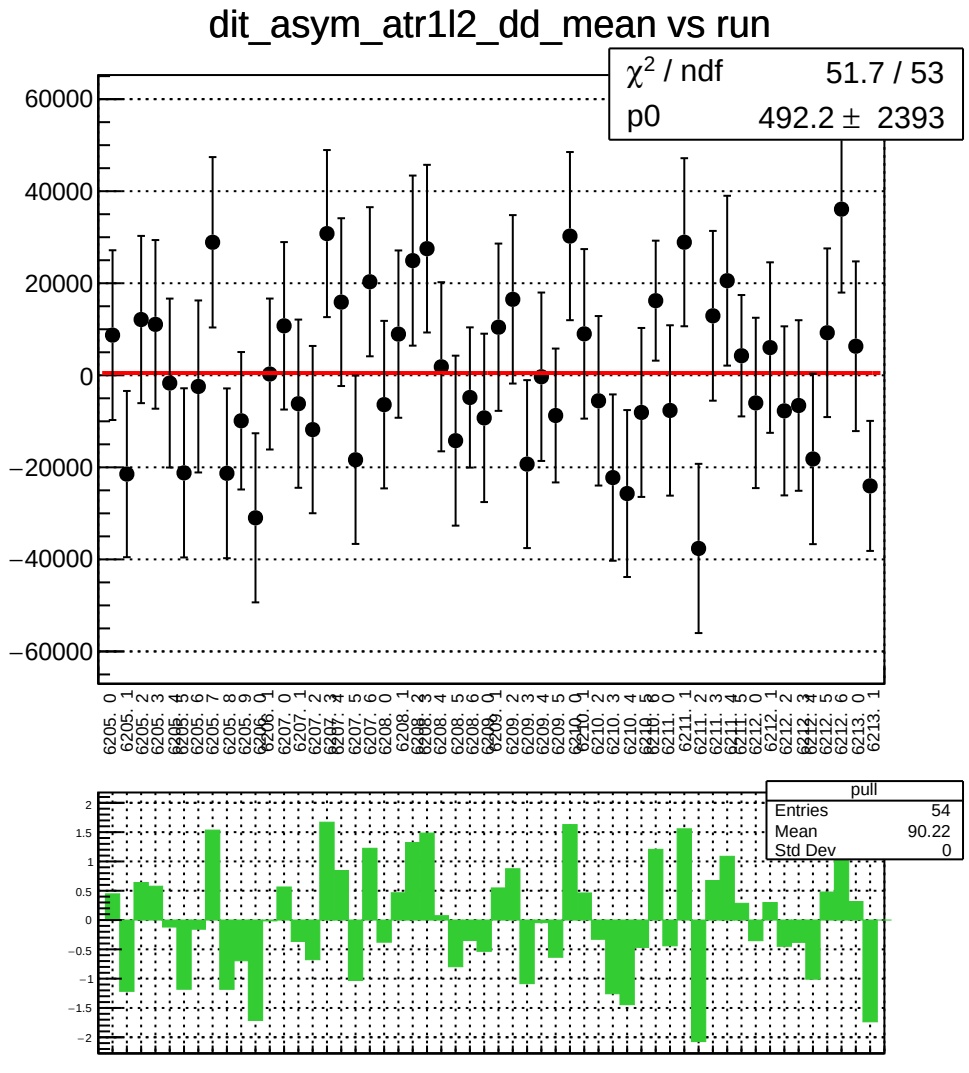

pull1D
Entries 54
Mean 0.004526
Std Dev 0.9641
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

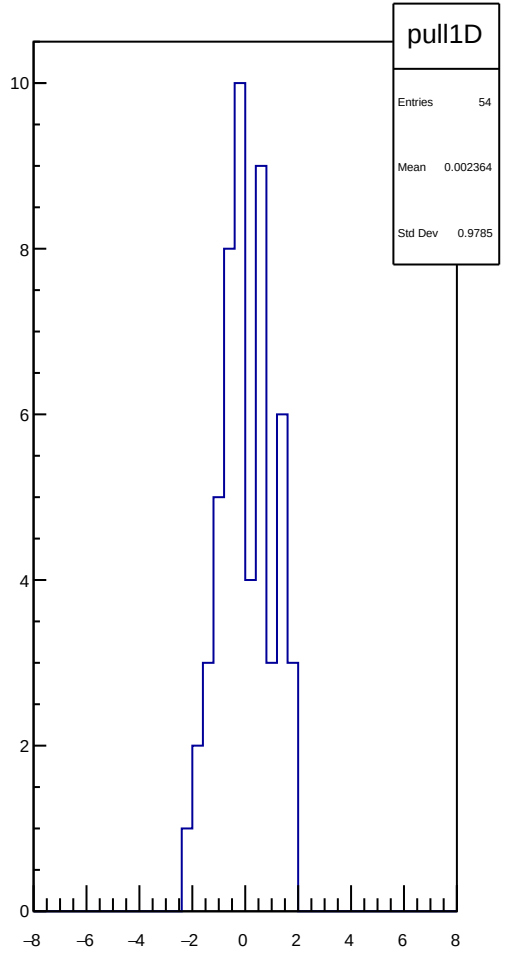

eigen_cor_asym_atr1l2_dd_rms vs run
χ² / ndf 48.11 / 53
p0 1732 ± 1.683
1780
1760
1740
1720
1700
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

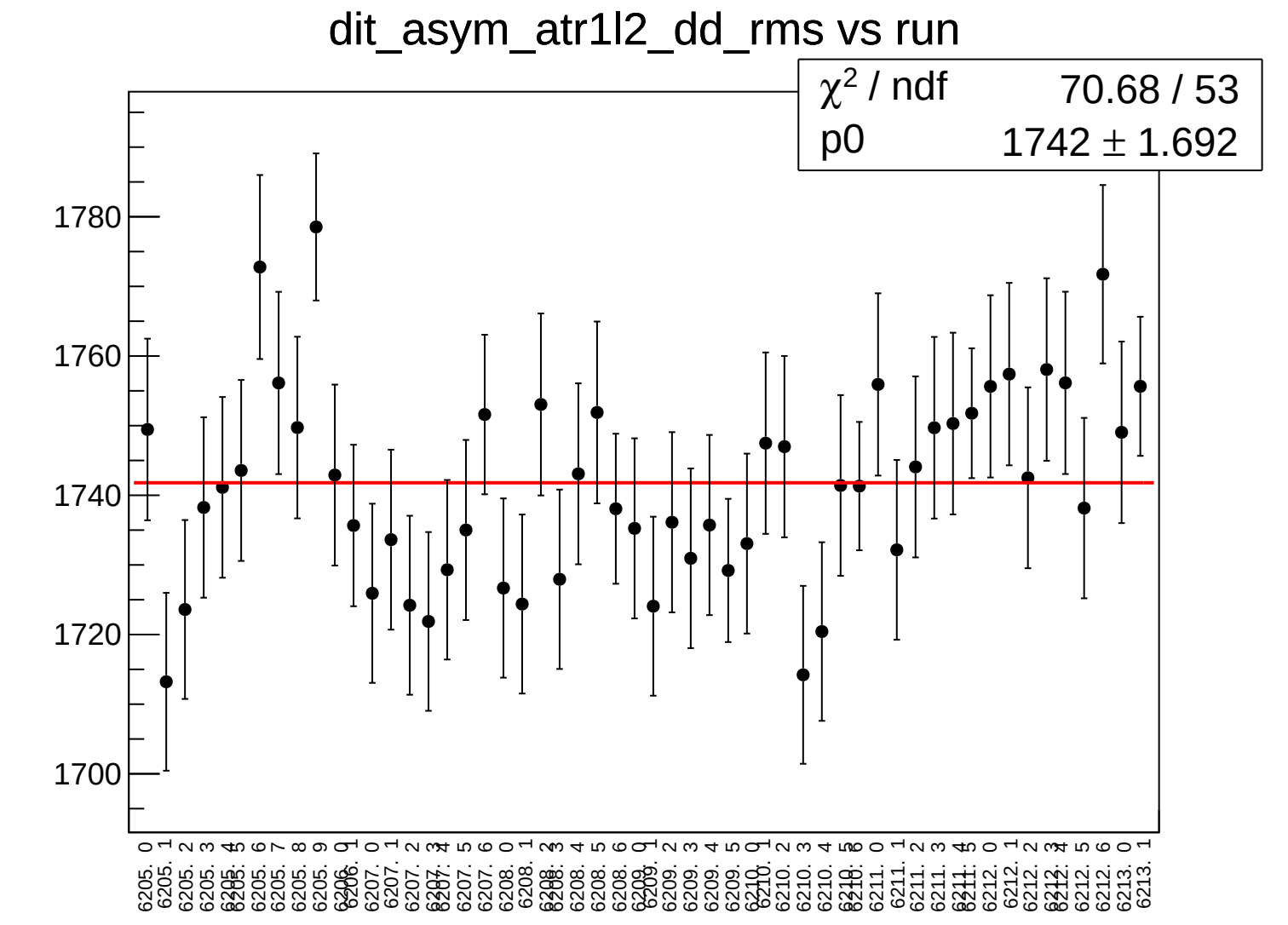

asym_atr1l2_dd_eigen_cor_correction_mean vs run
χ² / ndf 42.47 / 53
p0 −3208 ± 5016
pull
Entries 54
Mean −222.1
Std Dev 0

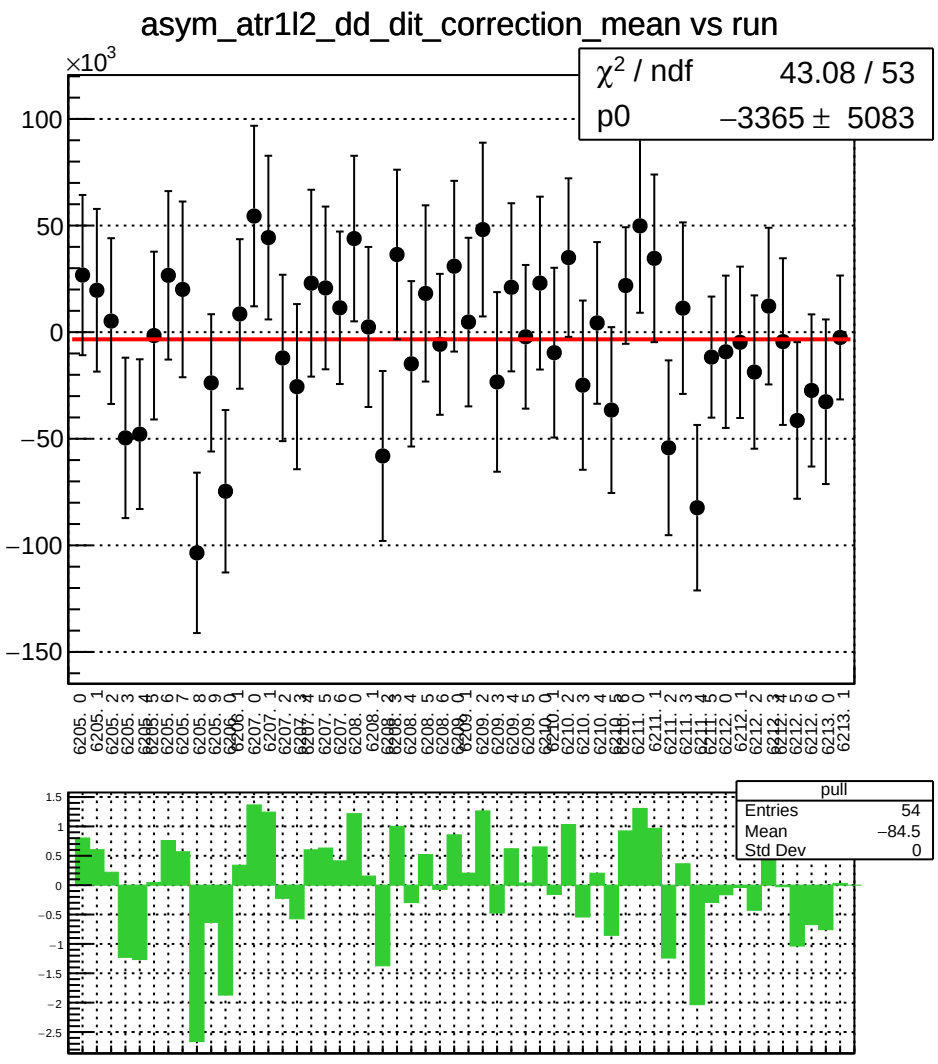

pull1D
Entries 54
Mean 0.003475
Std Dev 0.8869

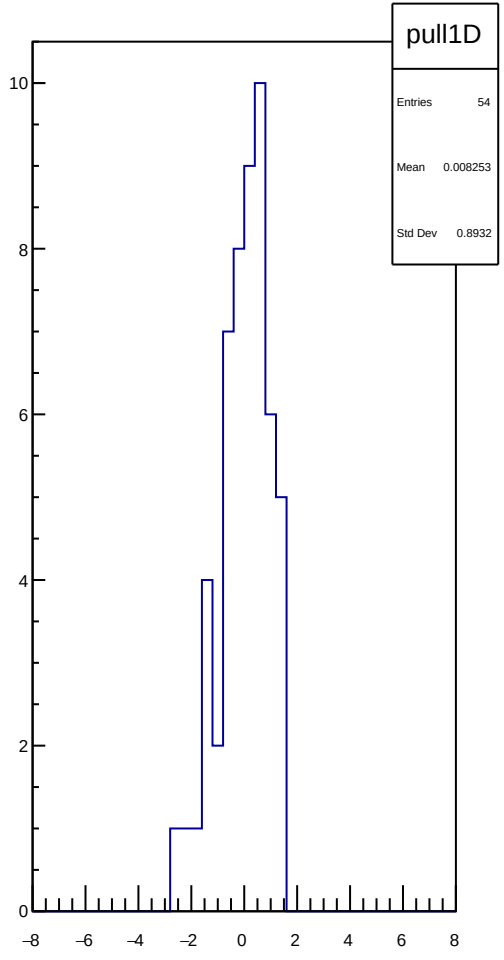

asym_atr1l2_dd_eigen_cor_correction_rms vs run
χ² / ndf 1329 / 53
p0 3648 ± 3.547
4100
4000
3900
3800
3700
3600
3500
3400
3300
3200

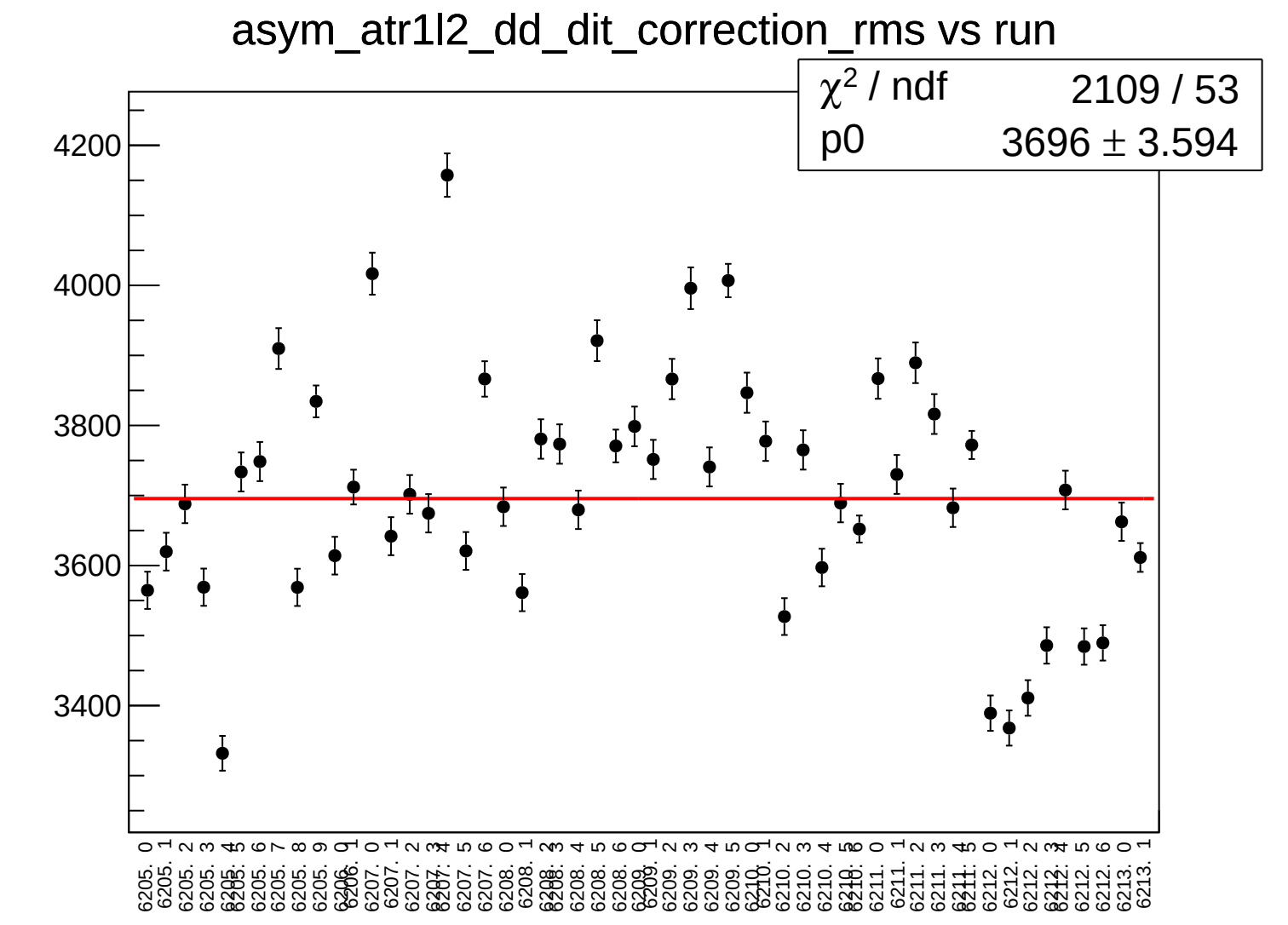

dit_asym_atr1l2_dd_mean vs run
χ² / ndf 51.7 / 53
p0 492.2 ± 2393
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 90.22
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

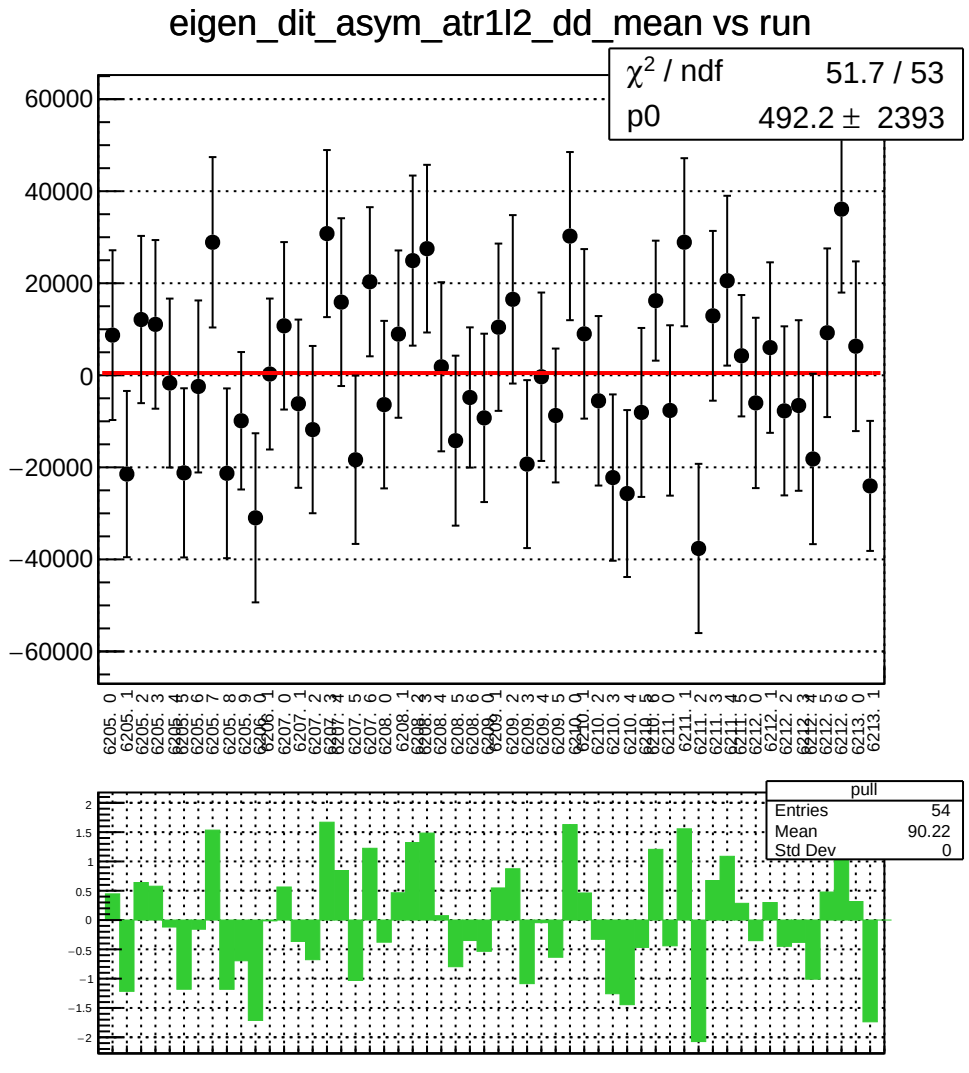

pull1D
Entries 54
Mean 0.002364
Std Dev 0.9785
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

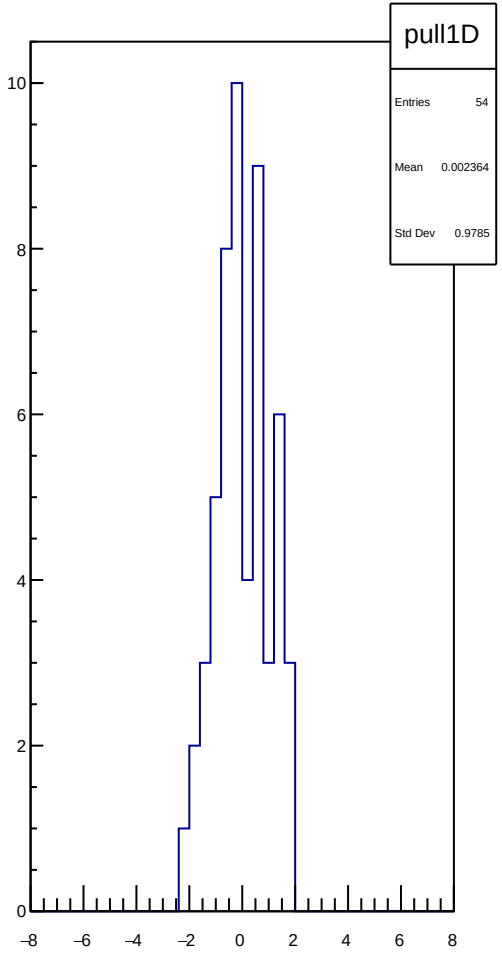

dit_asym_atr1l2_dd_rms vs run
χ^2 / ndf 70.68 / 53
p0 1742 ± 1.692
1780
1760
1740
1720
1700
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

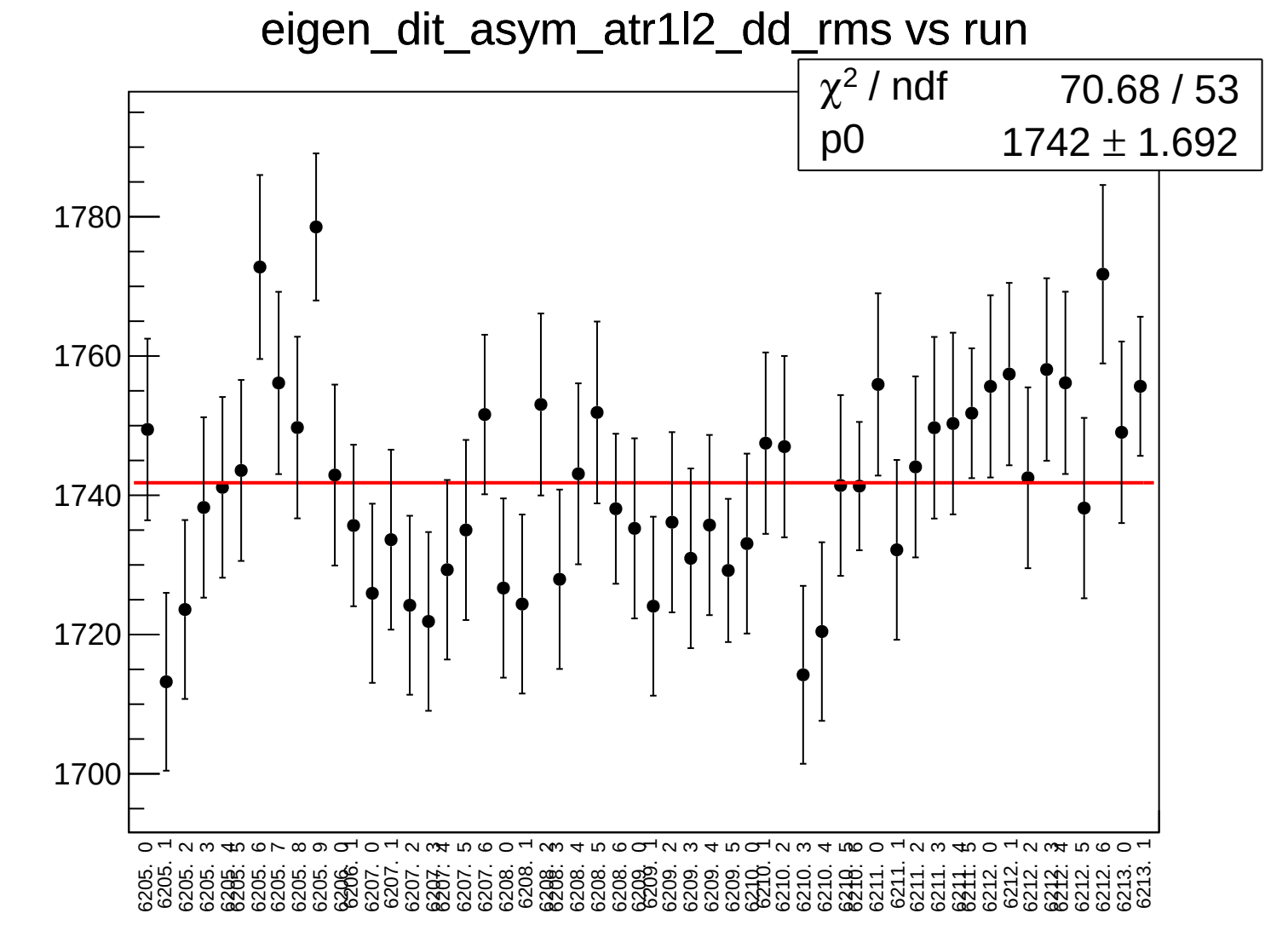

asym_atr1l2_dd_dit_correction_mean vs run
×10^3
χ² / ndf 43.08 / 53
p0 −3365 ± 5083
100
50
0
−50
−100
−150
pull
Entries 54
Mean −84.5
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

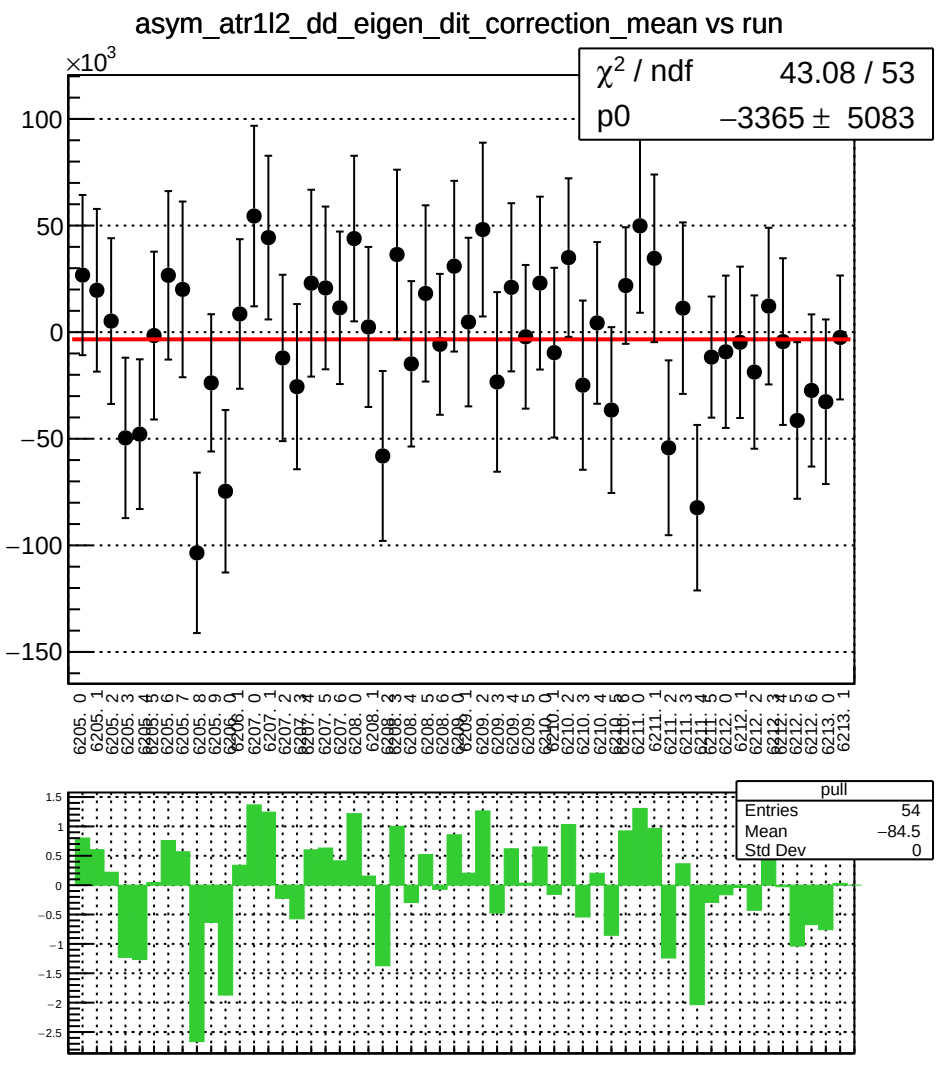

pull1D
Entries 54
Mean 0.008253
Std Dev 0.8932
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

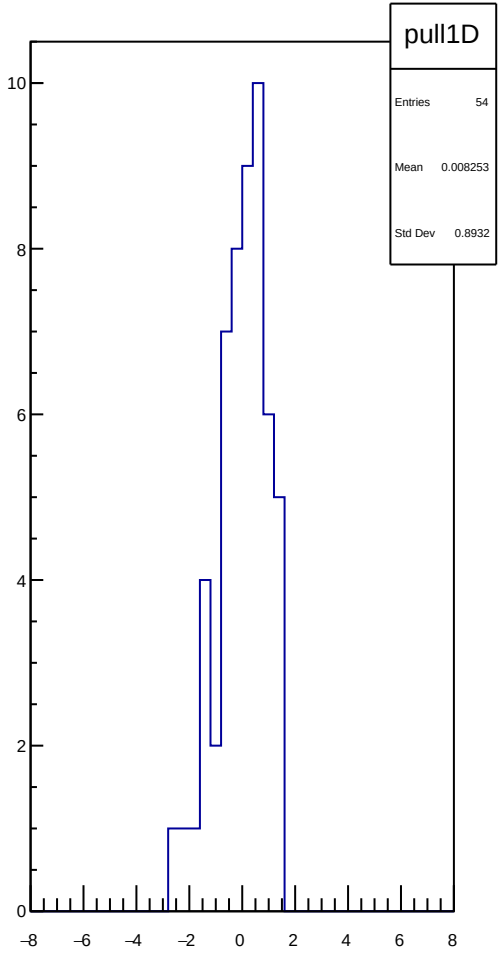

asym_atr1l2_dd_dit_correction_rms vs run
χ² / ndf 2109 / 53
p0 3696 ± 3.594
4200
4000
3800
3600
3400
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

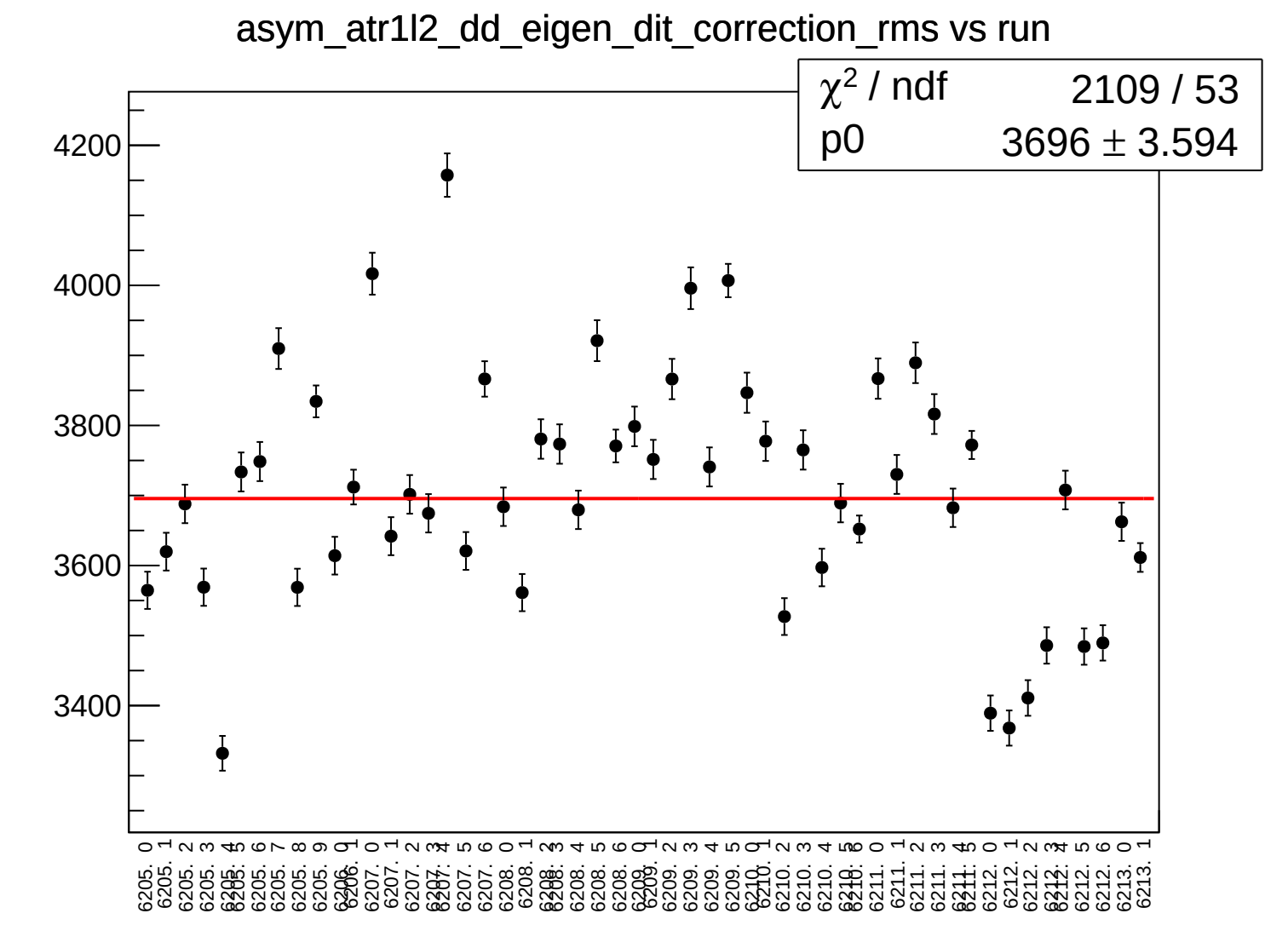

eigen_dit_asym_atr1l2_dd_mean vs run
χ² / ndf 51.7 / 53
p0 492.2 ± 2393
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 90.22
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

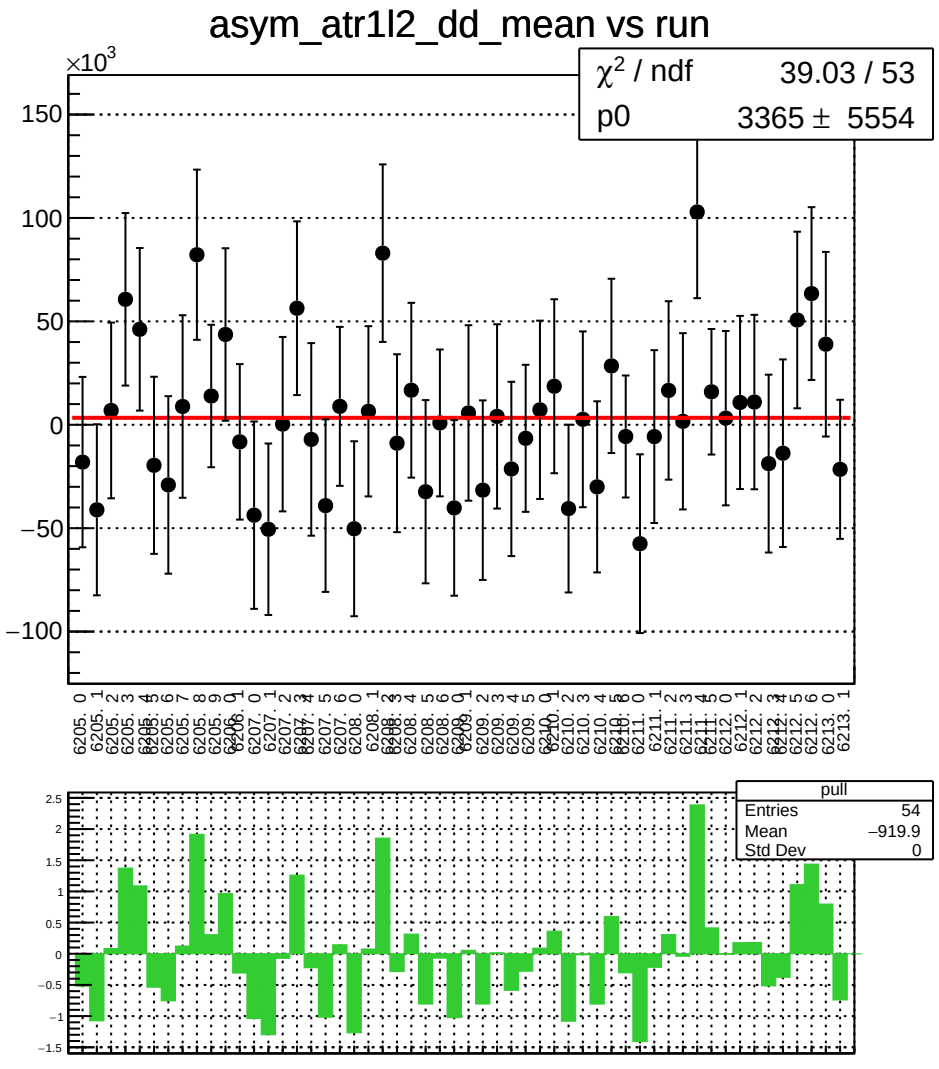

pull1D
Entries 54
Mean 0.002364
Std Dev 0.9785
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

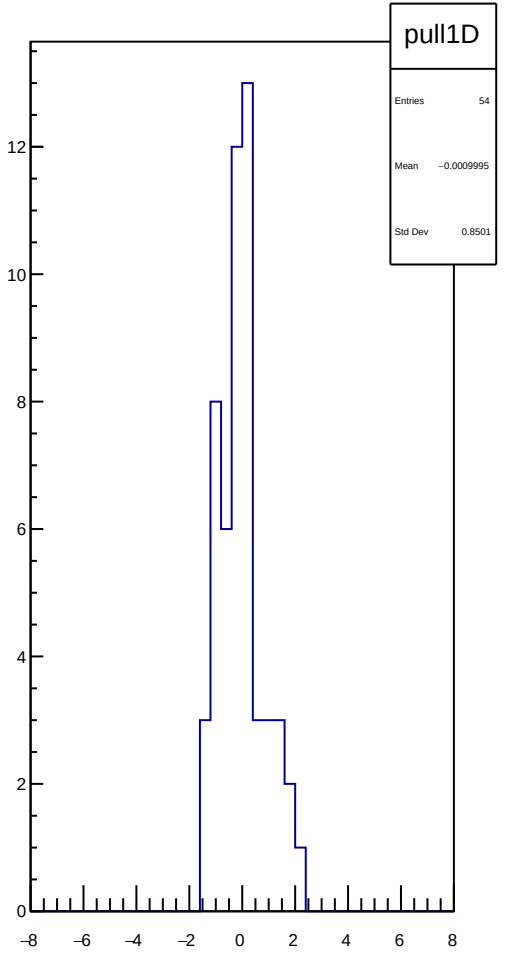

eigen_dit_asym_atr1l2_dd_rms vs run
χ² / ndf 70.68 / 53
p0 1742 ± 1.692
1780
1760
1740
1720
1700
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

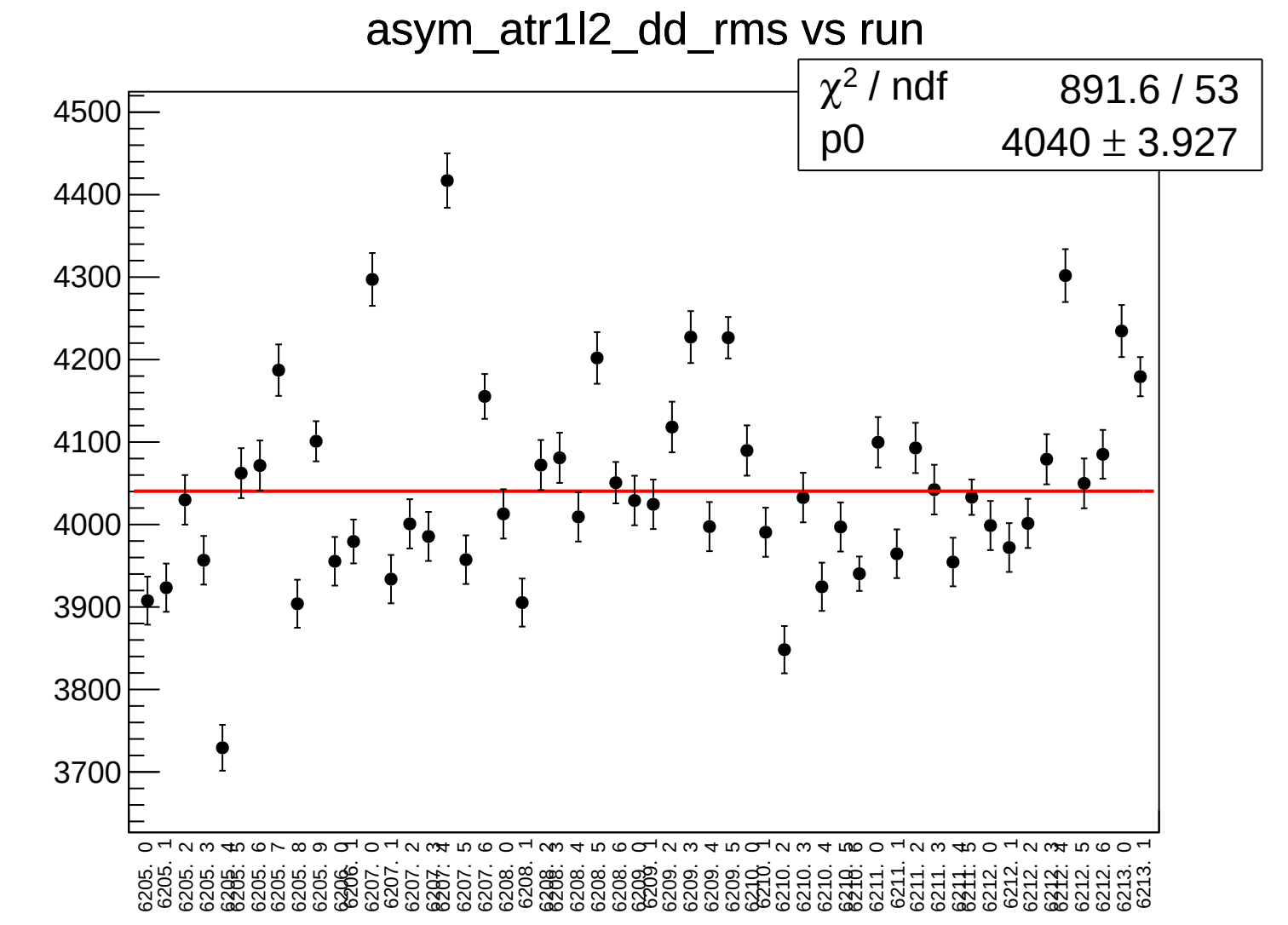

asym_atr1l2_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 43.08 / 53
p0 −3365 ± 5083
100
50
0
−50
−100
−150
pull
Entries 54
Mean −84.5
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

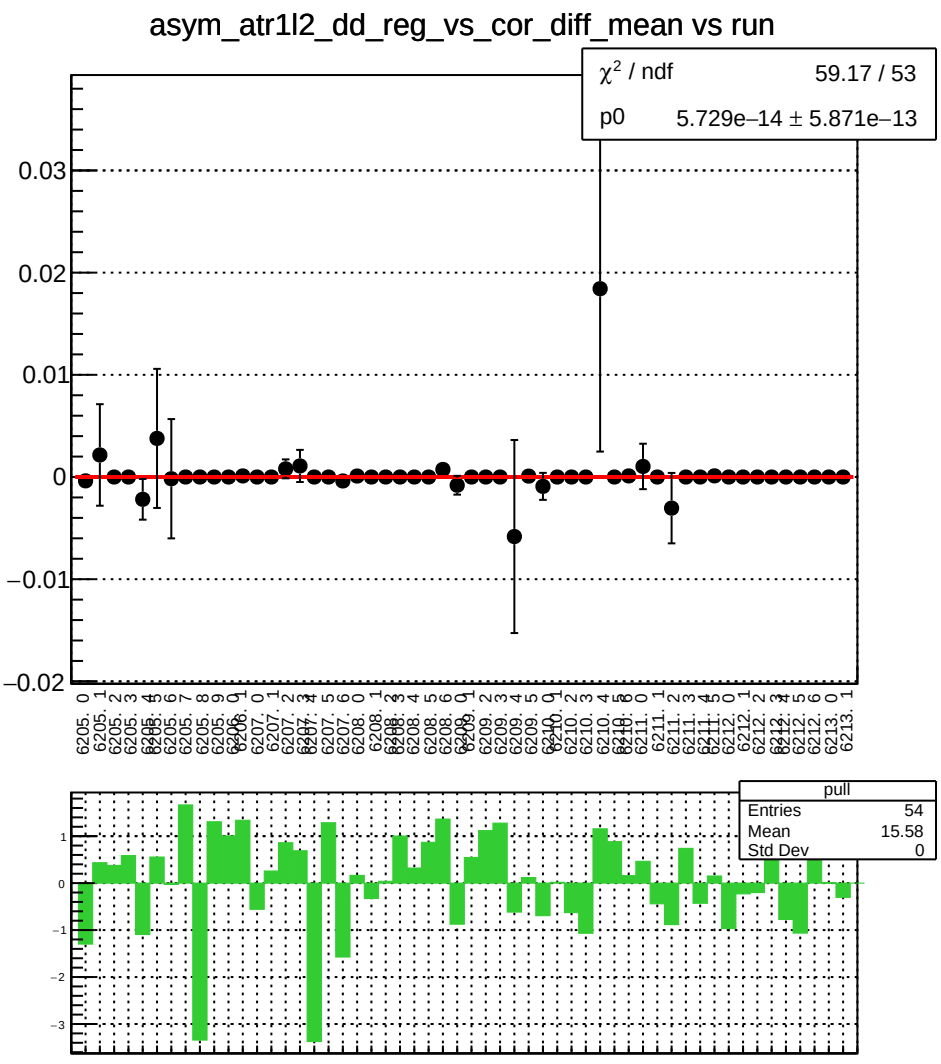

pull1D
Entries 54
Mean 0.008253
Std Dev 0.8932
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

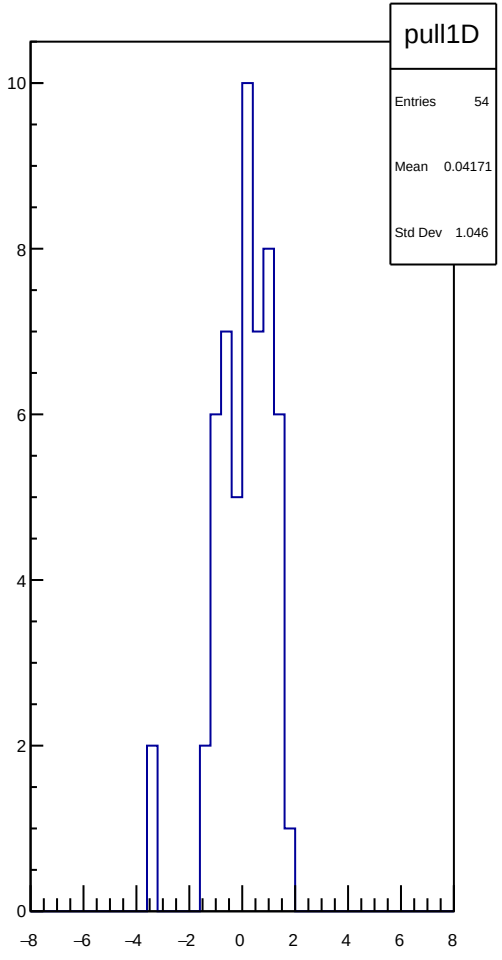

asym_atr1l2_dd_eigen_dit_correction_rms vs run
χ² / ndf 2109 / 53
p0 3696 ± 3.594
4200
4000
3800
3600
3400
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

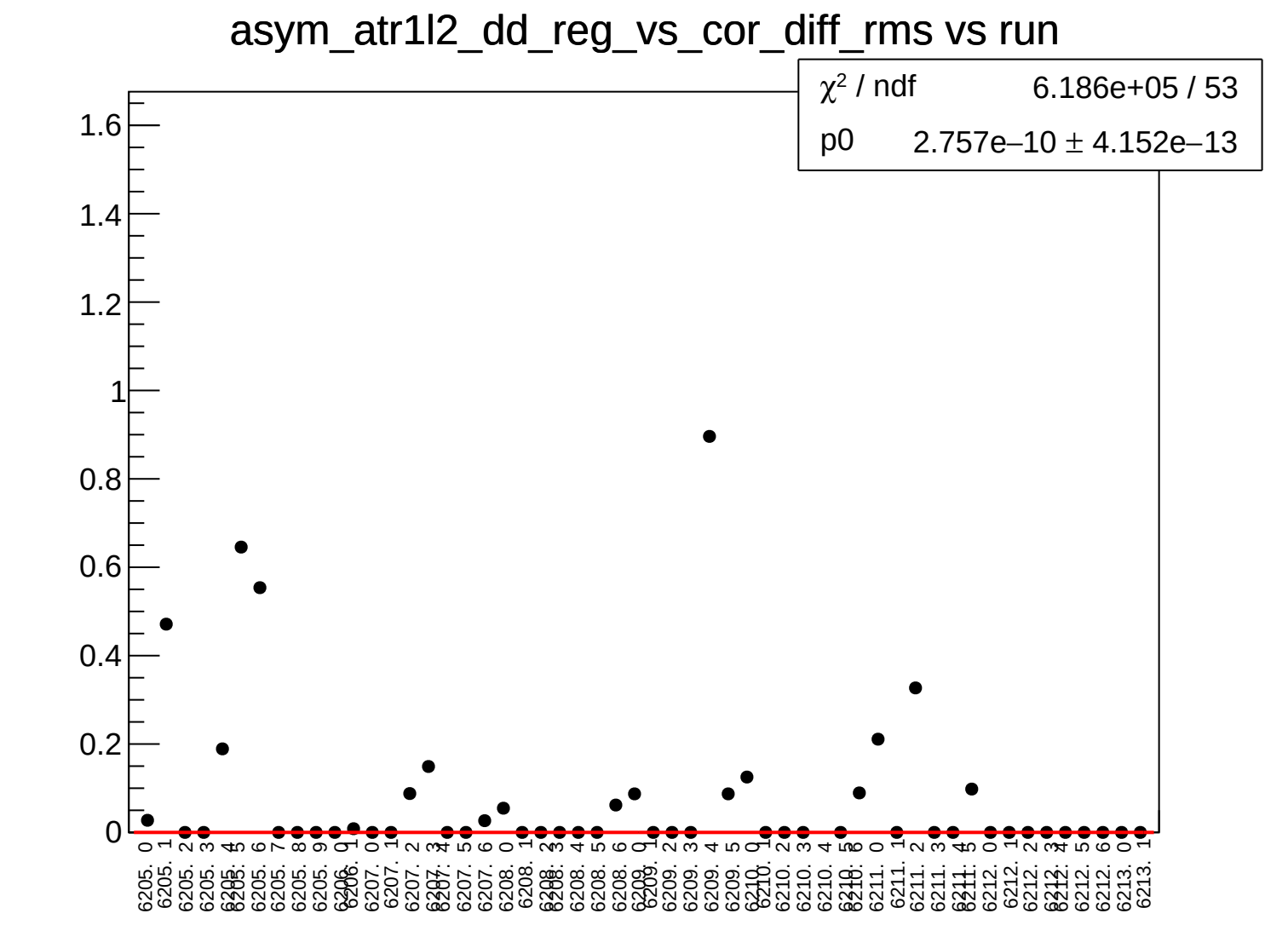

asym_atr1l2_dd_mean vs run
×10^3
χ² / ndf 39.03 / 53
p0 3365 ± 5554
150
100
50
0
−50
−100
pull
Entries 54
Mean −919.9
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

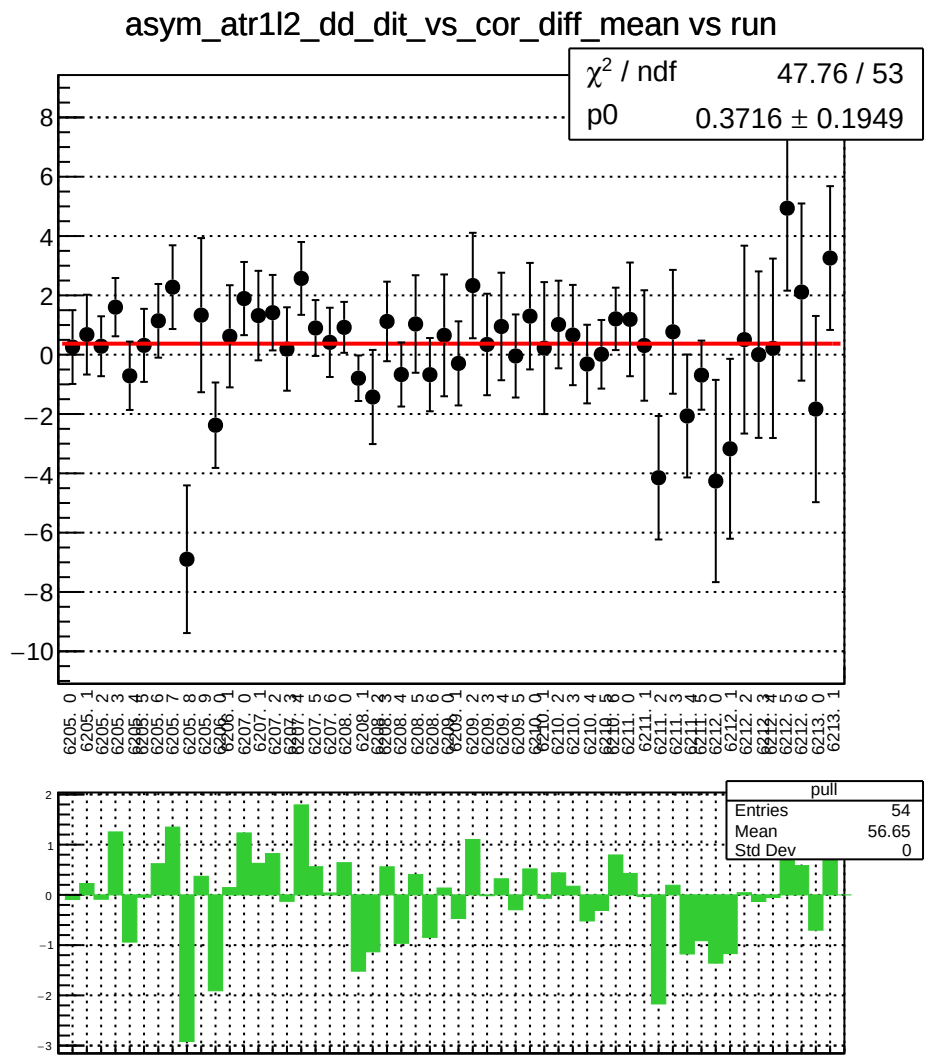

pull1D
Entries 54
Mean −0.0009995
Std Dev 0.8501
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

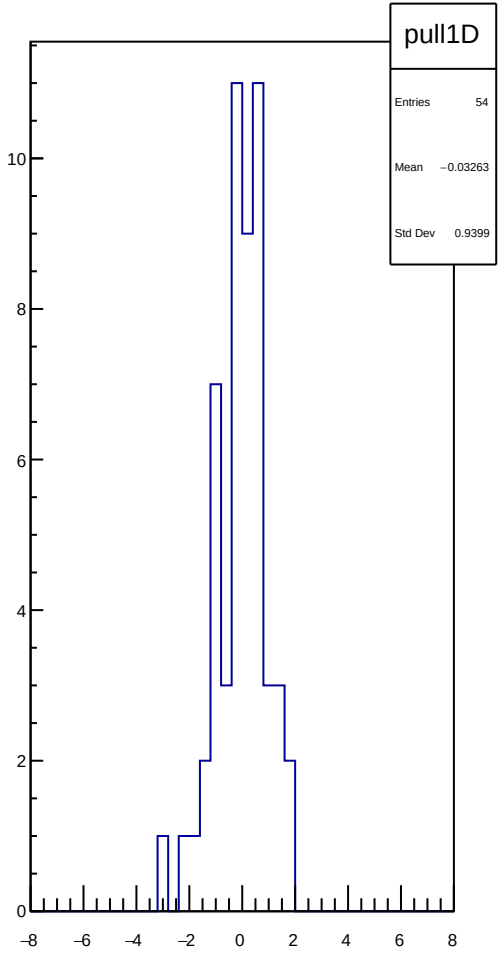

asym_atr1l2_dd_rms vs run
χ² / ndf 891.6 / 53
p0 4040 ± 3.927
4500
4400
4300
4200
4100
4000
3900
3800
3700
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 1
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

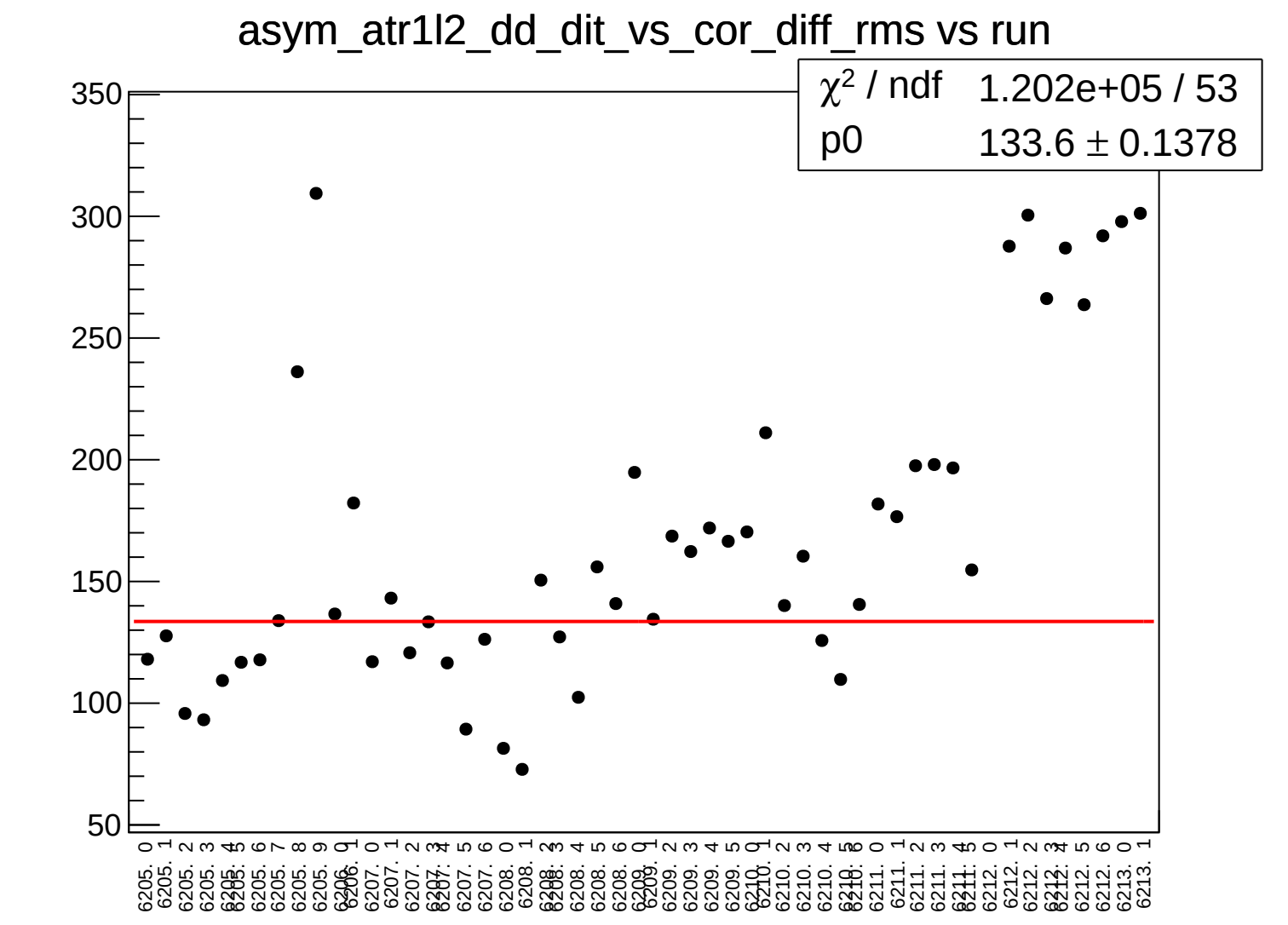

asym_atr1l2_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 59.17 / 53
p0 5.729e−14 ± 5.871e−13
0.03
0.02
0.01
0
−0.01
−0.02
pull
Entries 54
Mean 15.58
Std Dev 0

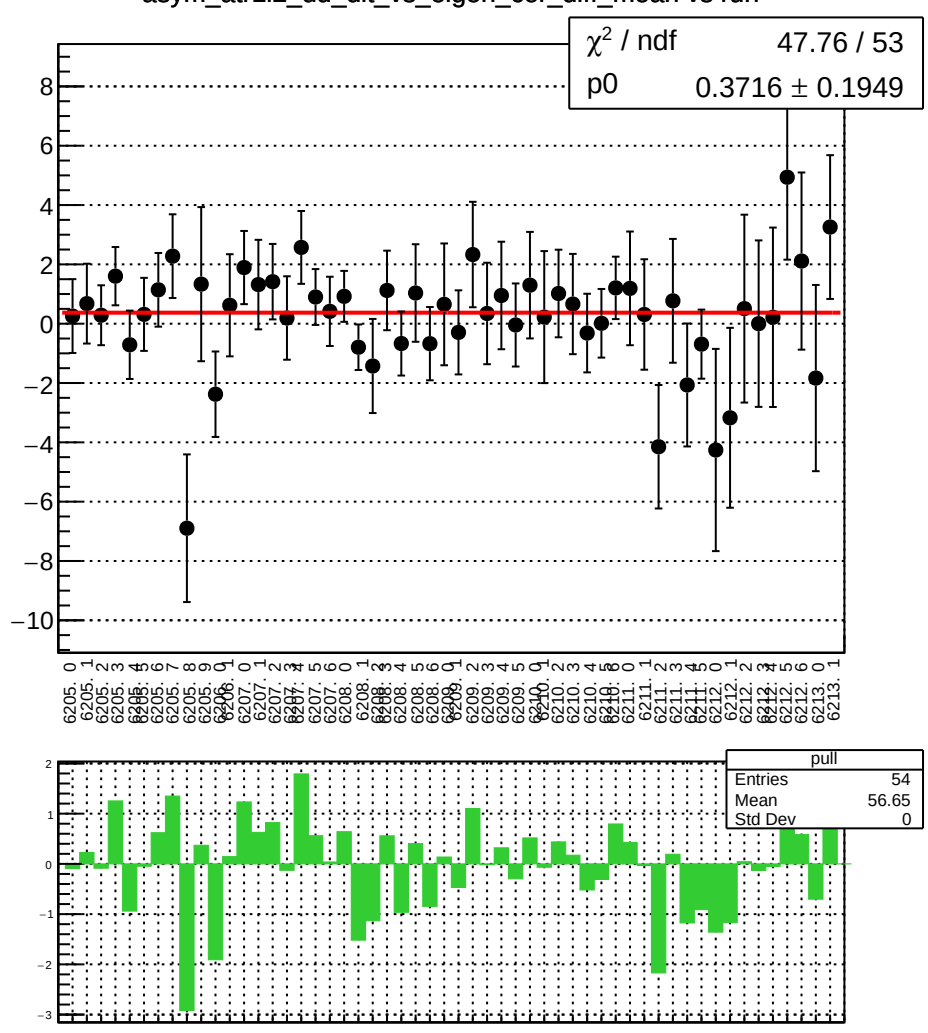

pull1D
Entries 54
Mean 0.04171
Std Dev 1.046
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

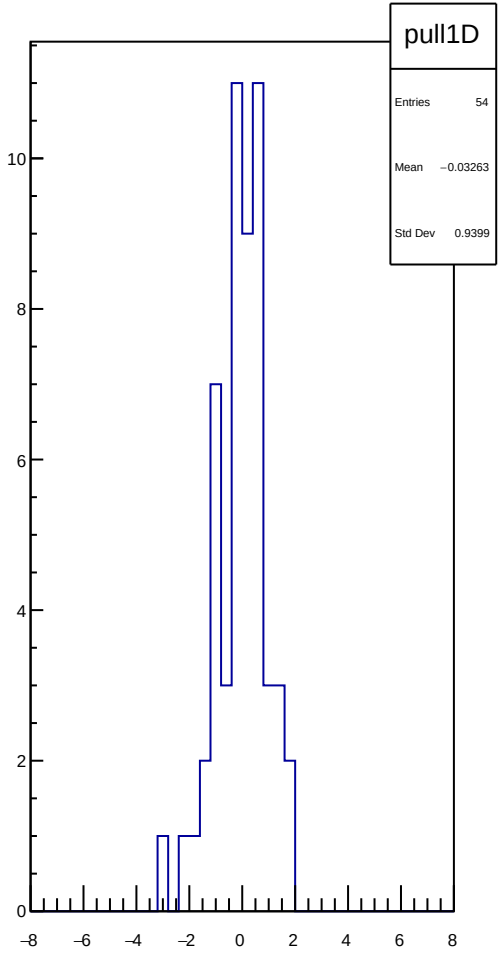

asym_atr1l2_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.186e+05 / 53
p0 2.757e−10 ± 4.152e−13
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

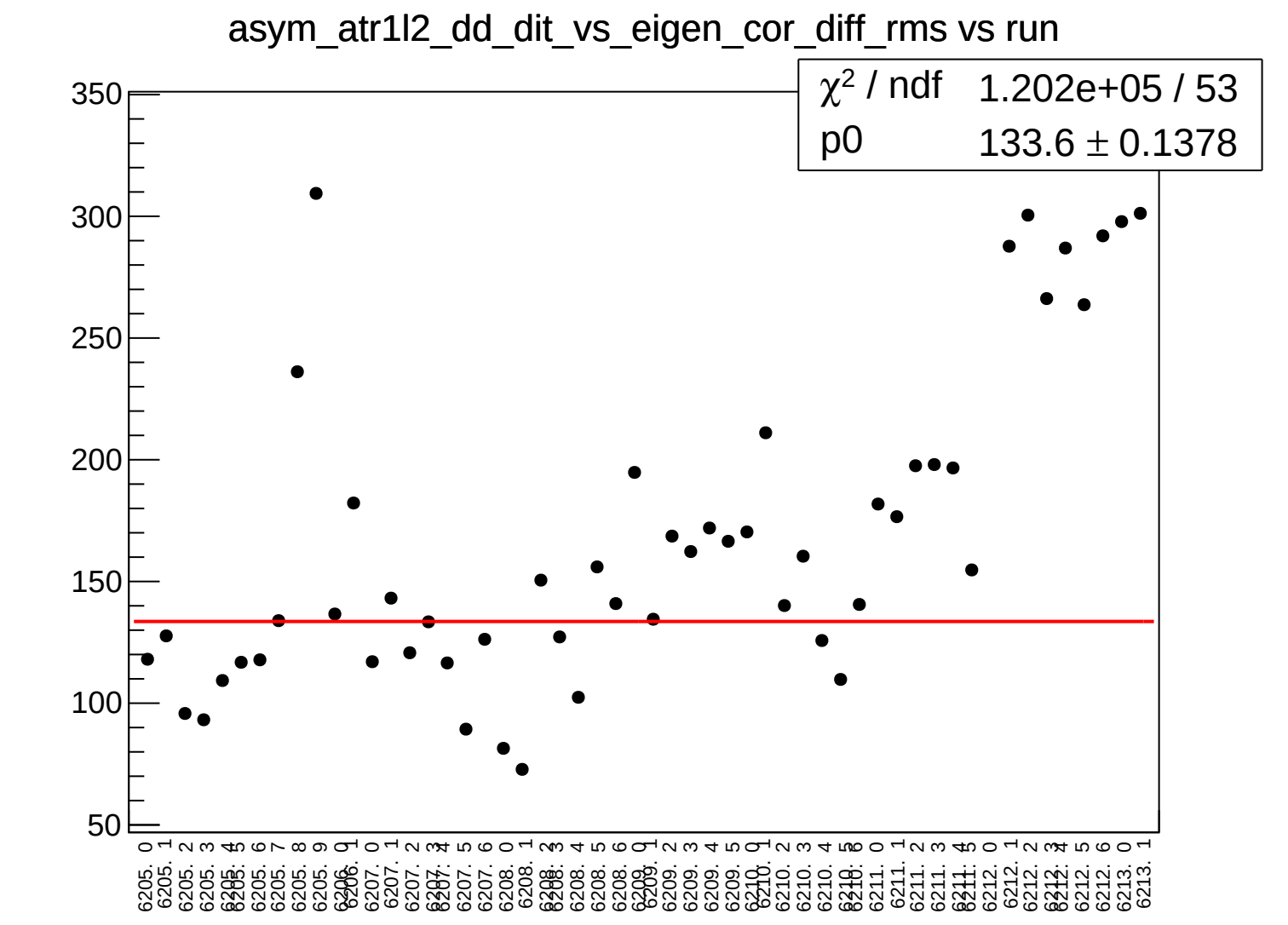

asym_atr1l2_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 47.76 / 53
p0 0.3716 ± 0.1949
pull
Entries 54
Mean 56.65
Std Dev 0

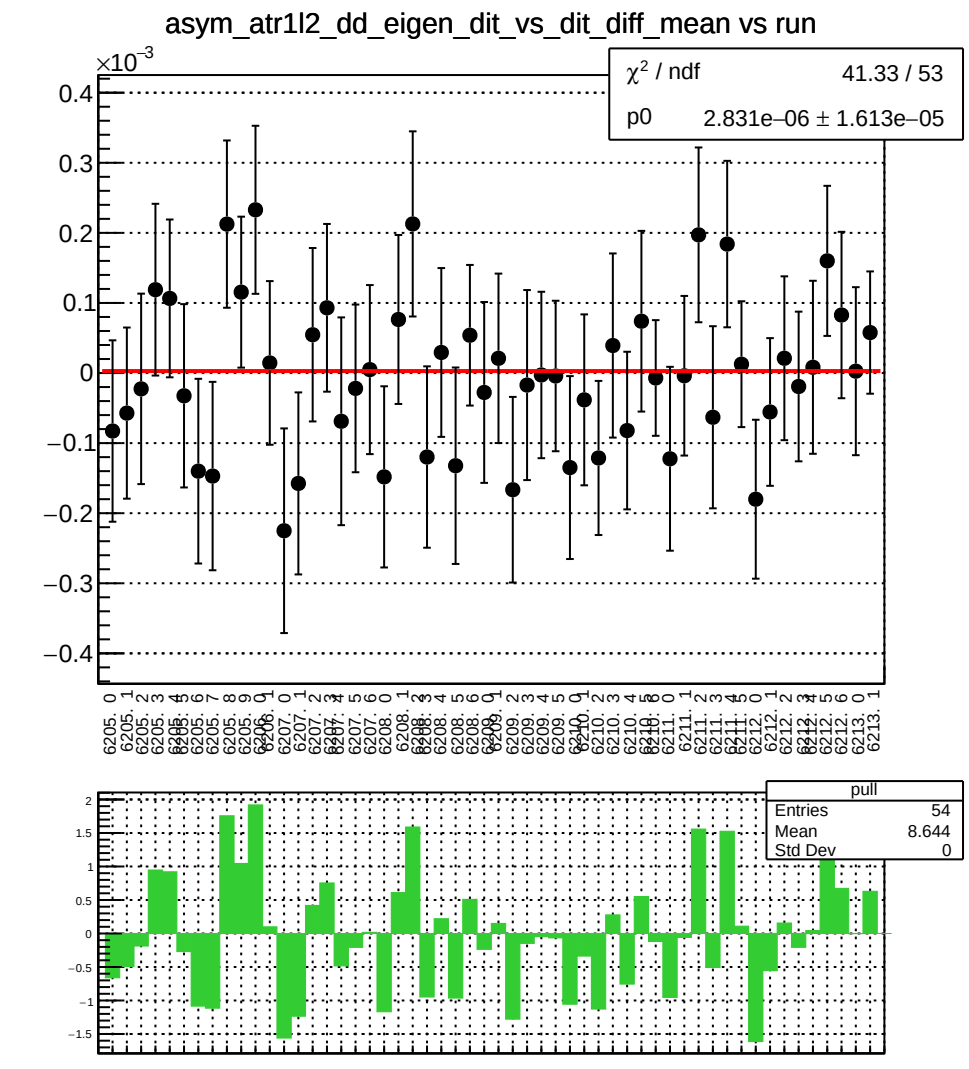

pull1D
Entries 54
Mean −0.03263
Std Dev 0.9399

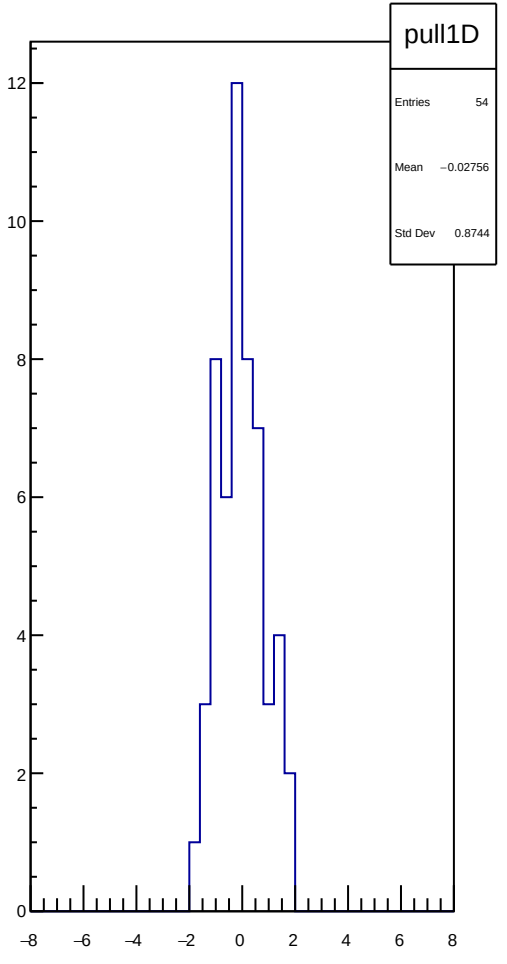

asym_atr1l2_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.202e+05 / 53
p0 133.6 ± 0.1378
350
300
250
200
150
100
50
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

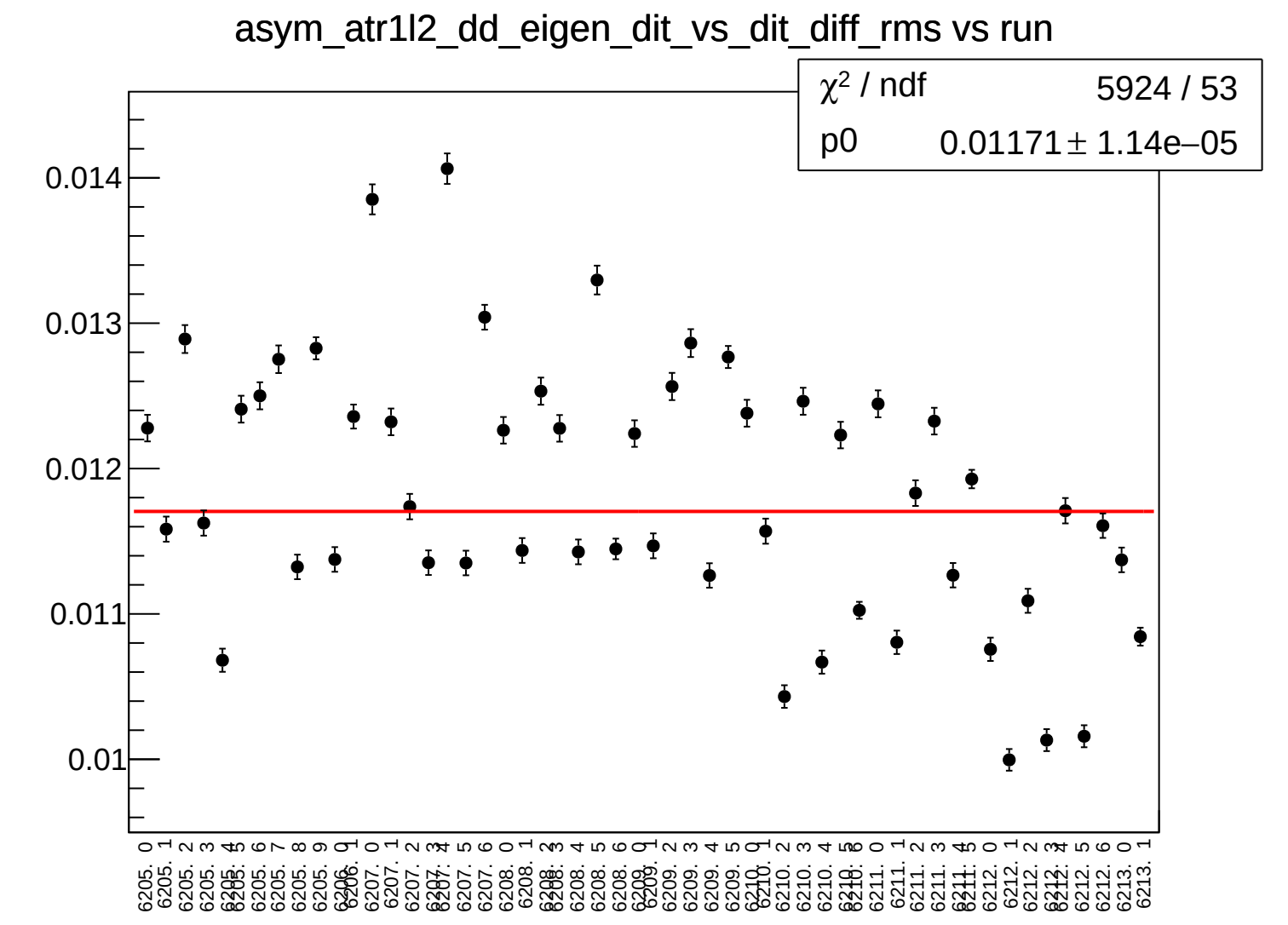

asym_atr1l2_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 47.76 / 53
p0 0.3716 ± 0.1949
pull
Entries 54
Mean 56.65
Std Dev 0

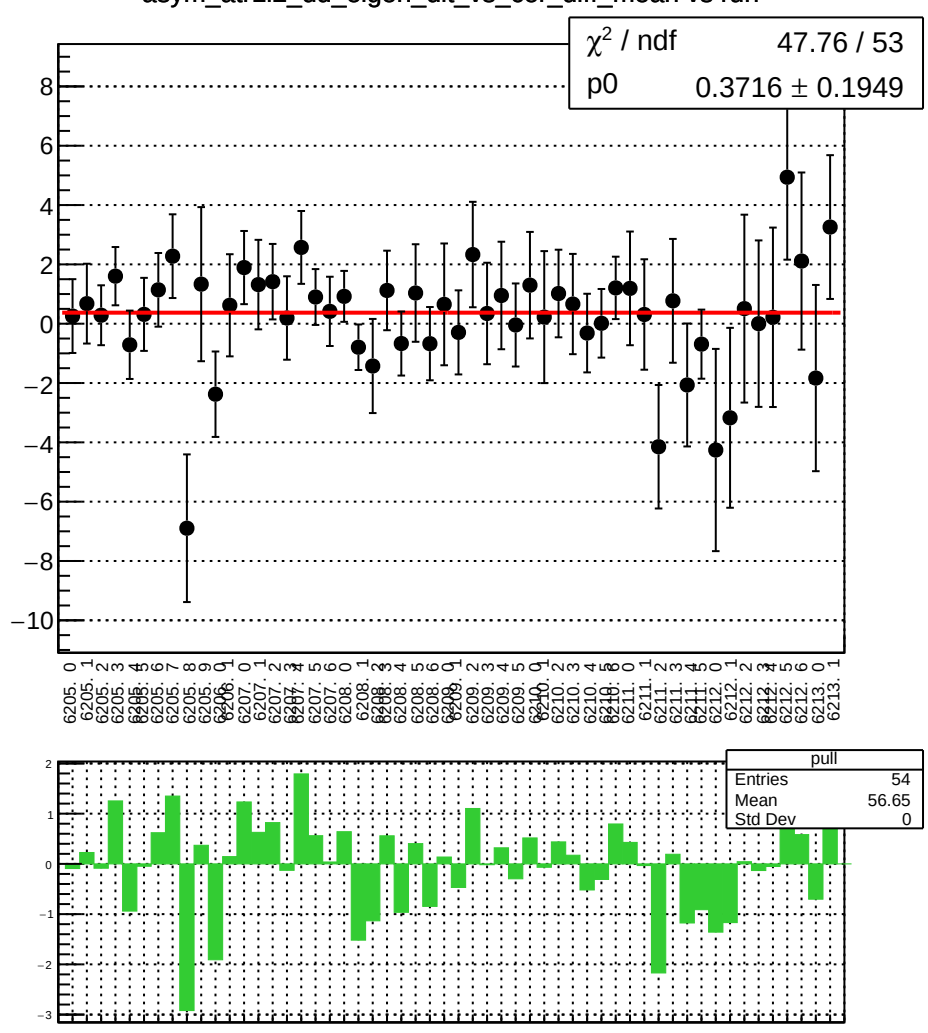

pull1D
Entries 54
Mean −0.03263
Std Dev 0.9399

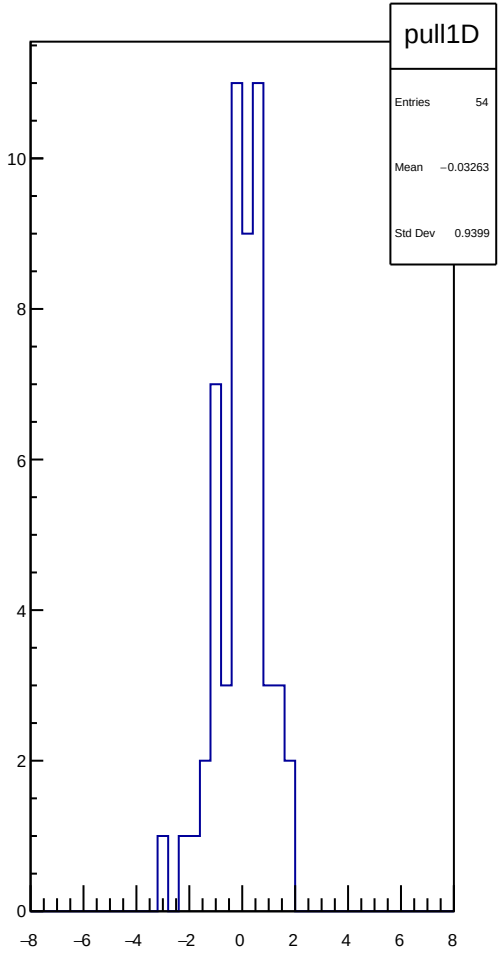

asym_atr1l2_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.202e+05 / 53
p0 133.6 ± 0.1378
350
300
250
200
150
100
50
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

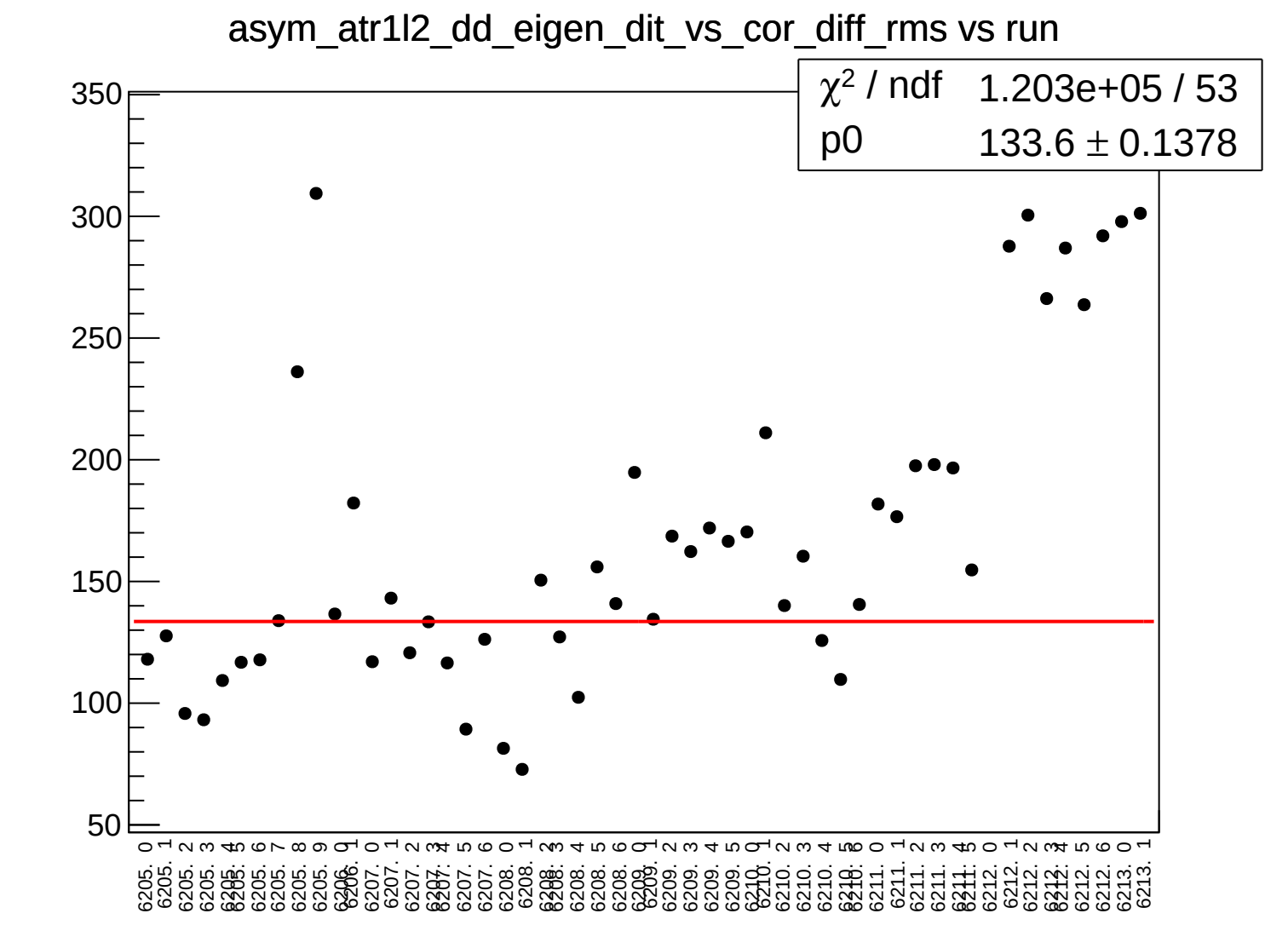

asym_atr1l2_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 41.33 / 53
p0 2.831e−06 ± 1.613e−05
pull
Entries 54
Mean 8.644
Std Dev 0


pull1D
Entries 54
Mean −0.02756
Std Dev 0.8744


asym_atr1l2_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5924 / 53
p0 0.01171 ± 1.14e–05
0.014
0.013
0.012
0.011
0.01
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_atr1l2_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 47.76 / 53
p0 0.3716 ± 0.1949
pull
Entries 54
Mean 56.65
Std Dev 0


pull1D
Entries 54
Mean −0.03263
Std Dev 0.9399


asym_atr1l2_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.203e+05 / 53
p0 133.6 ± 0.1378
350
300
250
200
150
100
50
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
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6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
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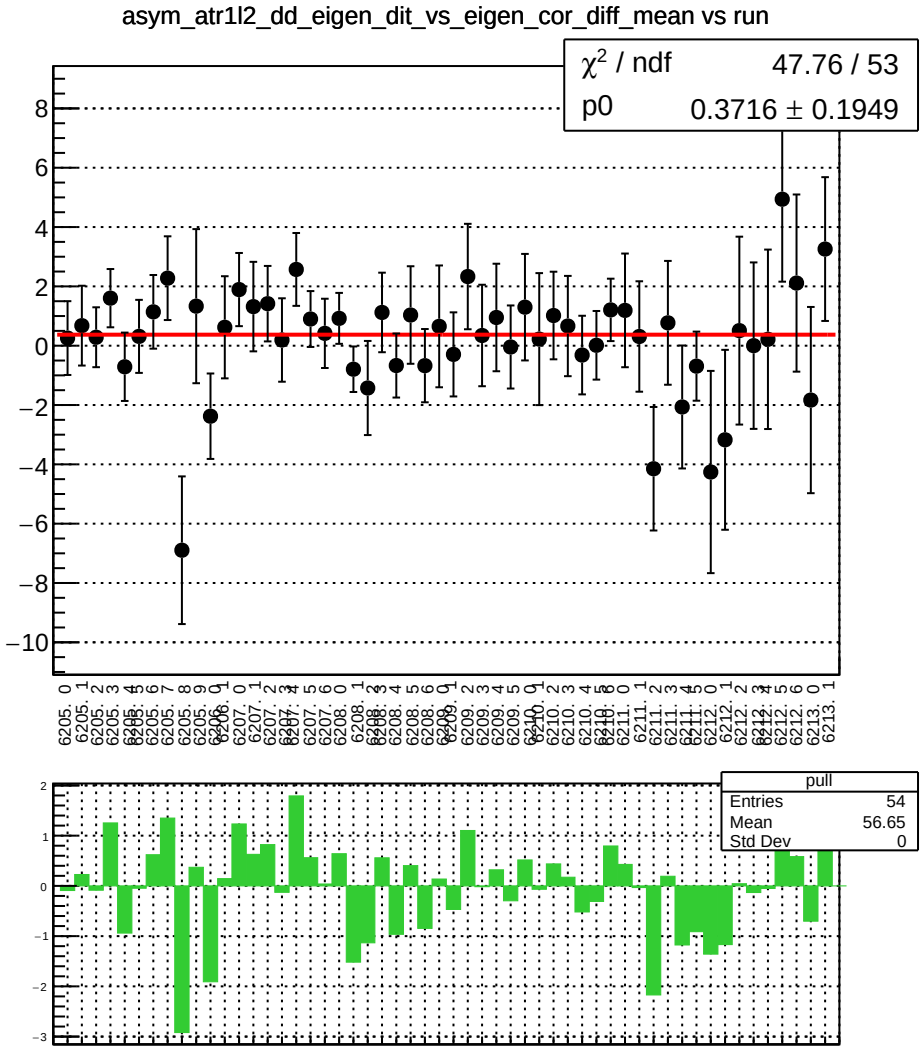
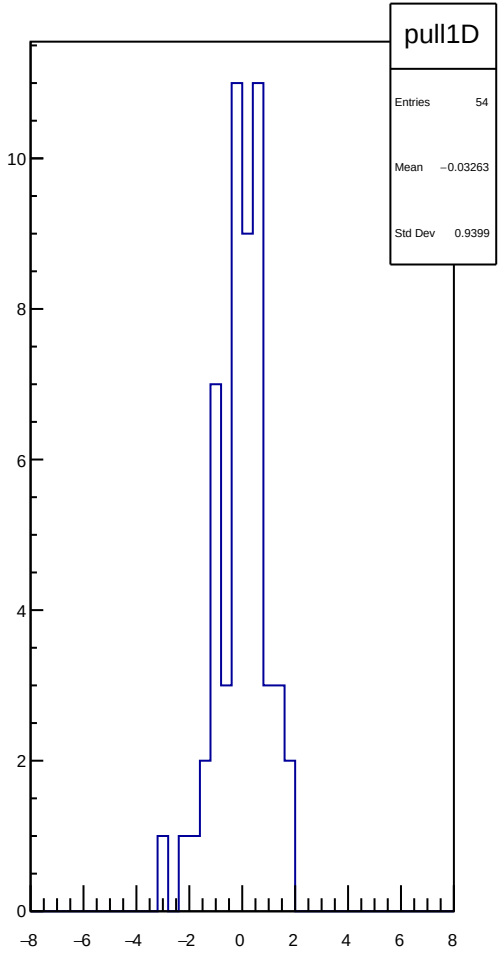
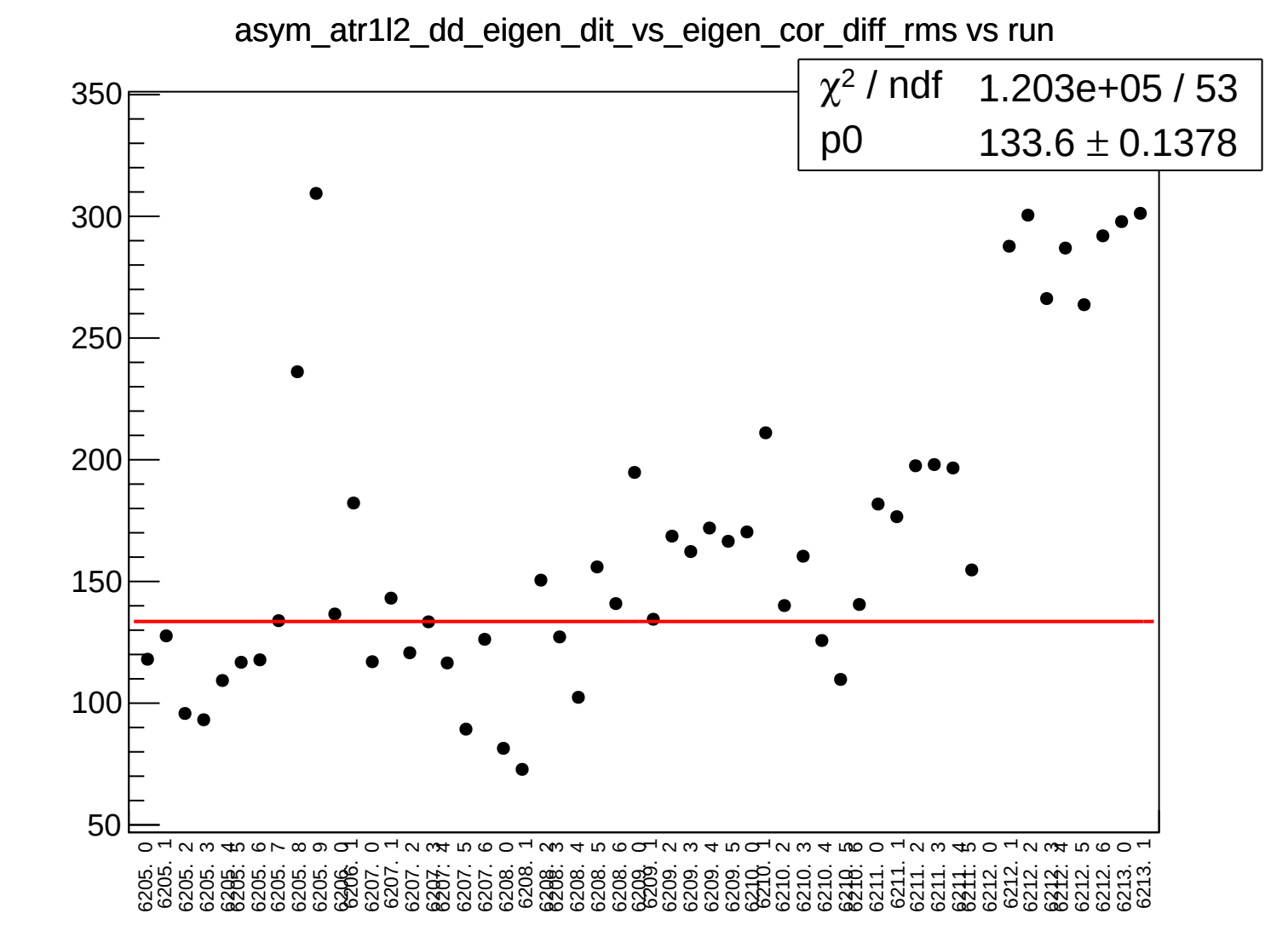
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 47.76 / 53
p0 0.3716 ± 0.1949
pull
Entries 54
Mean 56.65
Std Dev 0


pull1D
Entries 54
Mean −0.03263
Std Dev 0.9399


asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.203e+05 / 53
p0 133.6 ± 0.1378
350
300
250
200
150
100
50
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
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6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
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6208. 6
6209. 0
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6210. 0
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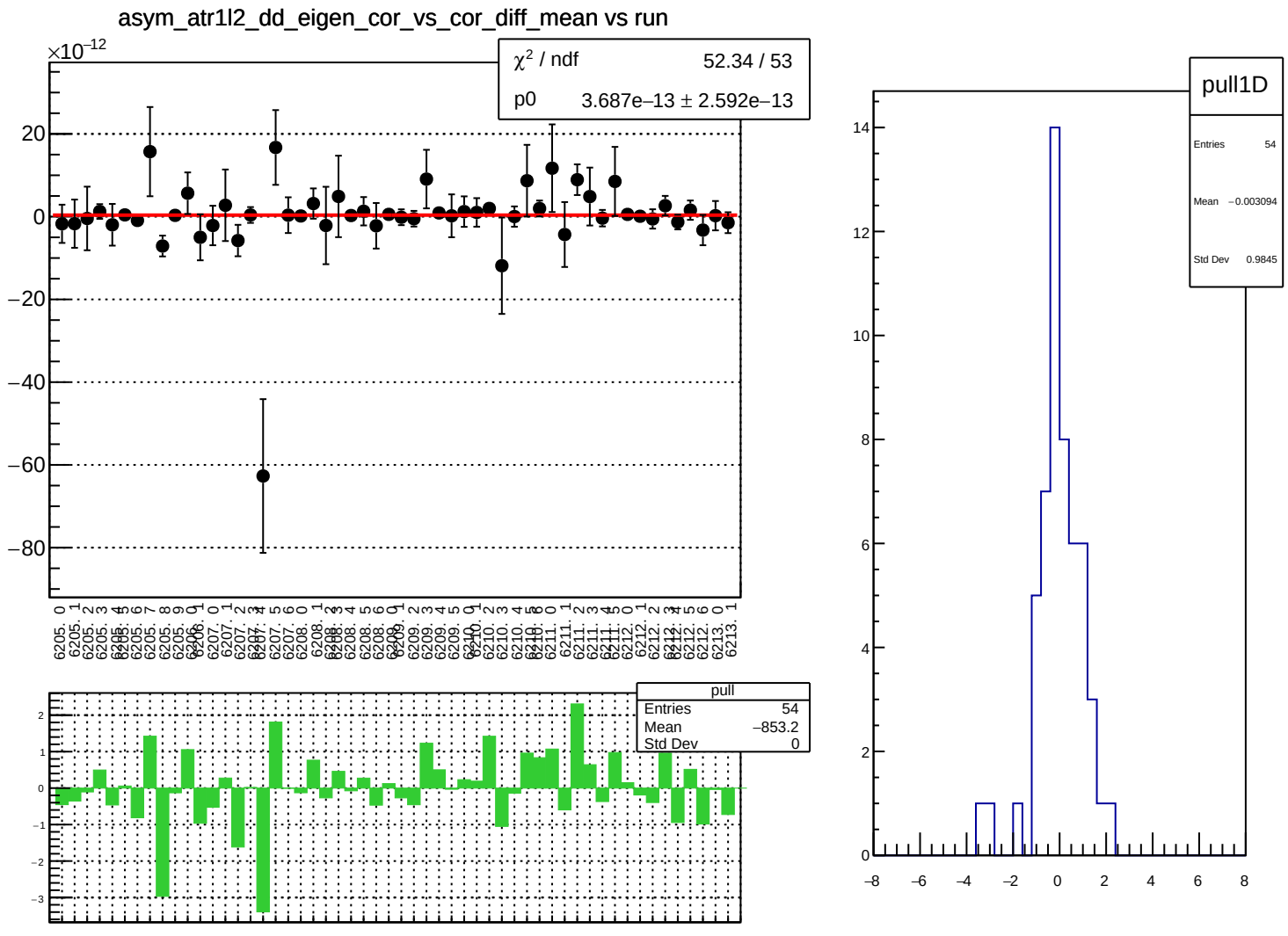
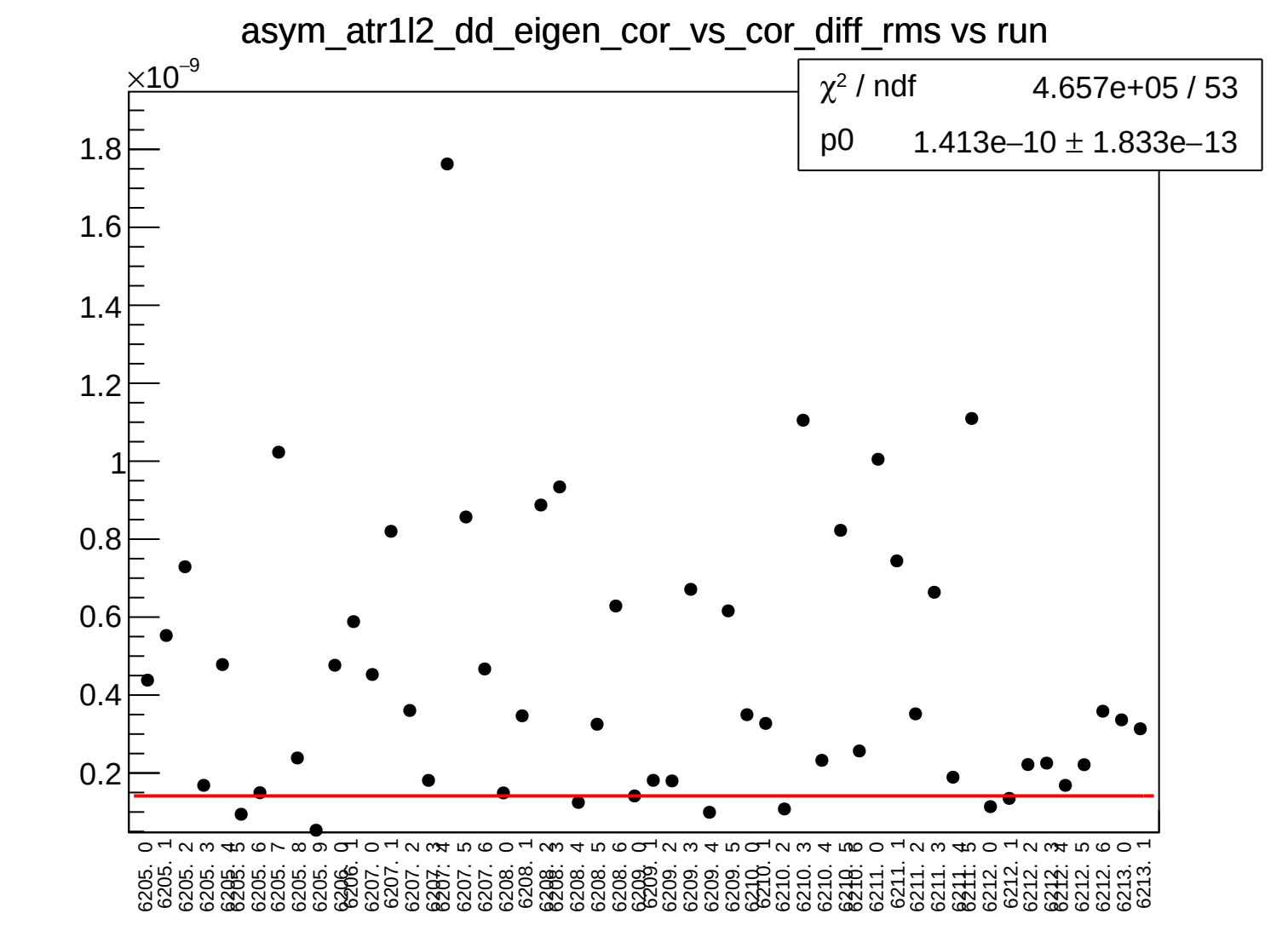
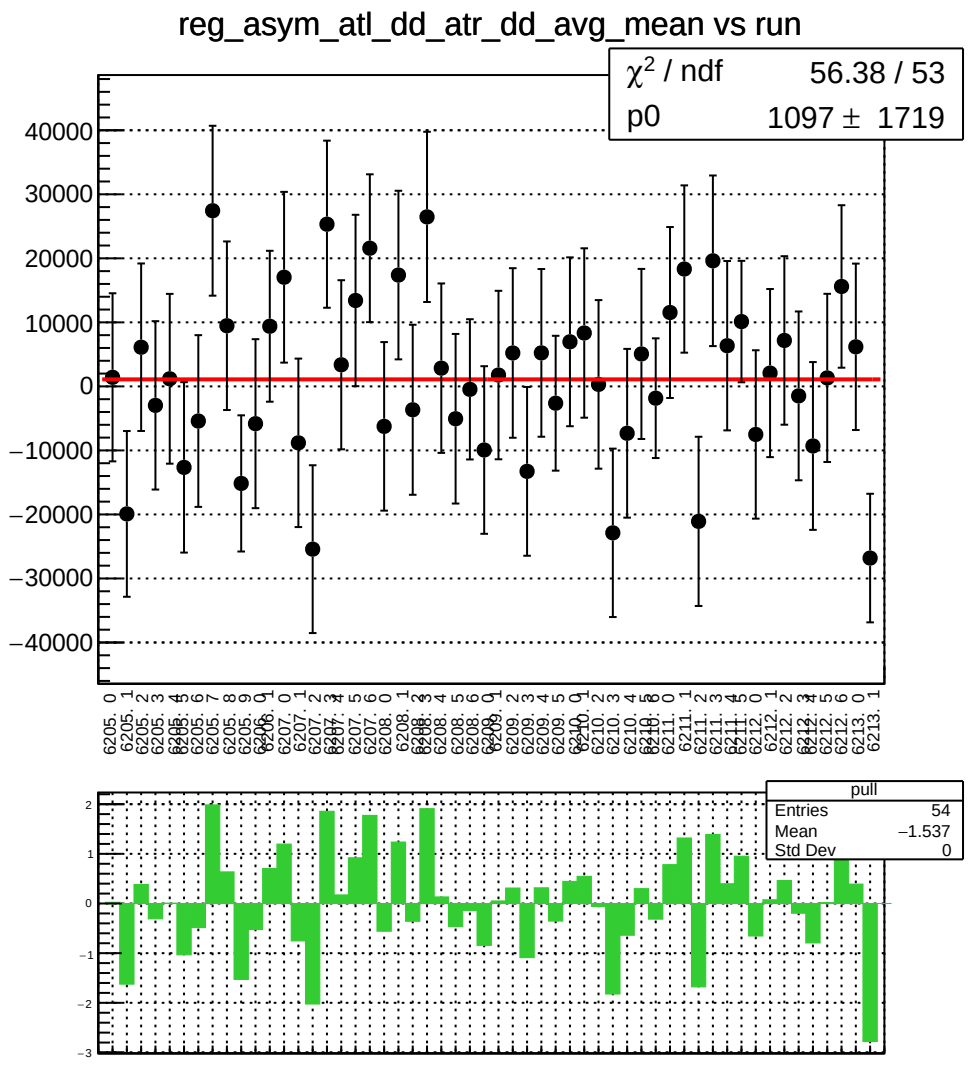
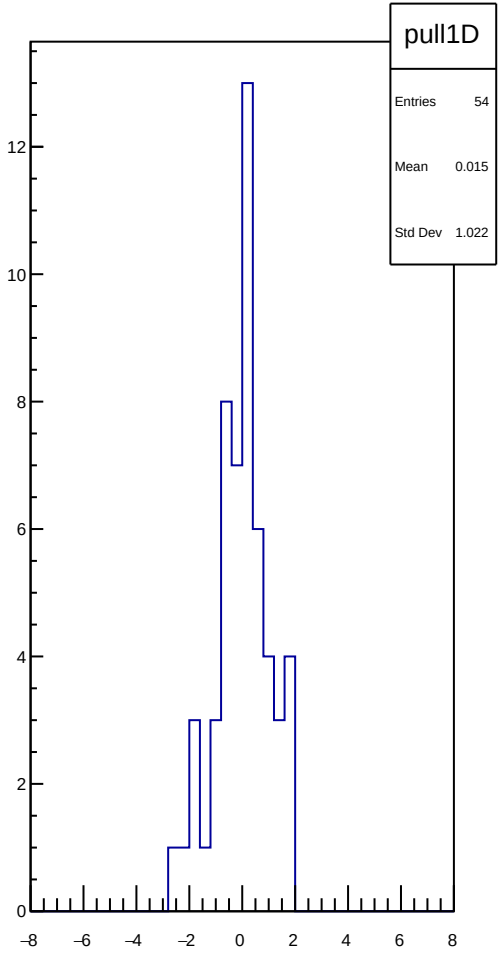
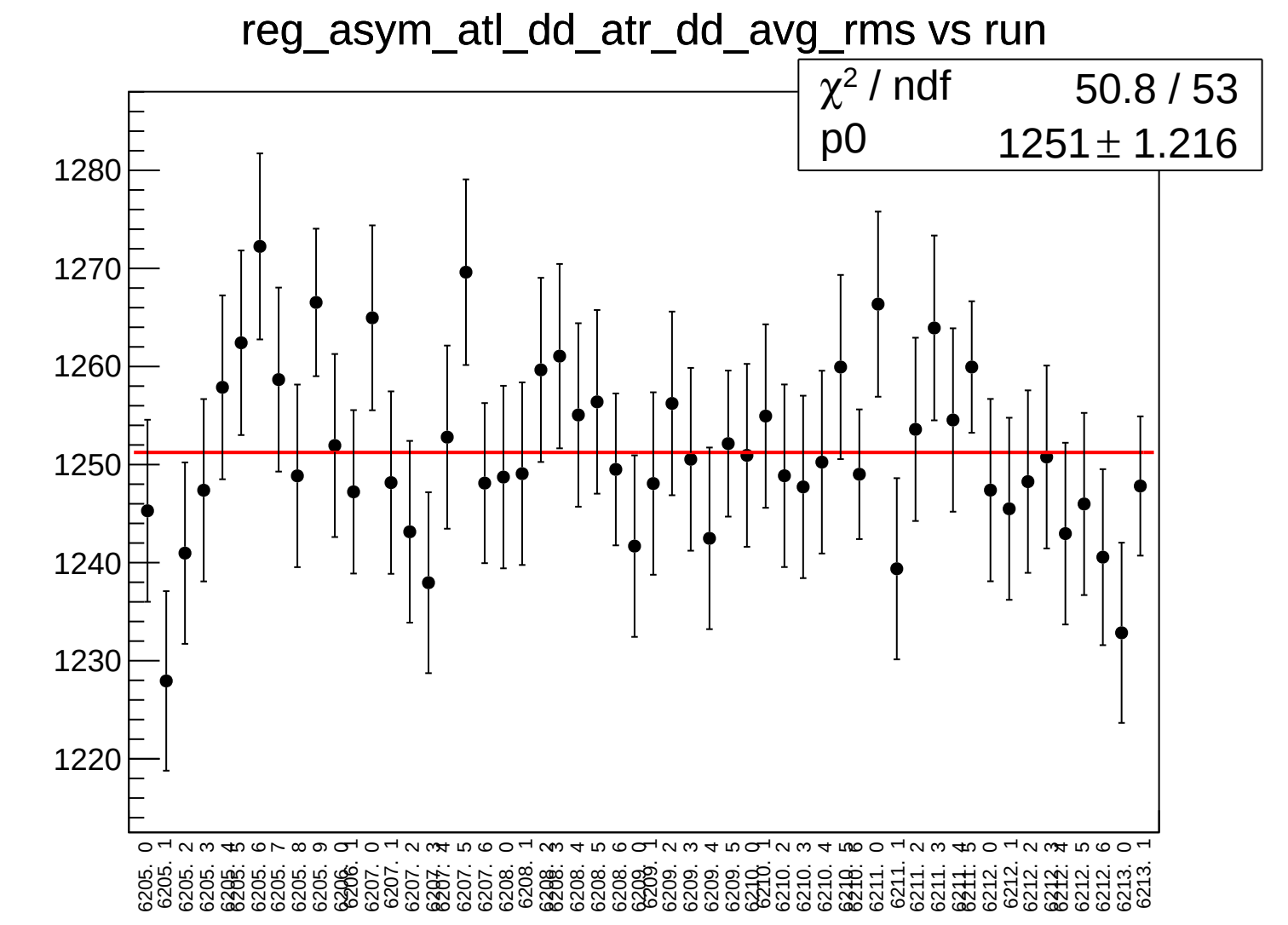
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

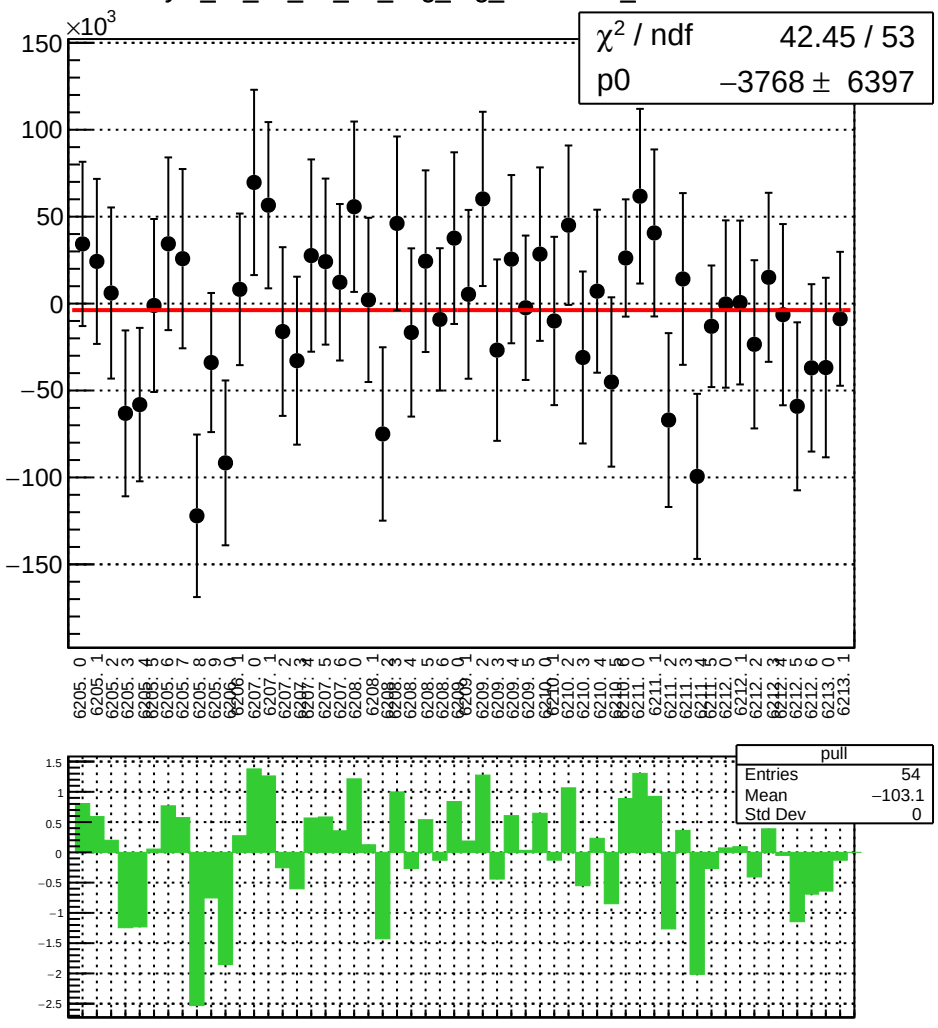

asym_atr1l2_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 52.34 / 53
p0 3.687e−13 ± 2.592e−13
20
0
−20
−40
−60
−80
pull
Entries 54
Mean −853.2
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 54
Mean −0.003094
Std Dev 0.9845
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

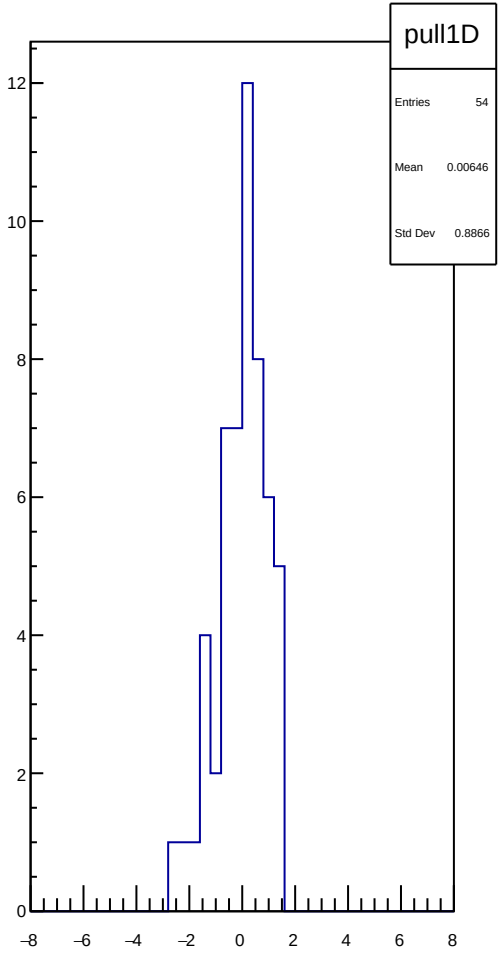

asym_atr1l2_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.657e+05 / 53
p0 1.413e−10 ± 1.833e−13
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

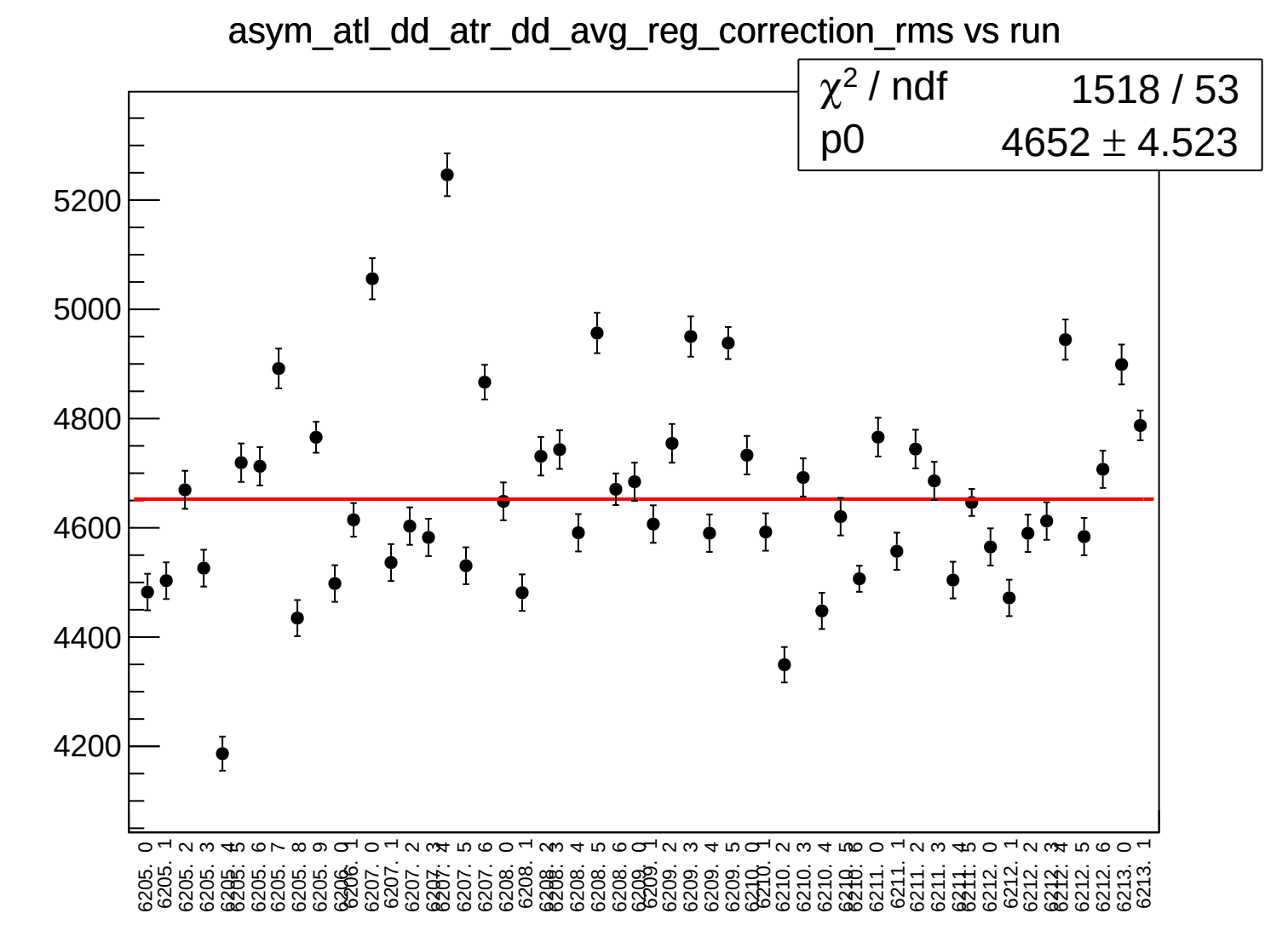

reg_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 56.38 / 53
p0 1097 ± 1719
pull
Entries 54
Mean −1.537
Std Dev 0

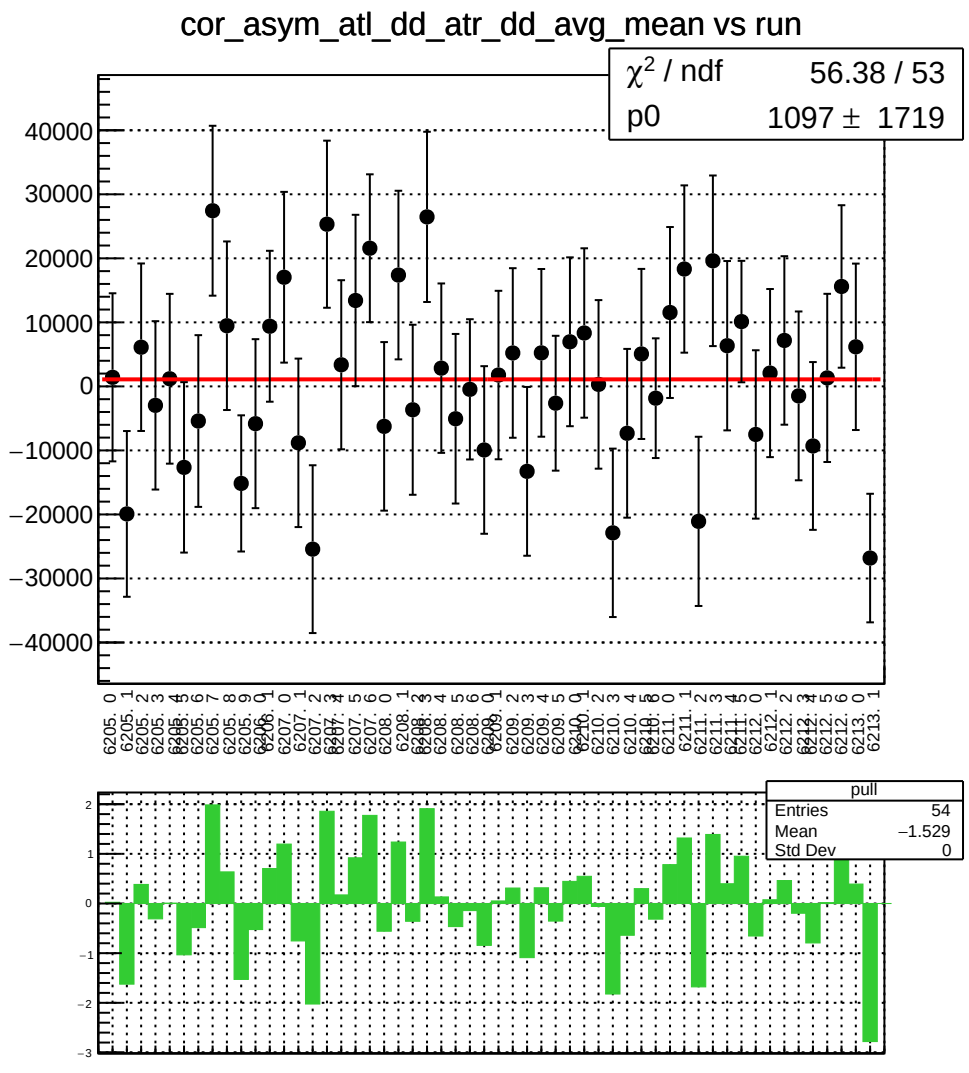

pull1D
Entries 54
Mean 0.015
Std Dev 1.022

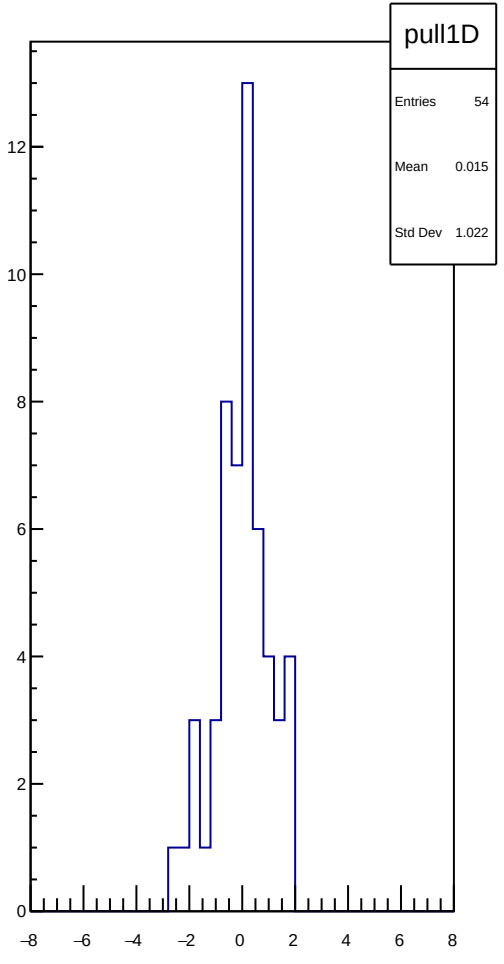

reg_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 50.8 / 53
p0 1251 ± 1.216
1280
1270
1260
1250
1240
1230
1220
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

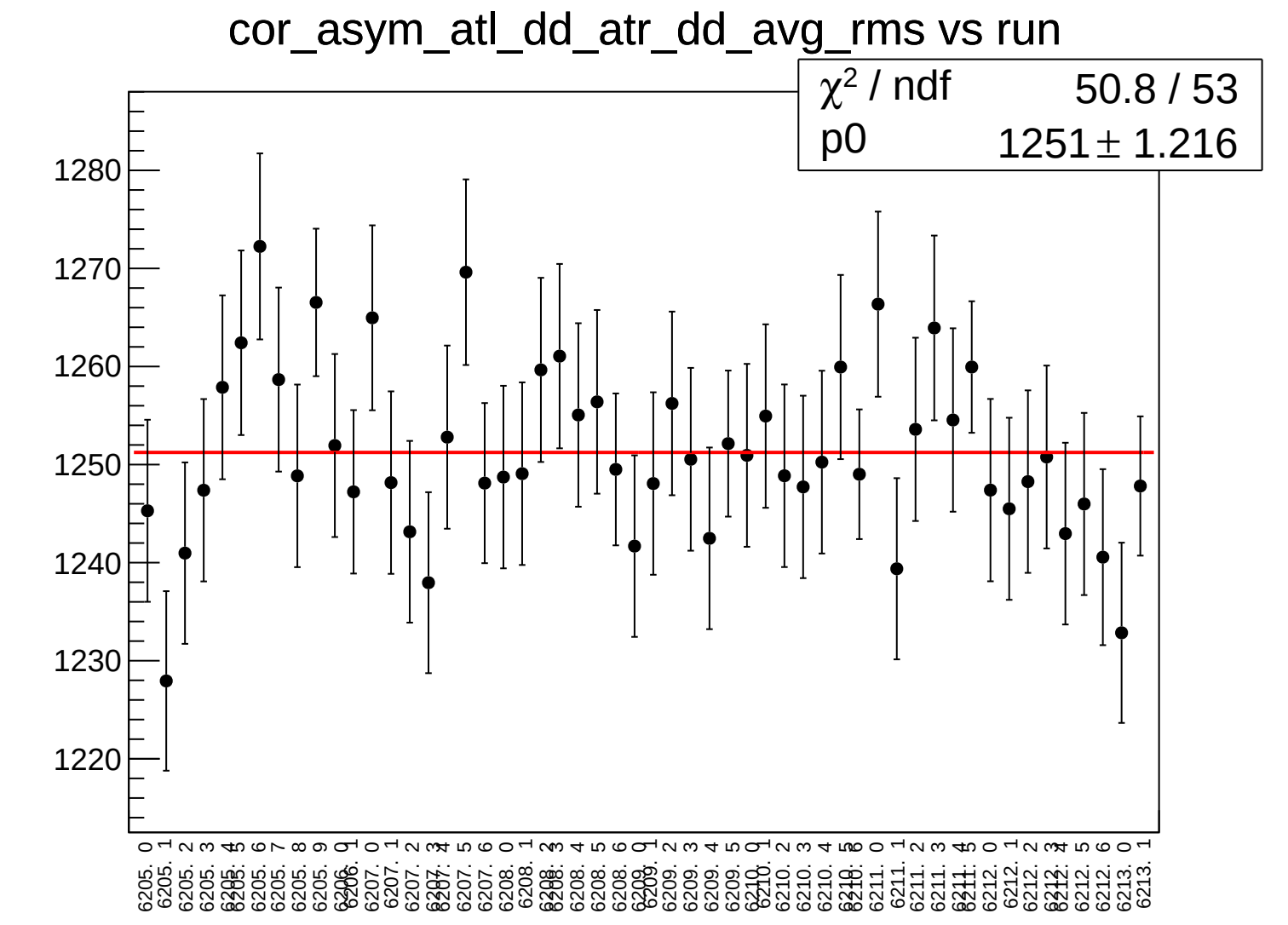

asym_atl_dd_atr_dd_avg_reg_correction_mean vs run
×10^3
χ² / ndf 42.45 / 53
p0 −3768 ± 6397
pull
Entries 54
Mean −103.1
Std Dev 0

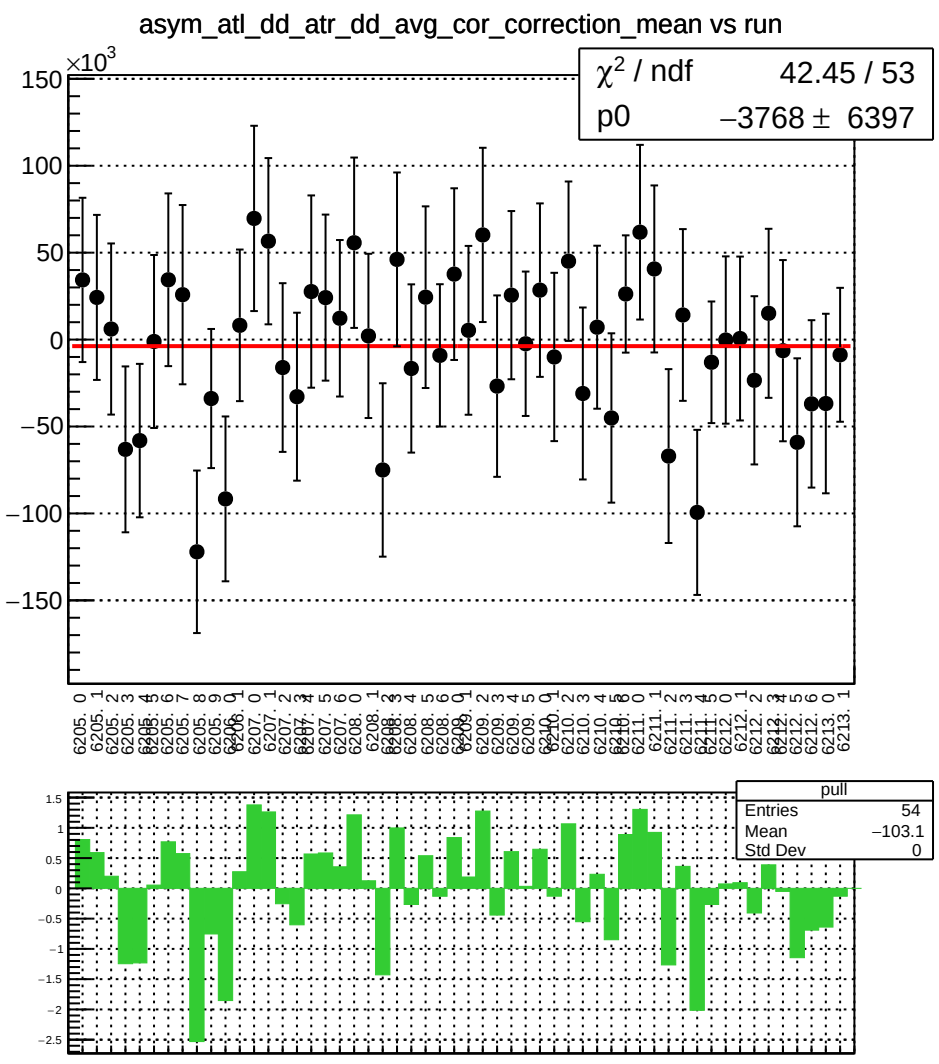

pull1D
Entries 54
Mean 0.00646
Std Dev 0.8866

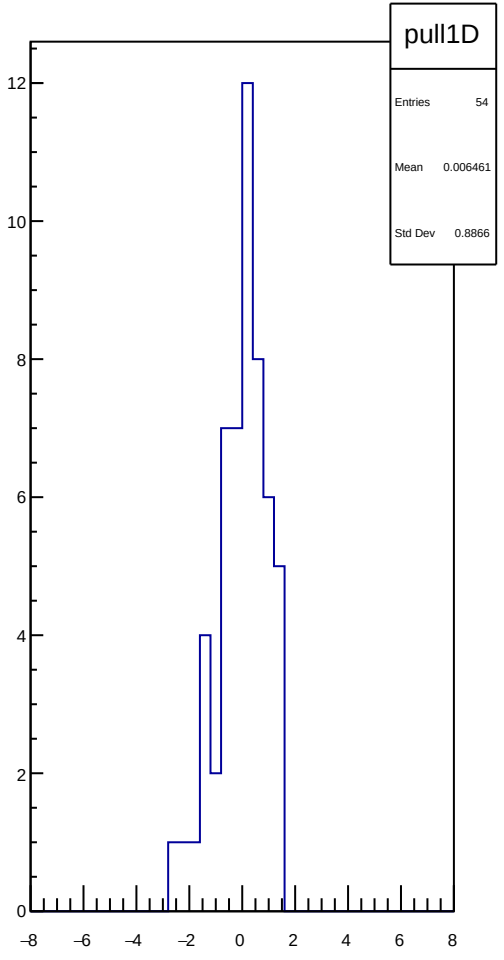

asym_atl_dd_atr_dd_avg_reg_correction_rms vs run
χ² / ndf 1518 / 53
p0 4652 ± 4.523
5200
5000
4800
4600
4400
4200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

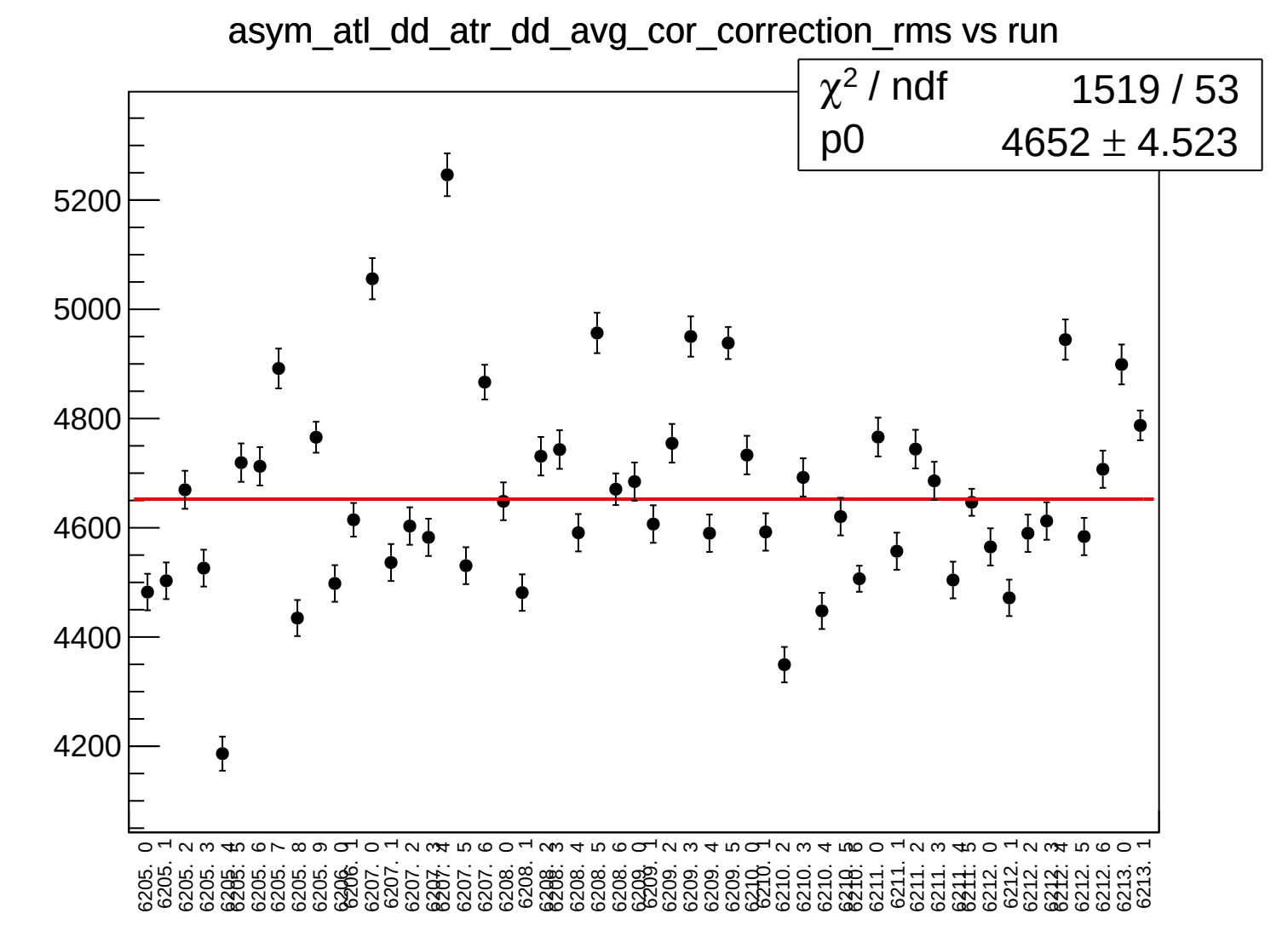

cor_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 56.38 / 53
p0 1097 ± 1719
pull
Entries 54
Mean −1.529
Std Dev 0

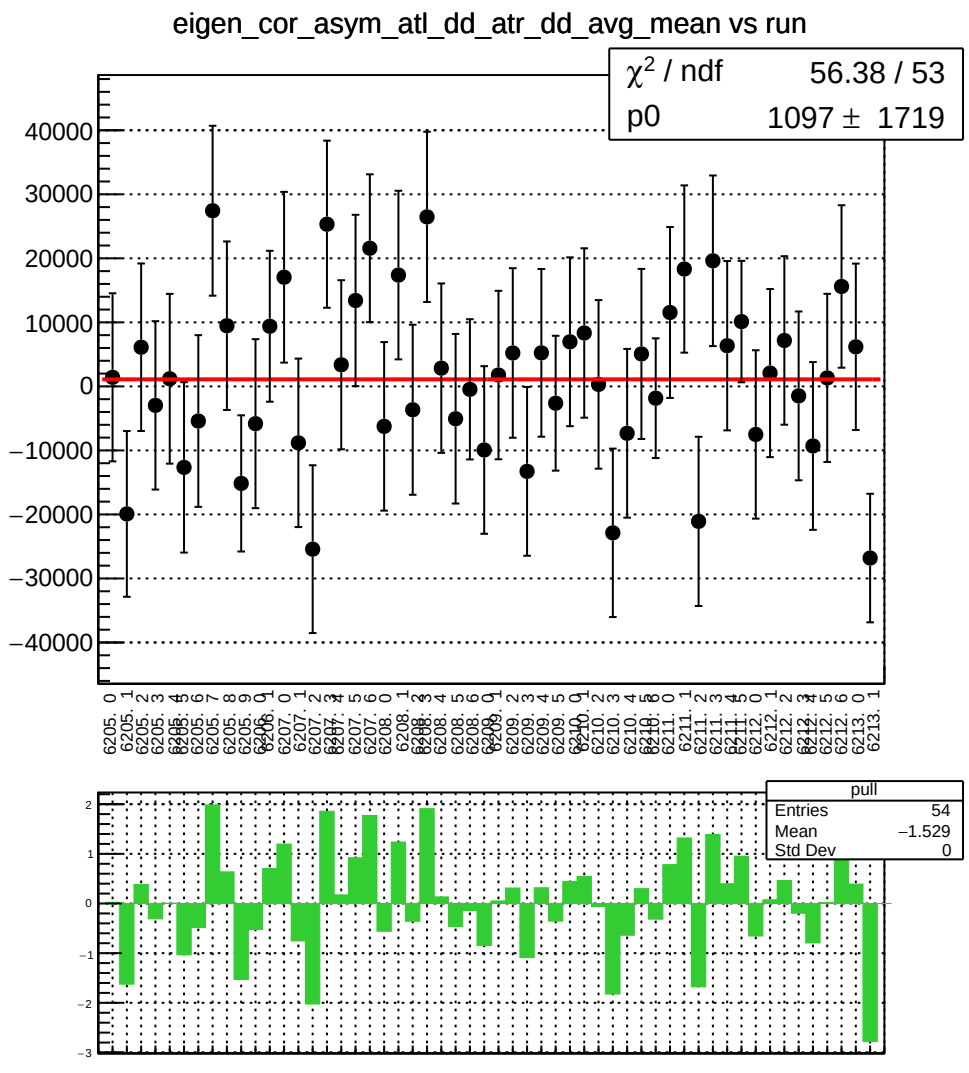

pull1D
Entries 54
Mean 0.015
Std Dev 1.022

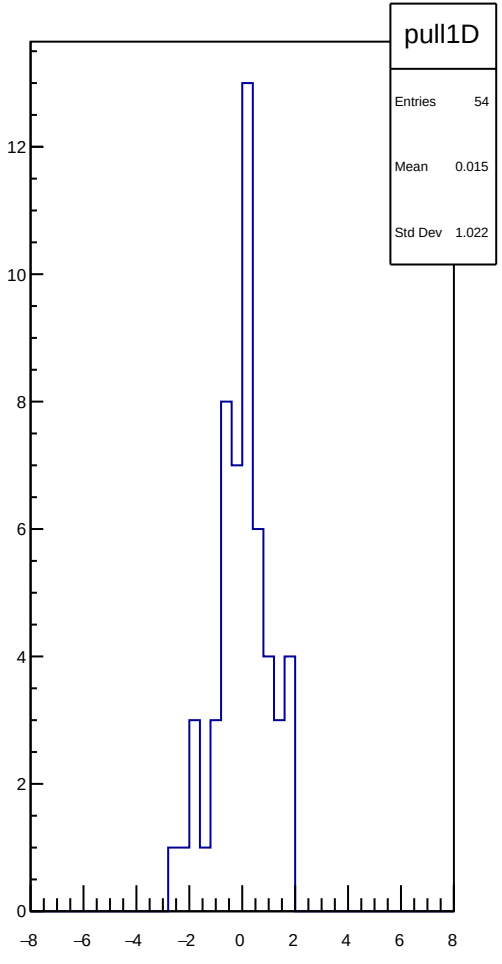

cor_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 50.8 / 53
p0 1251 ± 1.216
1280
1270
1260
1250
1240
1230
1220
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

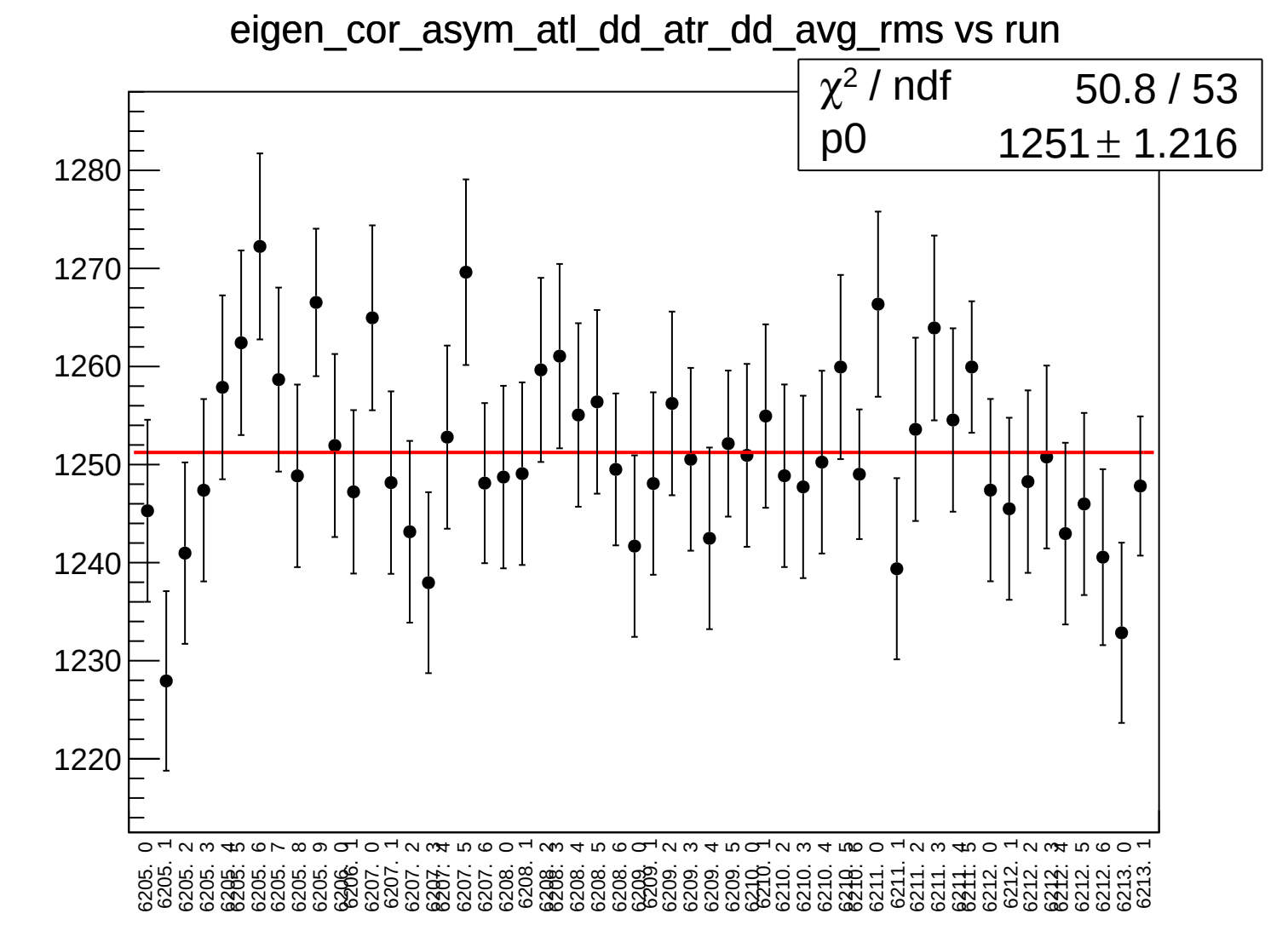

asym_atl_dd_atr_dd_avg_cor_correction_mean vs run
×10^3
χ² / ndf 42.45 / 53
p0 −3768 ± 6397
150
100
50
0
−50
−100
−150
pull
Entries 54
Mean −103.1
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

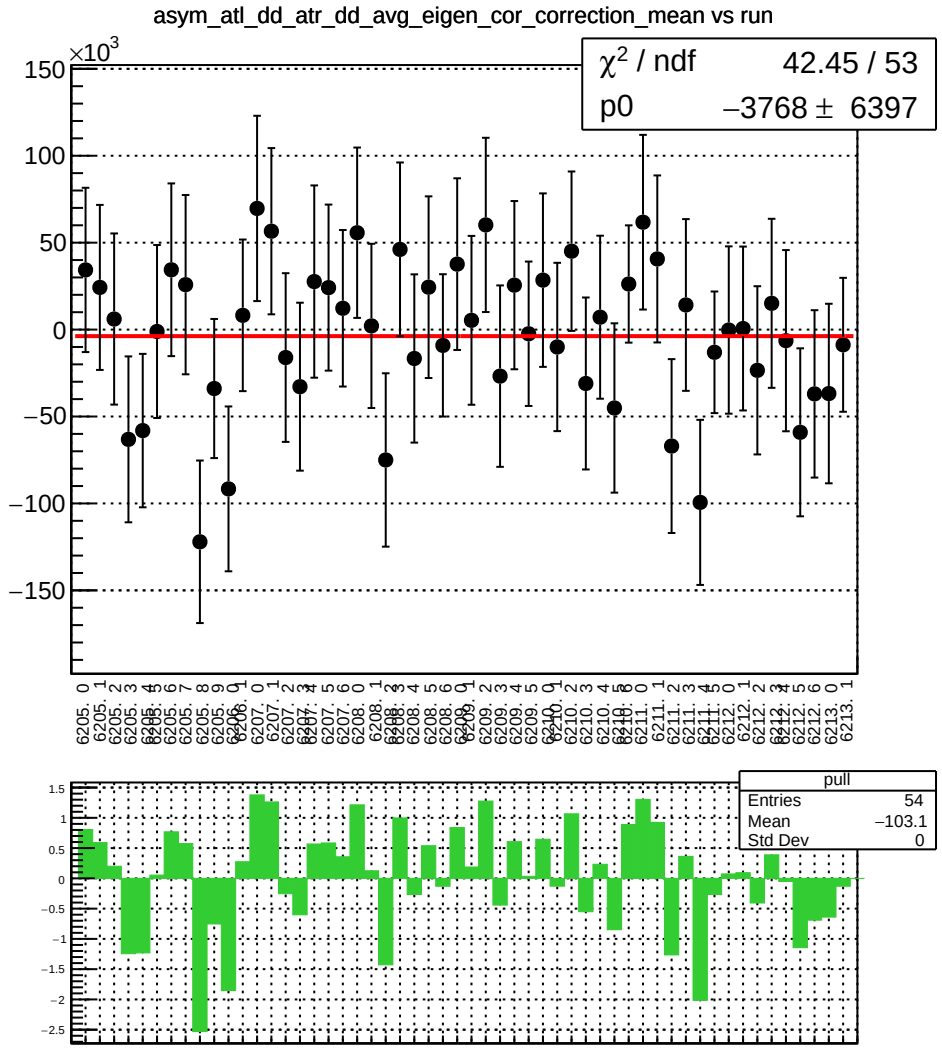

pull1D
Entries 54
Mean 0.006461
Std Dev 0.8866
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

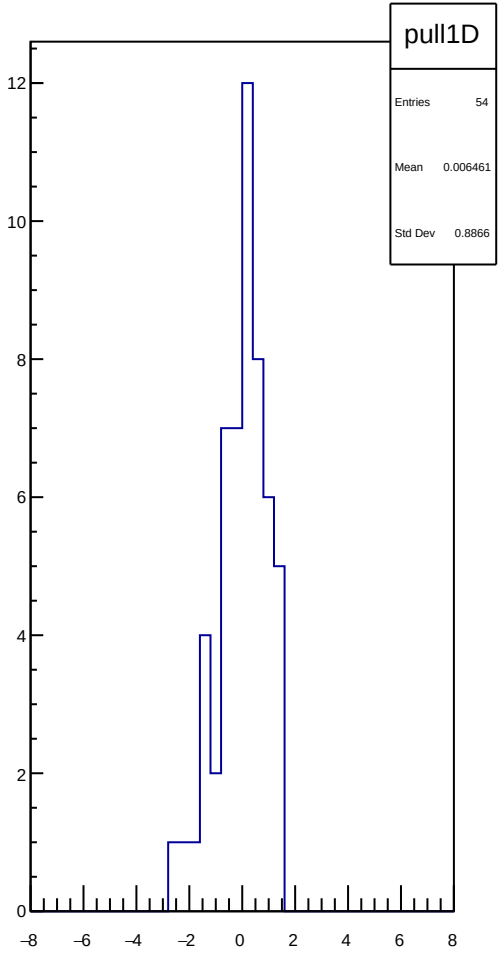

asym_atl_dd_atr_dd_avg_cor_correction_rms vs run
χ² / ndf 1519 / 53
p0 4652 ± 4.523
5200
5000
4800
4600
4400
4200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

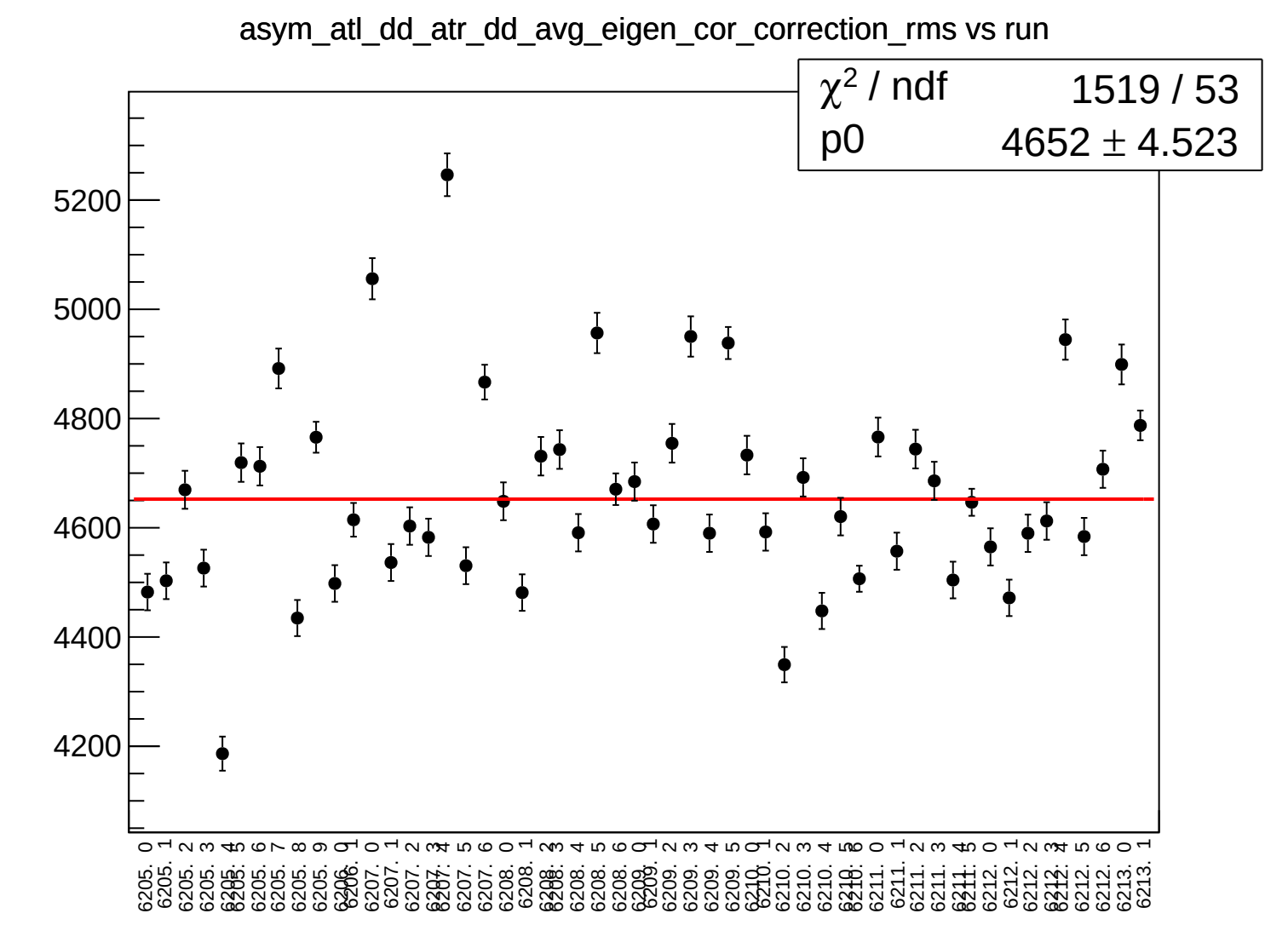

eigen_cor_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 56.38 / 53
p0 1097 ± 1719
pull
Entries 54
Mean −1.529
Std Dev 0


pull1D
Entries 54
Mean 0.015
Std Dev 1.022


eigen_cor_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 50.8 / 53
p0 1251 ± 1.216
1280
1270
1260
1250
1240
1230
1220
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_atl_dd_atr_dd_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 42.45 / 53
p0 −3768 ± 6397
pull
Entries 54
Mean −103.1
Std Dev 0


pull1D
Entries 54
Mean 0.006461
Std Dev 0.8866


asym_atl_dd_atr_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 1519 / 53
p0 4652 ± 4.523
5200
5000
4800
4600
4400
4200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
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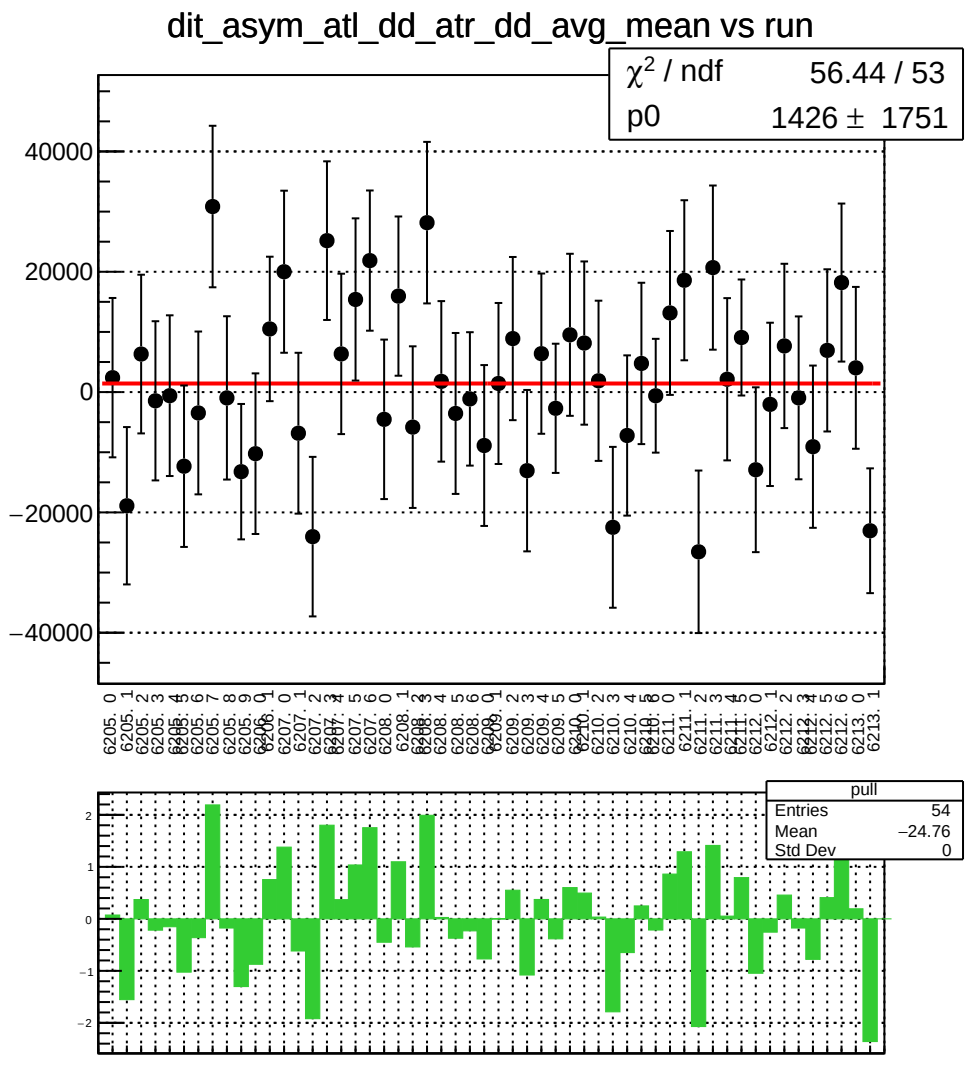
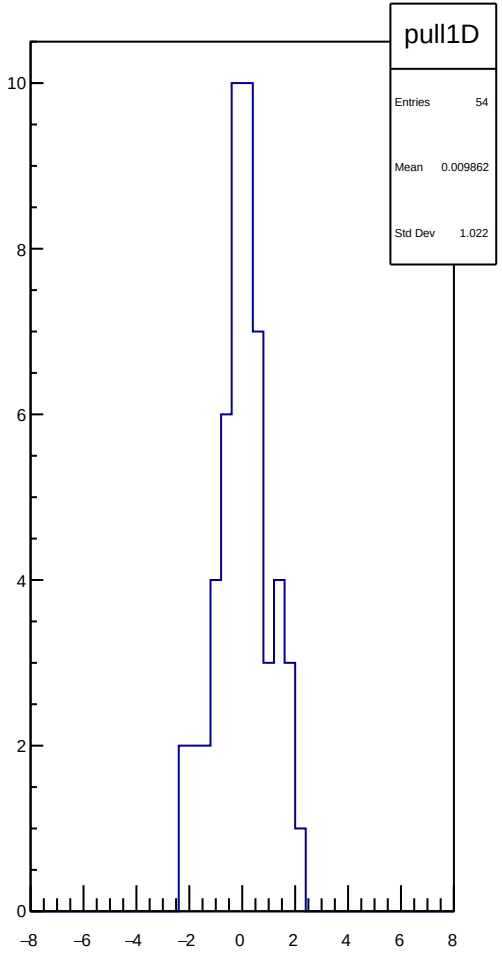
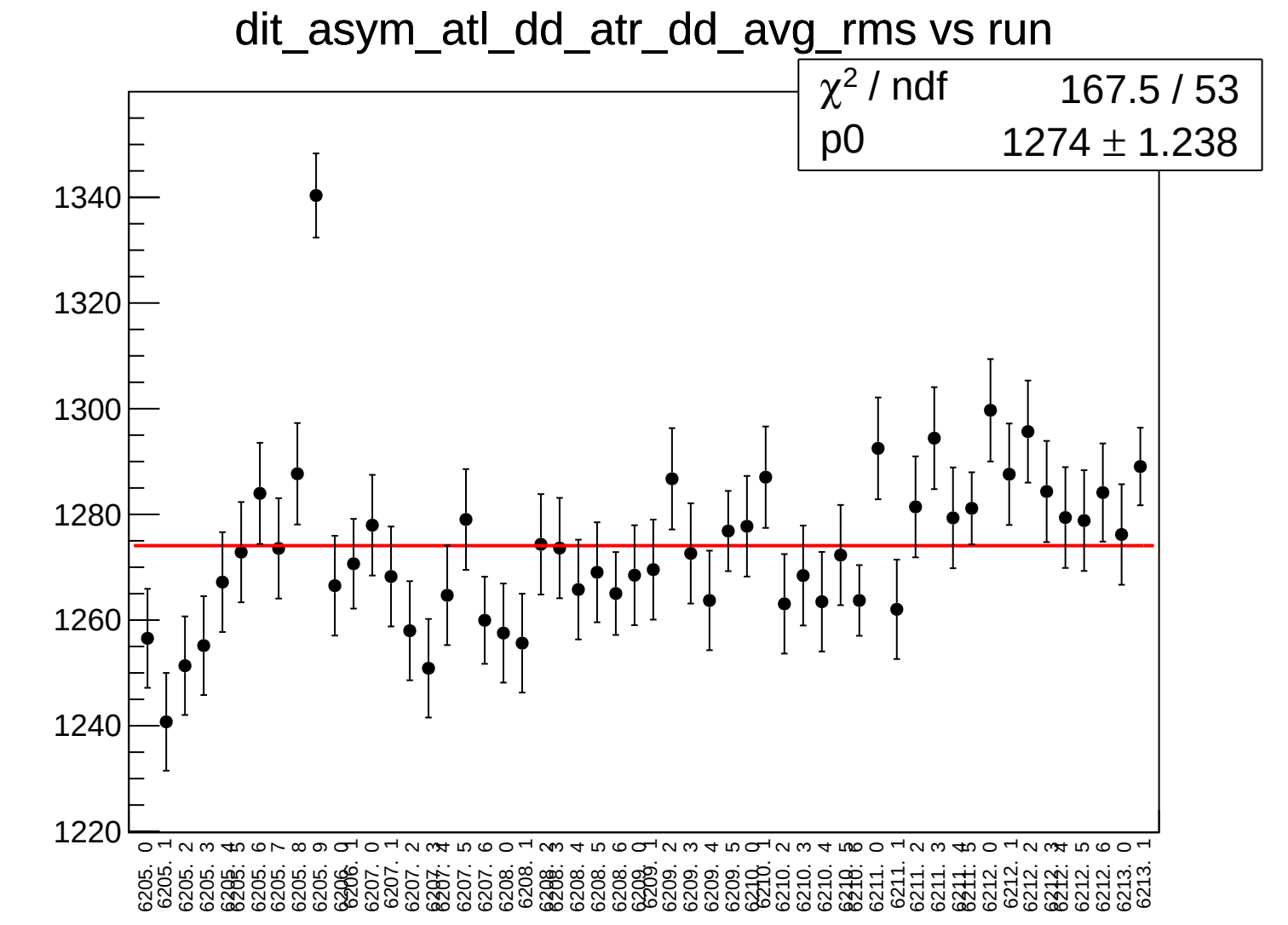
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


dit_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 56.44 / 53
p0 1426 ± 1751
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −24.76
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 54
Mean 0.009862
Std Dev 1.022
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 167.5 / 53
p0 1274 ± 1.238
1340
1320
1300
1280
1260
1240
1220
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
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6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
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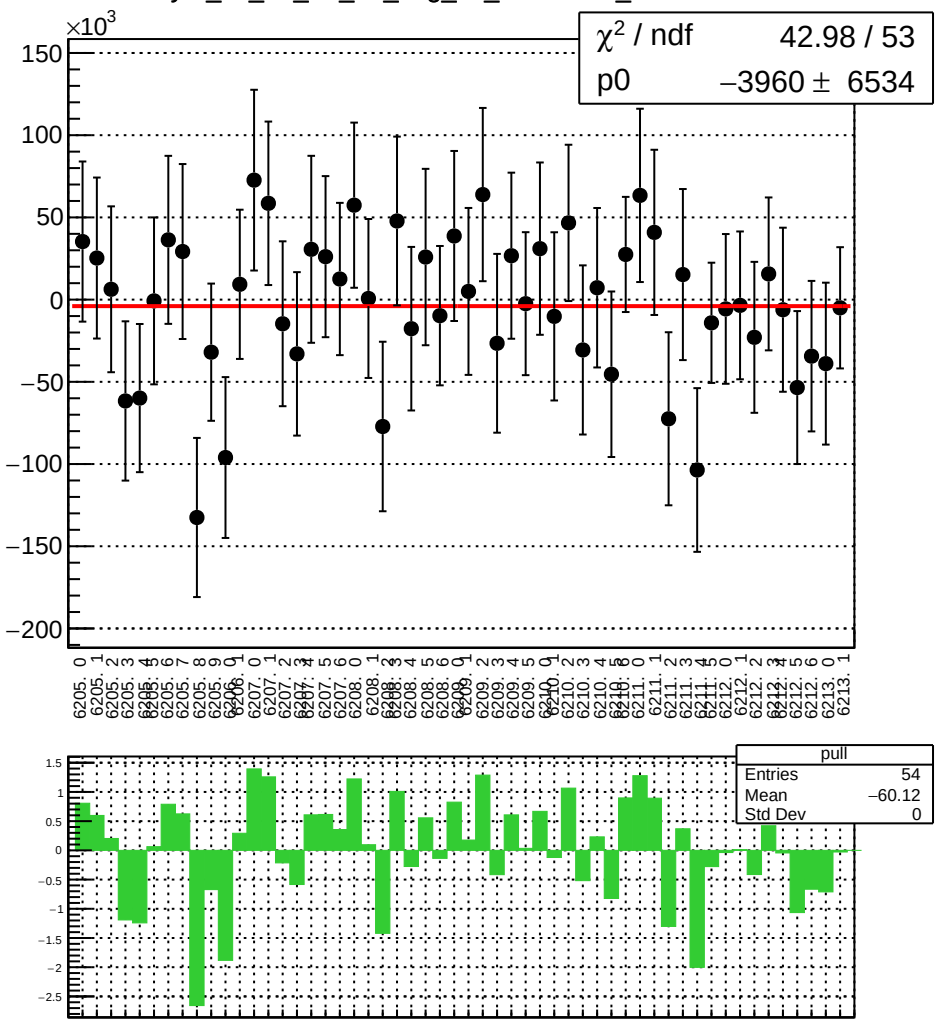
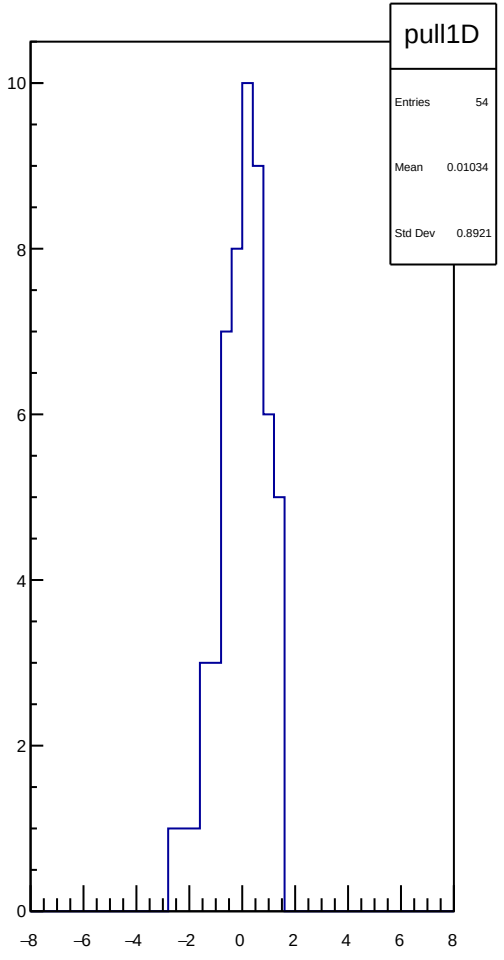
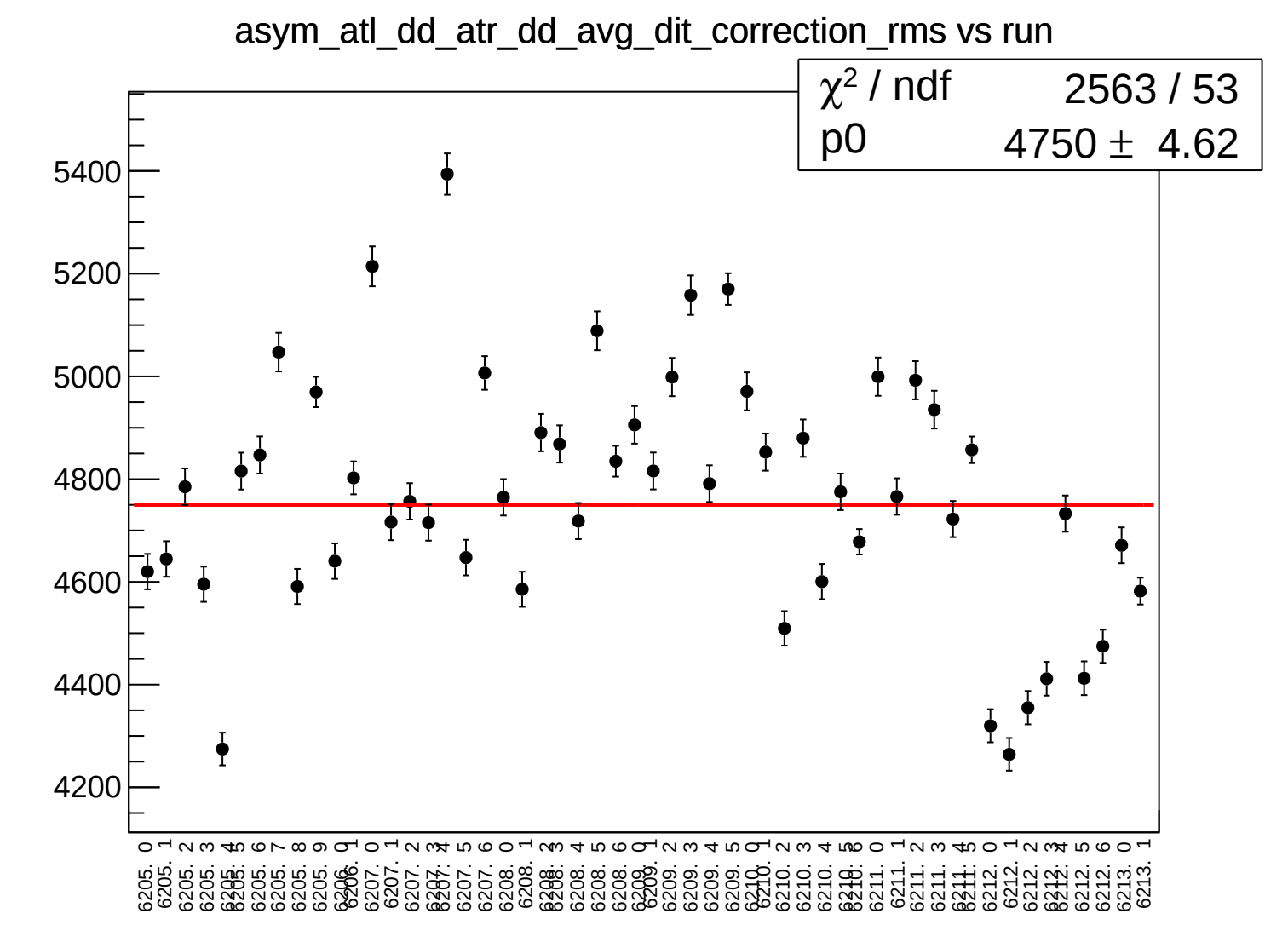
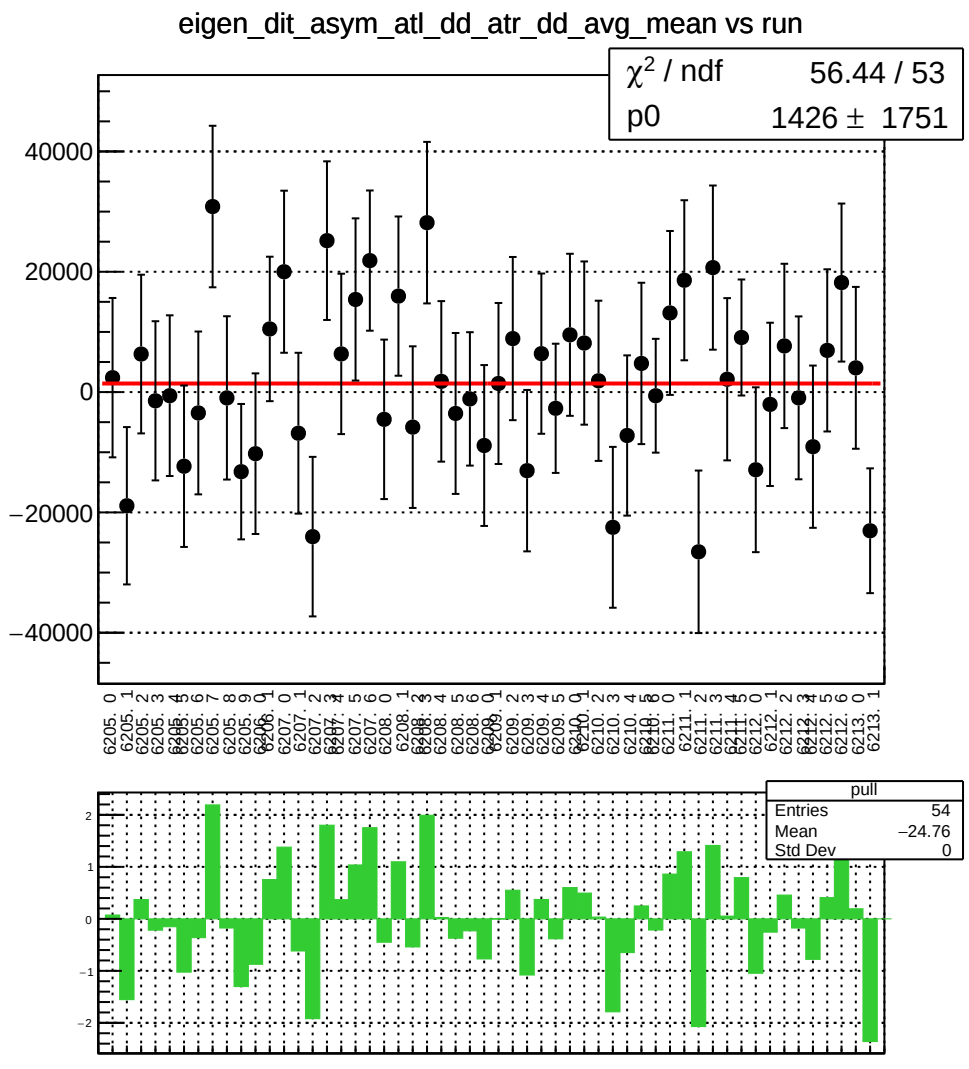
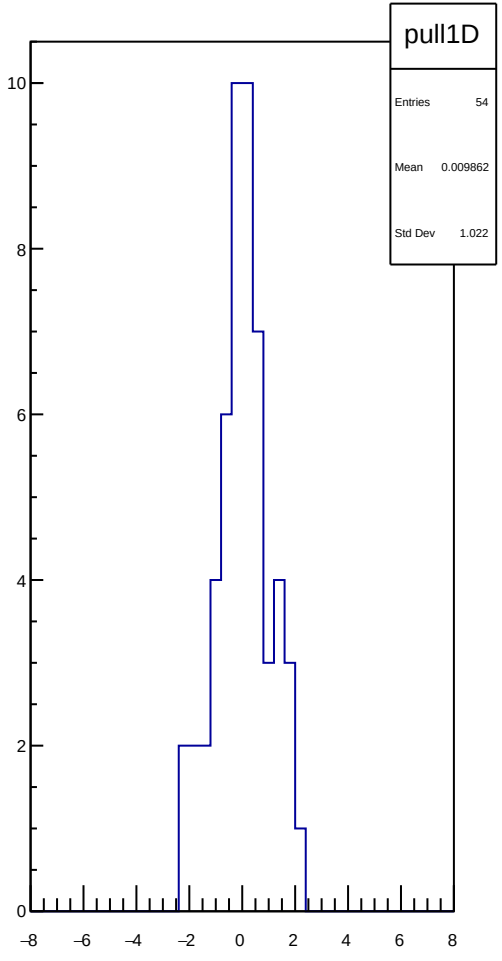
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

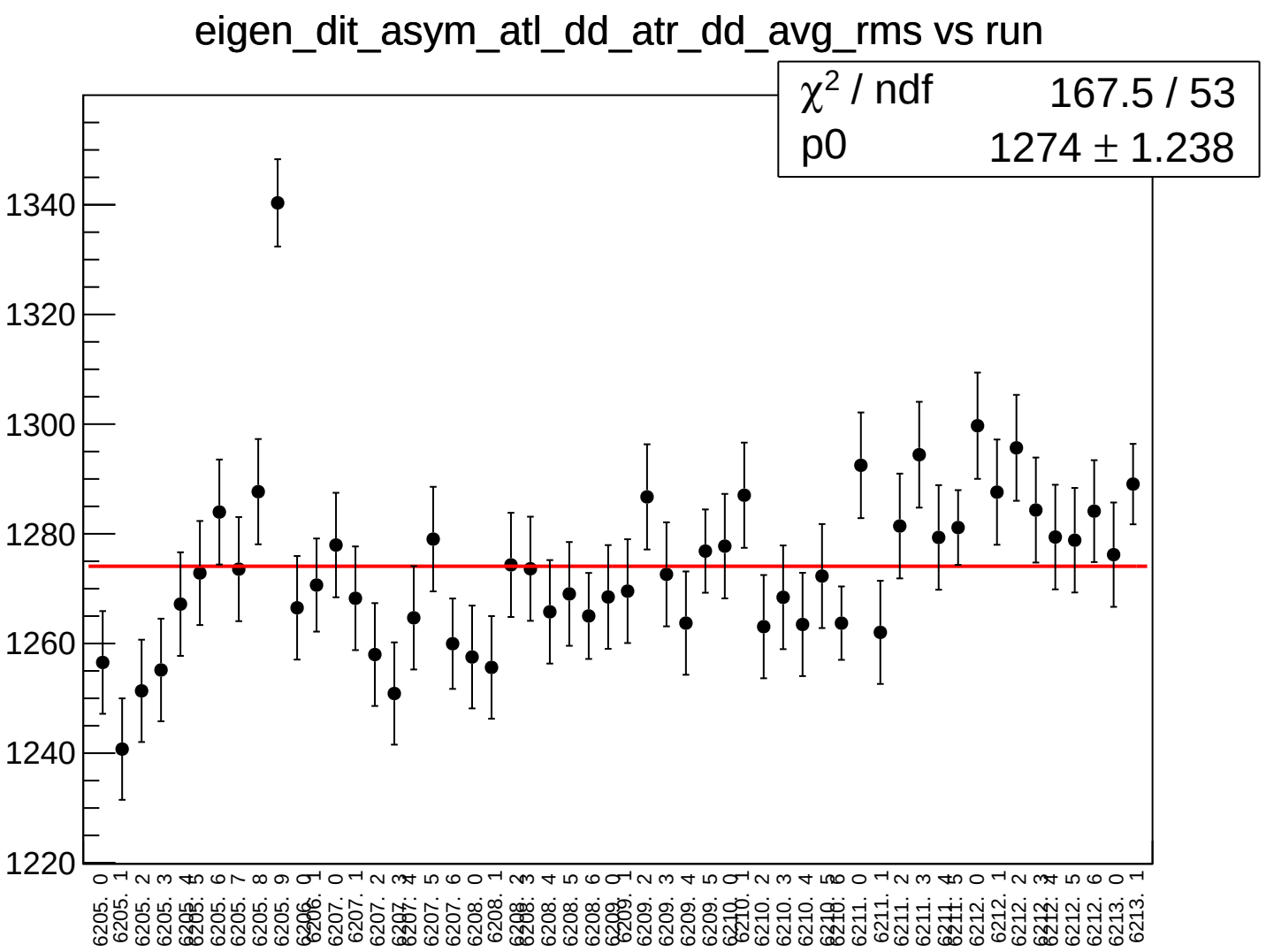

asym_atl_dd_atr_dd_avg_dit_correction_mean vs run
×10^3
χ² / ndf 42.98 / 53
p0 −3960 ± 6534
150
100
50
0
−50
−100
−150
−200
pull
Entries 54
Mean −60.12
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

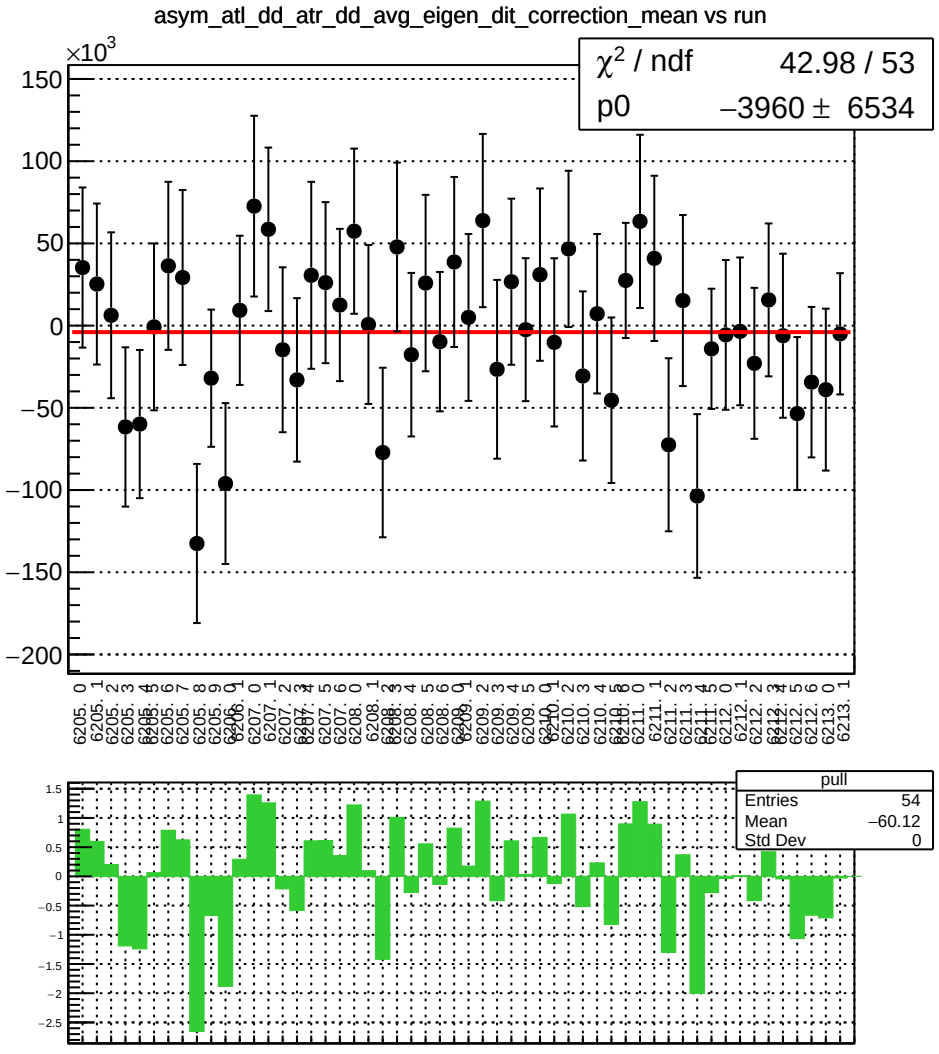

pull1D
Entries 54
Mean 0.01034
Std Dev 0.8921
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

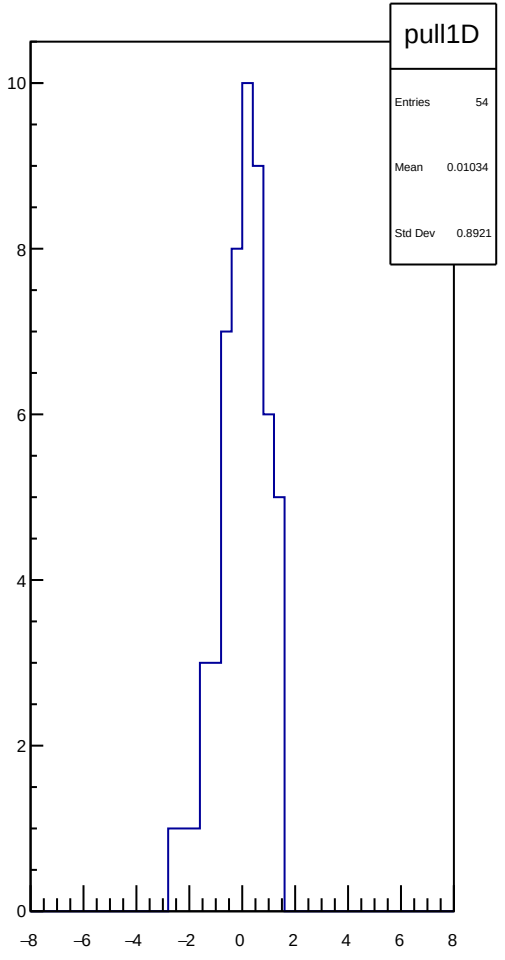

asym_atl_dd_atr_dd_avg_dit_correction_rms vs run
χ² / ndf 2563 / 53
p0 4750 ± 4.62
5400
5200
5000
4800
4600
4400
4200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

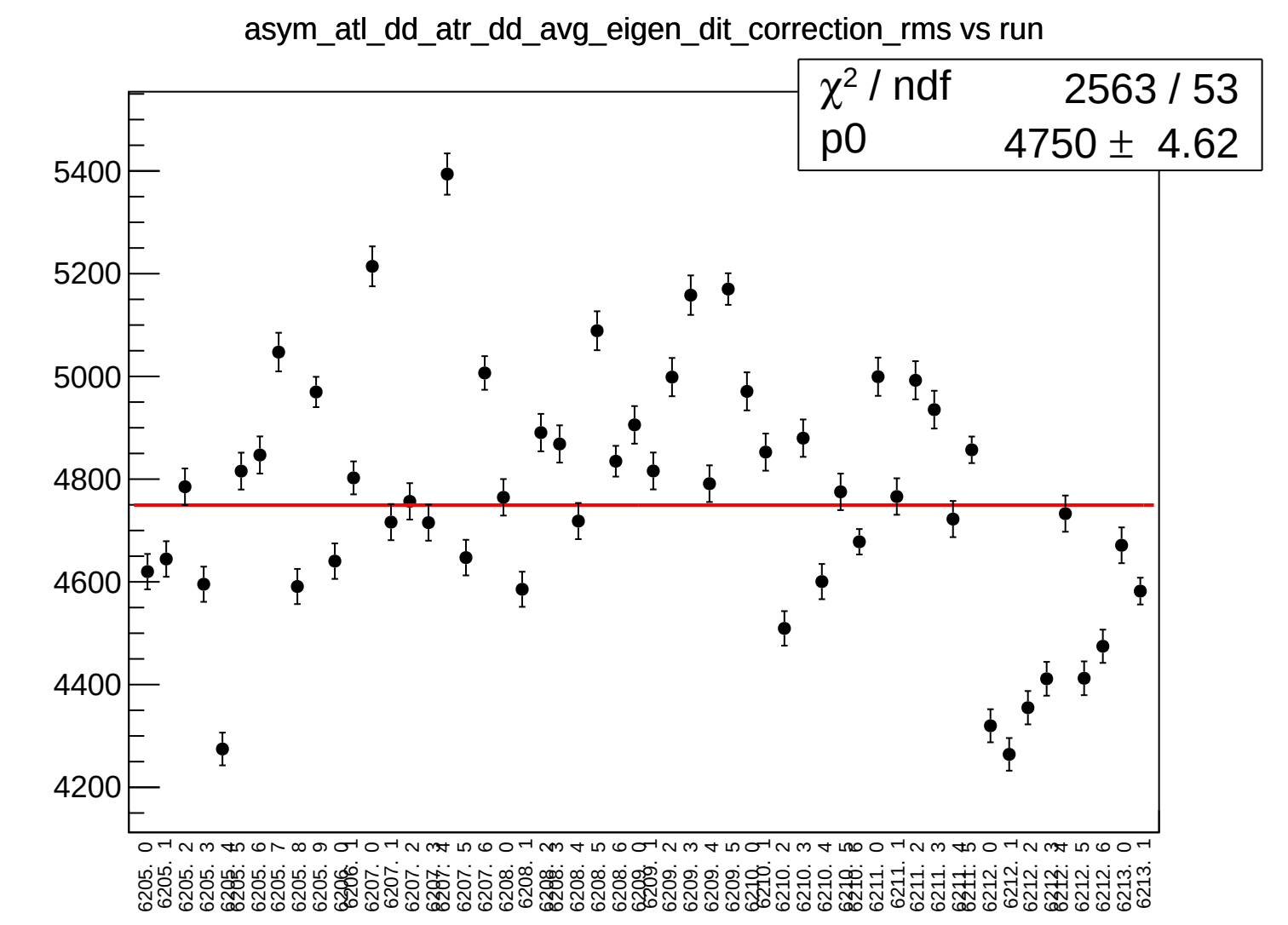

eigen_dit_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 56.44 / 53
p0 1426 ± 1751
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −24.76
Std Dev 0
2
1
0
−1
−2

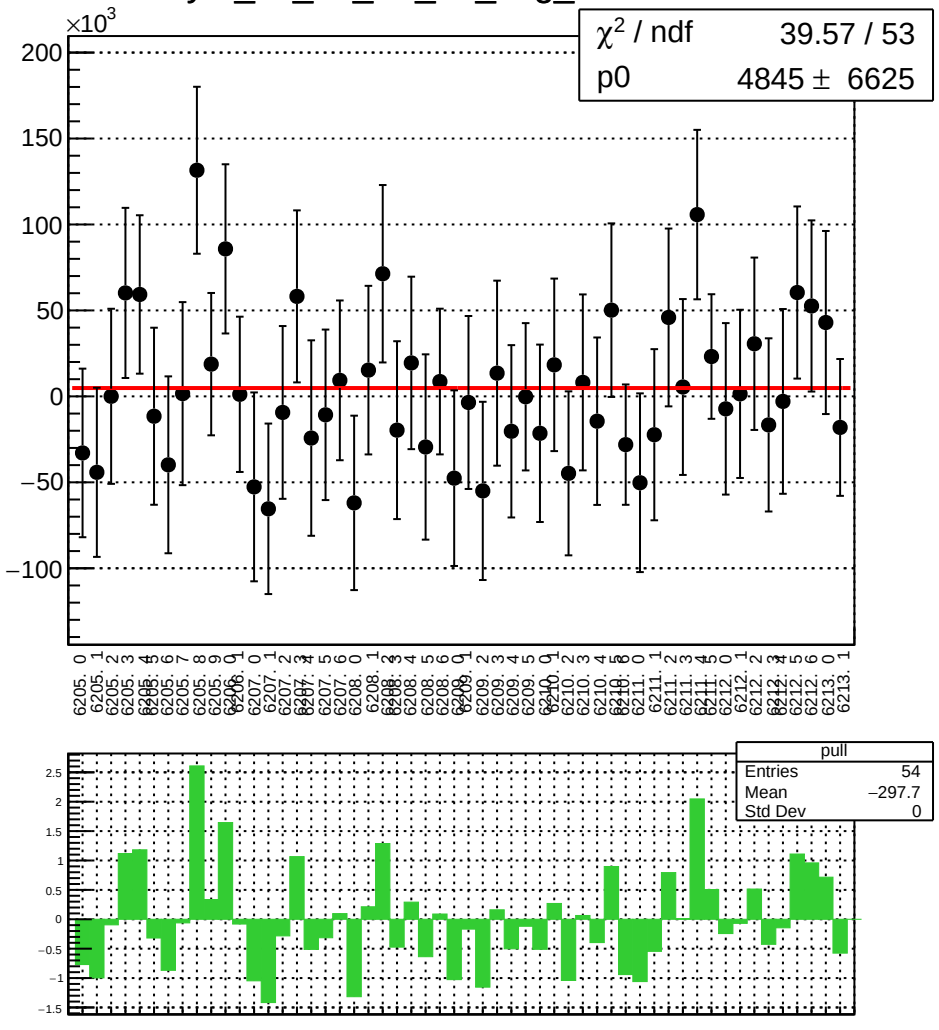

pull1D
Entries 54
Mean 0.009862
Std Dev 1.022
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

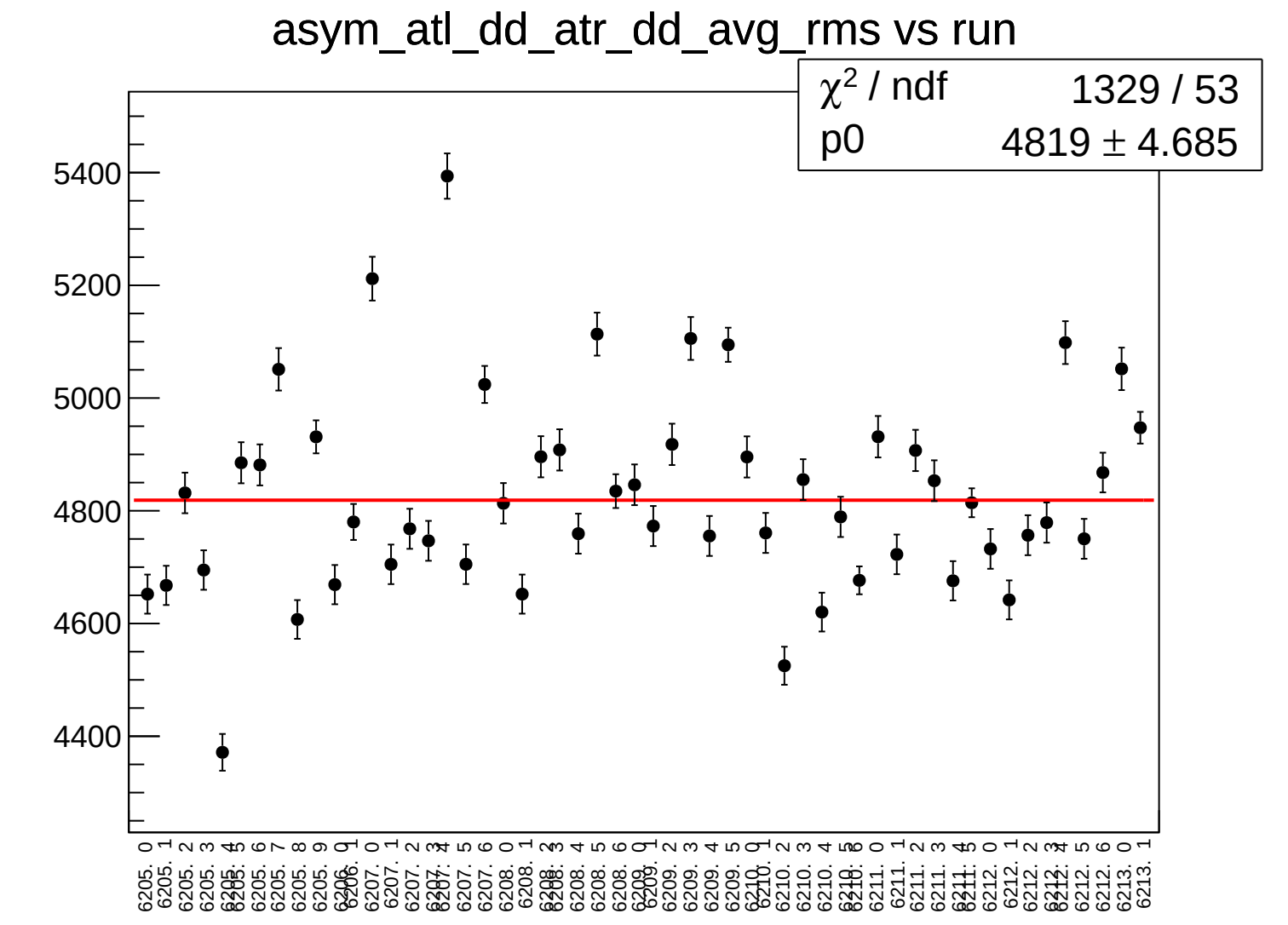

eigen_dit_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 167.5 / 53
p0 1274 ± 1.238
1340
1320
1300
1280
1260
1240
1220
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

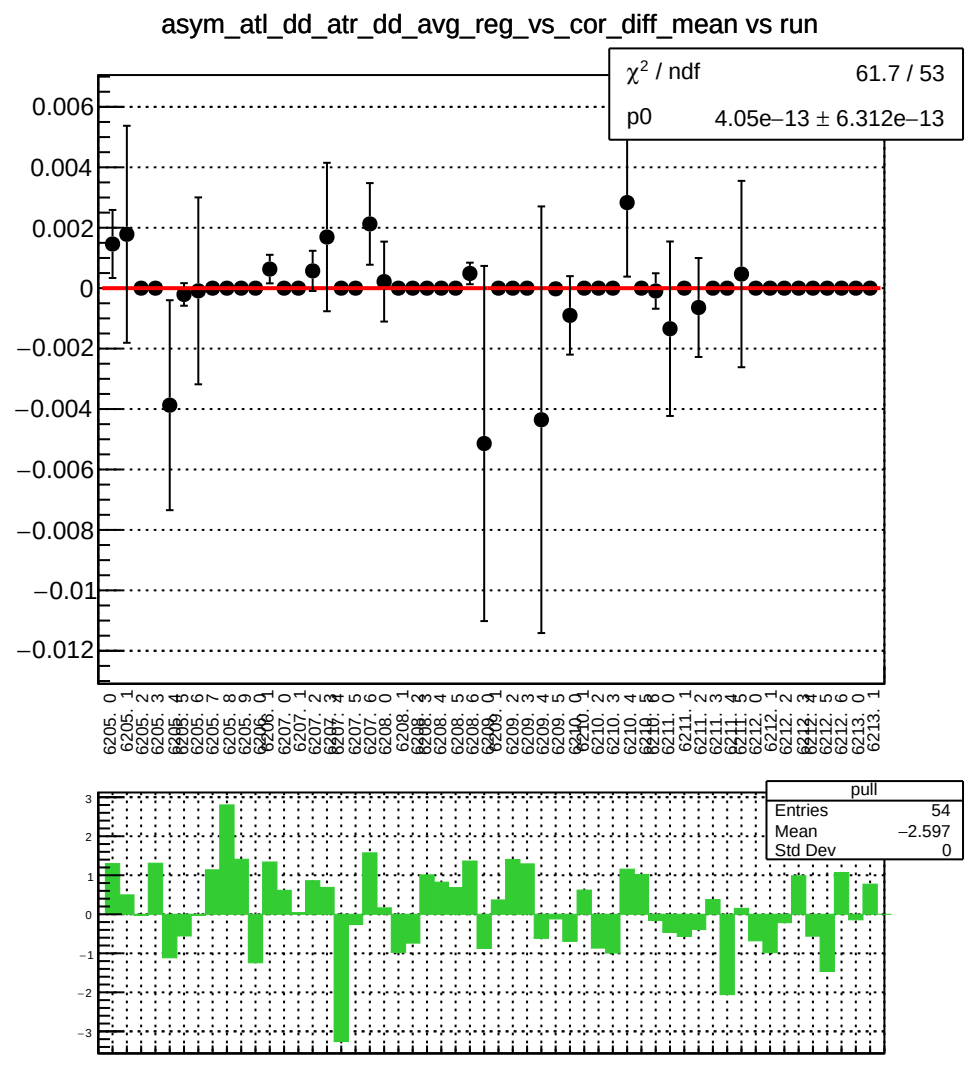

asym_atl_dd_atr_dd_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 42.98 / 53
p0 −3960 ± 6534
150
100
50
0
−50
−100
−150
−200
pull
Entries 54
Mean −60.12
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

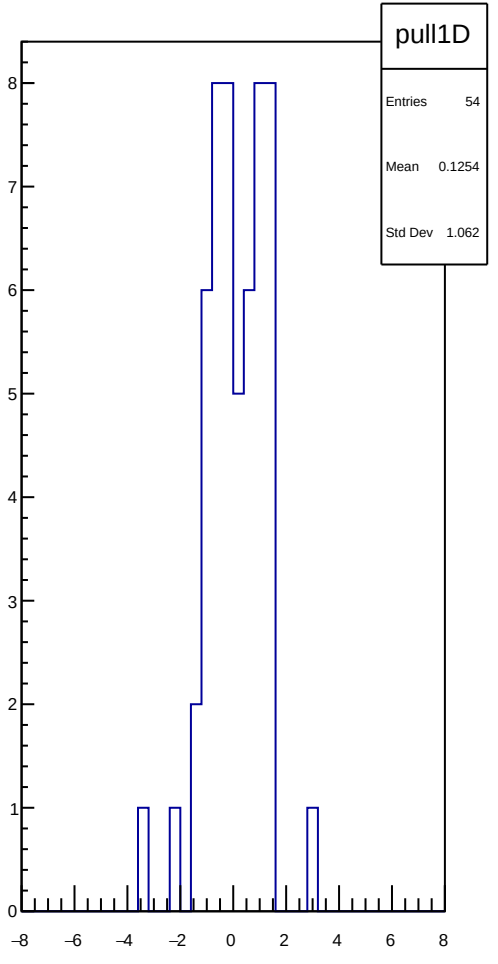

pull1D
Entries 54
Mean 0.01034
Std Dev 0.8921
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

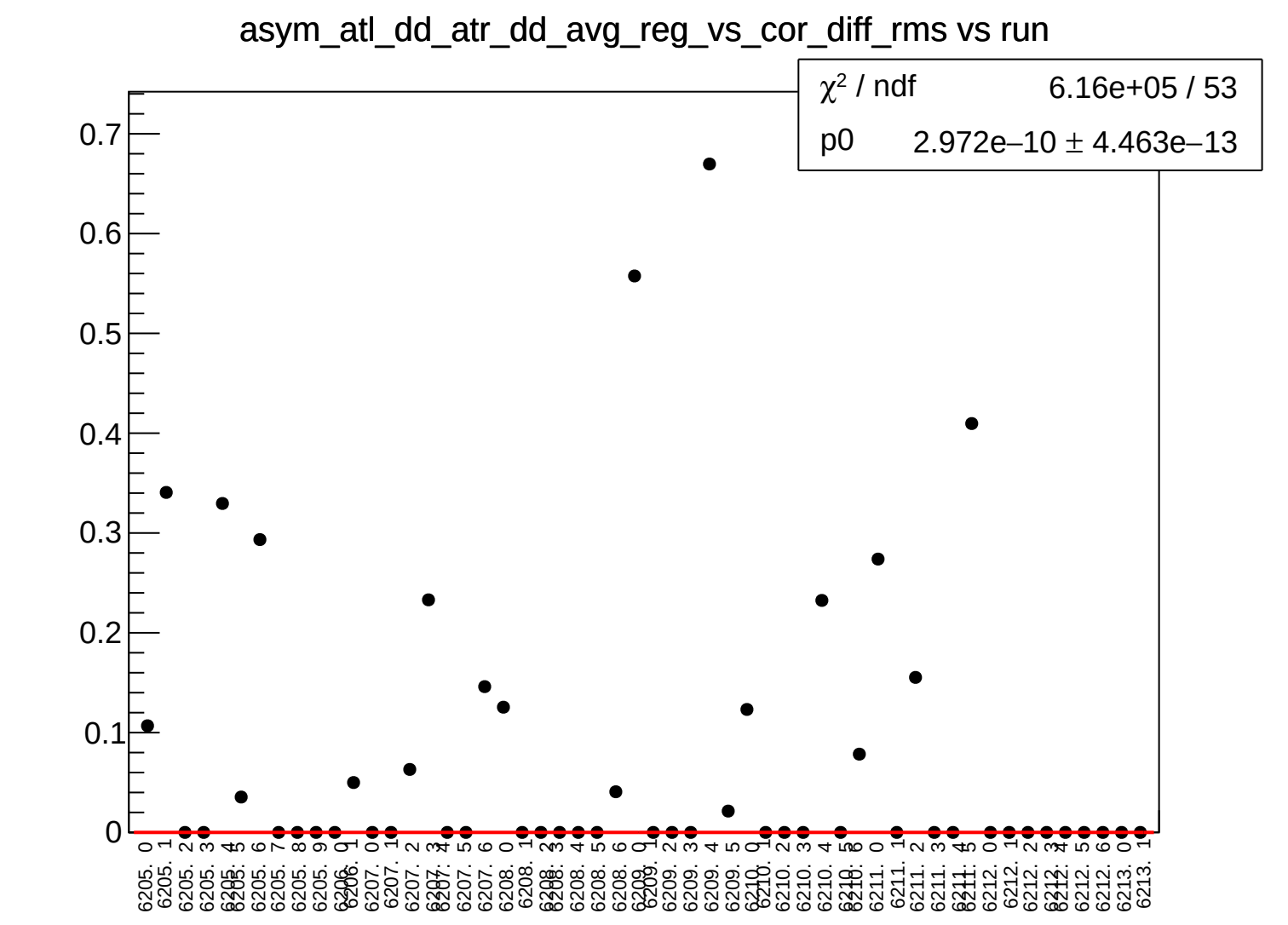

asym_atl_dd_atr_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 2563 / 53
p0 4750 ± 4.62
5400
5200
5000
4800
4600
4400
4200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

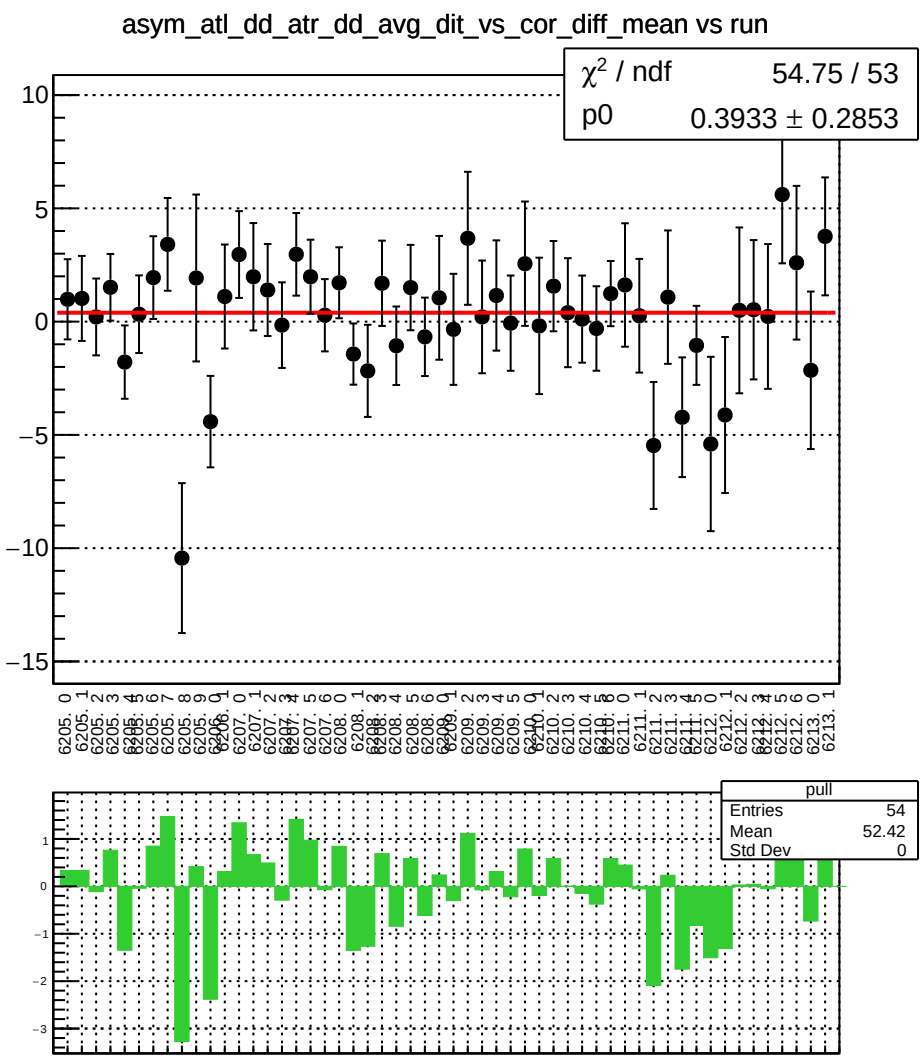

asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 39.57 / 53
p0 4845 ± 6625
pull
Entries 54
Mean −297.7
Std Dev 0
pull1D
Entries 54
Mean −0.002286
Std Dev 0.8561

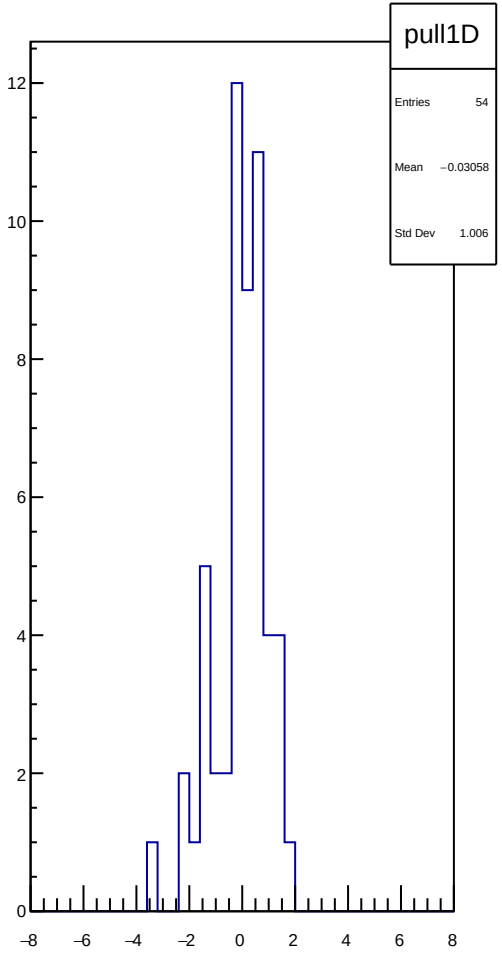

asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 1329 / 53
p0 4819 ± 4.685
5400
5200
5000
4800
4600
4400
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

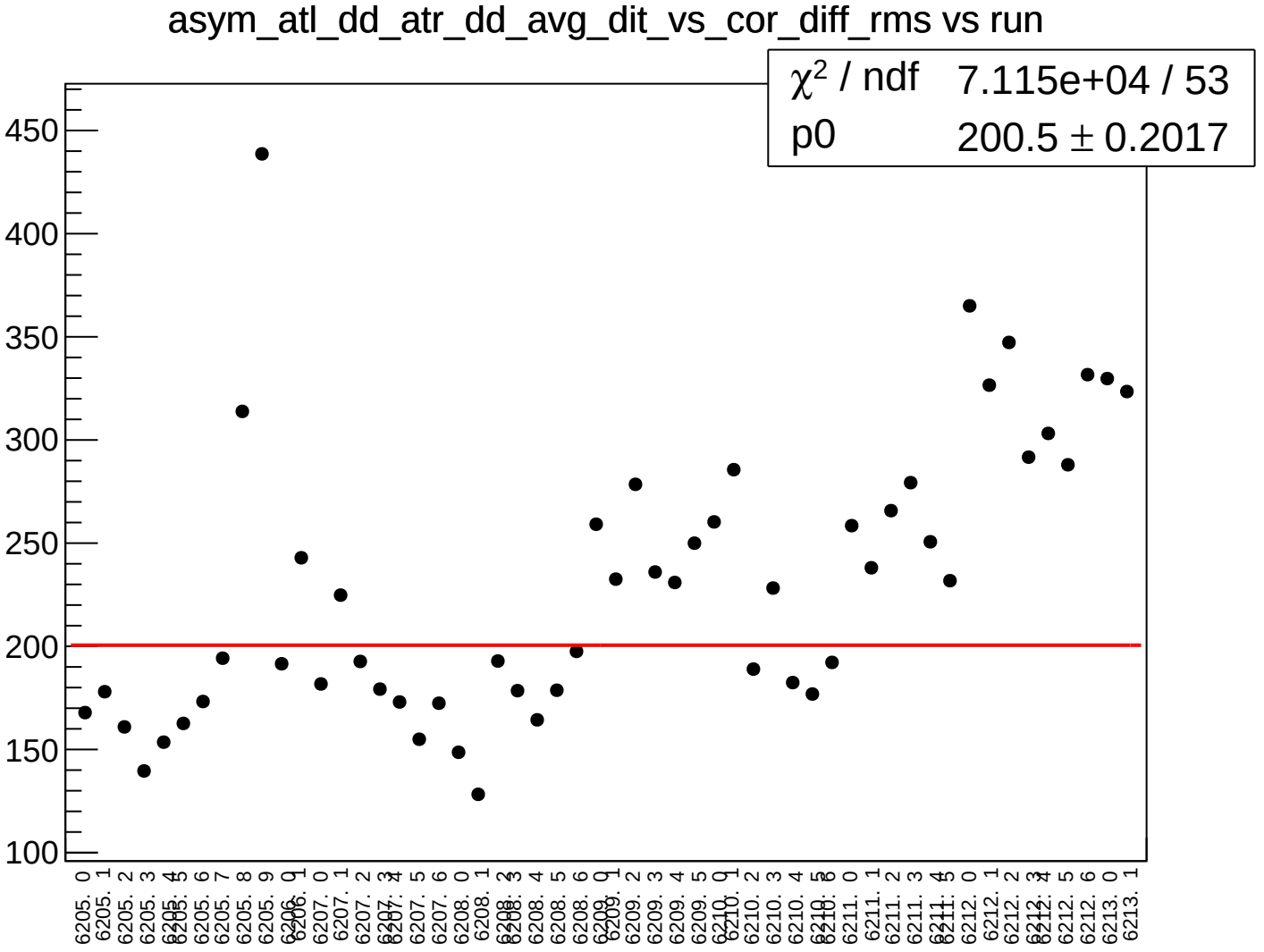

asym_atl_dd_atr_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 61.7 / 53
p0 4.05e−13 ± 6.312e−13
pull
Entries 54
Mean −2.597
Std Dev 0

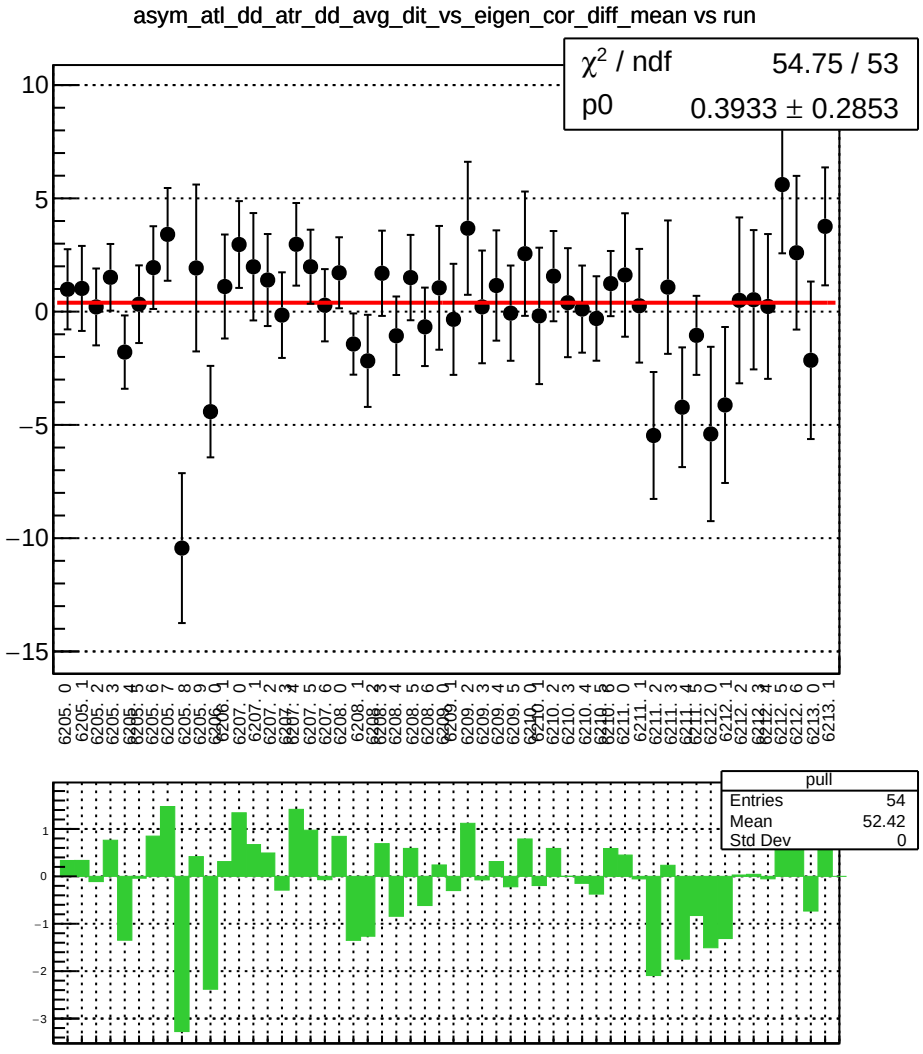

pull1D
Entries 54
Mean 0.1254
Std Dev 1.062

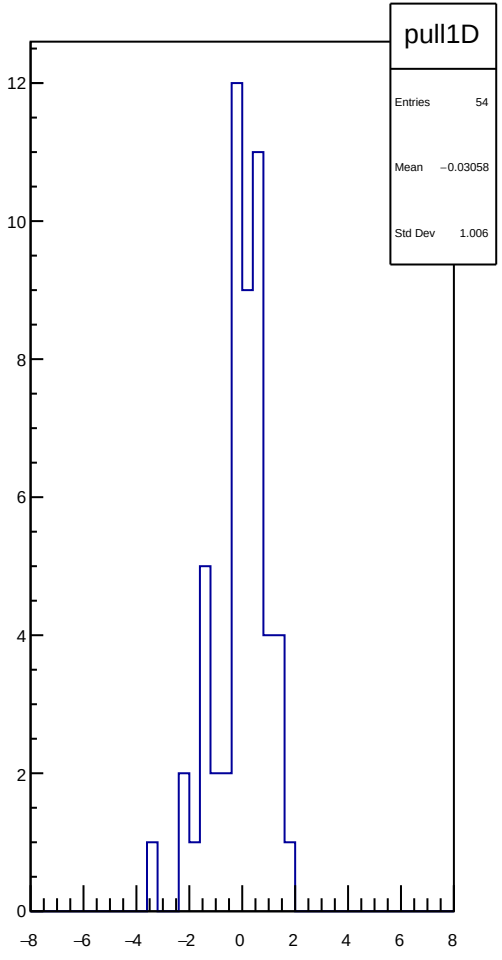

asym_atl_dd_atr_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.16e+05 / 53
p0 2.972e−10 ± 4.463e−13
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

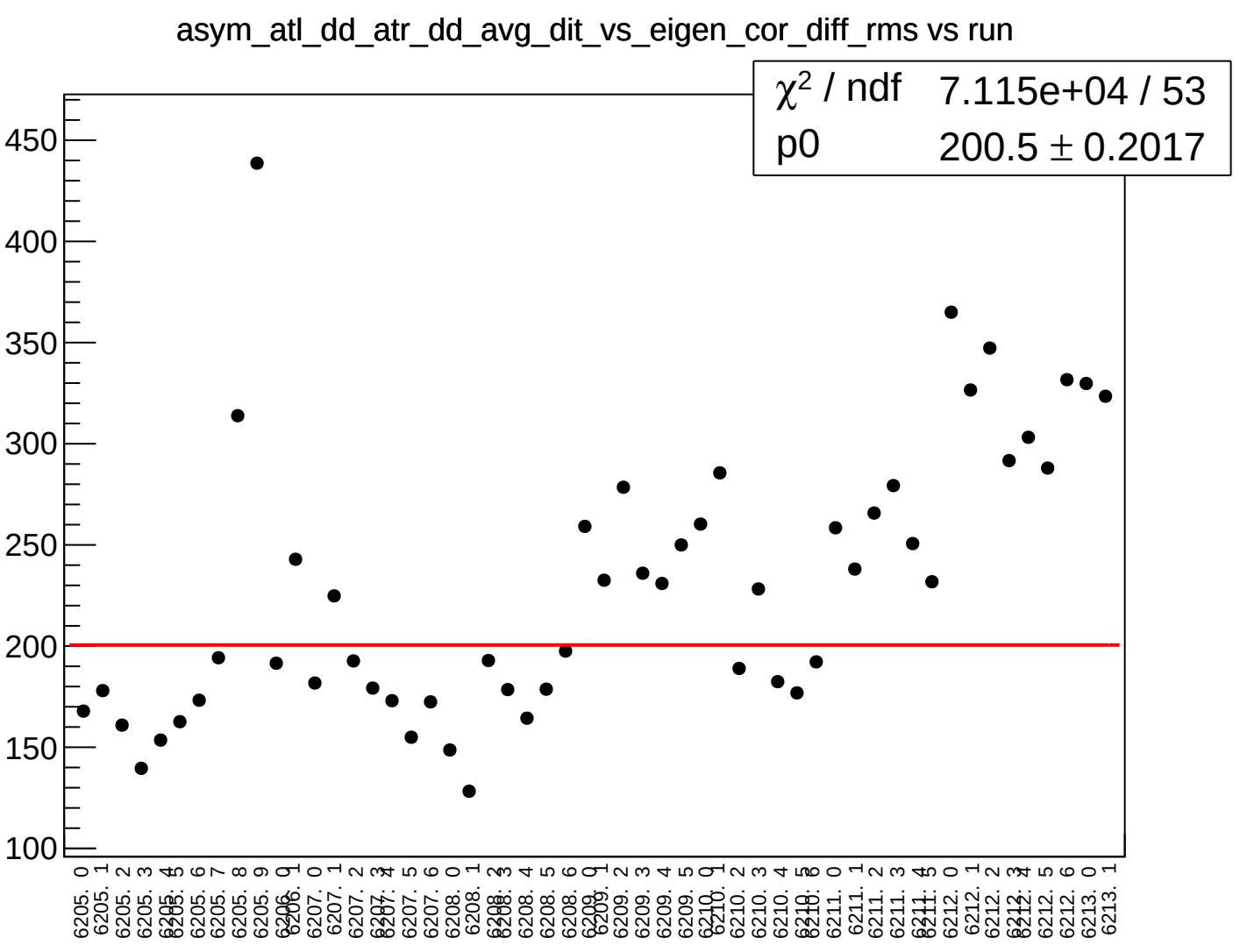

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 54.75 / 53
p0 0.3933 ± 0.2853
pull
Entries 54
Mean 52.42
Std Dev 0

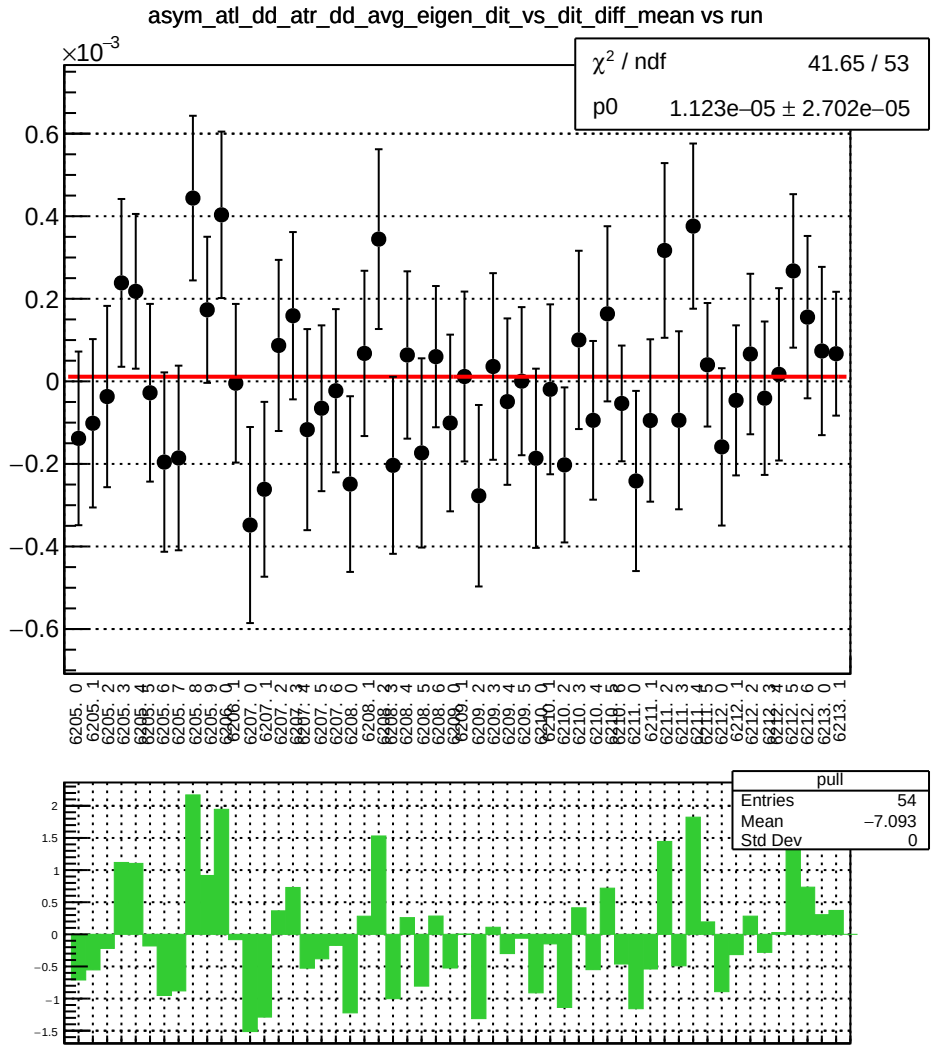

pull1D
Entries 54
Mean −0.03058
Std Dev 1.006

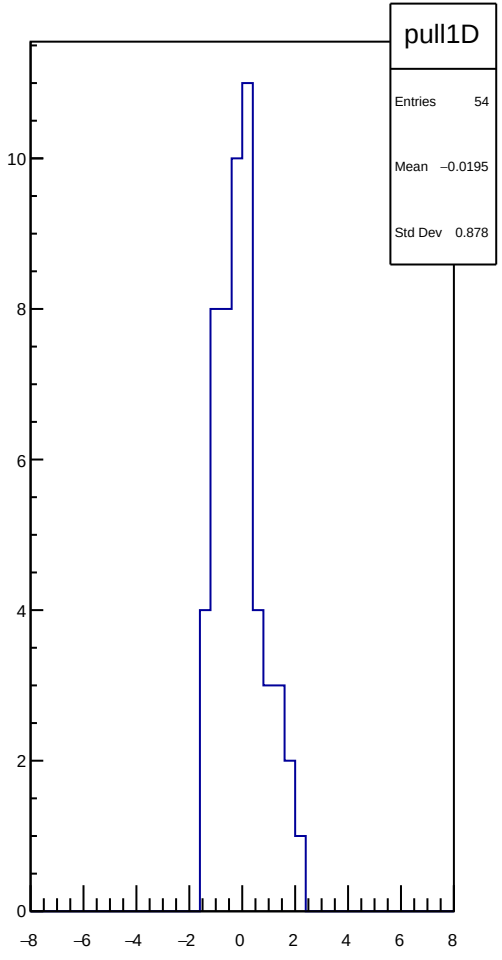

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 7.115e+04 / 53
p0 200.5 ± 0.2017
450
400
350
300
250
200
150
100
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 1
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

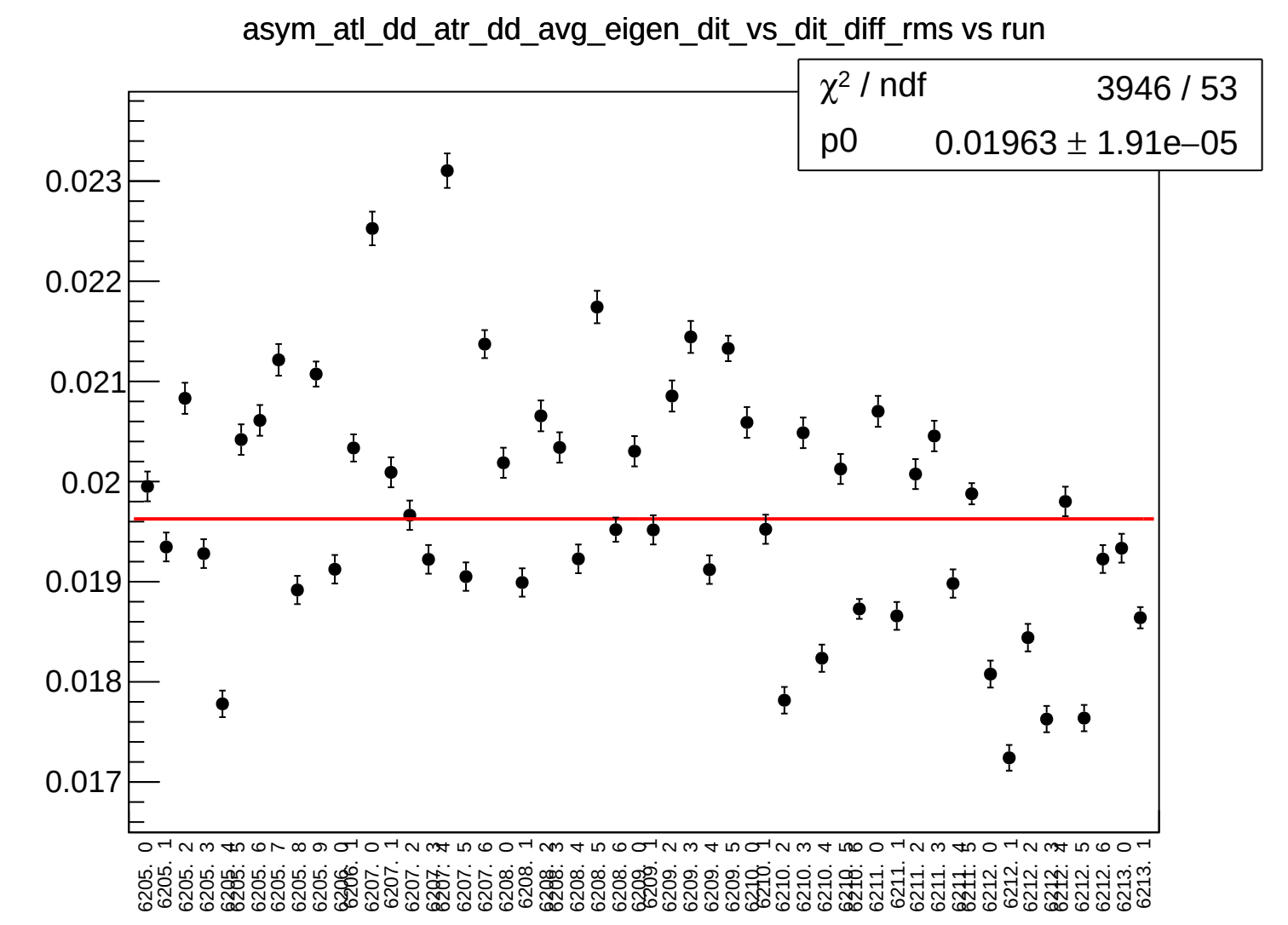

asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 54.75 / 53
p0 0.3933 ± 0.2853
pull
Entries 54
Mean 52.42
Std Dev 0

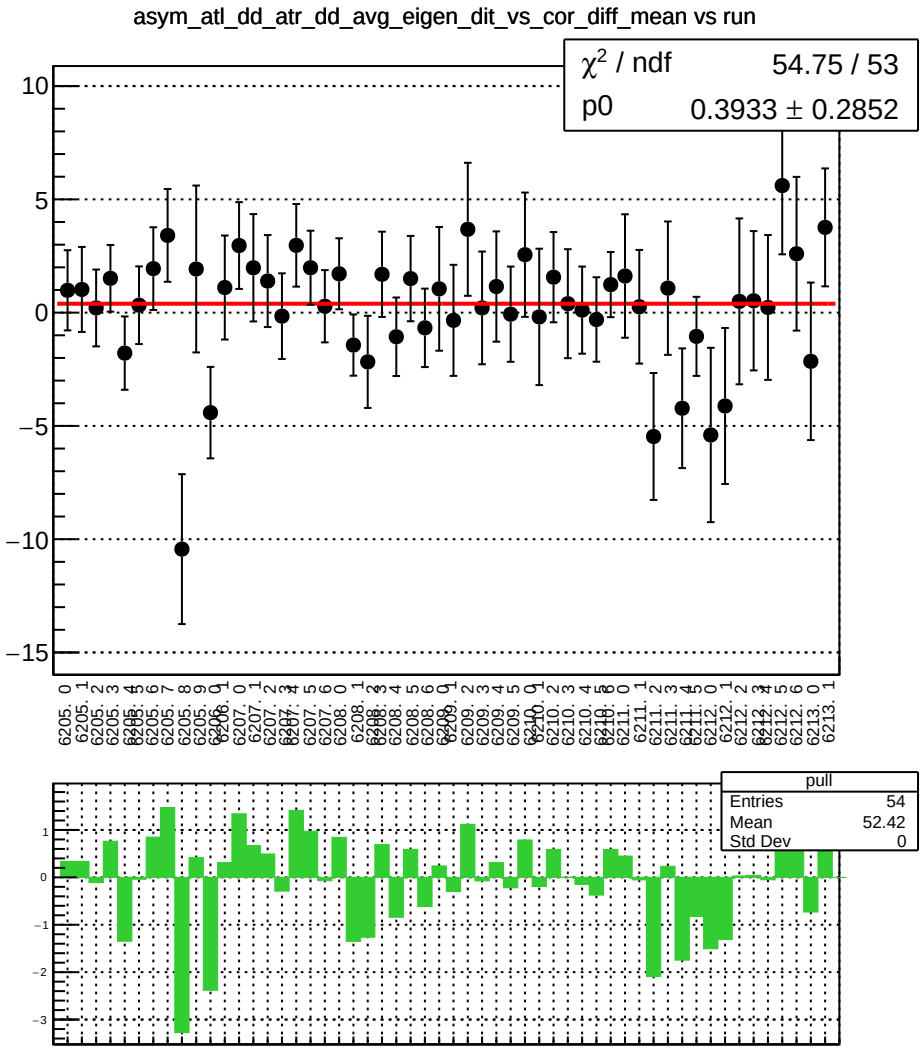

pull1D
Entries 54
Mean −0.03058
Std Dev 1.006

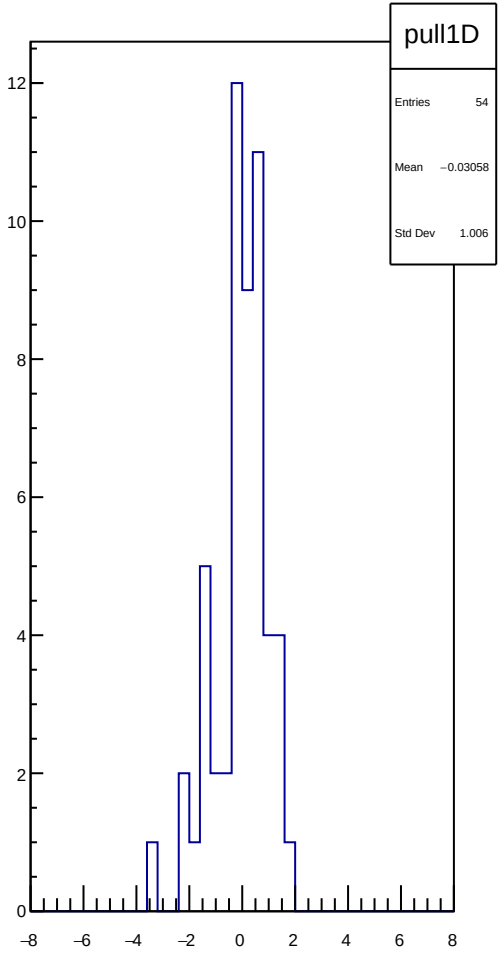

asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.115e+04 / 53
p0 200.5 ± 0.2017
450
400
350
300
250
200
150
100
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

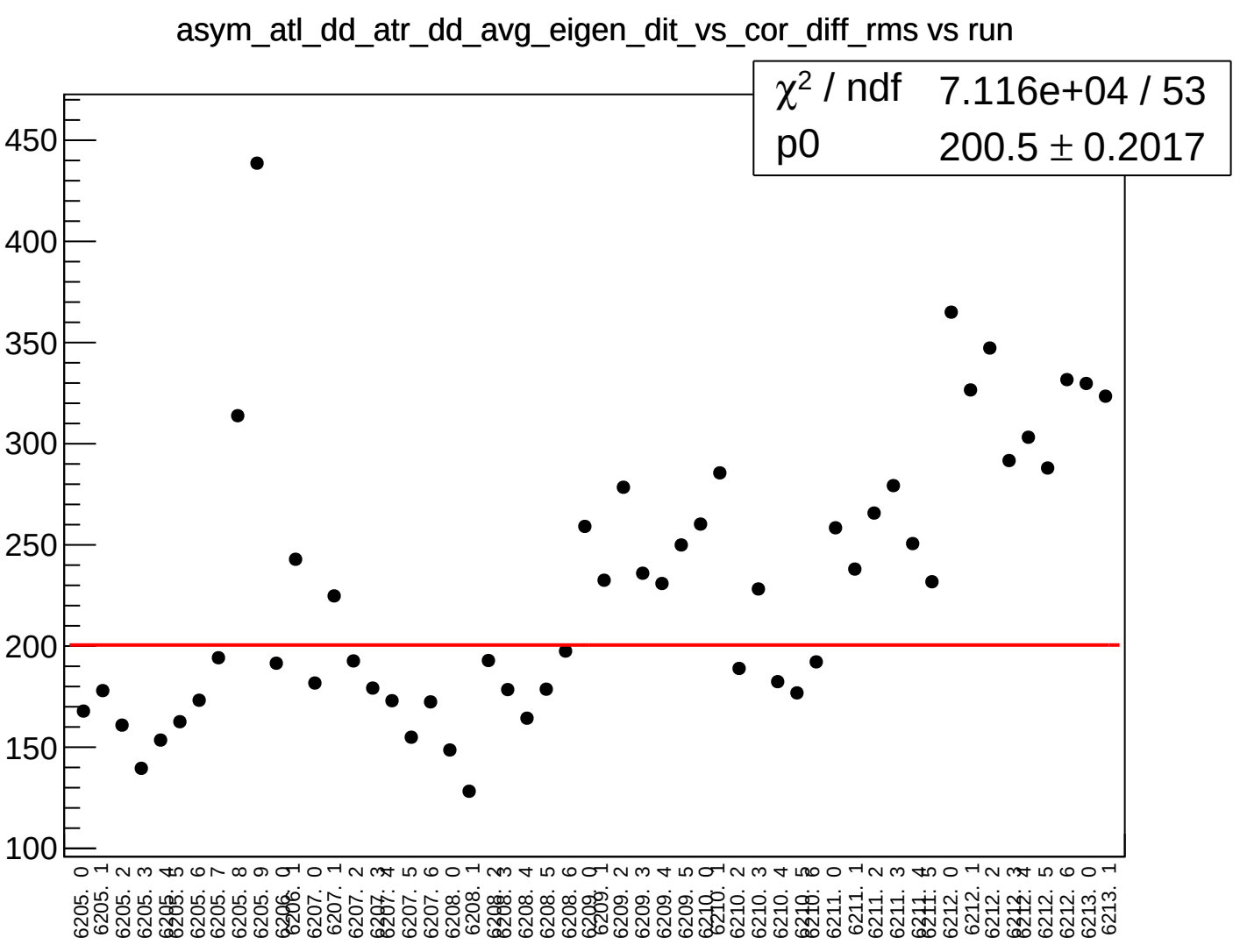

asym_atl_dd_atr_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 41.65 / 53
p0 1.123e−05 ± 2.702e−05
pull
Entries 54
Mean −7.093
Std Dev 0

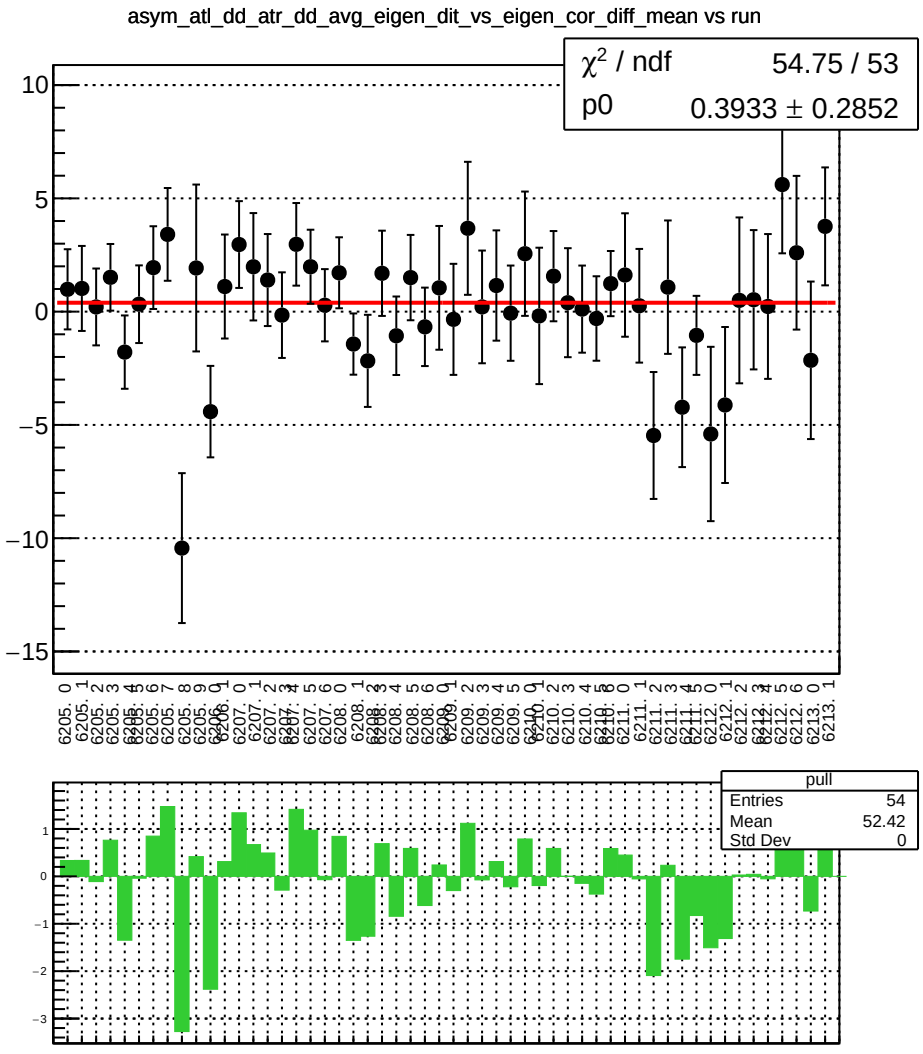

pull1D
Entries 54
Mean −0.0195
Std Dev 0.878

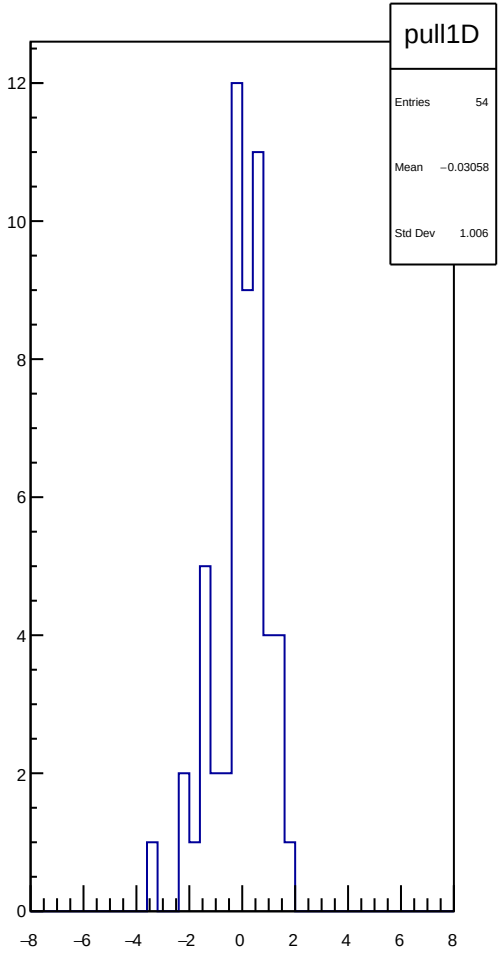

asym_atl_dd_atr_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3946 / 53
p0 0.01963 ± 1.91e−05
0.023
0.022
0.021
0.02
0.019
0.018
0.017
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 1
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

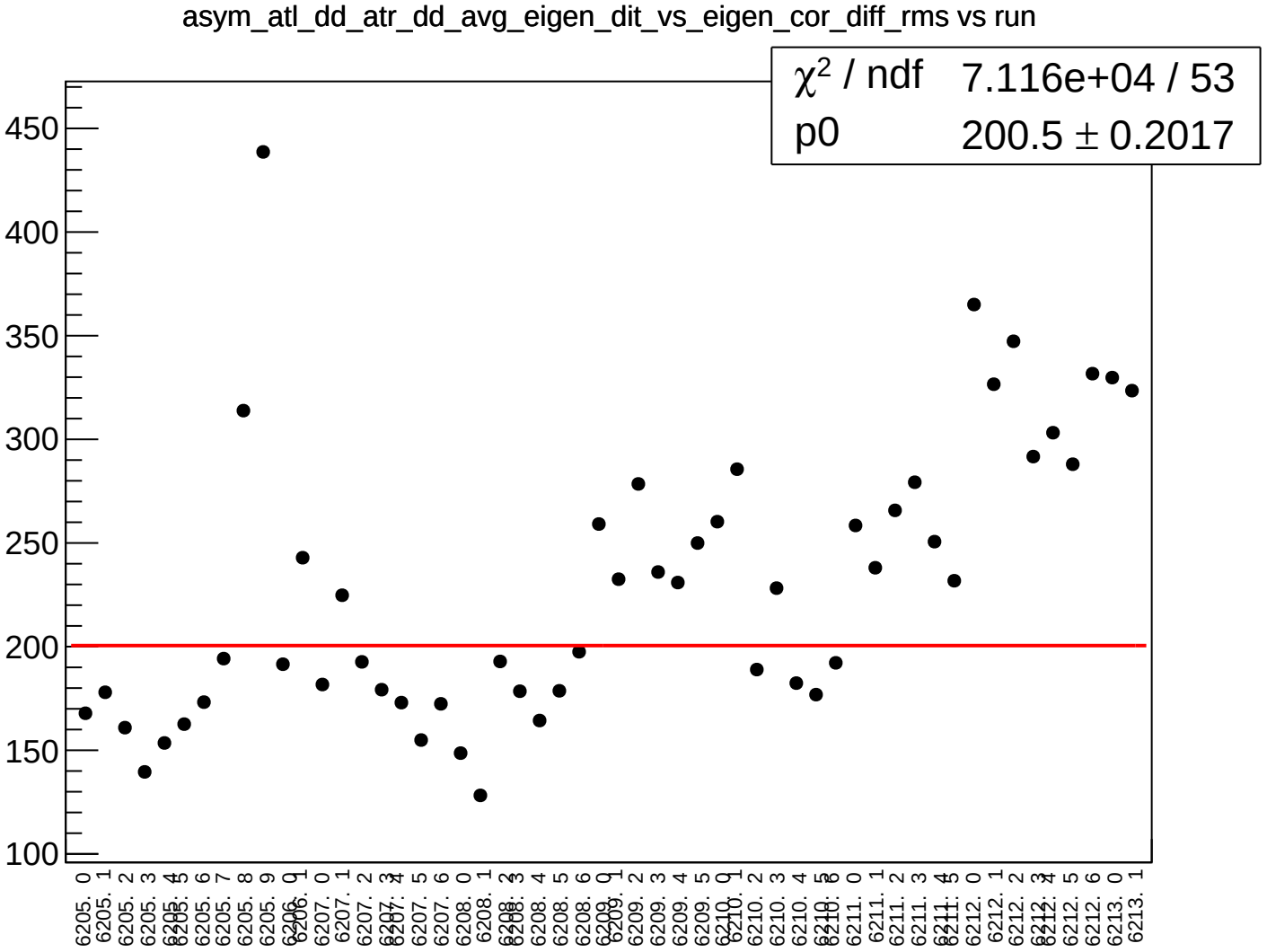

asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 54.75 / 53
p0 0.3933 ± 0.2852
pull
Entries 54
Mean 52.42
Std Dev 0


pull1D
Entries 54
Mean −0.03058
Std Dev 1.006


asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 7.116e+04 / 53
p0 200.5 ± 0.2017
450
400
350
300
250
200
150
100
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 54.75 / 53
p0 0.3933 ± 0.2852
pull
Entries 54
Mean 52.42
Std Dev 0


pull1D
Entries 54
Mean −0.03058
Std Dev 1.006


asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.116e+04 / 53
p0 200.5 ± 0.2017
450
400
350
300
250
200
150
100
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
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6207. 2
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6207. 5
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6208. 0
6208. 1
6208. 2
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6208. 4
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6208. 6
6209. 0
6209. 1
6209. 2
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6209. 4
6209. 5
6210. 0
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6210. 2
6210. 3
6210. 4
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6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
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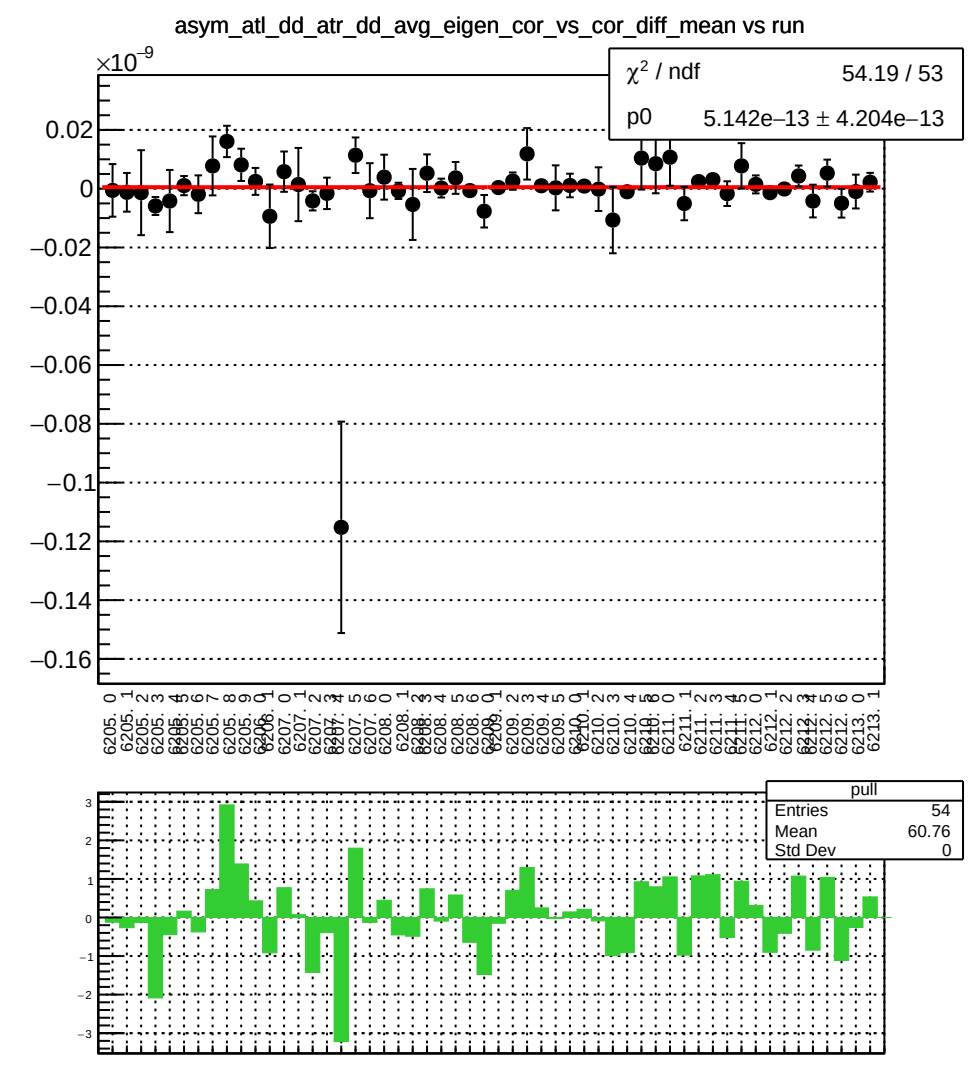
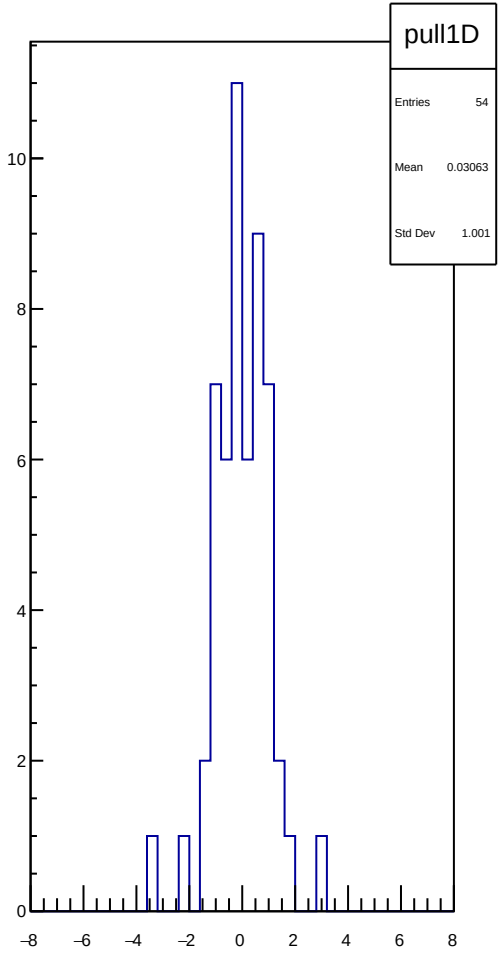
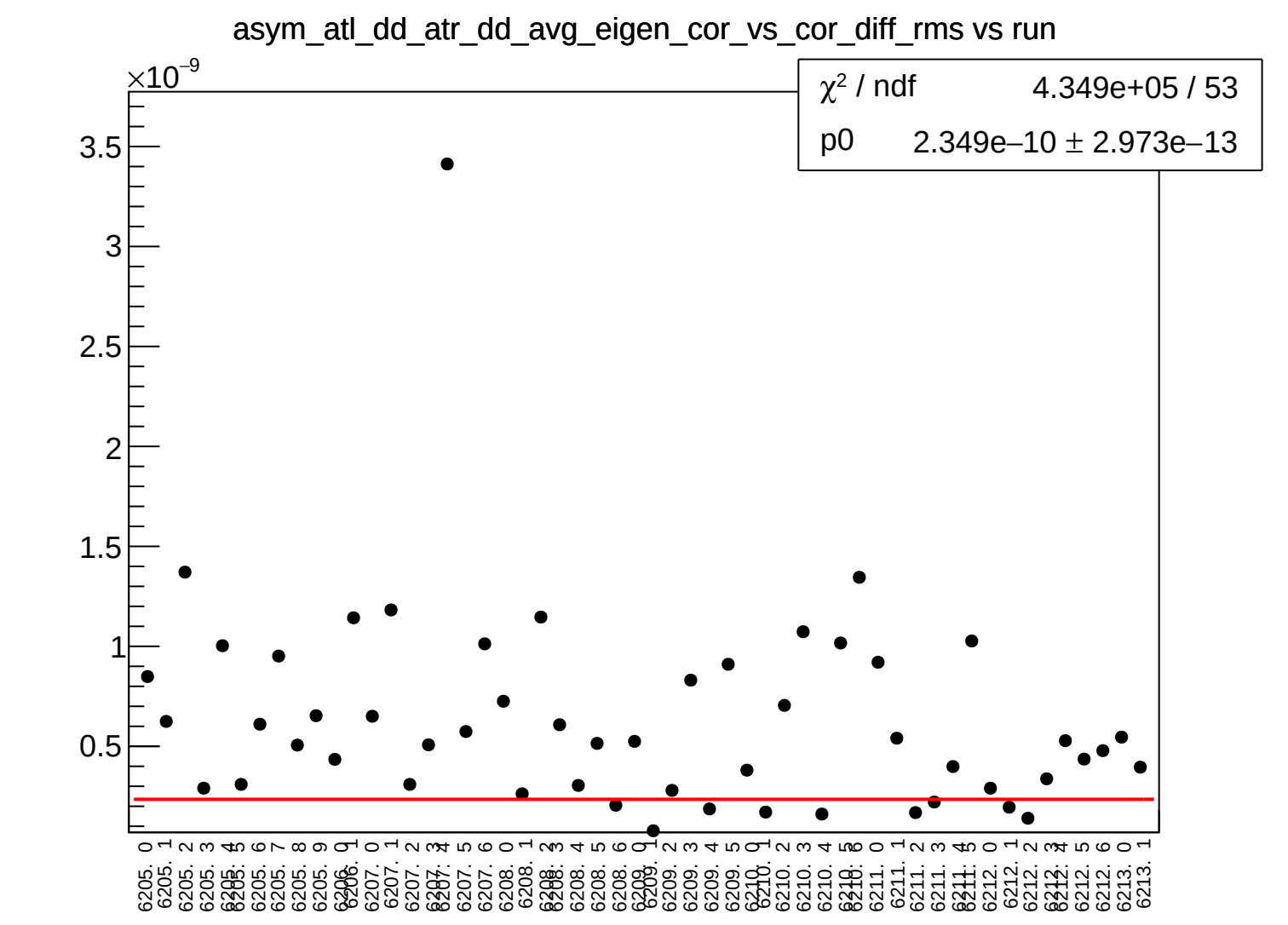
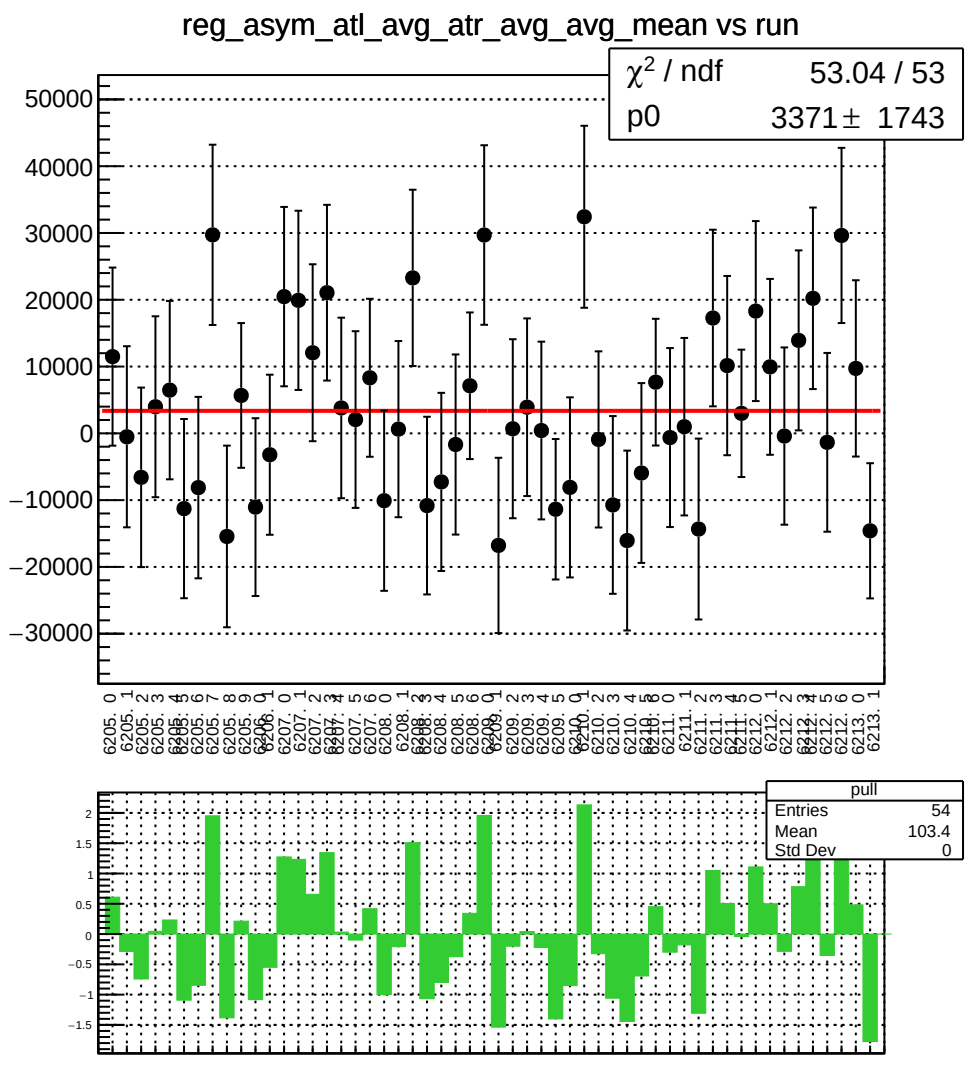
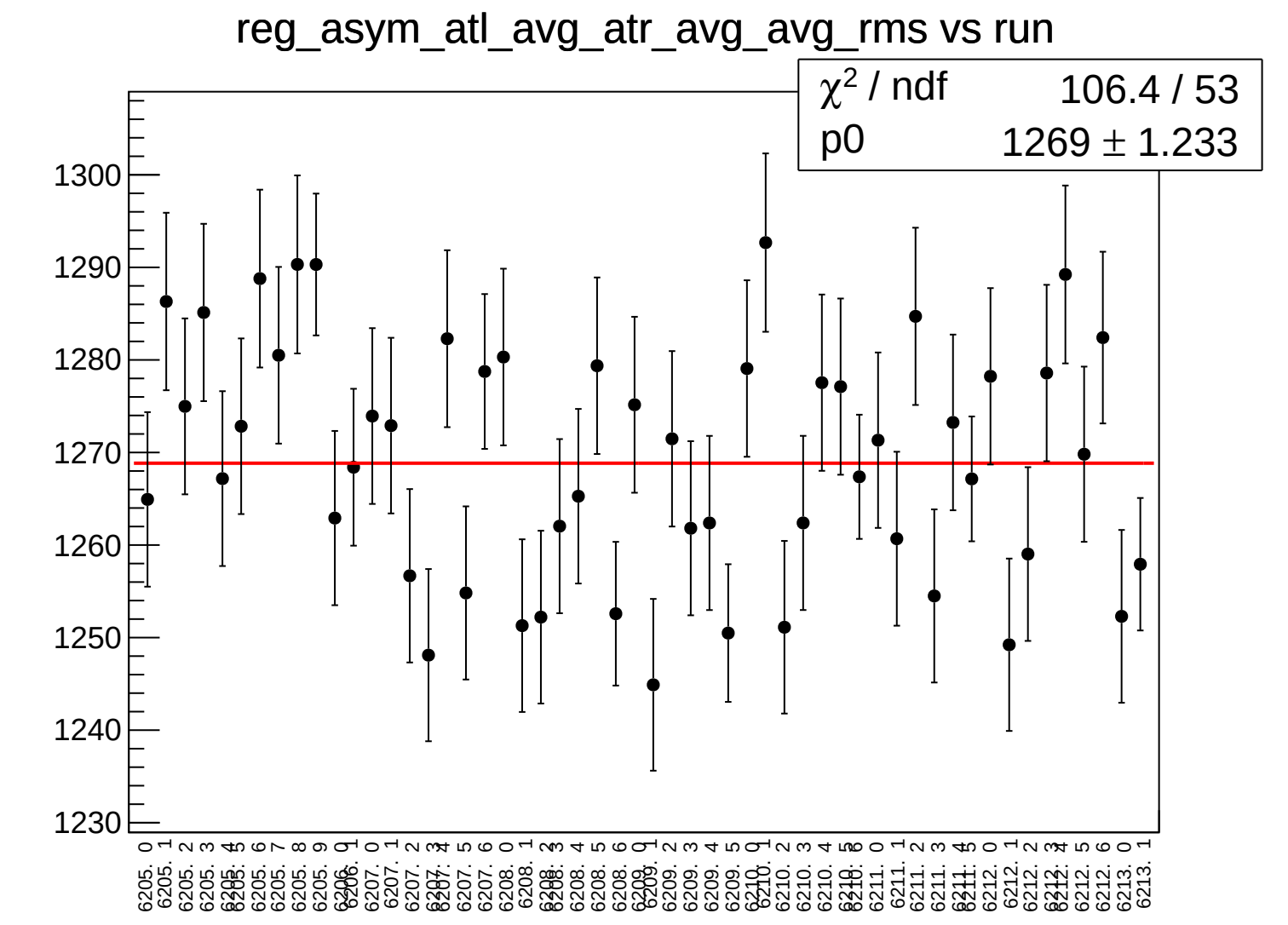
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

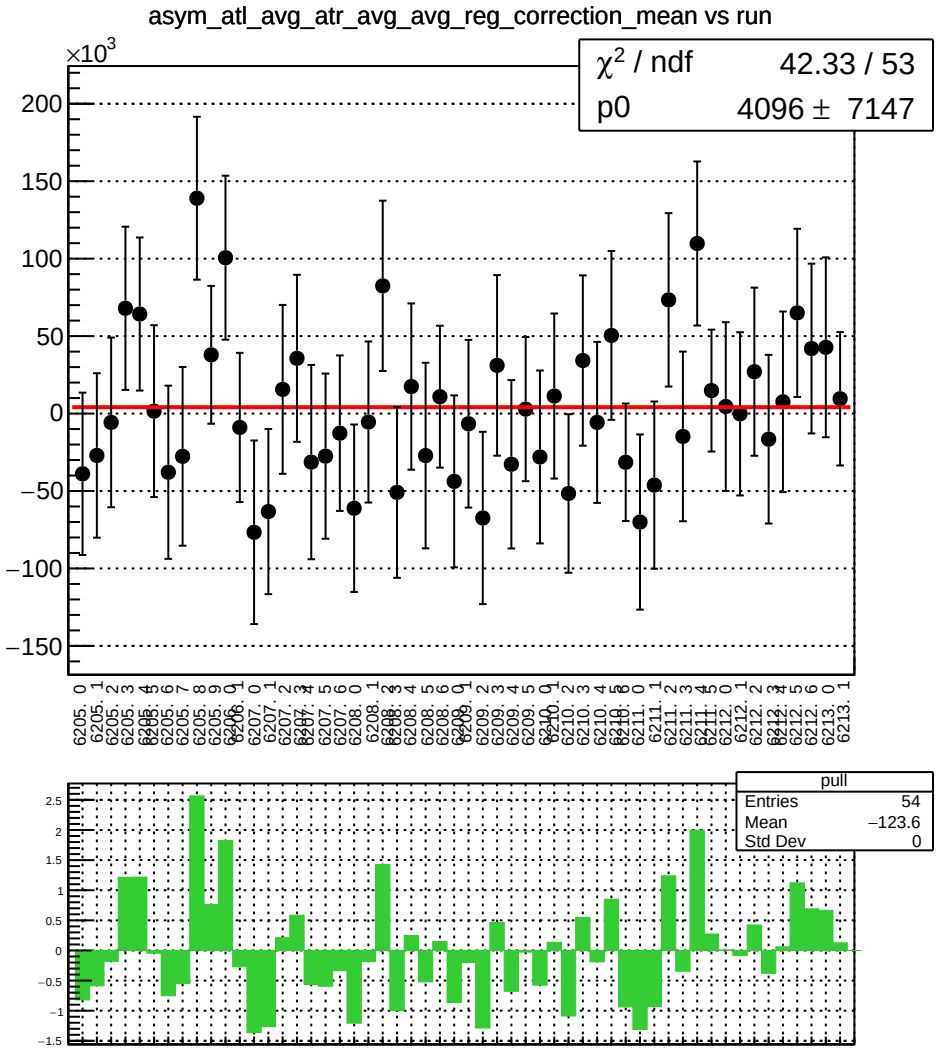

asym_atl_dd_atr_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻⁹
χ² / ndf 54.19 / 53
p0 5.142e−13 ± 4.204e−13
pull
Entries 54
Mean 60.76
Std Dev 0

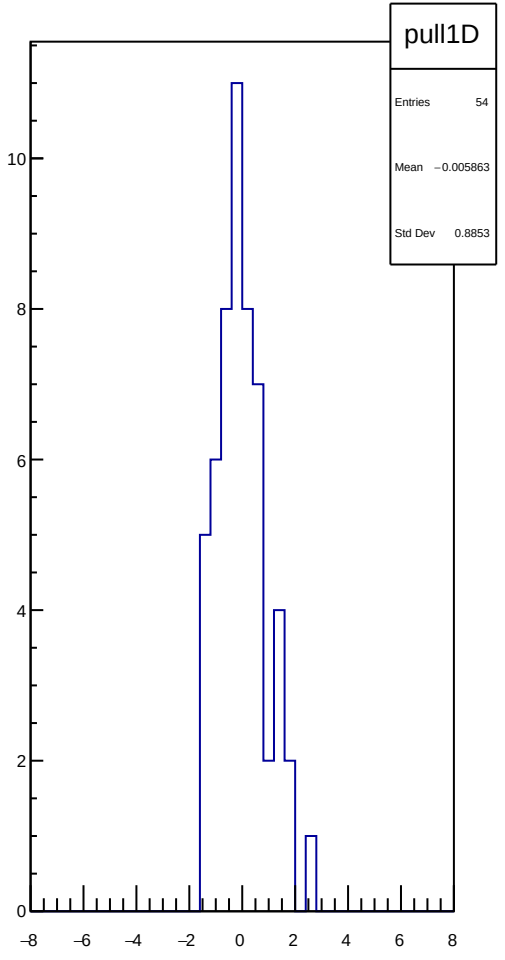

pull1D
Entries 54
Mean 0.03063
Std Dev 1.001

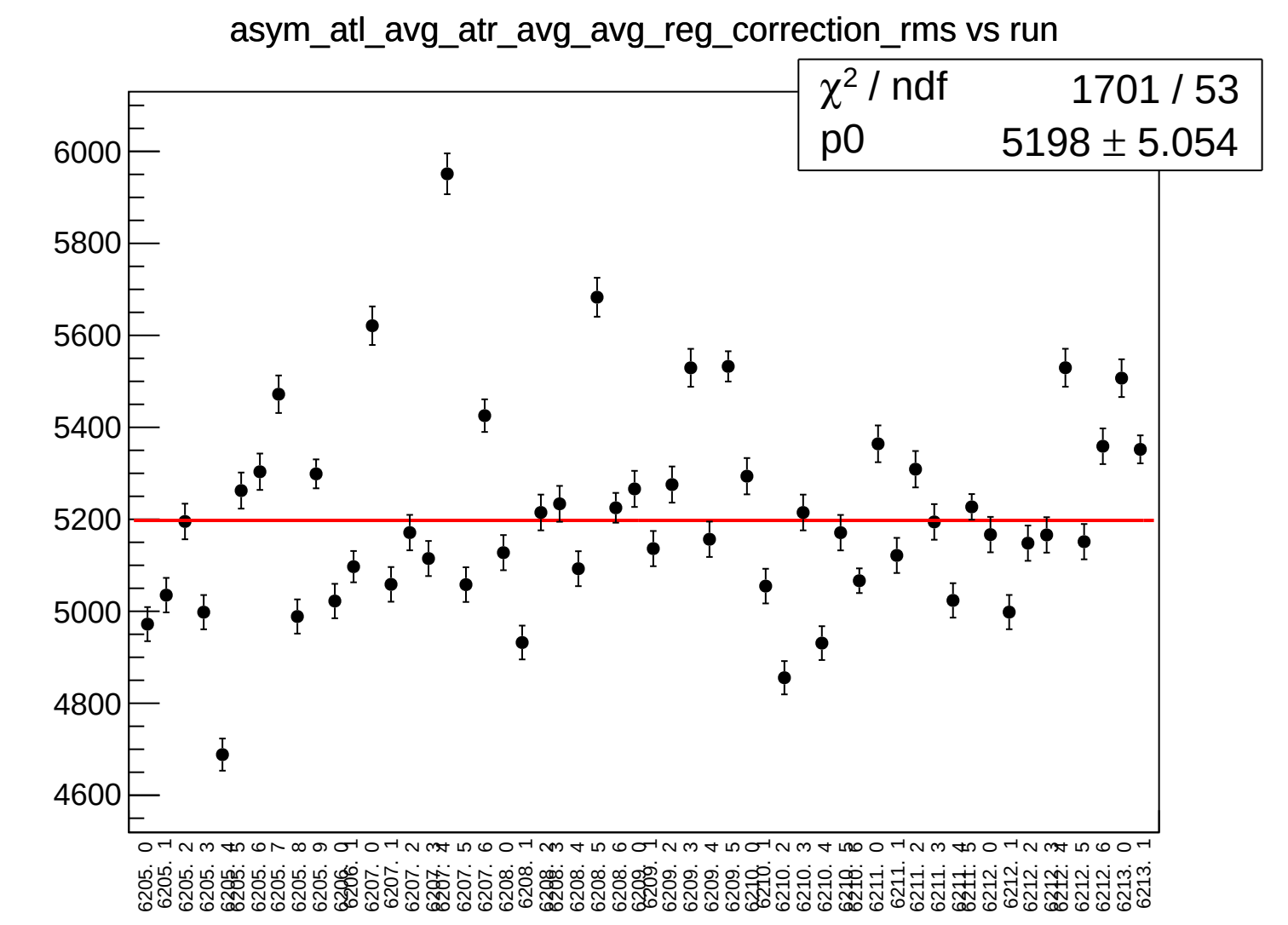

asym_atl_dd_atr_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.349e+05 / 53
p0 2.349e−10 ± 2.973e−13
3.5
3
2.5
2
1.5
1
0.5
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

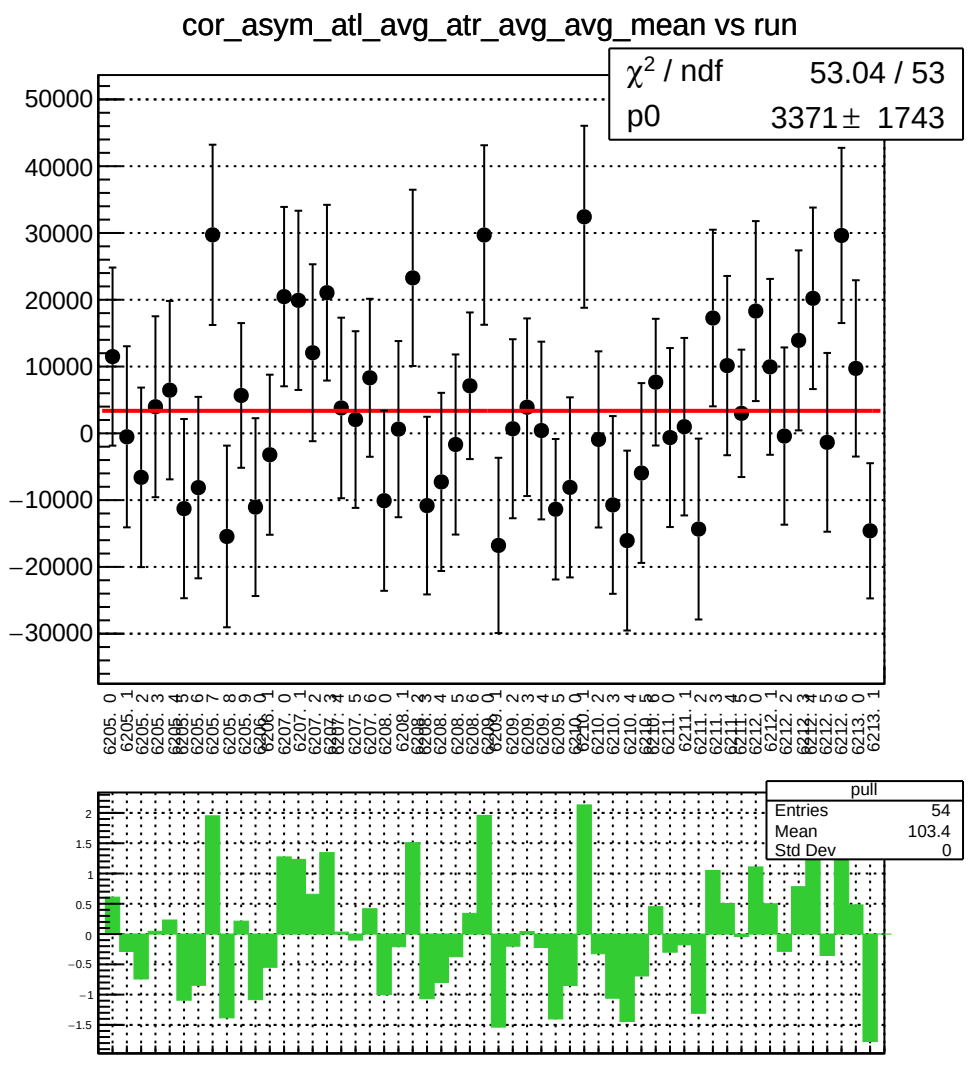

reg_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 53.04 / 53
p0 3371 ± 1743
pull
Entries 54
Mean 103.4
Std Dev 0
pull1D
Entries 54
Mean 0.01158
Std Dev 0.991

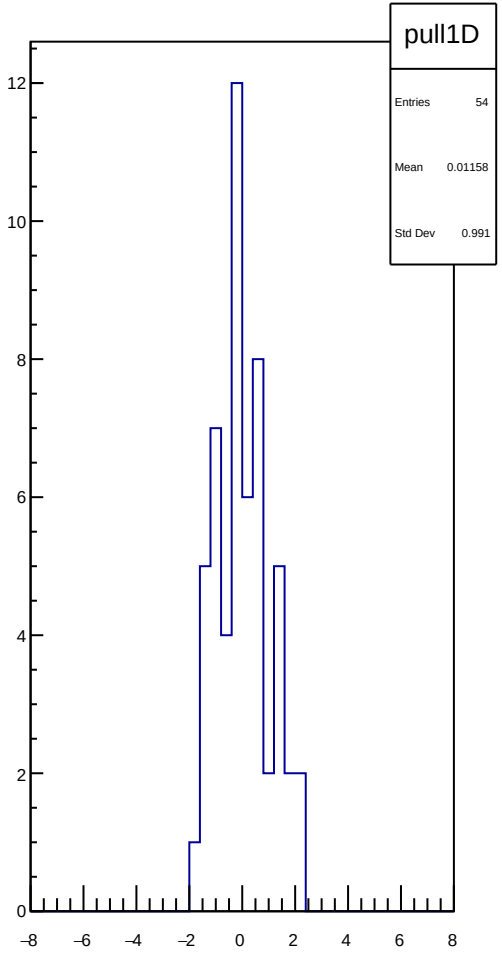

reg_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 106.4 / 53
p0 1269 ± 1.233
1300
1290
1280
1270
1260
1250
1240
1230
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

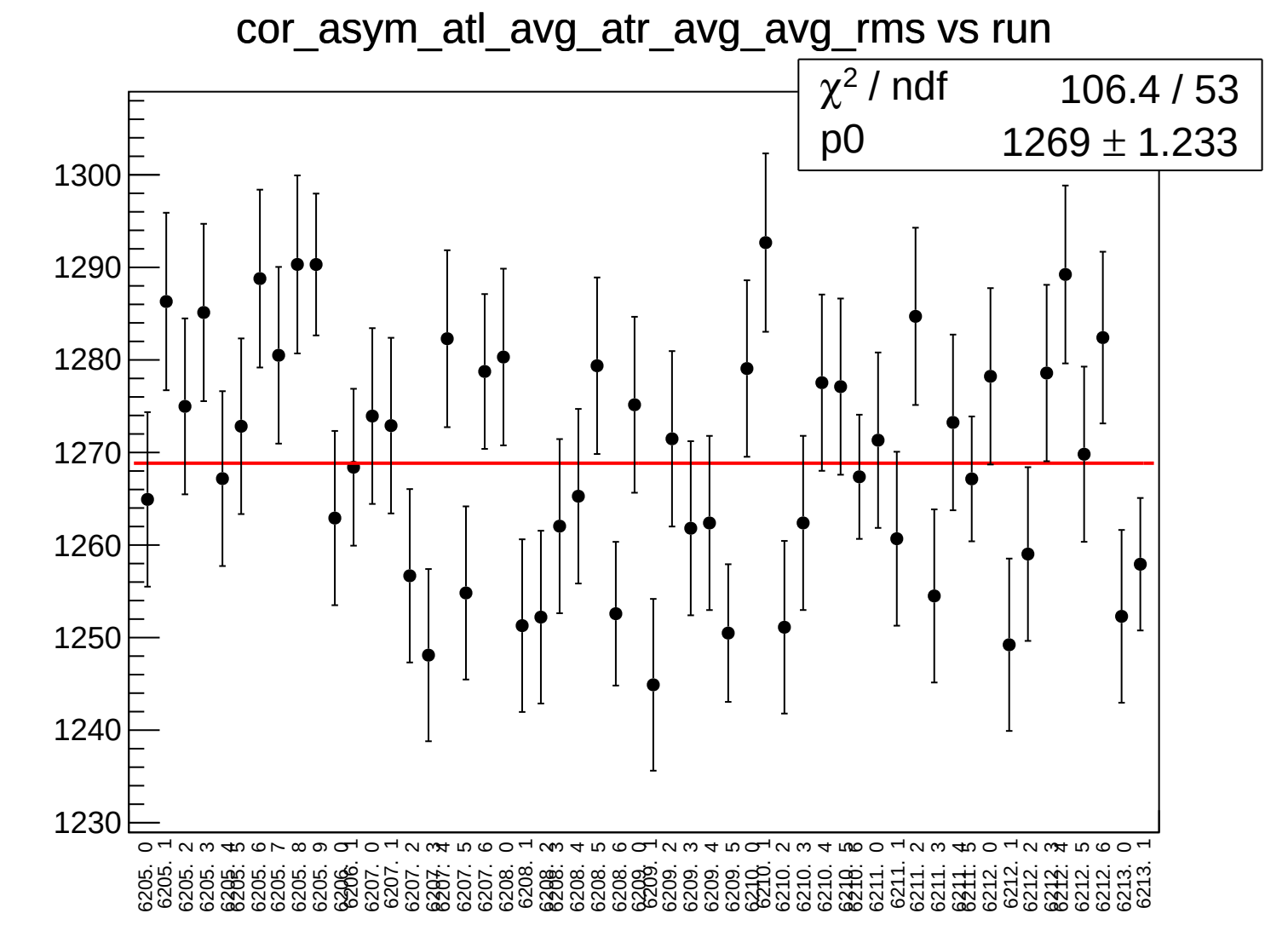

asym_atl_avg_atr_avg_avg_reg_correction_mean vs run
×10^3
χ² / ndf 42.33 / 53
p0 4096 ± 7147
200
150
100
50
0
−50
−100
−150
pull
Entries 54
Mean −123.6
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

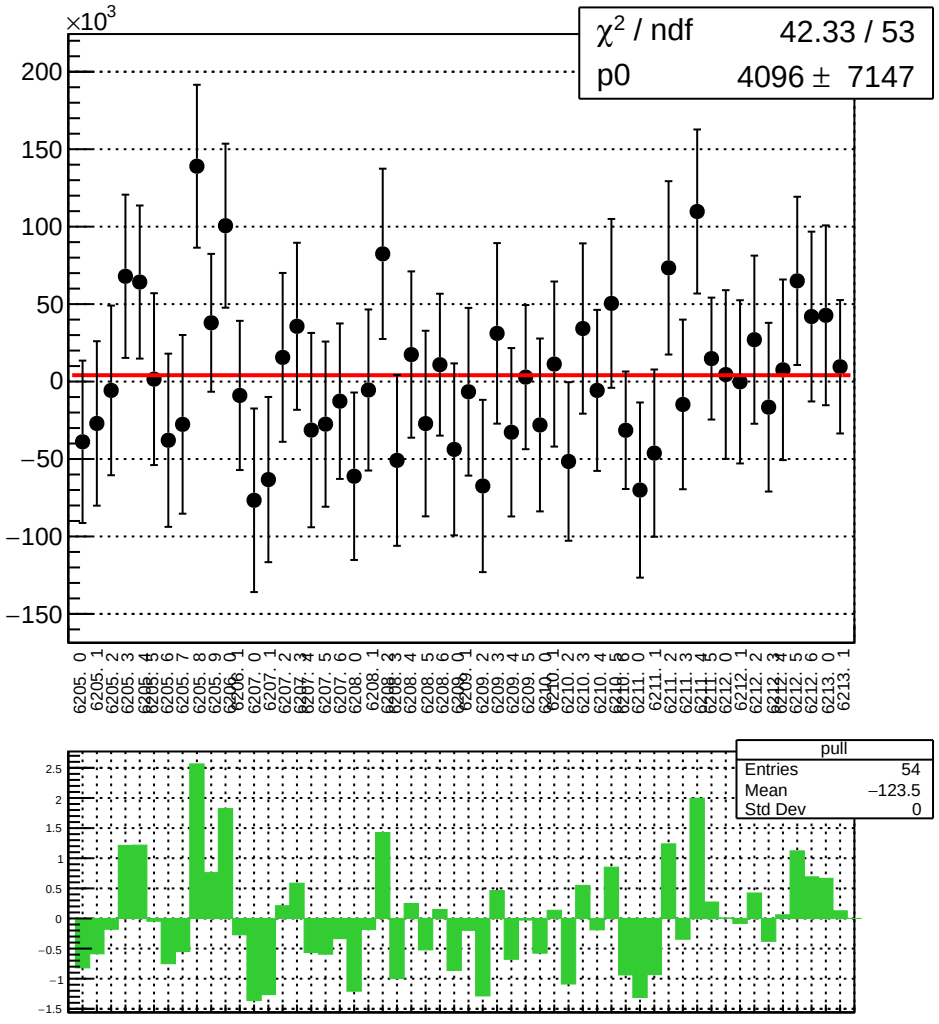

pull1D
Entries 54
Mean −0.005863
Std Dev 0.8853
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

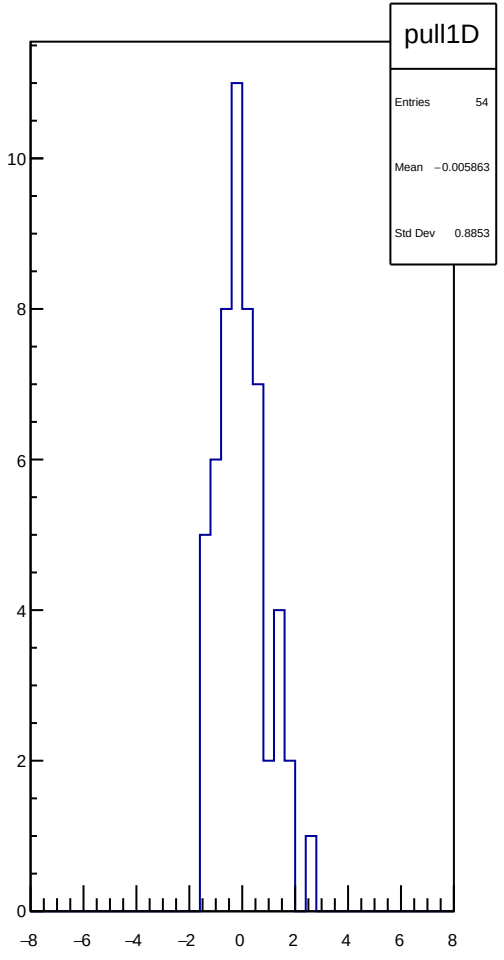

asym_atl_avg_atr_avg_avg_reg_correction_rms vs run
χ² / ndf 1701 / 53
p0 5198 ± 5.054
6000
5800
5600
5400
5200
5000
4800
4600
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

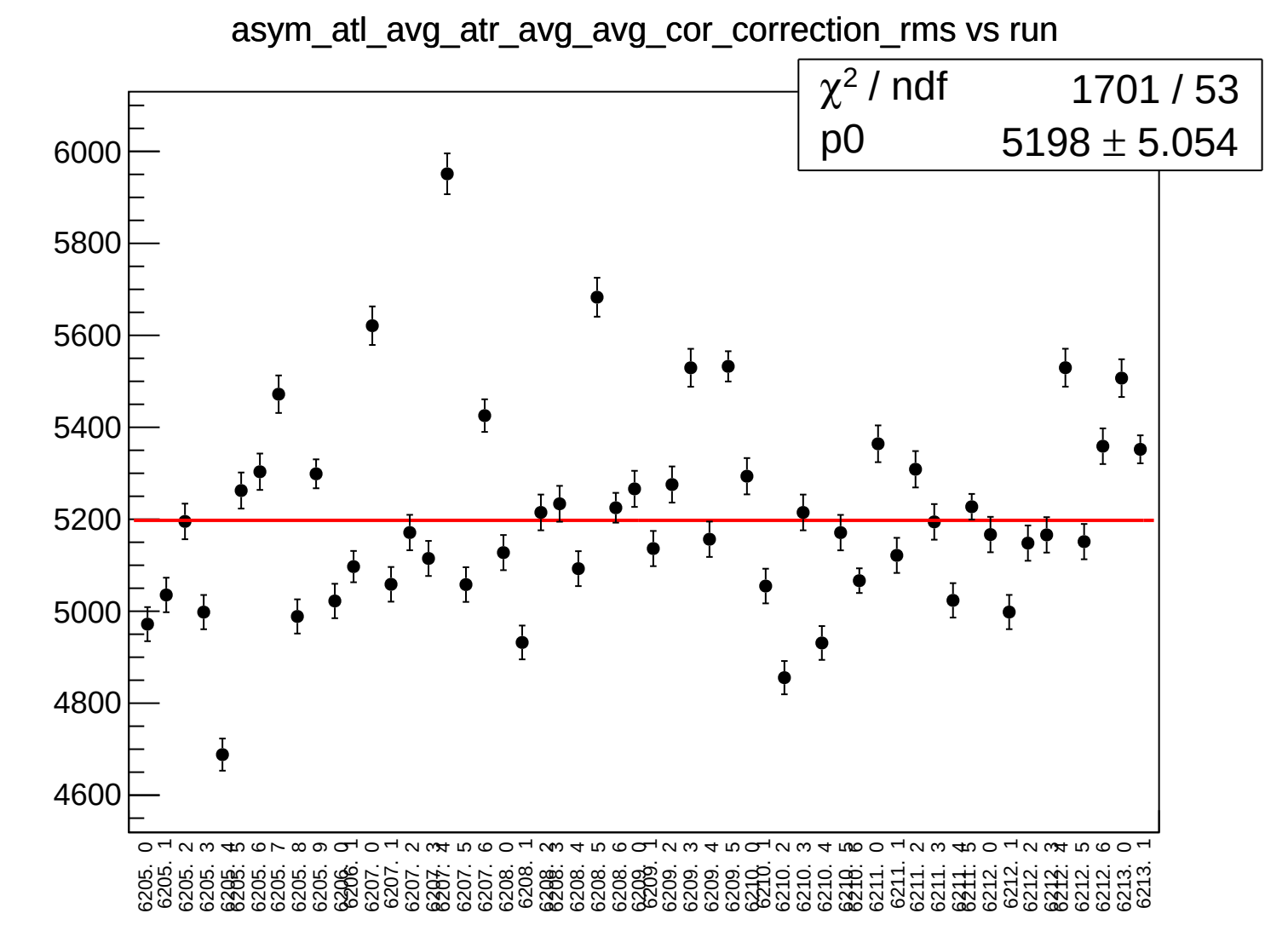

cor_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 53.04 / 53
p0 3371 ± 1743
pull
Entries 54
Mean 103.4
Std Dev 0

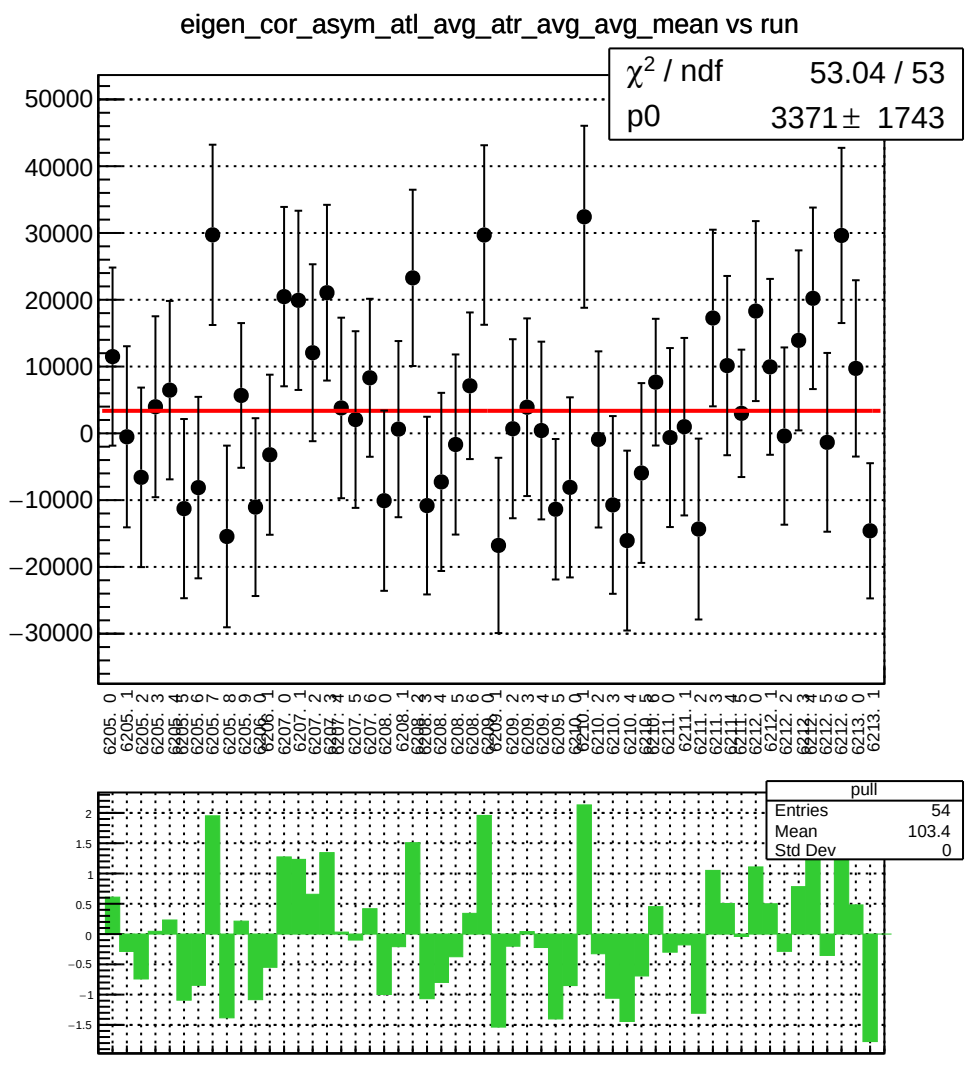

pull1D
Entries 54
Mean 0.01158
Std Dev 0.991

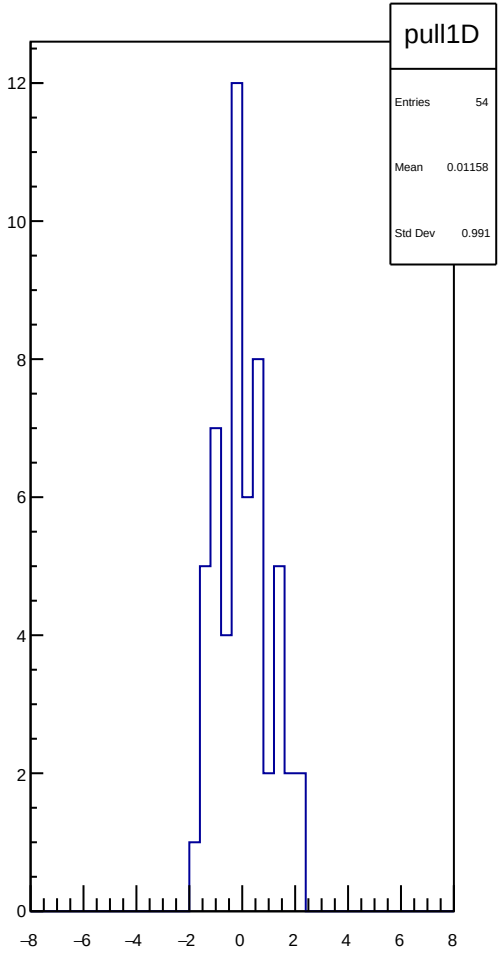

cor_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 106.4 / 53
p0 1269 ± 1.233
1300
1290
1280
1270
1260
1250
1240
1230
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

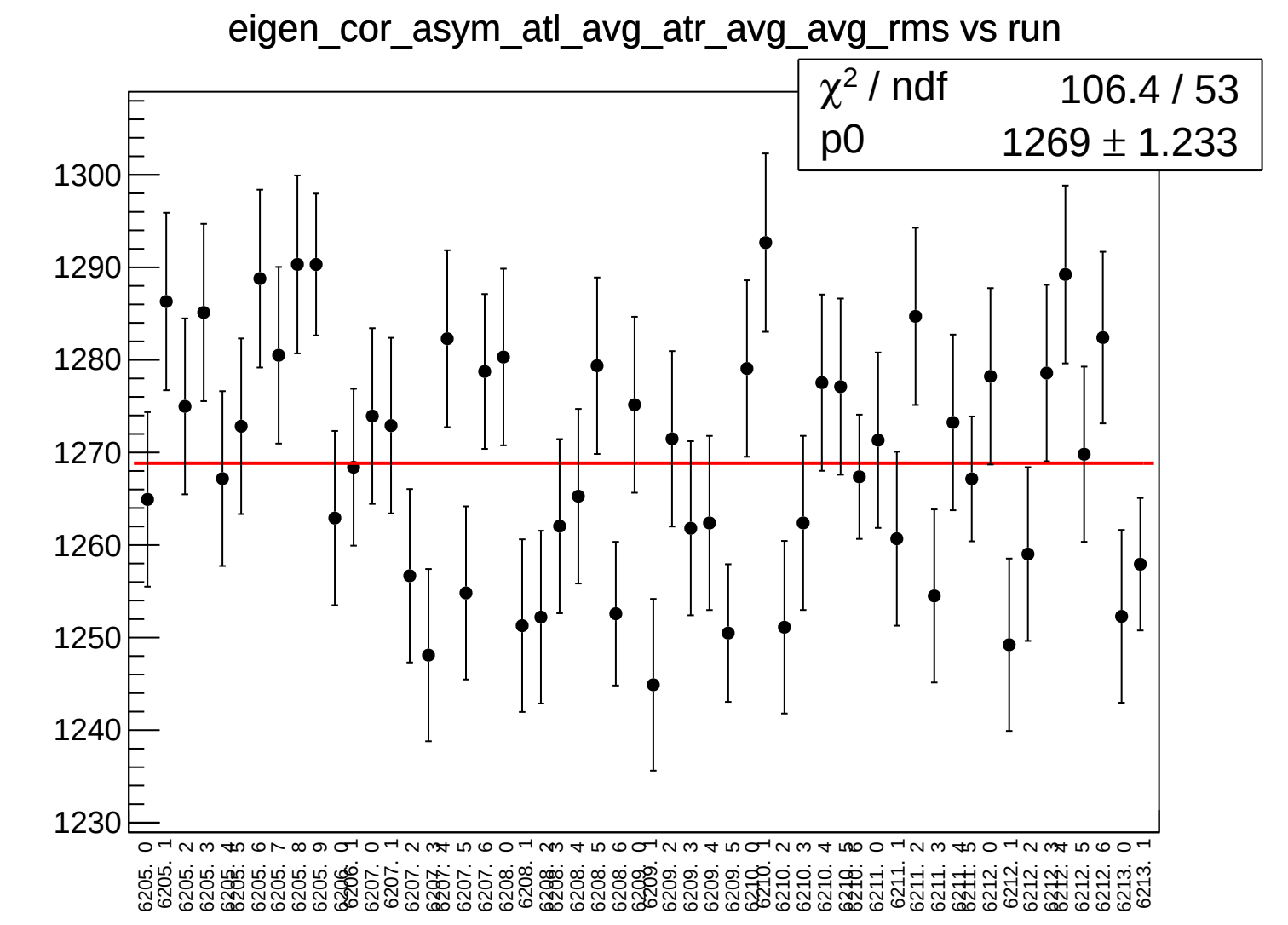

asym_atl_avg_atr_avg_avg_cor_correction_mean vs run
×10^3
χ² / ndf 42.33 / 53
p0 4096 ± 7147
pull
Entries 54
Mean −123.5
Std Dev 0

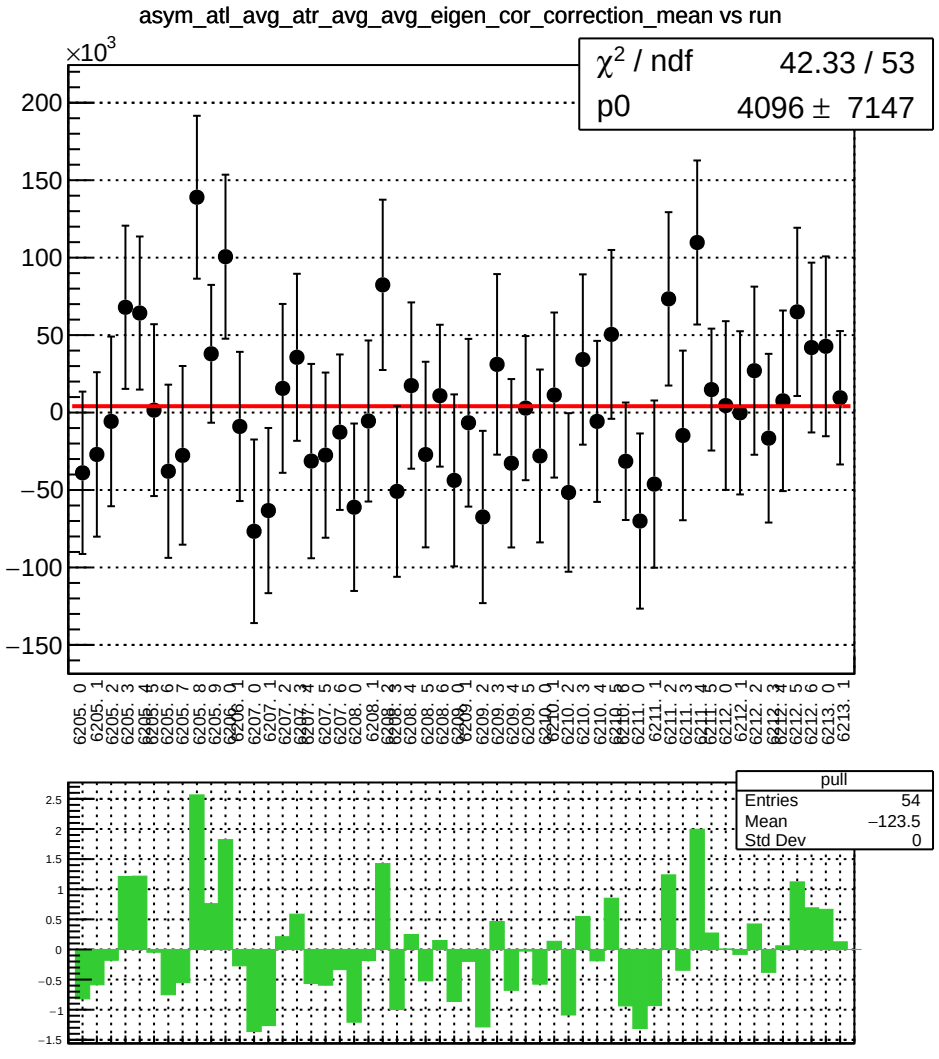

pull1D
Entries 54
Mean −0.005863
Std Dev 0.8853

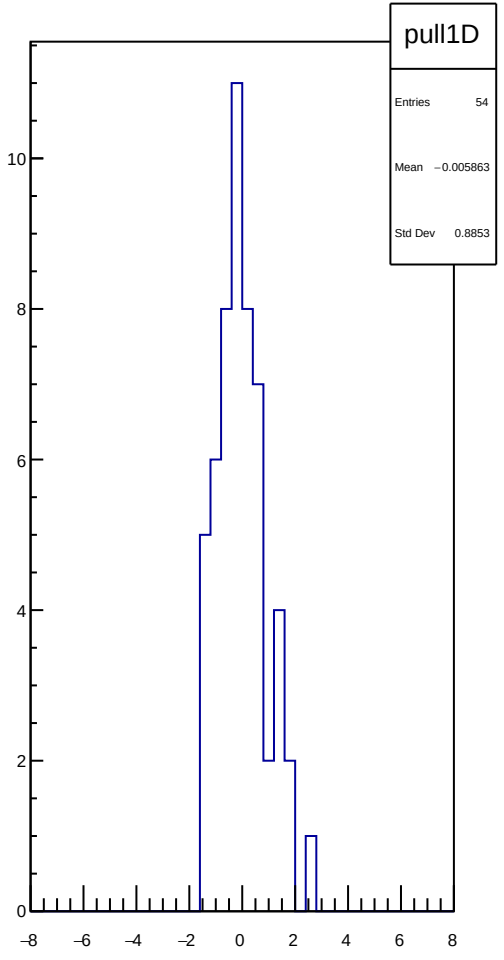

asym_atl_avg_atr_avg_avg_cor_correction_rms vs run
χ² / ndf 1701 / 53
p0 5198 ± 5.054
6000
5800
5600
5400
5200
5000
4800
4600
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

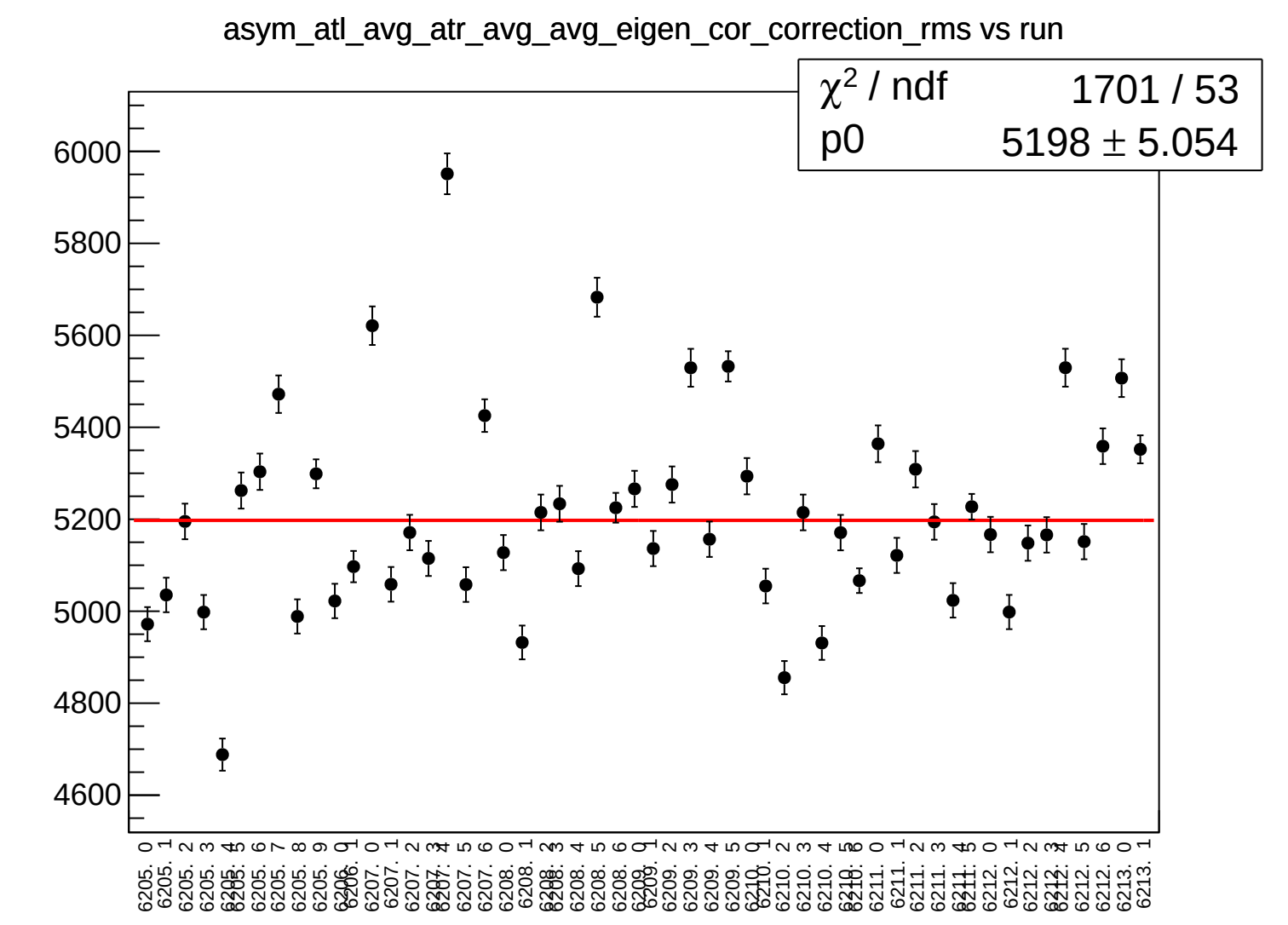

eigen_cor_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 53.04 / 53
p0 3371 ± 1743
pull
Entries 54
Mean 103.4
Std Dev 0

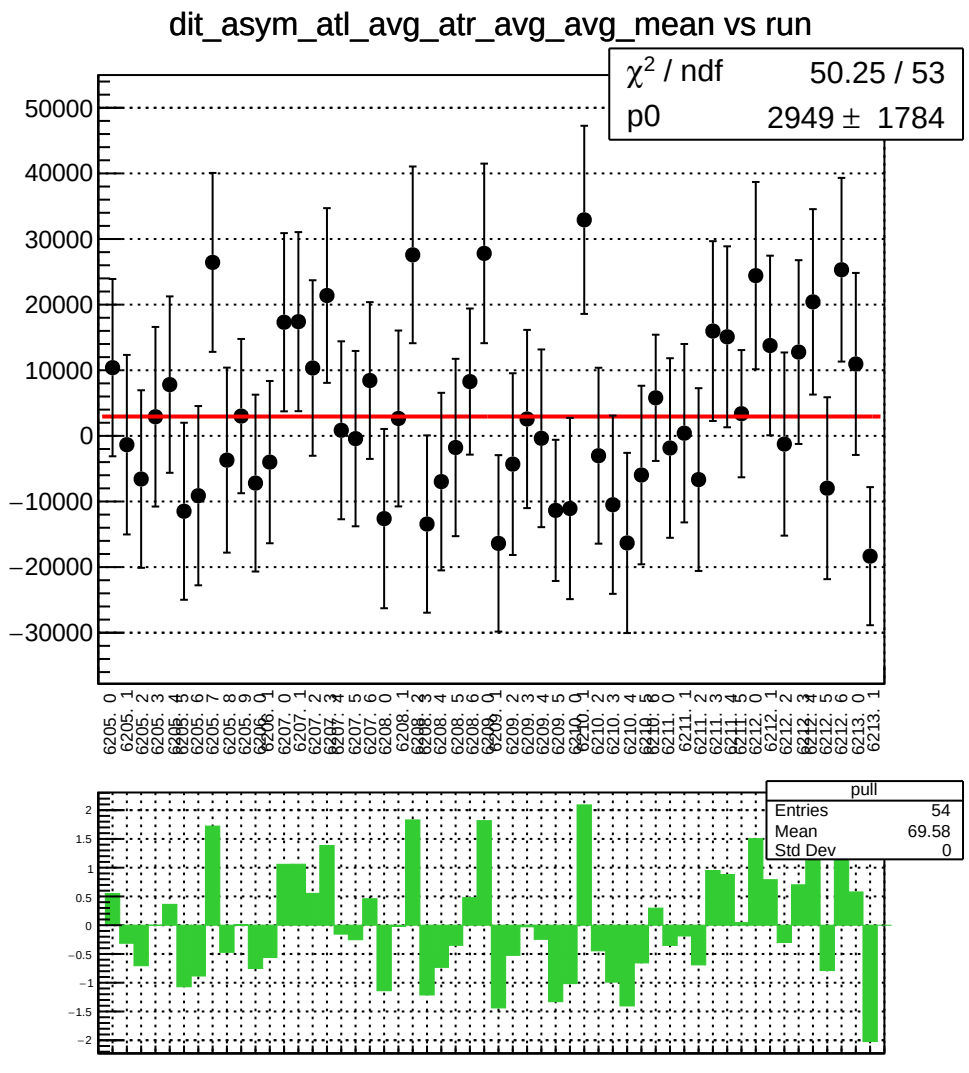

pull1D
Entries 54
Mean 0.01158
Std Dev 0.991

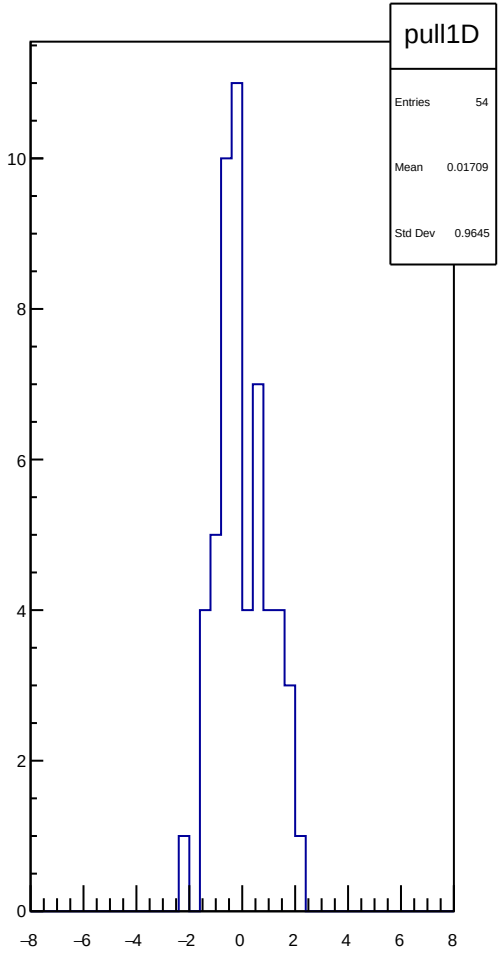

eigen_cor_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 106.4 / 53
p0 1269 ± 1.233
1300
1290
1280
1270
1260
1250
1240
1230
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

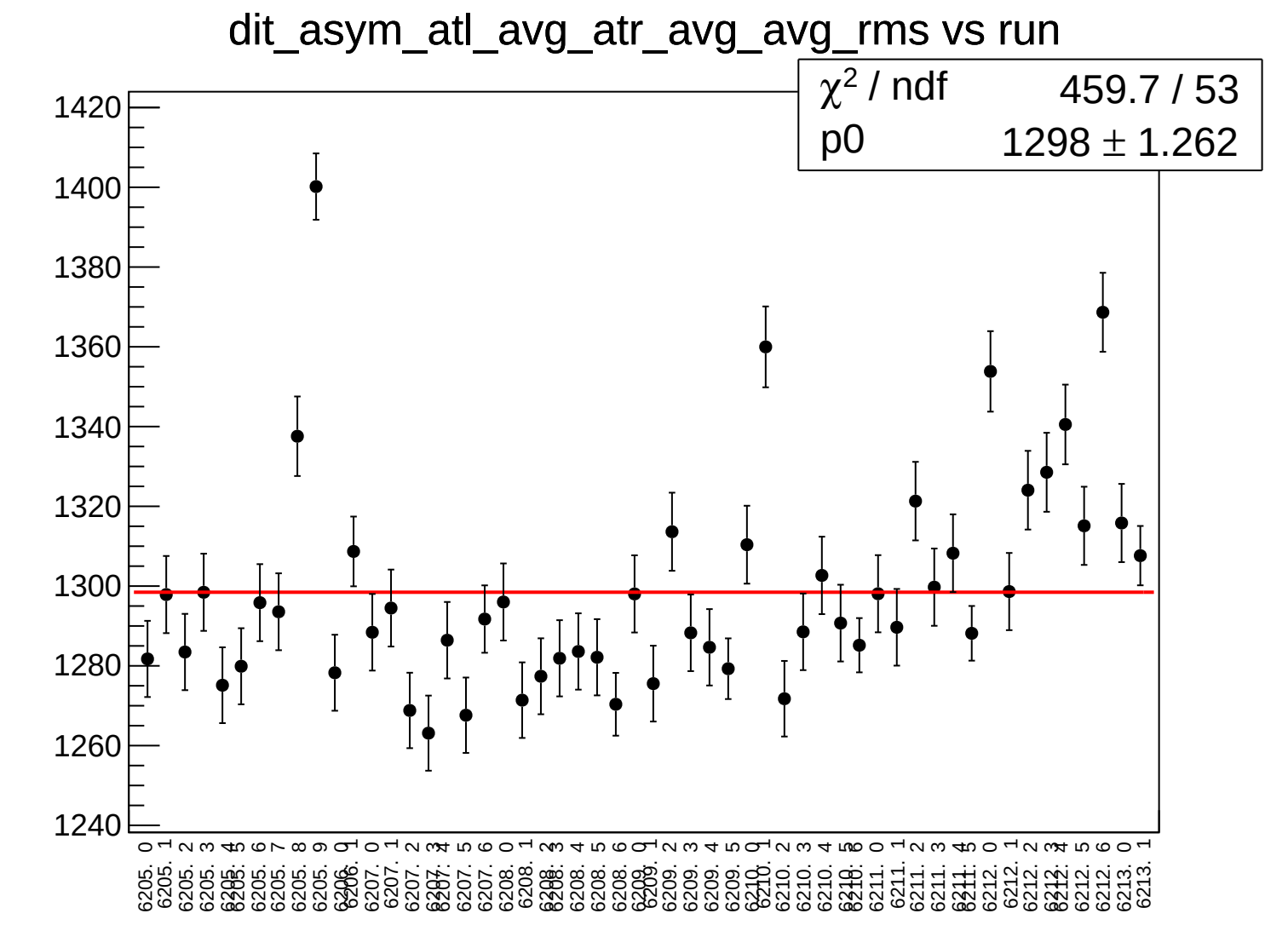

asym_atl_avg_atr_avg_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 42.33 / 53
p0 4096 ± 7147
pull
Entries 54
Mean −123.5
Std Dev 0

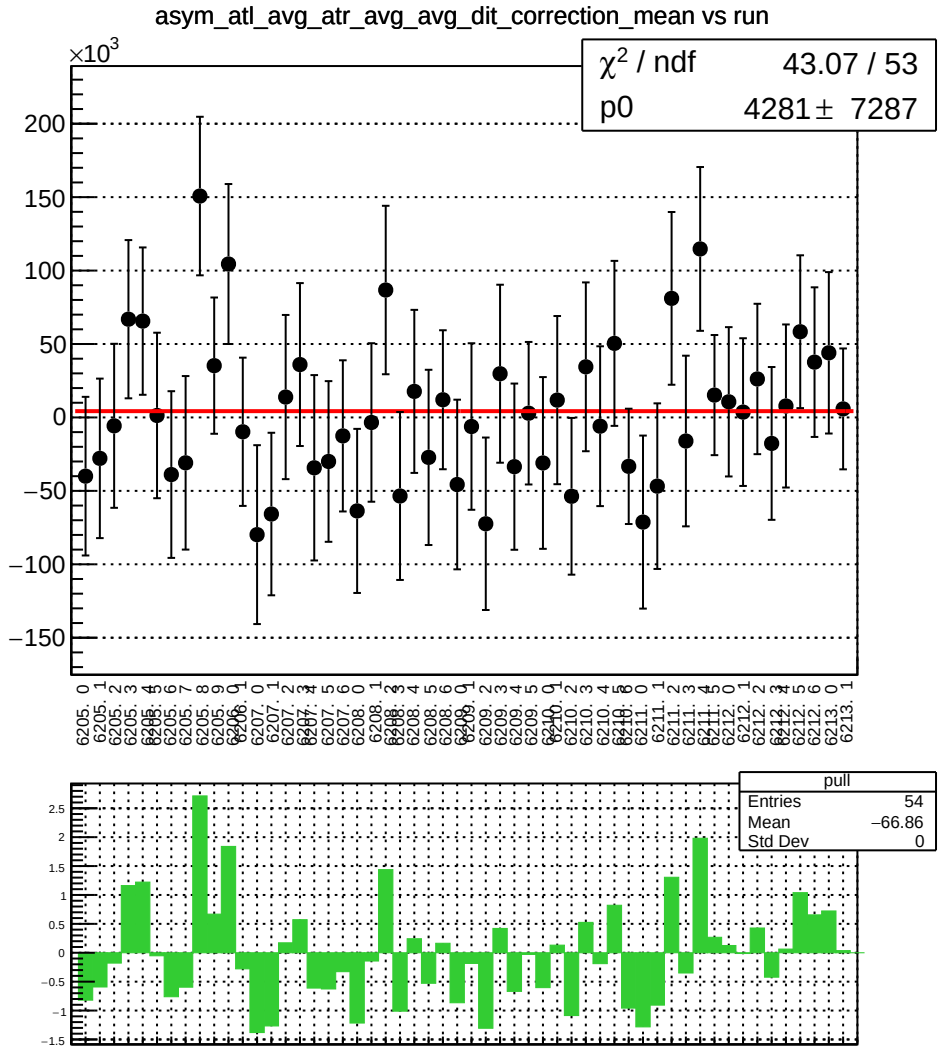

pull1D
Entries 54
Mean −0.005863
Std Dev 0.8853

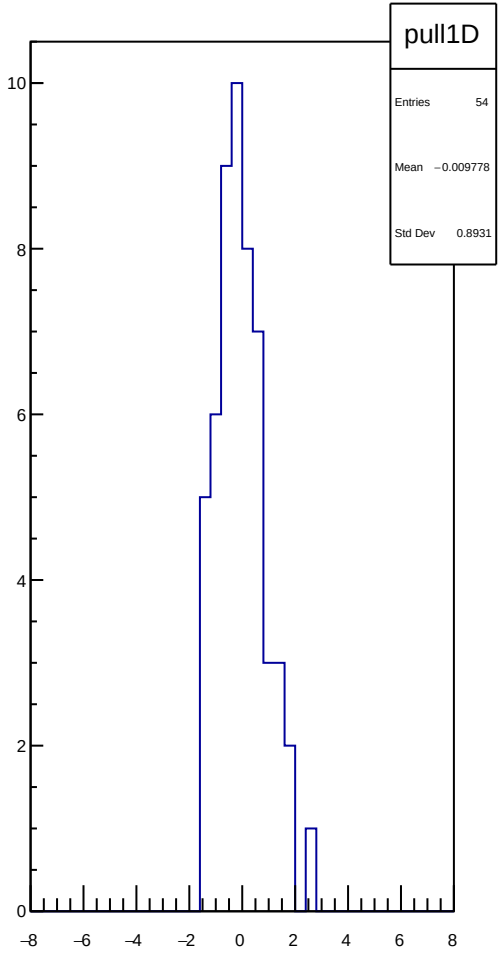

asym_atl_avg_atr_avg_avg_eigen_cor_correction_rms vs run
χ² / ndf 1701 / 53
p0 5198 ± 5.054
6000
5800
5600
5400
5200
5000
4800
4600
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

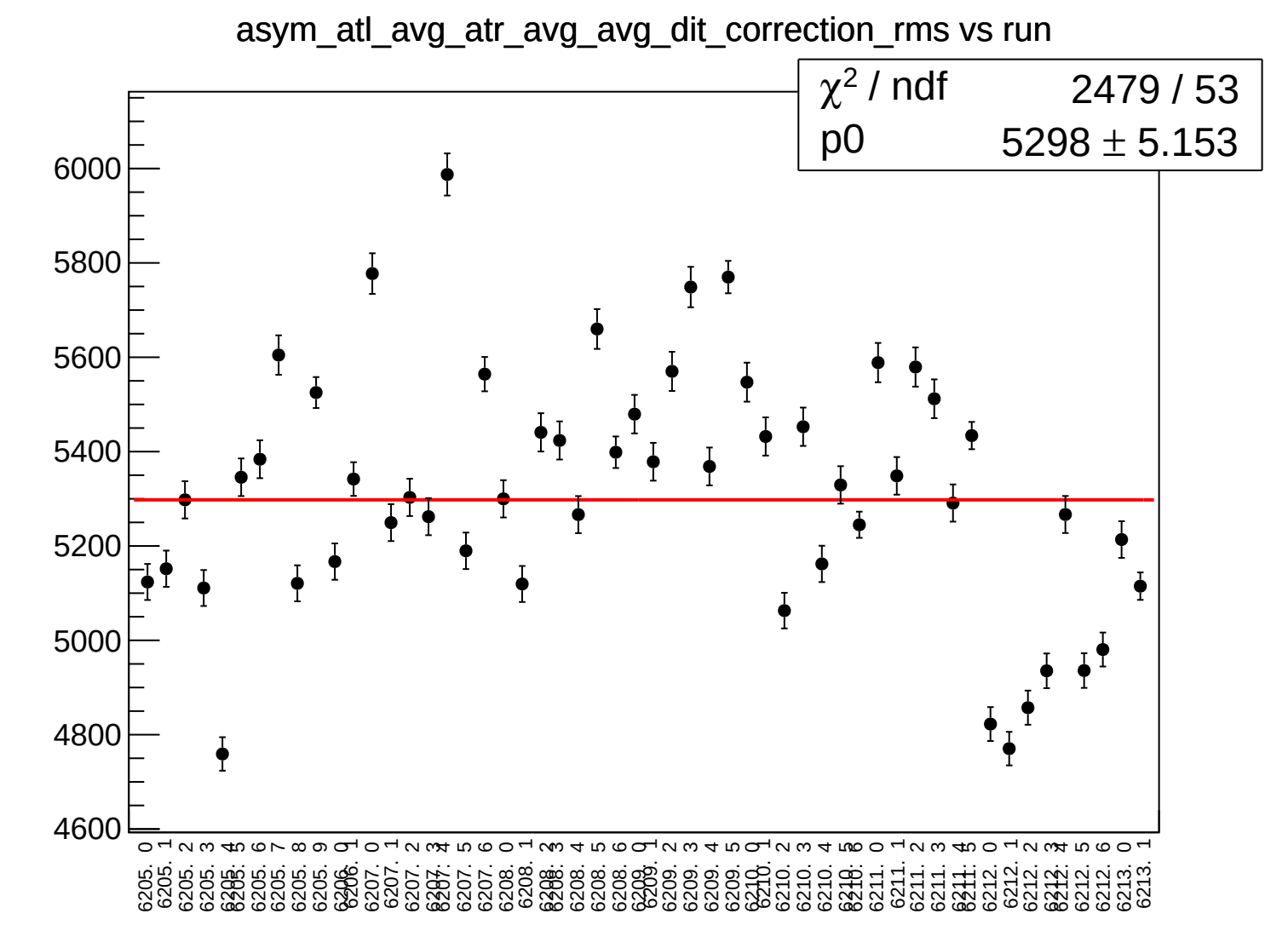

dit_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 50.25 / 53
p0 2949 ± 1784
pull
Entries 54
Mean 69.58
Std Dev 0

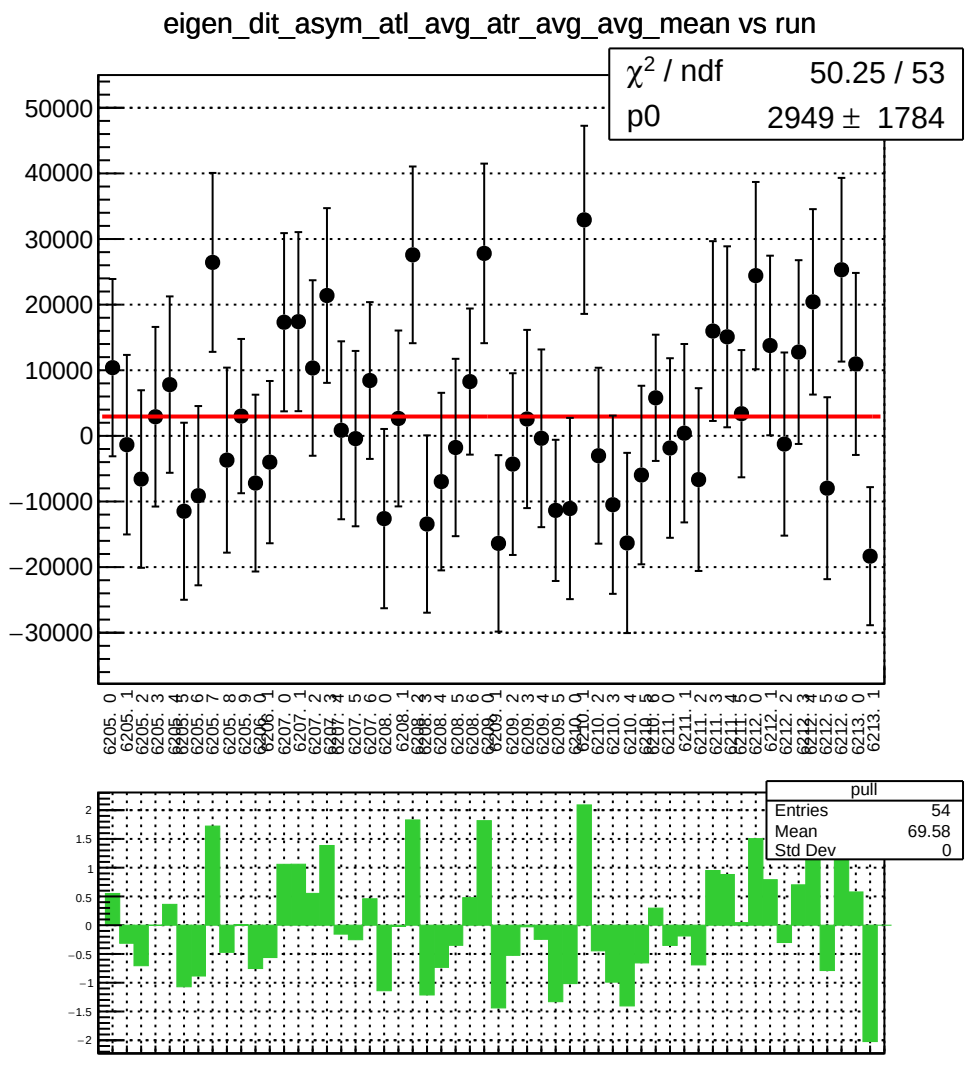

pull1D
Entries 54
Mean 0.01709
Std Dev 0.9645

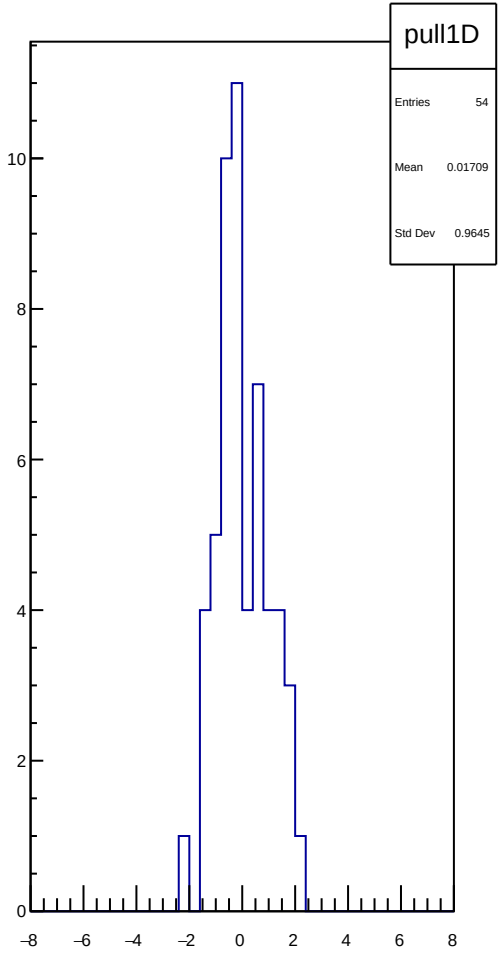

dit_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 459.7 / 53
p0 1298 ± 1.262
1420
1400
1380
1360
1340
1320
1300
1280
1260
1240
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 1
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

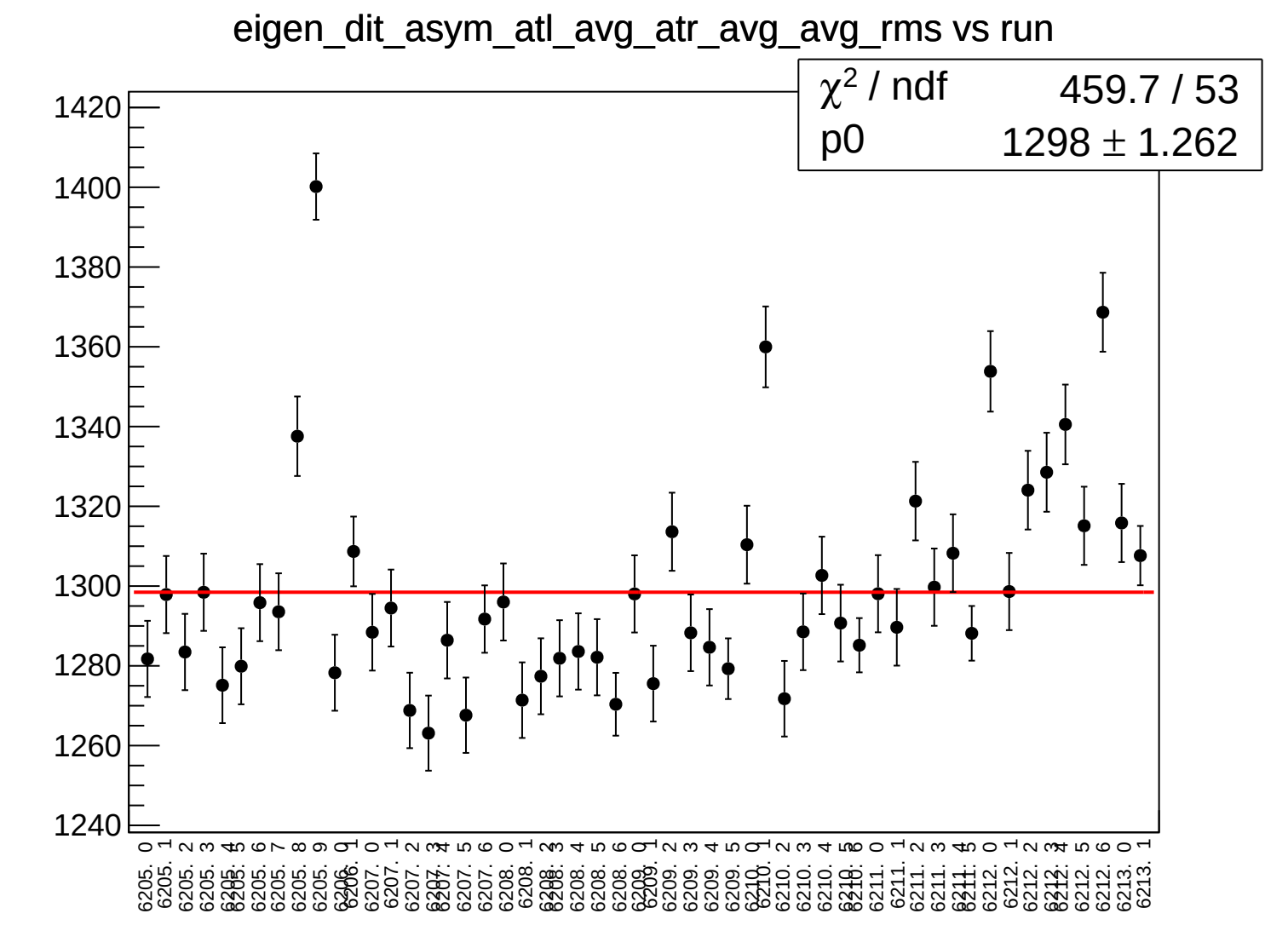

asym_atl_avg_atr_avg_avg_dit_correction_mean vs run
×10^3
χ² / ndf 43.07 / 53
p0 4281 ± 7287
200
150
100
50
0
−50
−100
−150
pull
Entries 54
Mean −66.86
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

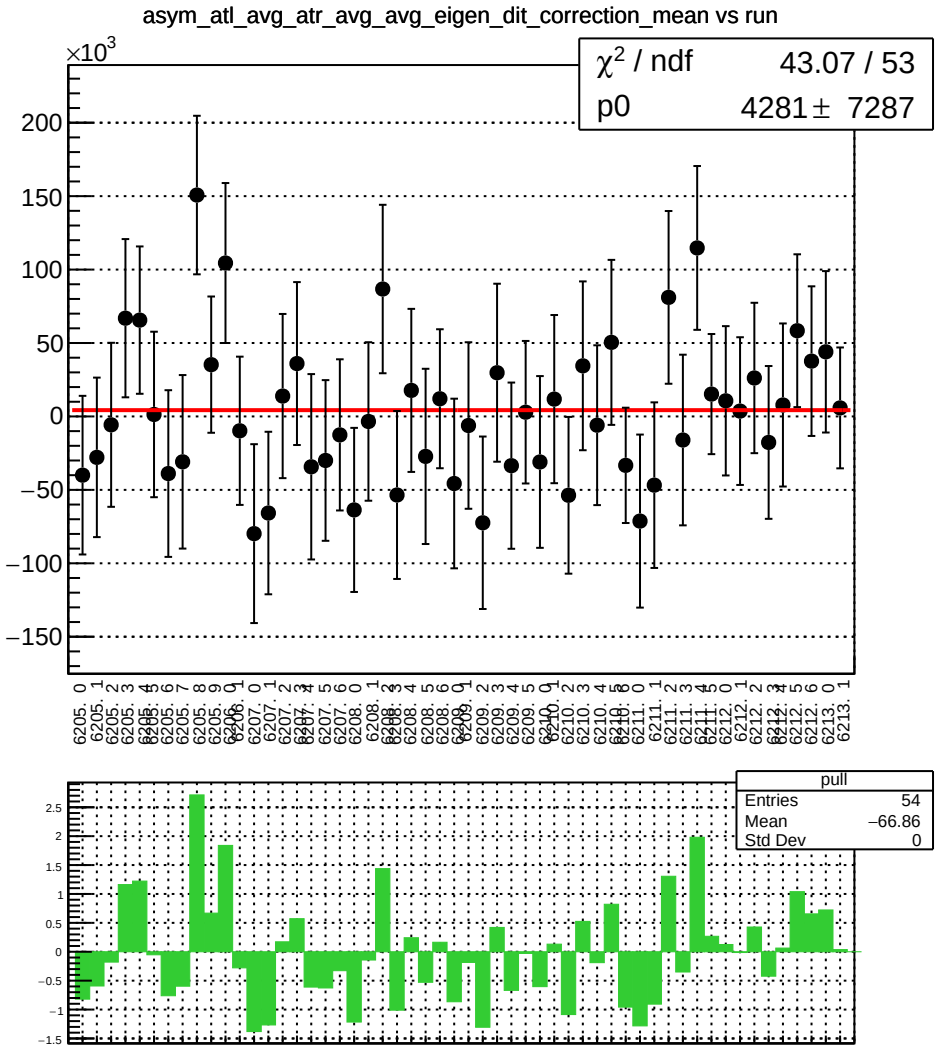

pull1D
Entries 54
Mean −0.009778
Std Dev 0.8931
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

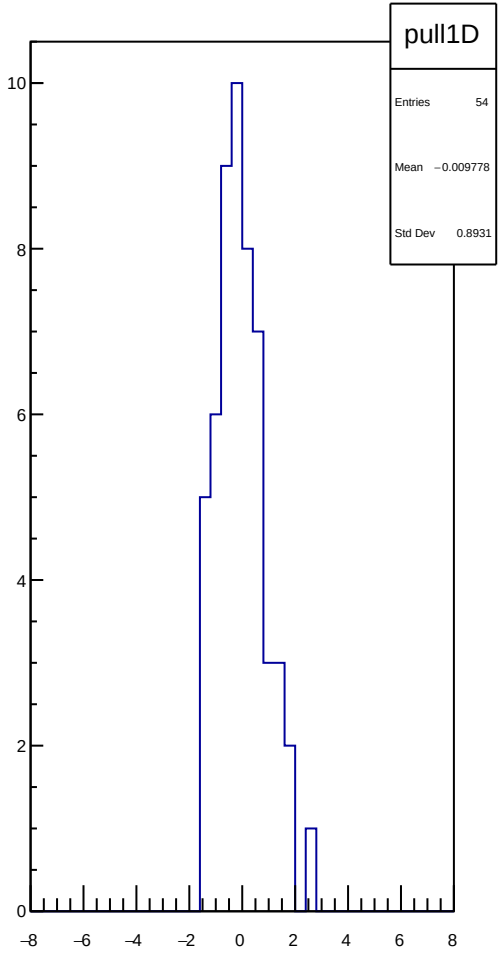

asym_atl_avg_atr_avg_avg_dit_correction_rms vs run
χ² / ndf 2479 / 53
p0 5298 ± 5.153
6000
5800
5600
5400
5200
5000
4800
4600

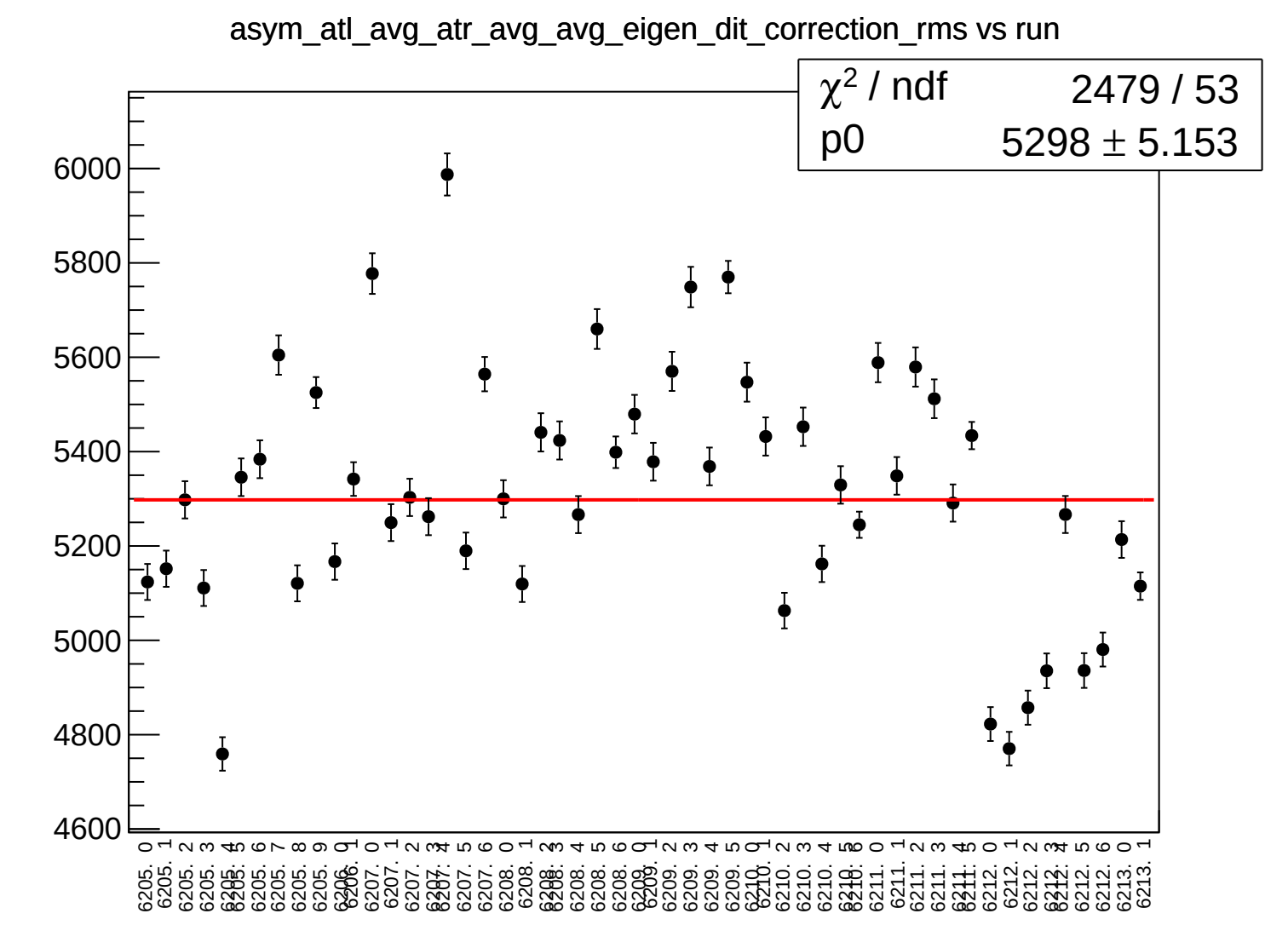

eigen_dit_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 50.25 / 53
p0 2949 ± 1784
pull
Entries 54
Mean 69.58
Std Dev 0

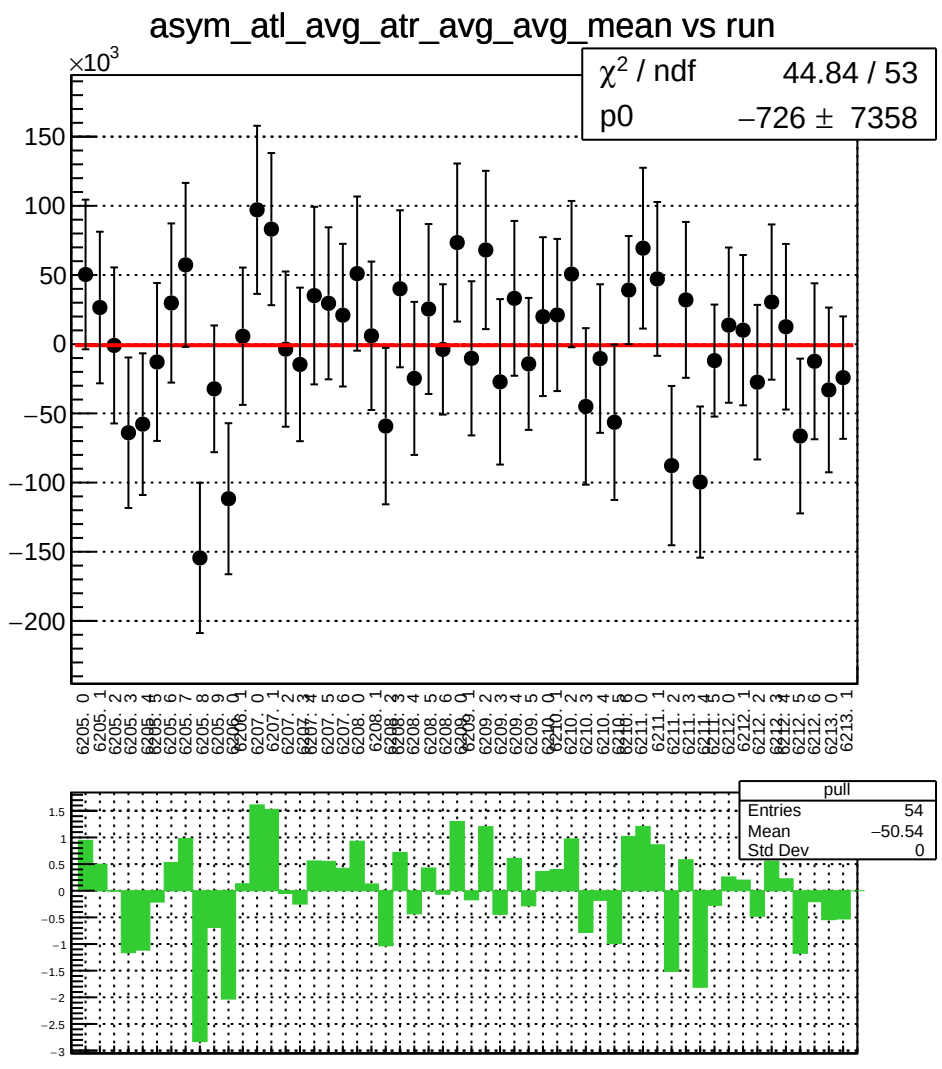

pull1D
Entries 54
Mean 0.01709
Std Dev 0.9645

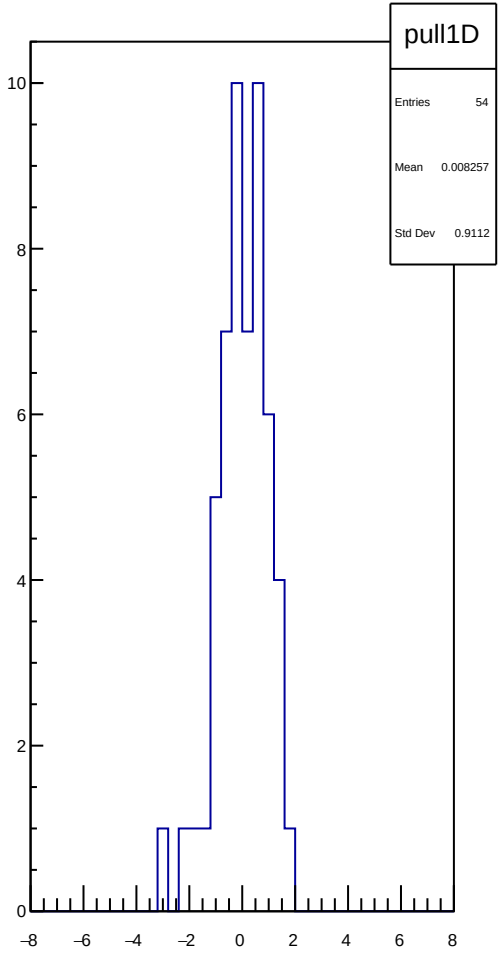

eigen_dit_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 459.7 / 53
p0 1298 ± 1.262
1420
1400
1380
1360
1340
1320
1300
1280
1260
1240
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 1
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 1
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

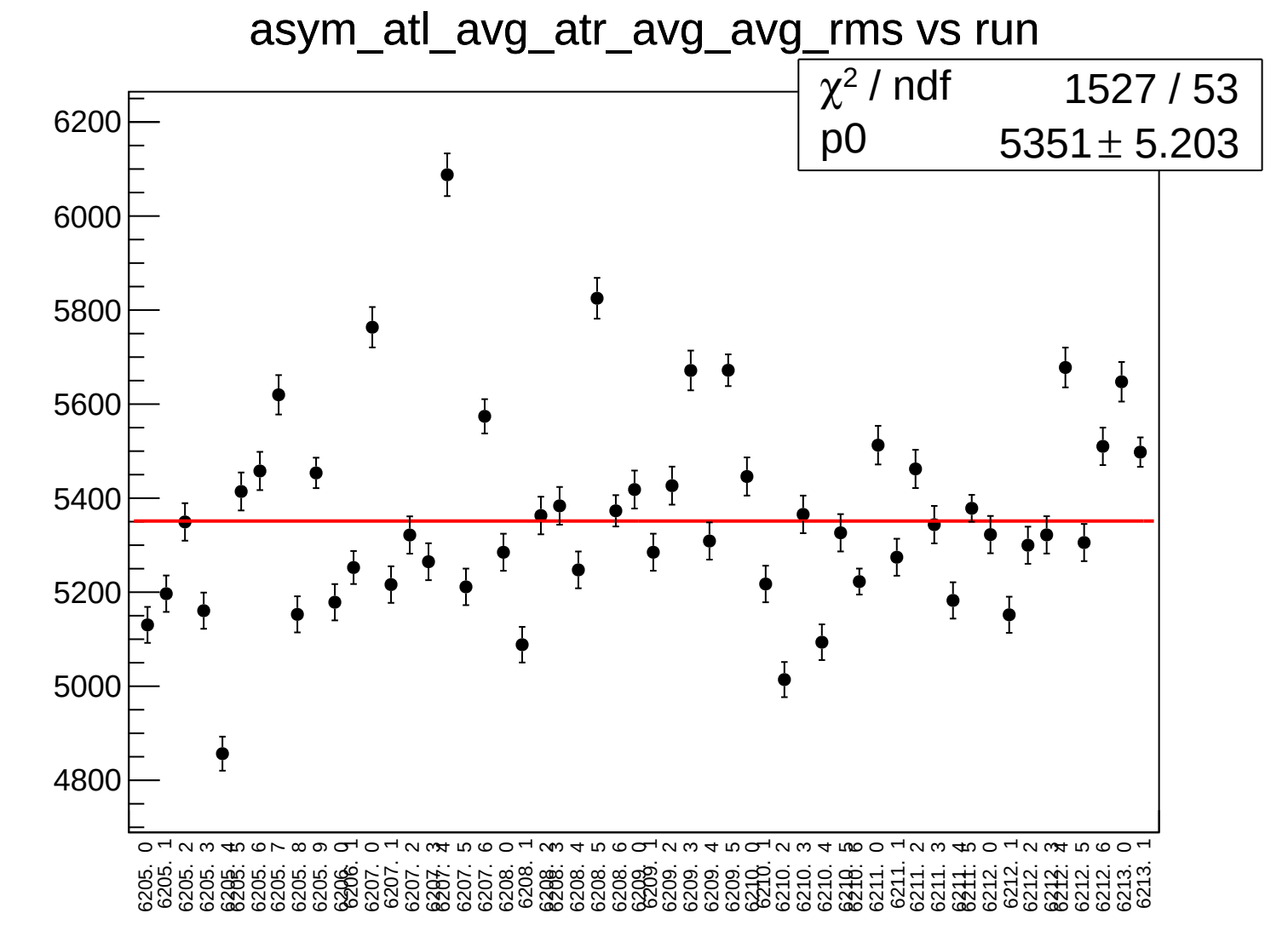

asym_atl_avg_atr_avg_avg_eigen_dit_correction_mean vs run
×10^3
χ^2 / ndf 43.07 / 53
p0 4281 ± 7287
pull
Entries 54
Mean −66.86
Std Dev 0

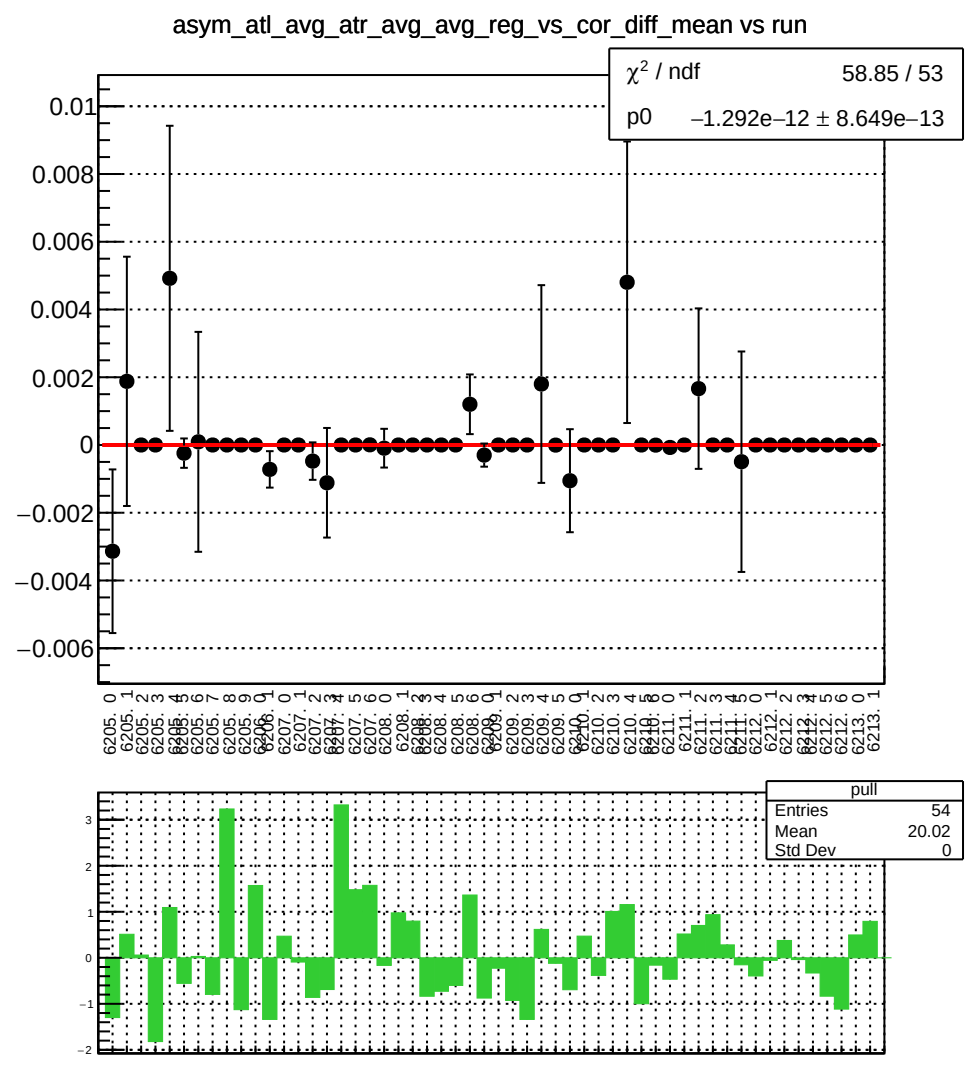

pull1D
Entries 54
Mean −0.009778
Std Dev 0.8931

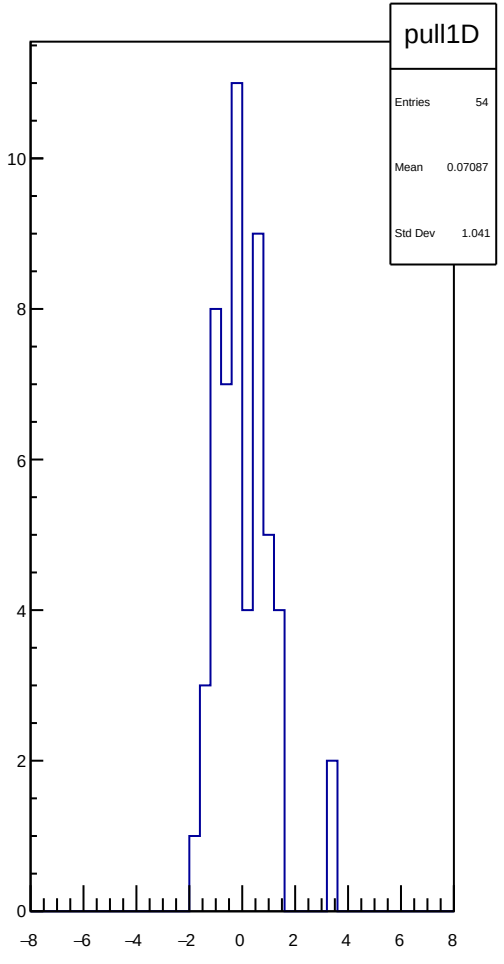

asym_atl_avg_atr_avg_avg_eigen_dit_correction_rms vs run
χ² / ndf 2479 / 53
p0 5298 ± 5.153
6000
5800
5600
5400
5200
5000
4800
4600

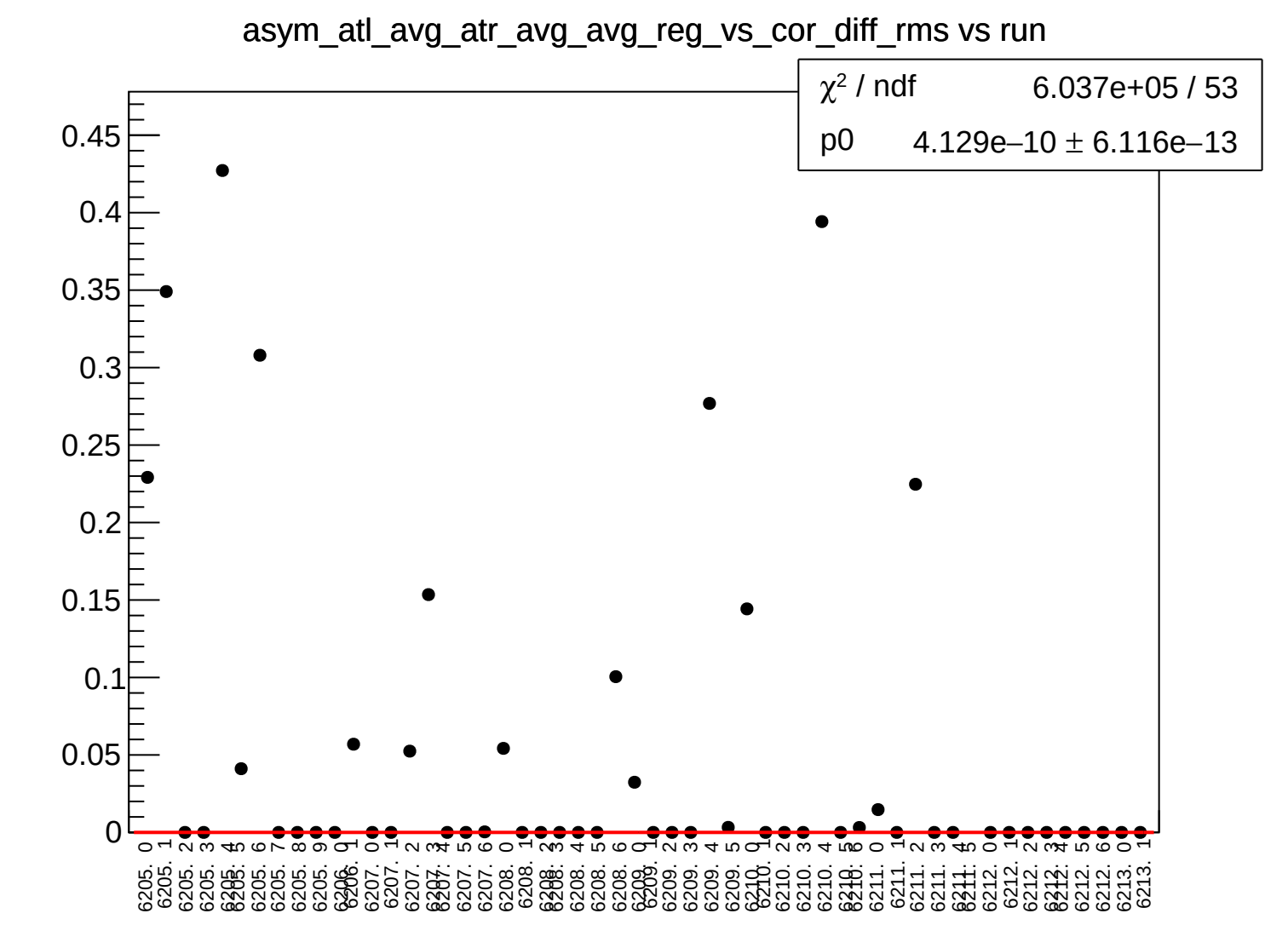

asym_atl_avg_atr_avg_avg_mean vs run
×10^3
χ² / ndf 44.84 / 53
p0 −726 ± 7358
150
100
50
0
−50
−100
−150
−200
pull
Entries 54
Mean −50.54
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3

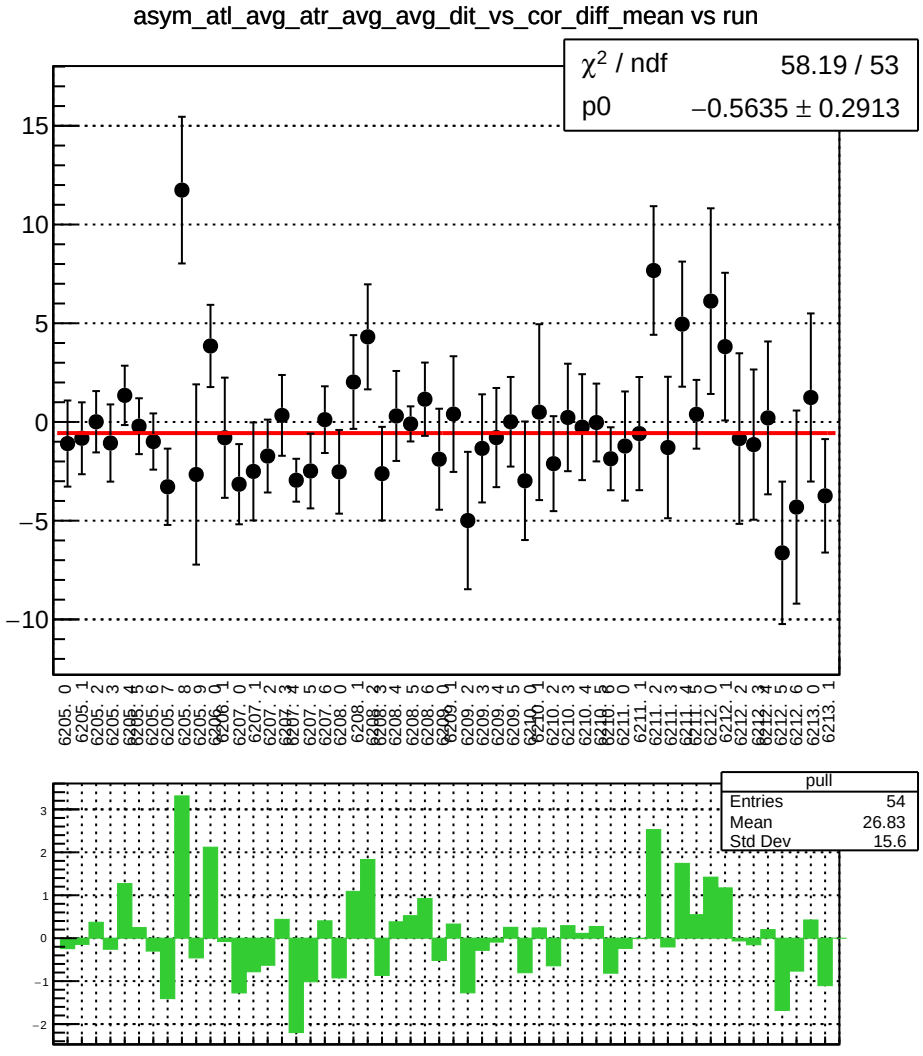

pull1D
Entries 54
Mean 0.008257
Std Dev 0.9112
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

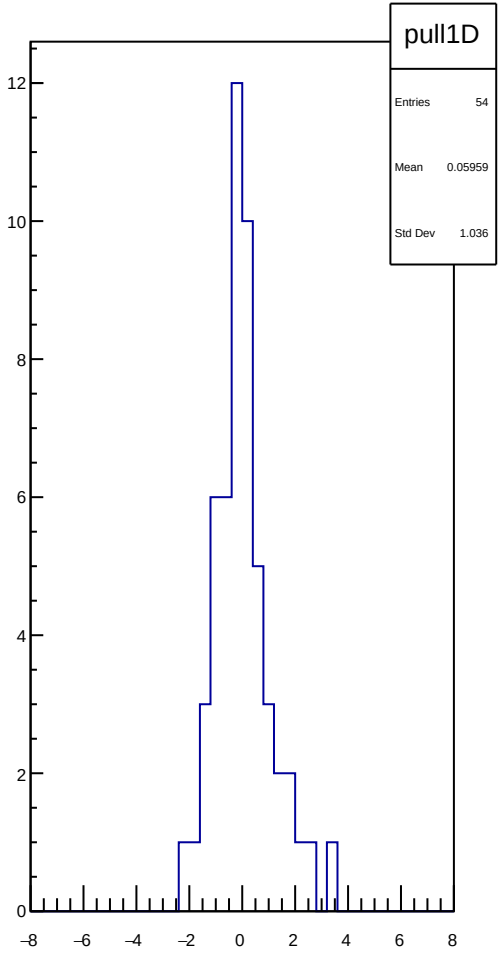

asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 1527 / 53
p0 5351 ± 5.203
6200
6000
5800
5600
5400
5200
5000
4800
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

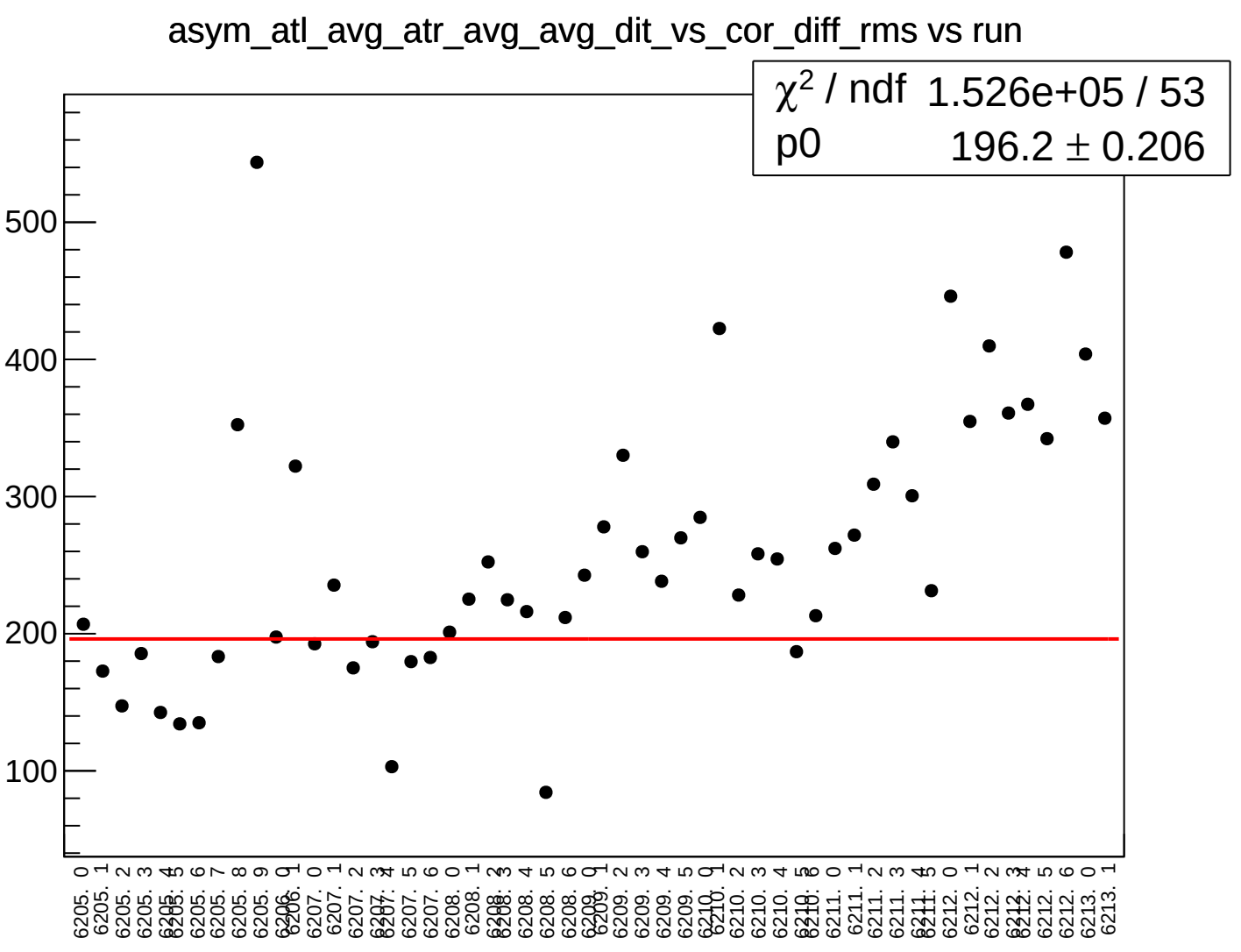

asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 58.85 / 53
p0 −1.292e−12 ± 8.649e−13
pull
Entries 54
Mean 20.02
Std Dev 0

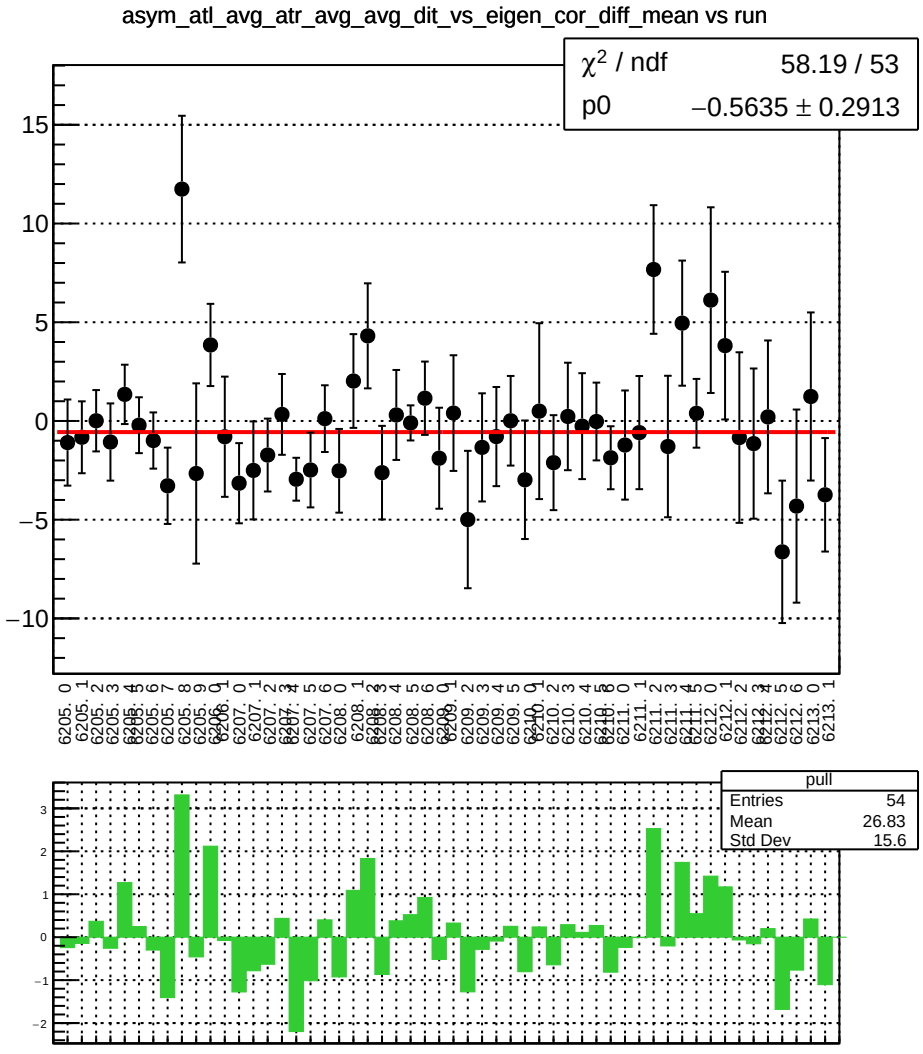

pull1D
Entries 54
Mean 0.07087
Std Dev 1.041

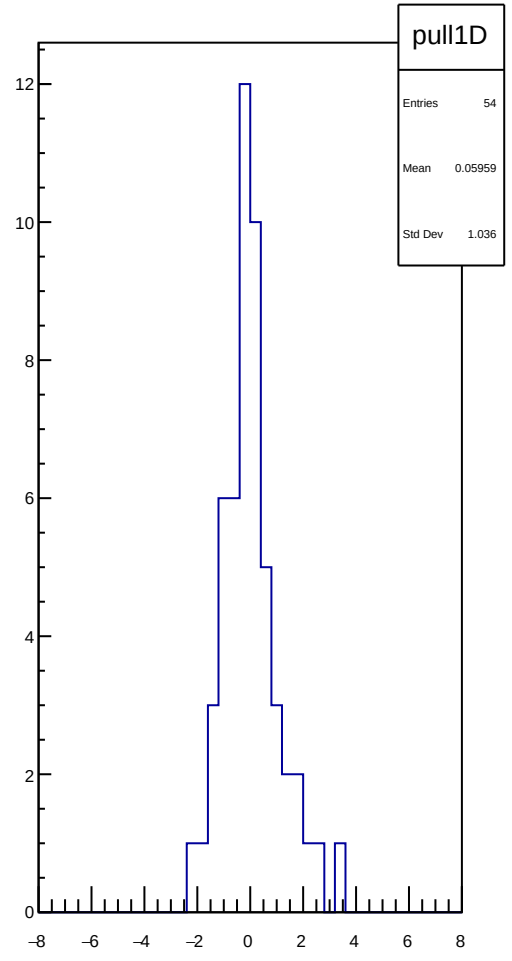

asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.037e+05 / 53
p0 4.129e−10 ± 6.116e−13
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0

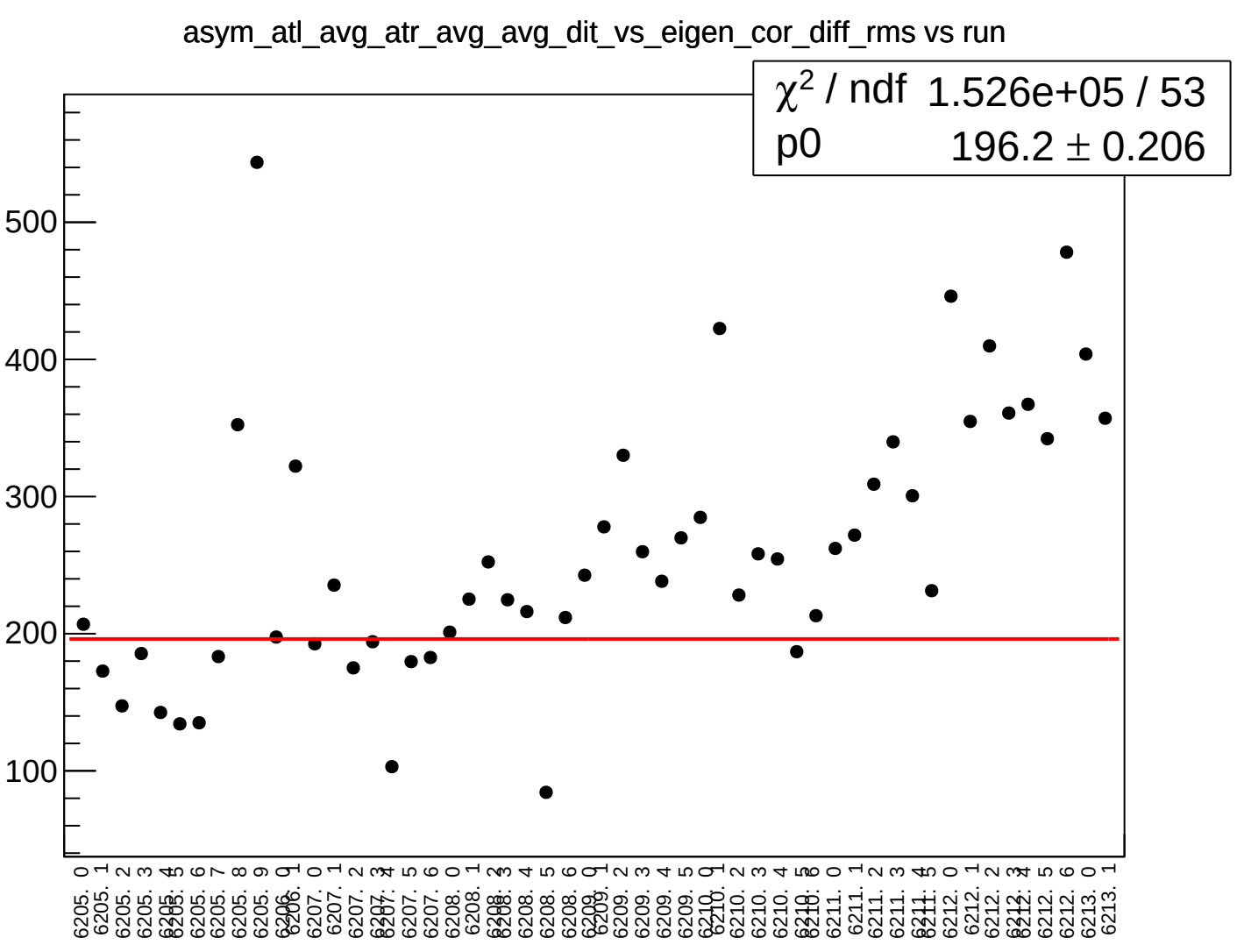

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 58.19 / 53
p0 −0.5635 ± 0.2913
pull
Entries 54
Mean 26.83
Std Dev 15.6

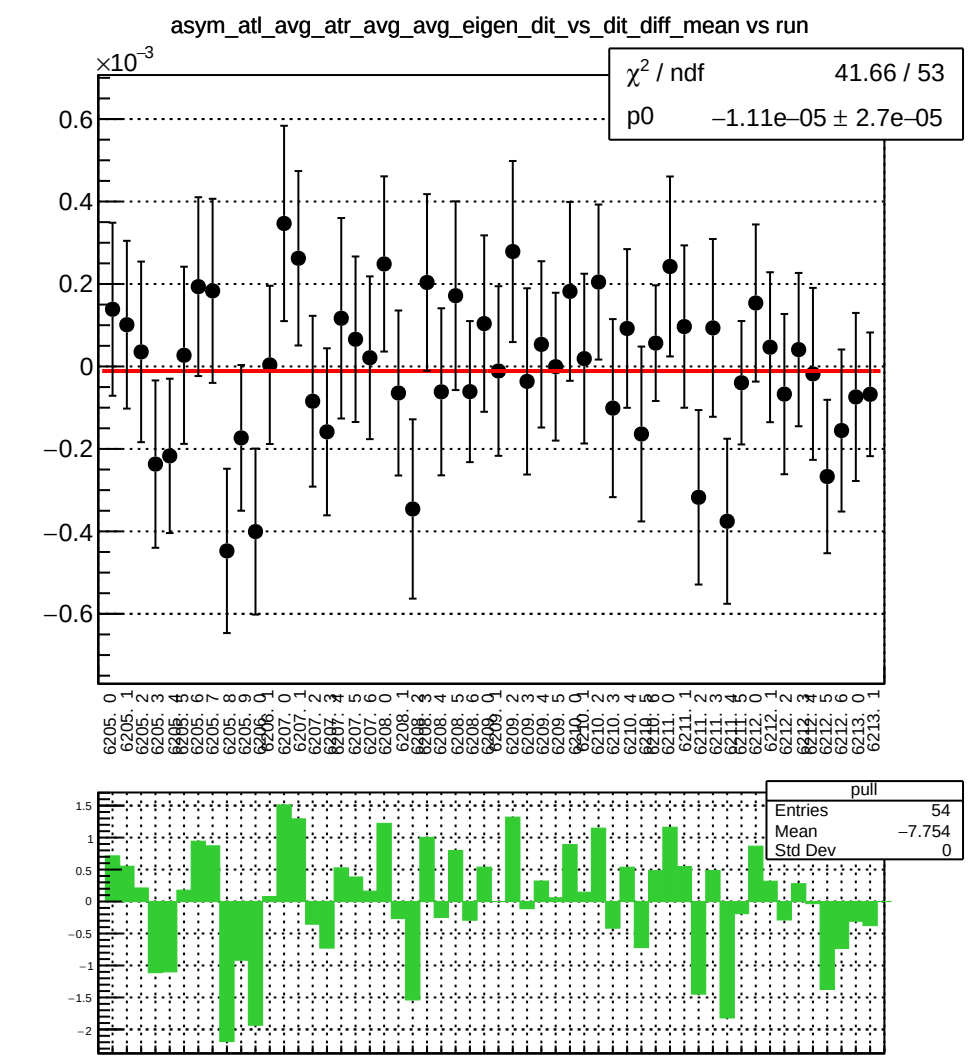

pull1D
Entries 54
Mean 0.05959
Std Dev 1.036

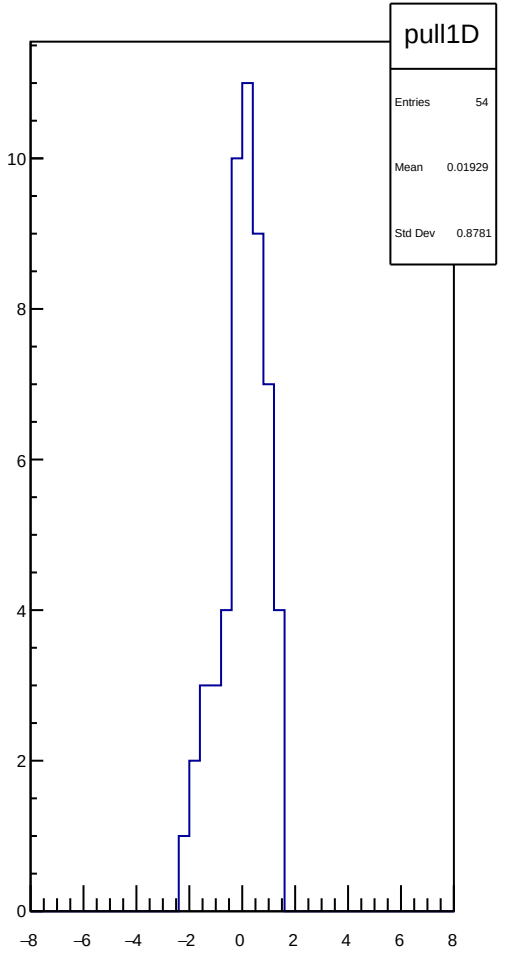

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.526e+05 / 53
p0 196.2 ± 0.206
500
400
300
200
100
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

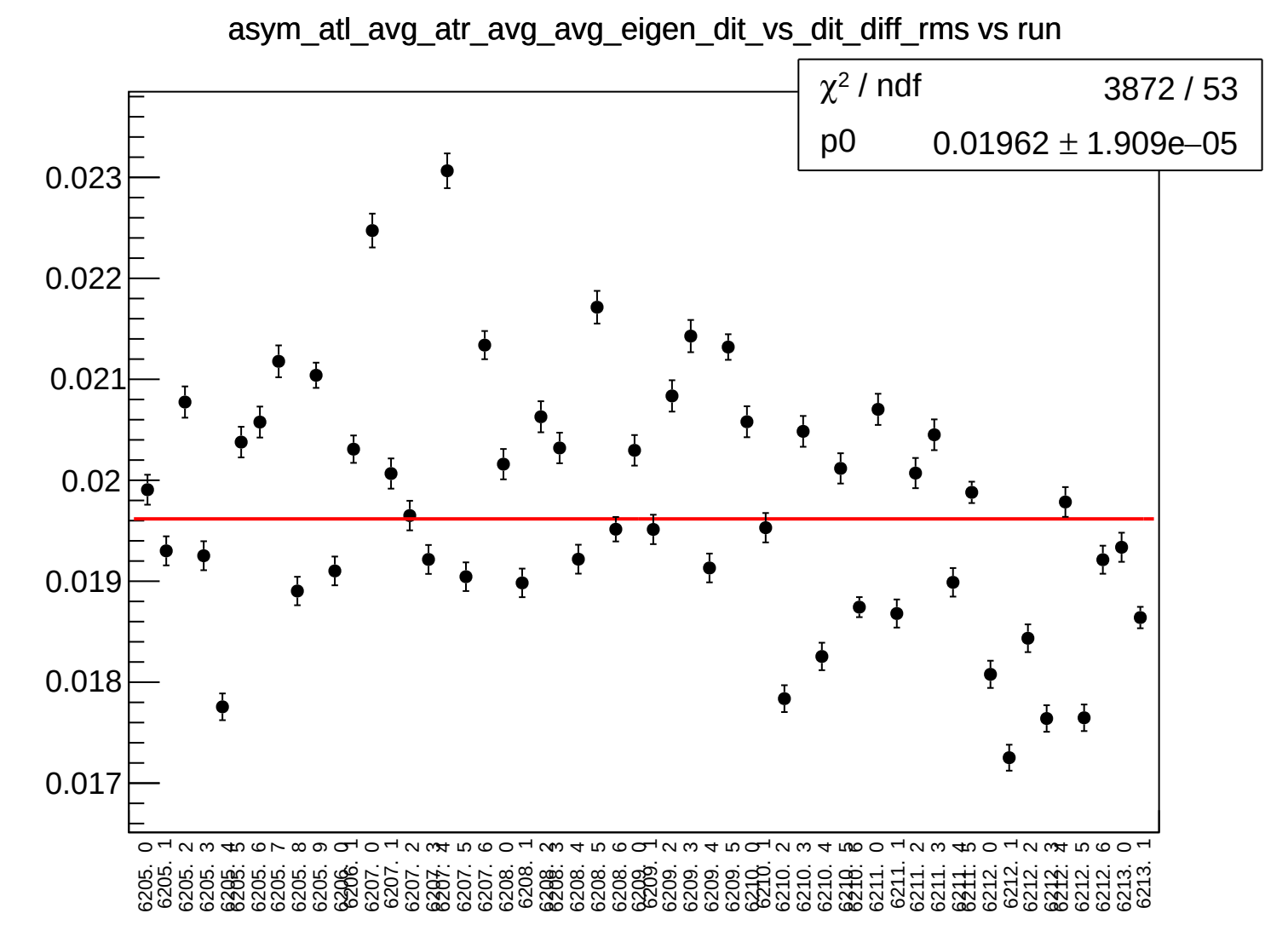

asym_atl_avg_atr_avg_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 58.19 / 53
p0 −0.5635 ± 0.2913
pull
Entries 54
Mean 26.83
Std Dev 15.6

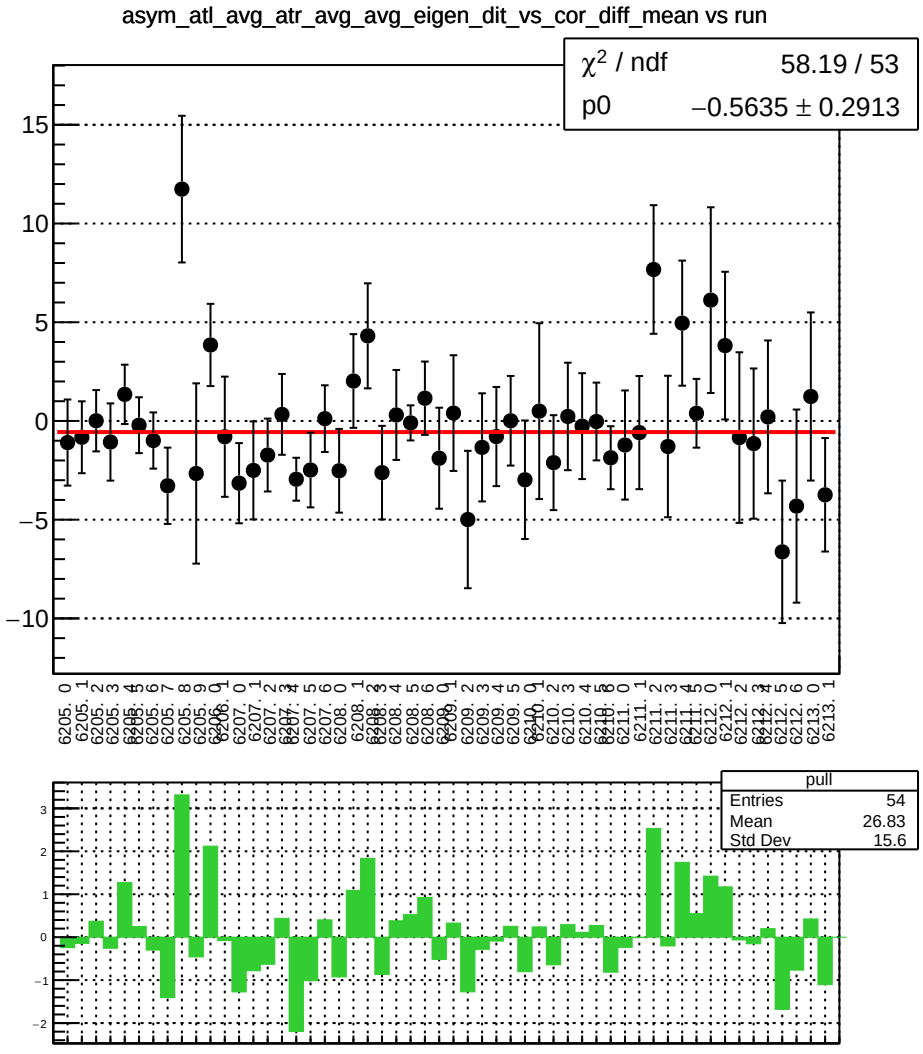

pull1D
Entries 54
Mean 0.05959
Std Dev 1.036

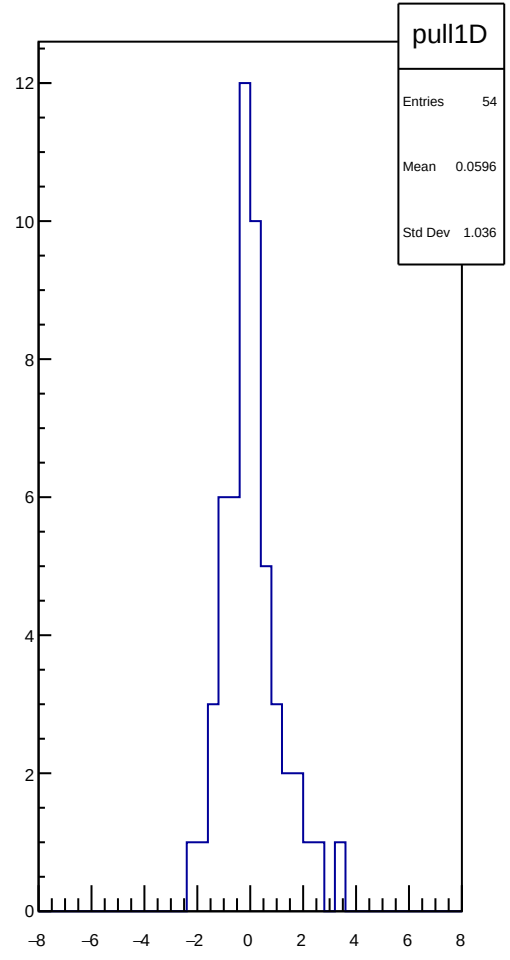

asym_atl_avg_atr_avg_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.526e+05 / 53
p0 196.2 ± 0.206
500
400
300
200
100
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

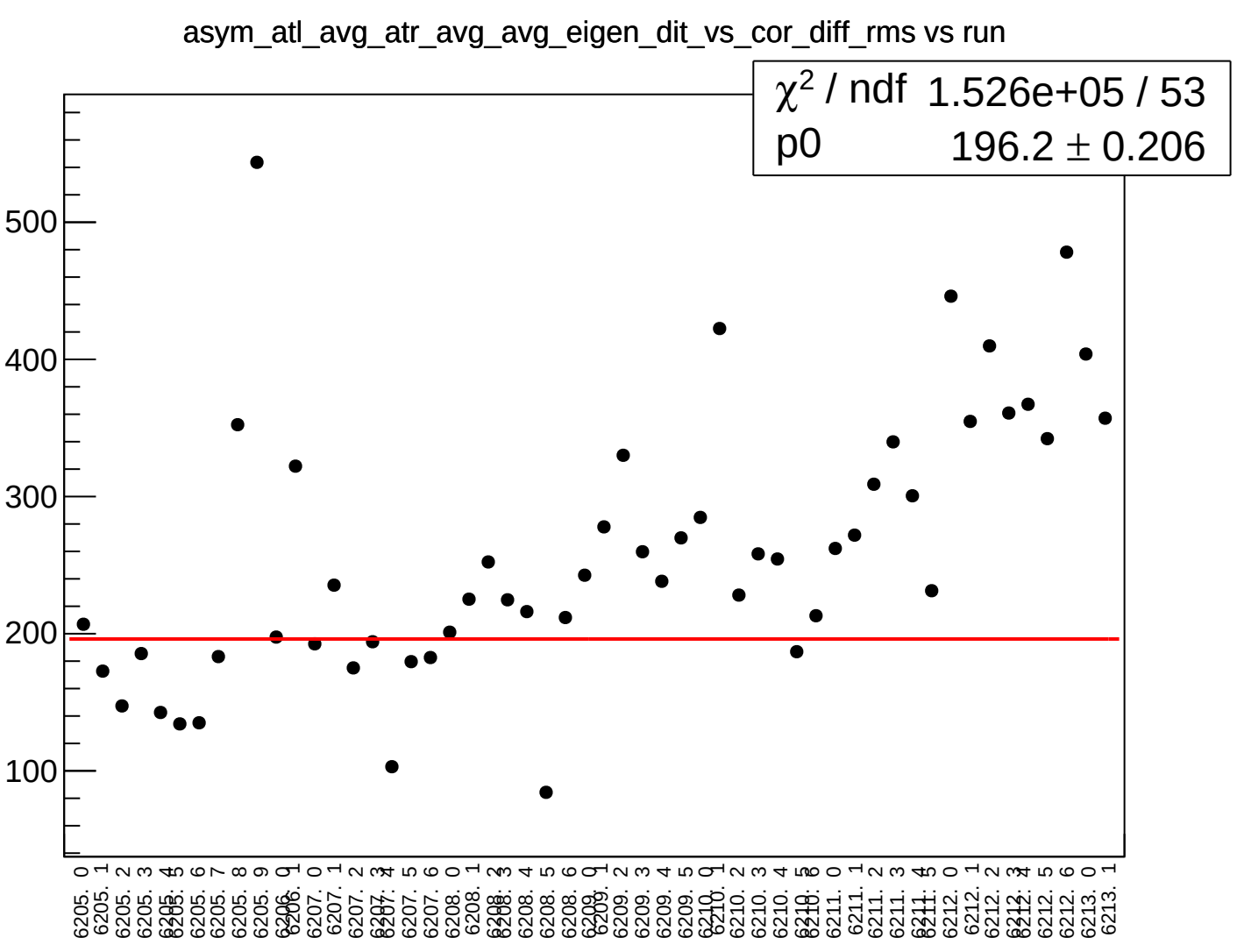

asym_atl_avg_atr_avg_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 41.66 / 53
p0 −1.11e−05 ± 2.7e−05
pull
Entries 54
Mean −7.754
Std Dev 0

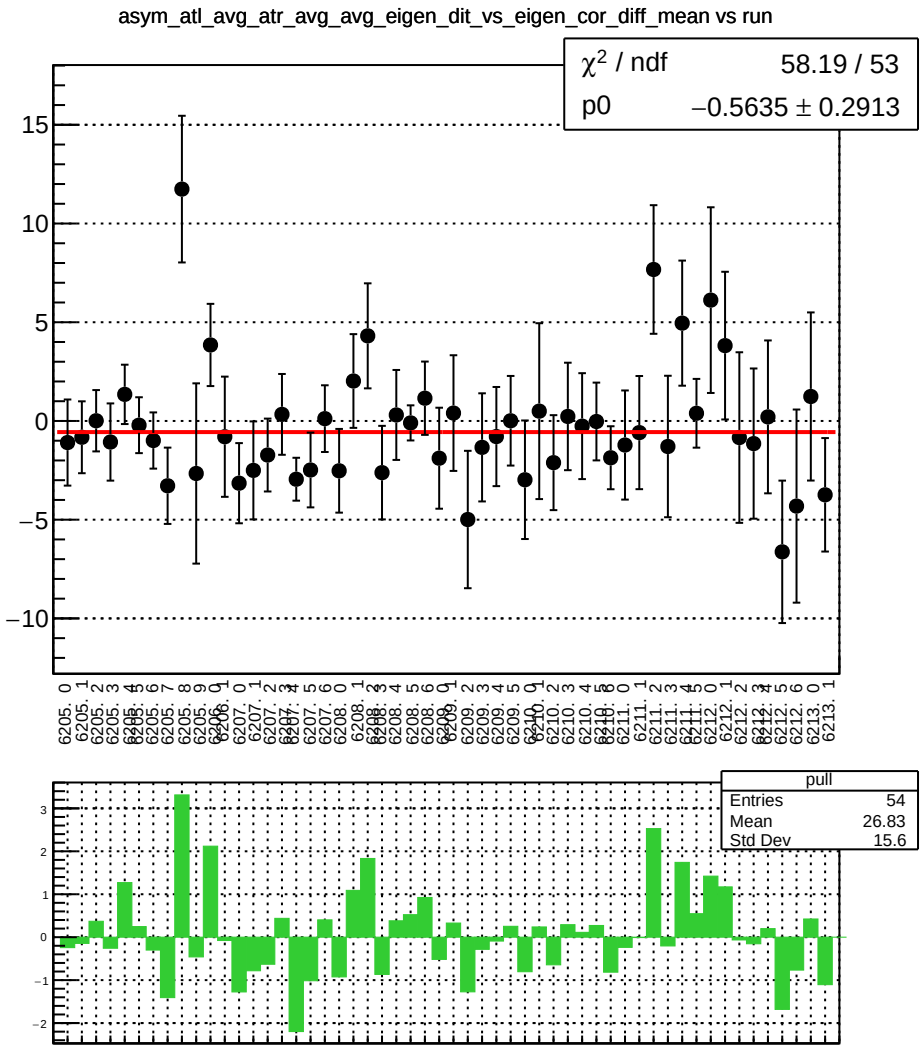

pull1D
Entries 54
Mean 0.01929
Std Dev 0.8781

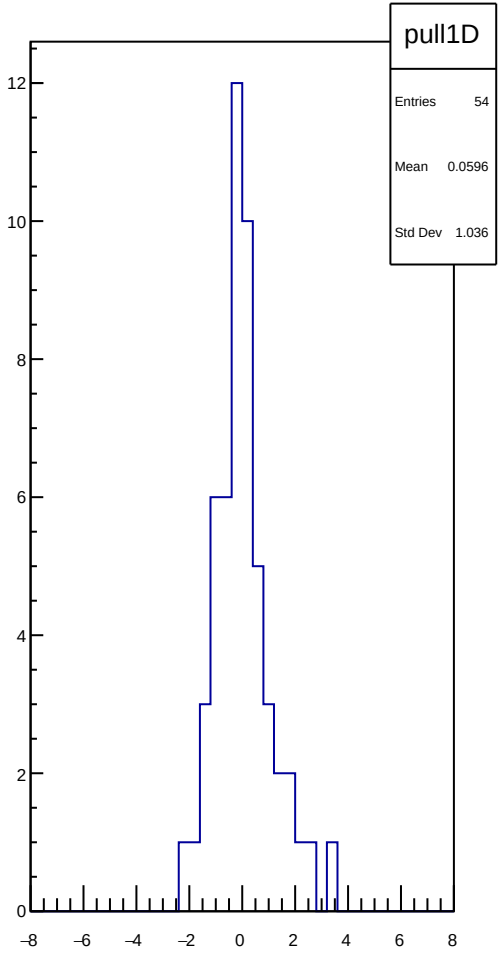

asym_atl_avg_atr_avg_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3872 / 53
p0 0.01962 ± 1.909e−05
0.023
0.022
0.021
0.02
0.019
0.018
0.017
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

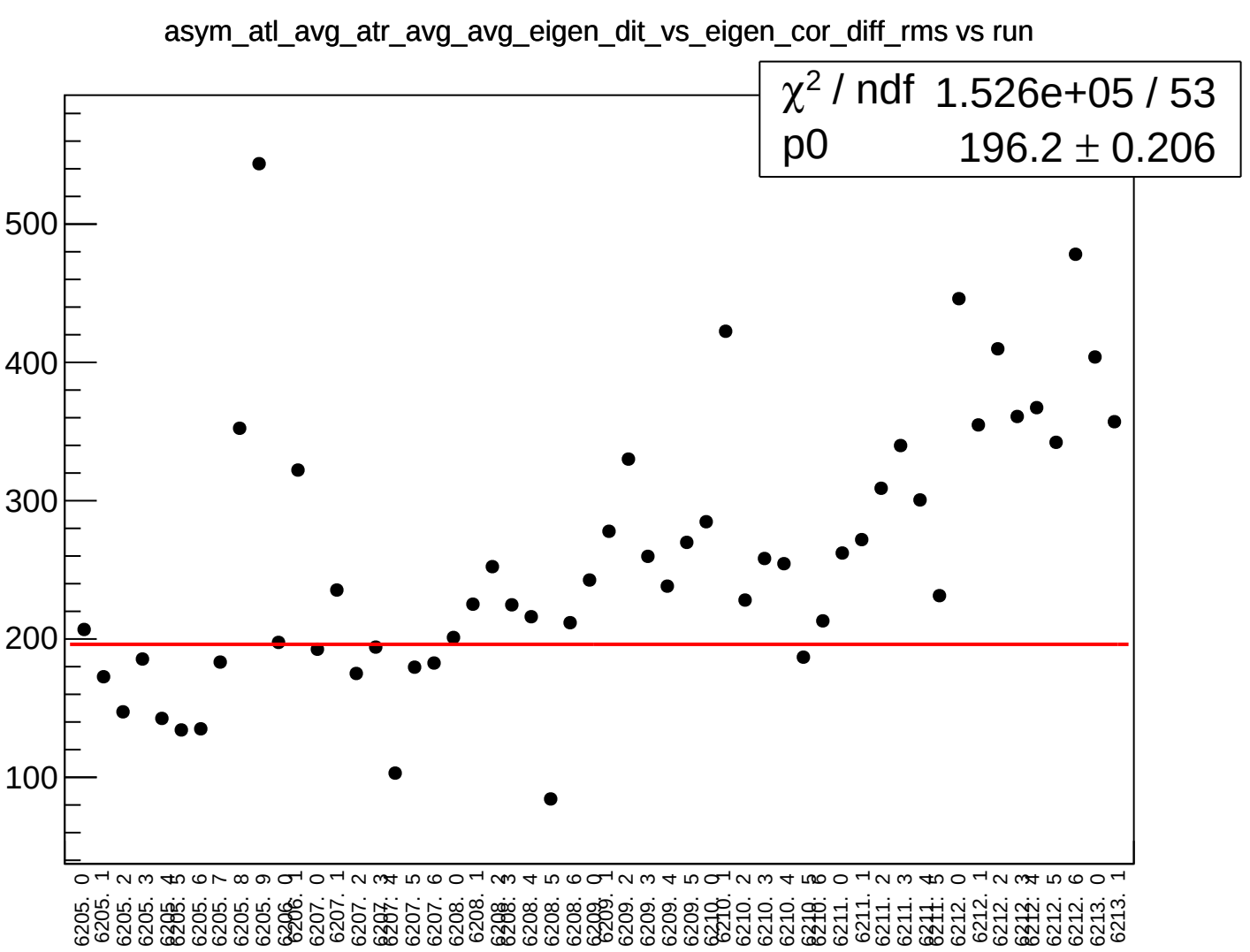

asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 58.19 / 53
p0 −0.5635 ± 0.2913
pull
Entries 54
Mean 26.83
Std Dev 15.6

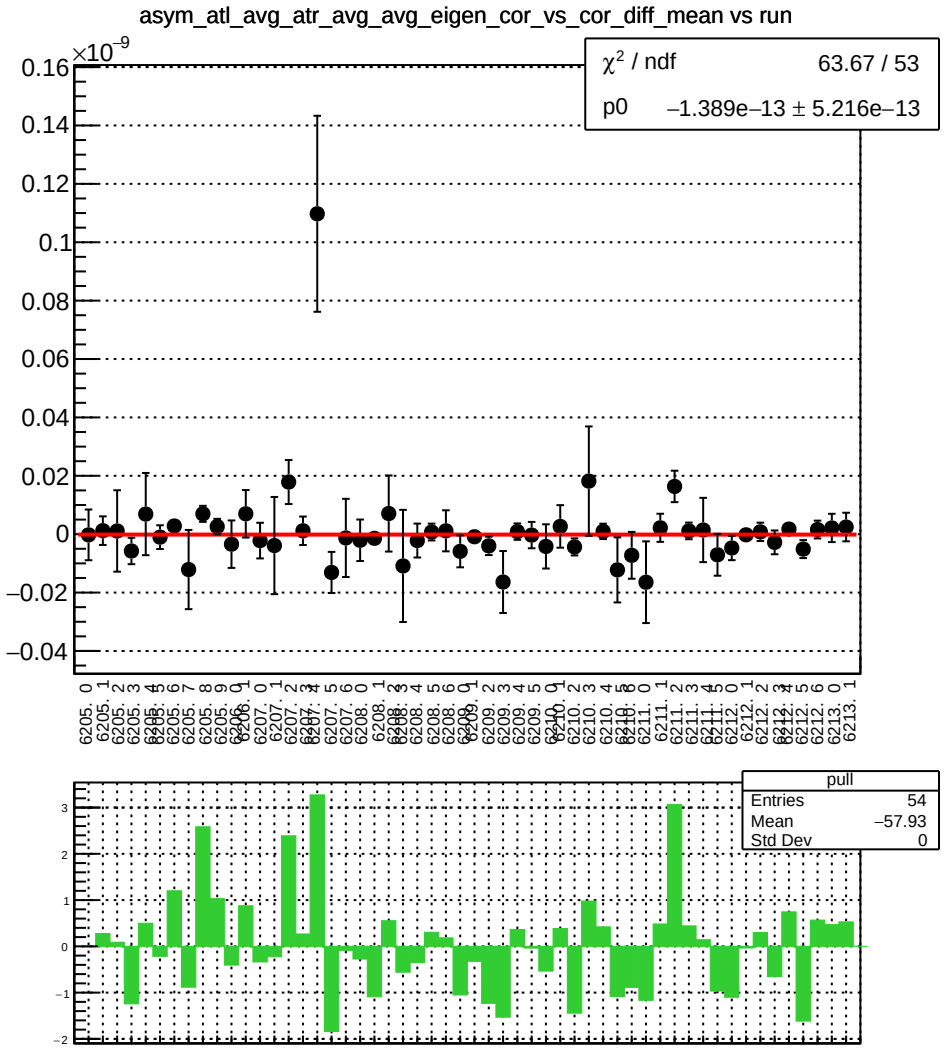

pull1D
Entries 54
Mean 0.0596
Std Dev 1.036

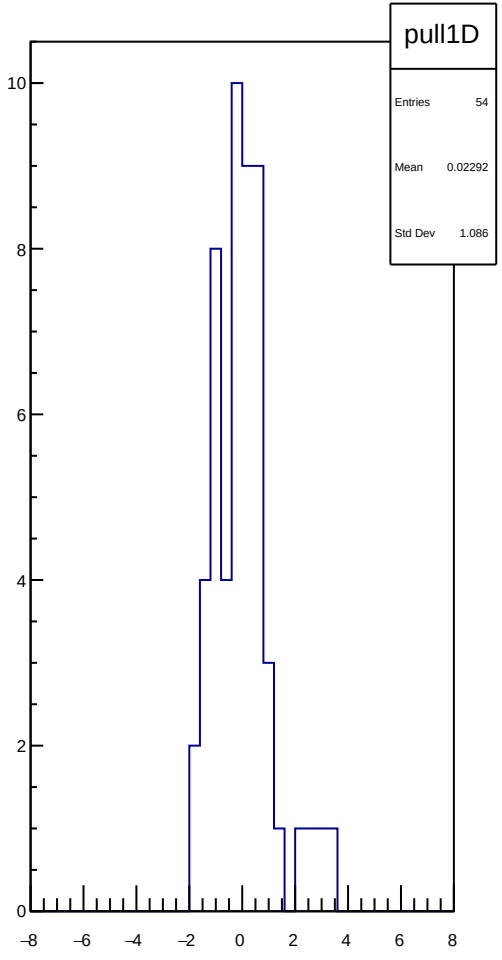

asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.526e+05 / 53
p0 196.2 ± 0.206
500
400
300
200
100
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

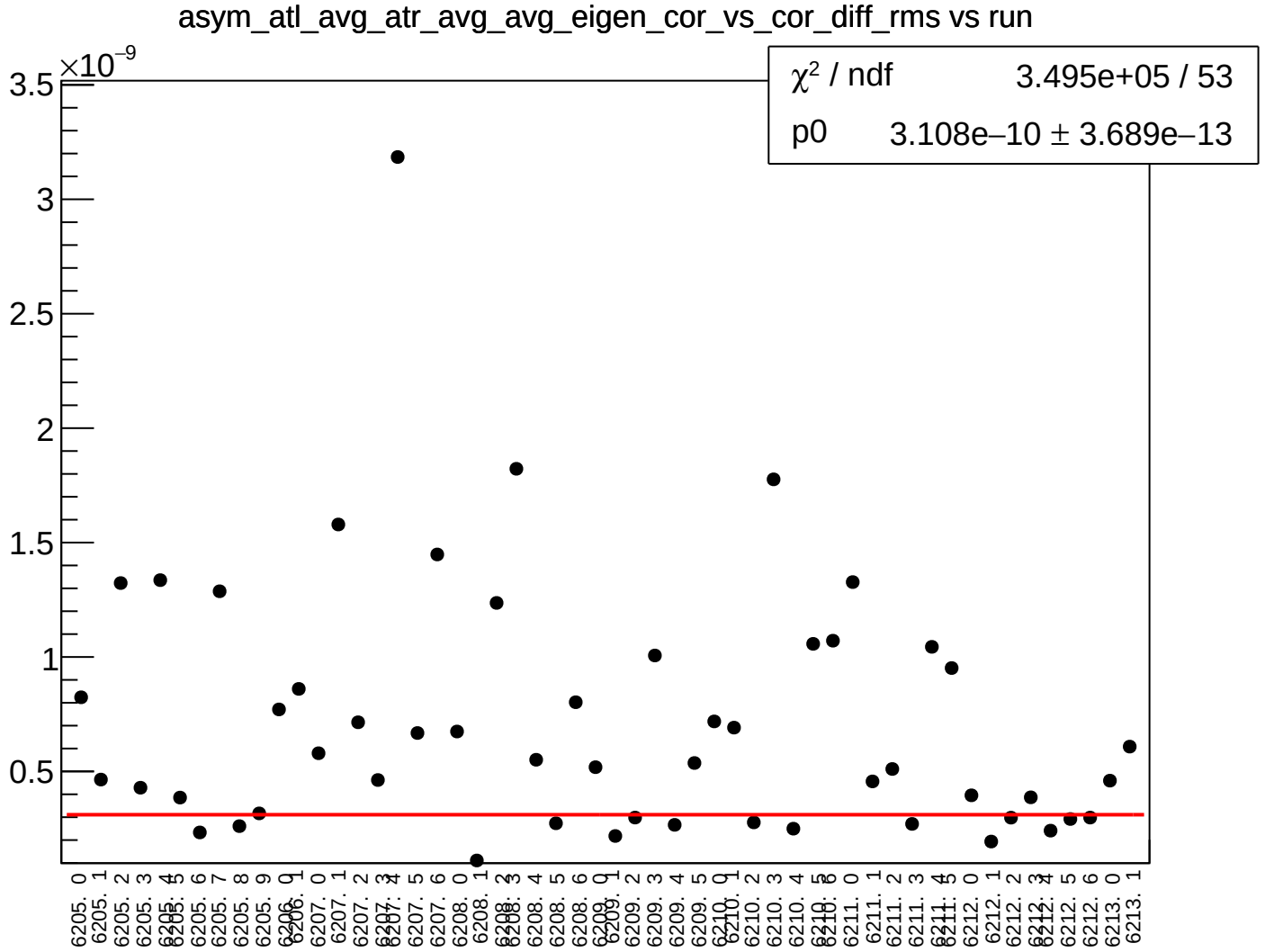

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 58.19 / 53
p0 −0.5635 ± 0.2913
pull
Entries 54
Mean 26.83
Std Dev 15.6

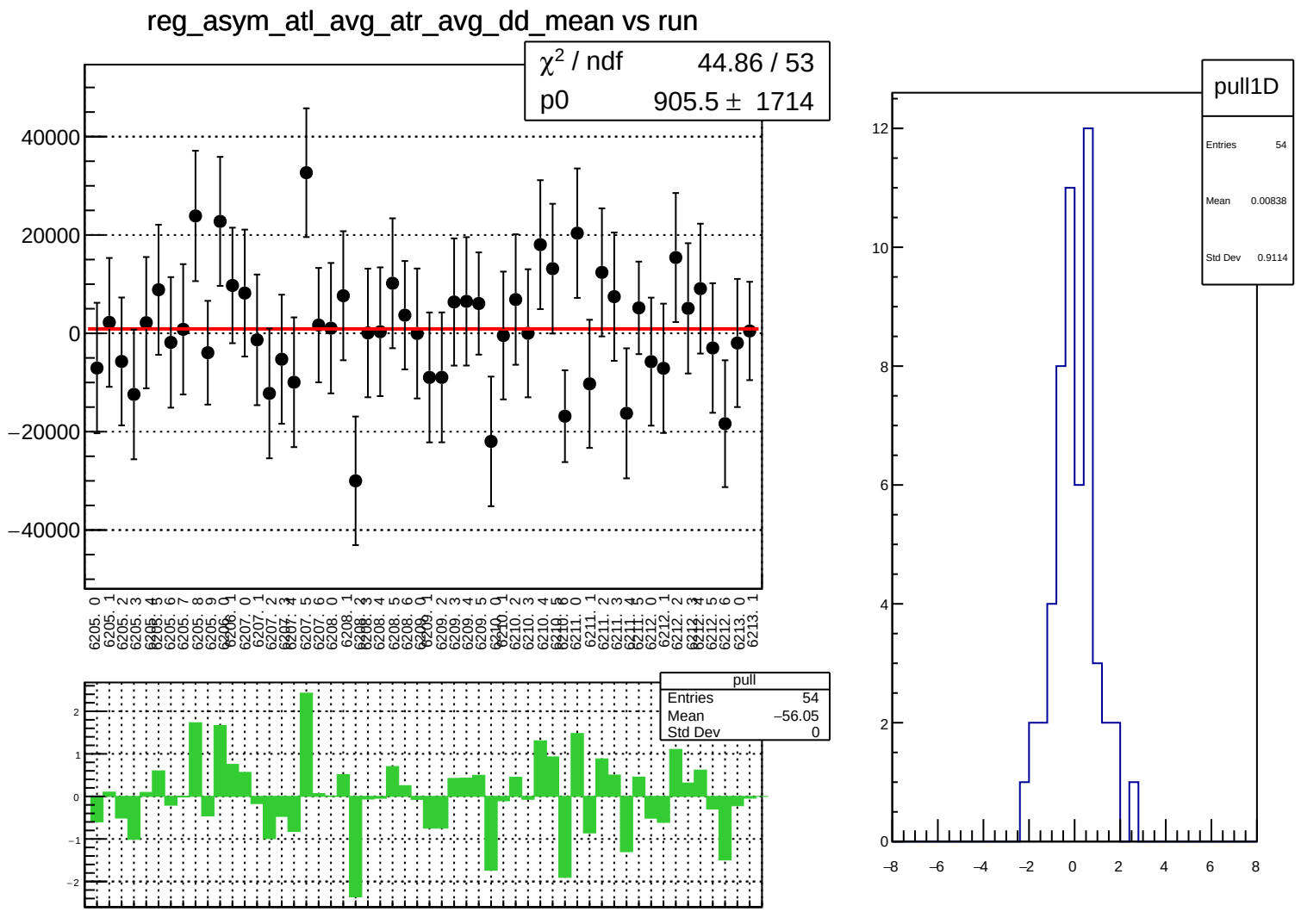

pull1D
Entries 54
Mean 0.0596
Std Dev 1.036

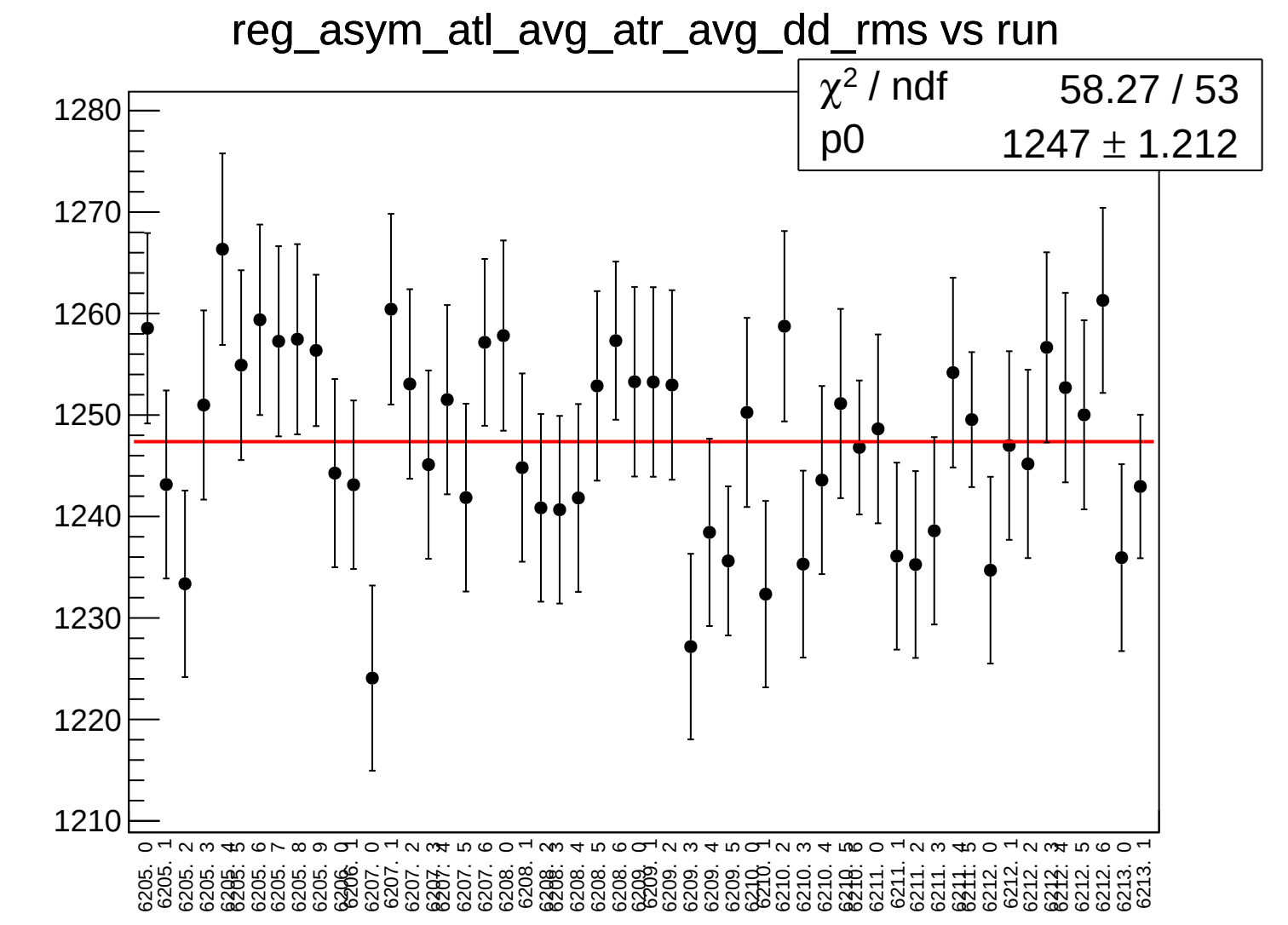

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.526e+05 / 53
p0 196.2 ± 0.206
500
400
300
200
100
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_atl_avg_atr_avg_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻⁹
χ² / ndf 63.67 / 53
p0 −1.389e−13 ± 5.216e−13
pull
Entries 54
Mean −57.93
Std Dev 0


pull1D
Entries 54
Mean 0.02292
Std Dev 1.086


asym_atl_avg_atr_avg_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.495e+05 / 53
p0 3.108e−10 ± 3.689e−13
3.5
3
2.5
2
1.5
1
0.5
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


reg_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 44.86 / 53
p0 905.5 ± 1714
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −56.05
Std Dev 0
pull1D
Entries 54
Mean 0.00838
Std Dev 0.9114


reg_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 58.27 / 53
p0 1247 ± 1.212
1280
1270
1260
1250
1240
1230
1220
1210
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
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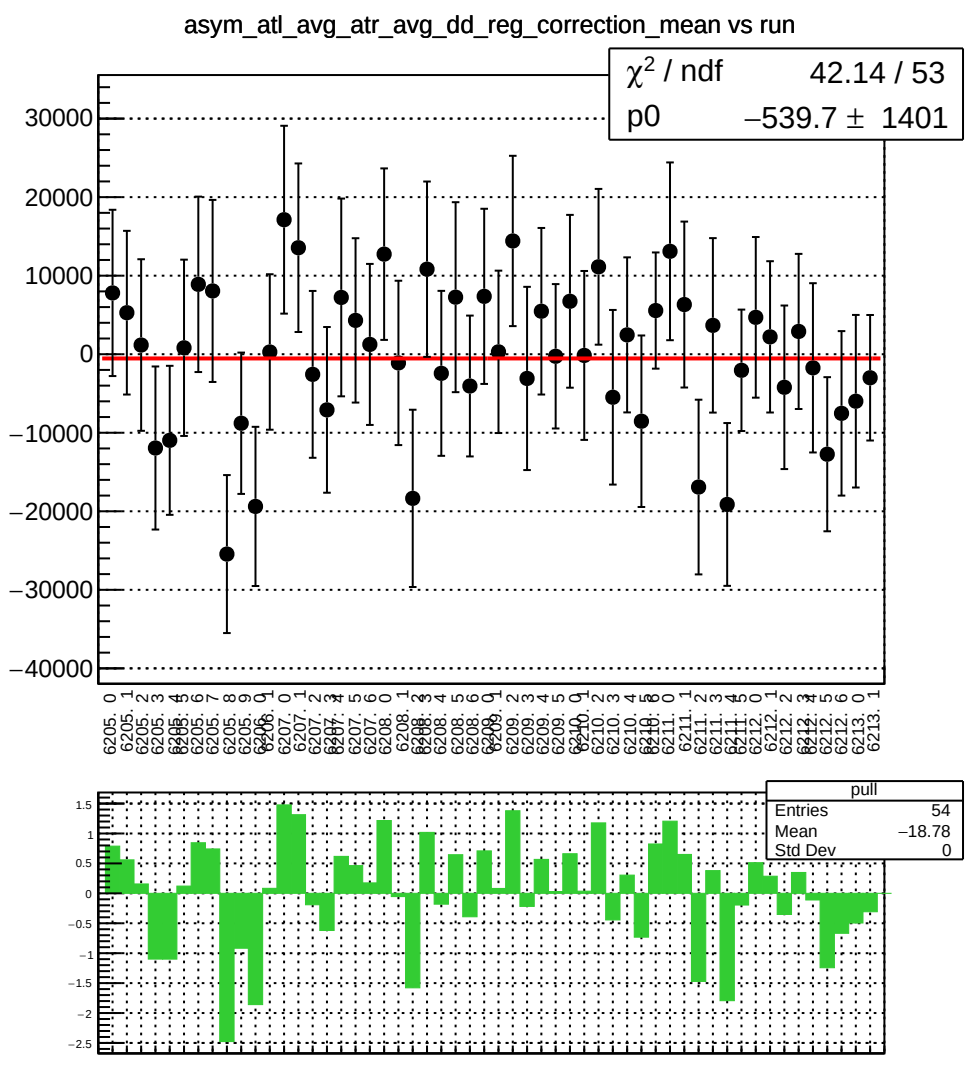
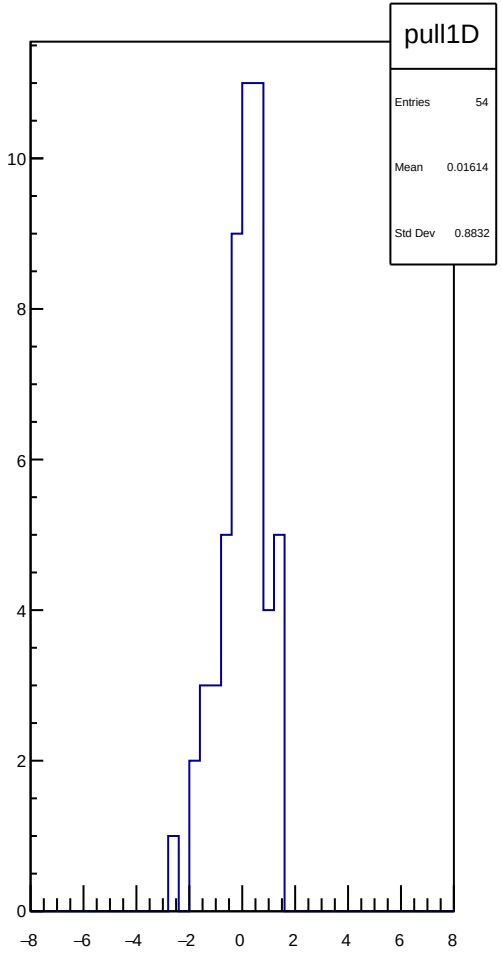
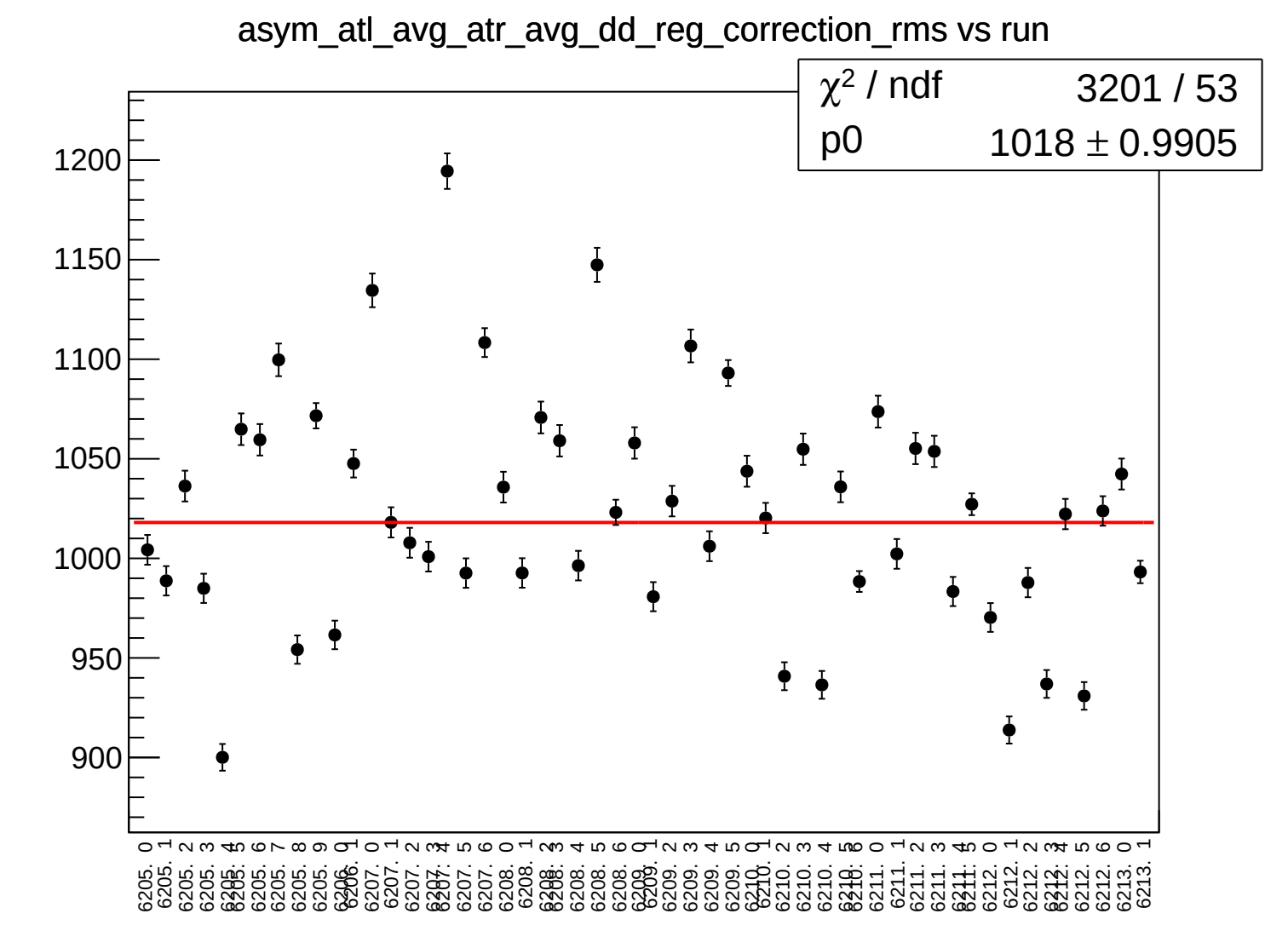
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_atl_avg_atr_avg_dd_reg_correction_mean vs run
χ² / ndf 42.14 / 53
p0 −539.7 ± 1401
pull
Entries 54
Mean −18.78
Std Dev 0


pull1D
Entries 54
Mean 0.01614
Std Dev 0.8832


asym_atl_avg_atr_avg_dd_reg_correction_rms vs run
χ² / ndf 3201 / 53
p0 1018 ± 0.9905
1200
1150
1100
1050
1000
950
900
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
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6212. 2
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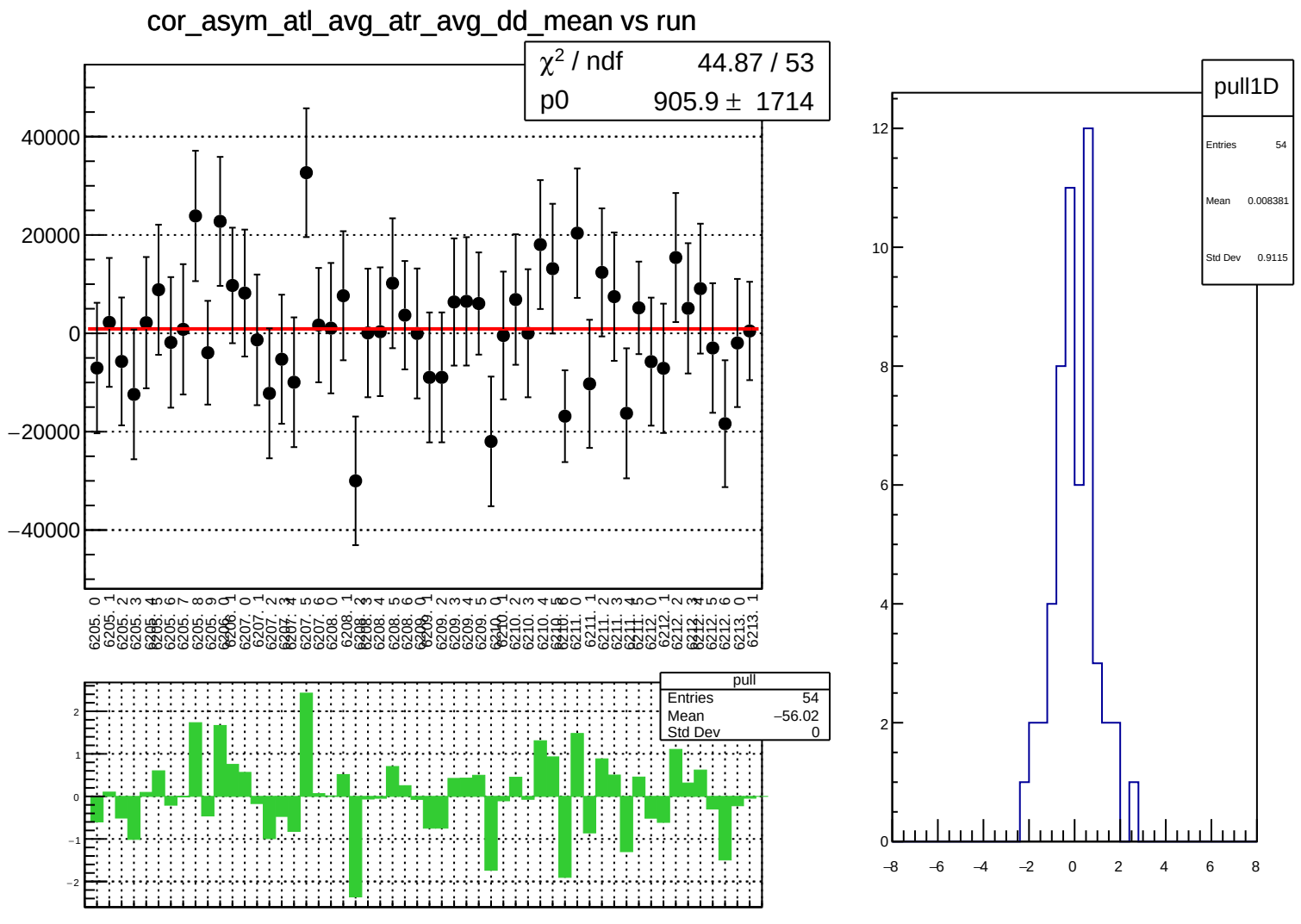
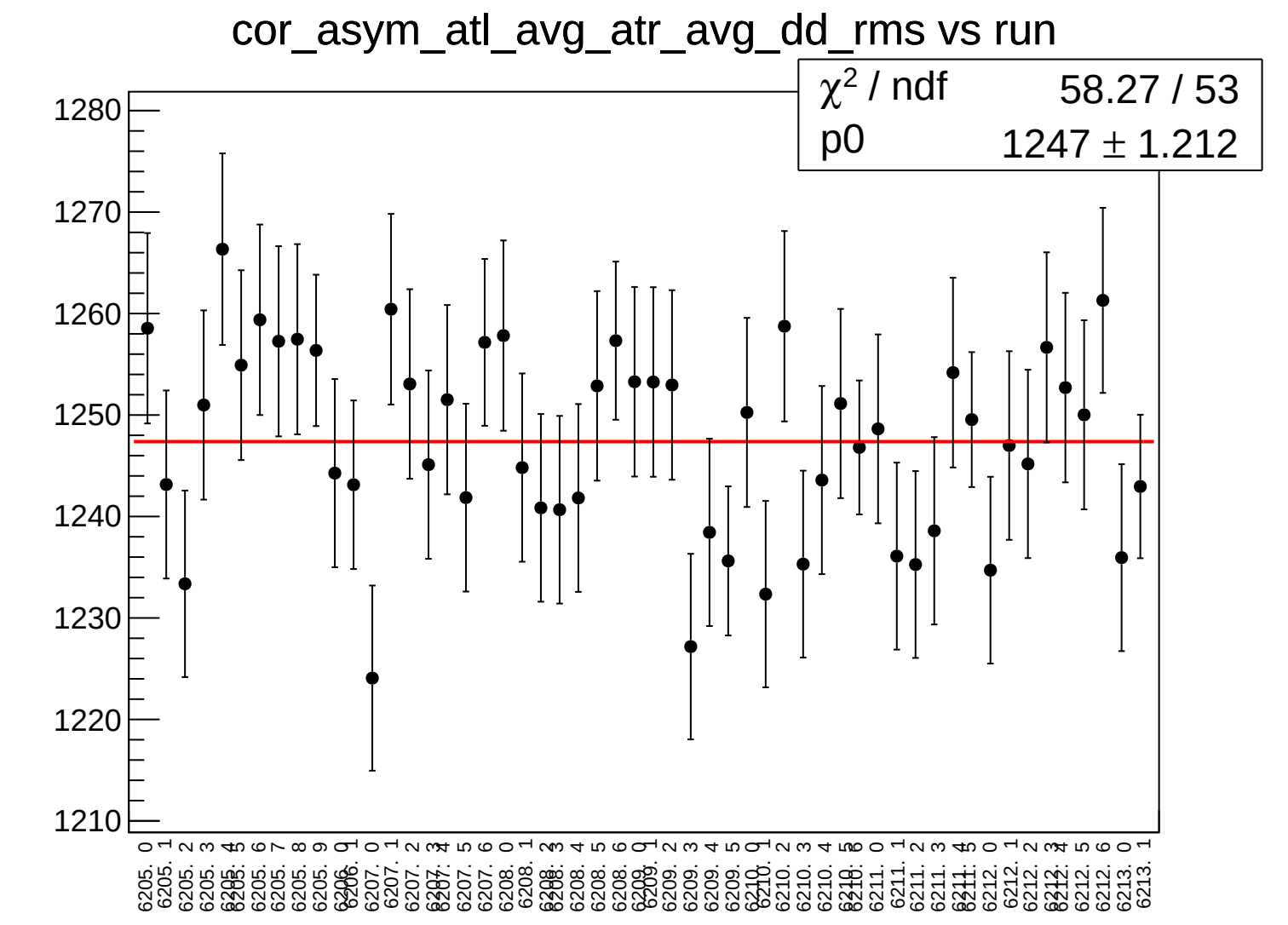
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


cor_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 44.87 / 53
p0 905.9 ± 1714
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −56.02
Std Dev 0
pull1D
Entries 54
Mean 0.008381
Std Dev 0.9115


cor_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 58.27 / 53
p0 1247 ± 1.212
1280
1270
1260
1250
1240
1230
1220
1210
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
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6212. 1
6212. 2
6212. 3
6212. 4
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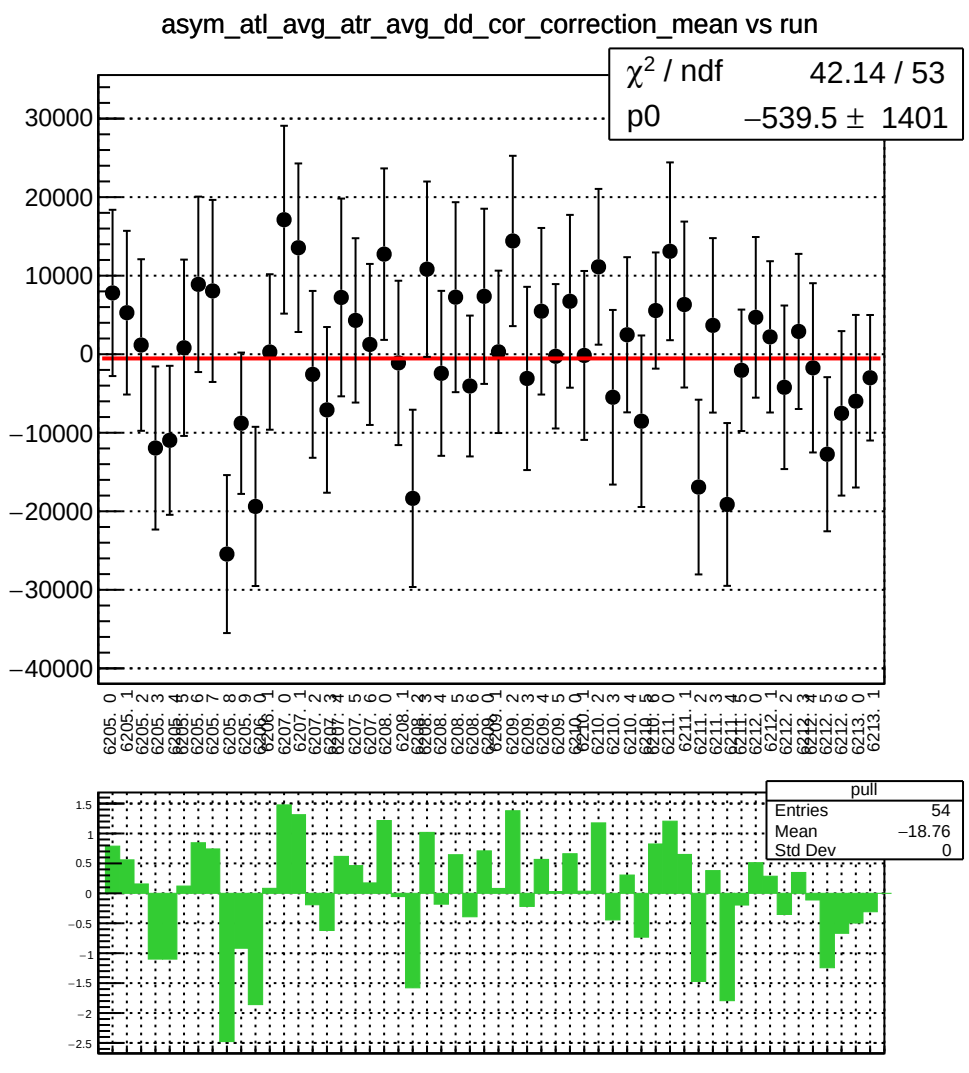
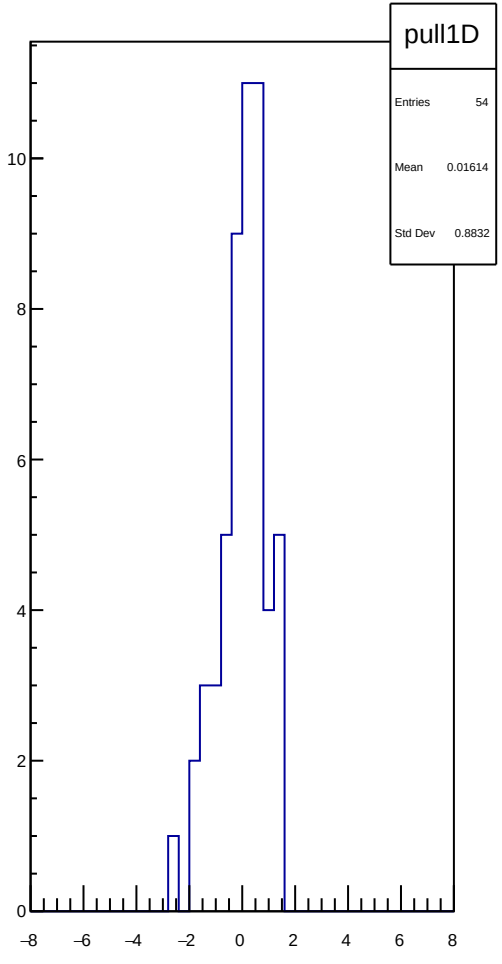
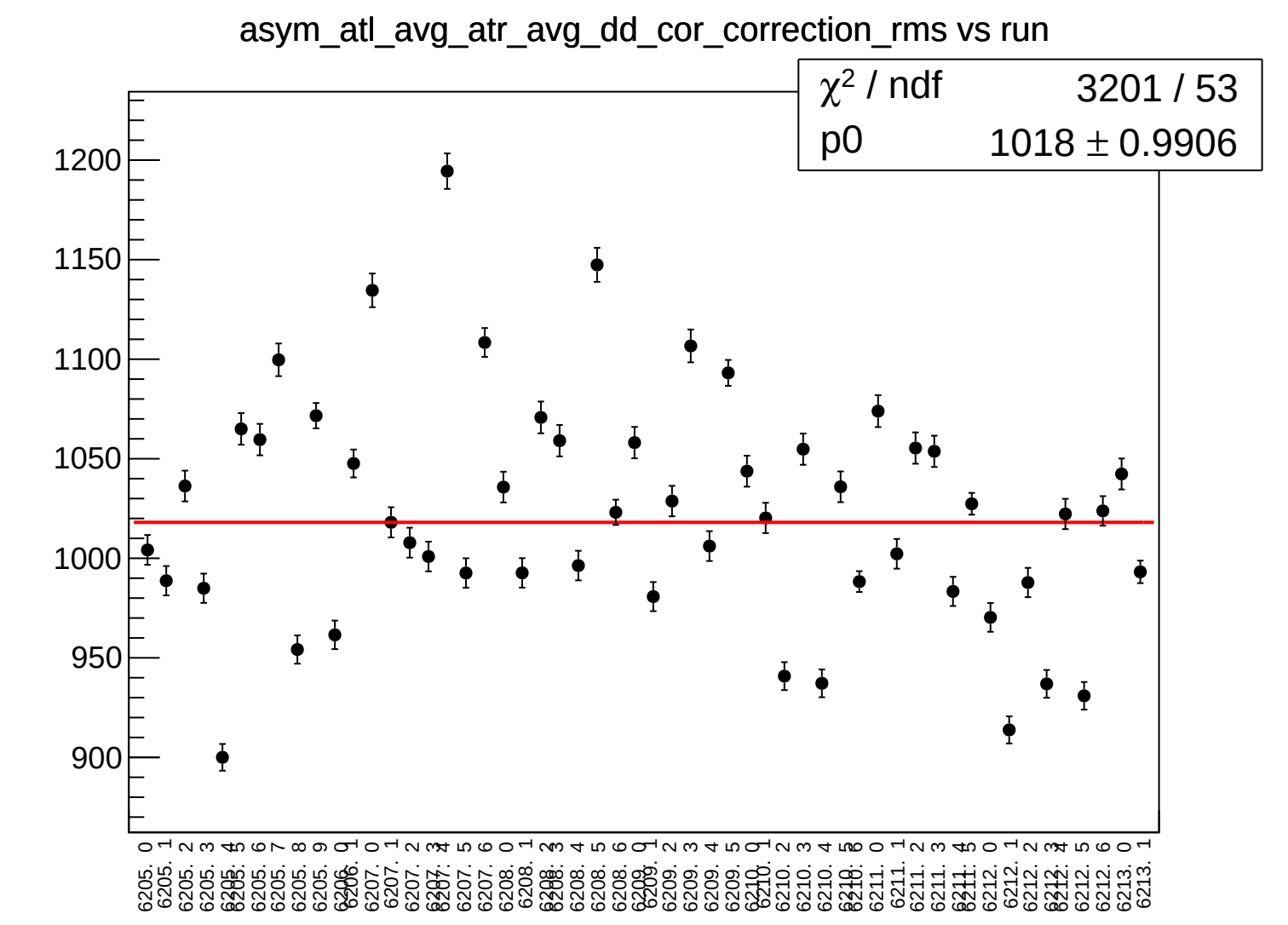
6212. 6
6213. 0
6213. 1


asym_atl_avg_atr_avg_dd_cor_correction_mean vs run
χ² / ndf 42.14 / 53
p0 −539.5 ± 1401
pull
Entries 54
Mean −18.76
Std Dev 0


pull1D
Entries 54
Mean 0.01614
Std Dev 0.8832


asym_atl_avg_atr_avg_dd_cor_correction_rms vs run
χ² / ndf 3201 / 53
p0 1018 ± 0.9906
1200
1150
1100
1050
1000
950
900
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
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6209. 2
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6210. 0
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6210. 2
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6211. 0
6211. 1
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6212. 4
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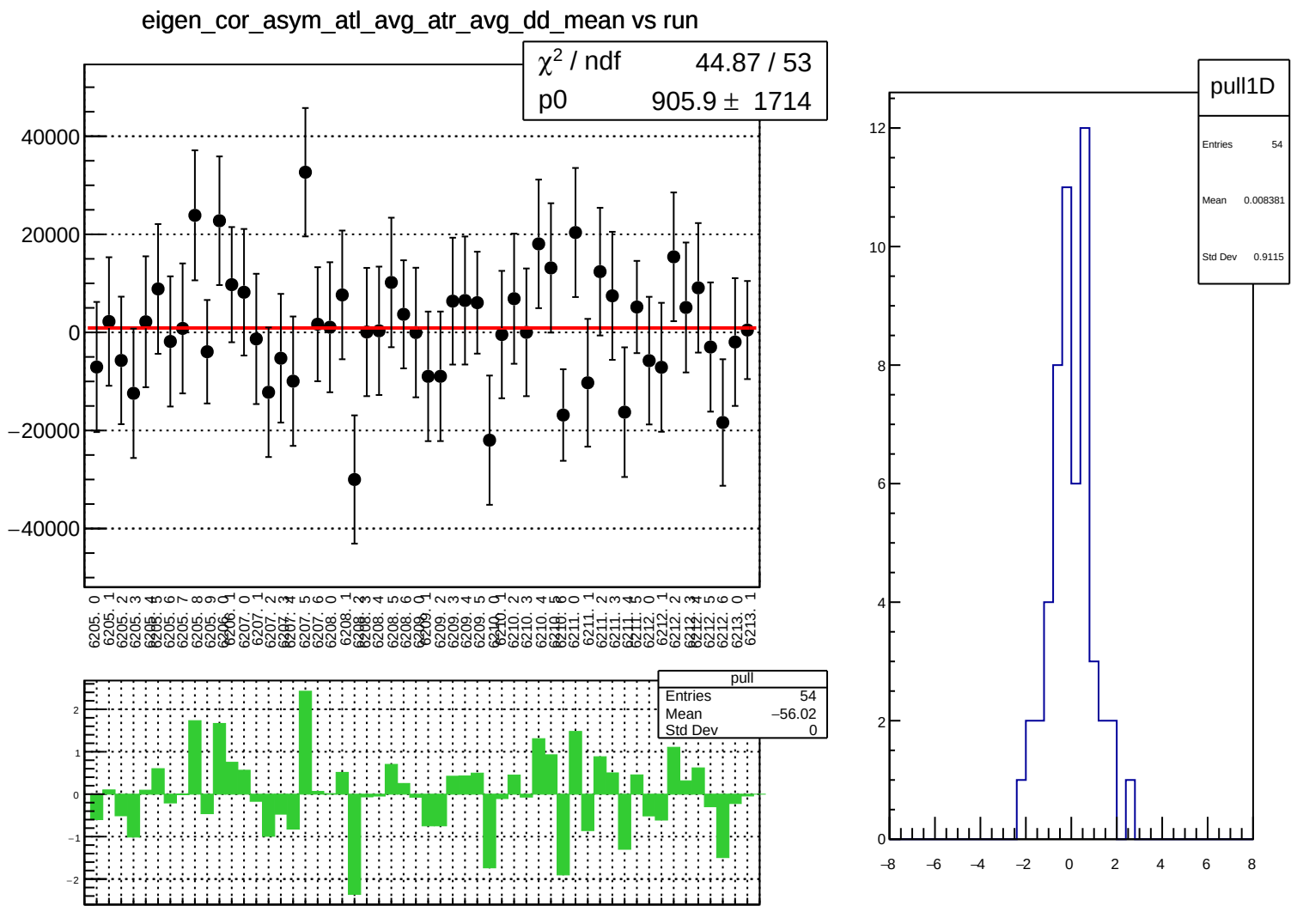
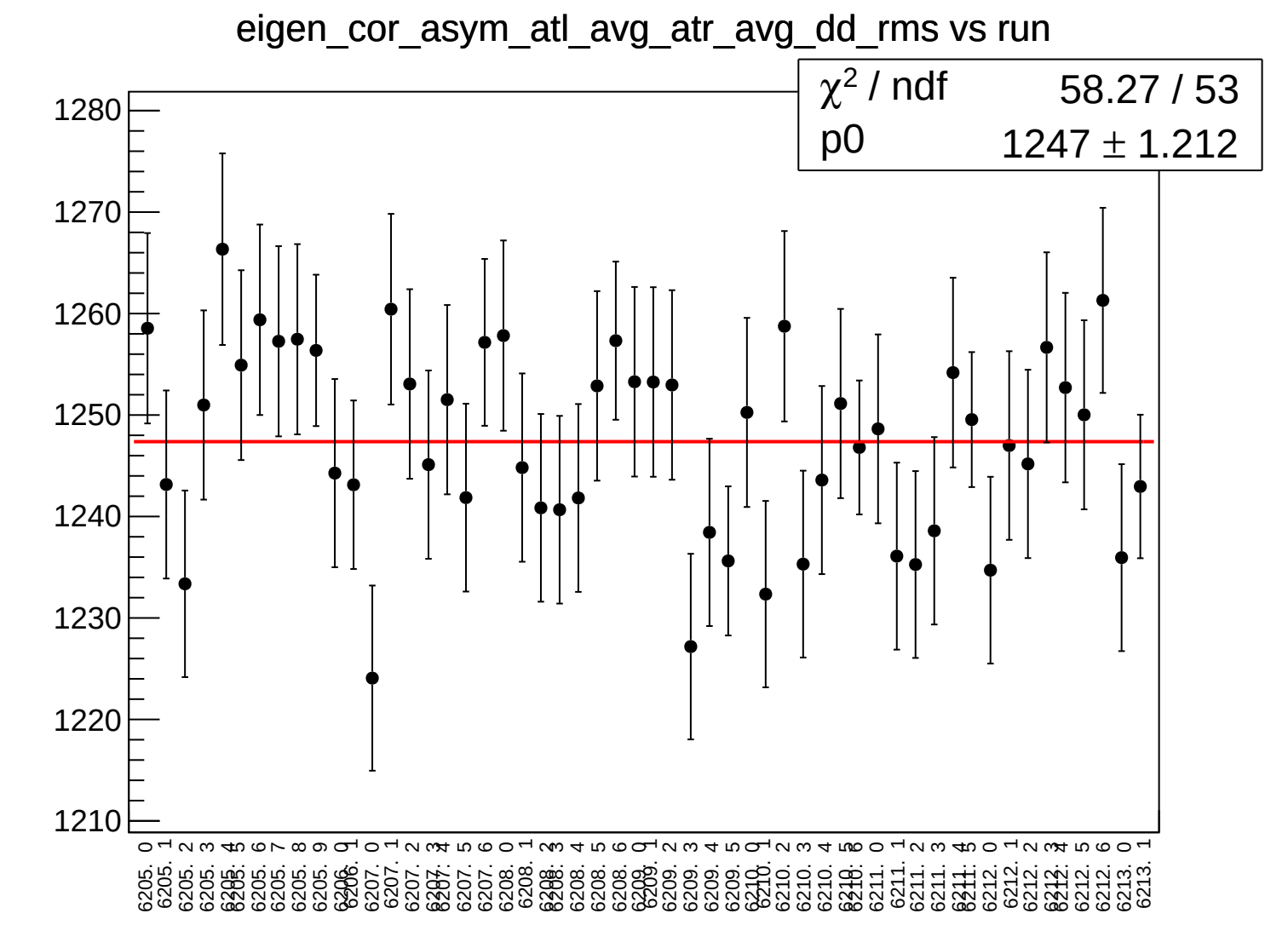
6213. 0
6213. 1


eigen_cor_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 44.87 / 53
p0 905.9 ± 1714
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −56.02
Std Dev 0
pull1D
Entries 54
Mean 0.008381
Std Dev 0.9115


eigen_cor_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 58.27 / 53
p0 1247 ± 1.212
1280
1270
1260
1250
1240
1230
1220
1210
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
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6207. 2
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6207. 4
6207. 5
6207. 6
6208. 0
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6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
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6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
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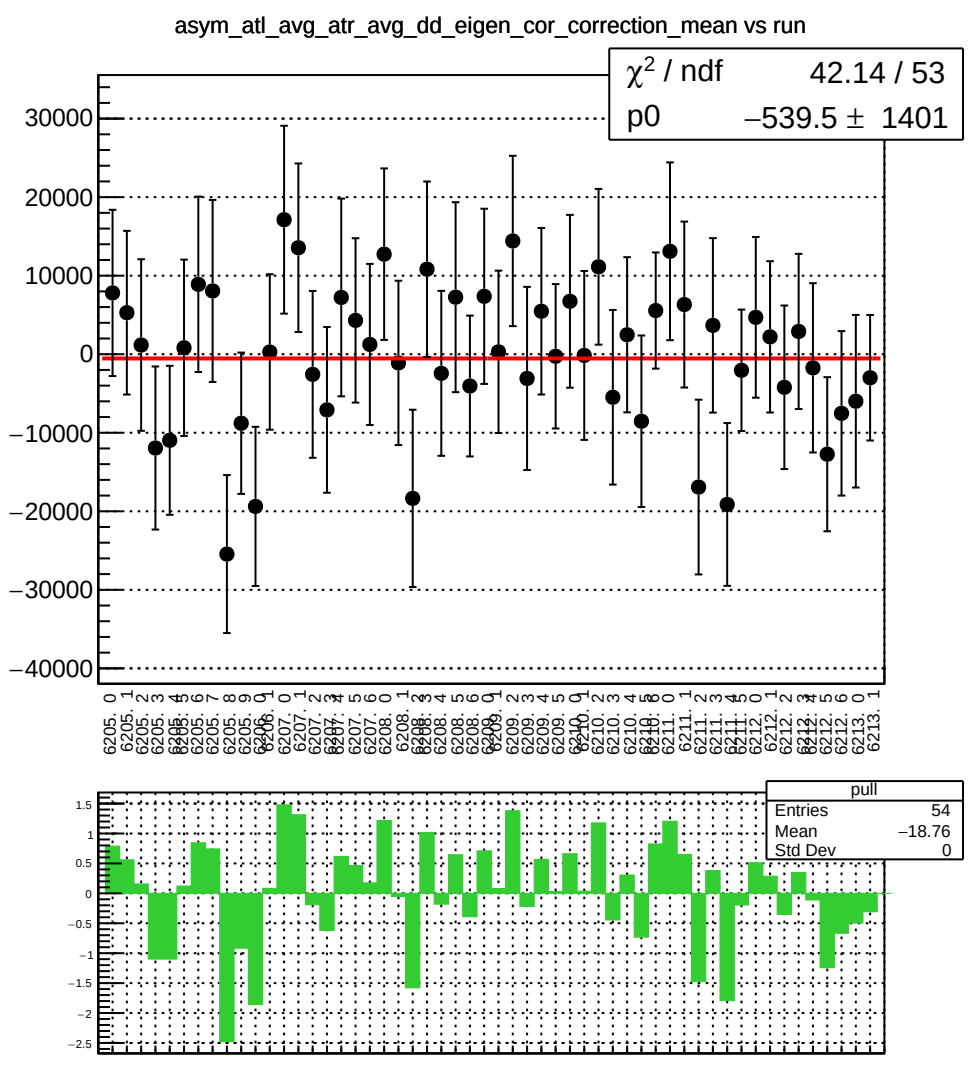
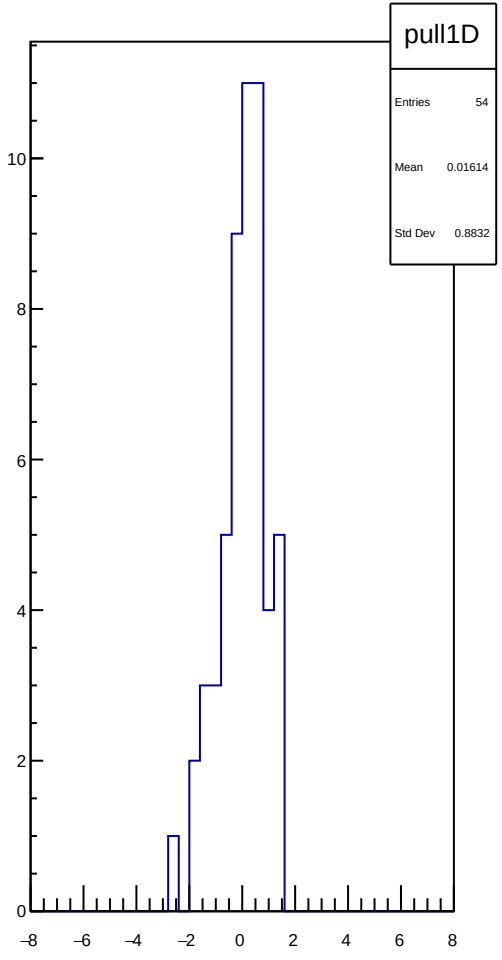
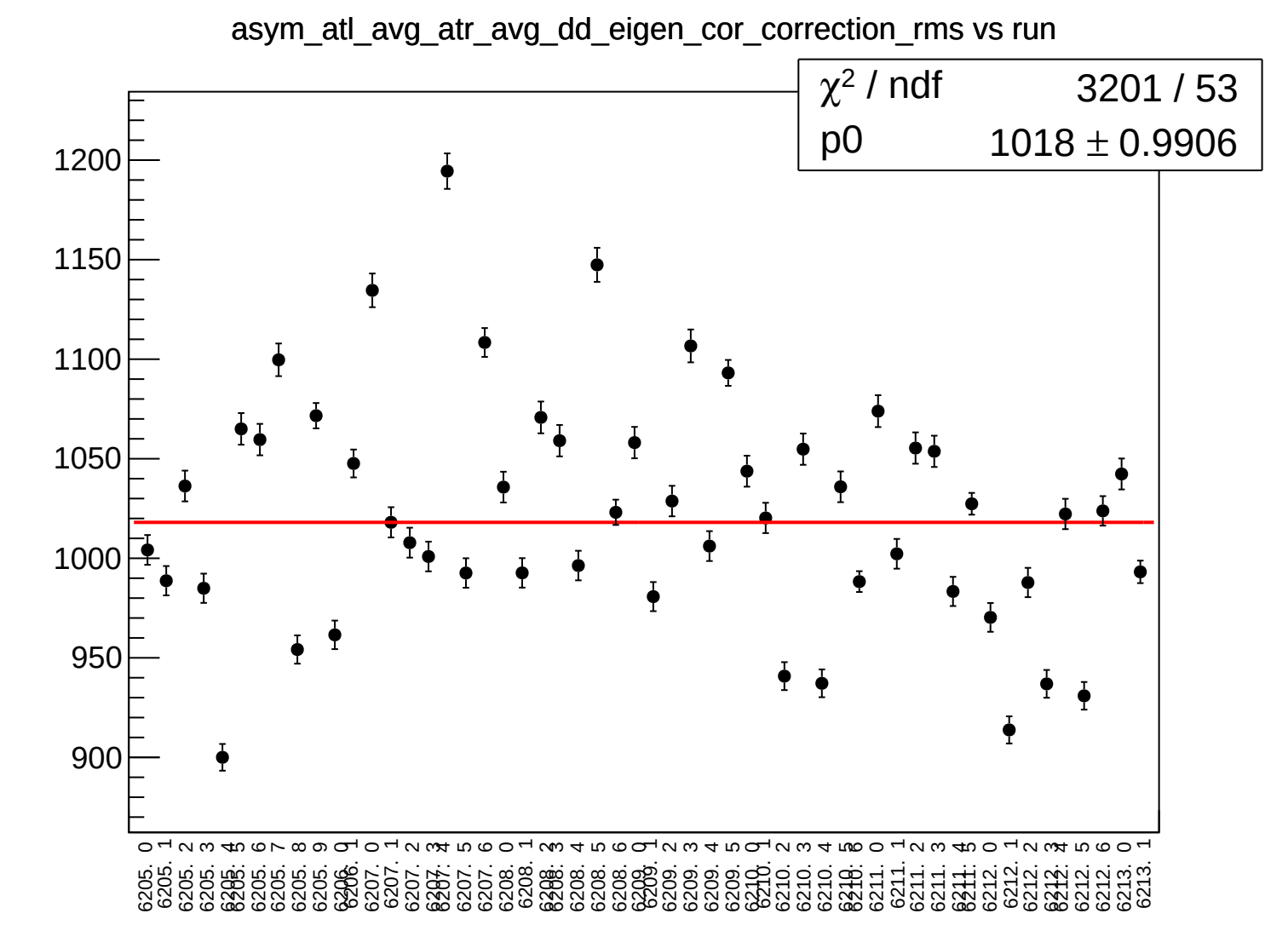
6213. 0
6213. 1


asym_atl_avg_atr_avg_dd_eigen_cor_correction_mean vs run
χ² / ndf 42.14 / 53
p0 −539.5 ± 1401
pull
Entries 54
Mean −18.76
Std Dev 0


pull1D
Entries 54
Mean 0.01614
Std Dev 0.8832


asym_atl_avg_atr_avg_dd_eigen_cor_correction_rms vs run
χ² / ndf 3201 / 53
p0 1018 ± 0.9906
1200
1150
1100
1050
1000
950
900
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
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6207. 2
6207. 3
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6207. 5
6207. 6
6208. 0
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6208. 2
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6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
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6210. 4
6210. 5
6210. 6
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6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
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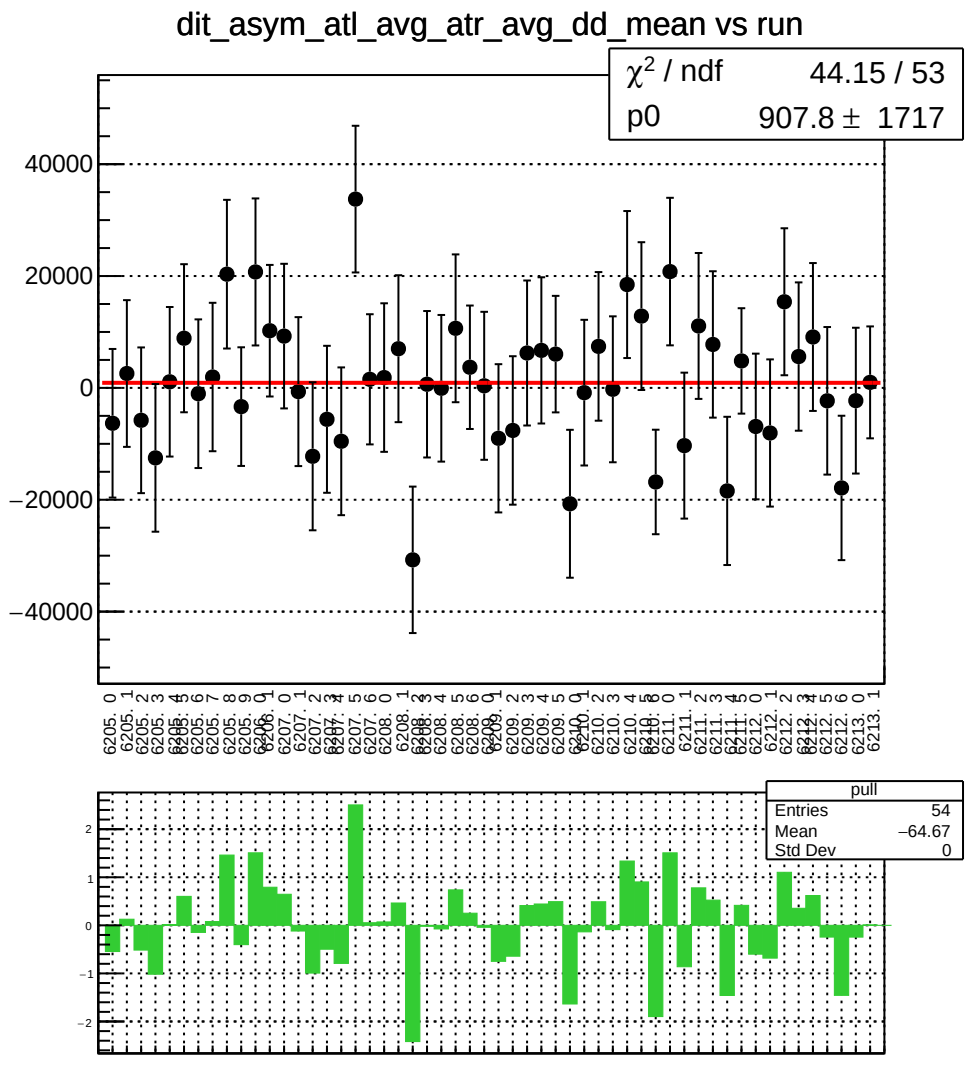
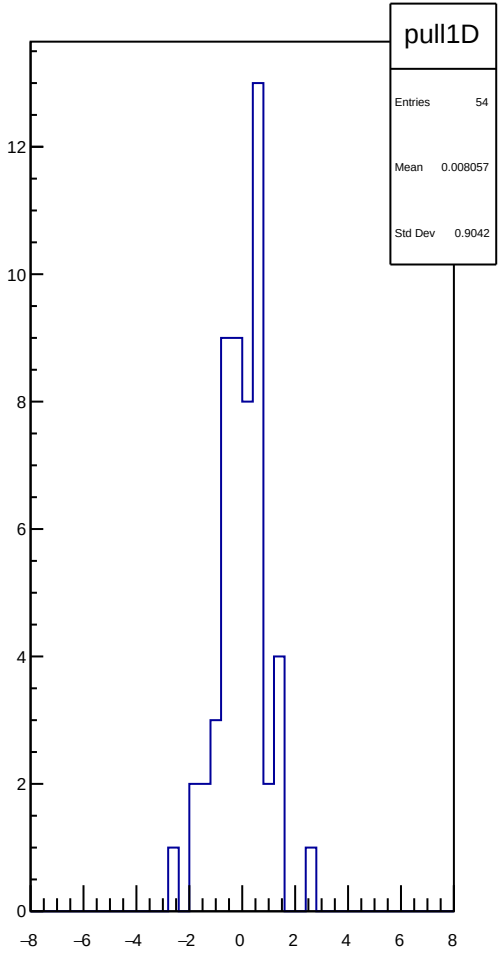
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


dit_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 44.15 / 53
p0 907.8 ± 1717
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −64.67
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 54
Mean 0.008057
Std Dev 0.9042
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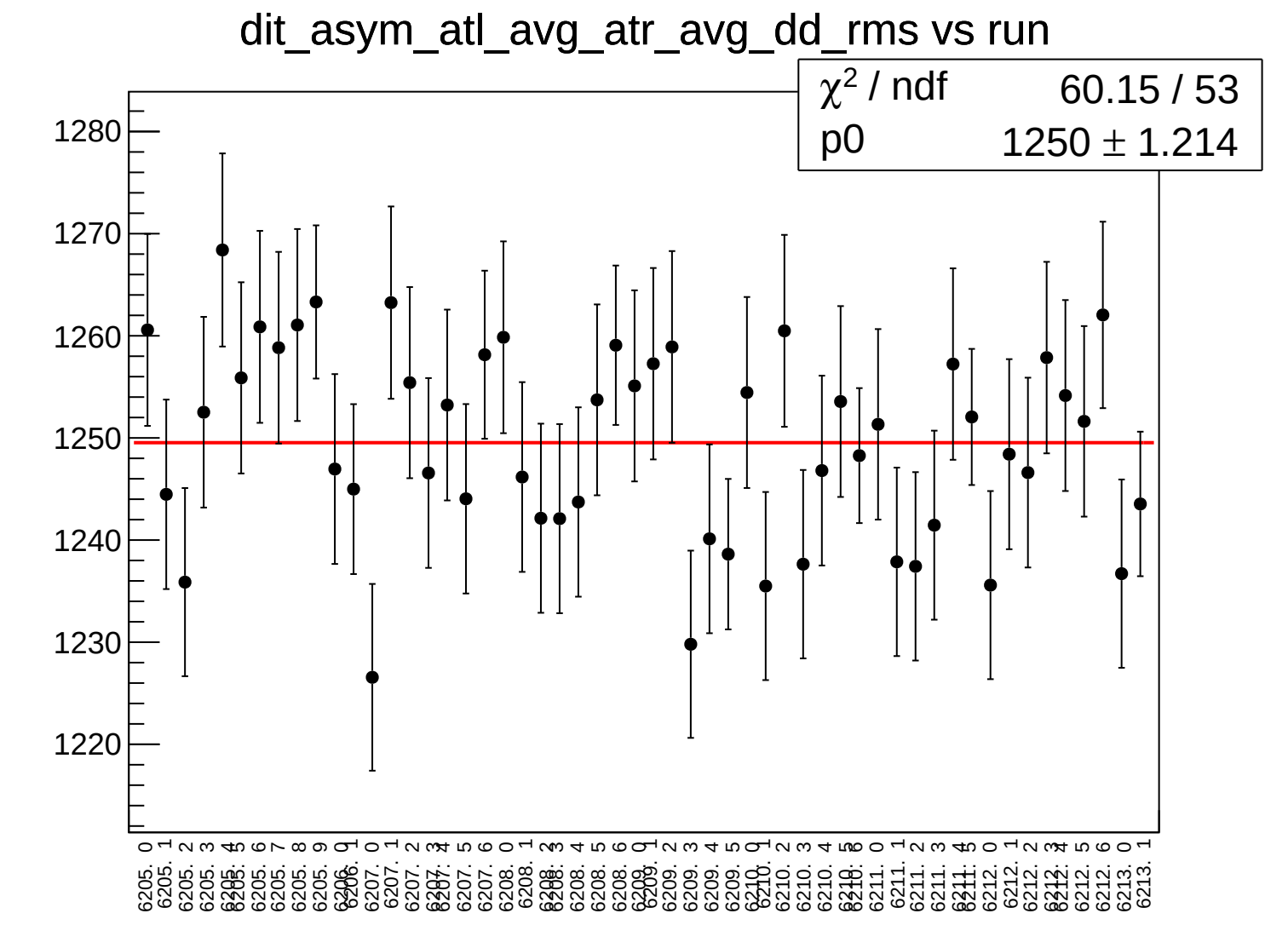
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 60.15 / 53
p0 1250 ± 1.214
1280
1270
1260
1250
1240
1230
1220
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
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6209. 2
6209. 3
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6209. 5
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6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
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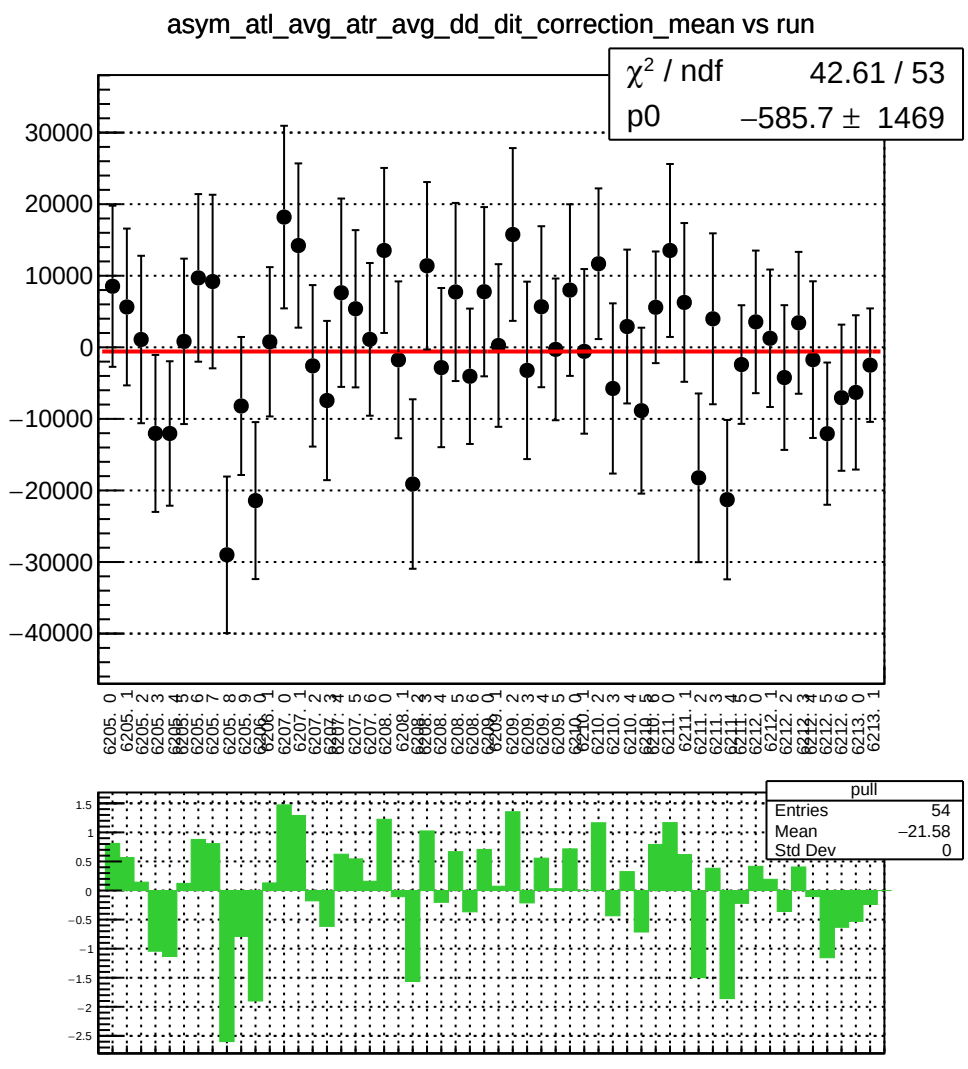
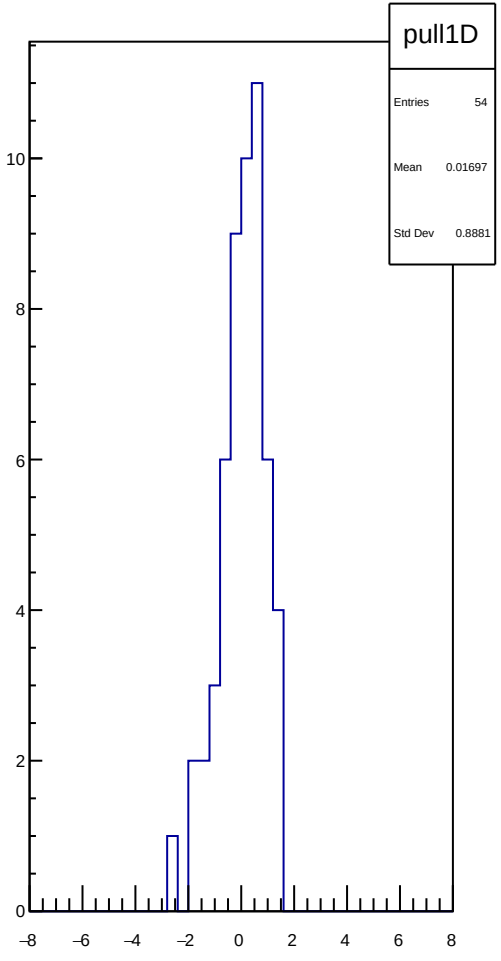
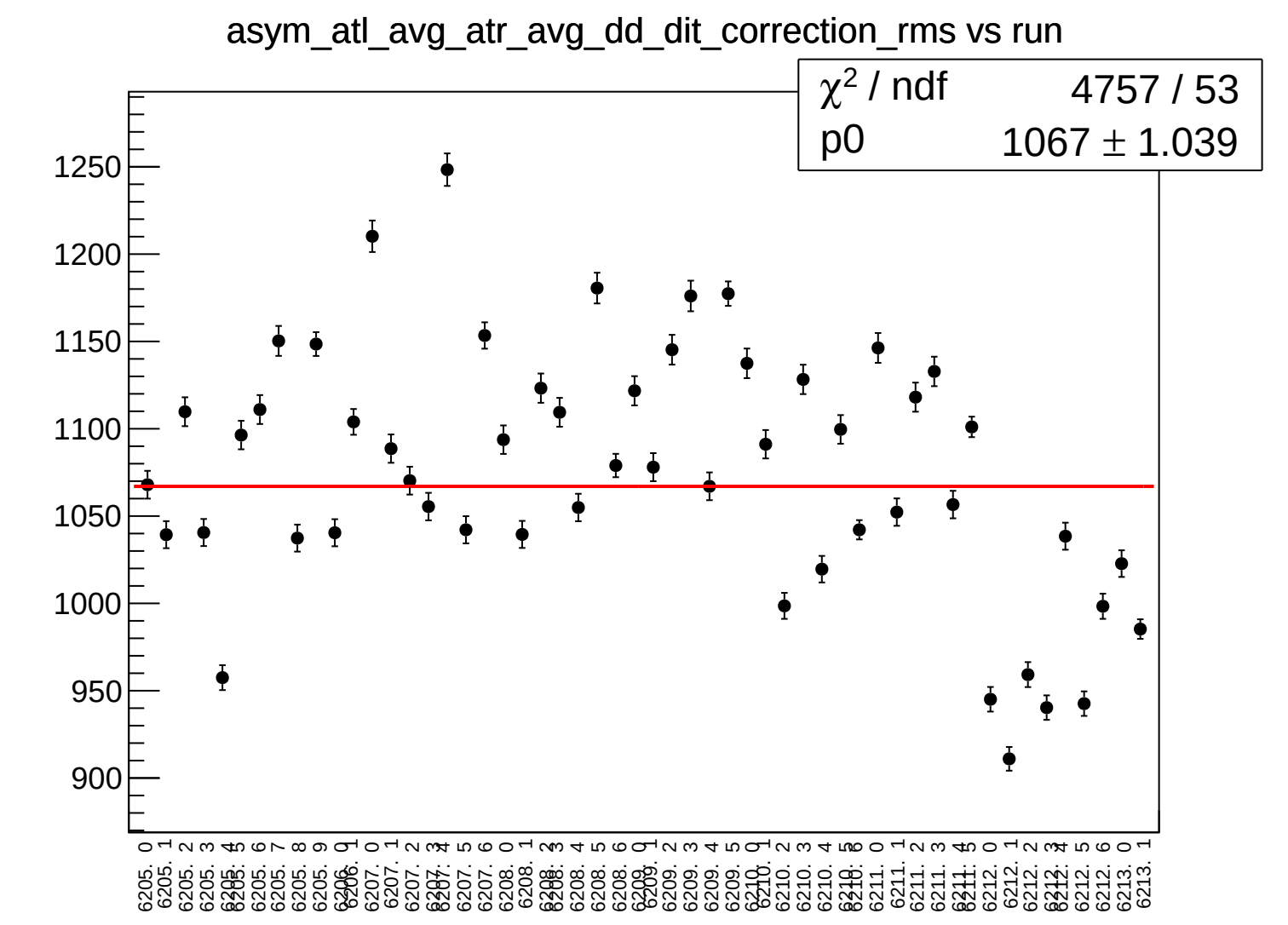
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_atl_avg_atr_avg_dd_dit_correction_mean vs run
χ² / ndf 42.61 / 53
p0 −585.7 ± 1469
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 54
Mean −21.58
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 54
Mean 0.01697
Std Dev 0.8881
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl_avg_atr_avg_dd_dit_correction_rms vs run
χ² / ndf 4757 / 53
p0 1067 ± 1.039
1250
1200
1150
1100
1050
1000
950
900
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
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6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
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6207. 2
6207. 3
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6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
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6209. 2
6209. 3
6209. 4
6209. 5
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6210. 3
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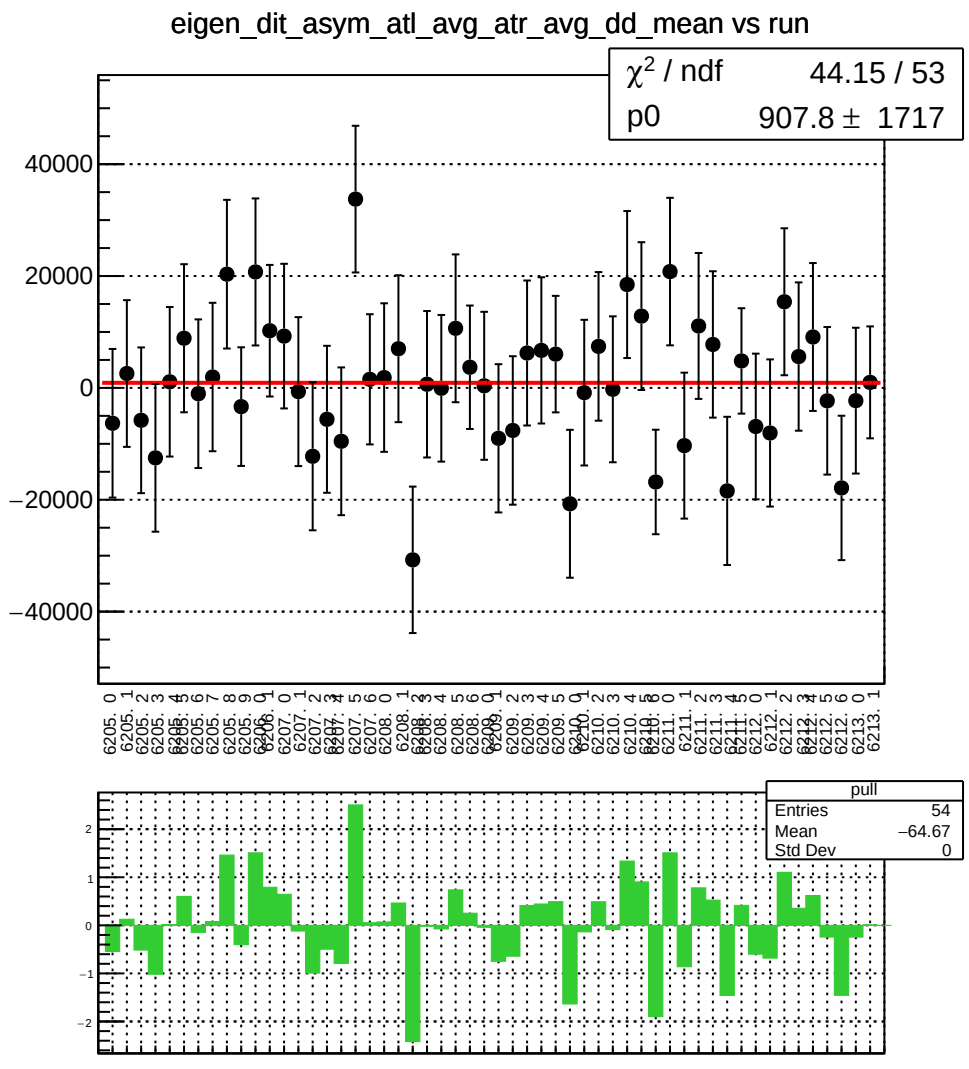
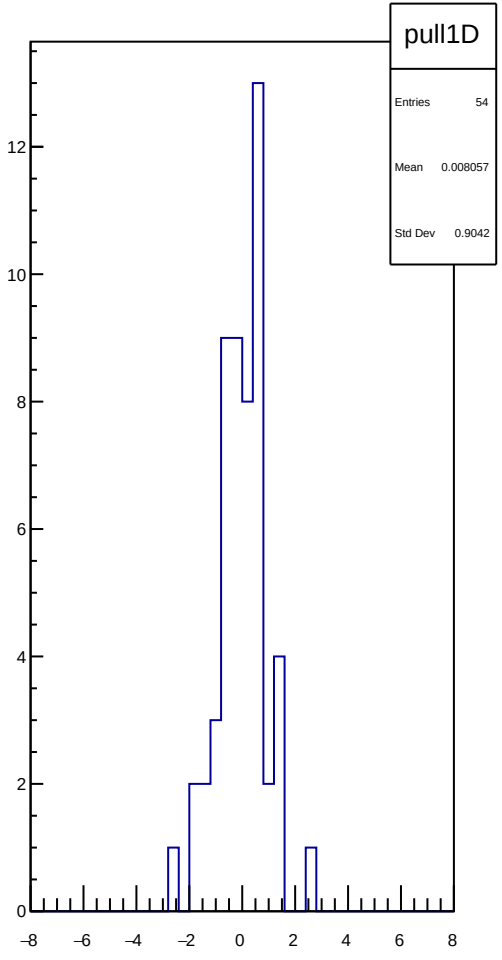
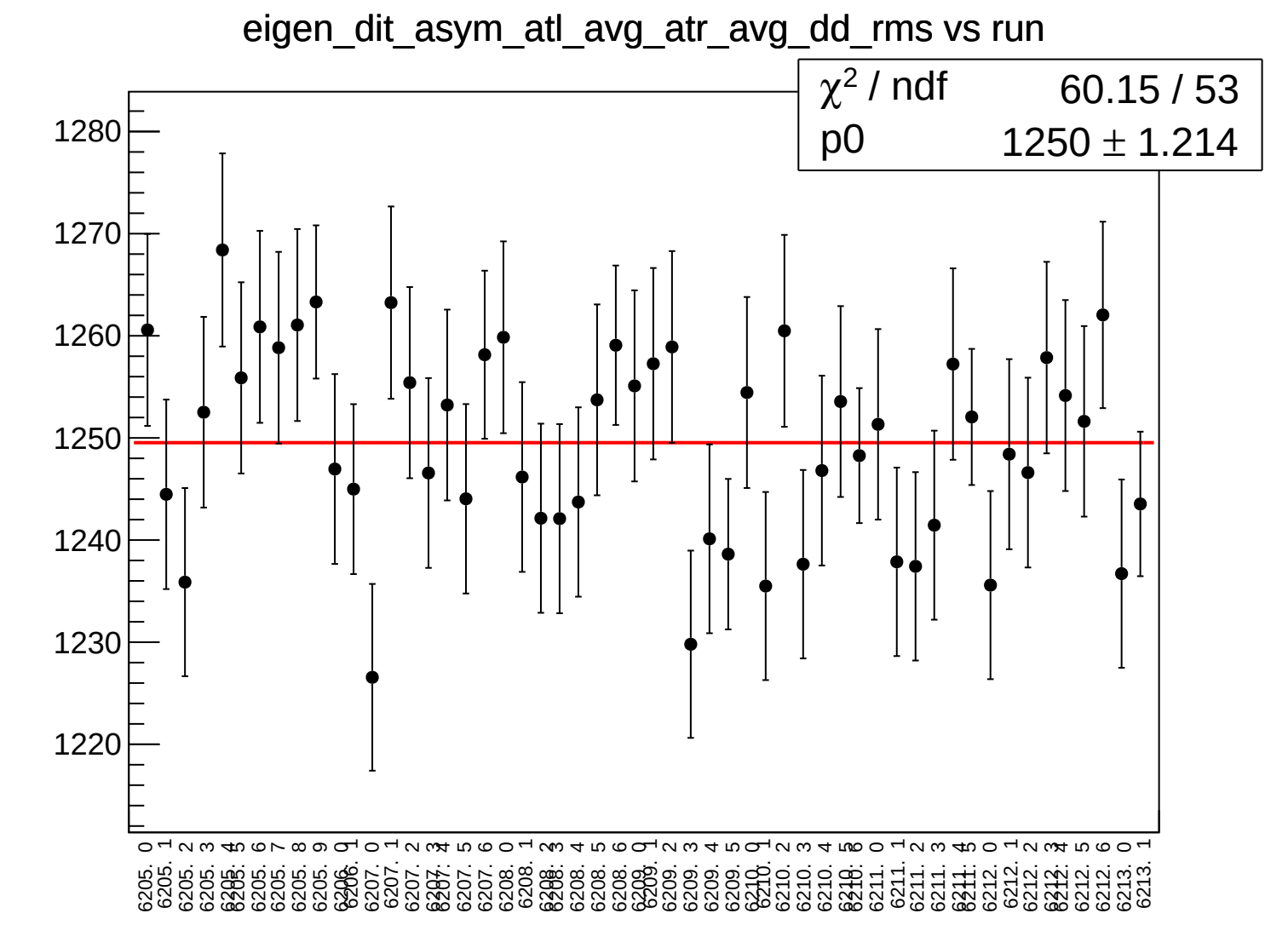
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


eigen_dit_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 44.15 / 53
p0 907.8 ± 1717
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −64.67
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 54
Mean 0.008057
Std Dev 0.9042
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_dit_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 60.15 / 53
p0 1250 ± 1.214
1280
1270
1260
1250
1240
1230
1220
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
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6210. 6
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6211. 3
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6212. 0
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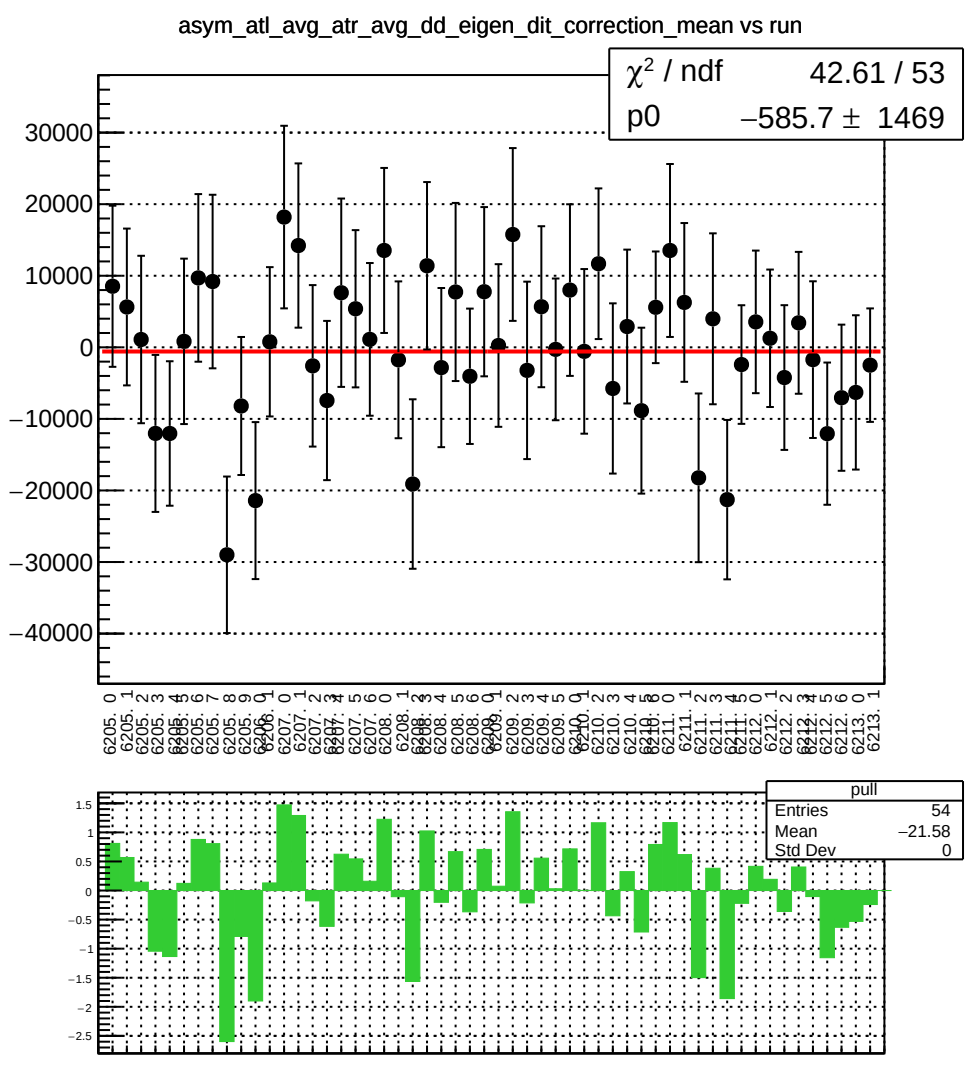
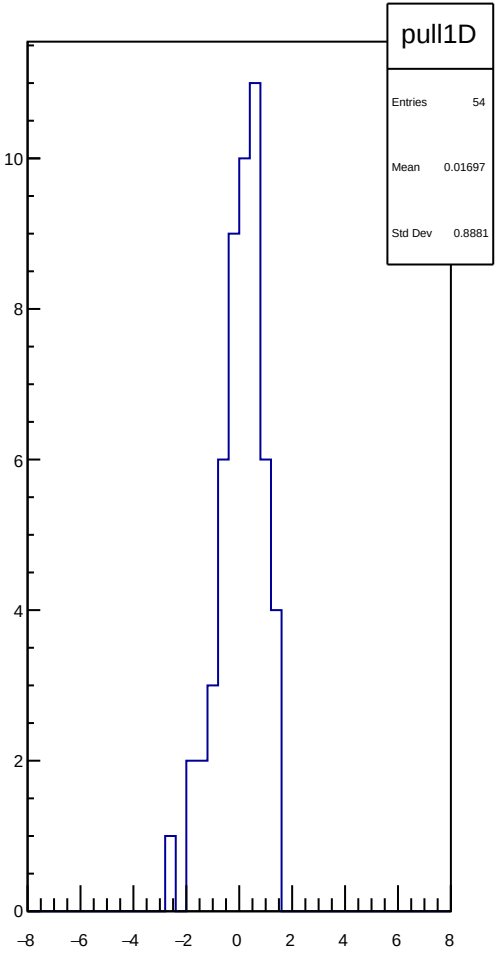
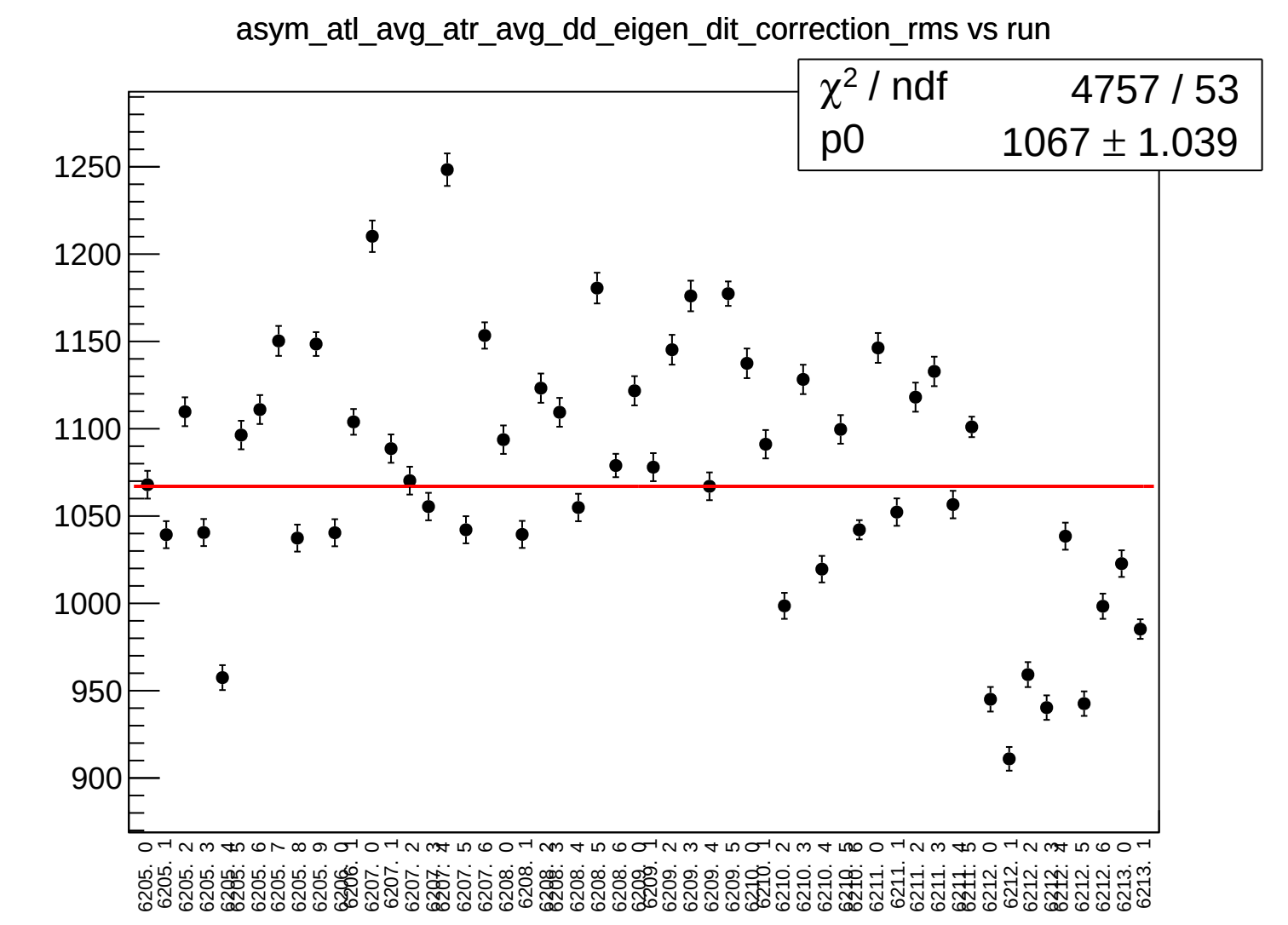
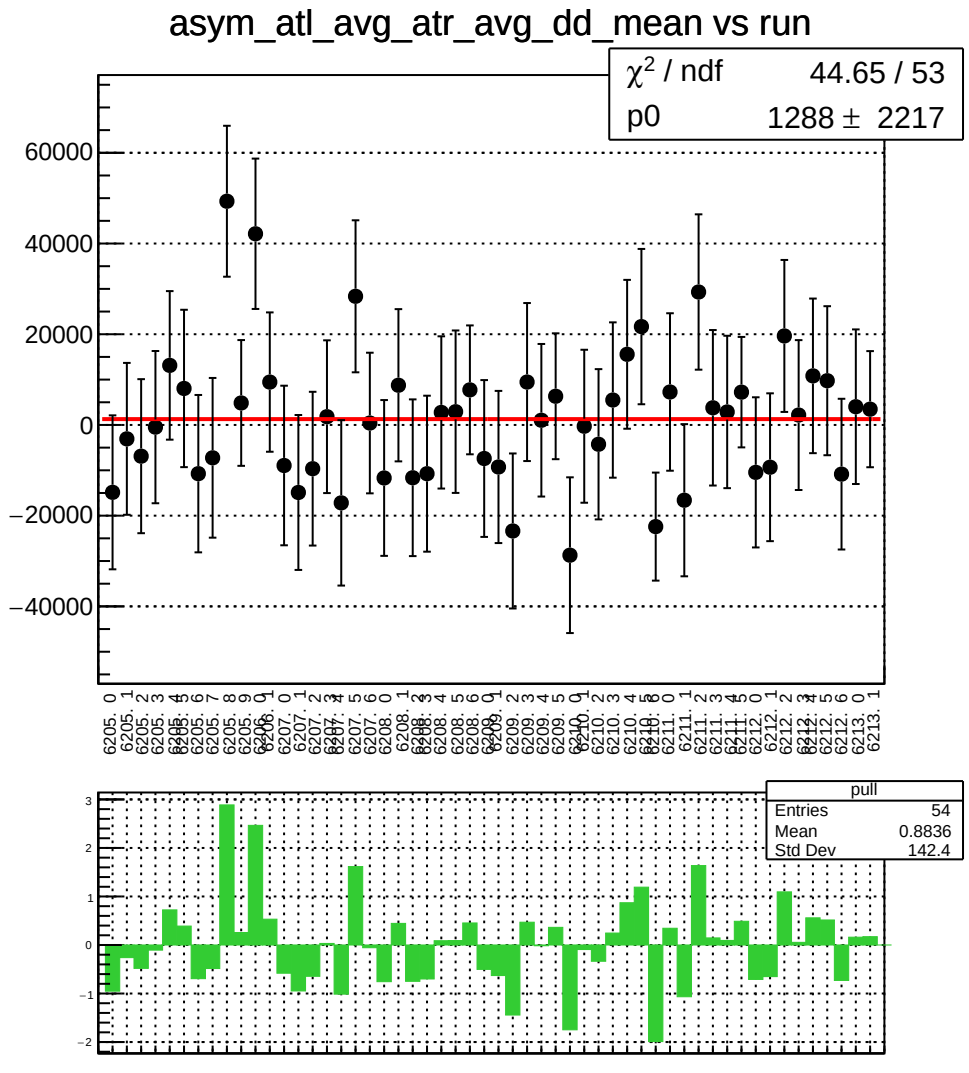
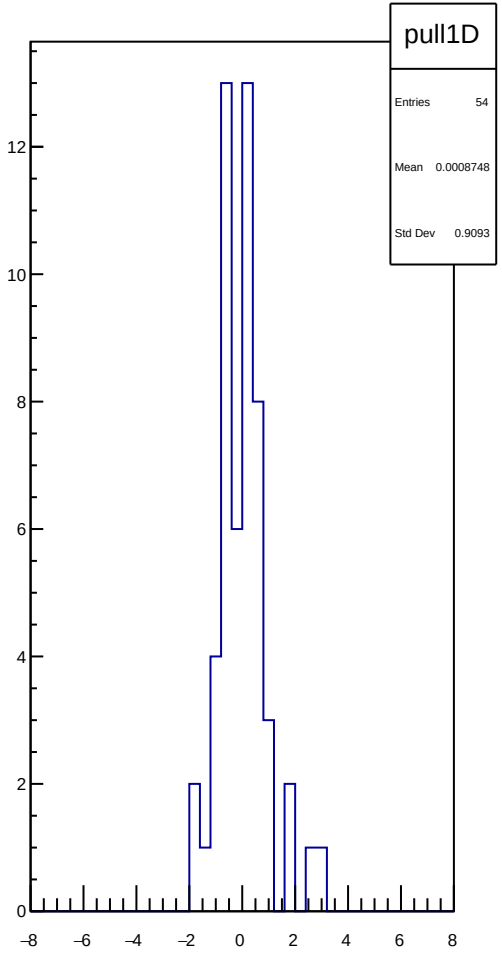
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

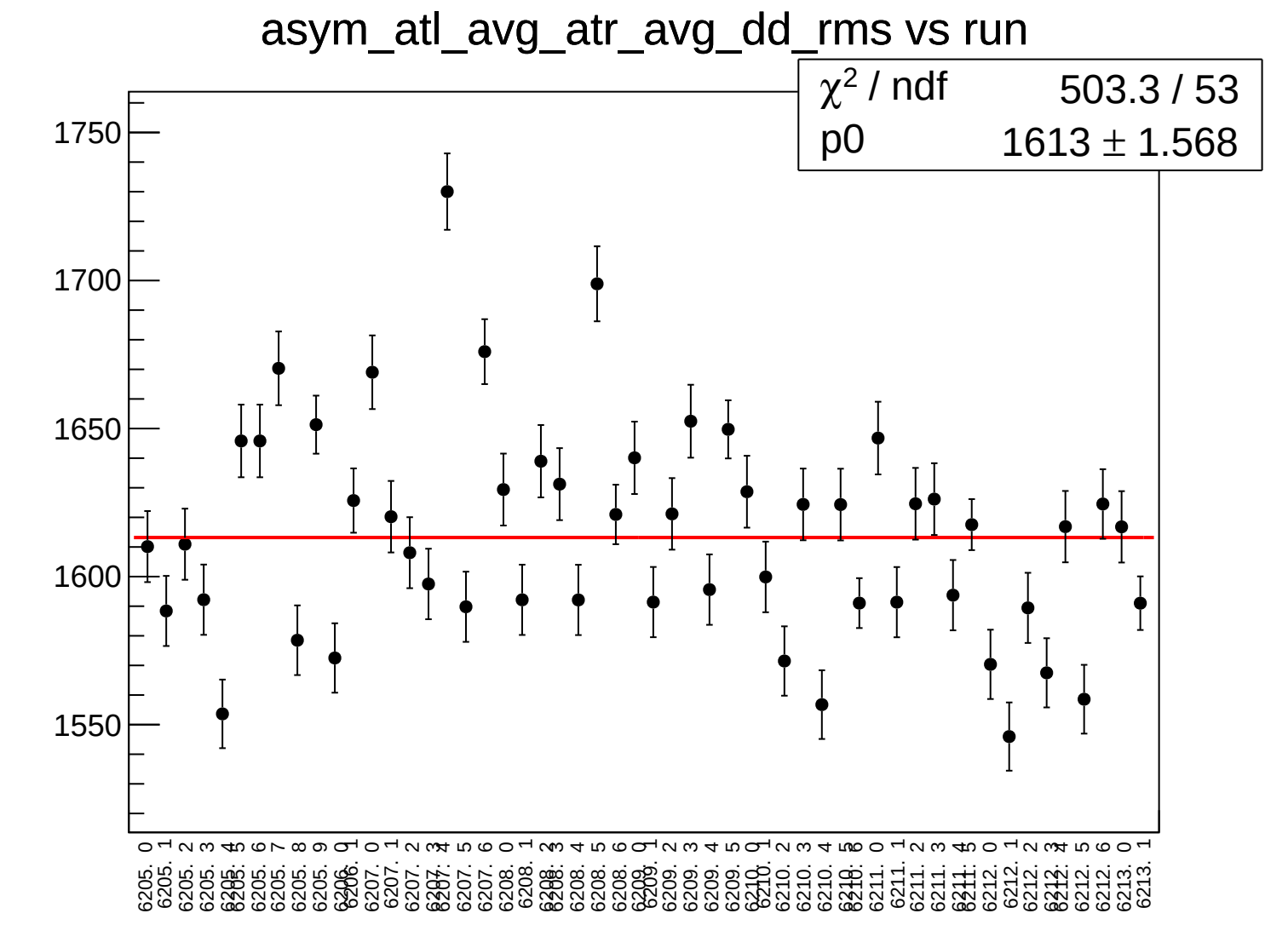

asym_atl_avg_atr_avg_dd_eigen_dit_correction_mean vs run
χ² / ndf 42.61 / 53
p0 −585.7 ± 1469
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 54
Mean −21.58
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

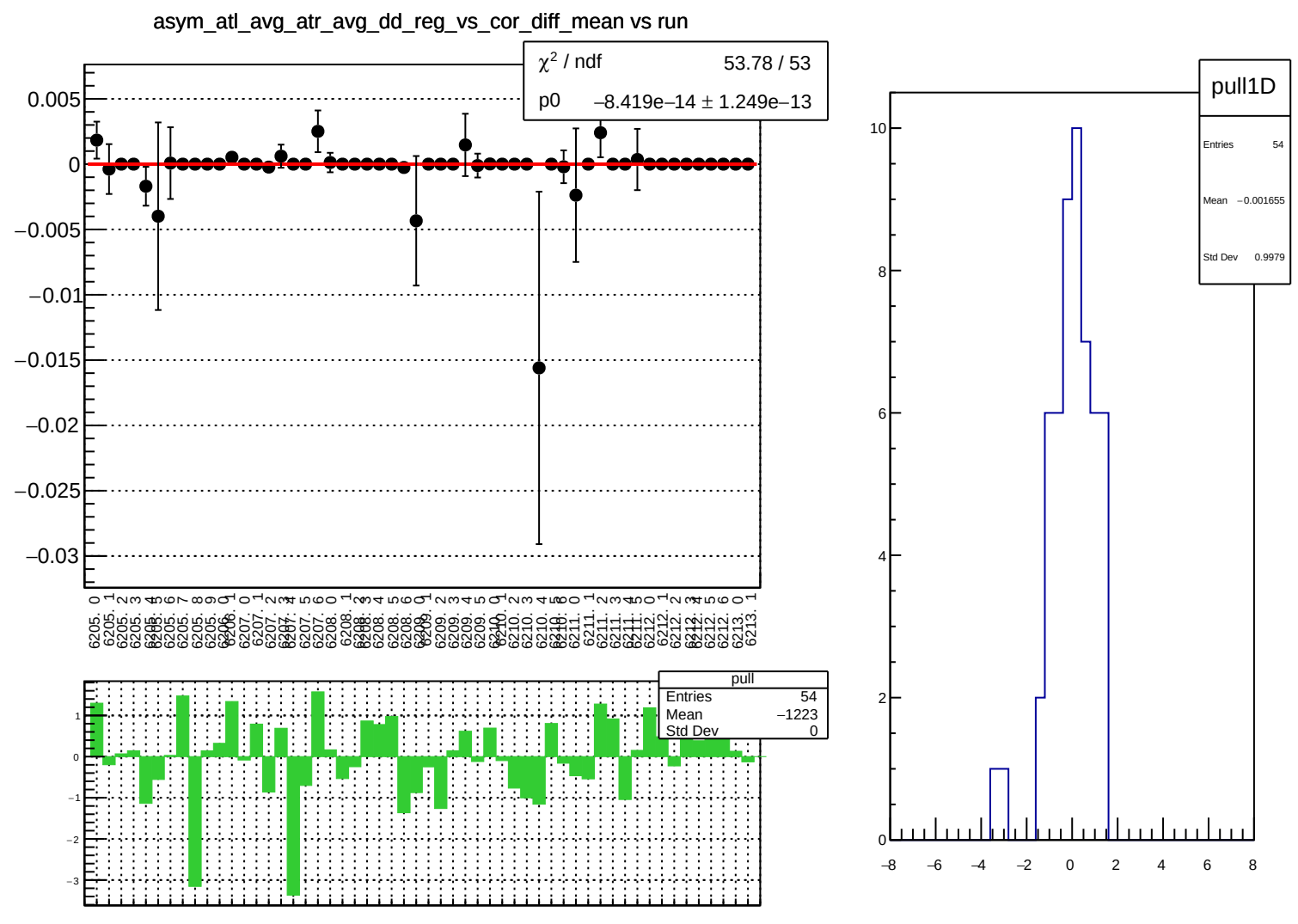

pull1D
Entries 54
Mean 0.01697
Std Dev 0.8881
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

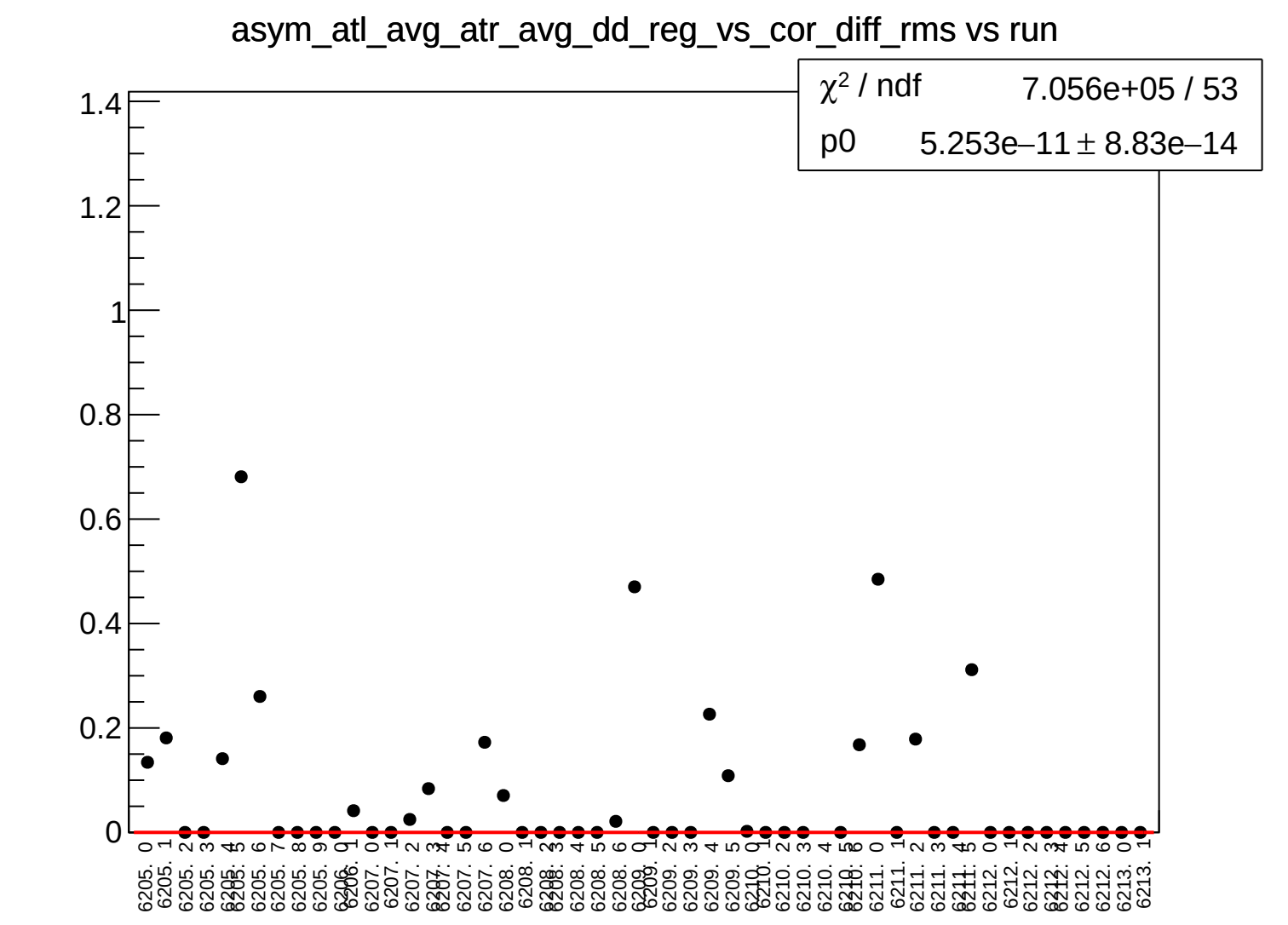

asym_atl_avg_atr_avg_dd_eigen_dit_correction_rms vs run
χ² / ndf 4757 / 53
p0 1067 ± 1.039
1250
1200
1150
1100
1050
1000
950
900
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

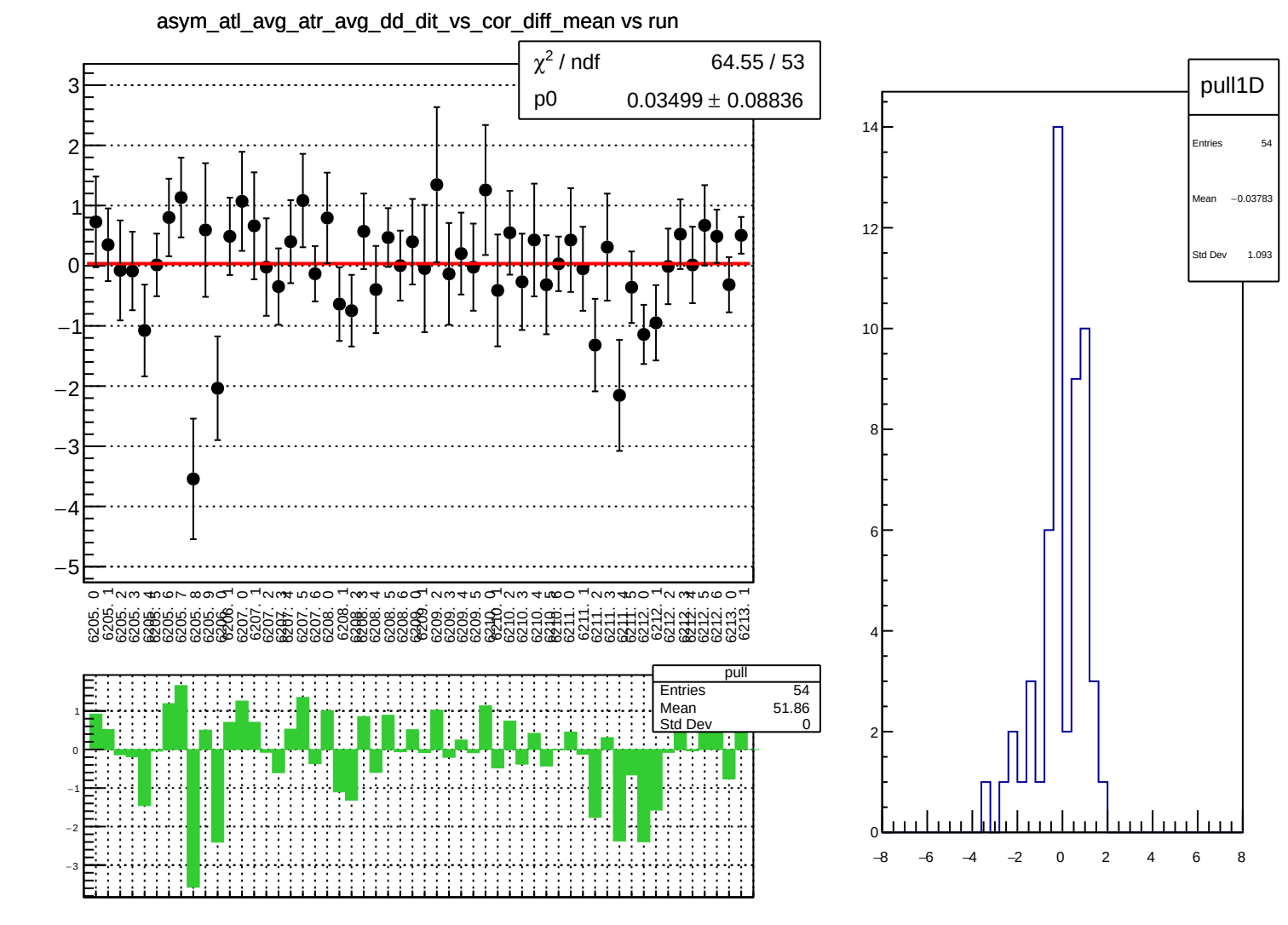

asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 44.65 / 53
p0 1288 ± 2217
60000
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 0.8836
Std Dev 142.4
3
2
1
0
−1
−2

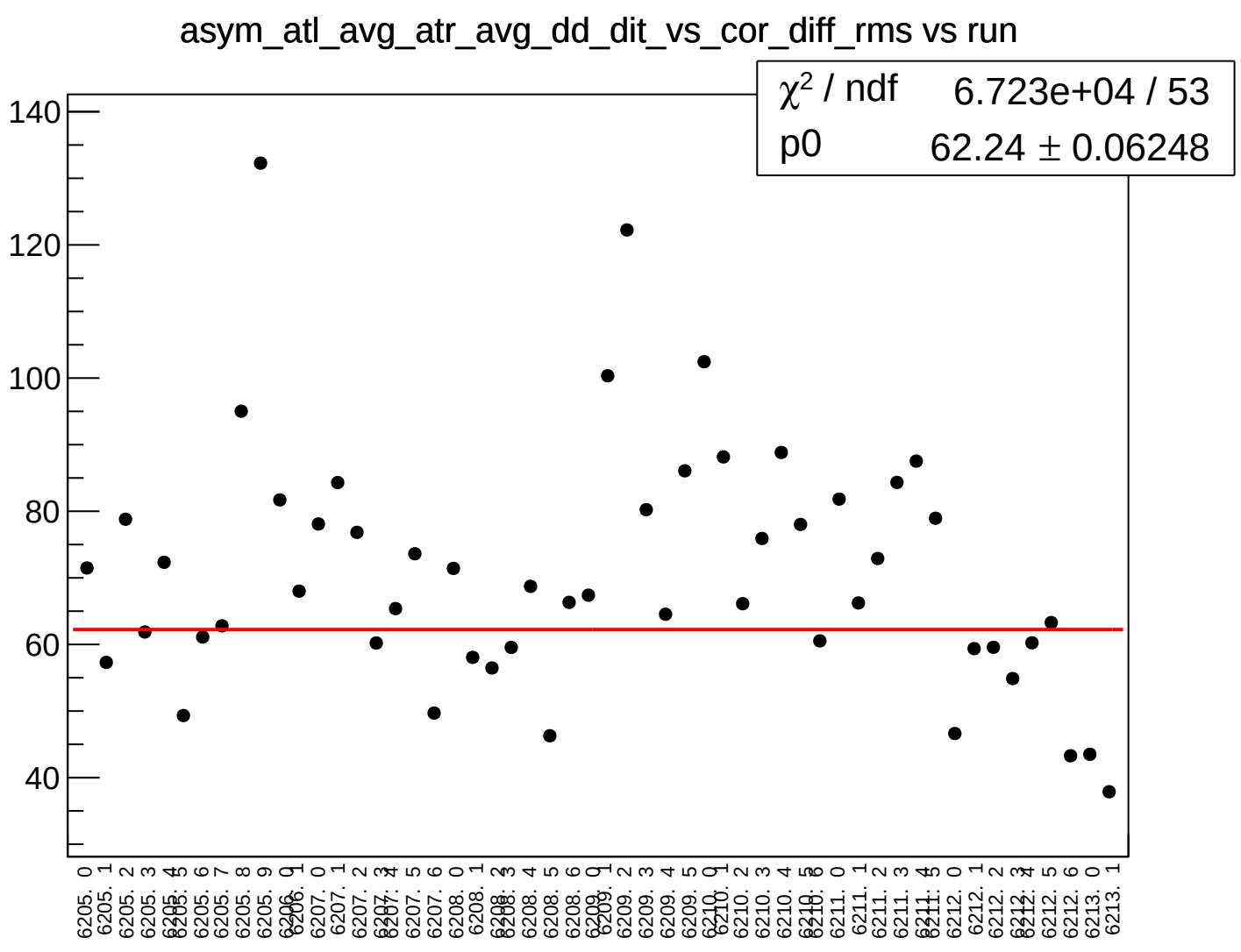

pull1D
Entries 54
Mean 0.0008748
Std Dev 0.9093
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

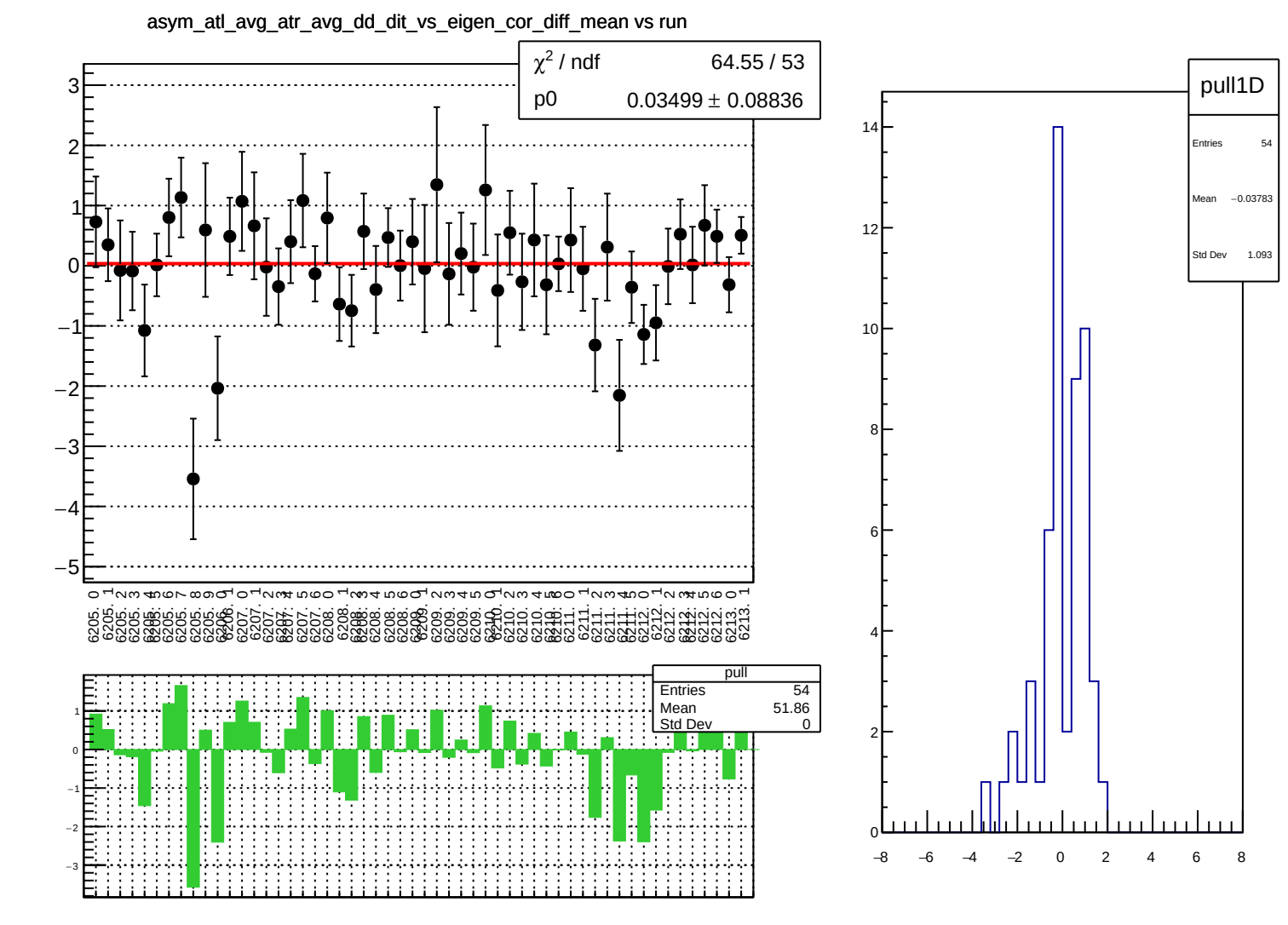

asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 503.3 / 53
p0 1613 ± 1.568
1750
1700
1650
1600
1550
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

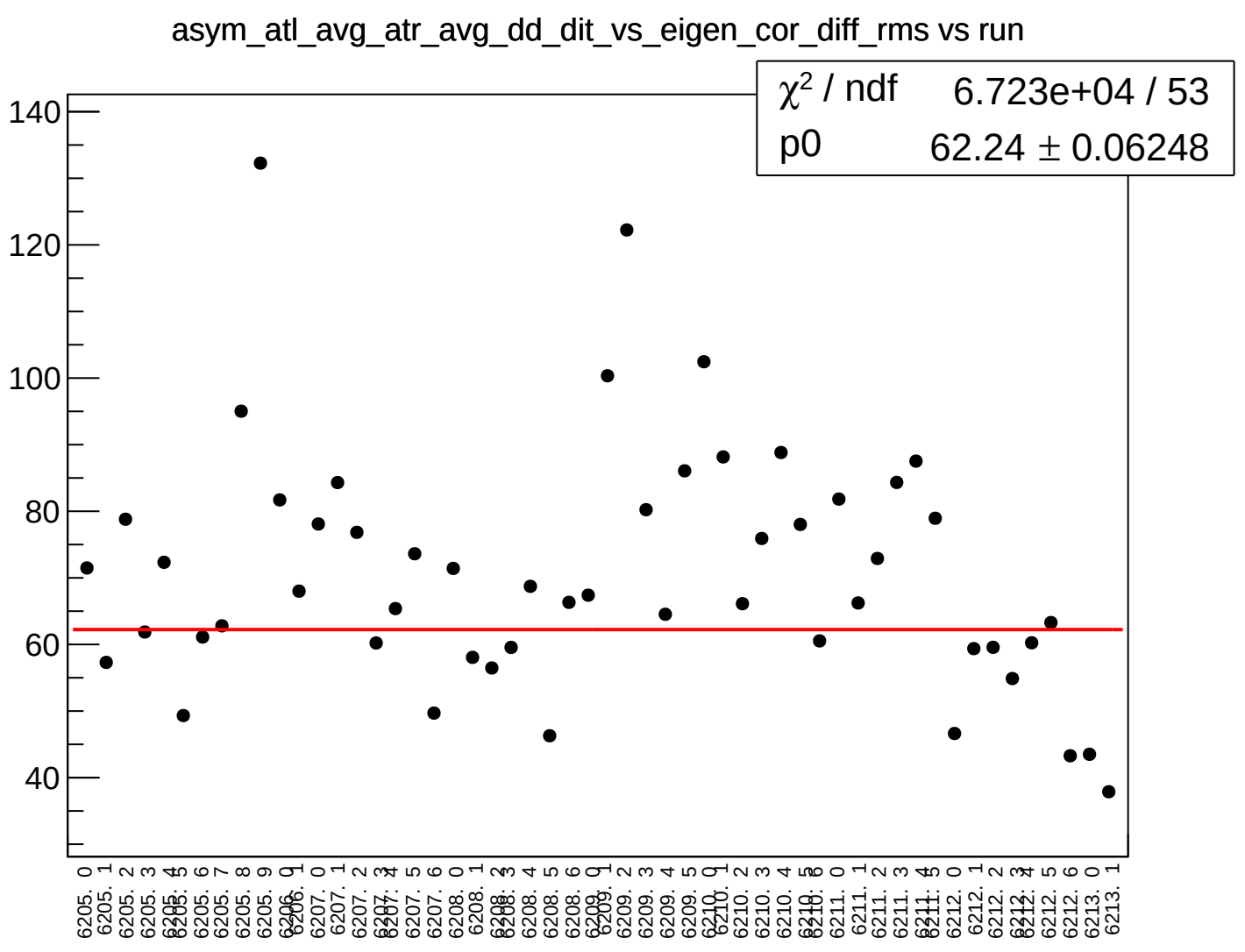

asym_atl_avg_atr_avg_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 53.78 / 53
p0 −8.419e−14 ± 1.249e−13
0.005
0
−0.005
−0.01
−0.015
−0.02
−0.025
−0.03
pull
Entries 54
Mean −1223
Std Dev 0
pull1D
Entries 54
Mean −0.001655
Std Dev 0.9979
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

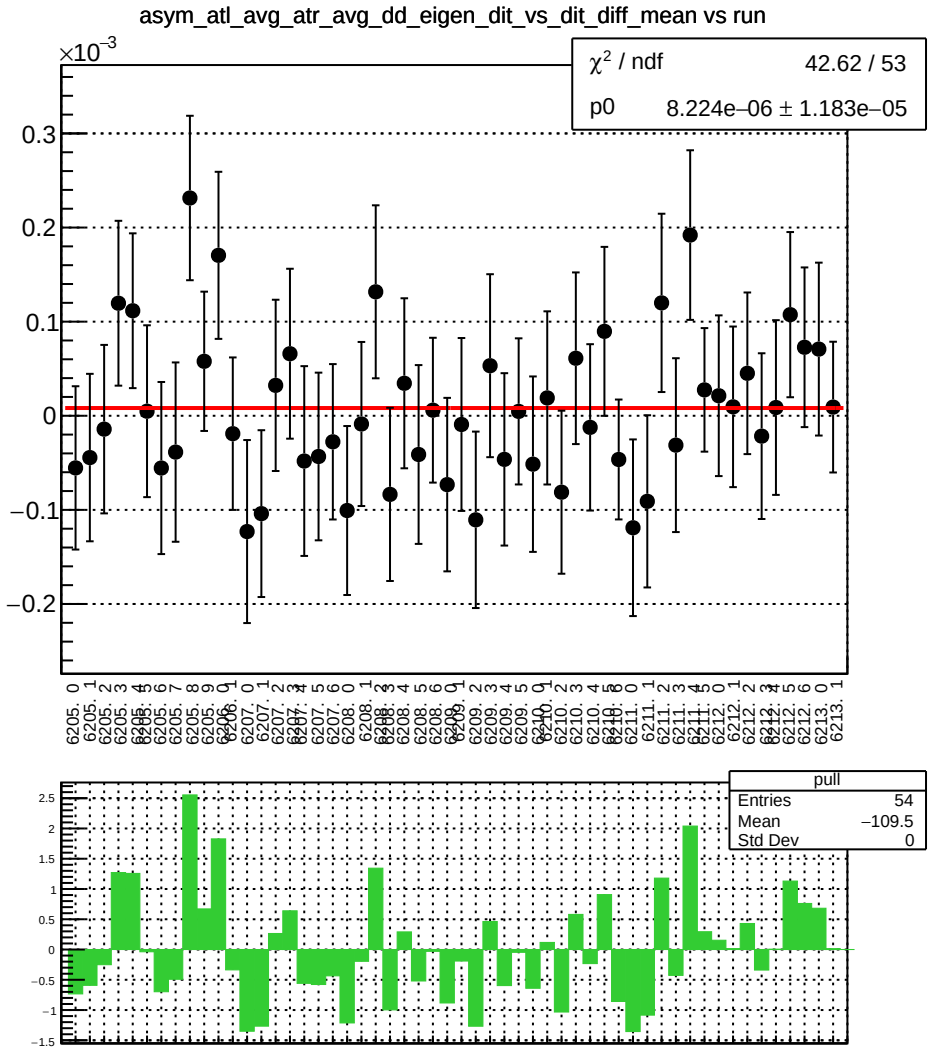

asym_atl_avg_atr_avg_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 7.056e+05 / 53
p0 5.253e−11 ± 8.83e−14
1.4
1.2
1
0.8
0.6
0.4
0.2
0

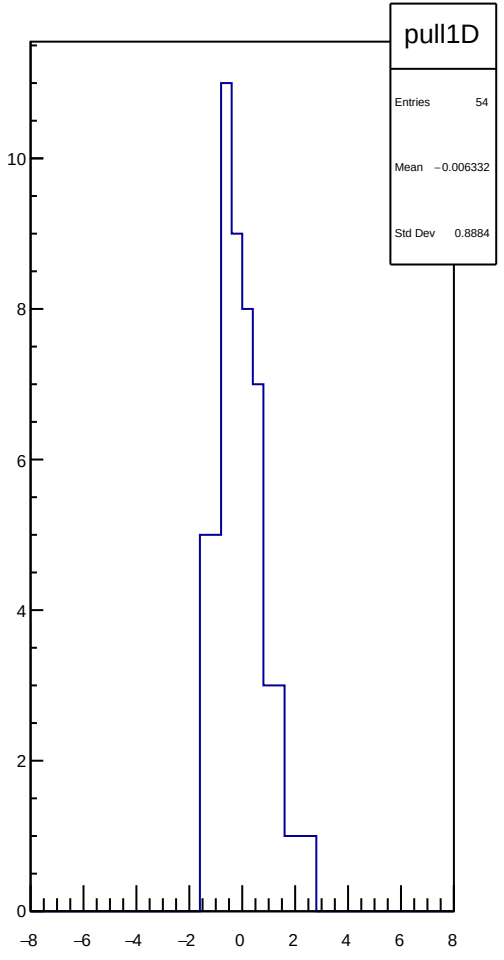

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 64.55 / 53
p0 0.03499 ± 0.08836
pull
Entries 54
Mean 51.86
Std Dev 0
pull1D
Entries 54
Mean −0.03783
Std Dev 1.093

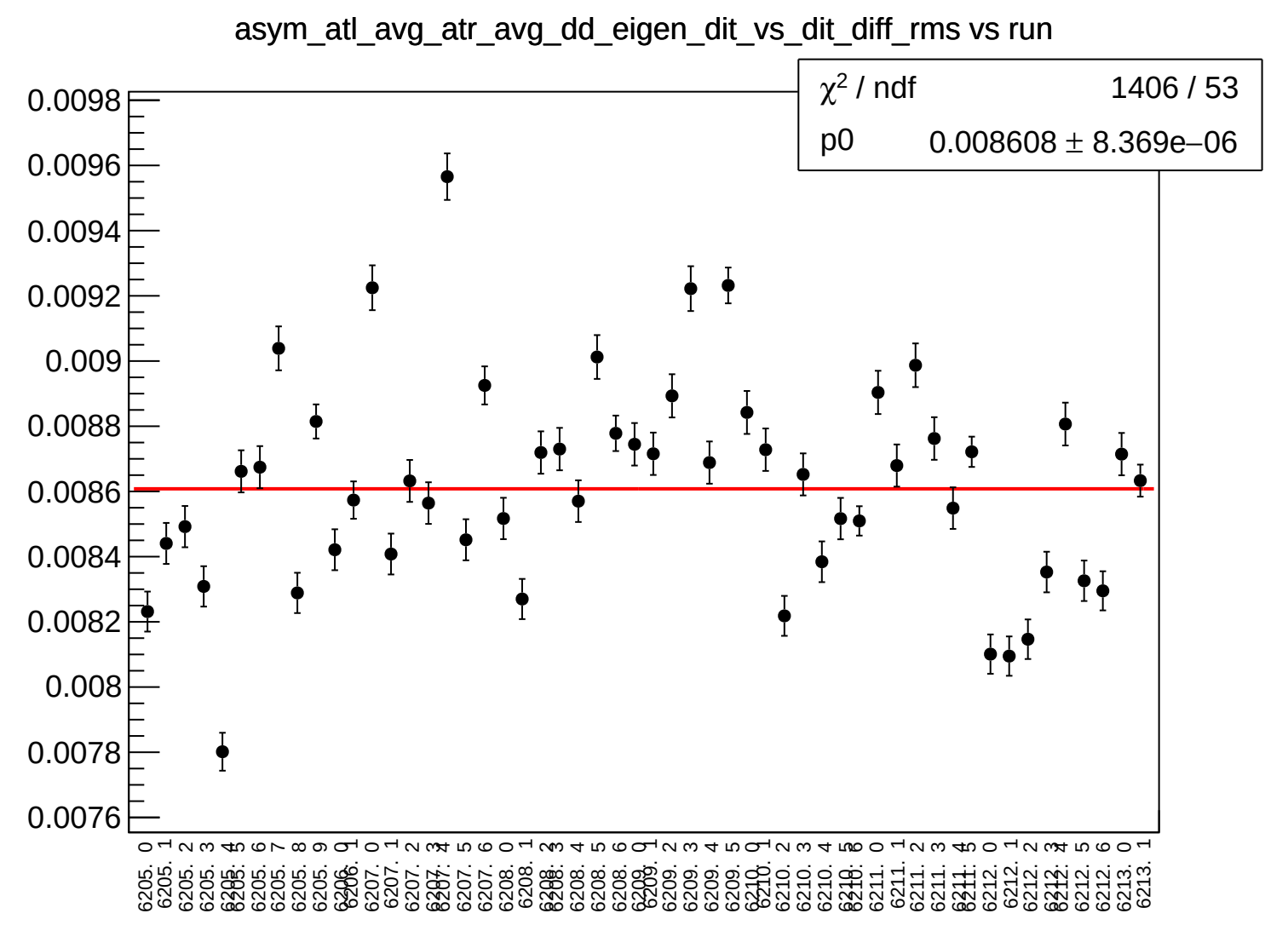

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 6.723e+04 / 53
p0 62.24 ± 0.06248
140
120
100
80
60
40

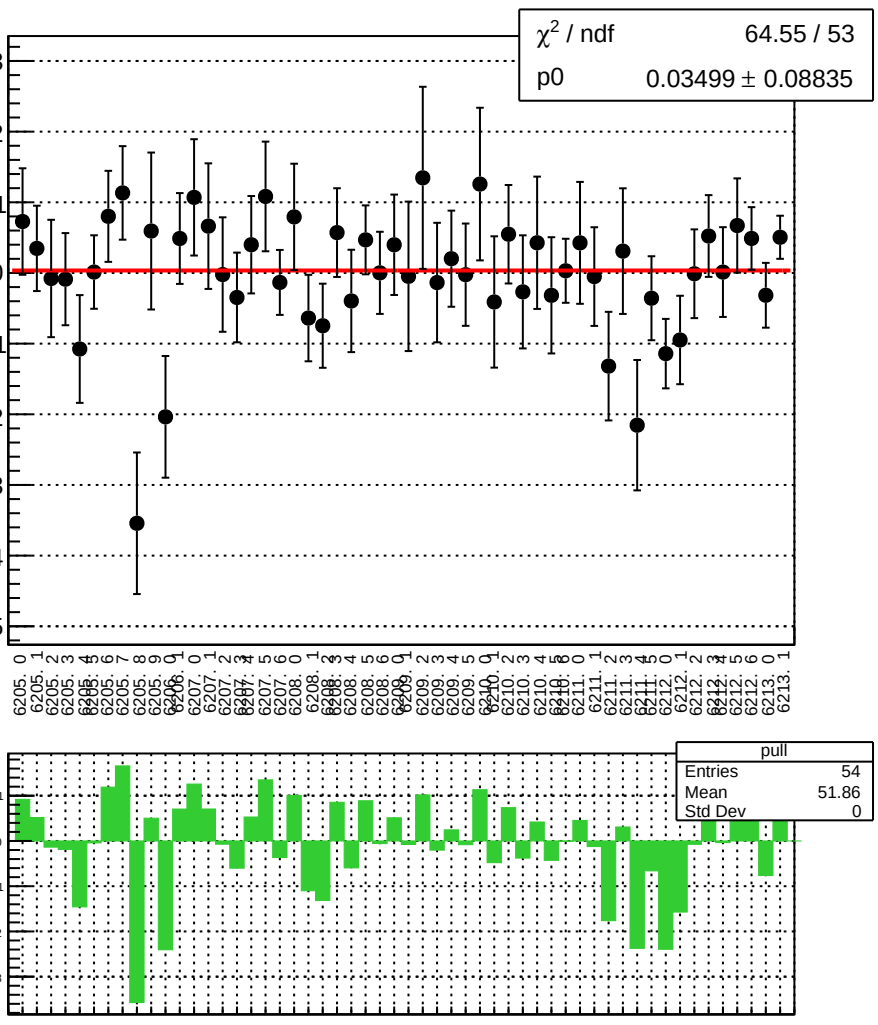

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 64.55 / 53
p0 0.03499 ± 0.08836
pull
Entries 54
Mean 51.86
Std Dev 0
pull1D
Entries 54
Mean −0.03783
Std Dev 1.093

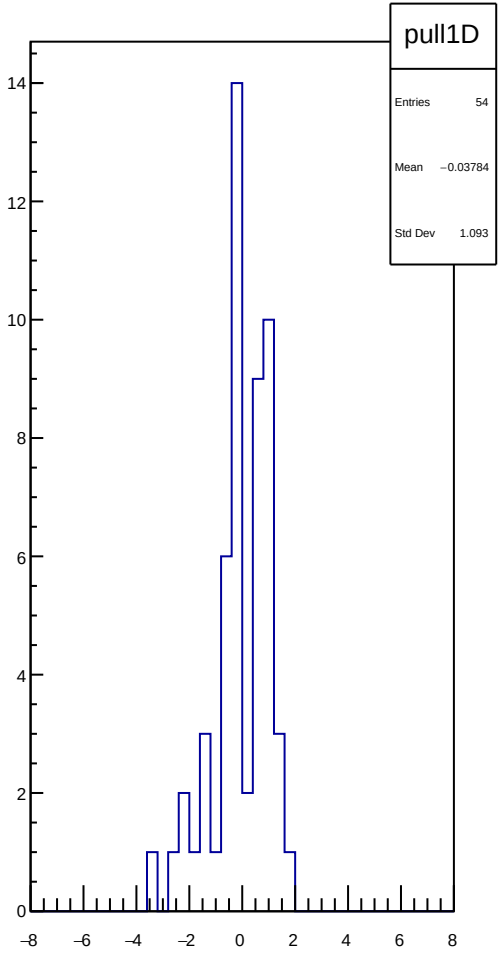

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.723e+04 / 53
p0 62.24 ± 0.06248
140
120
100
80
60
40
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

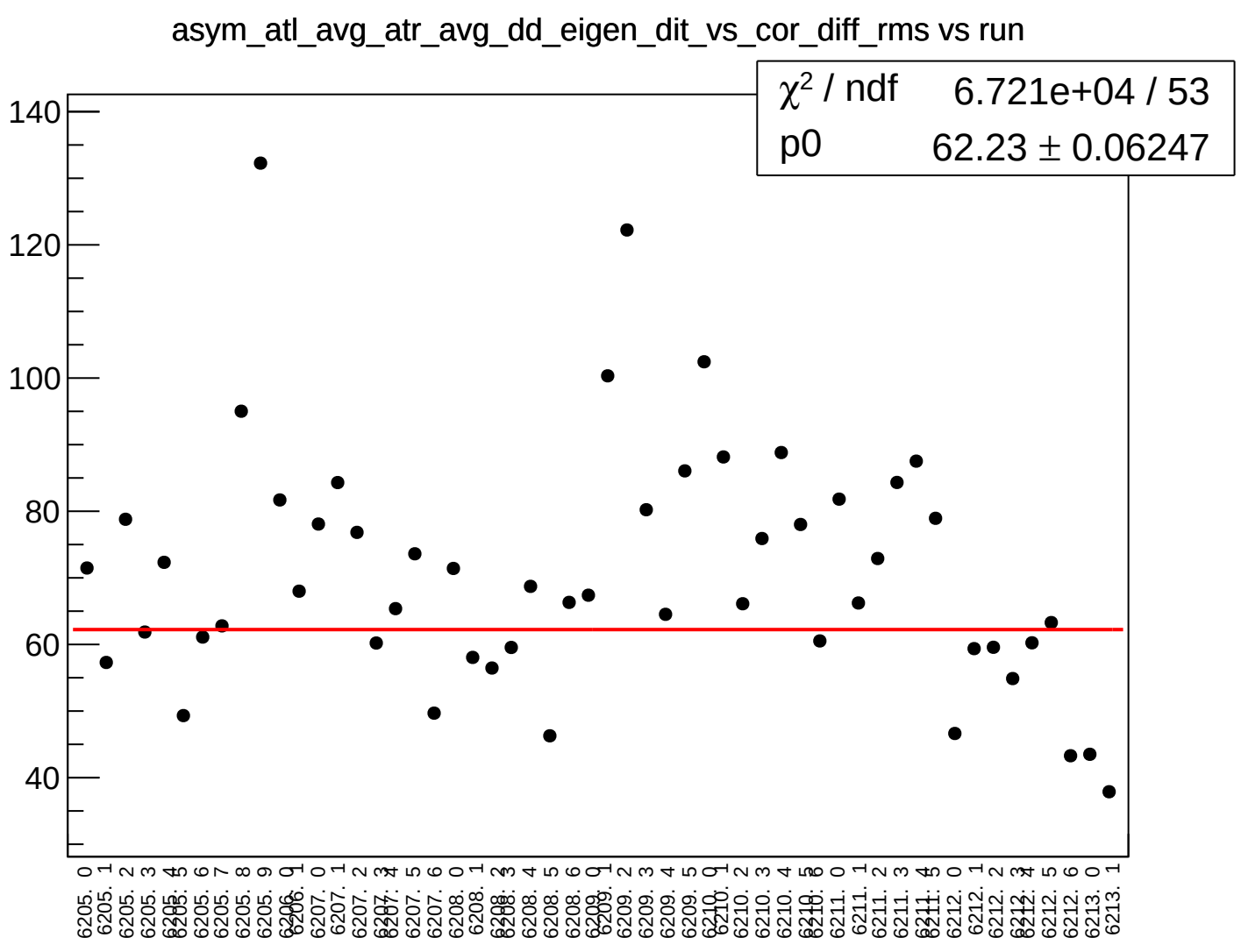

asym_atl_avg_atr_avg_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 42.62 / 53
p0 8.224e−06 ± 1.183e−05
pull
Entries 54
Mean −109.5
Std Dev 0

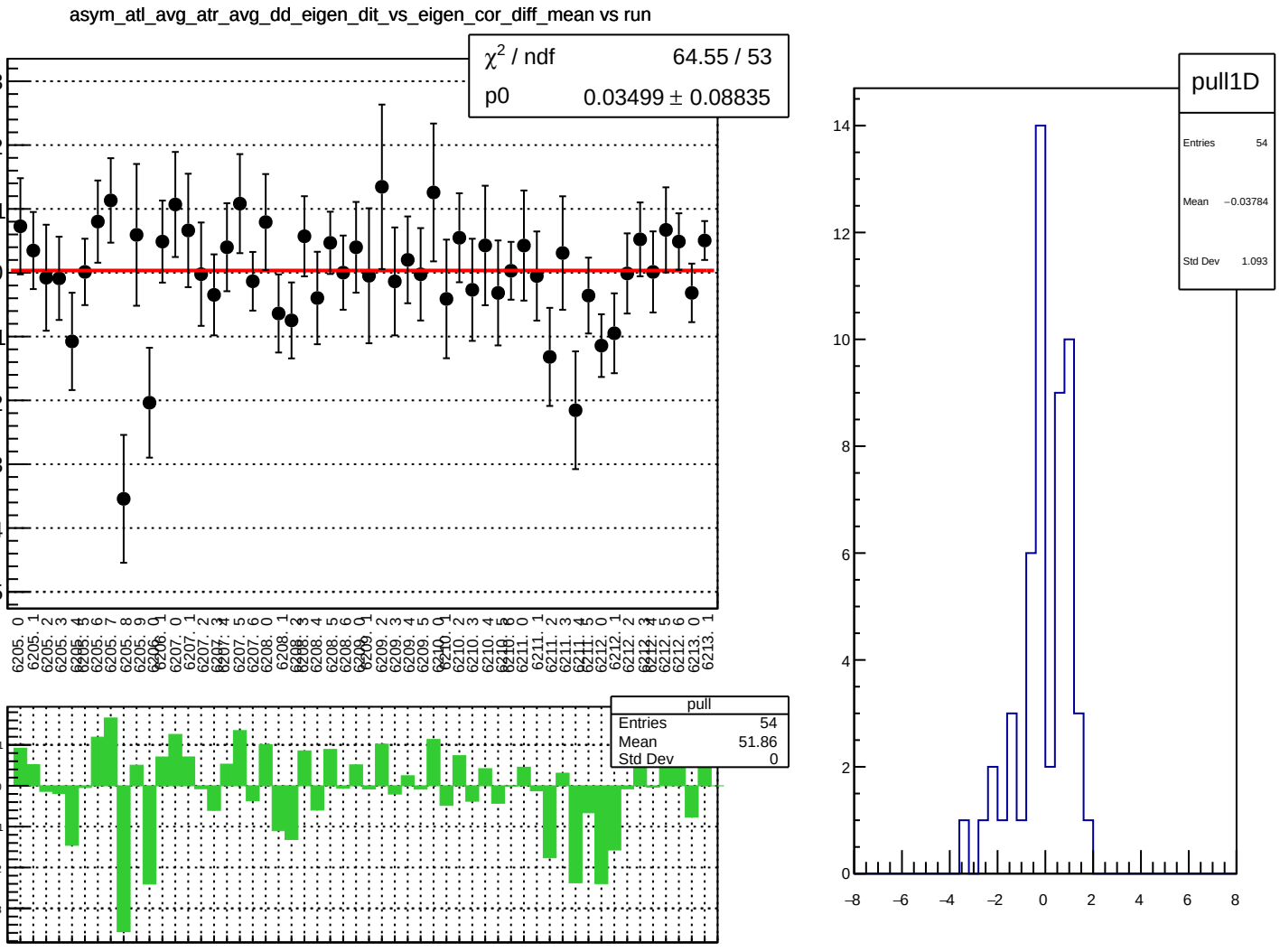

pull1D
Entries 54
Mean −0.006332
Std Dev 0.8884

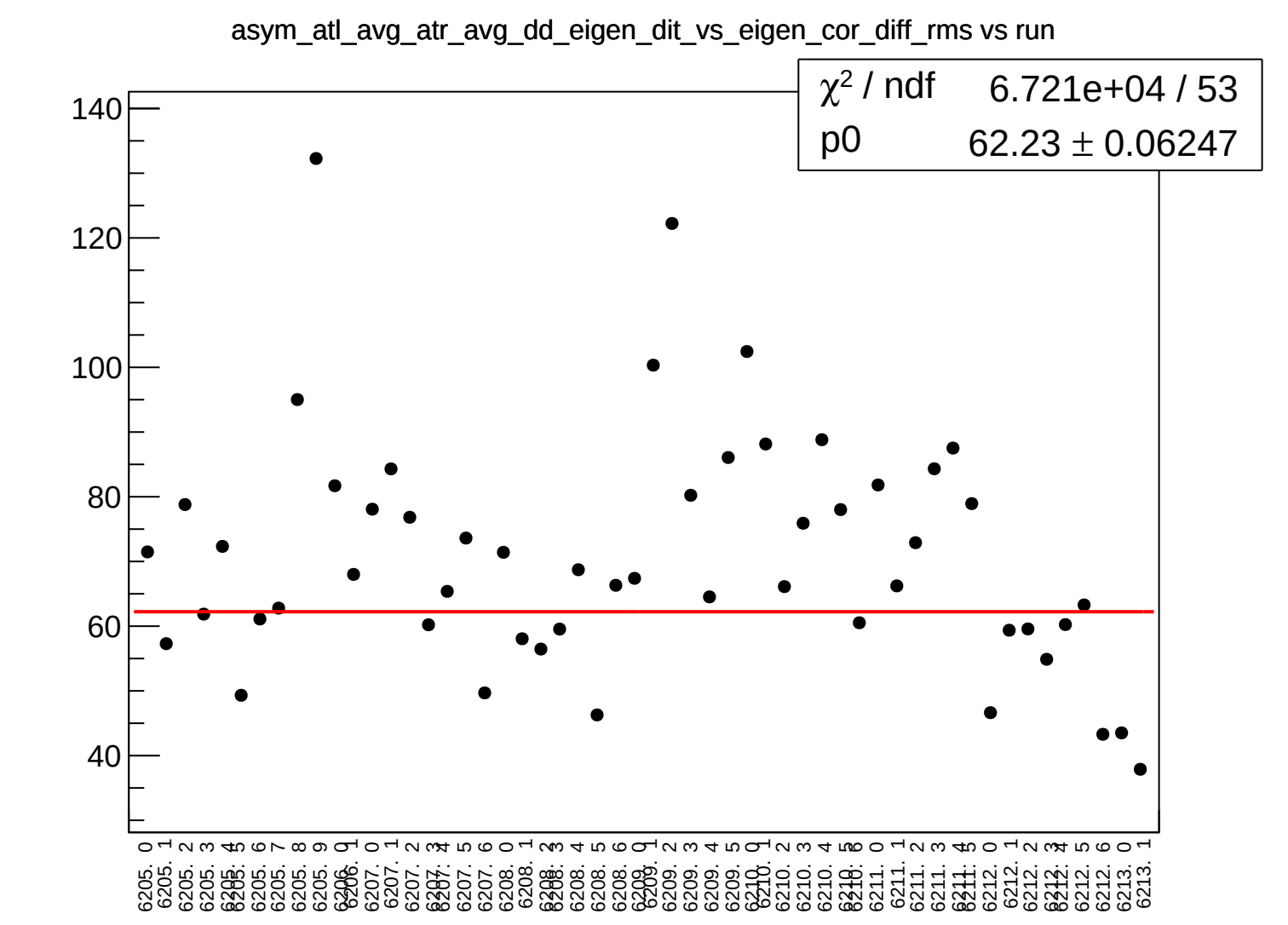

asym_atl_avg_atr_avg_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1406 / 53
p0 0.008608 ± 8.369e−06
0.0098
0.0096
0.0094
0.0092
0.009
0.0088
0.0086
0.0084
0.0082
0.008
0.0078
0.0076

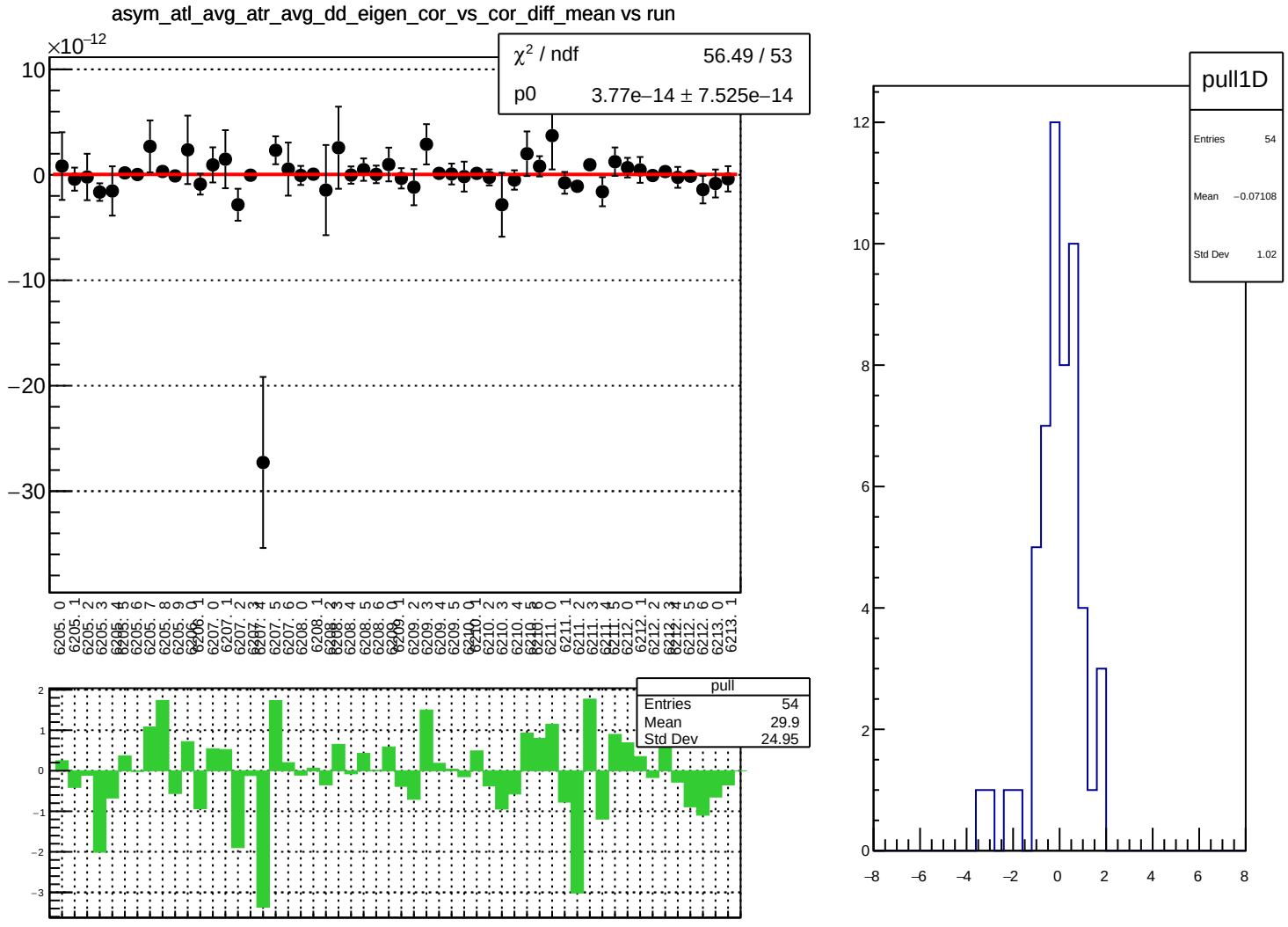

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 64.55 / 53
p0 0.03499 ± 0.08835
pull
Entries 54
Mean 51.86
Std Dev 0

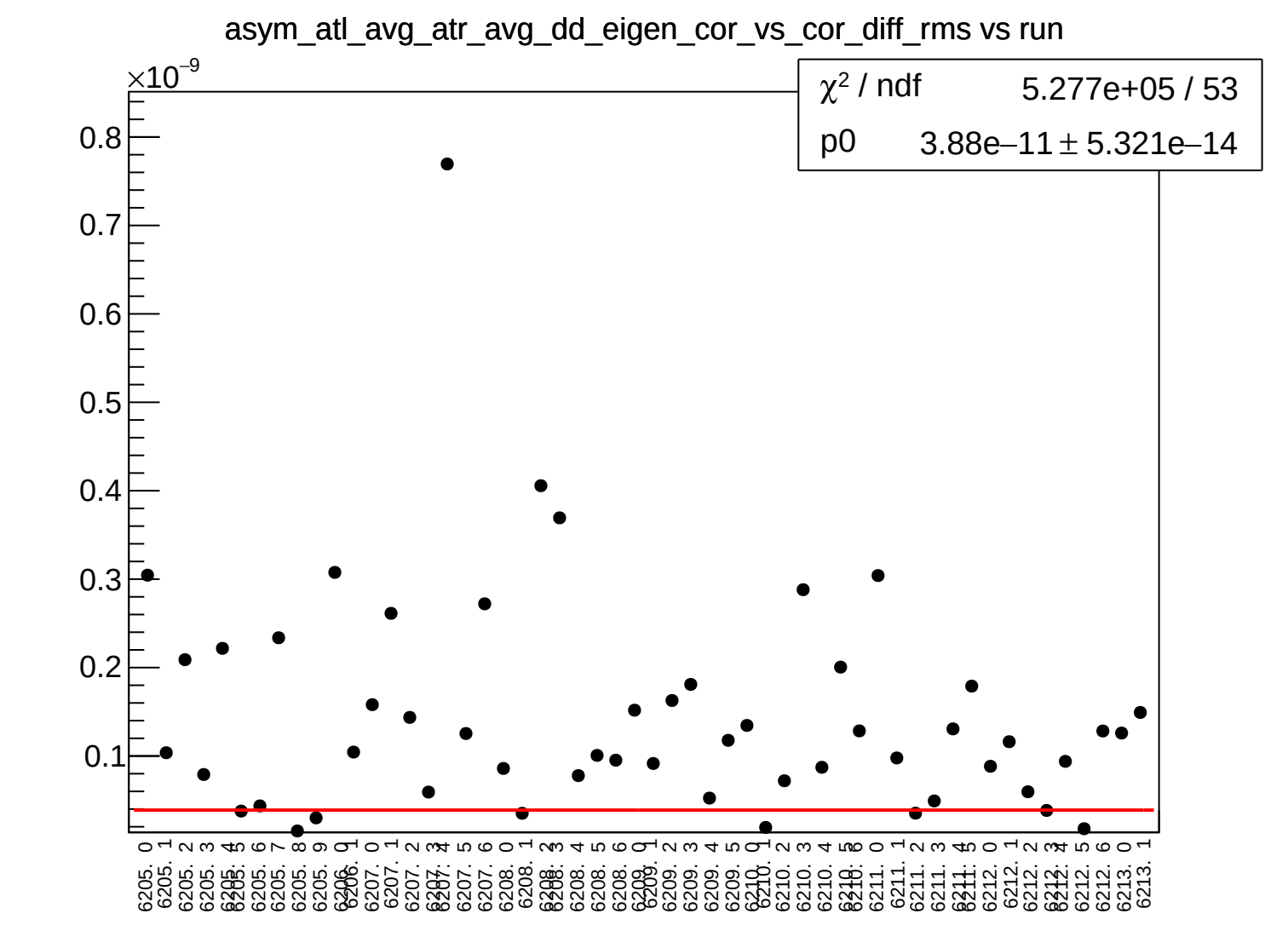

pull1D
Entries 54
Mean −0.03784
Std Dev 1.093

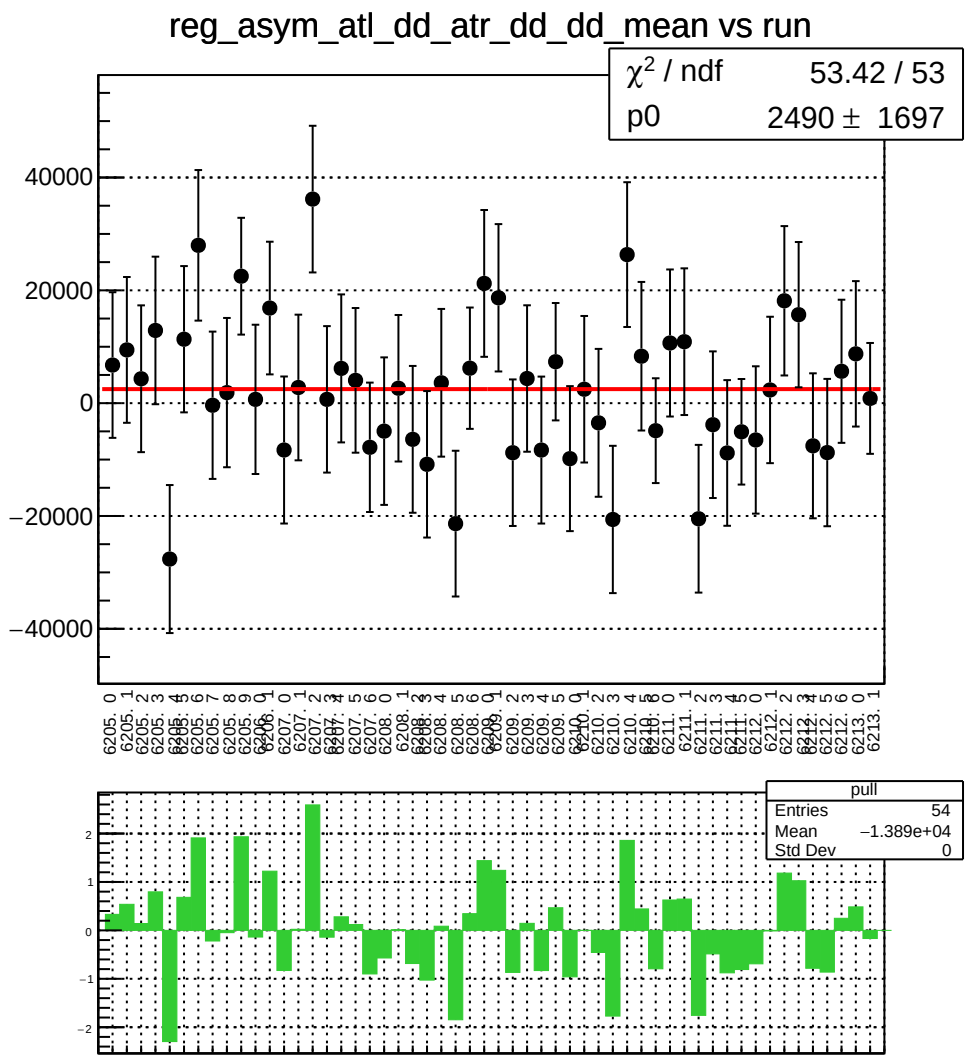

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 6.721e+04 / 53
p0 62.23 ± 0.06247
140
120
100
80
60
40
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

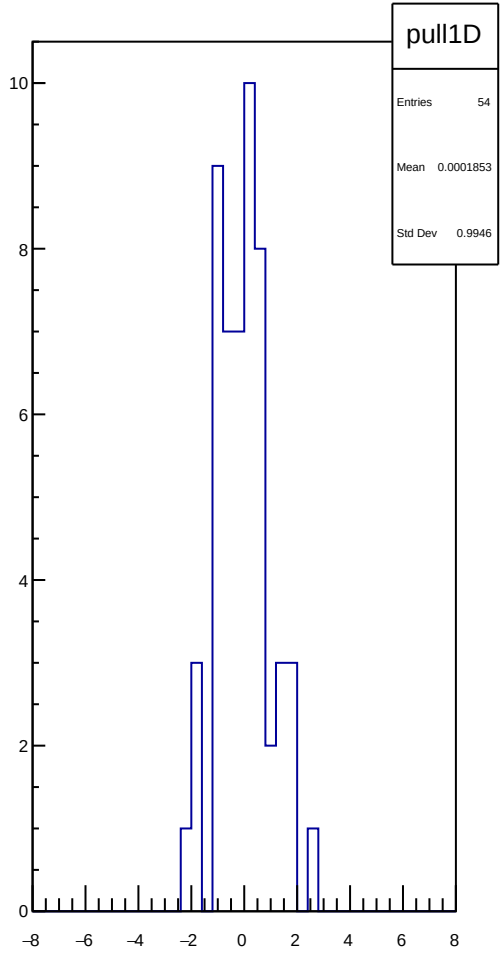

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 64.55 / 53
p0 0.03499 ± 0.08835
pull
Entries 54
Mean 51.86
Std Dev 0
pull1D
Entries 54
Mean −0.03784
Std Dev 1.093

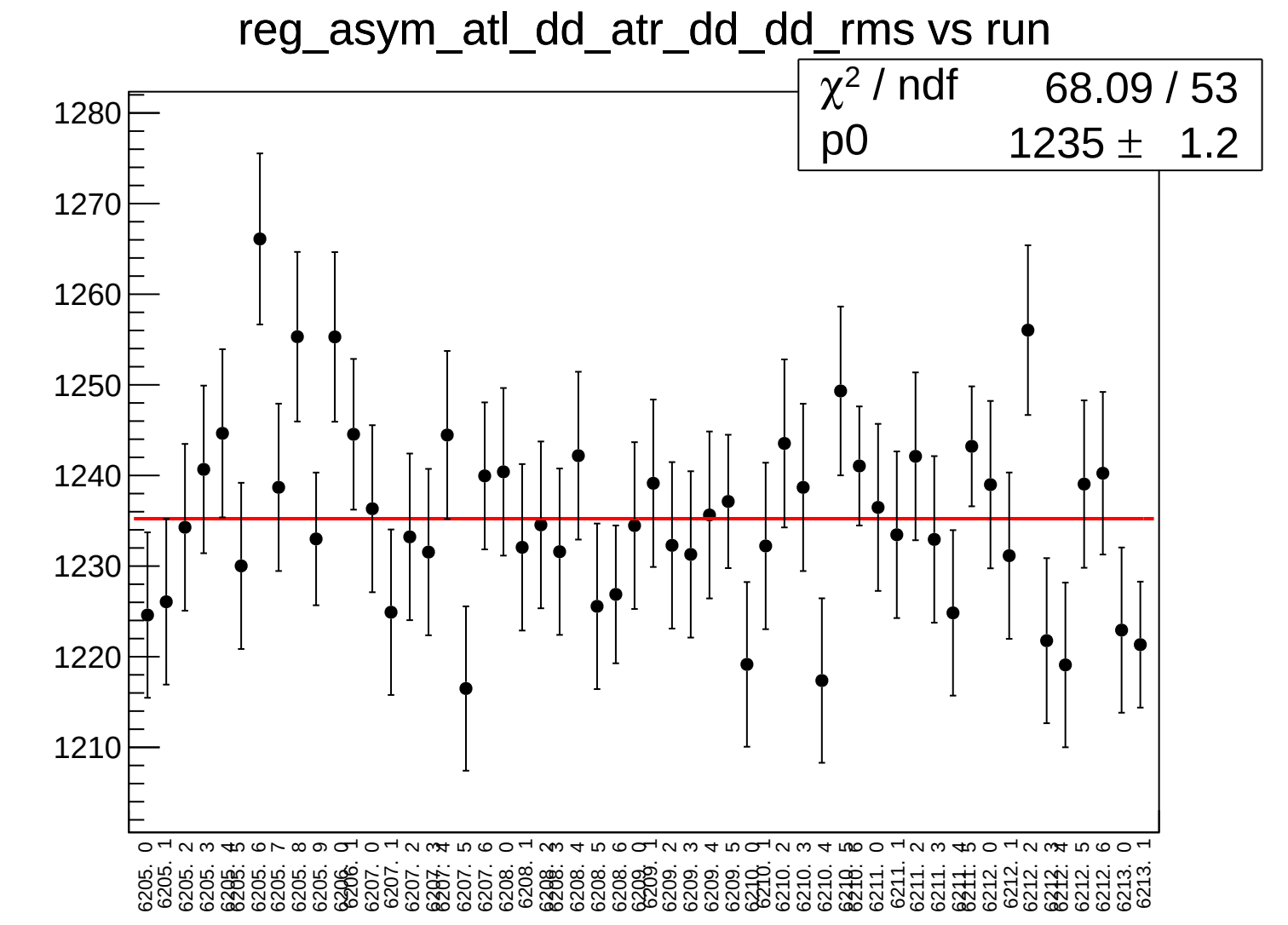

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.721e+04 / 53
p0 62.23 ± 0.06247
140
120
100
80
60
40

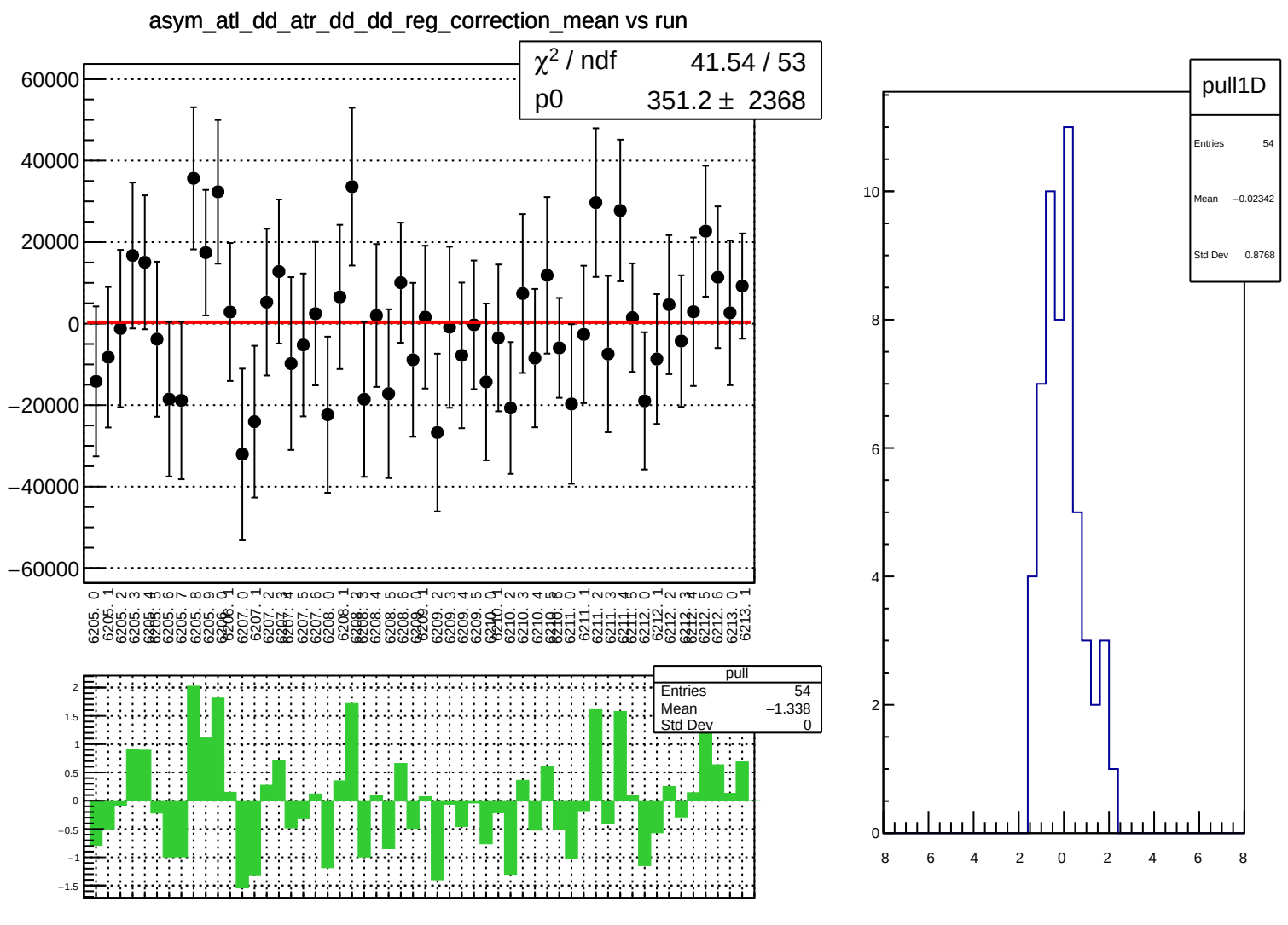

asym_atl_avg_atr_avg_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 56.49 / 53
p0 3.77e−14 ± 7.525e−14
pull
Entries 54
Mean 29.9
Std Dev 24.95
pull1D
Entries 54
Mean −0.07108
Std Dev 1.02

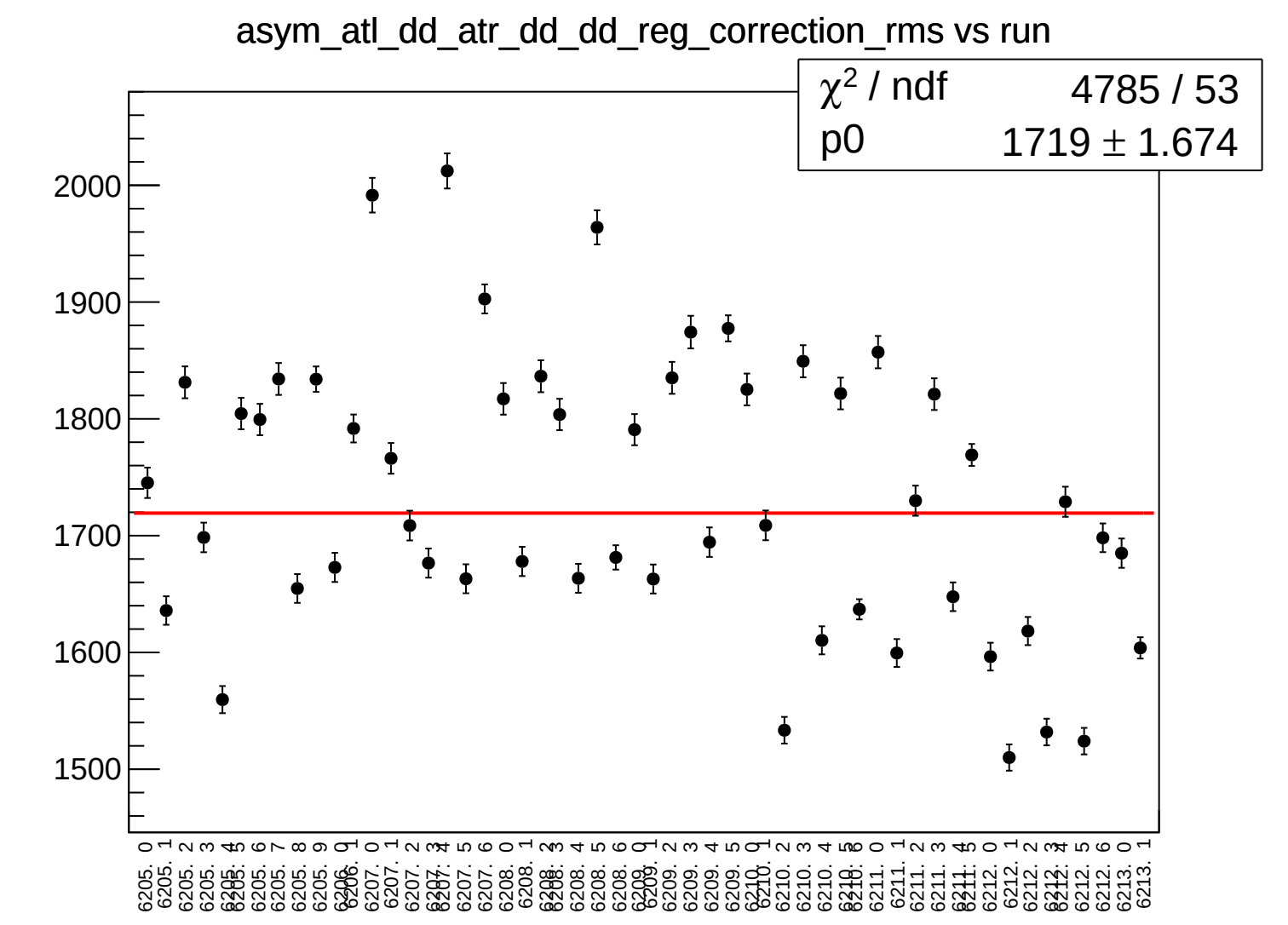

asym_atl_avg_atr_avg_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.277e+05 / 53
p0 3.88e−11 ± 5.321e−14
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

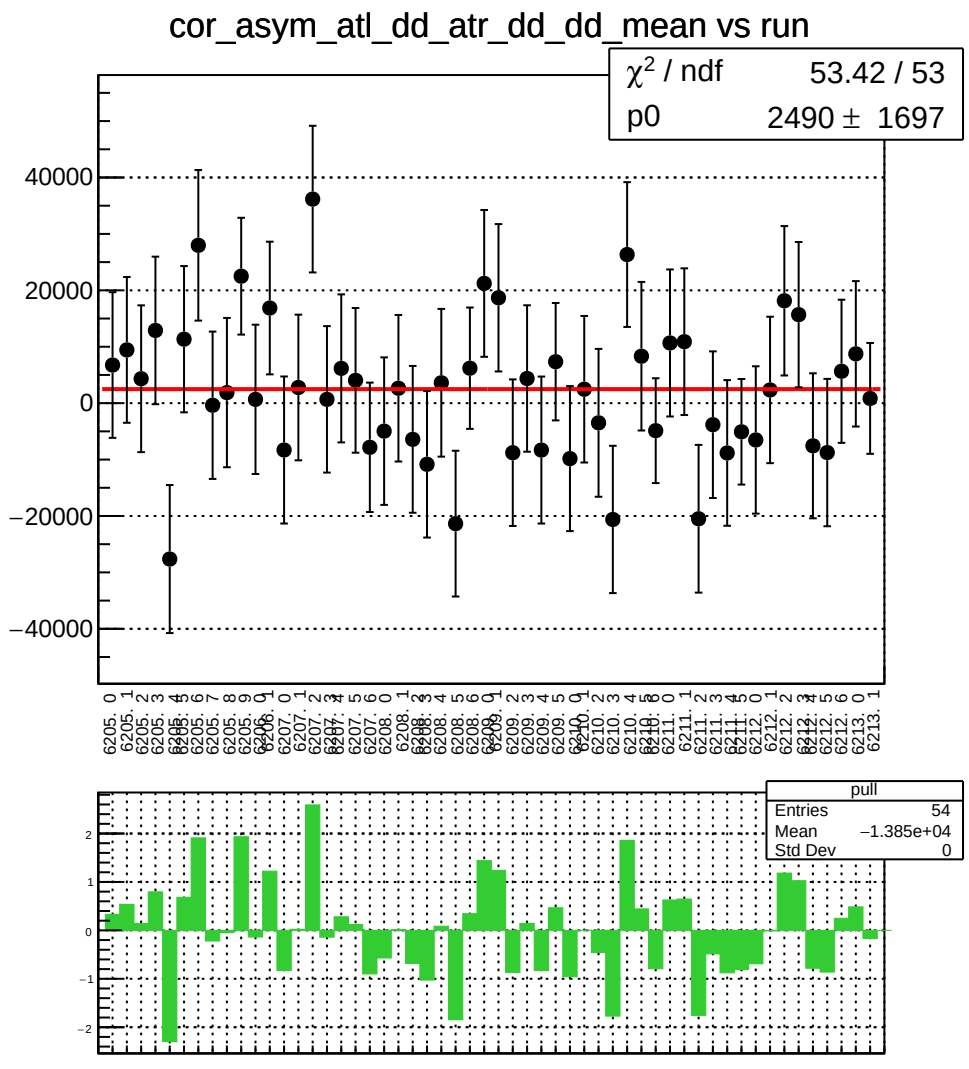

reg_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 53.42 / 53
p0 2490 ± 1697
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −1.389e+04
Std Dev 0
2
1
0
−1
−2

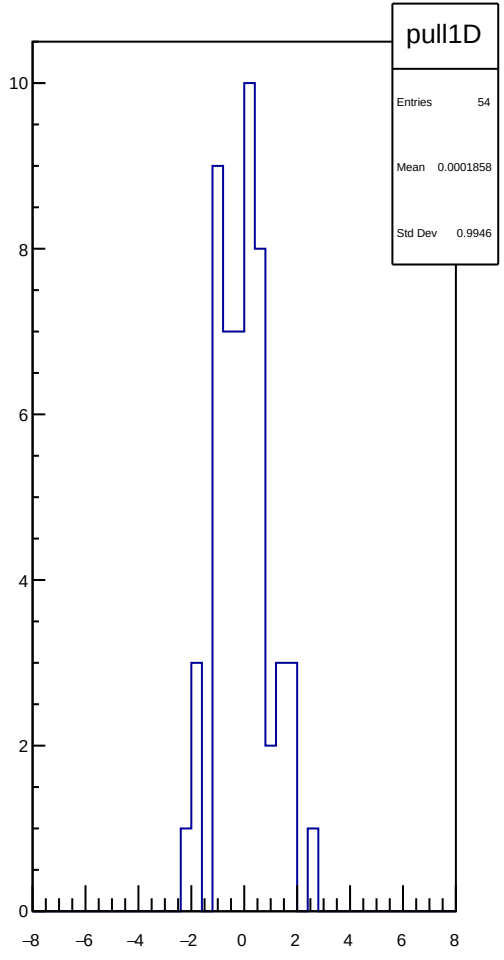

pull1D
Entries 54
Mean 0.0001853
Std Dev 0.9946
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

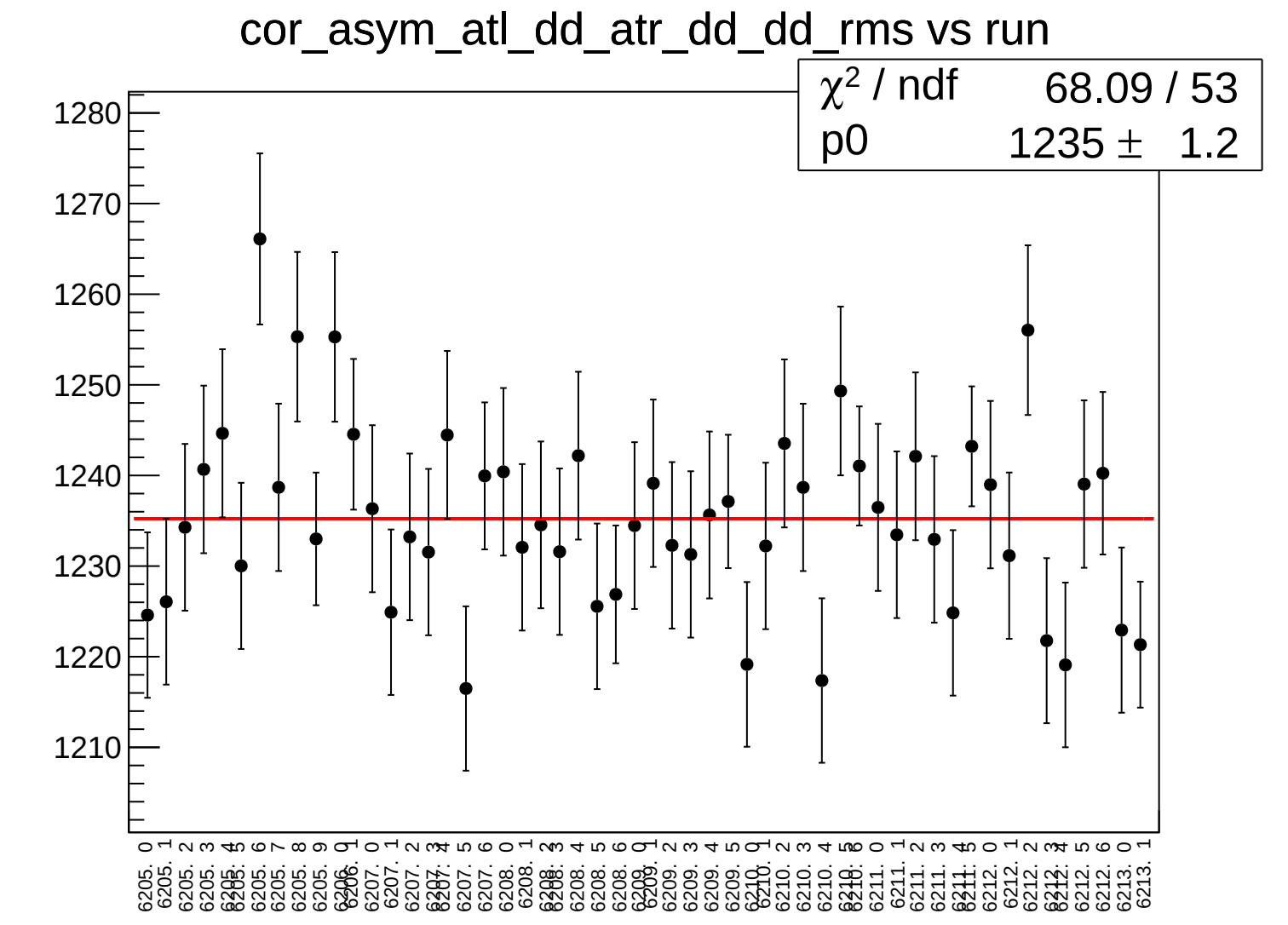

reg_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 68.09 / 53
p0 1235 ± 1.2
1280
1270
1260
1250
1240
1230
1220
1210
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

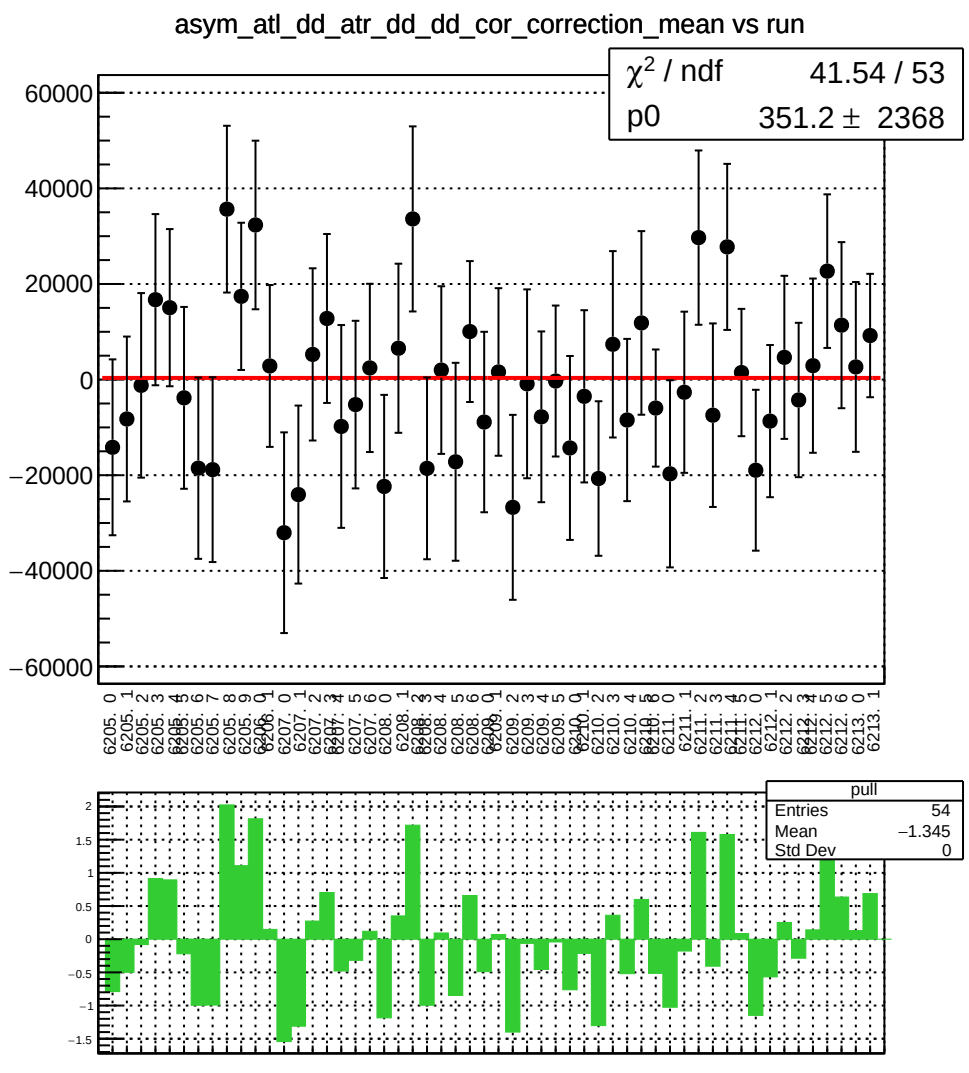

asym_atl_dd_atr_dd_dd_reg_correction_mean vs run
χ² / ndf 41.54 / 53
p0 351.2 ± 2368
pull
Entries 54
Mean −1.338
Std Dev 0
pull1D
Entries 54
Mean −0.02342
Std Dev 0.8768

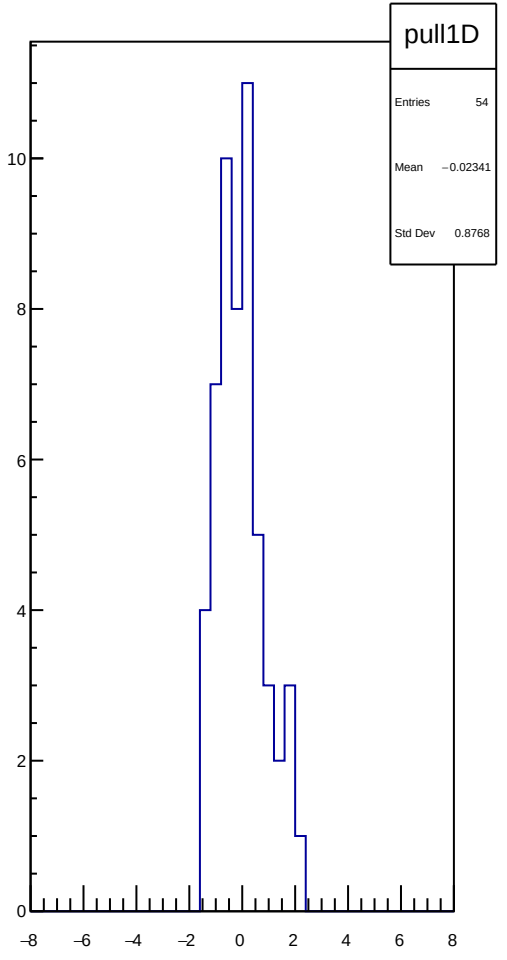

asym_atl_dd_atr_dd_dd_reg_correction_rms vs run
χ² / ndf 4785 / 53
p0 1719 ± 1.674
2000
1900
1800
1700
1600
1500
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

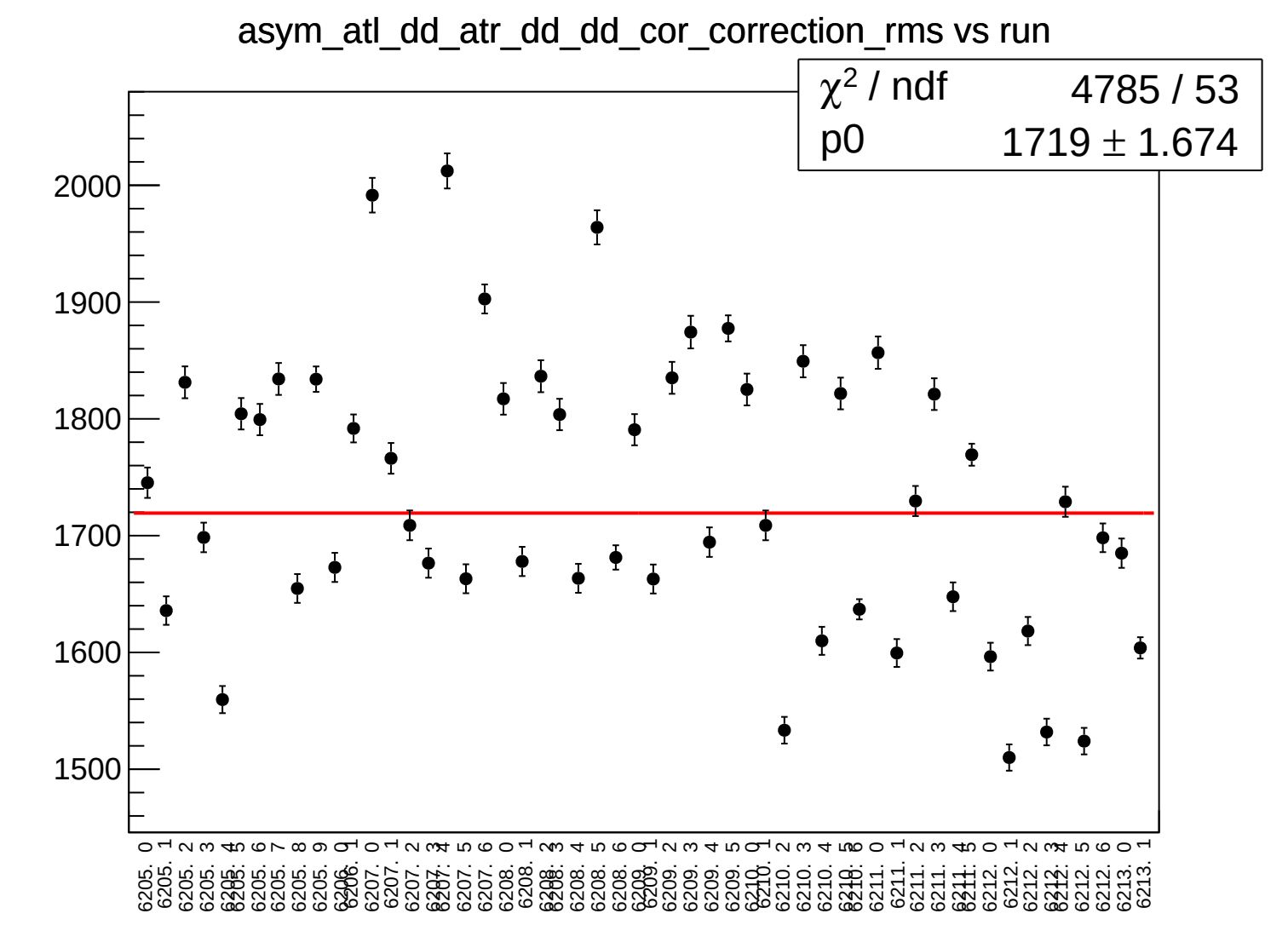

cor_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 53.42 / 53
p0 2490 ± 1697
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −1.385e+04
Std Dev 0
2
1
0
−1
−2

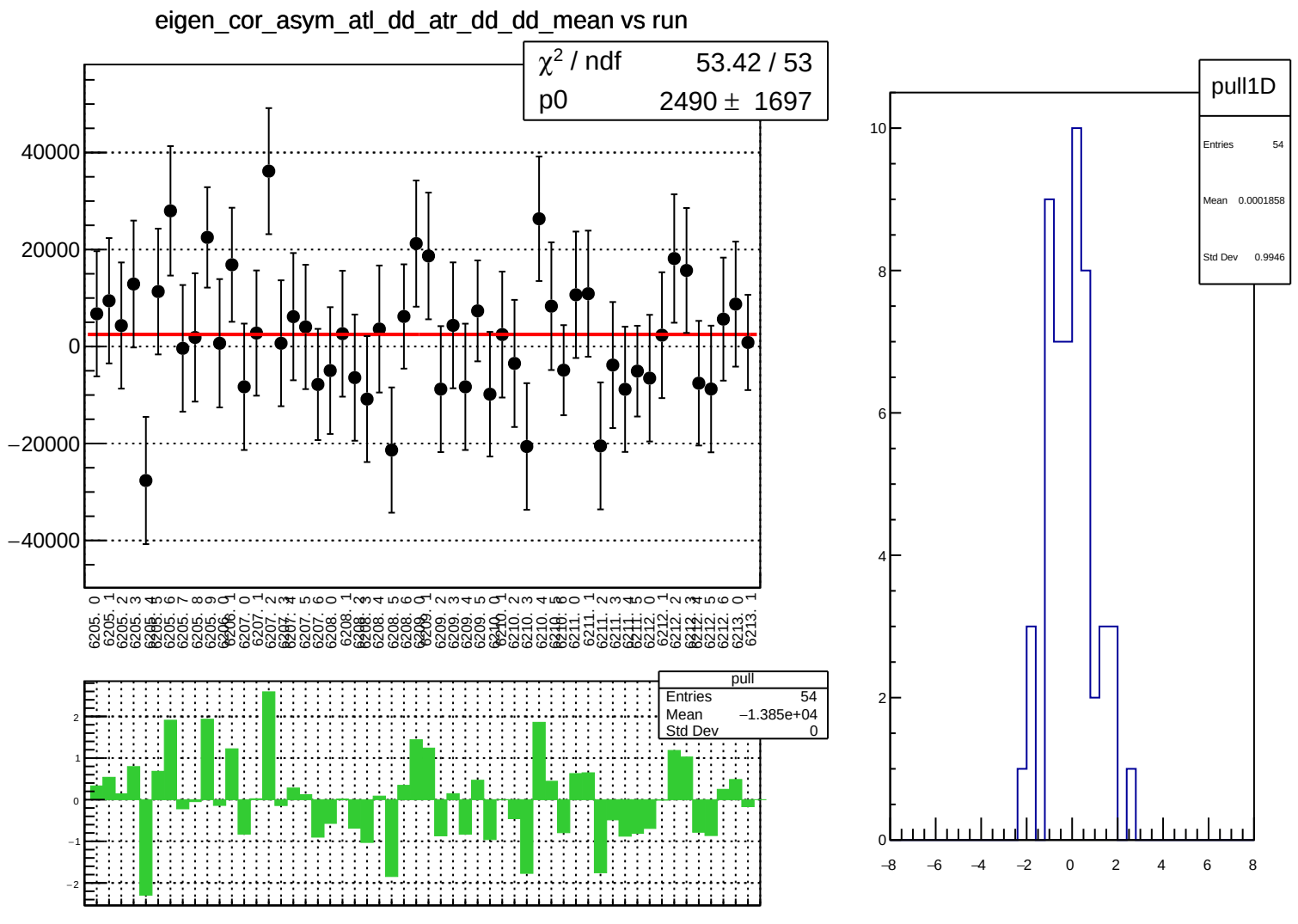

pull1D
Entries 54
Mean 0.0001858
Std Dev 0.9946
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

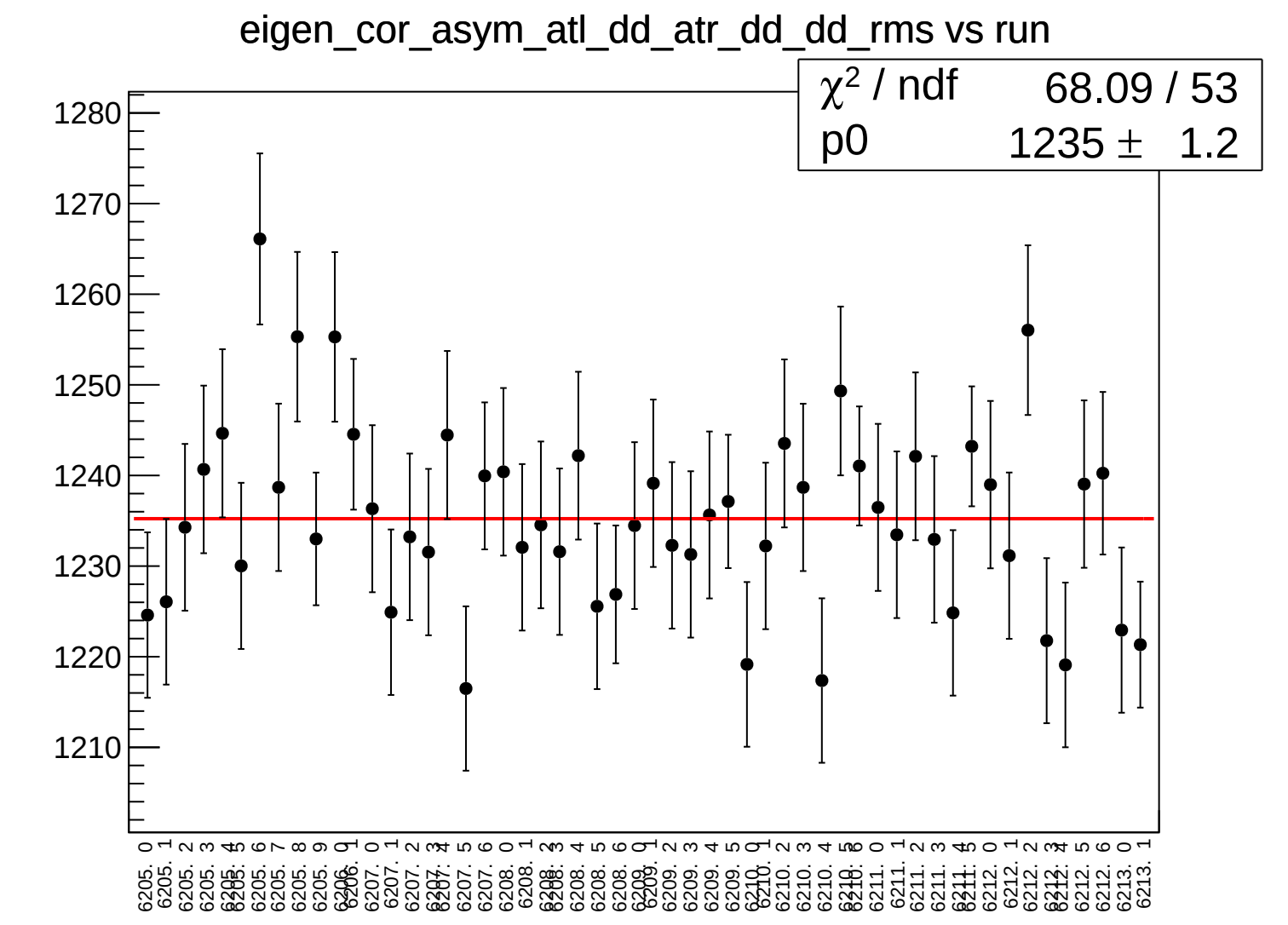

cor_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 68.09 / 53
p0 1235 ± 1.2
1280
1270
1260
1250
1240
1230
1220
1210
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_atl_dd_atr_dd_dd_cor_correction_mean vs run
χ² / ndf 41.54 / 53
p0 351.2 ± 2368
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean −1.345
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 54
Mean −0.02341
Std Dev 0.8768
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl_dd_atr_dd_dd_cor_correction_rms vs run
χ² / ndf 4785 / 53
p0 1719 ± 1.674
2000
1900
1800
1700
1600
1500
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


eigen_cor_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 53.42 / 53
p0 2490 ± 1697
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −1.385e+04
Std Dev 0
pull1D
Entries 54
Mean 0.0001858
Std Dev 0.9946


eigen_cor_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 68.09 / 53
p0 1235 ± 1.2
1280
1270
1260
1250
1240
1230
1220
1210
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
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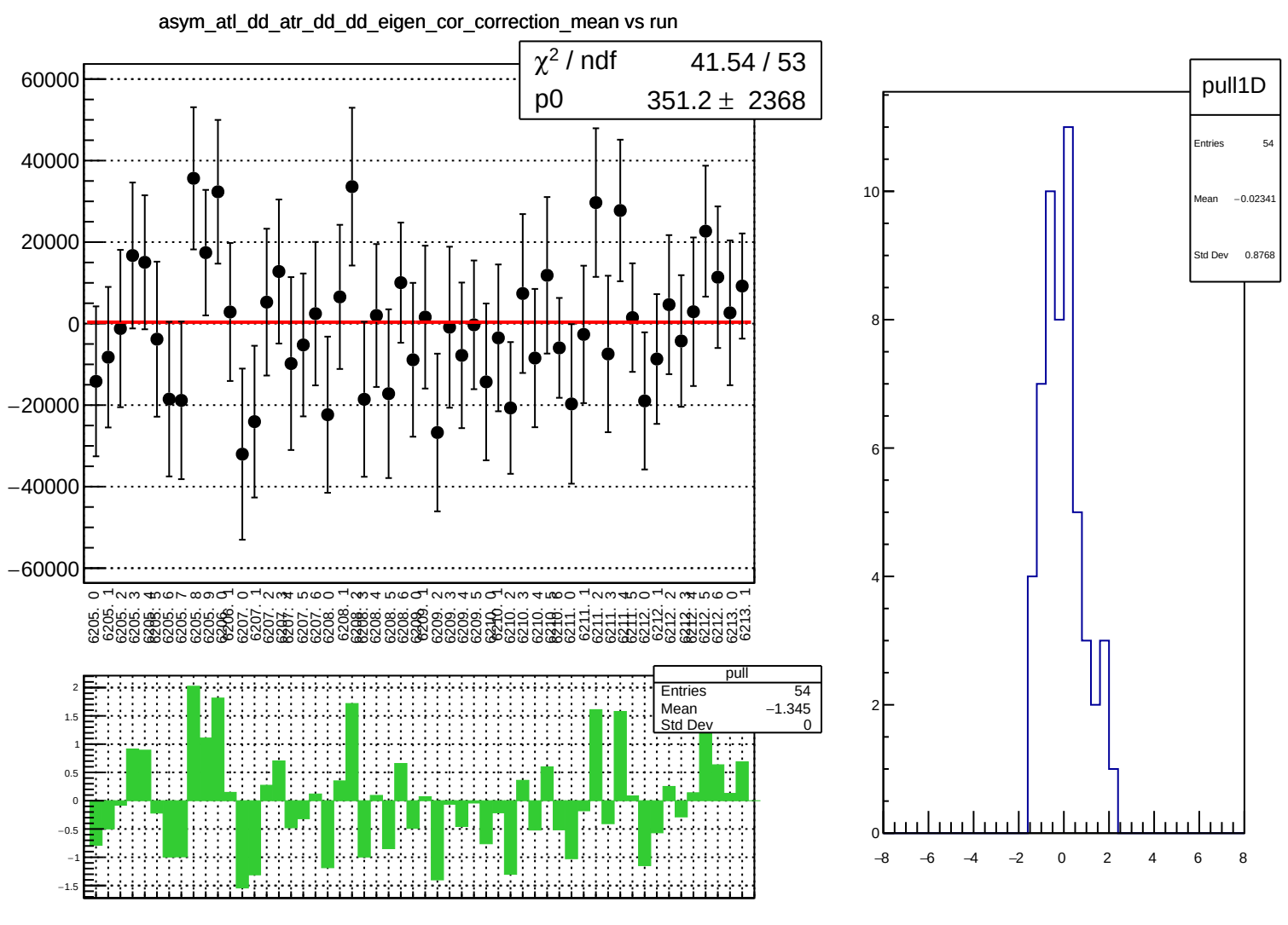
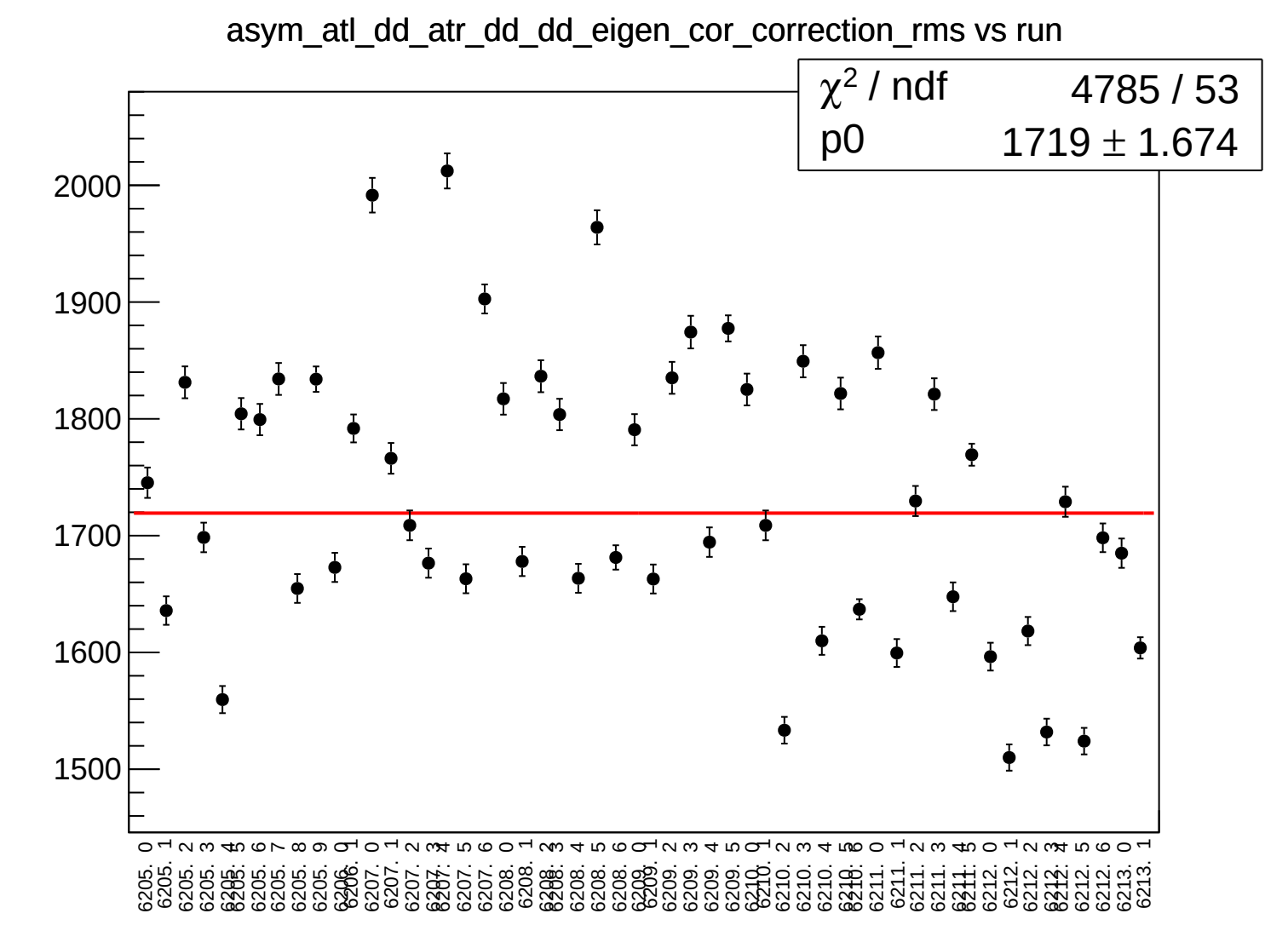
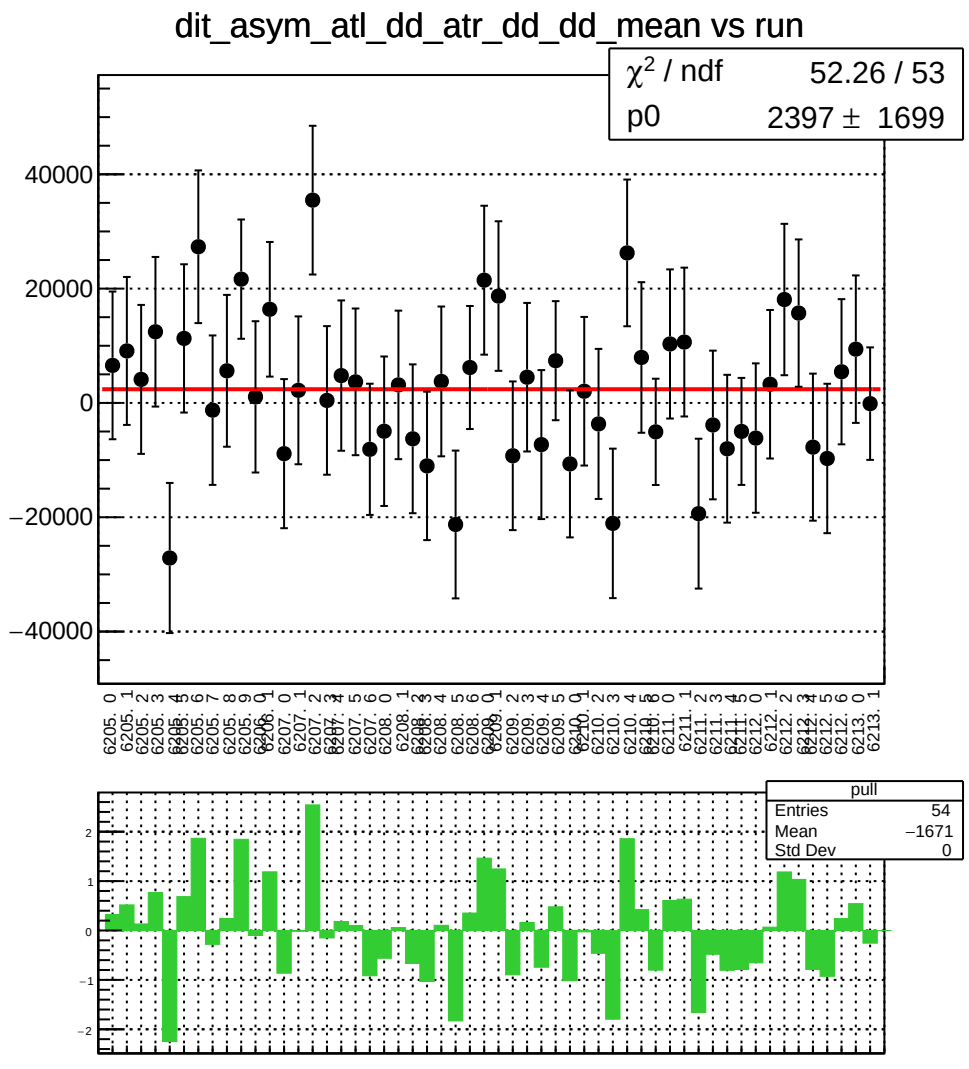
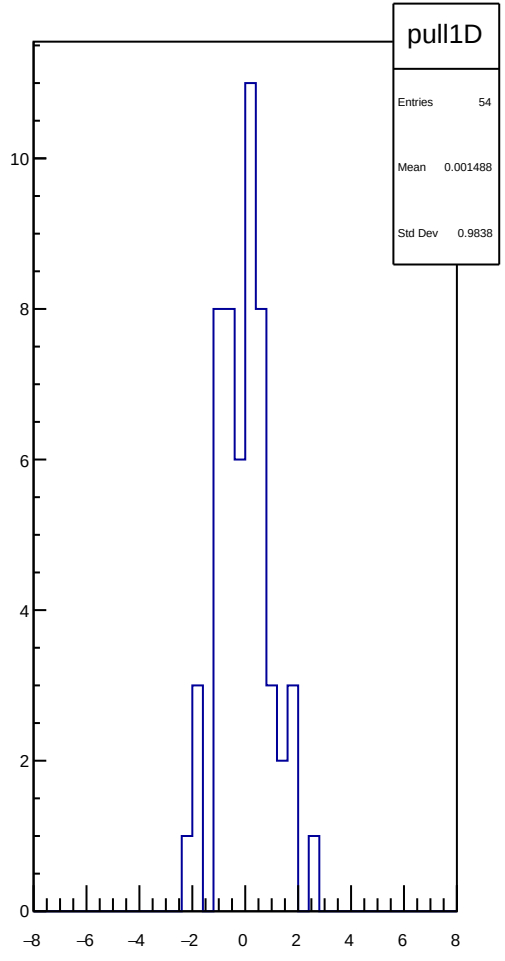
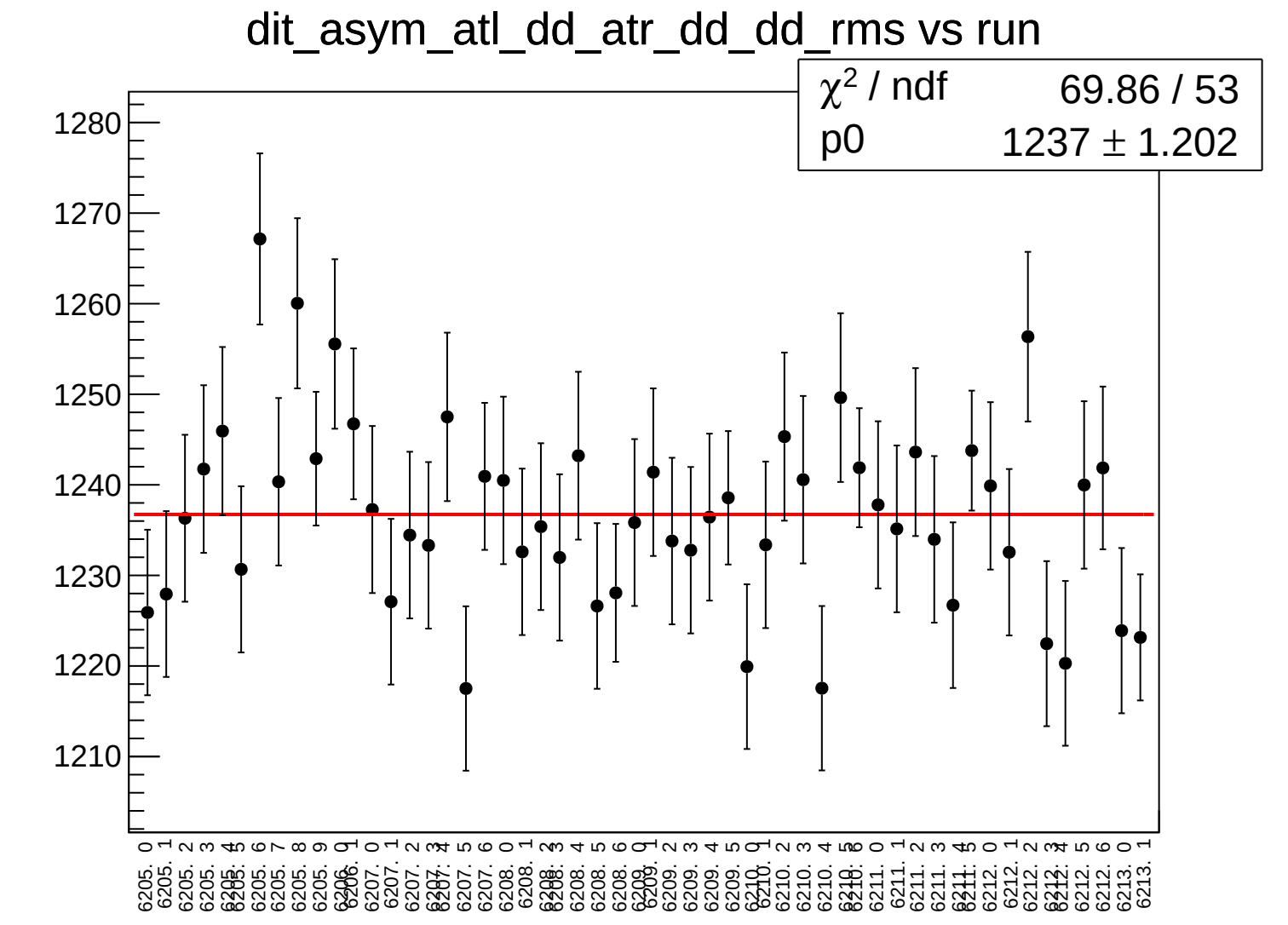
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 5
6212. 6
6213. 0
6213. 1


asym_atl_dd_atr_dd_dd_eigen_cor_correction_mean vs run
χ² / ndf 41.54 / 53
p0 351.2 ± 2368
pull
Entries 54
Mean −1.345
Std Dev 0
pull1D
Entries 54
Mean −0.02341
Std Dev 0.8768


asym_atl_dd_atr_dd_dd_eigen_cor_correction_rms vs run
χ² / ndf 4785 / 53
p0 1719 ± 1.674
2000
1900
1800
1700
1600
1500
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 52.26 / 53
p0 2397 ± 1699
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −1671
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 54
Mean 0.001488
Std Dev 0.9838
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 69.86 / 53
p0 1237 ± 1.202
1280
1270
1260
1250
1240
1230
1220
1210
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
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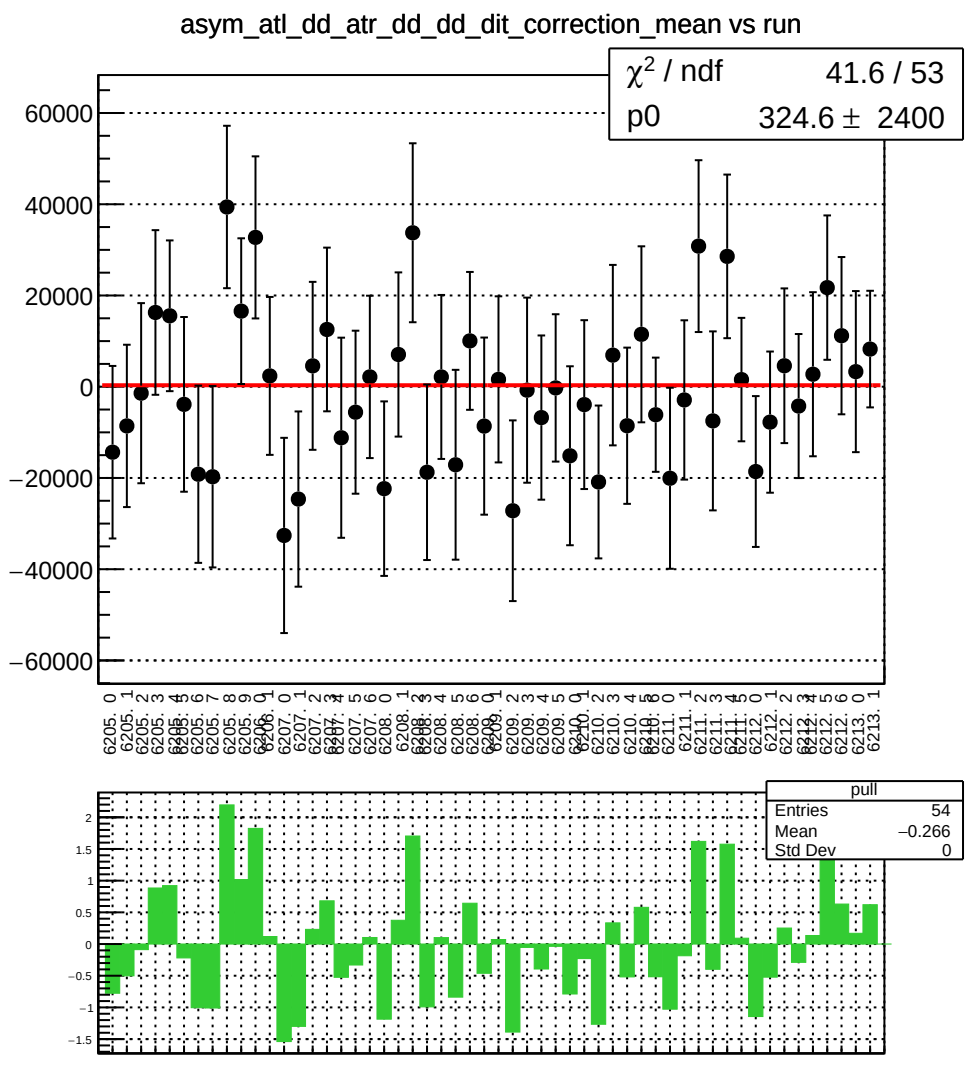
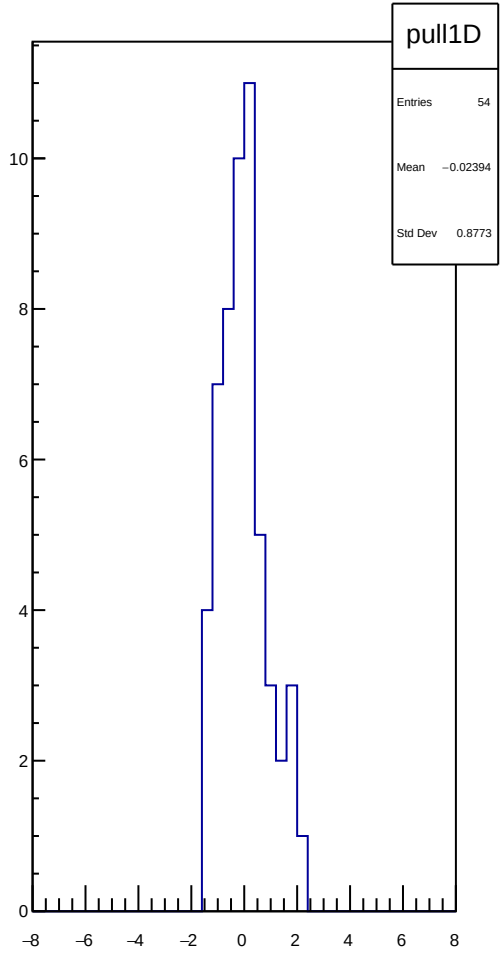
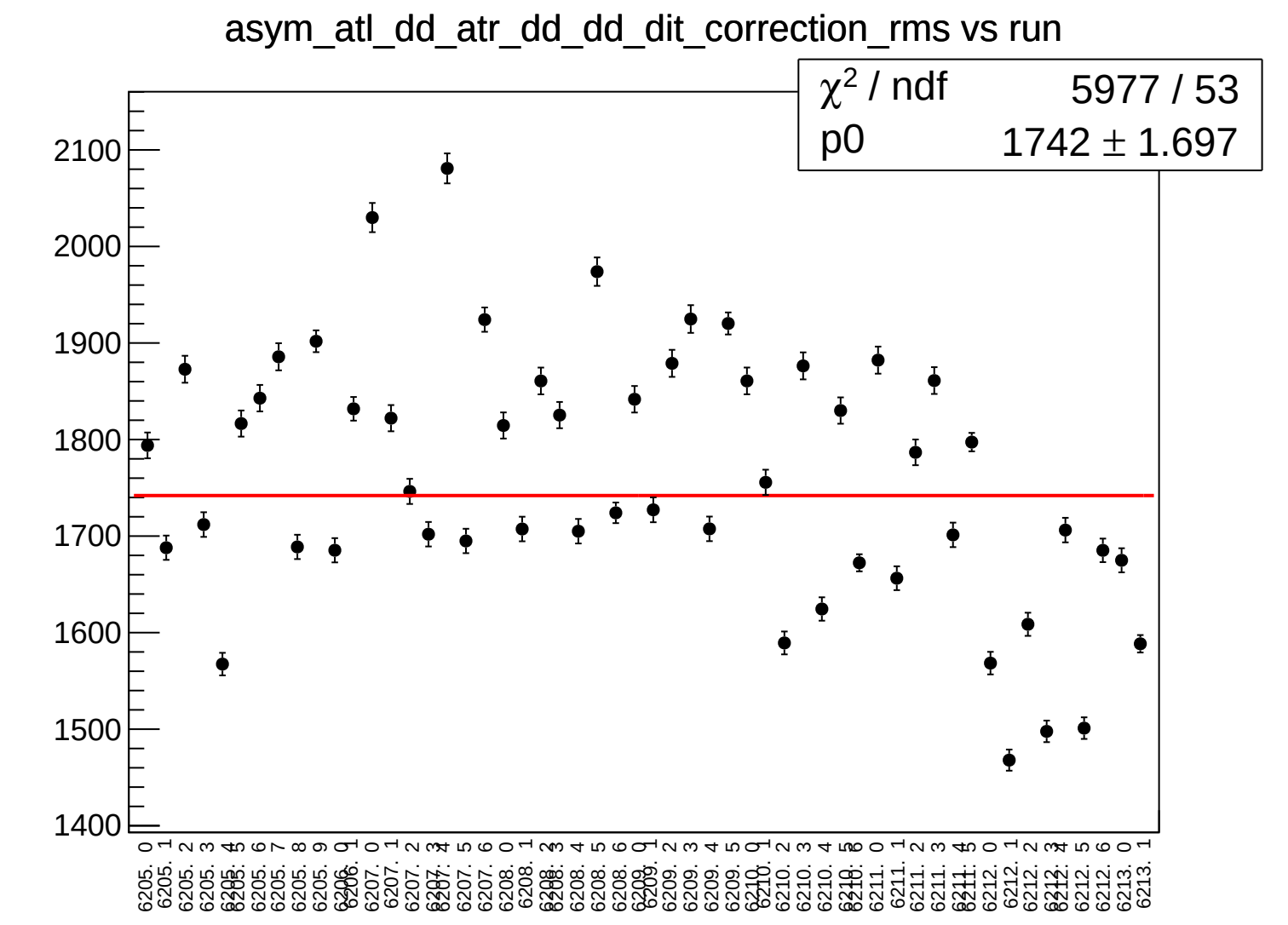
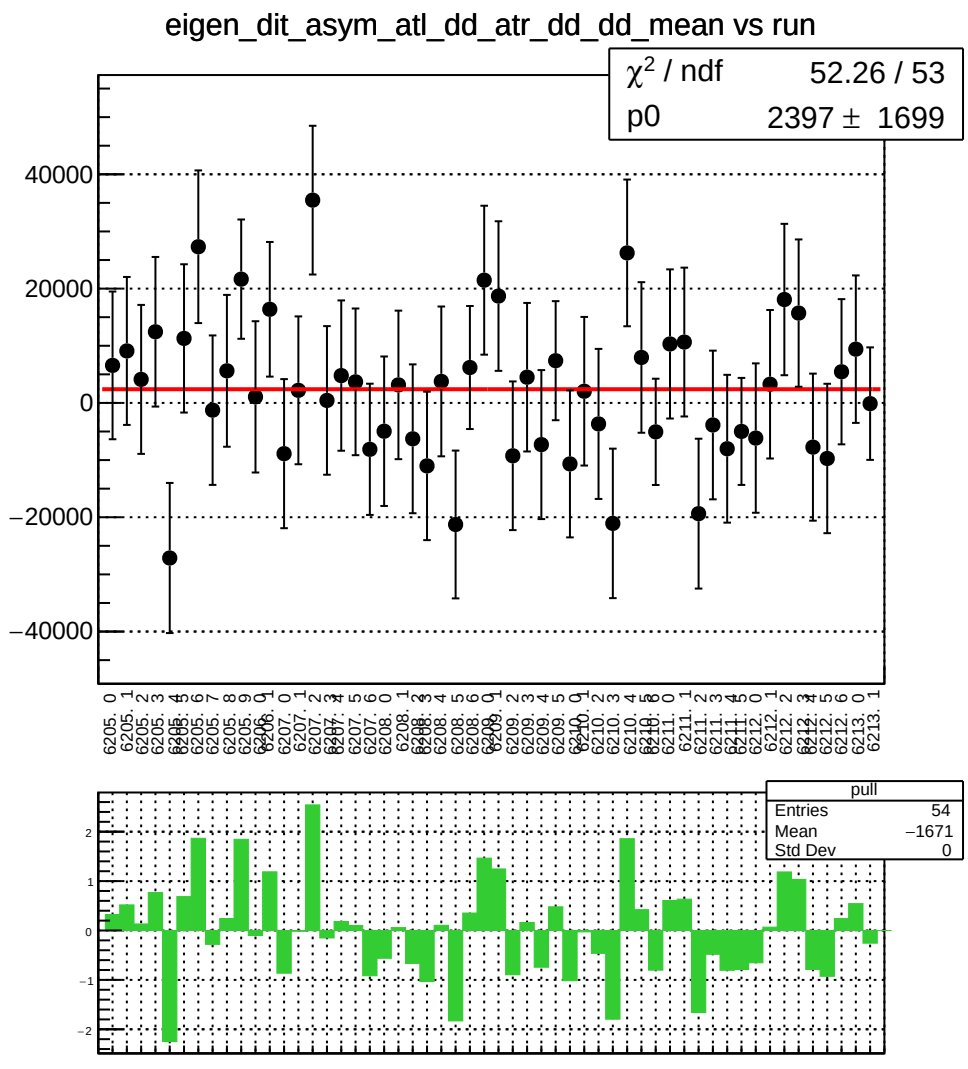
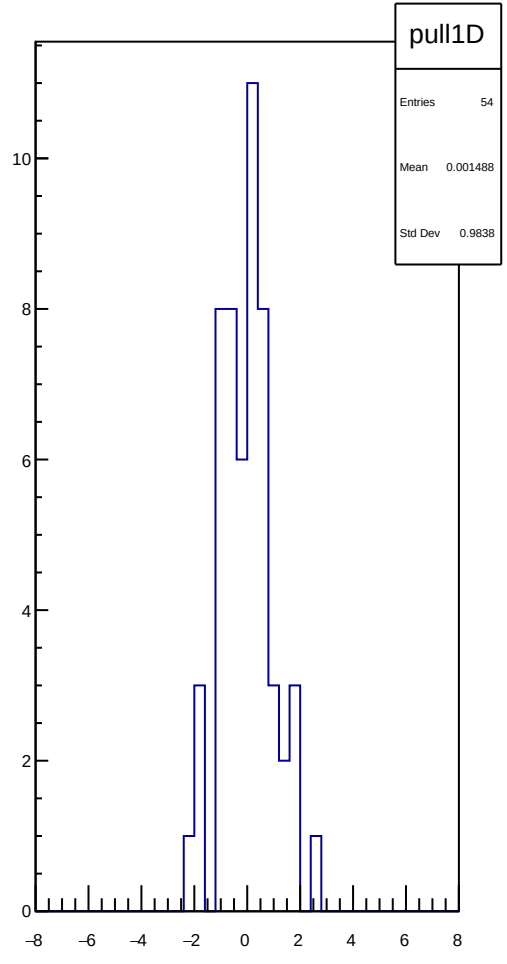
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

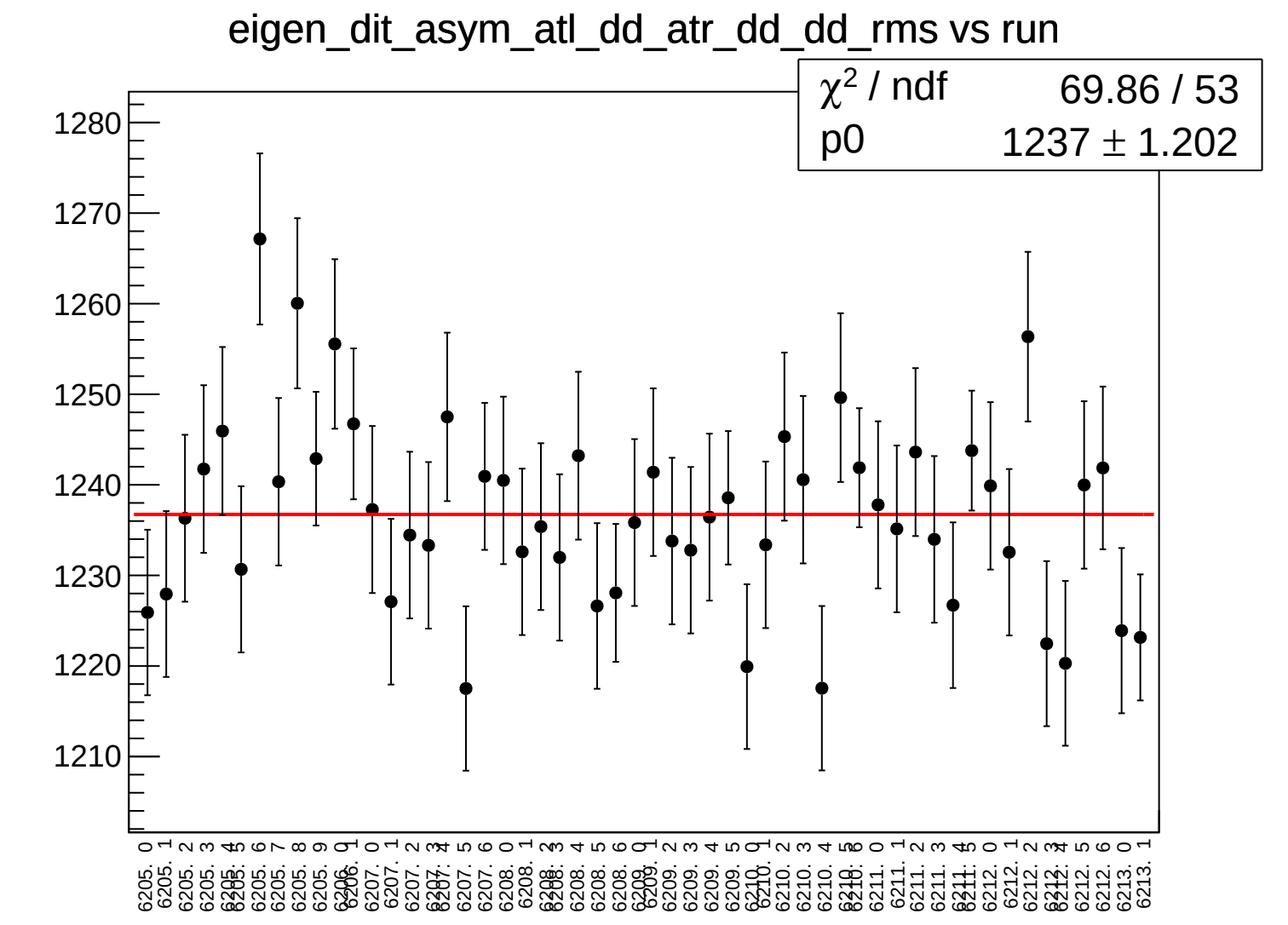

asym_atl_dd_atr_dd_dd_dit_correction_mean vs run
χ² / ndf 41.6 / 53
p0 324.6 ± 2400
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean −0.266
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 54
Mean −0.02394
Std Dev 0.8773
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl_dd_atr_dd_dd_dit_correction_rms vs run
χ² / ndf 5977 / 53
p0 1742 ± 1.697
2100
2000
1900
1800
1700
1600
1500
1400


eigen_dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 52.26 / 53
p0 2397 ± 1699
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −1671
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 54
Mean 0.001488
Std Dev 0.9838
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
χ^2 / ndf 69.86 / 53
p0 1237 ± 1.202
1280
1270
1260
1250
1240
1230
1220
1210
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
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6212. 4
6212. 5
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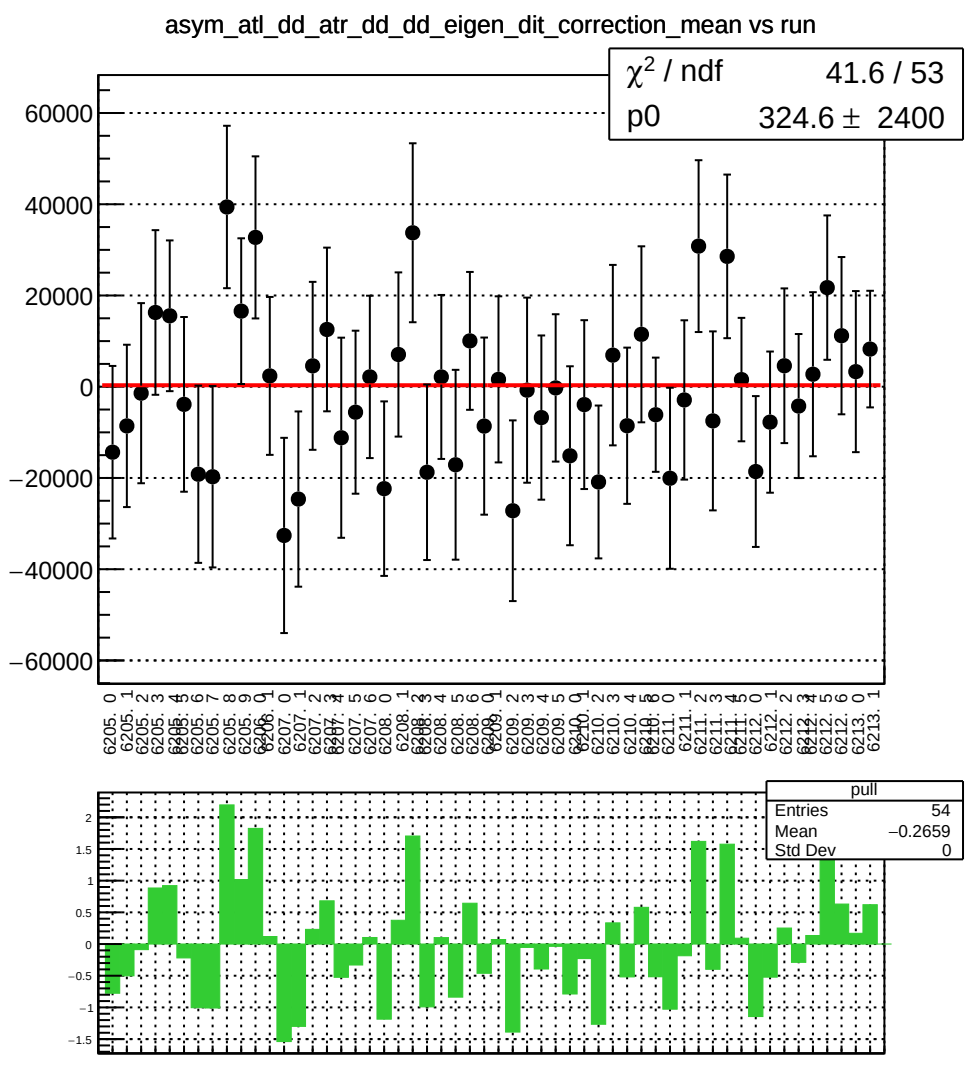
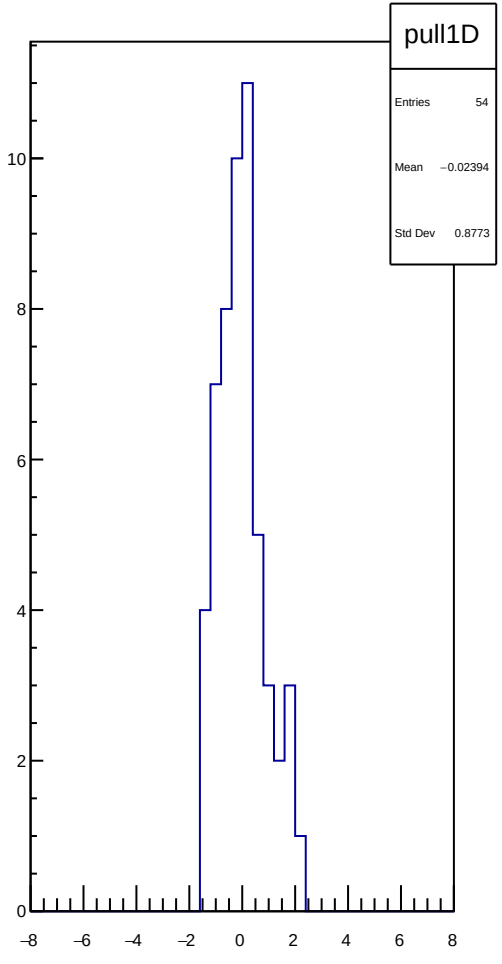
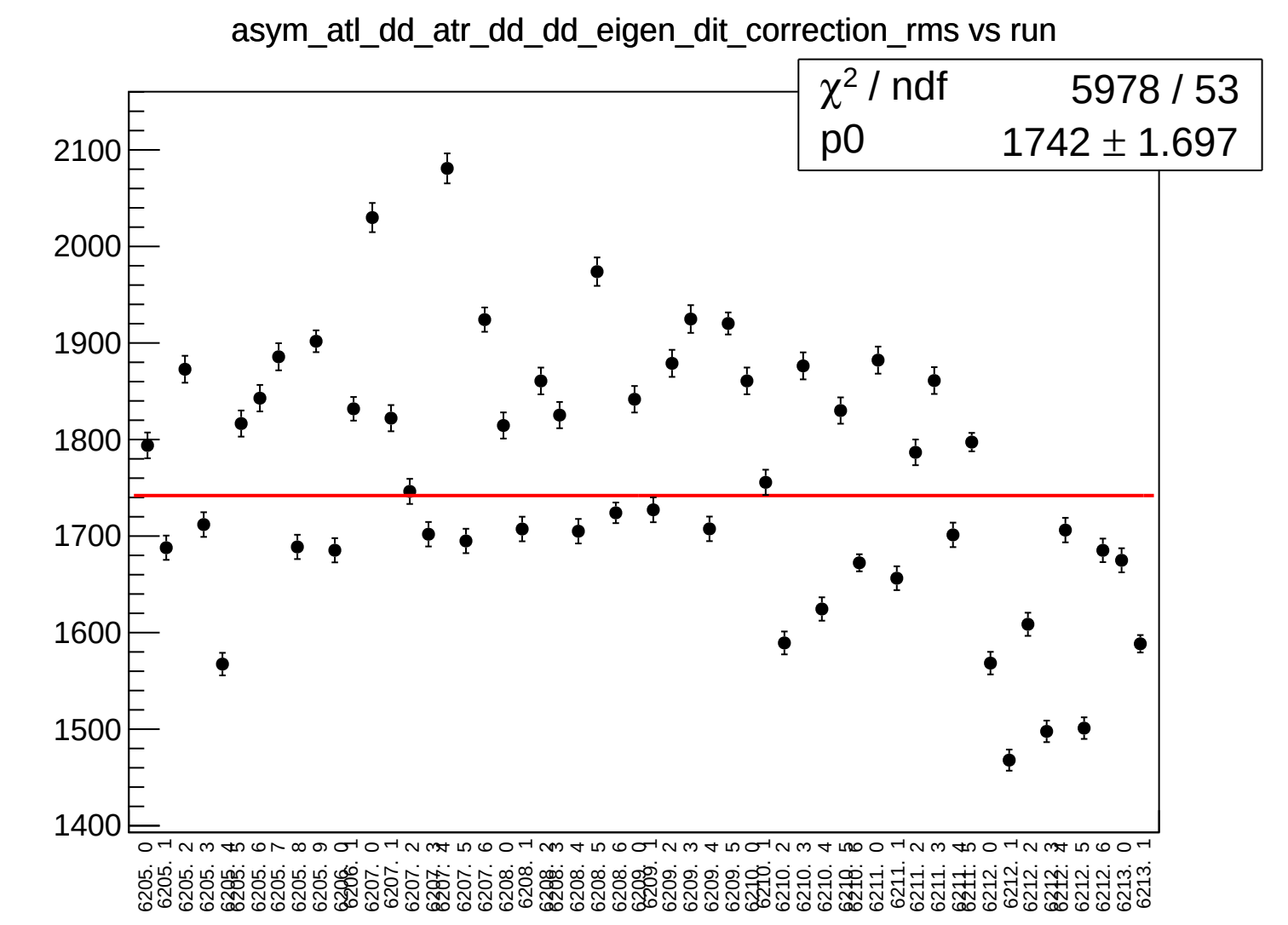
6213. 0
6213. 1


asym_atl_dd_atr_dd_dd_eigen_dit_correction_mean vs run
χ² / ndf 41.6 / 53
p0 324.6 ± 2400
pull
Entries 54
Mean −0.2659
Std Dev 0


pull1D
Entries 54
Mean −0.02394
Std Dev 0.8773


asym_atl_dd_atr_dd_dd_eigen_dit_correction_rms vs run
χ² / ndf 5978 / 53
p0 1742 ± 1.697
2100
2000
1900
1800
1700
1600
1500
1400
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
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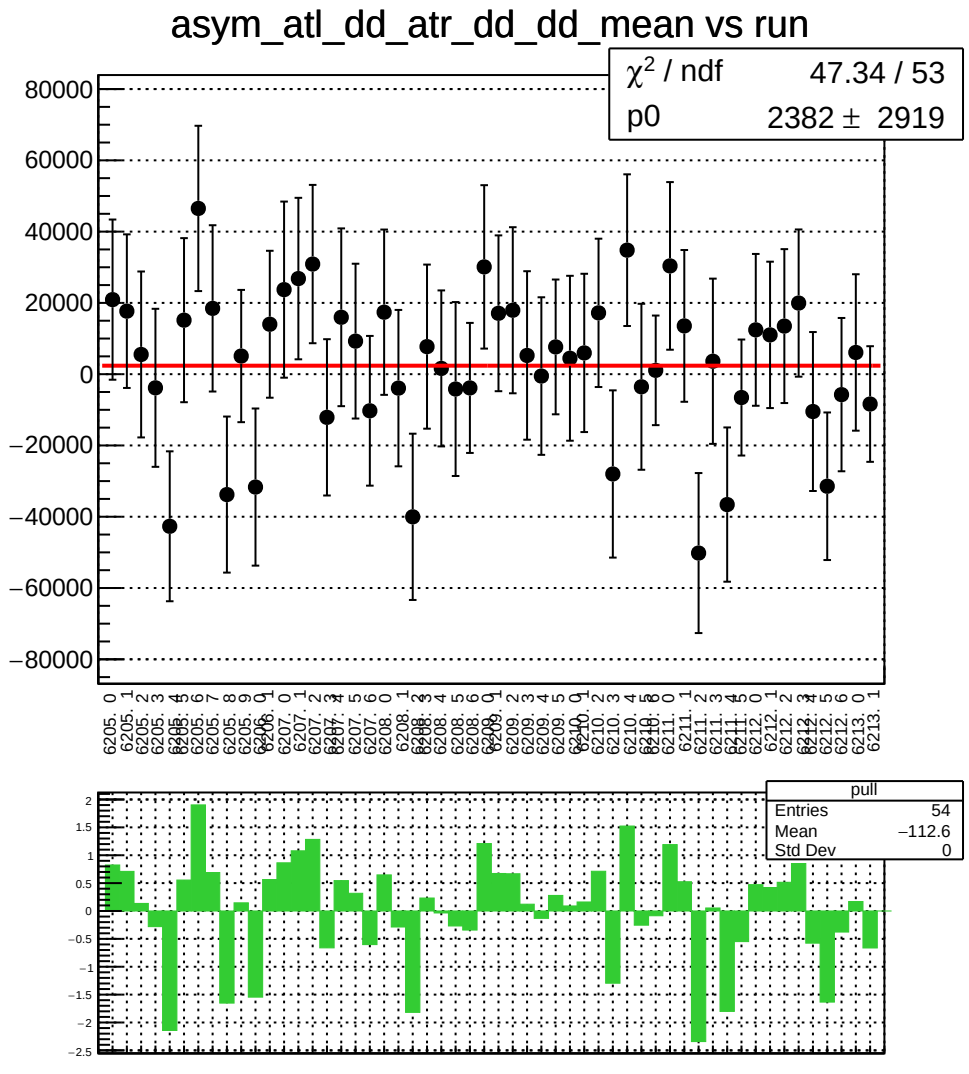
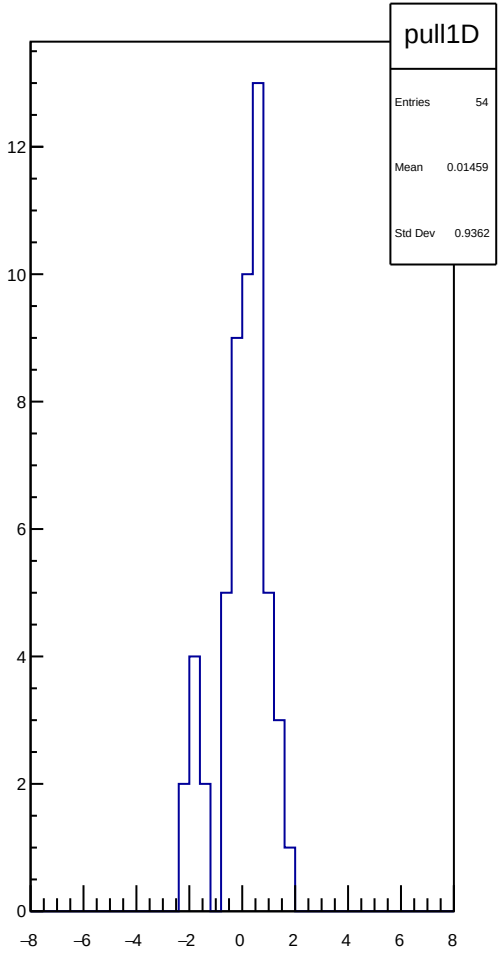
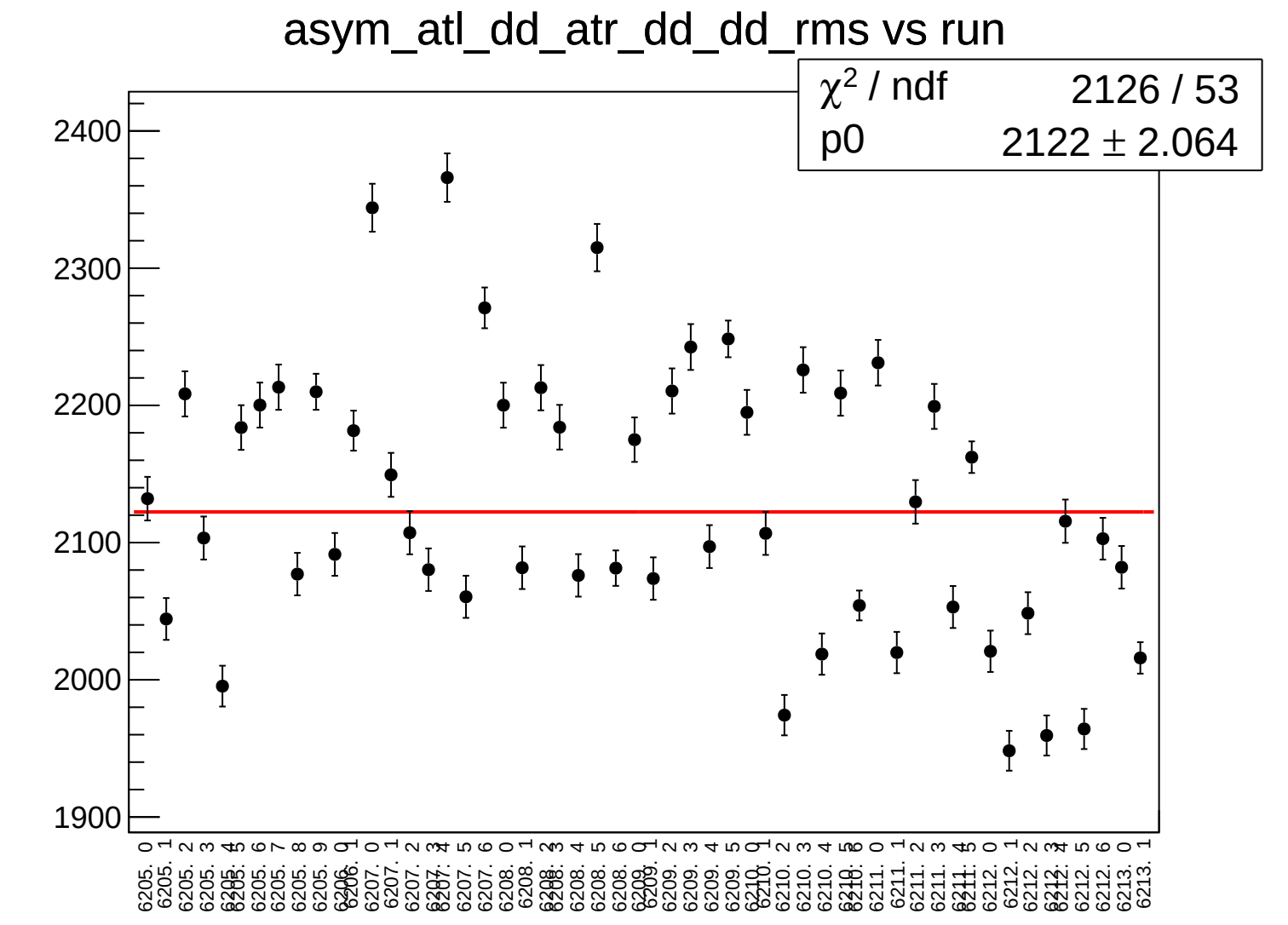
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 47.34 / 53
p0 2382 ± 2919
pull
Entries 54
Mean −112.6
Std Dev 0


pull1D
Entries 54
Mean 0.01459
Std Dev 0.9362


asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 2126 / 53
p0 2122 ± 2.064
2400
2300
2200
2100
2000
1900
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
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6208. 2
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6210. 2
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6210. 4
6210. 5
6210. 6
6211. 0
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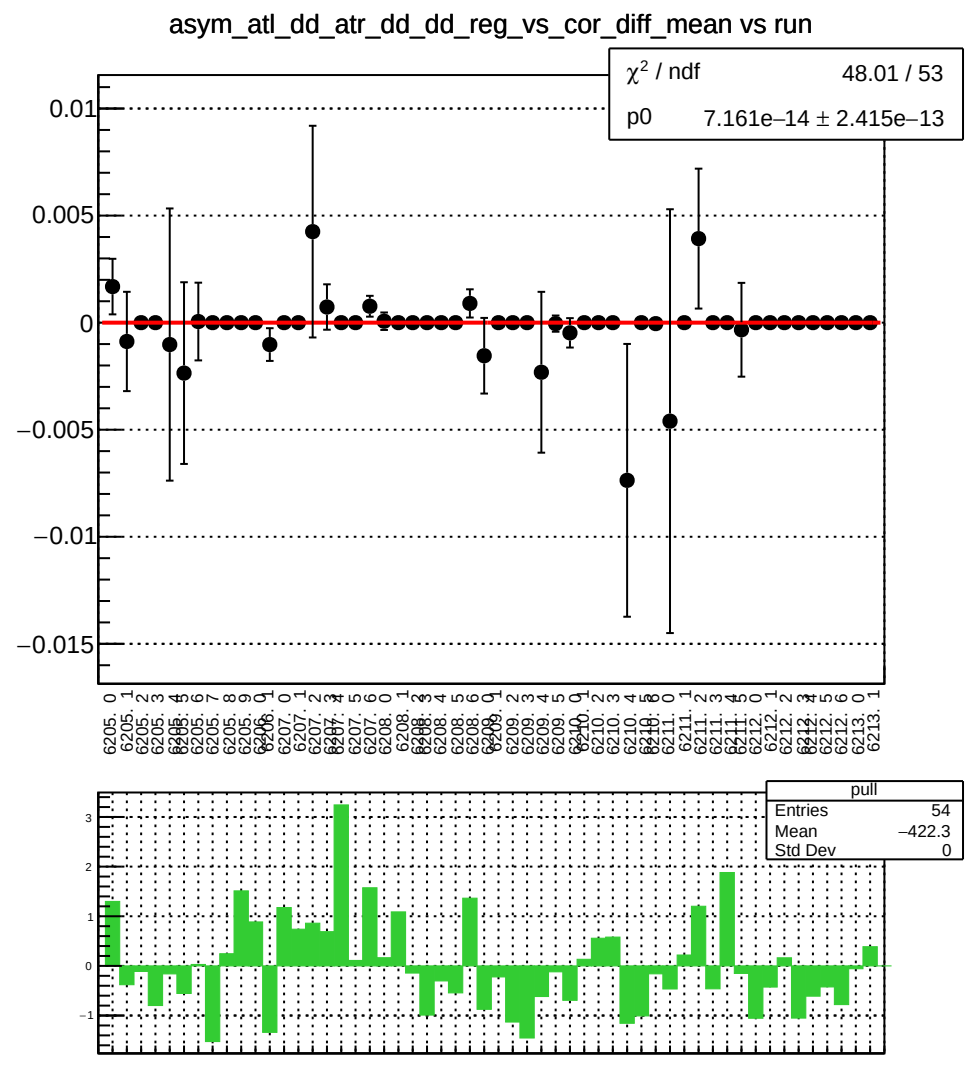
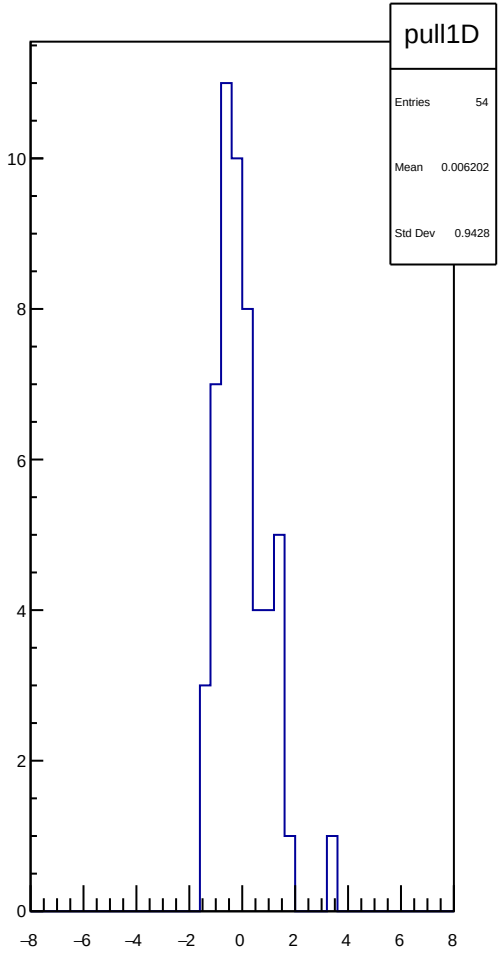
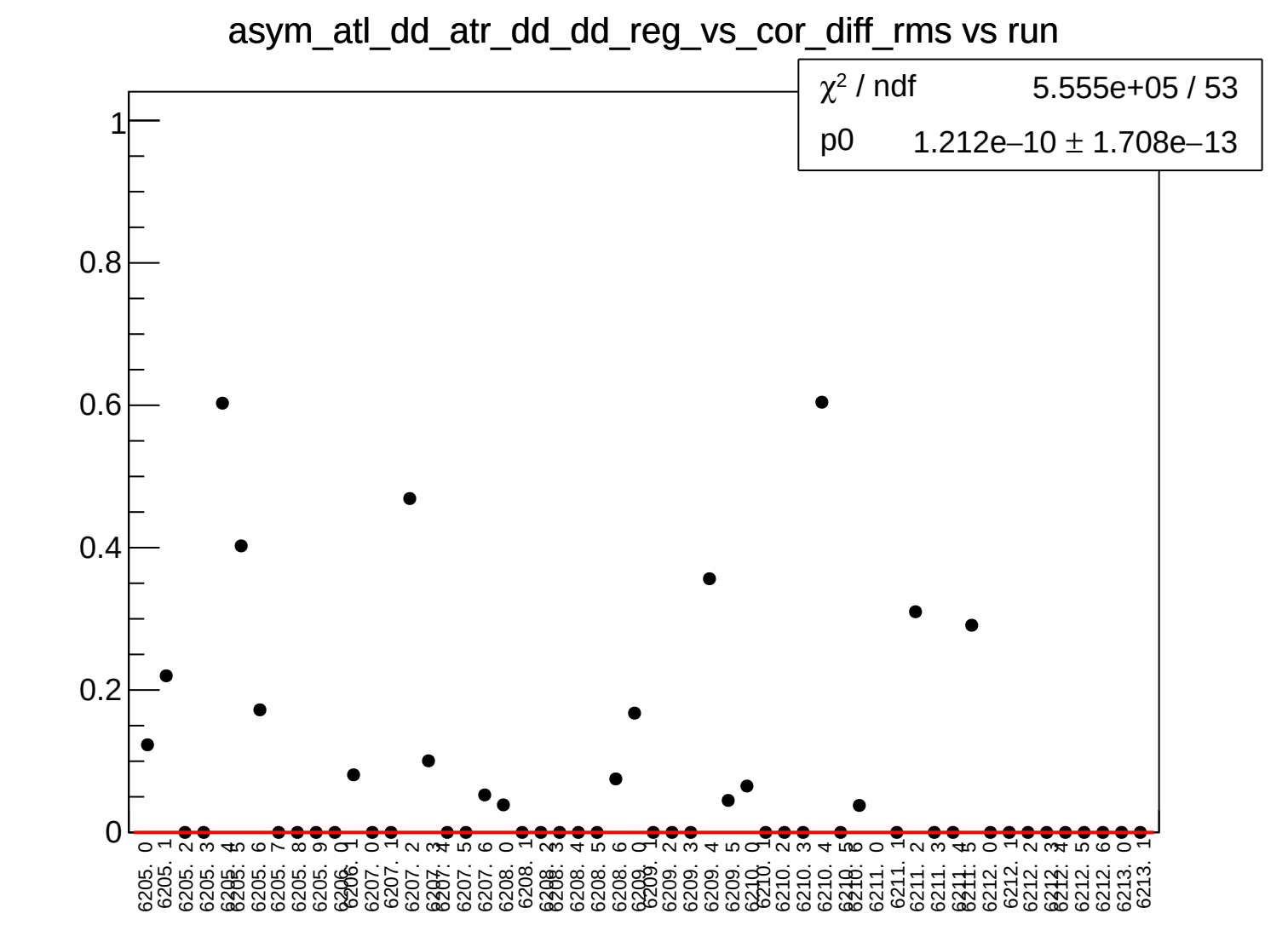
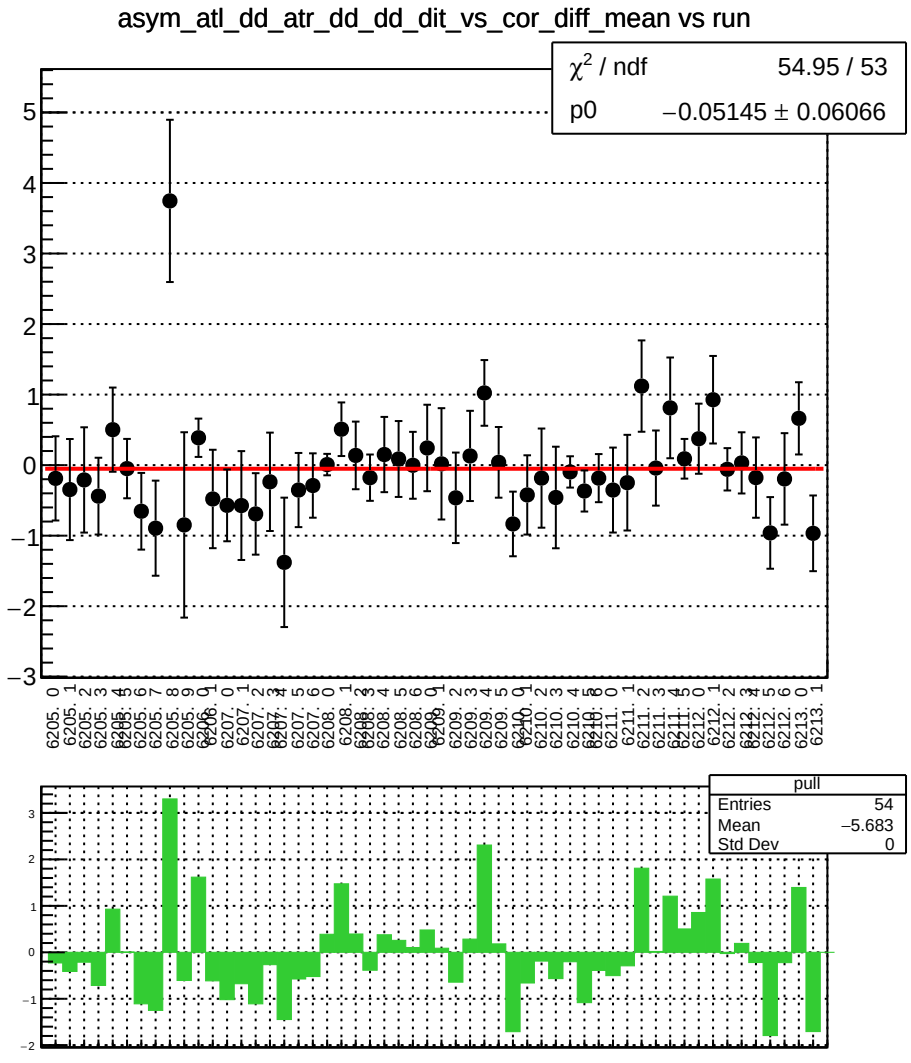
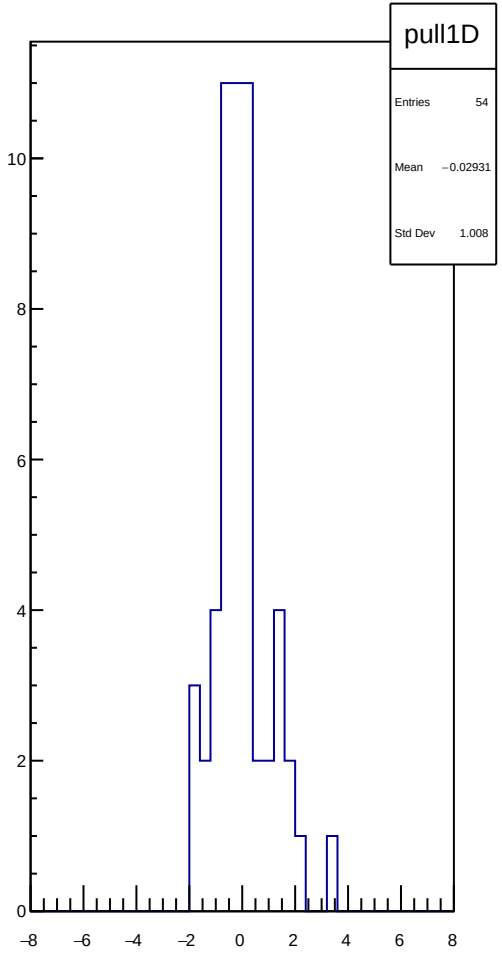
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

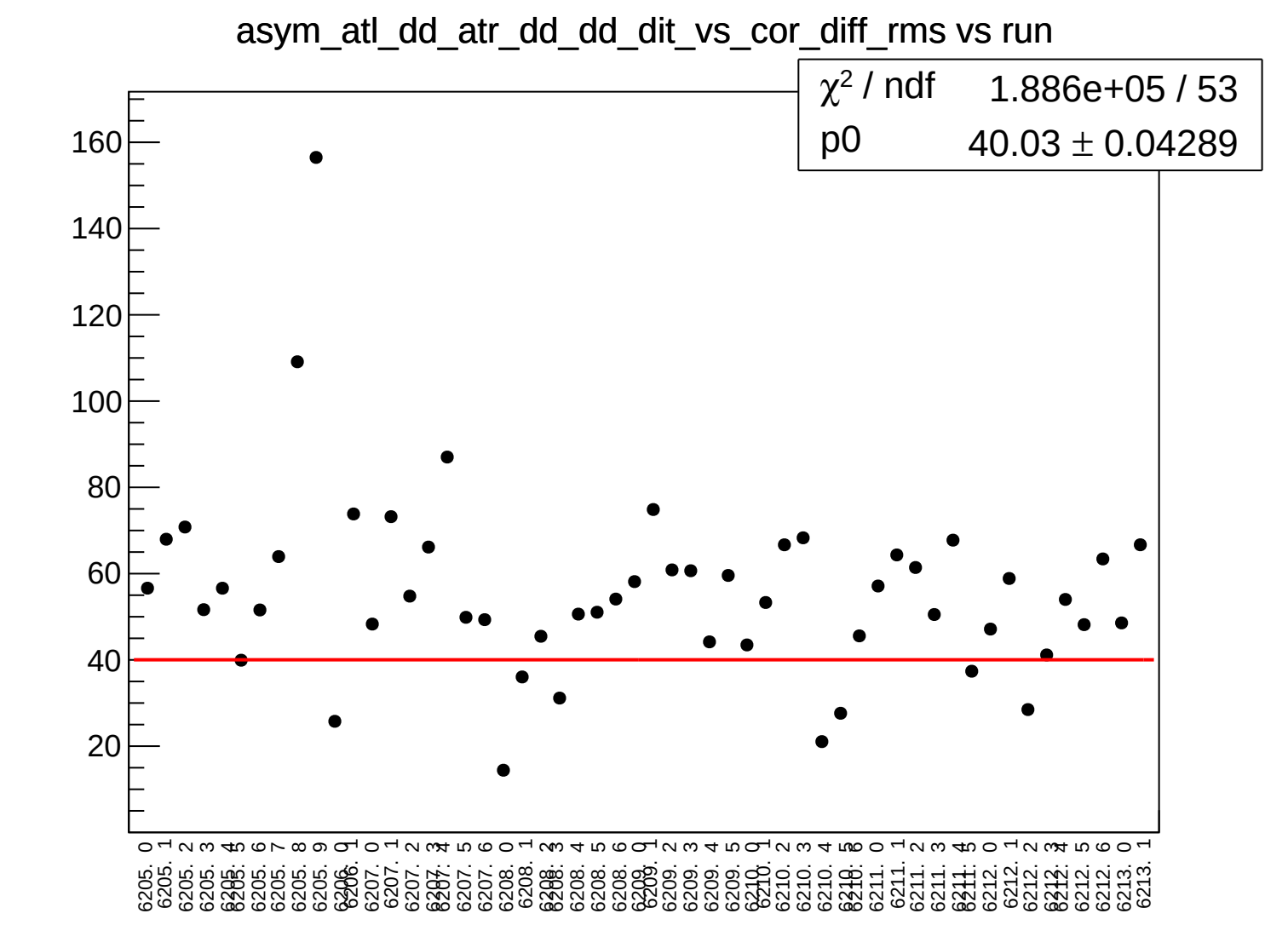

asym_atl_dd_atr_dd_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 48.01 / 53
p0 7.161e−14 ± 2.415e−13
pull
Entries 54
Mean −422.3
Std Dev 0

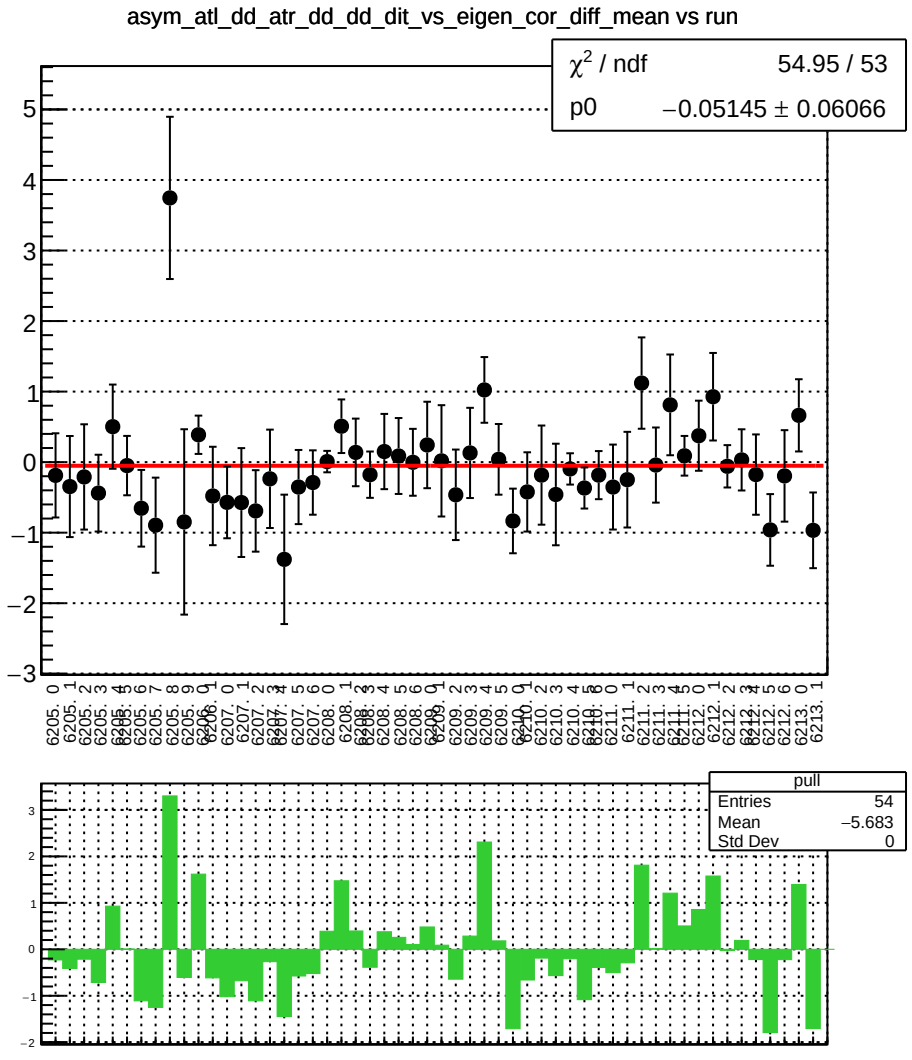

pull1D
Entries 54
Mean 0.006202
Std Dev 0.9428

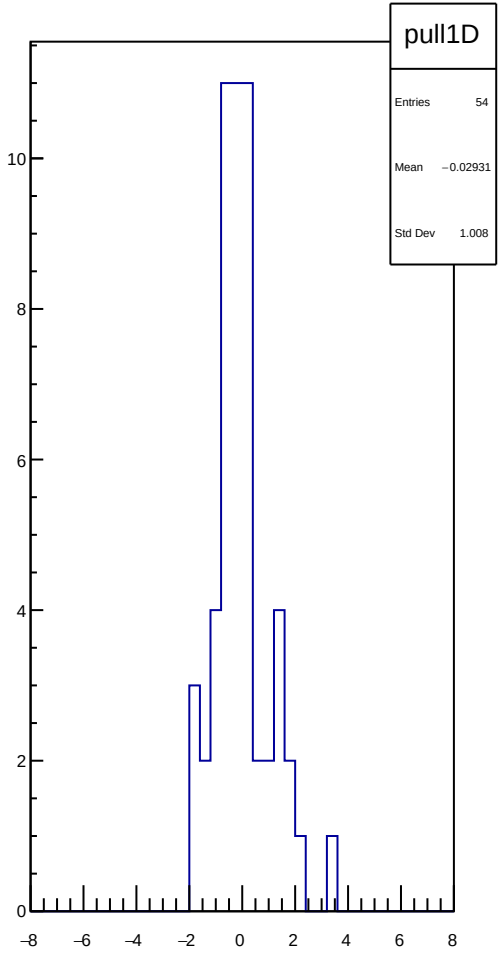

asym_atl_dd_atr_dd_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.555e+05 / 53
p0 1.212e−10 ± 1.708e−13
1
0.8
0.6
0.4
0.2
0
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 0
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

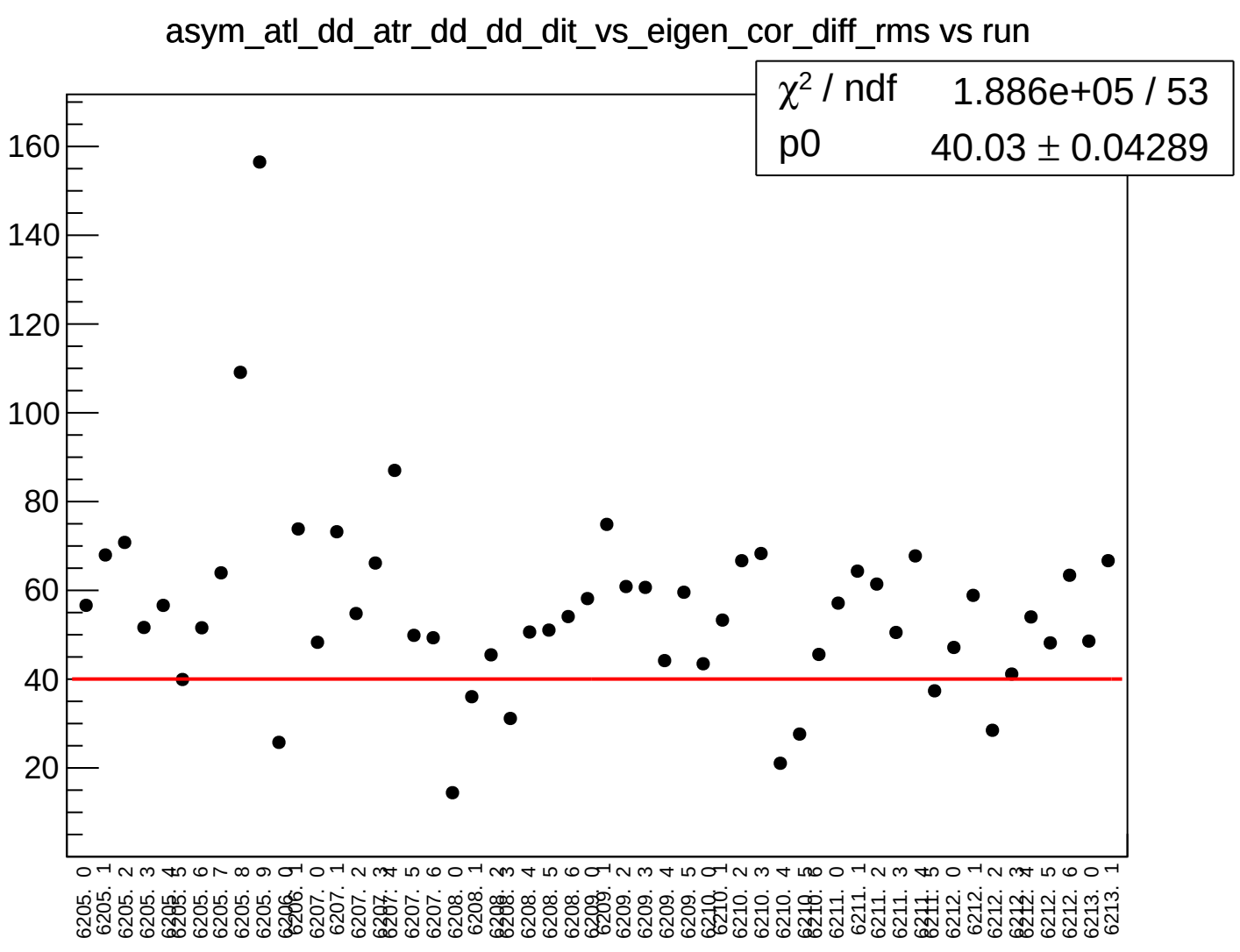

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 54.95 / 53
p0 −0.05145 ± 0.06066
pull
Entries 54
Mean −5.683
Std Dev 0

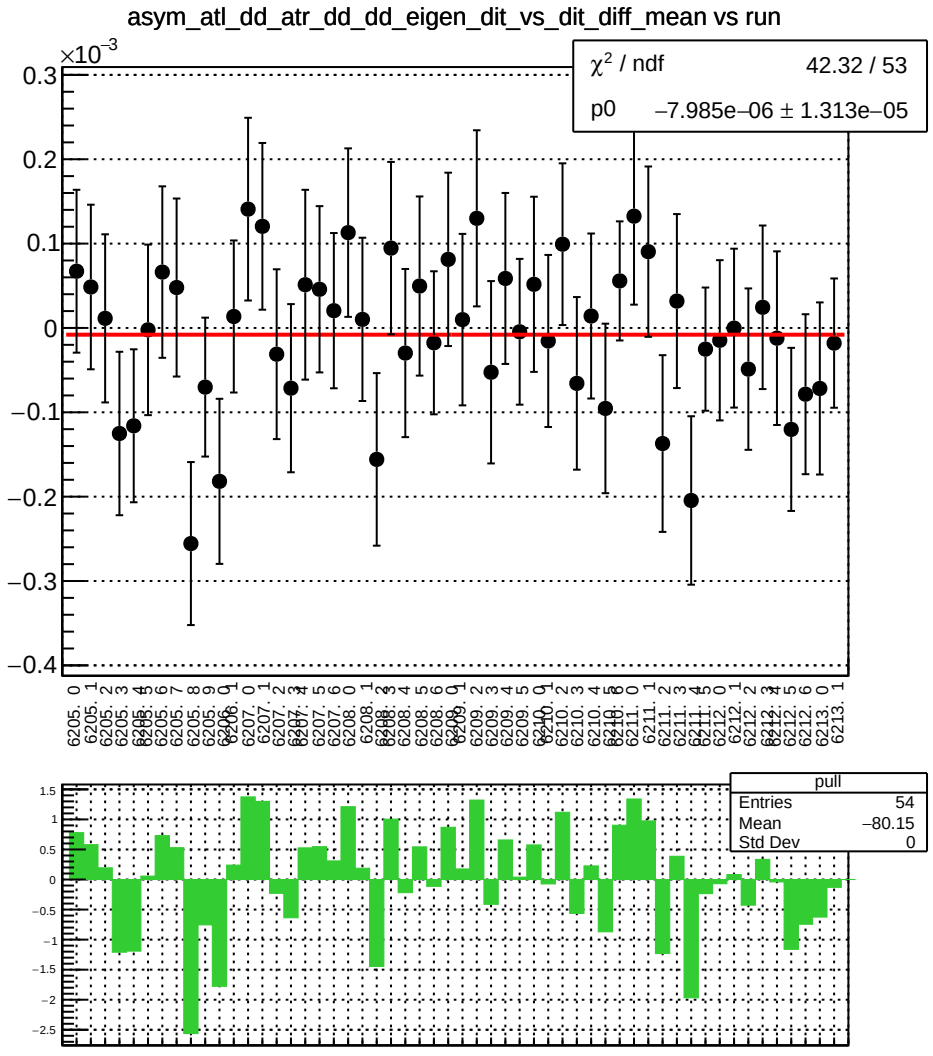

pull1D
Entries 54
Mean −0.02931
Std Dev 1.008

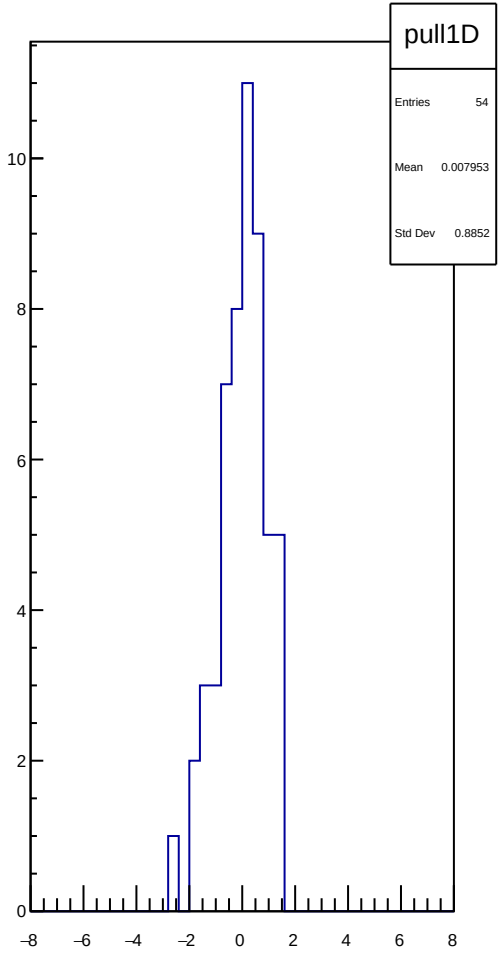

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.886e+05 / 53
p0 40.03 ± 0.04289
160
140
120
100
80
60
40
20
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

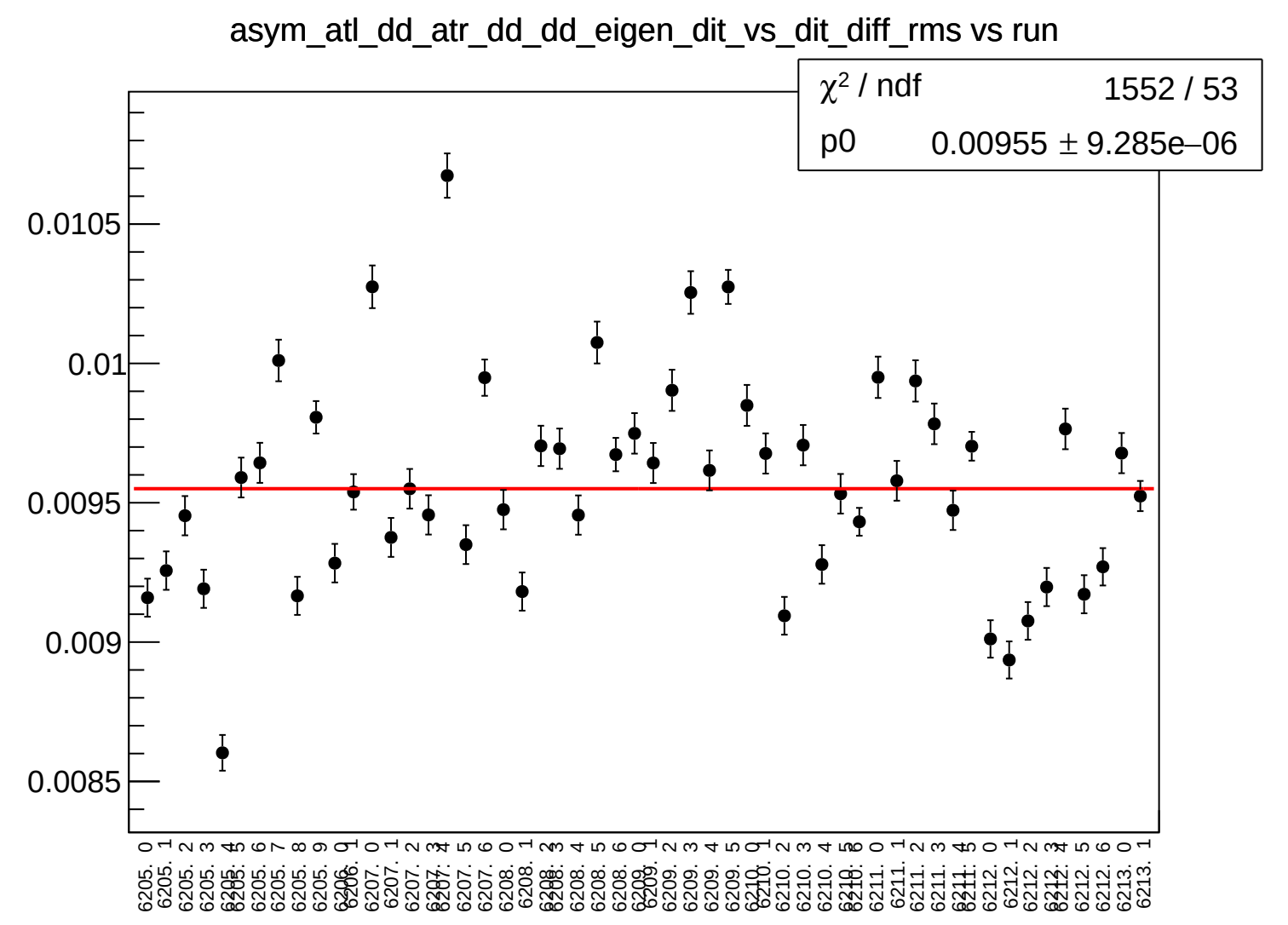

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 54.95 / 53
p0 −0.05145 ± 0.06066
pull
Entries 54
Mean −5.683
Std Dev 0

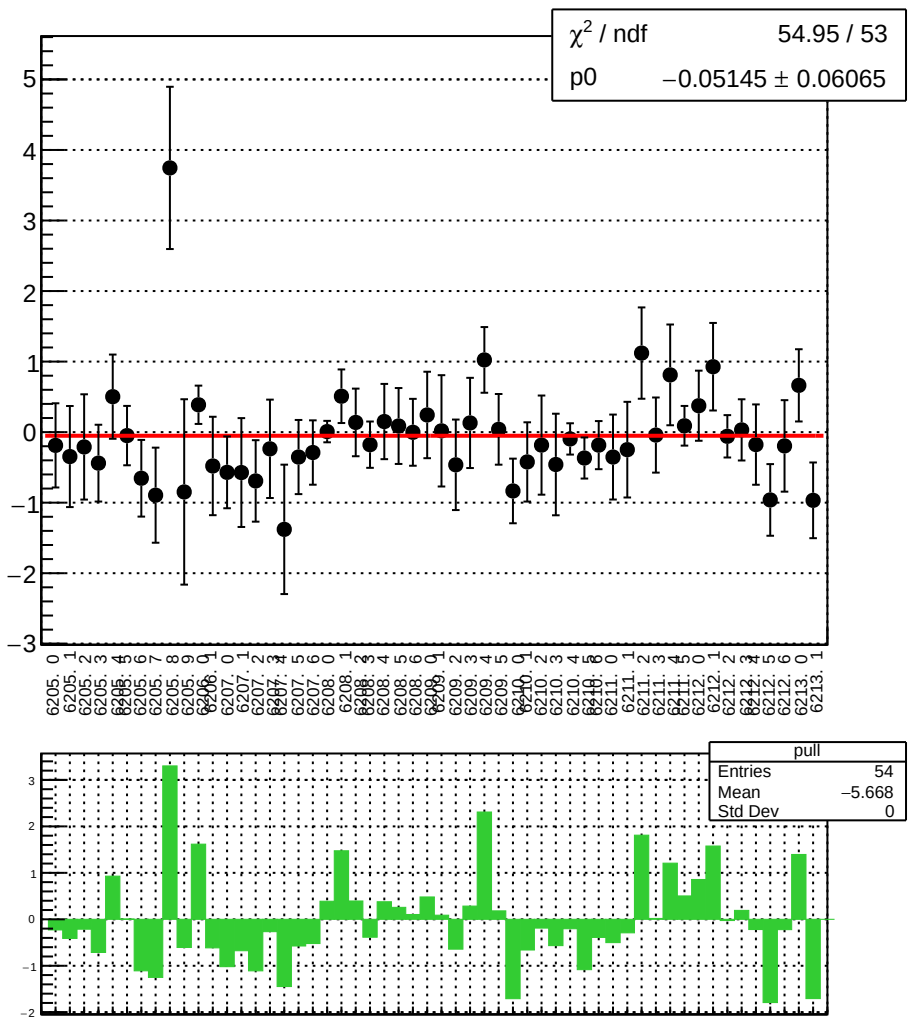

pull1D
Entries 54
Mean −0.02931
Std Dev 1.008

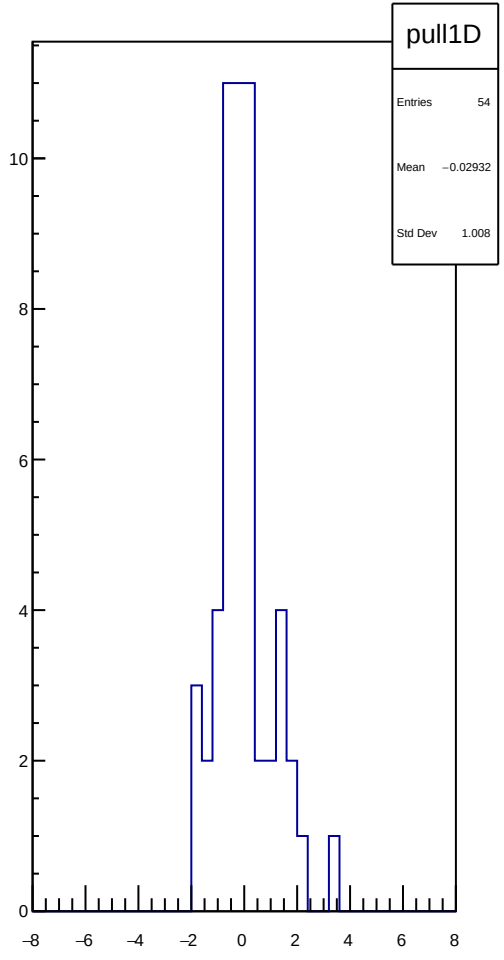

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.886e+05 / 53
p0 40.03 ± 0.04289
160
140
120
100
80
60
40
20
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 1
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

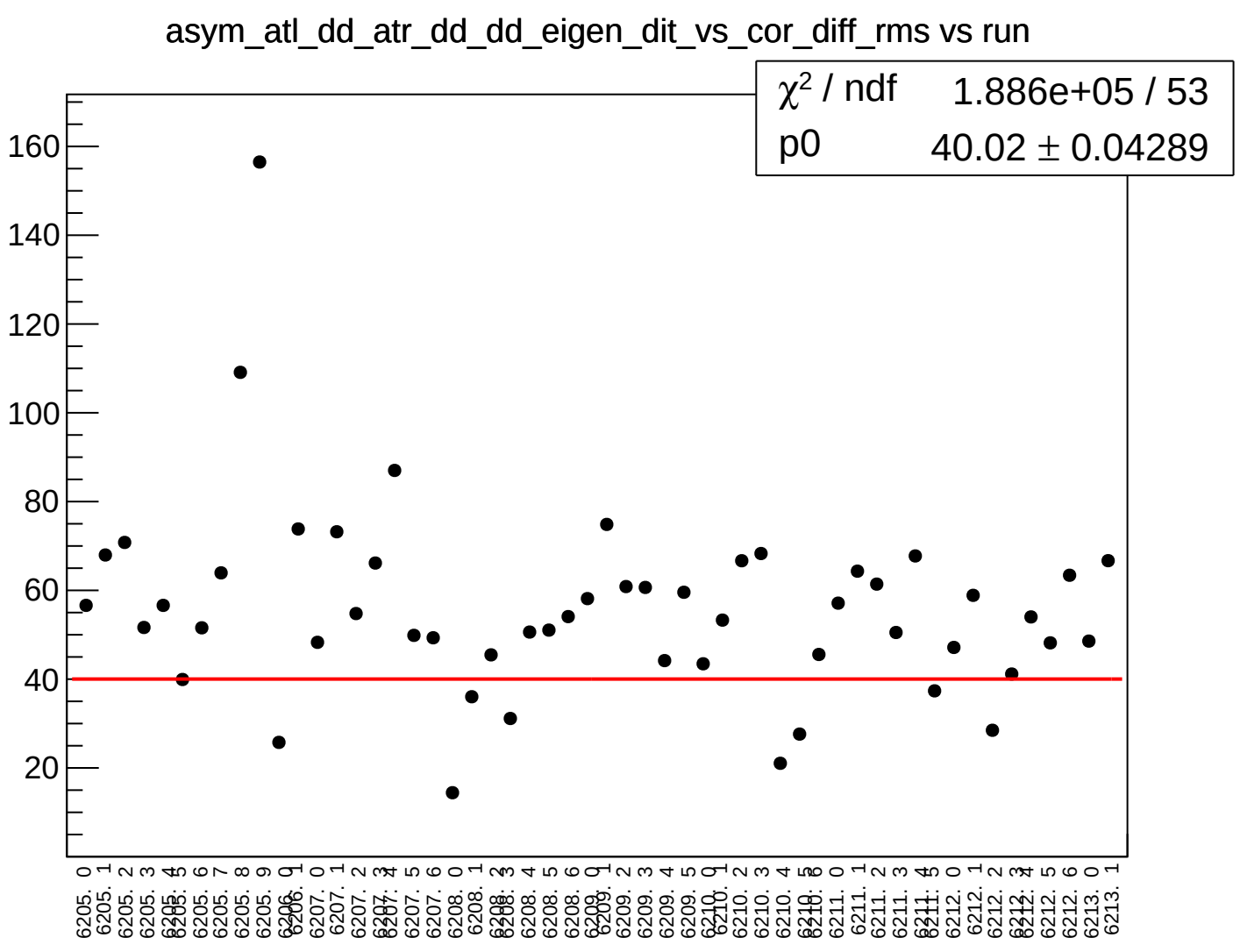

asym_atl_dd_atr_dd_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 42.32 / 53
p0 −7.985e−06 ± 1.313e−05
pull
Entries 54
Mean −80.15
Std Dev 0

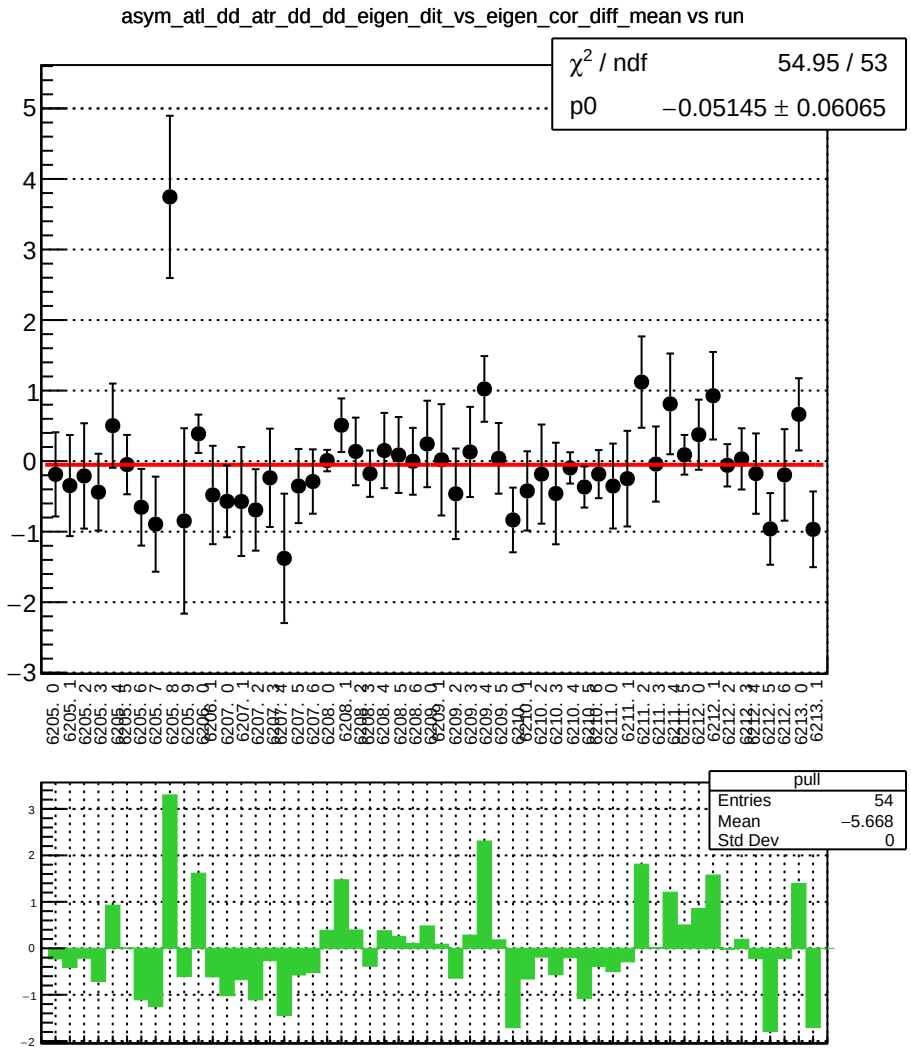

pull1D
Entries 54
Mean 0.007953
Std Dev 0.8852

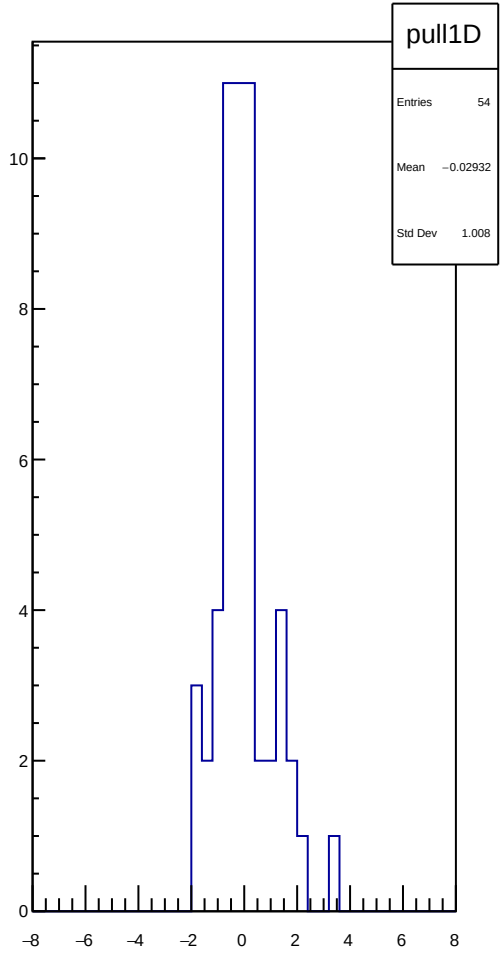

asym_atl_dd_atr_dd_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1552 / 53
p0 0.00955 ± 9.285e−06
0.0105
0.01
0.0095
0.009
0.0085
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

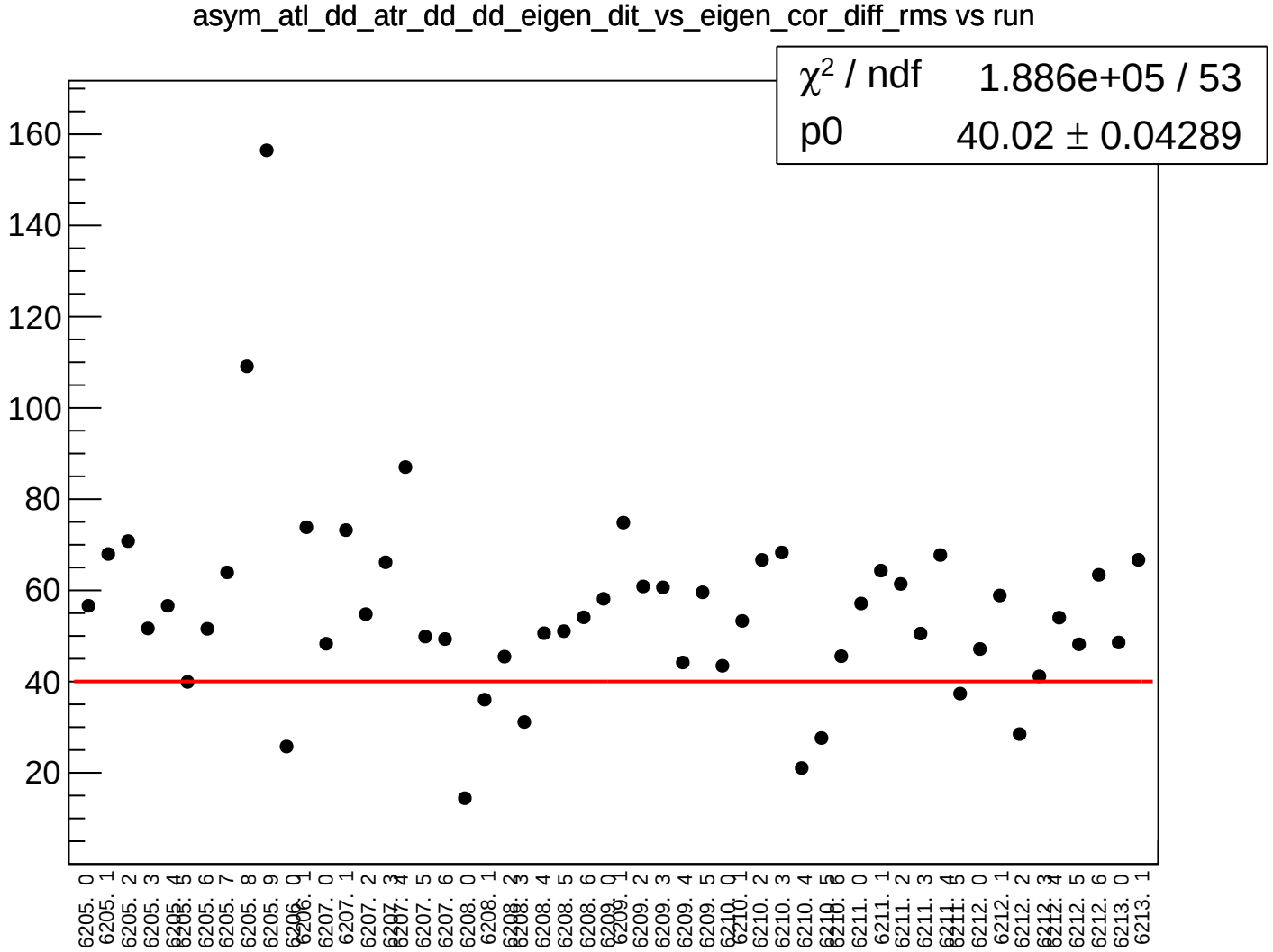

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 54.95 / 53
p0 −0.05145 ± 0.06065
pull
Entries 54
Mean −5.668
Std Dev 0

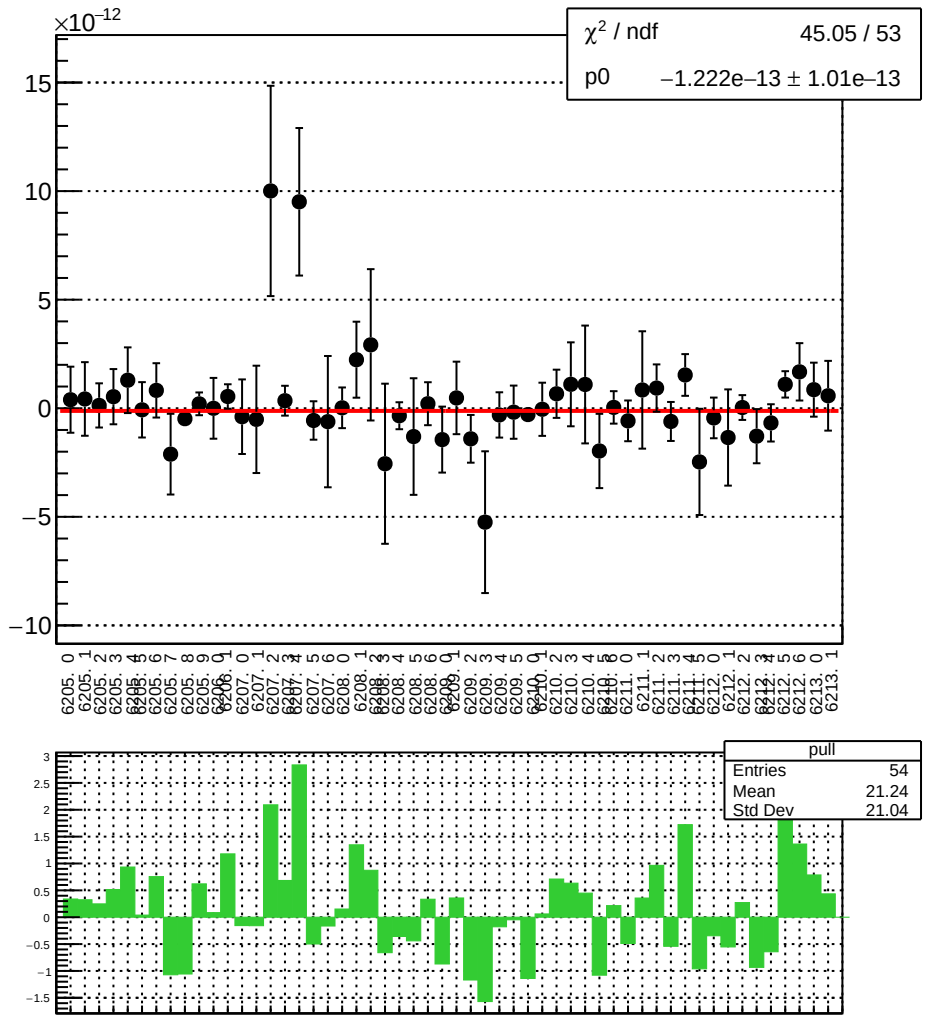

pull1D
Entries 54
Mean −0.02932
Std Dev 1.008

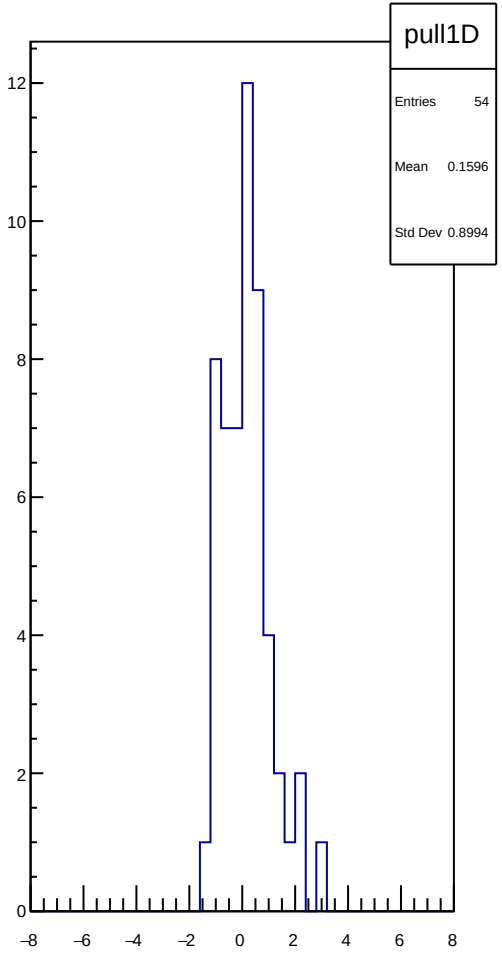

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.886e+05 / 53
p0 40.02 ± 0.04289
160
140
120
100
80
60
40
20
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 1
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

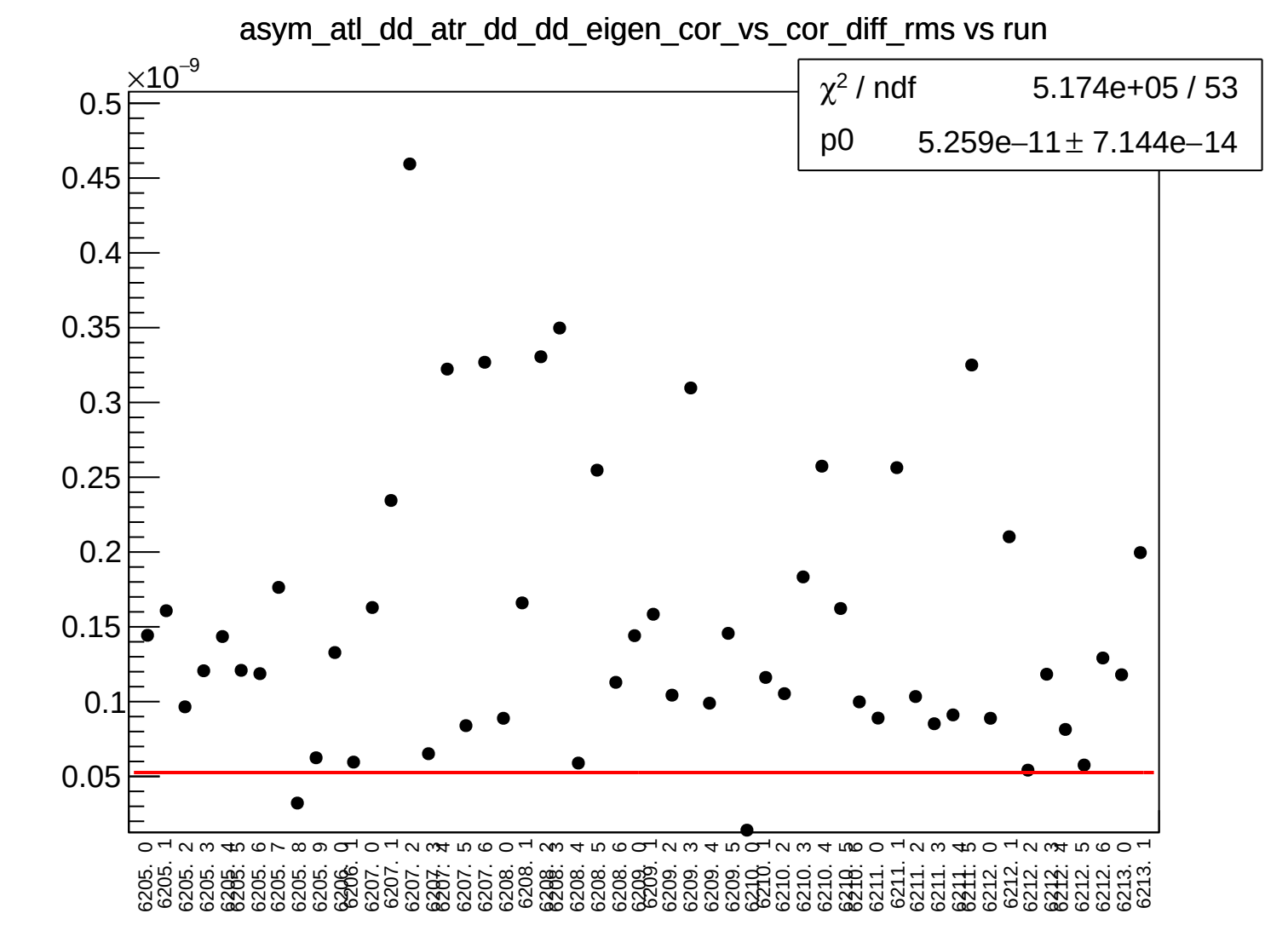

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 54.95 / 53
p0 −0.05145 ± 0.06065
pull
Entries 54
Mean −5.668
Std Dev 0

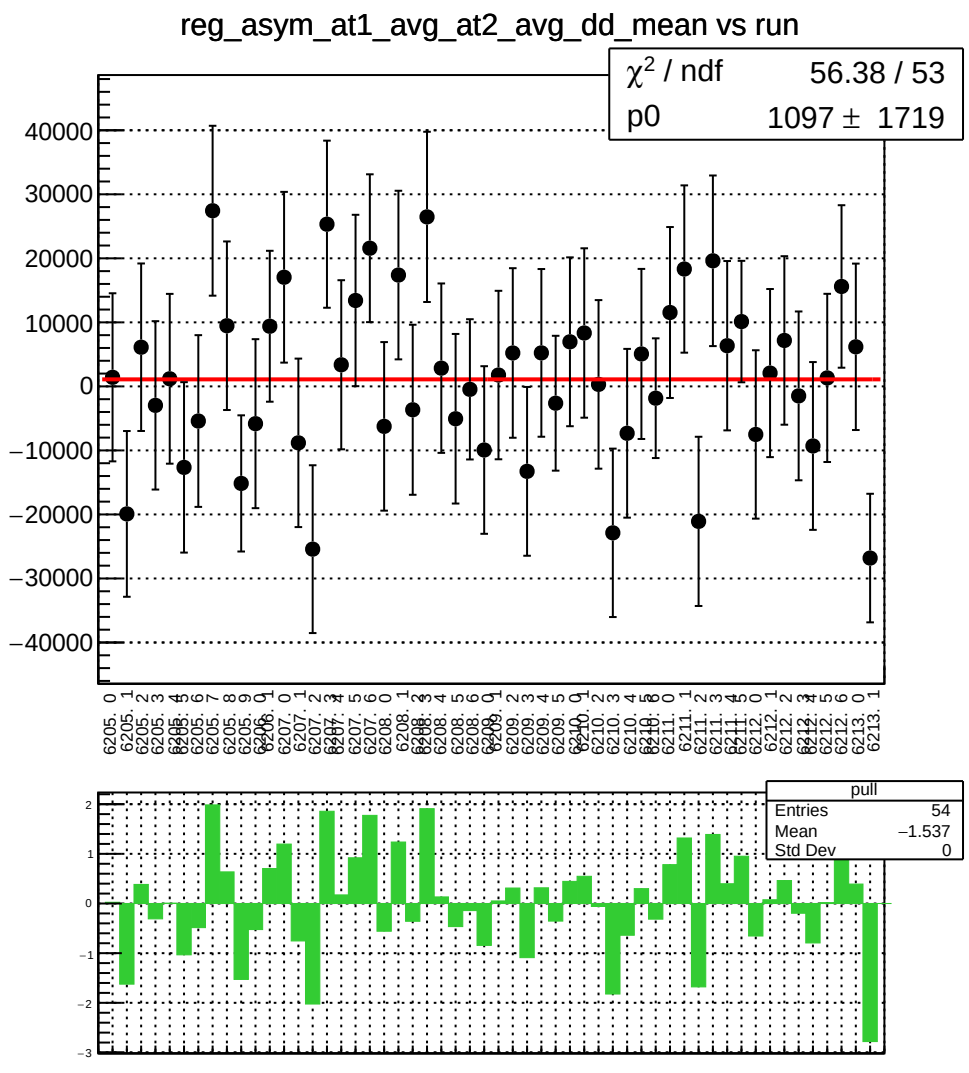

pull1D
Entries 54
Mean −0.02932
Std Dev 1.008

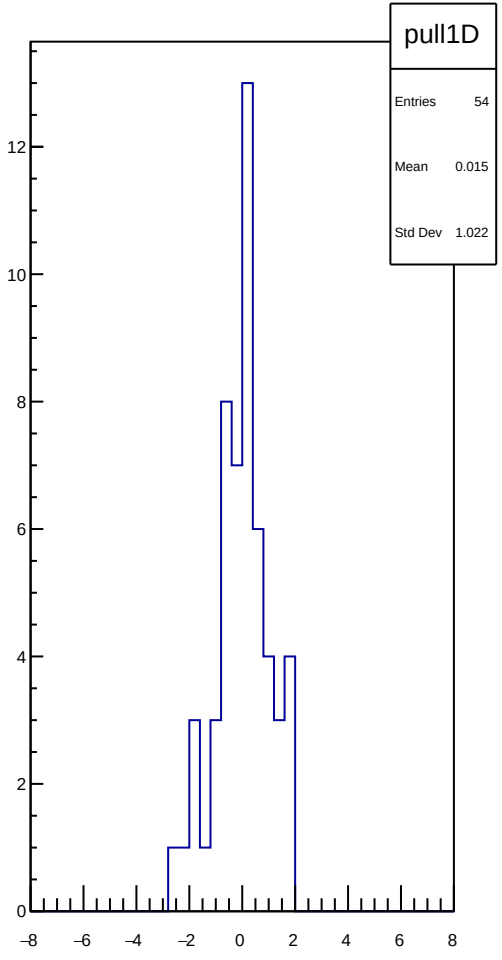

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.886e+05 / 53
p0 40.02 ± 0.04289
160
140
120
100
80
60
40
20
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

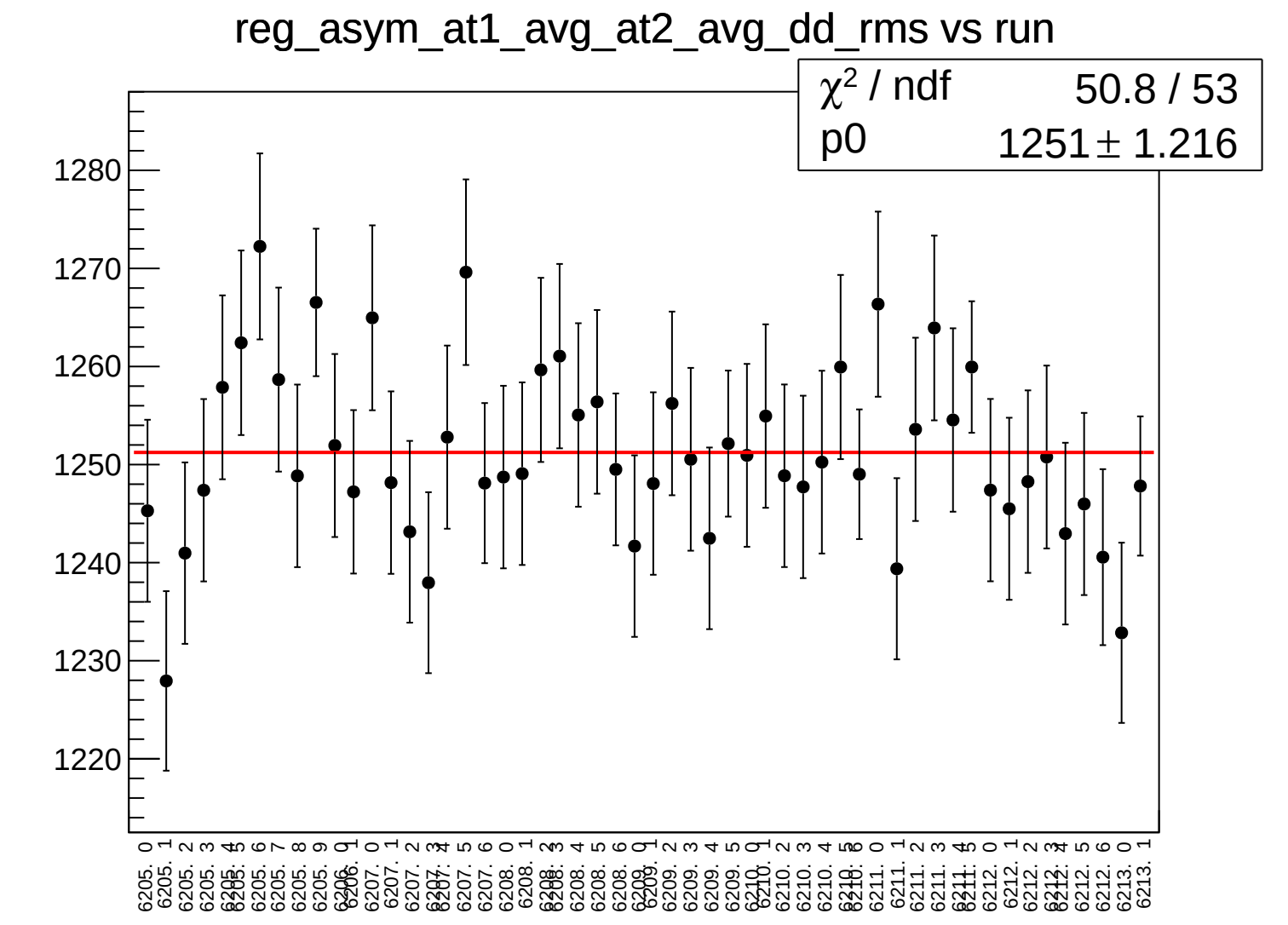

asym_atl_dd_atr_dd_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 45.05 / 53
p0 −1.222e−13 ± 1.01e−13
pull
Entries 54
Mean 21.24
Std Dev 21.04

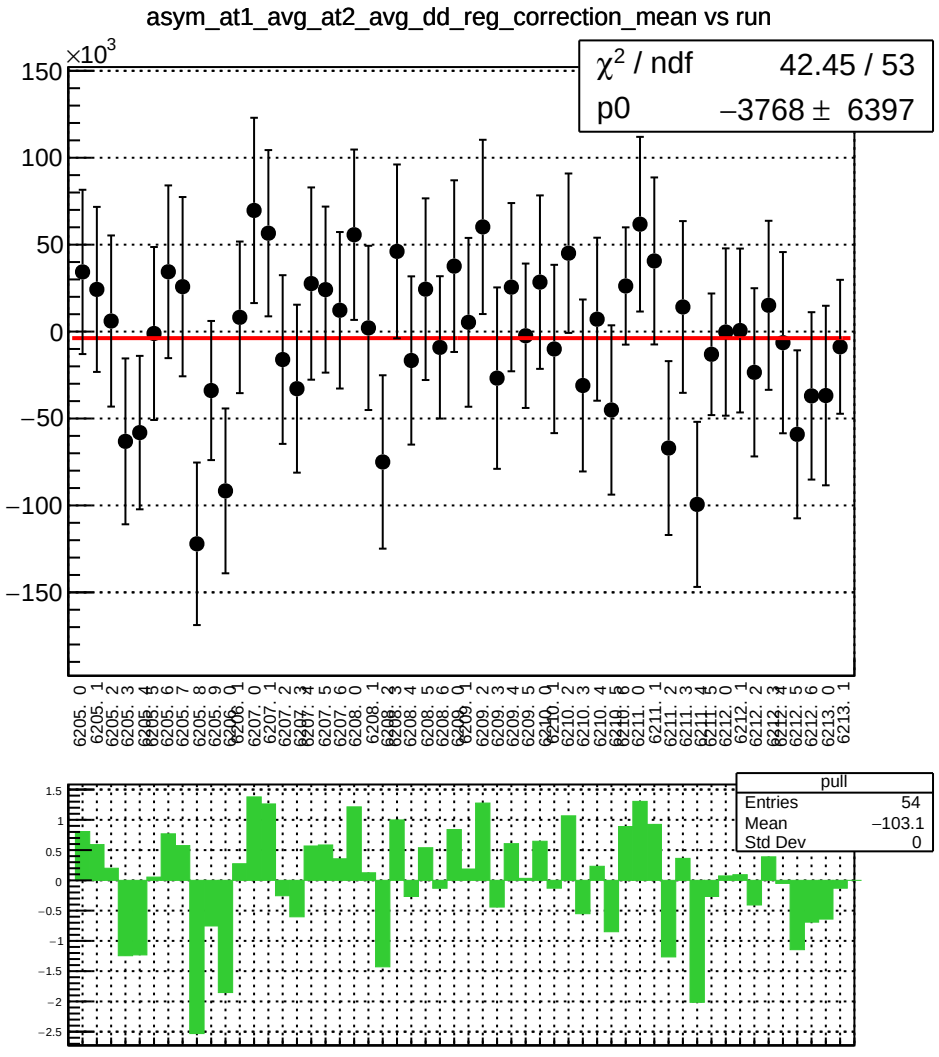

pull1D
Entries 54
Mean 0.1596
Std Dev 0.8994

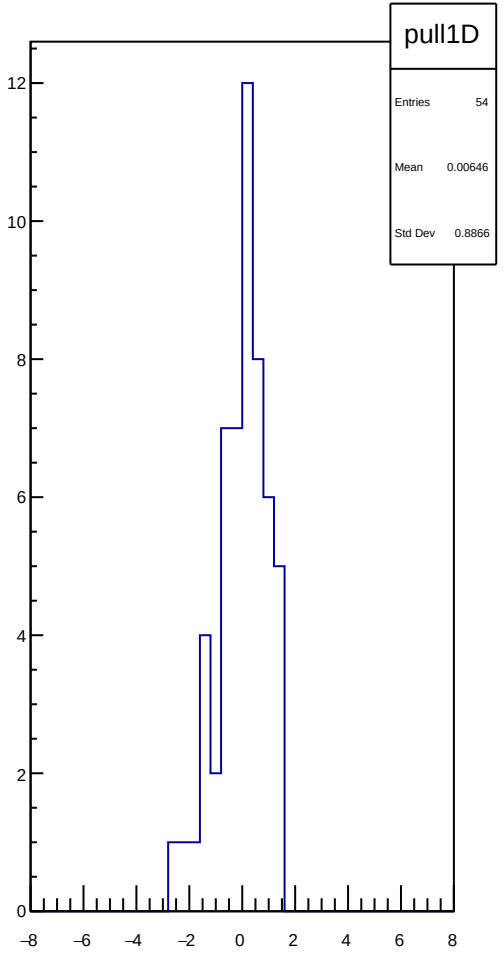

asym_atl_dd_atr_dd_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.174e+05 / 53
p0 5.259e−11 ± 7.144e−14
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

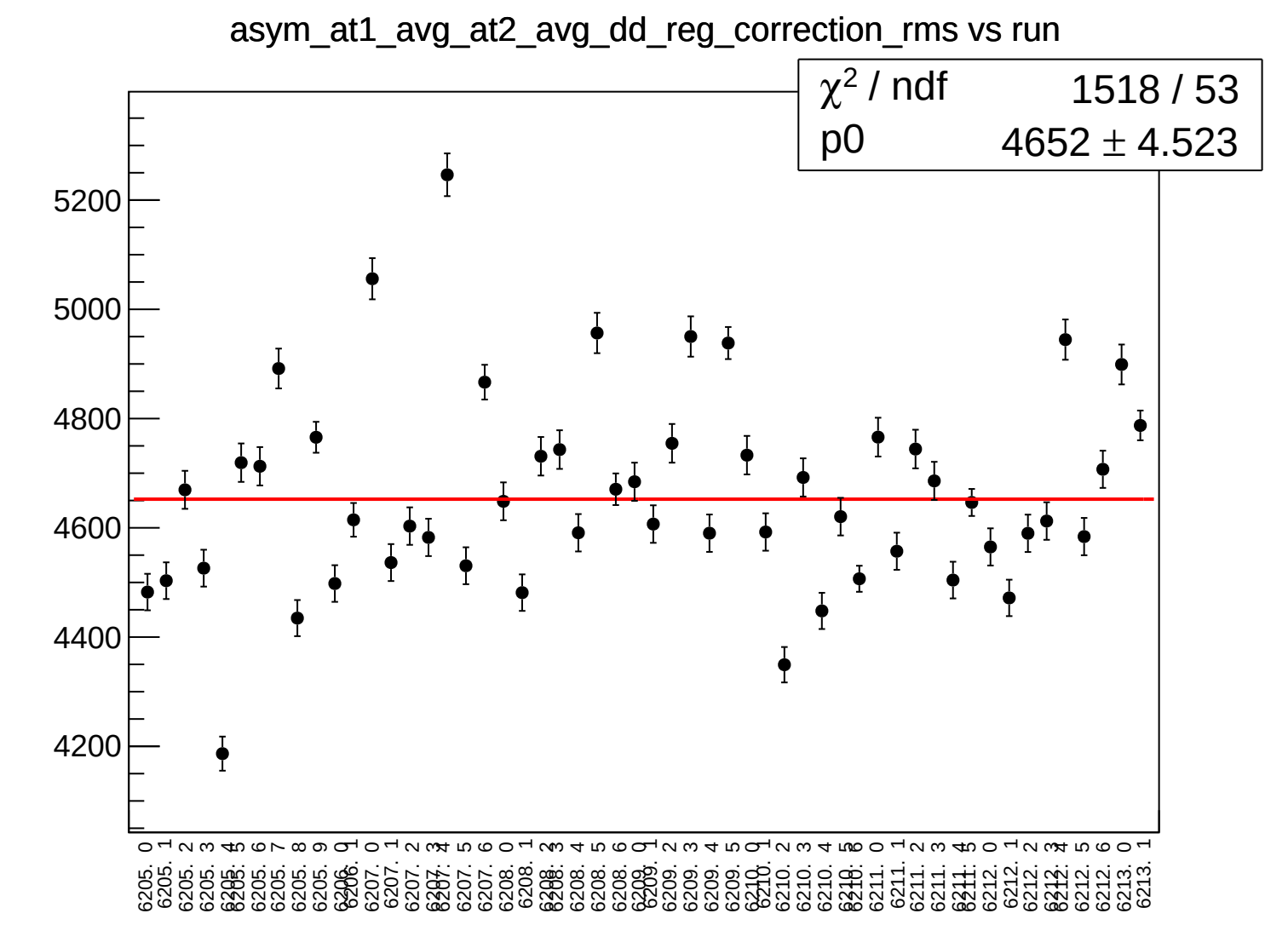

reg_asym_at1_avg_at2_avg_dd_mean vs run
χ² / ndf 56.38 / 53
p0 1097 ± 1719
pull
Entries 54
Mean −1.537
Std Dev 0

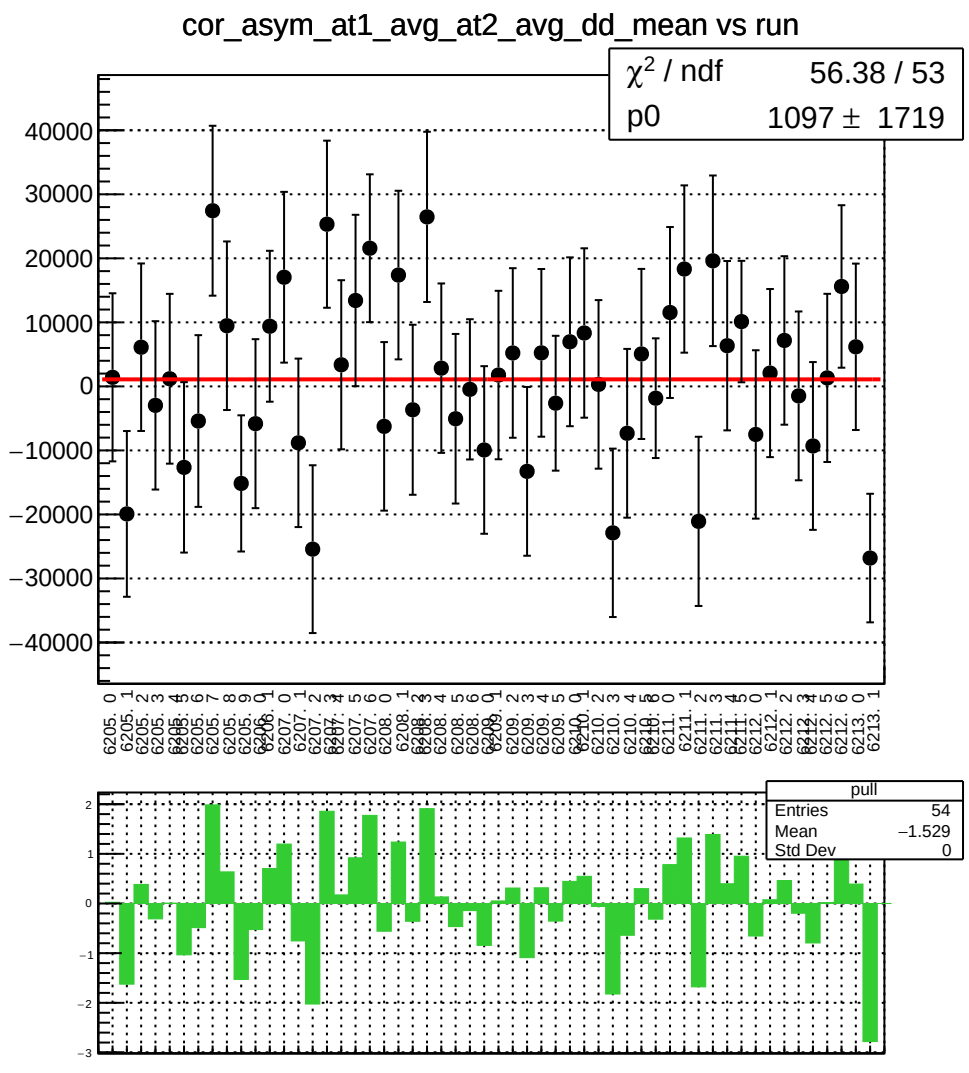

pull1D
Entries 54
Mean 0.015
Std Dev 1.022

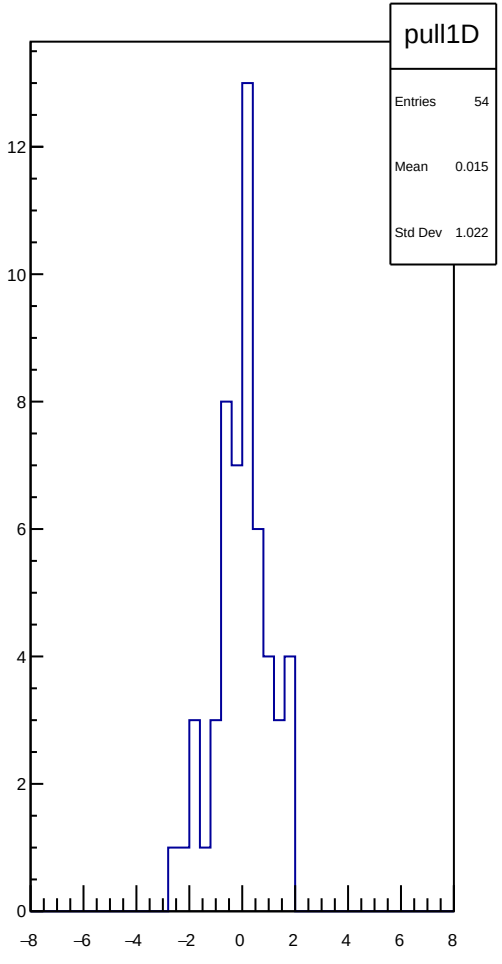

reg_asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 50.8 / 53
p0 1251 ± 1.216
1280
1270
1260
1250
1240
1230
1220
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

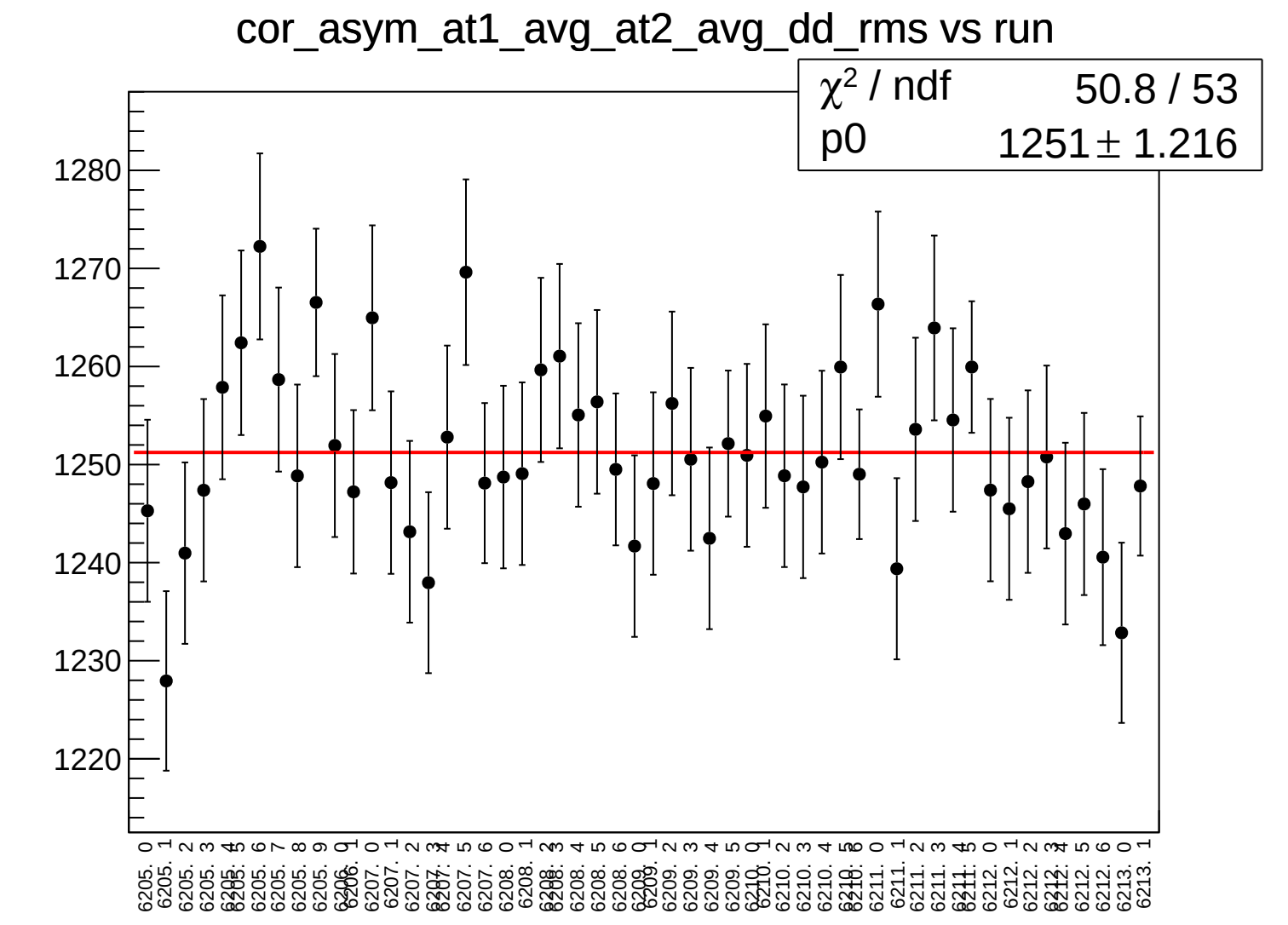

asym_at1_avg_at2_avg_dd_reg_correction_mean vs run
×10^3
χ² / ndf 42.45 / 53
p0 −3768 ± 6397
150
100
50
0
−50
−100
−150
pull
Entries 54
Mean −103.1
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 54
Mean 0.00646
Std Dev 0.8866
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_at1_avg_at2_avg_dd_reg_correction_rms vs run
χ² / ndf 1518 / 53
p0 4652 ± 4.523
5200
5000
4800
4600
4400
4200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


cor_asym_at1_avg_at2_avg_dd_mean vs run
χ² / ndf 56.38 / 53
p0 1097 ± 1719
pull
Entries 54
Mean −1.529
Std Dev 0


pull1D
Entries 54
Mean 0.015
Std Dev 1.022


cor_asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 50.8 / 53
p0 1251 ± 1.216
1280
1270
1260
1250
1240
1230
1220
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
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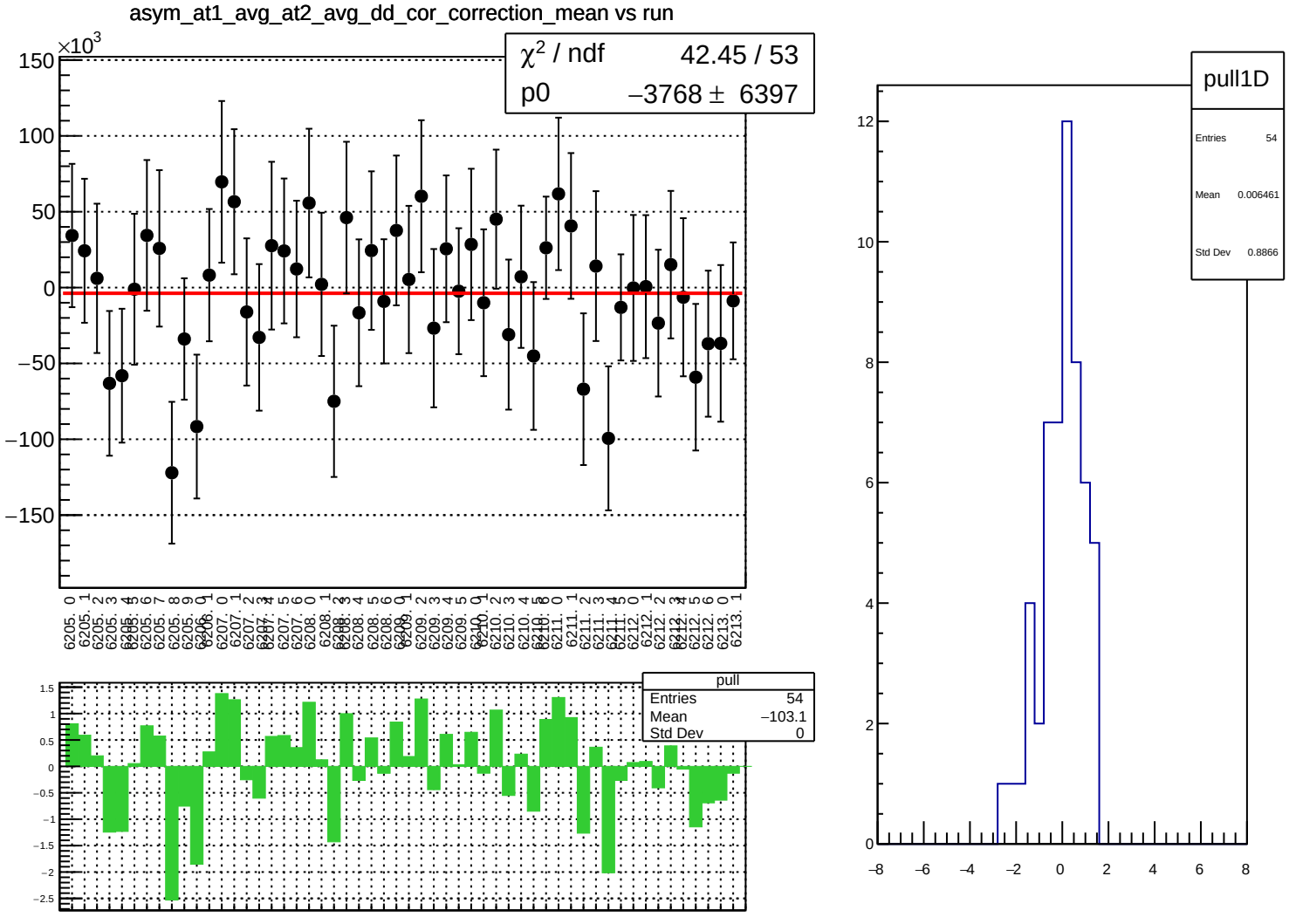
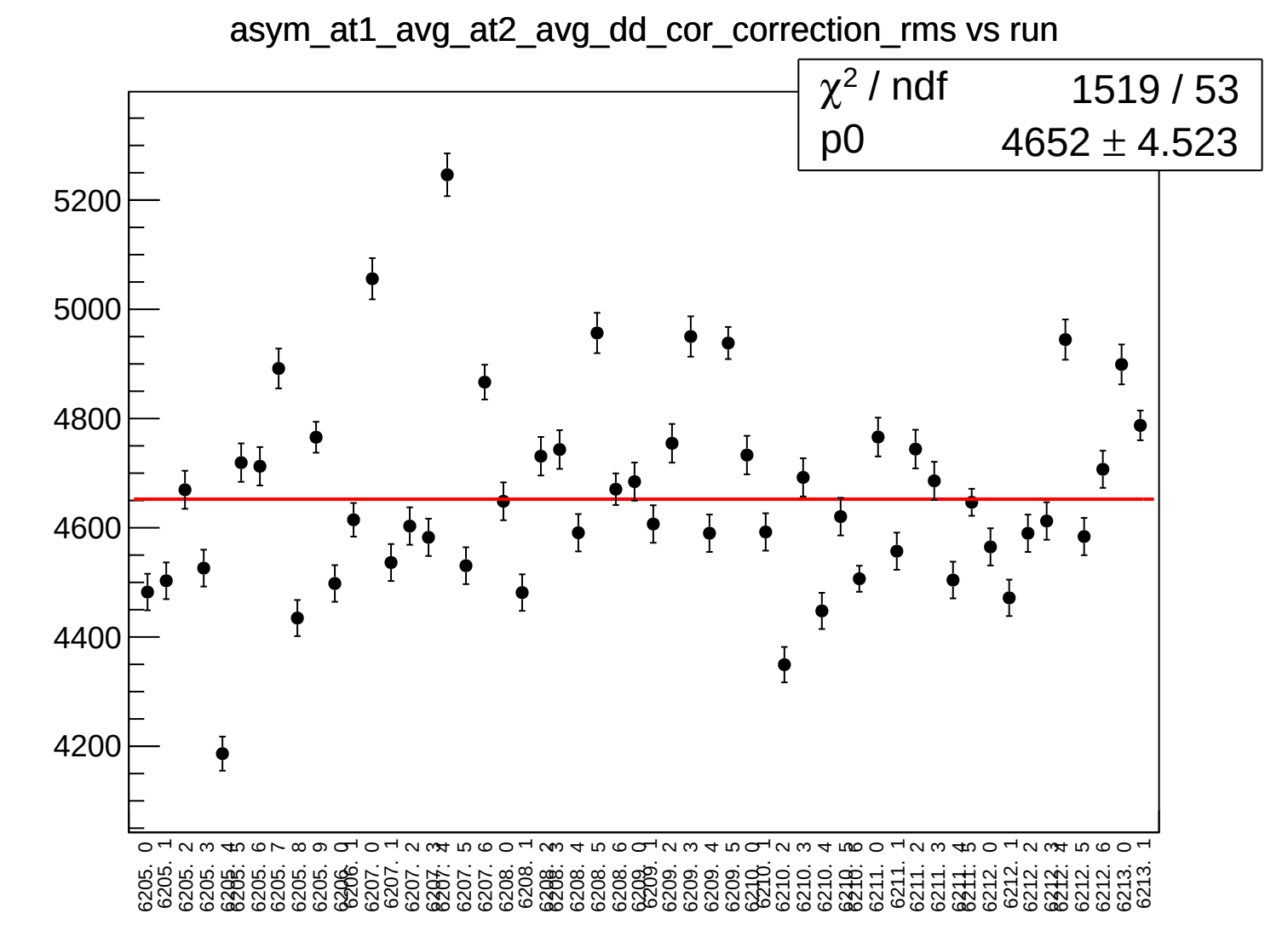
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_at1_avg_at2_avg_dd_cor_correction_mean vs run
×10^3
χ² / ndf 42.45 / 53
p0 −3768 ± 6397
150
100
50
0
−50
−100
−150
pull
Entries 54
Mean −103.1
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 54
Mean 0.006461
Std Dev 0.8866
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_at1_avg_at2_avg_dd_cor_correction_rms vs run
χ² / ndf 1519 / 53
p0 4652 ± 4.523
5200
5000
4800
4600
4400
4200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
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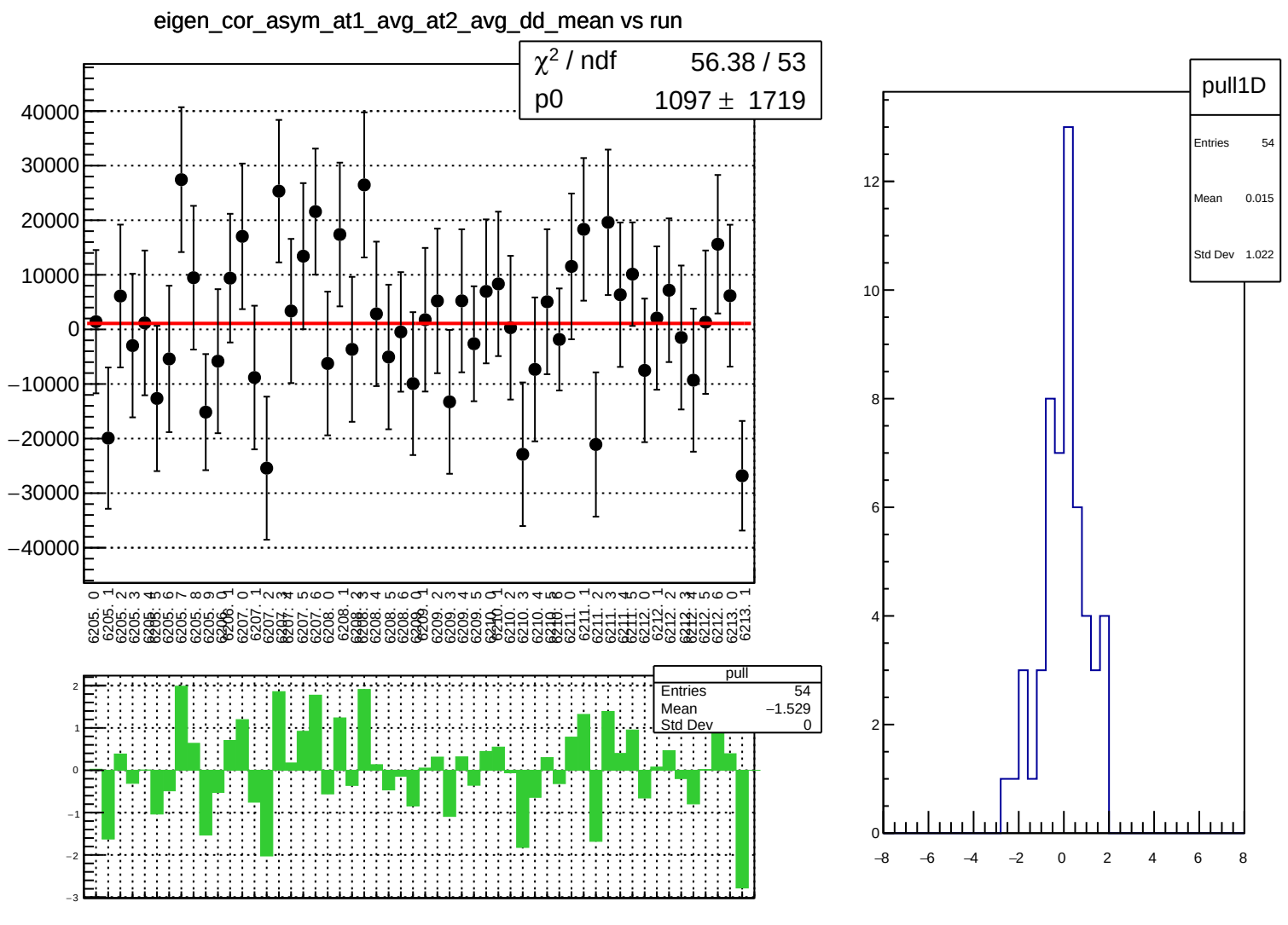
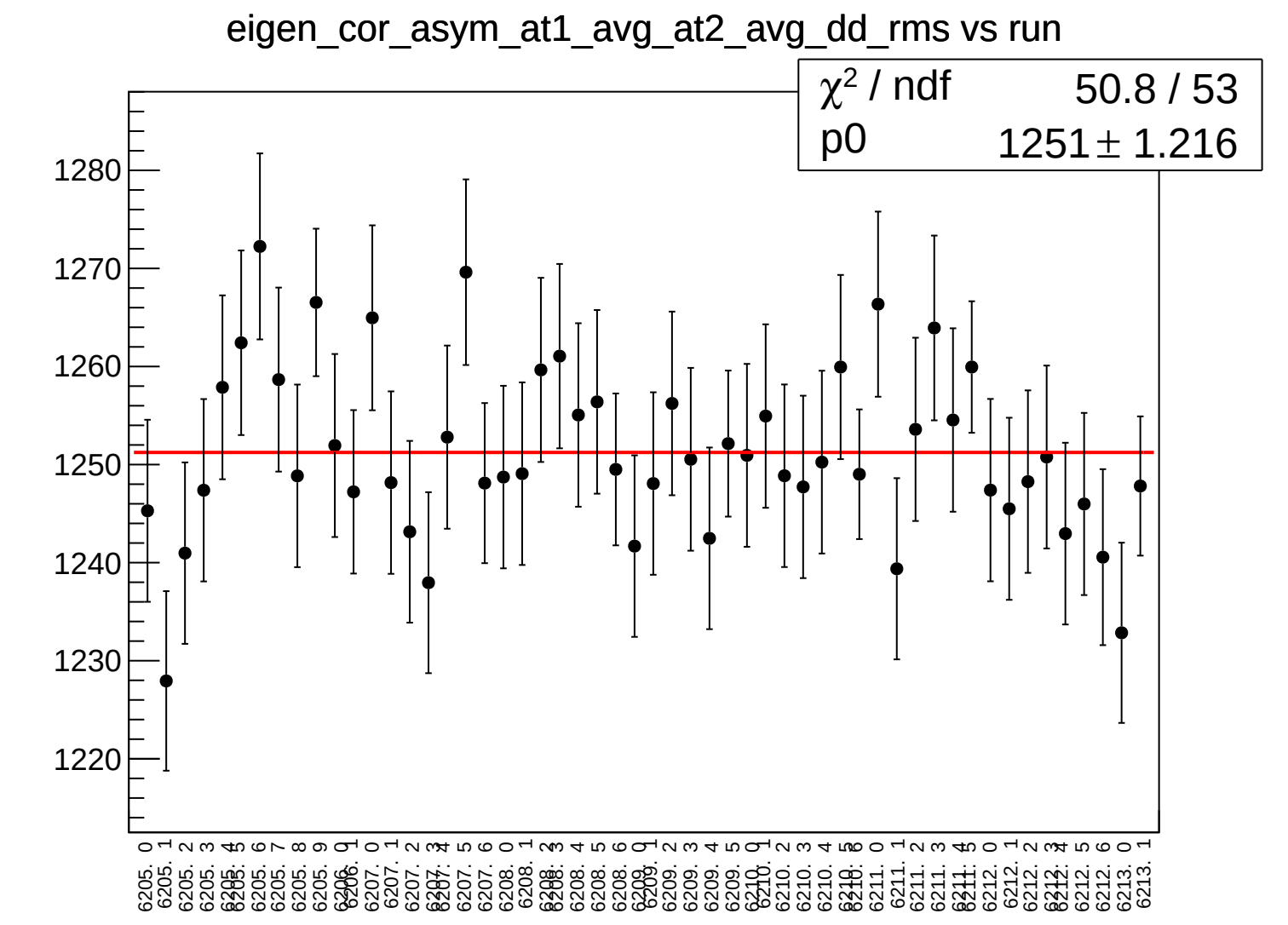
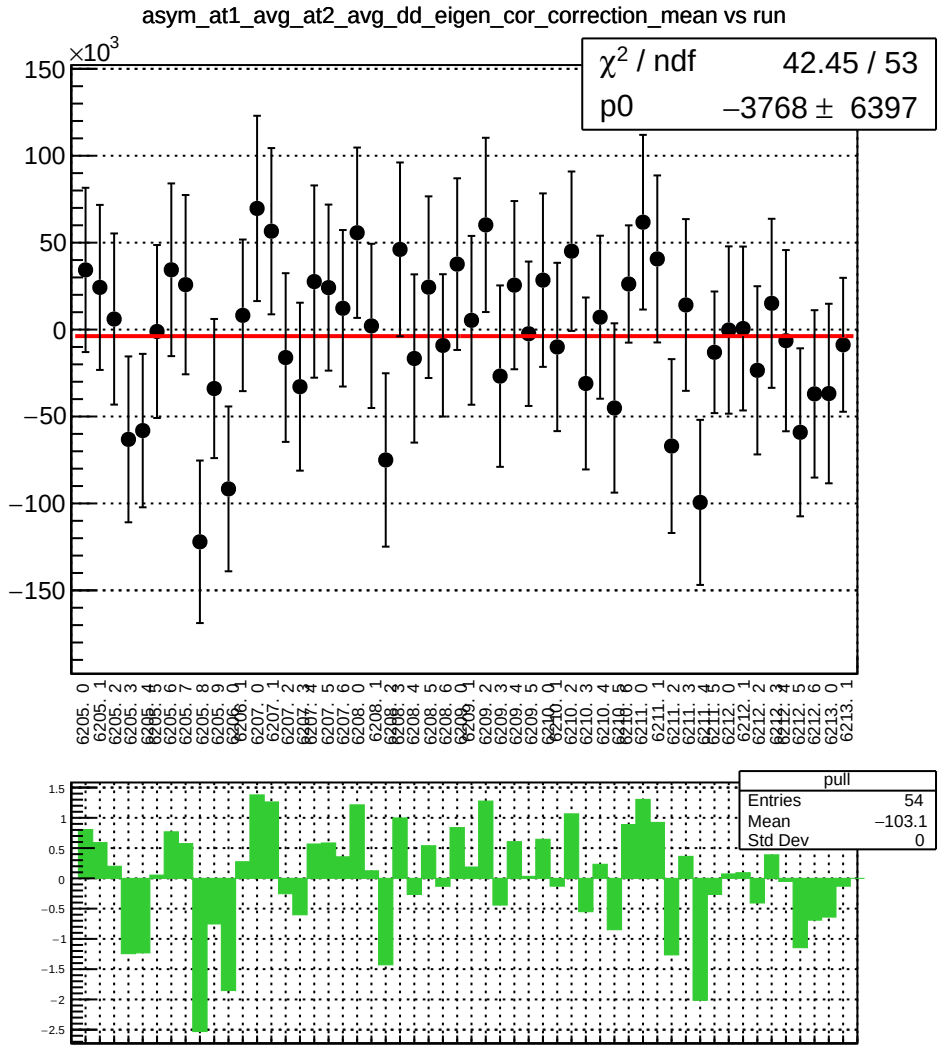
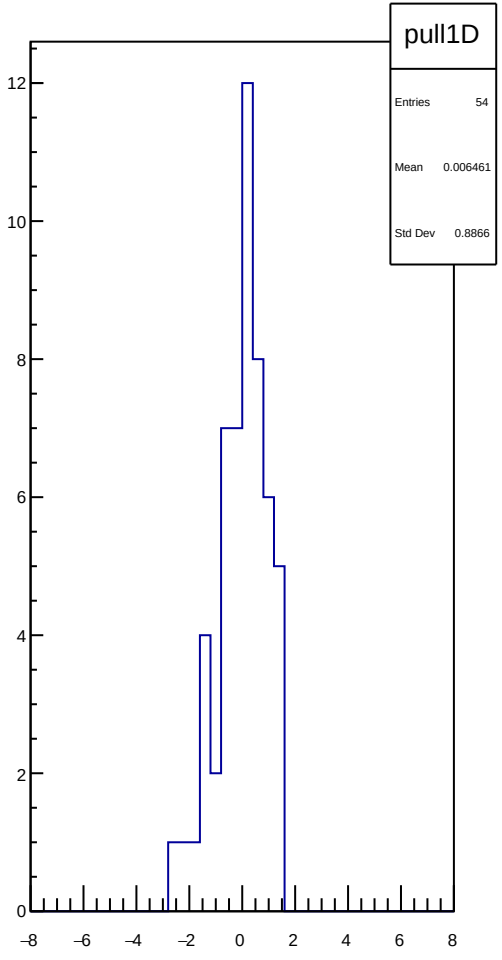
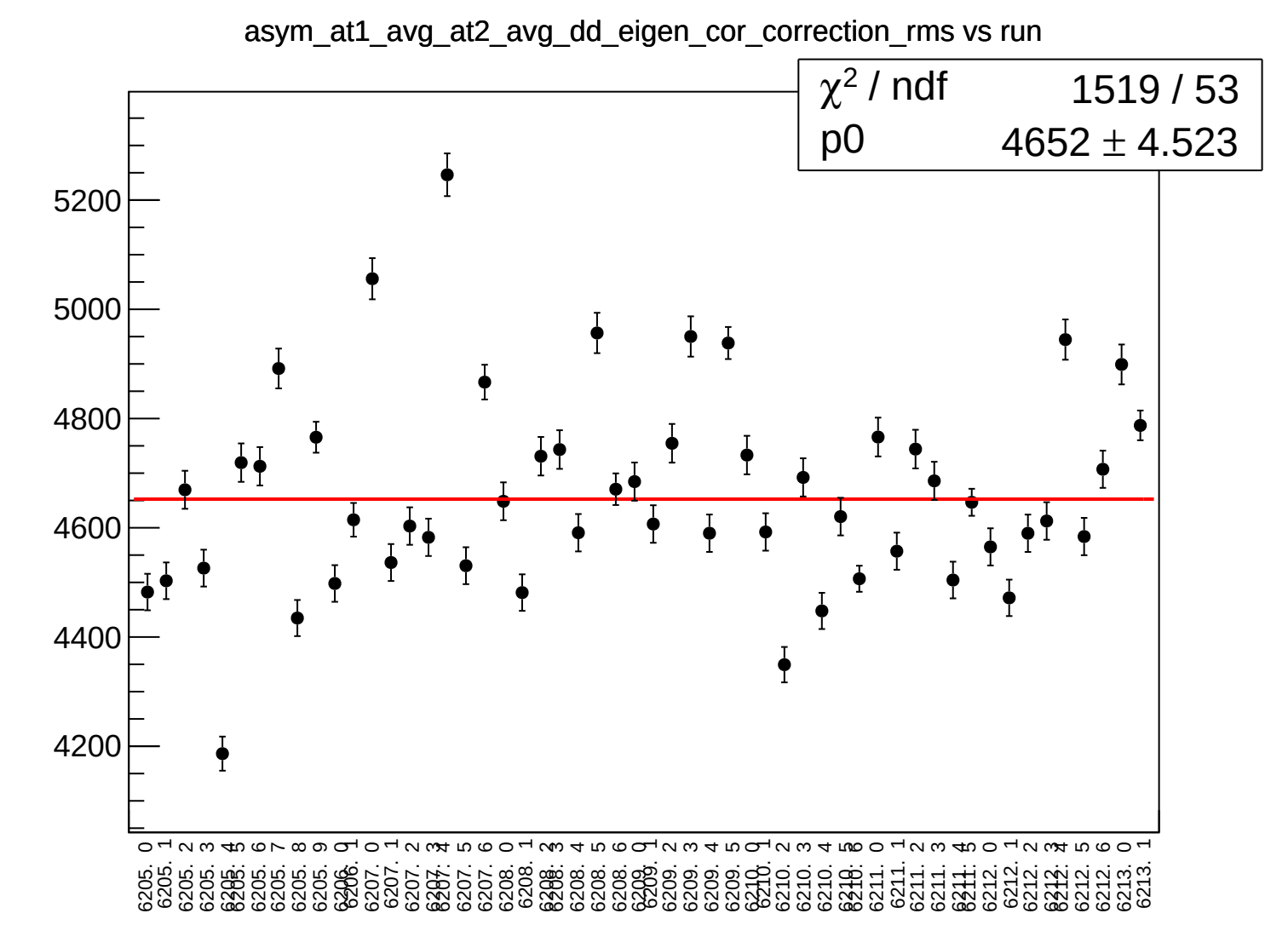
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


eigen_cor_asym_at1_avg_at2_avg_dd_mean vs run
χ² / ndf 56.38 / 53
p0 1097 ± 1719
pull
Entries 54
Mean −1.529
Std Dev 0
pull1D
Entries 54
Mean 0.015
Std Dev 1.022


eigen_cor_asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 50.8 / 53
p0 1251 ± 1.216
1280
1270
1260
1250
1240
1230
1220
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_at1_avg_at2_avg_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 42.45 / 53
p0 −3768 ± 6397
150
100
50
0
−50
−100
−150
pull
Entries 54
Mean −103.1
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 54
Mean 0.006461
Std Dev 0.8866
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_at1_avg_at2_avg_dd_eigen_cor_correction_rms vs run
χ² / ndf 1519 / 53
p0 4652 ± 4.523
5200
5000
4800
4600
4400
4200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
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6207. 5
6207. 6
6208. 0
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6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
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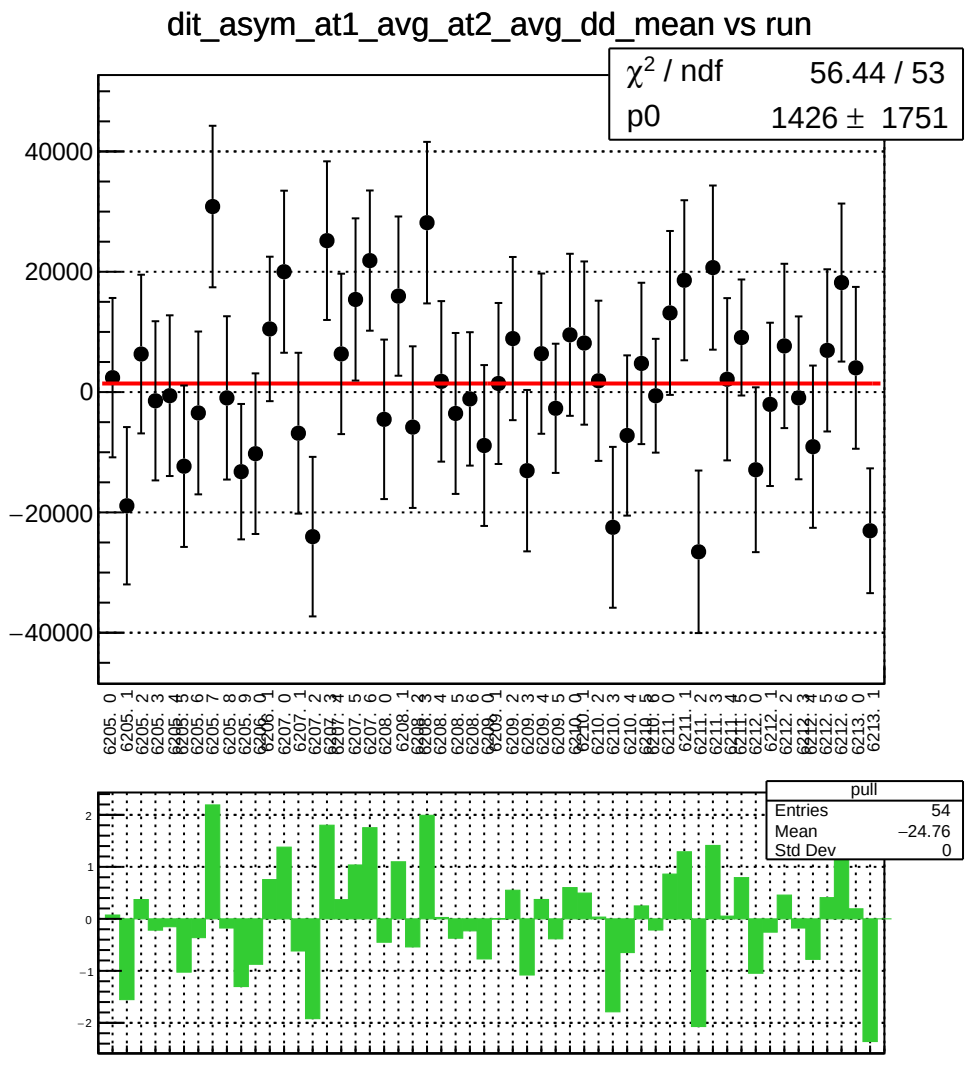
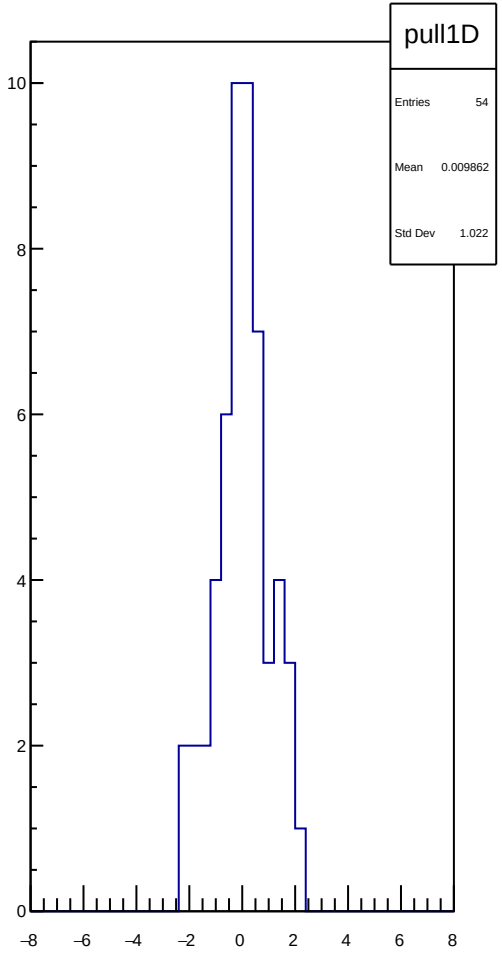
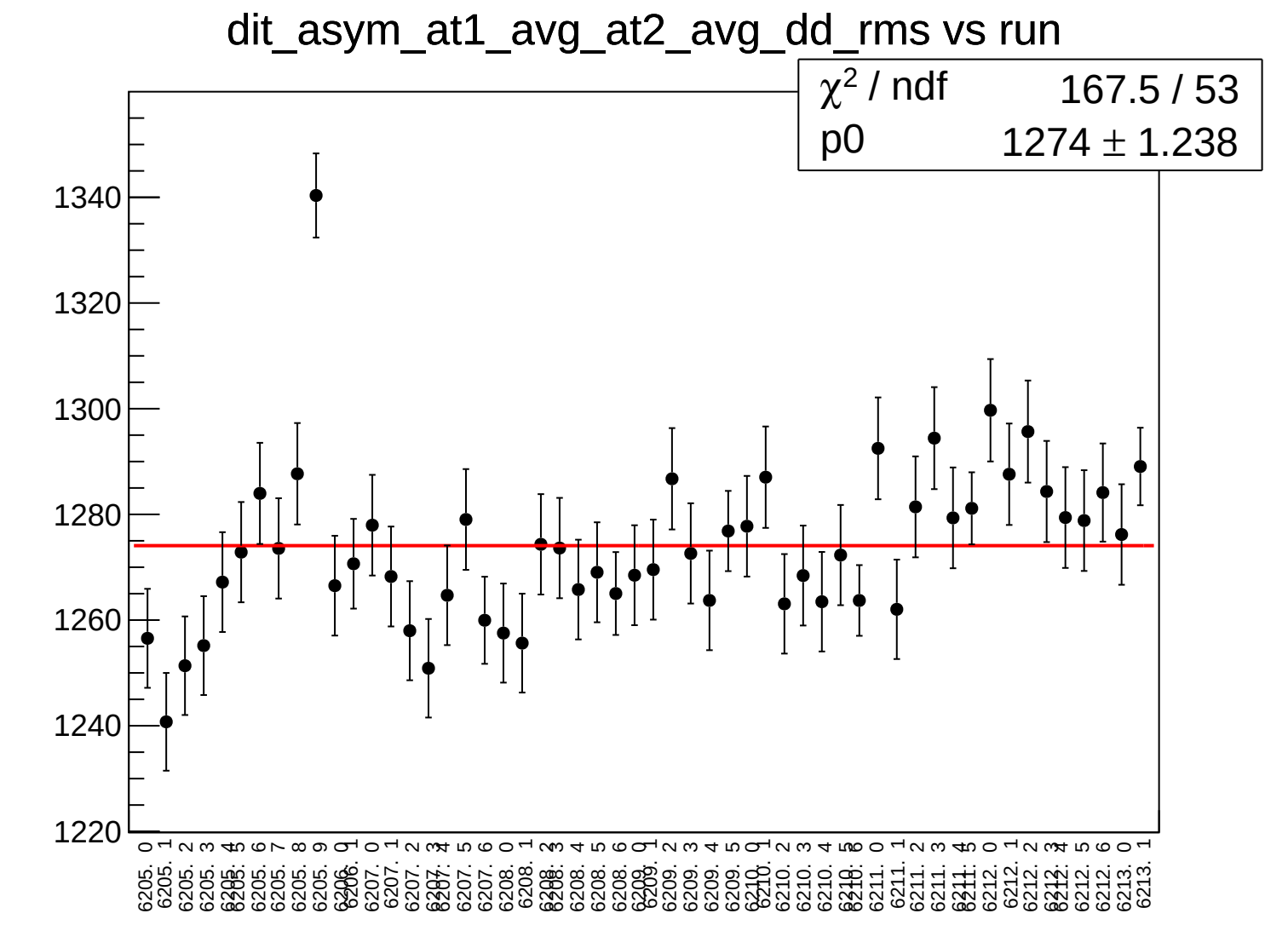
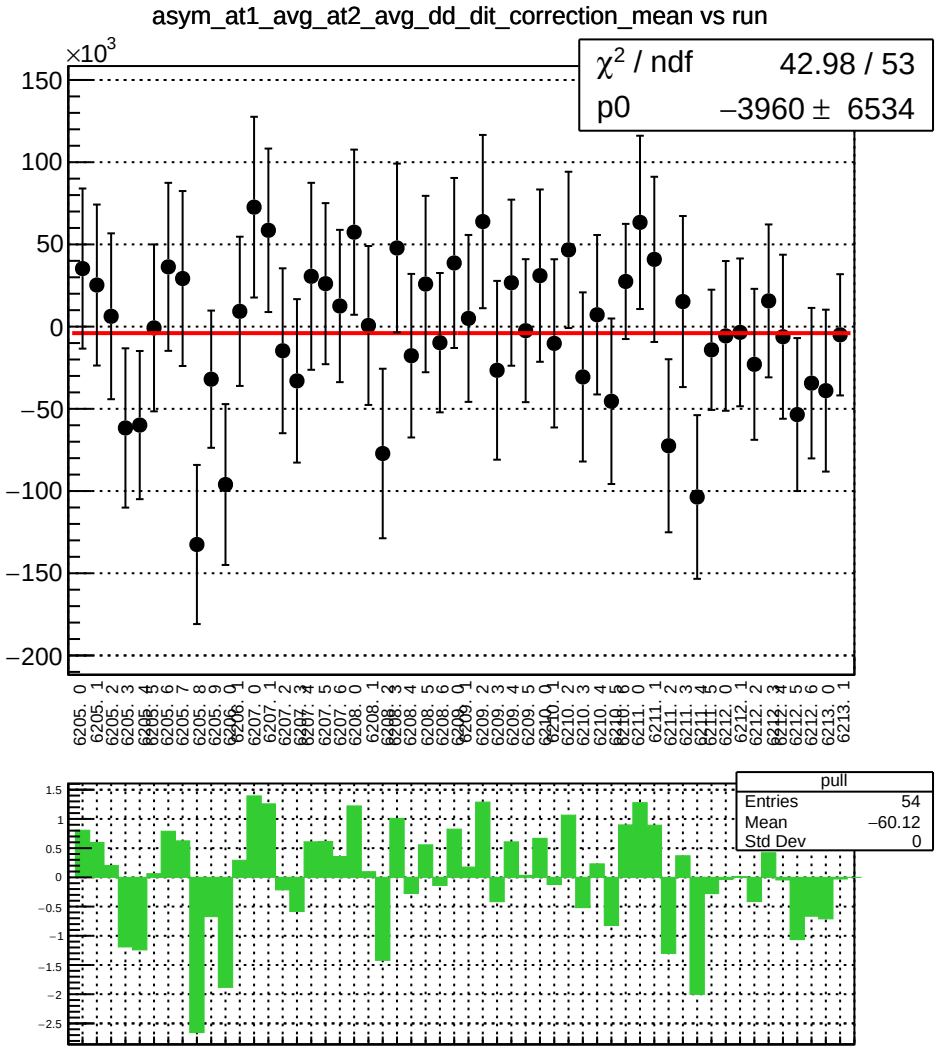
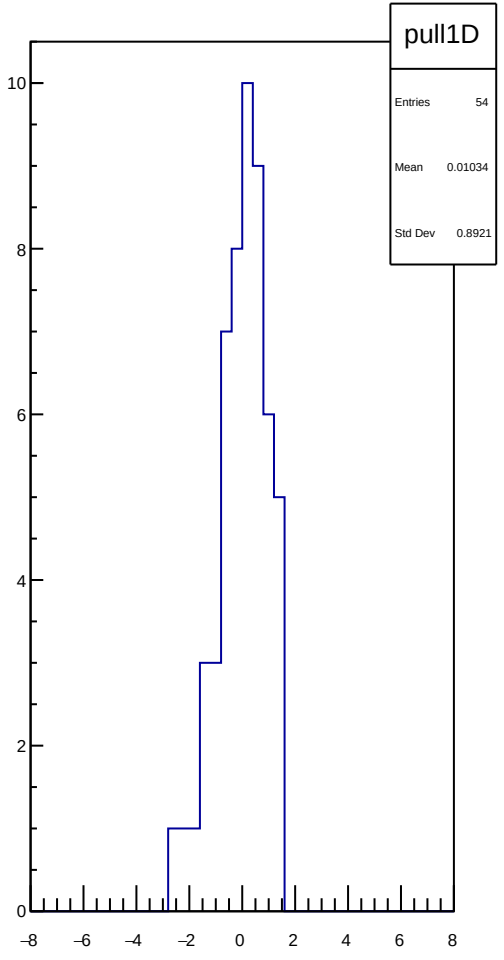
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

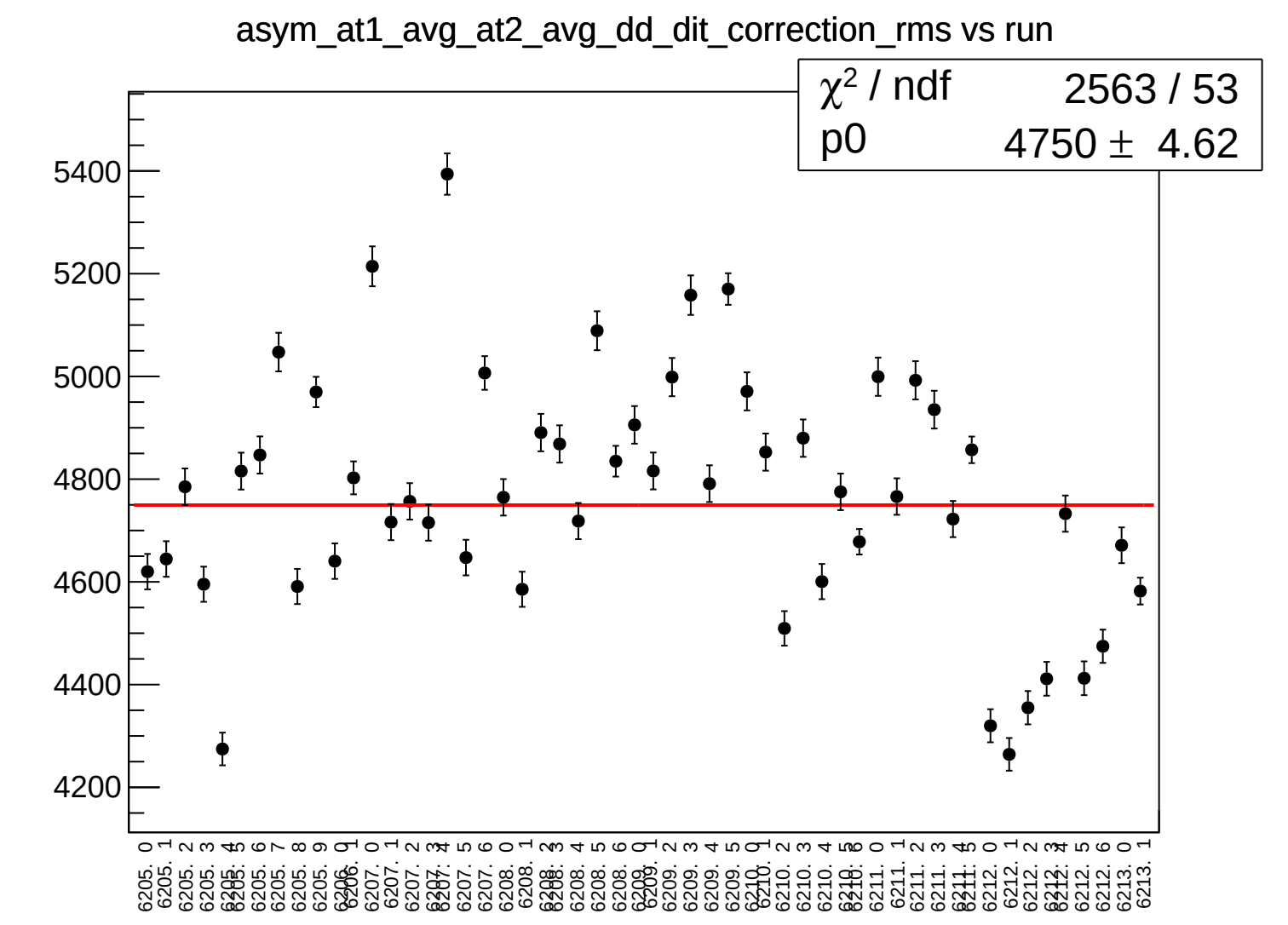

dit_asym_at1_avg_at2_avg_dd_mean vs run
χ² / ndf 56.44 / 53
p0 1426 ± 1751
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −24.76
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 54
Mean 0.009862
Std Dev 1.022
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 167.5 / 53
p0 1274 ± 1.238
1340
1320
1300
1280
1260
1240
1220
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_at1_avg_at2_avg_dd_dit_correction_mean vs run
×10^3
χ² / ndf 42.98 / 53
p0 −3960 ± 6534
150
100
50
0
−50
−100
−150
−200
pull
Entries 54
Mean −60.12
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 54
Mean 0.01034
Std Dev 0.8921
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_at1_avg_at2_avg_dd_dit_correction_rms vs run
χ² / ndf 2563 / 53
p0 4750 ± 4.62
5400
5200
5000
4800
4600
4400
4200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
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6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
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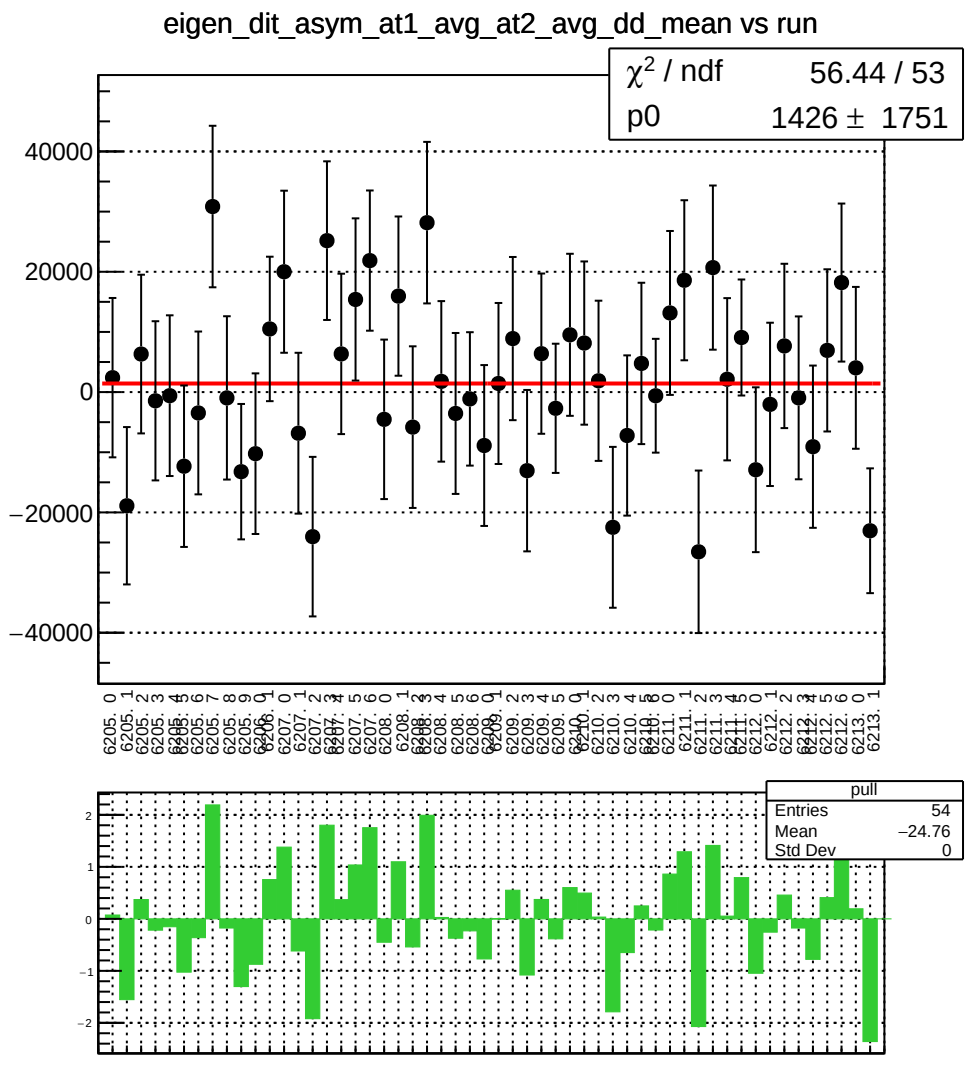
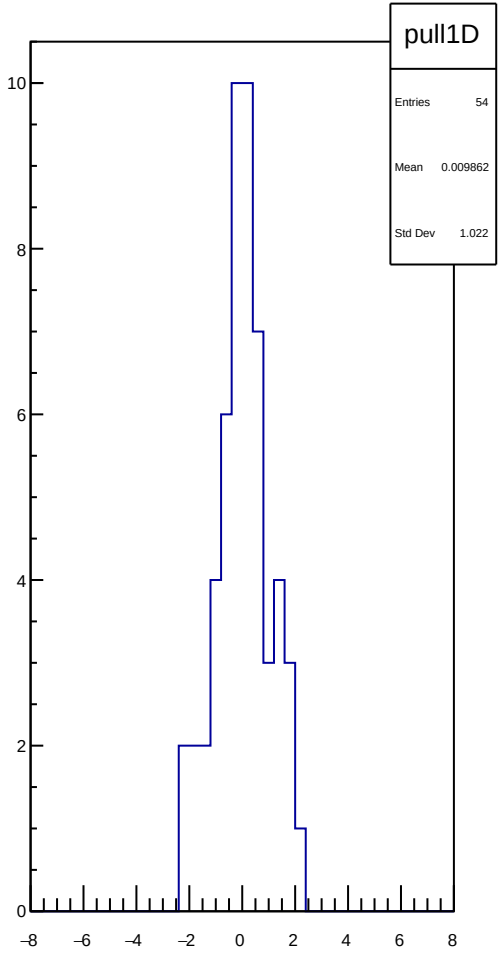
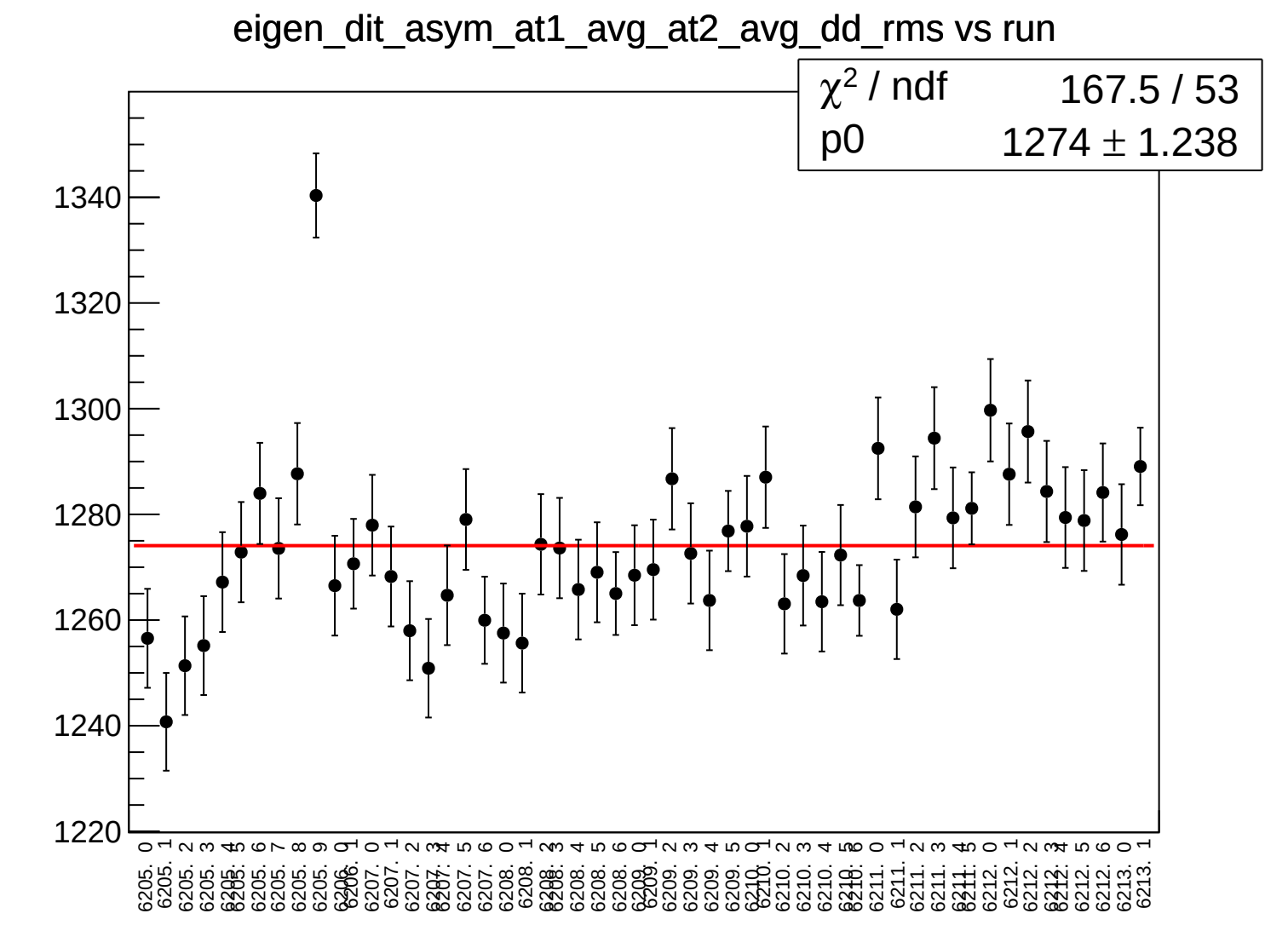
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


eigen_dit_asym_at1_avg_at2_avg_dd_mean vs run
χ² / ndf 56.44 / 53
p0 1426 ± 1751
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −24.76
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 54
Mean 0.009862
Std Dev 1.022
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_dit_asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 167.5 / 53
p0 1274 ± 1.238
1340
1320
1300
1280
1260
1240
1220
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
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6207. 6
6208. 0
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6208. 3
6208. 4
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6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
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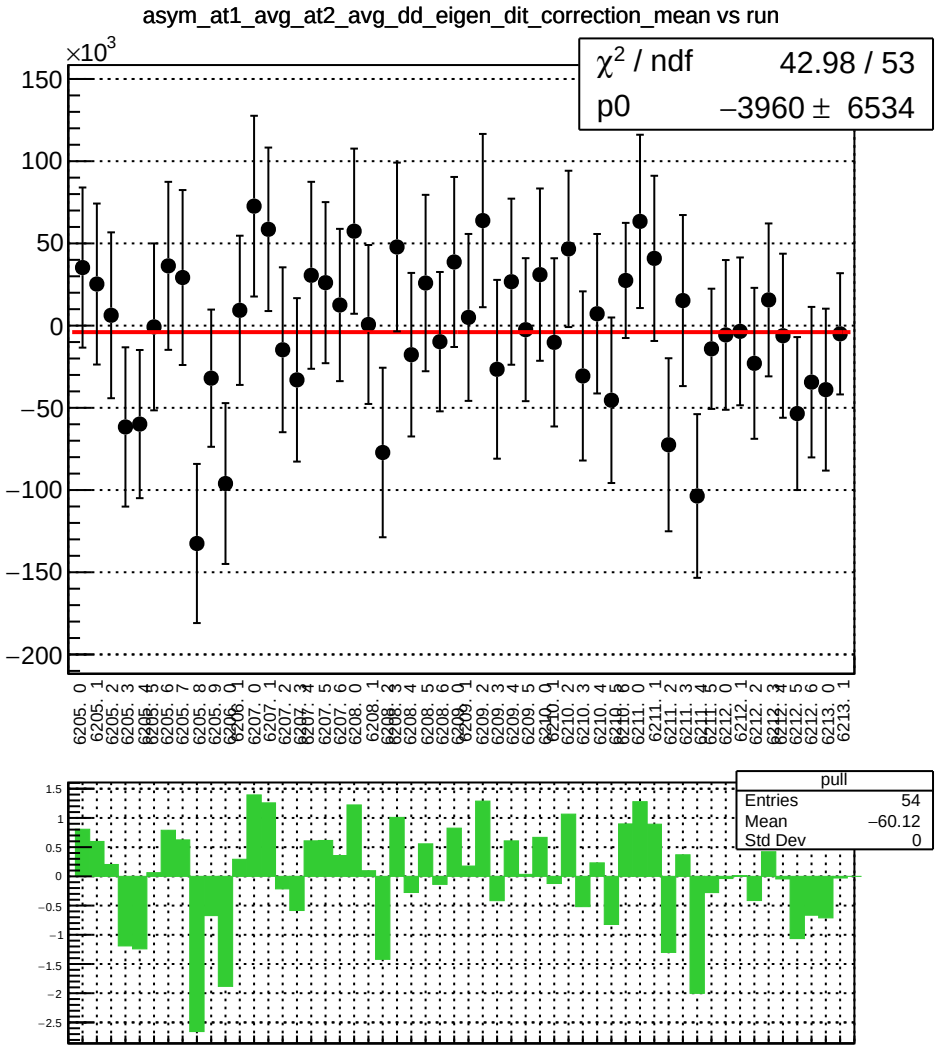
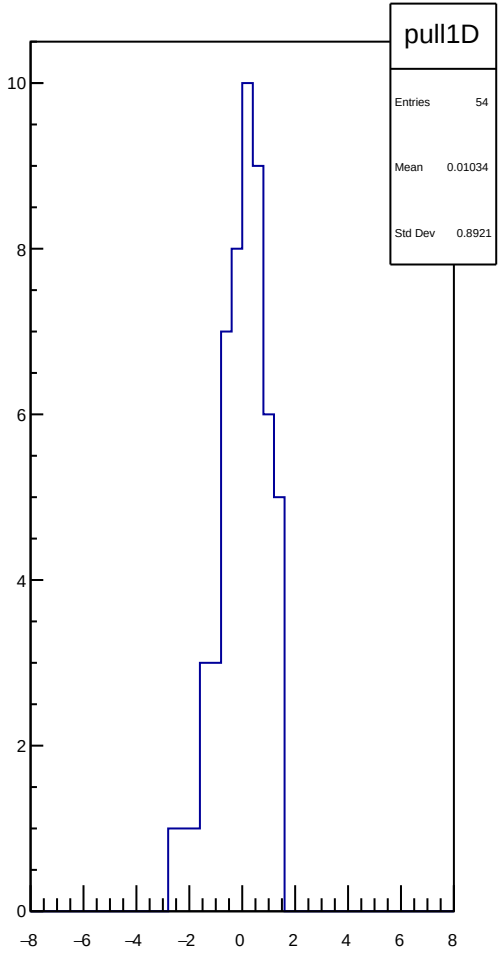
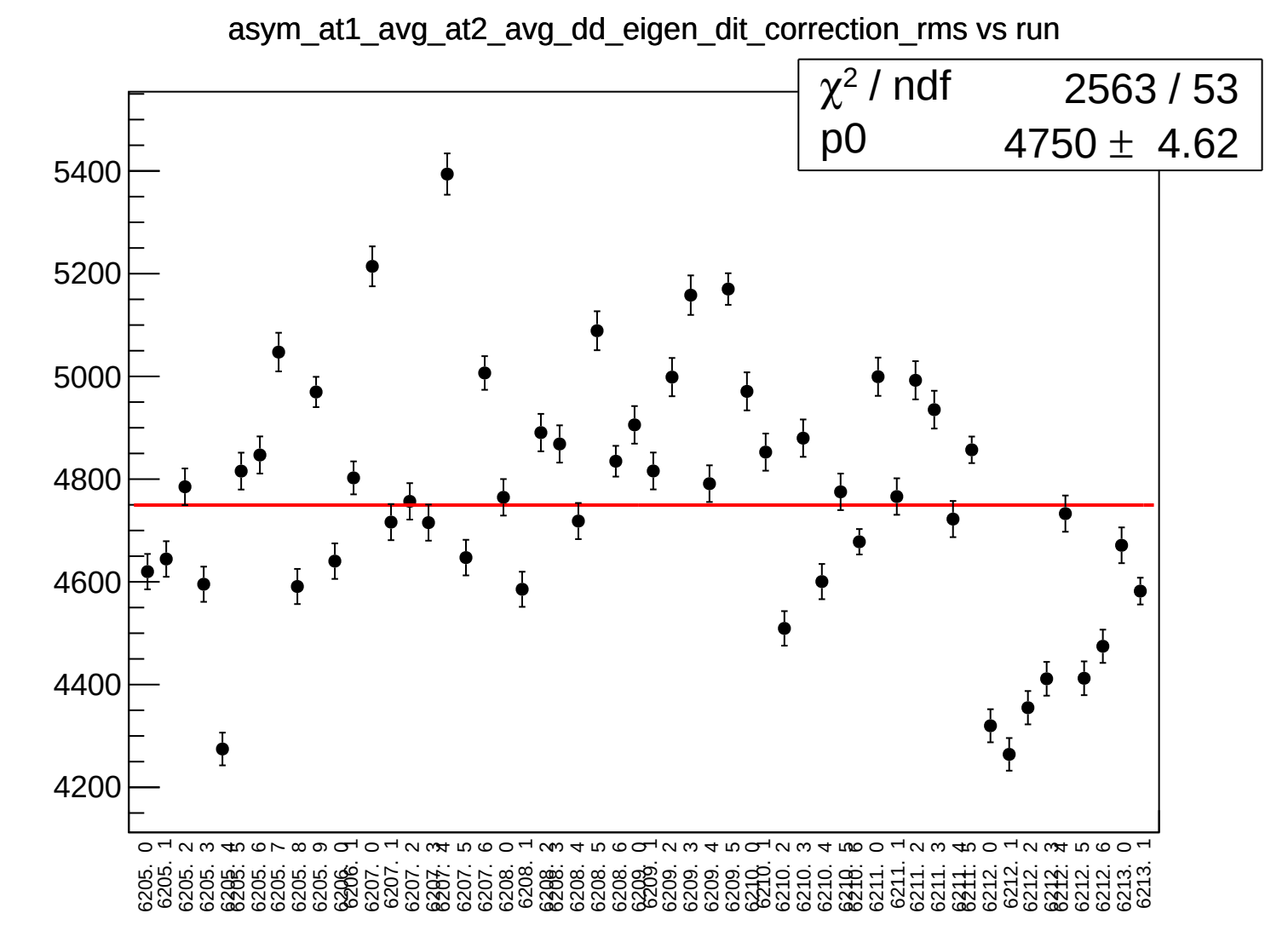
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_at1_avg_at2_avg_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 42.98 / 53
p0 −3960 ± 6534
150
100
50
0
−50
−100
−150
−200
pull
Entries 54
Mean −60.12
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 54
Mean 0.01034
Std Dev 0.8921
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_at1_avg_at2_avg_dd_eigen_dit_correction_rms vs run
χ² / ndf 2563 / 53
p0 4750 ± 4.62
5400
5200
5000
4800
4600
4400
4200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
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6207. 4
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6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
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6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
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6212. 2
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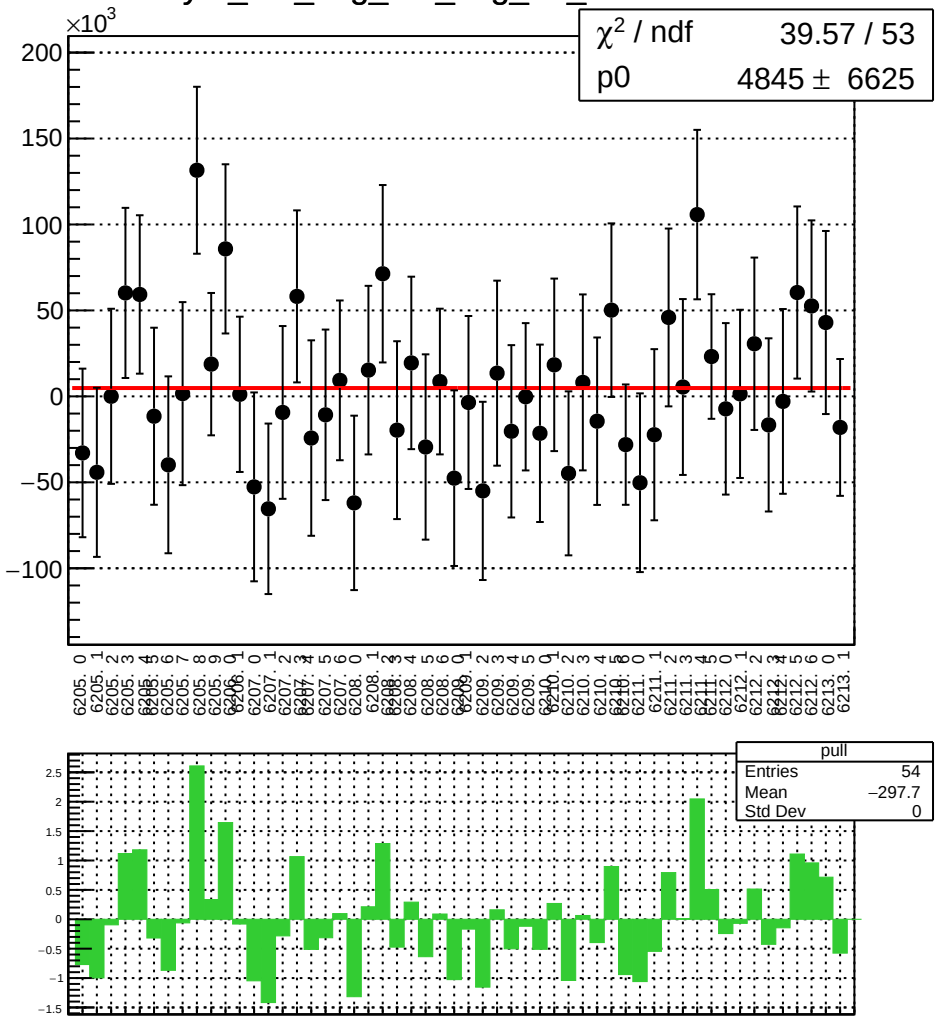
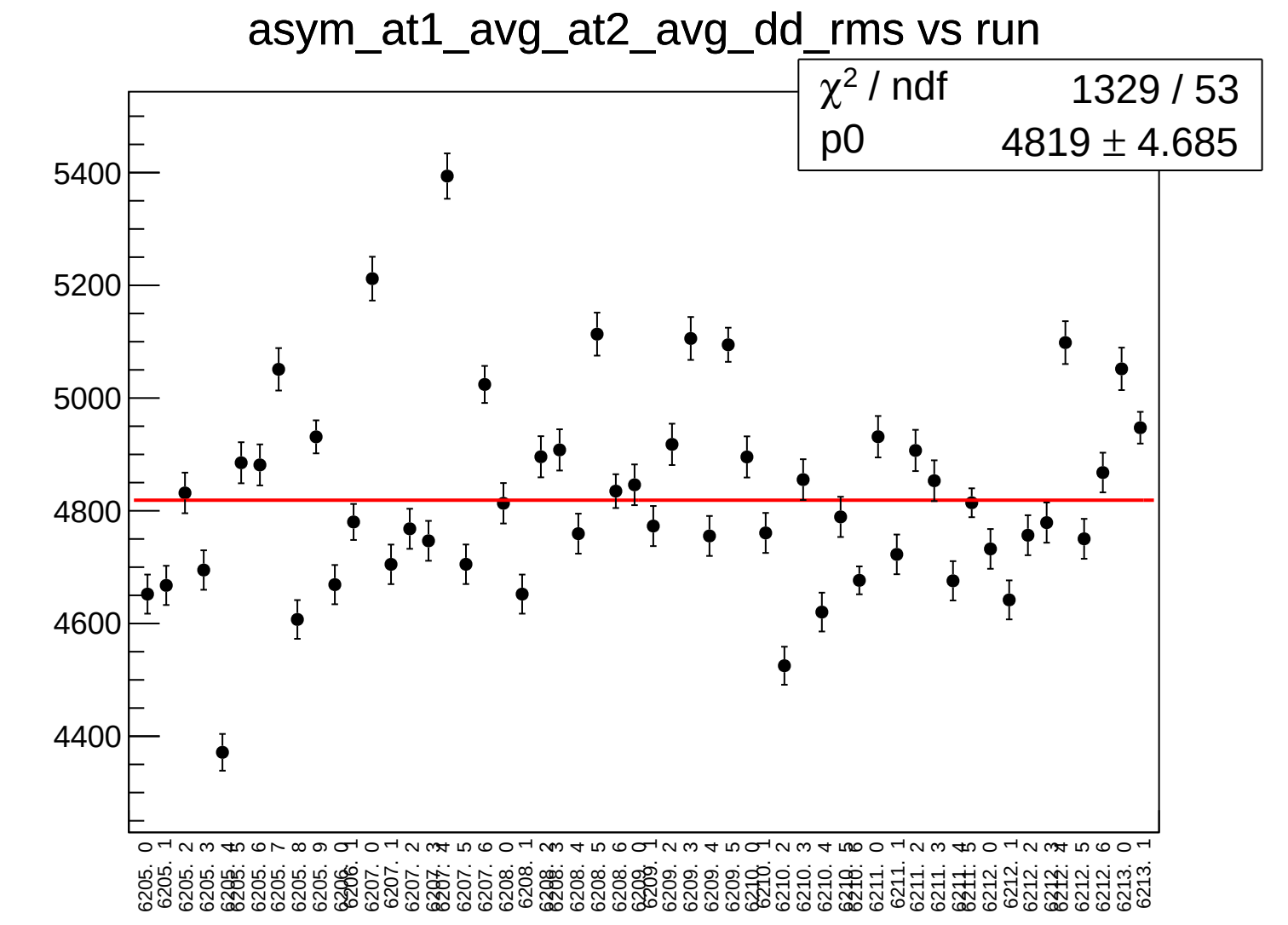
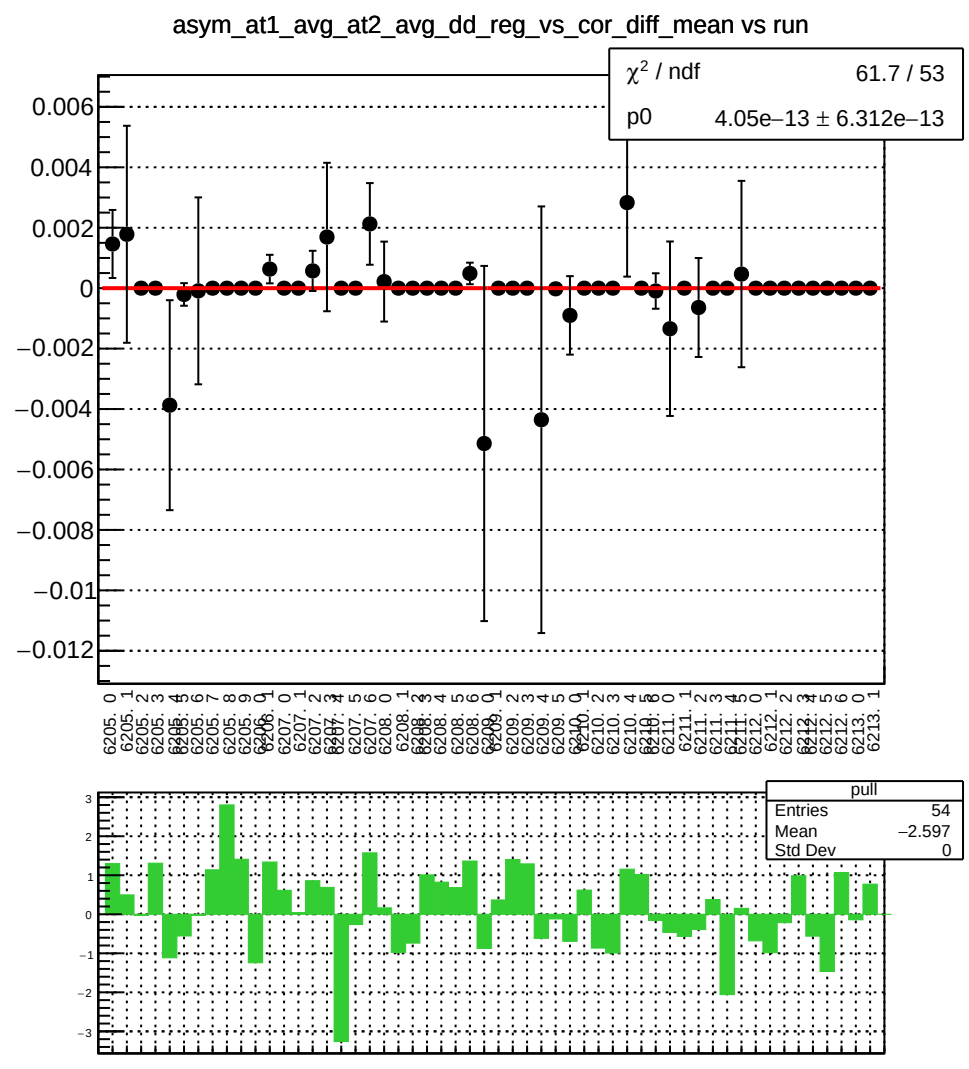
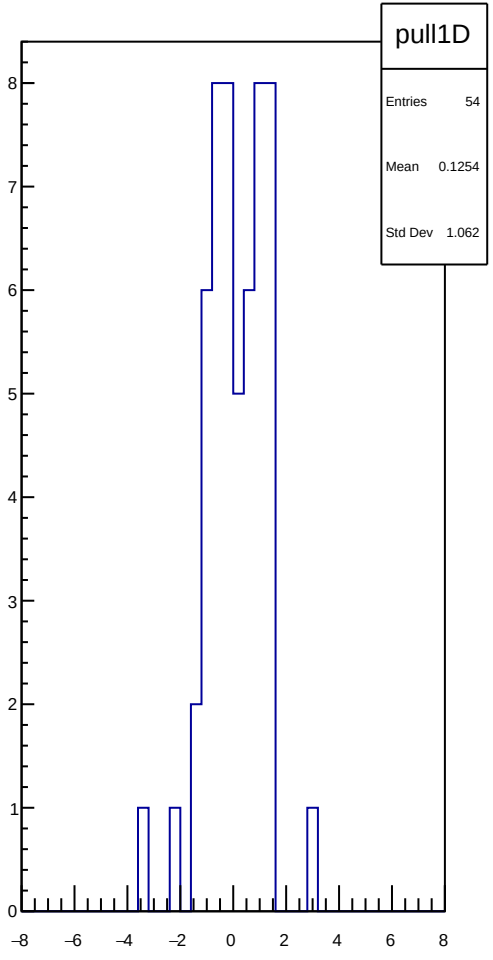
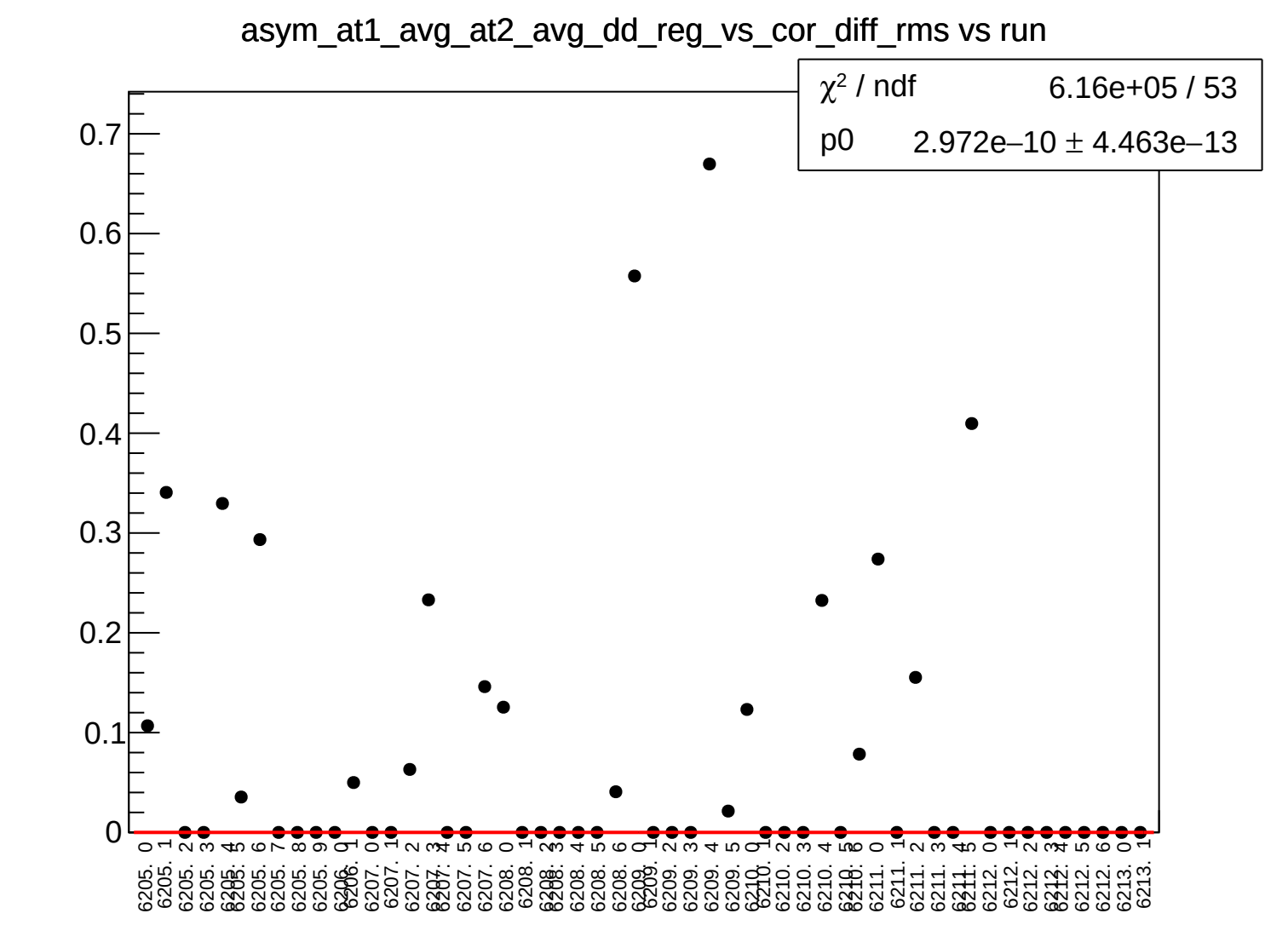
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

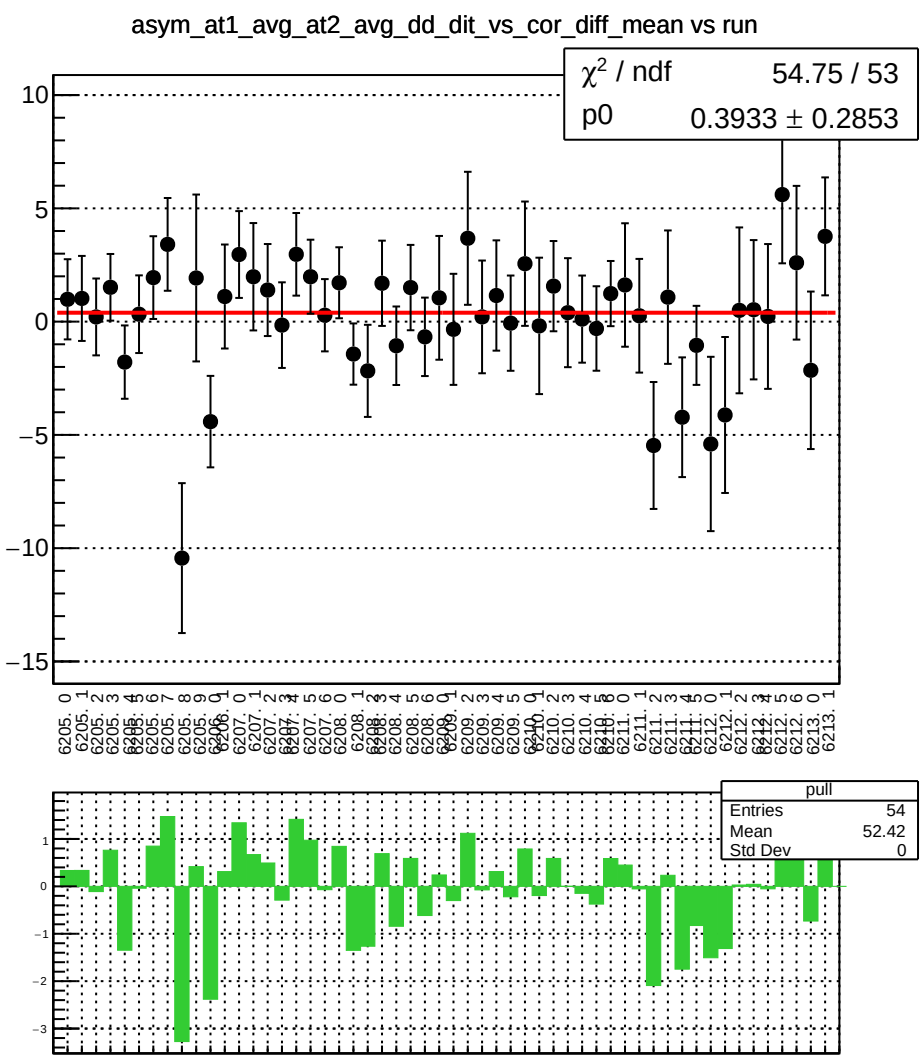

asym_at1_avg_at2_avg_dd_mean vs run
χ² / ndf 39.57 / 53
p0 4845 ± 6625
pull
Entries 54
Mean −297.7
Std Dev 0
pull1D
Entries 54
Mean −0.002286
Std Dev 0.8561

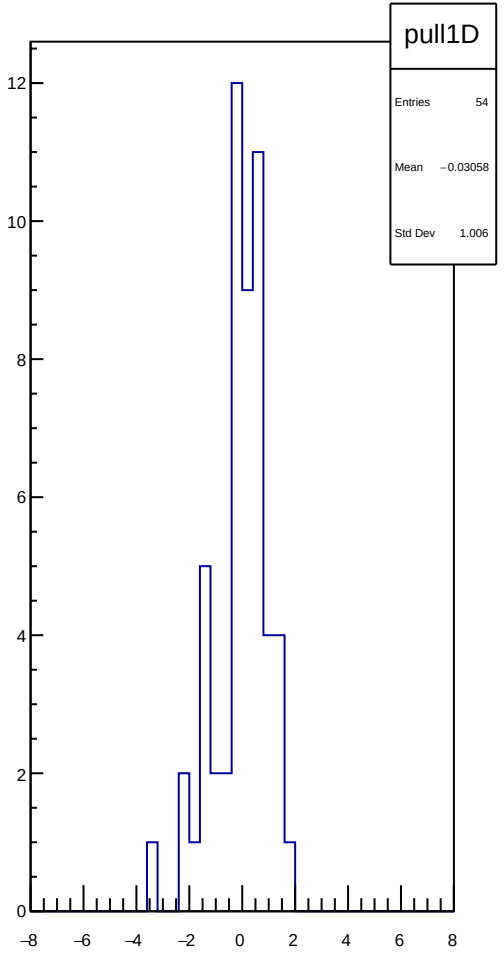

asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 1329 / 53
p0 4819 ± 4.685
5400
5200
5000
4800
4600
4400
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

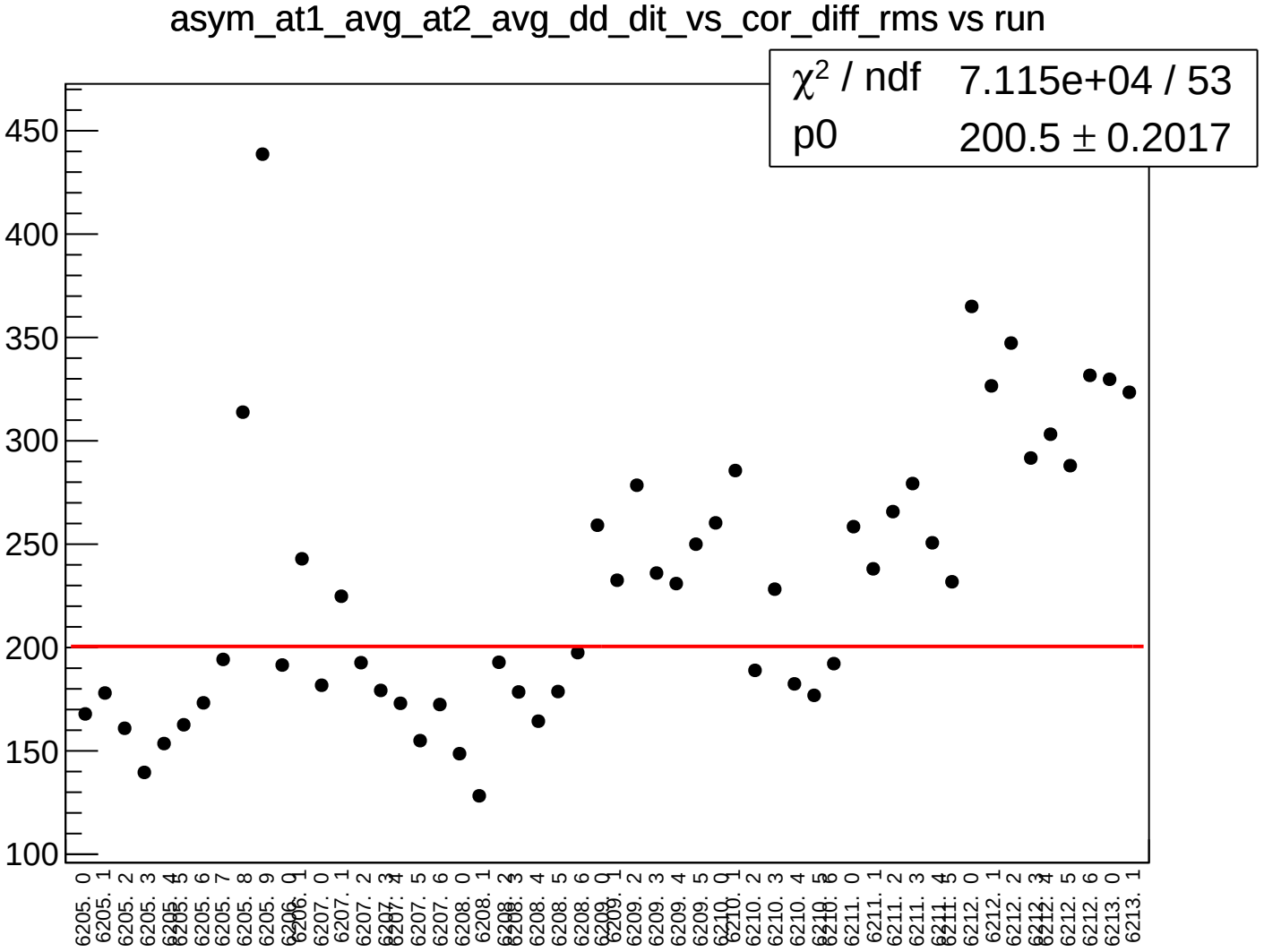

asym_at1_avg_at2_avg_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 61.7 / 53
p0 4.05e−13 ± 6.312e−13
pull
Entries 54
Mean −2.597
Std Dev 0

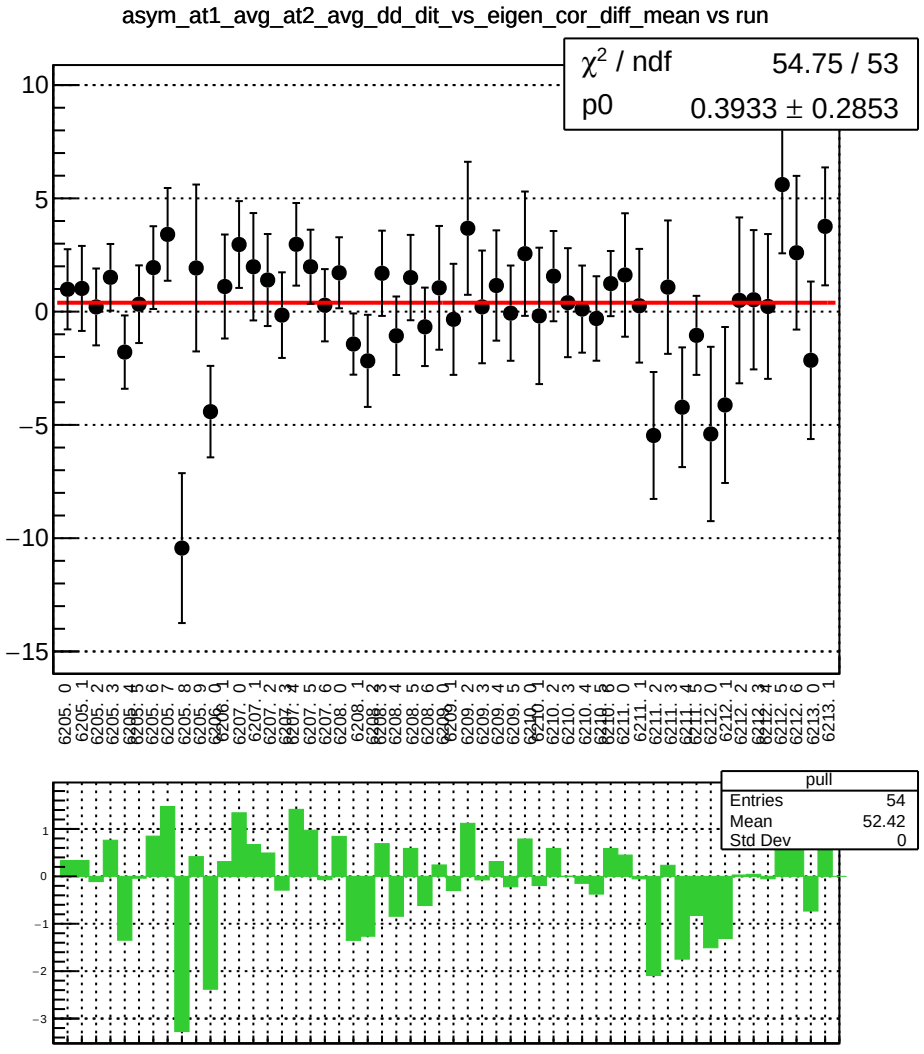

pull1D
Entries 54
Mean 0.1254
Std Dev 1.062

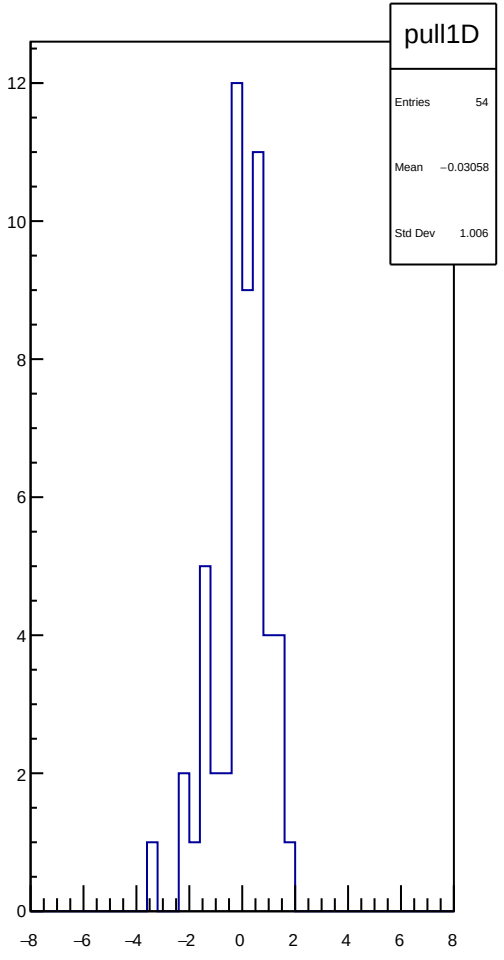

asym_at1_avg_at2_avg_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.16e+05 / 53
p0 2.972e−10 ± 4.463e−13
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 1
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

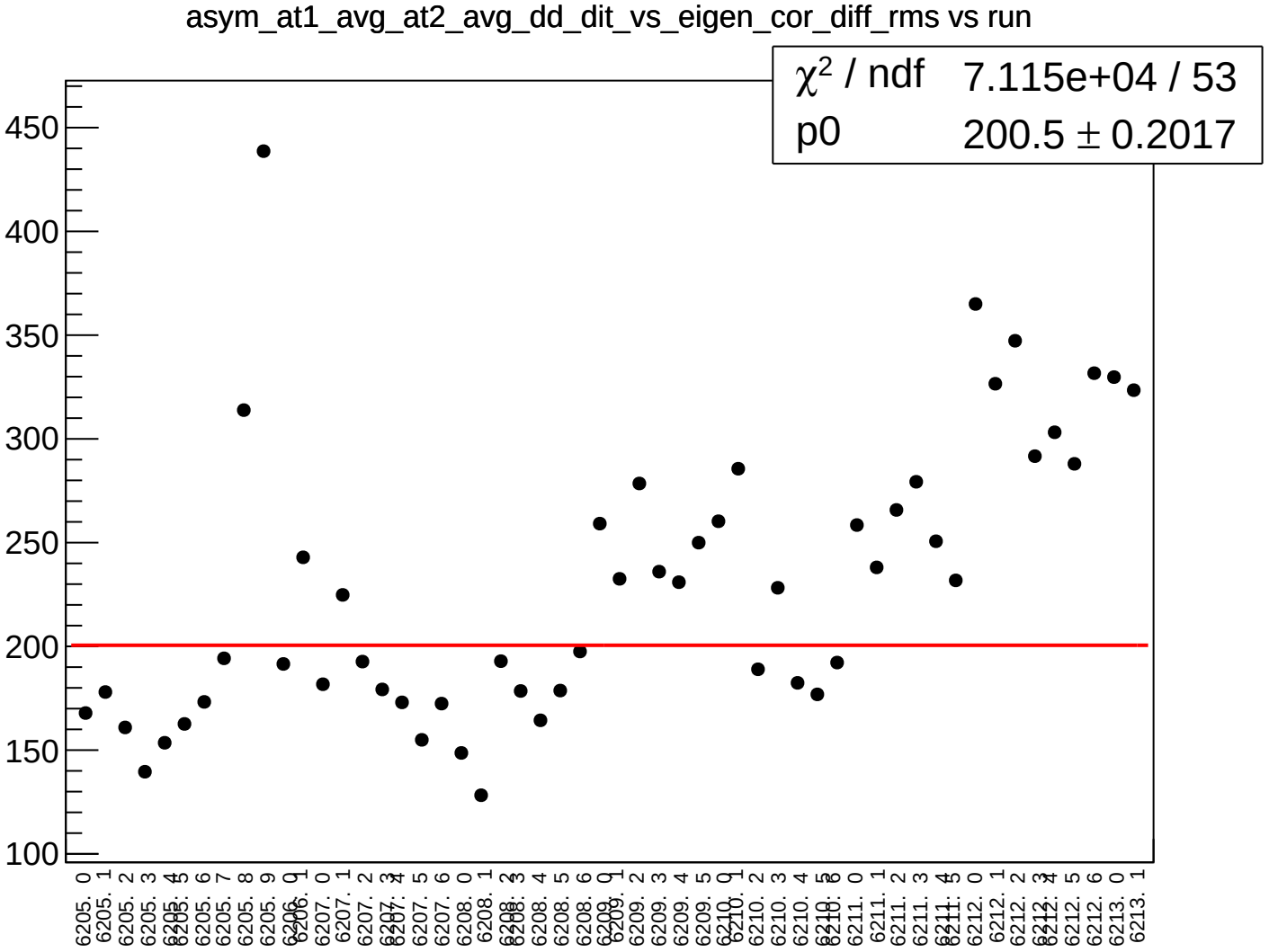

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 54.75 / 53
p0 0.3933 ± 0.2853
pull
Entries 54
Mean 52.42
Std Dev 0

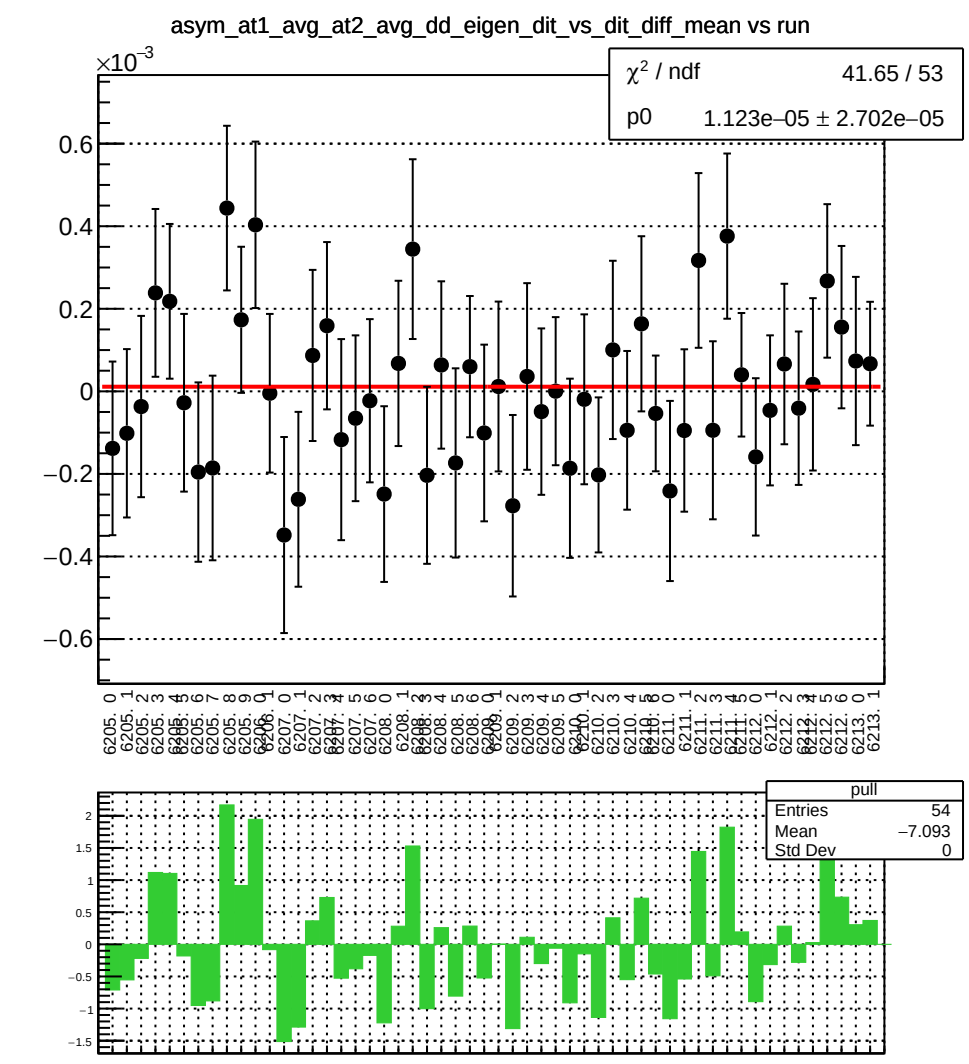

pull1D
Entries 54
Mean −0.03058
Std Dev 1.006

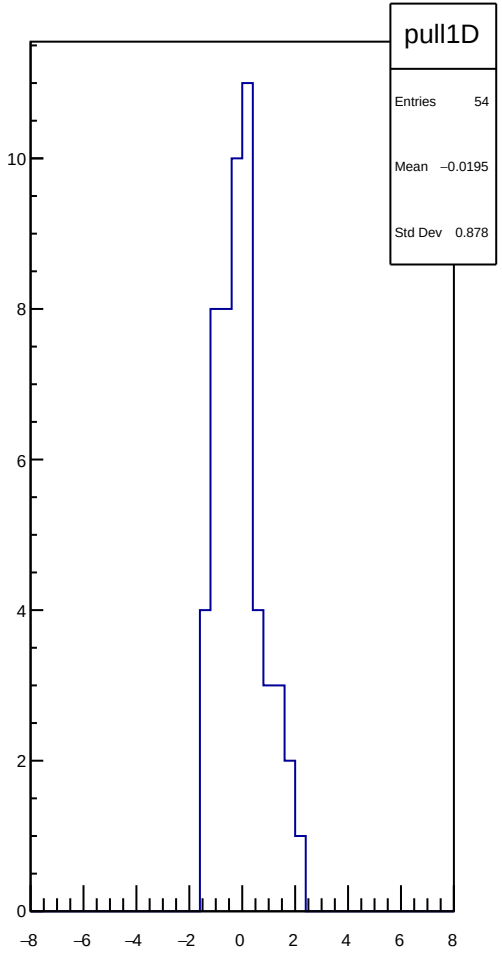

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 7.115e+04 / 53
p0 200.5 ± 0.2017
450
400
350
300
250
200
150
100
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 1
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

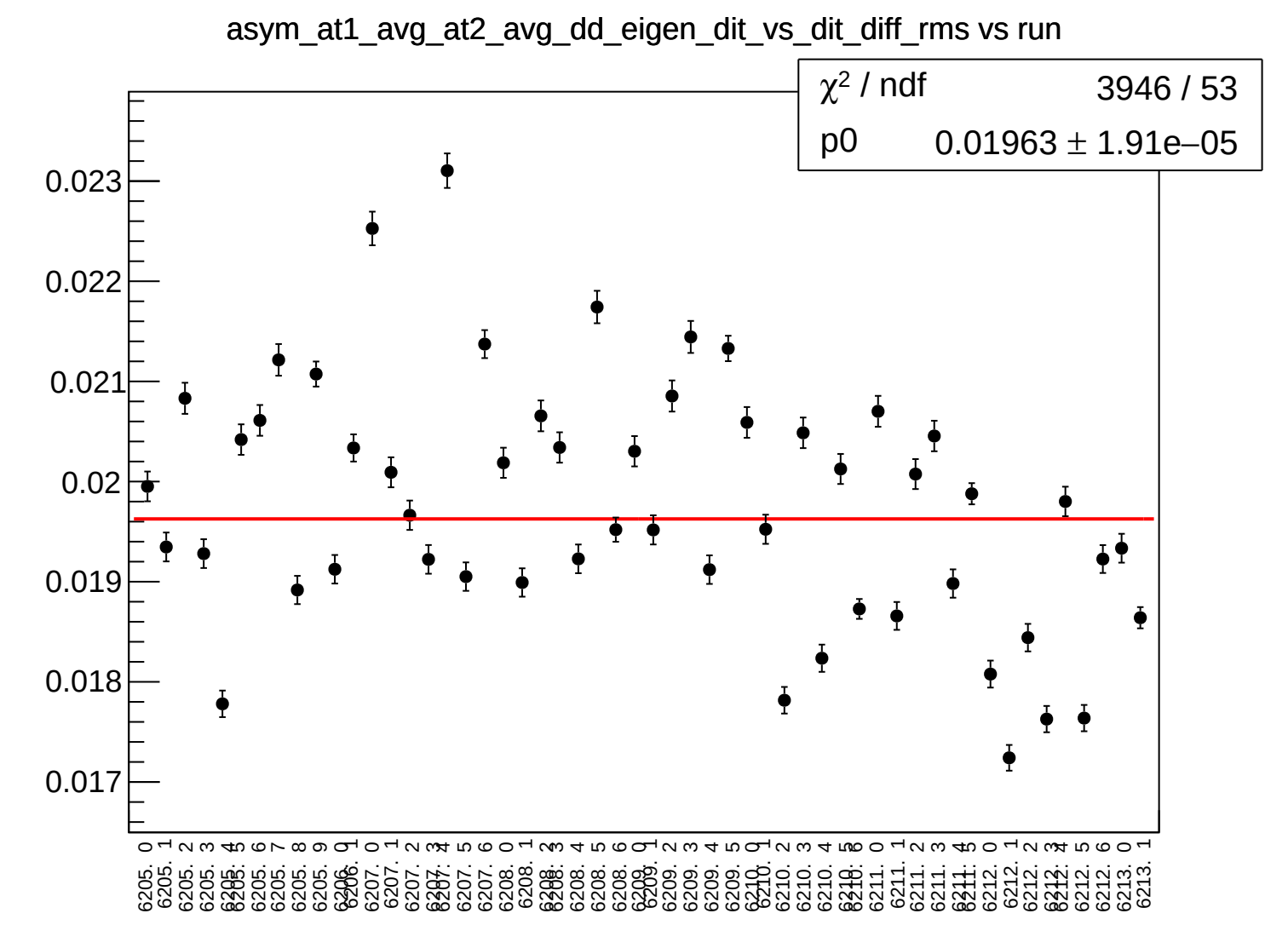

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 54.75 / 53
p0 0.3933 ± 0.2853
pull
Entries 54
Mean 52.42
Std Dev 0

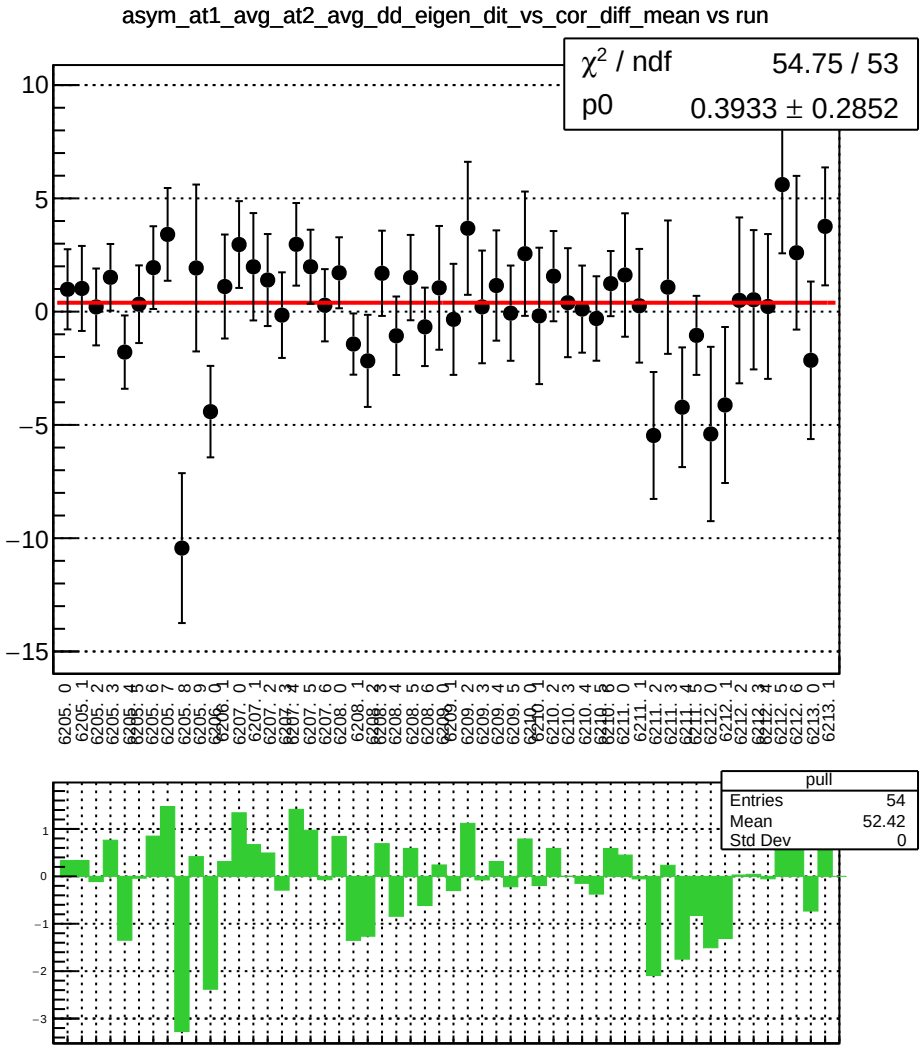

pull1D
Entries 54
Mean −0.03058
Std Dev 1.006

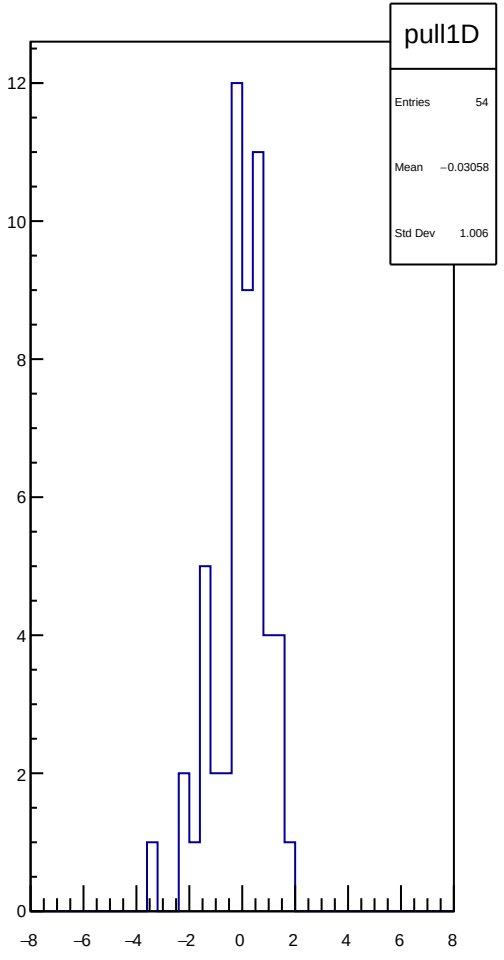

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.115e+04 / 53
p0 200.5 ± 0.2017
450
400
350
300
250
200
150
100
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 1
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

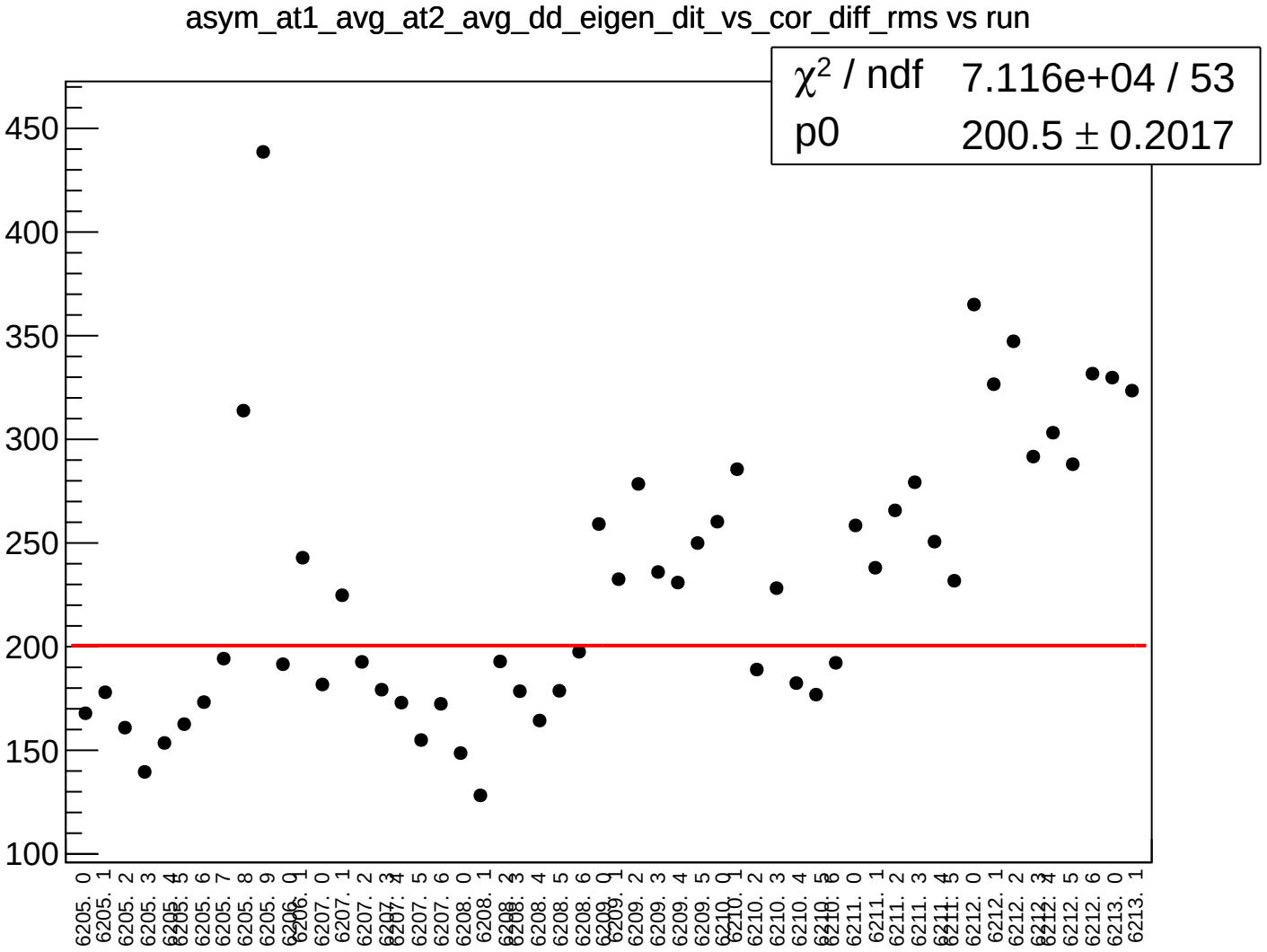

asym_at1_avg_at2_avg_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 41.65 / 53
p0 1.123e−05 ± 2.702e−05
pull
Entries 54
Mean −7.093
Std Dev 0

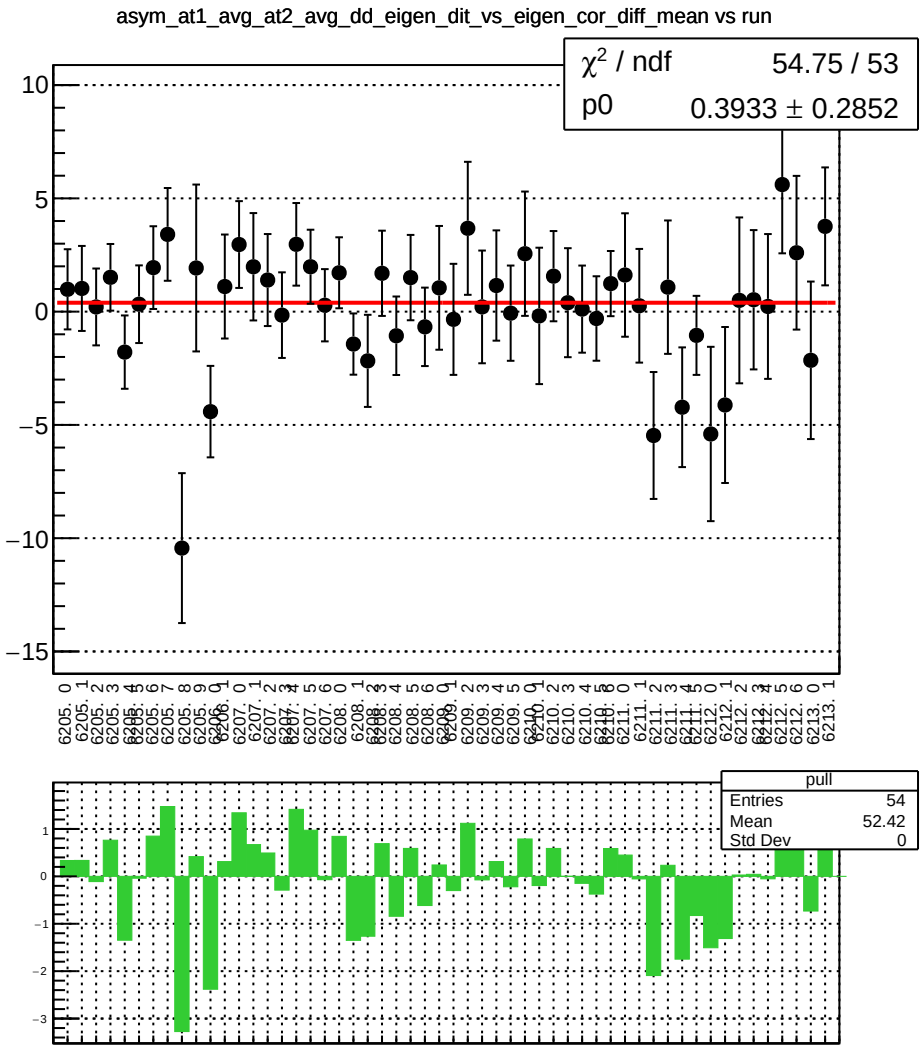

pull1D
Entries 54
Mean −0.0195
Std Dev 0.878

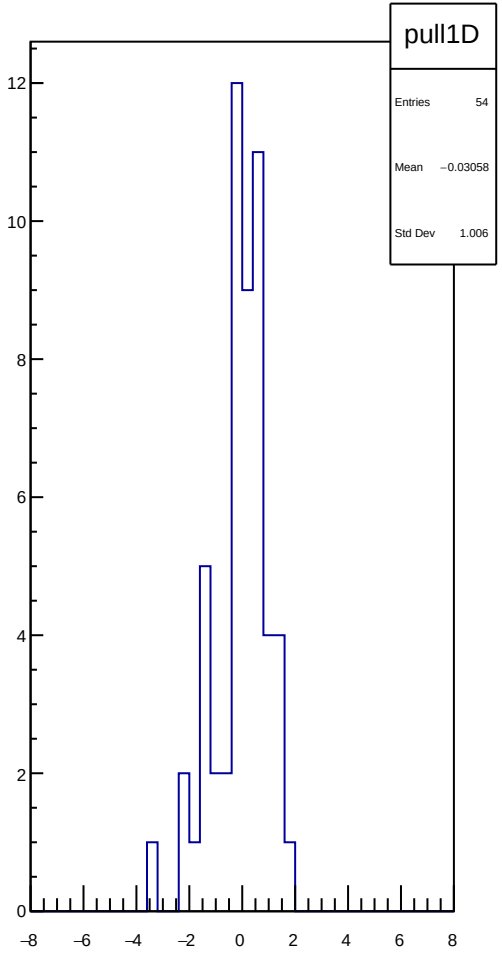

asym_at1_avg_at2_avg_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3946 / 53
p0 0.01963 ± 1.91e−05
0.023
0.022
0.021
0.02
0.019
0.018
0.017
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

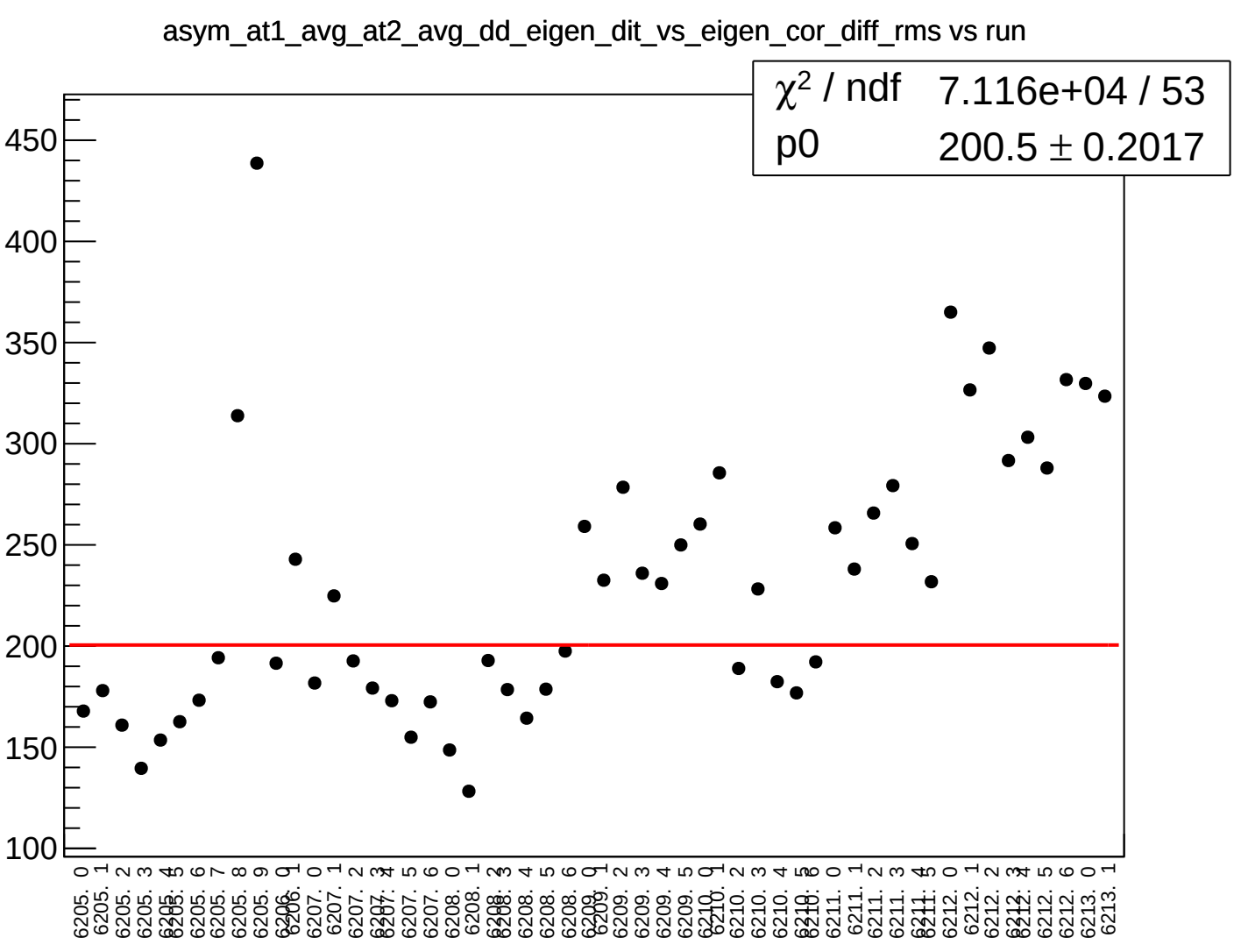

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 54.75 / 53
p0 0.3933 ± 0.2852
pull
Entries 54
Mean 52.42
Std Dev 0

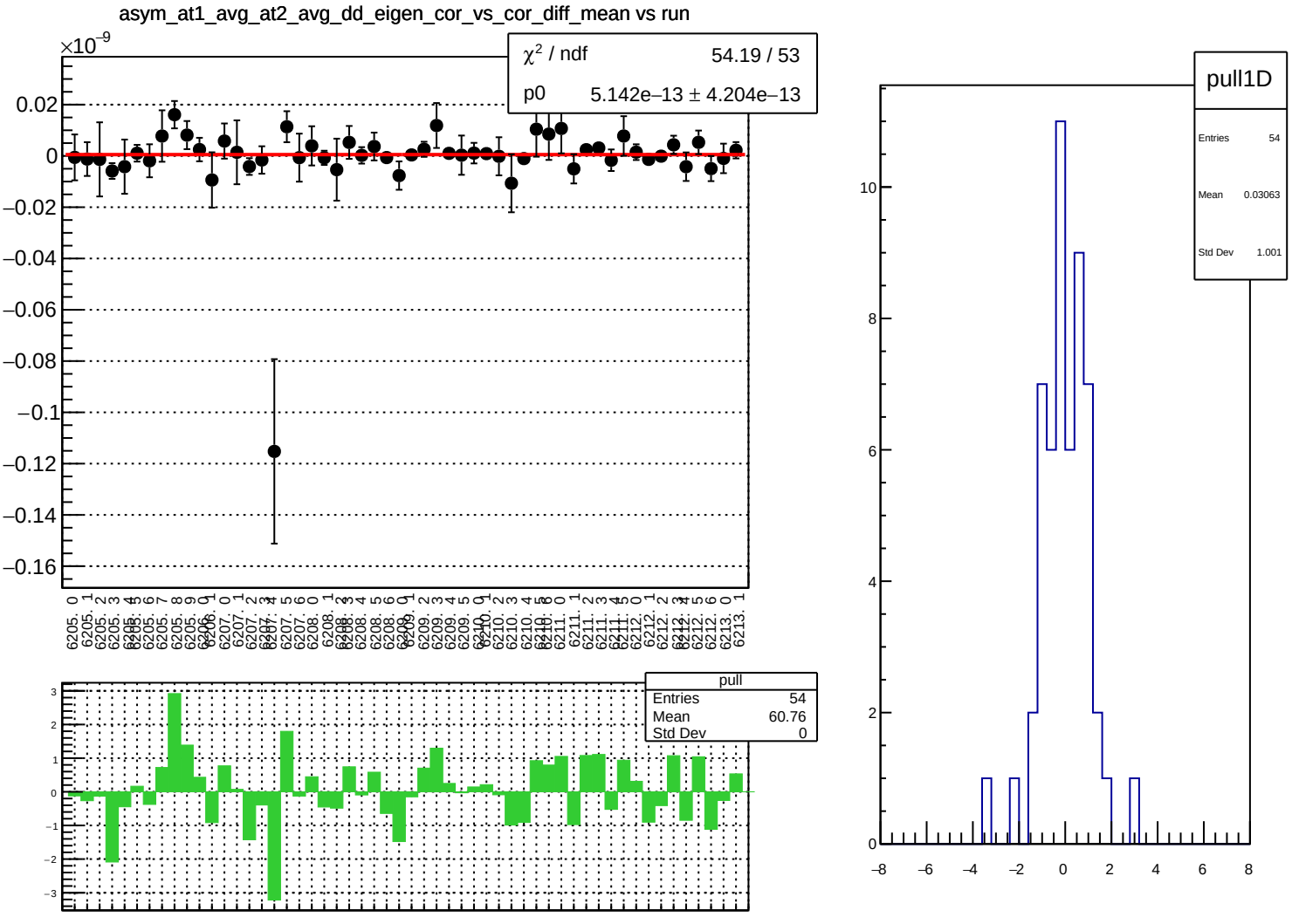

pull1D
Entries 54
Mean −0.03058
Std Dev 1.006

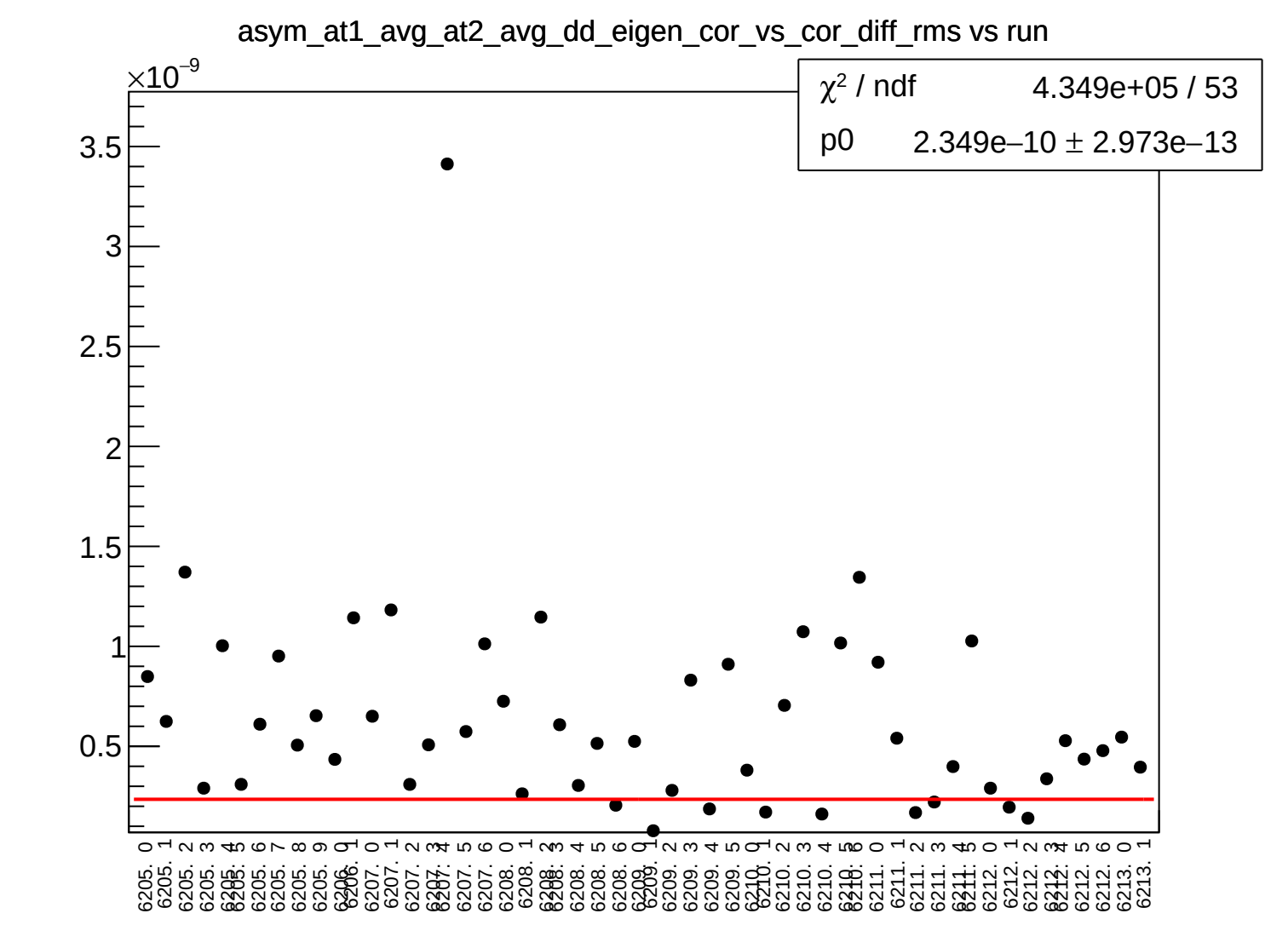

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 7.116e+04 / 53
p0 200.5 ± 0.2017
450
400
350
300
250
200
150
100
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 1
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1


asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 54.75 / 53
p0 0.3933 ± 0.2852
pull
Entries 54
Mean 52.42
Std Dev 0


pull1D
Entries 54
Mean −0.03058
Std Dev 1.006


asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.116e+04 / 53
p0 200.5 ± 0.2017
450
400
350
300
250
200
150
100
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_at1_avg_at2_avg_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻⁹
χ² / ndf 54.19 / 53
p0 5.142e−13 ± 4.204e−13
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
−0.16
pull
Entries 54
Mean 60.76
Std Dev 0
pull1D
Entries 54
Mean 0.03063
Std Dev 1.001
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_at1_avg_at2_avg_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.349e+05 / 53
p0 2.349e−10 ± 2.973e−13
3.5
3
2.5
2
1.5
1
0.5
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
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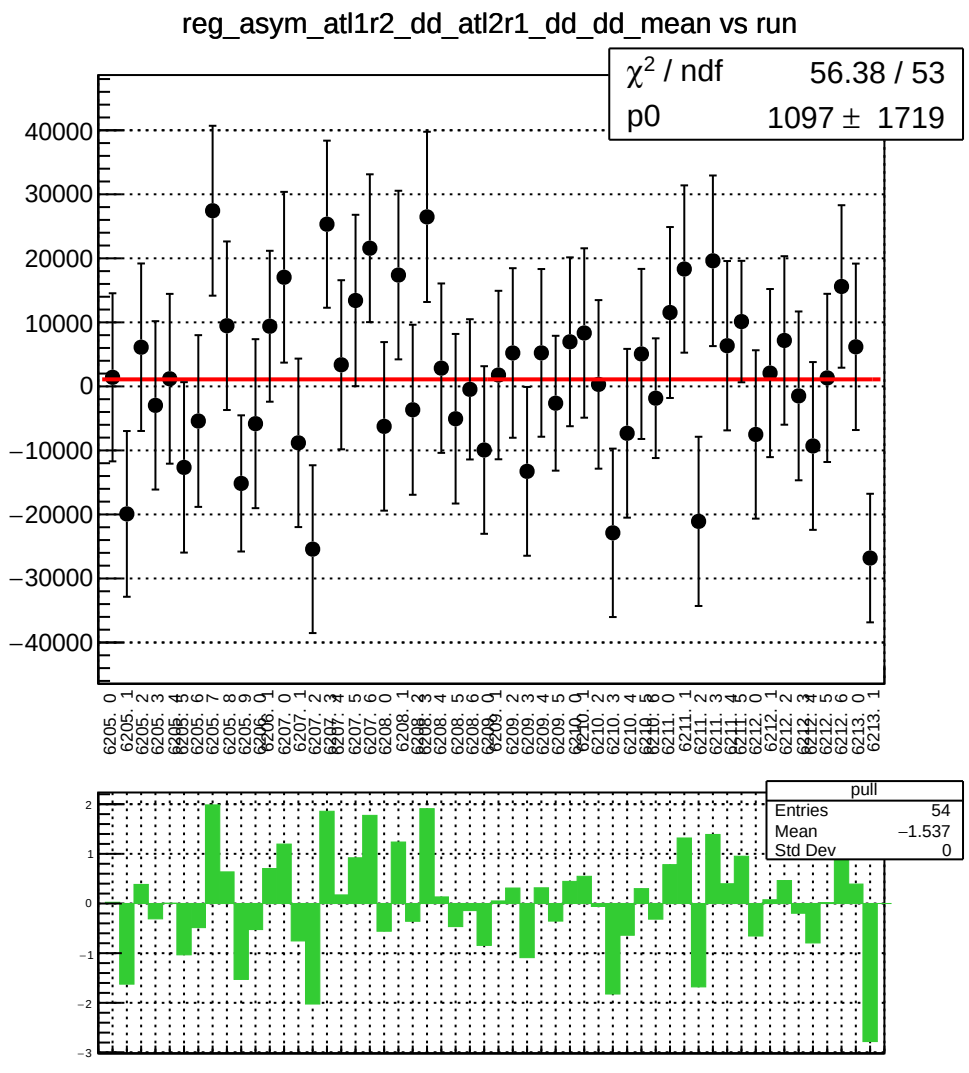
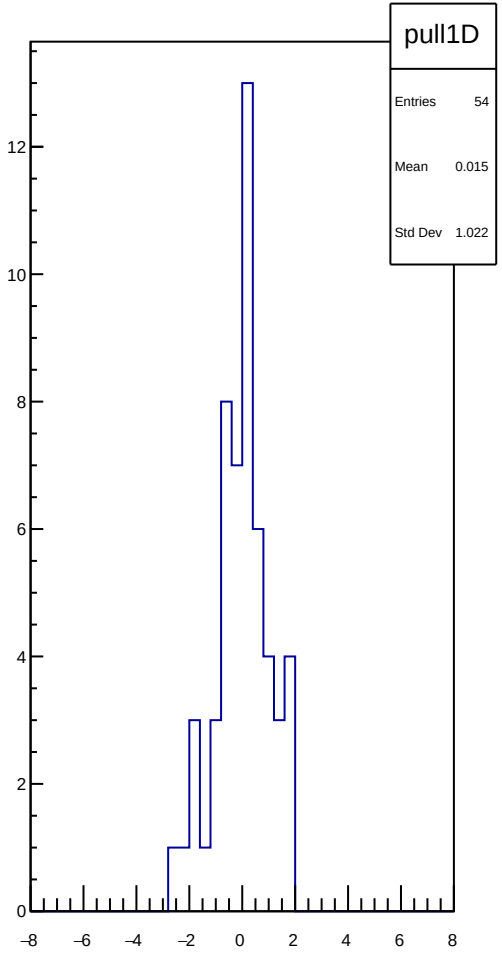
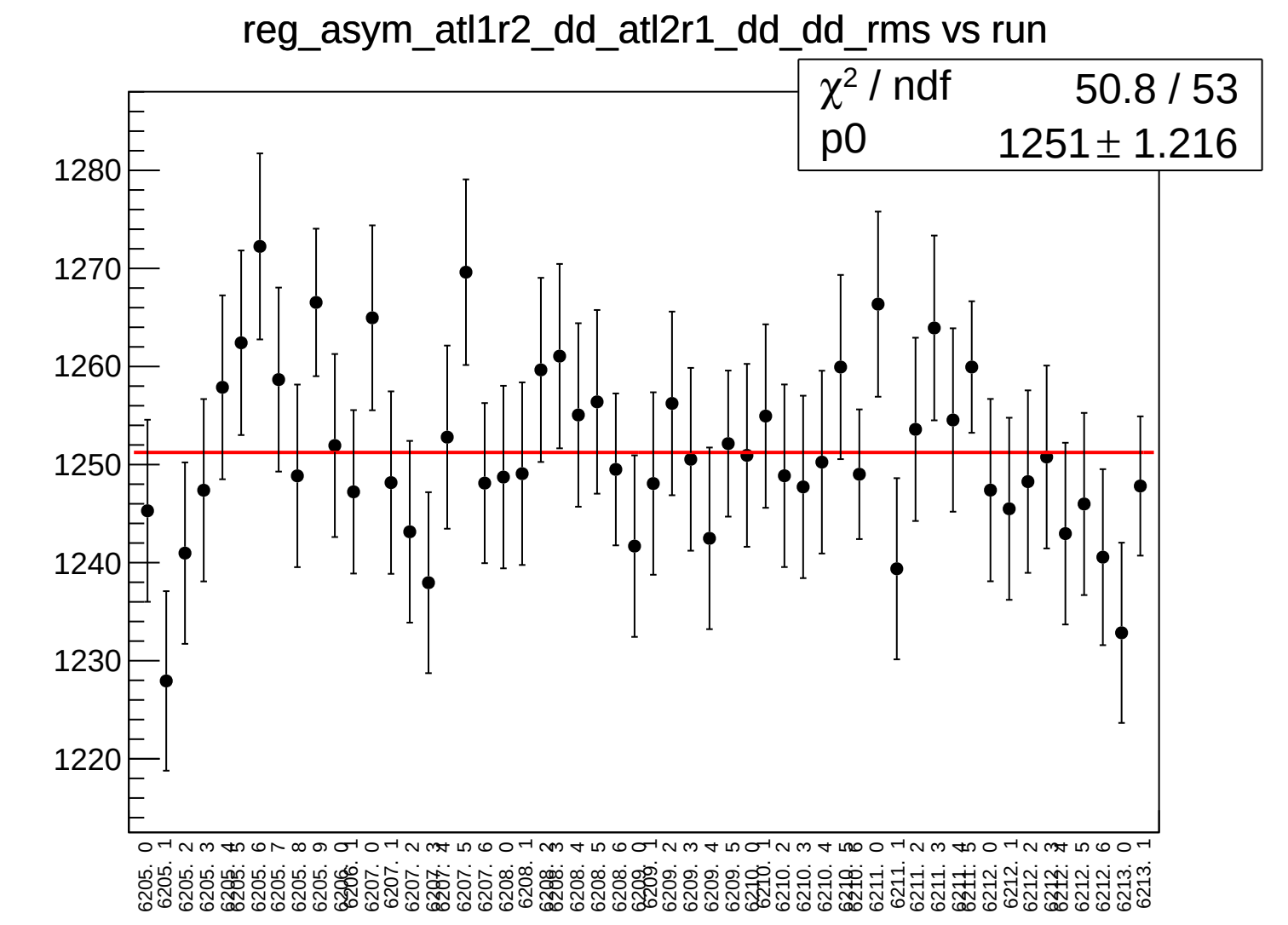
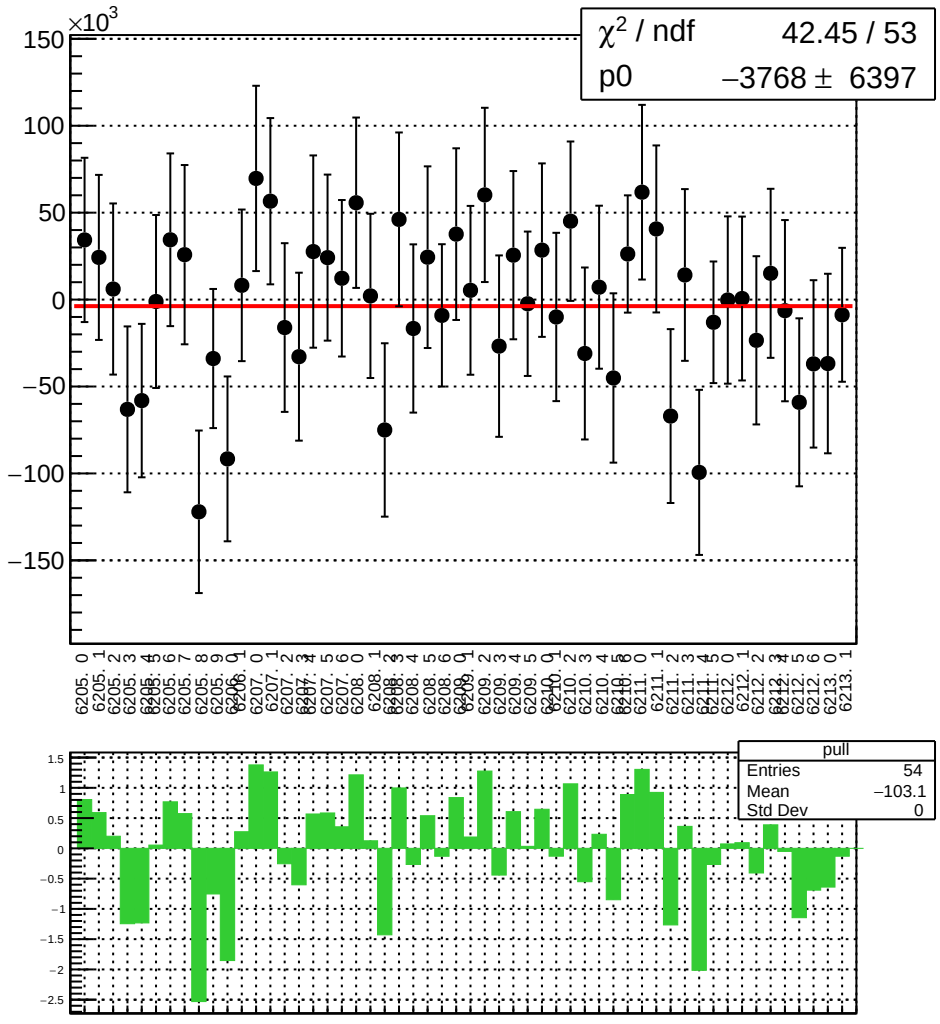
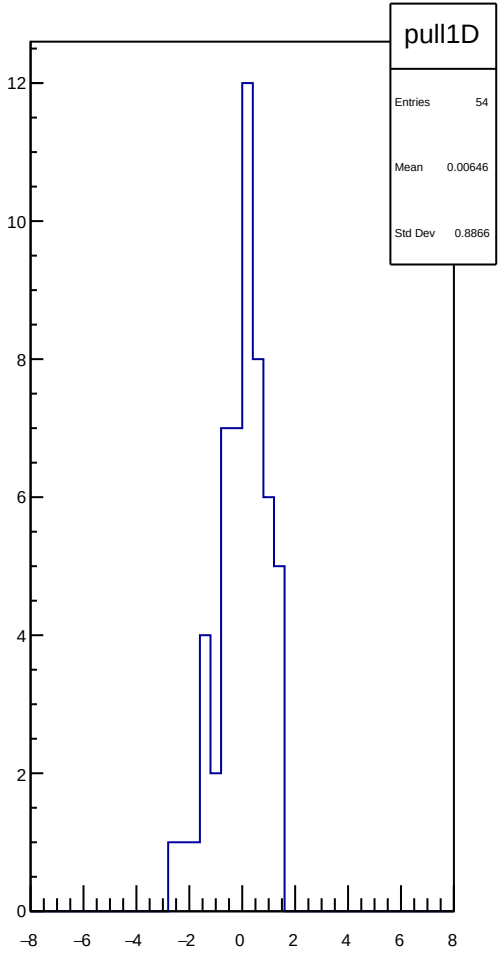
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

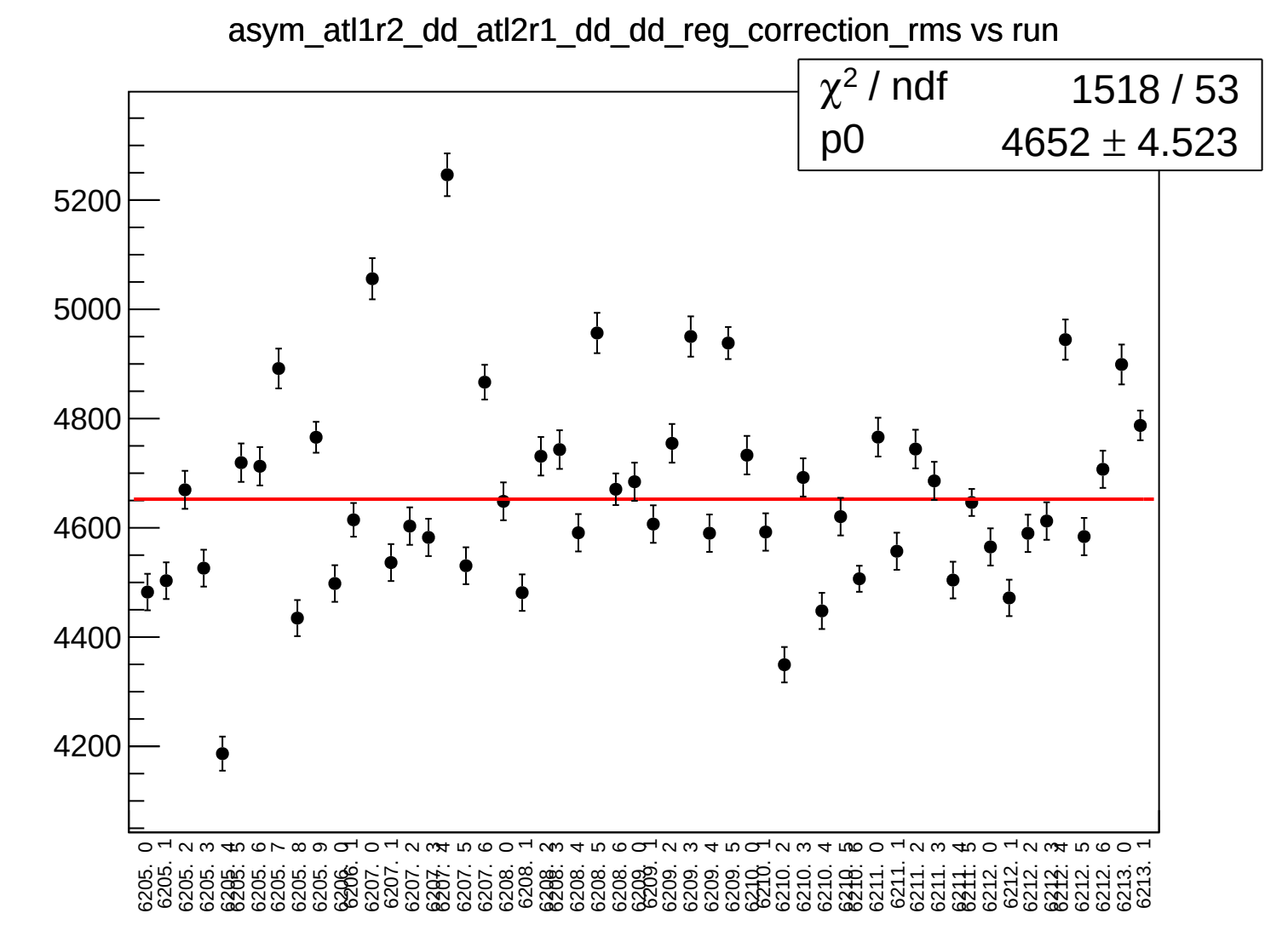

reg_asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
χ² / ndf 56.38 / 53
p0 1097 ± 1719
pull
Entries 54
Mean −1.537
Std Dev 0

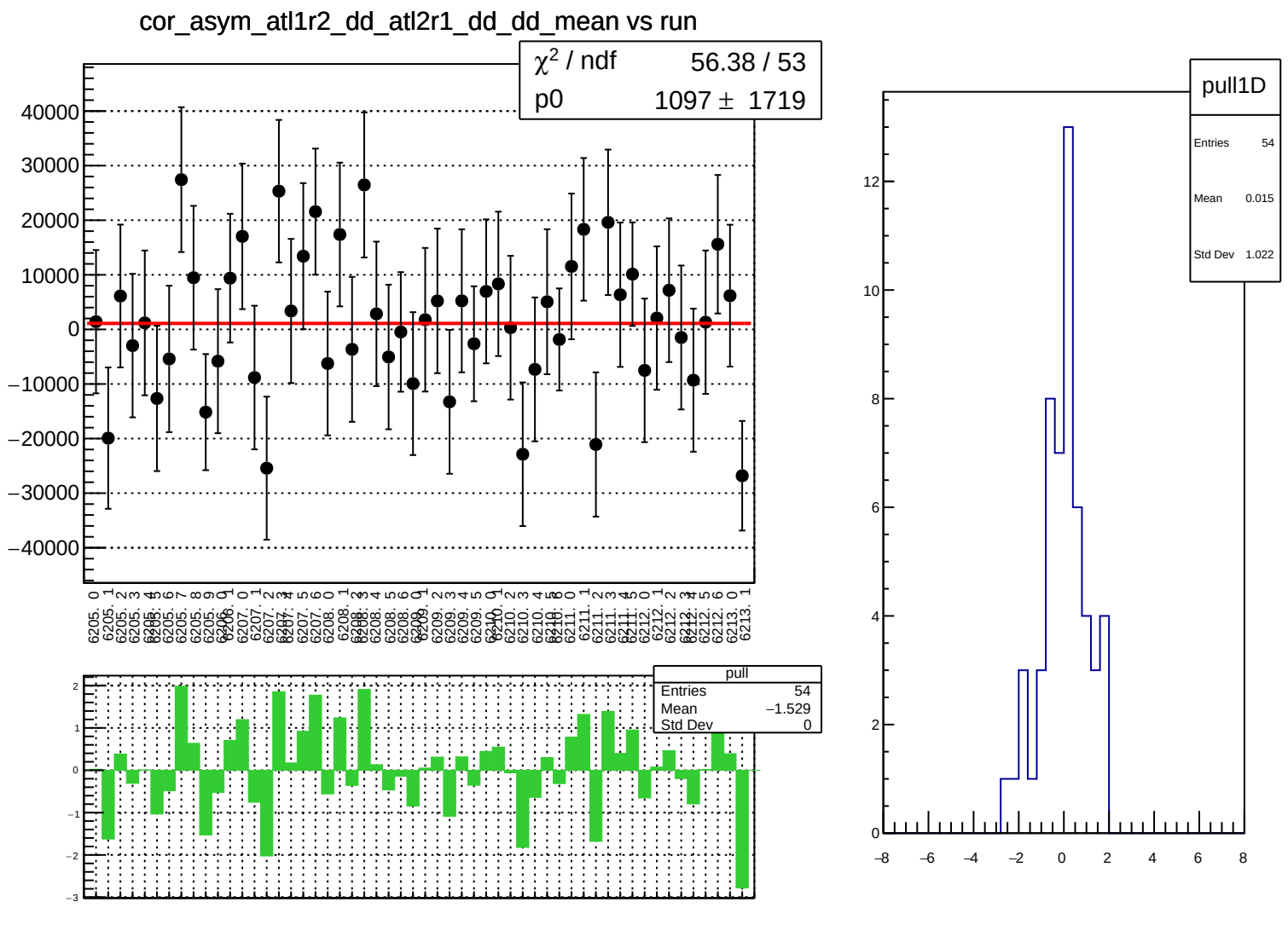

pull1D
Entries 54
Mean 0.015
Std Dev 1.022

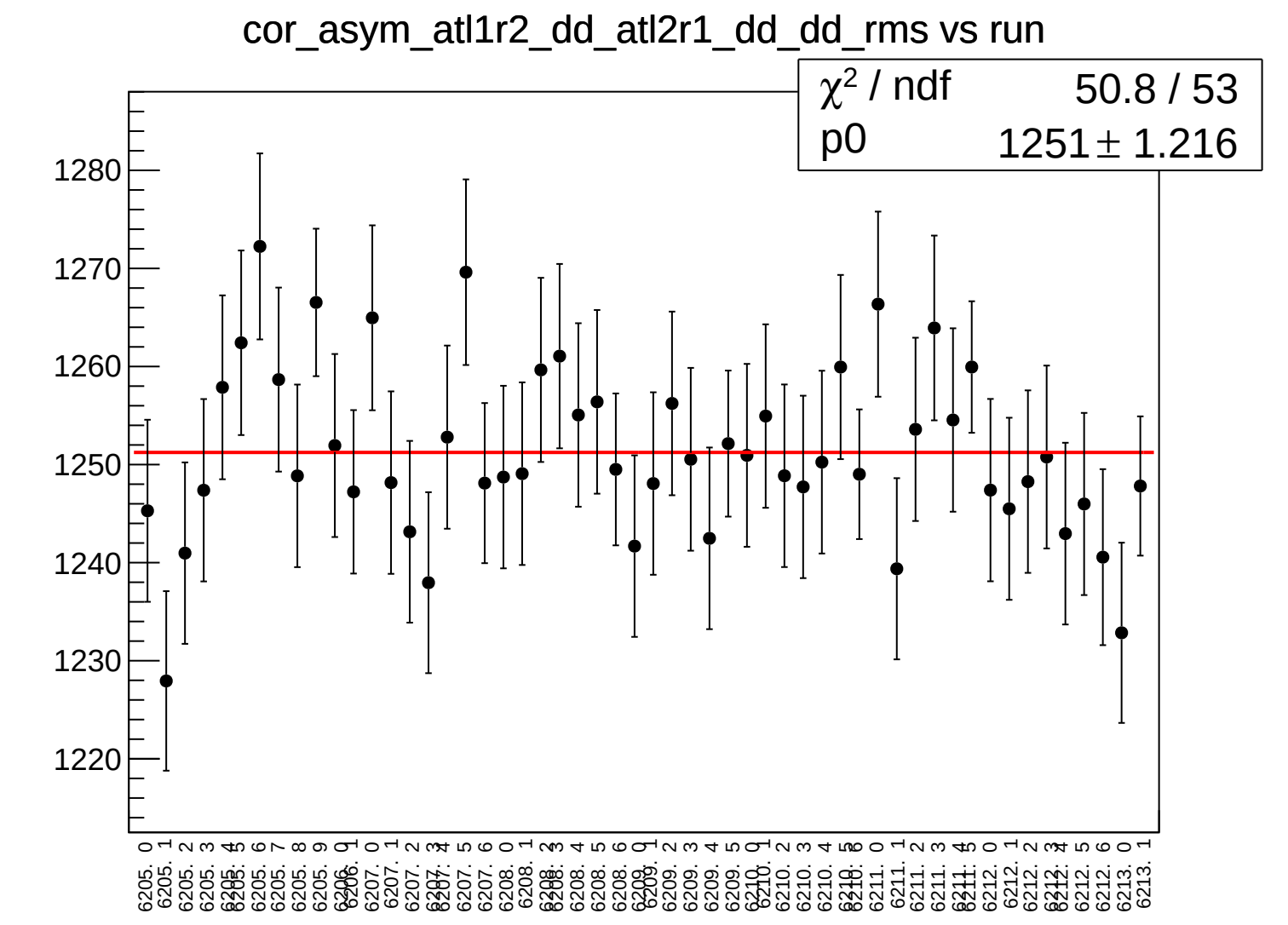

reg_asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 50.8 / 53
p0 1251 ± 1.216
1280
1270
1260
1250
1240
1230
1220
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

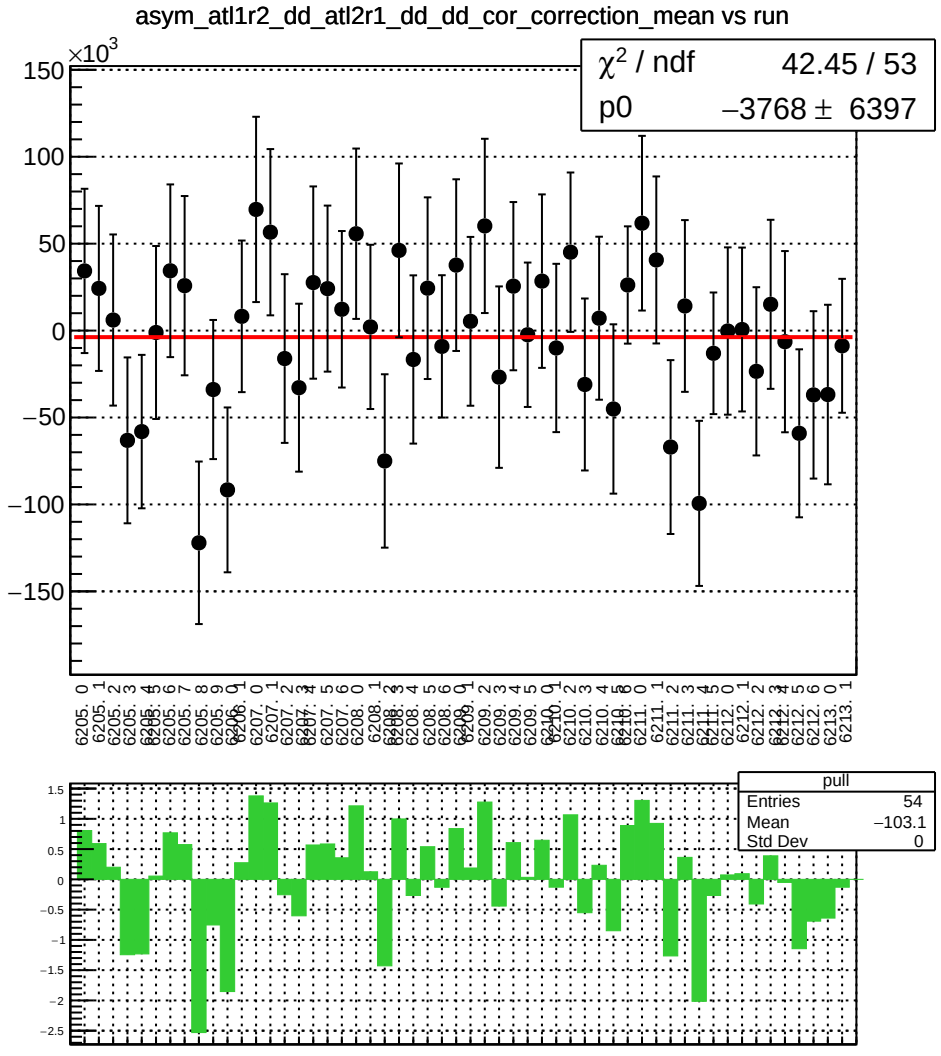

asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_mean vs run
×10^3
χ² / ndf 42.45 / 53
p0 −3768 ± 6397
pull
Entries 54
Mean −103.1
Std Dev 0

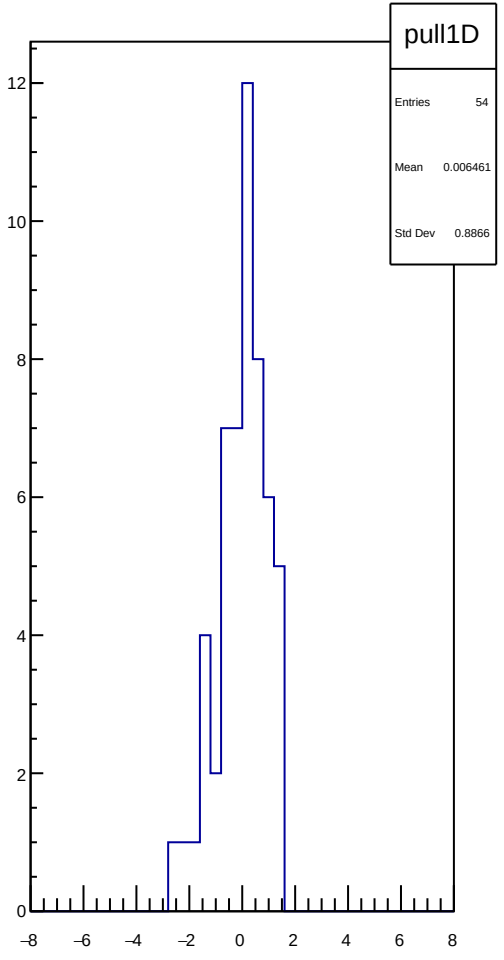

pull1D
Entries 54
Mean 0.00646
Std Dev 0.8866

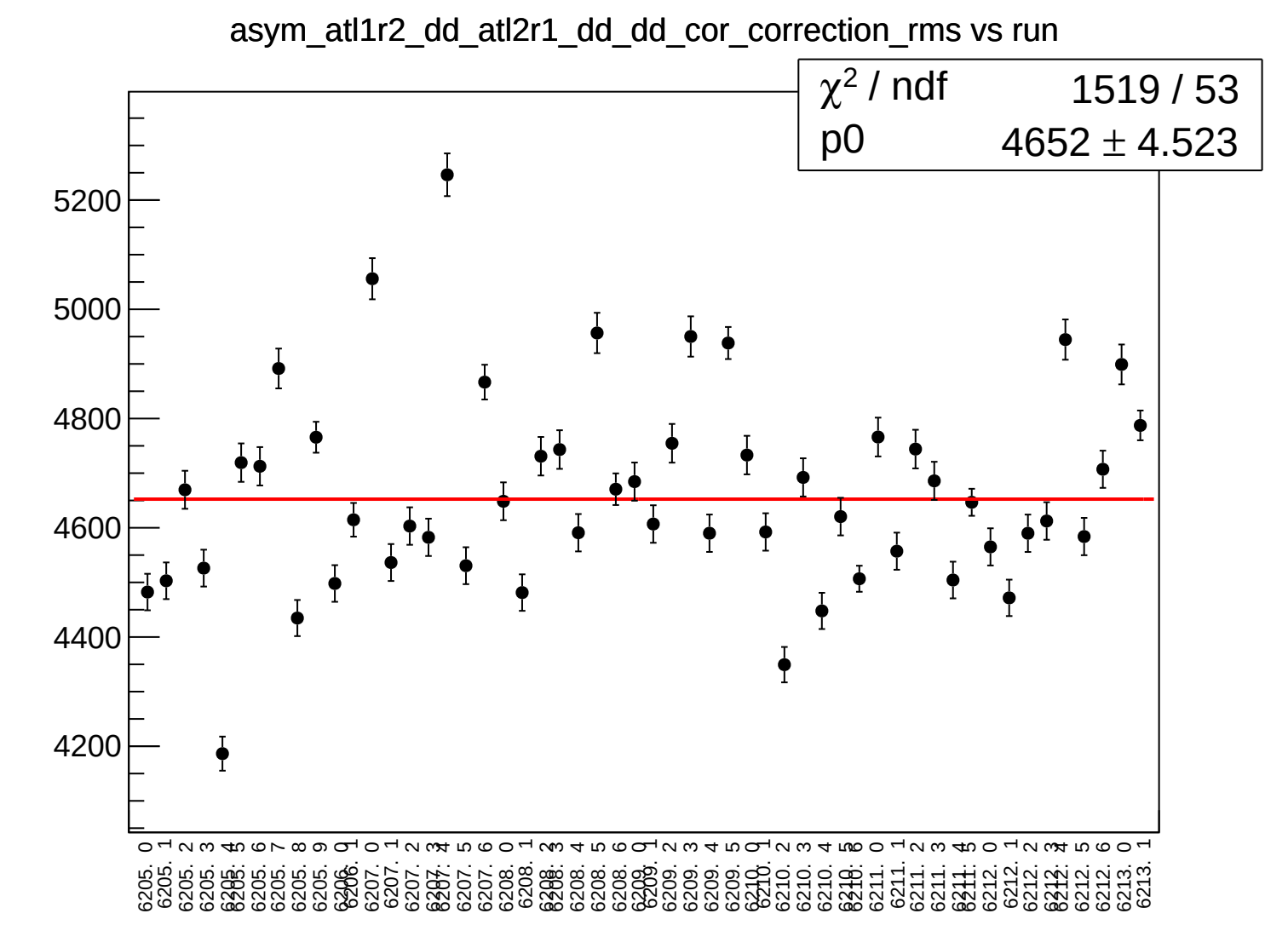

asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_rms vs run
χ² / ndf 1518 / 53
p0 4652 ± 4.523
5200
5000
4800
4600
4400
4200

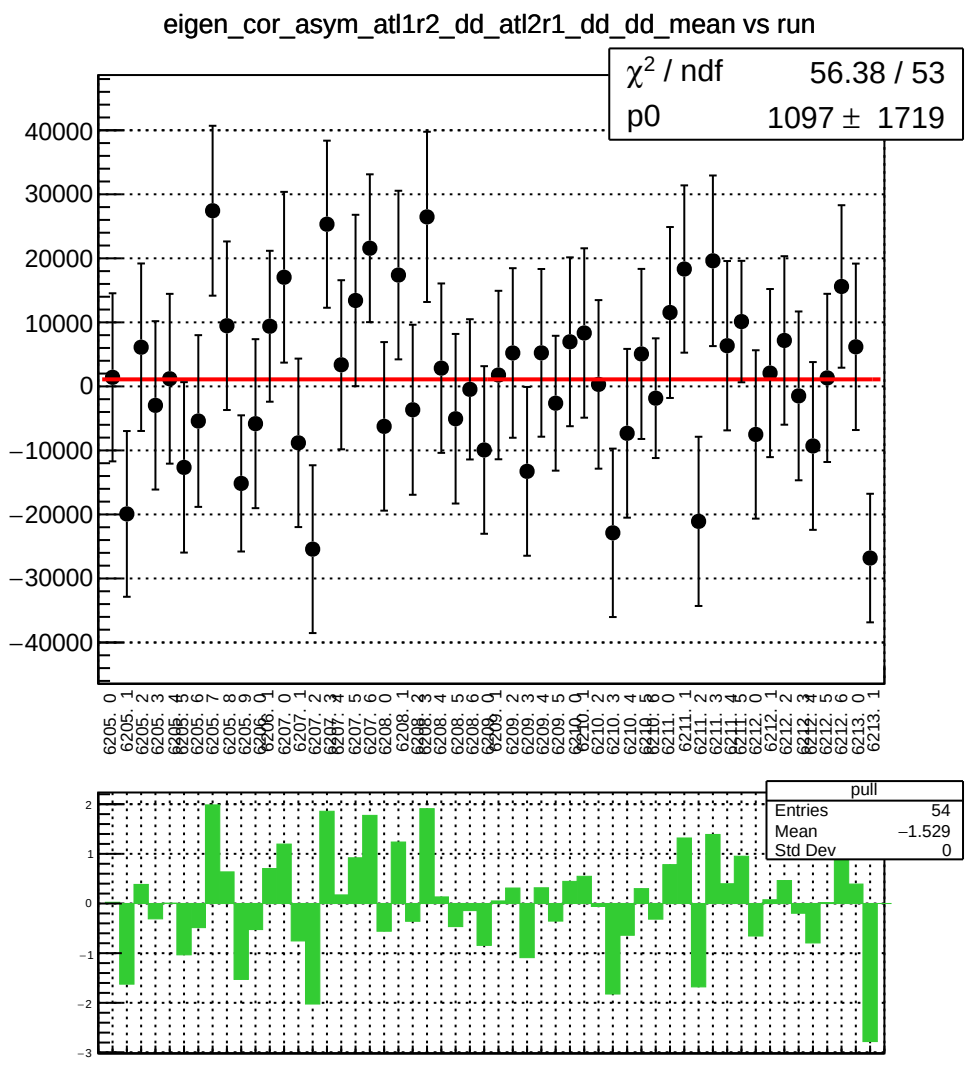

cor_asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
χ² / ndf 56.38 / 53
p0 1097 ± 1719
pull
Entries 54
Mean −1.529
Std Dev 0
pull1D
Entries 54
Mean 0.015
Std Dev 1.022

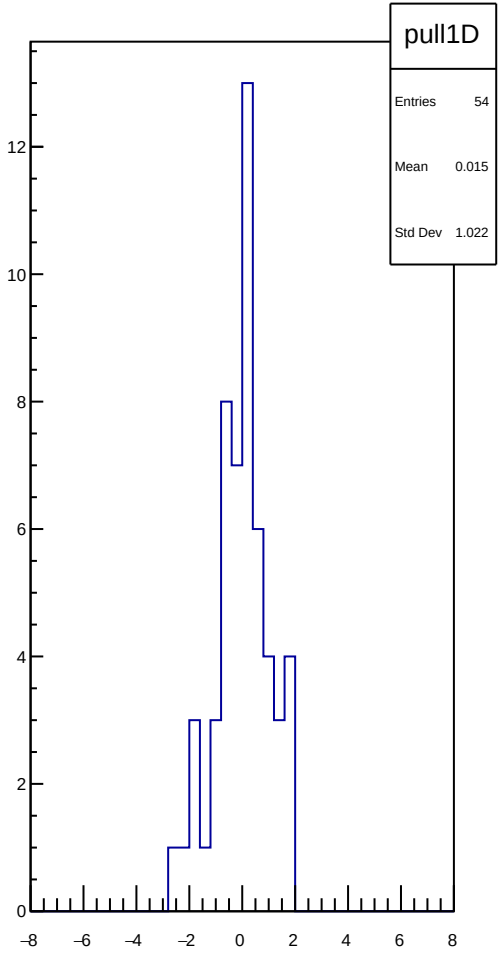

cor_asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 50.8 / 53
p0 1251 ± 1.216
1280
1270
1260
1250
1240
1230
1220
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

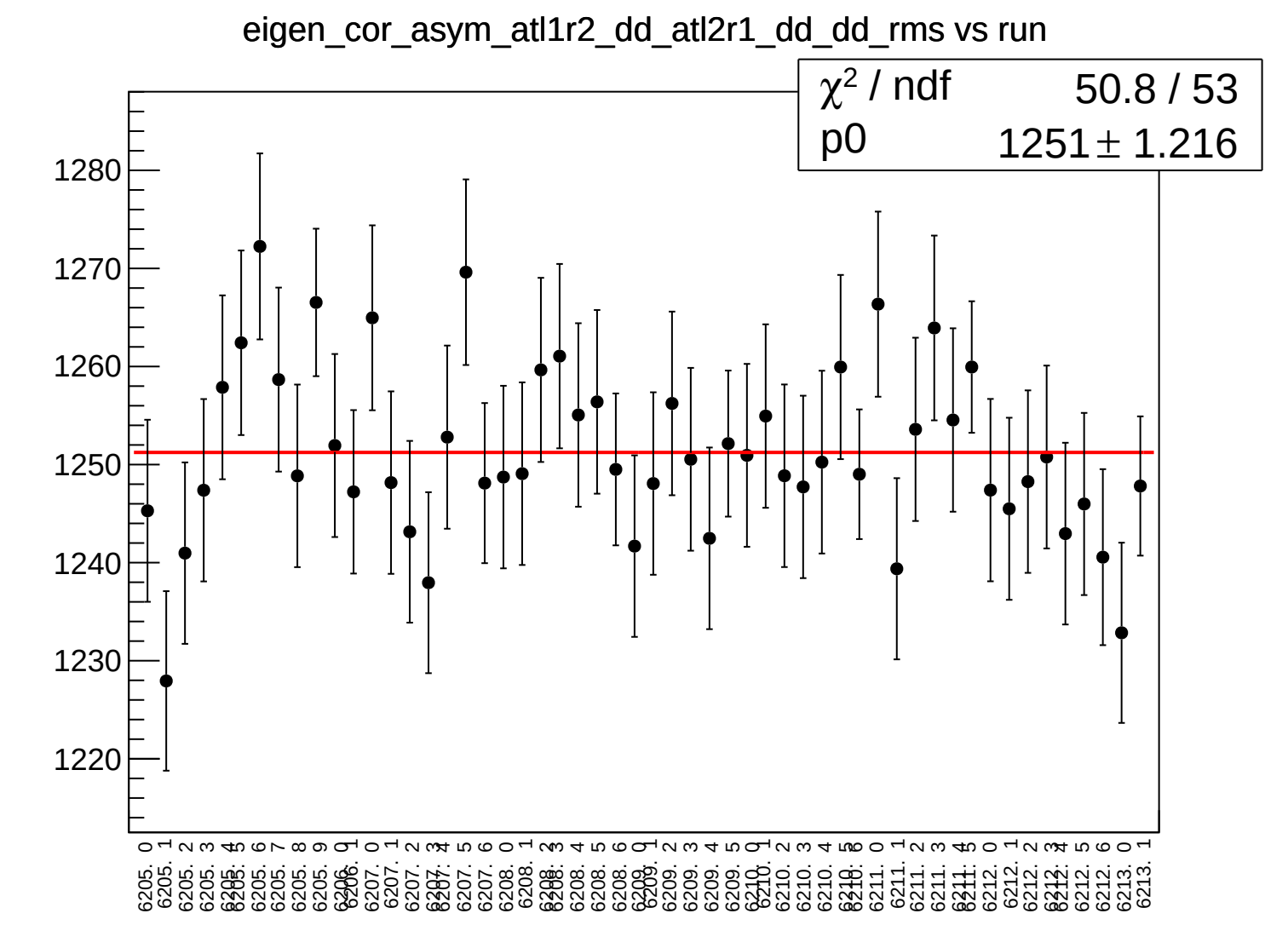

asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_mean vs run
×10^3
χ² / ndf 42.45 / 53
p0 −3768 ± 6397
pull
Entries 54
Mean −103.1
Std Dev 0


pull1D
Entries 54
Mean 0.006461
Std Dev 0.8866


asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_rms vs run
χ² / ndf 1519 / 53
p0 4652 ± 4.523
5200
5000
4800
4600
4400
4200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


eigen_cor_asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
χ² / ndf 56.38 / 53
p0 1097 ± 1719
pull
Entries 54
Mean −1.529
Std Dev 0


pull1D
Entries 54
Mean 0.015
Std Dev 1.022


eigen_cor_asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 50.8 / 53
p0 1251 ± 1.216
1280
1270
1260
1250
1240
1230
1220
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
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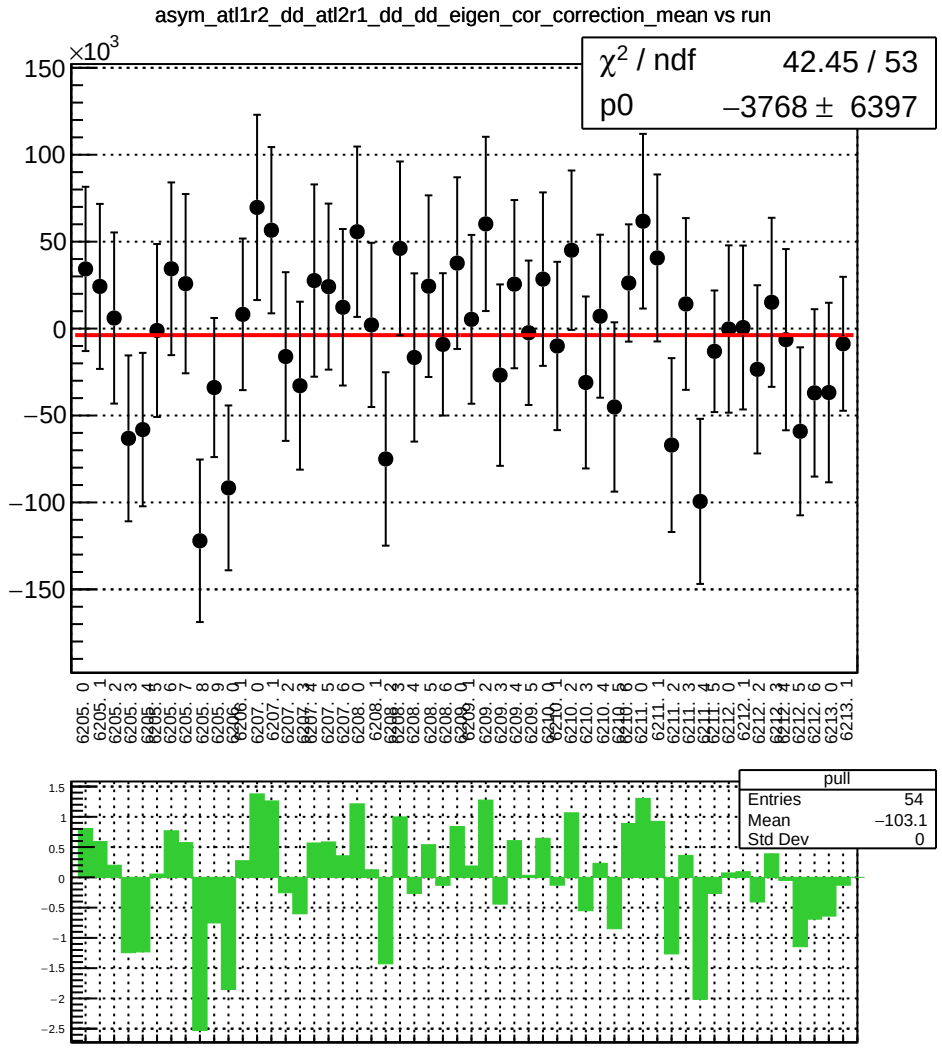
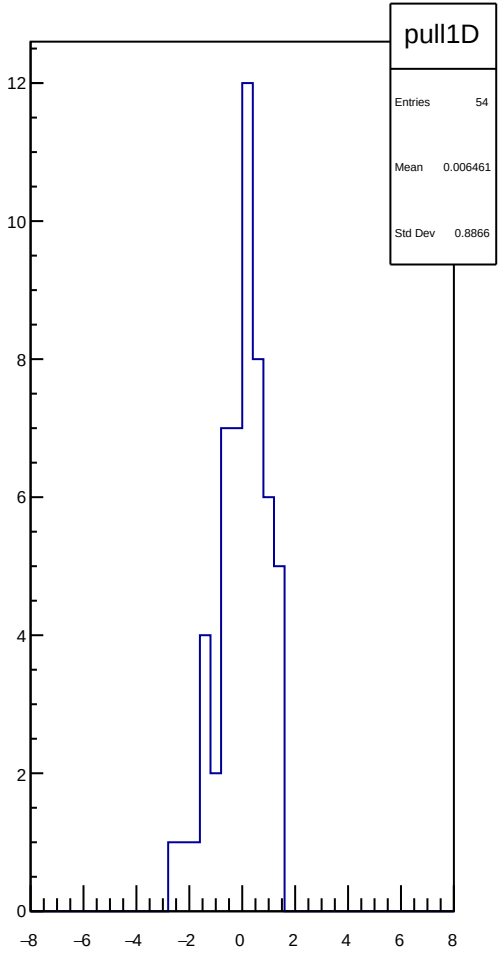
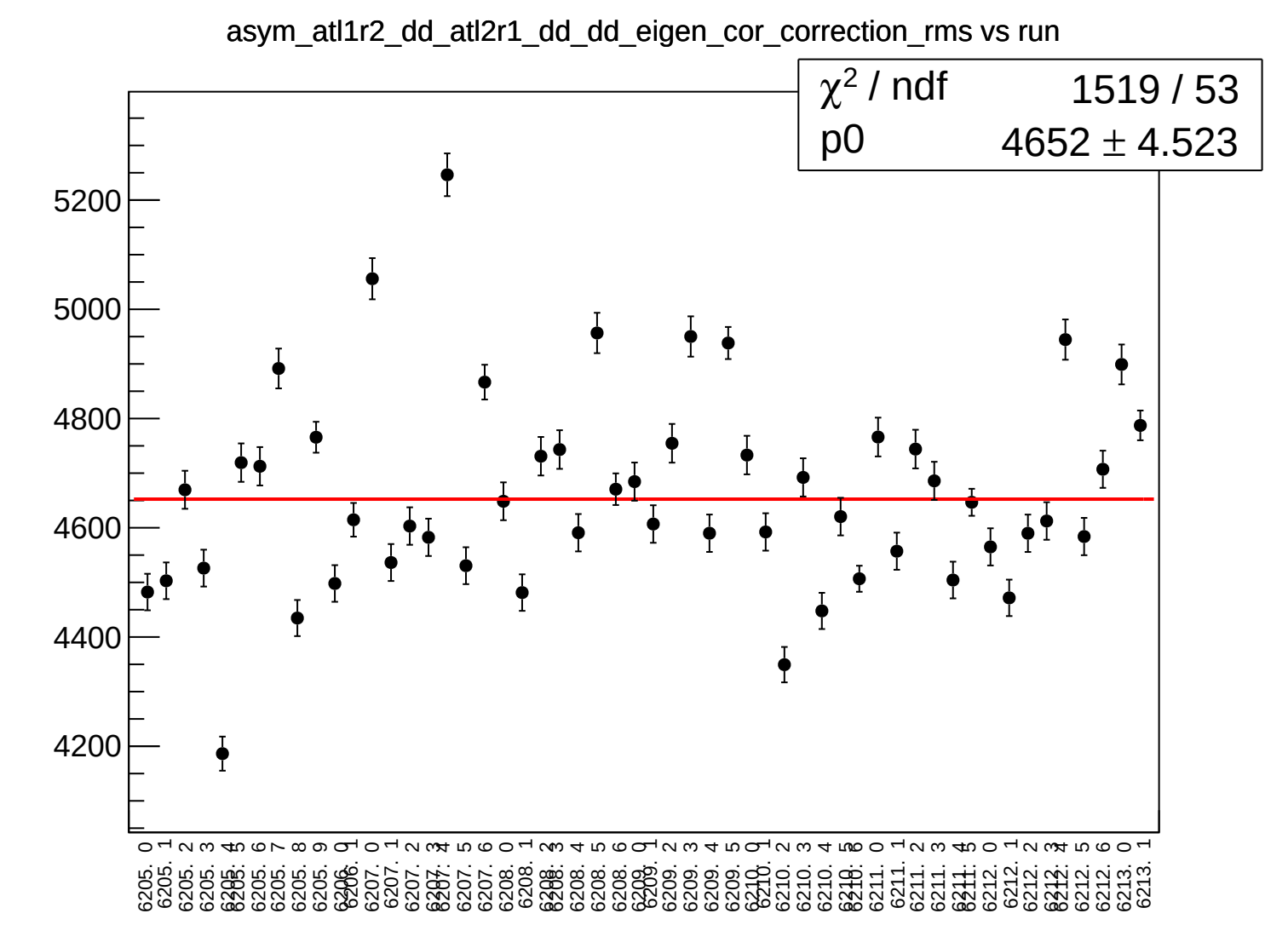
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 42.45 / 53
p0 −3768 ± 6397
pull
Entries 54
Mean −103.1
Std Dev 0


pull1D
Entries 54
Mean 0.006461
Std Dev 0.8866


asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_rms vs run
χ² / ndf 1519 / 53
p0 4652 ± 4.523
5200
5000
4800
4600
4400
4200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
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6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
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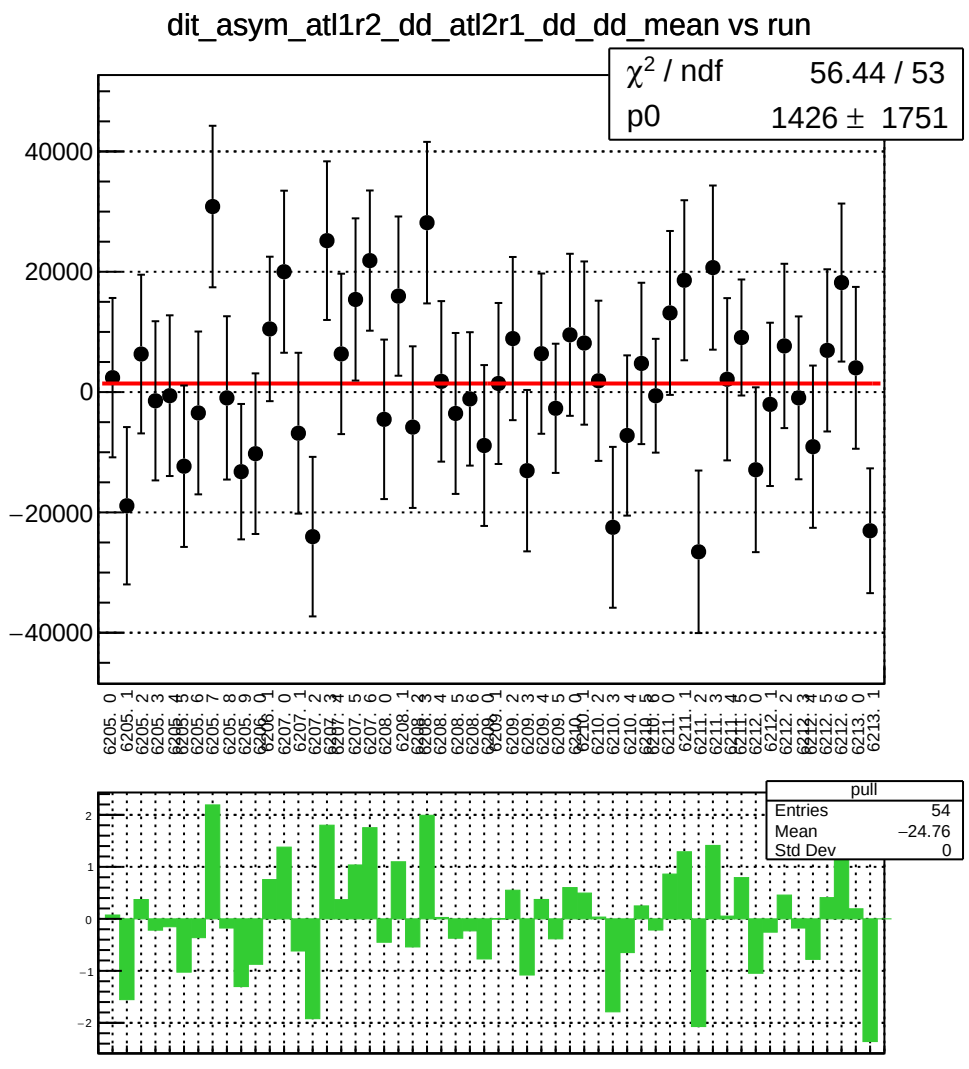
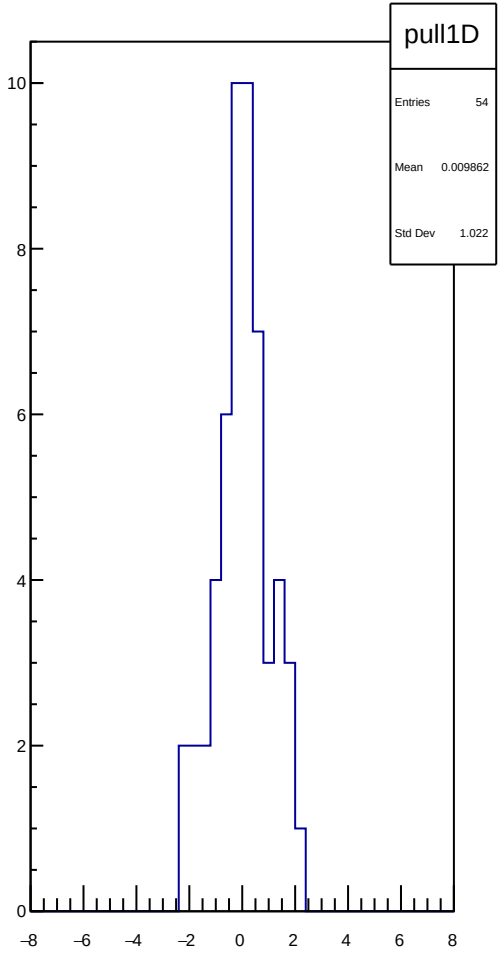
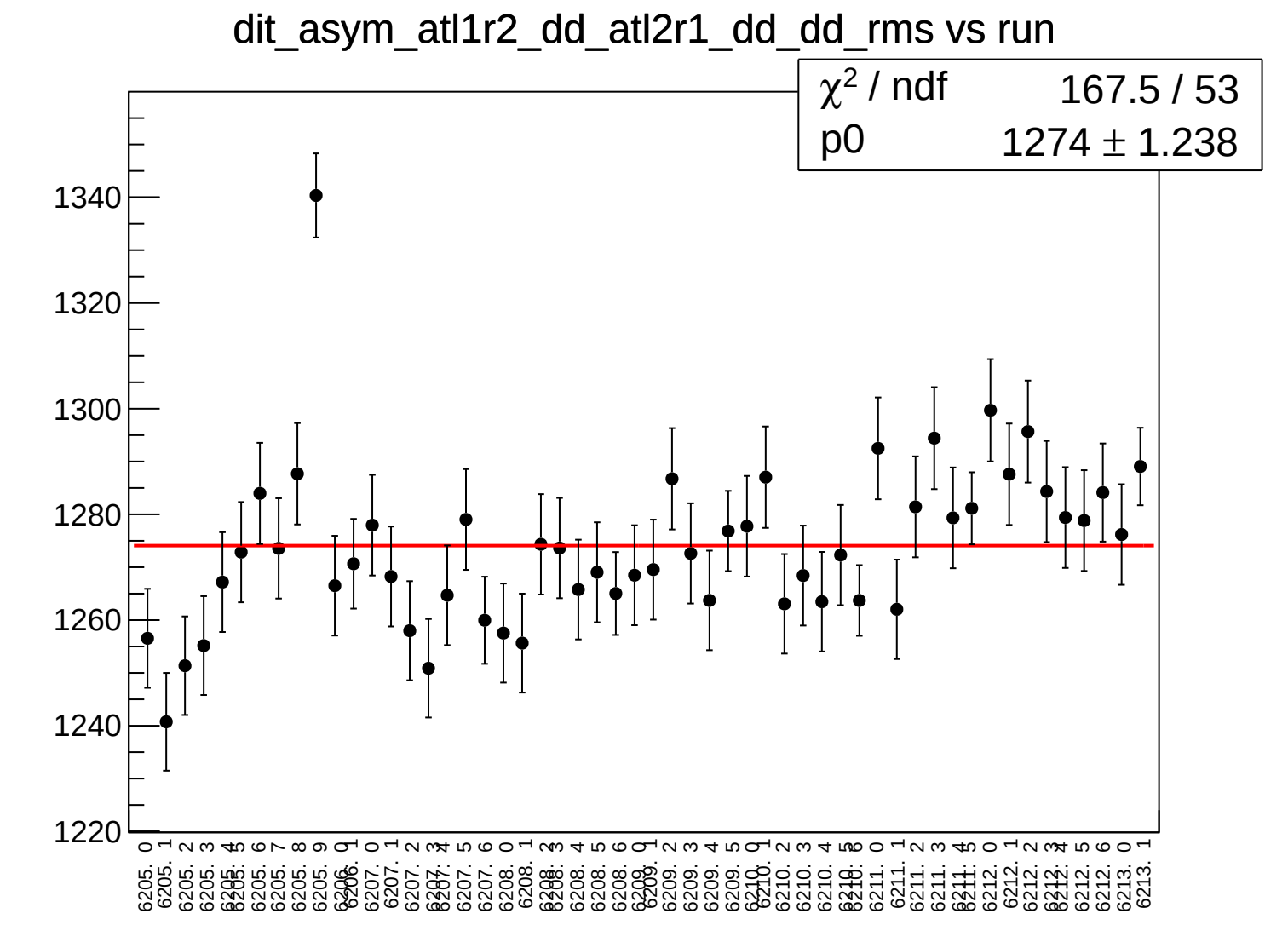
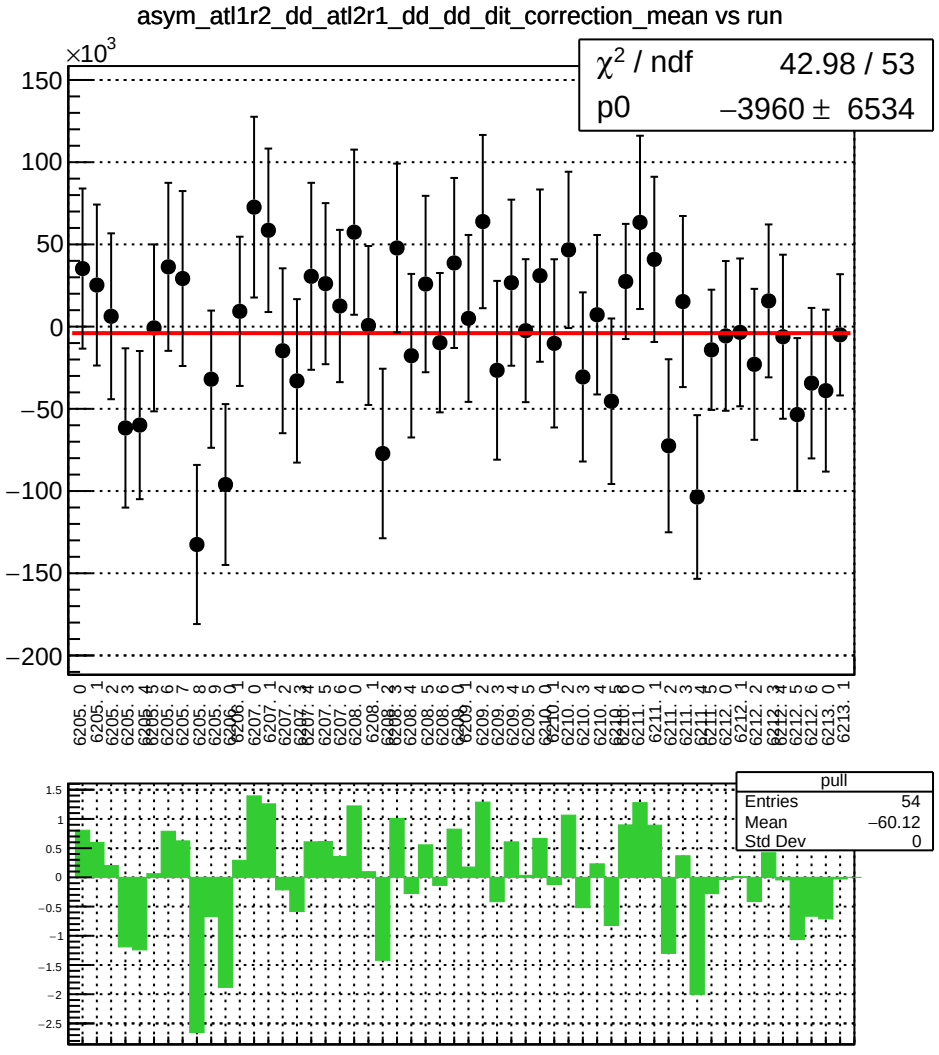
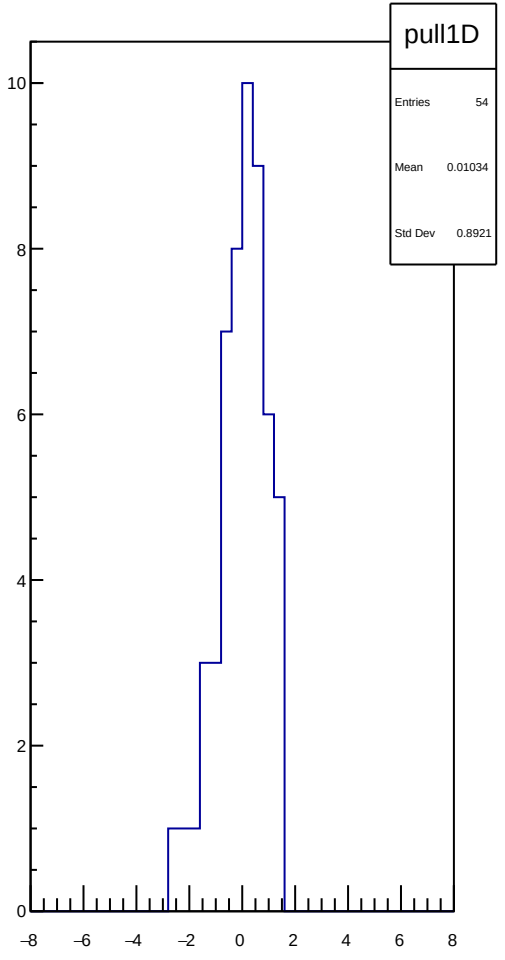
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

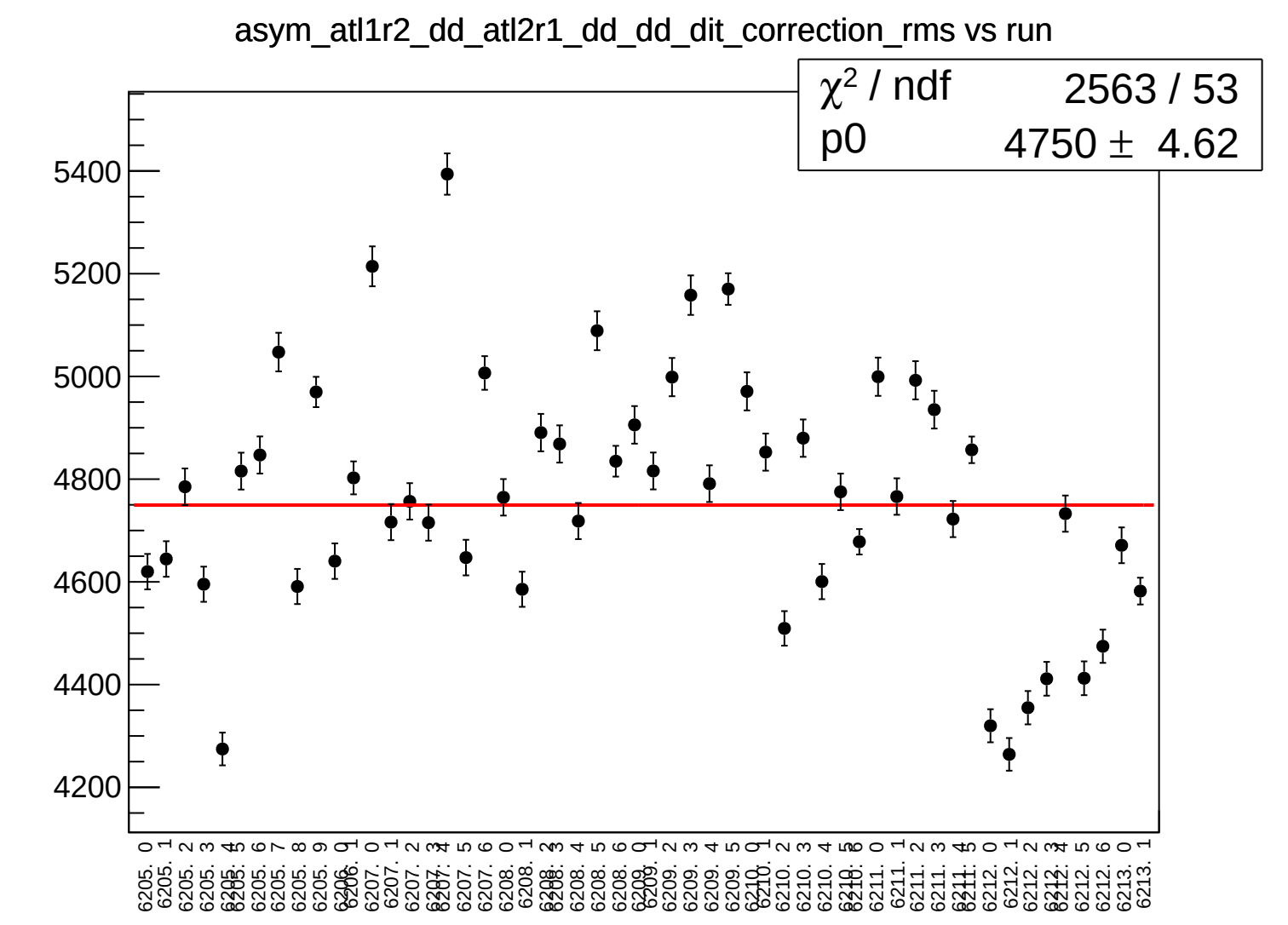

dit_asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
χ² / ndf 56.44 / 53
p0 1426 ± 1751
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −24.76
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 54
Mean 0.009862
Std Dev 1.022
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 167.5 / 53
p0 1274 ± 1.238
1340
1320
1300
1280
1260
1240
1220
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_mean vs run
×10^3
χ² / ndf 42.98 / 53
p0 −3960 ± 6534
150
100
50
0
−50
−100
−150
−200
pull
Entries 54
Mean −60.12
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 54
Mean 0.01034
Std Dev 0.8921
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_rms vs run
χ² / ndf 2563 / 53
p0 4750 ± 4.62
5400
5200
5000
4800
4600
4400
4200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
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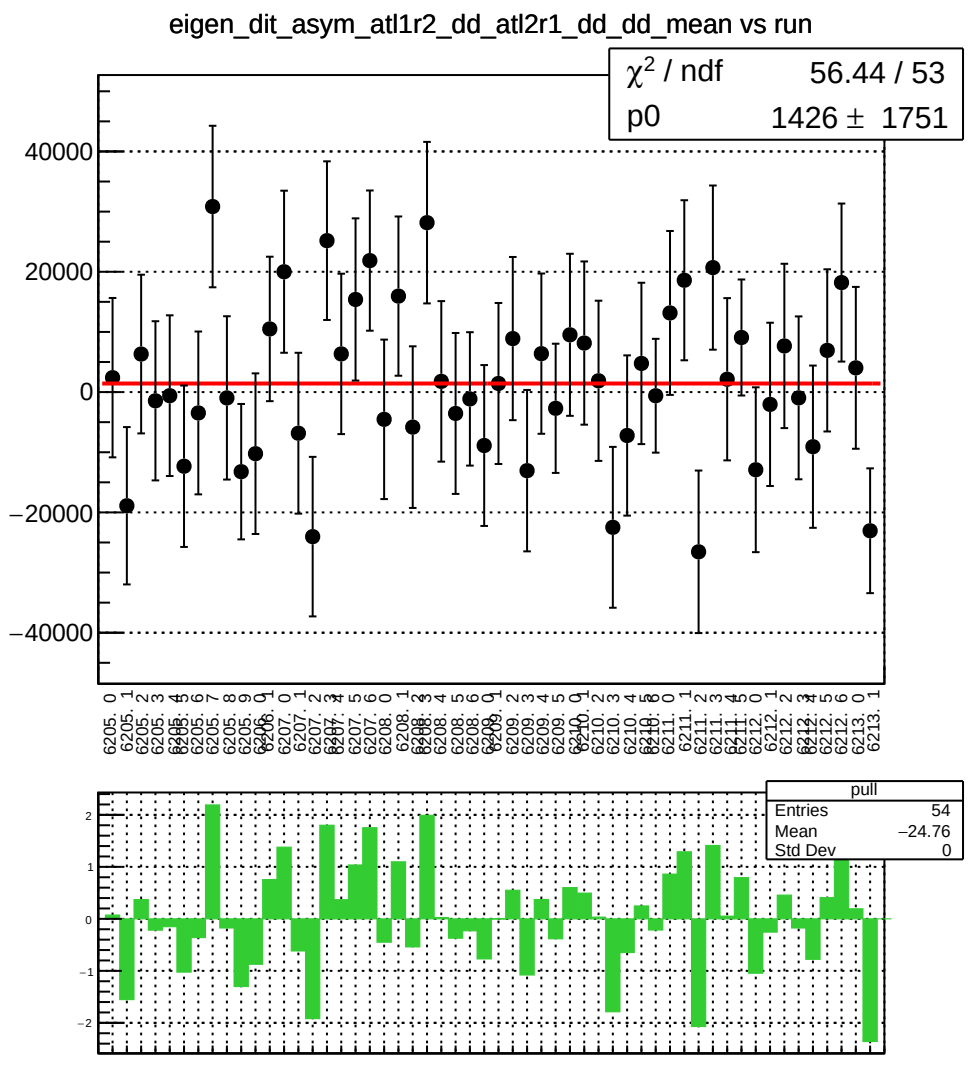
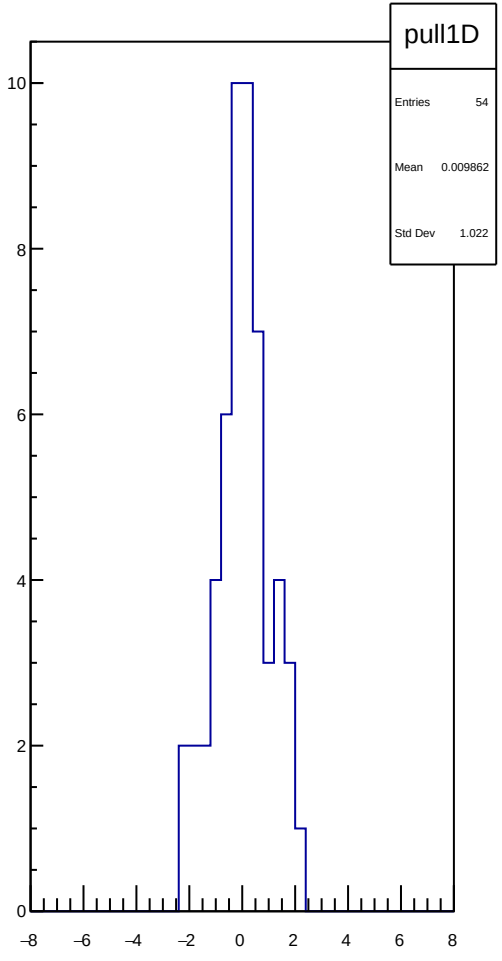
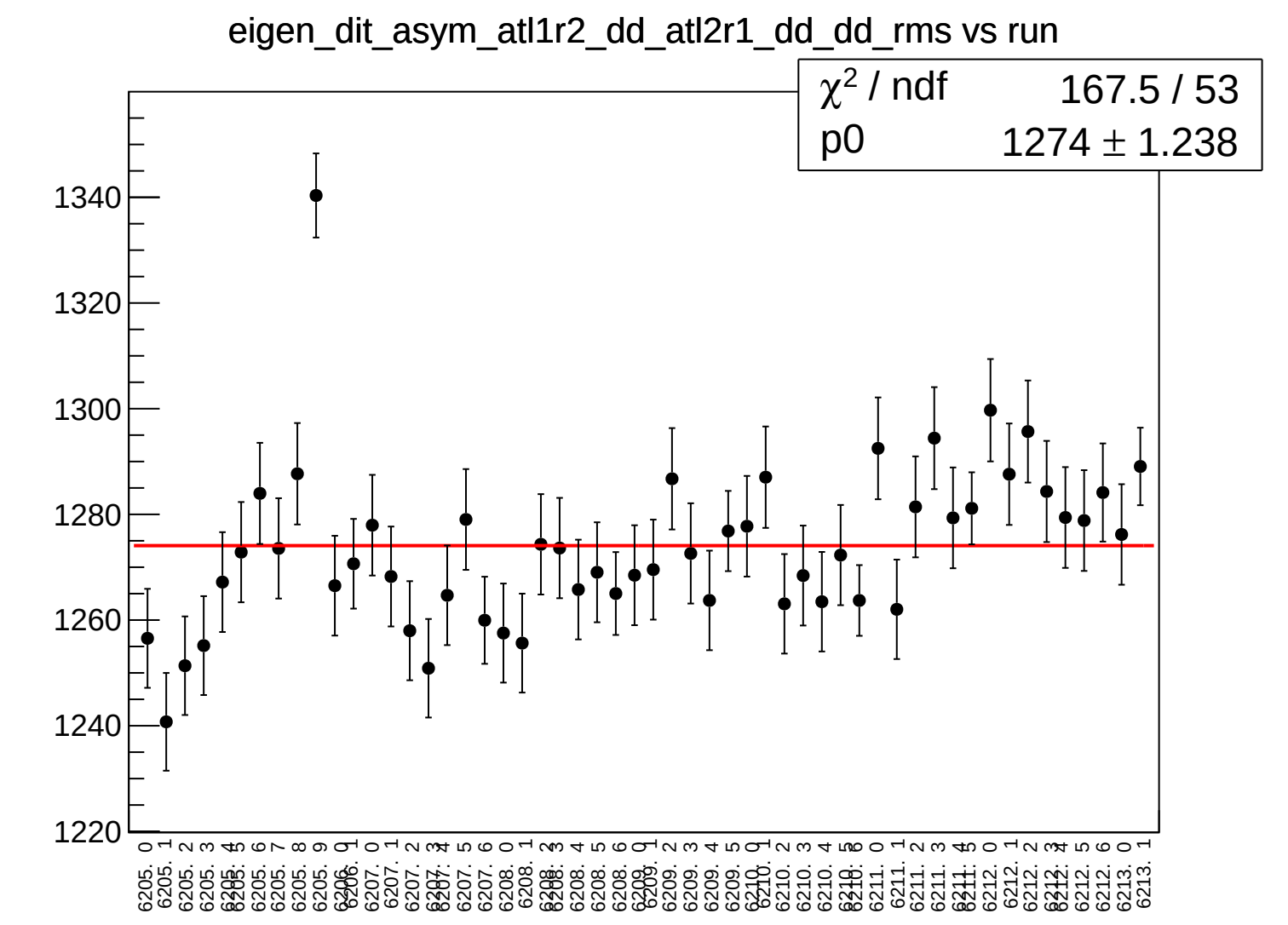
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


eigen_dit_asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
χ² / ndf 56.44 / 53
p0 1426 ± 1751
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −24.76
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 54
Mean 0.009862
Std Dev 1.022
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 167.5 / 53
p0 1274 ± 1.238
1340
1320
1300
1280
1260
1240
1220
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
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6207. 2
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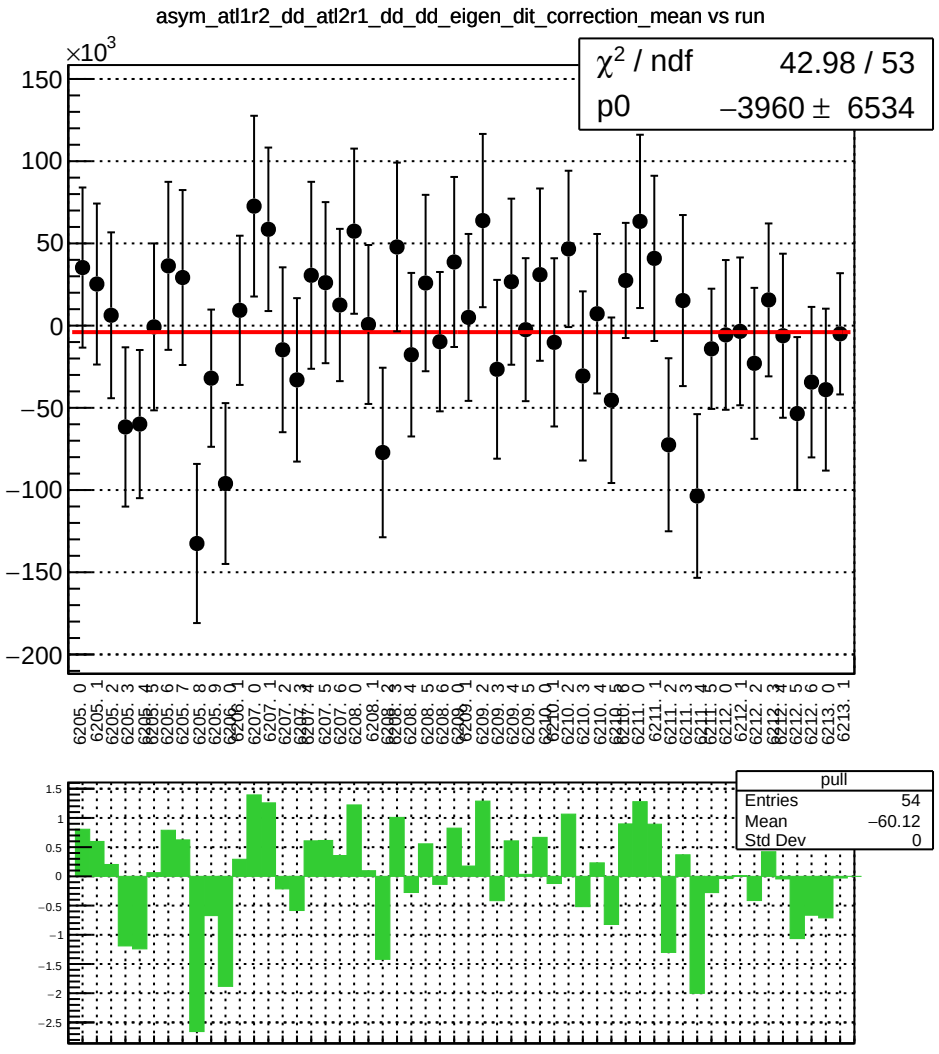
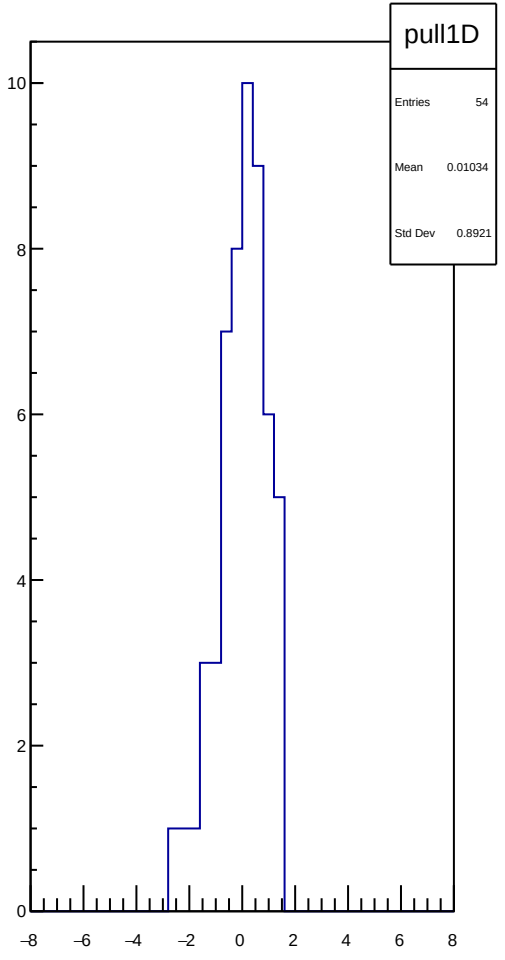
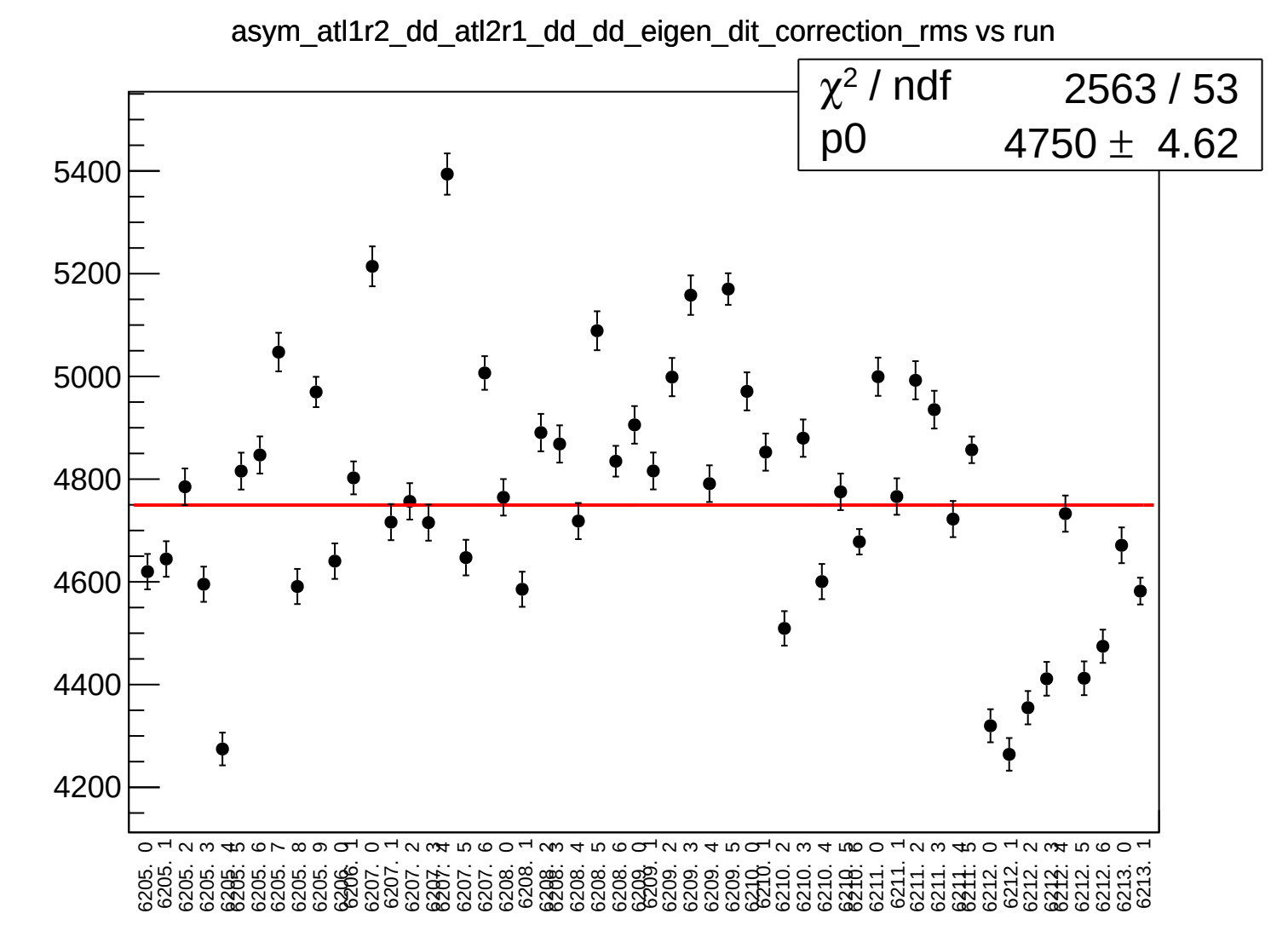
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 42.98 / 53
p0 −3960 ± 6534
150
100
50
0
−50
−100
−150
−200
pull
Entries 54
Mean −60.12
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 54
Mean 0.01034
Std Dev 0.8921
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_rms vs run
χ² / ndf 2563 / 53
p0 4750 ± 4.62
5400
5200
5000
4800
4600
4400
4200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
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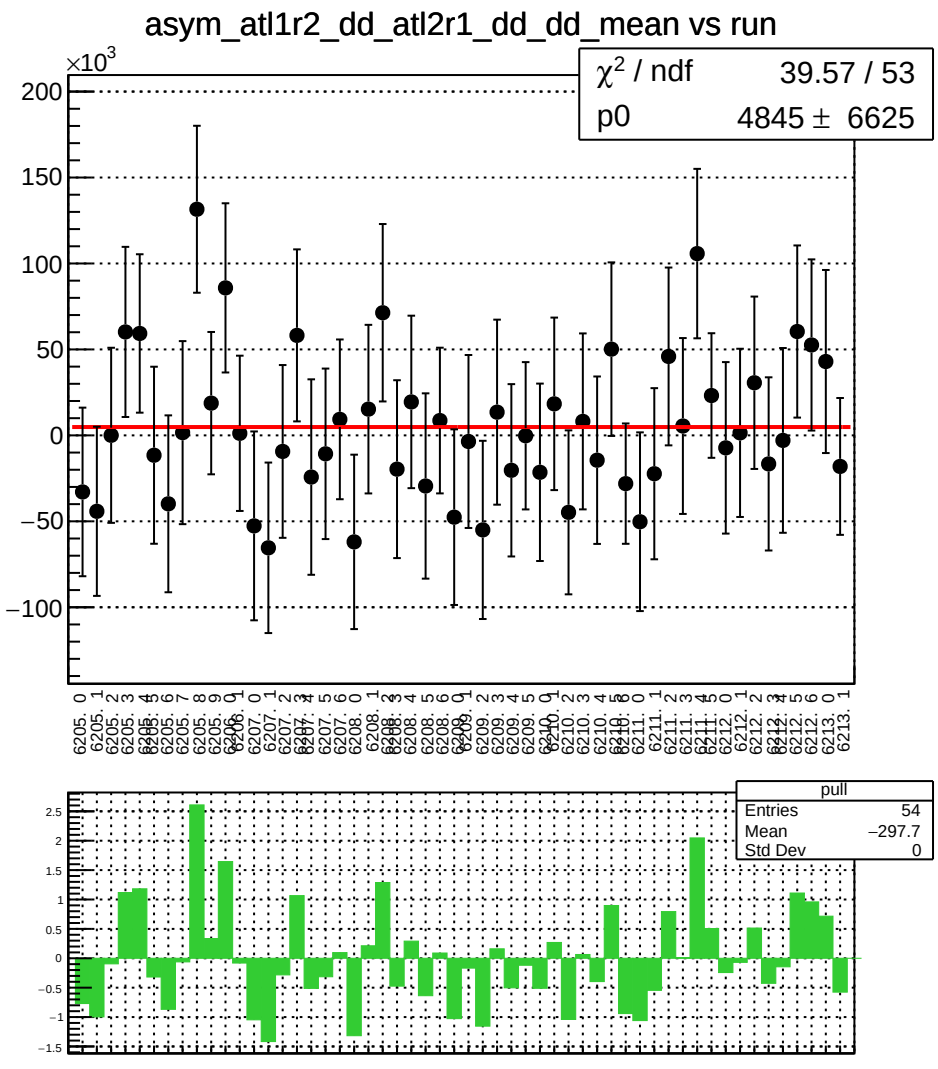
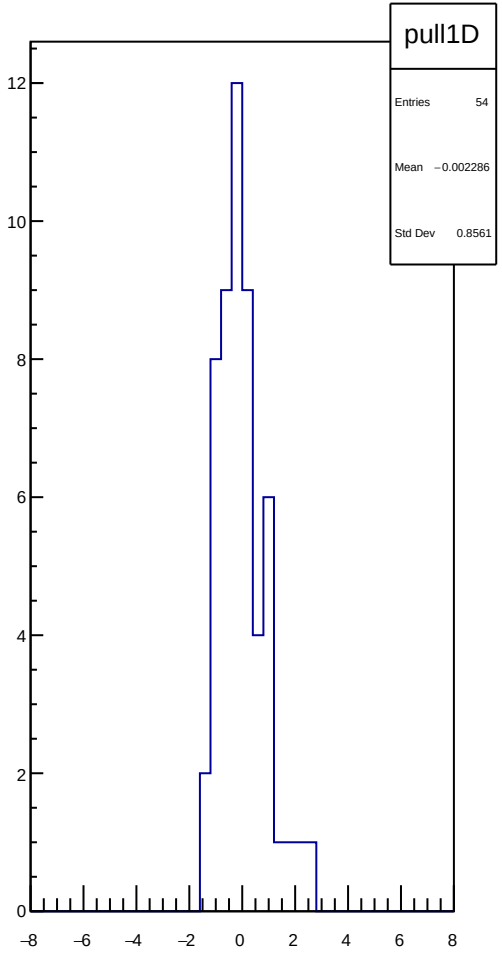
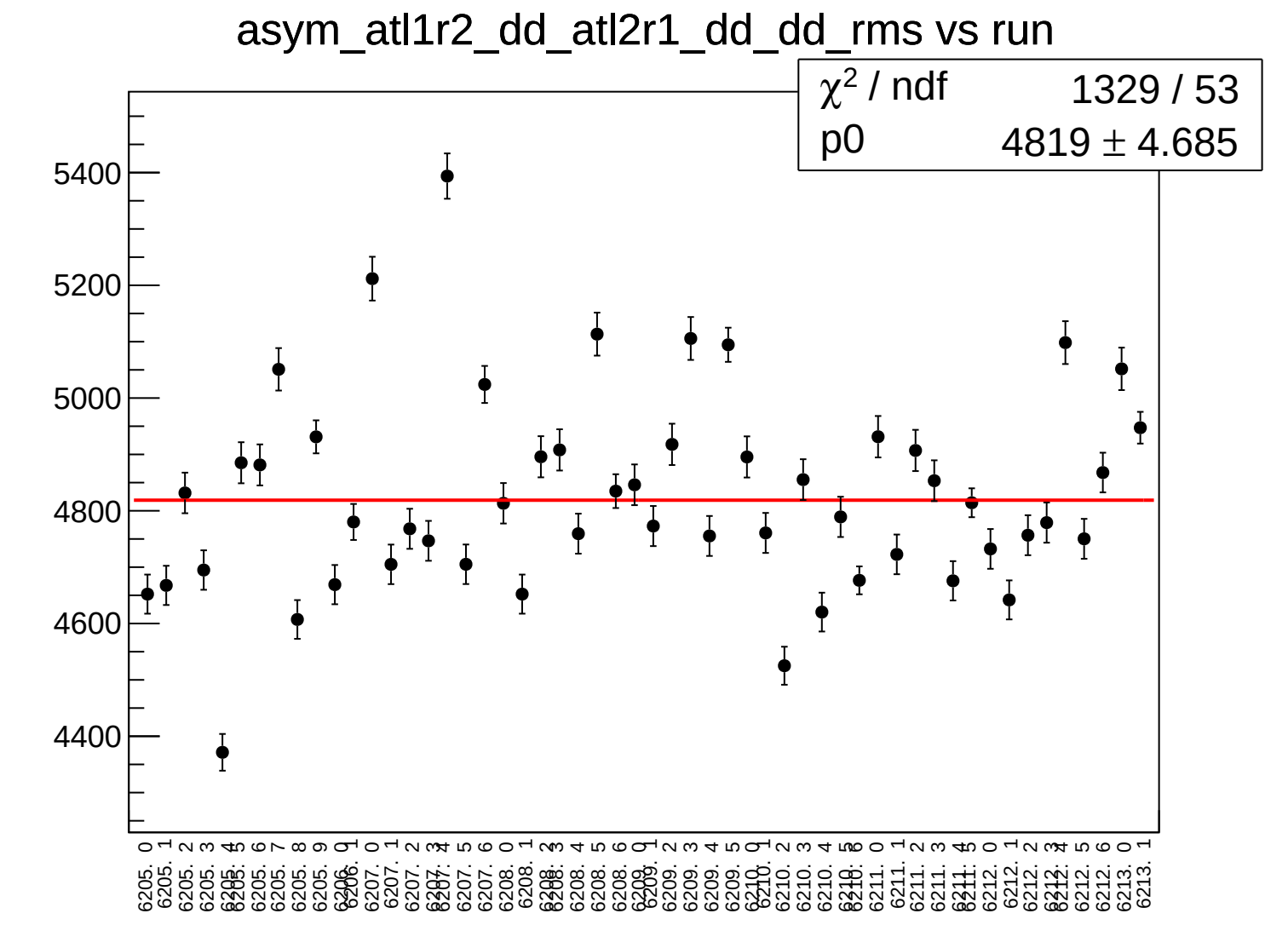
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
×10^3
χ² / ndf 39.57 / 53
p0 4845 ± 6625
pull
Entries 54
Mean −297.7
Std Dev 0


pull1D
Entries 54
Mean −0.002286
Std Dev 0.8561


asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 1329 / 53
p0 4819 ± 4.685
5400
5200
5000
4800
4600
4400
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
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6207. 4
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6208. 0
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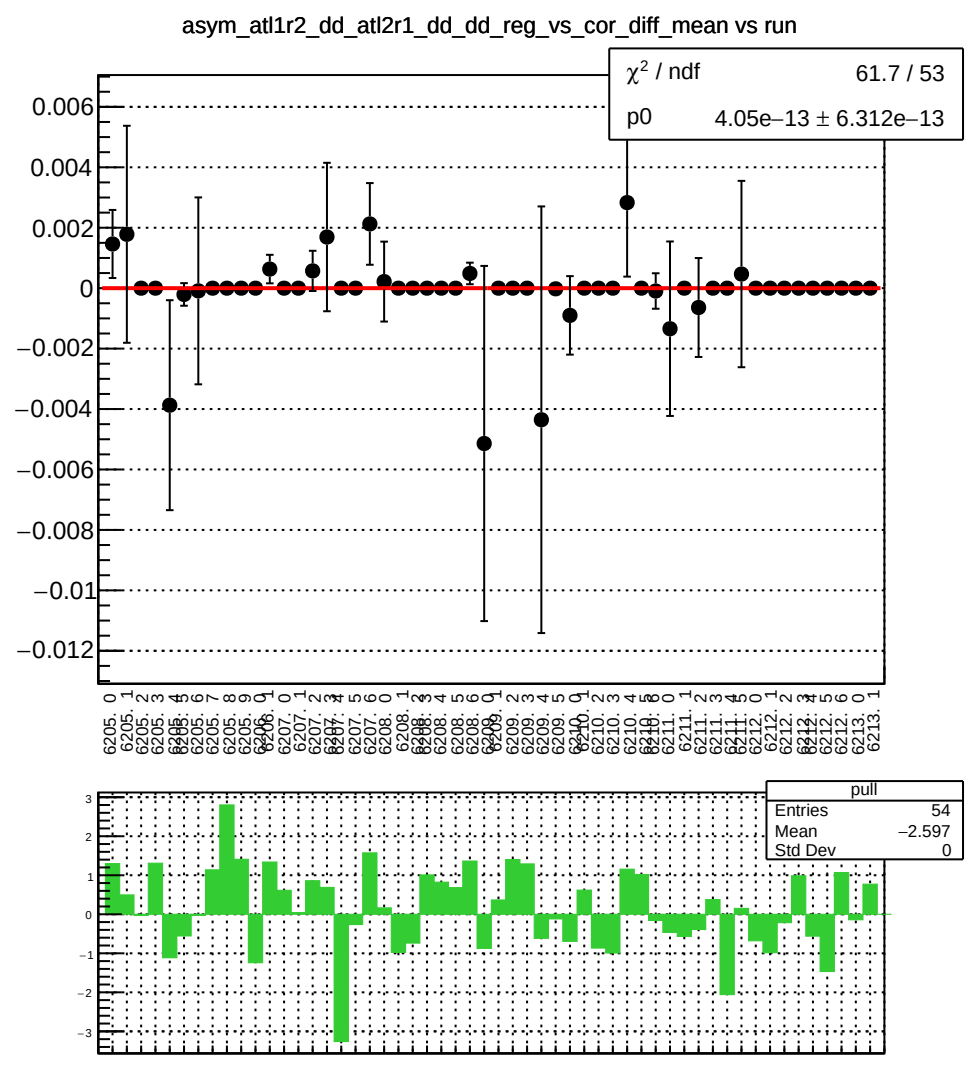
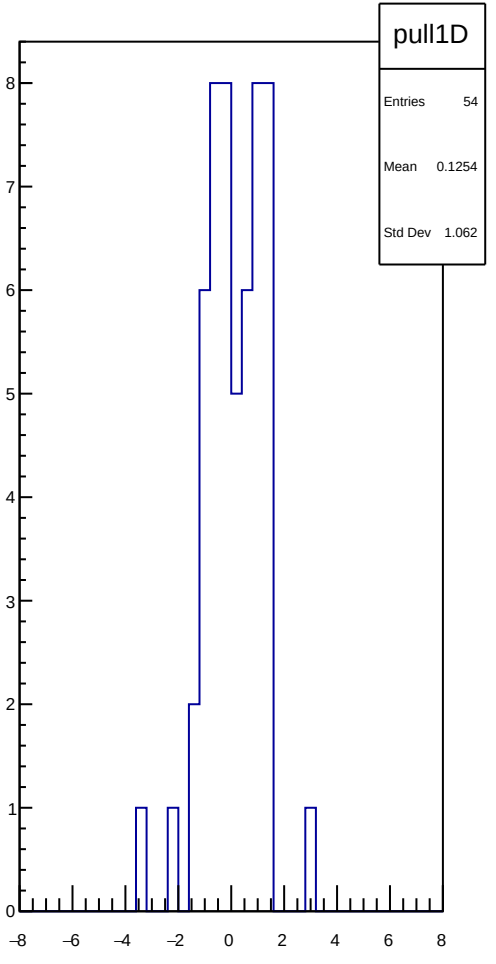
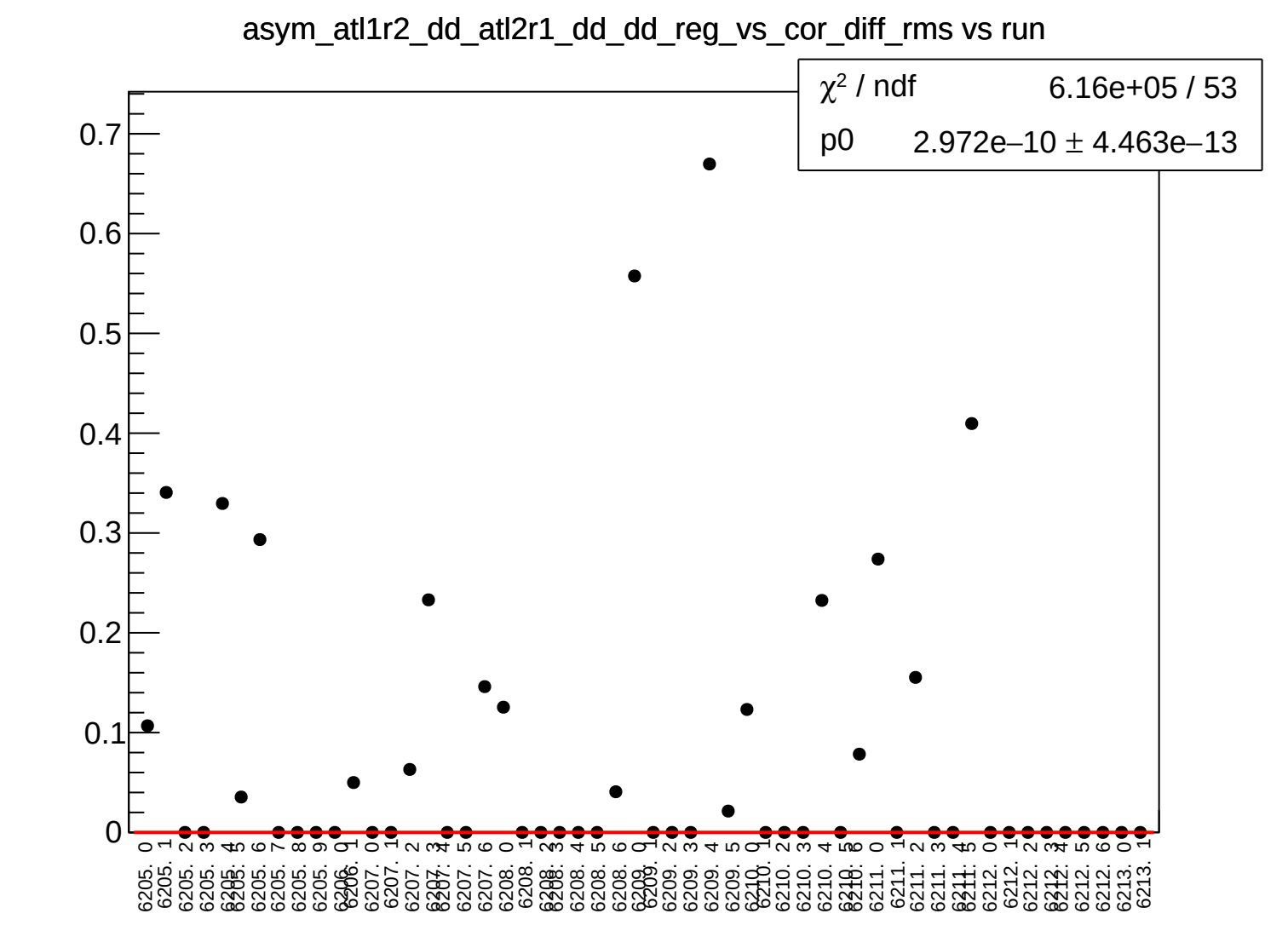
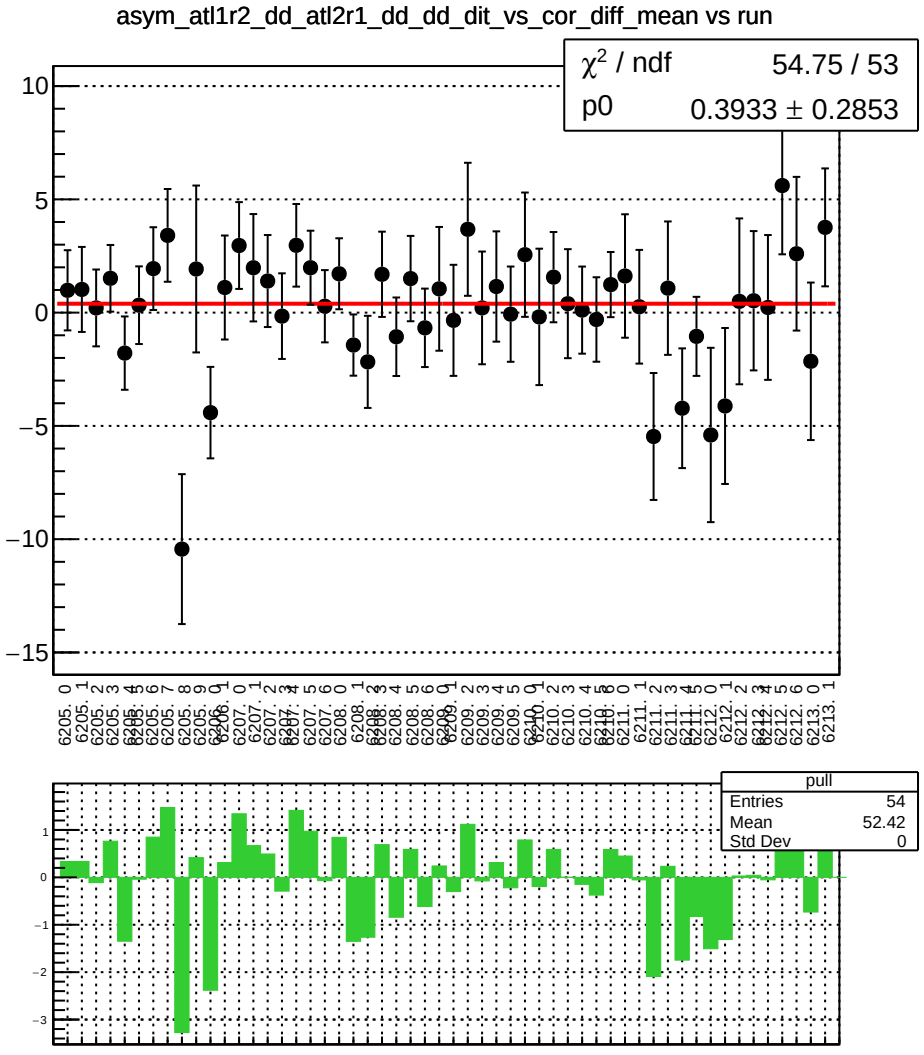
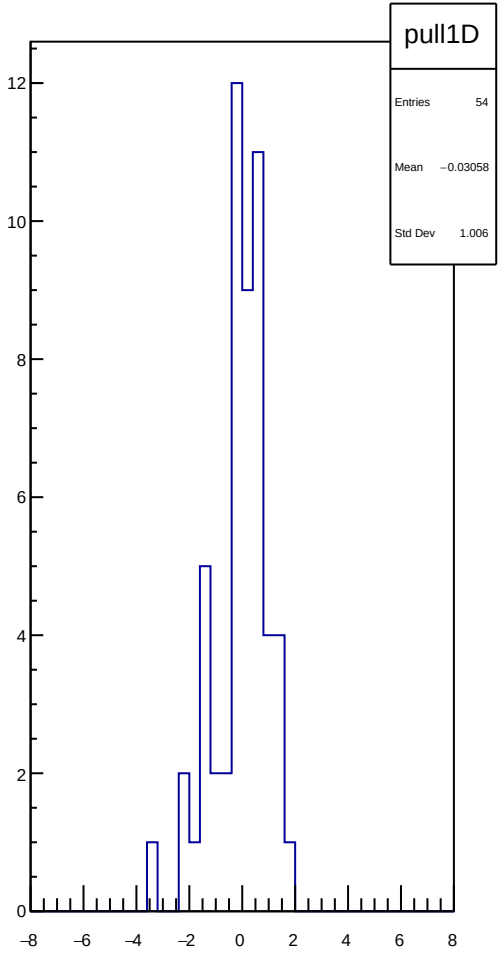
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

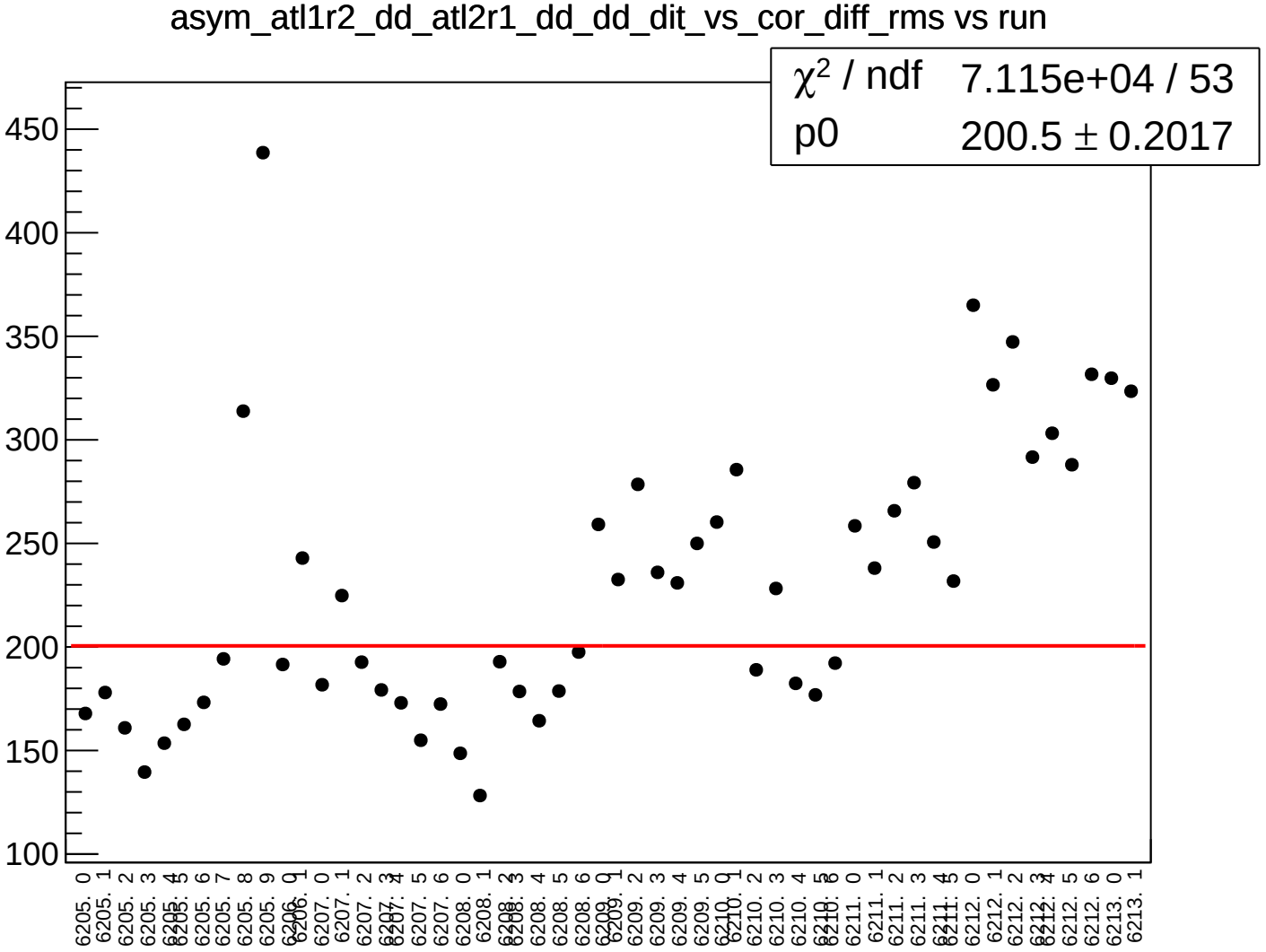

asym_atl1r2_dd_atl2r1_dd_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 61.7 / 53
p0 4.05e−13 ± 6.312e−13
pull
Entries 54
Mean −2.597
Std Dev 0

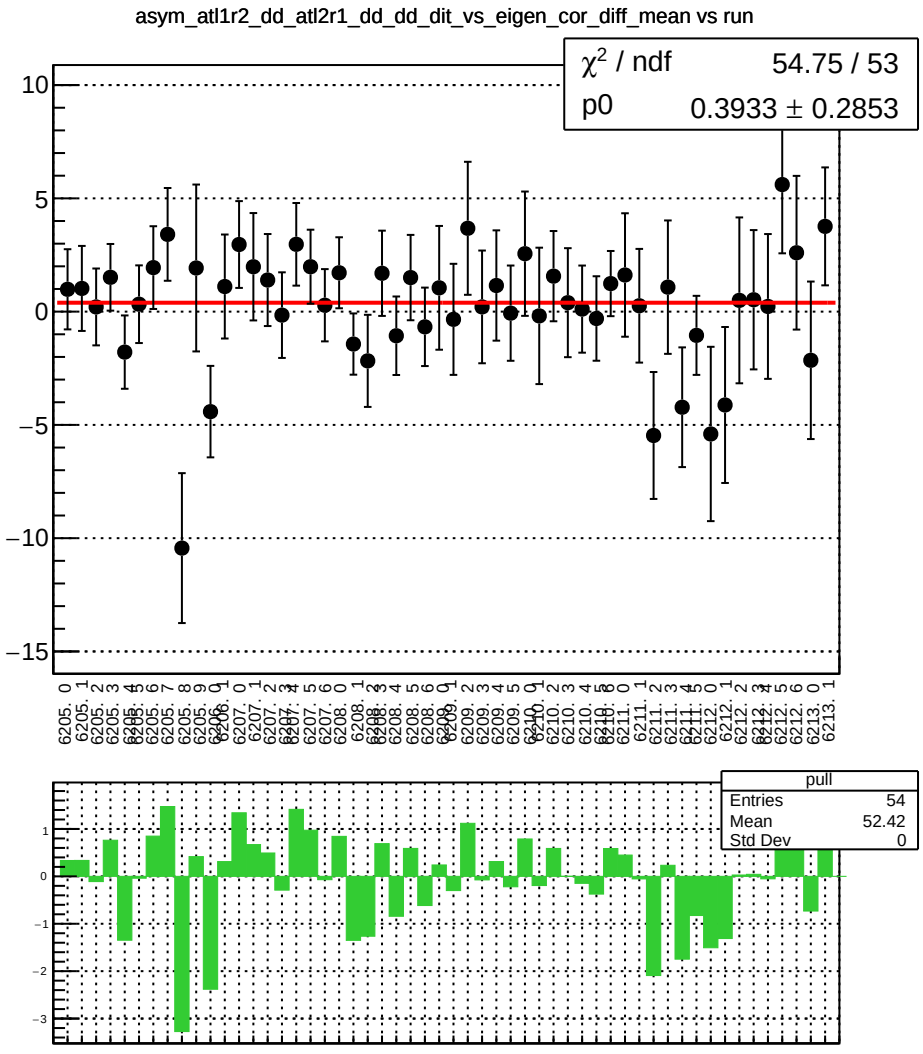

pull1D
Entries 54
Mean 0.1254
Std Dev 1.062

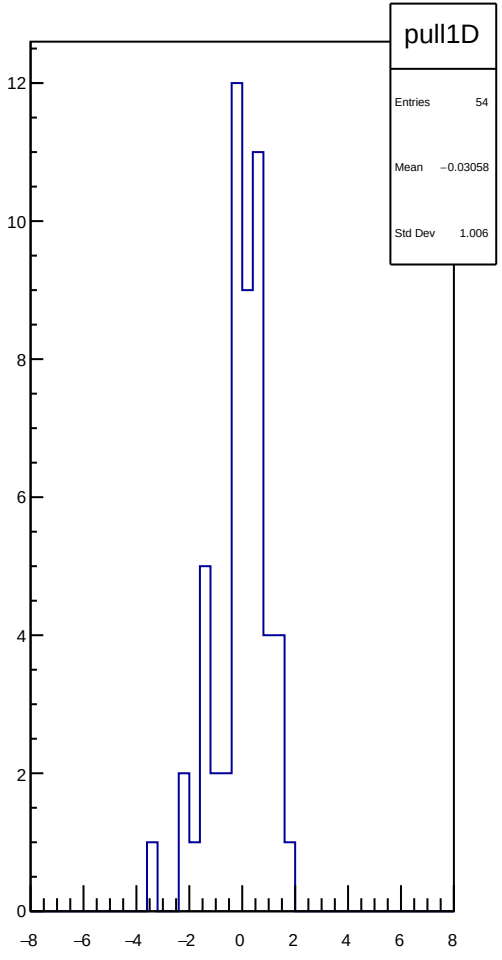

asym_atl1r2_dd_atl2r1_dd_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.16e+05 / 53
p0 2.972e−10 ± 4.463e−13
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

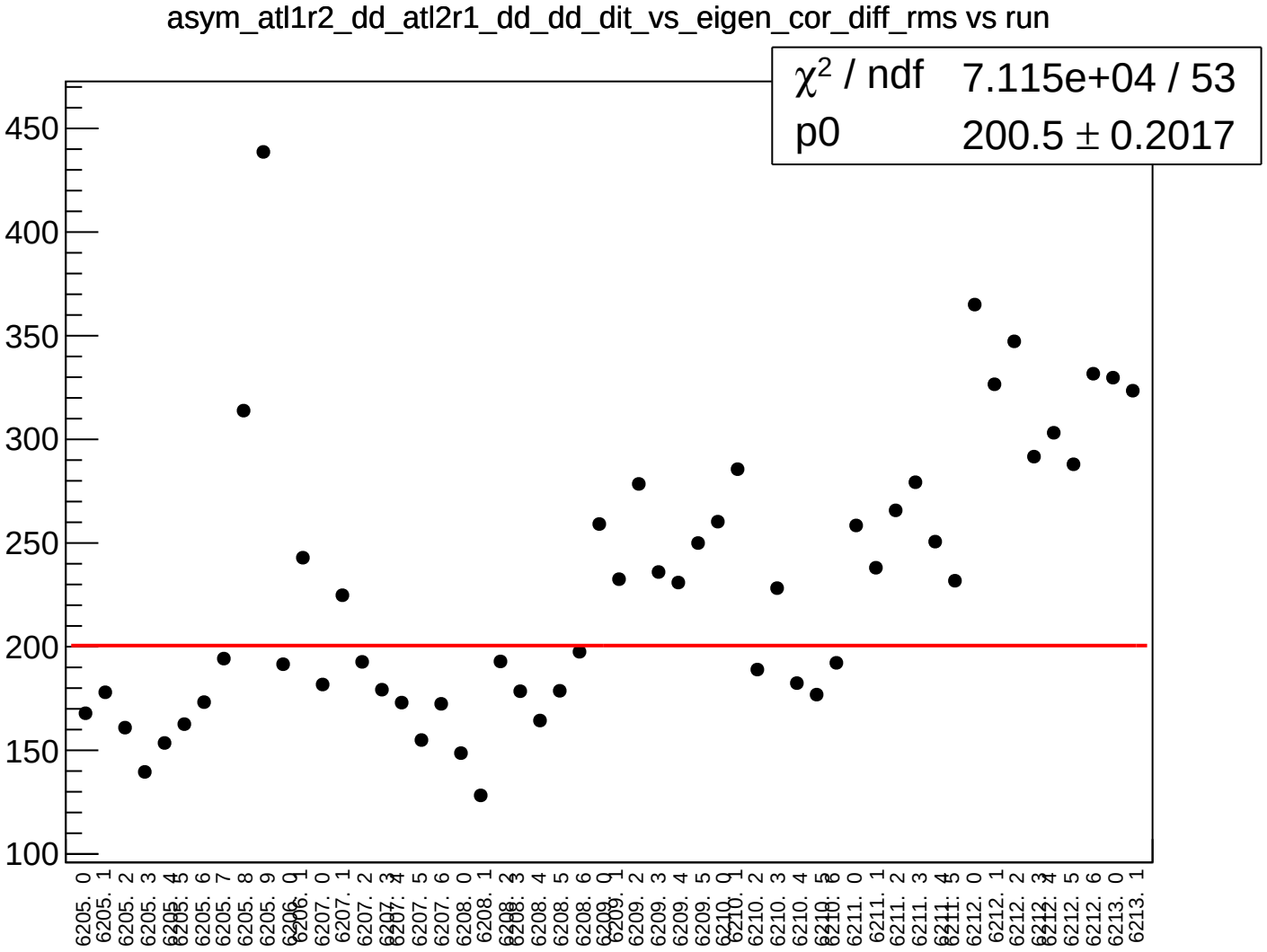

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 54.75 / 53
p0 0.3933 ± 0.2853
pull
Entries 54
Mean 52.42
Std Dev 0

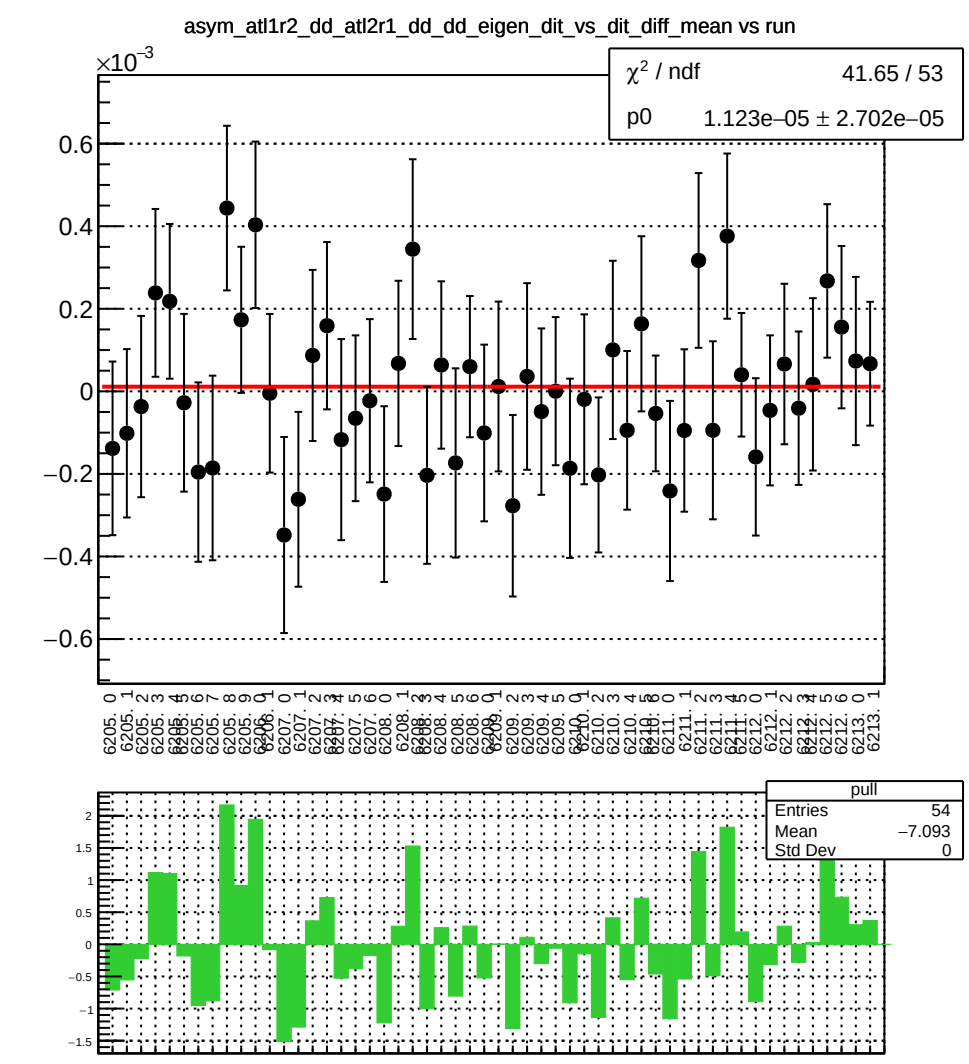

pull1D
Entries 54
Mean −0.03058
Std Dev 1.006

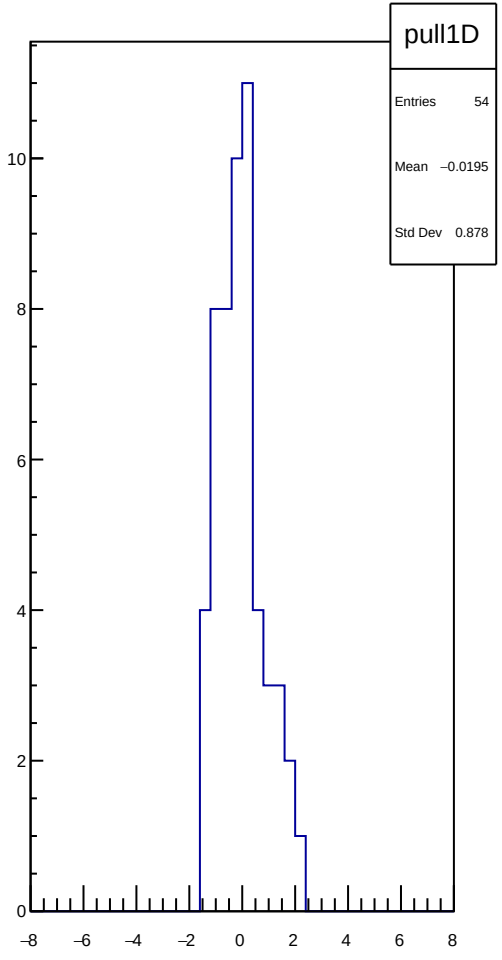

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 7.115e+04 / 53
p0 200.5 ± 0.2017
450
400
350
300
250
200
150
100
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 1
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

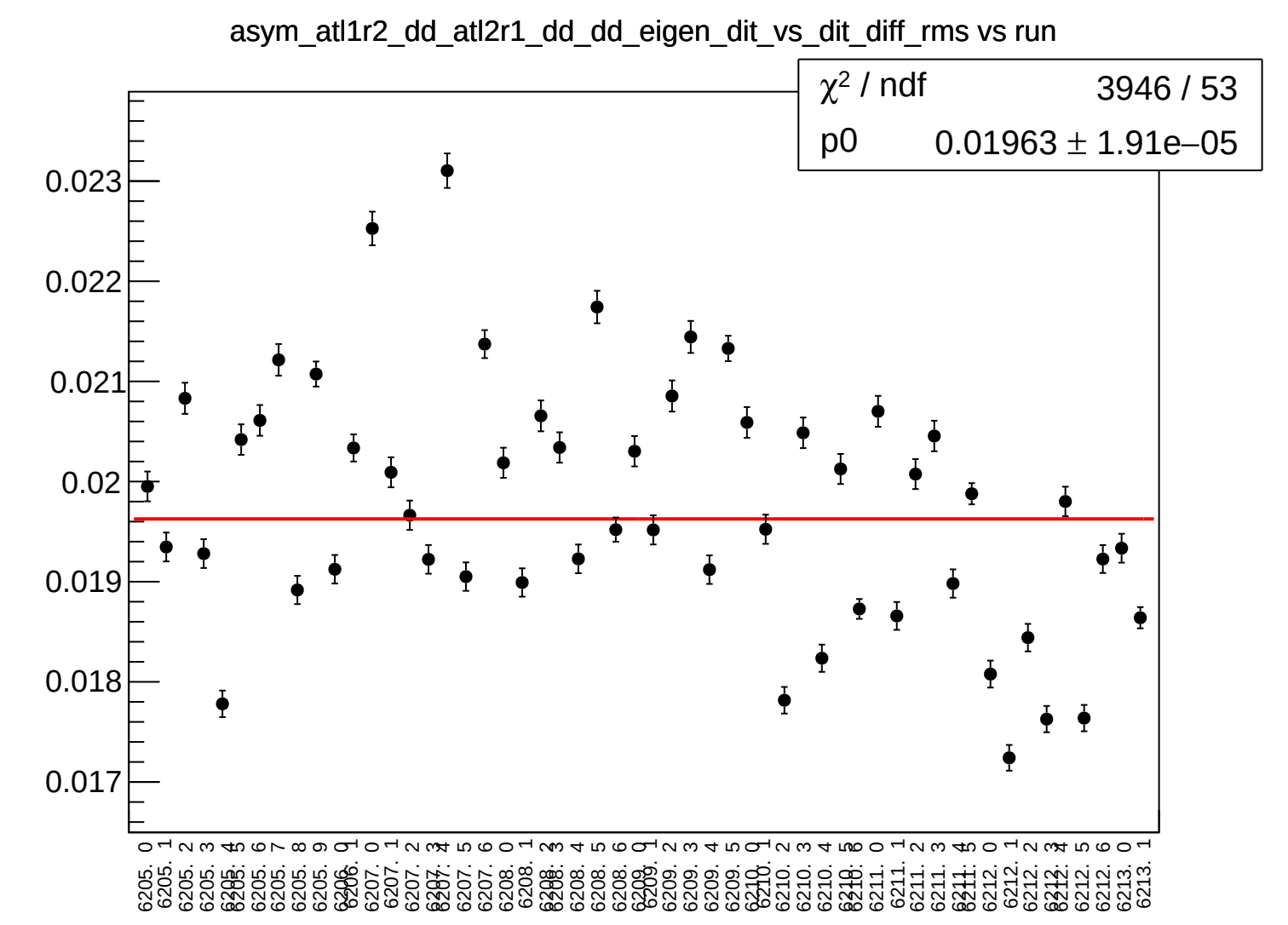

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 54.75 / 53
p0 0.3933 ± 0.2853
pull
Entries 54
Mean 52.42
Std Dev 0

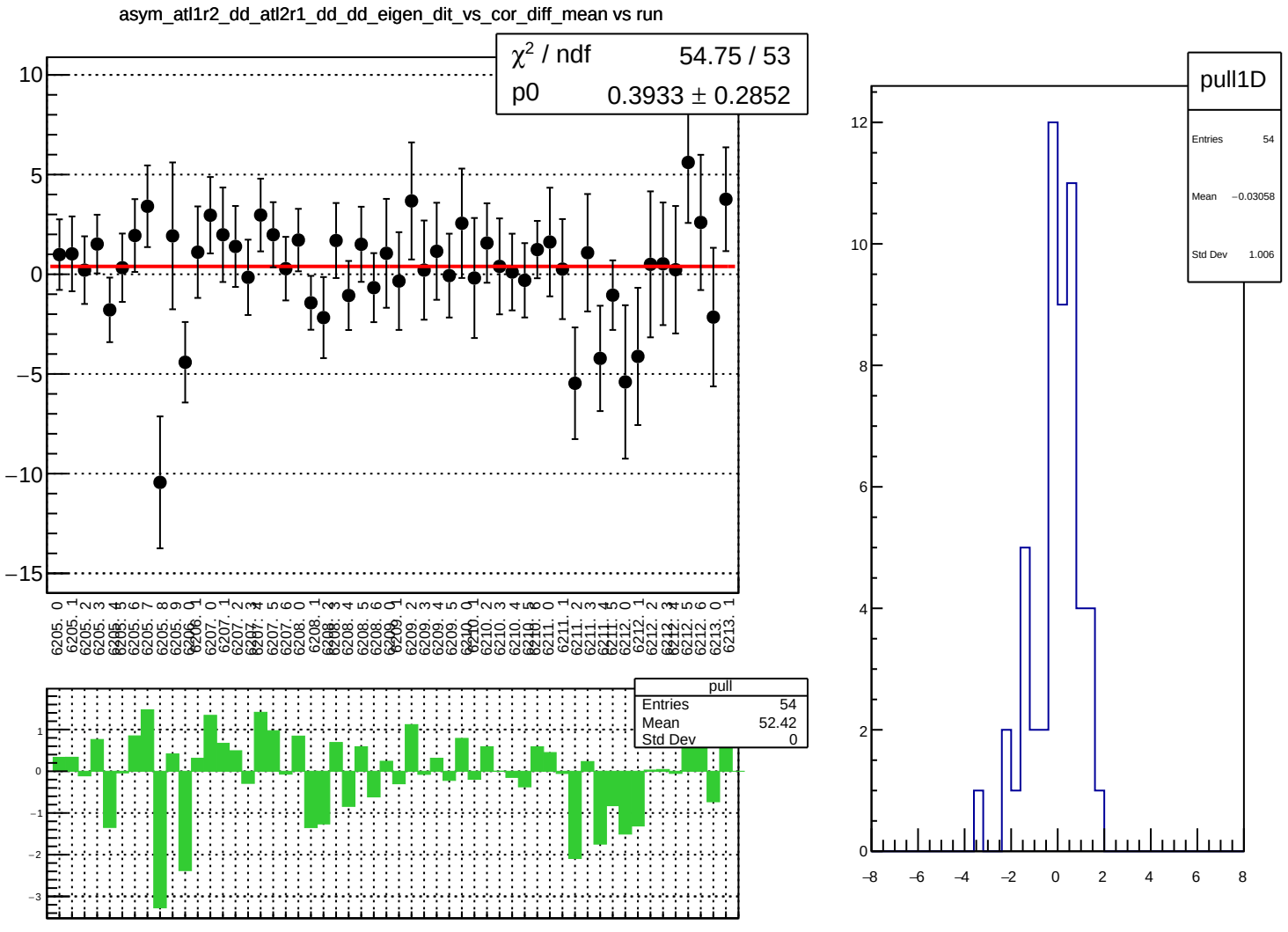

pull1D
Entries 54
Mean −0.03058
Std Dev 1.006

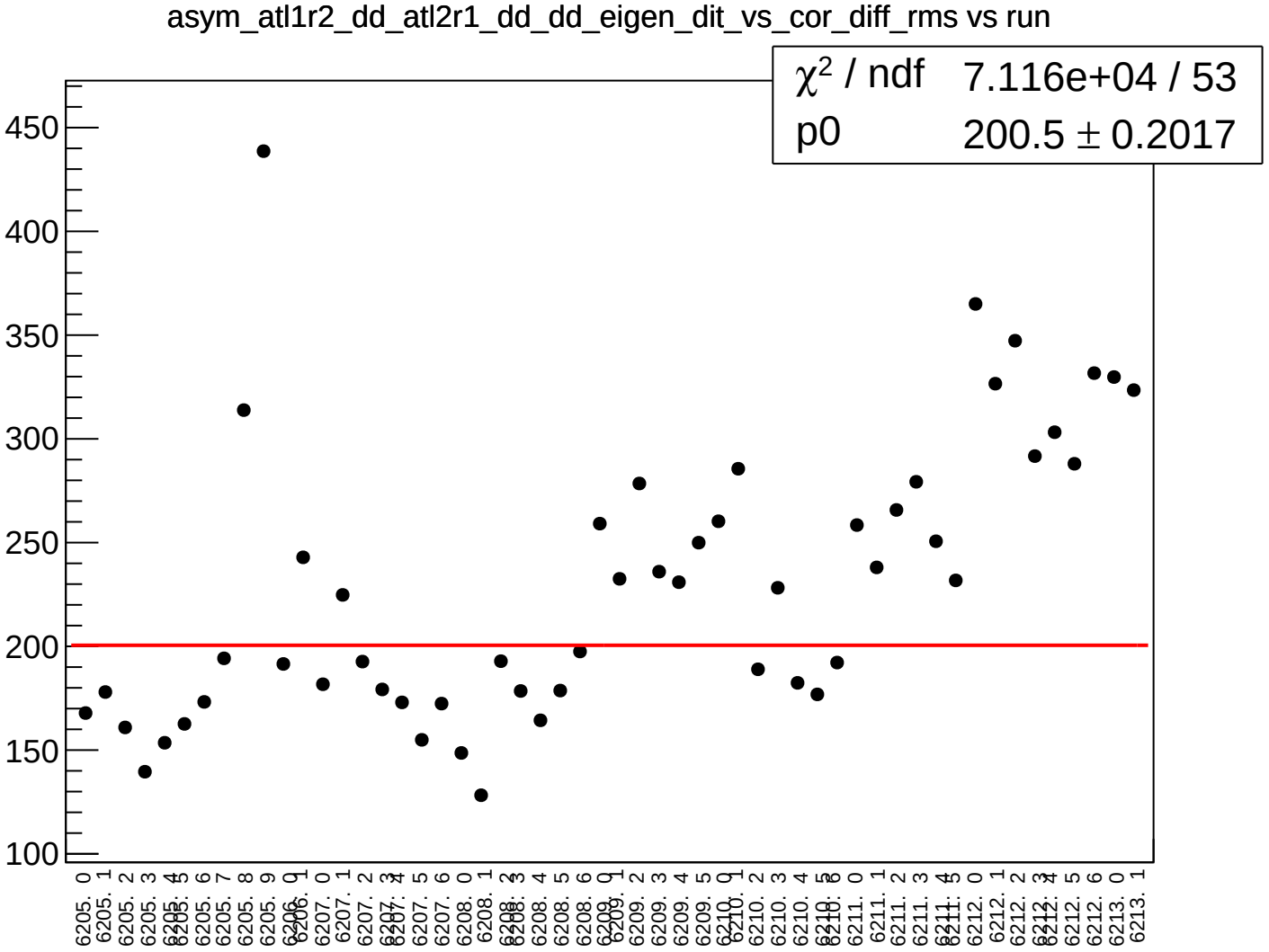

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.115e+04 / 53
p0 200.5 ± 0.2017
450
400
350
300
250
200
150
100
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

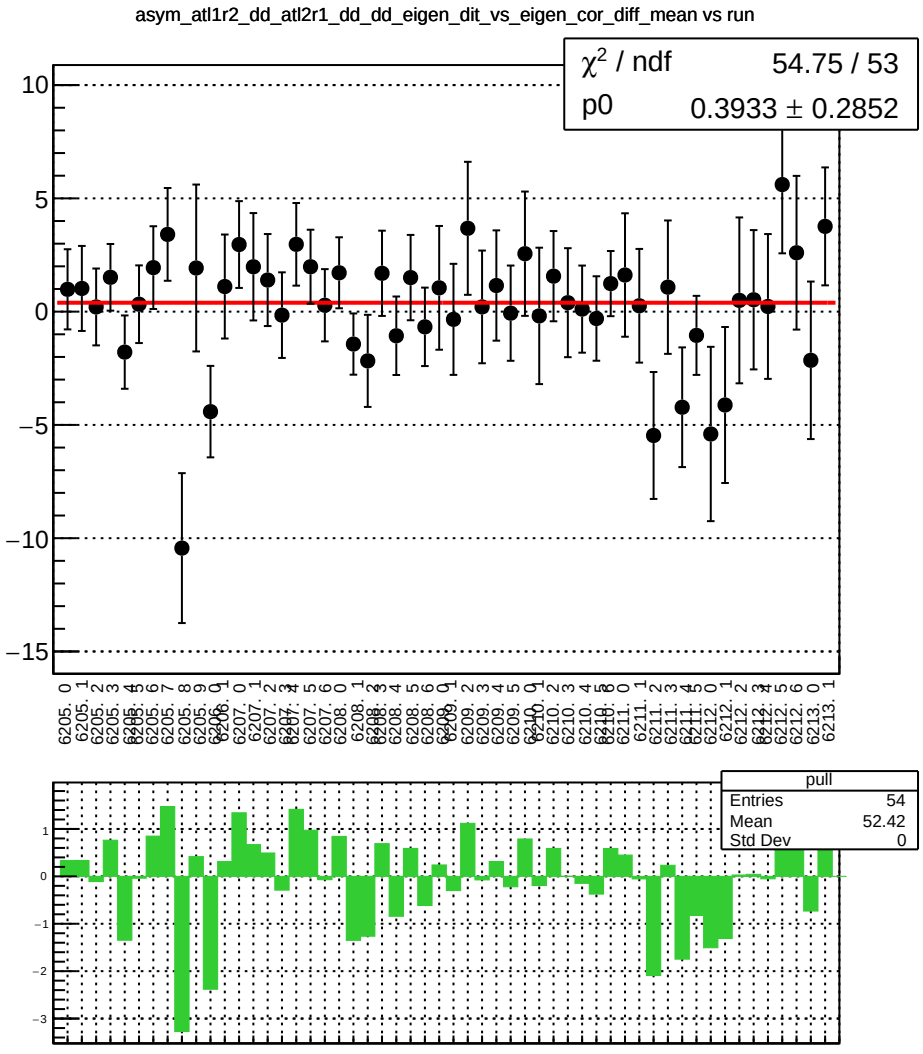

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 41.65 / 53
p0 1.123e−05 ± 2.702e−05
pull
Entries 54
Mean −7.093
Std Dev 0

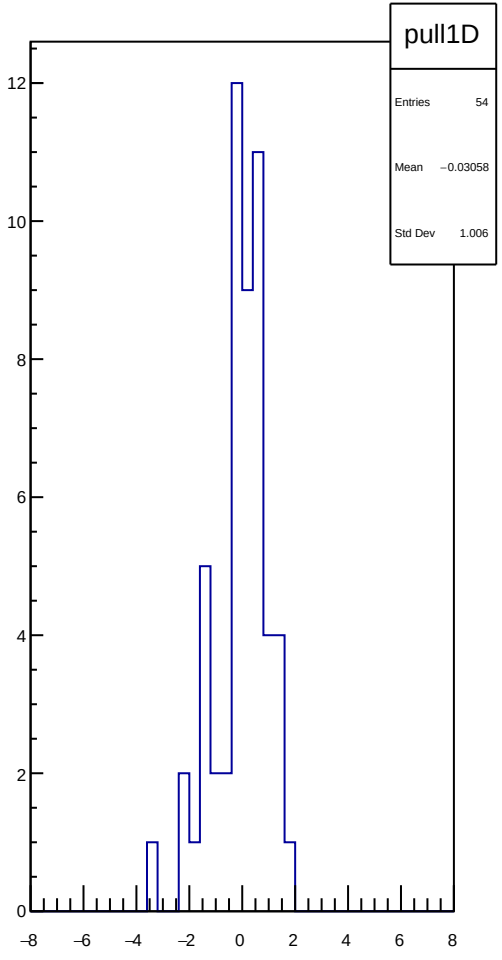

pull1D
Entries 54
Mean −0.0195
Std Dev 0.878

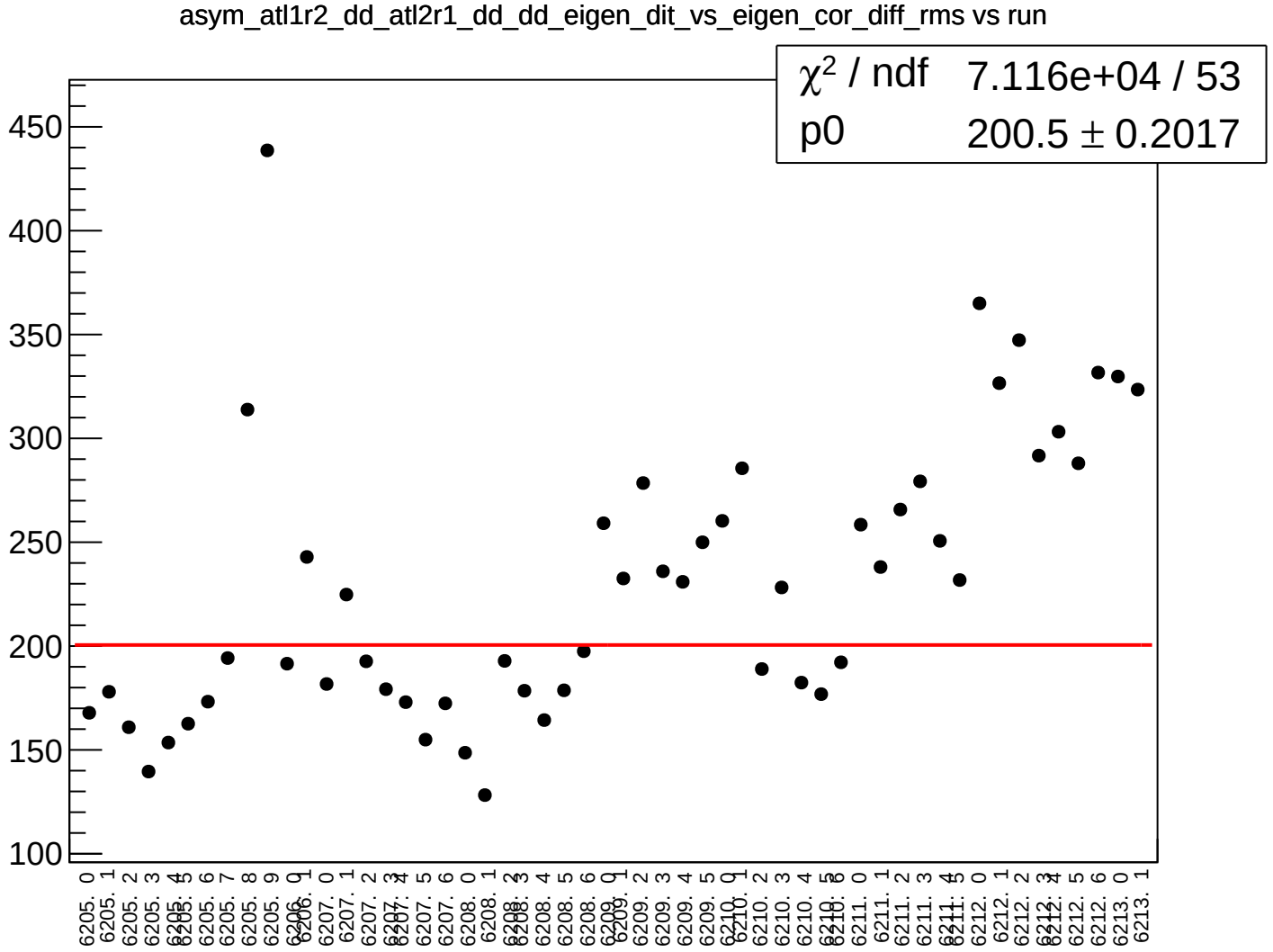

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3946 / 53
p0 0.01963 ± 1.91e−05
0.023
0.022
0.021
0.02
0.019
0.018
0.017

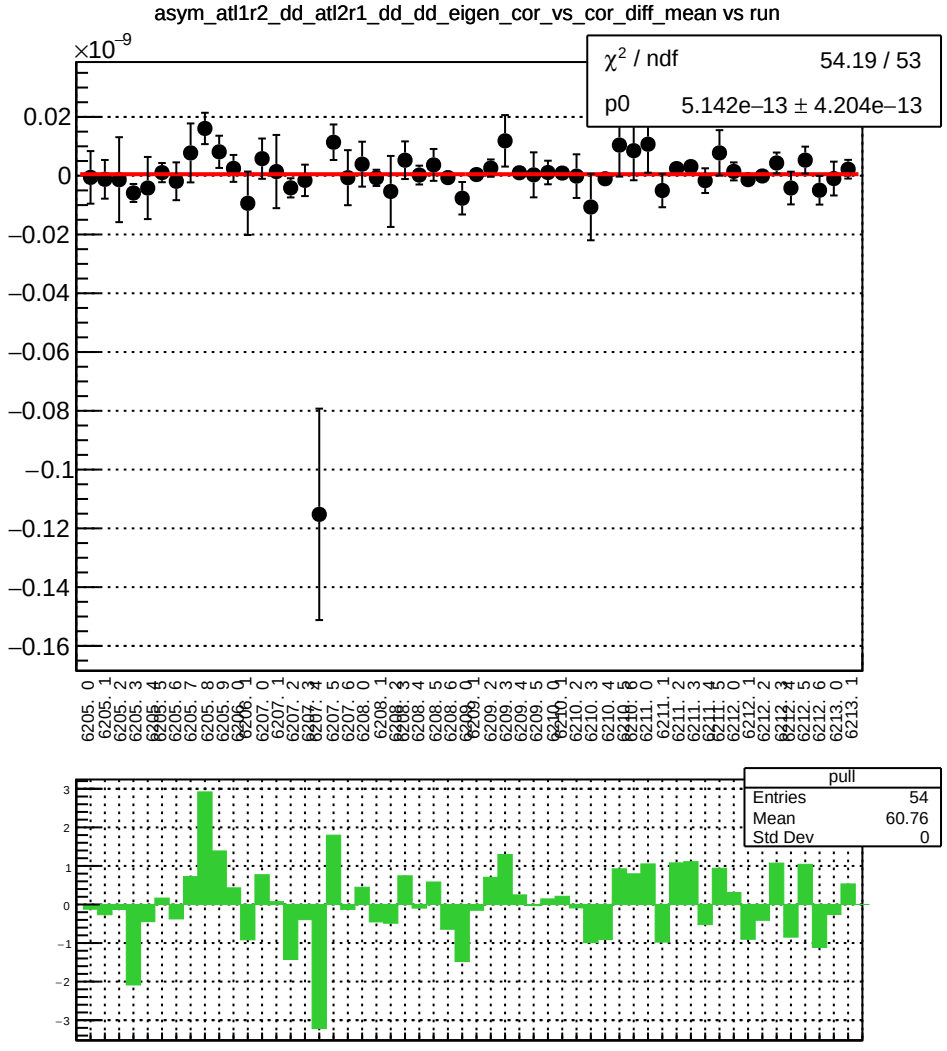

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 54.75 / 53
p0 0.3933 ± 0.2852
pull
Entries 54
Mean 52.42
Std Dev 0
pull1D
Entries 54
Mean −0.03058
Std Dev 1.006

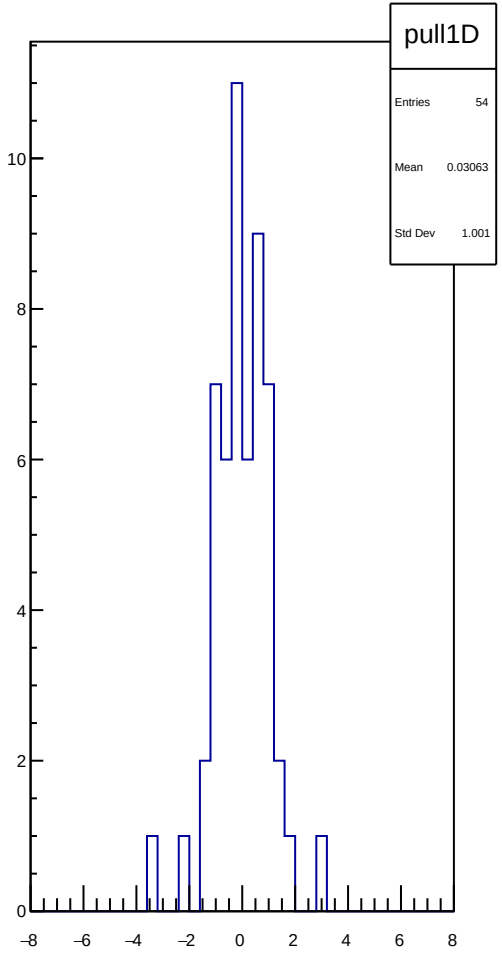

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 7.116e+04 / 53
p0 200.5 ± 0.2017
450
400
350
300
250
200
150
100
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

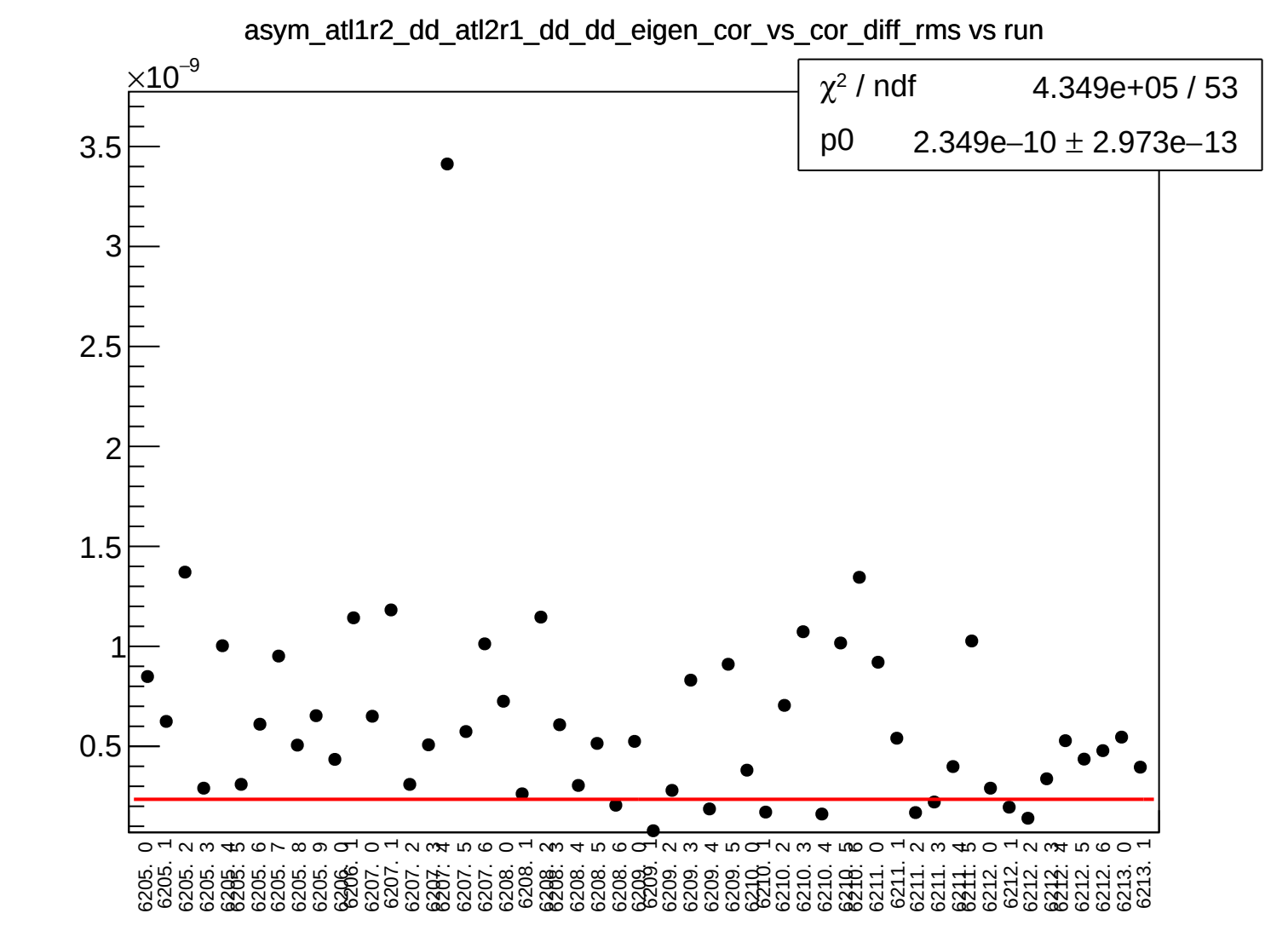

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 54.75 / 53
p0 0.3933 ± 0.2852
pull
Entries 54
Mean 52.42
Std Dev 0

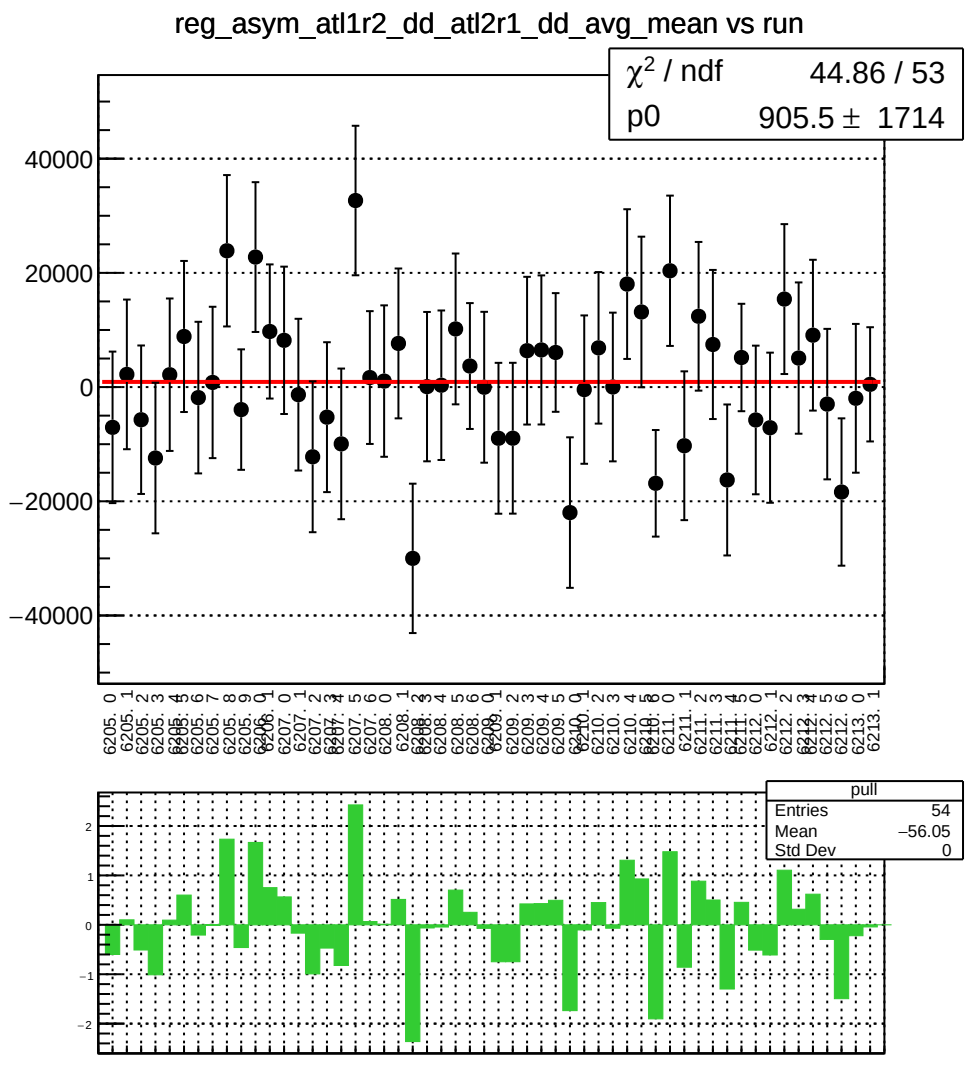

pull1D
Entries 54
Mean −0.03058
Std Dev 1.006

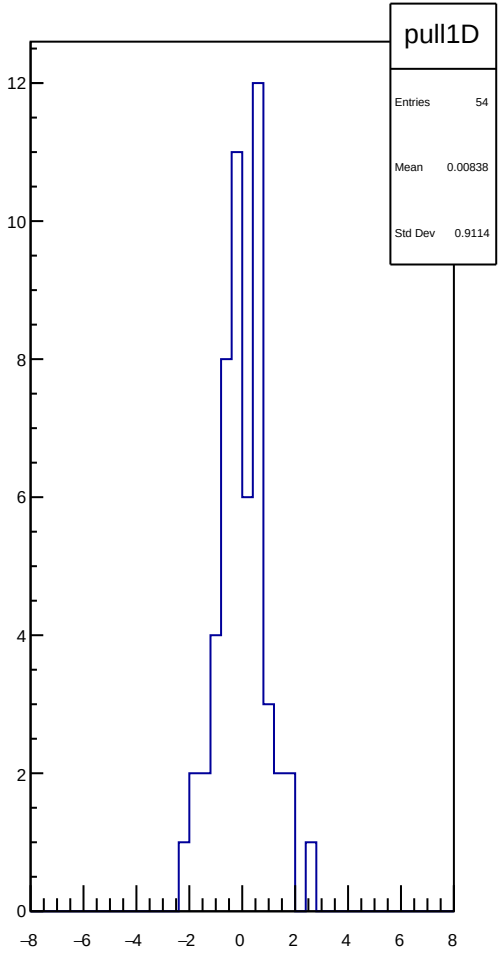

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.116e+04 / 53
p0 200.5 ± 0.2017
450
400
350
300
250
200
150
100
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

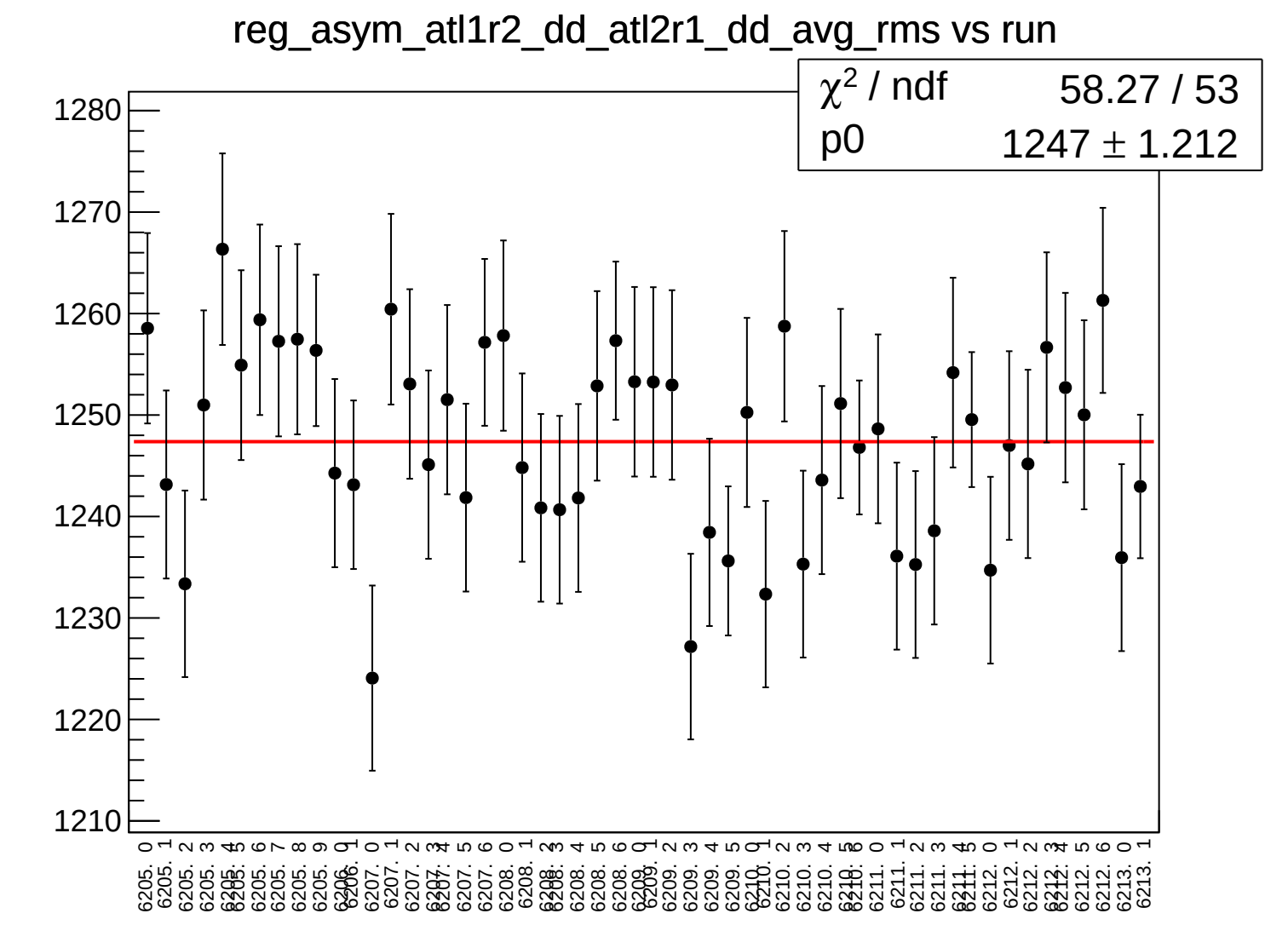

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻⁹
χ² / ndf 54.19 / 53
p0 5.142e−13 ± 4.204e−13
pull
Entries 54
Mean 60.76
Std Dev 0

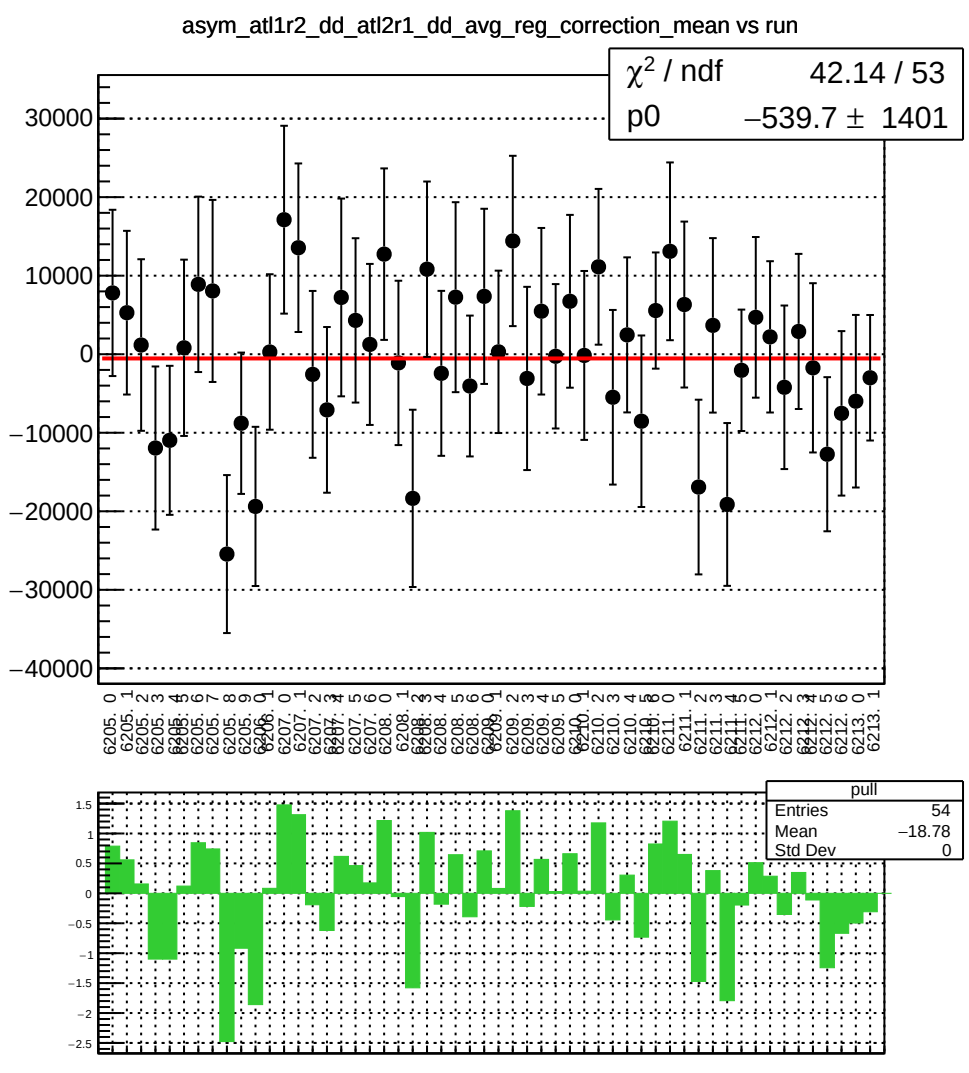

pull1D
Entries 54
Mean 0.03063
Std Dev 1.001

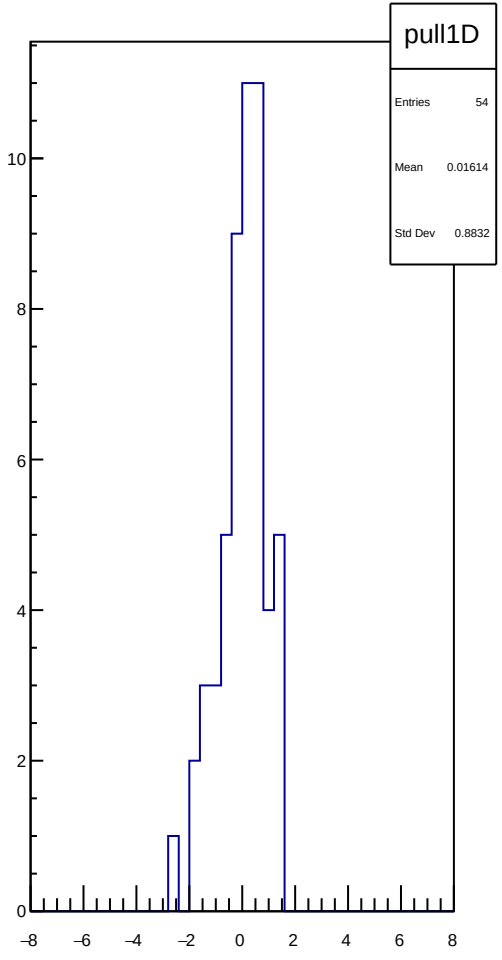

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.349e+05 / 53
p0 2.349e−10 ± 2.973e−13
3.5
3
2.5
2
1.5
1
0.5
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

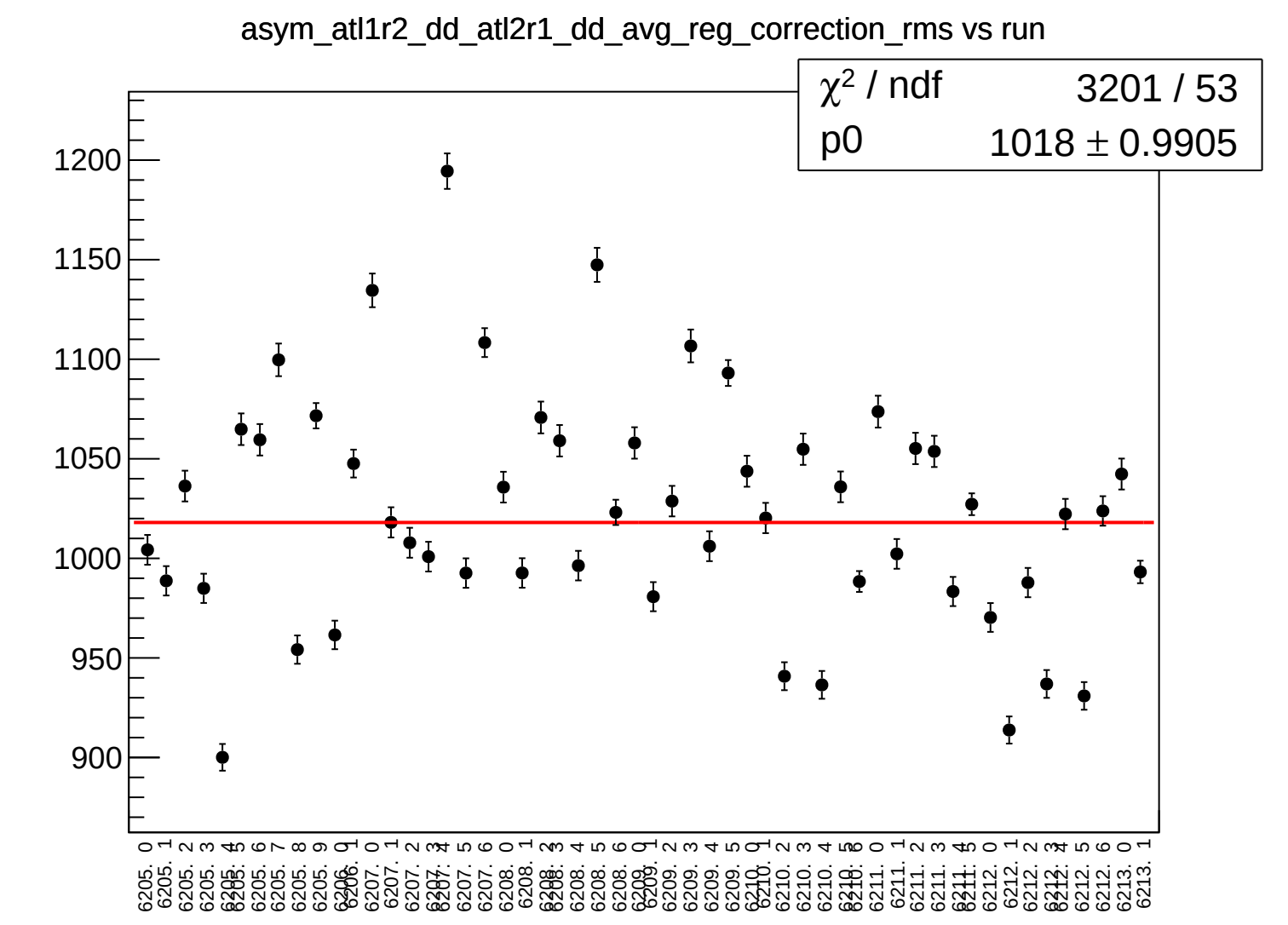

reg_asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 44.86 / 53
p0 905.5 ± 1714
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −56.05
Std Dev 0

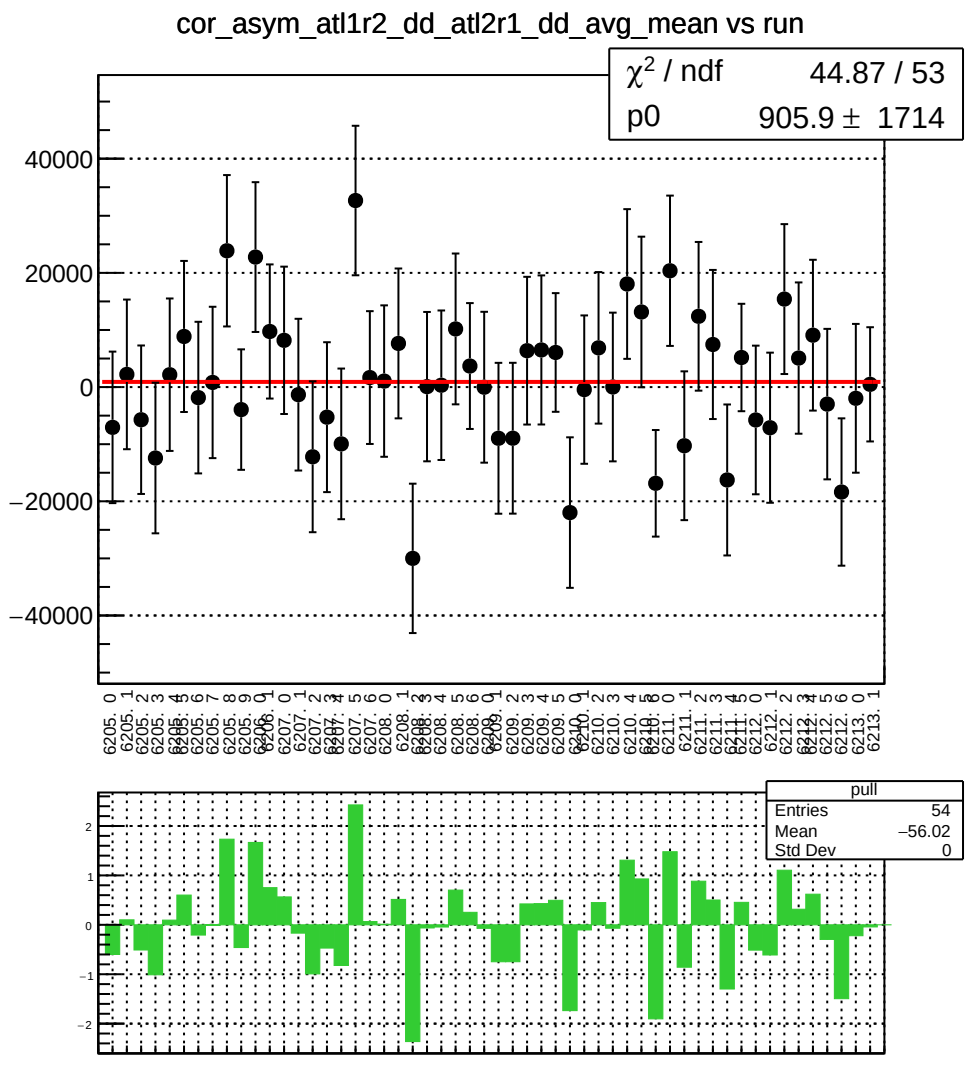

pull1D
Entries 54
Mean 0.00838
Std Dev 0.9114

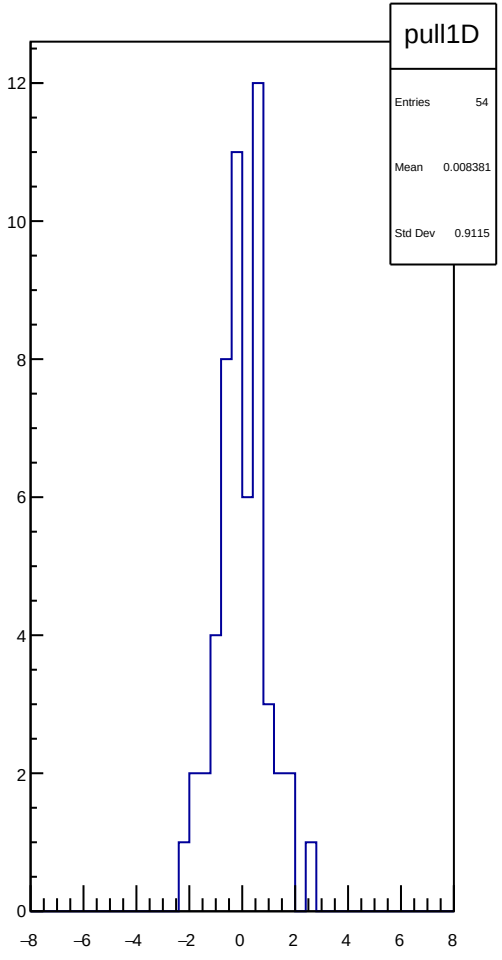

reg_asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ² / ndf 58.27 / 53
p0 1247 ± 1.212
1280
1270
1260
1250
1240
1230
1220
1210
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

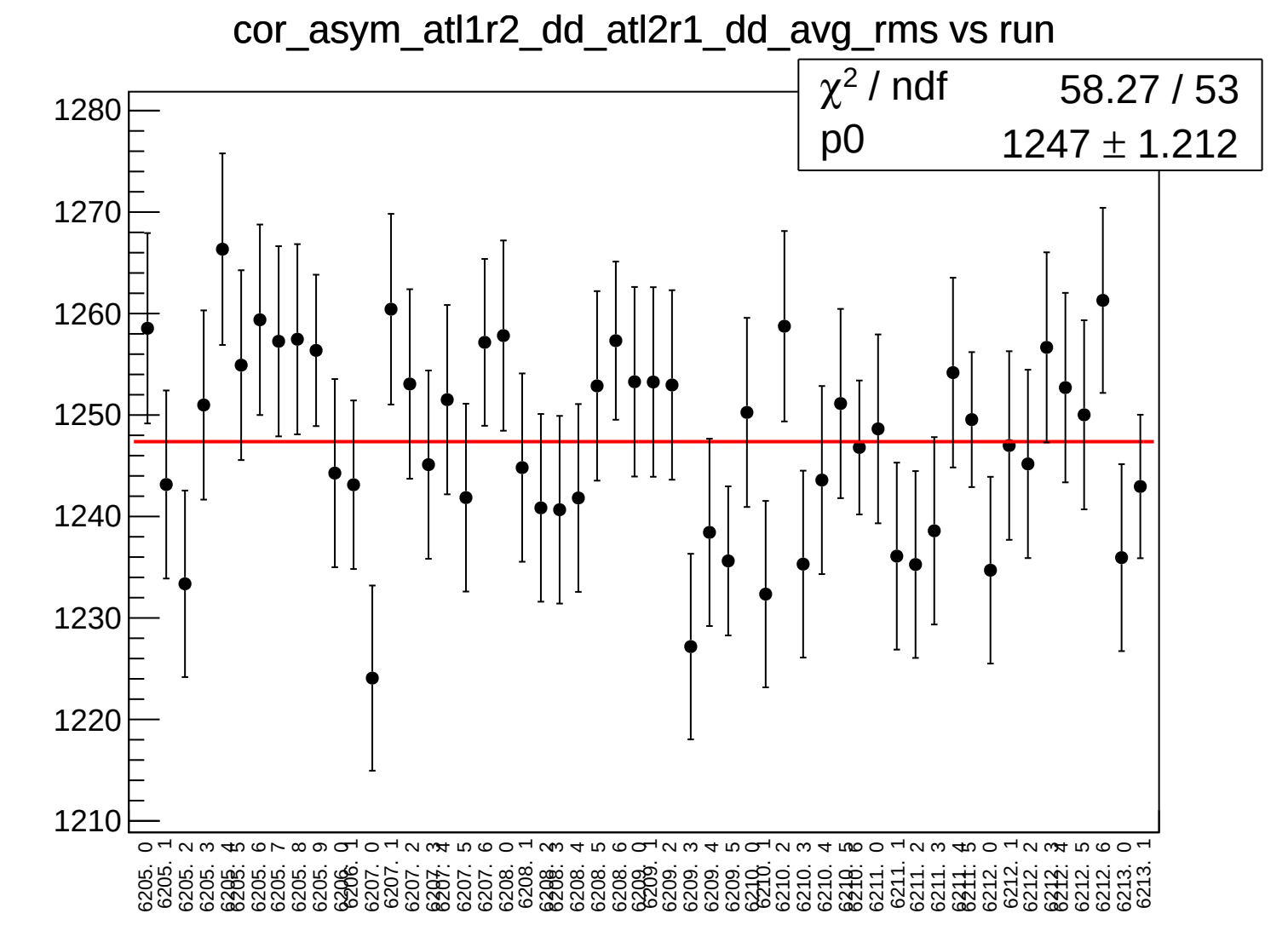

asym_atl1r2_dd_atl2r1_dd_avg_reg_correction_mean vs run
χ² / ndf 42.14 / 53
p0 −539.7 ± 1401
pull
Entries 54
Mean −18.78
Std Dev 0

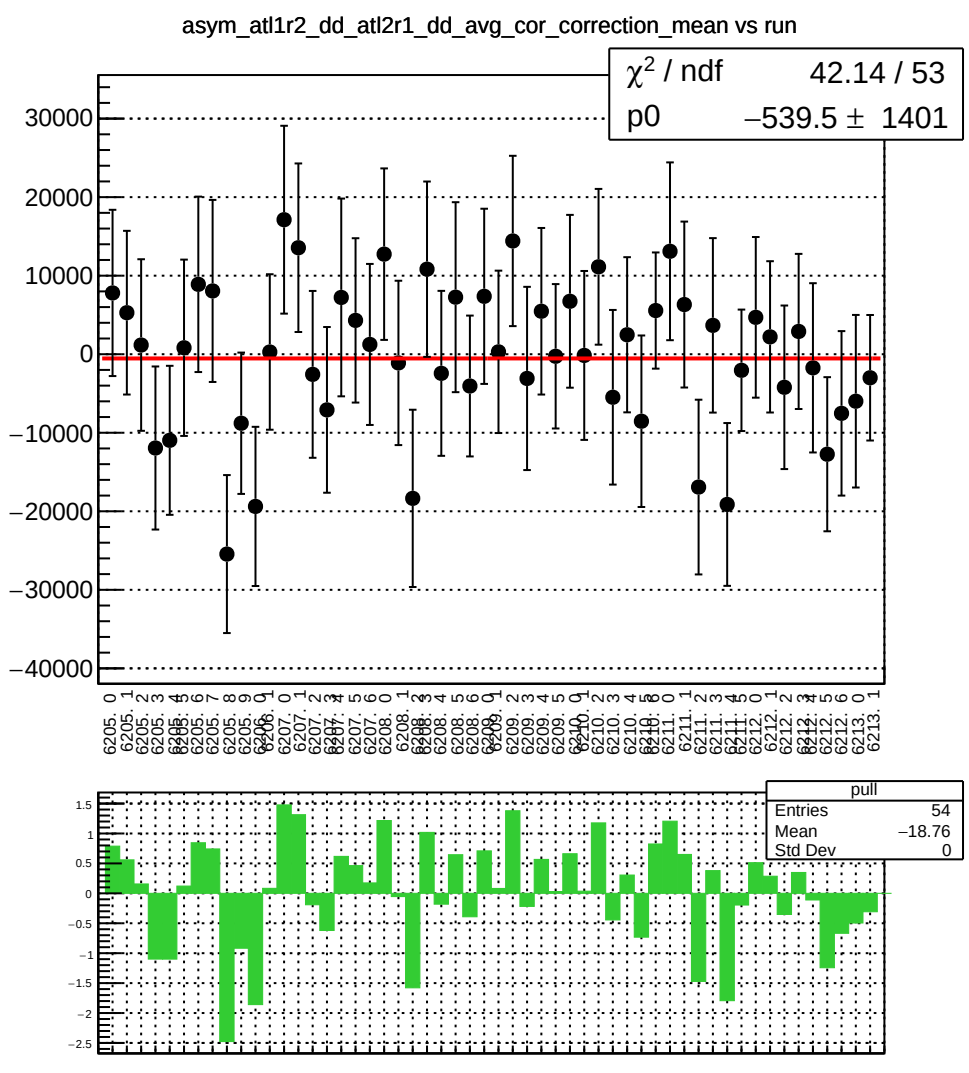

pull1D
Entries 54
Mean 0.01614
Std Dev 0.8832

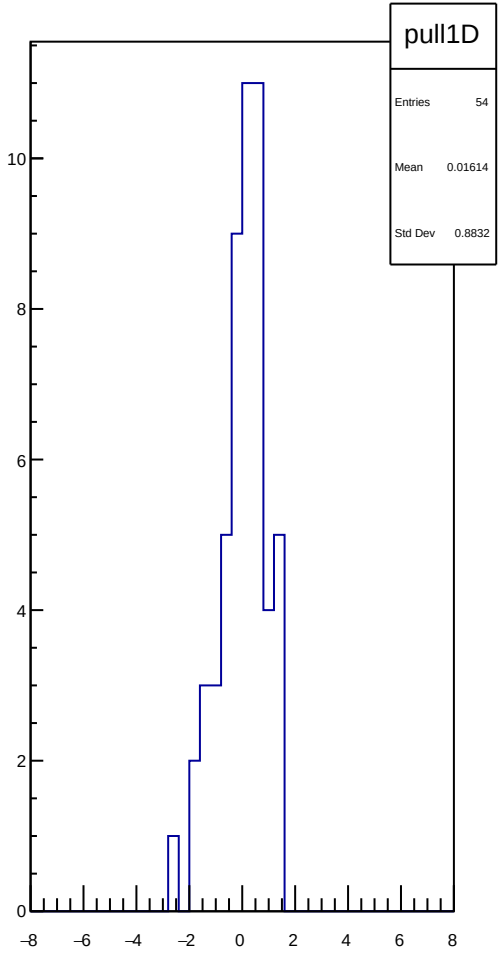

asym_atl1r2_dd_atl2r1_dd_avg_reg_correction_rms vs run
χ² / ndf 3201 / 53
p0 1018 ± 0.9905
1200
1150
1100
1050
1000
950
900
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

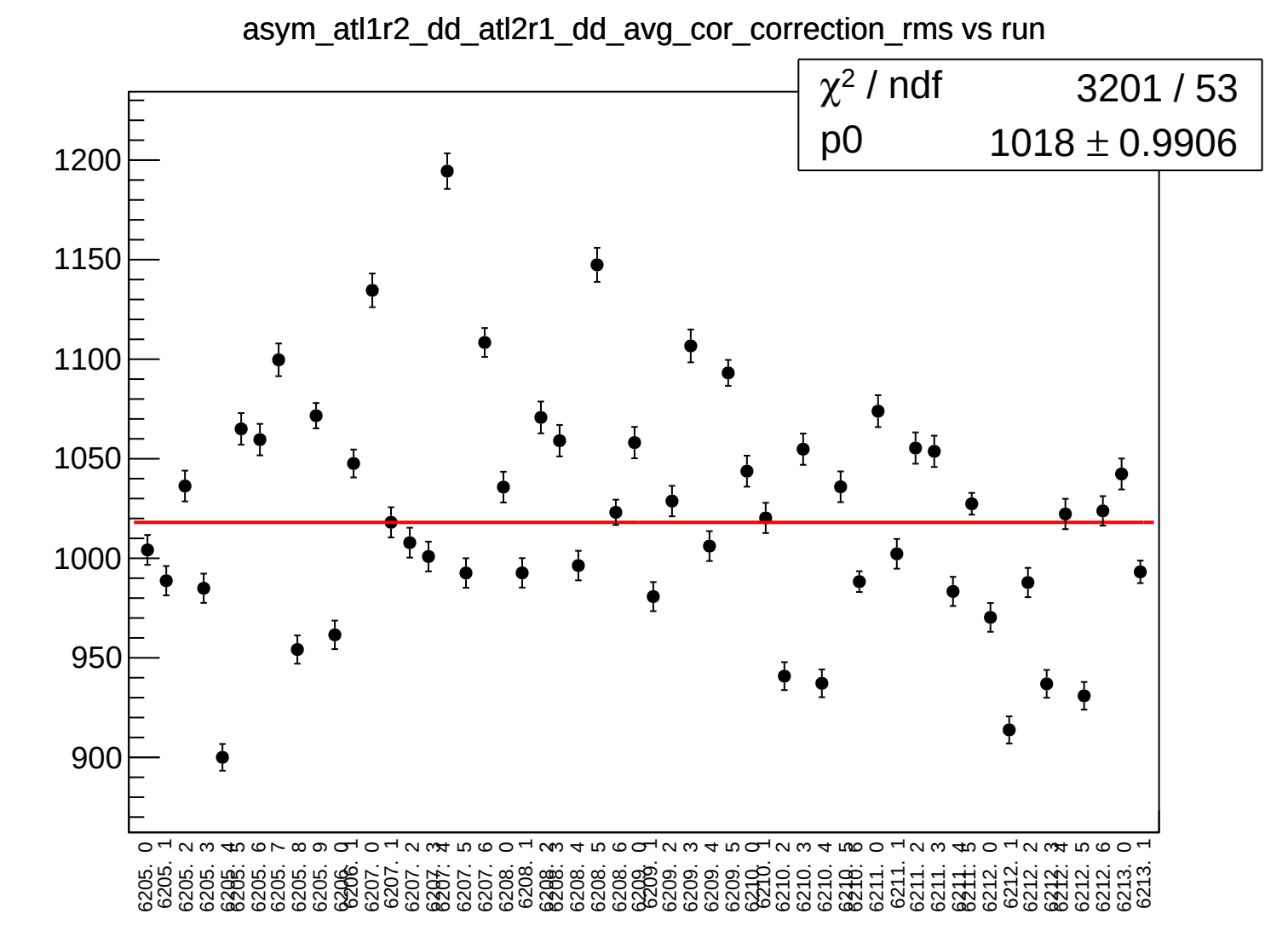

cor_asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 44.87 / 53
p0 905.9 ± 1714
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −56.02
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 54
Mean 0.008381
Std Dev 0.9115
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ² / ndf 58.27 / 53
p0 1247 ± 1.212
1280
1270
1260
1250
1240
1230
1220
1210
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_mean vs run
χ² / ndf 42.14 / 53
p0 −539.5 ± 1401
pull
Entries 54
Mean −18.76
Std Dev 0


pull1D
Entries 54
Mean 0.01614
Std Dev 0.8832


asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_rms vs run
χ² / ndf 3201 / 53
p0 1018 ± 0.9906
1200
1150
1100
1050
1000
950
900
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
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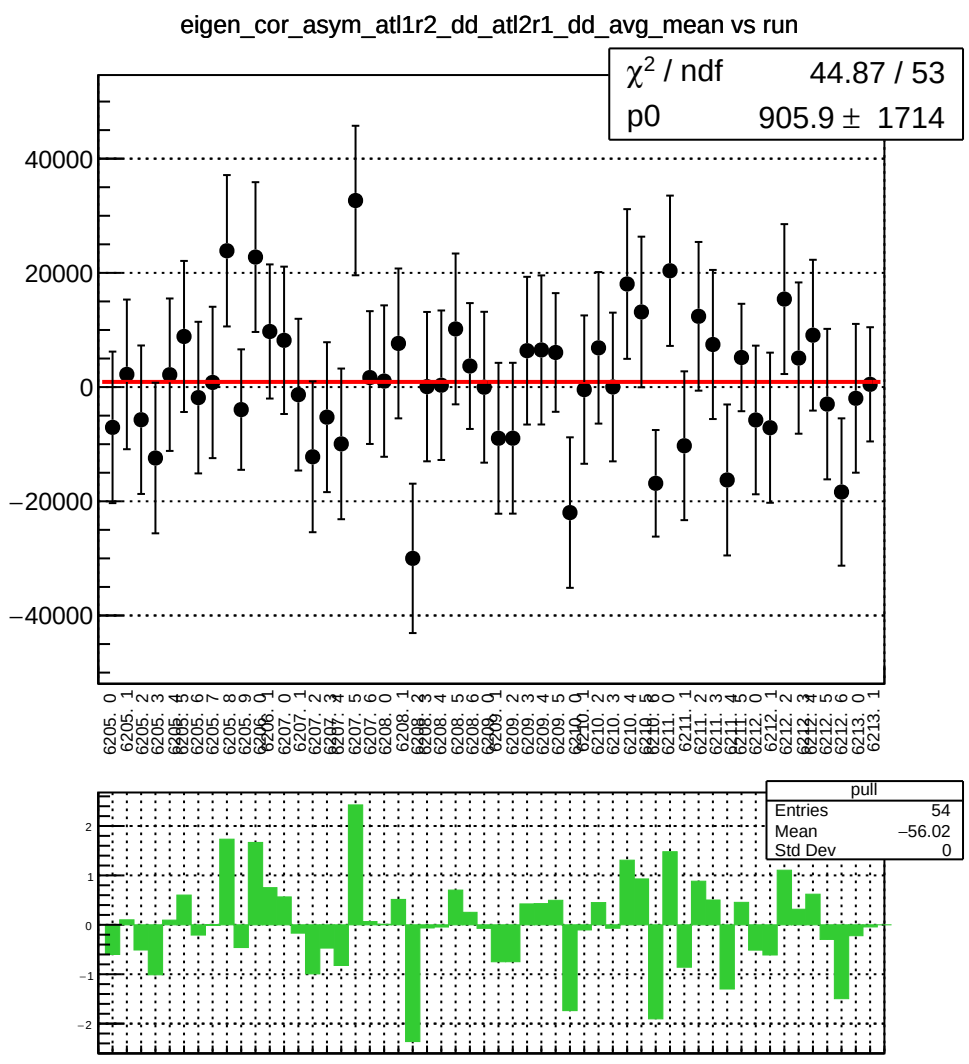
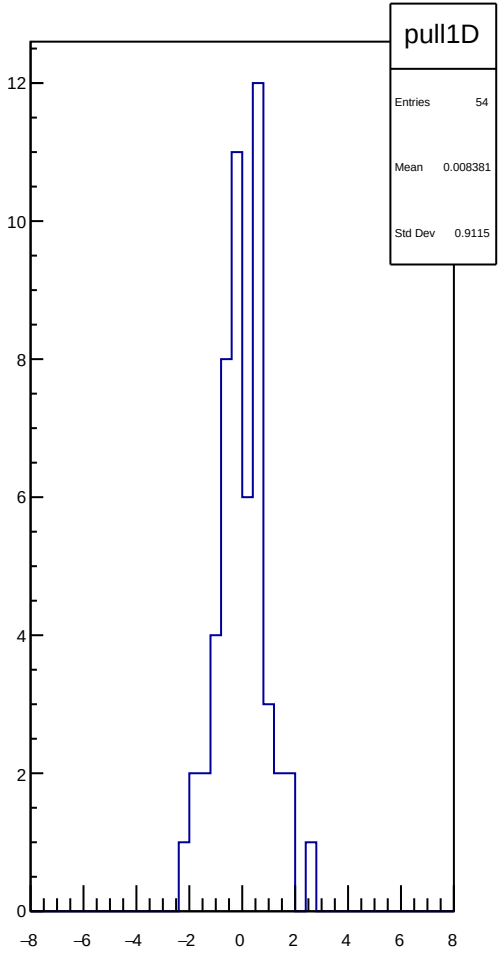
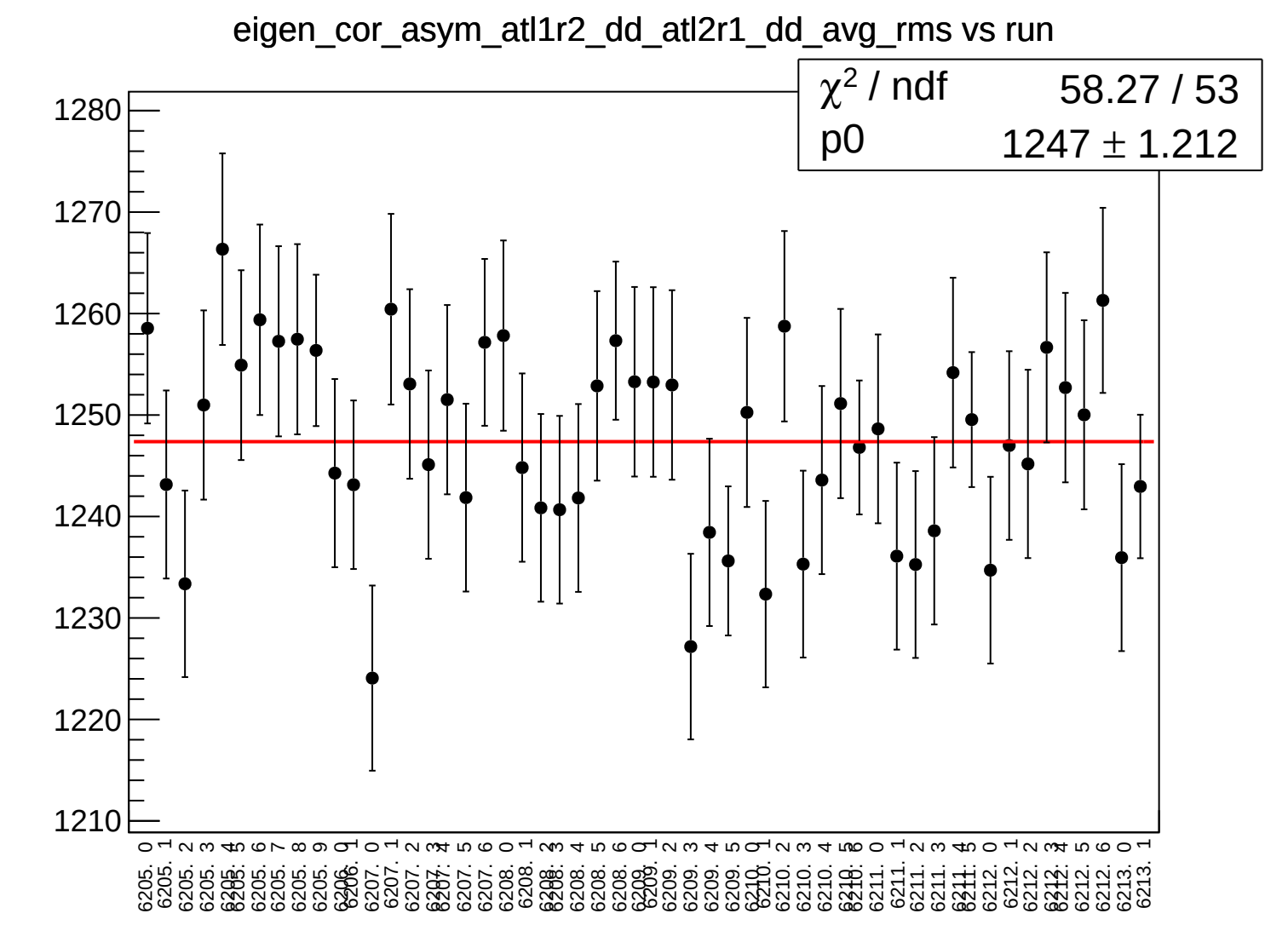
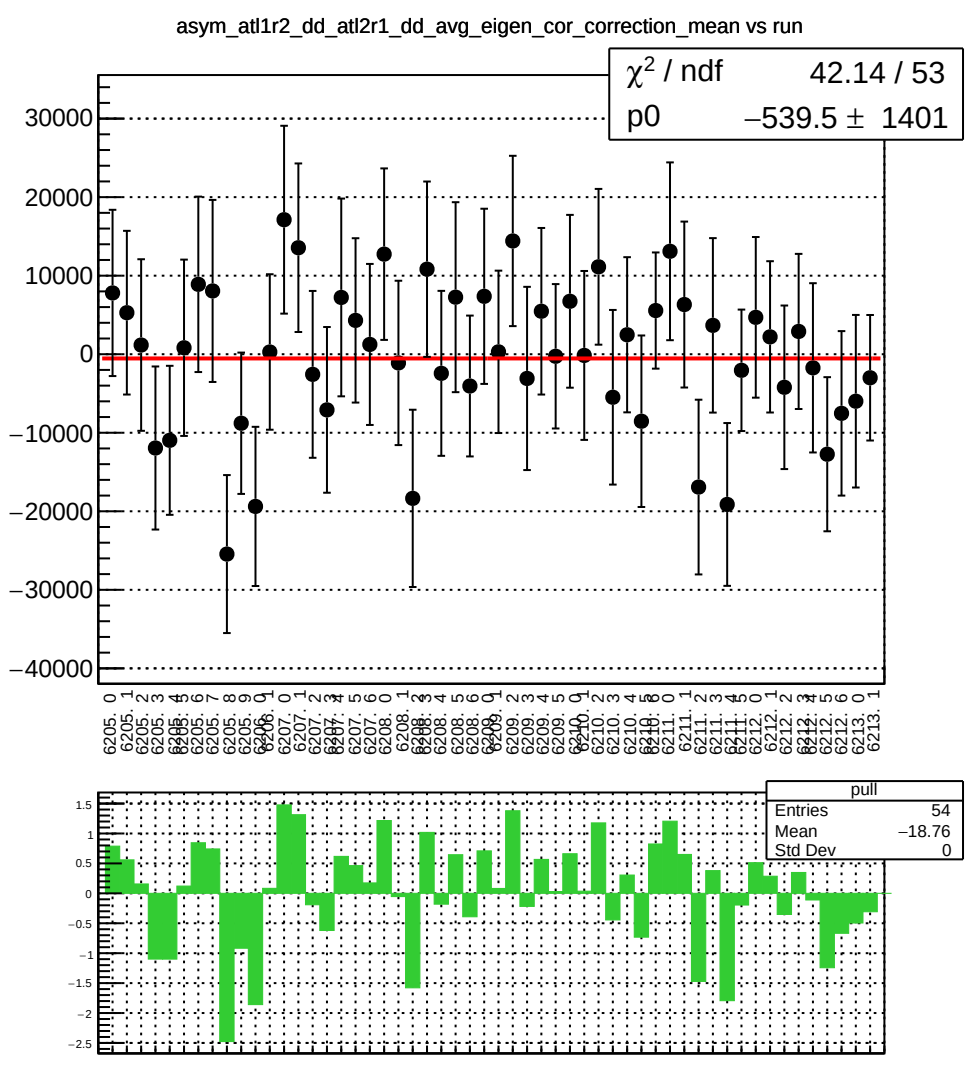
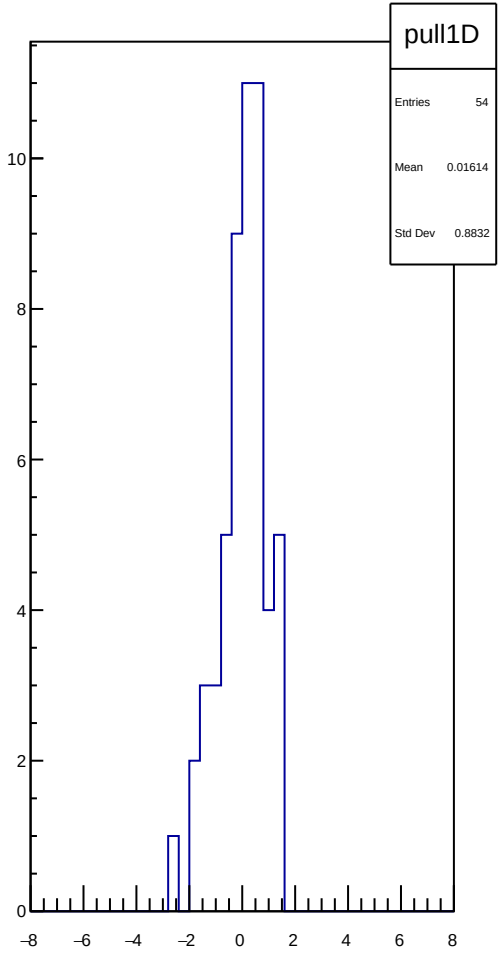
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

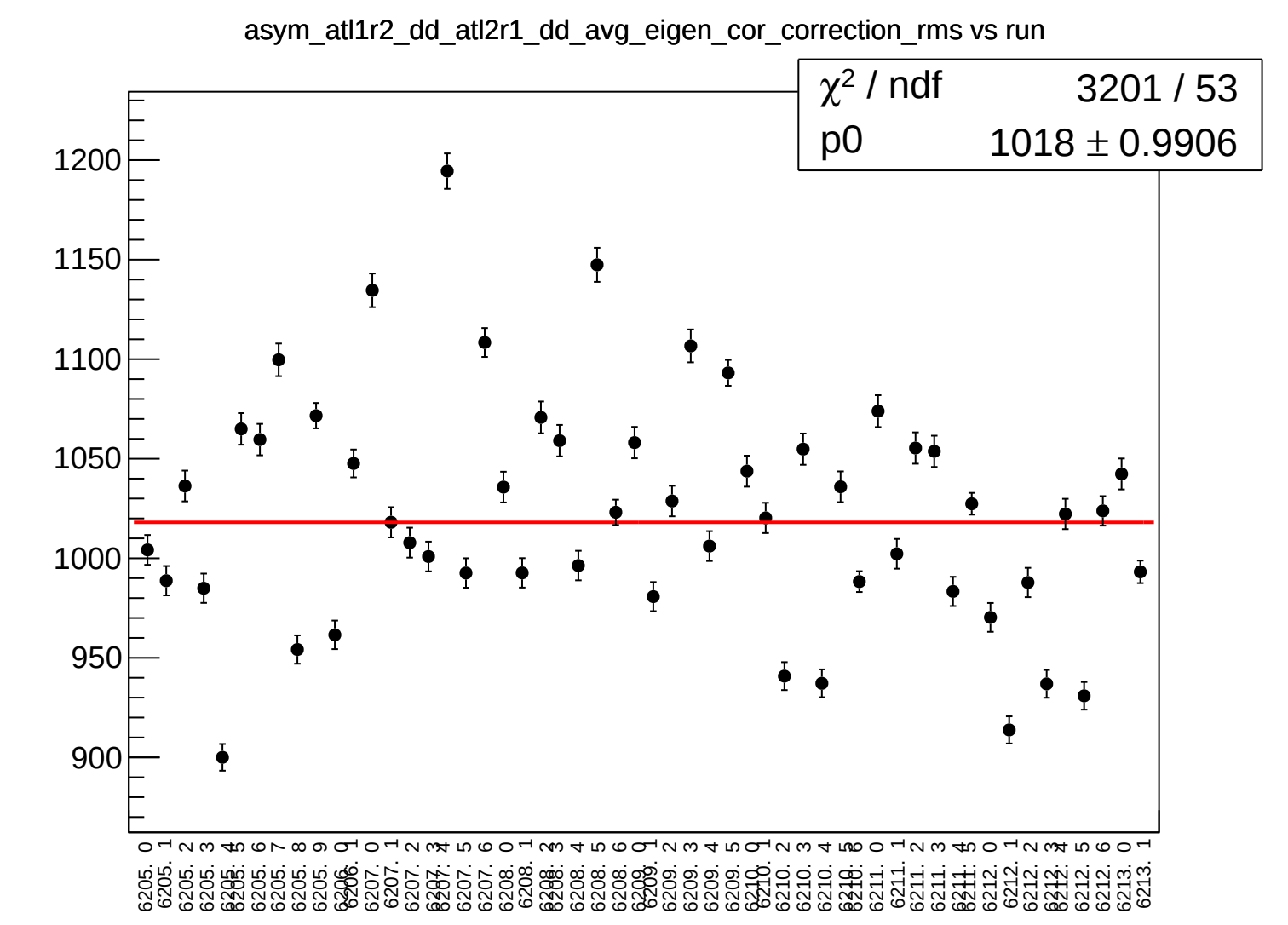

eigen_cor_asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 44.87 / 53
p0 905.9 ± 1714
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −56.02
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 54
Mean 0.008381
Std Dev 0.9115
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ² / ndf 58.27 / 53
p0 1247 ± 1.212
1280
1270
1260
1250
1240
1230
1220
1210
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_mean vs run
χ² / ndf 42.14 / 53
p0 −539.5 ± 1401
pull
Entries 54
Mean −18.76
Std Dev 0


pull1D
Entries 54
Mean 0.01614
Std Dev 0.8832


asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 3201 / 53
p0 1018 ± 0.9906
1200
1150
1100
1050
1000
950
900
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
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6207. 0
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6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
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6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
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6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
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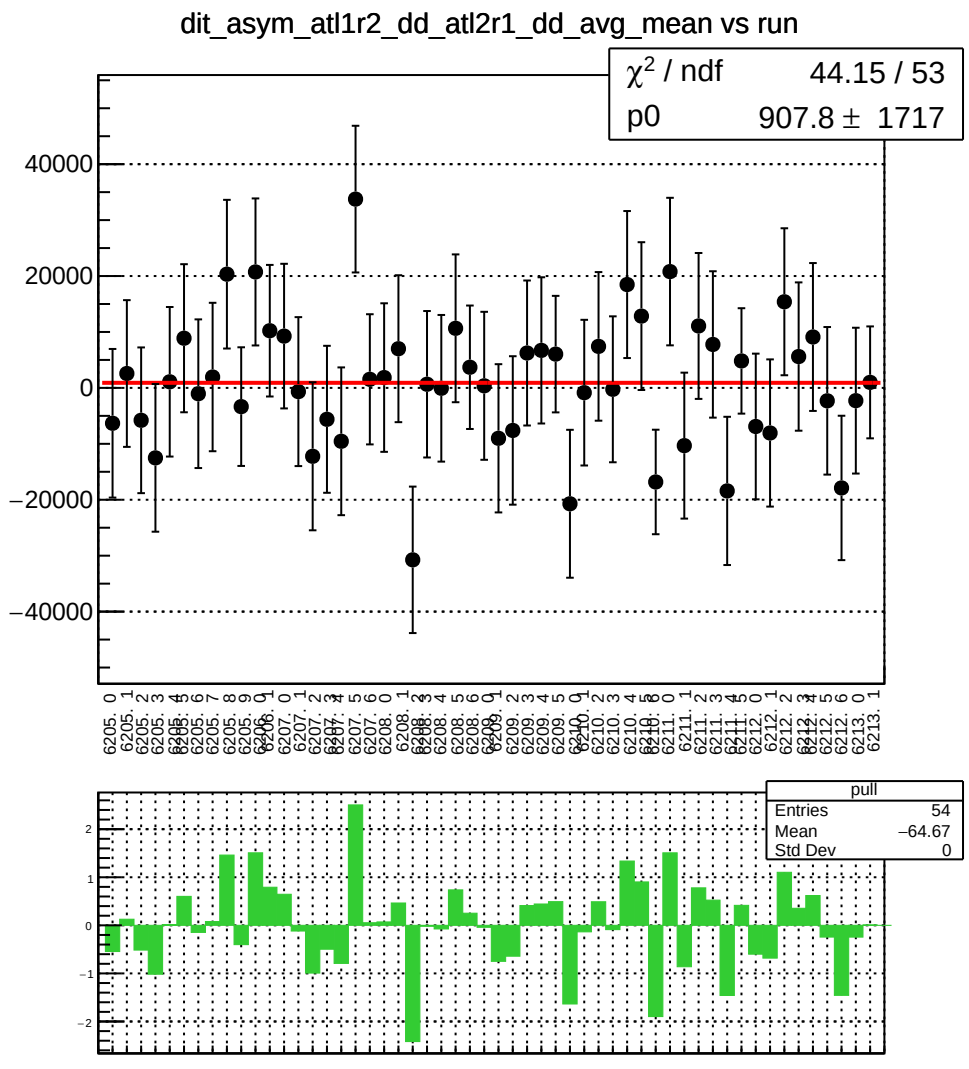
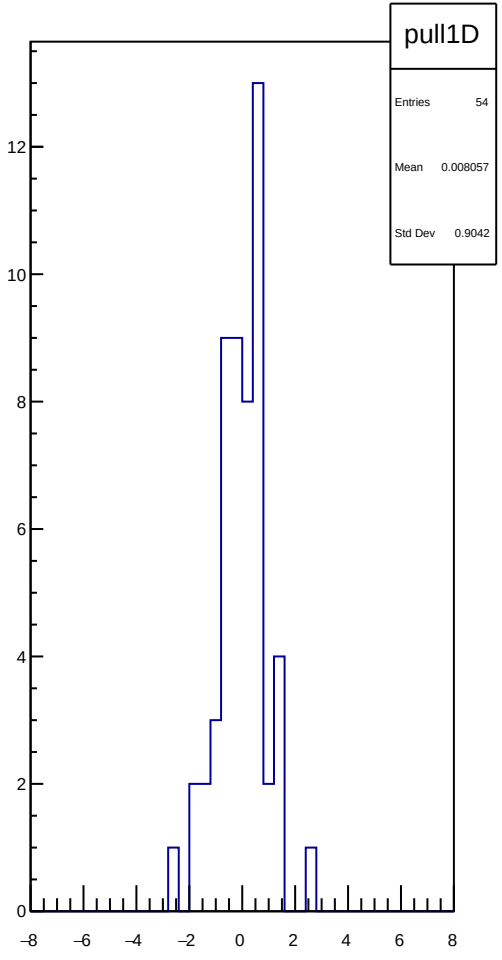
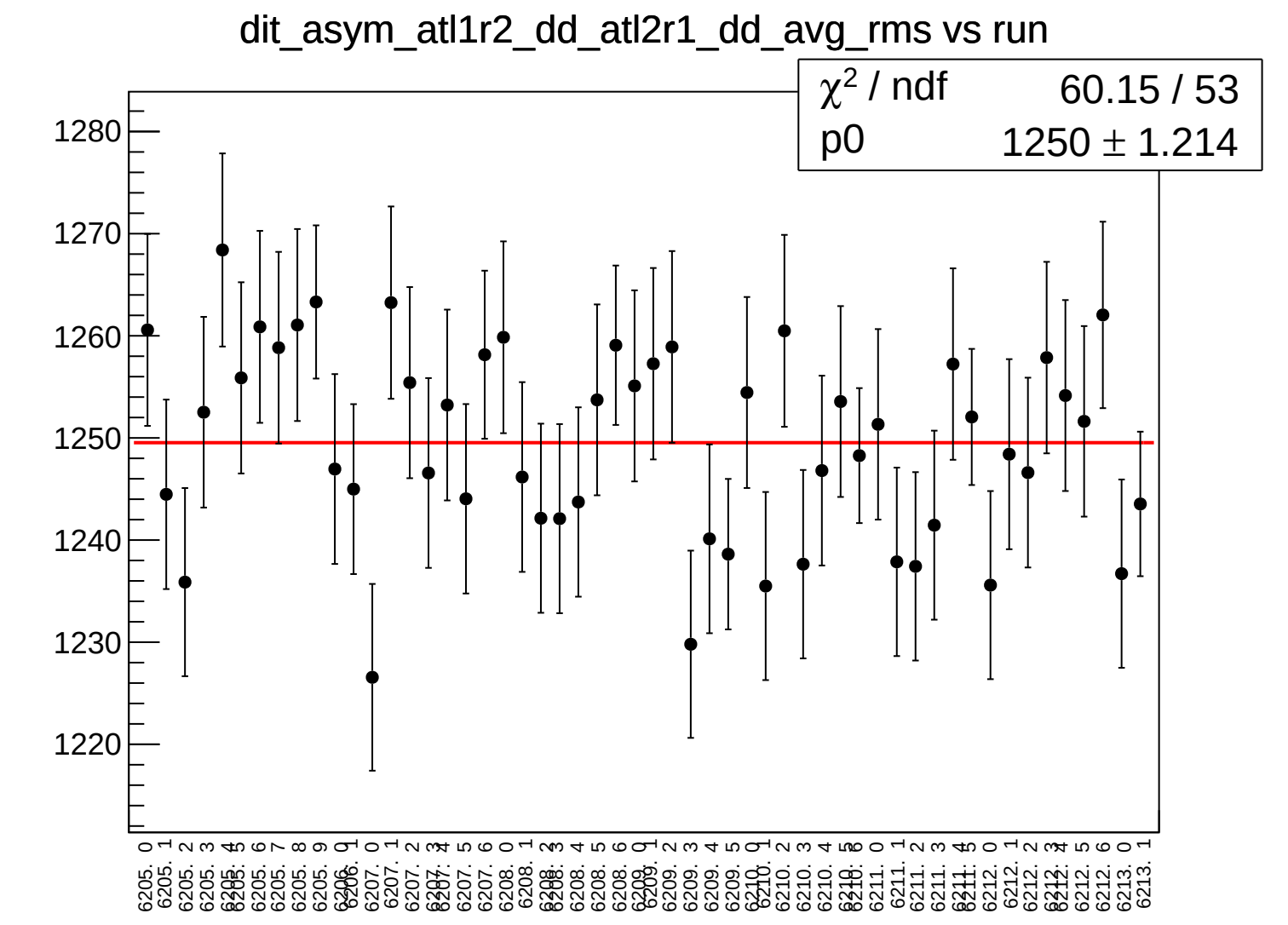
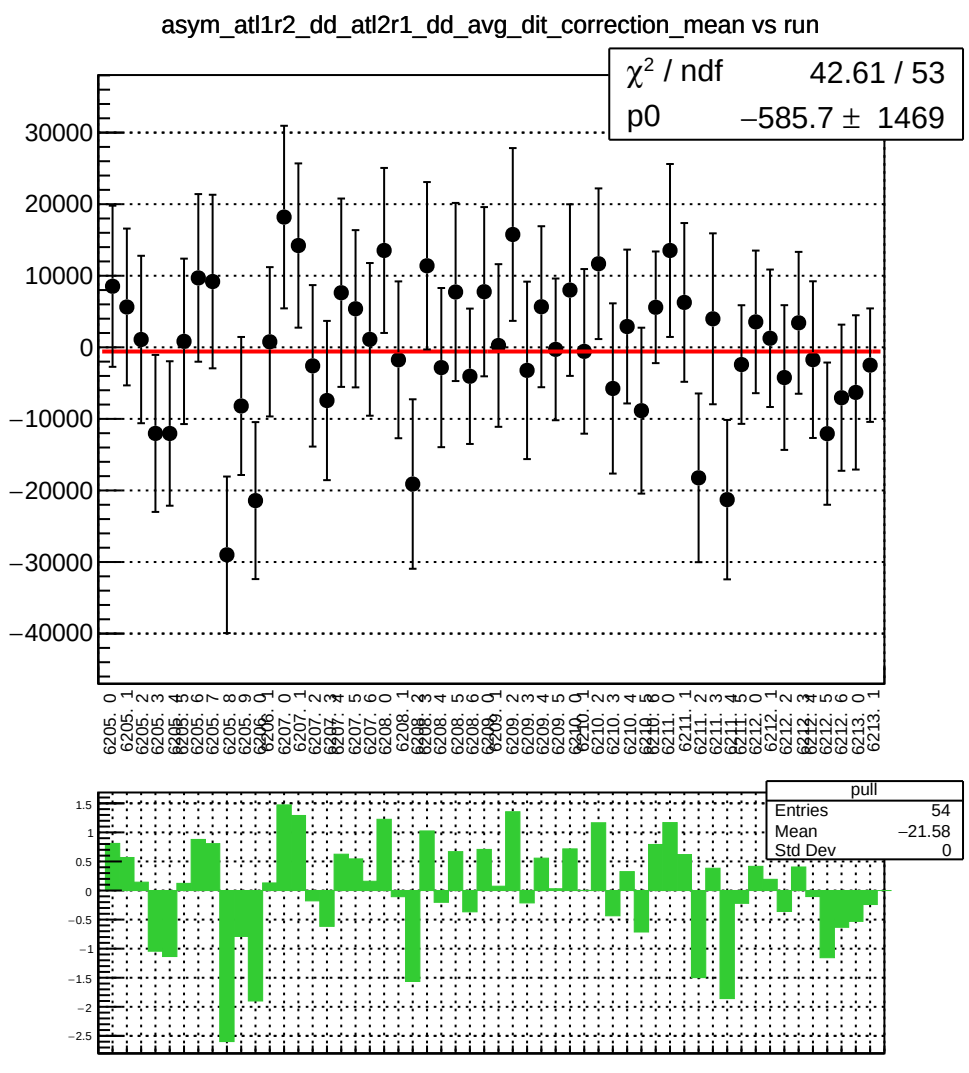
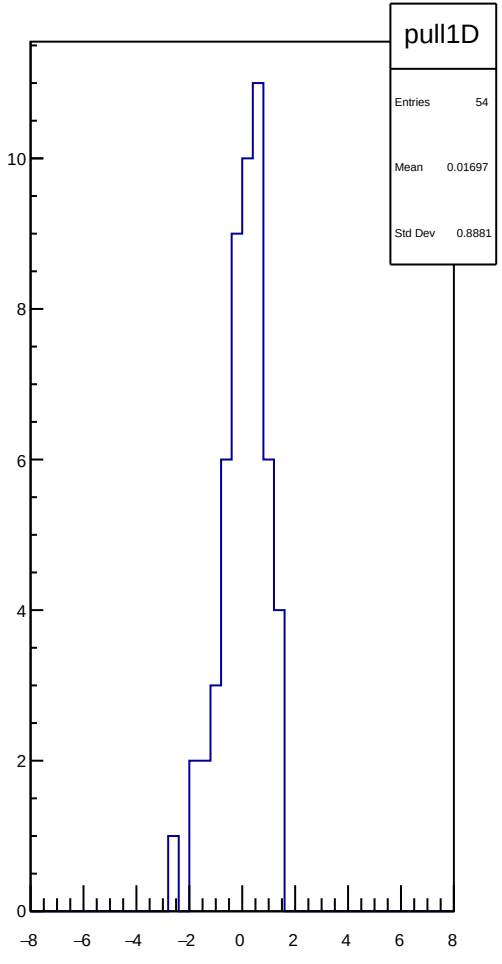
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

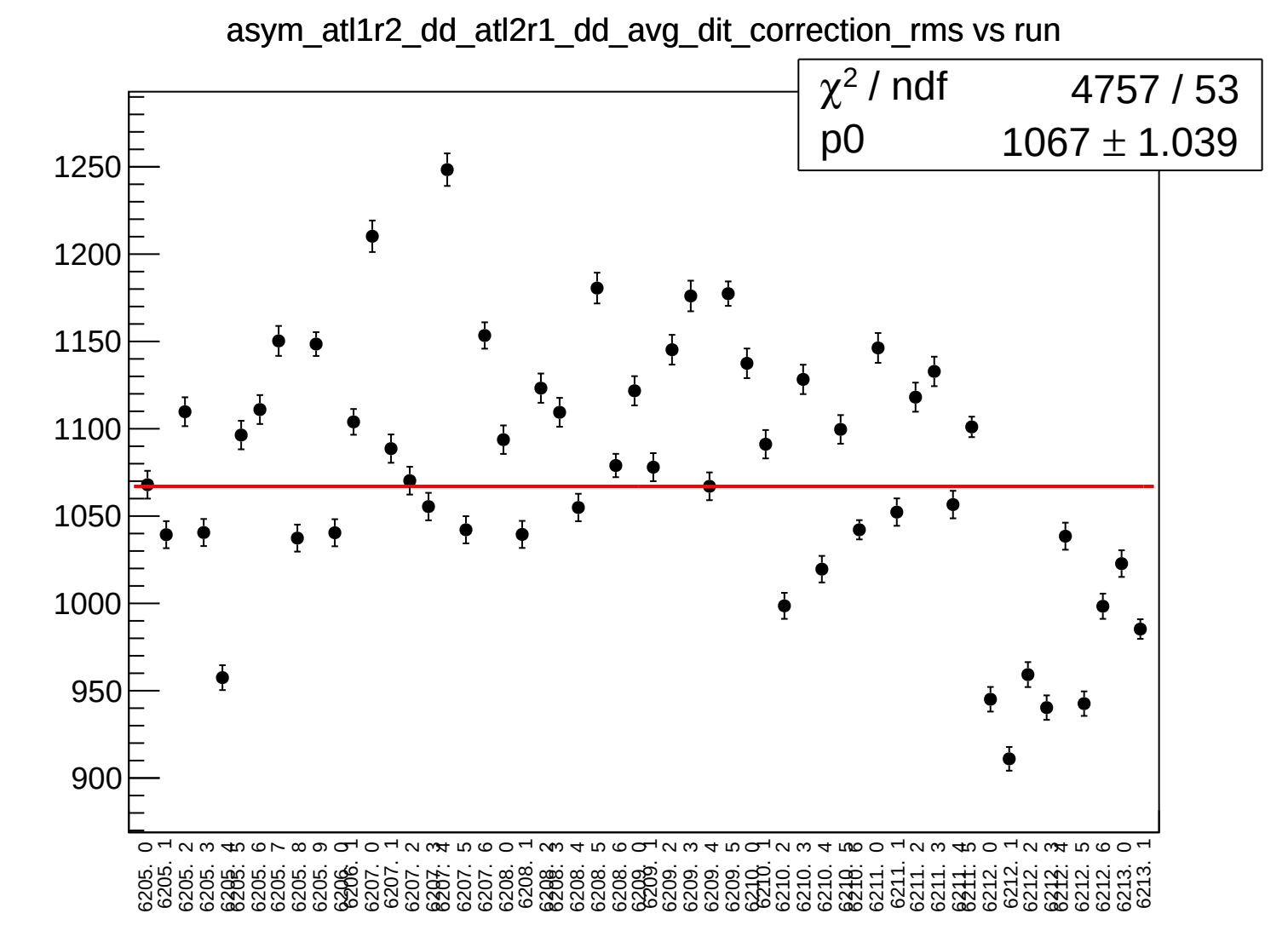

dit_asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 44.15 / 53
p0 907.8 ± 1717
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −64.67
Std Dev 0
2
1
0
−1
−2

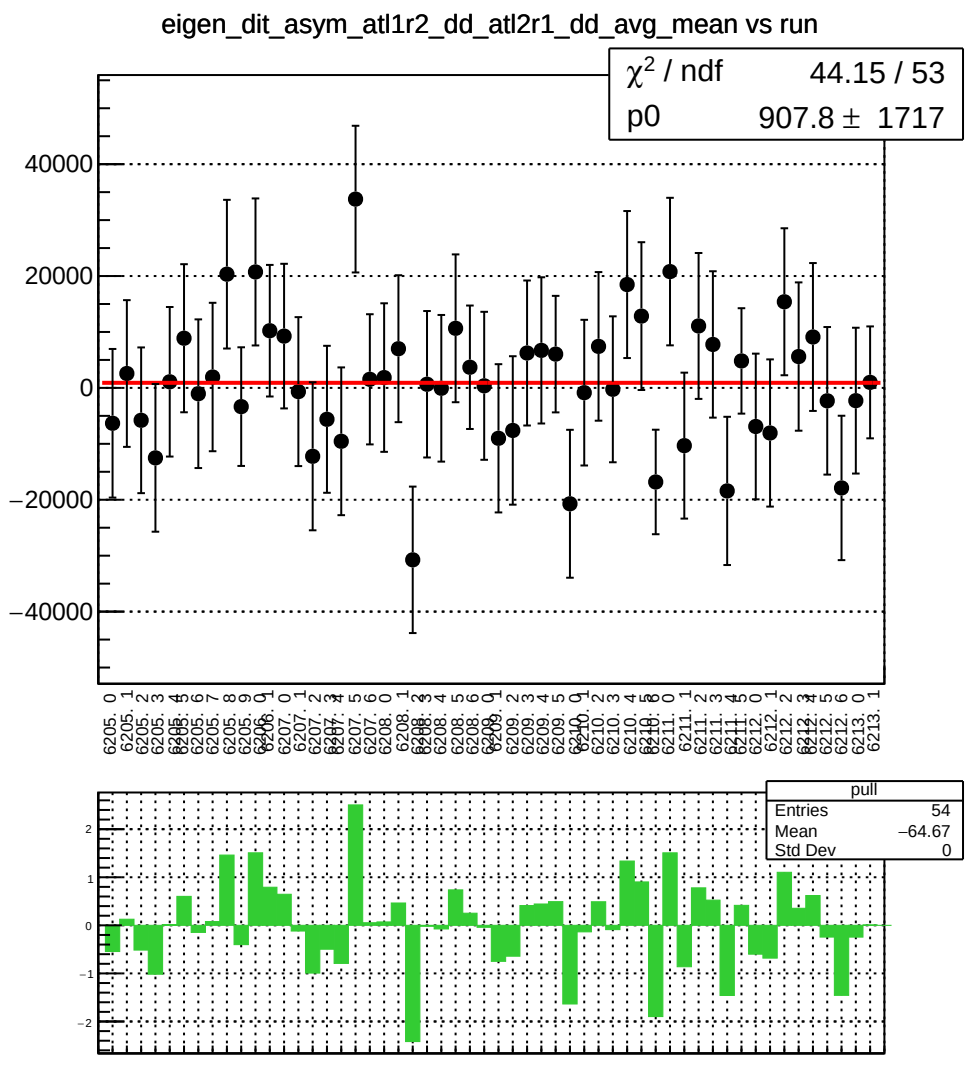

pull1D
Entries 54
Mean 0.008057
Std Dev 0.9042
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

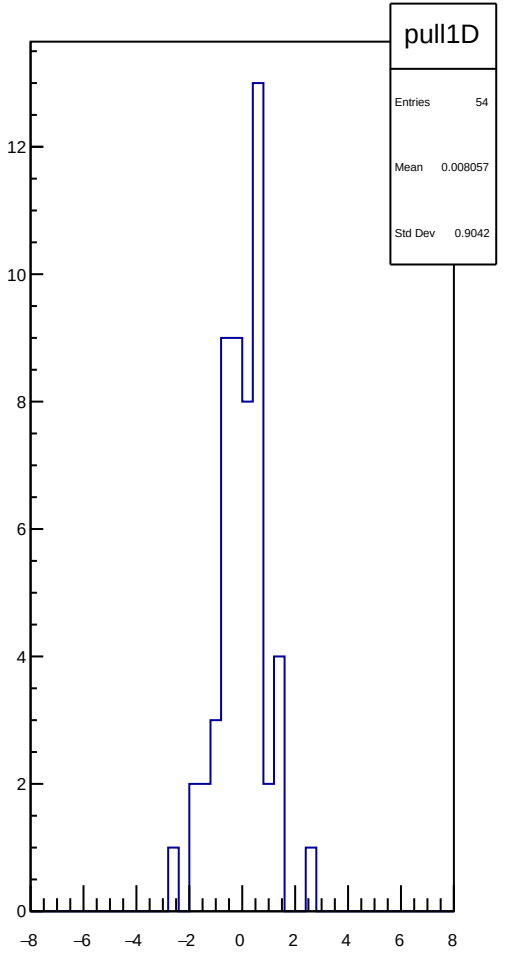

dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ² / ndf 60.15 / 53
p0 1250 ± 1.214
1280
1270
1260
1250
1240
1230
1220

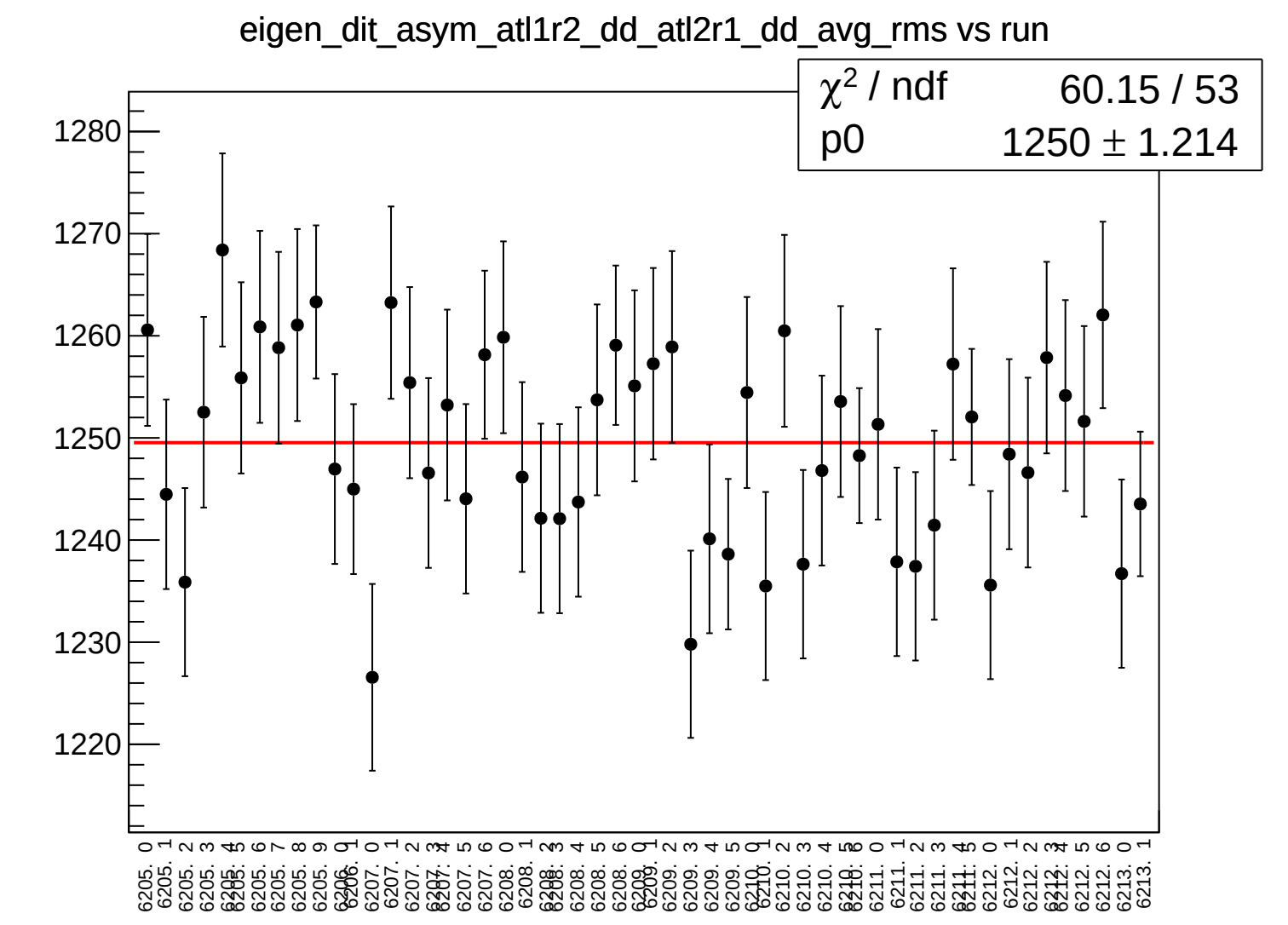

asym_atl1r2_dd_atl2r1_dd_avg_dit_correction_mean vs run
χ² / ndf 42.61 / 53
p0 −585.7 ± 1469
pull
Entries 54
Mean −21.58
Std Dev 0

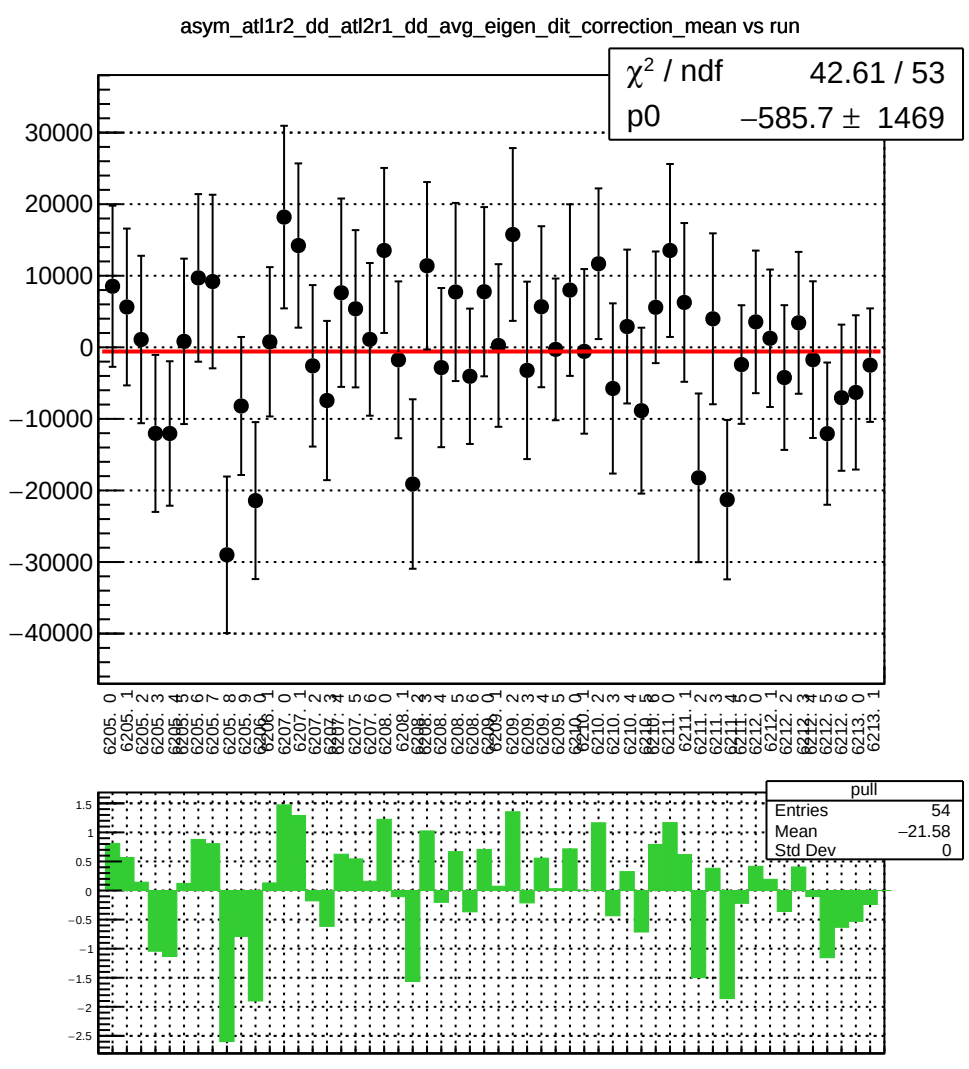

pull1D
Entries 54
Mean 0.01697
Std Dev 0.8881

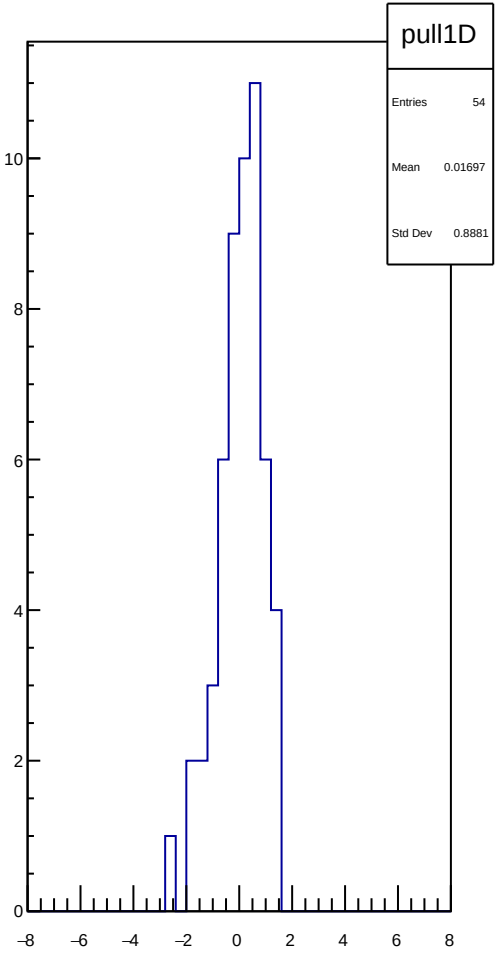

asym_atl1r2_dd_atl2r1_dd_avg_dit_correction_rms vs run
χ² / ndf 4757 / 53
p0 1067 ± 1.039
1250
1200
1150
1100
1050
1000
950
900
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

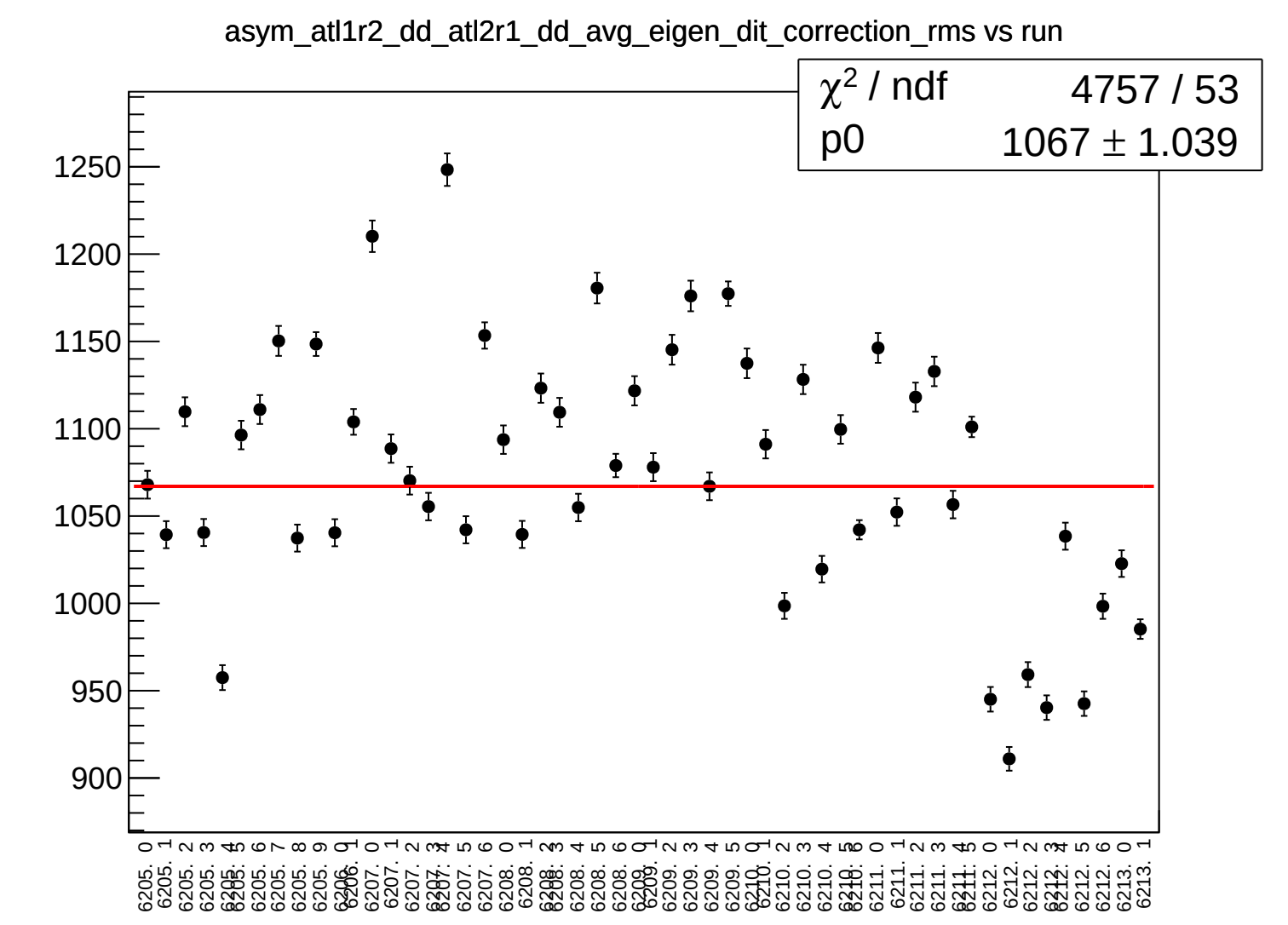

eigen_dit_asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 44.15 / 53
p0 907.8 ± 1717
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −64.67
Std Dev 0
2
1
0
−1
−2

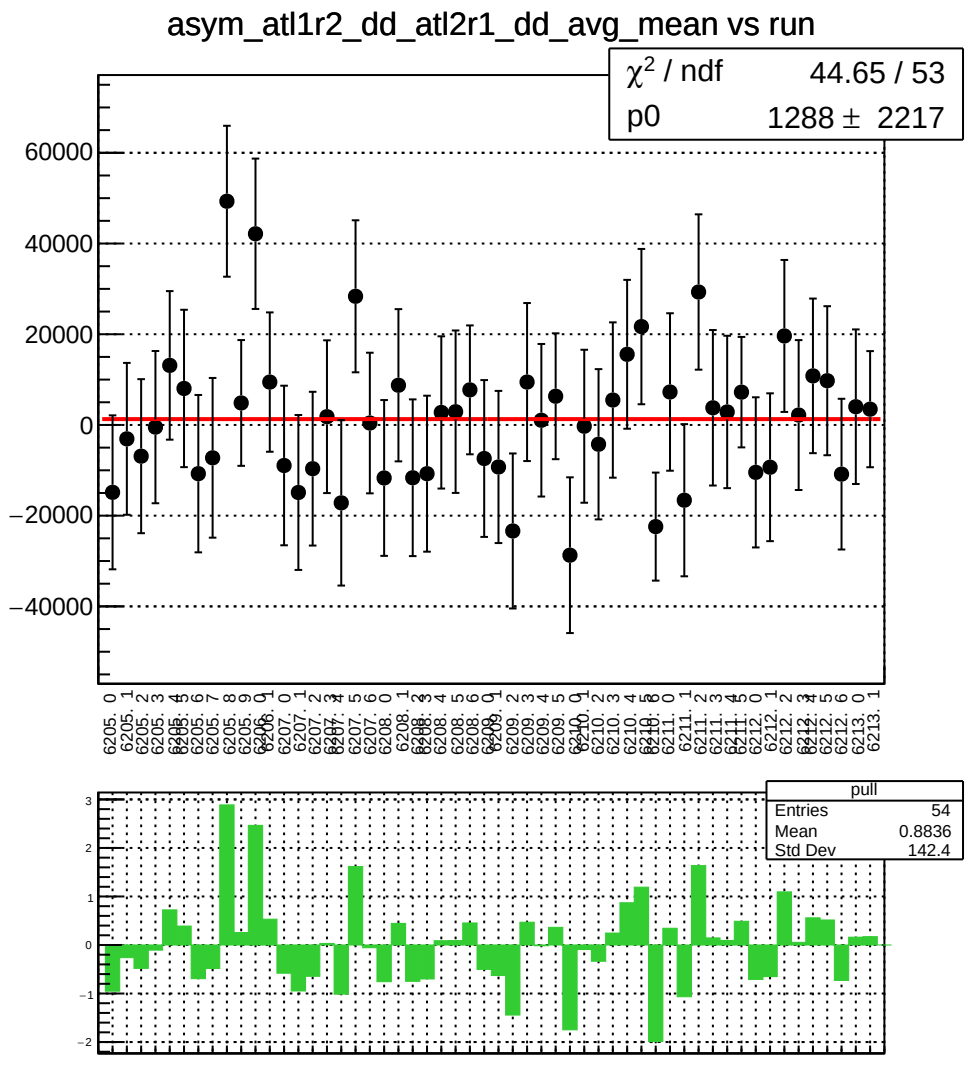

pull1D
Entries 54
Mean 0.008057
Std Dev 0.9042
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

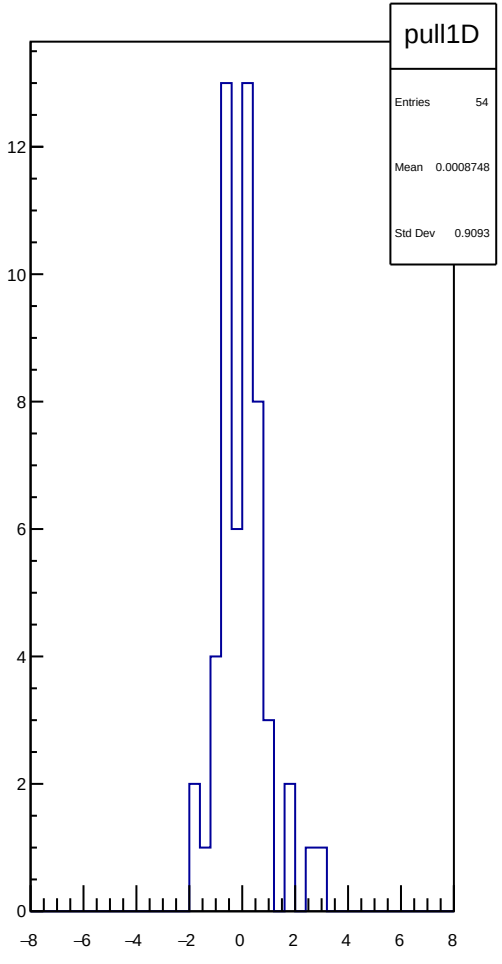

eigen_dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ² / ndf 60.15 / 53
p0 1250 ± 1.214
1280
1270
1260
1250
1240
1230
1220
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

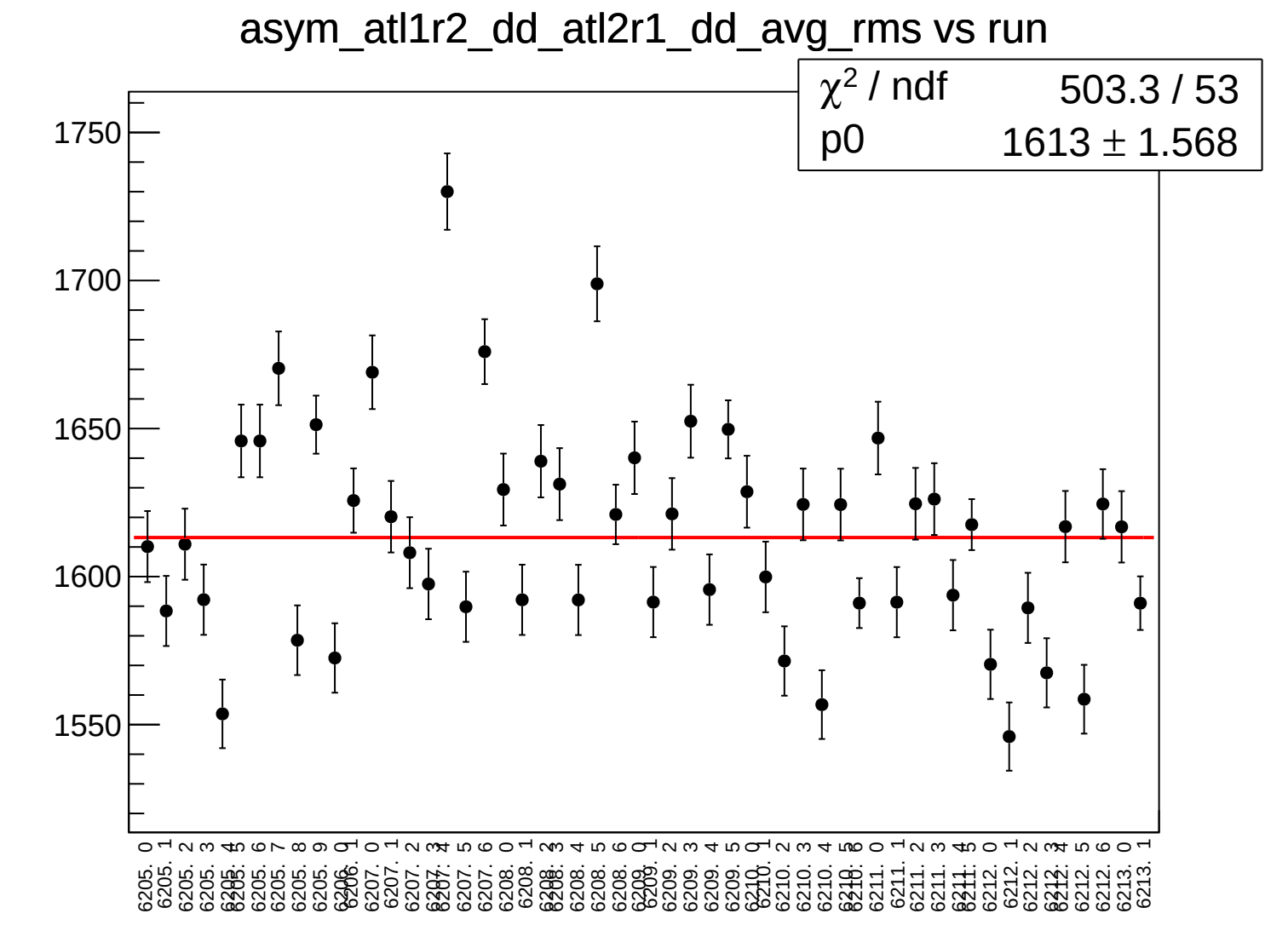

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_mean vs run
χ² / ndf 42.61 / 53
p0 −585.7 ± 1469
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 54
Mean −21.58
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 54
Mean 0.01697
Std Dev 0.8881
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 4757 / 53
p0 1067 ± 1.039
1250
1200
1150
1100
1050
1000
950
900
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 44.65 / 53
p0 1288 ± 2217
60000
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 0.8836
Std Dev 142.4
3
2
1
0
−1
−2


pull1D
Entries 54
Mean 0.0008748
Std Dev 0.9093
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ² / ndf 503.3 / 53
p0 1613 ± 1.568
1750
1700
1650
1600
1550
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
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6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
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6209. 2
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6209. 5
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6210. 2
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6210. 4
6210. 5
6210. 6
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6211. 2
6211. 3
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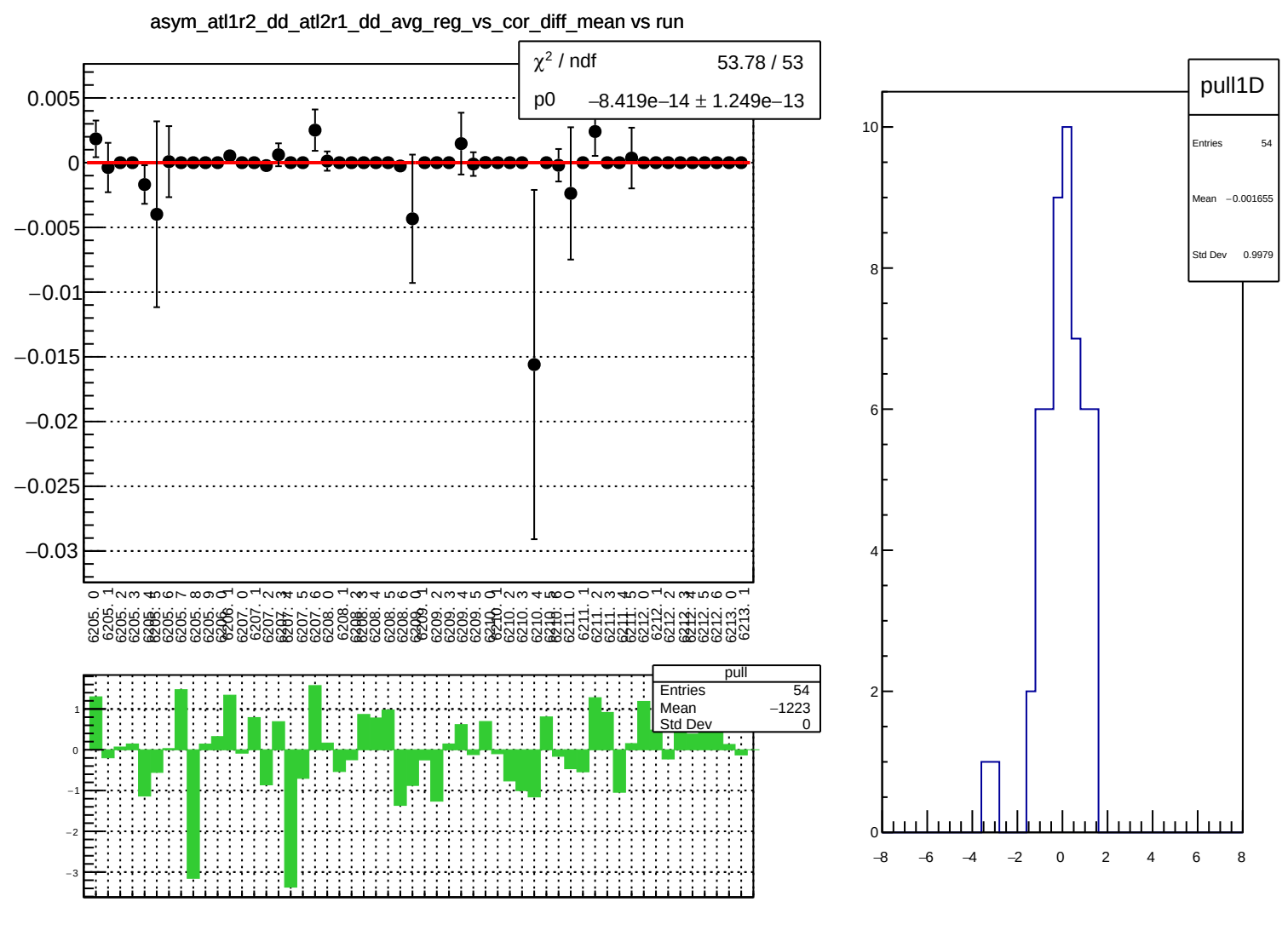
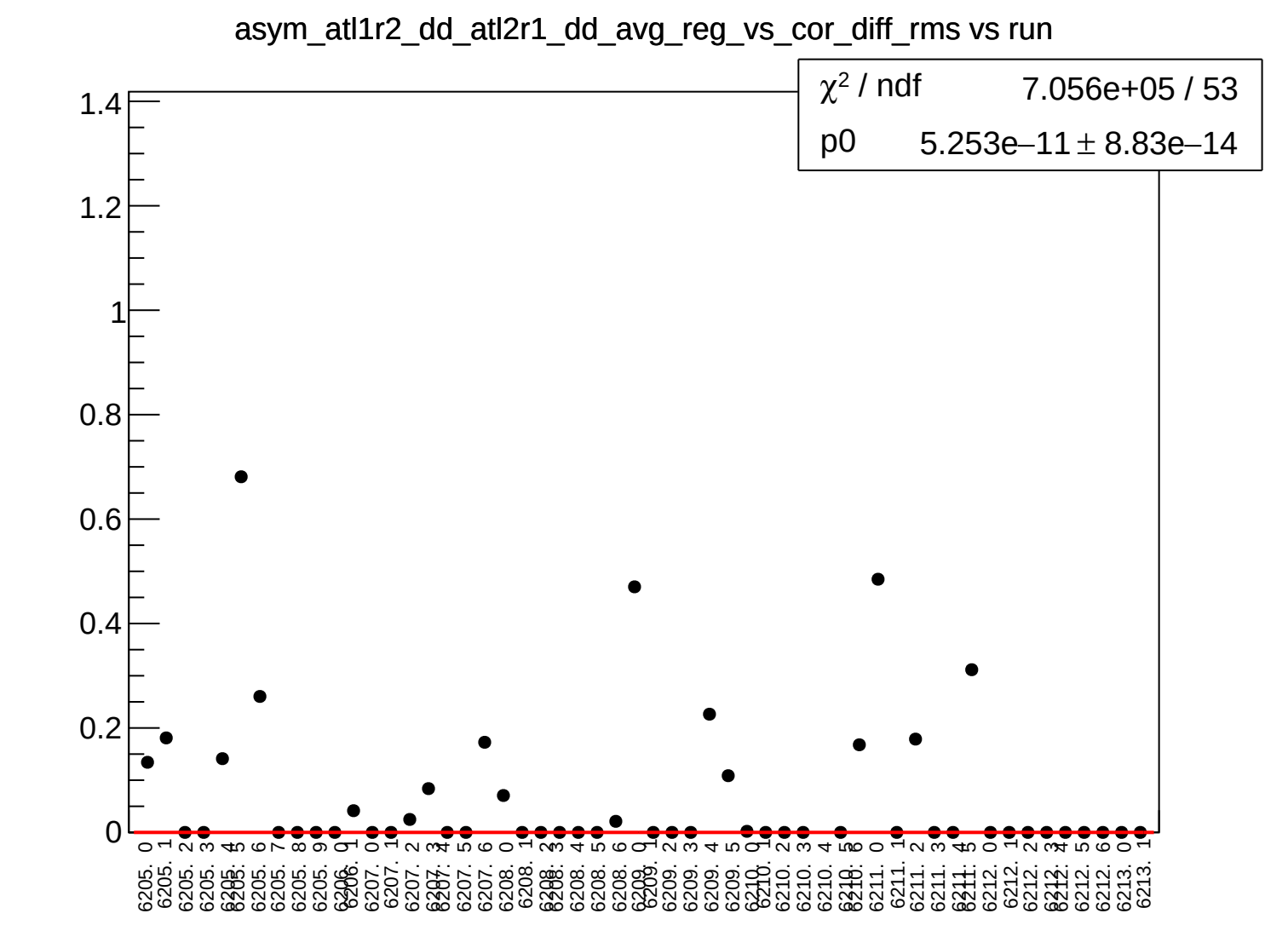
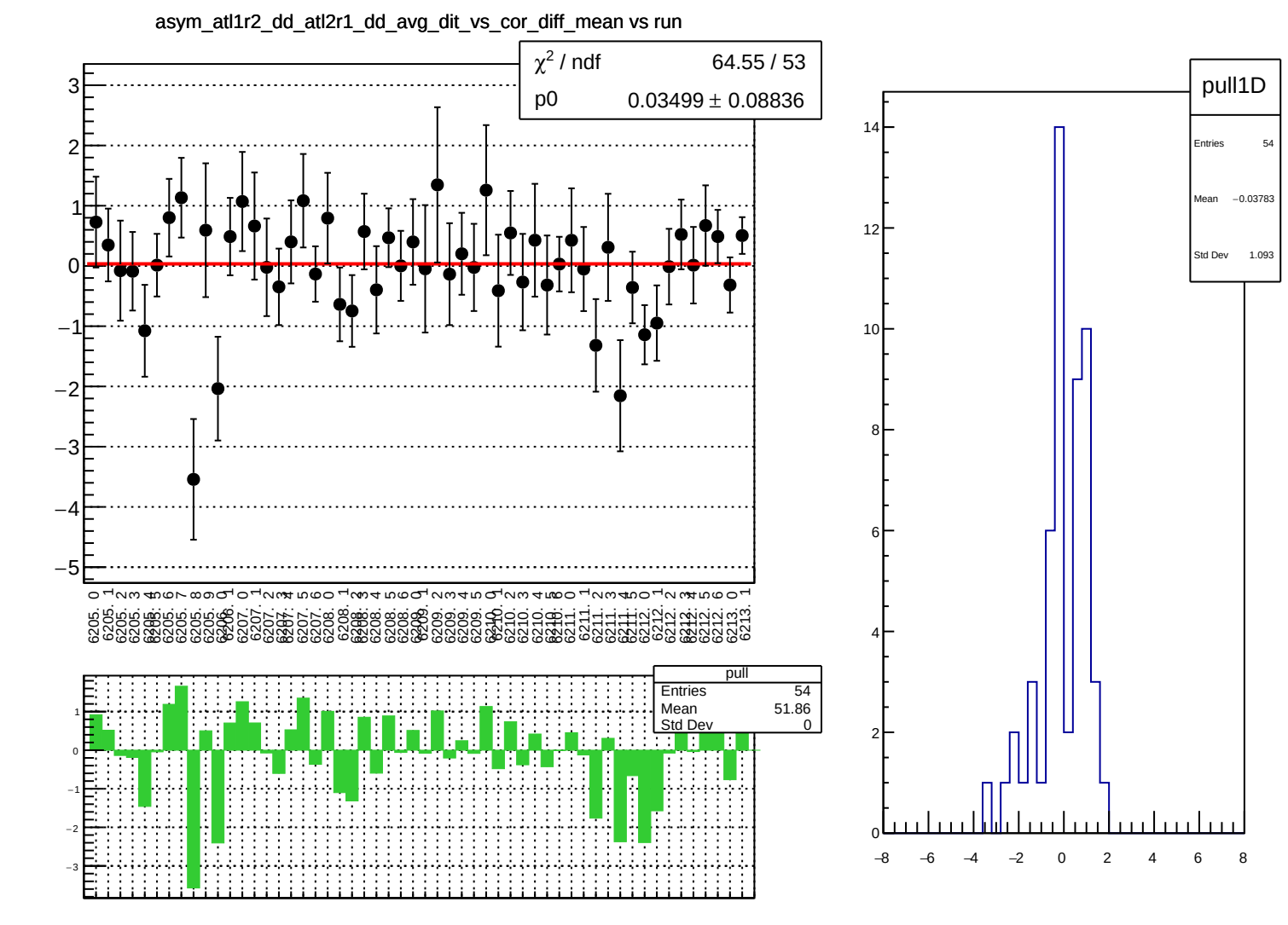
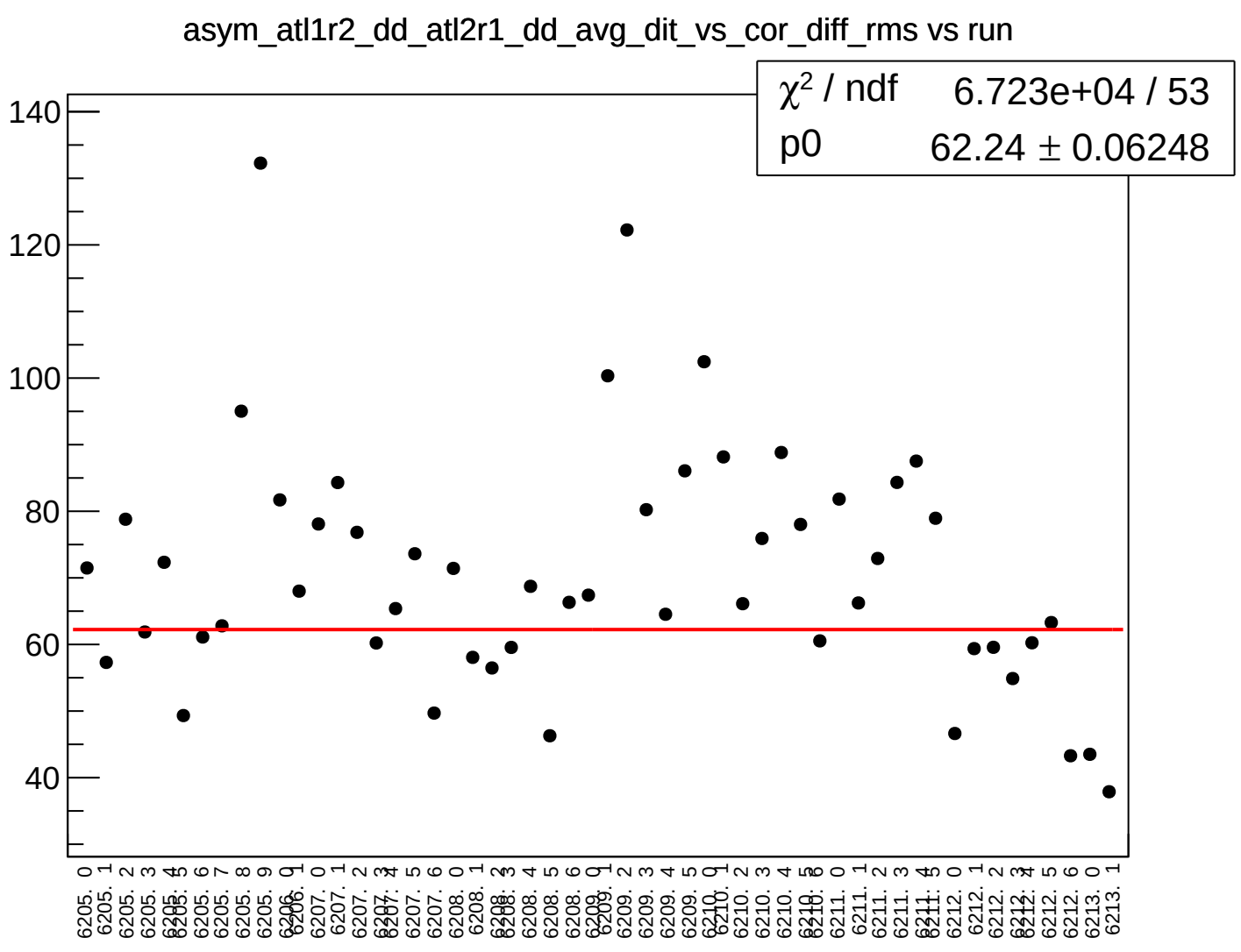
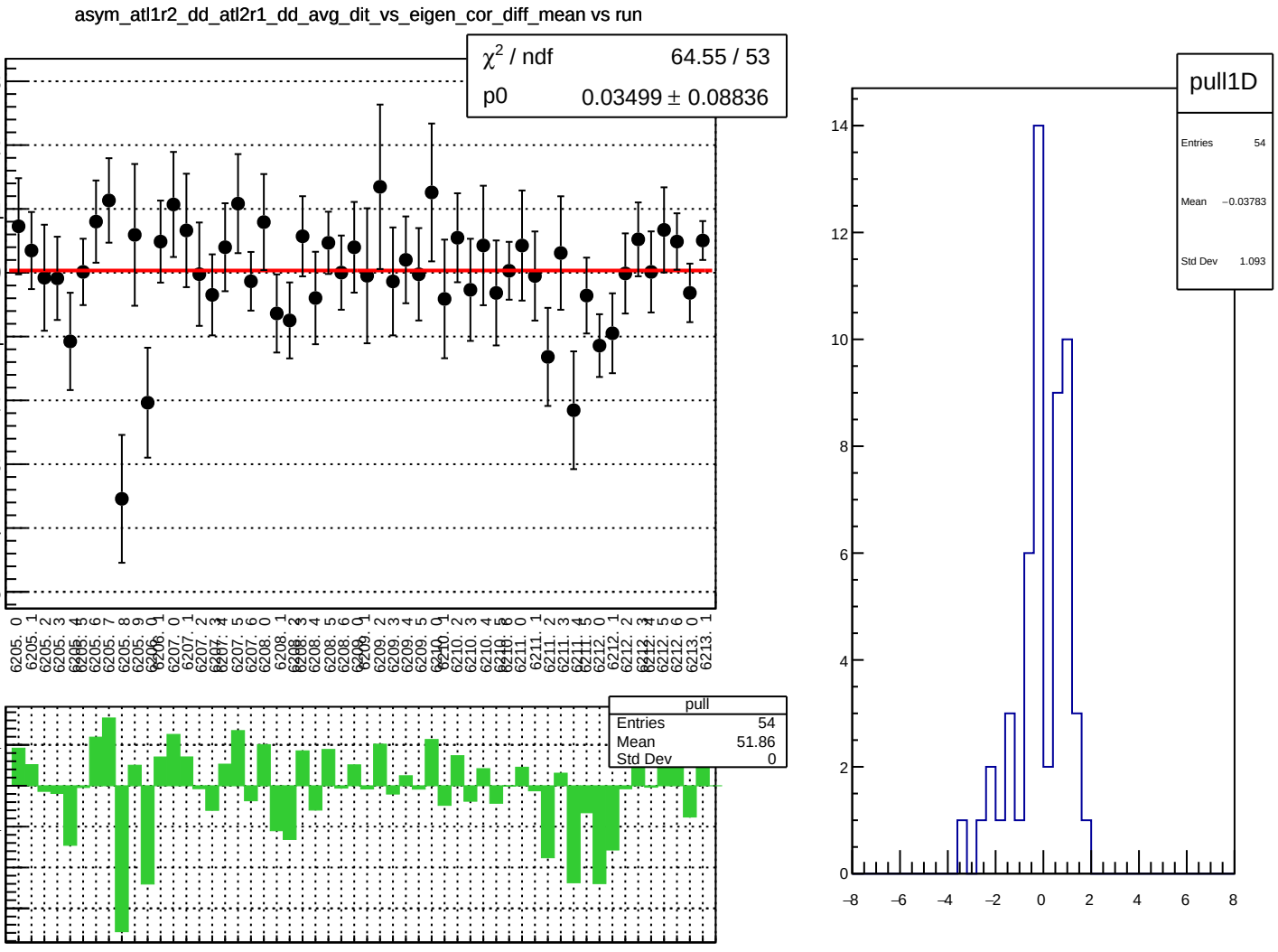
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

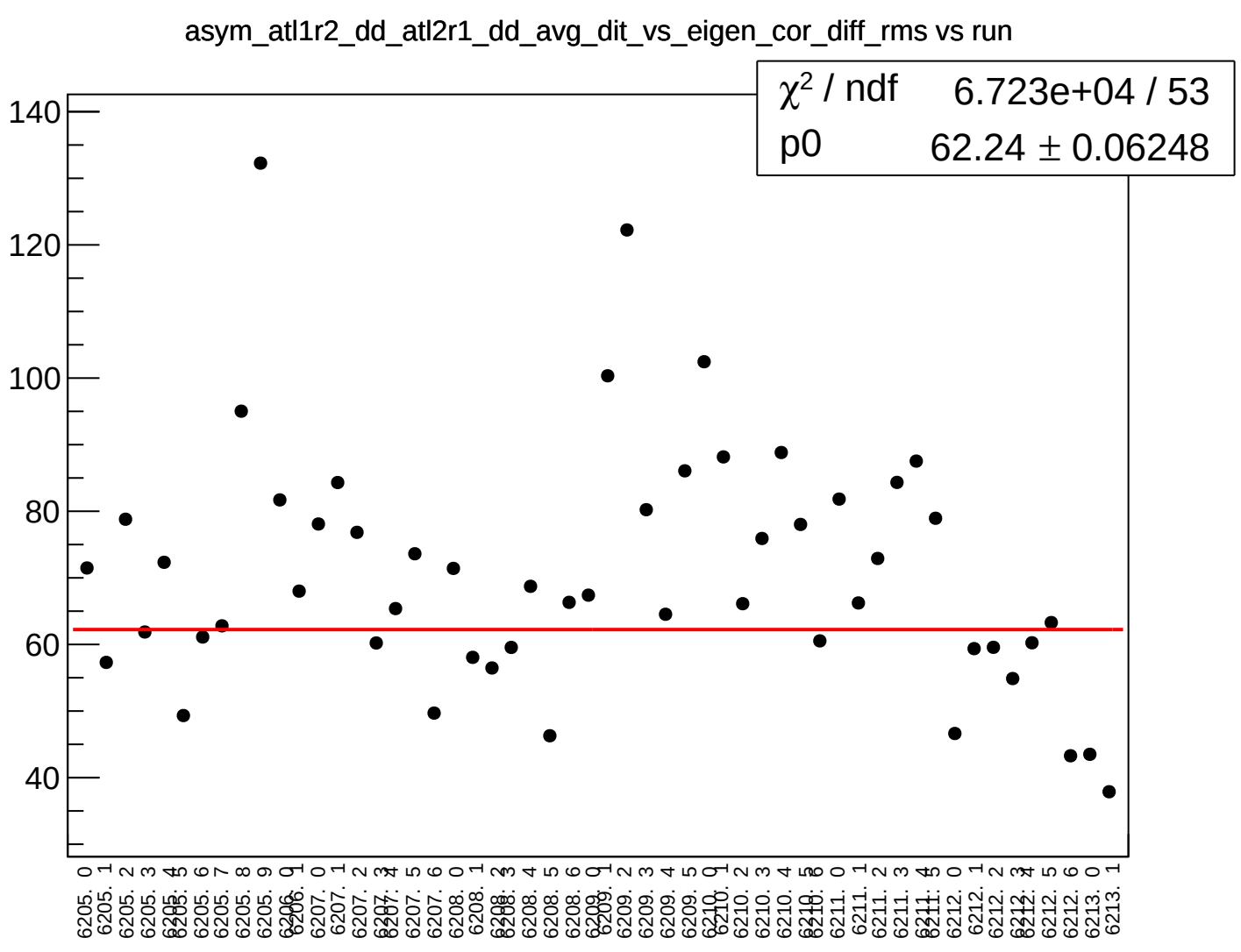

asym_atl1r2_dd_atl2r1_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 53.78 / 53
p0 −8.419e−14 ± 1.249e−13
pull
Entries 54
Mean −1223
Std Dev 0
pull1D
Entries 54
Mean −0.001655
Std Dev 0.9979

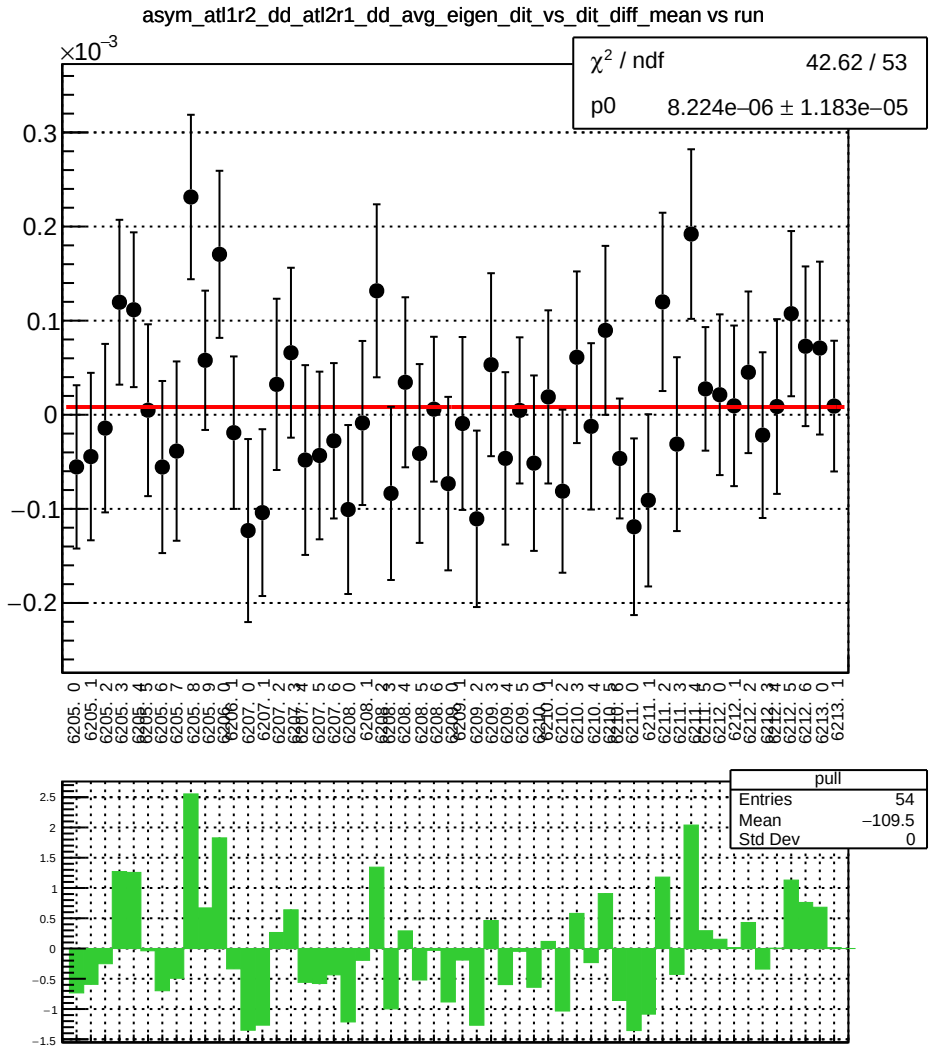

asym_atl1r2_dd_atl2r1_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 7.056e+05 / 53
p0 5.253e−11 ± 8.83e−14
1.4
1.2
1
0.8
0.6
0.4
0.2
0
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

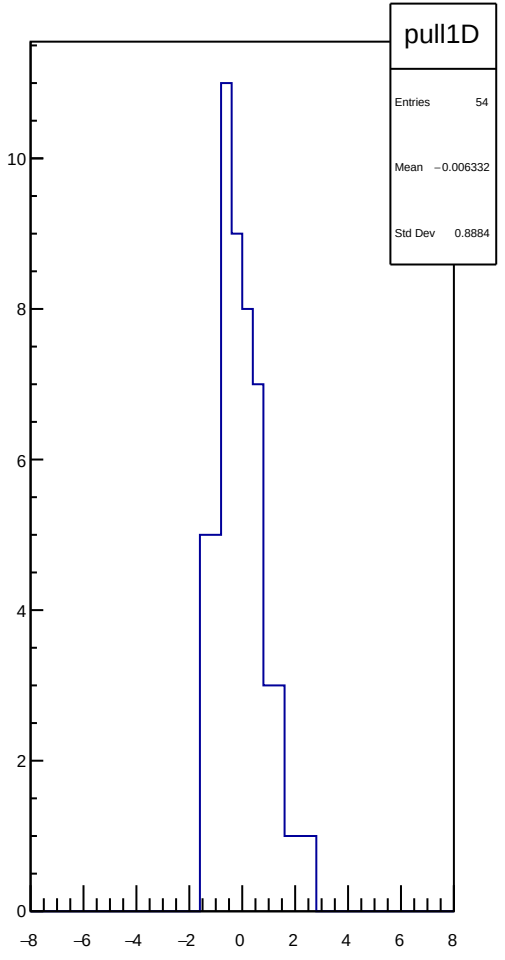

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 64.55 / 53
p0 0.03499 ± 0.08836
pull
Entries 54
Mean 51.86
Std Dev 0
pull1D
Entries 54
Mean −0.03783
Std Dev 1.093

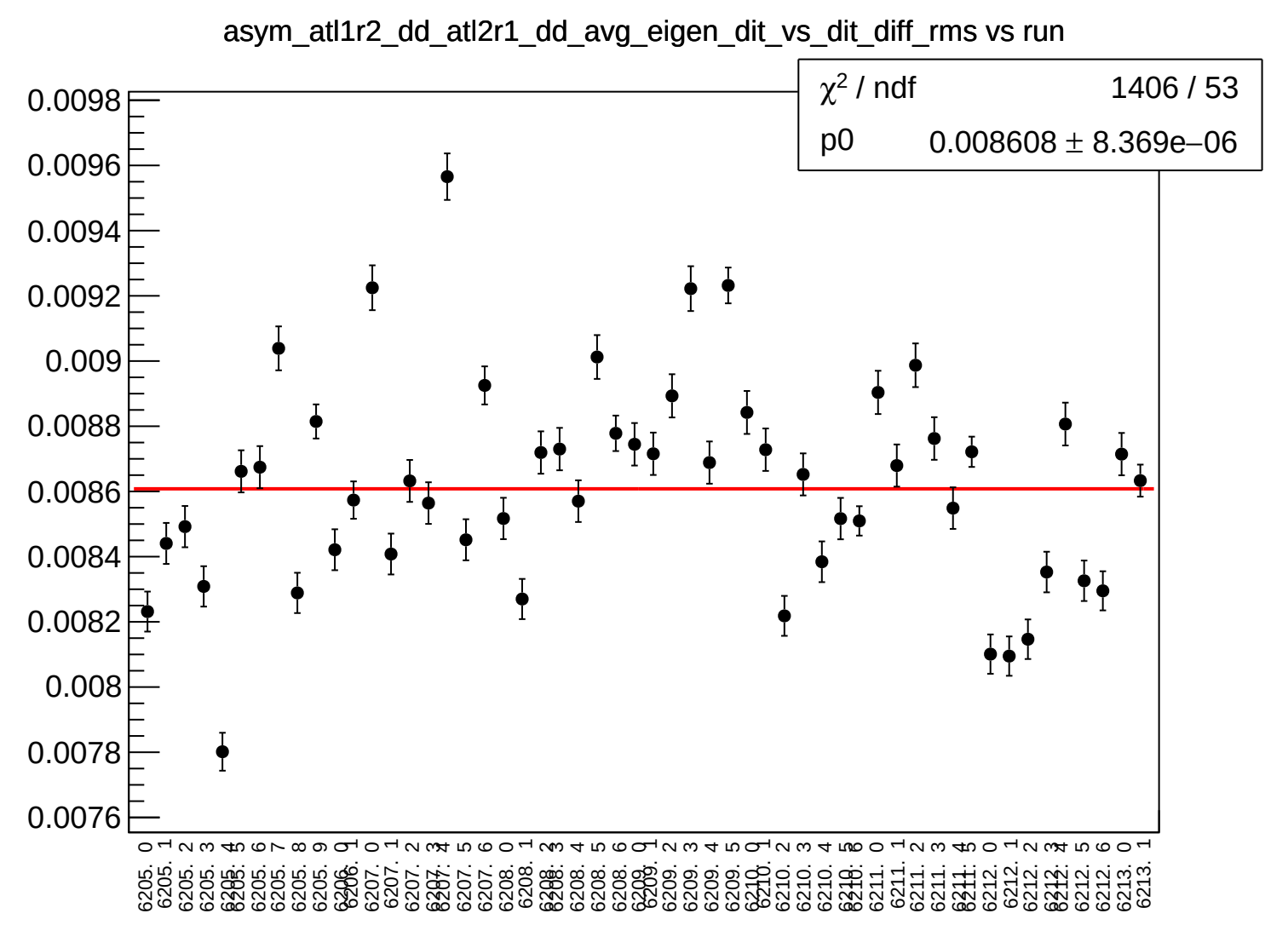

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 6.723e+04 / 53
p0 62.24 ± 0.06248
140
120
100
80
60
40

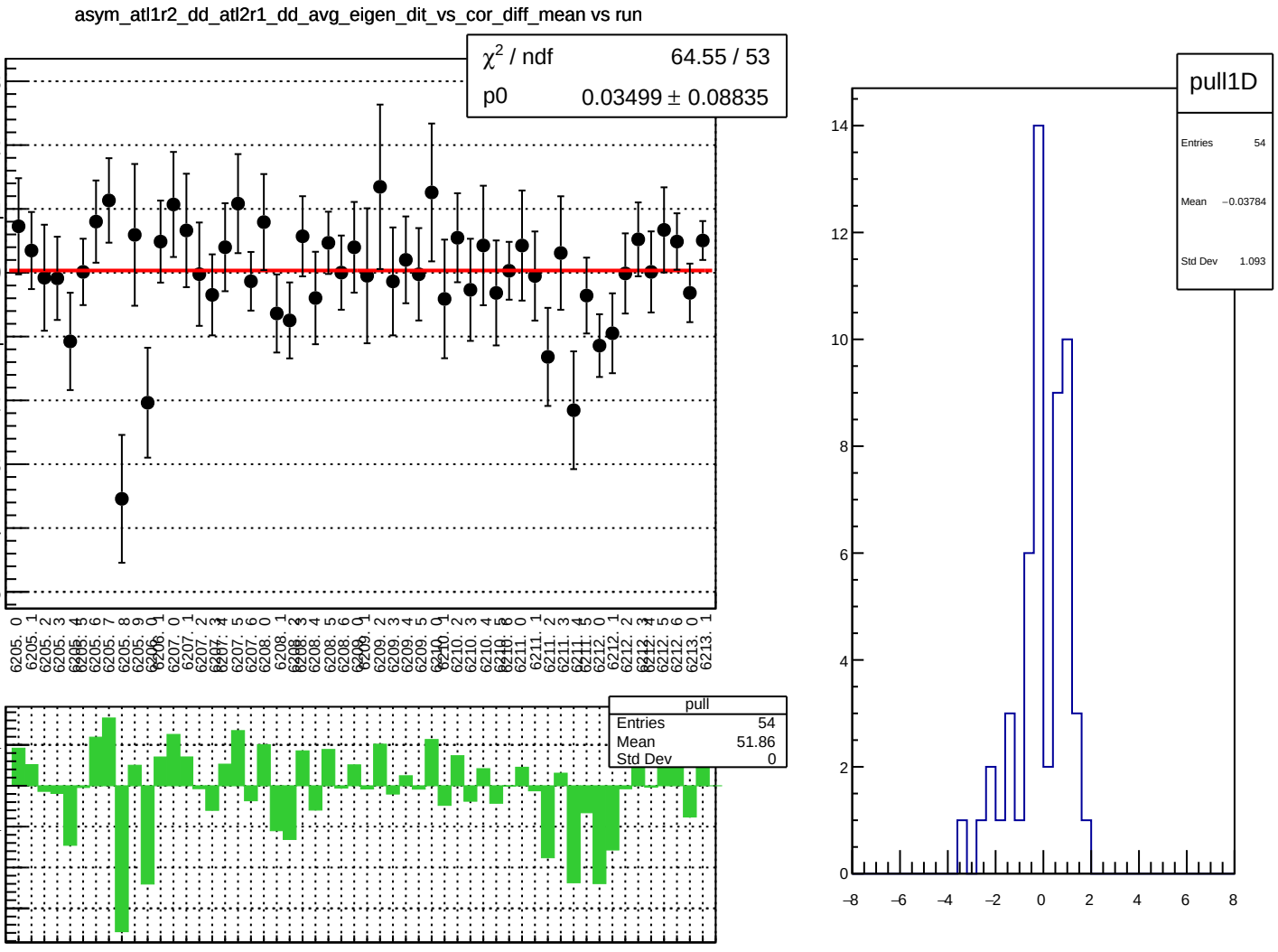

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 64.55 / 53
p0 0.03499 ± 0.08836
pull
Entries 54
Mean 51.86
Std Dev 0
pull1D
Entries 54
Mean −0.03783
Std Dev 1.093

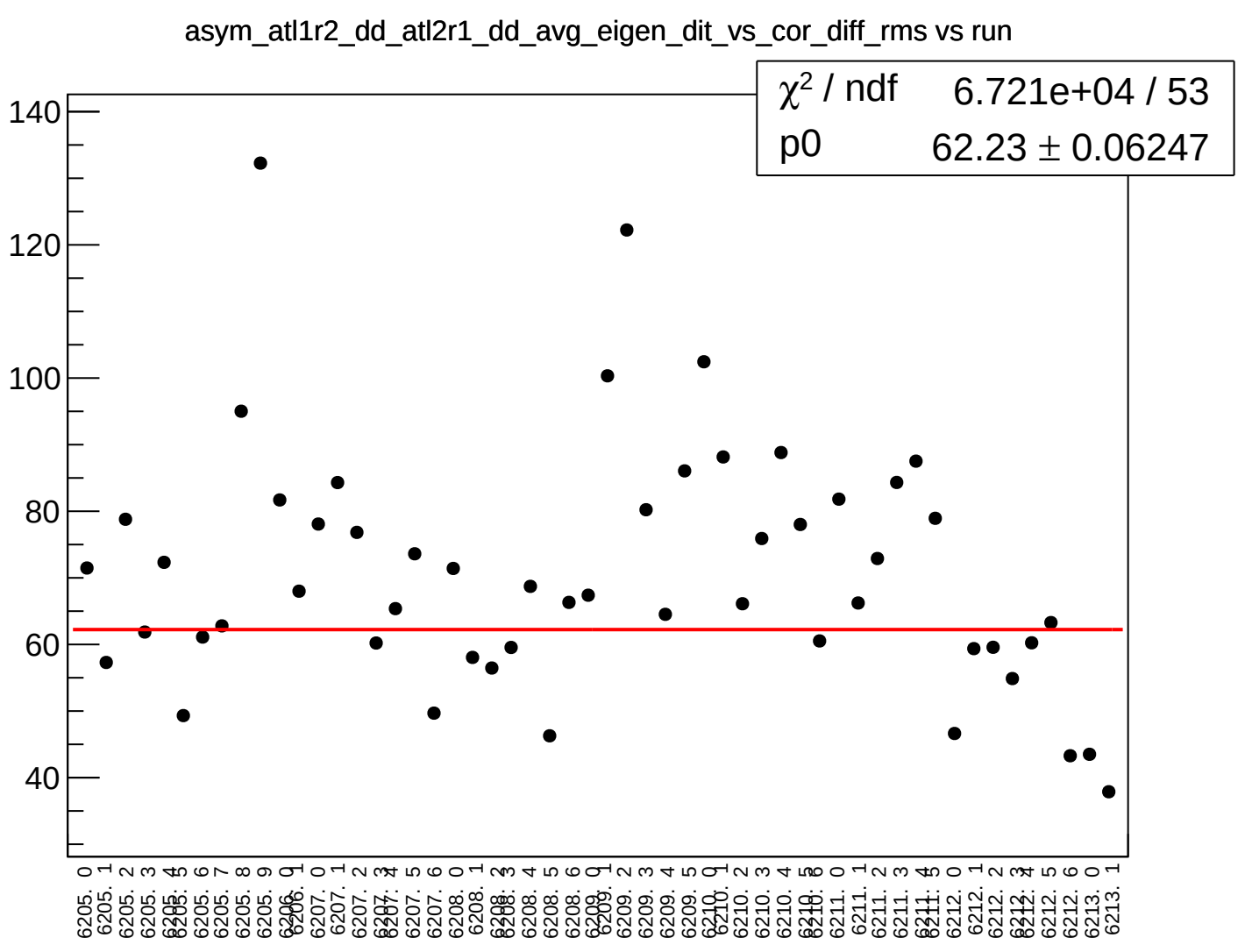

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.723e+04 / 53
p0 62.24 ± 0.06248
140
120
100
80
60
40

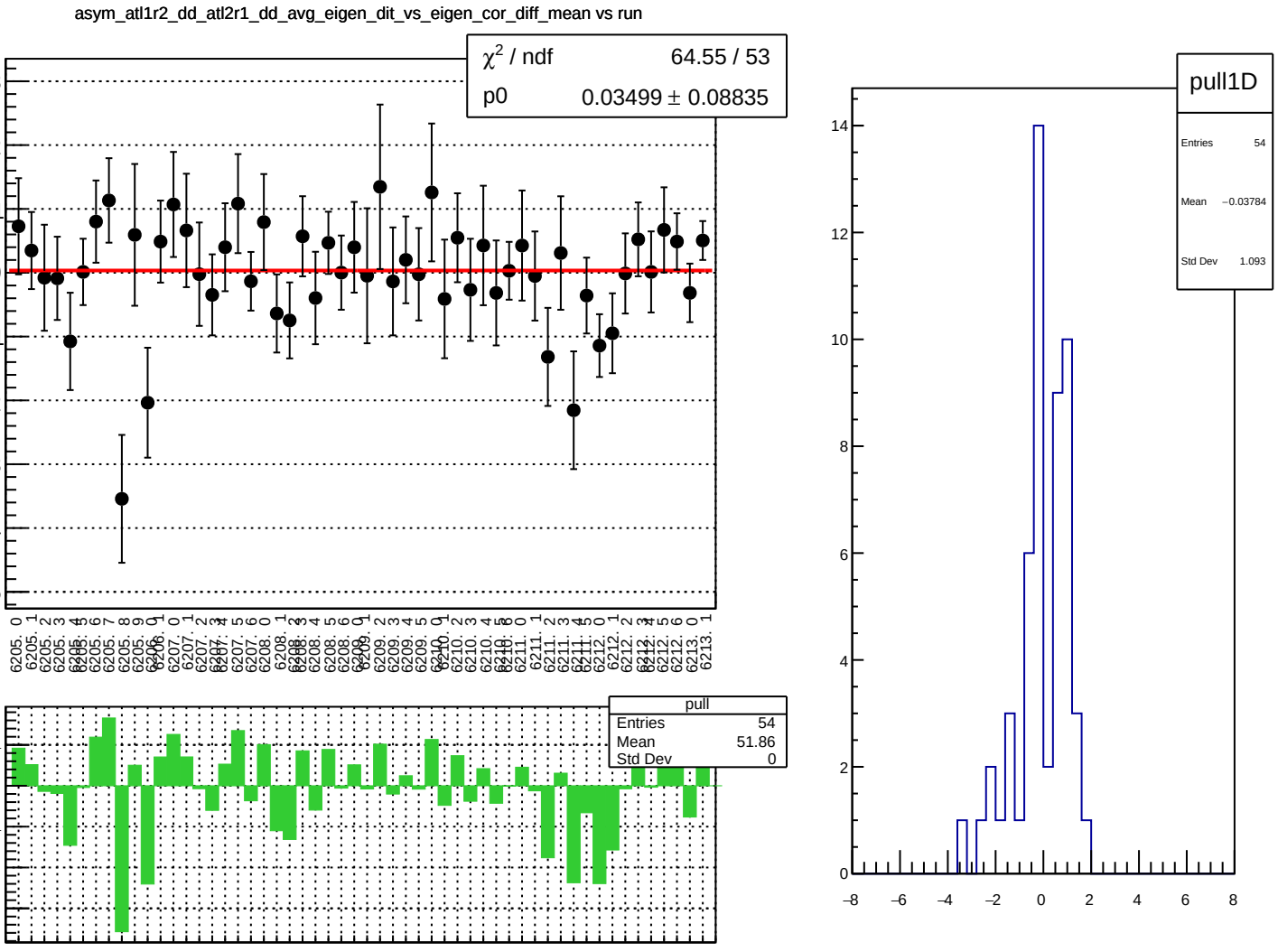

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 42.62 / 53
p0 8.224e−06 ± 1.183e−05
0.3
0.2
0.1
0
−0.1
−0.2
pull
Entries 54
Mean −109.5
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

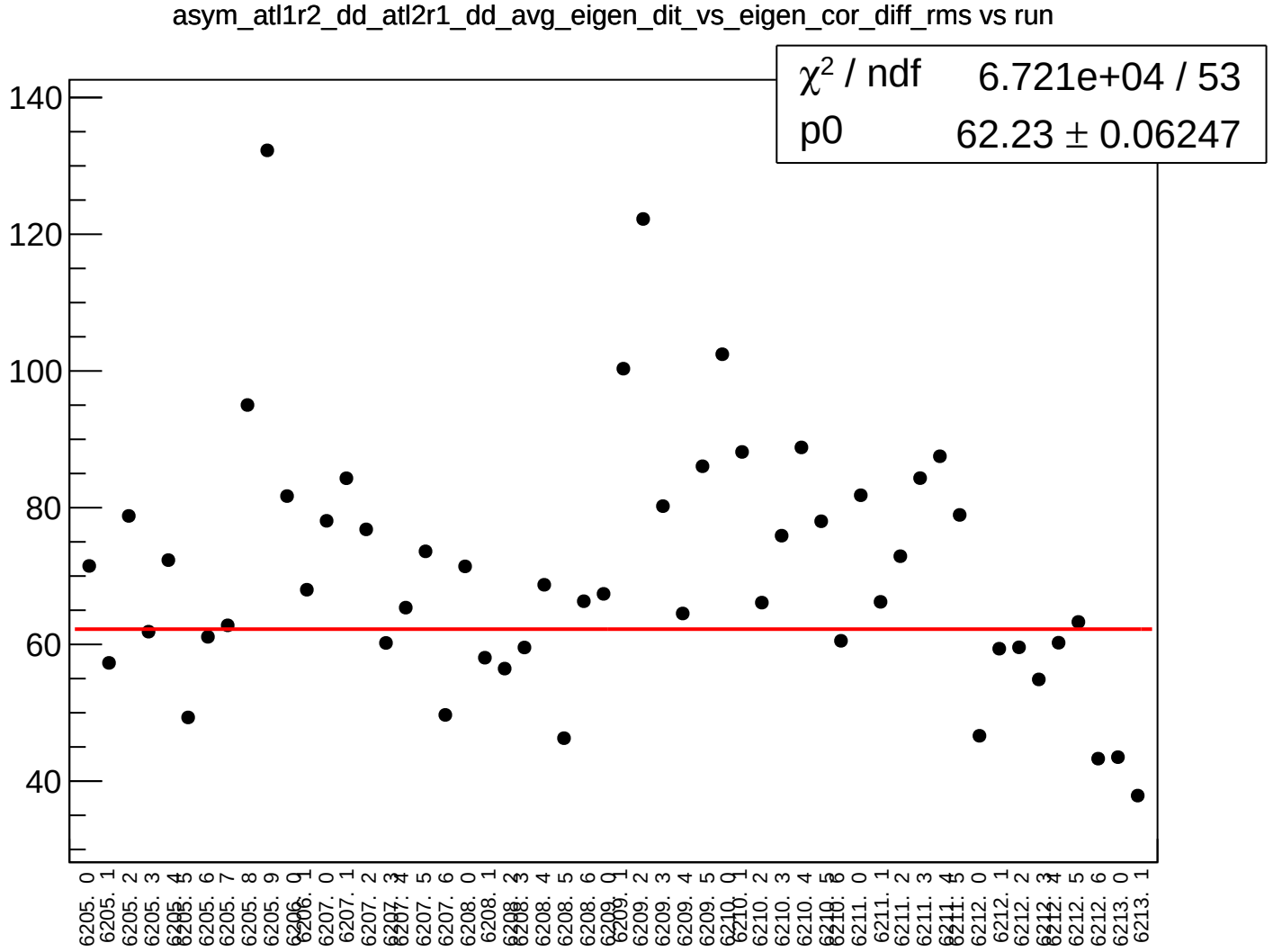

pull1D
Entries 54
Mean −0.006332
Std Dev 0.8884
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

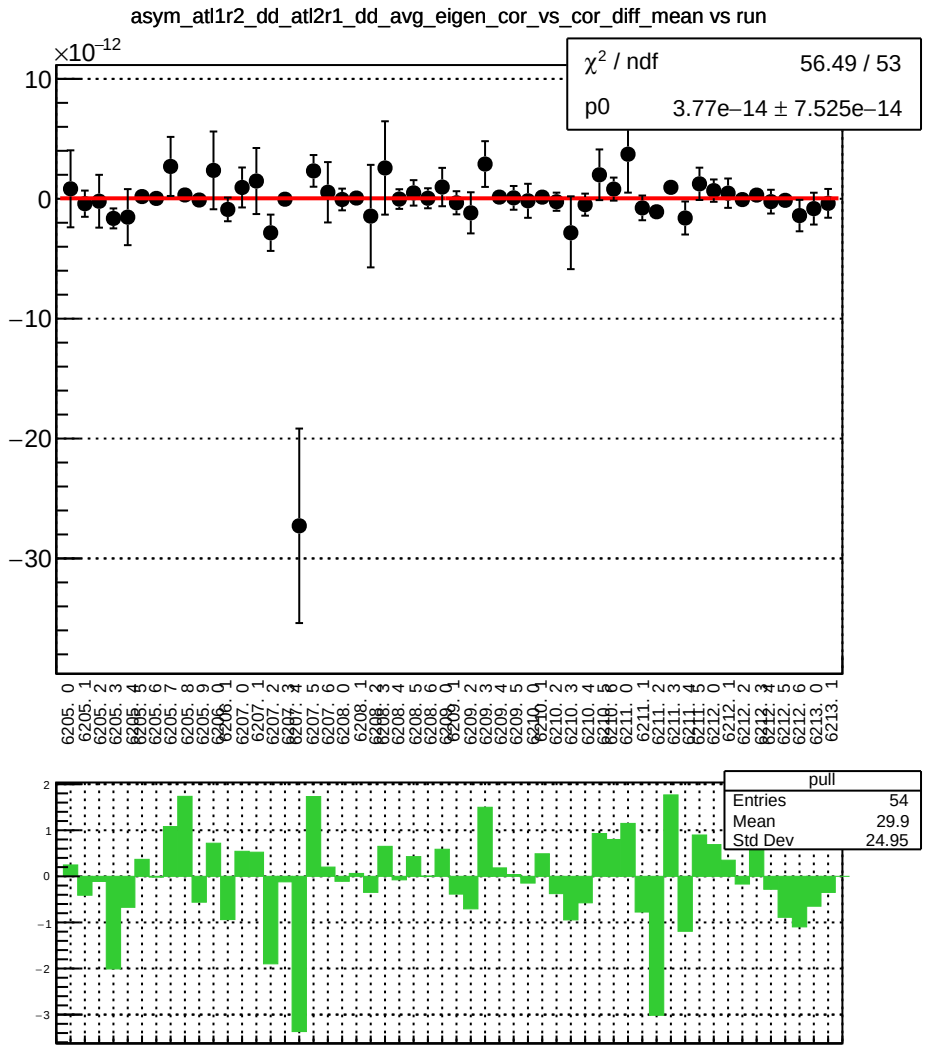

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1406 / 53
p0 0.008608 ± 8.369e−06
0.0098
0.0096
0.0094
0.0092
0.009
0.0088
0.0086
0.0084
0.0082
0.008
0.0078
0.0076

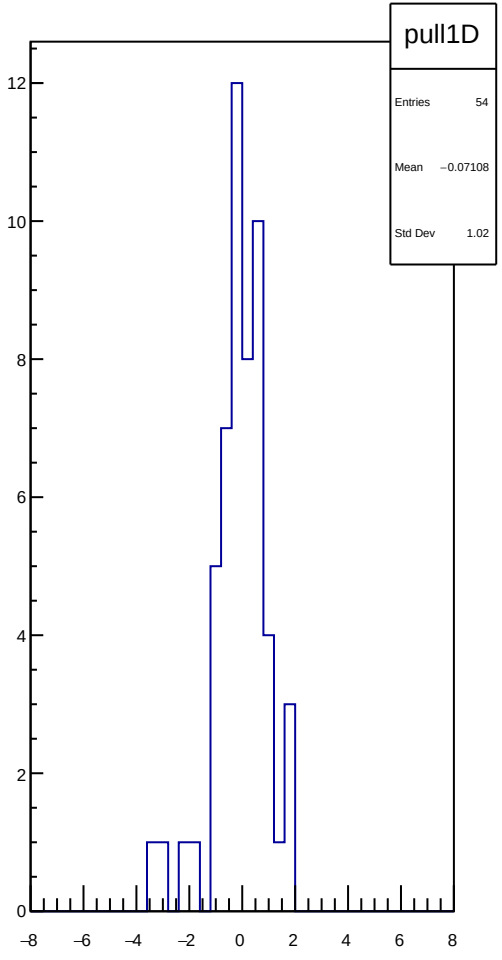

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 64.55 / 53
p0 0.03499 ± 0.08835
pull
Entries 54
Mean 51.86
Std Dev 0
pull1D
Entries 54
Mean −0.03784
Std Dev 1.093

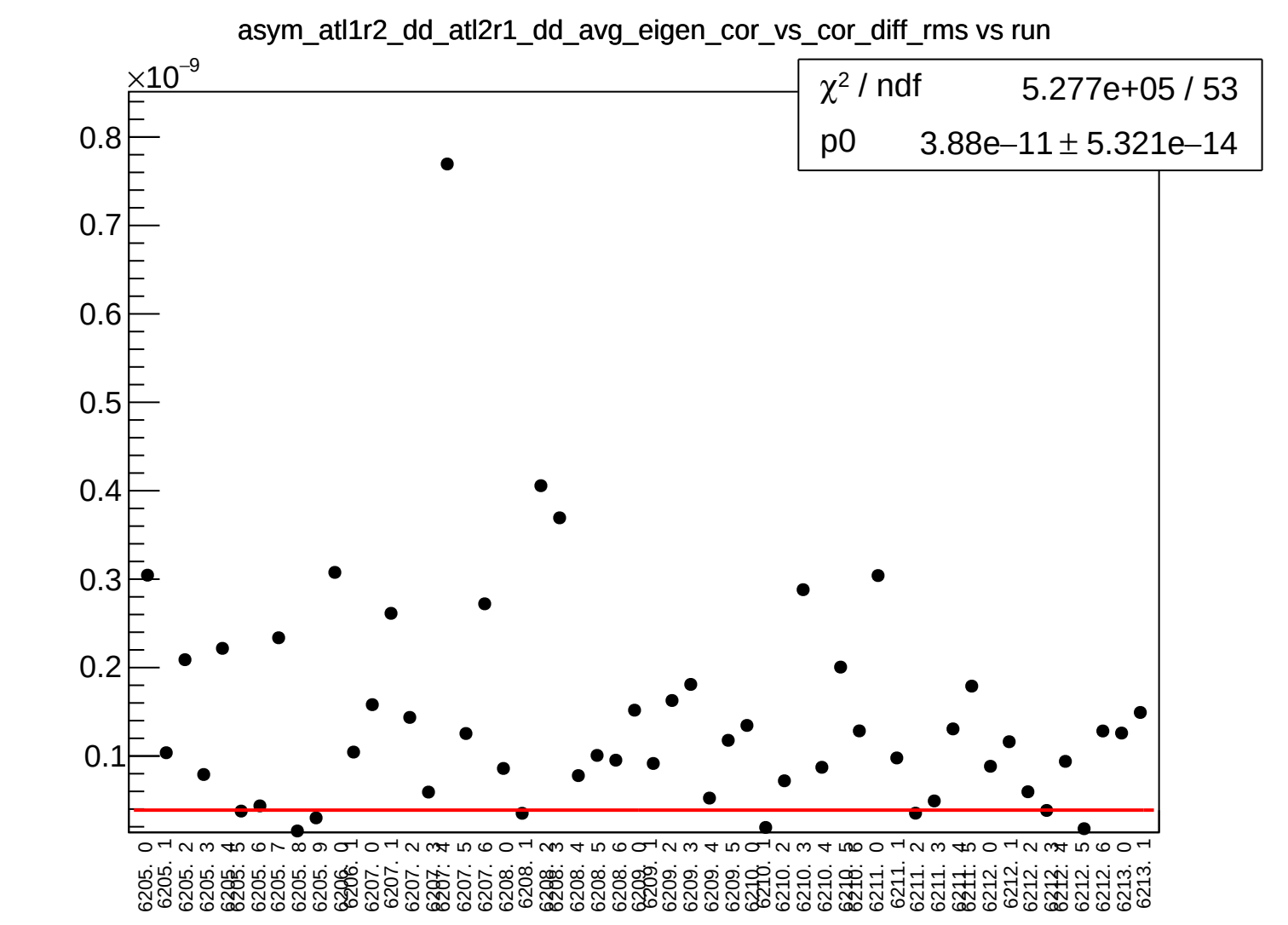

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 6.721e+04 / 53
p0 62.23 ± 0.06247
140
120
100
80
60
40
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

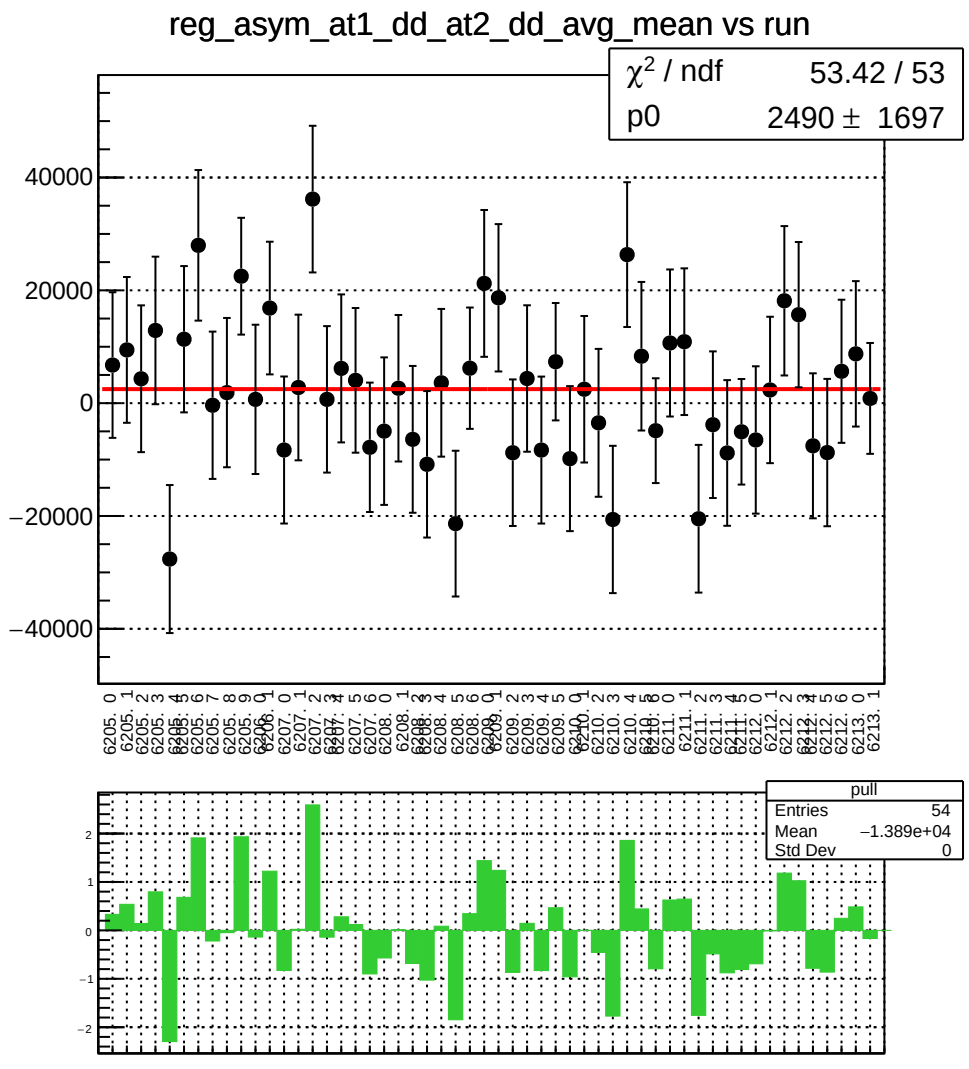

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 64.55 / 53
p0 0.03499 ± 0.08835
pull
Entries 54
Mean 51.86
Std Dev 0
pull1D
Entries 54
Mean −0.03784
Std Dev 1.093

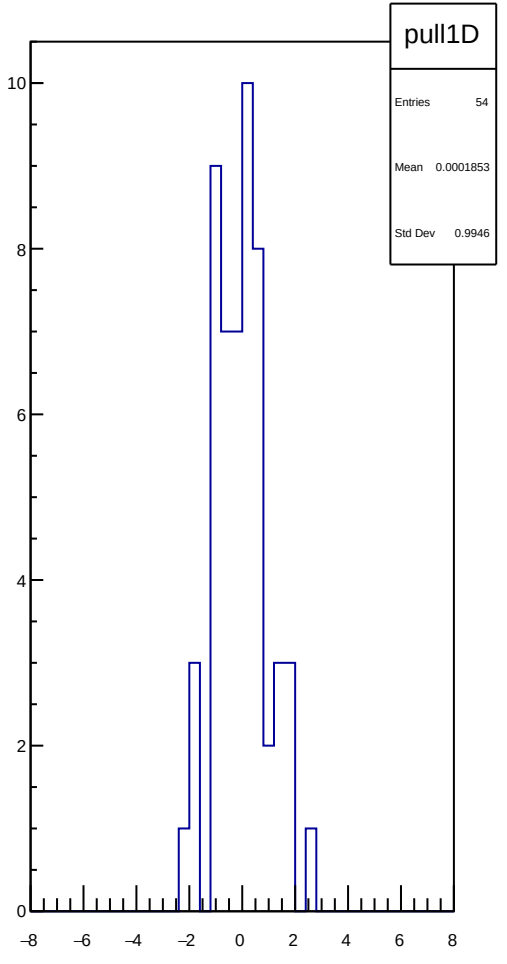

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.721e+04 / 53
p0 62.23 ± 0.06247
140
120
100
80
60
40
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

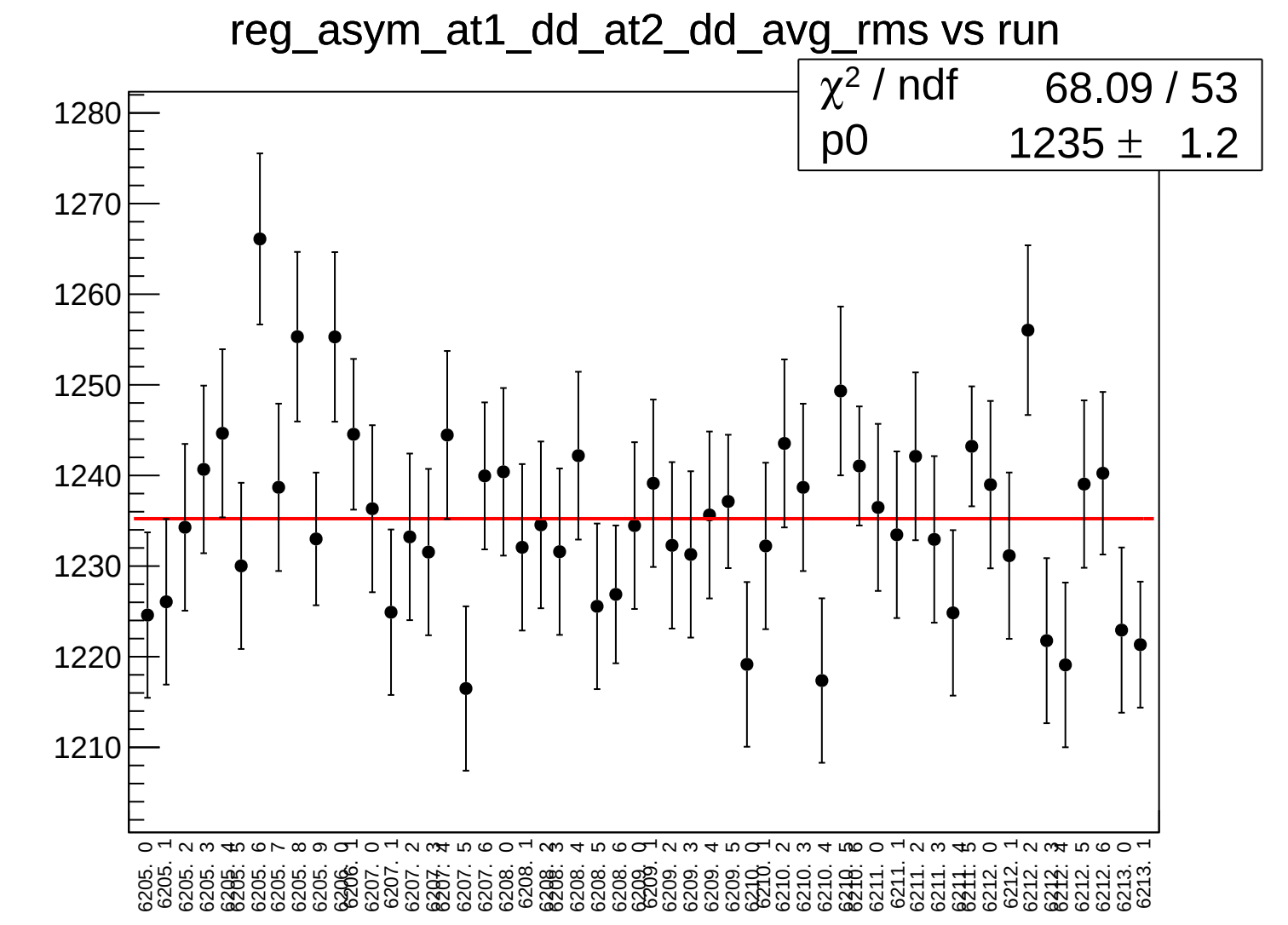

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 56.49 / 53
p0 3.77e−14 ± 7.525e−14
pull
Entries 54
Mean 29.9
Std Dev 24.95

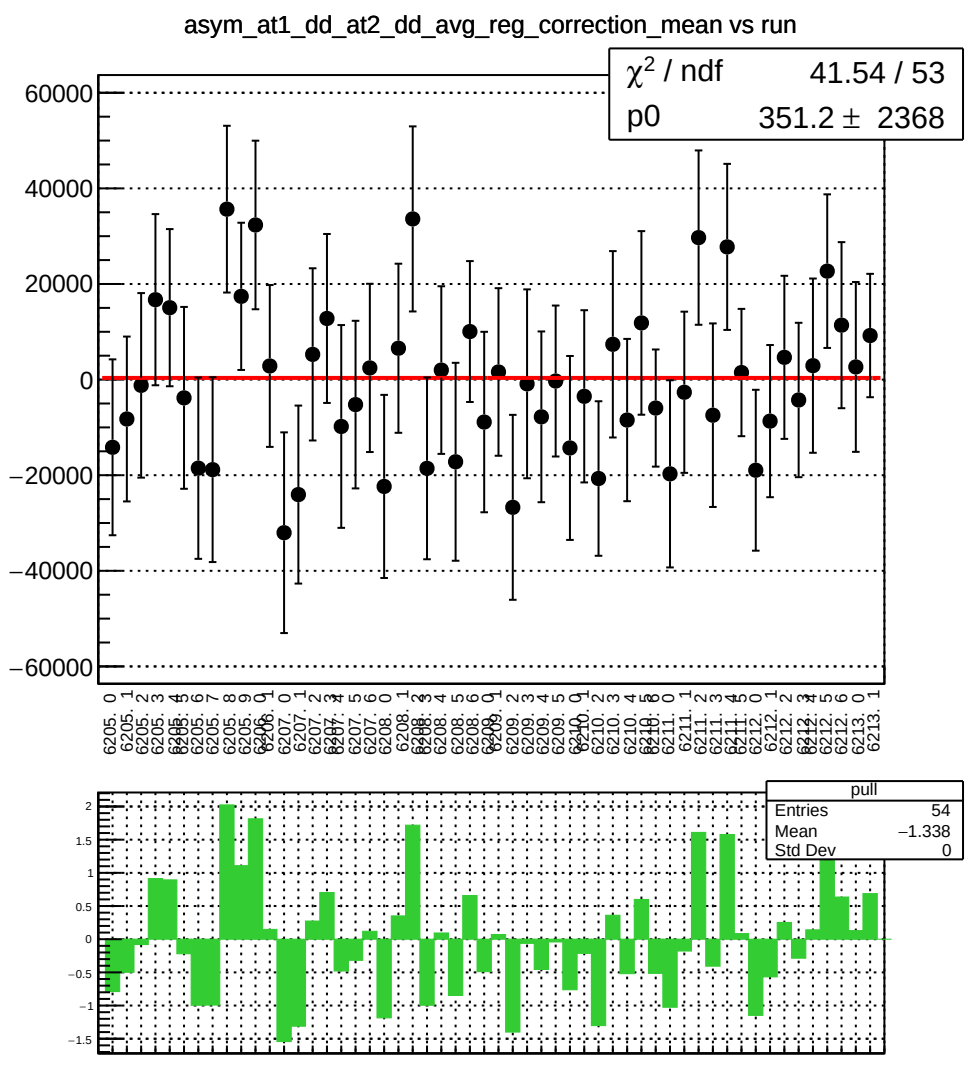

pull1D
Entries 54
Mean −0.07108
Std Dev 1.02

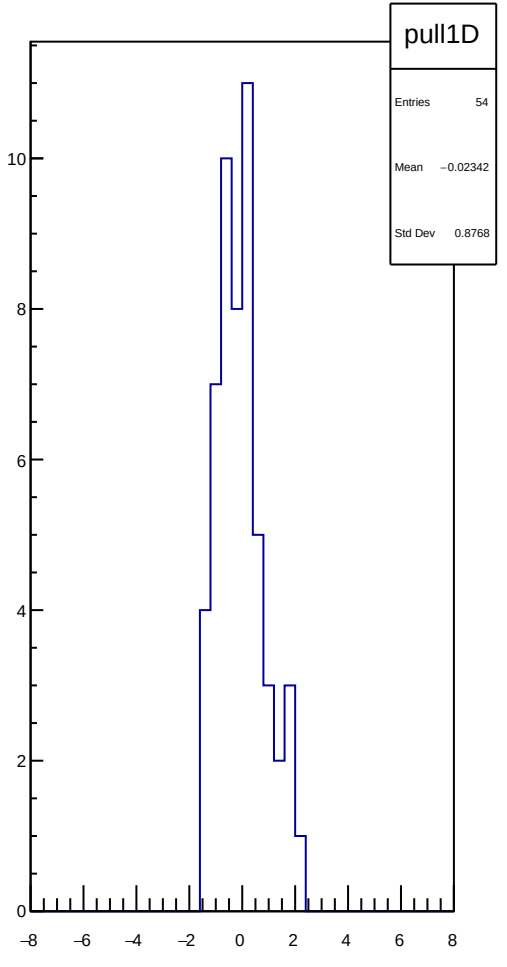

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.277e+05 / 53
p0 3.88e−11 ± 5.321e−14
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

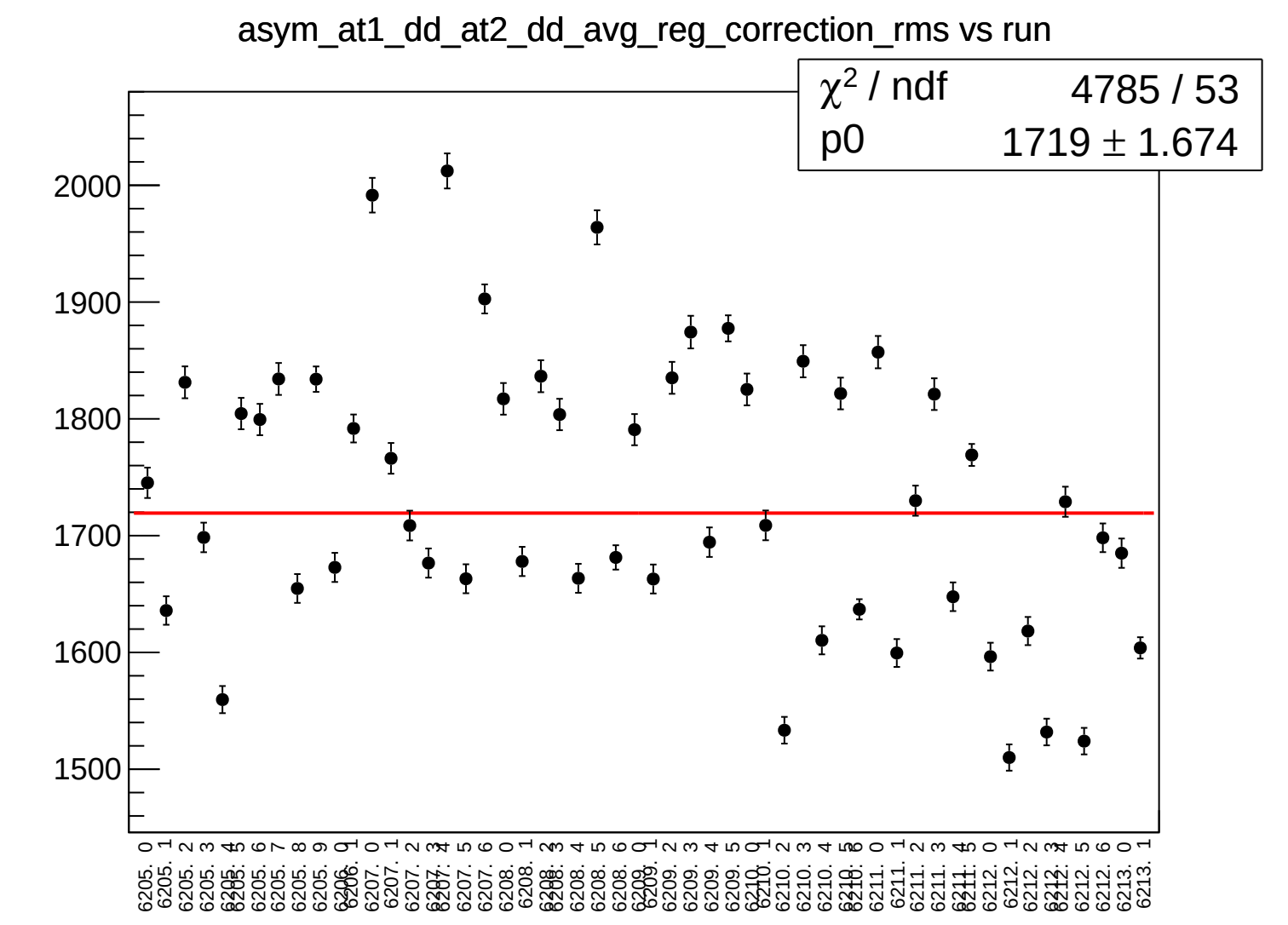

reg_asym_at1_dd_at2_dd_avg_mean vs run
χ² / ndf 53.42 / 53
p0 2490 ± 1697
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −1.389e+04
Std Dev 0
2
1
0
−1
−2

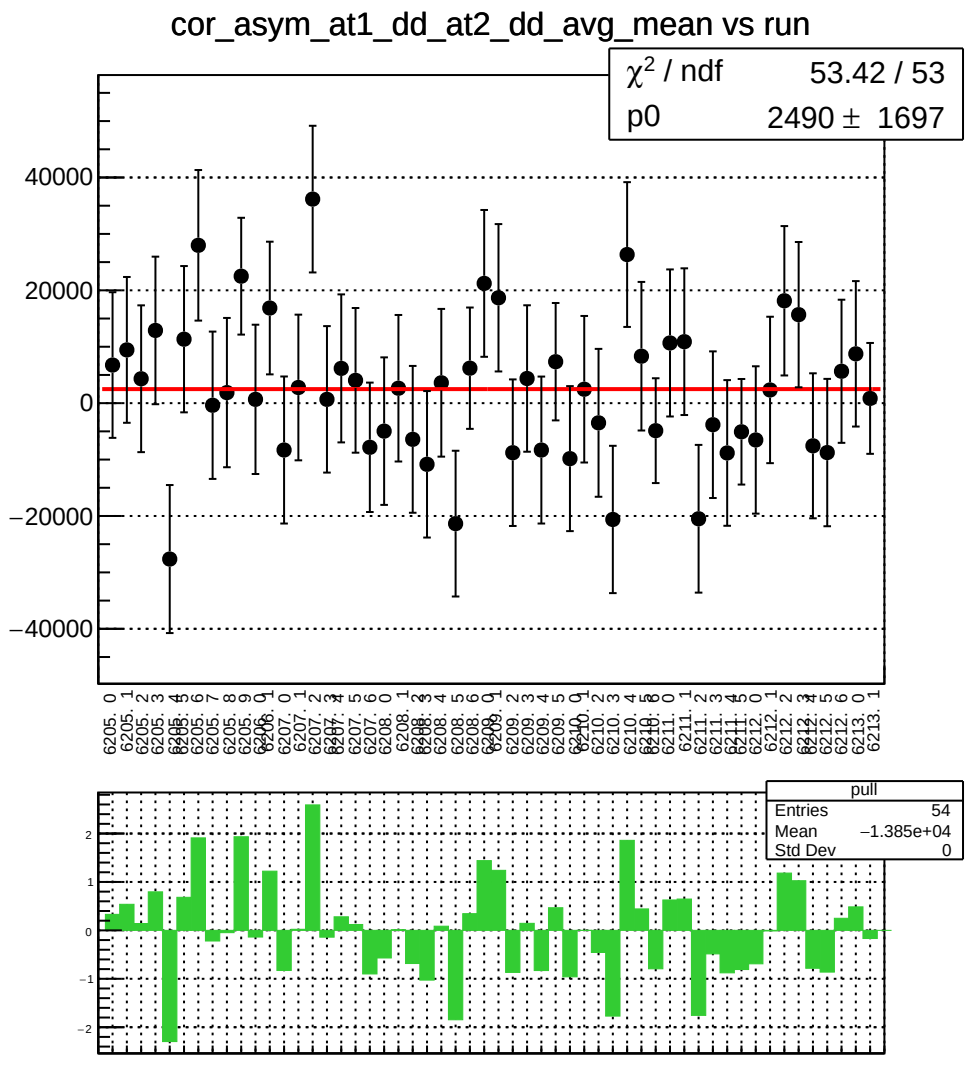

pull1D
Entries 54
Mean 0.0001853
Std Dev 0.9946
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

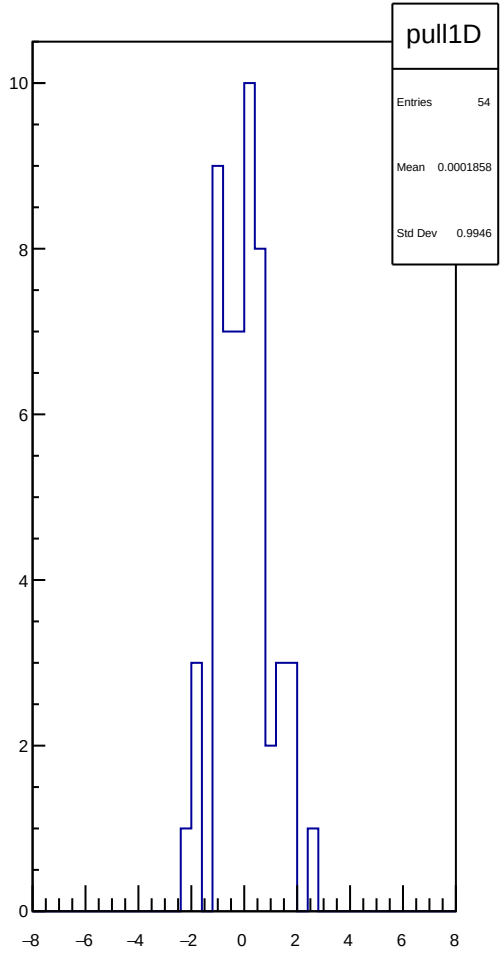

reg_asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 68.09 / 53
p0 1235 ± 1.2
1280
1270
1260
1250
1240
1230
1220
1210
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

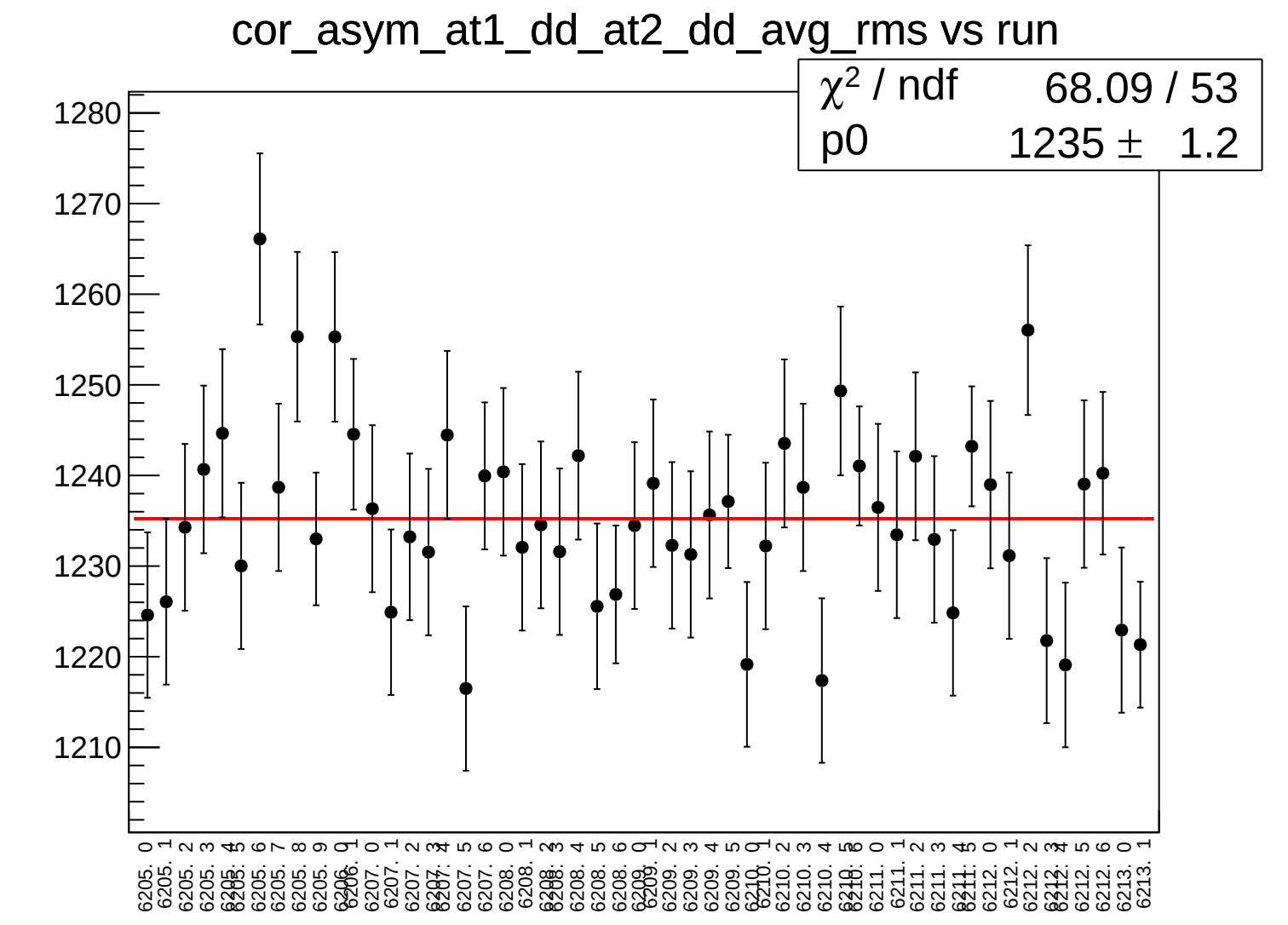

asym_at1_dd_at2_dd_avg_reg_correction_mean vs run
χ² / ndf 41.54 / 53
p0 351.2 ± 2368
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean −1.338
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

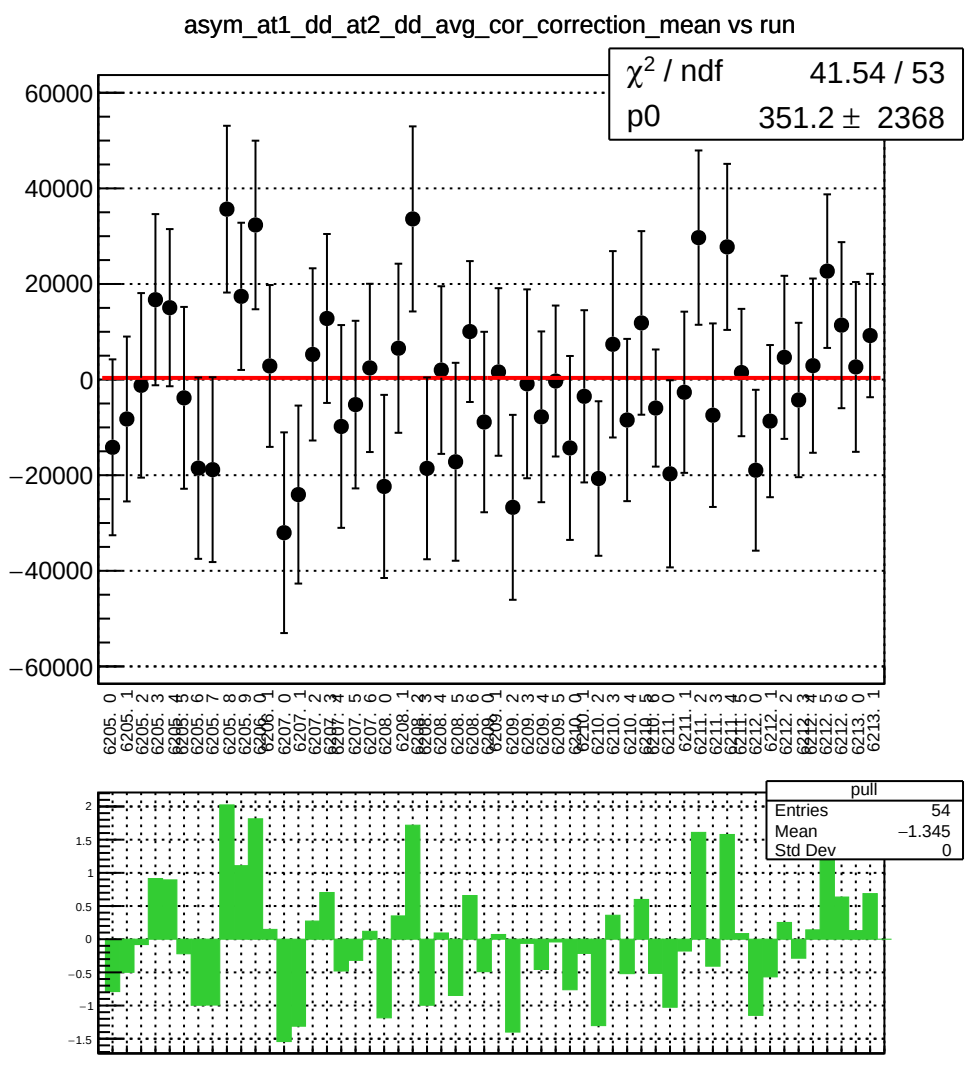

pull1D
Entries 54
Mean −0.02342
Std Dev 0.8768
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

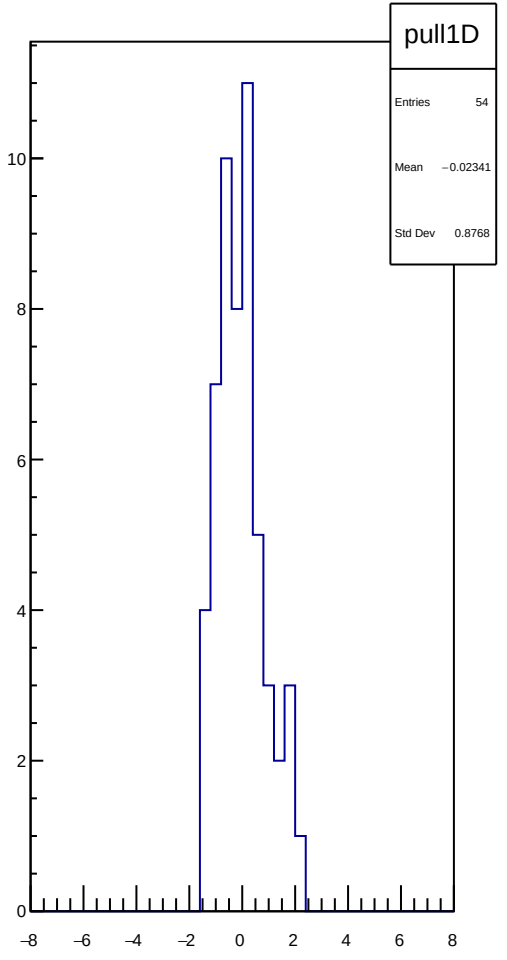

asym_at1_dd_at2_dd_avg_reg_correction_rms vs run
χ² / ndf 4785 / 53
p0 1719 ± 1.674
2000
1900
1800
1700
1600
1500
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

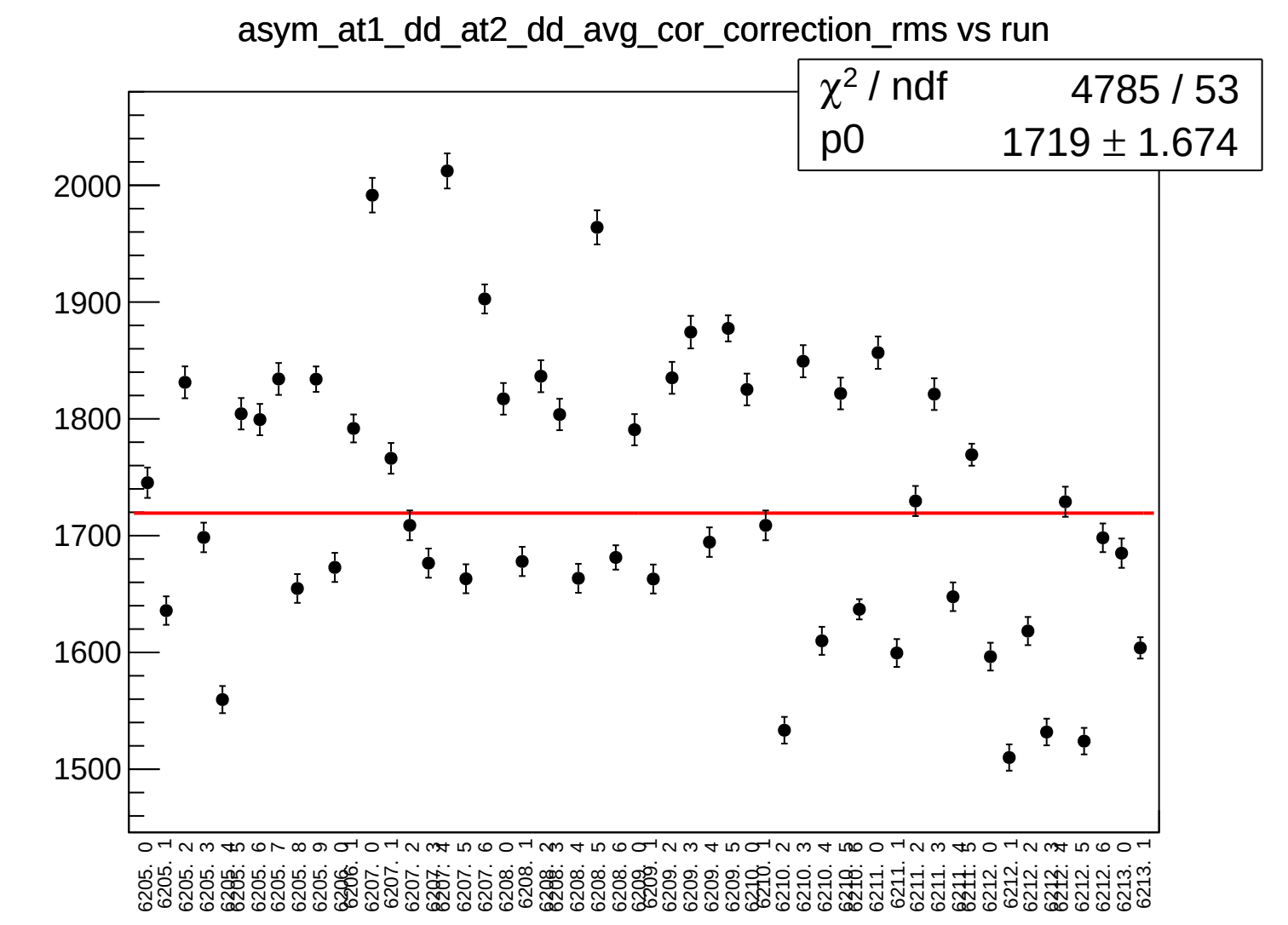

cor_asym_at1_dd_at2_dd_avg_mean vs run
χ² / ndf 53.42 / 53
p0 2490 ± 1697
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −1.385e+04
Std Dev 0
2
1
0
−1
−2

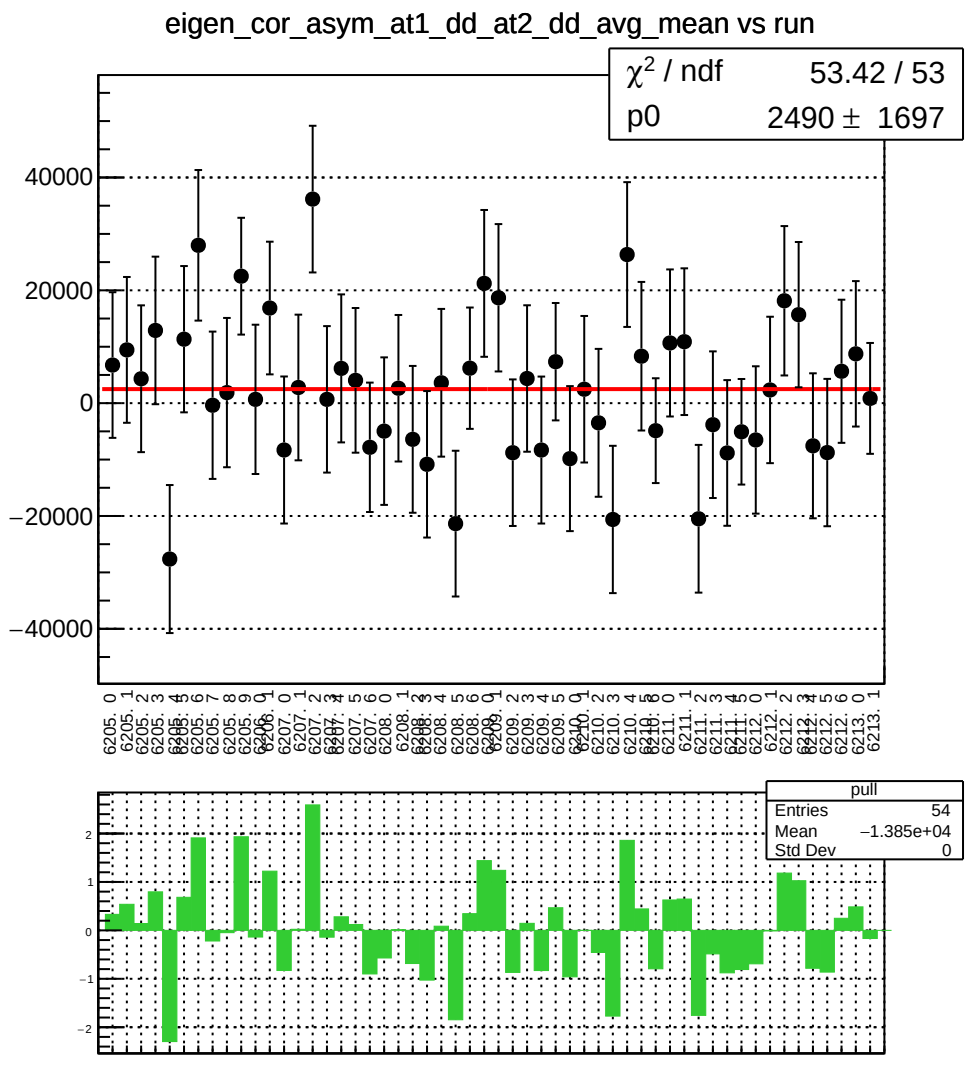

pull1D
Entries 54
Mean 0.0001858
Std Dev 0.9946
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

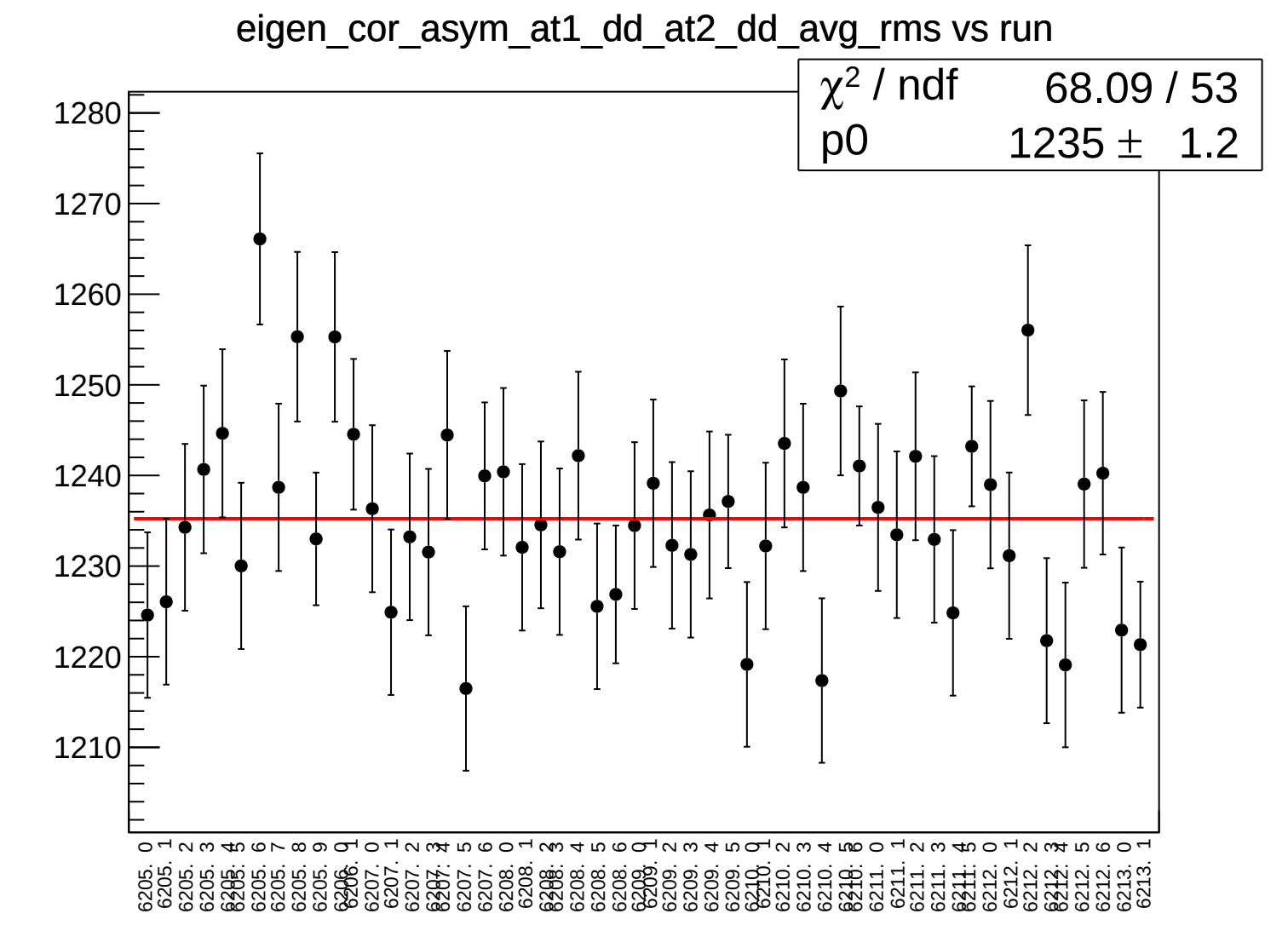

cor_asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 68.09 / 53
p0 1235 ± 1.2
1280
1270
1260
1250
1240
1230
1220
1210
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

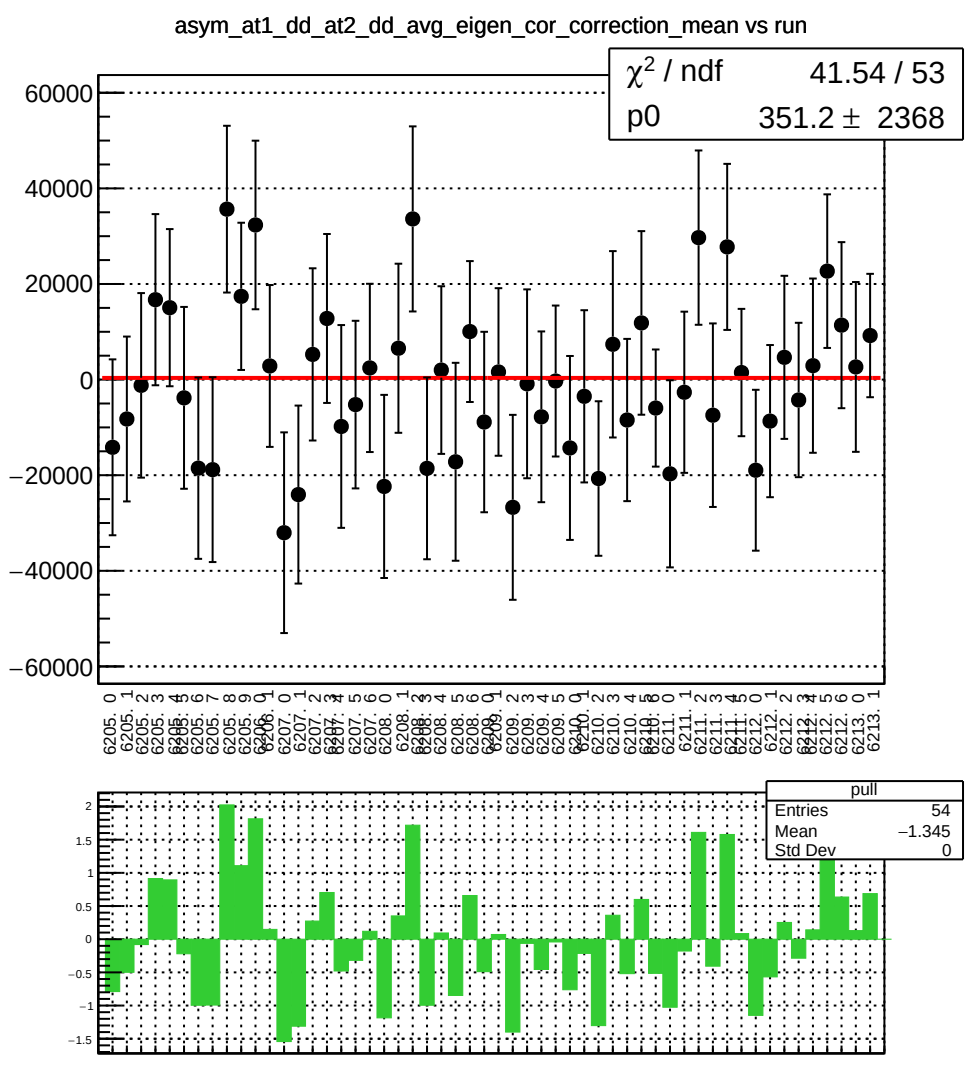

asym_at1_dd_at2_dd_avg_cor_correction_mean vs run
χ² / ndf 41.54 / 53
p0 351.2 ± 2368
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean −1.345
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

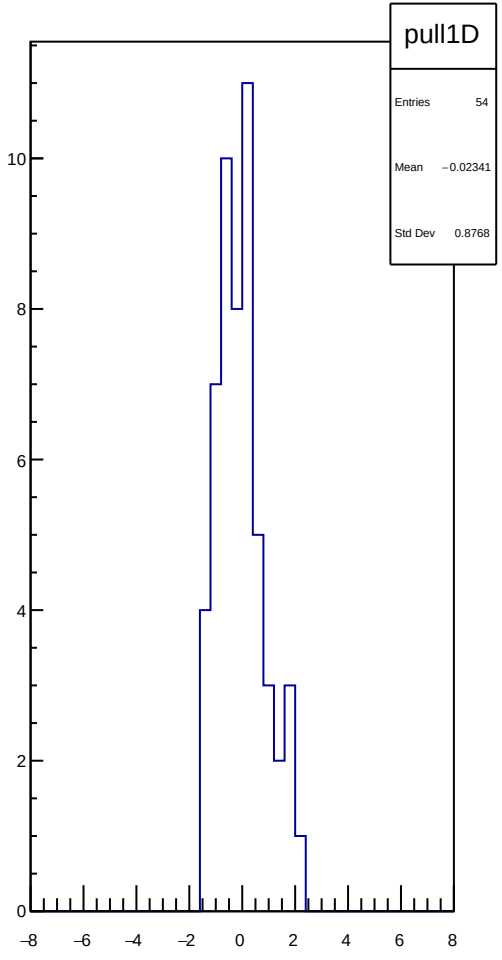

pull1D
Entries 54
Mean −0.02341
Std Dev 0.8768
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

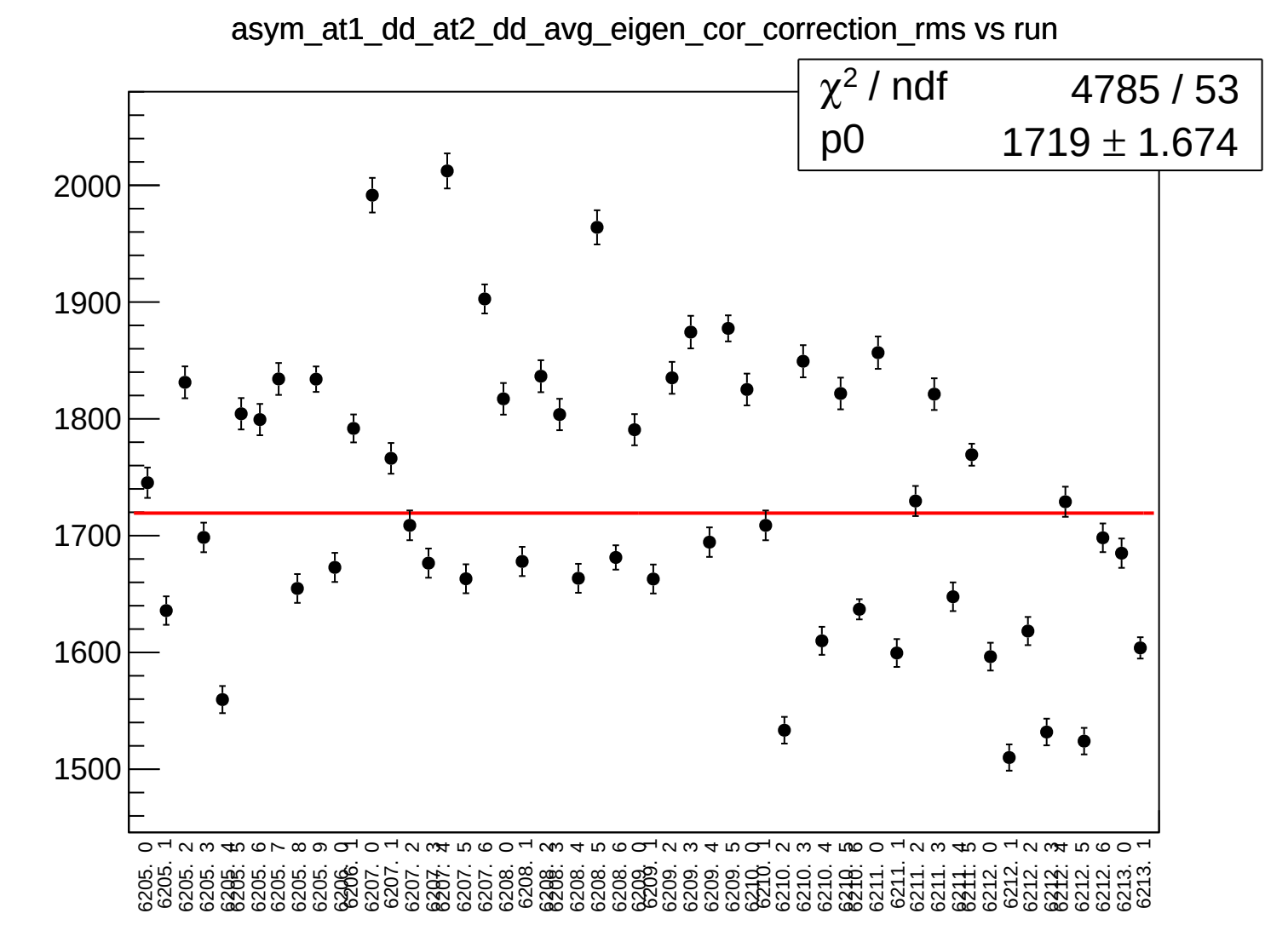

asym_at1_dd_at2_dd_avg_cor_correction_rms vs run
χ² / ndf 4785 / 53
p0 1719 ± 1.674
2000
1900
1800
1700
1600
1500
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

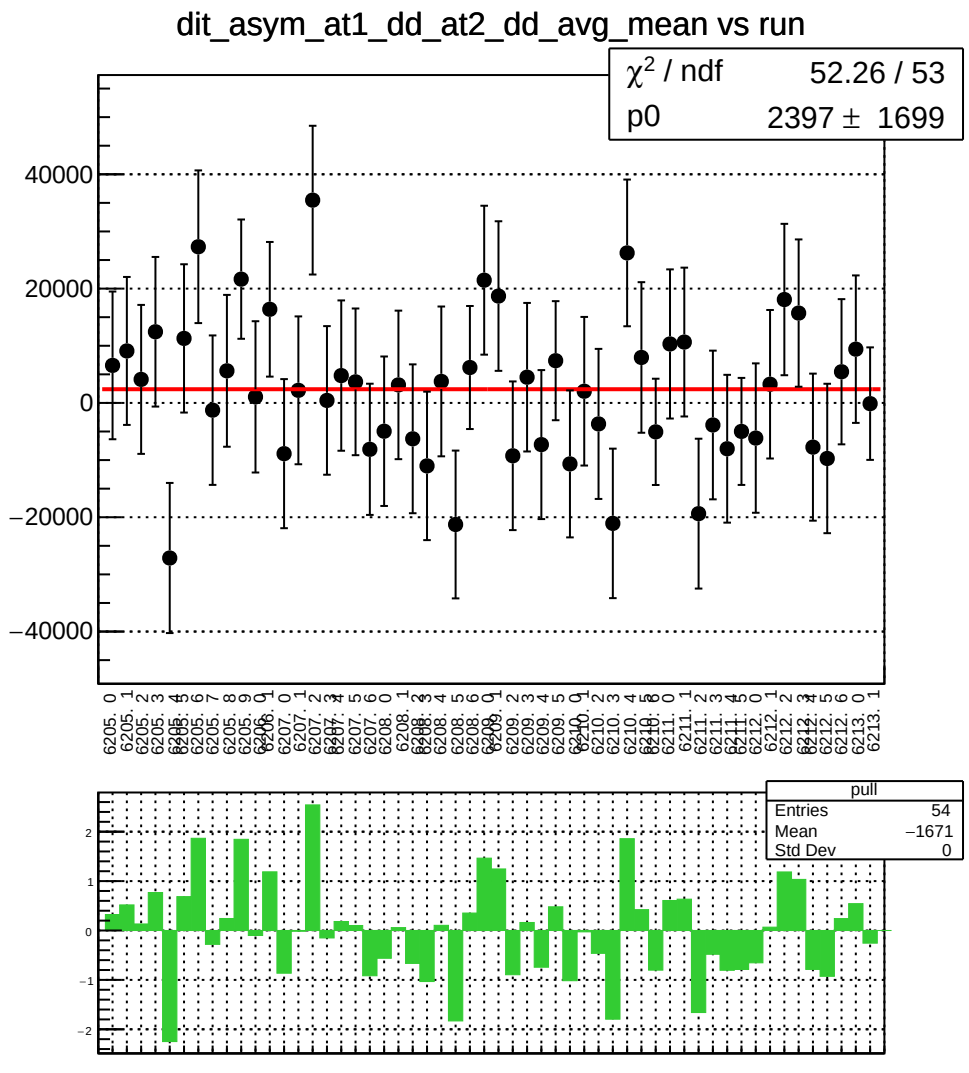

eigen_cor_asym_at1_dd_at2_dd_avg_mean vs run
χ² / ndf 53.42 / 53
p0 2490 ± 1697
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −1.385e+04
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 54
Mean 0.0001858
Std Dev 0.9946
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

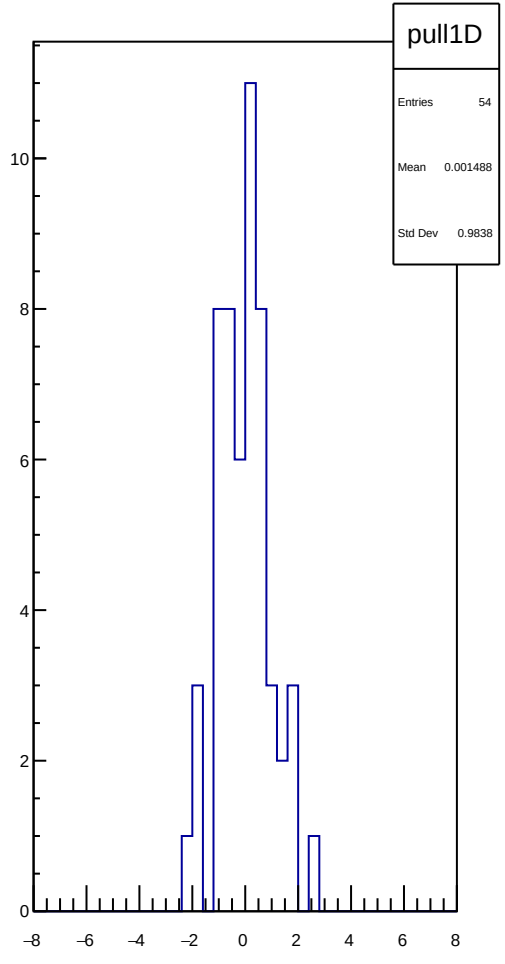

eigen_cor_asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 68.09 / 53
p0 1235 ± 1.2
1280
1270
1260
1250
1240
1230
1220
1210
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

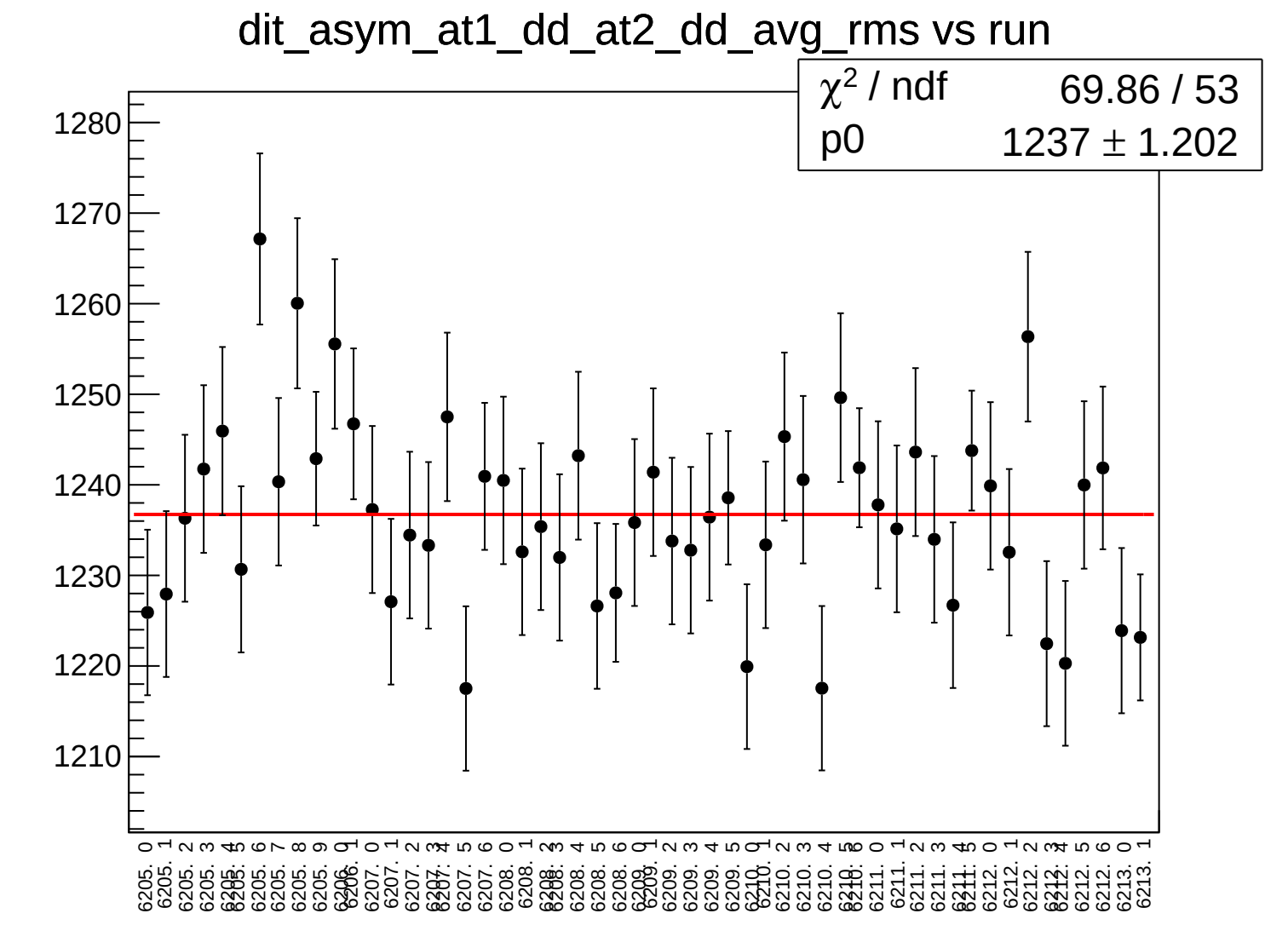

asym_at1_dd_at2_dd_avg_eigen_cor_correction_mean vs run
χ² / ndf 41.54 / 53
p0 351.2 ± 2368
pull
Entries 54
Mean −1.345
Std Dev 0

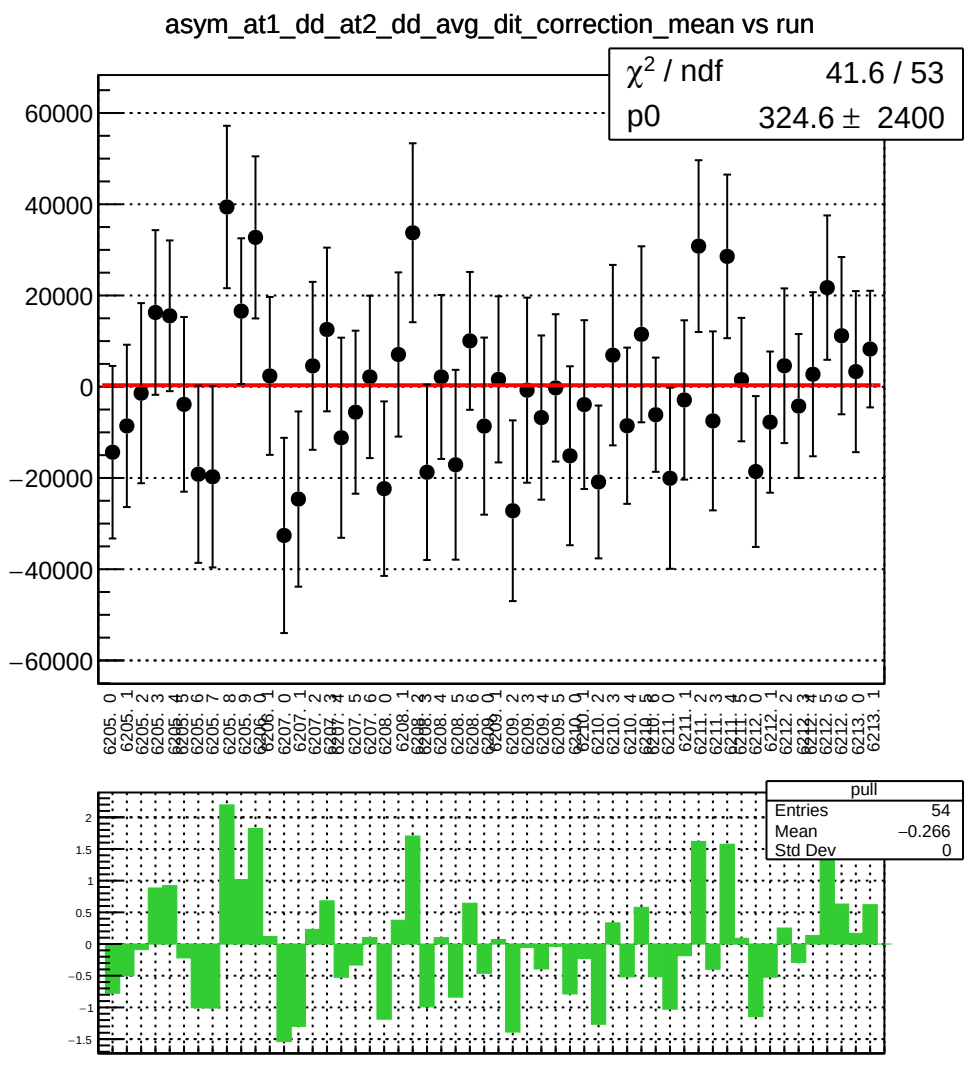

pull1D
Entries 54
Mean −0.02341
Std Dev 0.8768

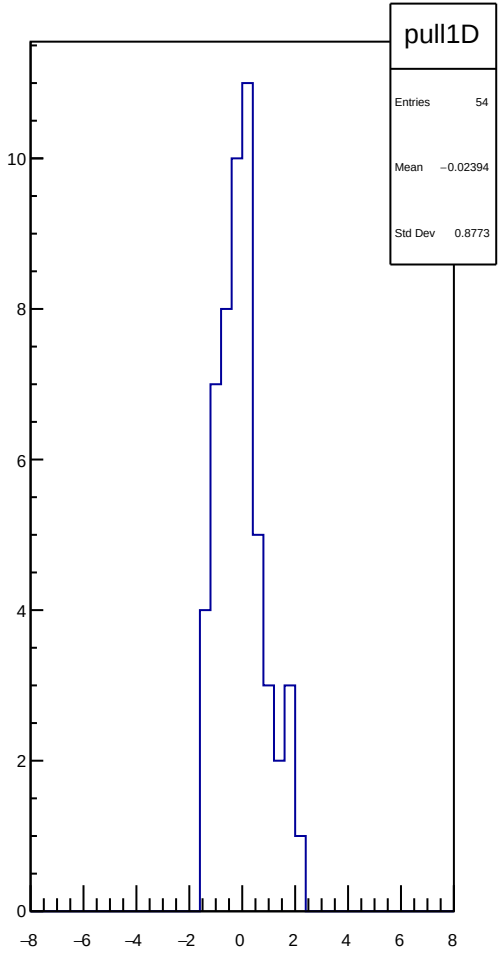

asym_at1_dd_at2_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 4785 / 53
p0 1719 ± 1.674
2000
1900
1800
1700
1600
1500
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

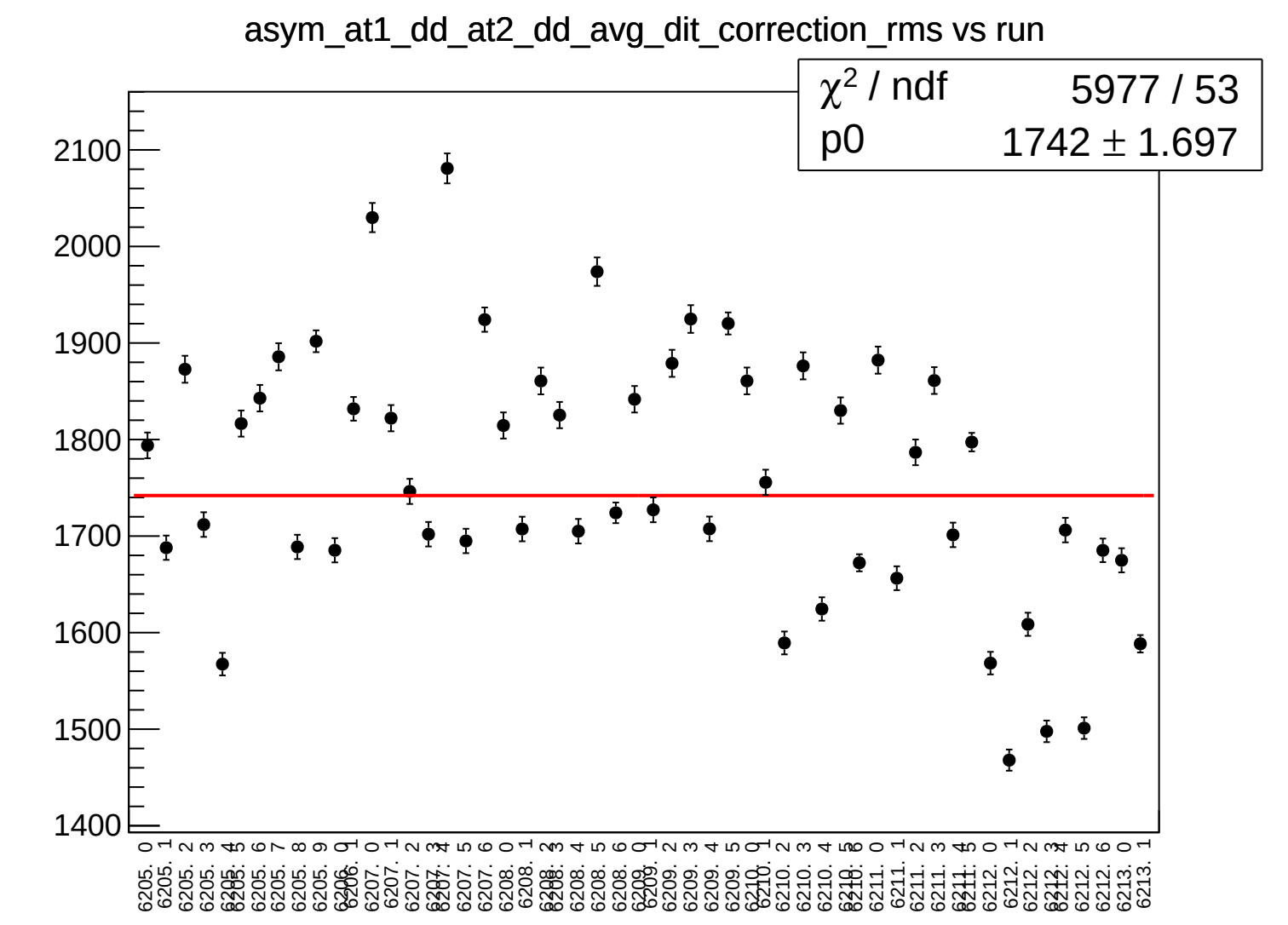

dit_asym_at1_dd_at2_dd_avg_mean vs run
χ² / ndf 52.26 / 53
p0 2397 ± 1699
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −1671
Std Dev 0
2
1
0
−1
−2

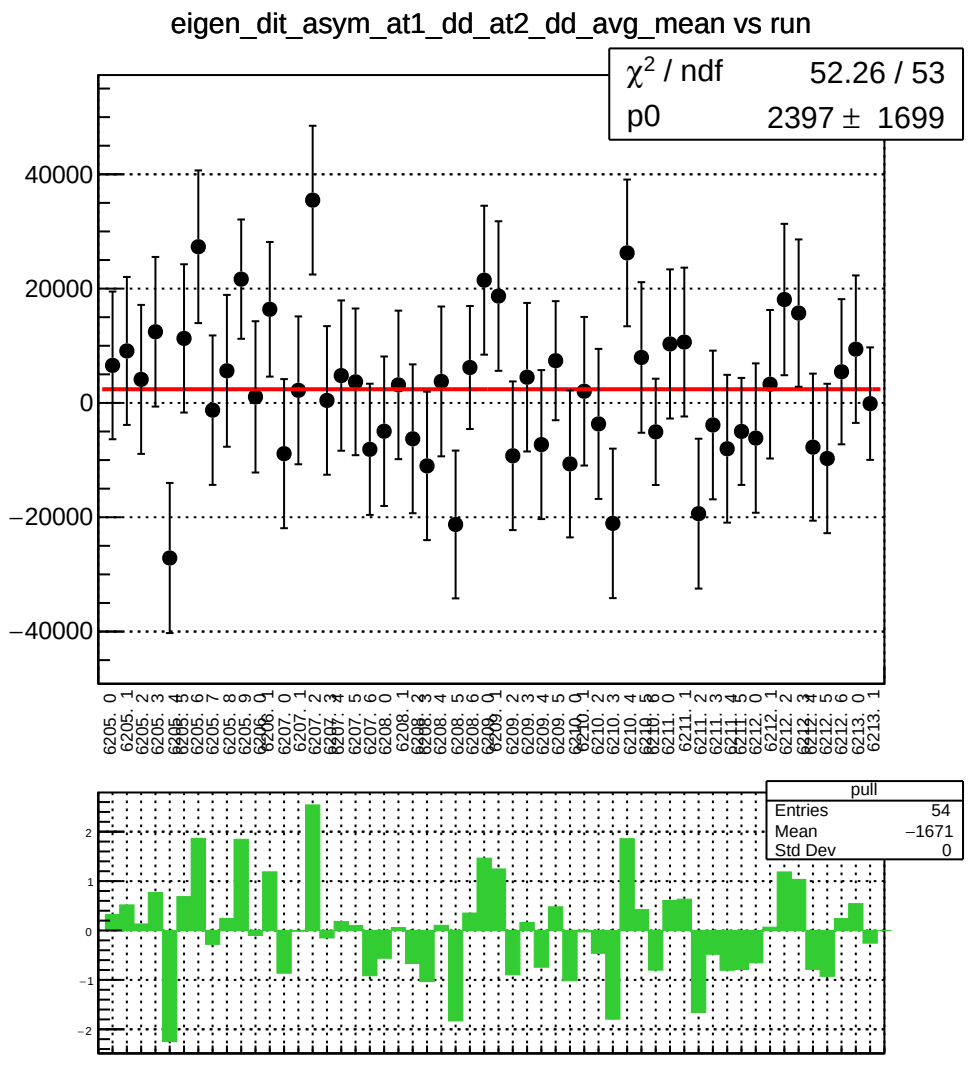

pull1D
Entries 54
Mean 0.001488
Std Dev 0.9838
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

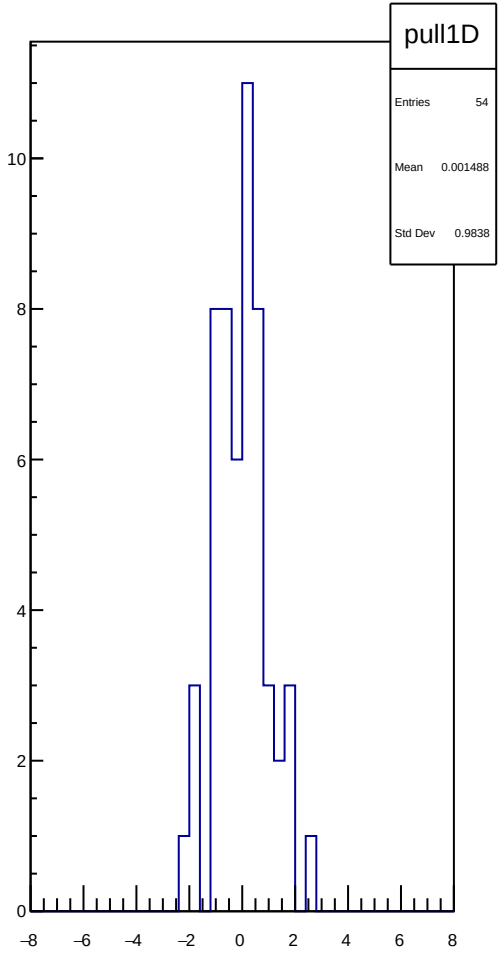

dit_asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 69.86 / 53
p0 1237 ± 1.202
1280
1270
1260
1250
1240
1230
1220
1210
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

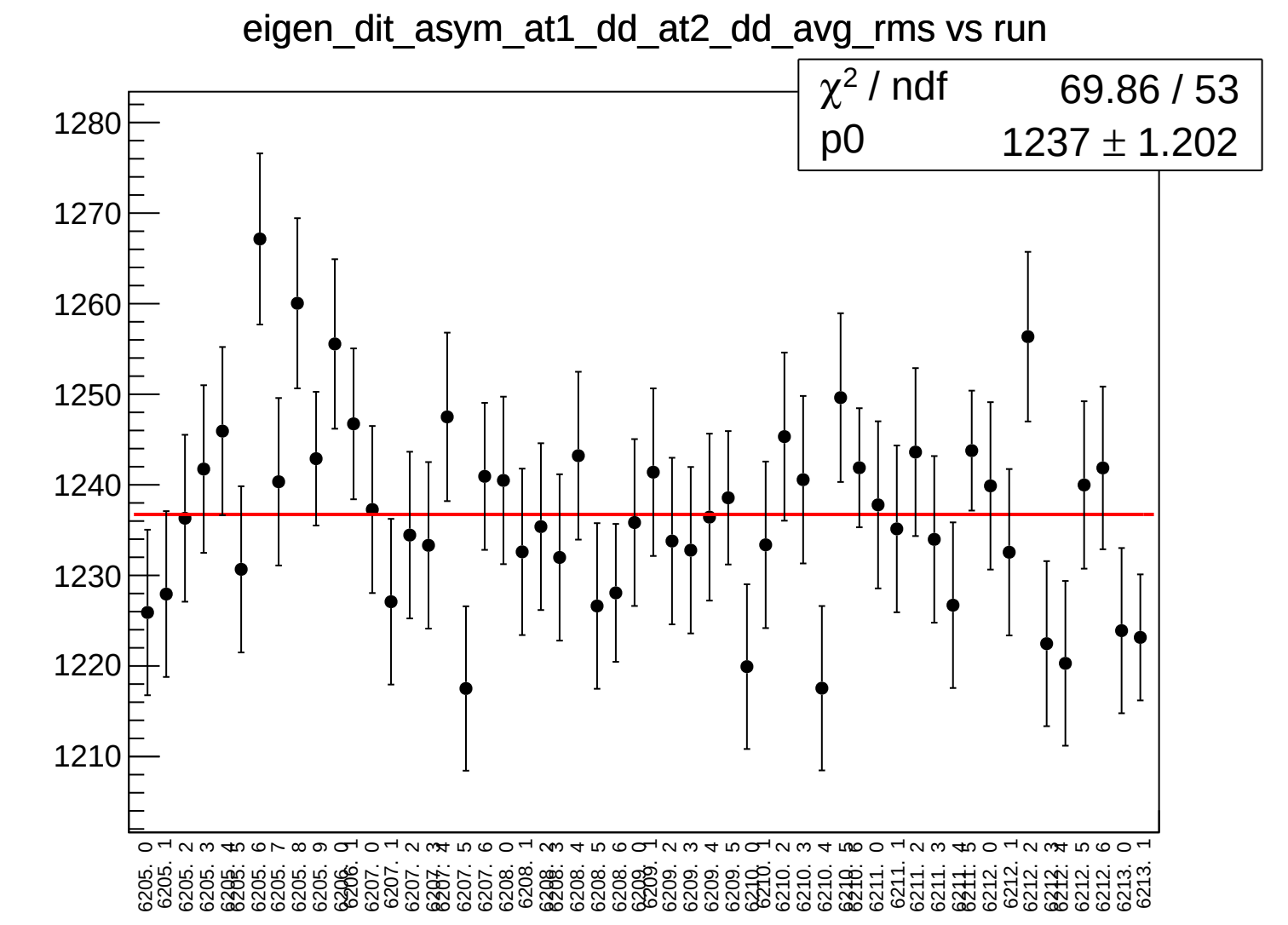

asym_at1_dd_at2_dd_avg_dit_correction_mean vs run
χ² / ndf 41.6 / 53
p0 324.6 ± 2400
pull
Entries 54
Mean −0.266
Std Dev 0


pull1D
Entries 54
Mean −0.02394
Std Dev 0.8773


asym_at1_dd_at2_dd_avg_dit_correction_rms vs run
χ² / ndf 5977 / 53
p0 1742 ± 1.697
2100
2000
1900
1800
1700
1600
1500
1400
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


eigen_dit_asym_at1_dd_at2_dd_avg_mean vs run
χ² / ndf 52.26 / 53
p0 2397 ± 1699
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −1671
Std Dev 0


pull1D
Entries 54
Mean 0.001488
Std Dev 0.9838
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 69.86 / 53
p0 1237 ± 1.202
1280
1270
1260
1250
1240
1230
1220
1210
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
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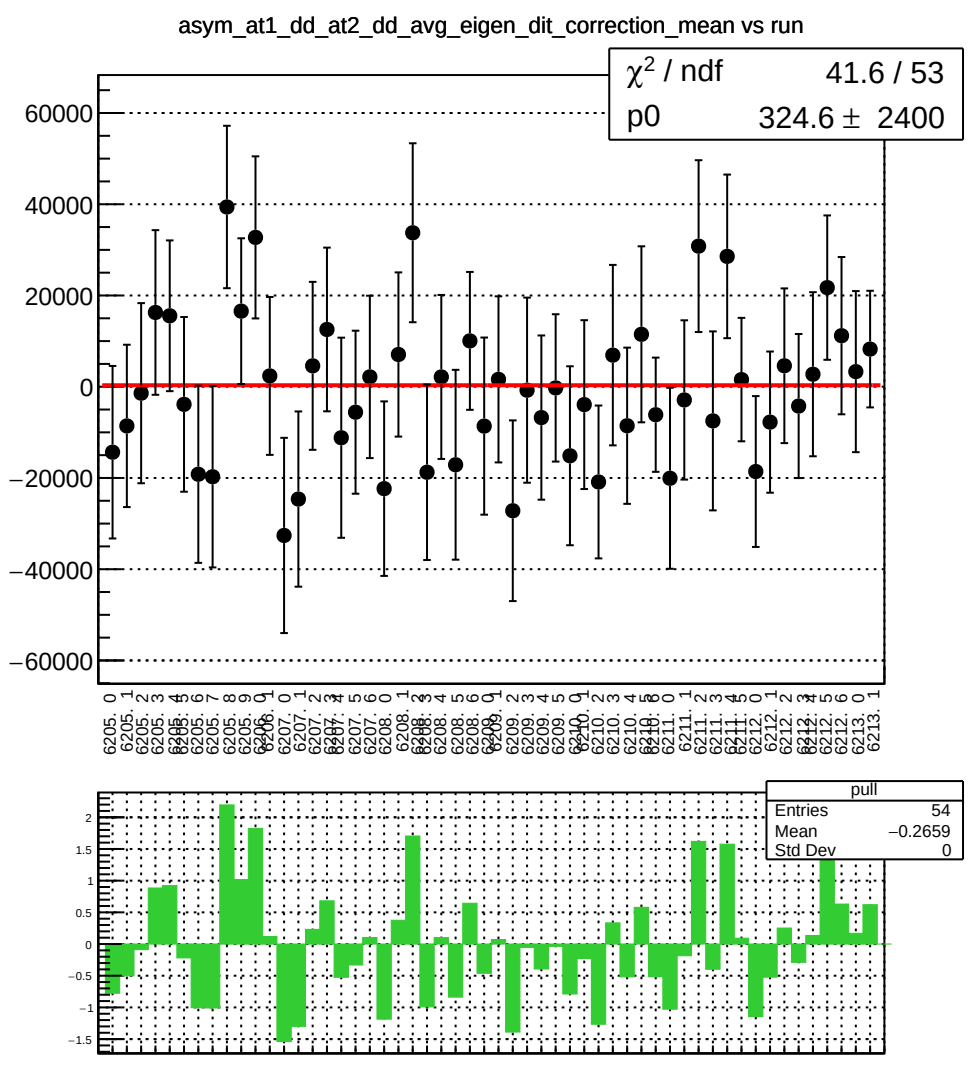
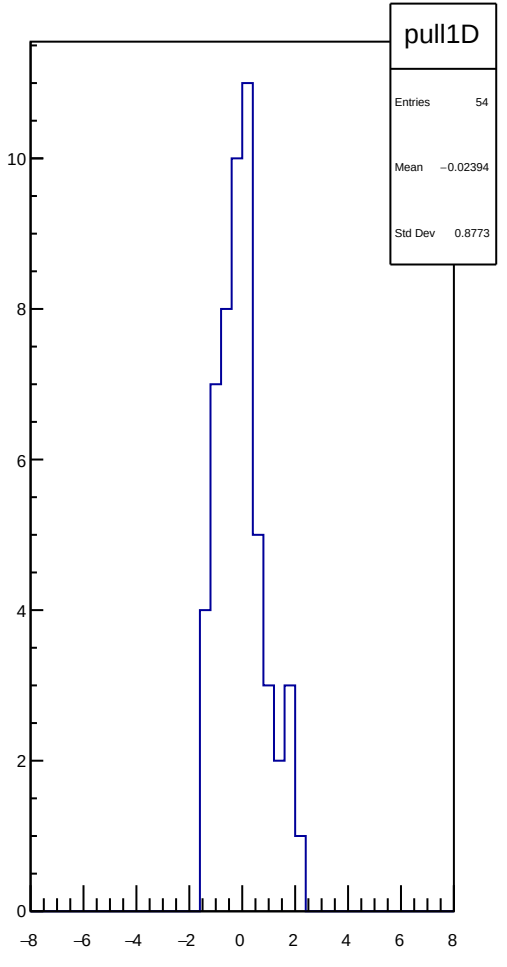
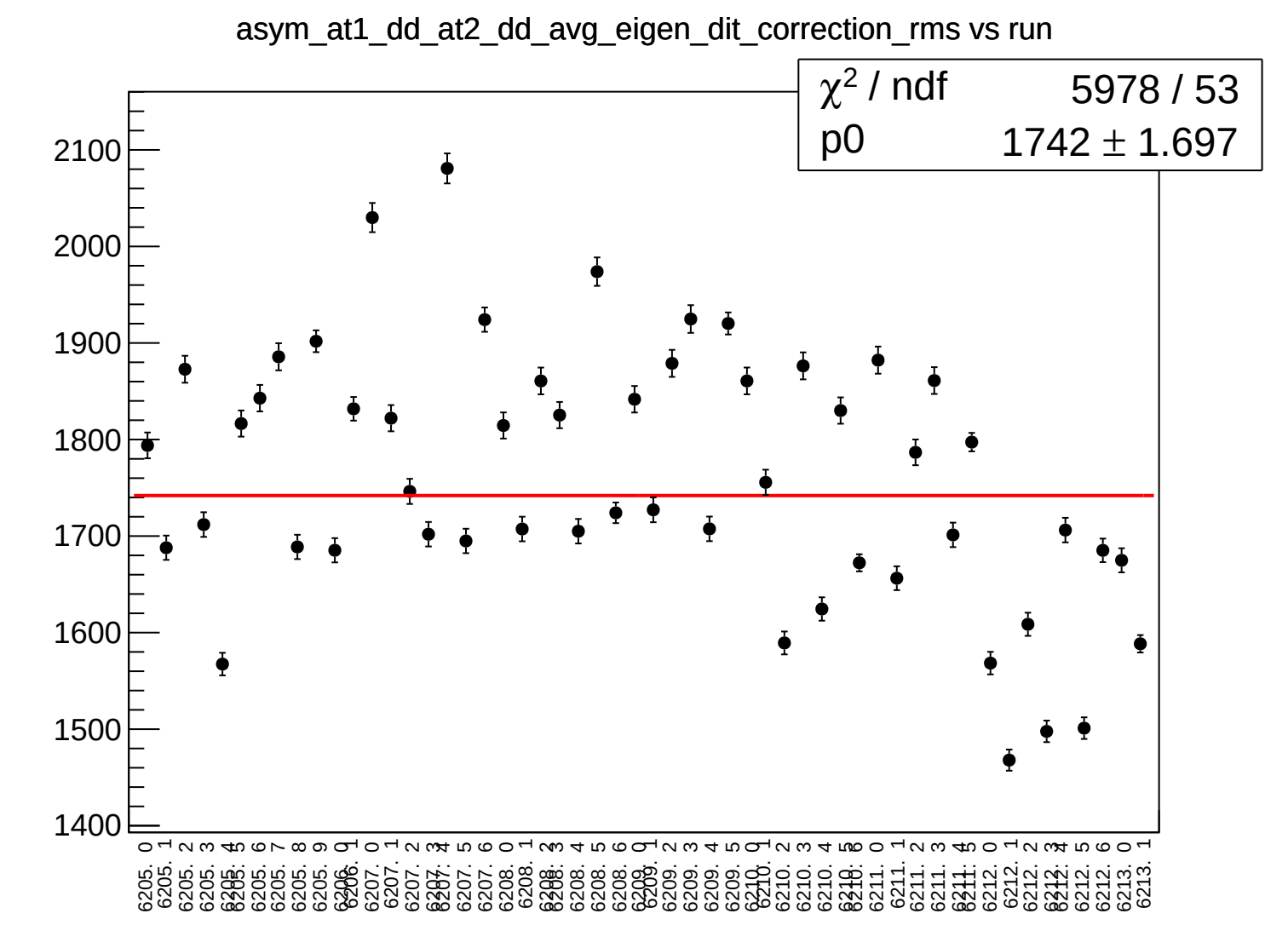
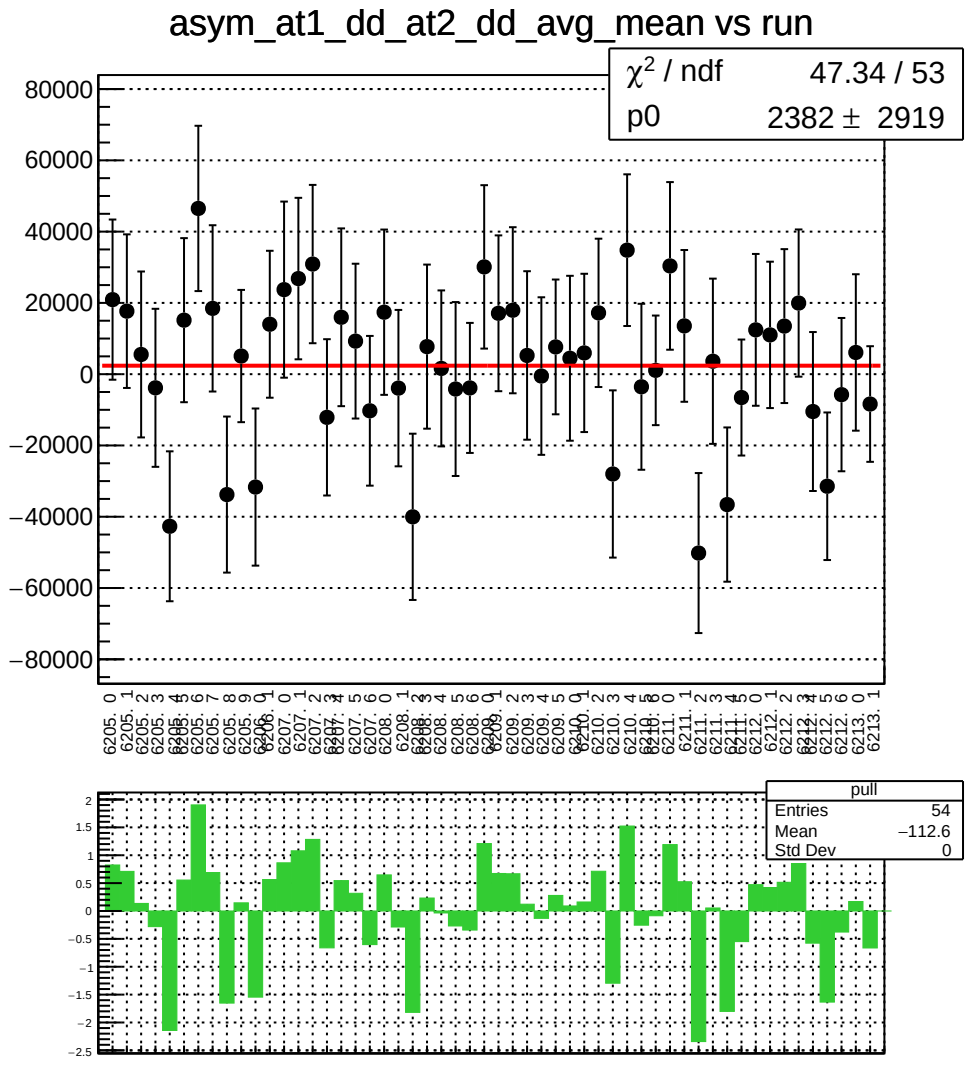
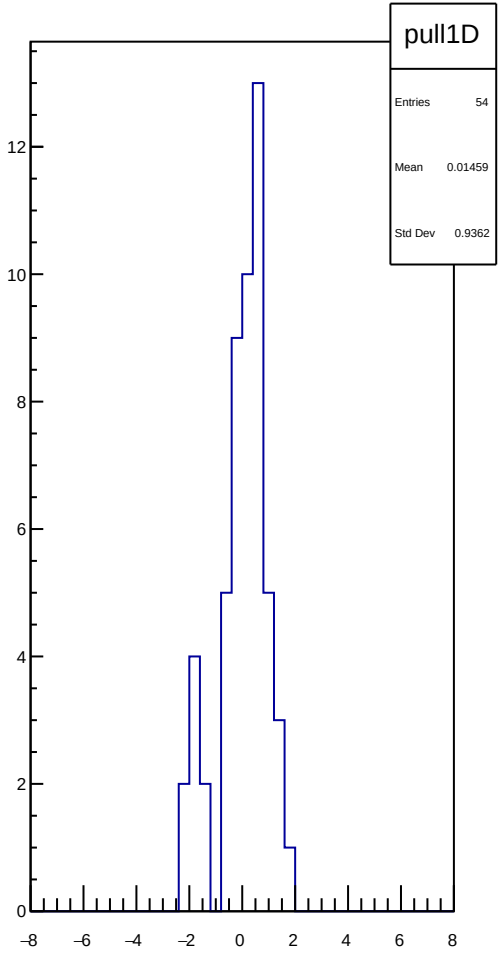
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

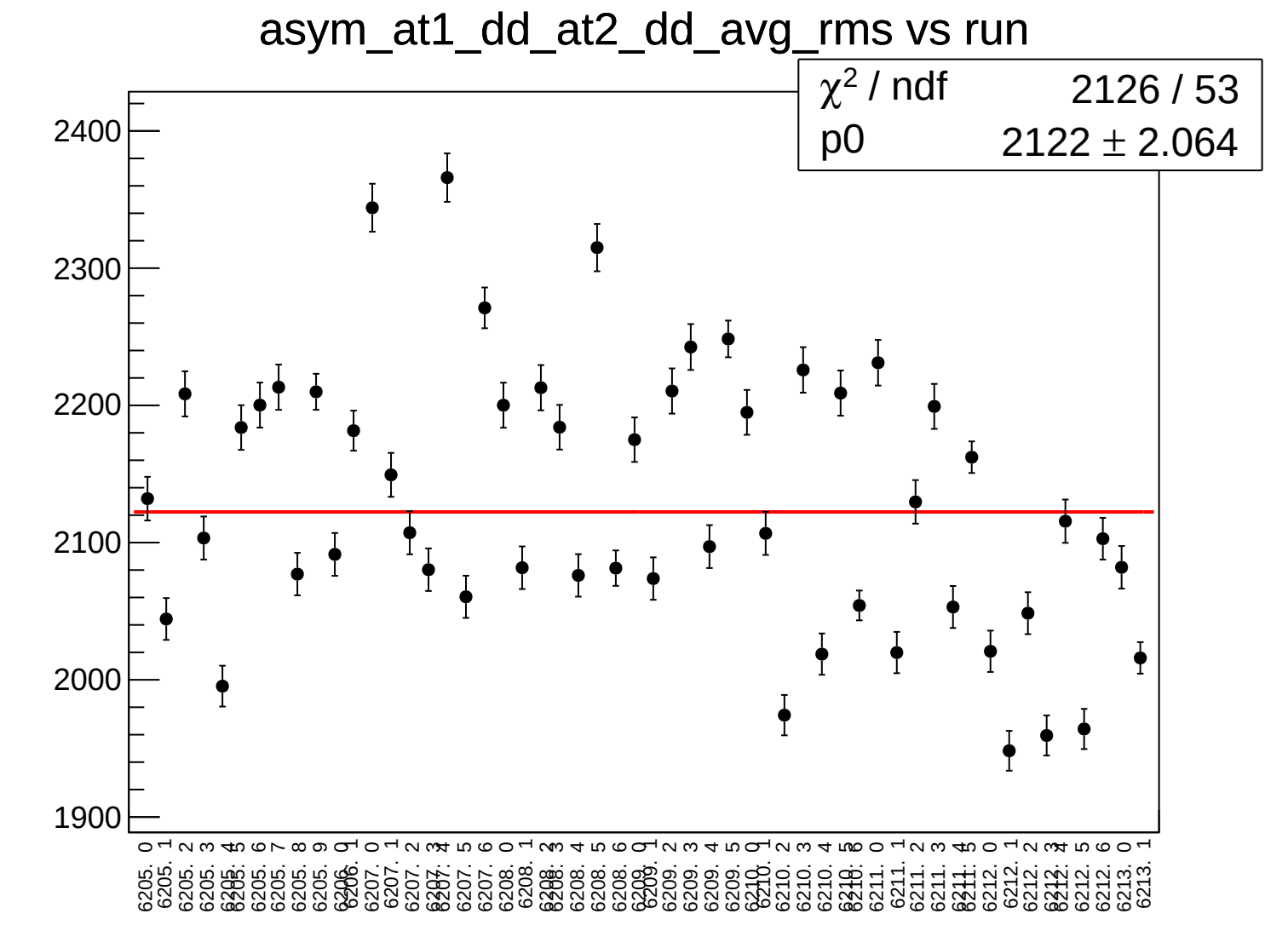

asym_at1_dd_at2_dd_avg_eigen_dit_correction_mean vs run
χ² / ndf 41.6 / 53
p0 324.6 ± 2400
pull
Entries 54
Mean −0.2659
Std Dev 0

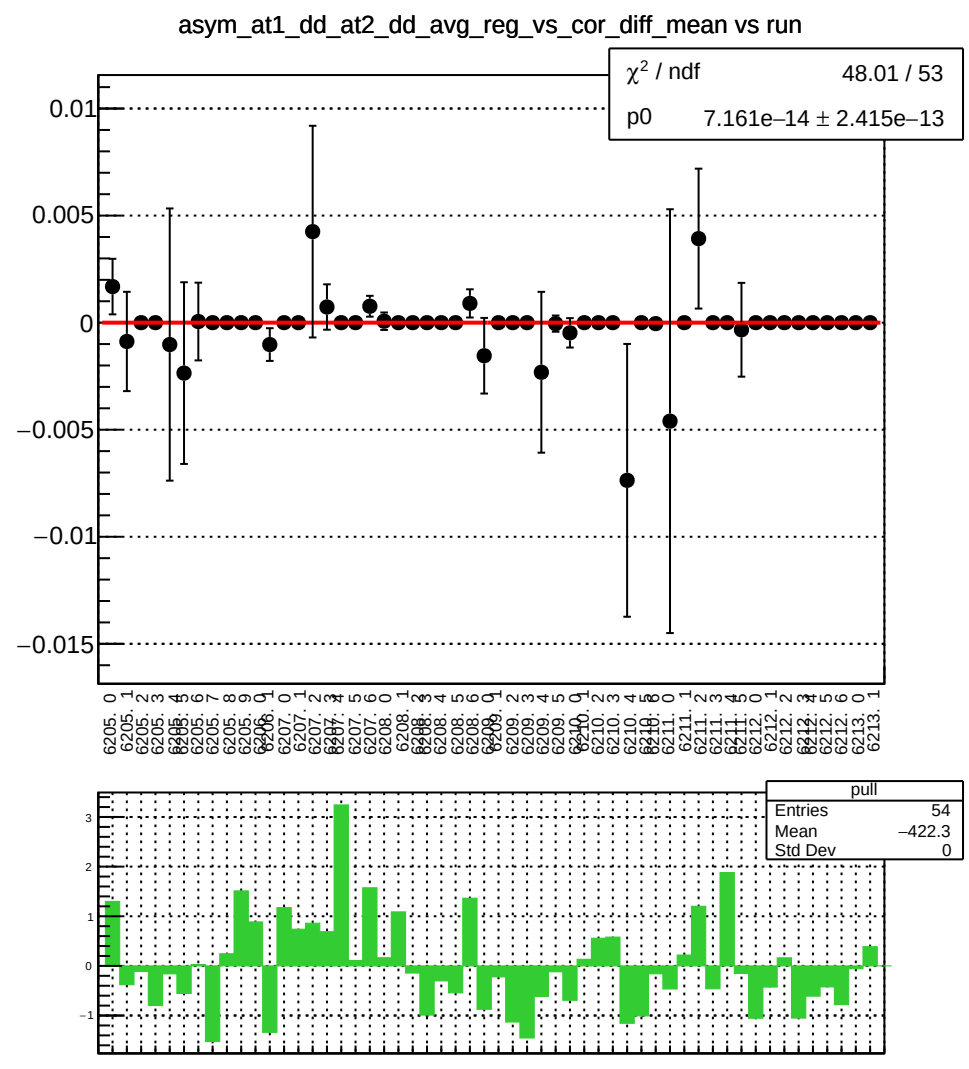

pull1D
Entries 54
Mean −0.02394
Std Dev 0.8773

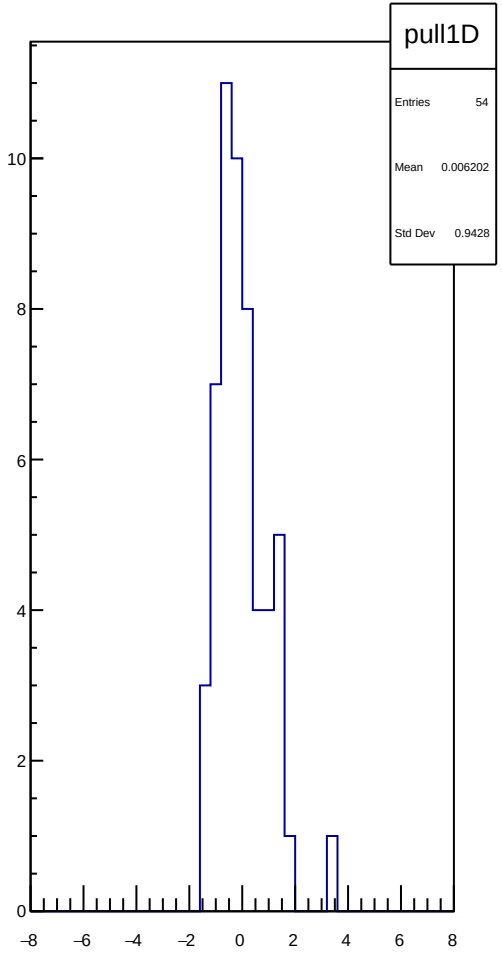

asym_at1_dd_at2_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 5978 / 53
p0 1742 ± 1.697
2100
2000
1900
1800
1700
1600
1500
1400
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

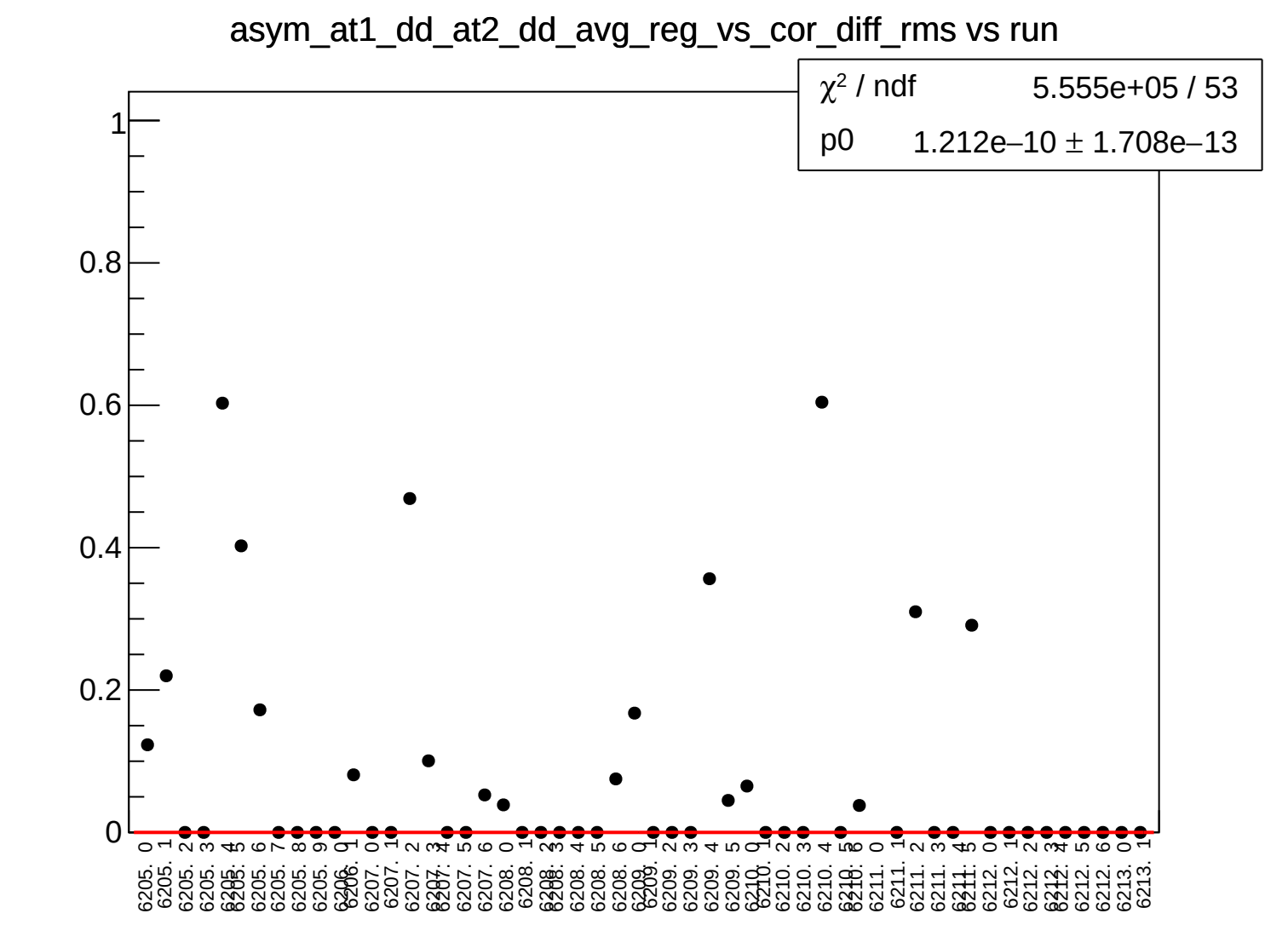

asym_at1_dd_at2_dd_avg_mean vs run
χ² / ndf 47.34 / 53
p0 2382 ± 2919
pull
Entries 54
Mean −112.6
Std Dev 0

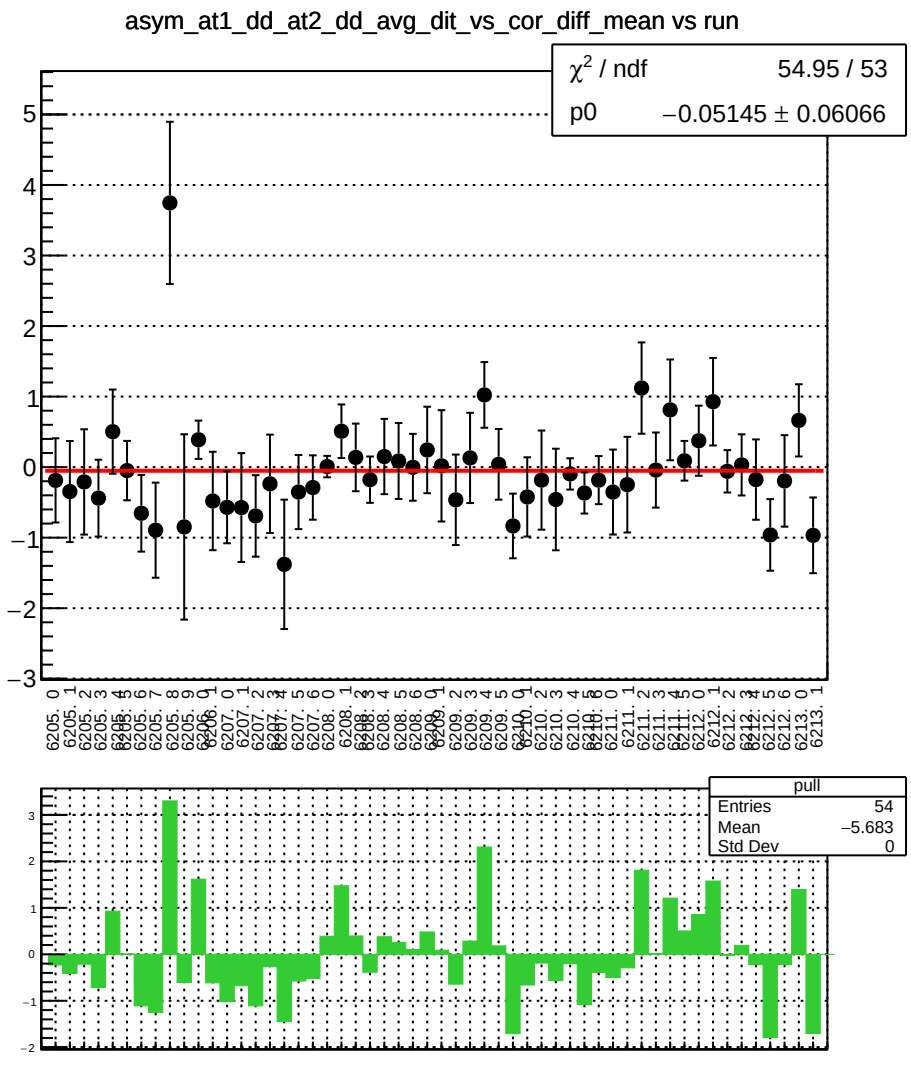

pull1D
Entries 54
Mean 0.01459
Std Dev 0.9362

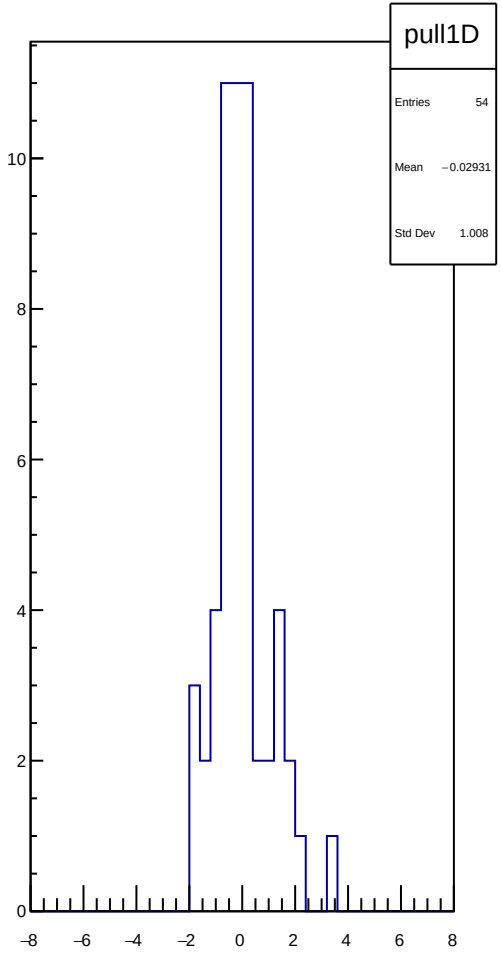

asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 2126 / 53
p0 2122 ± 2.064
2400
2300
2200
2100
2000
1900
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

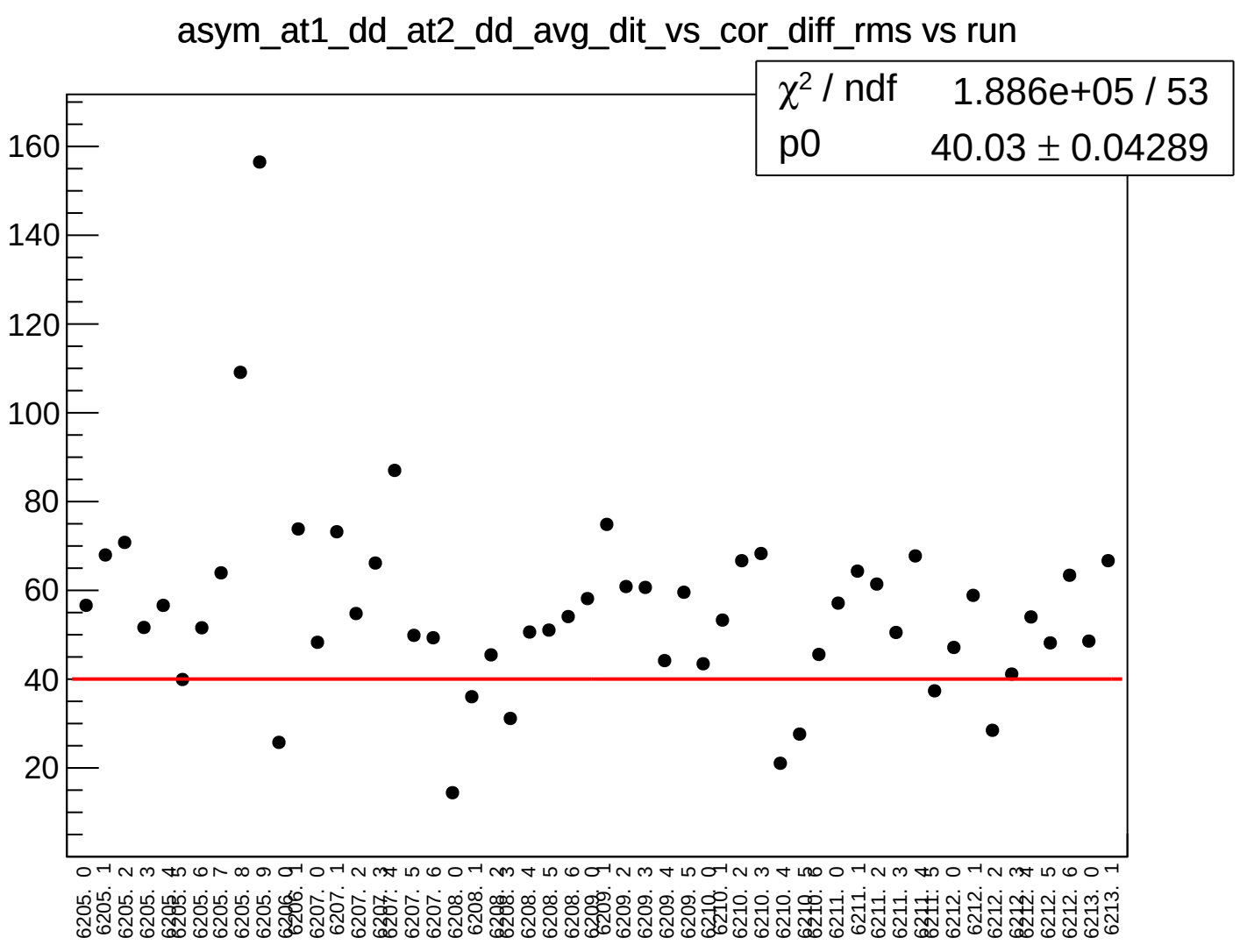

asym_at1_dd_at2_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 48.01 / 53
p0 7.161e−14 ± 2.415e−13
0.01
0.005
0
−0.005
−0.01
−0.015
pull
Entries 54
Mean −422.3
Std Dev 0
3
2
1
0
−1

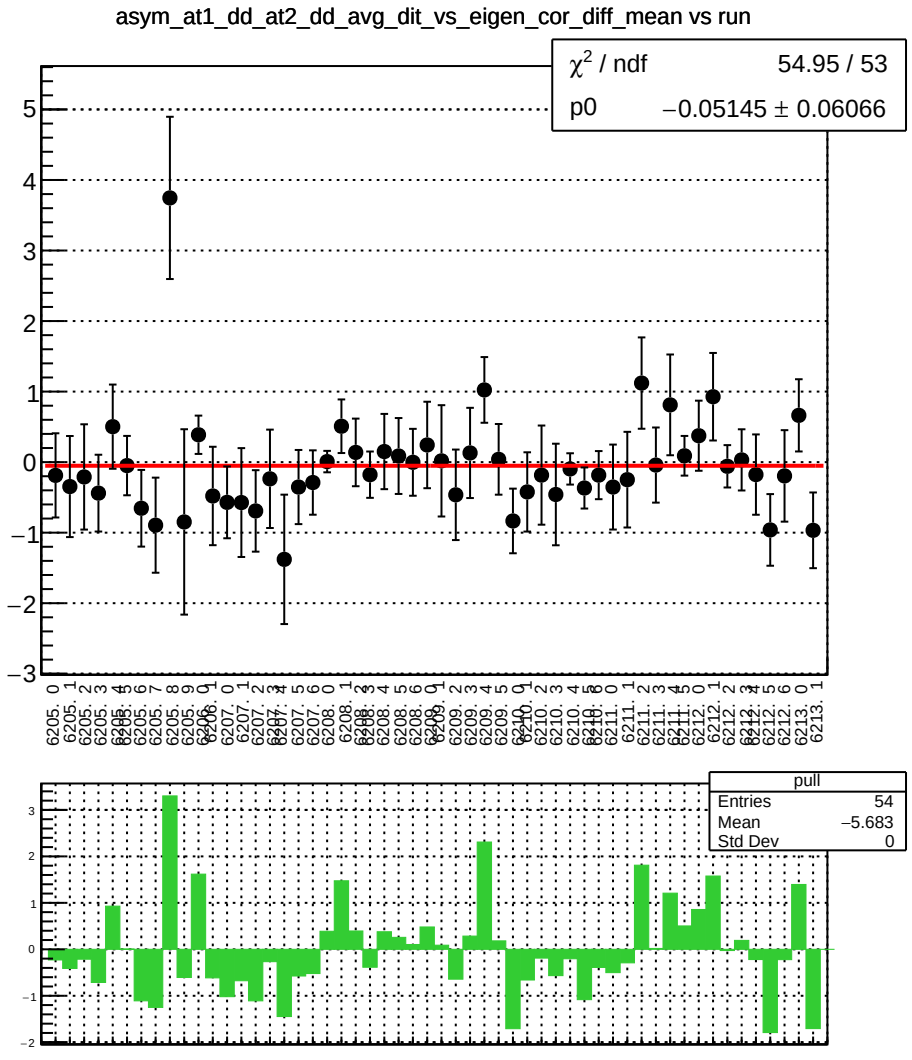

pull1D
Entries 54
Mean 0.006202
Std Dev 0.9428
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

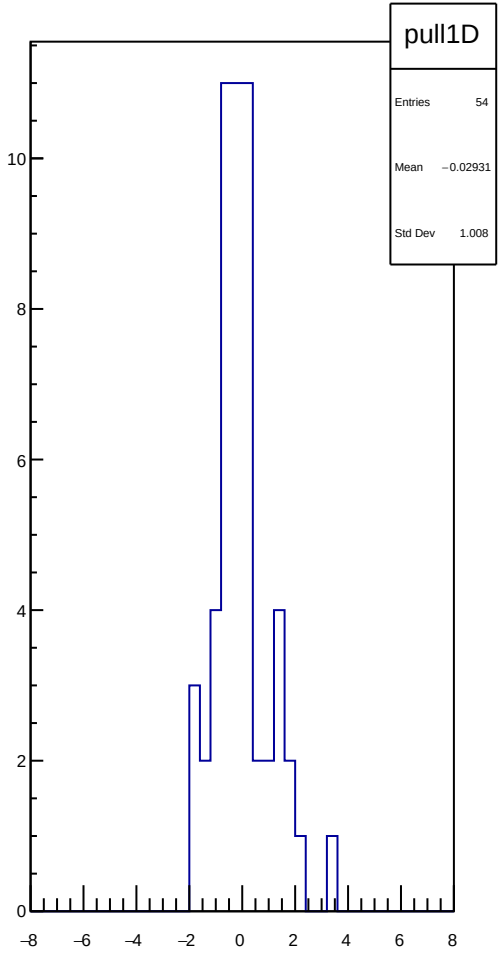

asym_at1_dd_at2_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 5.555e+05 / 53
p0 1.212e−10 ± 1.708e−13
1
0.8
0.6
0.4
0.2
0
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

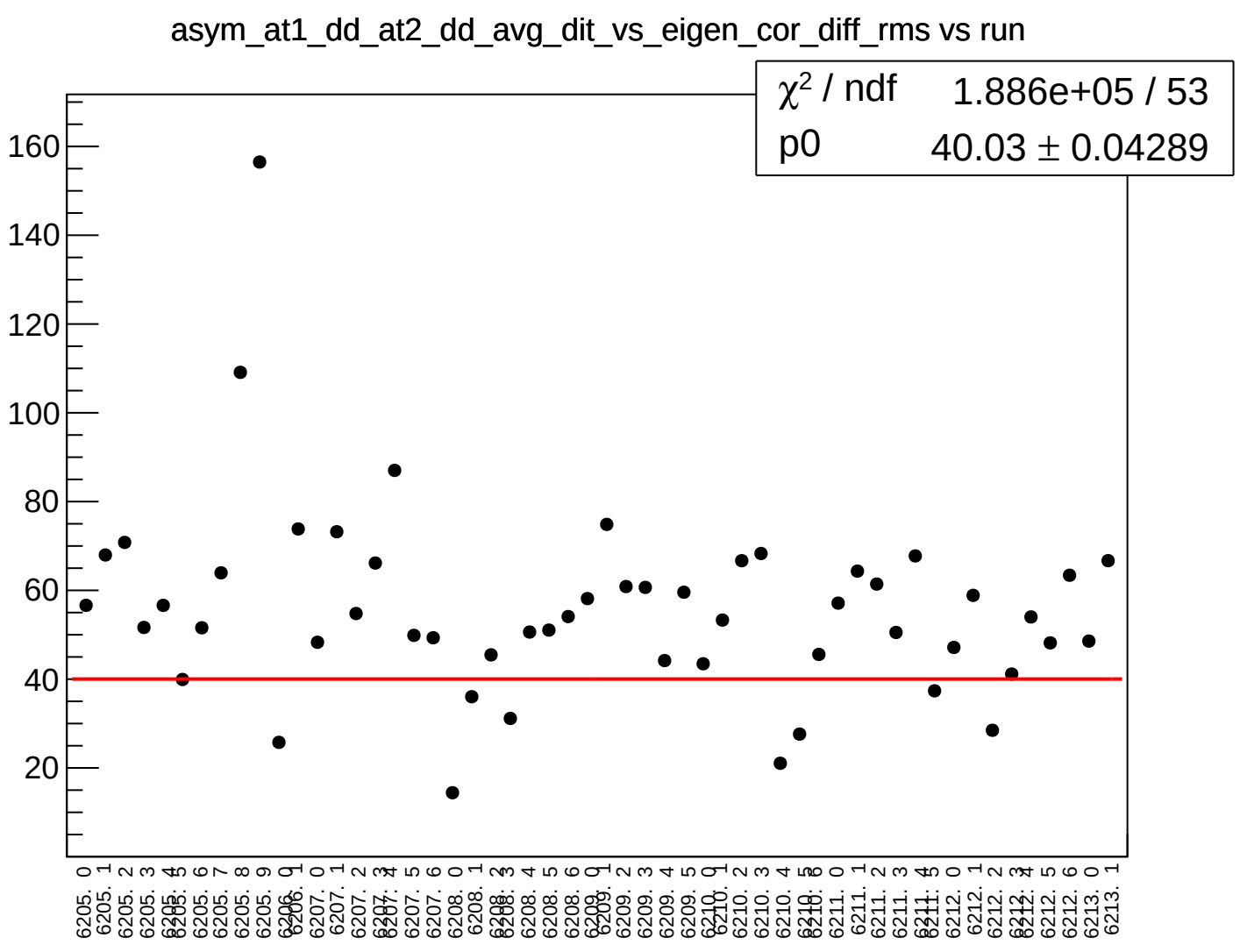

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 54.95 / 53
p0 −0.05145 ± 0.06066
pull
Entries 54
Mean −5.683
Std Dev 0

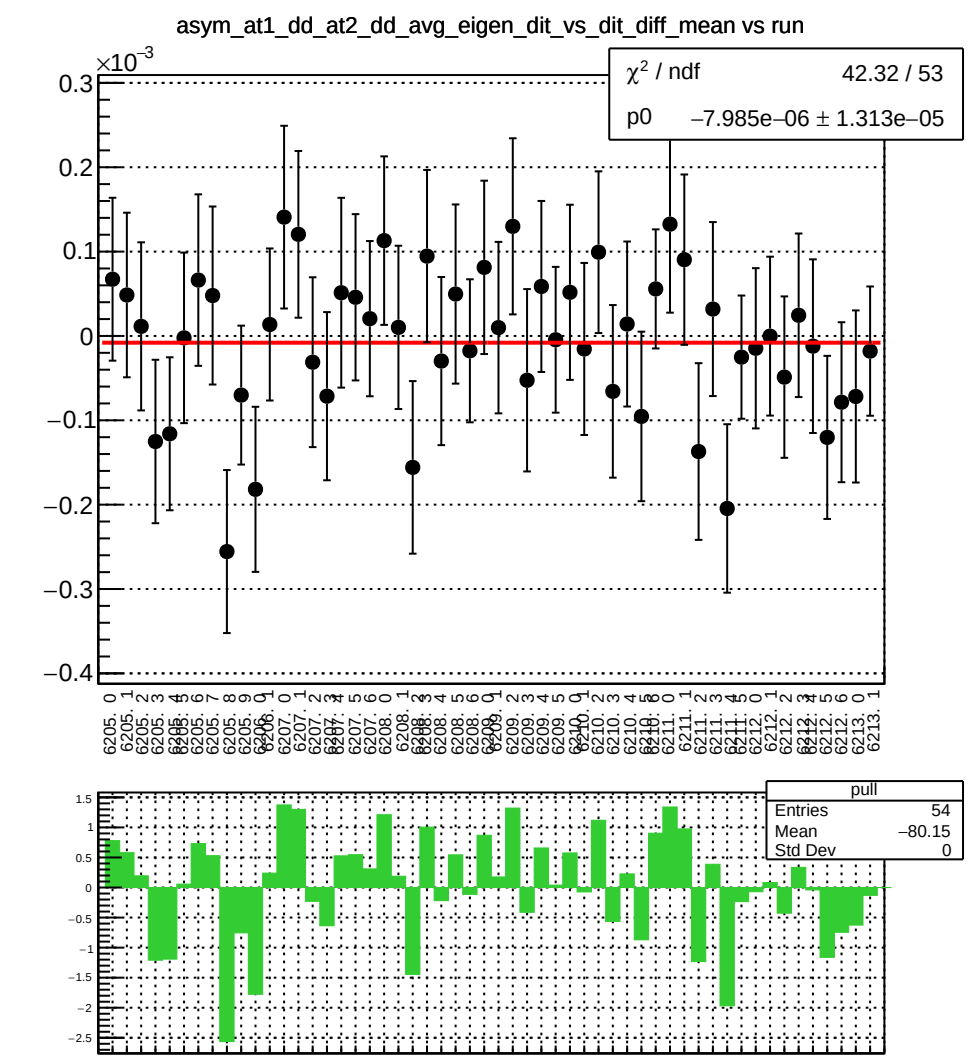

pull1D
Entries 54
Mean −0.02931
Std Dev 1.008

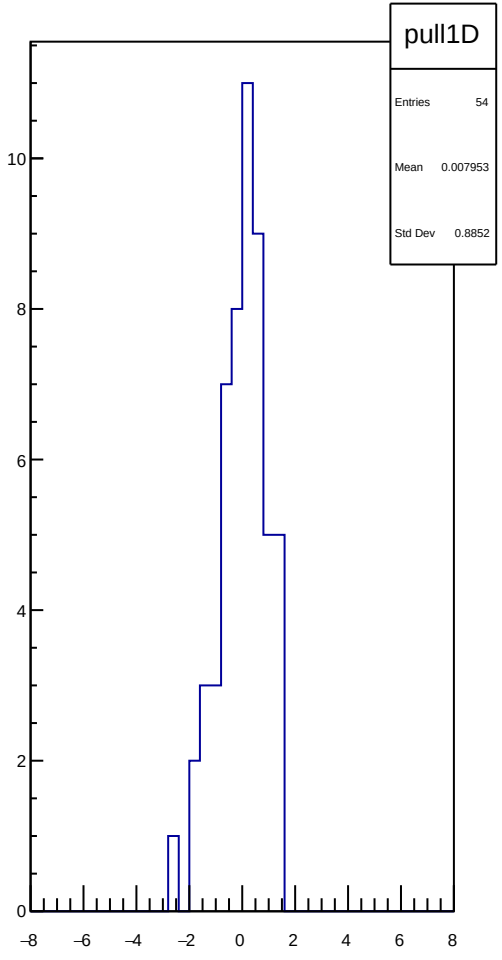

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.886e+05 / 53
p0 40.03 ± 0.04289
160
140
120
100
80
60
40
20
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

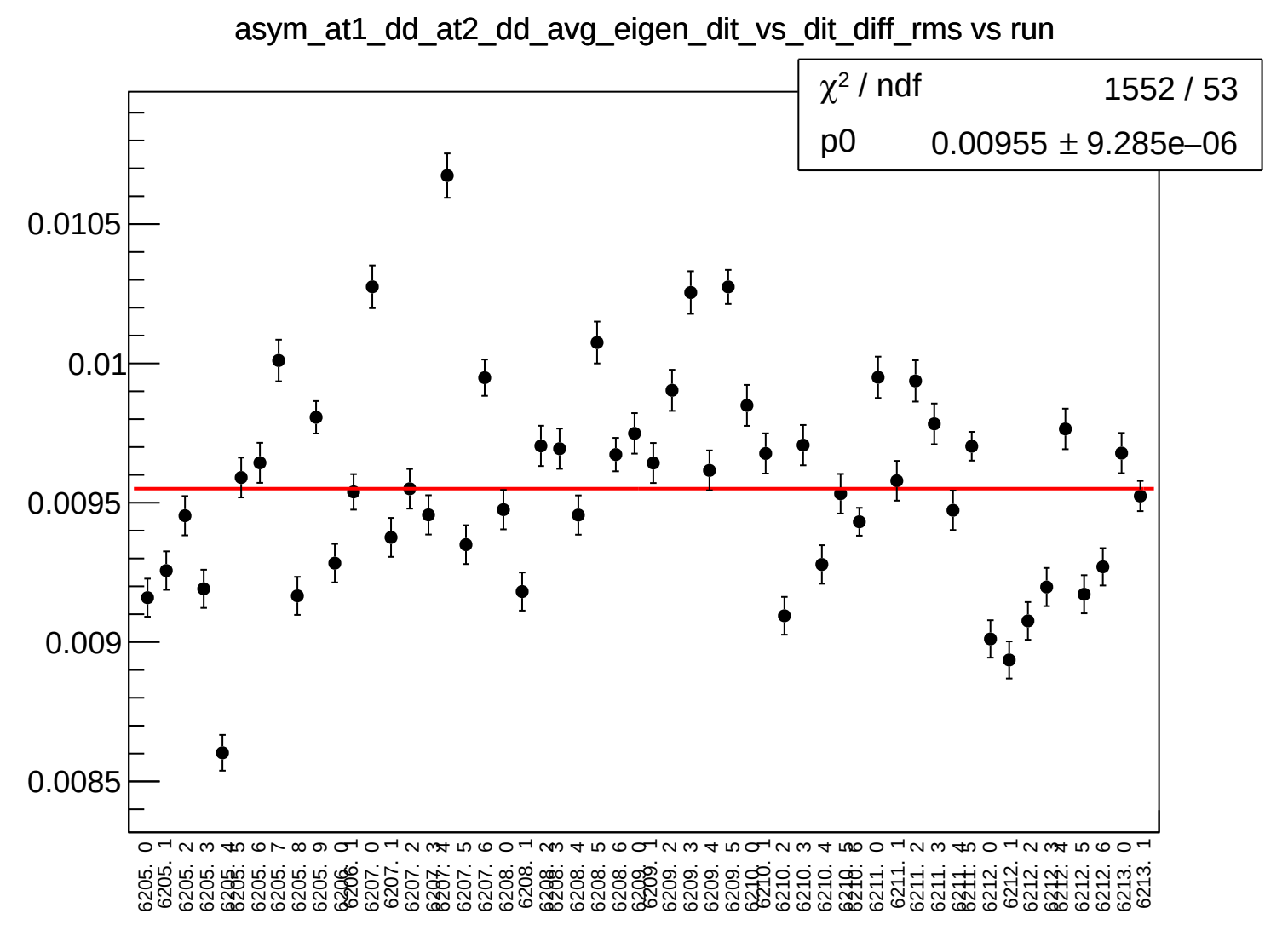

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 54.95 / 53
p0 −0.05145 ± 0.06066
pull
Entries 54
Mean −5.683
Std Dev 0

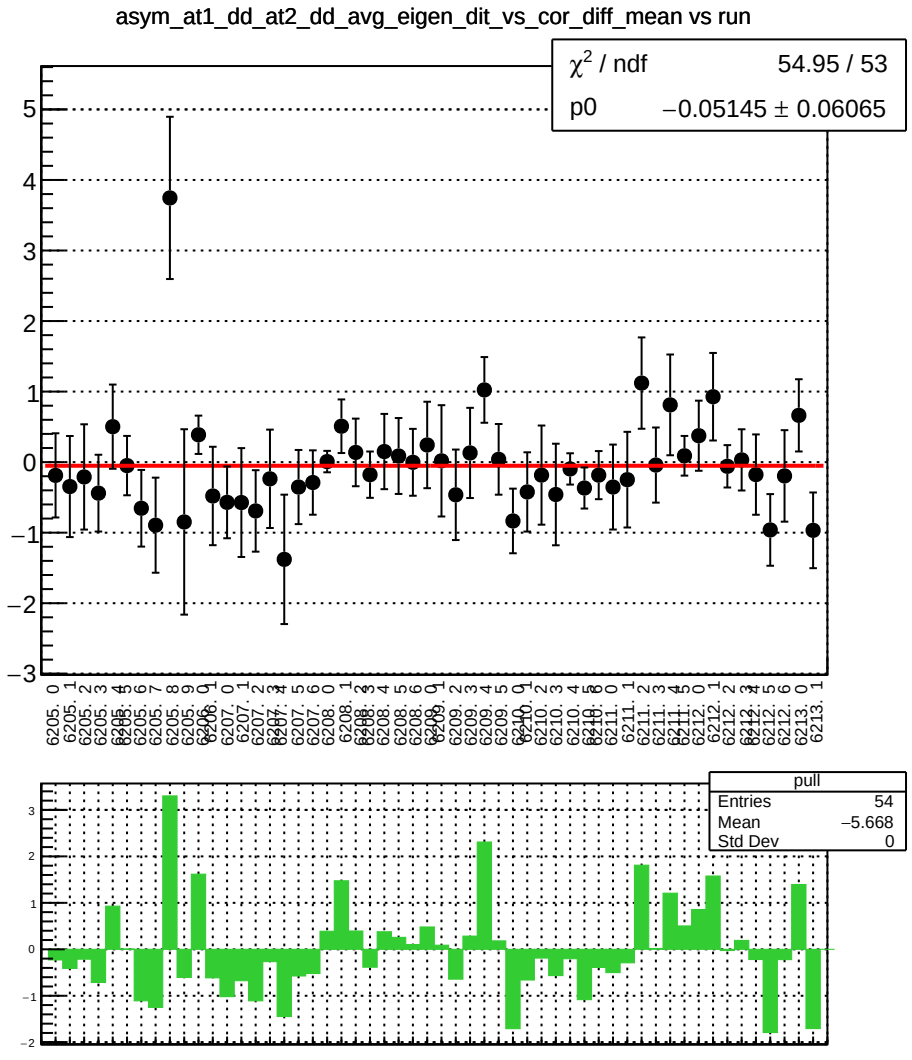

pull1D
Entries 54
Mean −0.02931
Std Dev 1.008

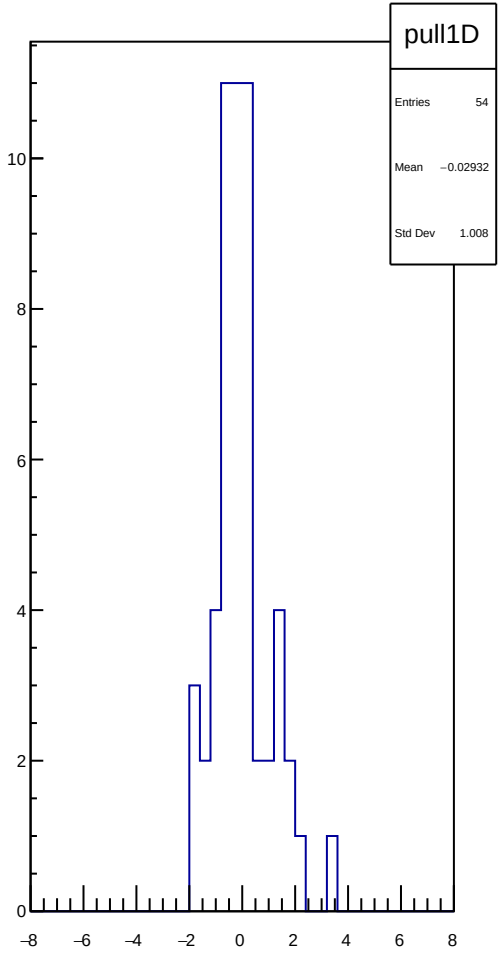

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.886e+05 / 53
p0 40.03 ± 0.04289
160
140
120
100
80
60
40
20
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 1
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

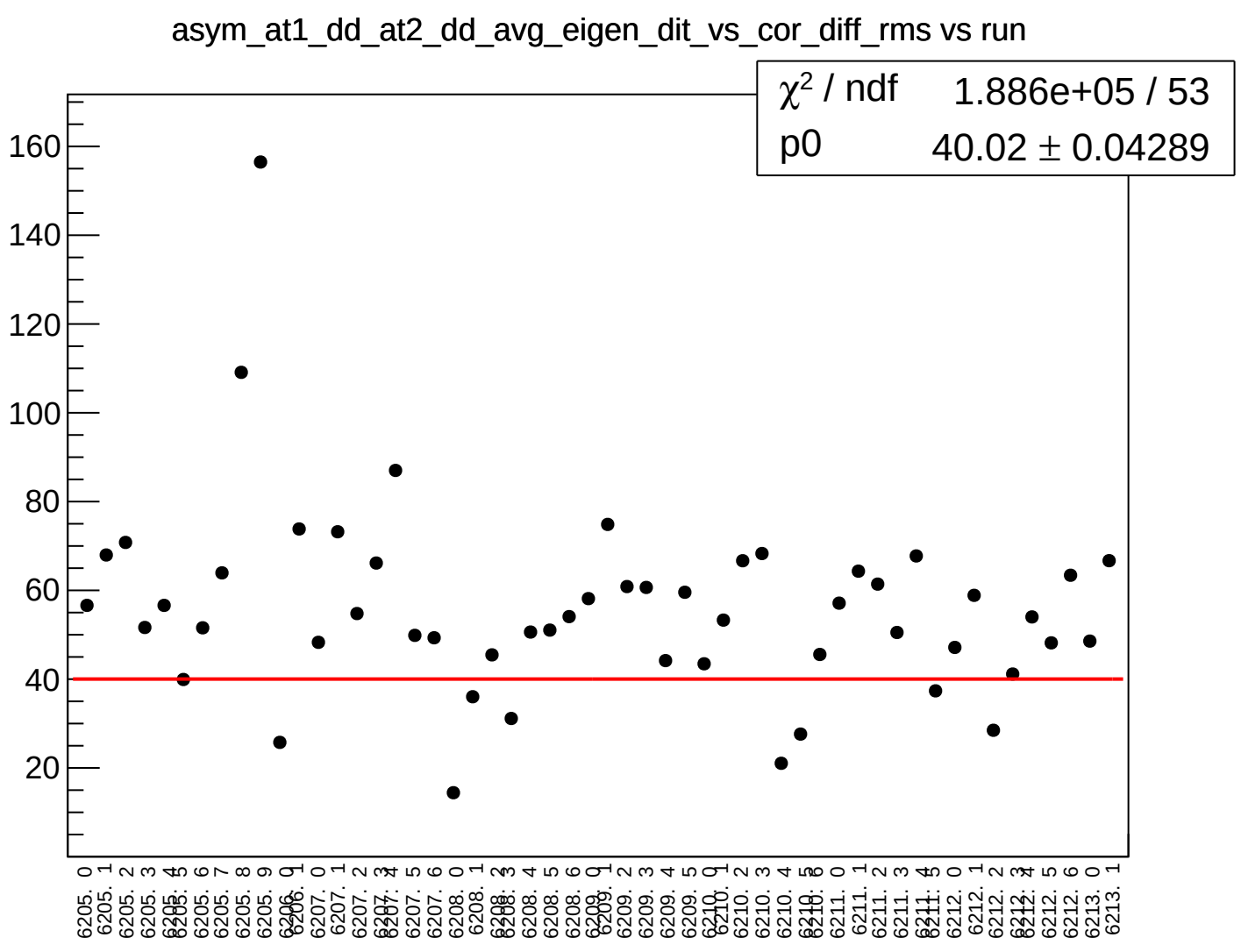

asym_at1_dd_at2_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 42.32 / 53
p0 −7.985e−06 ± 1.313e−05
pull
Entries 54
Mean −80.15
Std Dev 0

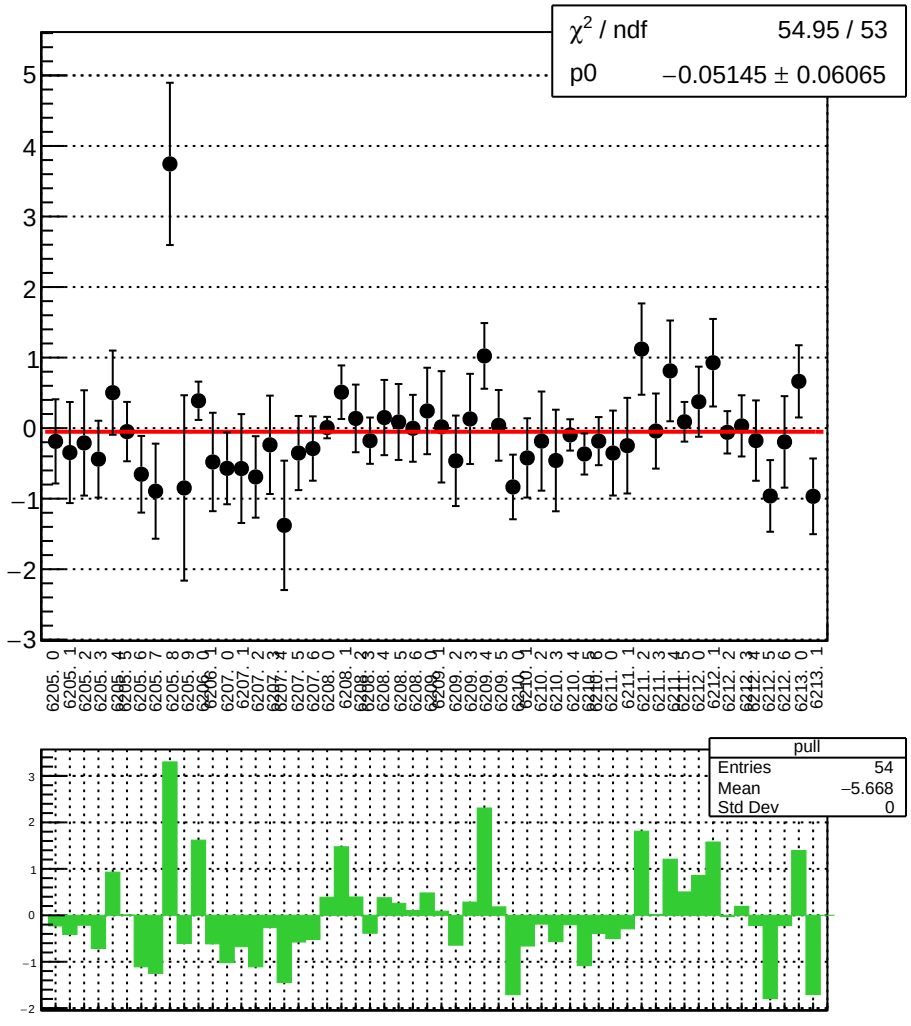

pull1D
Entries 54
Mean 0.007953
Std Dev 0.8852

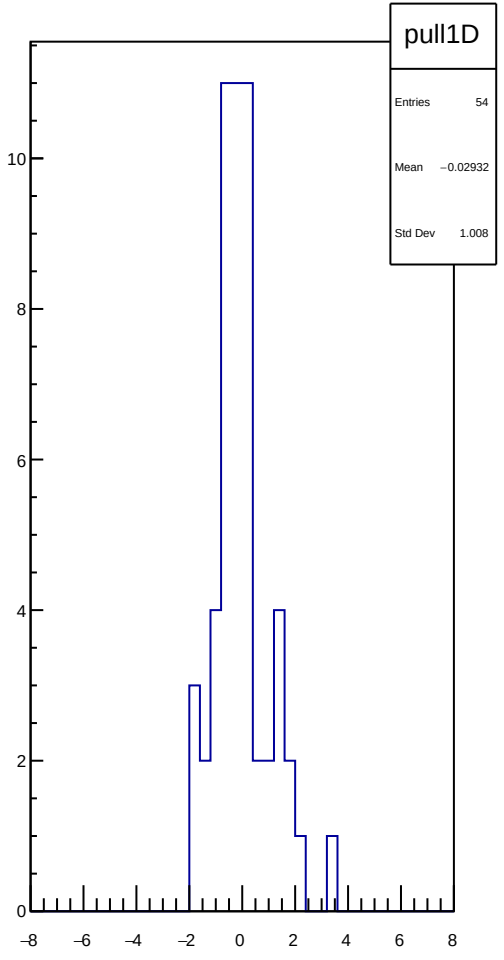

asym_at1_dd_at2_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1552 / 53
p0 0.00955 ± 9.285e−06
0.0105
0.01
0.0095
0.009
0.0085
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

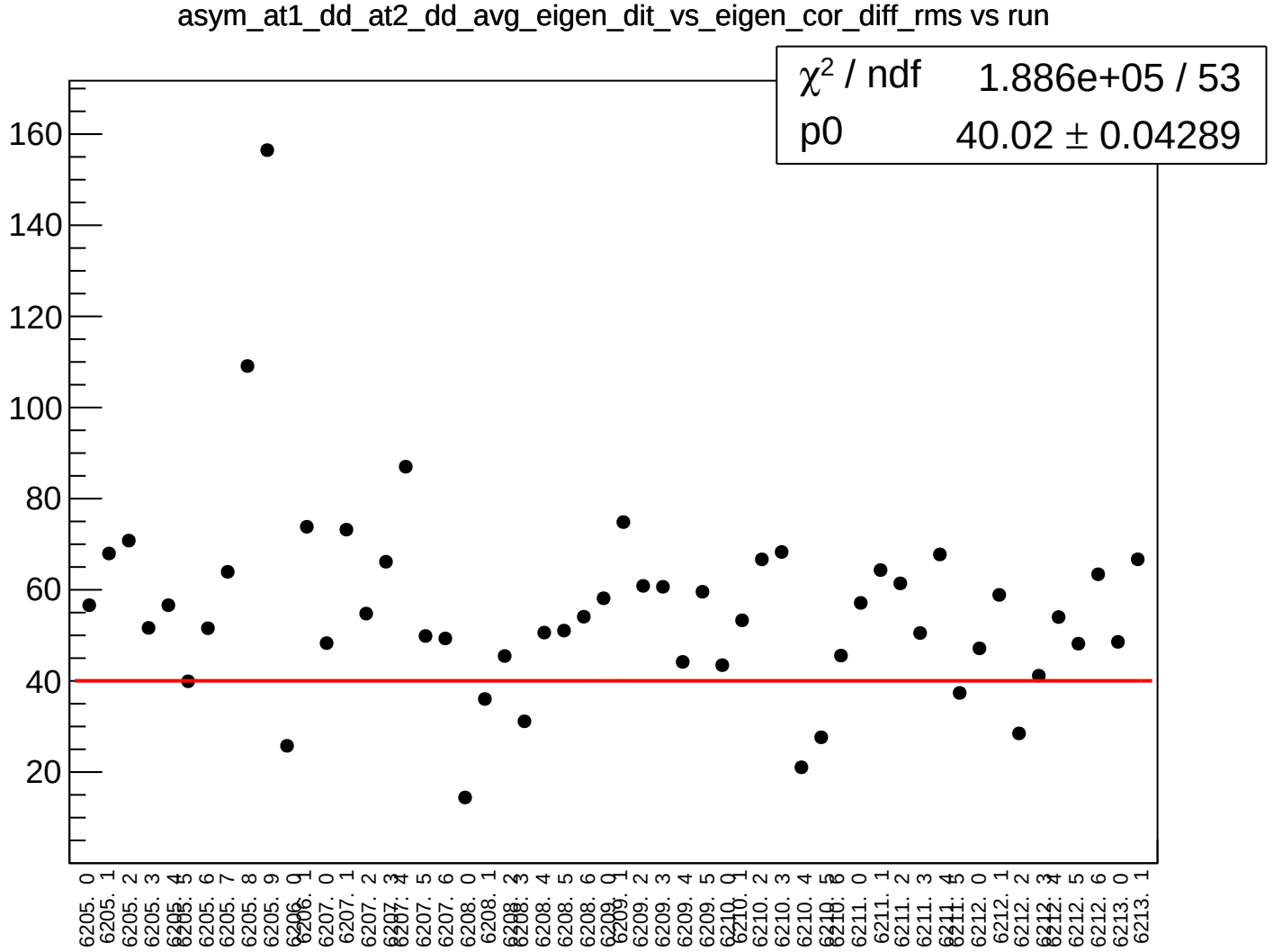

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 54.95 / 53
p0 −0.05145 ± 0.06065
pull
Entries 54
Mean −5.668
Std Dev 0

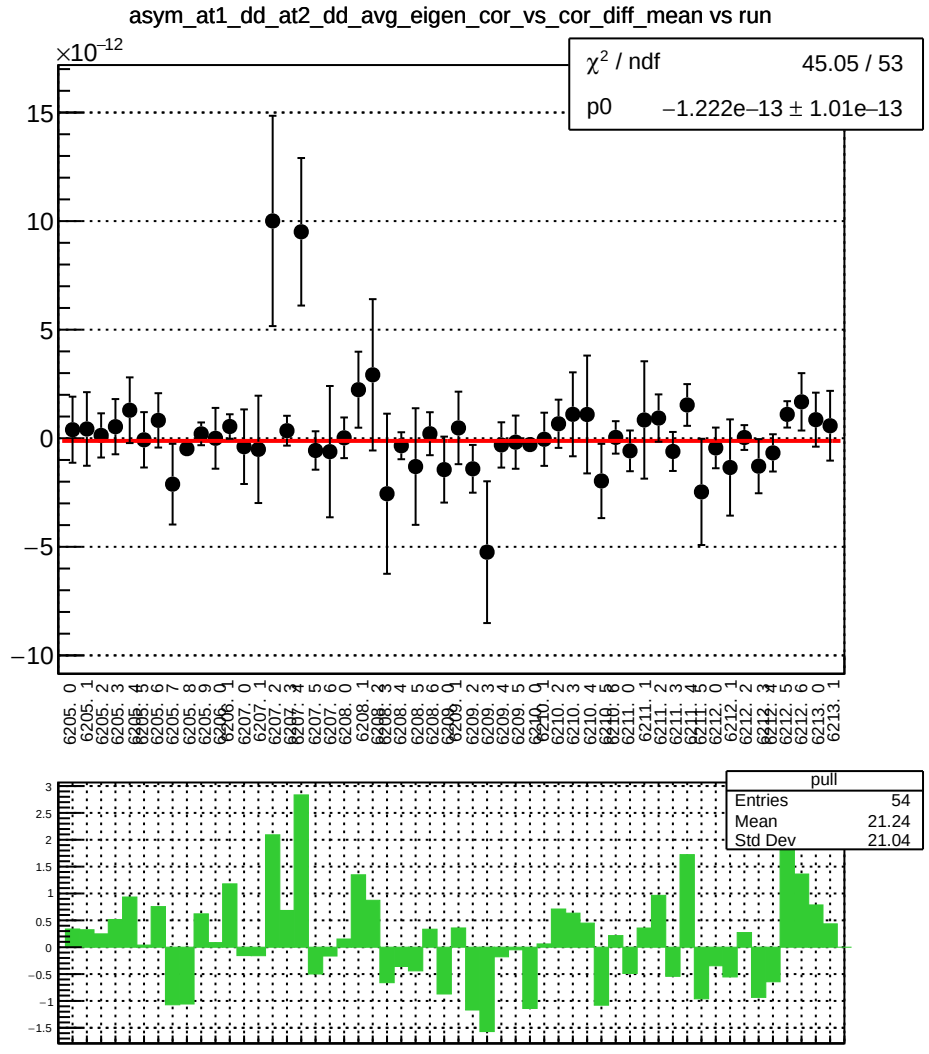

pull1D
Entries 54
Mean −0.02932
Std Dev 1.008

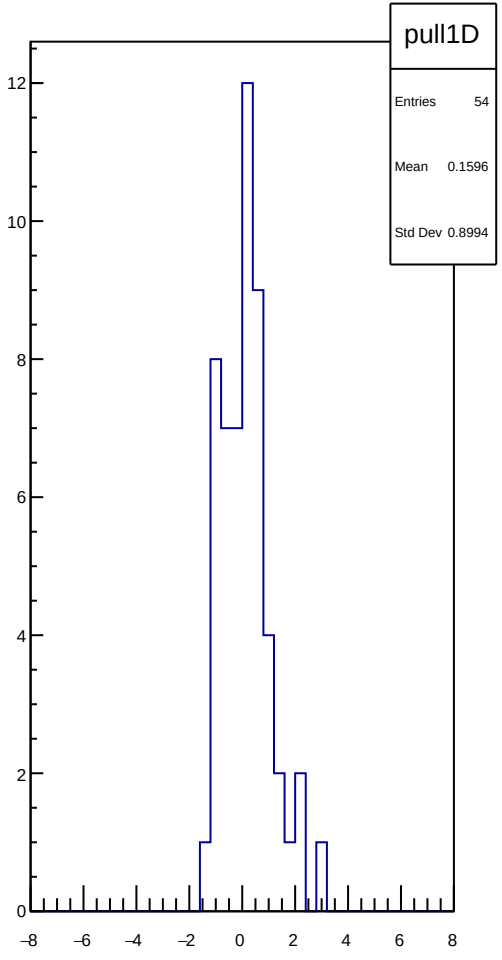

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.886e+05 / 53
p0 40.02 ± 0.04289
160
140
120
100
80
60
40
20
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 1
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

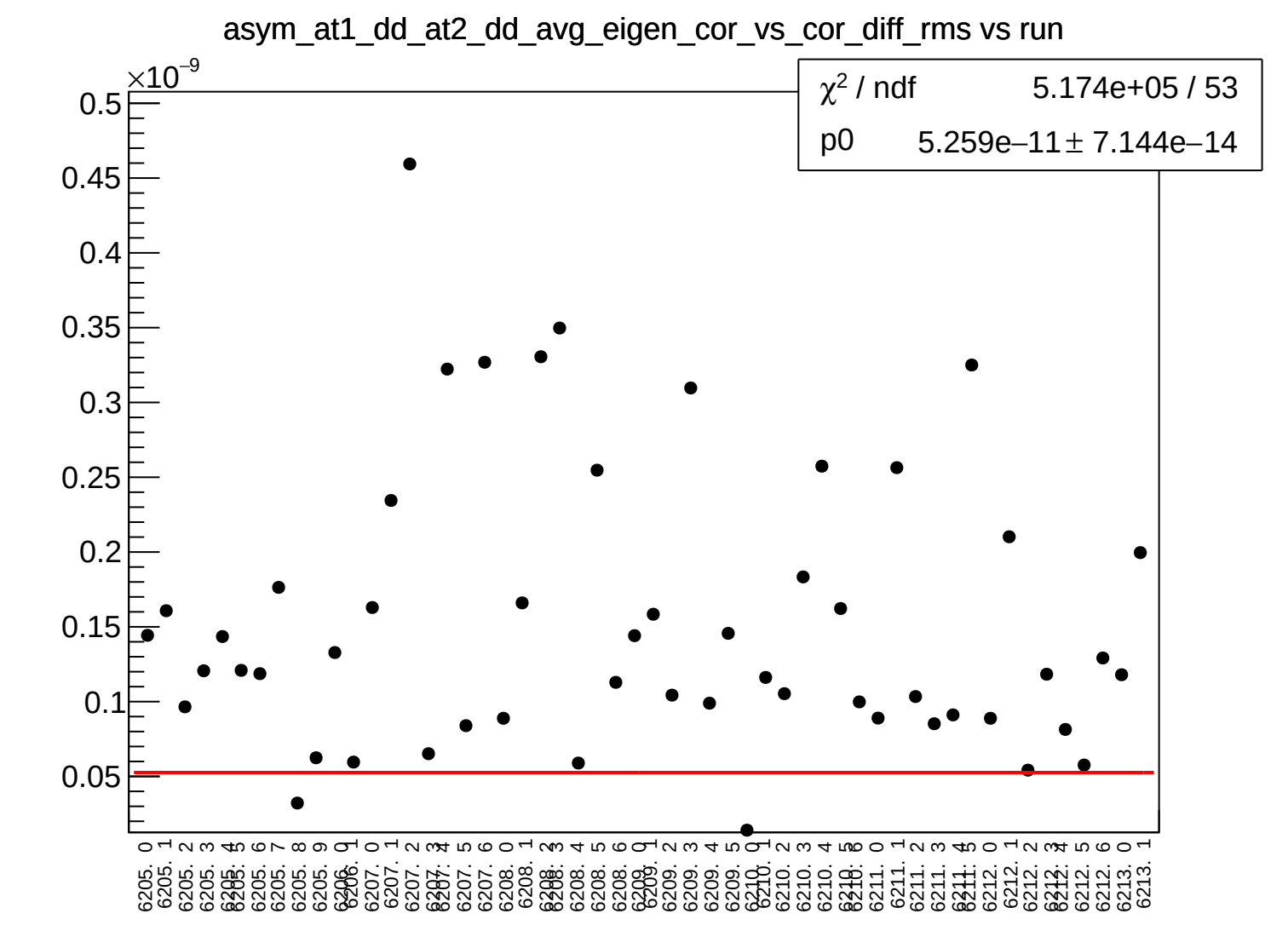

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 54.95 / 53
p0 −0.05145 ± 0.06065
pull
Entries 54
Mean −5.668
Std Dev 0

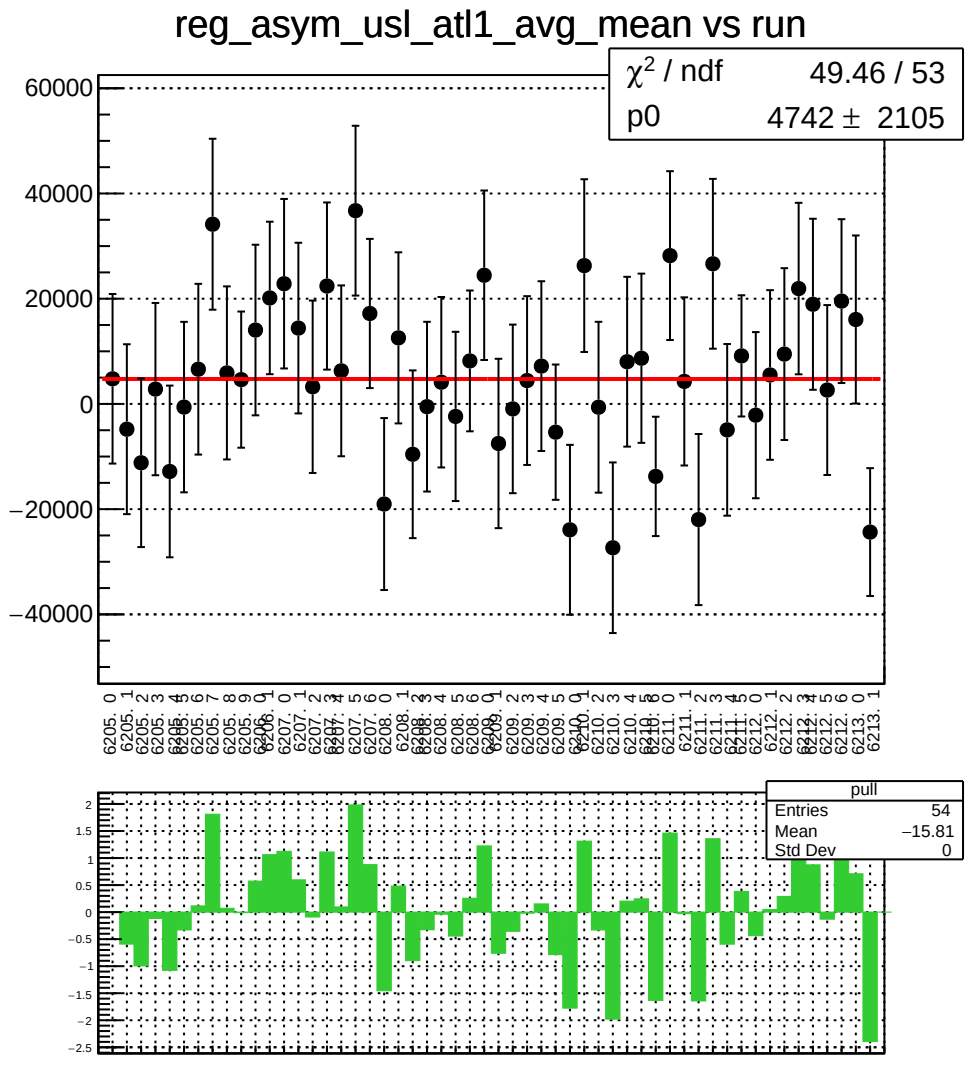

pull1D
Entries 54
Mean −0.02932
Std Dev 1.008

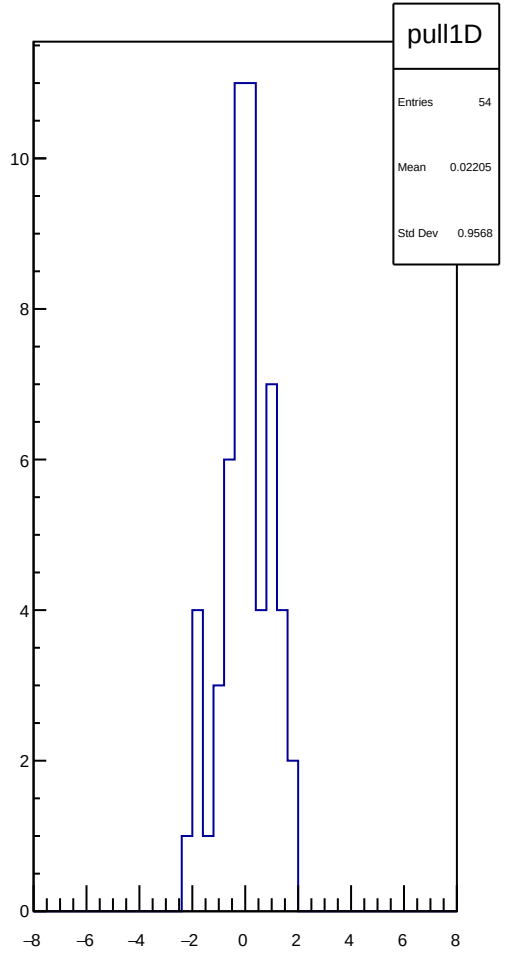

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.886e+05 / 53
p0 40.02 ± 0.04289
160
140
120
100
80
60
40
20
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

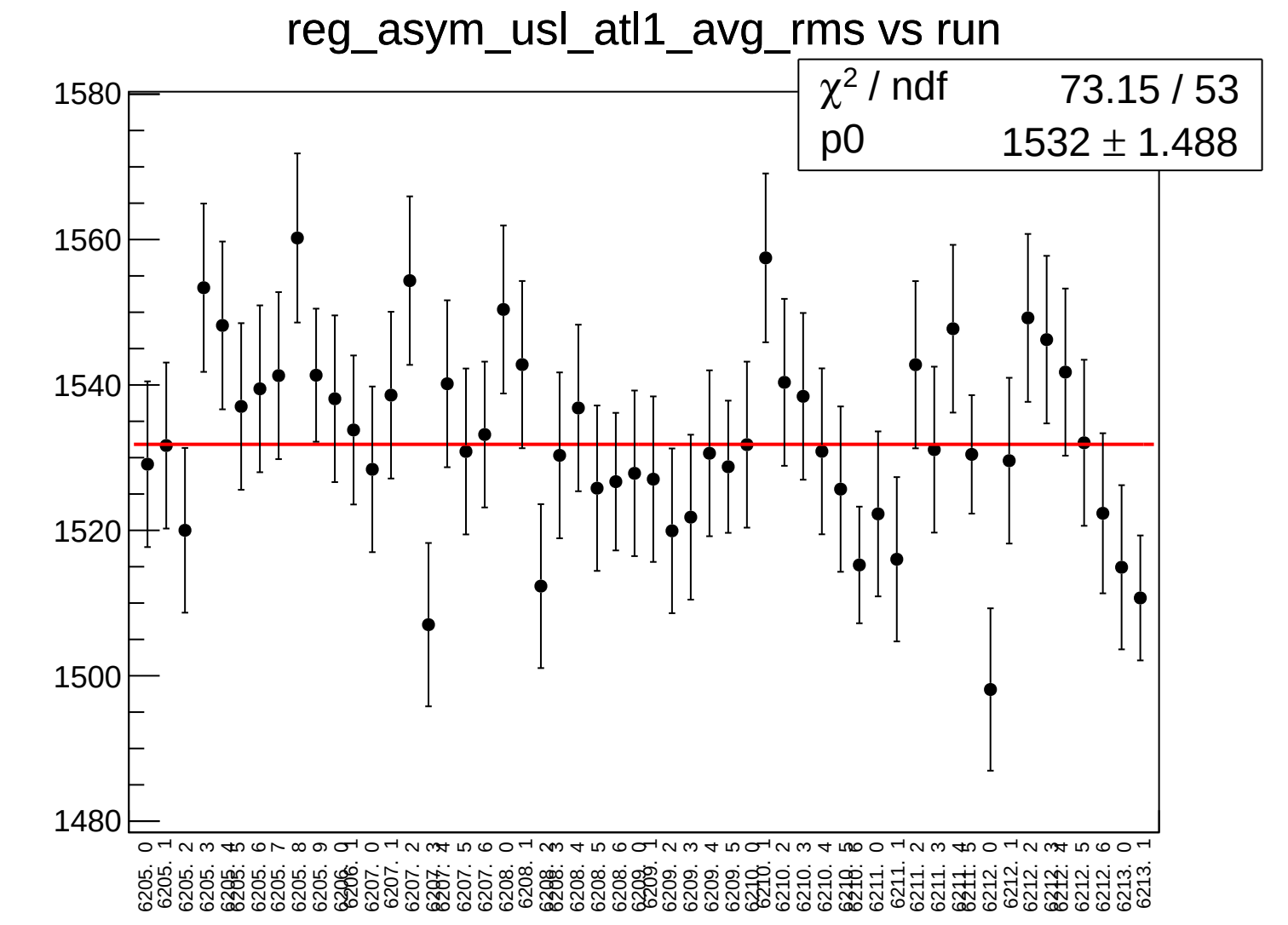

asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 45.05 / 53
p0 −1.222e−13 ± 1.01e−13
pull
Entries 54
Mean 21.24
Std Dev 21.04

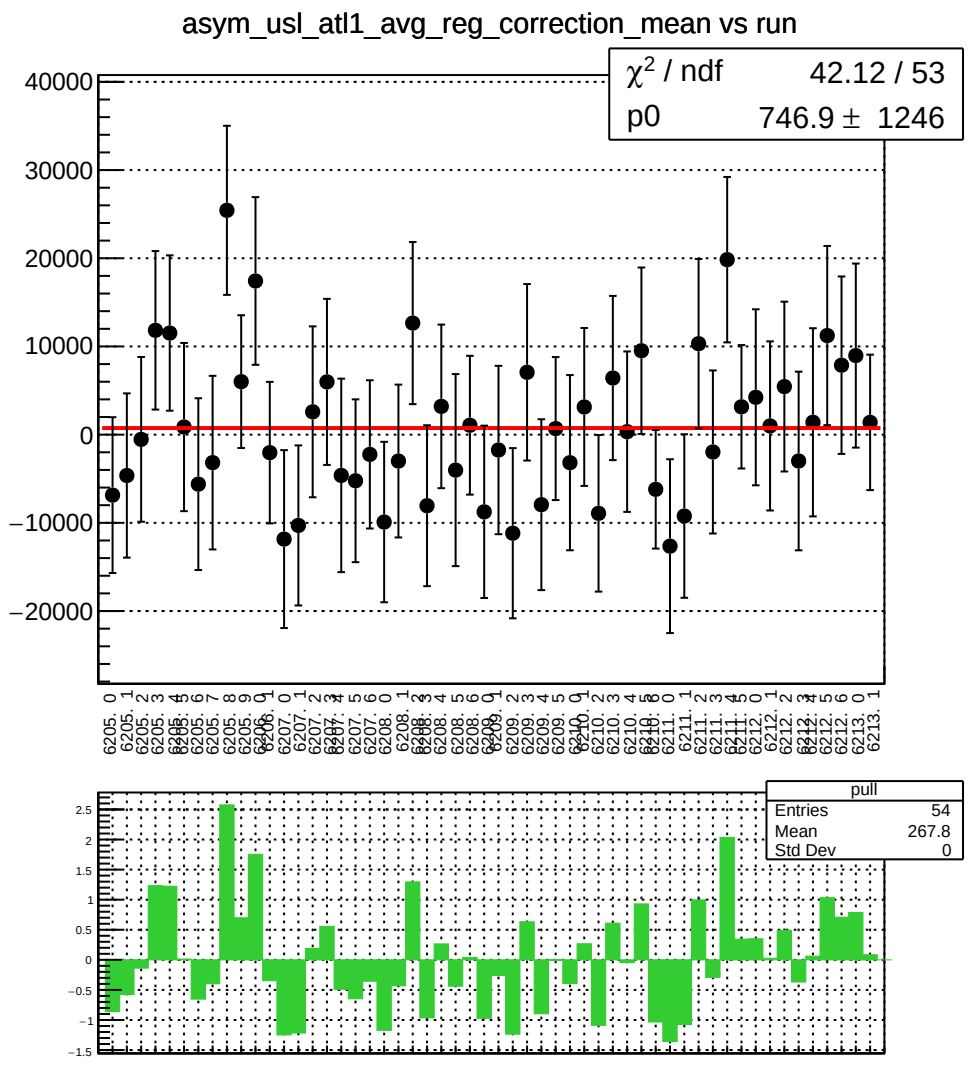

pull1D
Entries 54
Mean 0.1596
Std Dev 0.8994

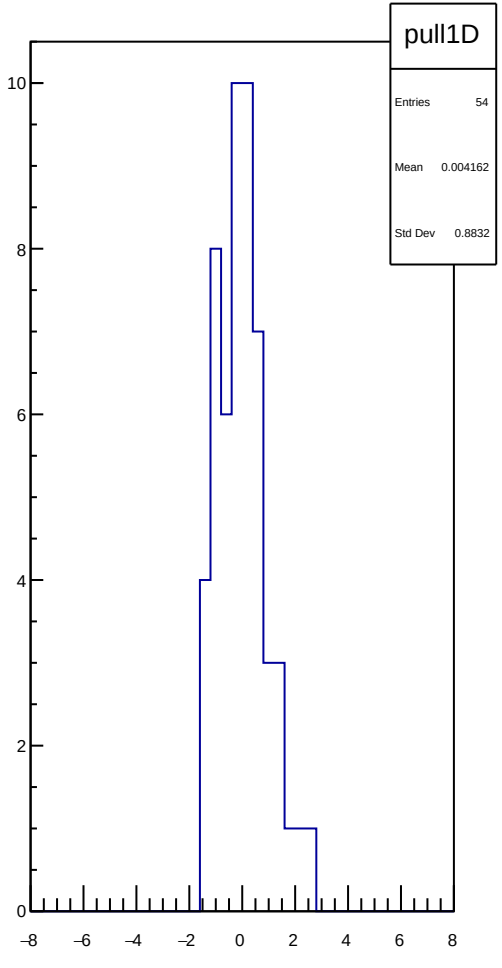

asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.174e+05 / 53
p0 5.259e−11 ± 7.144e−14
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

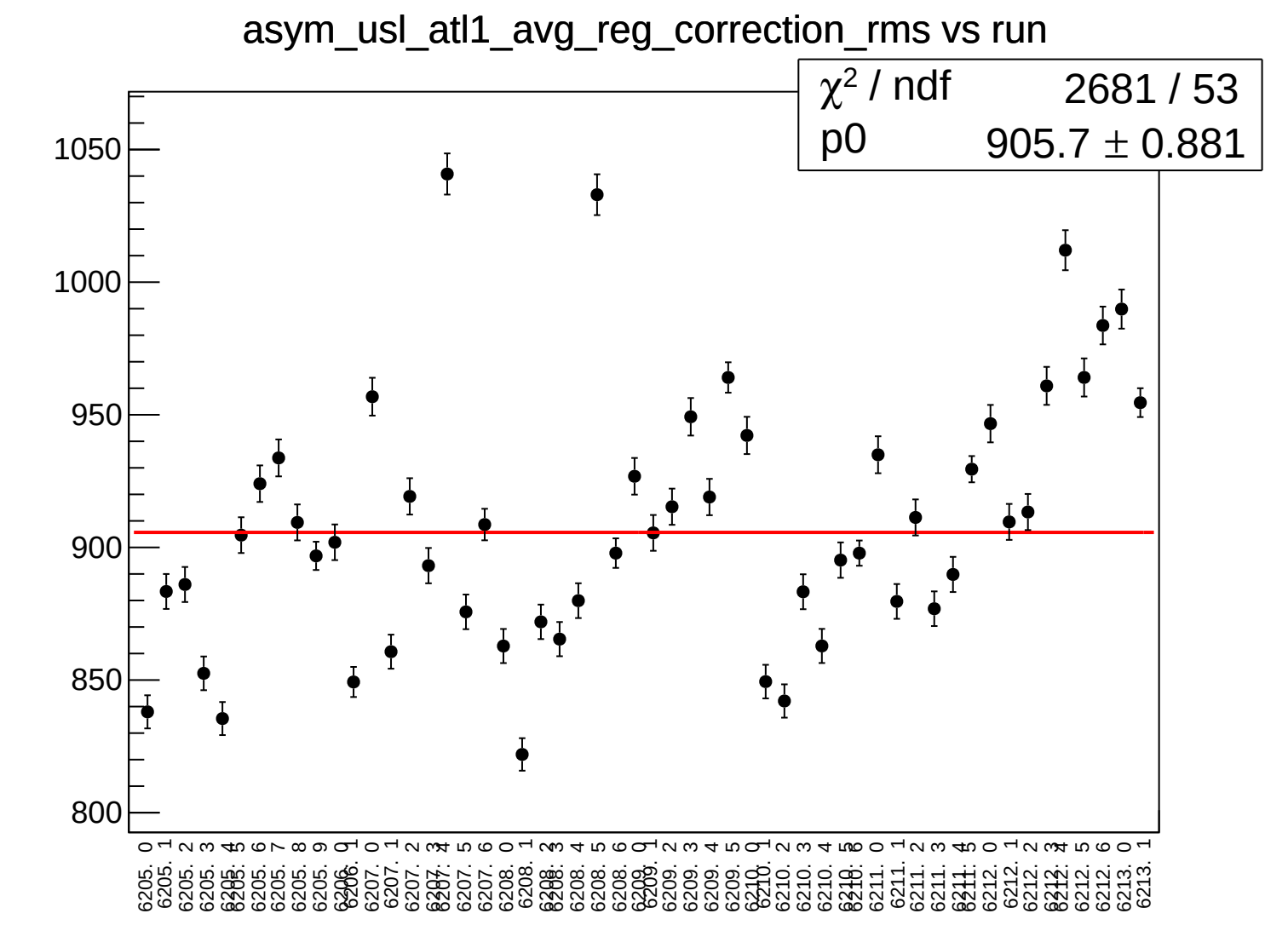

reg_asym_usl_atl1_avg_mean vs run
χ² / ndf 49.46 / 53
p0 4742 ± 2105
60000
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −15.81
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

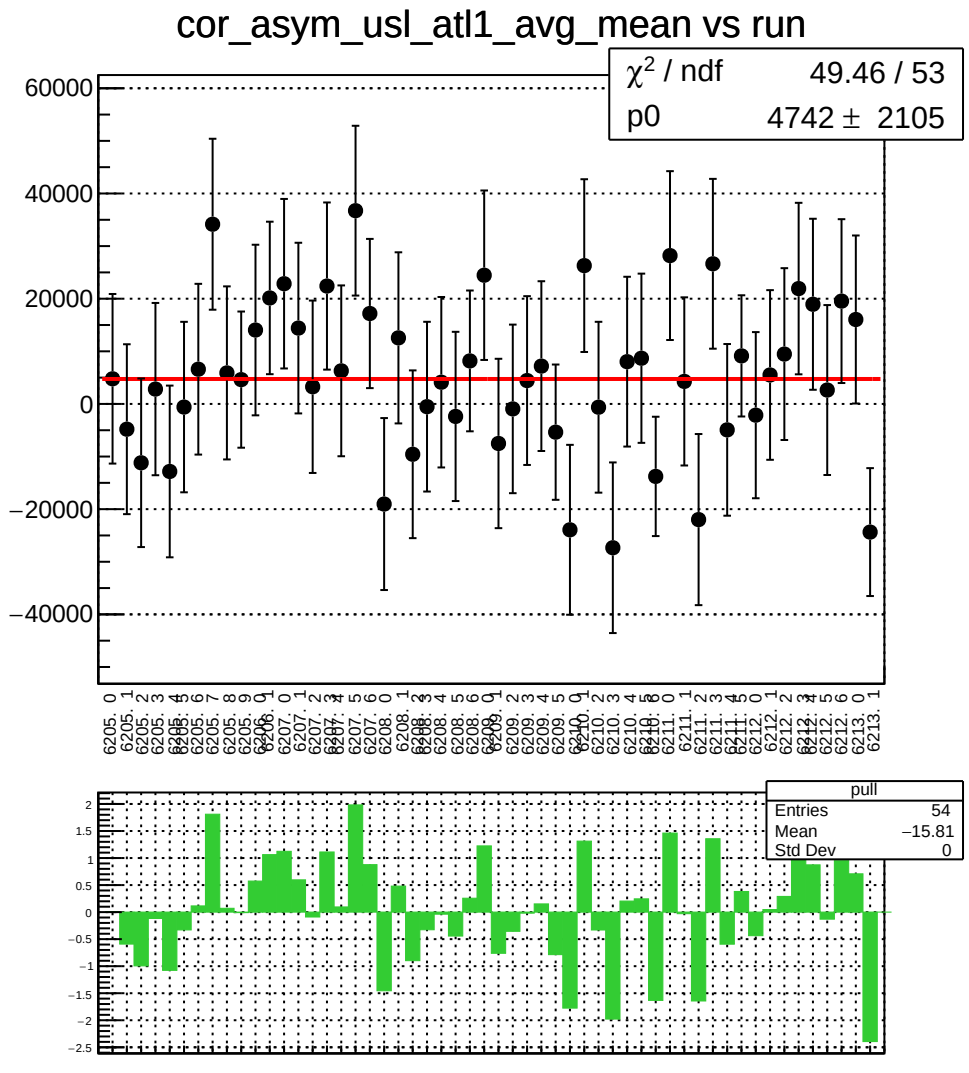

pull1D
Entries 54
Mean 0.02205
Std Dev 0.9568
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

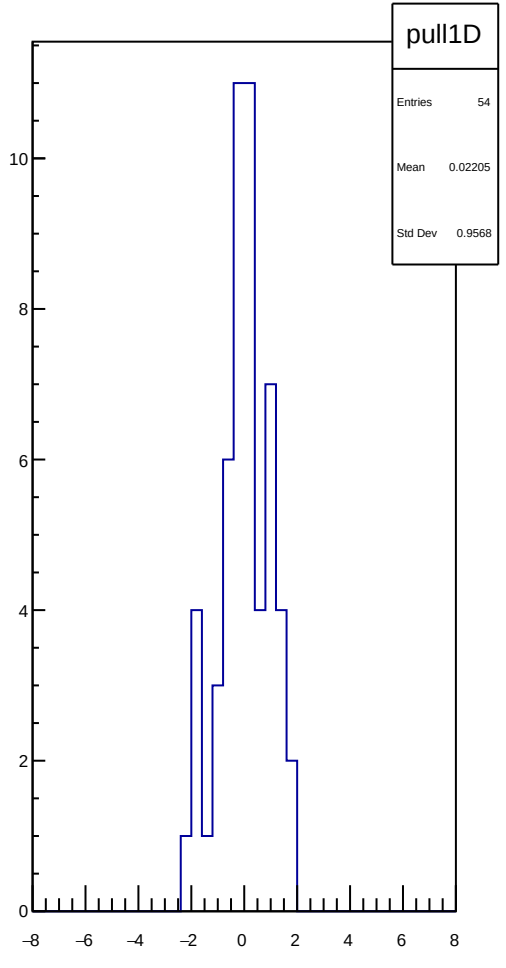

reg_asym_usl_atl1_avg_rms vs run
χ² / ndf 73.15 / 53
p0 1532 ± 1.488
1580
1560
1540
1520
1500
1480
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

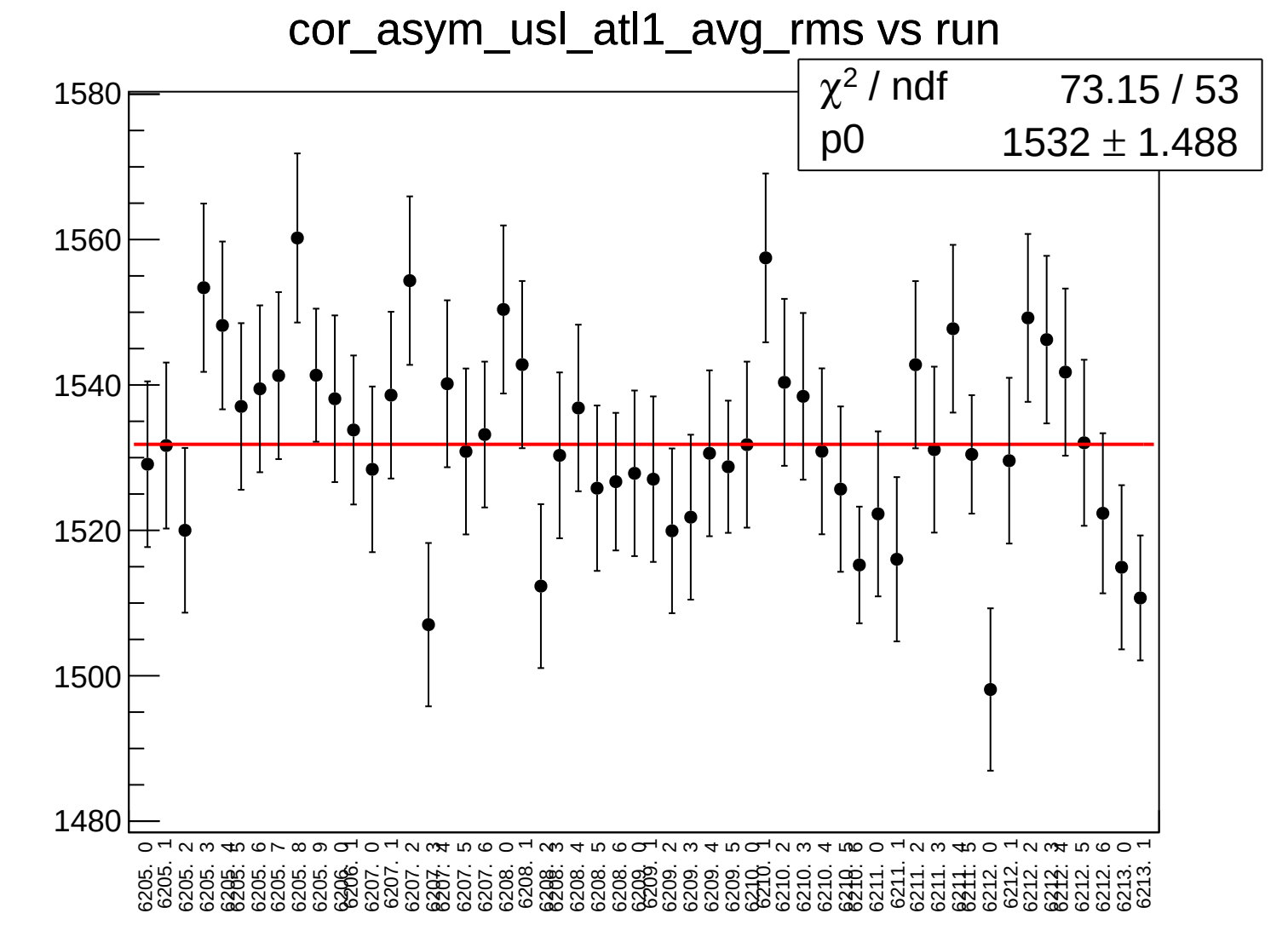

asym_usl_atl1_avg_reg_correction_mean vs run
χ² / ndf 42.12 / 53
p0 746.9 ± 1246
pull
Entries 54
Mean 267.8
Std Dev 0


pull1D
Entries 54
Mean 0.004162
Std Dev 0.8832


asym_usl_atl1_avg_reg_correction_rms vs run
χ² / ndf 2681 / 53
p0 905.7 ± 0.881
1050
1000
950
900
850
800
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


cor_asym_usl_atl1_avg_mean vs run
χ² / ndf 49.46 / 53
p0 4742 ± 2105
60000
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −15.81
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 54
Mean 0.02205
Std Dev 0.9568
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 73.15 / 53
p0 1532 ± 1.488
1580
1560
1540
1520
1500
1480
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
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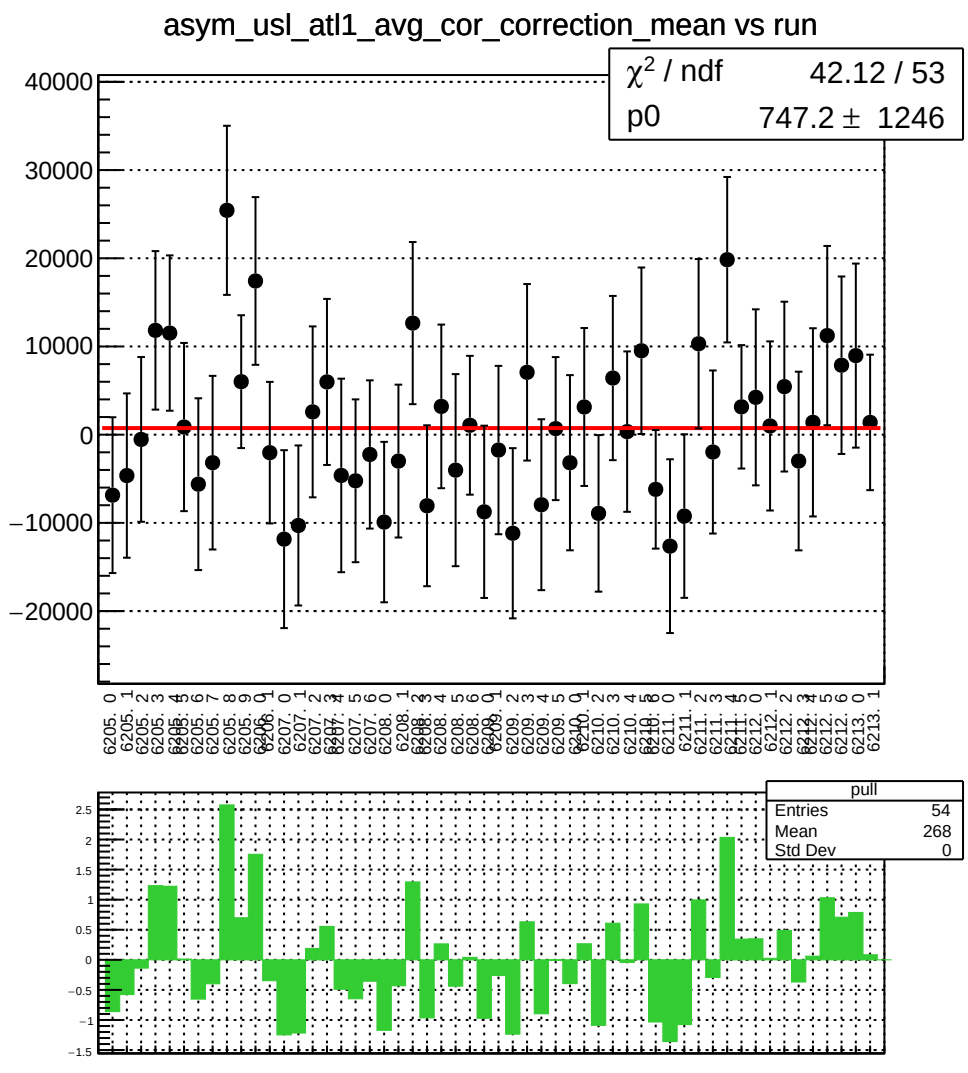
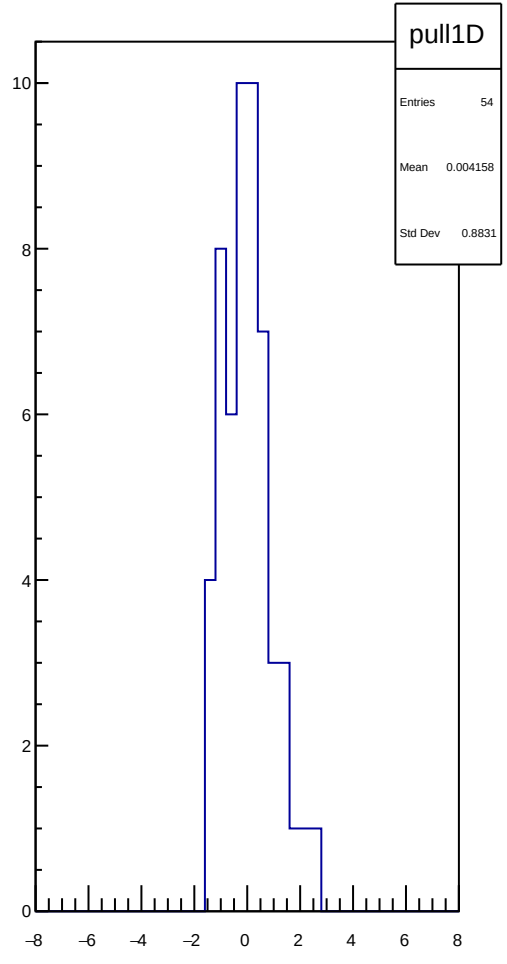
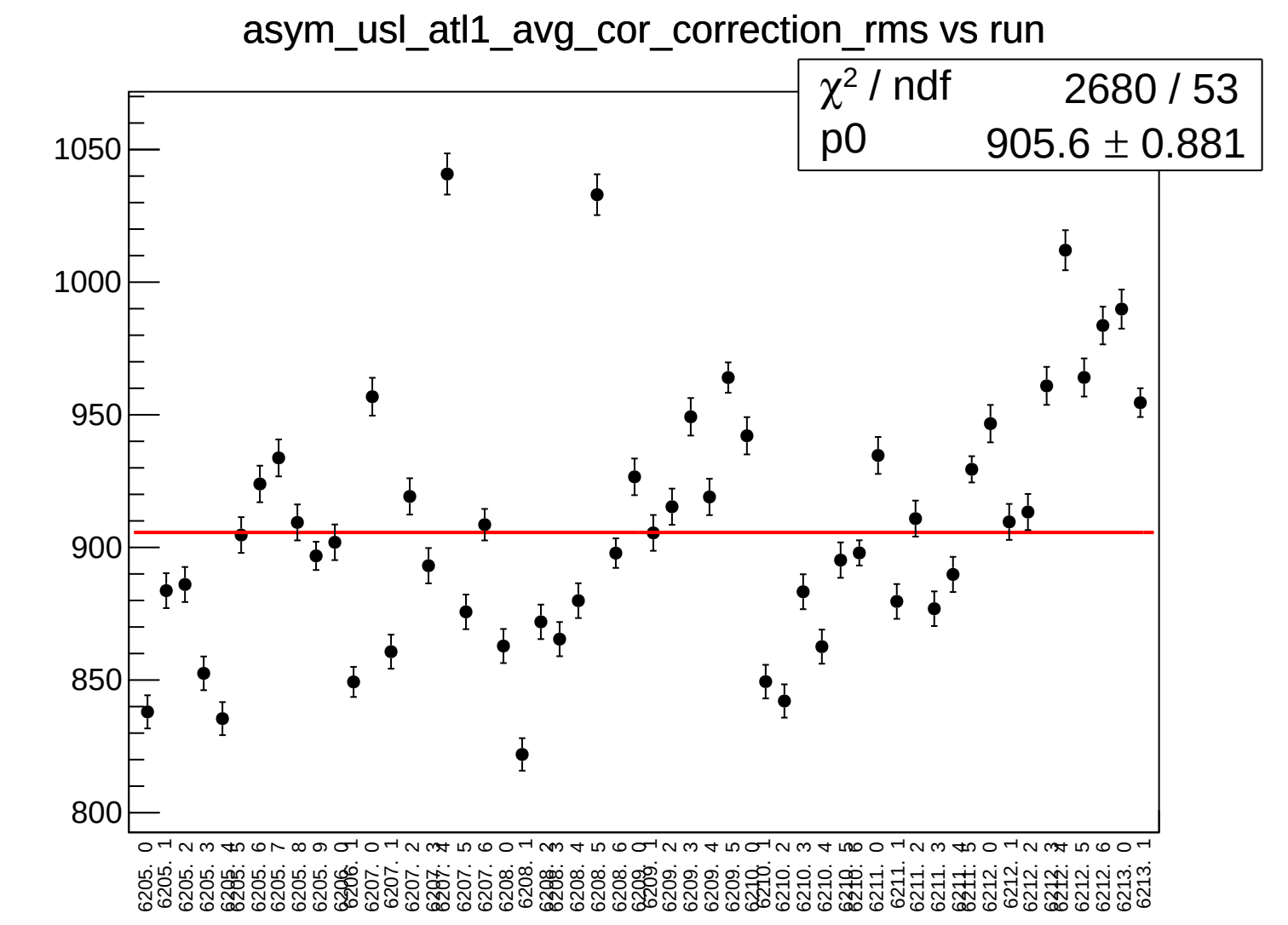
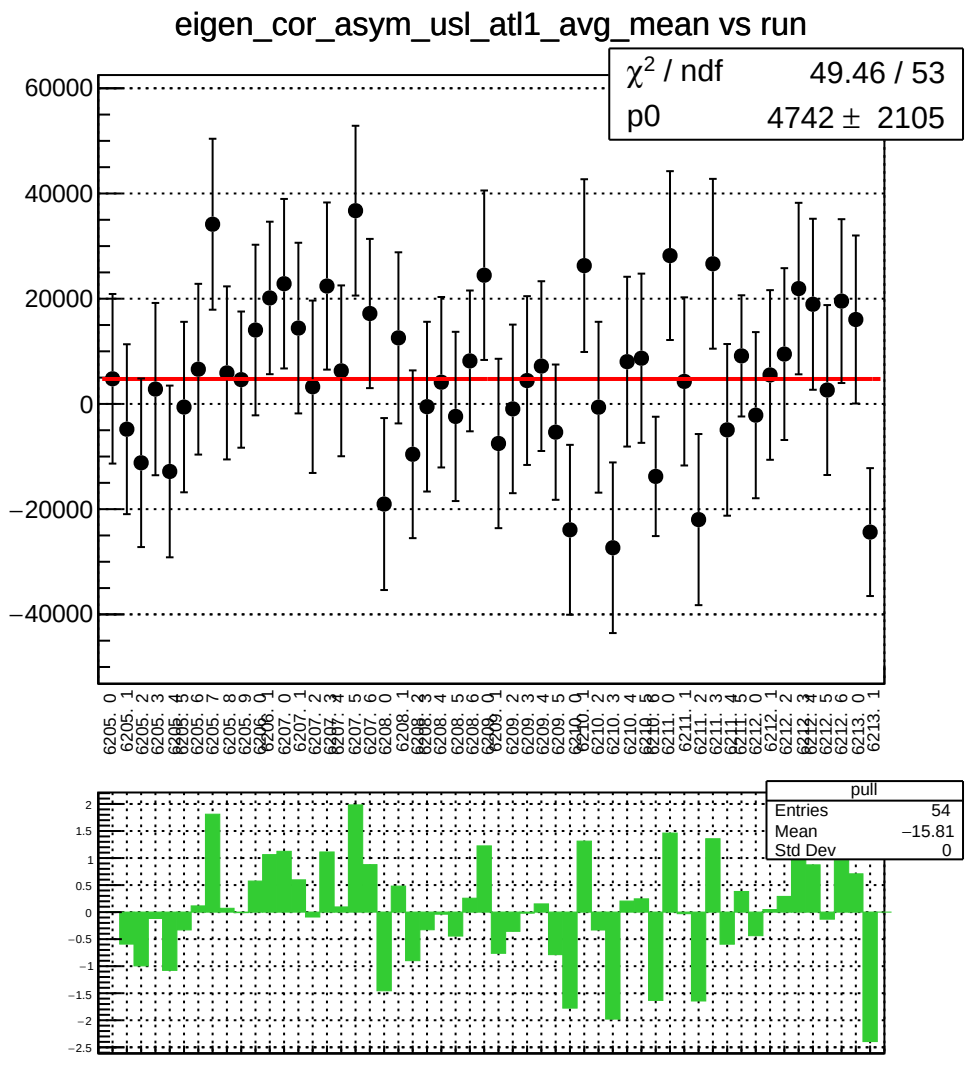
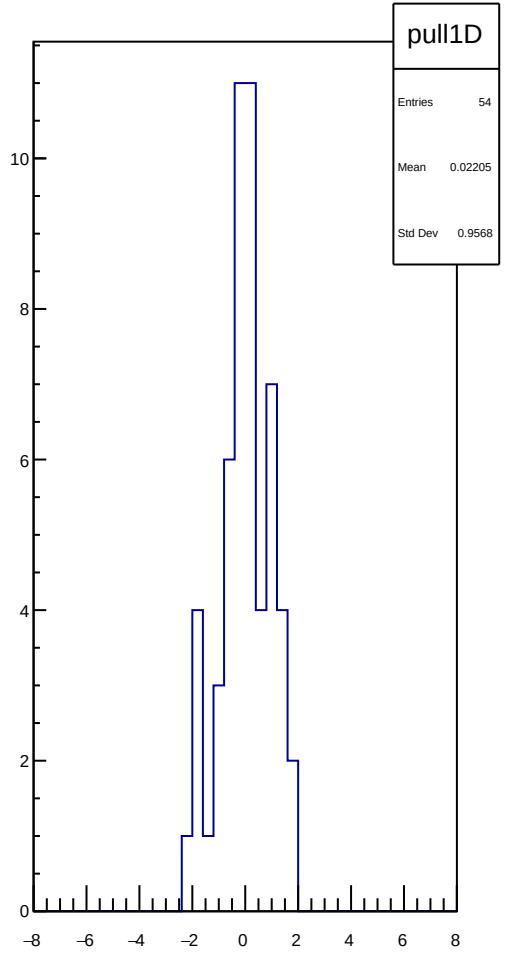
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

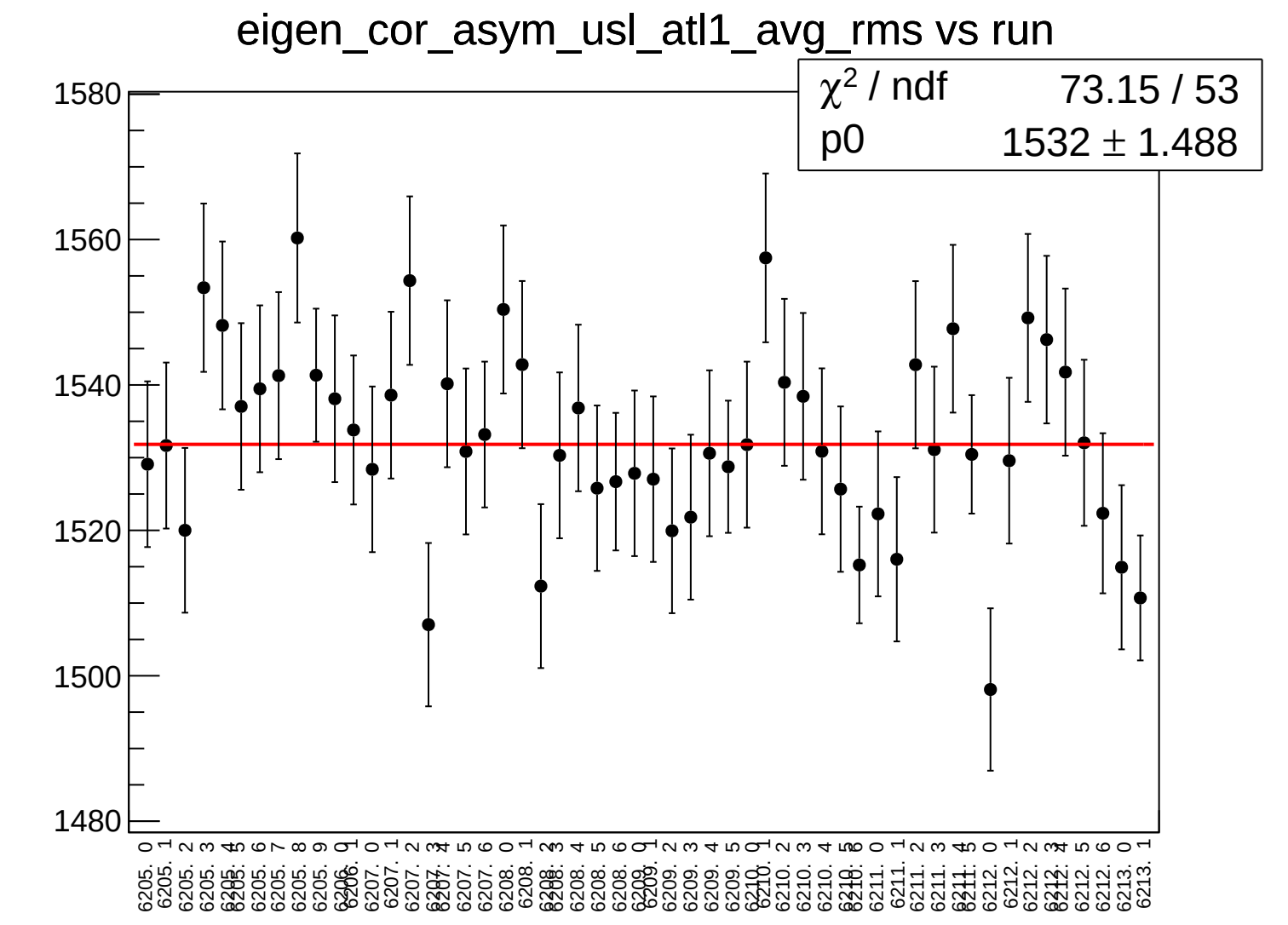

asym_usl_atl1_avg_cor_correction_mean vs run
χ² / ndf 42.12 / 53
p0 747.2 ± 1246
pull
Entries 54
Mean 268
Std Dev 0

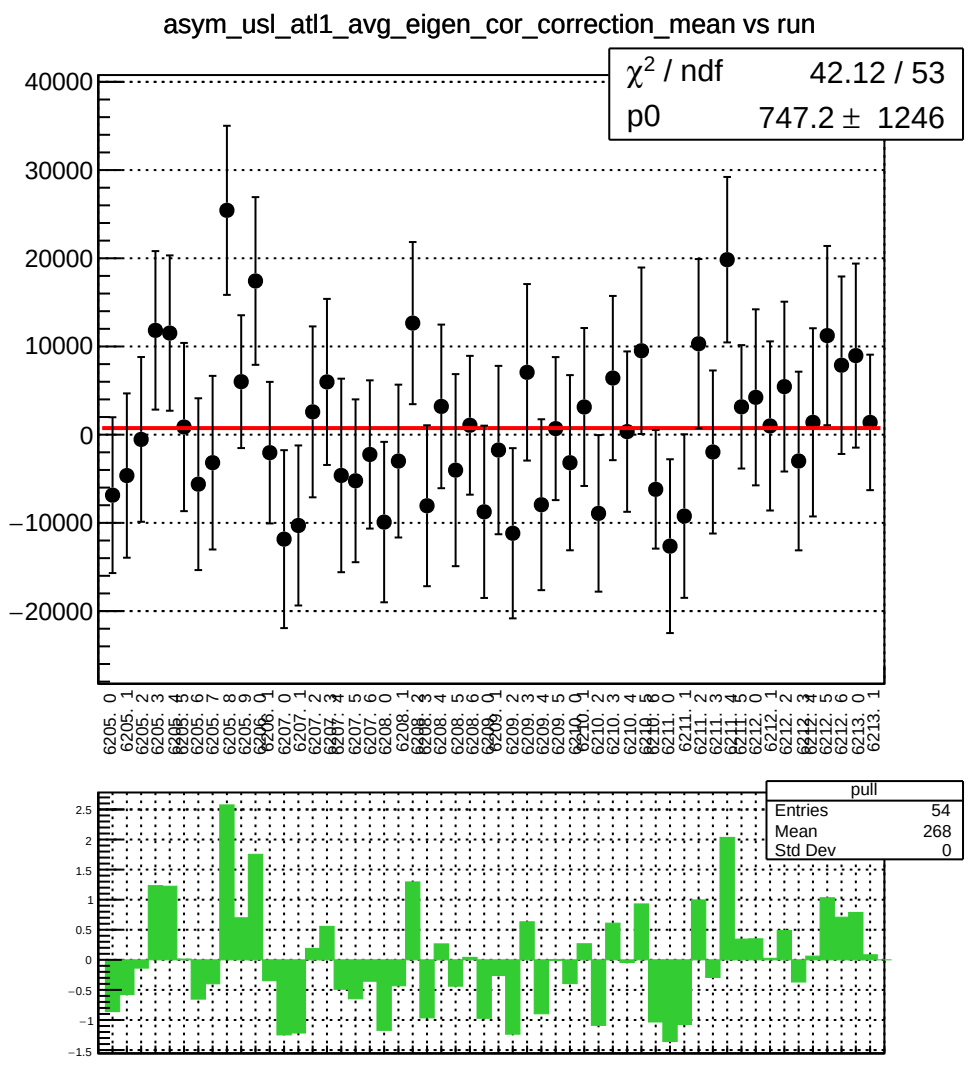

pull1D
Entries 54
Mean 0.004158
Std Dev 0.8831

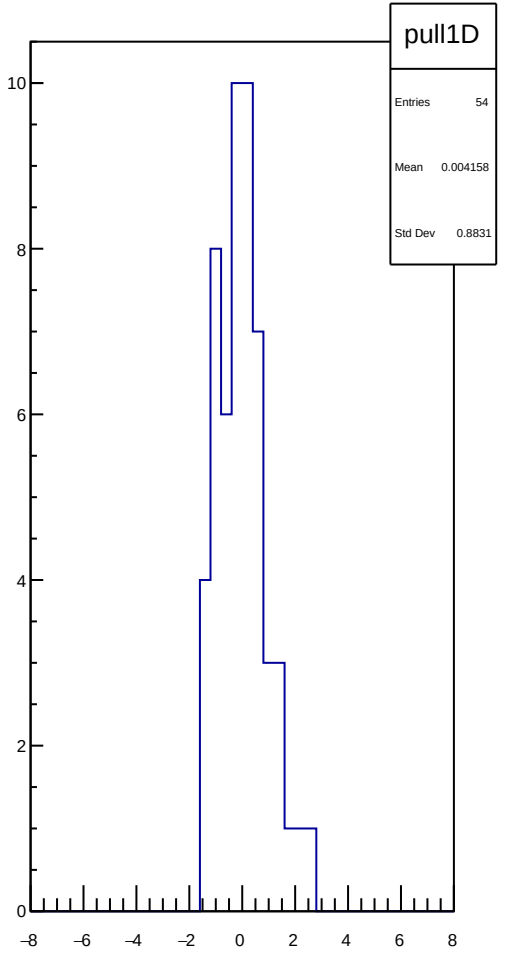

asym_usl_atl1_avg_cor_correction_rms vs run
χ² / ndf 2680 / 53
p0 905.6 ± 0.881
1050
1000
950
900
850
800
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

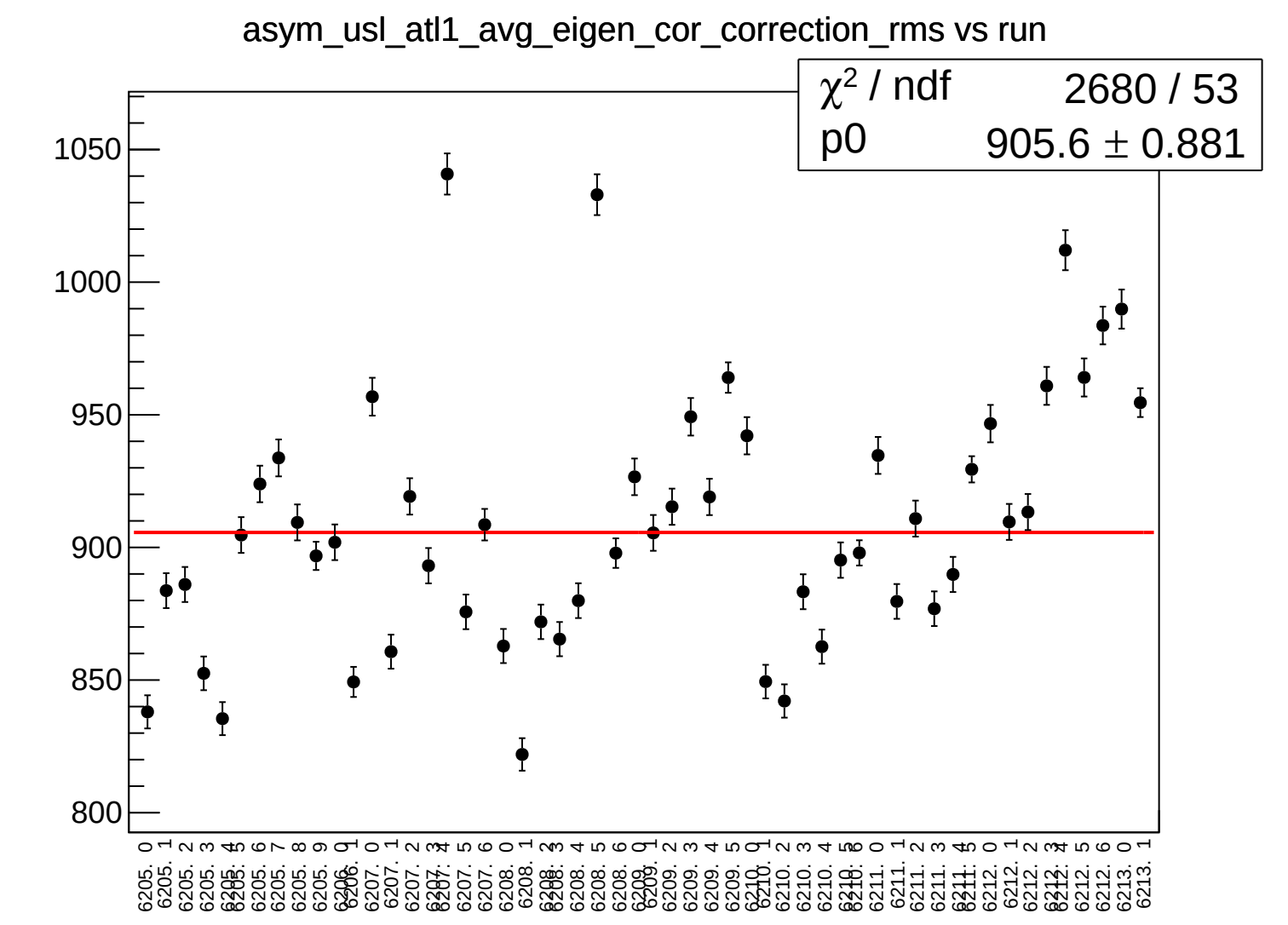

eigen_cor_asym_usl_atl1_avg_mean vs run
χ² / ndf 49.46 / 53
p0 4742 ± 2105
60000
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −15.81
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

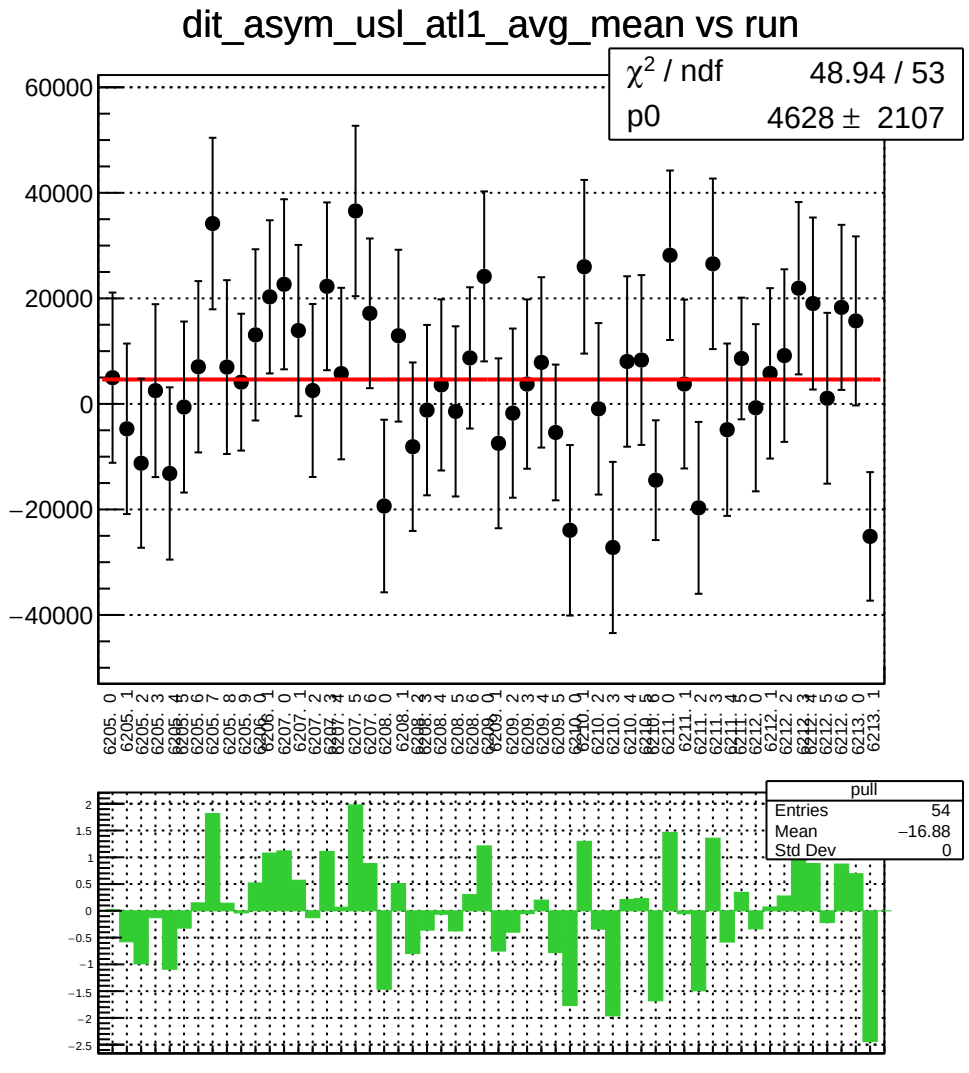

pull1D
Entries 54
Mean 0.02205
Std Dev 0.9568
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

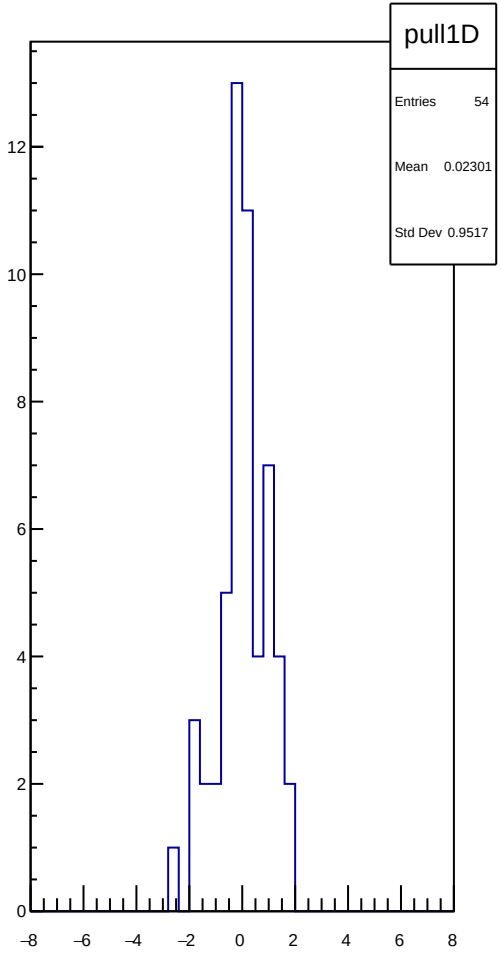

eigen_cor_asym_usl_atl1_avg_rms vs run
χ² / ndf 73.15 / 53
p0 1532 ± 1.488
1580
1560
1540
1520
1500
1480
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

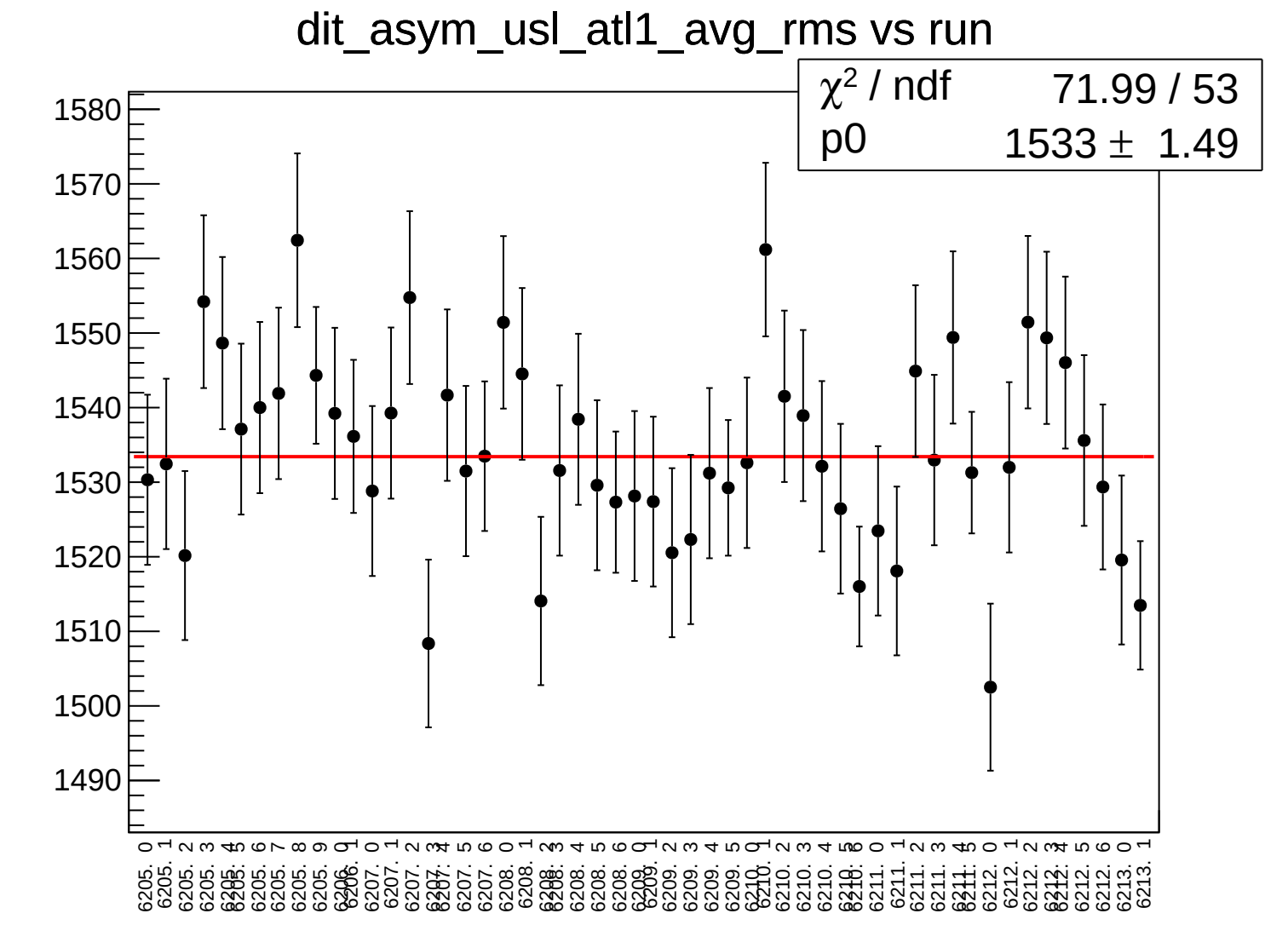

asym_usl_atl1_avg_eigen_cor_correction_mean vs run
χ² / ndf 42.12 / 53
p0 747.2 ± 1246
40000
30000
20000
10000
0
−10000
−20000
pull
Entries 54
Mean 268
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

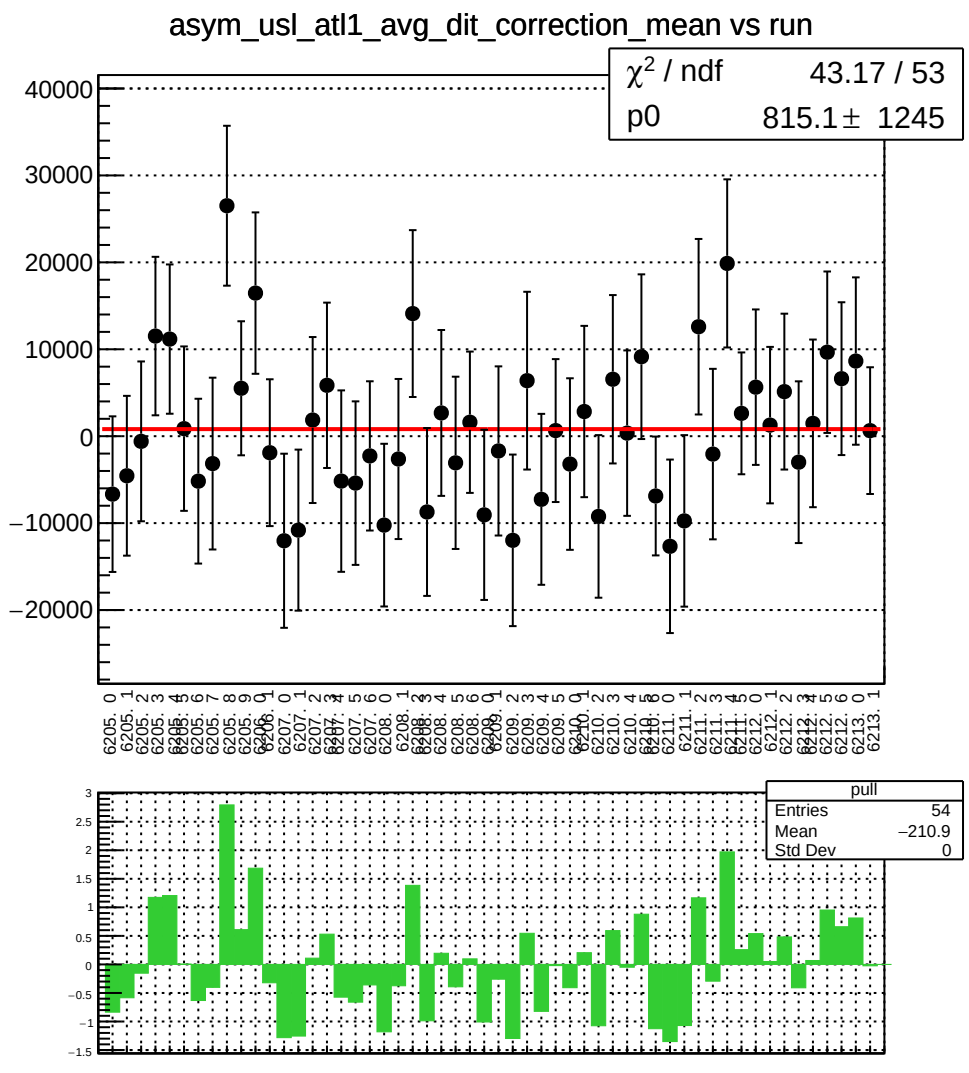

pull1D
Entries 54
Mean 0.004158
Std Dev 0.8831
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

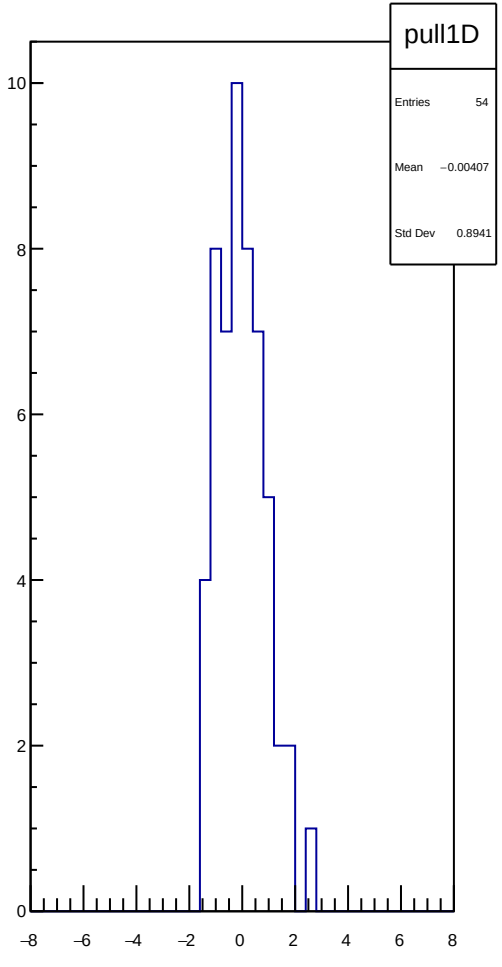

asym_usl_atl1_avg_eigen_cor_correction_rms vs run
χ² / ndf 2680 / 53
p0 905.6 ± 0.881
1050
1000
950
900
850
800
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

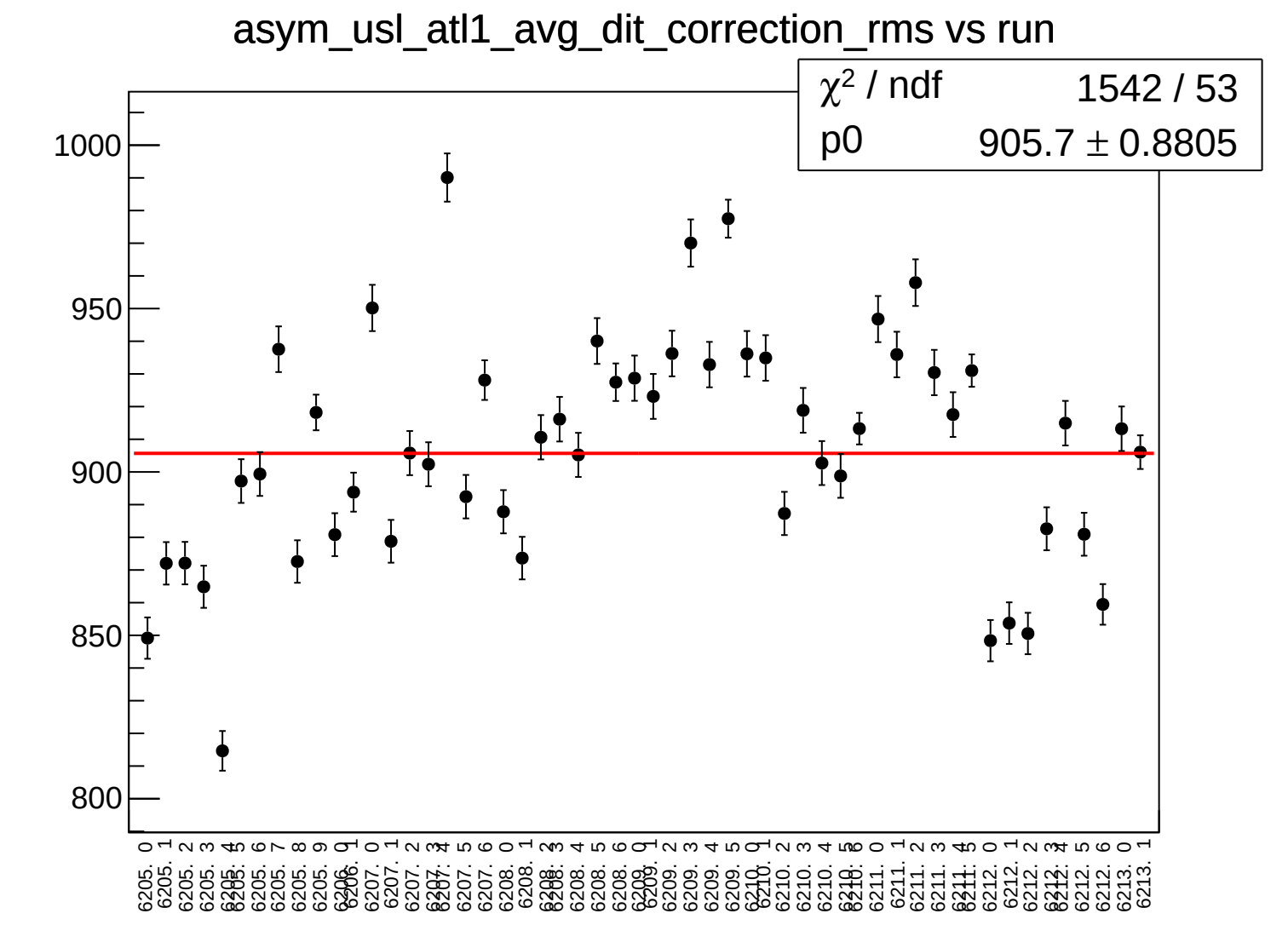

dit_asym_usl_atl1_avg_mean vs run
χ² / ndf 48.94 / 53
p0 4628 ± 2107
60000
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −16.88
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

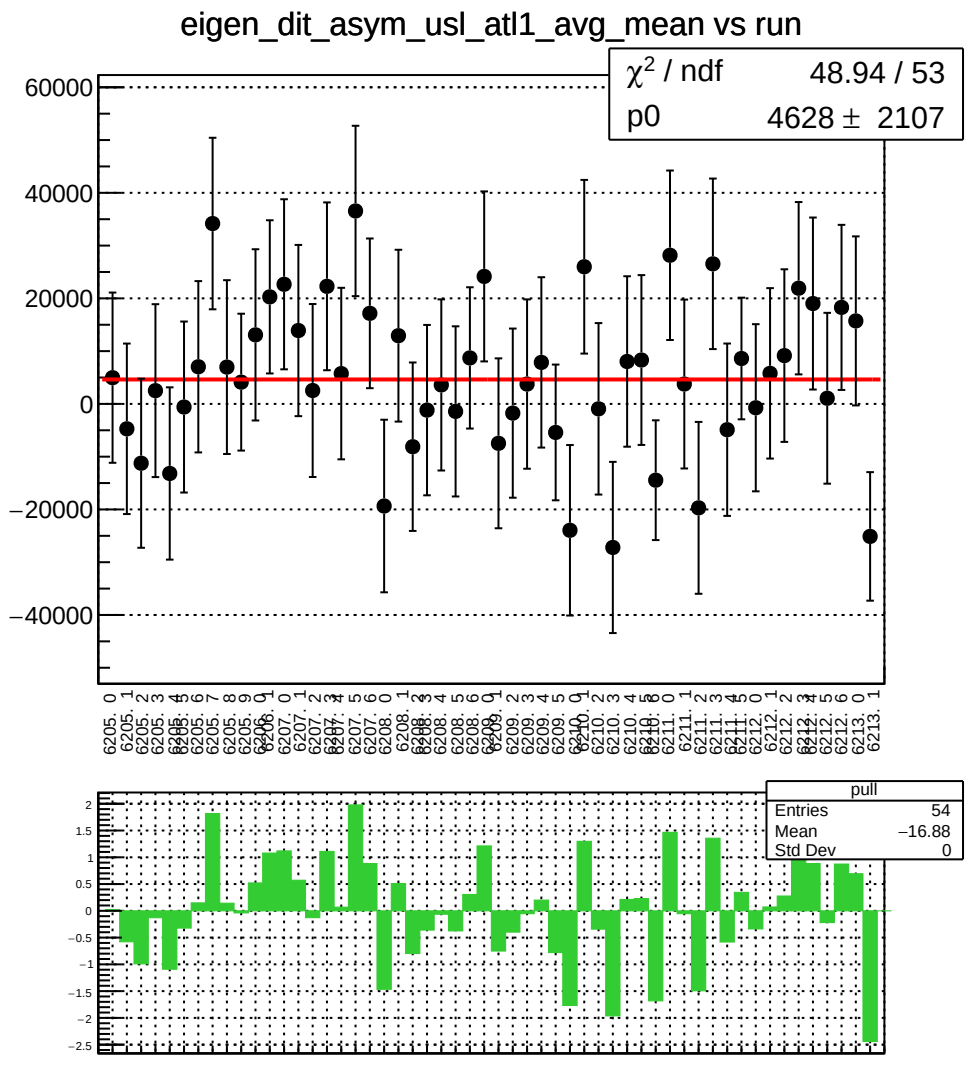

pull1D
Entries 54
Mean 0.02301
Std Dev 0.9517
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

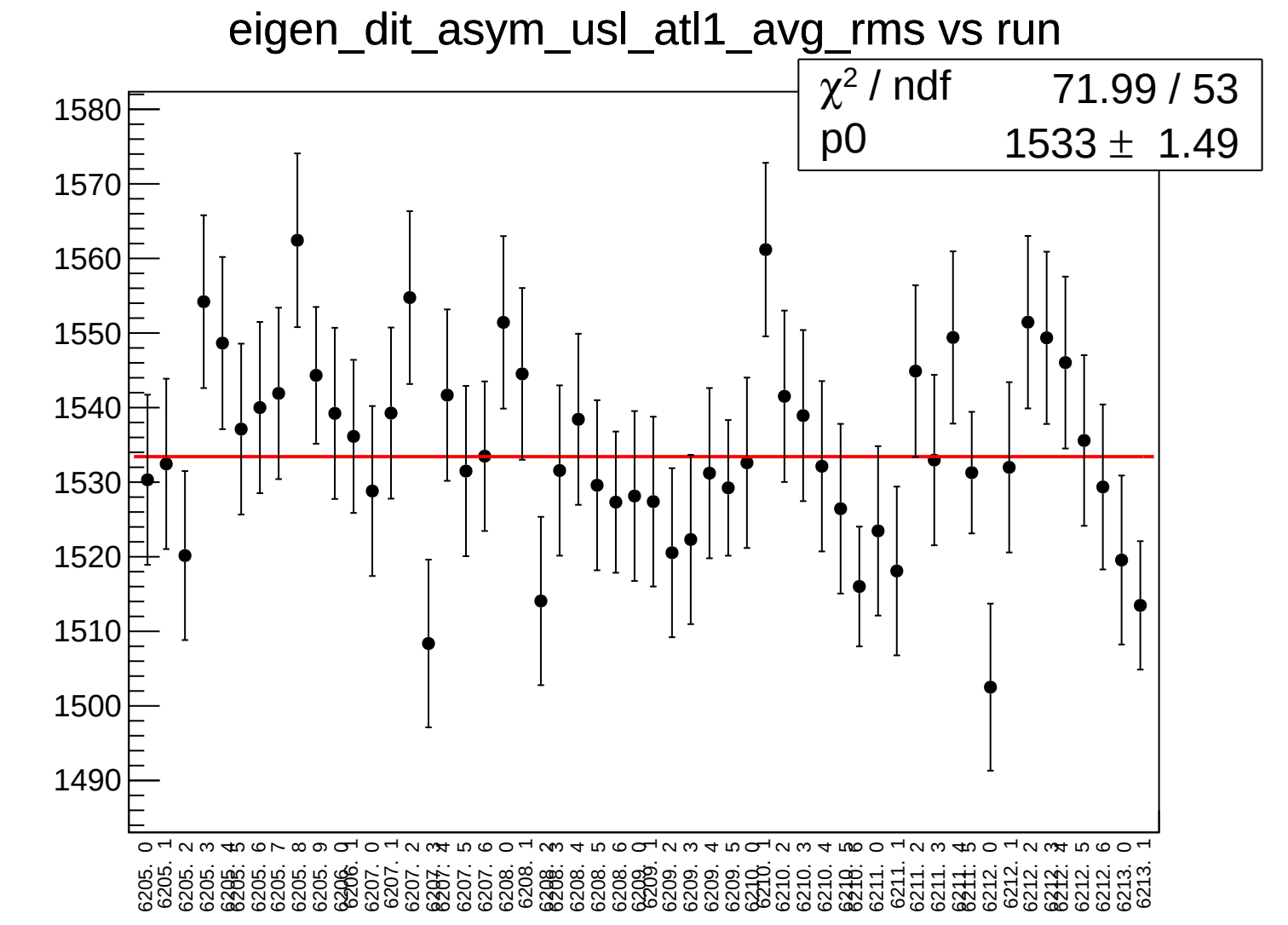

dit_asym_usl_atl1_avg_rms vs run
χ² / ndf 71.99 / 53
p0 1533 ± 1.49
1580
1570
1560
1550
1540
1530
1520
1510
1500
1490
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 5
6212. 6
6213. 0
6213. 1

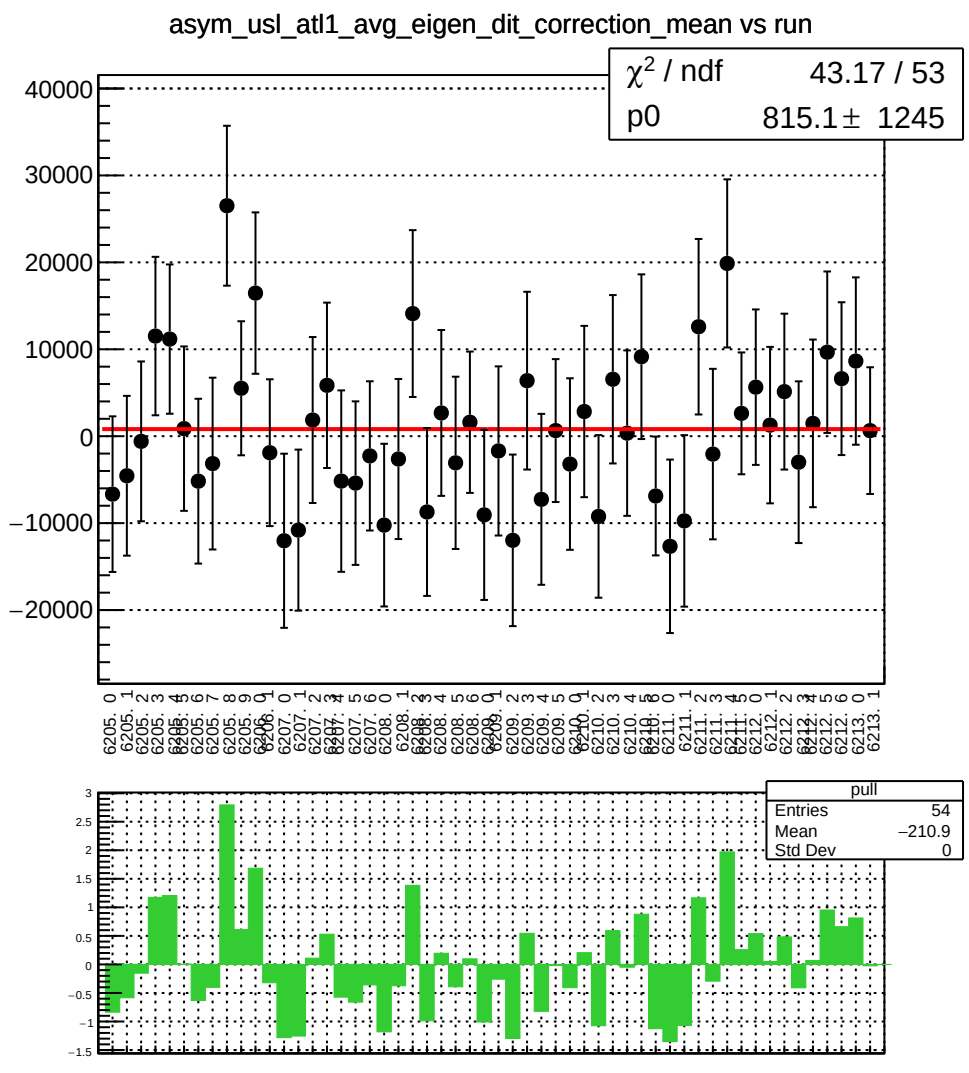

asym_usl_atl1_avg_dit_correction_mean vs run
χ² / ndf 43.17 / 53
p0 815.1 ± 1245
pull
Entries 54
Mean −210.9
Std Dev 0

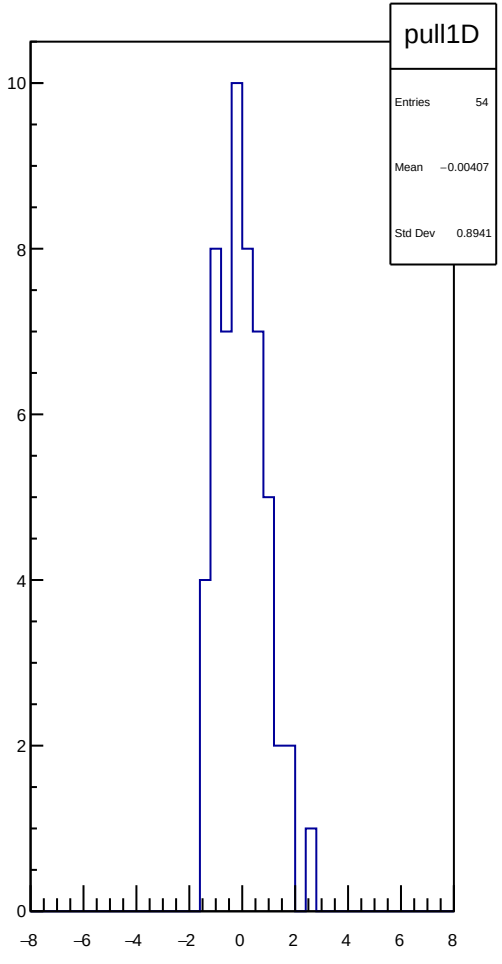

pull1D
Entries 54
Mean −0.00407
Std Dev 0.8941

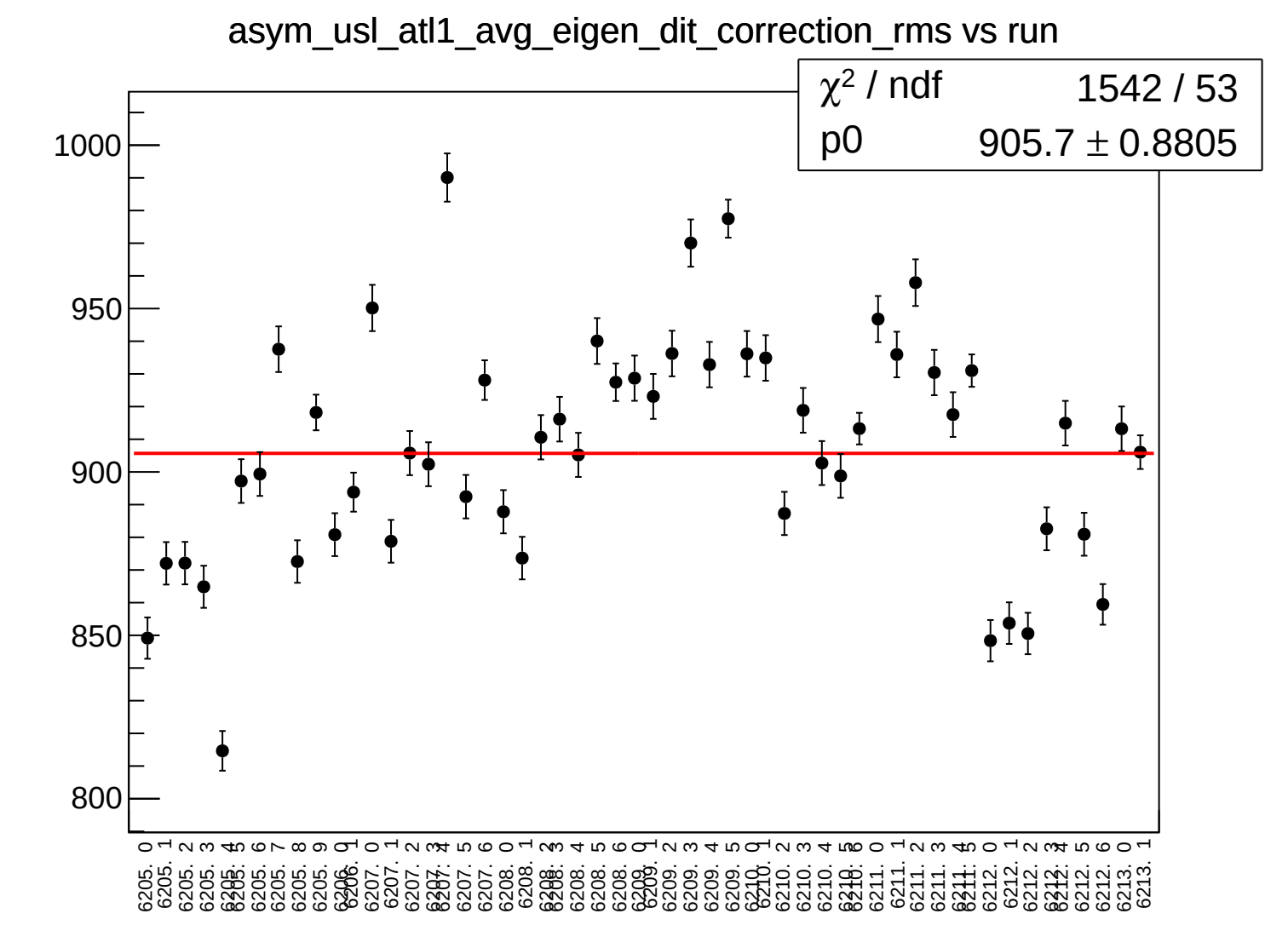

asym_usl_atl1_avg_dit_correction_rms vs run
χ² / ndf 1542 / 53
p0 905.7 ± 0.8805
1000
950
900
850
800
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


eigen_dit_asym_usl_atl1_avg_mean vs run
χ² / ndf 48.94 / 53
p0 4628 ± 2107
pull
Entries 54
Mean −16.88
Std Dev 0
pull1D
Entries 54
Mean 0.02301
Std Dev 0.9517


eigen_dit_asym_usl_atl1_avg_rms vs run
χ² / ndf 71.99 / 53
p0 1533 ± 1.49
1580
1570
1560
1550
1540
1530
1520
1510
1500
1490
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1


asym_usl_atl1_avg_eigen_dit_correction_mean vs run
χ² / ndf 43.17 / 53
p0 815.1 ± 1245
pull
Entries 54
Mean −210.9
Std Dev 0


pull1D
Entries 54
Mean −0.00407
Std Dev 0.8941


asym_usl_atl1_avg_eigen_dit_correction_rms vs run
χ² / ndf 1542 / 53
p0 905.7 ± 0.8805
1000
950
900
850
800
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
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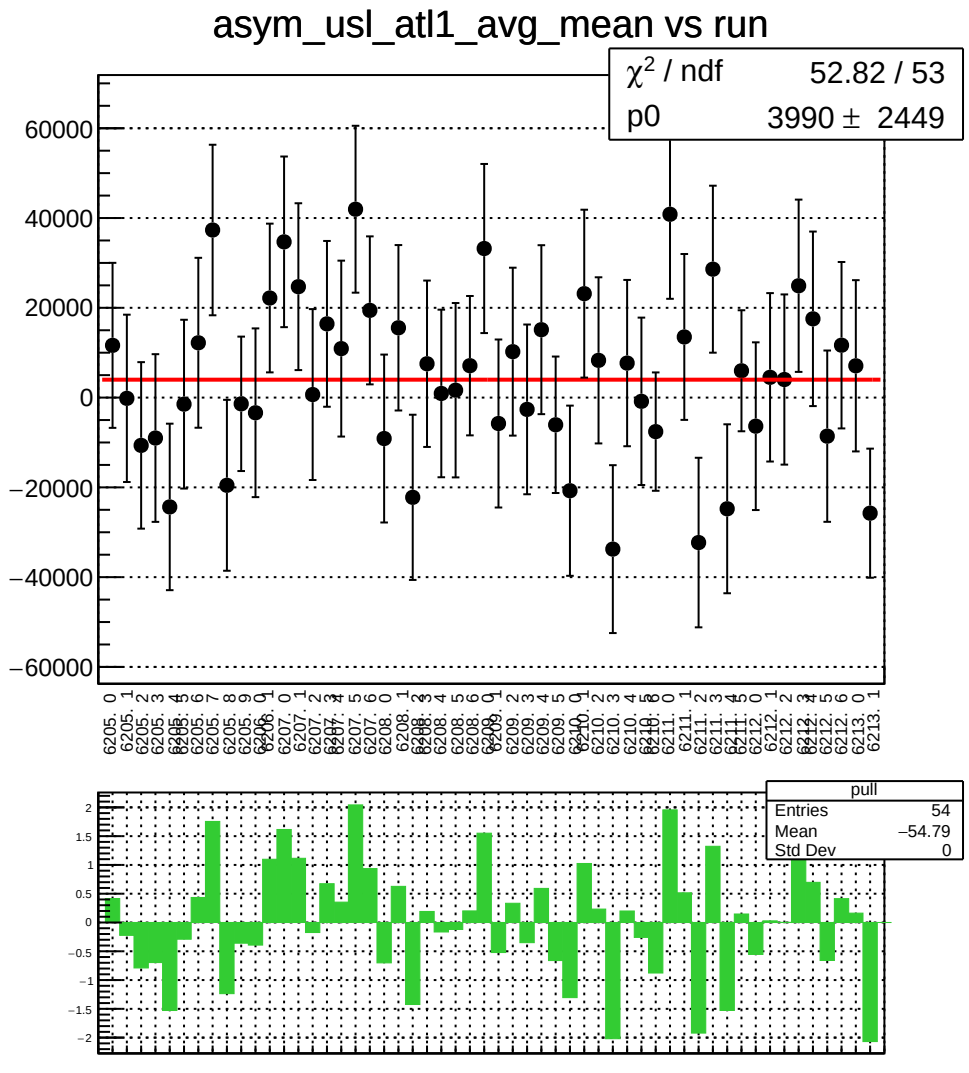
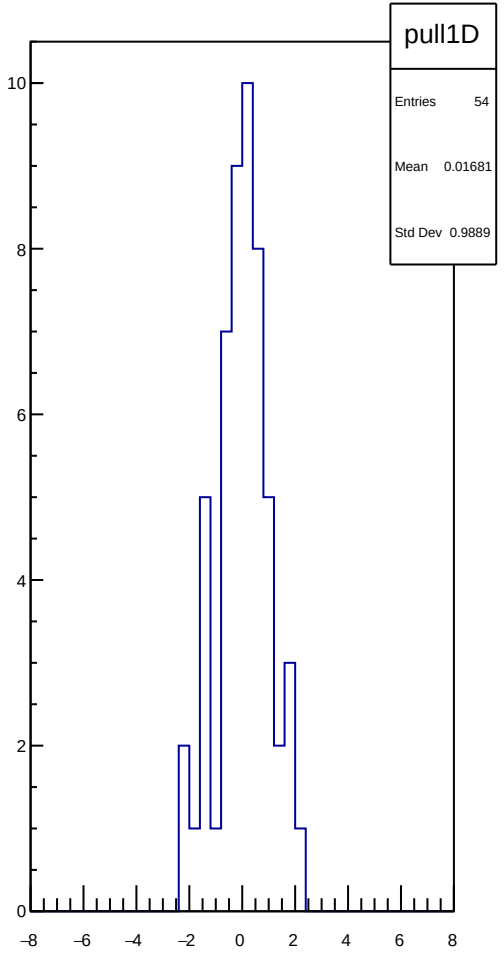
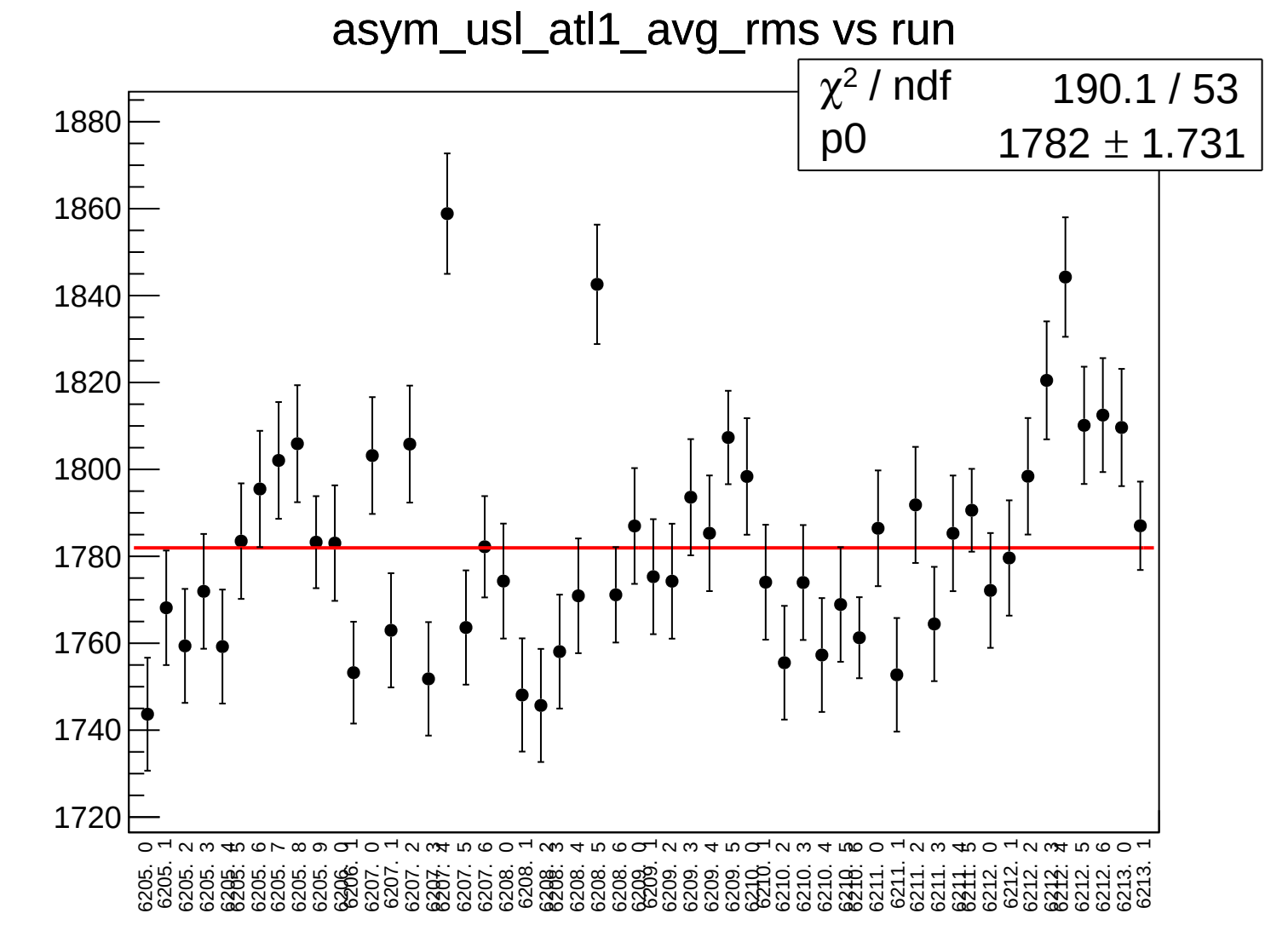
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_usl_atl1_avg_mean vs run
χ² / ndf 52.82 / 53
p0 3990 ± 2449
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean −54.79
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 54
Mean 0.01681
Std Dev 0.9889
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_usl_atl1_avg_rms vs run
χ² / ndf 190.1 / 53
p0 1782 ± 1.731
1880
1860
1840
1820
1800
1780
1760
1740
1720
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
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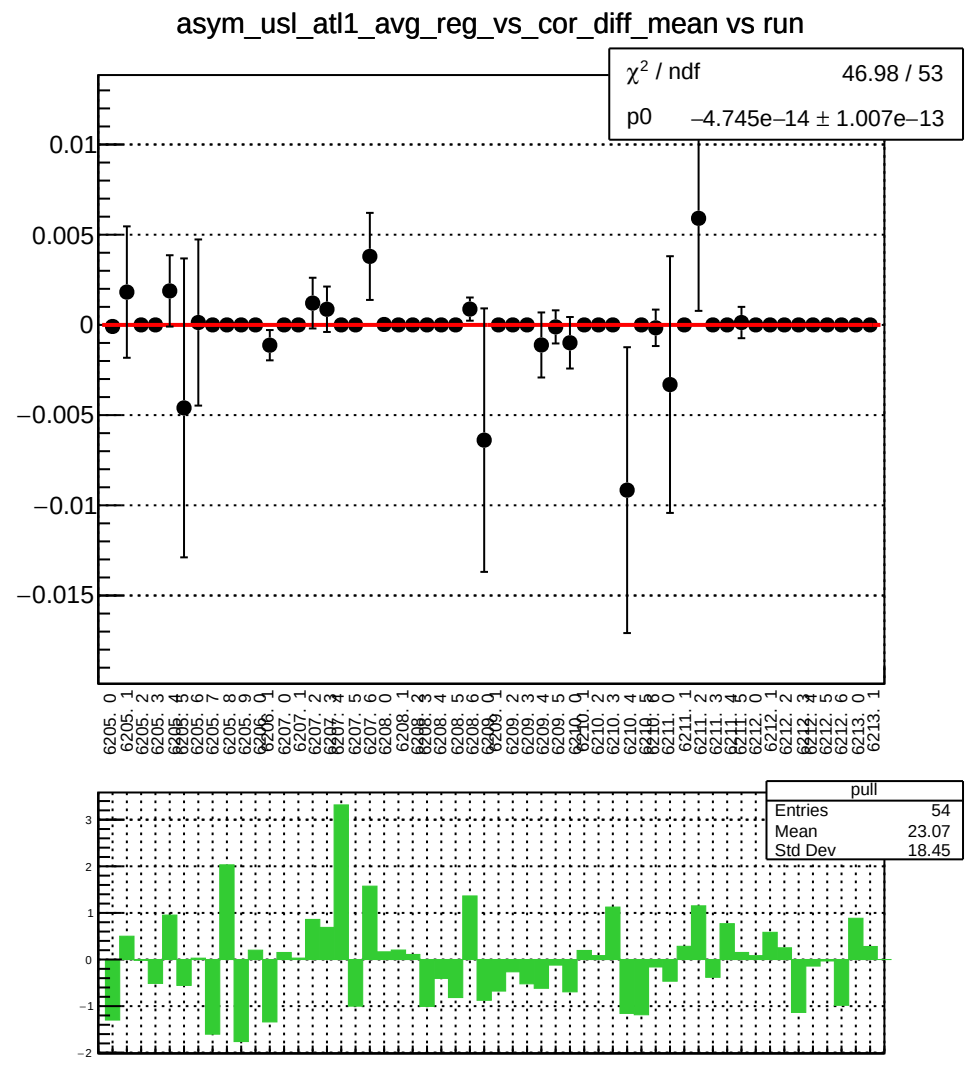
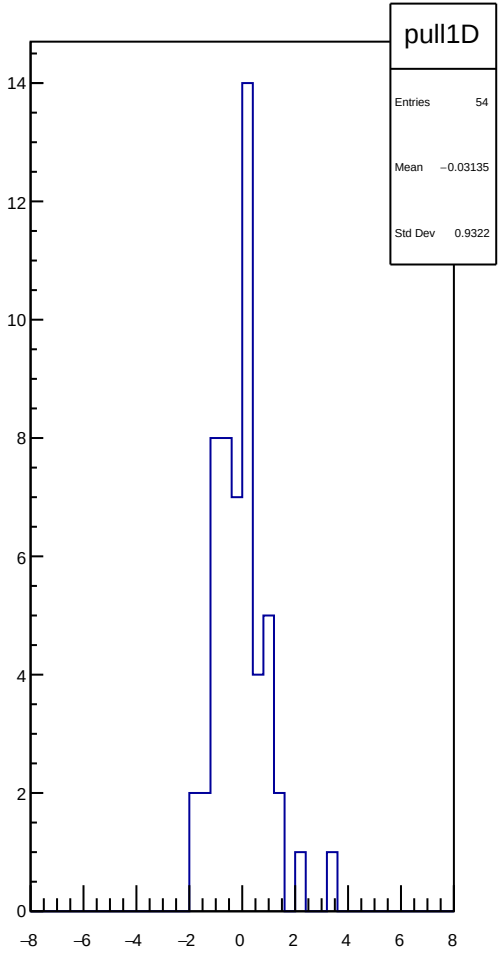
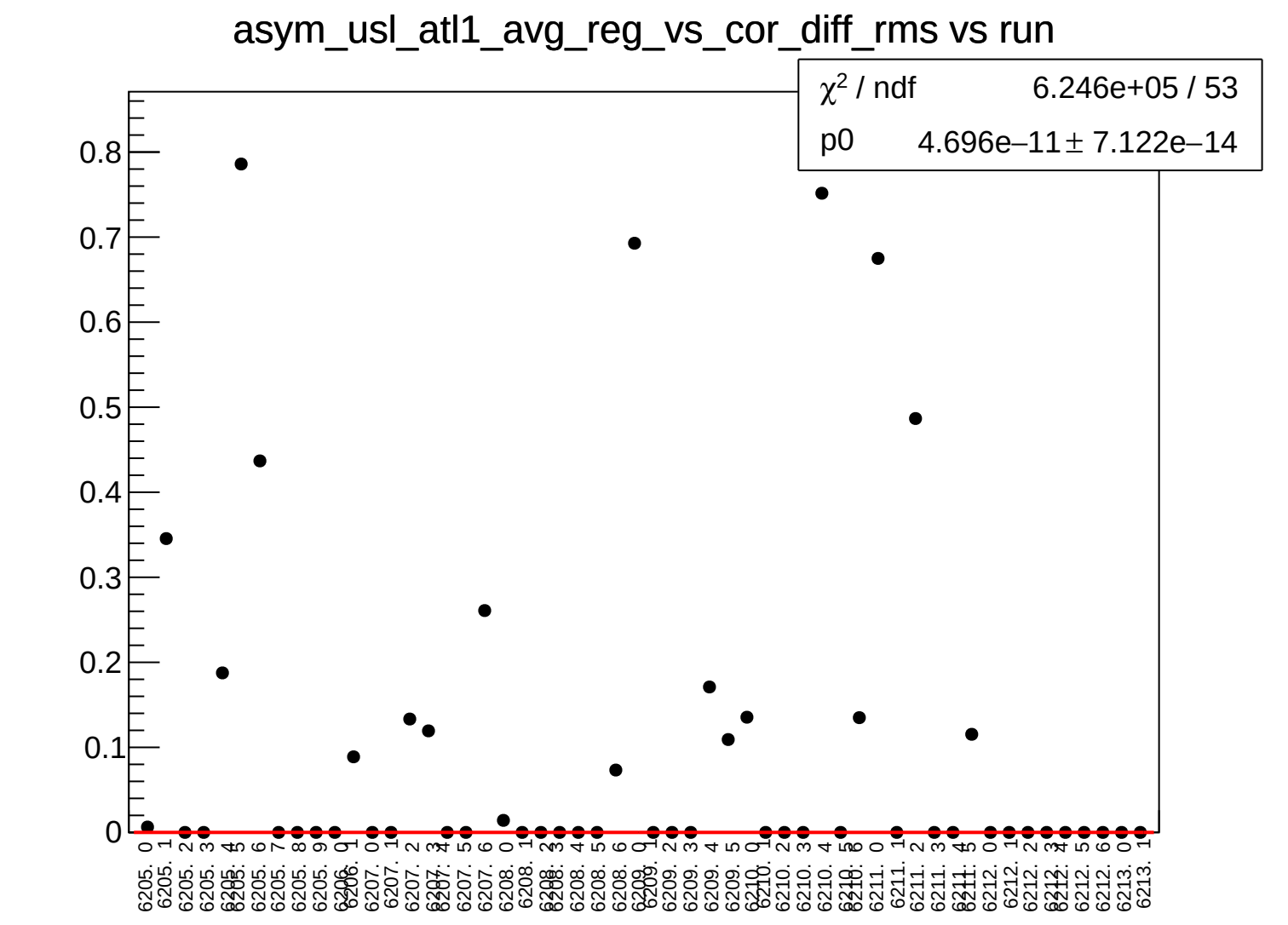
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_usl_atl1_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 46.98 / 53
p0 −4.745e−14 ± 1.007e−13
pull
Entries 54
Mean 23.07
Std Dev 18.45


pull1D
Entries 54
Mean −0.03135
Std Dev 0.9322


asym_usl_atl1_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.246e+05 / 53
p0 4.696e−11 ± 7.122e−14
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
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6207. 10
6207. 2
6207. 5
6207. 6
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6208. 6
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6209. 2
6209. 3
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6210. 3
6210. 4
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6212. 2
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6212. 6
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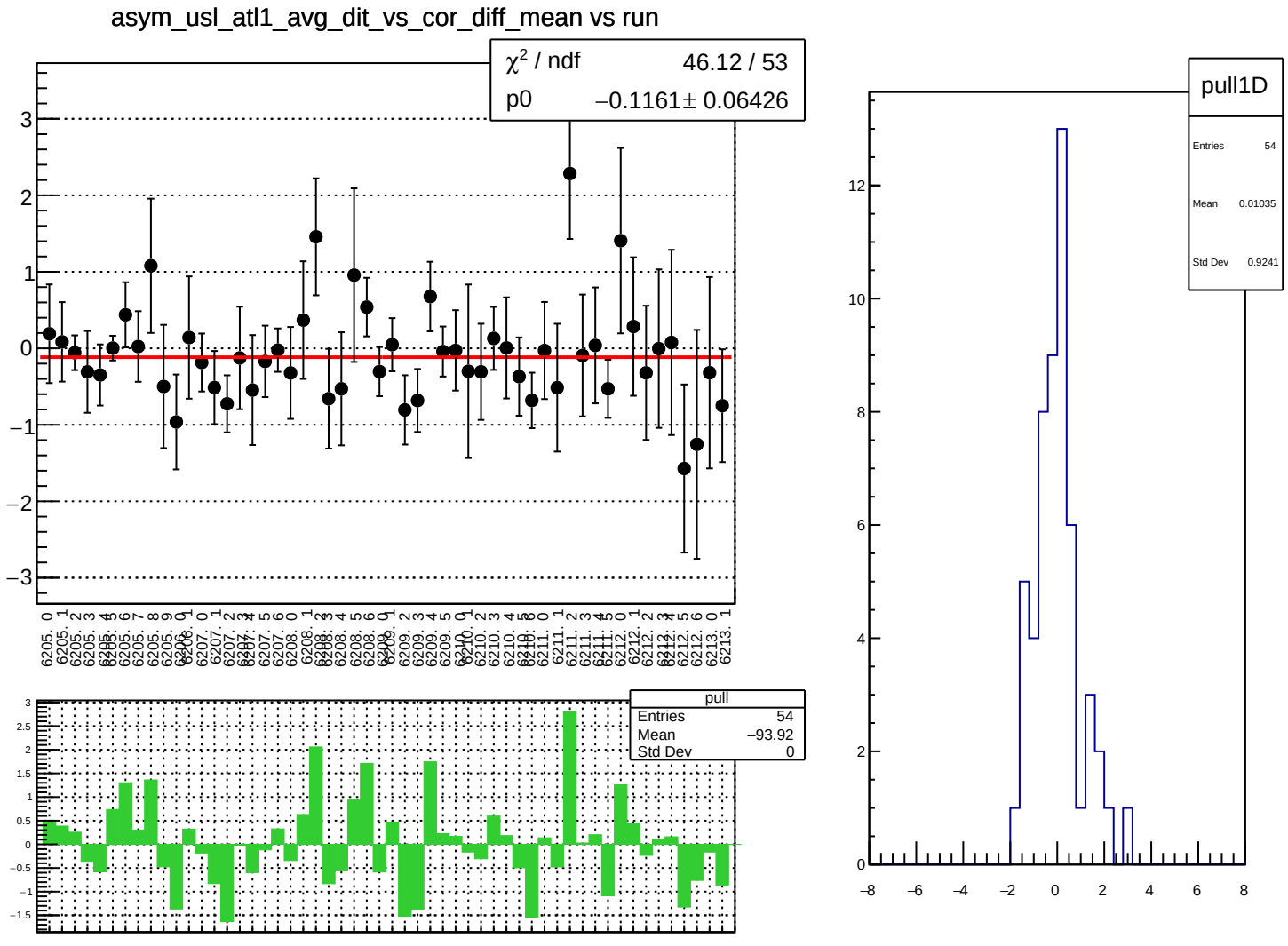
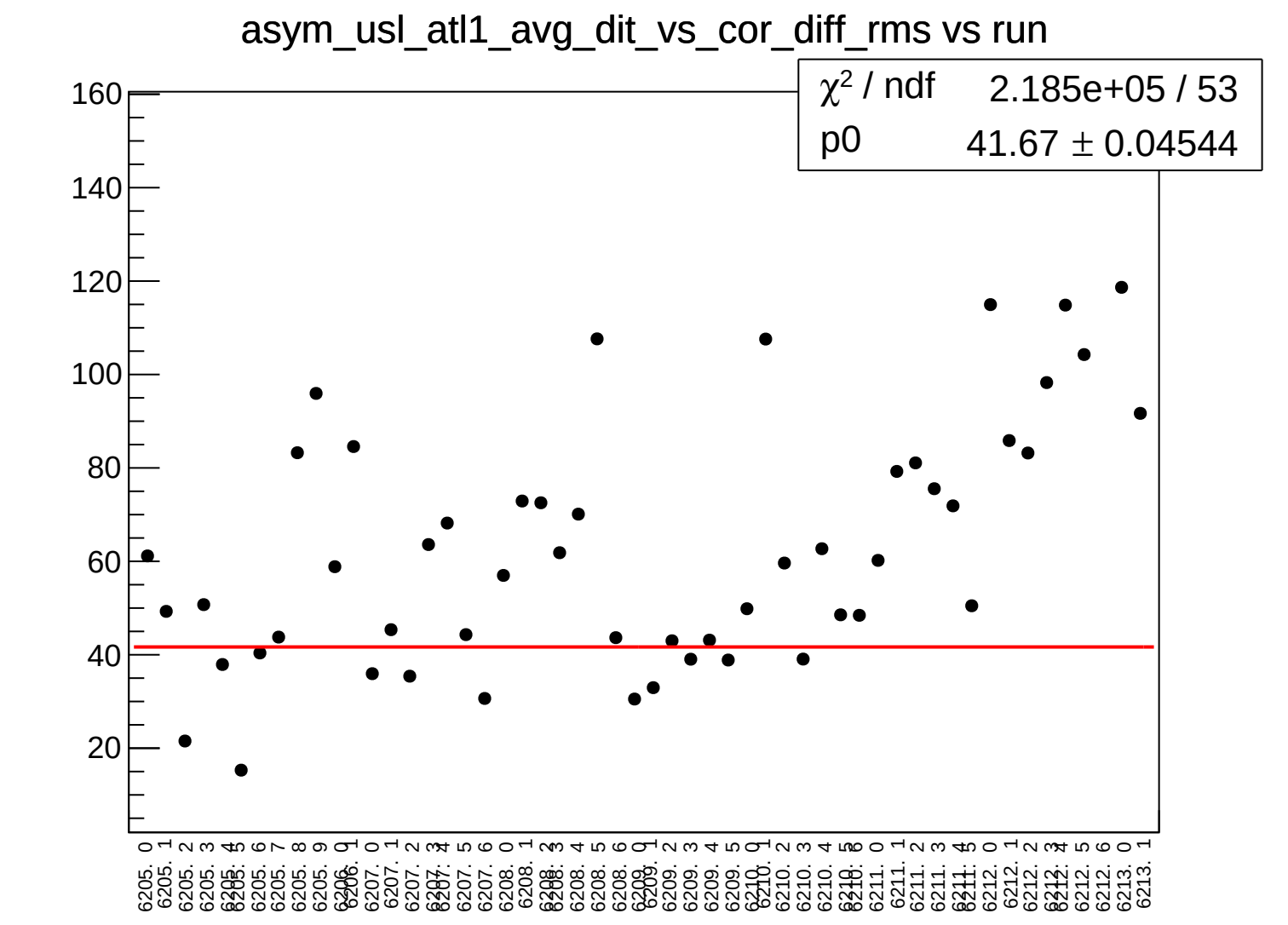
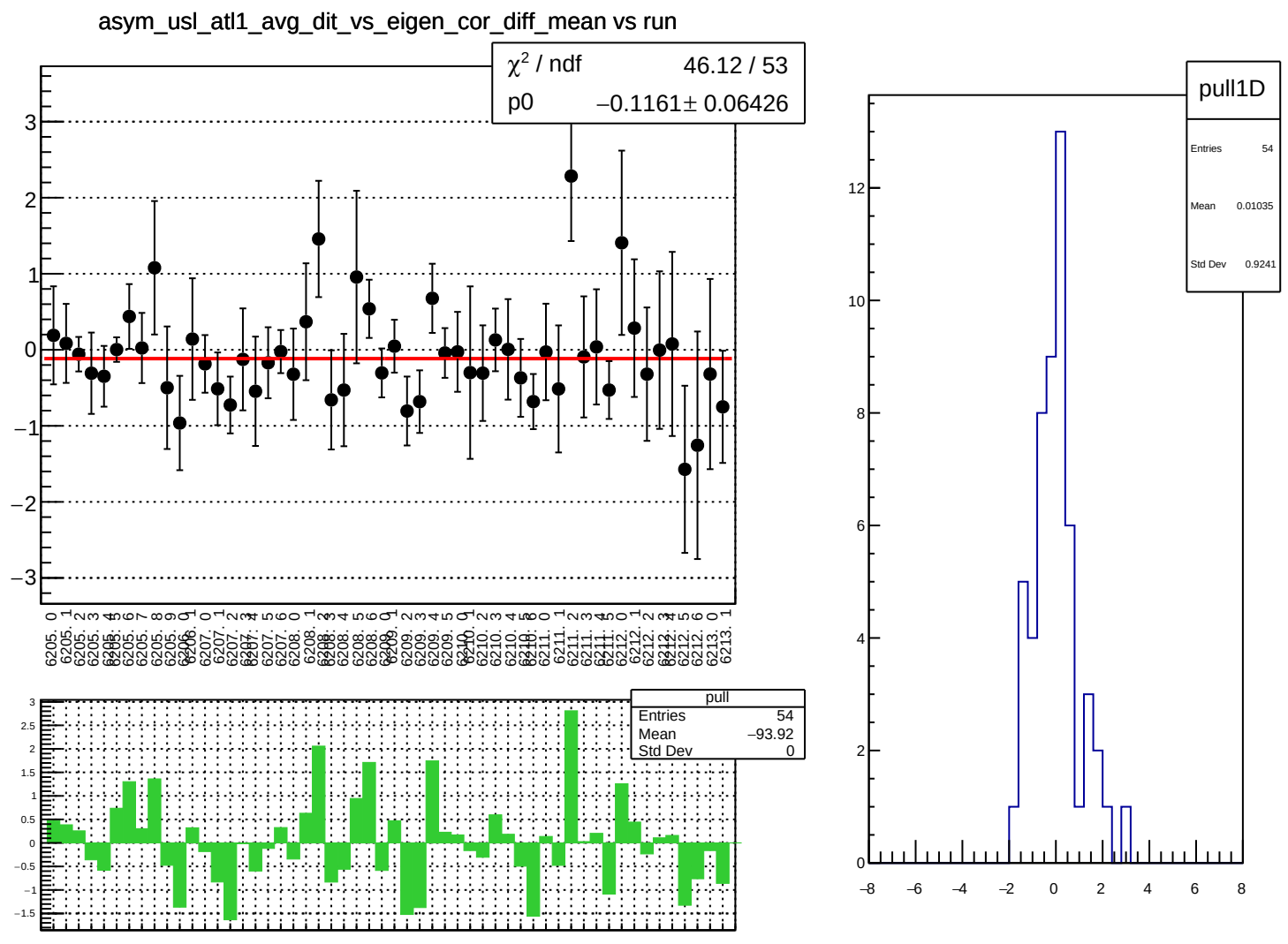
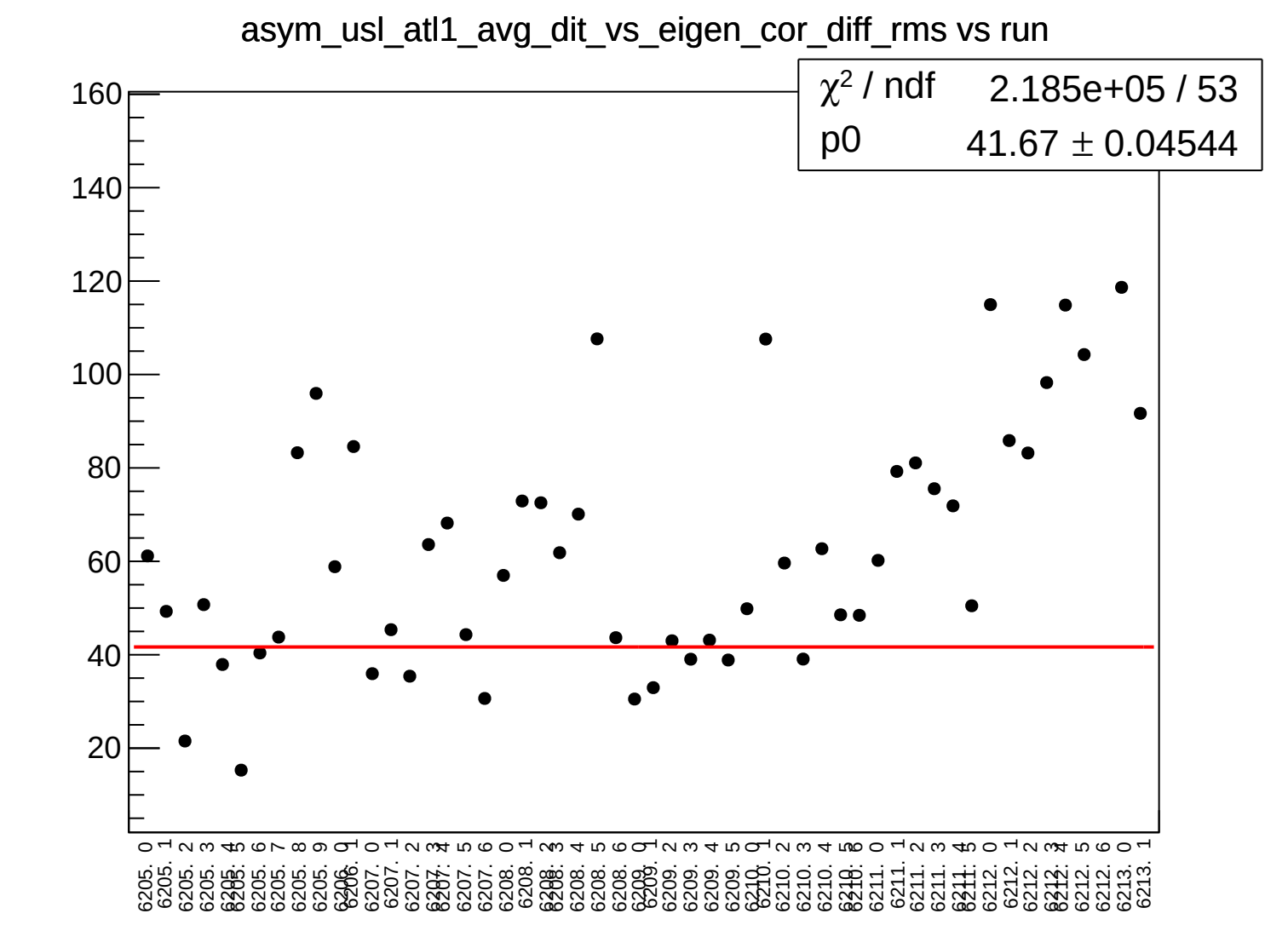

asym_usl_atl1_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 46.12 / 53
p0 −0.1161± 0.06426
pull
Entries 54
Mean −93.92
Std Dev 0
pull1D
Entries 54
Mean 0.01035
Std Dev 0.9241


asym_usl_atl1_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 2.185e+05 / 53
p0 41.67 ± 0.04544
160
140
120
100
80
60
40
20
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_usl_atl1_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 46.12 / 53
p0 −0.1161± 0.06426
pull
Entries 54
Mean −93.92
Std Dev 0
pull1D
Entries 54
Mean 0.01035
Std Dev 0.9241


asym_usl_atl1_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.185e+05 / 53
p0 41.67 ± 0.04544
160
140
120
100
80
60
40
20
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
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6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
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6212. 2
6212. 3
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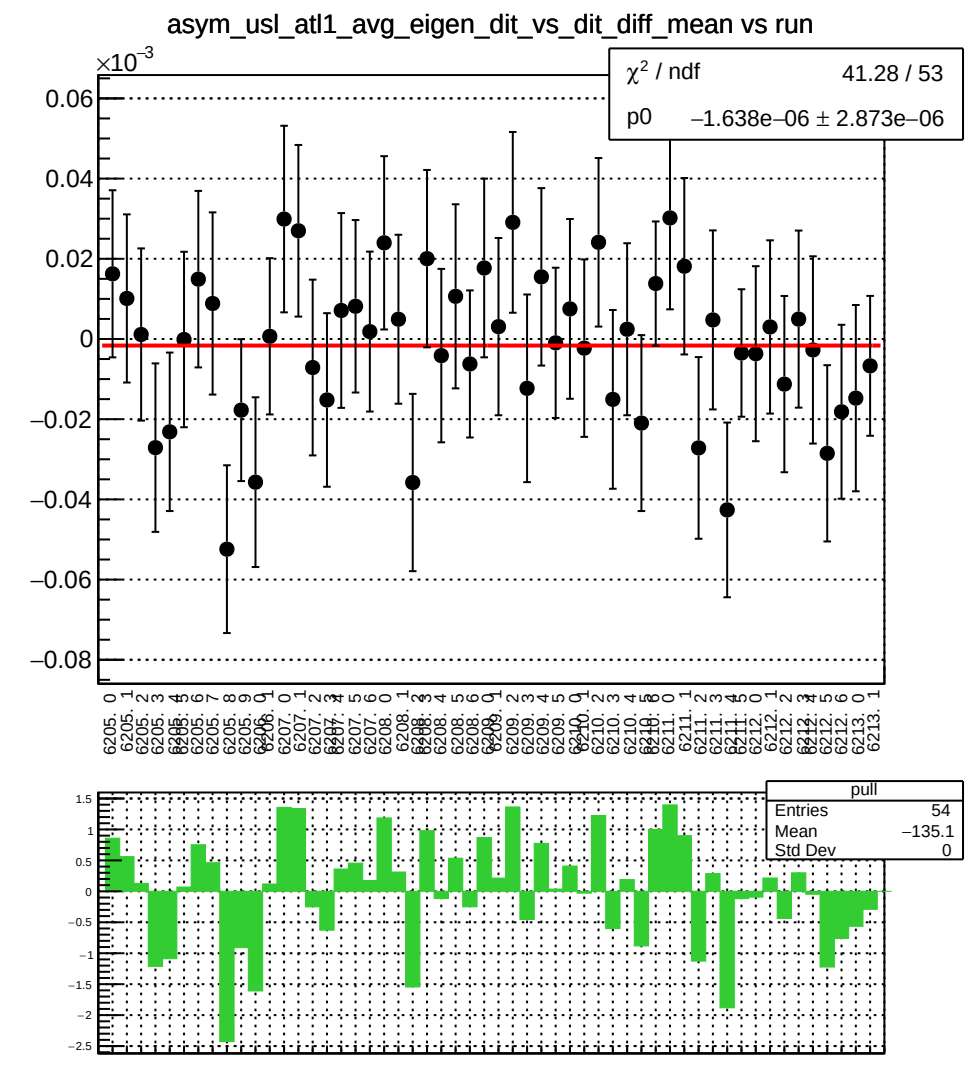
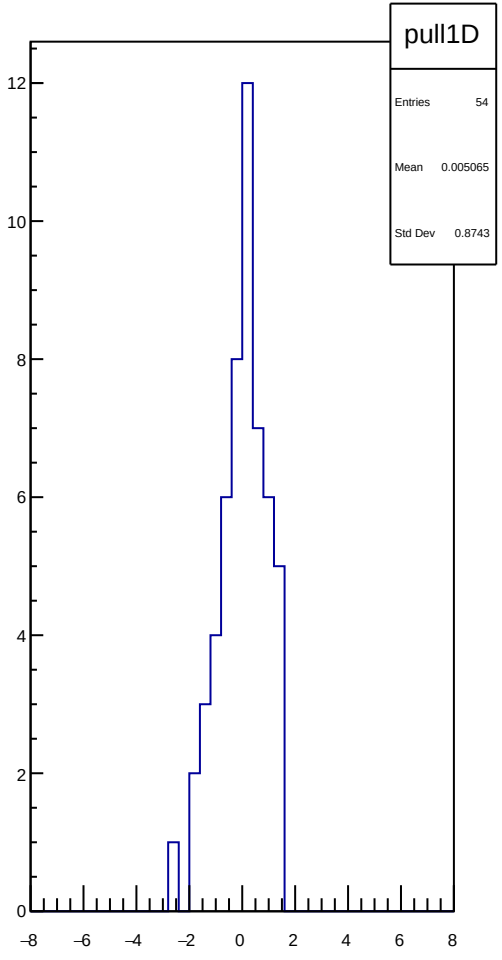
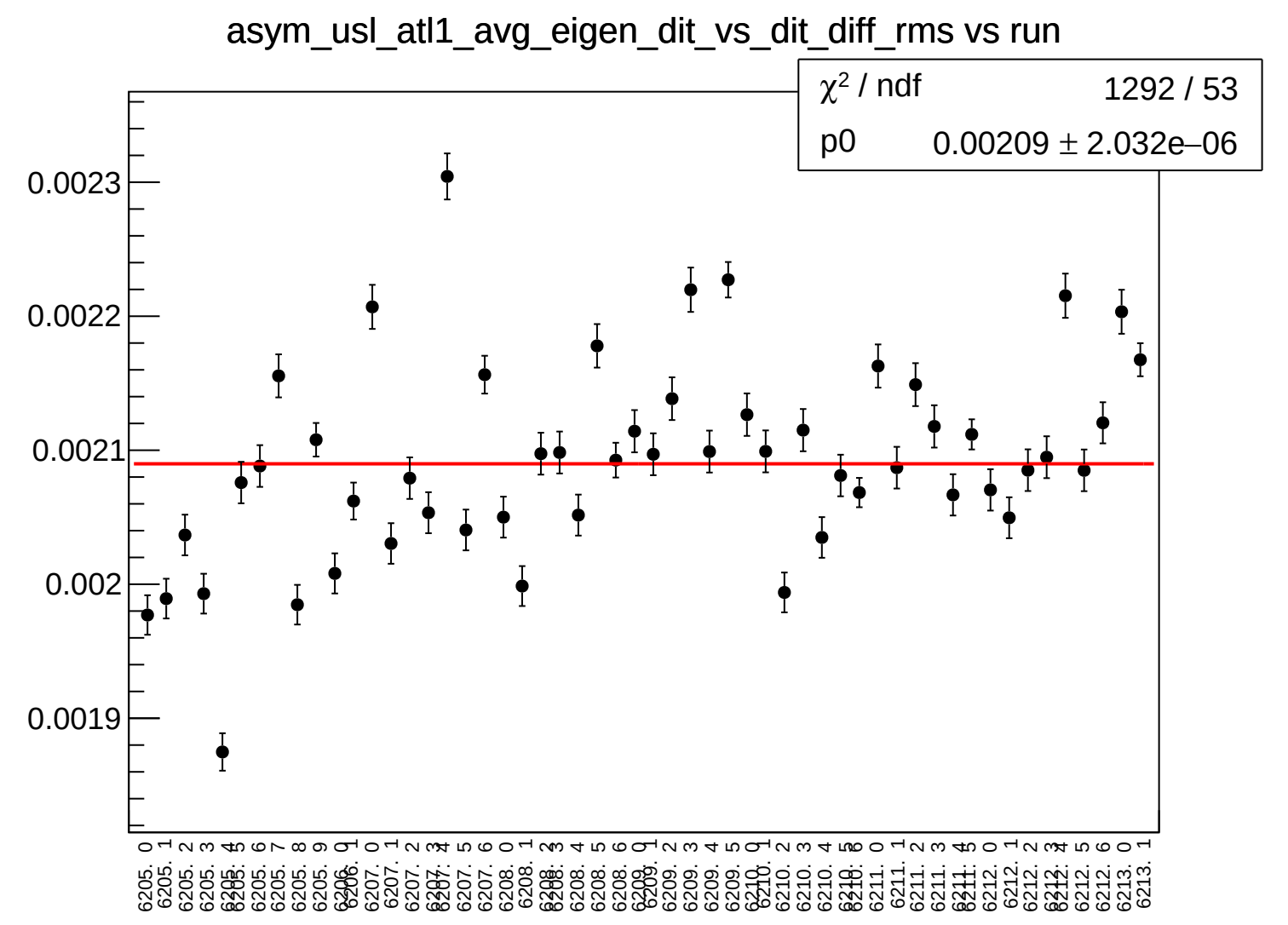
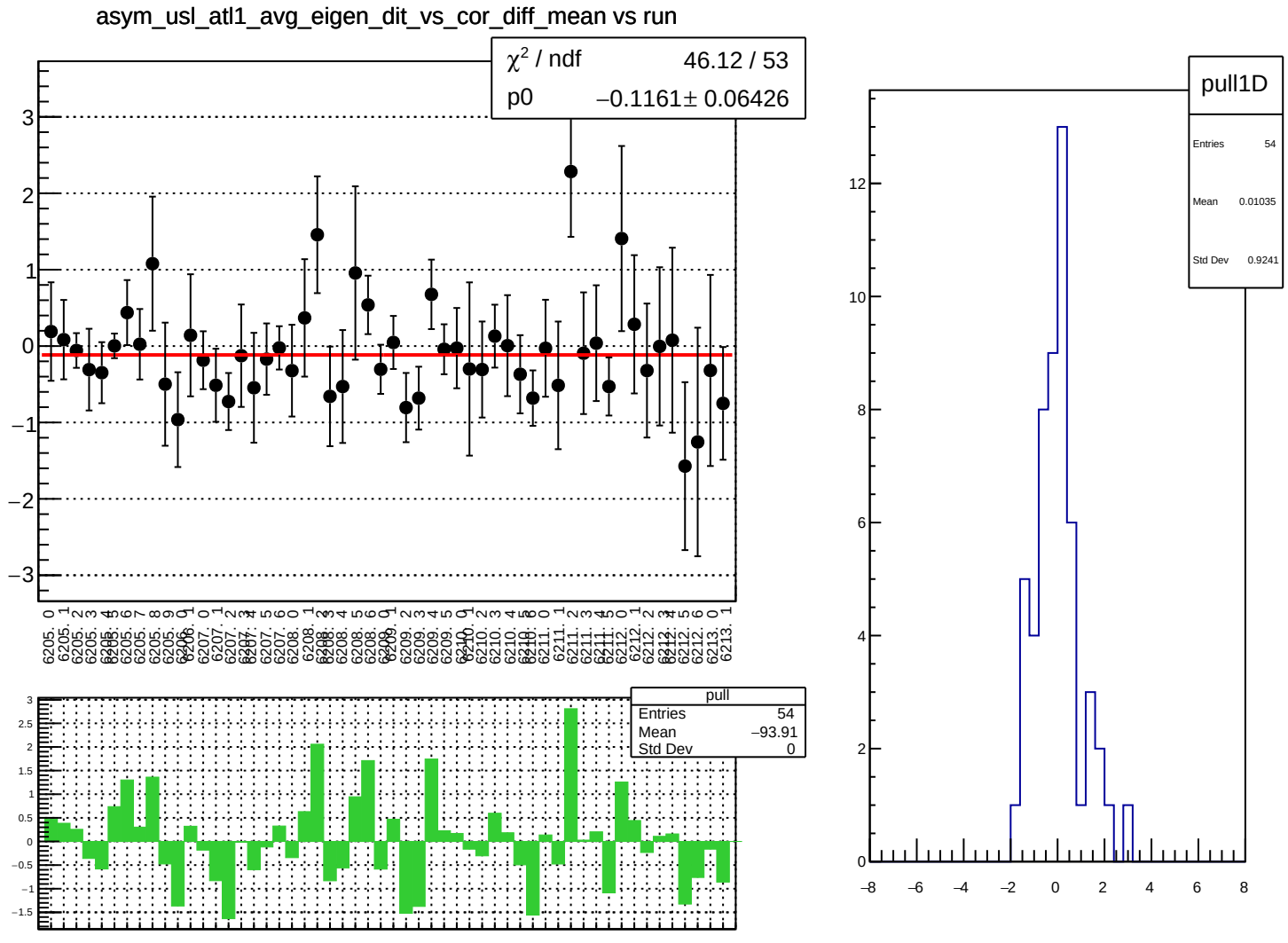
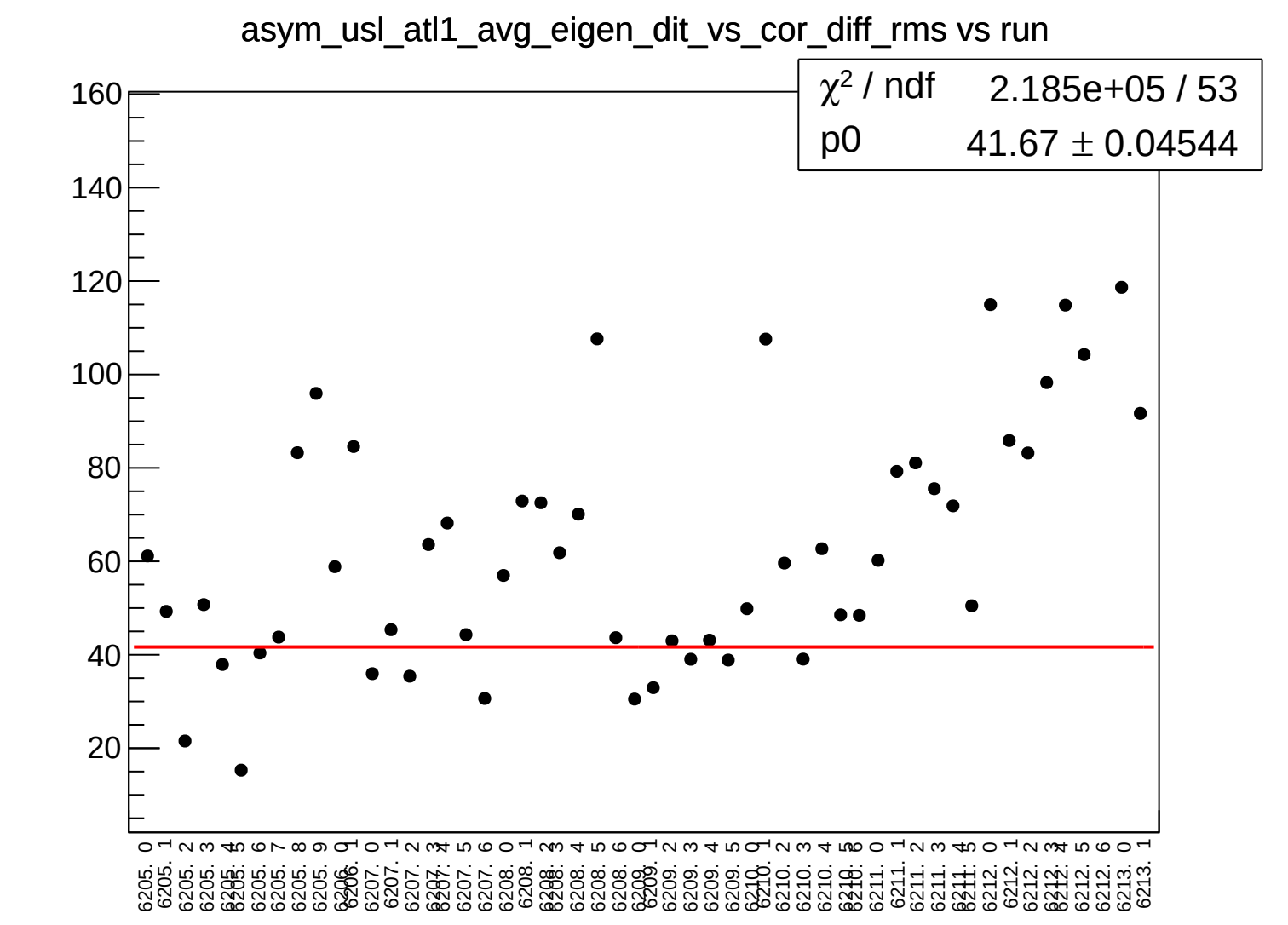
6212. 6
6213. 0
6213. 1


asym_usl_atl1_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 41.28 / 53
p0 −1.638e−06 ± 2.873e−06
pull
Entries 54
Mean −135.1
Std Dev 0


pull1D
Entries 54
Mean 0.005065
Std Dev 0.8743


asym_usl_atl1_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1292 / 53
p0 0.00209 ± 2.032e–06
0.0023
0.0022
0.0021
0.002
0.0019


asym_usl_atl1_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 46.12 / 53
p0 −0.1161± 0.06426
pull
Entries 54
Mean −93.91
Std Dev 0
pull1D
Entries 54
Mean 0.01035
Std Dev 0.9241


asym_usl_atl1_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.185e+05 / 53
p0 41.67 ± 0.04544
160
140
120
100
80
60
40
20
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
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6211. 2
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6211. 4
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6212. 2
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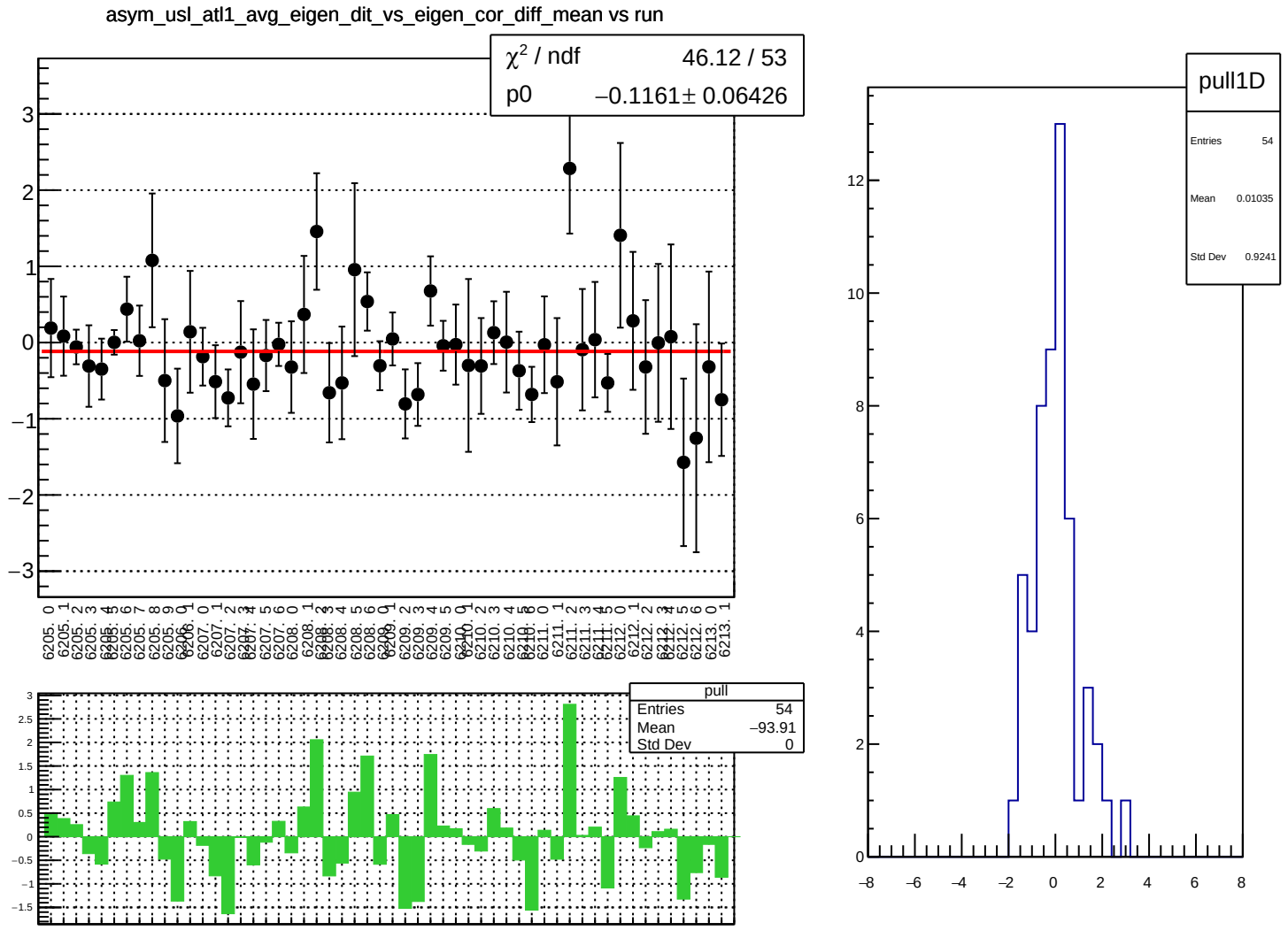
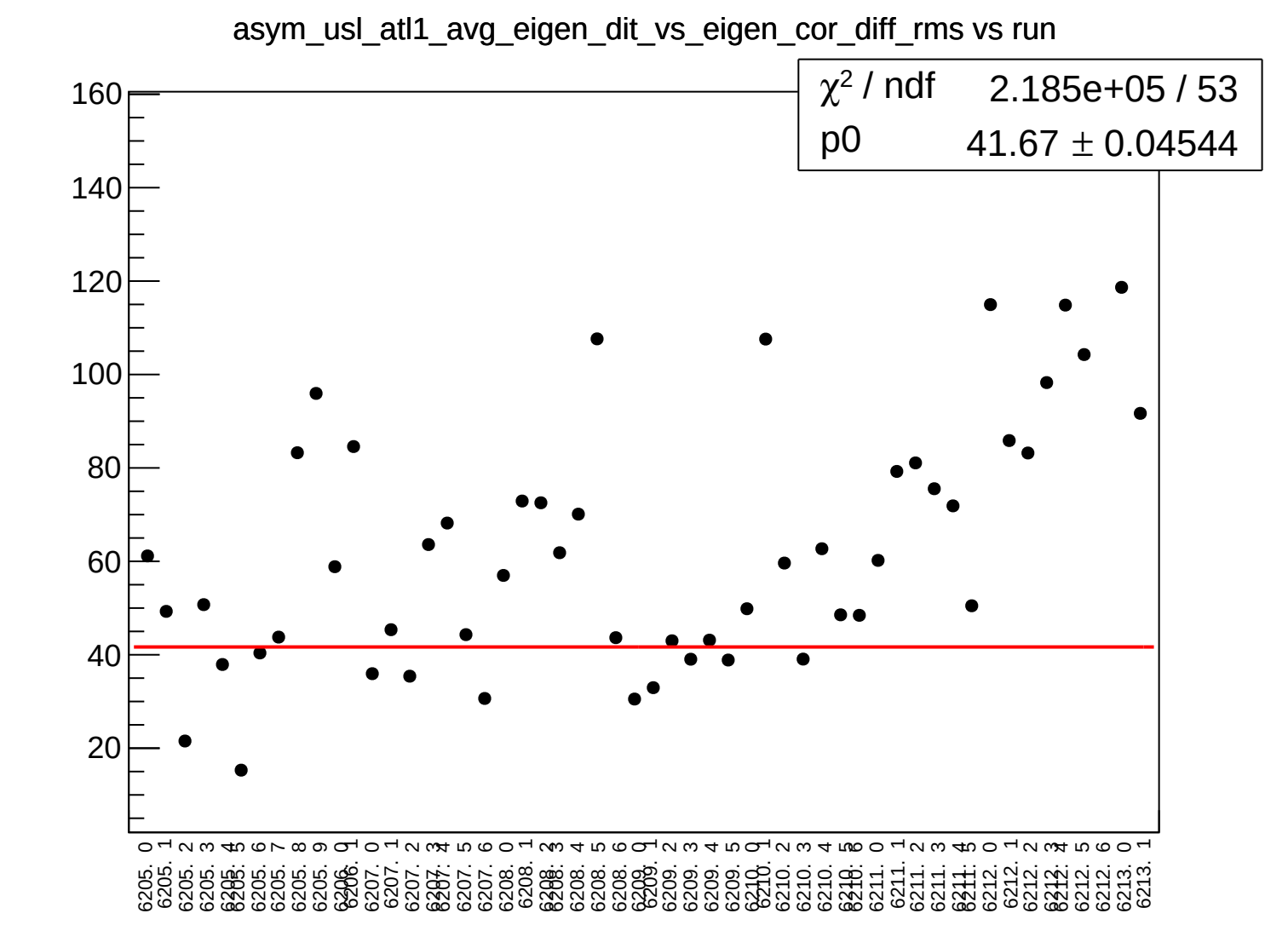
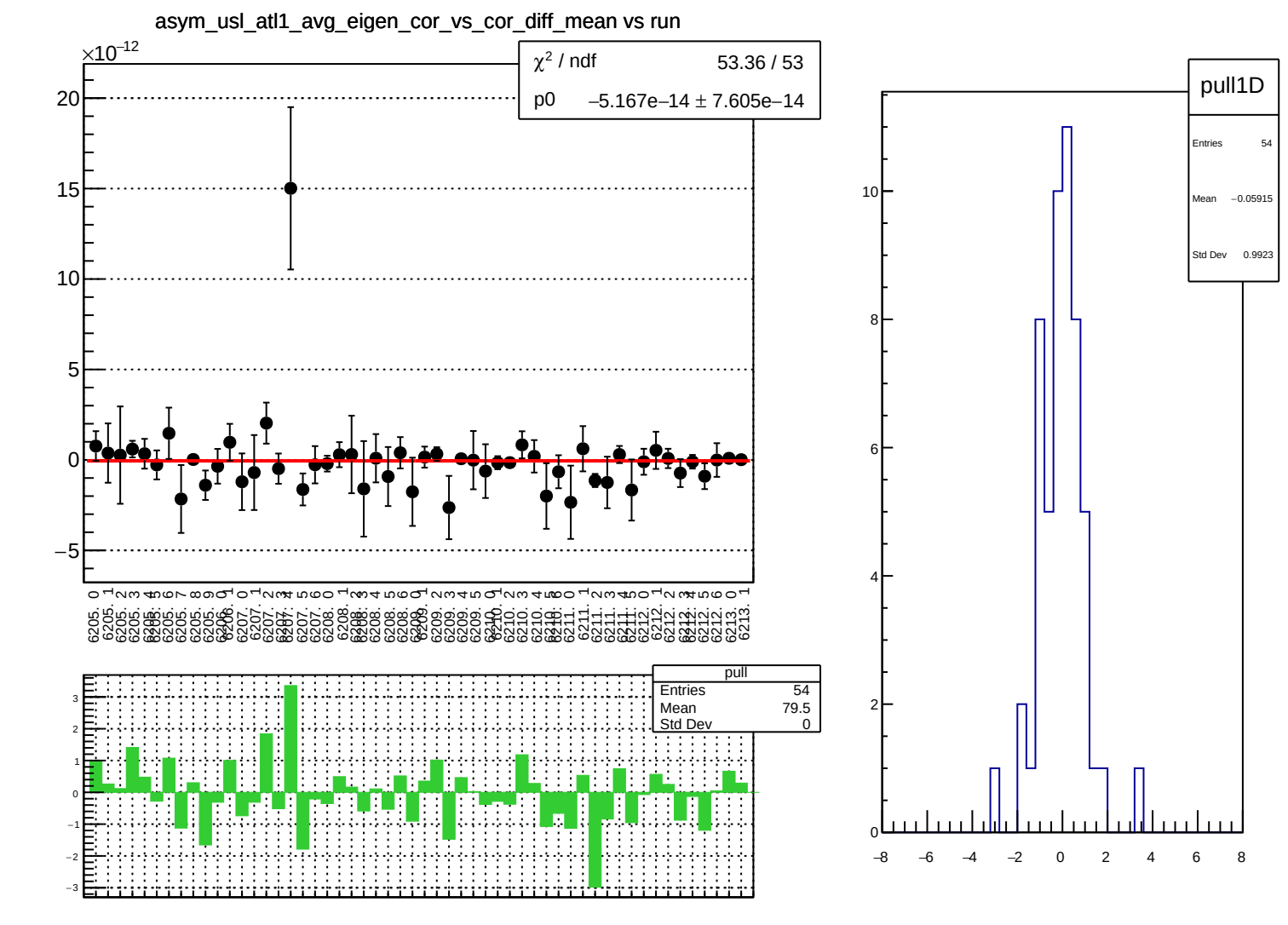
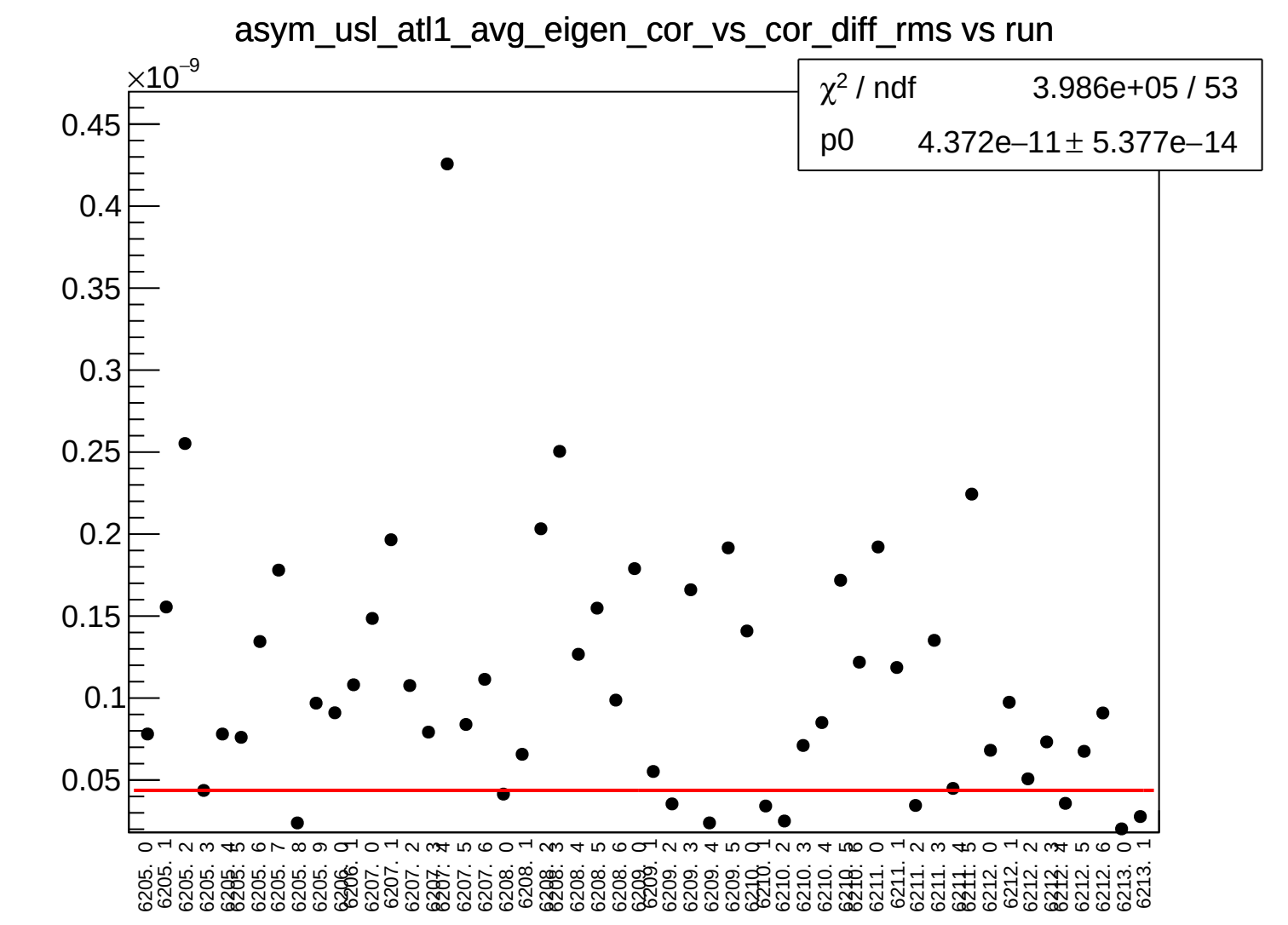
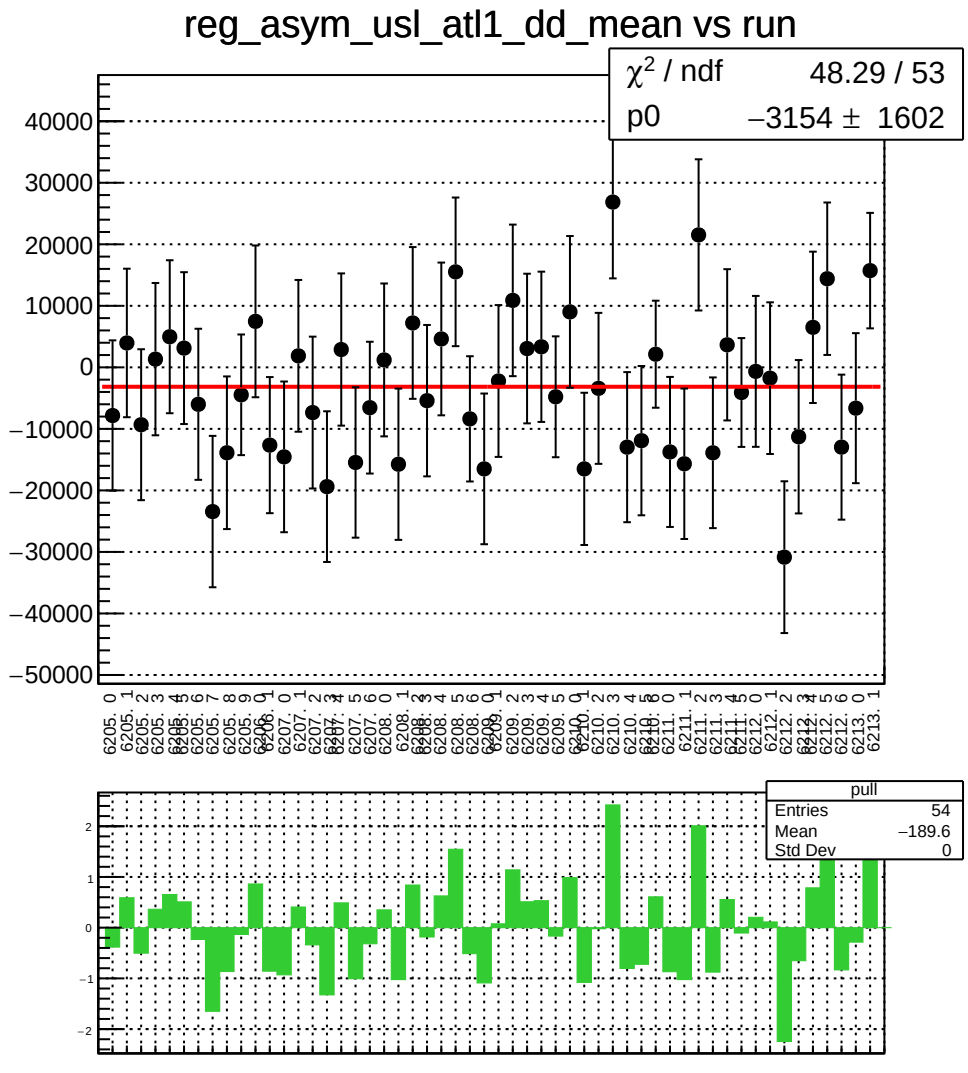
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

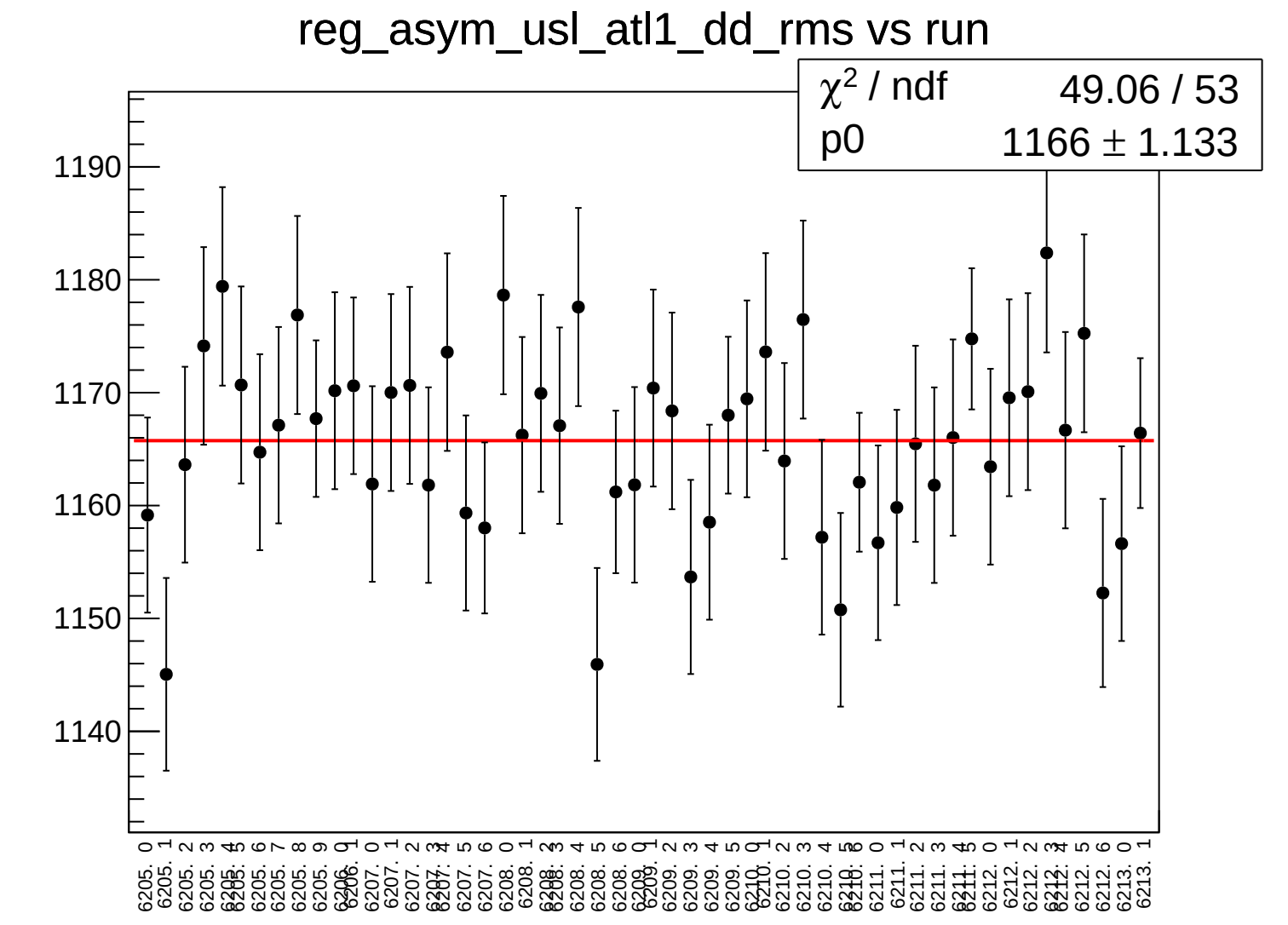

asym_usl_atl1_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 46.12 / 53
p0 −0.1161± 0.06426
pull
Entries 54
Mean −93.91
Std Dev 0
pull1D
Entries 54
Mean 0.01035
Std Dev 0.9241

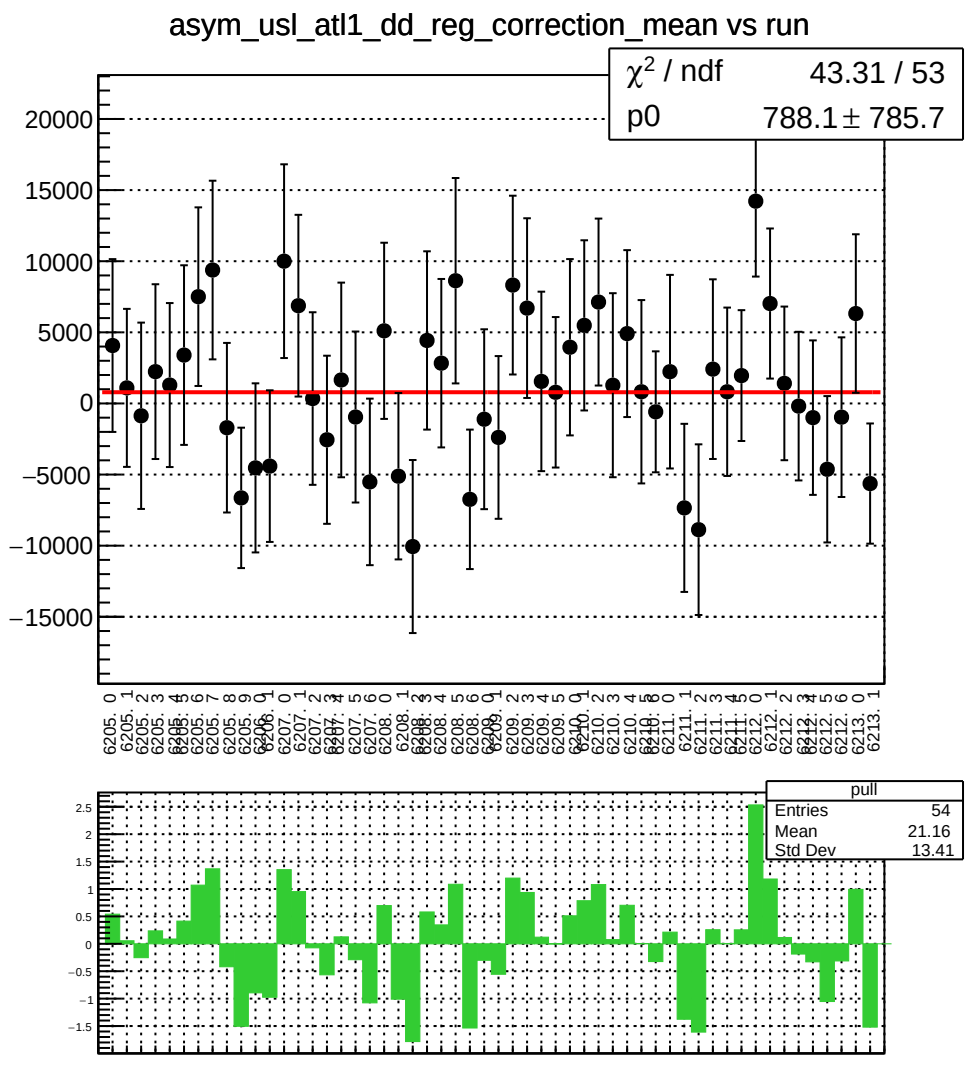

asym_usl_atl1_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.185e+05 / 53
p0 41.67 ± 0.04544
160
140
120
100
80
60
40
20

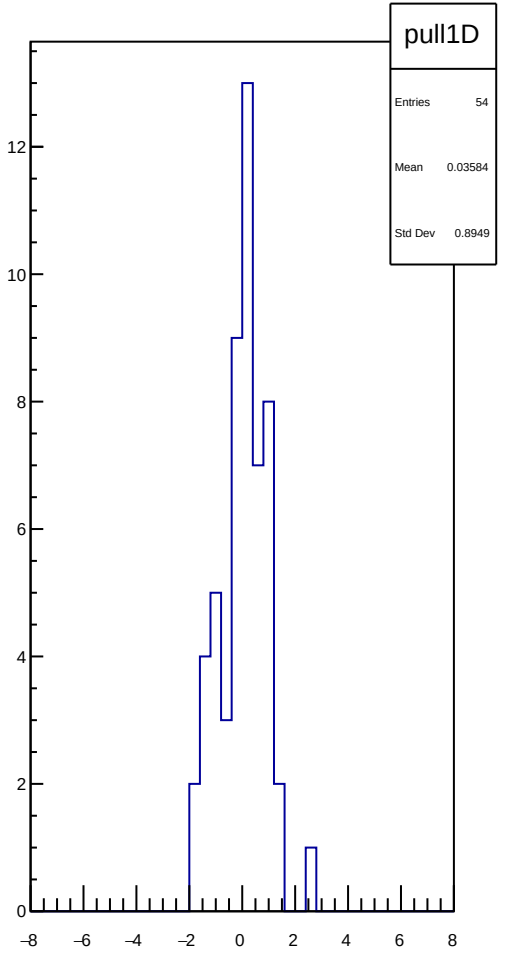

asym_usl_atl1_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 53.36 / 53
p0 −5.167e−14 ± 7.605e−14
pull
Entries 54
Mean 79.5
Std Dev 0
pull1D
Entries 54
Mean −0.05915
Std Dev 0.9923

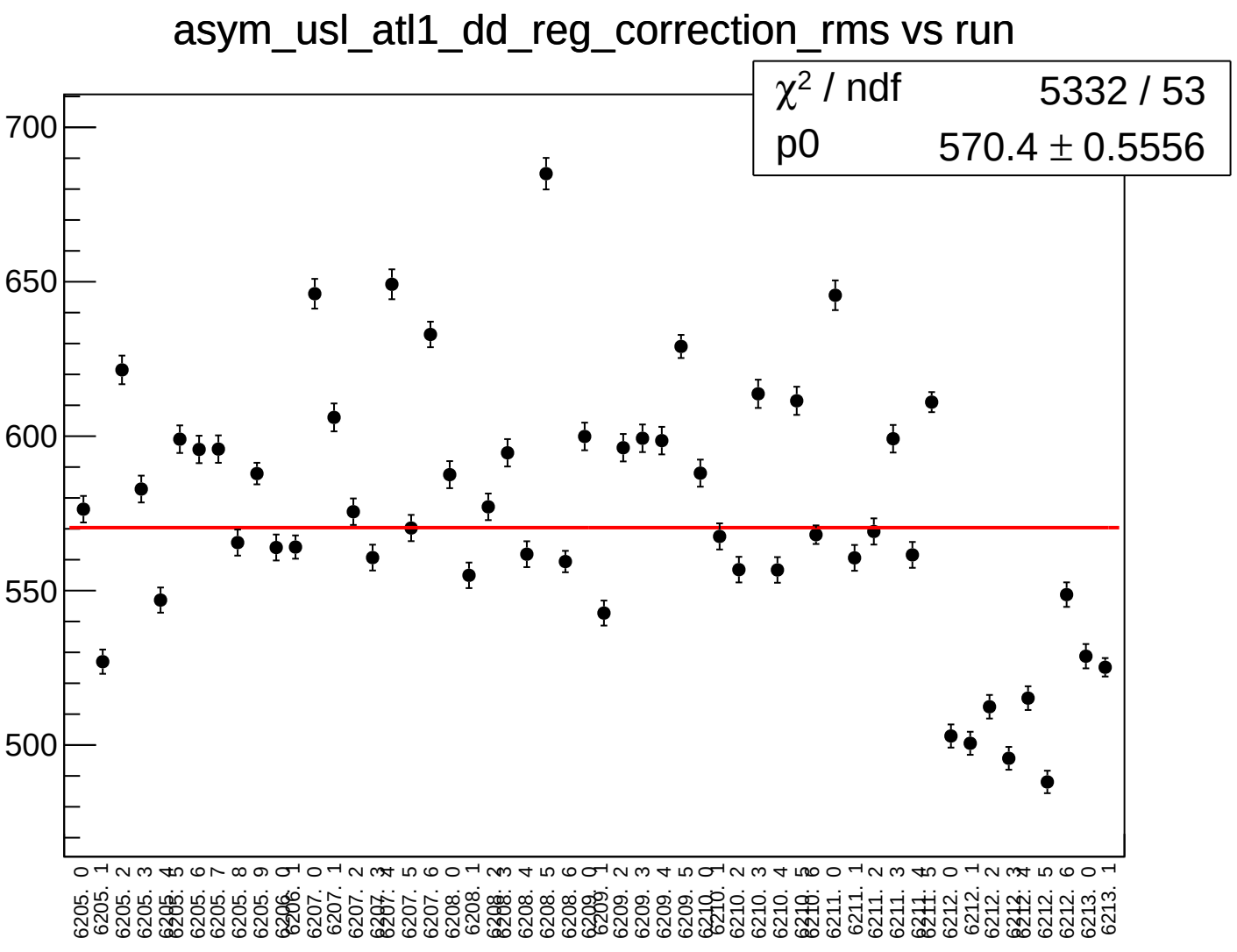

asym_usl_atl1_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.986e+05 / 53
p0 4.372e−11 ± 5.377e−14
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


reg_asym_usl_atl1_dd_mean vs run
χ² / ndf 48.29 / 53
p0 −3154 ± 1602
pull
Entries 54
Mean −189.6
Std Dev 0
pull1D
Entries 54
Mean −0.007958
Std Dev 0.9456


reg_asym_usl_atl1_dd_rms vs run
χ² / ndf 49.06 / 53
p0 1166 ± 1.133
1190
1180
1170
1160
1150
1140
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_usl_atl1_dd_reg_correction_mean vs run
χ² / ndf 43.31 / 53
p0 788.1 ± 785.7
pull
Entries 54
Mean 21.16
Std Dev 13.41


pull1D
Entries 54
Mean 0.03584
Std Dev 0.8949


asym_usl_atl1_dd_reg_correction_rms vs run
χ² / ndf 5332 / 53
p0 570.4 ± 0.5556
700
650
600
550
500
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
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6212. 1
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6212. 6
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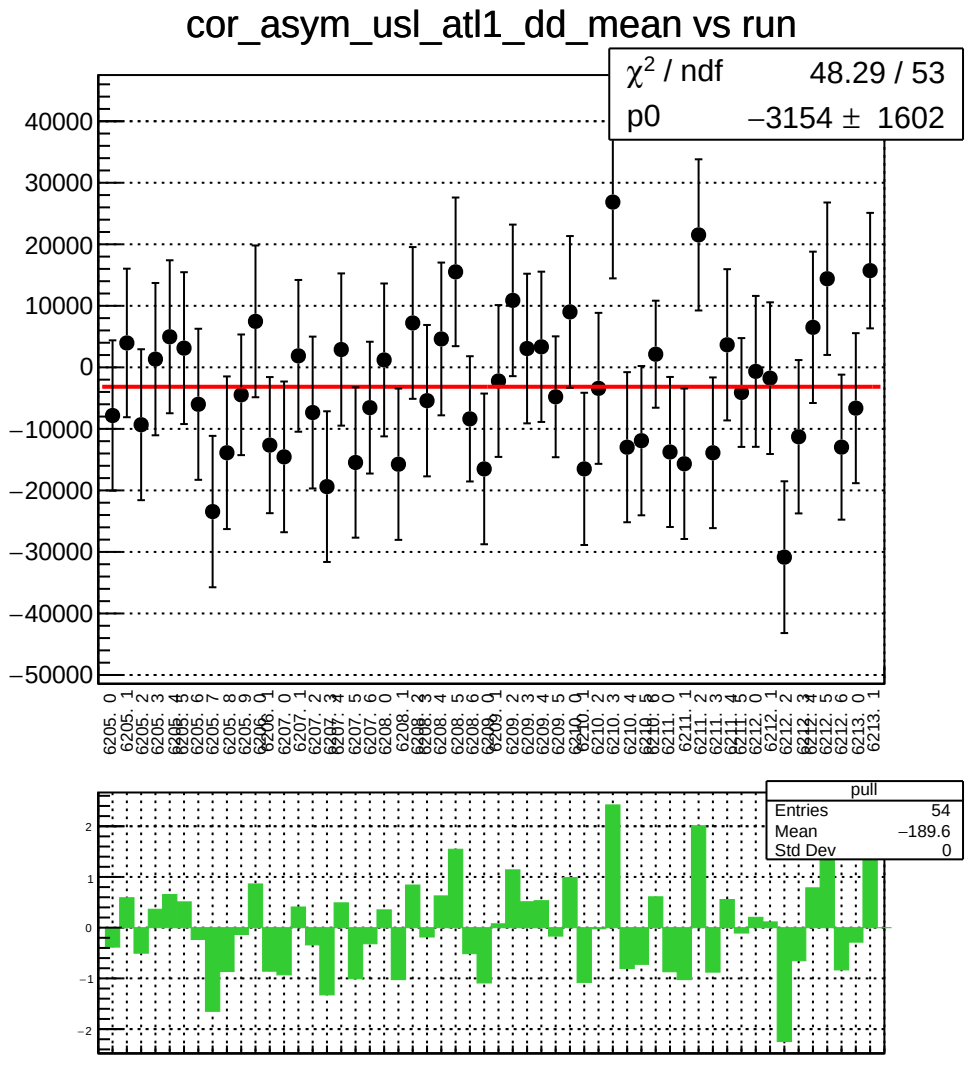
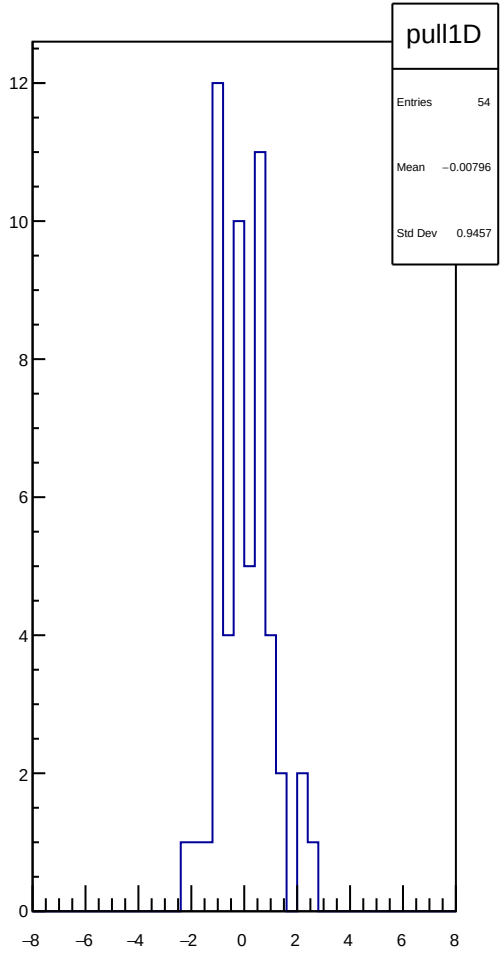
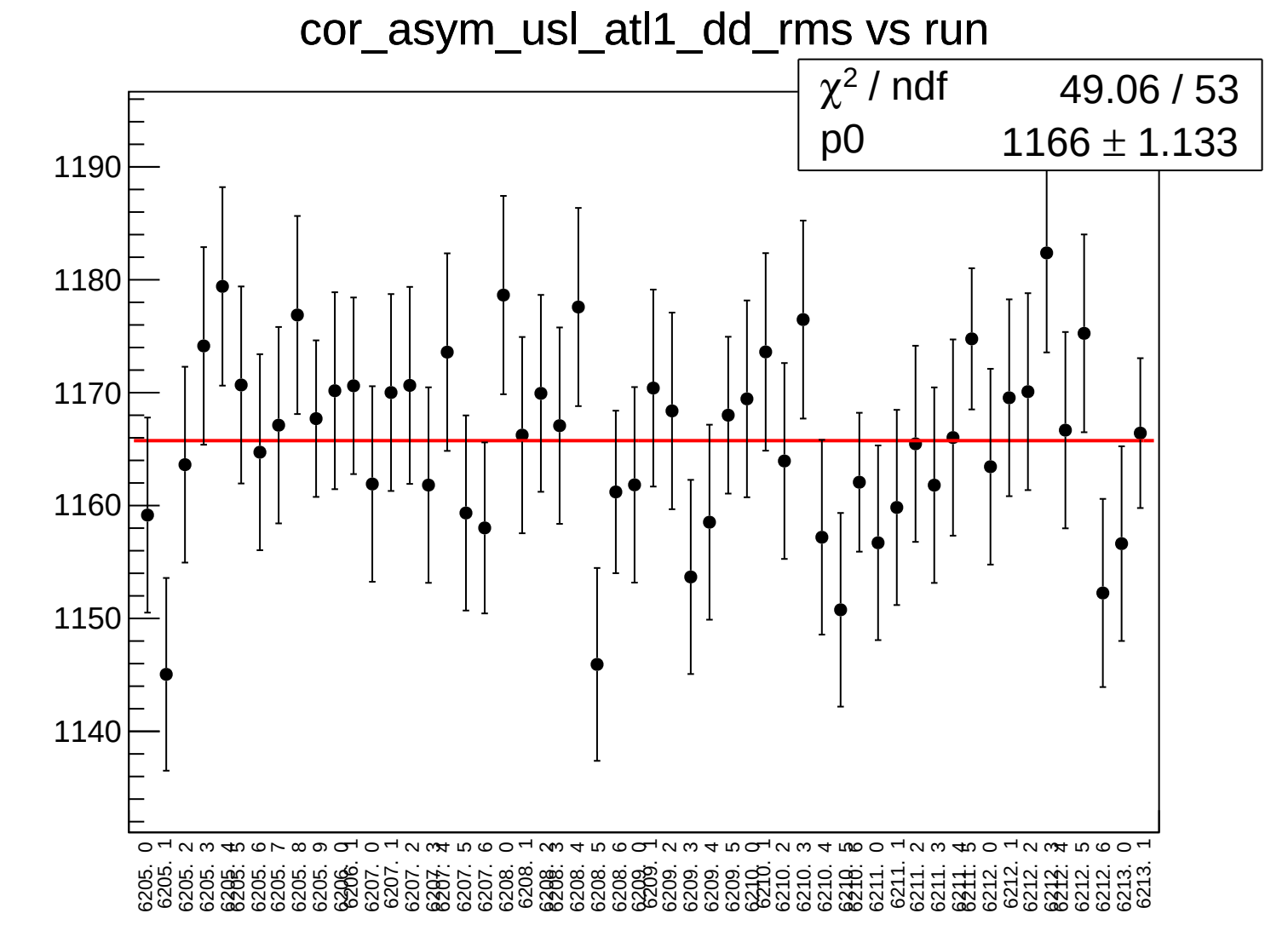
6213. 1


cor_asym_usl_atl1_dd_mean vs run
χ² / ndf 48.29 / 53
p0 −3154 ± 1602
pull
Entries 54
Mean −189.6
Std Dev 0


pull1D
Entries 54
Mean −0.00796
Std Dev 0.9457


cor_asym_usl_atl1_dd_rms vs run
χ² / ndf 49.06 / 53
p0 1166 ± 1.133
1190
1180
1170
1160
1150
1140
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
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6207. 6
6208. 0
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6208. 2
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6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
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6210. 1
6210. 2
6210. 3
6210. 4
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6211. 1
6211. 2
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6211. 4
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6212. 2
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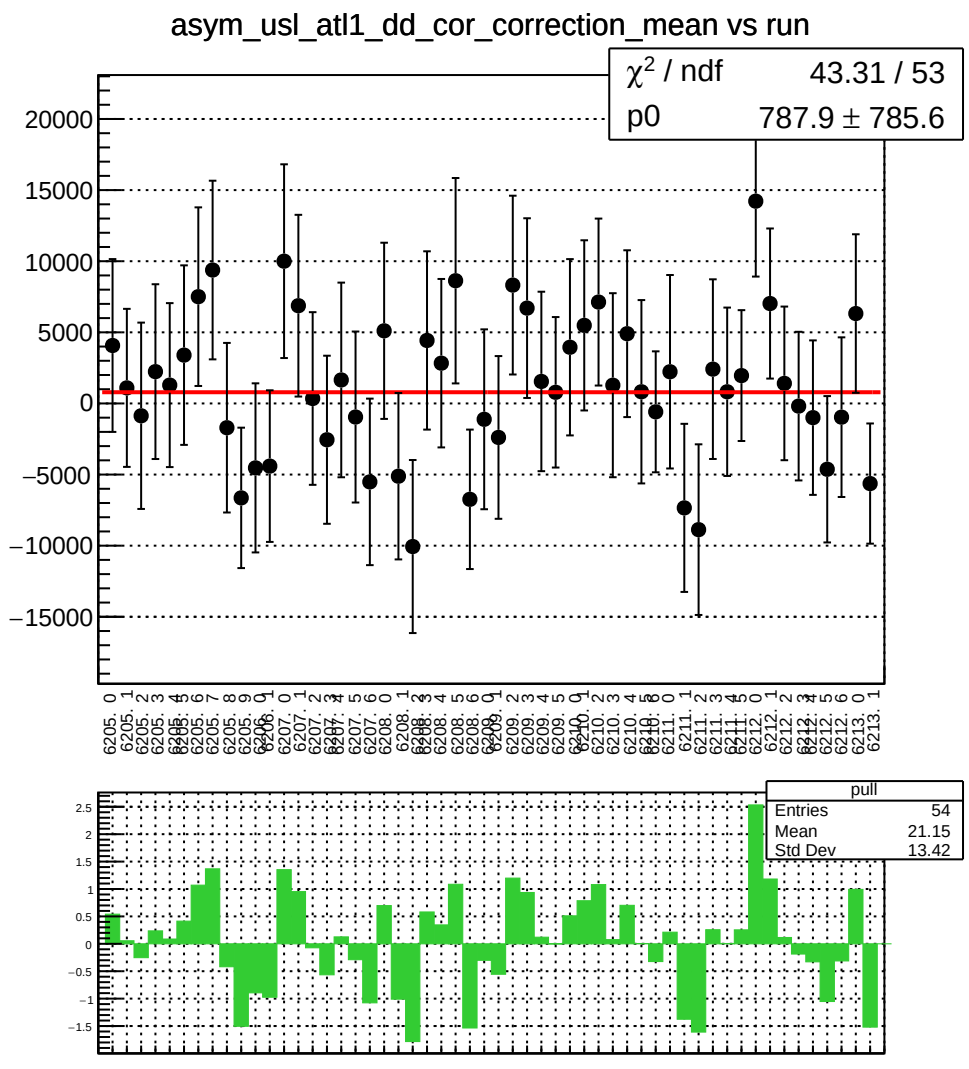
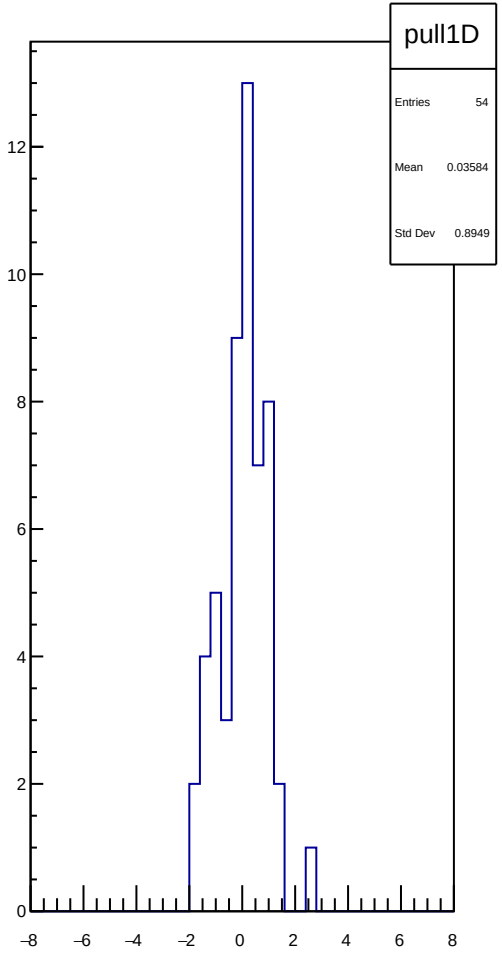
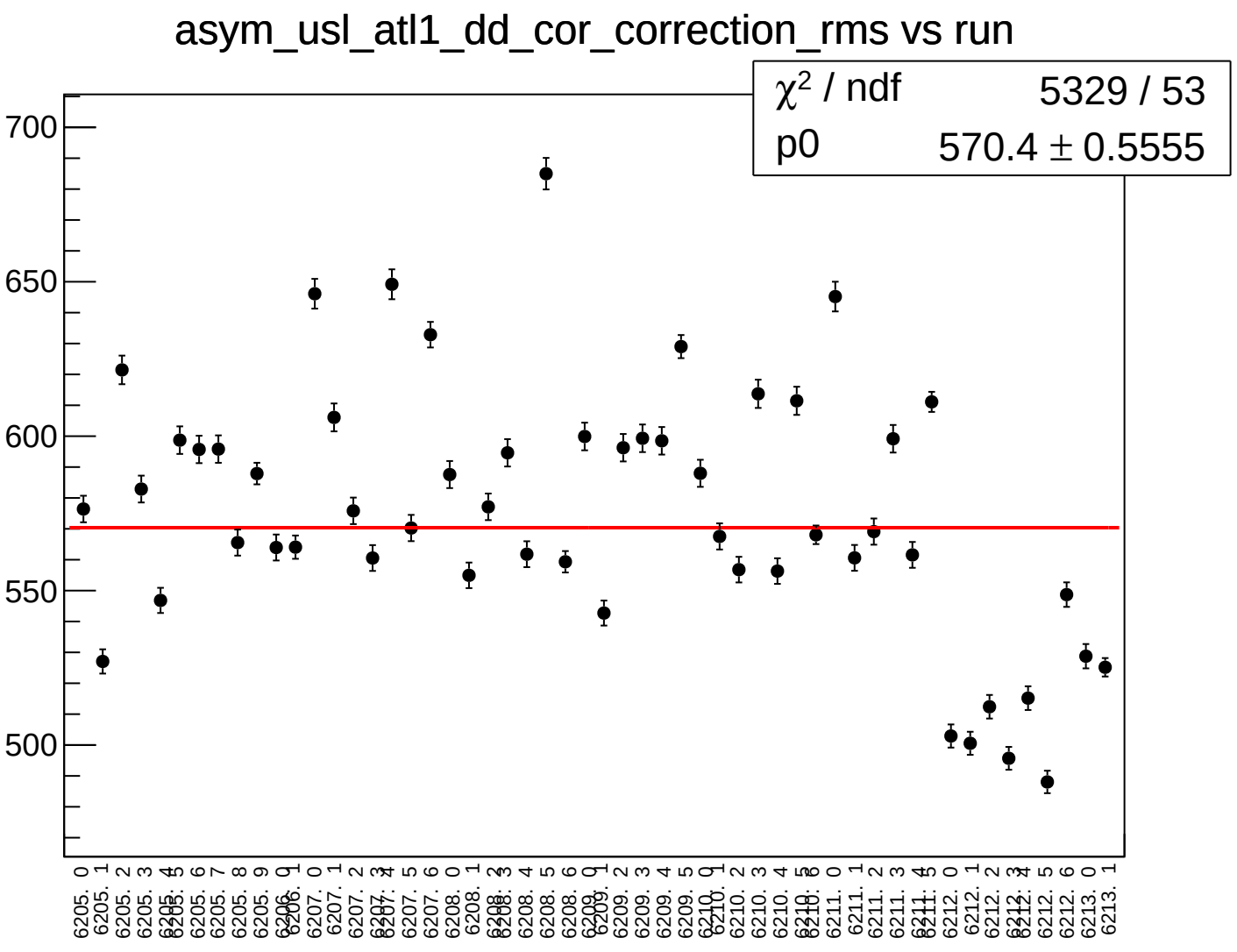
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_usl_atl1_dd_cor_correction_mean vs run
χ² / ndf 43.31 / 53
p0 787.9 ± 785.6
pull
Entries 54
Mean 21.15
Std Dev 13.42


pull1D
Entries 54
Mean 0.03584
Std Dev 0.8949


asym_usl_atl1_dd_cor_correction_rms vs run
χ² / ndf 5329 / 53
p0 570.4 ± 0.5555
700
650
600
550
500
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
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6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
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6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
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6210. 6
6211. 0
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6211. 4
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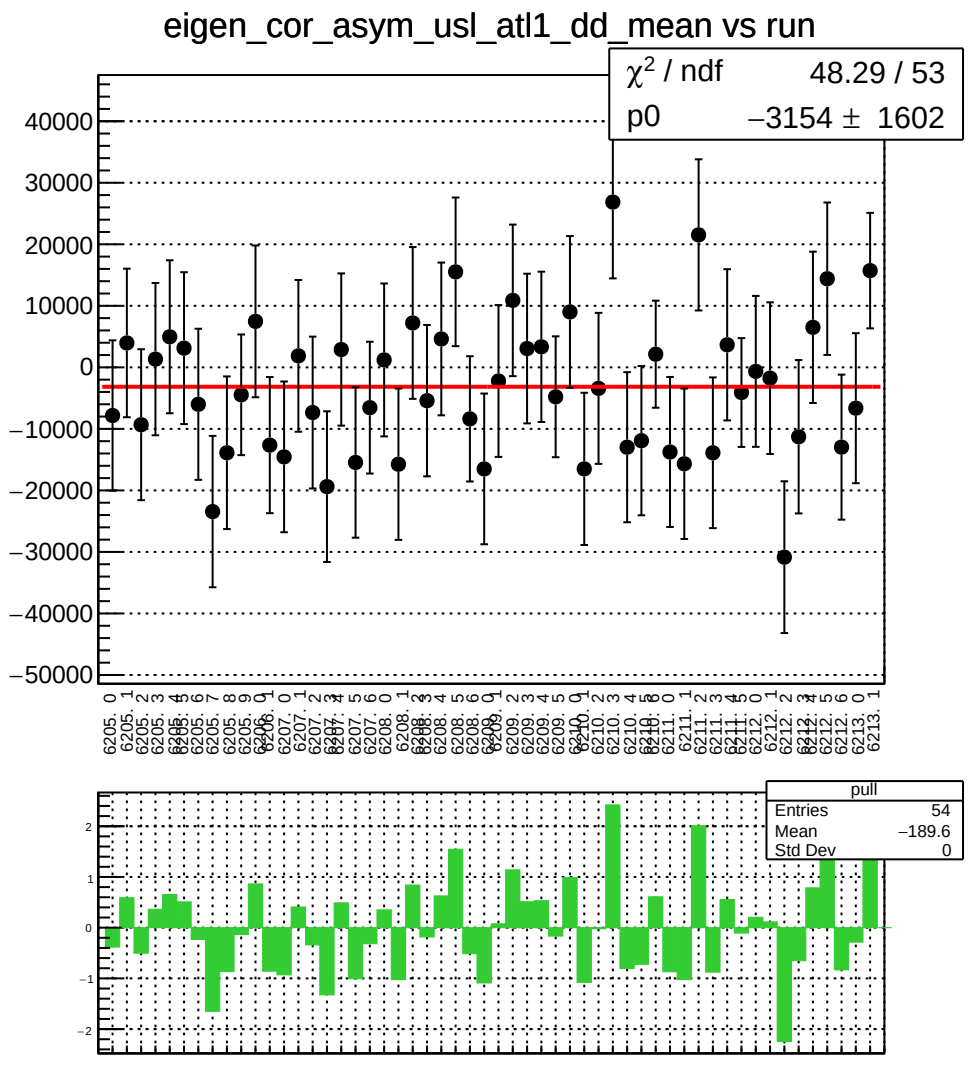
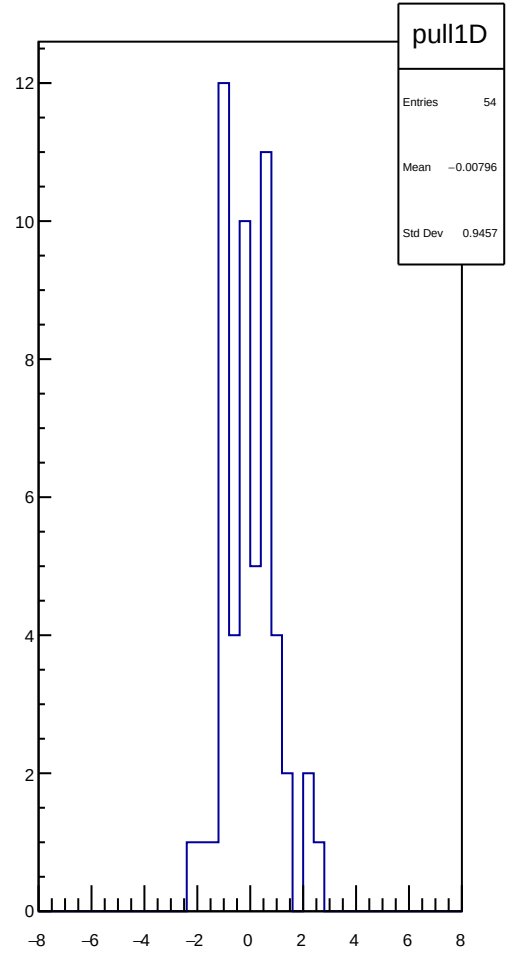
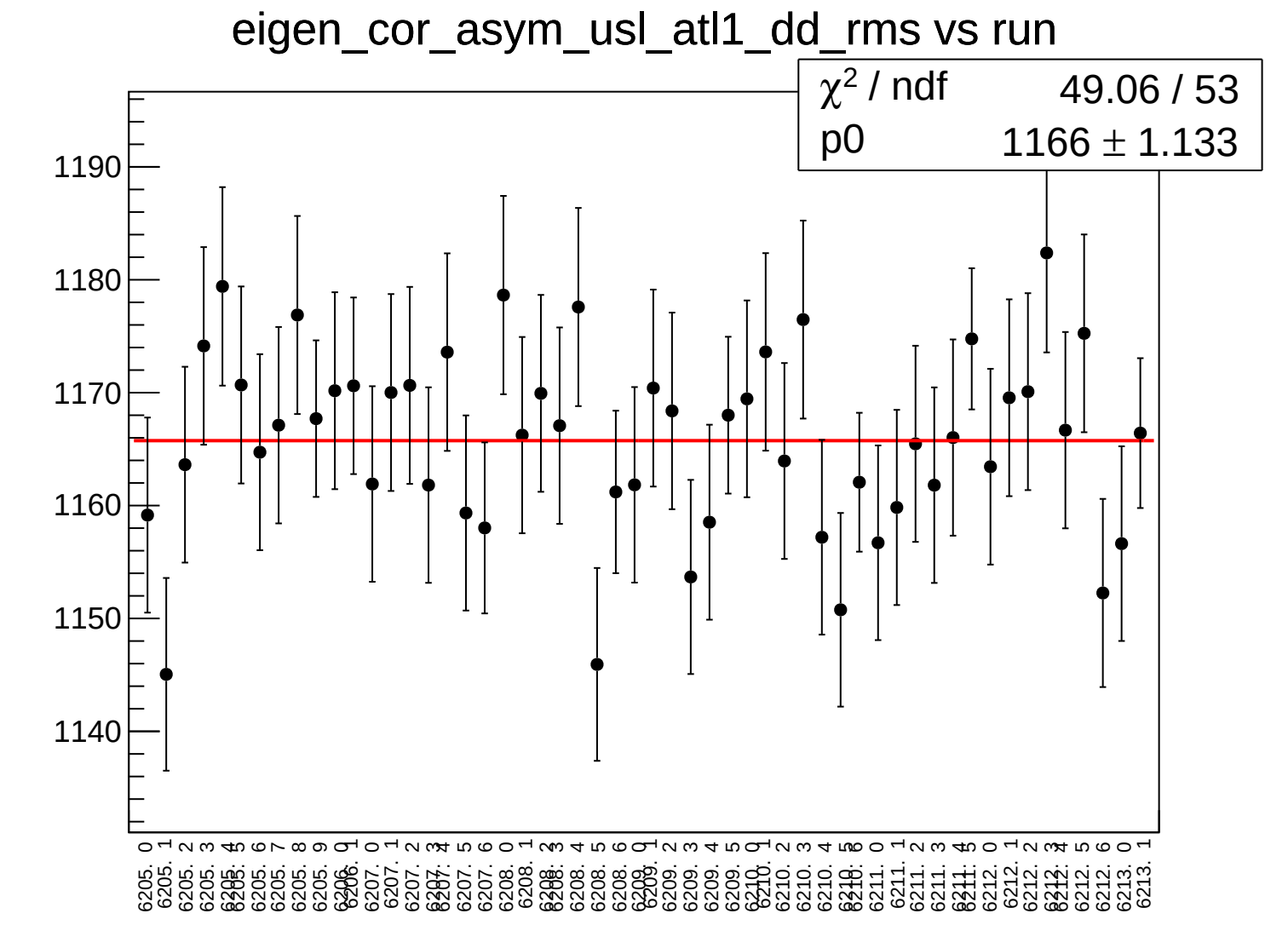
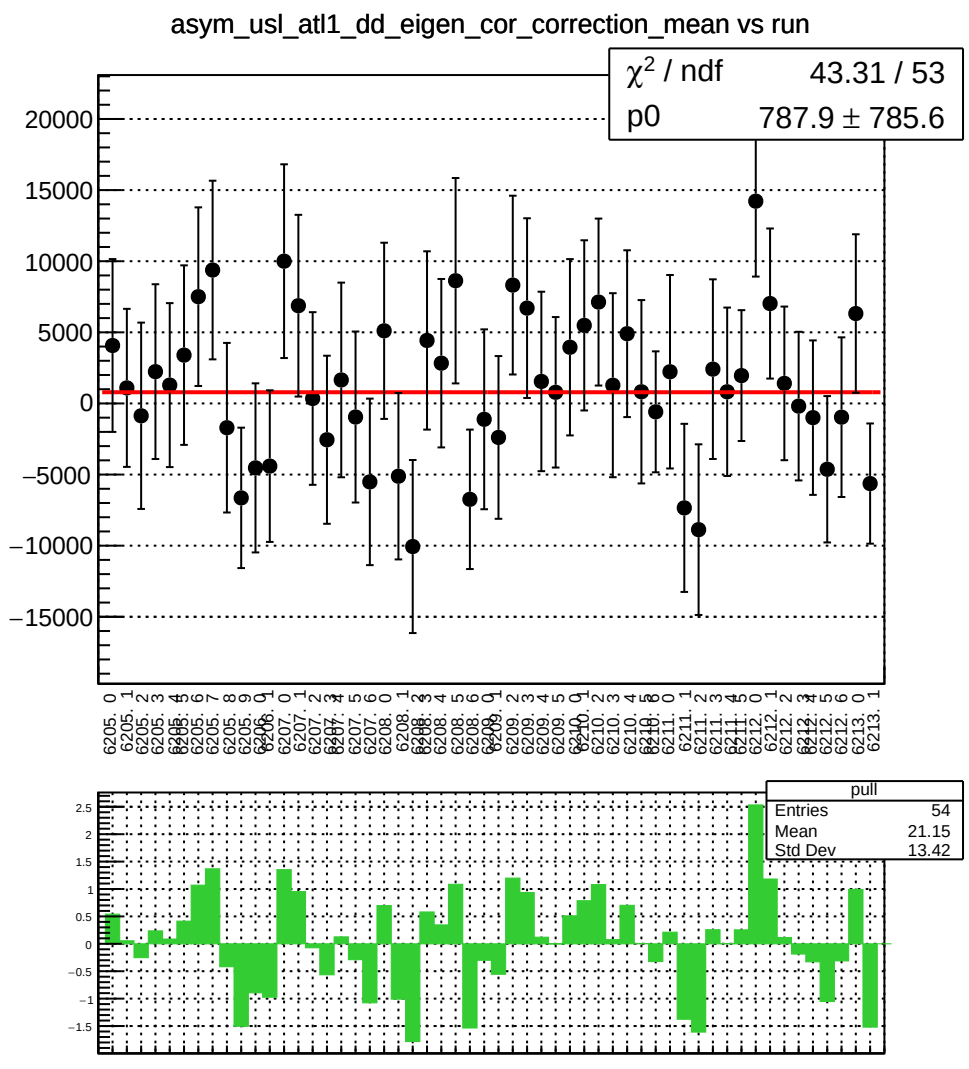
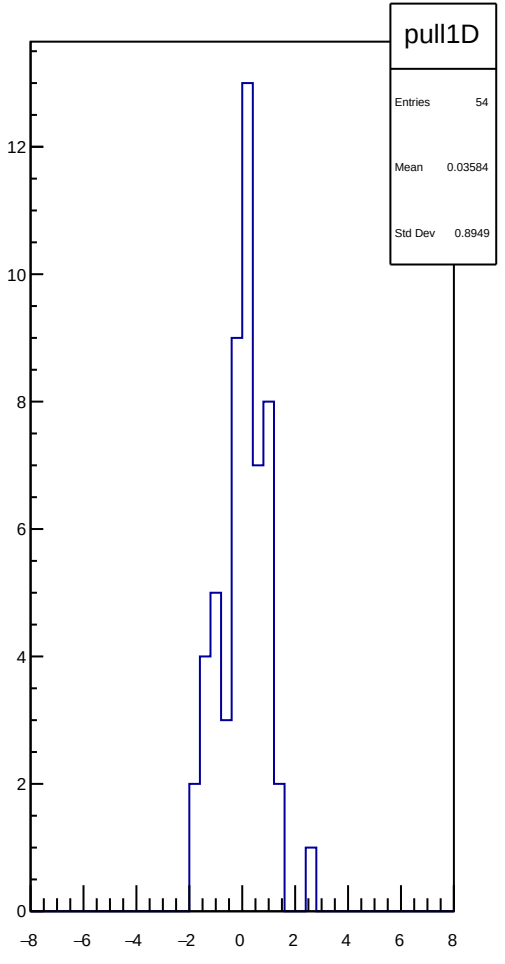
6213. 0
6213. 1

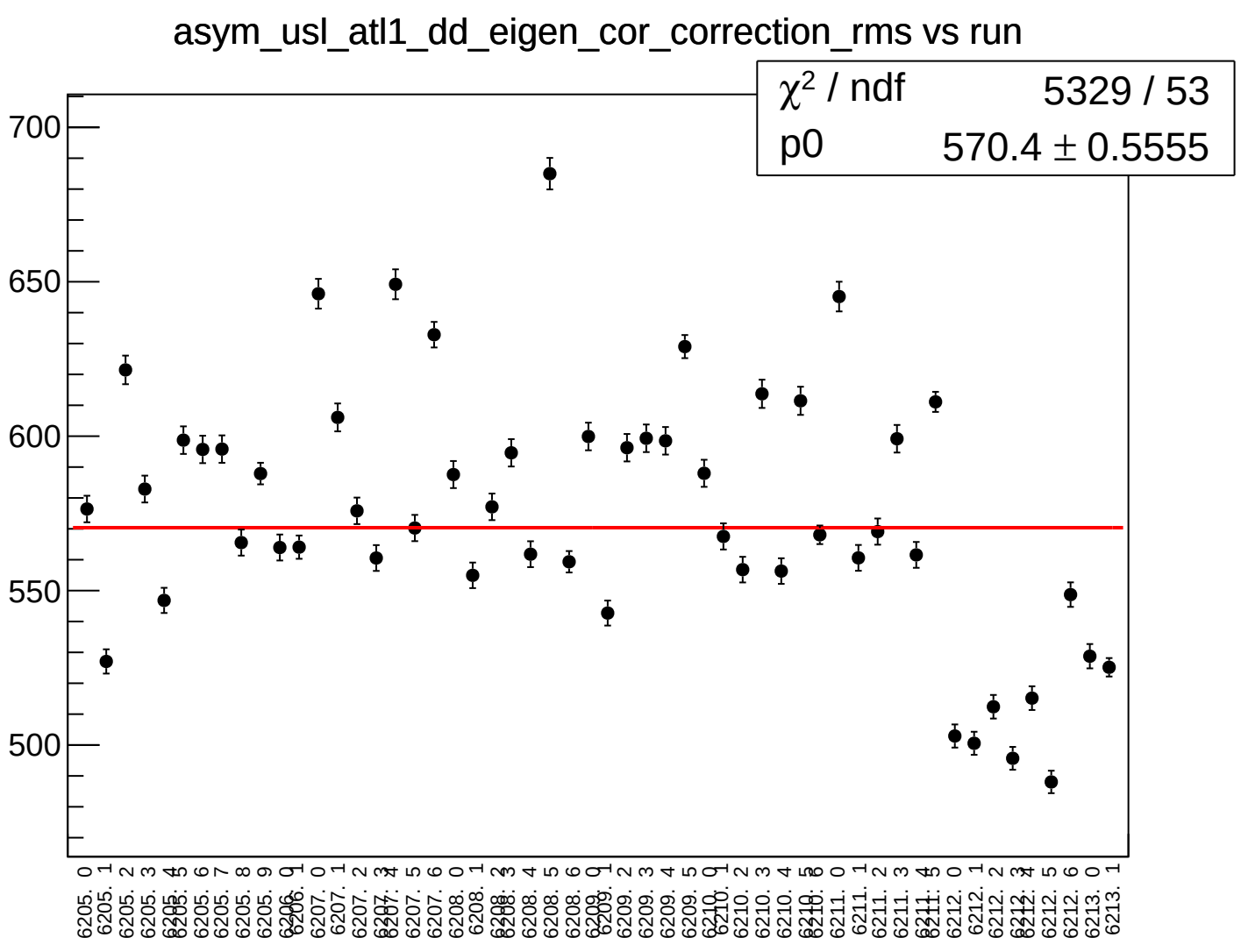

eigen_cor_asym_usl_atl1_dd_mean vs run
χ² / ndf 48.29 / 53
p0 −3154 ± 1602
pull
Entries 54
Mean −189.6
Std Dev 0

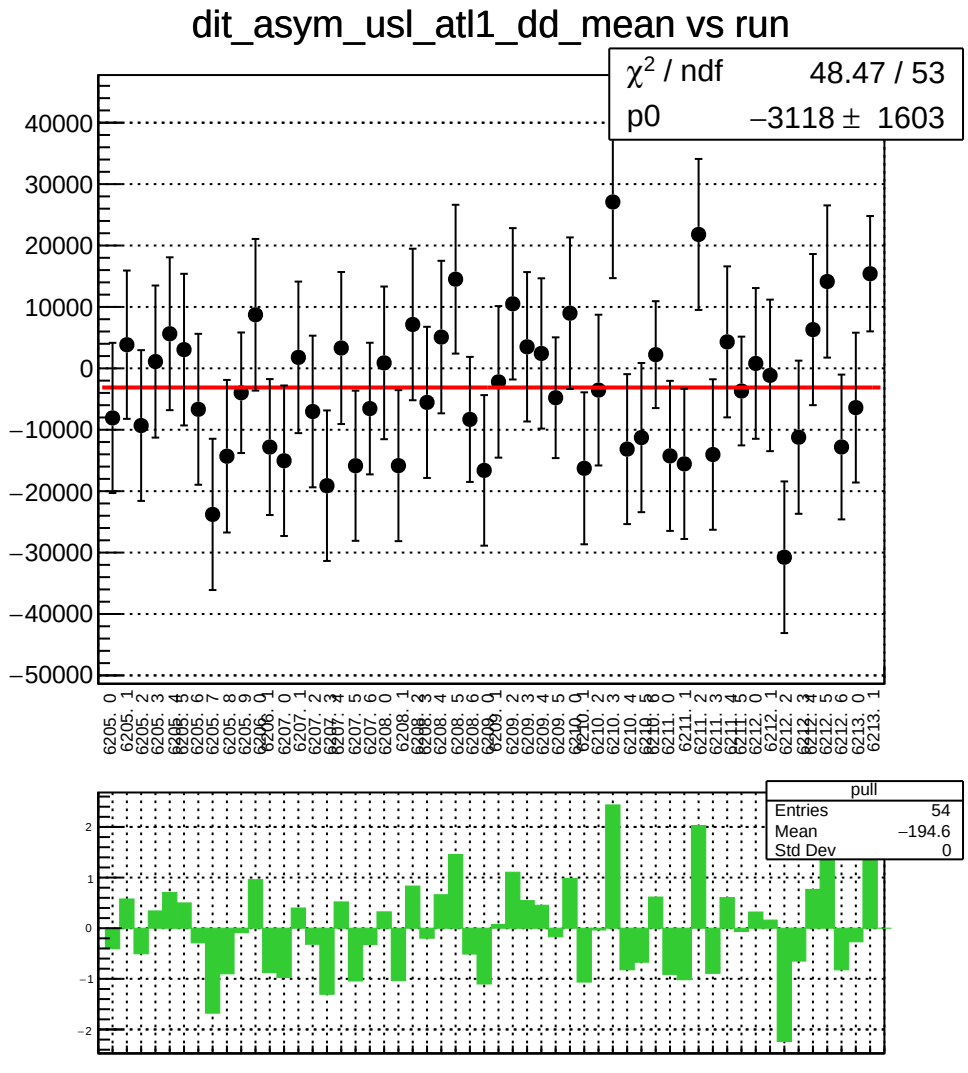

pull1D
Entries 54
Mean −0.00796
Std Dev 0.9457

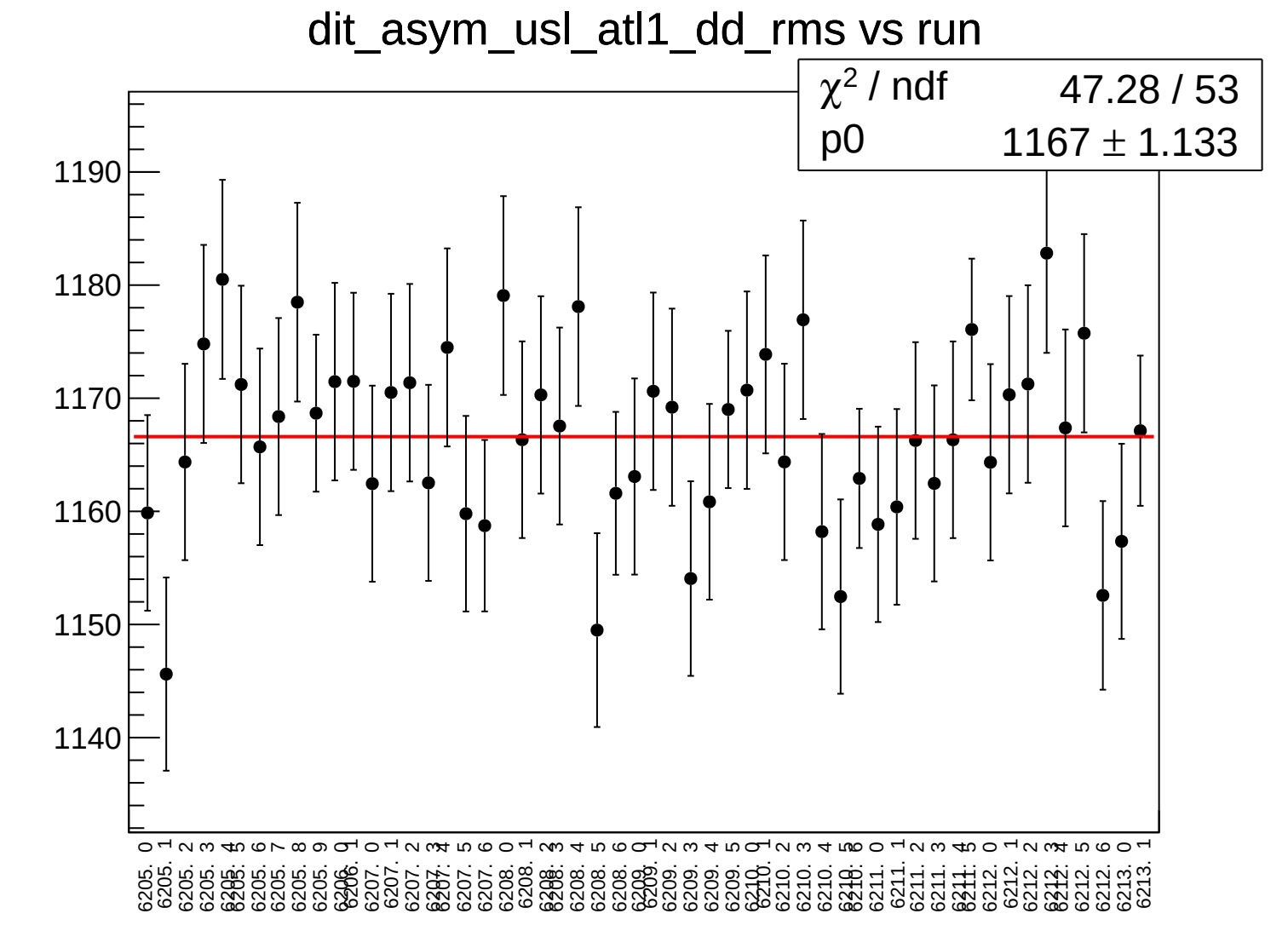

eigen_cor_asym_usl_atl1_dd_rms vs run
χ² / ndf 49.06 / 53
p0 1166 ± 1.133
1190
1180
1170
1160
1150
1140
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

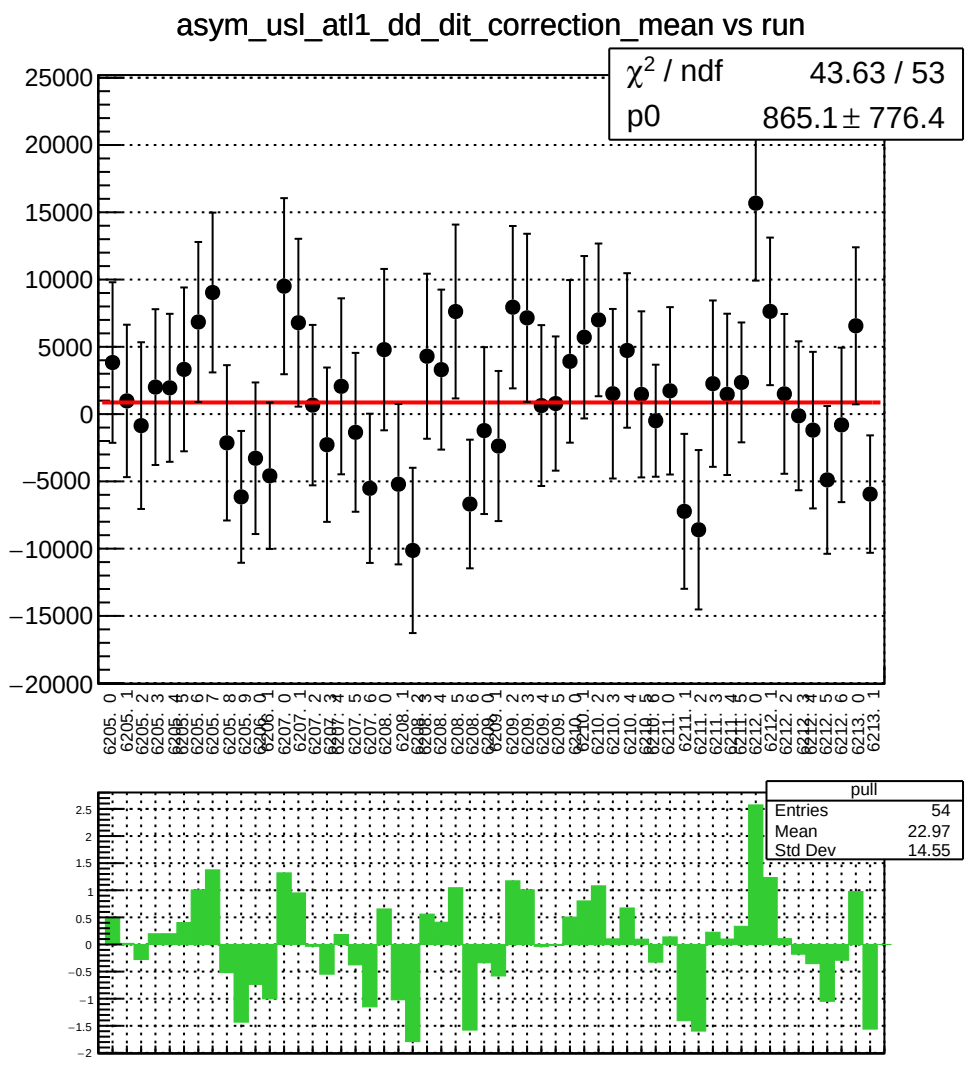

asym_usl_atl1_dd_eigen_cor_correction_mean vs run
χ² / ndf 43.31 / 53
p0 787.9 ± 785.6
pull
Entries 54
Mean 21.15
Std Dev 13.42

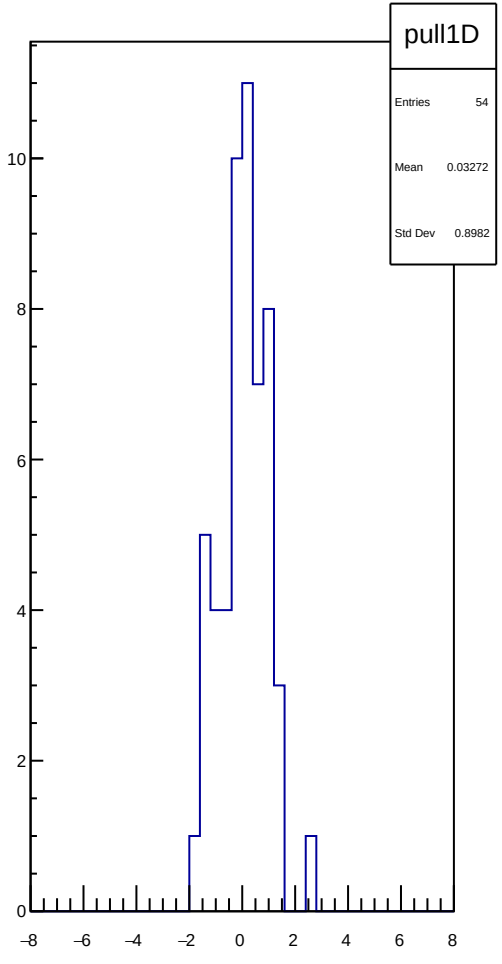

pull1D
Entries 54
Mean 0.03584
Std Dev 0.8949

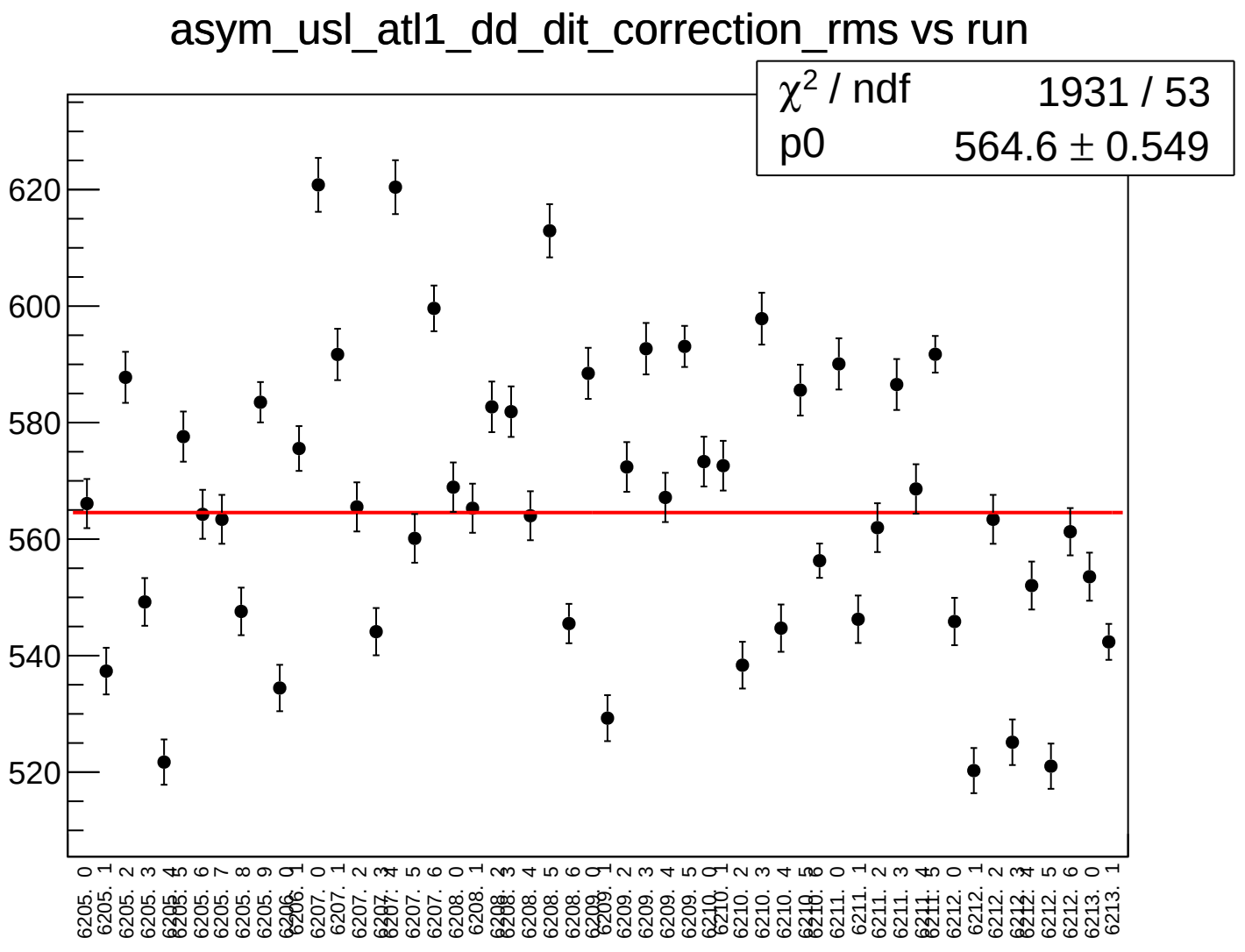

asym_usl_atl1_dd_eigen_cor_correction_rms vs run
χ² / ndf 5329 / 53
p0 570.4 ± 0.5555
700
650
600
550
500

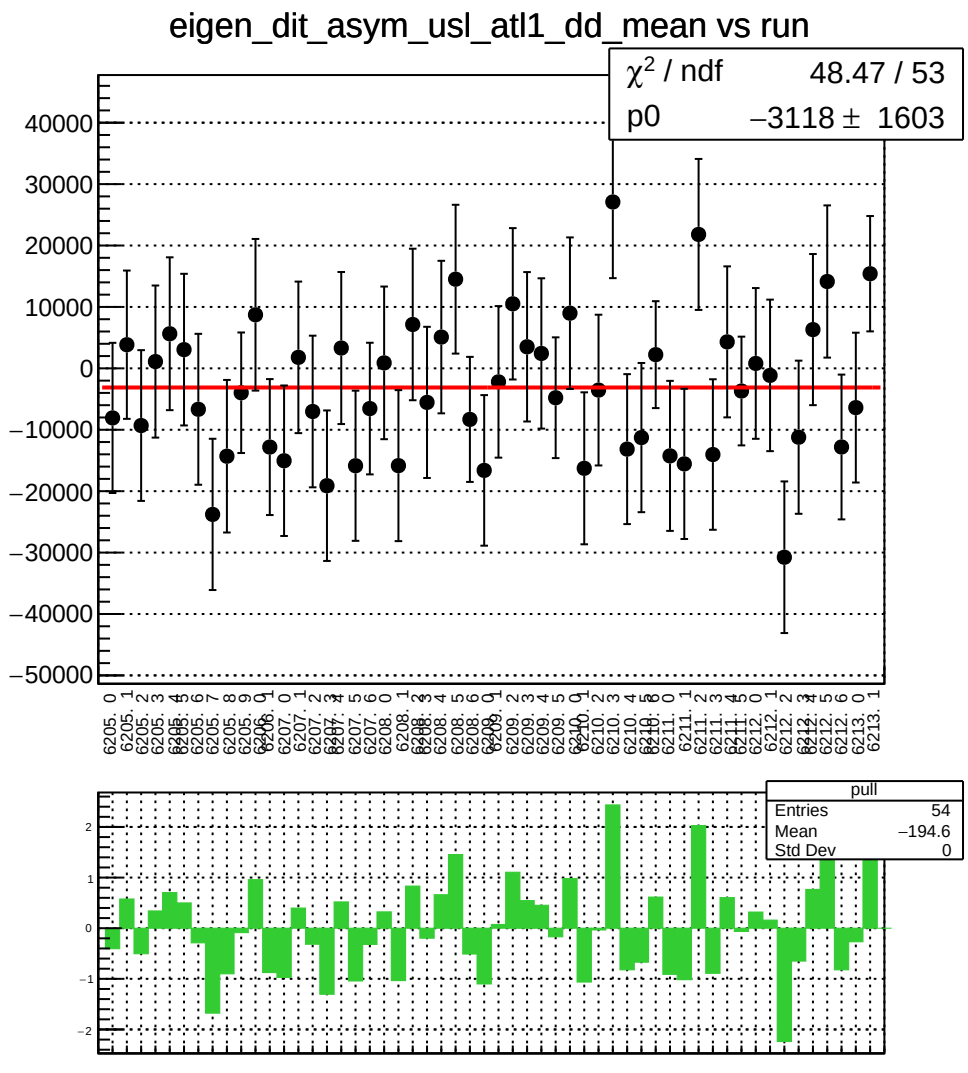

dit_asym_usl_atl1_dd_mean vs run
χ² / ndf 48.47 / 53
p0 −3118 ± 1603
pull
Entries 54
Mean −194.6
Std Dev 0
pull1D
Entries 54
Mean −0.008188
Std Dev 0.9474

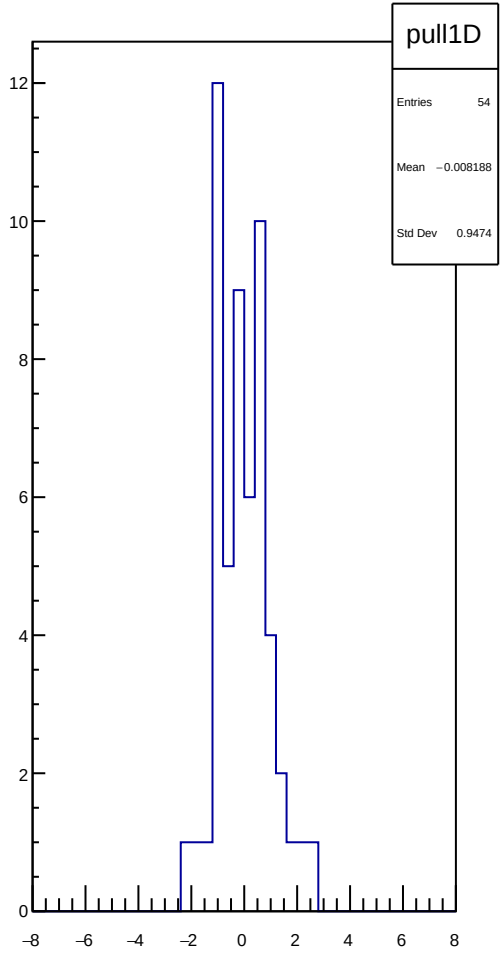

dit_asym_usl_atl1_dd_rms vs run
χ² / ndf 47.28 / 53
p0 1167 ± 1.133
1190
1180
1170
1160
1150
1140
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

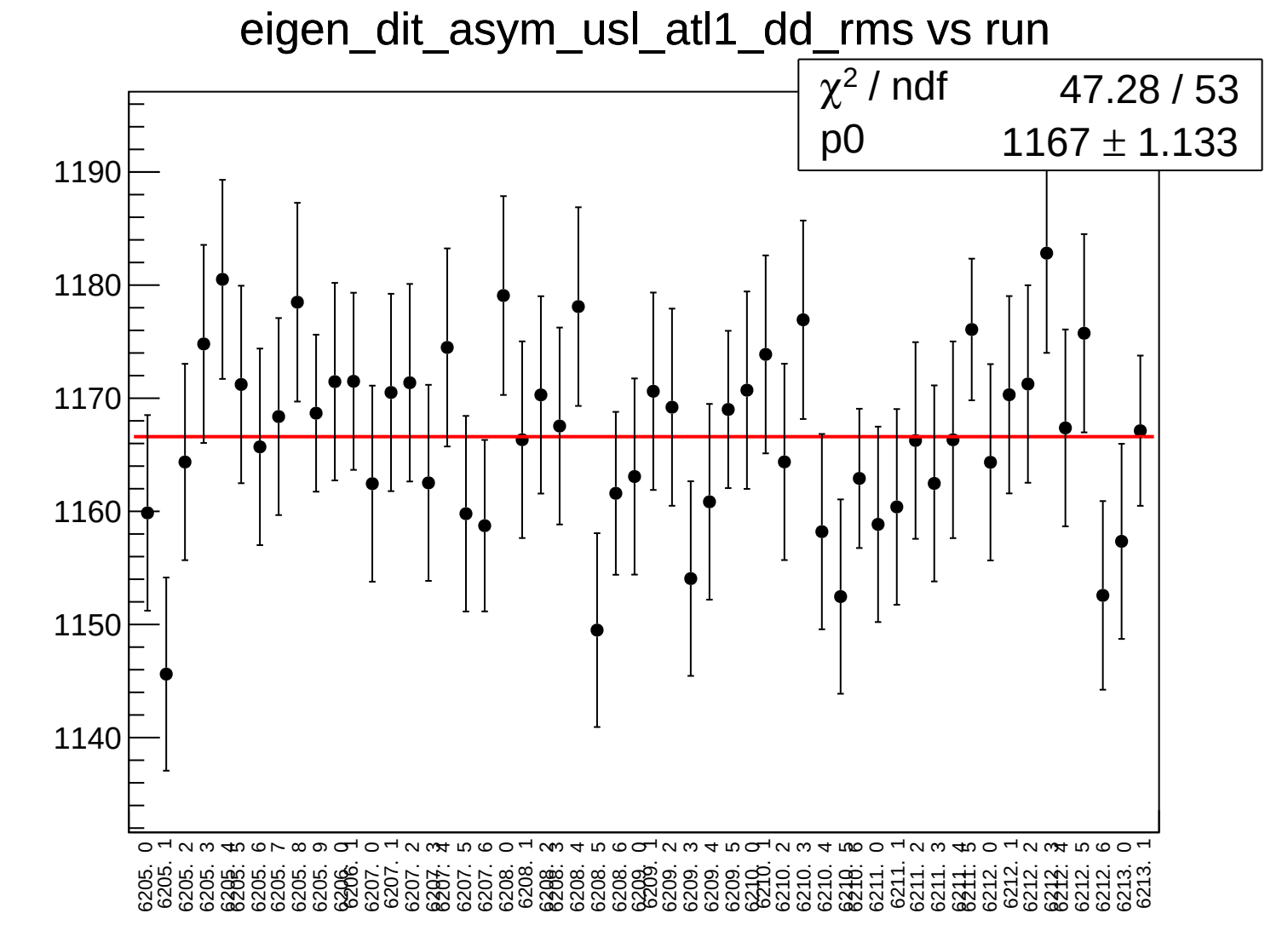

asym_usl_atl1_dd_dit_correction_mean vs run
χ² / ndf 43.63 / 53
p0 865.1 ± 776.4
pull
Entries 54
Mean 22.97
Std Dev 14.55

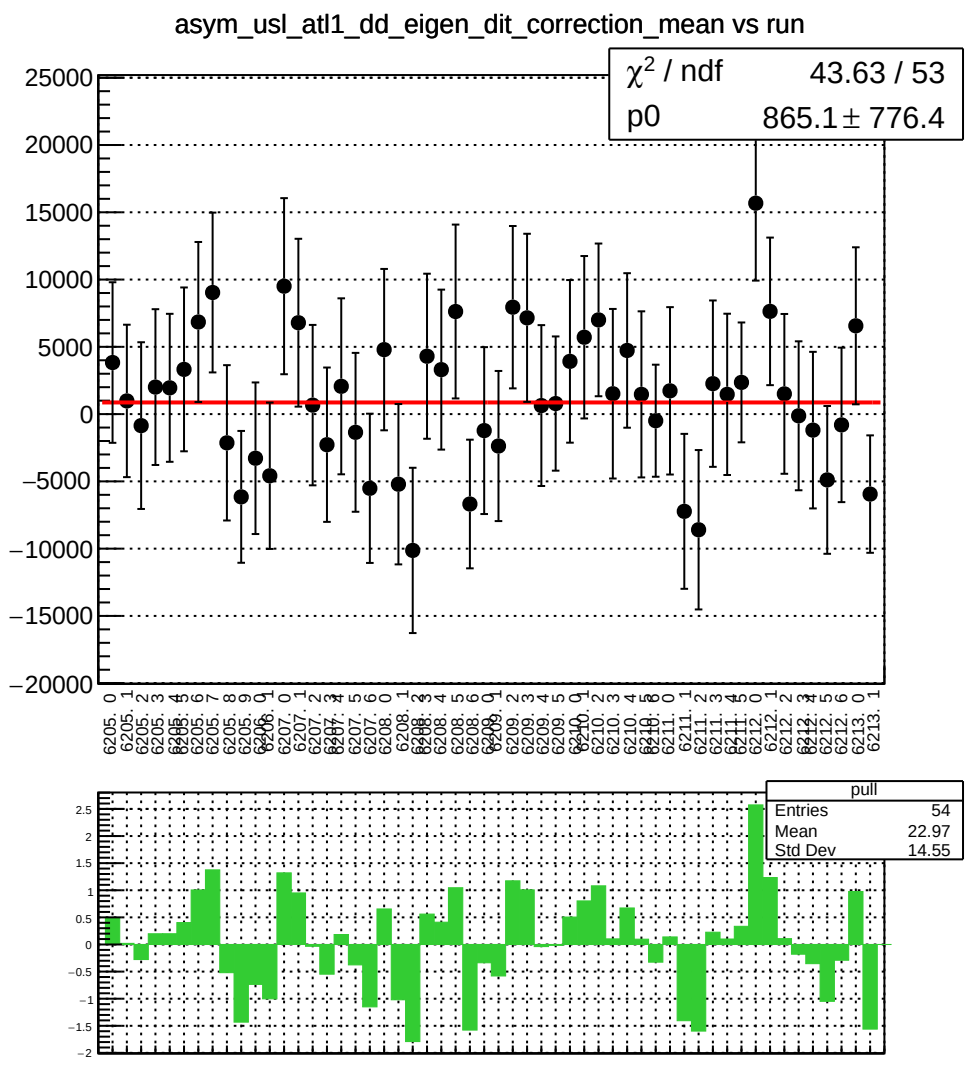

pull1D
Entries 54
Mean 0.03272
Std Dev 0.8982

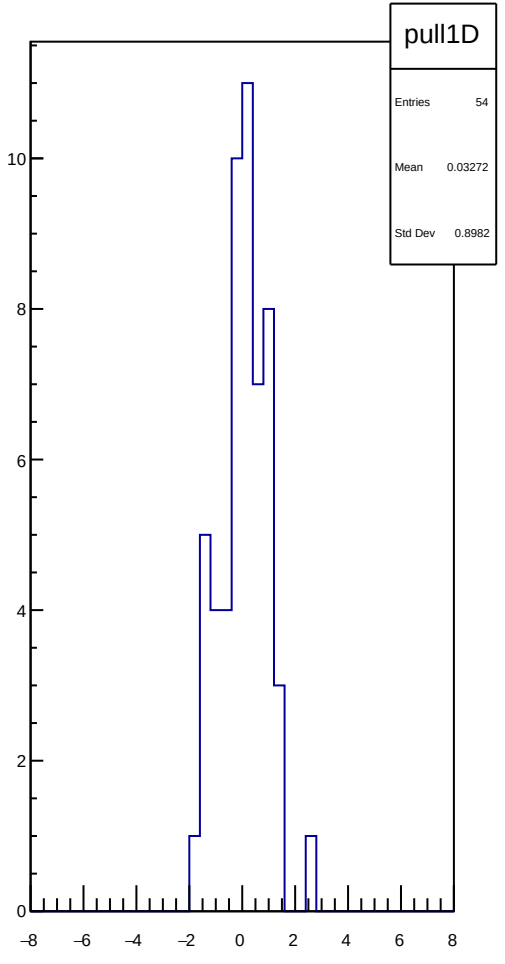

asym_usl_atl1_dd_dit_correction_rms vs run
χ² / ndf 1931 / 53
p0 564.6 ± 0.549
620
600
580
560
540
520
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

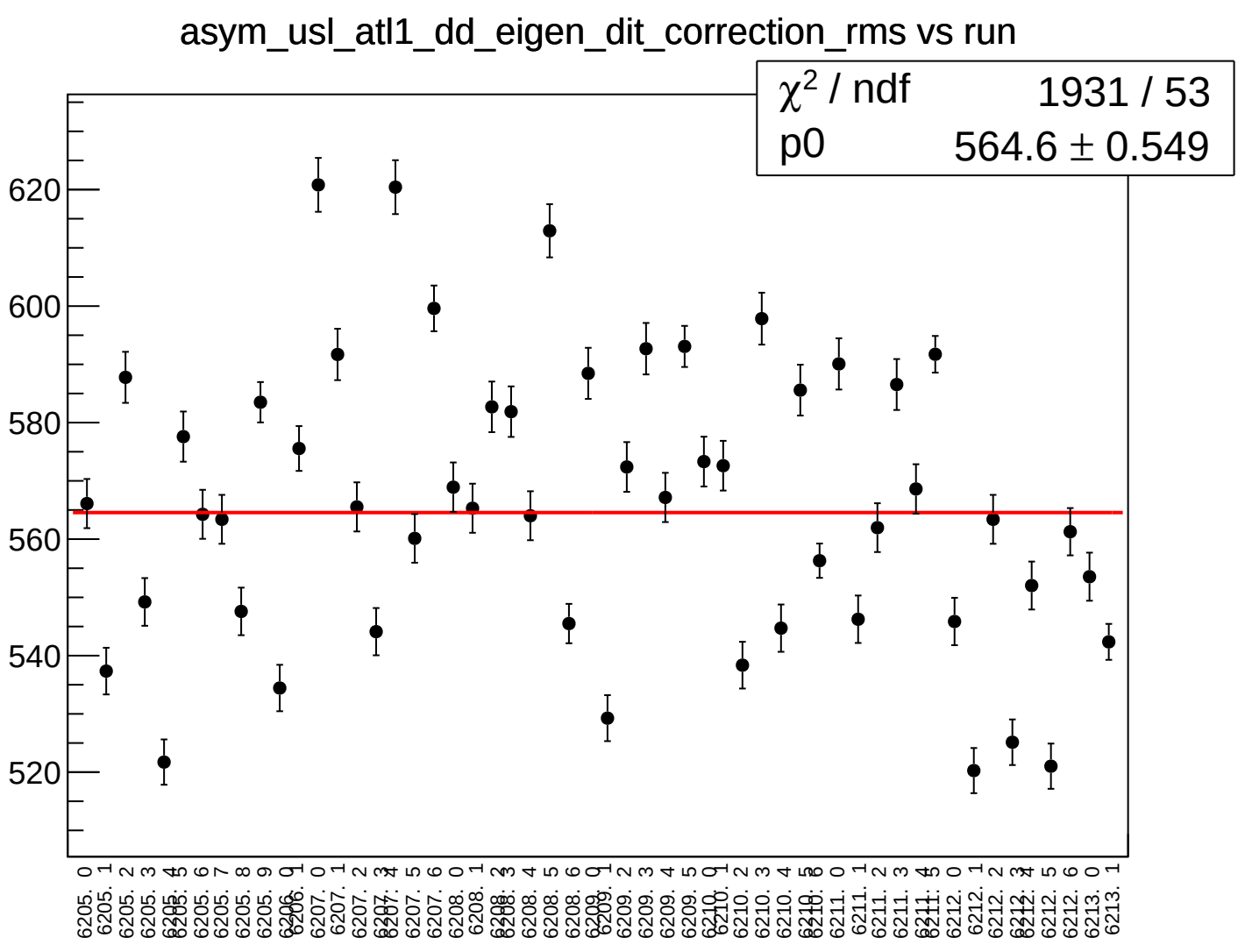

eigen_dit_asym_usl_atl1_dd_mean vs run
χ² / ndf 48.47 / 53
p0 −3118 ± 1603
pull
Entries 54
Mean −194.6
Std Dev 0

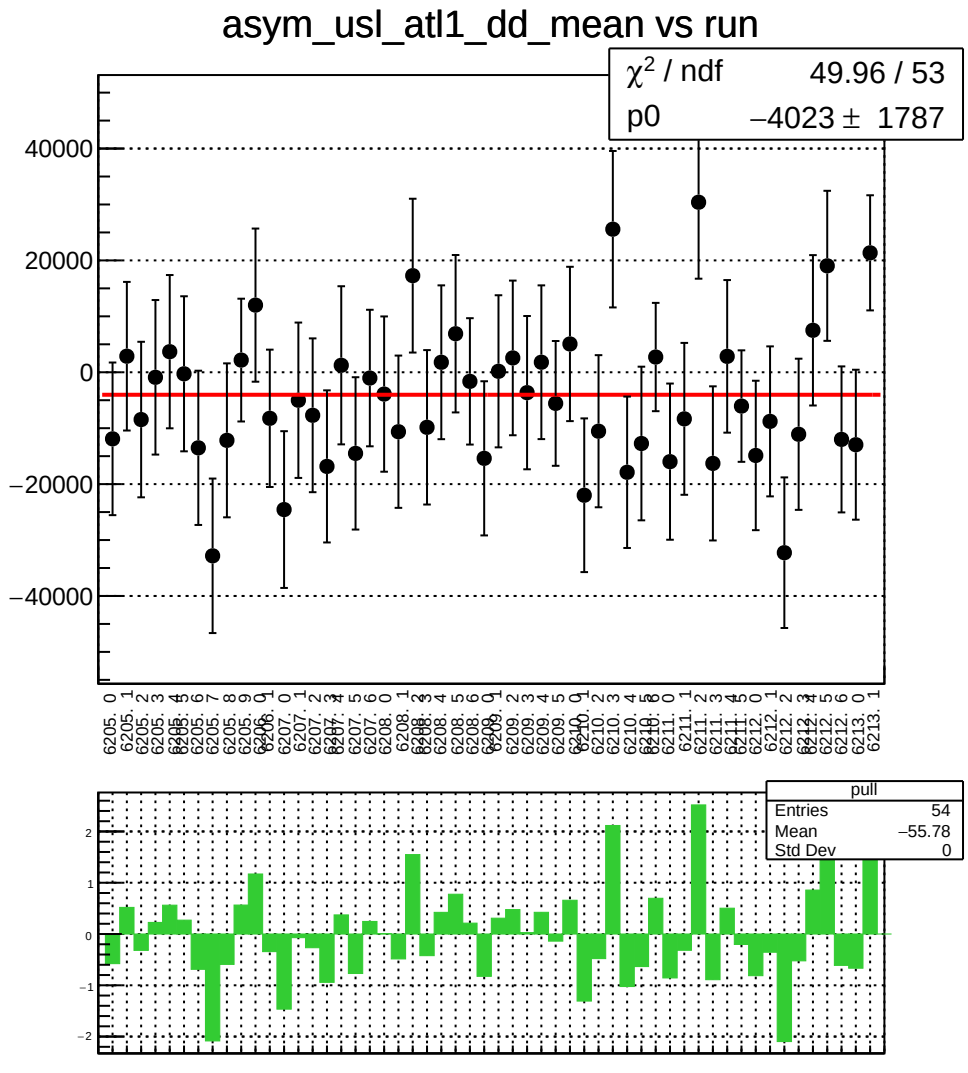

pull1D
Entries 54
Mean −0.008188
Std Dev 0.9474

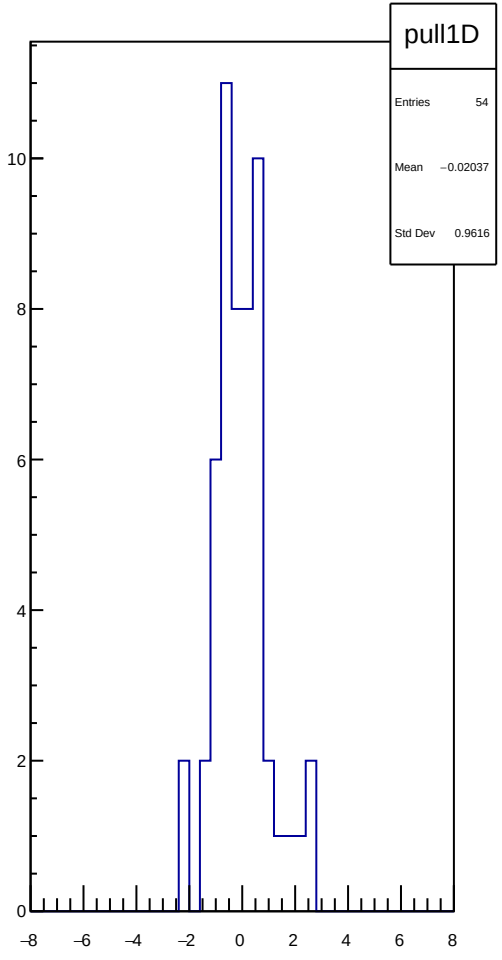

eigen_dit_asym_usl_atl1_dd_rms vs run
χ² / ndf 47.28 / 53
p0 1167 ± 1.133
1190
1180
1170
1160
1150
1140
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

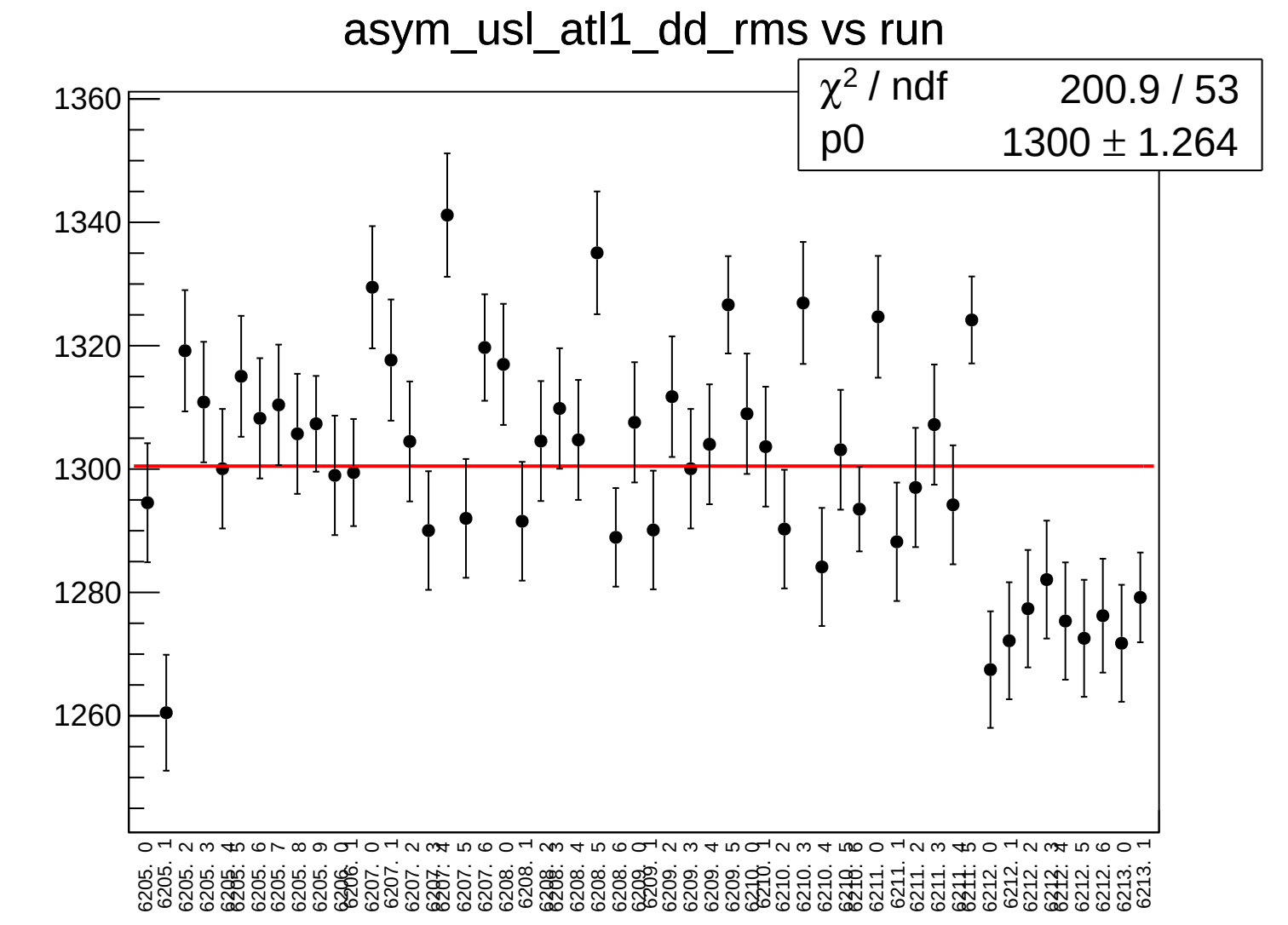

asym_usl_atl1_dd_eigen_dit_correction_mean vs run
χ² / ndf 43.63 / 53
p0 865.1 ± 776.4
pull
Entries 54
Mean 22.97
Std Dev 14.55

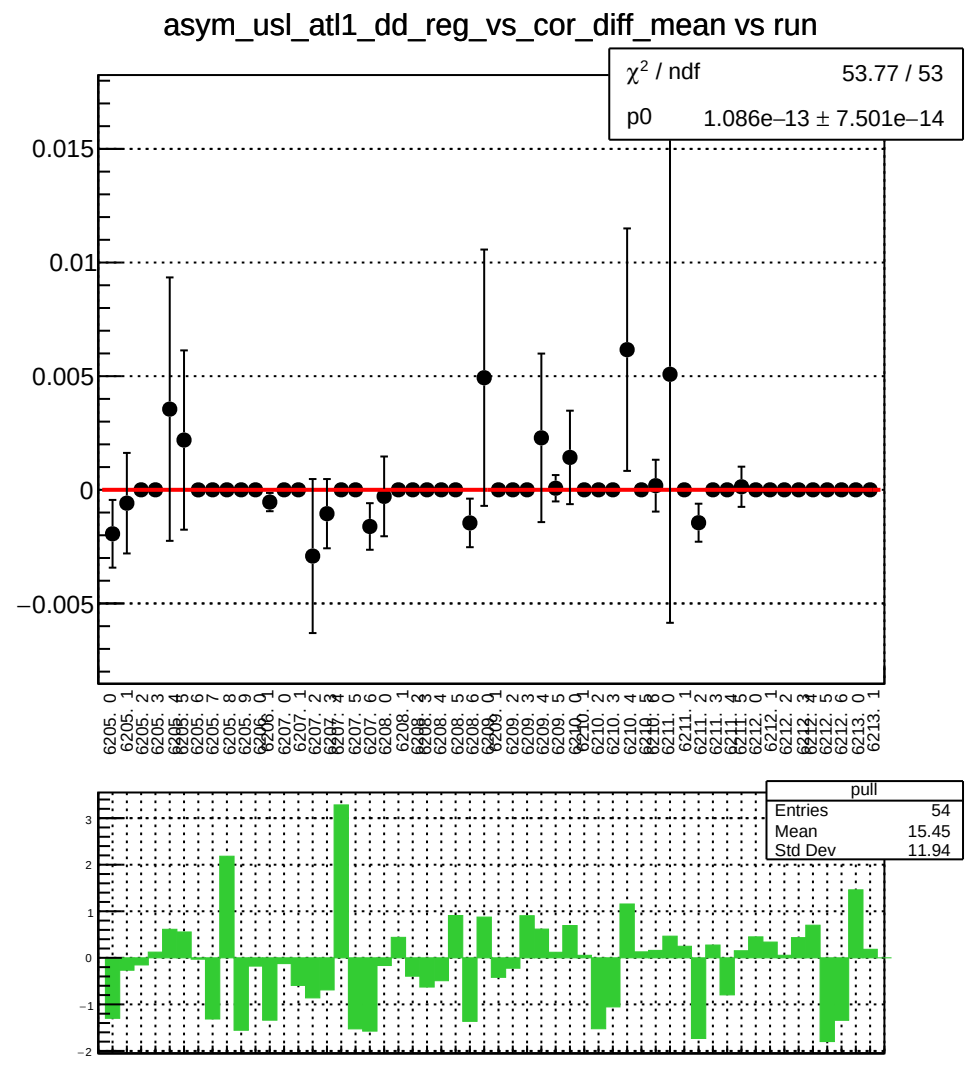

pull1D
Entries 54
Mean 0.03272
Std Dev 0.8982

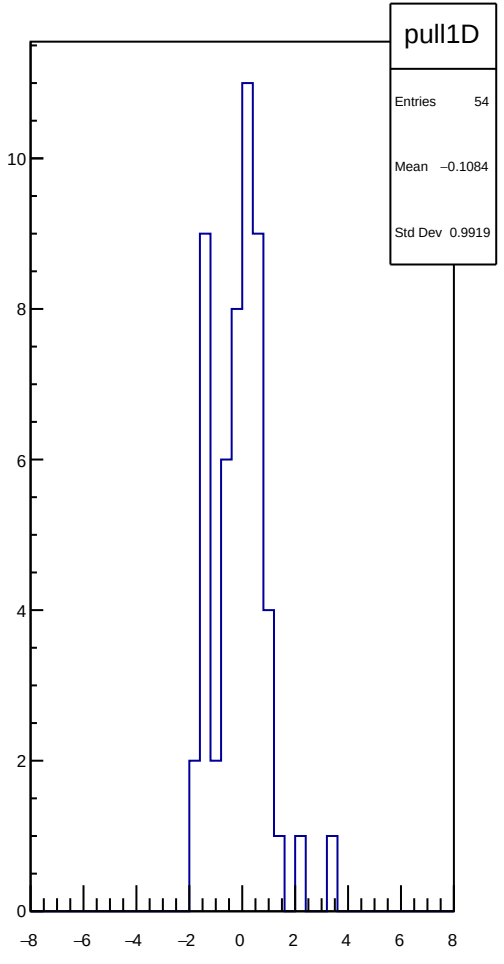

asym_usl_atl1_dd_eigen_dit_correction_rms vs run
χ² / ndf 1931 / 53
p0 564.6 ± 0.549
620
600
580
560
540
520
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

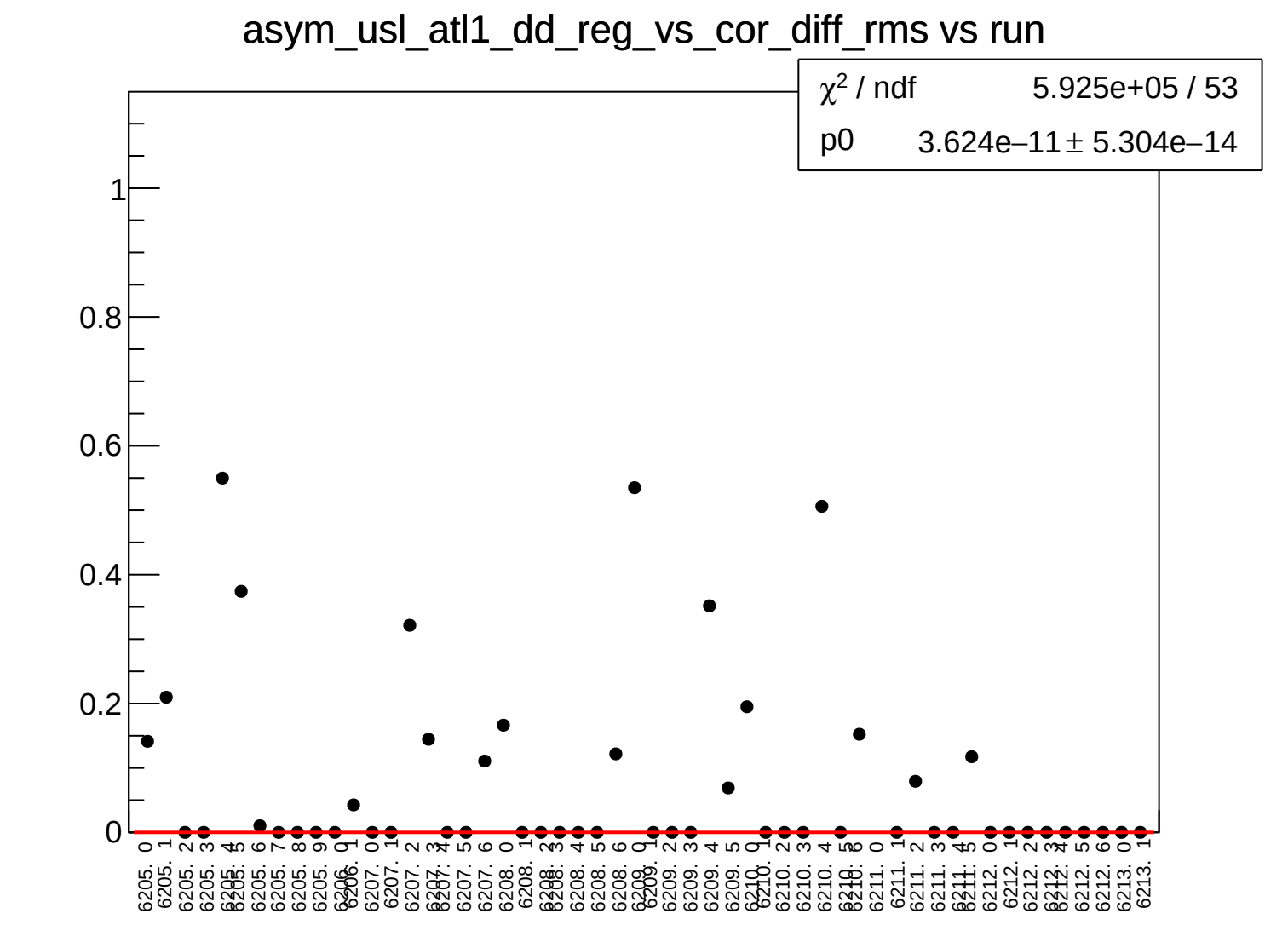

asym_usl_atl1_dd_mean vs run
χ² / ndf 49.96 / 53
p0 −4023 ± 1787
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −55.78
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 54
Mean −0.02037
Std Dev 0.9616
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_usl_atl1_dd_rms vs run
χ² / ndf 200.9 / 53
p0 1300 ± 1.264
1360
1340
1320
1300
1280
1260
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_usl_atl1_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 53.77 / 53
p0 1.086e−13 ± 7.501e−14
0.015
0.01
0.005
0
−0.005
pull
Entries 54
Mean 15.45
Std Dev 11.94
3
2
1
0
−1
−2


pull1D
Entries 54
Mean −0.1084
Std Dev 0.9919
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_usl_atl1_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.925e+05 / 53
p0 3.624e−11 ± 5.304e−14
1
0.8
0.6
0.4
0.2
0
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 5
6208. 6
6209. 0
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
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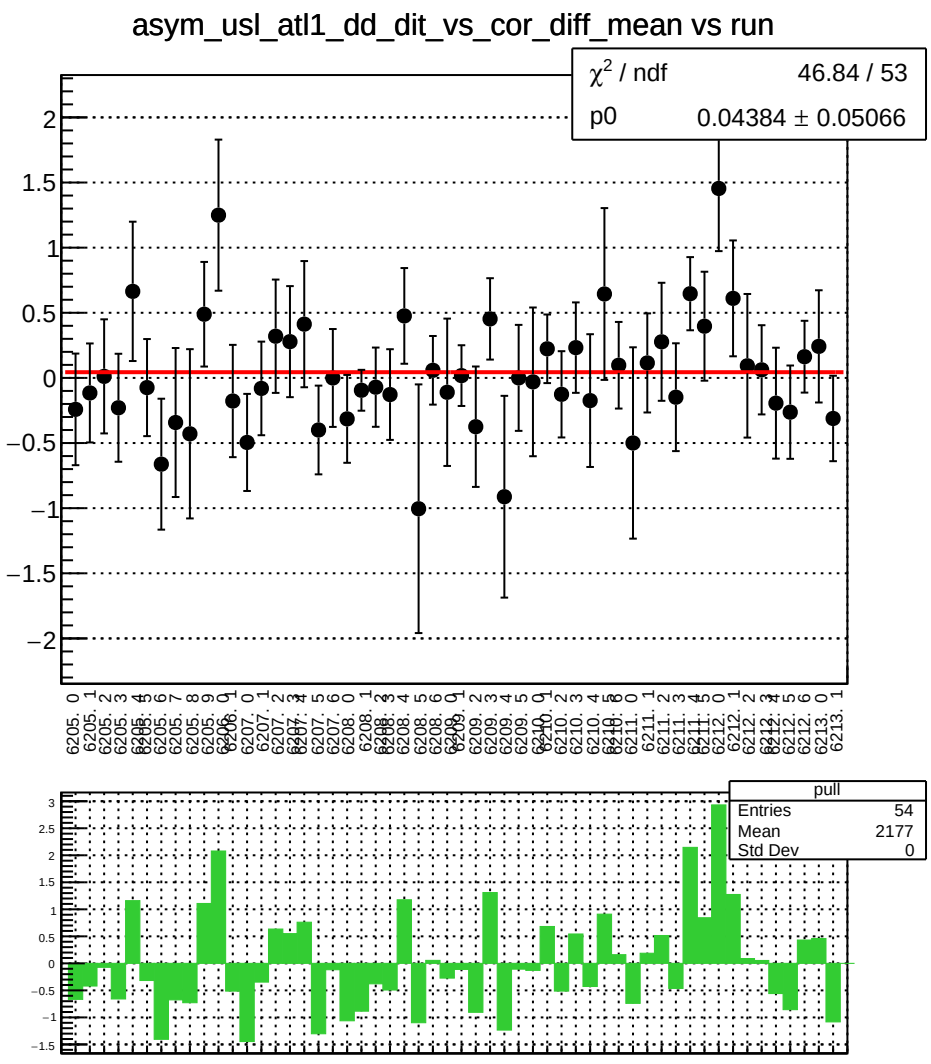
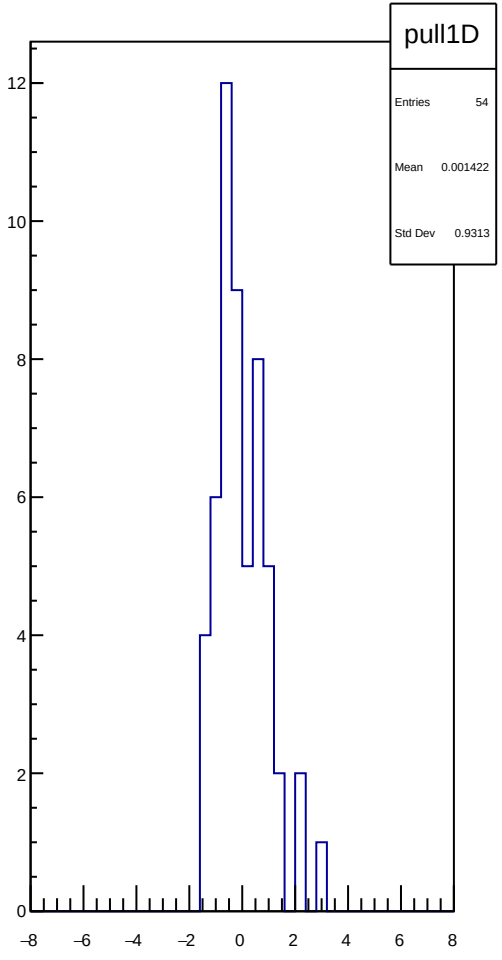
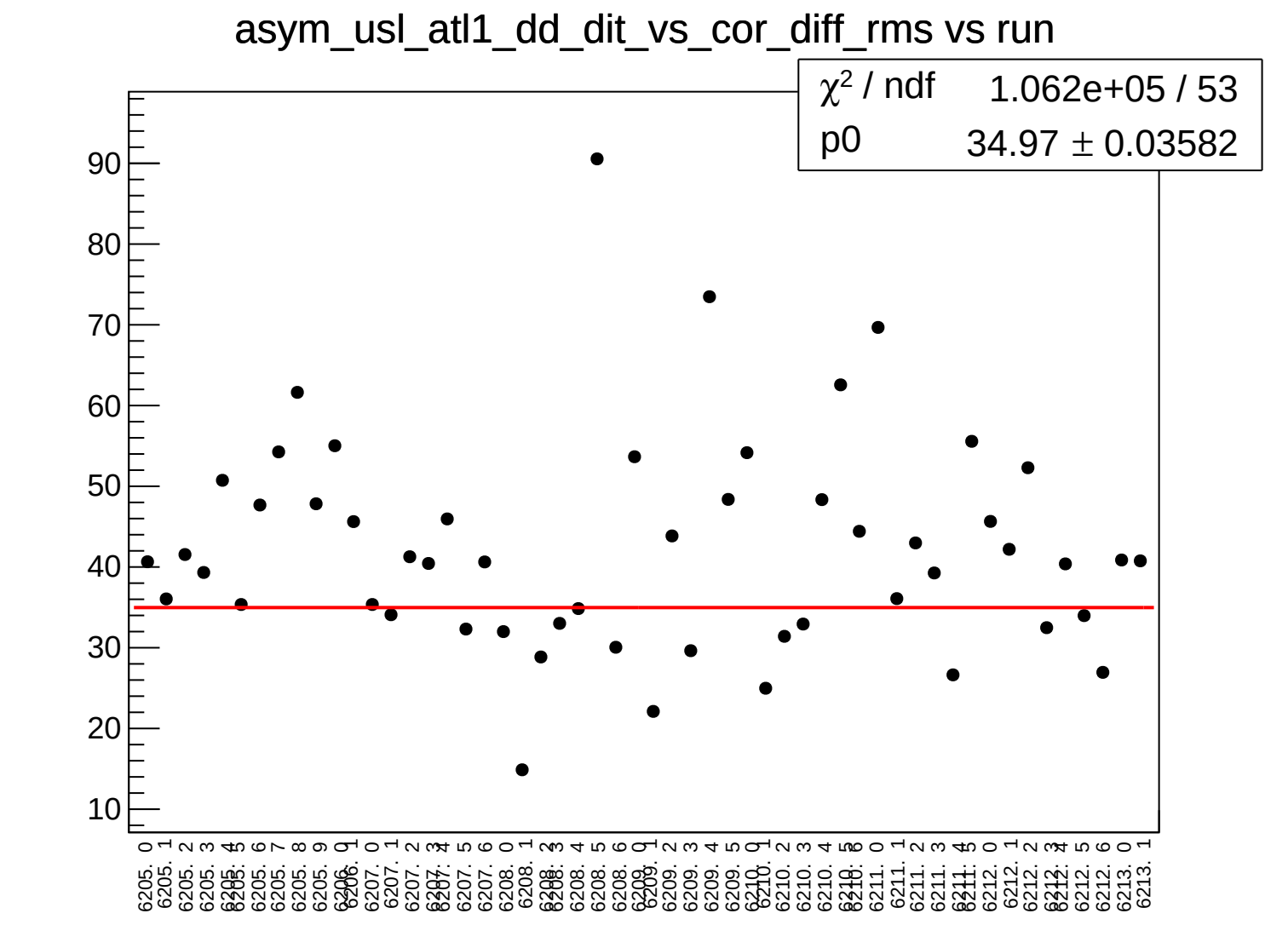
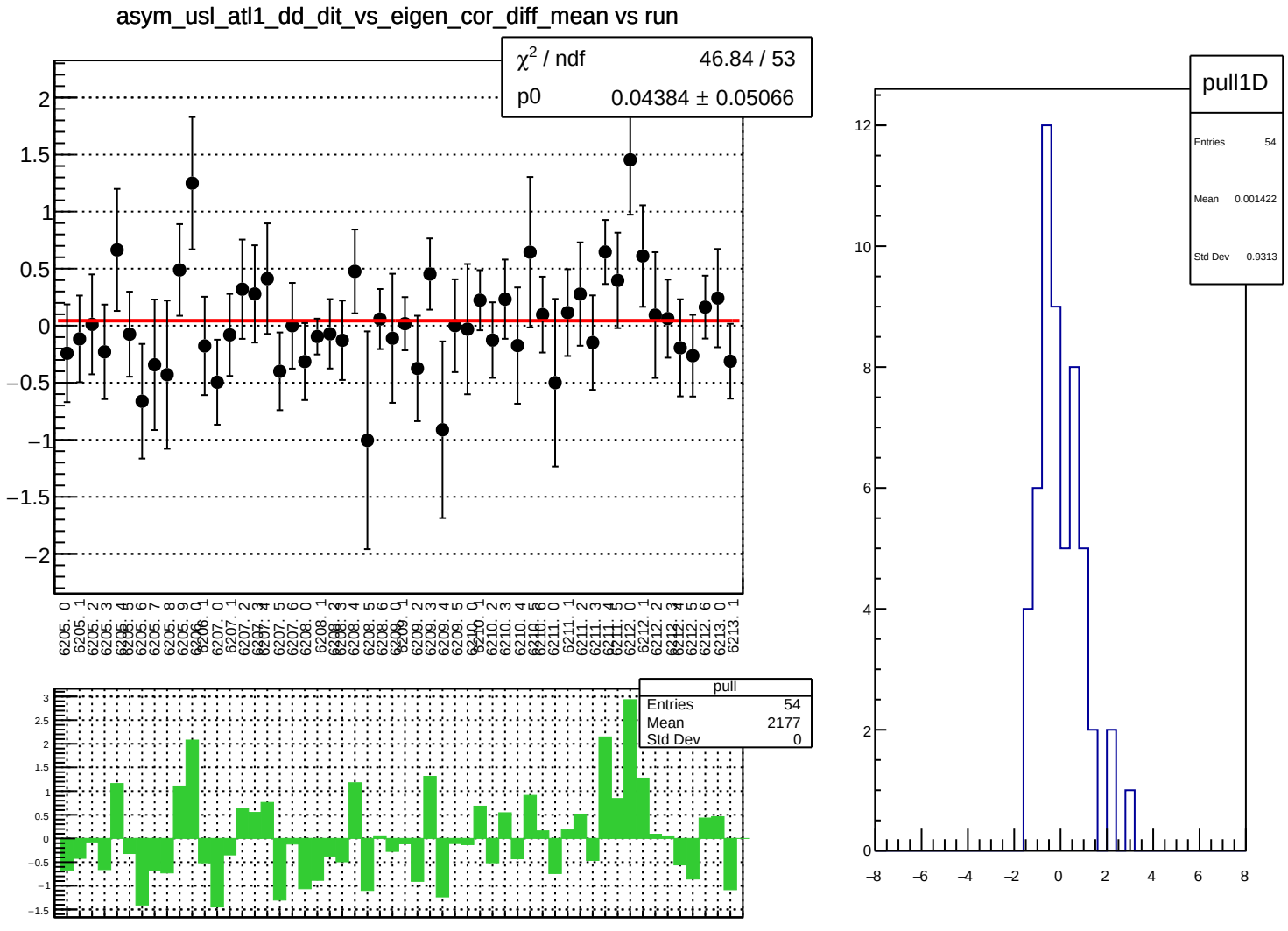
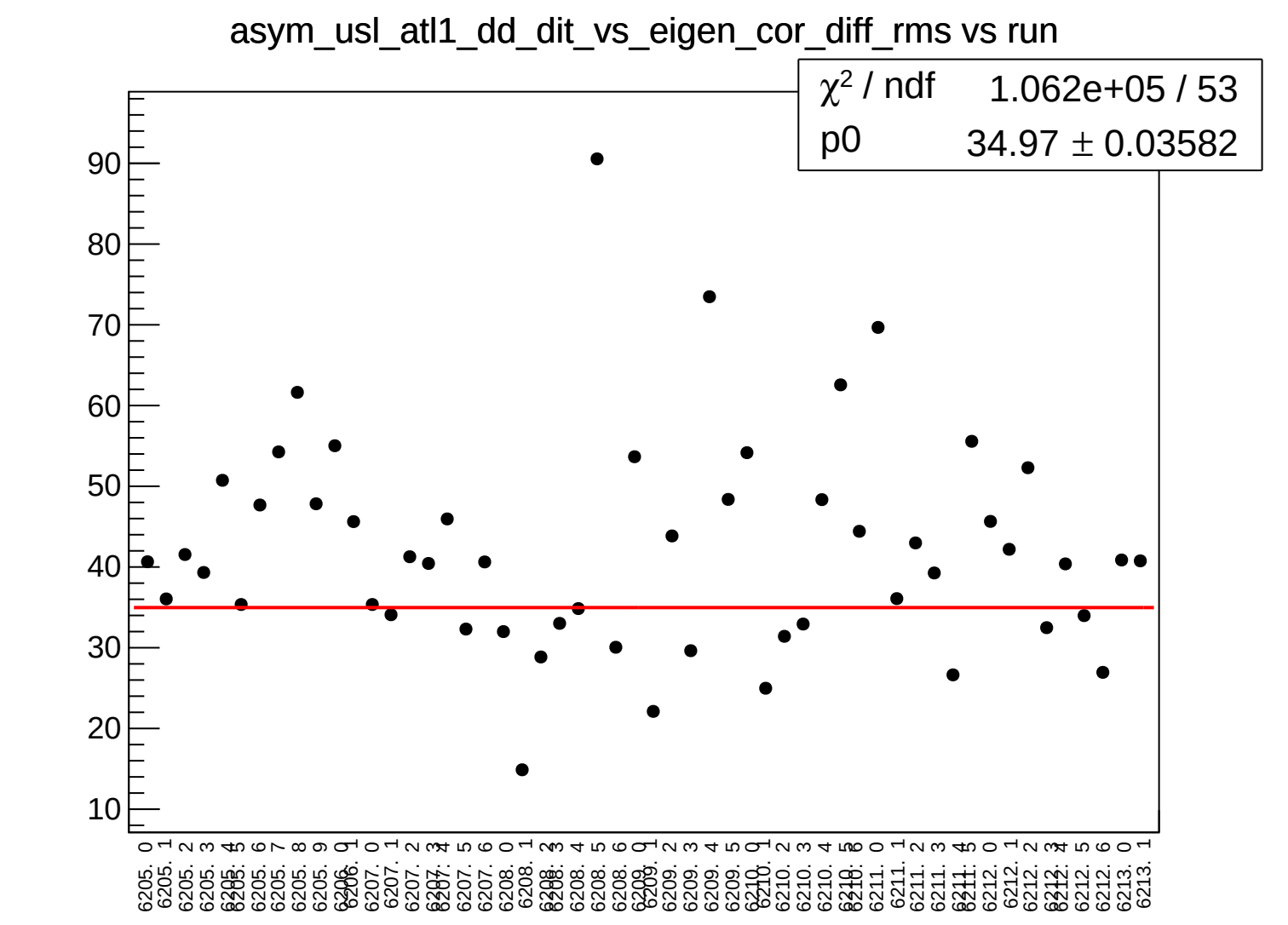
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6211. 5
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1


asym_usl_atl1_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 46.84 / 53
p0 0.04384 ± 0.05066
pull
Entries 54
Mean 2177
Std Dev 0


pull1D
Entries 54
Mean 0.001422
Std Dev 0.9313


asym_usl_atl1_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.062e+05 / 53
p0 34.97 ± 0.03582
90
80
70
60
50
40
30
20
10
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_usl_atl1_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 46.84 / 53
p0 0.04384 ± 0.05066
pull
Entries 54
Mean 2177
Std Dev 0
pull1D
Entries 54
Mean 0.001422
Std Dev 0.9313


asym_usl_atl1_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.062e+05 / 53
p0 34.97 ± 0.03582
90
80
70
60
50
40
30
20
10
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 1
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
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6208. 6
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
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6211. 0
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6211. 2
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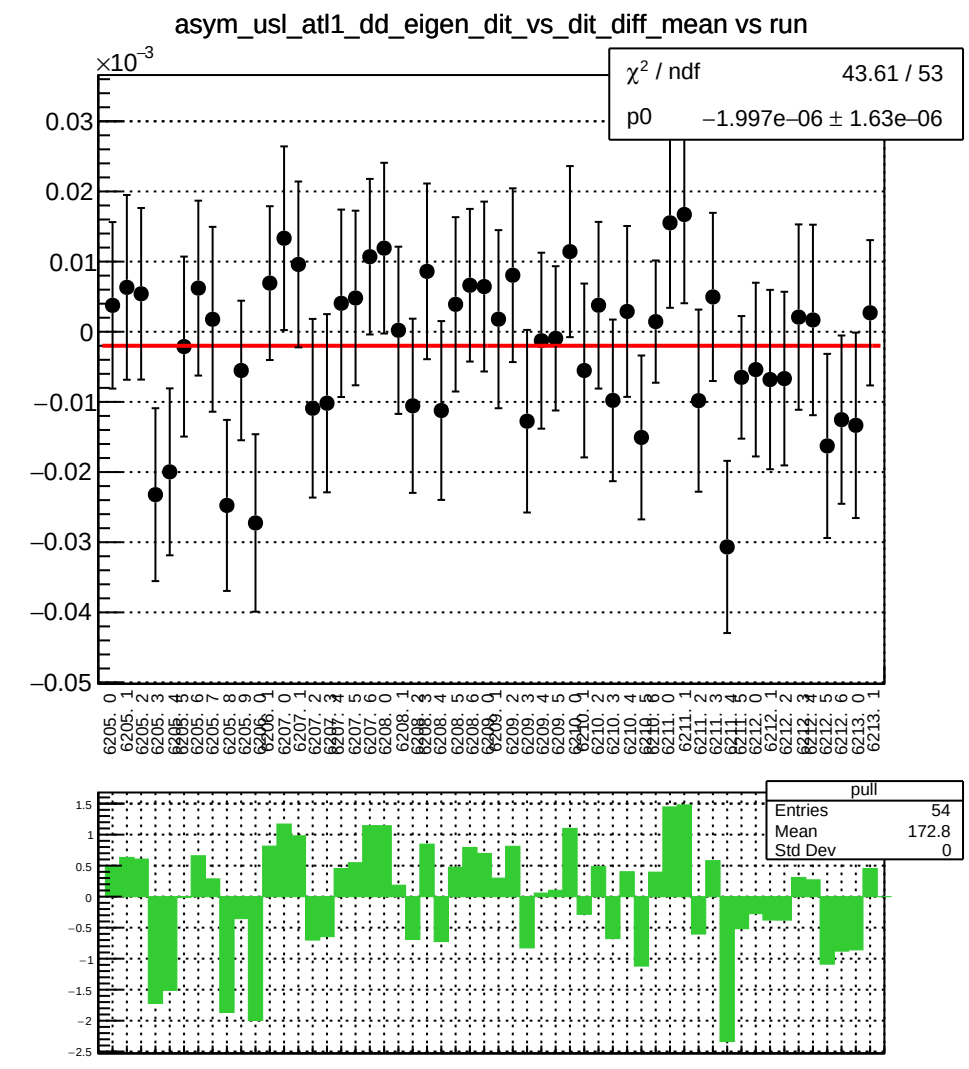
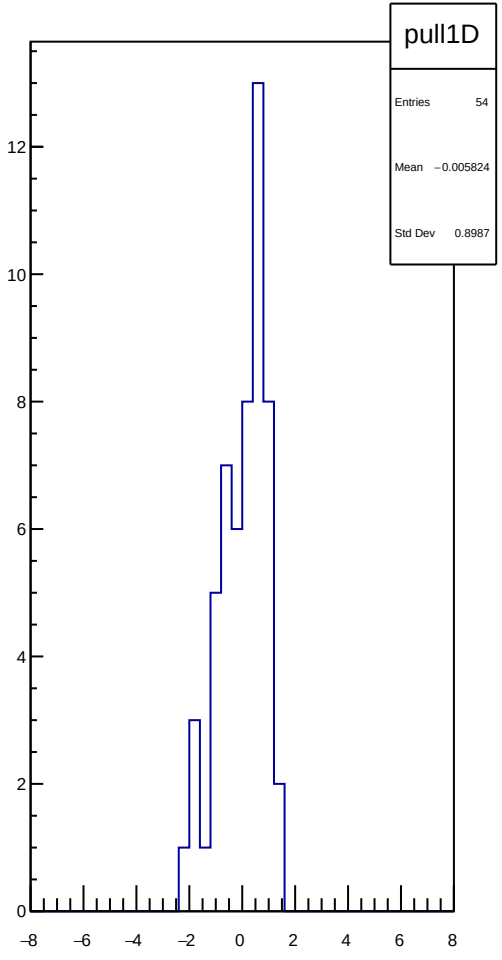
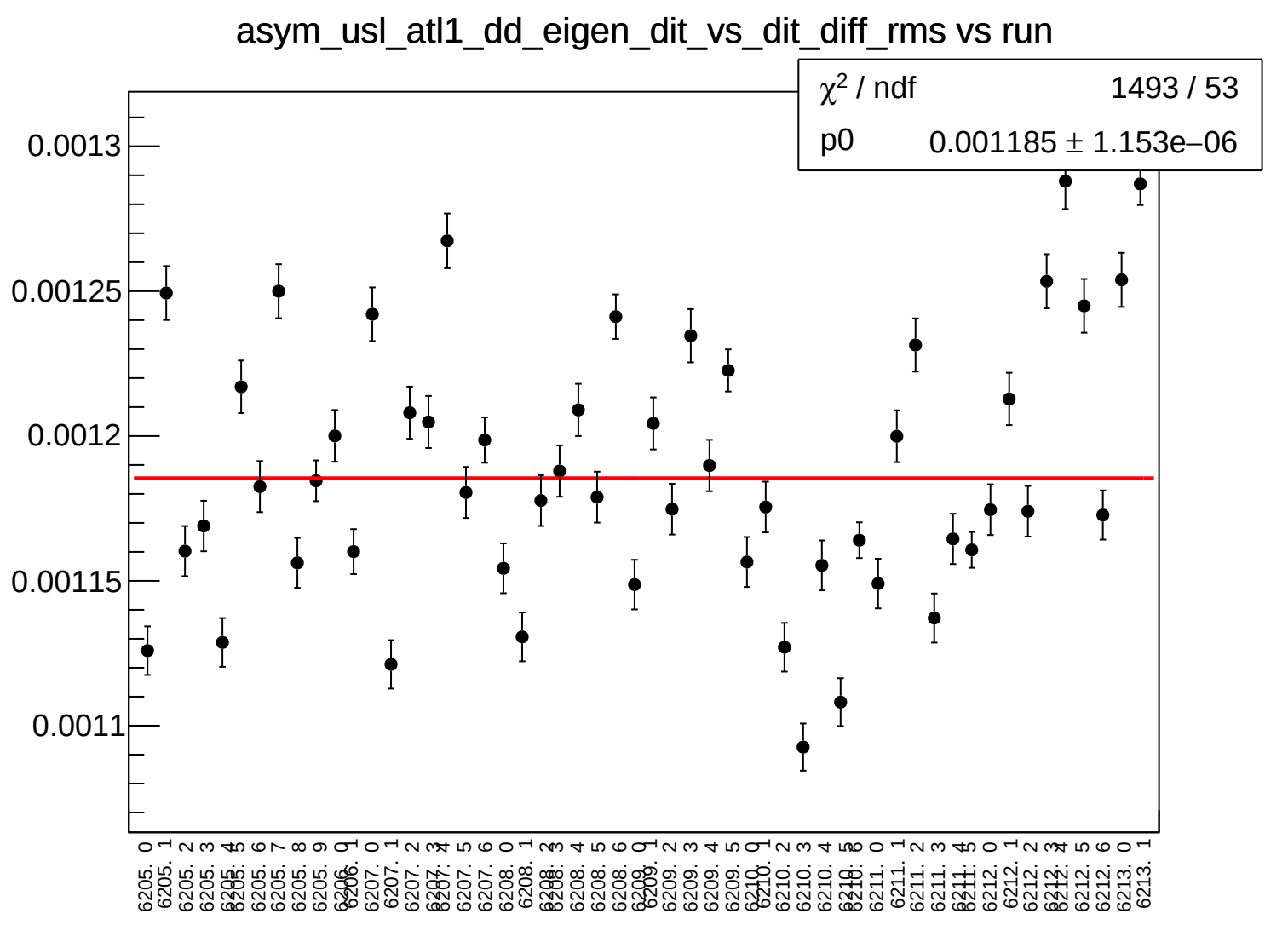
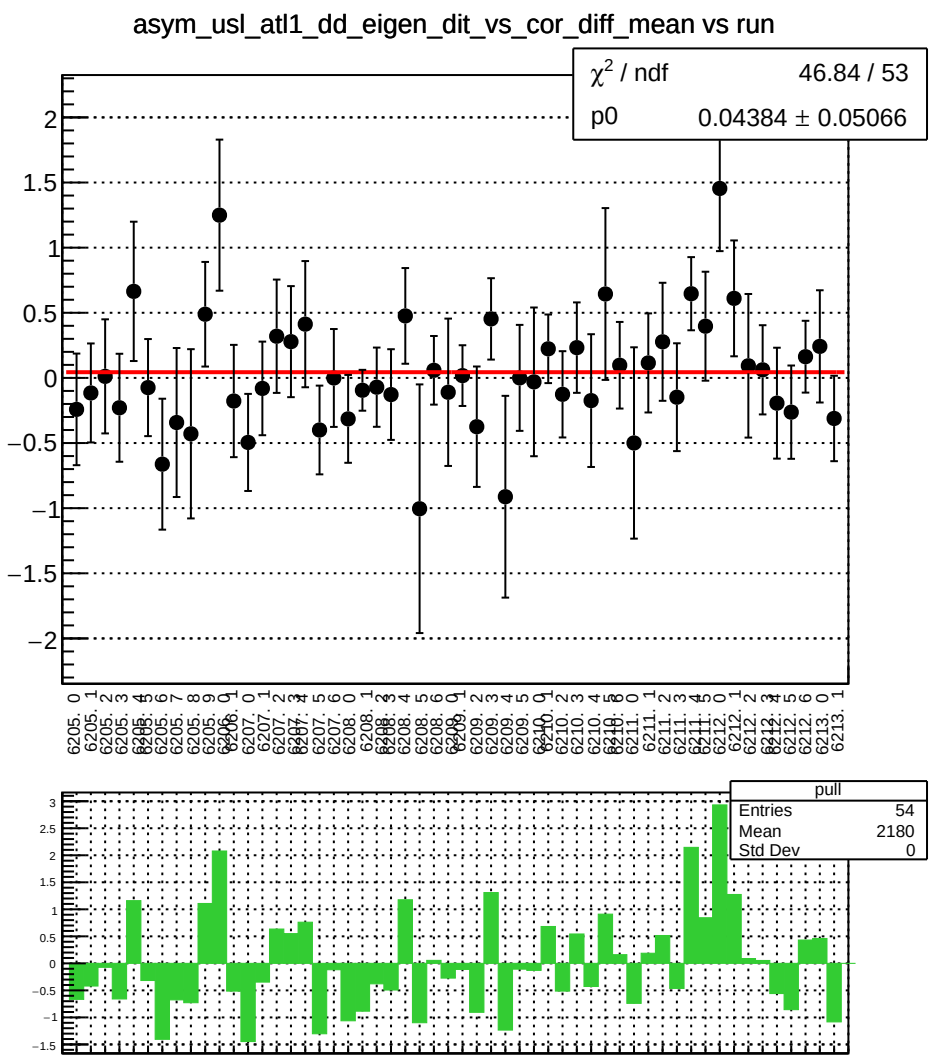
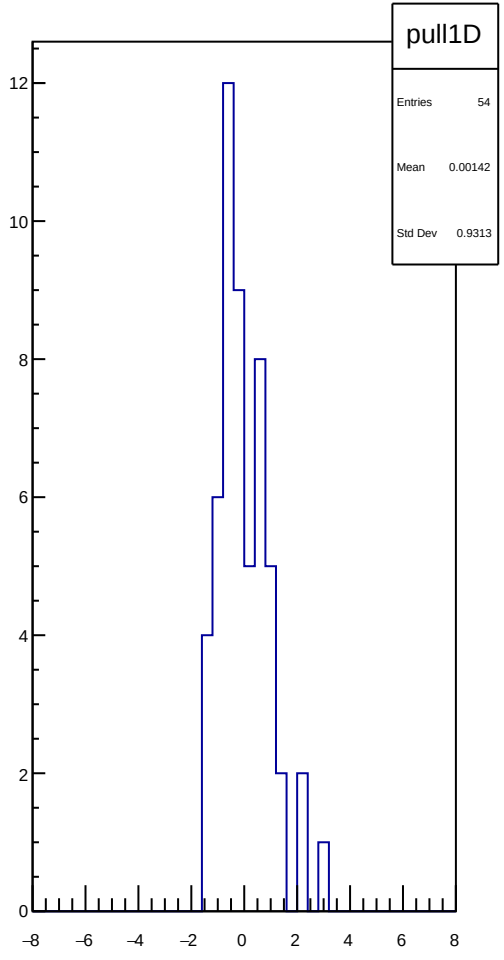
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

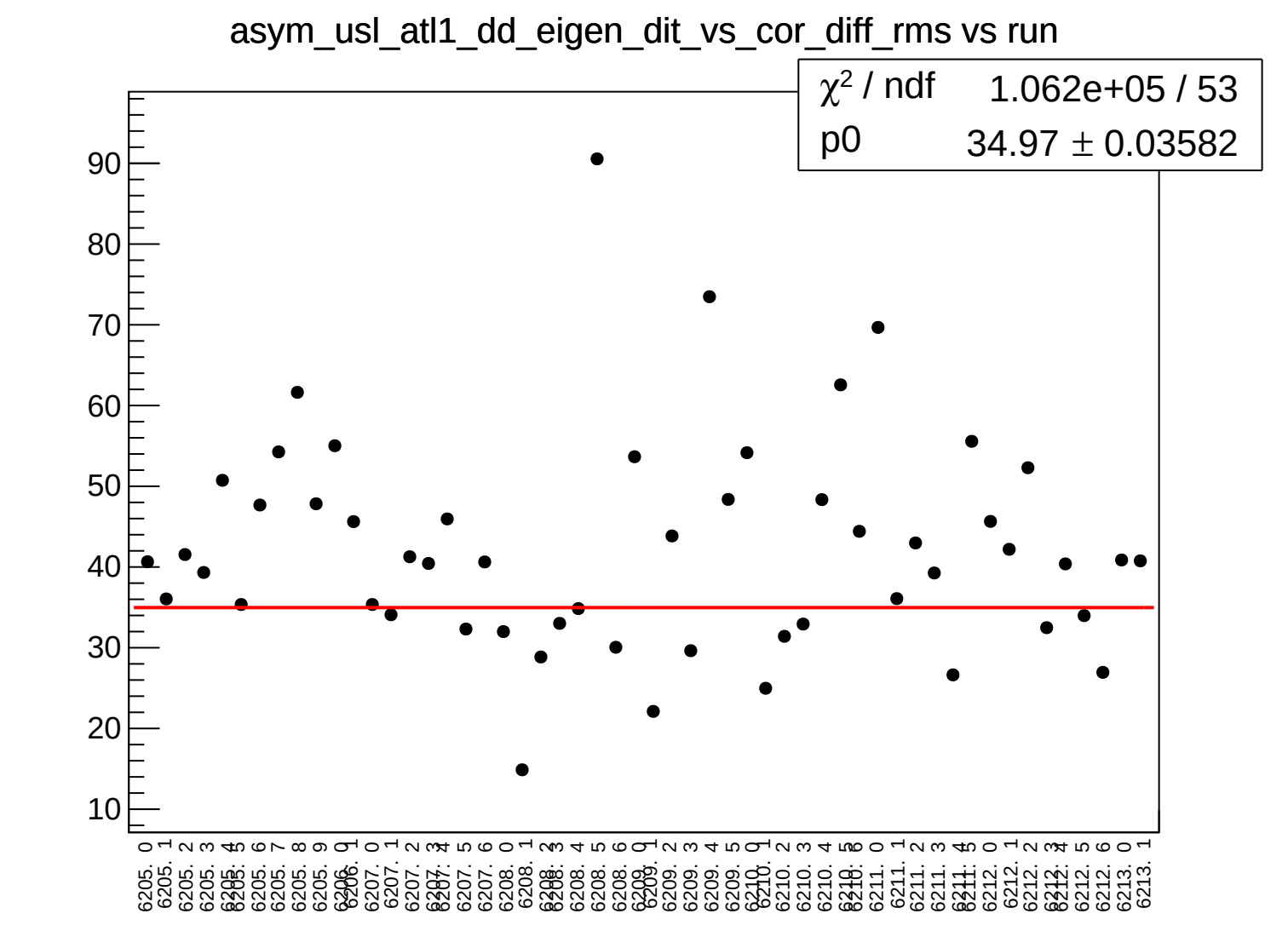

asym_usl_atl1_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 43.61 / 53
p0 −1.997e−06 ± 1.63e−06
pull
Entries 54
Mean 172.8
Std Dev 0

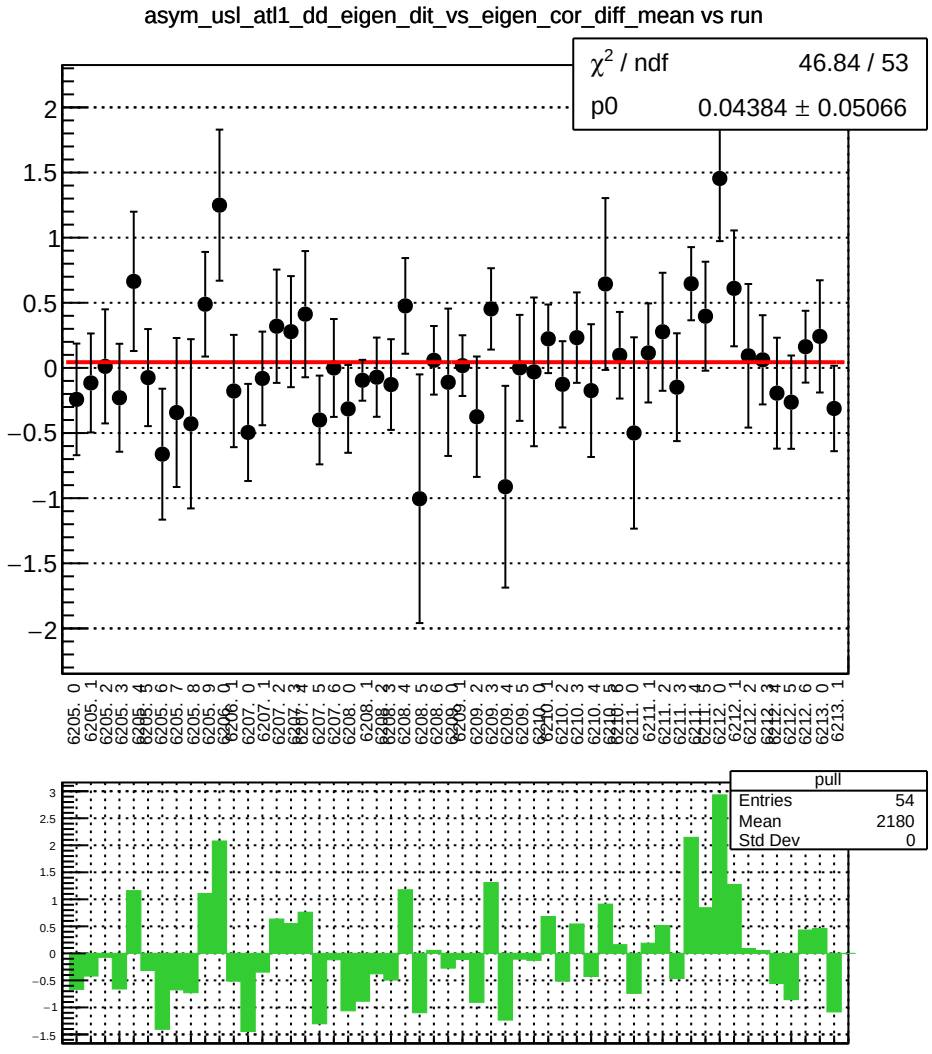

pull1D
Entries 54
Mean −0.005824
Std Dev 0.8987

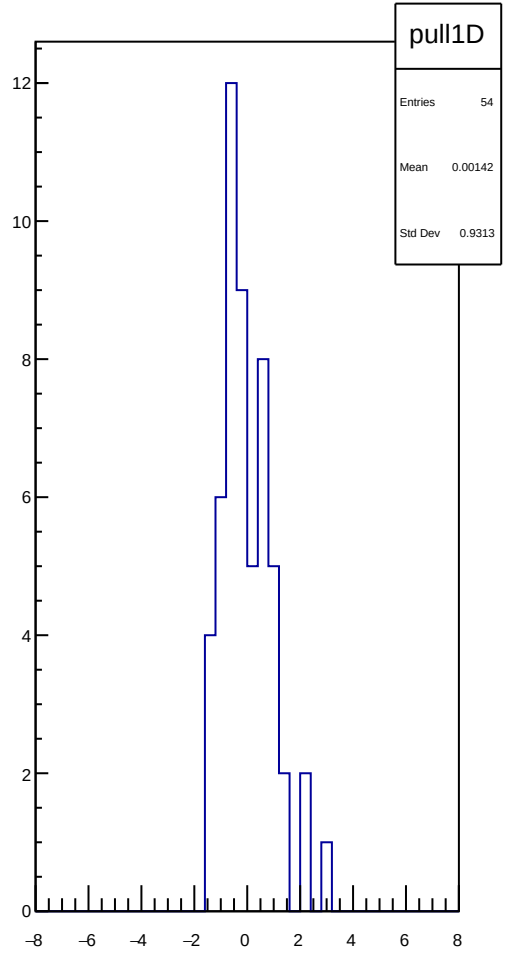

asym_usl_atl1_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1493 / 53
p0 0.001185 ± 1.153e−06
0.0013
0.00125
0.0012
0.00115
0.0011
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

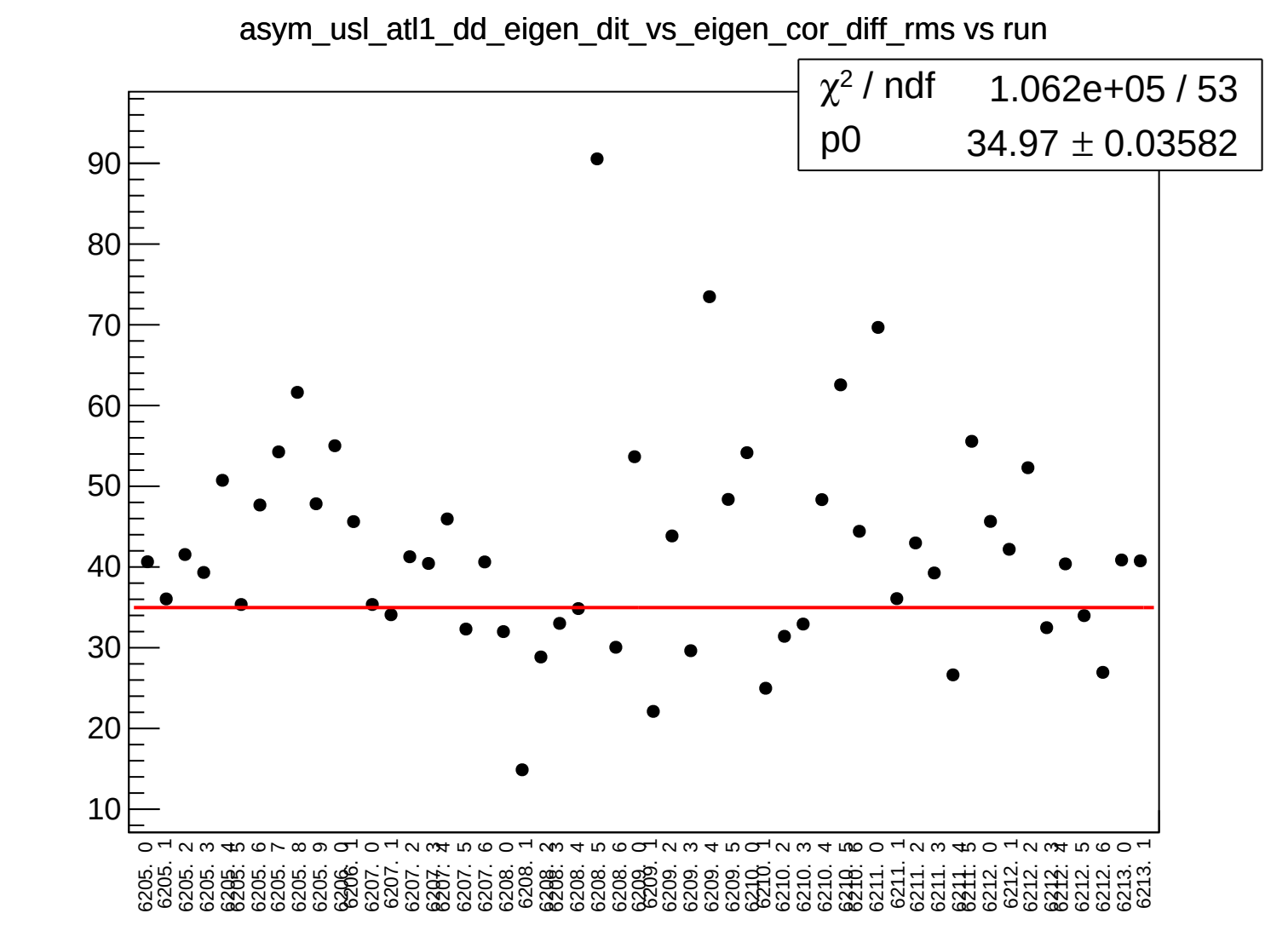

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 46.84 / 53
p0 0.04384 ± 0.05066
pull
Entries 54
Mean 2180
Std Dev 0

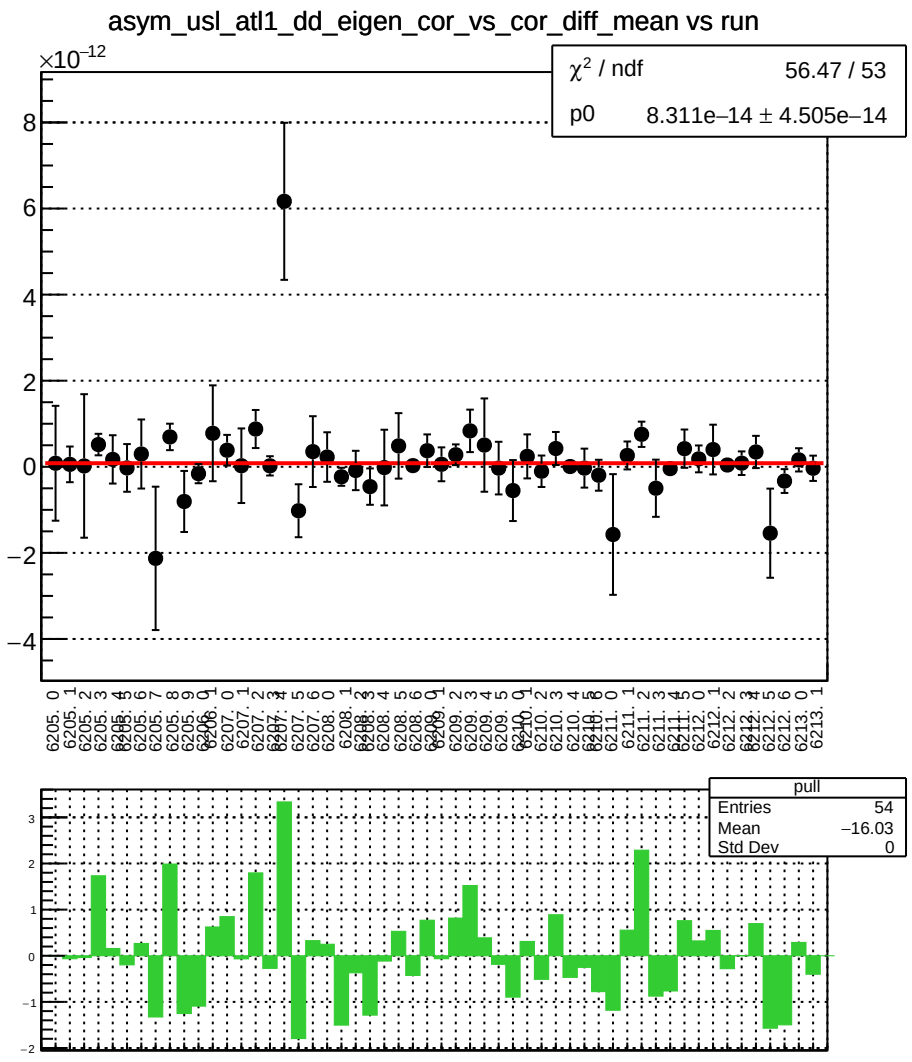

pull1D
Entries 54
Mean 0.00142
Std Dev 0.9313

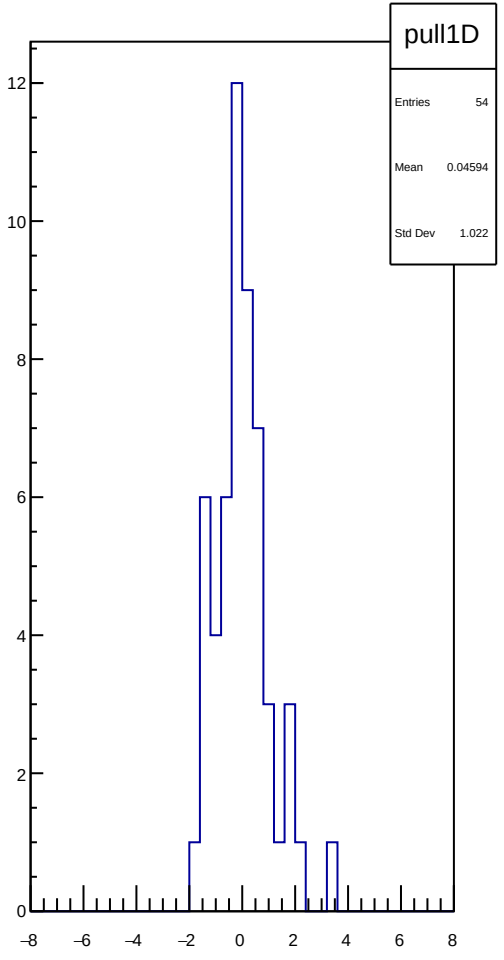

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.062e+05 / 53
p0 34.97 ± 0.03582
90
80
70
60
50
40
30
20
10
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

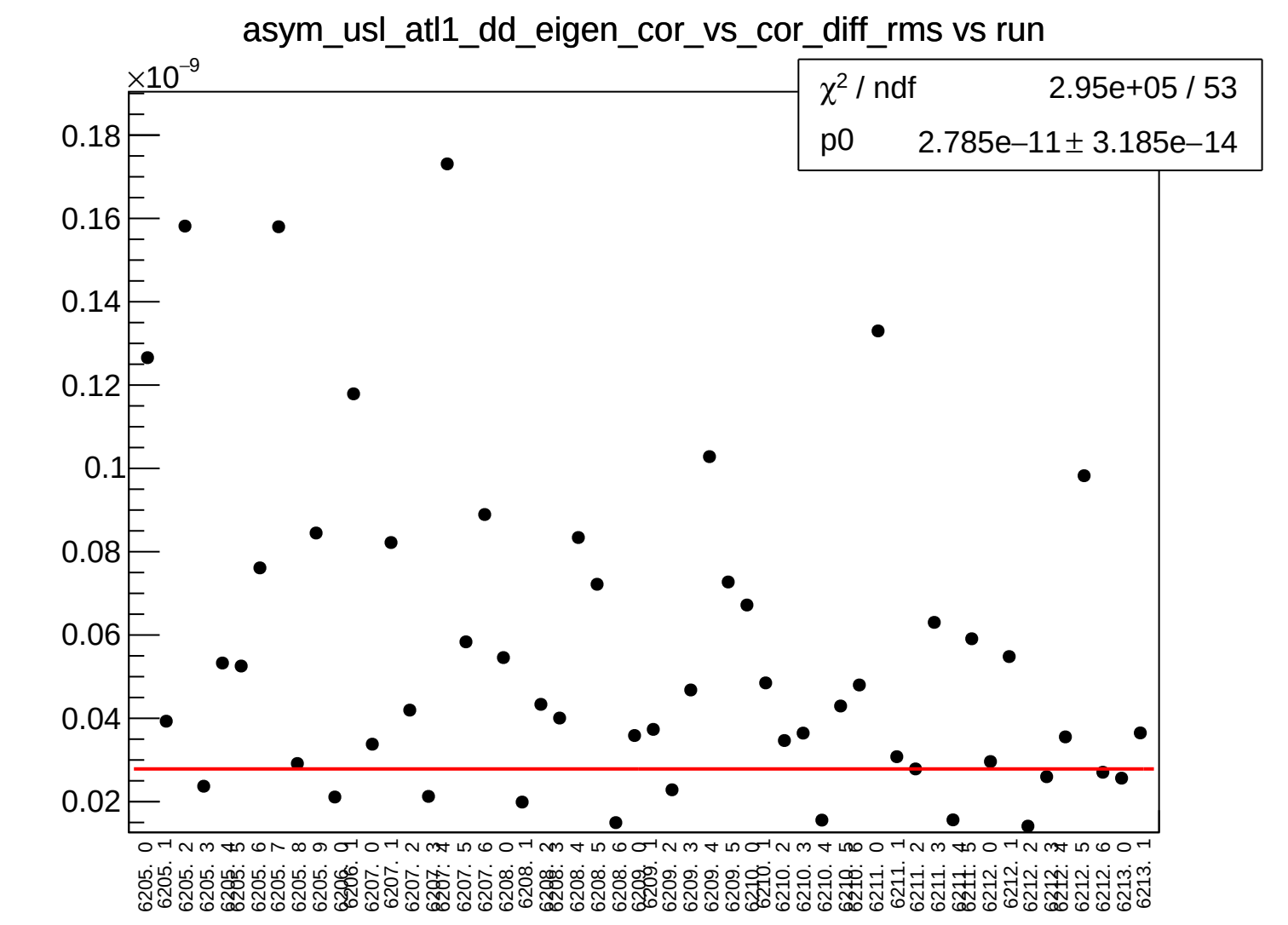

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 46.84 / 53
p0 0.04384 ± 0.05066
pull
Entries 54
Mean 2180
Std Dev 0

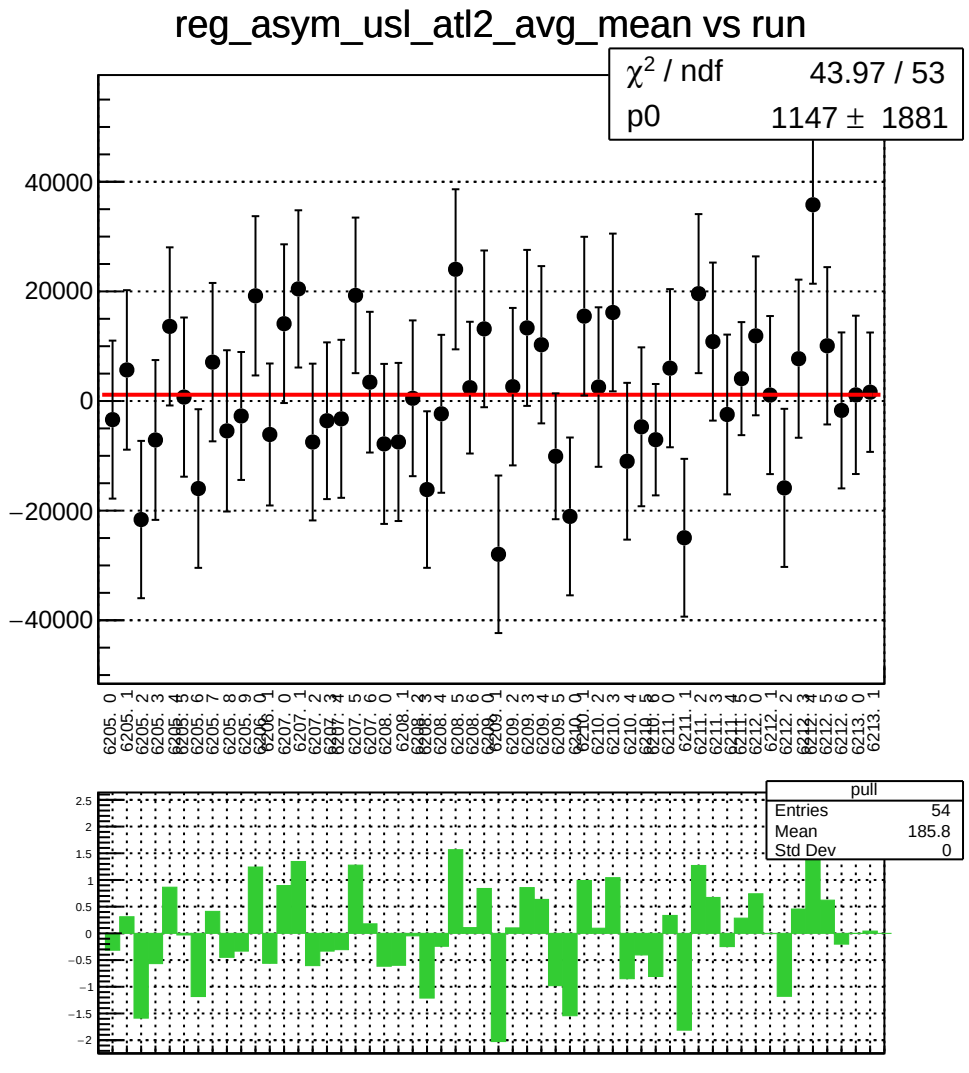

pull1D
Entries 54
Mean 0.00142
Std Dev 0.9313

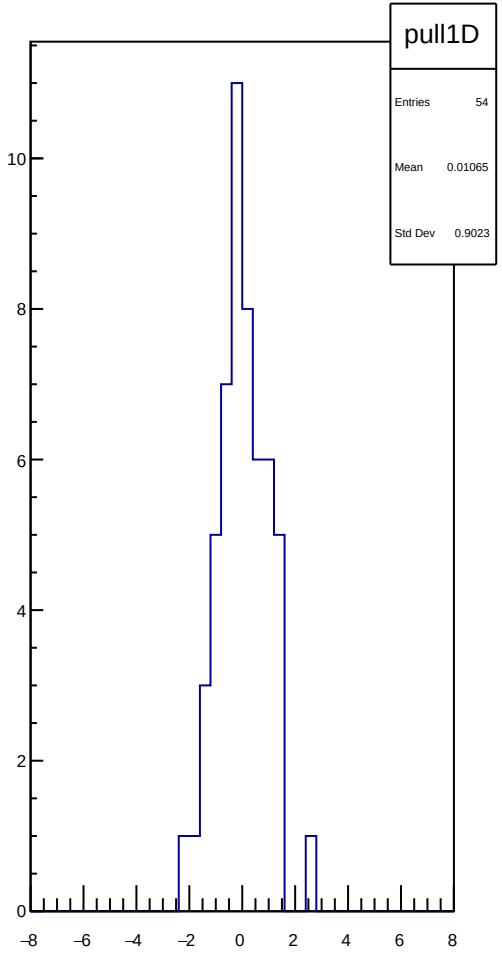

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.062e+05 / 53
p0 34.97 ± 0.03582
90
80
70
60
50
40
30
20
10
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 1
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

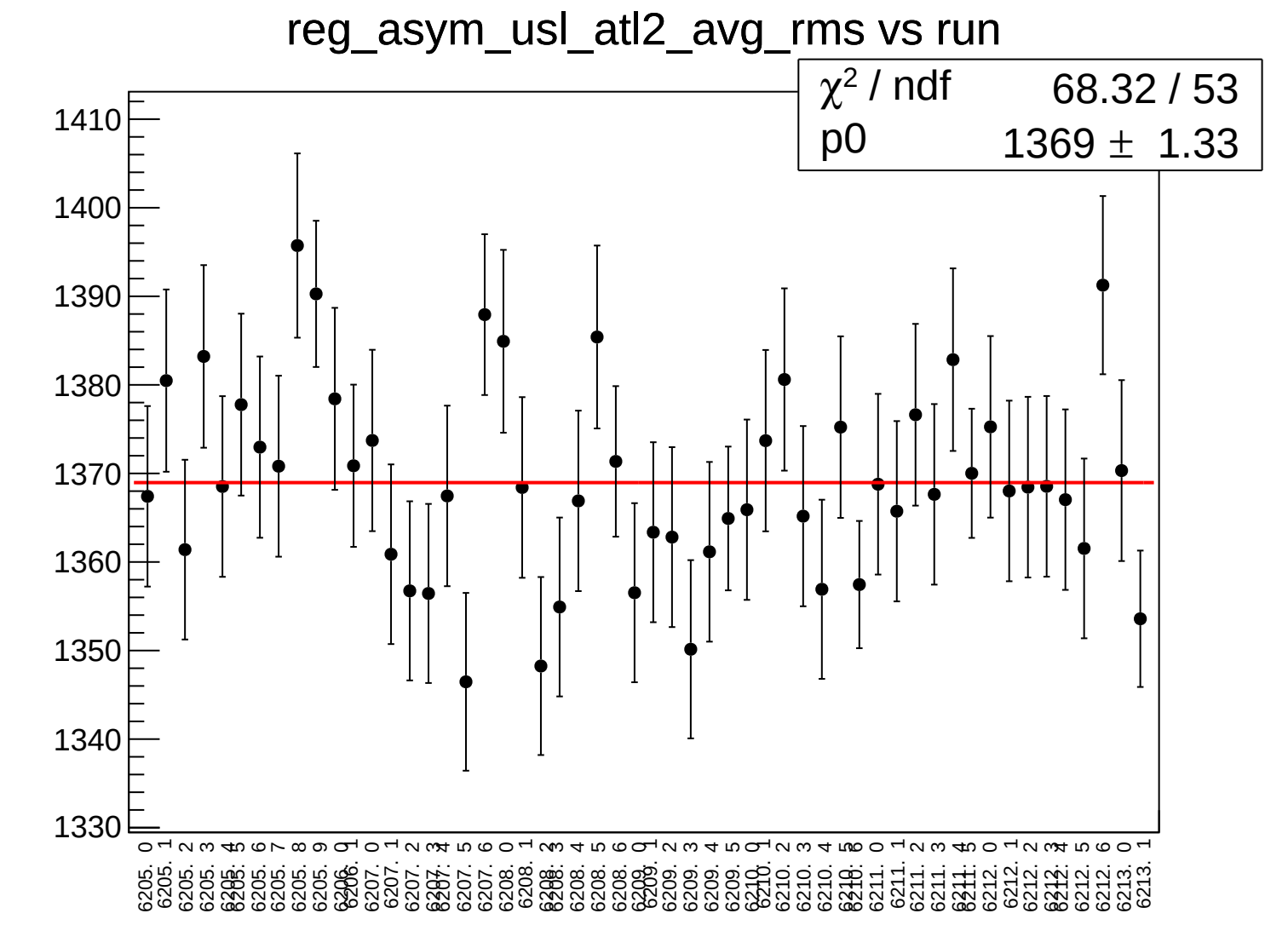

asym_usl_atl1_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 56.47 / 53
p0 8.311e−14 ± 4.505e−14
pull
Entries 54
Mean −16.03
Std Dev 0

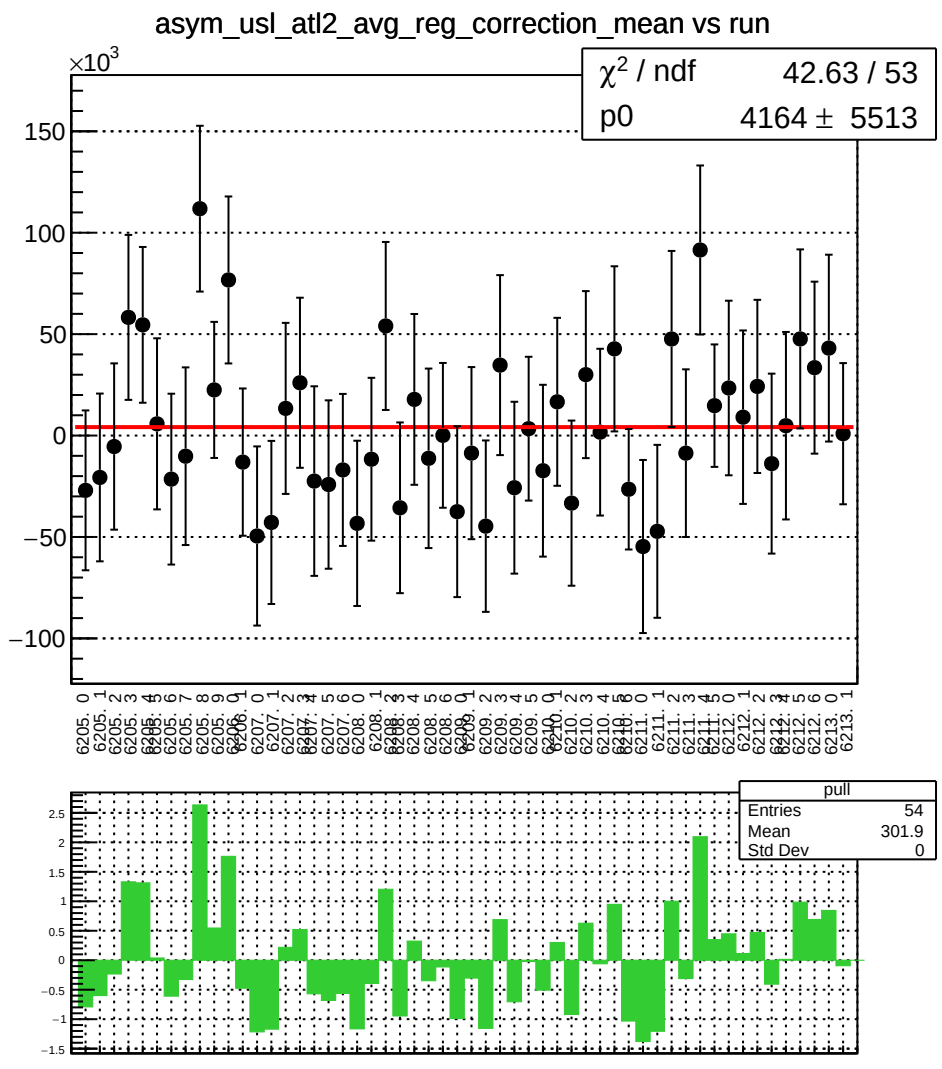

pull1D
Entries 54
Mean 0.04594
Std Dev 1.022

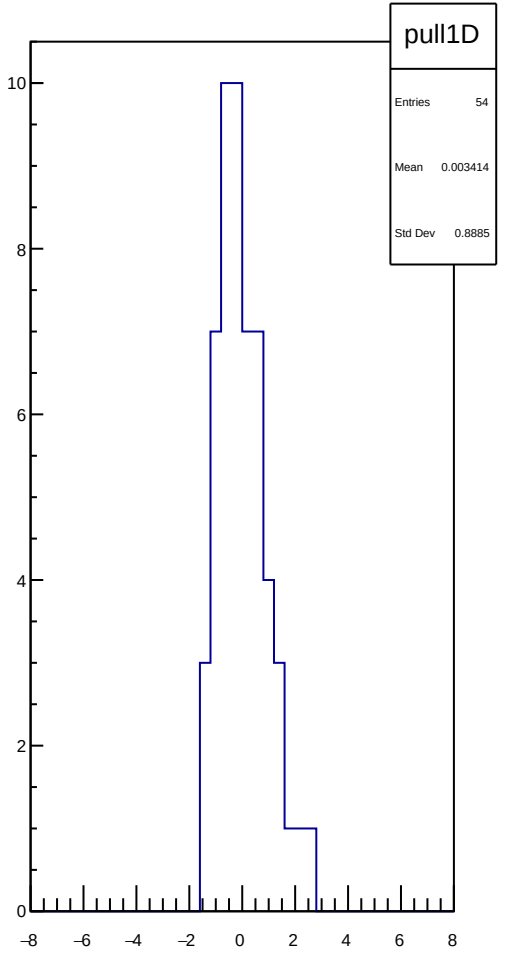

asym_usl_atl1_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.95e+05 / 53
p0 2.785e−11 ± 3.185e−14
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

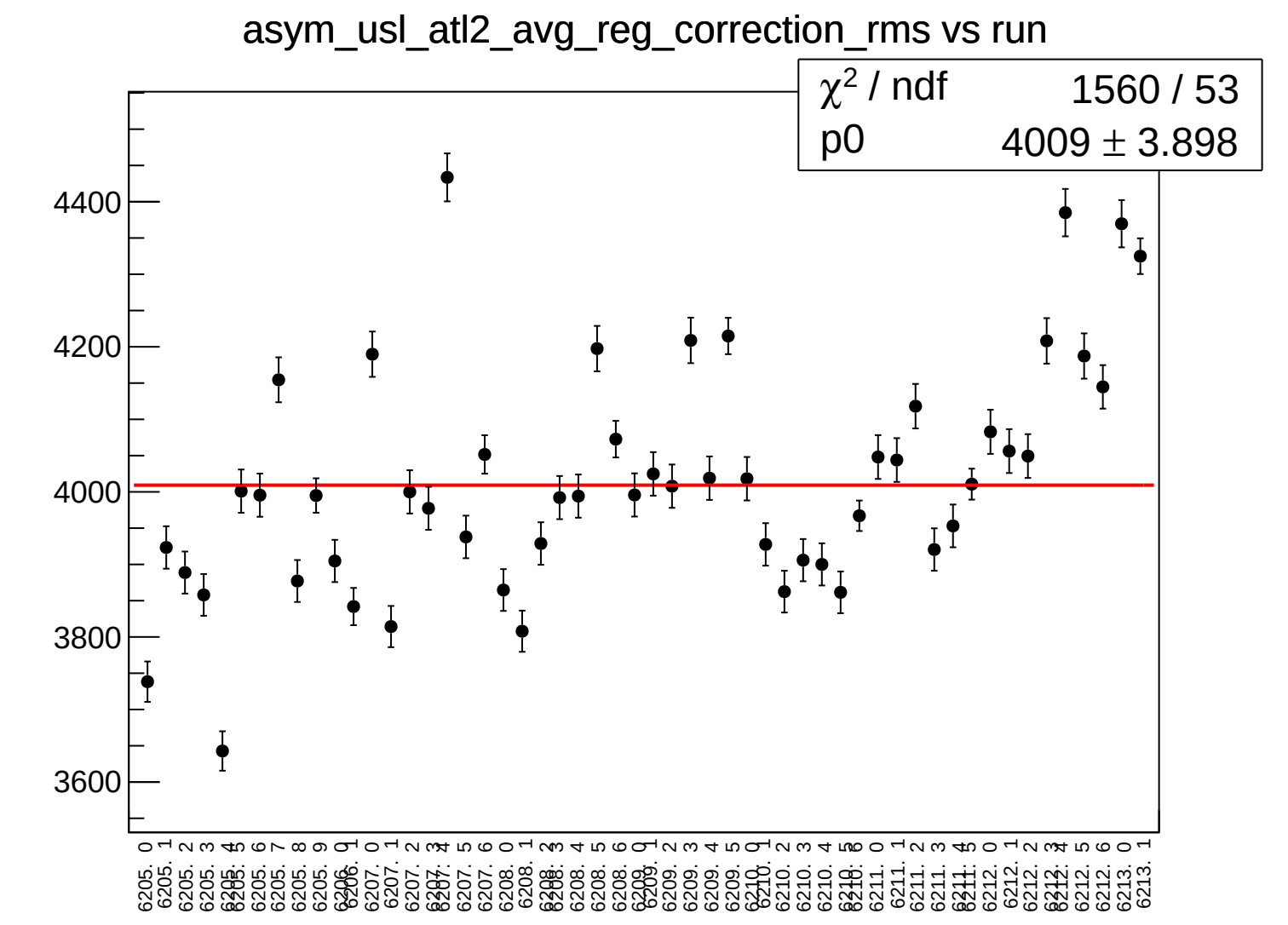

reg_asym_usl_atl2_avg_mean vs run
χ² / ndf 43.97 / 53
p0 1147 ± 1881
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 185.8
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

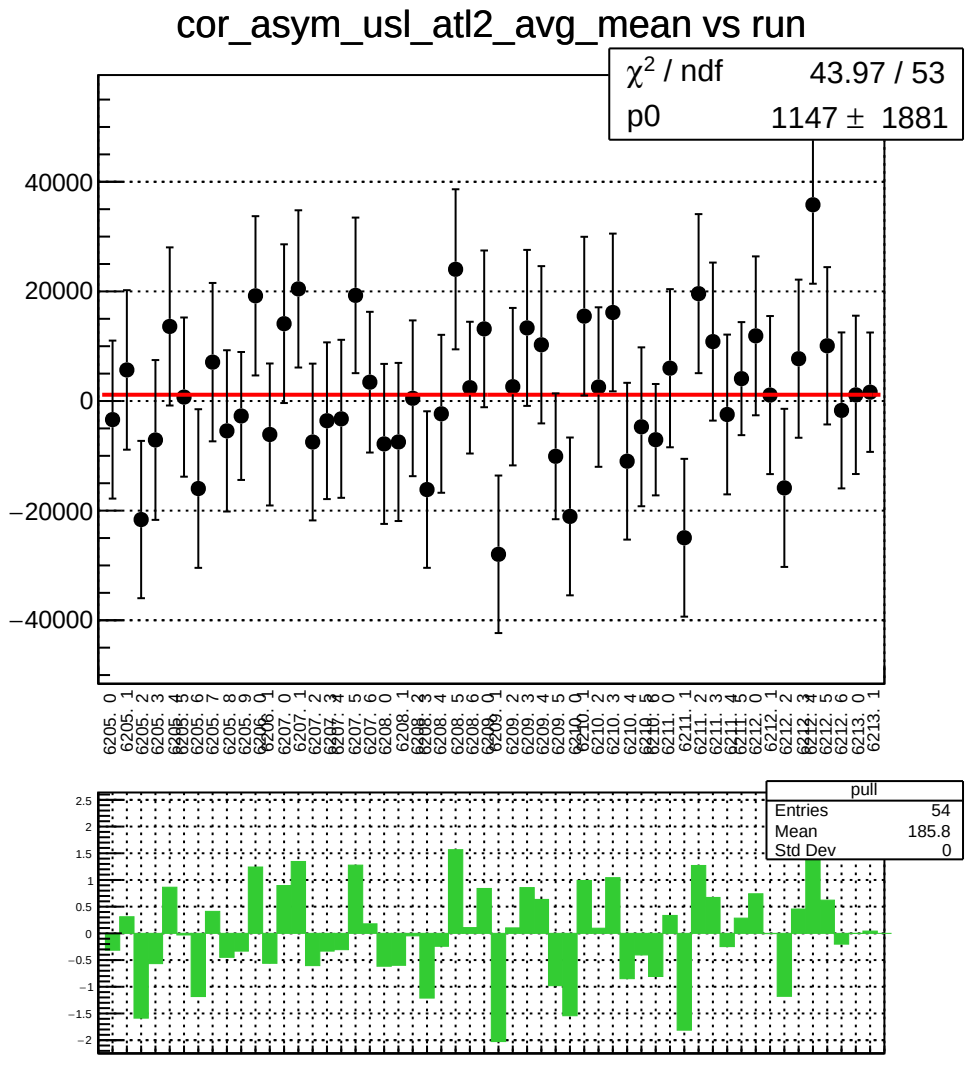

pull1D
Entries 54
Mean 0.01065
Std Dev 0.9023
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

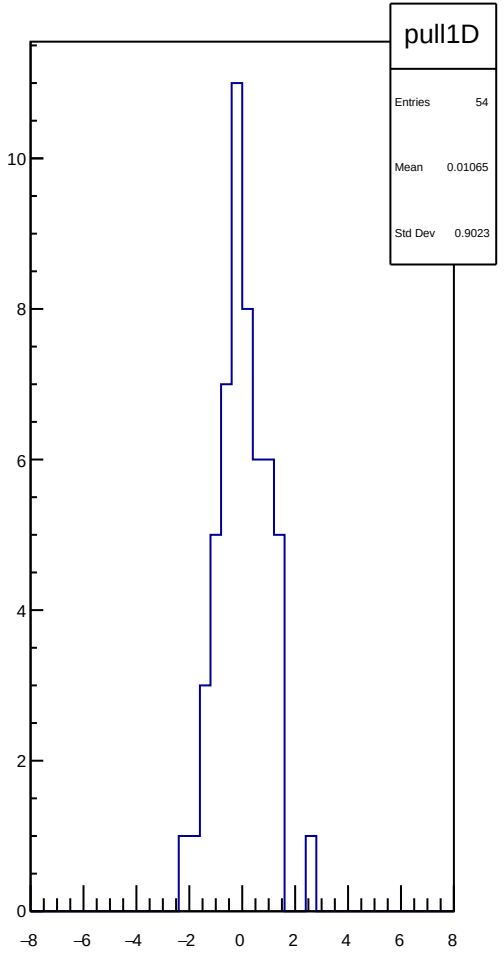

reg_asym_usl_atl2_avg_rms vs run
χ² / ndf 68.32 / 53
p0 1369 ± 1.33
1410
1400
1390
1380
1370
1360
1350
1340
1330
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

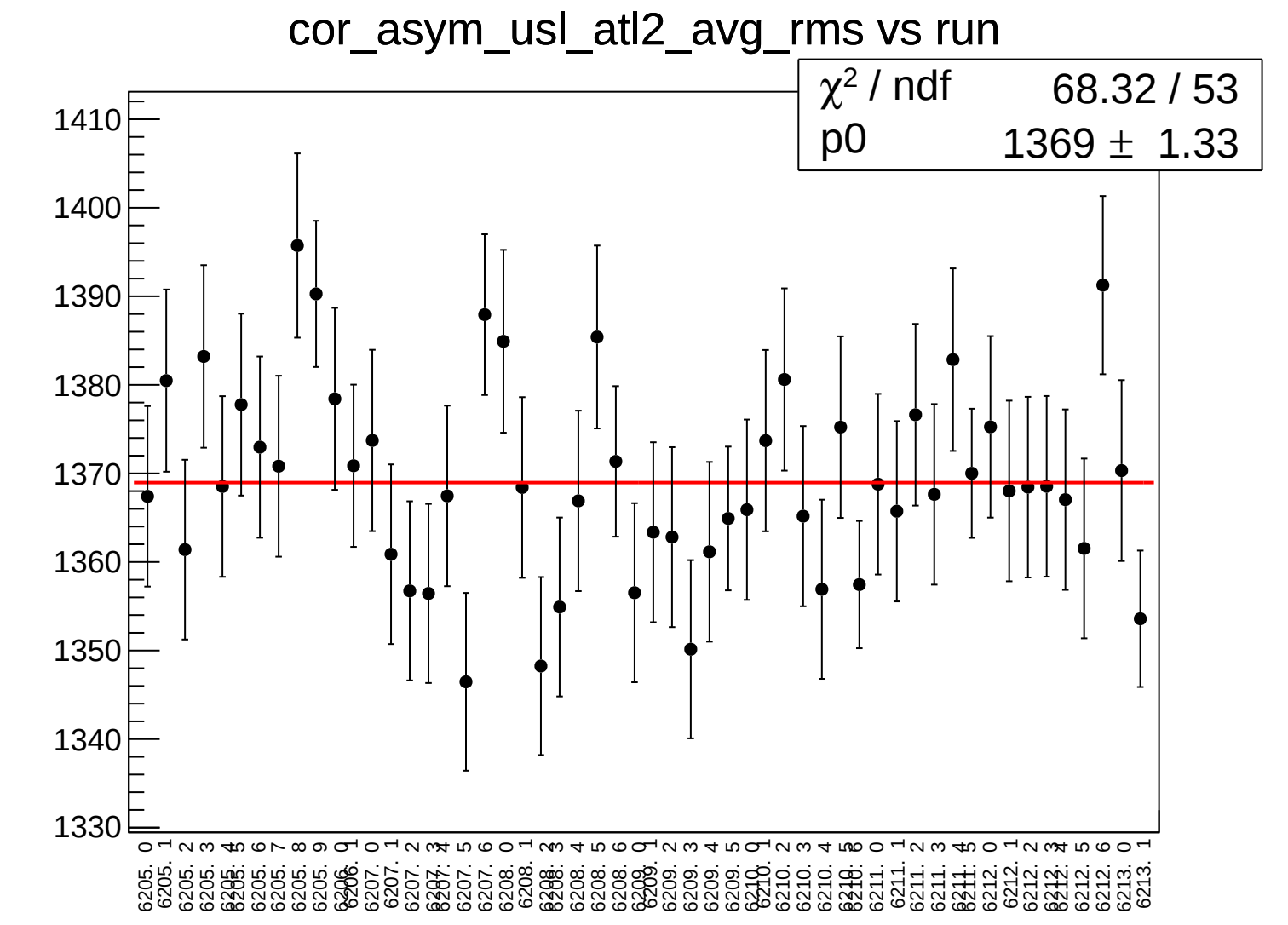

asym_usl_atl2_avg_reg_correction_mean vs run
×10^3
χ² / ndf 42.63 / 53
p0 4164 ± 5513
150
100
50
0
−50
−100
pull
Entries 54
Mean 301.9
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

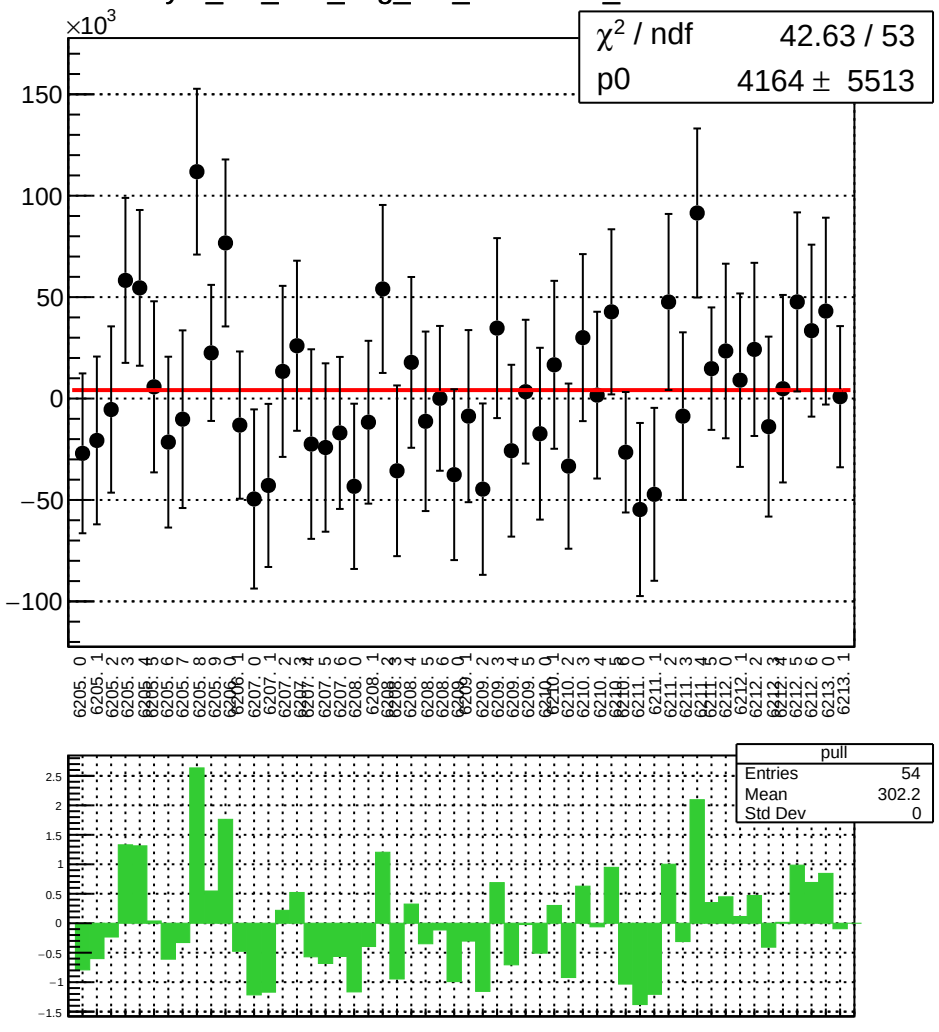

pull1D
Entries 54
Mean 0.003414
Std Dev 0.8885
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

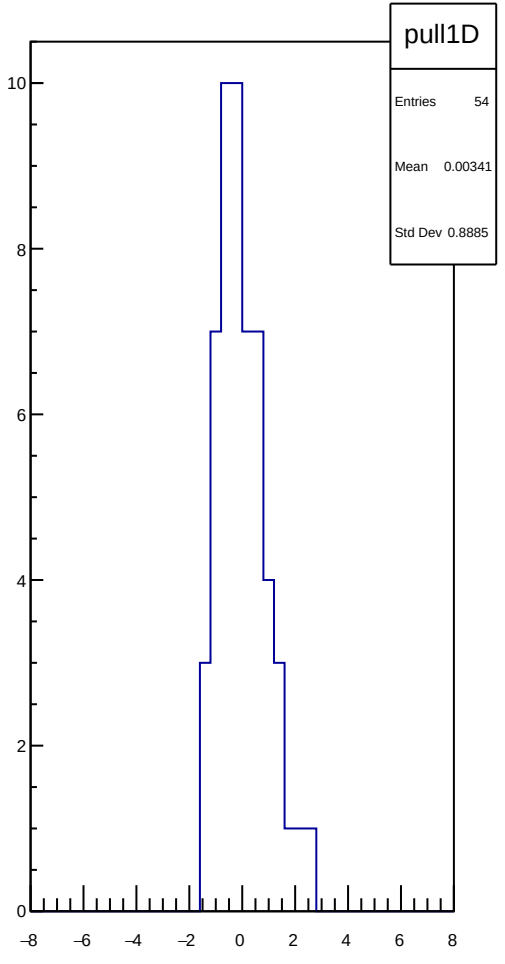

asym_usl_atl2_avg_reg_correction_rms vs run
χ² / ndf 1560 / 53
p0 4009 ± 3.898
4400
4200
4000
3800
3600
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

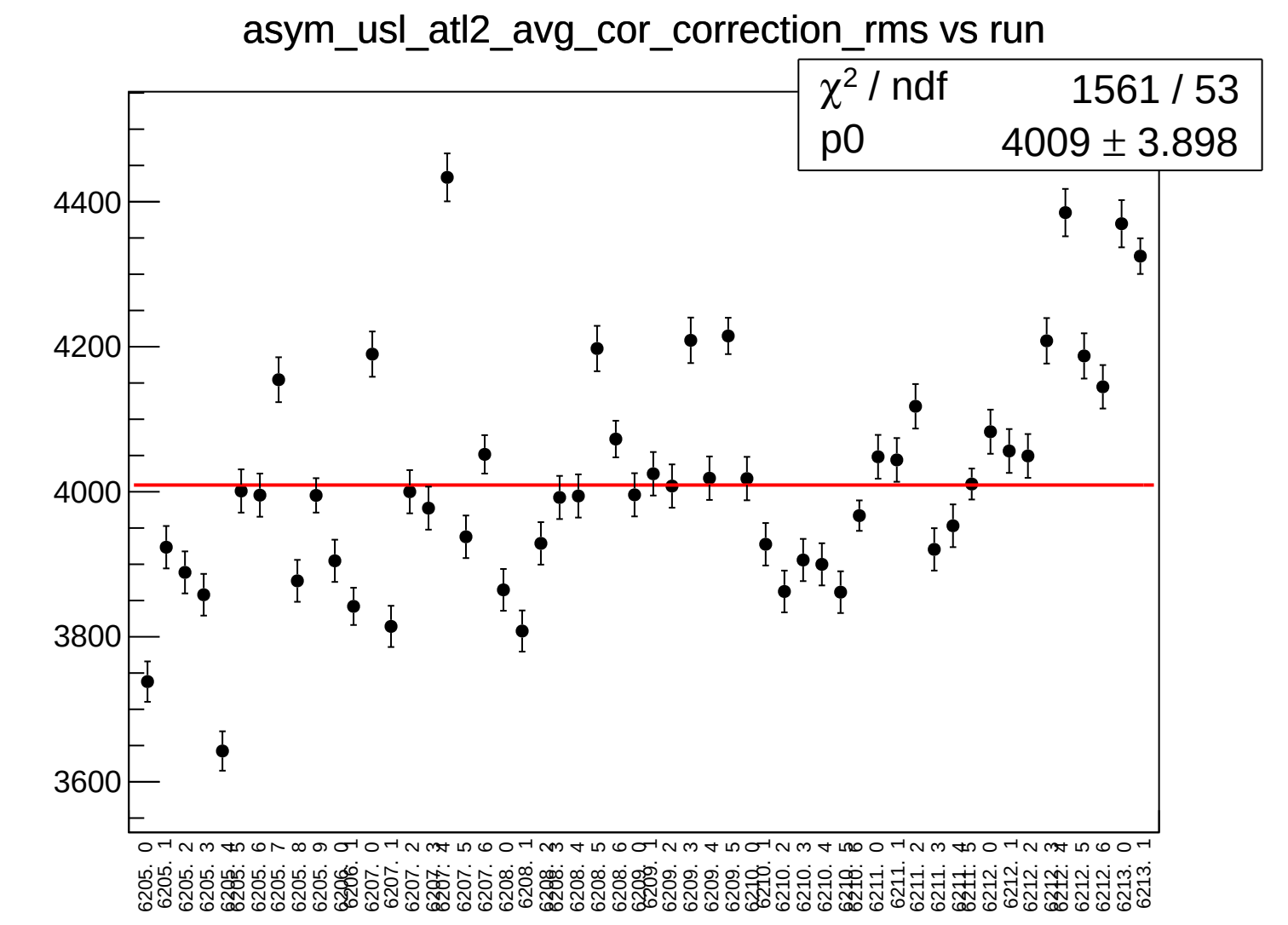

cor_asym_usl_atl2_avg_mean vs run
χ² / ndf 43.97 / 53
p0 1147 ± 1881
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 185.8
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

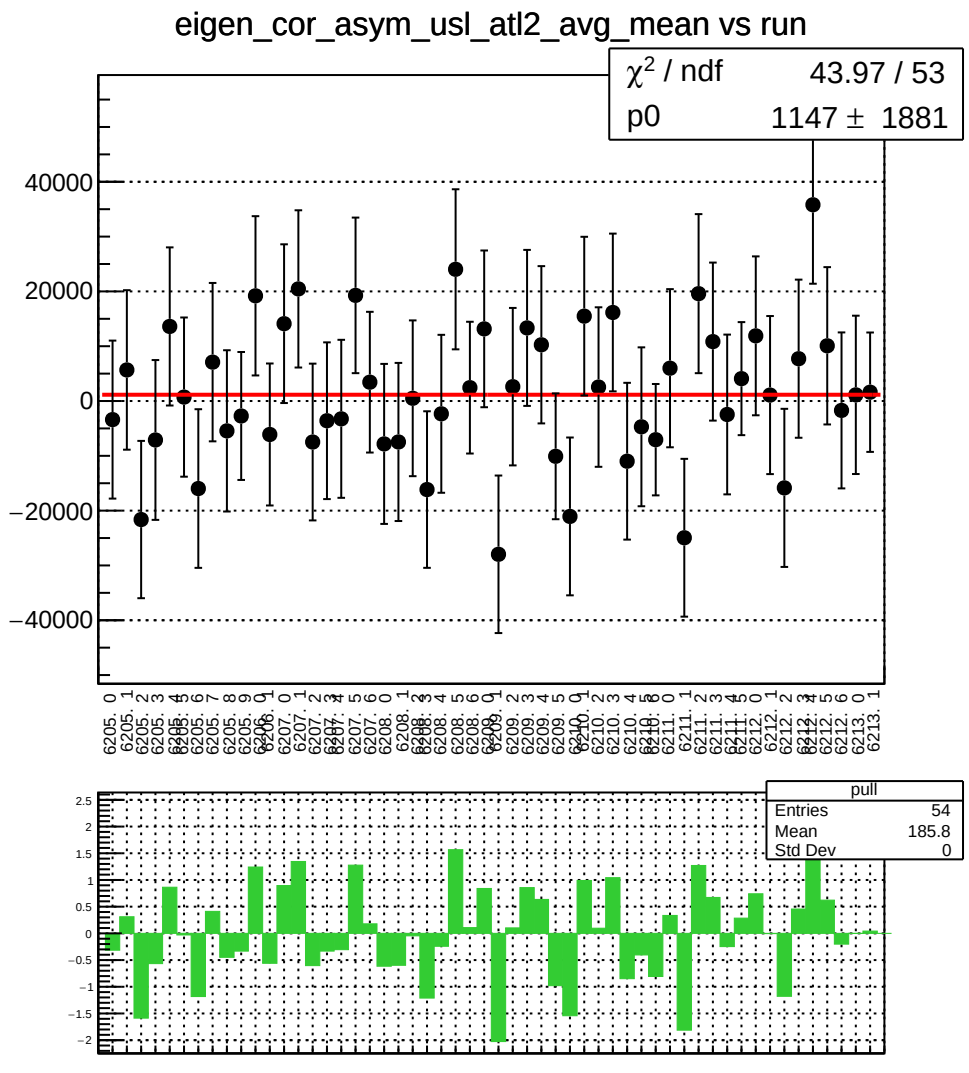

pull1D
Entries 54
Mean 0.01065
Std Dev 0.9023
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

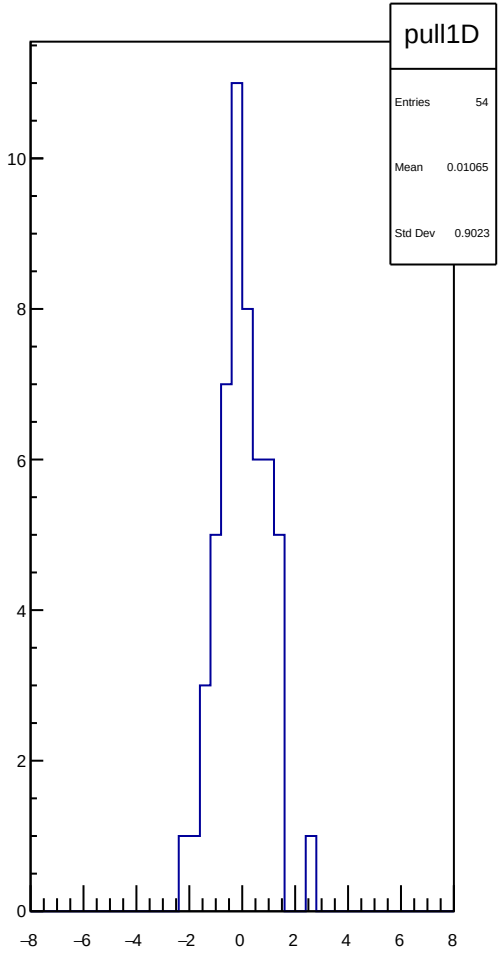

cor_asym_usl_atl2_avg_rms vs run
χ² / ndf 68.32 / 53
p0 1369 ± 1.33
1410
1400
1390
1380
1370
1360
1350
1340
1330
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 1
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

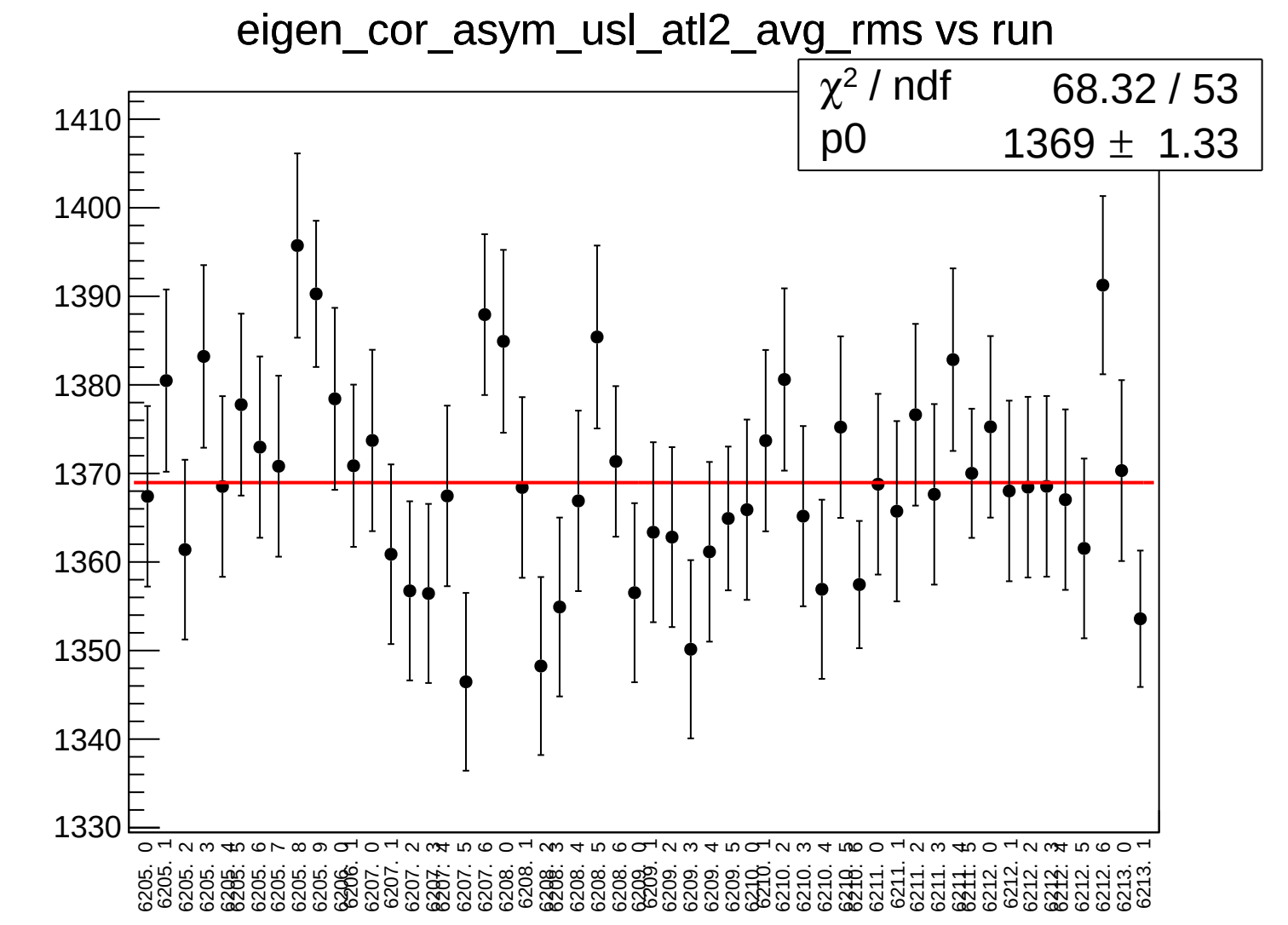

asym_usl_atl2_avg_cor_correction_mean vs run
χ² / ndf 42.63 / 53
p0 4164 ± 5513
×10³
150
100
50
0
−50
−100
pull
Entries 54
Mean 302.2
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

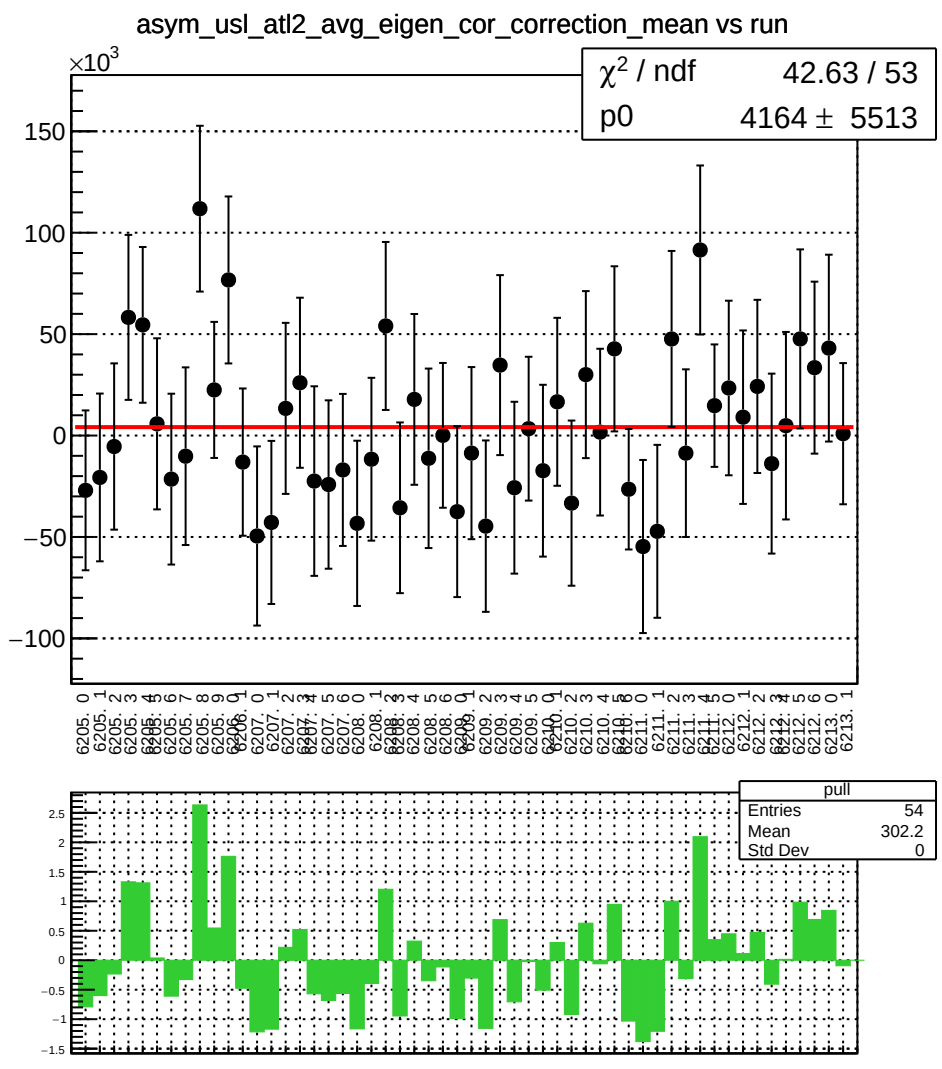

pull1D
Entries 54
Mean 0.00341
Std Dev 0.8885
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

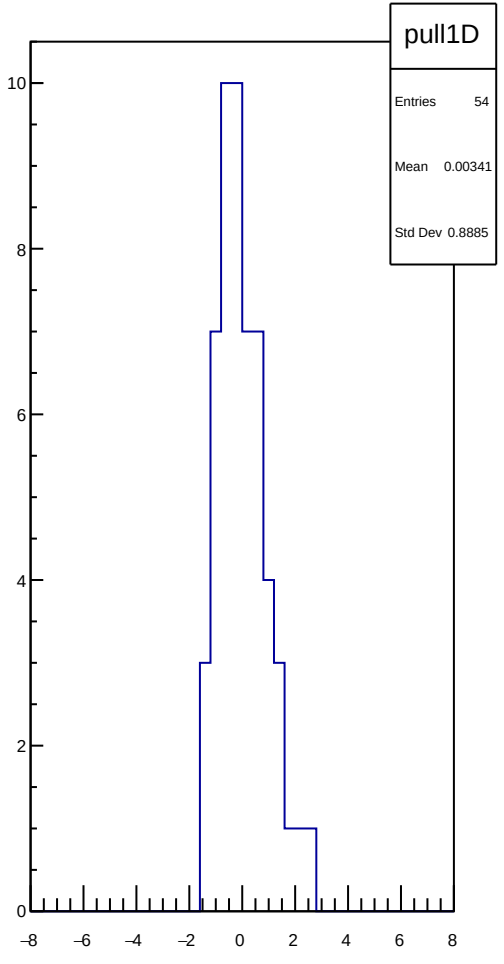

asym_usl_atl2_avg_cor_correction_rms vs run
χ² / ndf 1561 / 53
p0 4009 ± 3.898
4400
4200
4000
3800
3600
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

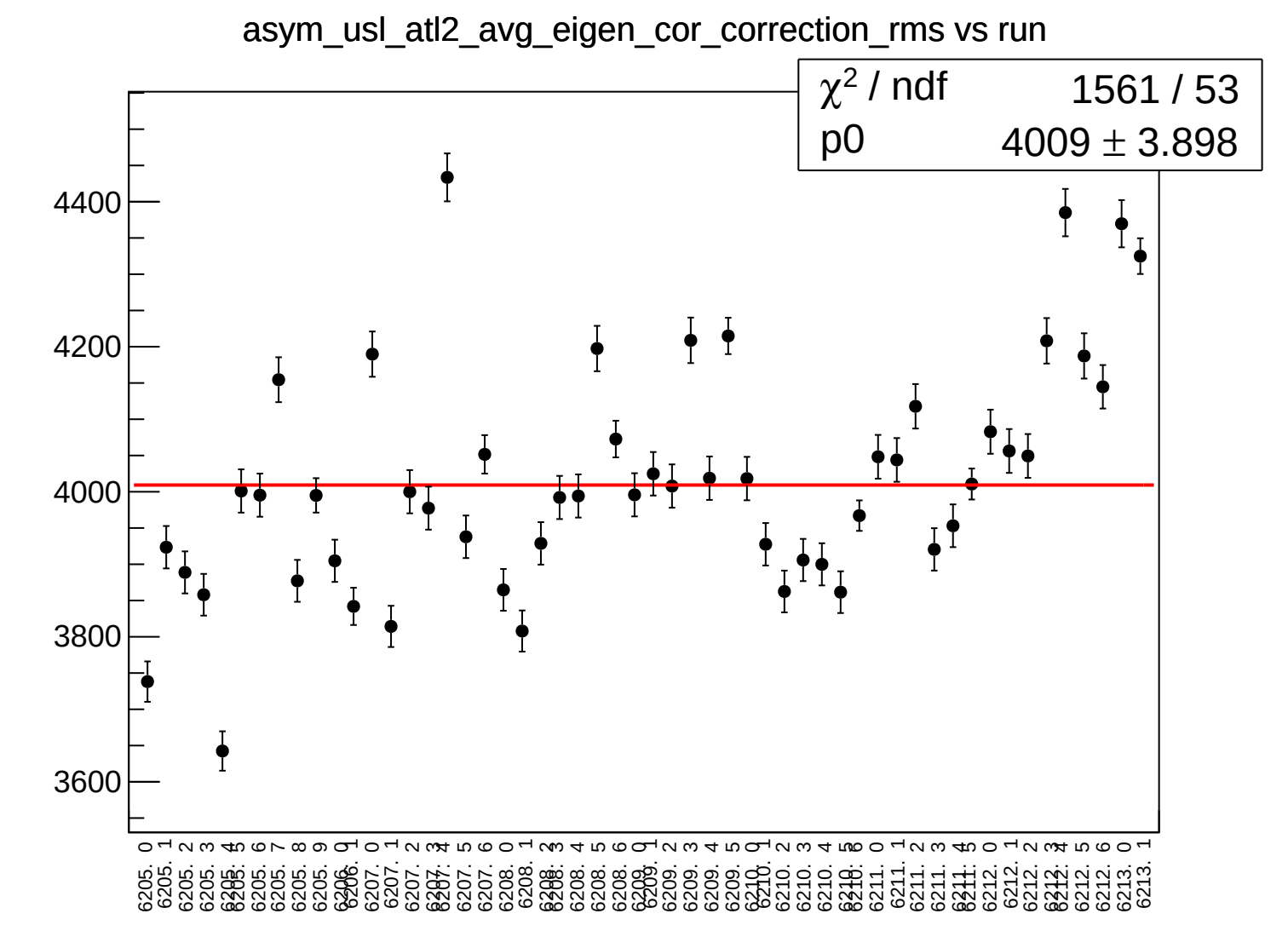

eigen_cor_asym_usl_atl2_avg_mean vs run
χ² / ndf 43.97 / 53
p0 1147 ± 1881
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 185.8
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

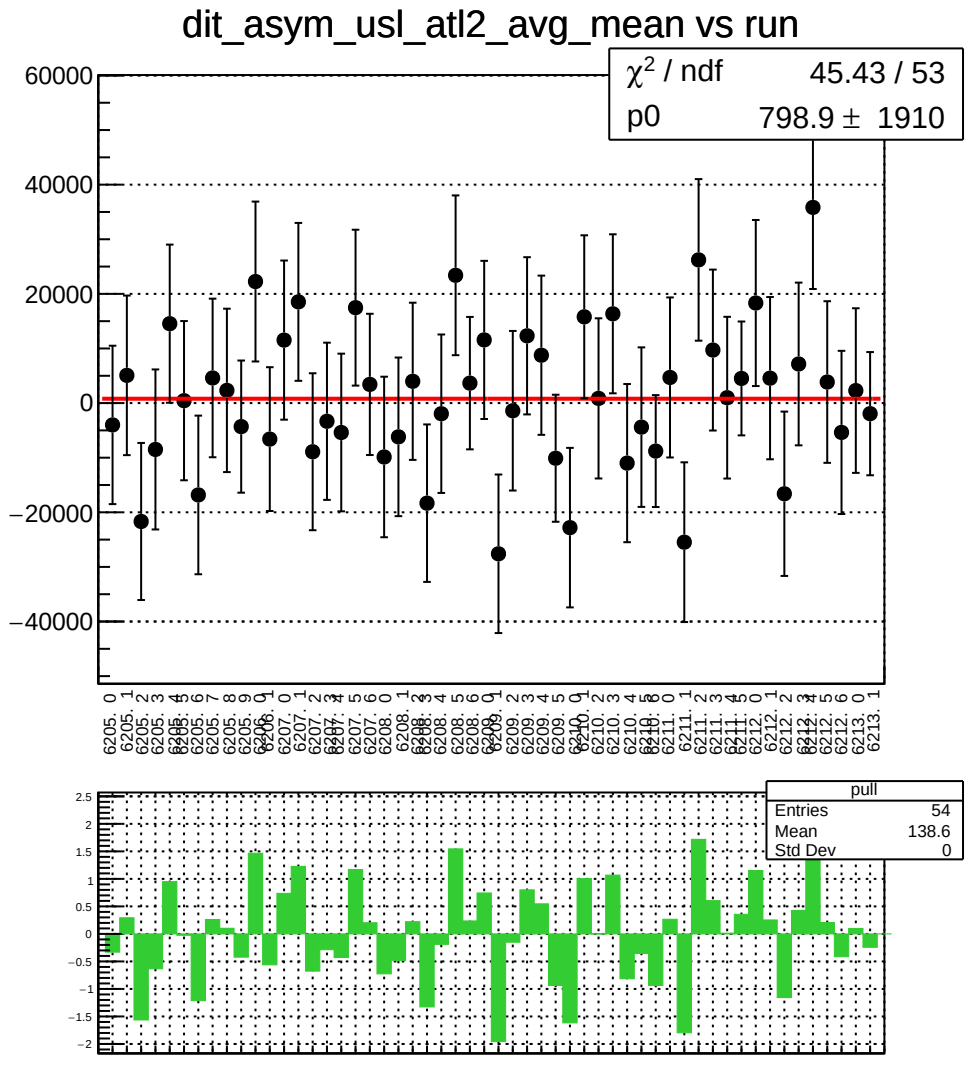

pull1D
Entries 54
Mean 0.01065
Std Dev 0.9023
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

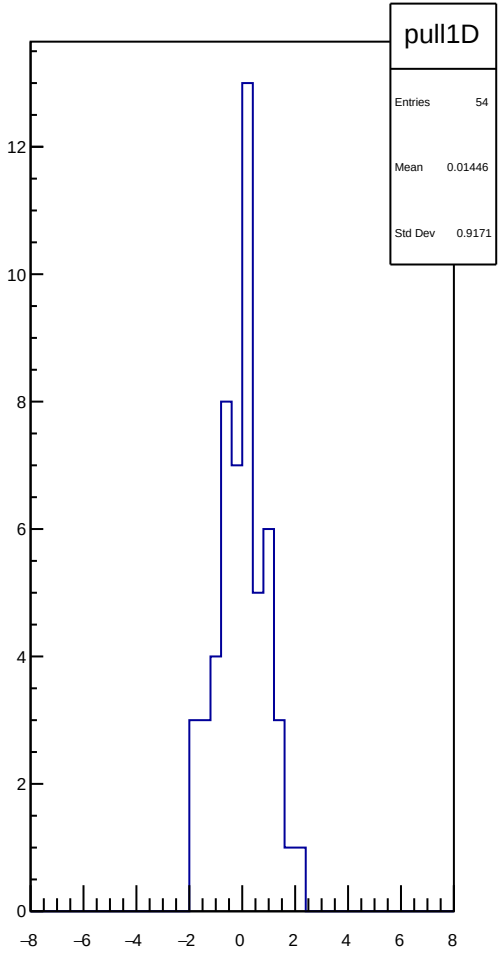

eigen_cor_asym_usl_atl2_avg_rms vs run
χ² / ndf 68.32 / 53
p0 1369 ± 1.33
1410
1400
1390
1380
1370
1360
1350
1340
1330
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 1
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

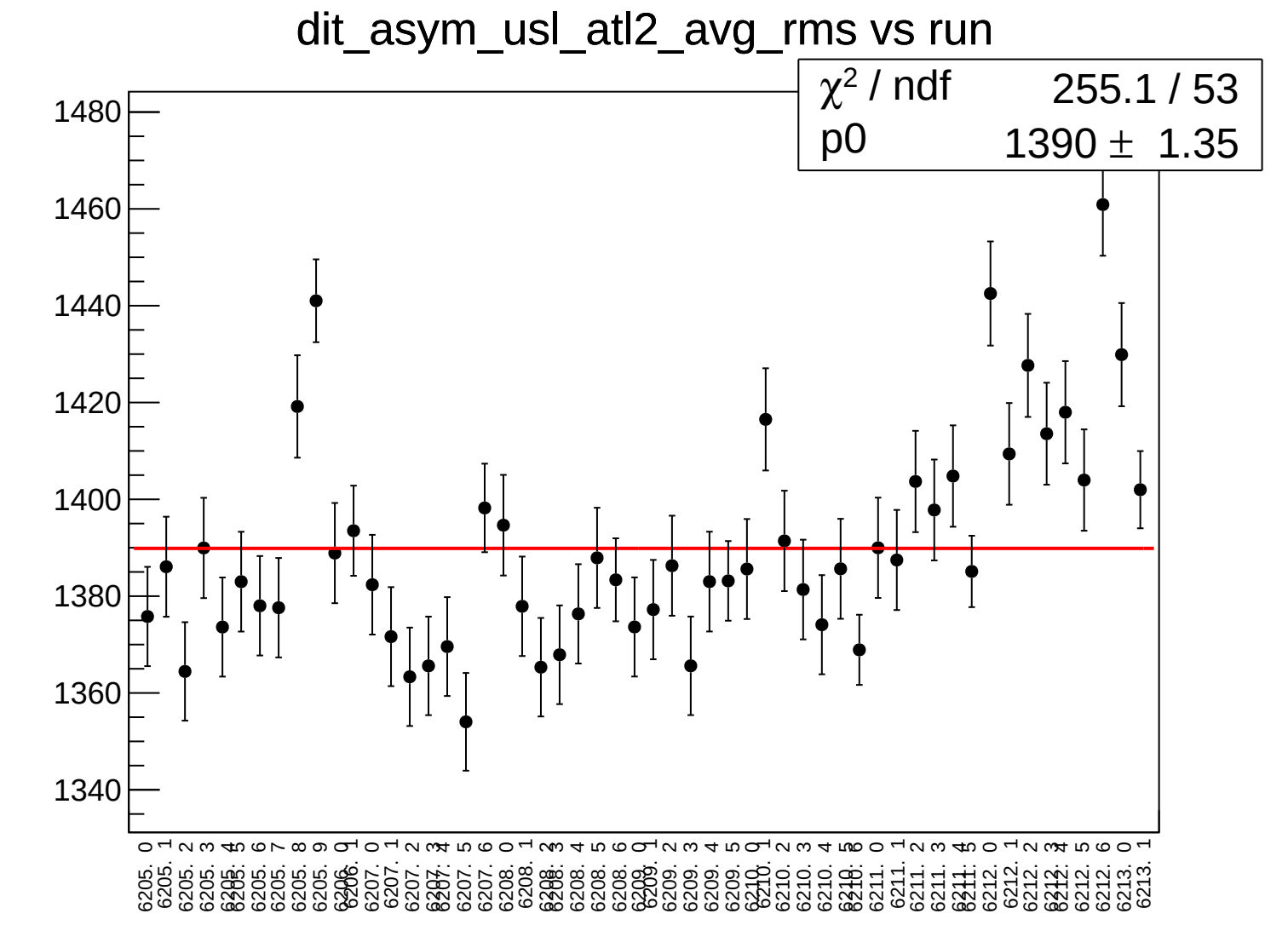

asym_usl_atl2_avg_eigen_cor_correction_mean vs run
×10^3
χ^2 / ndf 42.63 / 53
p0 4164 ± 5513
150
100
50
0
−50
−100
pull
Entries 54
Mean 302.2
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

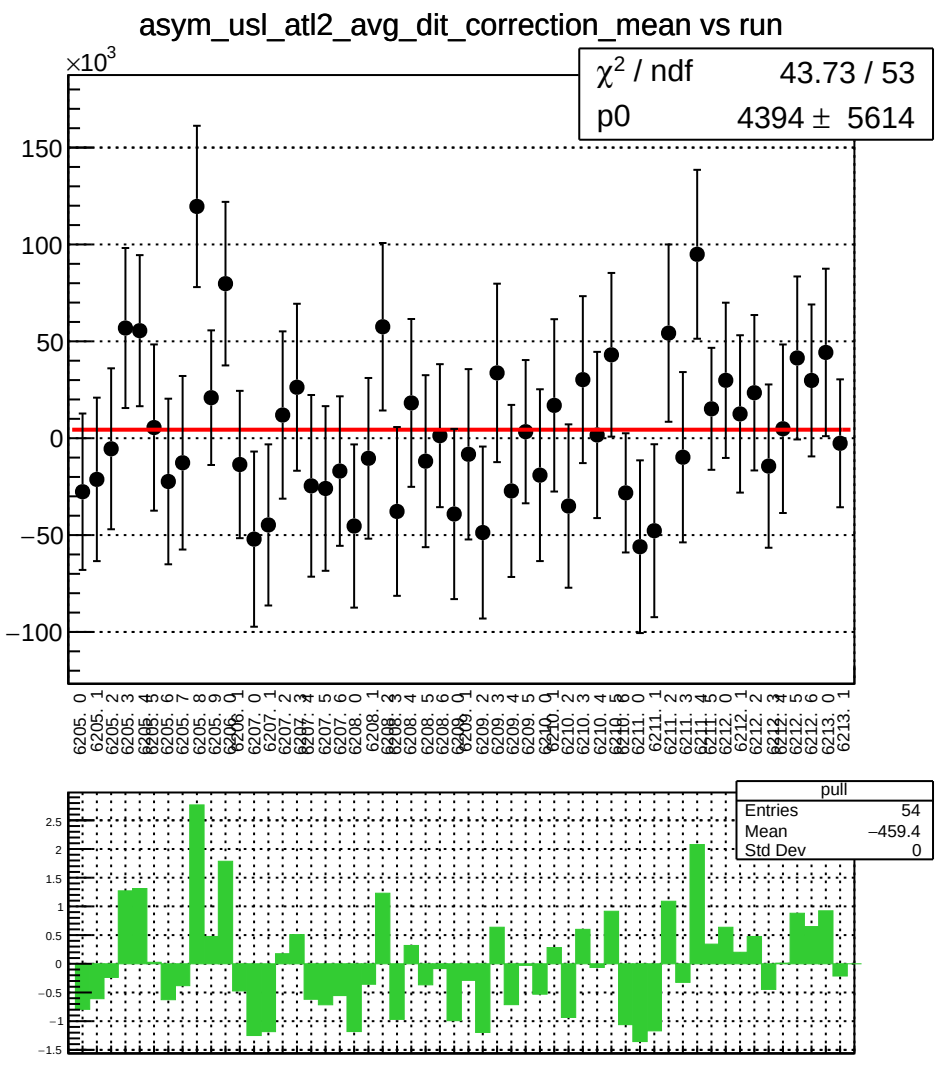

pull1D
Entries 54
Mean 0.00341
Std Dev 0.8885
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

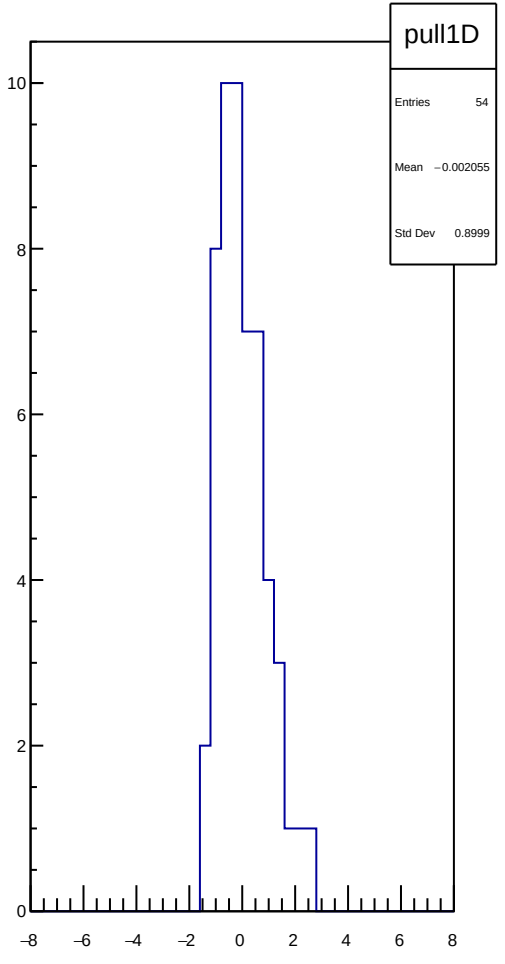

asym_usl_atl2_avg_eigen_cor_correction_rms vs run
χ² / ndf 1561 / 53
p0 4009 ± 3.898
4400
4200
4000
3800
3600
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

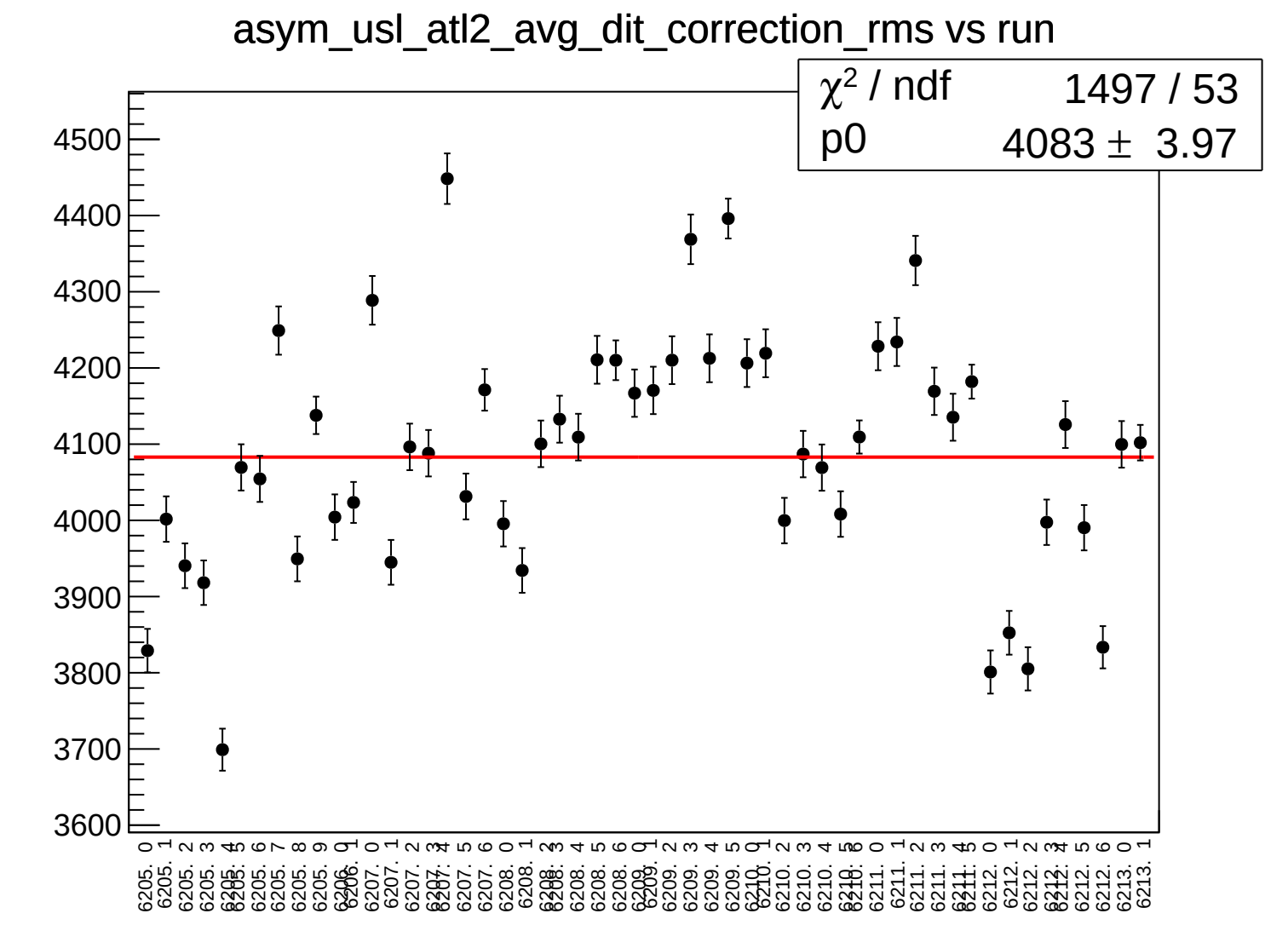

dit_asym_usl_atl2_avg_mean vs run
χ² / ndf 45.43 / 53
p0 798.9 ± 1910
60000
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 138.6
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

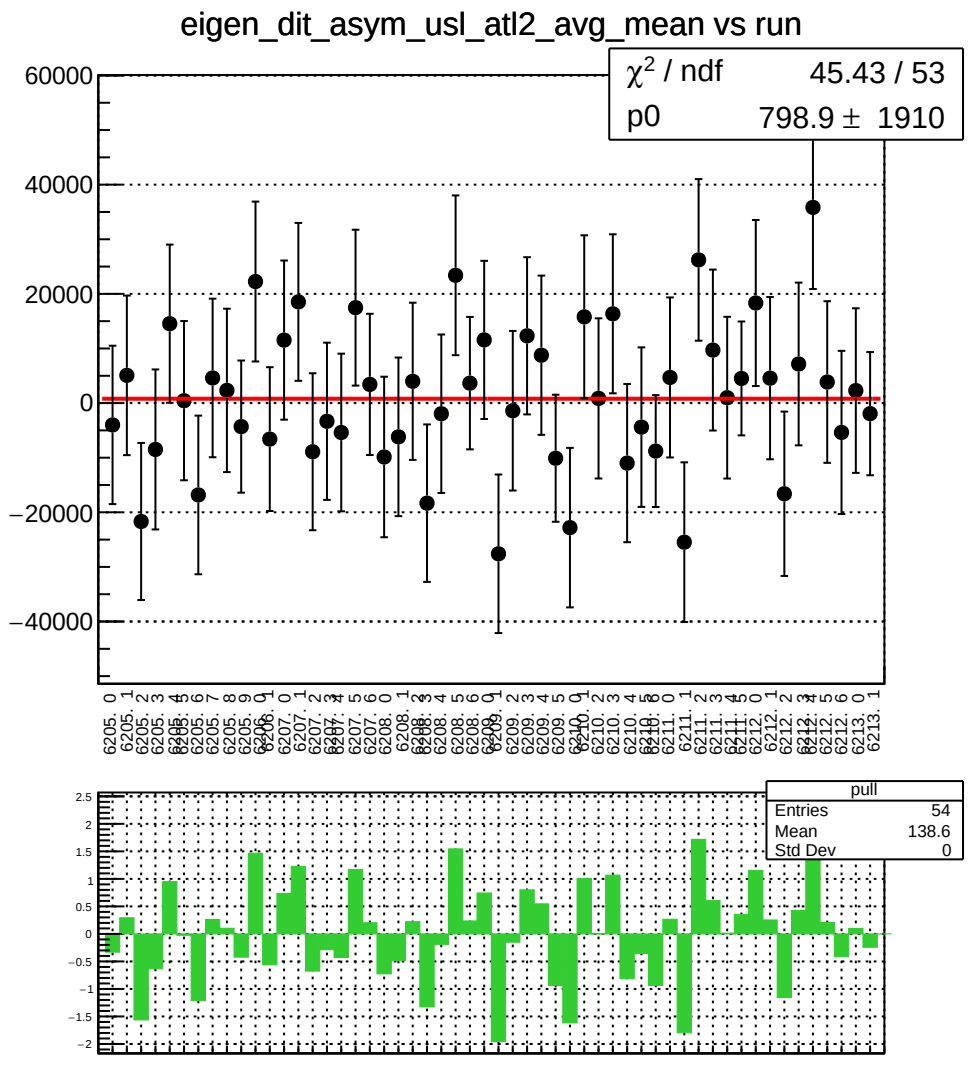

pull1D
Entries 54
Mean 0.01446
Std Dev 0.9171
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

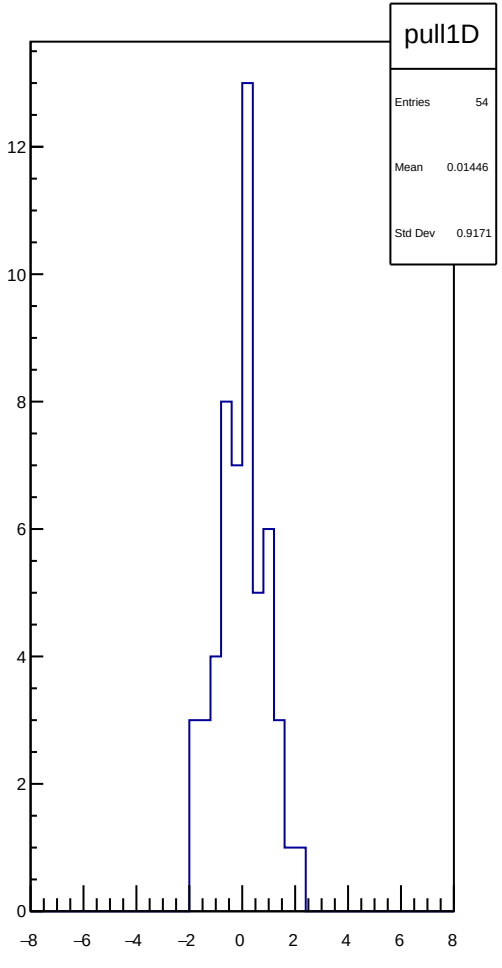

dit_asym_usl_atl2_avg_rms vs run
χ² / ndf 255.1 / 53
p0 1390 ± 1.35
1480
1460
1440
1420
1400
1380
1360
1340
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

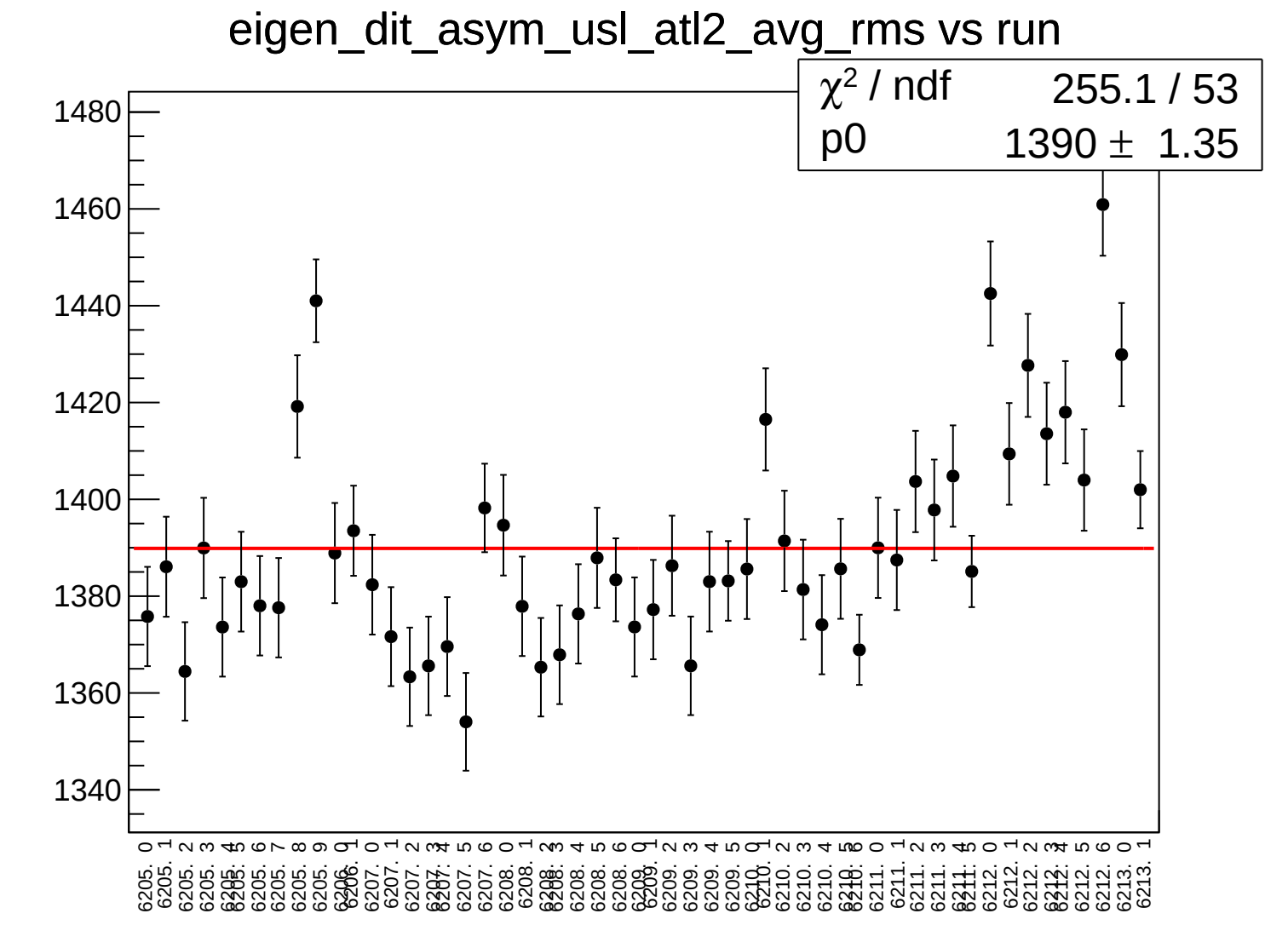

asym_usl_atl2_avg_dit_correction_mean vs run
×10^3
χ² / ndf 43.73 / 53
p0 4394 ± 5614
150
100
50
0
−50
−100
pull
Entries 54
Mean −459.4
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

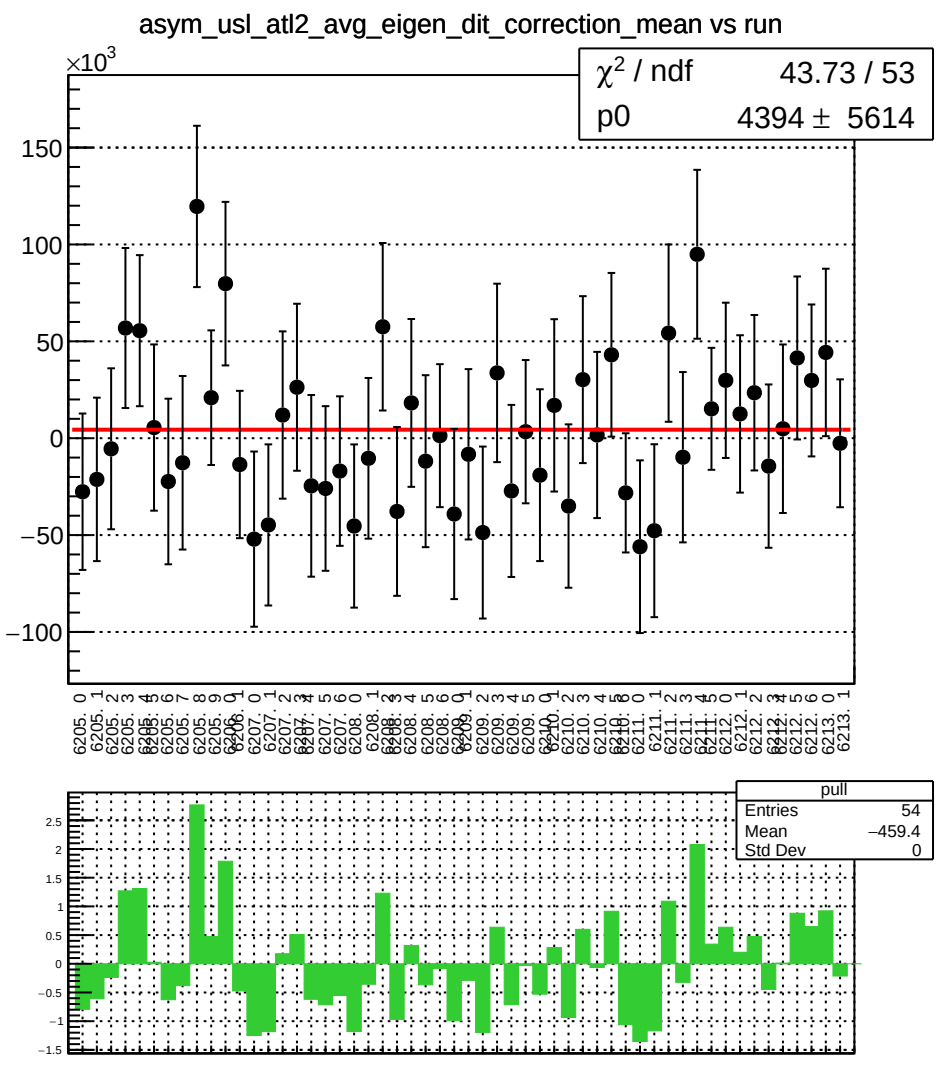

pull1D
Entries 54
Mean −0.002055
Std Dev 0.8999
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

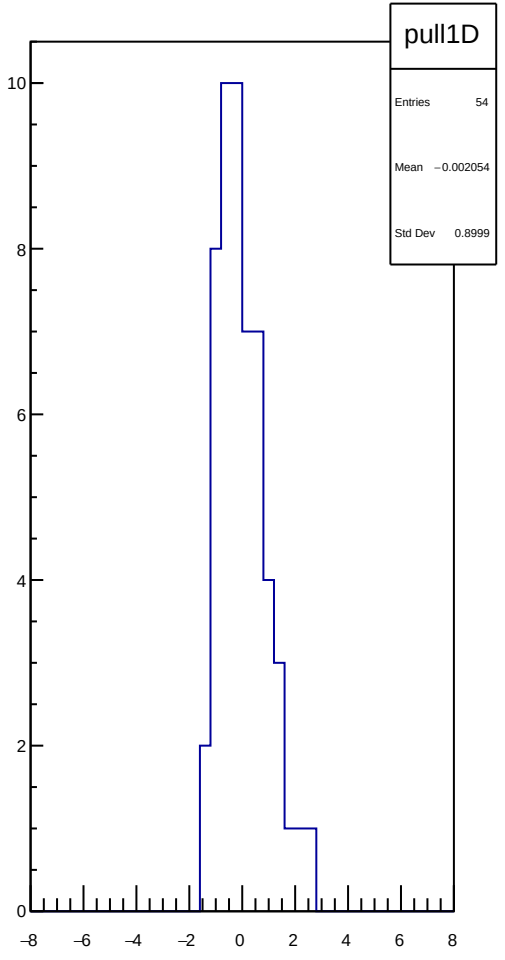

asym_usl_atl2_avg_dit_correction_rms vs run
χ² / ndf 1497 / 53
p0 4083 ± 3.97
4500
4400
4300
4200
4100
4000
3900
3800
3700
3600
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

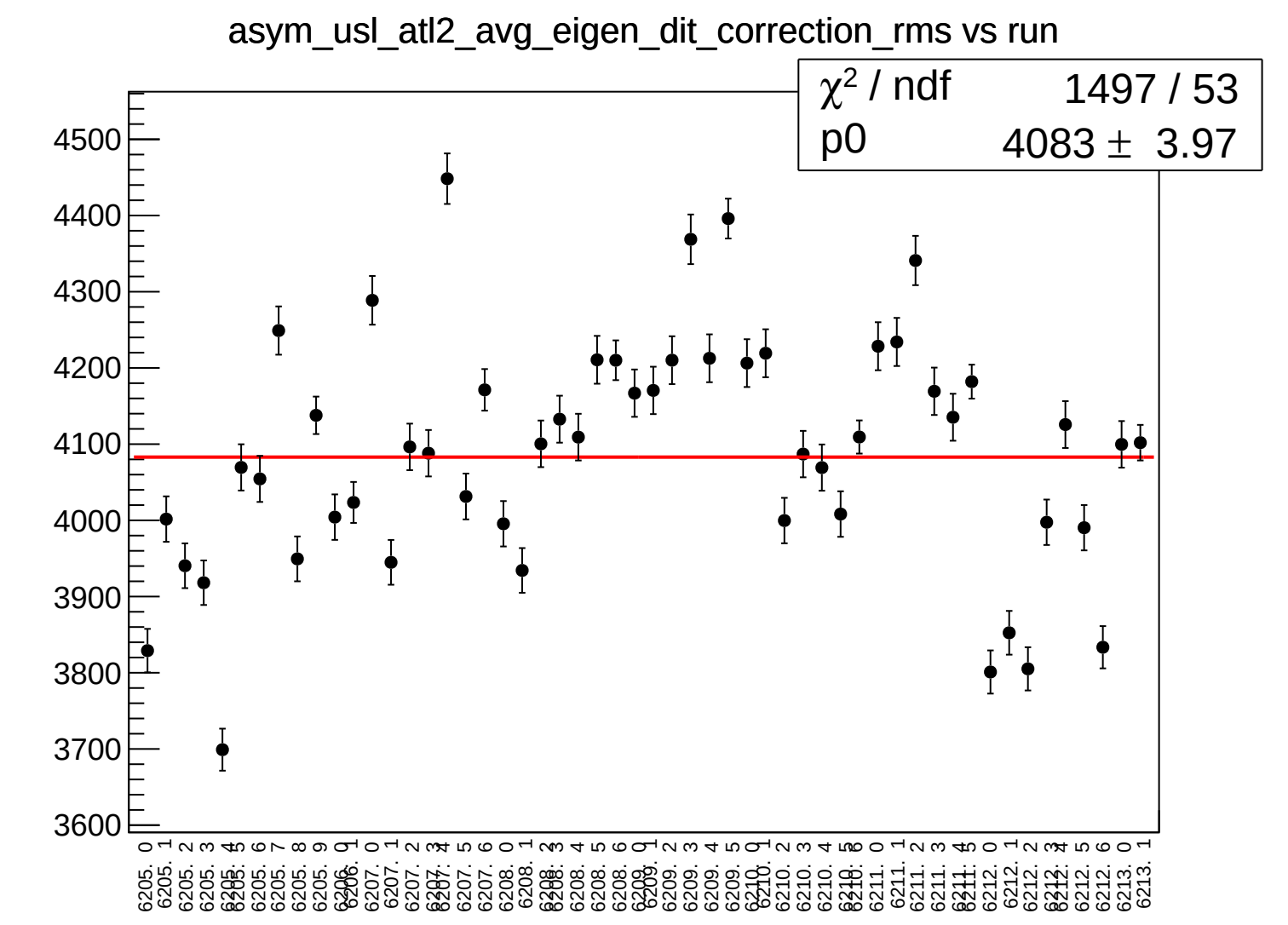

eigen_dit_asym_usl_atl2_avg_mean vs run
χ² / ndf 45.43 / 53
p0 798.9 ± 1910
60000
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 138.6
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

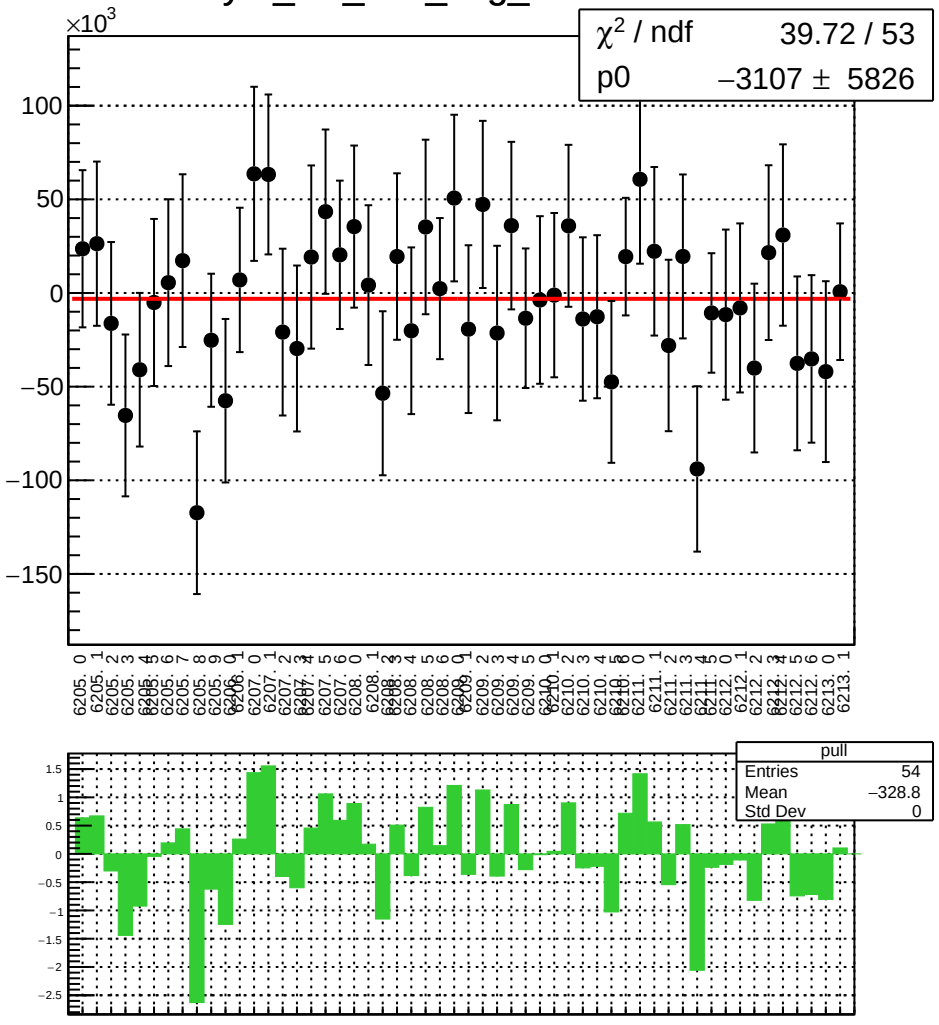

pull1D
Entries 54
Mean 0.01446
Std Dev 0.9171
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

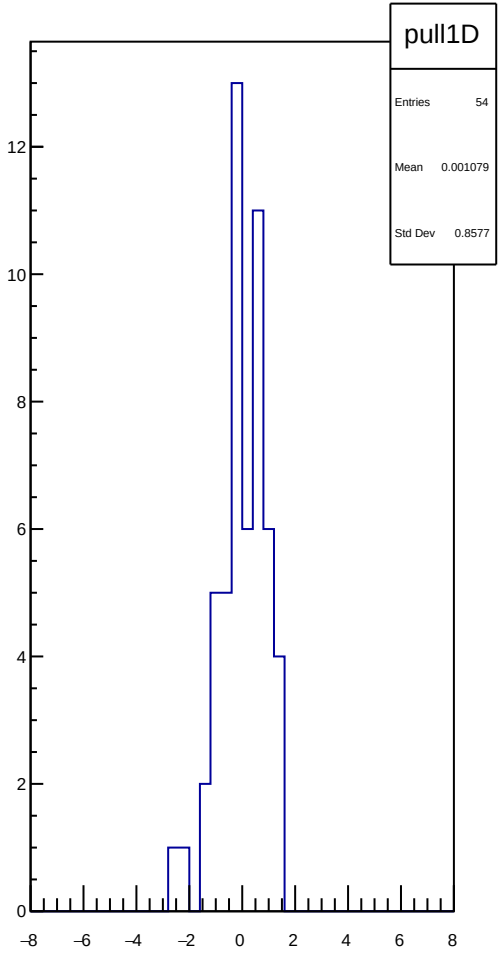

eigen_dit_asym_usl_atl2_avg_rms vs run
χ² / ndf 255.1 / 53
p0 1390 ± 1.35
1480
1460
1440
1420
1400
1380
1360
1340
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

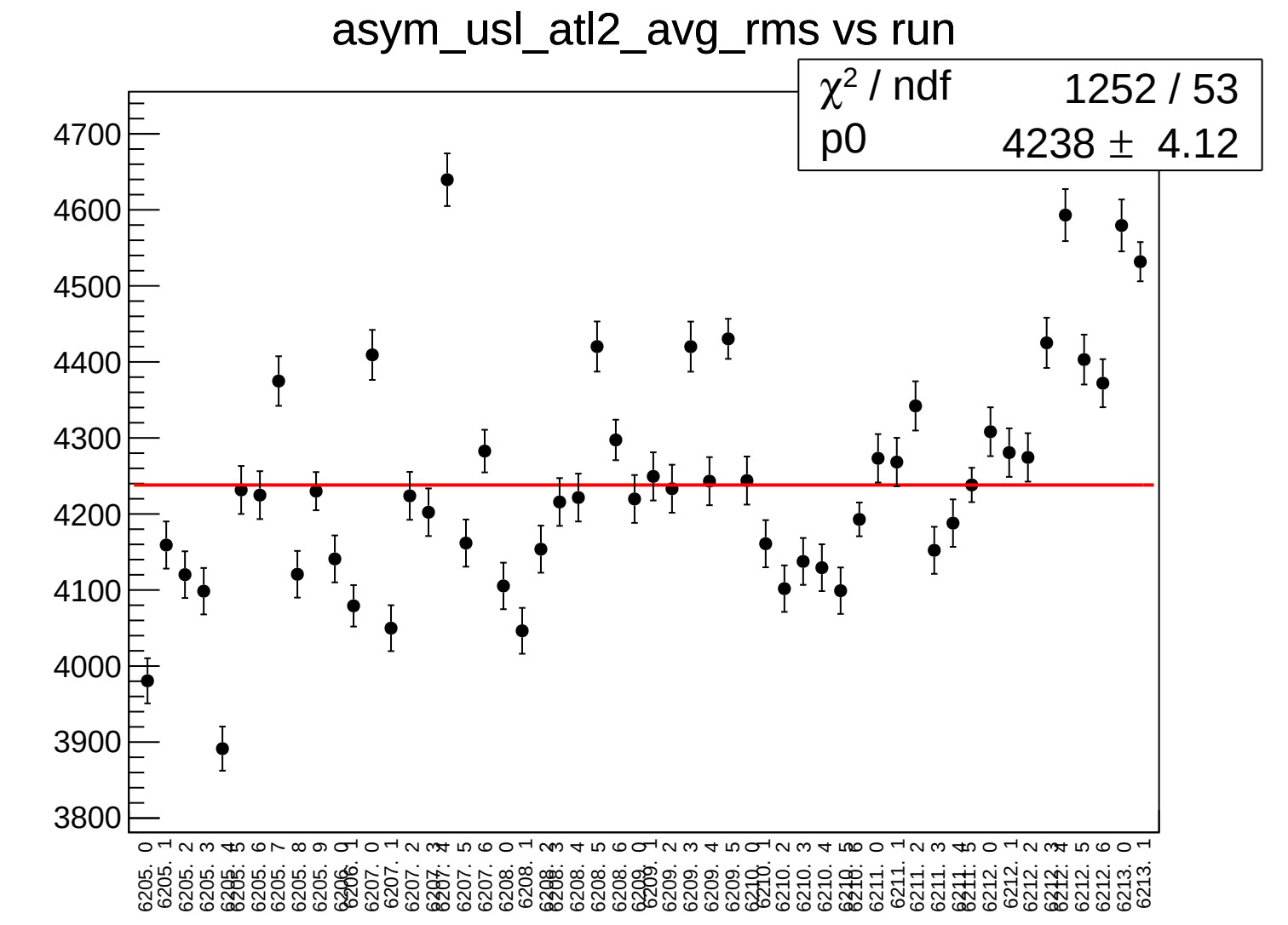

asym_usl_atl2_avg_eigen_dit_correction_mean vs run
χ² / ndf 43.73 / 53
p0 4394 ± 5614
pull
Entries 54
Mean −459.4
Std Dev 0

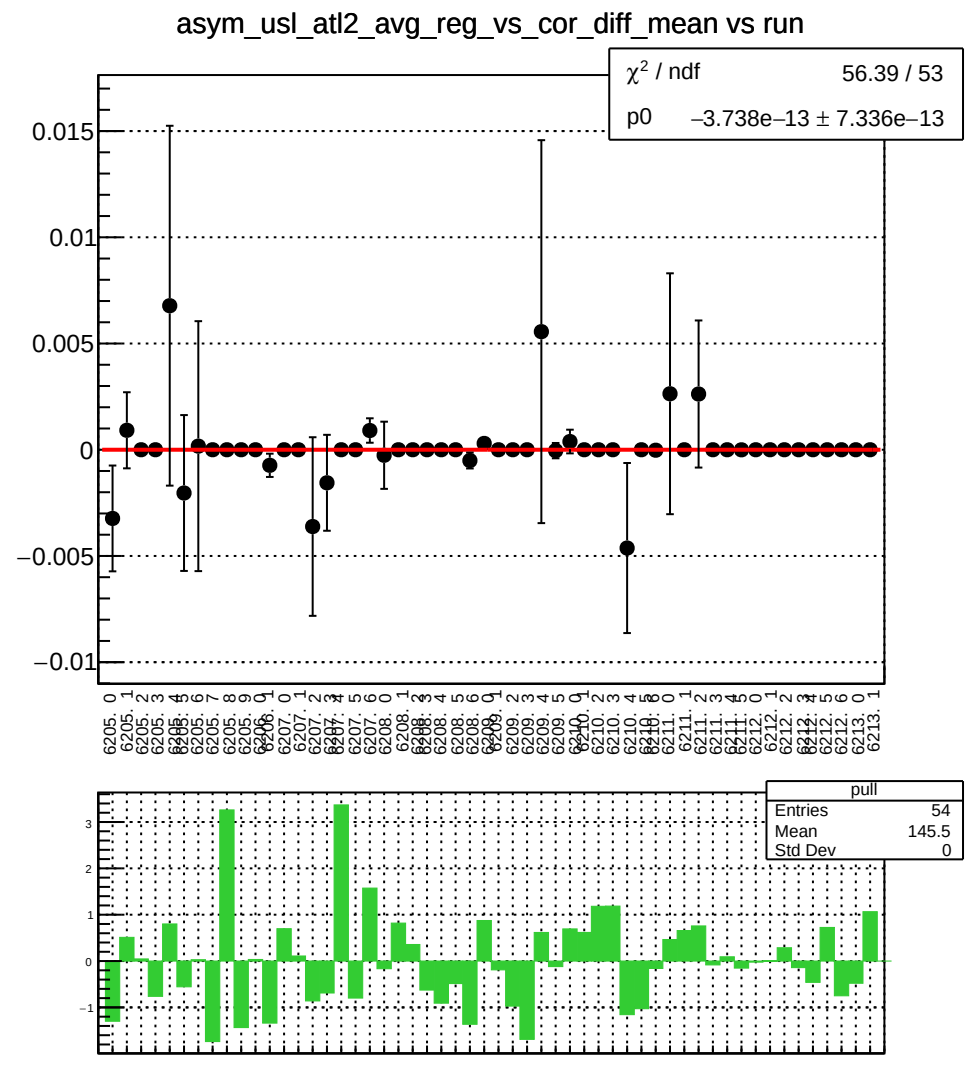

pull1D
Entries 54
Mean −0.002054
Std Dev 0.8999

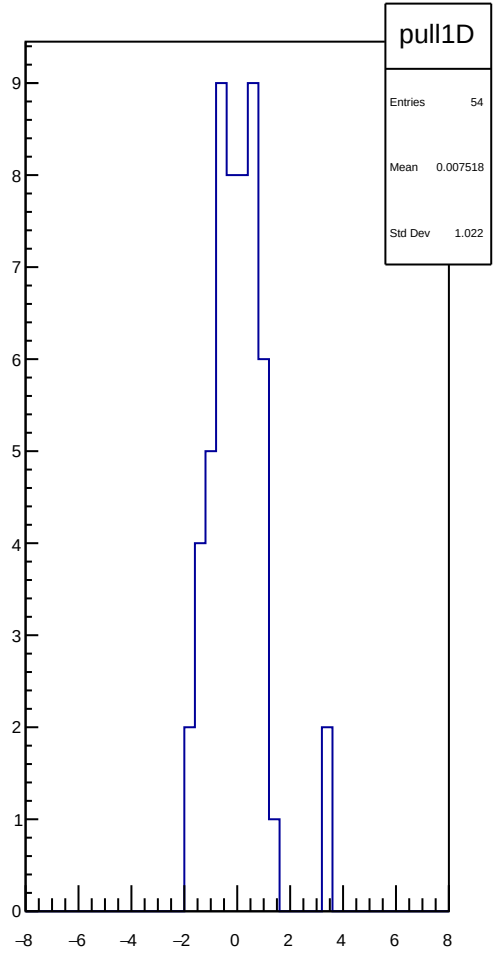

asym_usl_atl2_avg_eigen_dit_correction_rms vs run
χ² / ndf 1497 / 53
p0 4083 ± 3.97
4500
4400
4300
4200
4100
4000
3900
3800
3700
3600
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

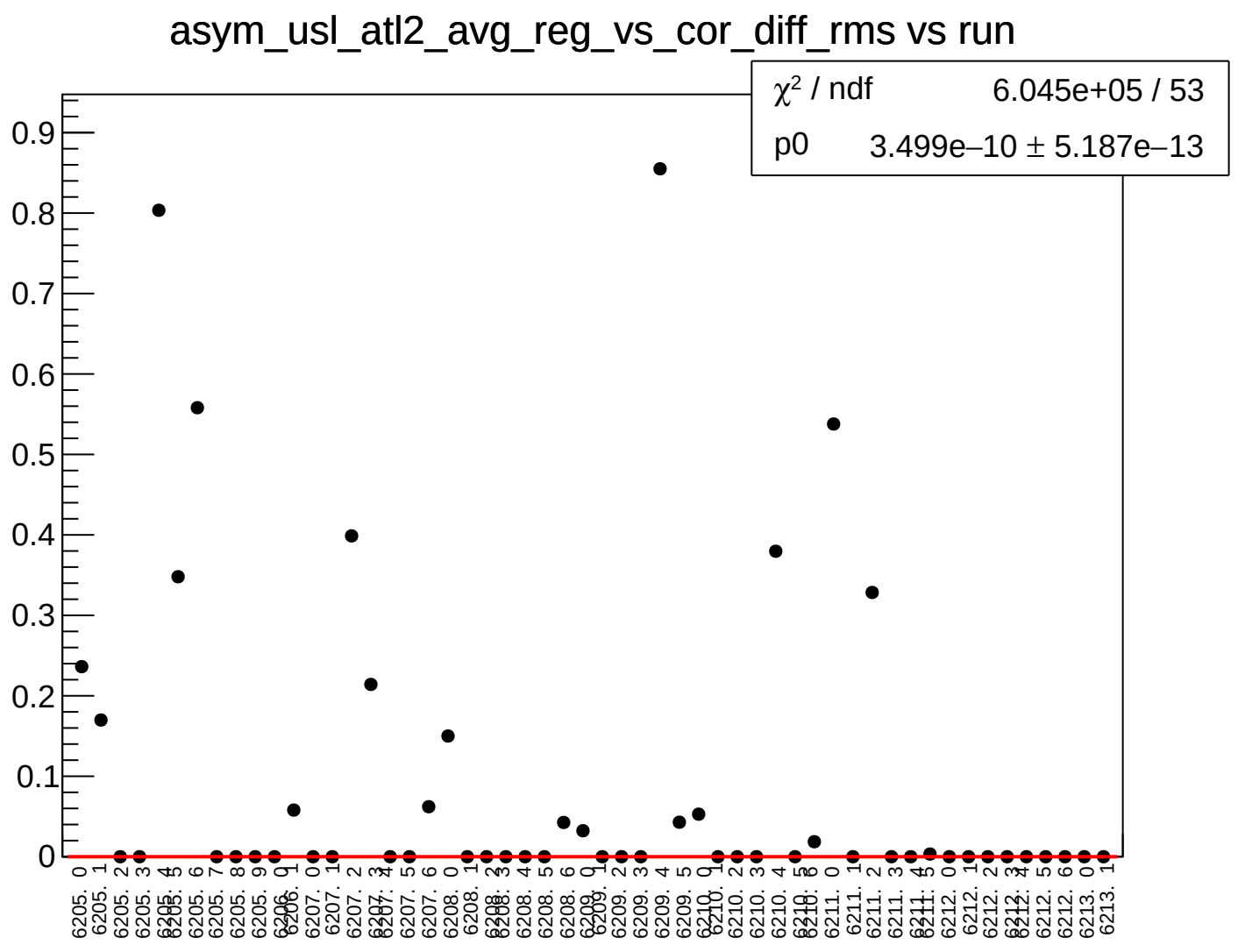

asym_usl_atl2_avg_mean vs run
χ² / ndf 39.72 / 53
p0 −3107 ± 5826
pull
Entries 54
Mean −328.8
Std Dev 0

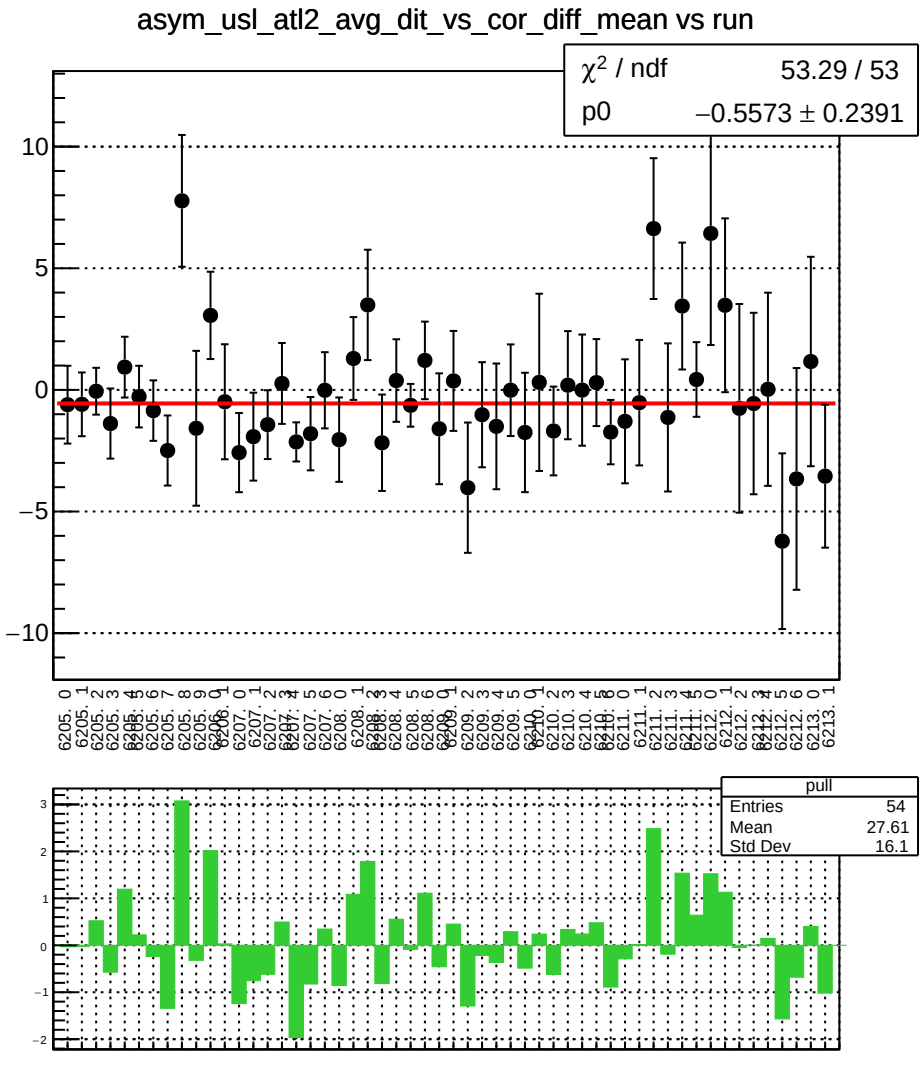

pull1D
Entries 54
Mean 0.001079
Std Dev 0.8577

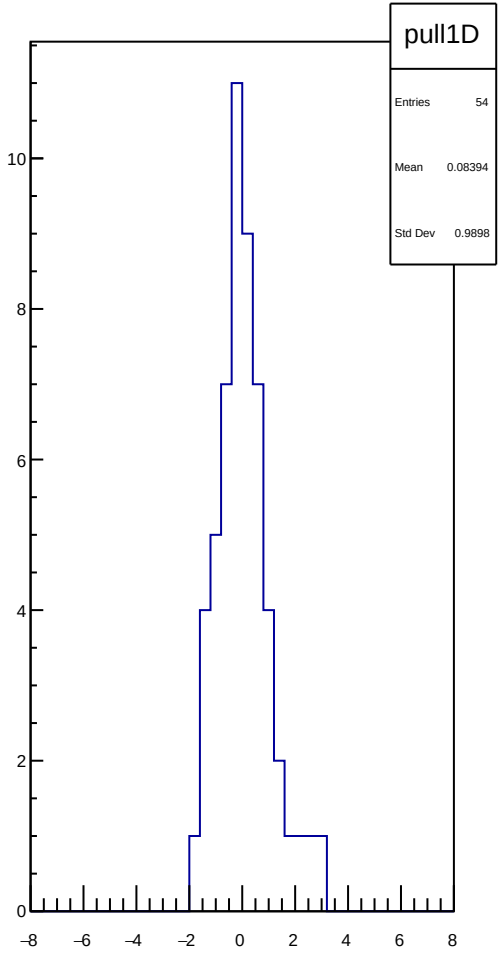

asym_usl_atl2_avg_rms vs run
χ² / ndf 1252 / 53
p0 4238 ± 4.12
4700
4600
4500
4400
4300
4200
4100
4000
3900
3800
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6209. 6
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

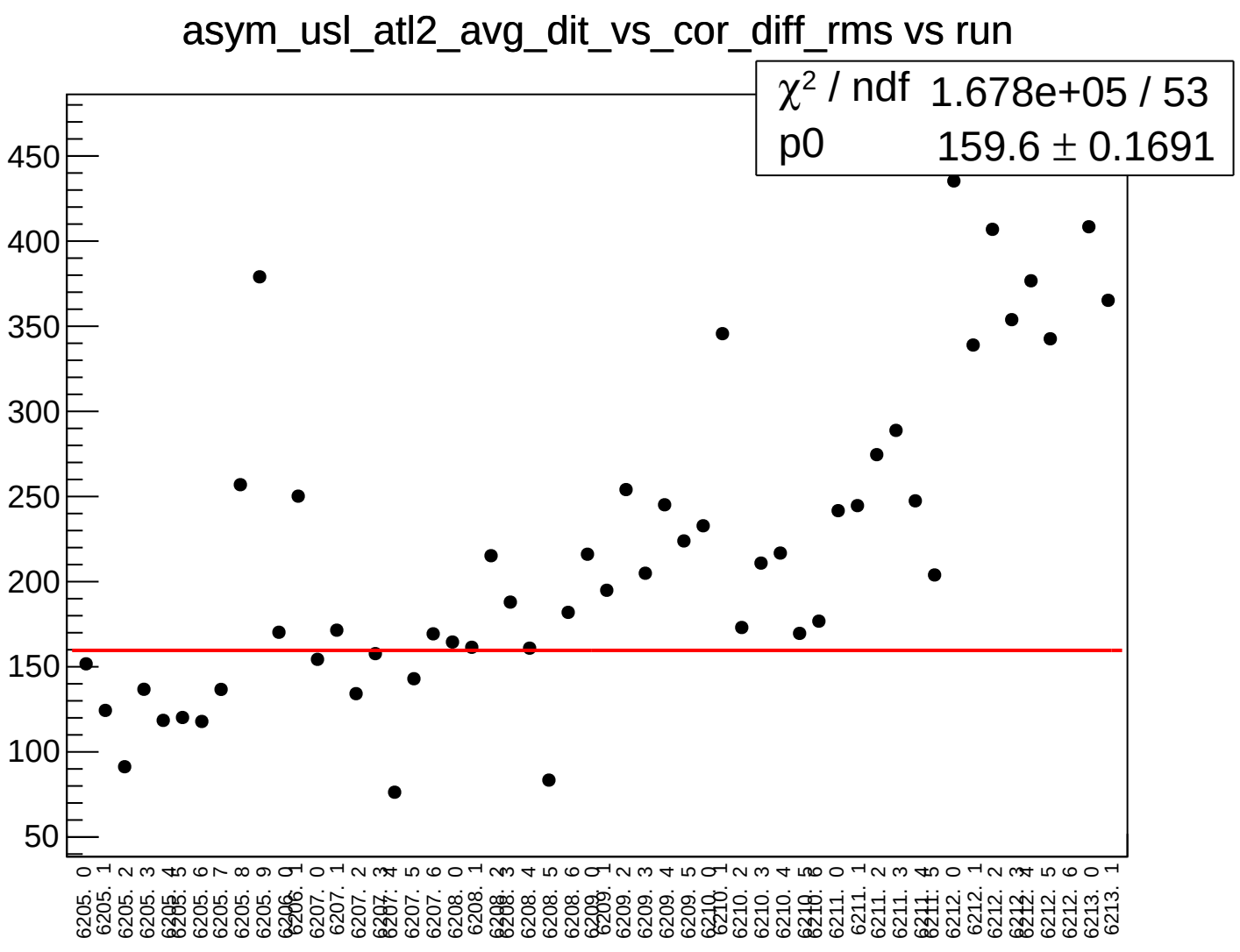

asym_usl_atl2_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 56.39 / 53
p0 −3.738e−13 ± 7.336e−13
0.015
0.01
0.005
0
−0.005
−0.01
pull
Entries 54
Mean 145.5
Std Dev 0

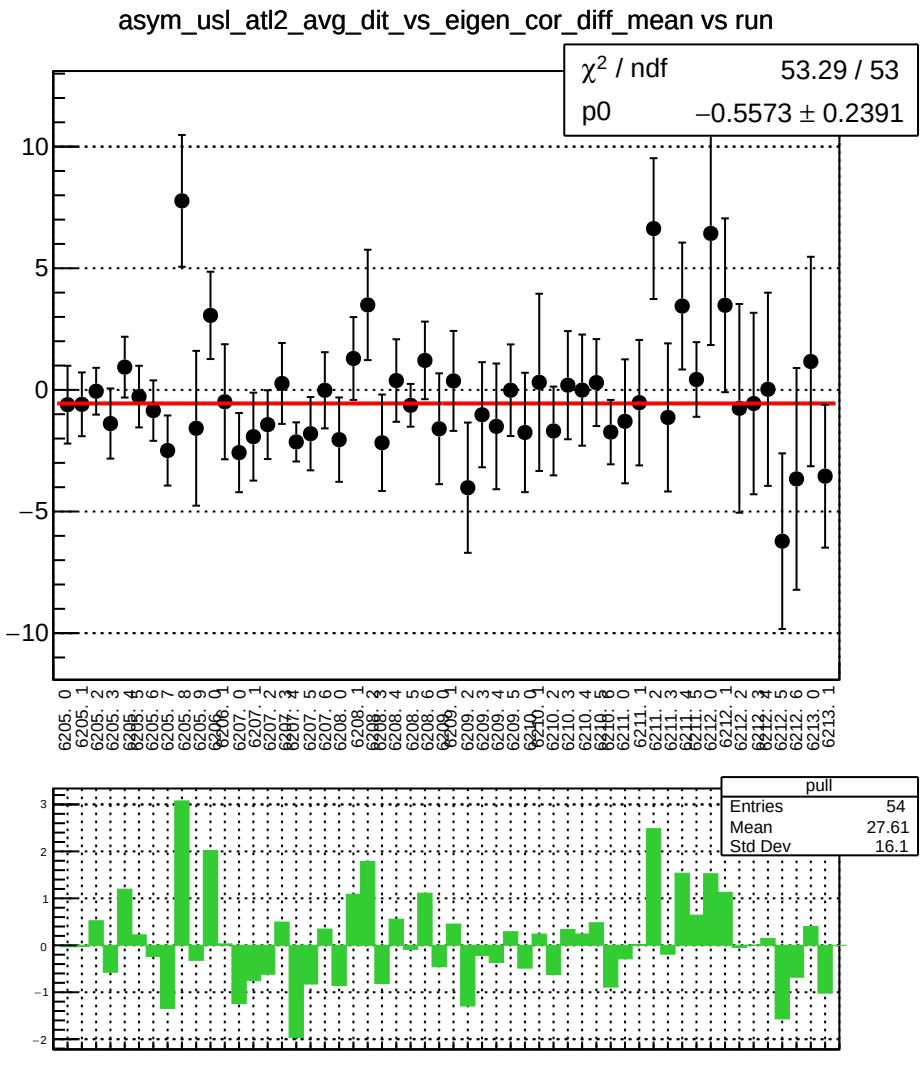

pull1D
Entries 54
Mean 0.007518
Std Dev 1.022

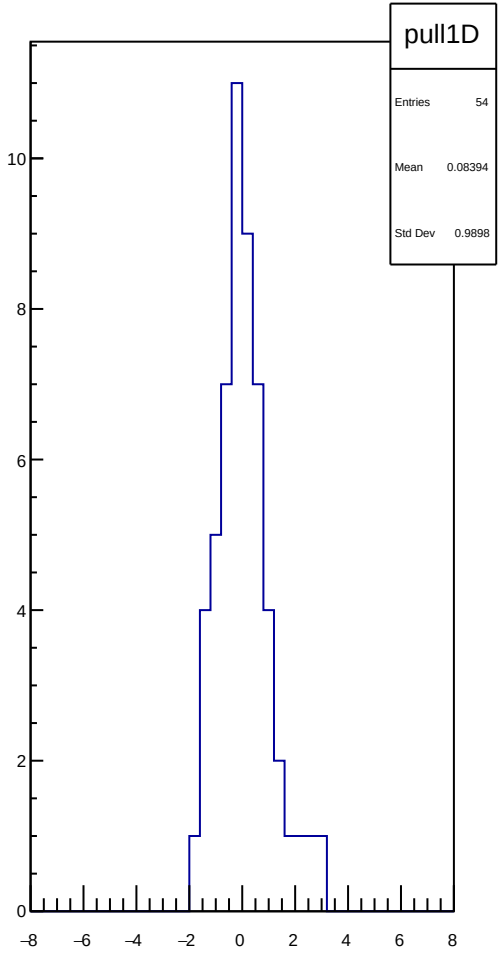

asym_usl_atl2_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.045e+05 / 53
p0 3.499e−10 ± 5.187e−13
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

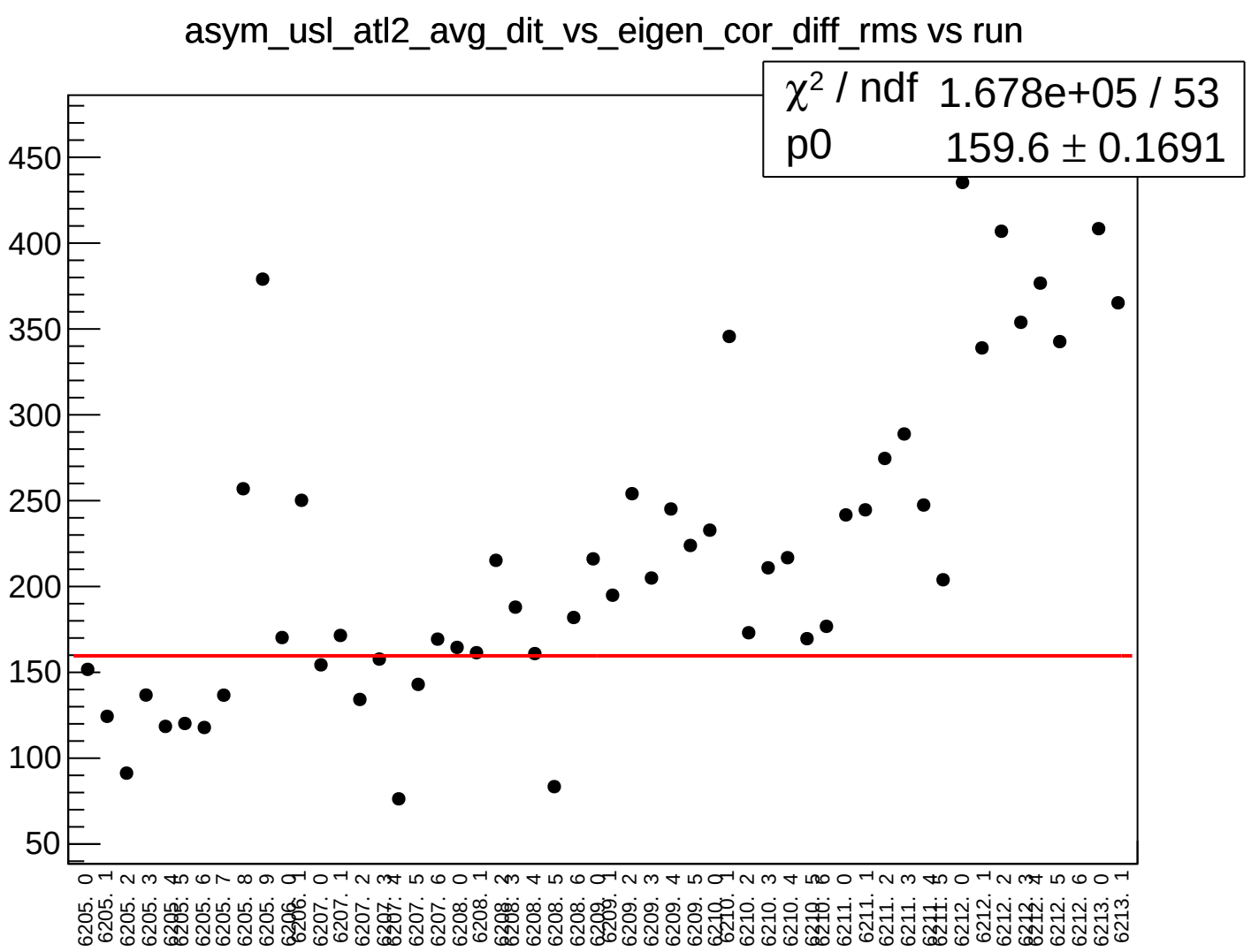

asym_usl_atl2_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 53.29 / 53
p0 −0.5573 ± 0.2391
pull
Entries 54
Mean 27.61
Std Dev 16.1

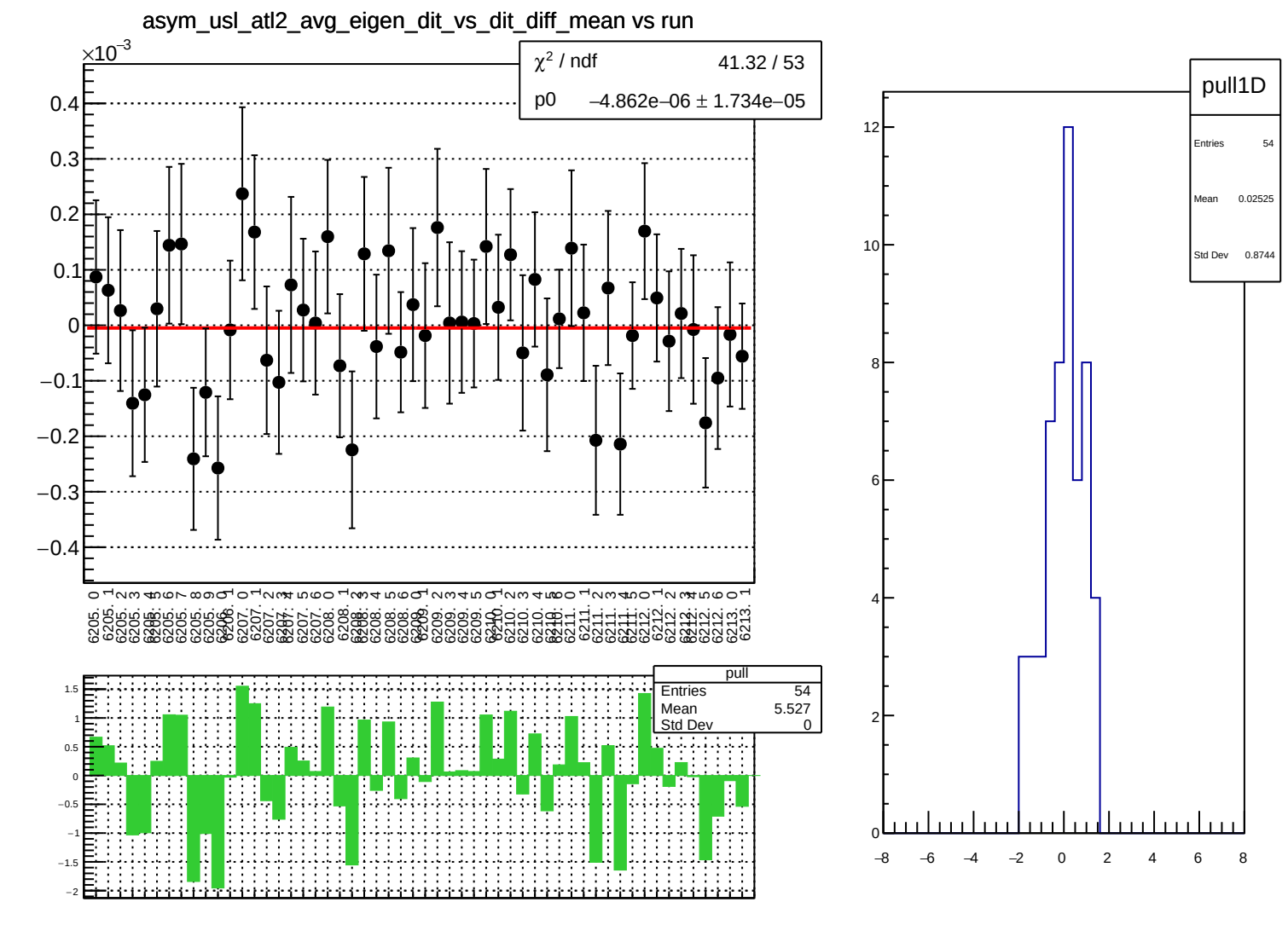

pull1D
Entries 54
Mean 0.08394
Std Dev 0.9898

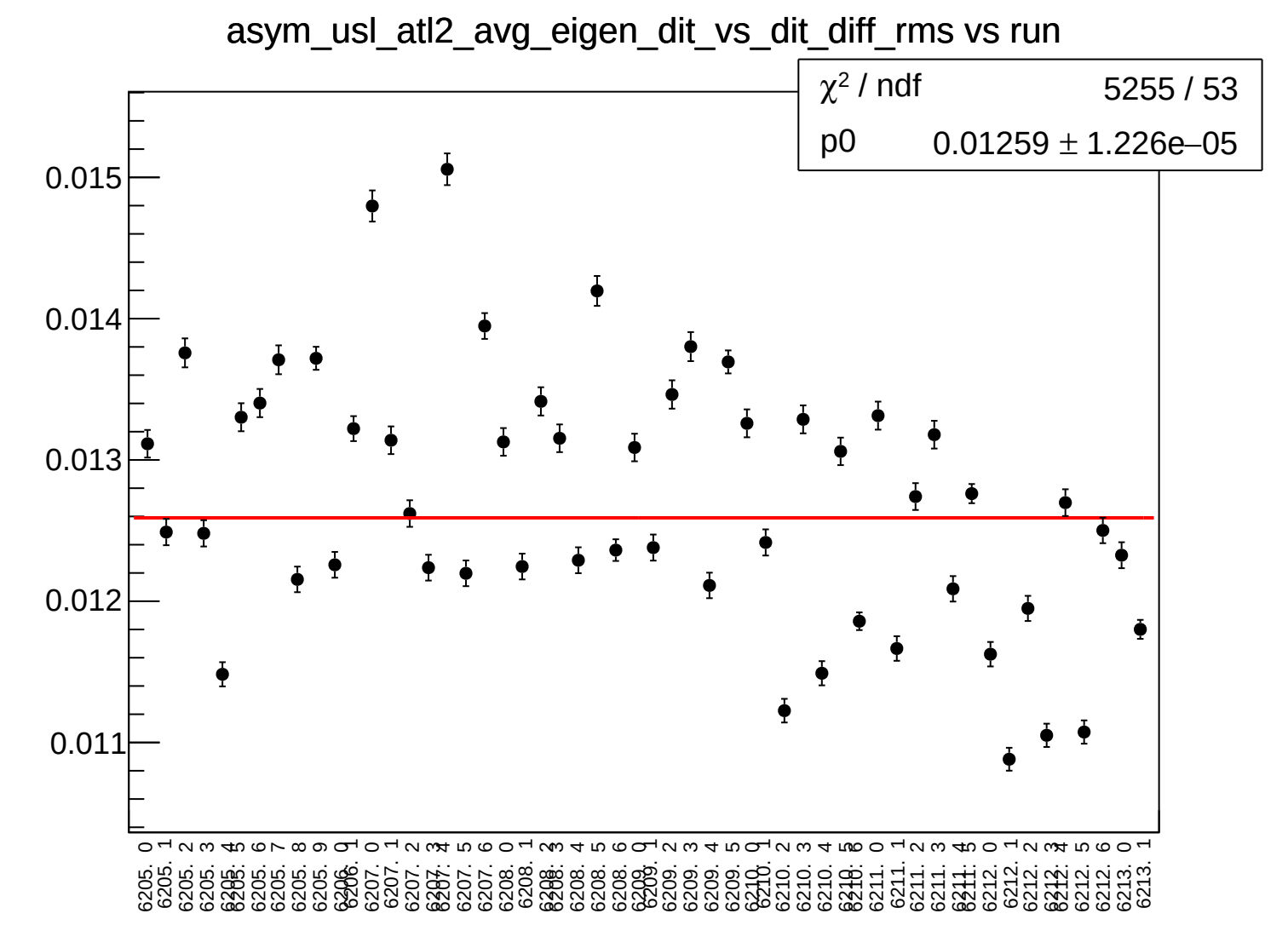

asym_usl_atl2_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.678e+05 / 53
p0 159.6 ± 0.1691
450
400
350
300
250
200
150
100
50
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

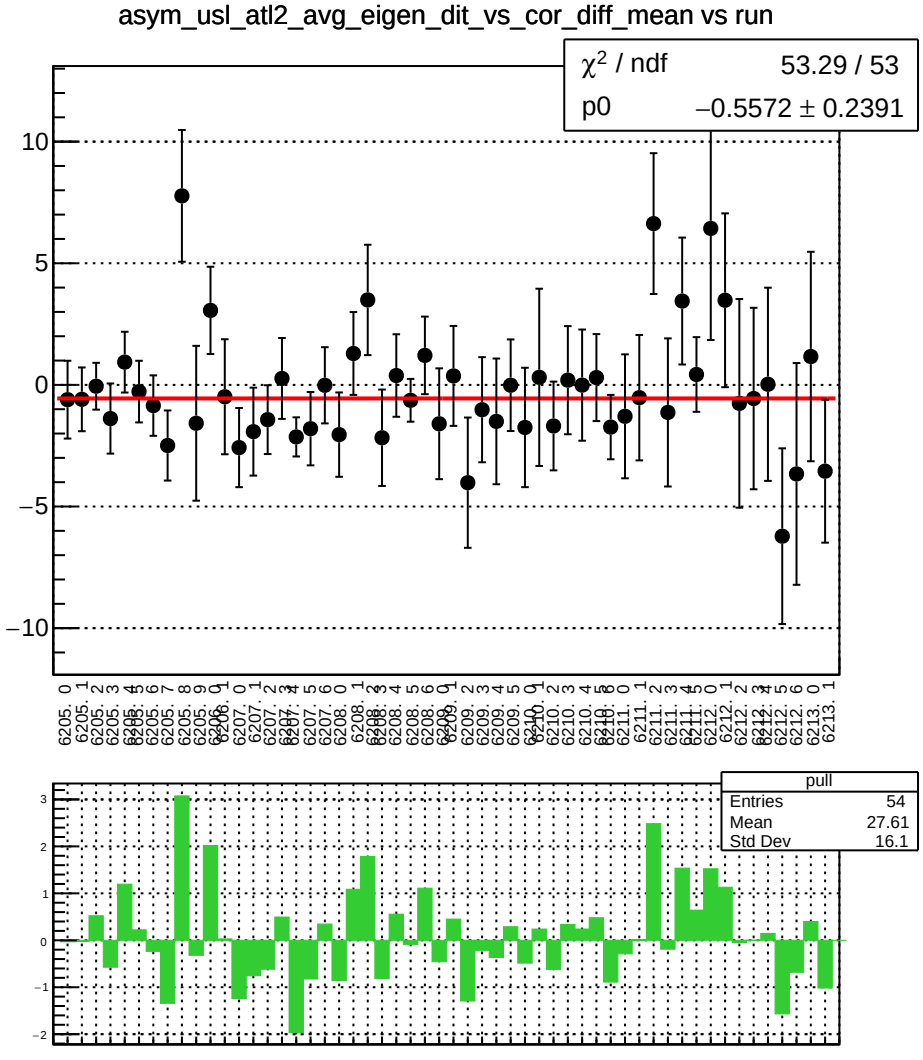

asym_usl_atl2_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 53.29 / 53
p0 −0.5573 ± 0.2391
pull
Entries 54
Mean 27.61
Std Dev 16.1

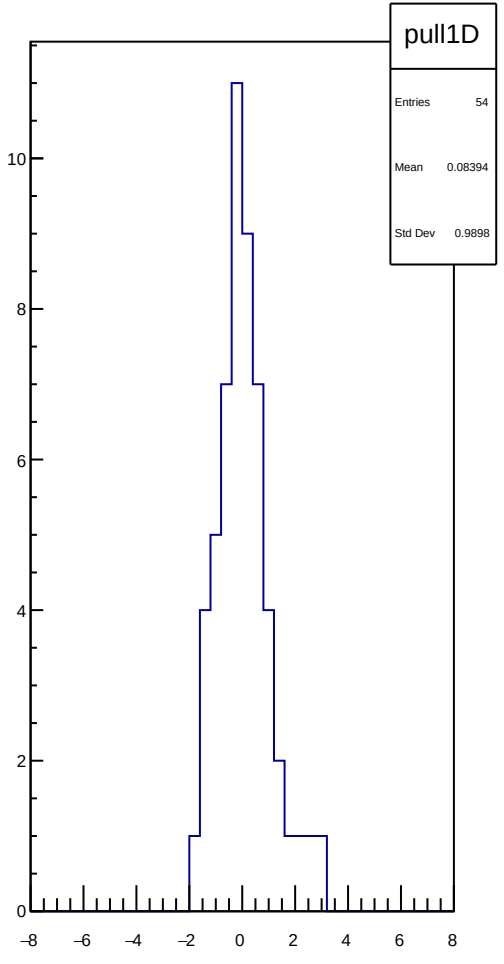

pull1D
Entries 54
Mean 0.08394
Std Dev 0.9898

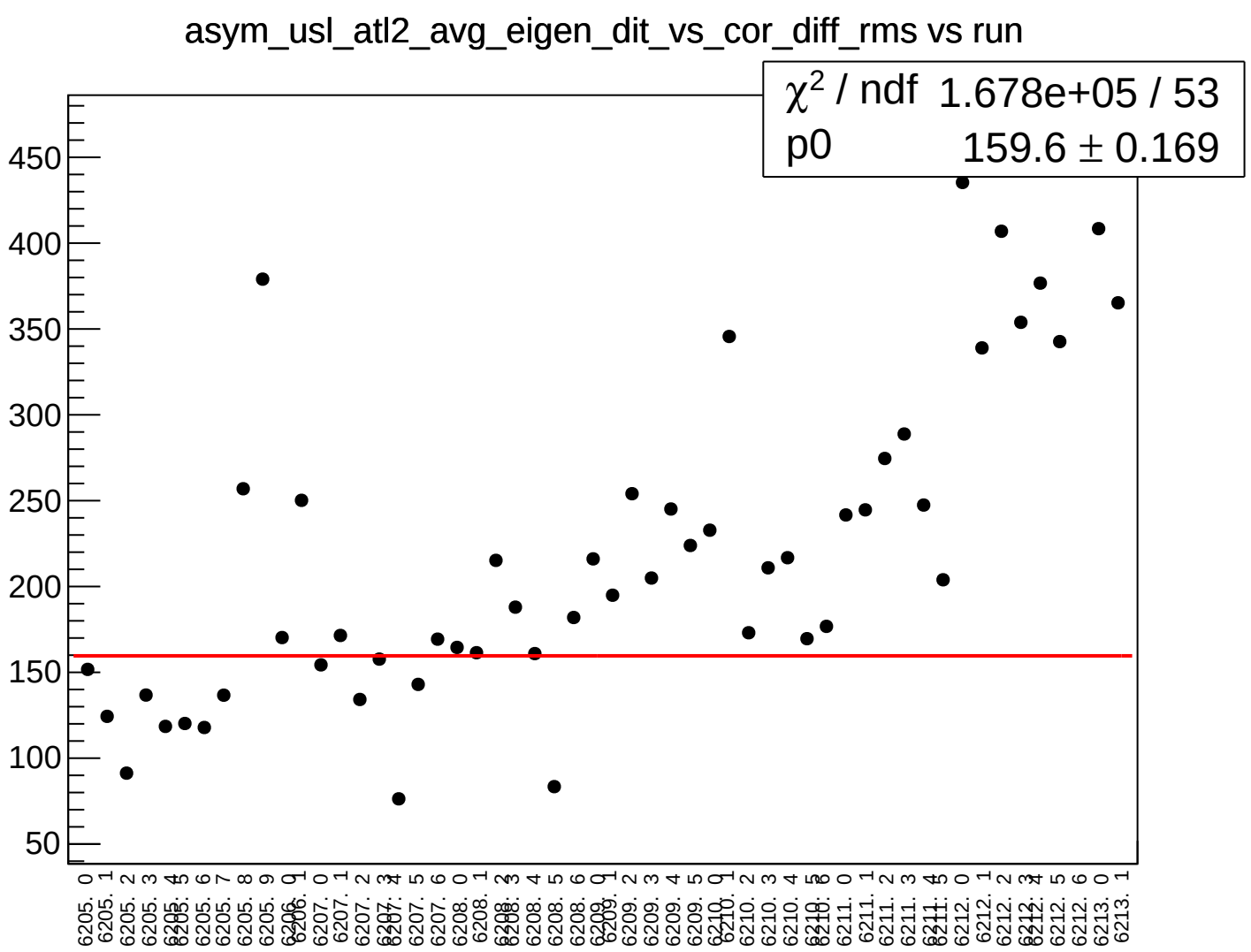

asym_usl_atl2_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.678e+05 / 53
p0 159.6 ± 0.1691
450
400
350
300
250
200
150
100
50
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

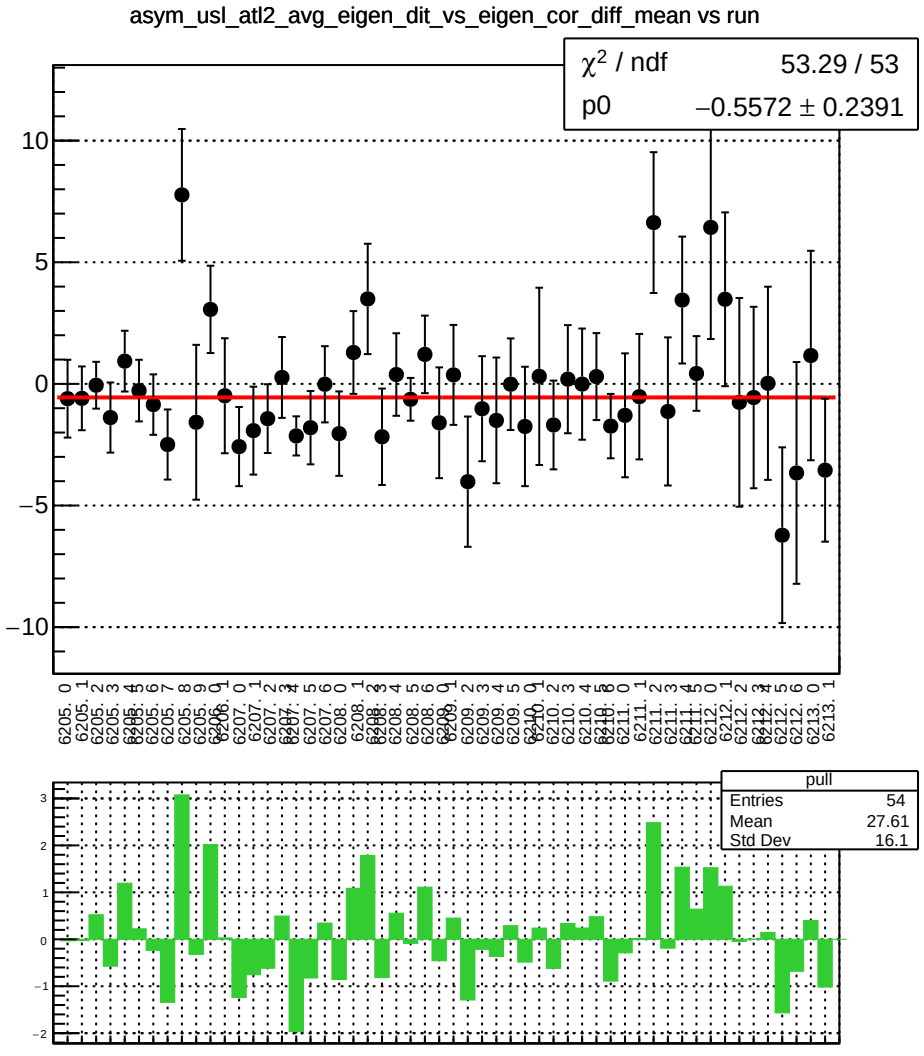

asym_usl_atl2_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 41.32 / 53
p0 −4.862e−06 ± 1.734e−05
pull
Entries 54
Mean 5.527
Std Dev 0
pull1D
Entries 54
Mean 0.02525
Std Dev 0.8744

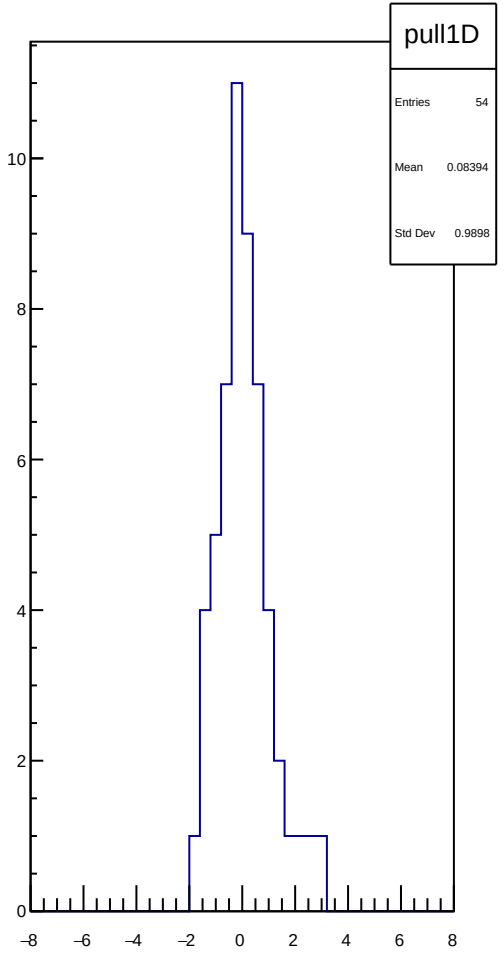

asym_usl_atl2_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5255 / 53
p0 0.01259 ± 1.226e–05
0.015
0.014
0.013
0.012
0.011
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

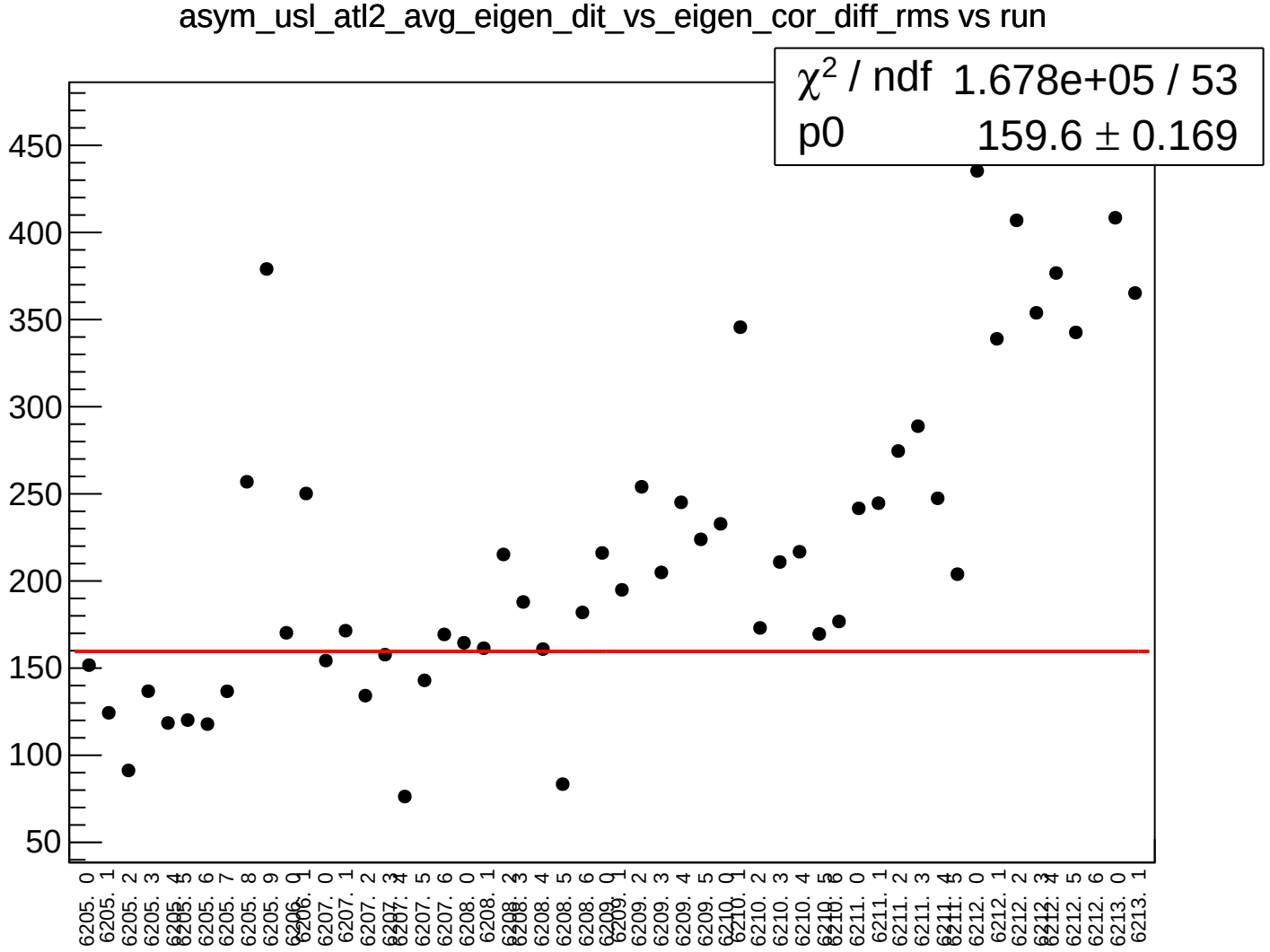

asym_usl_atl2_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 53.29 / 53
p0 −0.5572 ± 0.2391
pull
Entries 54
Mean 27.61
Std Dev 16.1

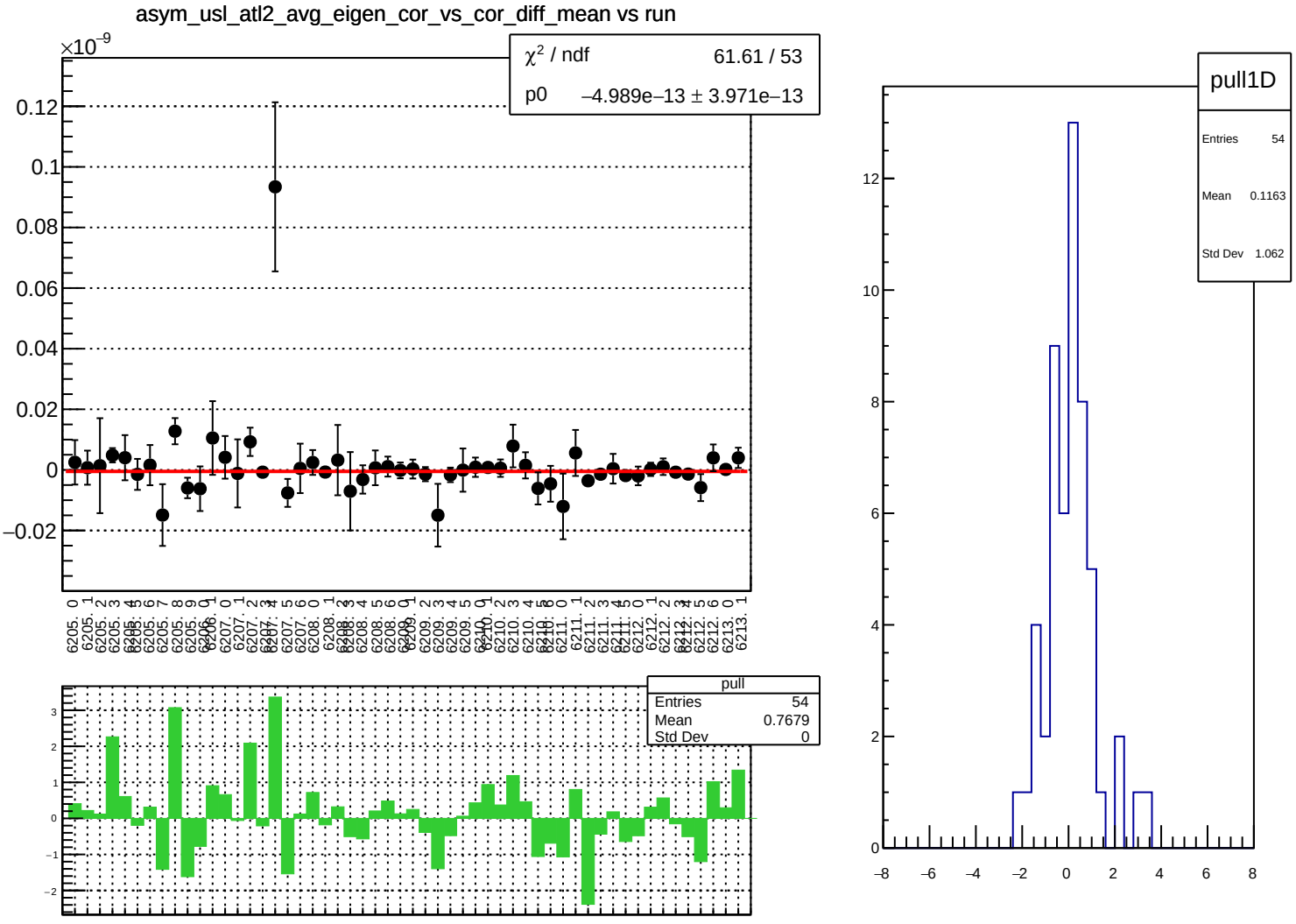

pull1D
Entries 54
Mean 0.08394
Std Dev 0.9898

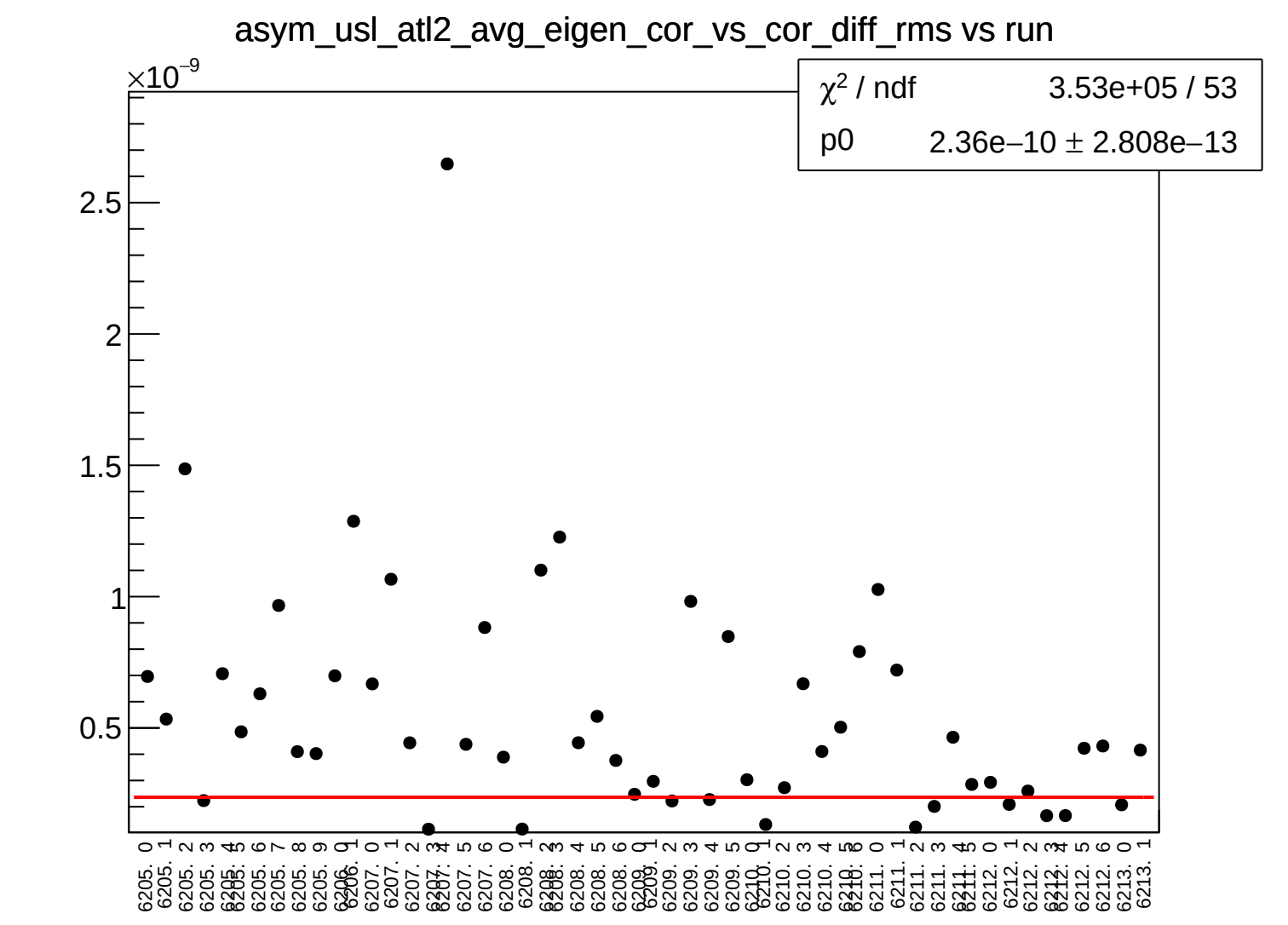

asym_usl_atl2_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.678e+05 / 53
p0 159.6 ± 0.169
450
400
350
300
250
200
150
100
50
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

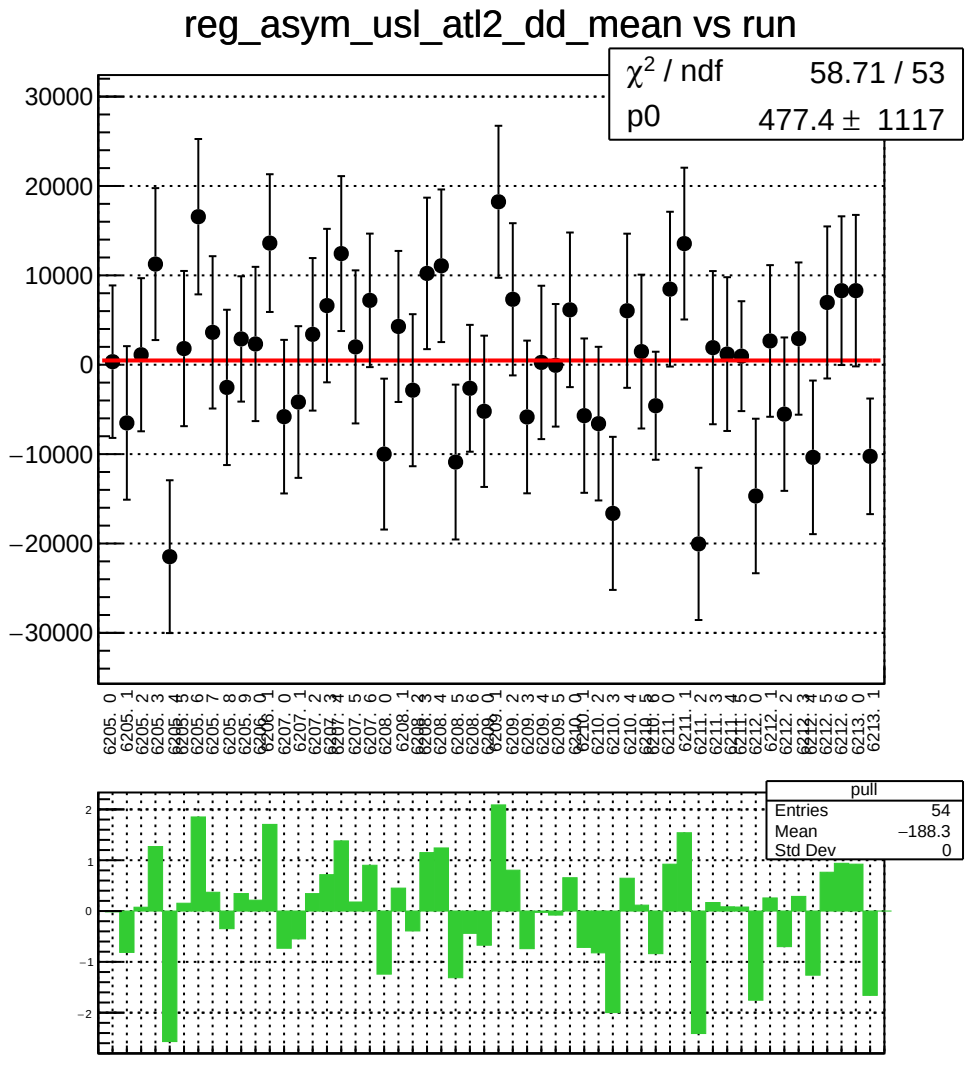

asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 53.29 / 53
p0 −0.5572 ± 0.2391
pull
Entries 54
Mean 27.61
Std Dev 16.1

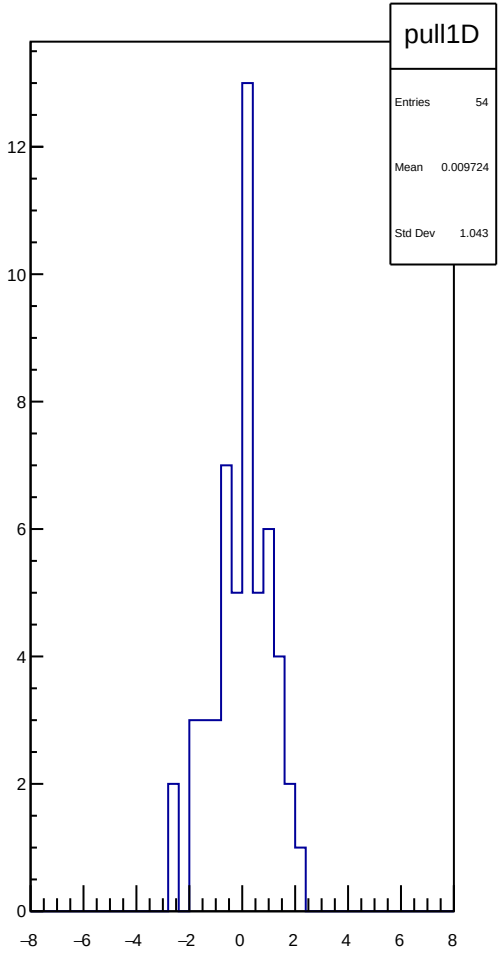

pull1D
Entries 54
Mean 0.08394
Std Dev 0.9898

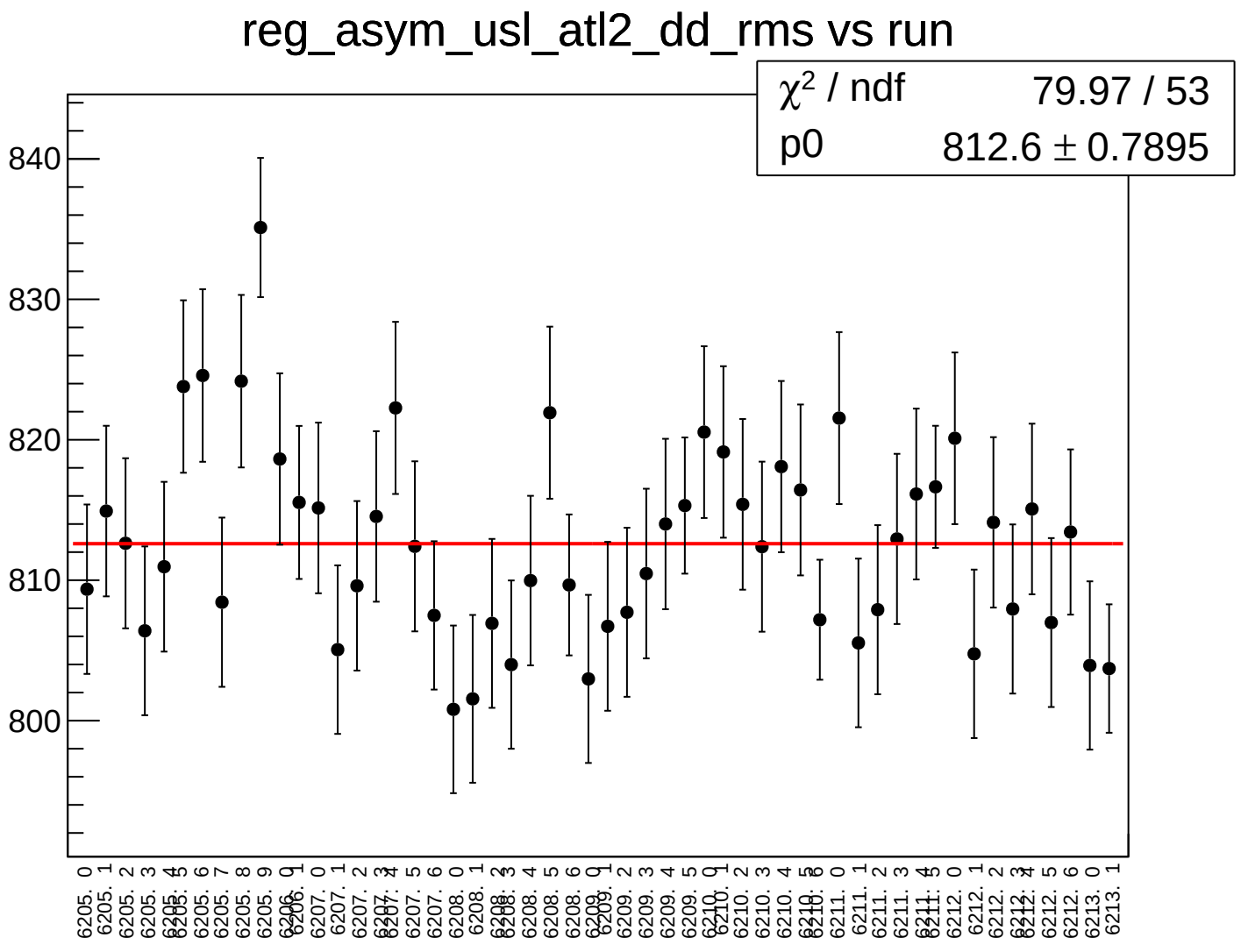

asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.678e+05 / 53
p0 159.6 ± 0.169
450
400
350
300
250
200
150
100
50
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

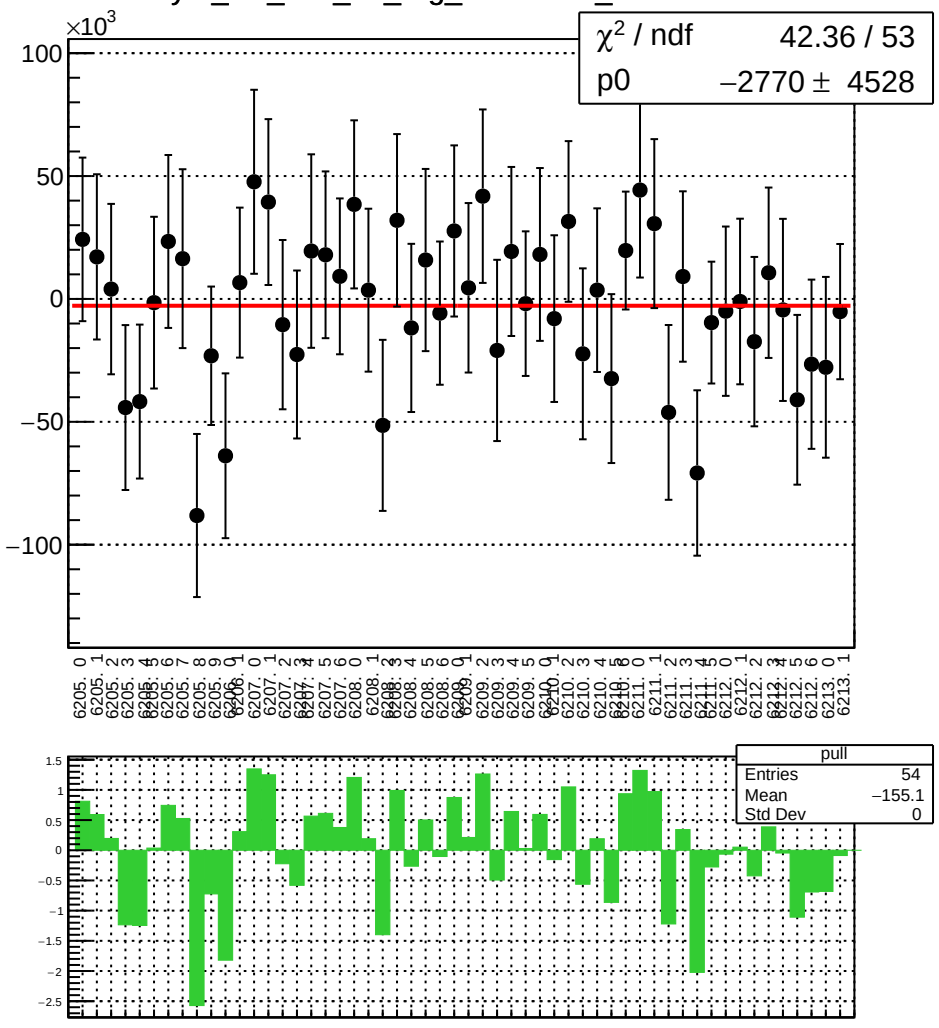

asym_usl_atl2_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻⁹
χ² / ndf 61.61 / 53
p0 −4.989e−13 ± 3.971e−13
pull
Entries 54
Mean 0.7679
Std Dev 0
pull1D
Entries 54
Mean 0.1163
Std Dev 1.062

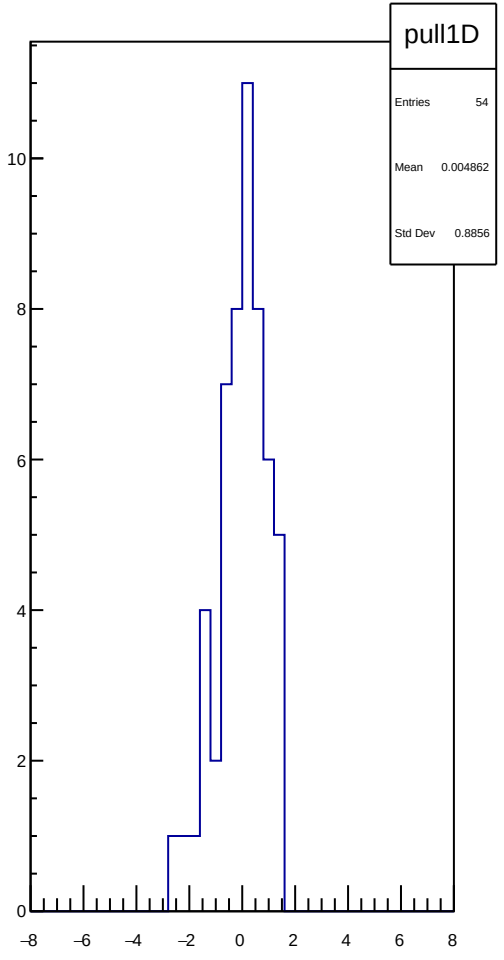

asym_usl_atl2_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.53e+05 / 53
p0 2.36e−10 ± 2.808e−13
2.5
2
1.5
1
0.5
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

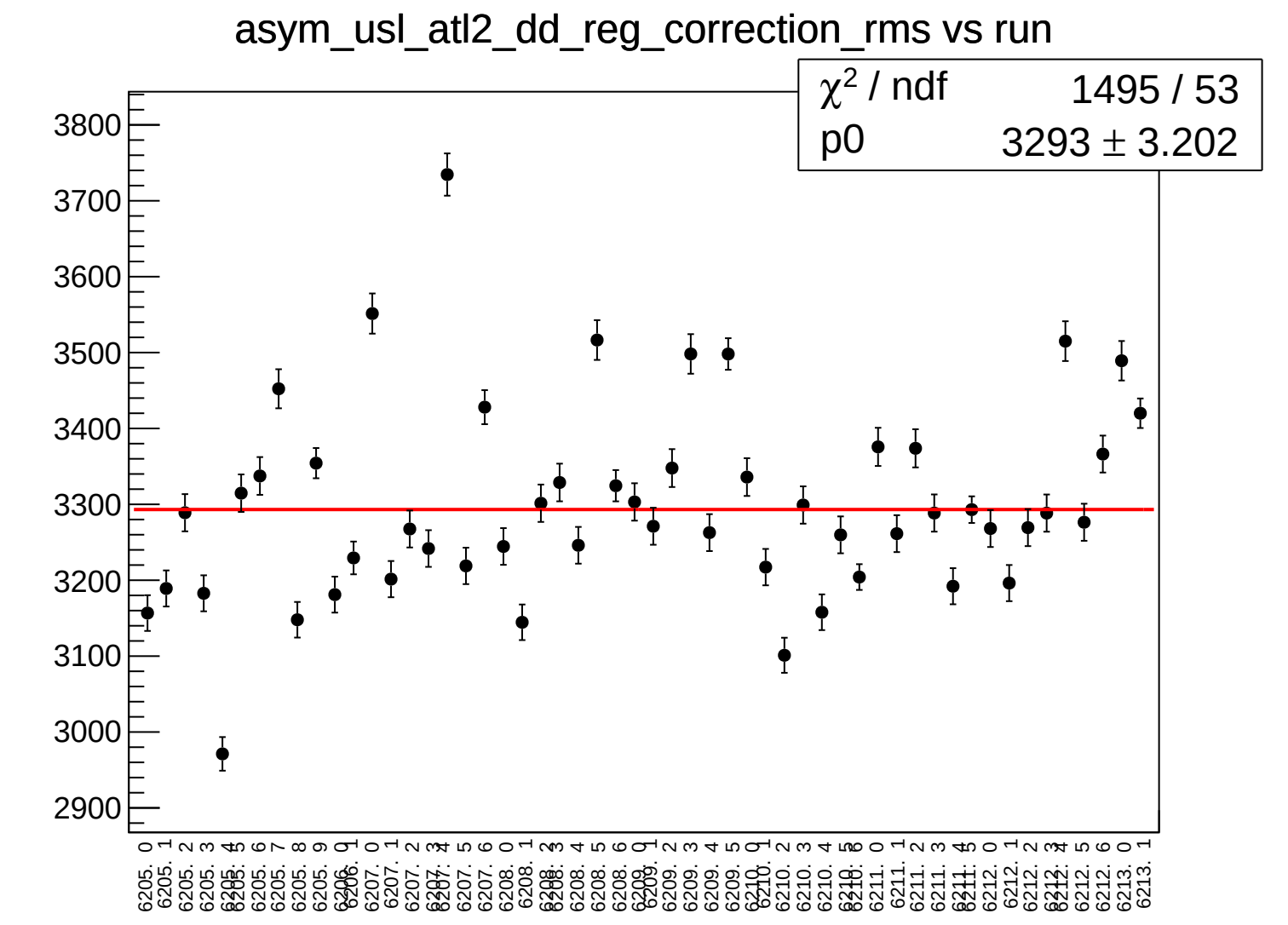

reg_asym_usl_atl2_dd_mean vs run
χ² / ndf 58.71 / 53
p0 477.4 ± 1117
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 54
Mean −188.3
Std Dev 0
2
1
0
−1
−2

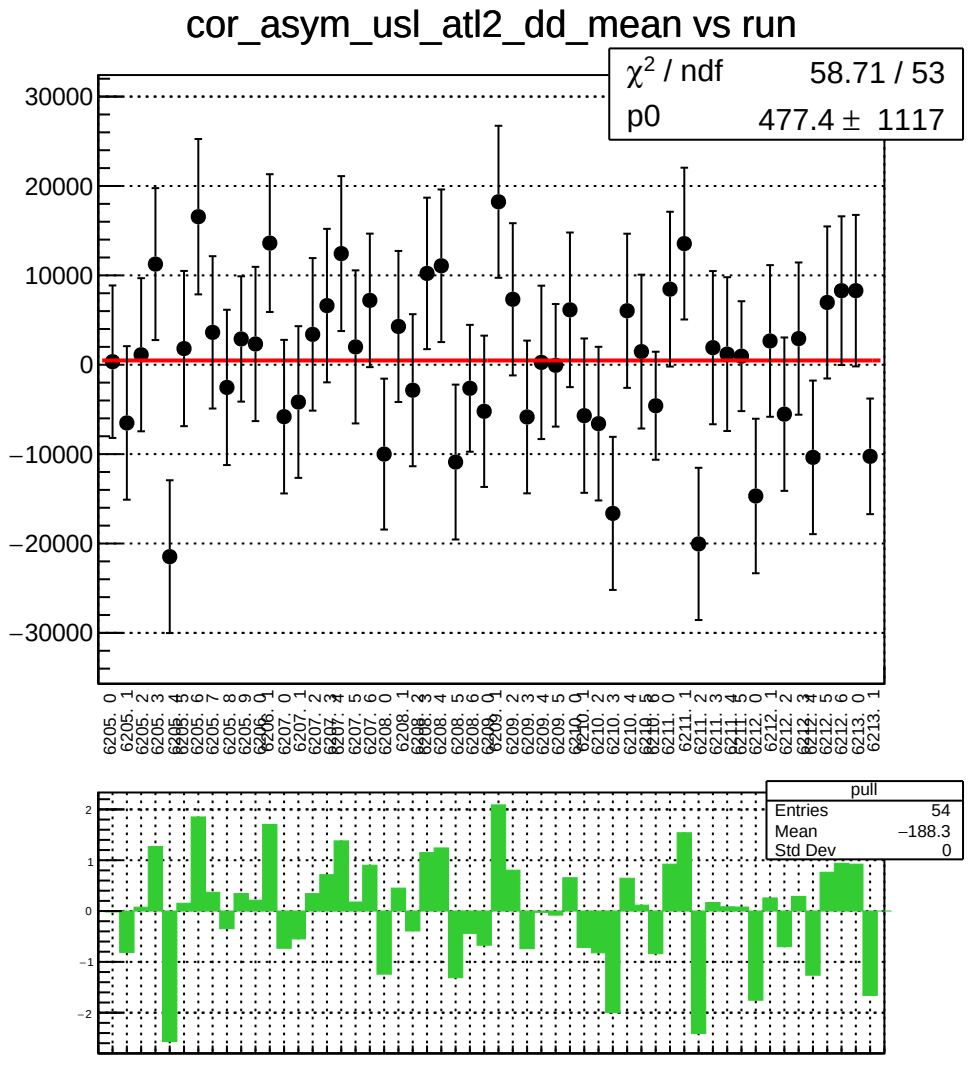

pull1D
Entries 54
Mean 0.009724
Std Dev 1.043
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

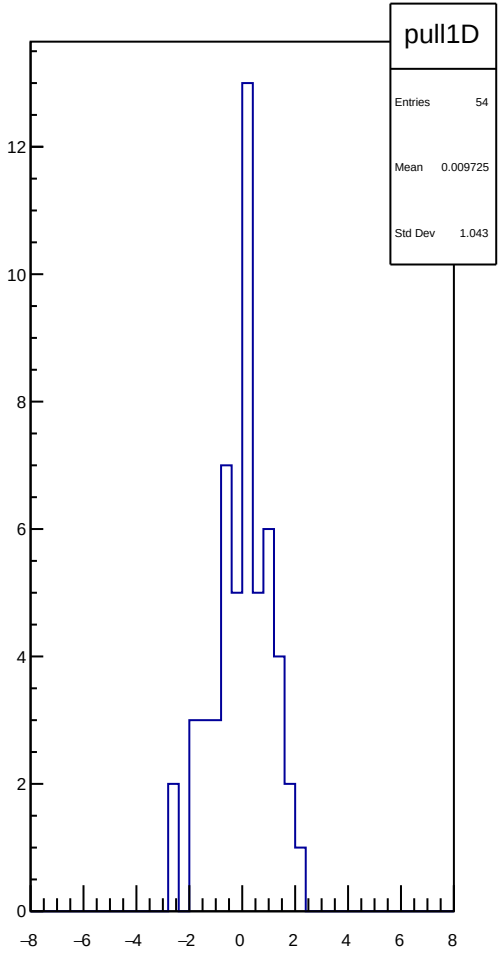

reg_asym_usl_atl2_dd_rms vs run
χ² / ndf 79.97 / 53
p0 812.6 ± 0.7895
840
830
820
810
800
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

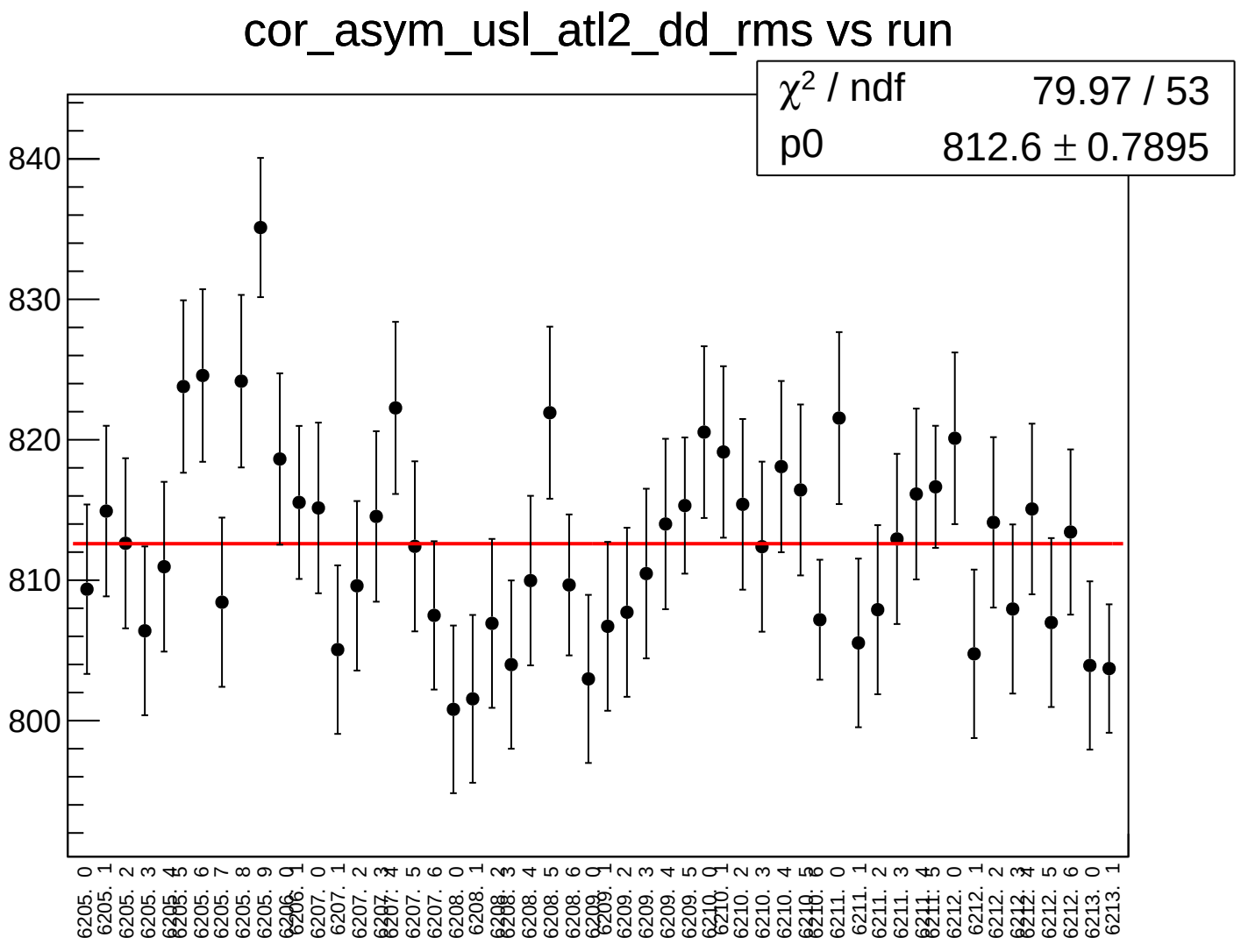

asym_usl_atl2_dd_reg_correction_mean vs run
×10^3
χ² / ndf 42.36 / 53
p0 −2770 ± 4528
pull
Entries 54
Mean −155.1
Std Dev 0

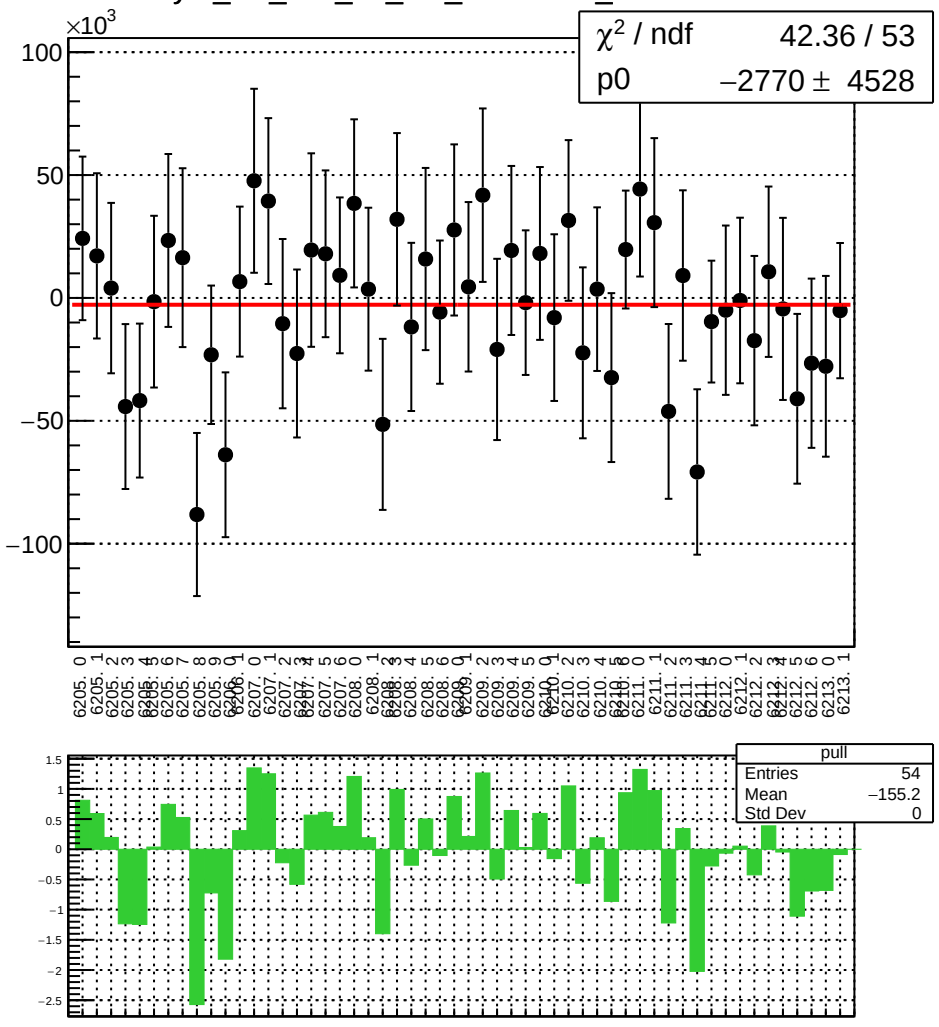

pull1D
Entries 54
Mean 0.004862
Std Dev 0.8856

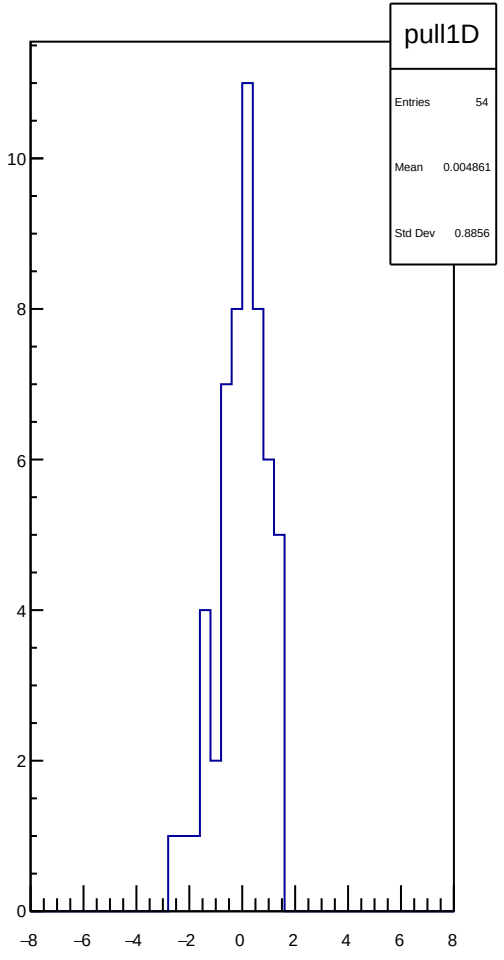

asym_usl_atl2_dd_reg_correction_rms vs run
χ² / ndf 1495 / 53
p0 3293 ± 3.202
3800
3700
3600
3500
3400
3300
3200
3100
3000
2900
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 1
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

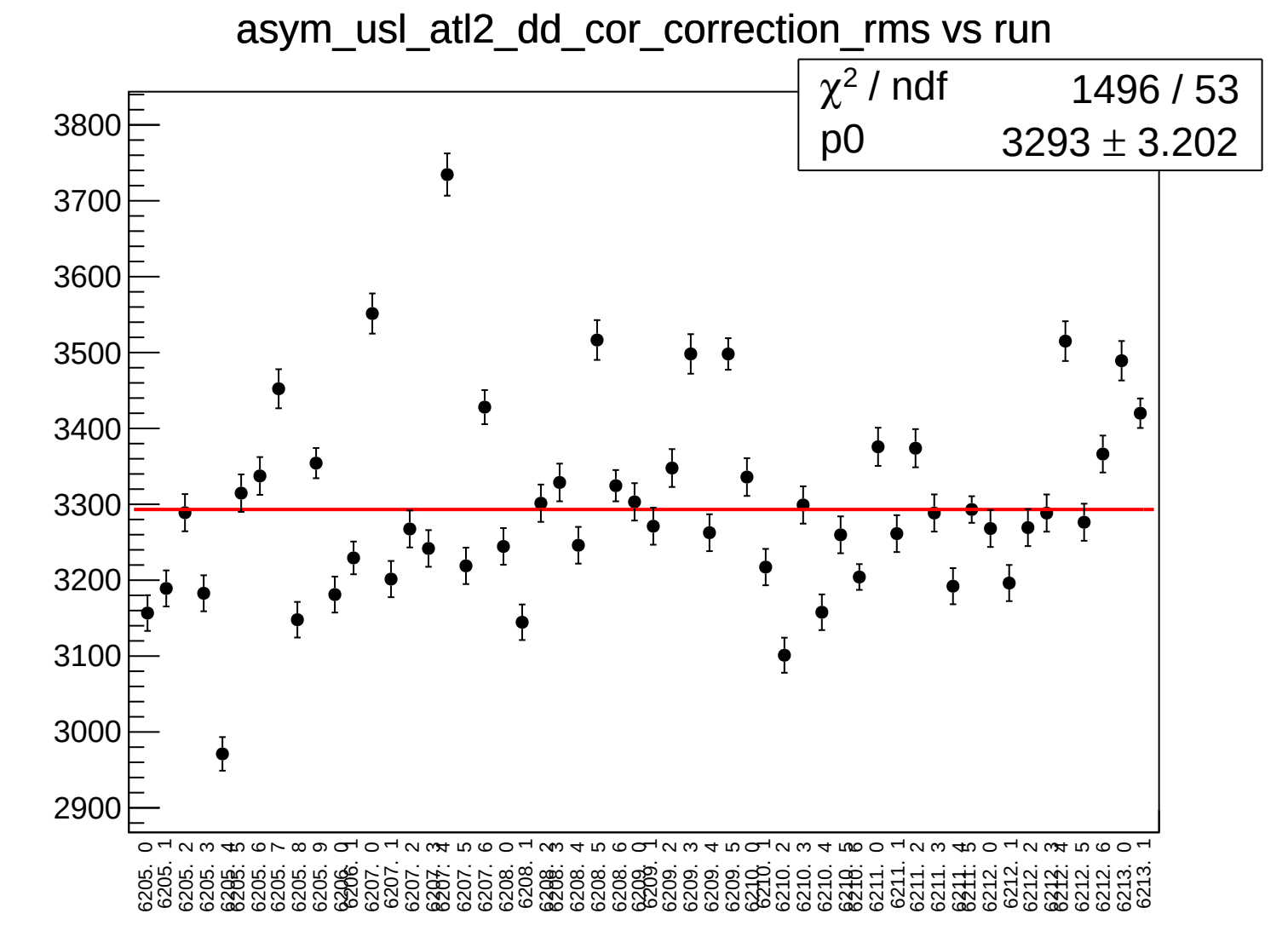

cor_asym_usl_atl2_dd_mean vs run
χ² / ndf 58.71 / 53
p0 477.4 ± 1117
pull
Entries 54
Mean −188.3
Std Dev 0

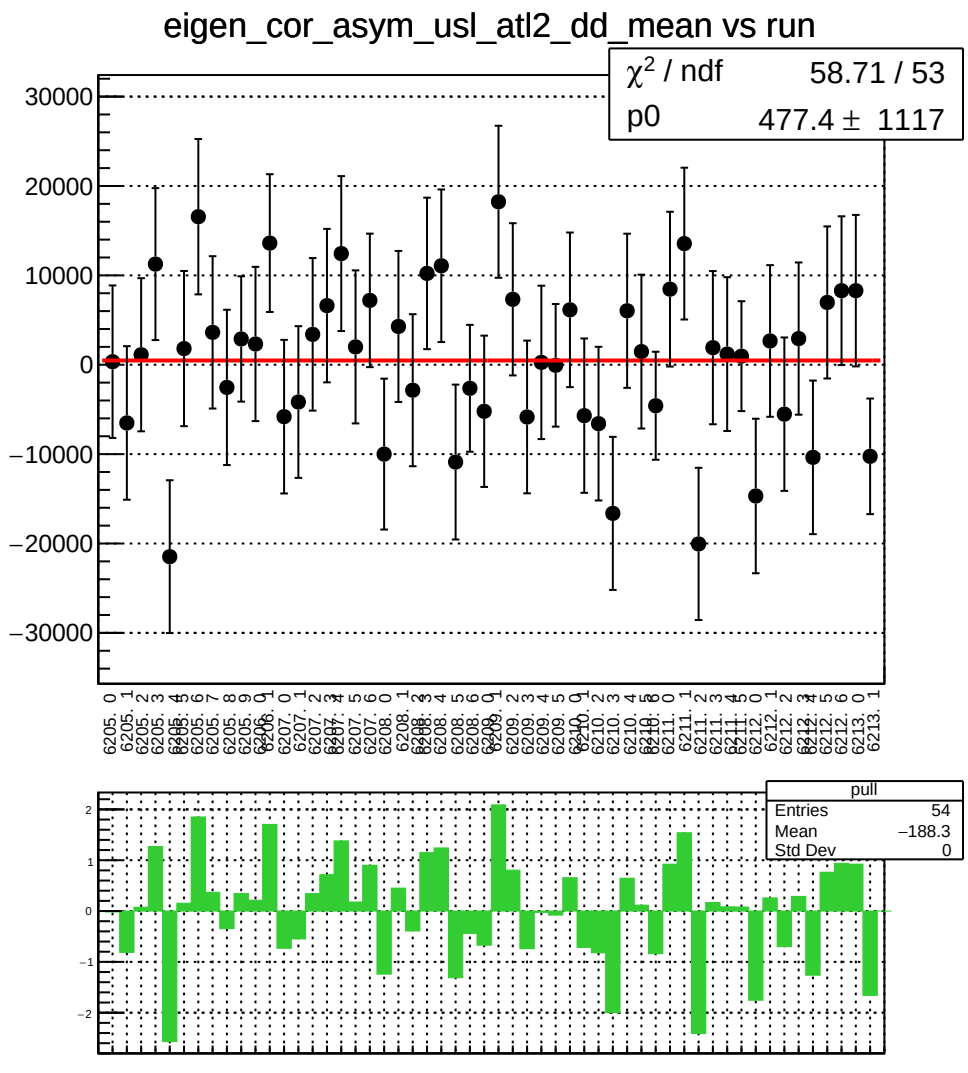

pull1D
Entries 54
Mean 0.009725
Std Dev 1.043

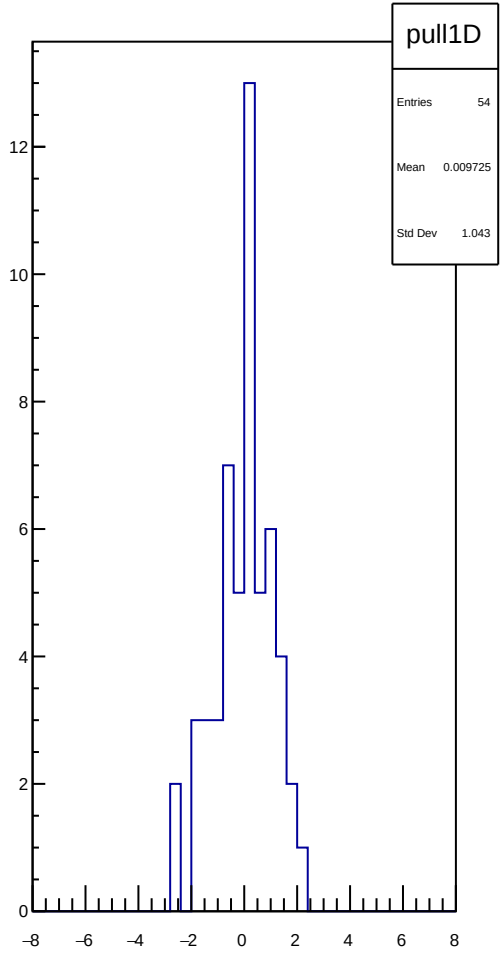

cor_asym_usl_atl2_dd_rms vs run
χ² / ndf 79.97 / 53
p0 812.6 ± 0.7895
840
830
820
810
800
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

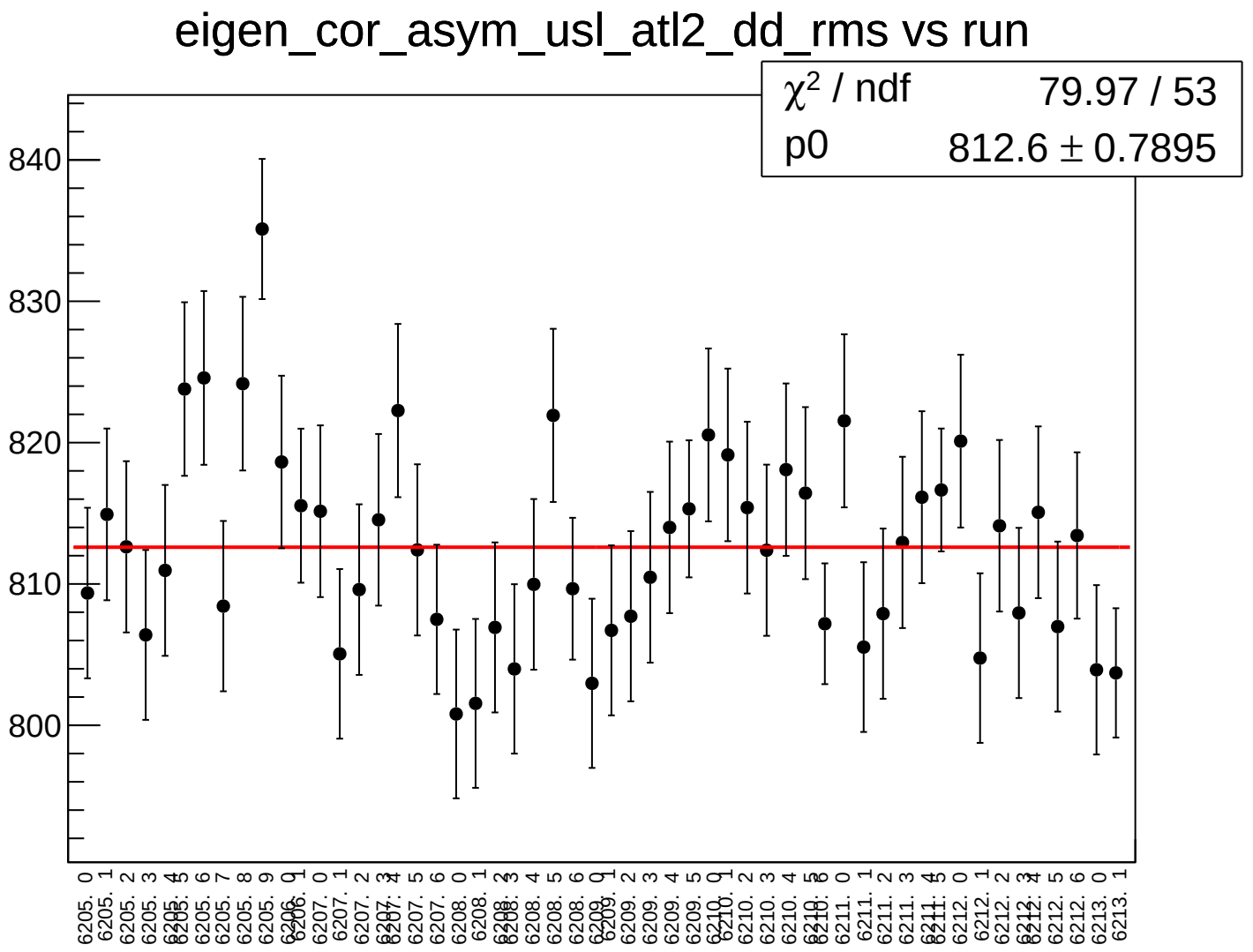

asym_usl_atl2_dd_cor_correction_mean vs run
×10^3
χ² / ndf 42.36 / 53
p0 −2770 ± 4528
pull
Entries 54
Mean −155.2
Std Dev 0

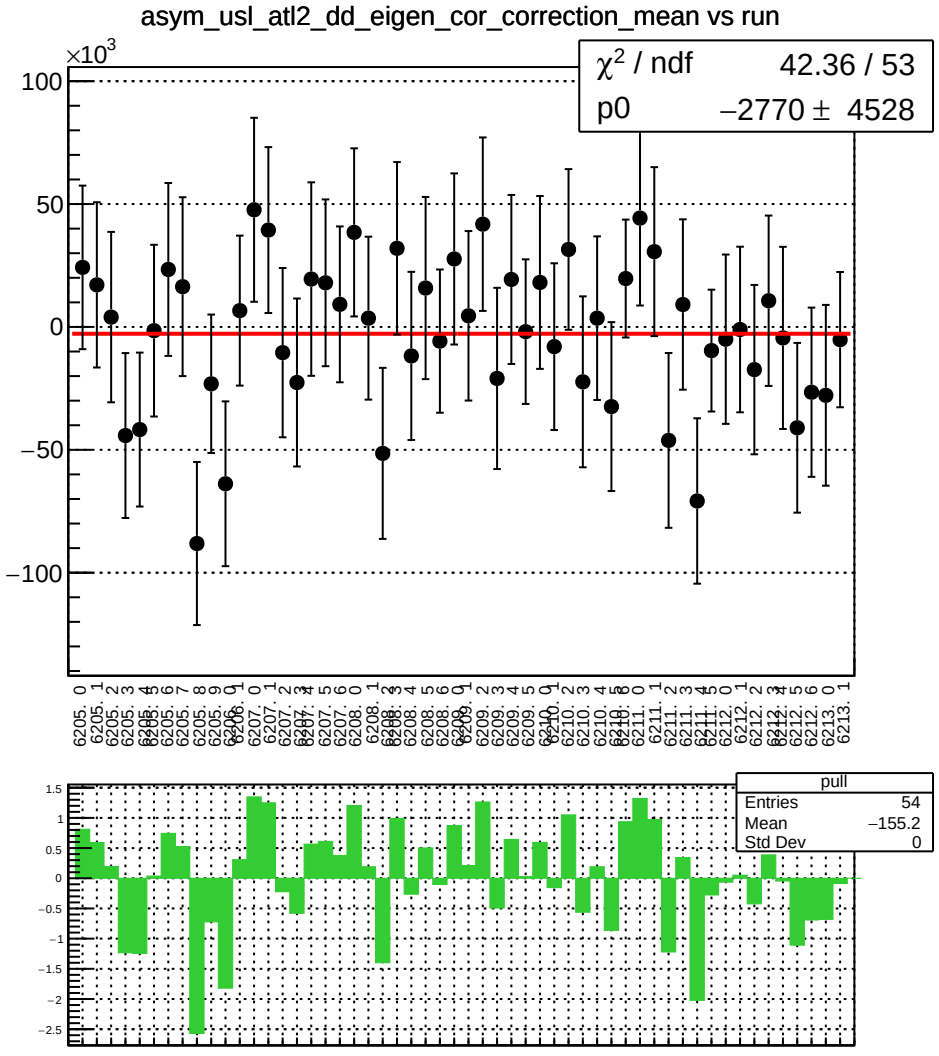

pull1D
Entries 54
Mean 0.004861
Std Dev 0.8856

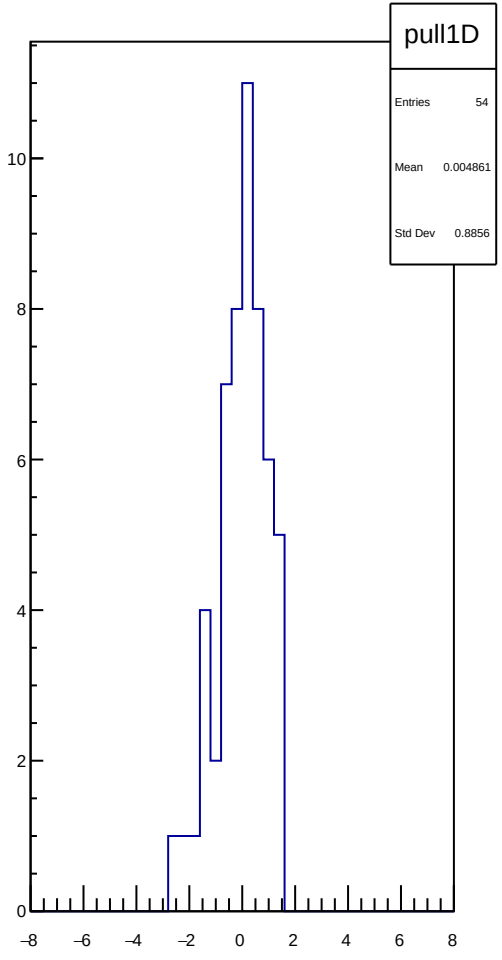

asym_usl_atl2_dd_cor_correction_rms vs run
χ² / ndf 1496 / 53
p0 3293 ± 3.202
3800
3700
3600
3500
3400
3300
3200
3100
3000
2900
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 1
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

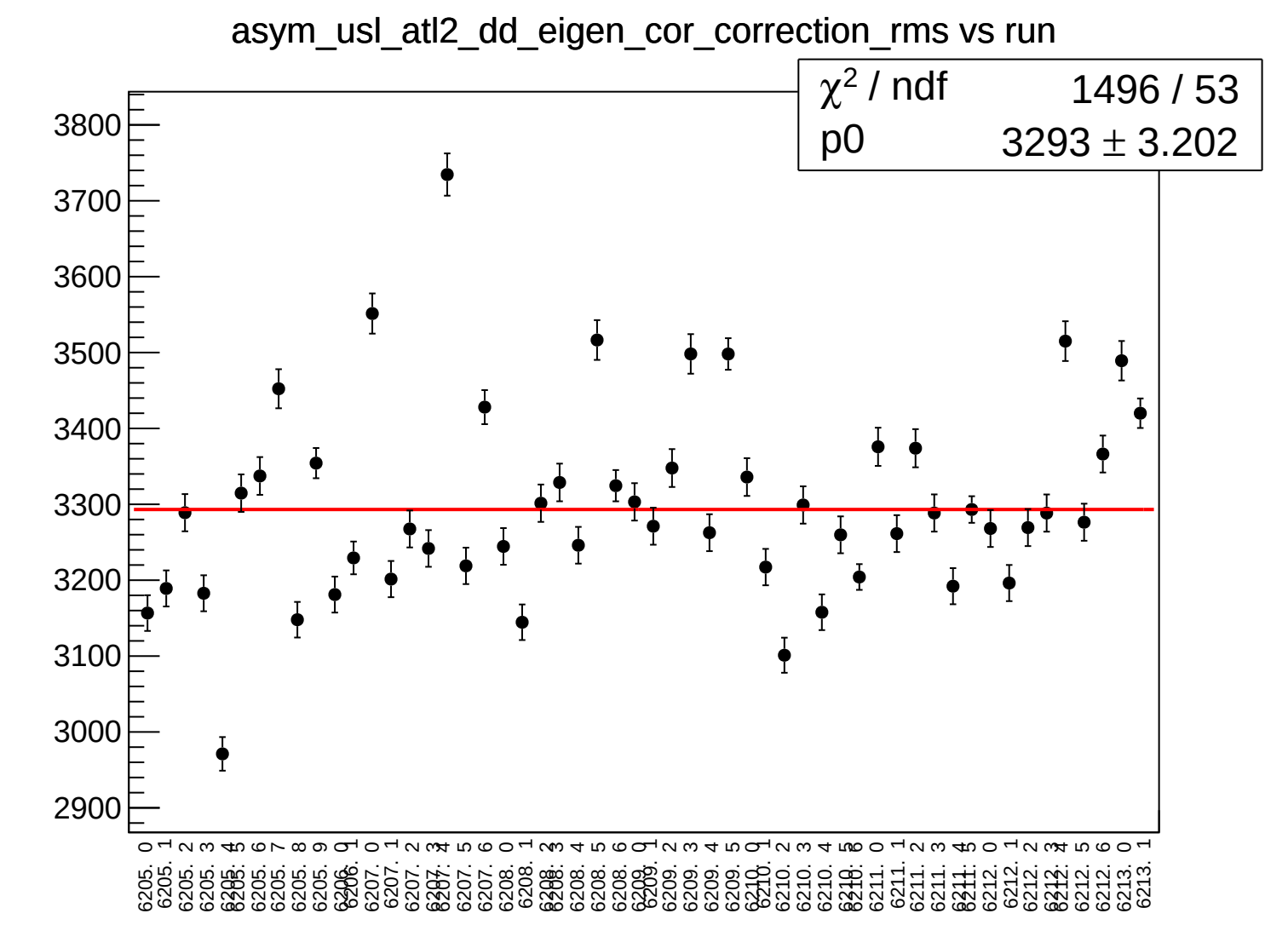

eigen_cor_asym_usl_atl2_dd_mean vs run
χ² / ndf 58.71 / 53
p0 477.4 ± 1117
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 54
Mean −188.3
Std Dev 0
2
1
0
−1
−2

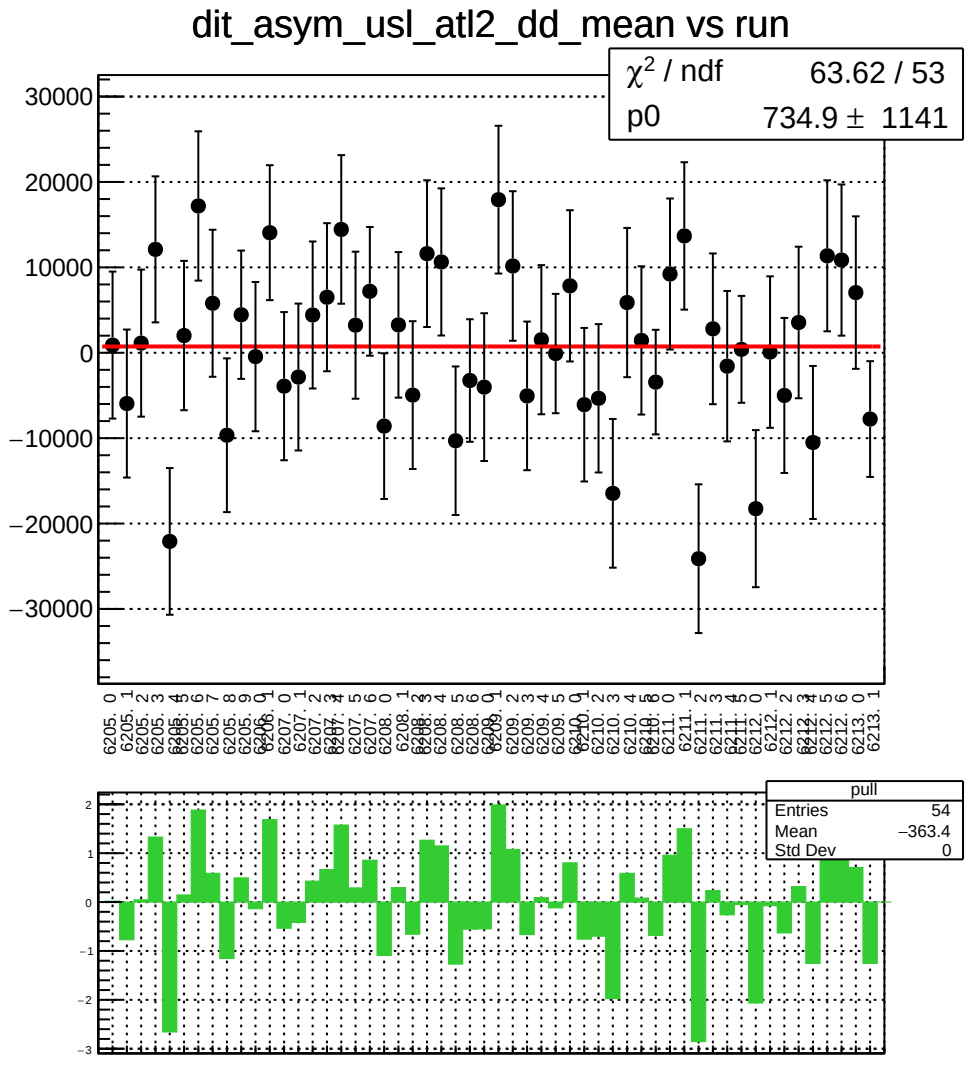

pull1D
Entries 54
Mean 0.009725
Std Dev 1.043
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

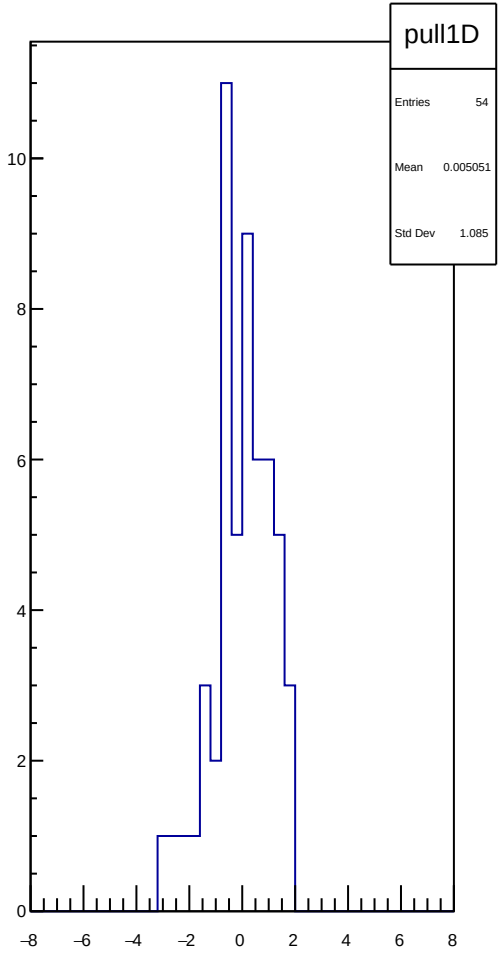

eigen_cor_asym_usl_atl2_dd_rms vs run
χ² / ndf 79.97 / 53
p0 812.6 ± 0.7895
840
830
820
810
800
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

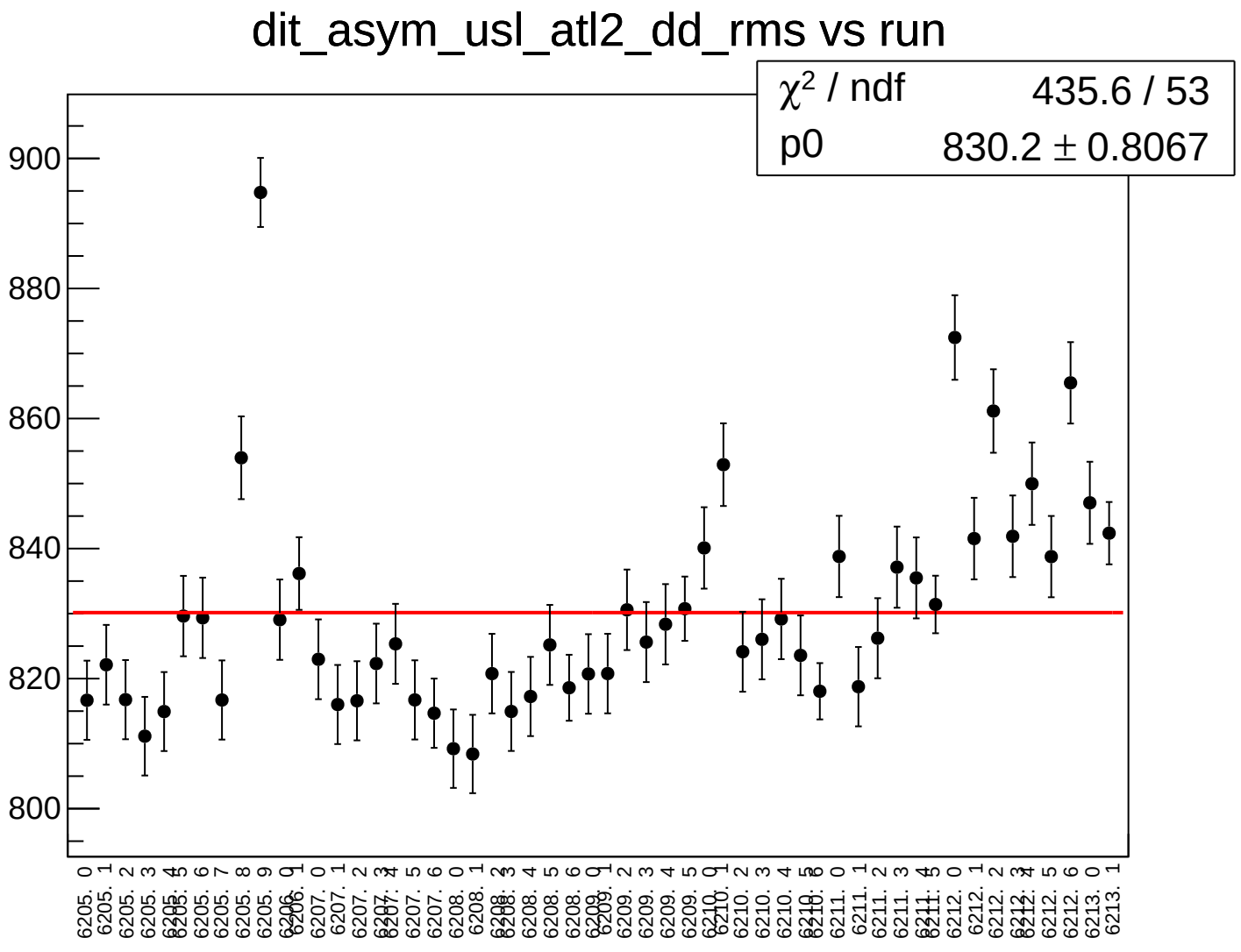

asym_usl_atl2_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 42.36 / 53
p0 −2770 ± 4528
pull
Entries 54
Mean −155.2
Std Dev 0

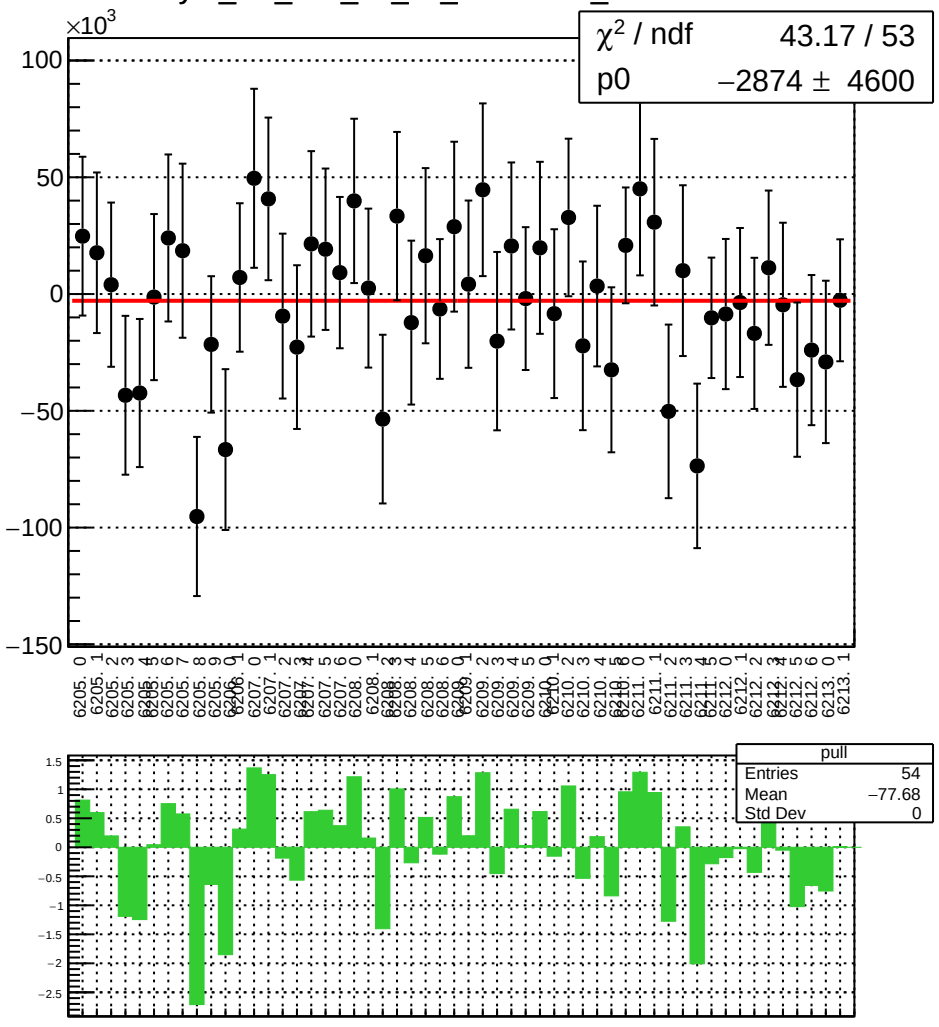

pull1D
Entries 54
Mean 0.004861
Std Dev 0.8856

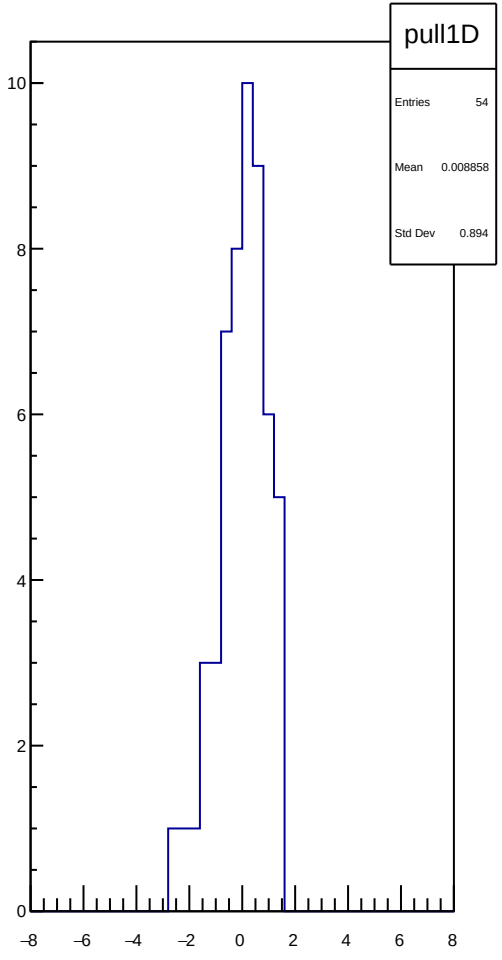

asym_usl_atl2_dd_eigen_cor_correction_rms vs run
χ² / ndf 1496 / 53
p0 3293 ± 3.202
3800
3700
3600
3500
3400
3300
3200
3100
3000
2900
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

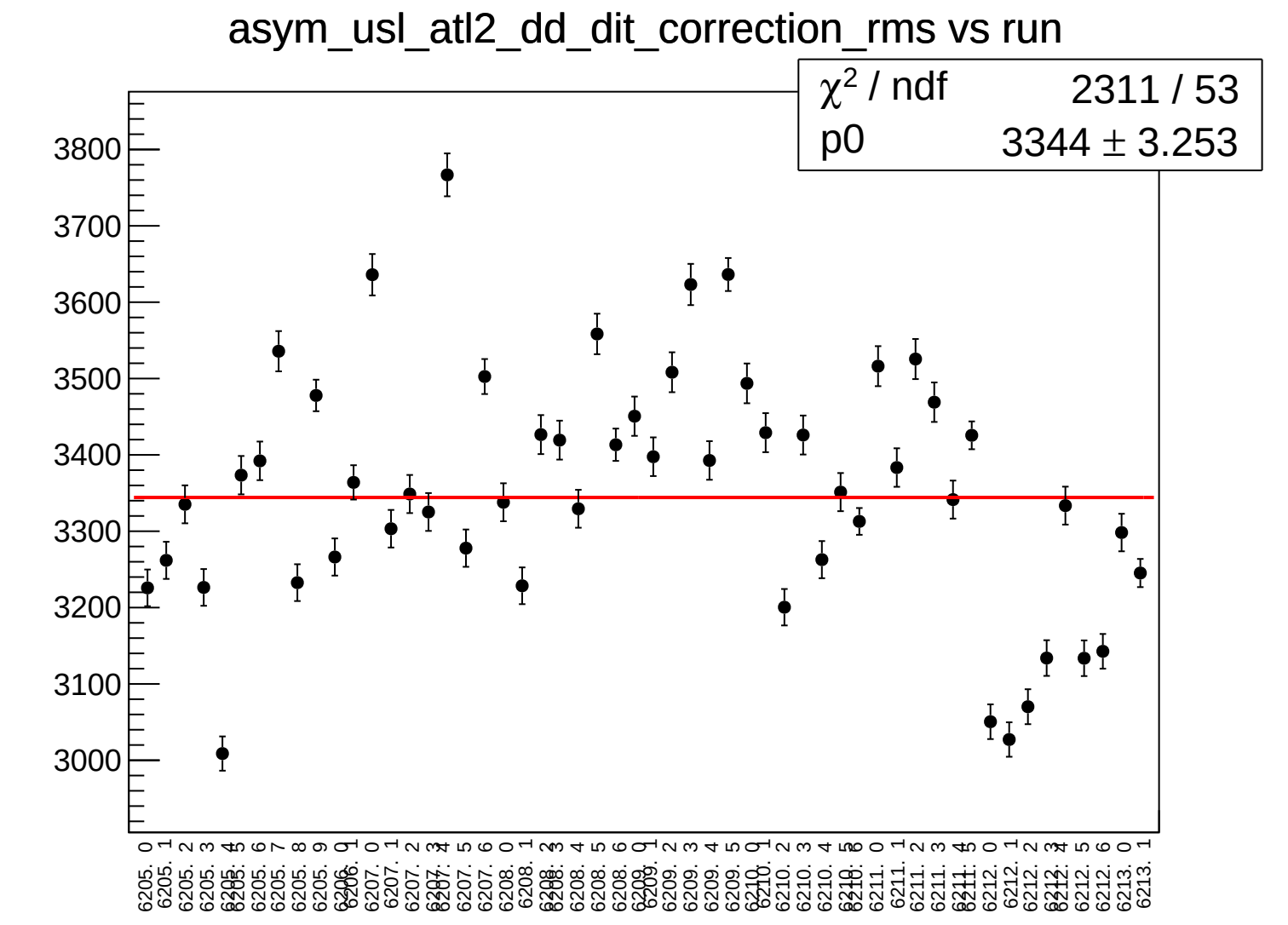

dit_asym_usl_atl2_dd_mean vs run
χ² / ndf 63.62 / 53
p0 734.9 ± 1141
pull
Entries 54
Mean −363.4
Std Dev 0

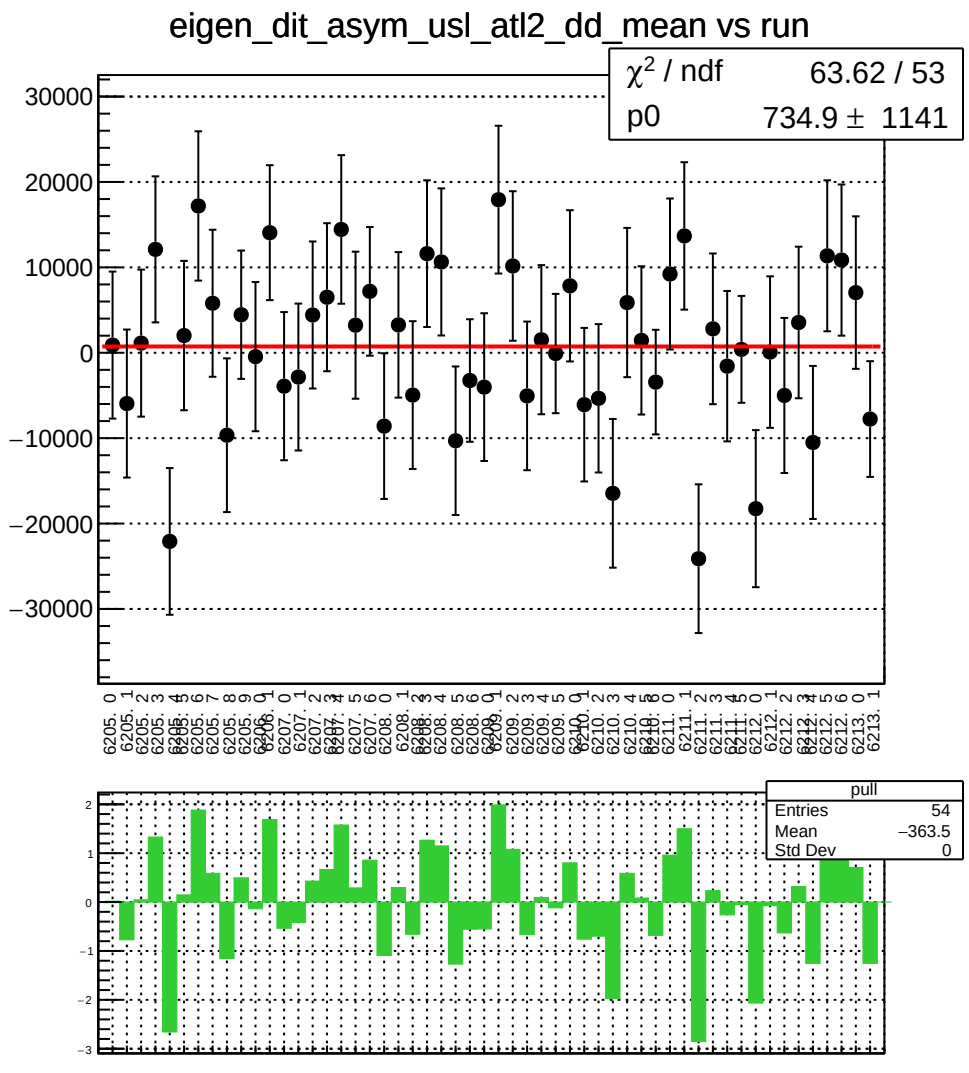

pull1D
Entries 54
Mean 0.005051
Std Dev 1.085

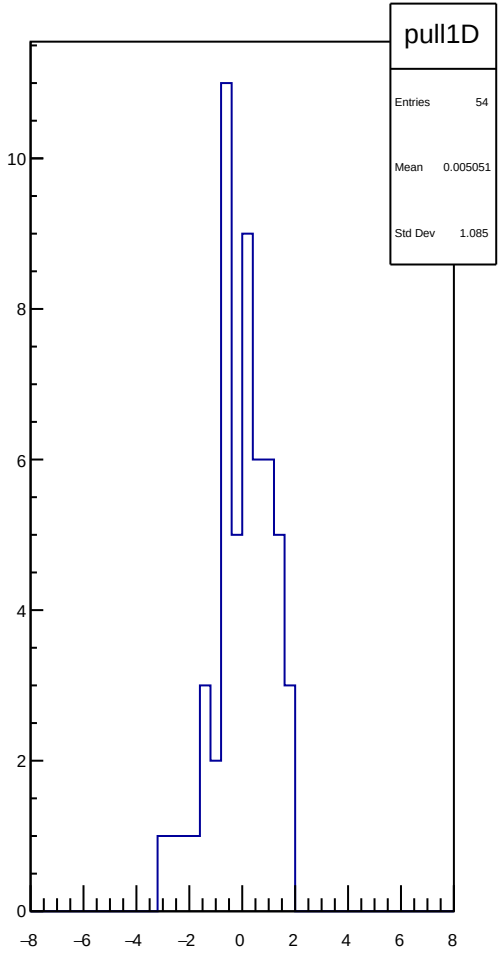

dit_asym_usl_atl2_dd_rms vs run
χ² / ndf 435.6 / 53
p0 830.2 ± 0.8067
900
880
860
840
820
800
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

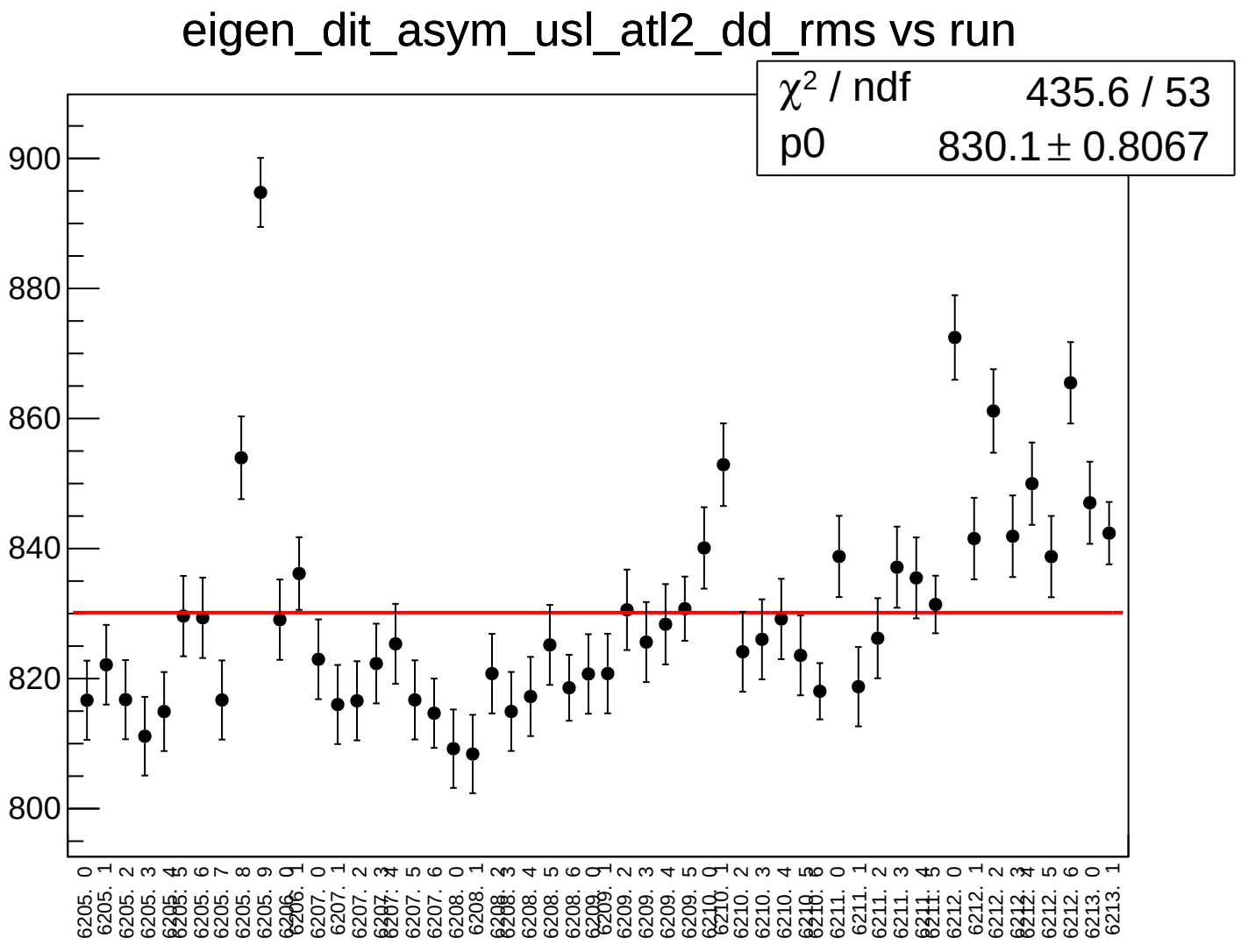

asym_usl_atl2_dd_dit_correction_mean vs run
×10^3
χ² / ndf 43.17 / 53
p0 −2874 ± 4600
100
50
0
−50
−100
−150
pull
Entries 54
Mean −77.68
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

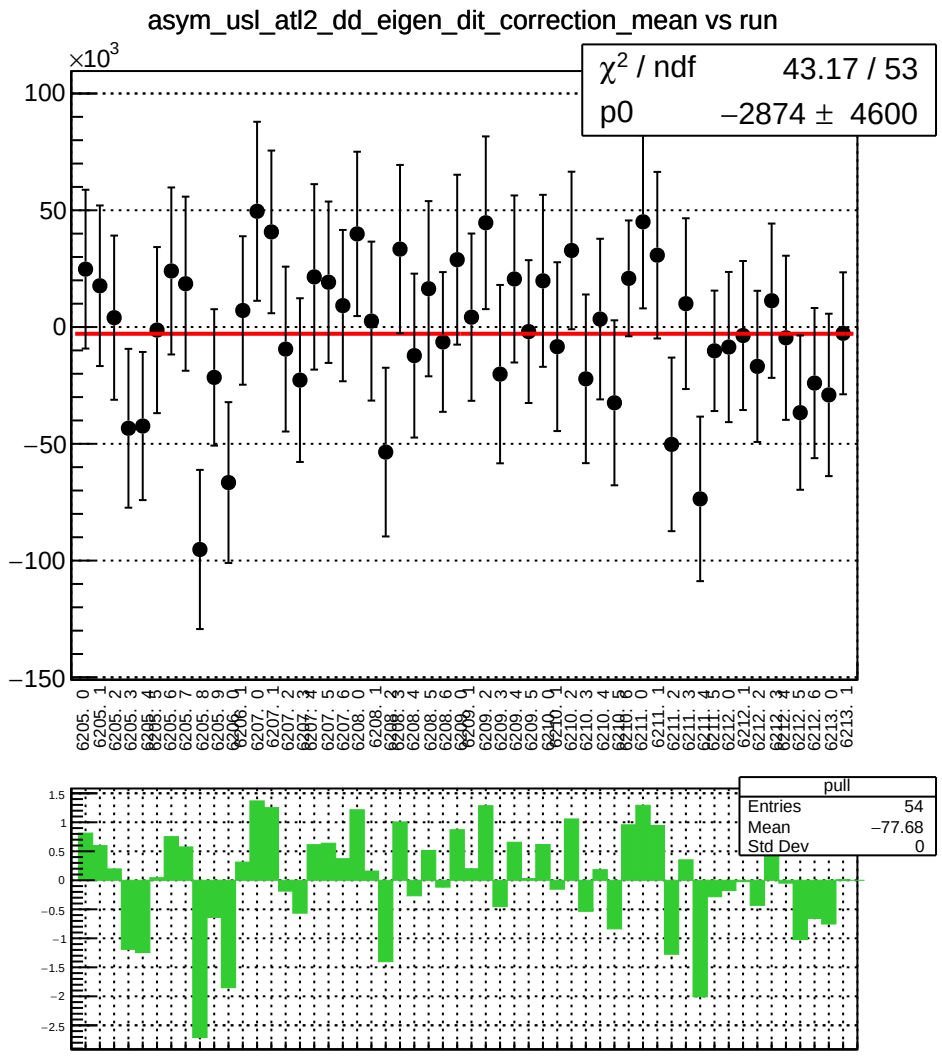

pull1D
Entries 54
Mean 0.008858
Std Dev 0.894
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

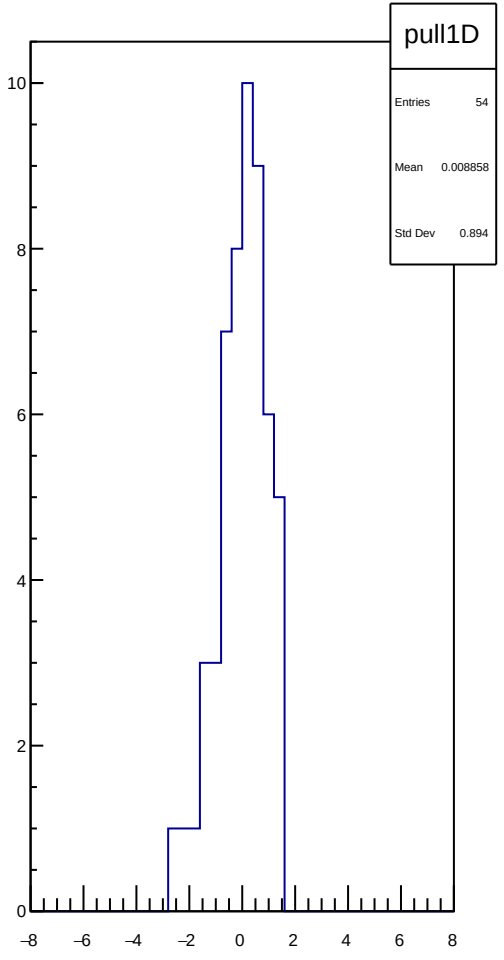

asym_usl_atl2_dd_dit_correction_rms vs run
χ² / ndf 2311 / 53
p0 3344 ± 3.253
3800
3700
3600
3500
3400
3300
3200
3100
3000
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

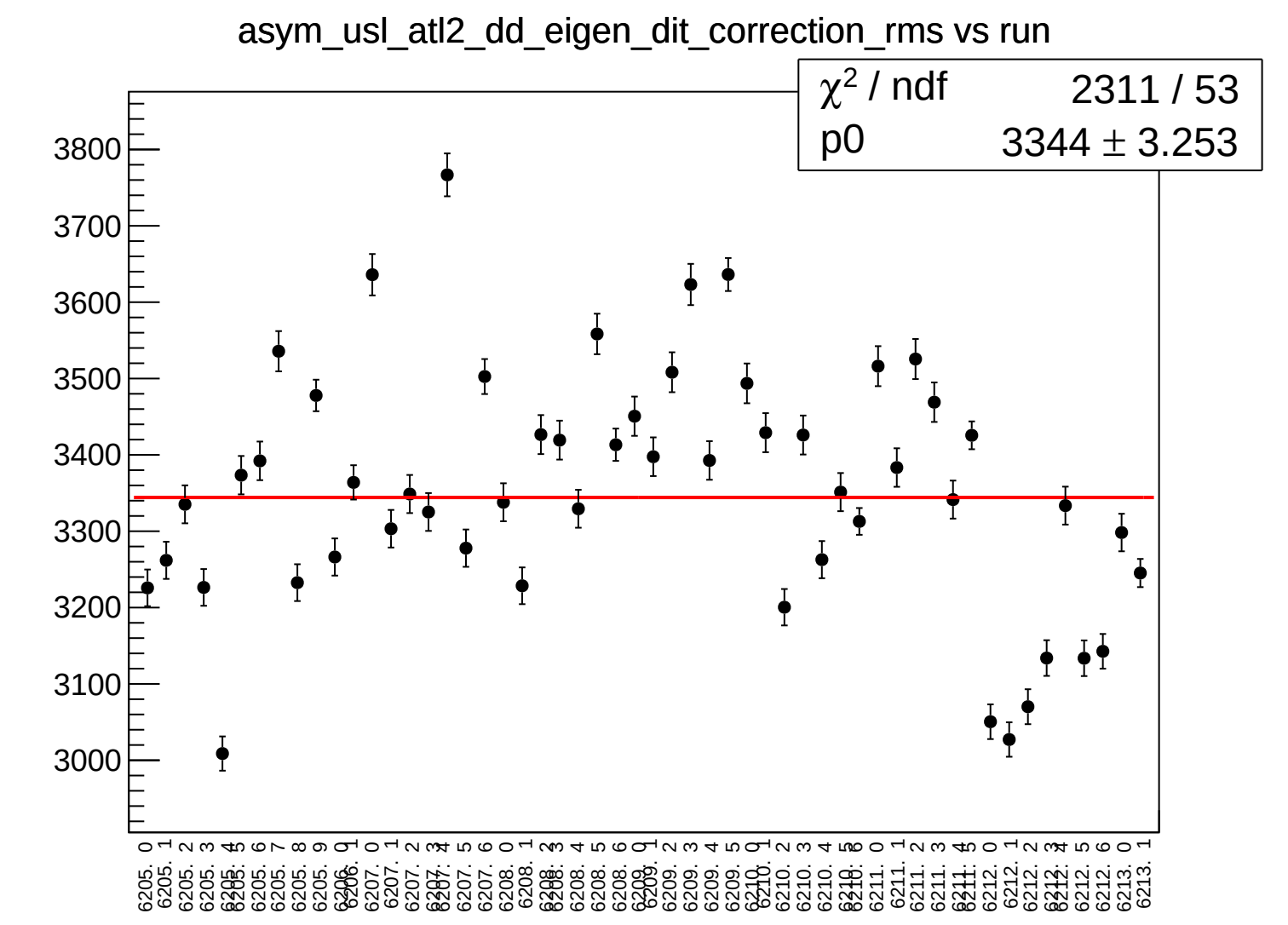

eigen_dit_asym_usl_atl2_dd_mean vs run
χ² / ndf 63.62 / 53
p0 734.9 ± 1141
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 54
Mean −363.5
Std Dev 0
2
1
0
−1
−2
−3

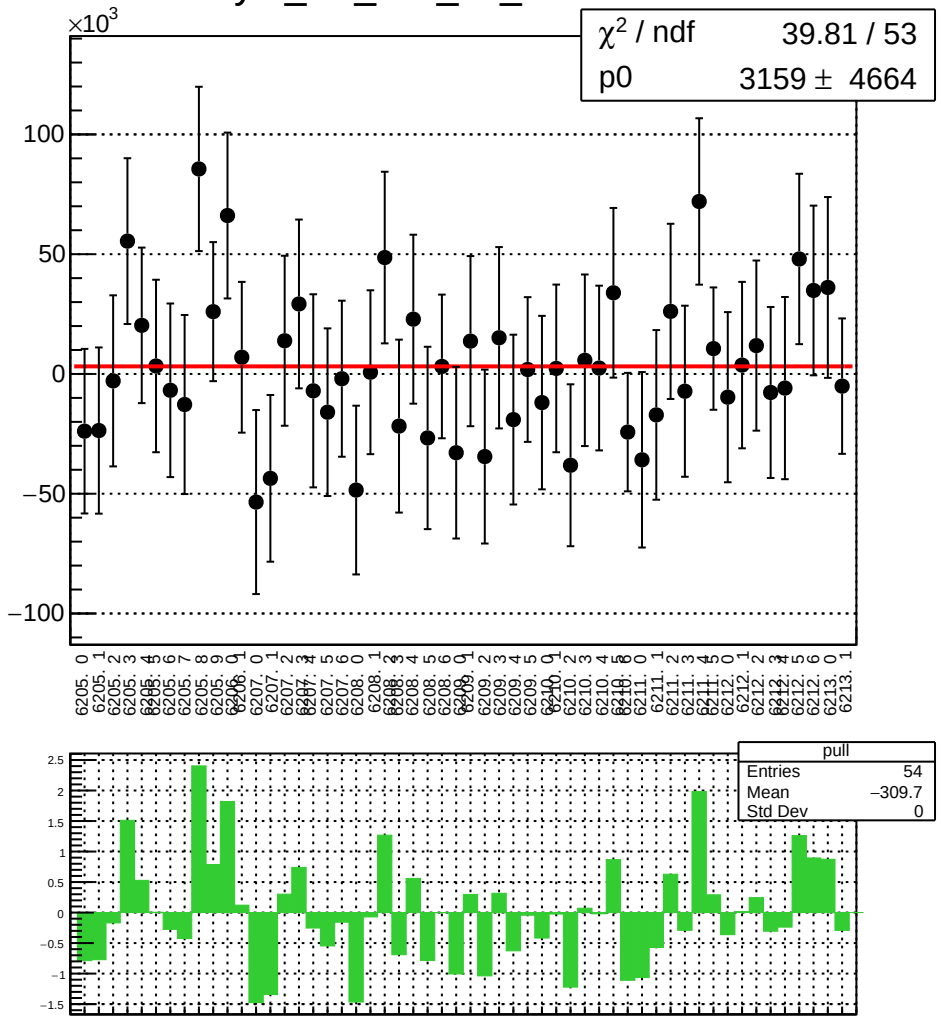

pull1D
Entries 54
Mean 0.005051
Std Dev 1.085
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

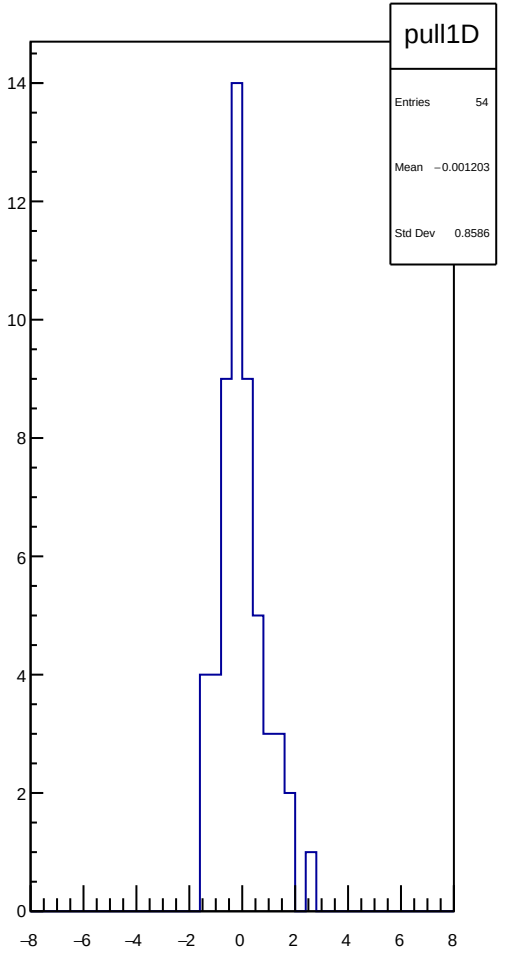

eigen_dit_asym_usl_atl2_dd_rms vs run
χ² / ndf 435.6 / 53
p0 830.1 ± 0.8067
900
880
860
840
820
800
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

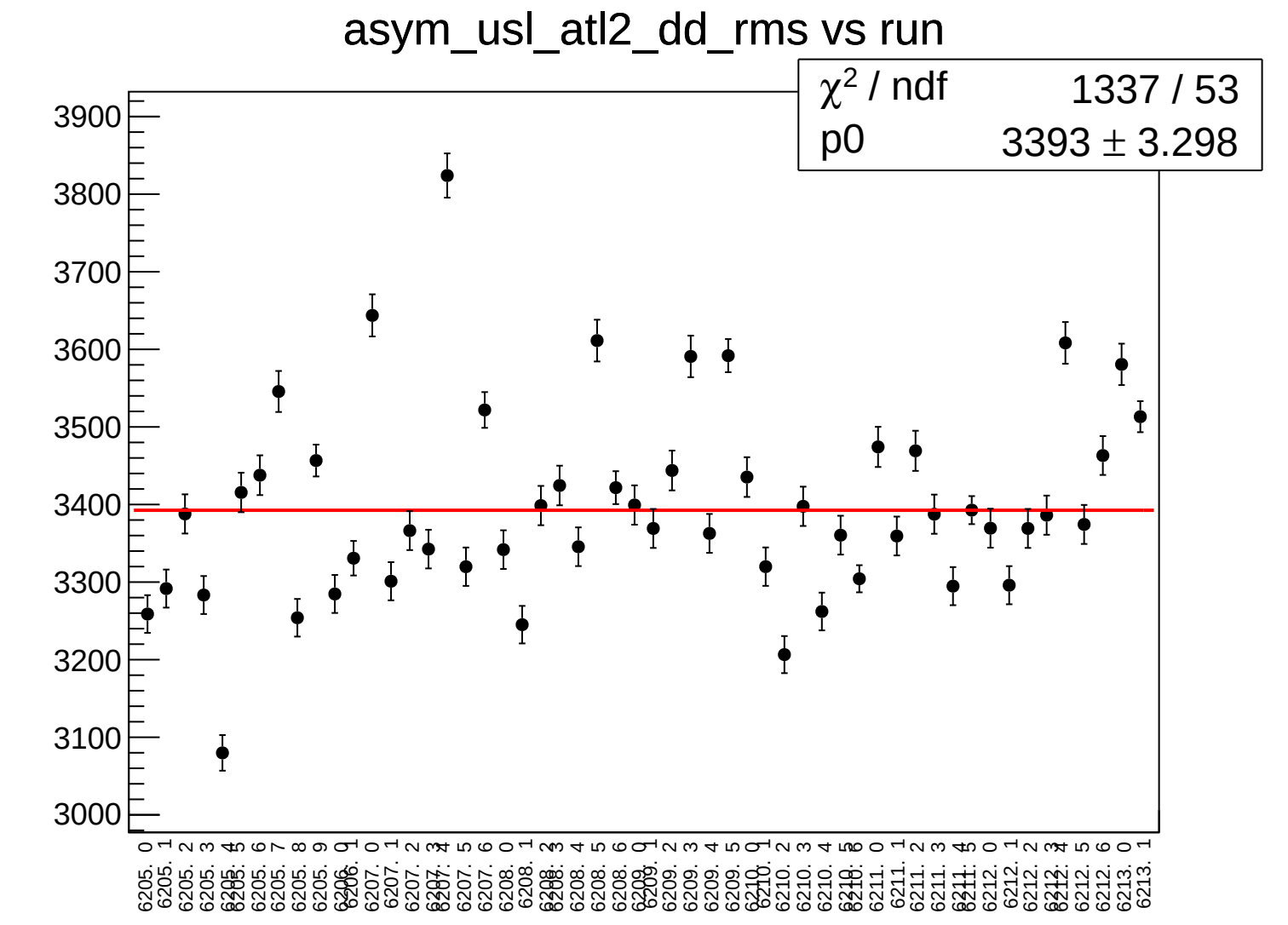

asym_usl_atl2_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 43.17 / 53
p0 −2874 ± 4600
100
50
0
−50
−100
−150
pull
Entries 54
Mean −77.68
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

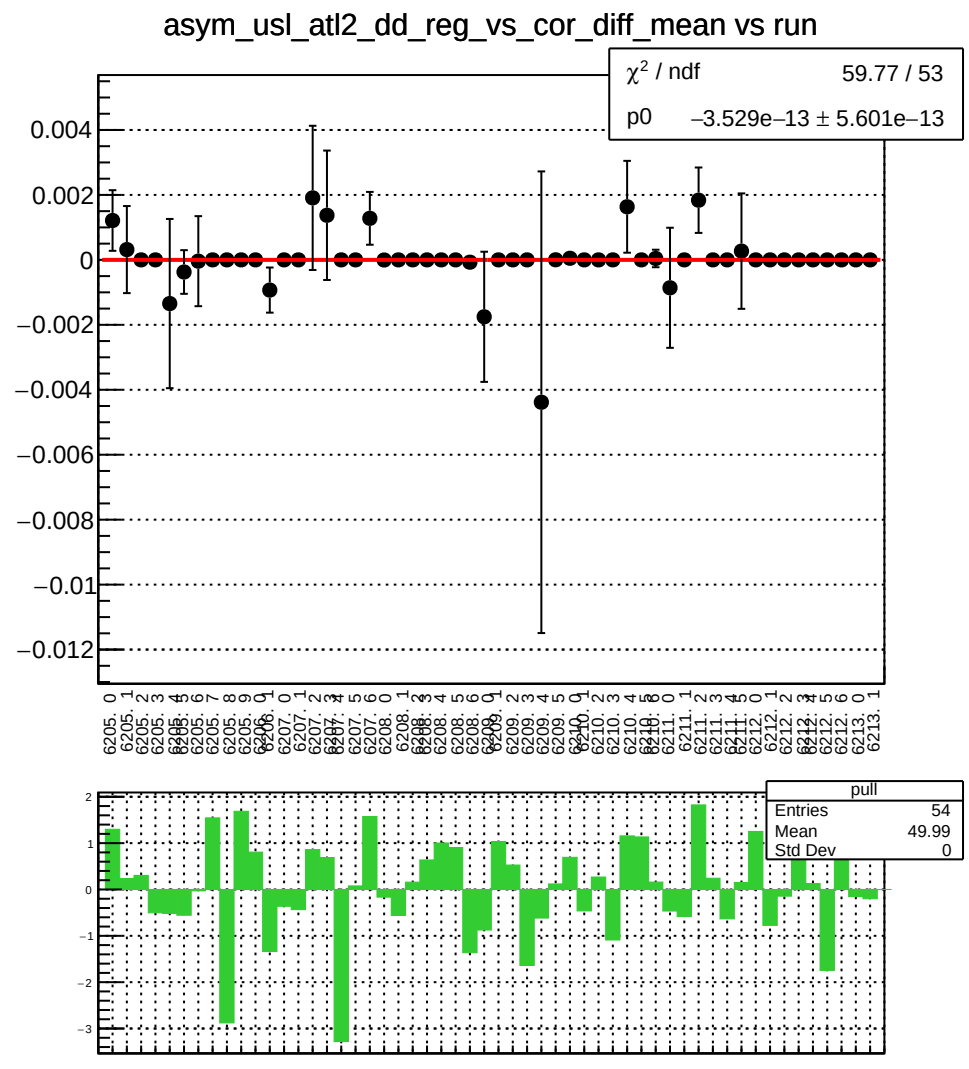

pull1D
Entries 54
Mean 0.008858
Std Dev 0.894
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

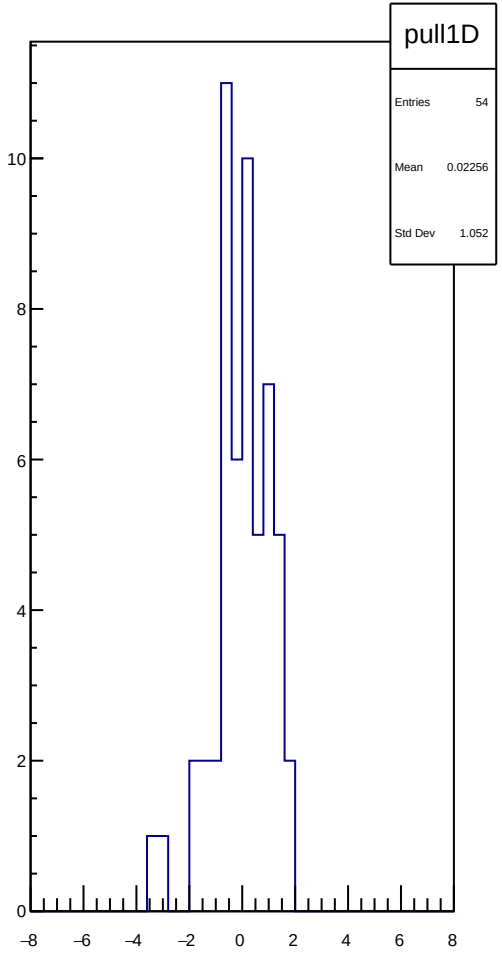

asym_usl_atl2_dd_eigen_dit_correction_rms vs run
χ² / ndf 2311 / 53
p0 3344 ± 3.253
3800
3700
3600
3500
3400
3300
3200
3100
3000
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

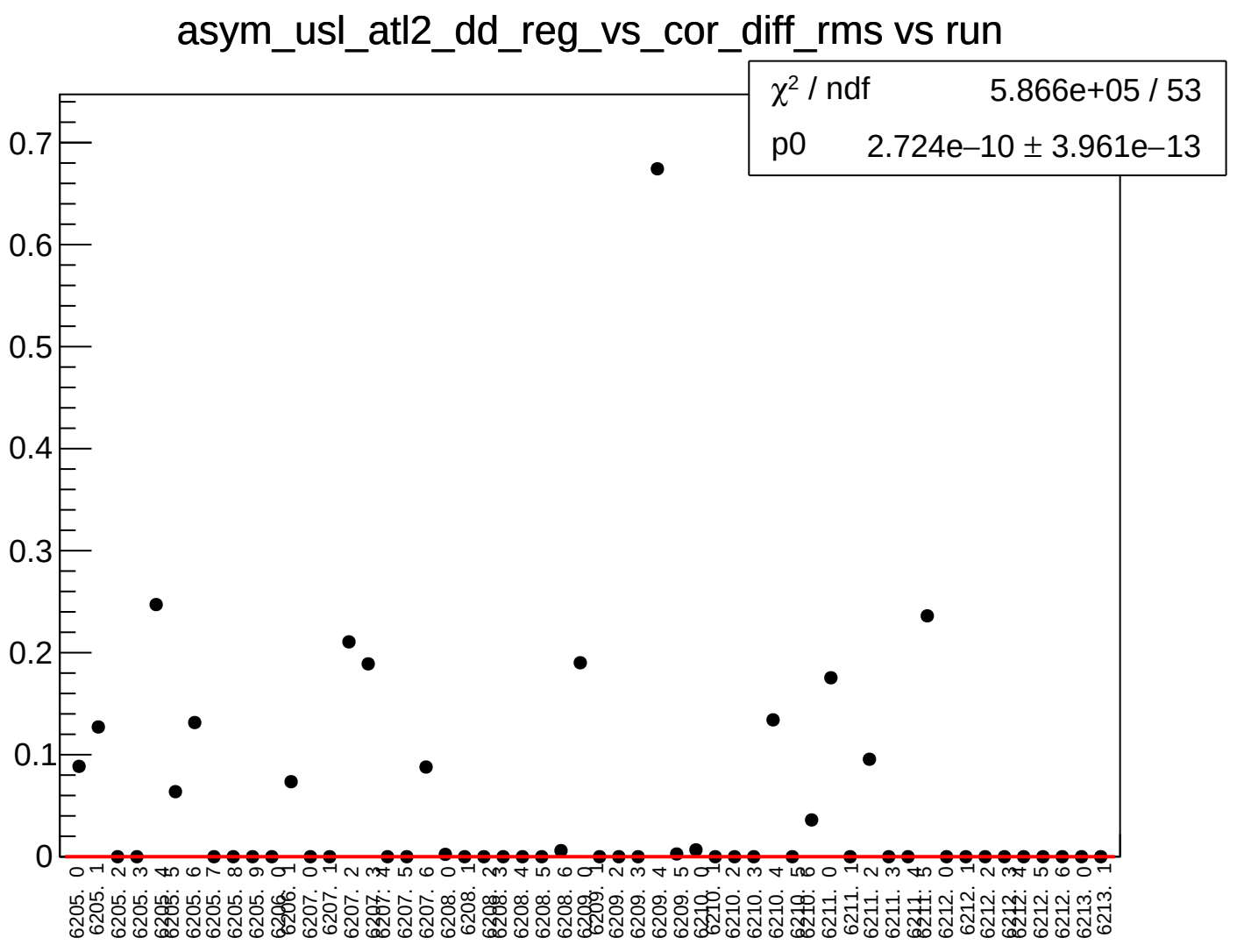

asym_usl_atl2_dd_mean vs run
χ² / ndf 39.81 / 53
p0 3159 ± 4664
pull
Entries 54
Mean −309.7
Std Dev 0


pull1D
Entries 54
Mean −0.001203
Std Dev 0.8586


asym_usl_atl2_dd_rms vs run
χ² / ndf 1337 / 53
p0 3393 ± 3.298
3900
3800
3700
3600
3500
3400
3300
3200
3100
3000
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_usl_atl2_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 59.77 / 53
p0 −3.529e−13 ± 5.601e−13
pull
Entries 54
Mean 49.99
Std Dev 0


pull1D
Entries 54
Mean 0.02256
Std Dev 1.052


asym_usl_atl2_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.866e+05 / 53
p0 2.724e−10 ± 3.961e−13
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
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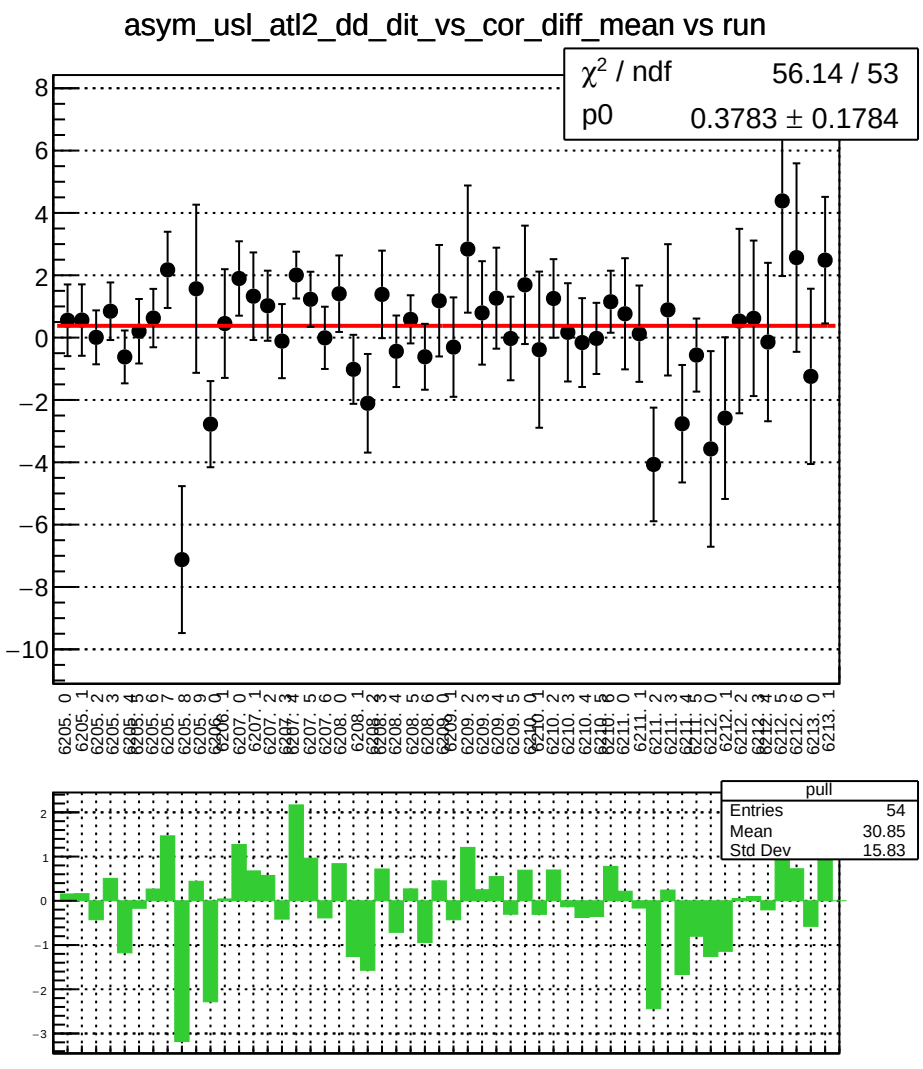
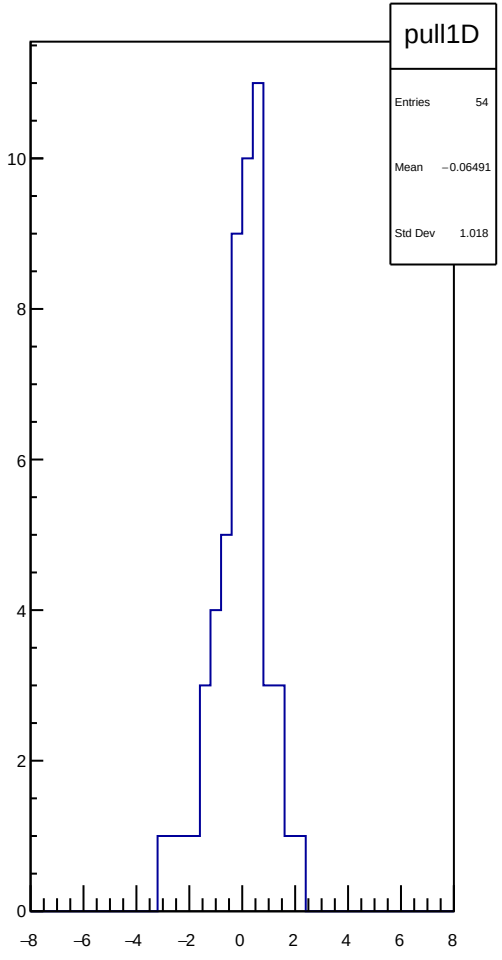
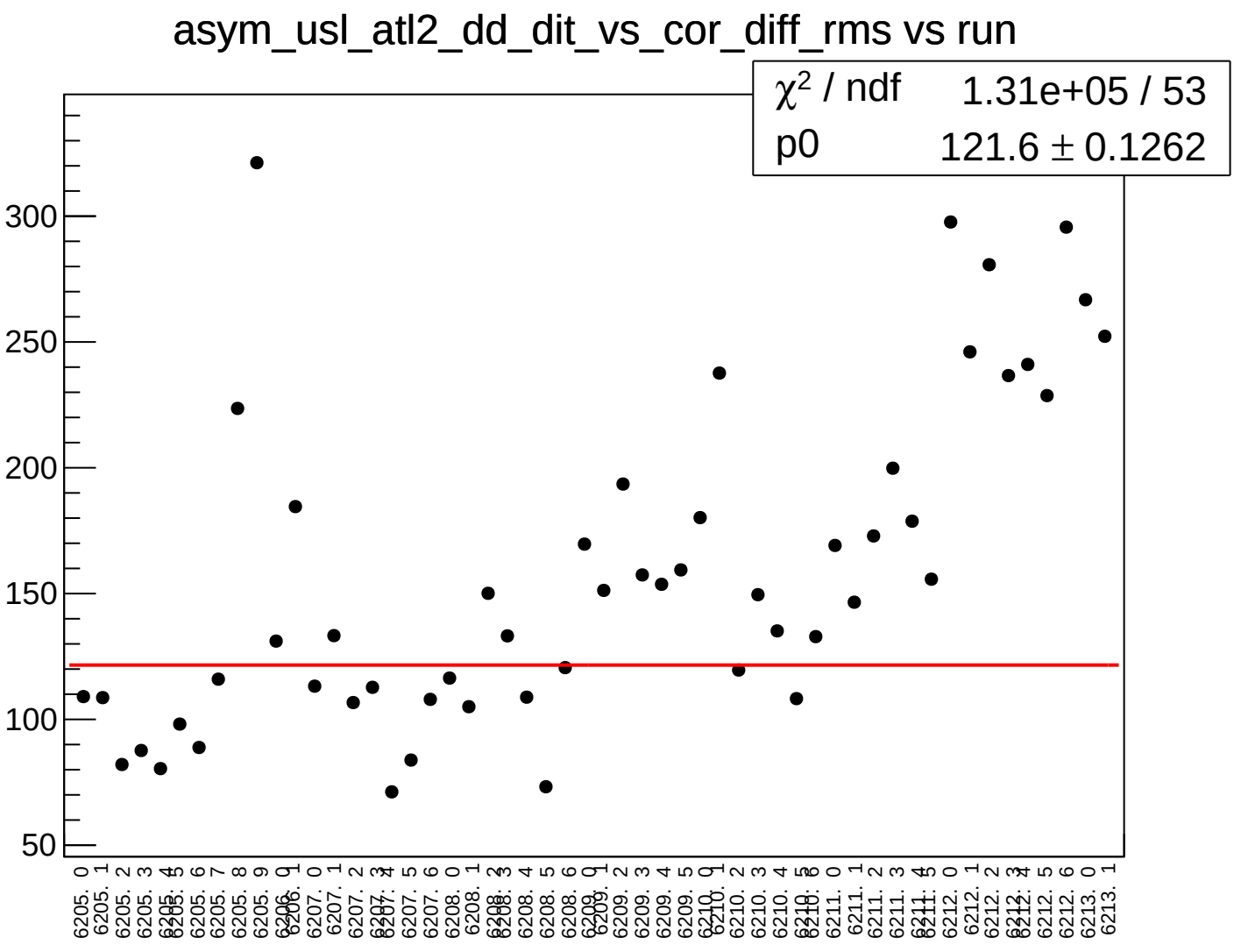
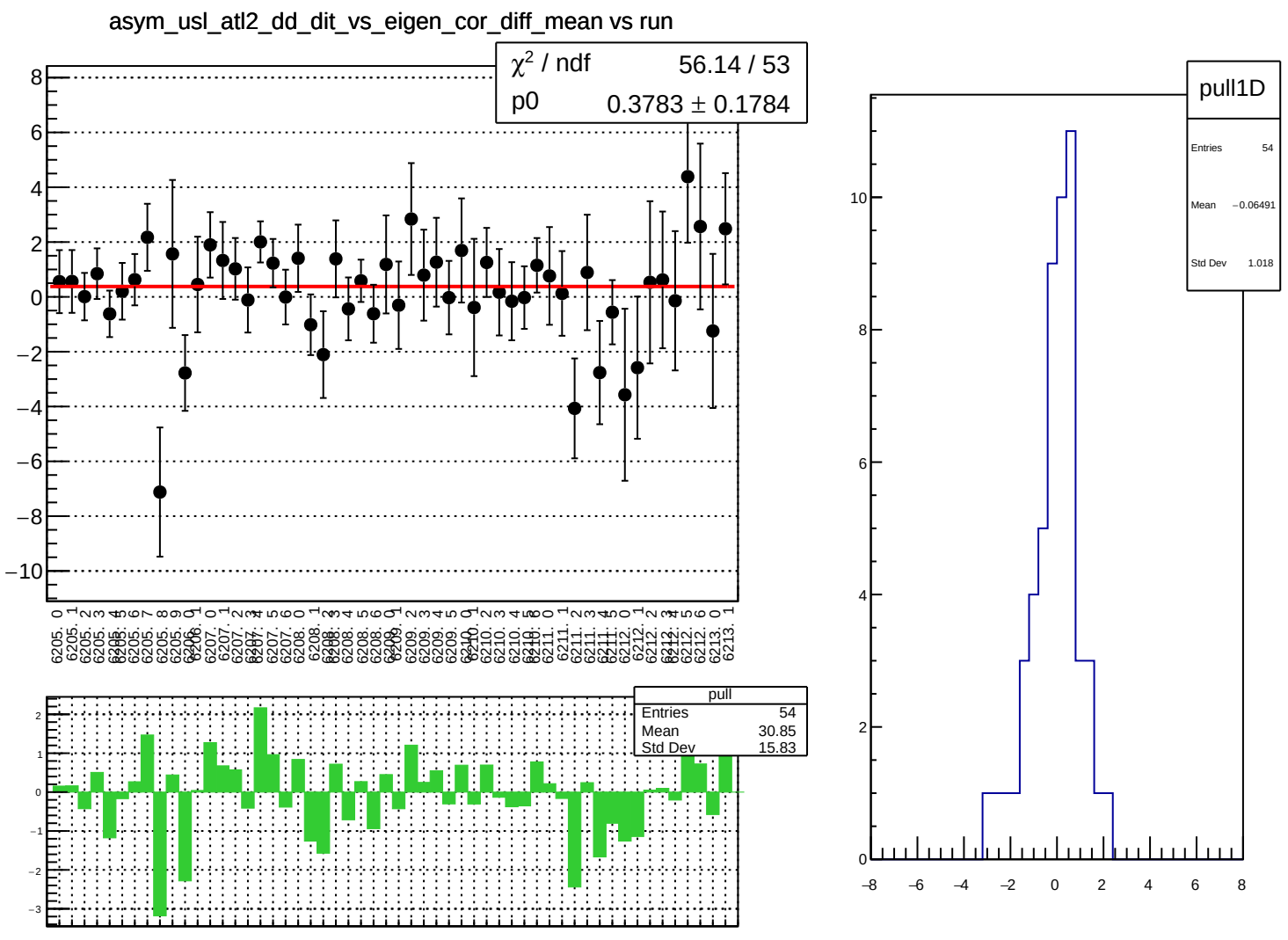
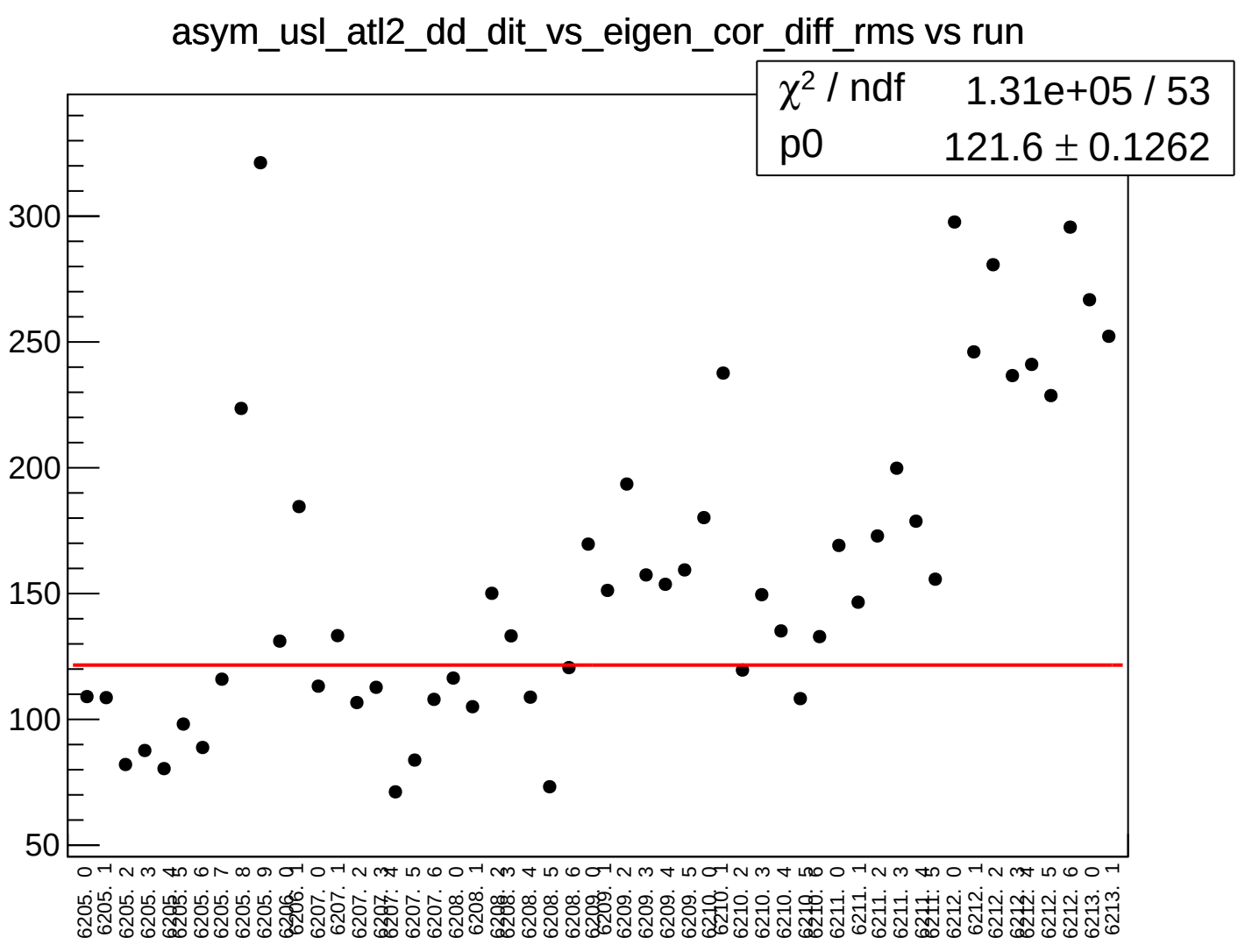
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

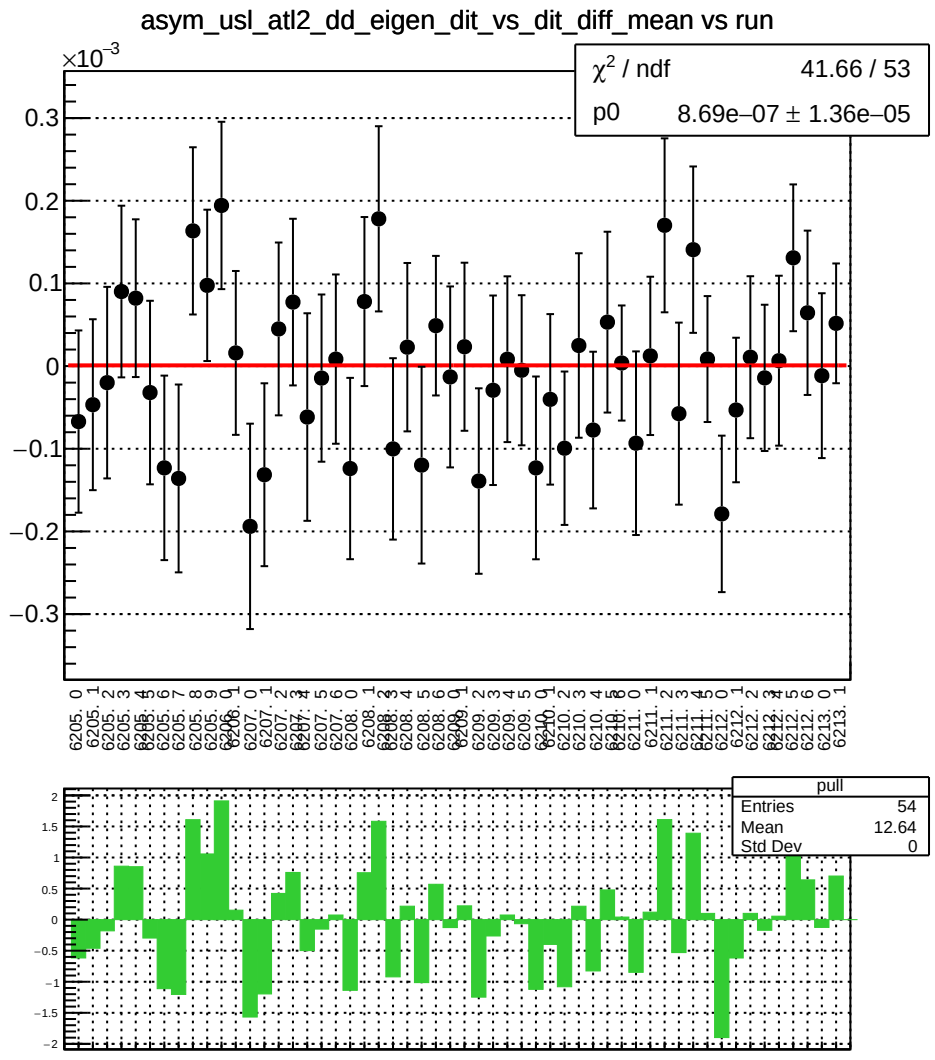

asym_usl_atl2_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 56.14 / 53
p0 0.3783 ± 0.1784
pull
Entries 54
Mean 30.85
Std Dev 15.83

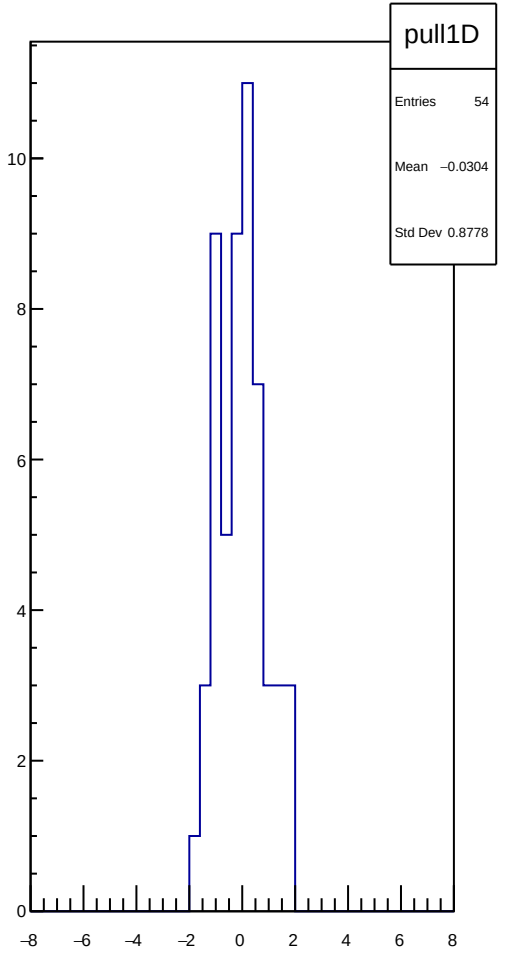

pull1D
Entries 54
Mean −0.06491
Std Dev 1.018

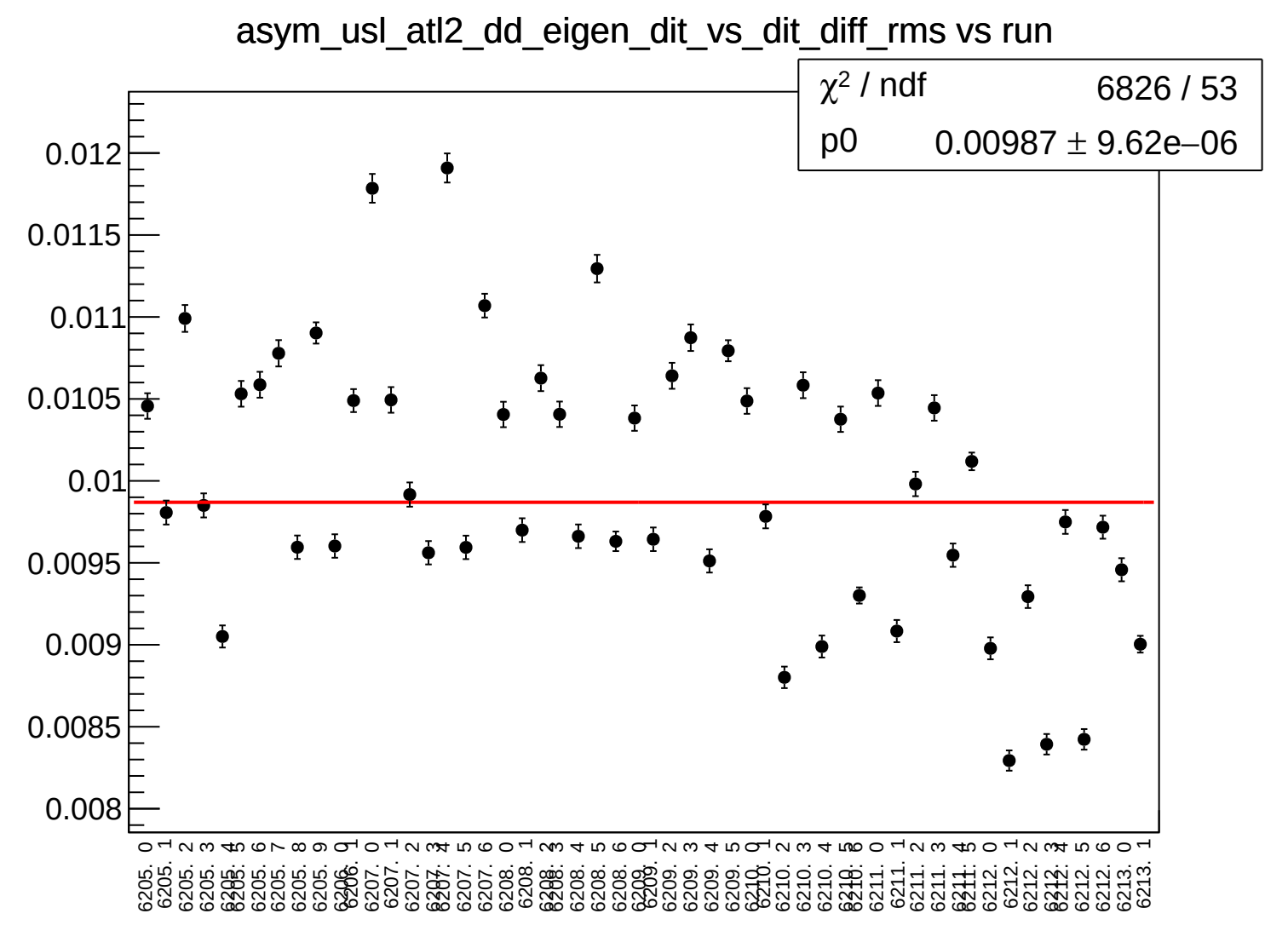

asym_usl_atl2_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.31e+05 / 53
p0 121.6 ± 0.1262
300
250
200
150
100
50
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

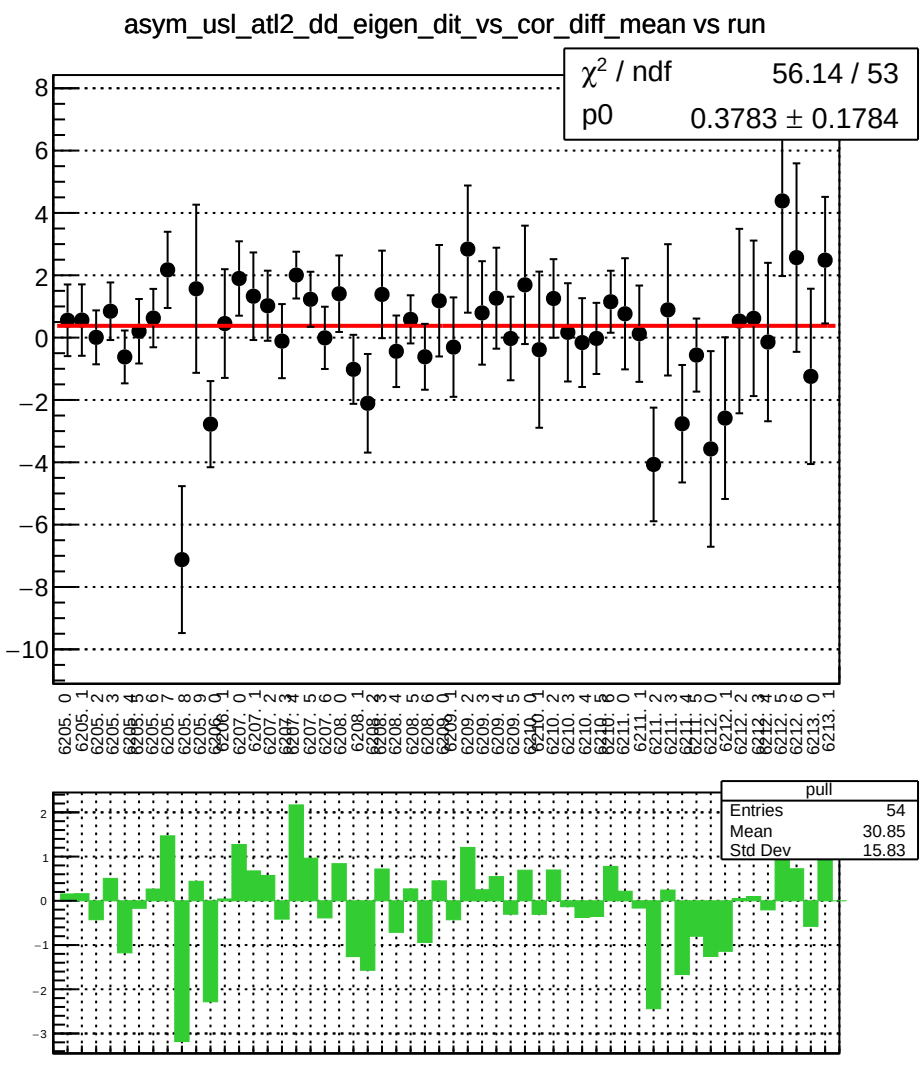

asym_usl_atl2_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 56.14 / 53
p0 0.3783 ± 0.1784
pull
Entries 54
Mean 30.85
Std Dev 15.83
pull1D
Entries 54
Mean −0.06491
Std Dev 1.018

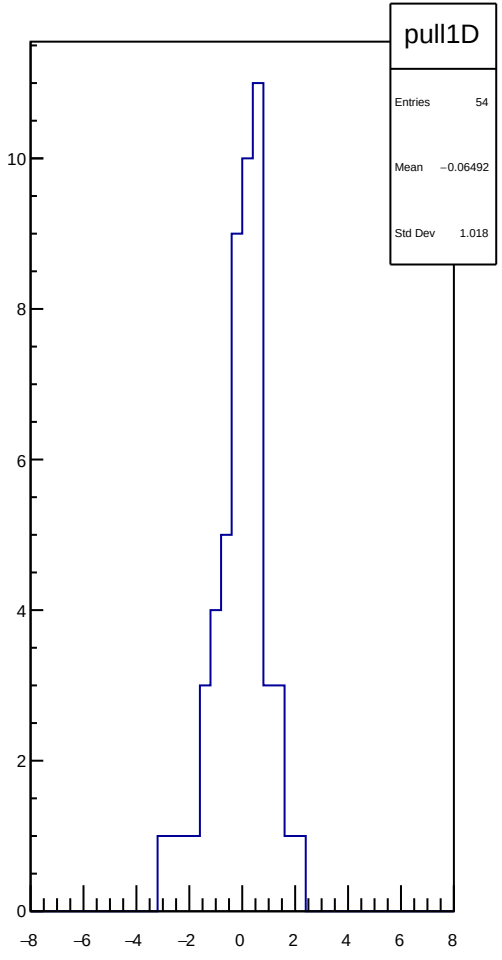

asym_usl_atl2_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.31e+05 / 53
p0 121.6 ± 0.1262
300
250
200
150
100
50
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

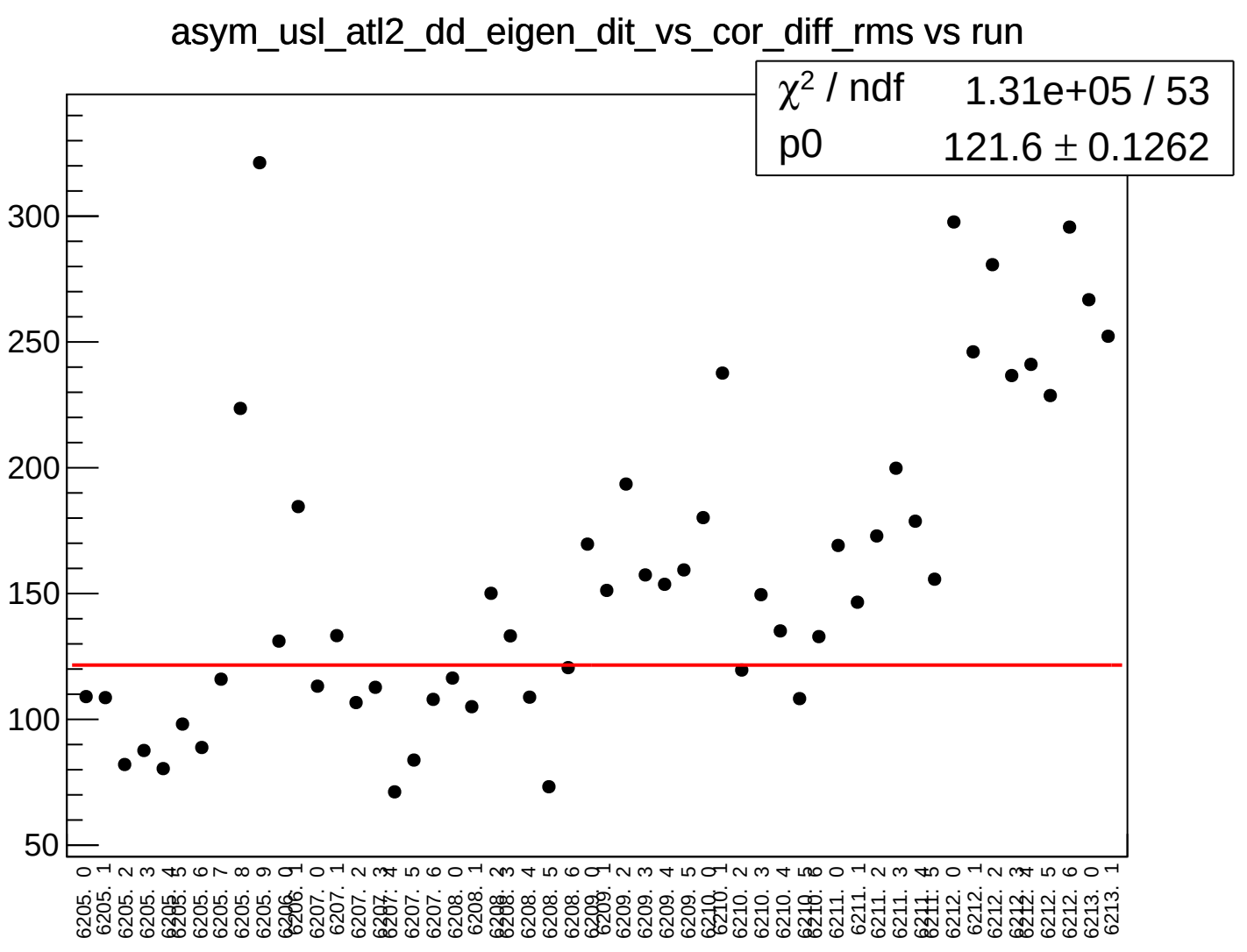

asym_usl_atl2_dd_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 41.66 / 53
p0 8.69e−07 ± 1.36e−05
pull
Entries 54
Mean 12.64
Std Dev 0

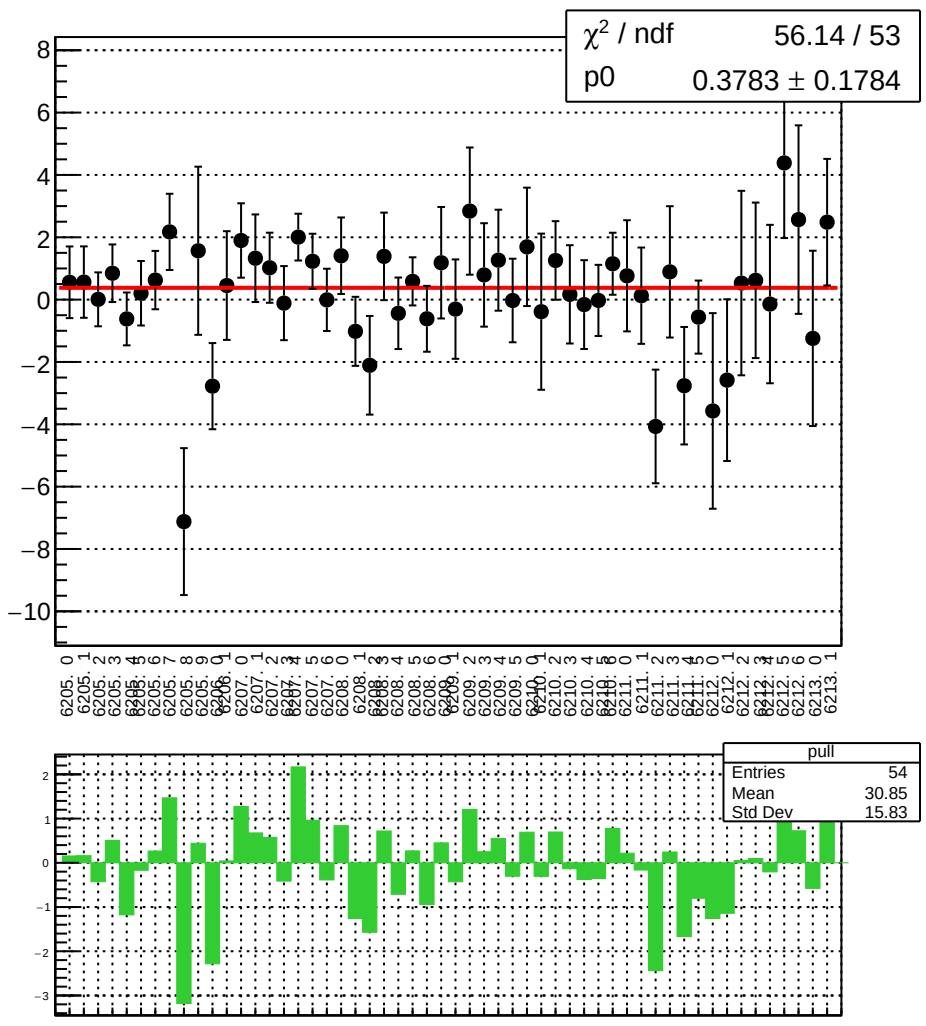

pull1D
Entries 54
Mean −0.0304
Std Dev 0.8778

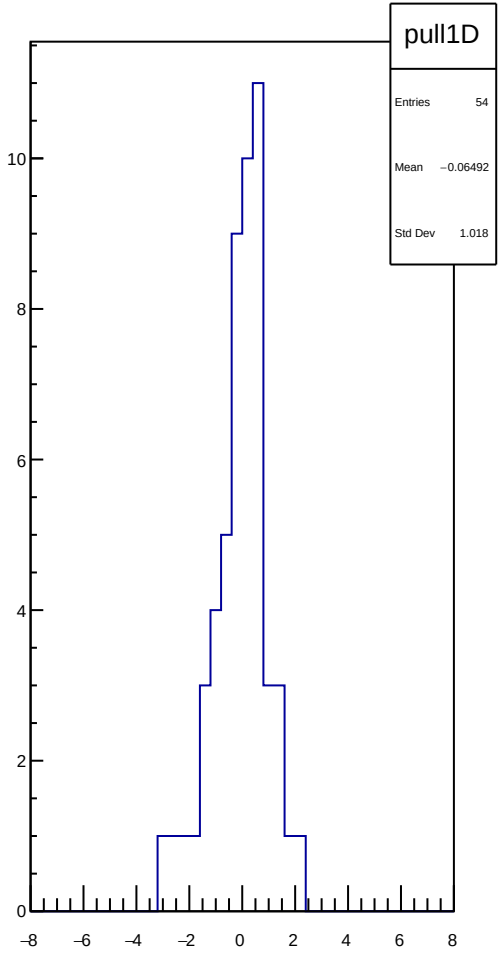

asym_usl_atl2_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 6826 / 53
p0 0.00987 ± 9.62e−06
0.012
0.0115
0.011
0.0105
0.01
0.0095
0.009
0.0085
0.008

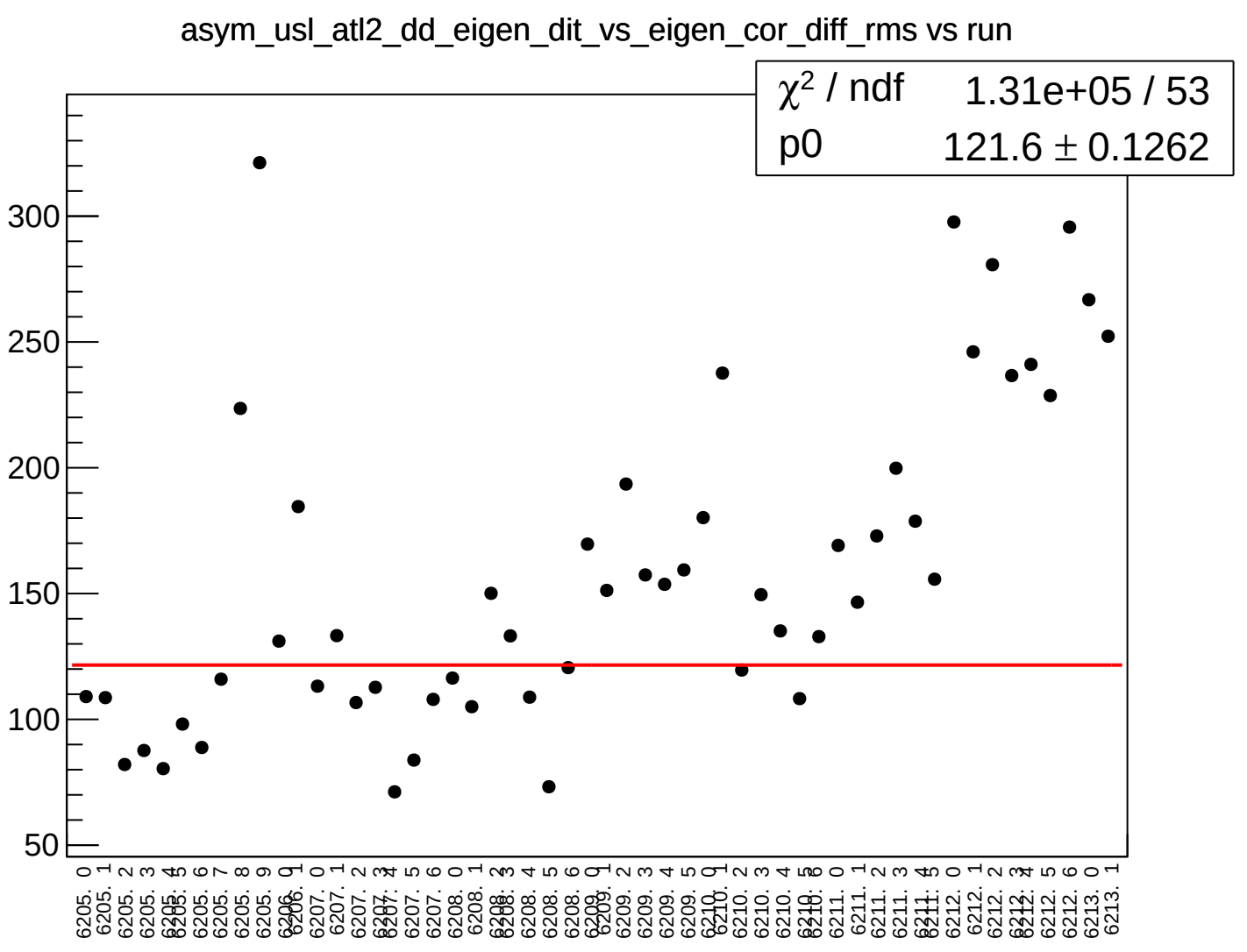

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 56.14 / 53
p0 0.3783 ± 0.1784
pull
Entries 54
Mean 30.85
Std Dev 15.83

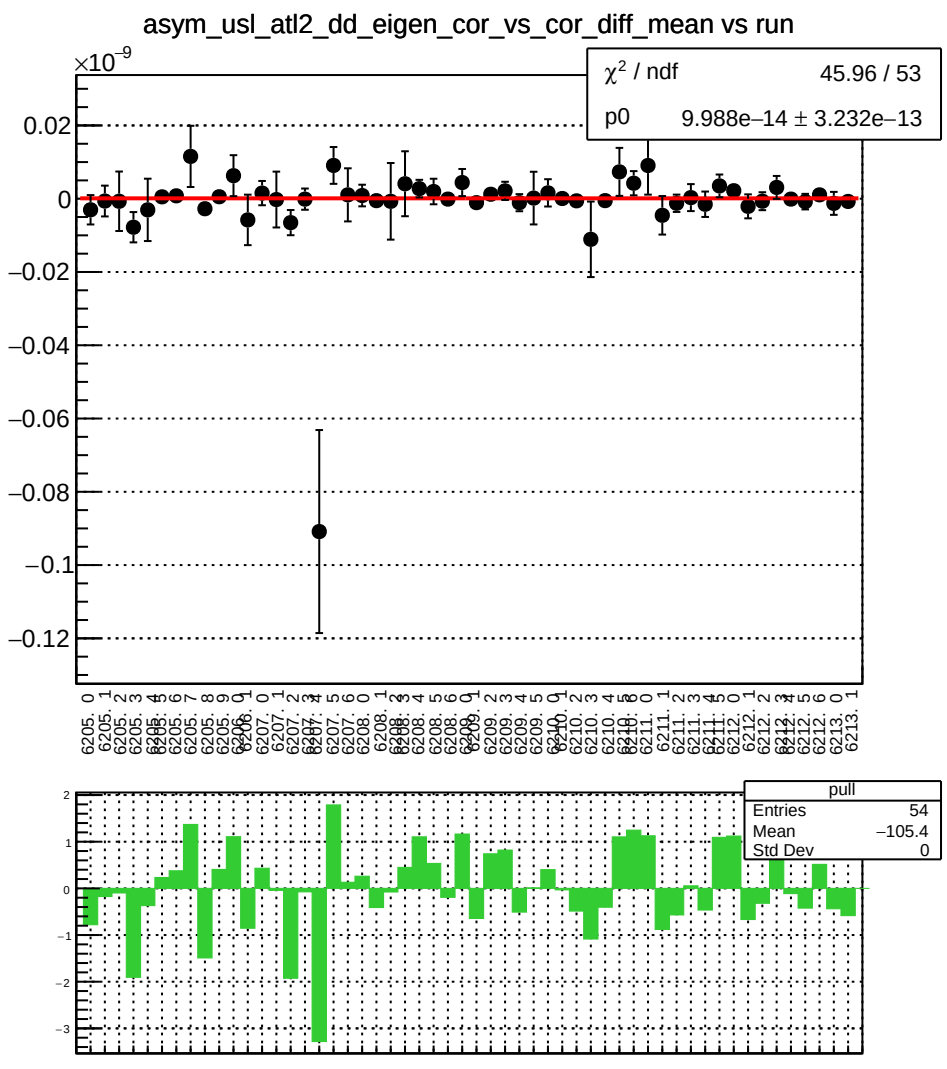

pull1D
Entries 54
Mean −0.06492
Std Dev 1.018

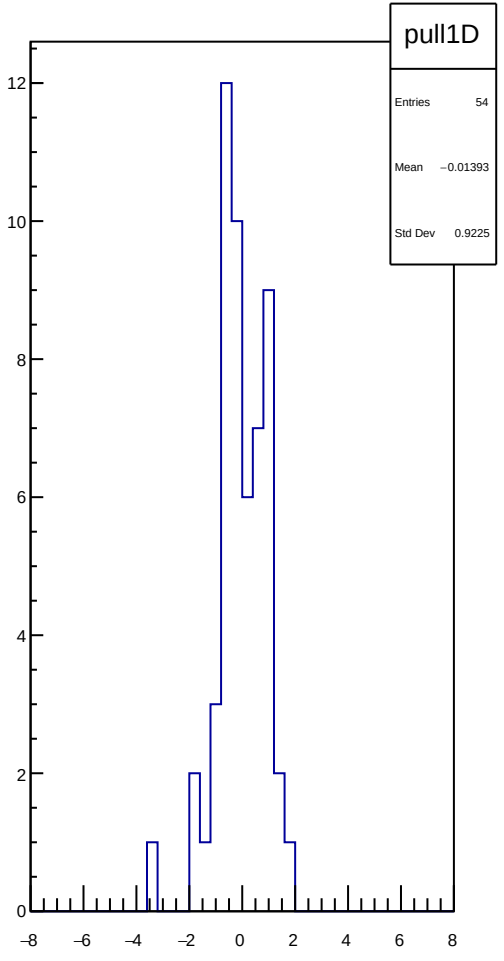

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.31e+05 / 53
p0 121.6 ± 0.1262
300
250
200
150
100
50
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

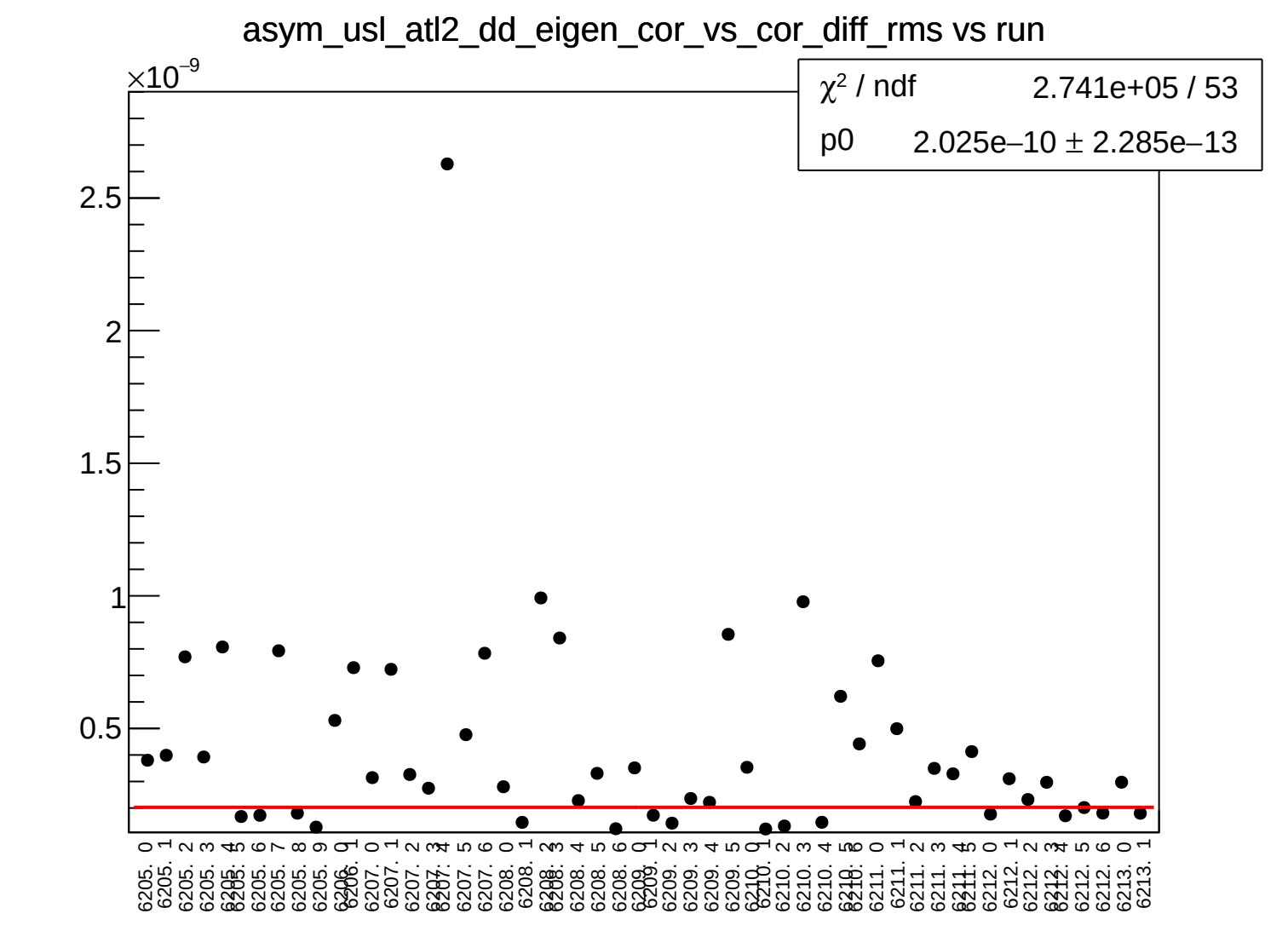

asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 56.14 / 53
p0 0.3783 ± 0.1784
pull
Entries 54
Mean 30.85
Std Dev 15.83

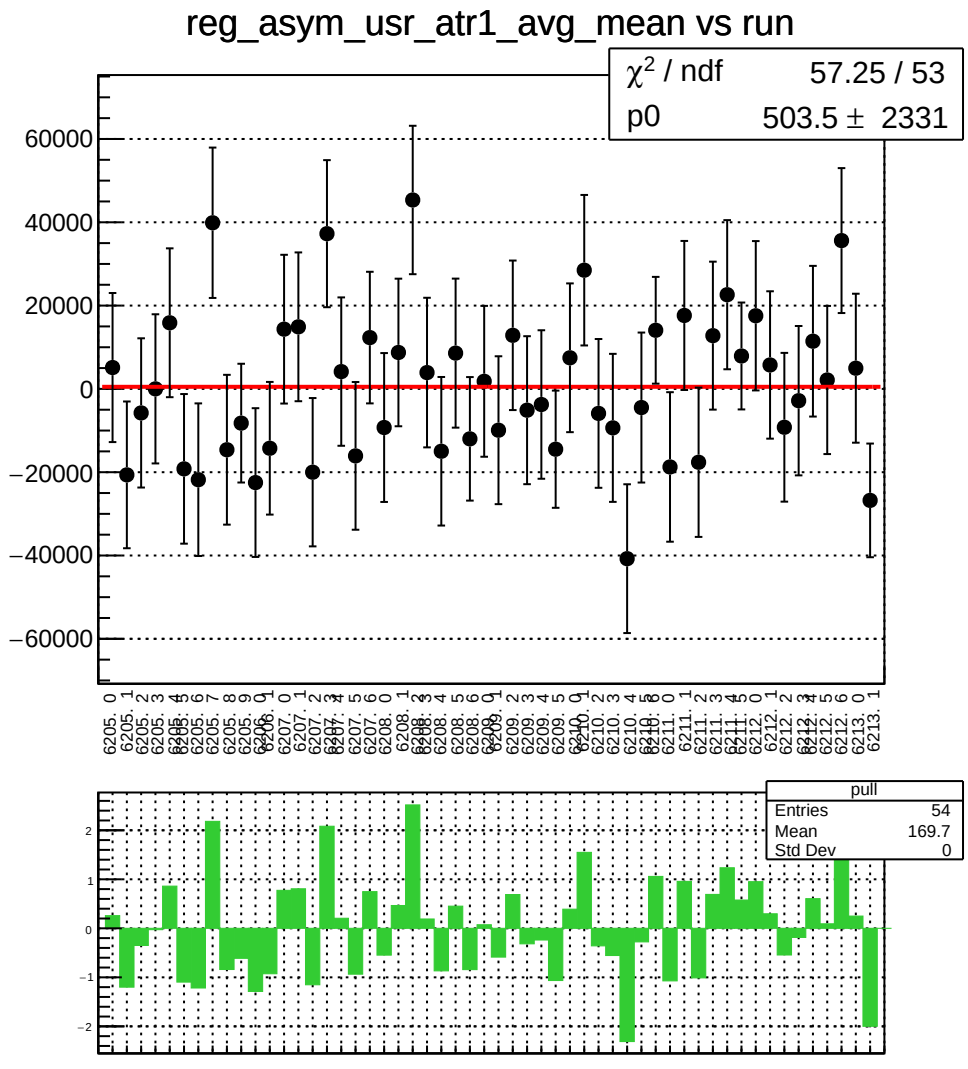

pull1D
Entries 54
Mean −0.06492
Std Dev 1.018

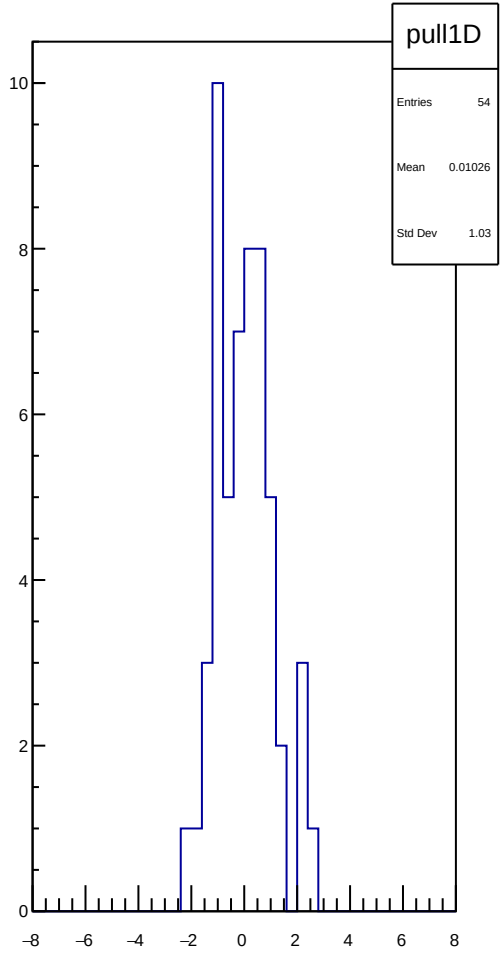

asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.31e+05 / 53
p0 121.6 ± 0.1262
300
250
200
150
100
50
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

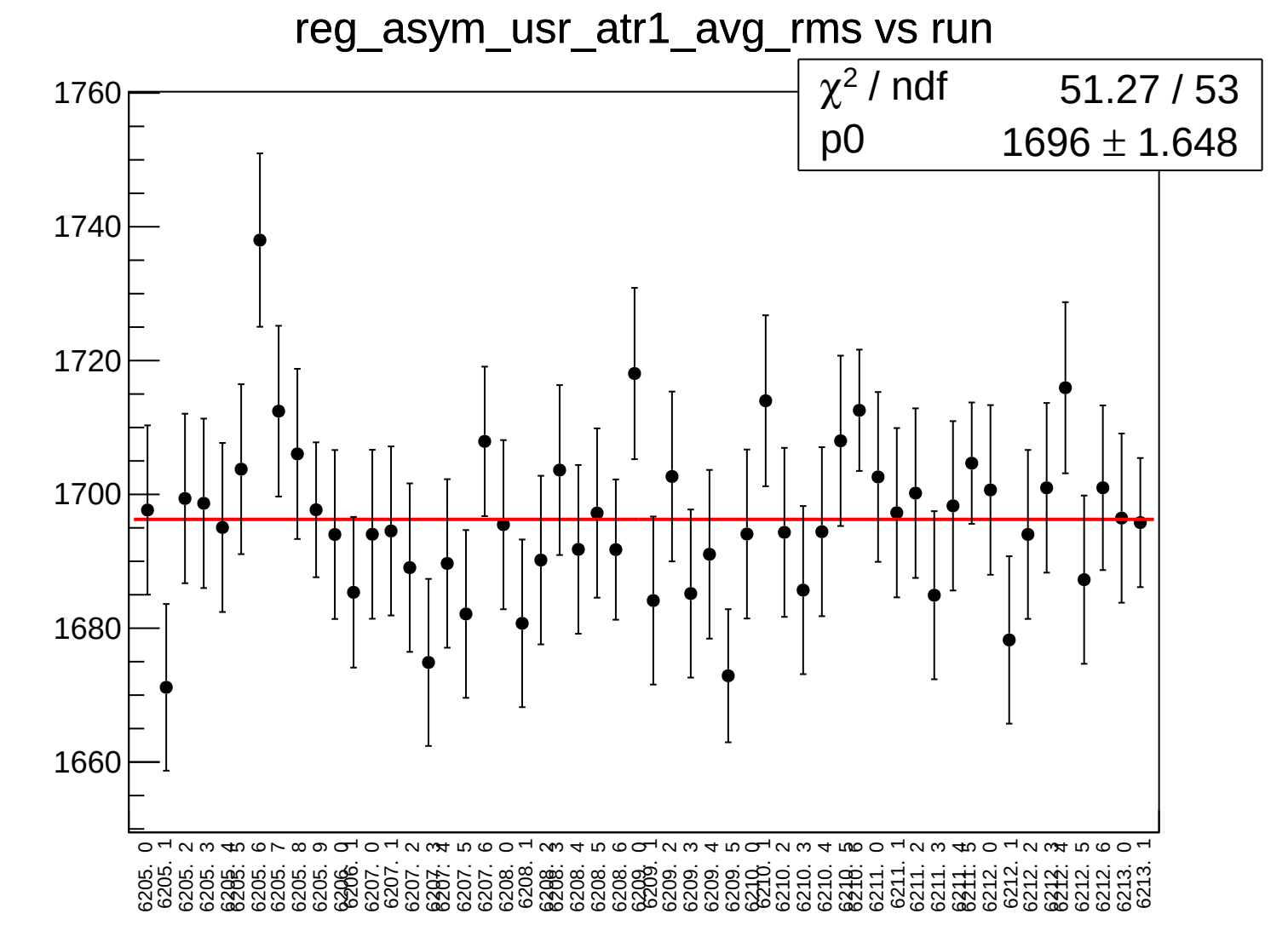

asym_usl_atl2_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻⁹
χ² / ndf 45.96 / 53
p0 9.988e−14 ± 3.232e−13
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
pull
Entries 54
Mean −105.4
Std Dev 0
2
1
0
−1
−2
−3

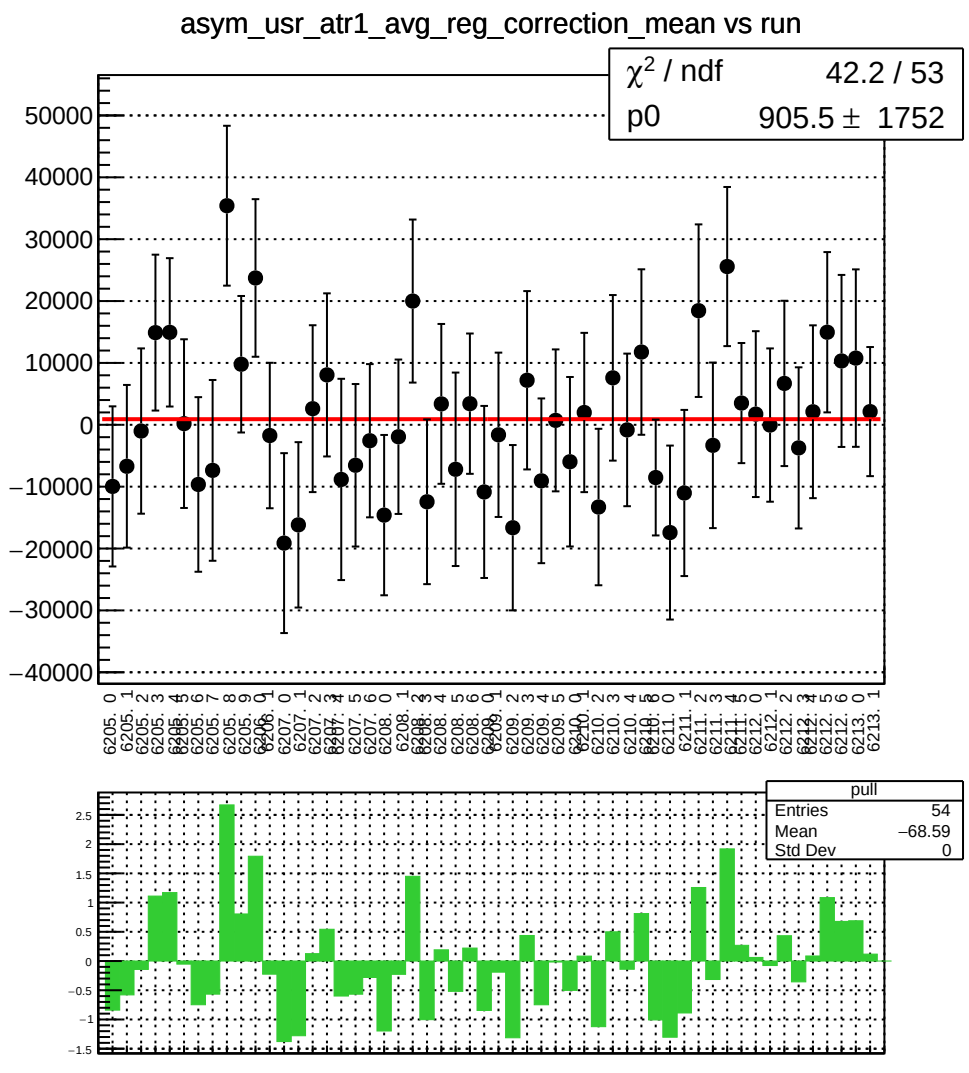

pull1D
Entries 54
Mean −0.01393
Std Dev 0.9225
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

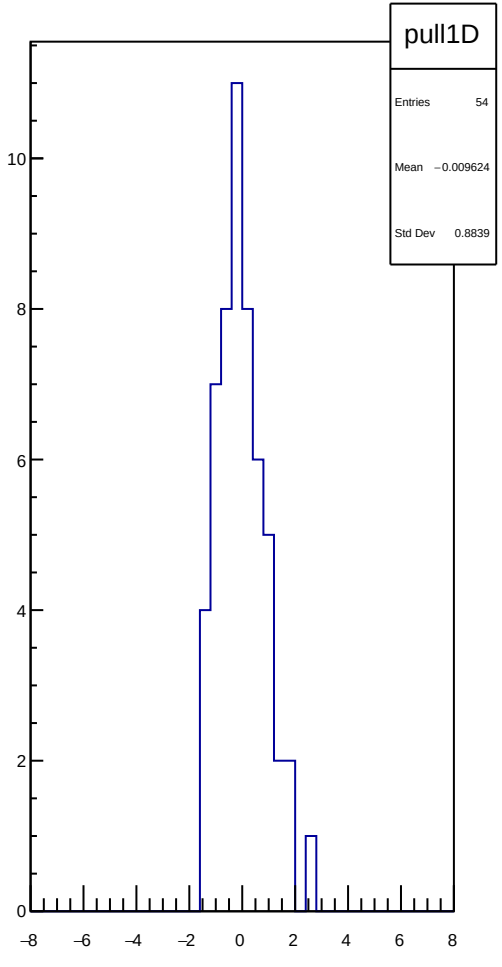

asym_usl_atl2_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.741e+05 / 53
p0 2.025e−10 ± 2.285e−13
2.5
2
1.5
1
0.5

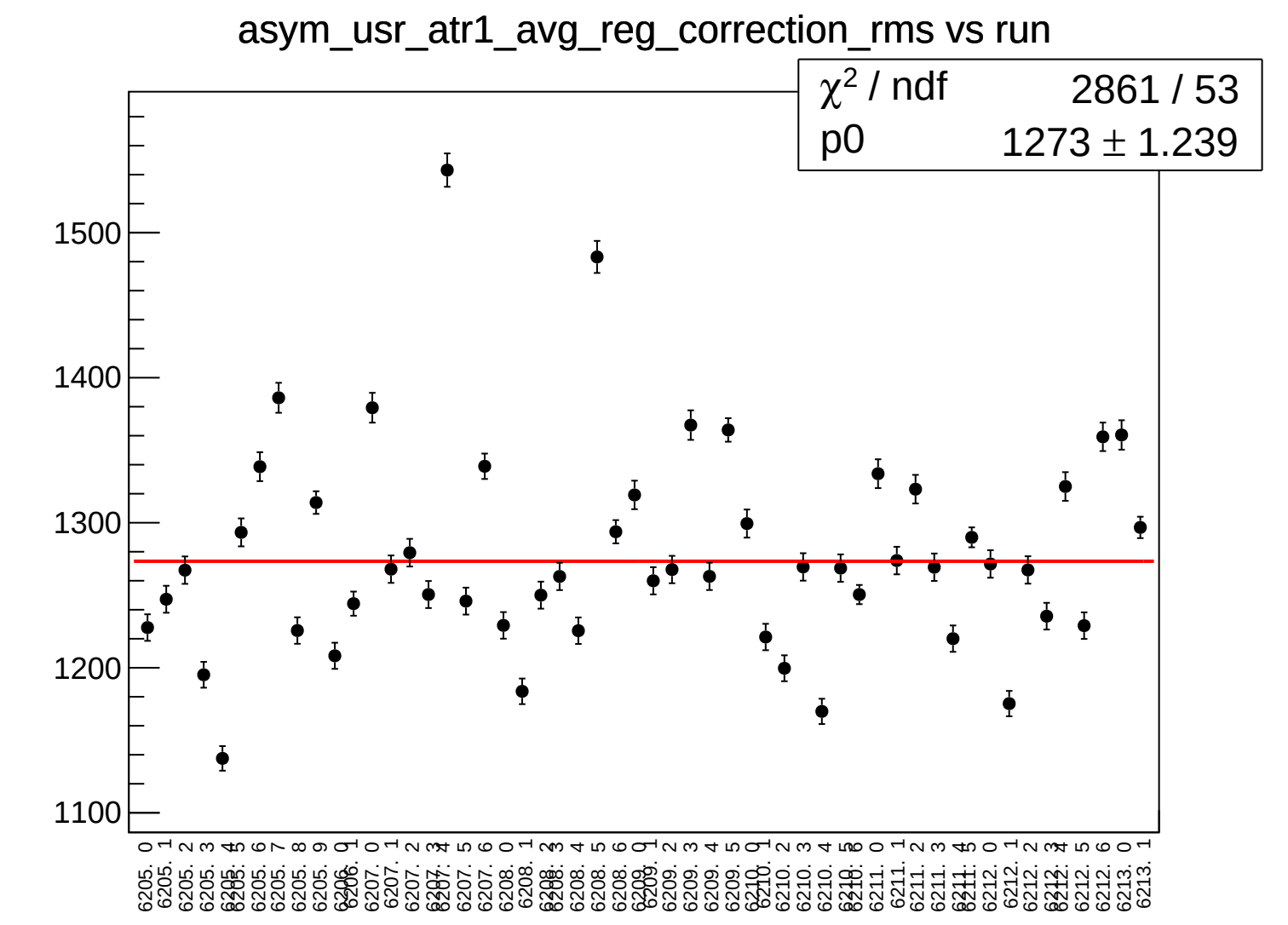

reg_asym_usr_atr1_avg_mean vs run
χ² / ndf 57.25 / 53
p0 503.5 ± 2331
pull
Entries 54
Mean 169.7
Std Dev 0

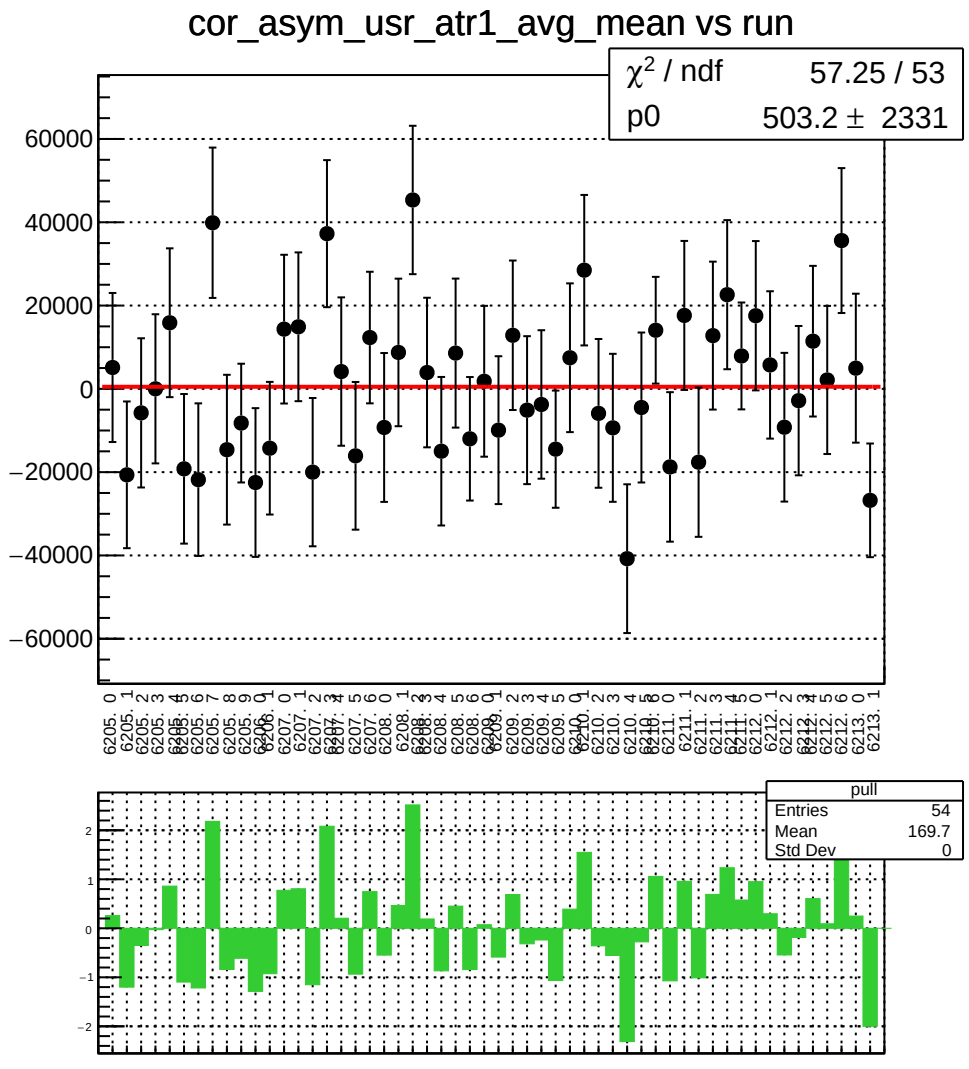

pull1D
Entries 54
Mean 0.01026
Std Dev 1.03

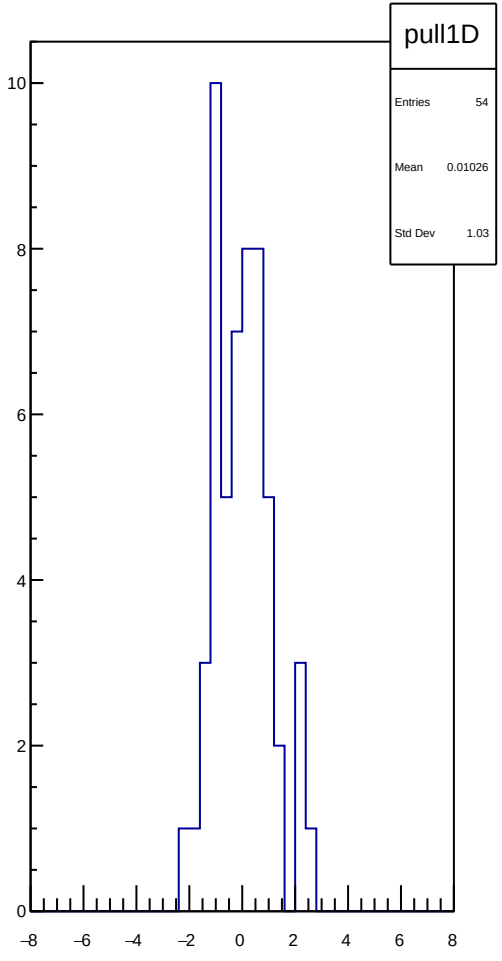

reg_asym_usr_atr1_avg_rms vs run
χ² / ndf 51.27 / 53
p0 1696 ± 1.648
1760
1740
1720
1700
1680
1660
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

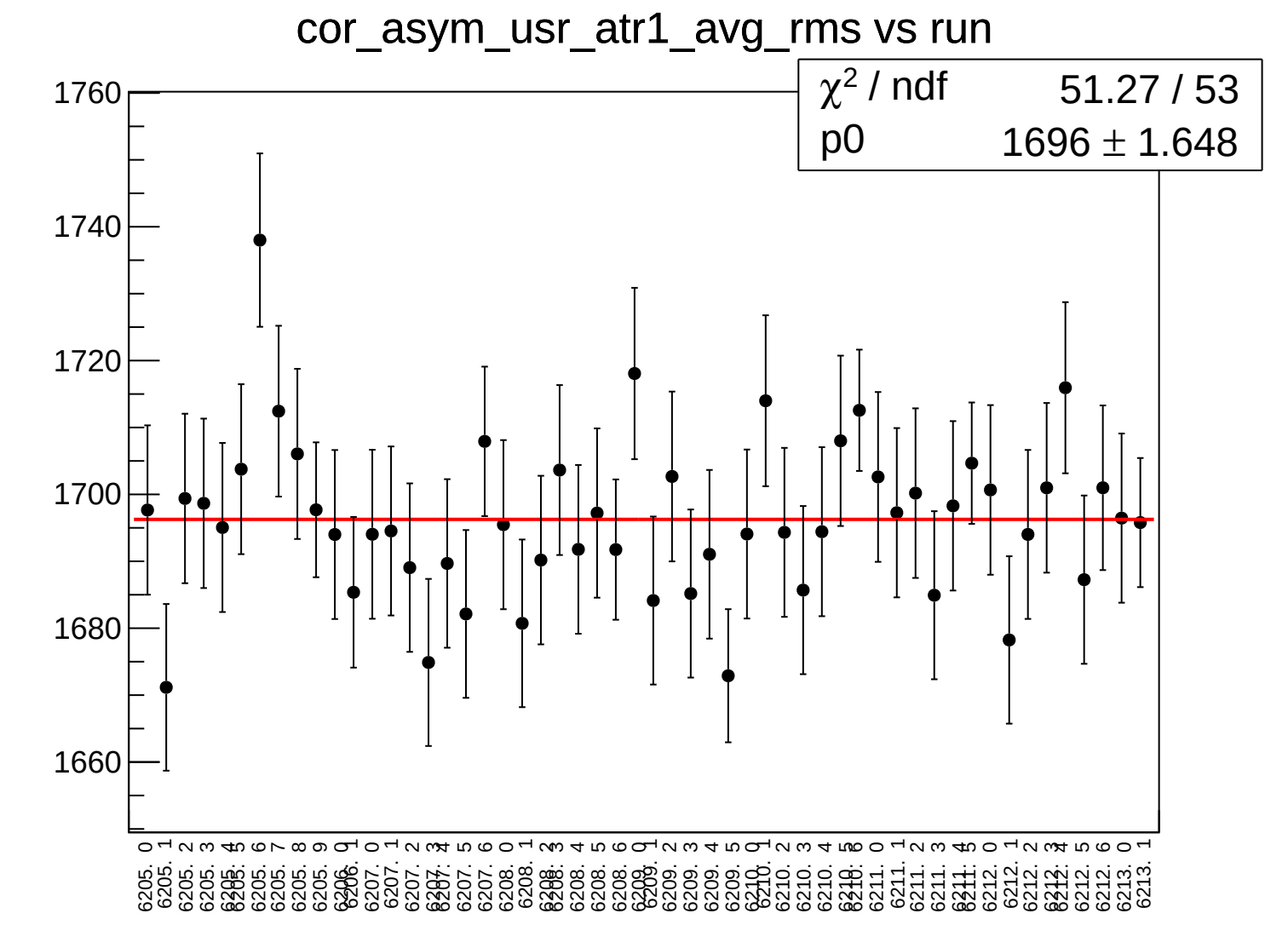

asym_usr_atr1_avg_reg_correction_mean vs run
χ² / ndf 42.2 / 53
p0 905.5 ± 1752
pull
Entries 54
Mean −68.59
Std Dev 0

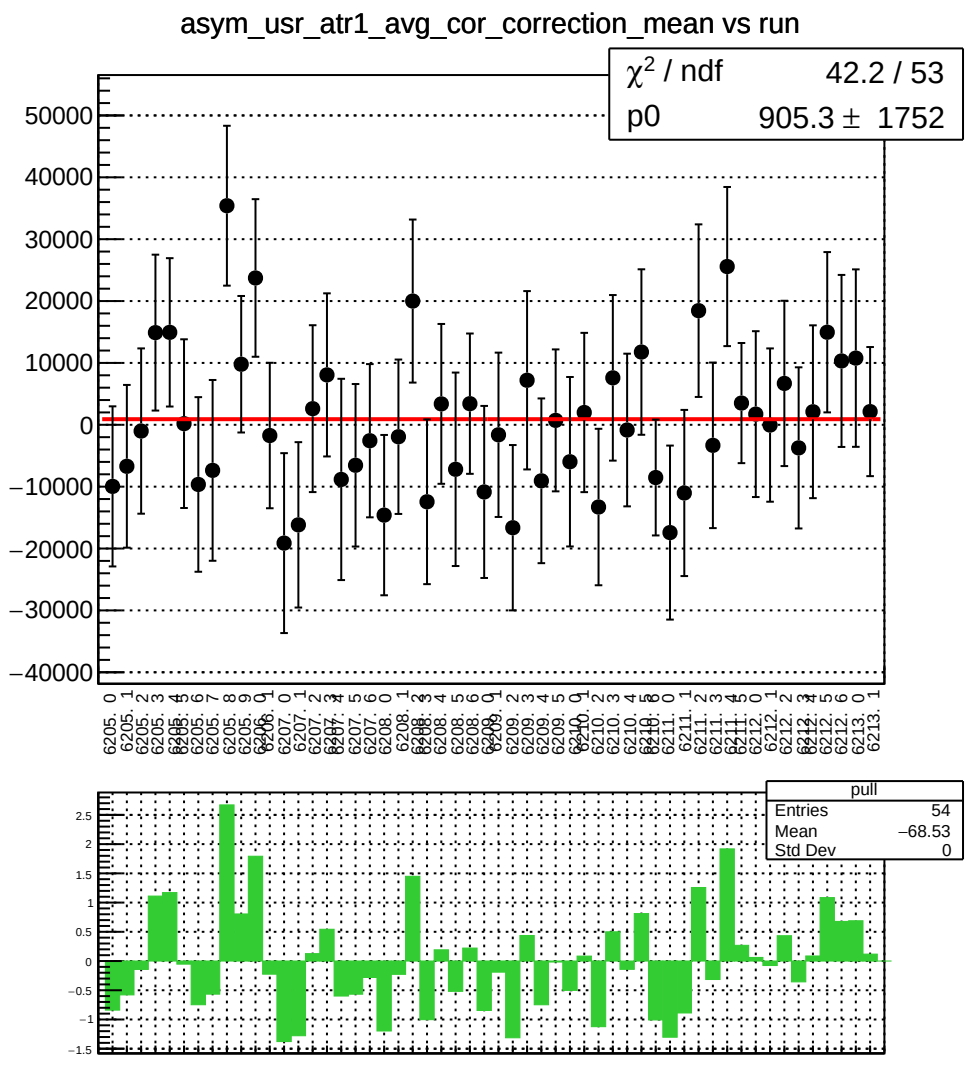

pull1D
Entries 54
Mean −0.009624
Std Dev 0.8839

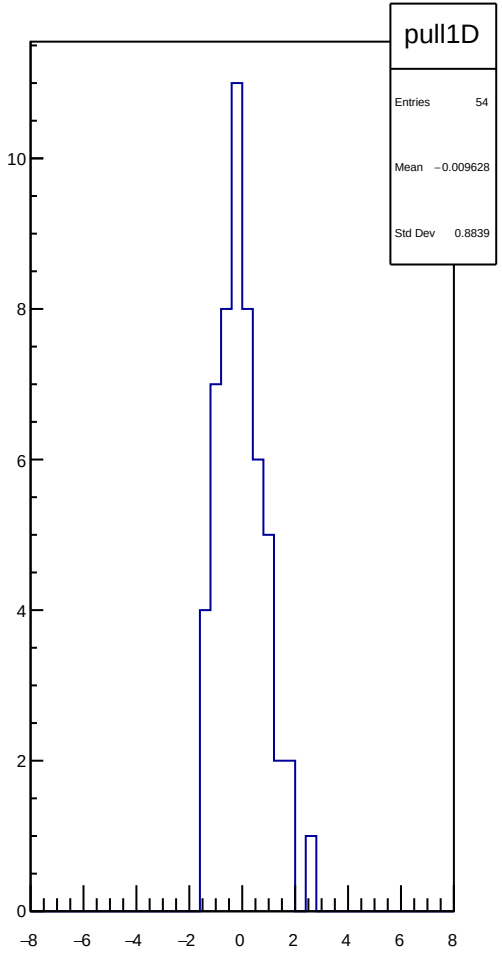

asym_usr_atr1_avg_reg_correction_rms vs run
χ² / ndf 2861 / 53
p0 1273 ± 1.239
1500
1400
1300
1200
1100
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

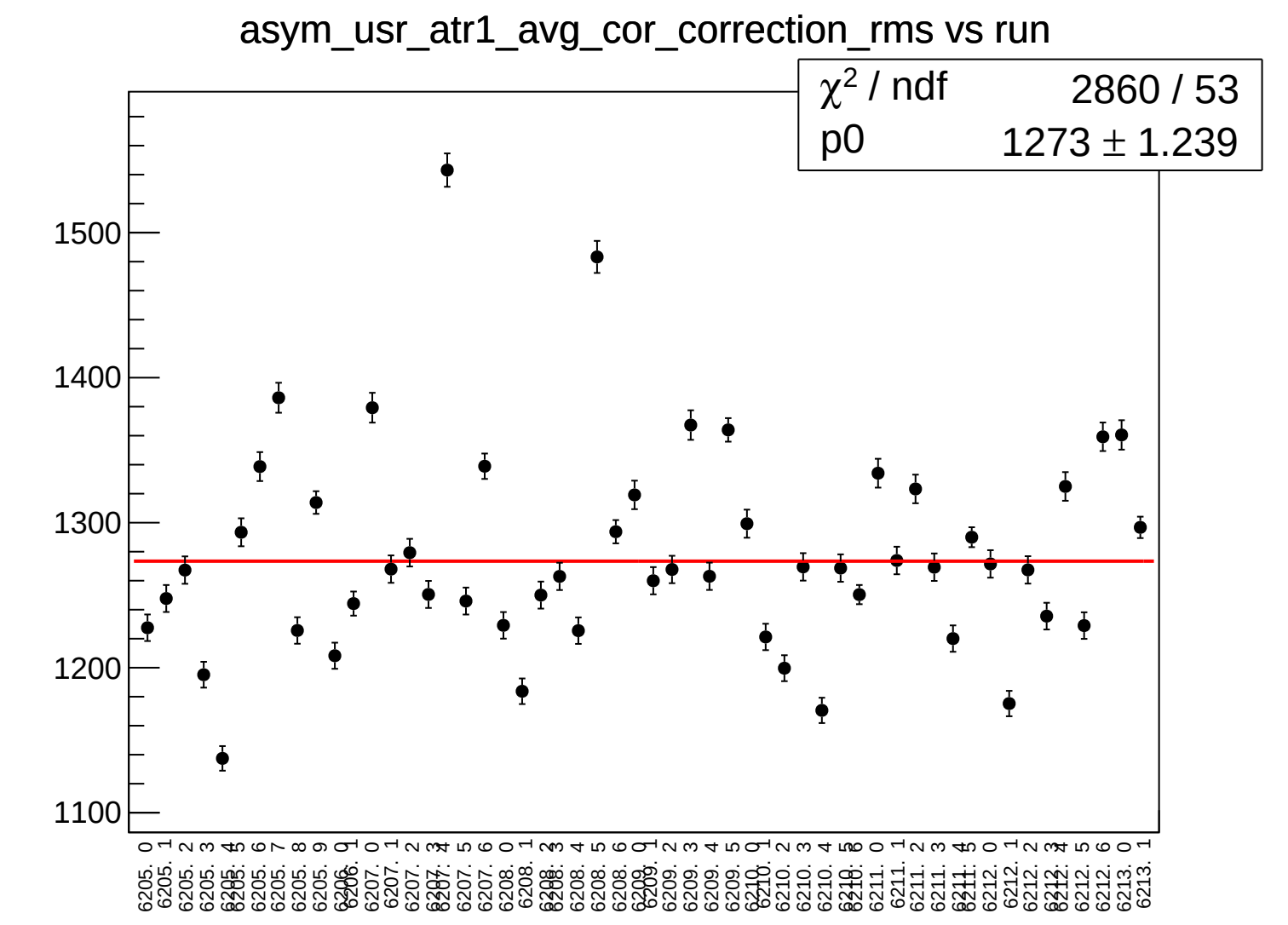

cor_asym_usr_atr1_avg_mean vs run
χ² / ndf 57.25 / 53
p0 503.2 ± 2331
pull
Entries 54
Mean 169.7
Std Dev 0

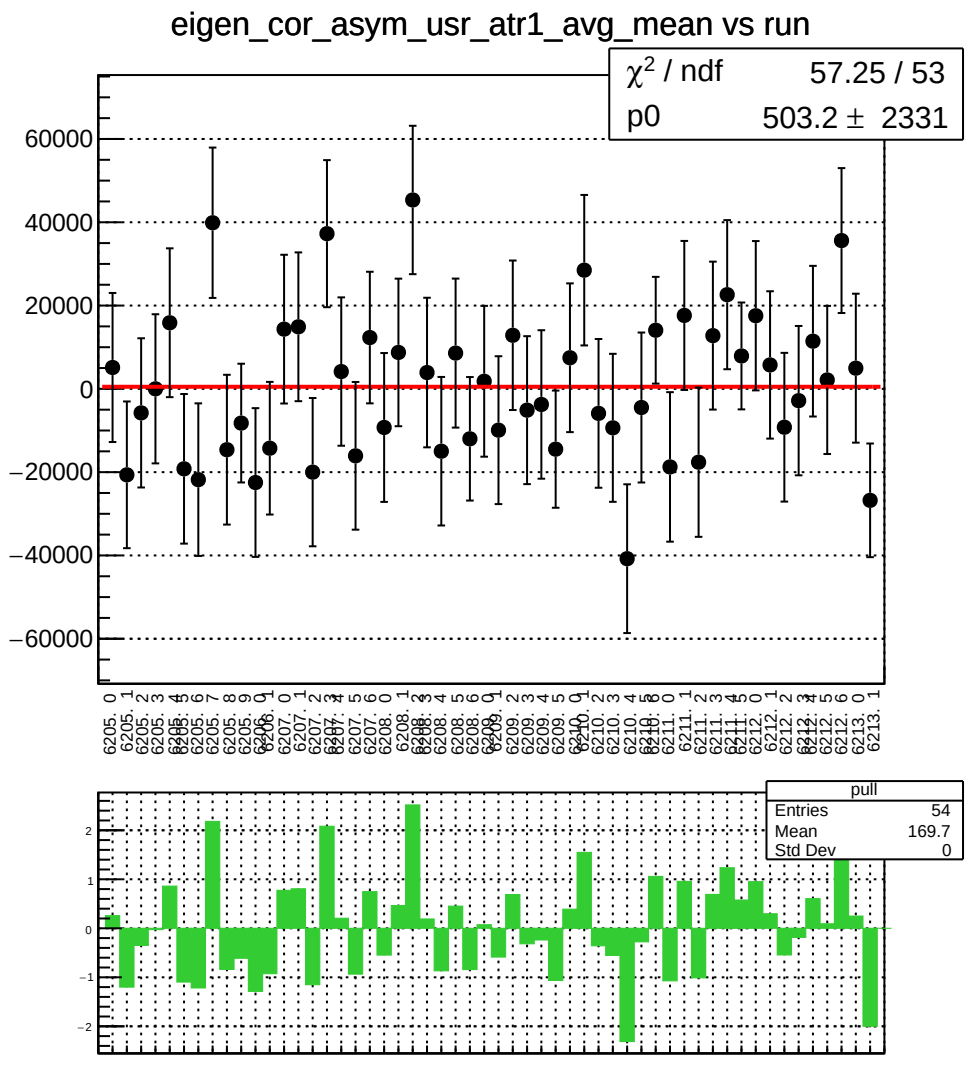

pull1D
Entries 54
Mean 0.01026
Std Dev 1.03

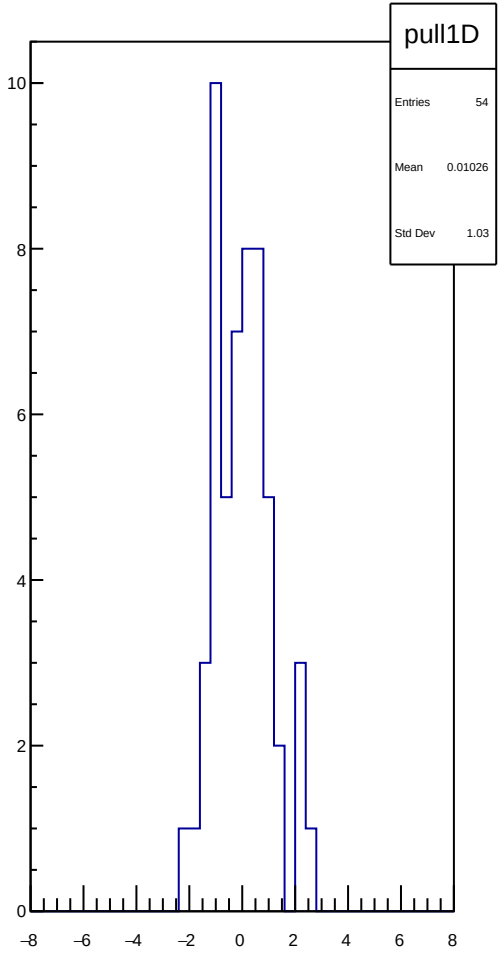

cor_asym_usr_atr1_avg_rms vs run
χ² / ndf 51.27 / 53
p0 1696 ± 1.648
1760
1740
1720
1700
1680
1660
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

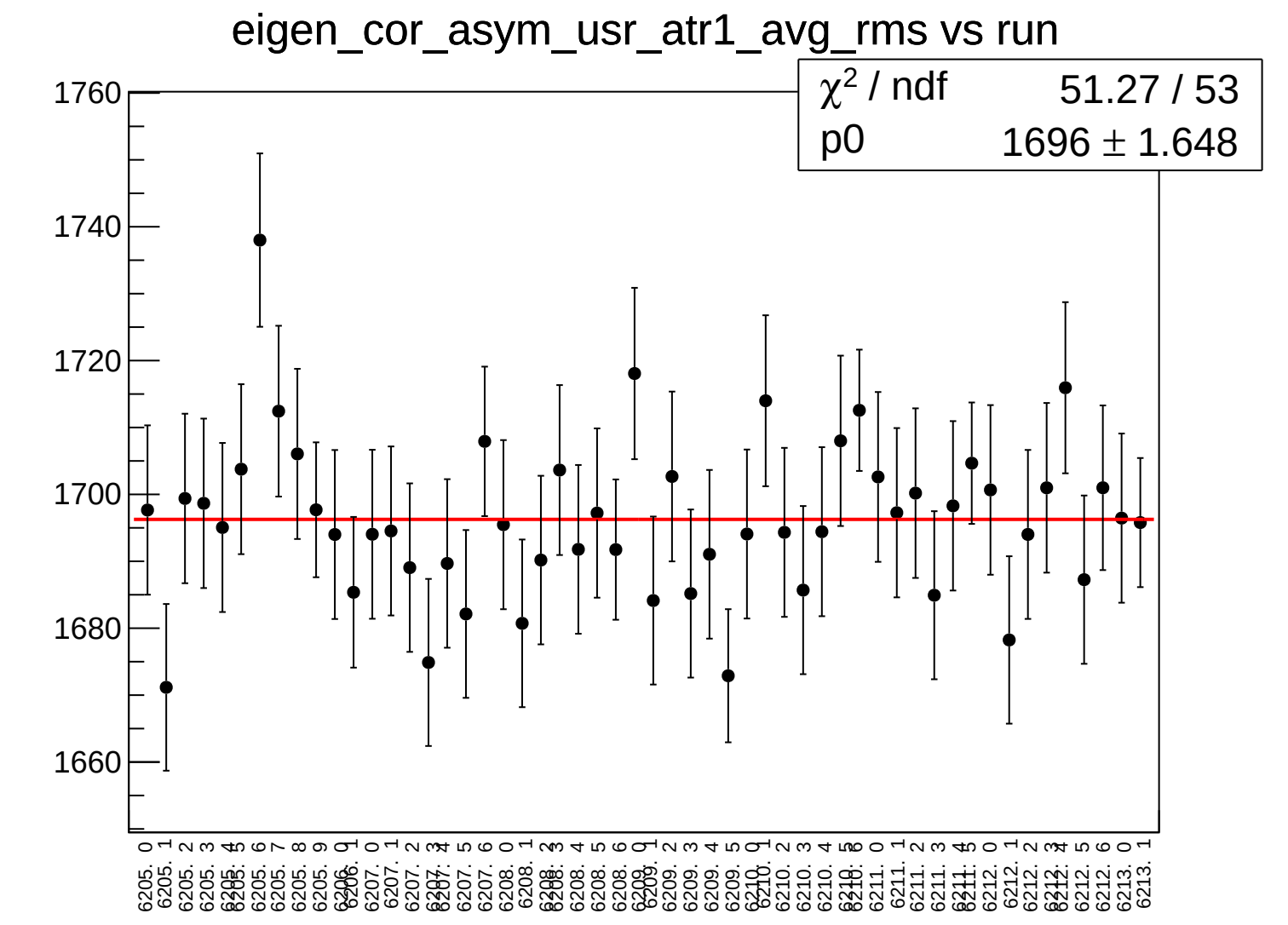

asym_usr_atr1_avg_cor_correction_mean vs run
χ² / ndf 42.2 / 53
p0 905.3 ± 1752
pull
Entries 54
Mean −68.53
Std Dev 0

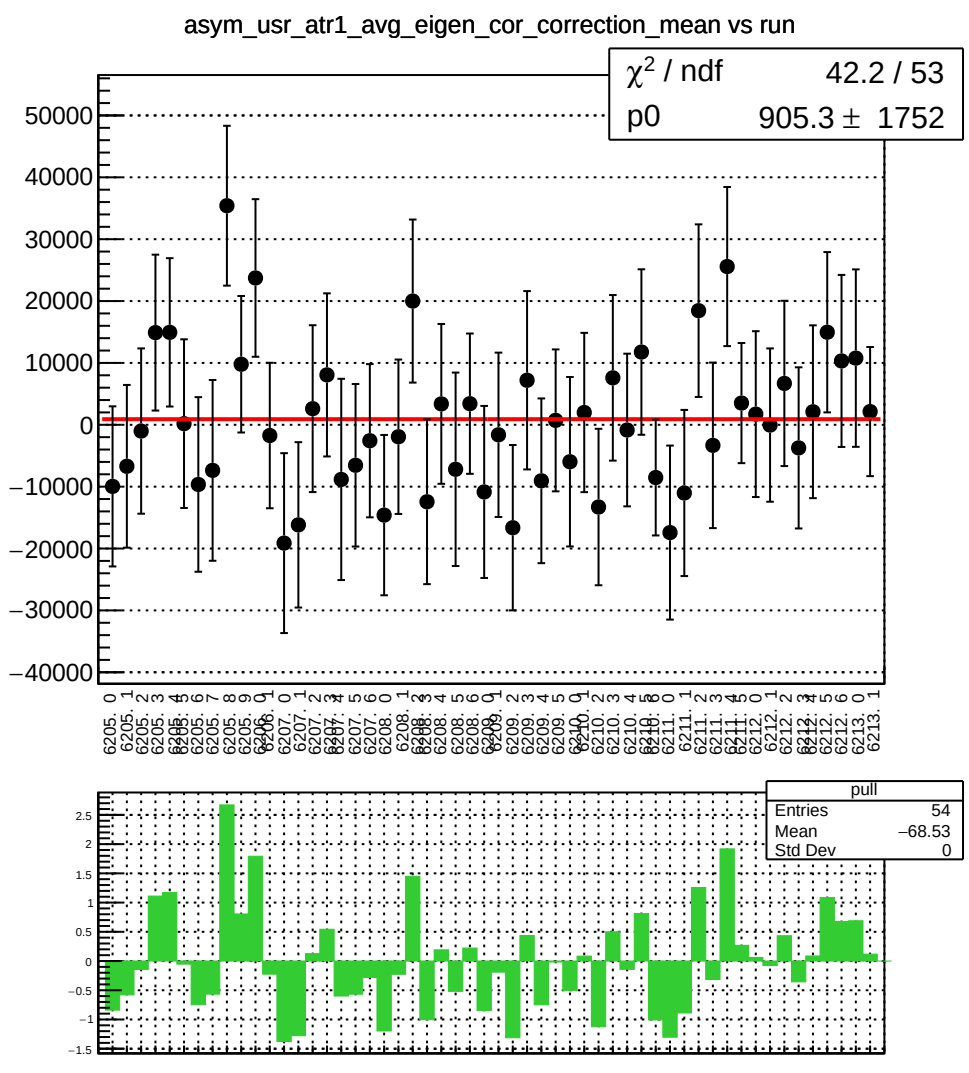

pull1D
Entries 54
Mean −0.009628
Std Dev 0.8839

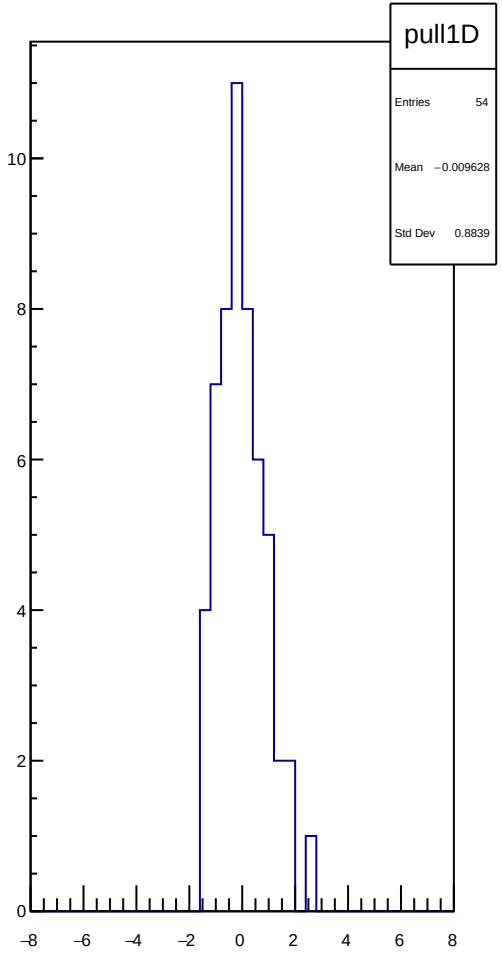

asym_usr_atr1_avg_cor_correction_rms vs run
χ² / ndf 2860 / 53
p0 1273 ± 1.239
1500
1400
1300
1200
1100
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

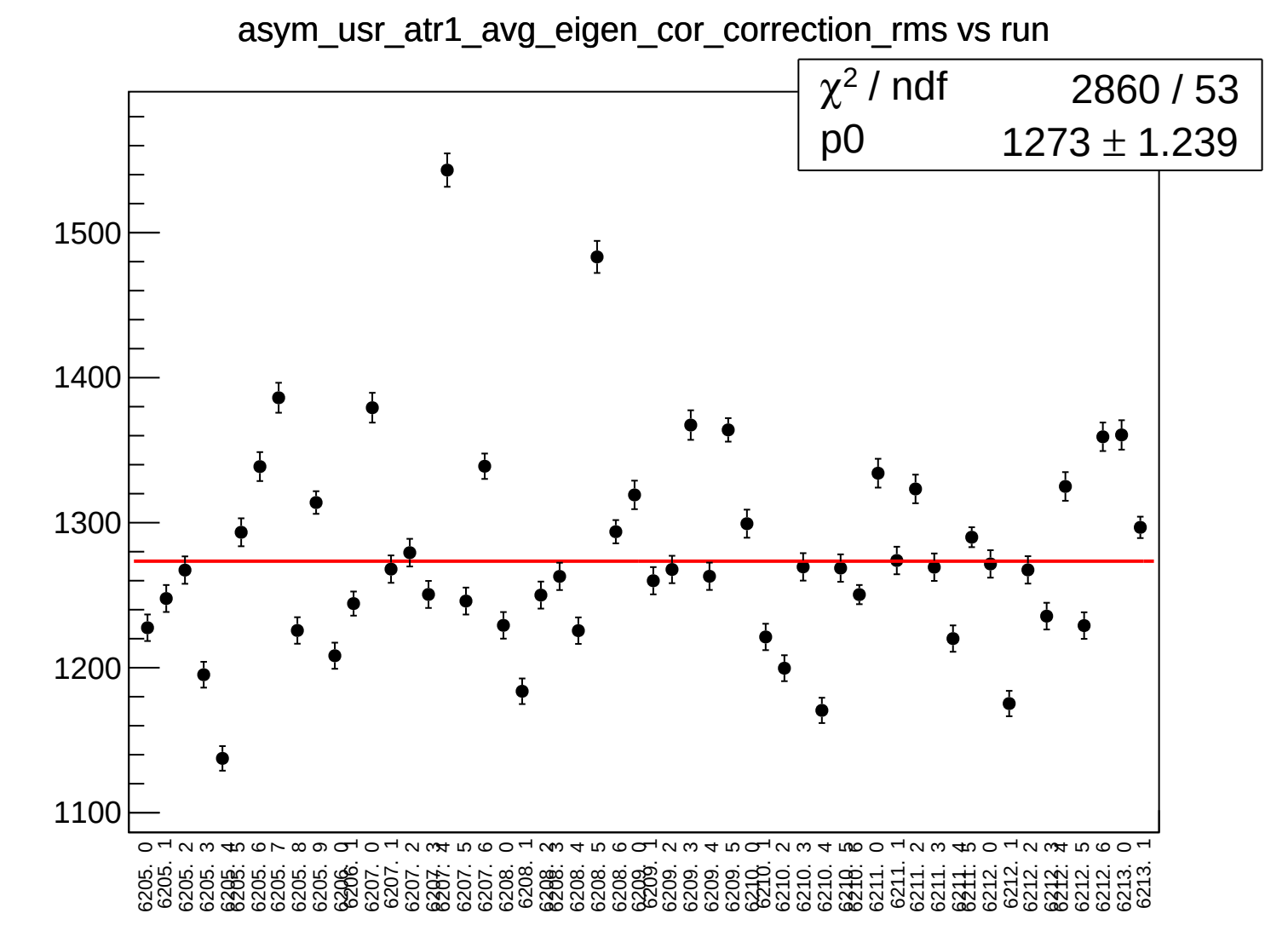

eigen_cor_asym_usr_atr1_avg_mean vs run
χ² / ndf 57.25 / 53
p0 503.2 ± 2331
pull
Entries 54
Mean 169.7
Std Dev 0

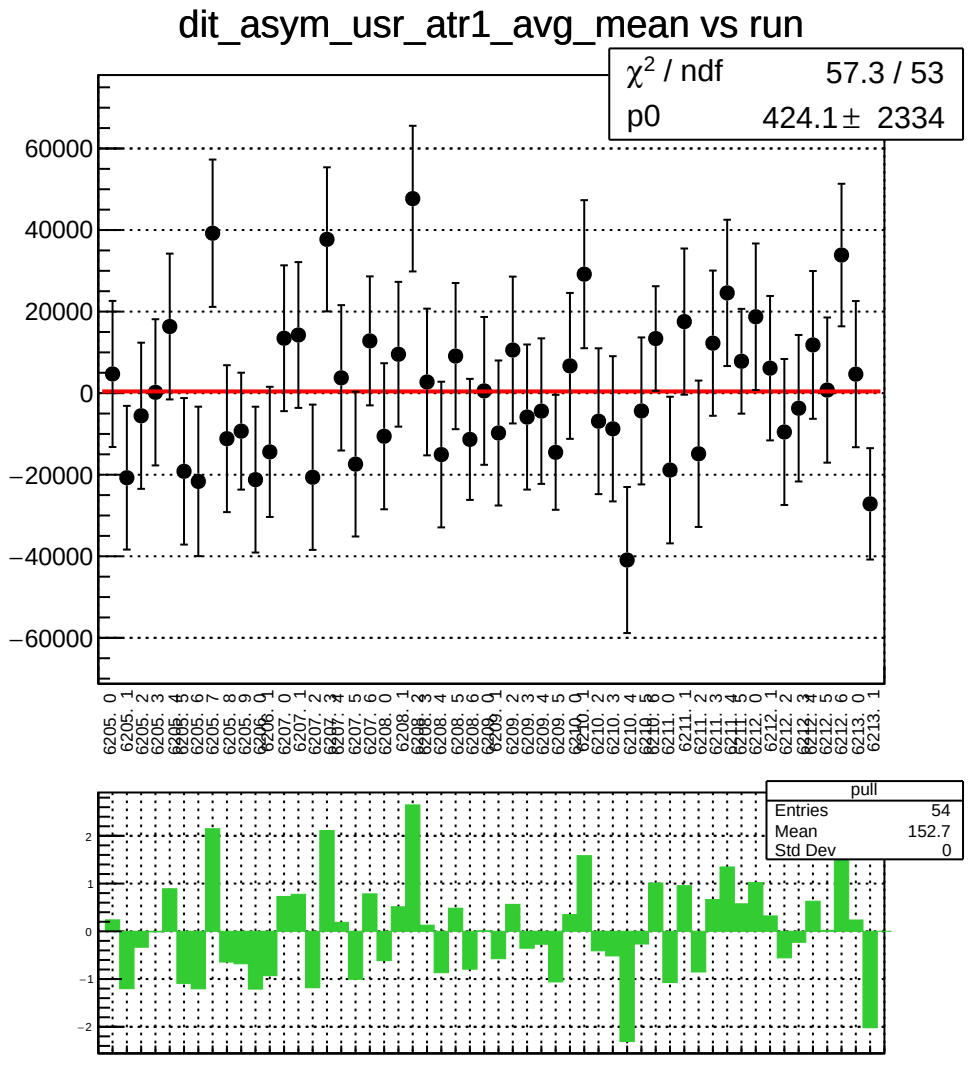

pull1D
Entries 54
Mean 0.01026
Std Dev 1.03

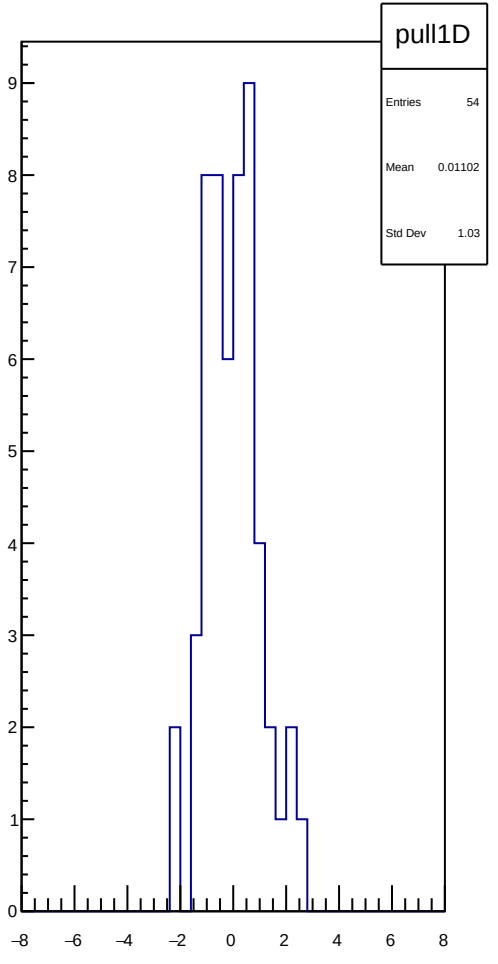

eigen_cor_asym_usr_atr1_avg_rms vs run
χ² / ndf 51.27 / 53
p0 1696 ± 1.648
1760
1740
1720
1700
1680
1660
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

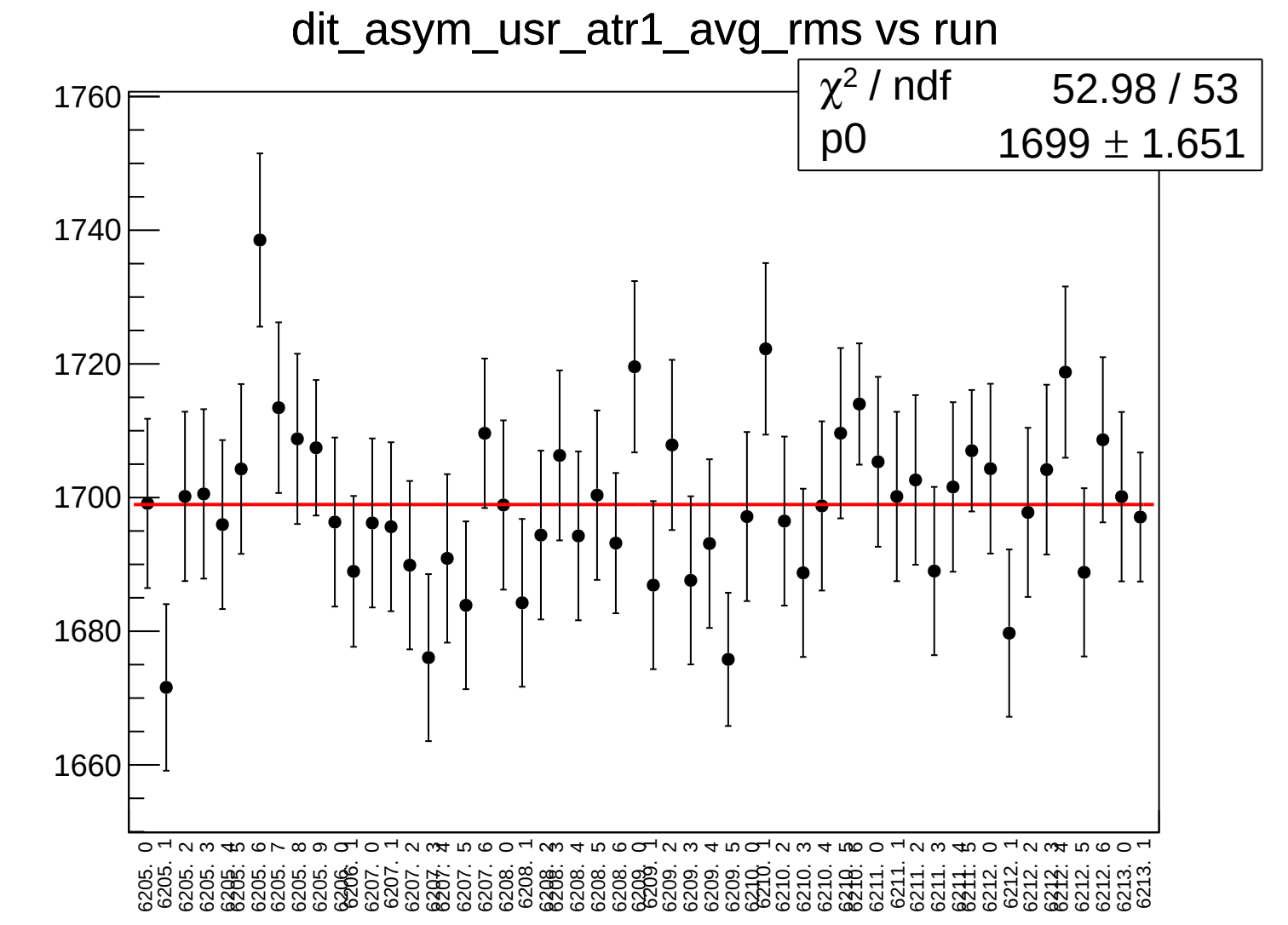

asym_usr_atr1_avg_eigen_cor_correction_mean vs run
χ² / ndf 42.2 / 53
p0 905.3 ± 1752
pull
Entries 54
Mean −68.53
Std Dev 0

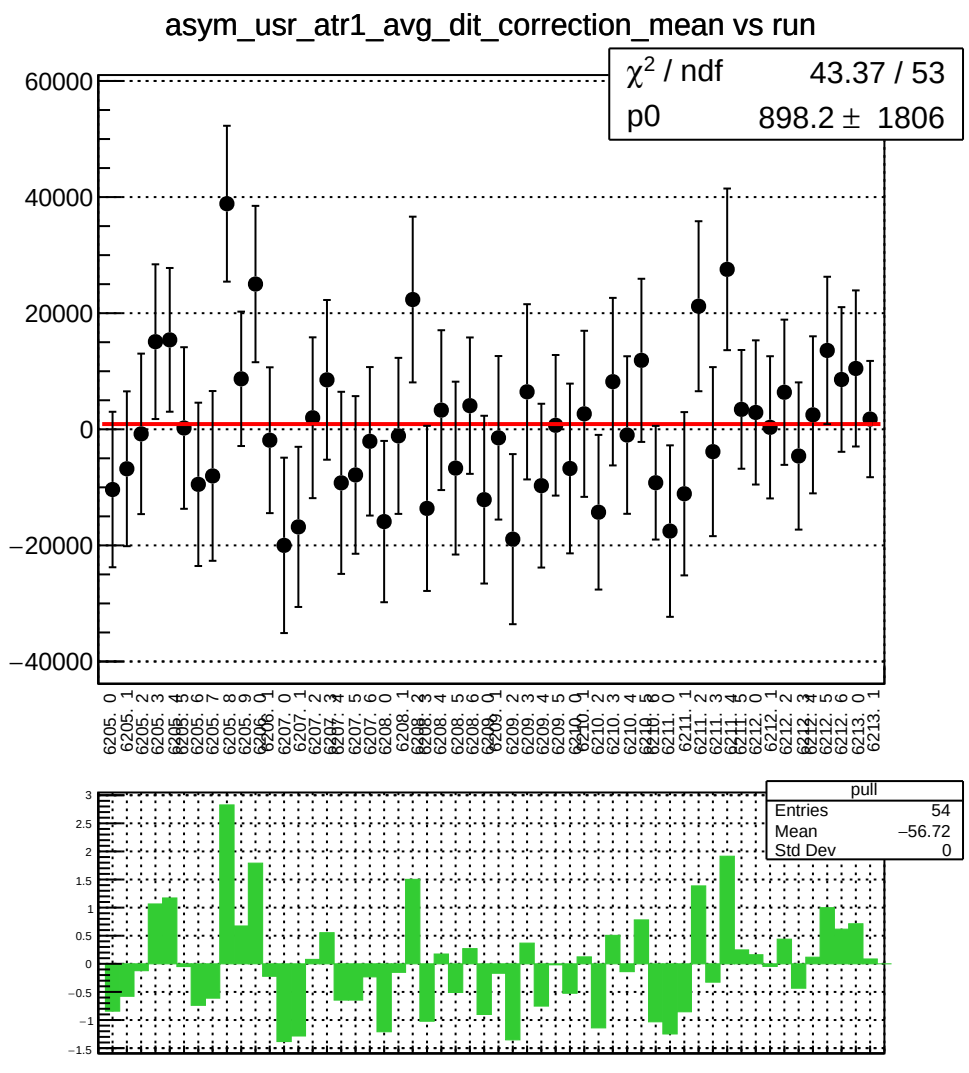

pull1D
Entries 54
Mean −0.009628
Std Dev 0.8839

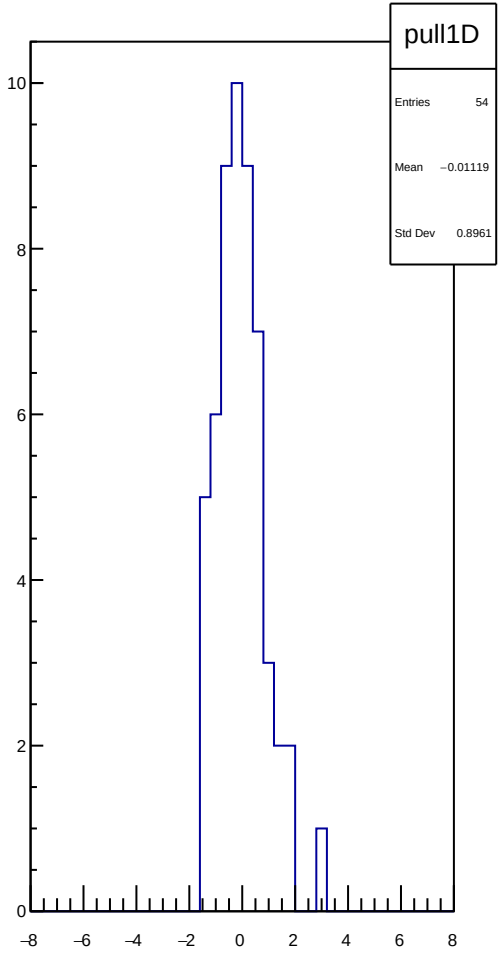

asym_usr_atr1_avg_eigen_cor_correction_rms vs run
χ² / ndf 2860 / 53
p0 1273 ± 1.239
1500
1400
1300
1200
1100
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

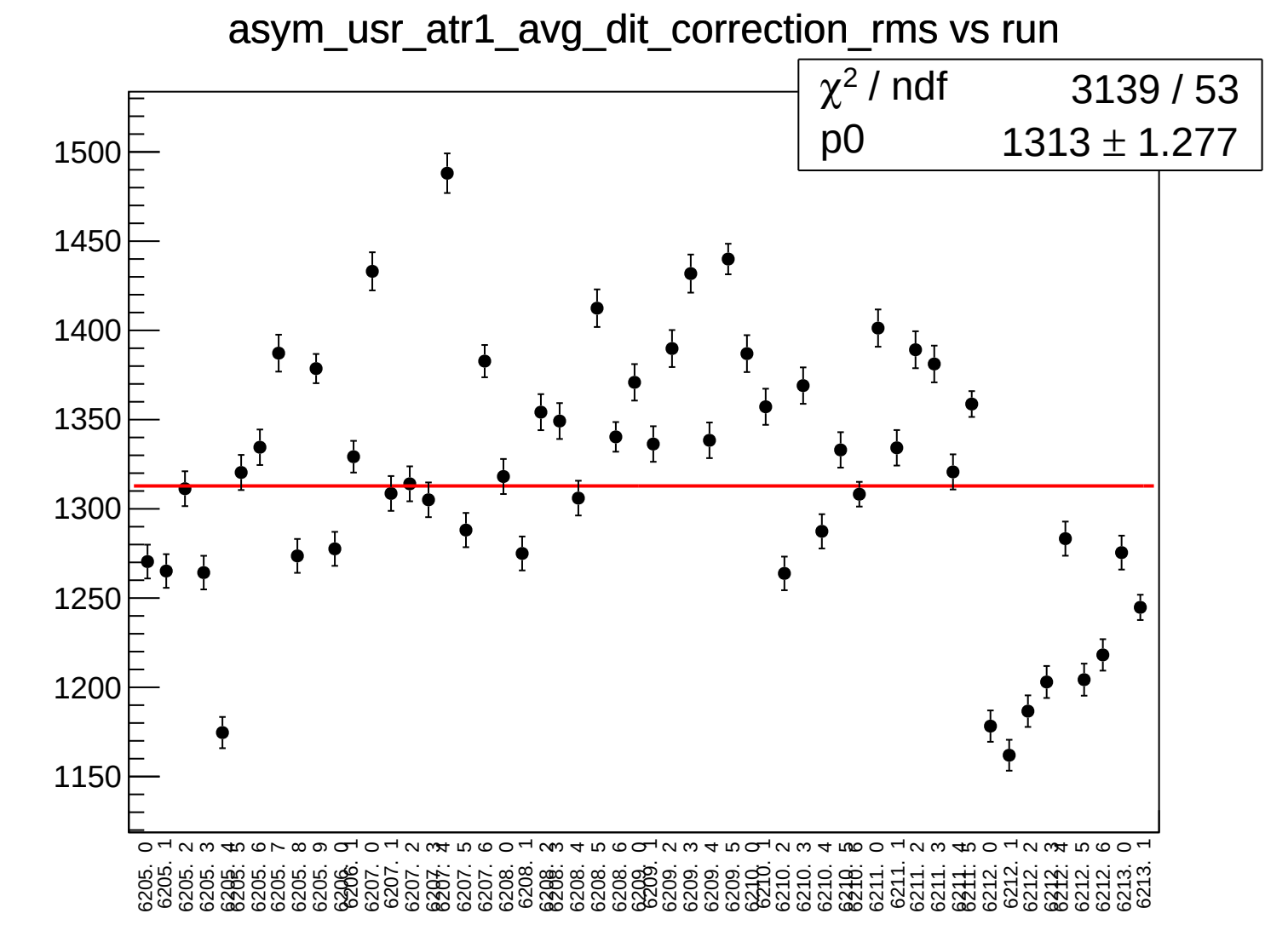

dit_asym_usr_atr1_avg_mean vs run
χ² / ndf 57.3 / 53
p0 424.1 ± 2334
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 152.7
Std Dev 0
2
1
0
−1
−2

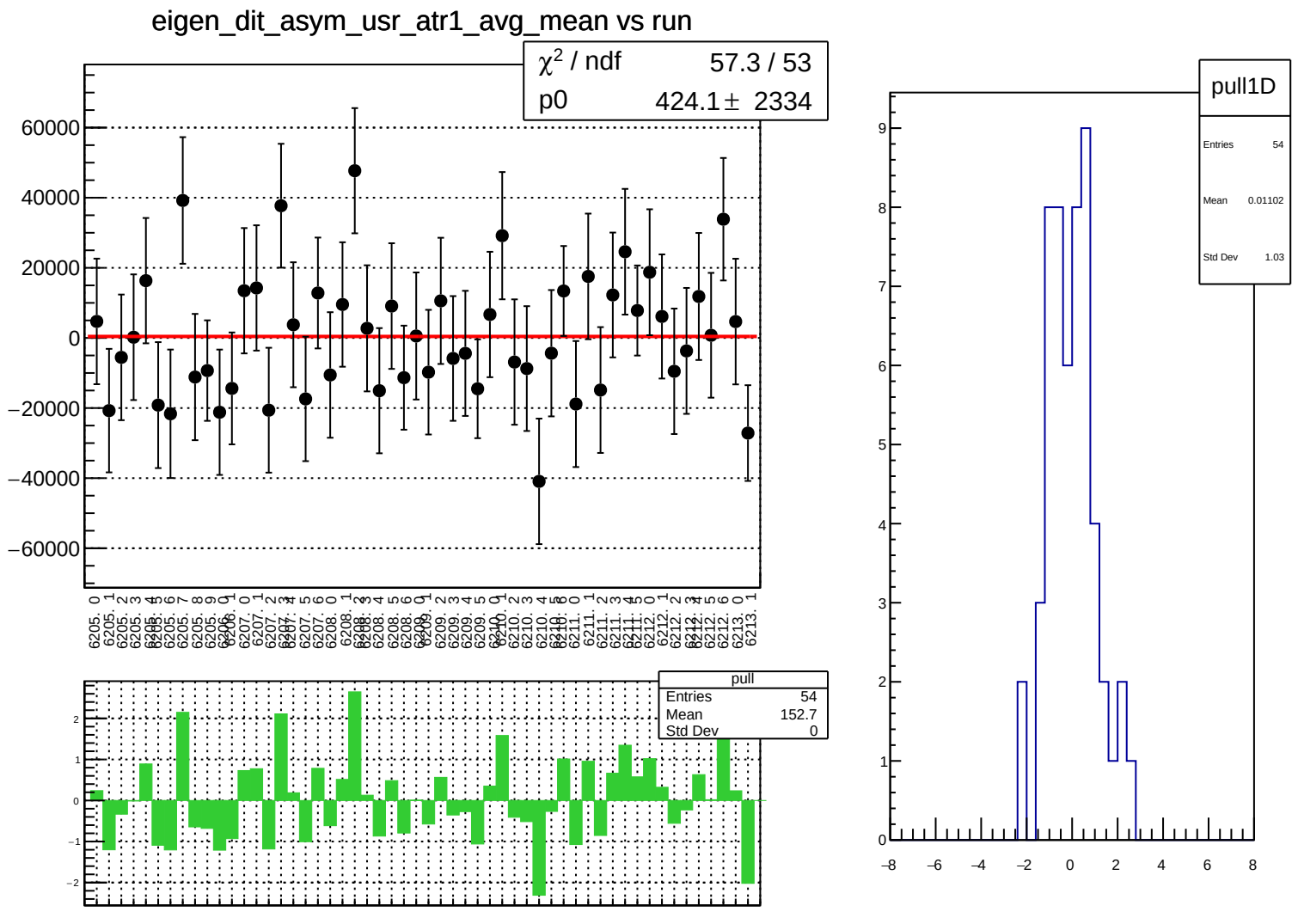

pull1D
Entries 54
Mean 0.01102
Std Dev 1.03
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

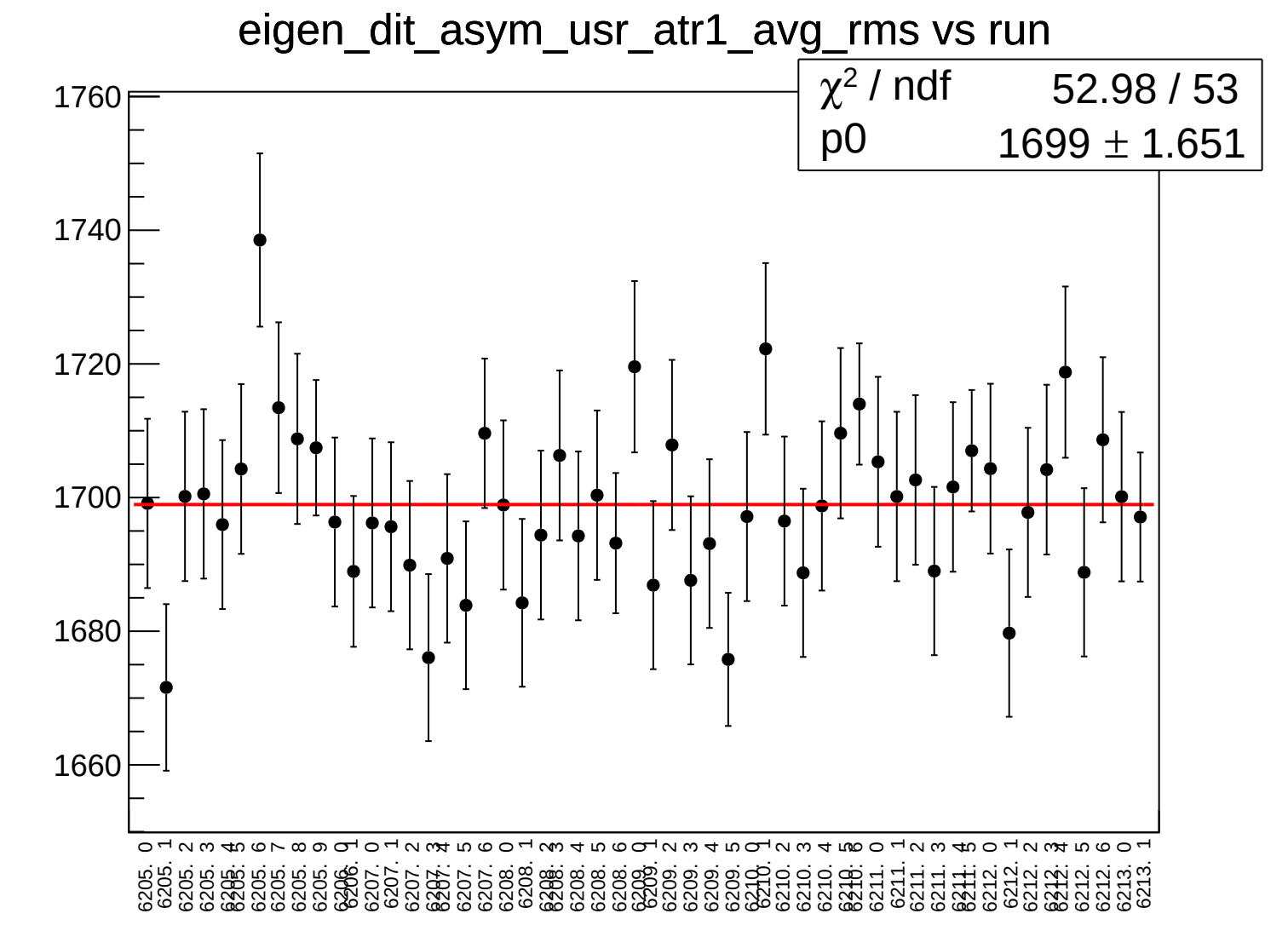

dit_asym_usr_atr1_avg_rms vs run
χ² / ndf 52.98 / 53
p0 1699 ± 1.651
1760
1740
1720
1700
1680
1660
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

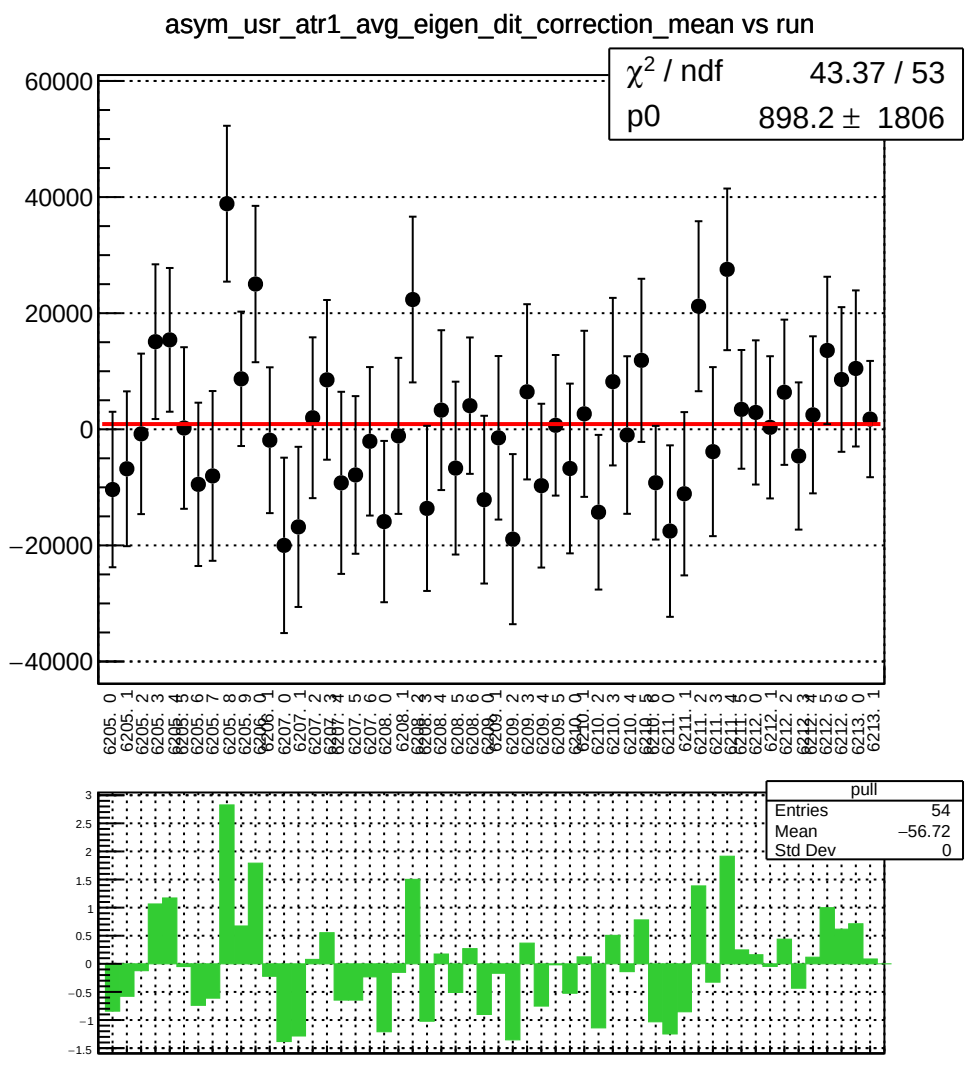

asym_usr_atr1_avg_dit_correction_mean vs run
χ² / ndf 43.37 / 53
p0 898.2 ± 1806
pull
Entries 54
Mean −56.72
Std Dev 0

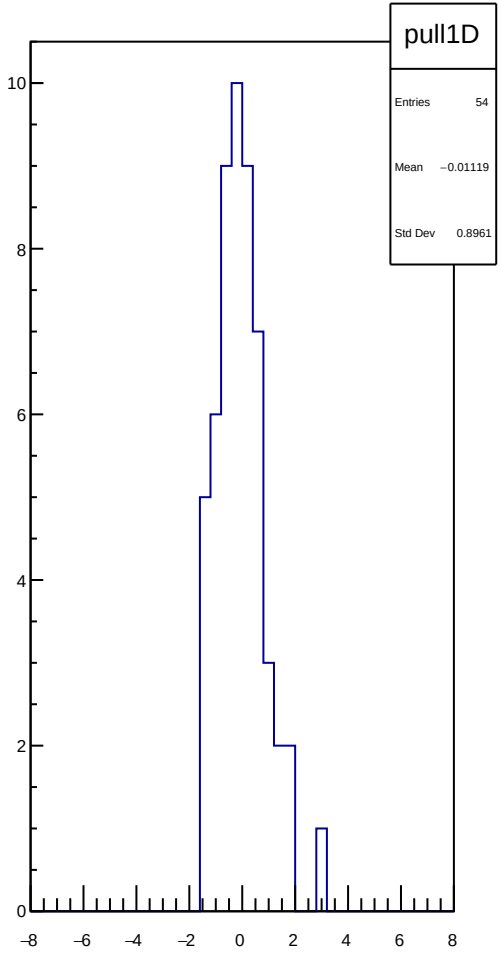

pull1D
Entries 54
Mean −0.01119
Std Dev 0.8961

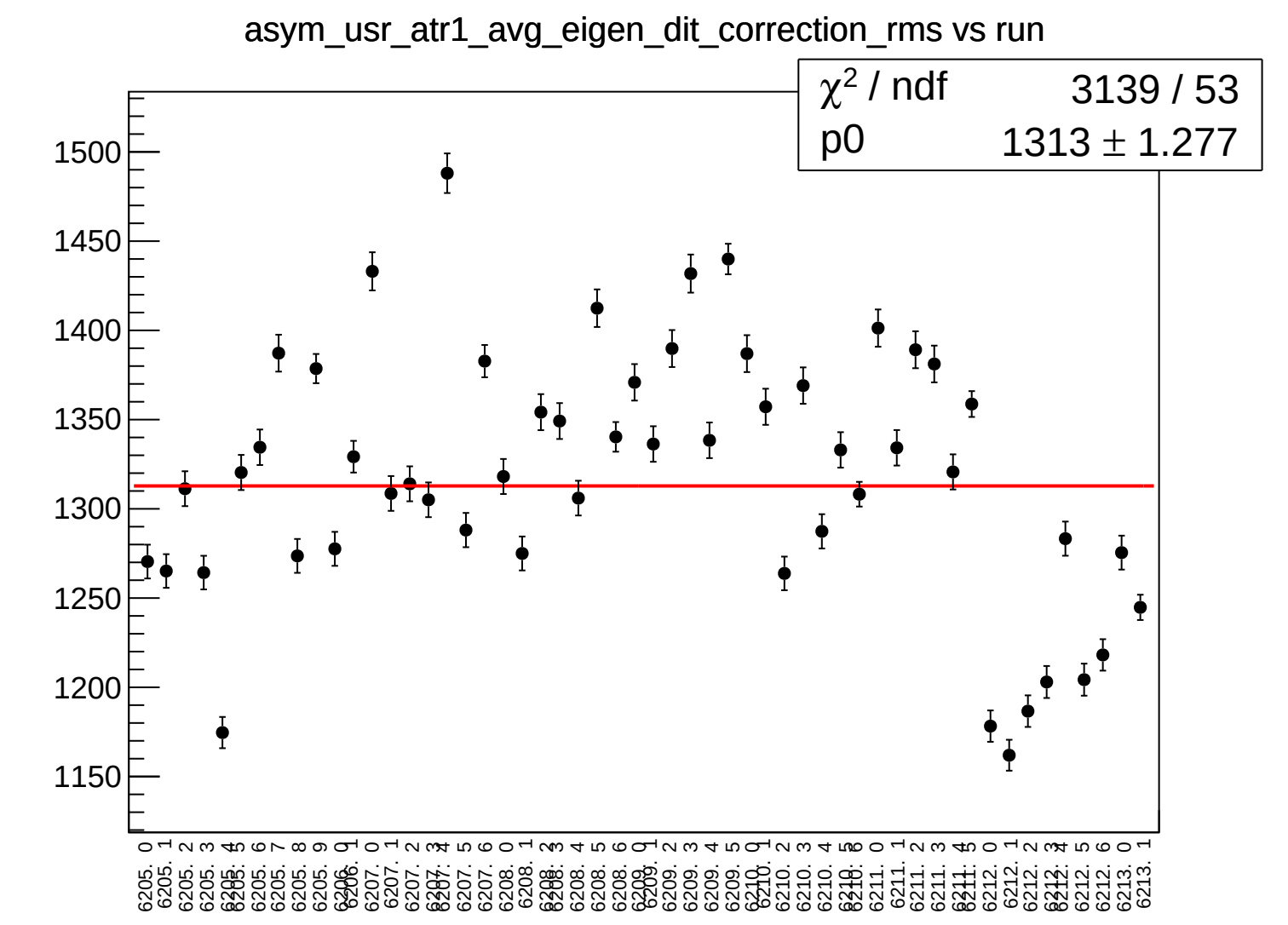

asym_usr_atr1_avg_dit_correction_rms vs run
χ² / ndf 3139 / 53
p0 1313 ± 1.277
1500
1450
1400
1350
1300
1250
1200
1150
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

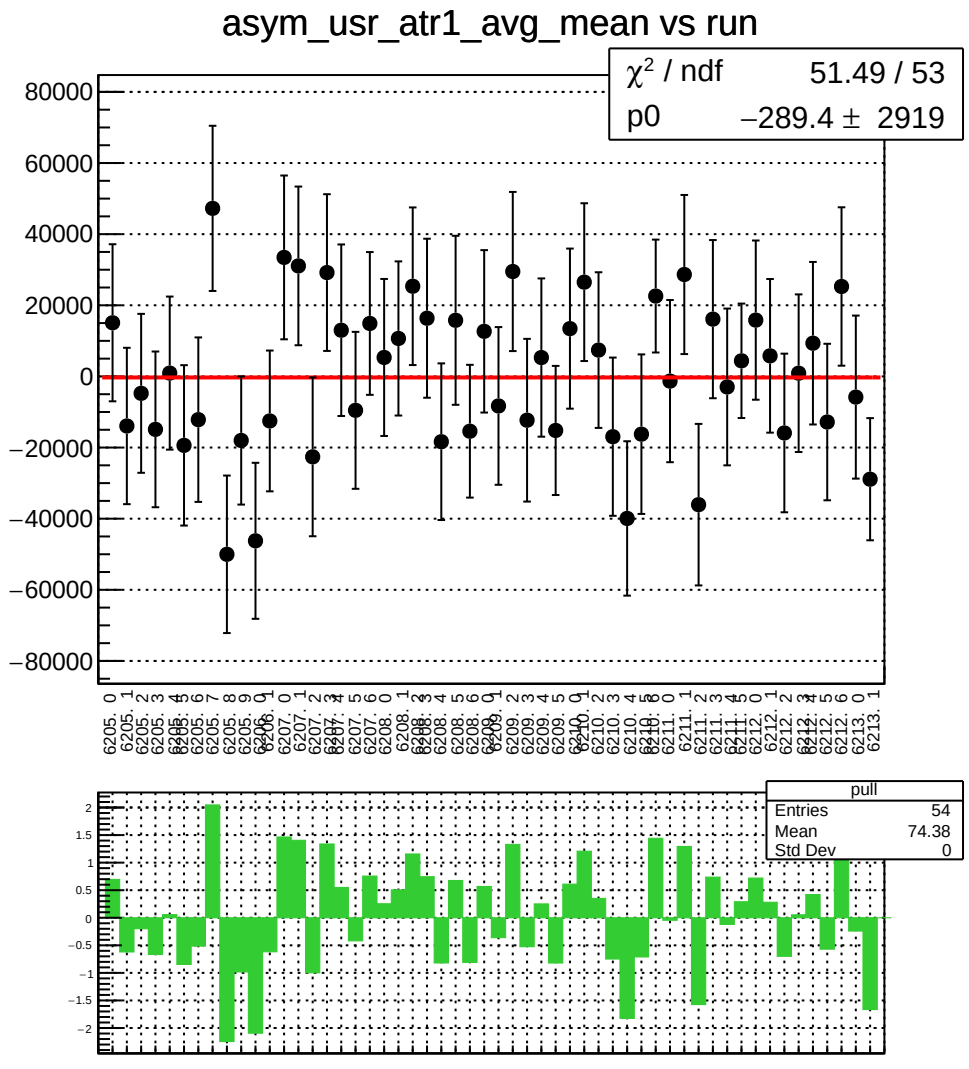

eigen_dit_asym_usr_atr1_avg_mean vs run
χ² / ndf 57.3 / 53
p0 424.1 ± 2334
pull
Entries 54
Mean 152.7
Std Dev 0
pull1D
Entries 54
Mean 0.01102
Std Dev 1.03

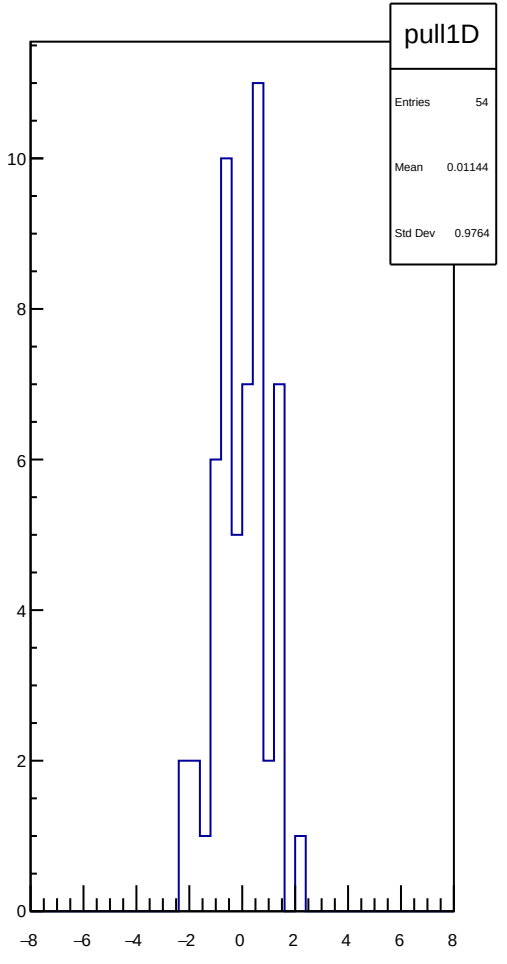

eigen_dit_asym_usr_atr1_avg_rms vs run
χ² / ndf 52.98 / 53
p0 1699 ± 1.651
1760
1740
1720
1700
1680
1660
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

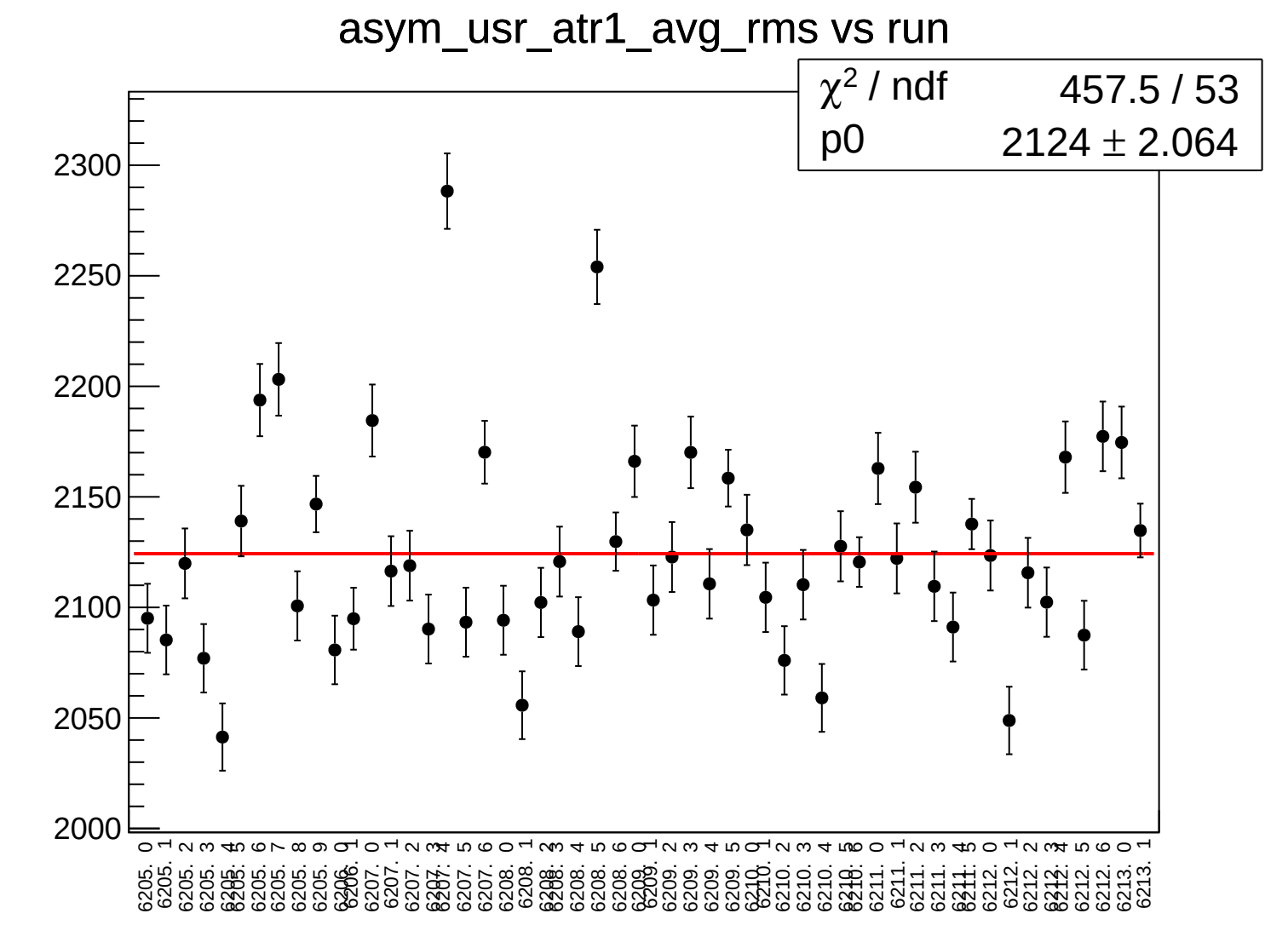

asym_usr_atr1_avg_eigen_dit_correction_mean vs run
χ² / ndf 43.37 / 53
p0 898.2 ± 1806
pull
Entries 54
Mean −56.72
Std Dev 0

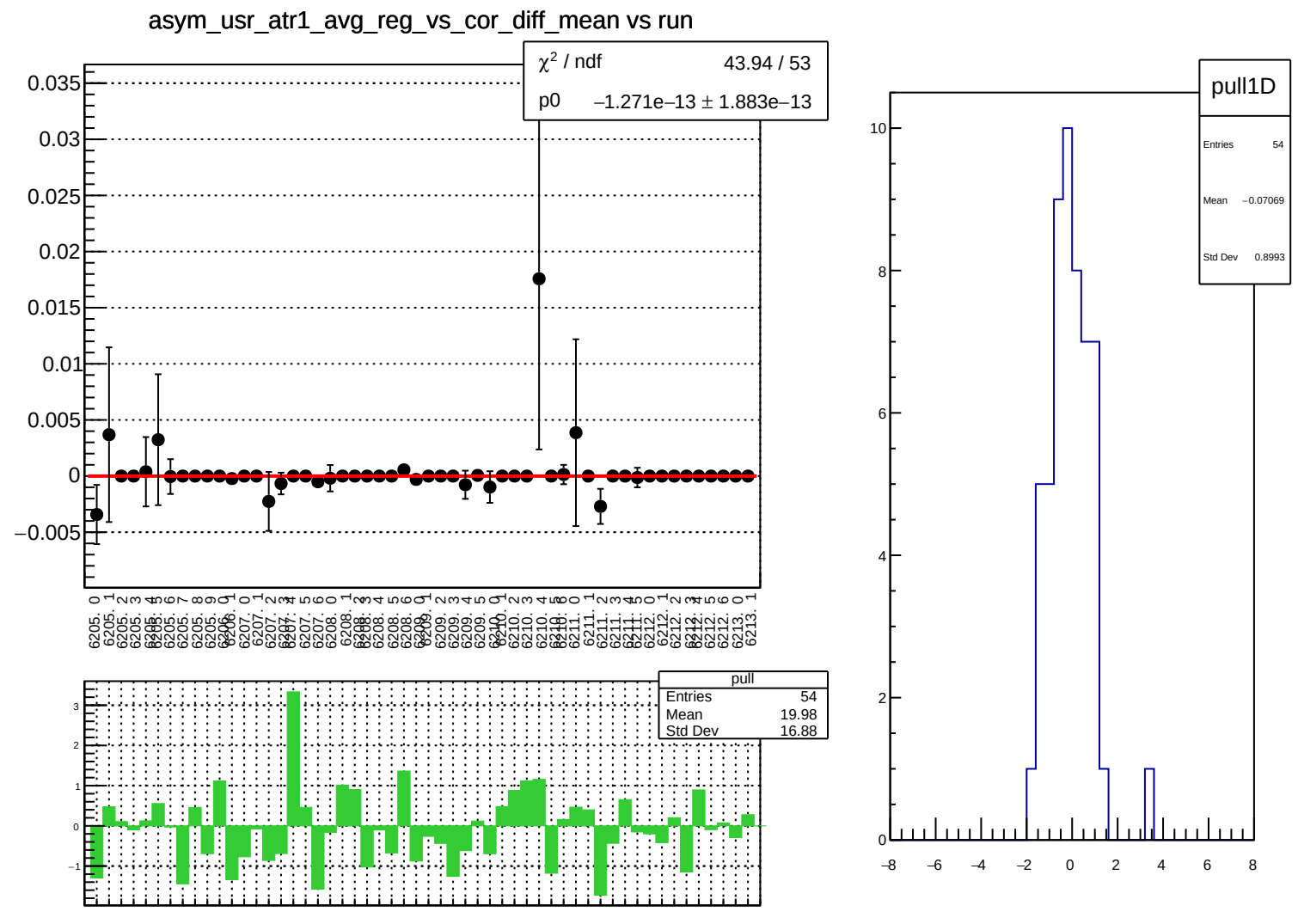

pull1D
Entries 54
Mean −0.01119
Std Dev 0.8961

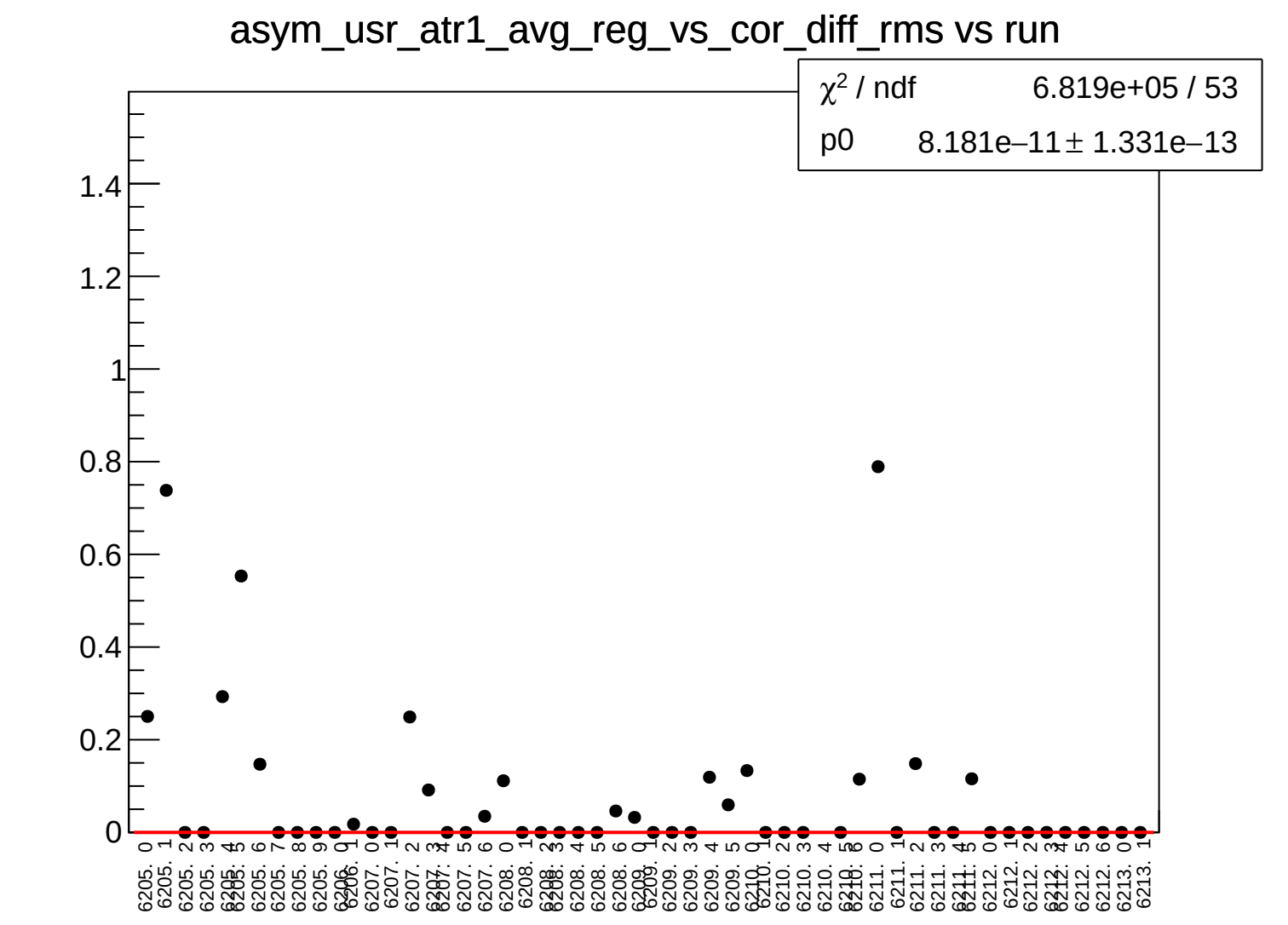

asym_usr_atr1_avg_eigen_dit_correction_rms vs run
χ² / ndf 3139 / 53
p0 1313 ± 1.277
1500
1450
1400
1350
1300
1250
1200
1150
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

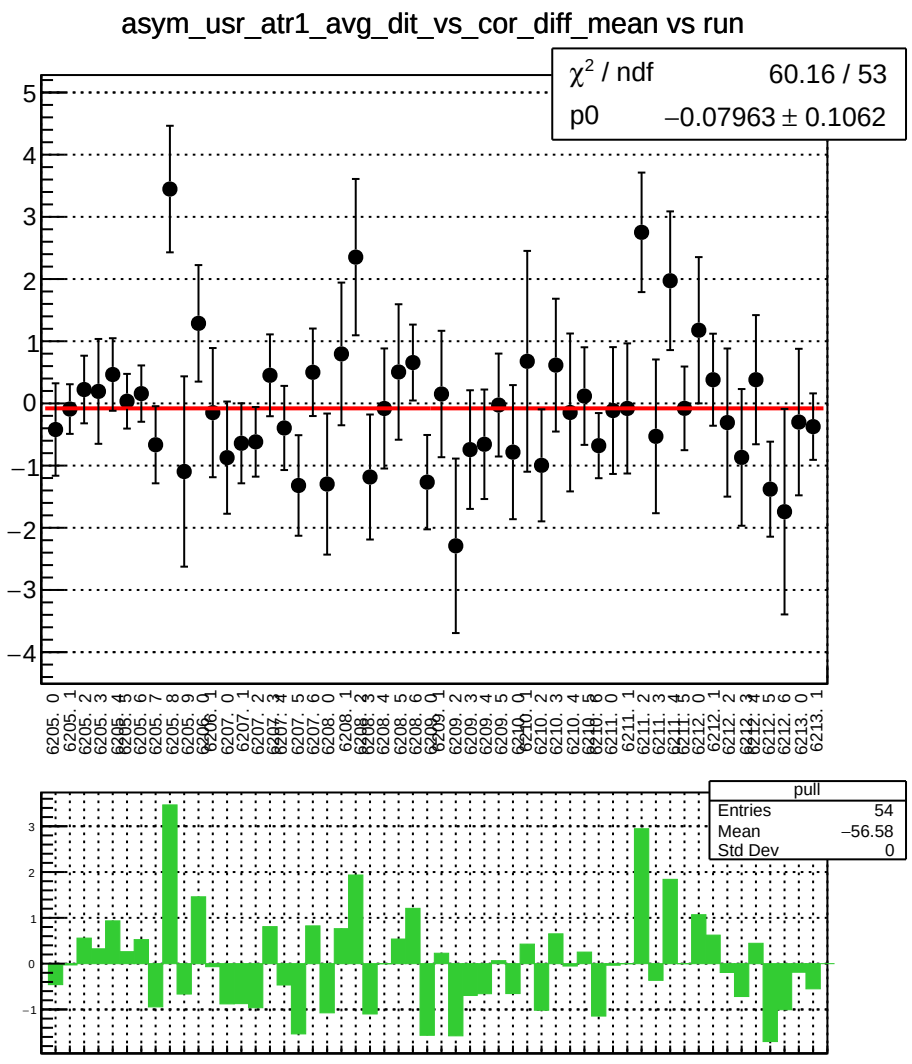

asym_usr_atr1_avg_mean vs run
χ² / ndf 51.49 / 53
p0 −289.4 ± 2919
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 54
Mean 74.38
Std Dev 0

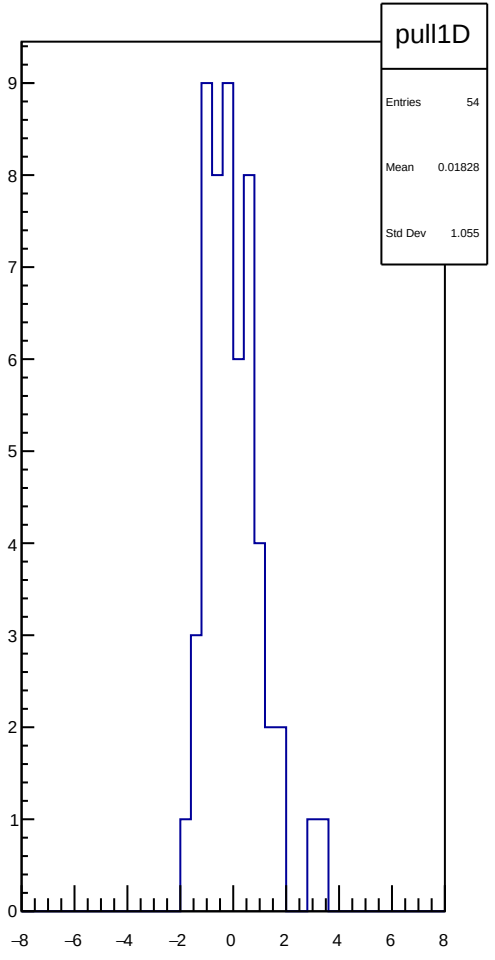

pull1D
Entries 54
Mean 0.01144
Std Dev 0.9764

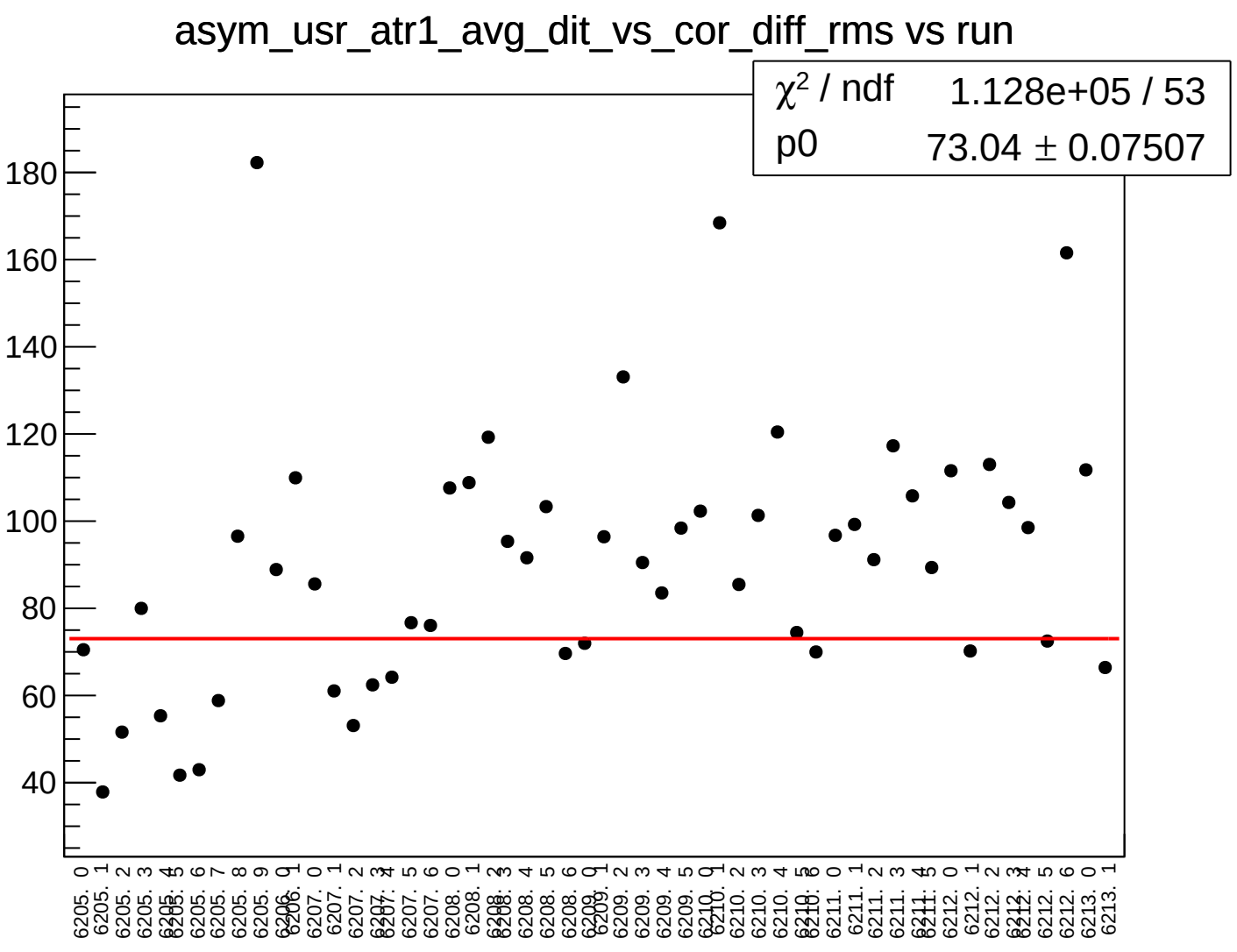

asym_usr_atr1_avg_rms vs run
χ² / ndf 457.5 / 53
p0 2124 ± 2.064
2300
2250
2200
2150
2100
2050
2000
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

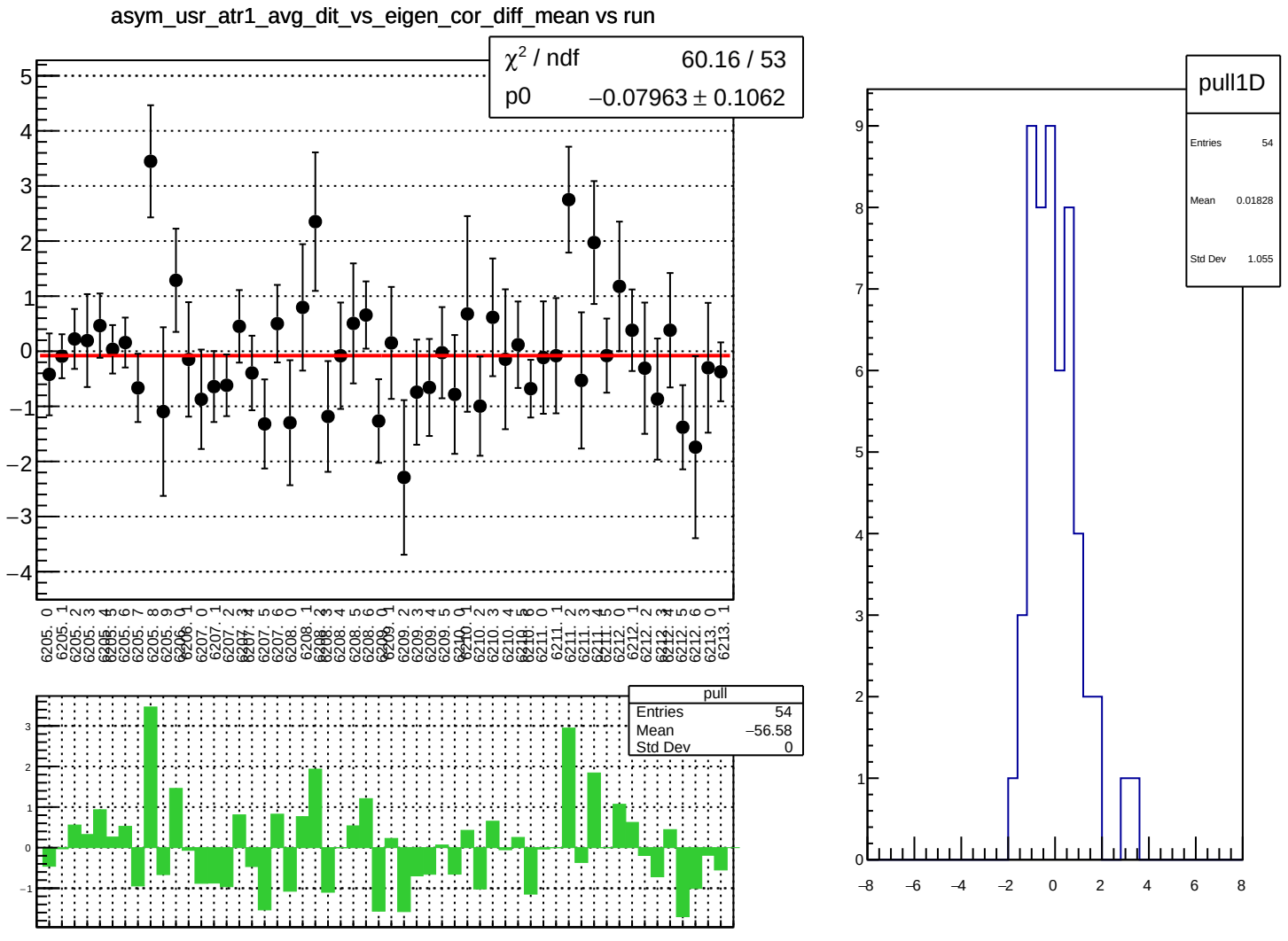

asym_usr_atr1_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 43.94 / 53
p0 −1.271e−13 ± 1.883e−13
pull
Entries 54
Mean 19.98
Std Dev 16.88
pull1D
Entries 54
Mean −0.07069
Std Dev 0.8993

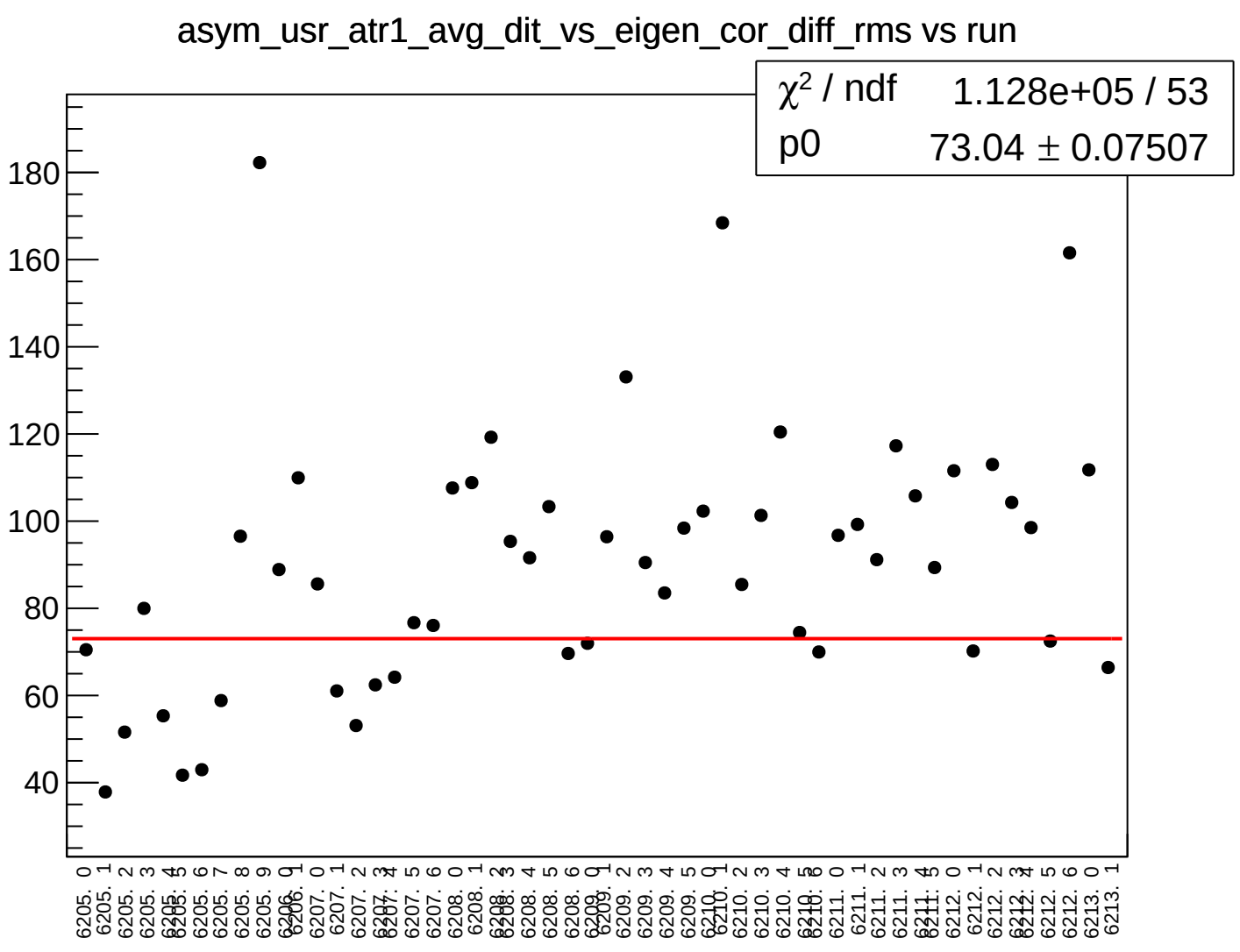

asym_usr_atr1_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.819e+05 / 53
p0 8.181e−11 ± 1.331e−13
1.4
1.2
1
0.8
0.6
0.4
0.2
0
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 5
6212. 6
6213. 0
6213. 1

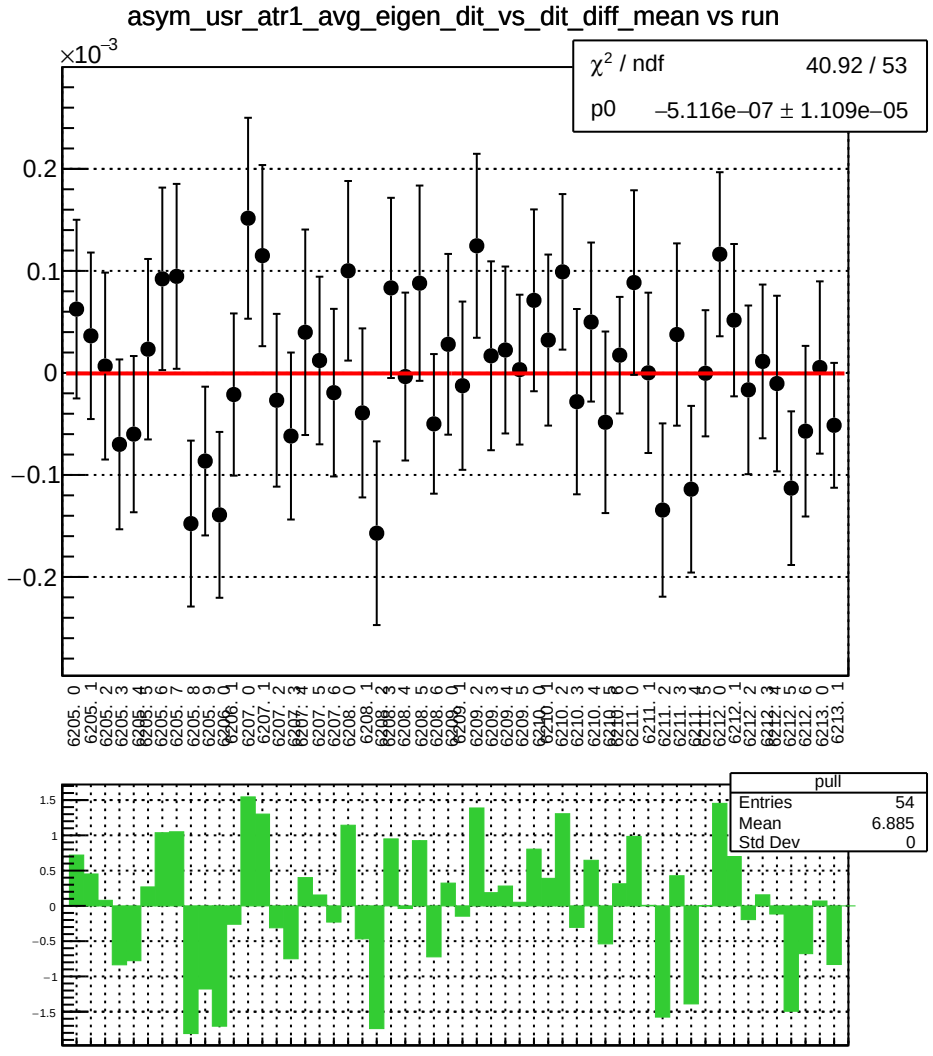

asym_usr_atr1_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 60.16 / 53
p0 −0.07963 ± 0.1062
pull
Entries 54
Mean −56.58
Std Dev 0

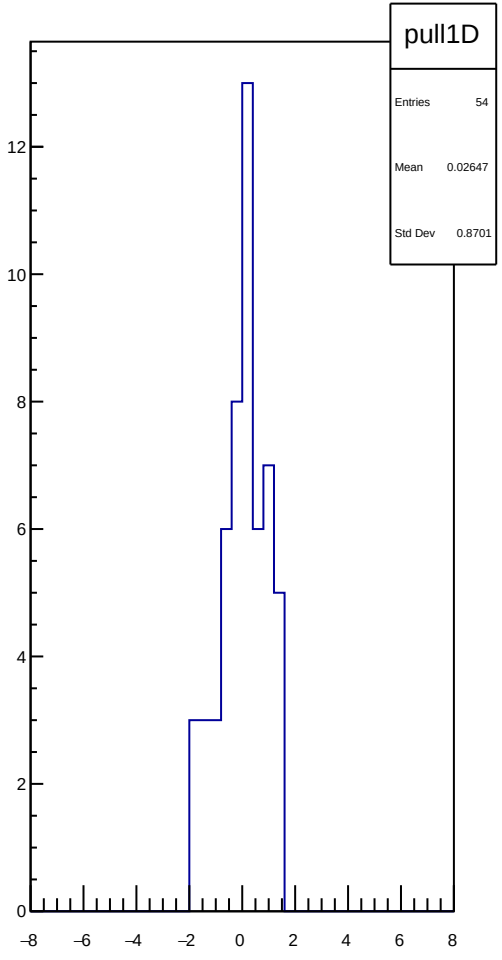

pull1D
Entries 54
Mean 0.01828
Std Dev 1.055

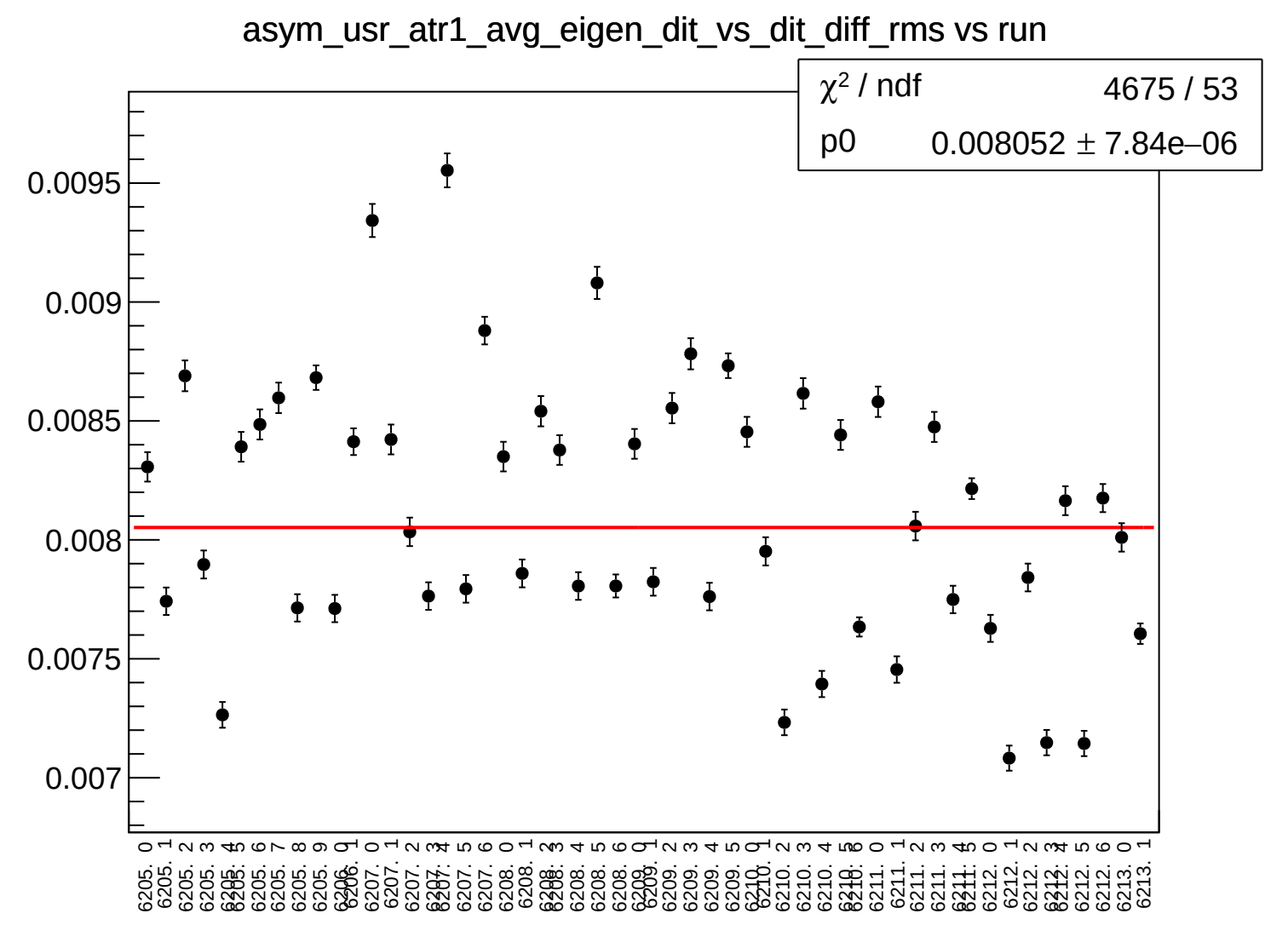

asym_usr_atr1_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.128e+05 / 53
p0 73.04 ± 0.07507
180
160
140
120
100
80
60
40
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_usr_atr1_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 60.16 / 53
p0 −0.07963 ± 0.1062
pull
Entries 54
Mean −56.58
Std Dev 0
pull1D
Entries 54
Mean 0.01828
Std Dev 1.055


asym_usr_atr1_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.128e+05 / 53
p0 73.04 ± 0.07507
180
160
140
120
100
80
60
40
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6209. 6
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_usr_atr1_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 40.92 / 53
p0 −5.116e−07 ± 1.109e−05
pull
Entries 54
Mean 6.885
Std Dev 0


pull1D
Entries 54
Mean 0.02647
Std Dev 0.8701


asym_usr_atr1_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4675 / 53
p0 0.008052 ± 7.84e–06
0.0095
0.009
0.0085
0.008
0.0075
0.007
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
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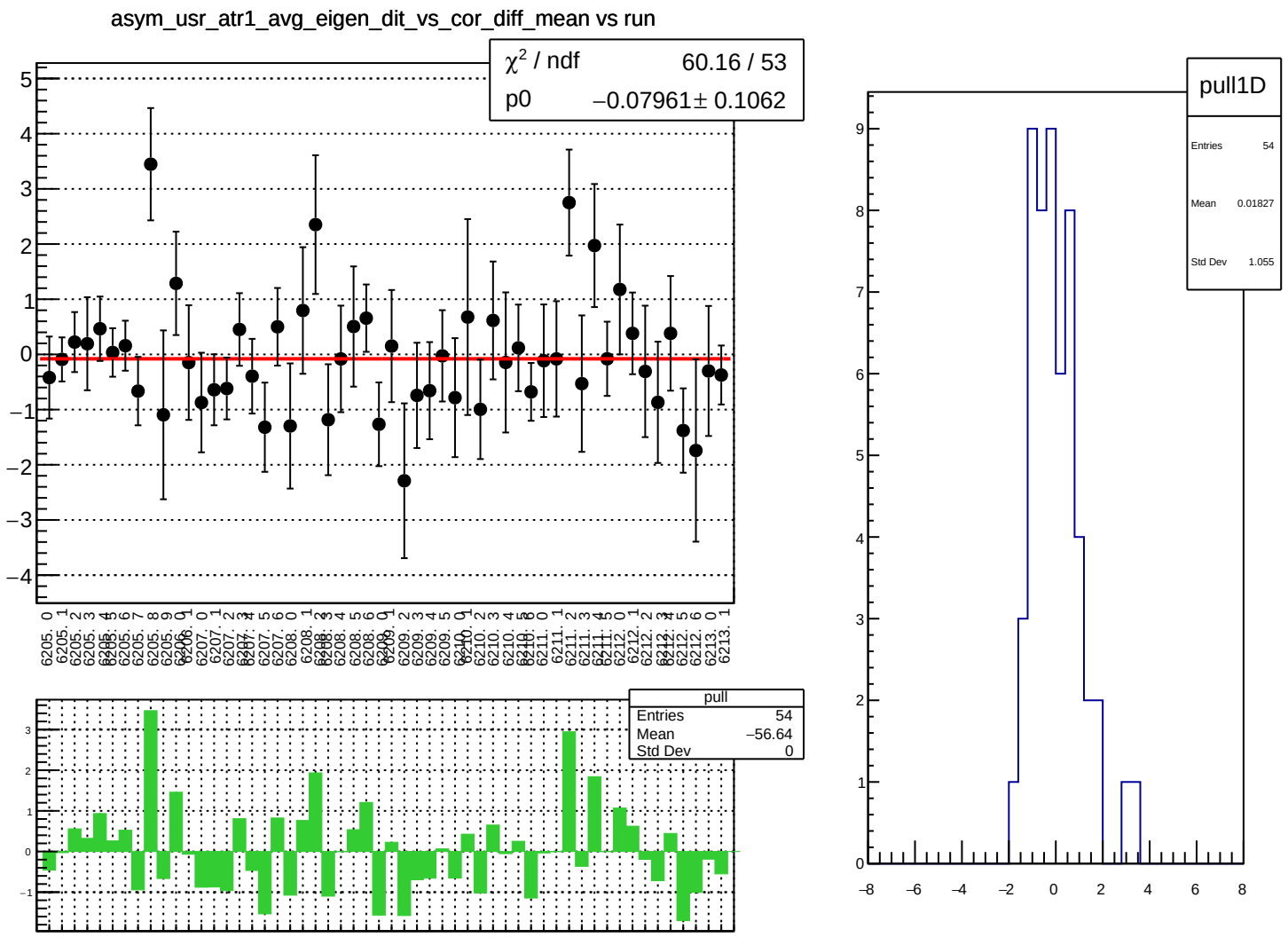
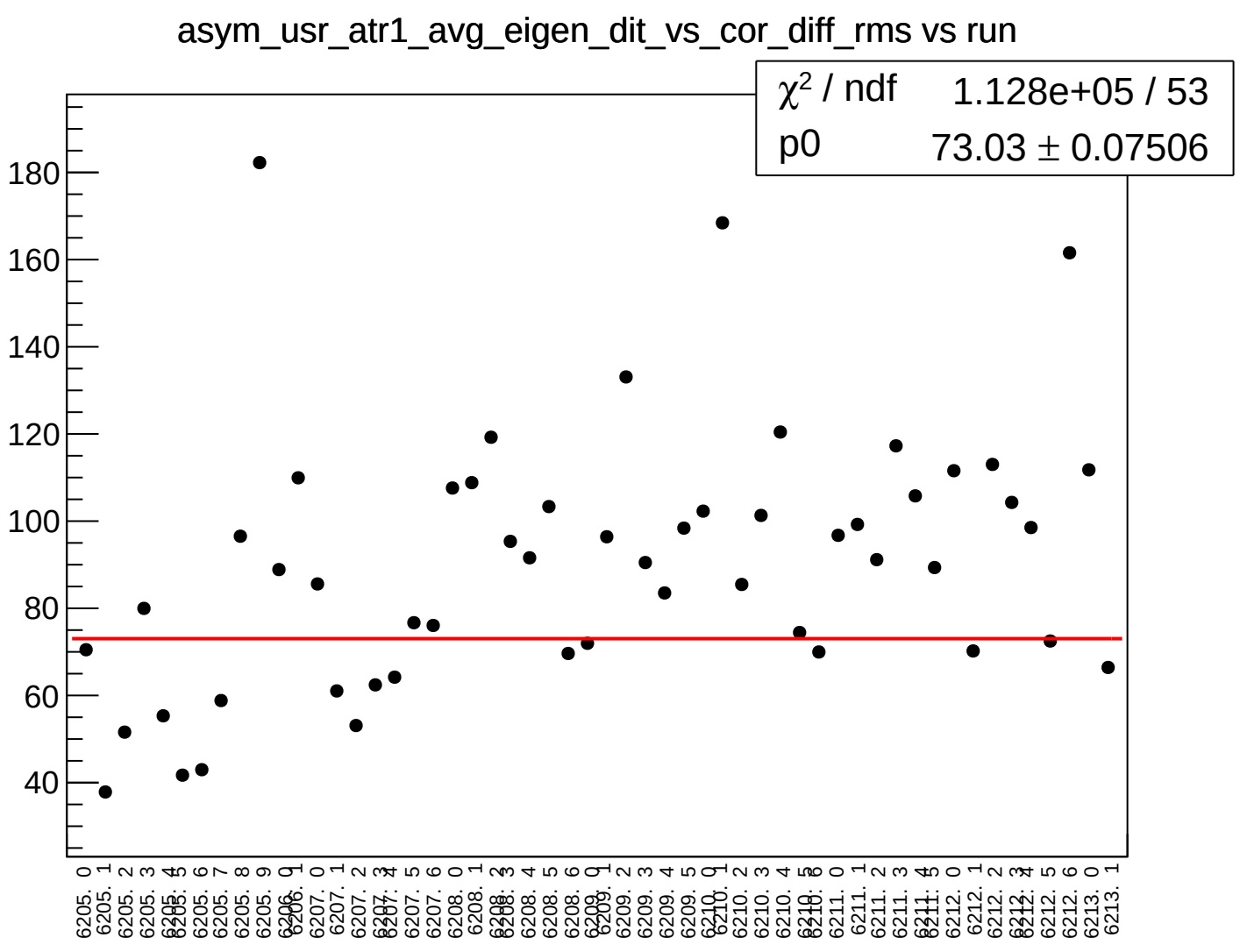
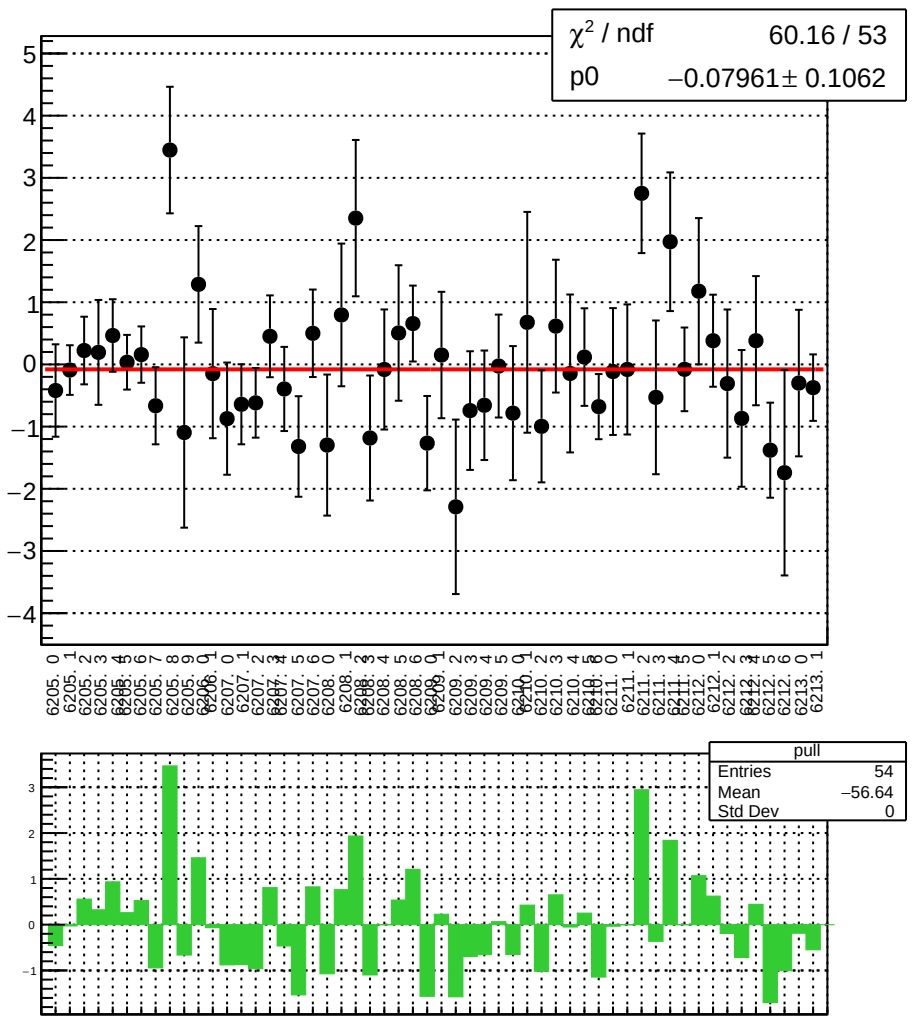
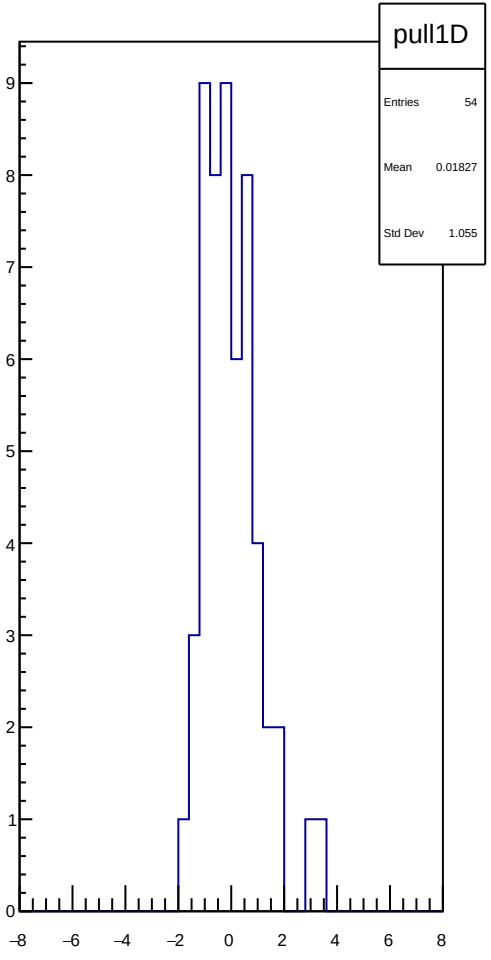
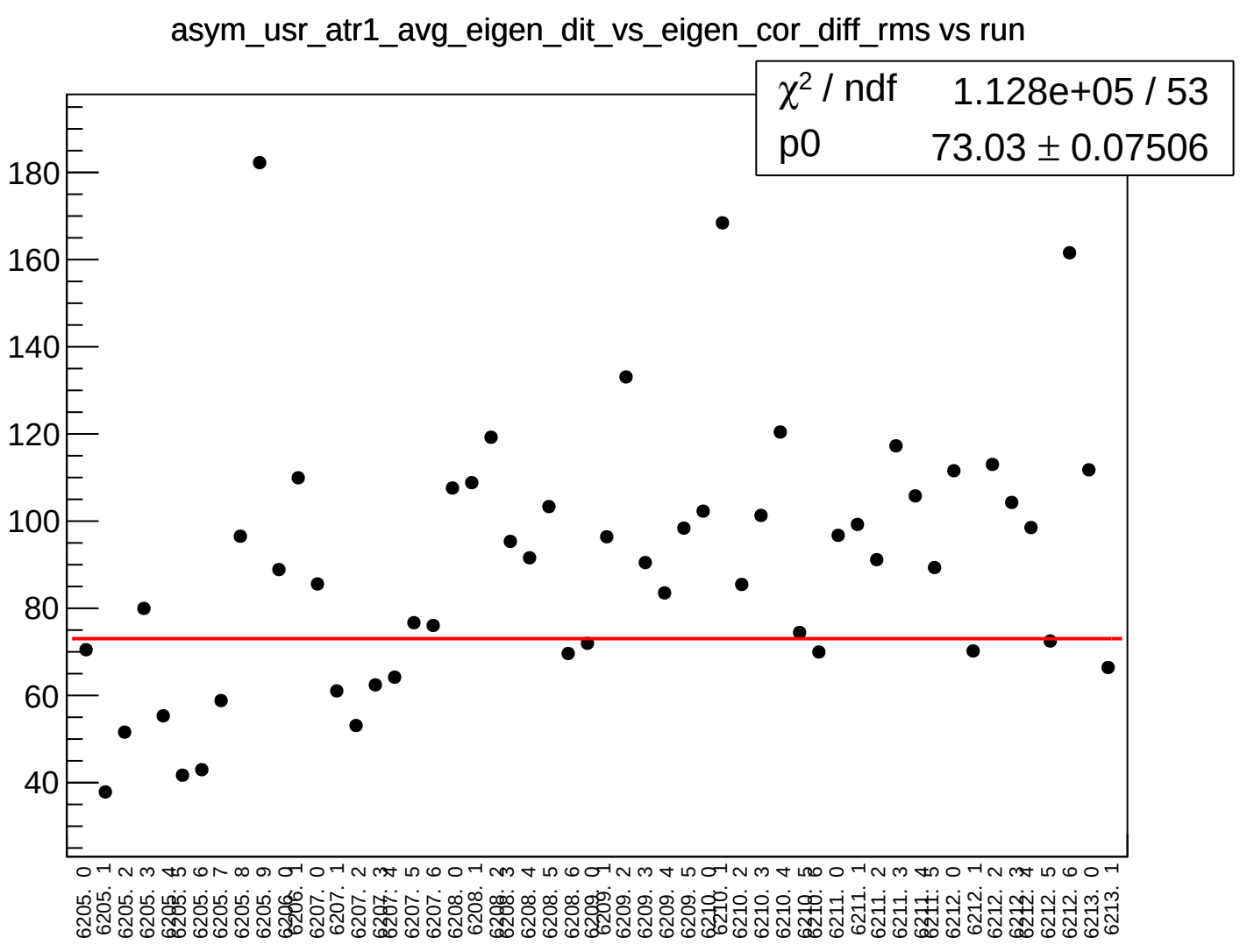
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

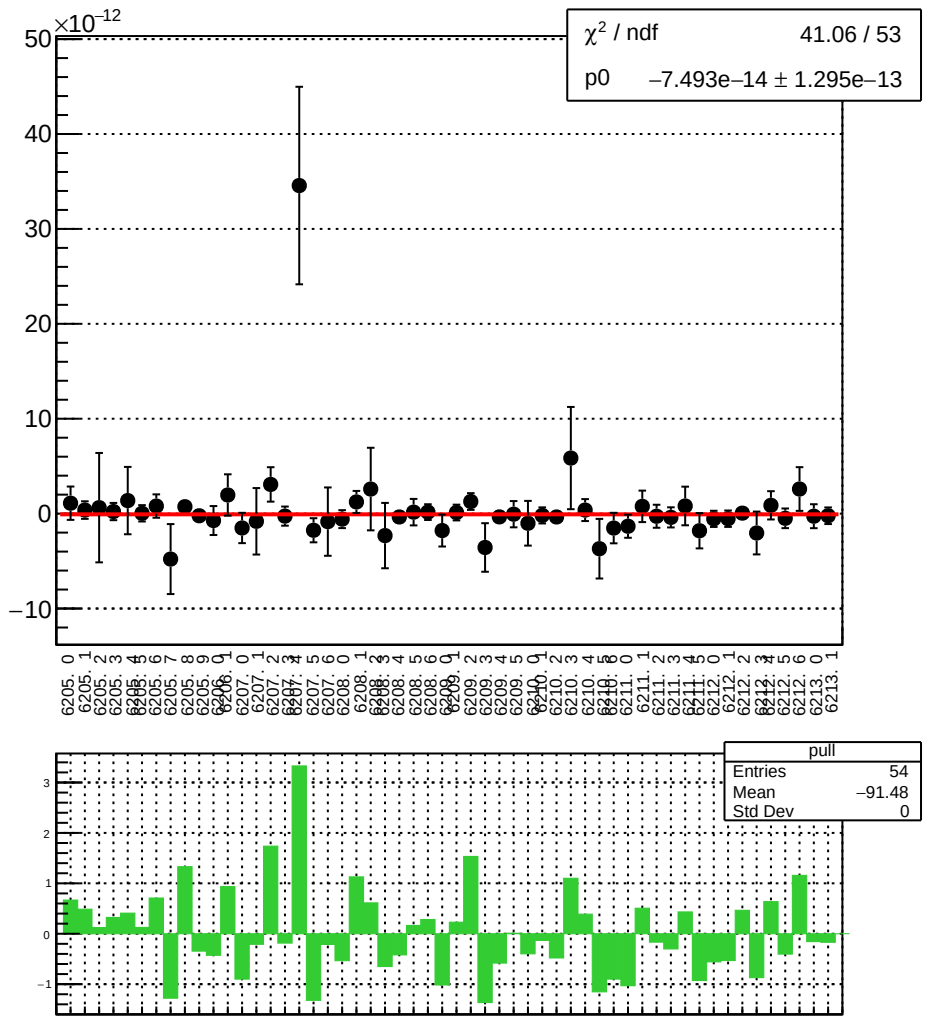

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 60.16 / 53
p0 −0.07961± 0.1062
pull
Entries 54
Mean −56.64
Std Dev 0
pull1D
Entries 54
Mean 0.01827
Std Dev 1.055

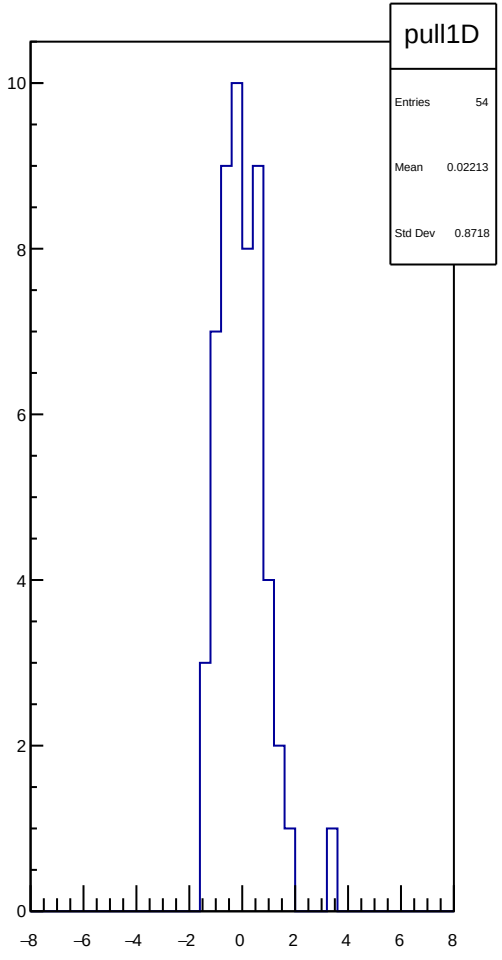

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.128e+05 / 53
p0 73.03 ± 0.07506
180
160
140
120
100
80
60
40
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6209. 6
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

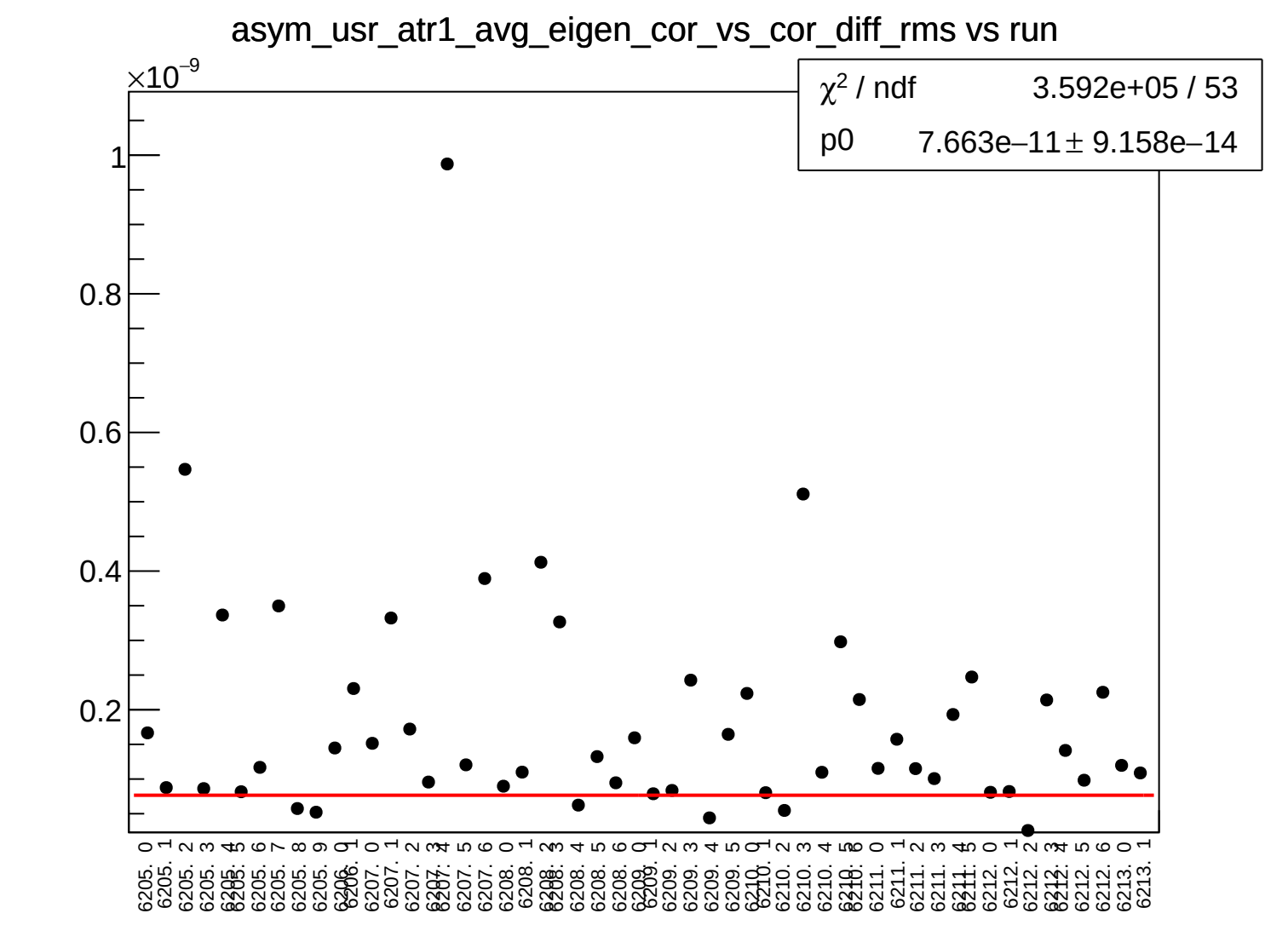

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 60.16 / 53
p0 −0.07961± 0.1062
pull
Entries 54
Mean −56.64
Std Dev 0

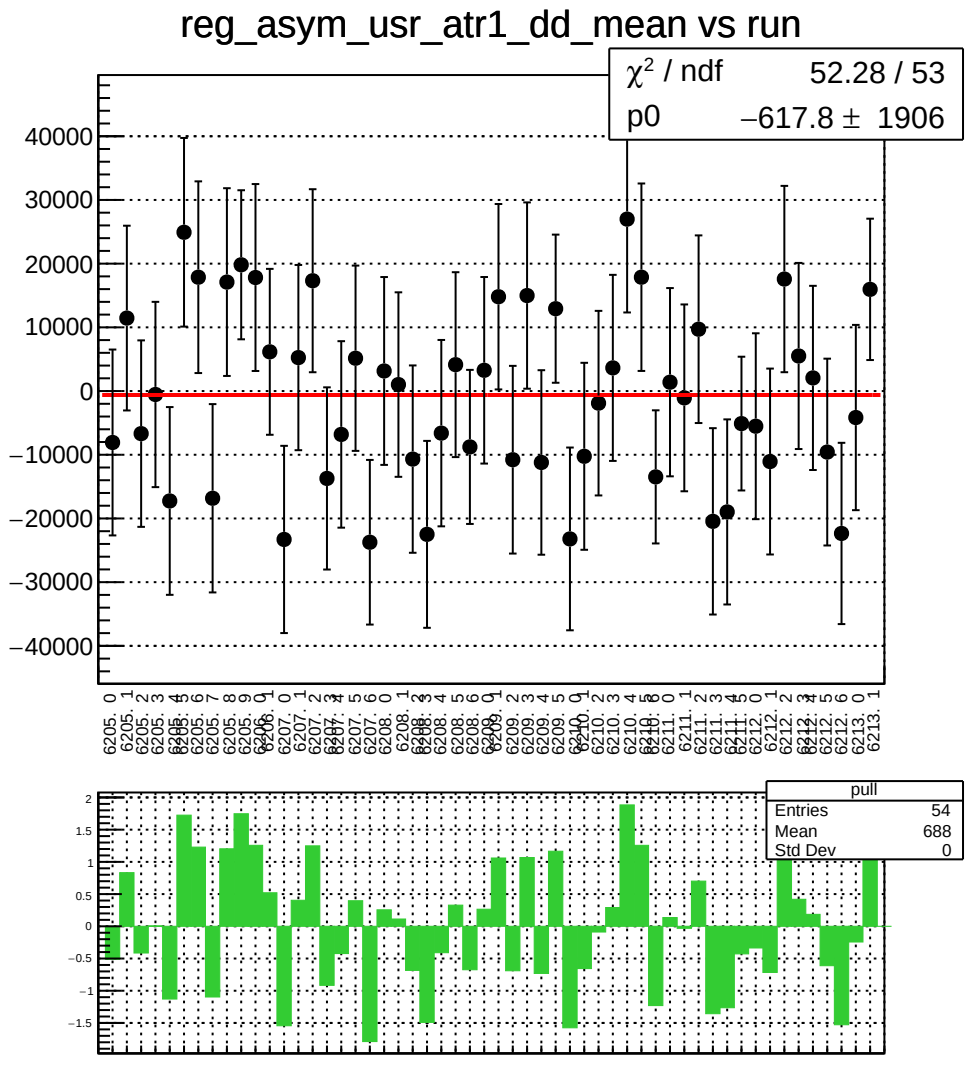

pull1D
Entries 54
Mean 0.01827
Std Dev 1.055

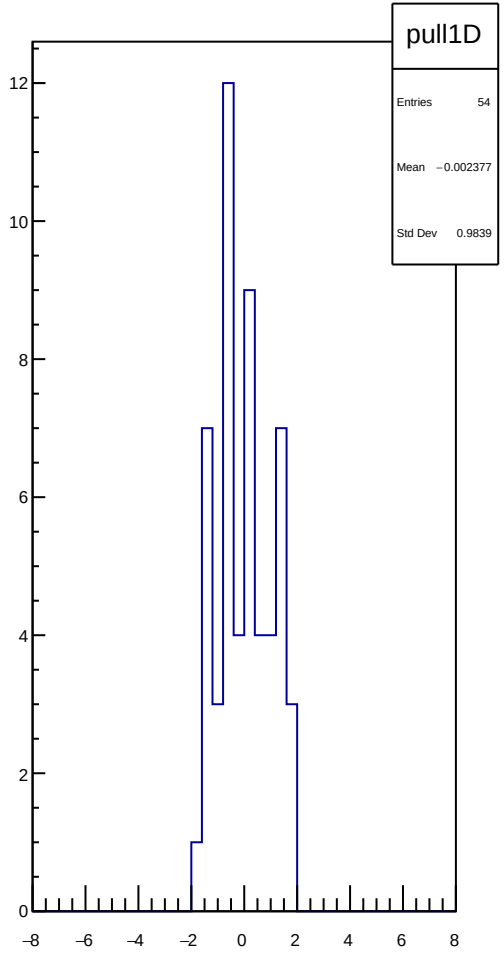

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.128e+05 / 53
p0 73.03 ± 0.07506
180
160
140
120
100
80
60
40
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6209. 6
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

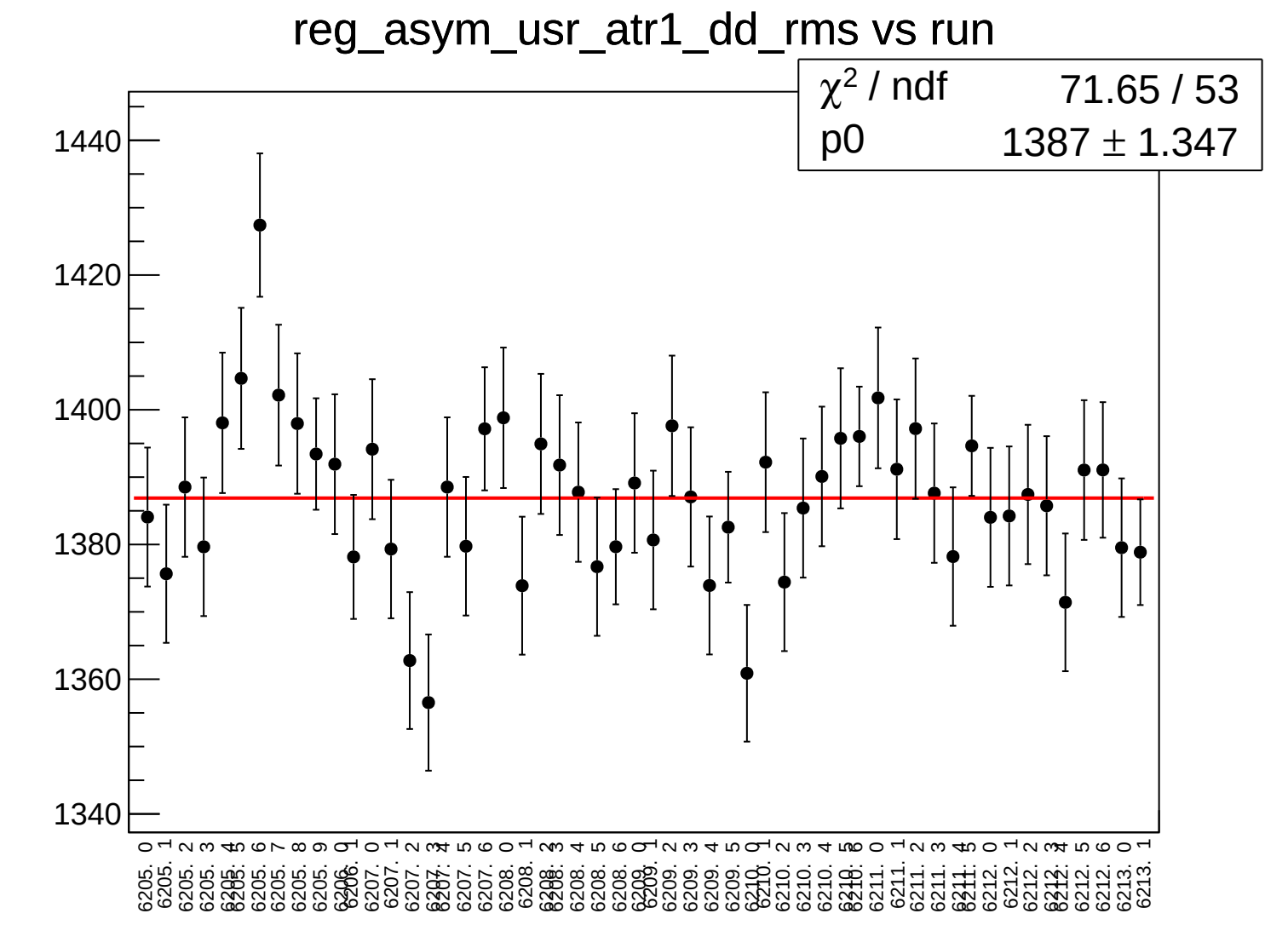

asym_usr_atr1_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 41.06 / 53
p0 −7.493e−14 ± 1.295e−13
pull
Entries 54
Mean −91.48
Std Dev 0

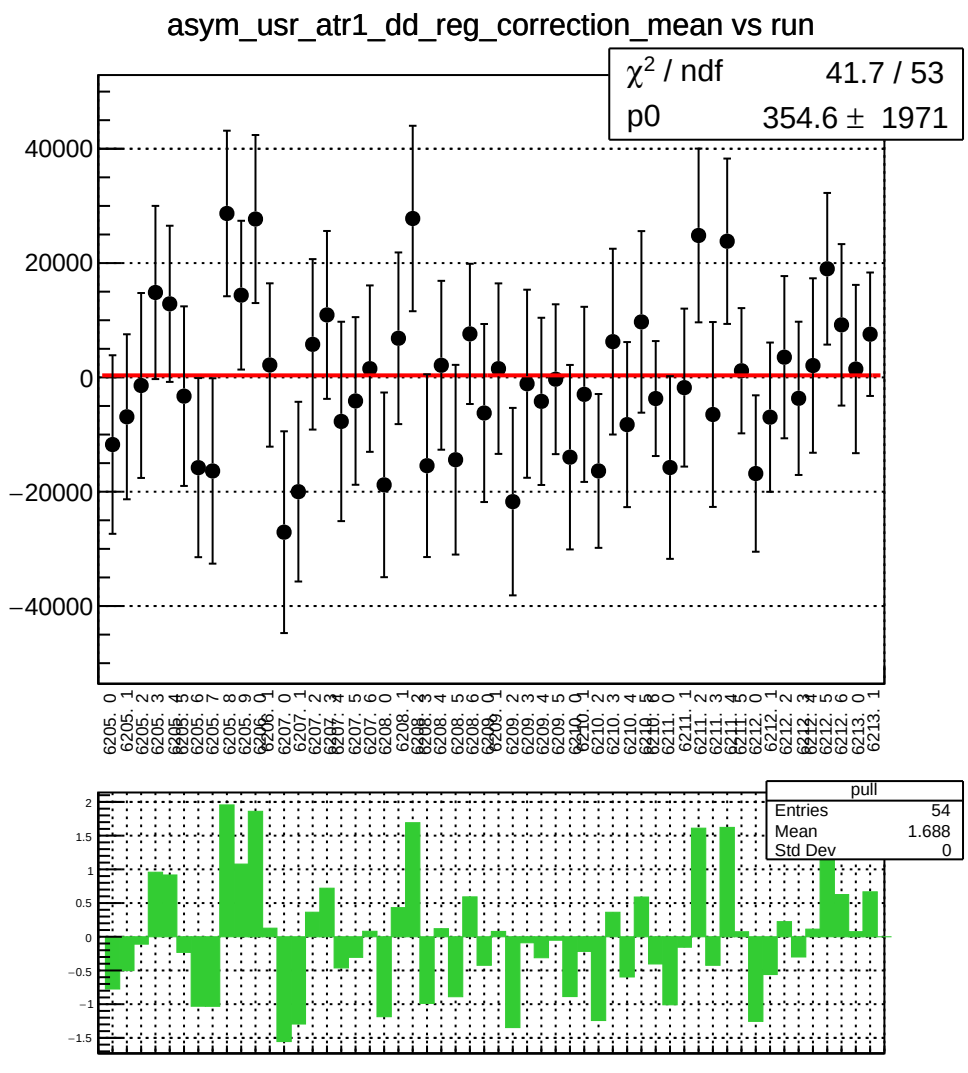

pull1D
Entries 54
Mean 0.02213
Std Dev 0.8718

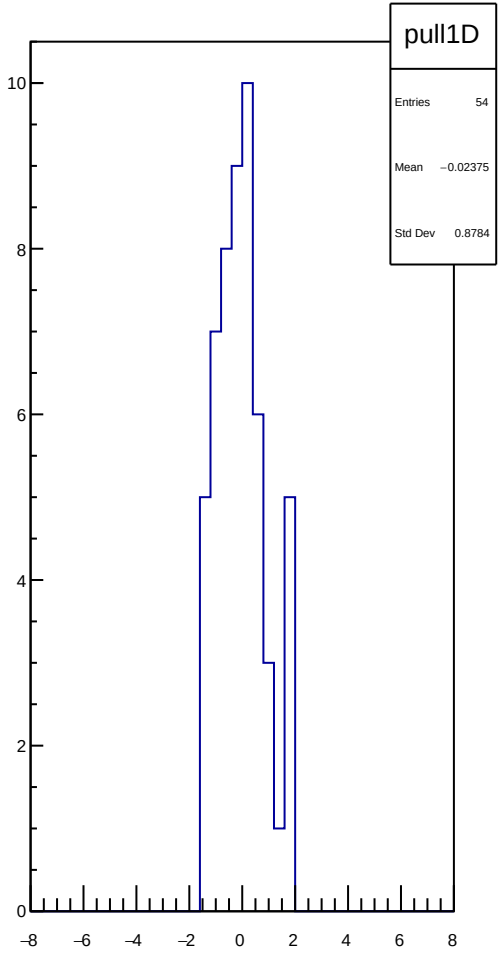

asym_usr_atr1_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.592e+05 / 53
p0 7.663e−11 ± 9.158e−14
1
0.8
0.6
0.4
0.2
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

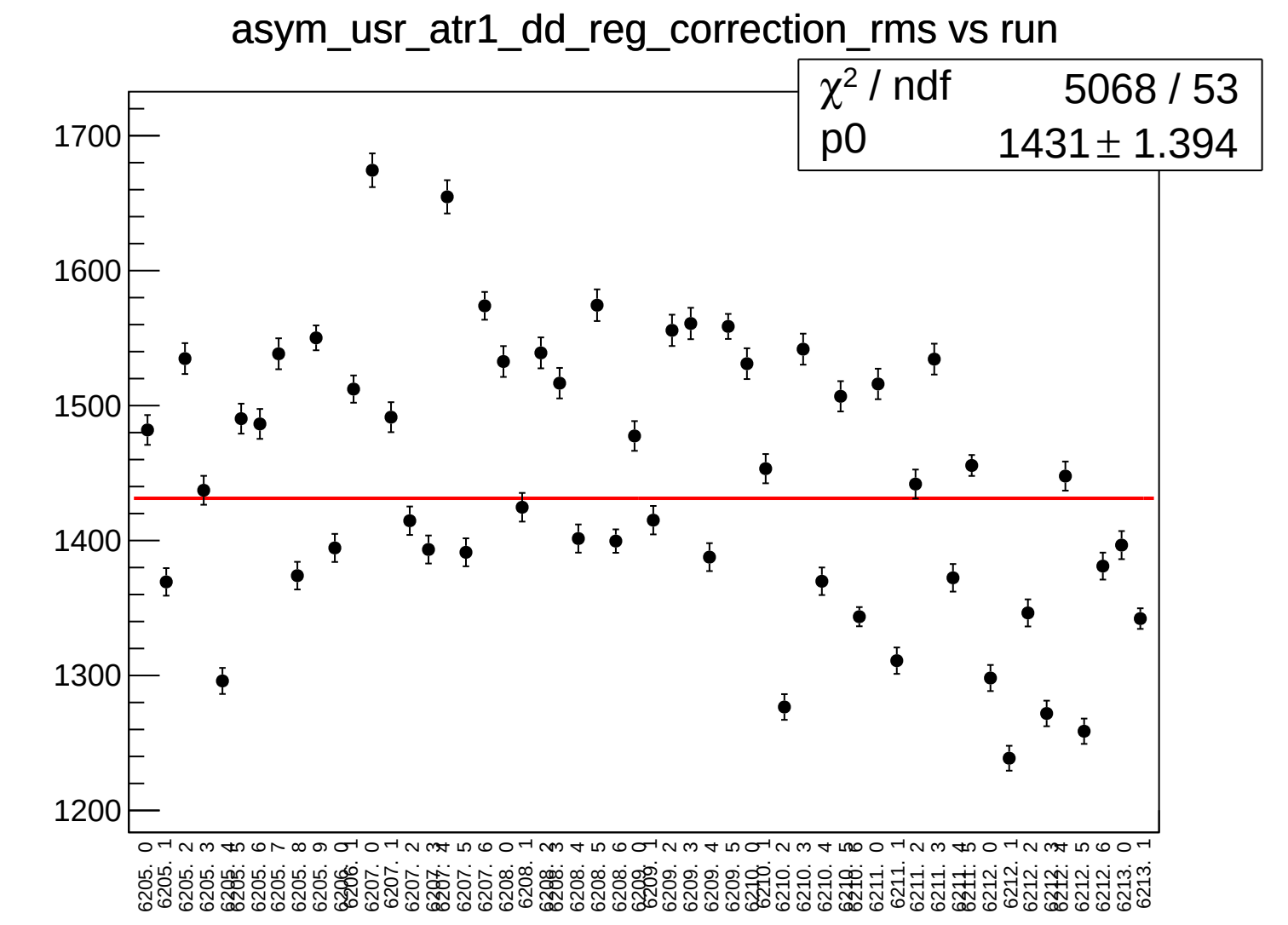

reg_asym_usr_atr1_dd_mean vs run
χ² / ndf 52.28 / 53
p0 −617.8 ± 1906
pull
Entries 54
Mean 688
Std Dev 0

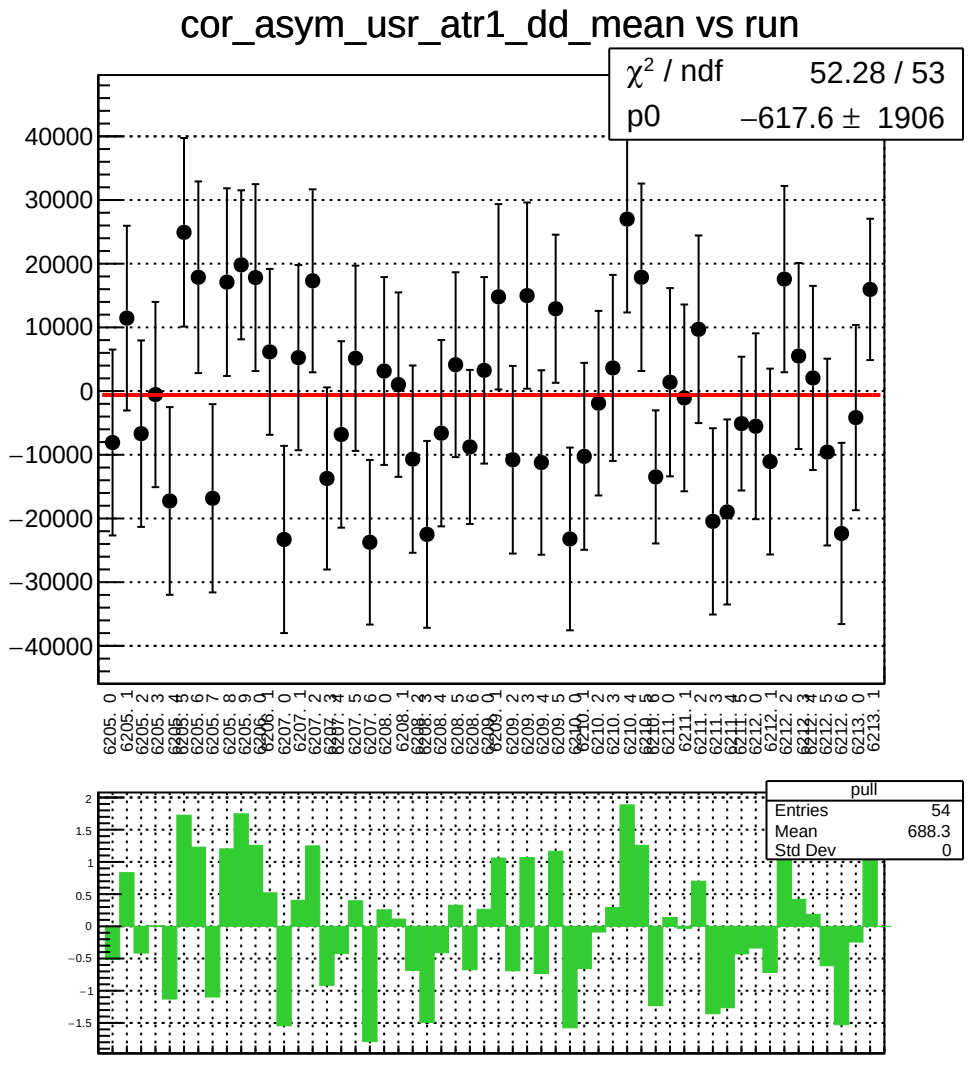

pull1D
Entries 54
Mean −0.002377
Std Dev 0.9839

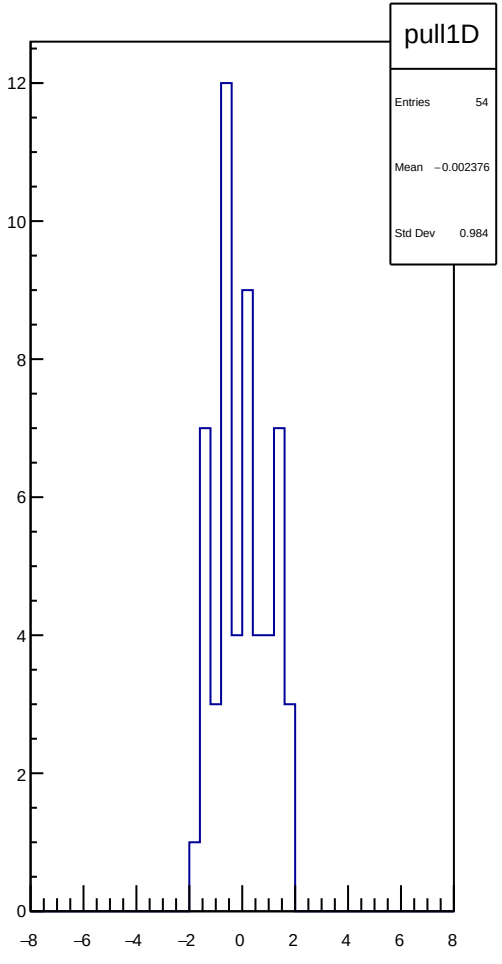

reg_asym_usr_atr1_dd_rms vs run
χ² / ndf 71.65 / 53
p0 1387 ± 1.347
1440
1420
1400
1380
1360
1340
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

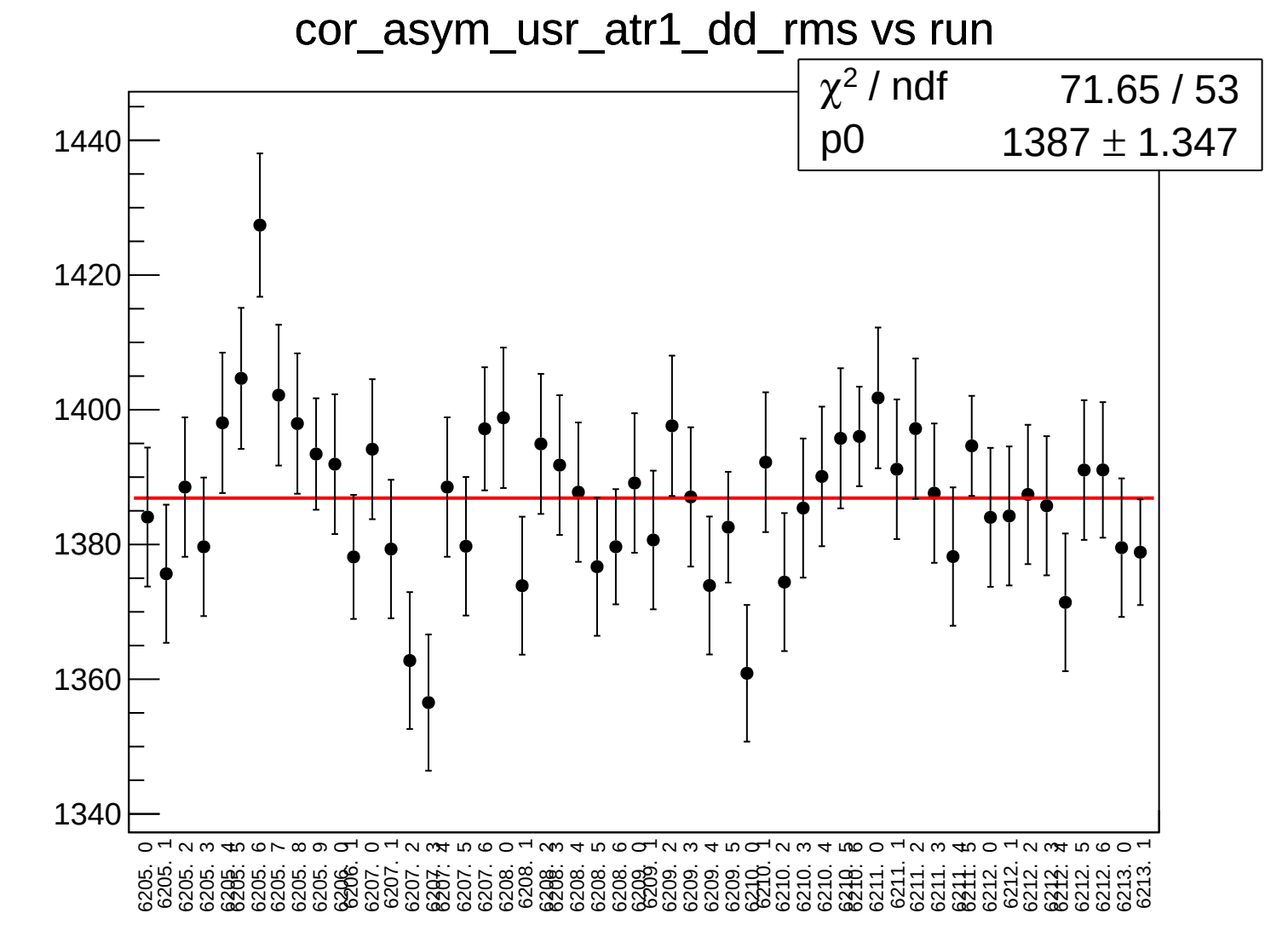

asym_usr_atr1_dd_reg_correction_mean vs run
χ^2 / ndf 41.7 / 53
p0 354.6 ± 1971
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 1.688
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 54
Mean −0.02375
Std Dev 0.8784
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_usr_atr1_dd_reg_correction_rms vs run
χ² / ndf 5068 / 53
p0 1431 ± 1.394
1700
1600
1500
1400
1300
1200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


cor_asym_usr_atr1_dd_mean vs run
χ² / ndf 52.28 / 53
p0 −617.6 ± 1906
pull
Entries 54
Mean 688.3
Std Dev 0


pull1D
Entries 54
Mean −0.002376
Std Dev 0.984


cor_asym_usr_atr1_dd_rms vs run
χ² / ndf 71.65 / 53
p0 1387 ± 1.347
1440
1420
1400
1380
1360
1340
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
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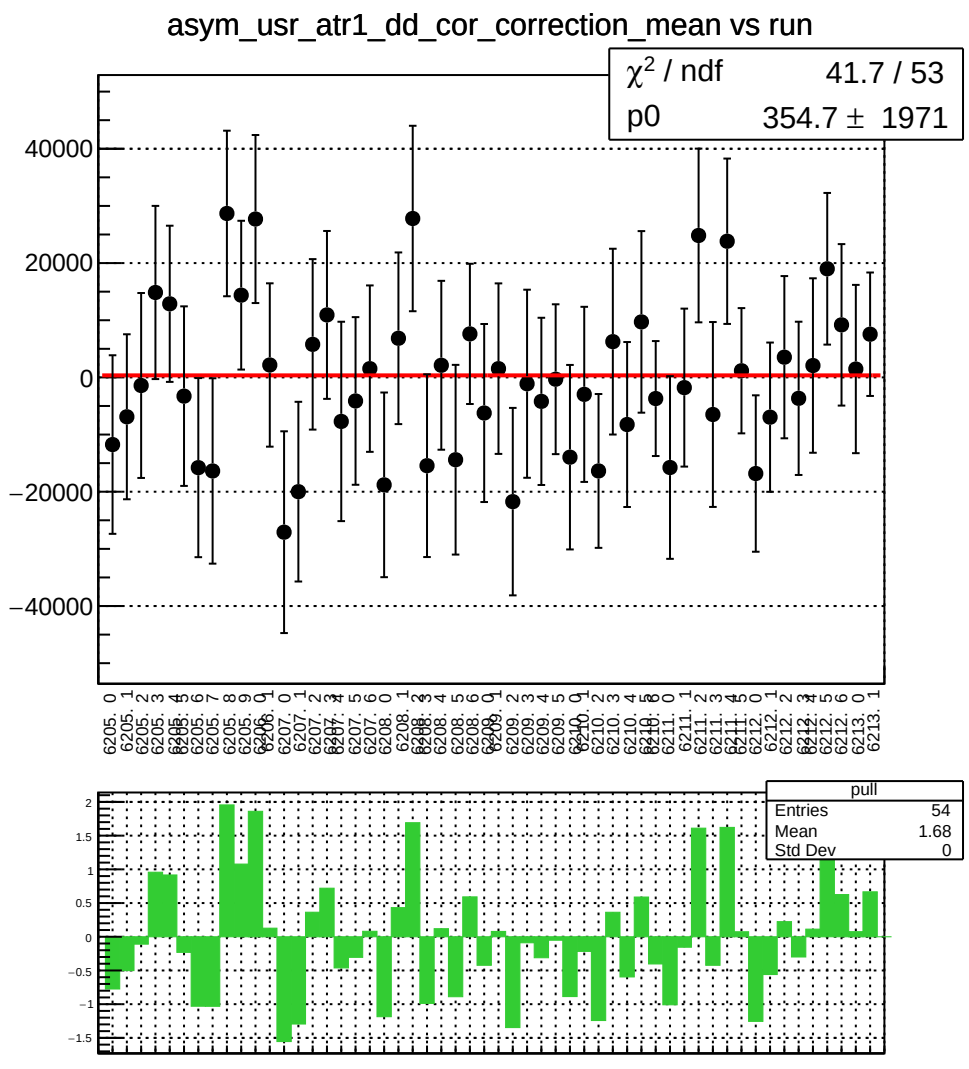
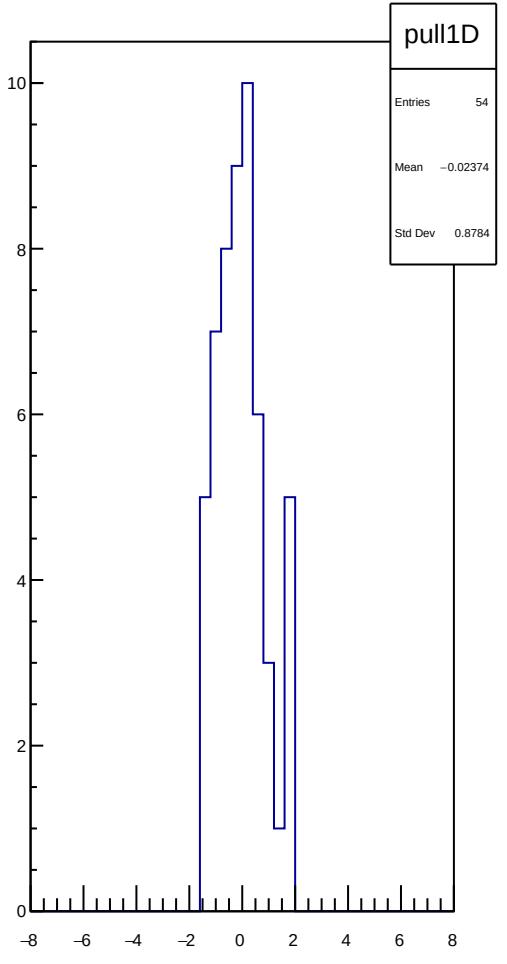
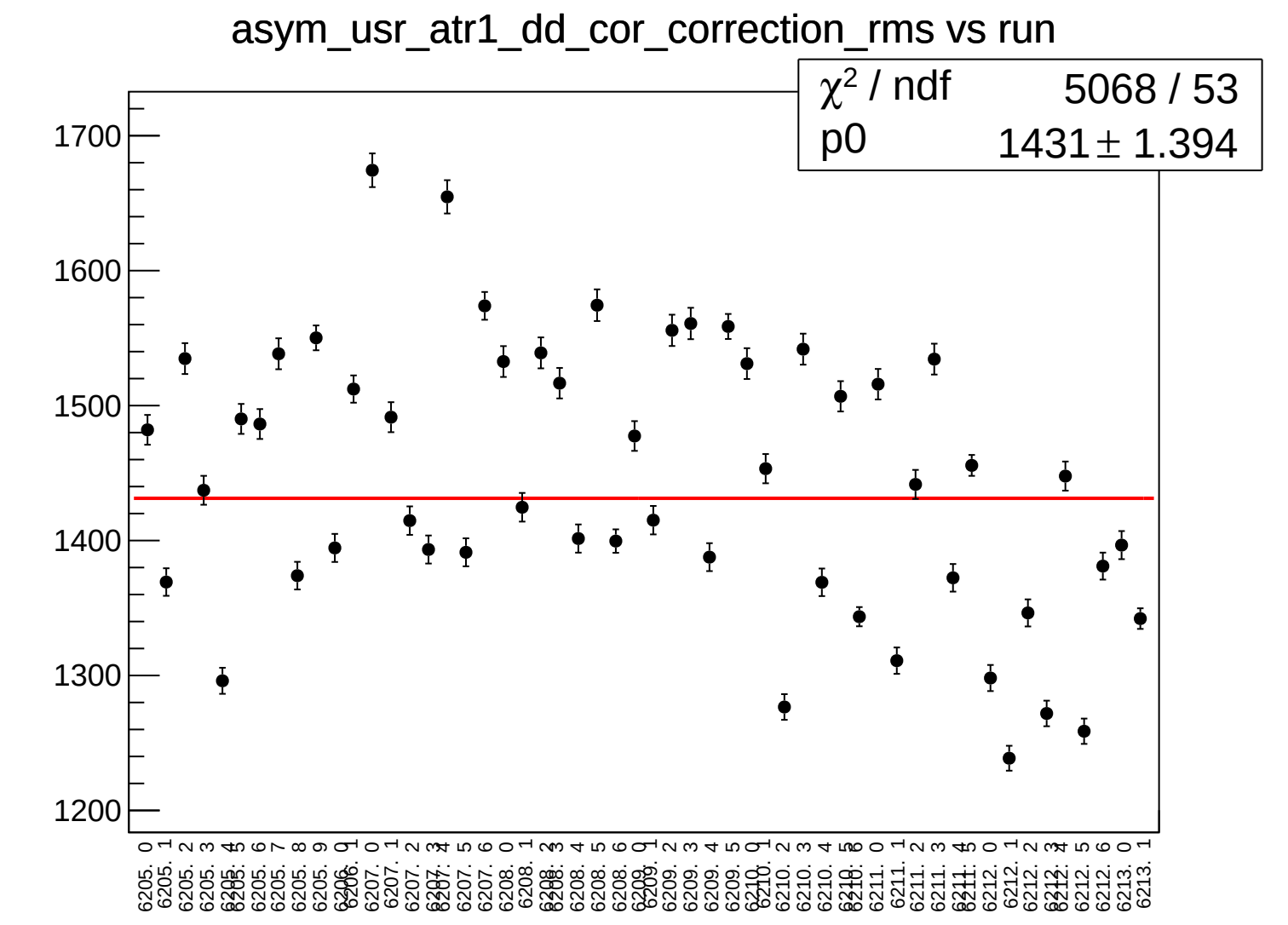
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_usr_atr1_dd_cor_correction_mean vs run
χ² / ndf 41.7 / 53
p0 354.7 ± 1971
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 1.68
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 54
Mean −0.02374
Std Dev 0.8784
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_usr_atr1_dd_cor_correction_rms vs run
χ² / ndf 5068 / 53
p0 1431 ± 1.394
1700
1600
1500
1400
1300
1200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
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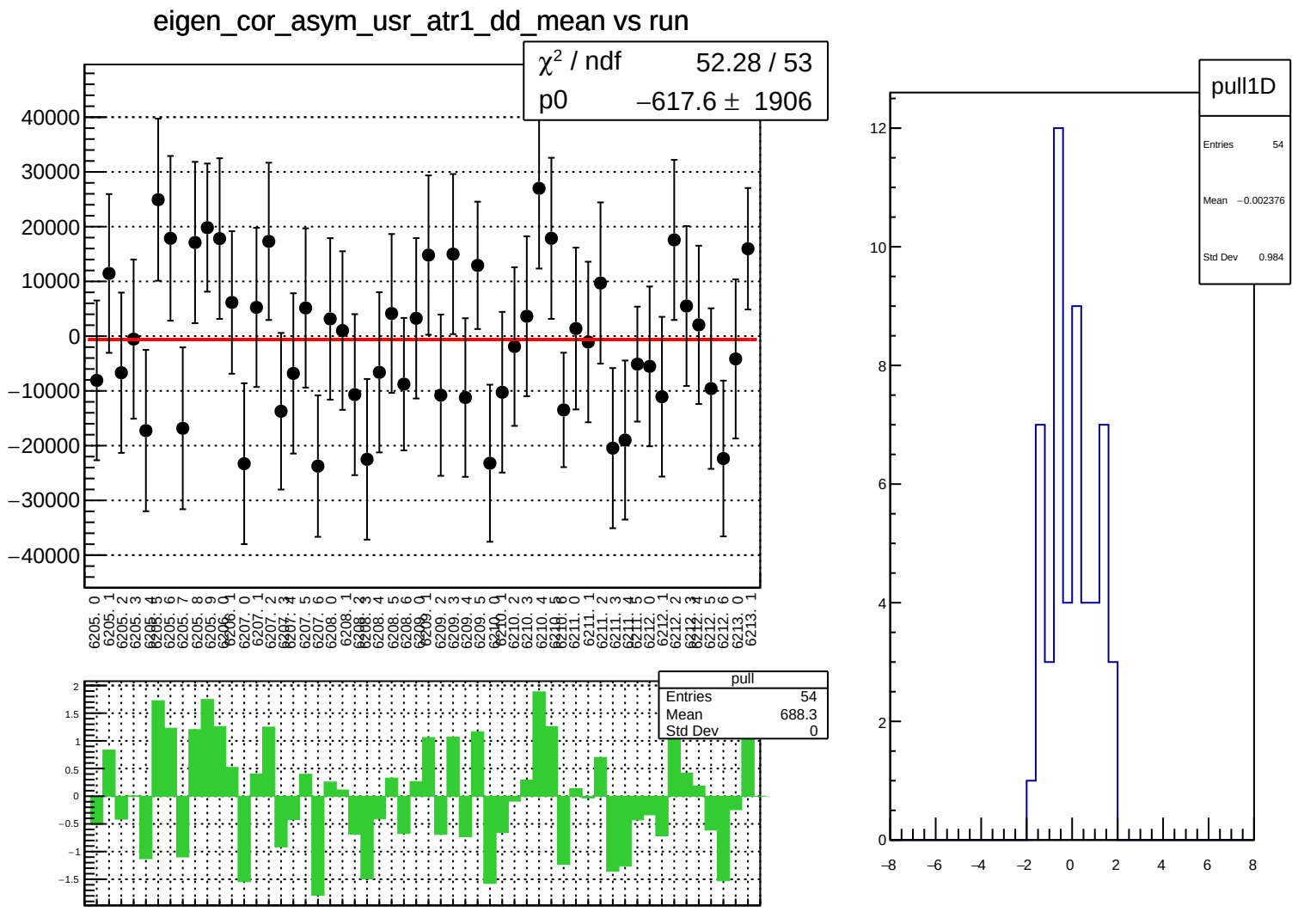
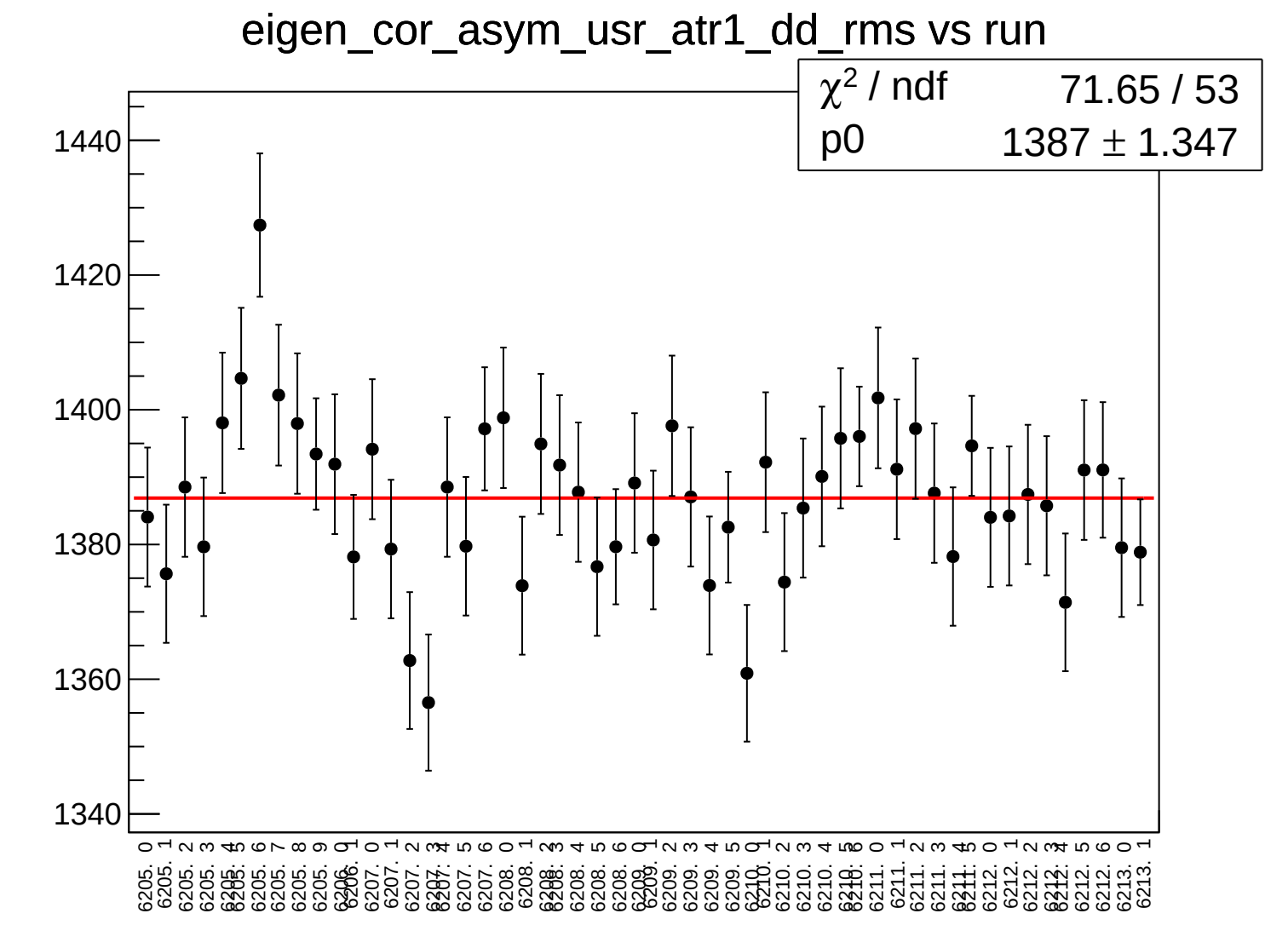
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


eigen_cor_asym_usr_atr1_dd_mean vs run
χ² / ndf 52.28 / 53
p0 −617.6 ± 1906
pull
Entries 54
Mean 688.3
Std Dev 0
pull1D
Entries 54
Mean −0.002376
Std Dev 0.984


eigen_cor_asym_usr_atr1_dd_rms vs run
χ² / ndf 71.65 / 53
p0 1387 ± 1.347
1440
1420
1400
1380
1360
1340
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
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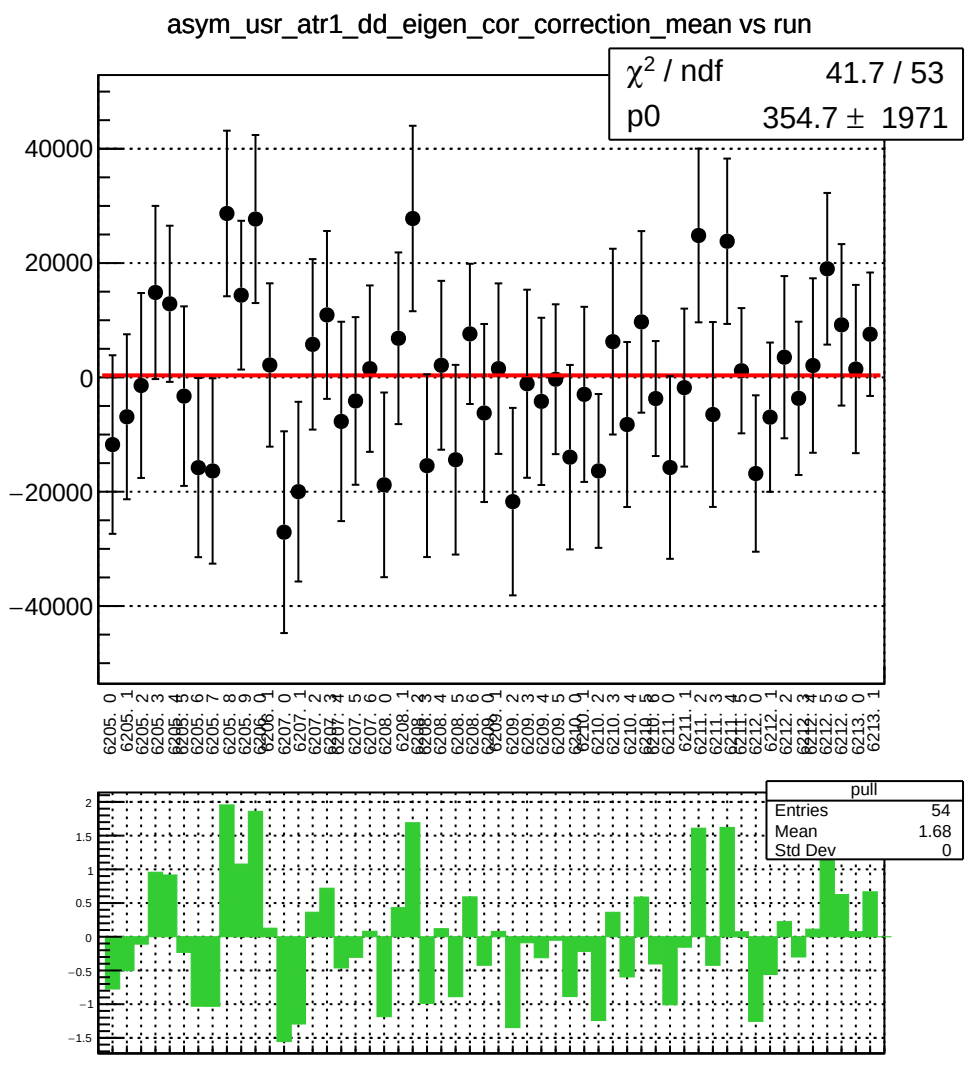
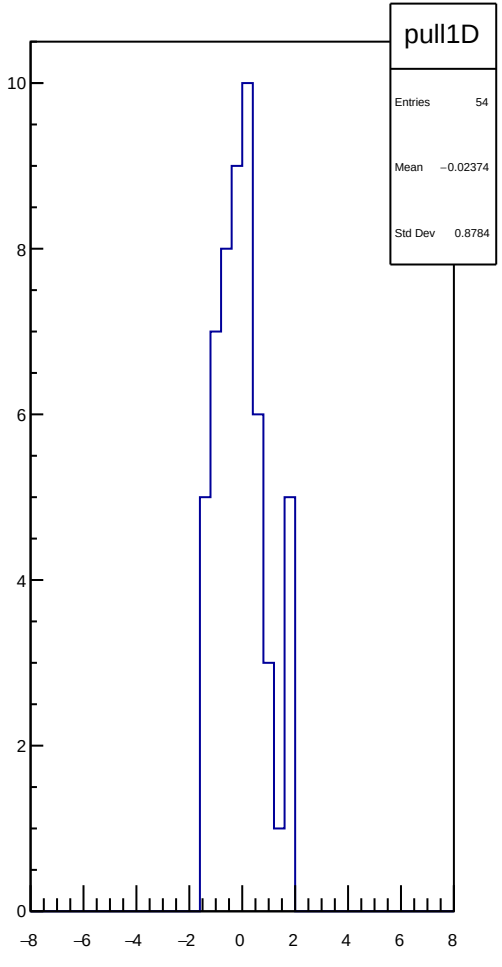
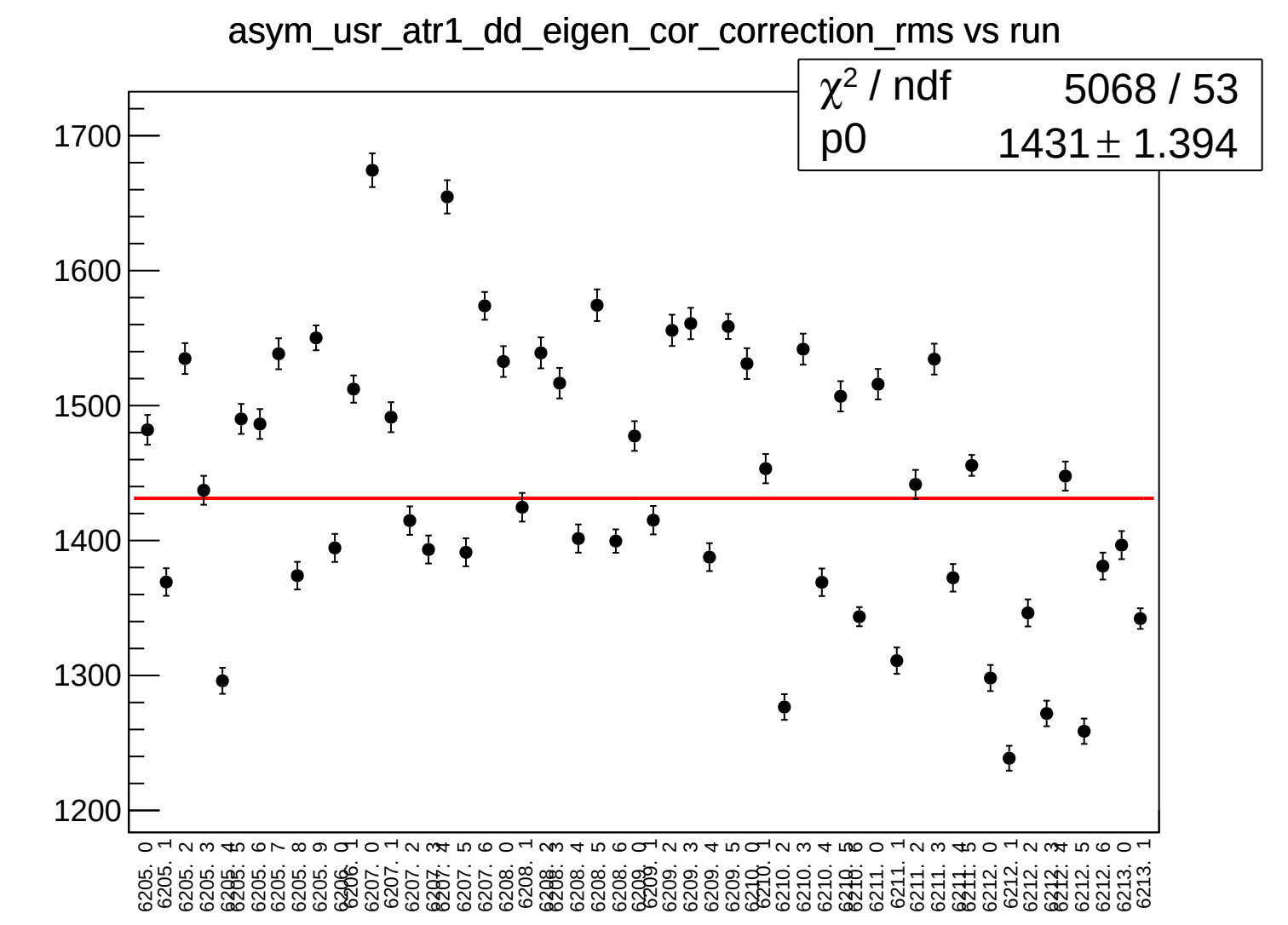
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_usr_atr1_dd_eigen_cor_correction_mean vs run
χ² / ndf 41.7 / 53
p0 354.7 ± 1971
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 1.68
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 54
Mean −0.02374
Std Dev 0.8784
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_usr_atr1_dd_eigen_cor_correction_rms vs run
χ² / ndf 5068 / 53
p0 1431 ± 1.394
1700
1600
1500
1400
1300
1200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
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6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
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6210. 6
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6211. 2
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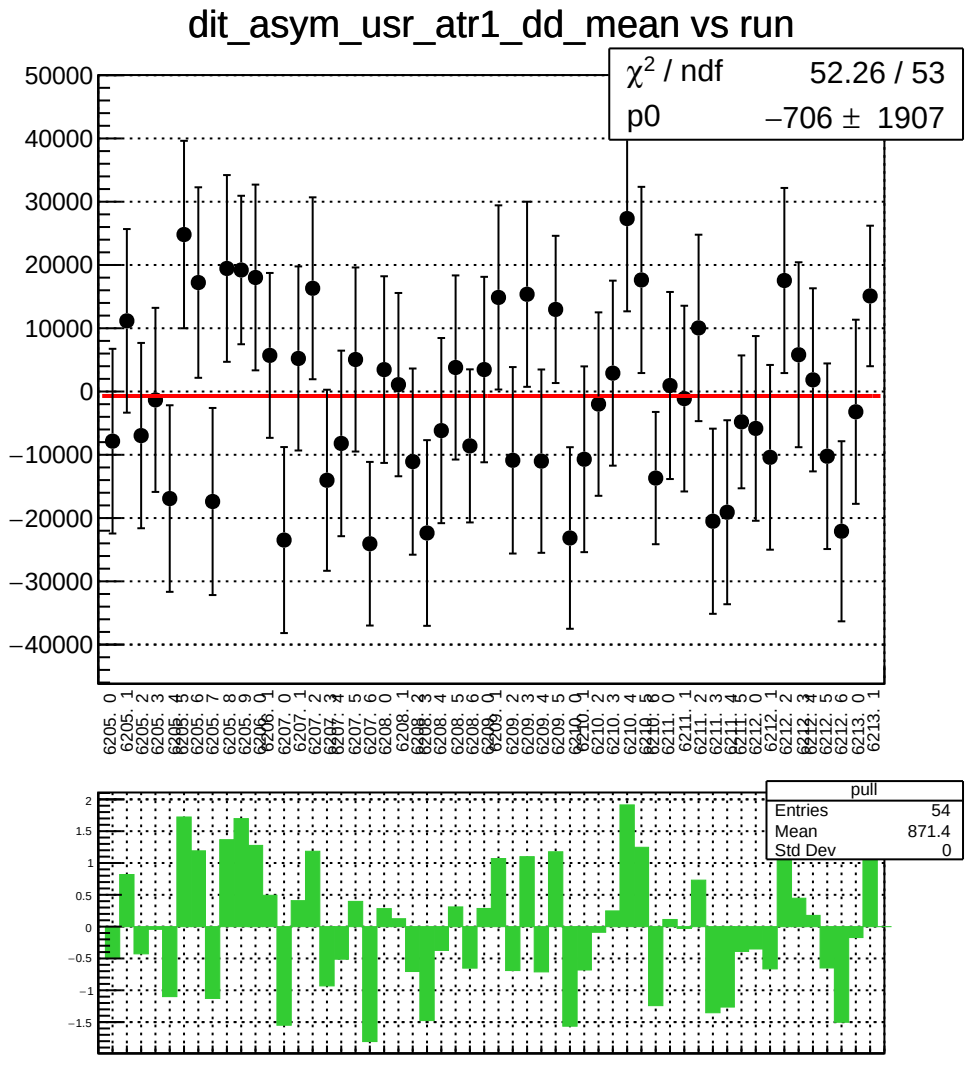
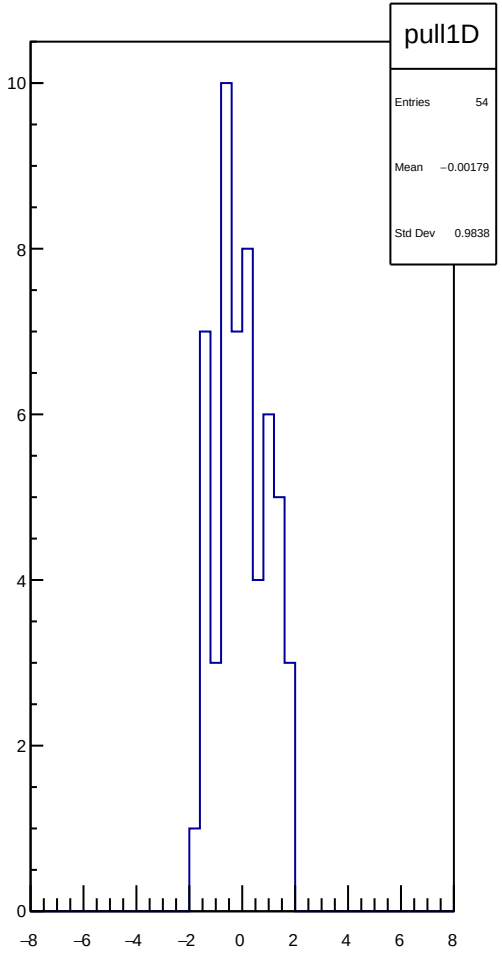
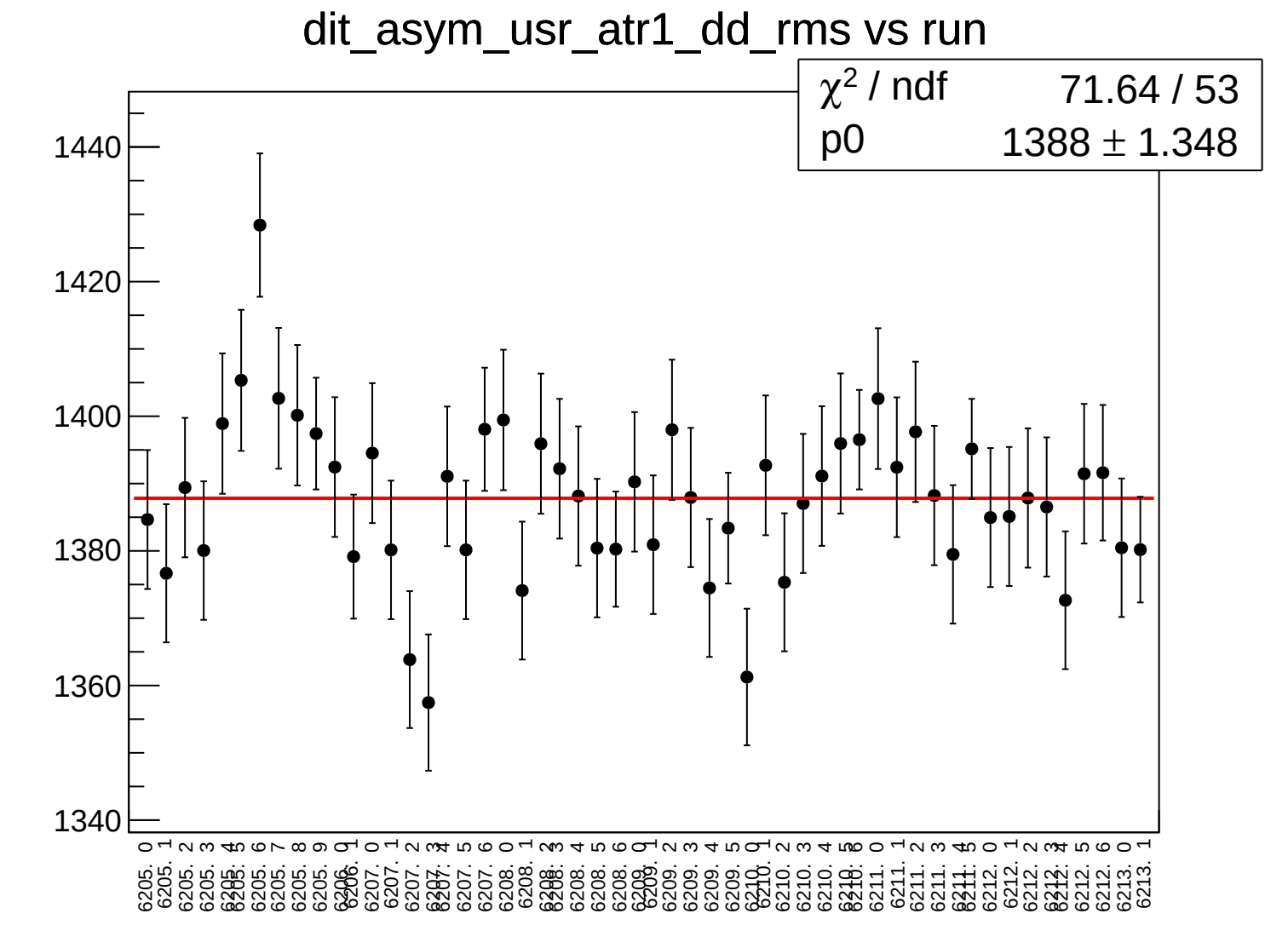
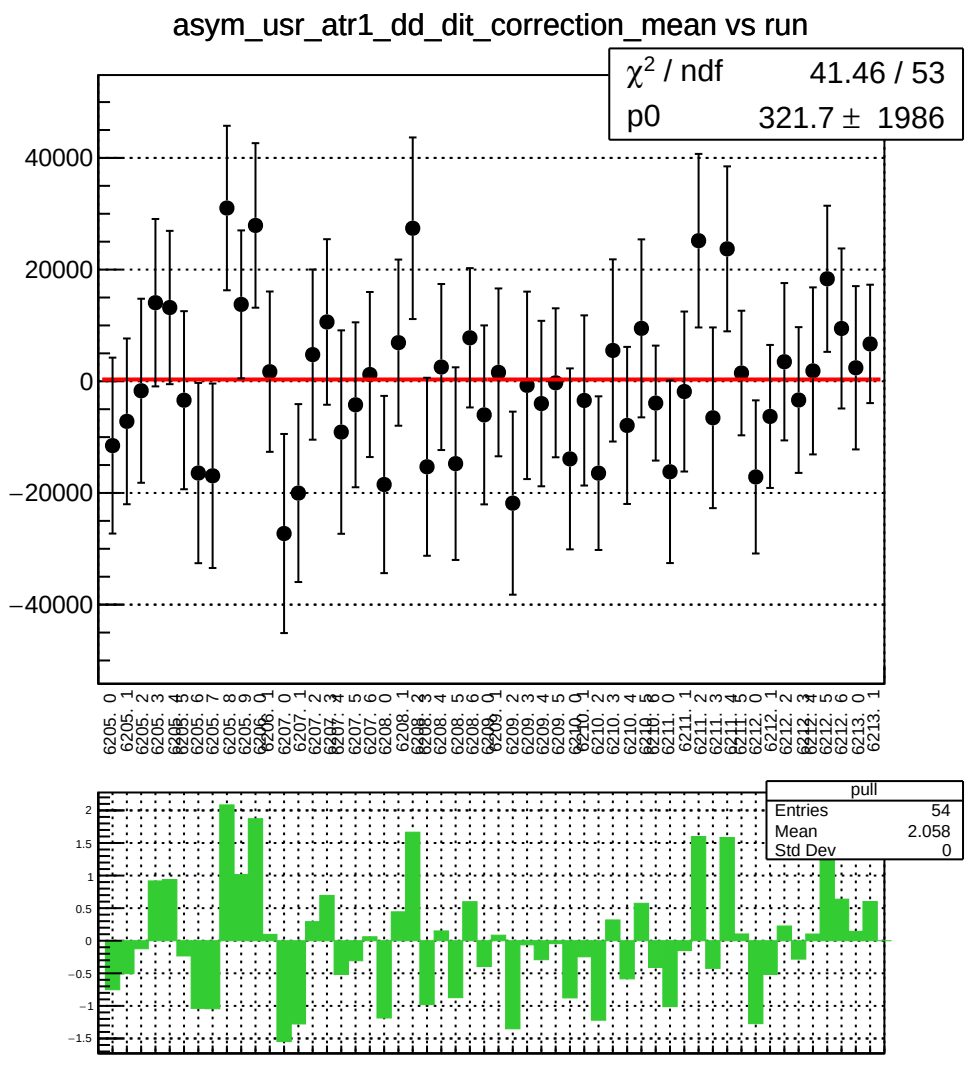
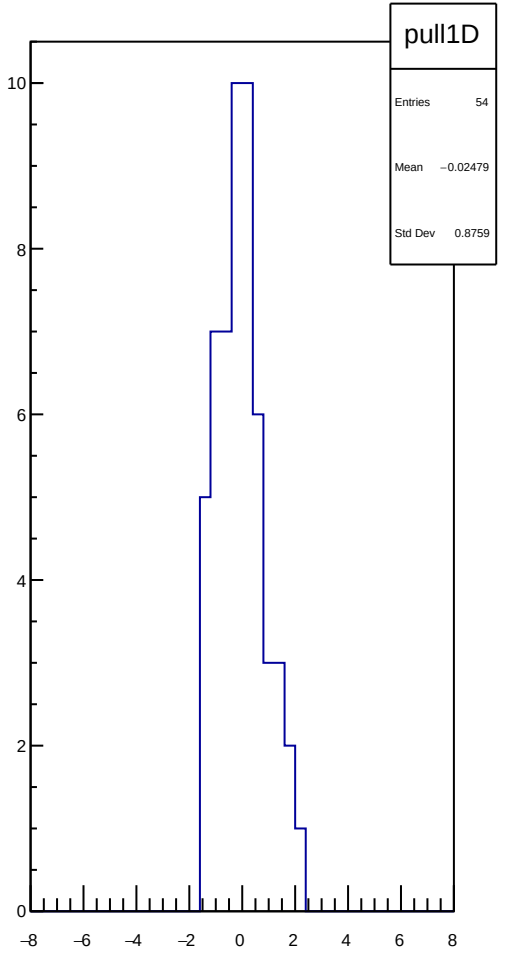
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

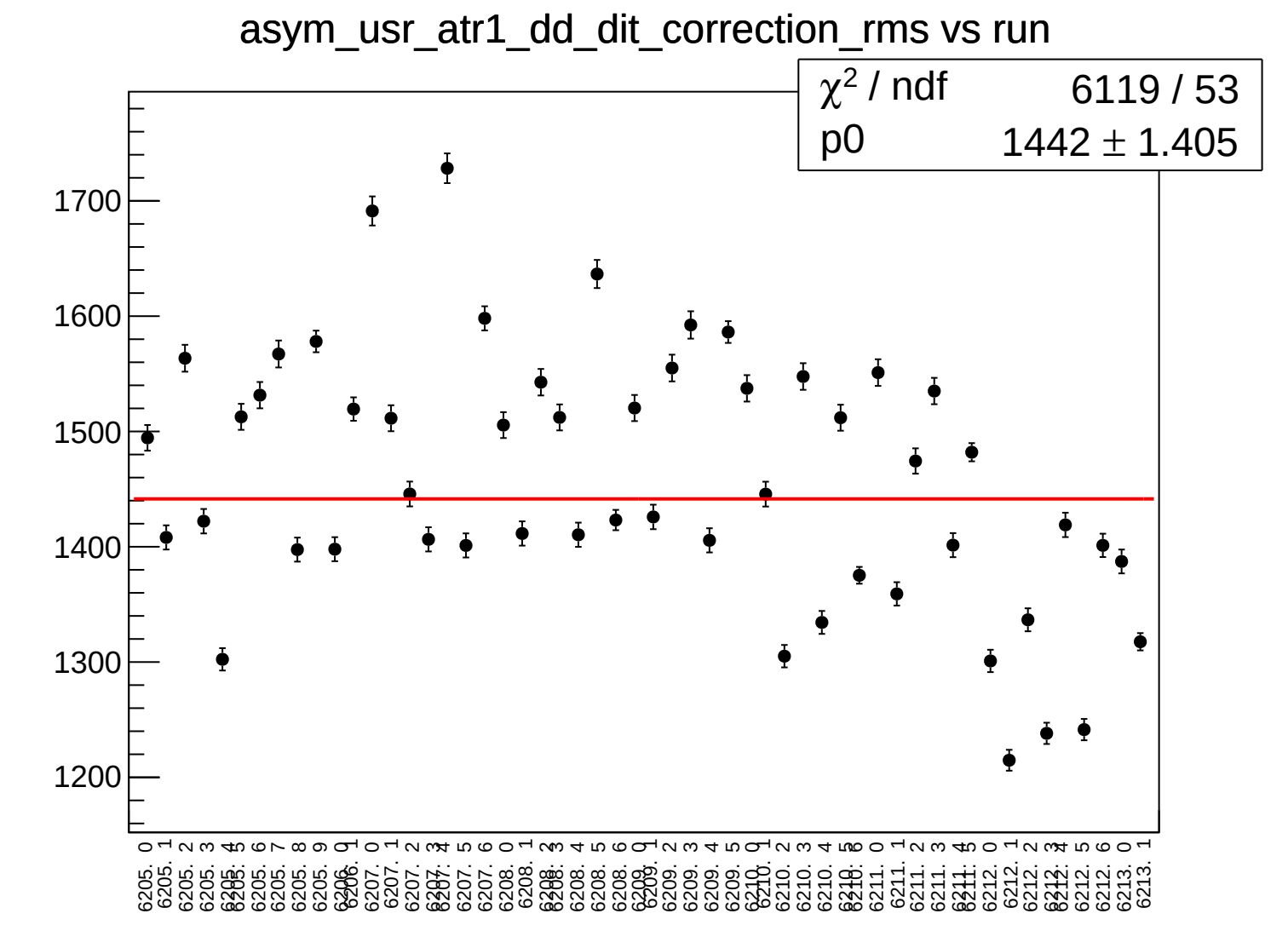

dit_asym_usr_atr1_dd_mean vs run
χ² / ndf 52.26 / 53
p0 −706 ± 1907
pull
Entries 54
Mean 871.4
Std Dev 0

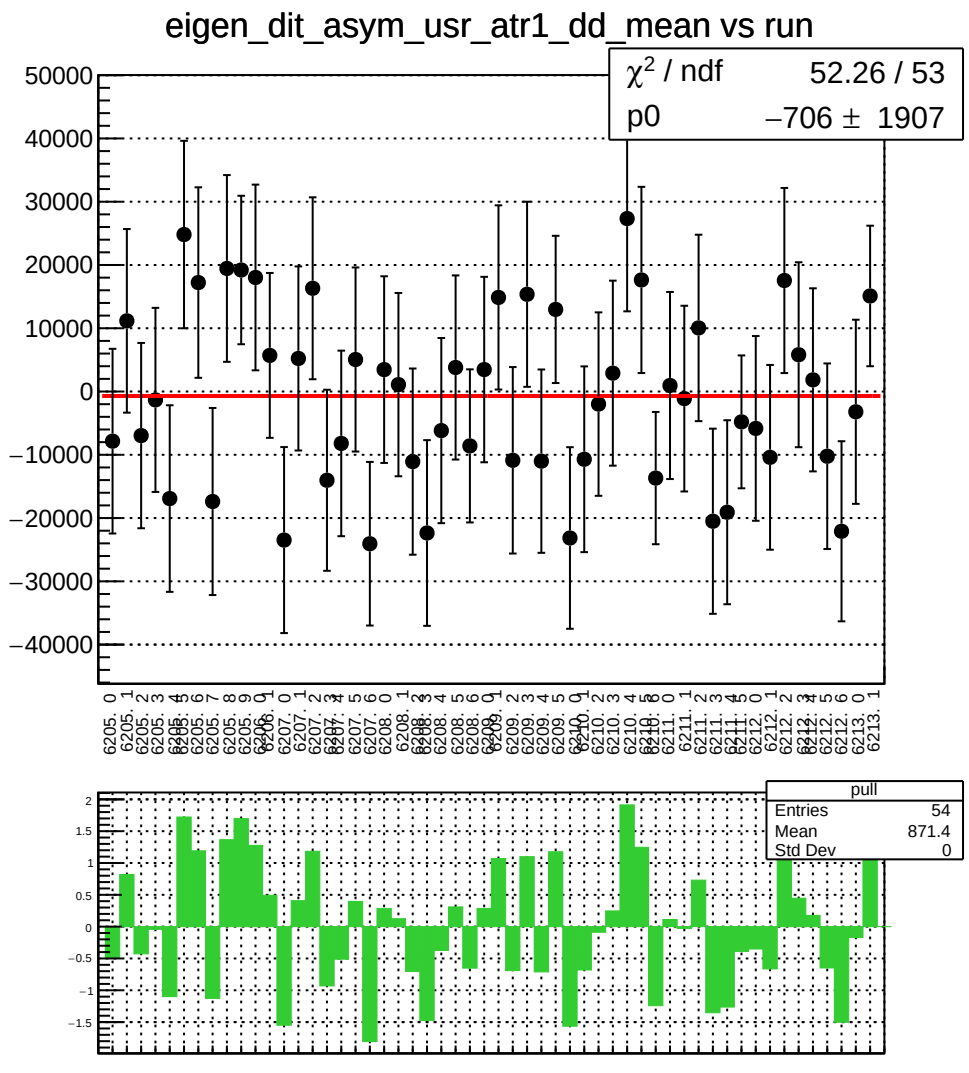

pull1D
Entries 54
Mean −0.00179
Std Dev 0.9838

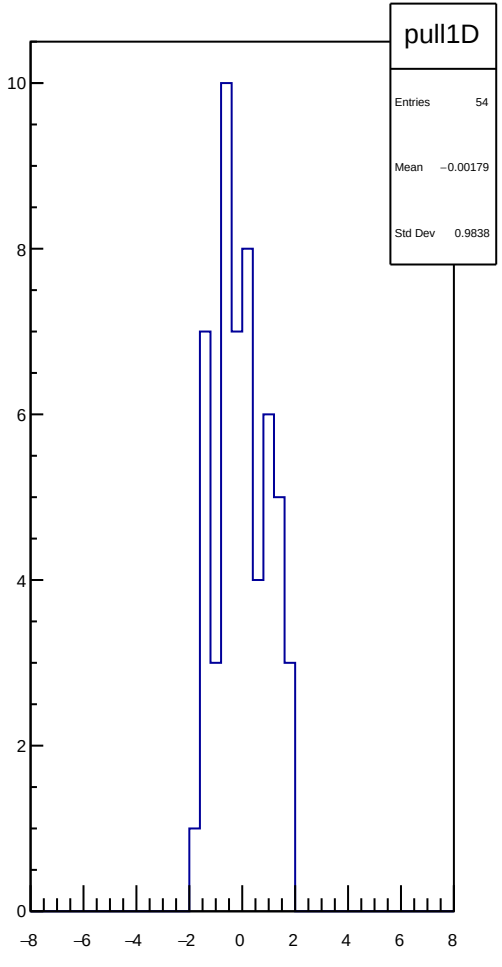

dit_asym_usr_atr1_dd_rms vs run
χ² / ndf 71.64 / 53
p0 1388 ± 1.348
1440
1420
1400
1380
1360
1340
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

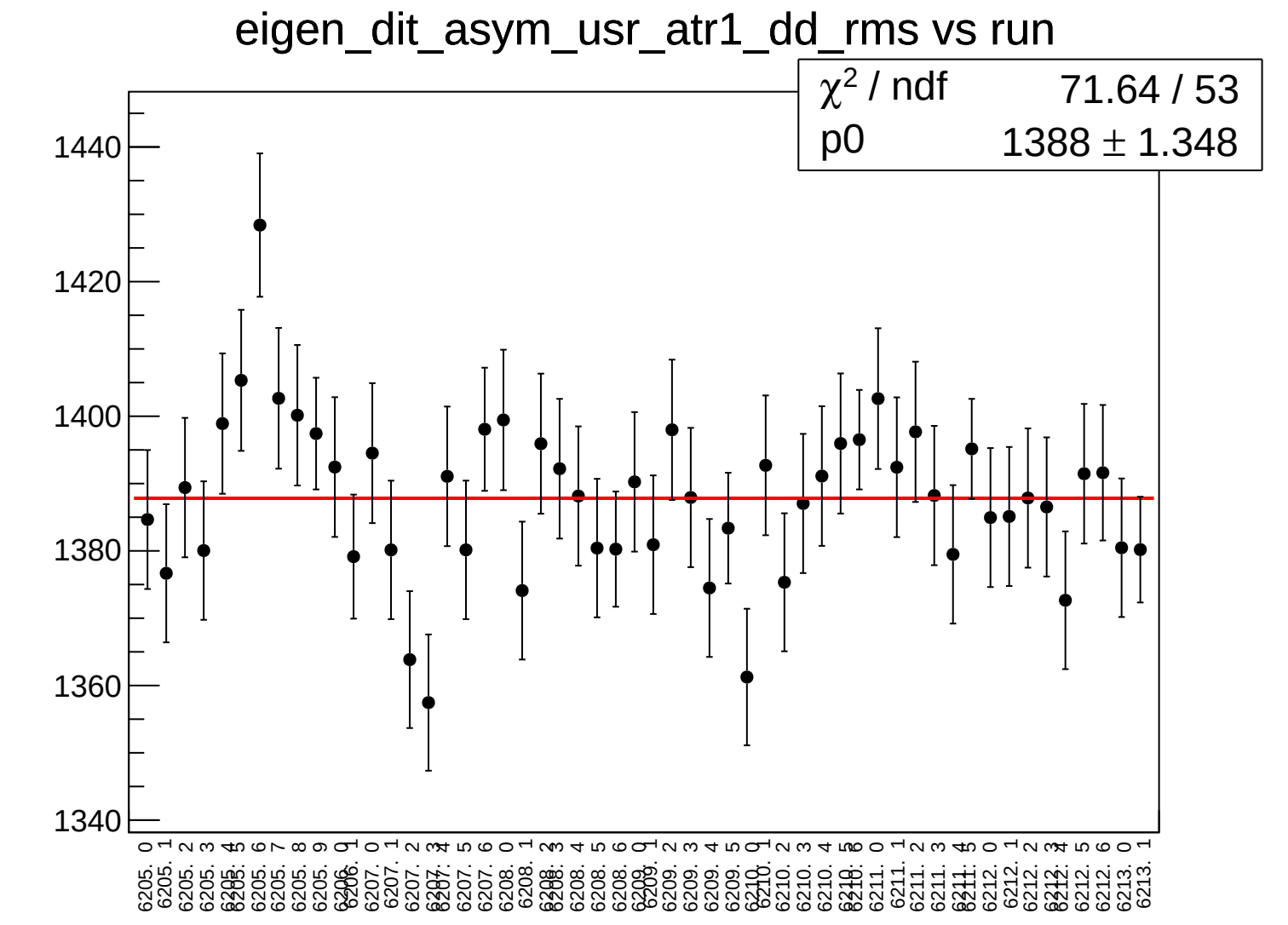

asym_usr_atr1_dd_dit_correction_mean vs run
χ² / ndf 41.46 / 53
p0 321.7 ± 1986
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 2.058
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

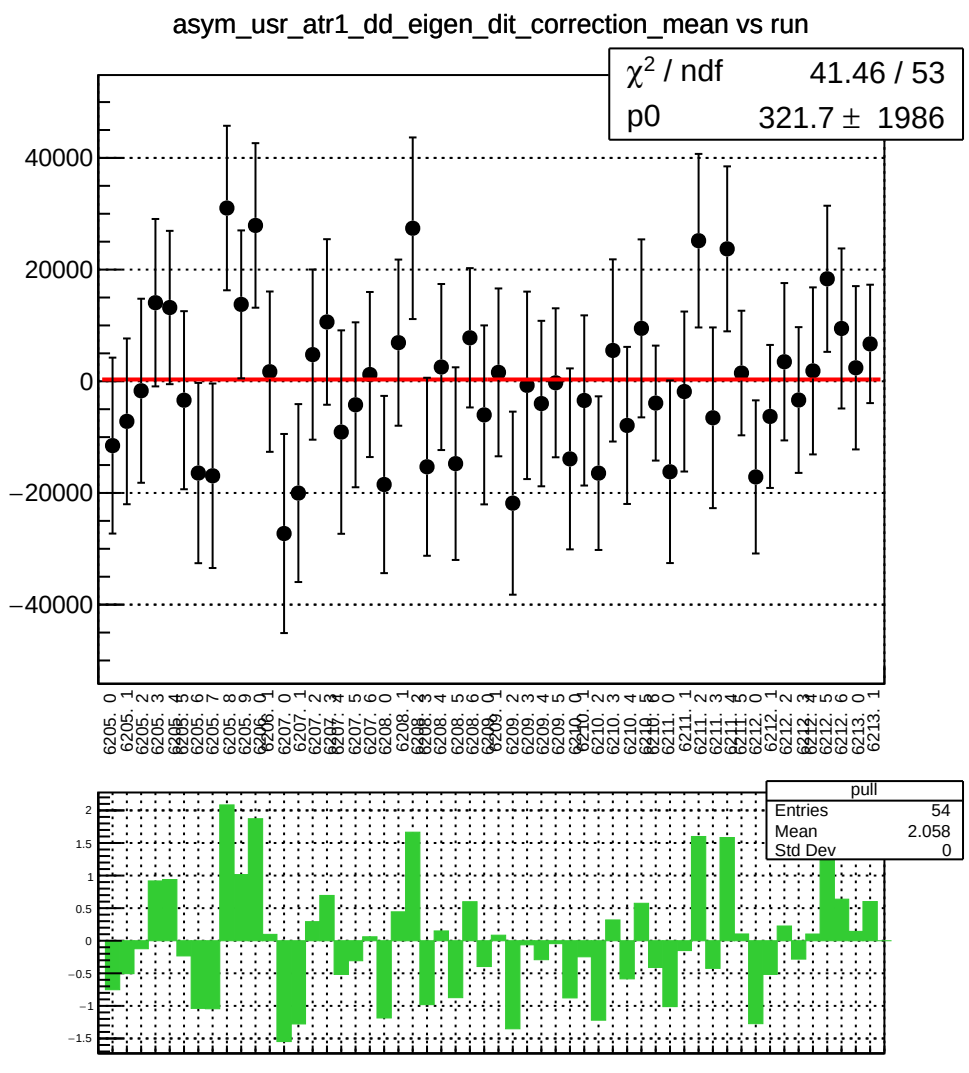

pull1D
Entries 54
Mean −0.02479
Std Dev 0.8759
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

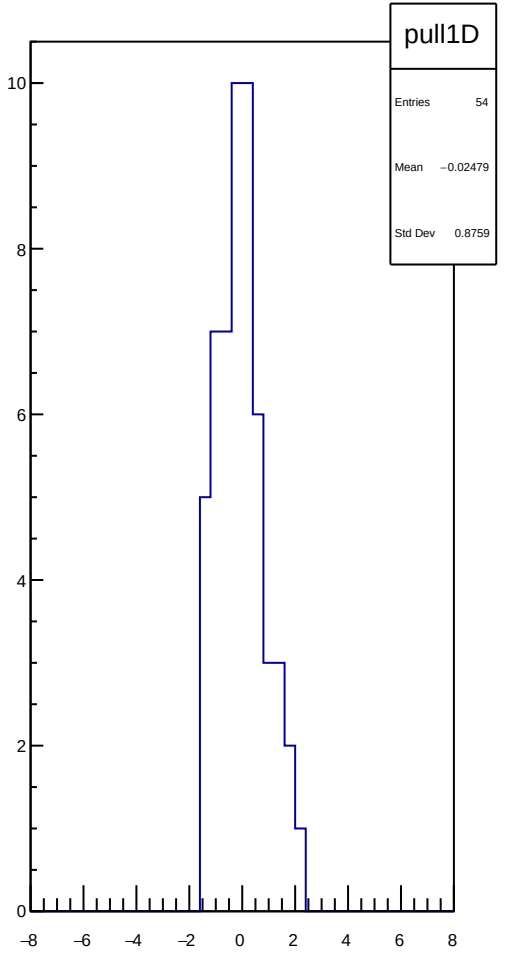

asym_usr_atr1_dd_dit_correction_rms vs run
χ² / ndf 6119 / 53
p0 1442 ± 1.405
1700
1600
1500
1400
1300
1200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

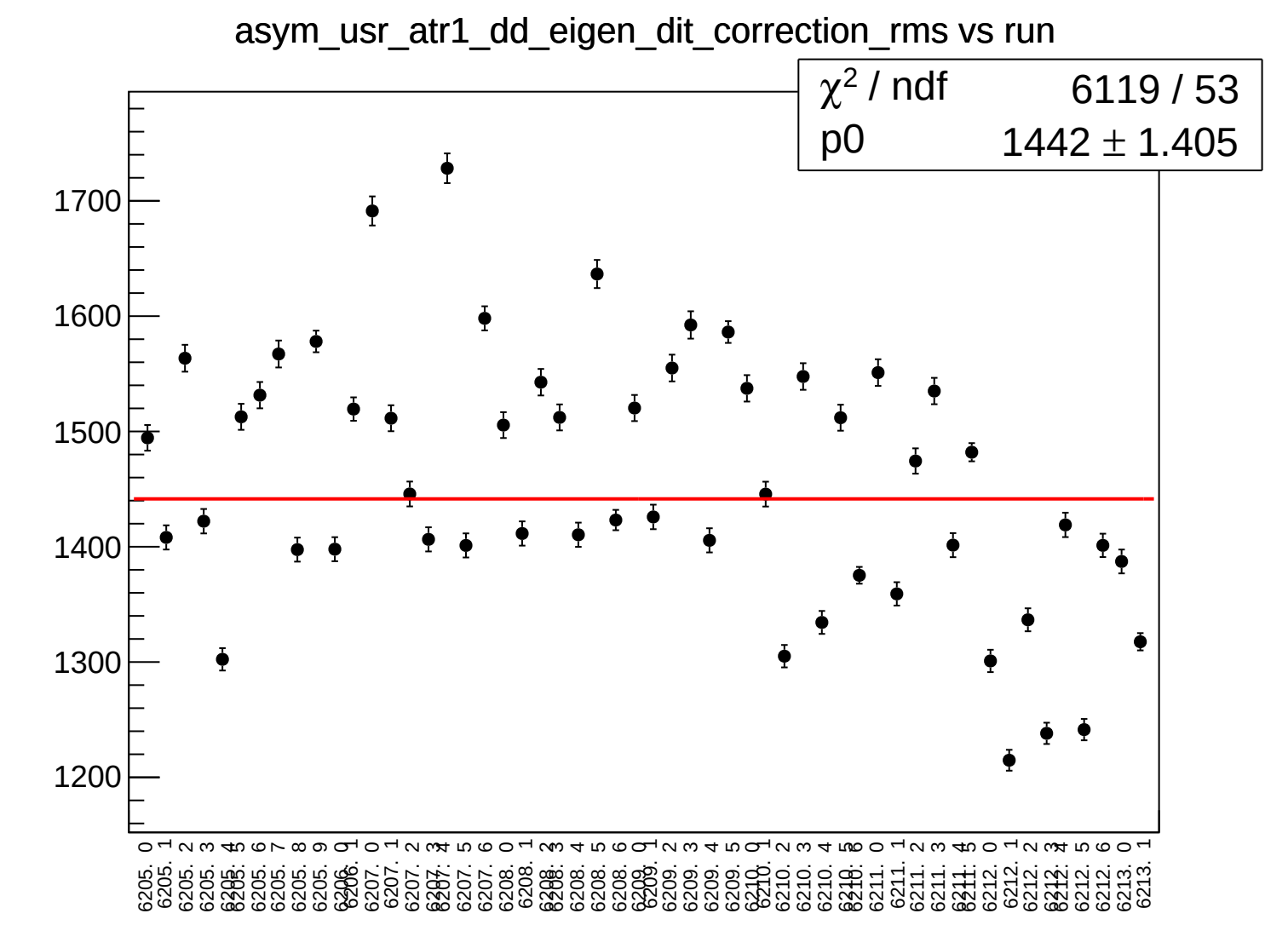

eigen_dit_asym_usr_atr1_dd_mean vs run
χ² / ndf 52.26 / 53
p0 −706 ± 1907
pull
Entries 54
Mean 871.4
Std Dev 0

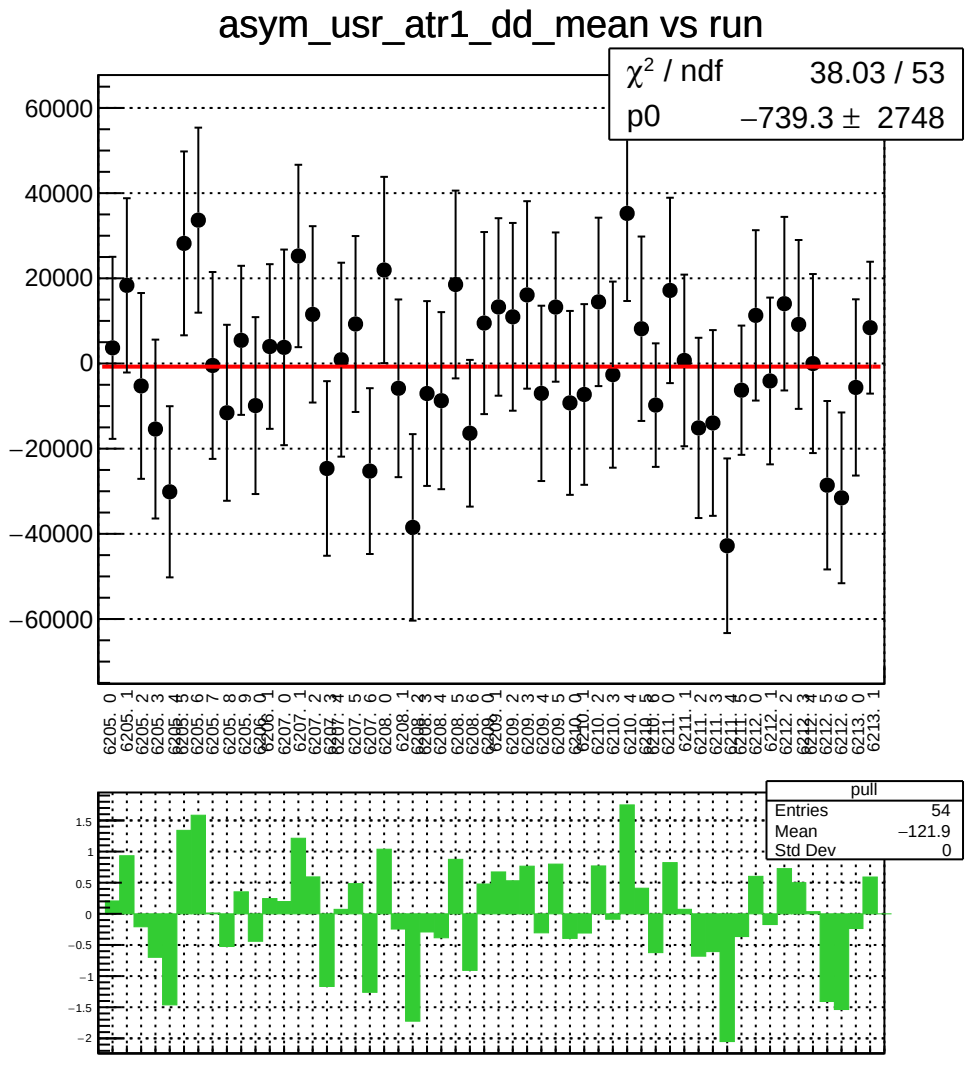

pull1D
Entries 54
Mean −0.00179
Std Dev 0.9838

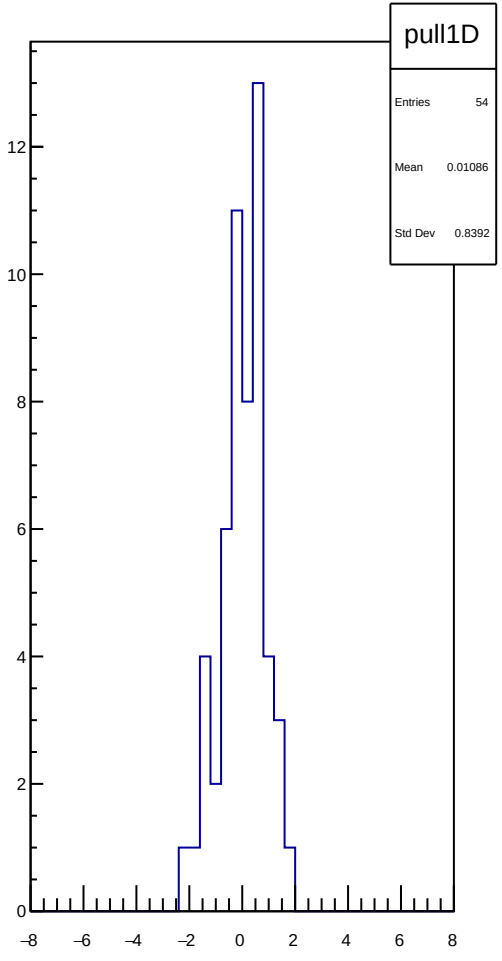

eigen_dit_asym_usr_atr1_dd_rms vs run
χ² / ndf 71.64 / 53
p0 1388 ± 1.348
1440
1420
1400
1380
1360
1340
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

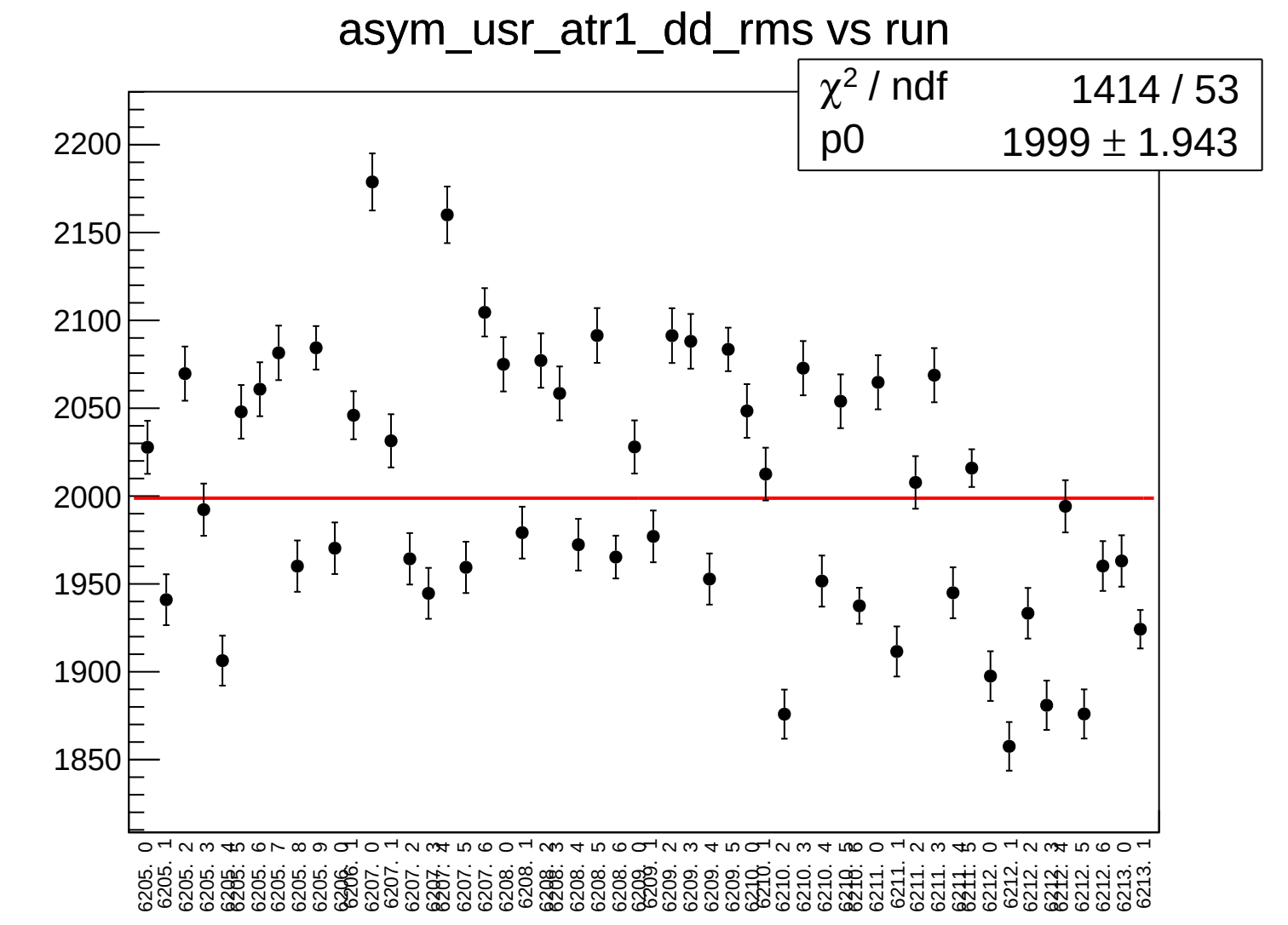

asym_usr_atr1_dd_eigen_dit_correction_mean vs run
χ² / ndf 41.46 / 53
p0 321.7 ± 1986
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 2.058
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

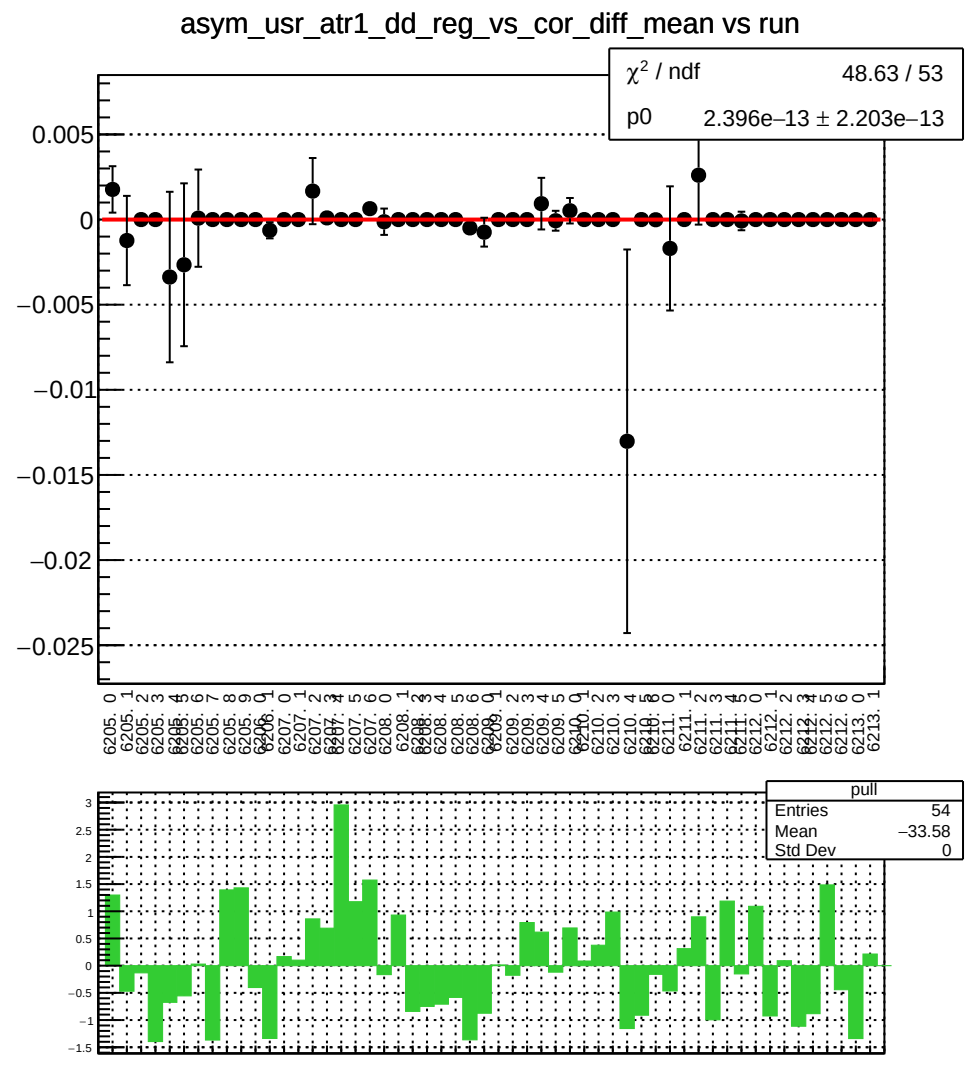

pull1D
Entries 54
Mean −0.02479
Std Dev 0.8759
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

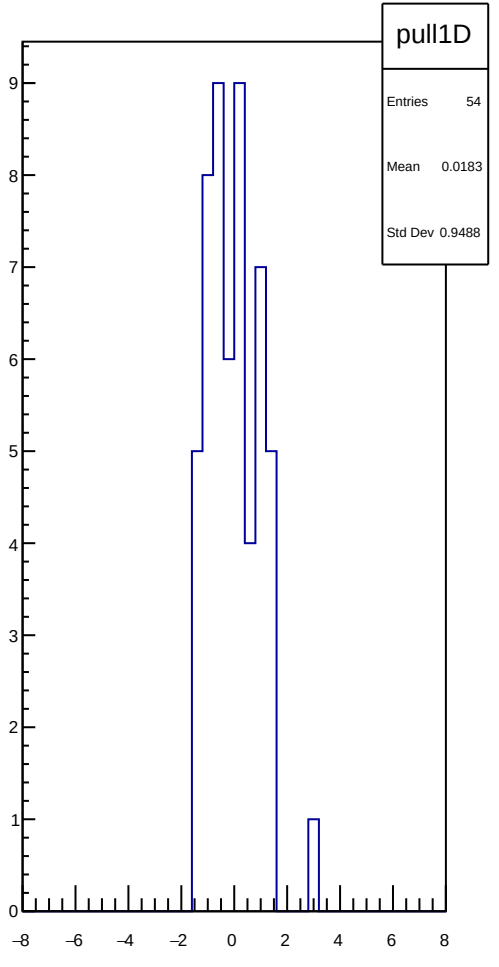

asym_usr_atr1_dd_eigen_dit_correction_rms vs run
χ² / ndf 6119 / 53
p0 1442 ± 1.405
1700
1600
1500
1400
1300
1200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

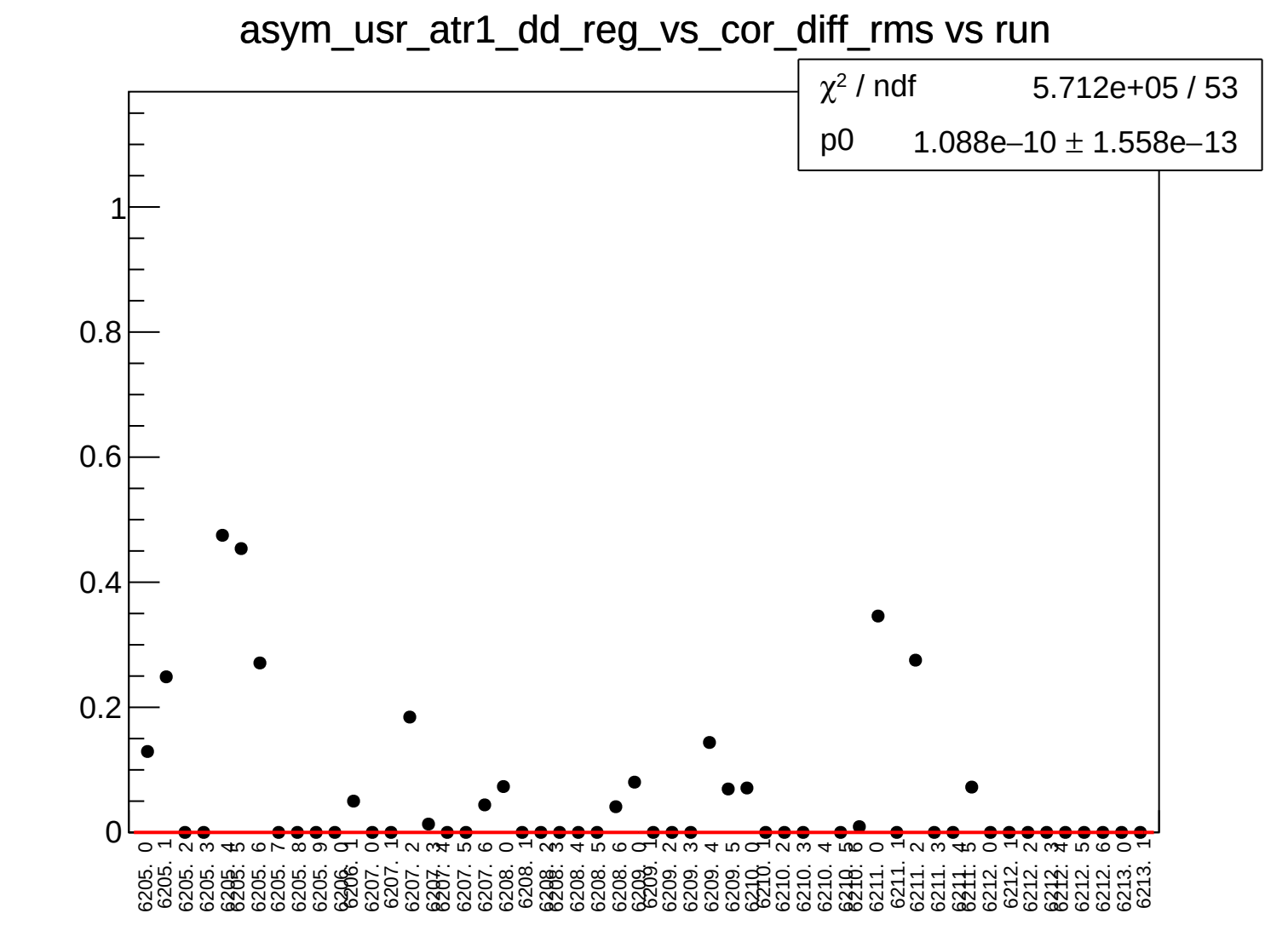

asym_usr_atr1_dd_mean vs run
χ² / ndf 38.03 / 53
p0 −739.3 ± 2748
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean −121.9
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

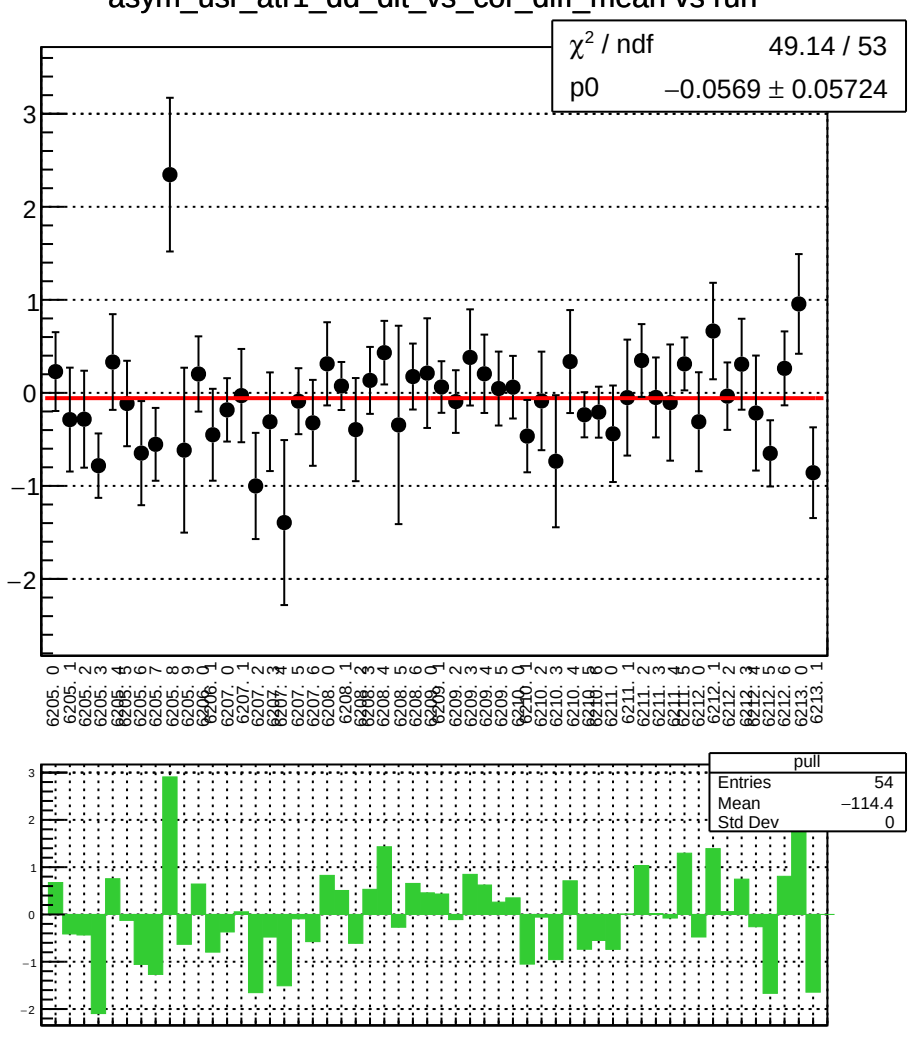

pull1D
Entries 54
Mean 0.01086
Std Dev 0.8392
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

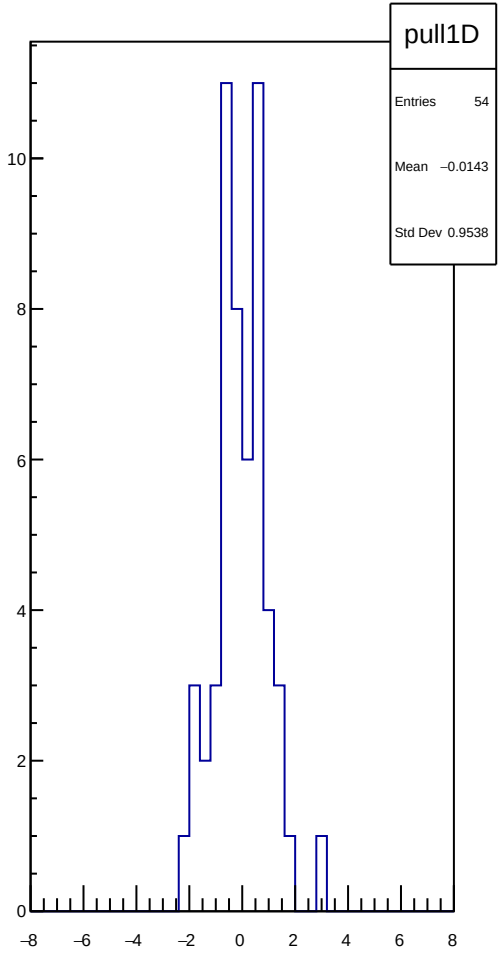

asym_usr_atr1_dd_rms vs run
χ² / ndf 1414 / 53
p0 1999 ± 1.943
2200
2150
2100
2050
2000
1950
1900
1850
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

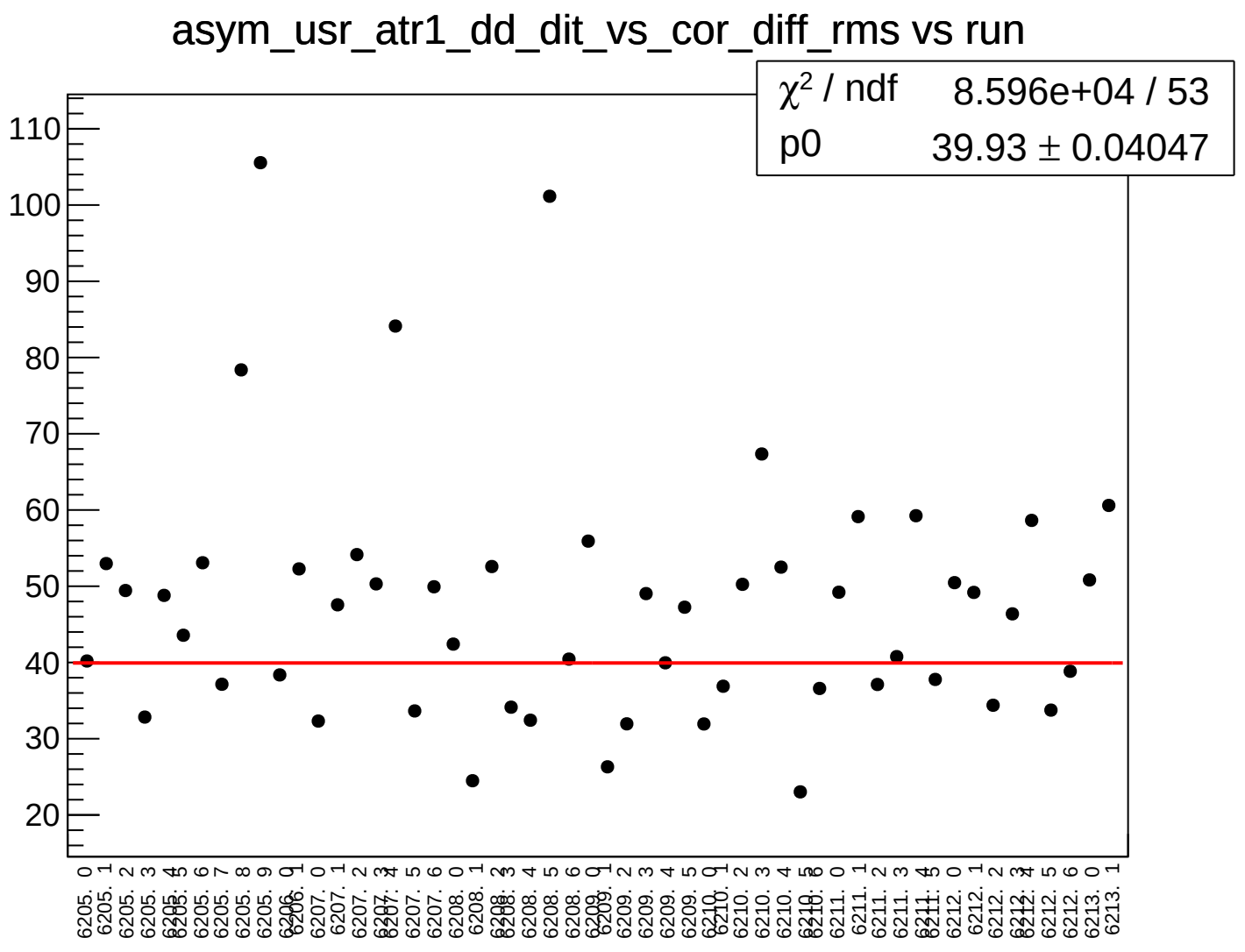

asym_usr_atr1_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 48.63 / 53
p0 2.396e−13 ± 2.203e−13
0.005
0
−0.005
−0.01
−0.015
−0.02
−0.025
pull
Entries 54
Mean −33.58
Std Dev 0
3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

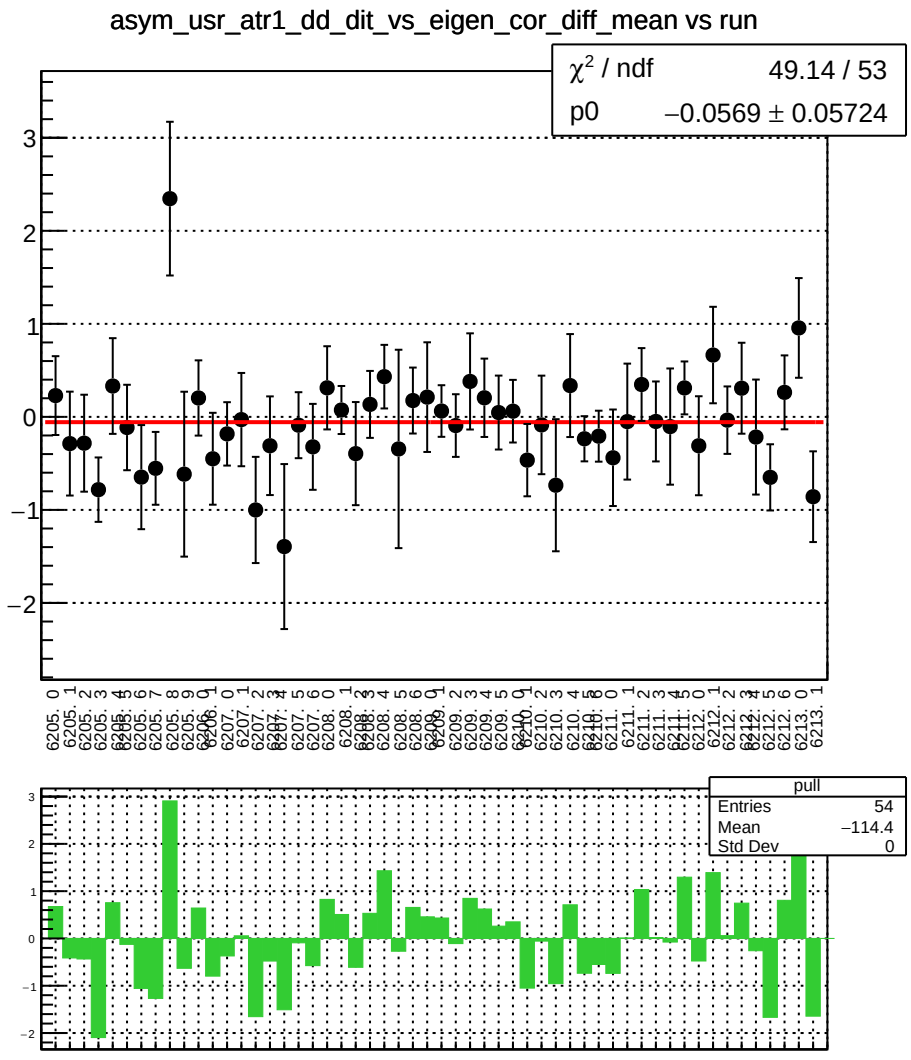

pull1D
Entries 54
Mean 0.0183
Std Dev 0.9488
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

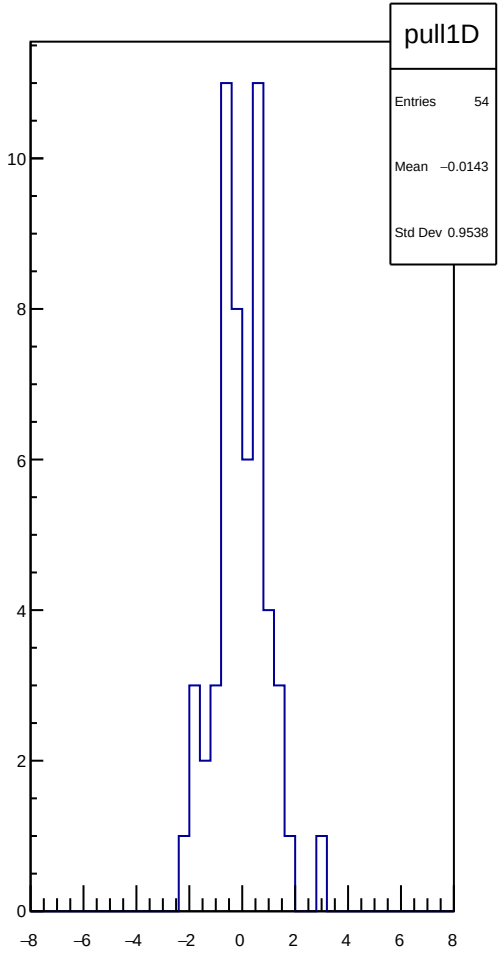

asym_usr_atr1_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.712e+05 / 53
p0 1.088e−10 ± 1.558e−13
1
0.8
0.6
0.4
0.2
0

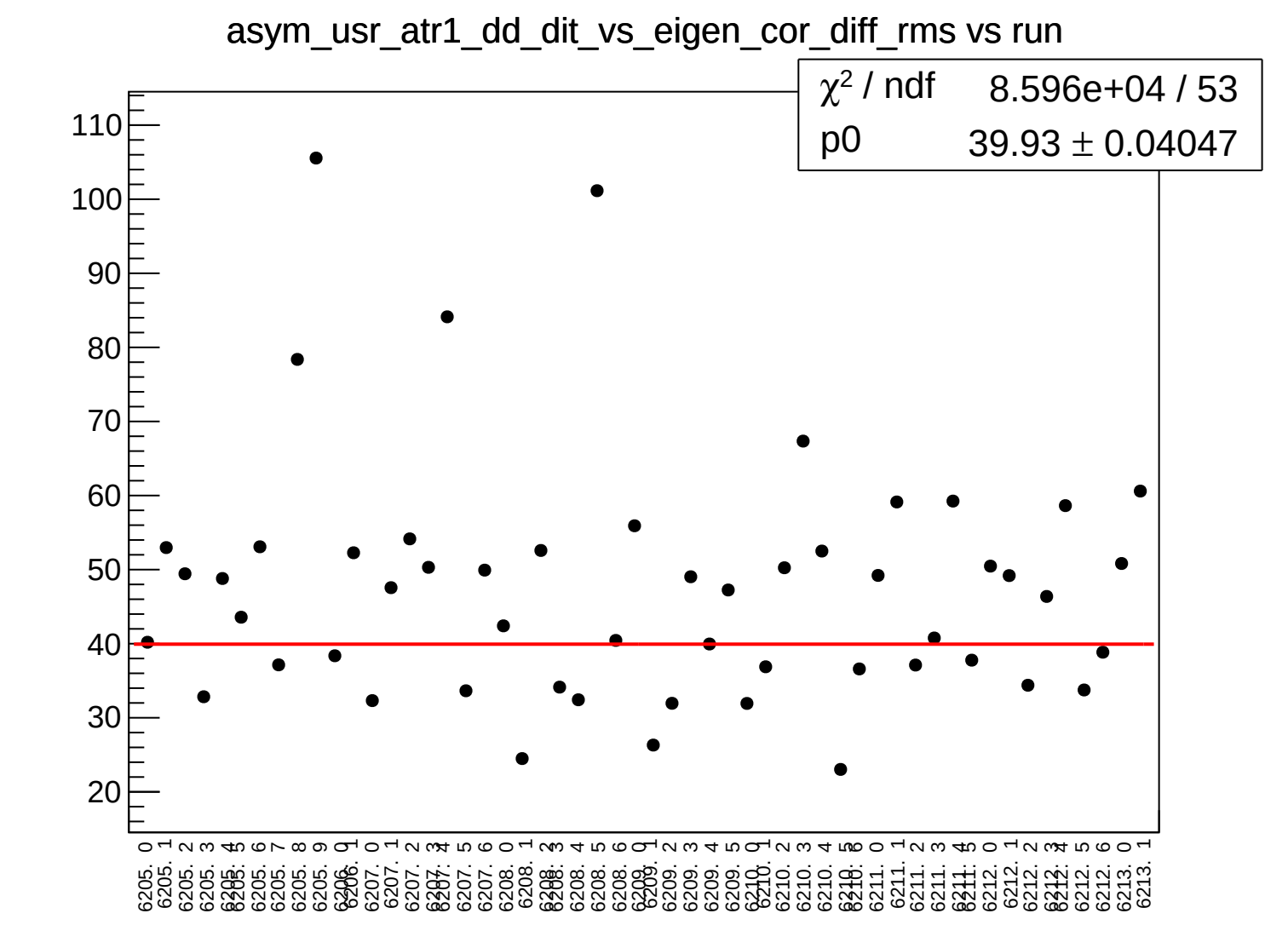

asym_usr_atr1_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 49.14 / 53
p0 −0.0569 ± 0.05724
pull
Entries 54
Mean −114.4
Std Dev 0

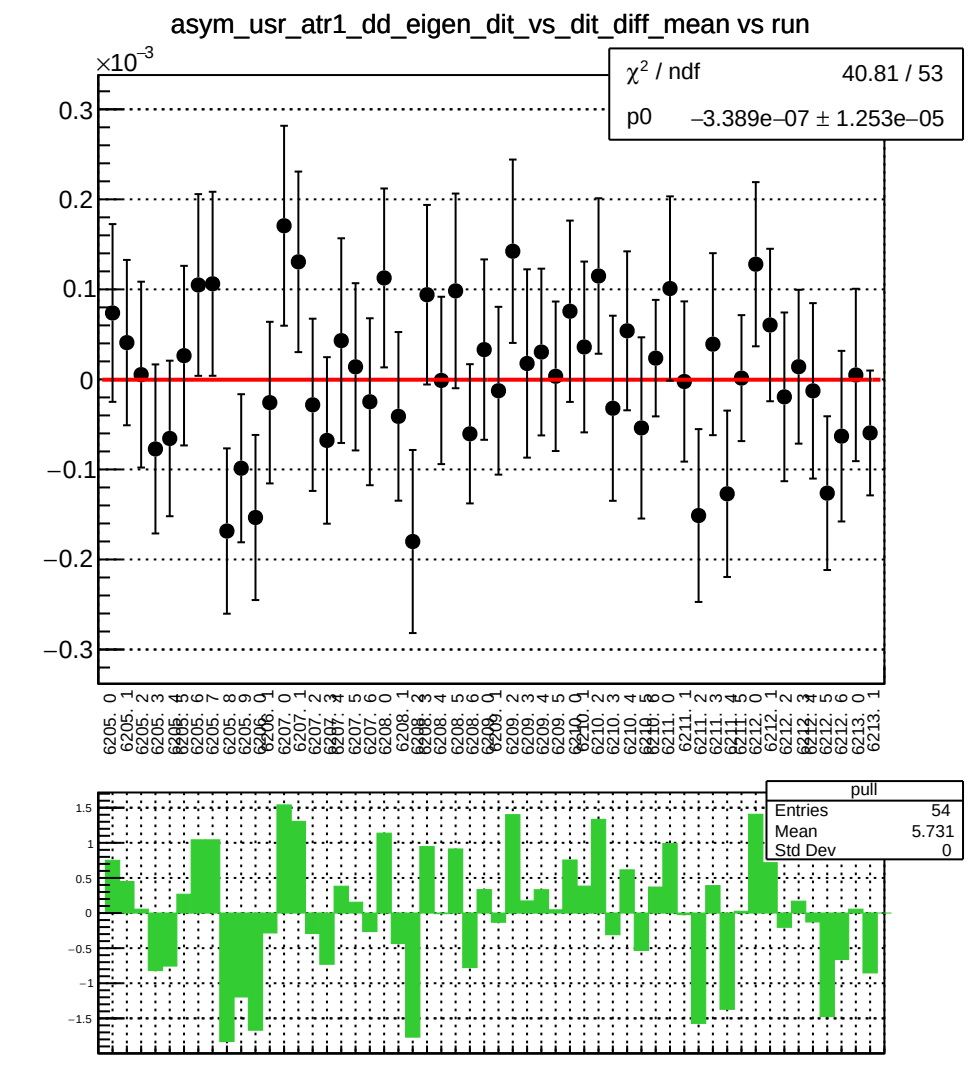

pull1D
Entries 54
Mean −0.0143
Std Dev 0.9538

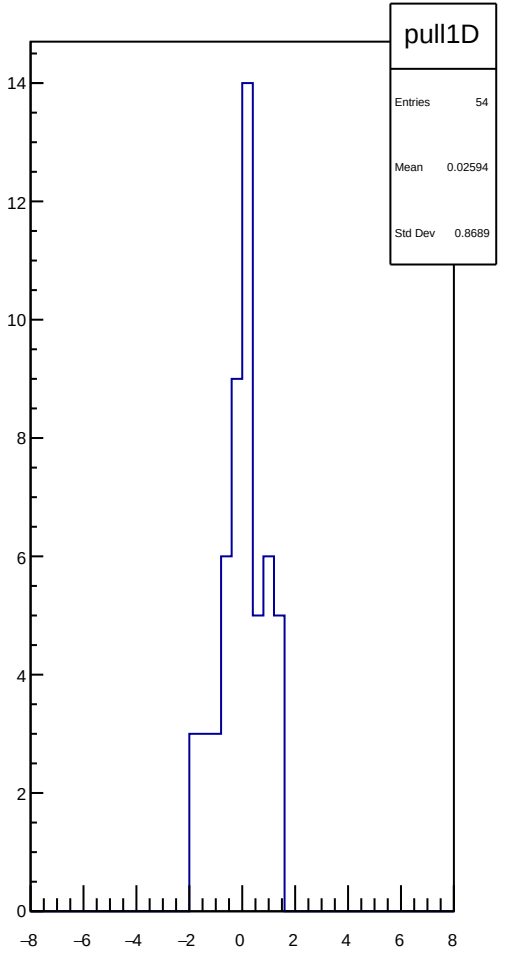

asym_usr_atr1_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 8.596e+04 / 53
p0 39.93 ± 0.04047
110
100
90
80
70
60
50
40
30
20
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

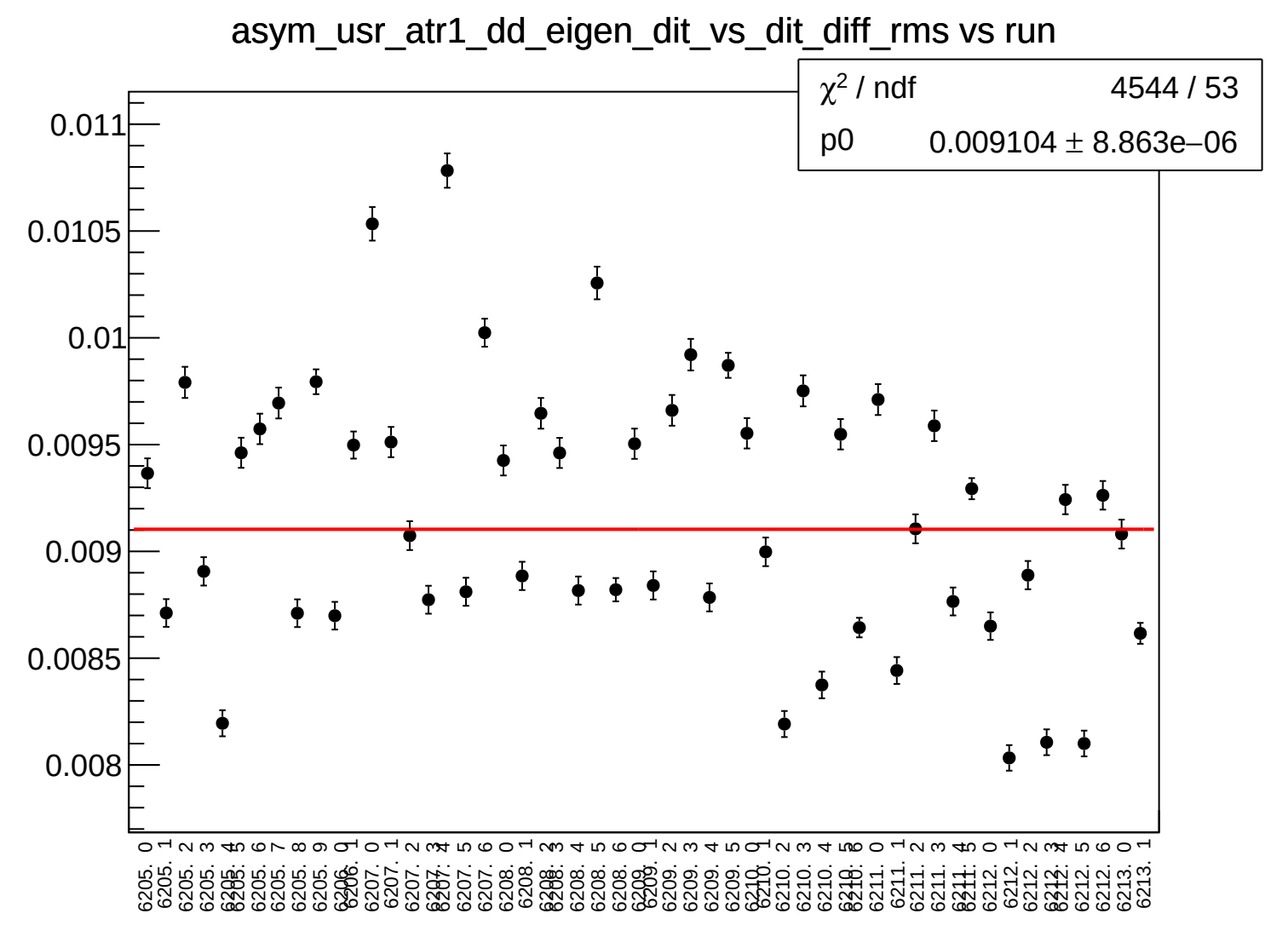

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 49.14 / 53
p0 −0.0569 ± 0.05724
pull
Entries 54
Mean −114.4
Std Dev 0


pull1D
Entries 54
Mean −0.0143
Std Dev 0.9538


asym_usr_atr1_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.596e+04 / 53
p0 39.93 ± 0.04047
110
100
90
80
70
60
50
40
30
20
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1


asym_usr_atr1_dd_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 40.81 / 53
p0 −3.389e−07 ± 1.253e−05
pull
Entries 54
Mean 5.731
Std Dev 0


pull1D
Entries 54
Mean 0.02594
Std Dev 0.8689


asym_usr_atr1_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4544 / 53
p0 0.009104 ± 8.863e−06
0.011
0.0105
0.01
0.0095
0.009
0.0085
0.008
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
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6212. 0
6212. 1
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6212. 3
6212. 4
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6212. 6
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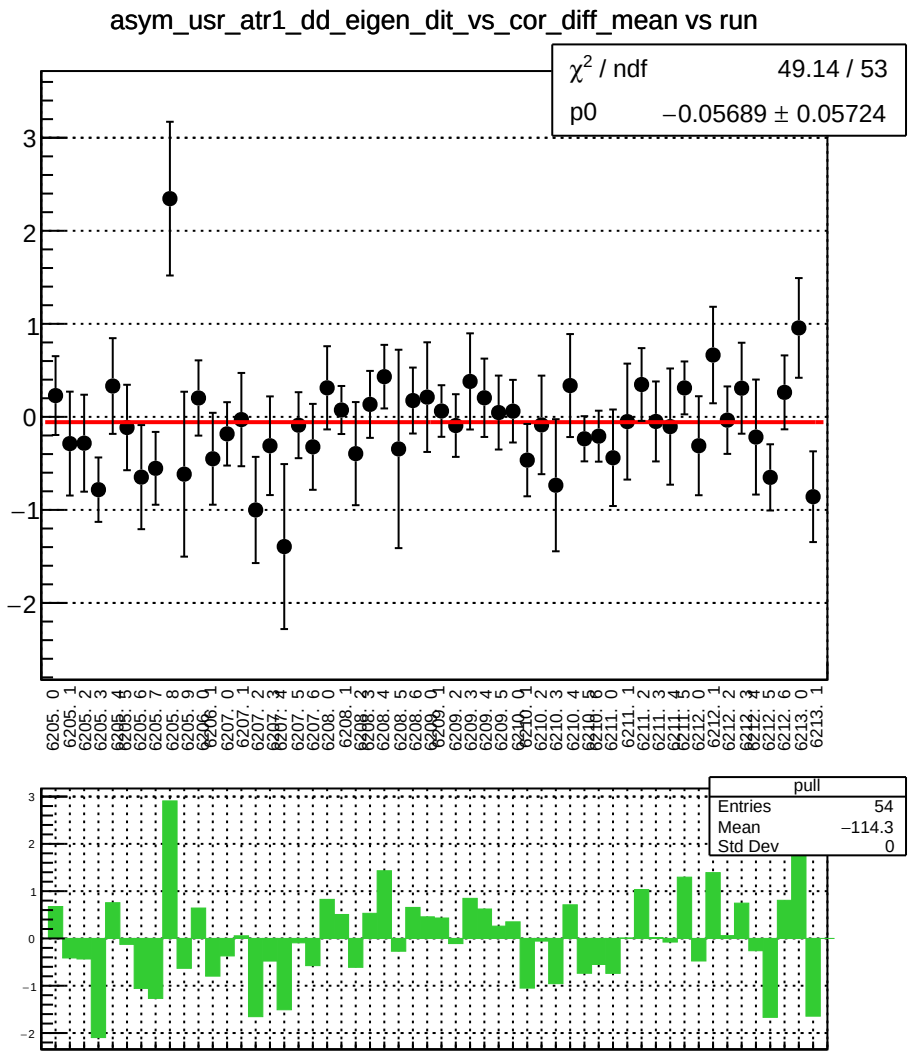
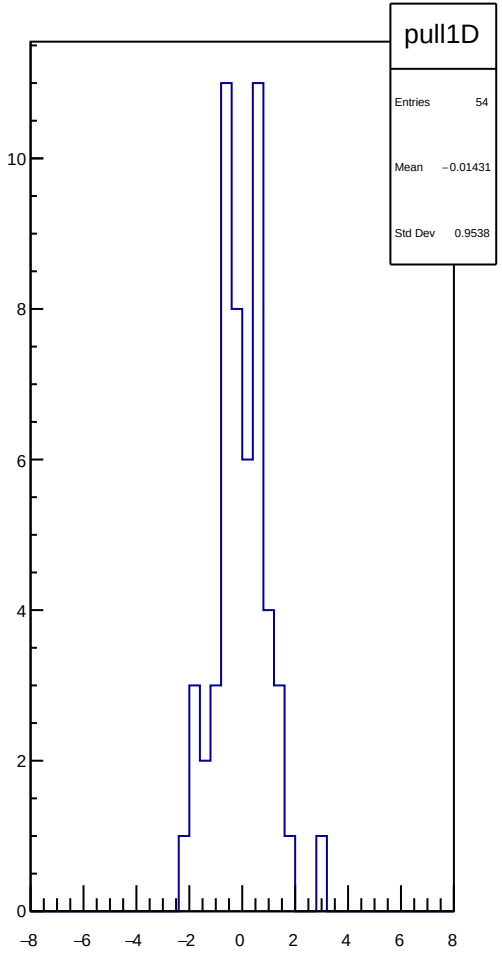
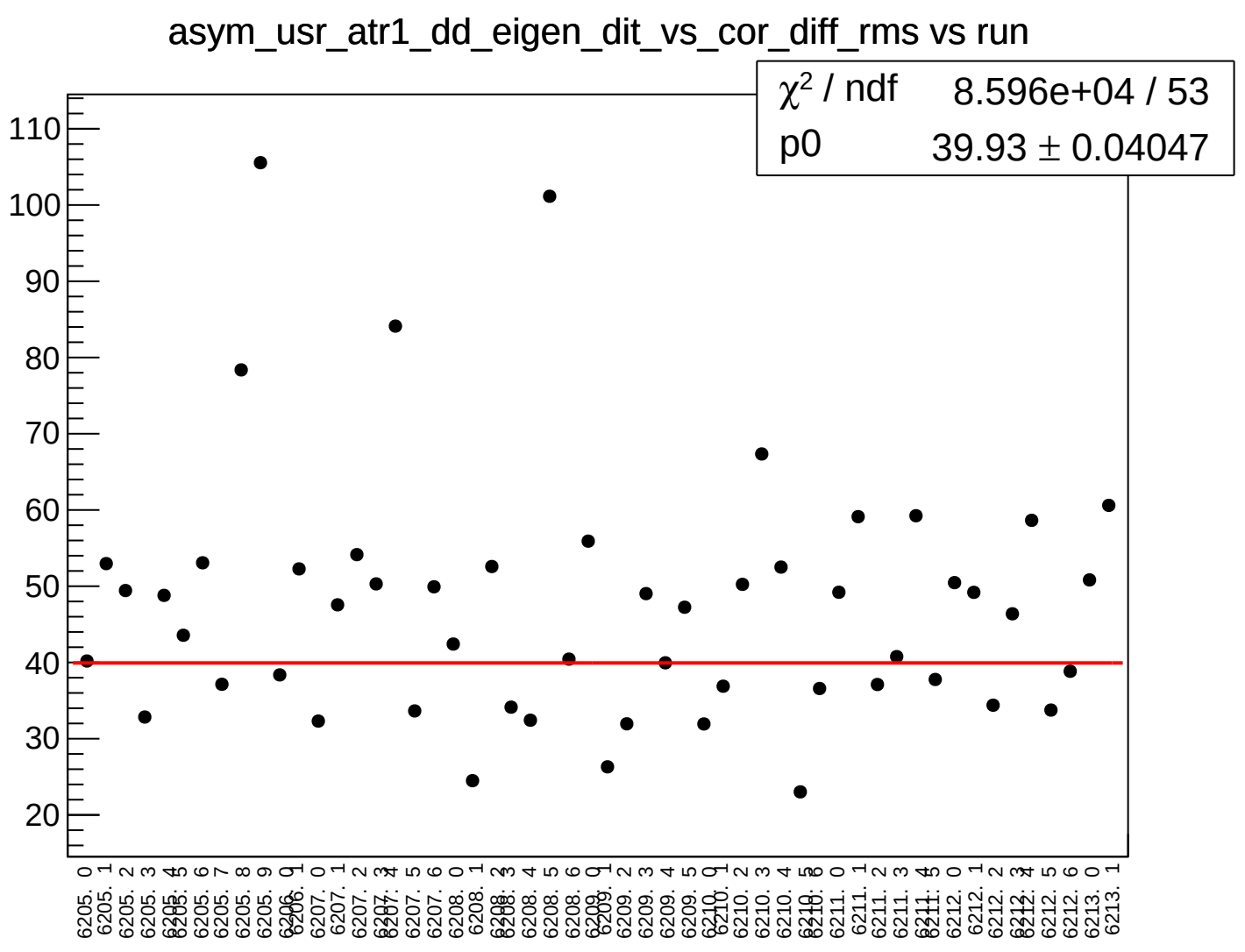
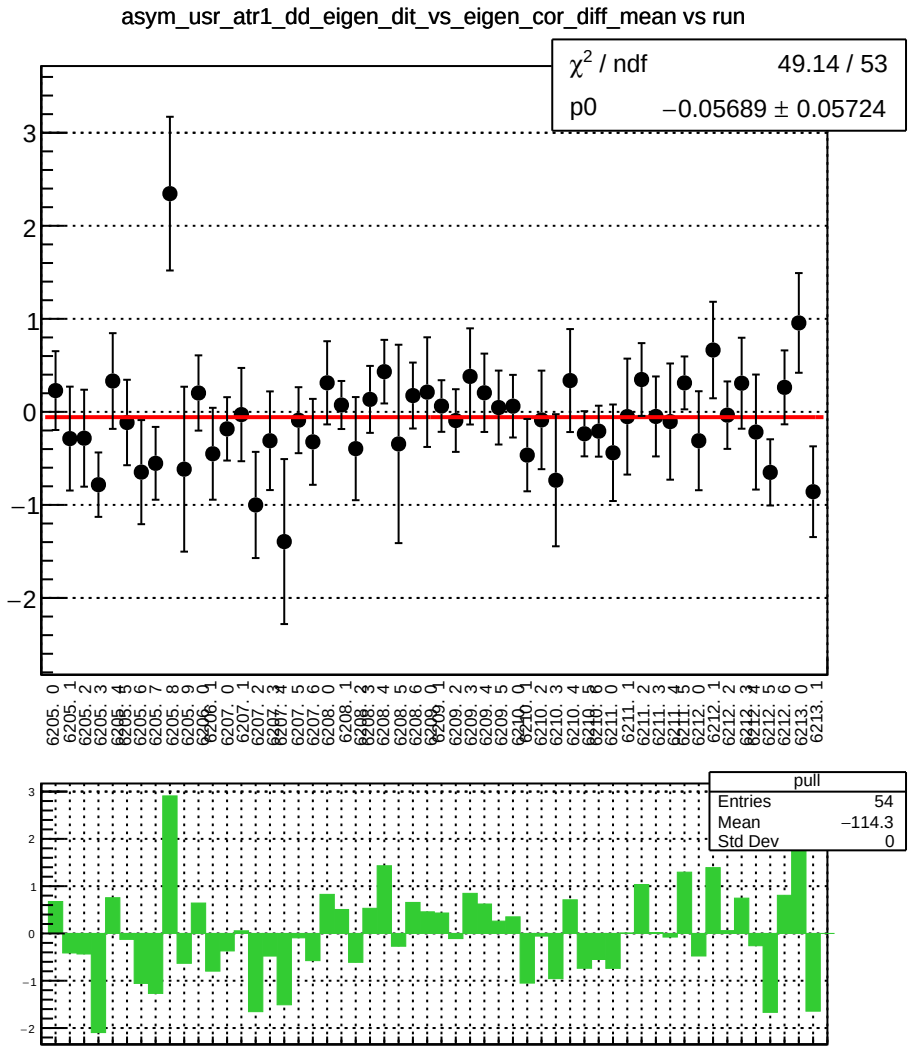
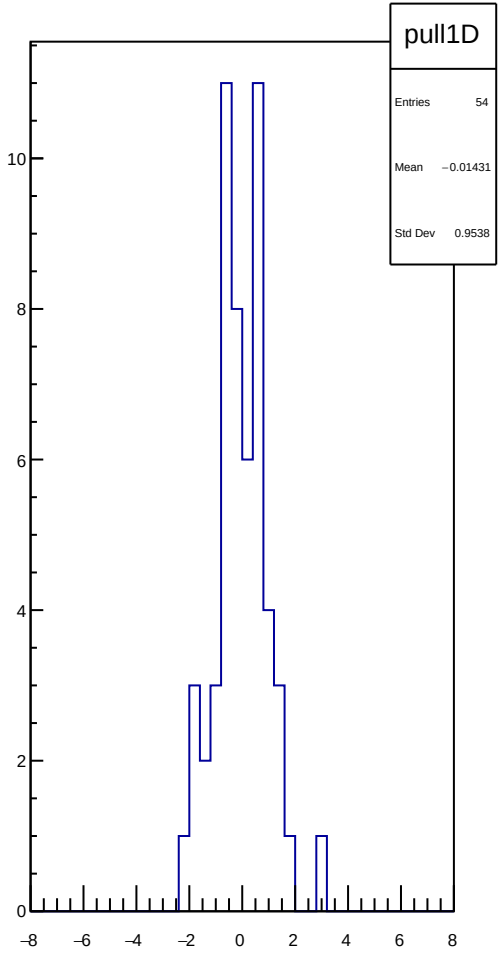
6213. 1

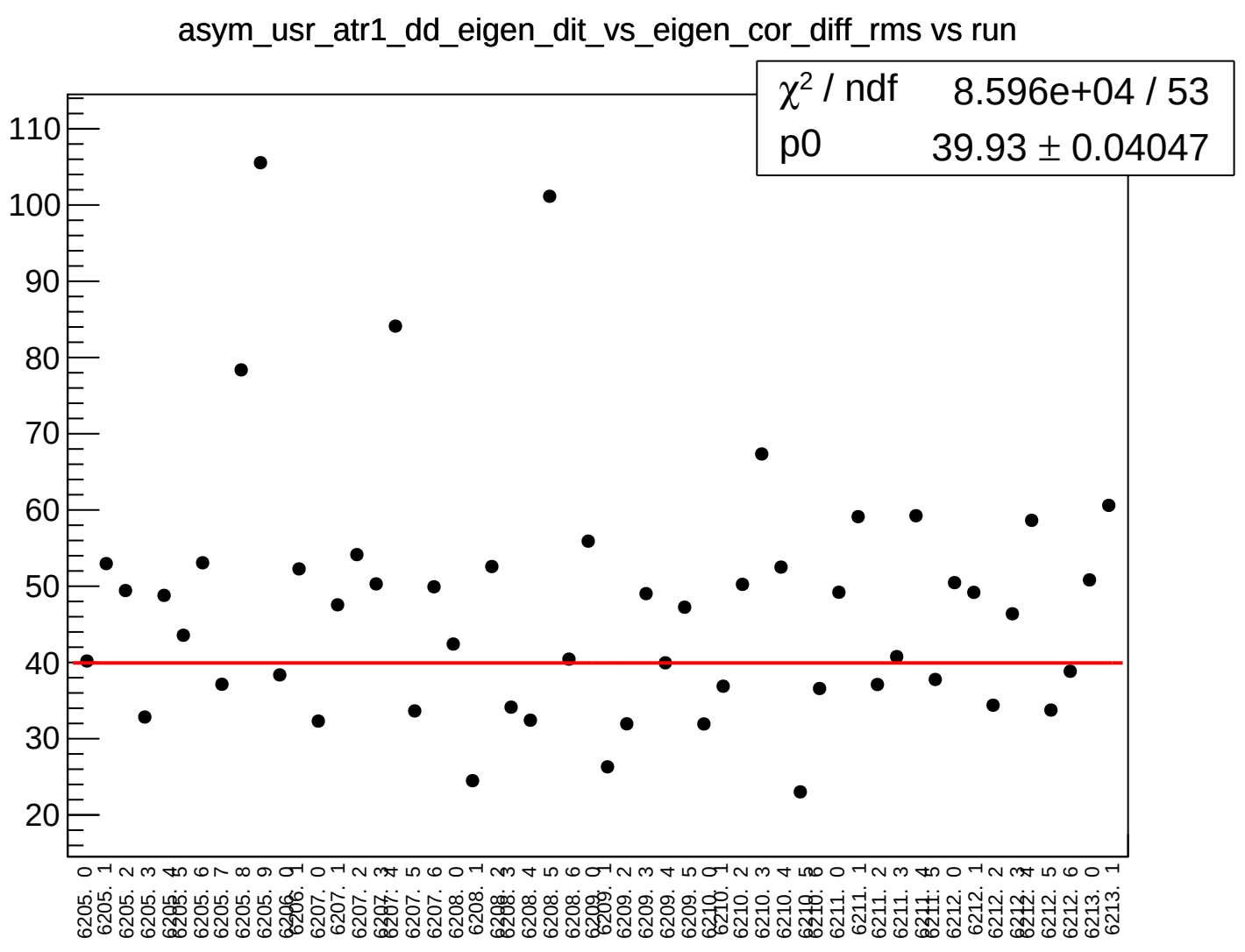

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 49.14 / 53
p0 −0.05689 ± 0.05724
pull
Entries 54
Mean −114.3
Std Dev 0

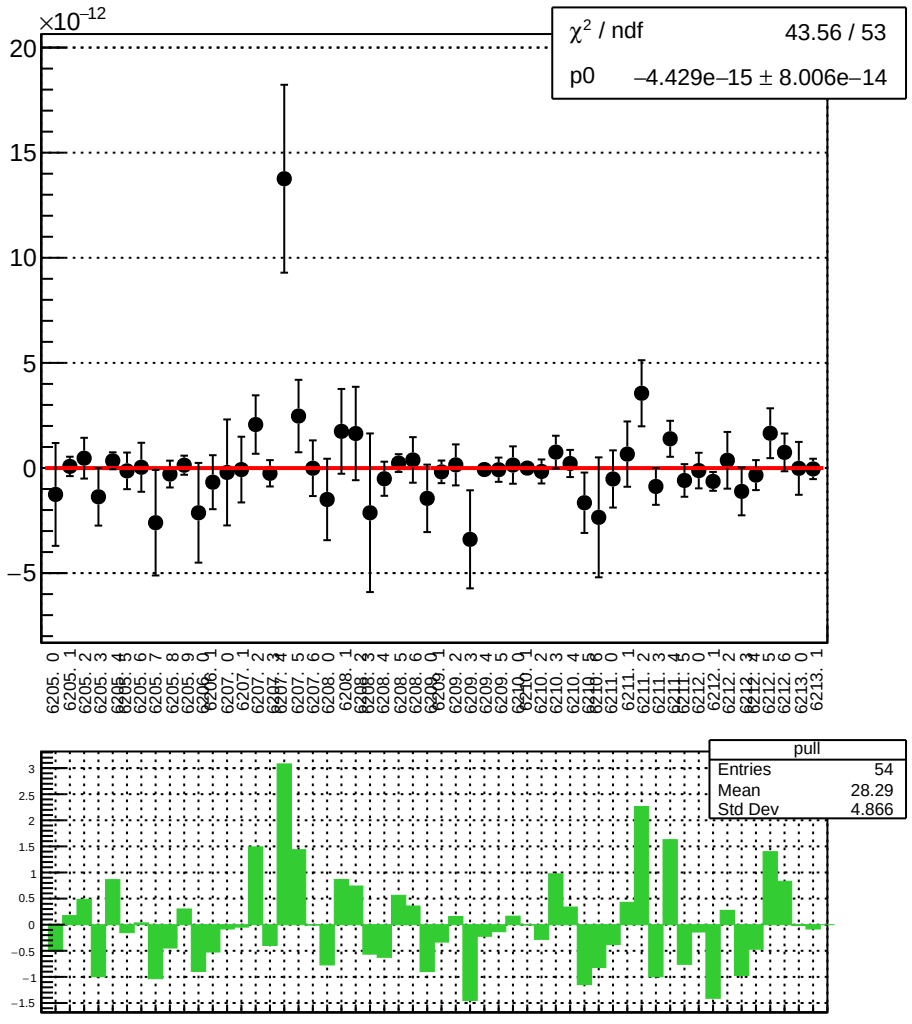

pull1D
Entries 54
Mean −0.01431
Std Dev 0.9538

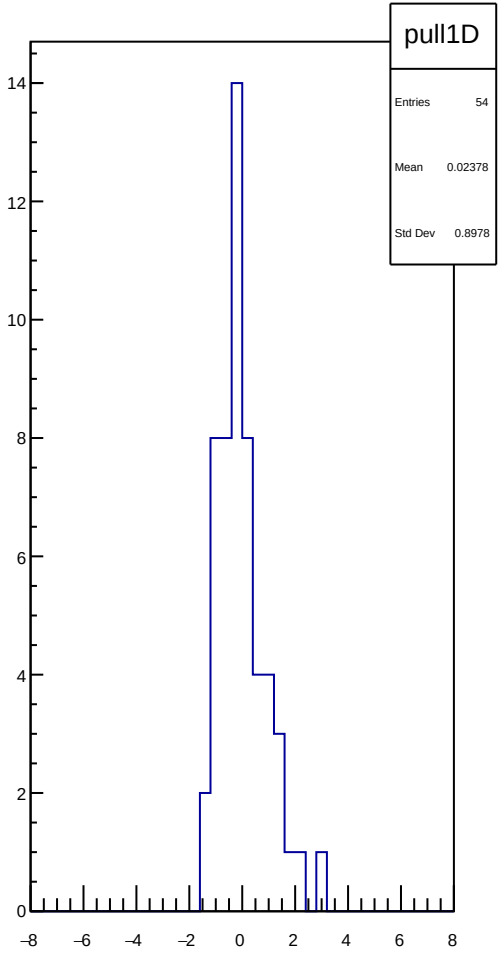

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 8.596e+04 / 53
p0 39.93 ± 0.04047
110
100
90
80
70
60
50
40
30
20
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

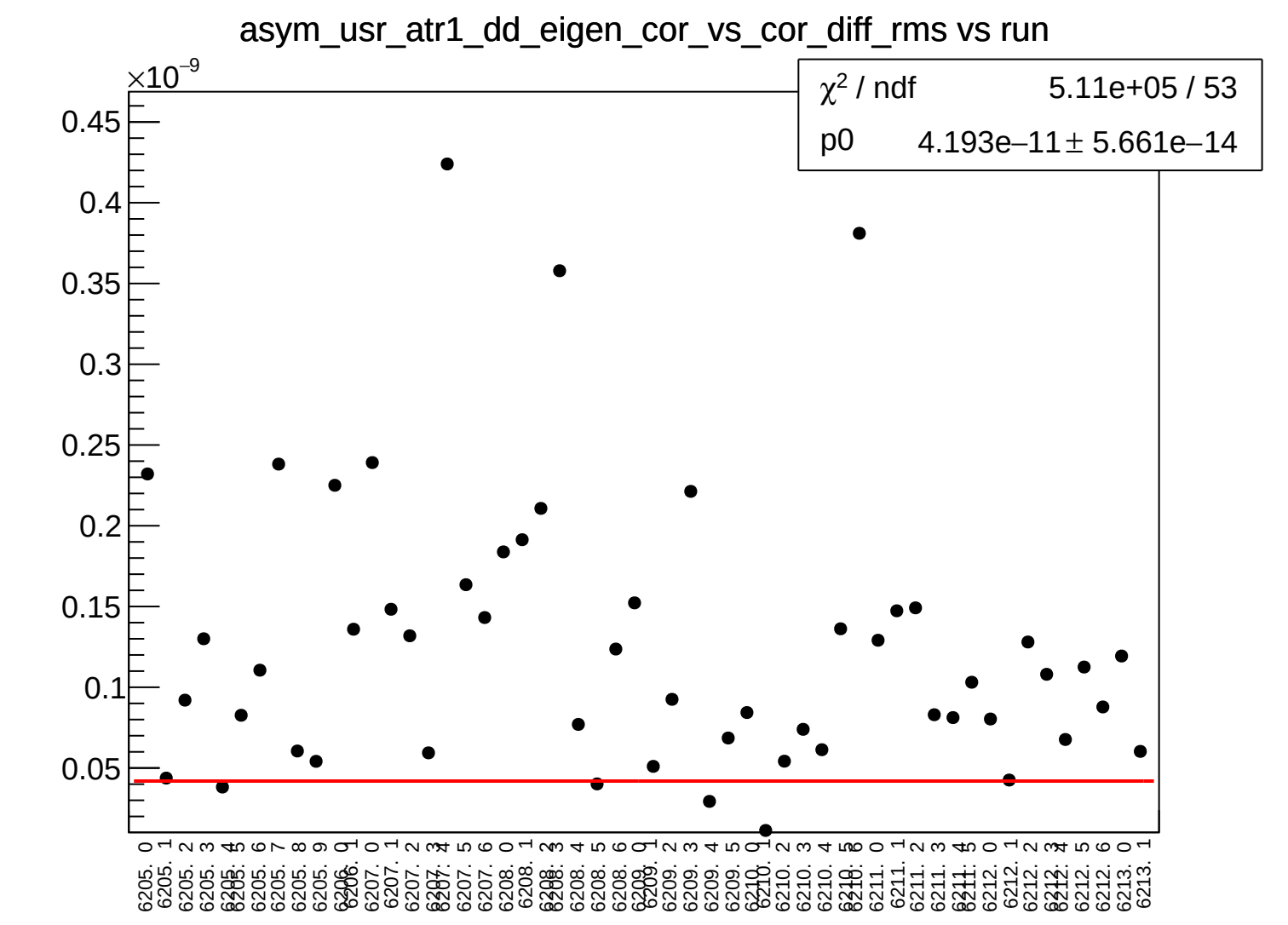

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 49.14 / 53
p0 −0.05689 ± 0.05724
pull
Entries 54
Mean −114.3
Std Dev 0

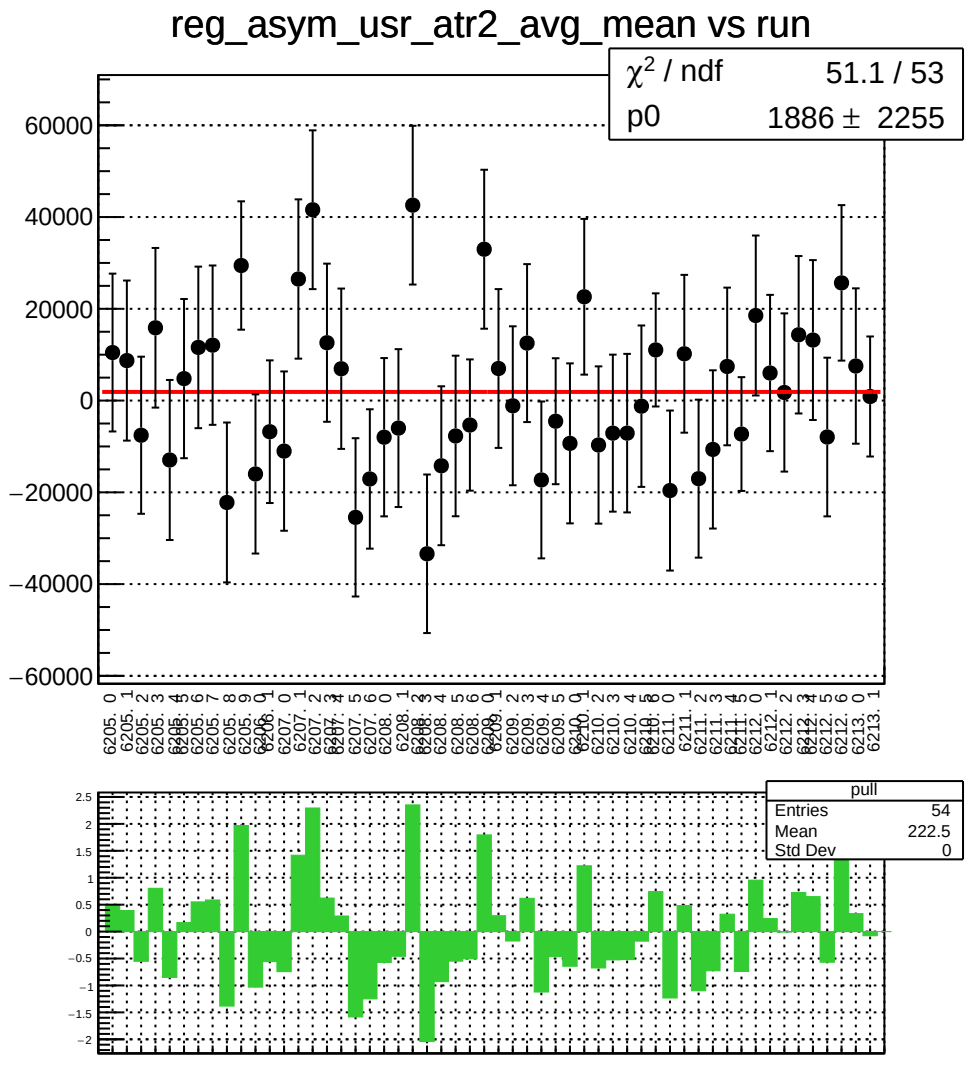

pull1D
Entries 54
Mean −0.01431
Std Dev 0.9538

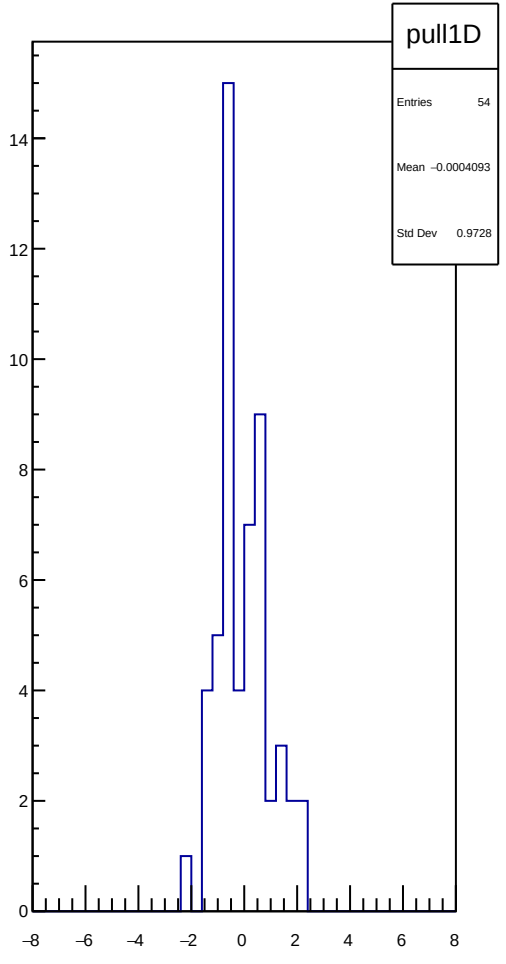

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.596e+04 / 53
p0 39.93 ± 0.04047
110
100
90
80
70
60
50
40
30
20
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

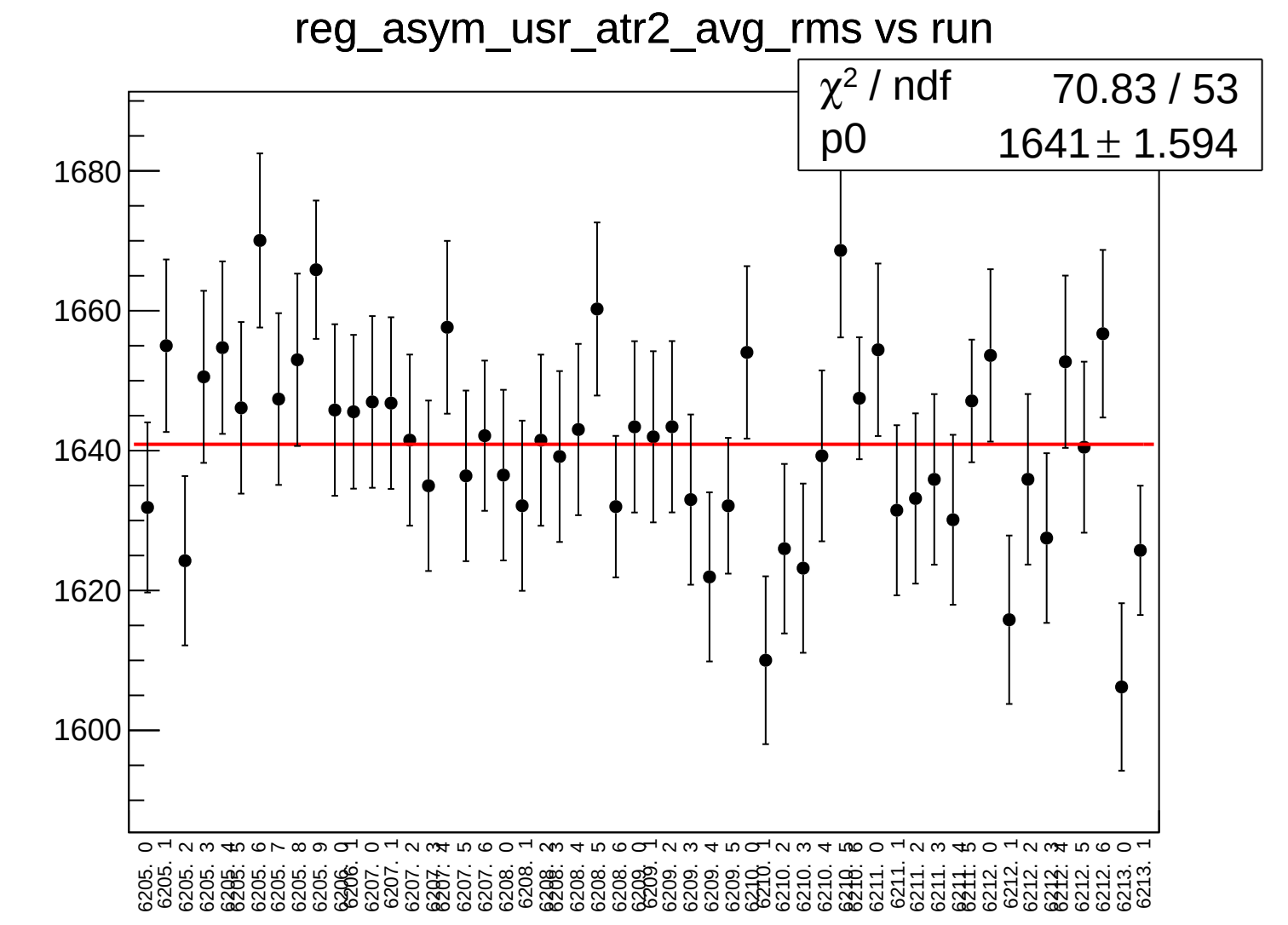

asym_usr_atr1_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 43.56 / 53
p0 −4.429e−15 ± 8.006e−14
pull
Entries 54
Mean 28.29
Std Dev 4.866

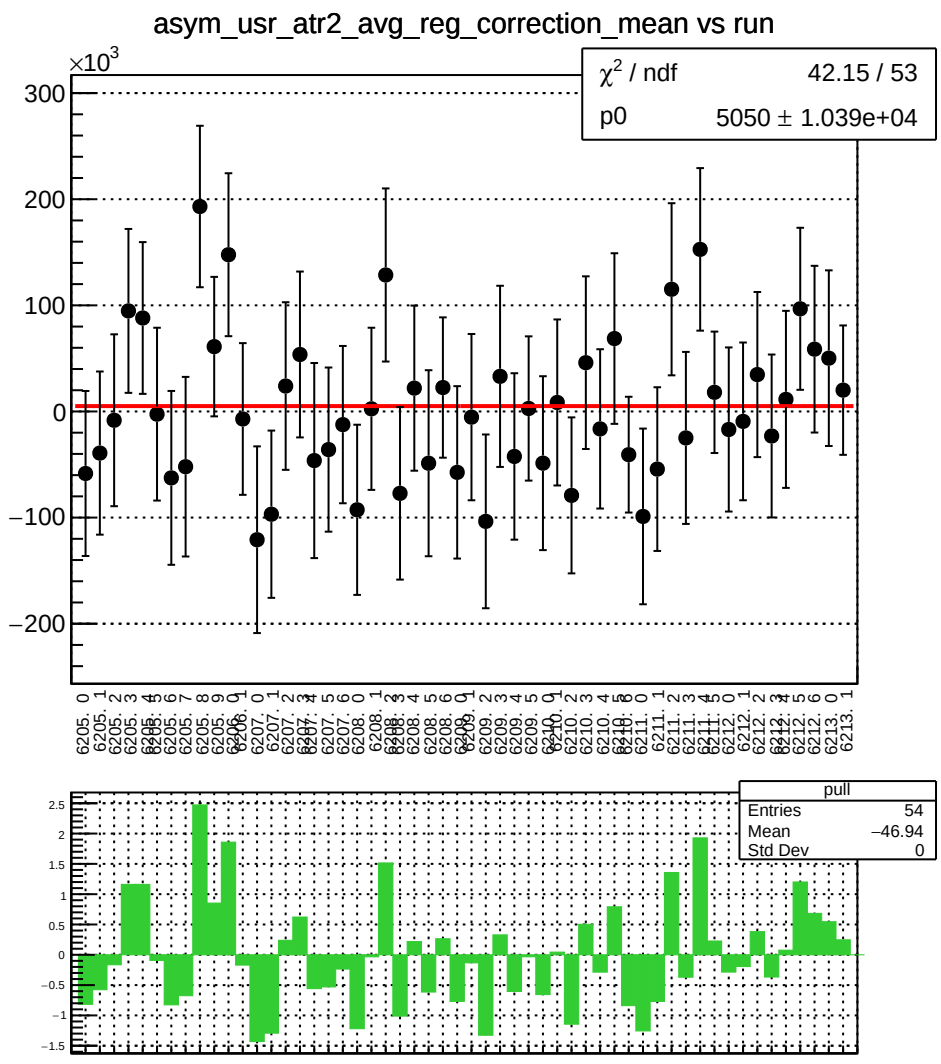

pull1D
Entries 54
Mean 0.02378
Std Dev 0.8978

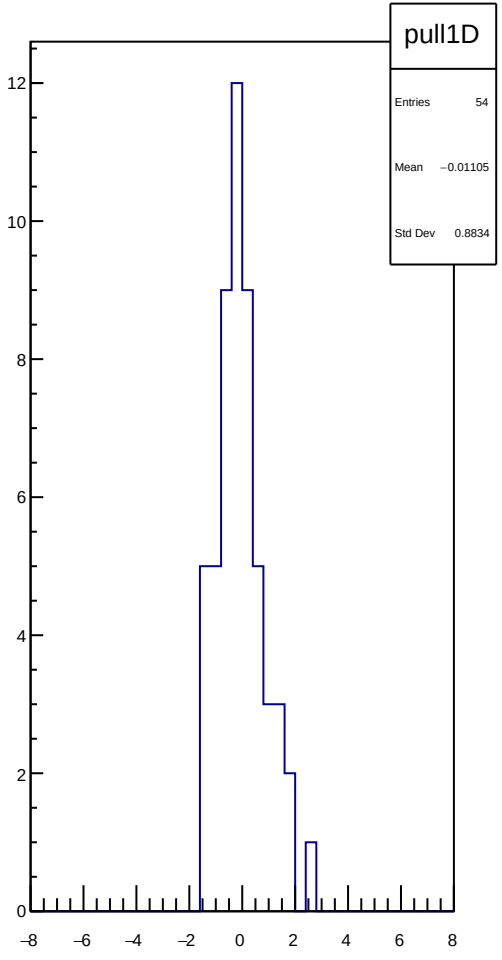

asym_usr_atr1_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.11e+05 / 53
p0 4.193e−11 ± 5.661e−14
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

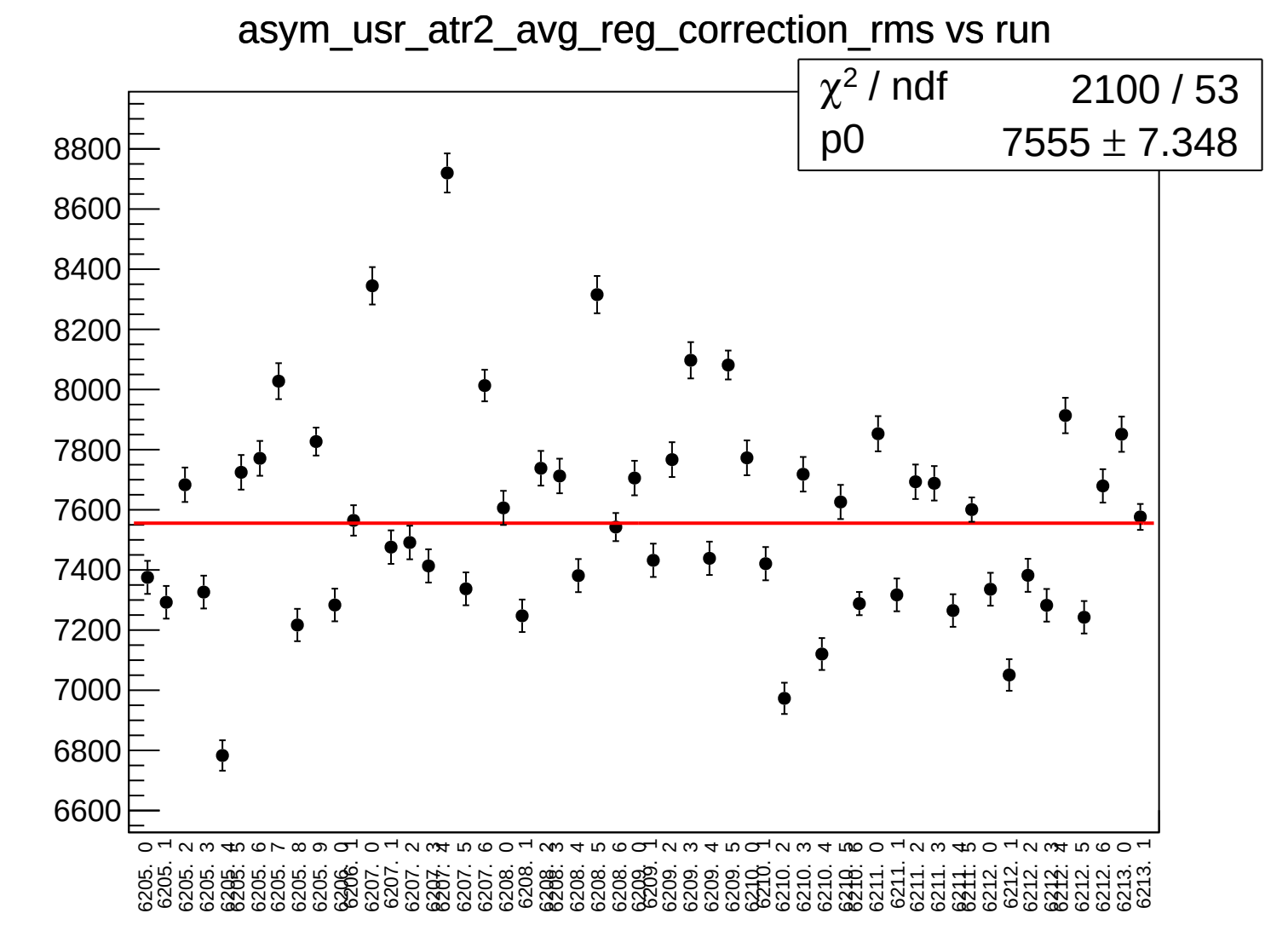

reg_asym_usr_atr2_avg_mean vs run
χ² / ndf 51.1 / 53
p0 1886 ± 2255
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 222.5
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

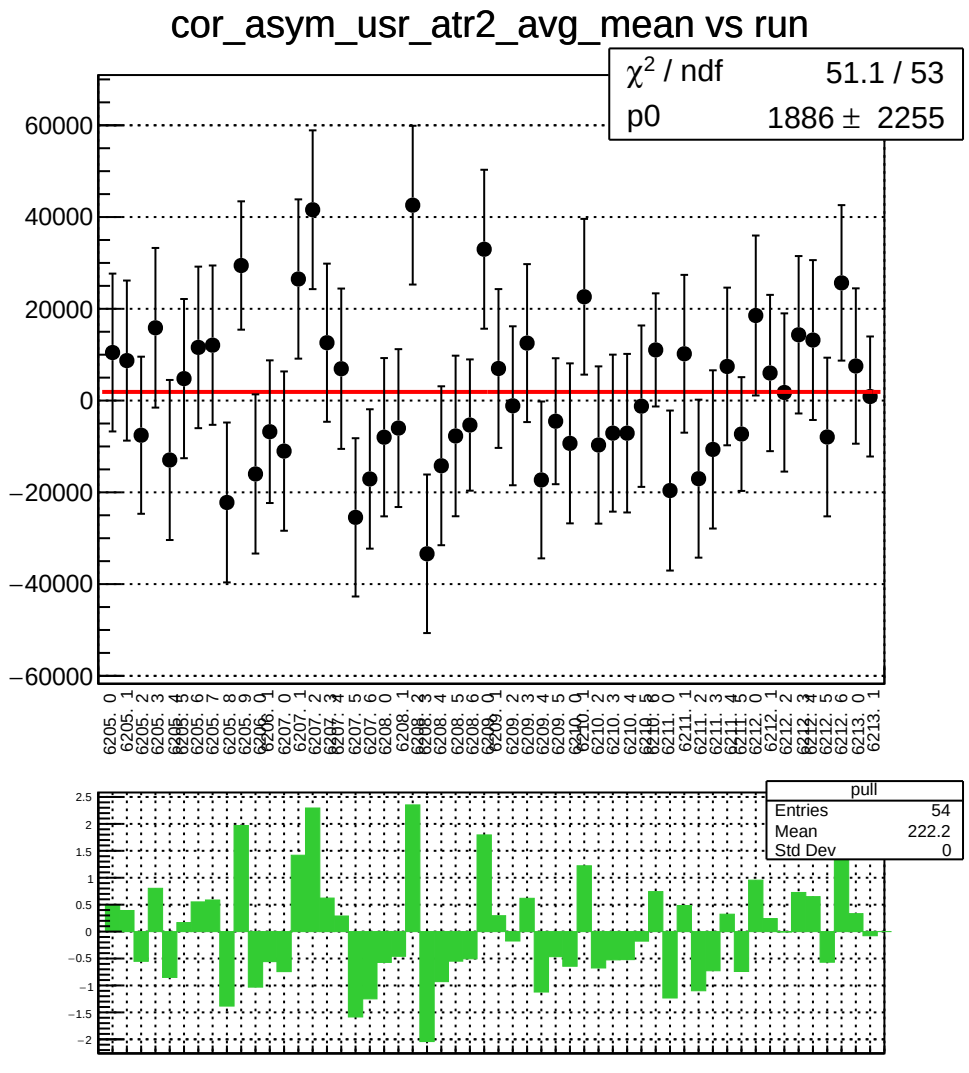

pull1D
Entries 54
Mean −0.0004093
Std Dev 0.9728
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

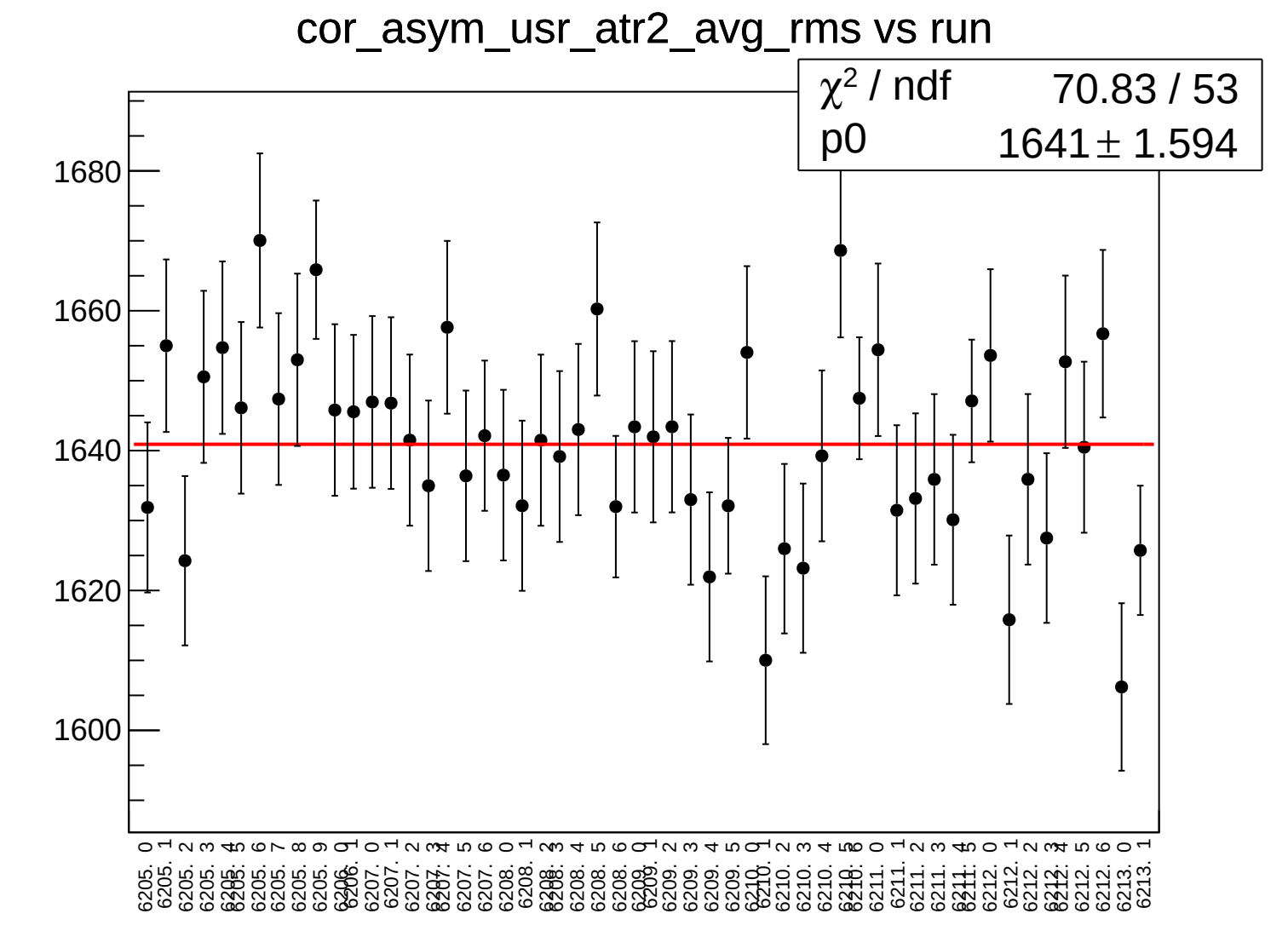

reg_asym_usr_atr2_avg_rms vs run
χ² / ndf 70.83 / 53
p0 1641 ± 1.594
1680
1660
1640
1620
1600
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 1
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

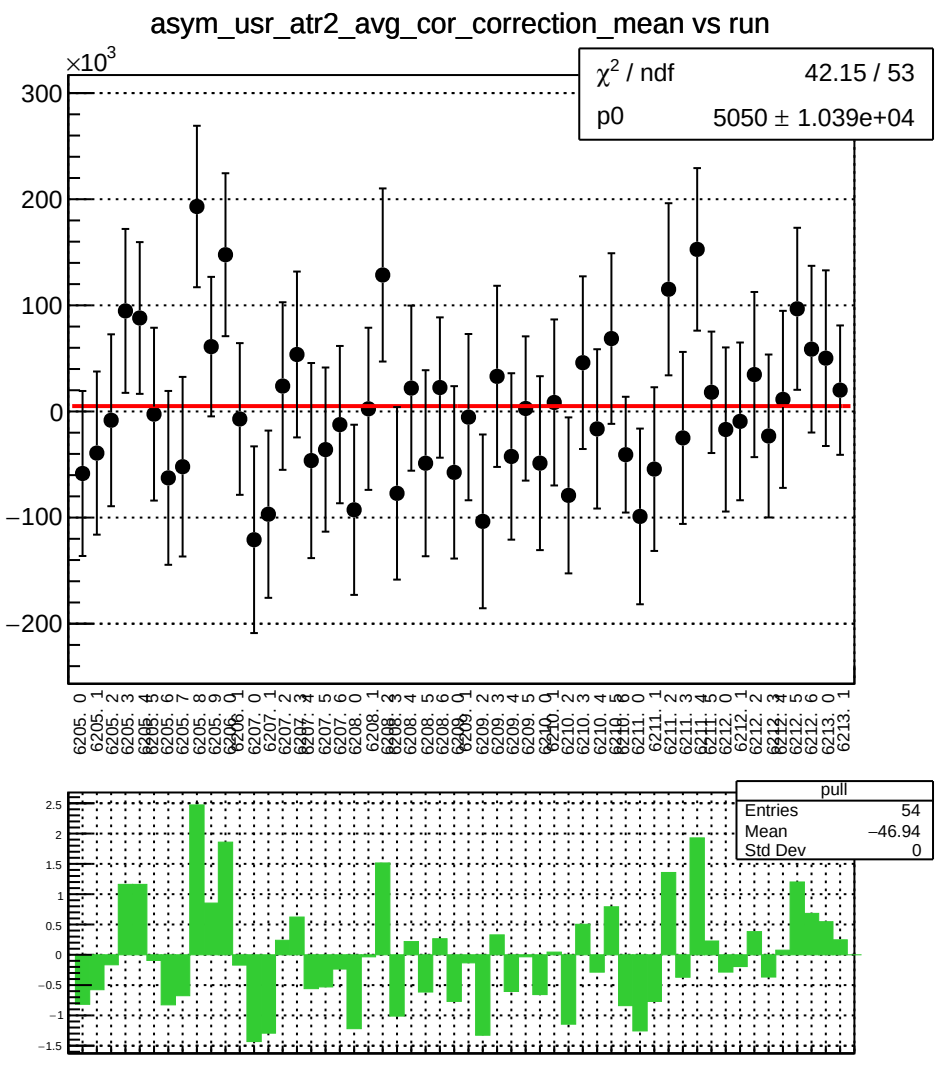

asym_usr_atr2_avg_reg_correction_mean vs run
×10^3
χ² / ndf 42.15 / 53
p0 5050 ± 1.039e+04
300
200
100
0
−100
−200
pull
Entries 54
Mean −46.94
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

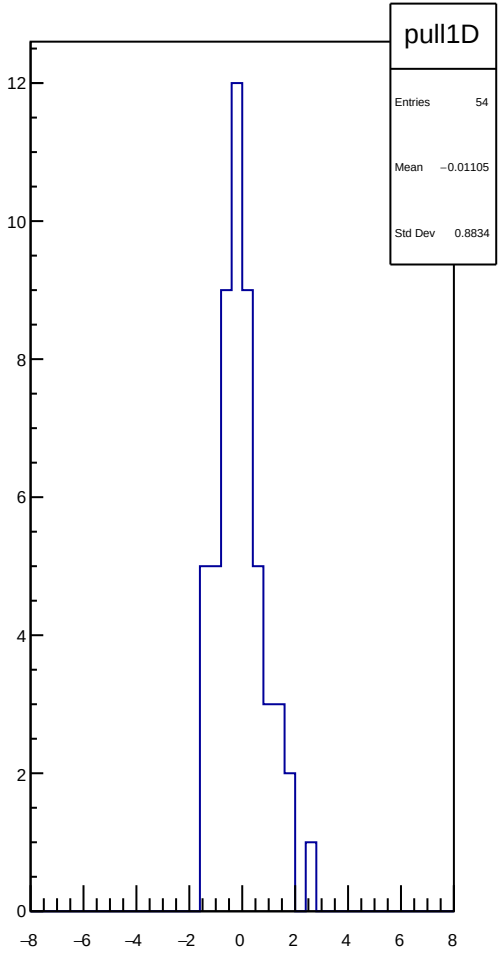

pull1D
Entries 54
Mean −0.01105
Std Dev 0.8834
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

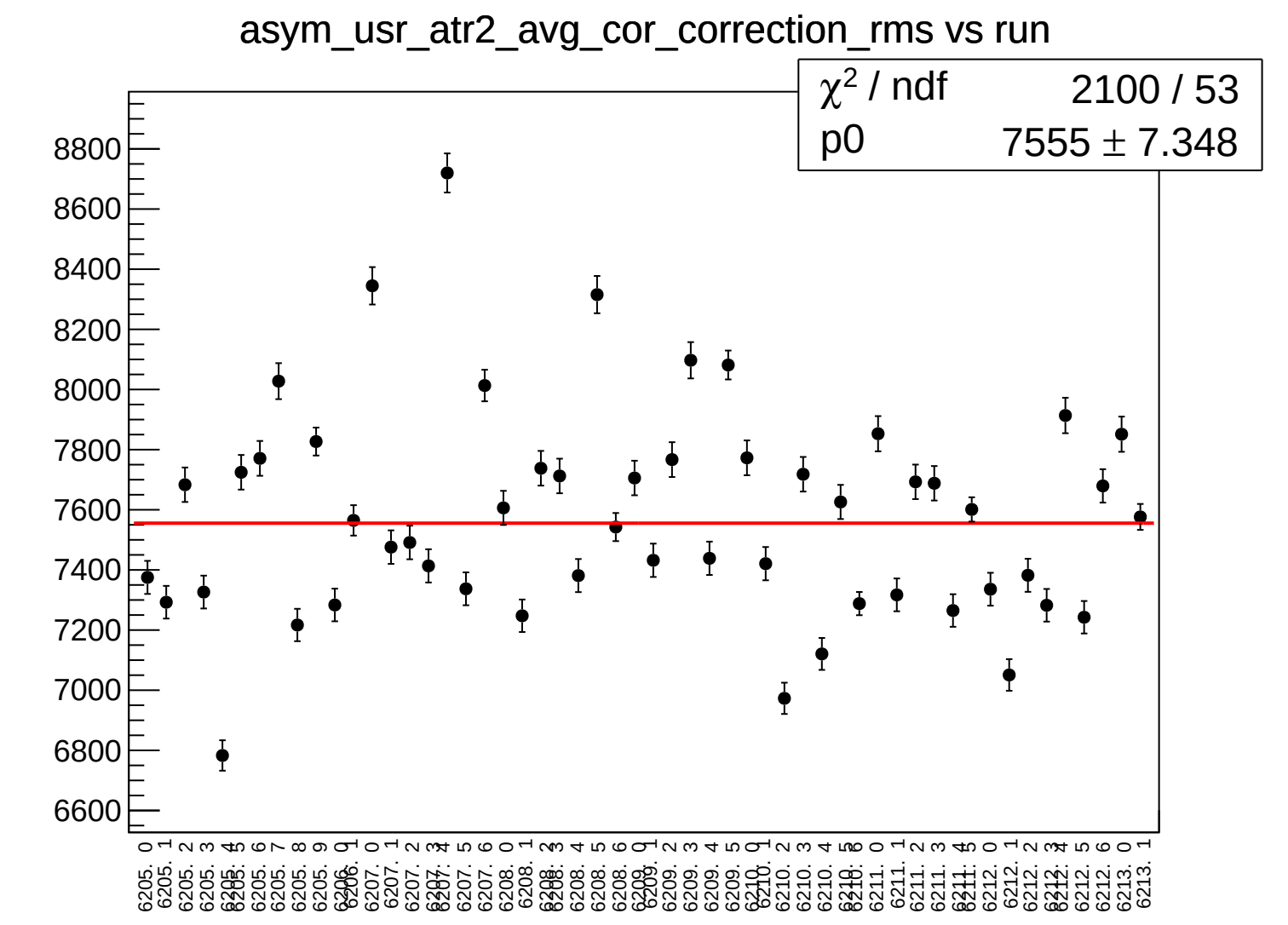

asym_usr_atr2_avg_reg_correction_rms vs run
χ² / ndf 2100 / 53
p0 7555 ± 7.348
8800
8600
8400
8200
8000
7800
7600
7400
7200
7000
6800
6600
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

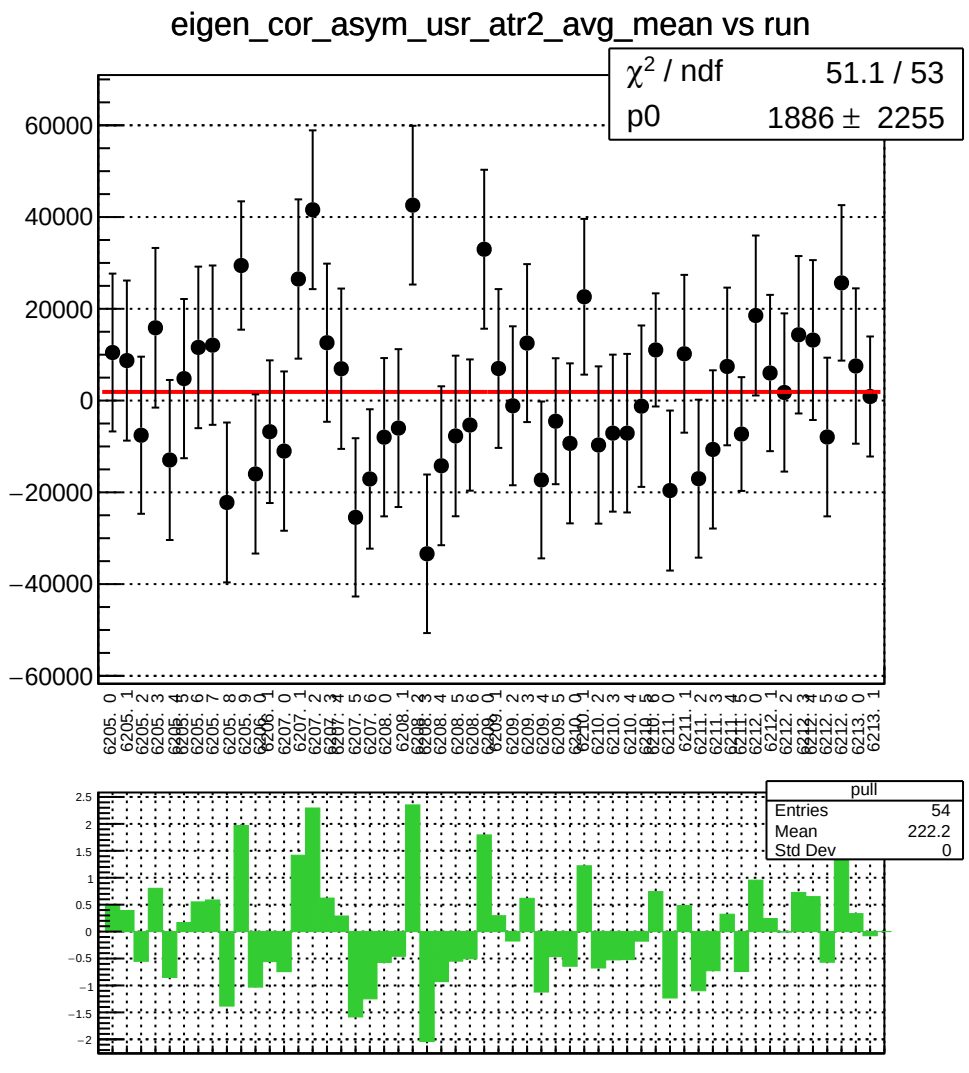

cor_asym_usr_atr2_avg_mean vs run
χ² / ndf 51.1 / 53
p0 1886 ± 2255
60000
40000
20000
0
−20000
−40000
−60000
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1
pull
Entries 54
Mean 222.2
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 54
Mean −0.0004107
Std Dev 0.9728
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

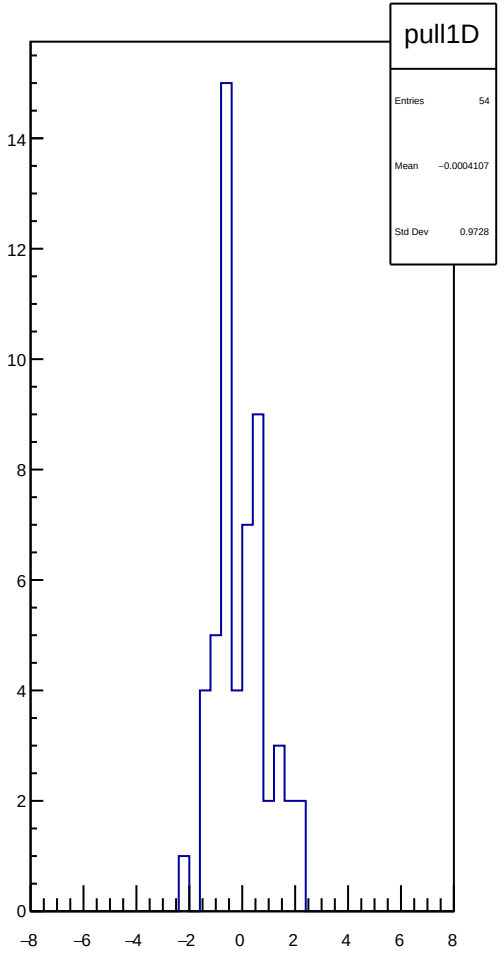

cor_asym_usr_atr2_avg_rms vs run
χ² / ndf 70.83 / 53
p0 1641 ± 1.594
1680
1660
1640
1620
1600
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 1
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

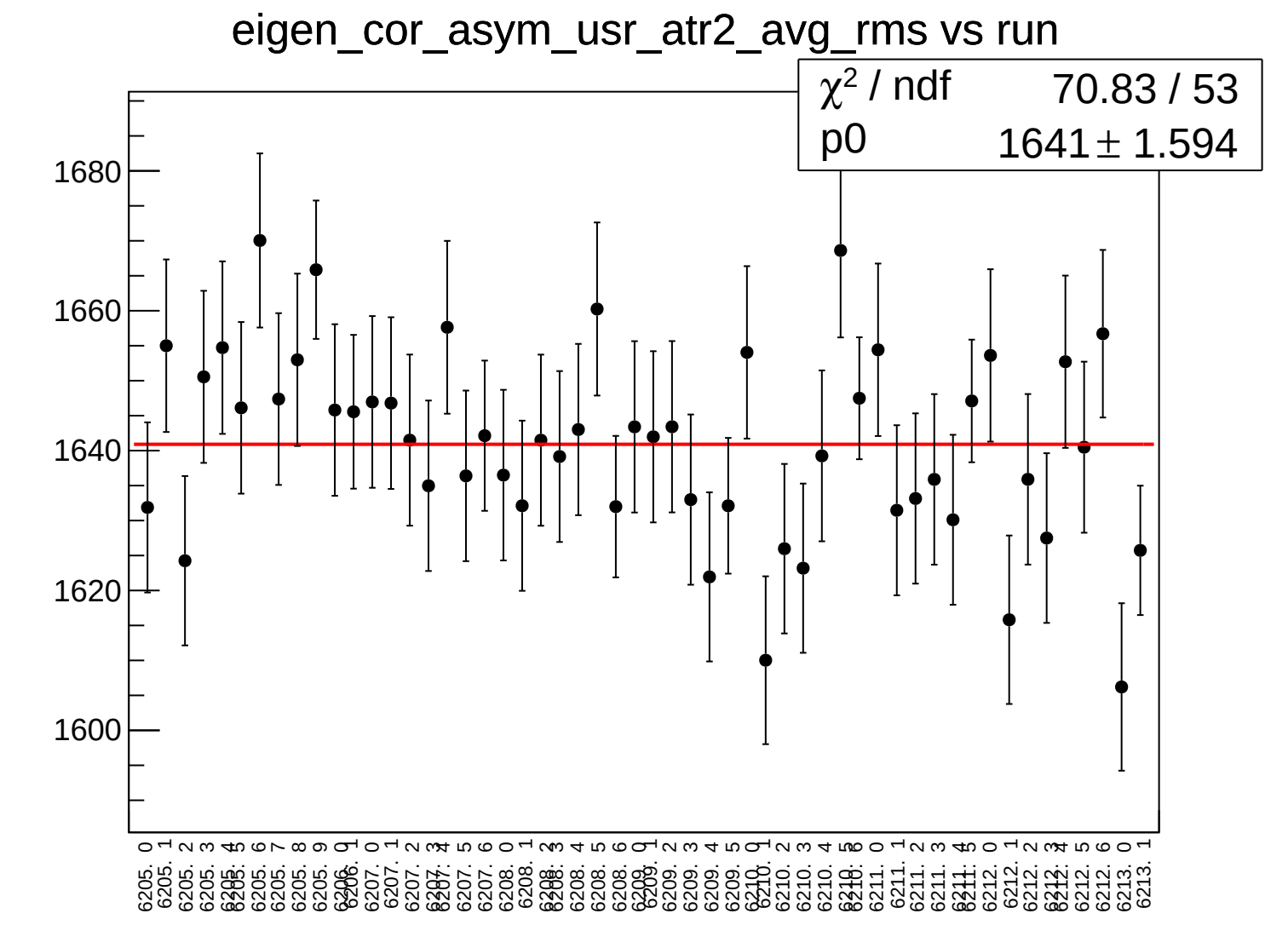

asym_usr_atr2_avg_cor_correction_mean vs run
×10^3
χ² / ndf 42.15 / 53
p0 5050 ± 1.039e+04
300
200
100
0
−100
−200
pull
Entries 54
Mean −46.94
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

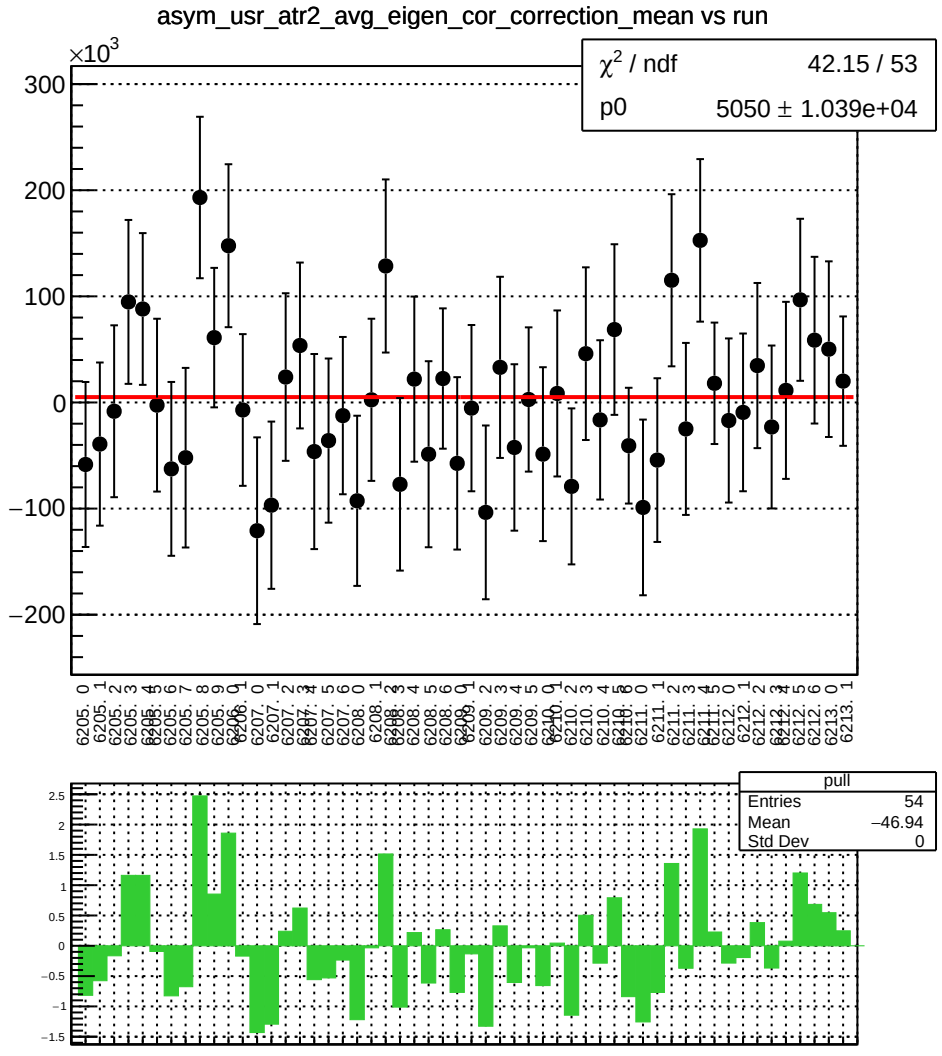

pull1D
Entries 54
Mean −0.01105
Std Dev 0.8834
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

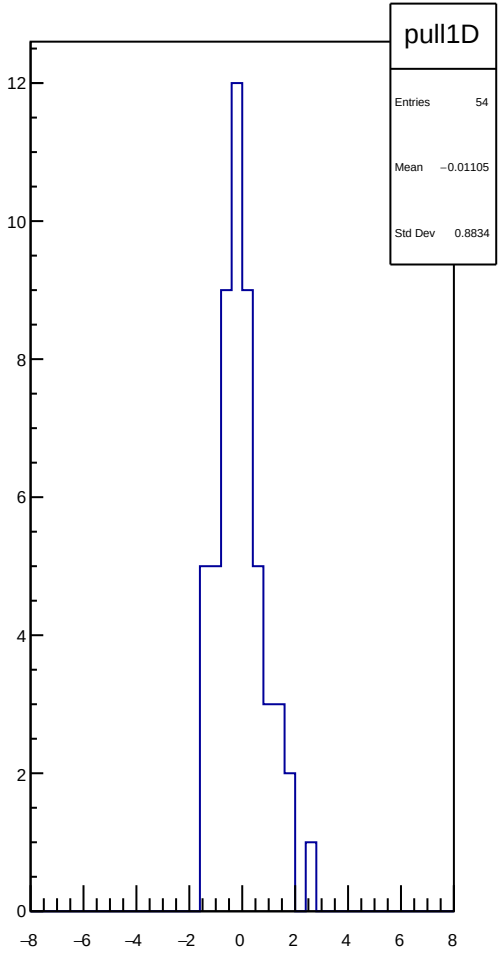

asym_usr_atr2_avg_cor_correction_rms vs run
χ² / ndf 2100 / 53
p0 7555 ± 7.348
8800
8600
8400
8200
8000
7800
7600
7400
7200
7000
6800
6600
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

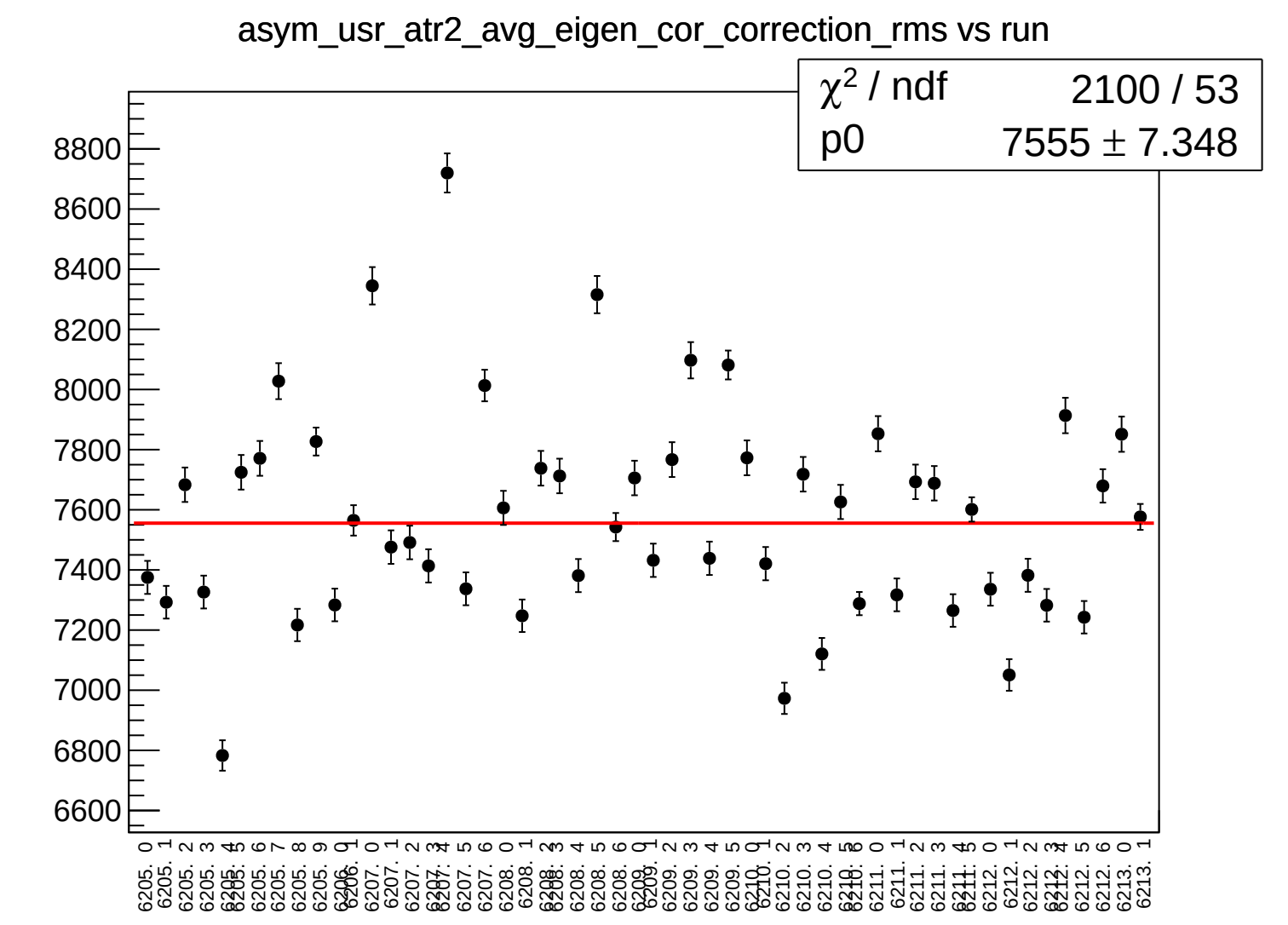

eigen_cor_asym_usr_atr2_avg_mean vs run
χ² / ndf 51.1 / 53
p0 1886 ± 2255
pull
Entries 54
Mean 222.2
Std Dev 0

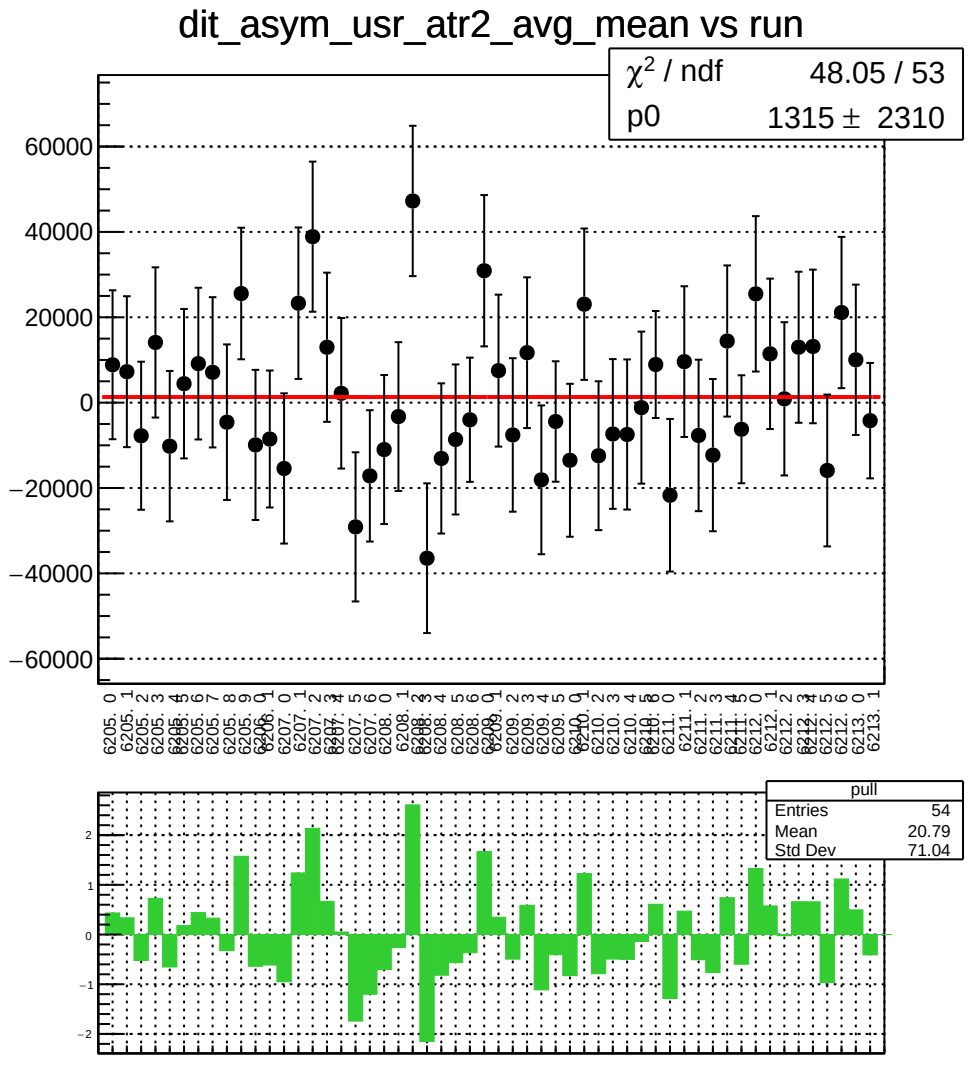

pull1D
Entries 54
Mean −0.0004107
Std Dev 0.9728

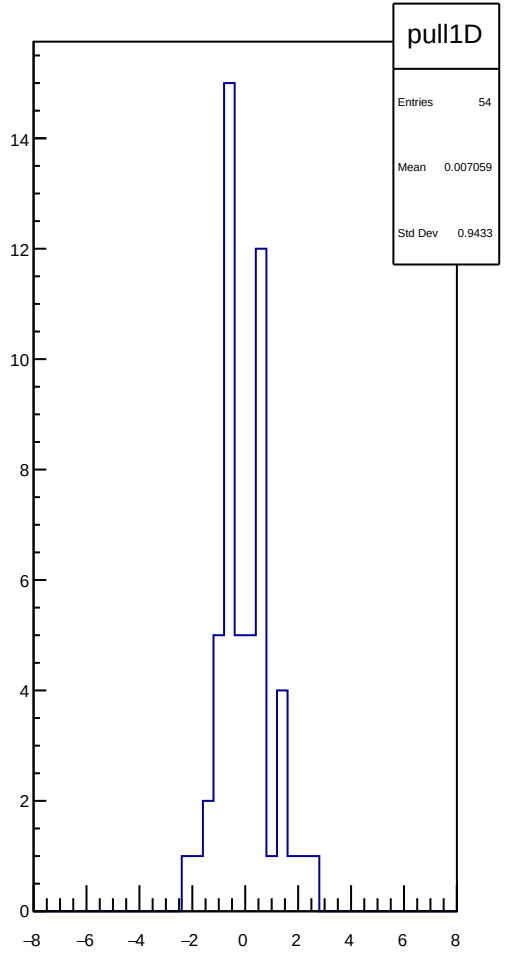

eigen_cor_asym_usr_atr2_avg_rms vs run
χ² / ndf 70.83 / 53
p0 1641 ± 1.594
1680
1660
1640
1620
1600
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

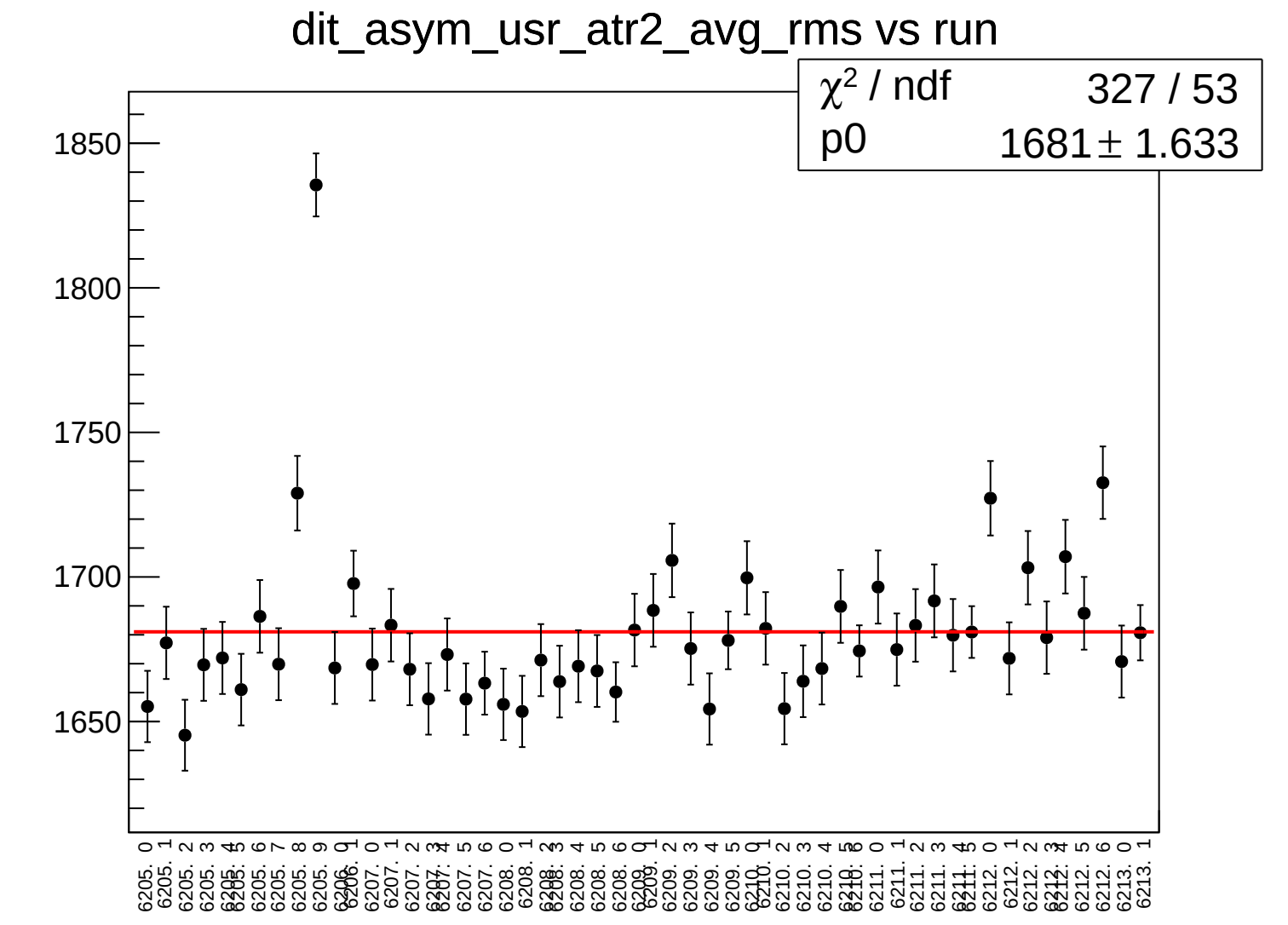

asym_usr_atr2_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 42.15 / 53
p0 5050 ± 1.039e+04
pull
Entries 54
Mean −46.94
Std Dev 0

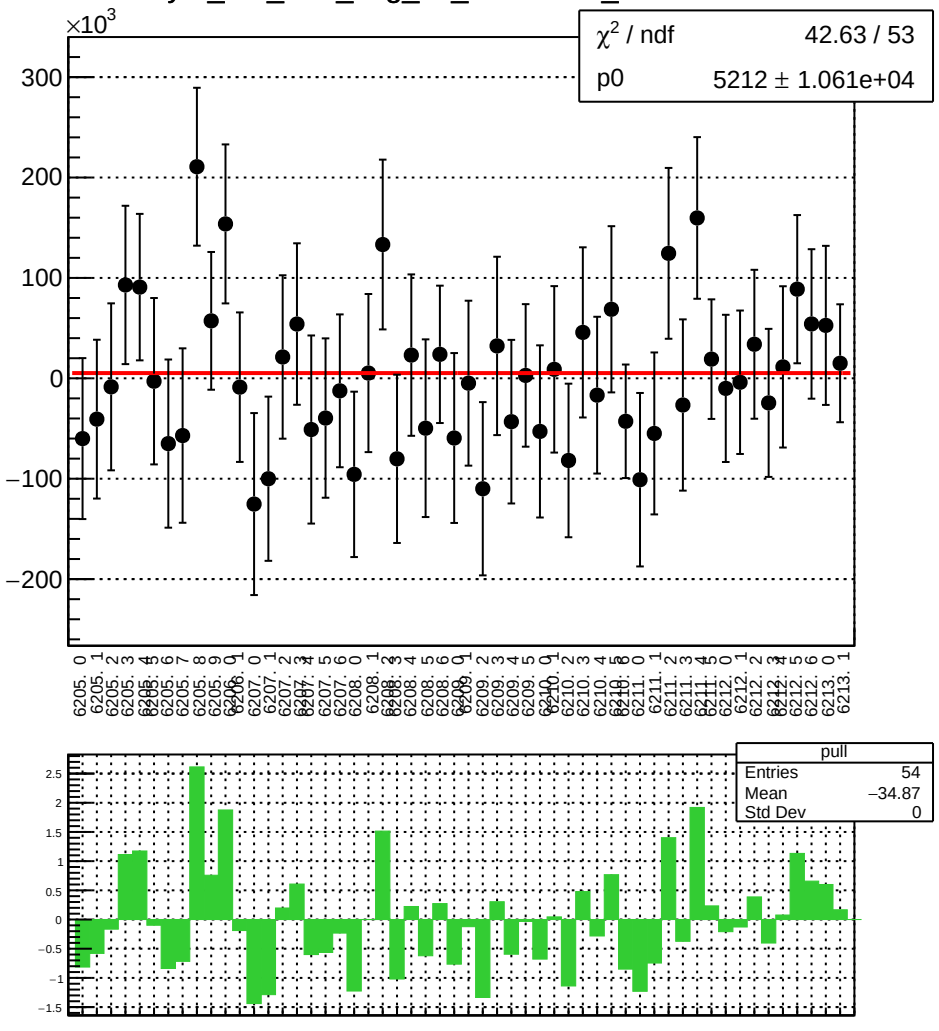

pull1D
Entries 54
Mean −0.01105
Std Dev 0.8834

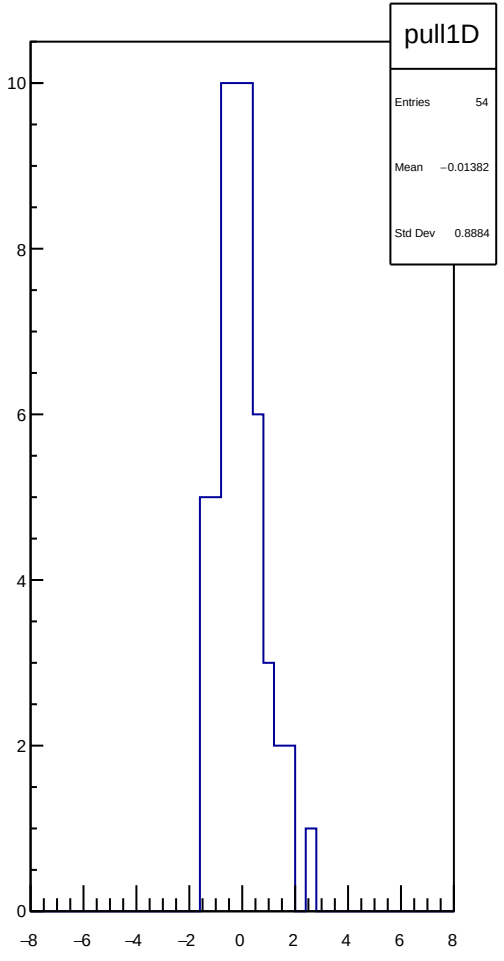

asym_usr_atr2_avg_eigen_cor_correction_rms vs run
χ² / ndf 2100 / 53
p0 7555 ± 7.348
8800
8600
8400
8200
8000
7800
7600
7400
7200
7000
6800
6600
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

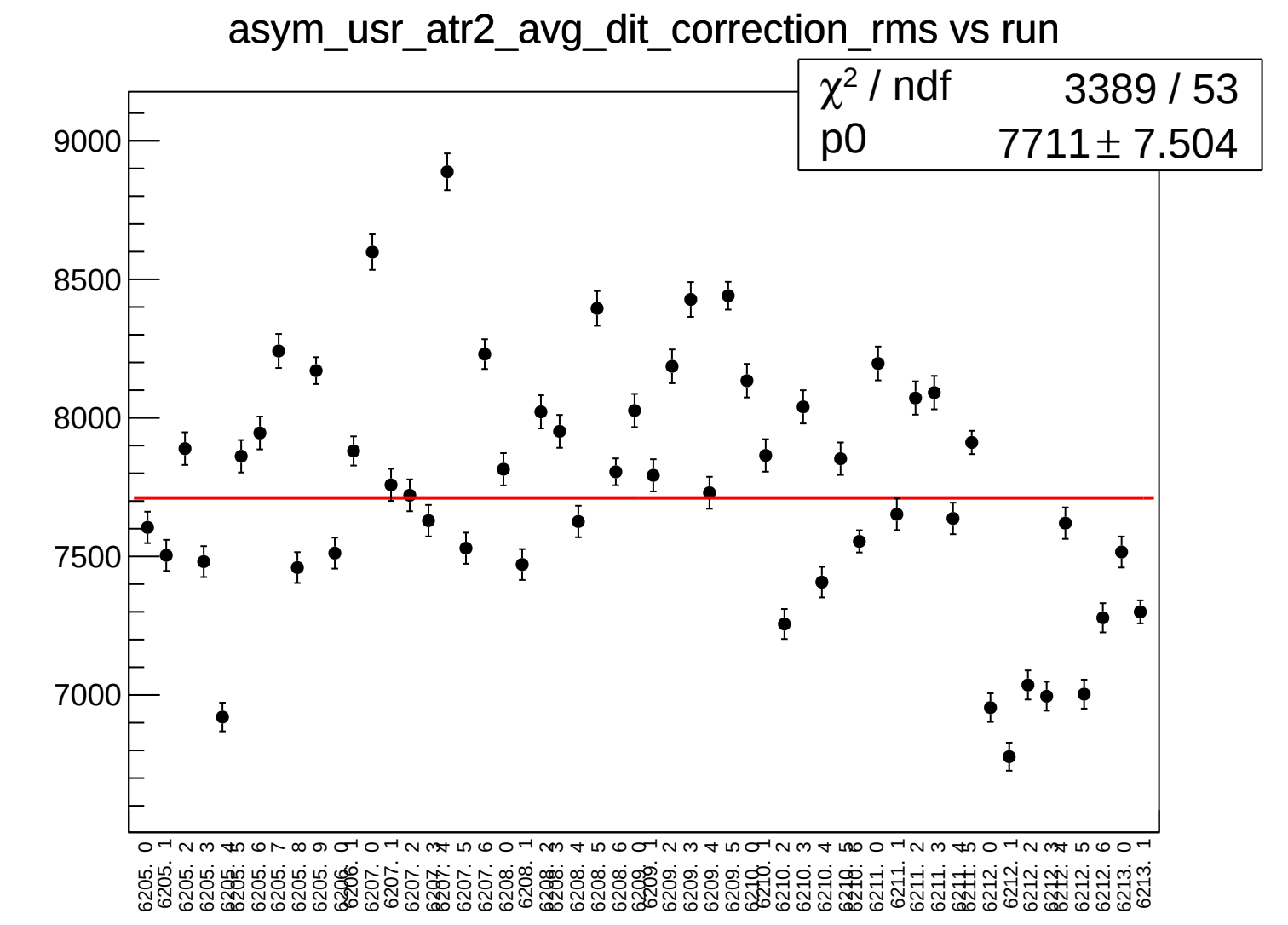

dit_asym_usr_atr2_avg_mean vs run
χ² / ndf 48.05 / 53
p0 1315 ± 2310
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 20.79
Std Dev 71.04
2
1
0
−1
−2

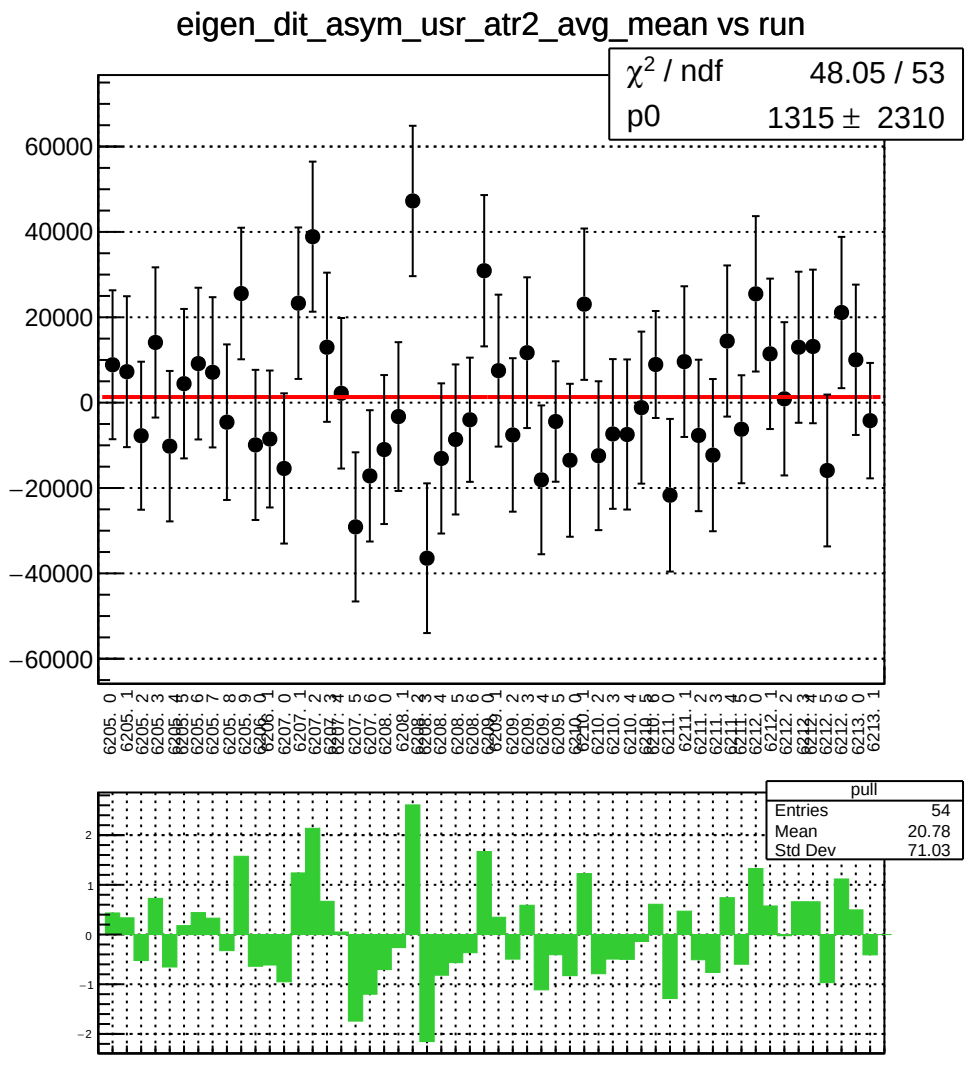

pull1D
Entries 54
Mean 0.007059
Std Dev 0.9433
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

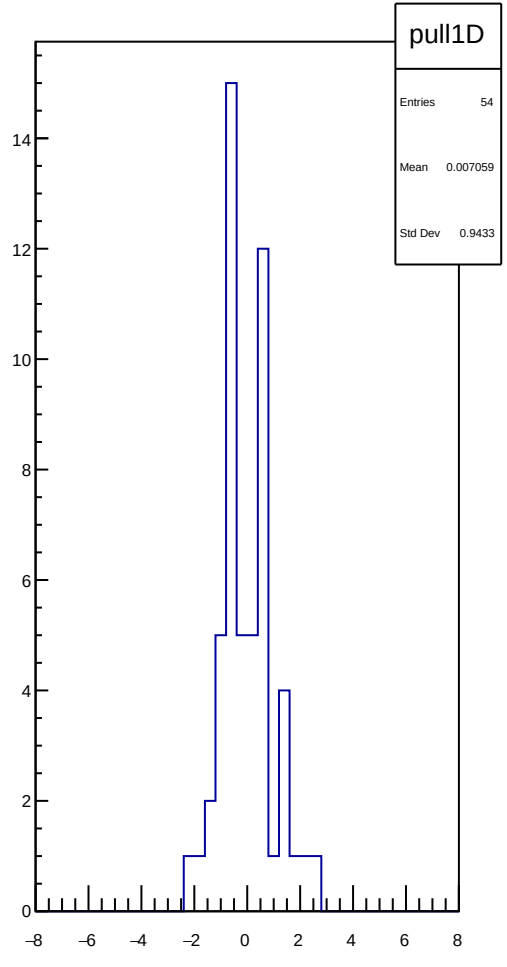

dit_asym_usr_atr2_avg_rms vs run
χ² / ndf 327 / 53
p0 1681 ± 1.633
1850
1800
1750
1700
1650
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 1
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

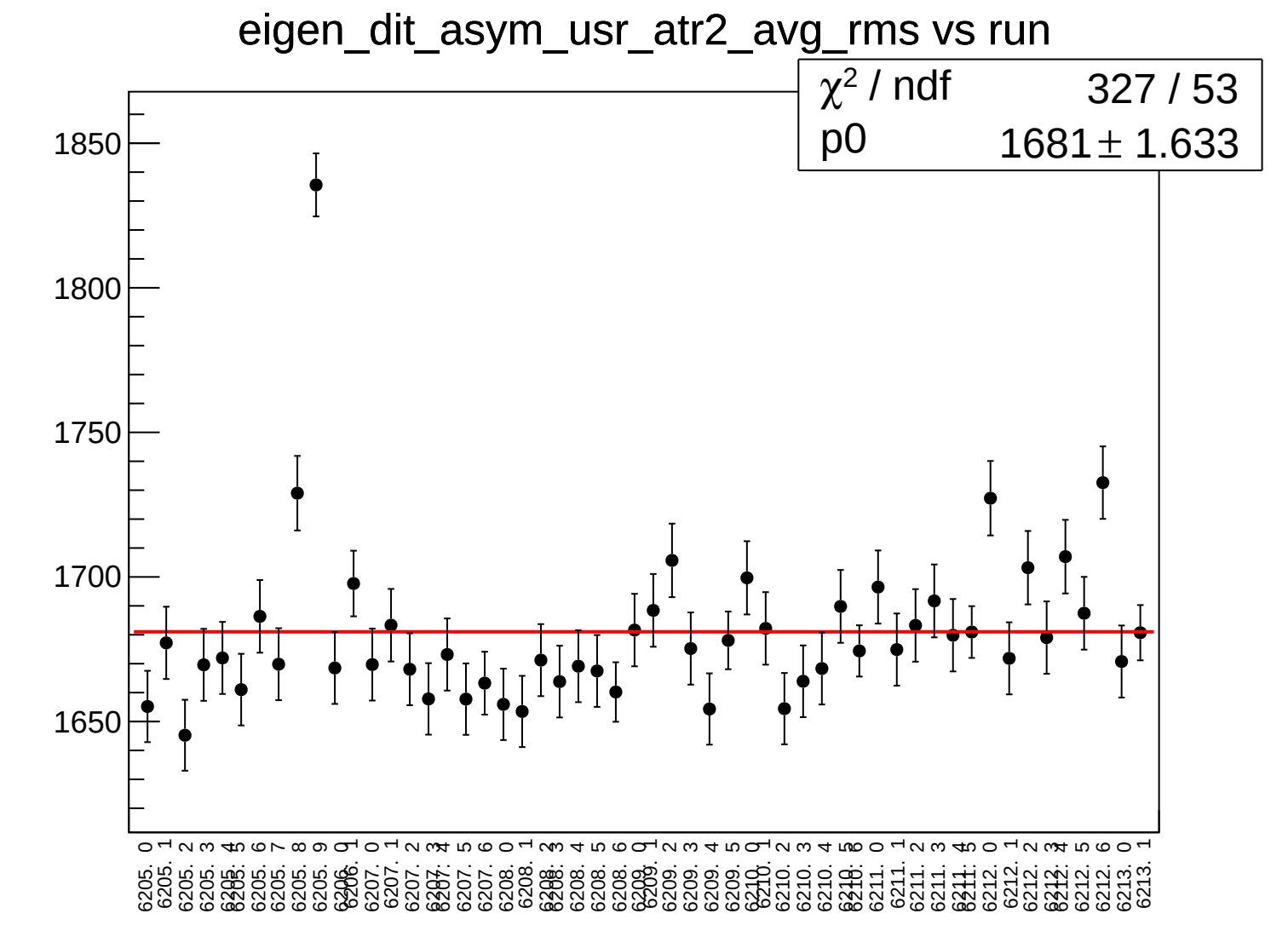

asym_usr_atr2_avg_dit_correction_mean vs run
×10^3
χ² / ndf 42.63 / 53
p0 5212 ± 1.061e+04
300
200
100
0
−100
−200
pull
Entries 54
Mean −34.87
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

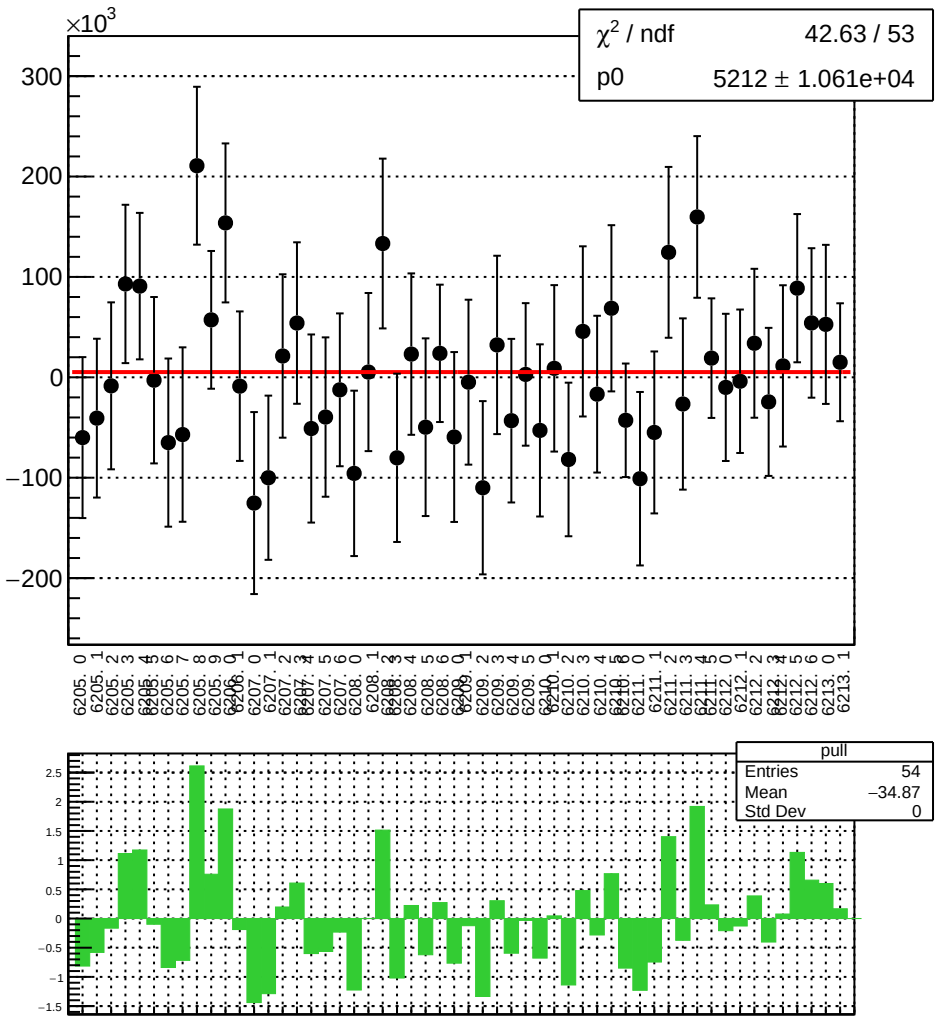

pull1D
Entries 54
Mean −0.01382
Std Dev 0.8884
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

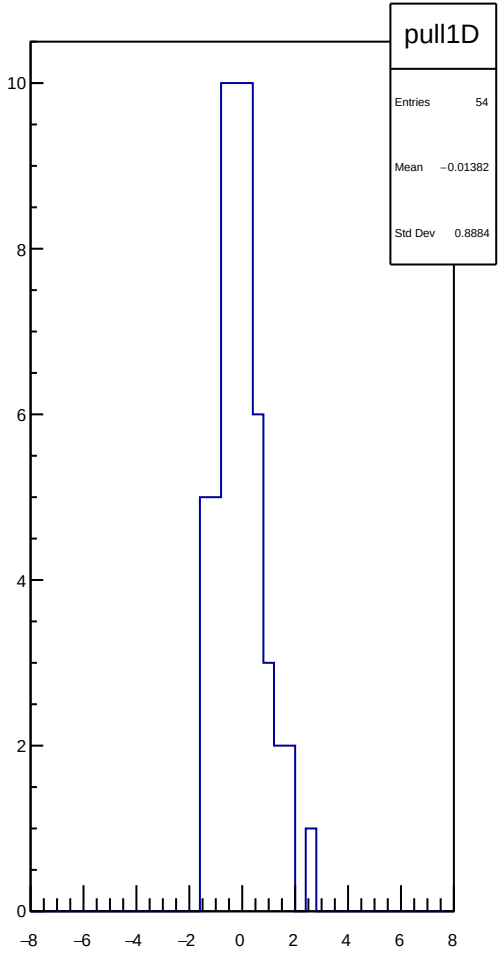

asym_usr_atr2_avg_dit_correction_rms vs run
χ² / ndf 3389 / 53
p0 7711 ± 7.504
9000
8500
8000
7500
7000
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

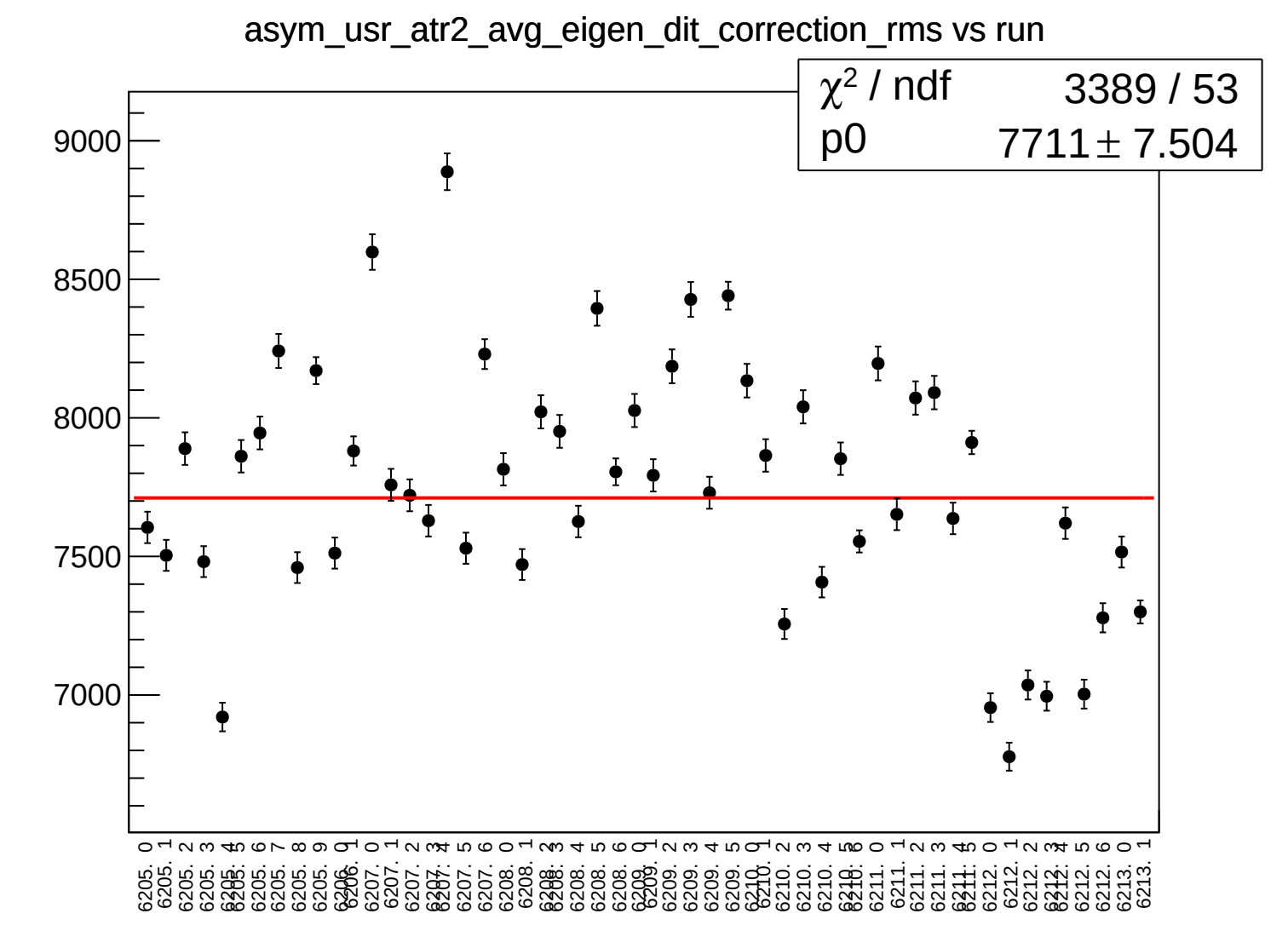

eigen_dit_asym_usr_atr2_avg_mean vs run
χ² / ndf 48.05 / 53
p0 1315 ± 2310
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 20.78
Std Dev 71.03
2
1
0
−1
−2

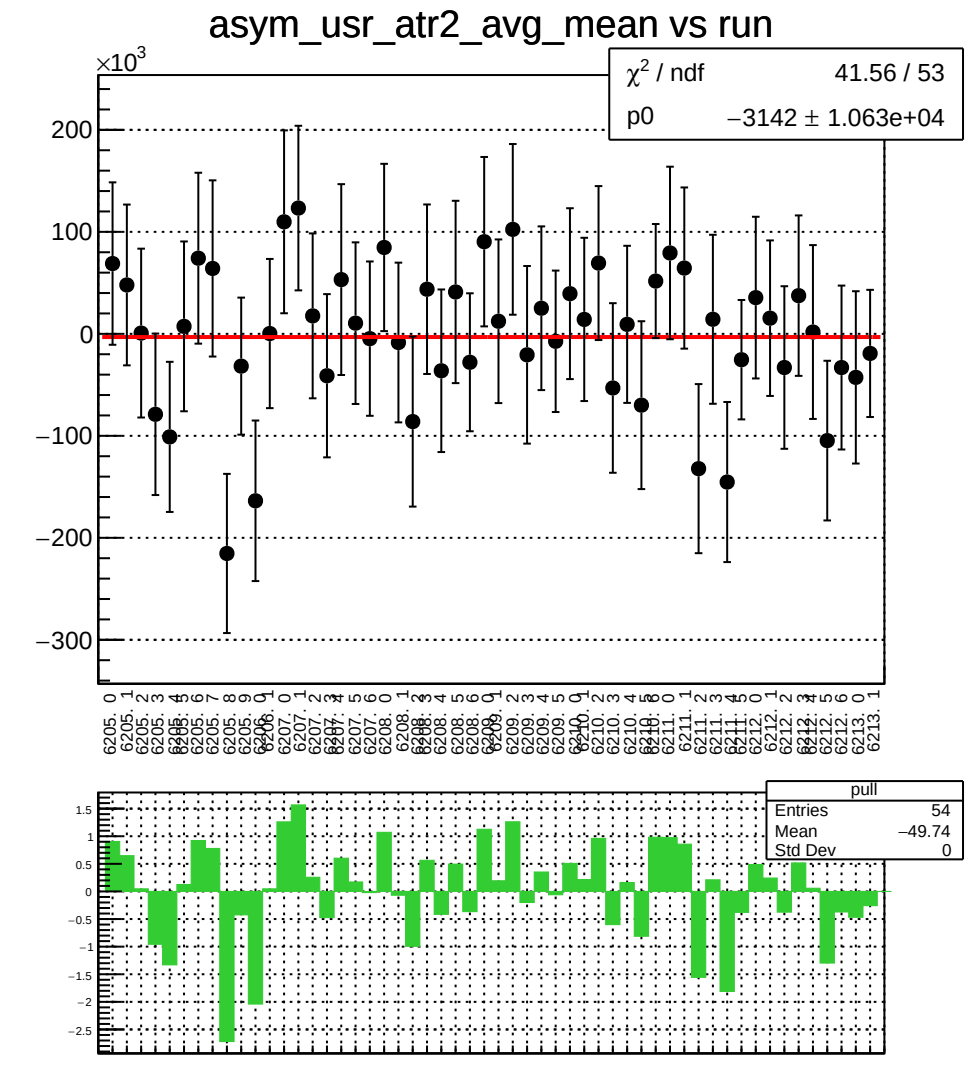

pull1D
Entries 54
Mean 0.007059
Std Dev 0.9433
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

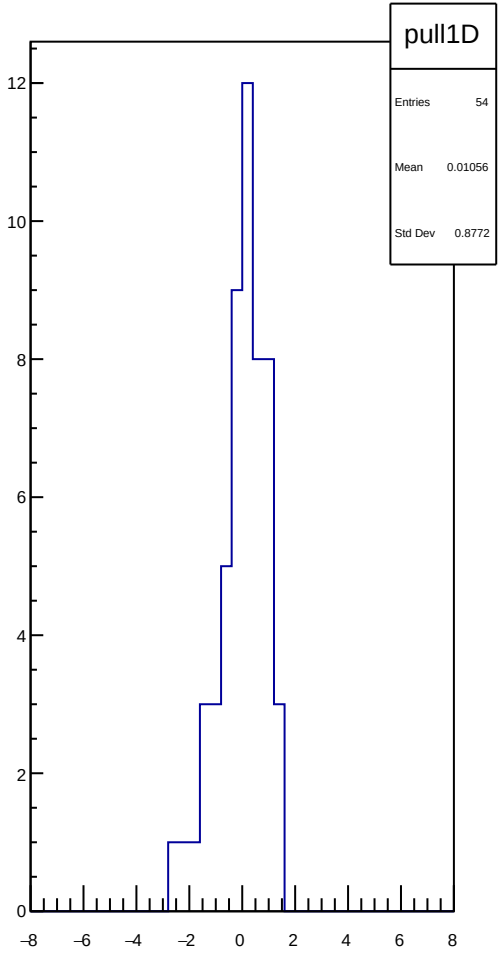

eigen_dit_asym_usr_atr2_avg_rms vs run
χ² / ndf 327 / 53
p0 1681 ± 1.633
1850
1800
1750
1700
1650
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

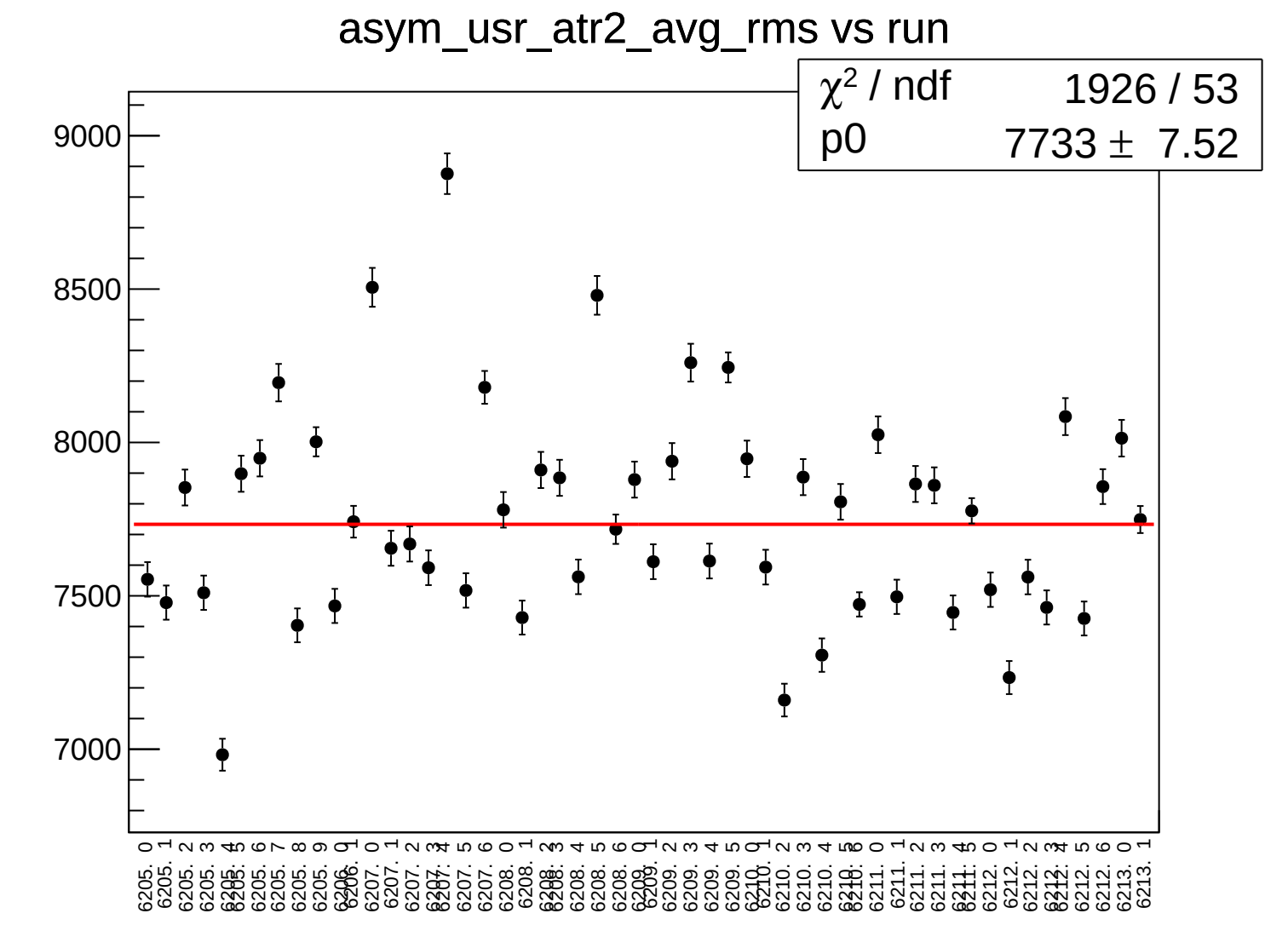

asym_usr_atr2_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 42.63 / 53
p0 5212 ± 1.061e+04
300
200
100
0
−100
−200
pull
Entries 54
Mean −34.87
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

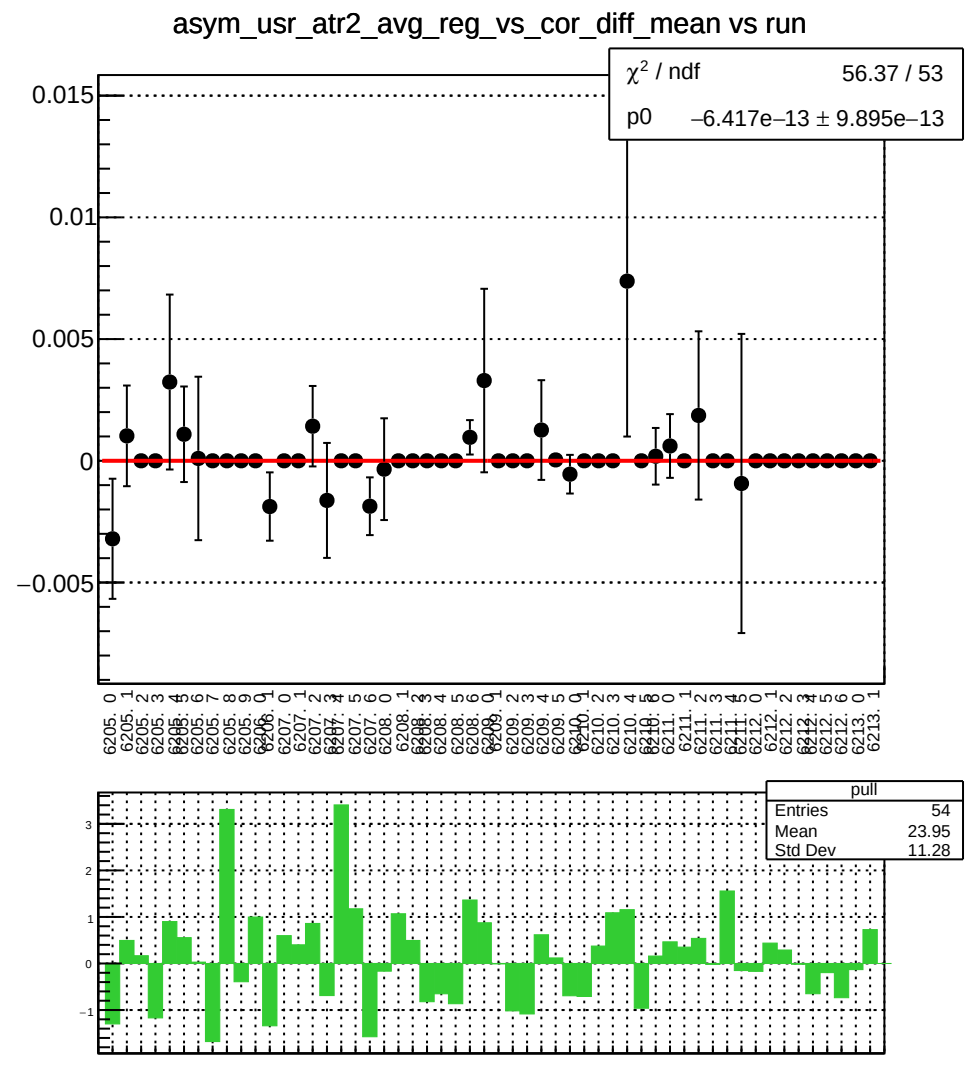

pull1D
Entries 54
Mean −0.01382
Std Dev 0.8884
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

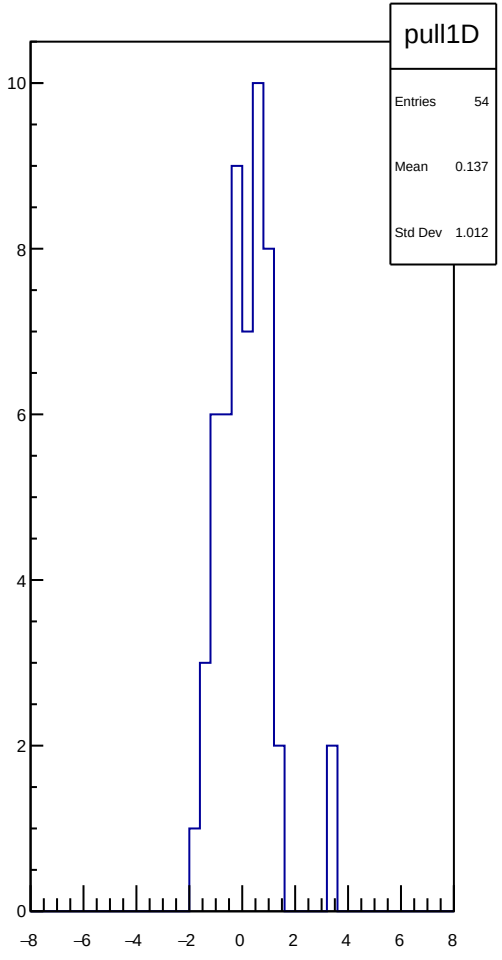

asym_usr_atr2_avg_eigen_dit_correction_rms vs run
χ² / ndf 3389 / 53
p0 7711 ± 7.504
9000
8500
8000
7500
7000
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

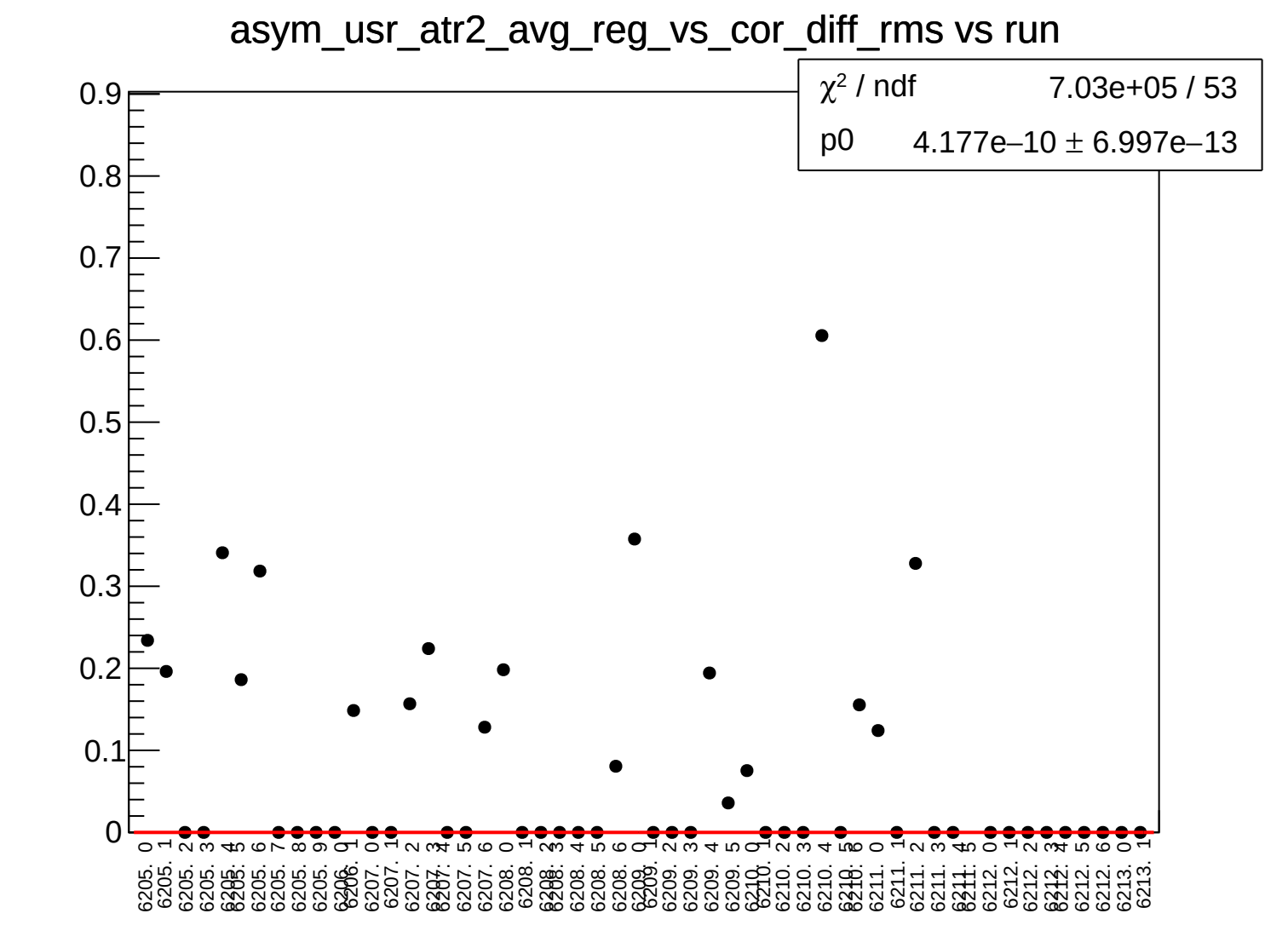

asym_usr_atr2_avg_mean vs run
×10^3
χ² / ndf 41.56 / 53
p0 −3142 ± 1.063e+04
200
100
0
−100
−200
−300
pull
Entries 54
Mean −49.74
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

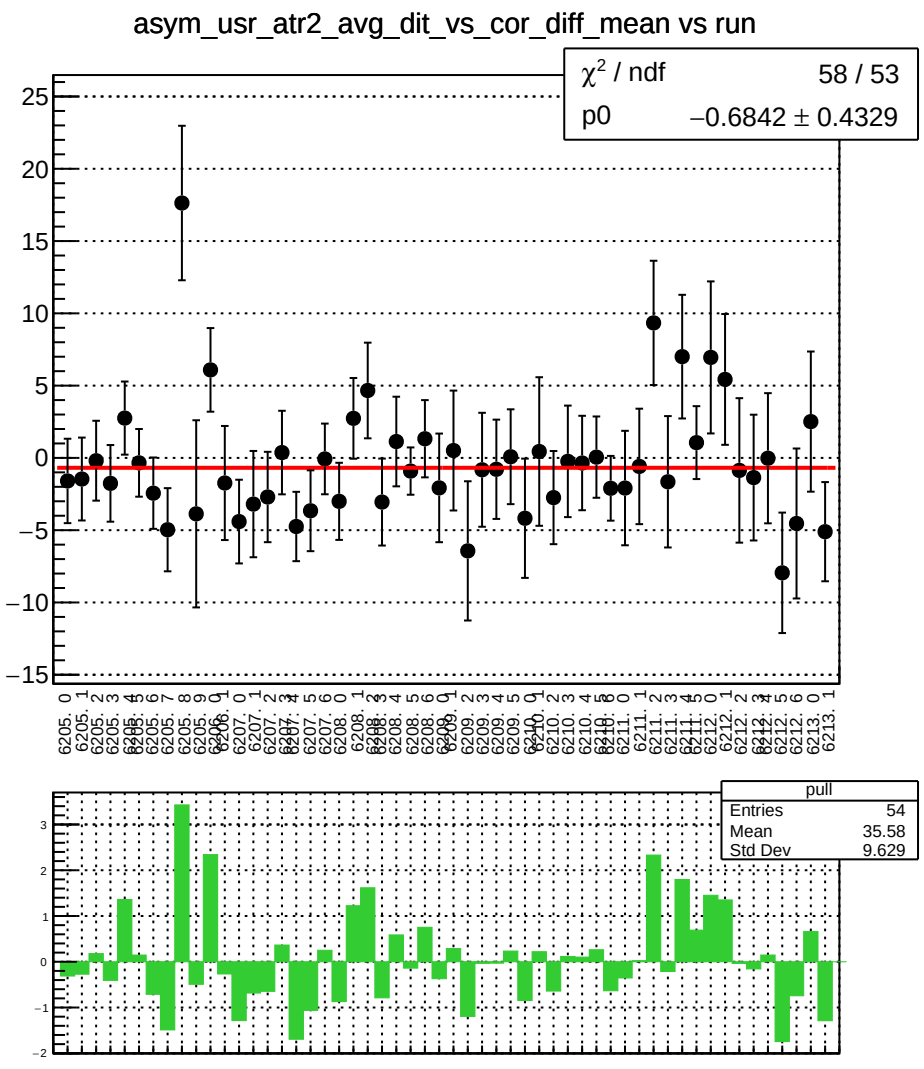

pull1D
Entries 54
Mean 0.01056
Std Dev 0.8772
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

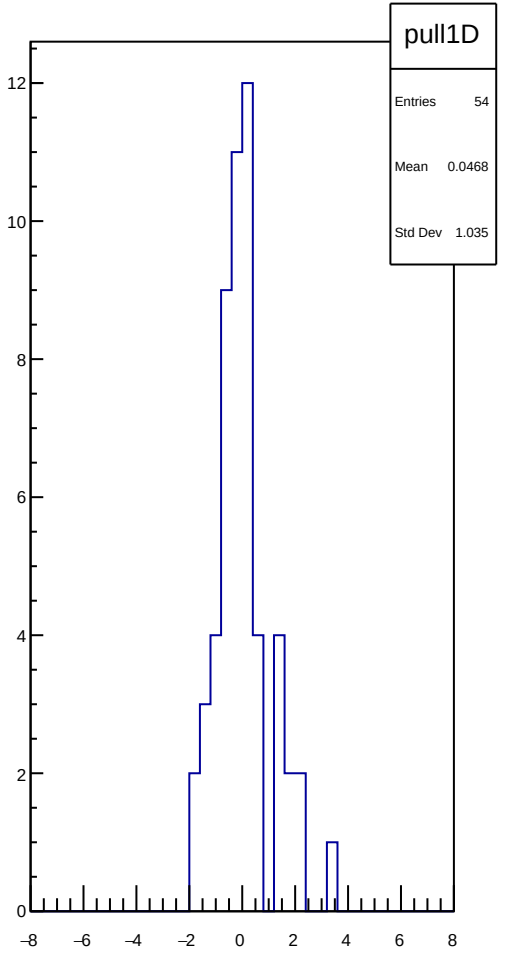

asym_usr_atr2_avg_rms vs run
χ² / ndf 1926 / 53
p0 7733 ± 7.52
9000
8500
8000
7500
7000
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

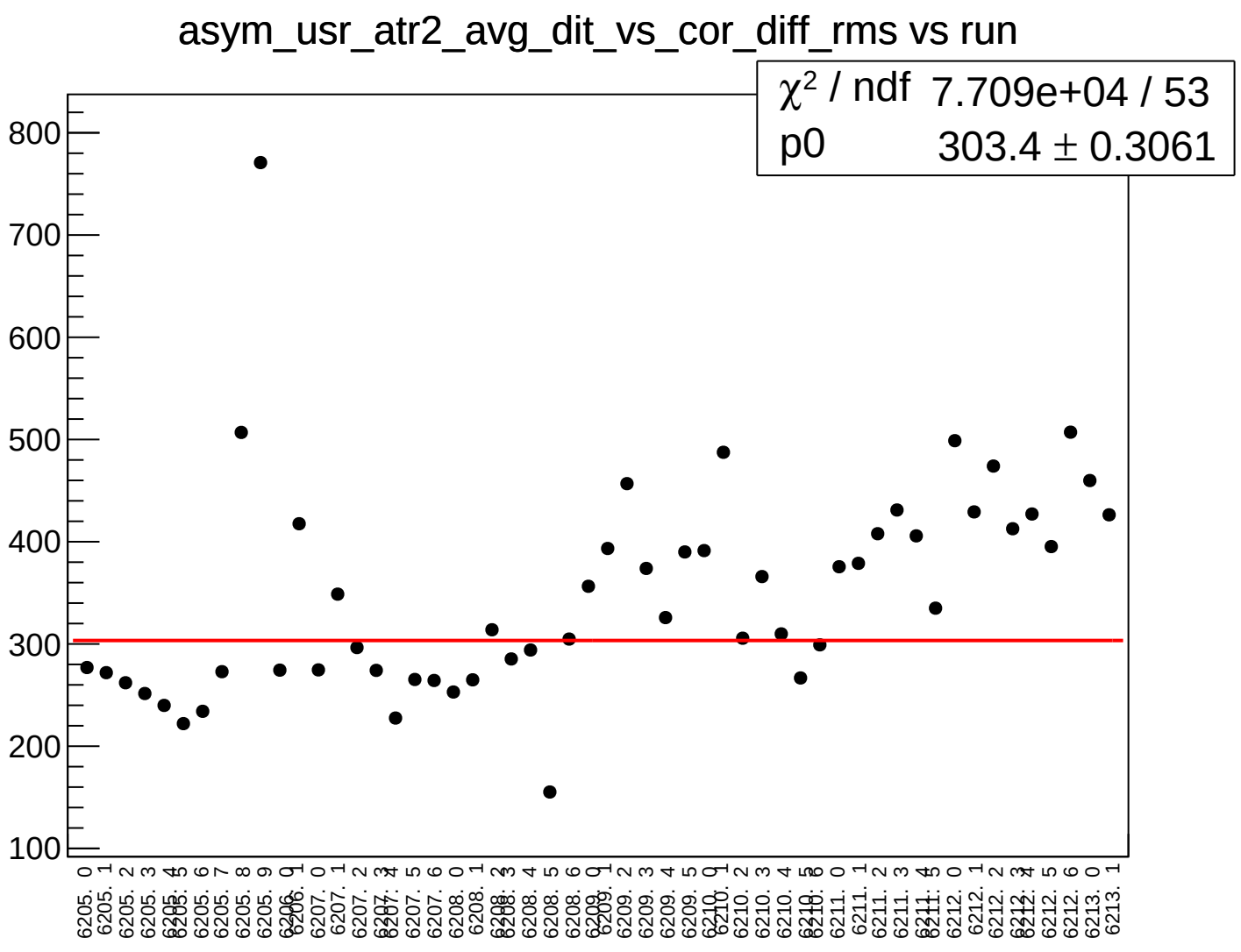

asym_usr_atr2_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 56.37 / 53
p0 −6.417e−13 ± 9.895e−13
0.015
0.01
0.005
0
−0.005
pull
Entries 54
Mean 23.95
Std Dev 11.28

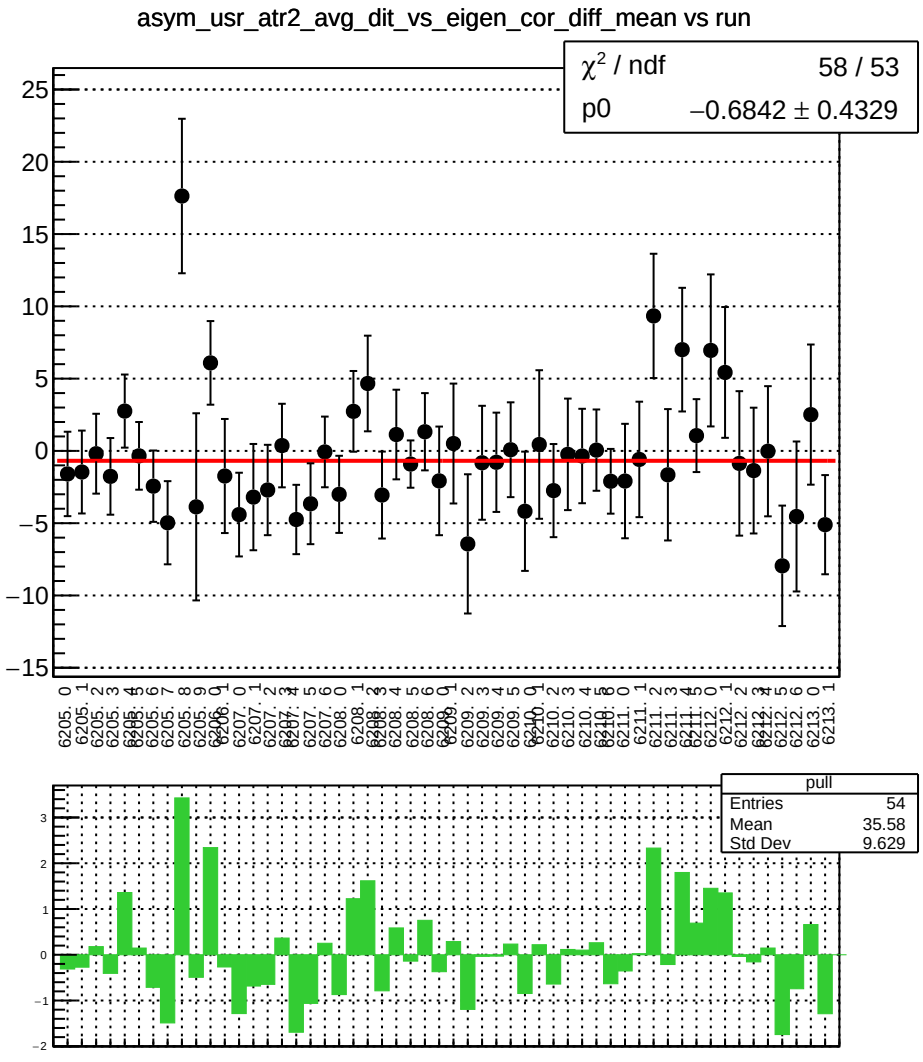

pull1D
Entries 54
Mean 0.137
Std Dev 1.012

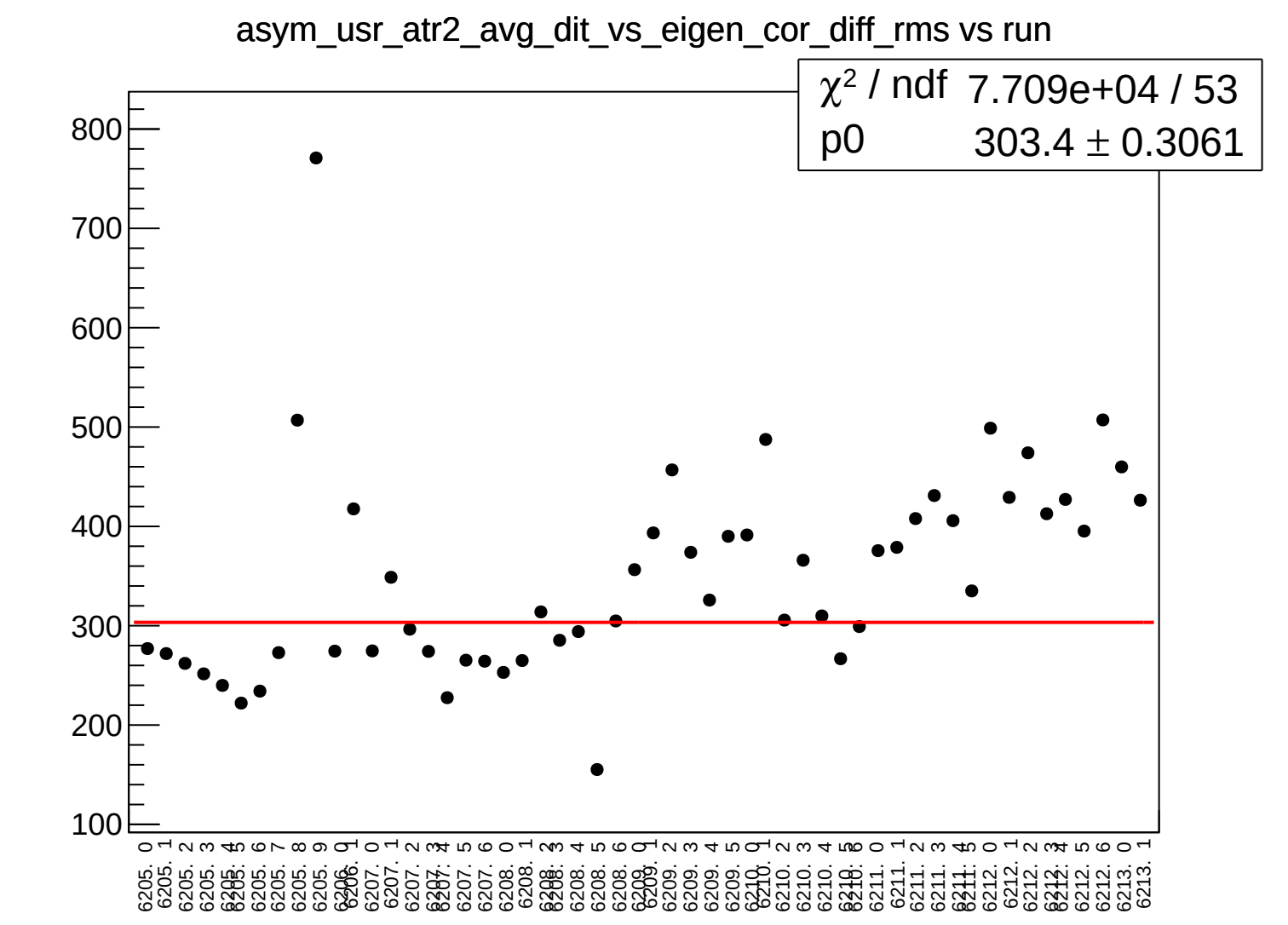

asym_usr_atr2_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 7.03e+05 / 53
p0 4.177e−10 ± 6.997e−13
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6211. 5
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

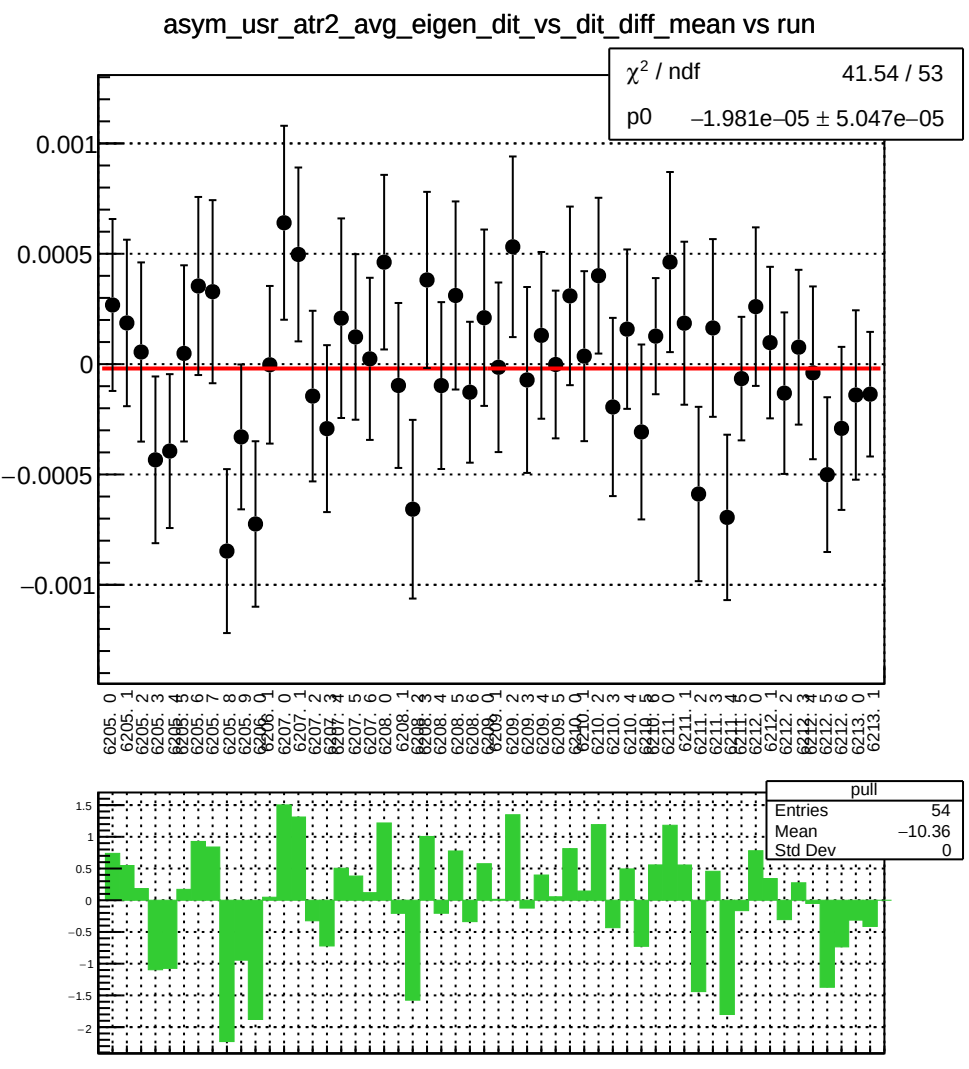

asym_usr_atr2_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 58 / 53
p0 −0.6842 ± 0.4329
pull
Entries 54
Mean 35.58
Std Dev 9.629

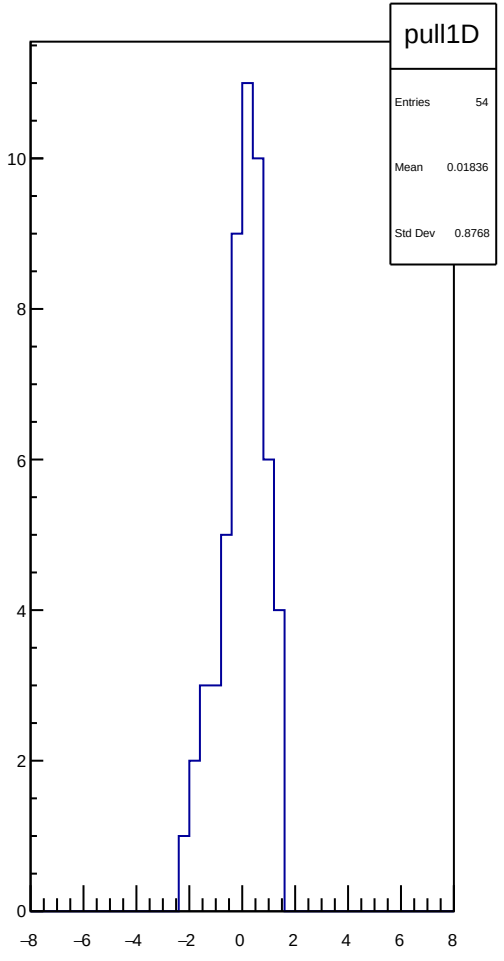

pull1D
Entries 54
Mean 0.0468
Std Dev 1.035

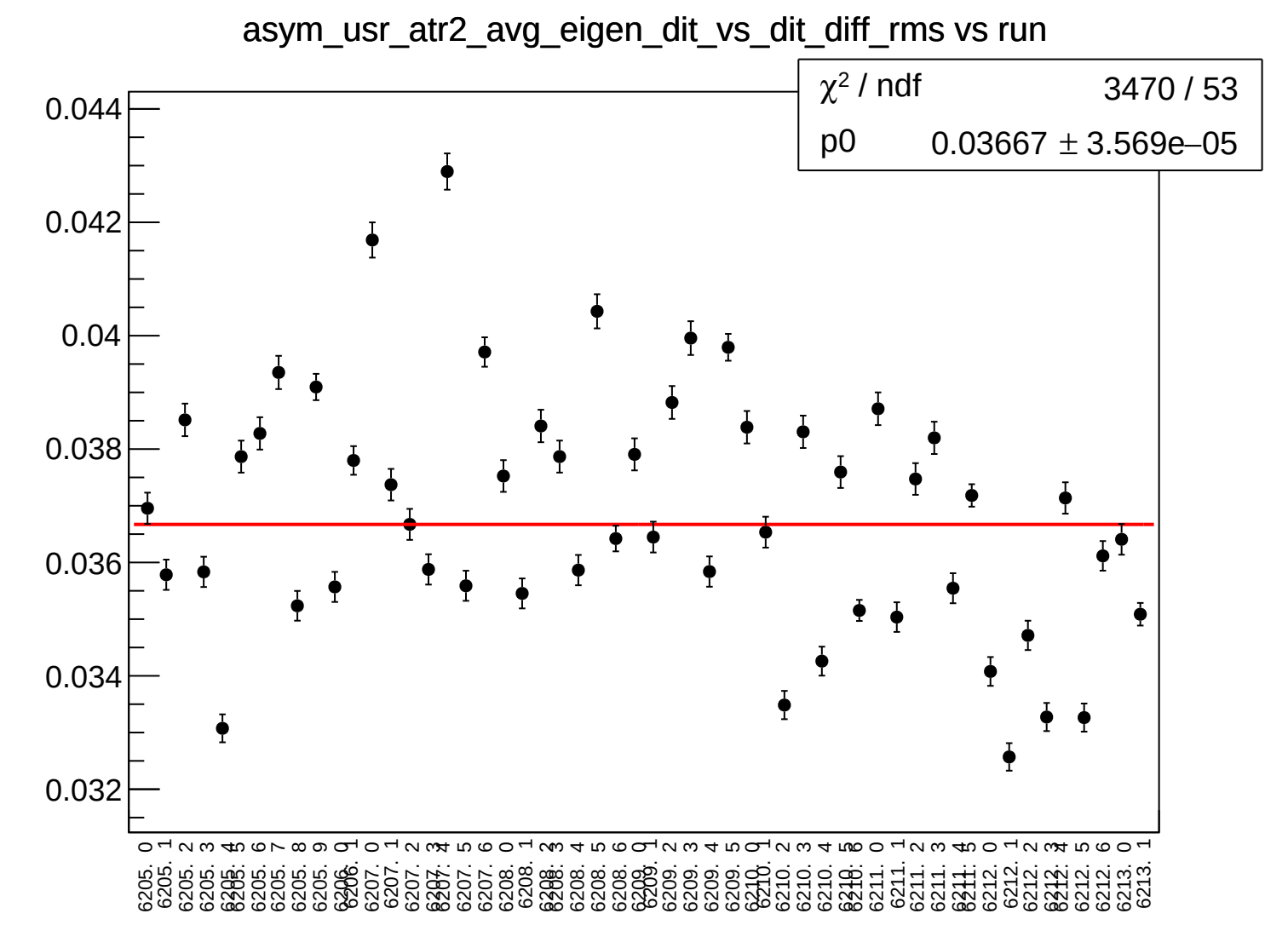

asym_usr_atr2_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 7.709e+04 / 53
p0 303.4 ± 0.3061
800
700
600
500
400
300
200
100
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

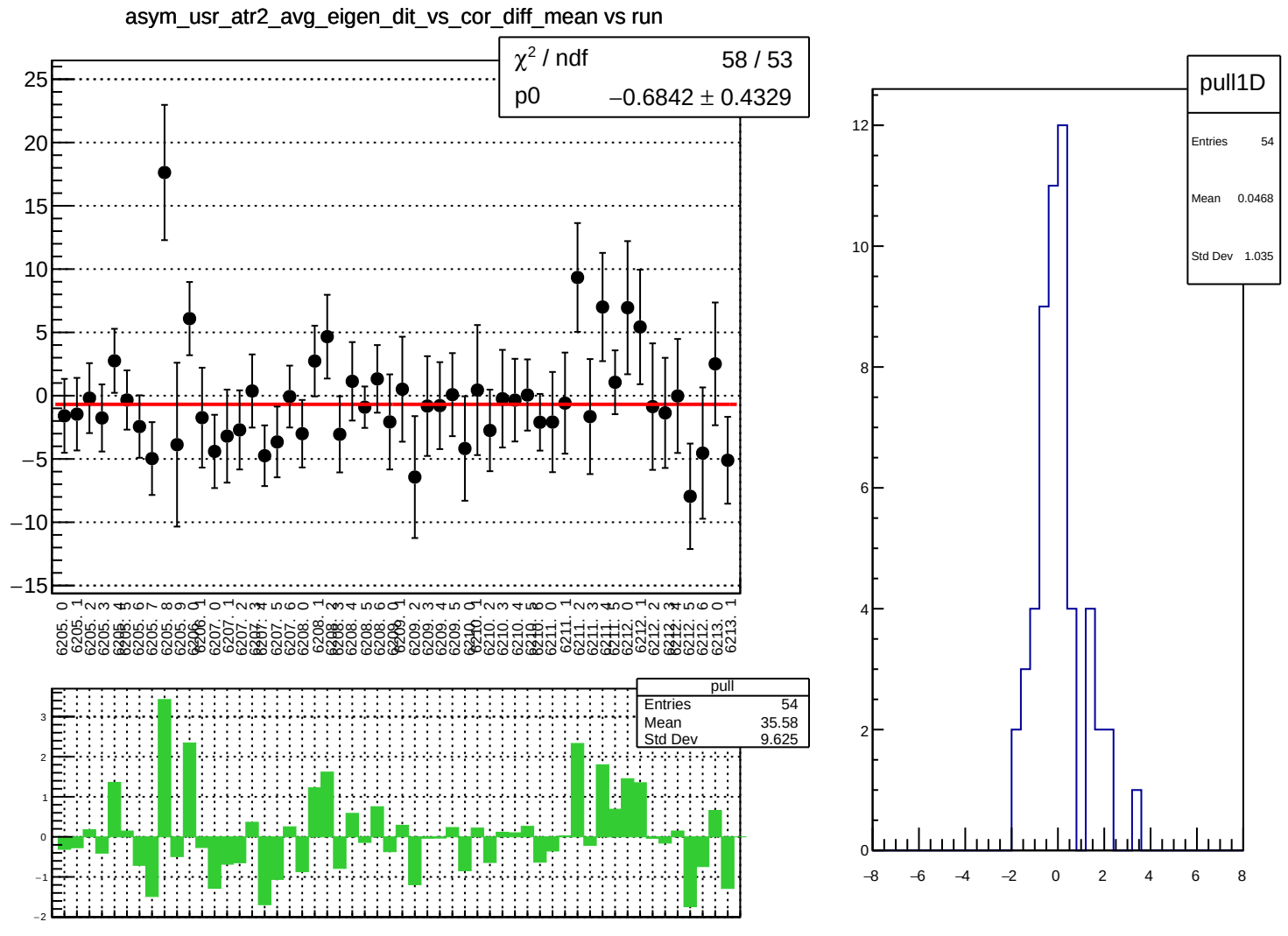

asym_usr_atr2_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 58 / 53
p0 −0.6842 ± 0.4329
pull
Entries 54
Mean 35.58
Std Dev 9.629
pull1D
Entries 54
Mean 0.0468
Std Dev 1.035

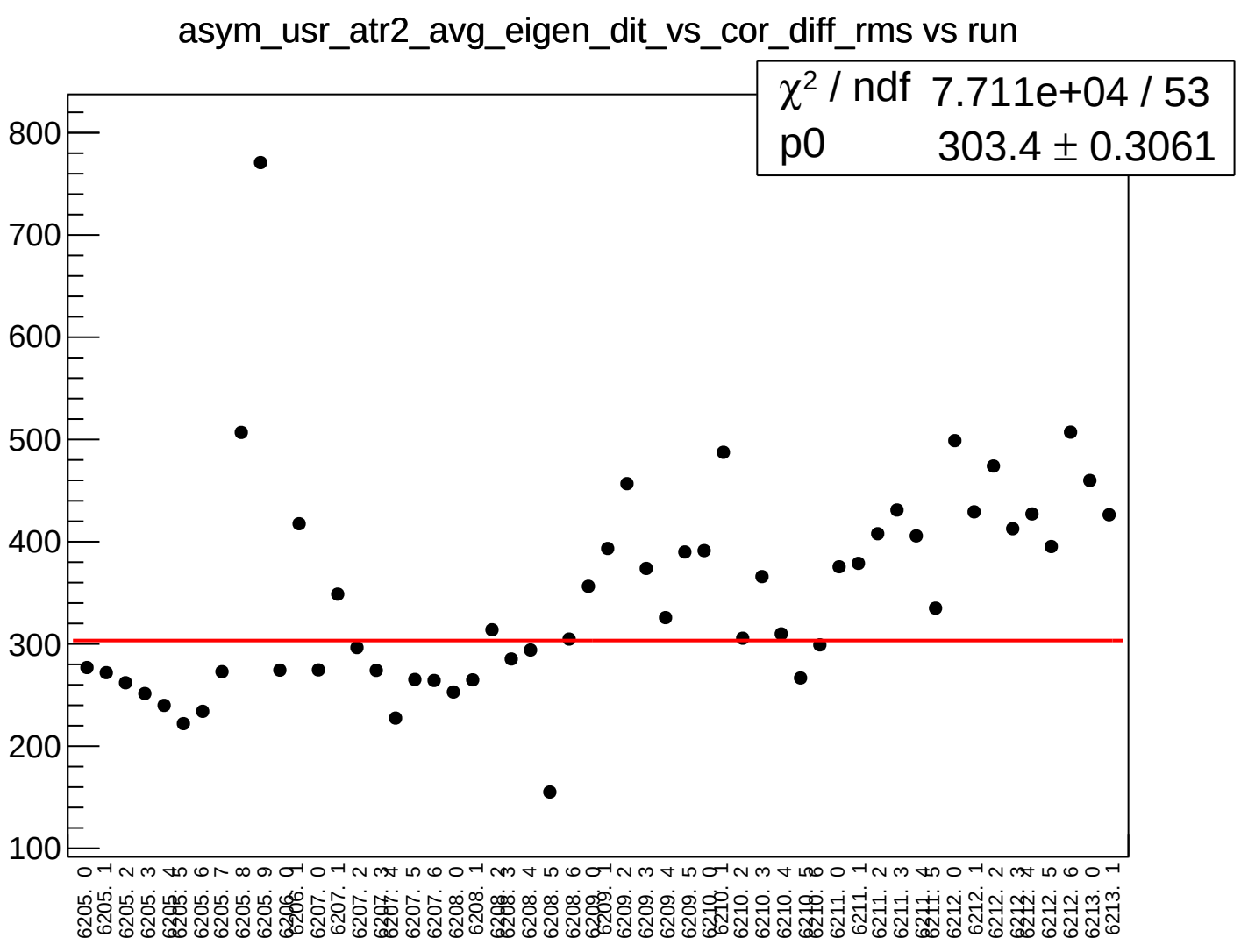

asym_usr_atr2_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.709e+04 / 53
p0 303.4 ± 0.3061
800
700
600
500
400
300
200
100
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

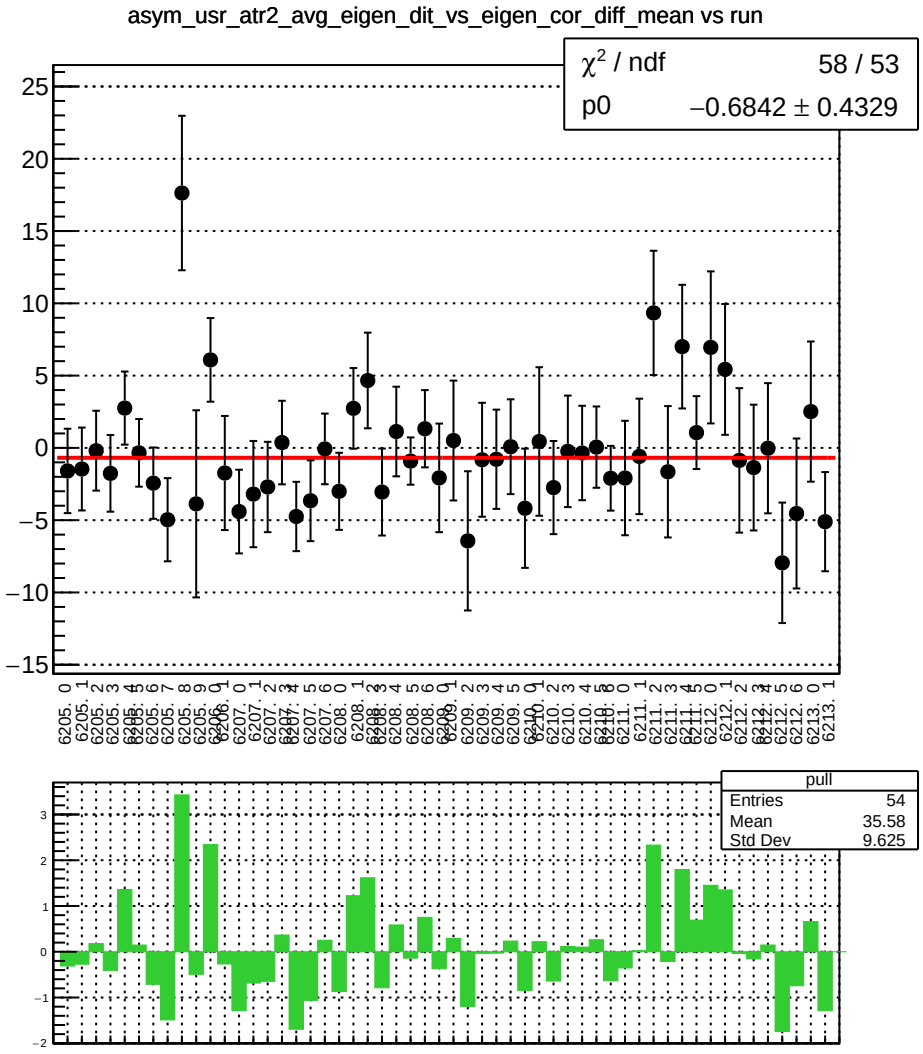

asym_usr_atr2_avg_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 41.54 / 53
p0 −1.981e−05 ± 5.047e−05
0.001
0.0005
0
−0.0005
−0.001
pull
Entries 54
Mean −10.36
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

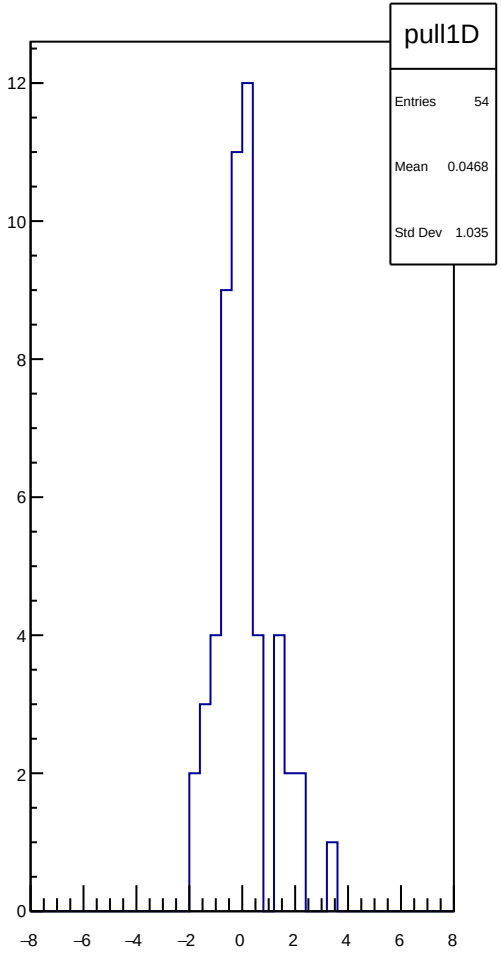

pull1D
Entries 54
Mean 0.01836
Std Dev 0.8768
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

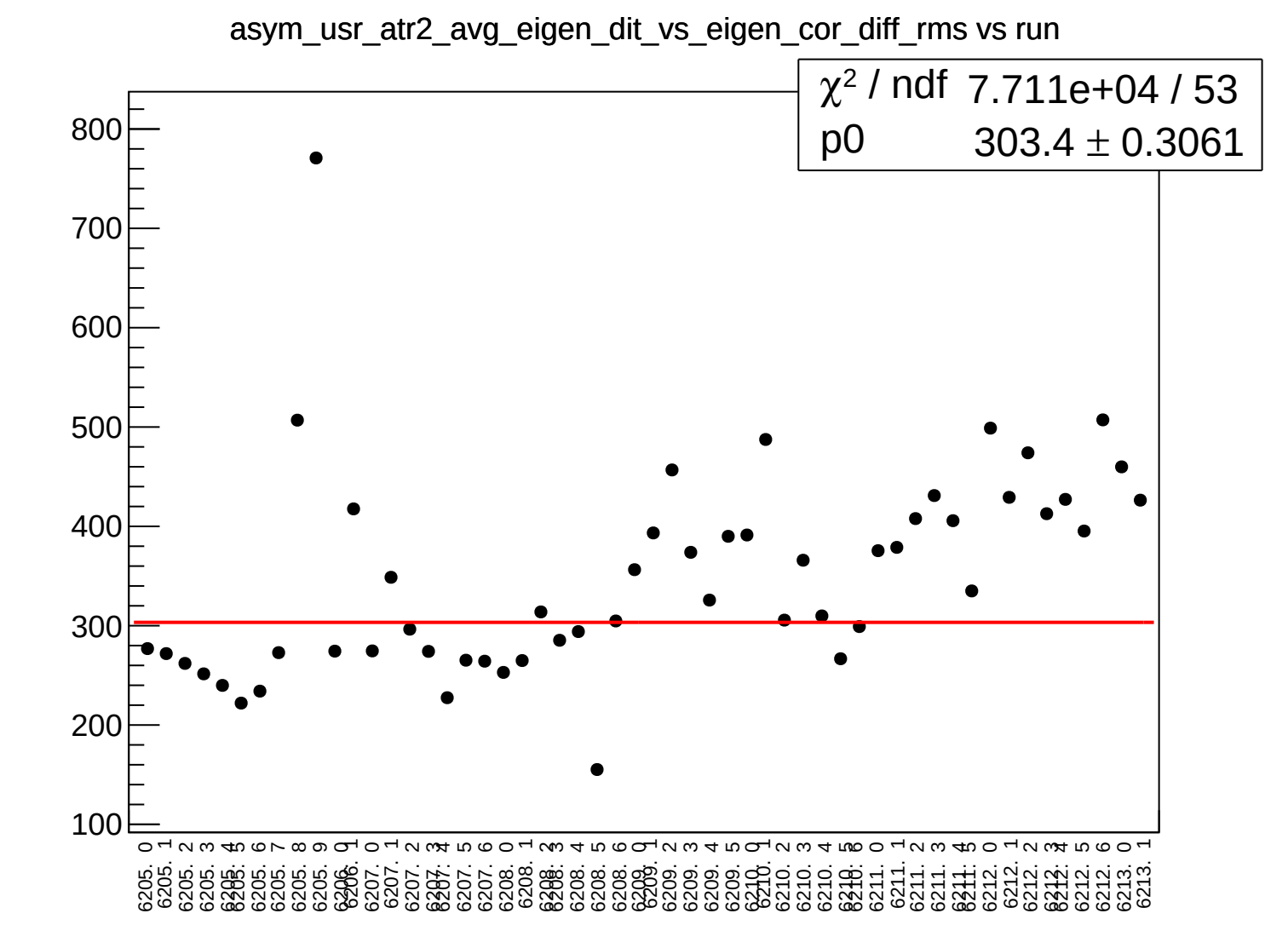

asym_usr_atr2_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3470 / 53
p0 0.03667 ± 3.569e−05
0.044
0.042
0.04
0.038
0.036
0.034
0.032

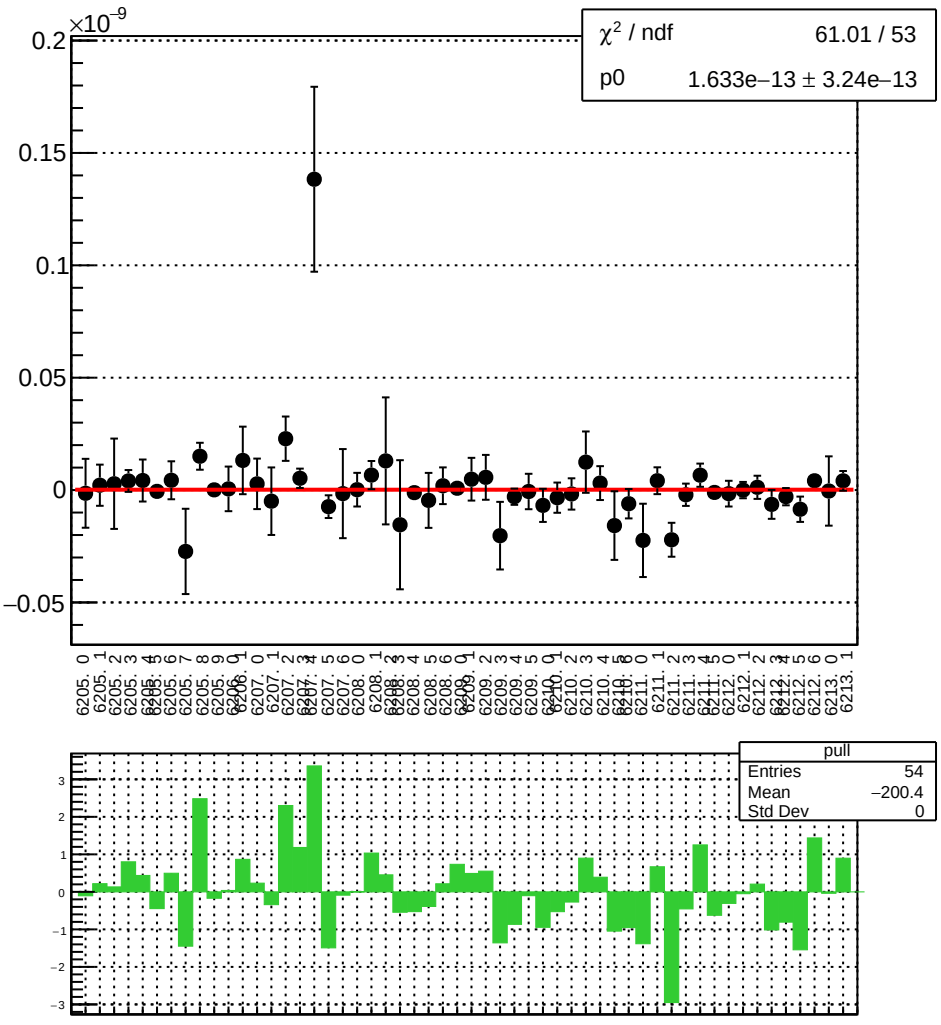

asym_usr_atr2_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 58 / 53
p0 −0.6842 ± 0.4329
pull
Entries 54
Mean 35.58
Std Dev 9.625
pull1D
Entries 54
Mean 0.0468
Std Dev 1.035

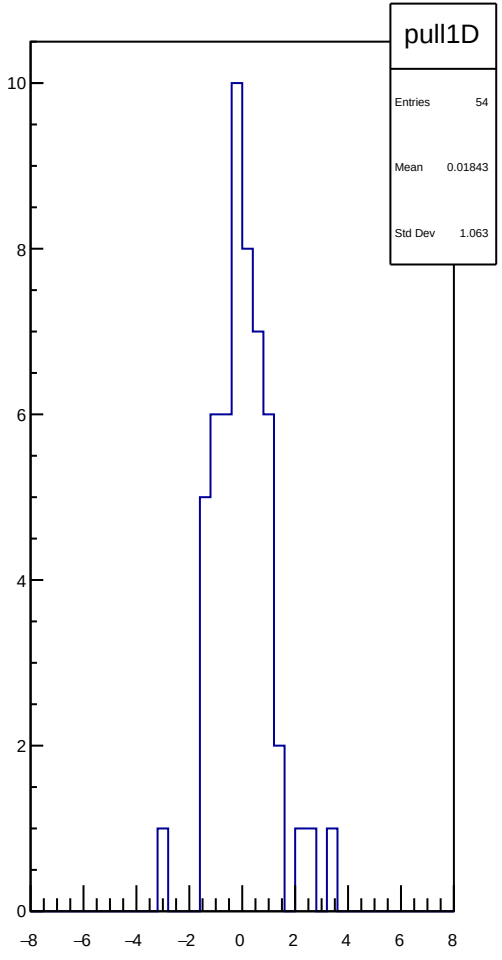

asym_usr_atr2_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 7.711e+04 / 53
p0 303.4 ± 0.3061
800
700
600
500
400
300
200
100
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

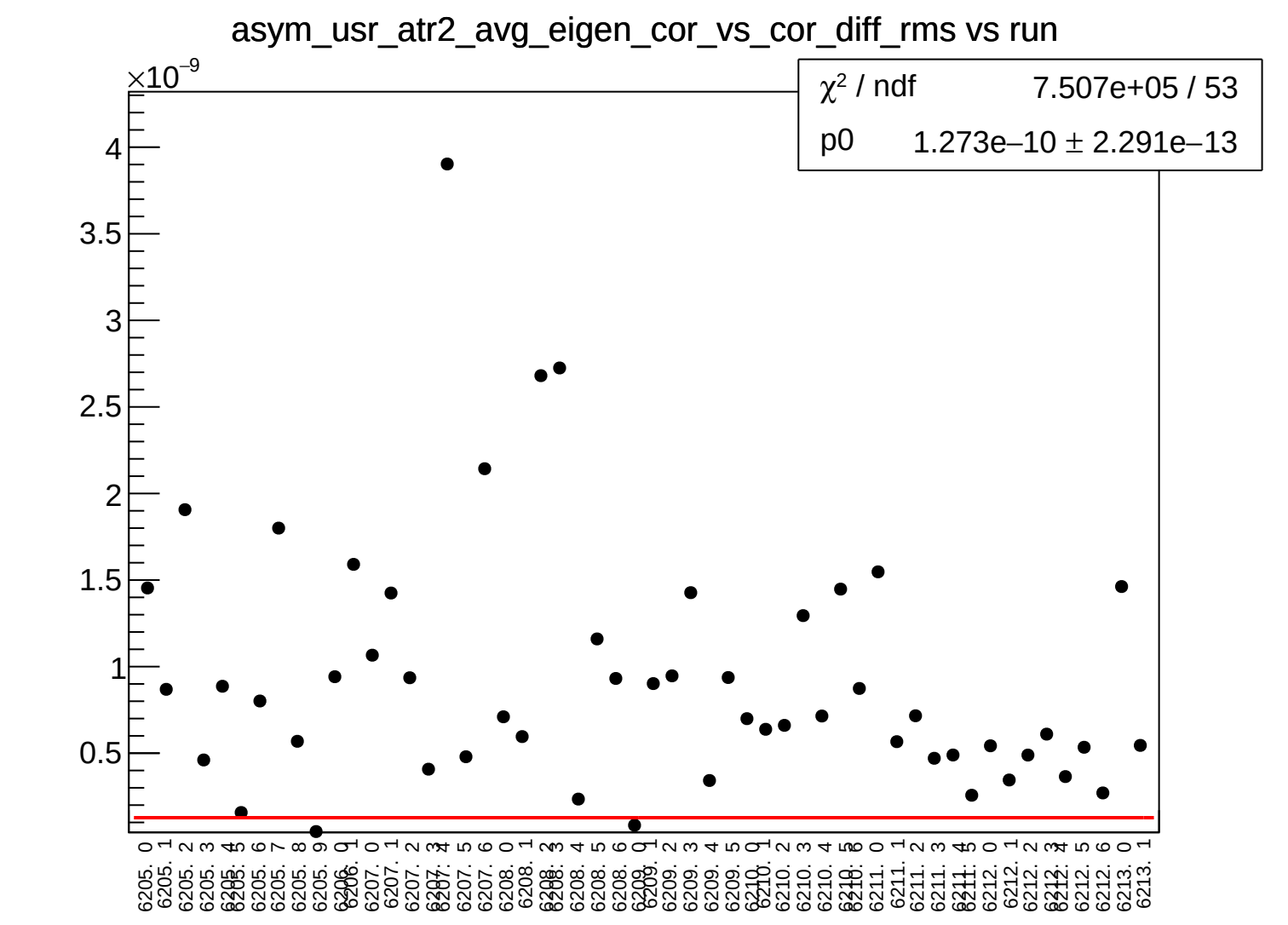

asym_usr_atr2_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 58 / 53
p0 −0.6842 ± 0.4329
pull
Entries 54
Mean 35.58
Std Dev 9.625

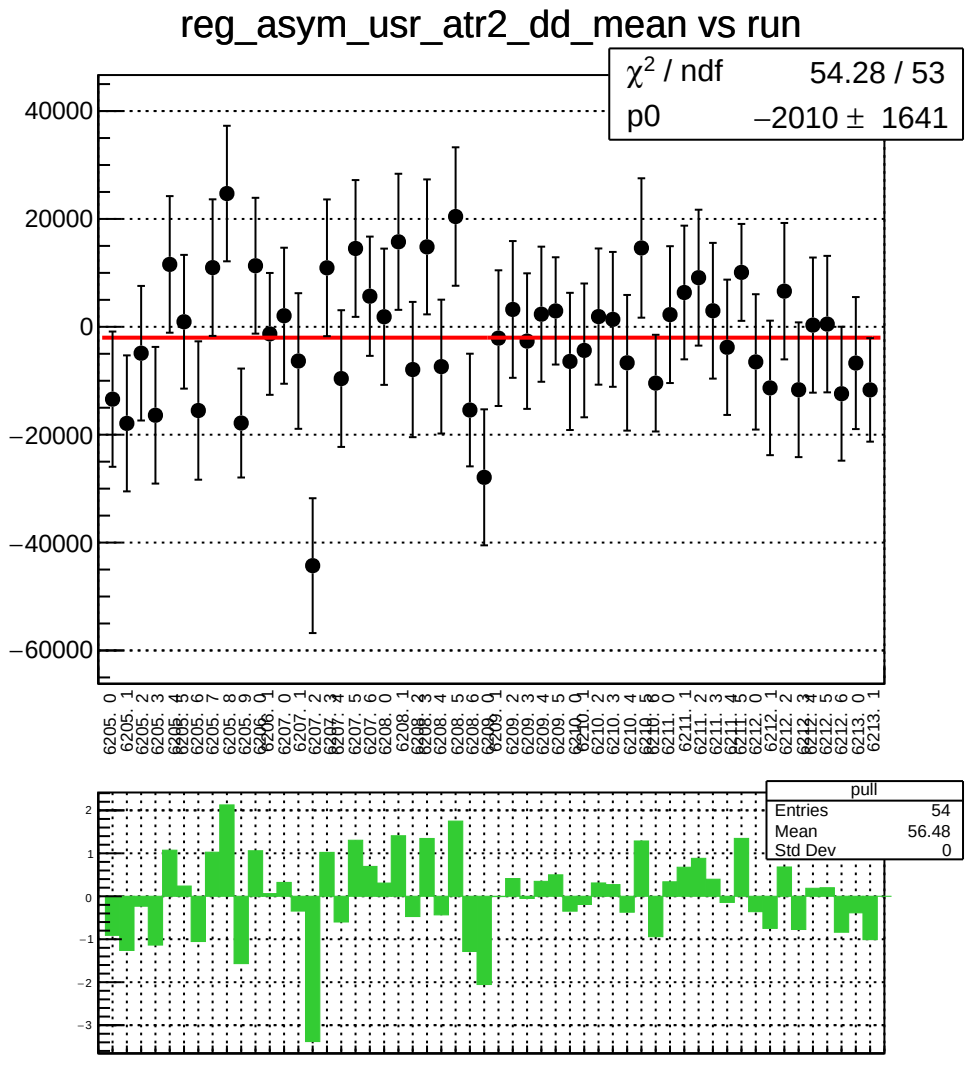

pull1D
Entries 54
Mean 0.0468
Std Dev 1.035

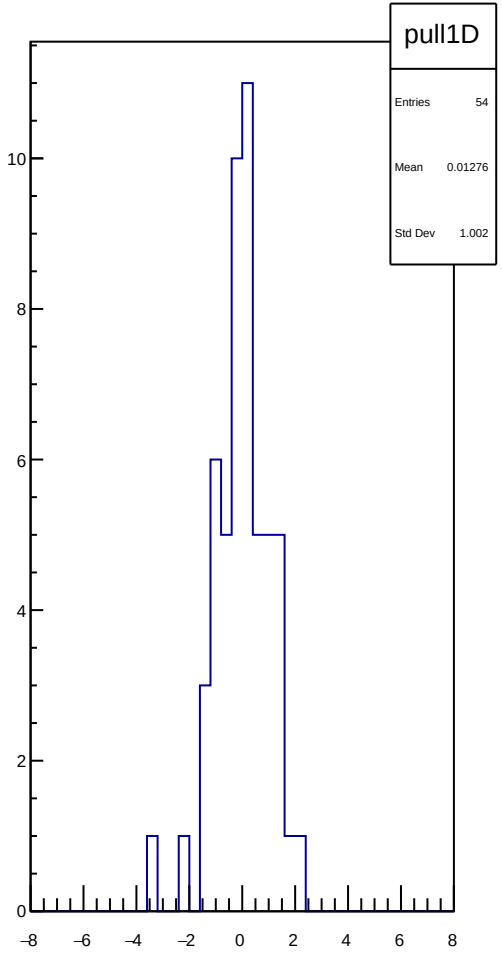

asym_usr_atr2_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.711e+04 / 53
p0 303.4 ± 0.3061
800
700
600
500
400
300
200
100
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 1
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

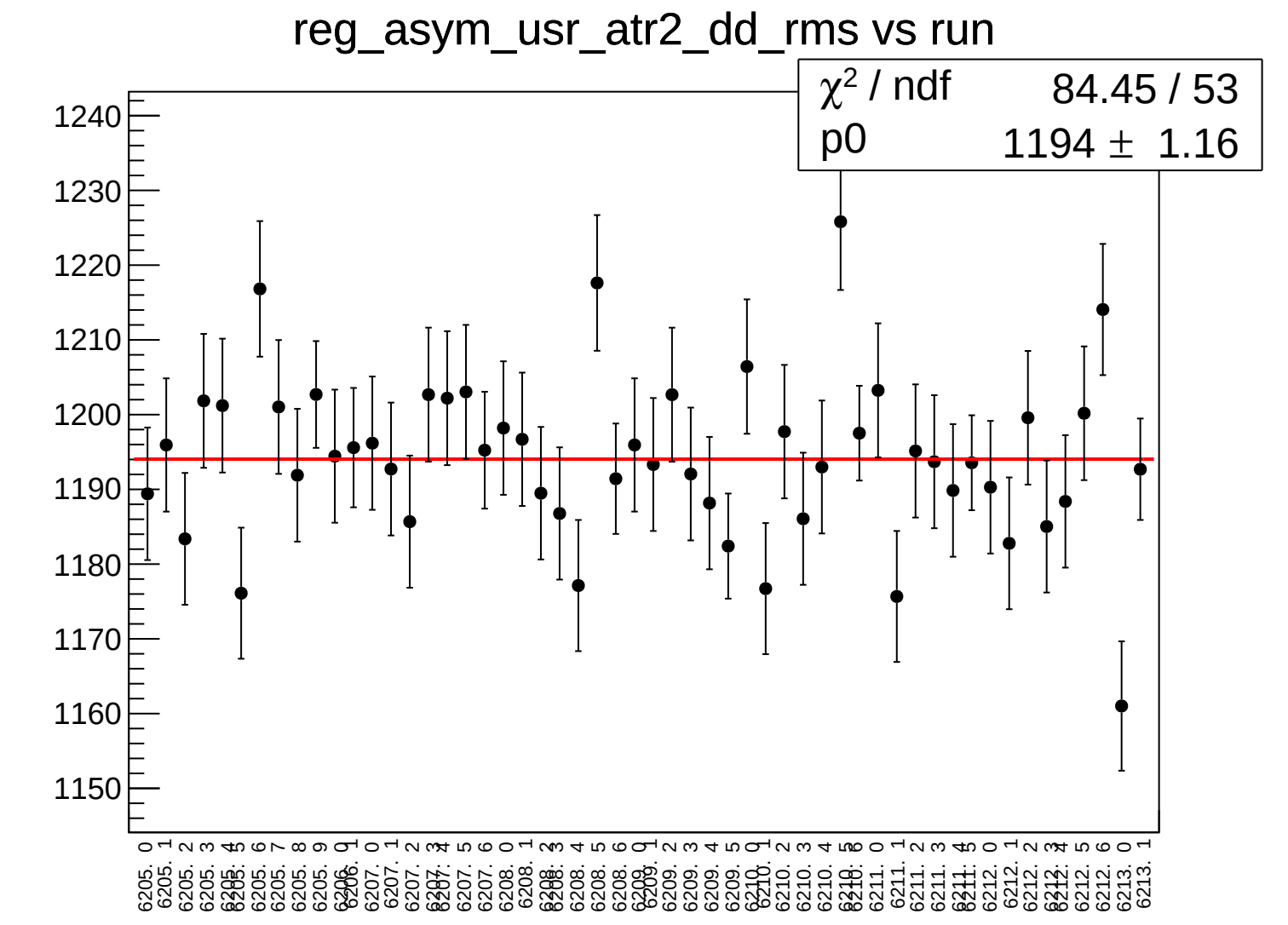

asym_usr_atr2_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻⁹
χ² / ndf 61.01 / 53
p0 1.633e−13 ± 3.24e−13
pull
Entries 54
Mean −200.4
Std Dev 0

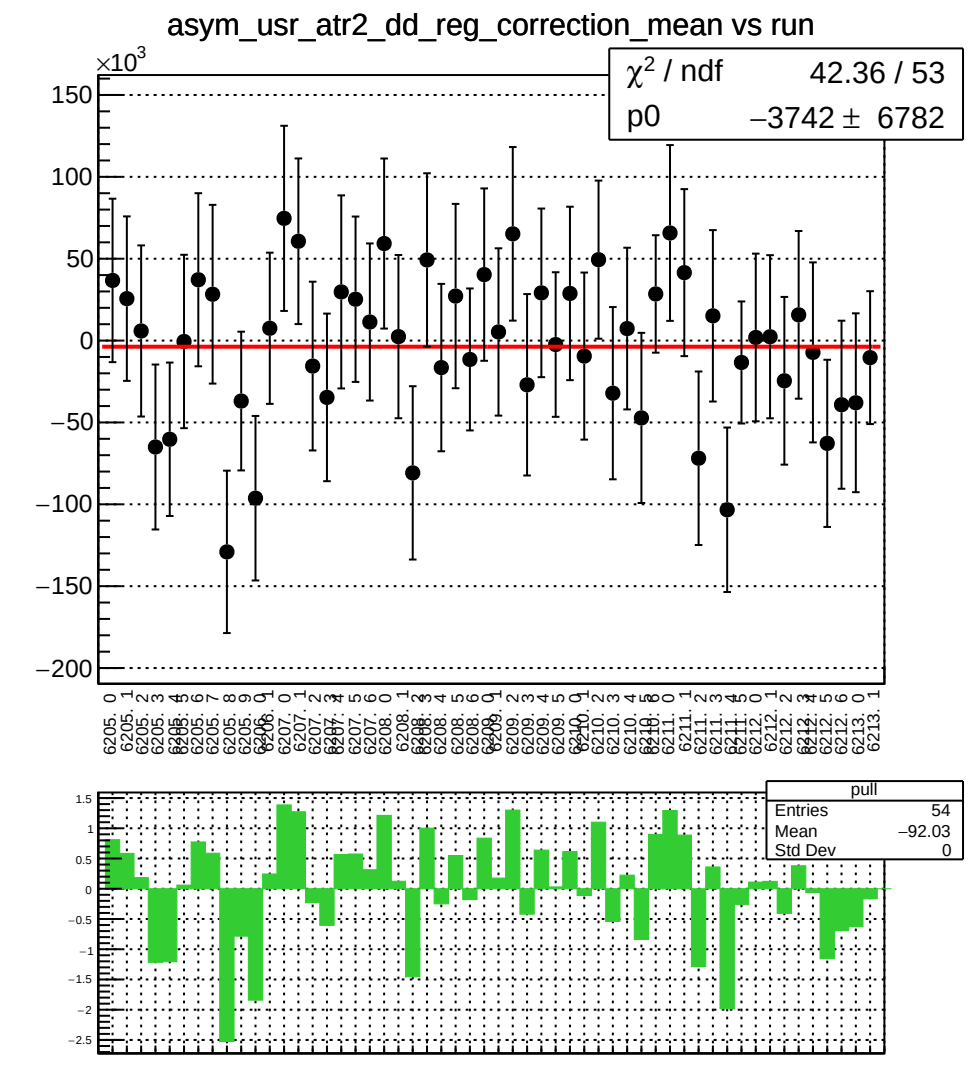

pull1D
Entries 54
Mean 0.01843
Std Dev 1.063

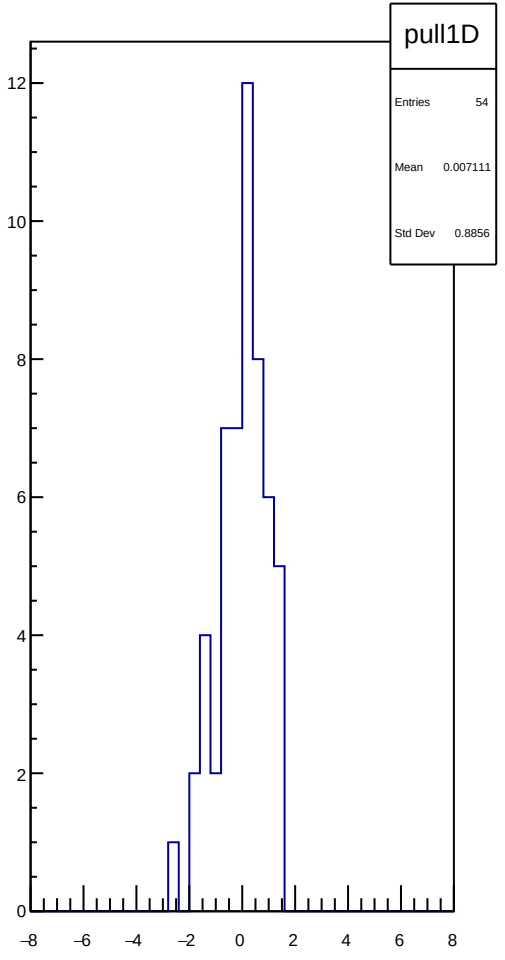

asym_usr_atr2_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 7.507e+05 / 53
p0 1.273e−10 ± 2.291e−13
4
3.5
3
2.5
2
1.5
1
0.5
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

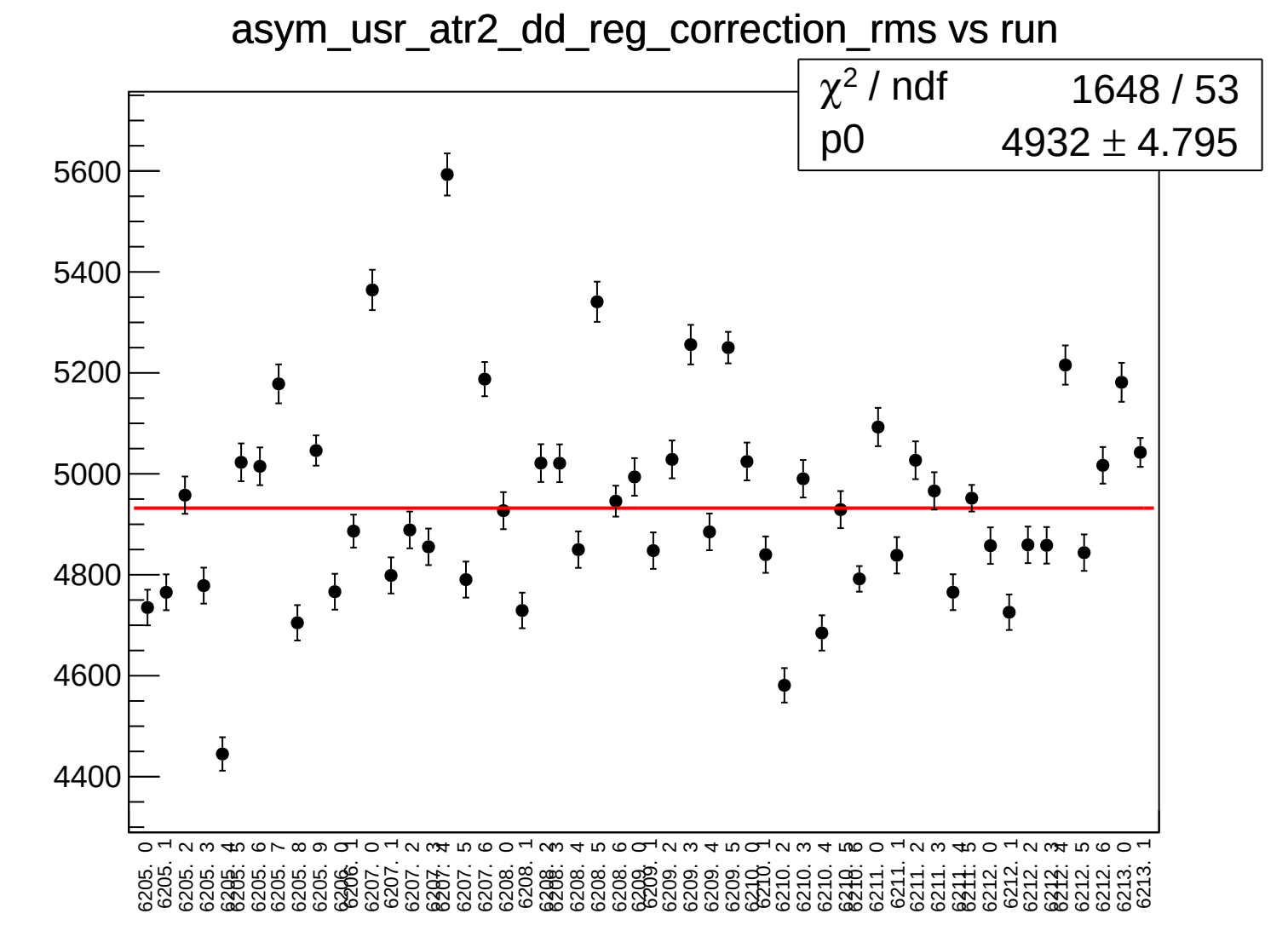

reg_asym_usr_atr2_dd_mean vs run
χ² / ndf 54.28 / 53
p0 −2010 ± 1641
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 56.48
Std Dev 0
2
1
0
−1
−2
−3

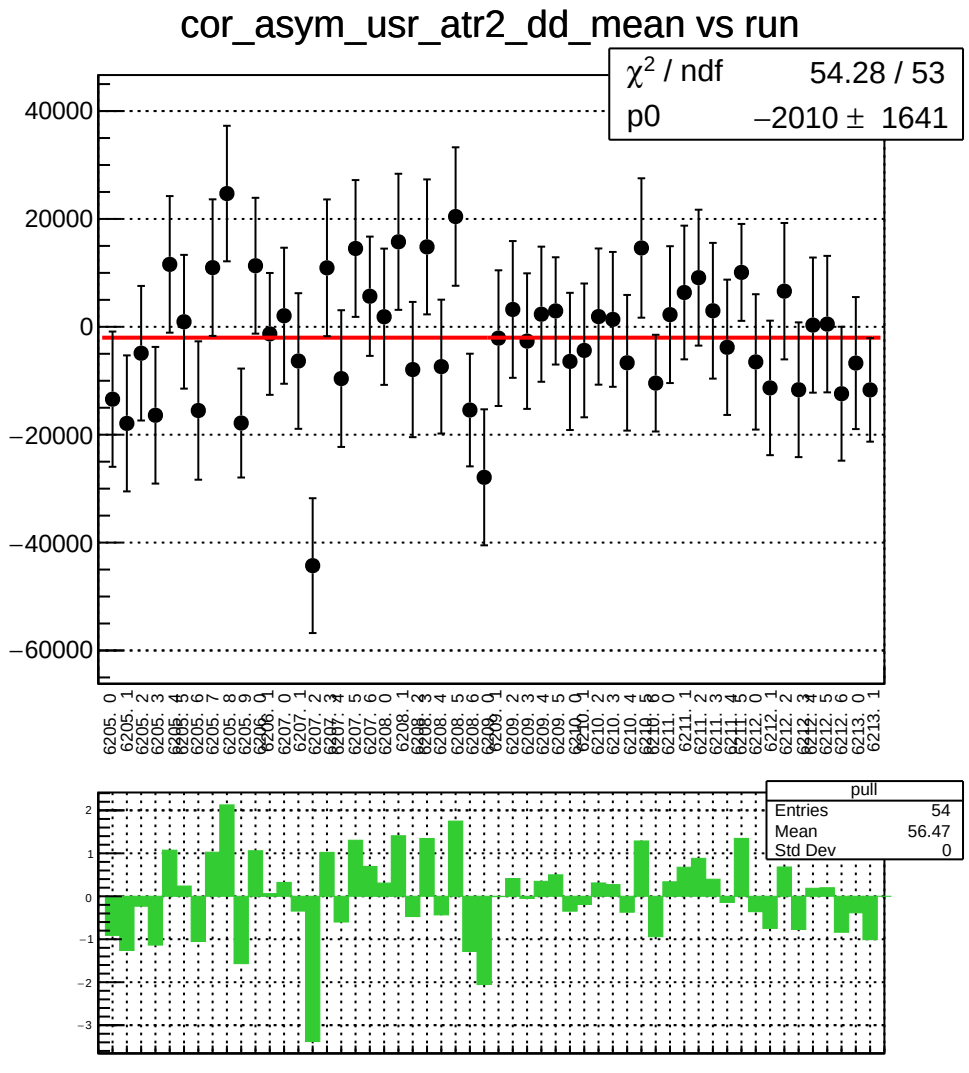

pull1D
Entries 54
Mean 0.01276
Std Dev 1.002
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

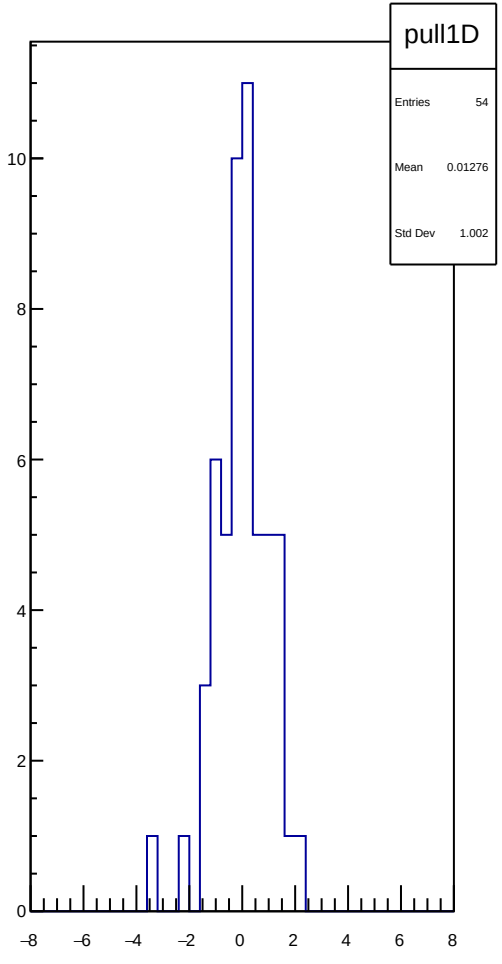

reg_asym_usr_atr2_dd_rms vs run
χ² / ndf 84.45 / 53
p0 1194 ± 1.16
1240
1230
1220
1210
1200
1190
1180
1170
1160
1150
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

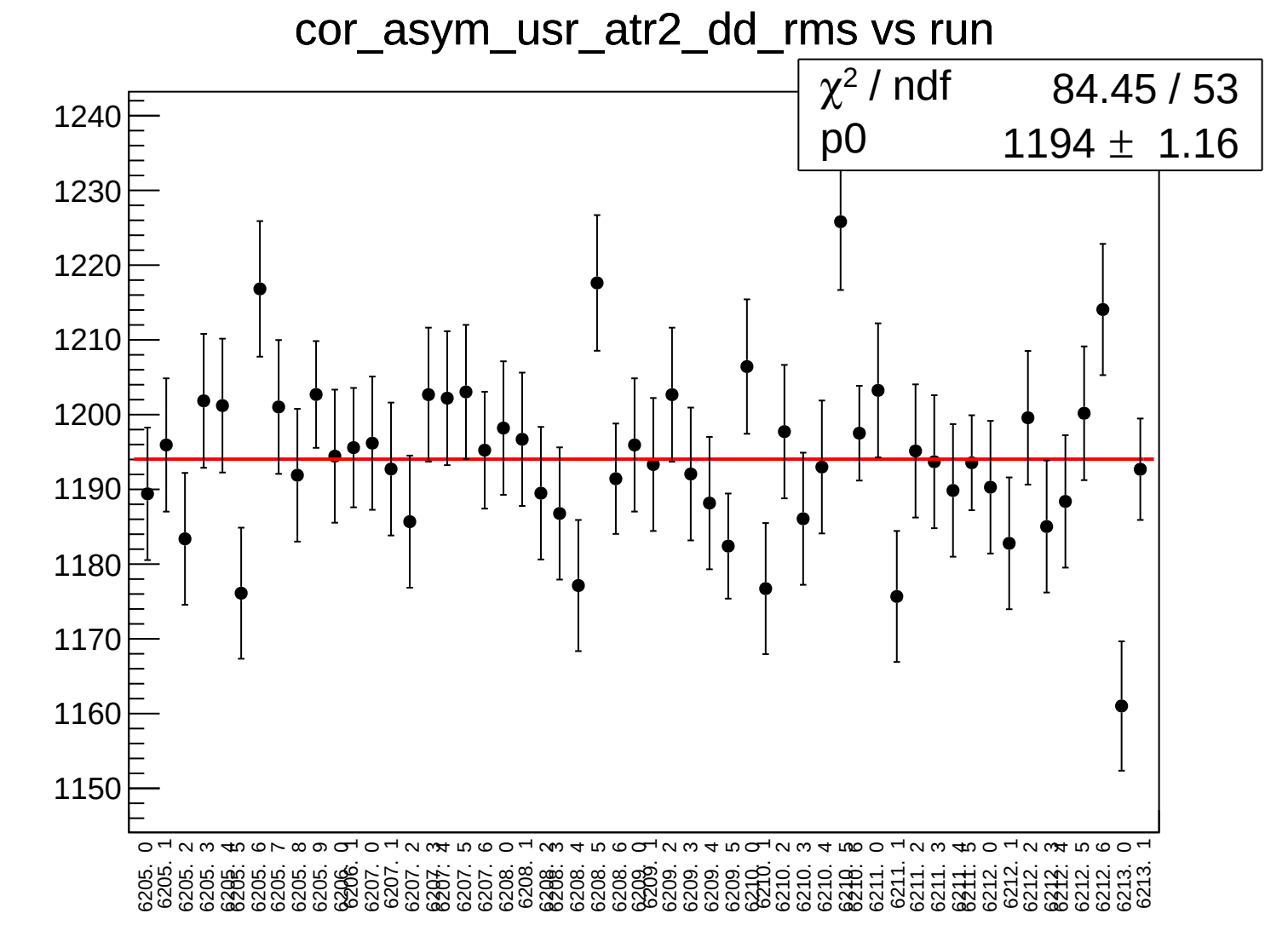

asym_usr_atr2_dd_reg_correction_mean vs run
×10^3
χ² / ndf 42.36 / 53
p0 −3742 ± 6782
150
100
50
0
−50
−100
−150
−200
pull
Entries 54
Mean −92.03
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

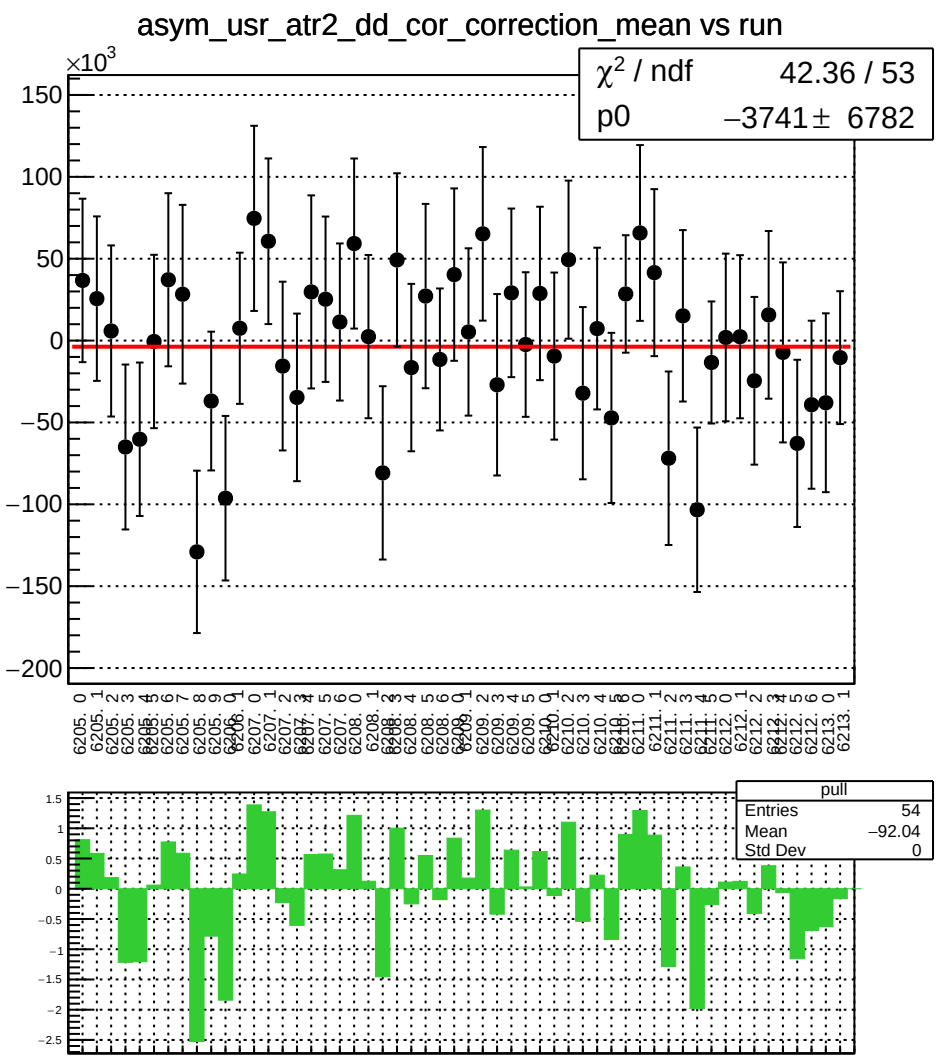

pull1D
Entries 54
Mean 0.007111
Std Dev 0.8856
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

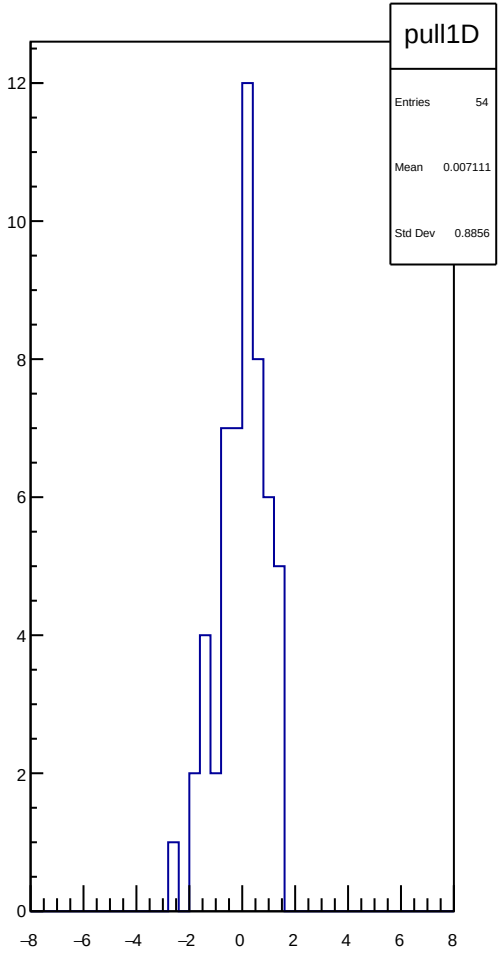

asym_usr_atr2_dd_reg_correction_rms vs run
χ² / ndf 1648 / 53
p0 4932 ± 4.795
5600
5400
5200
5000
4800
4600
4400
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

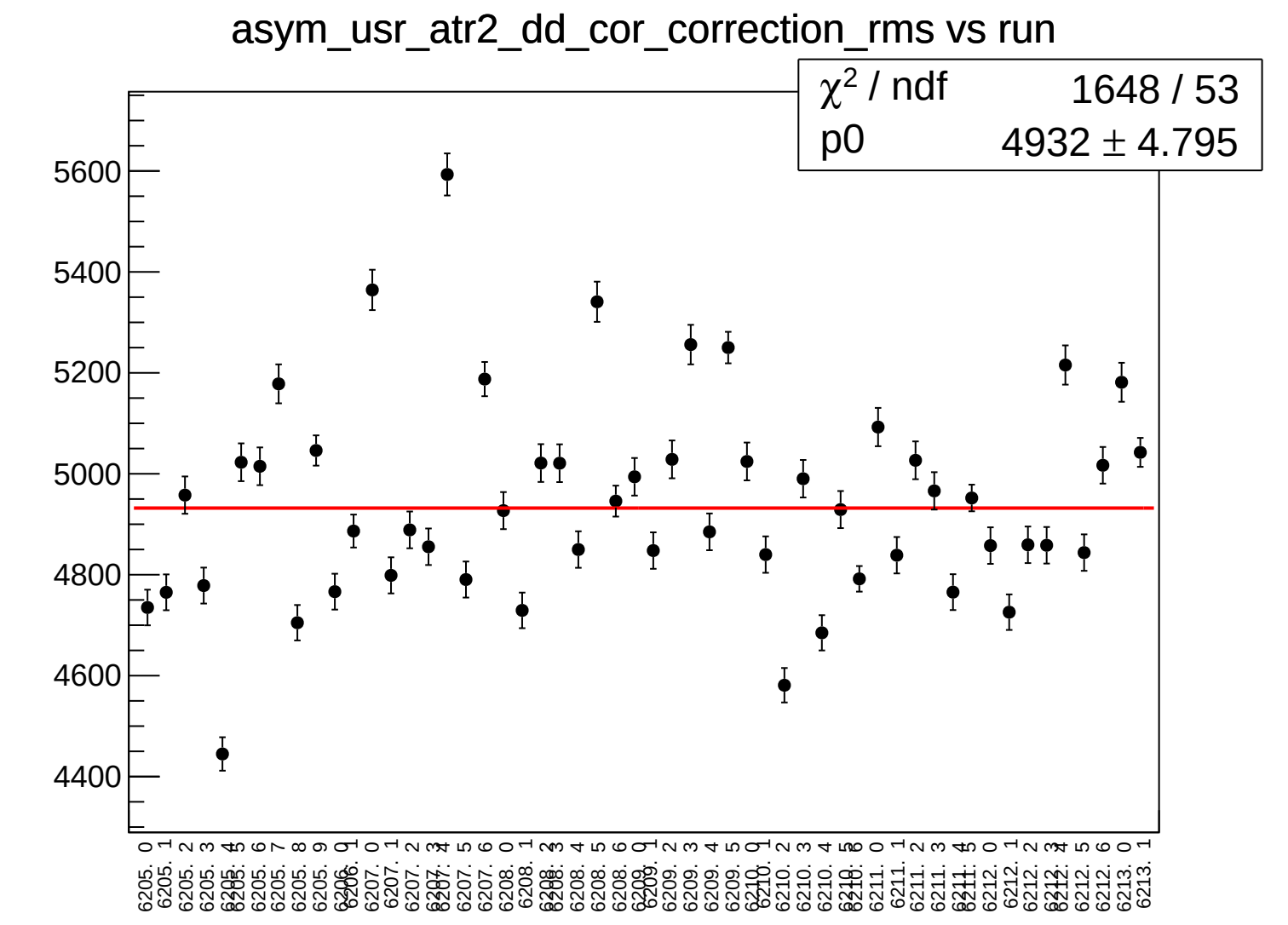

cor_asym_usr_atr2_dd_mean vs run
χ² / ndf 54.28 / 53
p0 −2010 ± 1641
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 56.47
Std Dev 0
2
1
0
−1
−2
−3

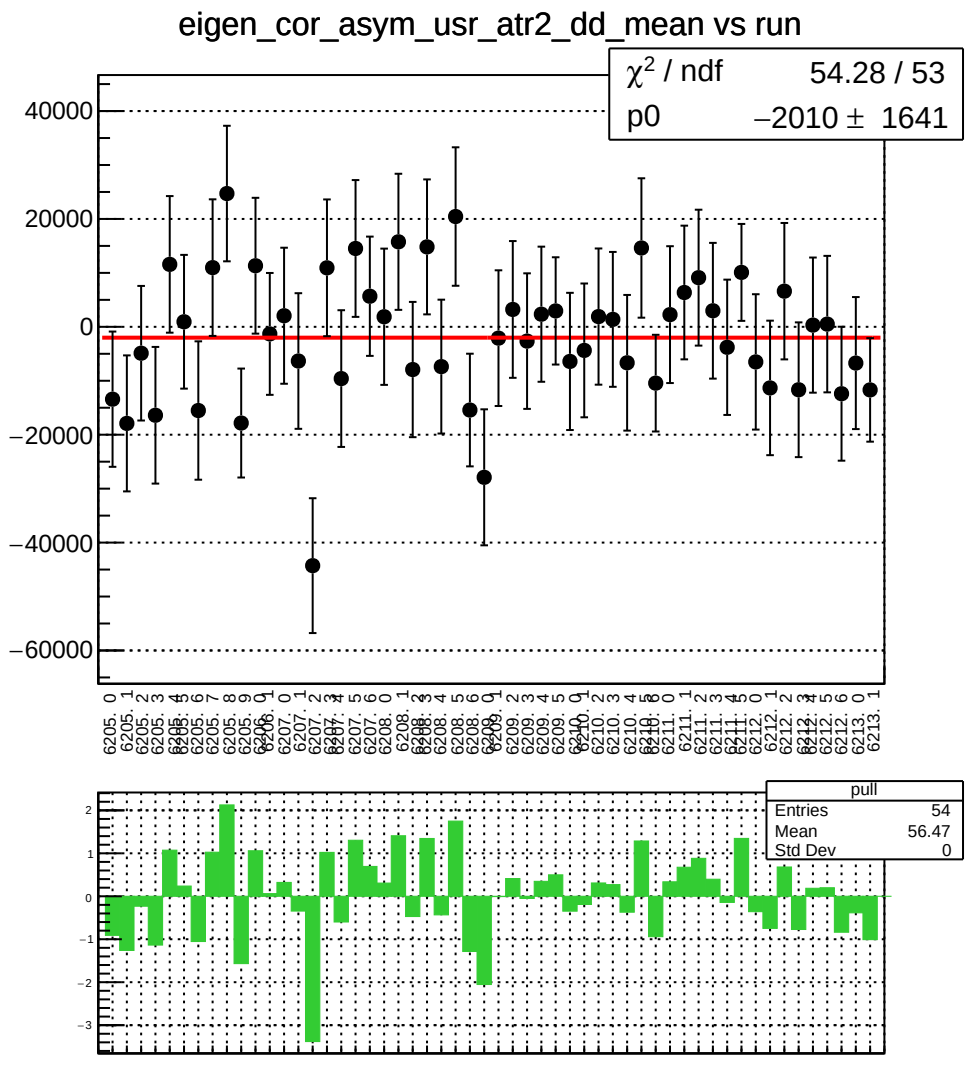

pull1D
Entries 54
Mean 0.01276
Std Dev 1.002
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

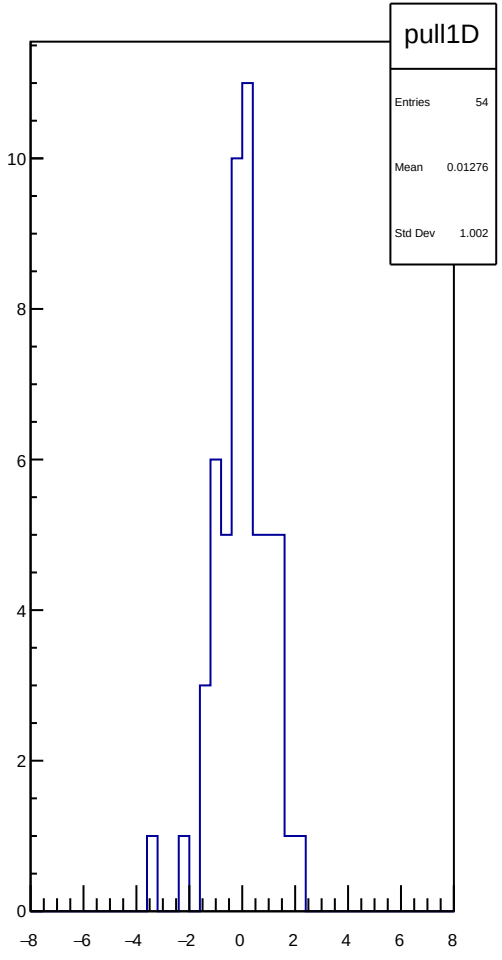

cor_asym_usr_atr2_dd_rms vs run
χ² / ndf 84.45 / 53
p0 1194 ± 1.16
1240
1230
1220
1210
1200
1190
1180
1170
1160
1150
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

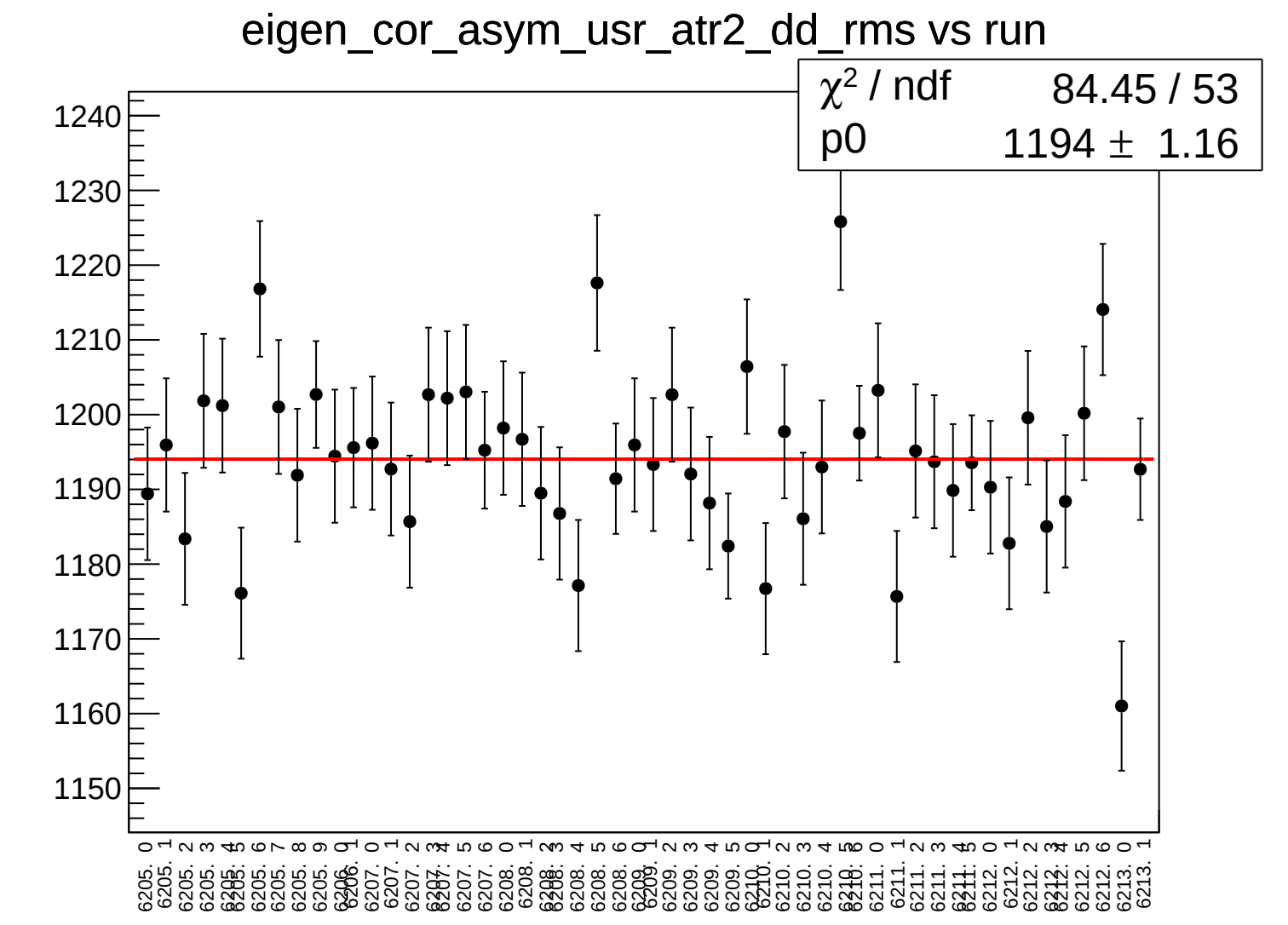

asym_usr_atr2_dd_cor_correction_mean vs run
×10^3
χ² / ndf 42.36 / 53
p0 −3741 ± 6782
150
100
50
0
−50
−100
−150
−200
pull
Entries 54
Mean −92.04
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

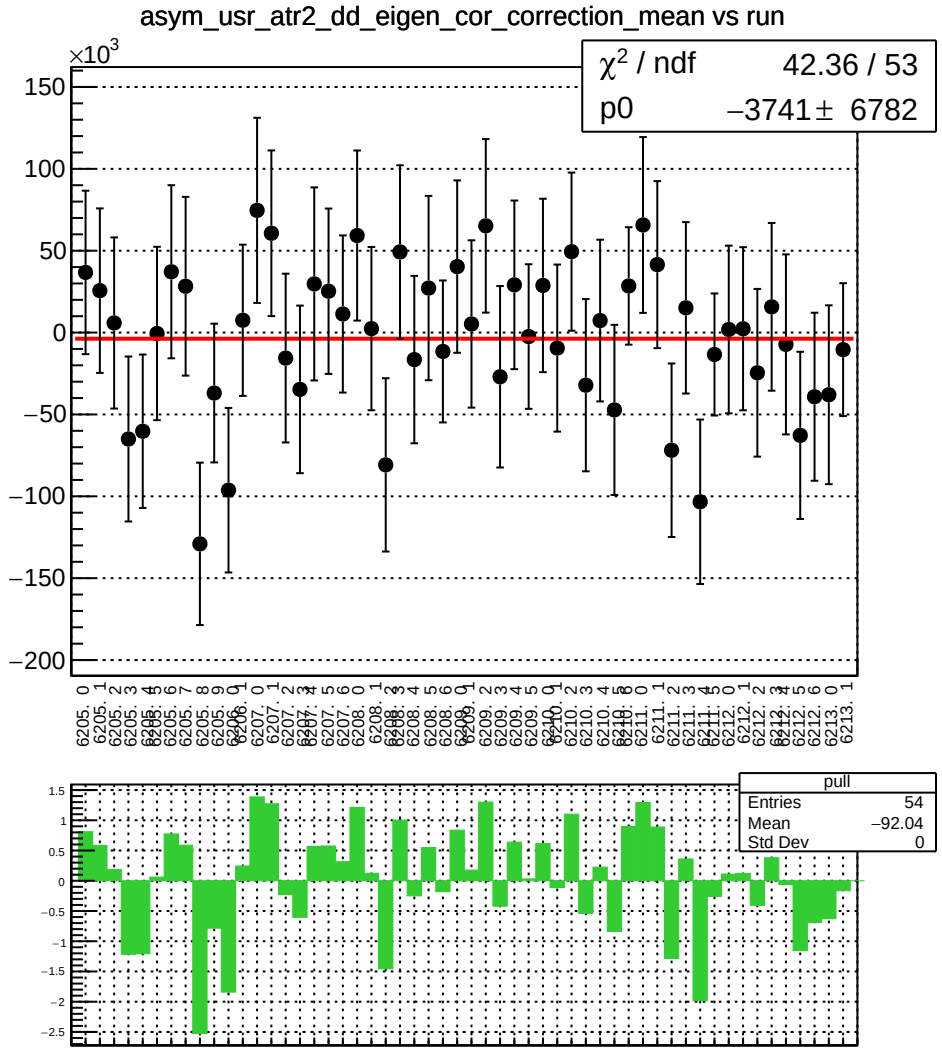

pull1D
Entries 54
Mean 0.007111
Std Dev 0.8856
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

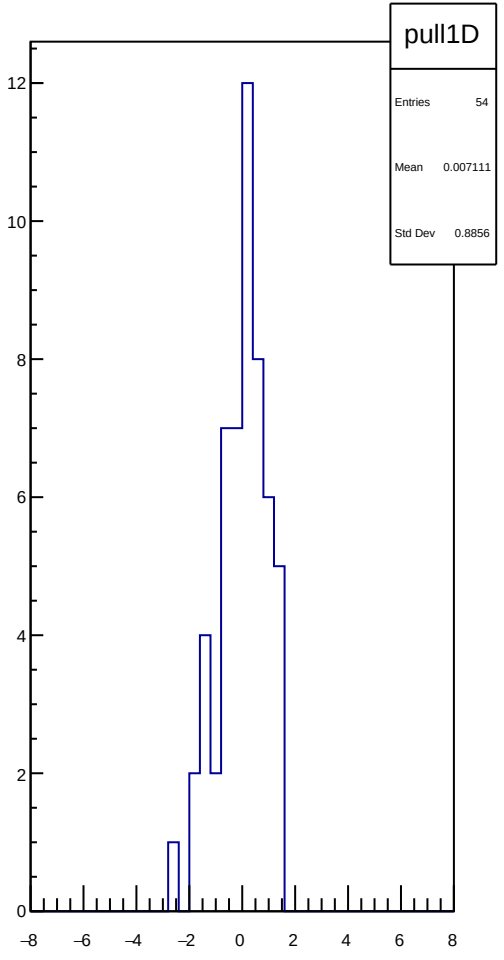

asym_usr_atr2_dd_cor_correction_rms vs run
χ² / ndf 1648 / 53
p0 4932 ± 4.795
5600
5400
5200
5000
4800
4600
4400
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

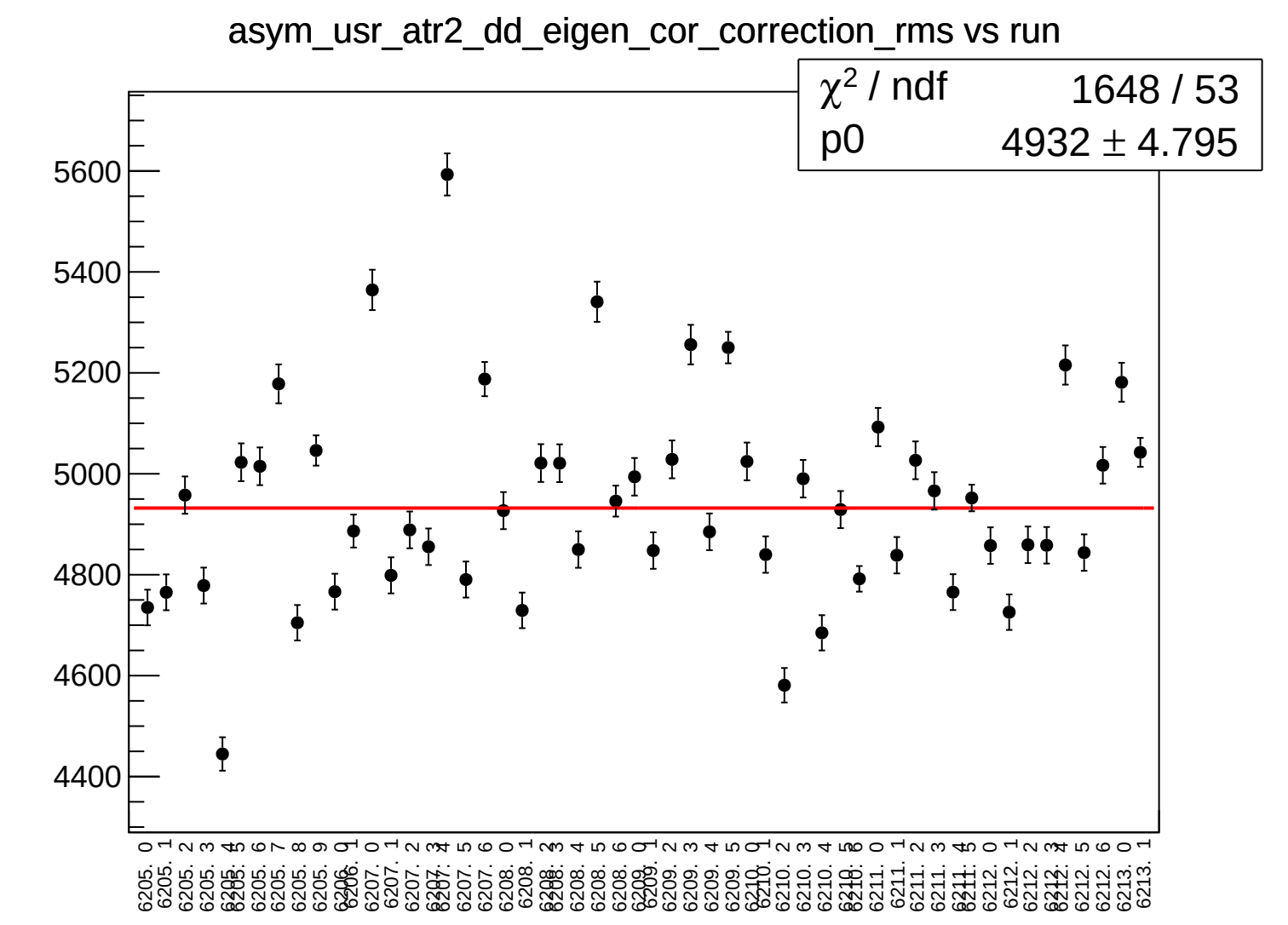

eigen_cor_asym_usr_atr2_dd_mean vs run
χ² / ndf 54.28 / 53
p0 −2010 ± 1641
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 56.47
Std Dev 0
2
1
0
−1
−2
−3

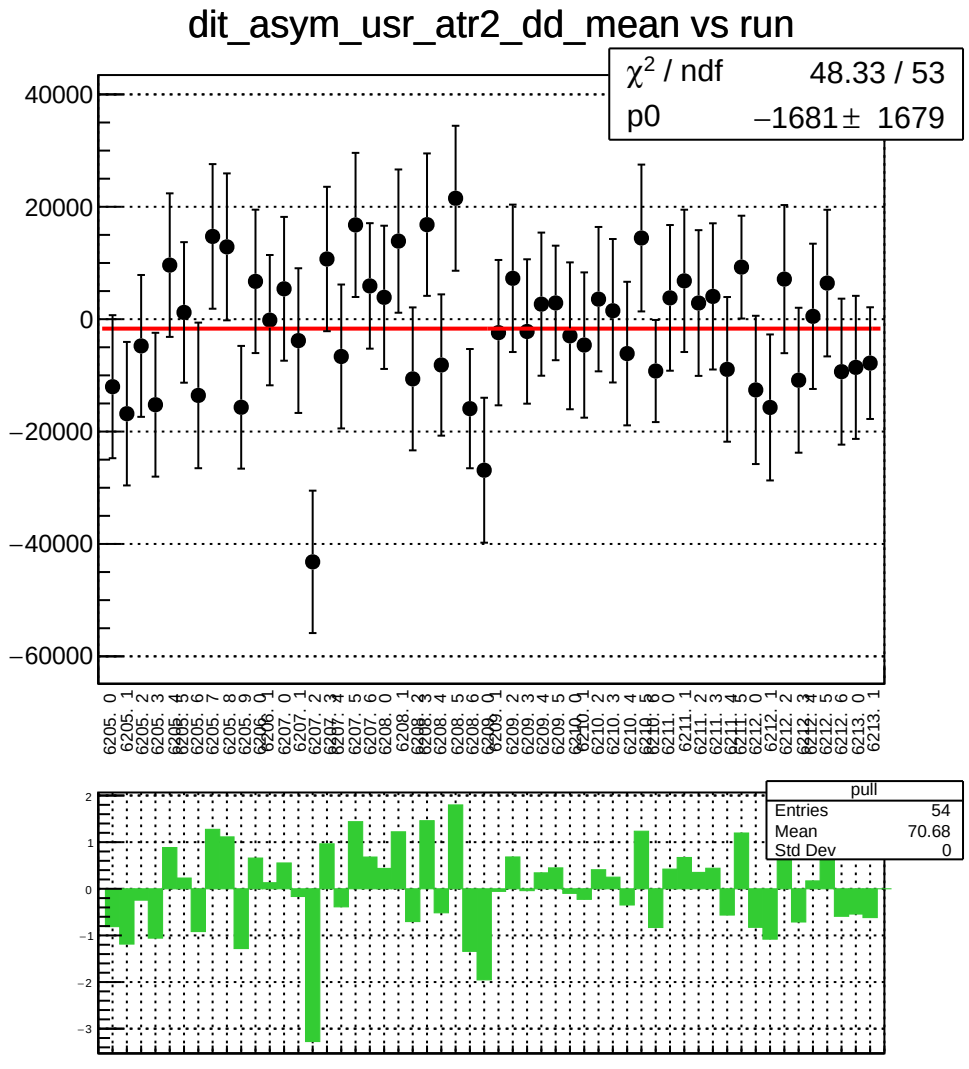

pull1D
Entries 54
Mean 0.01276
Std Dev 1.002
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

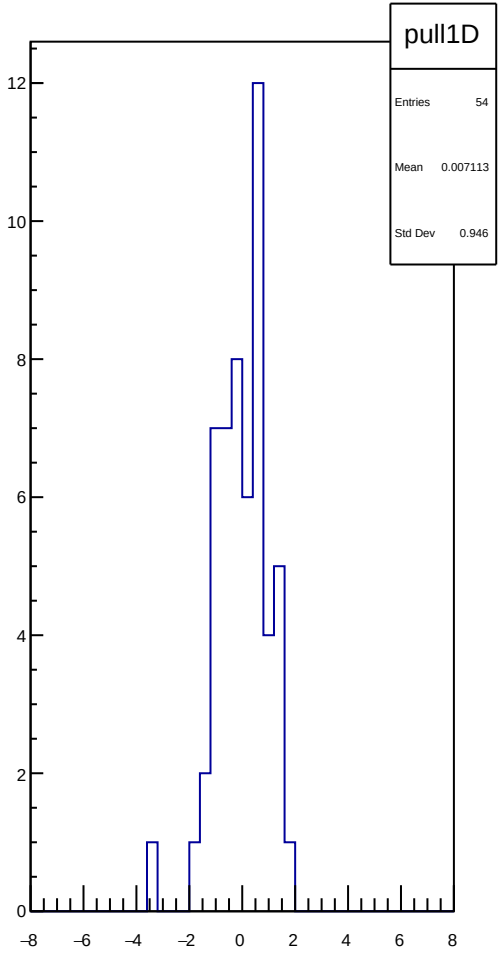

eigen_cor_asym_usr_atr2_dd_rms vs run
χ² / ndf 84.45 / 53
p0 1194 ± 1.16
1240
1230
1220
1210
1200
1190
1180
1170
1160
1150
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

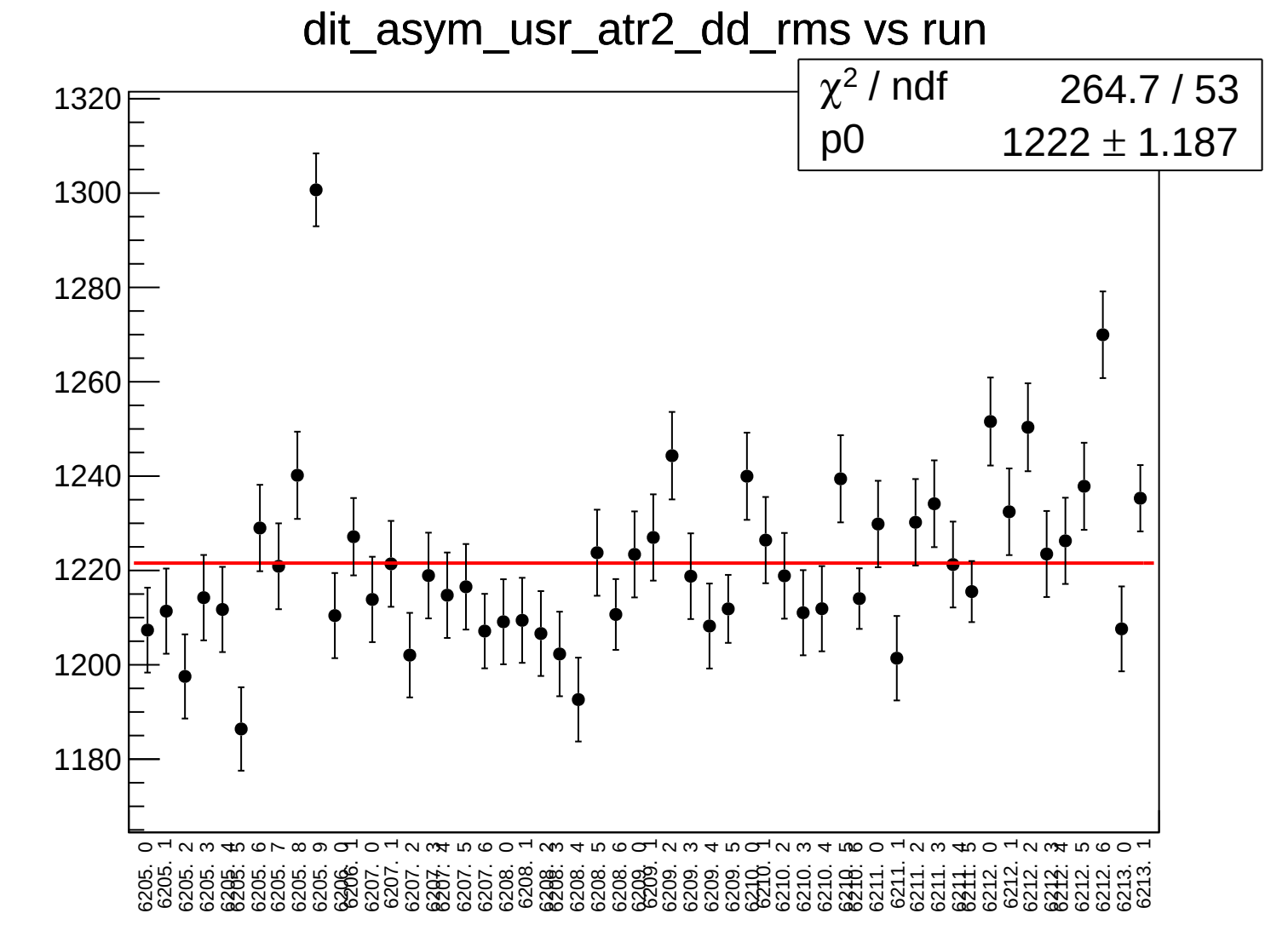

asym_usr_atr2_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 42.36 / 53
p0 −3741 ± 6782
150
100
50
0
−50
−100
−150
−200
pull
Entries 54
Mean −92.04
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

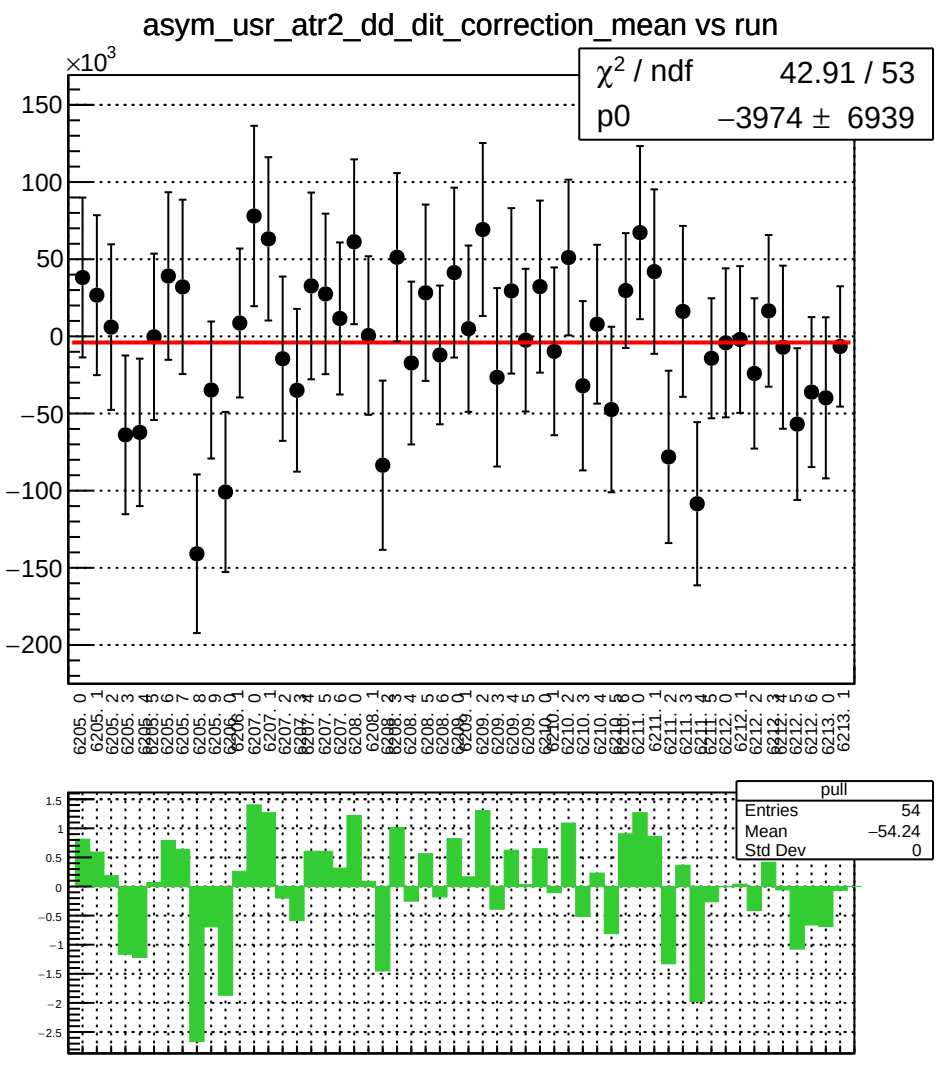

pull1D
Entries 54
Mean 0.007111
Std Dev 0.8856
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

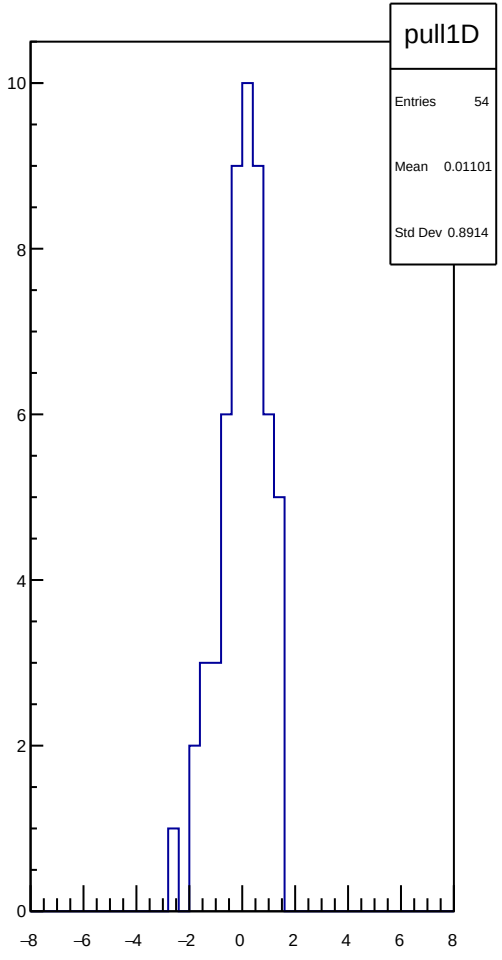

asym_usr_atr2_dd_eigen_cor_correction_rms vs run
χ² / ndf 1648 / 53
p0 4932 ± 4.795
5600
5400
5200
5000
4800
4600
4400

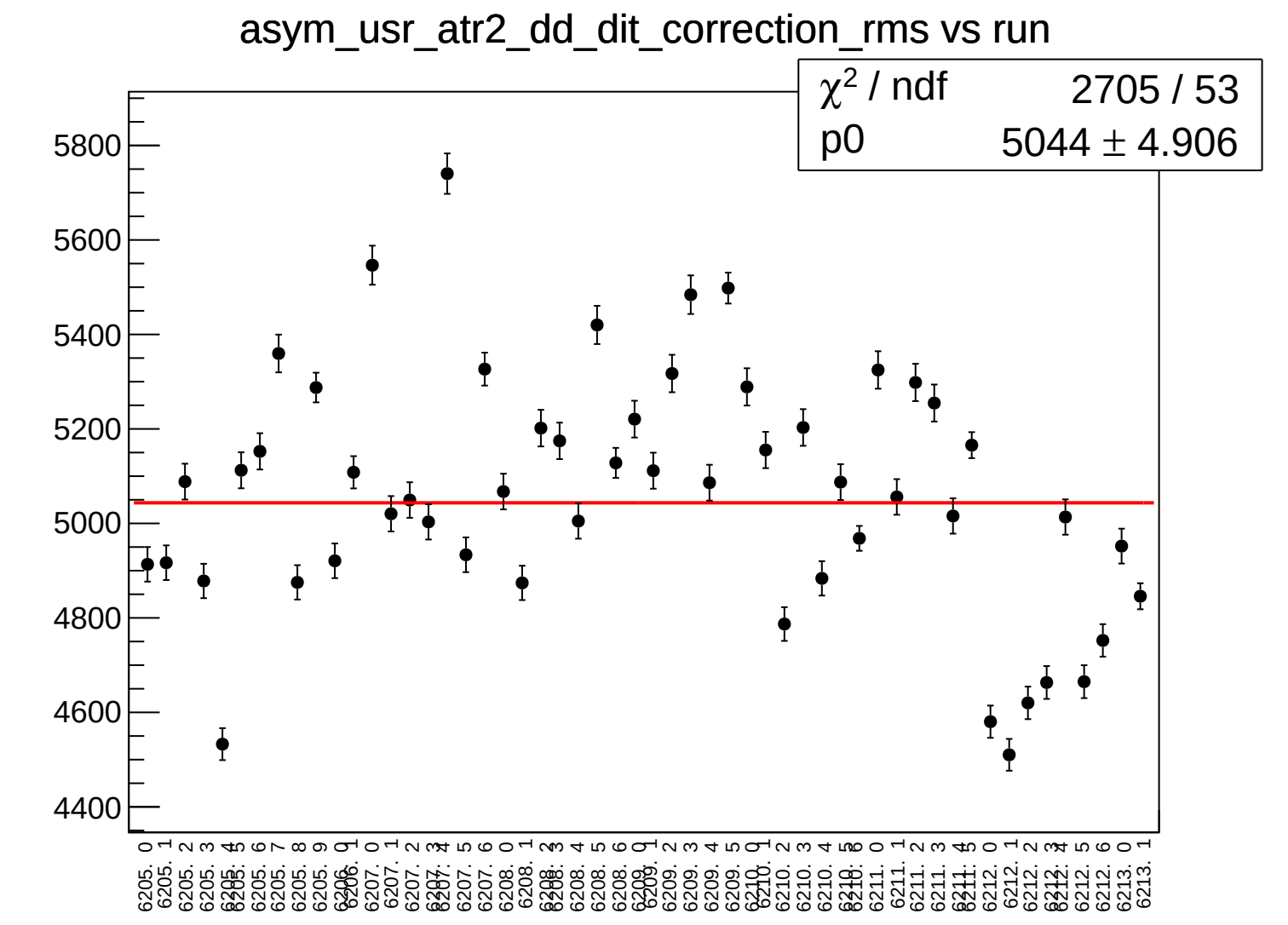

dit_asym_usr_atr2_dd_mean vs run
χ² / ndf 48.33 / 53
p0 −1681 ± 1679
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 70.68
Std Dev 0
2
1
0
−1
−2
−3

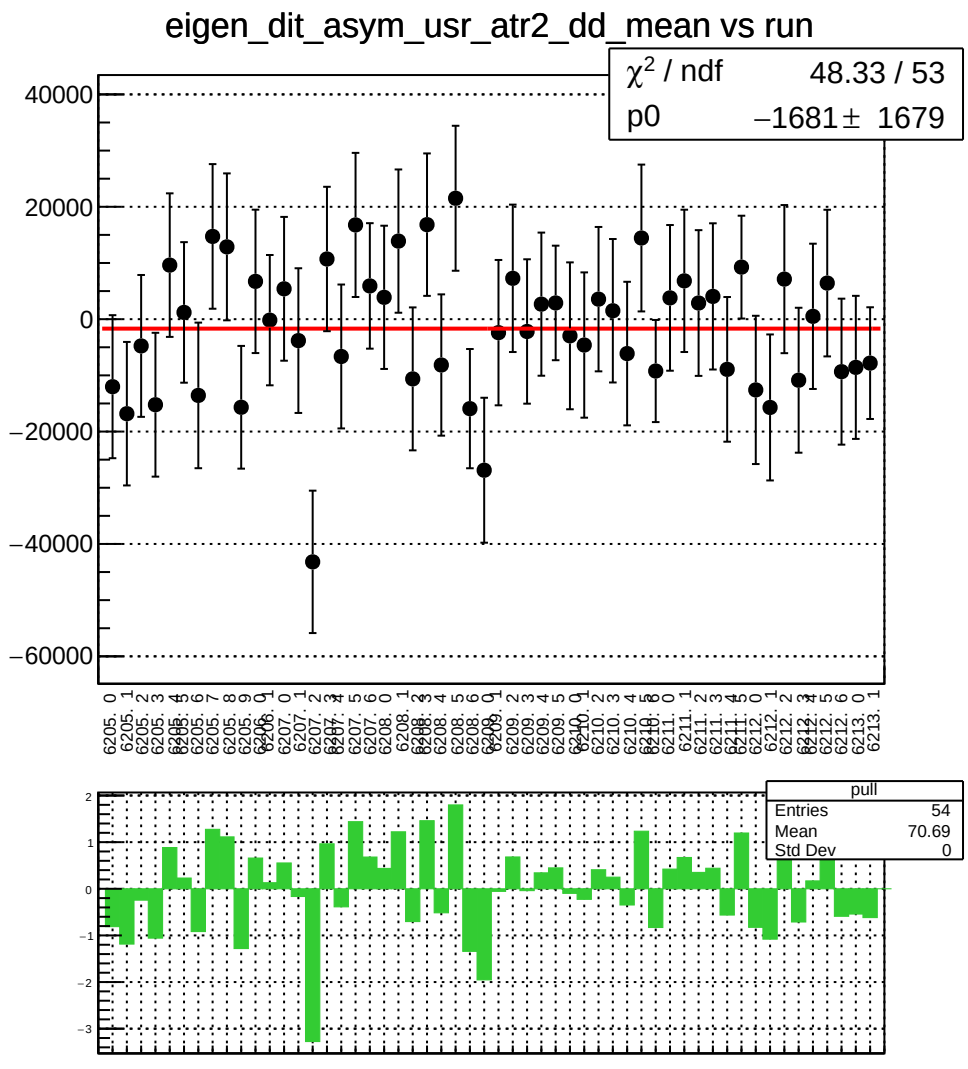

pull1D
Entries 54
Mean 0.007113
Std Dev 0.946
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

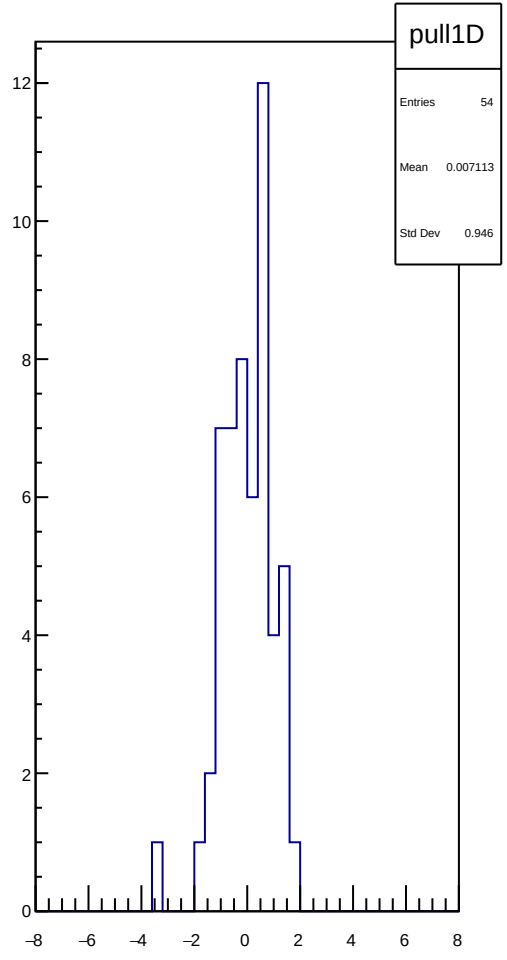

dit_asym_usr_atr2_dd_rms vs run
χ² / ndf 264.7 / 53
p0 1222 ± 1.187
1320
1300
1280
1260
1240
1220
1200
1180
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

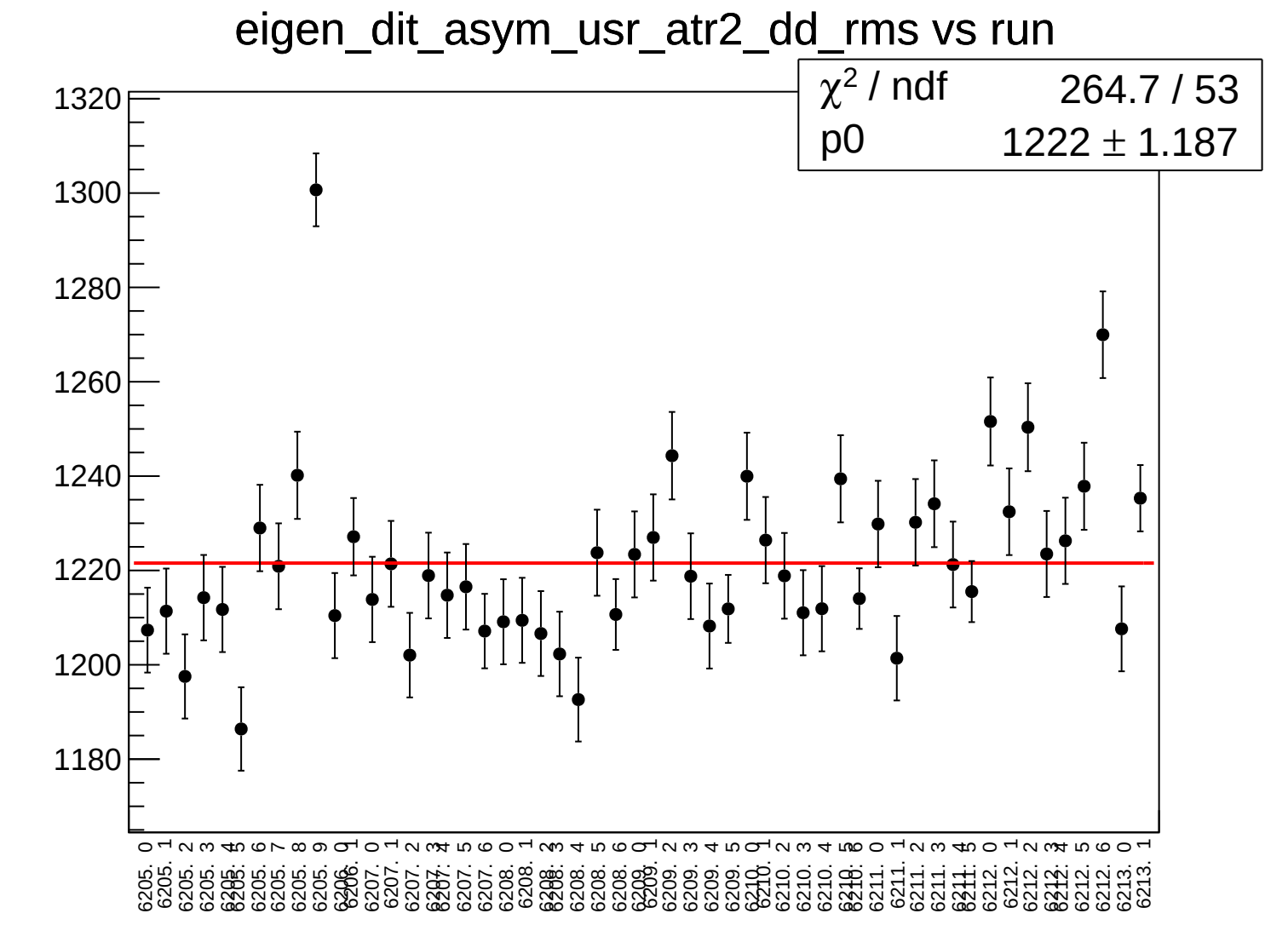

asym_usr_atr2_dd_dit_correction_mean vs run
×10^3
χ² / ndf 42.91 / 53
p0 −3974 ± 6939
150
100
50
0
−50
−100
−150
−200
pull
Entries 54
Mean −54.24
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

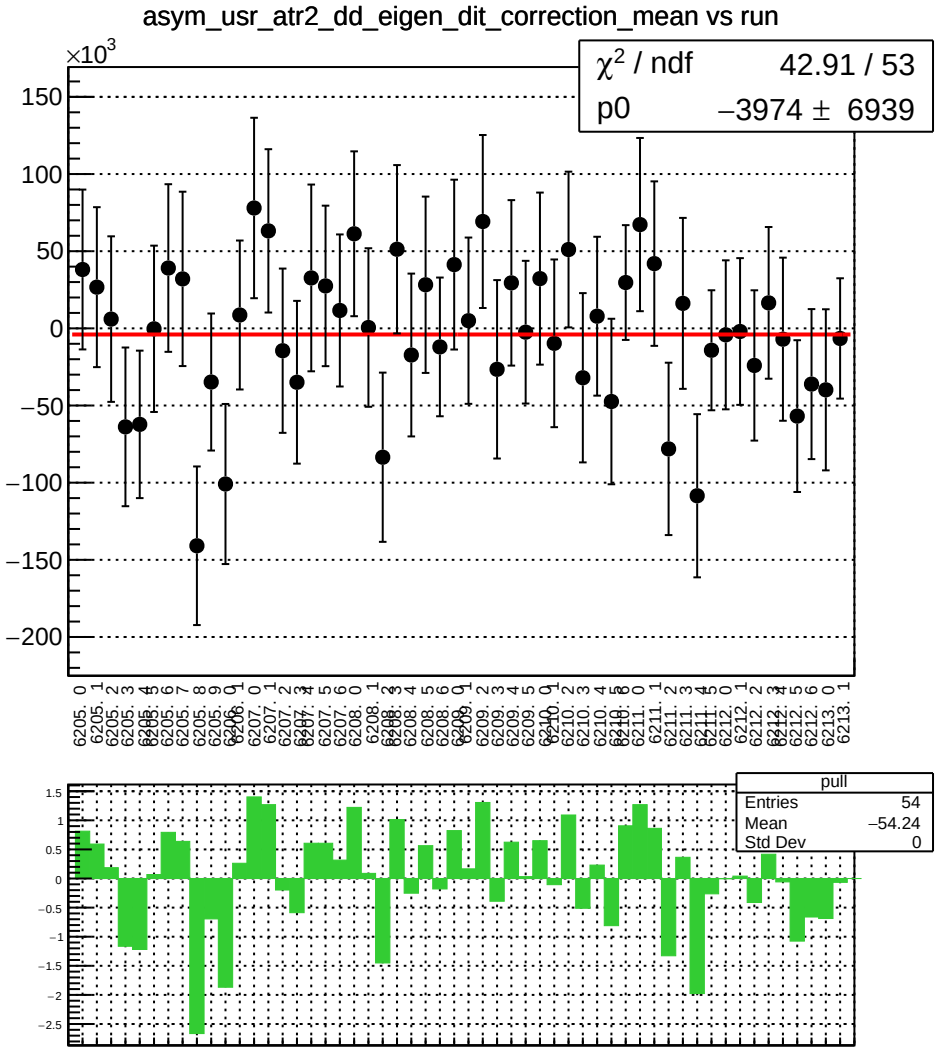

pull1D
Entries 54
Mean 0.01101
Std Dev 0.8914
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

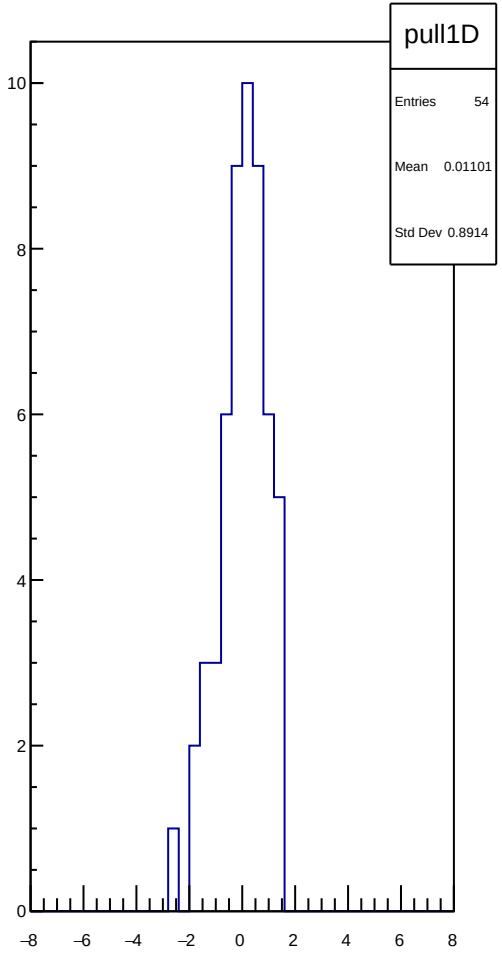

asym_usr_atr2_dd_dit_correction_rms vs run
χ² / ndf 2705 / 53
p0 5044 ± 4.906
5800
5600
5400
5200
5000
4800
4600
4400
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

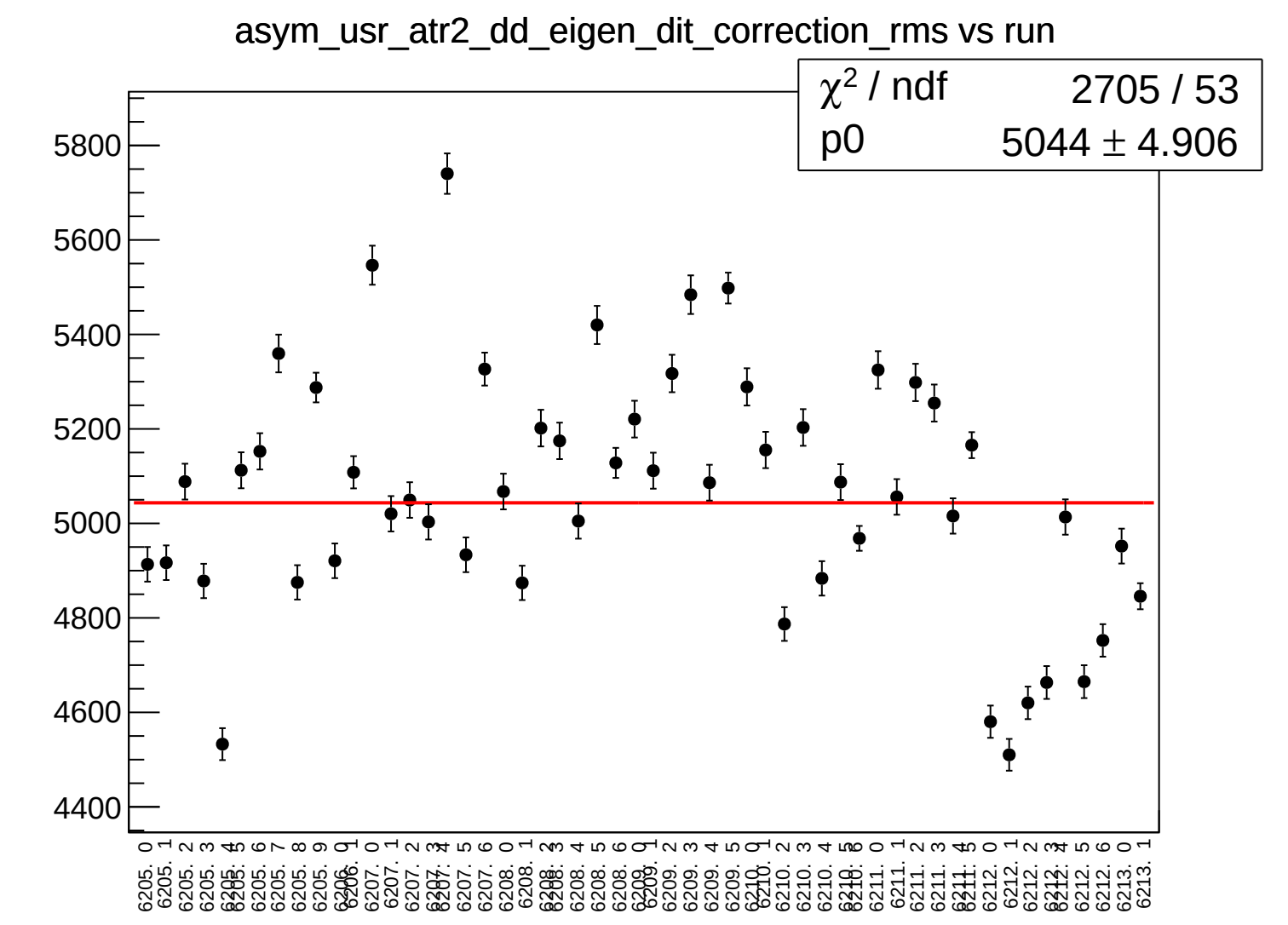

eigen_dit_asym_usr_atr2_dd_mean vs run
χ² / ndf 48.33 / 53
p0 −1681 ± 1679
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 70.69
Std Dev 0
2
1
0
−1
−2
−3

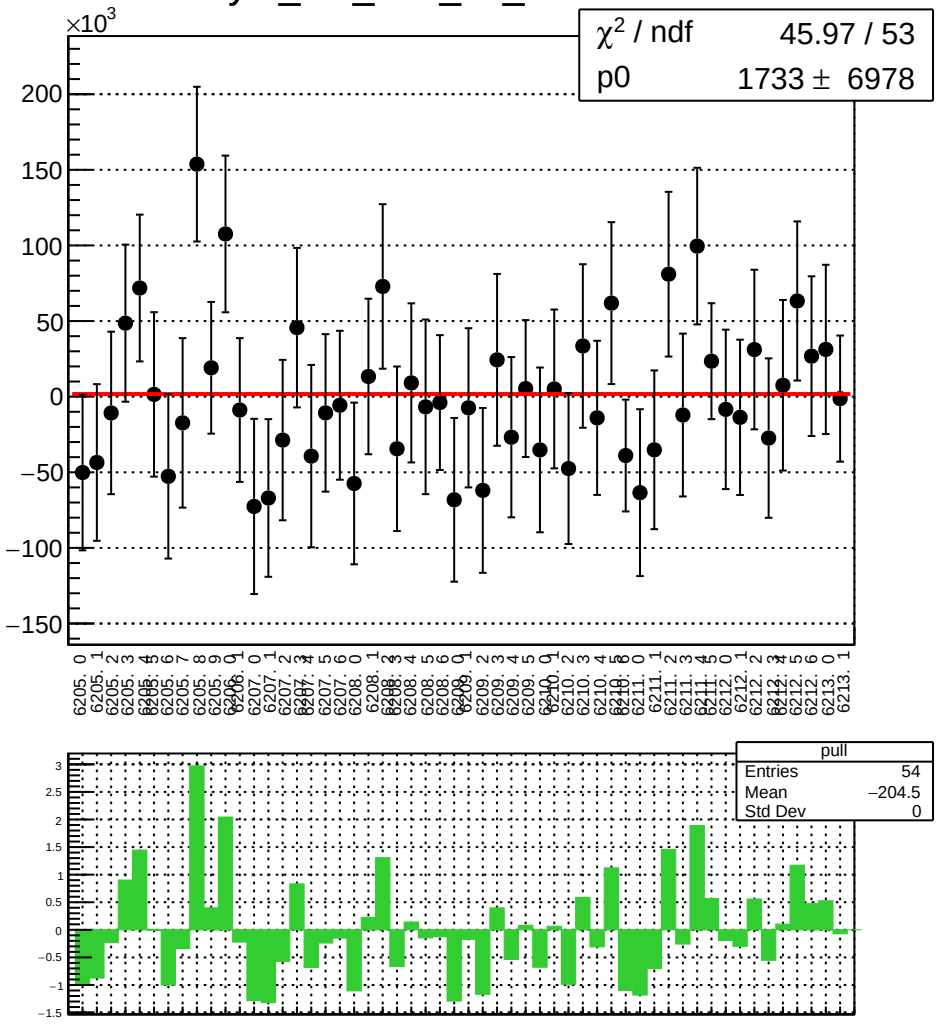

pull1D
Entries 54
Mean 0.007113
Std Dev 0.946
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

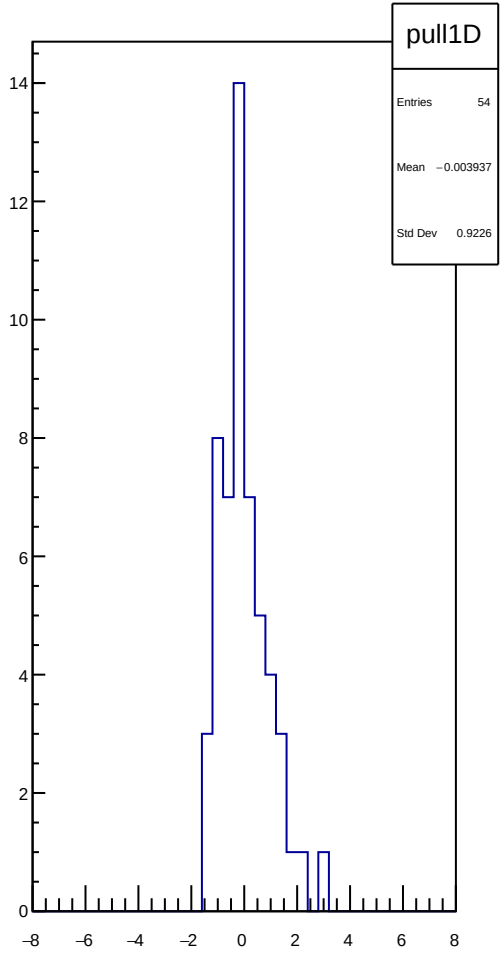

eigen_dit_asym_usr_atr2_dd_rms vs run
χ² / ndf 264.7 / 53
p0 1222 ± 1.187
1320
1300
1280
1260
1240
1220
1200
1180
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

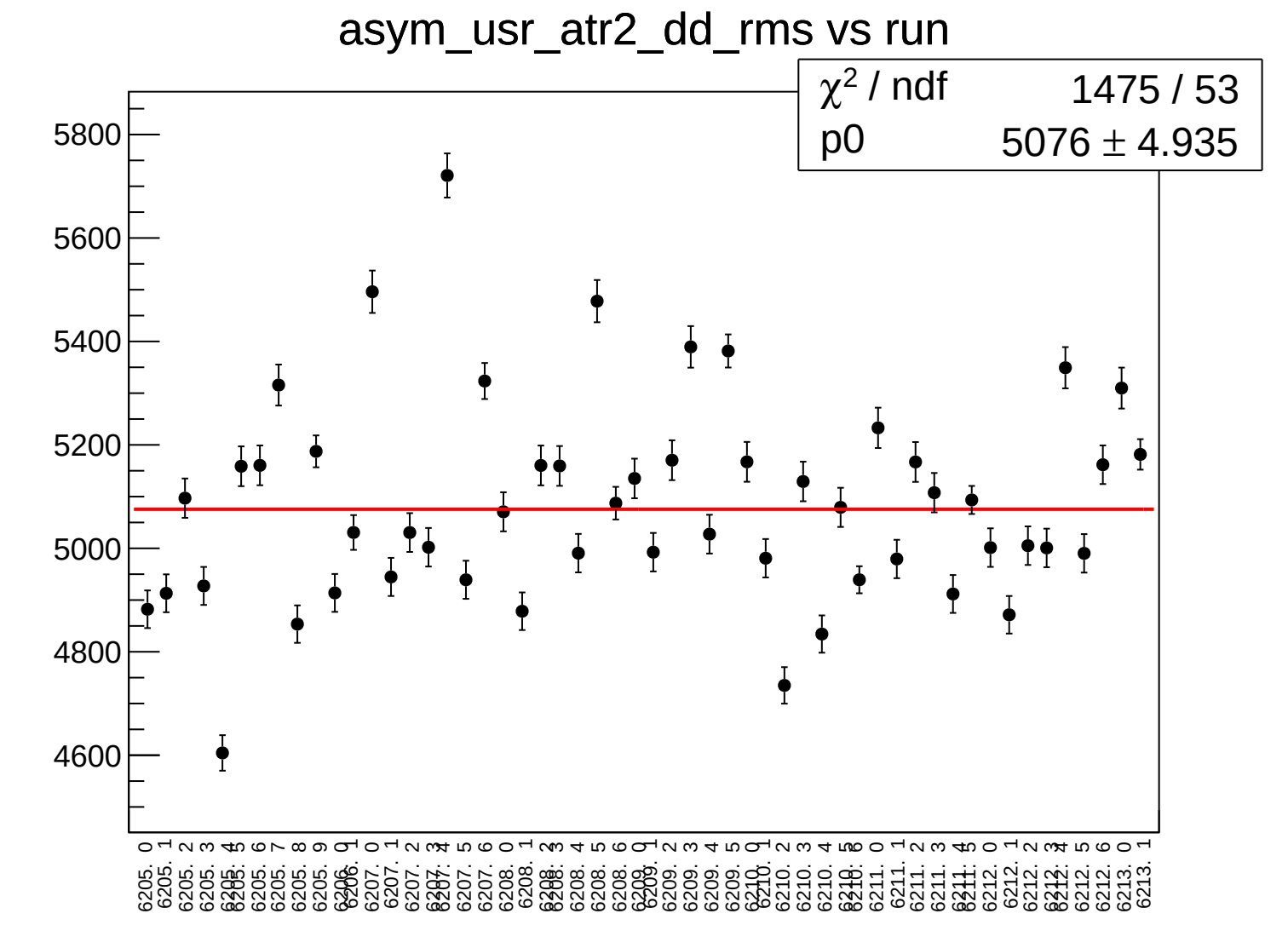

asym_usr_atr2_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 42.91 / 53
p0 −3974 ± 6939
pull
Entries 54
Mean −54.24
Std Dev 0

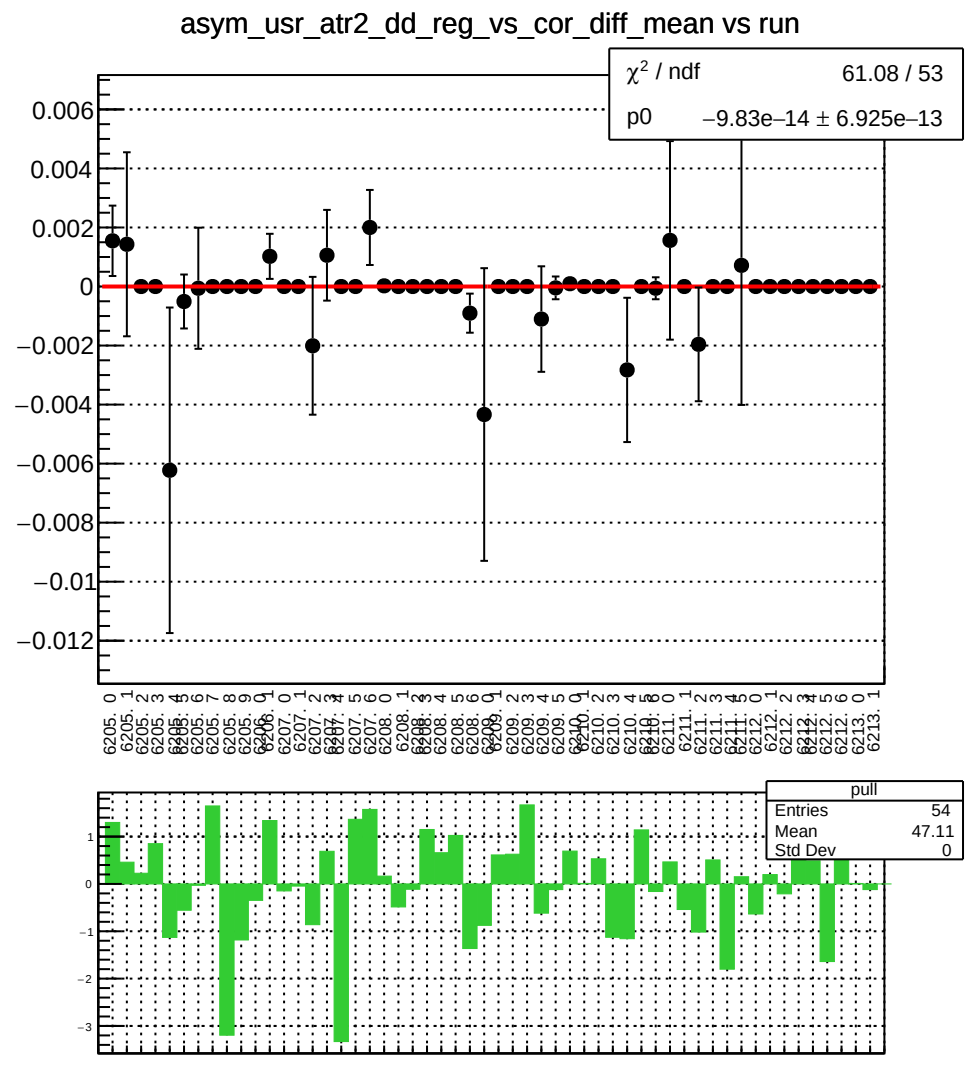

pull1D
Entries 54
Mean 0.01101
Std Dev 0.8914

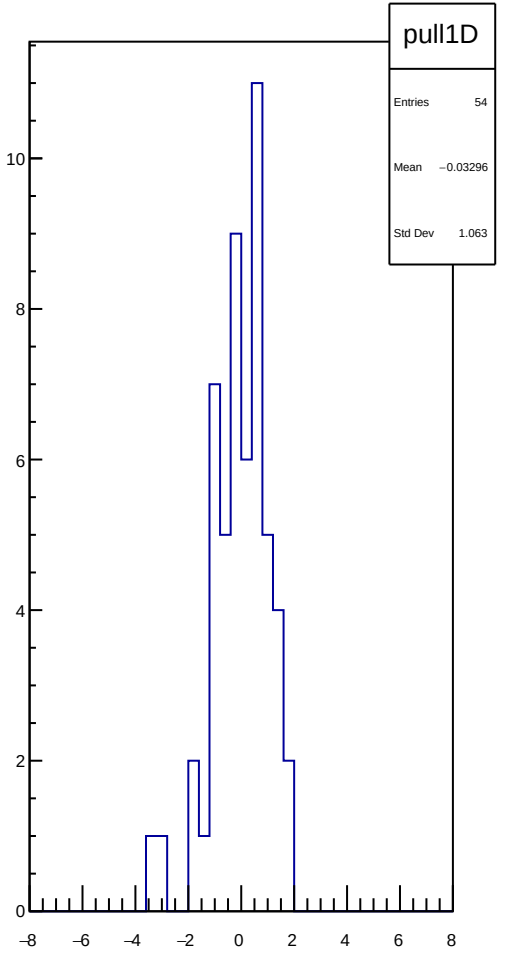

asym_usr_atr2_dd_eigen_dit_correction_rms vs run
χ² / ndf 2705 / 53
p0 5044 ± 4.906
5800
5600
5400
5200
5000
4800
4600
4400
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

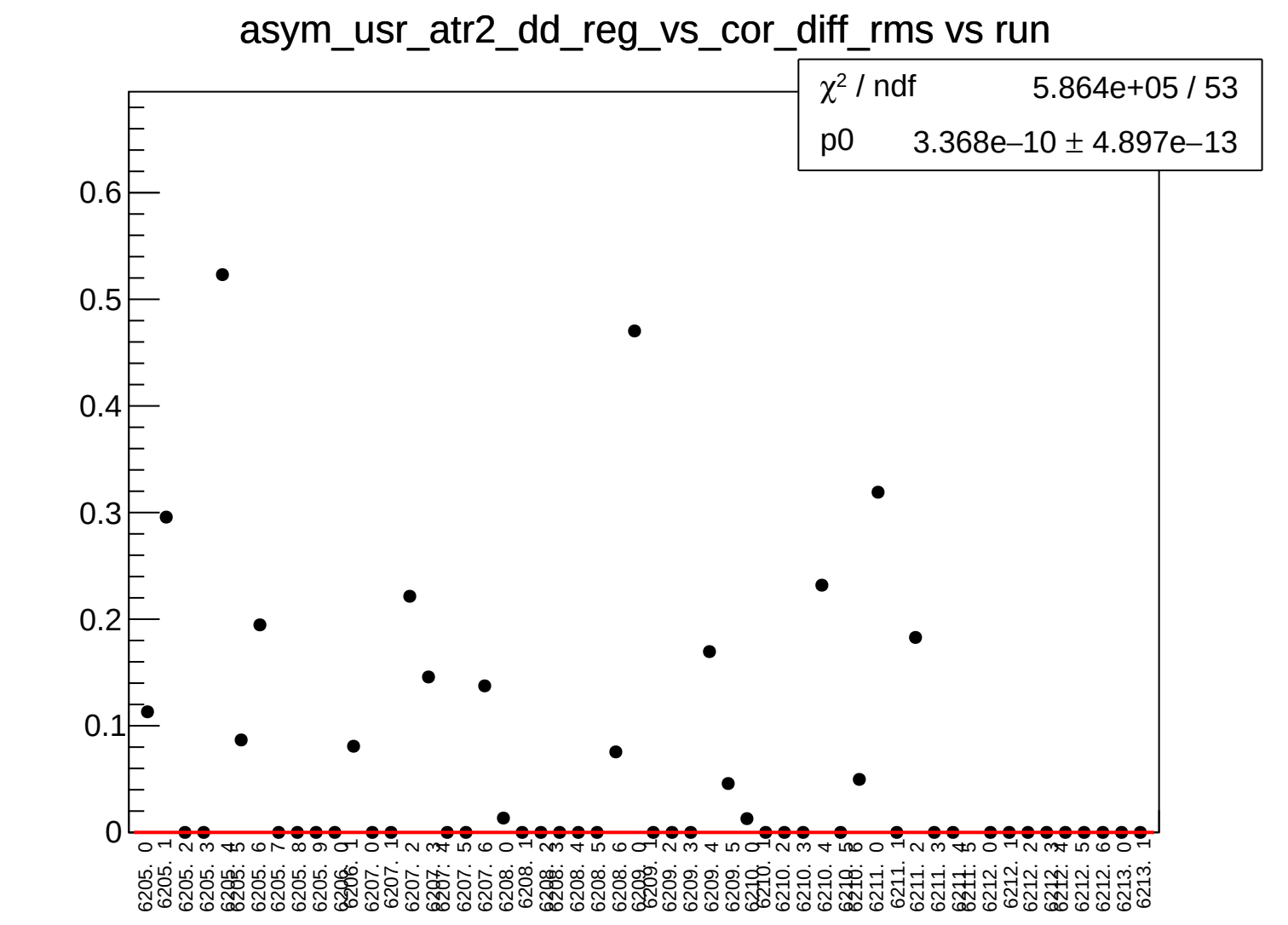

asym_usr_atr2_dd_mean vs run
×10^3
χ² / ndf 45.97 / 53
p0 1733 ± 6978
200
150
100
50
0
−50
−100
−150
pull
Entries 54
Mean −204.5
Std Dev 0
3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

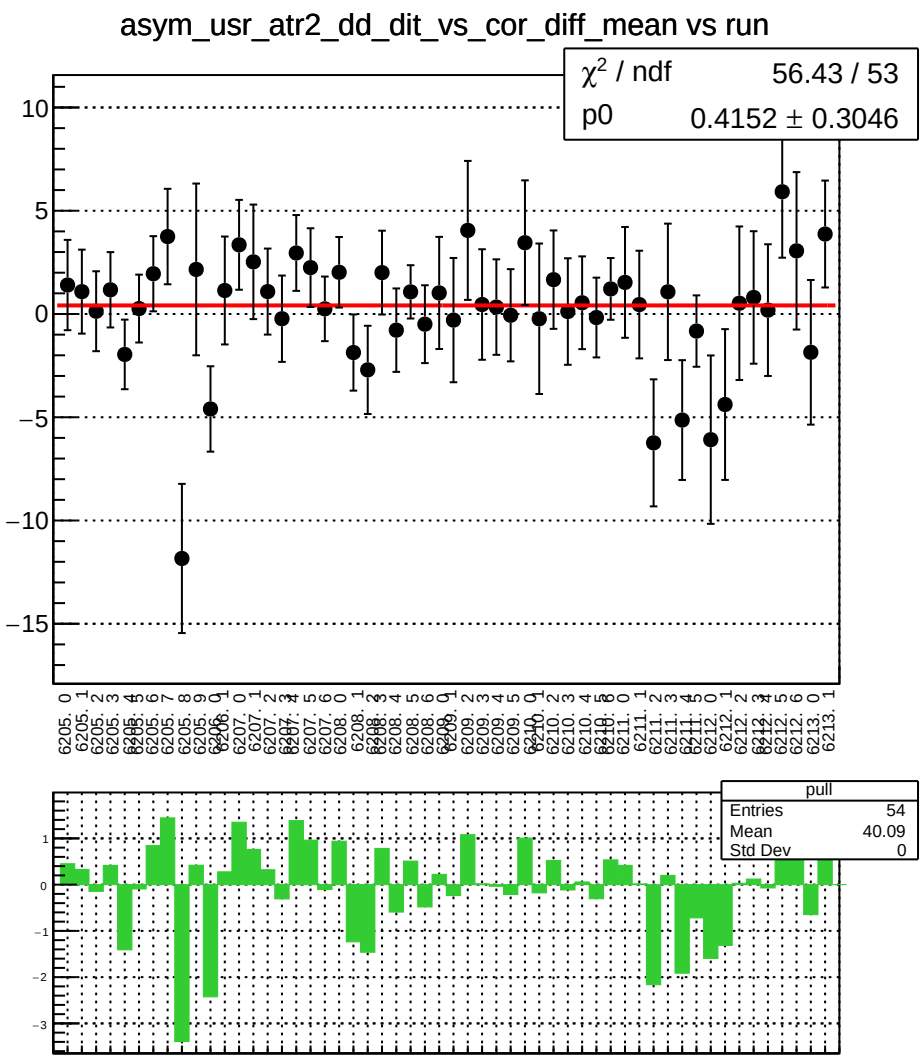

pull1D
Entries 54
Mean −0.003937
Std Dev 0.9226
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

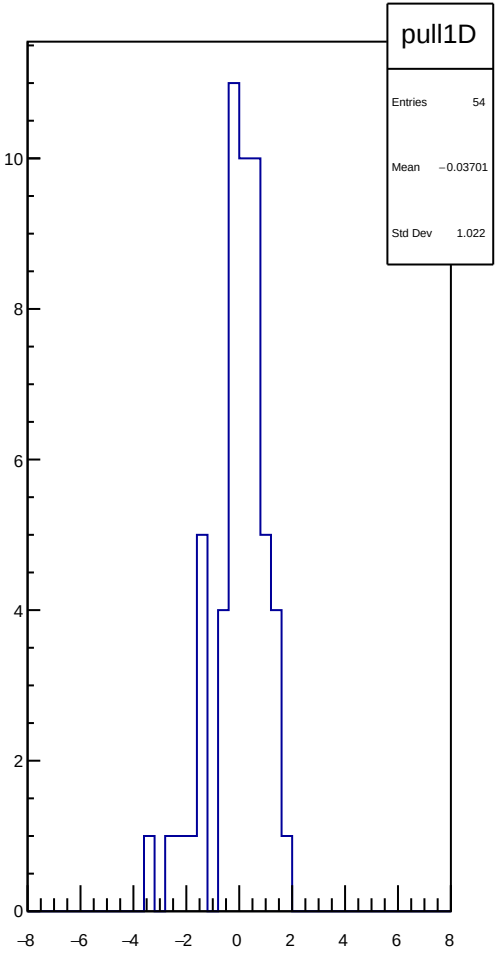

asym_usr_atr2_dd_rms vs run
χ² / ndf 1475 / 53
p0 5076 ± 4.935
5800
5600
5400
5200
5000
4800
4600
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

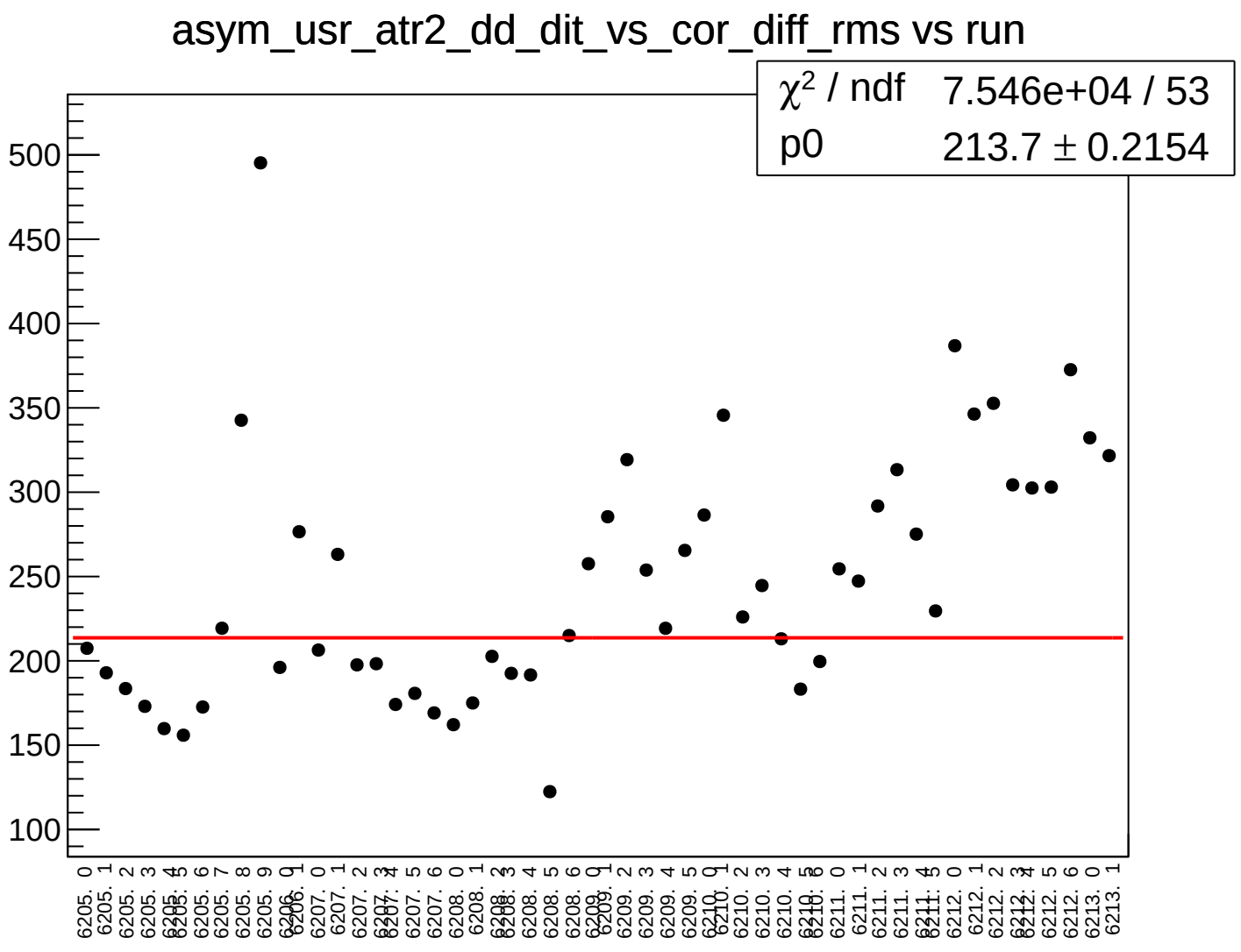

asym_usr_atr2_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 61.08 / 53
p0 −9.83e−14 ± 6.925e−13
0.006
0.004
0.002
0
−0.002
−0.004
−0.006
−0.008
−0.01
−0.012
pull
Entries 54
Mean 47.11
Std Dev 0

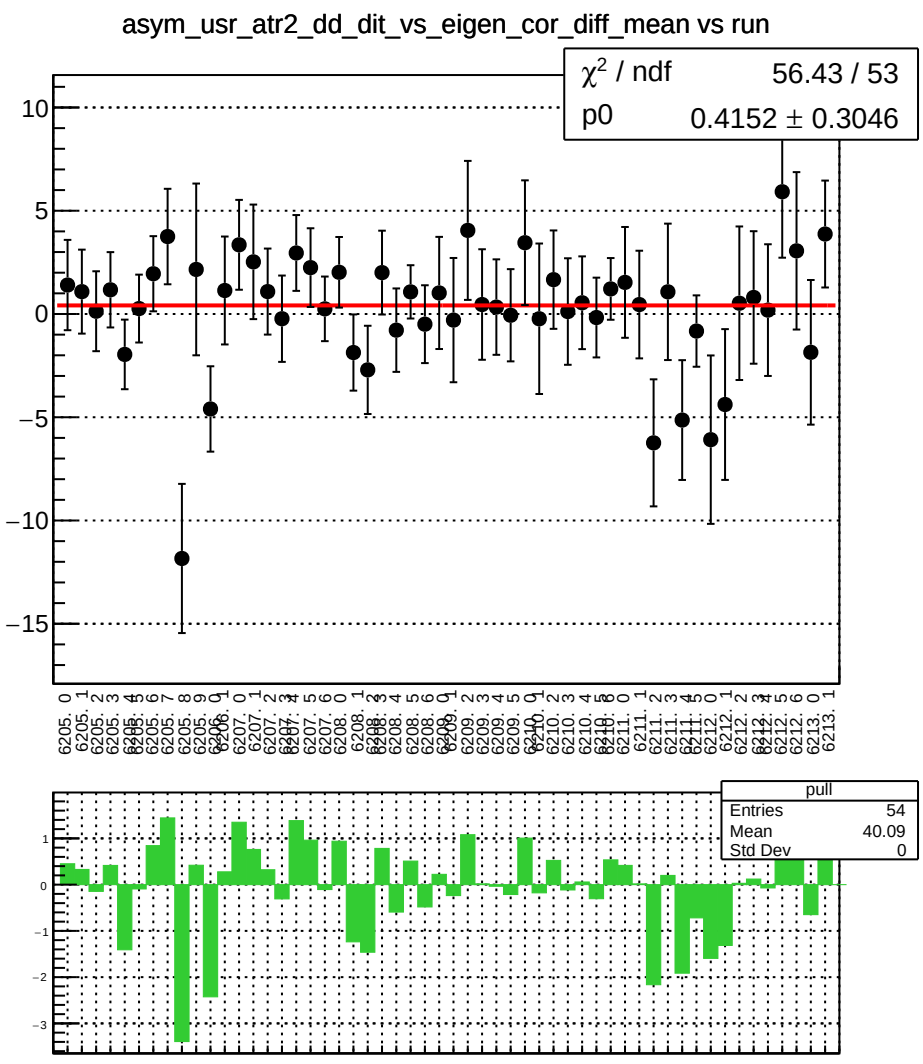

pull1D
Entries 54
Mean −0.03296
Std Dev 1.063
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

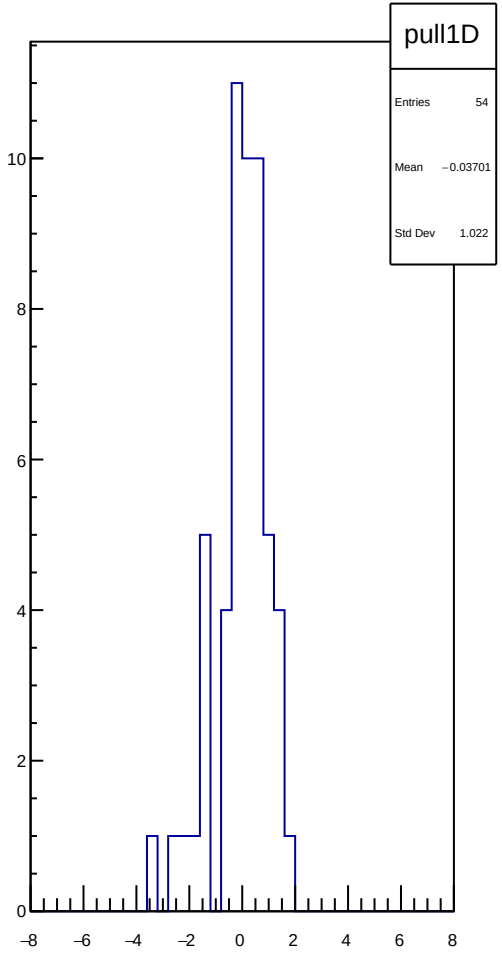

asym_usr_atr2_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.864e+05 / 53
p0 3.368e−10 ± 4.897e−13
0.6
0.5
0.4
0.3
0.2
0.1
0
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

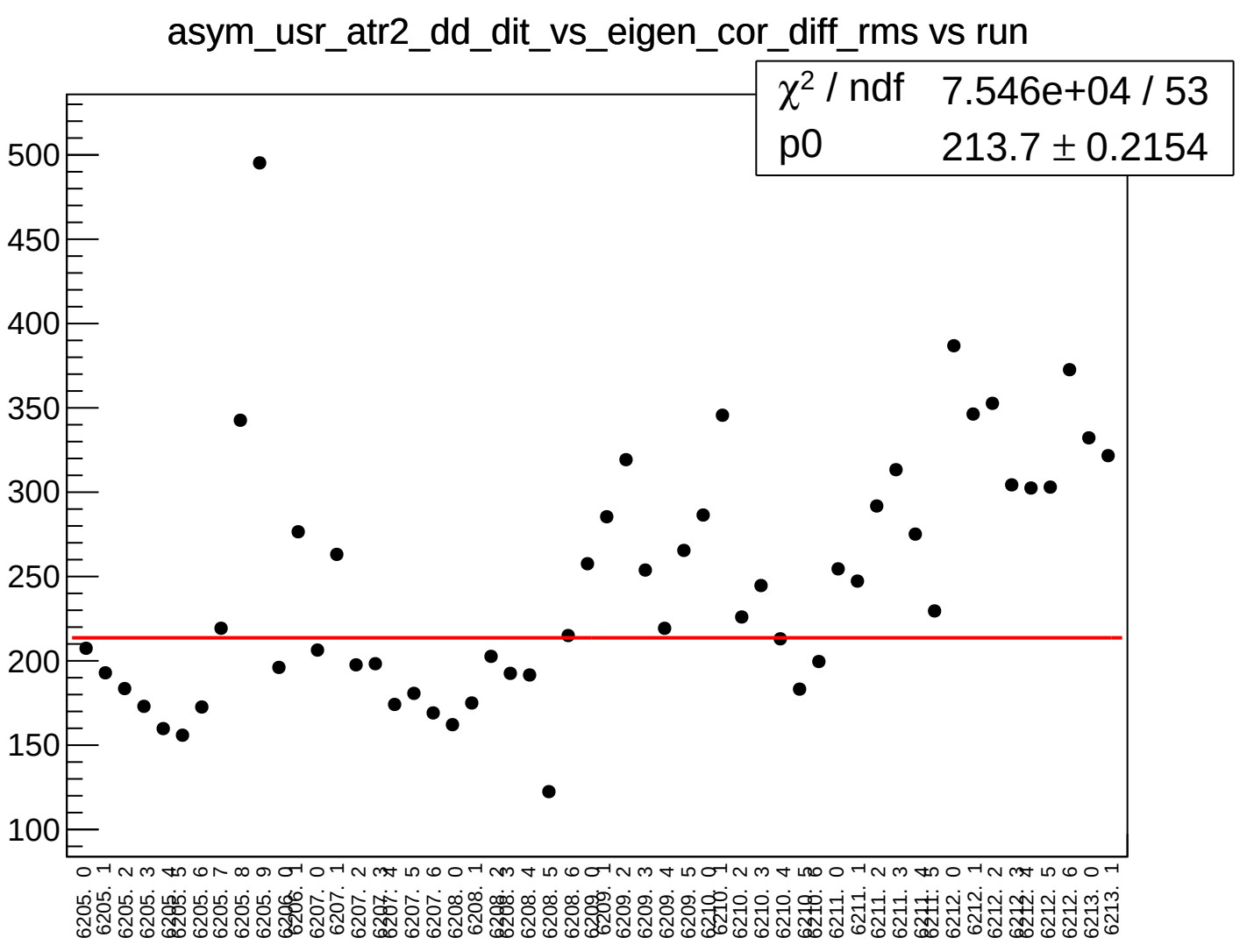

asym_usr_atr2_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 56.43 / 53
p0 0.4152 ± 0.3046
pull
Entries 54
Mean 40.09
Std Dev 0

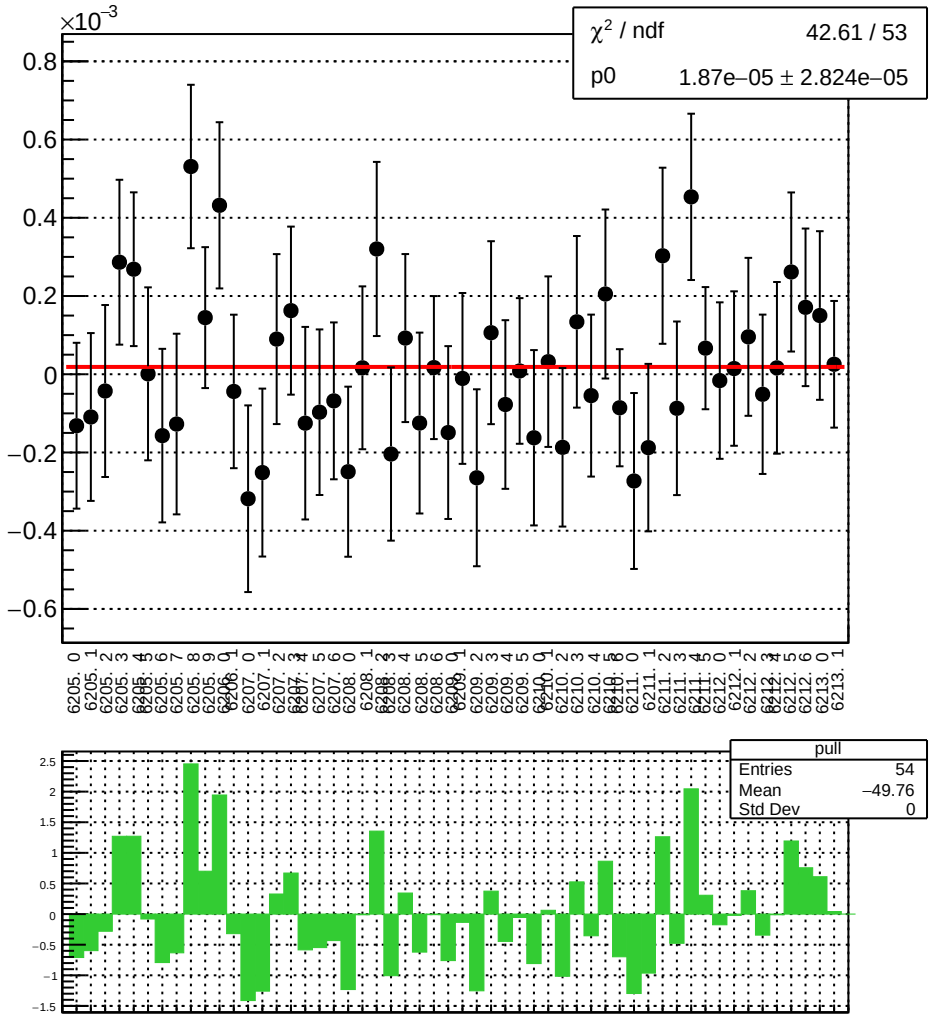

pull1D
Entries 54
Mean −0.03701
Std Dev 1.022

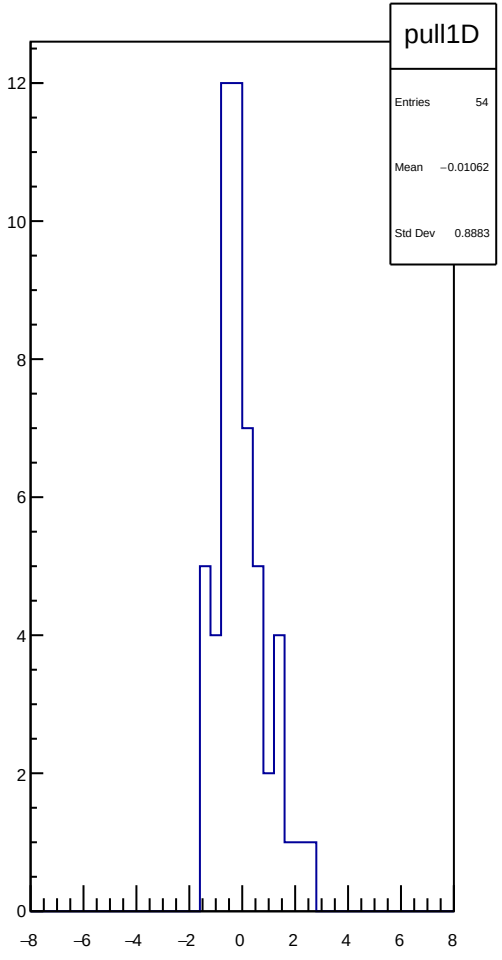

asym_usr_atr2_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 7.546e+04 / 53
p0 213.7 ± 0.2154
500
450
400
350
300
250
200
150
100
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

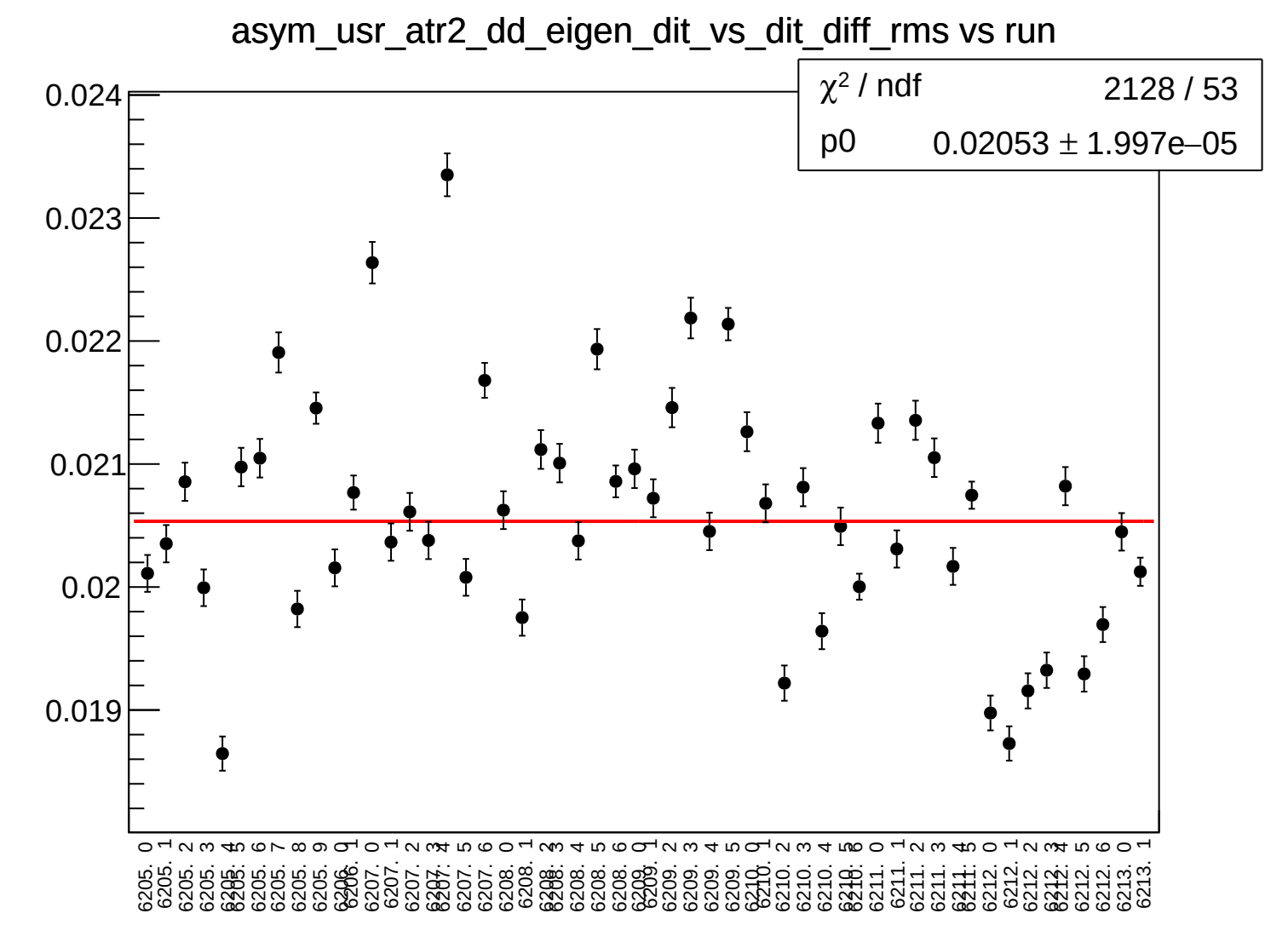

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 56.43 / 53
p0 0.4152 ± 0.3046
pull
Entries 54
Mean 40.09
Std Dev 0

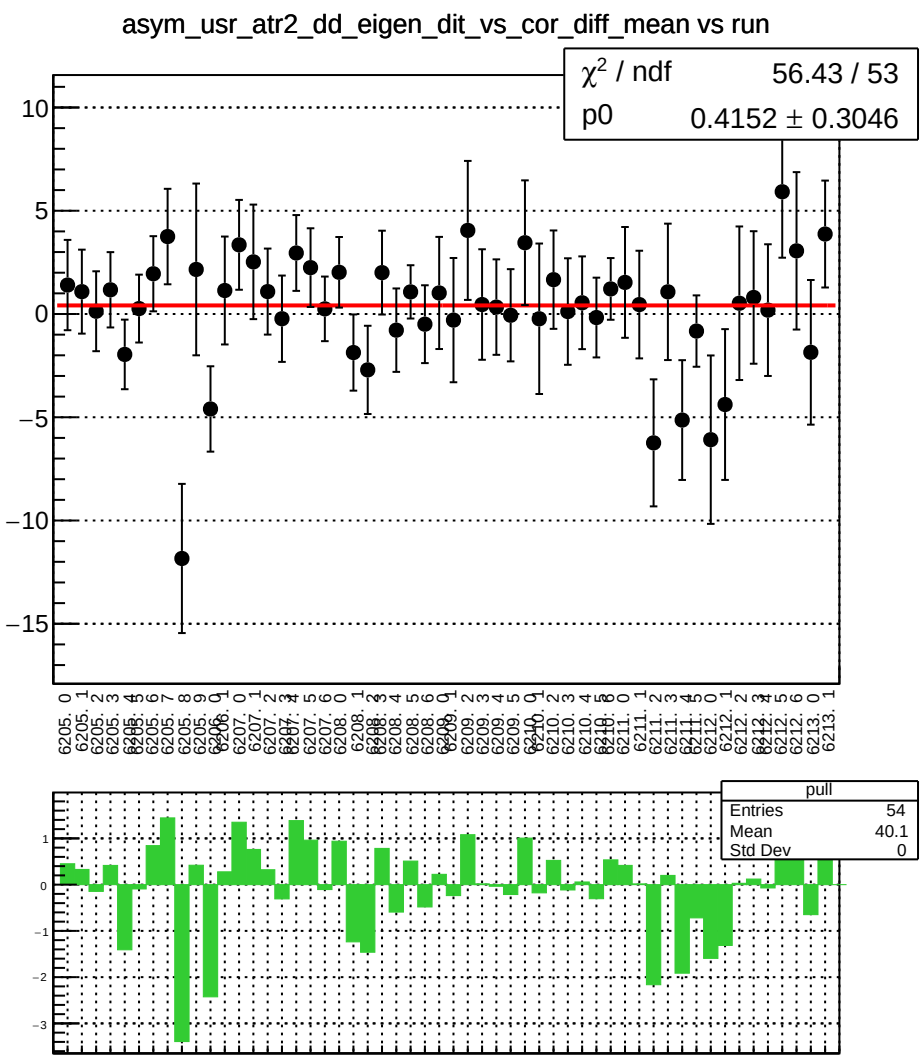

pull1D
Entries 54
Mean −0.03701
Std Dev 1.022

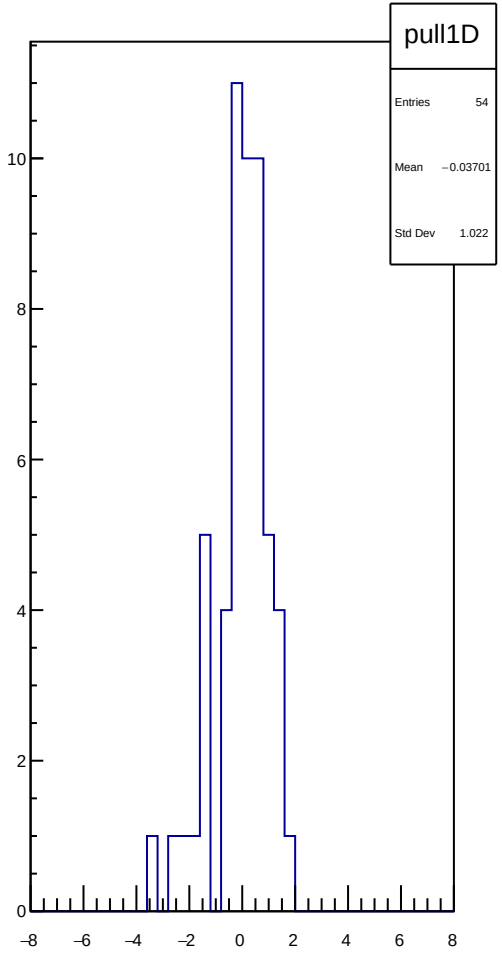

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.546e+04 / 53
p0 213.7 ± 0.2154
500
450
400
350
300
250
200
150
100
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

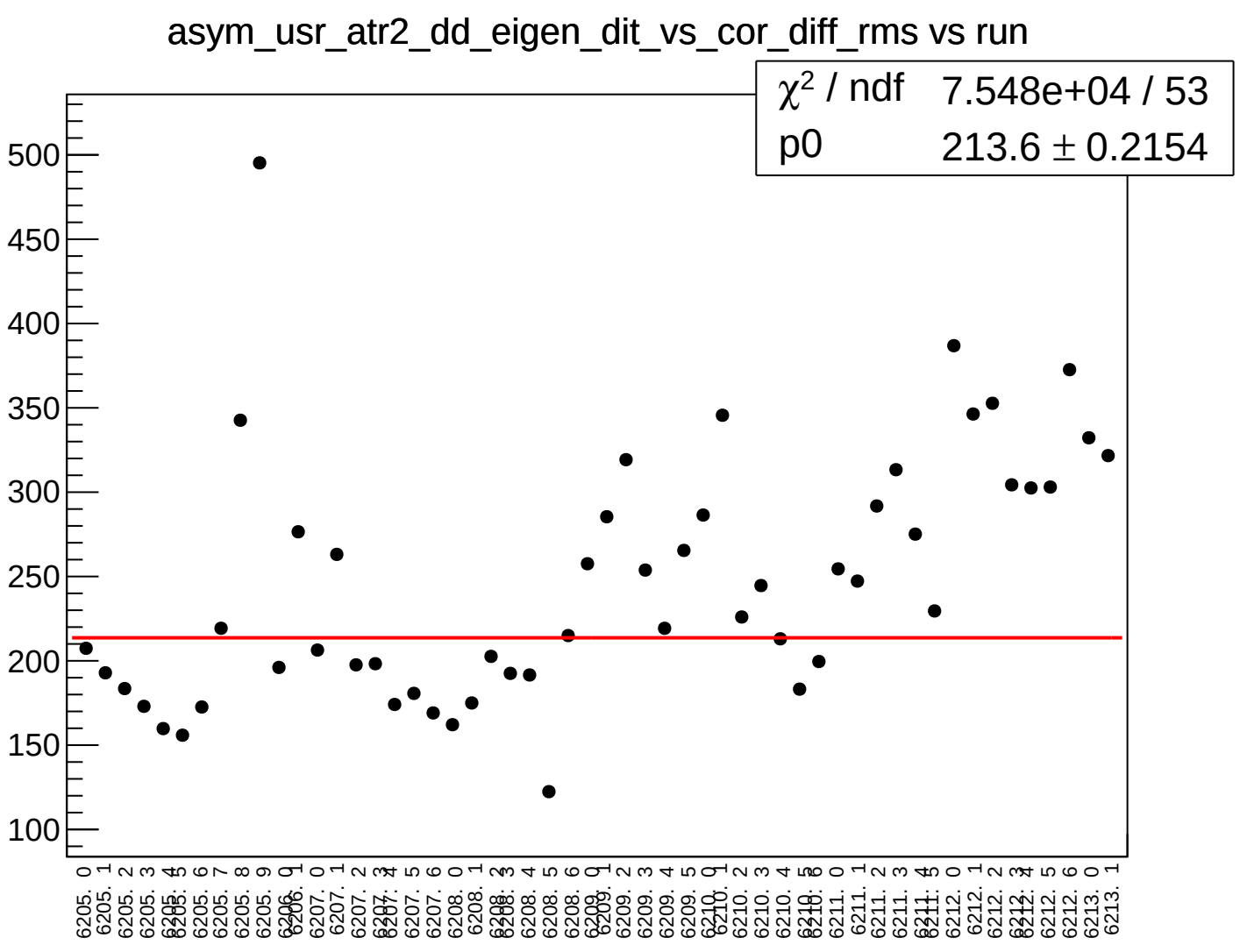

asym_usr_atr2_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 42.61 / 53
p0 1.87e−05 ± 2.824e−05
pull
Entries 54
Mean −49.76
Std Dev 0

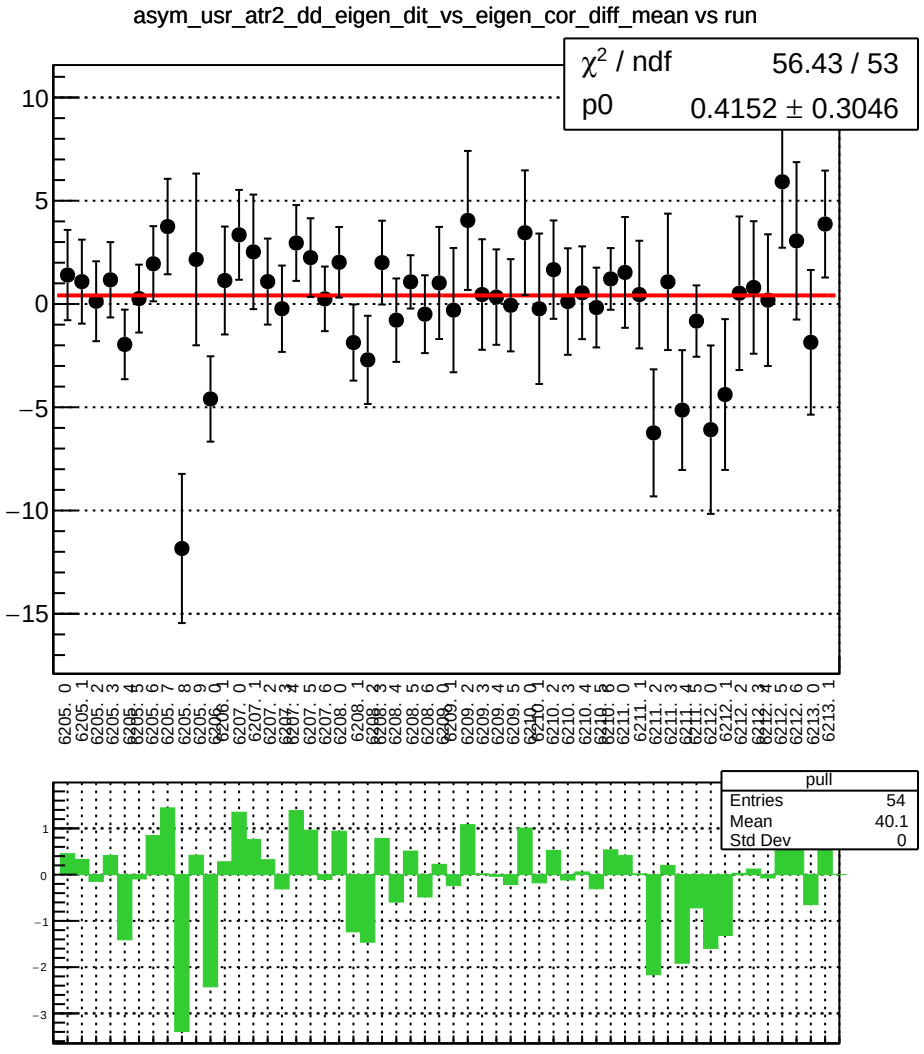

pull1D
Entries 54
Mean −0.01062
Std Dev 0.8883

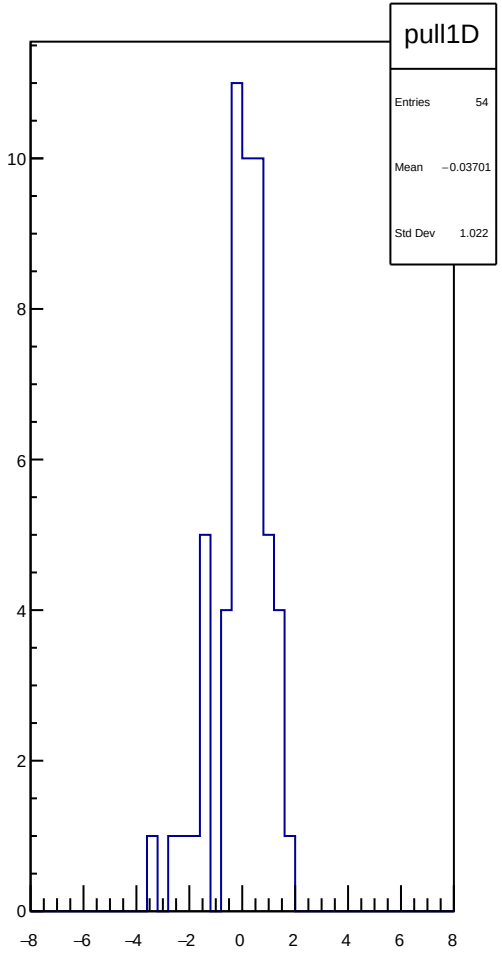

asym_usr_atr2_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2128 / 53
p0 0.02053 ± 1.997e–05
0.024
0.023
0.022
0.021
0.02
0.019
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

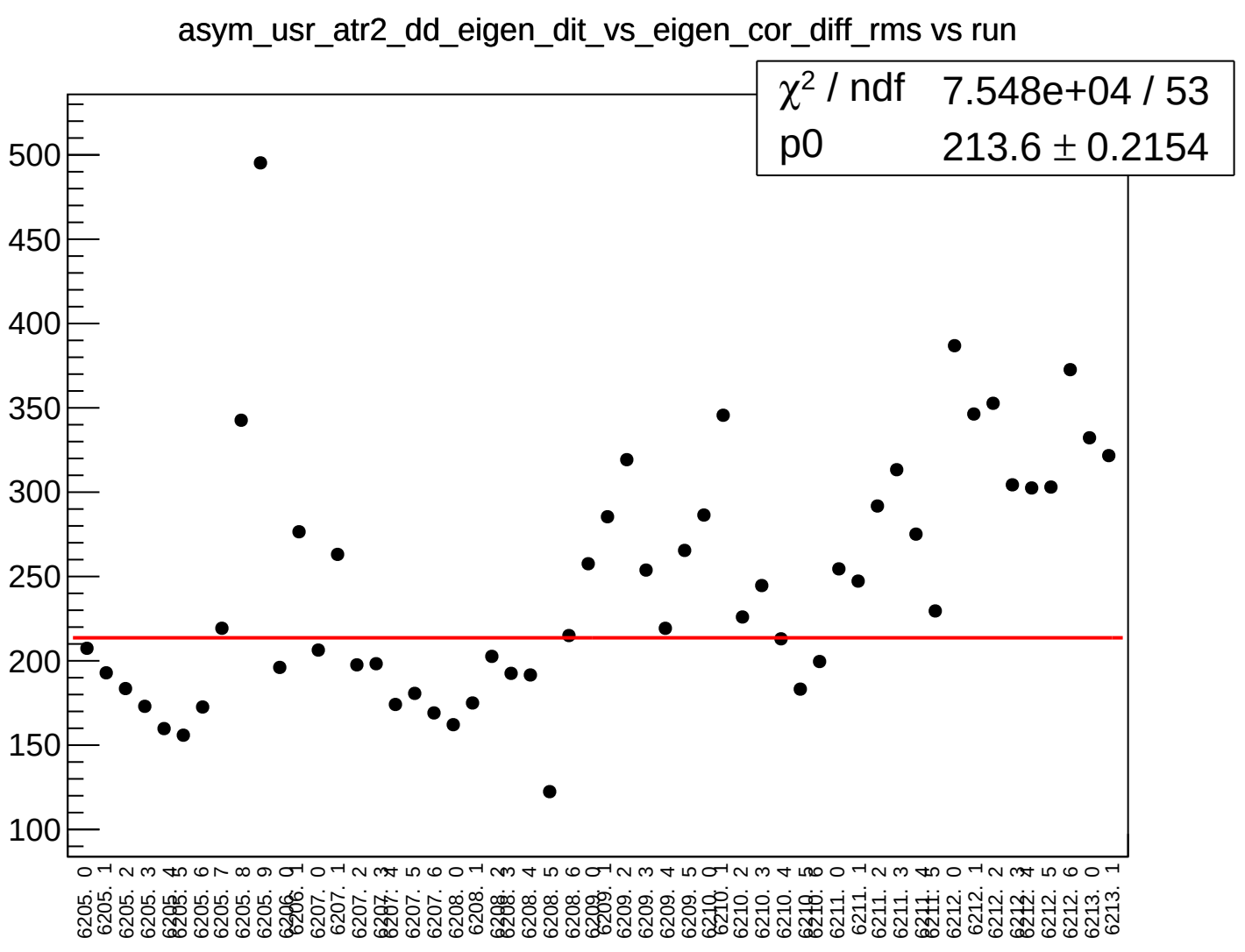

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 56.43 / 53
p0 0.4152 ± 0.3046
pull
Entries 54
Mean 40.1
Std Dev 0

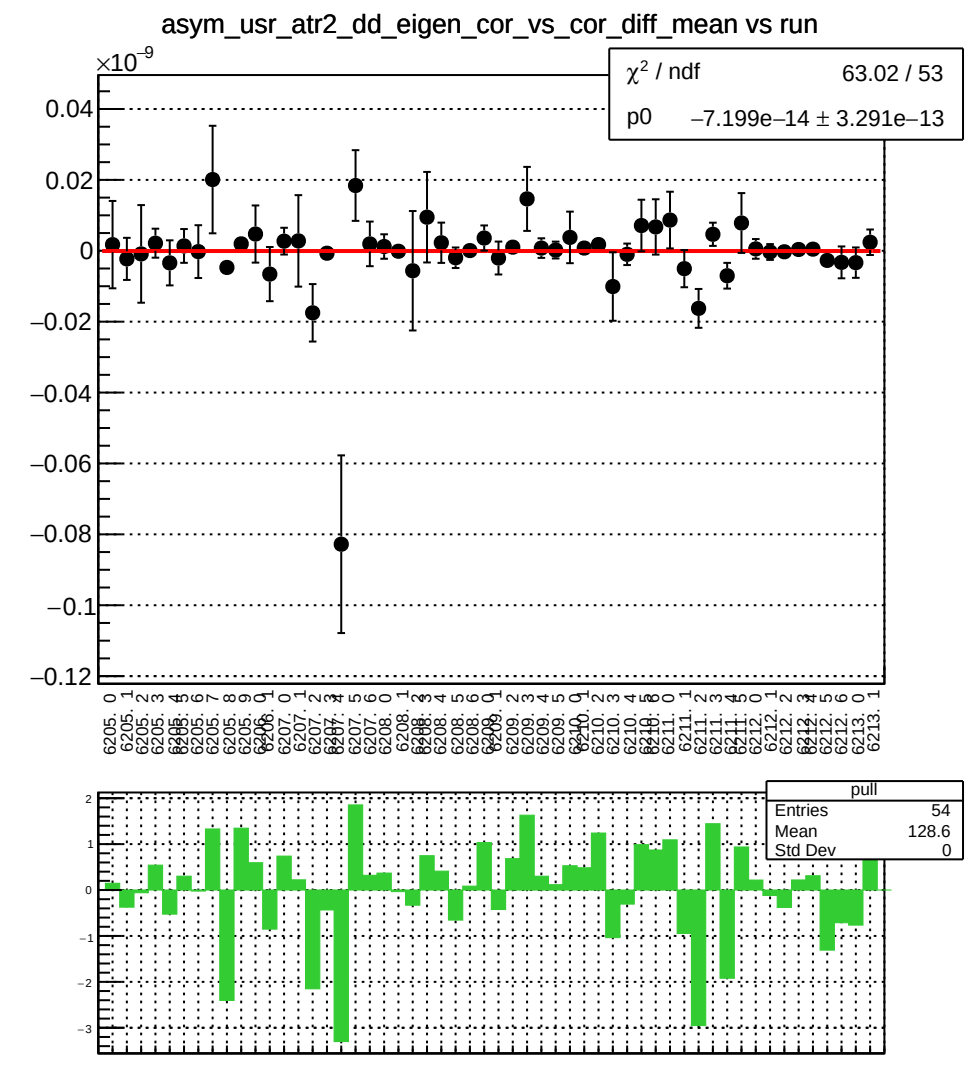

pull1D
Entries 54
Mean −0.03701
Std Dev 1.022

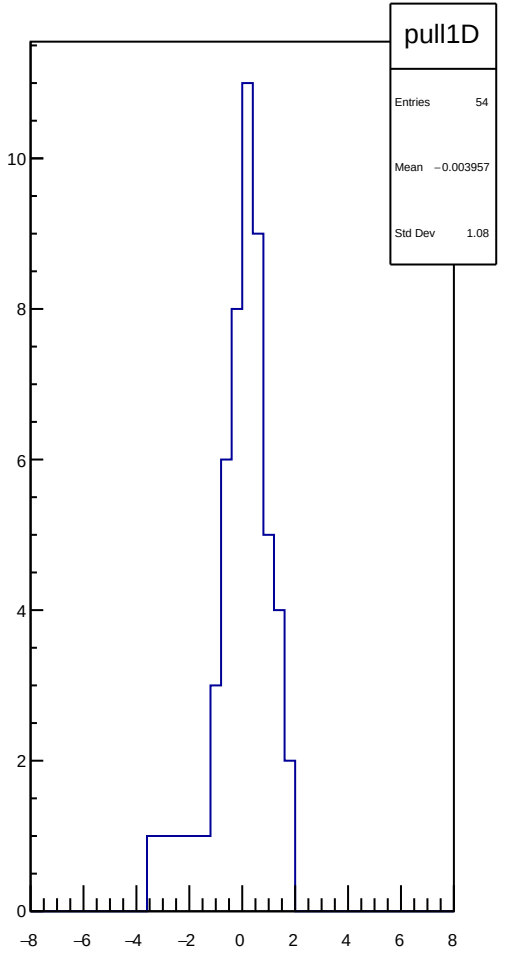

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 7.548e+04 / 53
p0 213.6 ± 0.2154
500
450
400
350
300
250
200
150
100
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

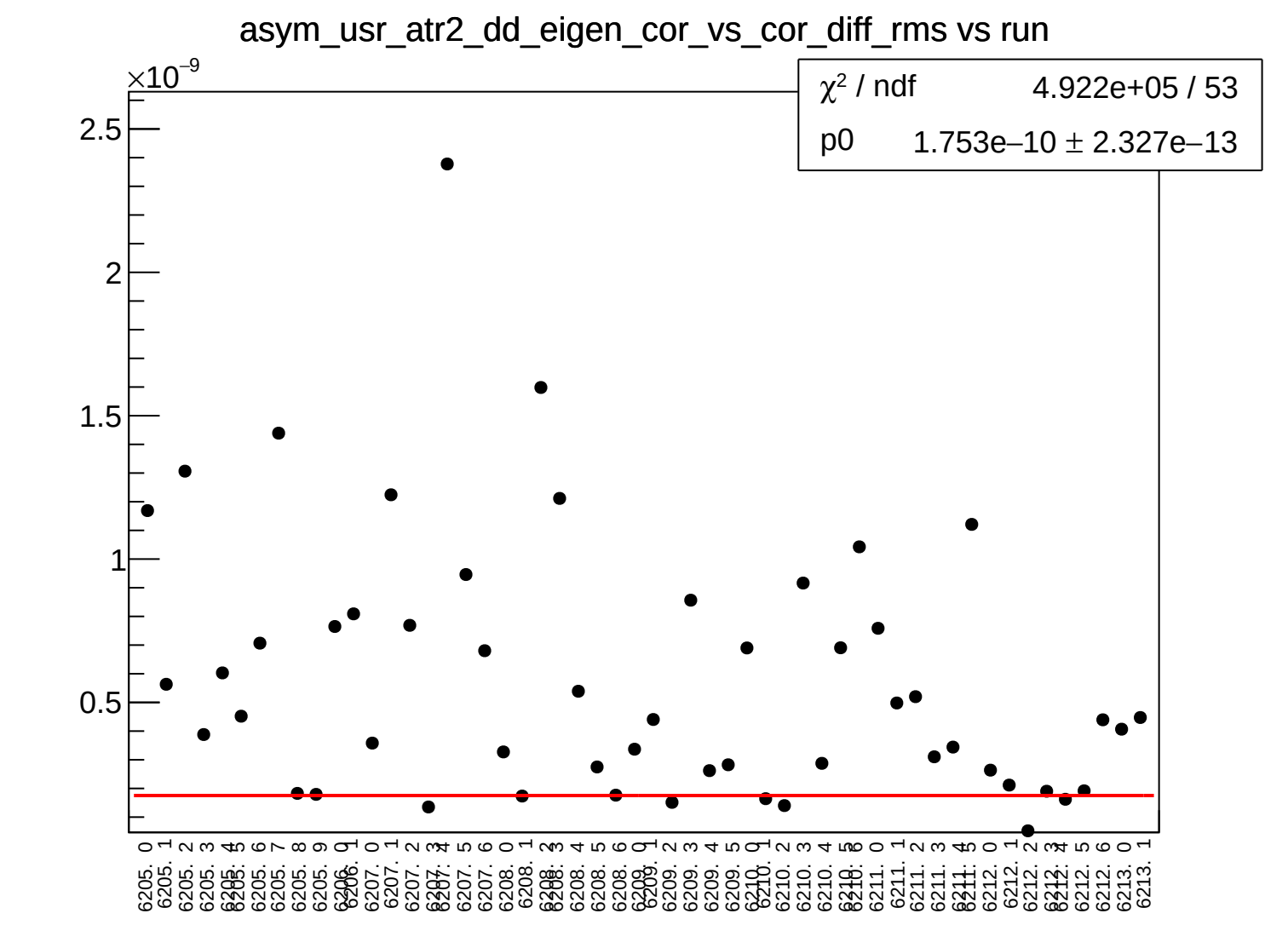

asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 56.43 / 53
p0 0.4152 ± 0.3046
pull
Entries 54
Mean 40.1
Std Dev 0

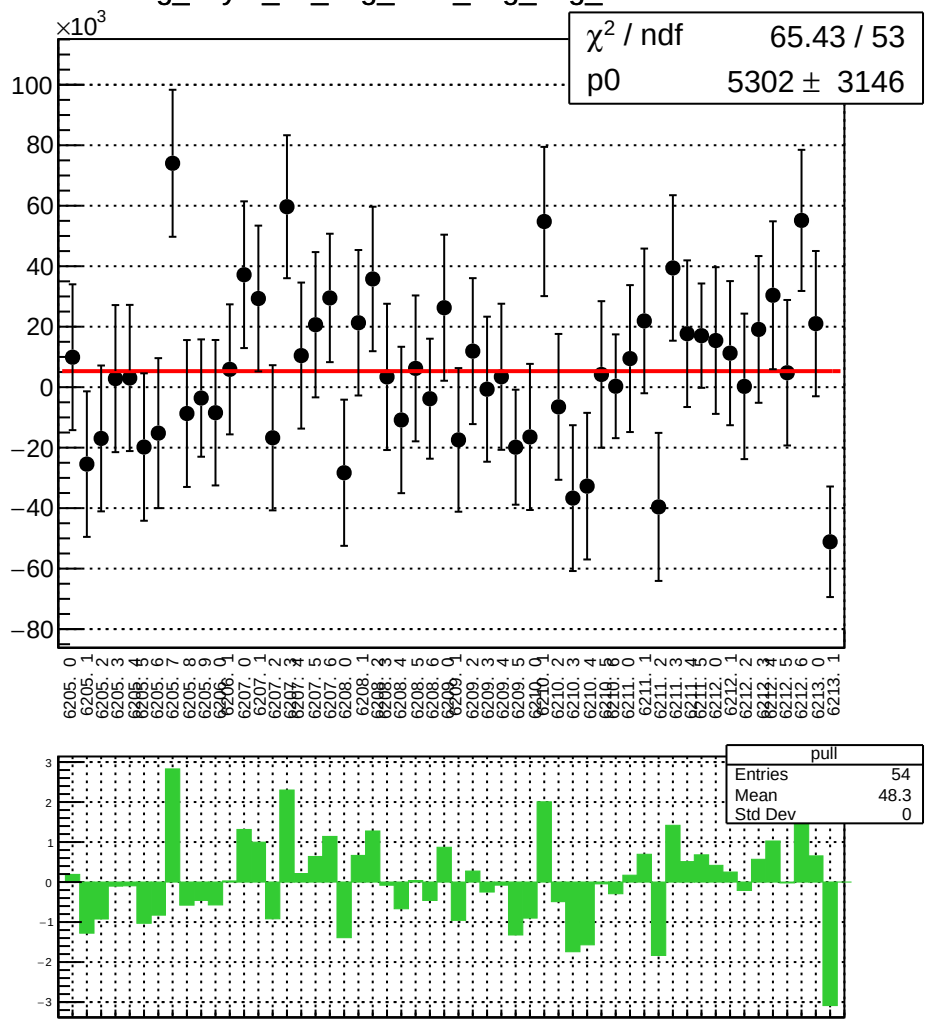

pull1D
Entries 54
Mean −0.03701
Std Dev 1.022

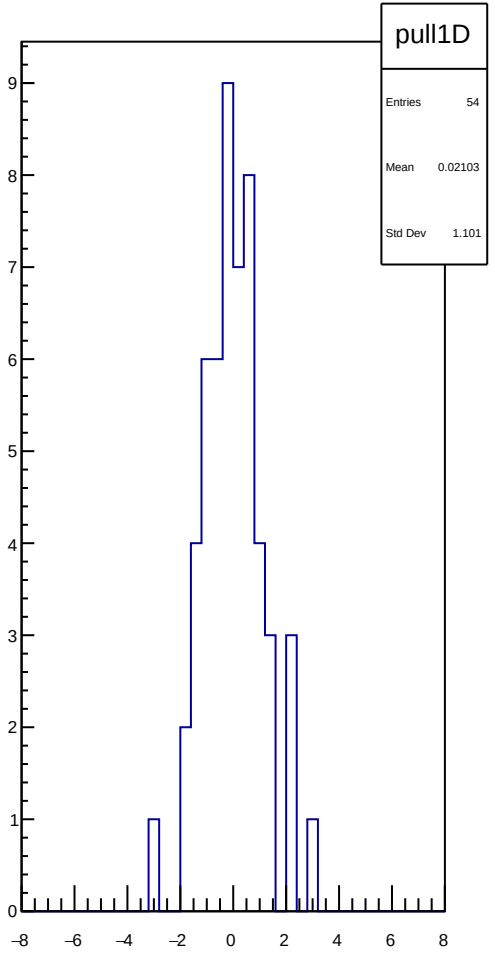

asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.548e+04 / 53
p0 213.6 ± 0.2154
500
450
400
350
300
250
200
150
100
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

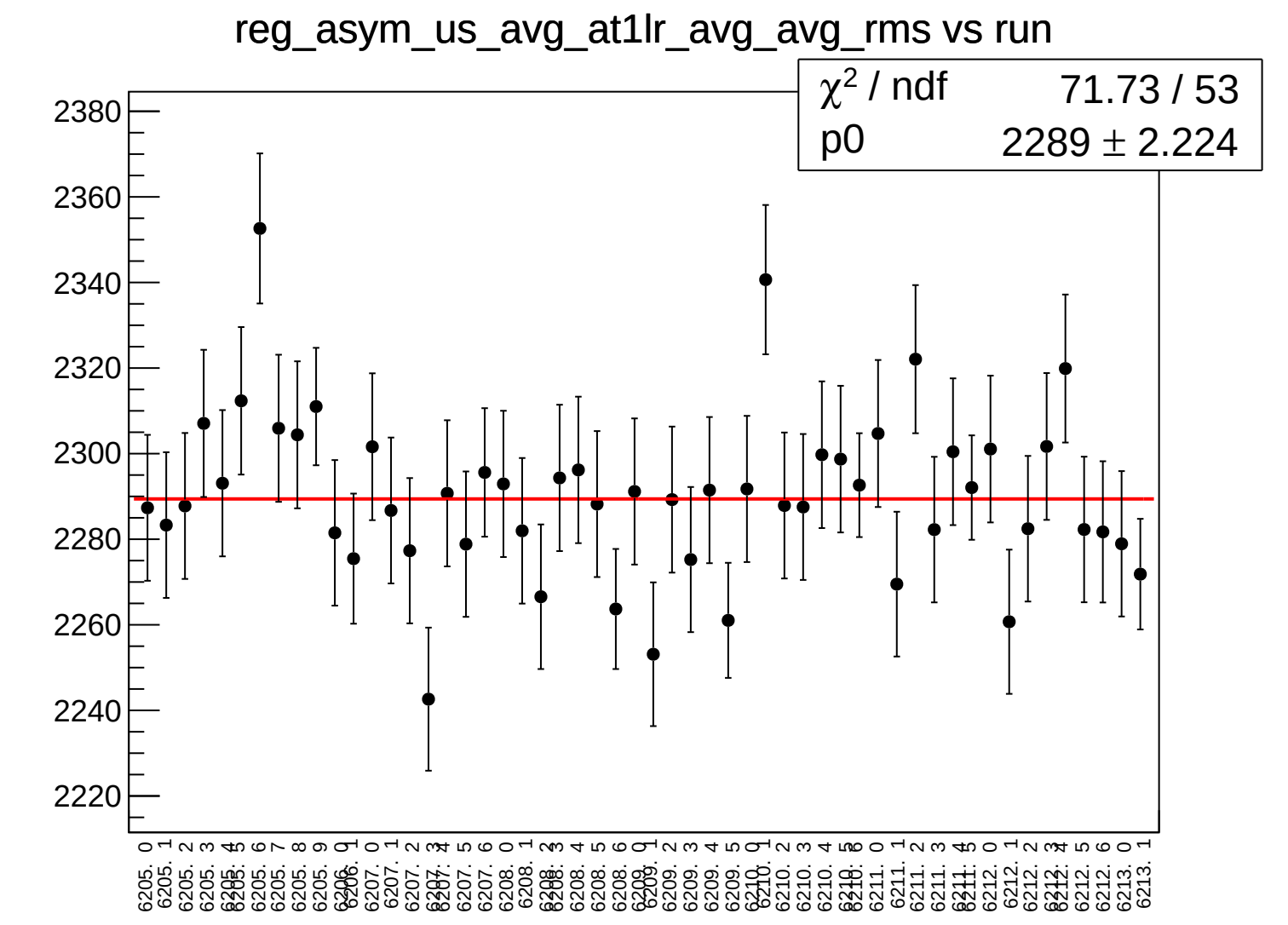

asym_usr_atr2_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻⁹
χ² / ndf 63.02 / 53
p0 −7.199e−14 ± 3.291e−13
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
pull
Entries 54
Mean 128.6
Std Dev 0
2
1
0
−1
−2
−3

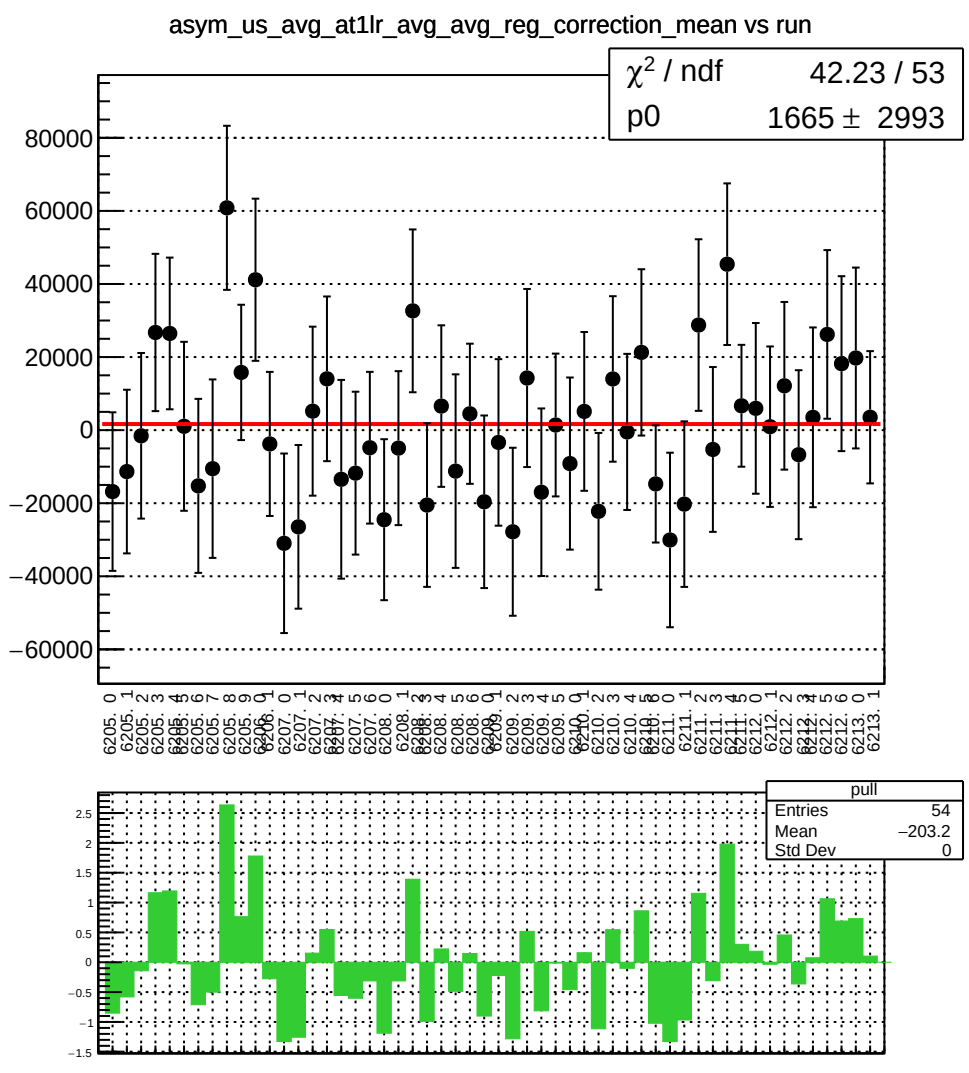

pull1D
Entries 54
Mean −0.003957
Std Dev 1.08
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

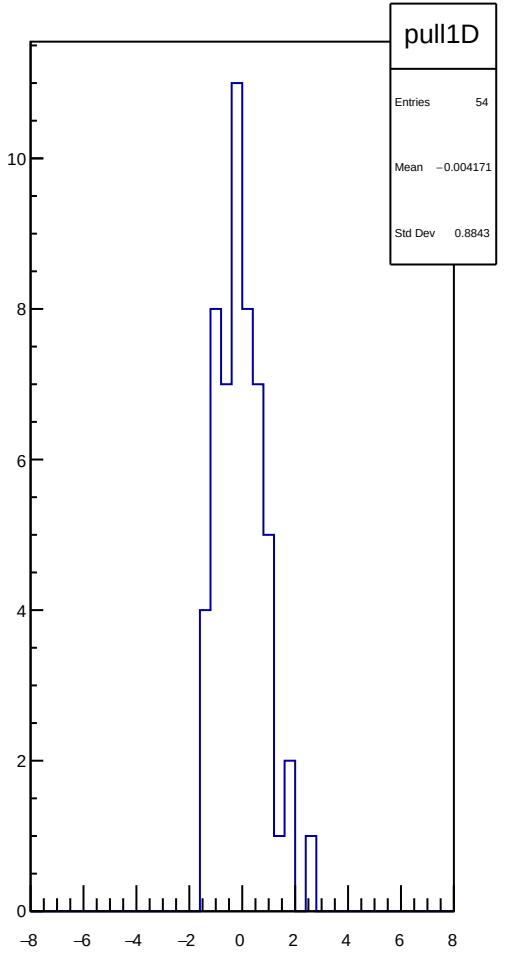

asym_usr_atr2_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.922e+05 / 53
p0 1.753e−10 ± 2.327e−13
2.5
2
1.5
1
0.5
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

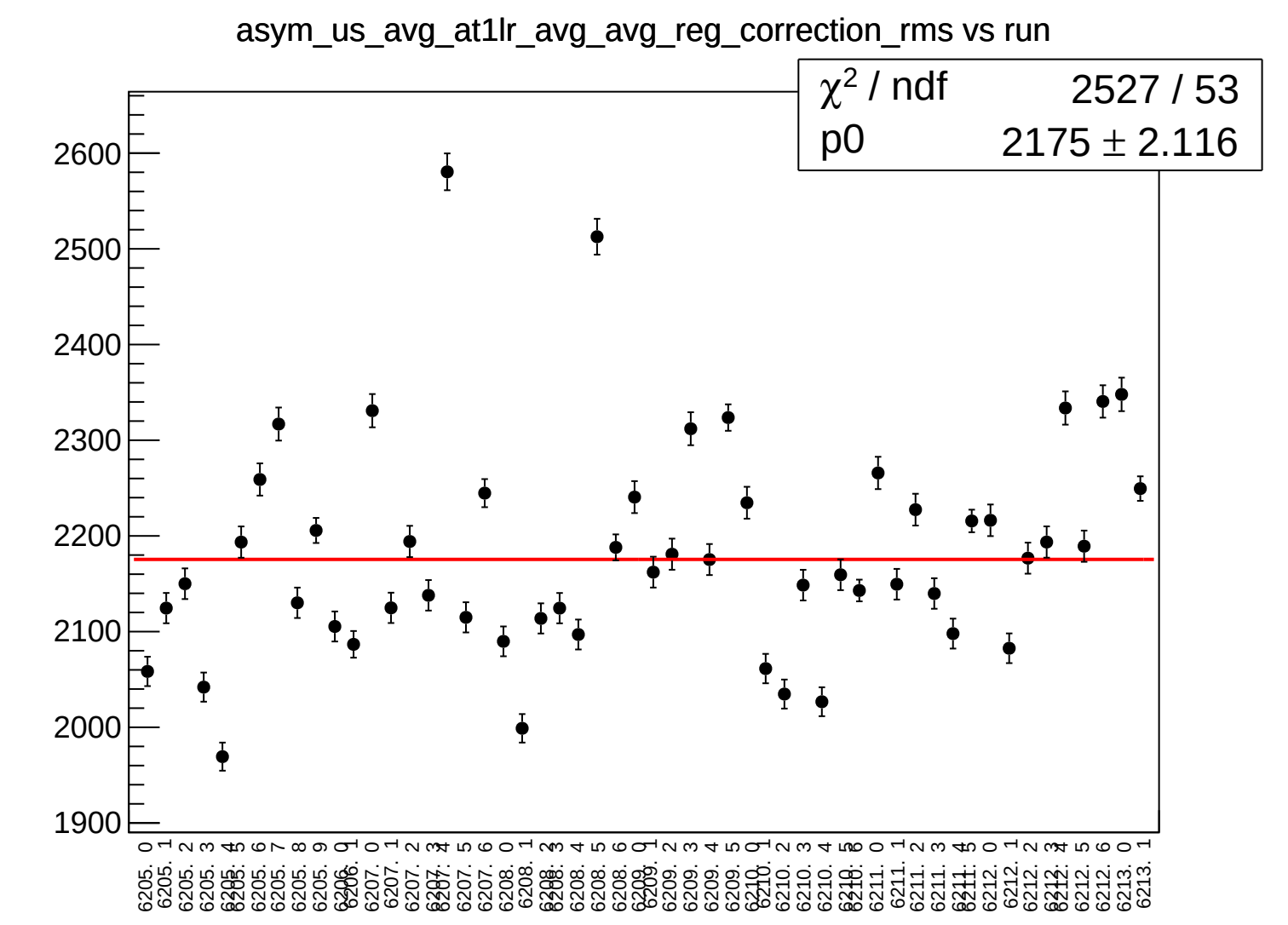

reg_asym_us_avg_at1lr_avg_avg_mean vs run
×10^3
χ² / ndf 65.43 / 53
p0 5302 ± 3146
pull
Entries 54
Mean 48.3
Std Dev 0

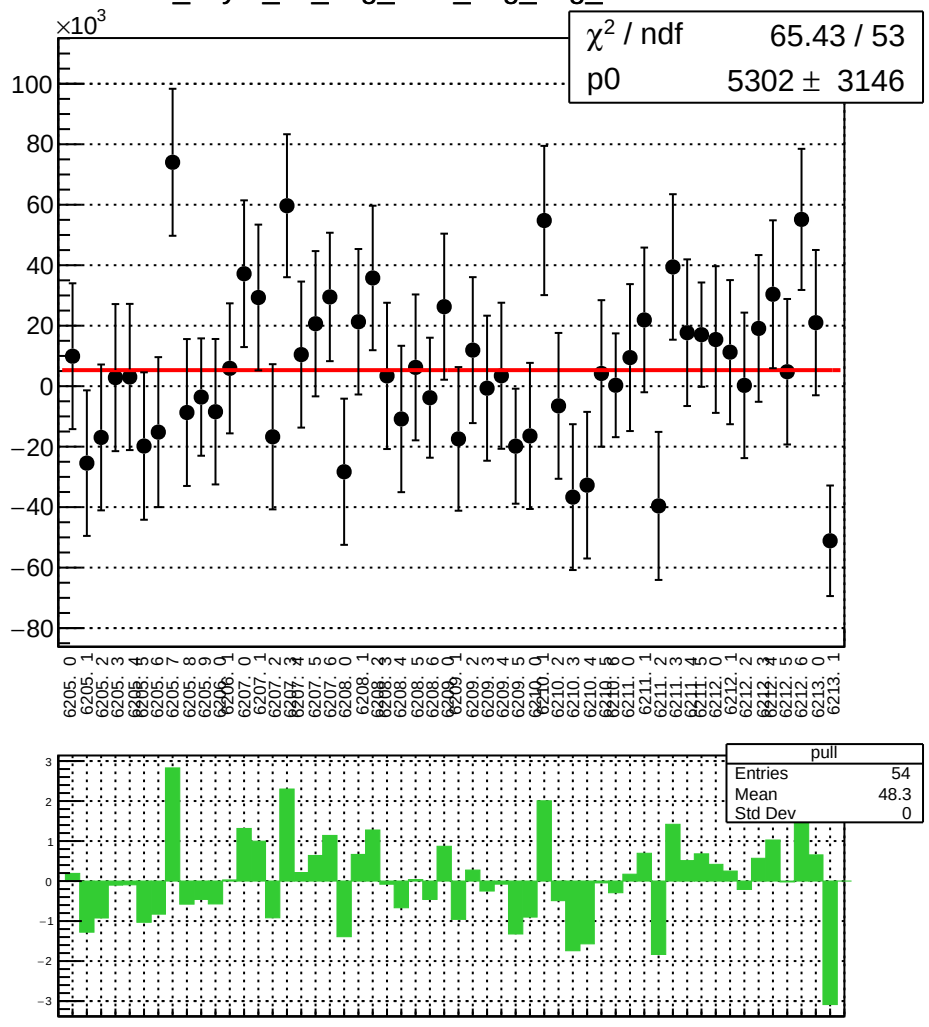

pull1D
Entries 54
Mean 0.02103
Std Dev 1.101

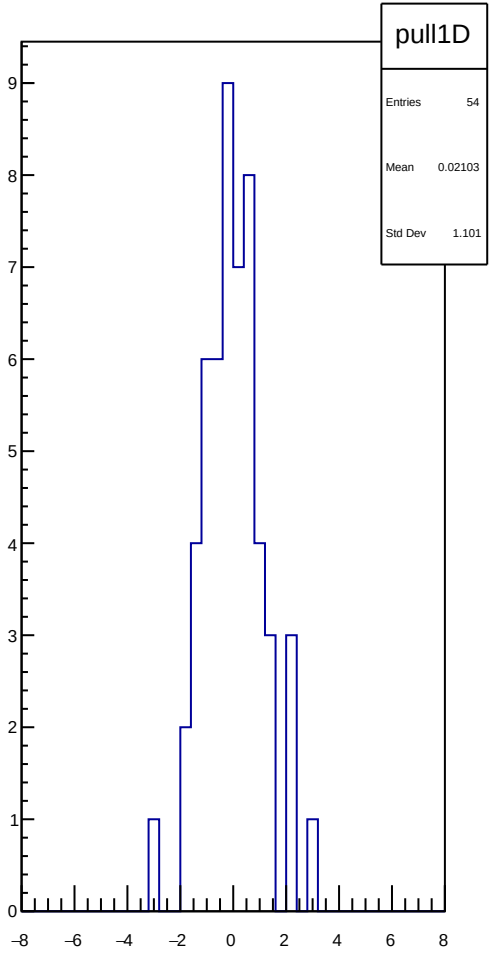

reg_asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 71.73 / 53
p0 2289 ± 2.224
2380
2360
2340
2320
2300
2280
2260
2240
2220
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

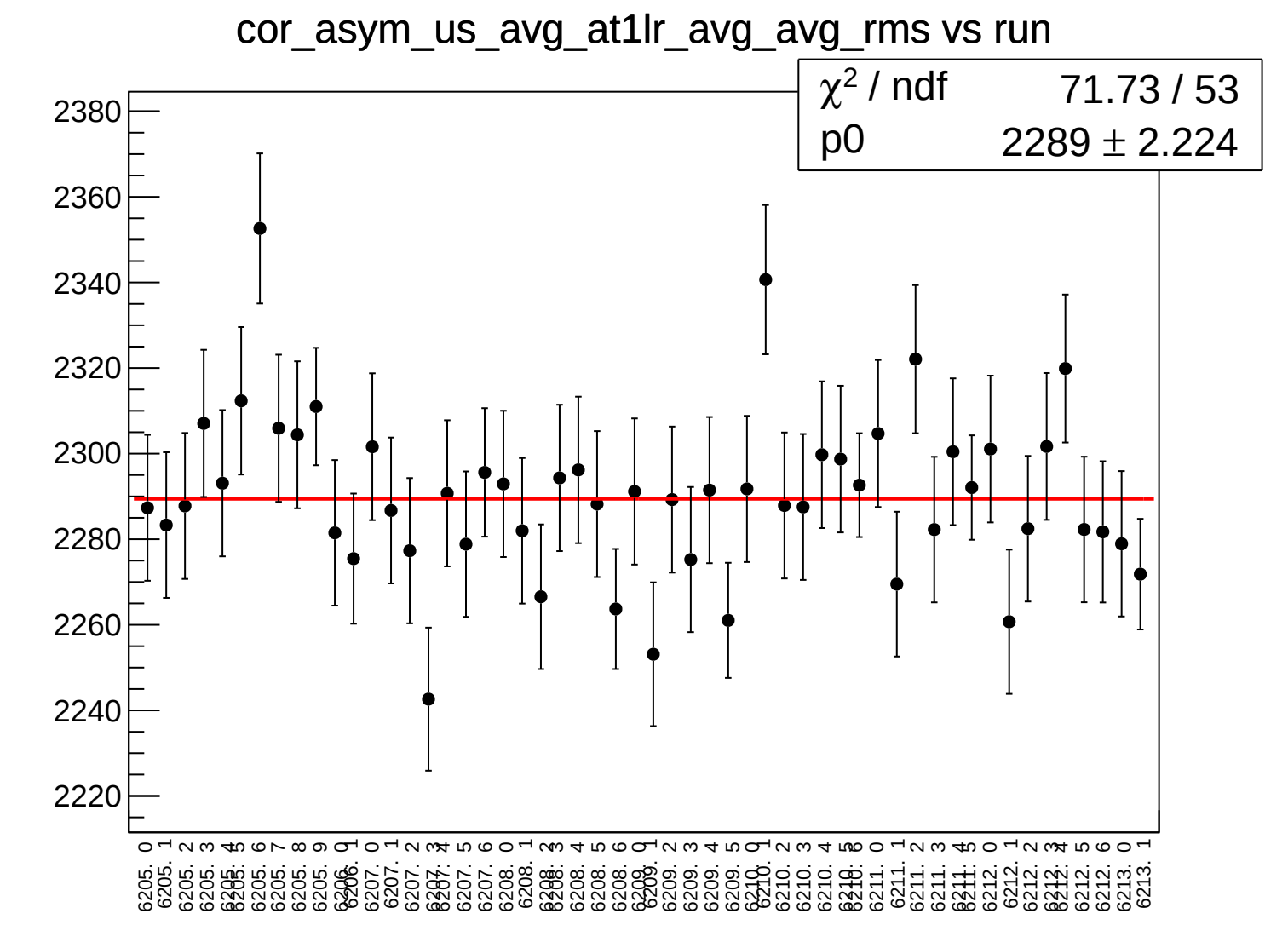

asym_us_avg_at1lr_avg_avg_reg_correction_mean vs run
χ² / ndf 42.23 / 53
p0 1665 ± 2993
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean −203.2
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

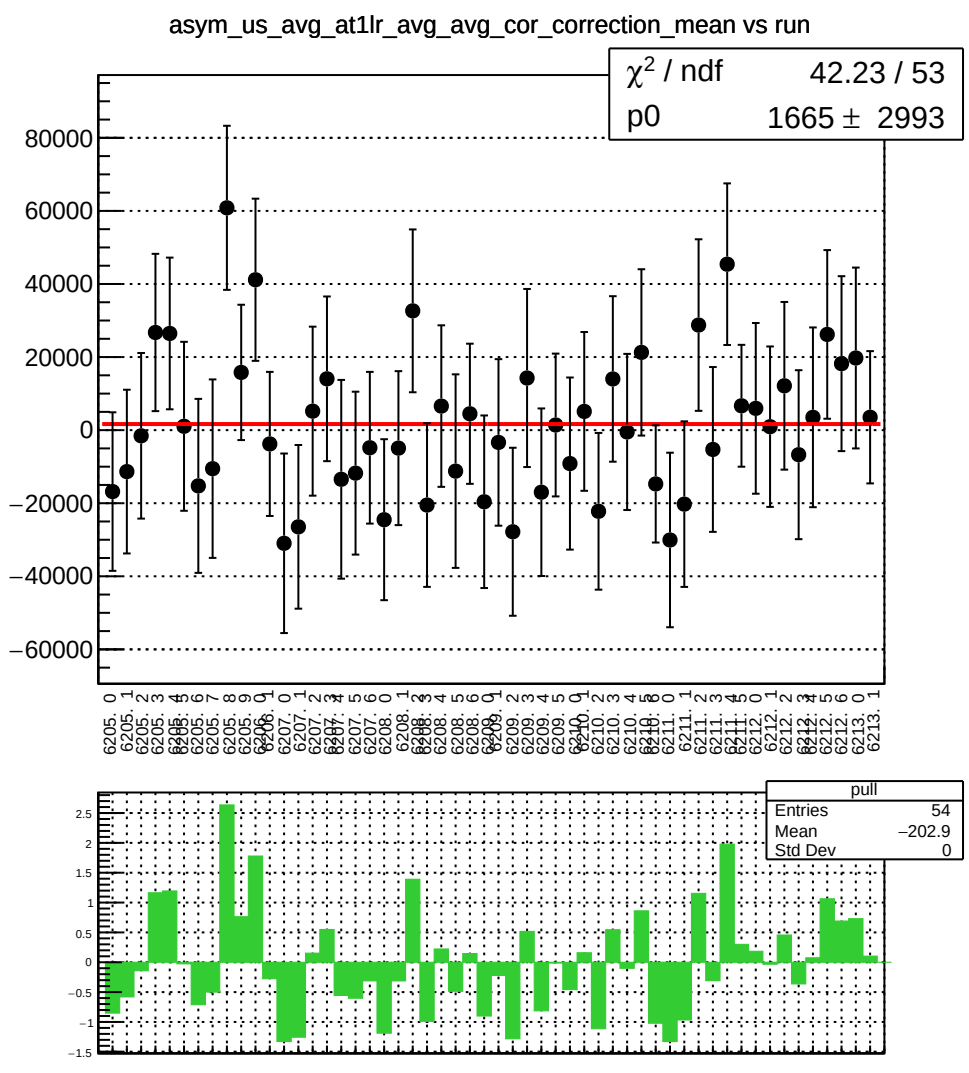

pull1D
Entries 54
Mean −0.004171
Std Dev 0.8843
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

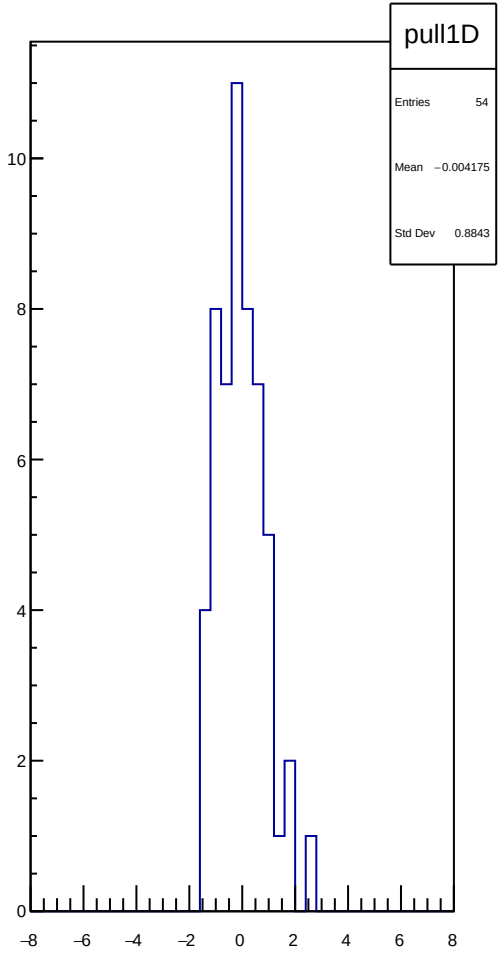

asym_us_avg_at1lr_avg_avg_reg_correction_rms vs run
χ² / ndf 2527 / 53
p0 2175 ± 2.116
2600
2500
2400
2300
2200
2100
2000
1900
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

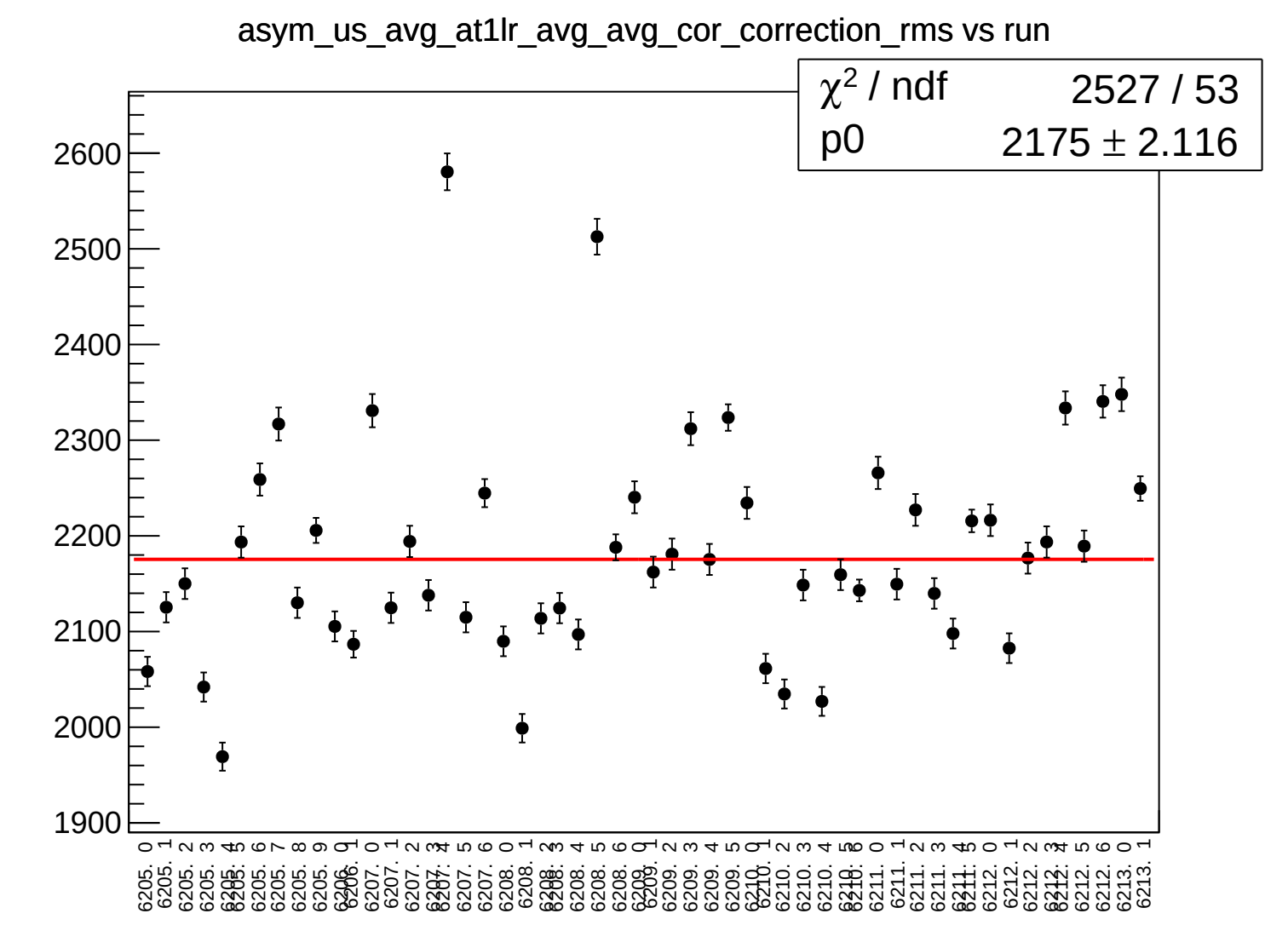

cor_asym_us_avg_at1lr_avg_avg_mean vs run
×10^3
χ² / ndf 65.43 / 53
p0 5302 ± 3146
pull
Entries 54
Mean 48.3
Std Dev 0

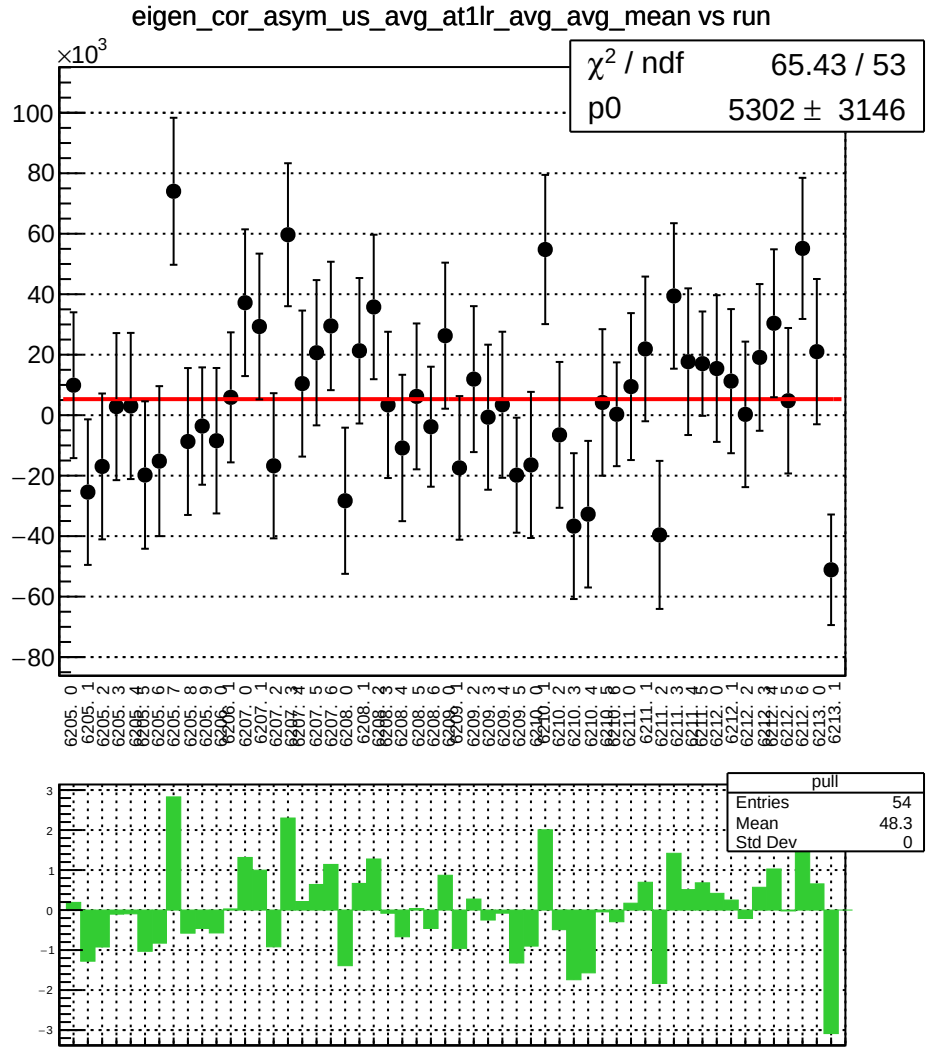

pull1D
Entries 54
Mean 0.02103
Std Dev 1.101

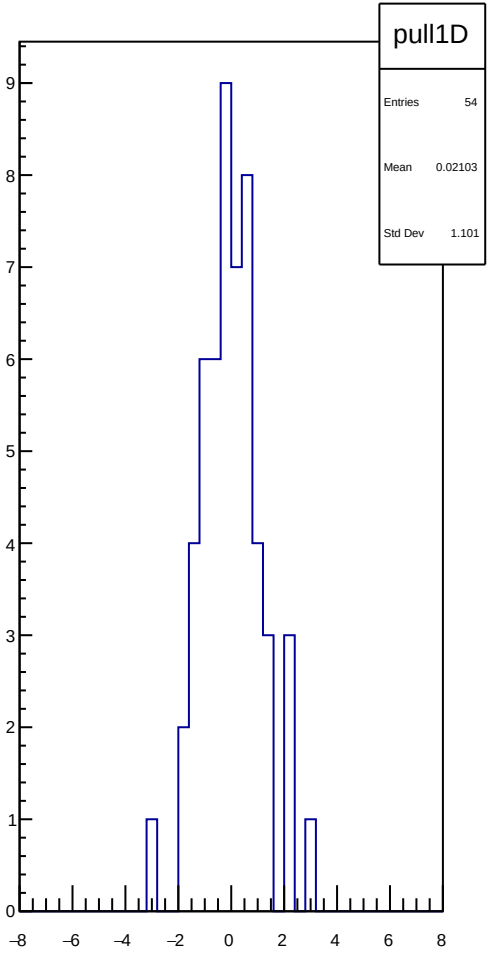

cor_asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 71.73 / 53
p0 2289 ± 2.224
2380
2360
2340
2320
2300
2280
2260
2240
2220
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

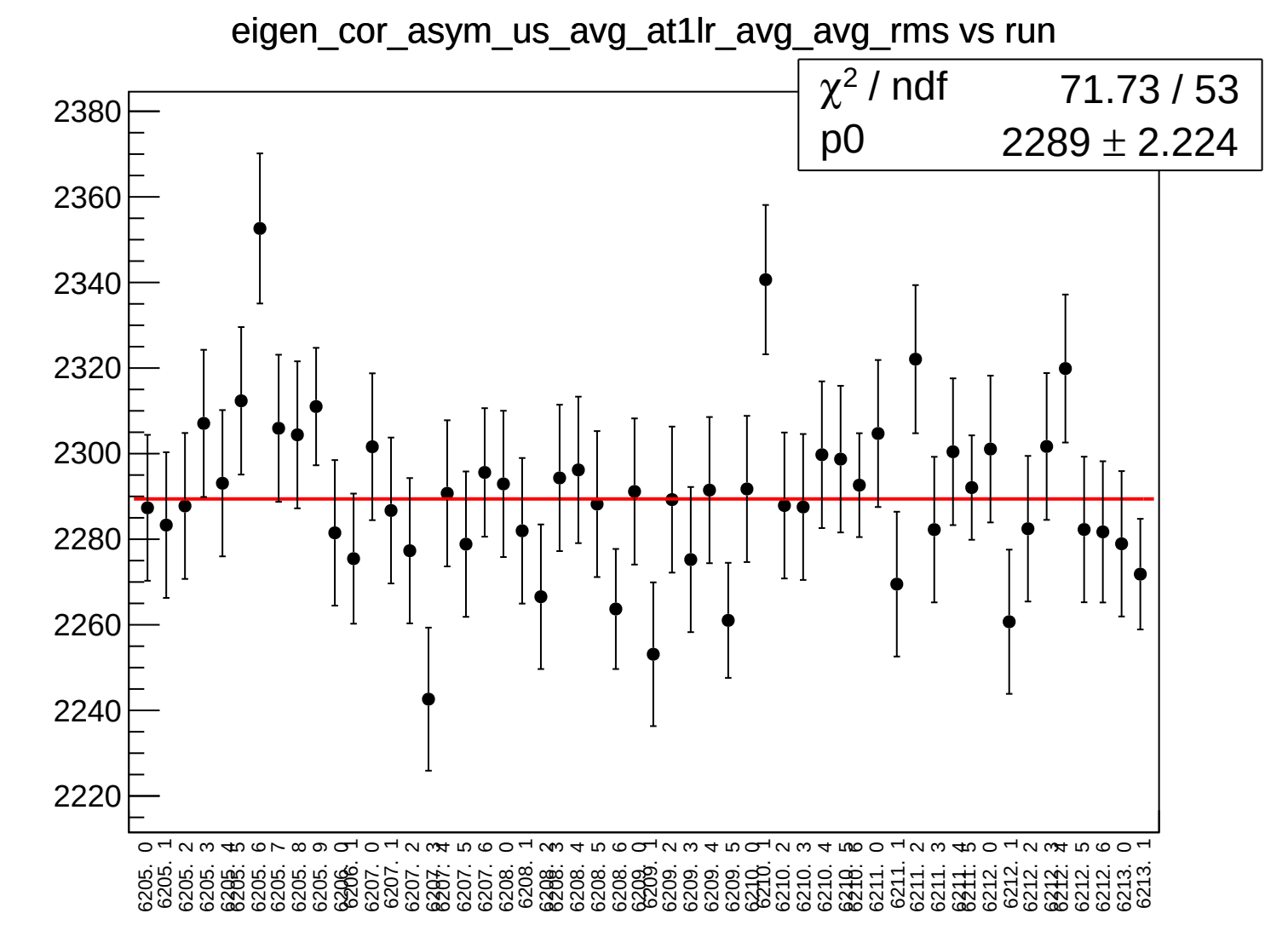

asym_us_avg_at1lr_avg_avg_cor_correction_mean vs run
χ² / ndf 42.23 / 53
p0 1665 ± 2993
pull
Entries 54
Mean −202.9
Std Dev 0


pull1D
Entries 54
Mean −0.004175
Std Dev 0.8843


asym_us_avg_at1lr_avg_avg_cor_correction_rms vs run
χ² / ndf 2527 / 53
p0 2175 ± 2.116
2600
2500
2400
2300
2200
2100
2000
1900
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


eigen_cor_asym_us_avg_at1lr_avg_avg_mean vs run
×10^3
χ² / ndf 65.43 / 53
p0 5302 ± 3146
100
80
60
40
20
0
−20
−40
−60
−80
pull
Entries 54
Mean 48.3
Std Dev 0
3
2
1
0
−1
−2
−3


pull1D
Entries 54
Mean 0.02103
Std Dev 1.101
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 71.73 / 53
p0 2289 ± 2.224
2380
2360
2340
2320
2300
2280
2260
2240
2220
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
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6208. 0
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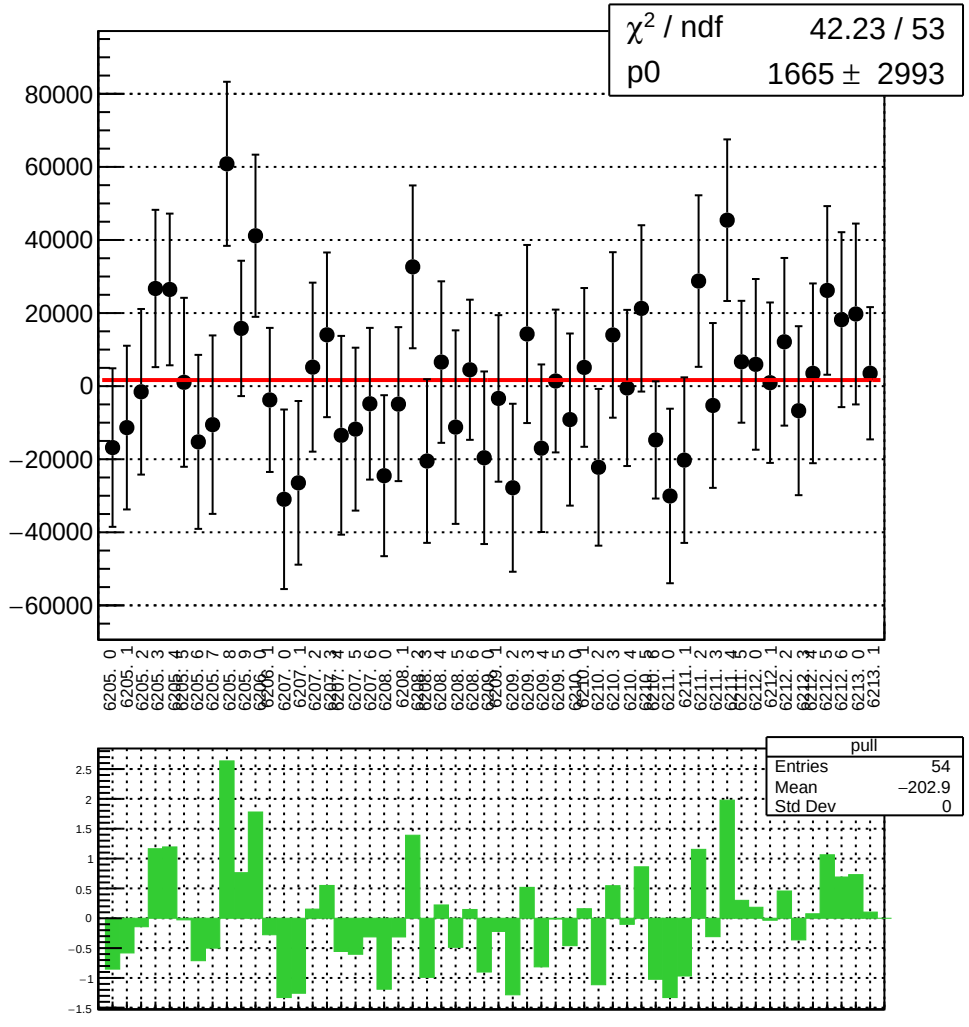
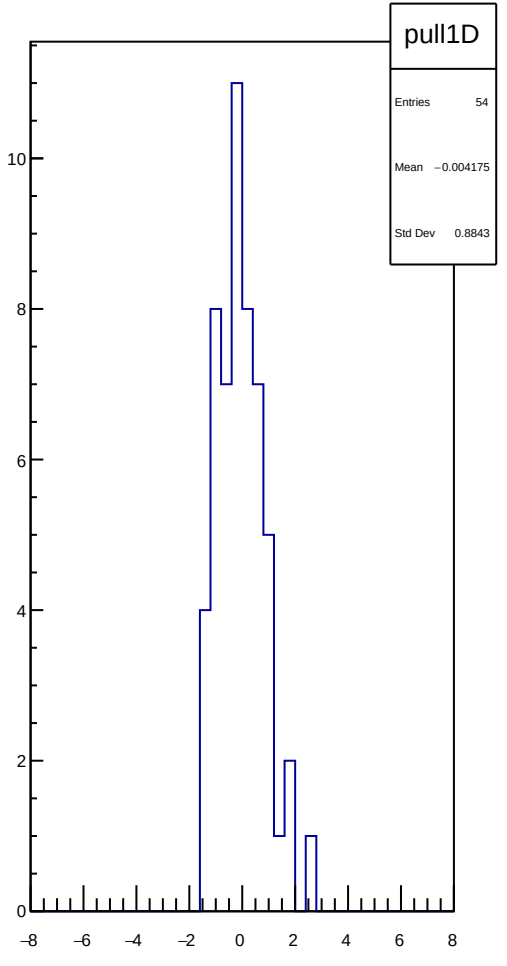
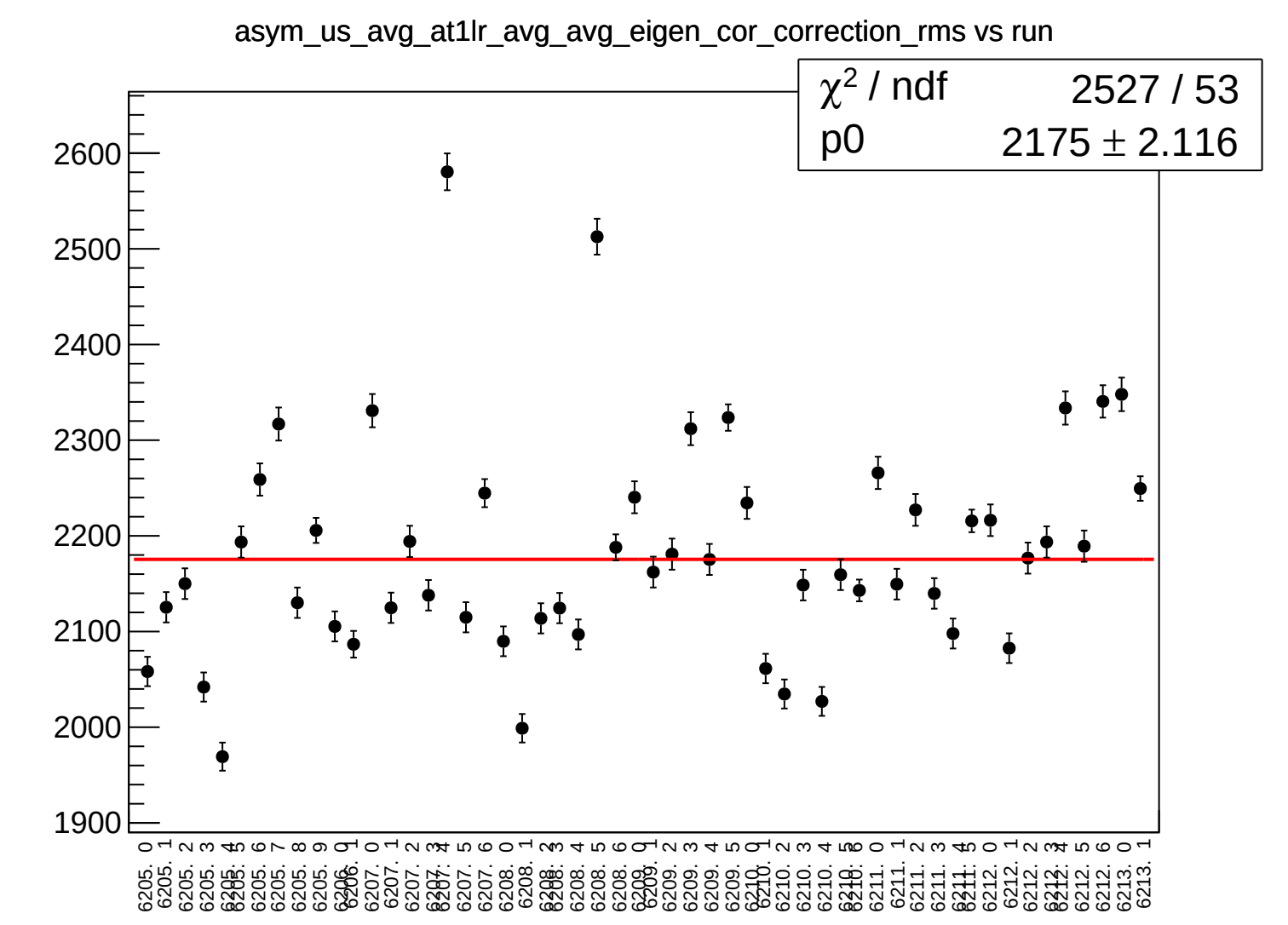
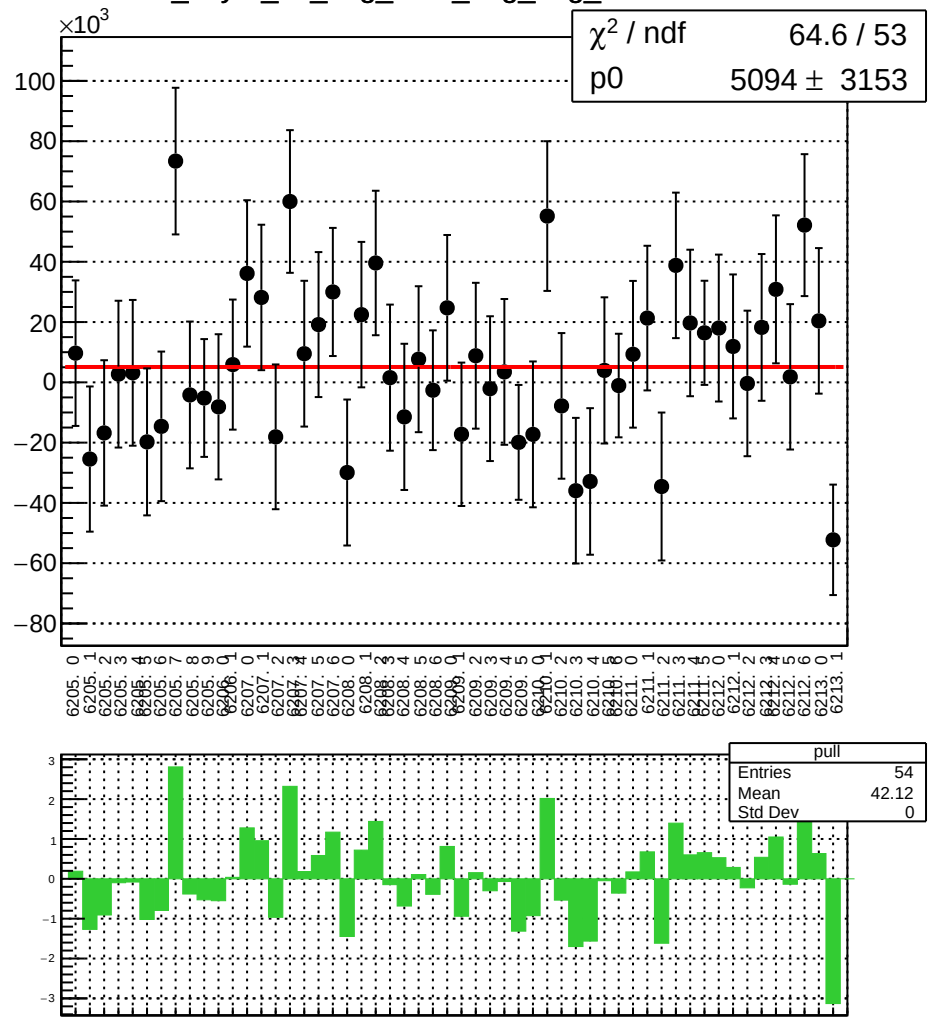
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

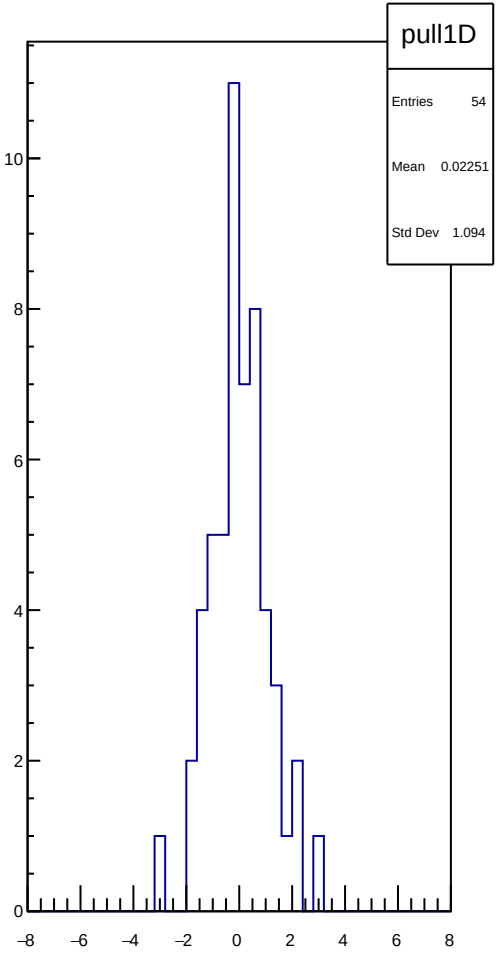
asym_us_avg_at1lr_avg_avg_eigen_cor_correction_mean vs run

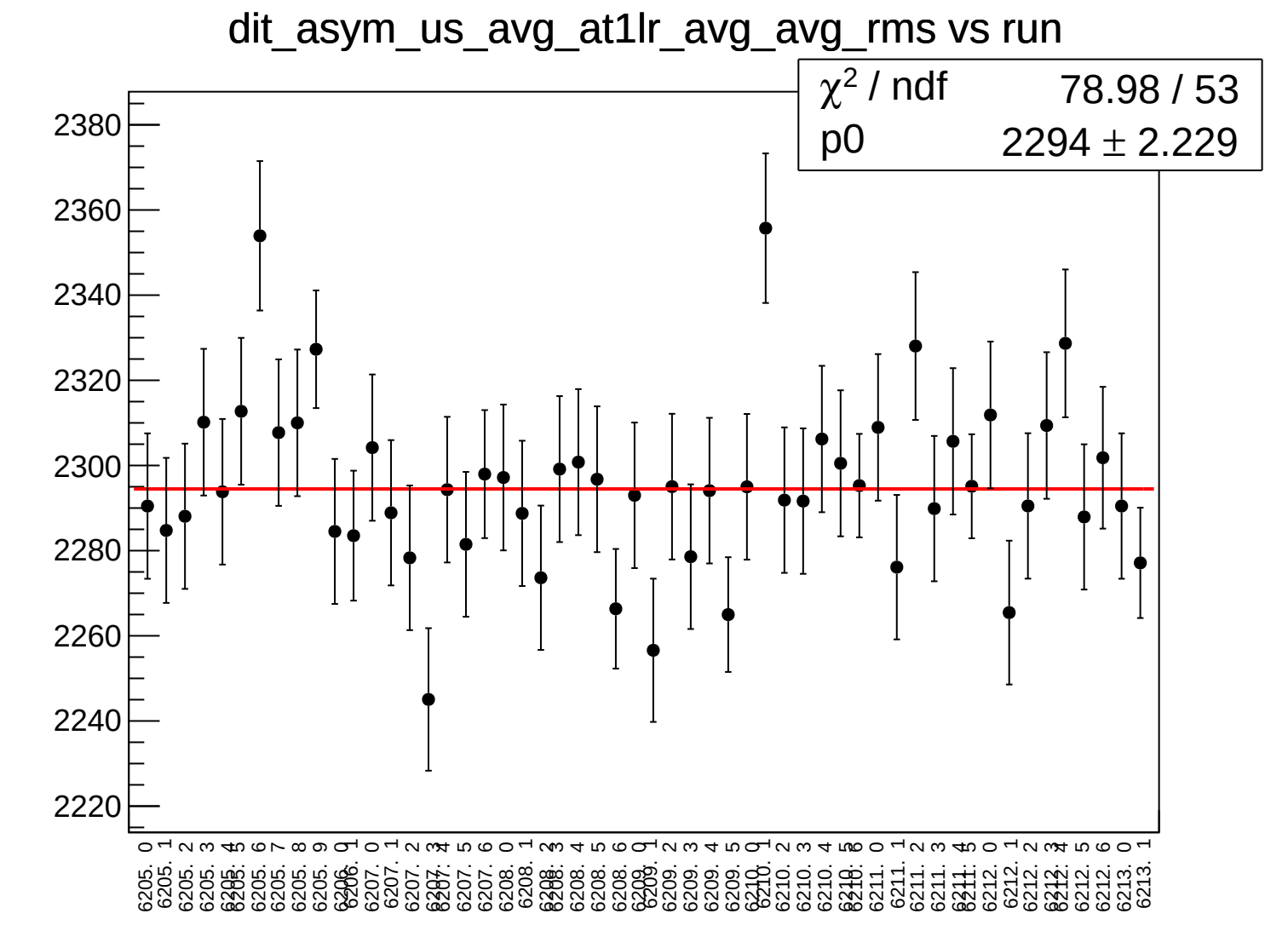


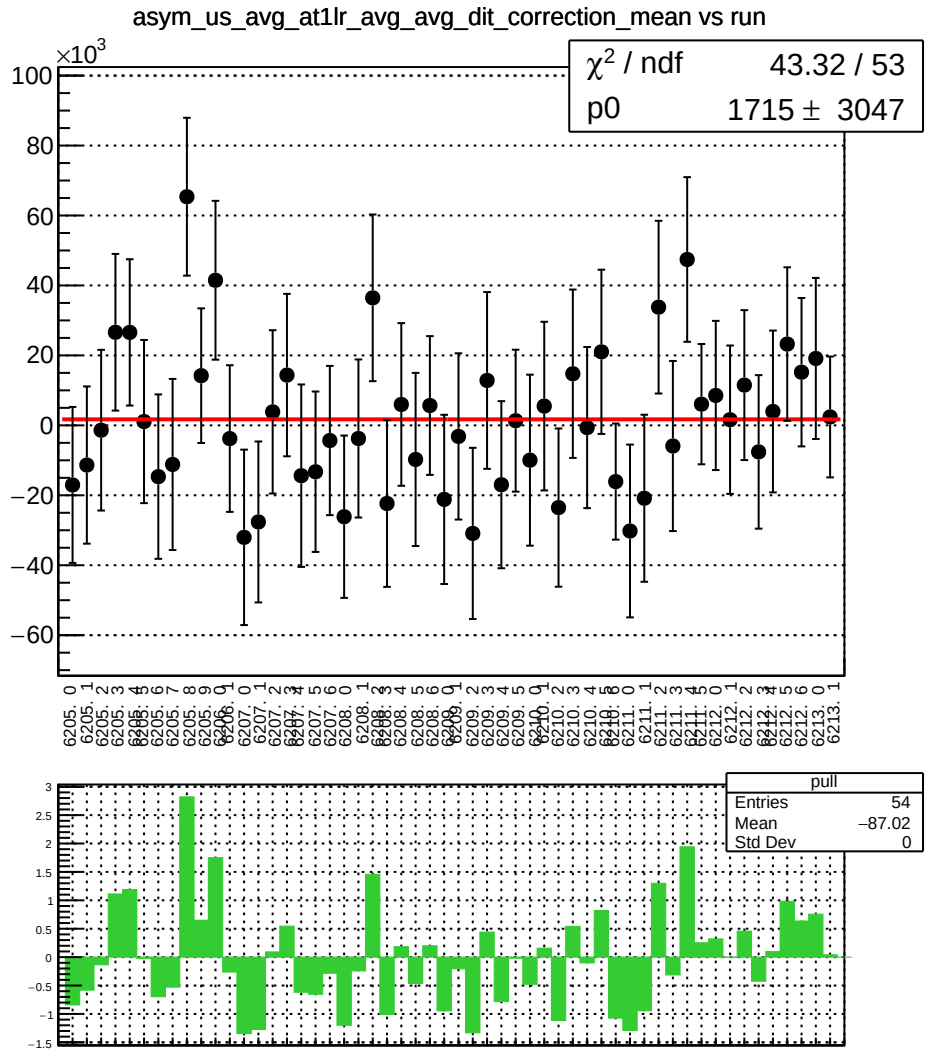


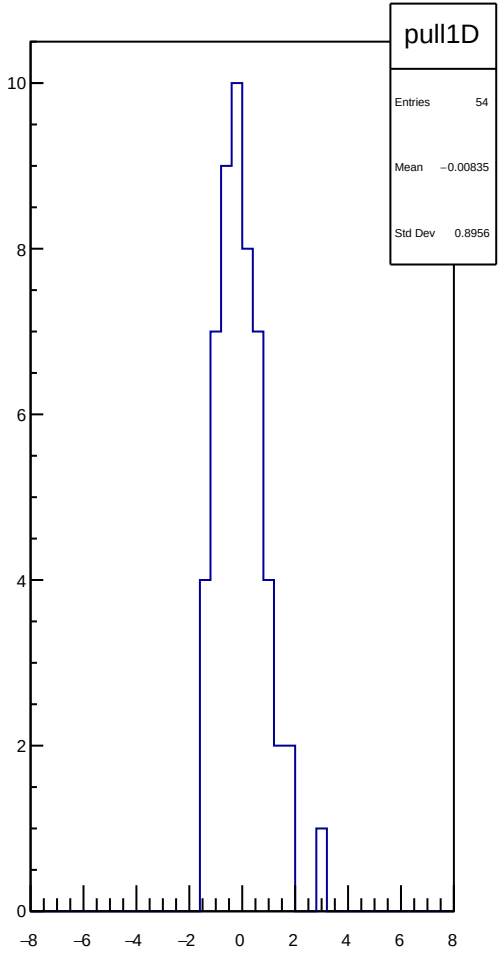

asym_us_avg_at1lr_avg_avg_eigen_cor_correction_rms vs run
χ² / ndf 2527 / 53
p0 2175 ± 2.116
2600
2500
2400
2300
2200
2100
2000
1900
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

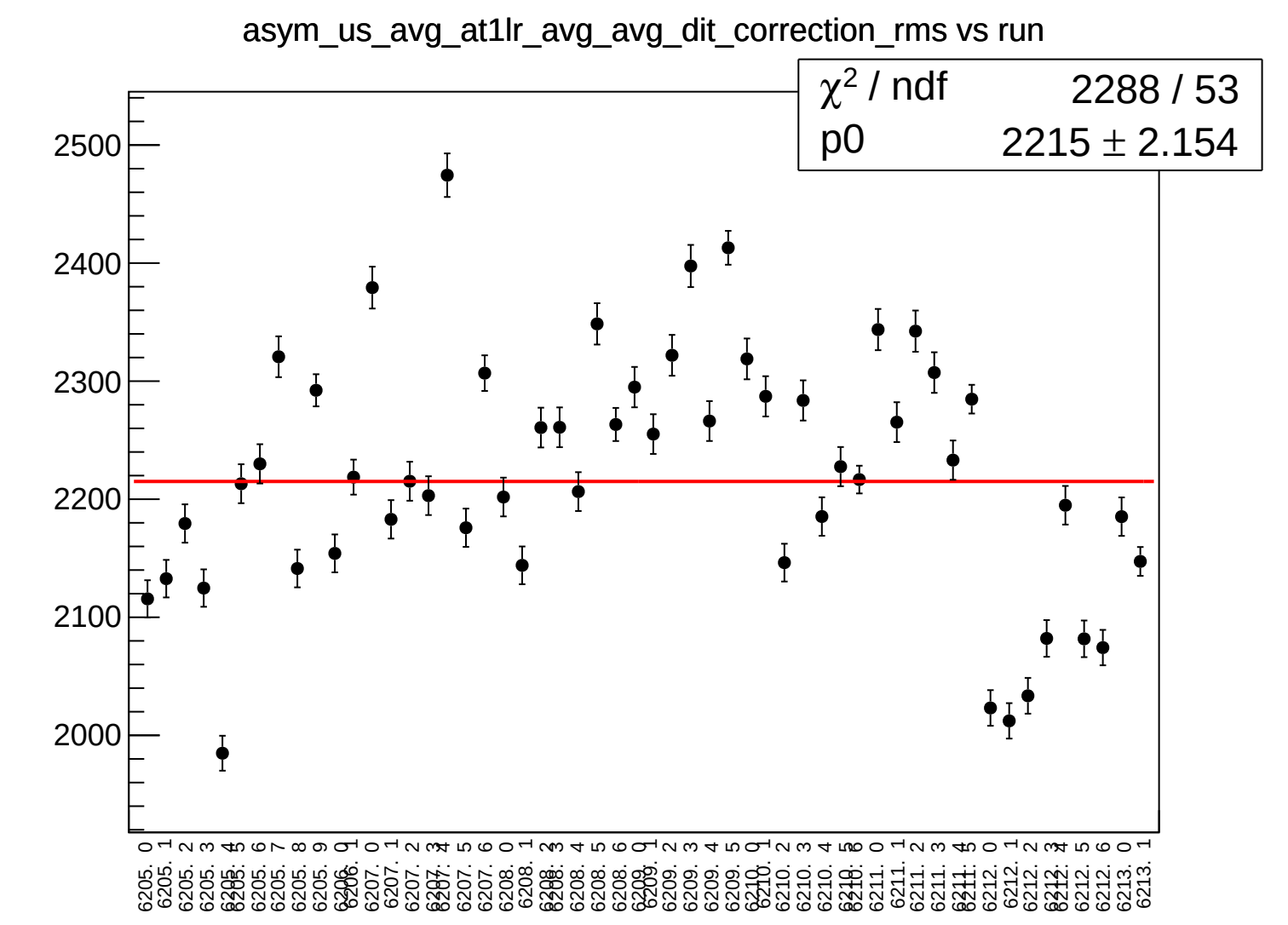

dit_asym_us_avg_at1lr_avg_avg_mean vs run
χ² / ndf 64.6 / 53
p0 5094 ± 3153
pull
Entries 54
Mean 42.12
Std Dev 0

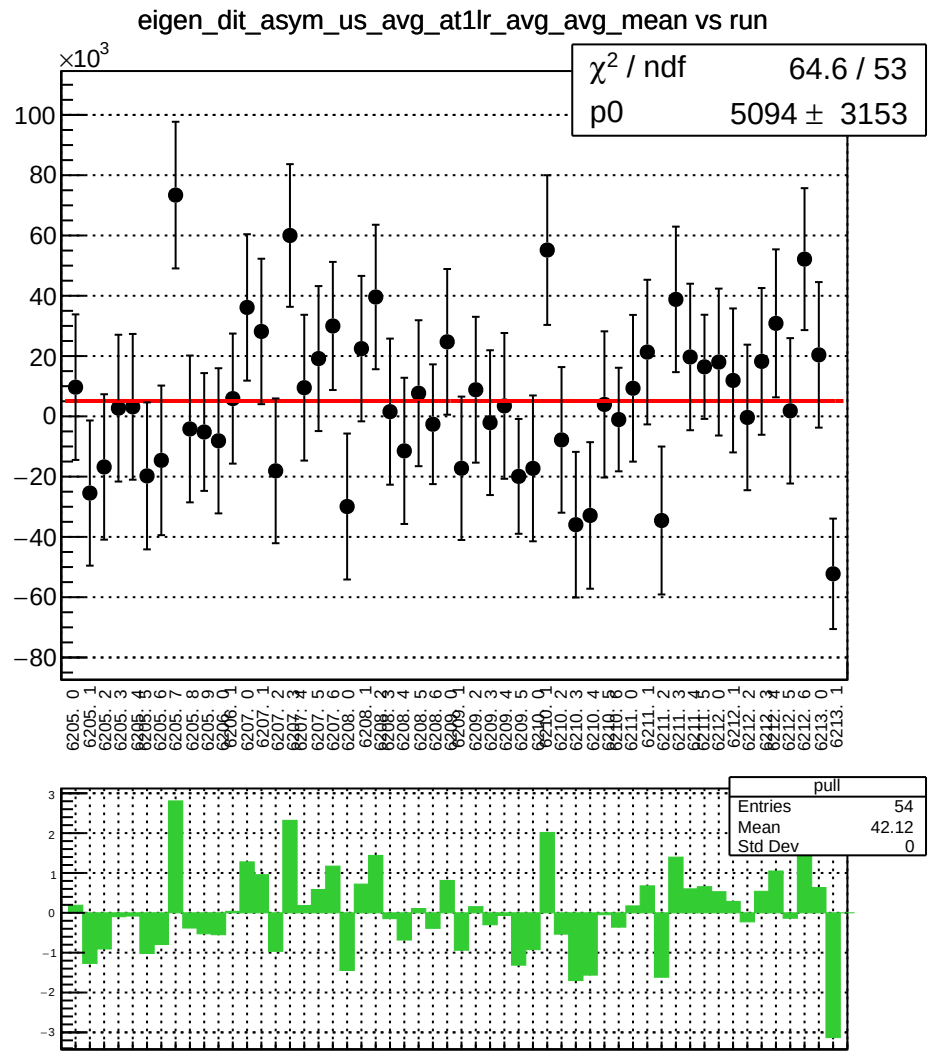

pull1D
Entries 54
Mean 0.02251
Std Dev 1.094

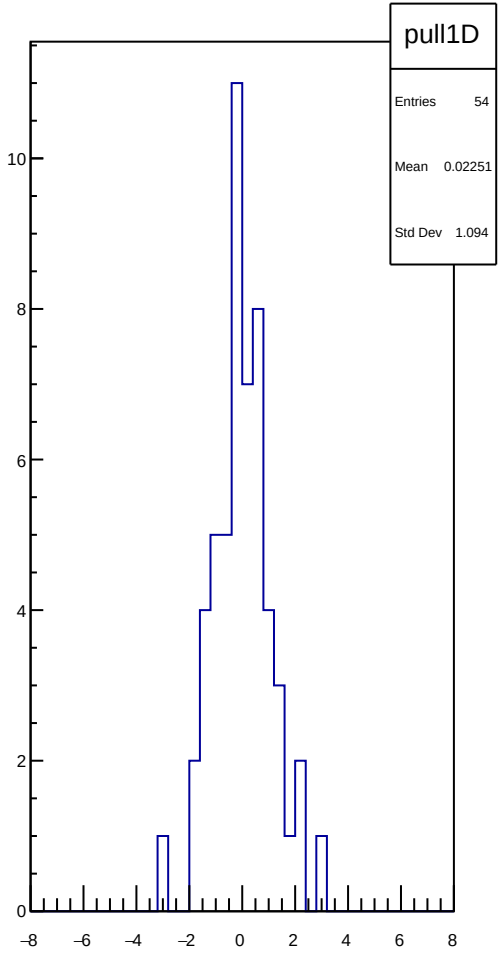

dit_asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 78.98 / 53
p0 2294 ± 2.229
2380
2360
2340
2320
2300
2280
2260
2240
2220
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

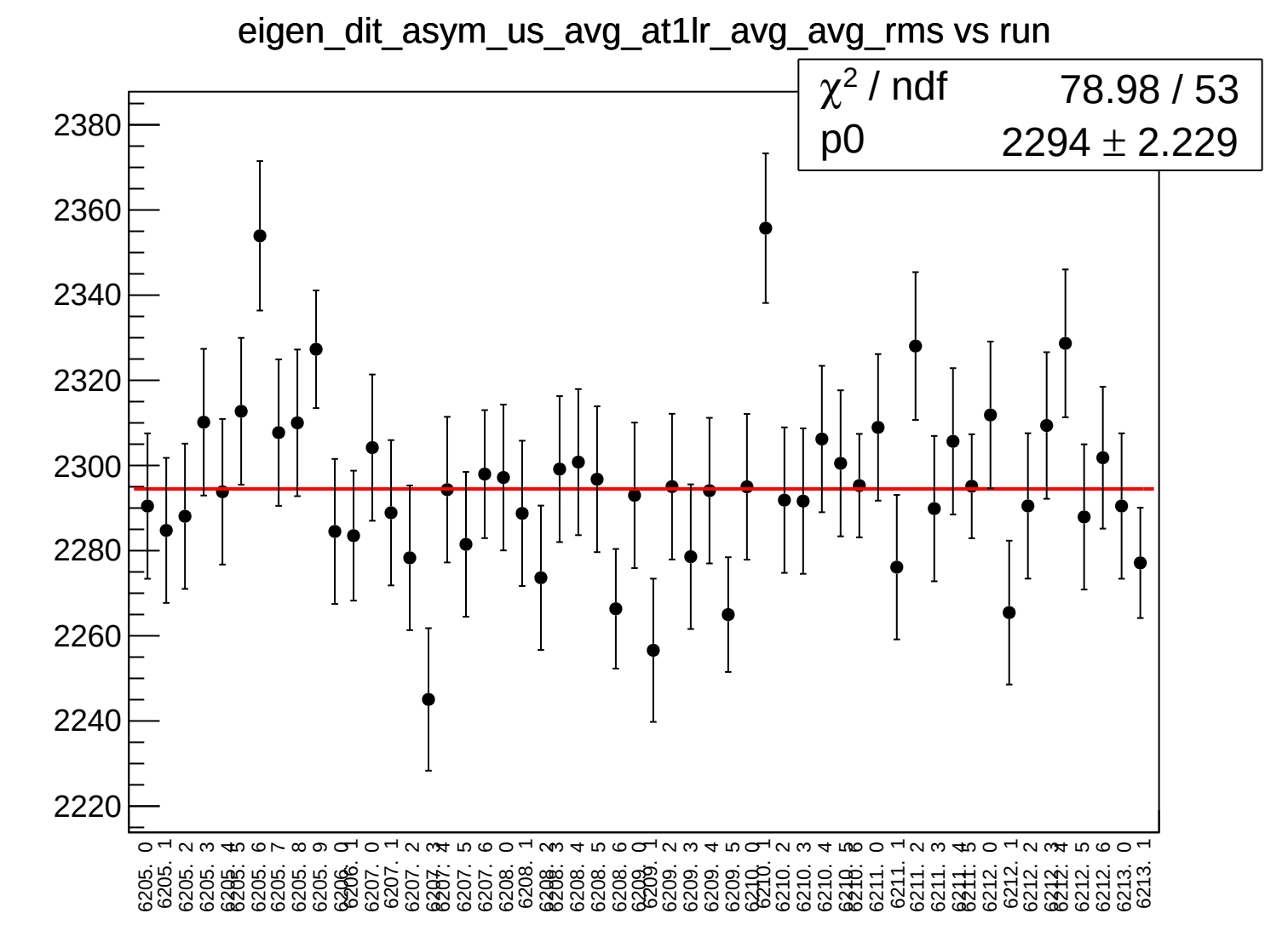

asym_us_avg_at1lr_avg_avg_dit_correction_mean vs run
×10^3
χ² / ndf 43.32 / 53
p0 1715 ± 3047
pull
Entries 54
Mean −87.02
Std Dev 0

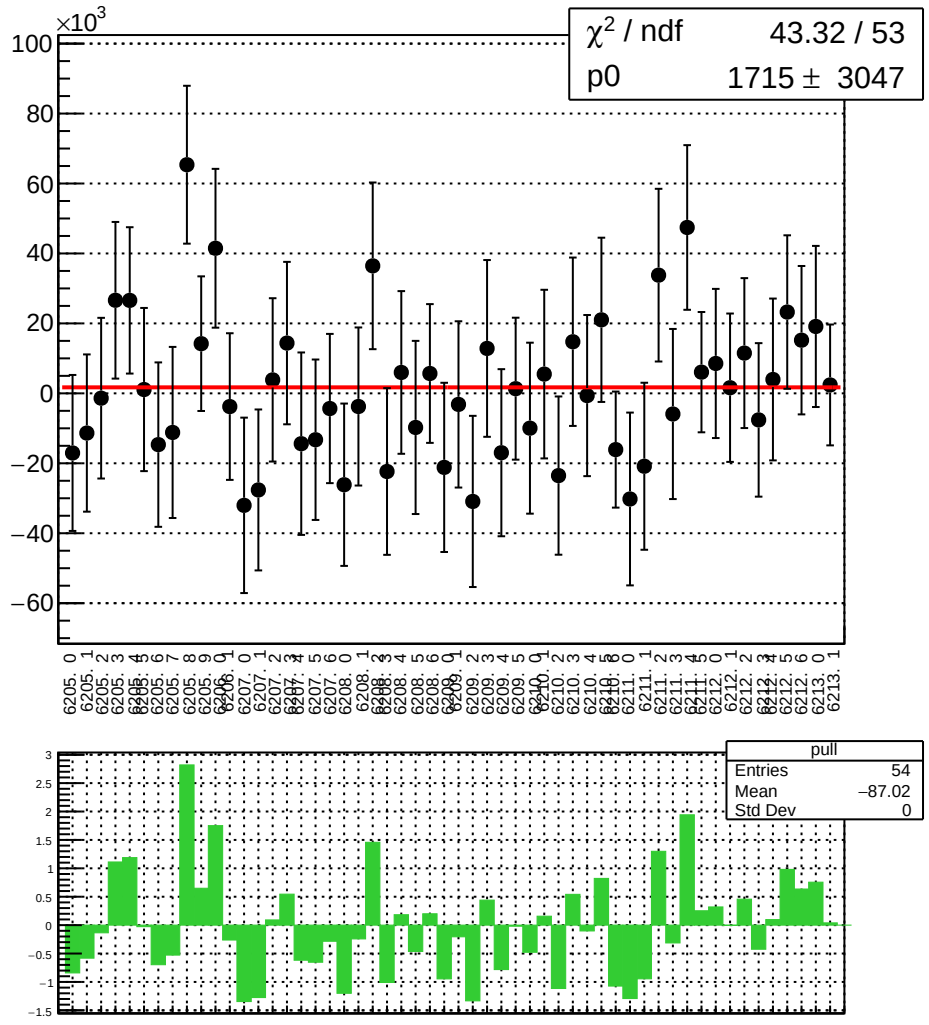

pull1D
Entries 54
Mean −0.00835
Std Dev 0.8956

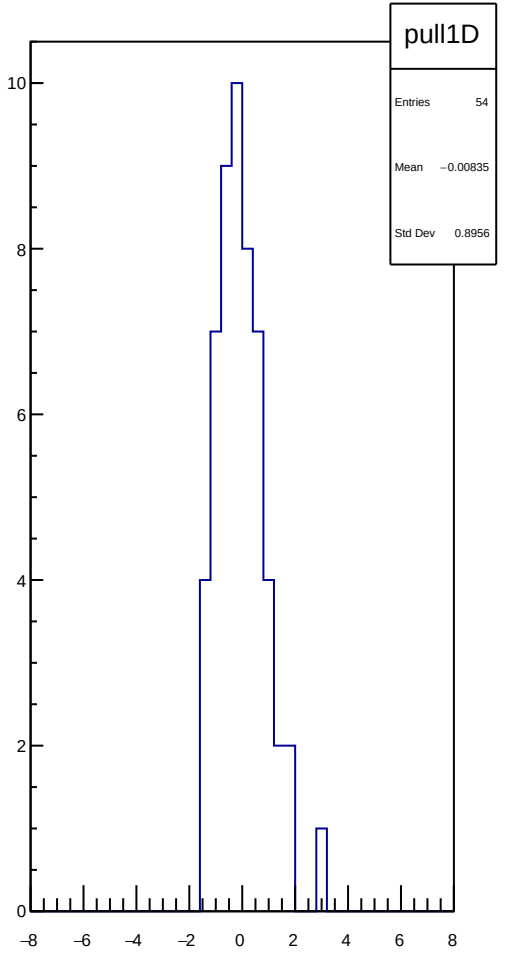

asym_us_avg_at1lr_avg_avg_dit_correction_rms vs run
χ² / ndf 2288 / 53
p0 2215 ± 2.154
2500
2400
2300
2200
2100
2000
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

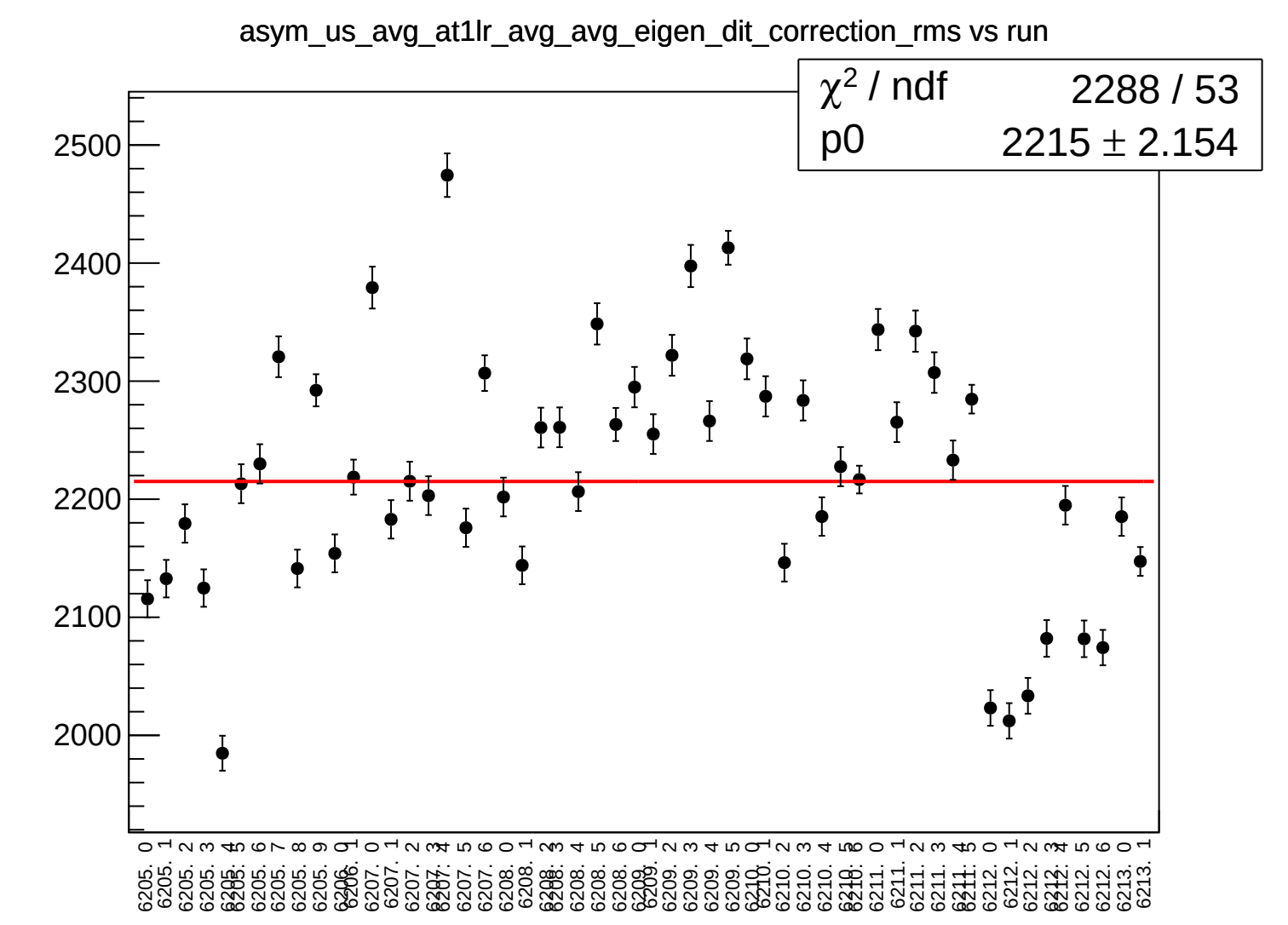

eigen_dit_asym_us_avg_at1lr_avg_avg_mean vs run
×10^3
χ² / ndf 64.6 / 53
p0 5094 ± 3153
pull
Entries 54
Mean 42.12
Std Dev 0

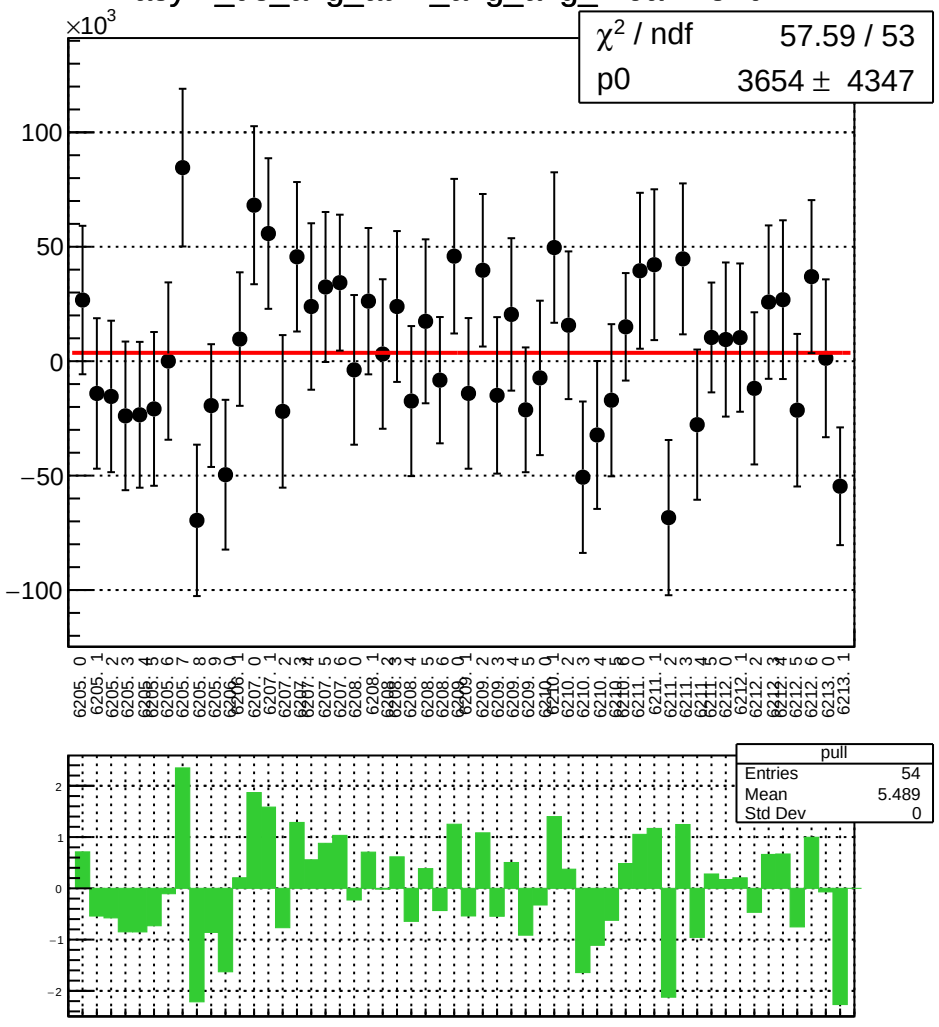

pull1D
Entries 54
Mean 0.02251
Std Dev 1.094

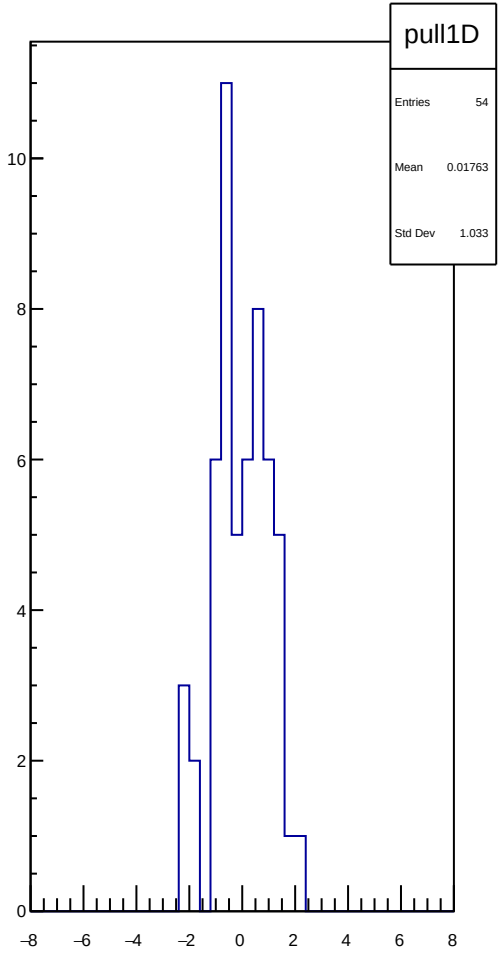

eigen_dit_asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 78.98 / 53
p0 2294 ± 2.229
2380
2360
2340
2320
2300
2280
2260
2240
2220

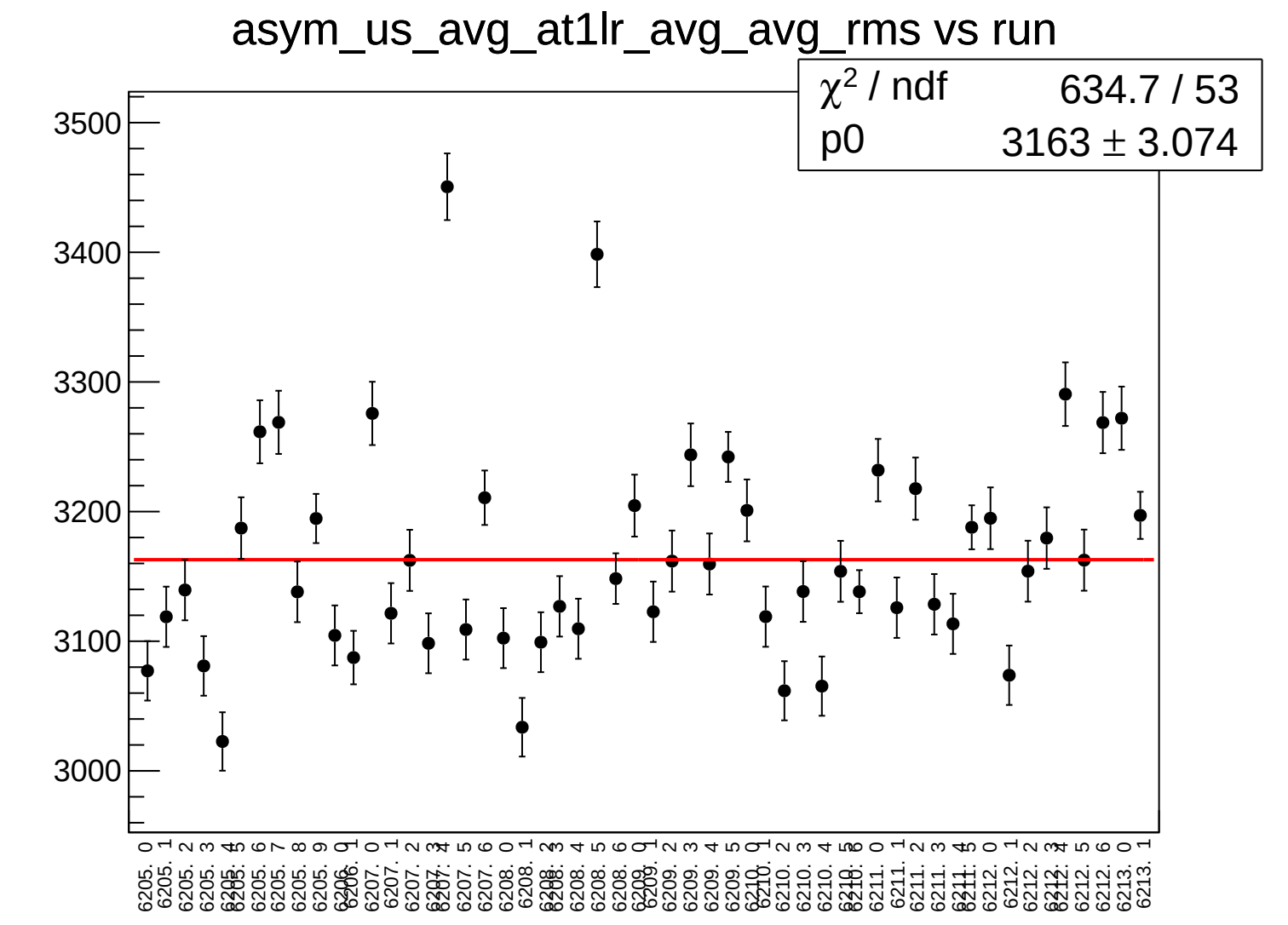

asym_us_avg_at1lr_avg_avg_eigen_dit_correction_mean vs run
×10^3
χ^2 / ndf 43.32 / 53
p0 1715 ± 3047
pull
Entries 54
Mean −87.02
Std Dev 0

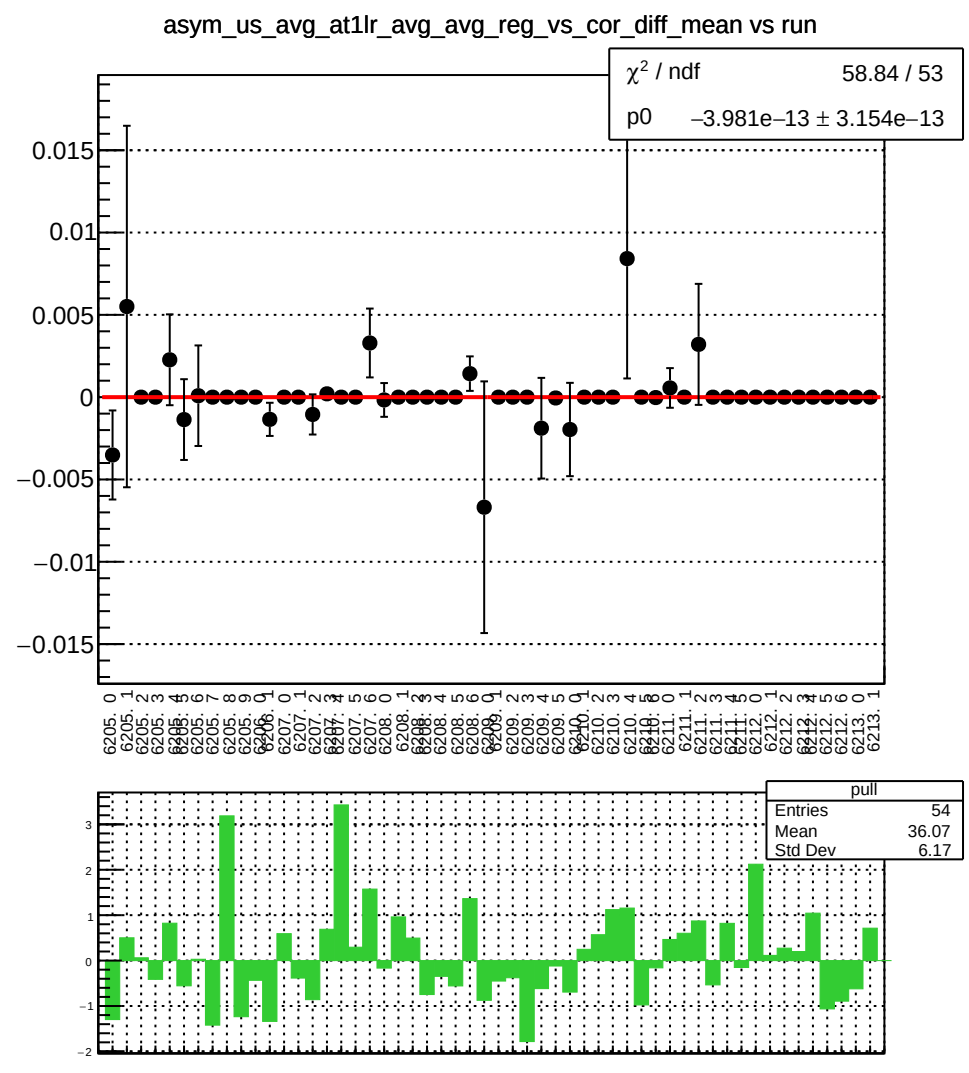

pull1D
Entries 54
Mean −0.00835
Std Dev 0.8956

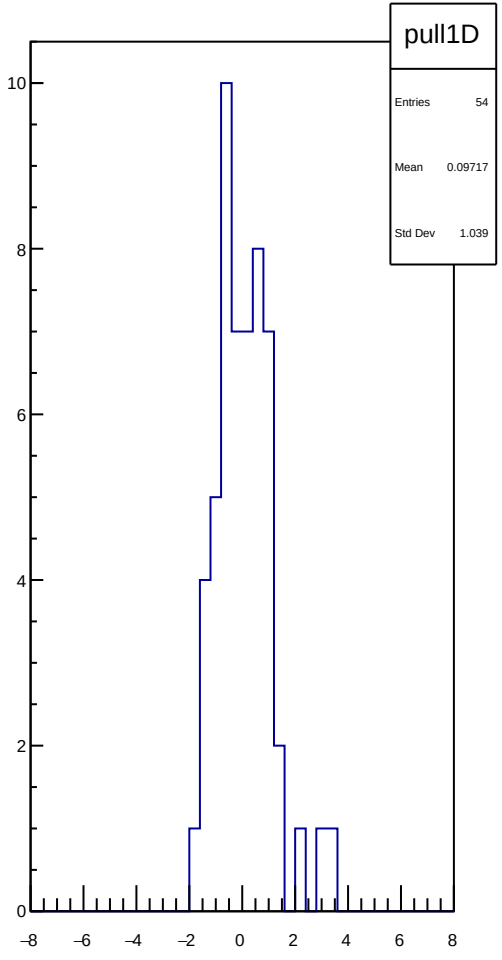

asym_us_avg_at1lr_avg_avg_eigen_dit_correction_rms vs run
χ² / ndf 2288 / 53
p0 2215 ± 2.154
2500
2400
2300
2200
2100
2000
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

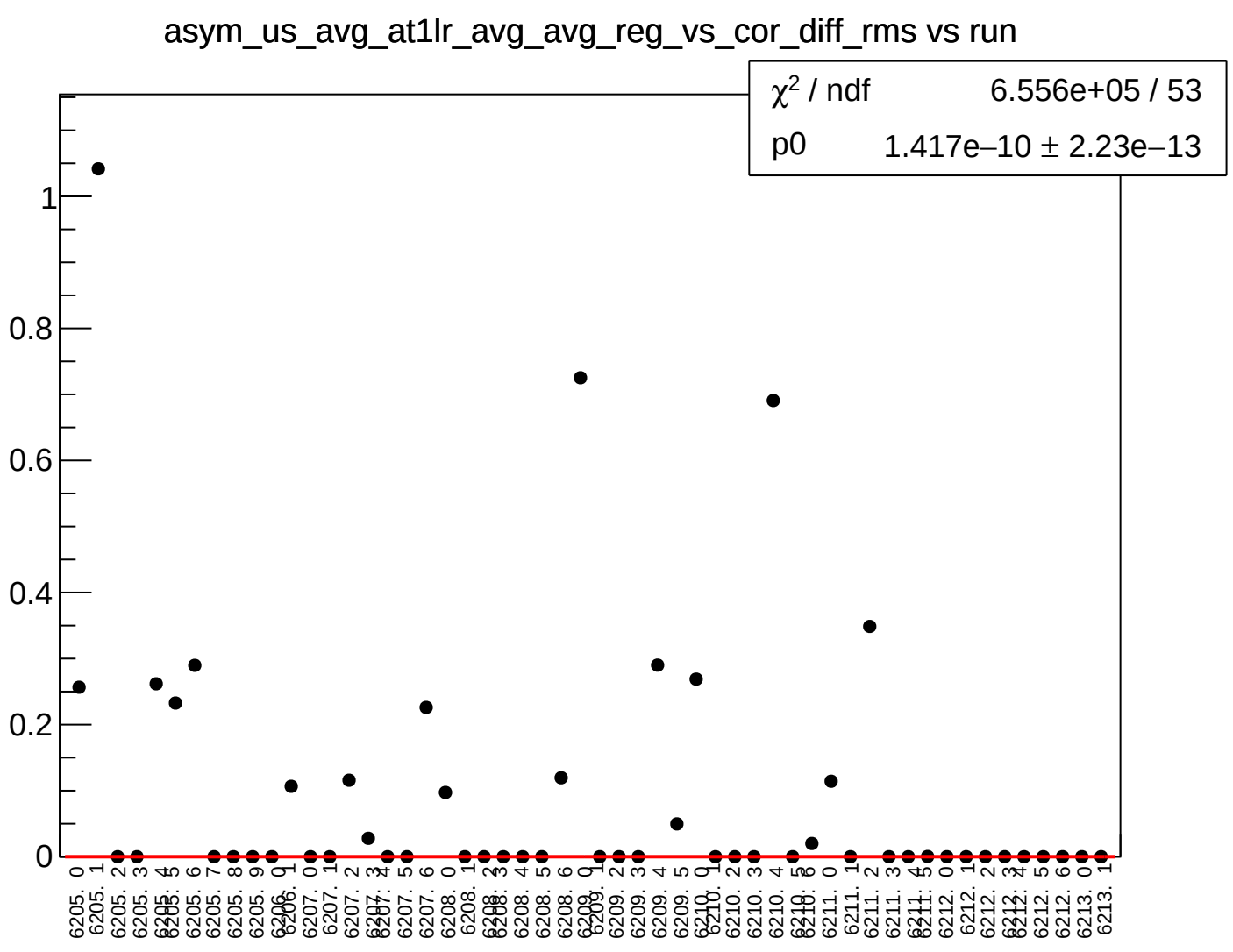

asym_us_avg_at1lr_avg_avg_mean vs run
×10^3
χ² / ndf 57.59 / 53
p0 3654 ± 4347
100
50
0
−50
−100
pull
Entries 54
Mean 5.489
Std Dev 0
2
1
0
−1
−2

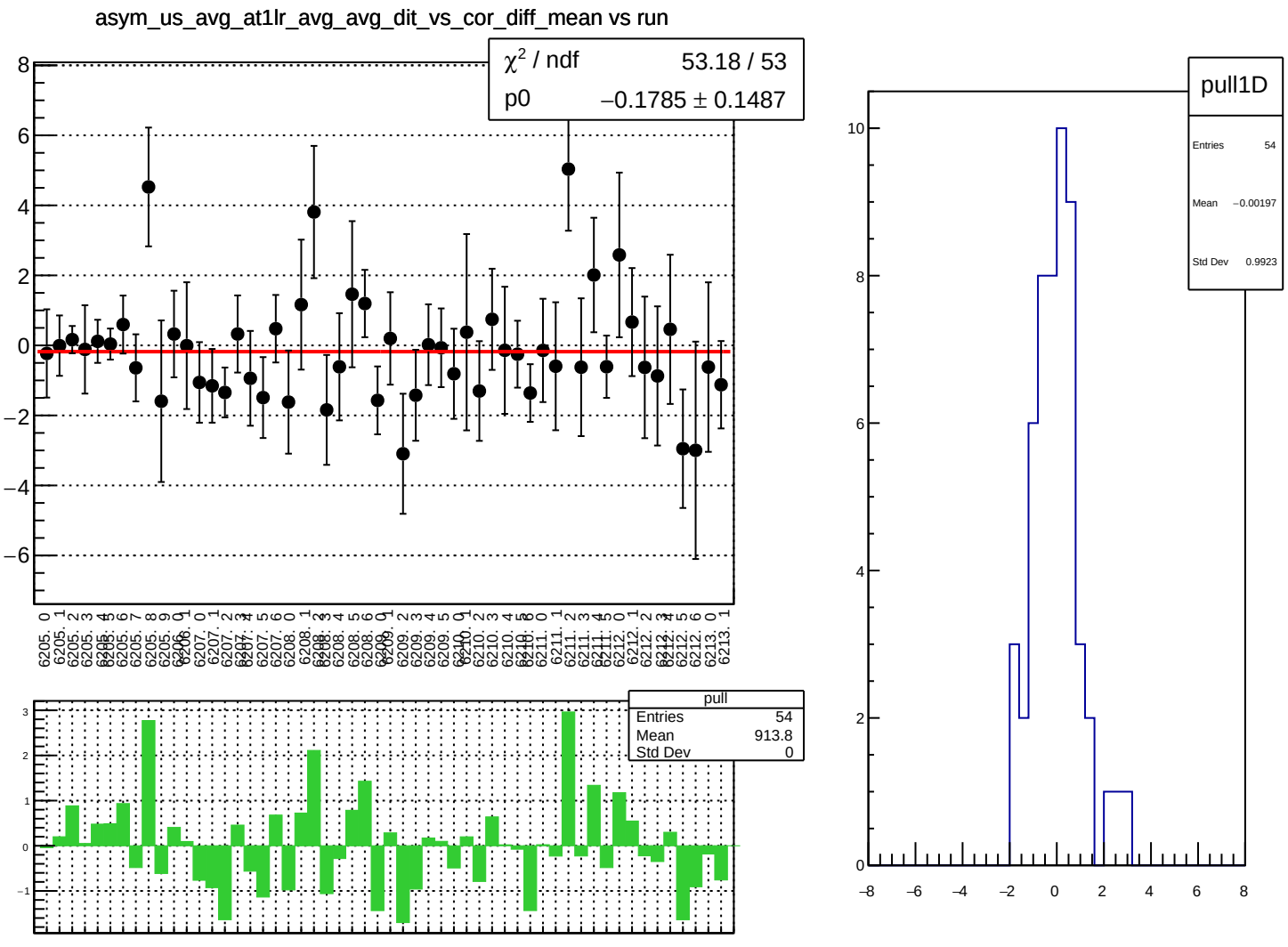

pull1D
Entries 54
Mean 0.01763
Std Dev 1.033
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

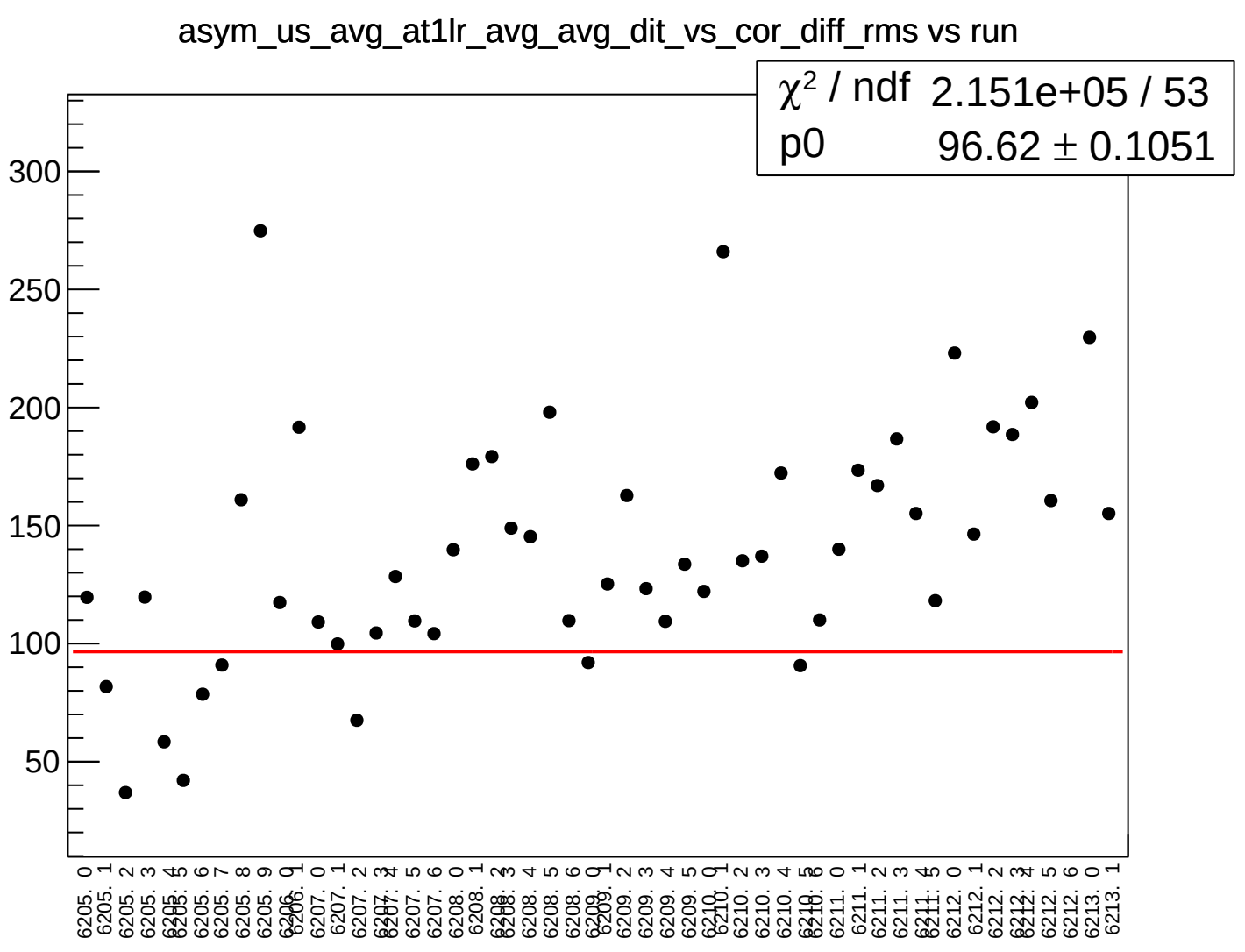

asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 634.7 / 53
p0 3163 ± 3.074
3500
3400
3300
3200
3100
3000
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

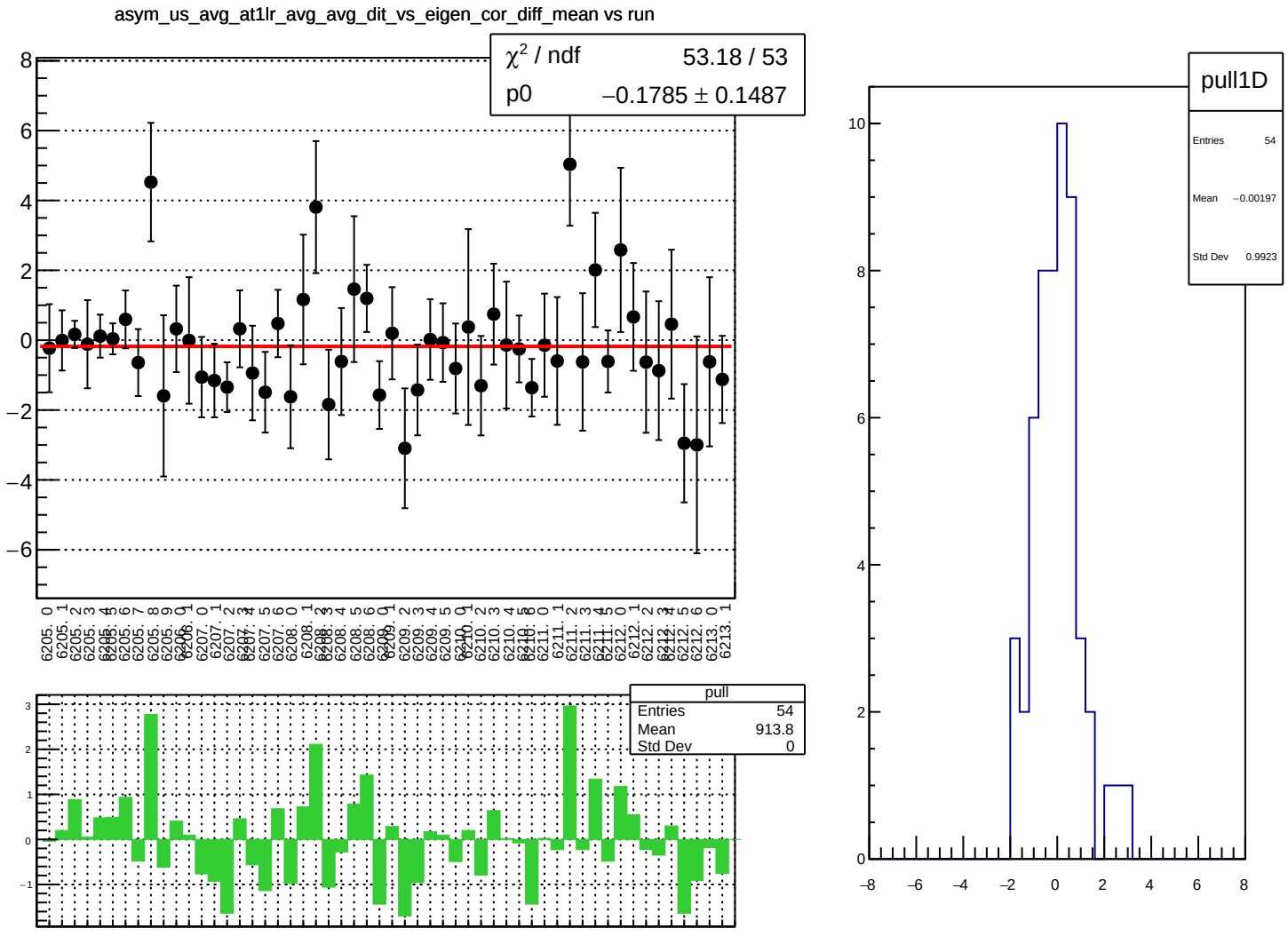

asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 58.84 / 53
p0 −3.981e−13 ± 3.154e−13
pull
Entries 54
Mean 36.07
Std Dev 6.17

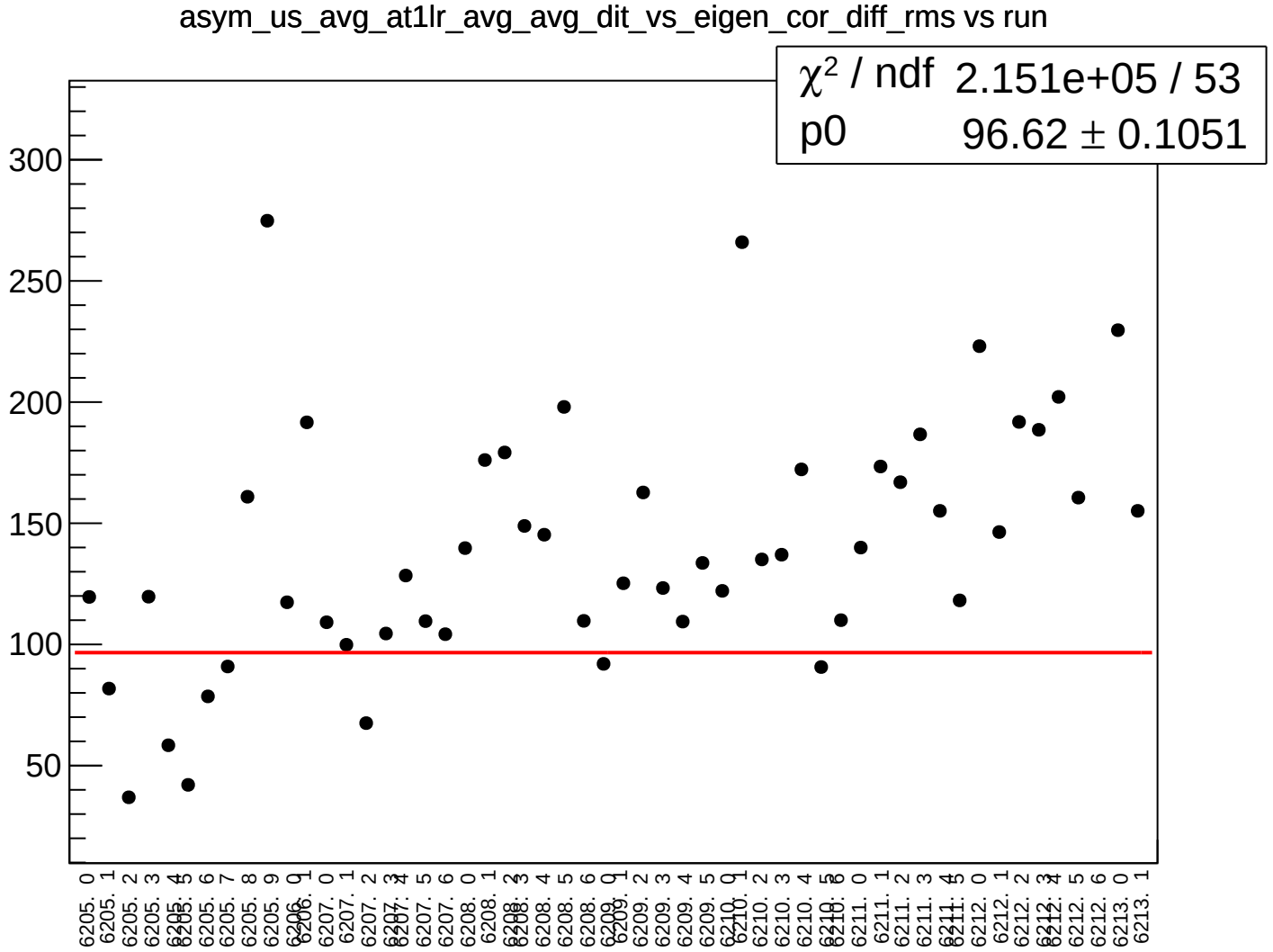

pull1D
Entries 54
Mean 0.09717
Std Dev 1.039

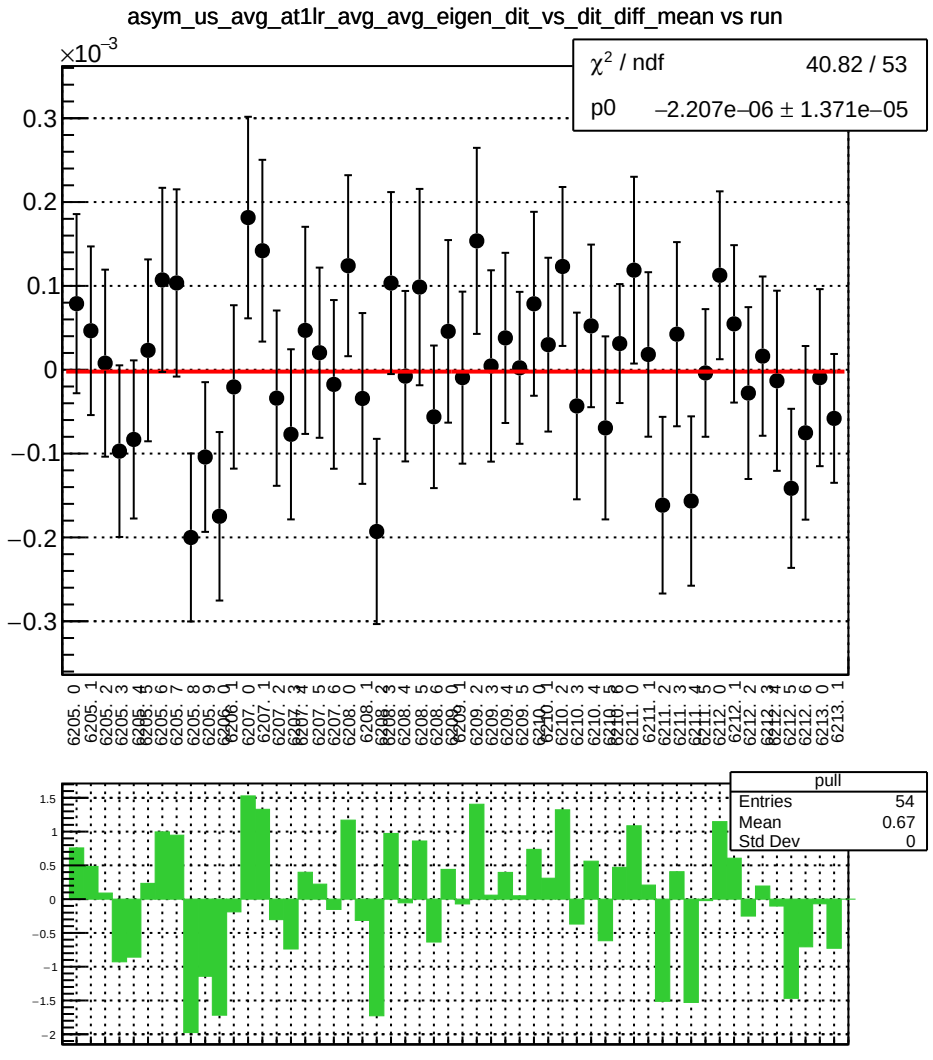

asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.556e+05 / 53
p0 1.417e−10 ± 2.23e−13
1
0.8
0.6
0.4
0.2
0
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6212. 0
6212. 1
6212. 2
6212. 3
6212. 5
6212. 6
6213. 0
6213. 1

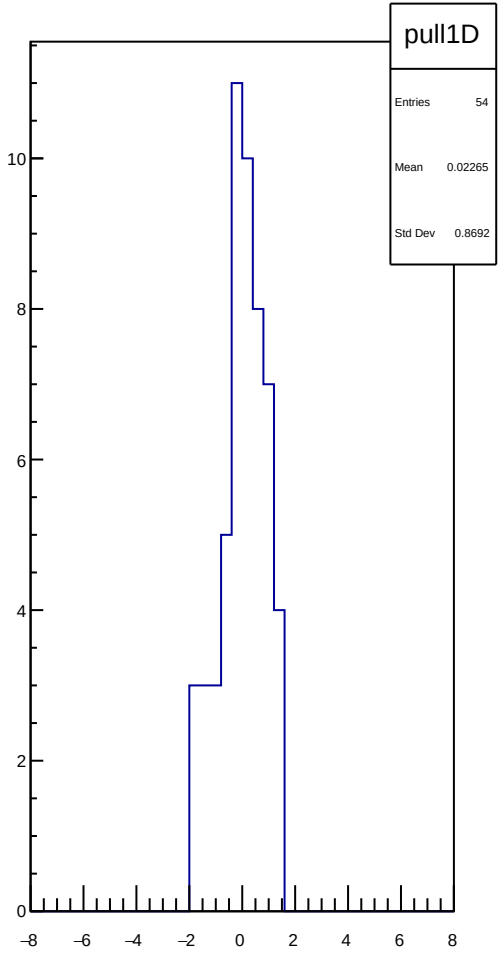

asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 53.18 / 53
p0 −0.1785 ± 0.1487
pull
Entries 54
Mean 913.8
Std Dev 0
pull1D
Entries 54
Mean −0.00197
Std Dev 0.9923

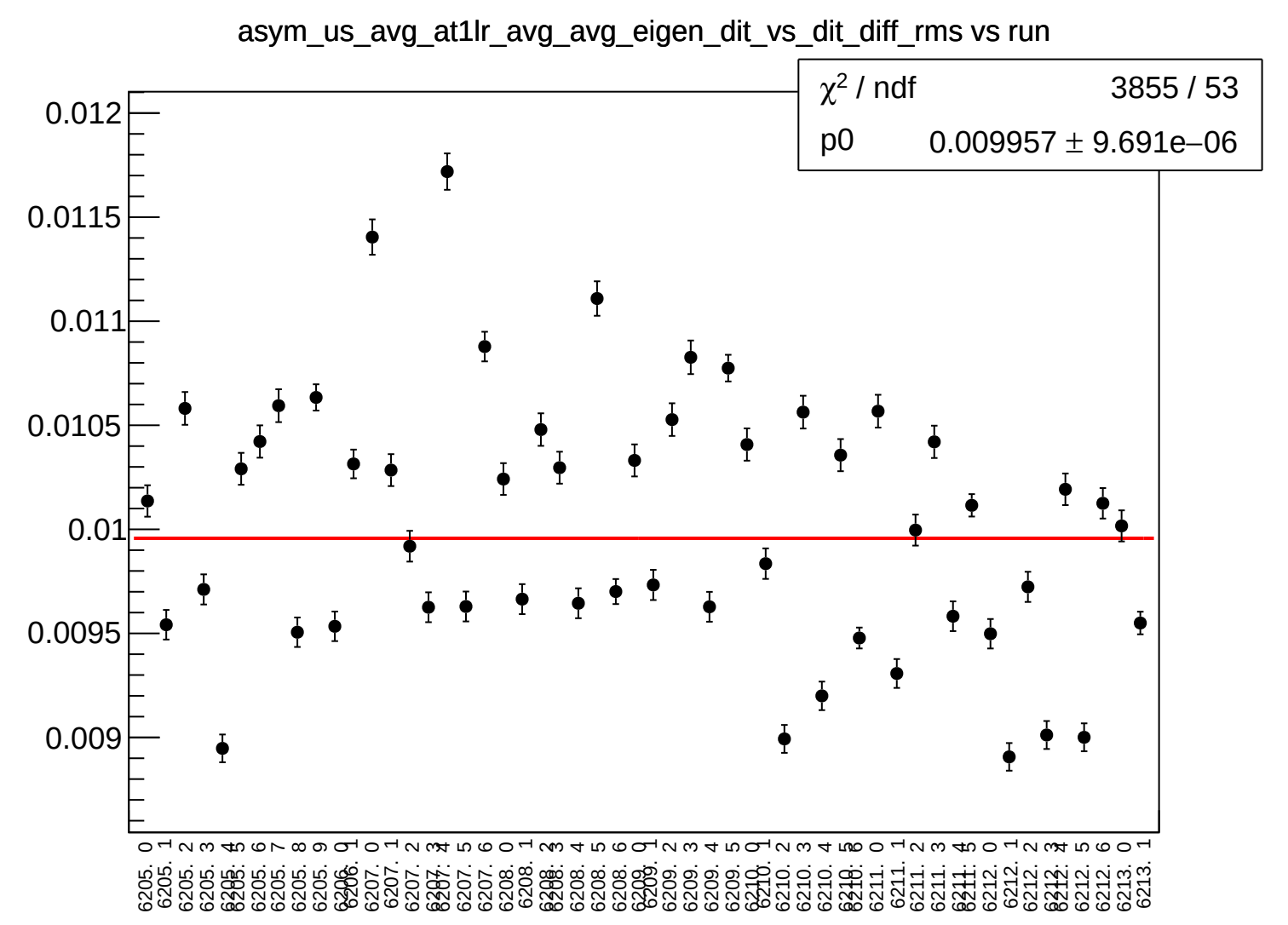

asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 2.151e+05 / 53
p0 96.62 ± 0.1051
300
250
200
150
100
50
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 1
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

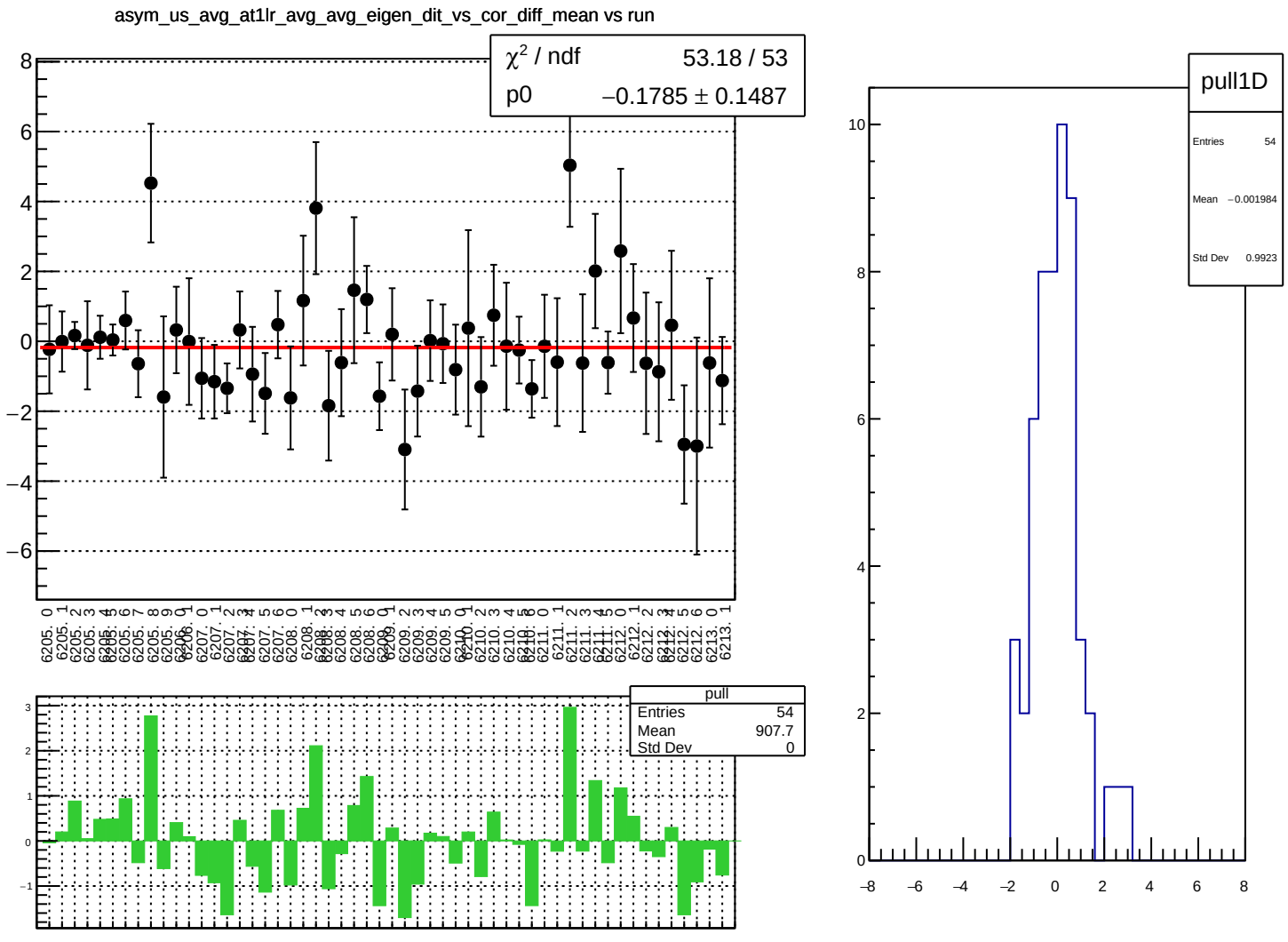

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 53.18 / 53
p0 −0.1785 ± 0.1487
pull
Entries 54
Mean 913.8
Std Dev 0
pull1D
Entries 54
Mean −0.00197
Std Dev 0.9923

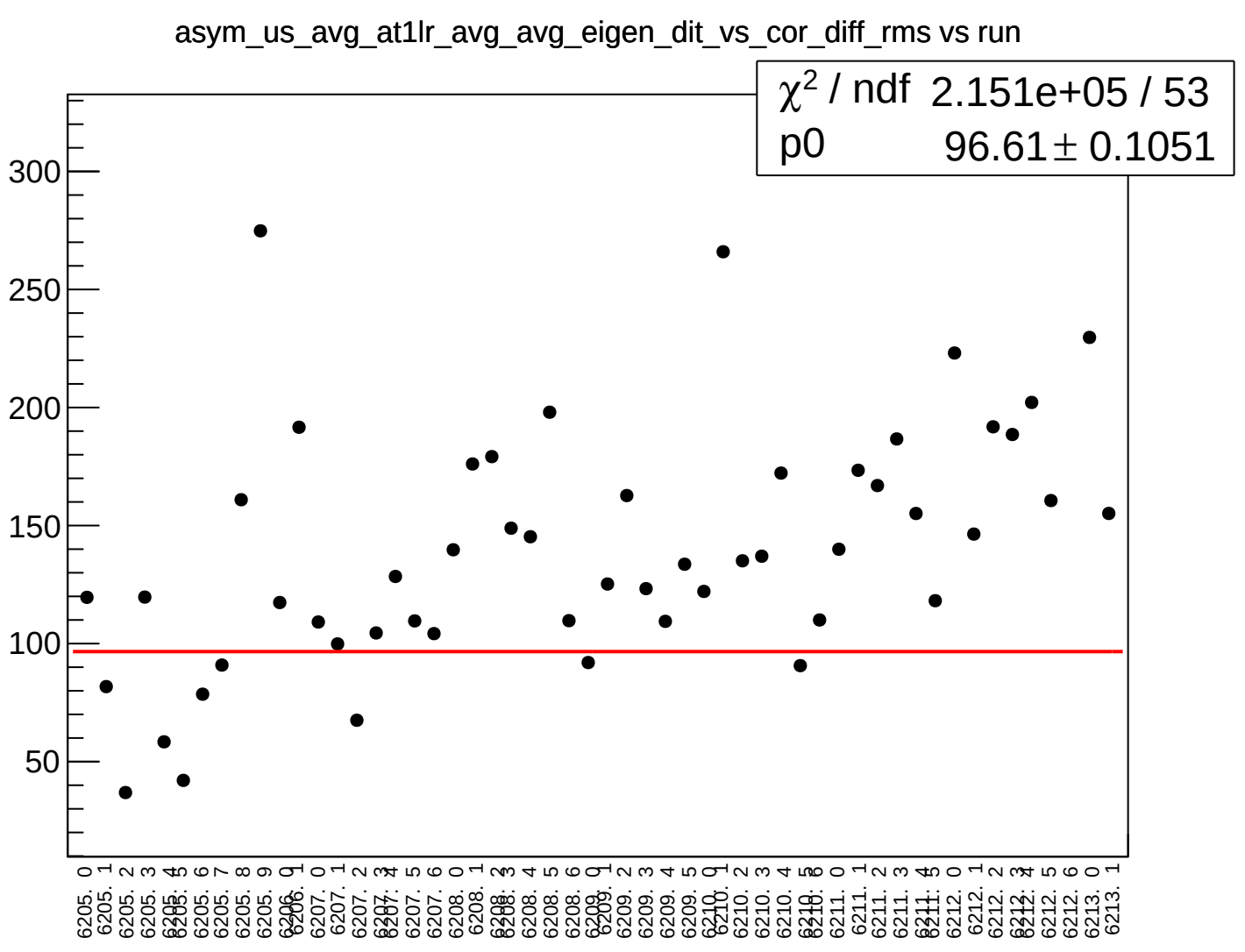

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.151e+05 / 53
p0 96.62 ± 0.1051
300
250
200
150
100
50
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

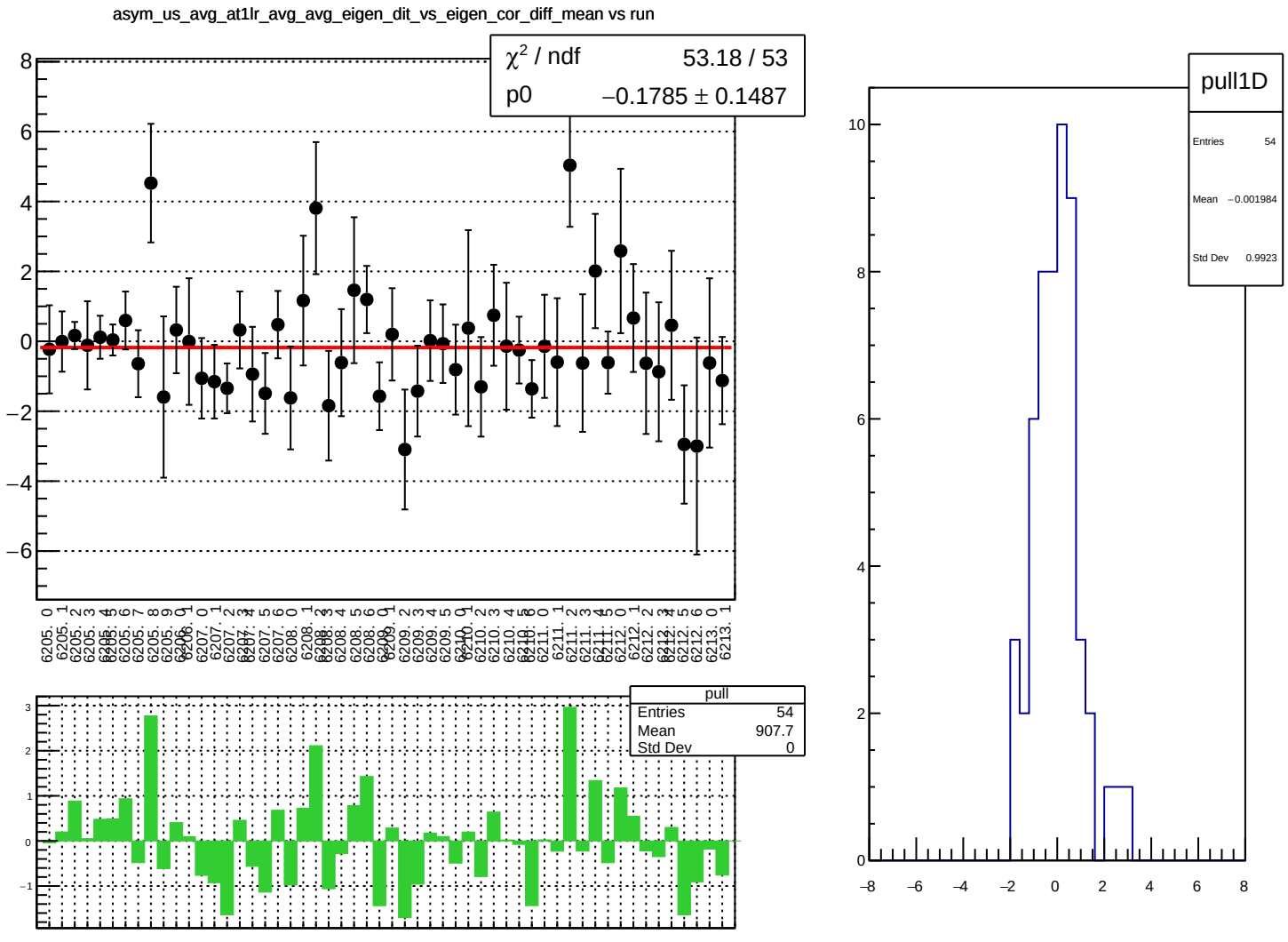

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 40.82 / 53
p0 −2.207e−06 ± 1.371e−05
pull
Entries 54
Mean 0.67
Std Dev 0

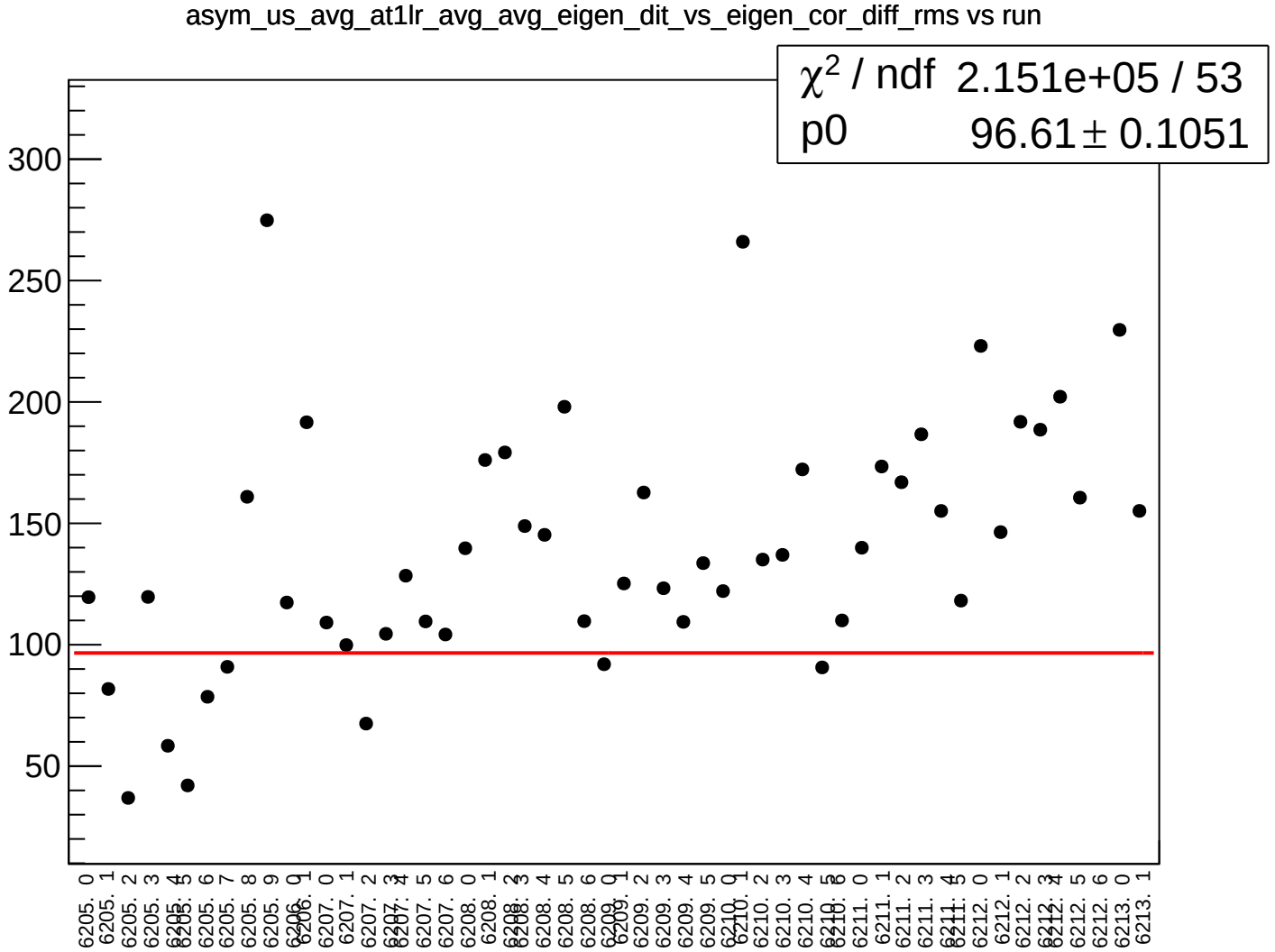

pull1D
Entries 54
Mean 0.02265
Std Dev 0.8692

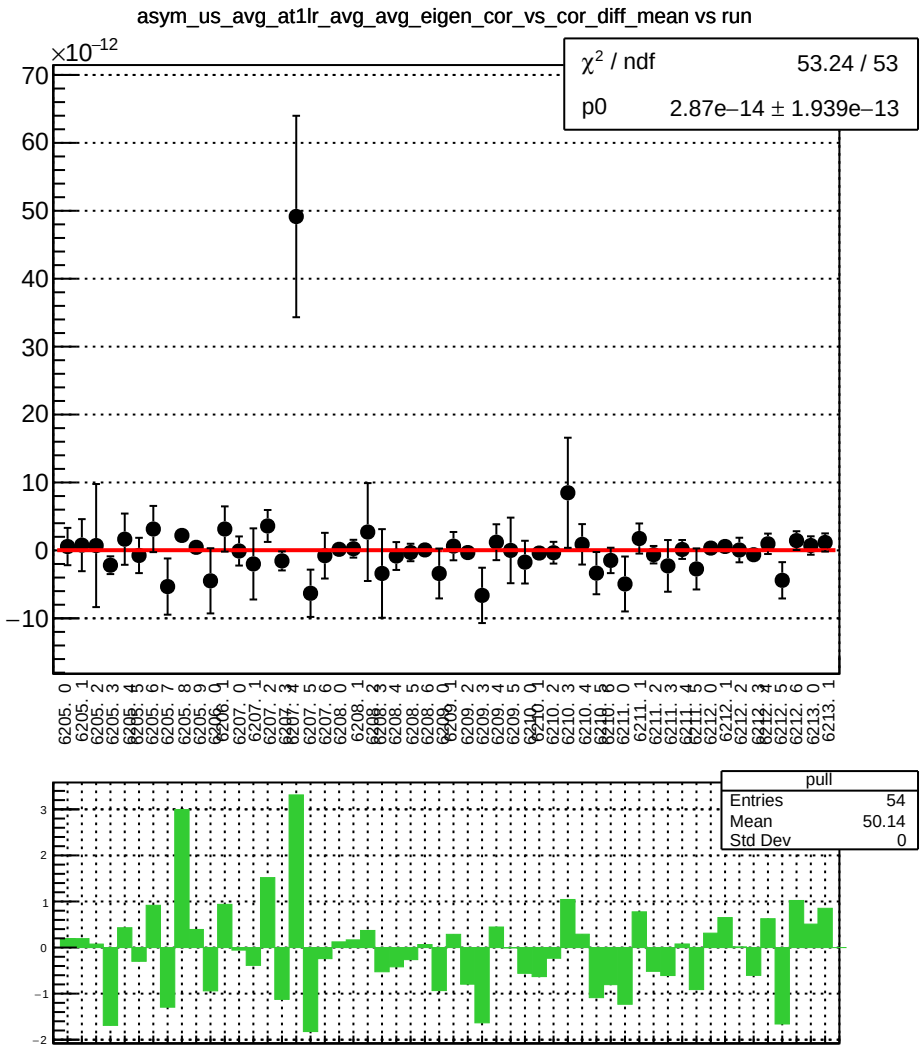

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3855 / 53
p0 0.009957 ± 9.691e−06
0.012
0.0115
0.011
0.0105
0.01
0.0095
0.009
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

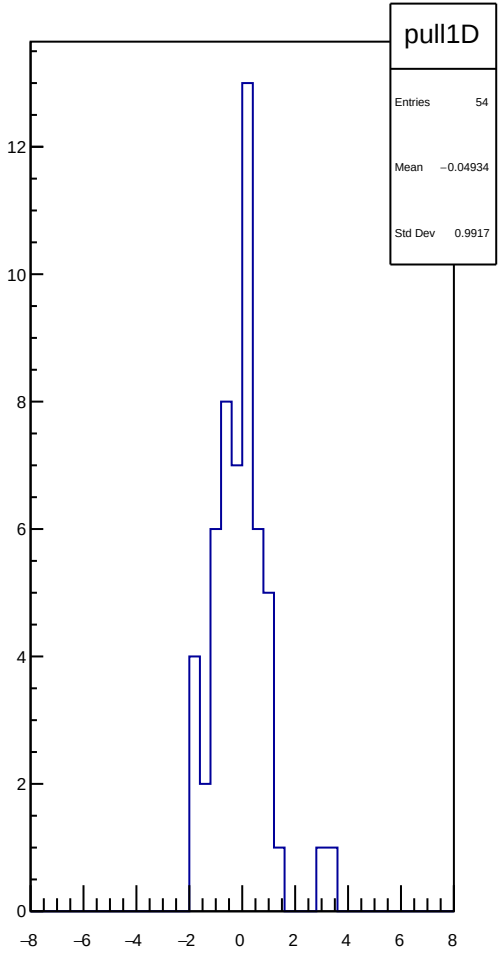

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 53.18 / 53
p0 −0.1785 ± 0.1487
pull
Entries 54
Mean 907.7
Std Dev 0
pull1D
Entries 54
Mean −0.001984
Std Dev 0.9923

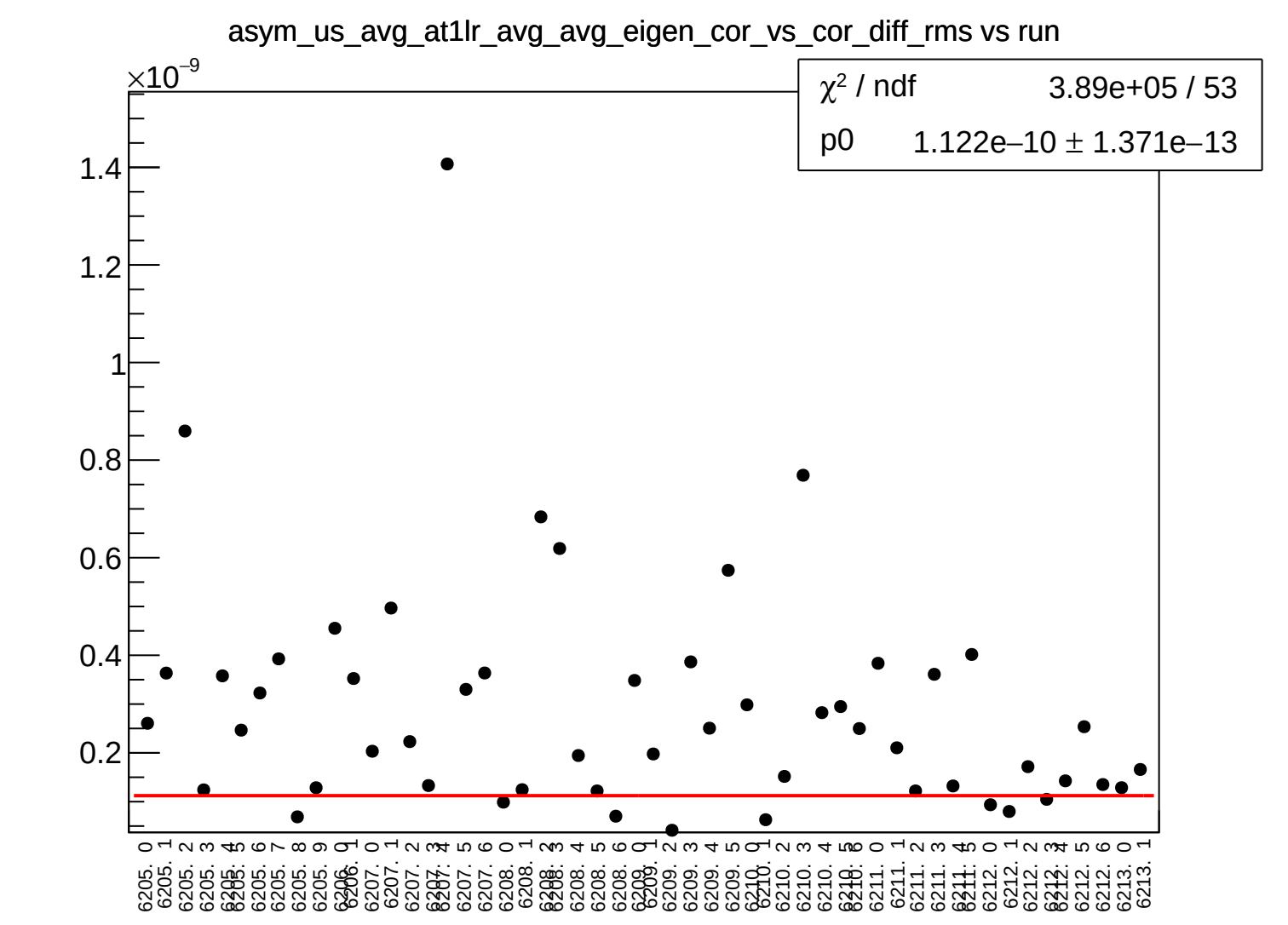

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.151e+05 / 53
p0 96.61 ± 0.1051
300
250
200
150
100
50
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

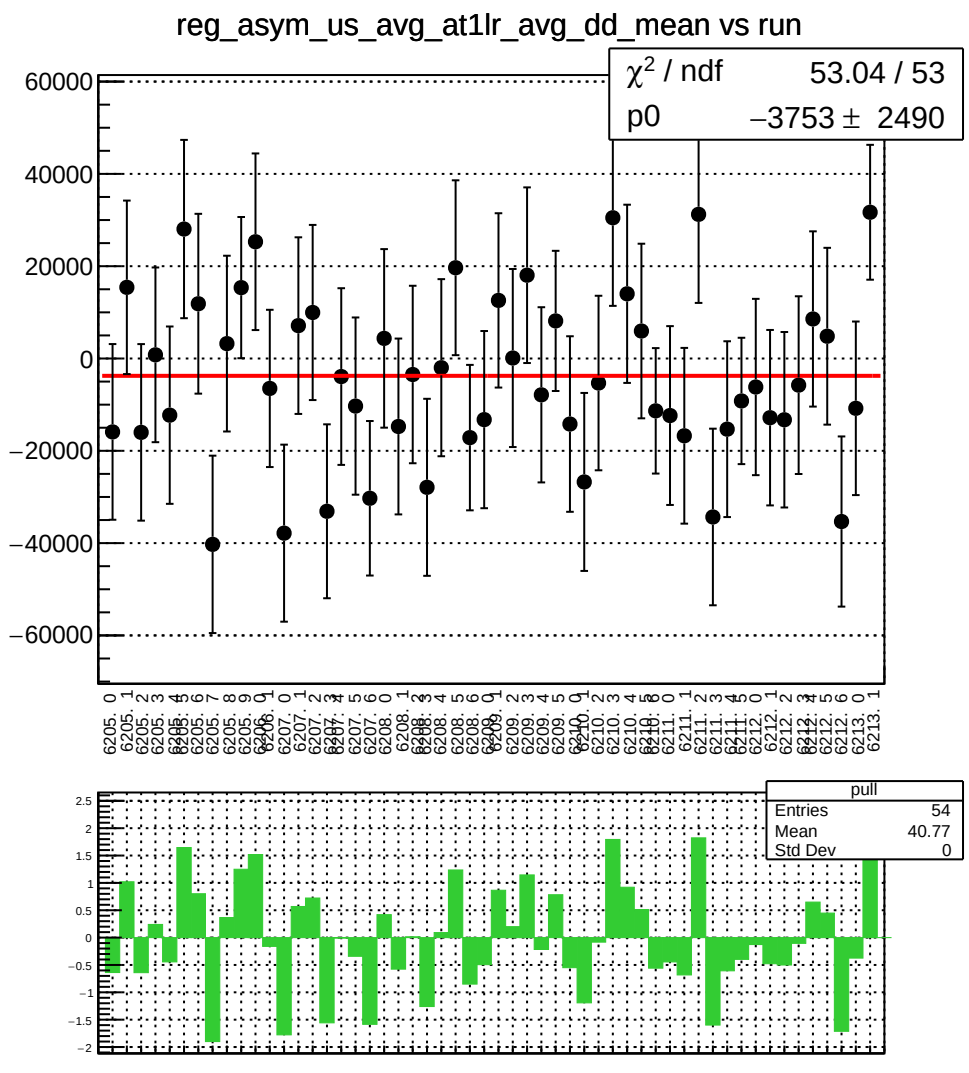

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 53.18 / 53
p0 −0.1785 ± 0.1487
pull
Entries 54
Mean 907.7
Std Dev 0
pull1D
Entries 54
Mean −0.001984
Std Dev 0.9923

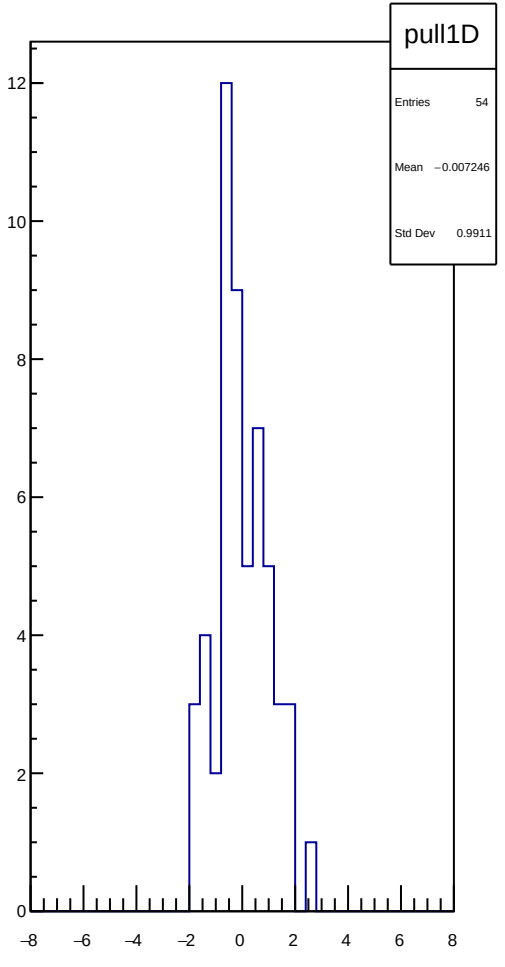

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.151e+05 / 53
p0 96.61 ± 0.1051
300
250
200
150
100
50
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

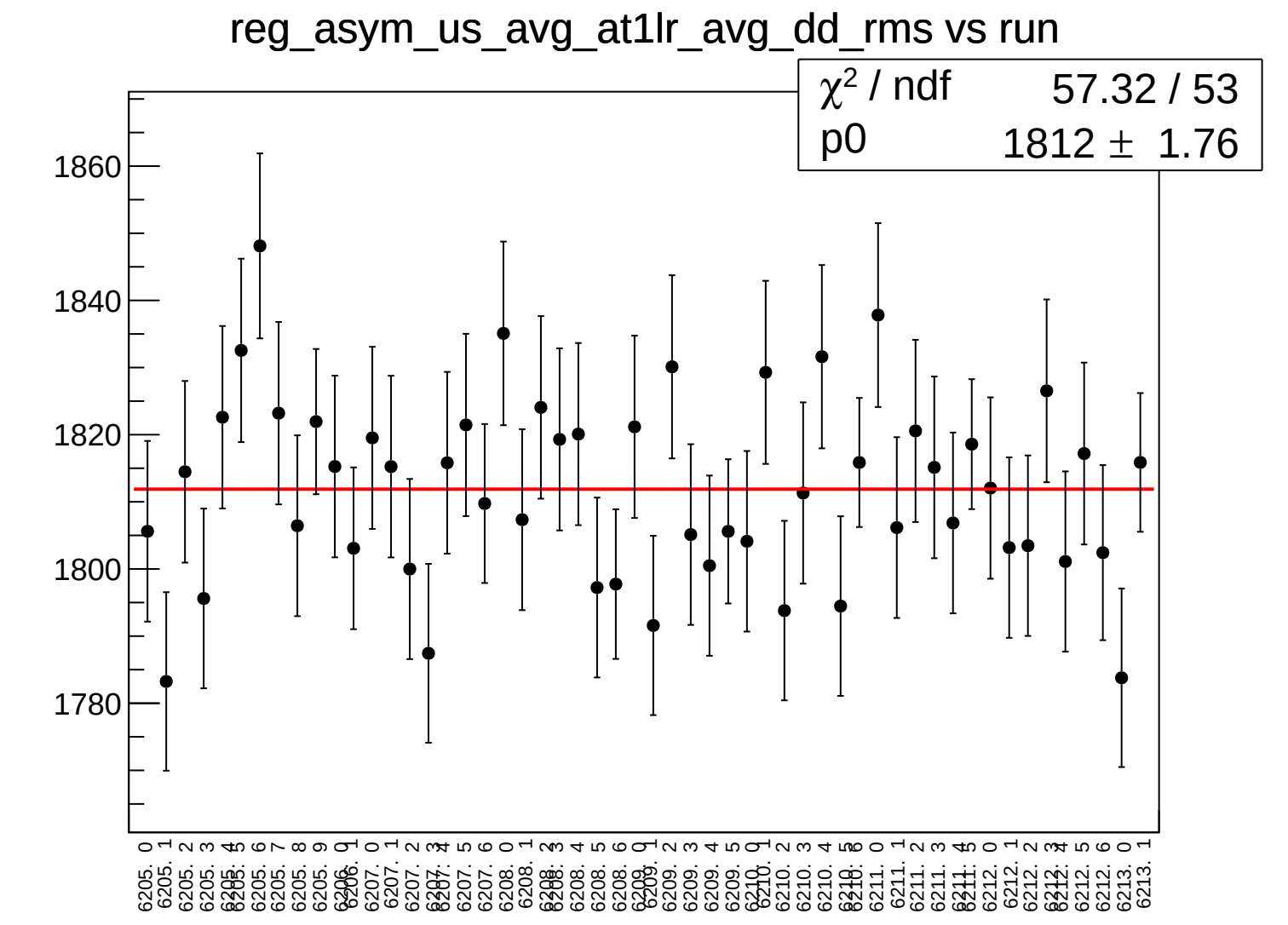

asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 53.24 / 53
p0 2.87e−14 ± 1.939e−13
pull
Entries 54
Mean 50.14
Std Dev 0

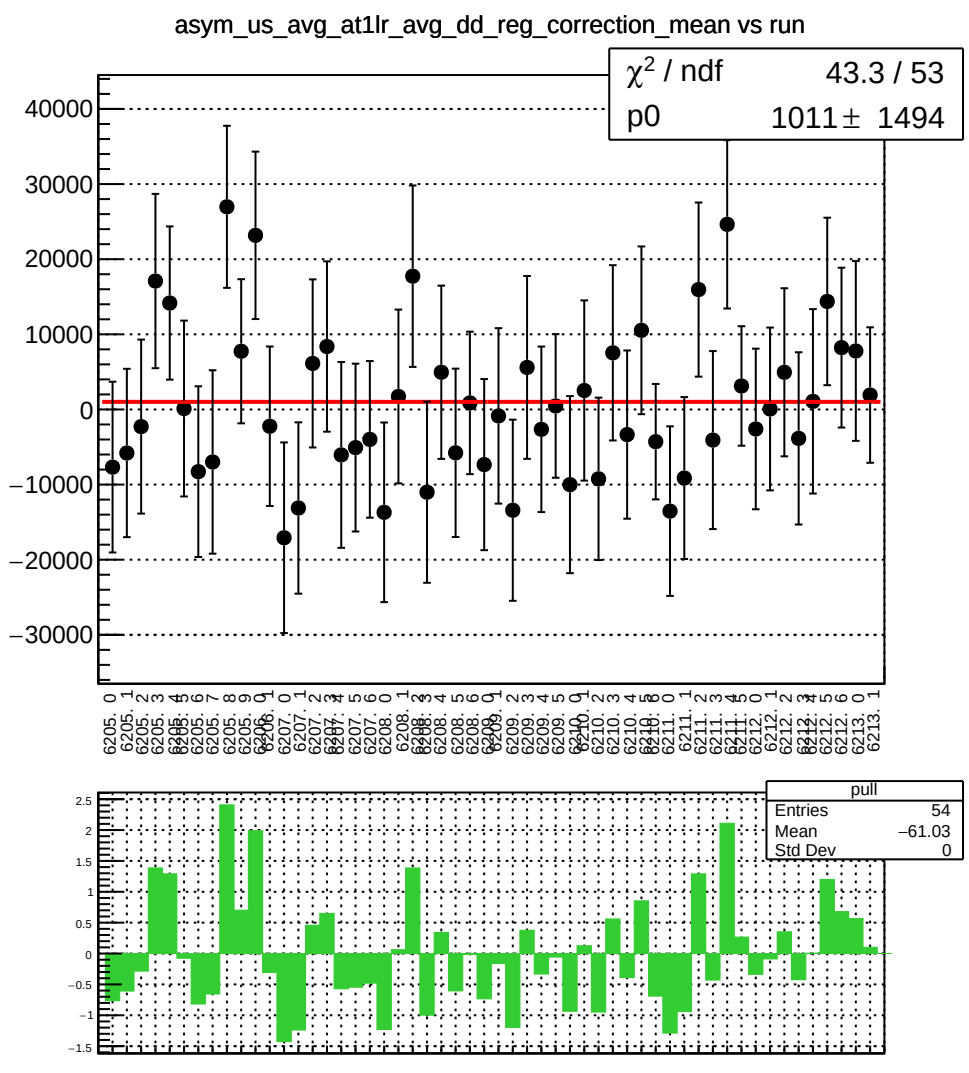

pull1D
Entries 54
Mean −0.04934
Std Dev 0.9917

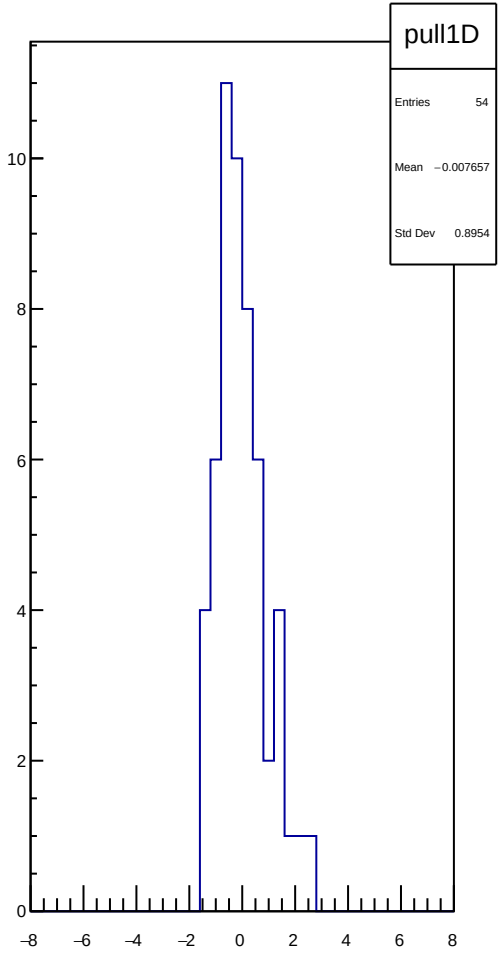

asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.89e+05 / 53
p0 1.122e−10 ± 1.371e−13
1.4
1.2
1
0.8
0.6
0.4
0.2
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

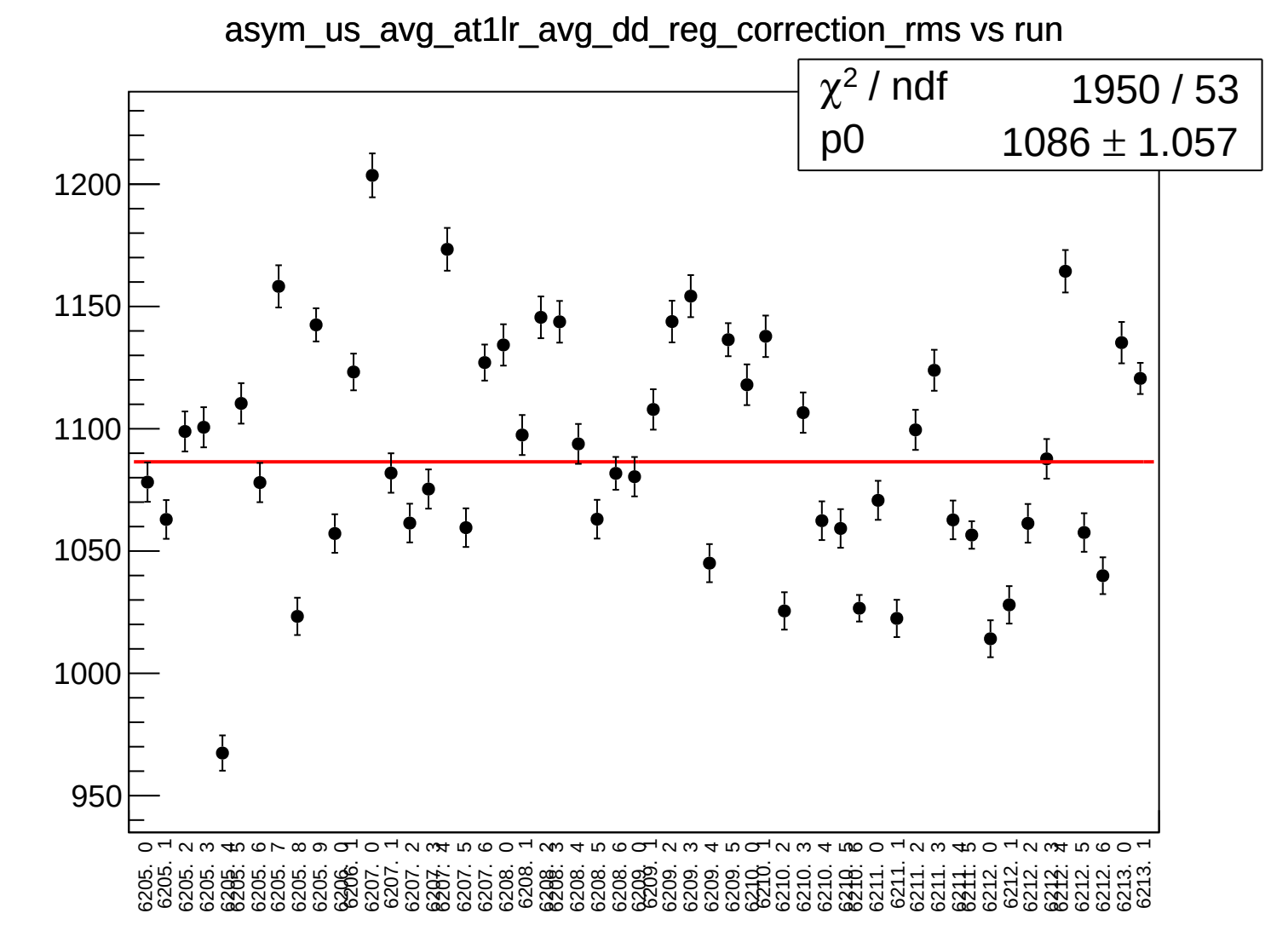

reg_asym_us_avg_at1lr_avg_dd_mean vs run
χ² / ndf 53.04 / 53
p0 −3753 ± 2490
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 40.77
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

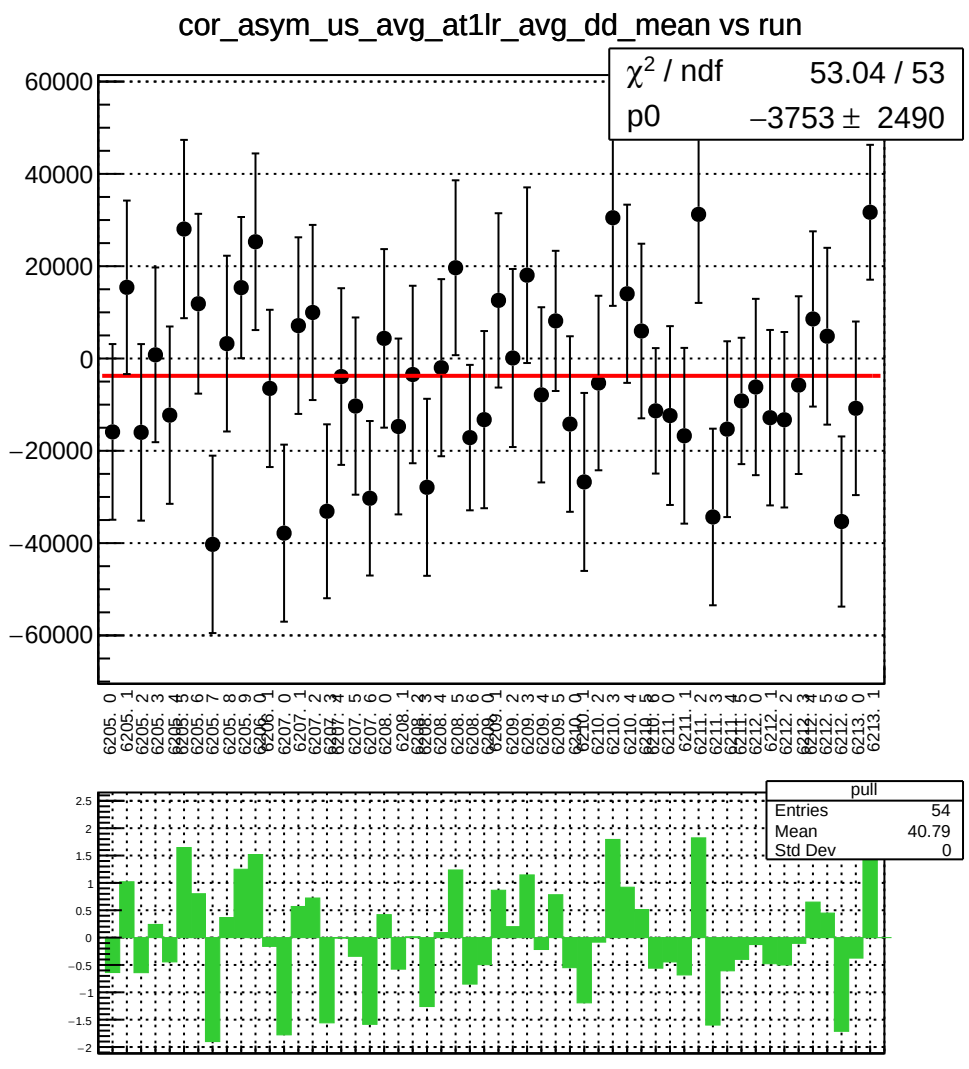

pull1D
Entries 54
Mean −0.007246
Std Dev 0.9911
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

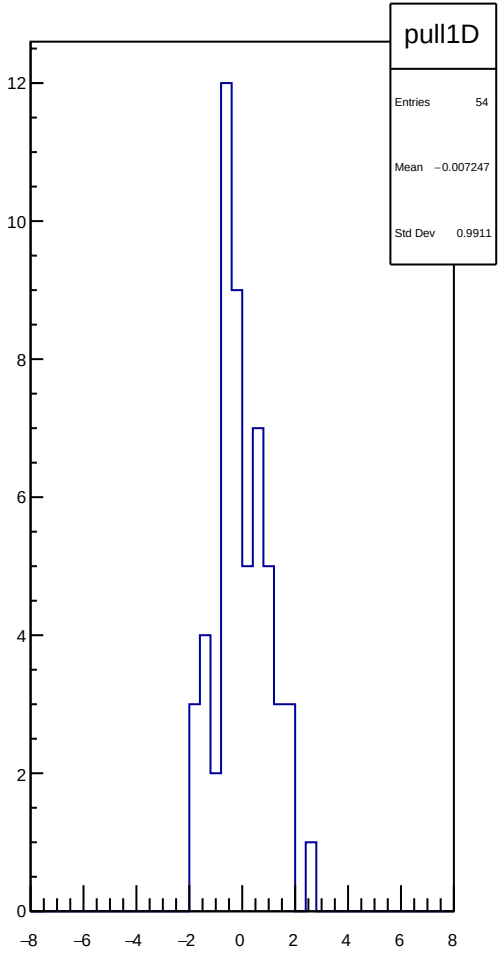

reg_asym_us_avg_at1lr_avg_dd_rms vs run
χ² / ndf 57.32 / 53
p0 1812 ± 1.76
1860
1840
1820
1800
1780
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

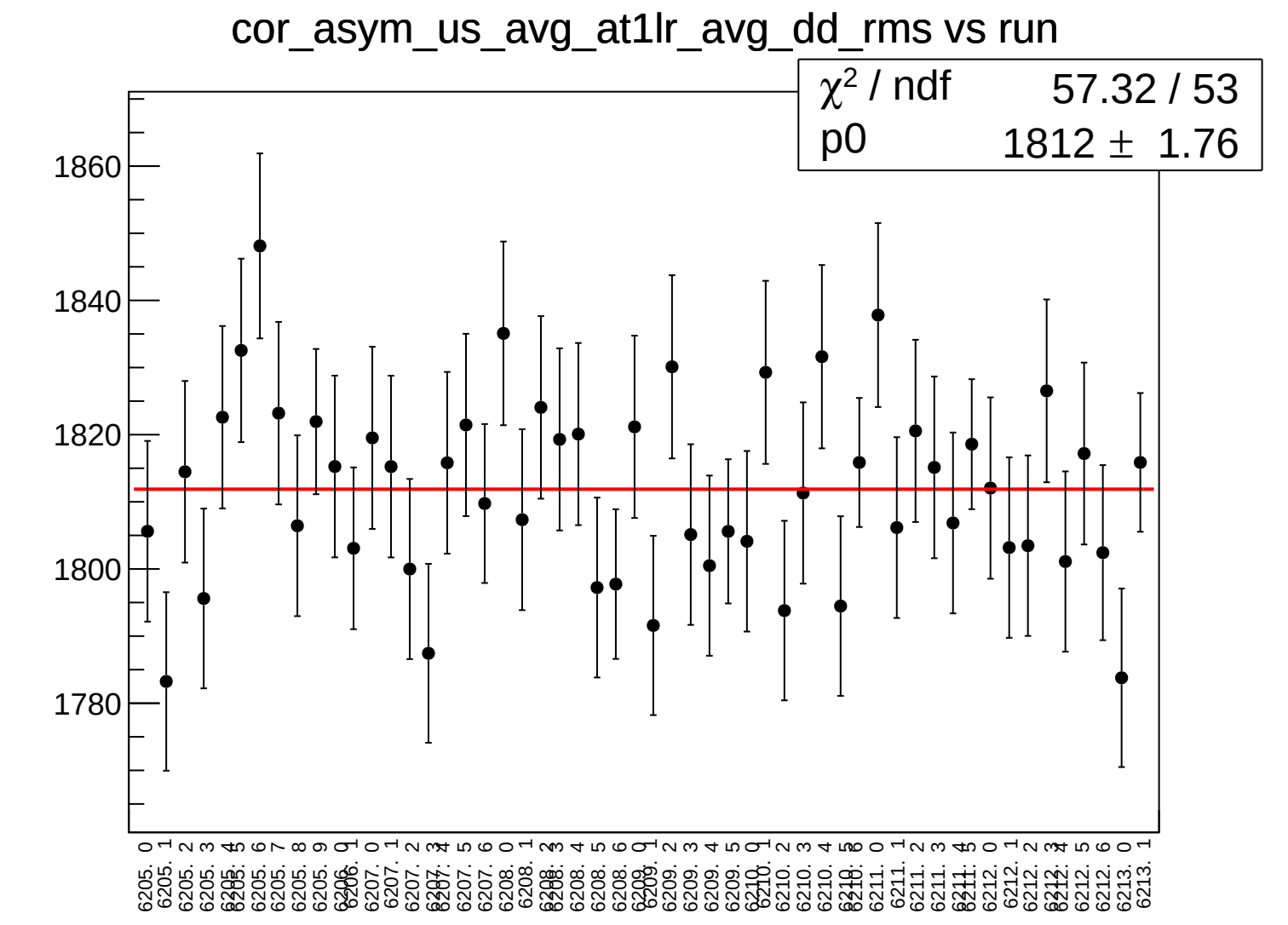

asym_us_avg_at1lr_avg_dd_reg_correction_mean vs run
χ² / ndf 43.3 / 53
p0 1011 ± 1494
pull
Entries 54
Mean −61.03
Std Dev 0

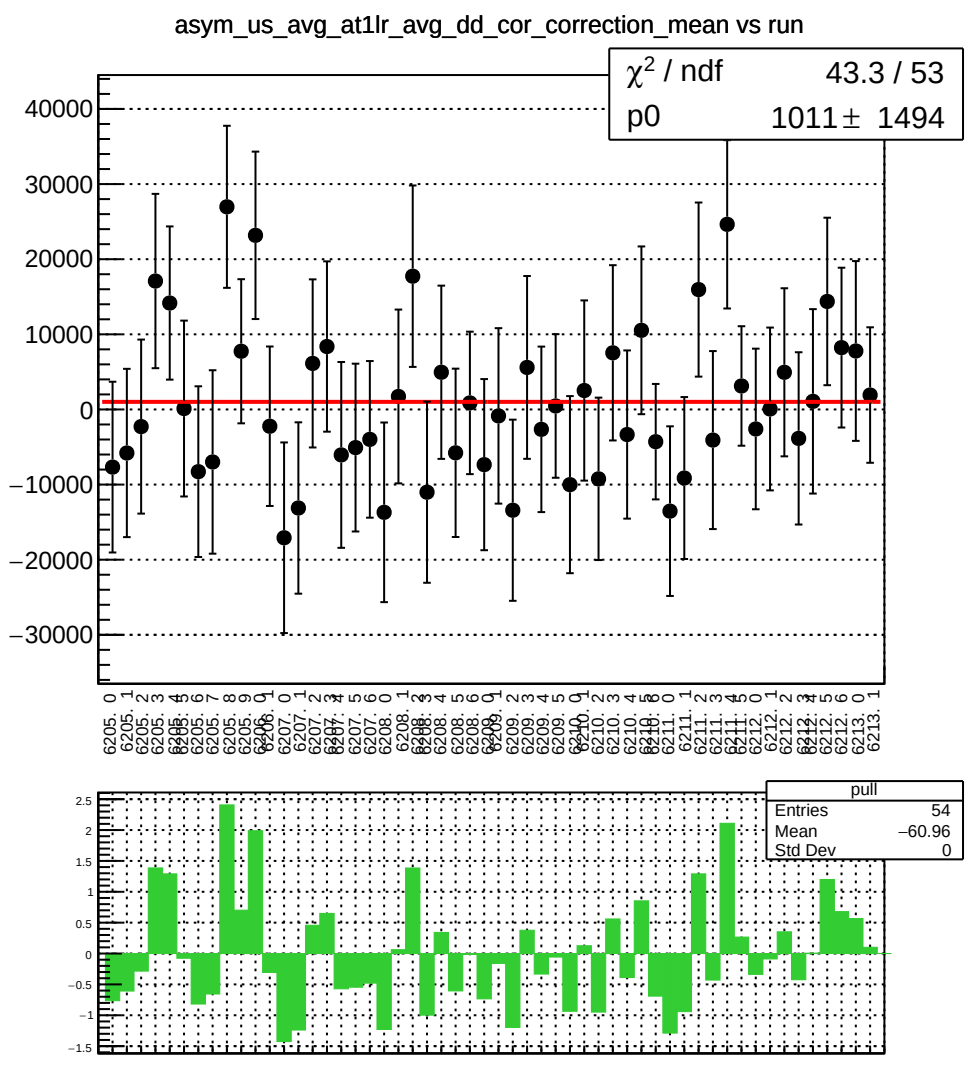

pull1D
Entries 54
Mean −0.007657
Std Dev 0.8954

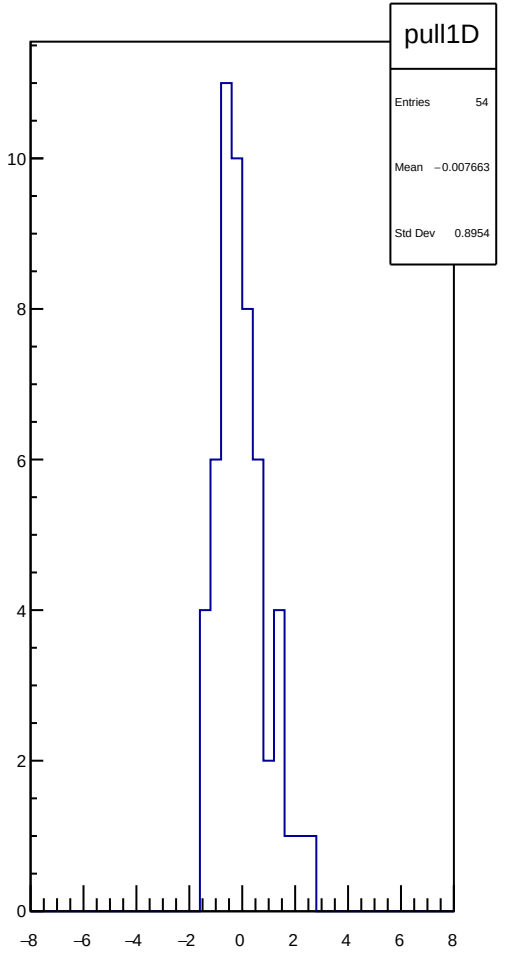

asym_us_avg_at1lr_avg_dd_reg_correction_rms vs run
χ² / ndf 1950 / 53
p0 1086 ± 1.057
1200
1150
1100
1050
1000
950
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

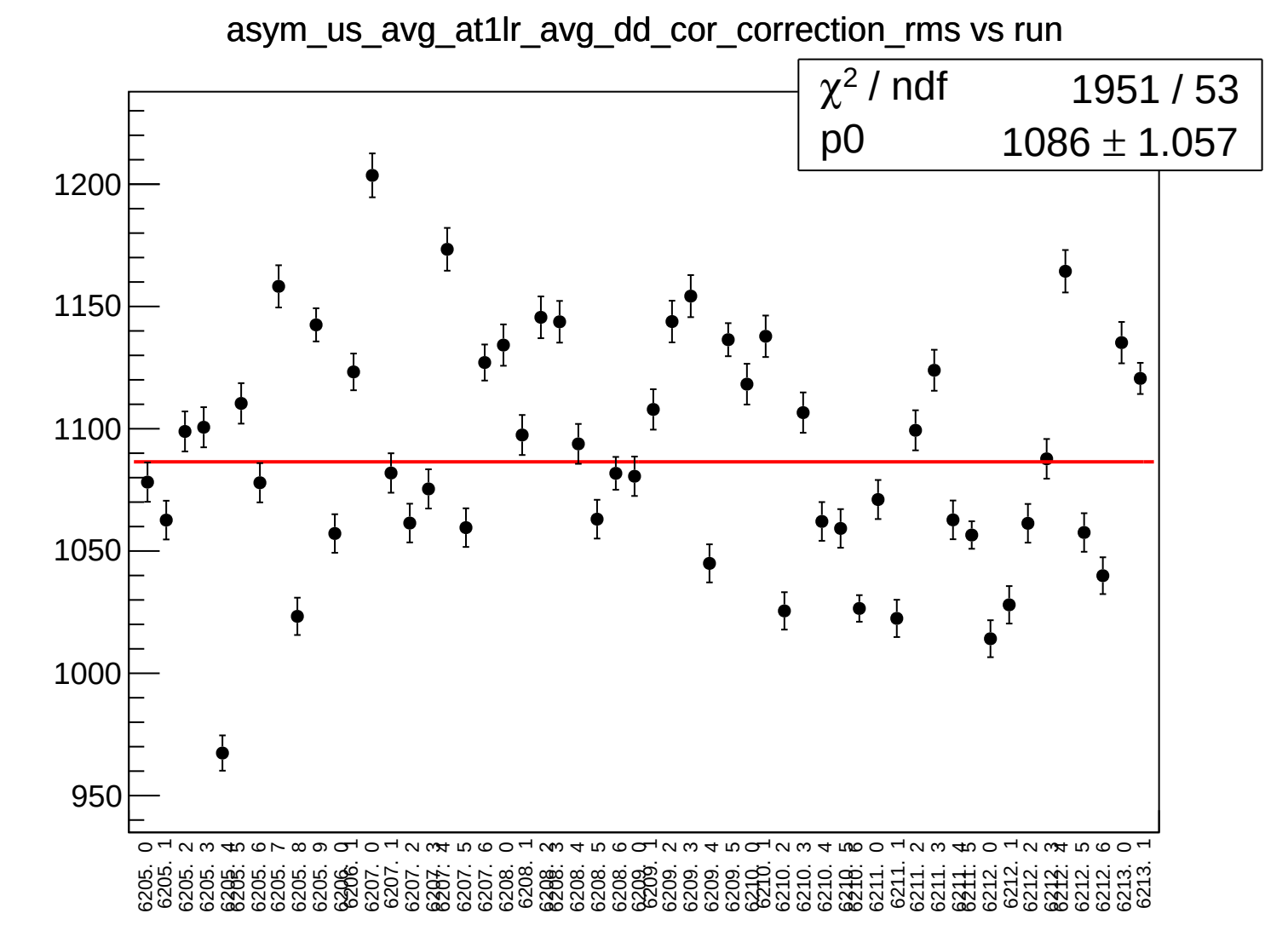

cor_asym_us_avg_at1lr_avg_dd_mean vs run
χ² / ndf 53.04 / 53
p0 −3753 ± 2490
pull
Entries 54
Mean 40.79
Std Dev 0


pull1D
Entries 54
Mean −0.007247
Std Dev 0.9911


cor_asym_us_avg_at1lr_avg_dd_rms vs run
χ² / ndf 57.32 / 53
p0 1812 ± 1.76
1860
1840
1820
1800
1780
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_us_avg_at1lr_avg_dd_cor_correction_mean vs run
χ² / ndf 43.3 / 53
p0 1011 ± 1494
pull
Entries 54
Mean −60.96
Std Dev 0


pull1D
Entries 54
Mean −0.007663
Std Dev 0.8954


asym_us_avg_at1lr_avg_dd_cor_correction_rms vs run
χ² / ndf 1951 / 53
p0 1086 ± 1.057
1200
1150
1100
1050
1000
950
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
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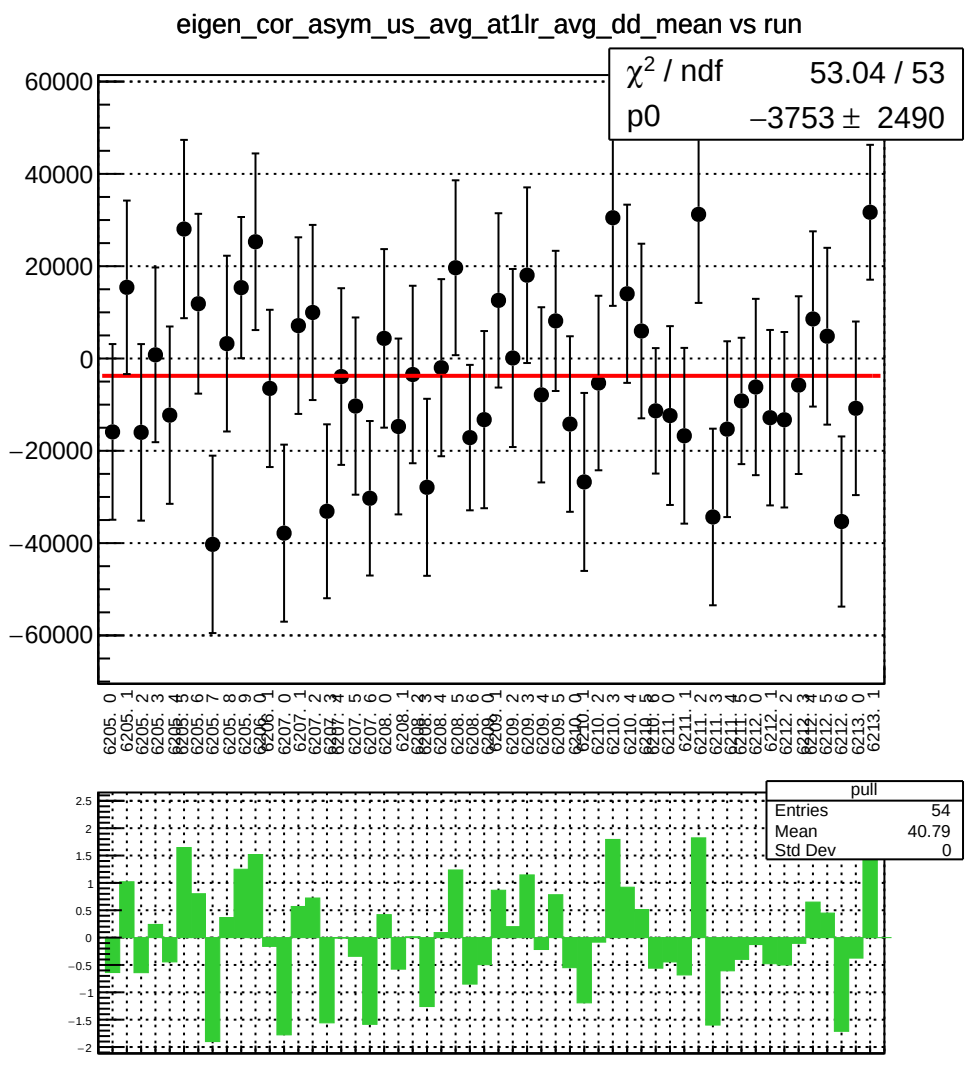
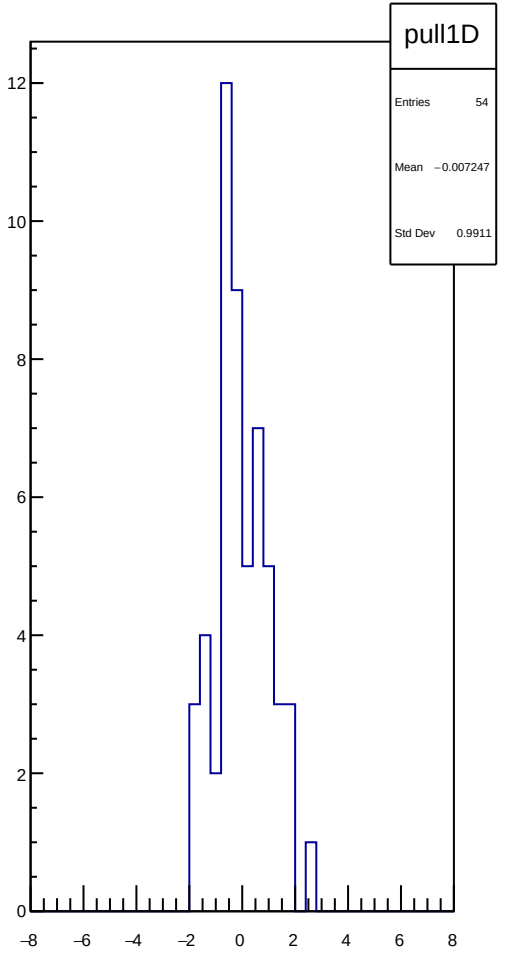
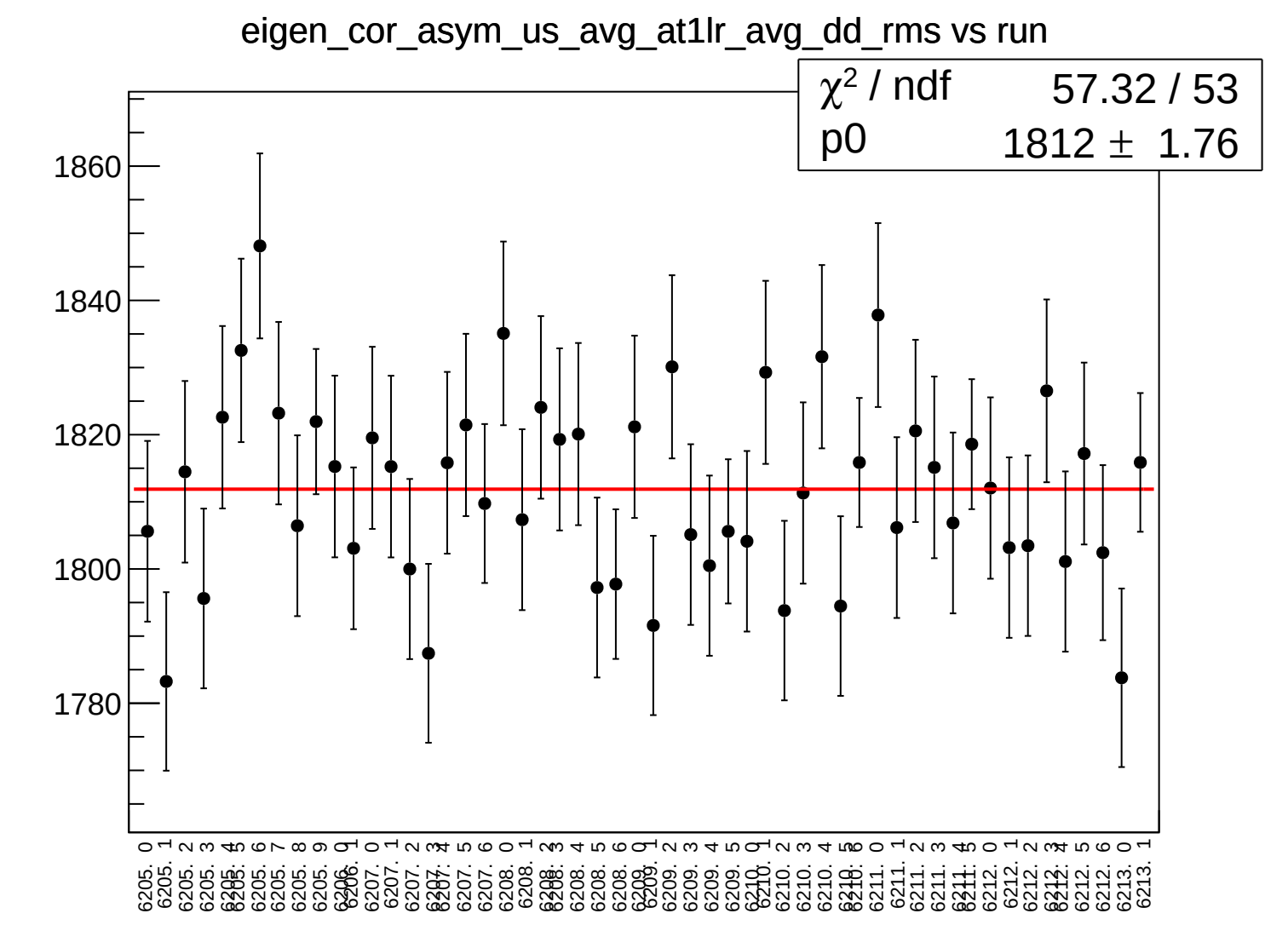
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


eigen_cor_asym_us_avg_at1lr_avg_dd_mean vs run
χ² / ndf 53.04 / 53
p0 −3753 ± 2490
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 40.79
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 54
Mean −0.007247
Std Dev 0.9911
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_us_avg_at1lr_avg_dd_rms vs run
χ² / ndf 57.32 / 53
p0 1812 ± 1.76
1860
1840
1820
1800
1780
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
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6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
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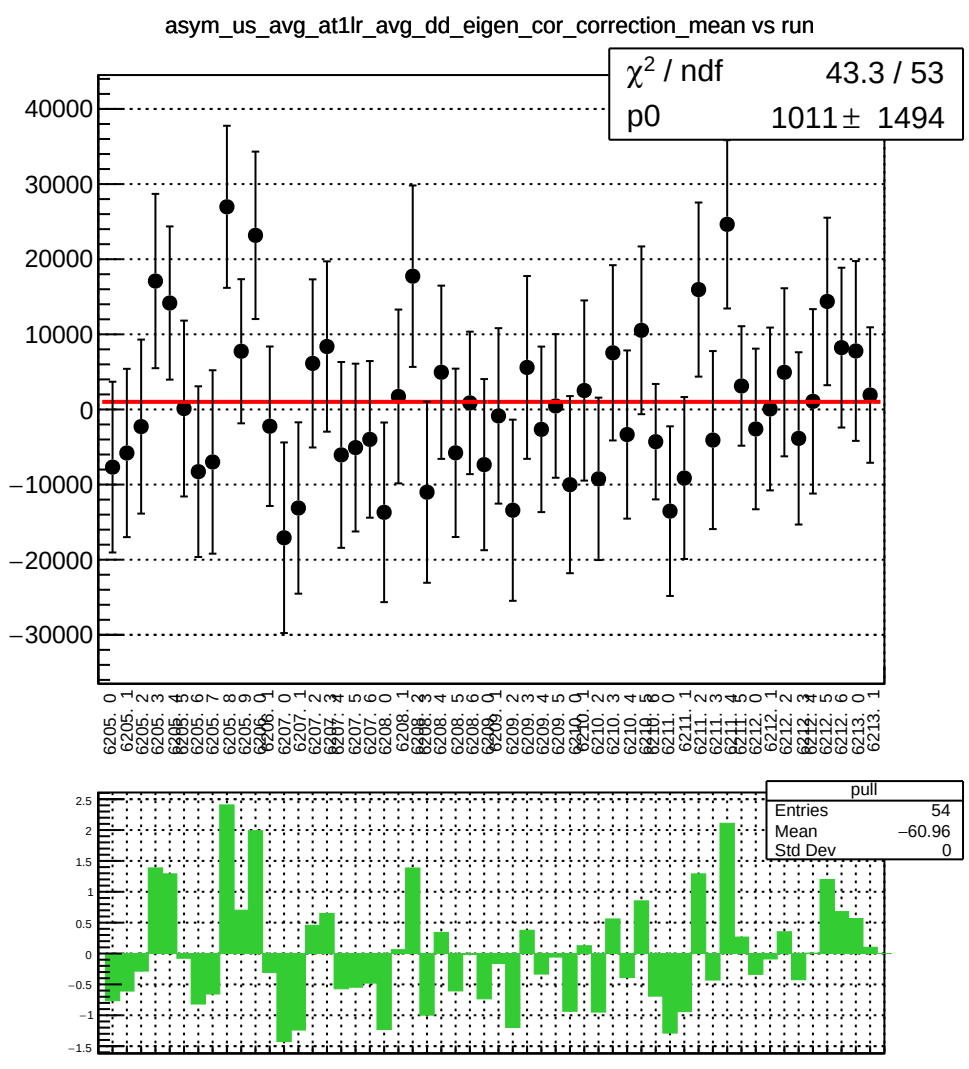
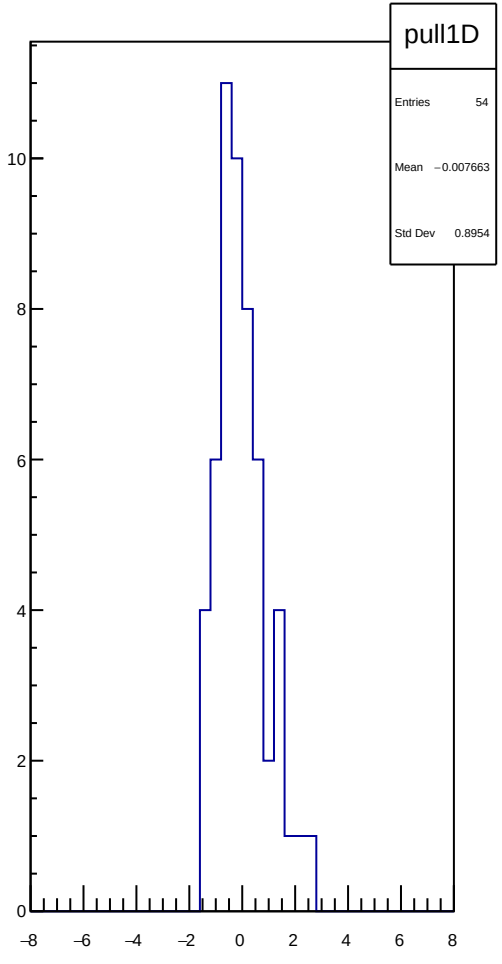
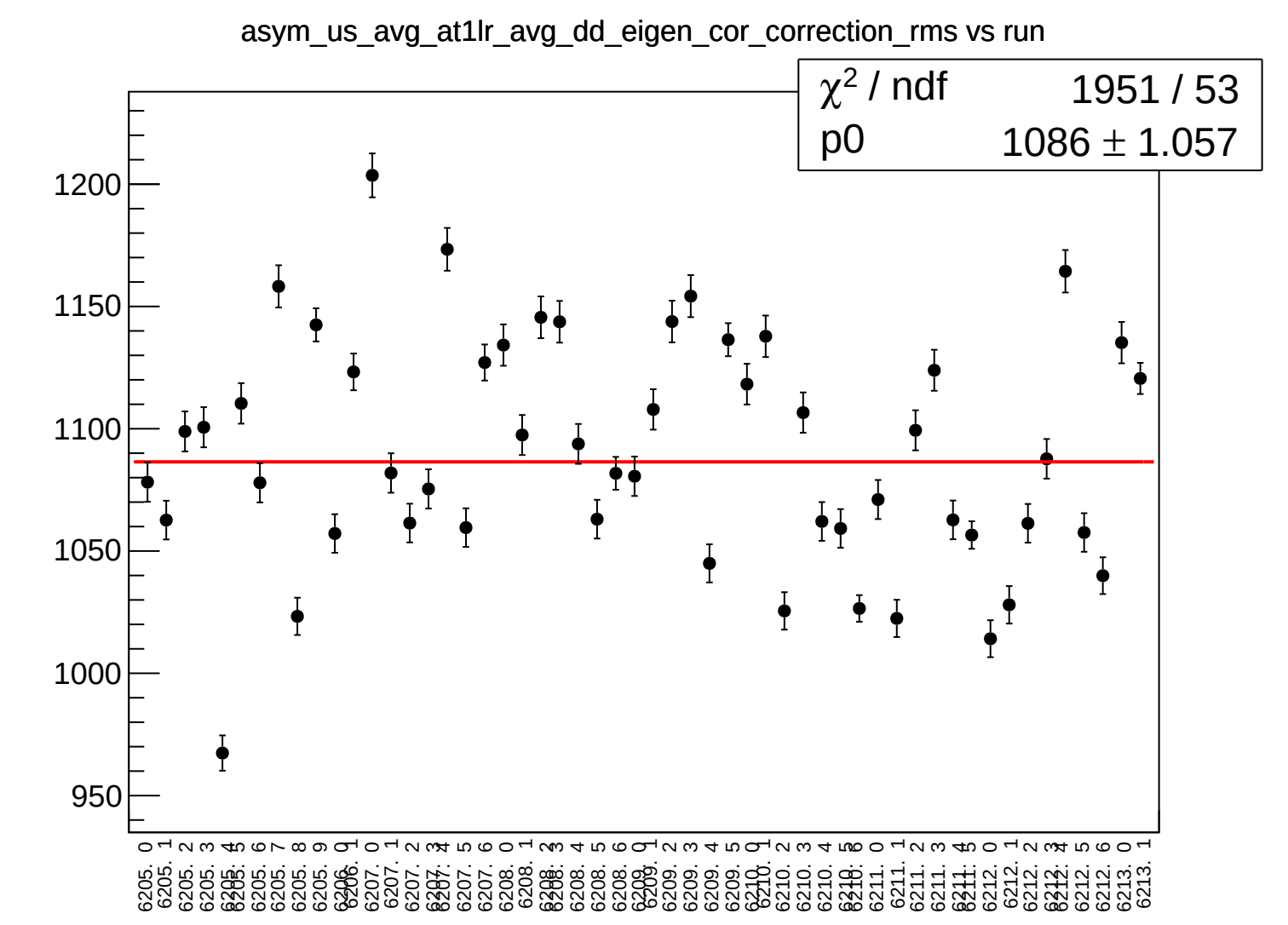
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_us_avg_at1lr_avg_dd_eigen_cor_correction_mean vs run
χ² / ndf 43.3 / 53
p0 1011 ± 1494
pull
Entries 54
Mean −60.96
Std Dev 0


pull1D
Entries 54
Mean −0.007663
Std Dev 0.8954


asym_us_avg_at1lr_avg_dd_eigen_cor_correction_rms vs run
χ² / ndf 1951 / 53
p0 1086 ± 1.057
1200
1150
1100
1050
1000
950
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
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6206. 1
6207. 0
6207. 1
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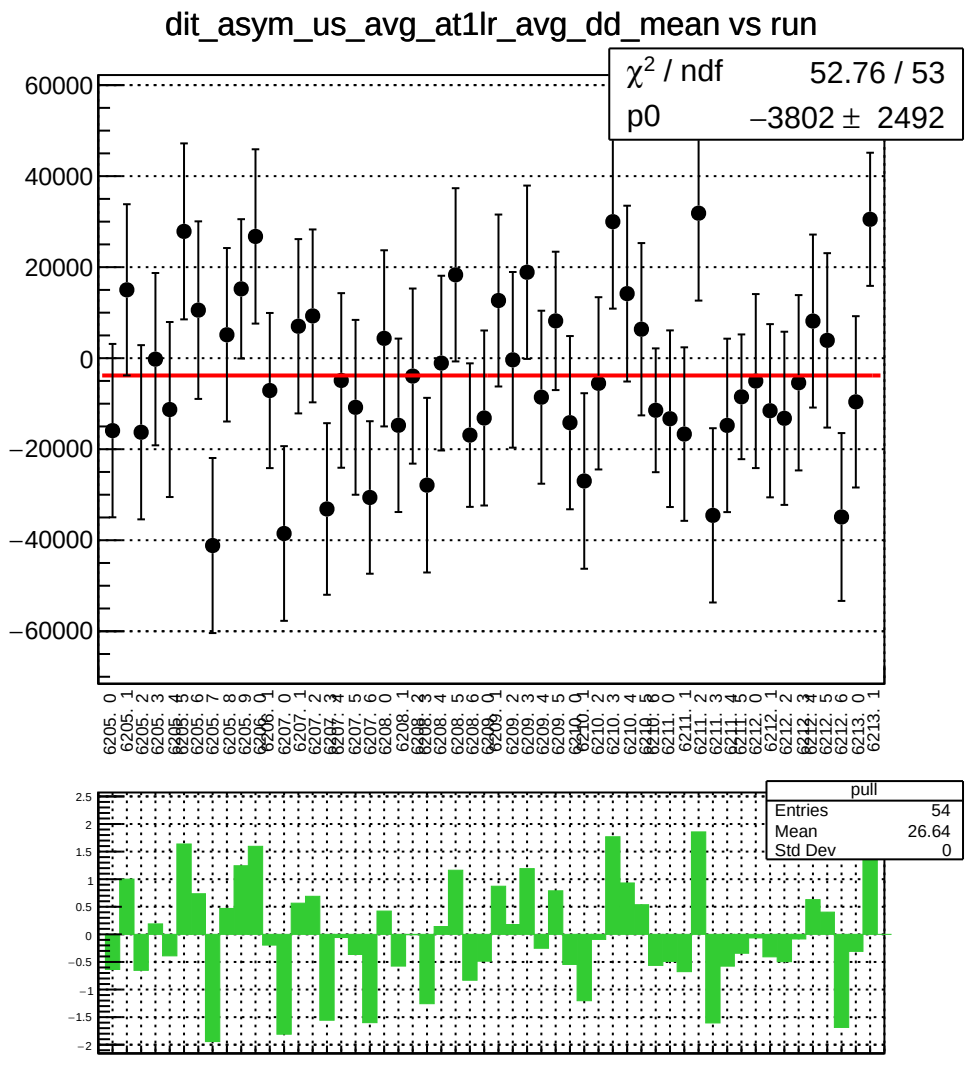
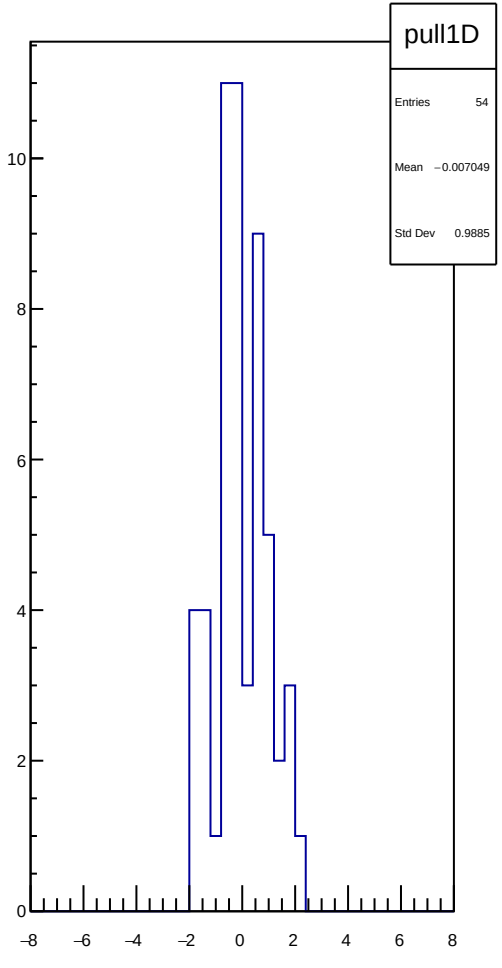
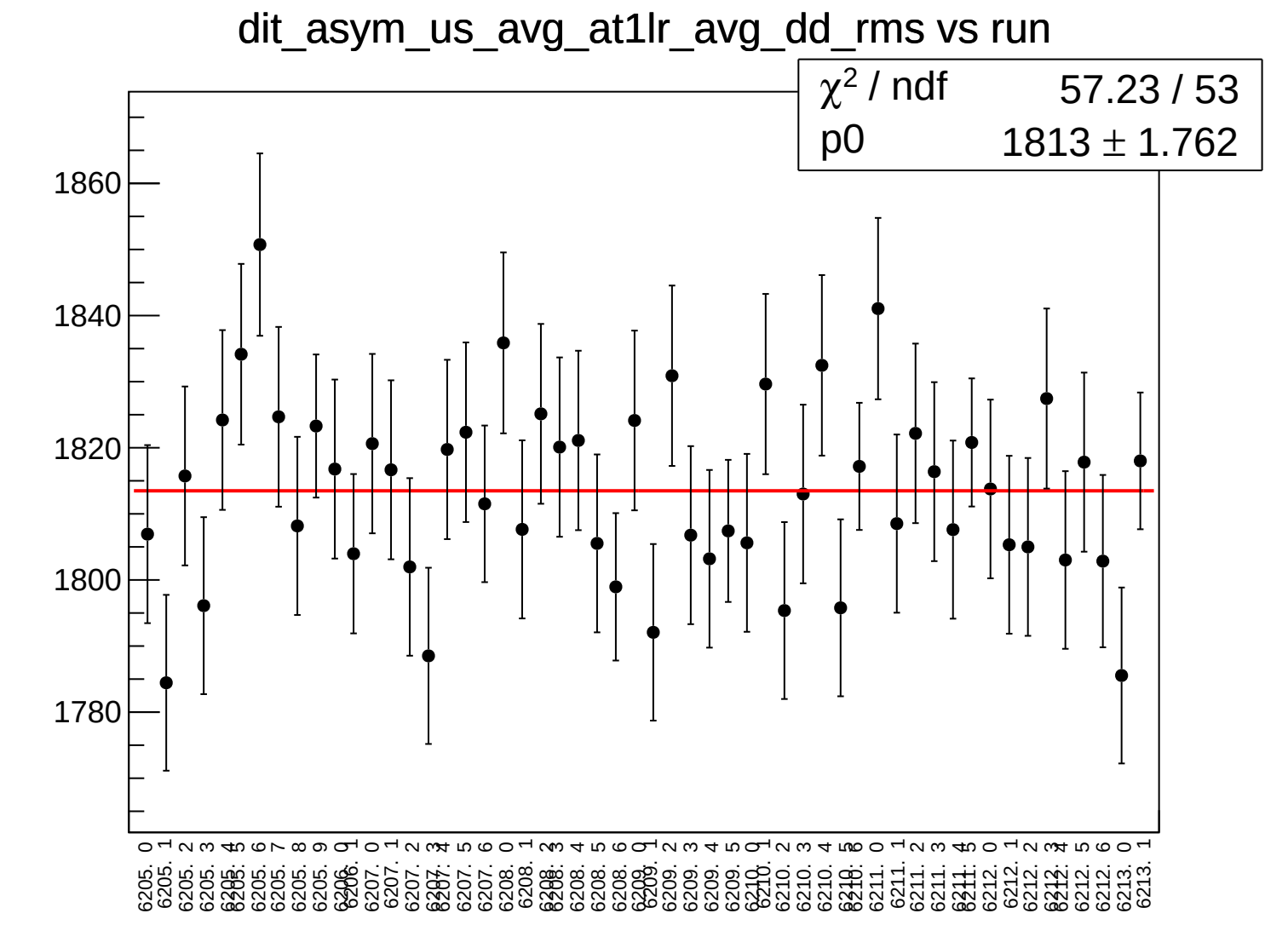
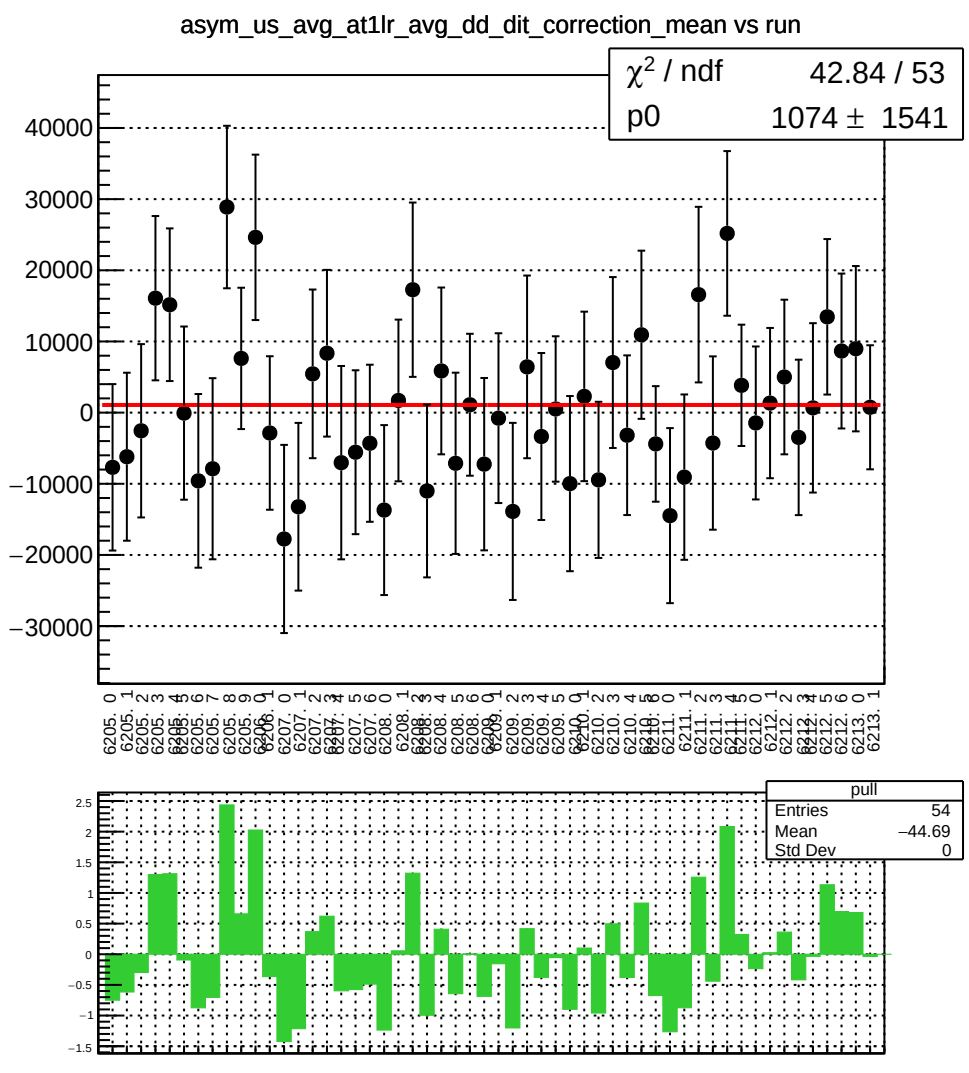
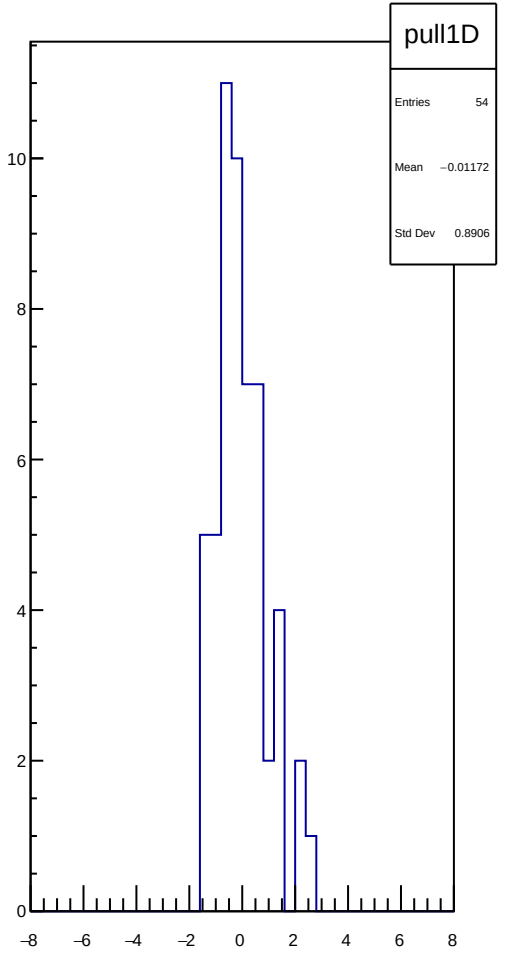
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

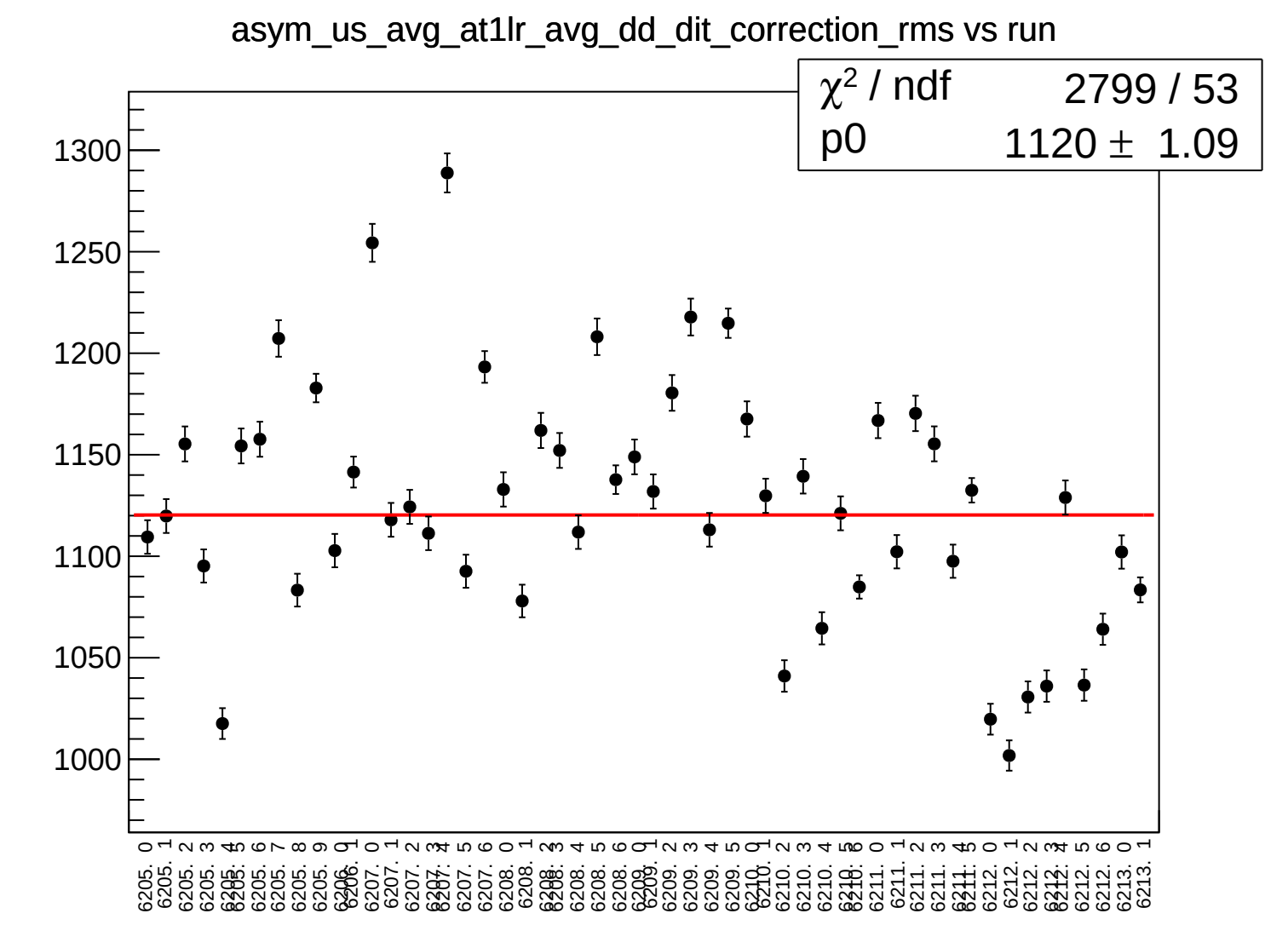

dit_asym_us_avg_at1lr_avg_dd_mean vs run
χ² / ndf 52.76 / 53
p0 −3802 ± 2492
pull
Entries 54
Mean 26.64
Std Dev 0

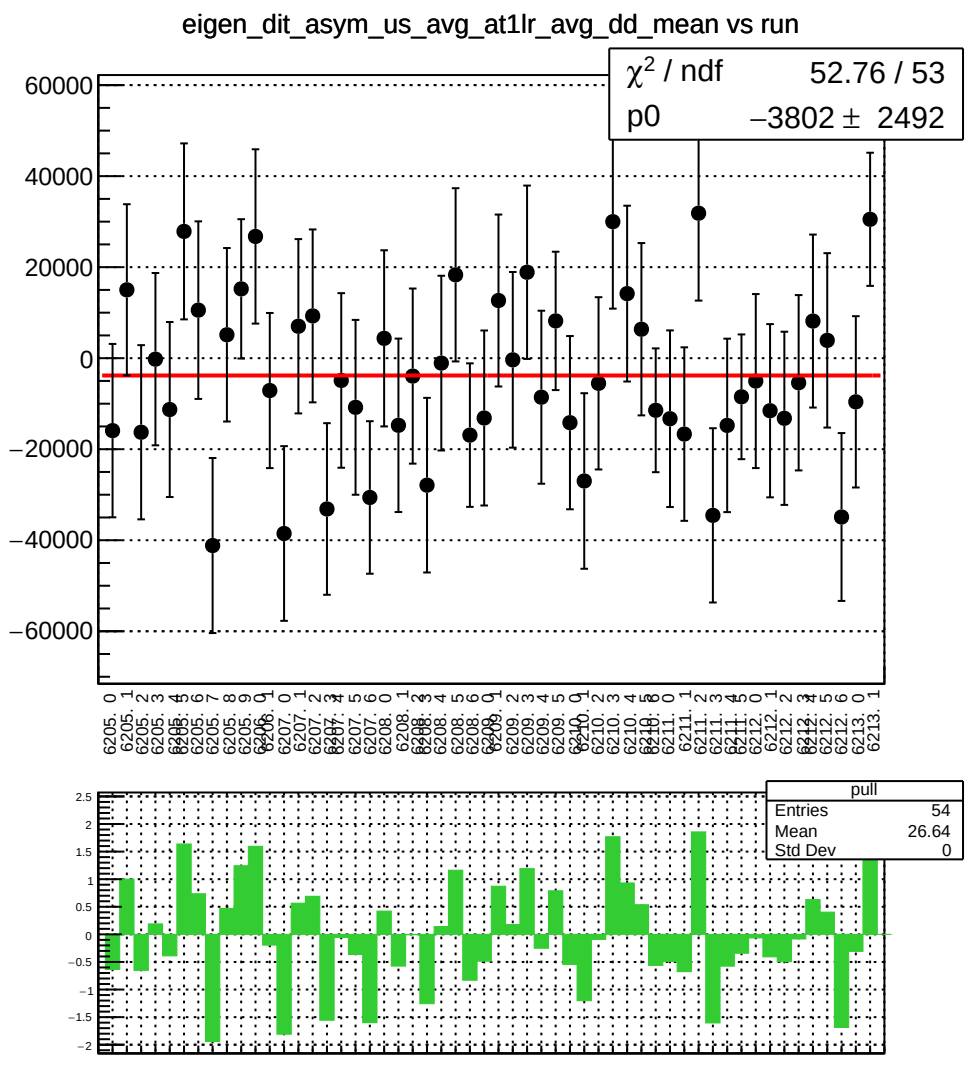

pull1D
Entries 54
Mean −0.007049
Std Dev 0.9885

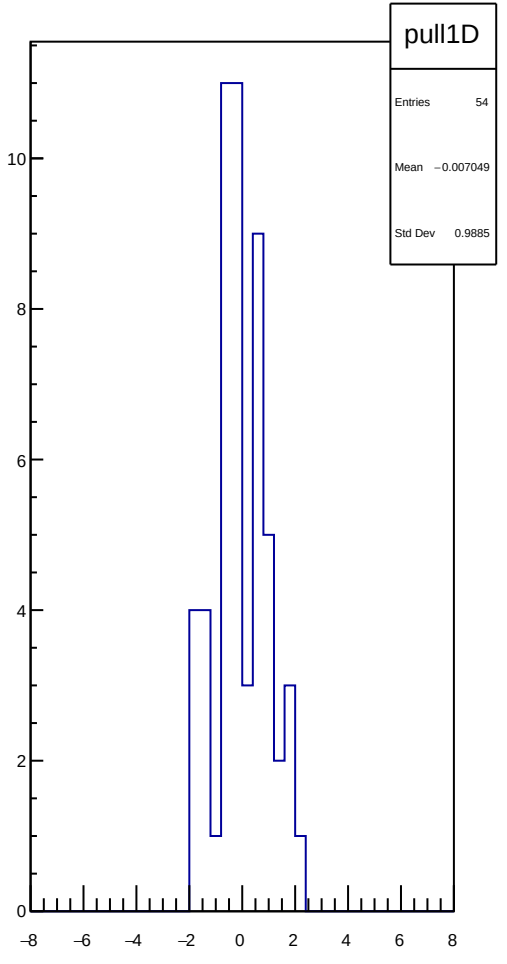

dit_asym_us_avg_at1lr_avg_dd_rms vs run
χ² / ndf 57.23 / 53
p0 1813 ± 1.762
1860
1840
1820
1800
1780
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

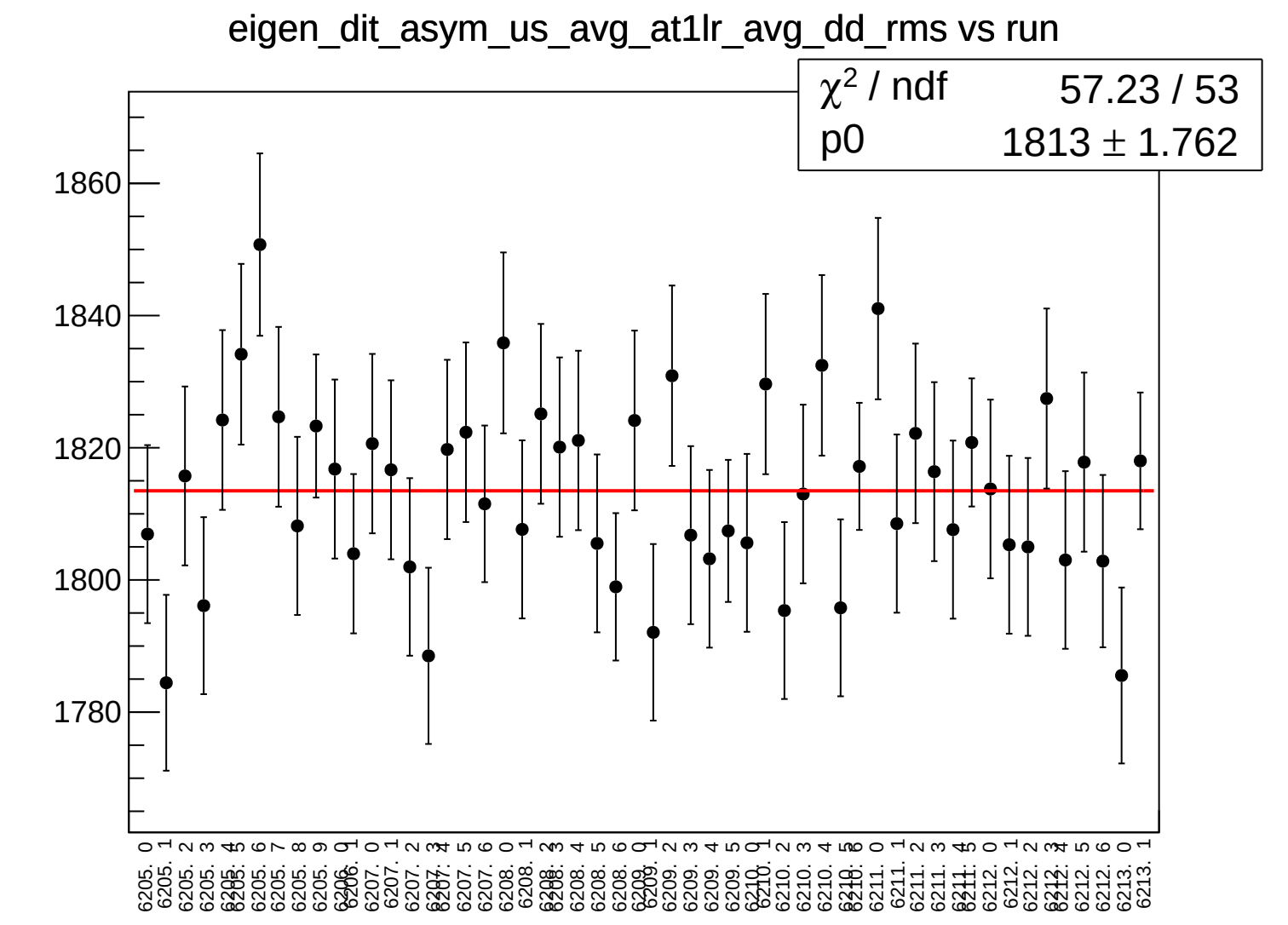

asym_us_avg_at1lr_avg_dd_dit_correction_mean vs run
χ² / ndf 42.84 / 53
p0 1074 ± 1541
pull
Entries 54
Mean −44.69
Std Dev 0

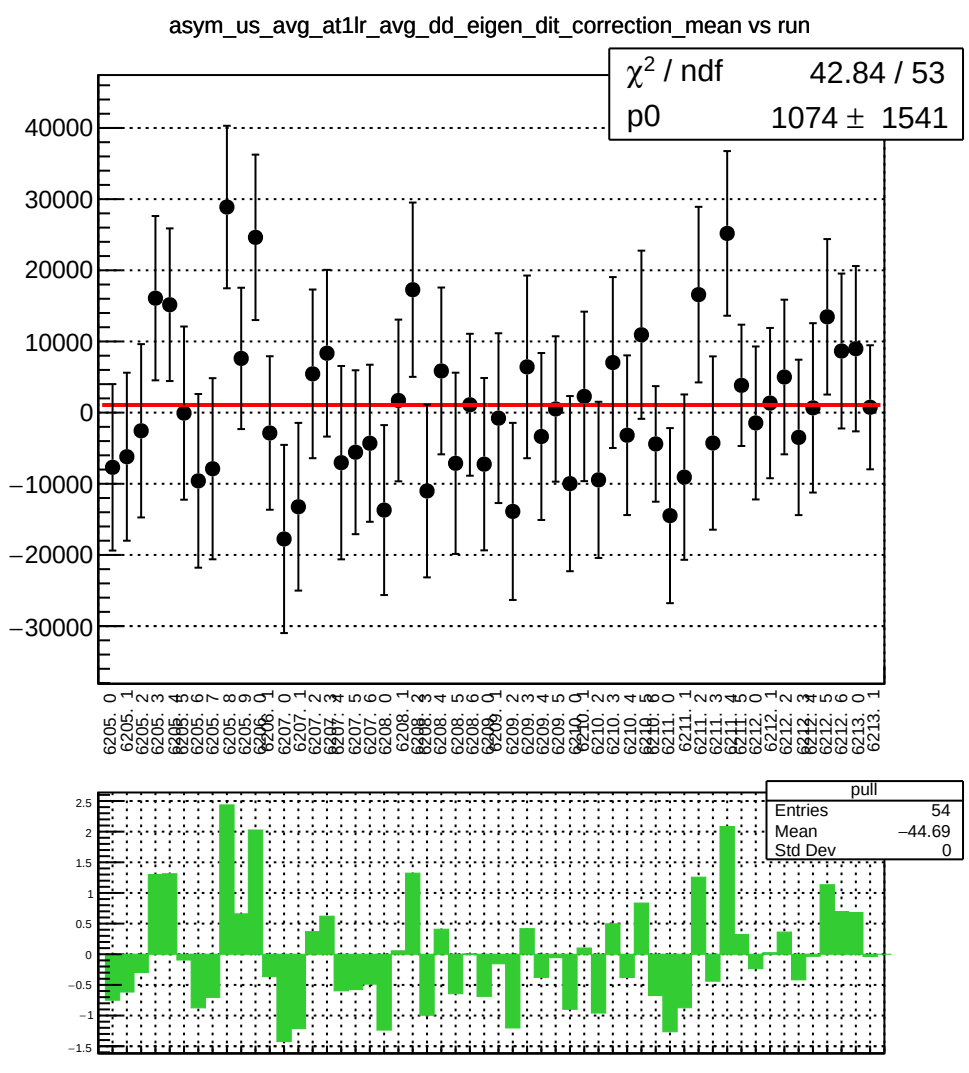

pull1D
Entries 54
Mean −0.01172
Std Dev 0.8906

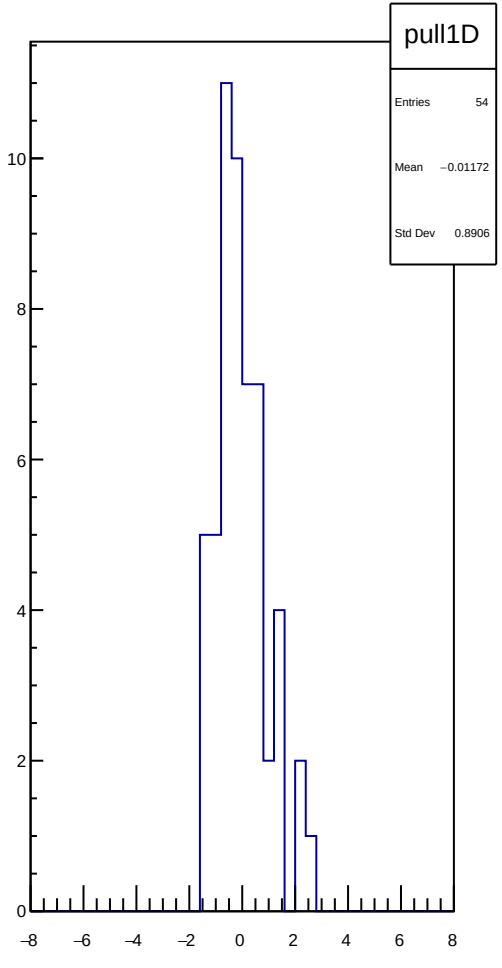

asym_us_avg_at1lr_avg_dd_dit_correction_rms vs run
χ² / ndf 2799 / 53
p0 1120 ± 1.09
1300
1250
1200
1150
1100
1050
1000
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

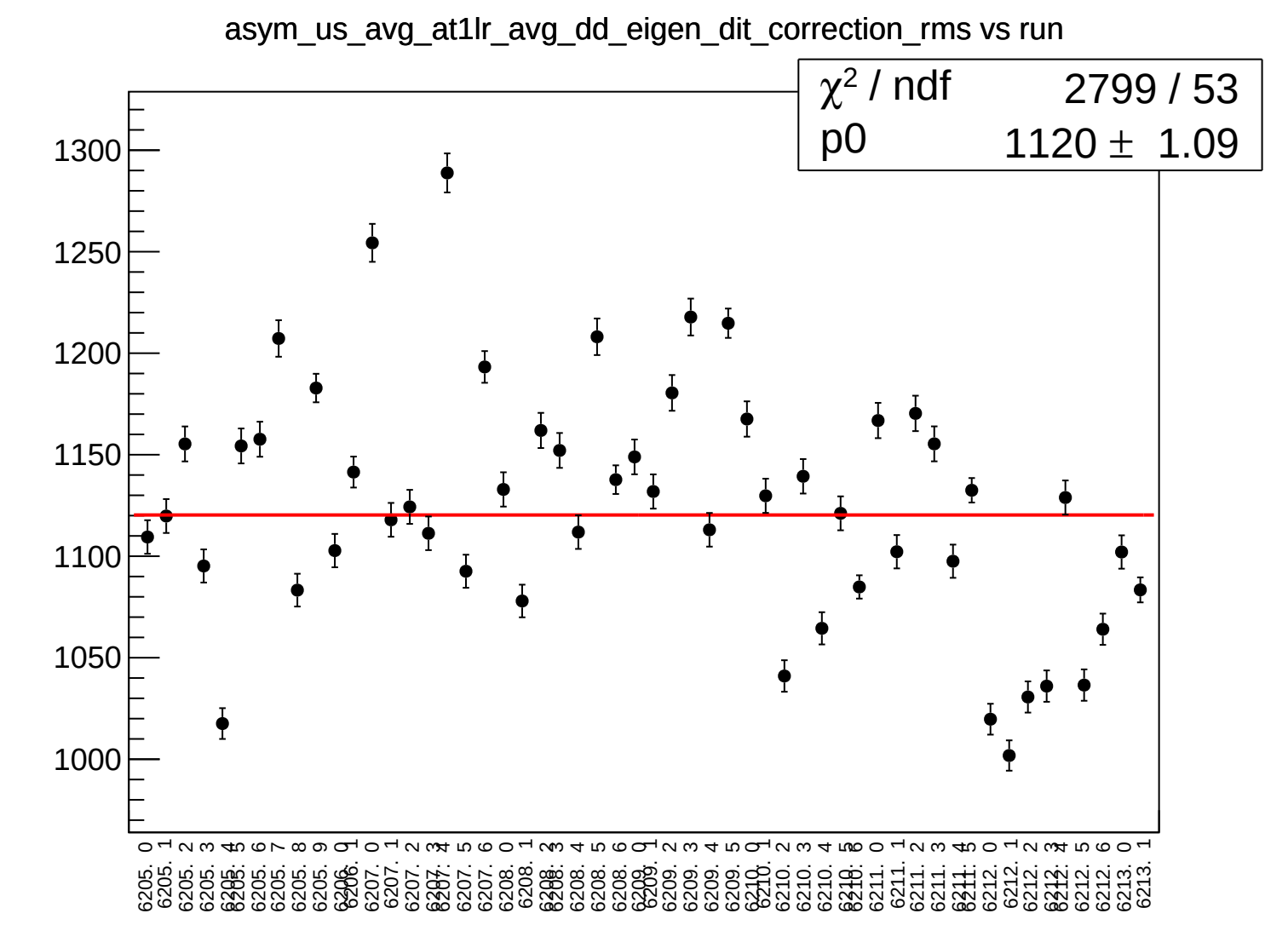

eigen_dit_asym_us_avg_at1lr_avg_dd_mean vs run
χ² / ndf 52.76 / 53
p0 −3802 ± 2492
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 26.64
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

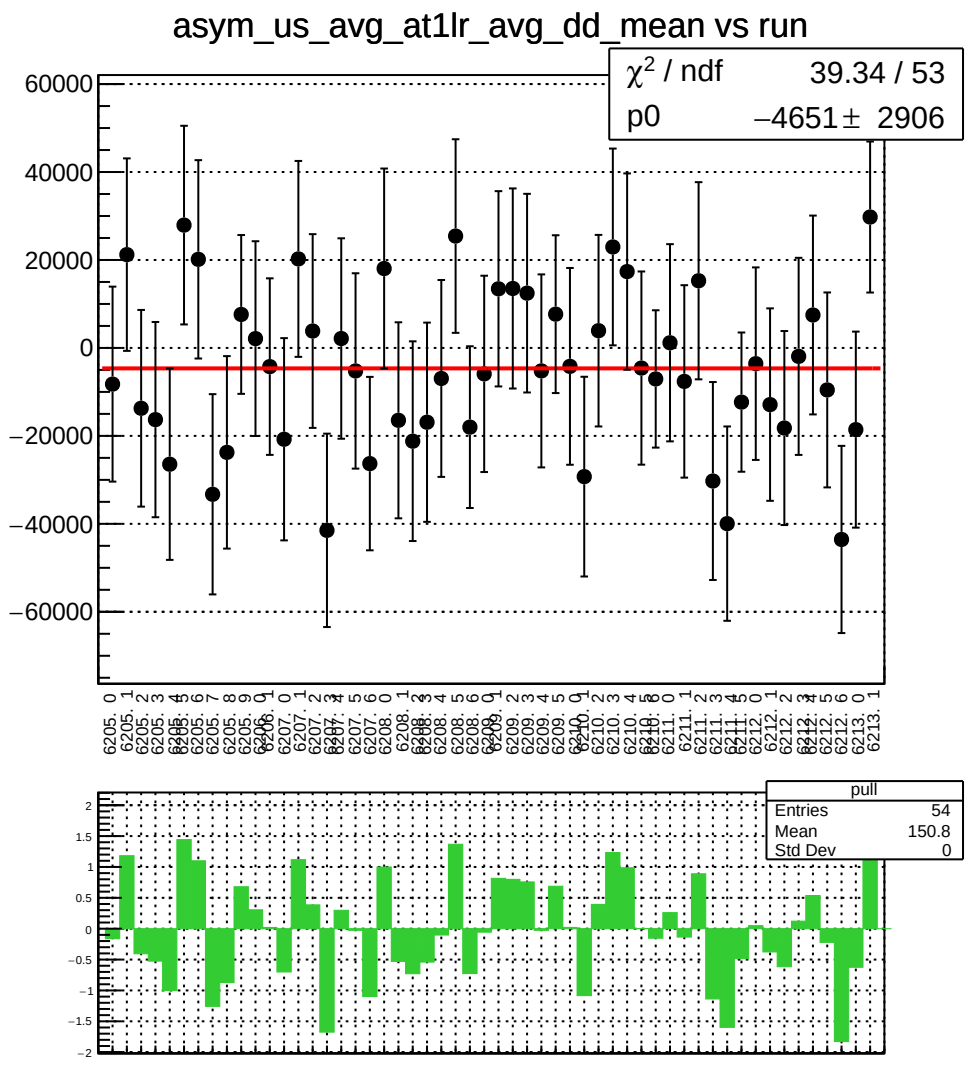

pull1D
Entries 54
Mean −0.007049
Std Dev 0.9885
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

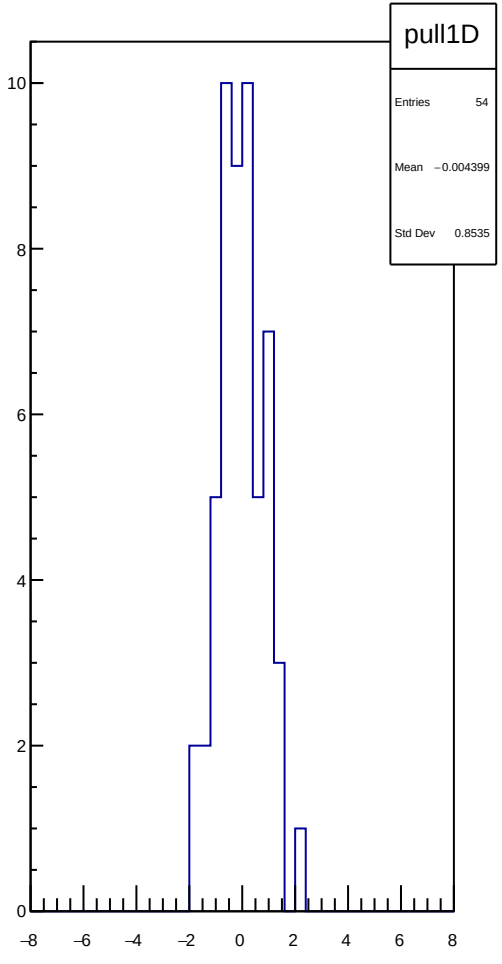

eigen_dit_asym_us_avg_at1lr_avg_dd_rms vs run
χ² / ndf 57.23 / 53
p0 1813 ± 1.762
1860
1840
1820
1800
1780
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

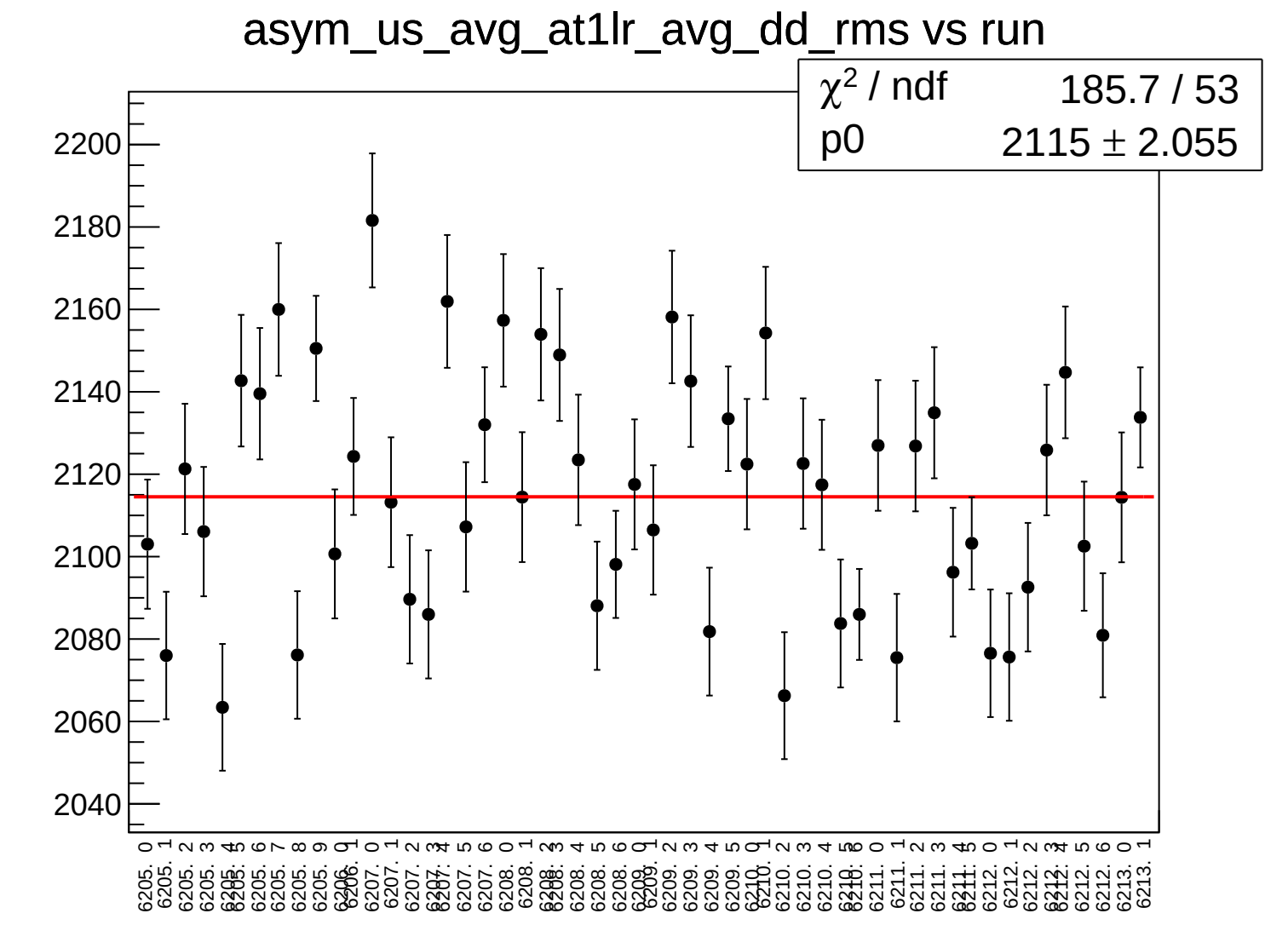

asym_us_avg_at1lr_avg_dd_eigen_dit_correction_mean vs run
χ² / ndf 42.84 / 53
p0 1074 ± 1541
pull
Entries 54
Mean −44.69
Std Dev 0

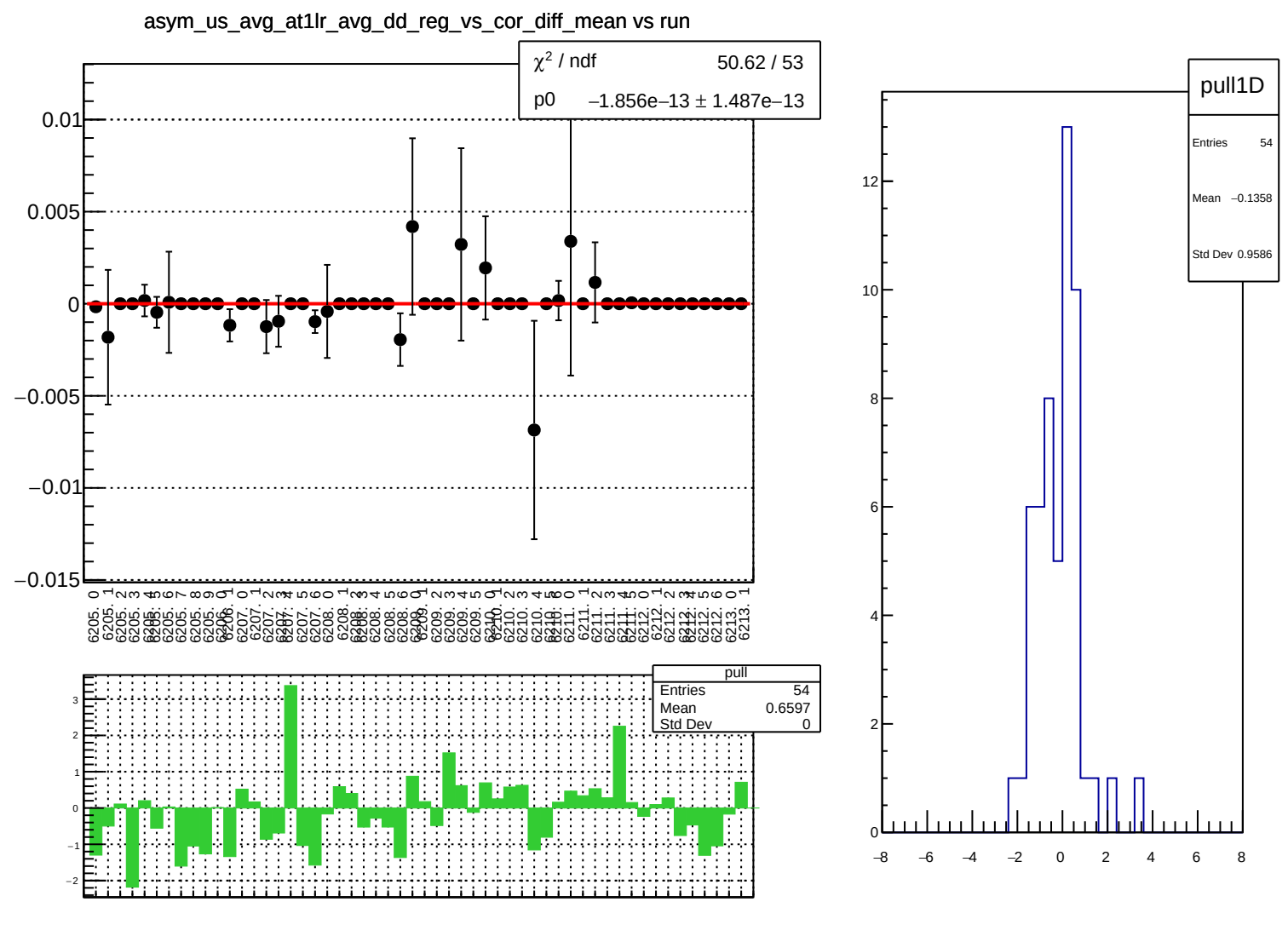

pull1D
Entries 54
Mean −0.01172
Std Dev 0.8906

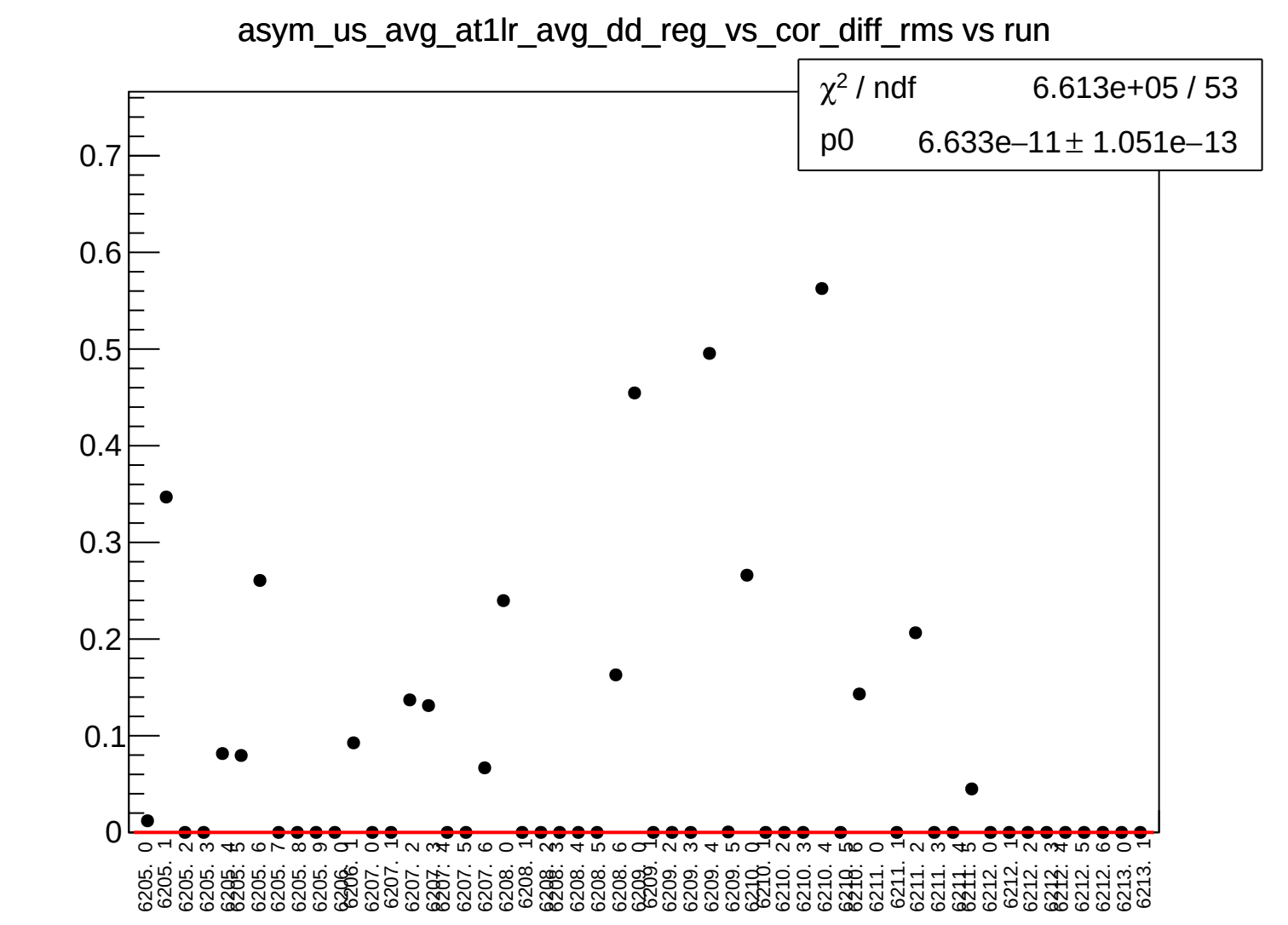

asym_us_avg_at1lr_avg_dd_eigen_dit_correction_rms vs run
χ² / ndf 2799 / 53
p0 1120 ± 1.09
1300
1250
1200
1150
1100
1050
1000
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

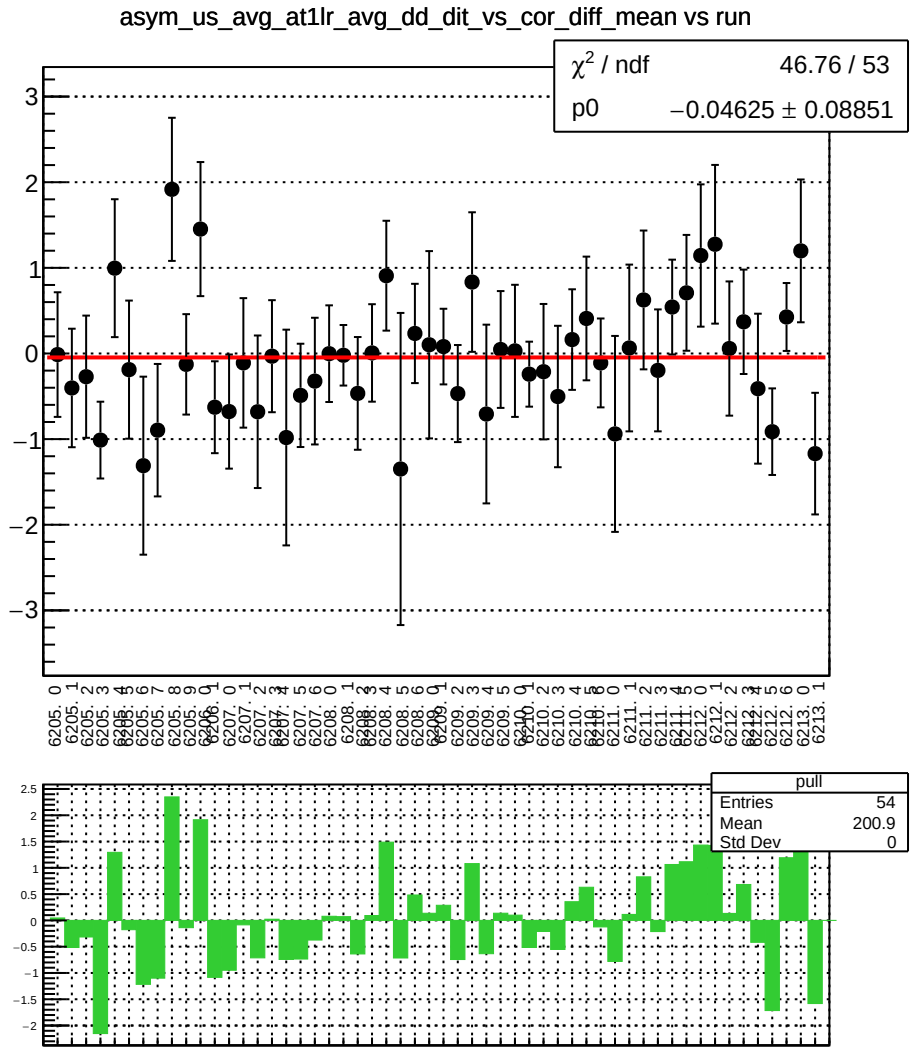

asym_us_avg_at1lr_avg_dd_mean vs run
χ² / ndf 39.34 / 53
p0 −4651 ± 2906
pull
Entries 54
Mean 150.8
Std Dev 0

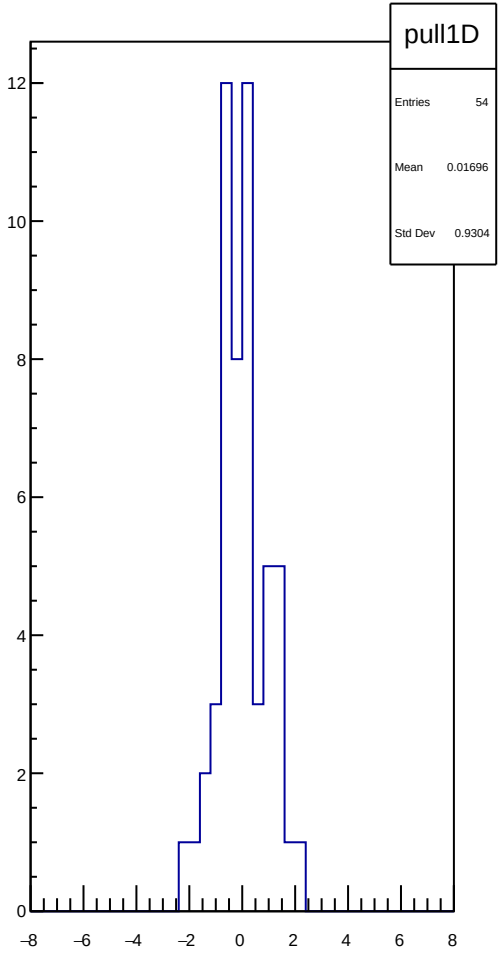

pull1D
Entries 54
Mean −0.004399
Std Dev 0.8535

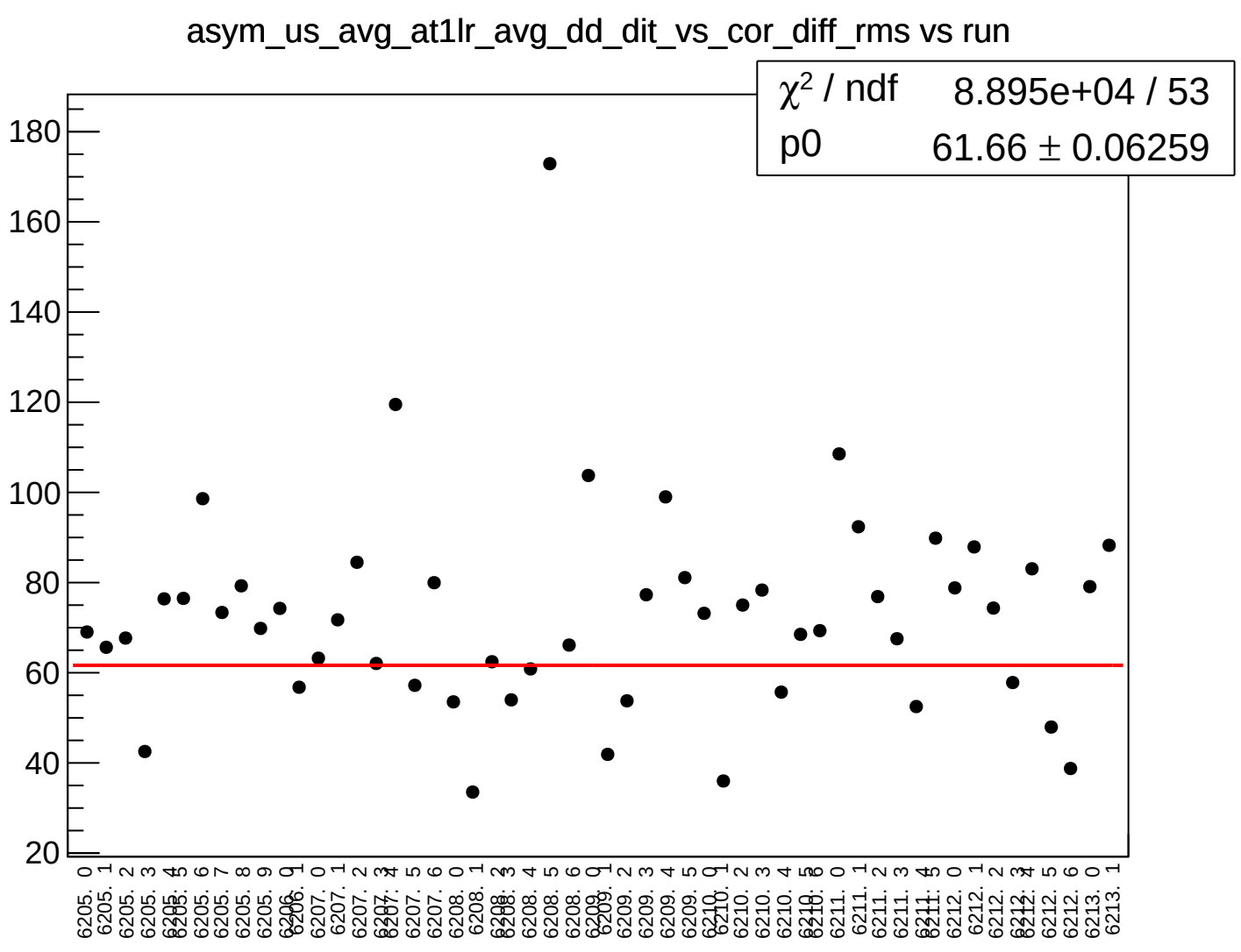

asym_us_avg_at1lr_avg_dd_rms vs run
χ² / ndf 185.7 / 53
p0 2115 ± 2.055
2200
2180
2160
2140
2120
2100
2080
2060
2040
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

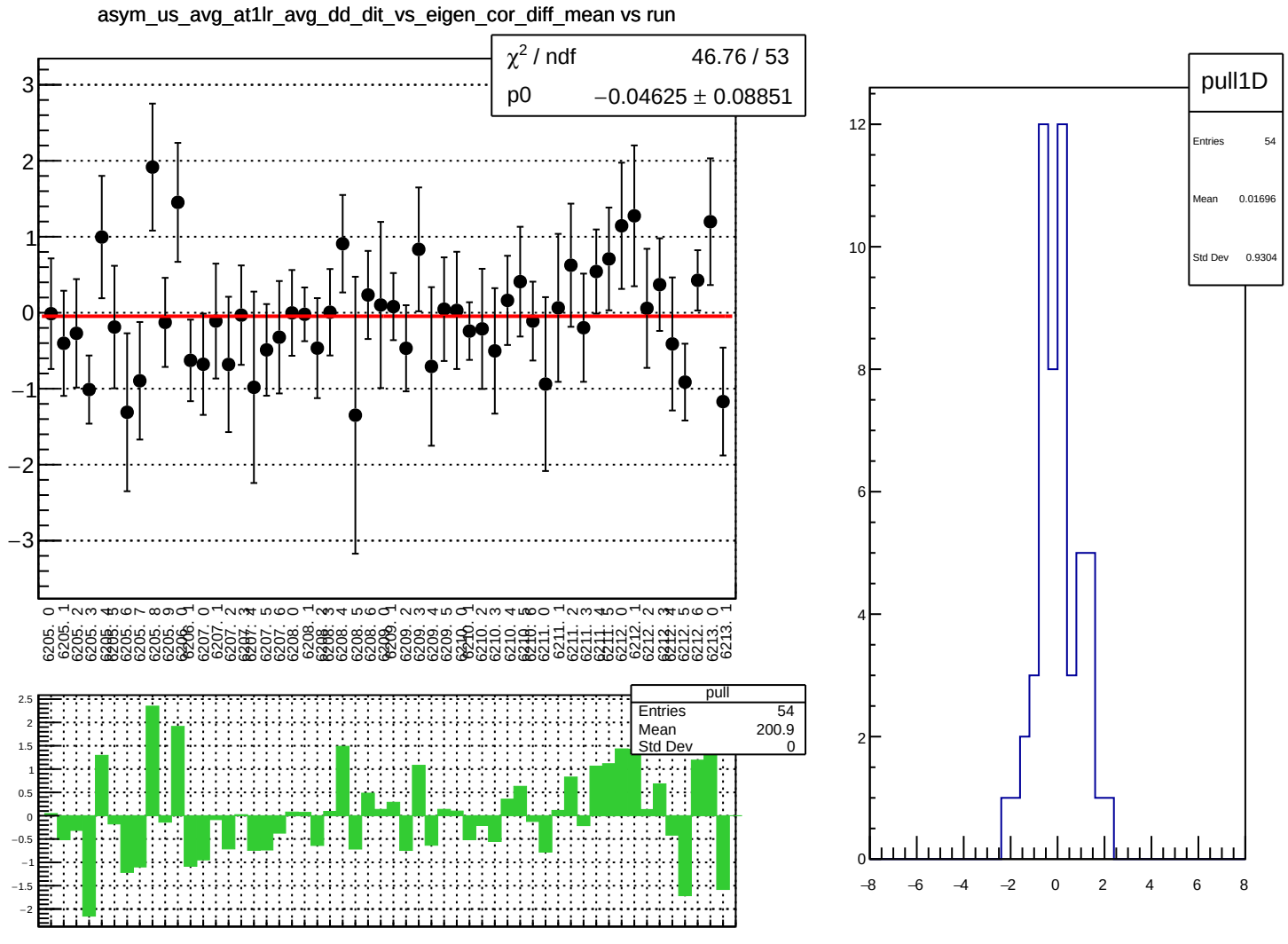

asym_us_avg_at1lr_avg_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 50.62 / 53
p0 −1.856e−13 ± 1.487e−13
pull
Entries 54
Mean 0.6597
Std Dev 0
pull1D
Entries 54
Mean −0.1358
Std Dev 0.9586

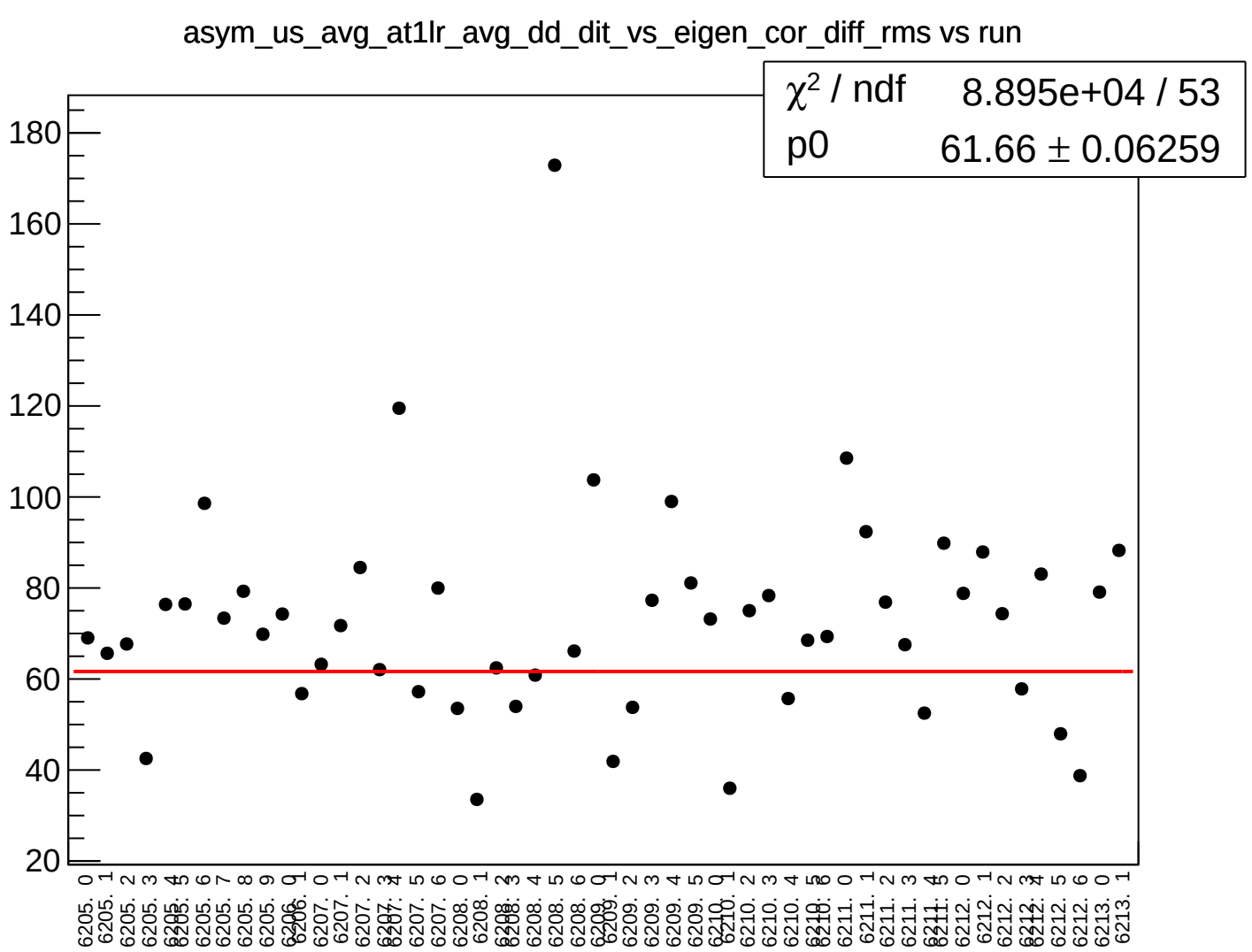

asym_us_avg_at1lr_avg_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.613e+05 / 53
p0 6.633e−11 ± 1.051e−13
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 1
6207. 0
6207. 10
6207. 2
6207. 5
6207. 6
6208. 0
6208. 4
6208. 5
6208. 6
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 1
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

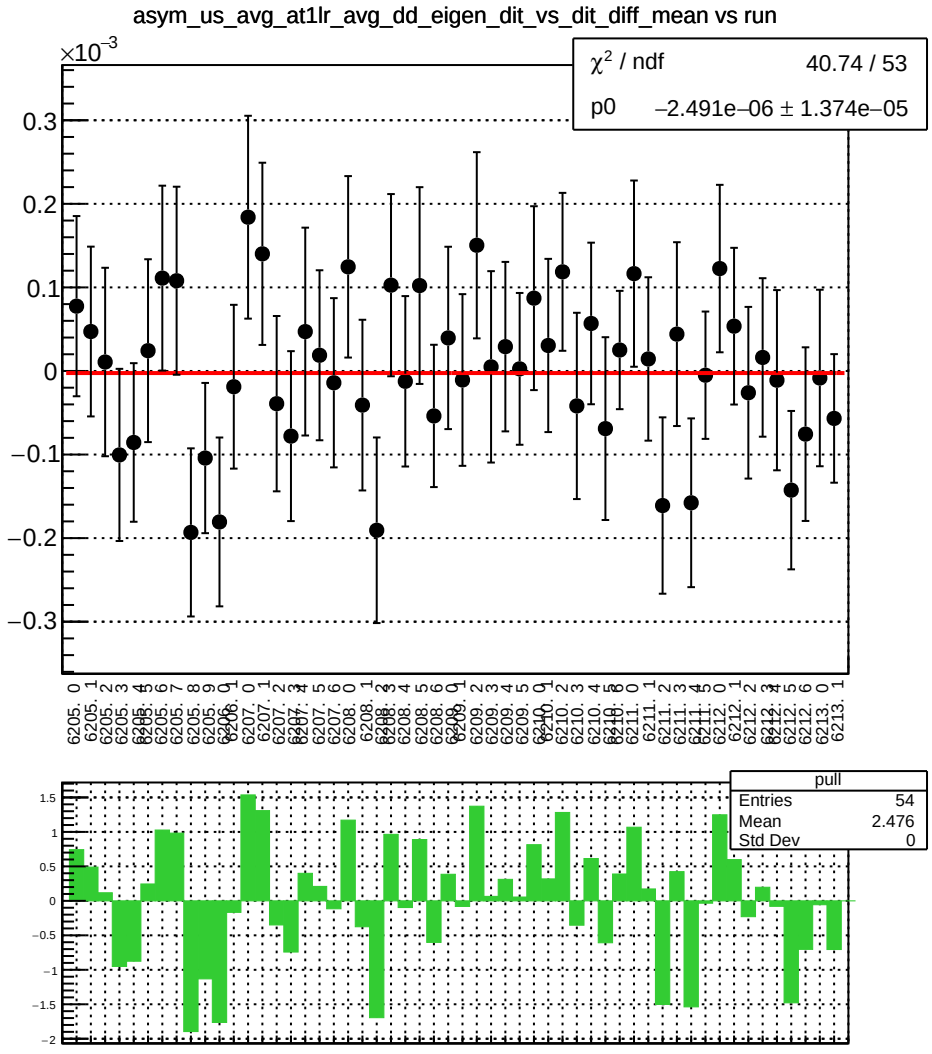

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 46.76 / 53
p0 −0.04625 ± 0.08851
pull
Entries 54
Mean 200.9
Std Dev 0

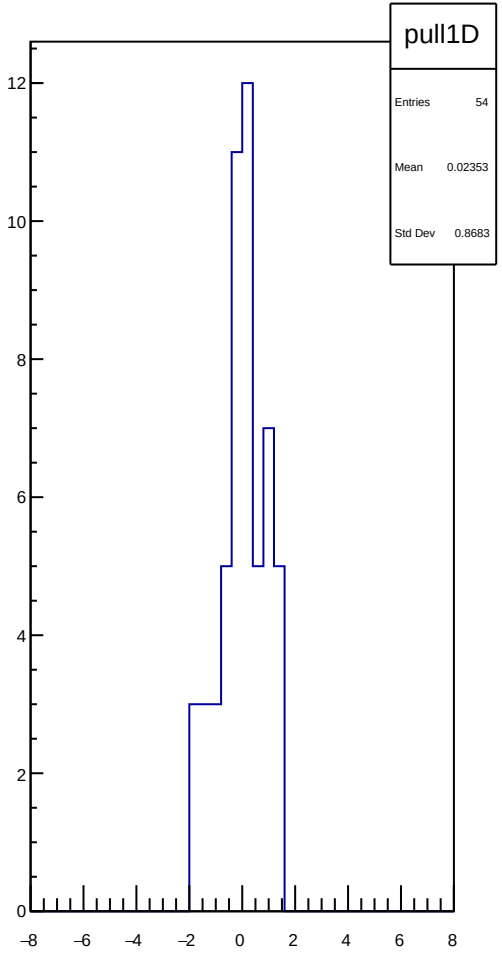

pull1D
Entries 54
Mean 0.01696
Std Dev 0.9304

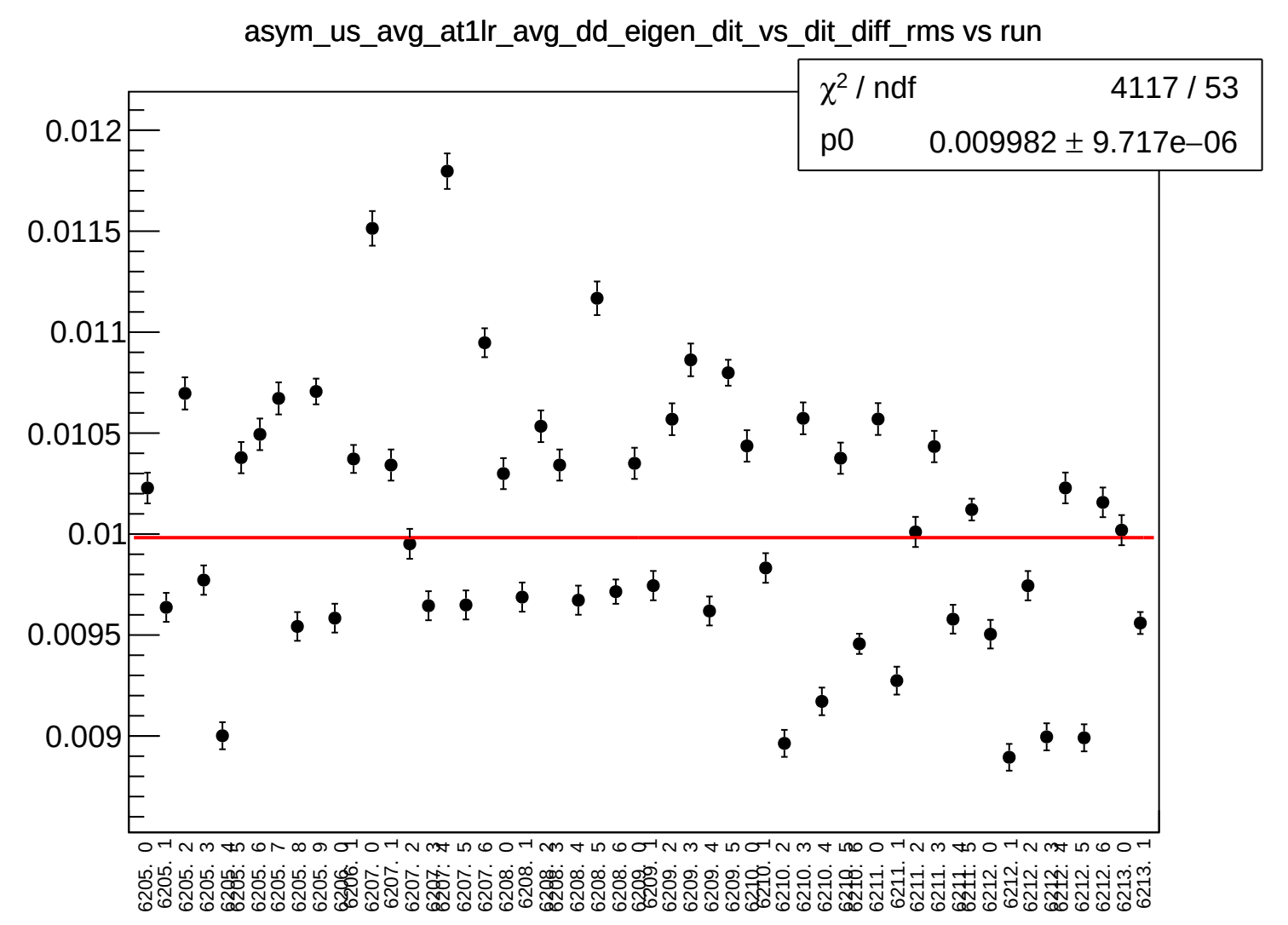

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 8.895e+04 / 53
p0 61.66 ± 0.06259
180
160
140
120
100
80
60
40
20
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 1
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 1
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

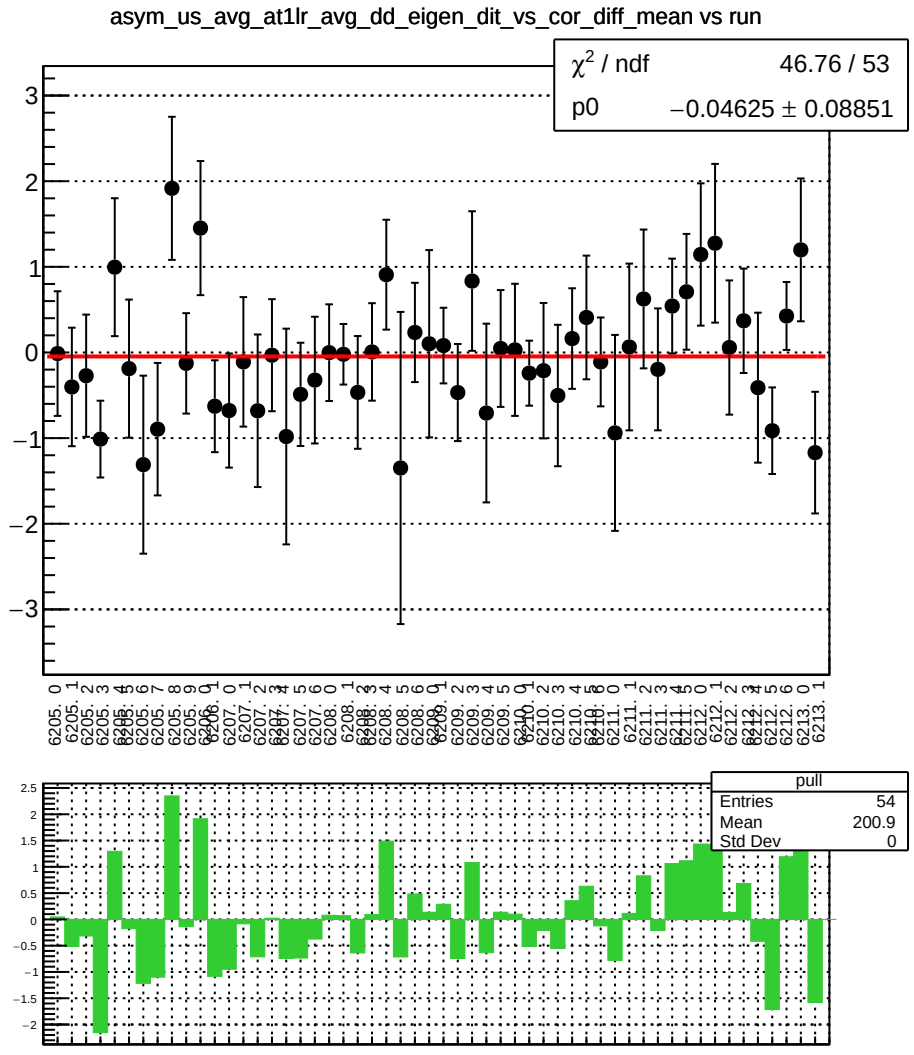

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 46.76 / 53
p0 −0.04625 ± 0.08851
pull
Entries 54
Mean 200.9
Std Dev 0
pull1D
Entries 54
Mean 0.01696
Std Dev 0.9304

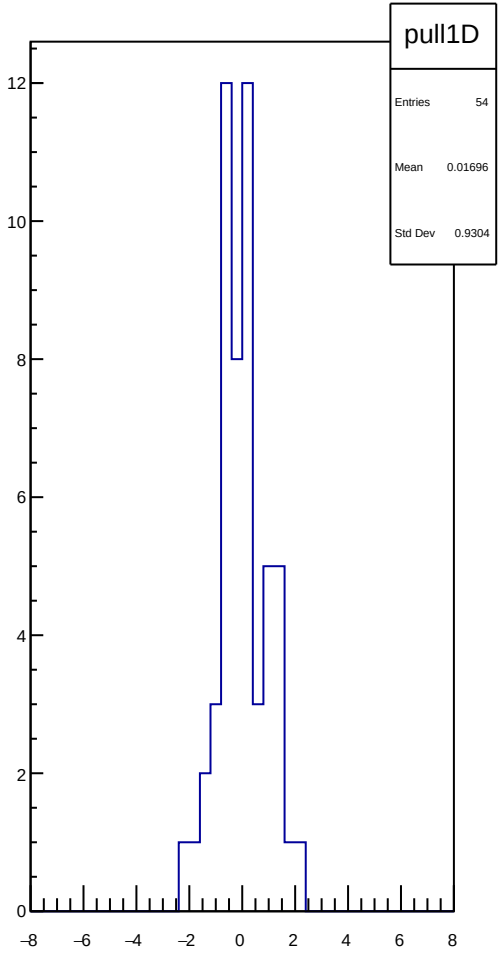

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.895e+04 / 53
p0 61.66 ± 0.06259
180
160
140
120
100
80
60
40
20
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

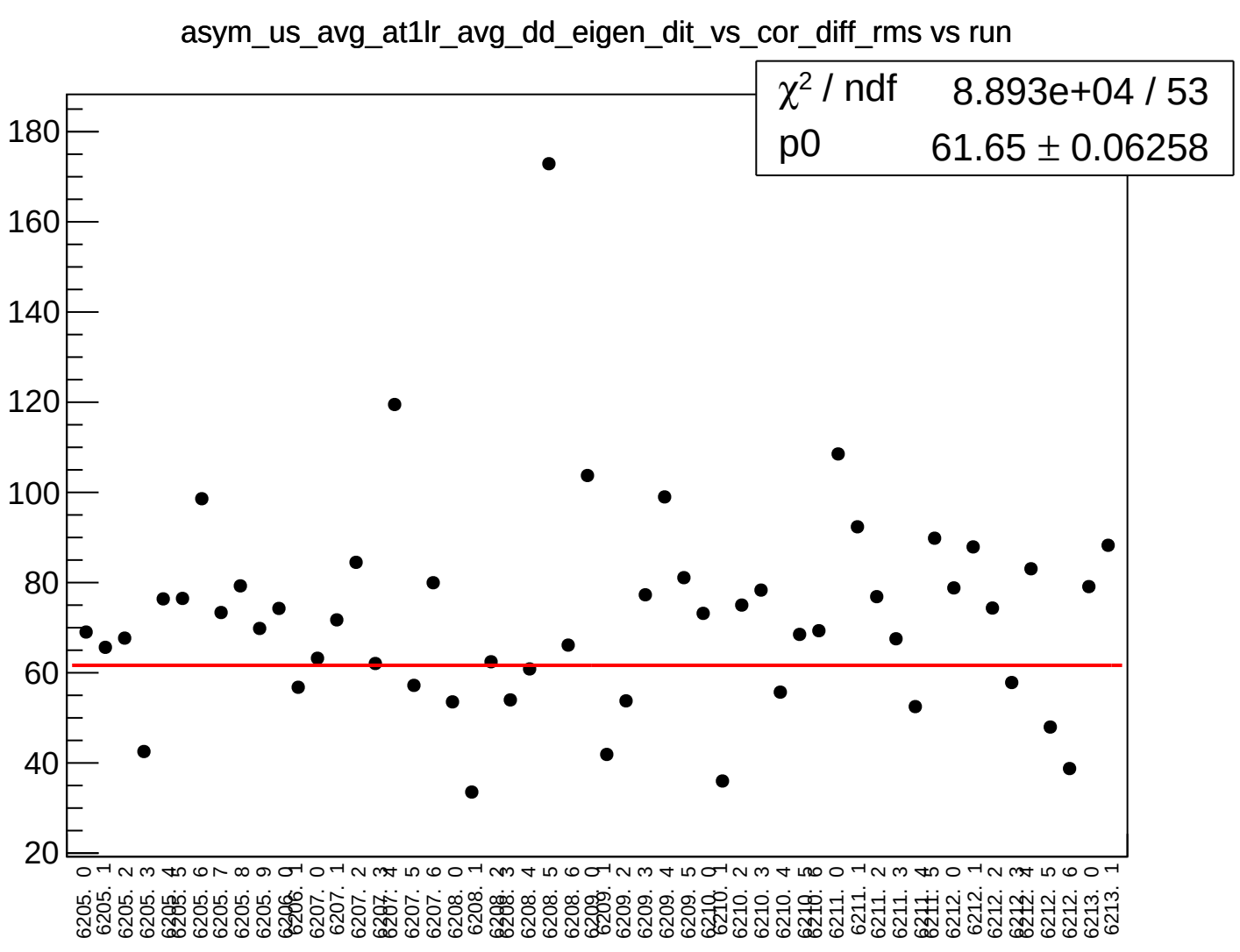

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 40.74 / 53
p0 −2.491e−06 ± 1.374e−05
pull
Entries 54
Mean 2.476
Std Dev 0

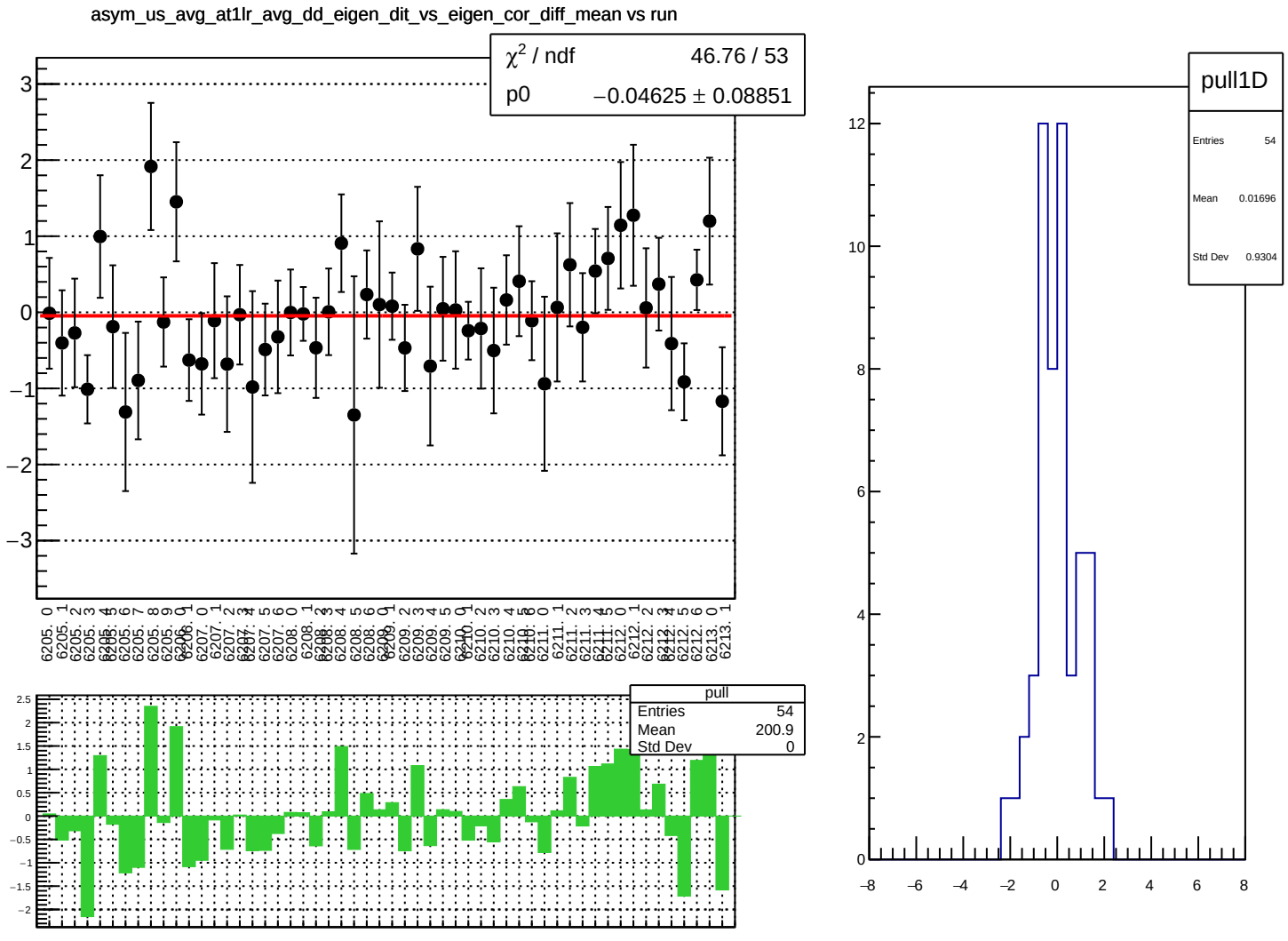

pull1D
Entries 54
Mean 0.02353
Std Dev 0.8683

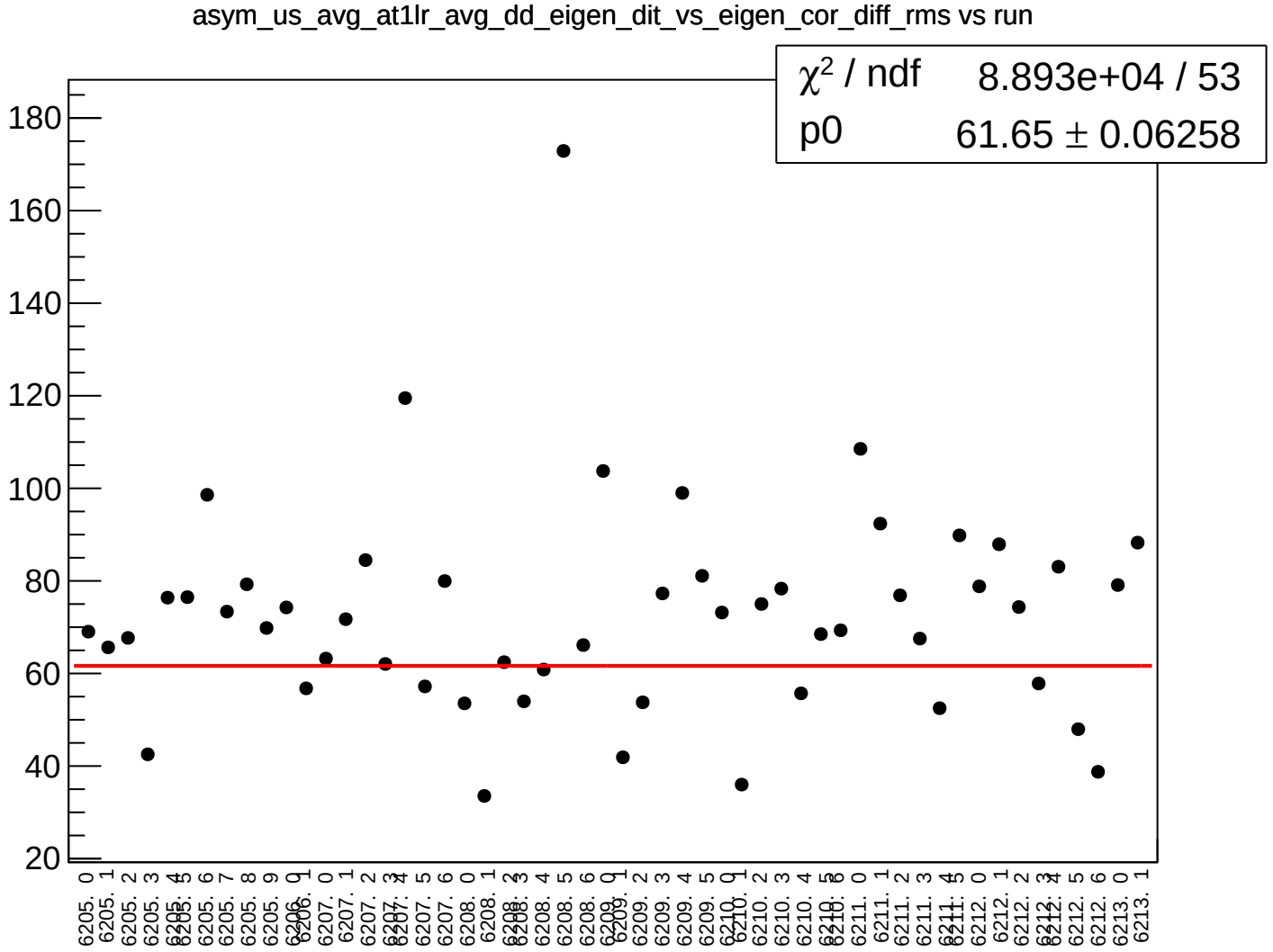

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4117 / 53
p0 0.009982 ± 9.717e−06
0.012
0.0115
0.011
0.0105
0.01
0.0095
0.009

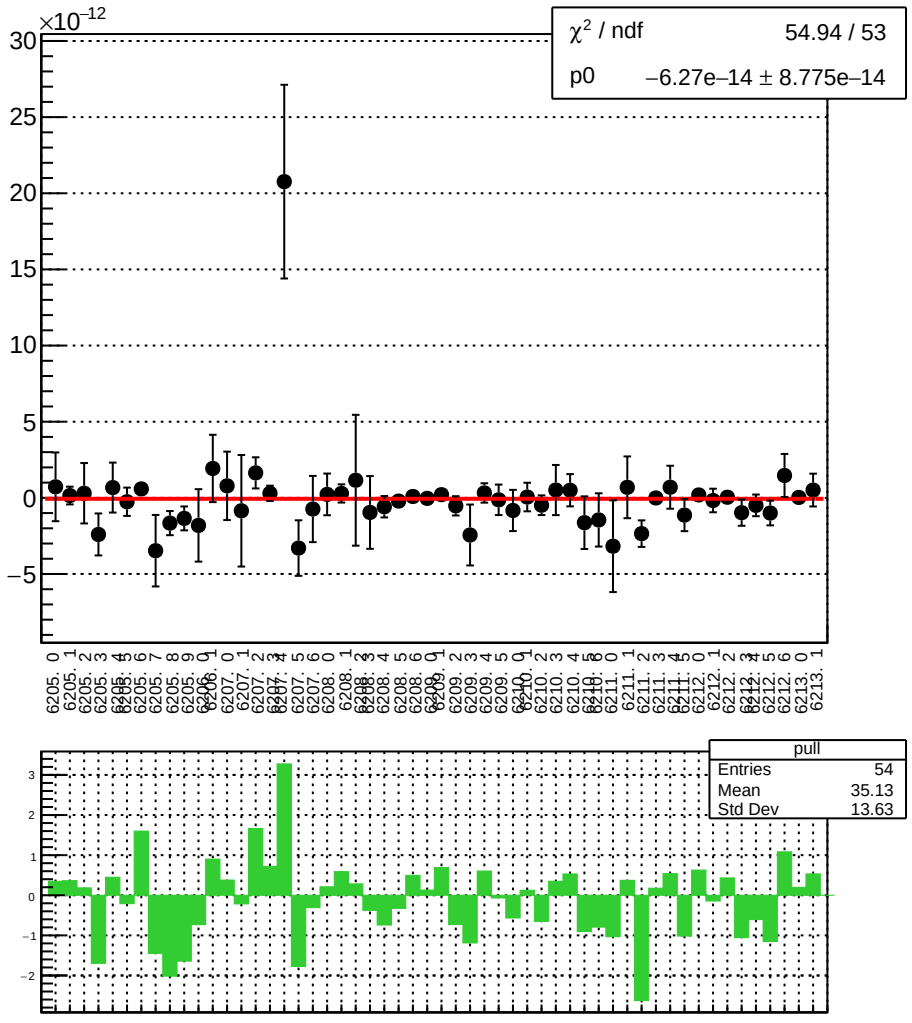

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 46.76 / 53
p0 −0.04625 ± 0.08851
pull
Entries 54
Mean 200.9
Std Dev 0

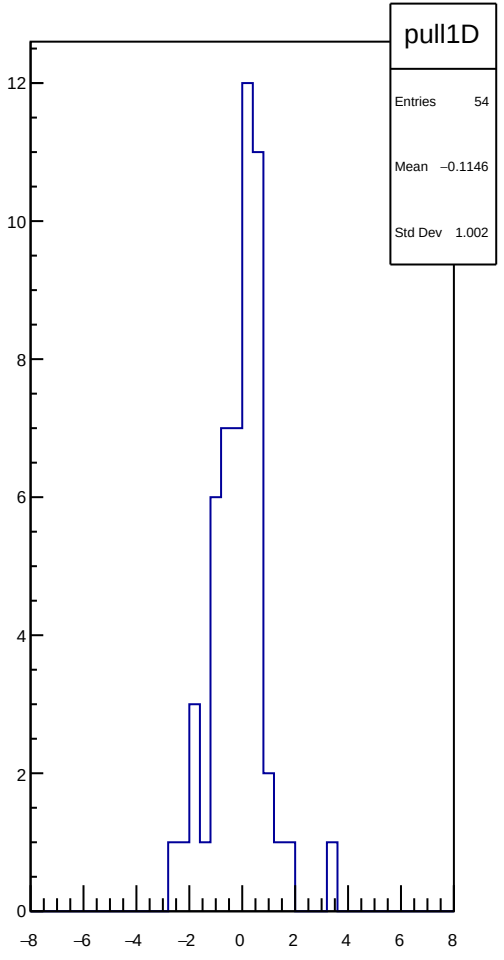

pull1D
Entries 54
Mean 0.01696
Std Dev 0.9304

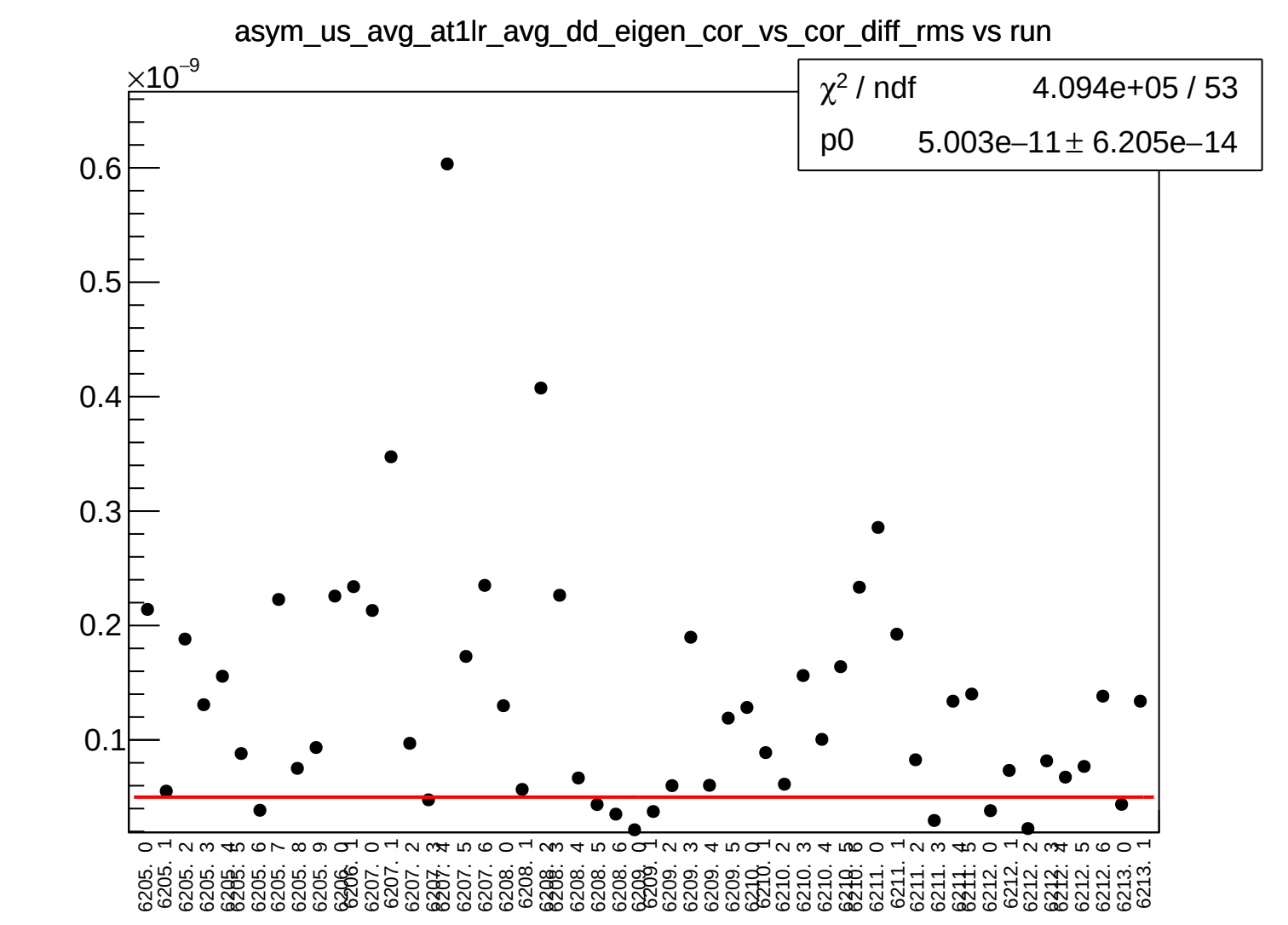

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 8.893e+04 / 53
p0 61.65 ± 0.06258
180
160
140
120
100
80
60
40
20
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

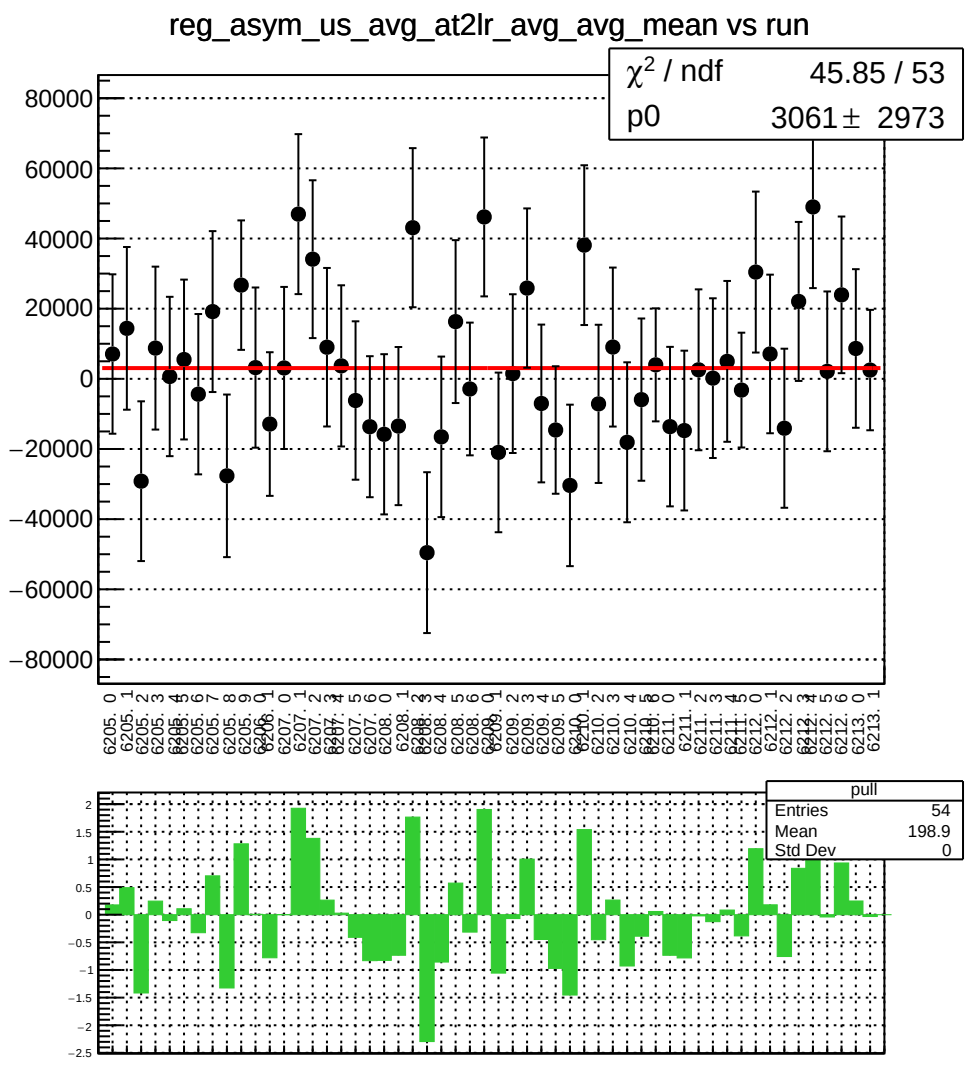

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 46.76 / 53
p0 −0.04625 ± 0.08851
pull
Entries 54
Mean 200.9
Std Dev 0
pull1D
Entries 54
Mean 0.01696
Std Dev 0.9304

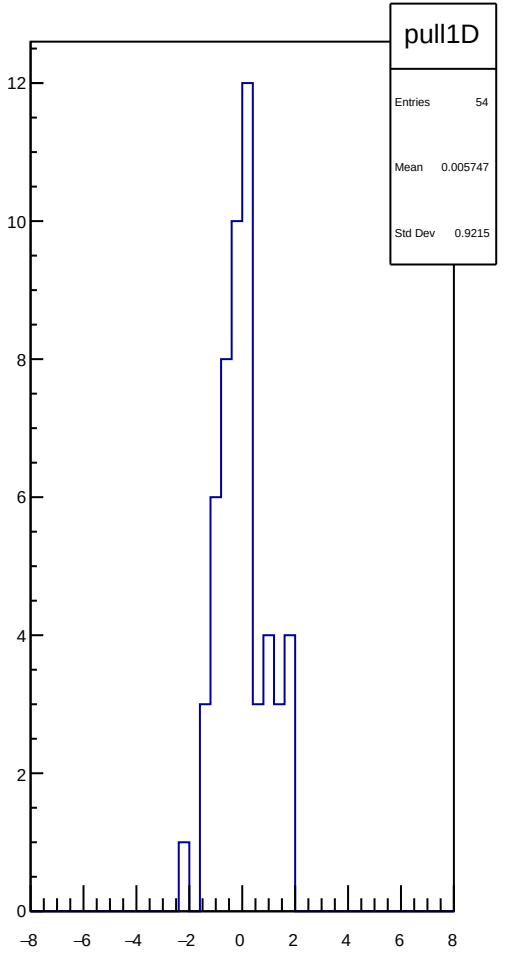

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.893e+04 / 53
p0 61.65 ± 0.06258
180
160
140
120
100
80
60
40
20
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

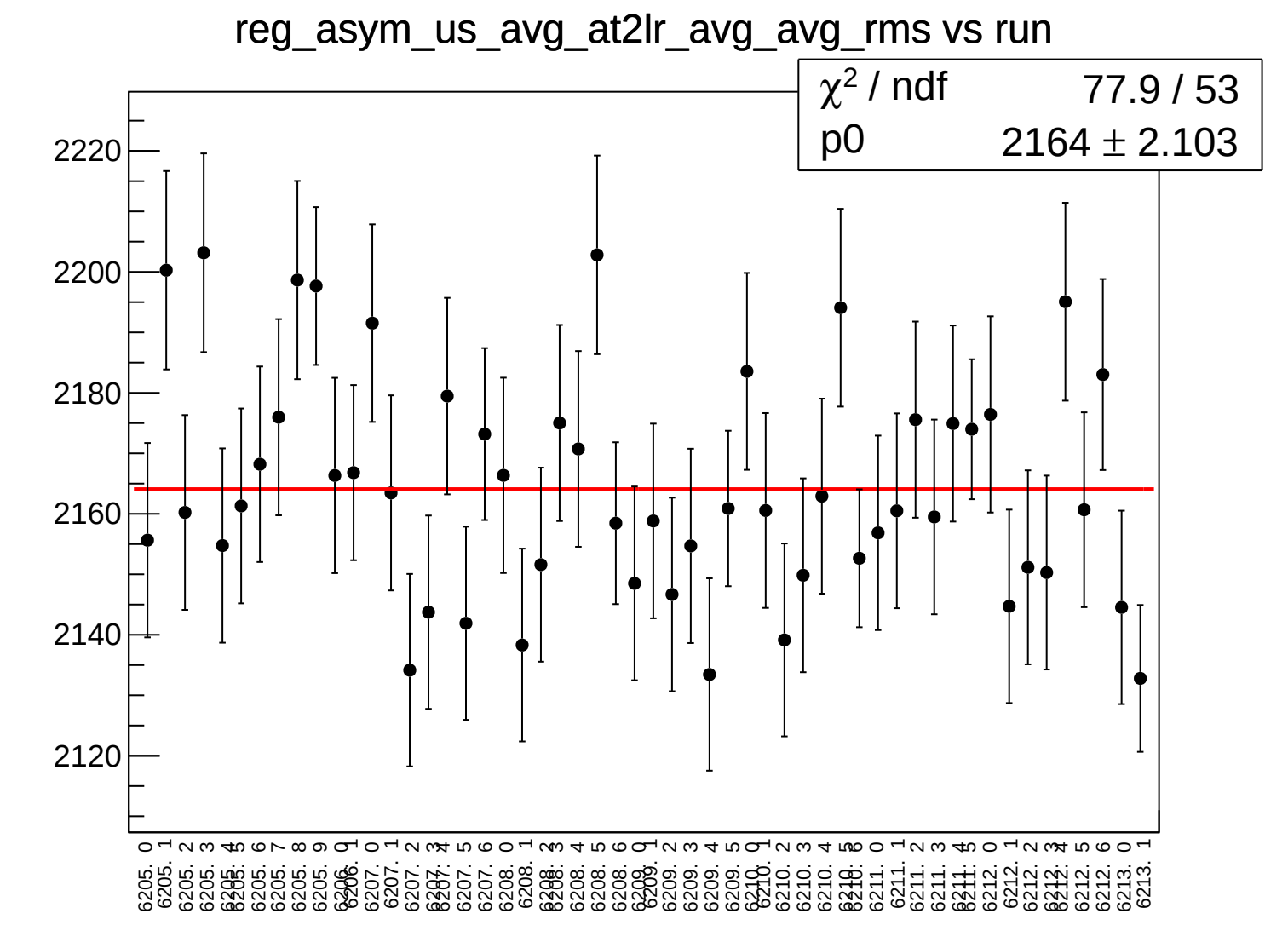

asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 54.94 / 53
p0 −6.27e−14 ± 8.775e−14
pull
Entries 54
Mean 35.13
Std Dev 13.63

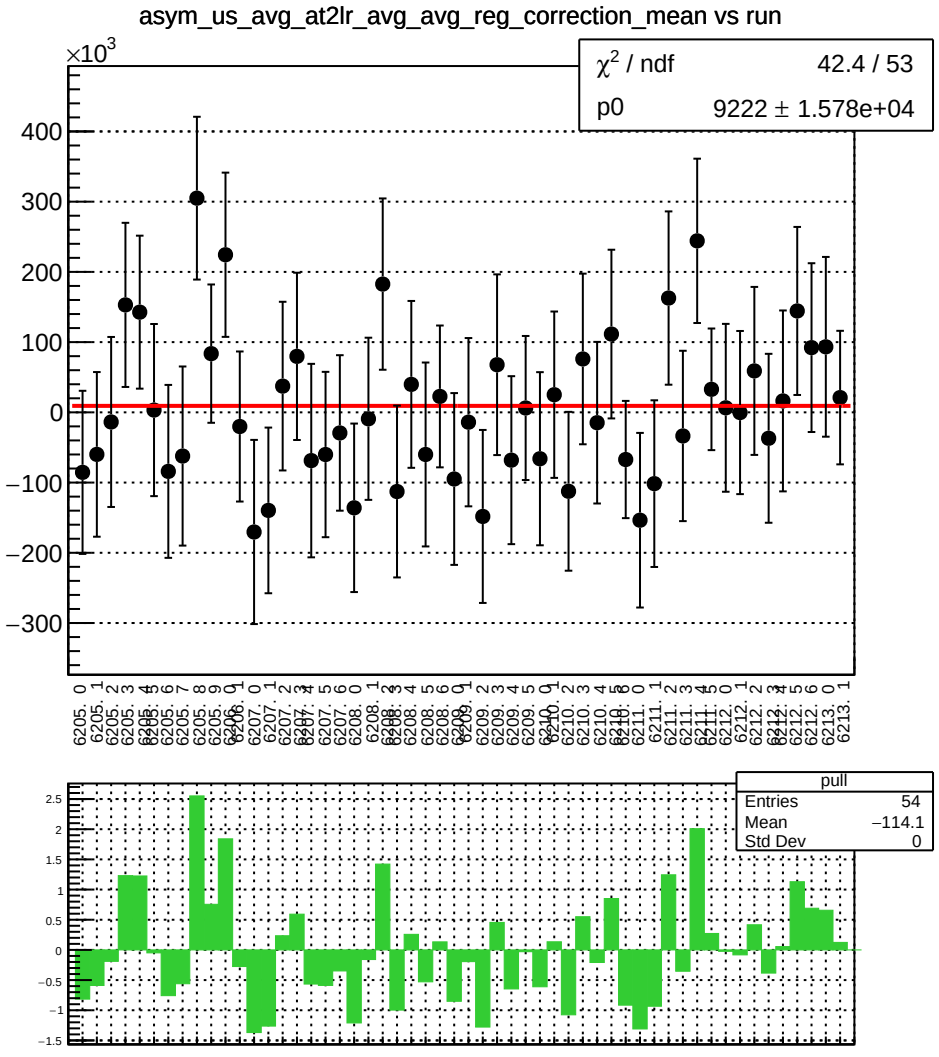

pull1D
Entries 54
Mean −0.1146
Std Dev 1.002

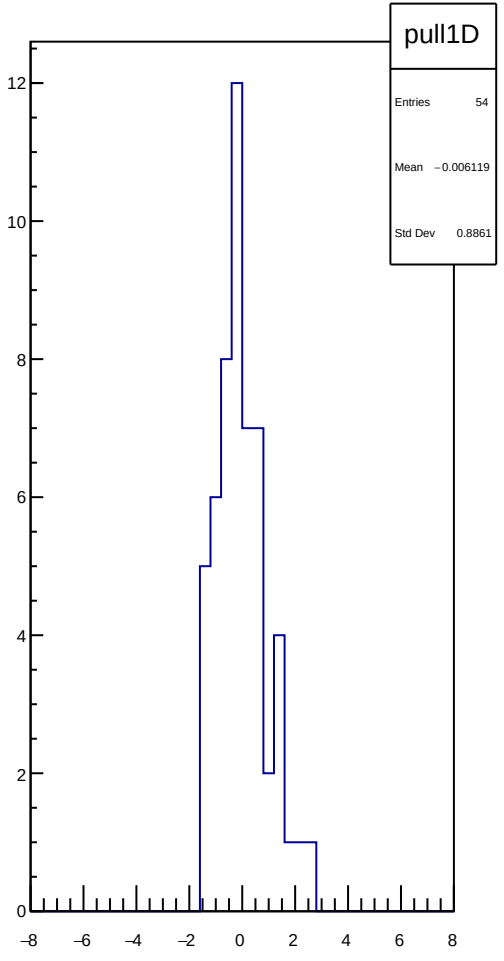

asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.094e+05 / 53
p0 5.003e−11 ± 6.205e−14
0.6
0.5
0.4
0.3
0.2
0.1
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

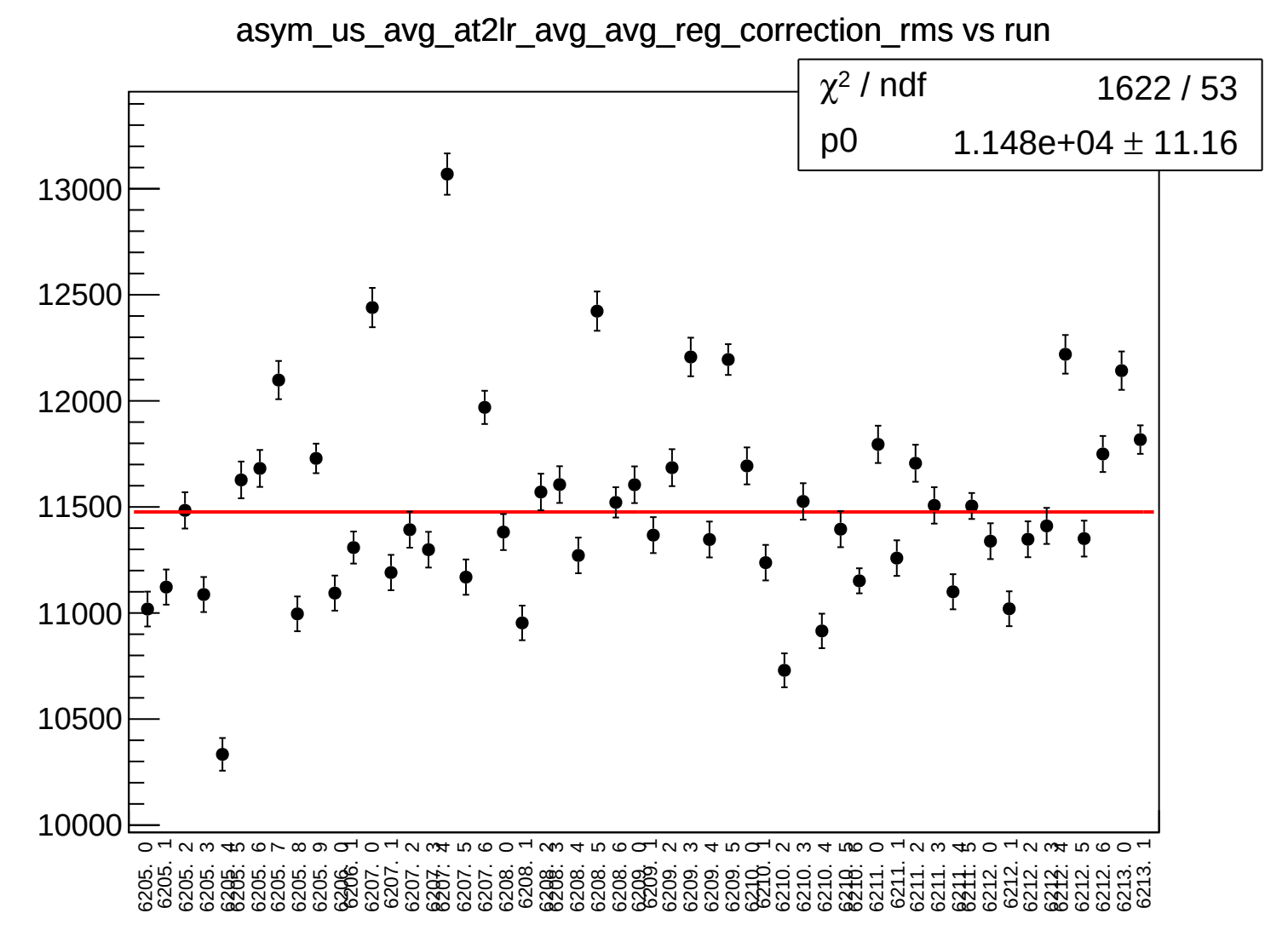

reg_asym_us_avg_at2lr_avg_avg_mean vs run
χ² / ndf 45.85 / 53
p0 3061 ± 2973
pull
Entries 54
Mean 198.9
Std Dev 0

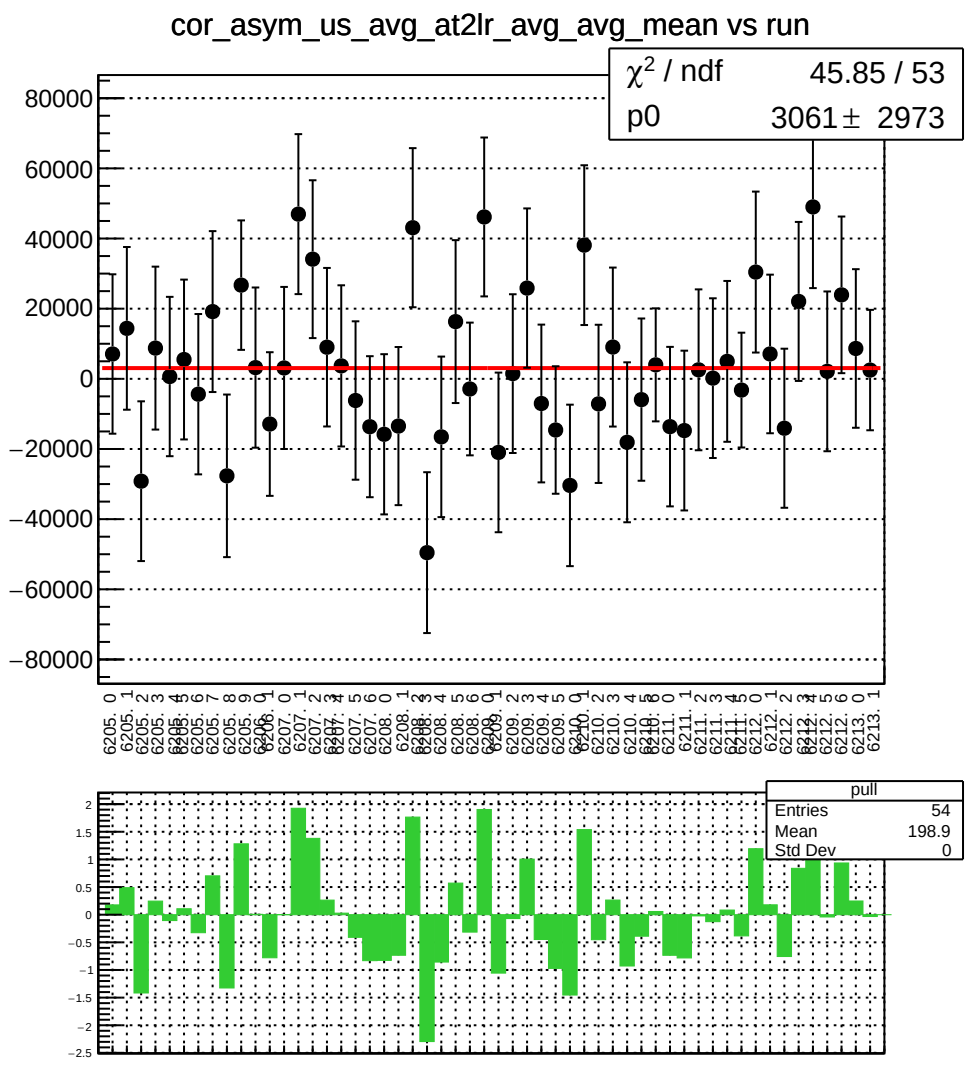

pull1D
Entries 54
Mean 0.005747
Std Dev 0.9215

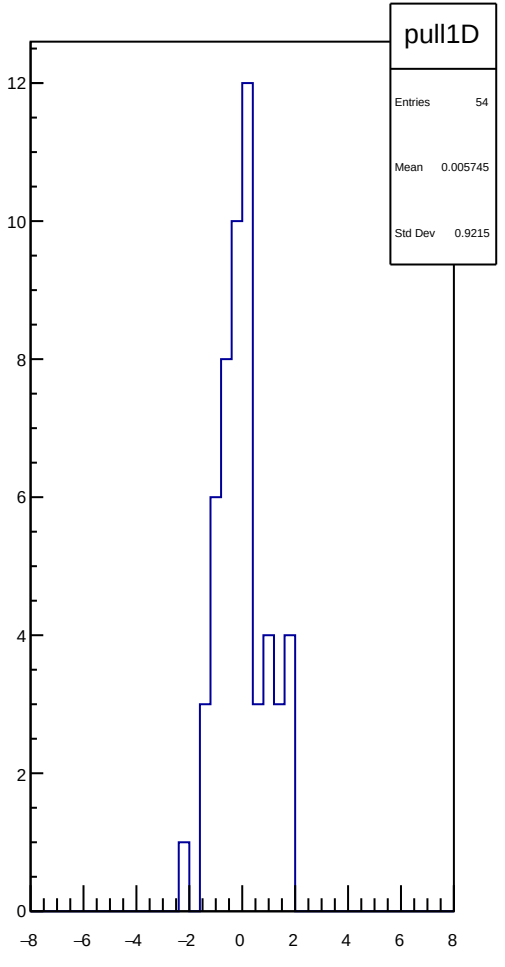

reg_asym_us_avg_at2lr_avg_avg_rms vs run
χ² / ndf 77.9 / 53
p0 2164 ± 2.103
2220
2200
2180
2160
2140
2120
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

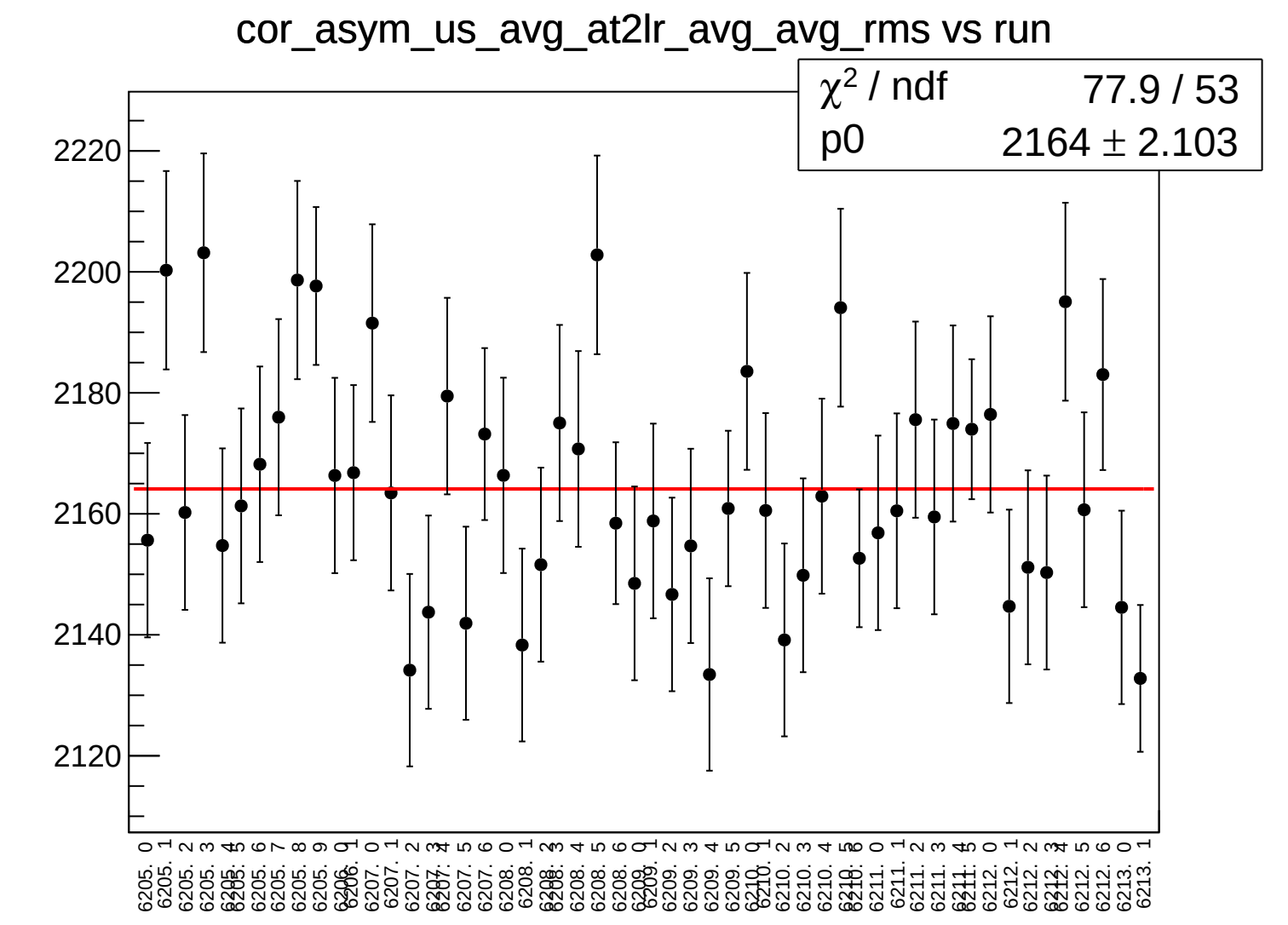

asym_us_avg_at2lr_avg_avg_reg_correction_mean vs run
×10^3
χ² / ndf 42.4 / 53
p0 9222 ± 1.578e+04
pull
Entries 54
Mean −114.1
Std Dev 0

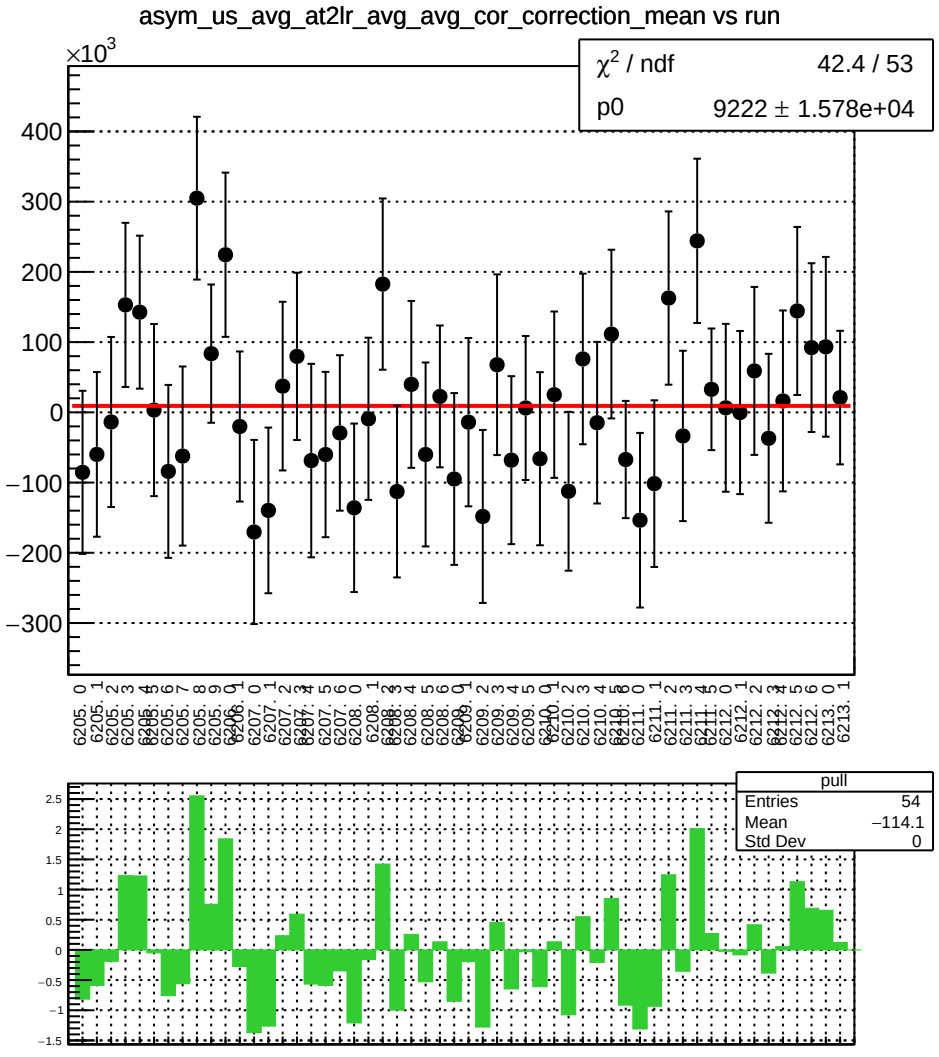

pull1D
Entries 54
Mean −0.006119
Std Dev 0.8861

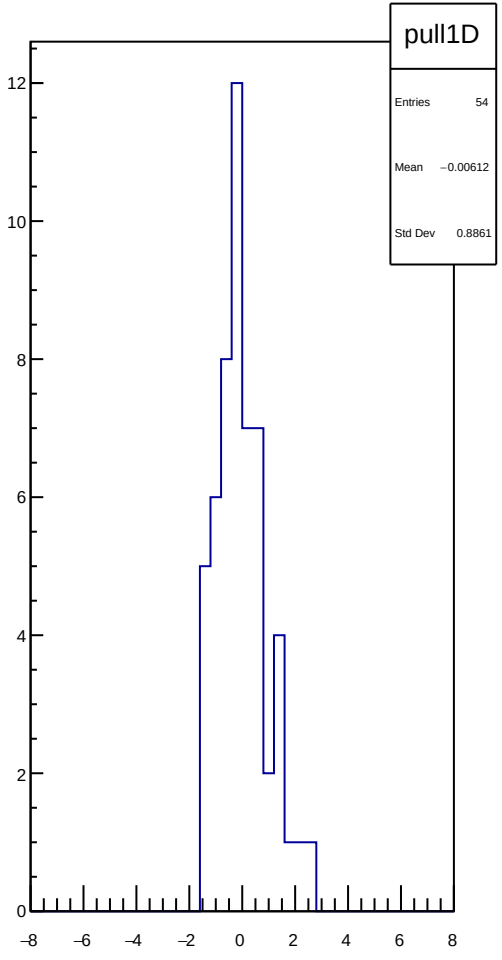

asym_us_avg_at2lr_avg_avg_reg_correction_rms vs run
χ² / ndf 1622 / 53
p0 1.148e+04 ± 11.16
13000
12500
12000
11500
11000
10500
10000
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

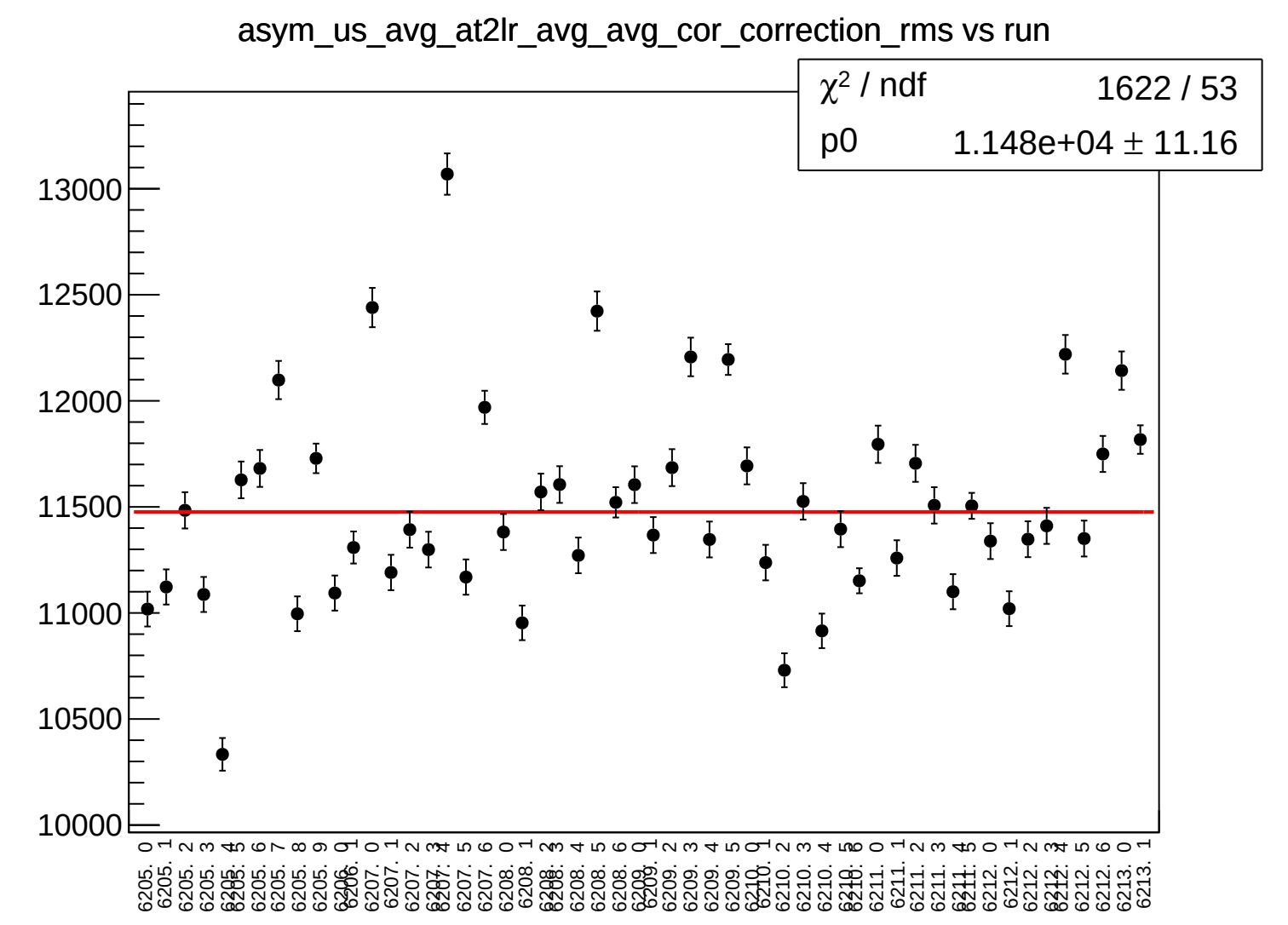

cor_asym_us_avg_at2lr_avg_avg_mean vs run
χ² / ndf 45.85 / 53
p0 3061 ± 2973
pull
Entries 54
Mean 198.9
Std Dev 0

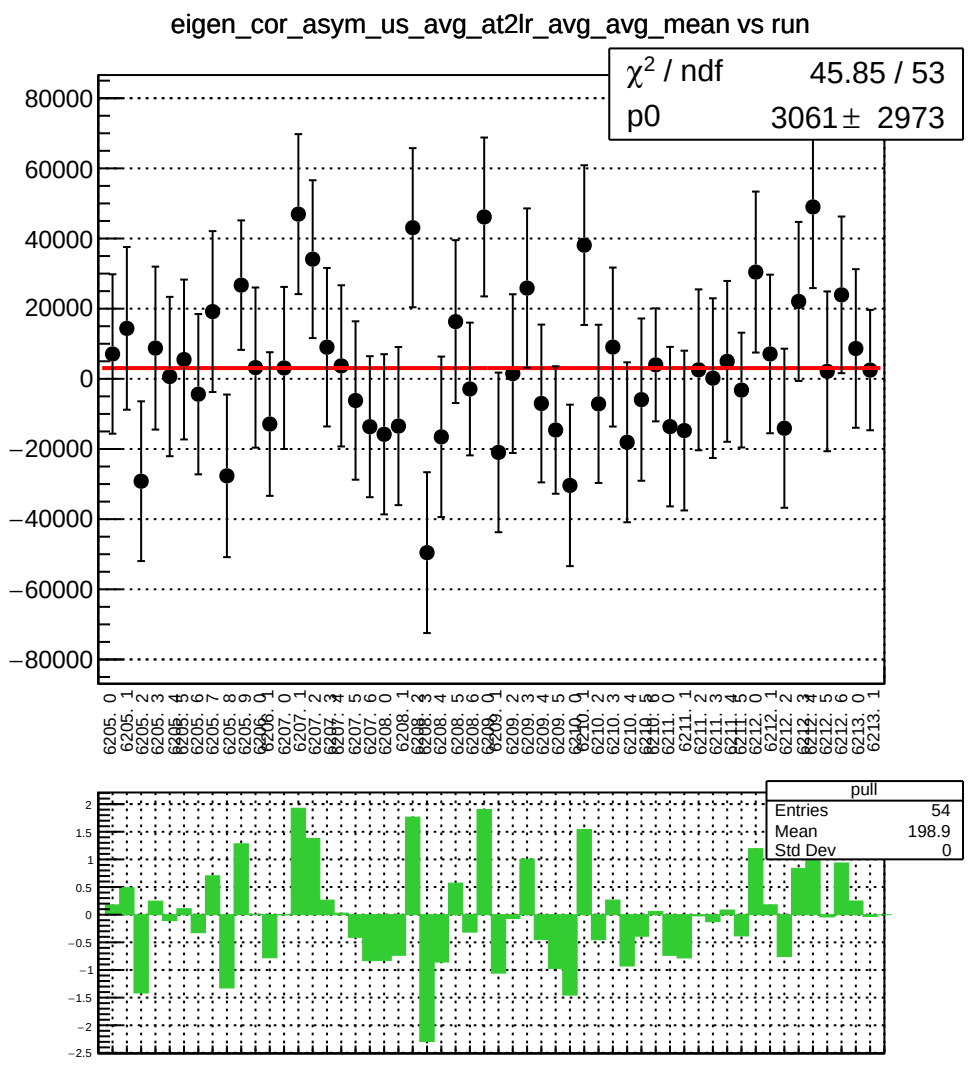

pull1D
Entries 54
Mean 0.005745
Std Dev 0.9215

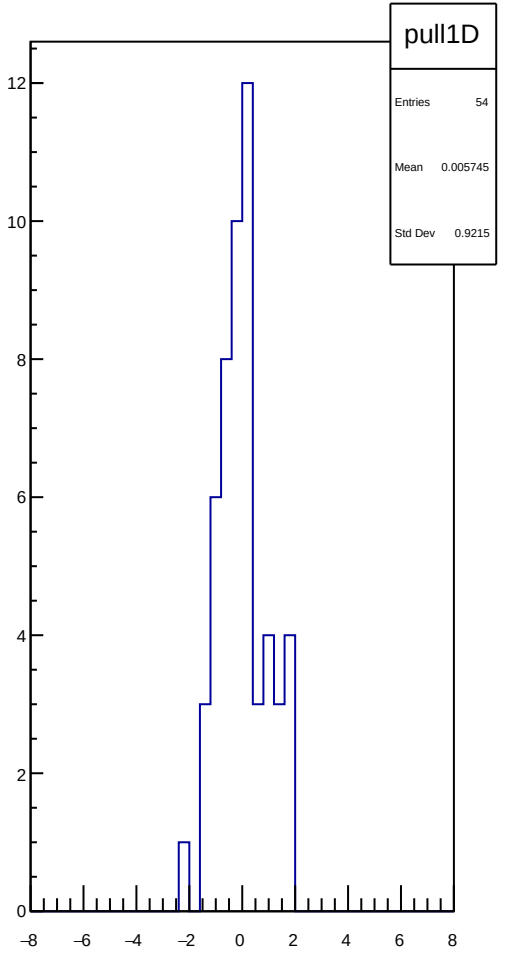

cor_asym_us_avg_at2lr_avg_avg_rms vs run
χ² / ndf 77.9 / 53
p0 2164 ± 2.103
2220
2200
2180
2160
2140
2120
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

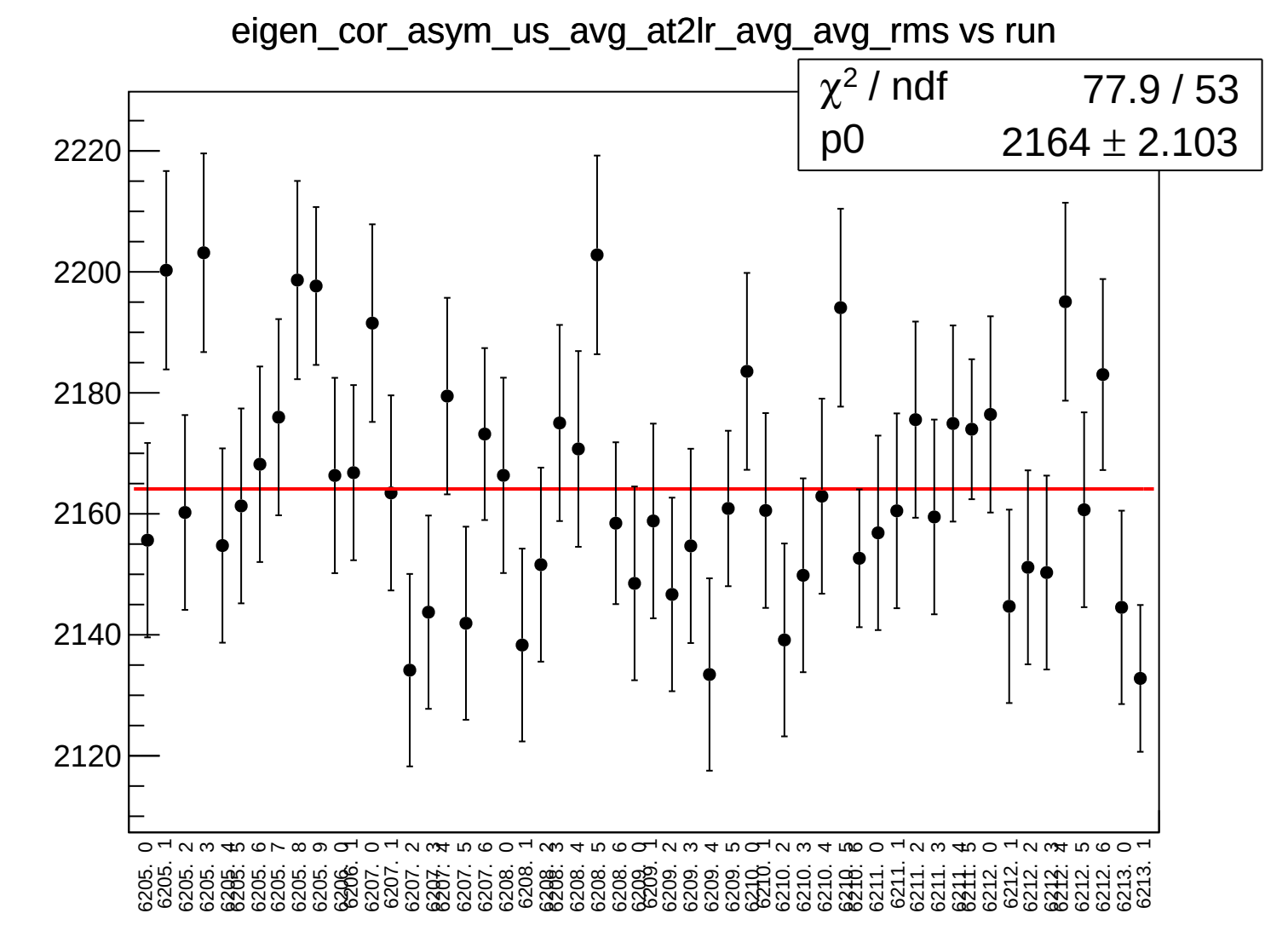

asym_us_avg_at2lr_avg_avg_cor_correction_mean vs run
×10^3
χ² / ndf 42.4 / 53
p0 9222 ± 1.578e+04
400
300
200
100
0
−100
−200
−300
pull
Entries 54
Mean −114.1
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

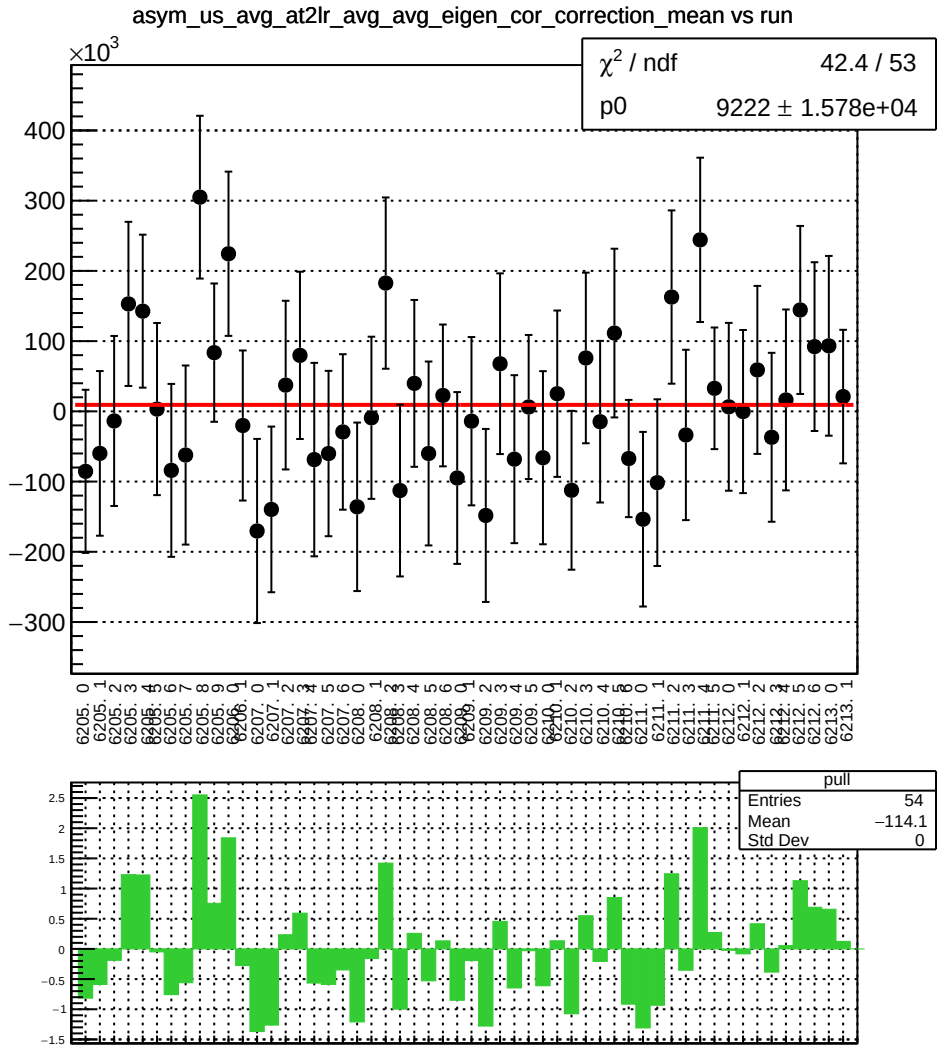

pull1D
Entries 54
Mean −0.00612
Std Dev 0.8861
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

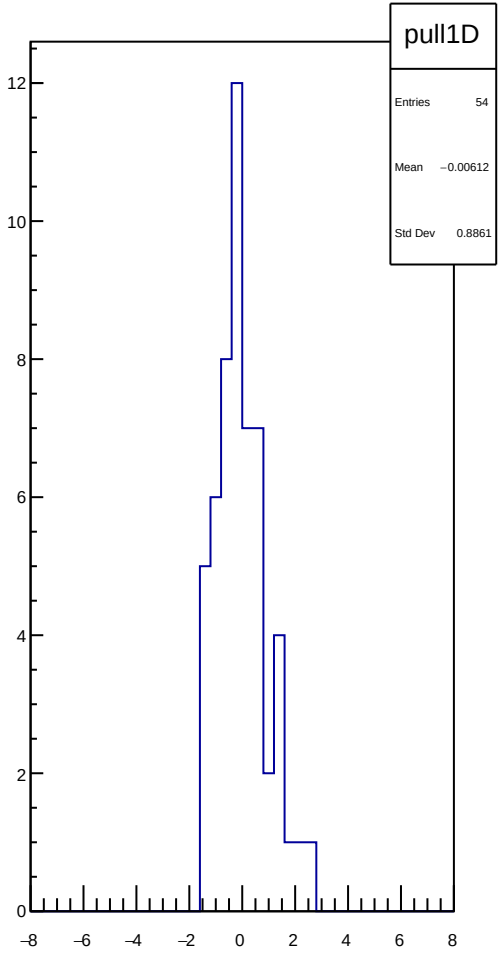

asym_us_avg_at2lr_avg_avg_cor_correction_rms vs run
χ² / ndf 1622 / 53
p0 1.148e+04 ± 11.16
13000
12500
12000
11500
11000
10500
10000
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

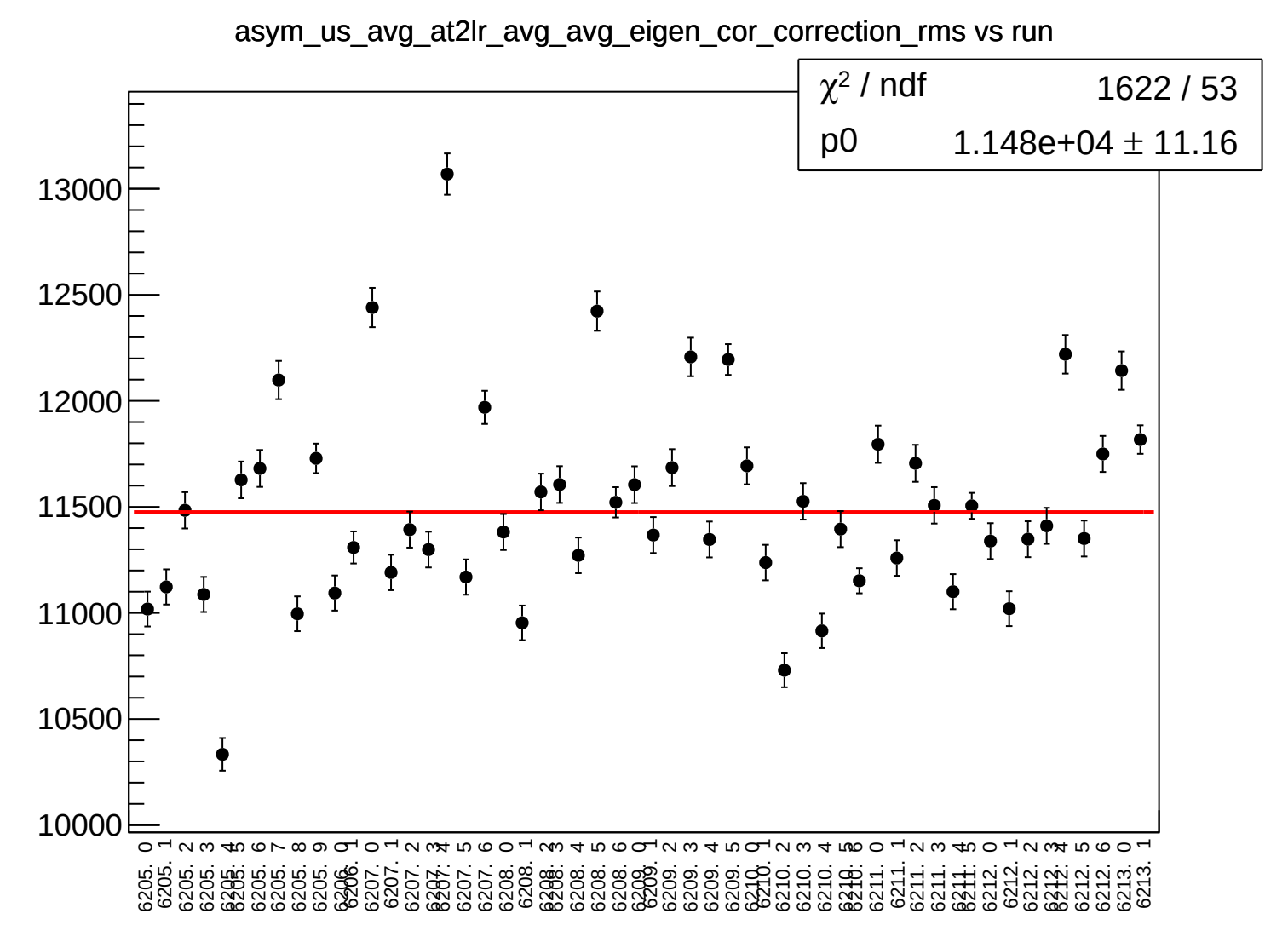

eigen_cor_asym_us_avg_at2lr_avg_avg_mean vs run
χ² / ndf 45.85 / 53
p0 3061 ± 2973
pull
Entries 54
Mean 198.9
Std Dev 0


pull1D
Entries 54
Mean 0.005745
Std Dev 0.9215


eigen_cor_asym_us_avg_at2lr_avg_avg_rms vs run
χ² / ndf 77.9 / 53
p0 2164 ± 2.103
2220
2200
2180
2160
2140
2120
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_us_avg_at2lr_avg_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 42.4 / 53
p0 9222 ± 1.578e+04
pull
Entries 54
Mean −114.1
Std Dev 0


pull1D
Entries 54
Mean −0.00612
Std Dev 0.8861


asym_us_avg_at2lr_avg_avg_eigen_cor_correction_rms vs run
χ² / ndf 1622 / 53
p0 1.148e+04 ± 11.16
13000
12500
12000
11500
11000
10500
10000
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
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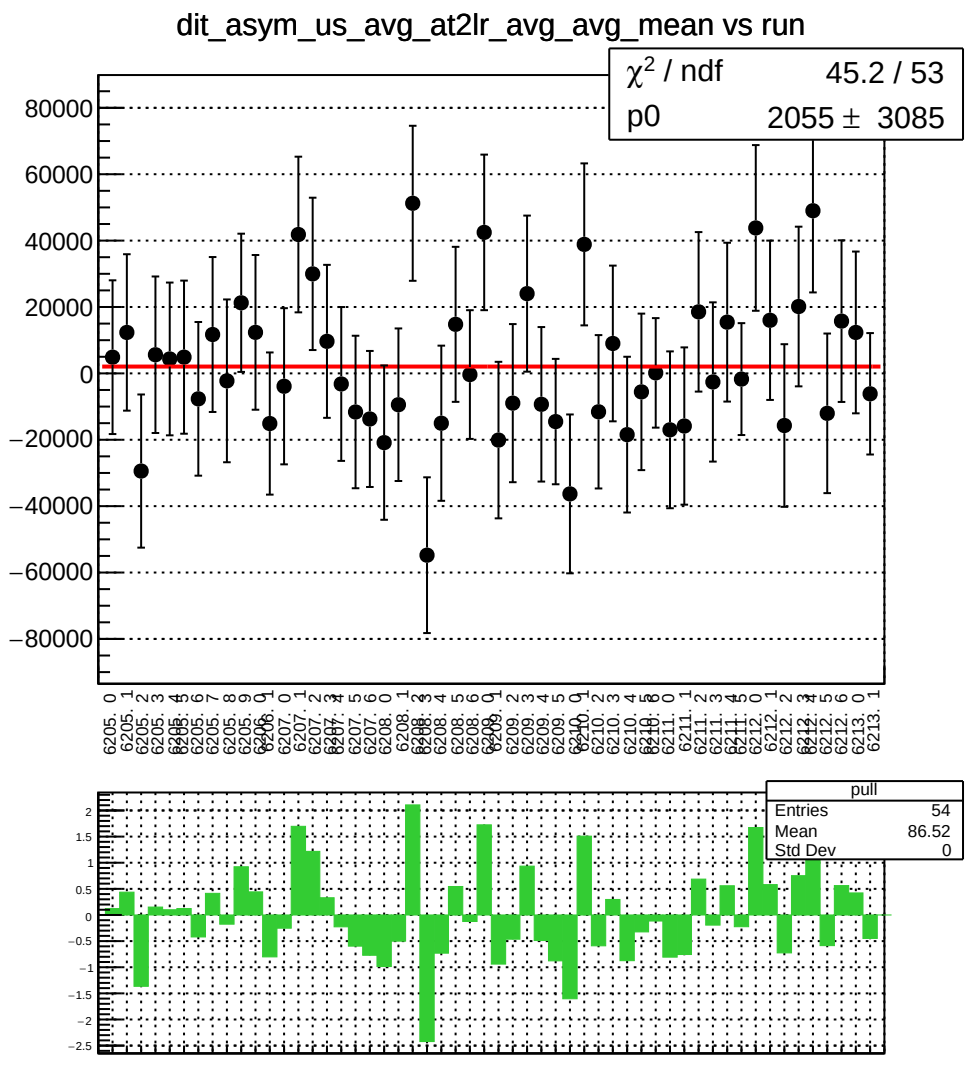
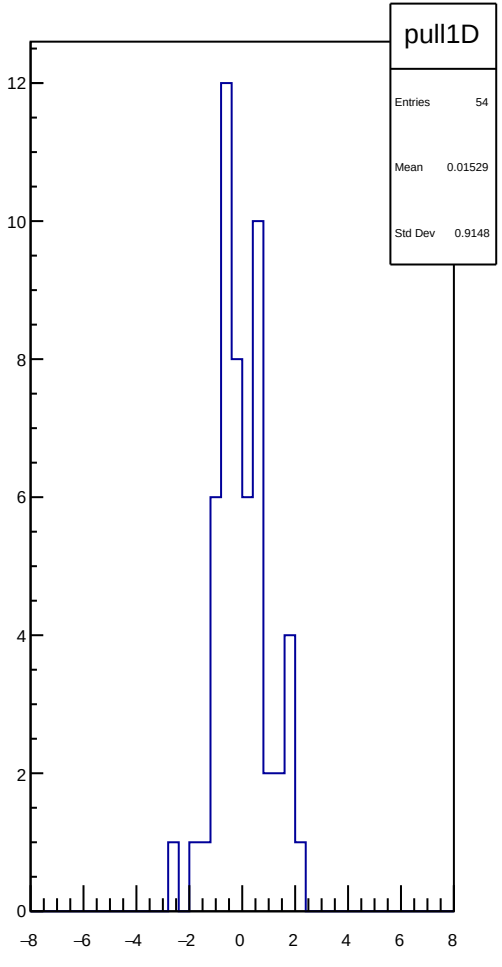
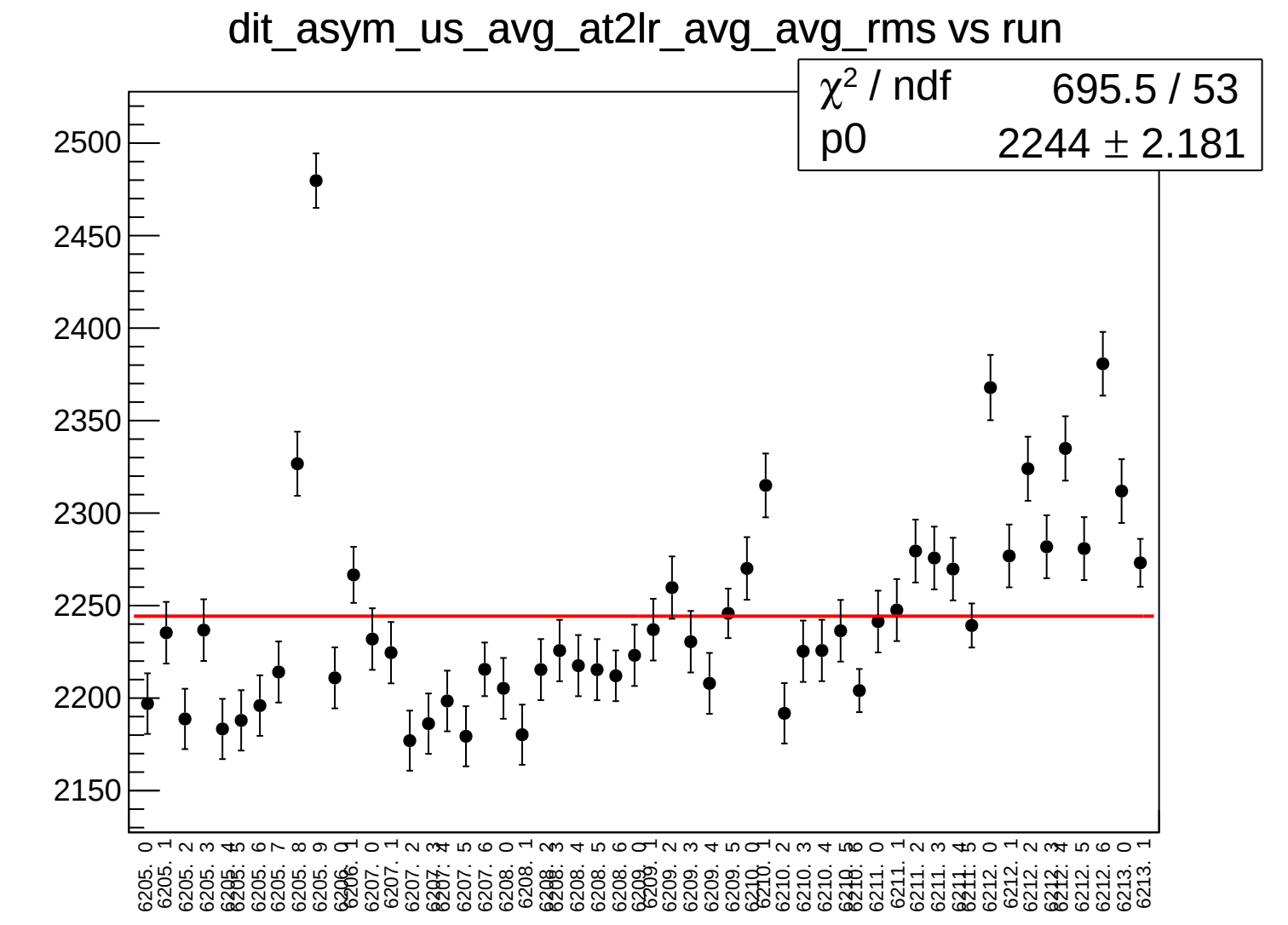
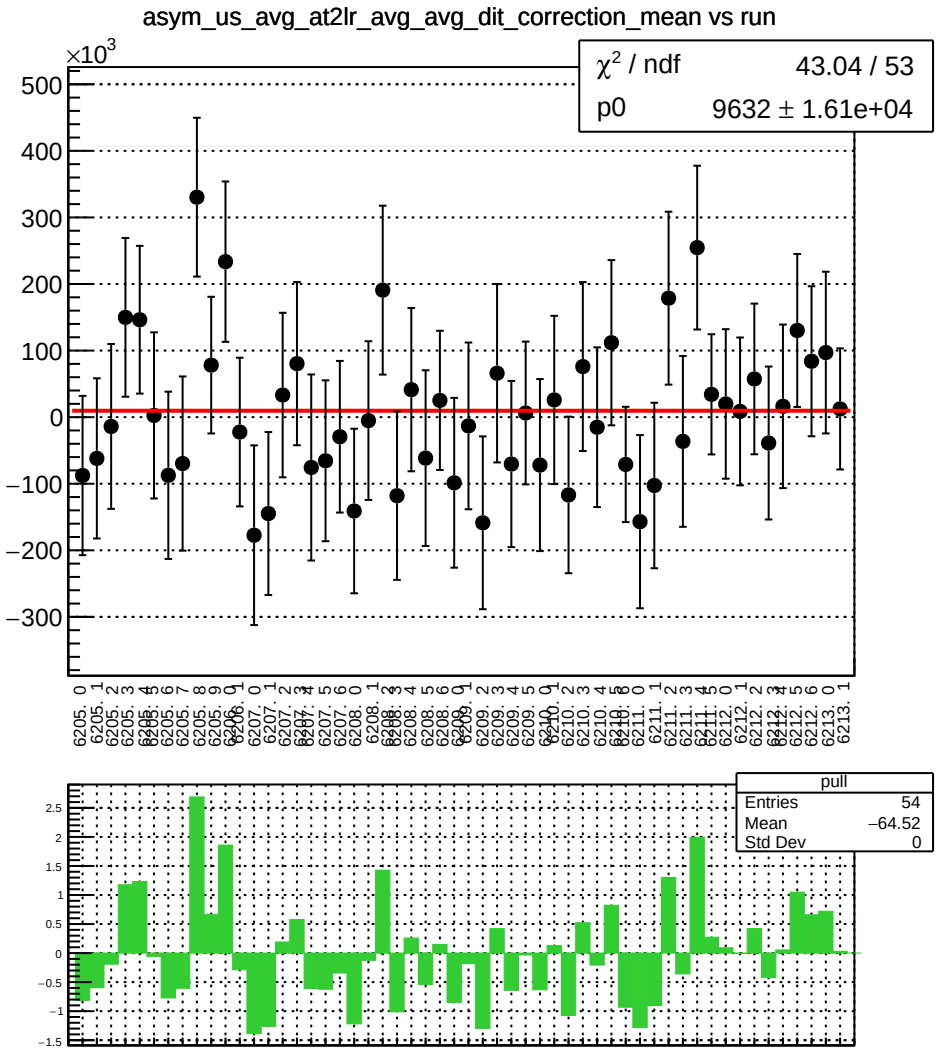
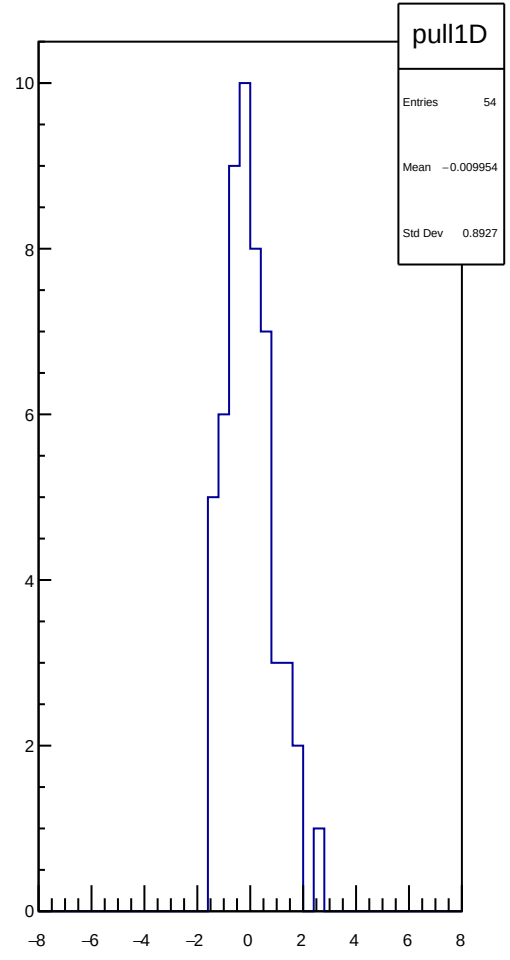
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

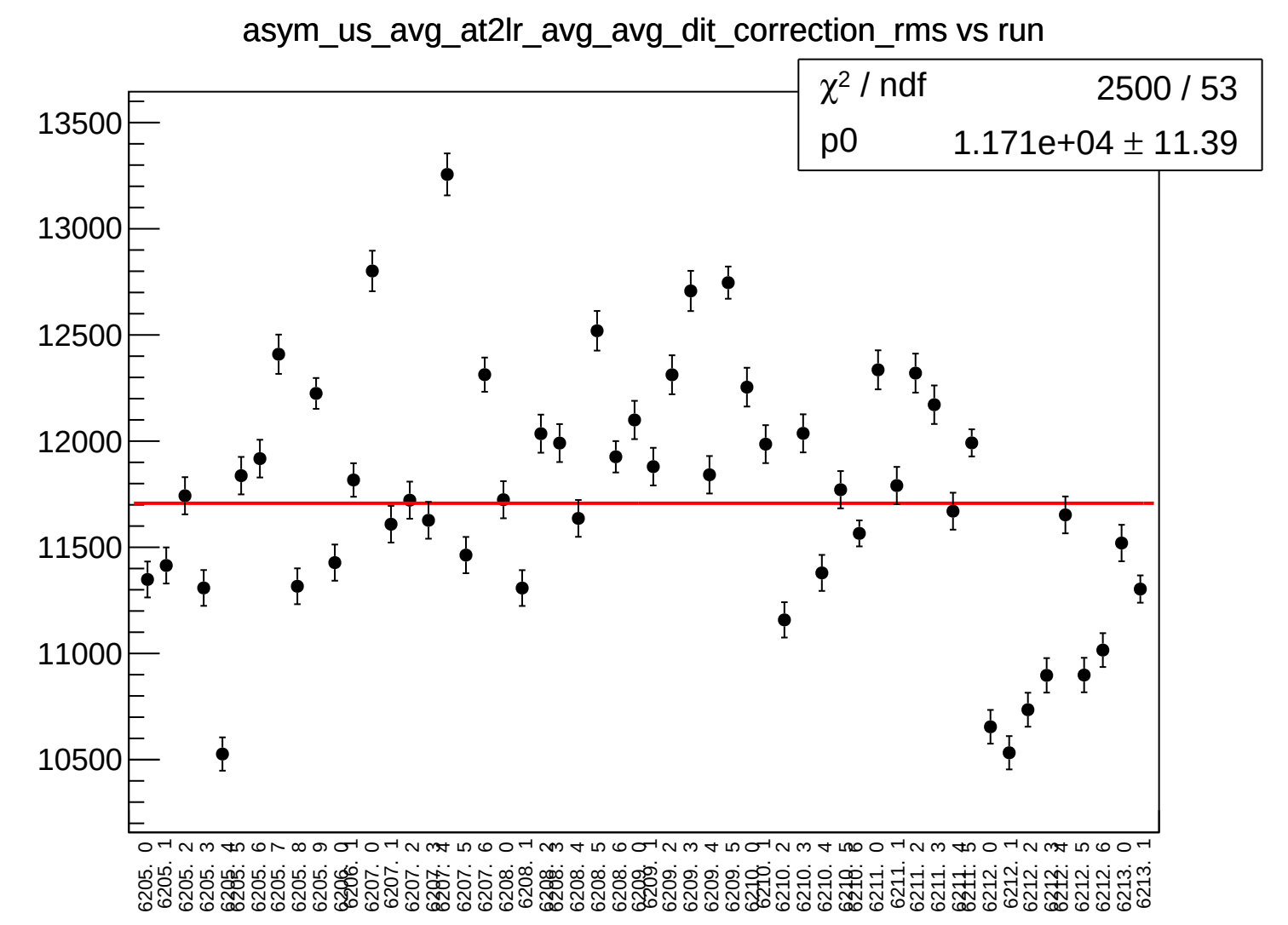

dit_asym_us_avg_at2lr_avg_avg_mean vs run
χ² / ndf 45.2 / 53
p0 2055 ± 3085
pull
Entries 54
Mean 86.52
Std Dev 0

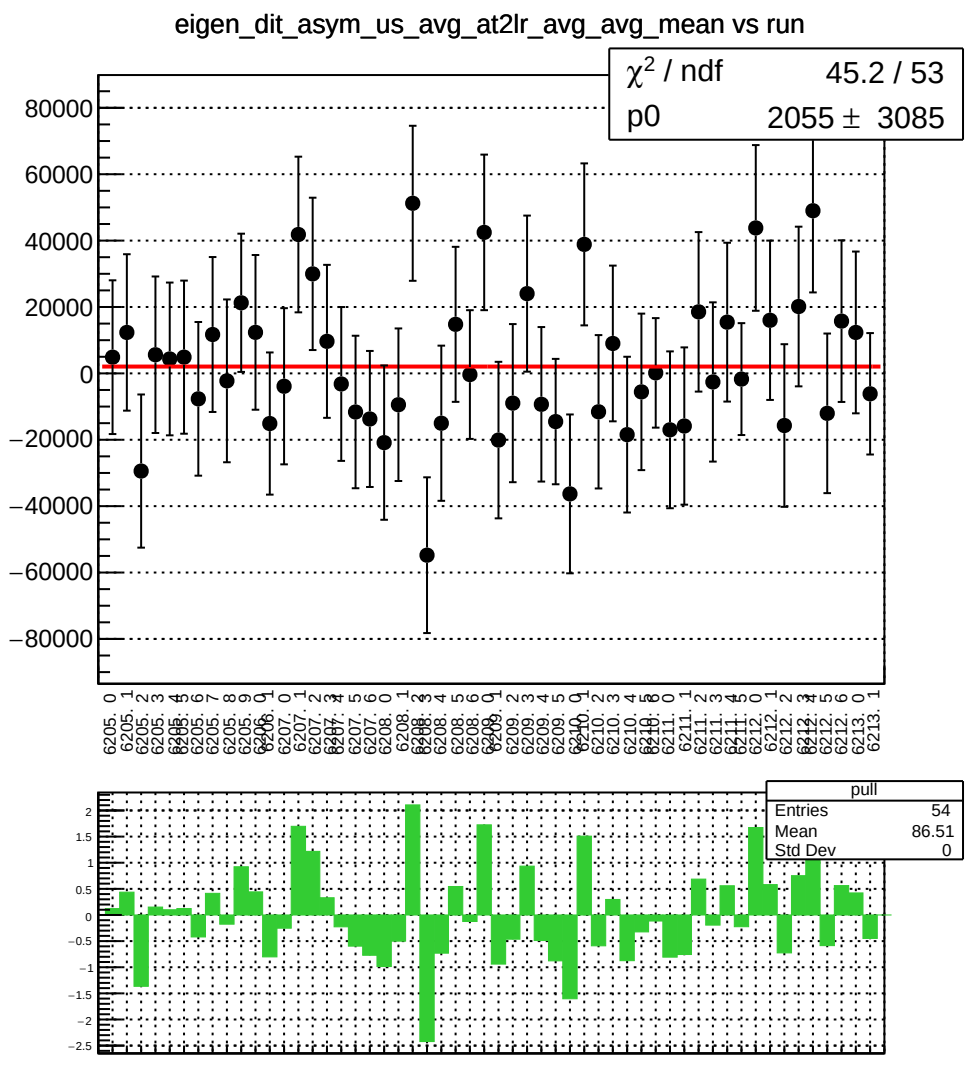

pull1D
Entries 54
Mean 0.01529
Std Dev 0.9148

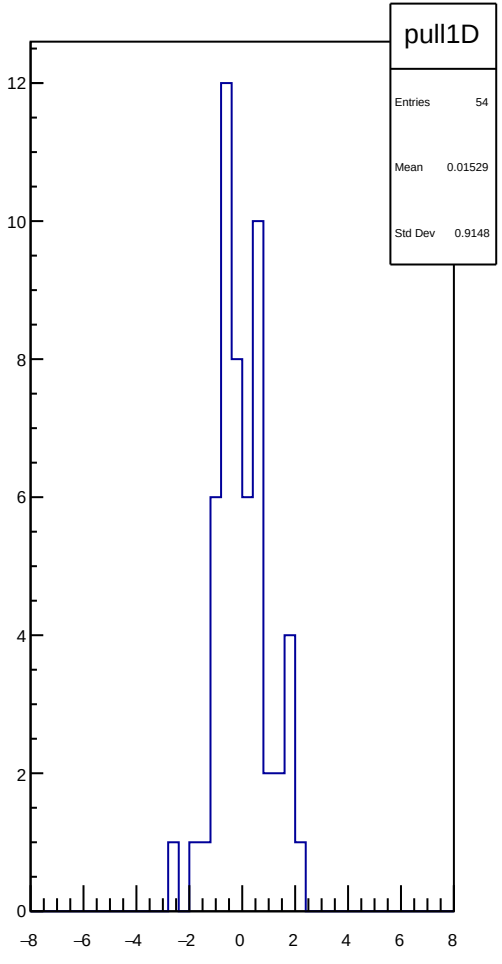

dit_asym_us_avg_at2lr_avg_avg_rms vs run
χ² / ndf 695.5 / 53
p0 2244 ± 2.181
2500
2450
2400
2350
2300
2250
2200
2150
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

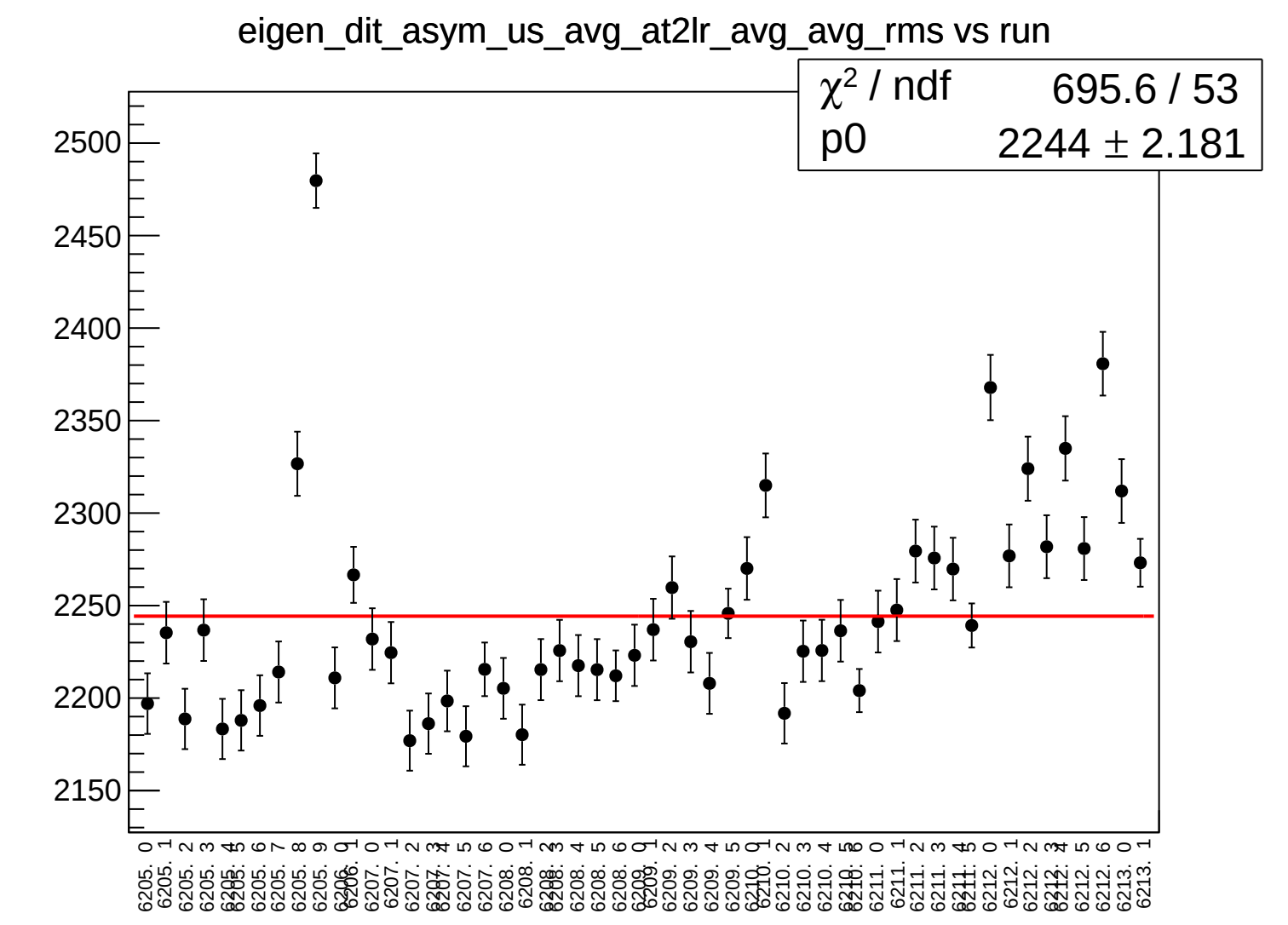

asym_us_avg_at2lr_avg_avg_dit_correction_mean vs run
×10^3
χ² / ndf 43.04 / 53
p0 9632 ± 1.61e+04
pull
Entries 54
Mean −64.52
Std Dev 0

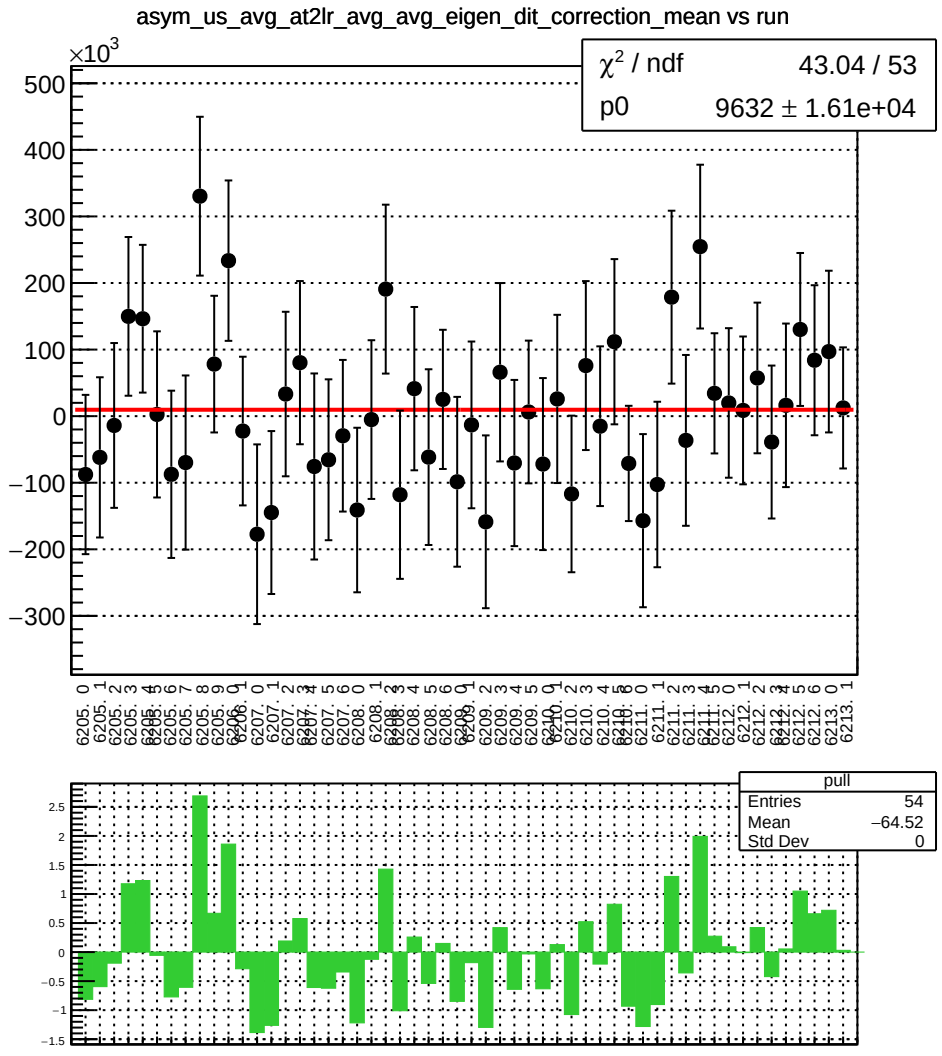

pull1D
Entries 54
Mean −0.009954
Std Dev 0.8927

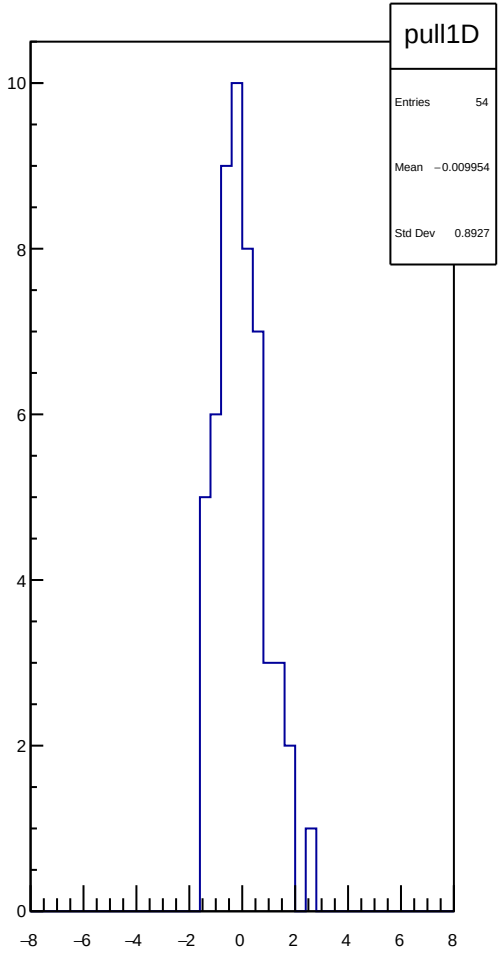

asym_us_avg_at2lr_avg_avg_dit_correction_rms vs run
χ² / ndf 2500 / 53
p0 1.171e+04 ± 11.39
13500
13000
12500
12000
11500
11000
10500

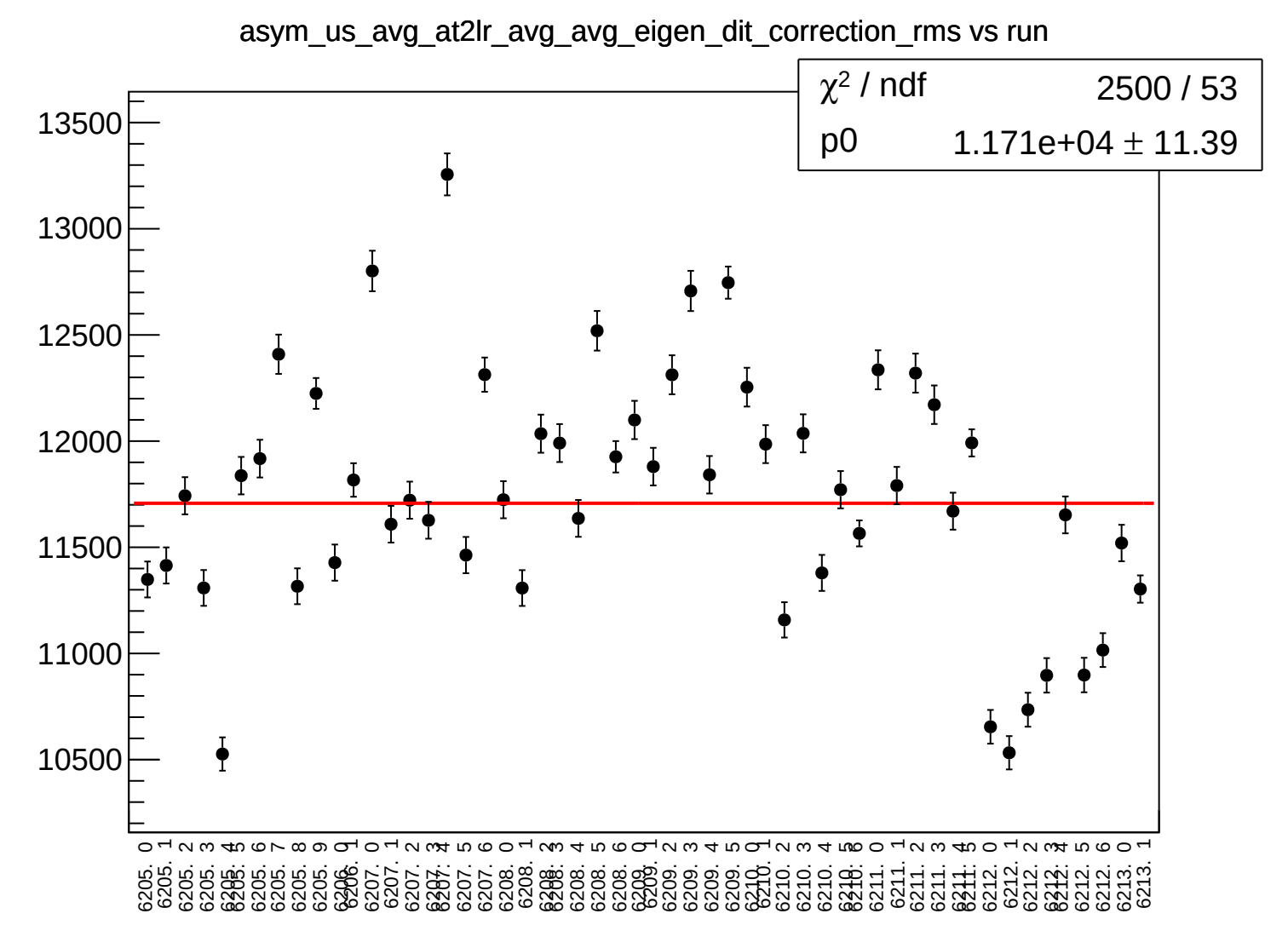

eigen_dit_asym_us_avg_at2lr_avg_avg_mean vs run
χ² / ndf 45.2 / 53
p0 2055 ± 3085
pull
Entries 54
Mean 86.51
Std Dev 0

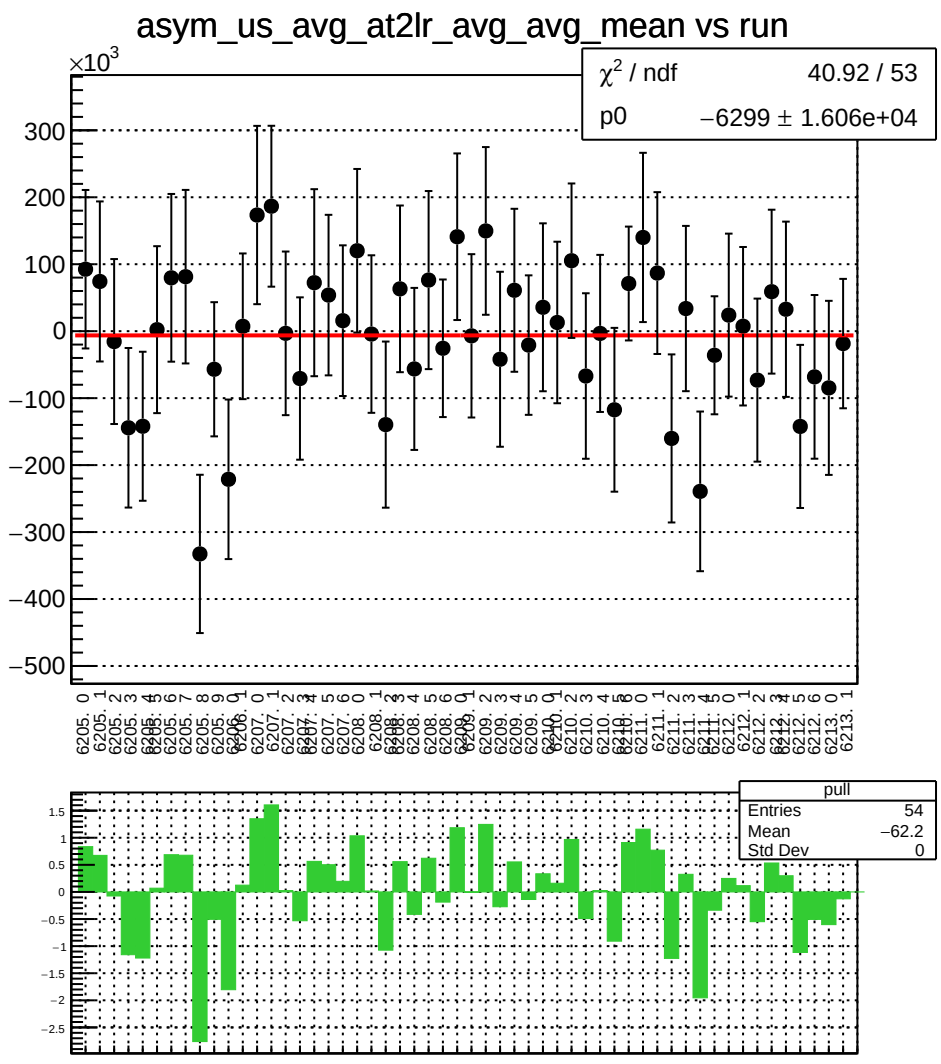

pull1D
Entries 54
Mean 0.01529
Std Dev 0.9148

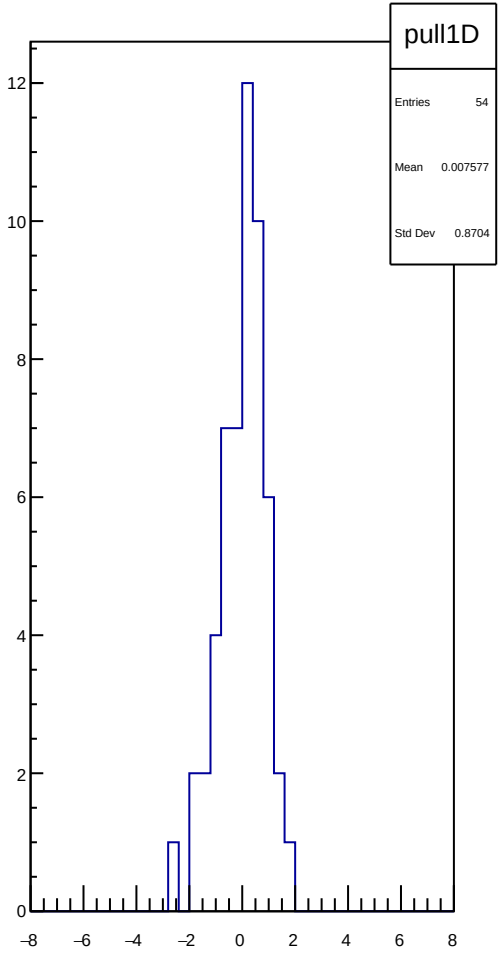

eigen_dit_asym_us_avg_at2lr_avg_avg_rms vs run
χ² / ndf 695.6 / 53
p0 2244 ± 2.181
2500
2450
2400
2350
2300
2250
2200
2150
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

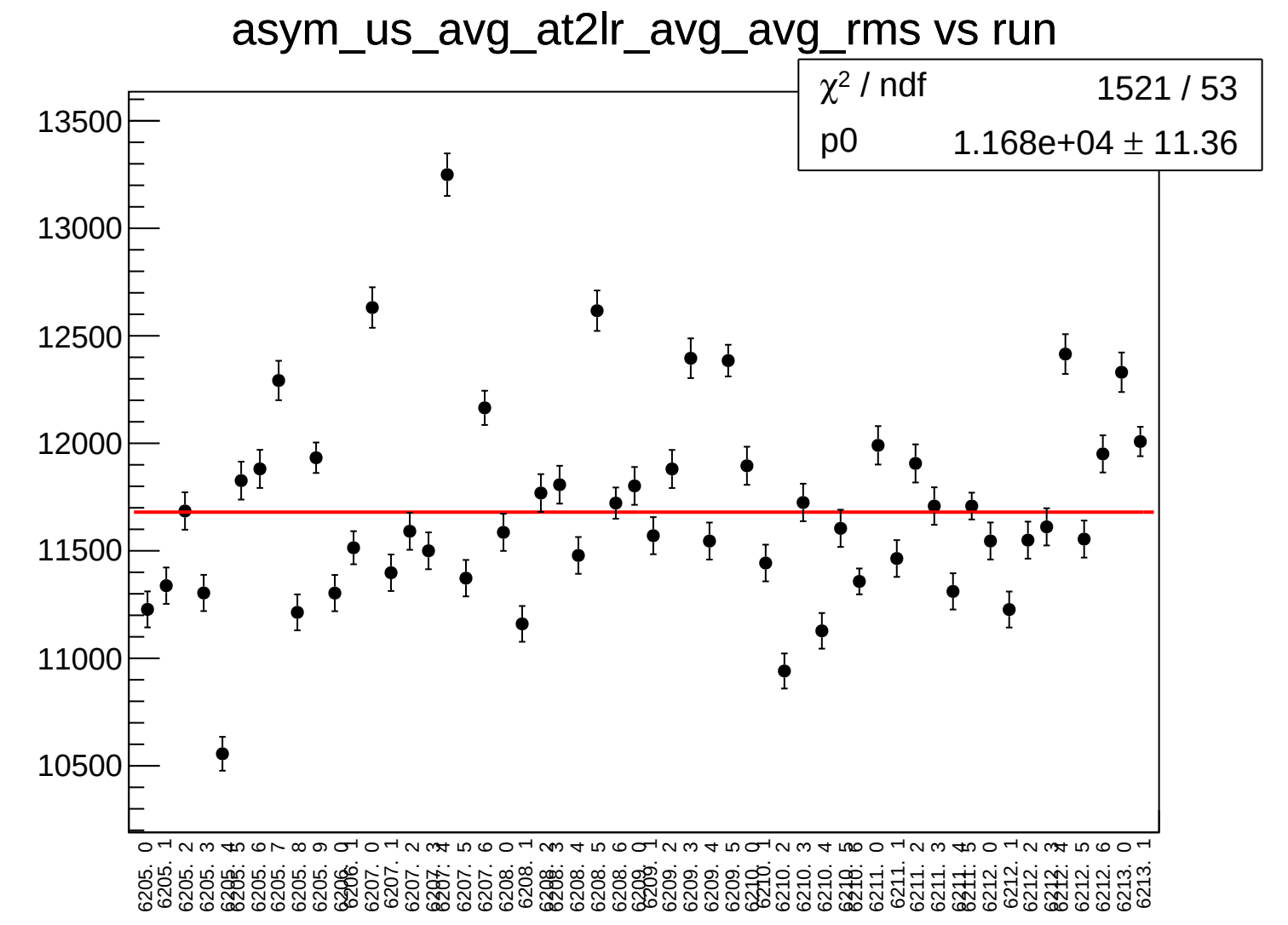

asym_us_avg_at2lr_avg_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 43.04 / 53
p0 9632 ± 1.61e+04
pull
Entries 54
Mean −64.52
Std Dev 0

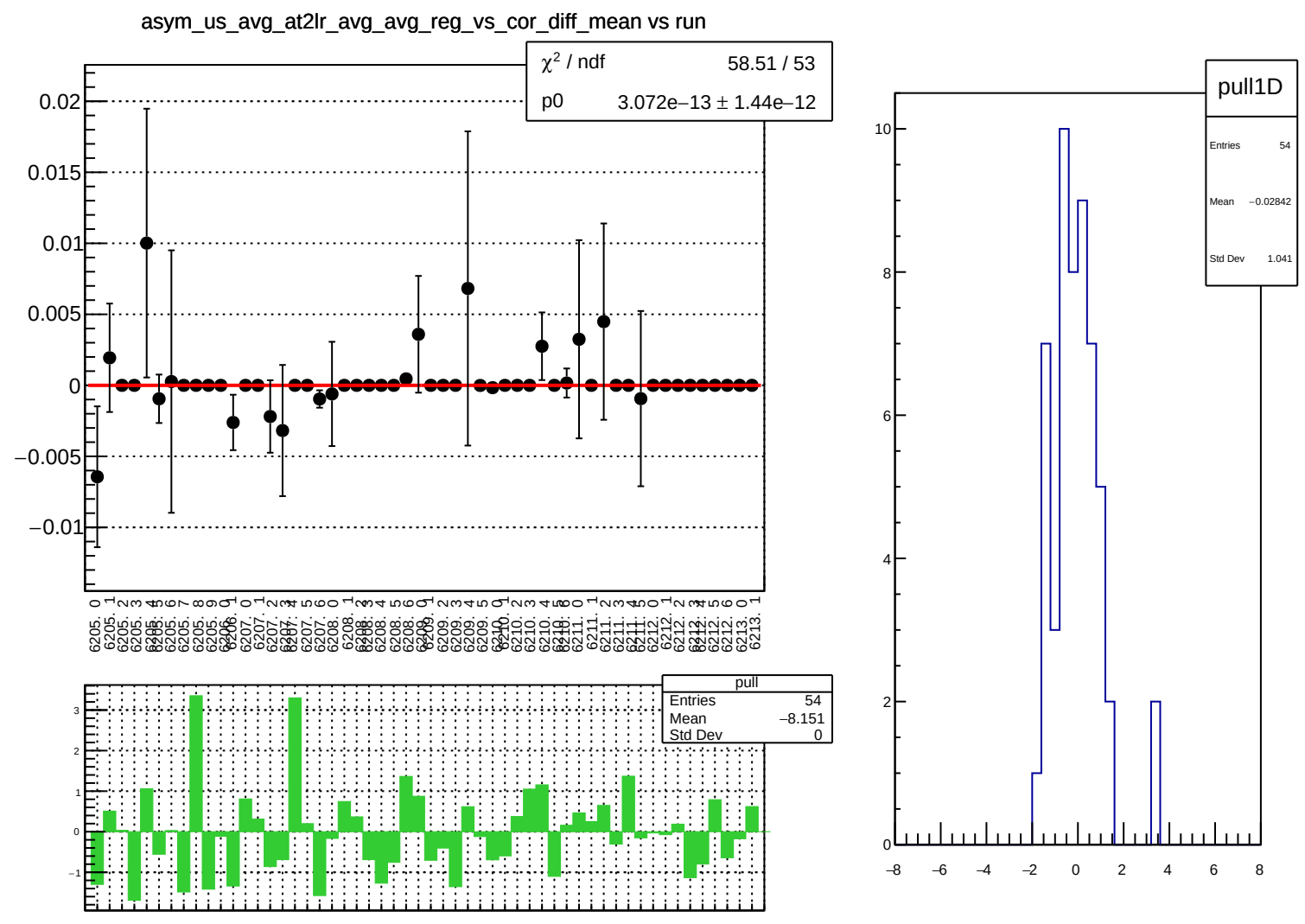

pull1D
Entries 54
Mean −0.009954
Std Dev 0.8927

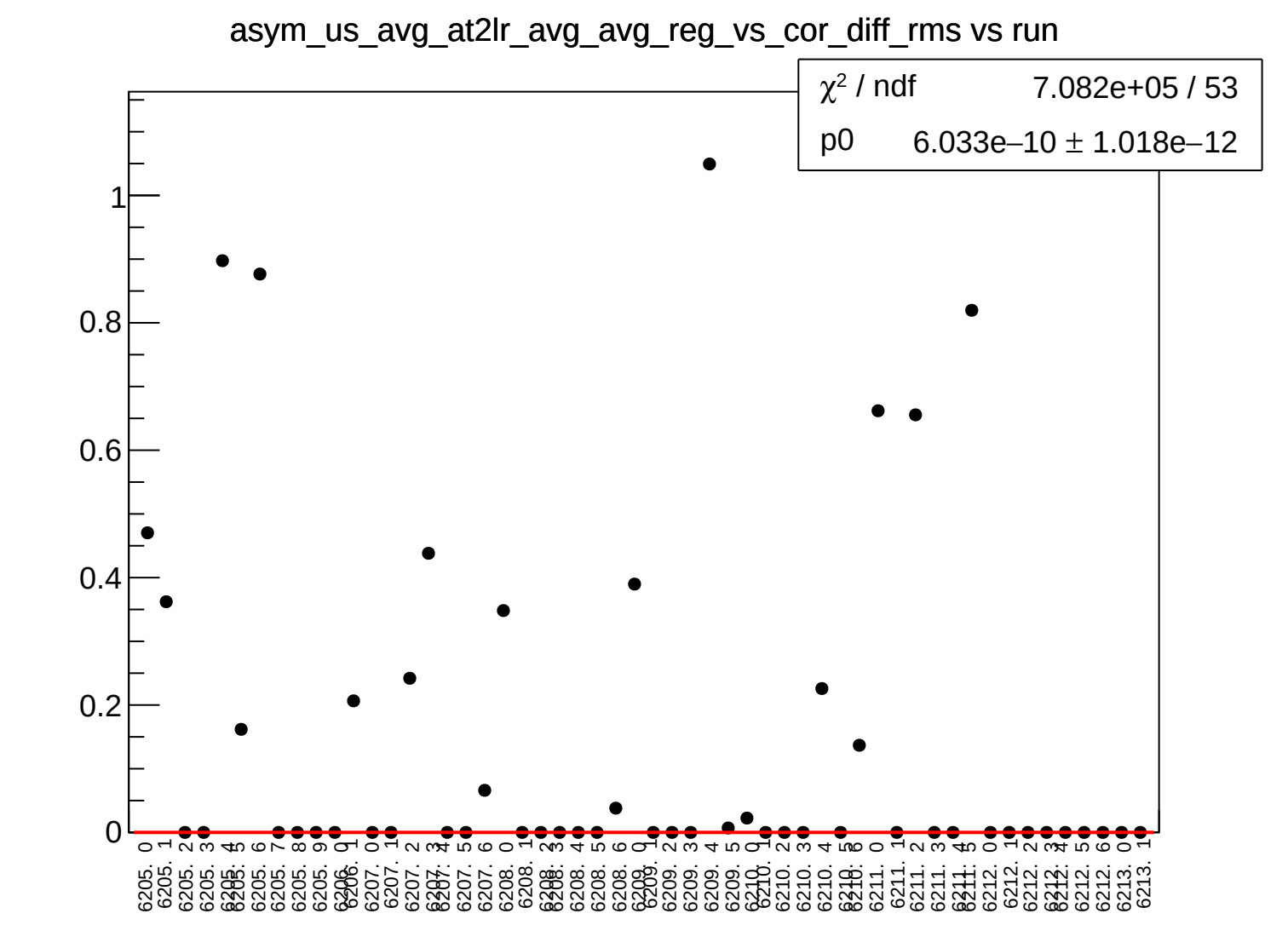

asym_us_avg_at2lr_avg_avg_eigen_dit_correction_rms vs run
χ² / ndf 2500 / 53
p0 1.171e+04 ± 11.39
13500
13000
12500
12000
11500
11000
10500
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

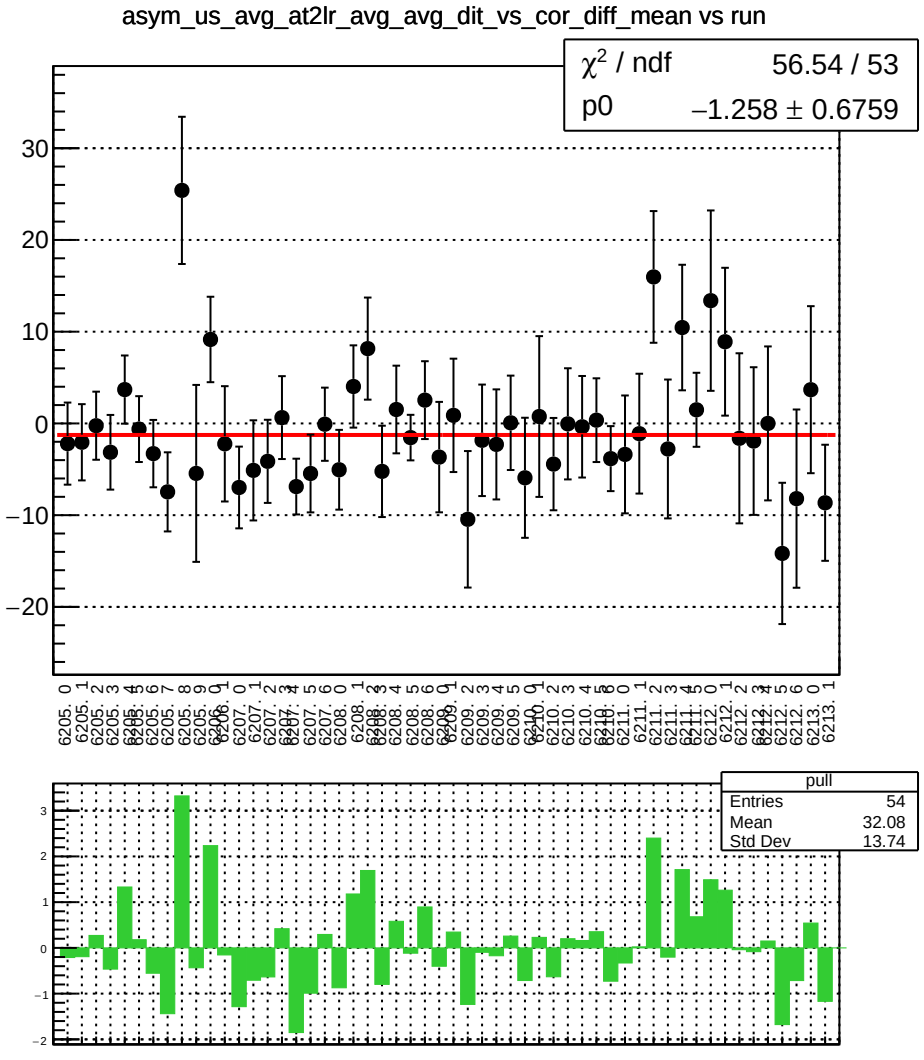

asym_us_avg_at2lr_avg_avg_mean vs run
×10^3
χ² / ndf 40.92 / 53
p0 −6299 ± 1.606e+04
300
200
100
0
−100
−200
−300
−400
−500
pull
Entries 54
Mean −62.2
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

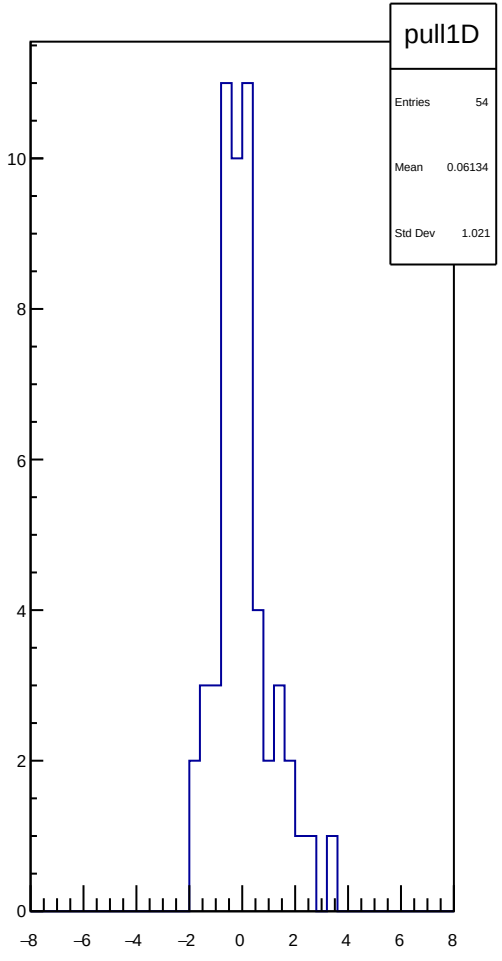

pull1D
Entries 54
Mean 0.007577
Std Dev 0.8704
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

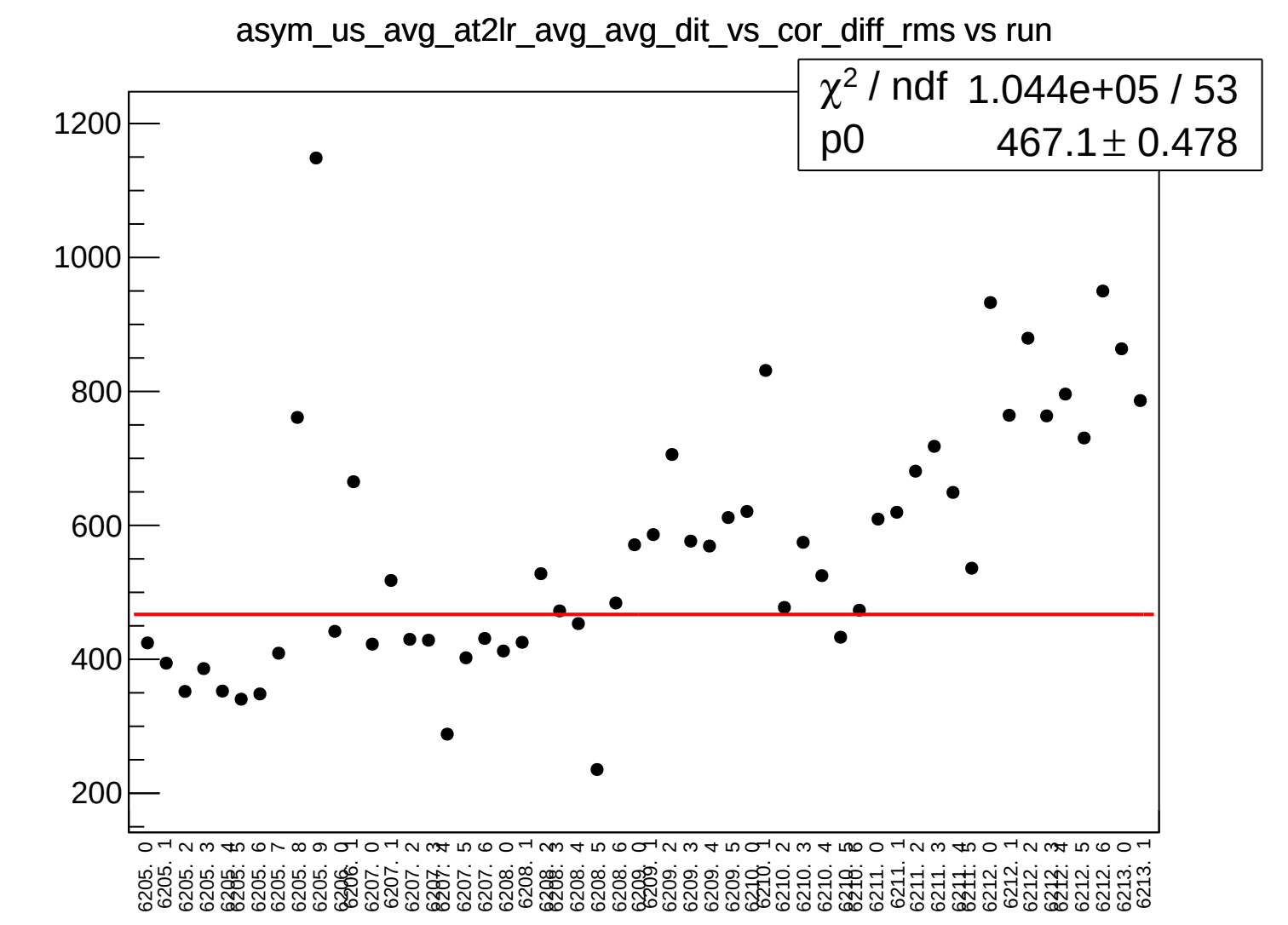

asym_us_avg_at2lr_avg_avg_rms vs run
χ² / ndf 1521 / 53
p0 1.168e+04 ± 11.36
13500
13000
12500
12000
11500
11000
10500
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

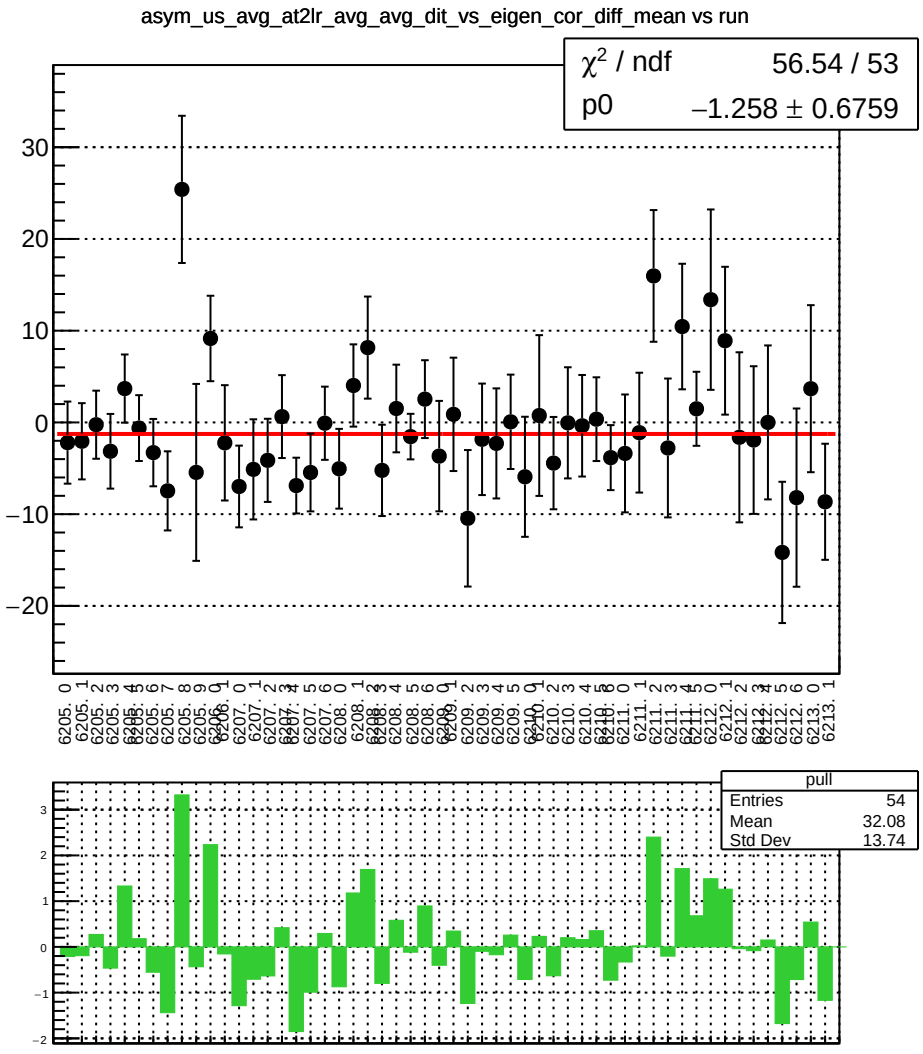

asym_us_avg_at2lr_avg_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 58.51 / 53
p0 3.072e−13 ± 1.44e−12
0.02
0.015
0.01
0.005
0
−0.005
−0.01
pull
Entries 54
Mean −8.151
Std Dev 0
pull1D
Entries 54
Mean −0.02842
Std Dev 1.041
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

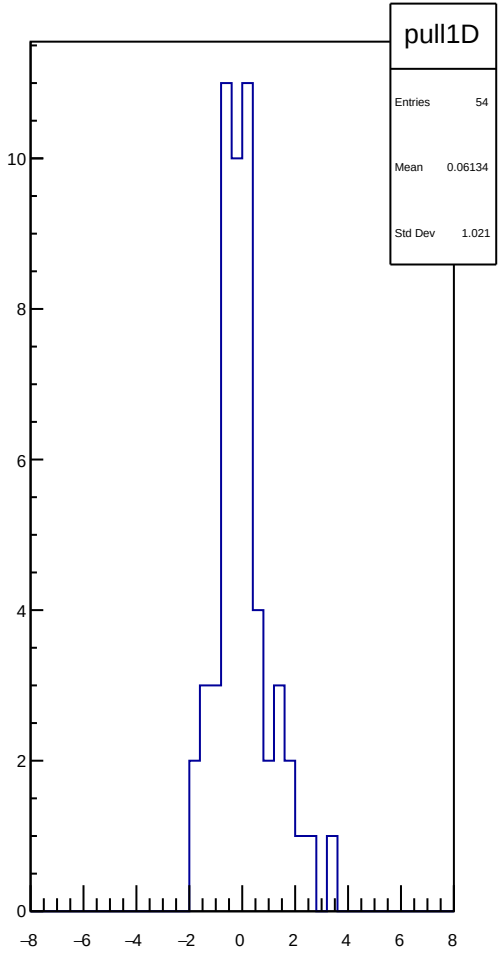

asym_us_avg_at2lr_avg_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 7.082e+05 / 53
p0 6.033e−10 ± 1.018e−12
1
0.8
0.6
0.4
0.2
0
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

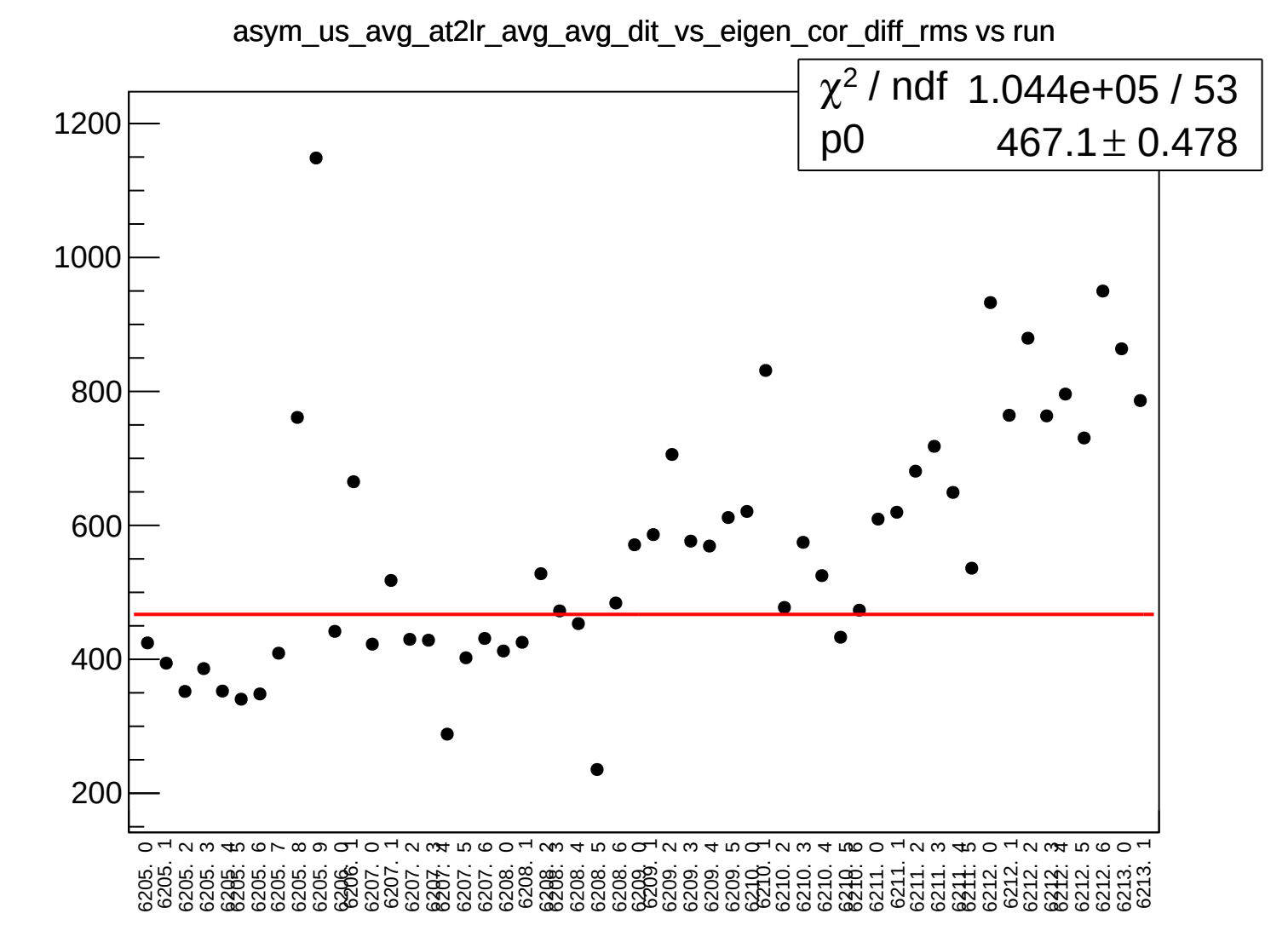

asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 56.54 / 53
p0 −1.258 ± 0.6759
pull
Entries 54
Mean 32.08
Std Dev 13.74

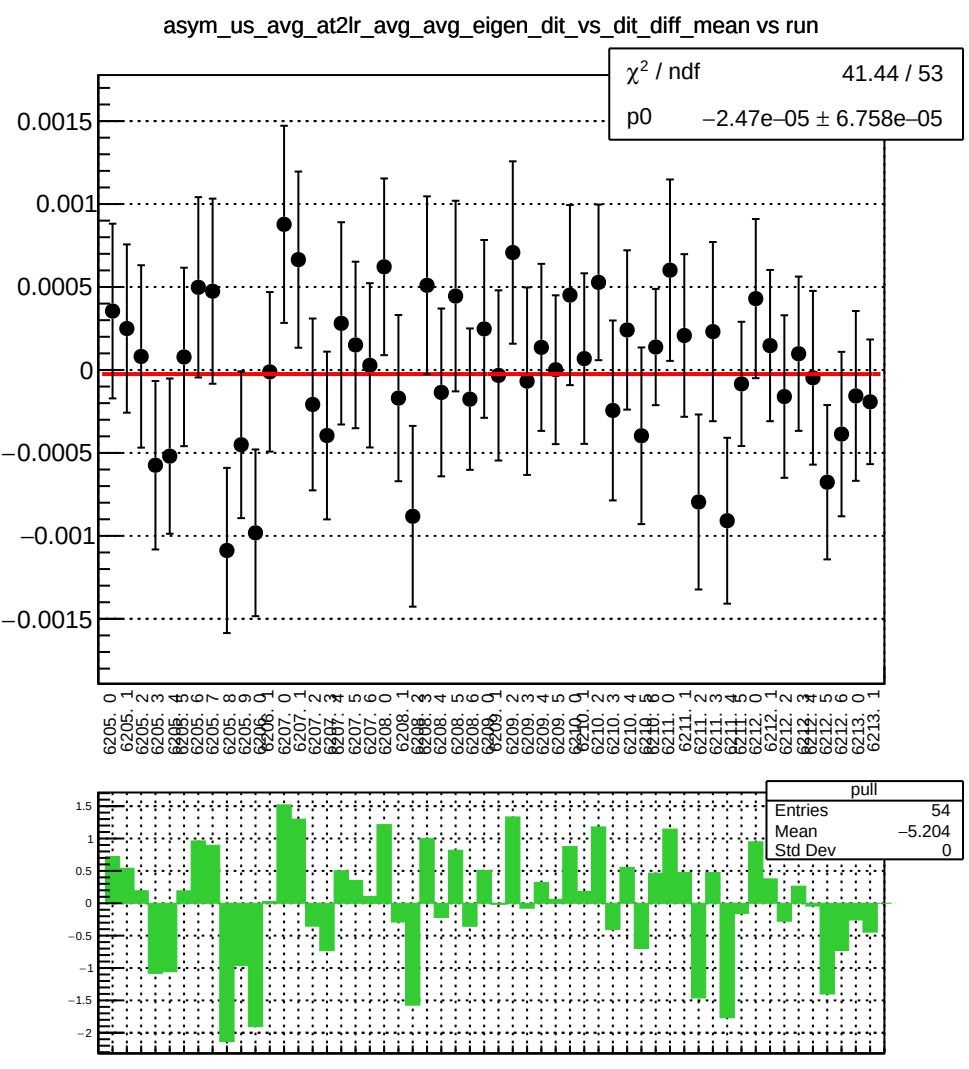

pull1D
Entries 54
Mean 0.06134
Std Dev 1.021

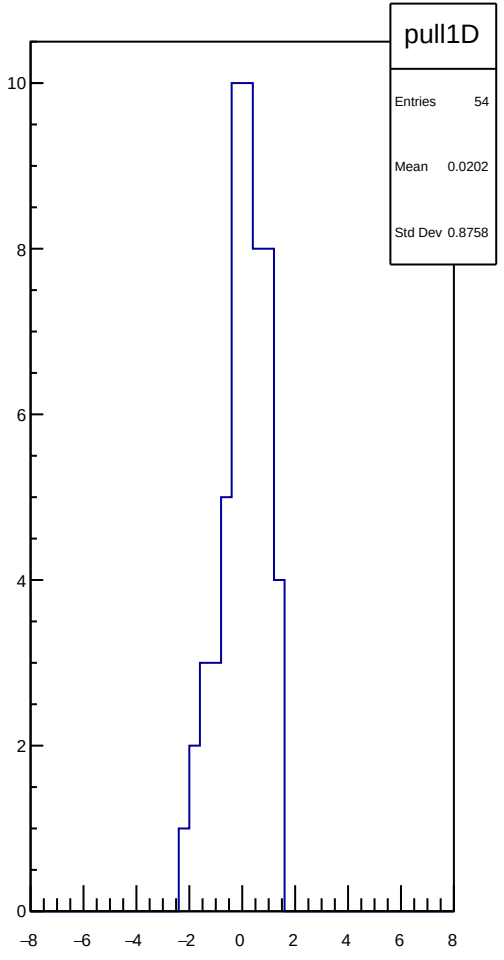

asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.044e+05 / 53
p0 467.1 ± 0.478
1200
1000
800
600
400
200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

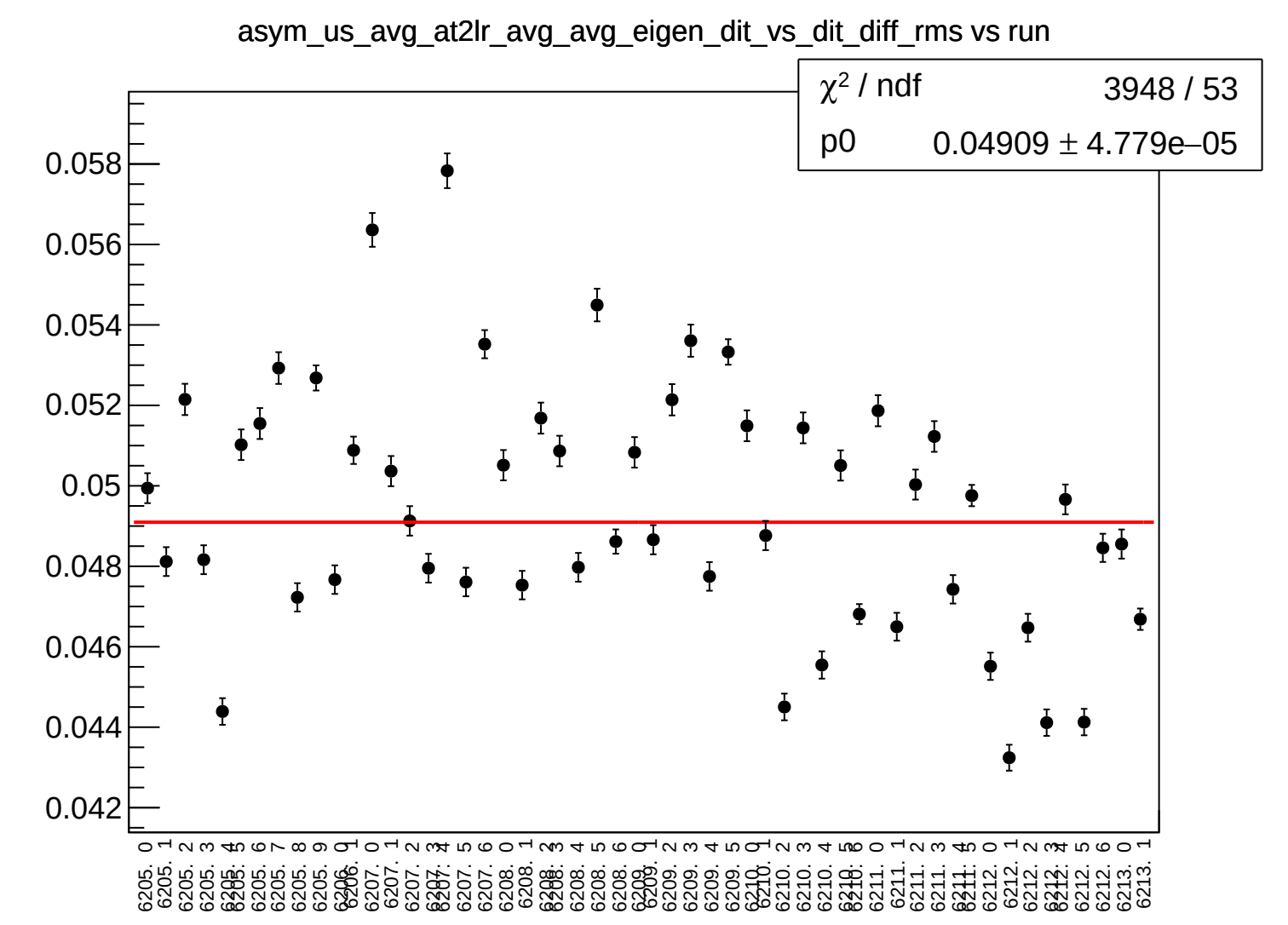

asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 56.54 / 53
p0 −1.258 ± 0.6759
pull
Entries 54
Mean 32.08
Std Dev 13.74

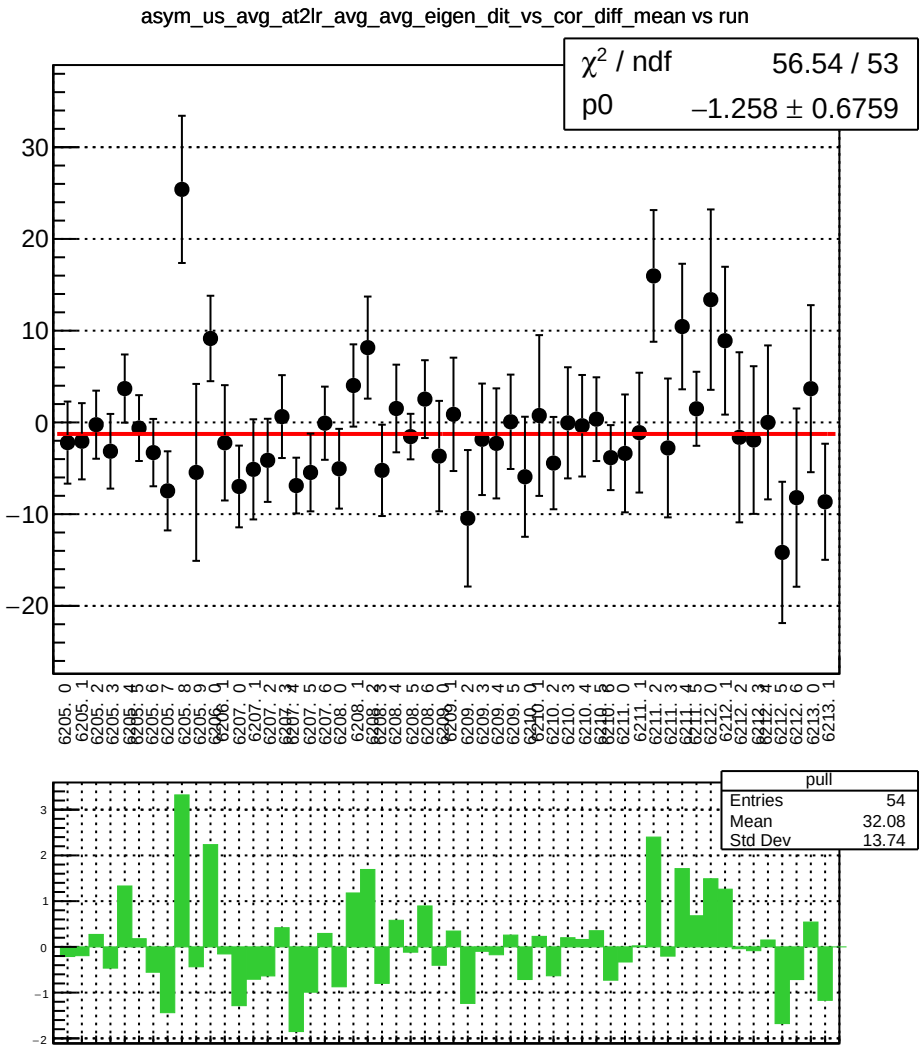

pull1D
Entries 54
Mean 0.06134
Std Dev 1.021

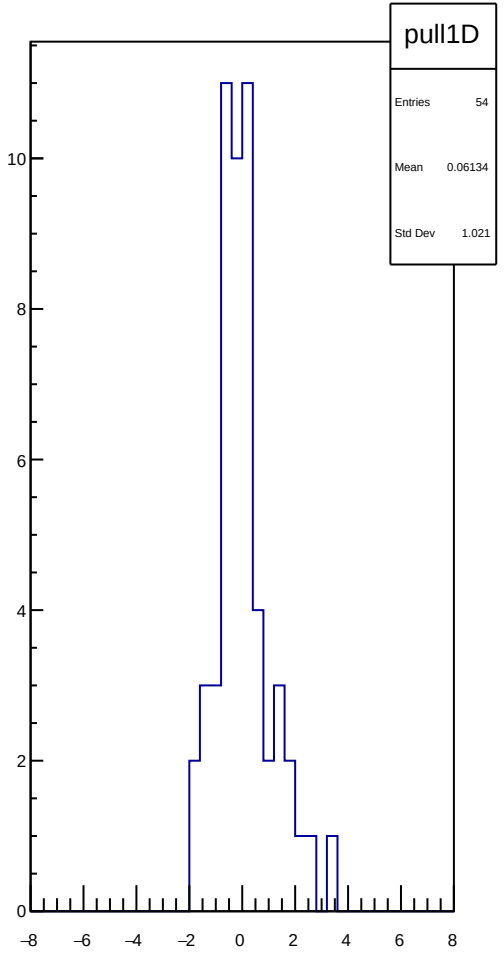

asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.044e+05 / 53
p0 467.1 ± 0.478
1200
1000
800
600
400
200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

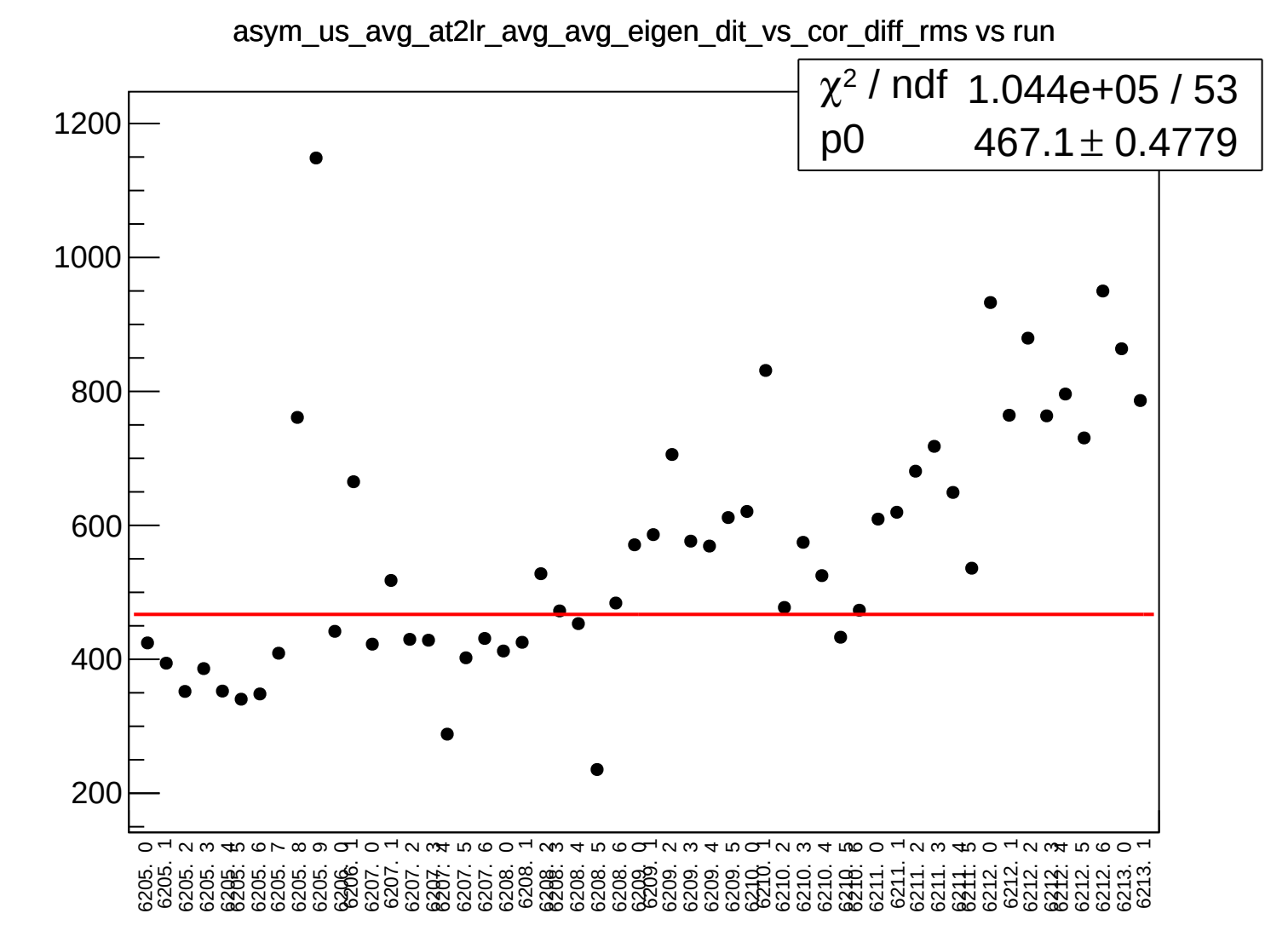

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 41.44 / 53
p0 −2.47e−05 ± 6.758e−05
pull
Entries 54
Mean −5.204
Std Dev 0

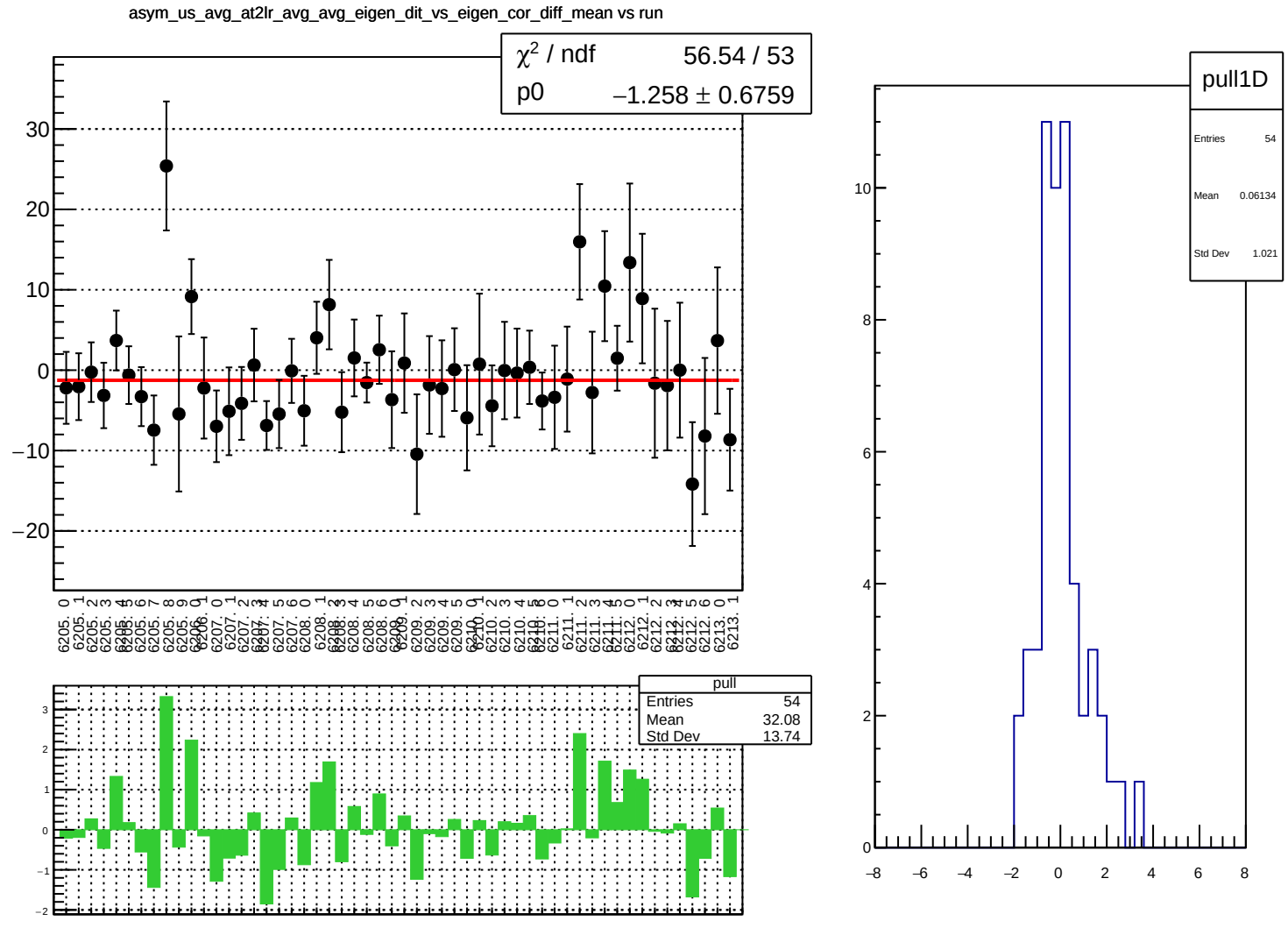

pull1D
Entries 54
Mean 0.0202
Std Dev 0.8758

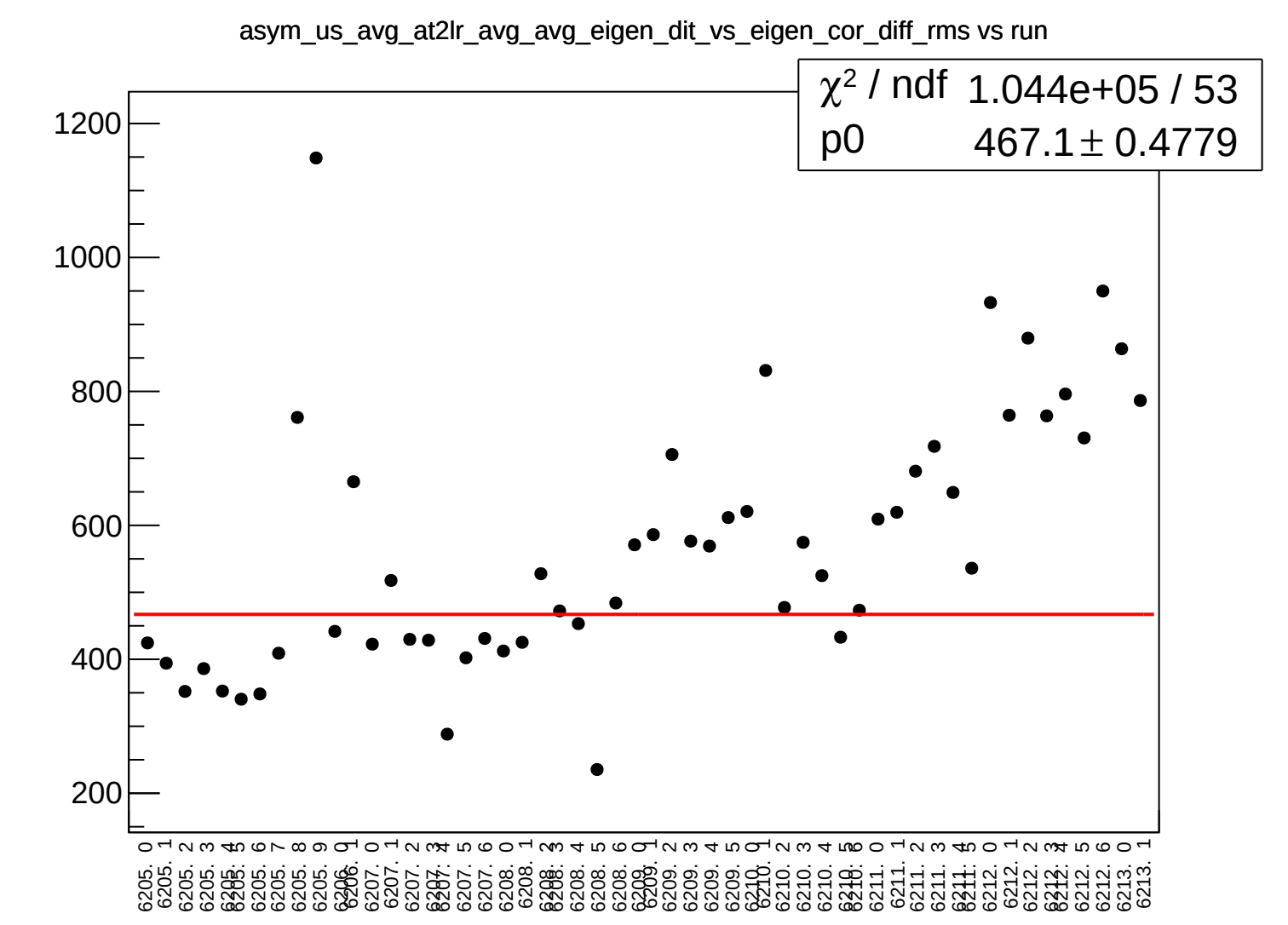

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3948 / 53
p0 0.04909 ± 4.779e−05
0.058
0.056
0.054
0.052
0.05
0.048
0.046
0.044
0.042

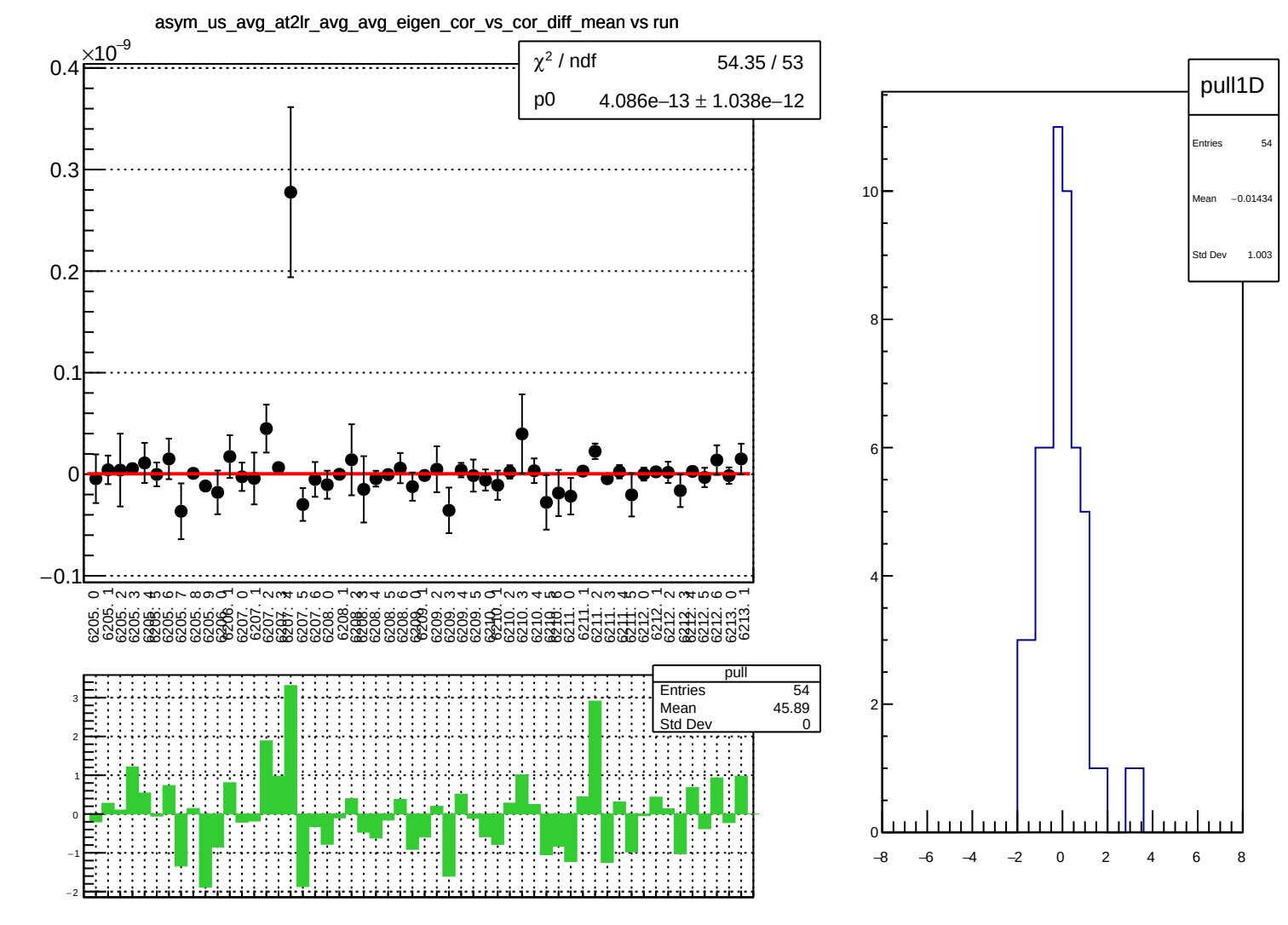

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 56.54 / 53
p0 −1.258 ± 0.6759
pull
Entries 54
Mean 32.08
Std Dev 13.74

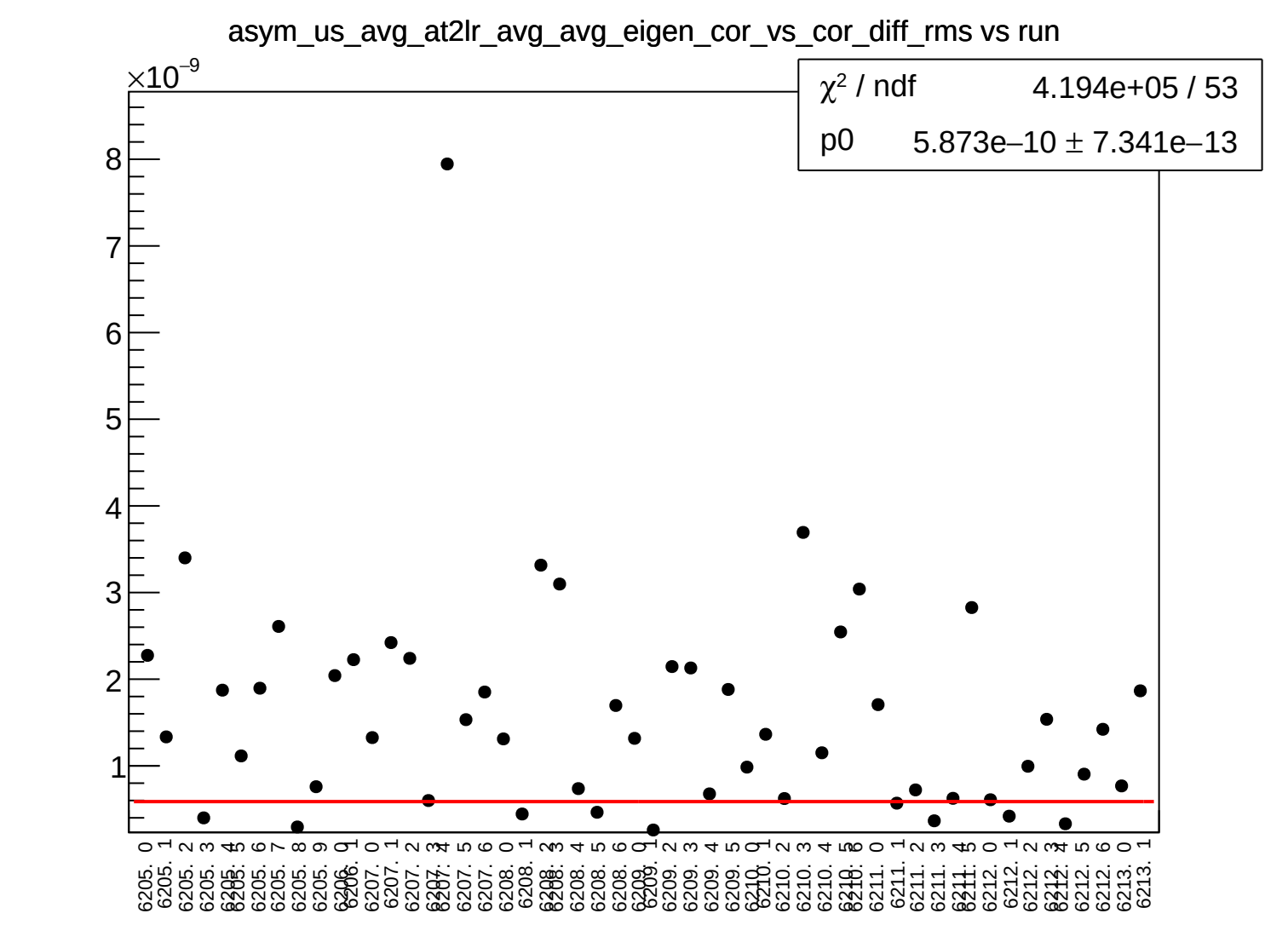

pull1D
Entries 54
Mean 0.06134
Std Dev 1.021

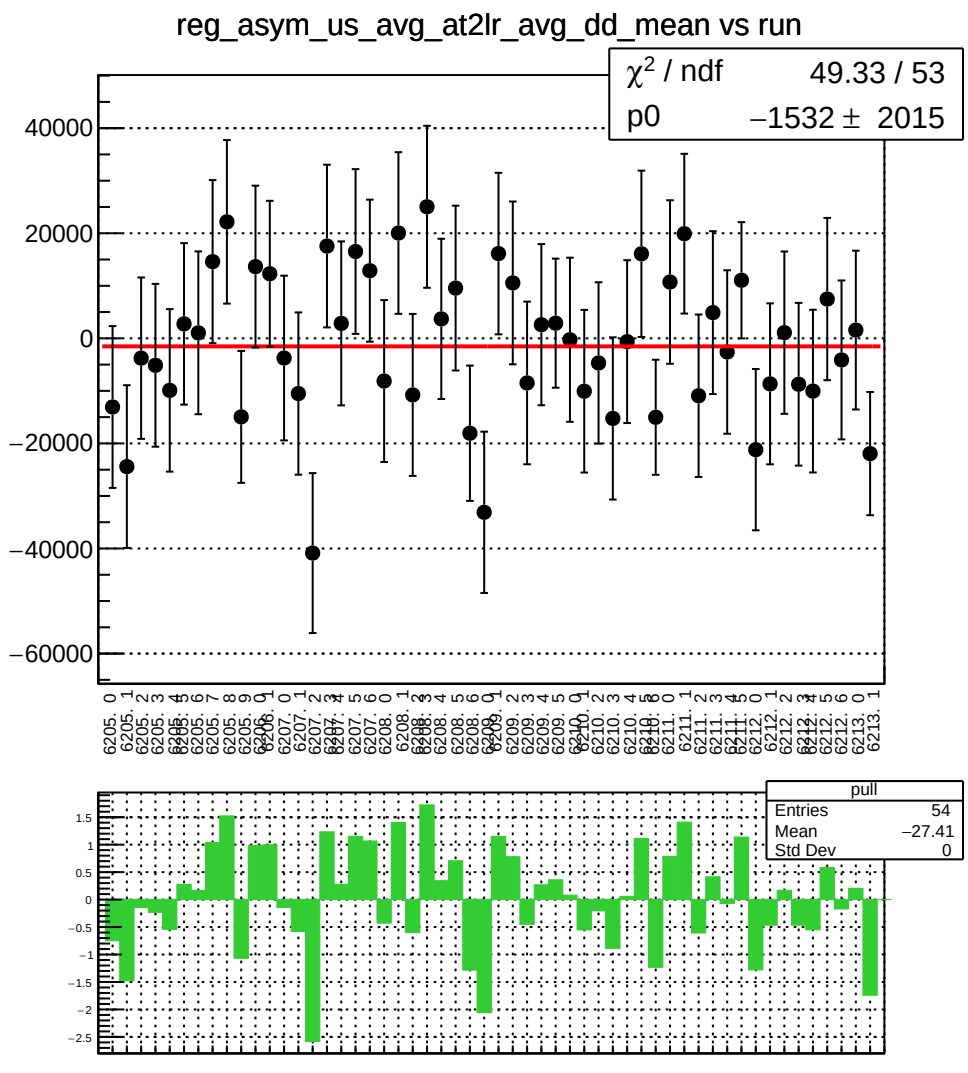

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.044e+05 / 53
p0 467.1 ± 0.4779
1200
1000
800
600
400
200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

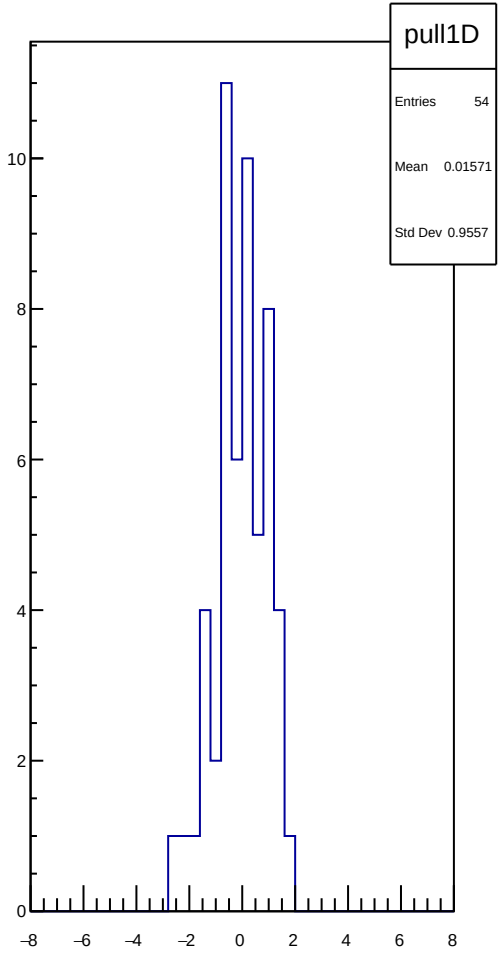

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 56.54 / 53
p0 −1.258 ± 0.6759
pull
Entries 54
Mean 32.08
Std Dev 13.74
pull1D
Entries 54
Mean 0.06134
Std Dev 1.021

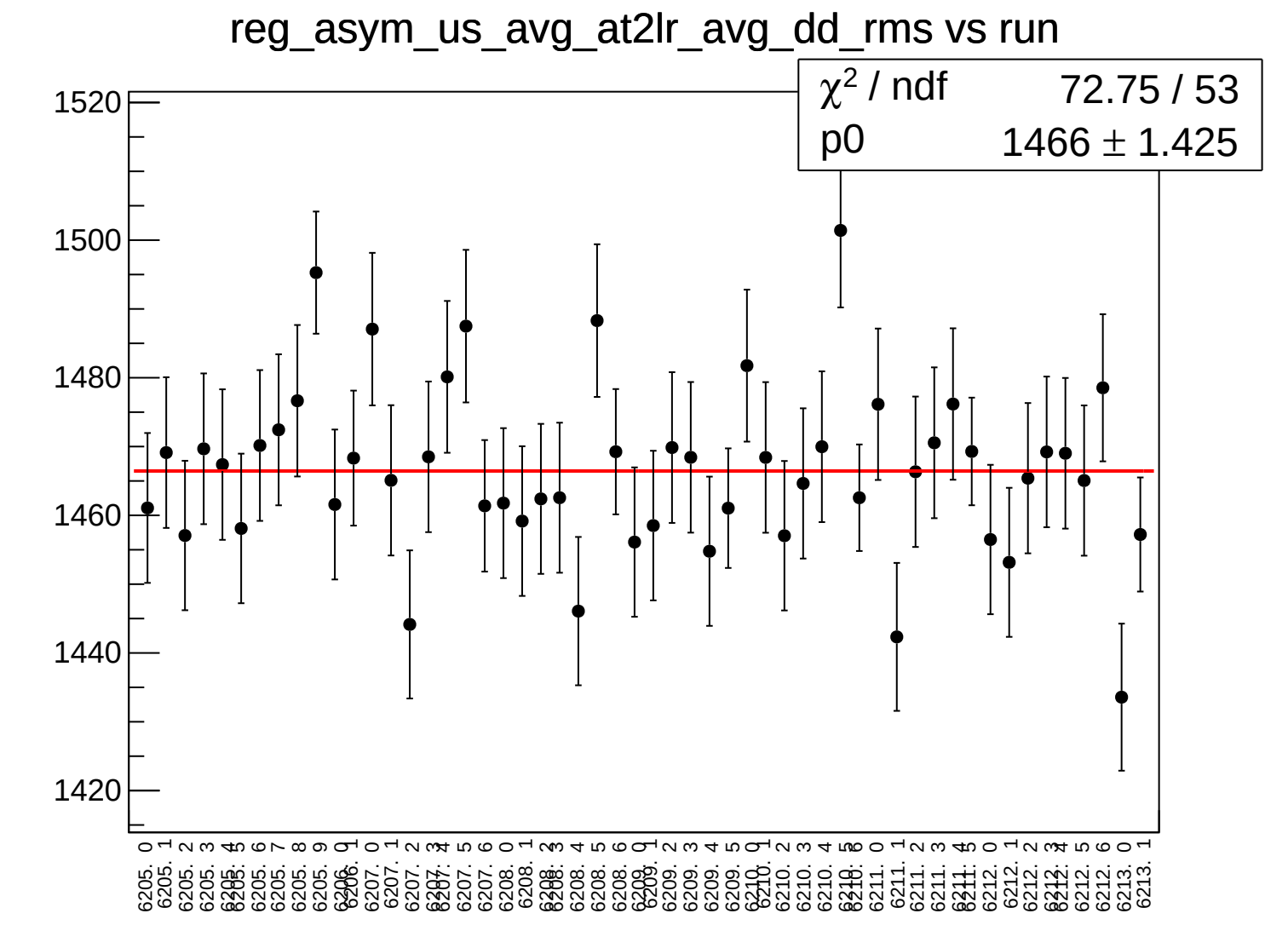

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.044e+05 / 53
p0 467.1 ± 0.4779
1200
1000
800
600
400
200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

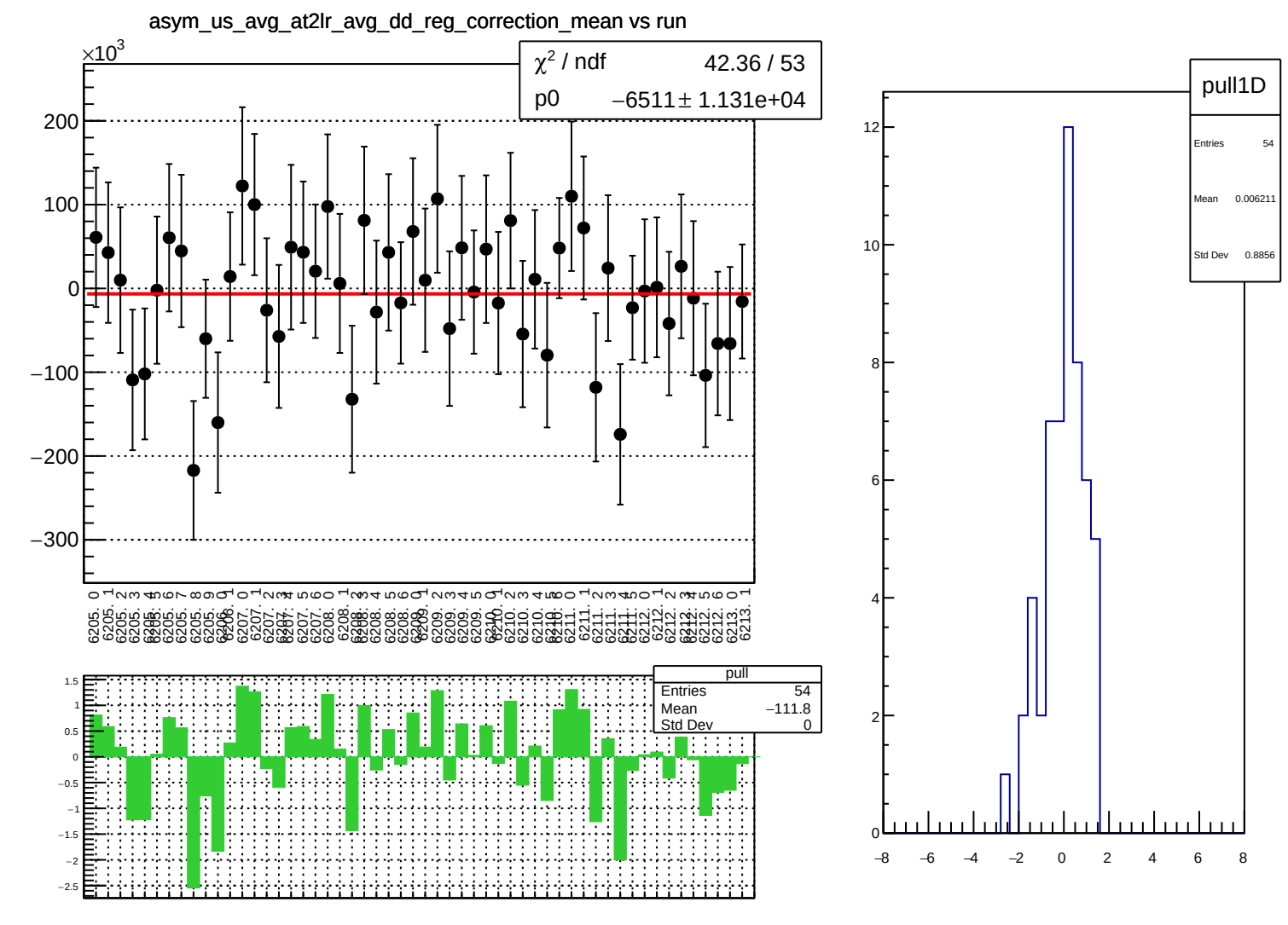

asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻⁹
χ² / ndf 54.35 / 53
p0 4.086e−13 ± 1.038e−12
pull
Entries 54
Mean 45.89
Std Dev 0
pull1D
Entries 54
Mean −0.01434
Std Dev 1.003

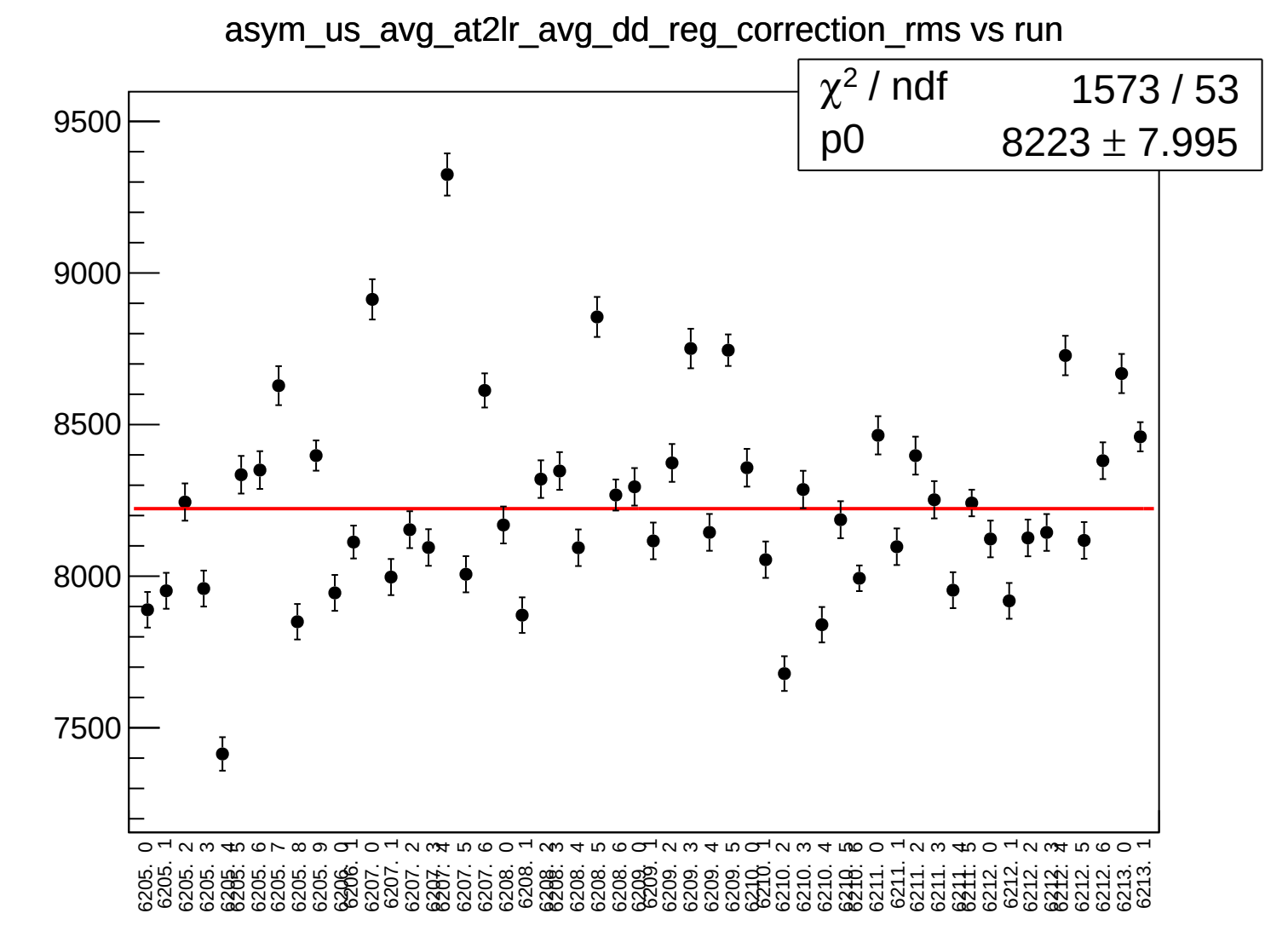

asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.194e+05 / 53
p0 5.873e−10 ± 7.341e−13
8
7
6
5
4
3
2
1
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6207. 0
6207. 1
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

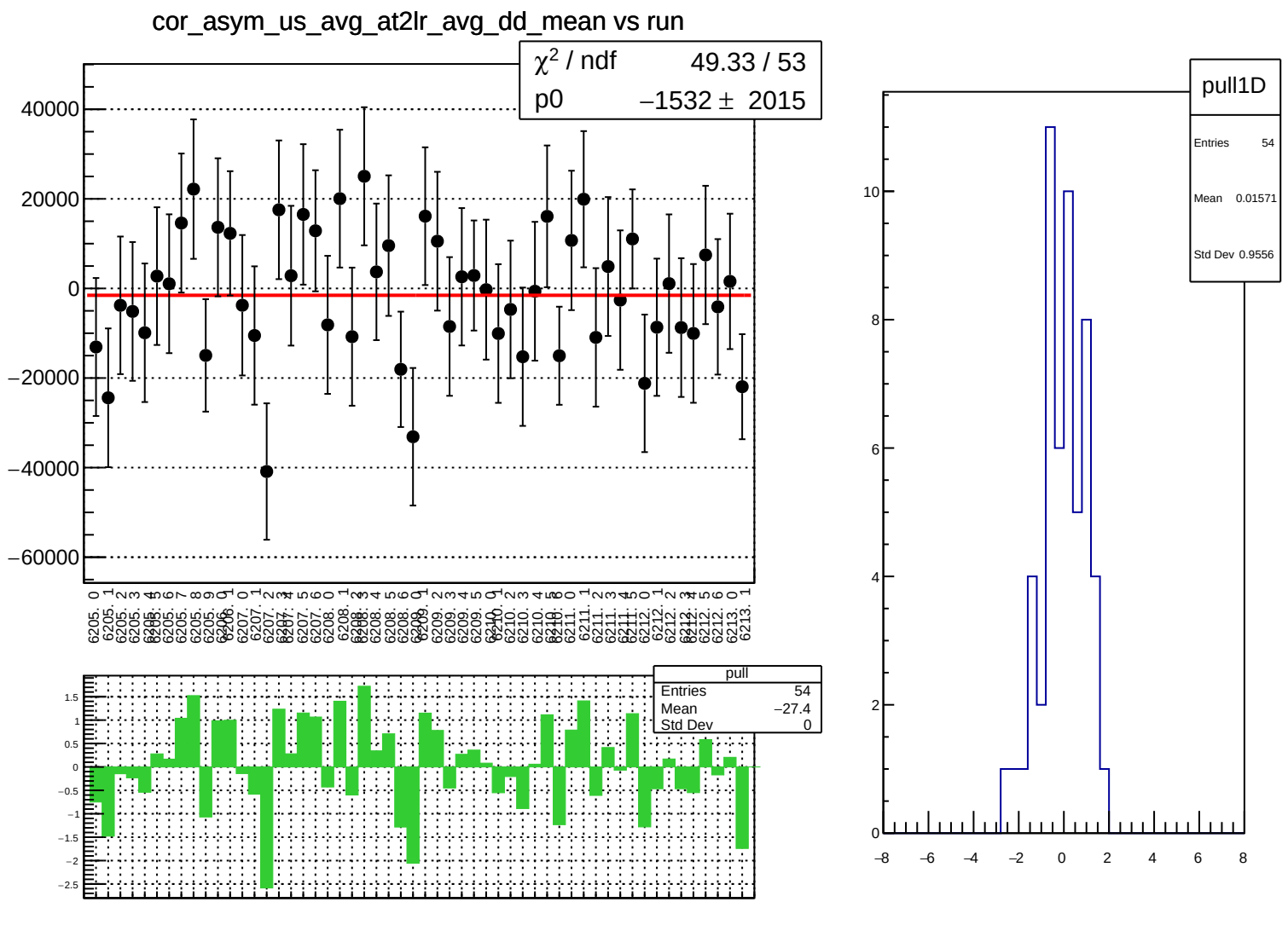

reg_asym_us_avg_at2lr_avg_dd_mean vs run
χ² / ndf 49.33 / 53
p0 −1532 ± 2015
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean −27.41
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

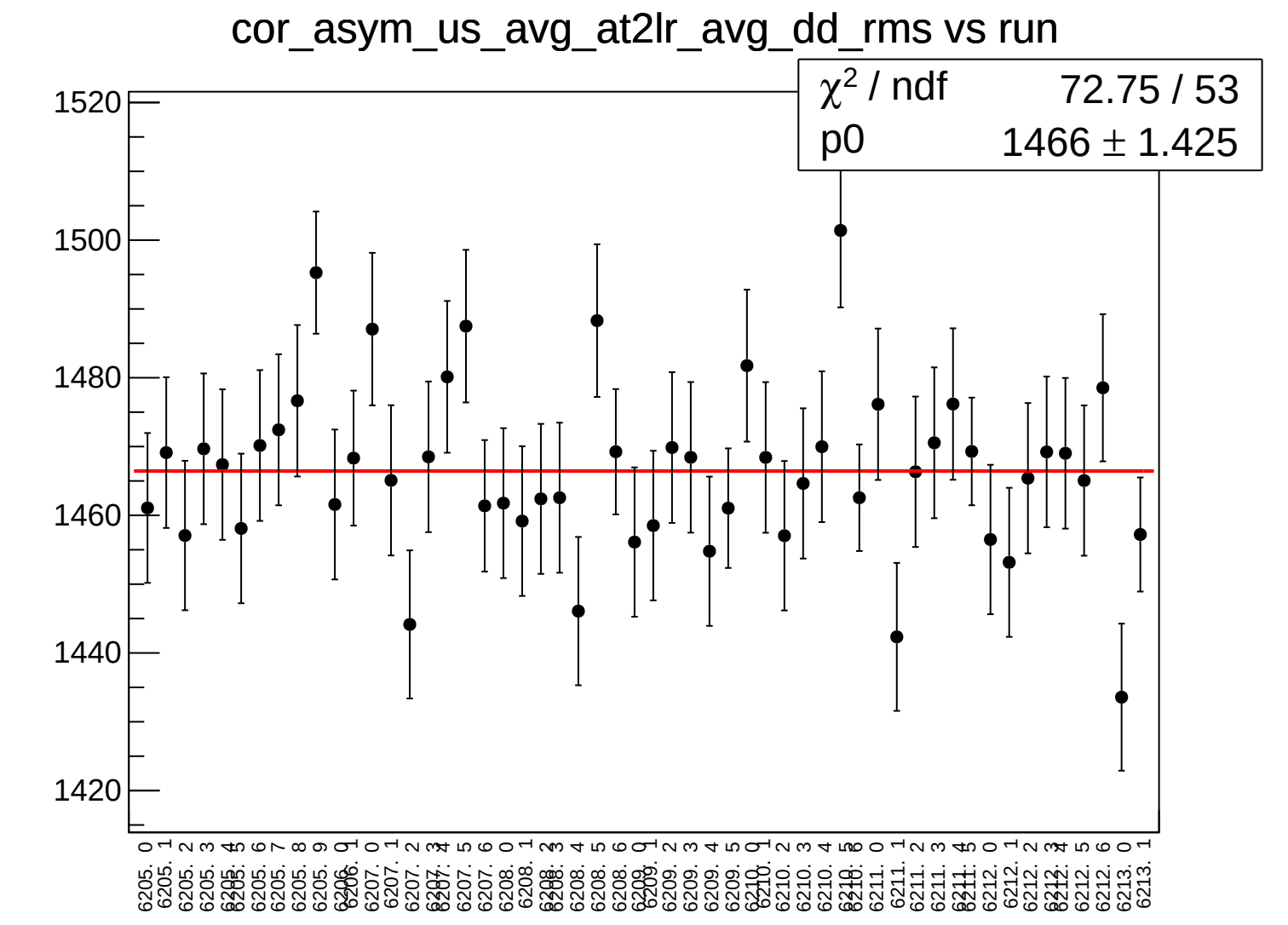

pull1D
Entries 54
Mean 0.01571
Std Dev 0.9557
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

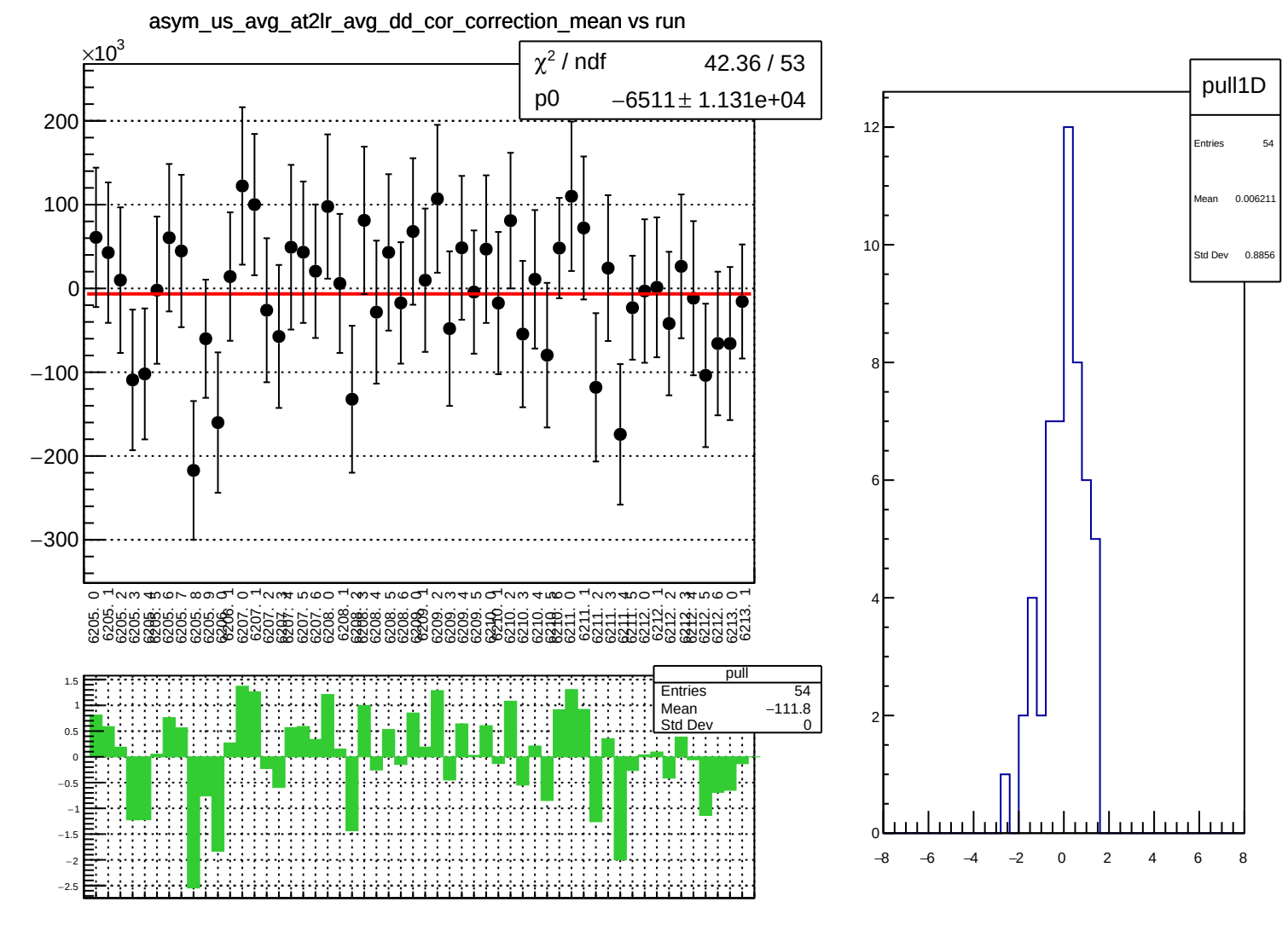

reg_asym_us_avg_at2lr_avg_dd_rms vs run
χ² / ndf 72.75 / 53
p0 1466 ± 1.425
1520
1500
1480
1460
1440
1420
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

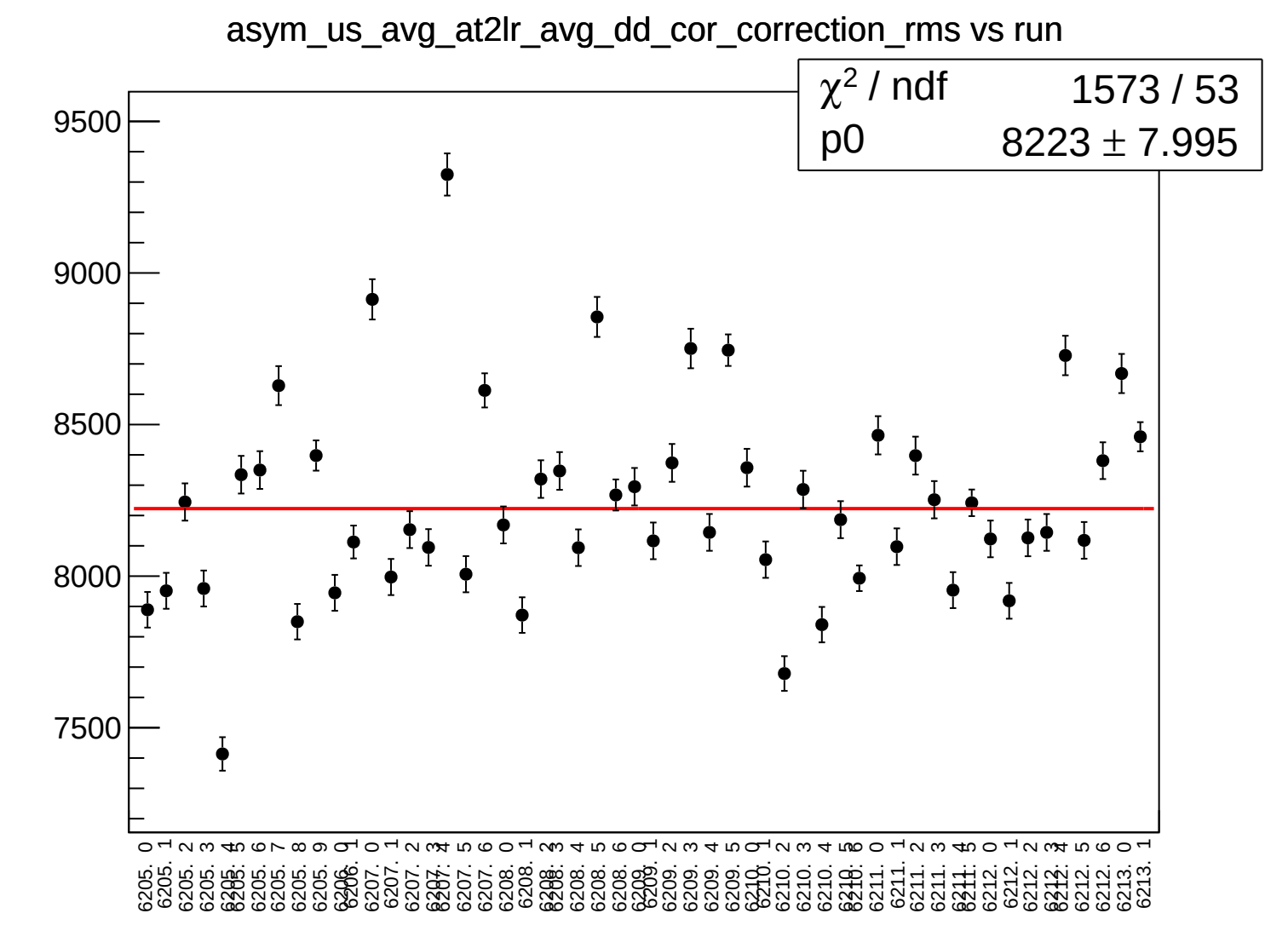

asym_us_avg_at2lr_avg_dd_reg_correction_mean vs run
×10^3
χ² / ndf 42.36 / 53
p0 −6511 ± 1.131e+04
pull
Entries 54
Mean −111.8
Std Dev 0
pull1D
Entries 54
Mean 0.006211
Std Dev 0.8856

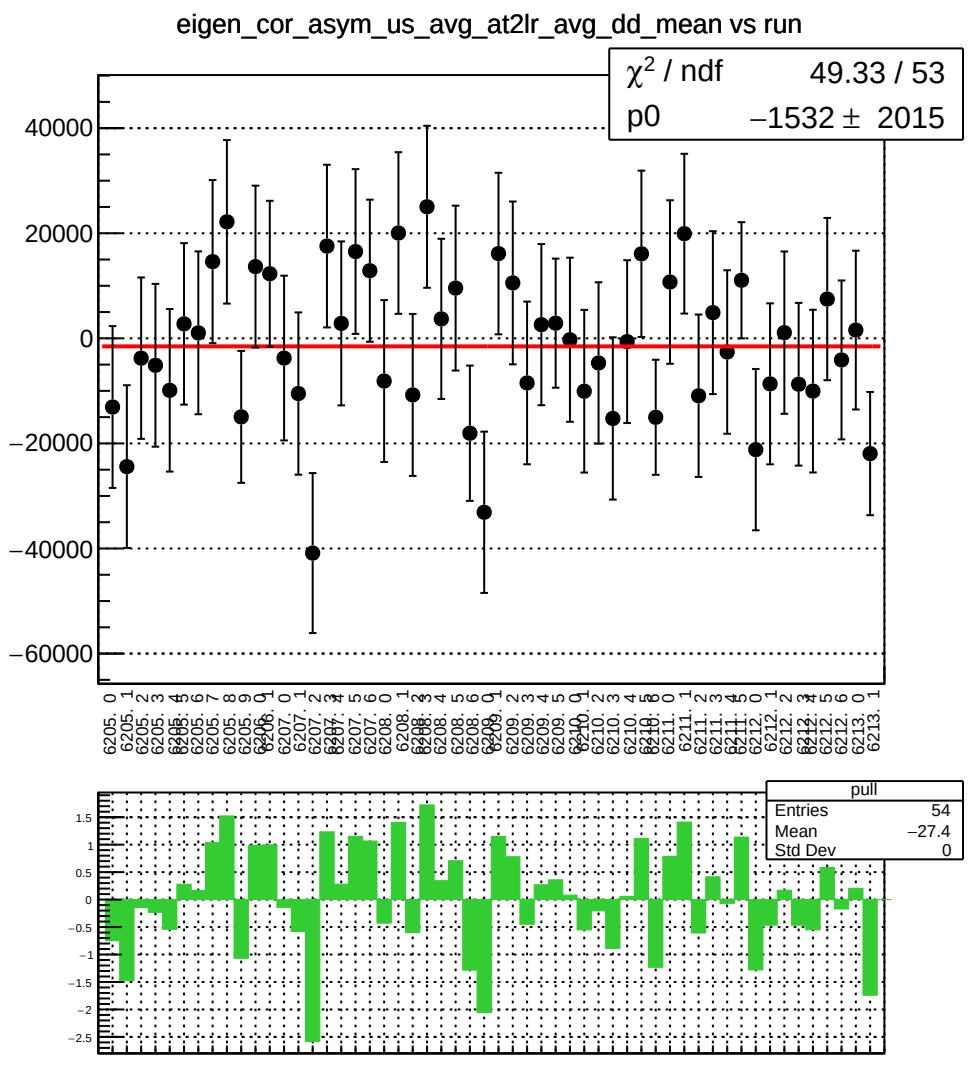

asym_us_avg_at2lr_avg_dd_reg_correction_rms vs run
χ² / ndf 1573 / 53
p0 8223 ± 7.995
9500
9000
8500
8000
7500
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

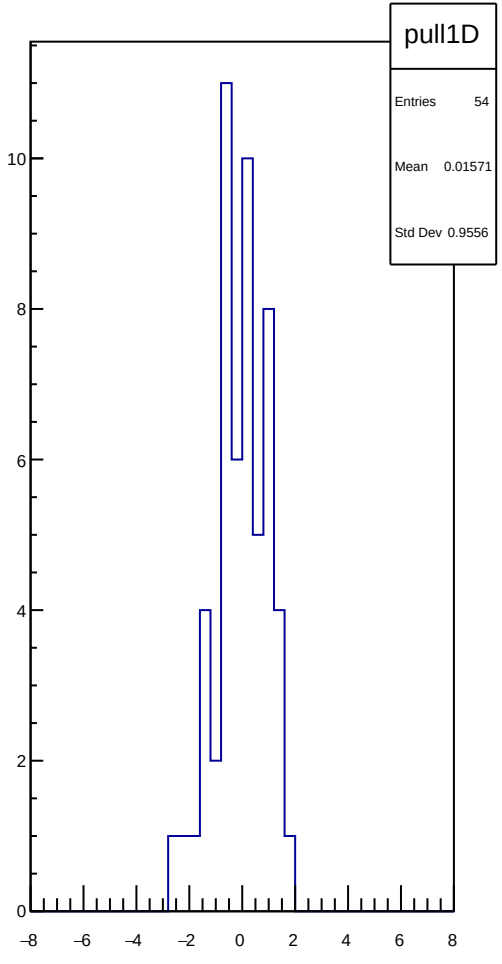

cor_asym_us_avg_at2lr_avg_dd_mean vs run
χ² / ndf 49.33 / 53
p0 −1532 ± 2015
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean −27.4
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 54
Mean 0.01571
Std Dev 0.9556
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

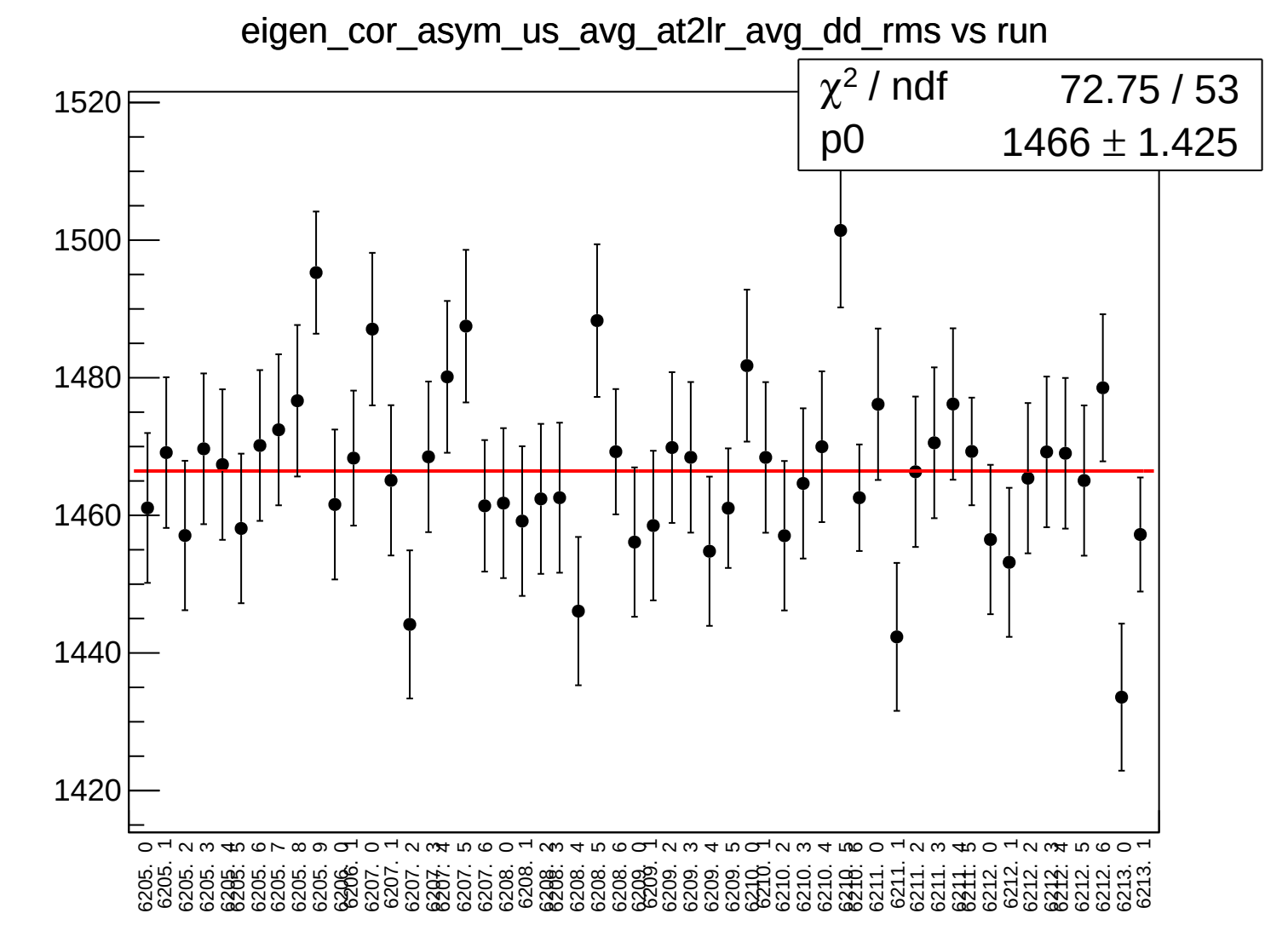

cor_asym_us_avg_at2lr_avg_dd_rms vs run
χ² / ndf 72.75 / 53
p0 1466 ± 1.425
1520
1500
1480
1460
1440
1420
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

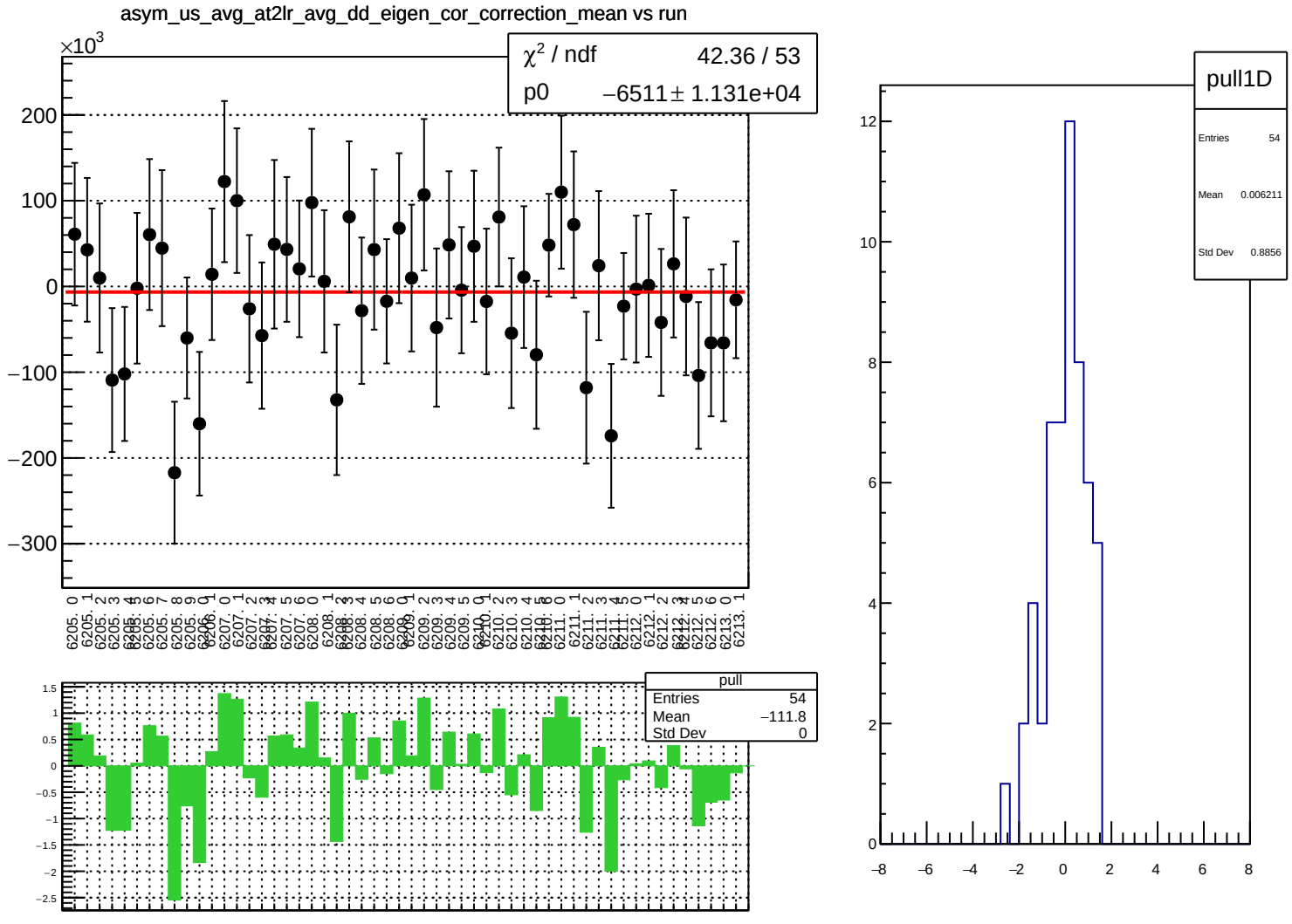

asym_us_avg_at2lr_avg_dd_cor_correction_mean vs run
×10^3
χ² / ndf 42.36 / 53
p0 −6511 ± 1.131e+04
200
100
0
−100
−200
−300
pull
Entries 54
Mean −111.8
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 54
Mean 0.006211
Std Dev 0.8856
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

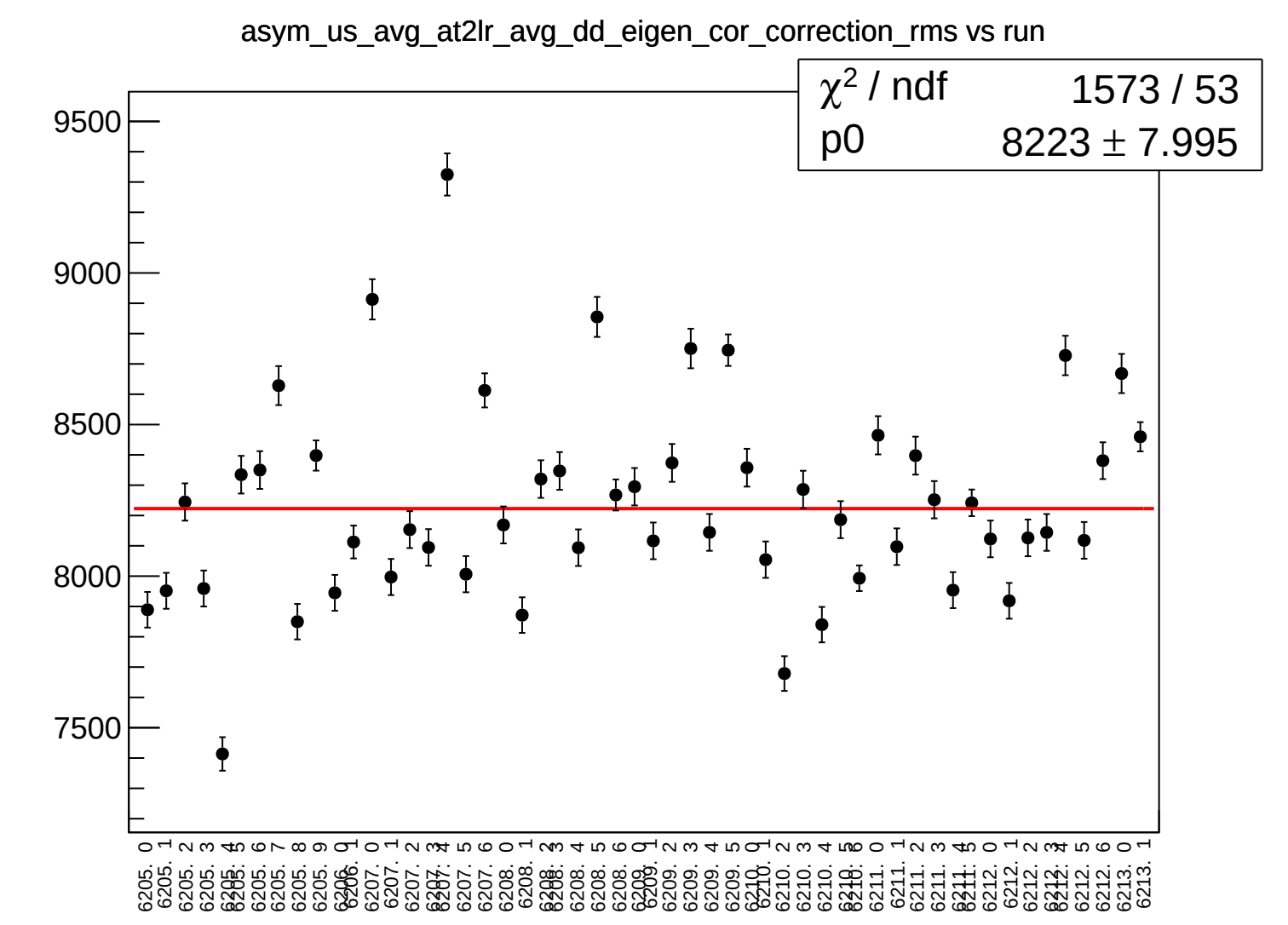

asym_us_avg_at2lr_avg_dd_cor_correction_rms vs run
χ² / ndf 1573 / 53
p0 8223 ± 7.995
9500
9000
8500
8000
7500
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

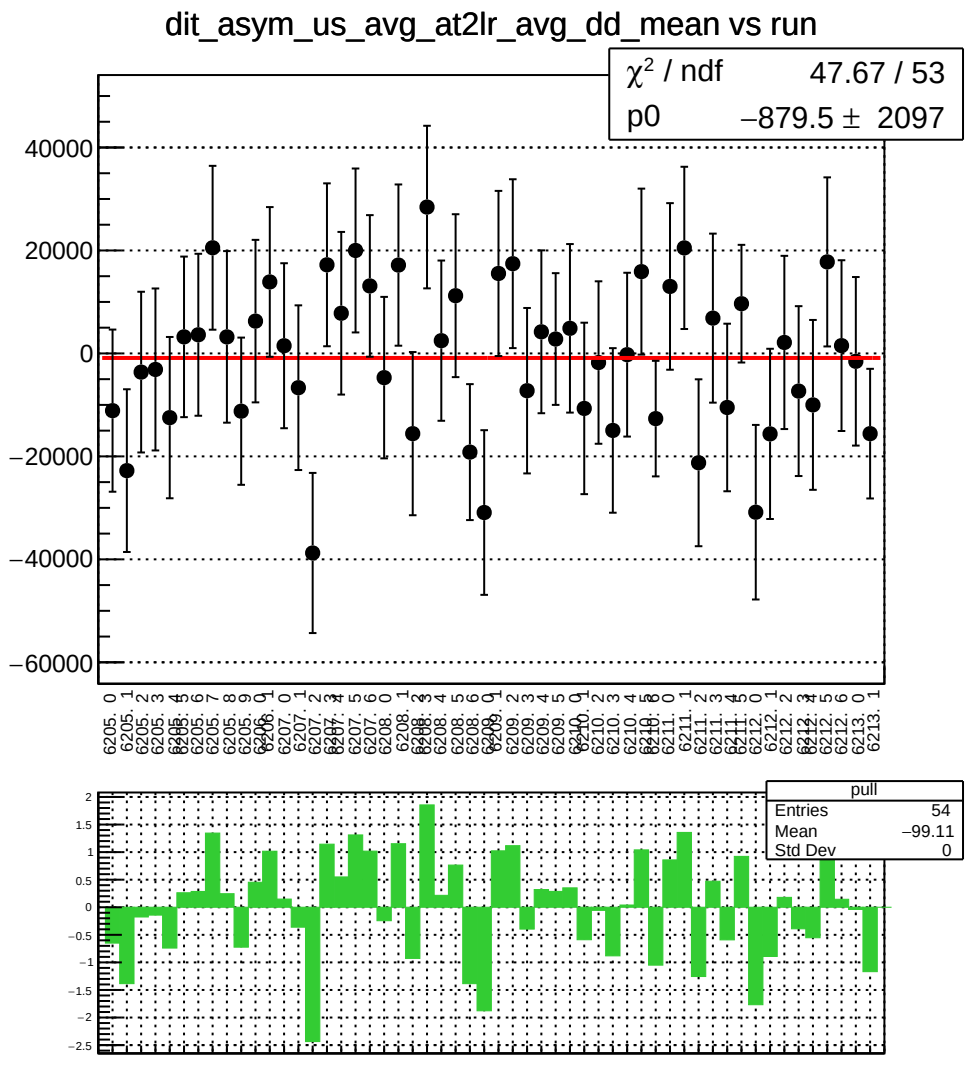

eigen_cor_asym_us_avg_at2lr_avg_dd_mean vs run
χ² / ndf 49.33 / 53
p0 −1532 ± 2015
pull
Entries 54
Mean −27.4
Std Dev 0

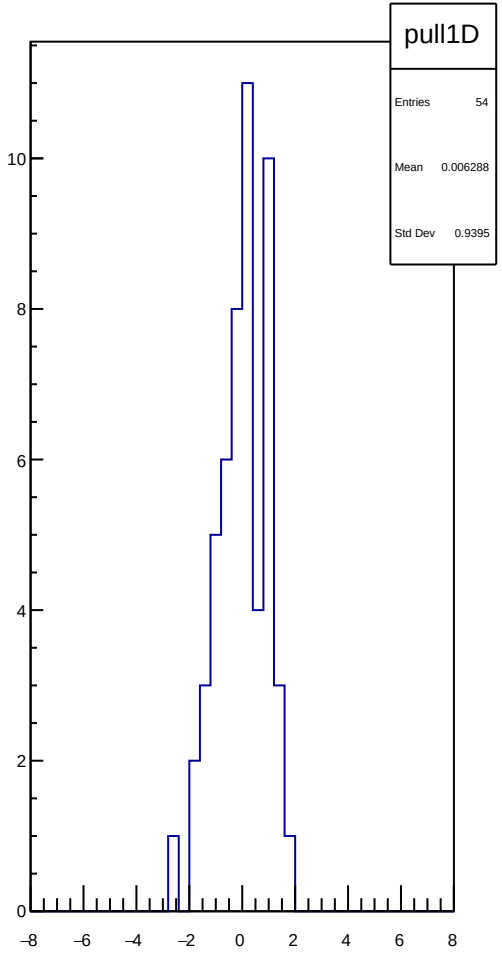

pull1D
Entries 54
Mean 0.01571
Std Dev 0.9556

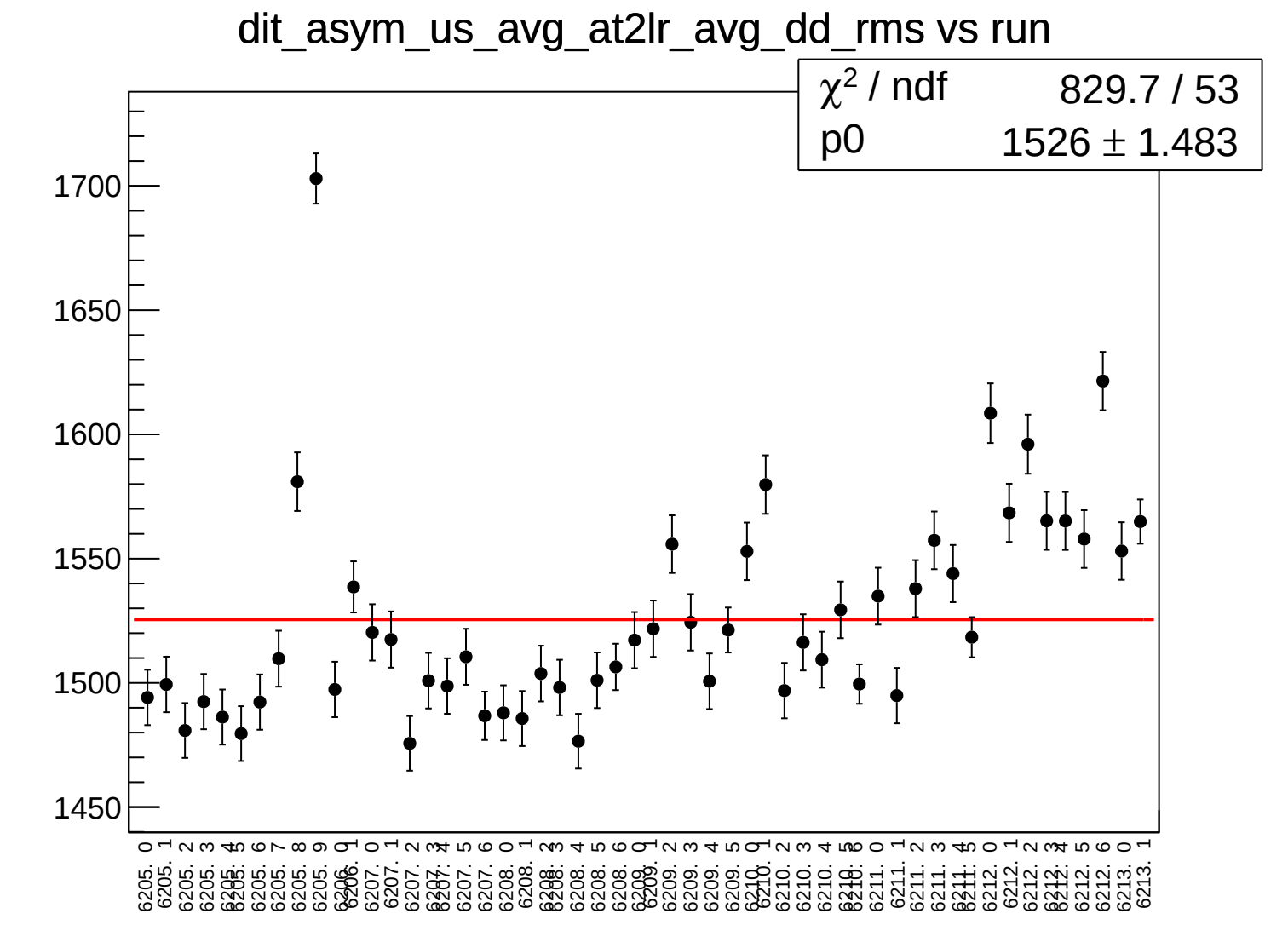

eigen_cor_asym_us_avg_at2lr_avg_dd_rms vs run
χ² / ndf 72.75 / 53
p0 1466 ± 1.425
1520
1500
1480
1460
1440
1420

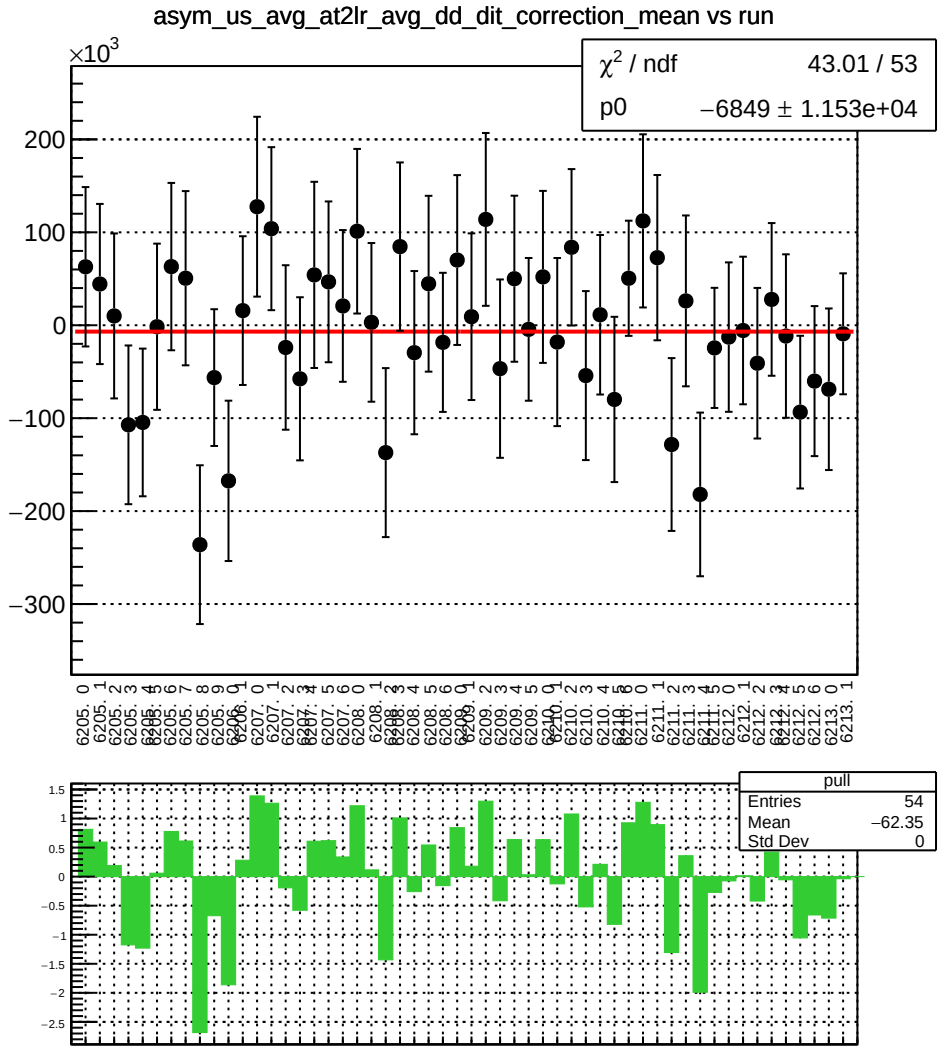

asym_us_avg_at2lr_avg_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 42.36 / 53
p0 −6511 ± 1.131e+04
200
100
0
−100
−200
−300
pull
Entries 54
Mean −111.8
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 54
Mean 0.006211
Std Dev 0.8856
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

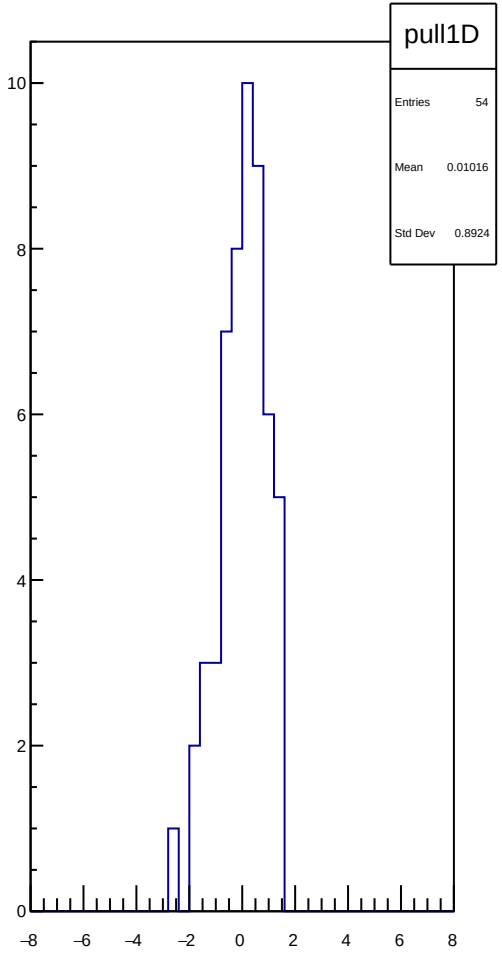

asym_us_avg_at2lr_avg_dd_eigen_cor_correction_rms vs run
χ² / ndf 1573 / 53
p0 8223 ± 7.995
9500
9000
8500
8000
7500
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

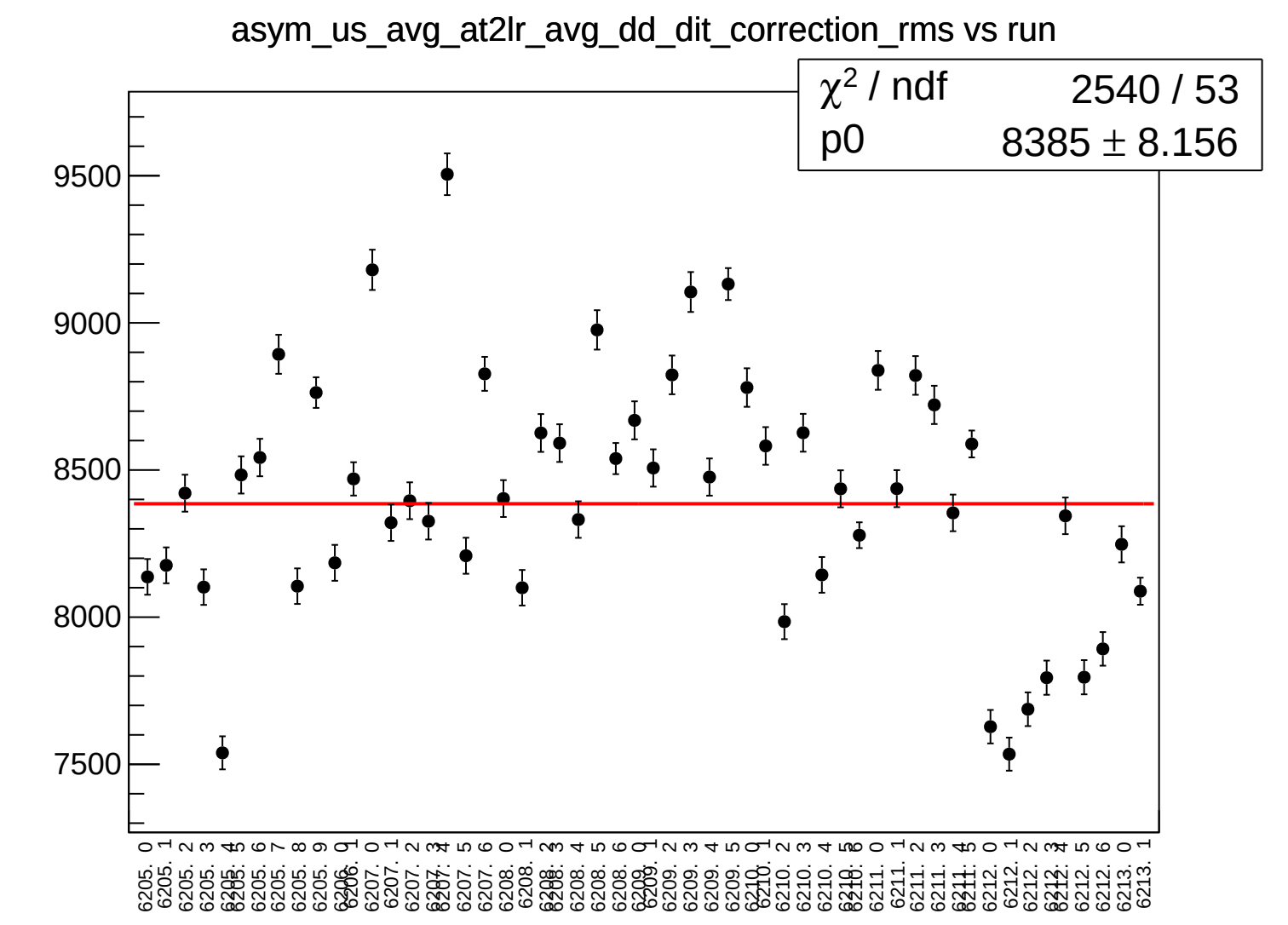

dit_asym_us_avg_at2lr_avg_dd_mean vs run
χ² / ndf 47.67 / 53
p0 −879.5 ± 2097
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean −99.11
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

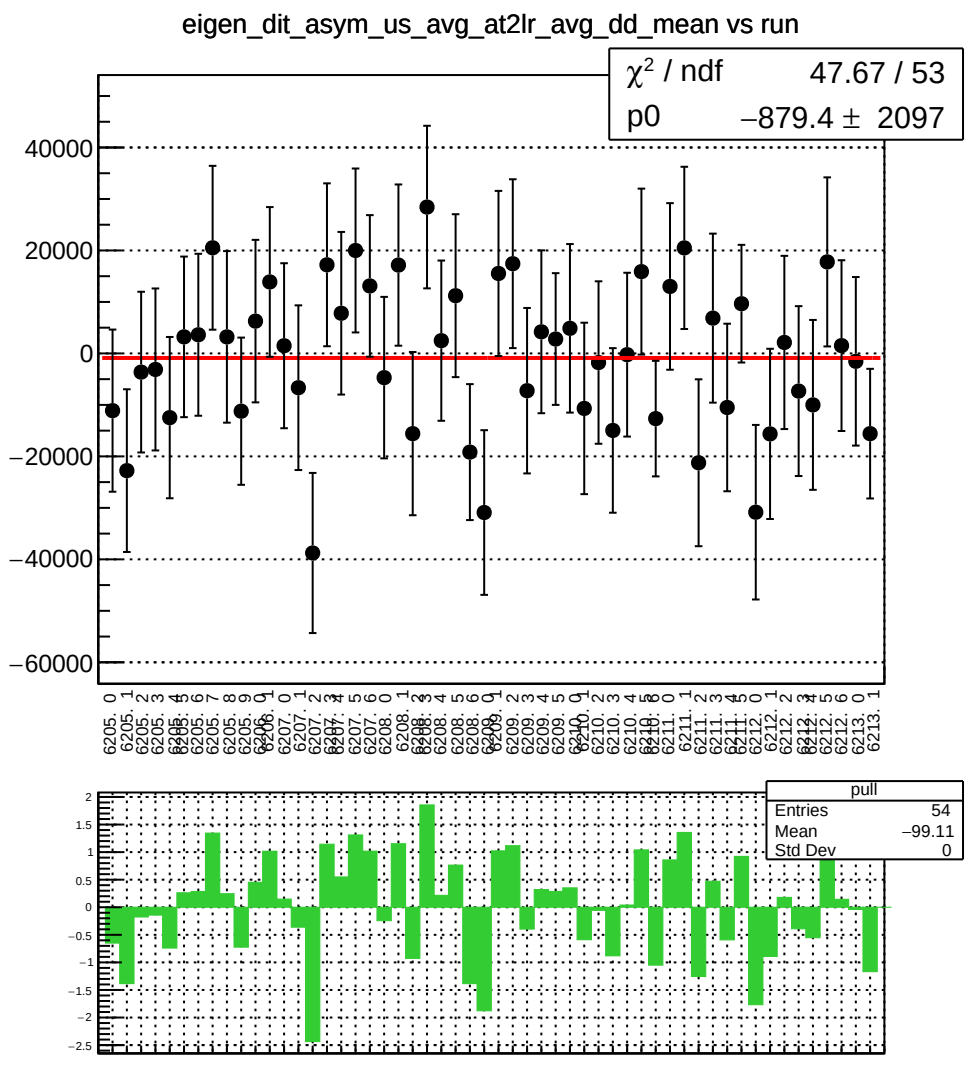

pull1D
Entries 54
Mean 0.006288
Std Dev 0.9395
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

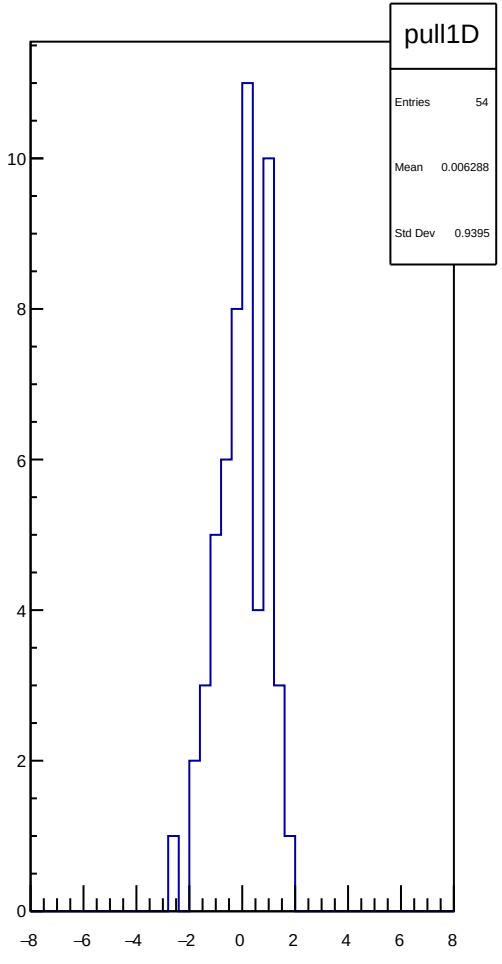

dit_asym_us_avg_at2lr_avg_dd_rms vs run
χ² / ndf 829.7 / 53
p0 1526 ± 1.483
1700
1650
1600
1550
1500
1450
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

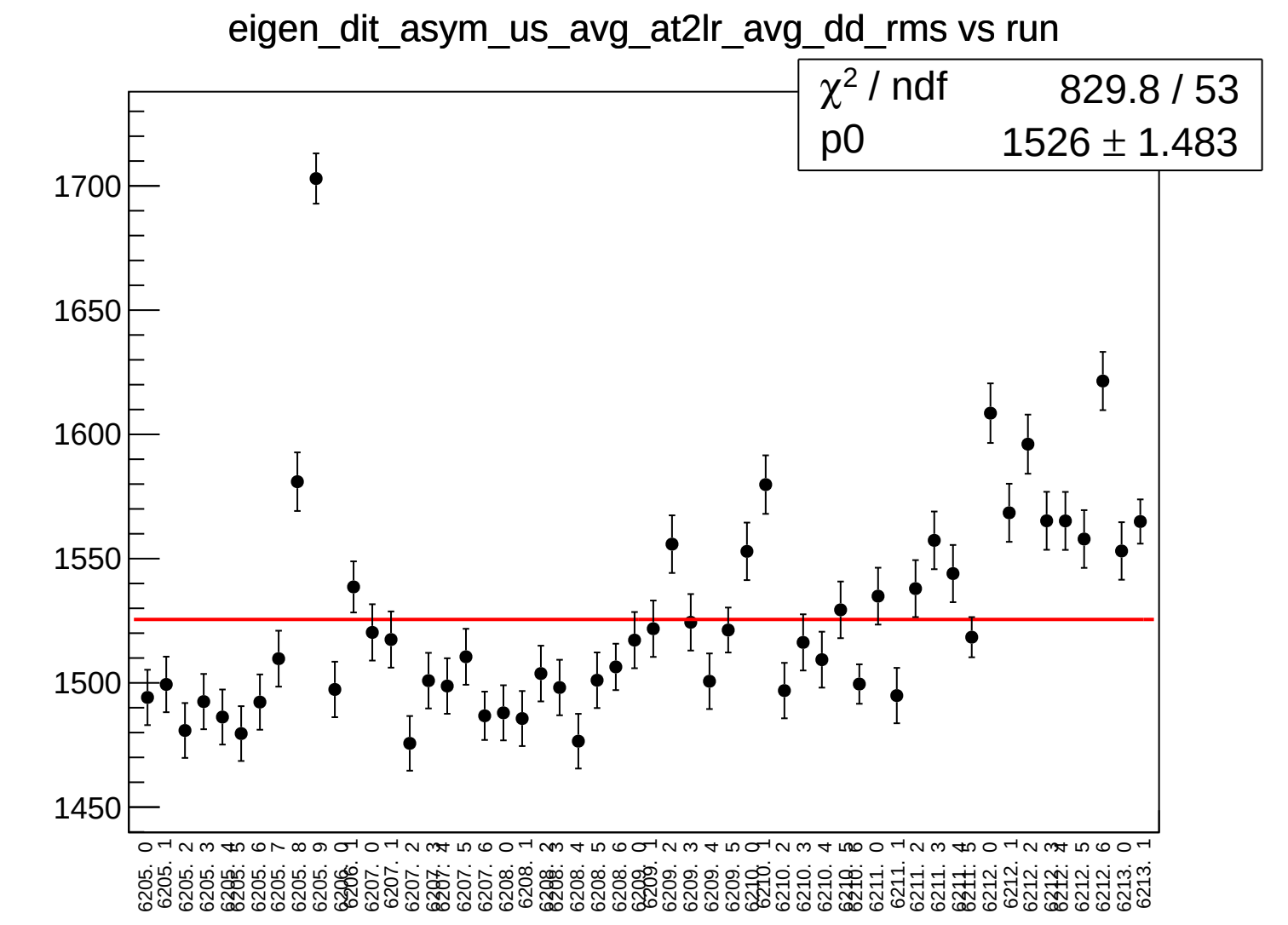

asym_us_avg_at2lr_avg_dd_dit_correction_mean vs run
×10^3
χ² / ndf 43.01 / 53
p0 −6849 ± 1.153e+04
pull
Entries 54
Mean −62.35
Std Dev 0

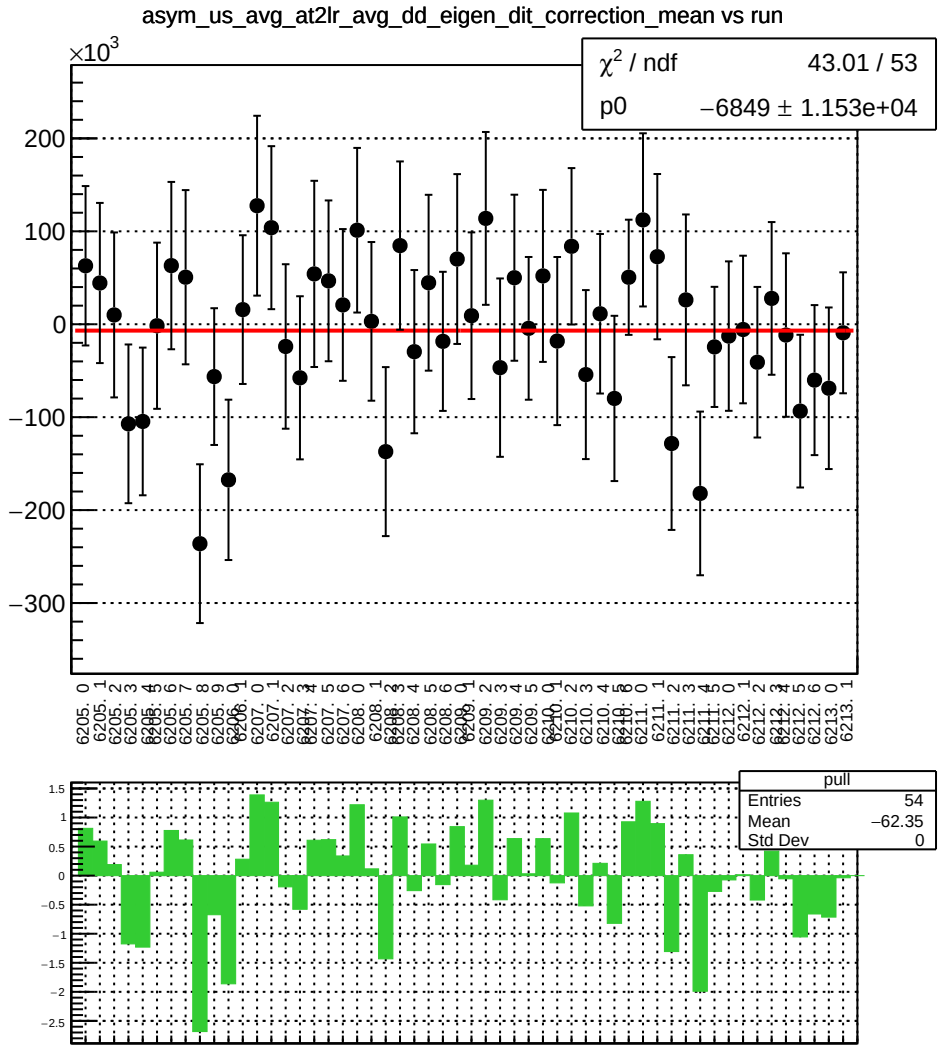

pull1D
Entries 54
Mean 0.01016
Std Dev 0.8924

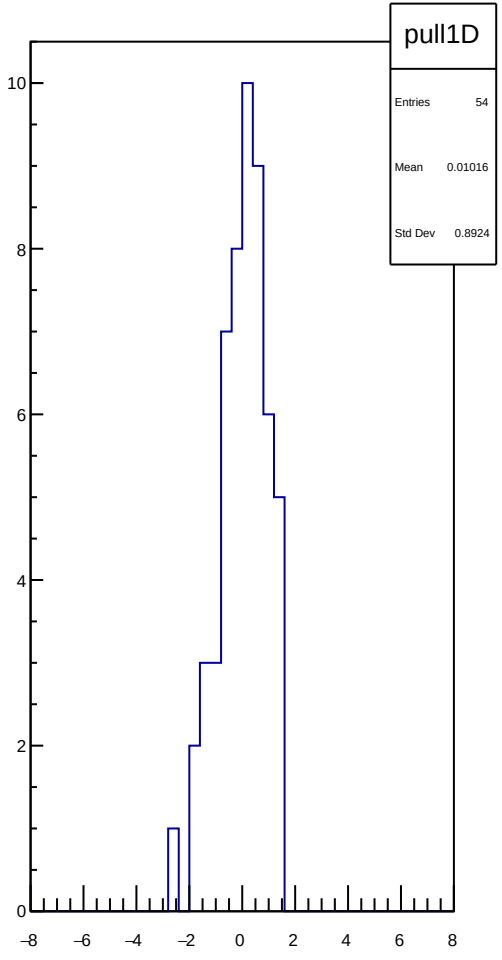

asym_us_avg_at2lr_avg_dd_dit_correction_rms vs run
χ² / ndf 2540 / 53
p0 8385 ± 8.156
9500
9000
8500
8000
7500
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

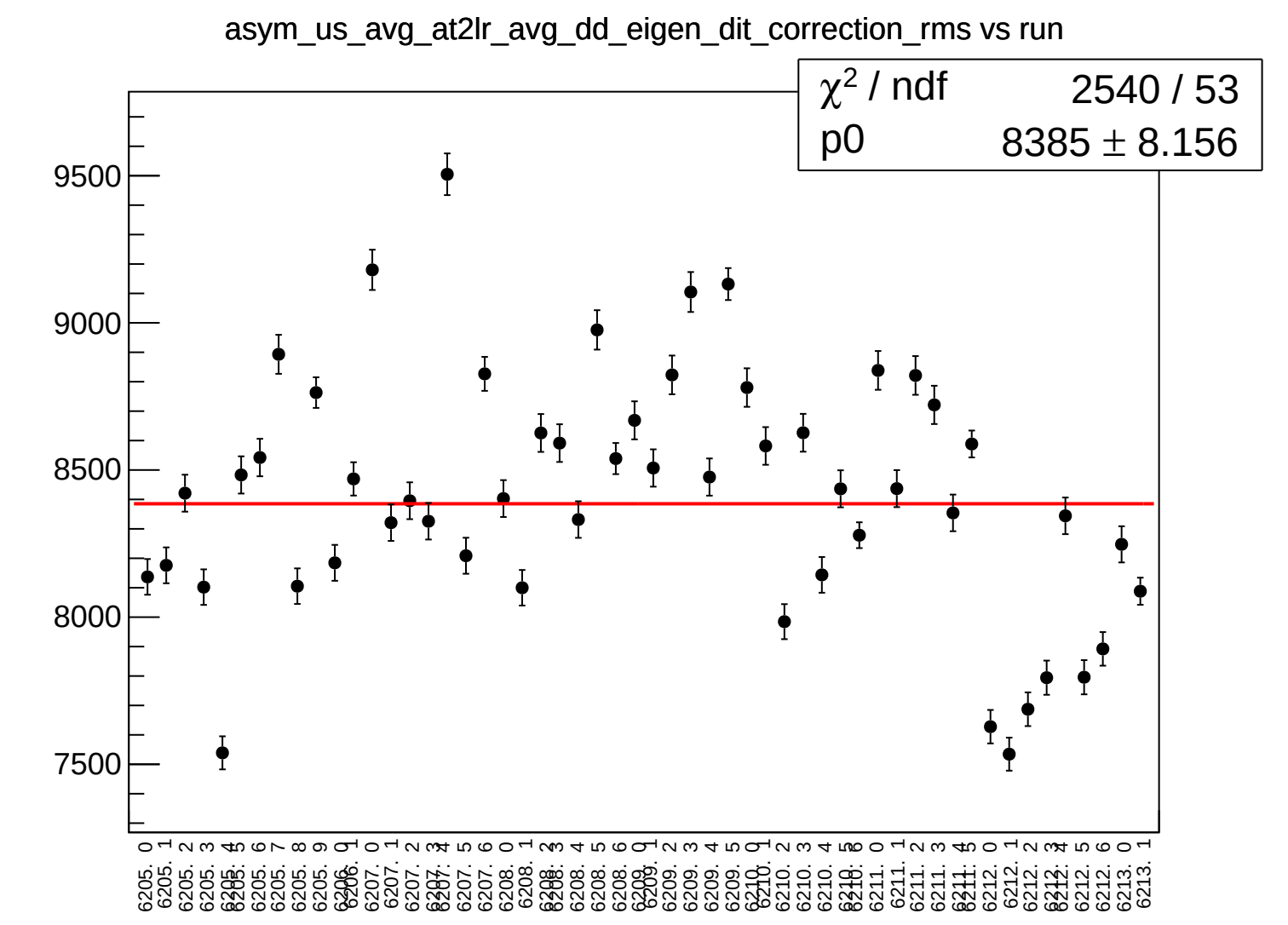

eigen_dit_asym_us_avg_at2lr_avg_dd_mean vs run
χ² / ndf 47.67 / 53
p0 −879.4 ± 2097
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean −99.11
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

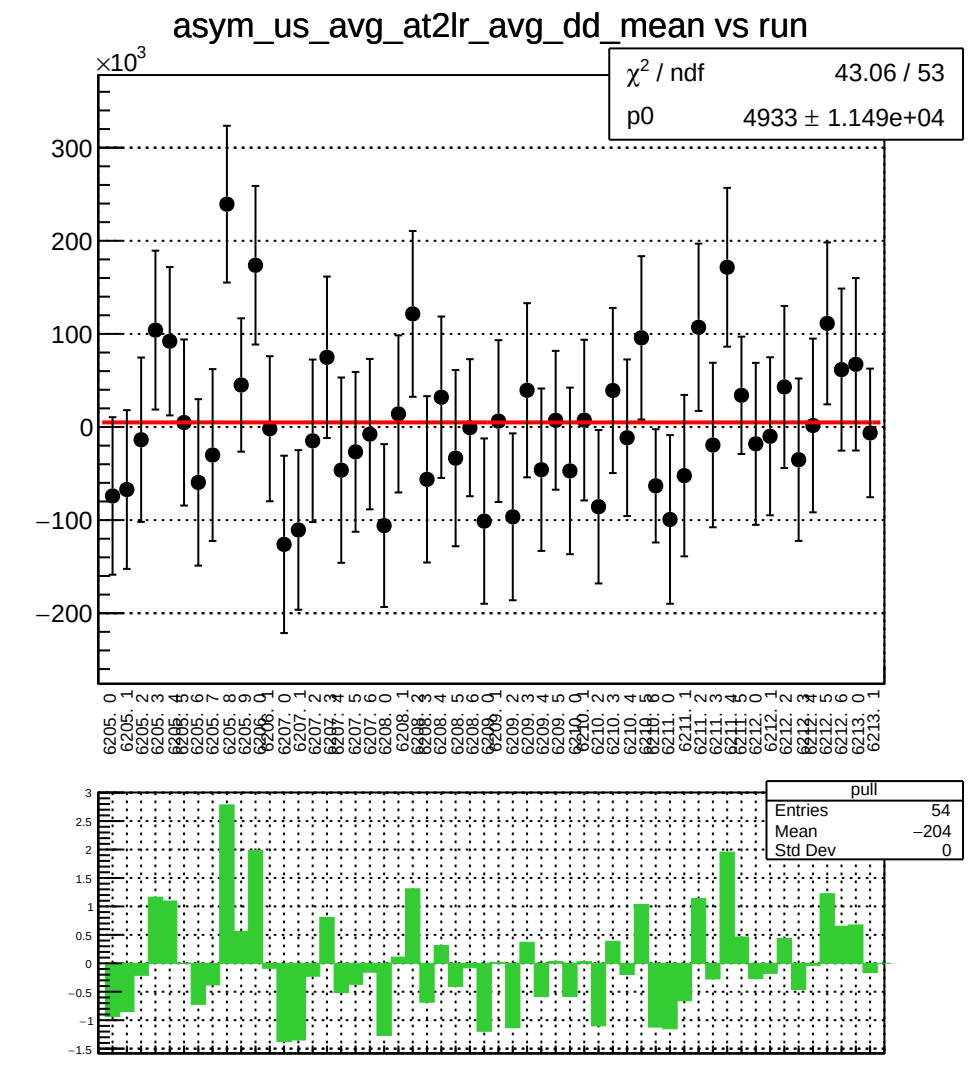

pull1D
Entries 54
Mean 0.006288
Std Dev 0.9395
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

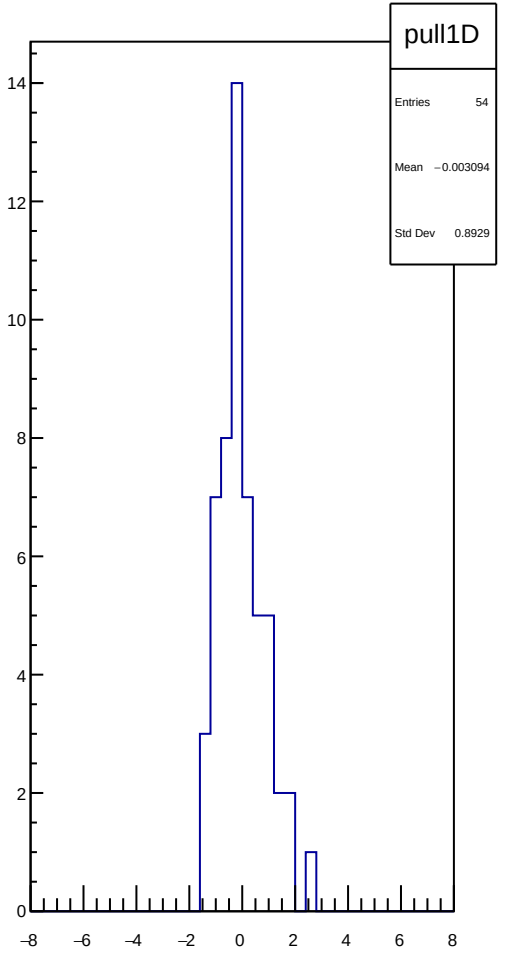

eigen_dit_asym_us_avg_at2lr_avg_dd_rms vs run
χ² / ndf 829.8 / 53
p0 1526 ± 1.483
1700
1650
1600
1550
1500
1450
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

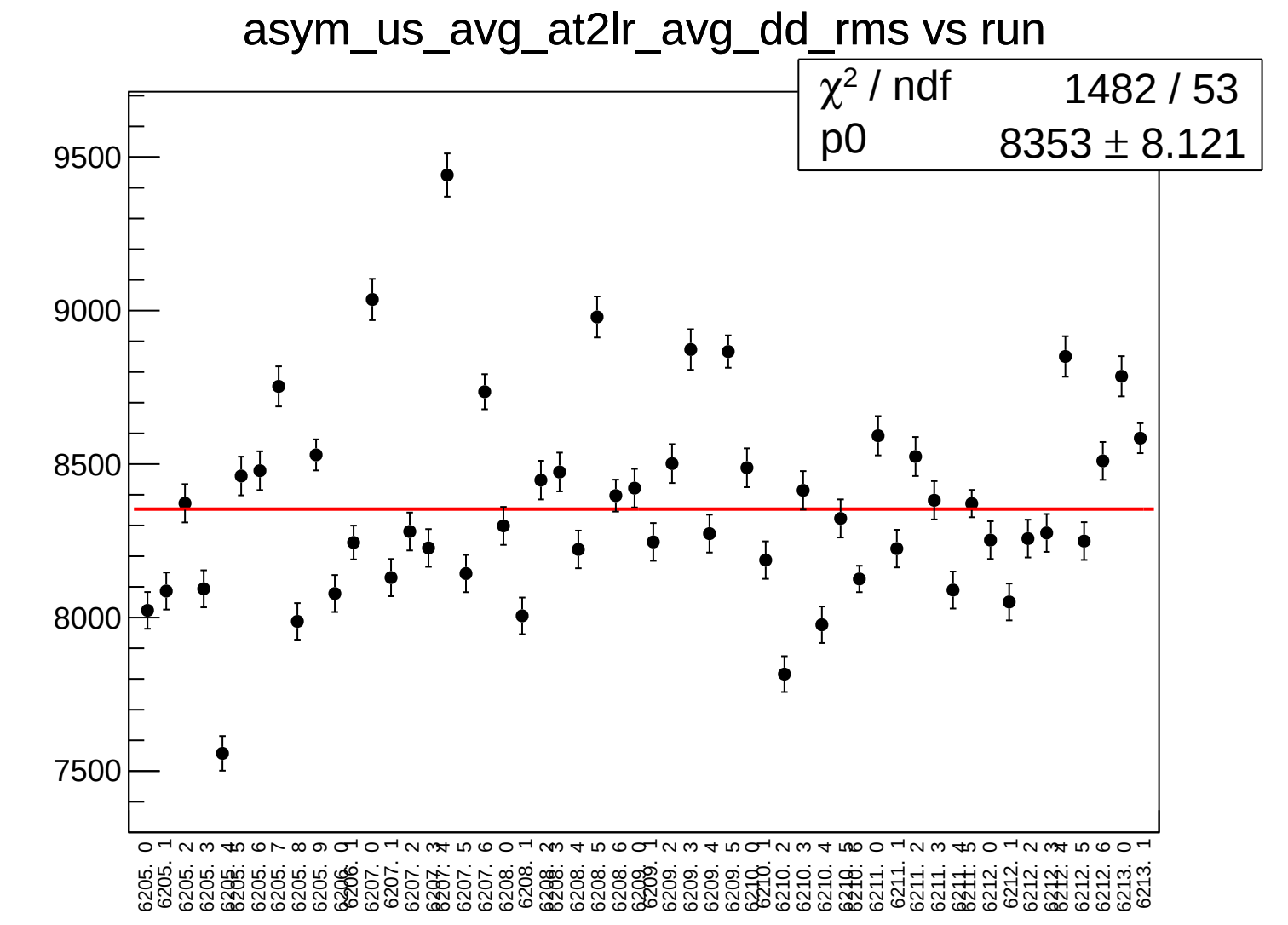

asym_us_avg_at2lr_avg_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 43.01 / 53
p0 −6849 ± 1.153e+04
pull
Entries 54
Mean −62.35
Std Dev 0

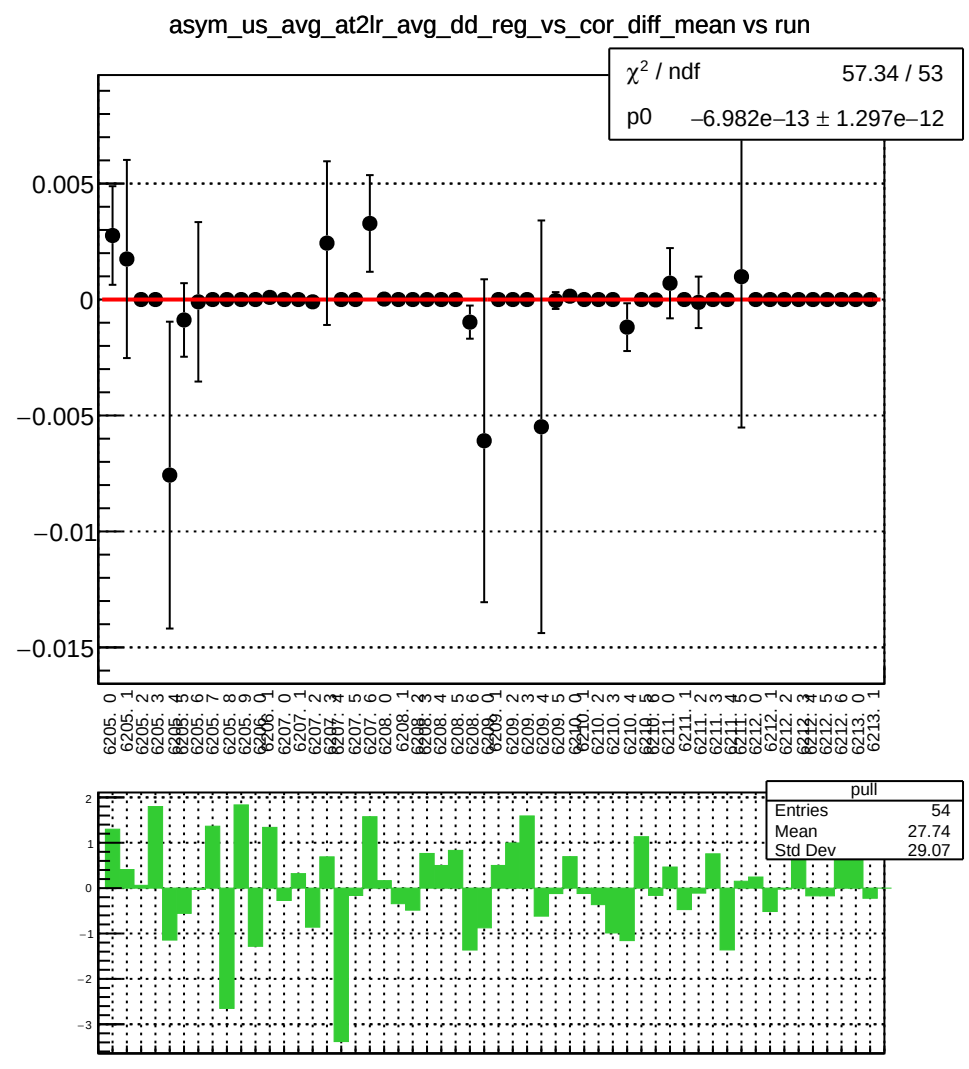

pull1D
Entries 54
Mean 0.01016
Std Dev 0.8924

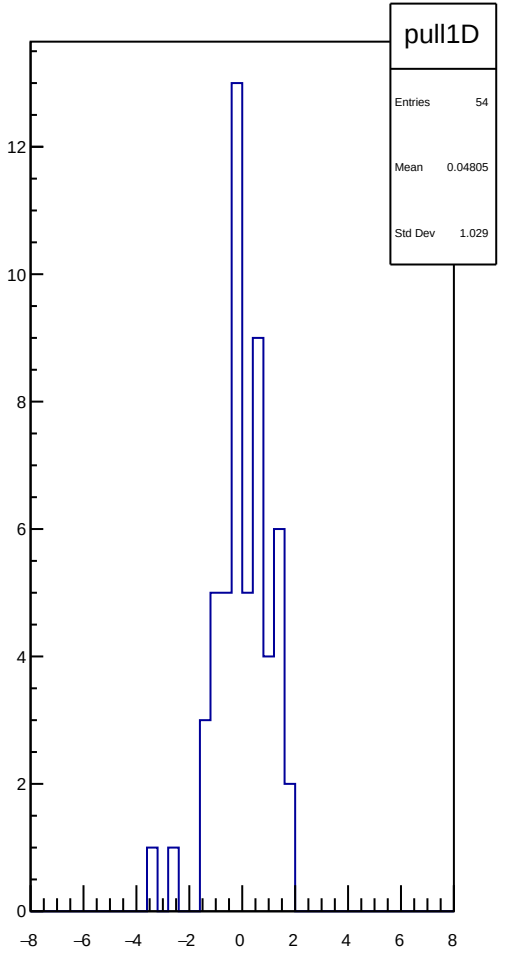

asym_us_avg_at2lr_avg_dd_eigen_dit_correction_rms vs run
χ² / ndf 2540 / 53
p0 8385 ± 8.156
9500
9000
8500
8000
7500
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

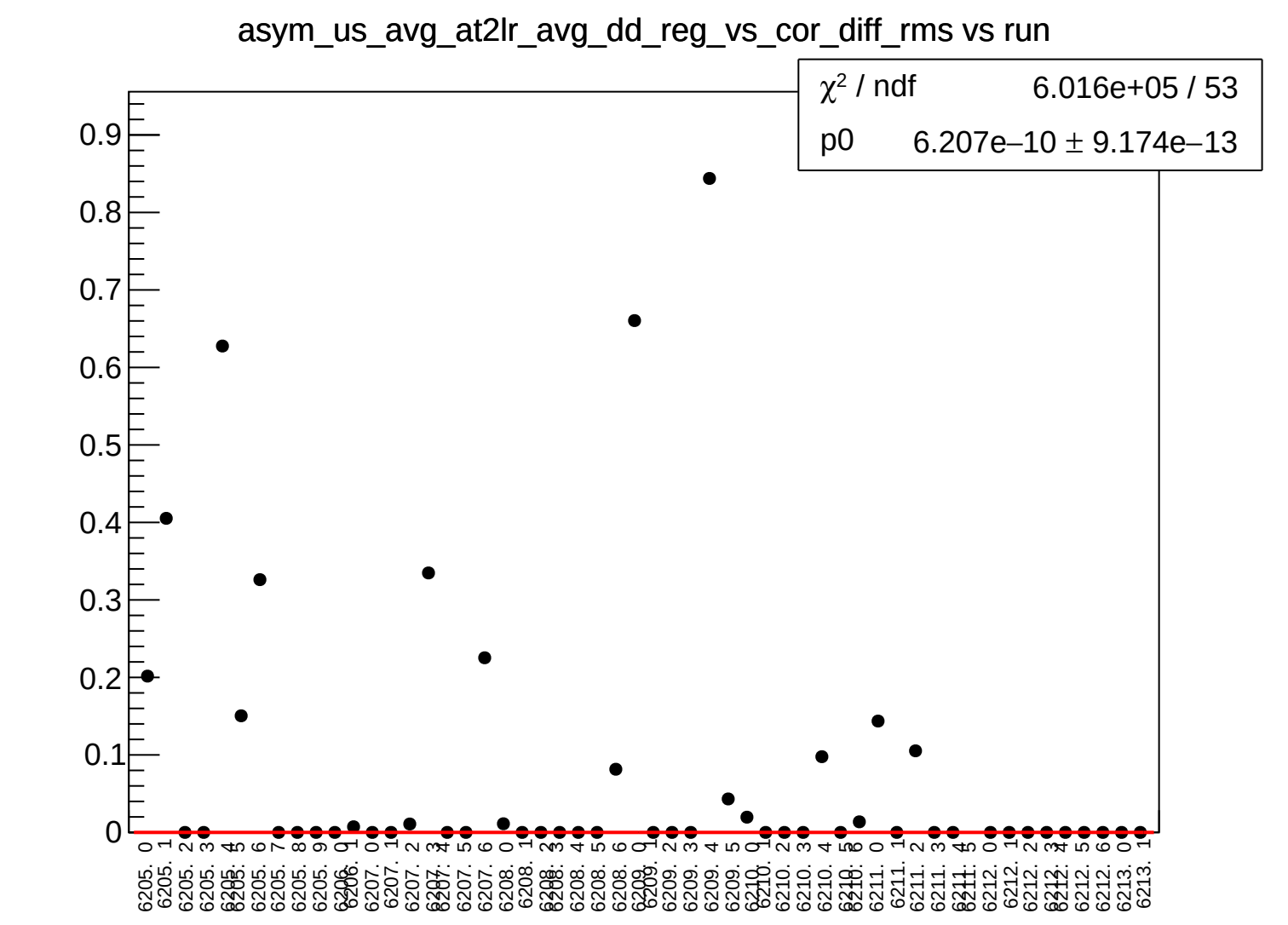

asym_us_avg_at2lr_avg_dd_mean vs run
×10^3
χ² / ndf 43.06 / 53
p0 4933 ± 1.149e+04
300
200
100
0
−100
−200
pull
Entries 54
Mean −204
Std Dev 0
3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

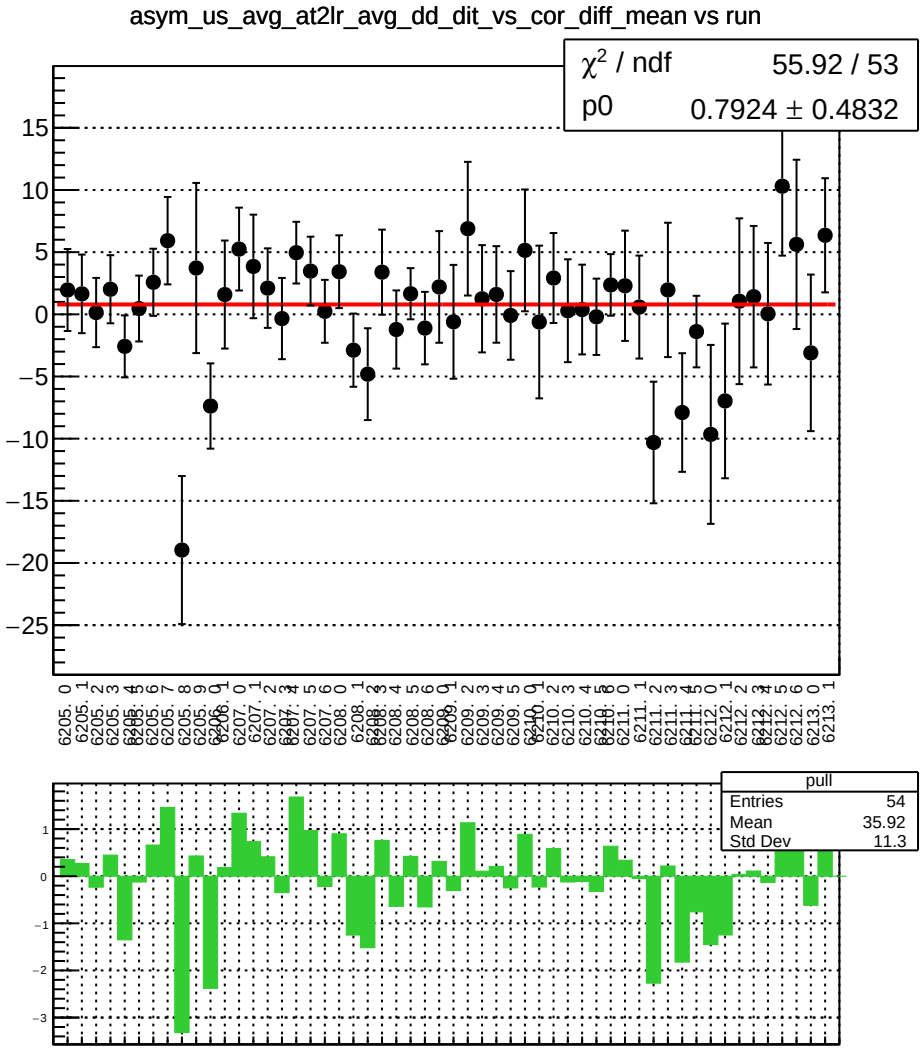

pull1D
Entries 54
Mean −0.003094
Std Dev 0.8929
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

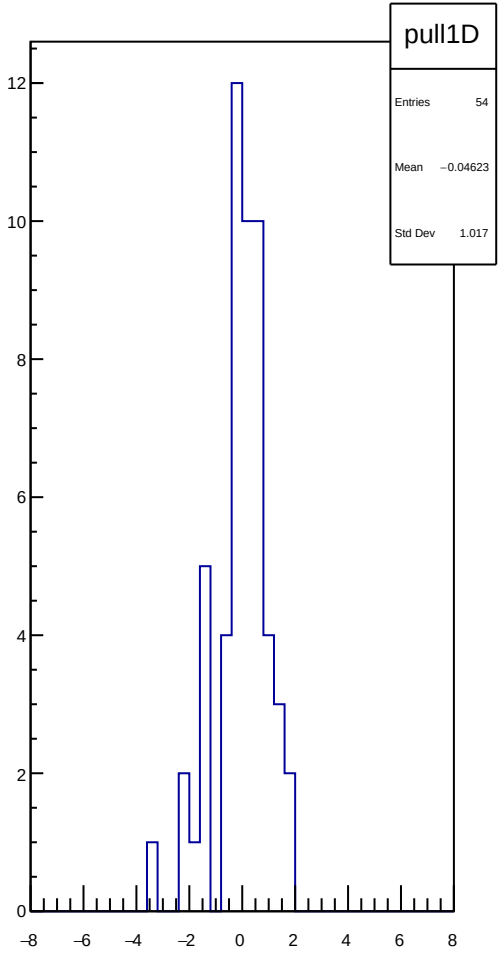

asym_us_avg_at2lr_avg_dd_rms vs run
χ² / ndf 1482 / 53
p0 8353 ± 8.121
9500
9000
8500
8000
7500
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

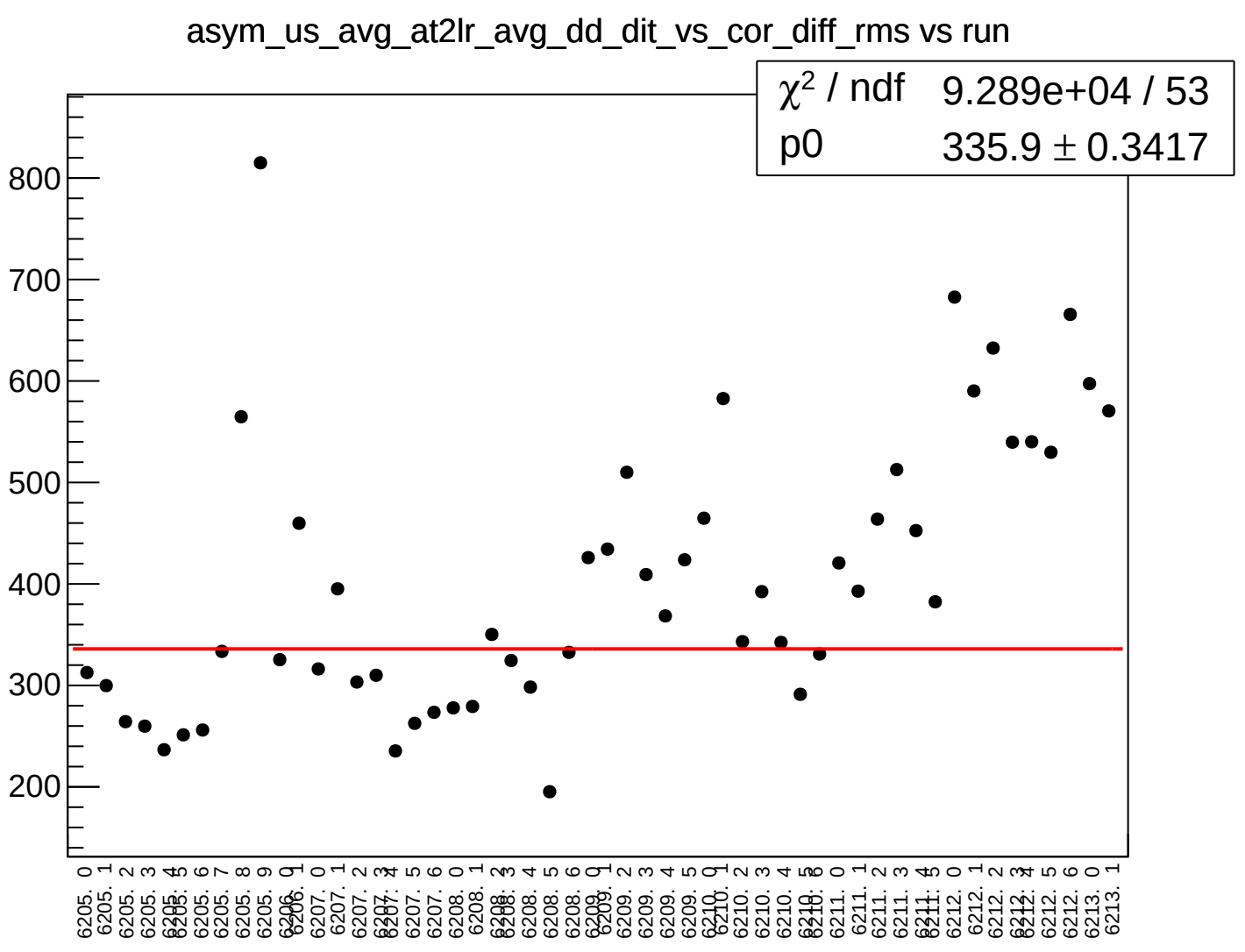

asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 57.34 / 53
p0 −6.982e−13 ± 1.297e−12
0.005
0
−0.005
−0.01
−0.015
pull
Entries 54
Mean 27.74
Std Dev 29.07
2
1
0
−1
−2
−3

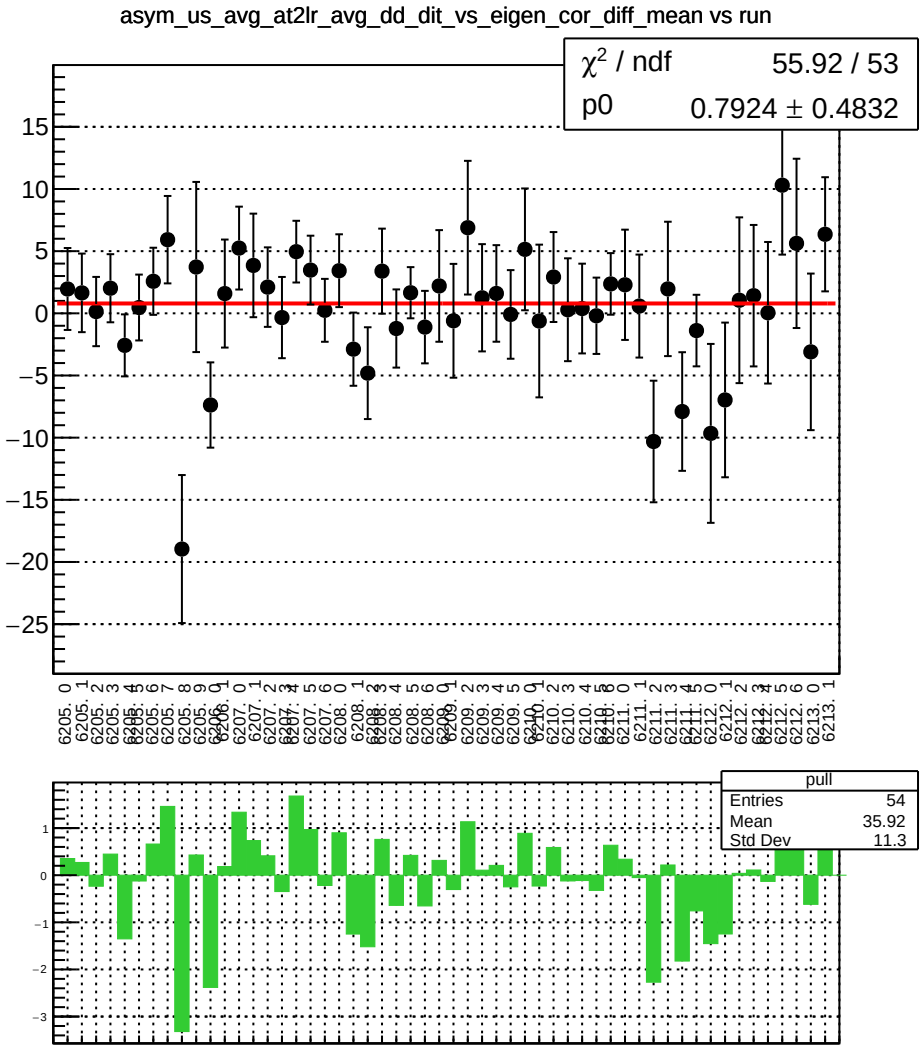

pull1D
Entries 54
Mean 0.04805
Std Dev 1.029
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

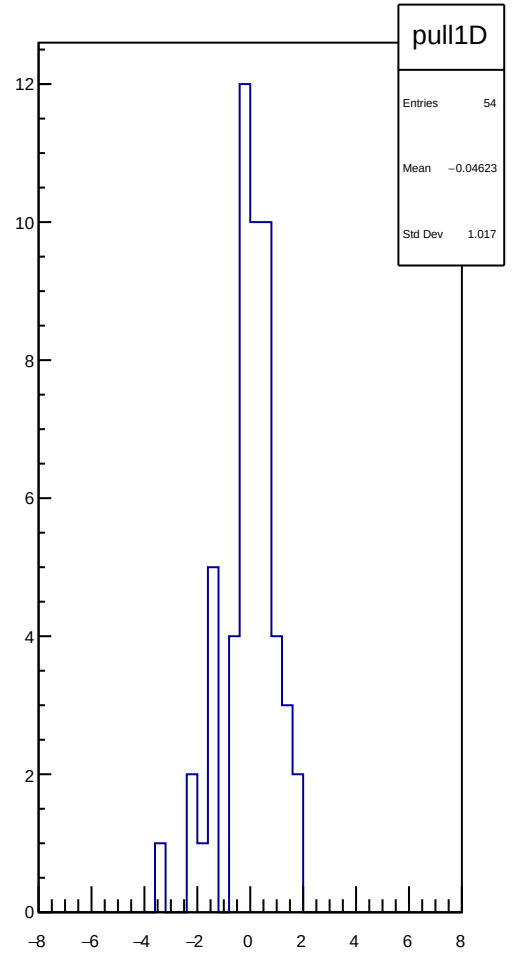

asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.016e+05 / 53
p0 6.207e−10 ± 9.174e−13
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

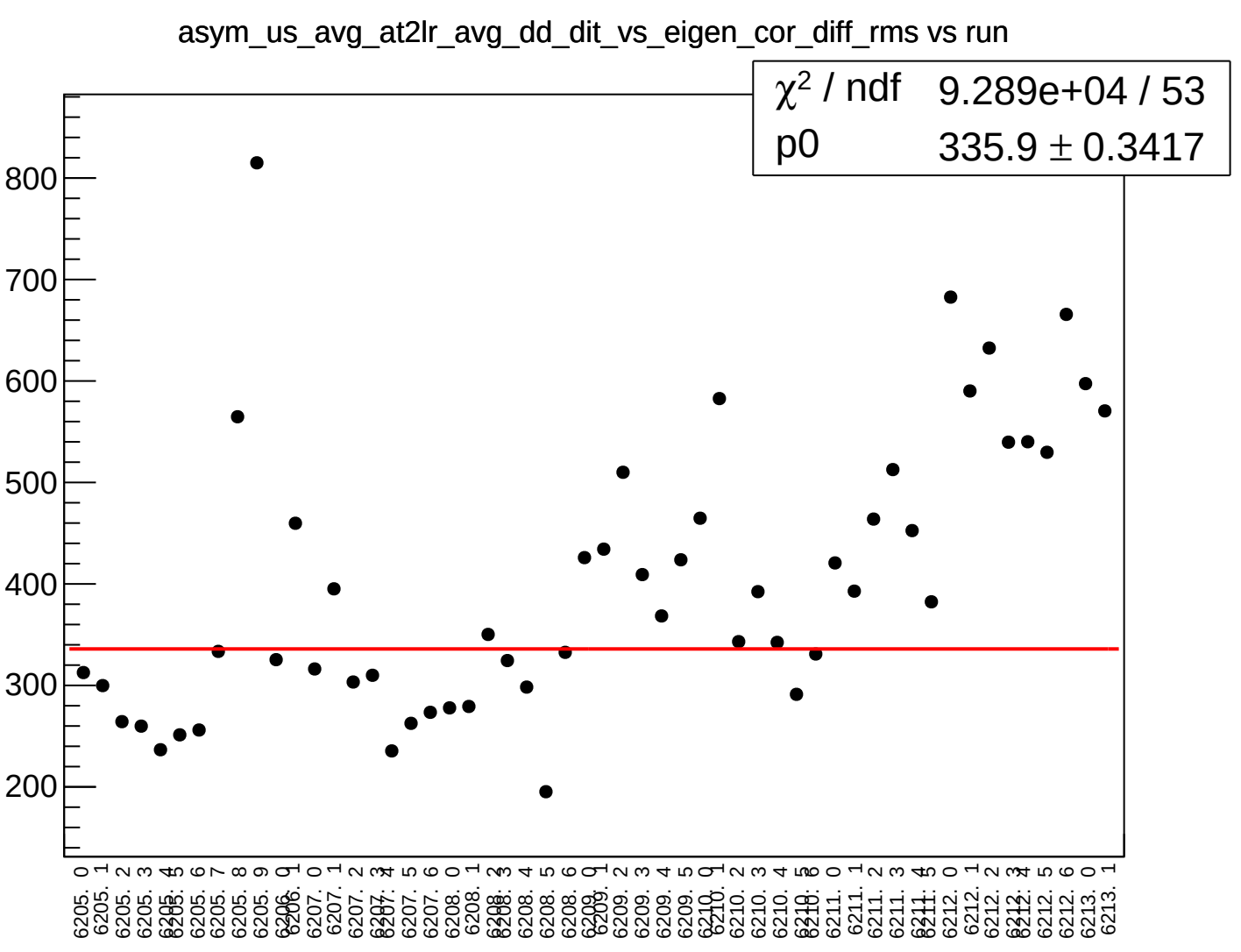

asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 55.92 / 53
p0 0.7924 ± 0.4832
pull
Entries 54
Mean 35.92
Std Dev 11.3

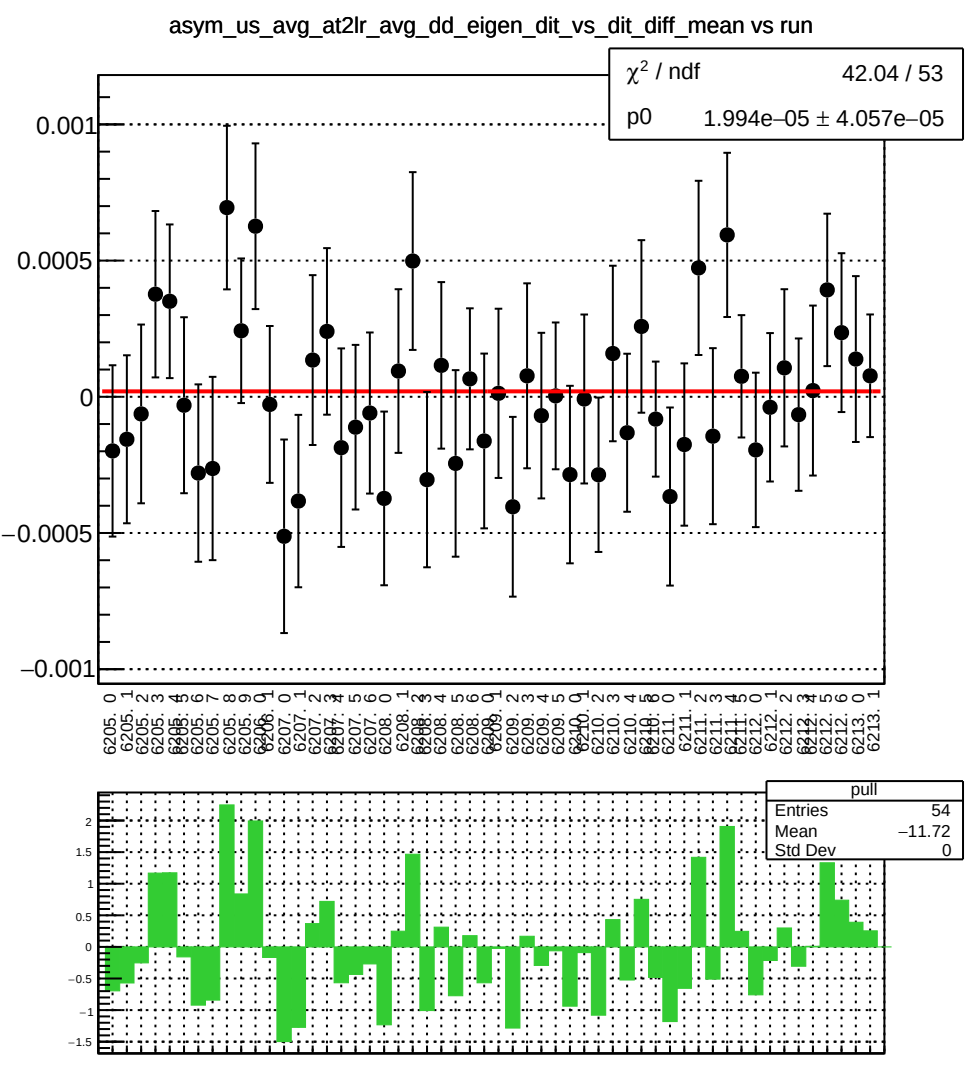

pull1D
Entries 54
Mean −0.04623
Std Dev 1.017

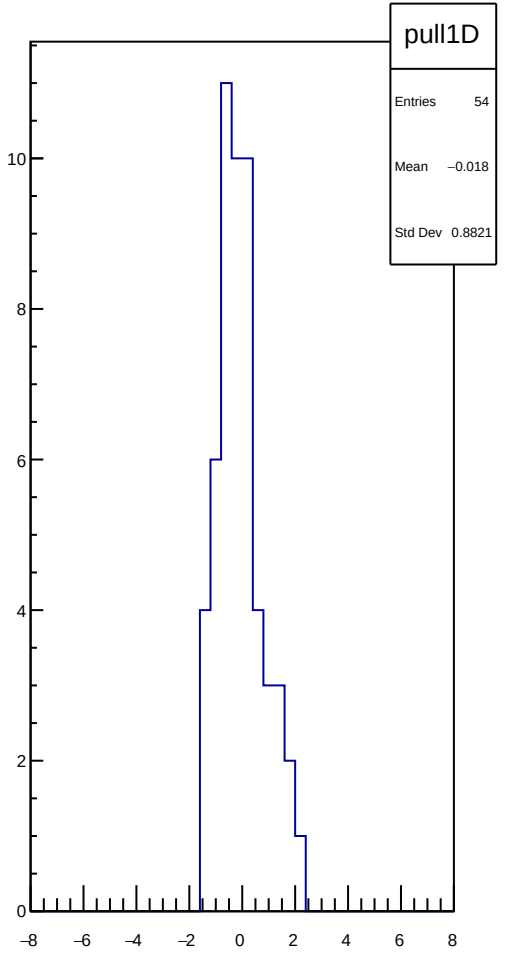

asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 9.289e+04 / 53
p0 335.9 ± 0.3417
800
700
600
500
400
300
200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

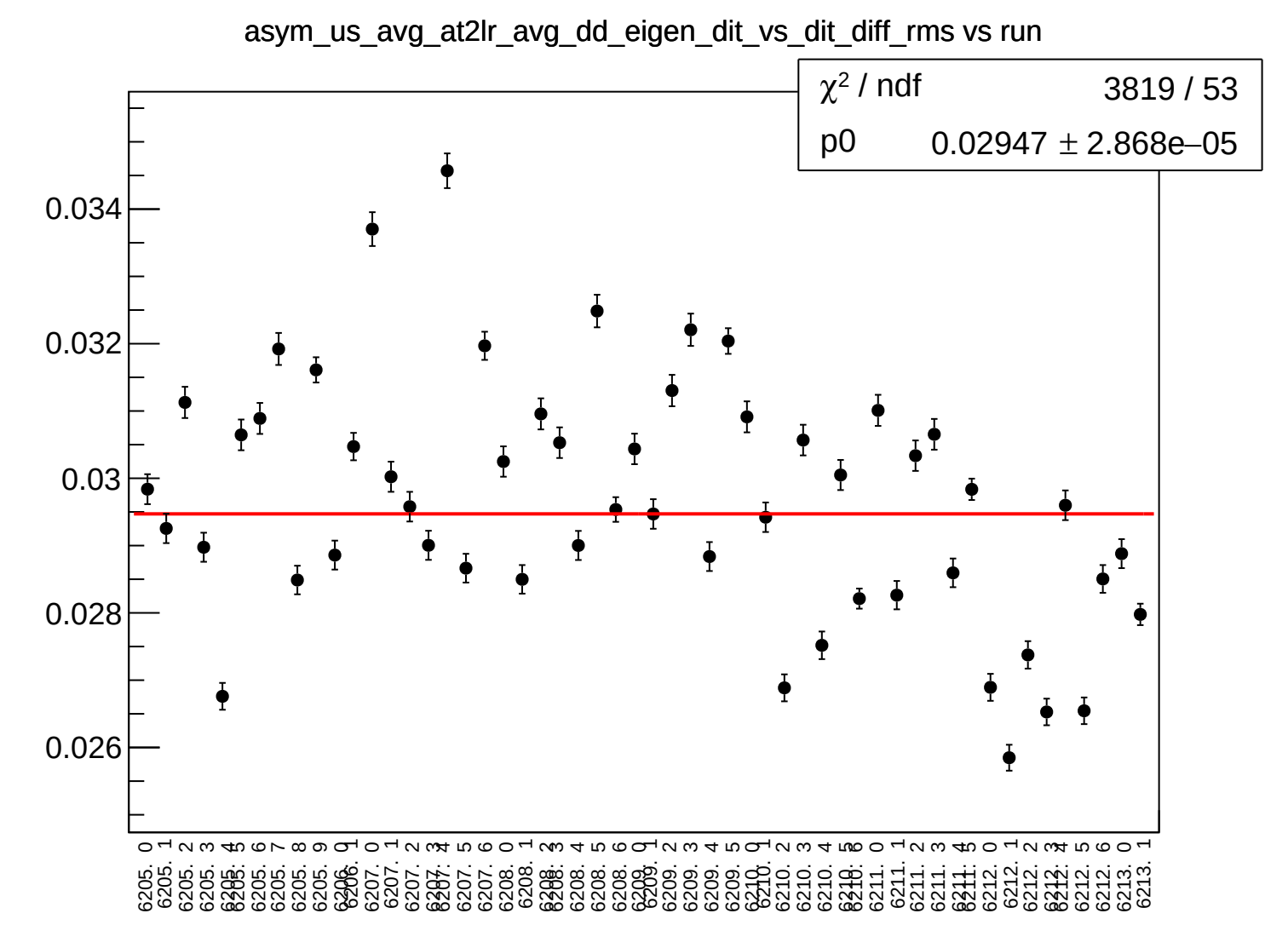

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 55.92 / 53
p0 0.7924 ± 0.4832
pull
Entries 54
Mean 35.92
Std Dev 11.3


pull1D
Entries 54
Mean −0.04623
Std Dev 1.017


asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.289e+04 / 53
p0 335.9 ± 0.3417
800
700
600
500
400
300
200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_us_avg_at2lr_avg_dd_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 42.04 / 53
p0 1.994e−05 ± 4.057e−05
0.001
0.0005
0
−0.0005
−0.001
pull
Entries 54
Mean −11.72
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 54
Mean −0.018
Std Dev 0.8821
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_avg_at2lr_avg_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3819 / 53
p0 0.02947 ± 2.868e−05
0.034
0.032
0.03
0.028
0.026
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
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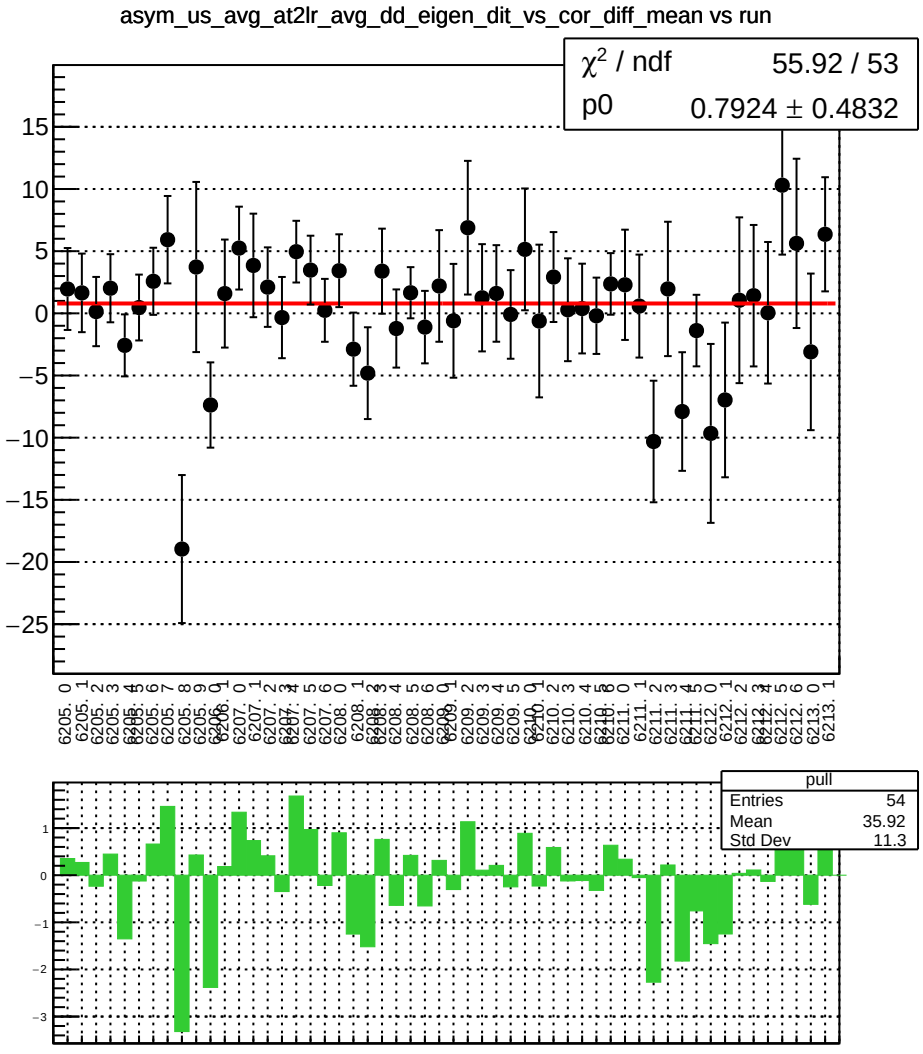
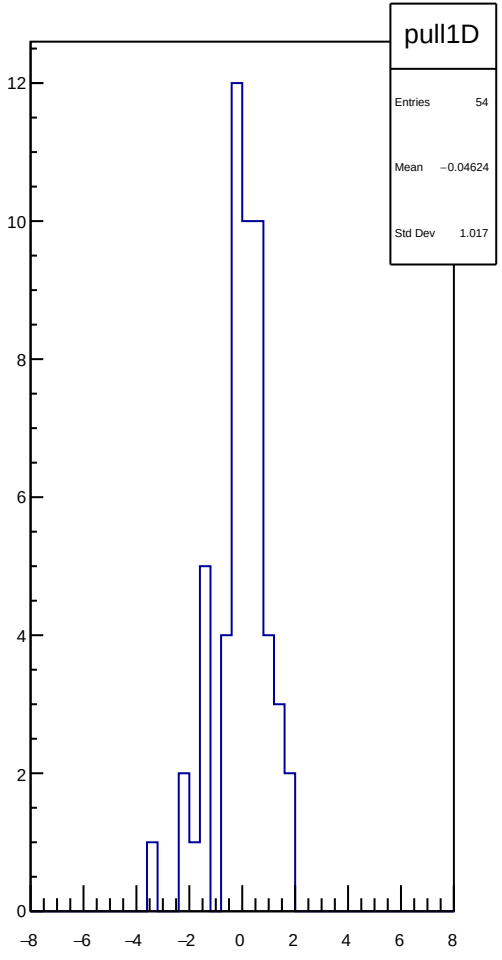
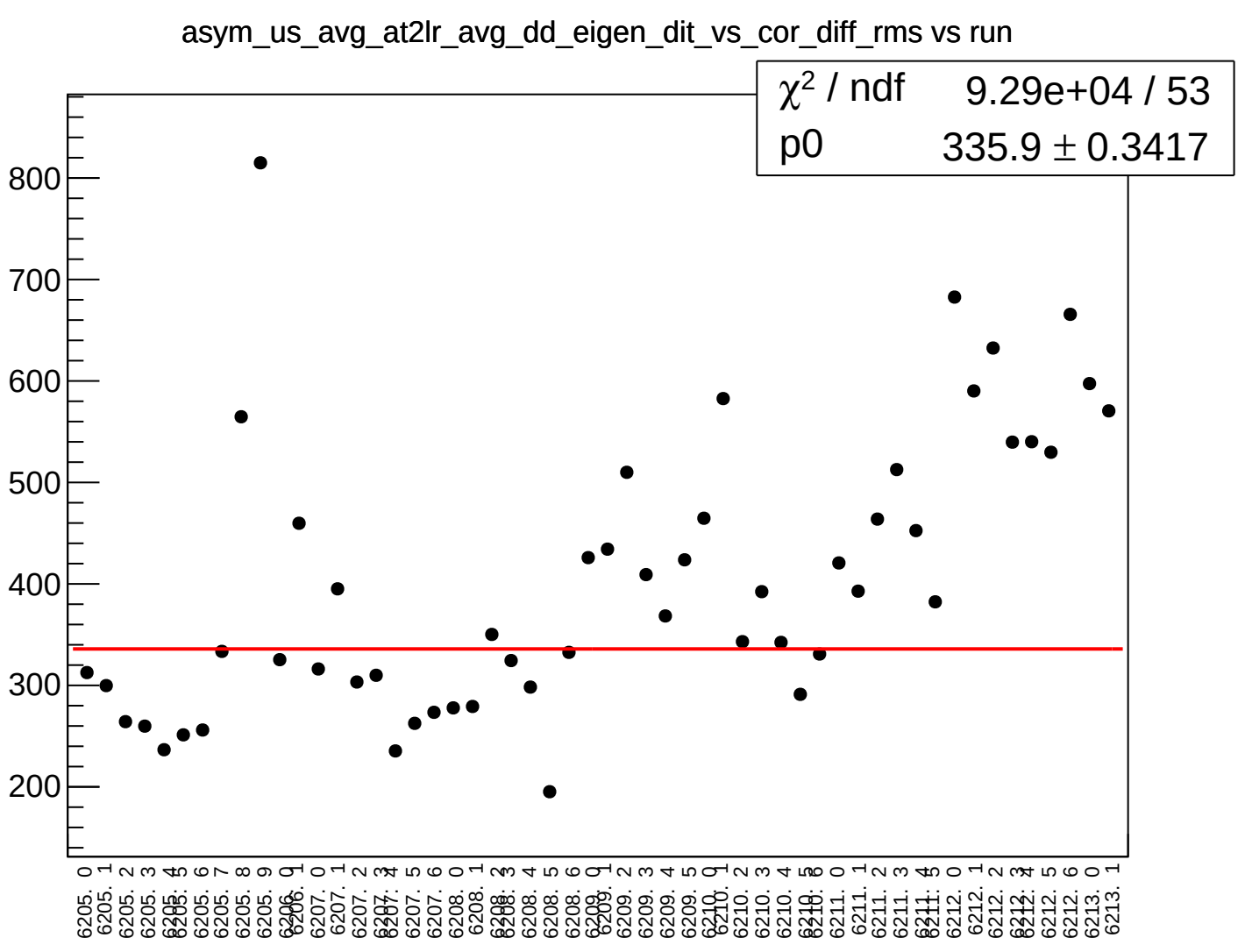
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 55.92 / 53
p0 0.7924 ± 0.4832
pull
Entries 54
Mean 35.92
Std Dev 11.3


pull1D
Entries 54
Mean −0.04624
Std Dev 1.017


asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 9.29e+04 / 53
p0 335.9 ± 0.3417
800
700
600
500
400
300
200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
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6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
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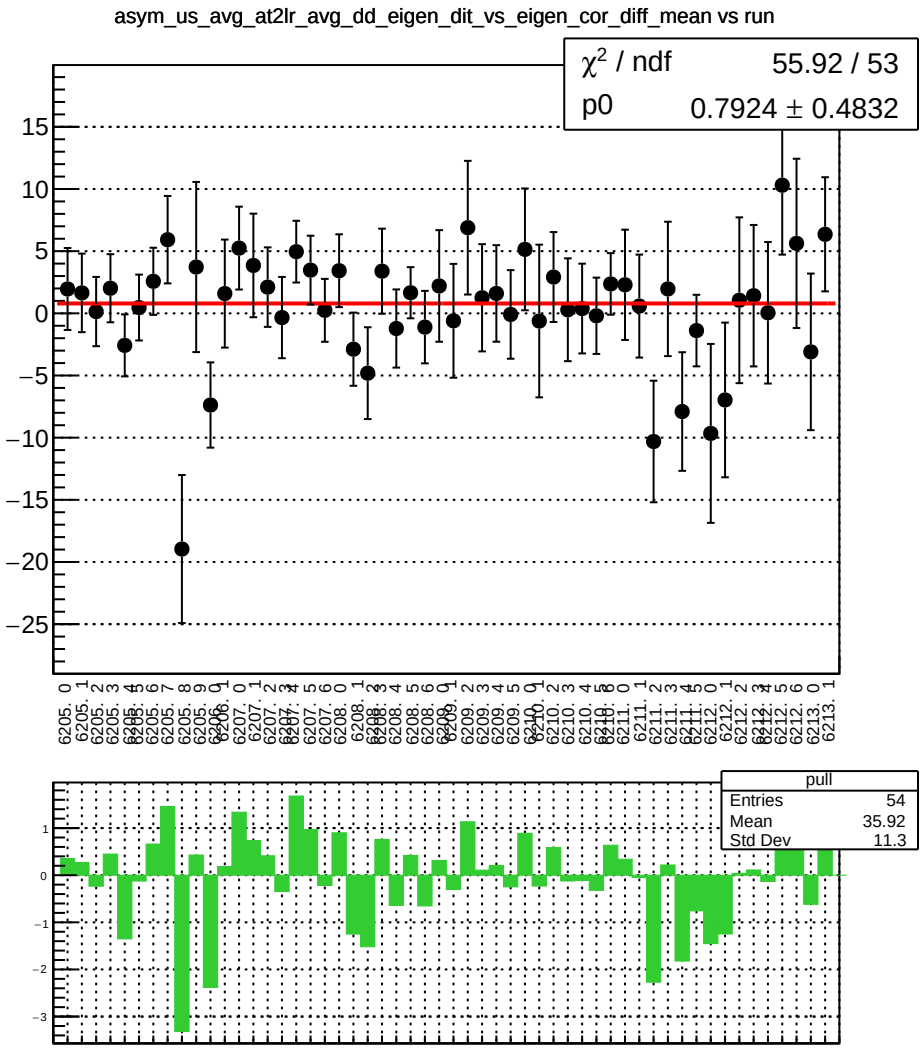
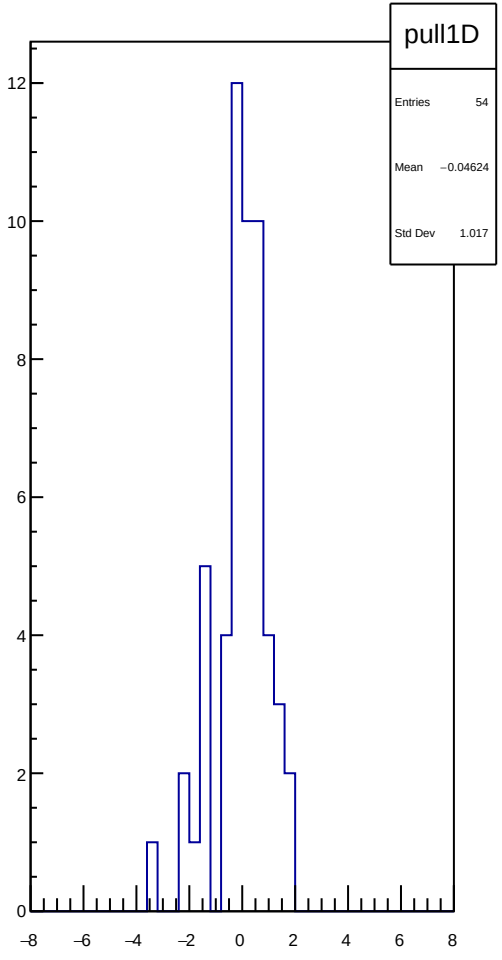
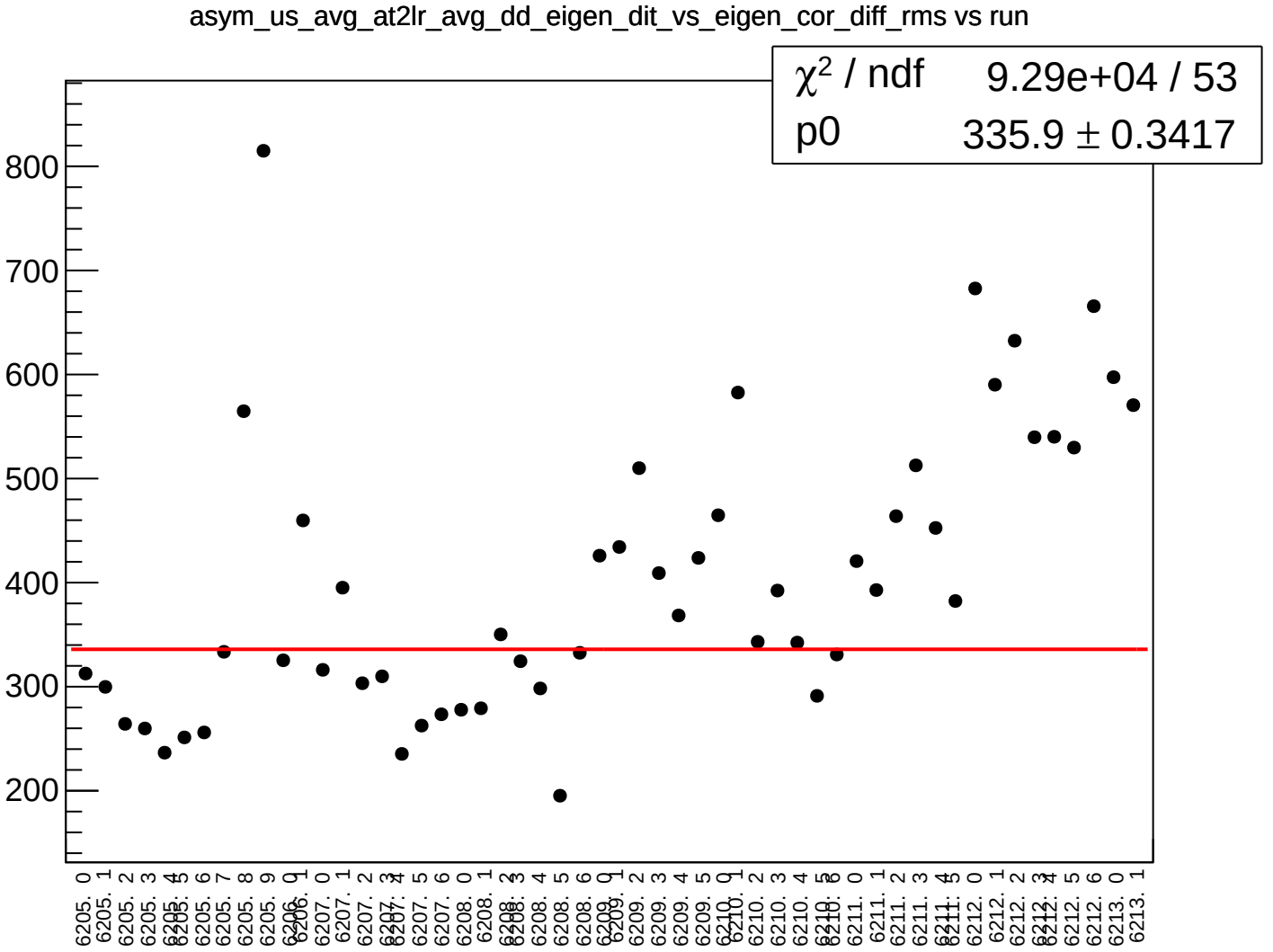
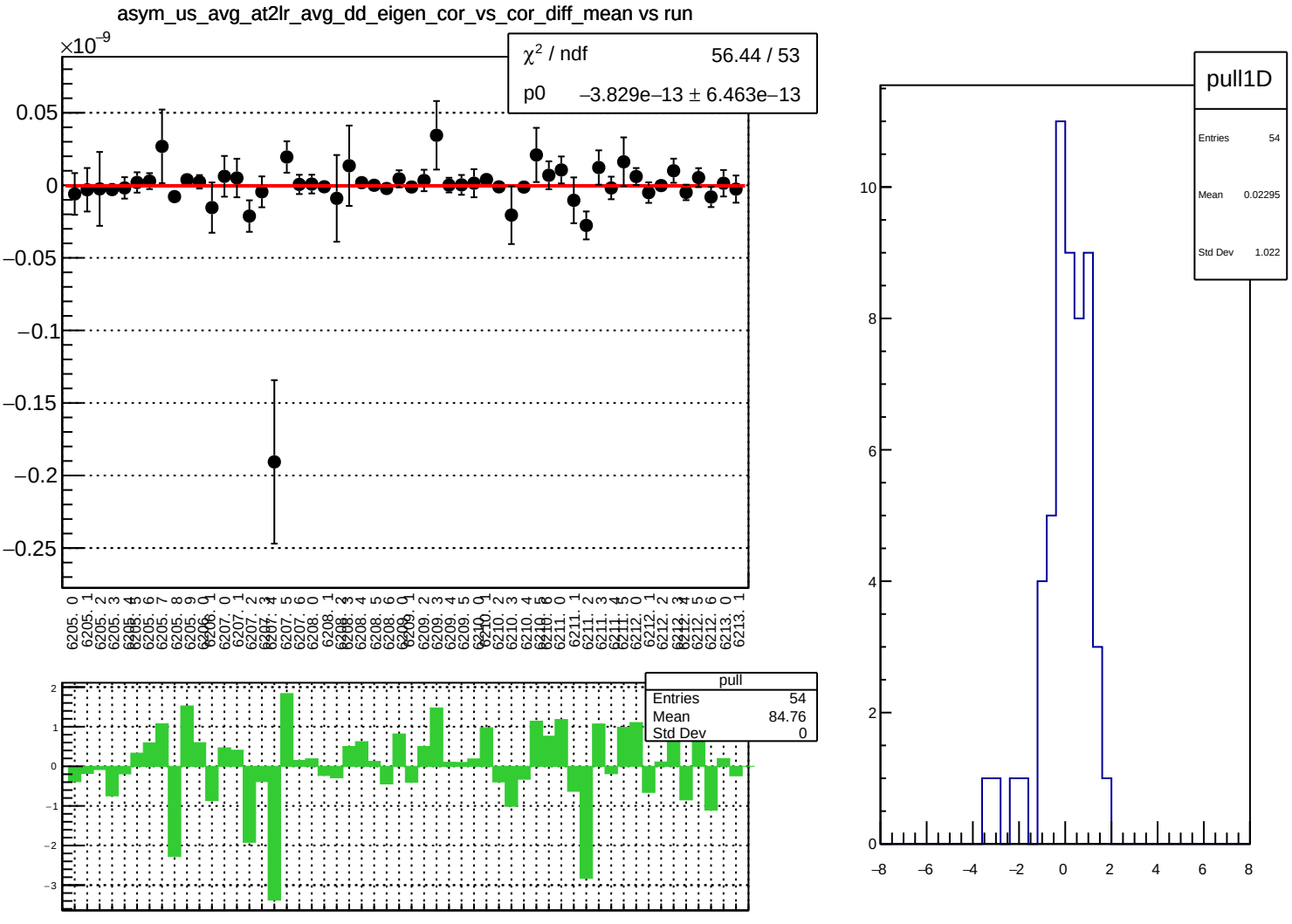
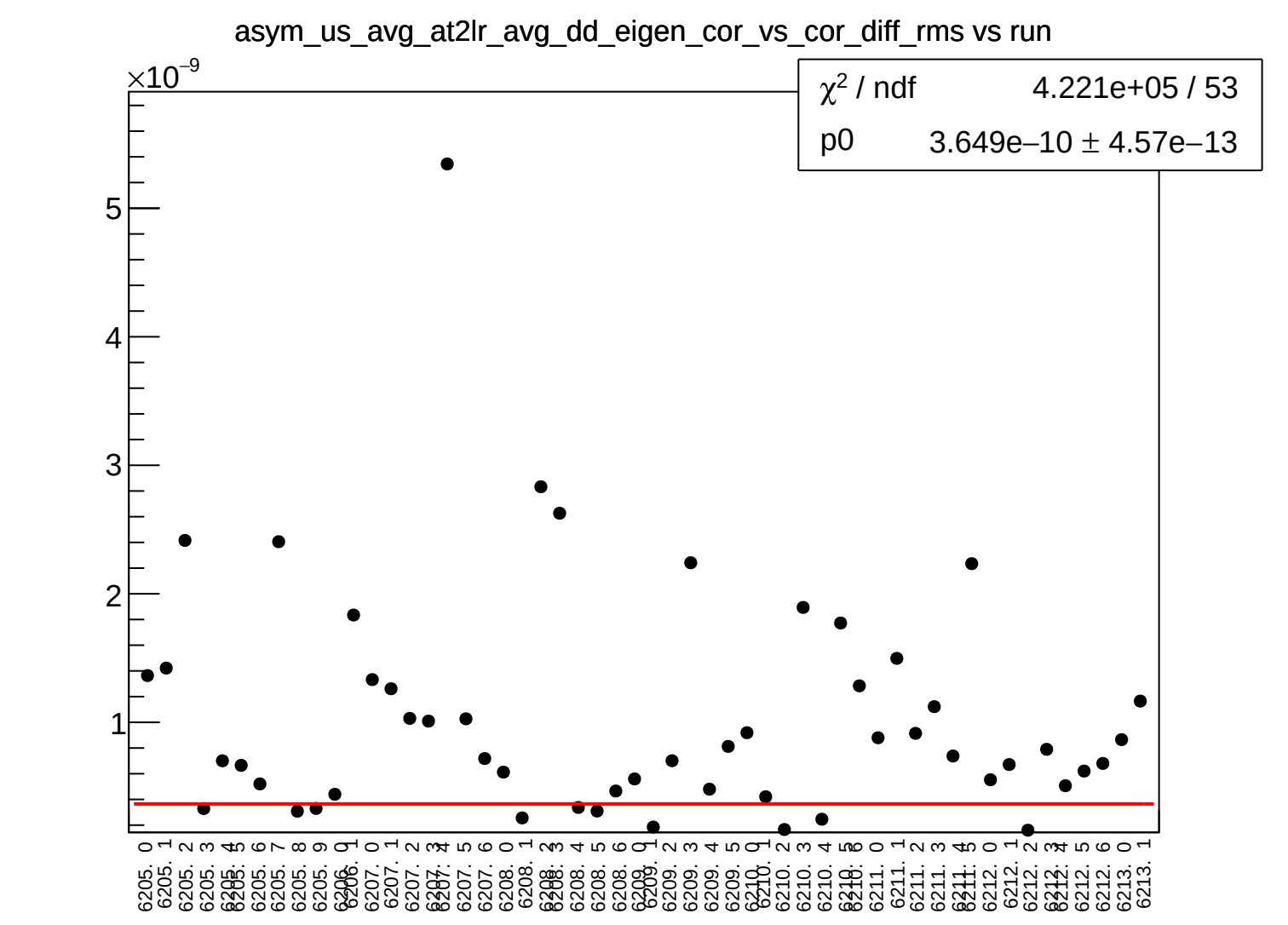
6213. 1

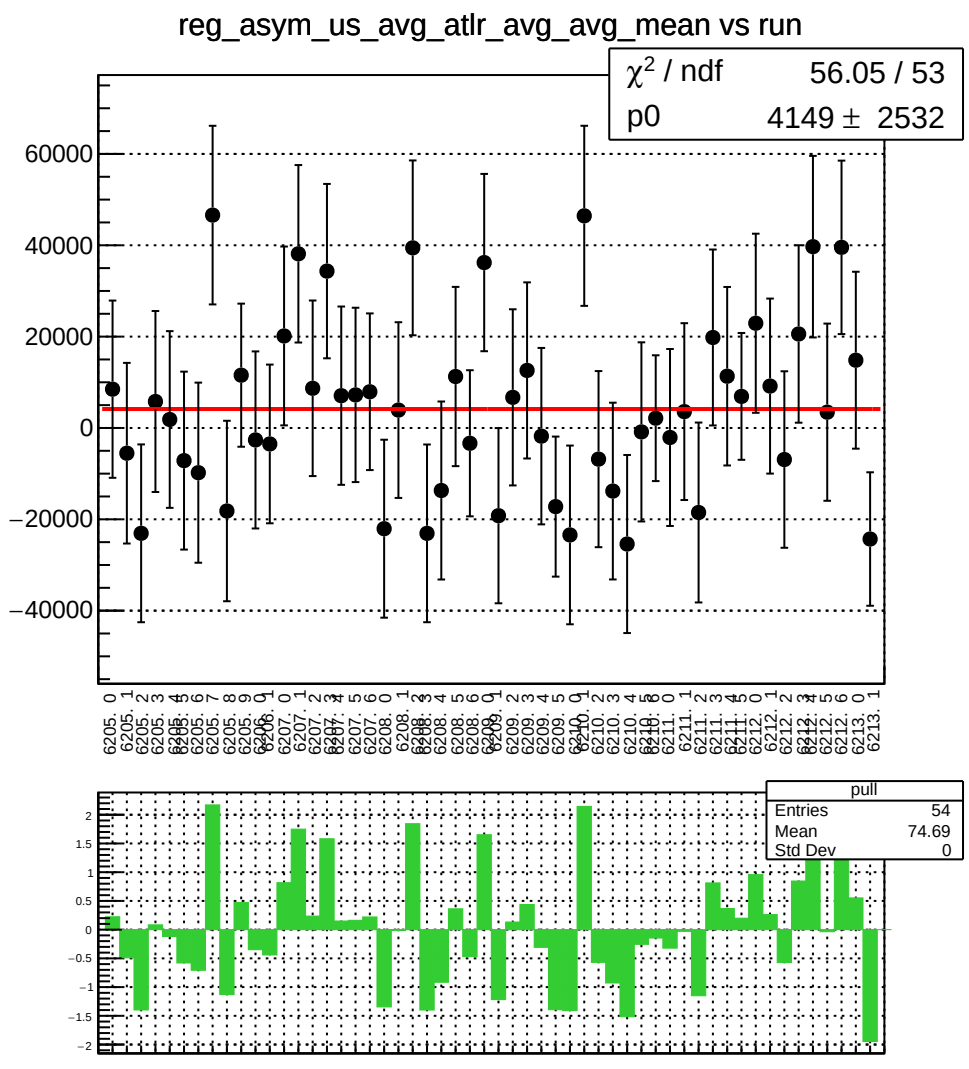

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 55.92 / 53
p0 0.7924 ± 0.4832
pull
Entries 54
Mean 35.92
Std Dev 11.3

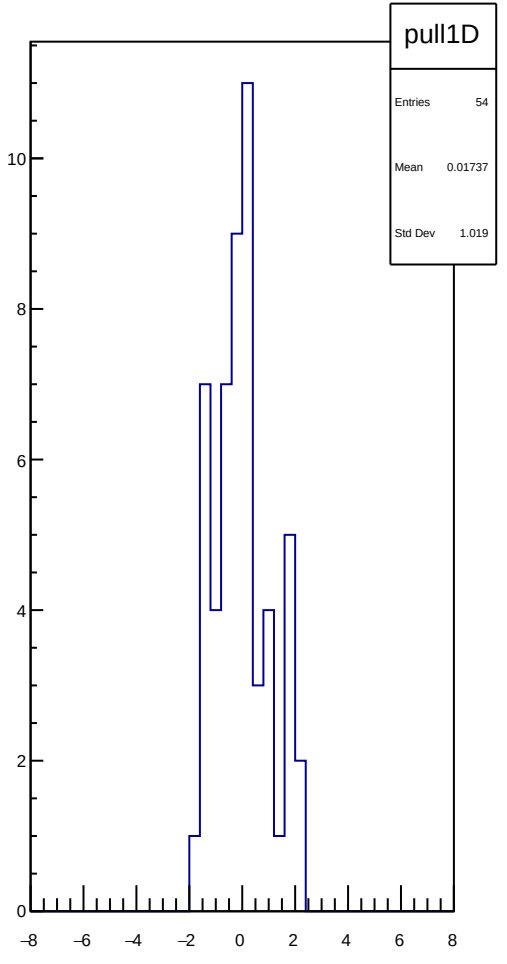

pull1D
Entries 54
Mean −0.04624
Std Dev 1.017

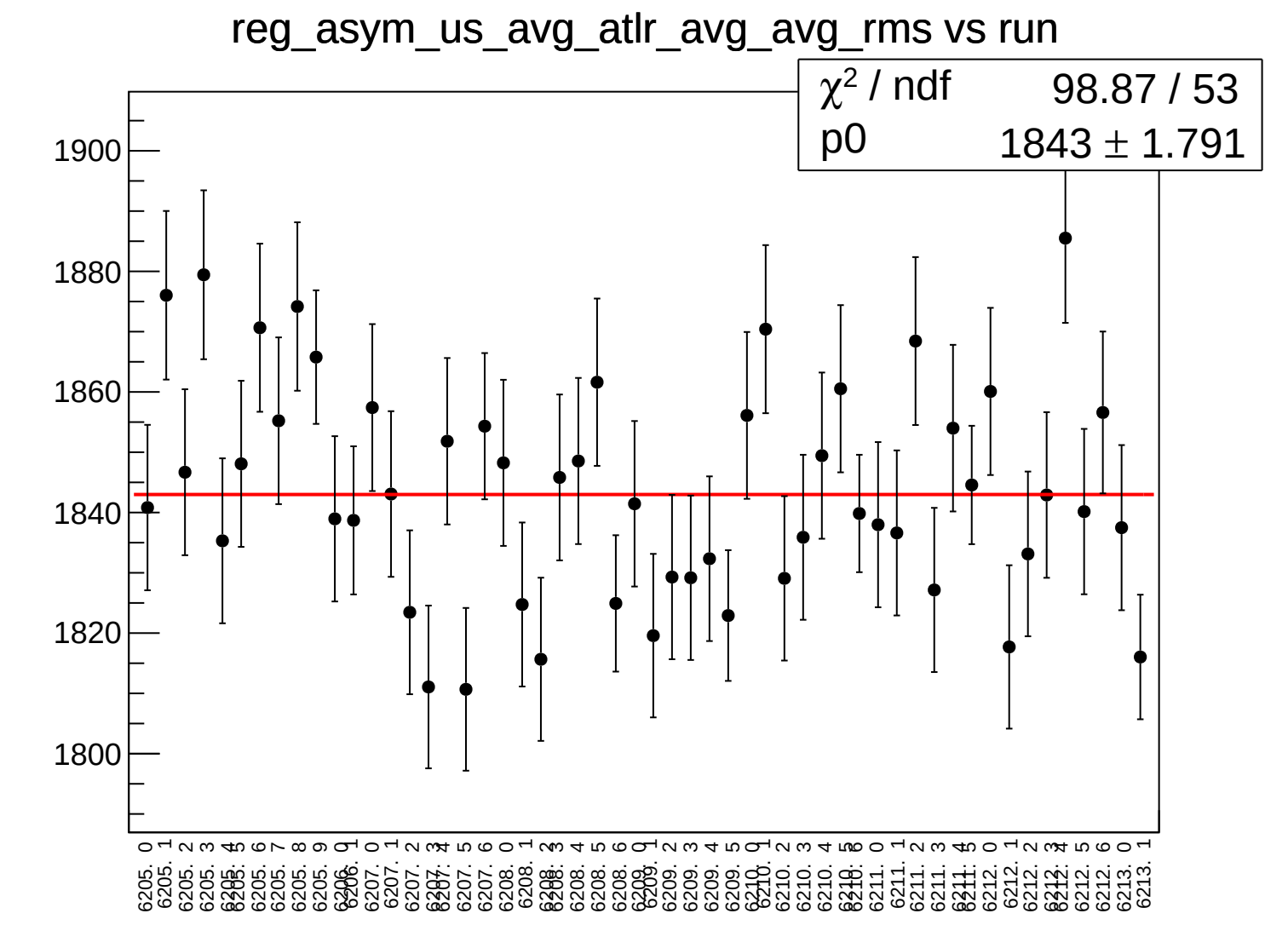

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.29e+04 / 53
p0 335.9 ± 0.3417
800
700
600
500
400
300
200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

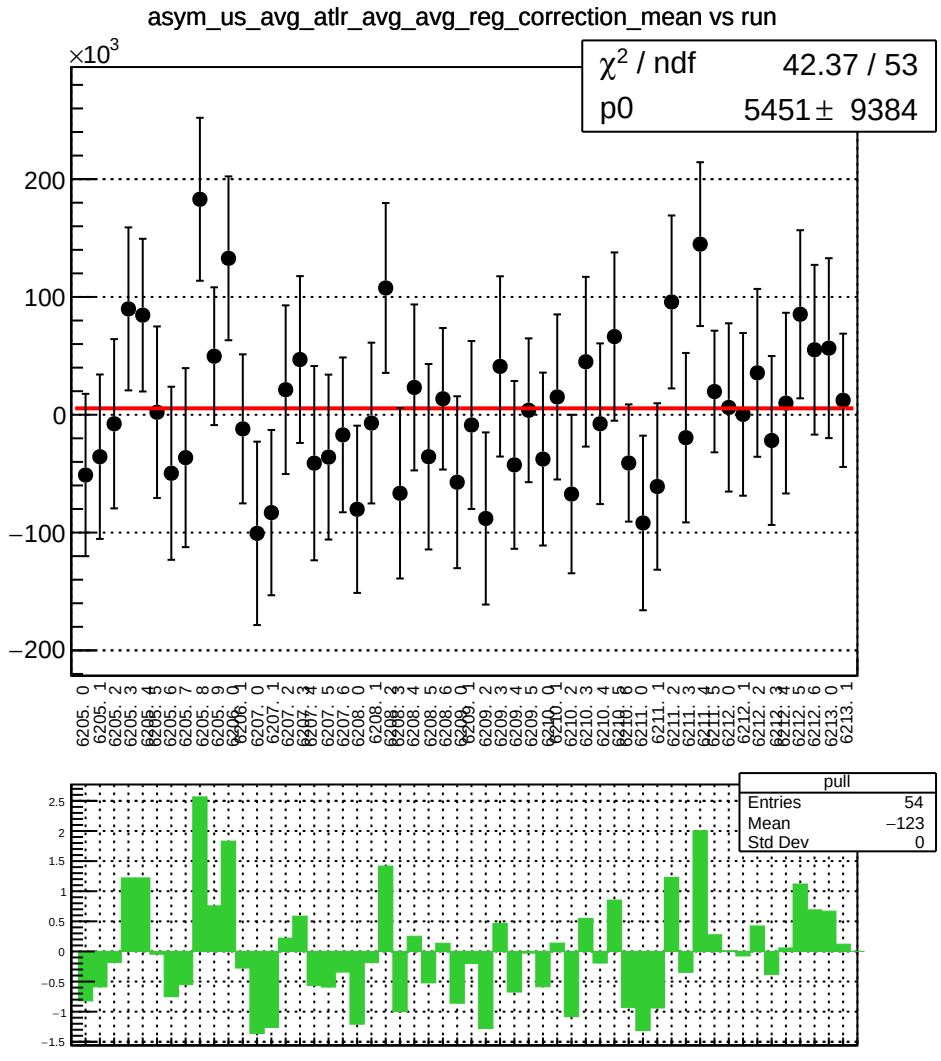

asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻⁹
χ² / ndf 56.44 / 53
p0 −3.829e−13 ± 6.463e−13
0.05
0
−0.05
−0.1
−0.15
−0.2
−0.25
pull
Entries 54
Mean 84.76
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 54
Mean 0.02295
Std Dev 1.022
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

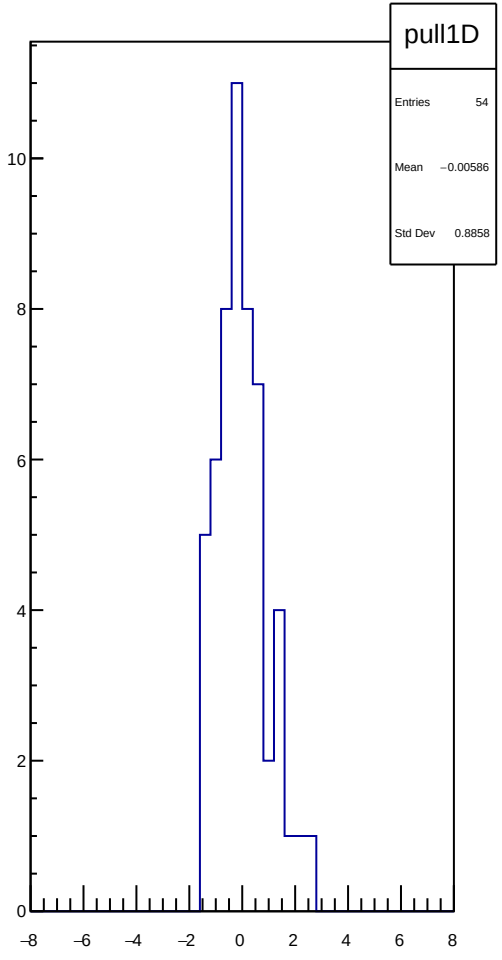

asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.221e+05 / 53
p0 3.649e−10 ± 4.57e−13
5
4
3
2
1
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

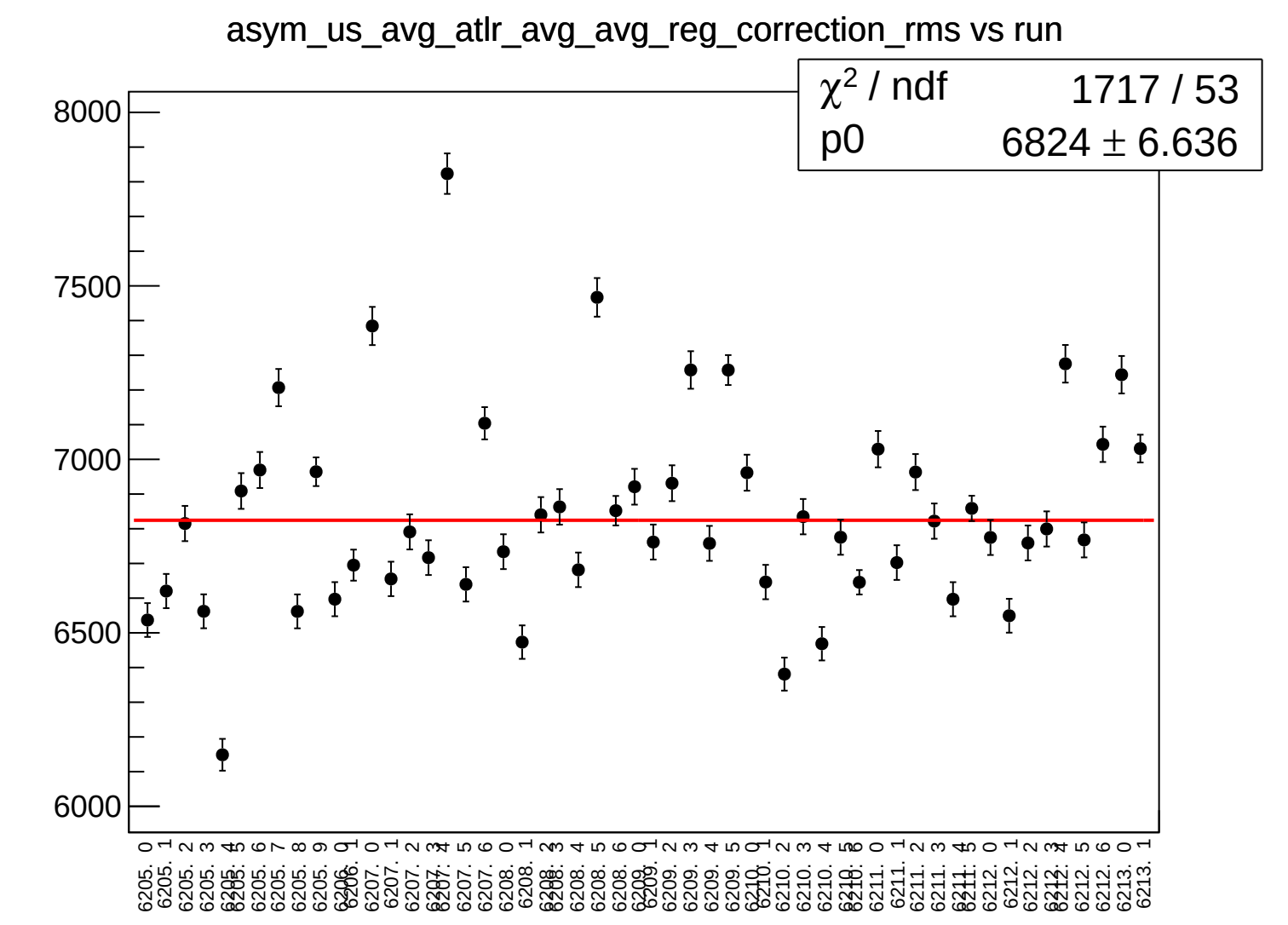

reg_asym_us_avg_atlr_avg_avg_mean vs run
χ² / ndf 56.05 / 53
p0 4149 ± 2532
60000
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 74.69
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

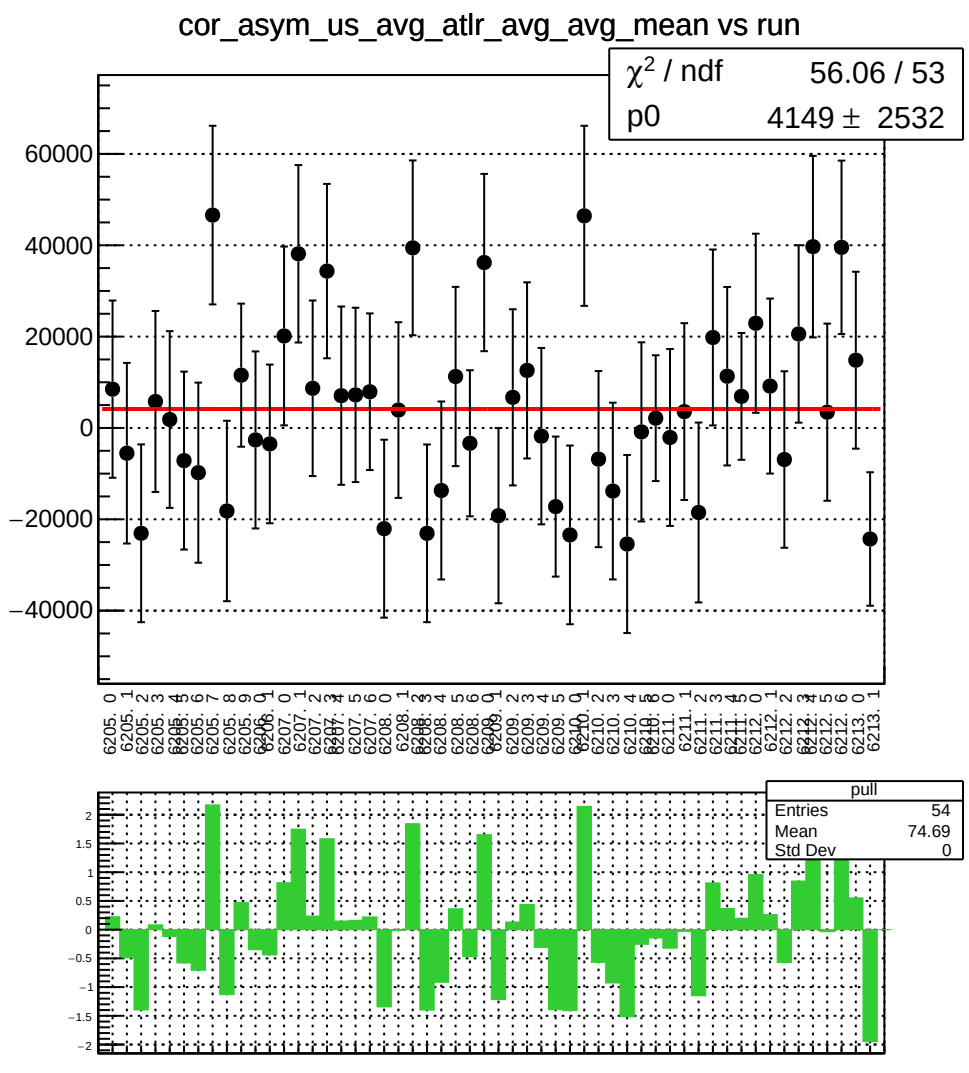

pull1D
Entries 54
Mean 0.01737
Std Dev 1.019
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

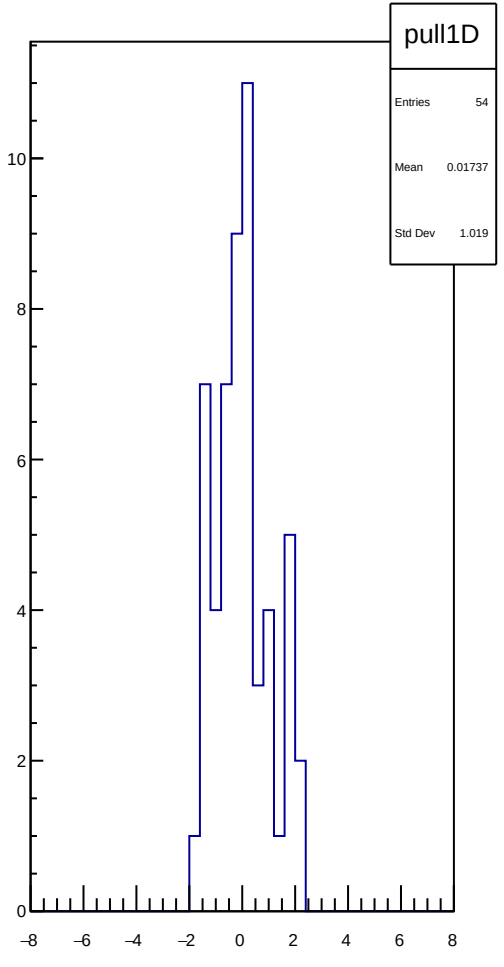

reg_asym_us_avg_atlr_avg_avg_rms vs run
χ² / ndf 98.87 / 53
p0 1843 ± 1.791
1900
1880
1860
1840
1820
1800
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

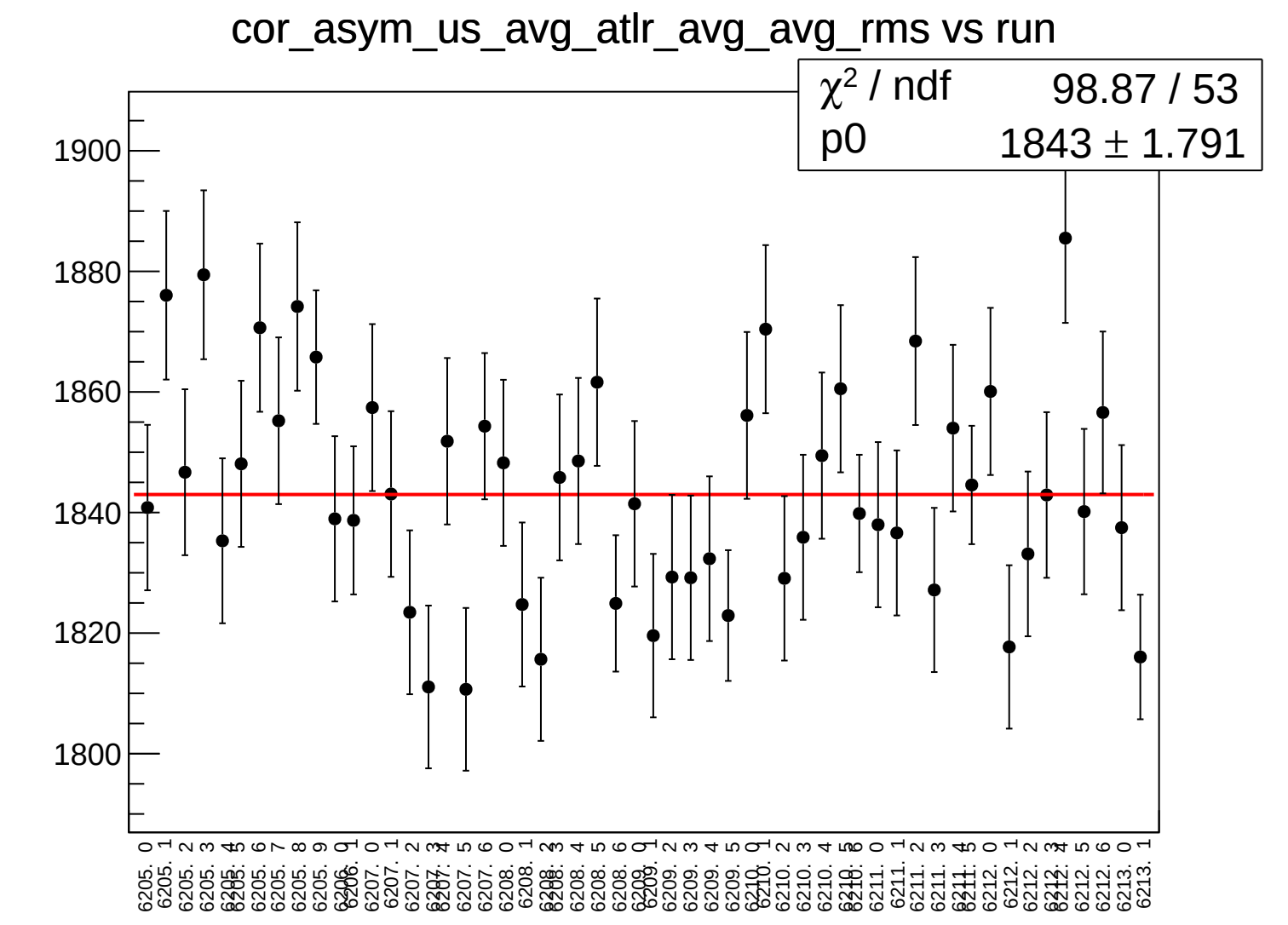

asym_us_avg_atlr_avg_avg_reg_correction_mean vs run
χ² / ndf 42.37 / 53
p0 5451 ± 9384
pull
Entries 54
Mean −123
Std Dev 0

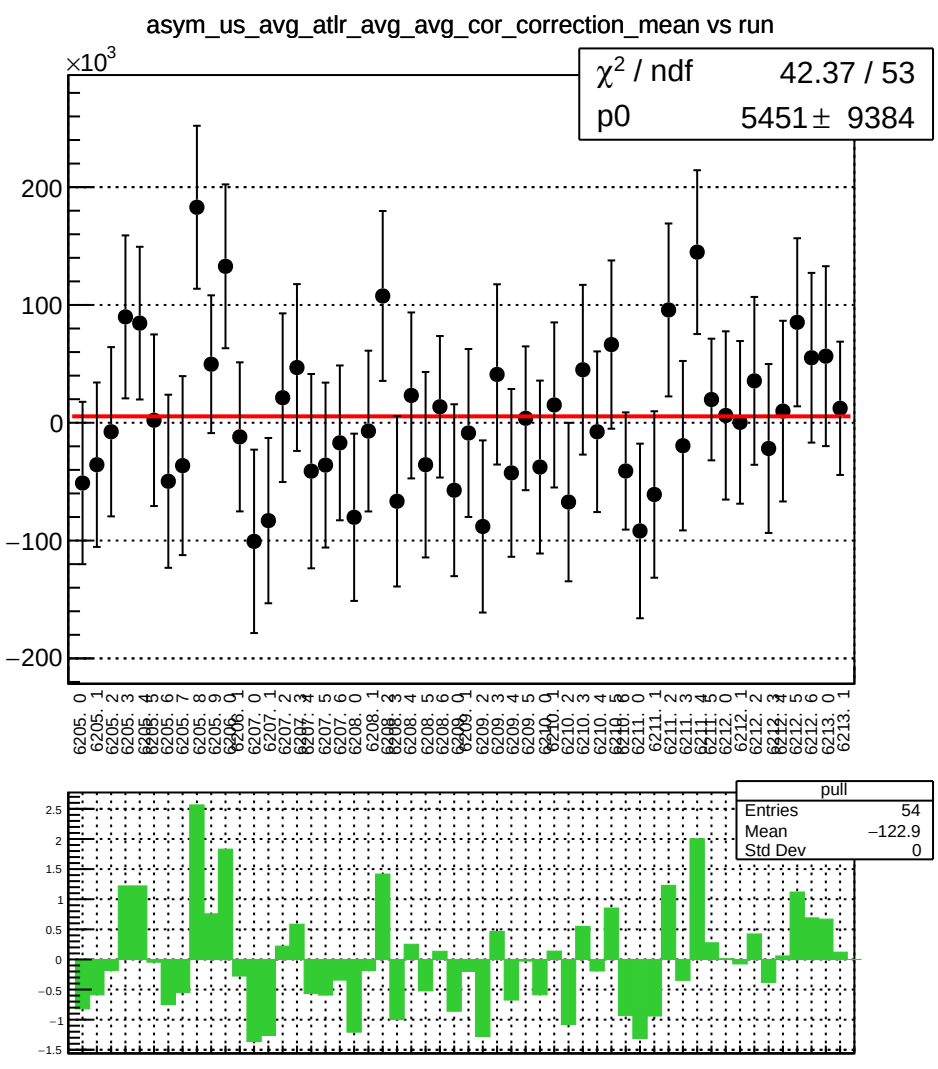

pull1D
Entries 54
Mean −0.00586
Std Dev 0.8858

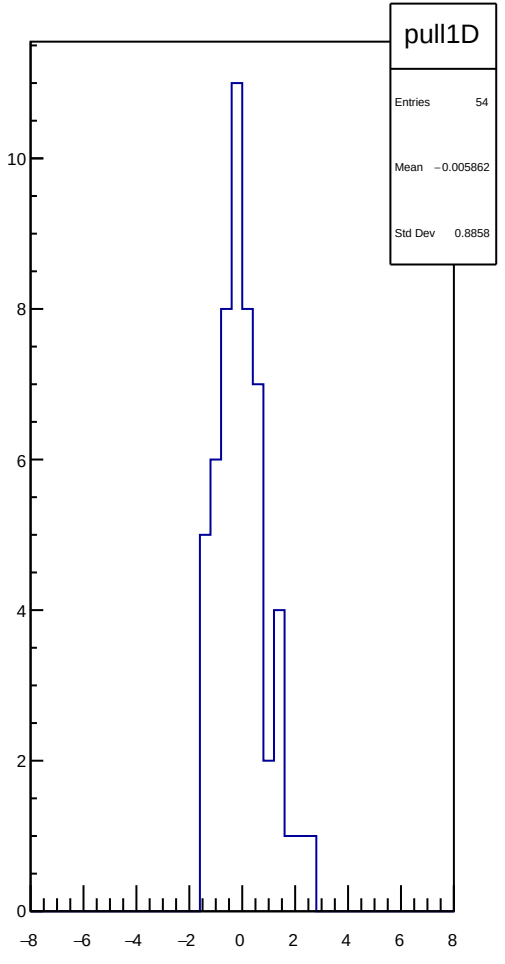

asym_us_avg_atlr_avg_avg_reg_correction_rms vs run
χ² / ndf 1717 / 53
p0 6824 ± 6.636
8000
7500
7000
6500
6000
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

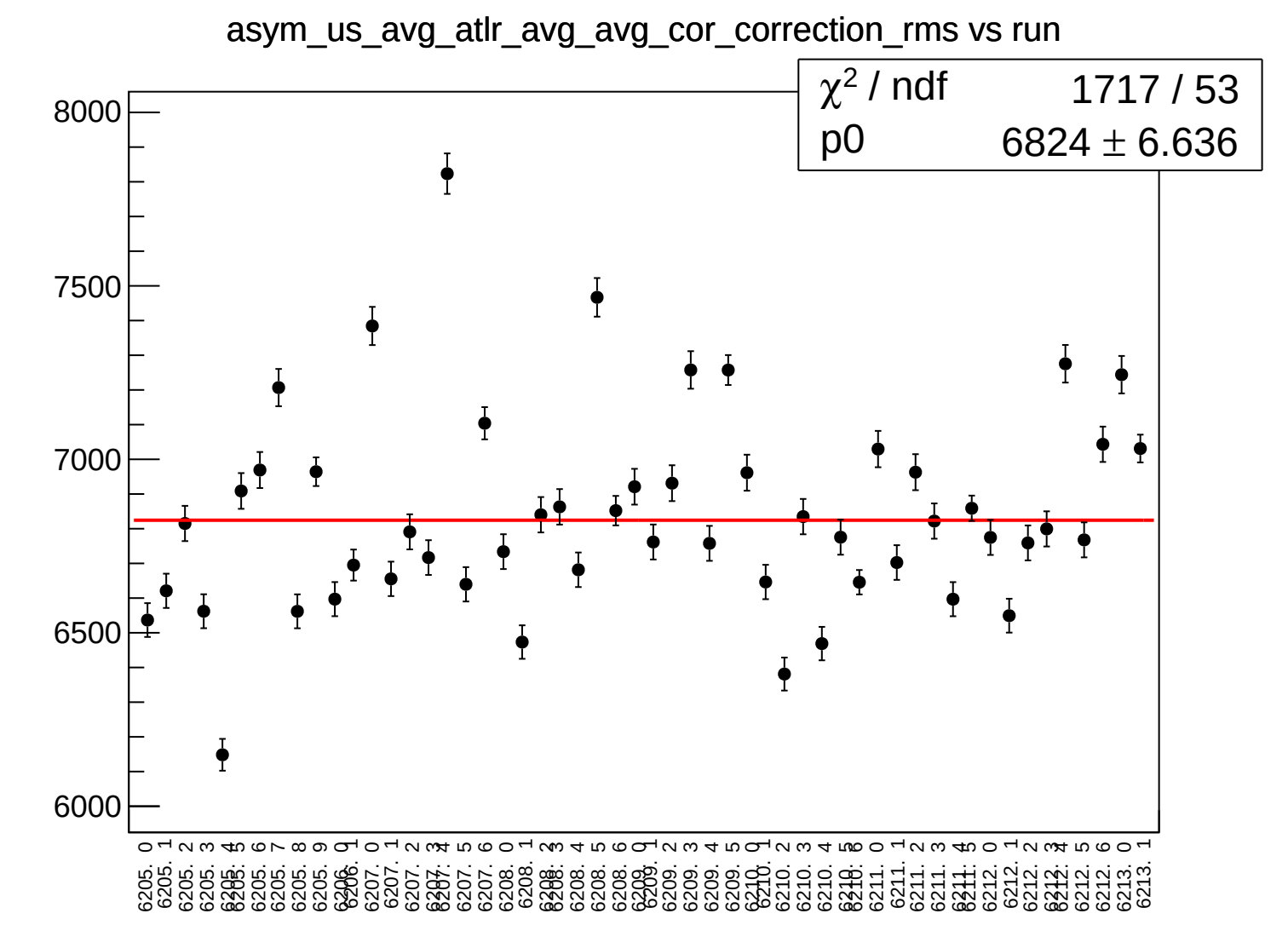

cor_asym_us_avg_atlr_avg_avg_mean vs run
χ² / ndf 56.06 / 53
p0 4149 ± 2532
60000
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 74.69
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

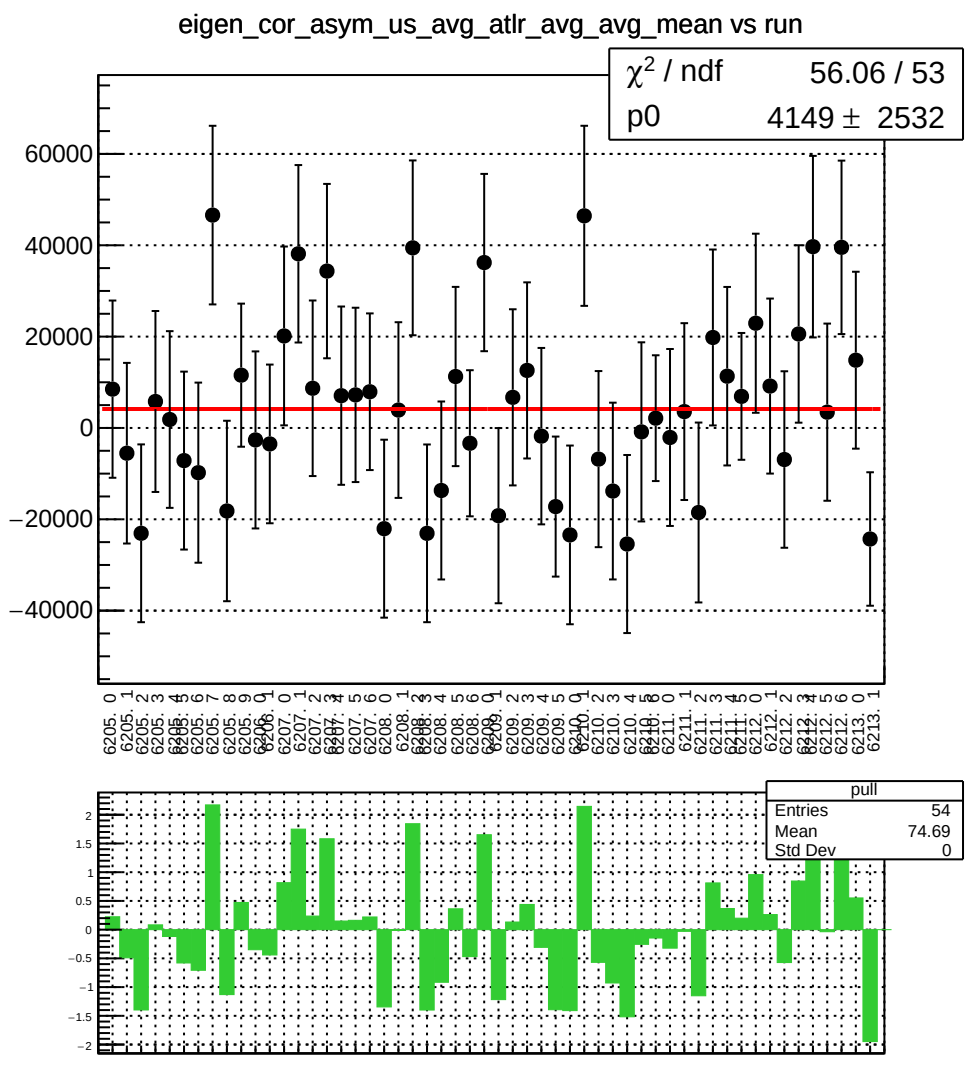

pull1D
Entries 54
Mean 0.01737
Std Dev 1.019
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

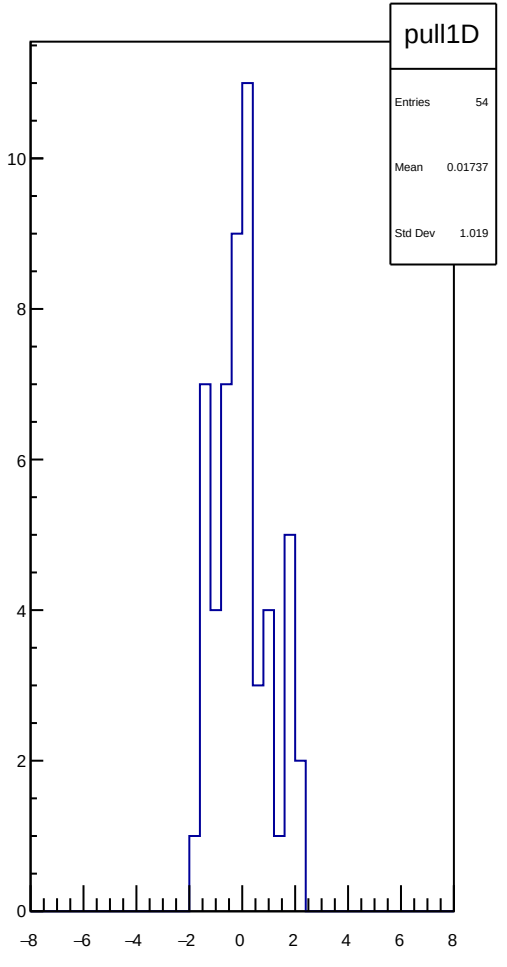

cor_asym_us_avg_atlr_avg_avg_rms vs run
χ² / ndf 98.87 / 53
p0 1843 ± 1.791
1900
1880
1860
1840
1820
1800
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

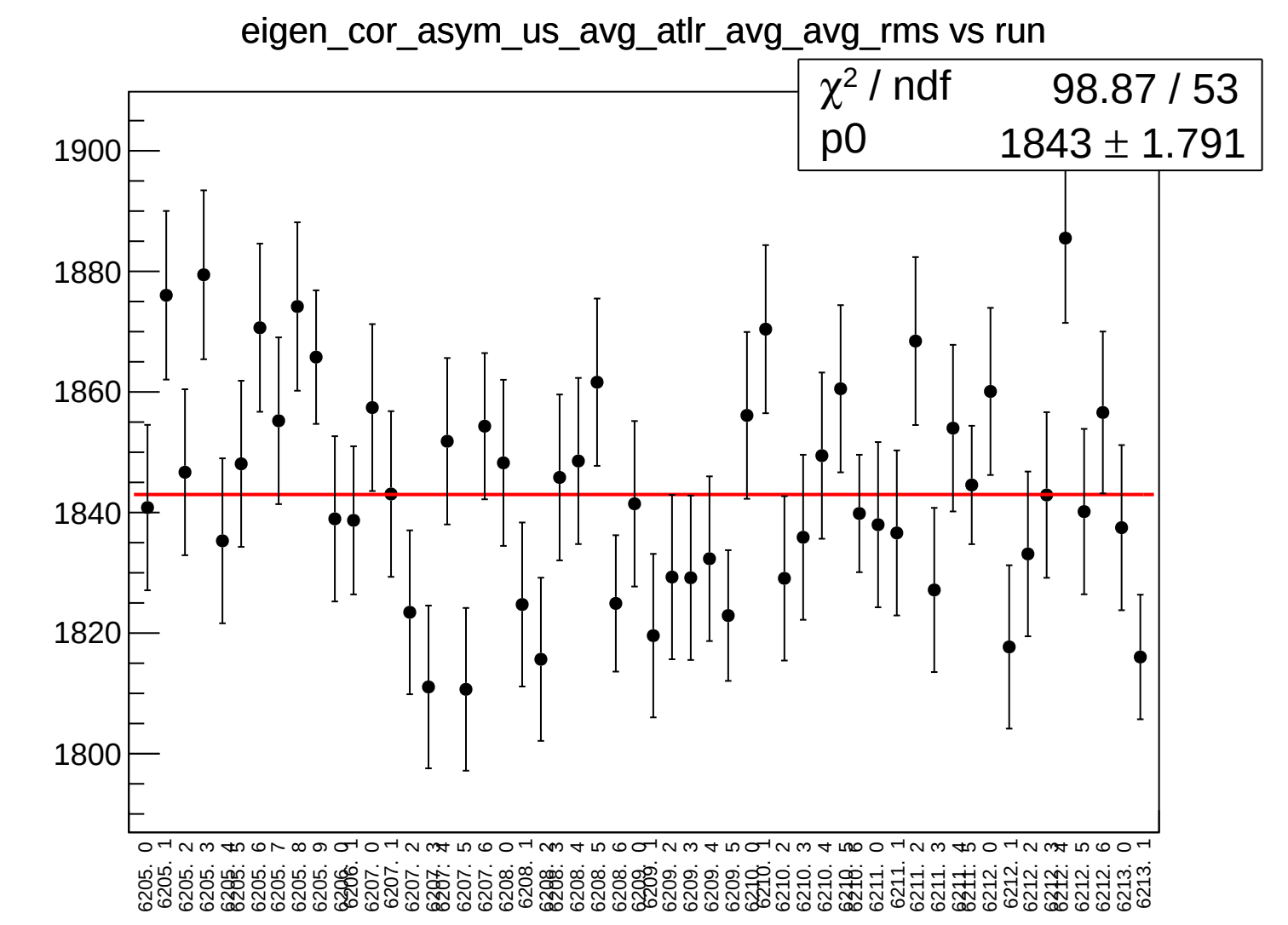

asym_us_avg_atlr_avg_avg_cor_correction_mean vs run
×10^3
χ^2 / ndf 42.37 / 53
p0 5451 ± 9384
200
100
0
−100
−200
pull
Entries 54
Mean −122.9
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

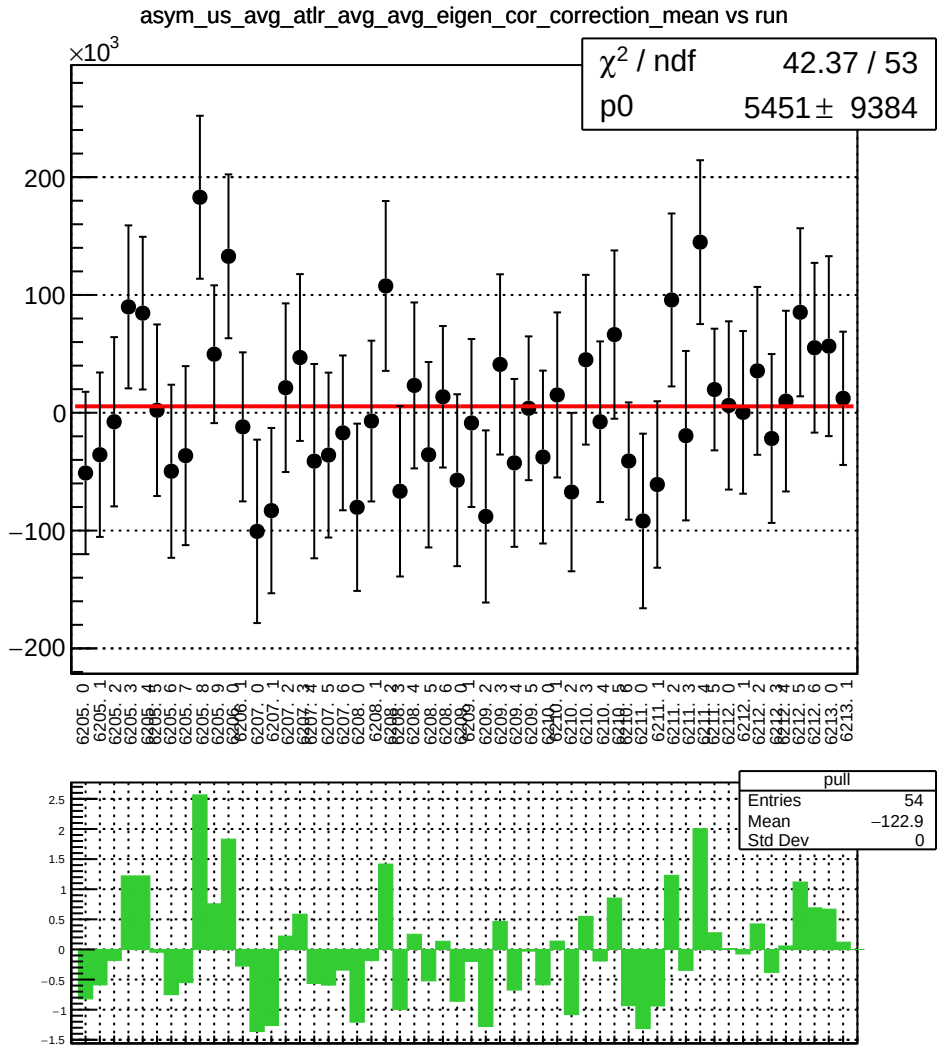

pull1D
Entries 54
Mean −0.005862
Std Dev 0.8858
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

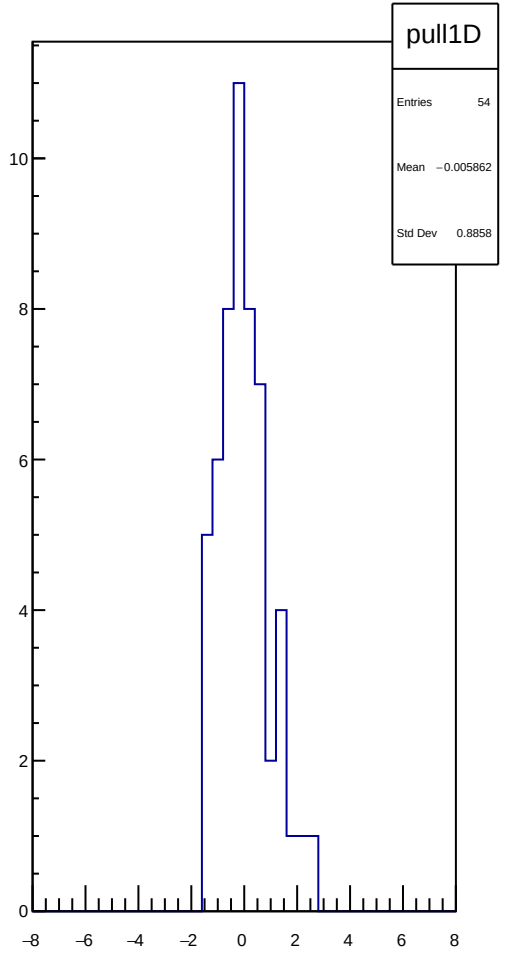

asym_us_avg_atlr_avg_avg_cor_correction_rms vs run
χ² / ndf 1717 / 53
p0 6824 ± 6.636
8000
7500
7000
6500
6000
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

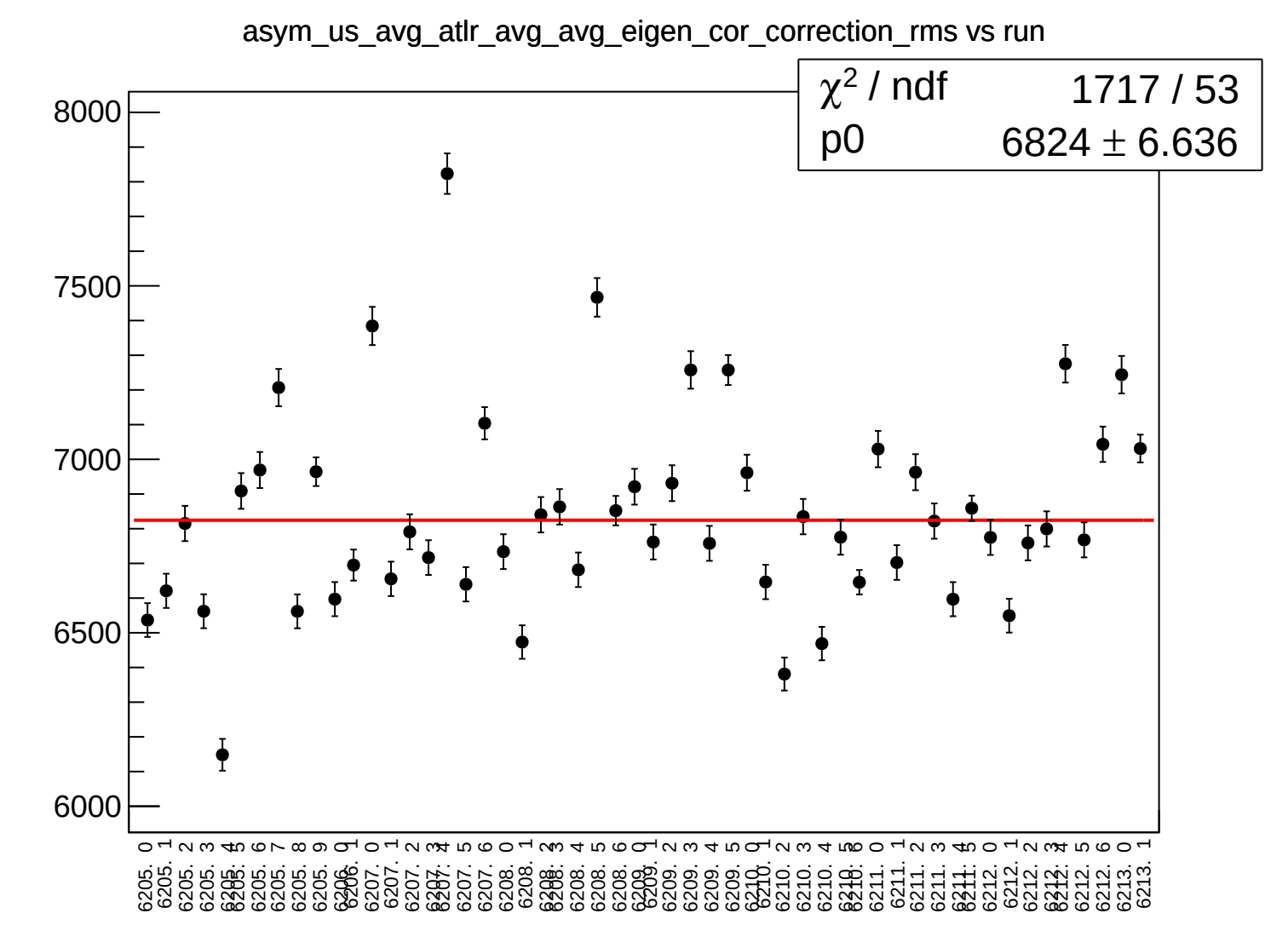

eigen_cor_asym_us_avg_atlr_avg_avg_mean vs run
χ² / ndf 56.06 / 53
p0 4149 ± 2532
60000
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 74.69
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

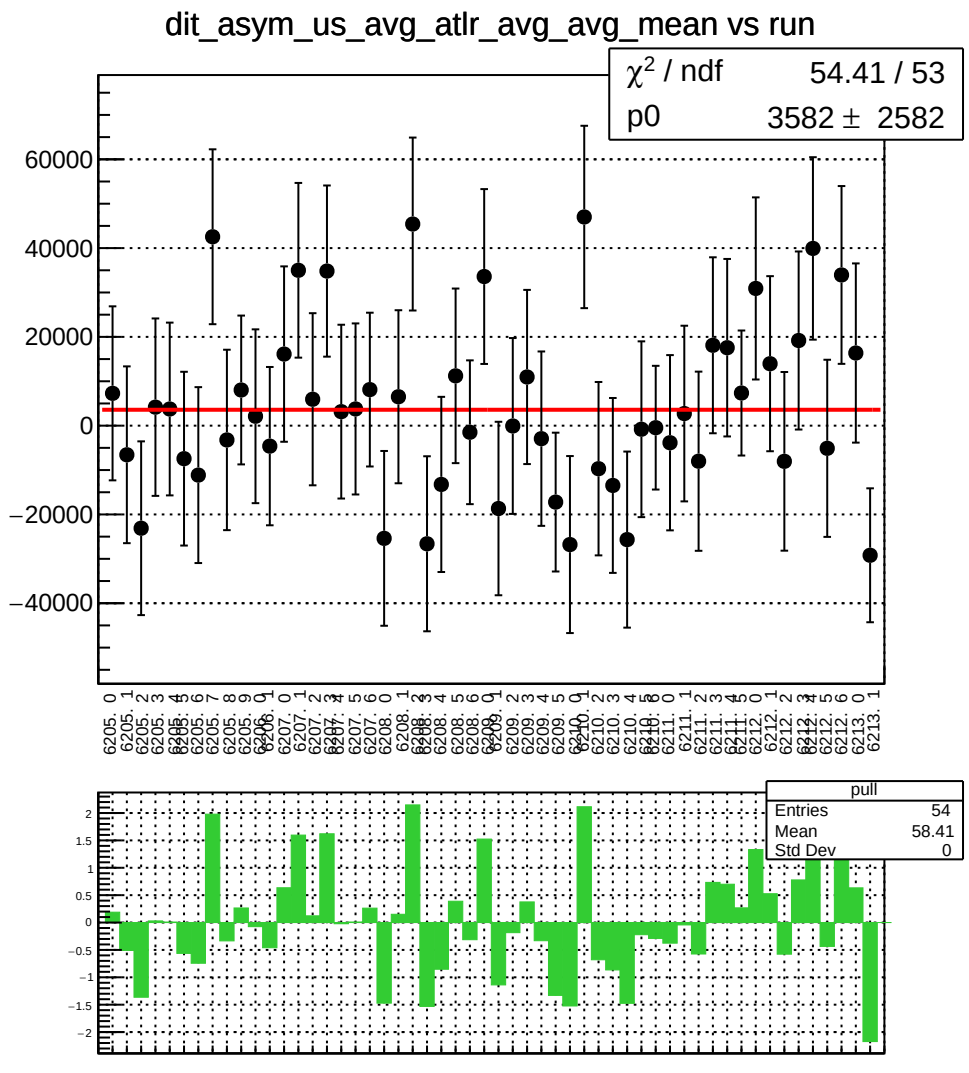

pull1D
Entries 54
Mean 0.01737
Std Dev 1.019
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

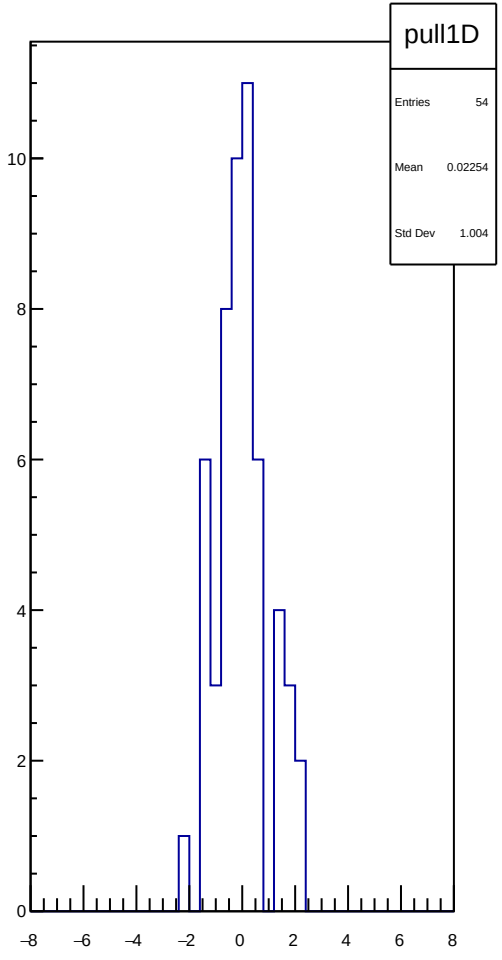

eigen_cor_asym_us_avg_atlr_avg_avg_rms vs run
χ² / ndf 98.87 / 53
p0 1843 ± 1.791
1900
1880
1860
1840
1820
1800
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

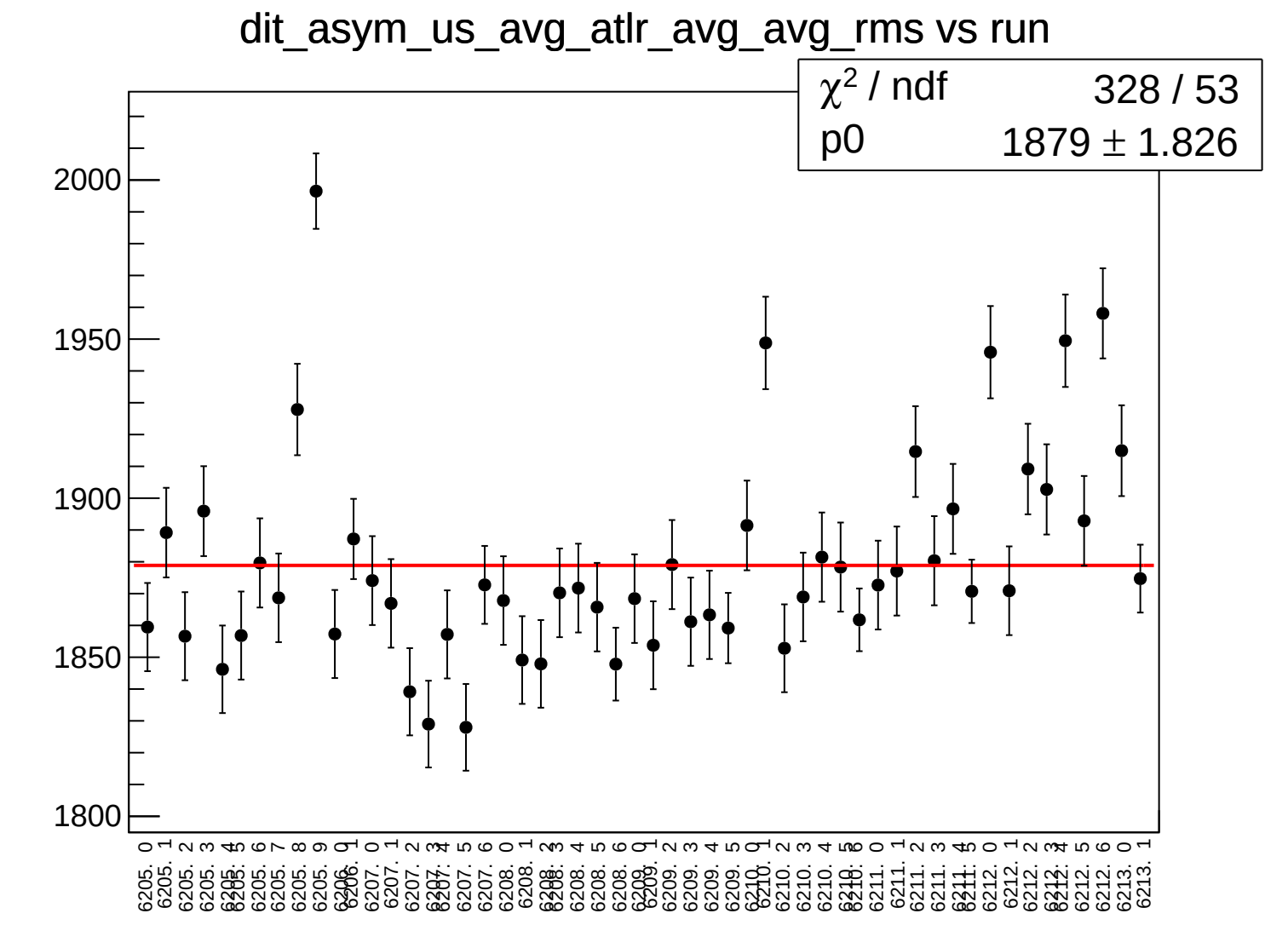

asym_us_avg_atlr_avg_avg_eigen_cor_correction_mean vs run
×10^3
χ^2 / ndf 42.37 / 53
p0 5451 ± 9384
200
100
0
−100
−200
pull
Entries 54
Mean −122.9
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

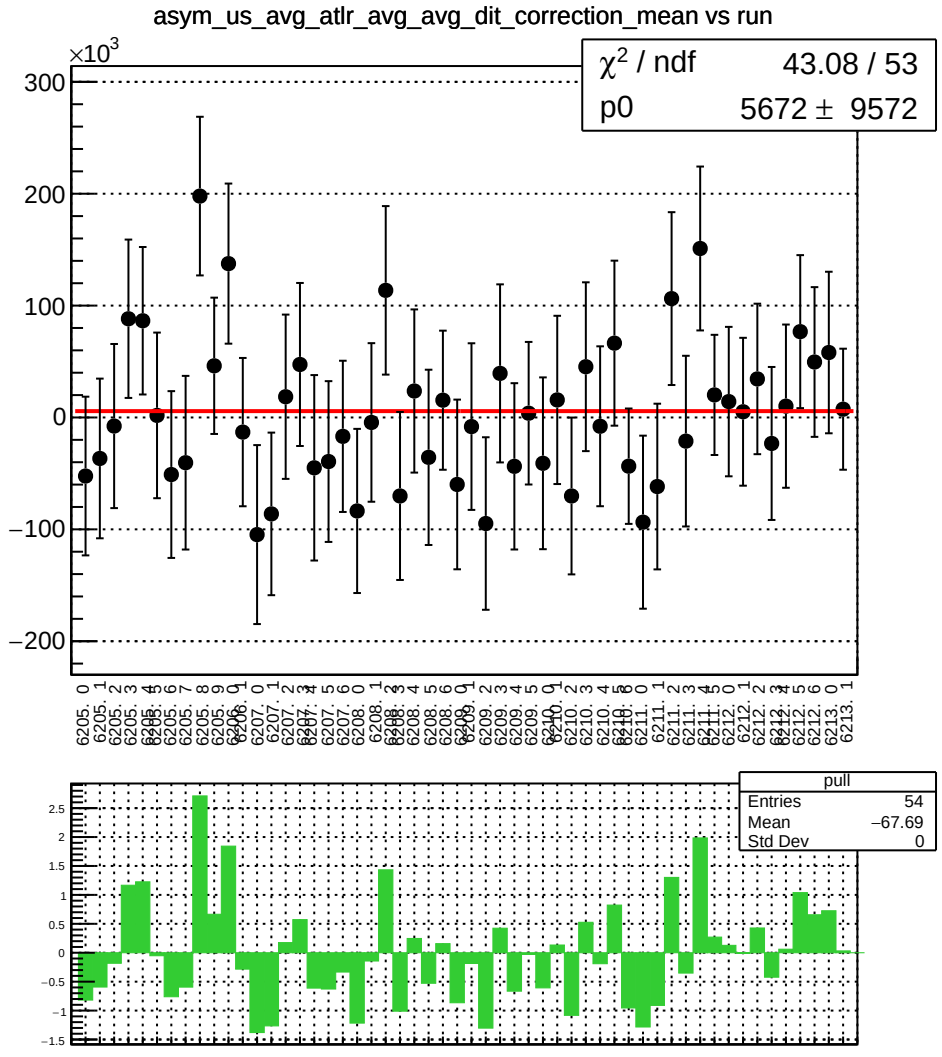

pull1D
Entries 54
Mean −0.005862
Std Dev 0.8858
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

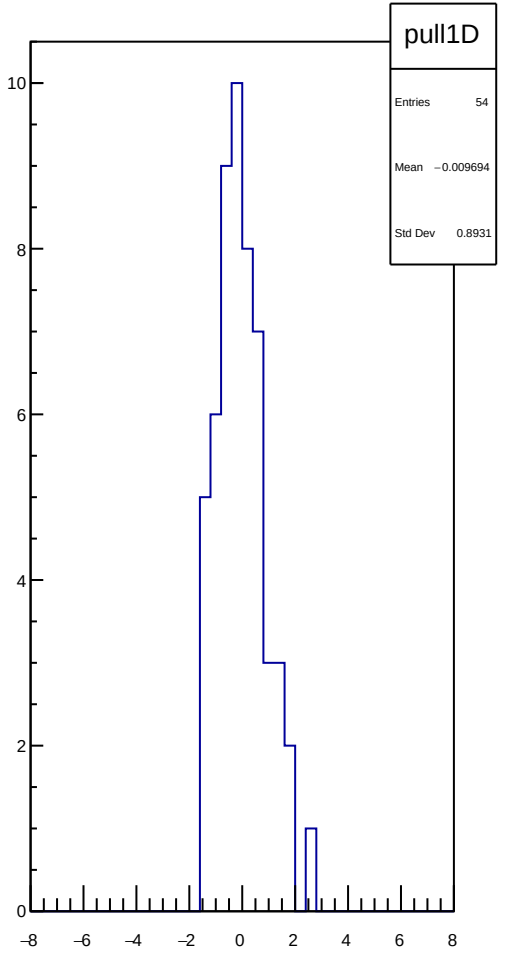

asym_us_avg_atlr_avg_avg_eigen_cor_correction_rms vs run
χ² / ndf 1717 / 53
p0 6824 ± 6.636
8000
7500
7000
6500
6000
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

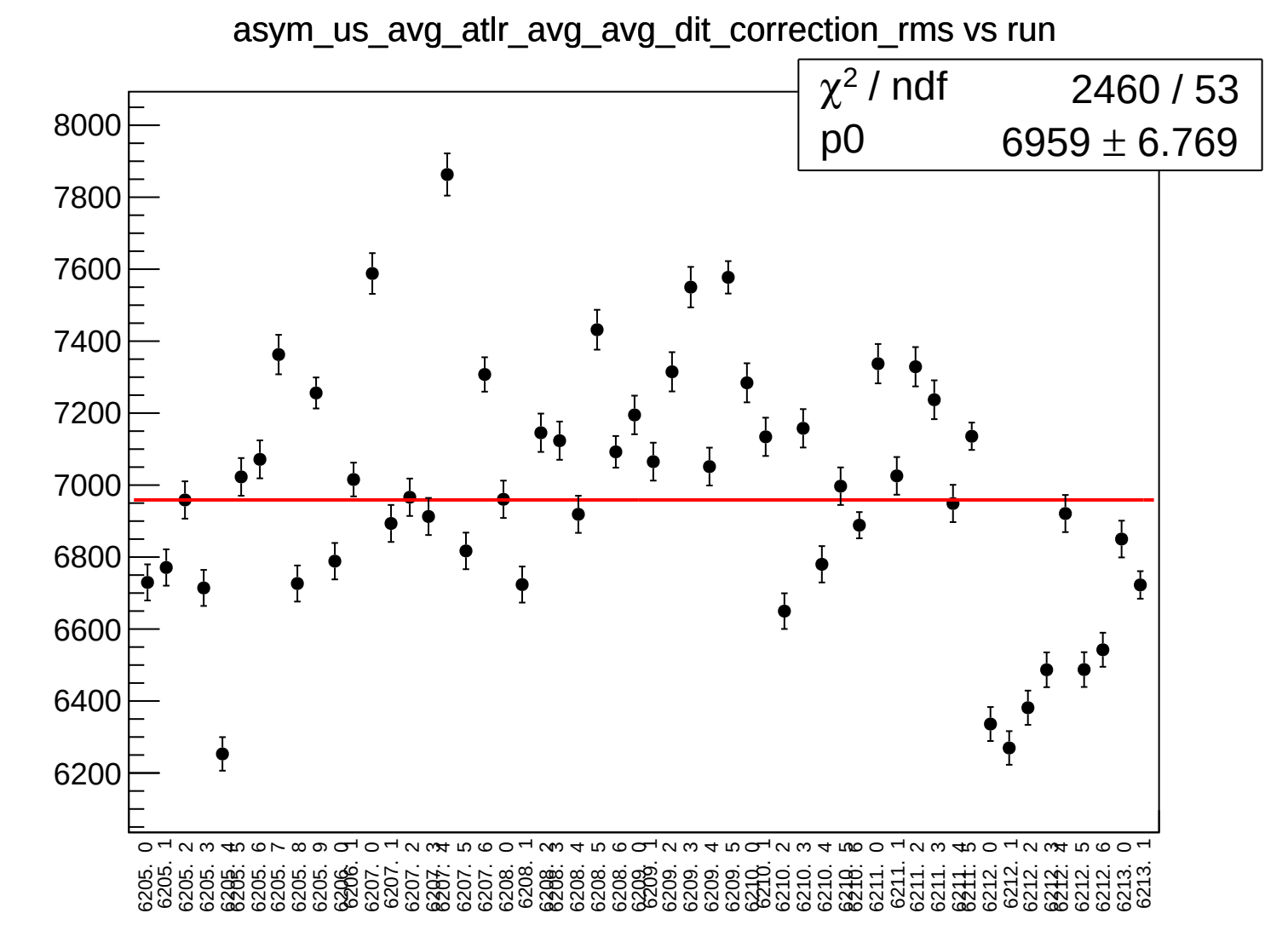

dit_asym_us_avg_atlr_avg_avg_mean vs run
χ² / ndf 54.41 / 53
p0 3582 ± 2582
60000
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 58.41
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

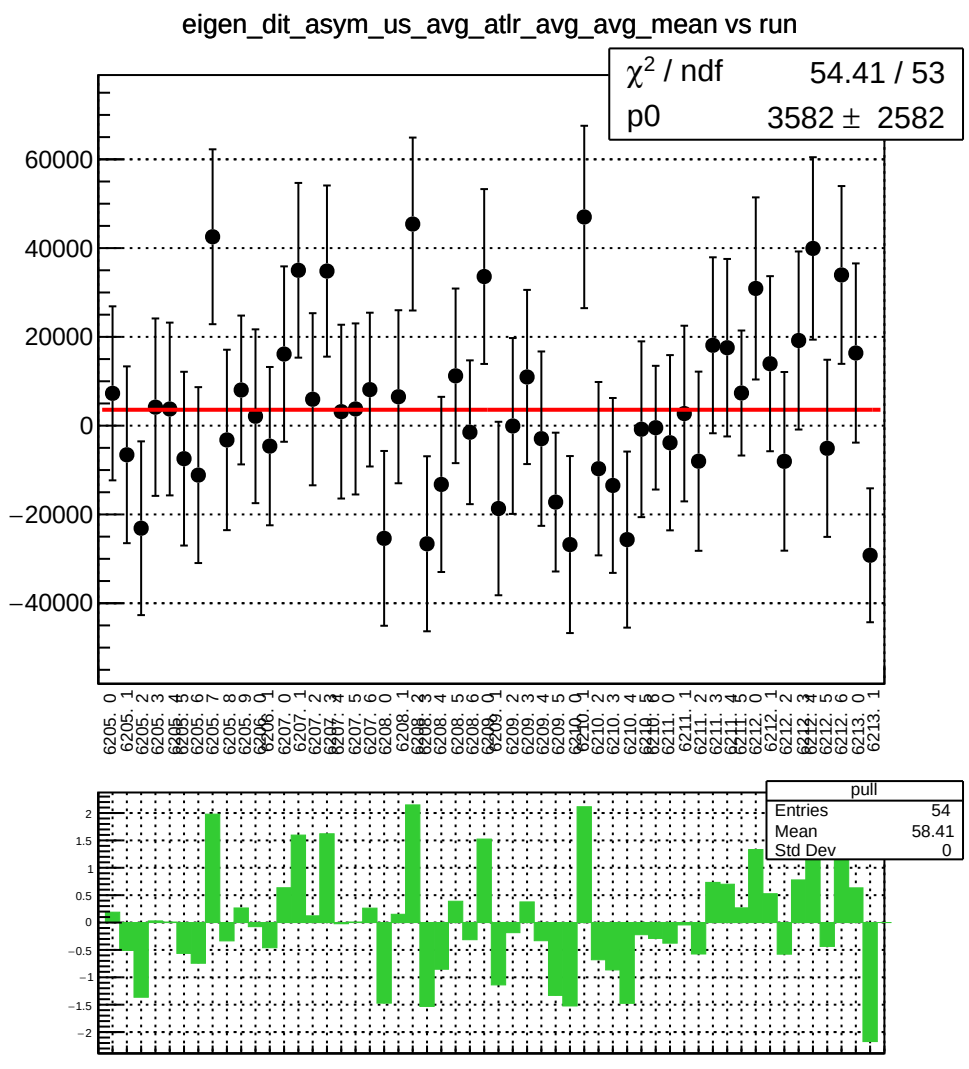

pull1D
Entries 54
Mean 0.02254
Std Dev 1.004
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

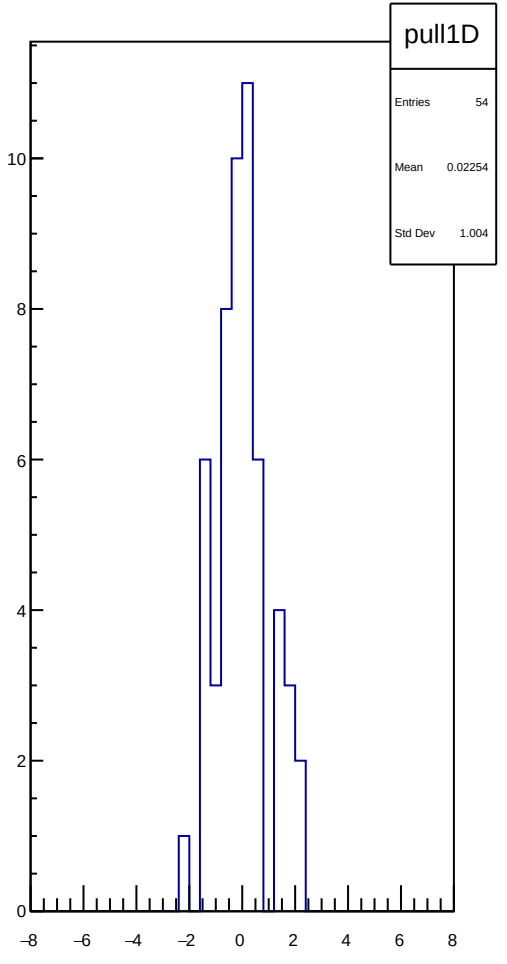

dit_asym_us_avg_atlr_avg_avg_rms vs run
χ² / ndf 328 / 53
p0 1879 ± 1.826
2000
1950
1900
1850
1800
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

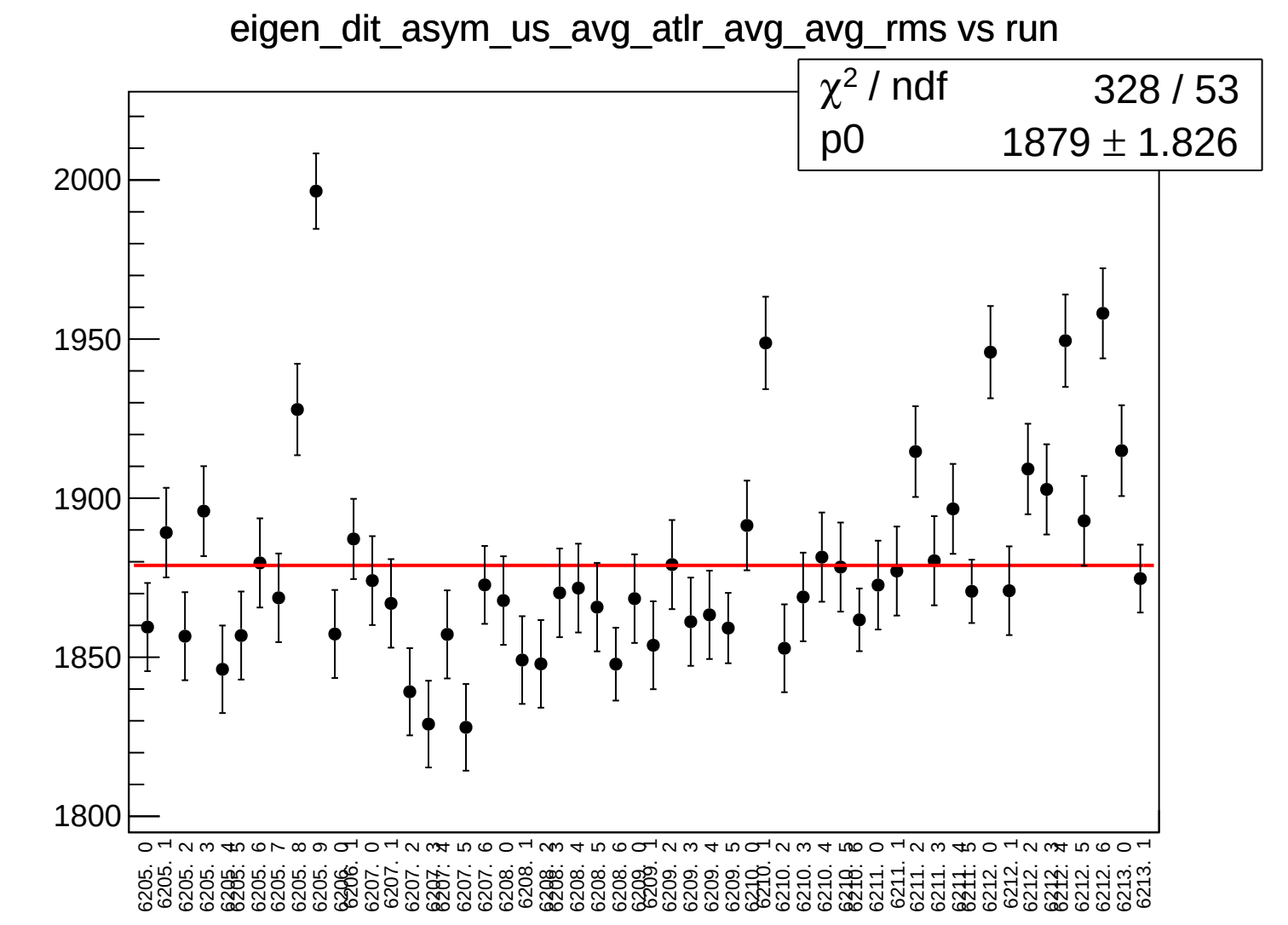

asym_us_avg_atlr_avg_avg_dit_correction_mean vs run
×10^3
χ² / ndf 43.08 / 53
p0 5672 ± 9572
pull
Entries 54
Mean −67.69
Std Dev 0

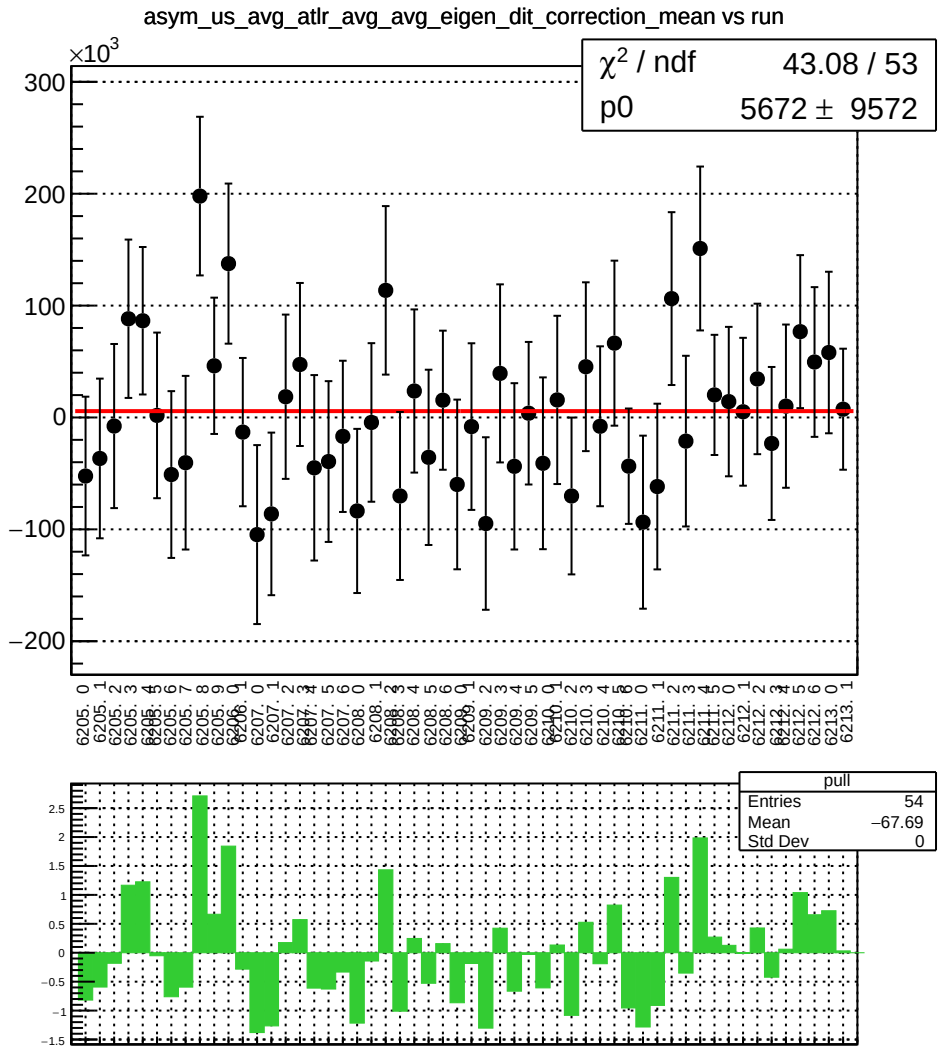

pull1D
Entries 54
Mean −0.009694
Std Dev 0.8931

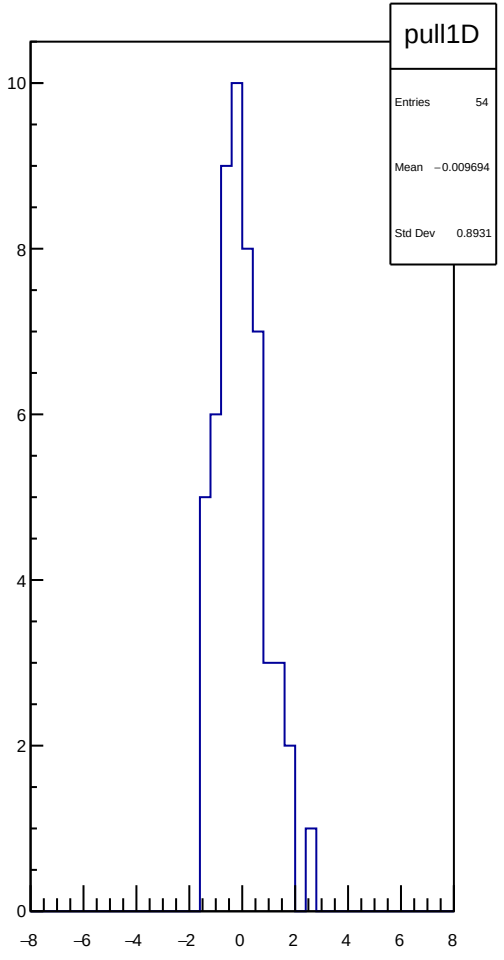

asym_us_avg_atlr_avg_avg_dit_correction_rms vs run
χ² / ndf 2460 / 53
p0 6959 ± 6.769
8000
7800
7600
7400
7200
7000
6800
6600
6400
6200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

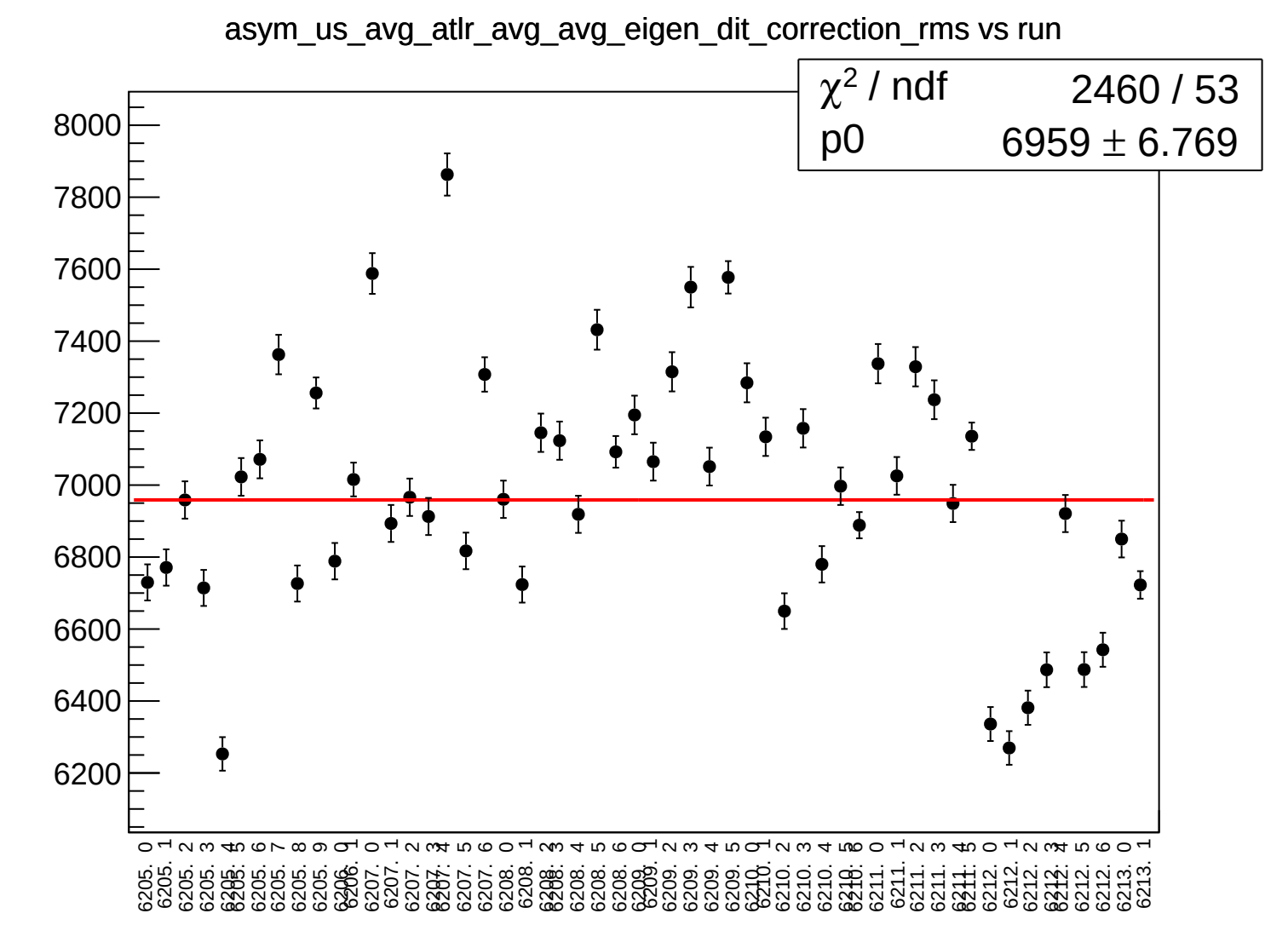

eigen_dit_asym_us_avg_atlr_avg_avg_mean vs run
χ² / ndf 54.41 / 53
p0 3582 ± 2582
60000
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 58.41
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

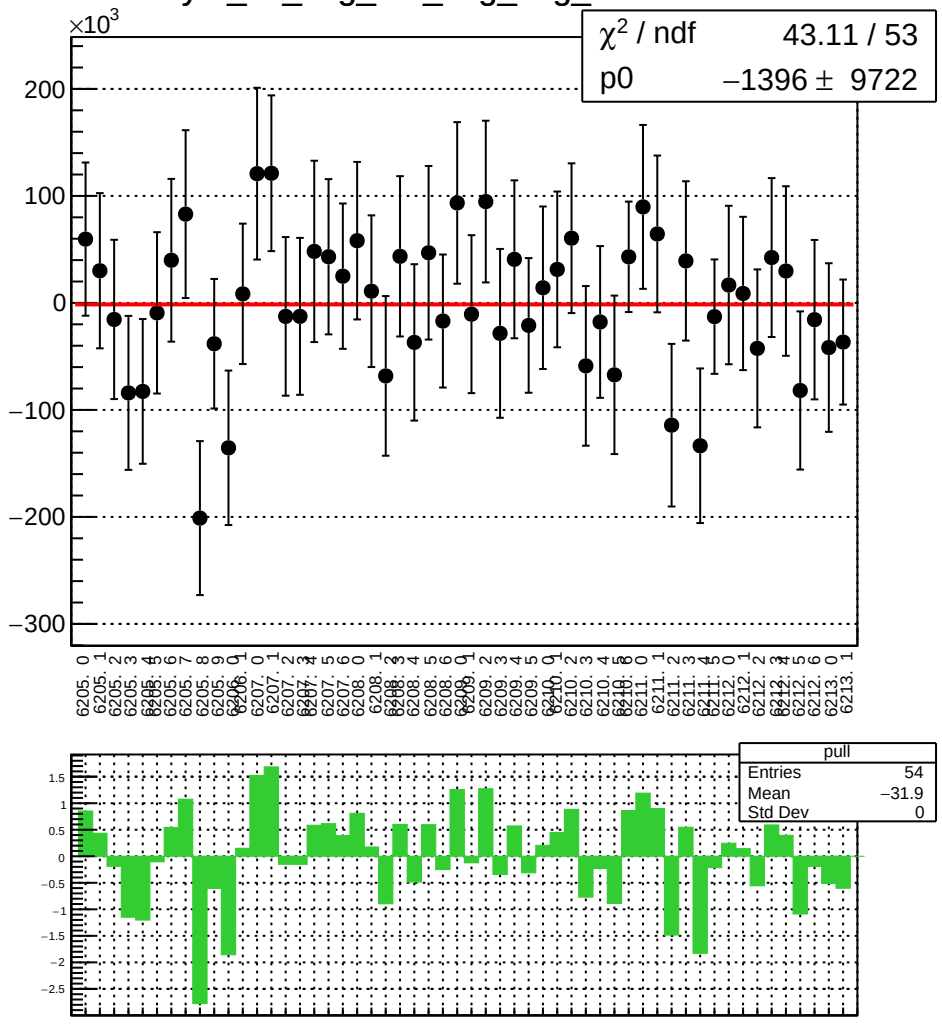

pull1D
Entries 54
Mean 0.02254
Std Dev 1.004
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

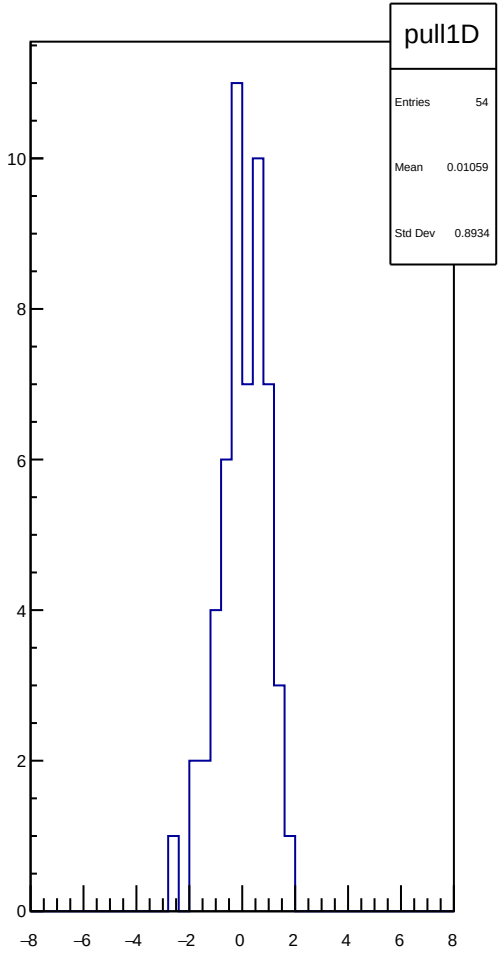

eigen_dit_asym_us_avg_atlr_avg_avg_rms vs run
χ² / ndf 328 / 53
p0 1879 ± 1.826
2000
1950
1900
1850
1800
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

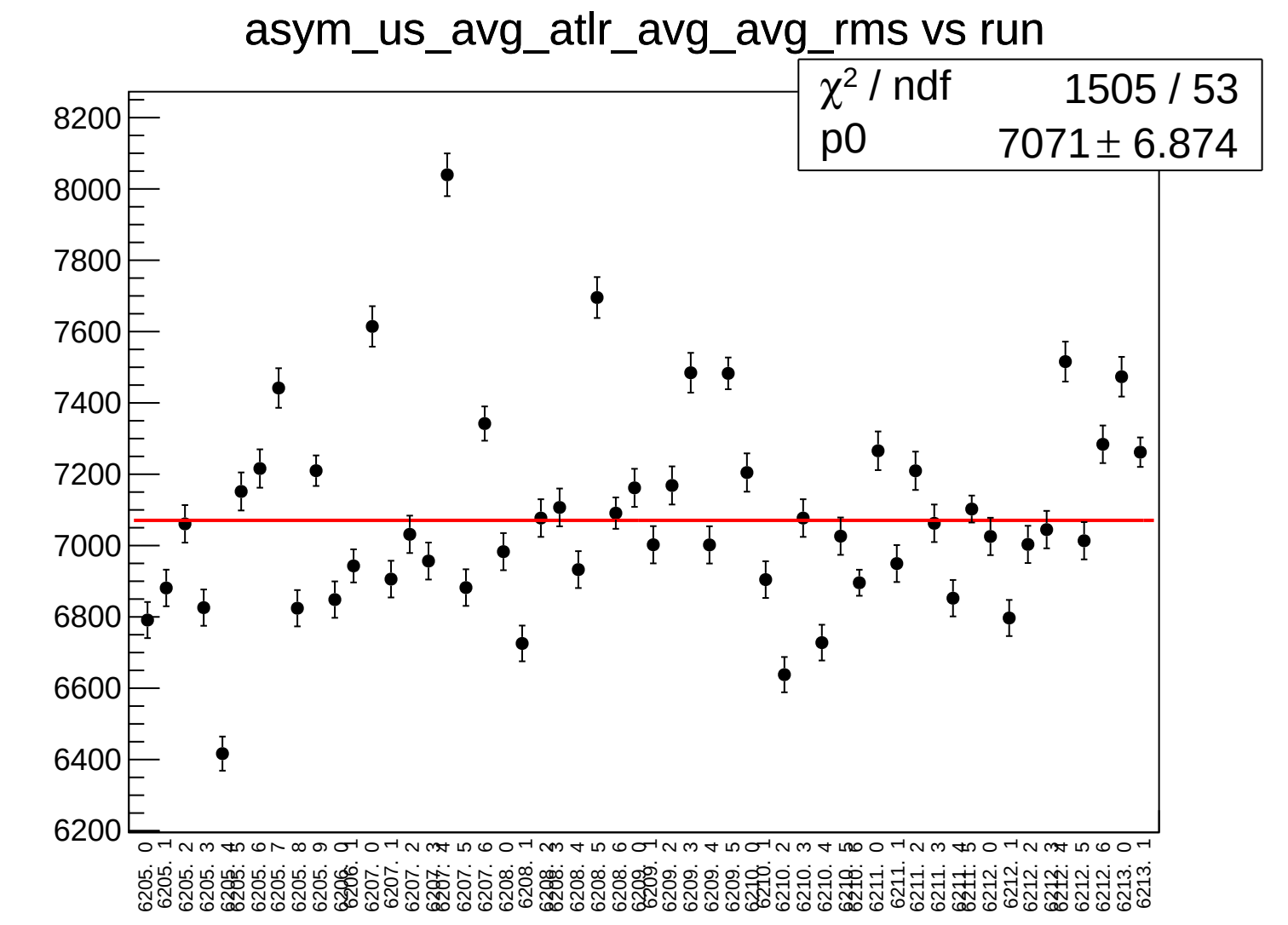

asym_us_avg_atlr_avg_avg_eigen_dit_correction_mean vs run
×10^3
χ^2 / ndf 43.08 / 53
p0 5672 ± 9572
pull
Entries 54
Mean −67.69
Std Dev 0

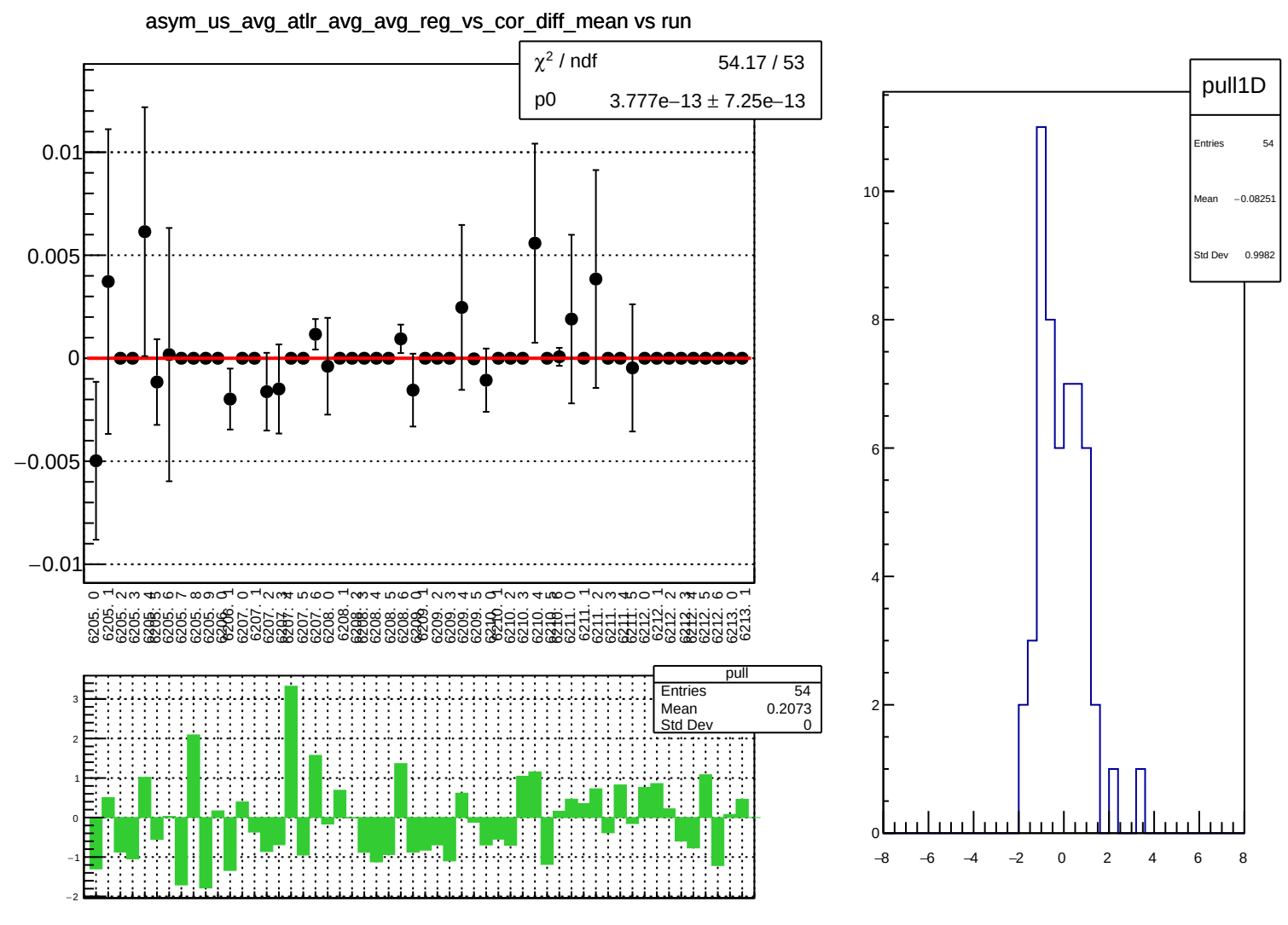

pull1D
Entries 54
Mean −0.009694
Std Dev 0.8931

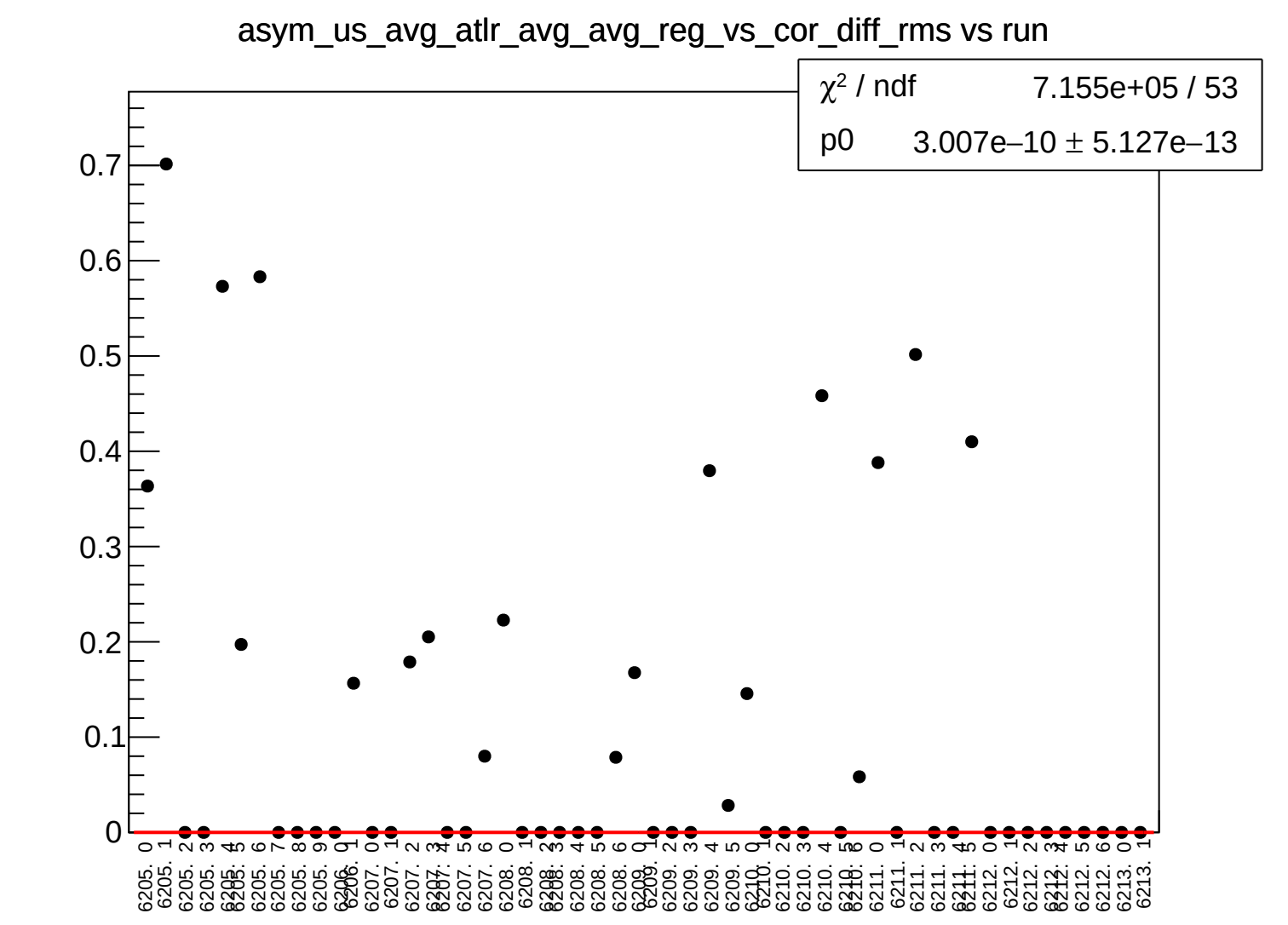

asym_us_avg_atlr_avg_avg_eigen_dit_correction_rms vs run
χ² / ndf 2460 / 53
p0 6959 ± 6.769
8000
7800
7600
7400
7200
7000
6800
6600
6400
6200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

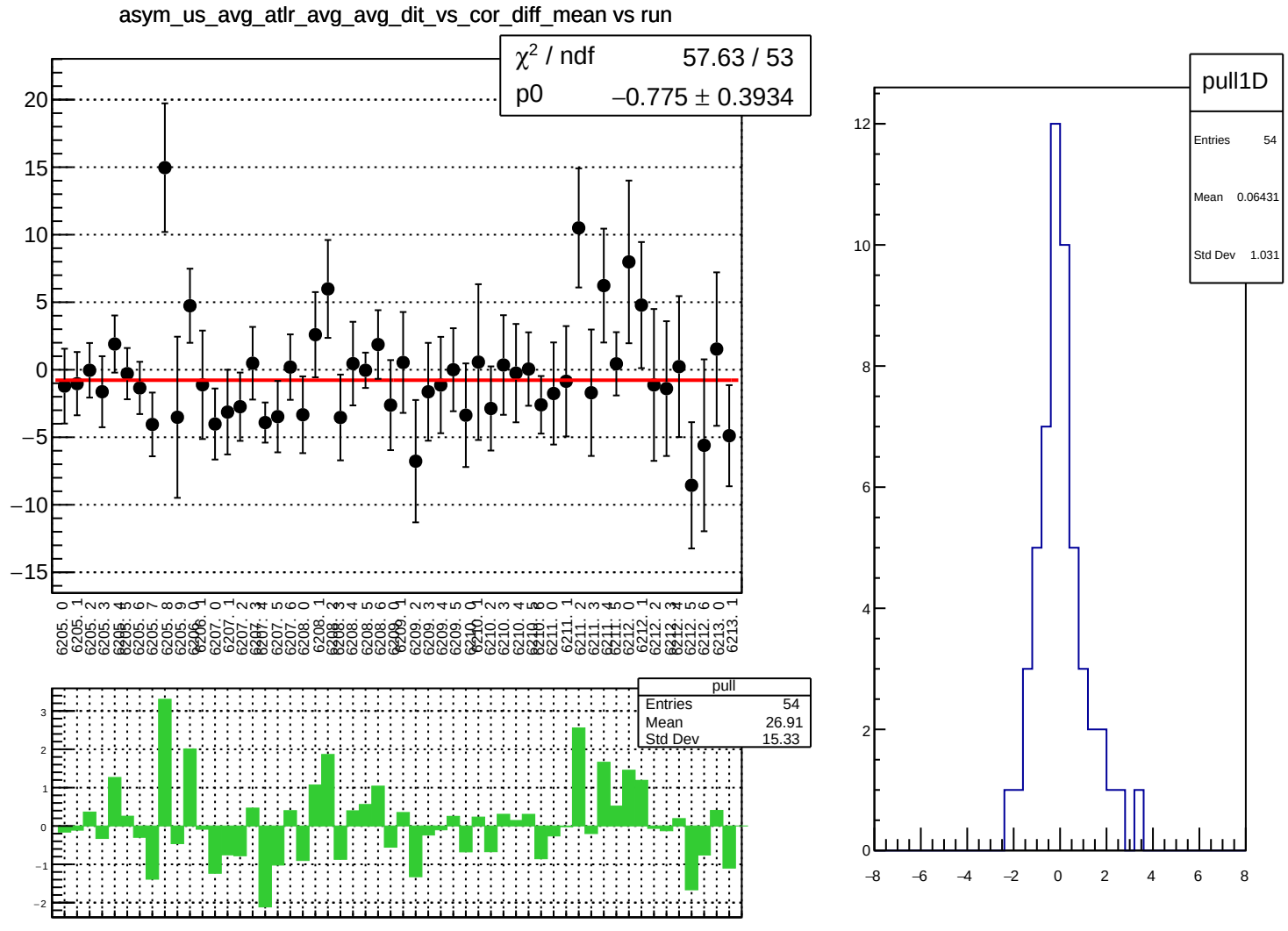

asym_us_avg_atlr_avg_avg_mean vs run
×10^3
χ² / ndf 43.11 / 53
p0 −1396 ± 9722
200
100
0
−100
−200
−300
pull
Entries 54
Mean −31.9
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

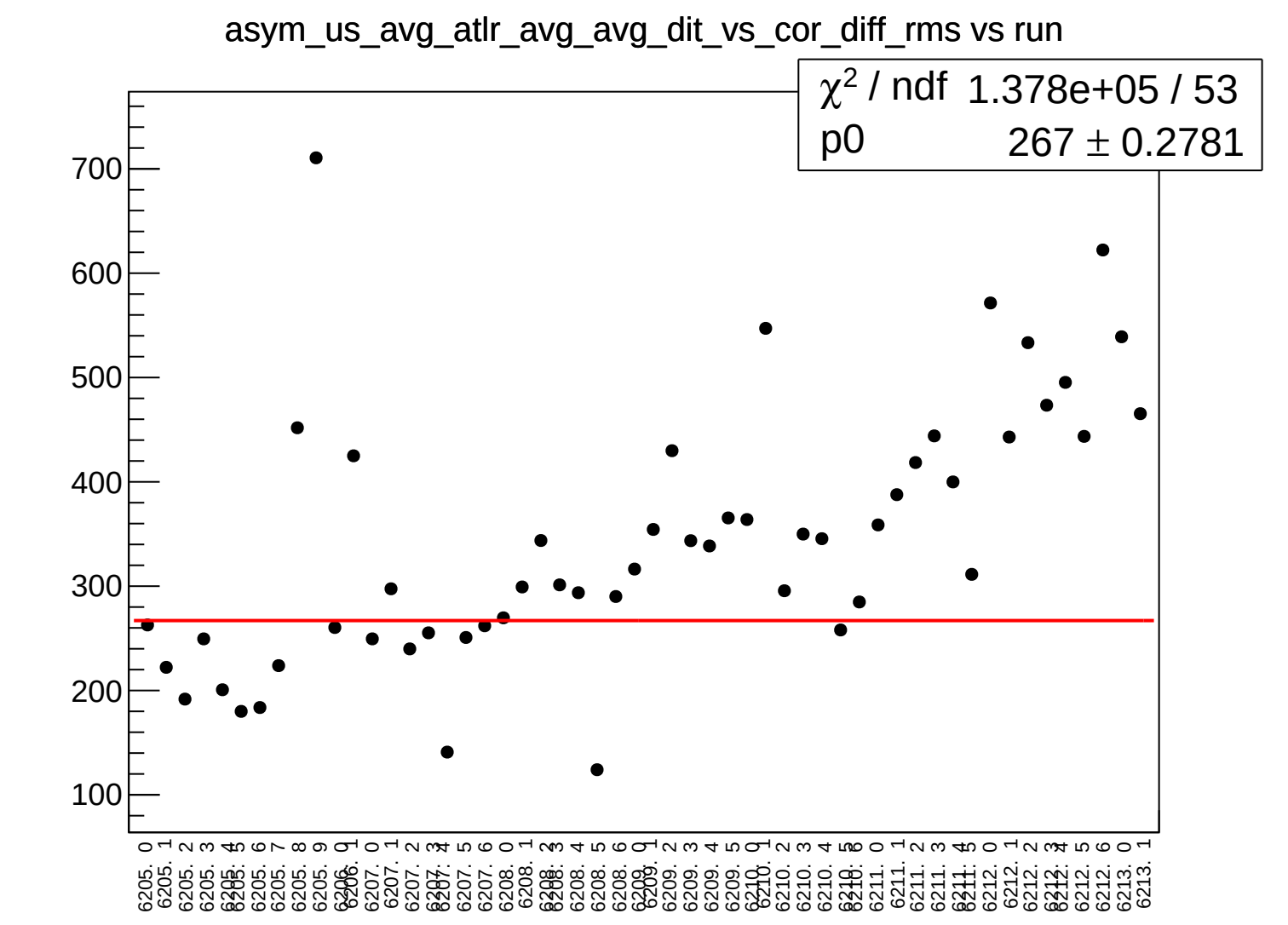

pull1D
Entries 54
Mean 0.01059
Std Dev 0.8934
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

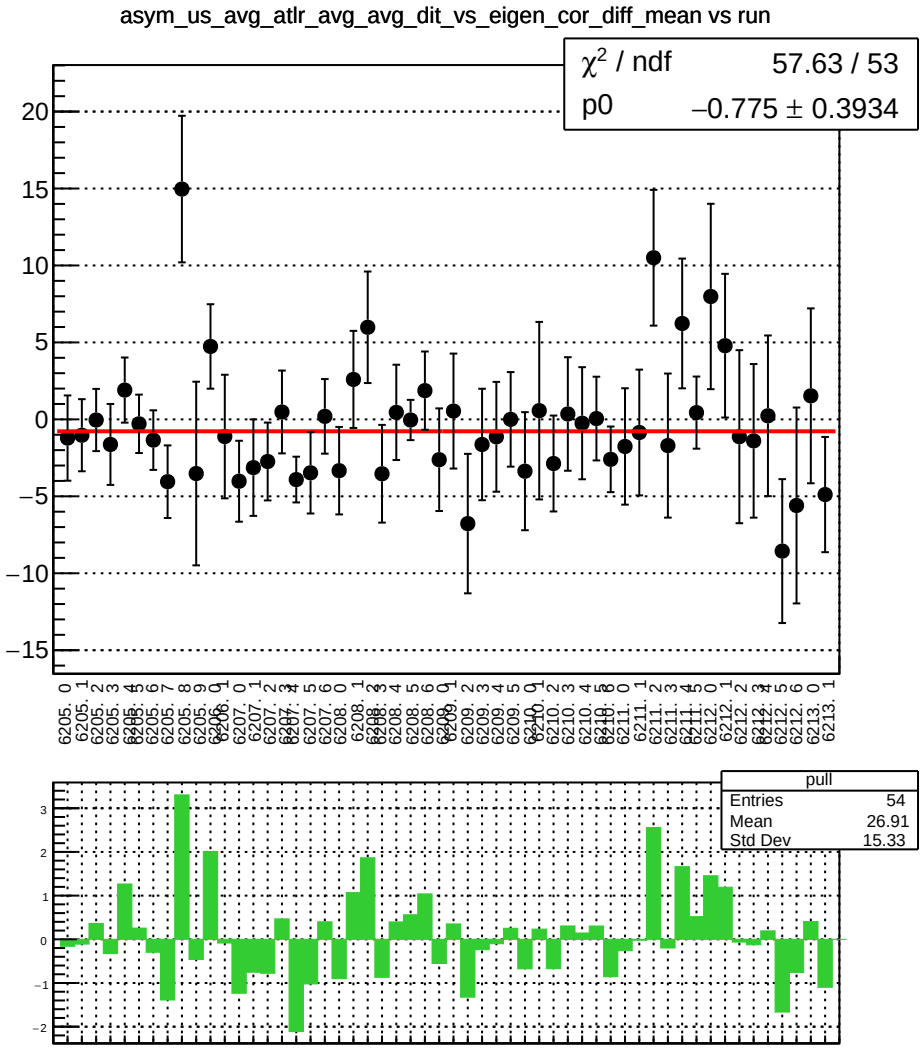

asym_us_avg_atlr_avg_avg_rms vs run
χ² / ndf 1505 / 53
p0 7071 ± 6.874
8200
8000
7800
7600
7400
7200
7000
6800
6600
6400
6200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

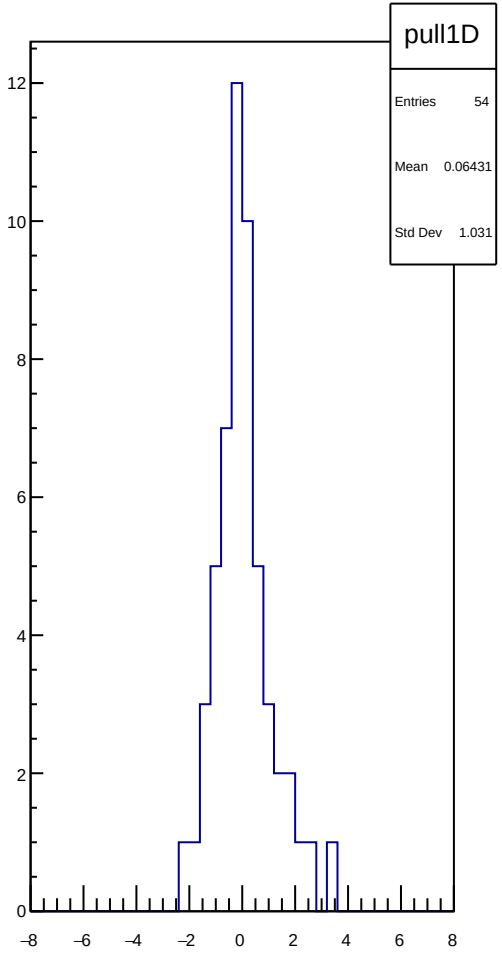

asym_us_avg_atlr_avg_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 54.17 / 53
p0 3.777e−13 ± 7.25e−13
0.01
0.005
0
−0.005
−0.01
pull
Entries 54
Mean 0.2073
Std Dev 0
pull1D
Entries 54
Mean −0.08251
Std Dev 0.9982

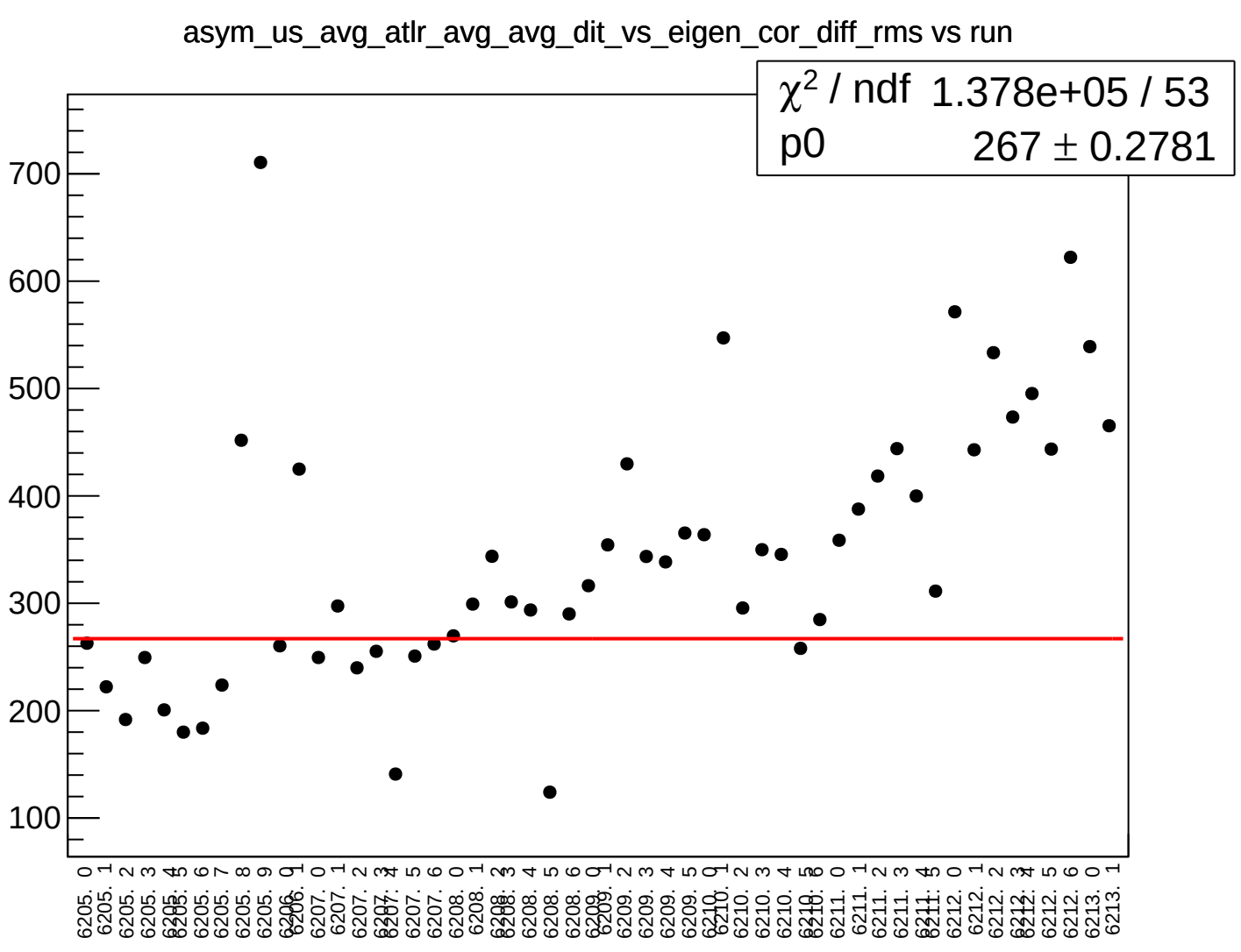

asym_us_avg_atlr_avg_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 7.155e+05 / 53
p0 3.007e−10 ± 5.127e−13
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

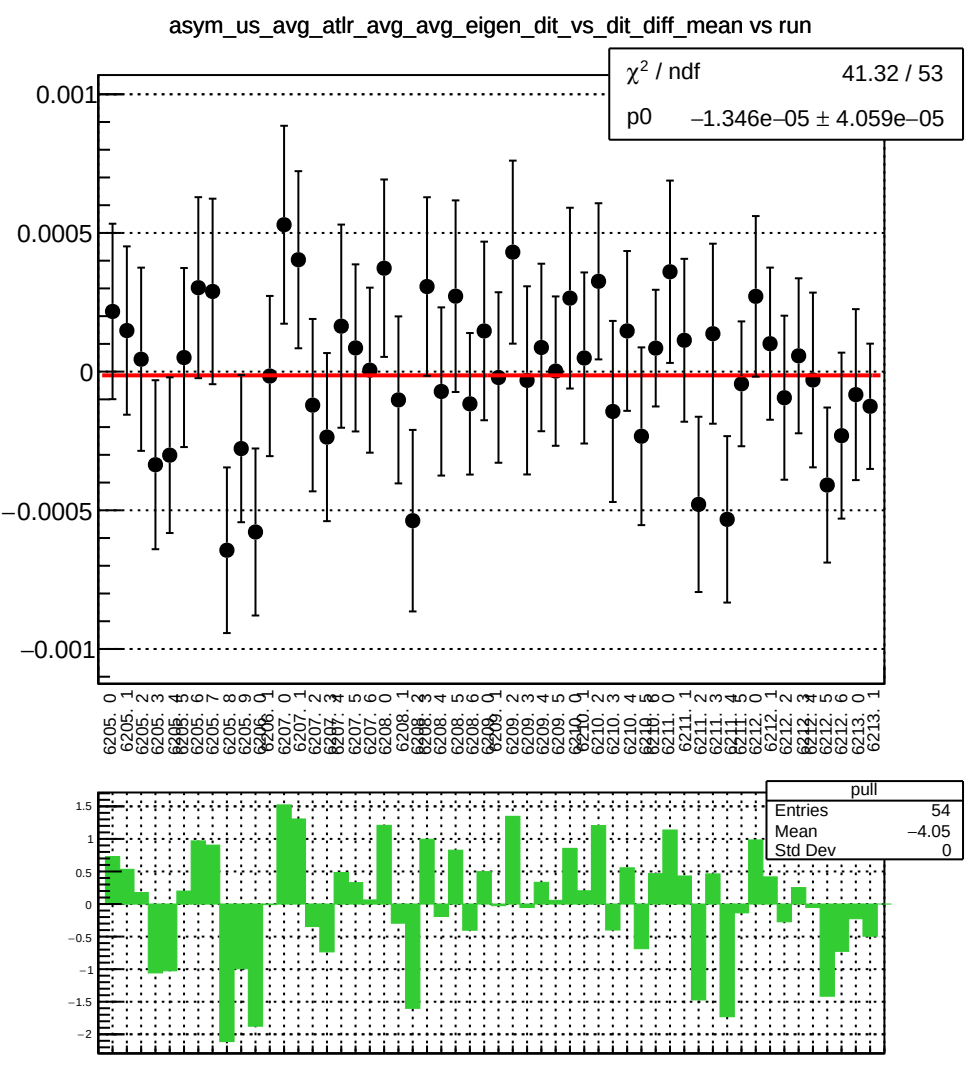

asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 57.63 / 53
p0 −0.775 ± 0.3934
pull
Entries 54
Mean 26.91
Std Dev 15.33
pull1D
Entries 54
Mean 0.06431
Std Dev 1.031

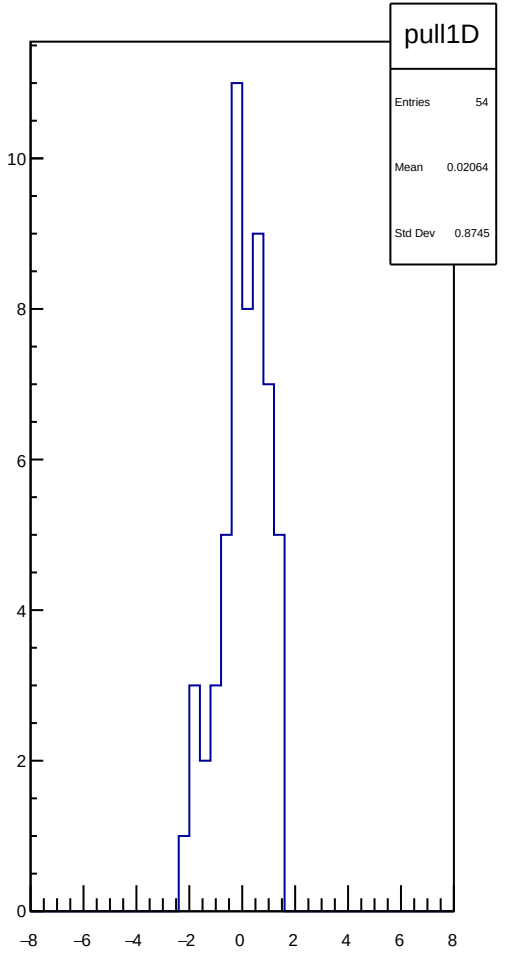

asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.378e+05 / 53
p0 267 ± 0.2781
700
600
500
400
300
200
100
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

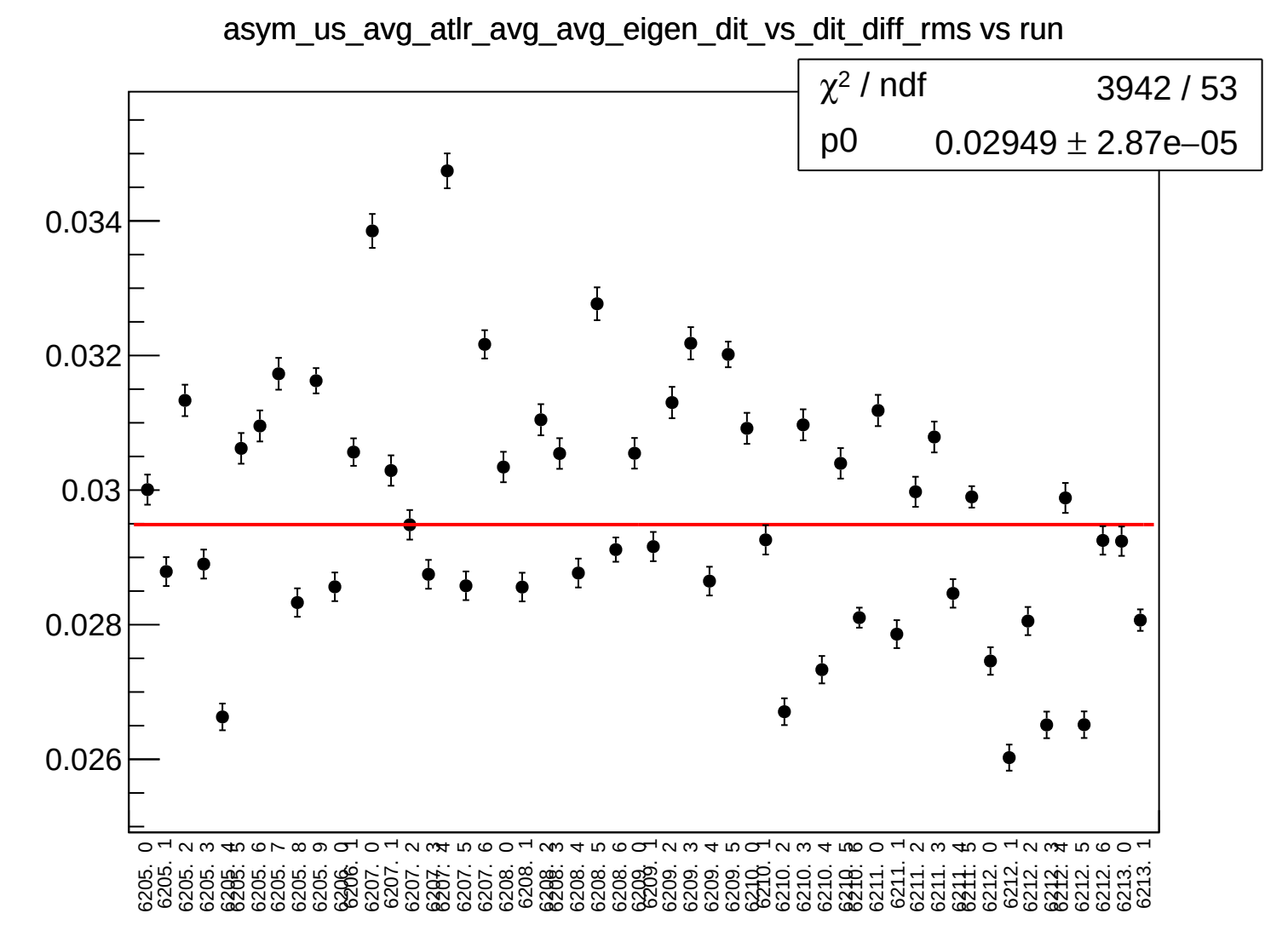

asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 57.63 / 53
p0 −0.775 ± 0.3934
pull
Entries 54
Mean 26.91
Std Dev 15.33

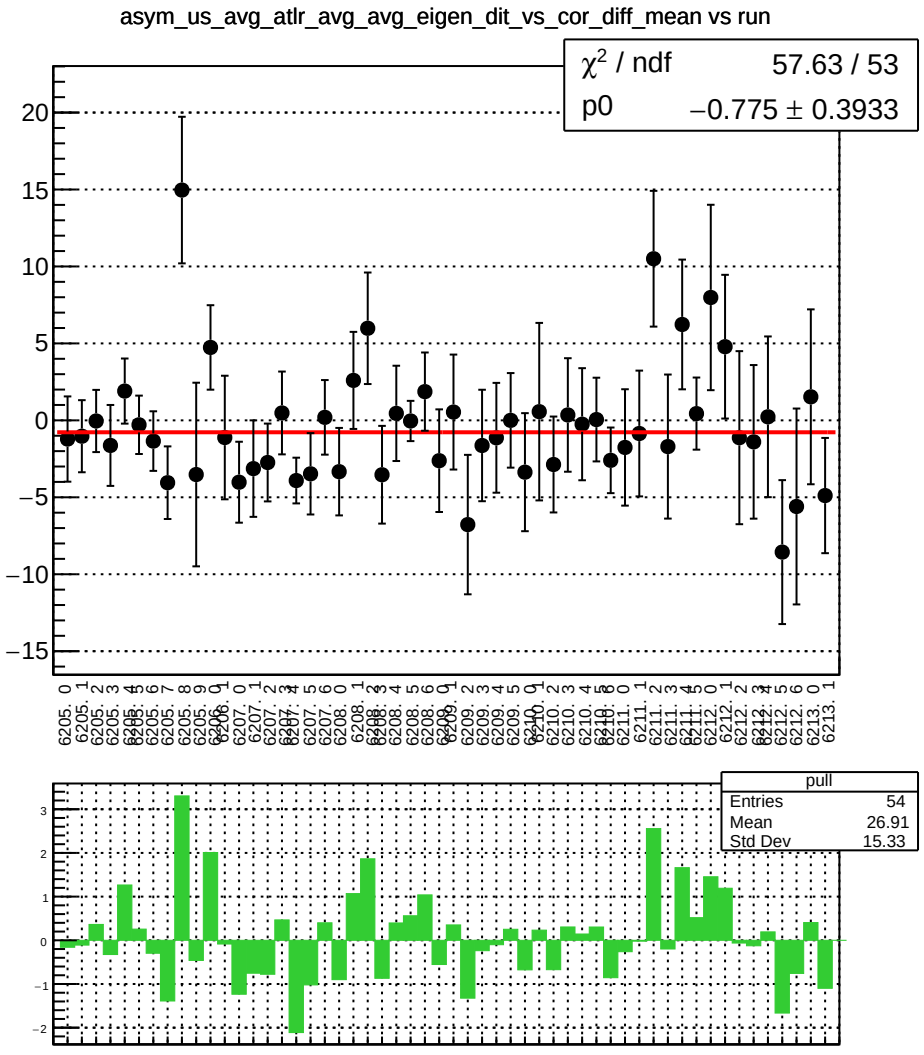

pull1D
Entries 54
Mean 0.06431
Std Dev 1.031

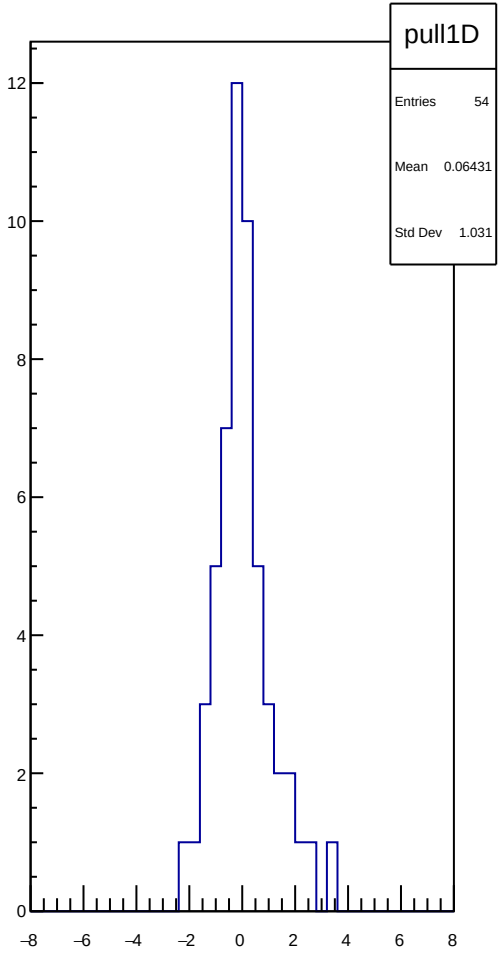

asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.378e+05 / 53
p0 267 ± 0.2781
700
600
500
400
300
200
100
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

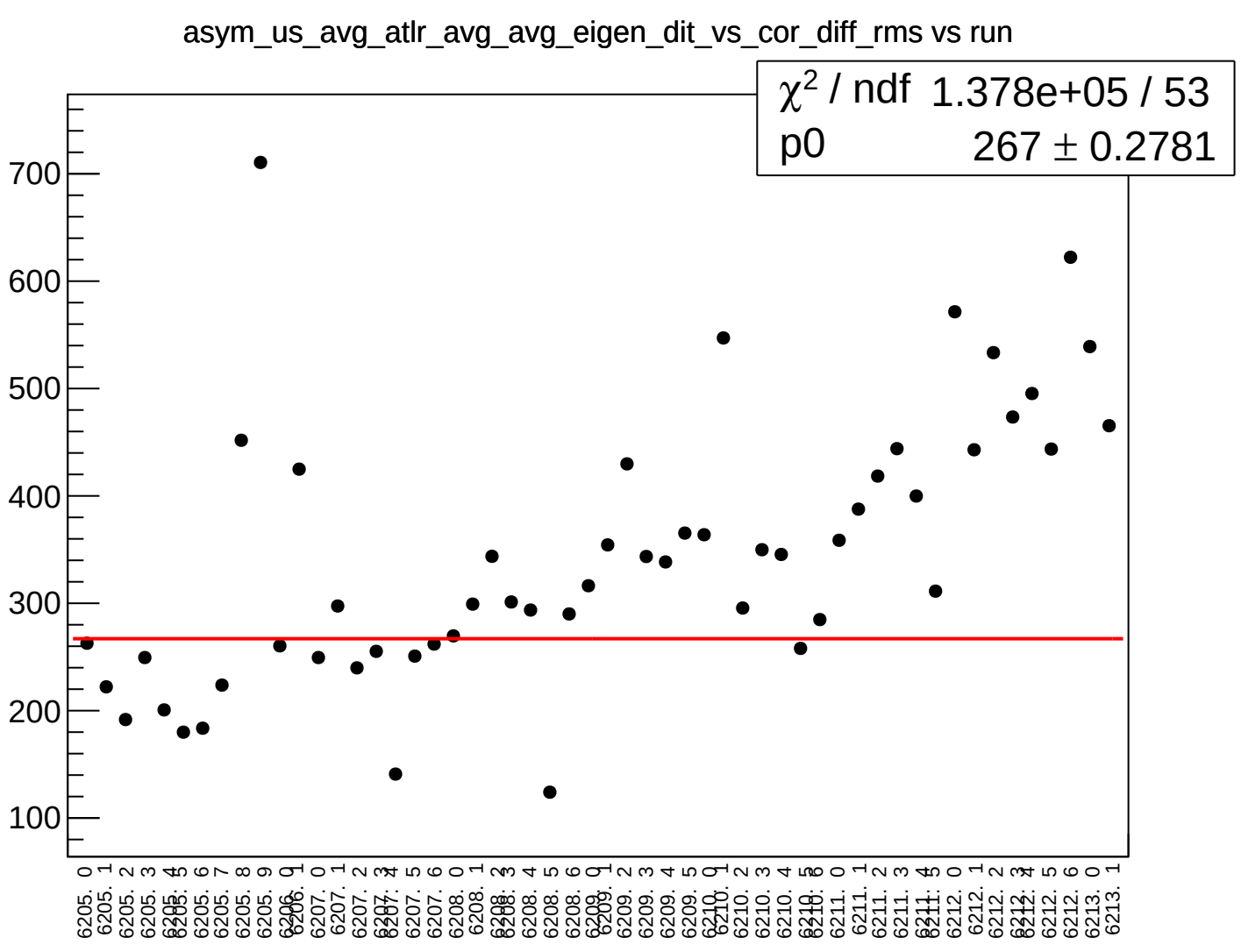

asym_us_avg_atlr_avg_avg_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 41.32 / 53
p0 −1.346e−05 ± 4.059e−05
0.001
0.0005
0
−0.0005
−0.001
pull
Entries 54
Mean −4.05
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

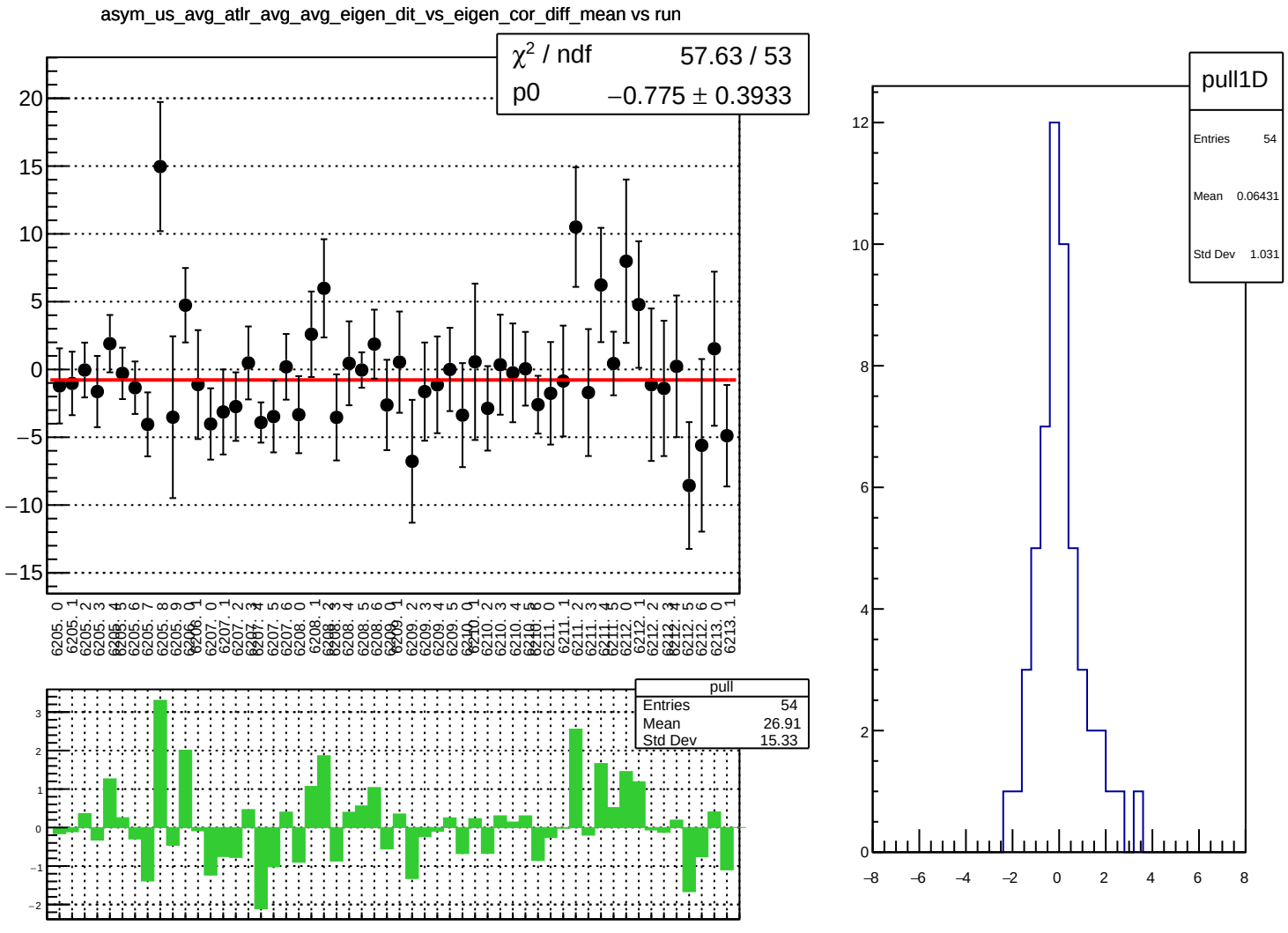

pull1D
Entries 54
Mean 0.02064
Std Dev 0.8745
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

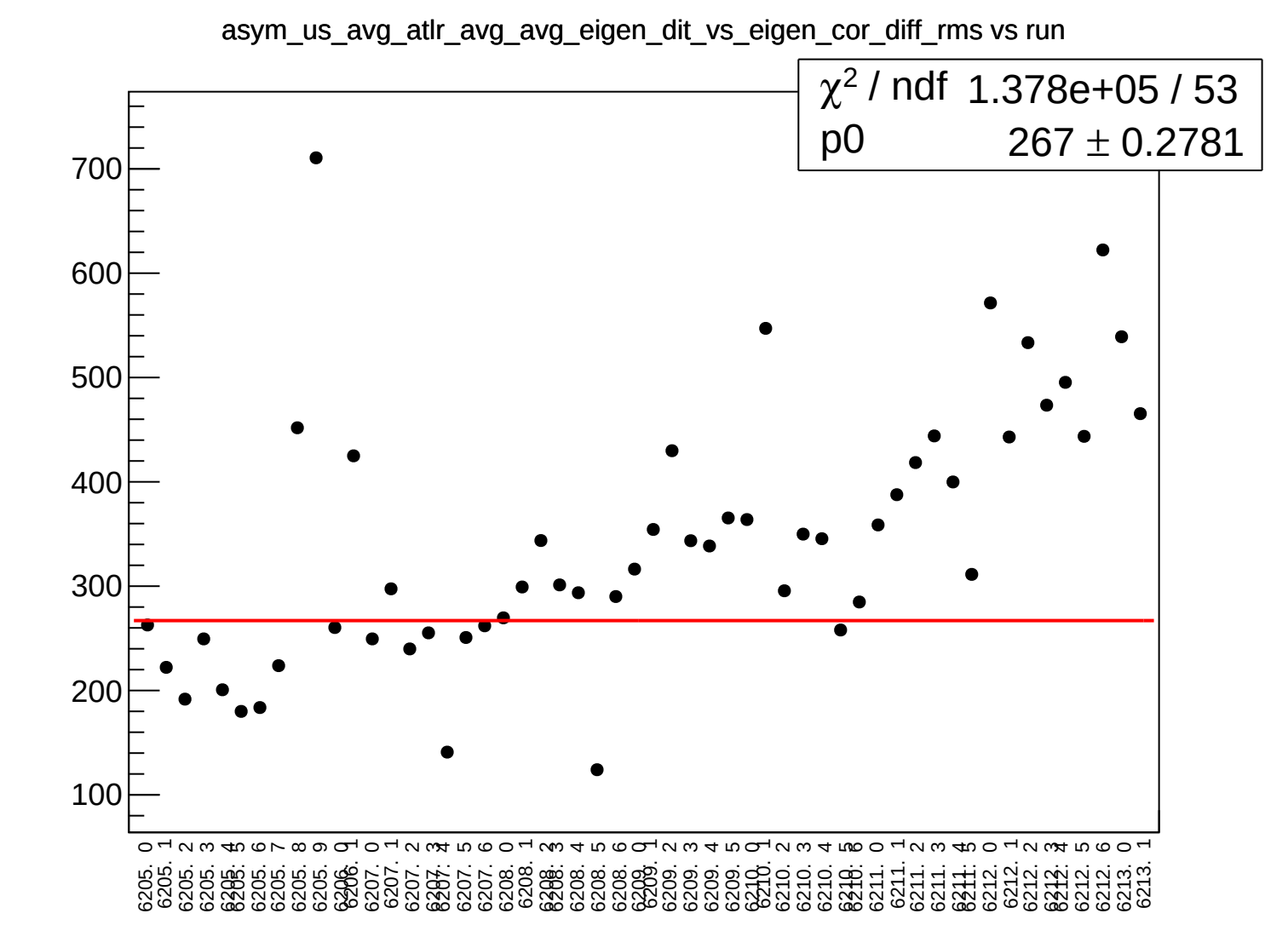

asym_us_avg_atlr_avg_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3942 / 53
p0 0.02949 ± 2.87e−05
0.034
0.032
0.03
0.028
0.026
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

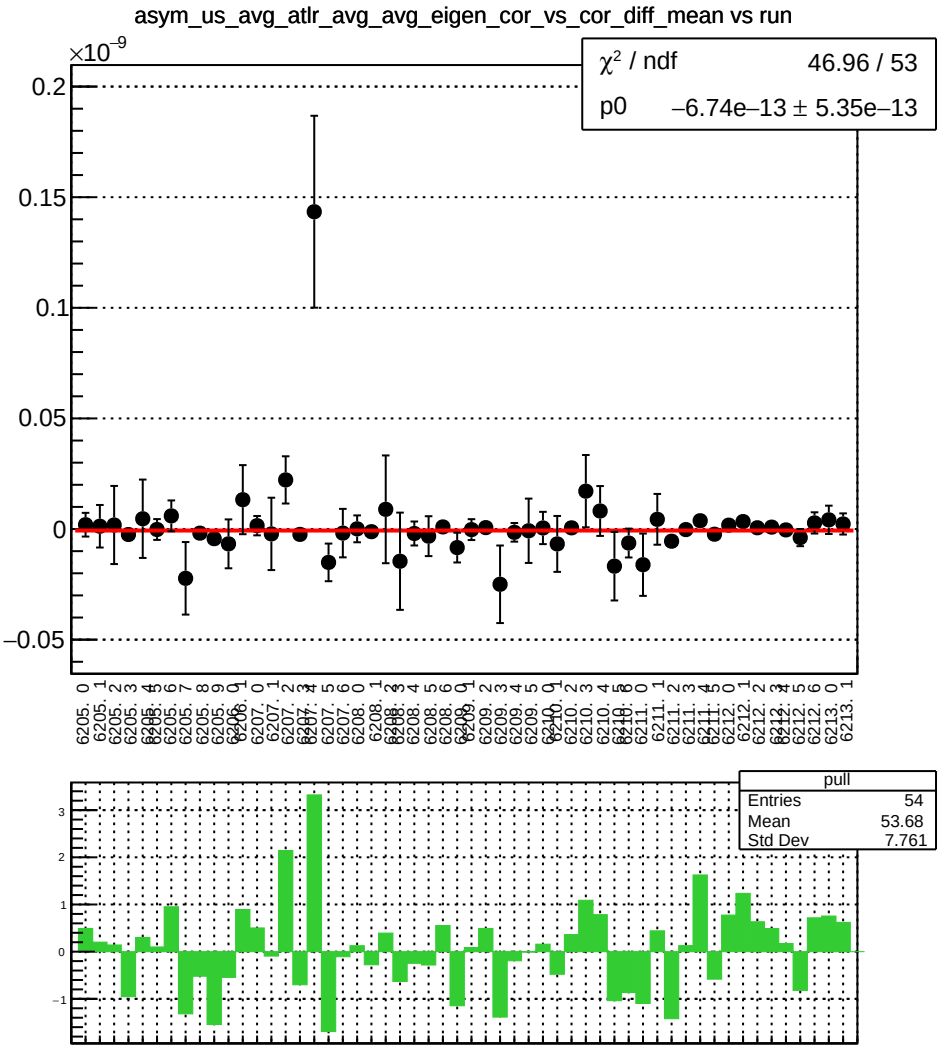

asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 57.63 / 53
p0 −0.775 ± 0.3933
pull
Entries 54
Mean 26.91
Std Dev 15.33

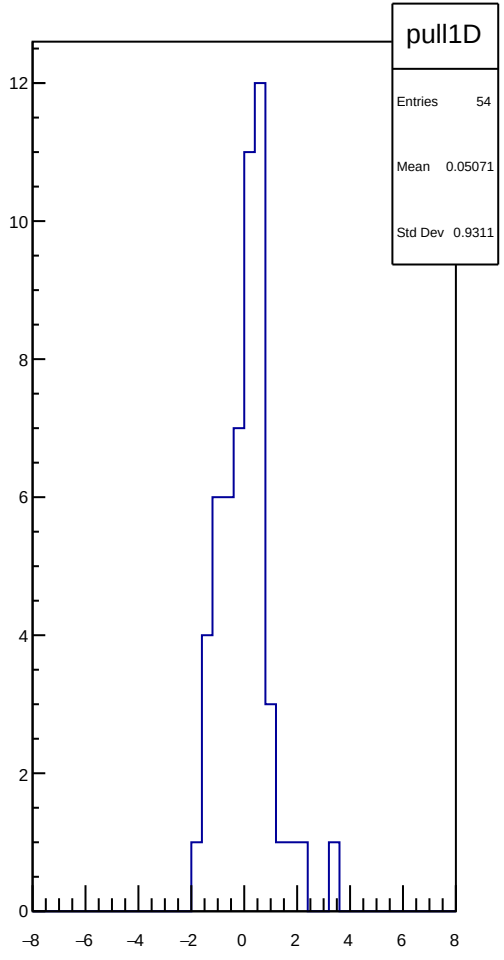

pull1D
Entries 54
Mean 0.06431
Std Dev 1.031

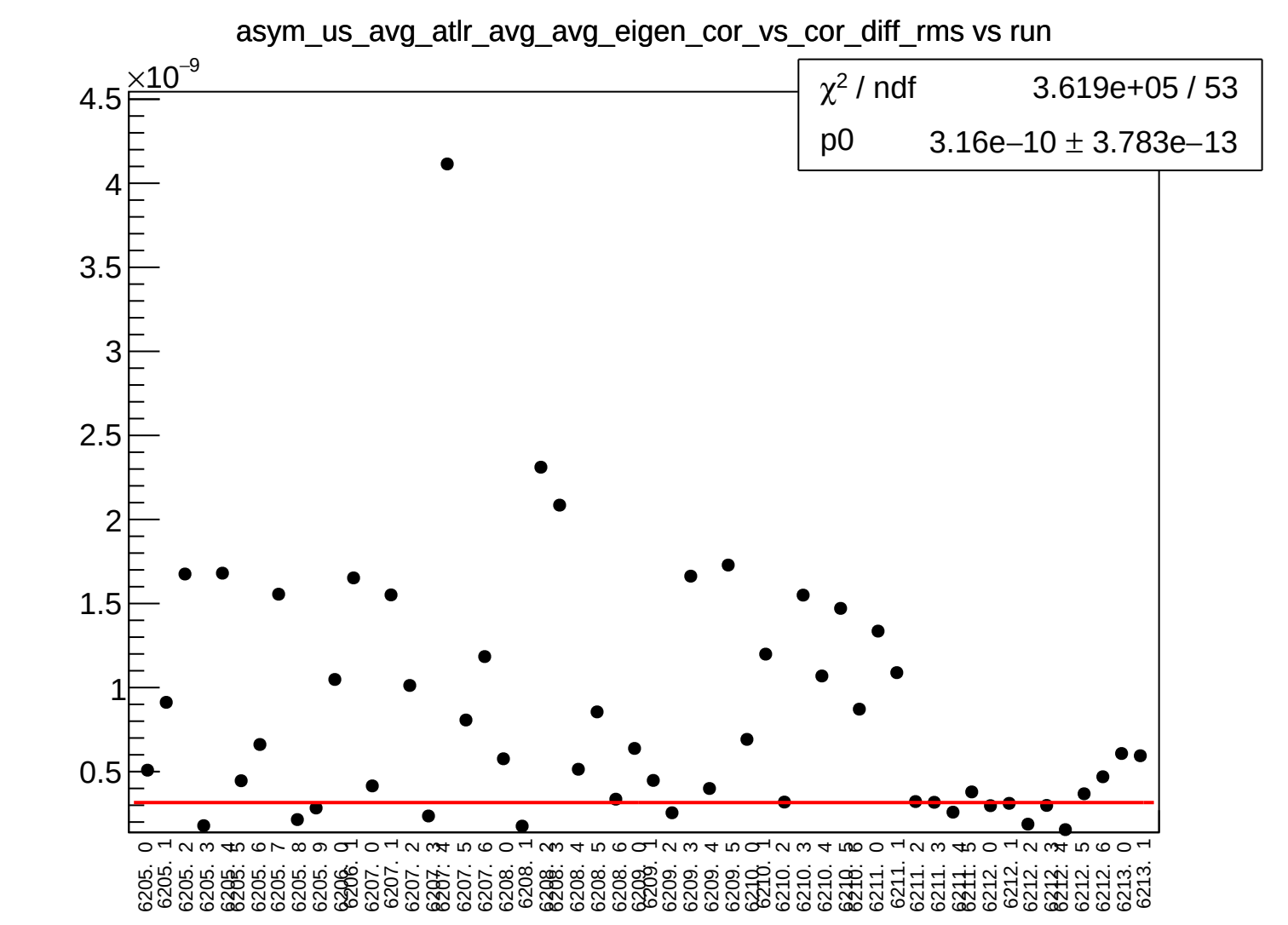

asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.378e+05 / 53
p0 267 ± 0.2781
700
600
500
400
300
200
100

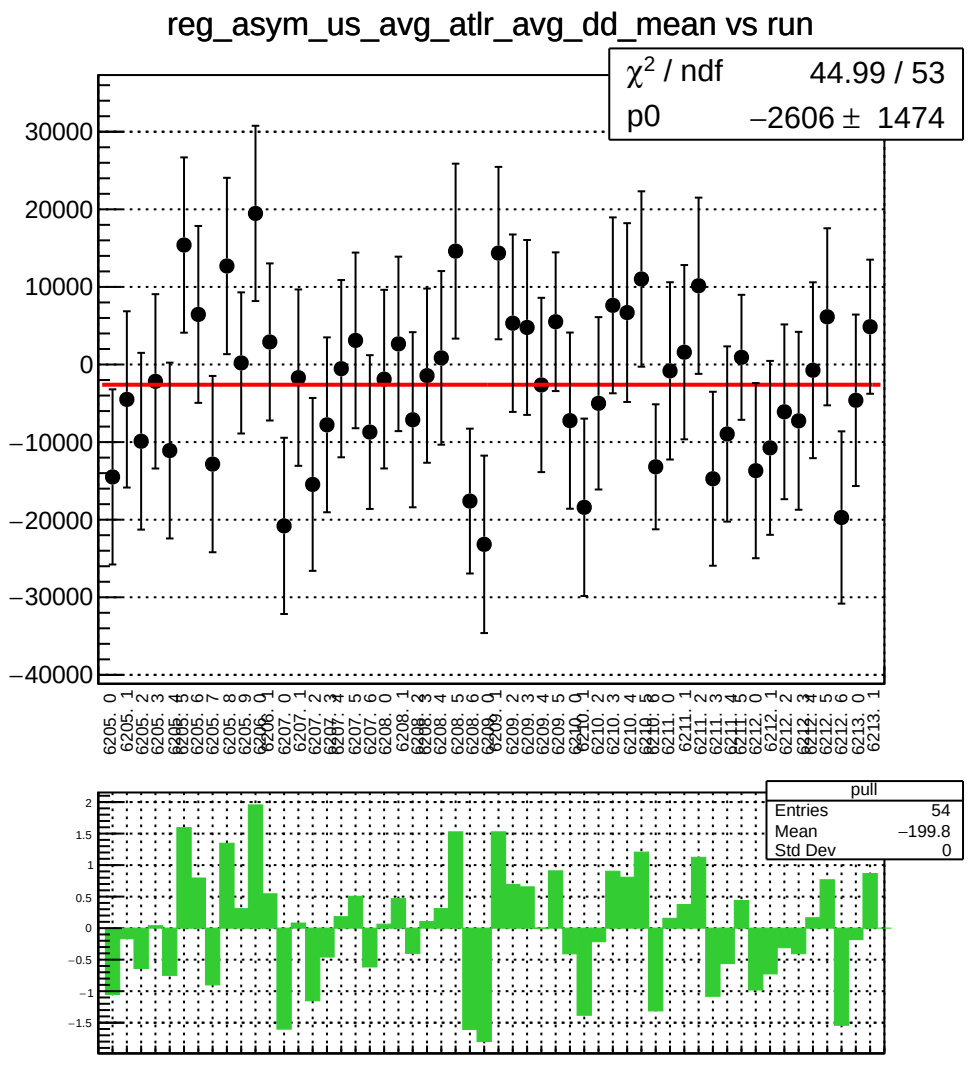

asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 57.63 / 53
p0 −0.775 ± 0.3933
pull
Entries 54
Mean 26.91
Std Dev 15.33
pull1D
Entries 54
Mean 0.06431
Std Dev 1.031

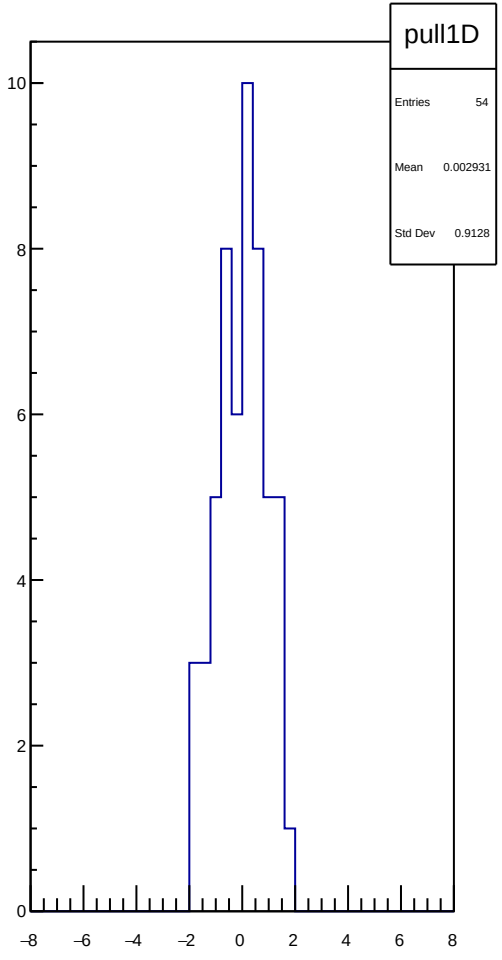

asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.378e+05 / 53
p0 267 ± 0.2781
700
600
500
400
300
200
100
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

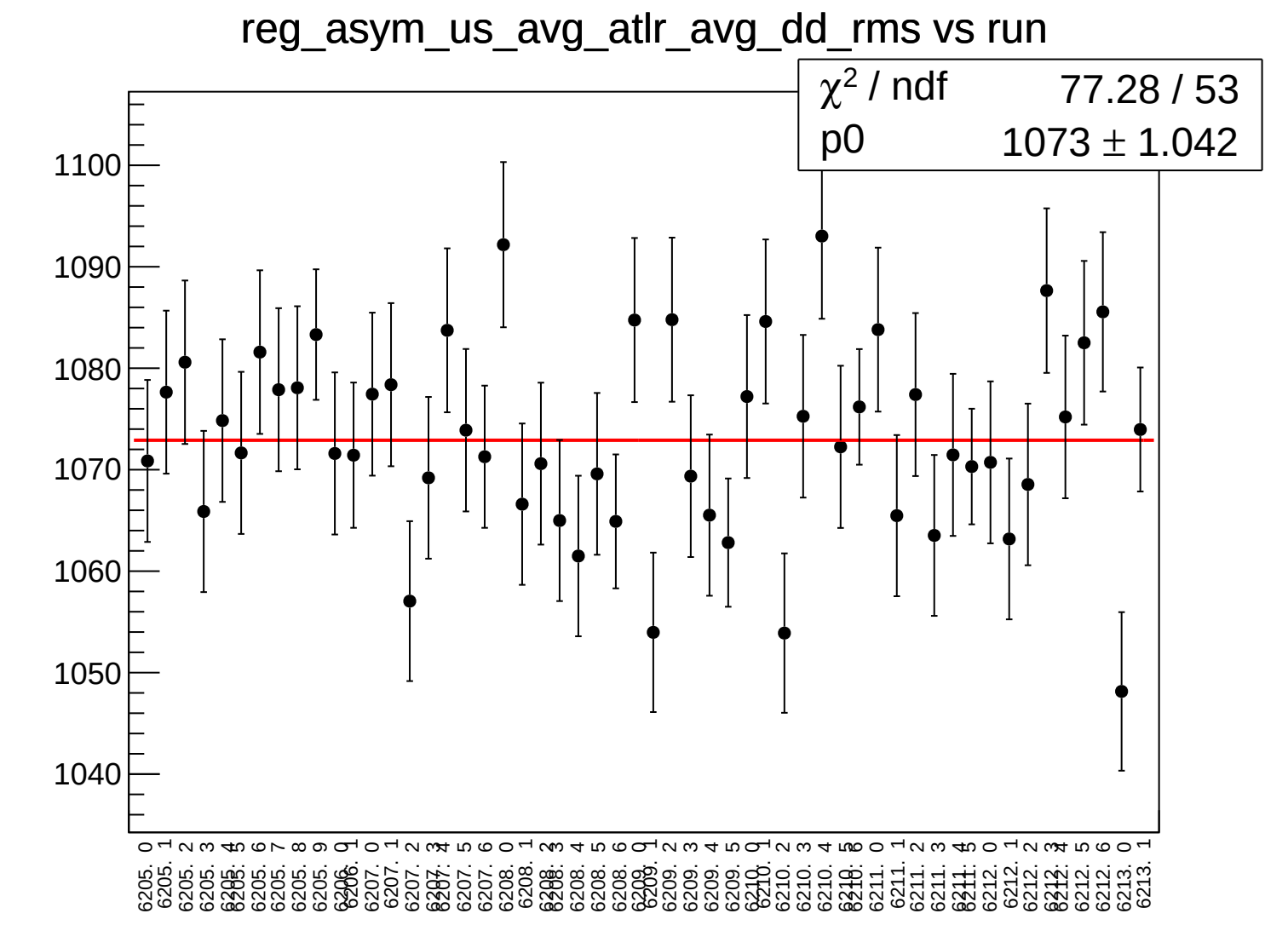

asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻⁹
χ² / ndf 46.96 / 53
p0 −6.74e−13 ± 5.35e−13
pull
Entries 54
Mean 53.68
Std Dev 7.761

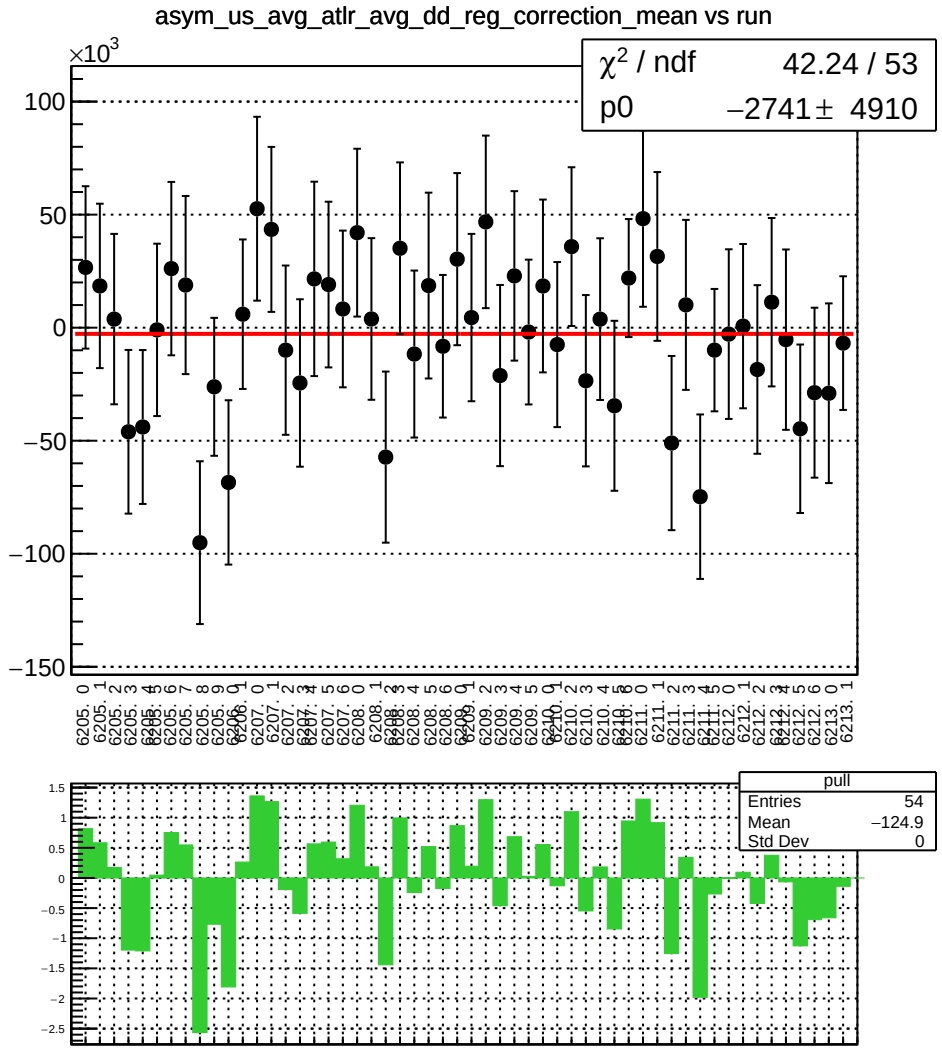

pull1D
Entries 54
Mean 0.05071
Std Dev 0.9311

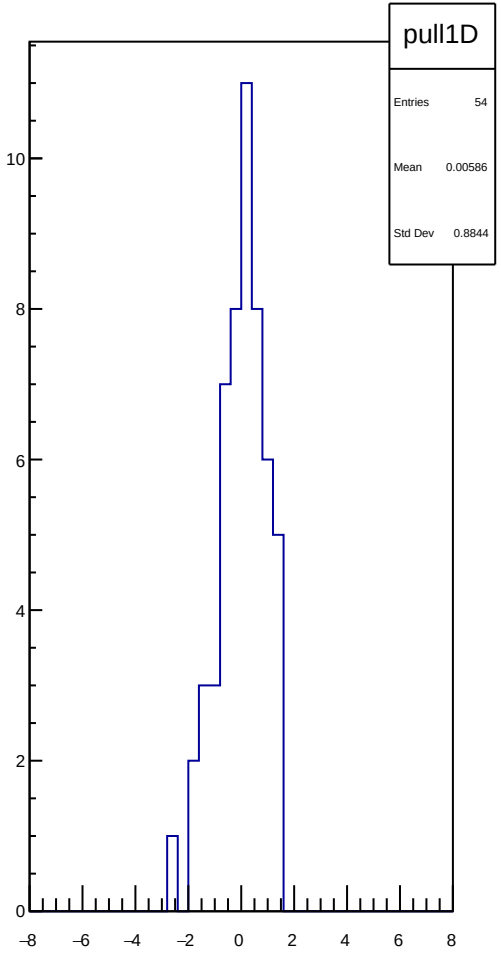

asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.619e+05 / 53
p0 3.16e−10 ± 3.783e−13
4.5
4
3.5
3
2.5
2
1.5
1
0.5
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

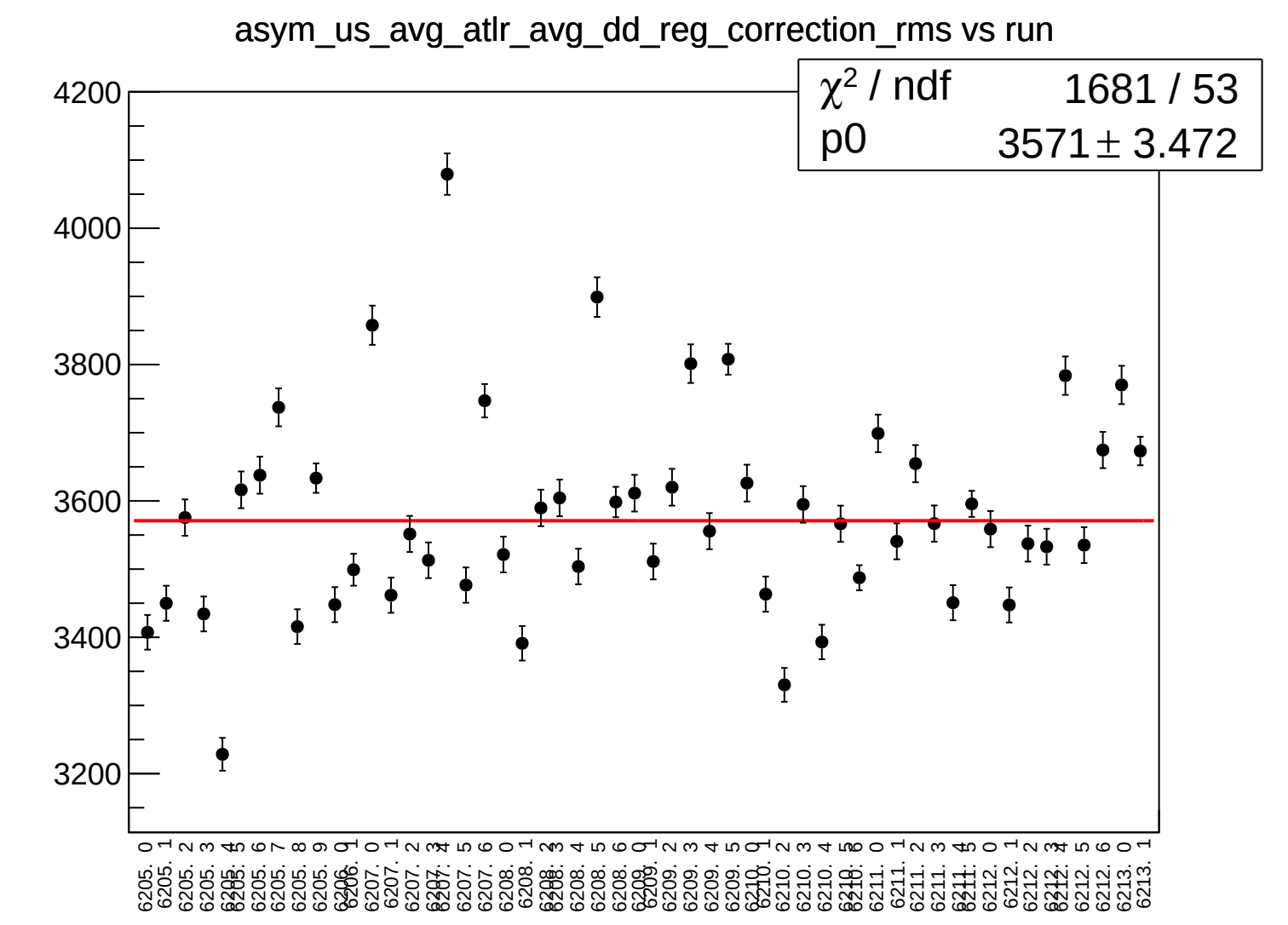

reg_asym_us_avg_atlr_avg_dd_mean vs run
χ² / ndf 44.99 / 53
p0 −2606 ± 1474
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 54
Mean −199.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

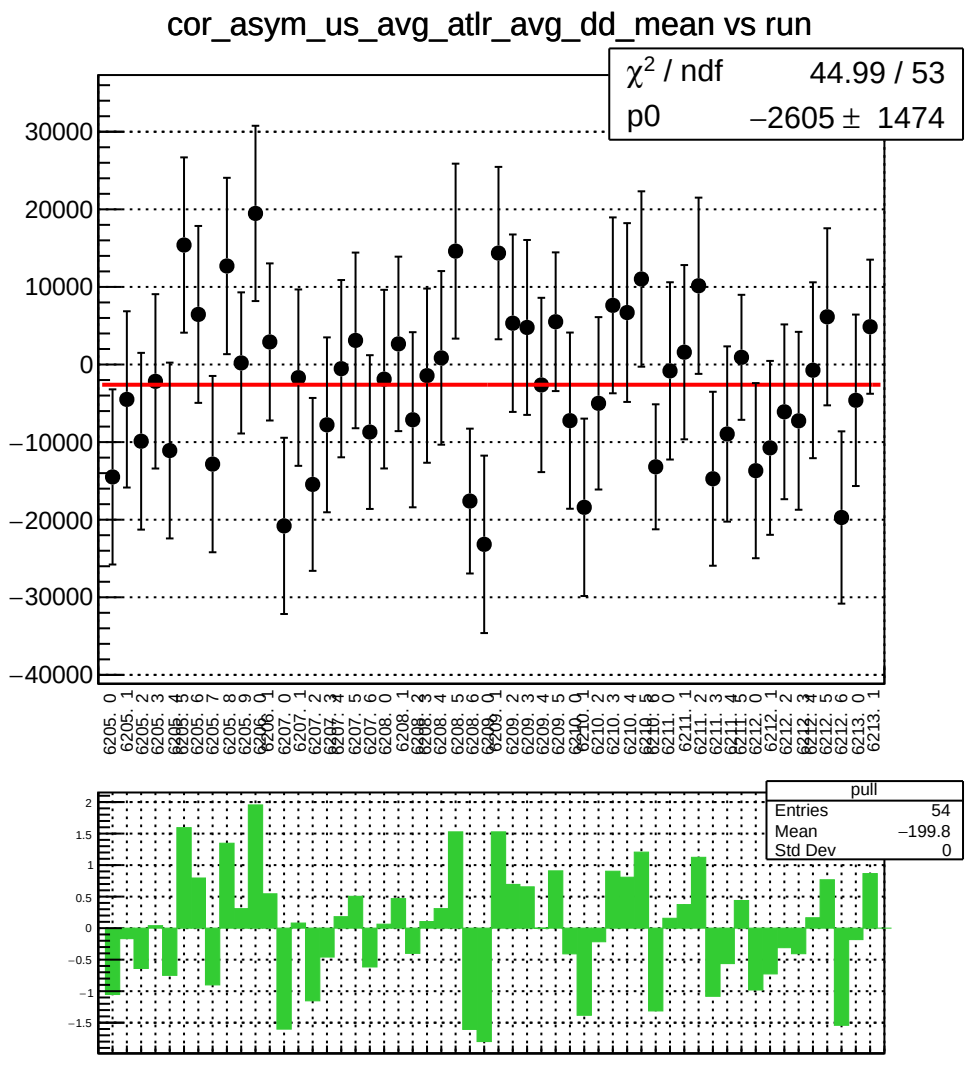

pull1D
Entries 54
Mean 0.002931
Std Dev 0.9128
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

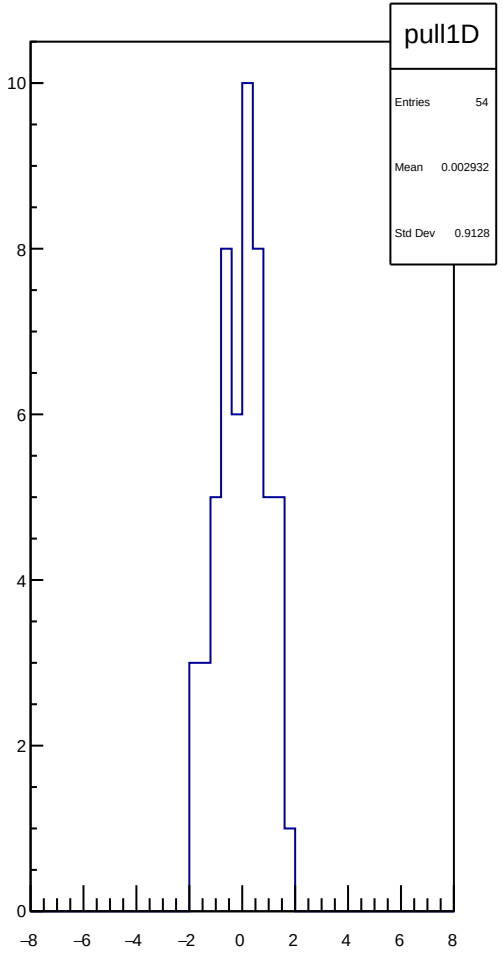

reg_asym_us_avg_atlr_avg_dd_rms vs run
χ² / ndf 77.28 / 53
p0 1073 ± 1.042
1100
1090
1080
1070
1060
1050
1040
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

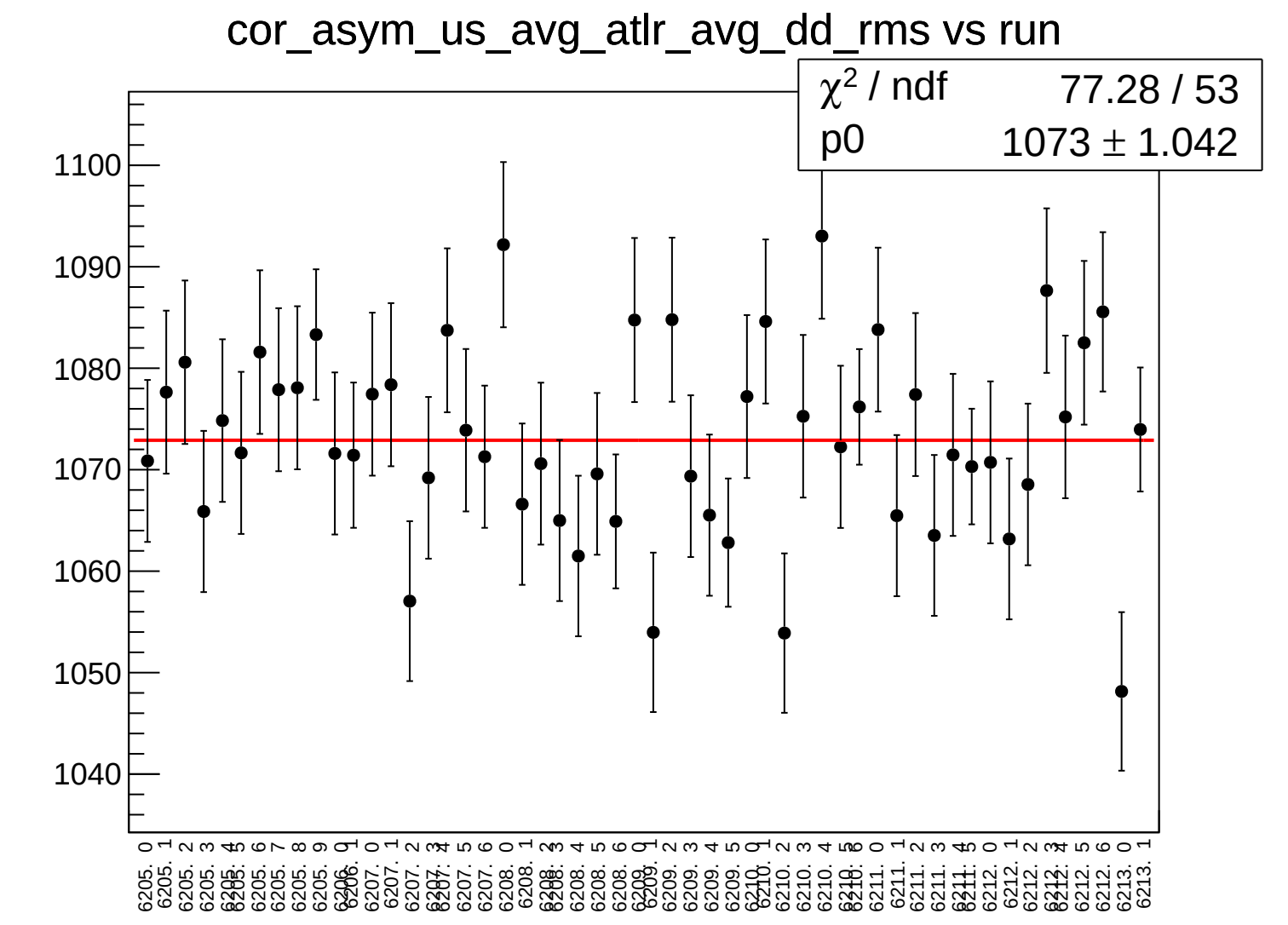

asym_us_avg_atlr_avg_dd_reg_correction_mean vs run
×10^3
χ^2 / ndf 42.24 / 53
p0 −2741 ± 4910
100
50
0
−50
−100
−150
pull
Entries 54
Mean −124.9
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

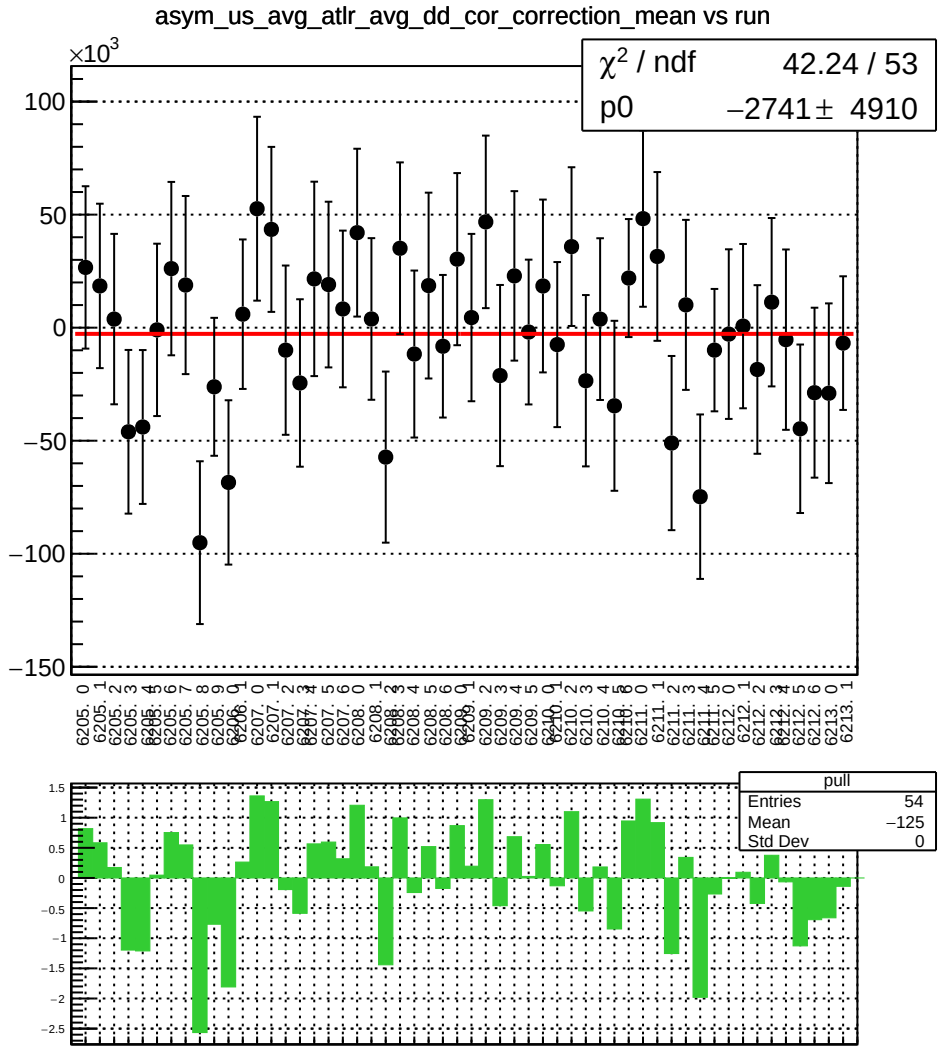

pull1D
Entries 54
Mean 0.00586
Std Dev 0.8844
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

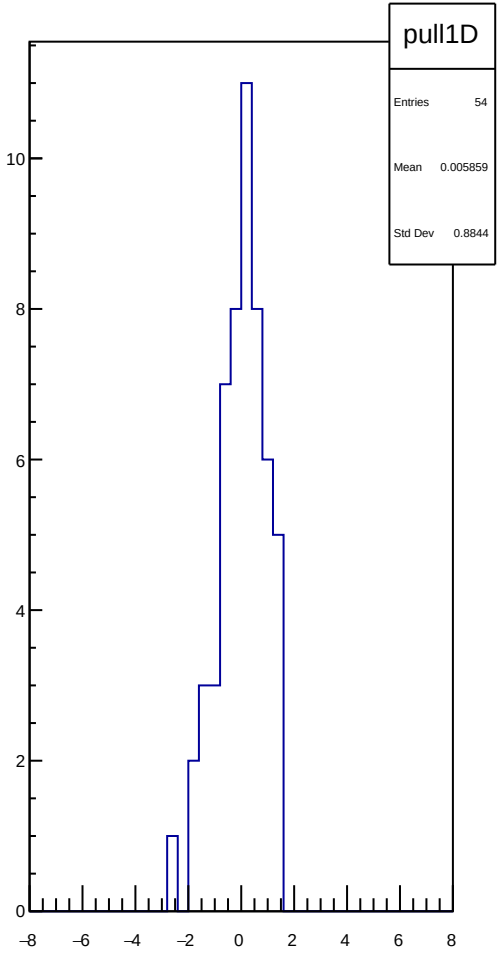

asym_us_avg_atlr_avg_dd_reg_correction_rms vs run
χ² / ndf 1681 / 53
p0 3571 ± 3.472
4200
4000
3800
3600
3400
3200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

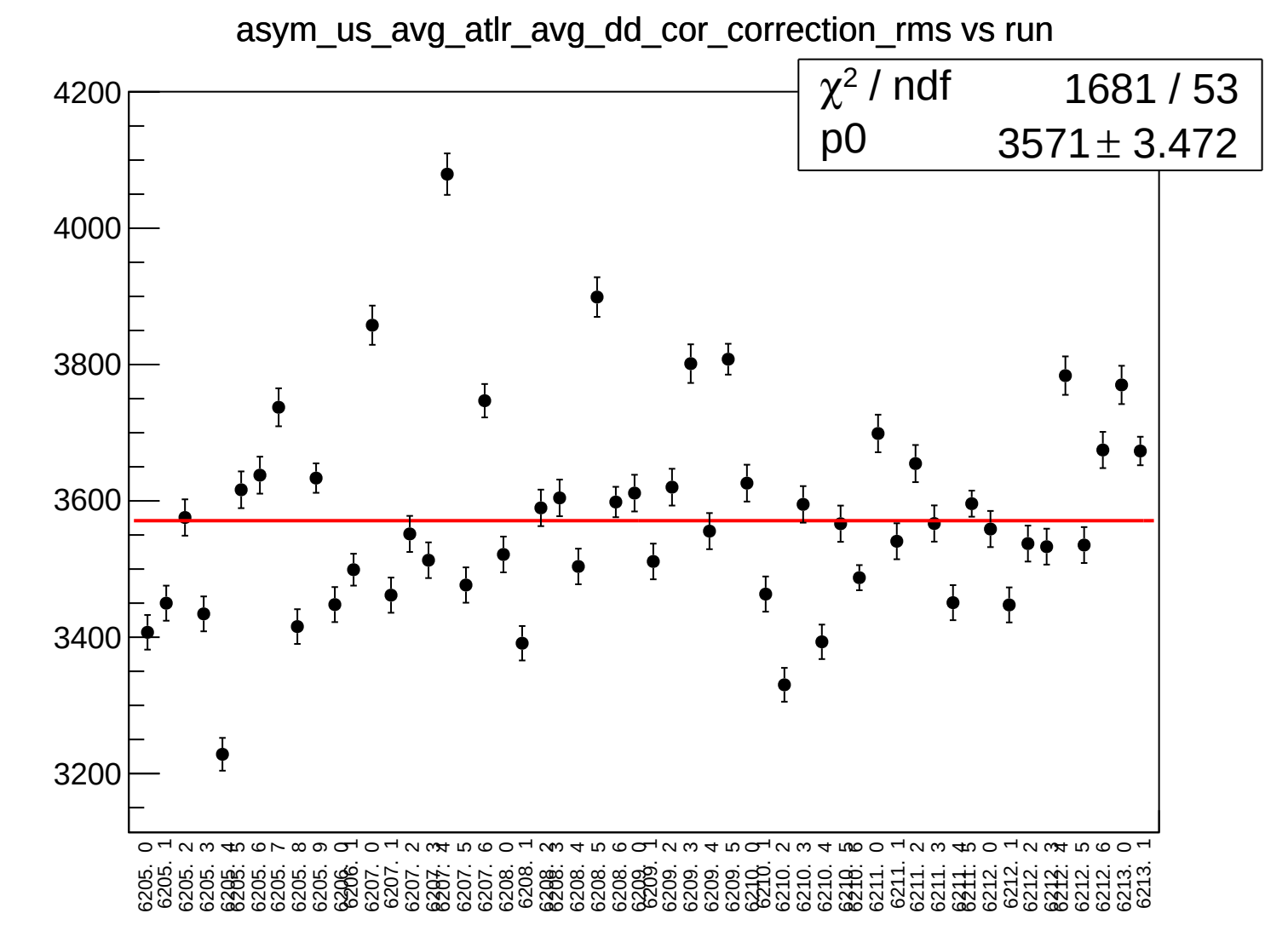

cor_asym_us_avg_atlr_avg_dd_mean vs run
χ² / ndf 44.99 / 53
p0 −2605 ± 1474
pull
Entries 54
Mean −199.8
Std Dev 0


pull1D
Entries 54
Mean 0.002932
Std Dev 0.9128


cor_asym_us_avg_atlr_avg_dd_rms vs run
χ² / ndf 77.28 / 53
p0 1073 ± 1.042
1100
1090
1080
1070
1060
1050
1040
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_us_avg_atlr_avg_dd_cor_correction_mean vs run
×10^3
χ² / ndf 42.24 / 53
p0 −2741 ± 4910
100
50
0
−50
−100
−150
pull
Entries 54
Mean −125
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 54
Mean 0.005859
Std Dev 0.8844
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 1681 / 53
p0 3571 ± 3.472
4200
4000
3800
3600
3400
3200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
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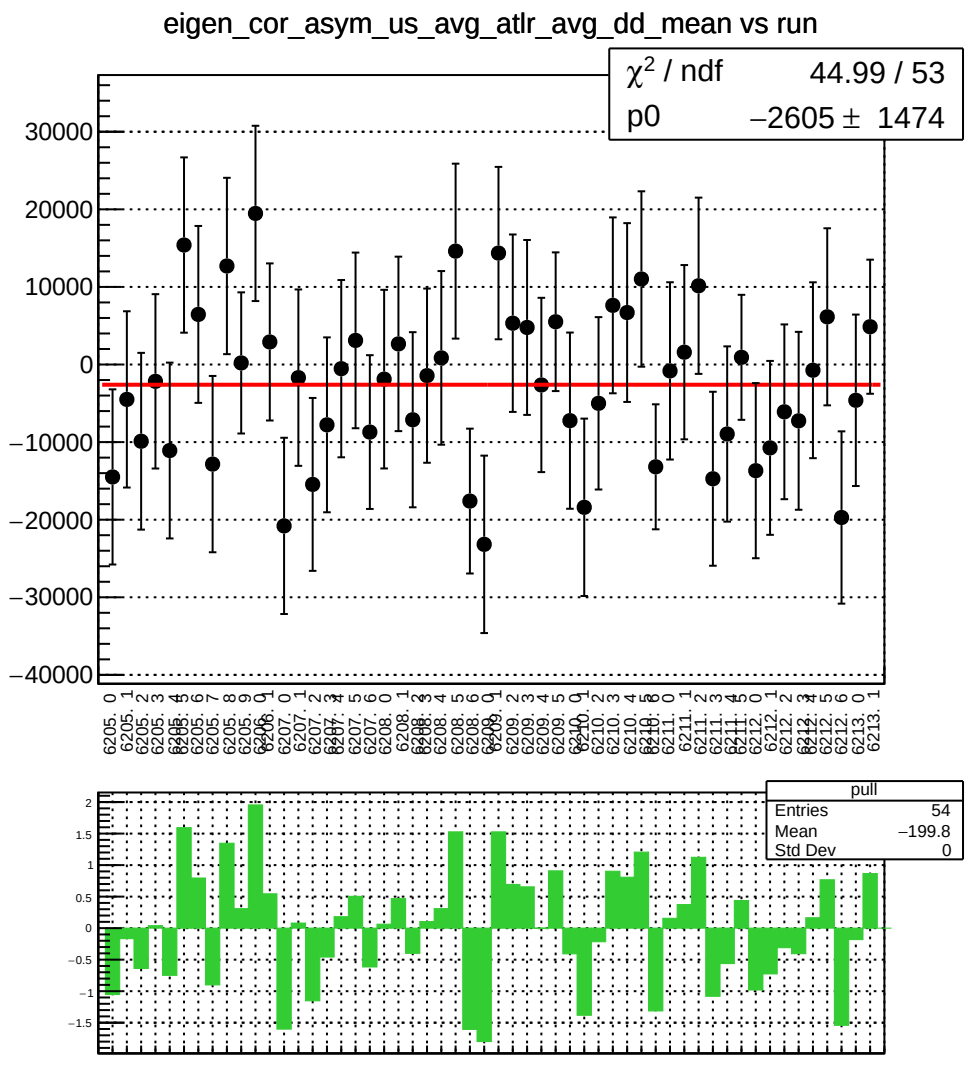
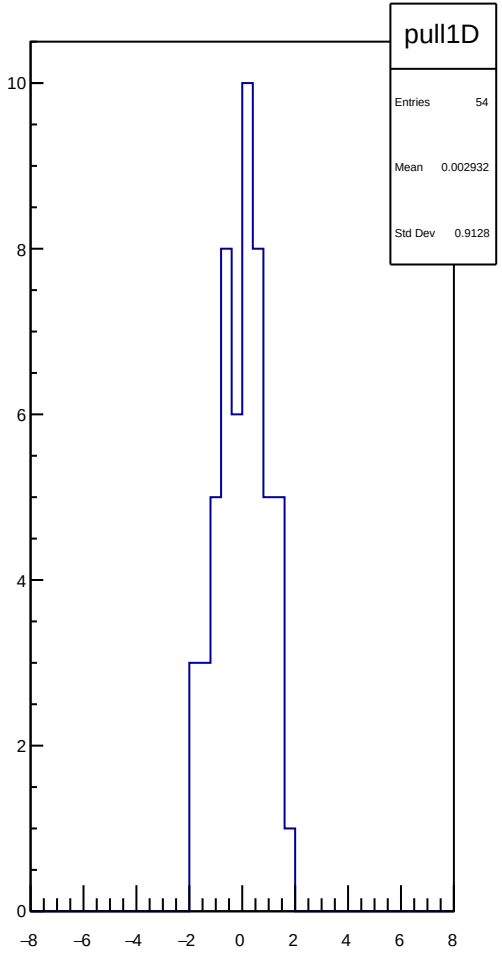
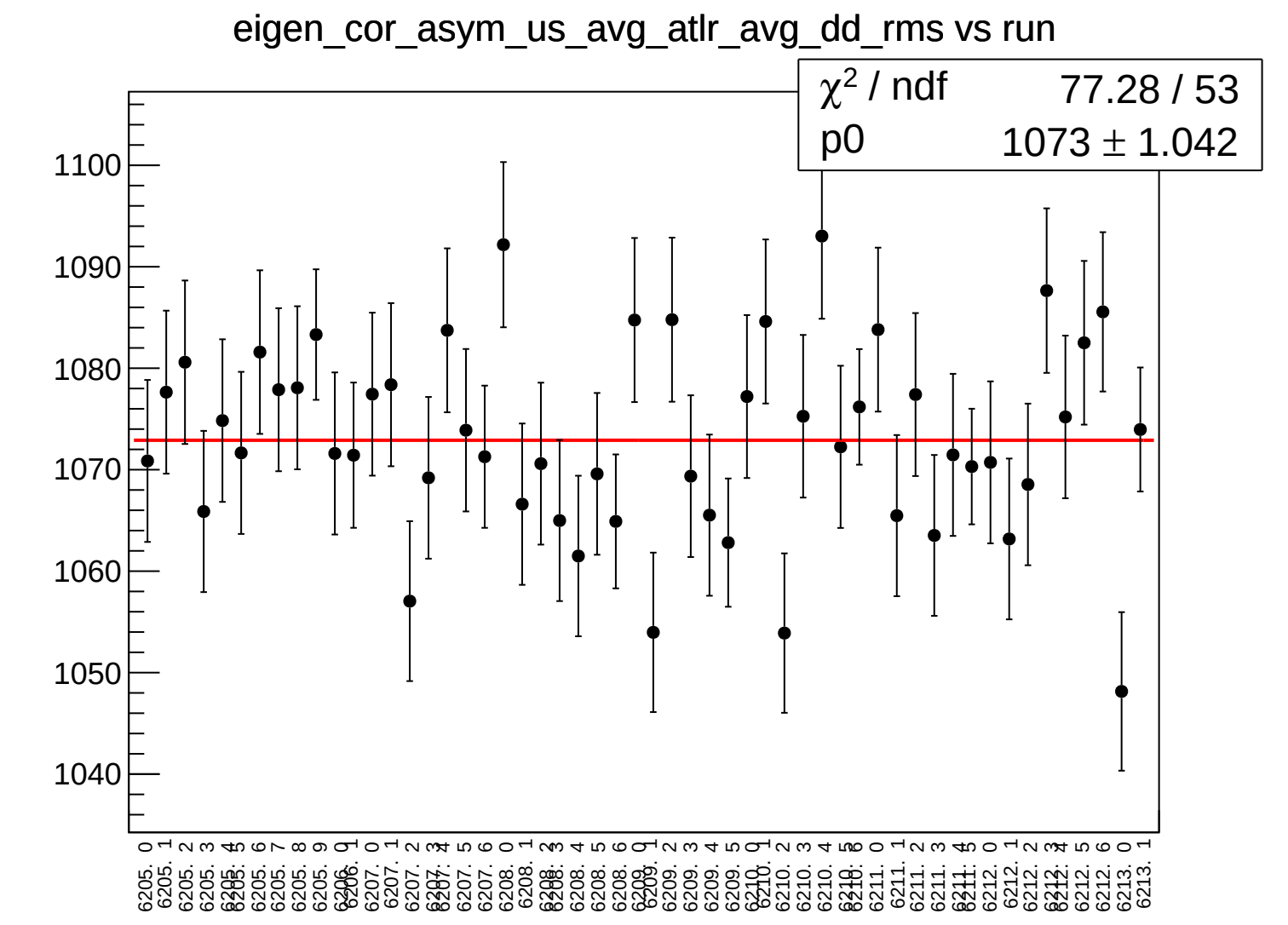
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


eigen_cor_asym_us_avg_atlr_avg_dd_mean vs run
χ² / ndf 44.99 / 53
p0 −2605 ± 1474
pull
Entries 54
Mean −199.8
Std Dev 0


pull1D
Entries 54
Mean 0.002932
Std Dev 0.9128


eigen_cor_asym_us_avg_atlr_avg_dd_rms vs run
χ² / ndf 77.28 / 53
p0 1073 ± 1.042
1100
1090
1080
1070
1060
1050
1040
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
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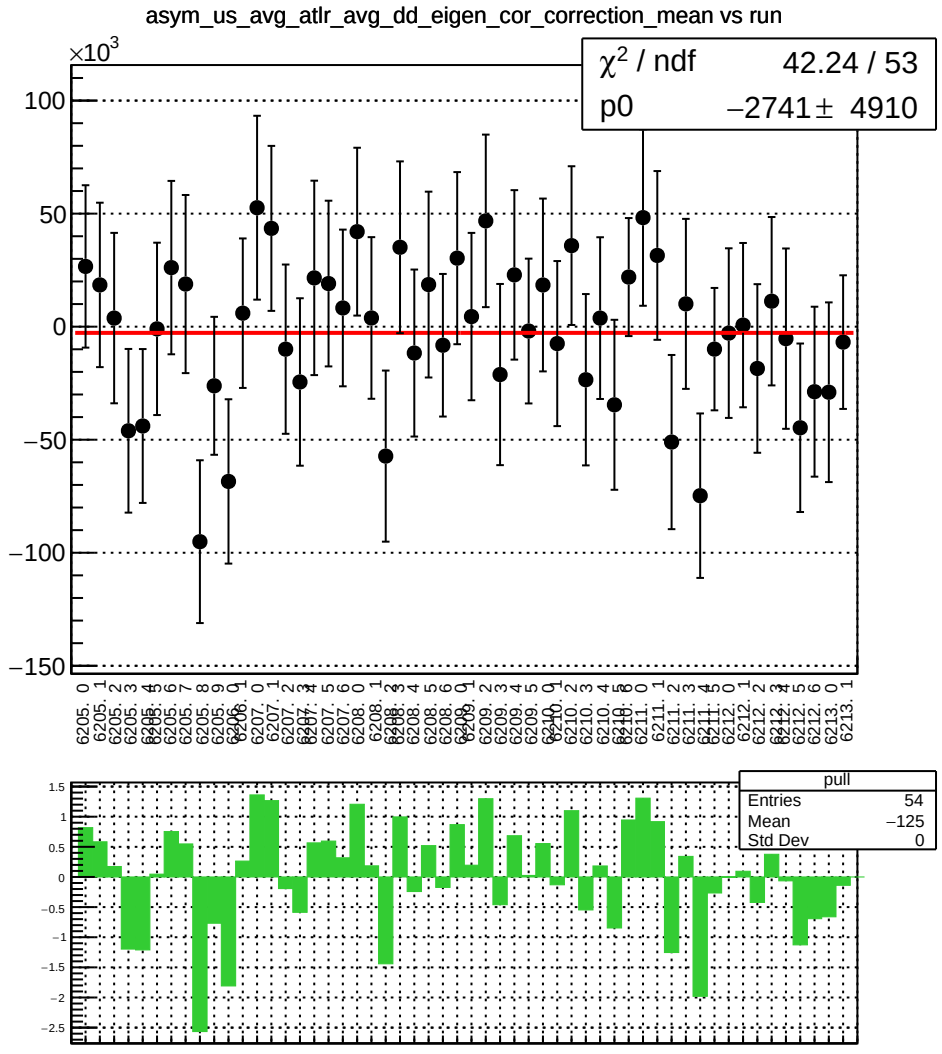
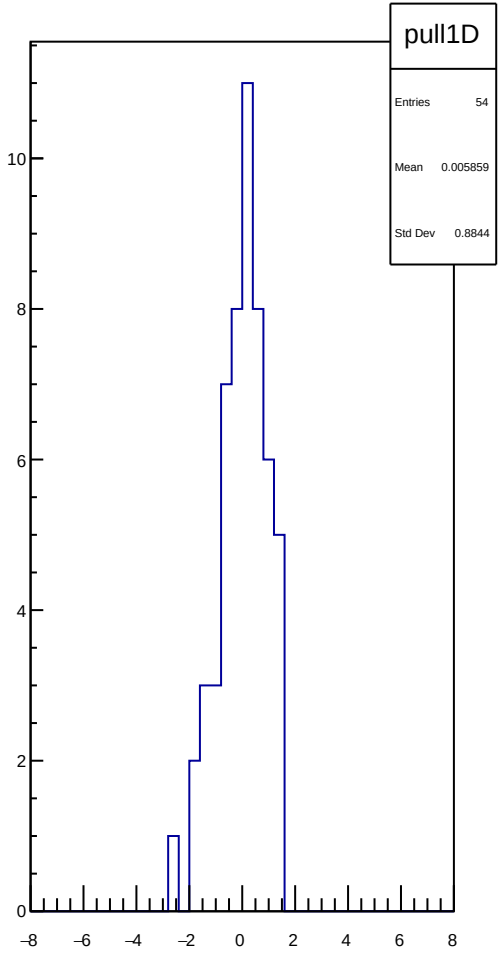
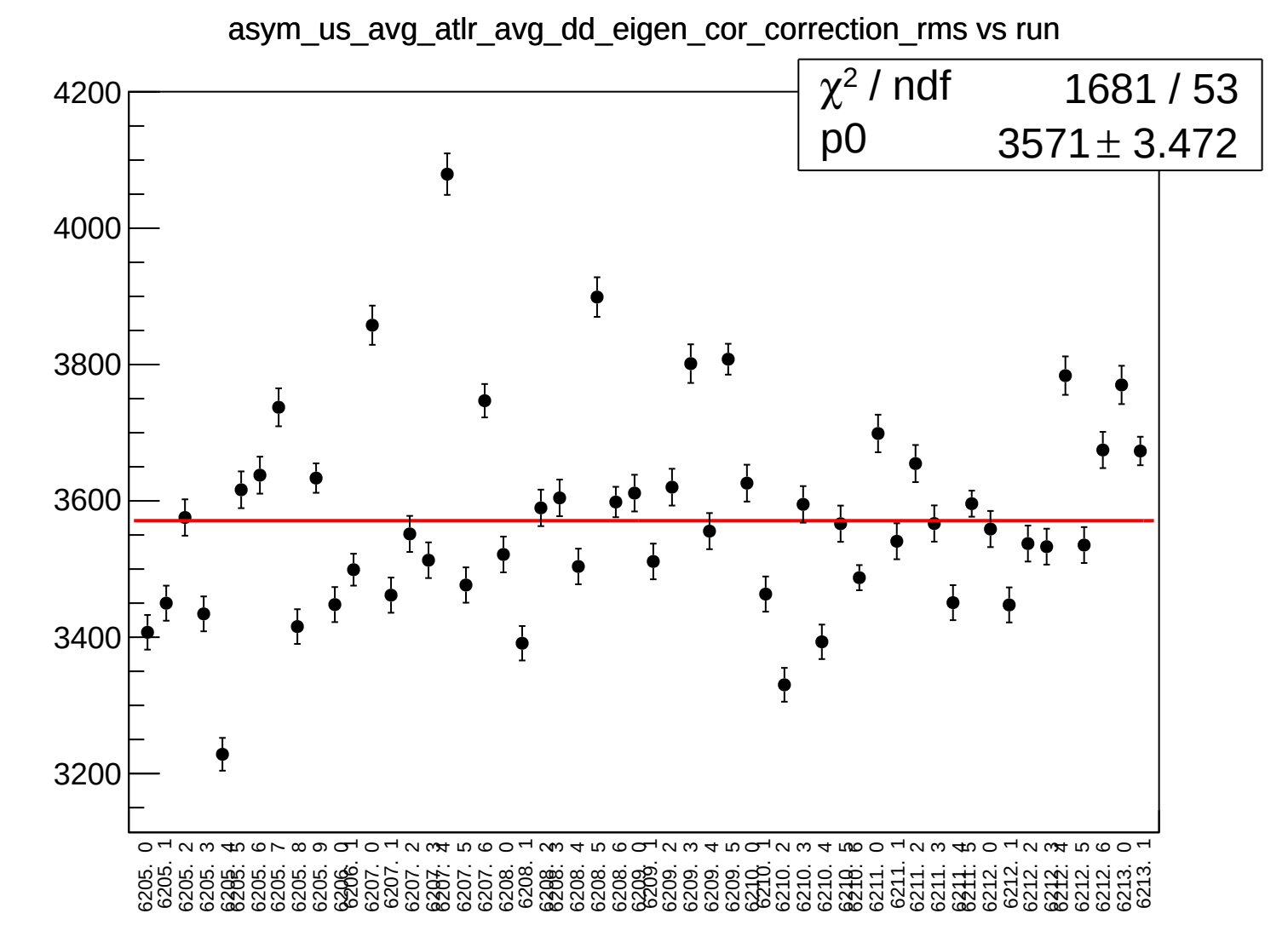
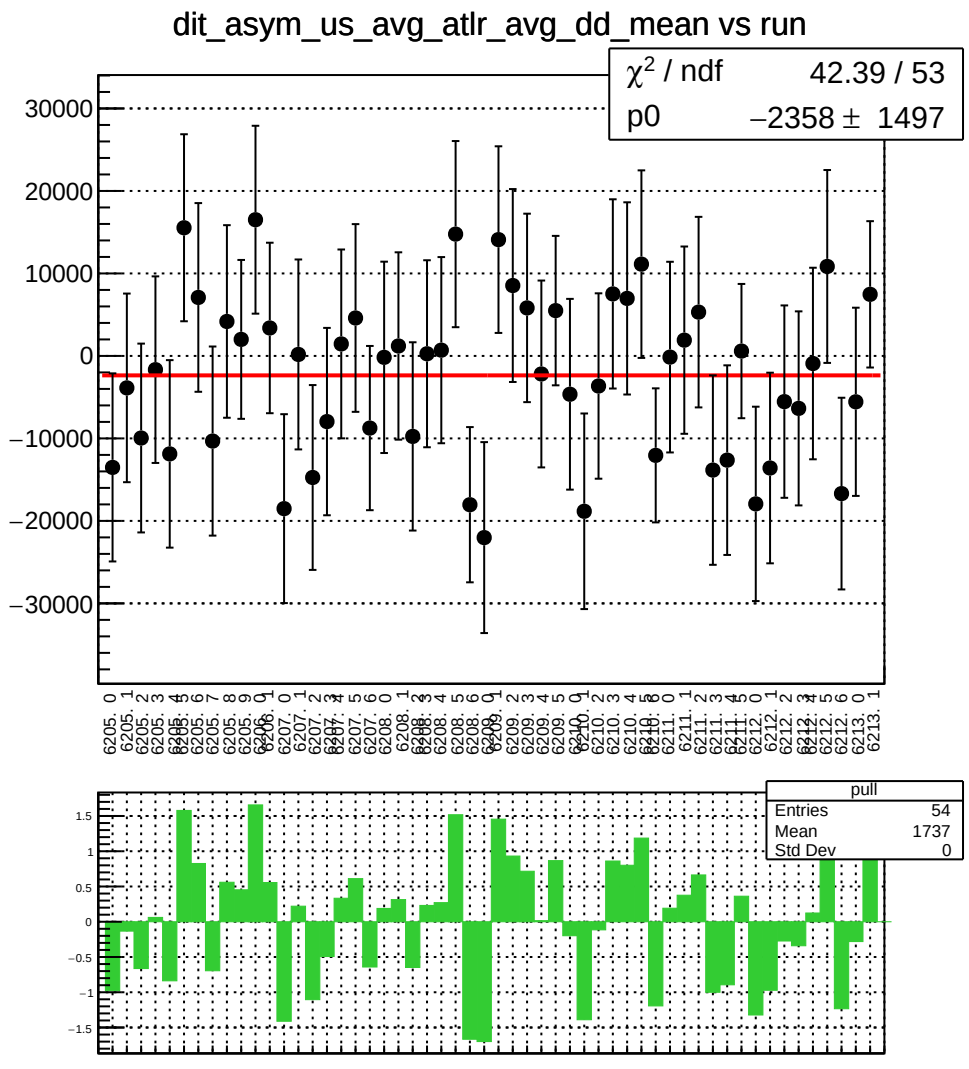
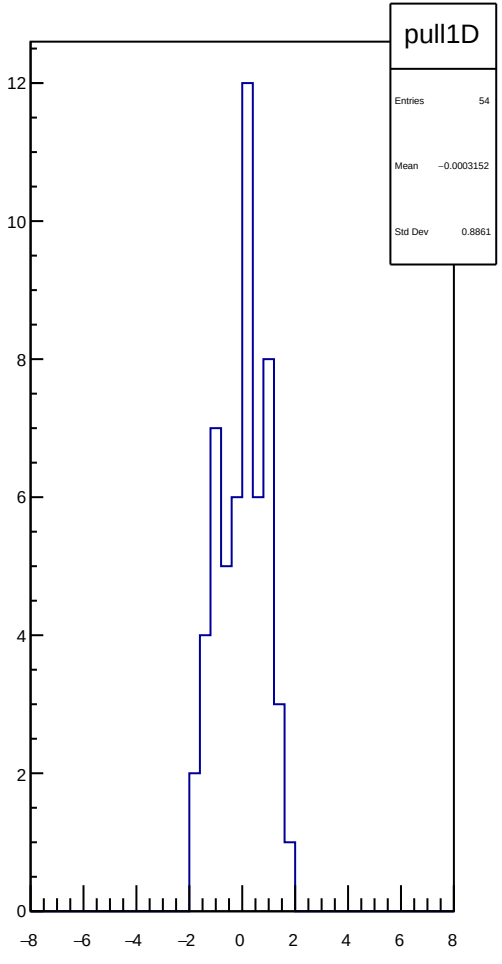
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

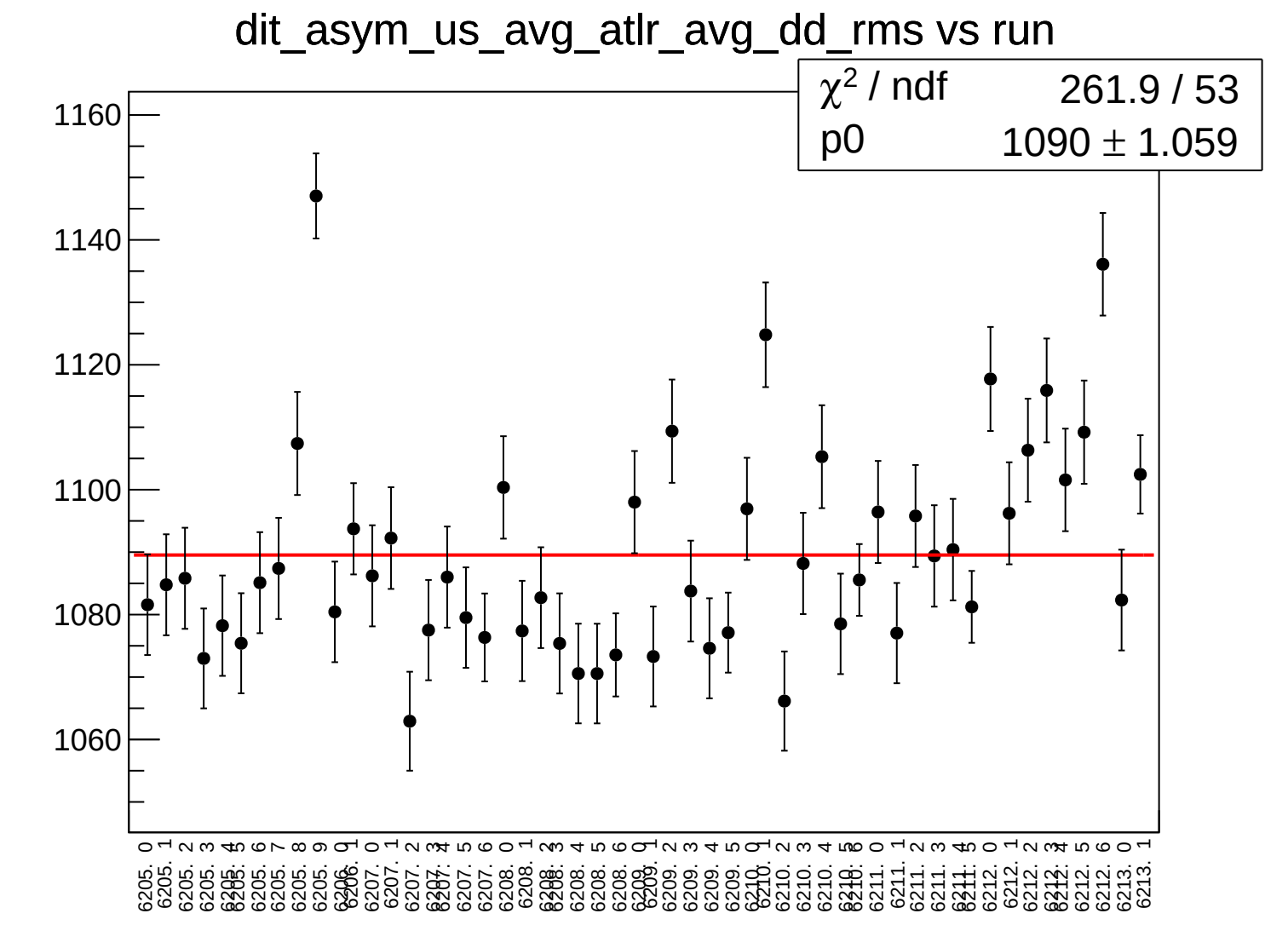

asym_us_avg_atlr_avg_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 42.24 / 53
p0 −2741 ± 4910
pull
Entries 54
Mean −125
Std Dev 0


pull1D
Entries 54
Mean 0.005859
Std Dev 0.8844


asym_us_avg_atlr_avg_dd_eigen_cor_correction_rms vs run
χ² / ndf 1681 / 53
p0 3571 ± 3.472
4200
4000
3800
3600
3400
3200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


dit_asym_us_avg_atlr_avg_dd_mean vs run
χ² / ndf 42.39 / 53
p0 −2358 ± 1497
pull
Entries 54
Mean 1737
Std Dev 0


pull1D
Entries 54
Mean −0.0003152
Std Dev 0.8861


dit_asym_us_avg_atlr_avg_dd_rms vs run
χ² / ndf 261.9 / 53
p0 1090 ± 1.059
1160
1140
1120
1100
1080
1060
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
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6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
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6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
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6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
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6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
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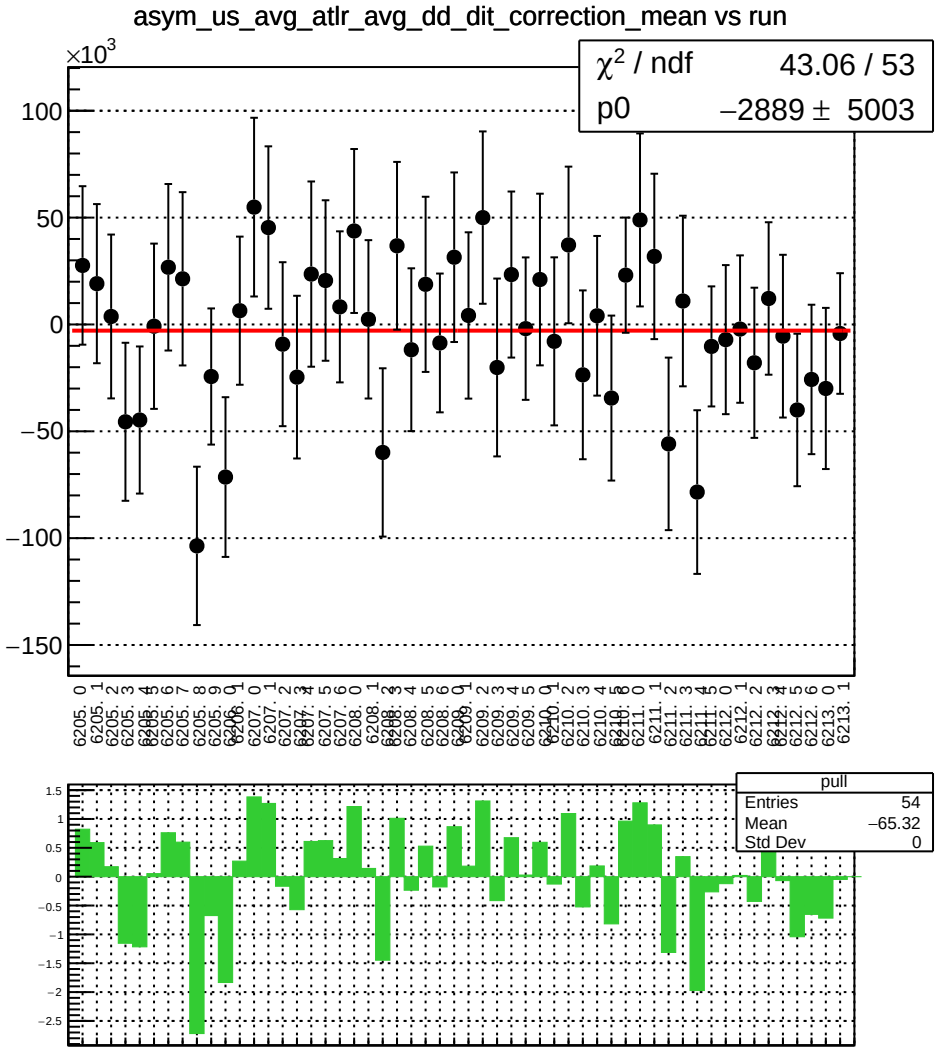
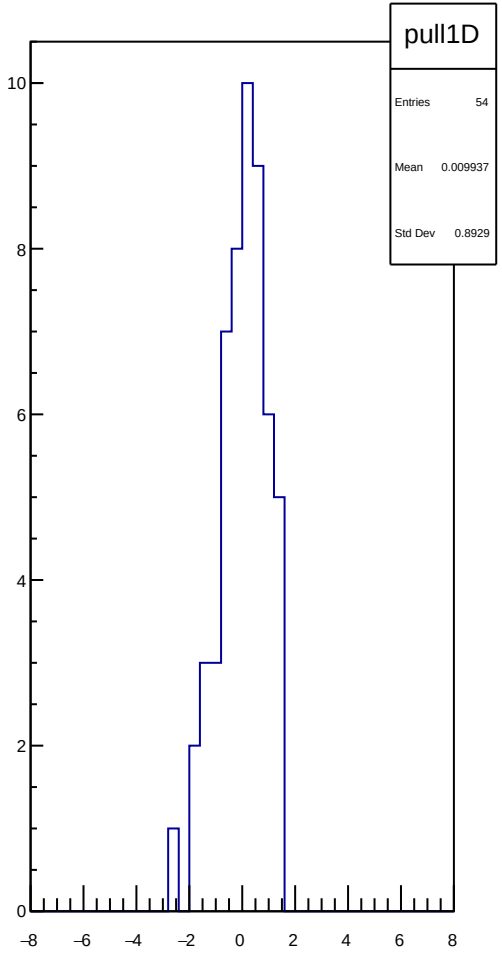
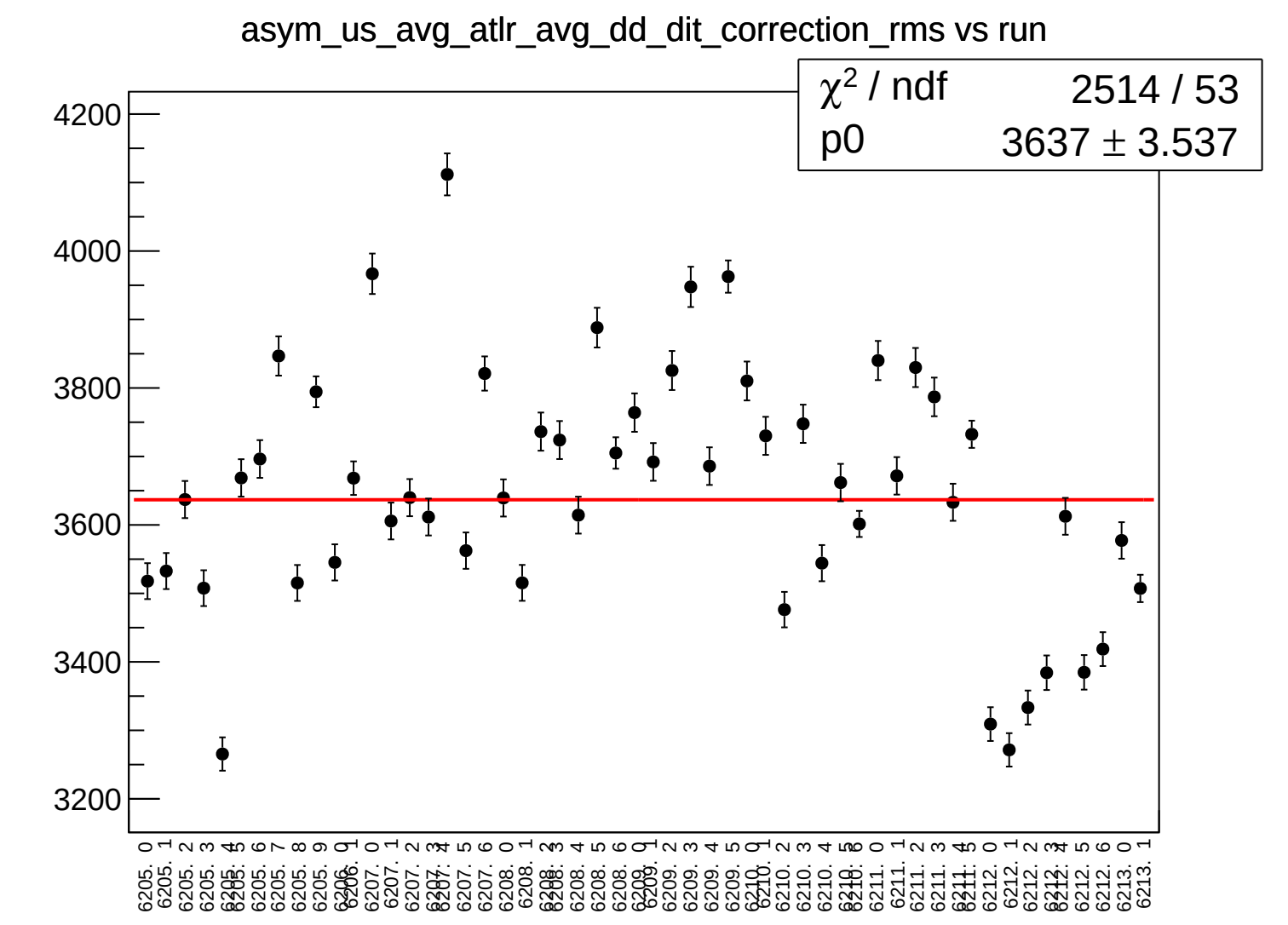
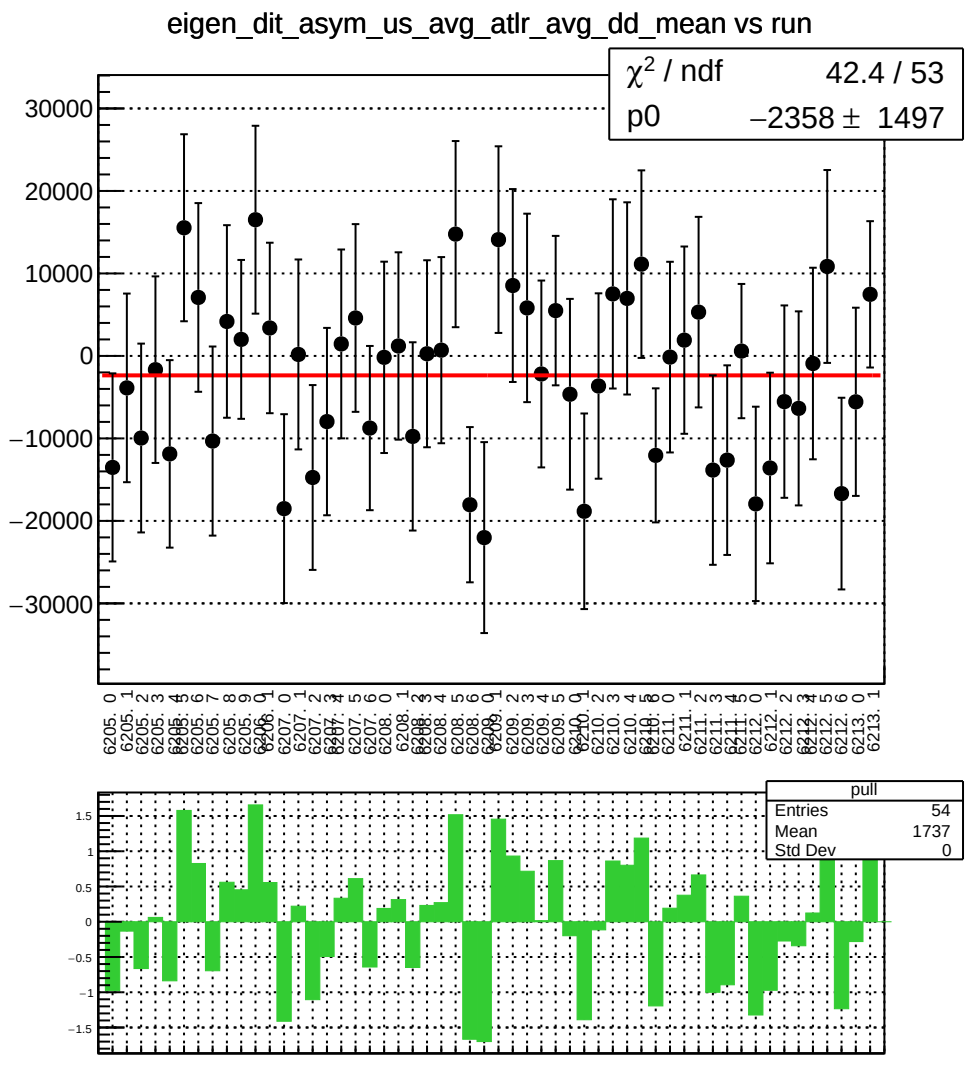
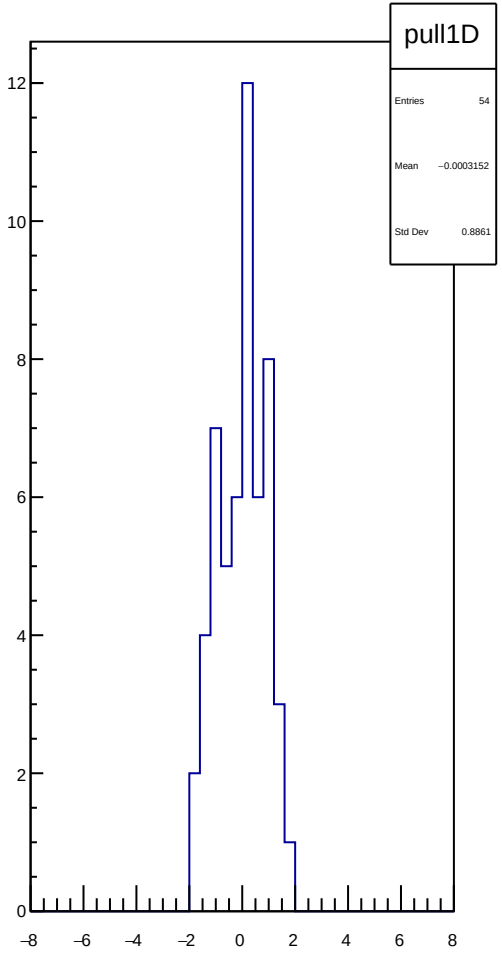
6212. 6
6213. 0
6213. 1

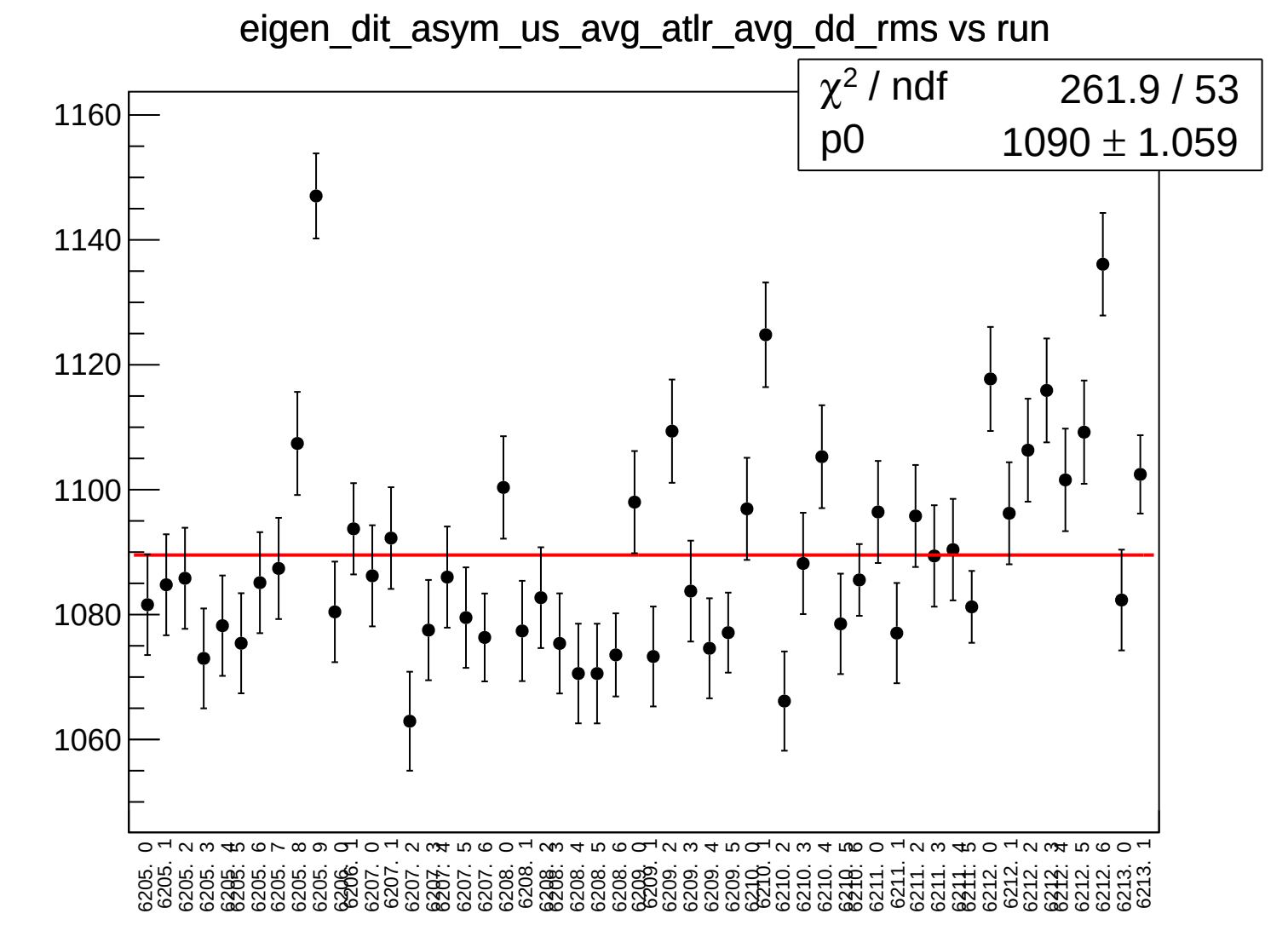

asym_us_avg_atlr_avg_dd_dit_correction_mean vs run
×10^3
χ² / ndf 43.06 / 53
p0 −2889 ± 5003
pull
Entries 54
Mean −65.32
Std Dev 0

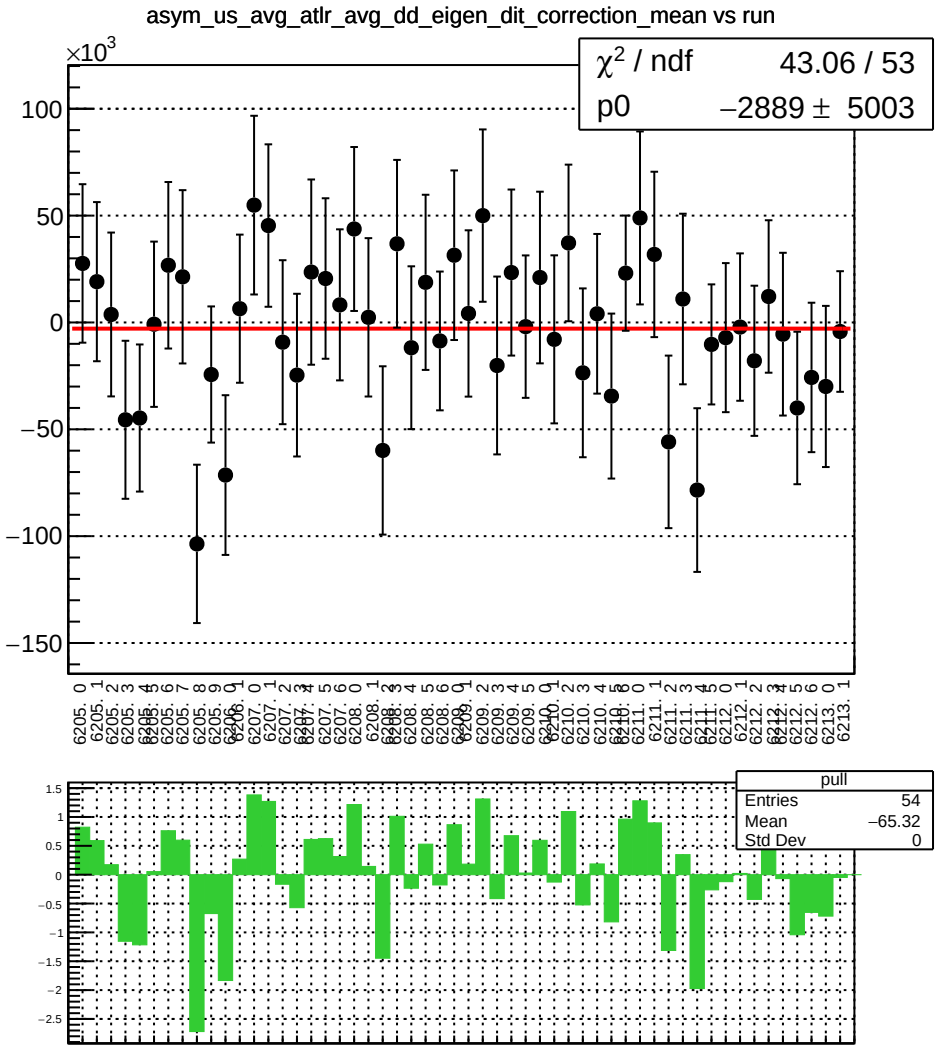

pull1D
Entries 54
Mean 0.009937
Std Dev 0.8929

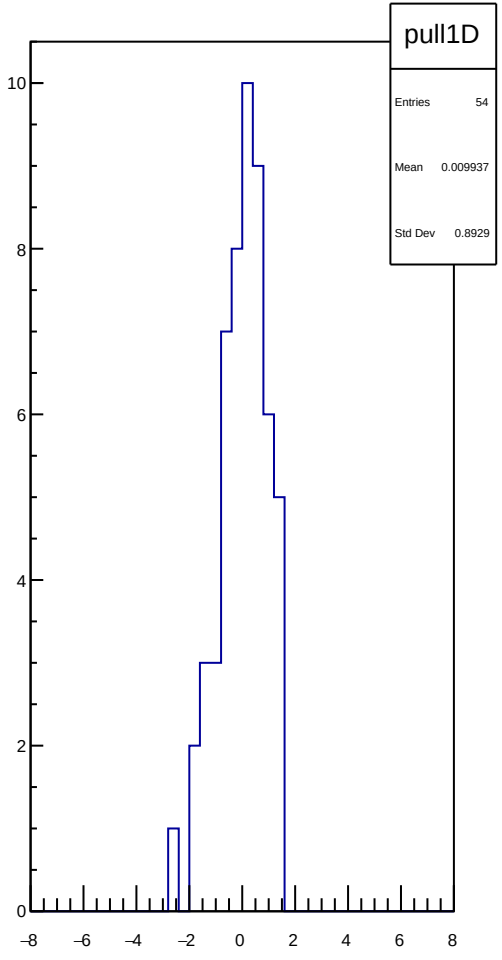

asym_us_avg_atlr_avg_dd_dit_correction_rms vs run
χ² / ndf 2514 / 53
p0 3637 ± 3.537
4200
4000
3800
3600
3400
3200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

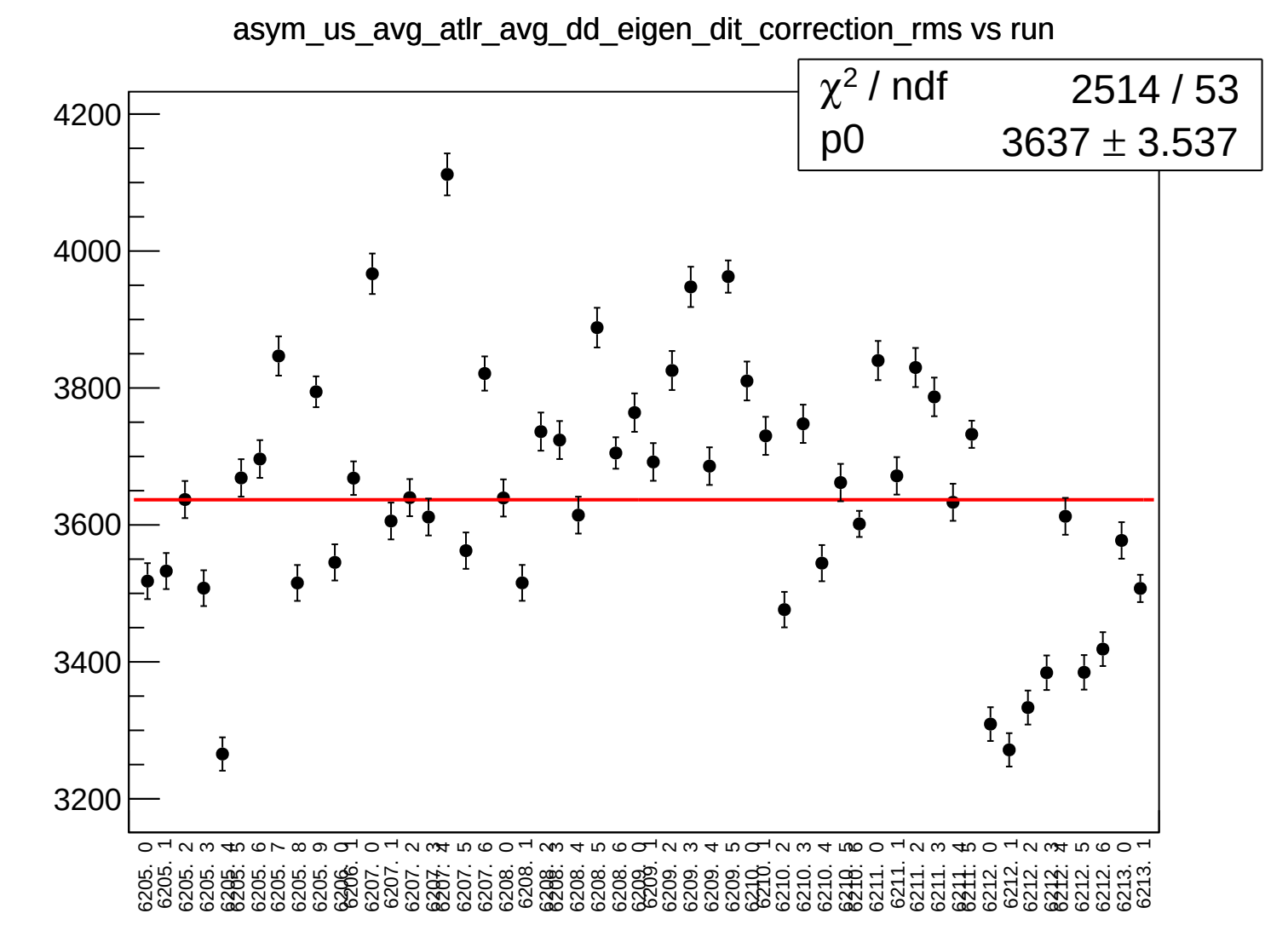

eigen_dit_asym_us_avg_atlr_avg_dd_mean vs run
χ² / ndf 42.4 / 53
p0 −2358 ± 1497
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 54
Mean 1737
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

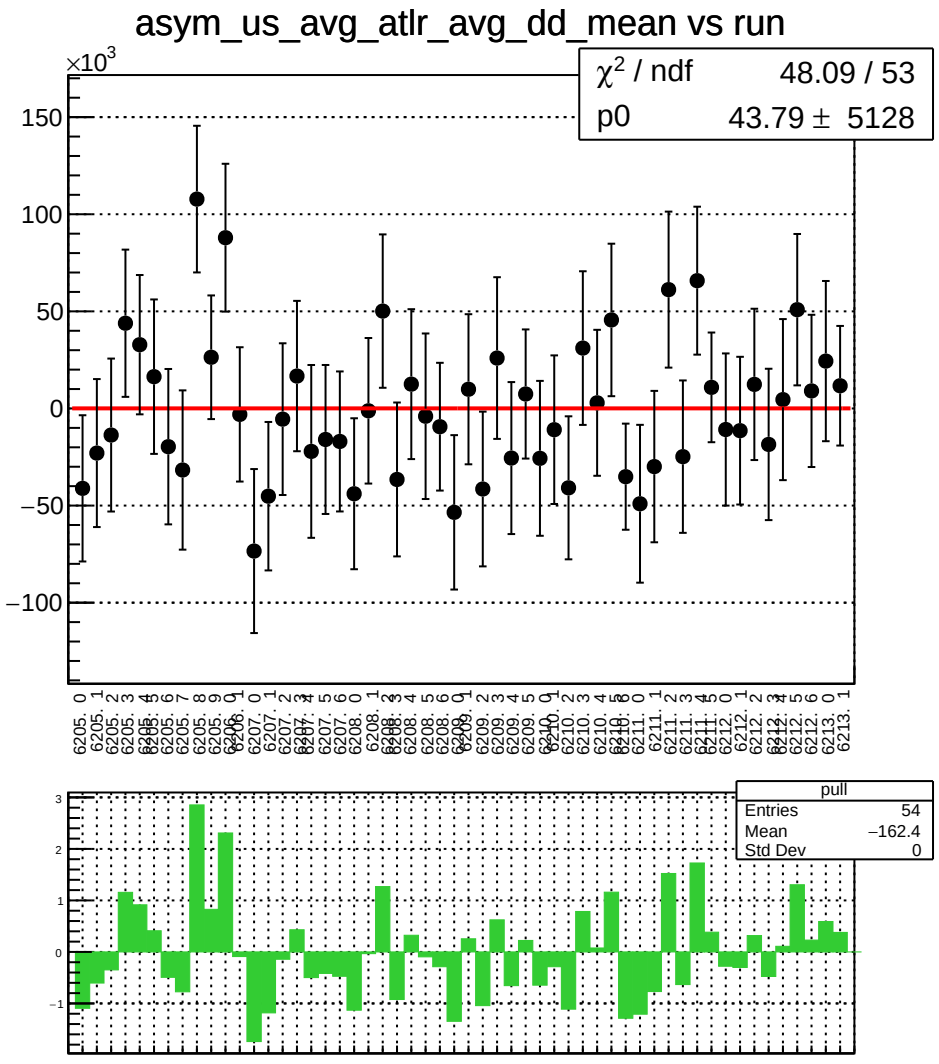

pull1D
Entries 54
Mean −0.0003152
Std Dev 0.8861
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

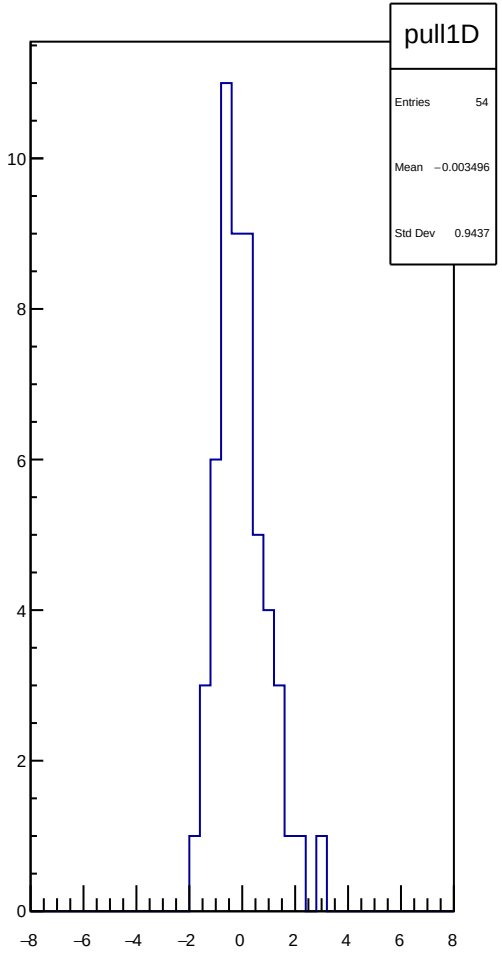

eigen_dit_asym_us_avg_atlr_avg_dd_rms vs run
χ² / ndf 261.9 / 53
p0 1090 ± 1.059
1160
1140
1120
1100
1080
1060
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

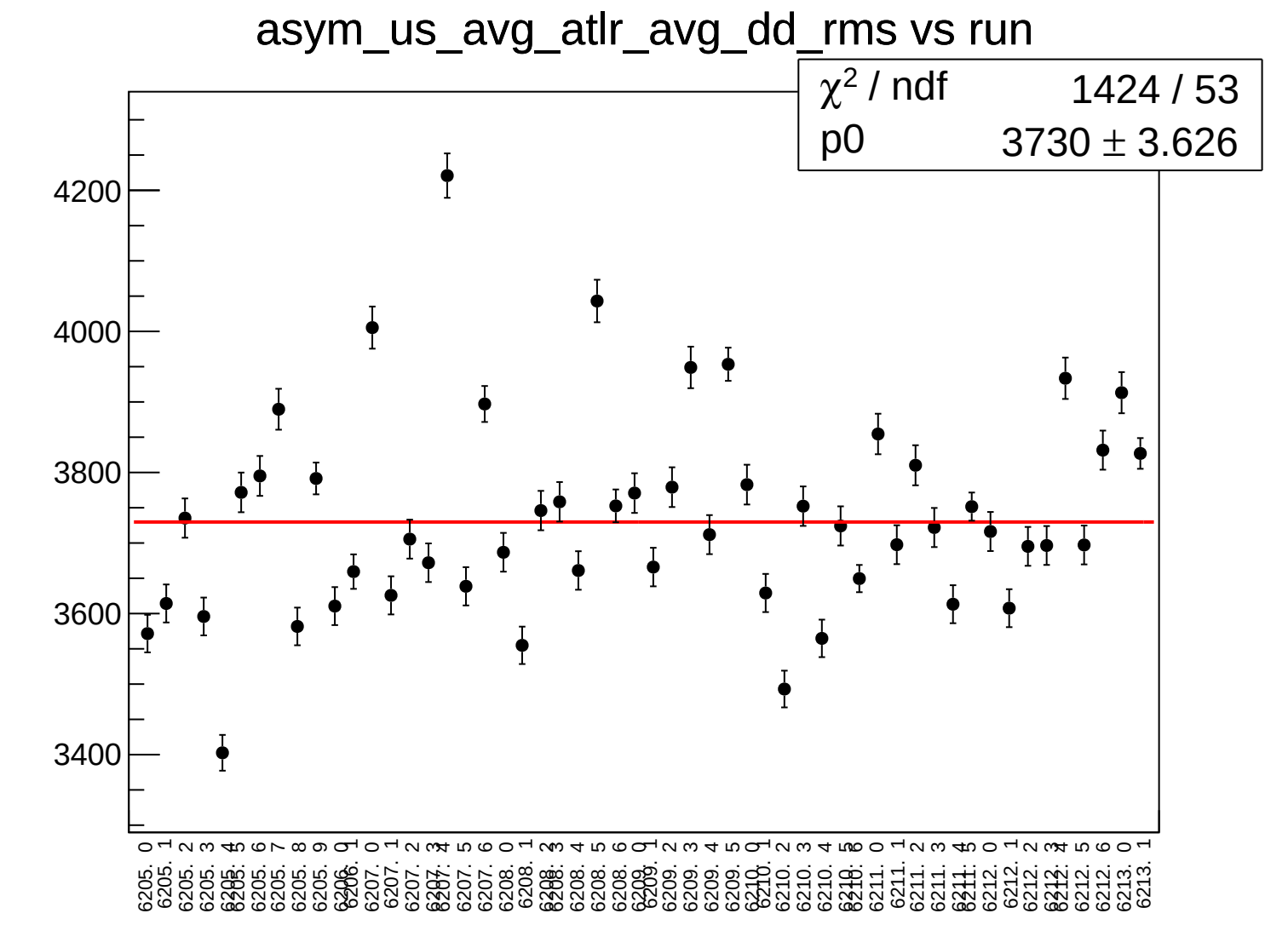

asym_us_avg_atlr_avg_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 43.06 / 53
p0 −2889 ± 5003
100
50
0
−50
−100
−150
pull
Entries 54
Mean −65.32
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

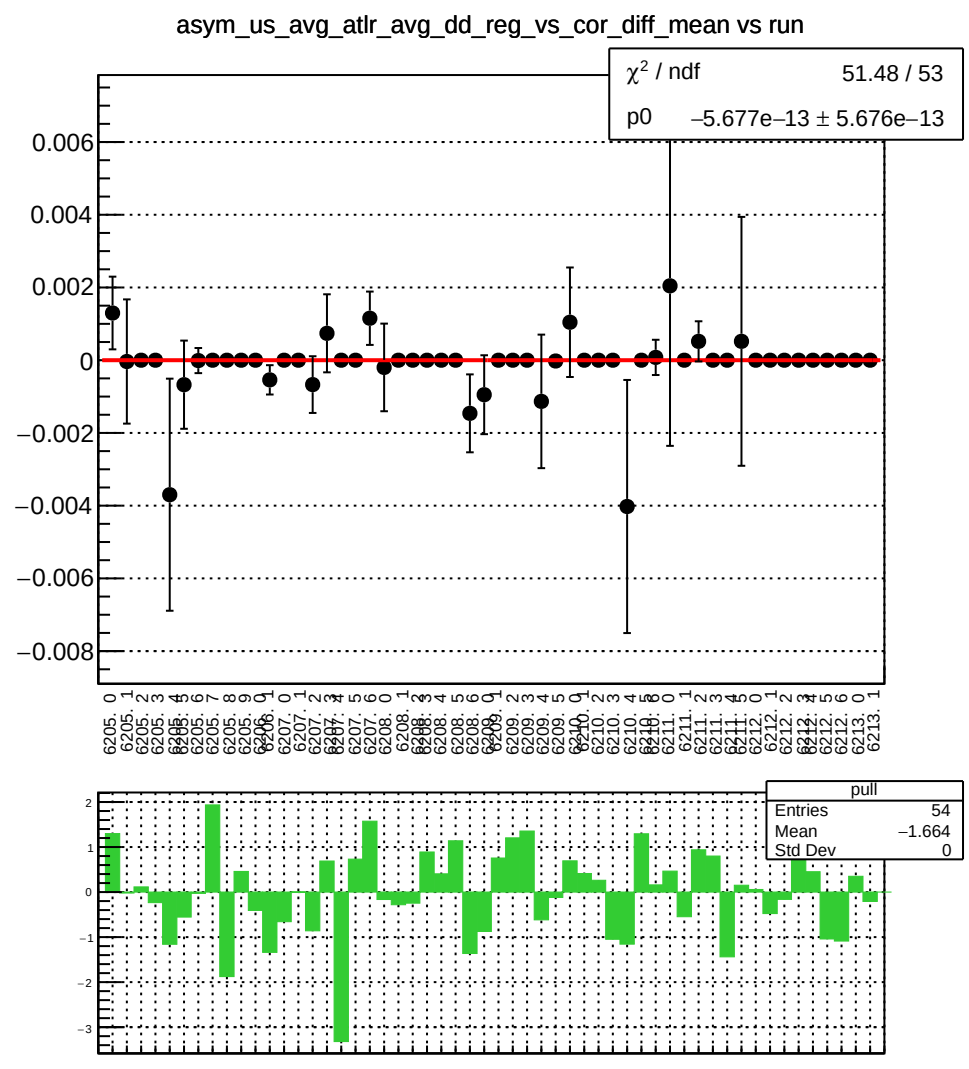

pull1D
Entries 54
Mean 0.009937
Std Dev 0.8929
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

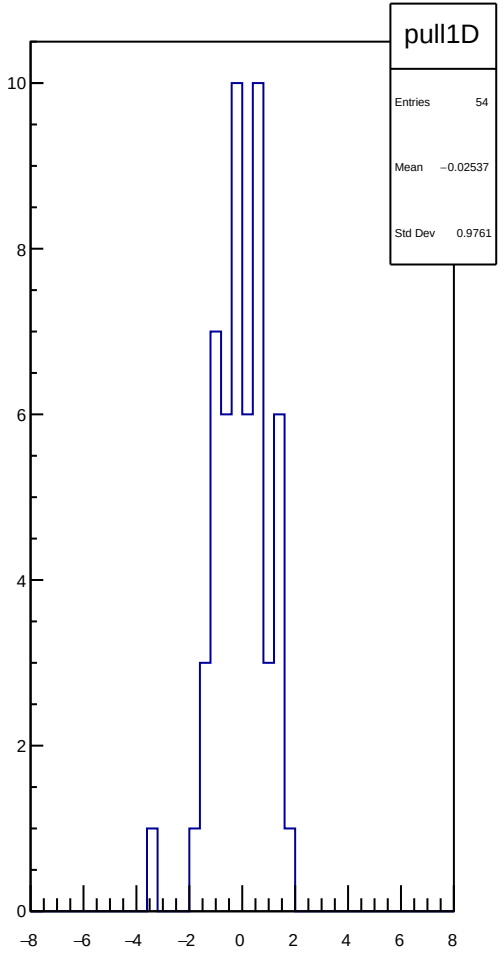

asym_us_avg_atlr_avg_dd_eigen_dit_correction_rms vs run
χ² / ndf 2514 / 53
p0 3637 ± 3.537
4200
4000
3800
3600
3400
3200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

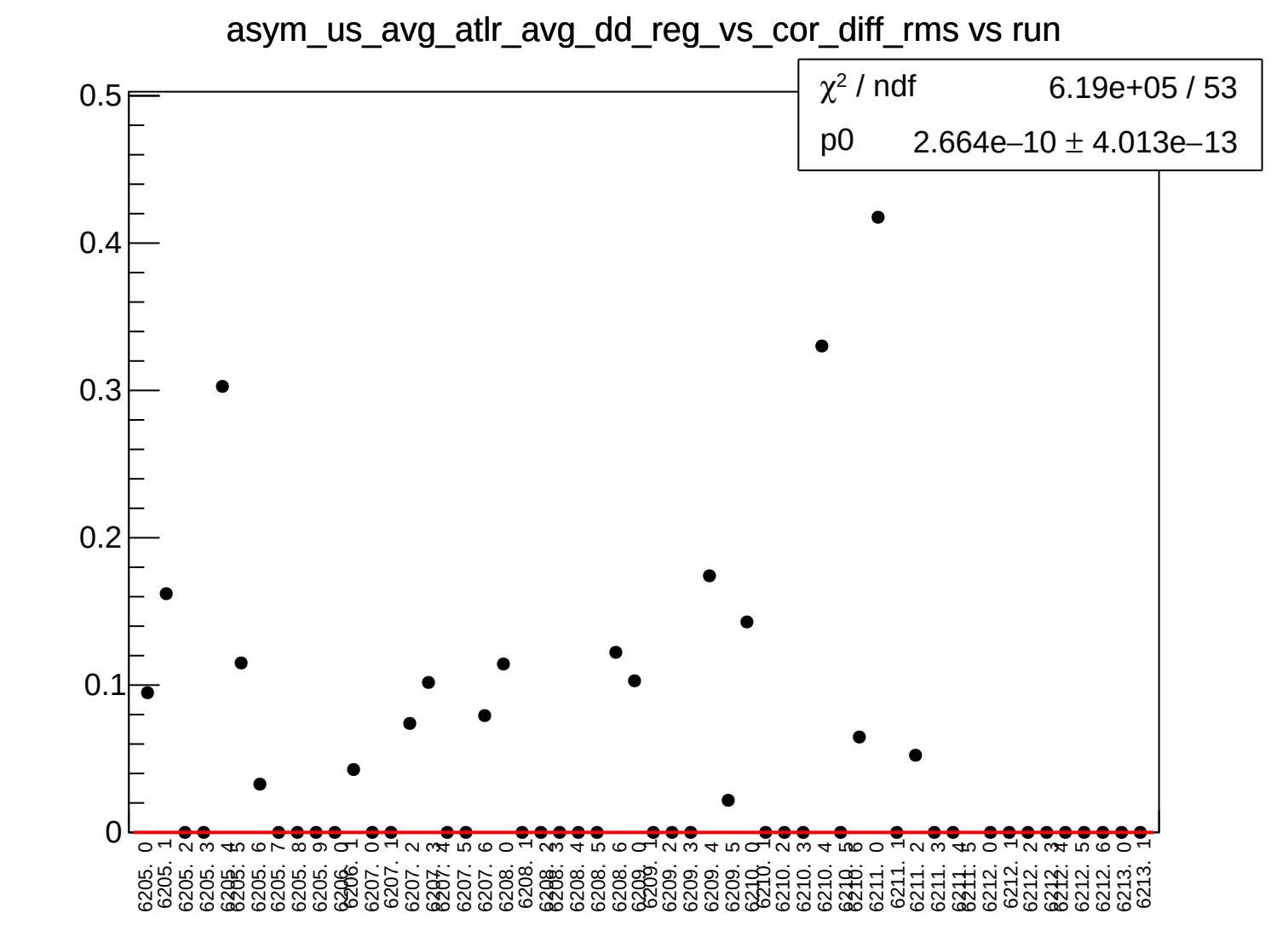

asym_us_avg_atlr_avg_dd_mean vs run
×10^3
χ² / ndf 48.09 / 53
p0 43.79 ± 5128
150
100
50
0
−50
−100
pull
Entries 54
Mean −162.4
Std Dev 0
3
2
1
0
−1

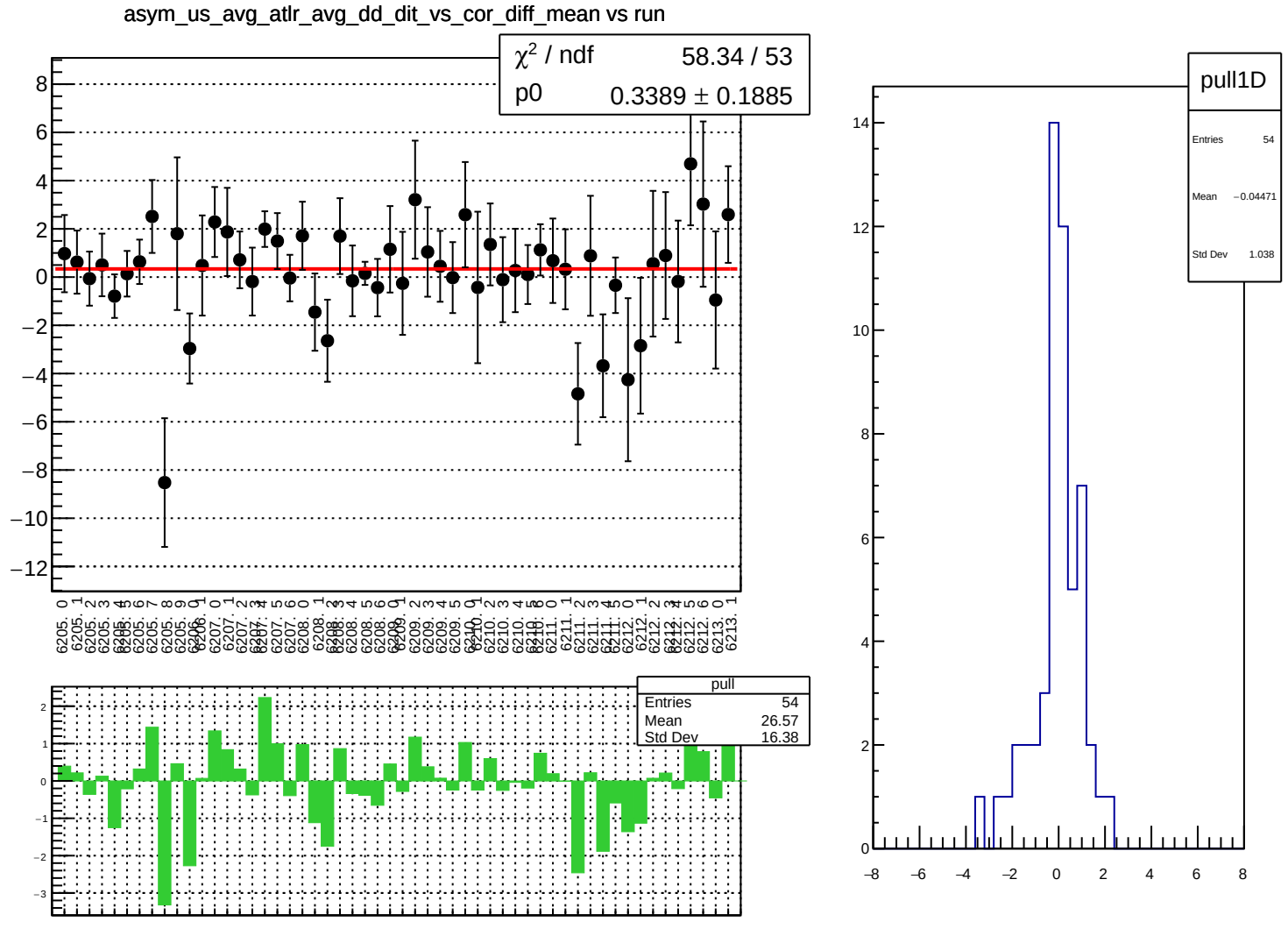

pull1D
Entries 54
Mean −0.003496
Std Dev 0.9437
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

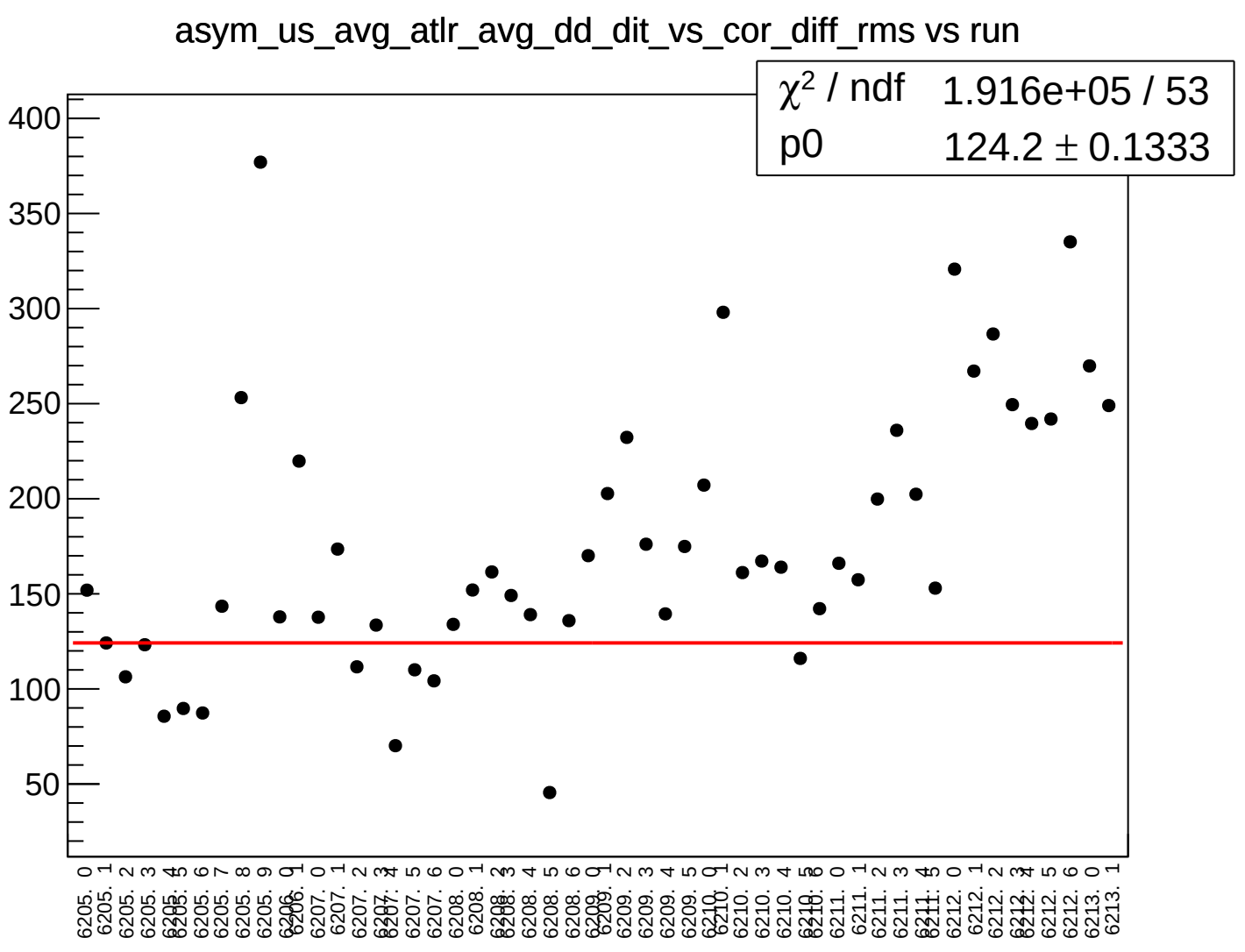

asym_us_avg_atlr_avg_dd_rms vs run
χ² / ndf 1424 / 53
p0 3730 ± 3.626
4200
4000
3800
3600
3400
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

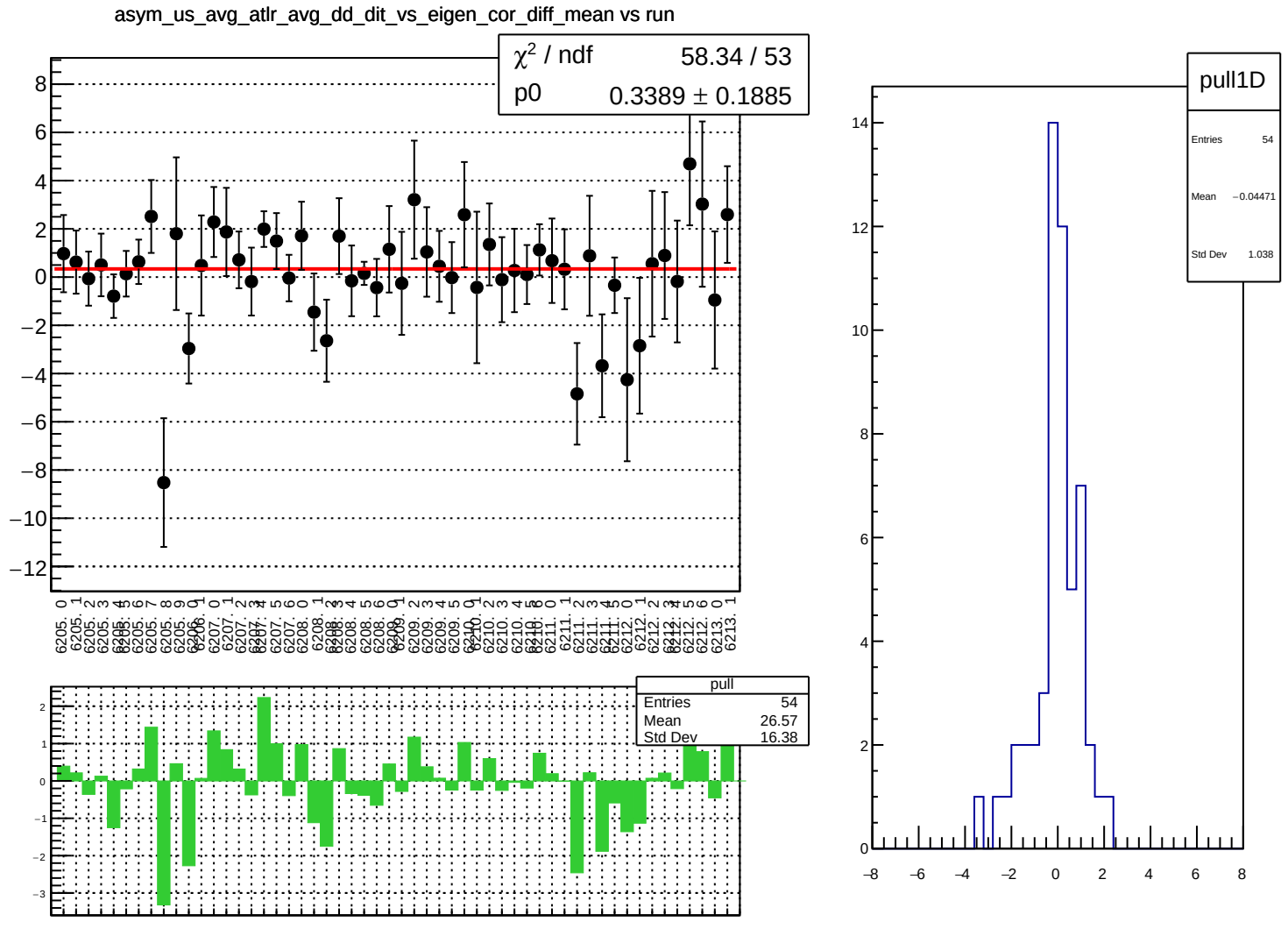

asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 51.48 / 53
p0 −5.677e−13 ± 5.676e−13
0.006
0.004
0.002
0
−0.002
−0.004
−0.006
−0.008
pull
Entries 54
Mean −1.664
Std Dev 0

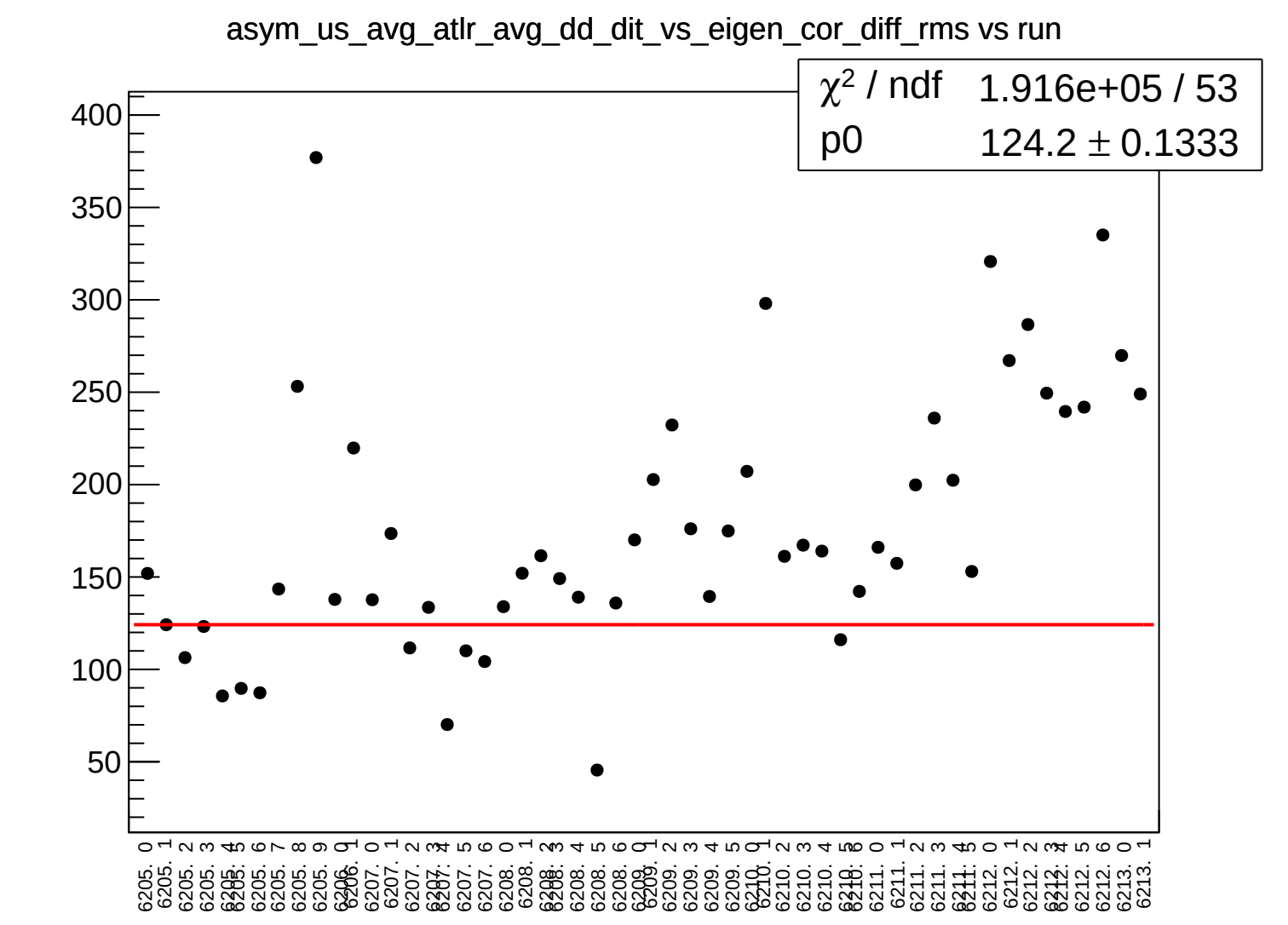

pull1D
Entries 54
Mean −0.02537
Std Dev 0.9761
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

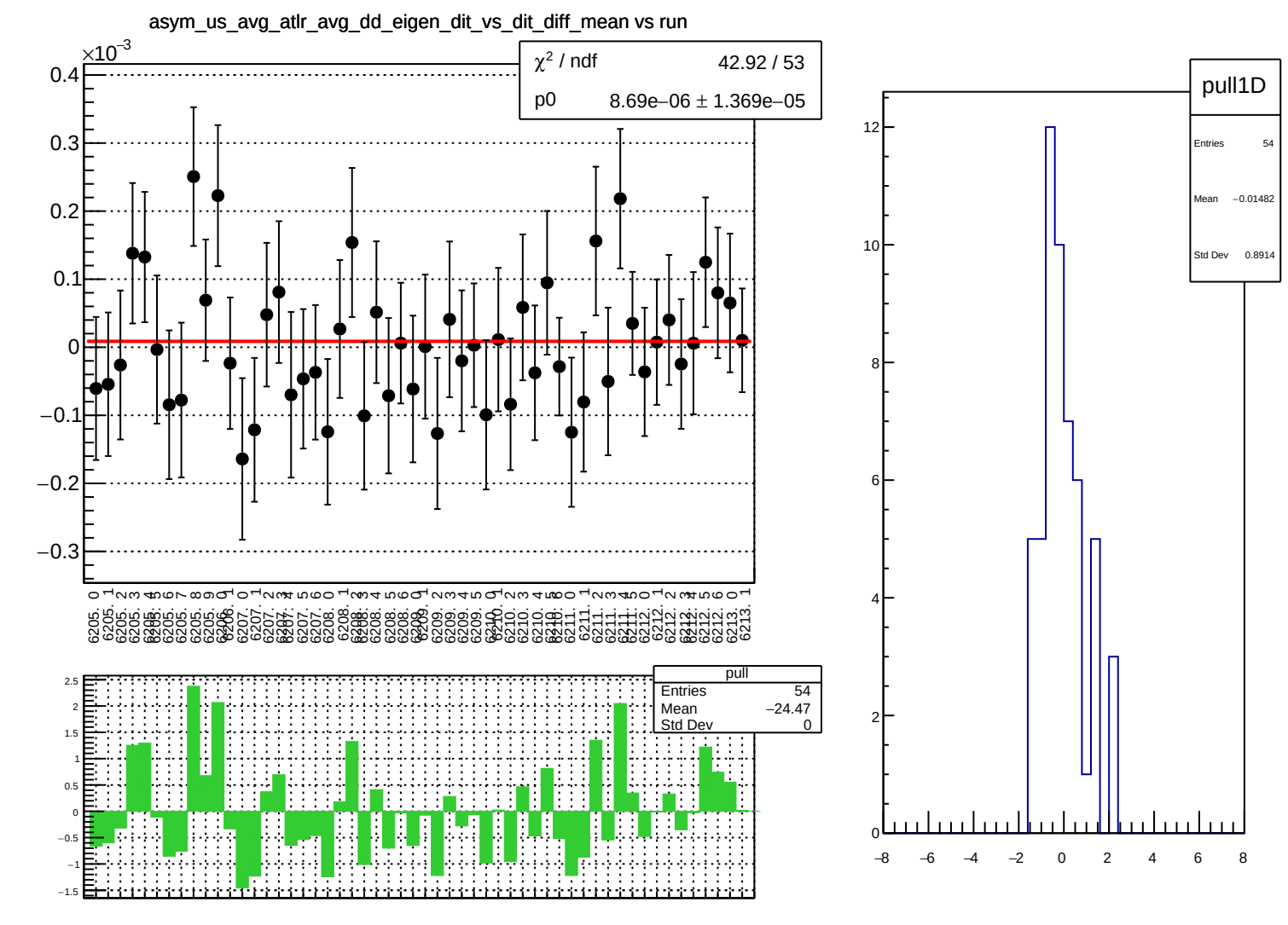

asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.19e+05 / 53
p0 2.664e−10 ± 4.013e−13
0.5
0.4
0.3
0.2
0.1
0
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 1
6207. 0
6207. 10
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

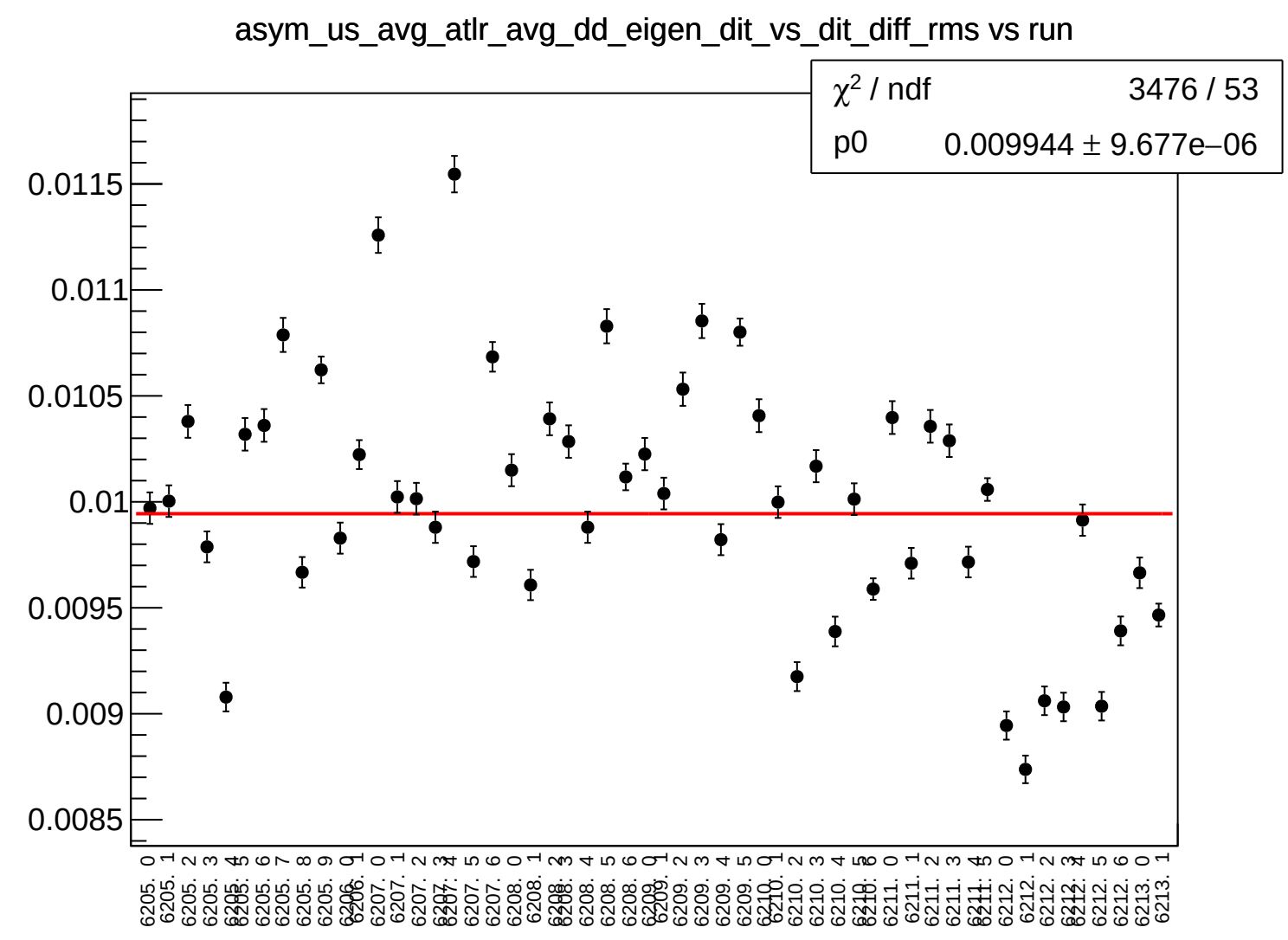

asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 58.34 / 53
p0 0.3389 ± 0.1885
pull
Entries 54
Mean 26.57
Std Dev 16.38
pull1D
Entries 54
Mean −0.04471
Std Dev 1.038

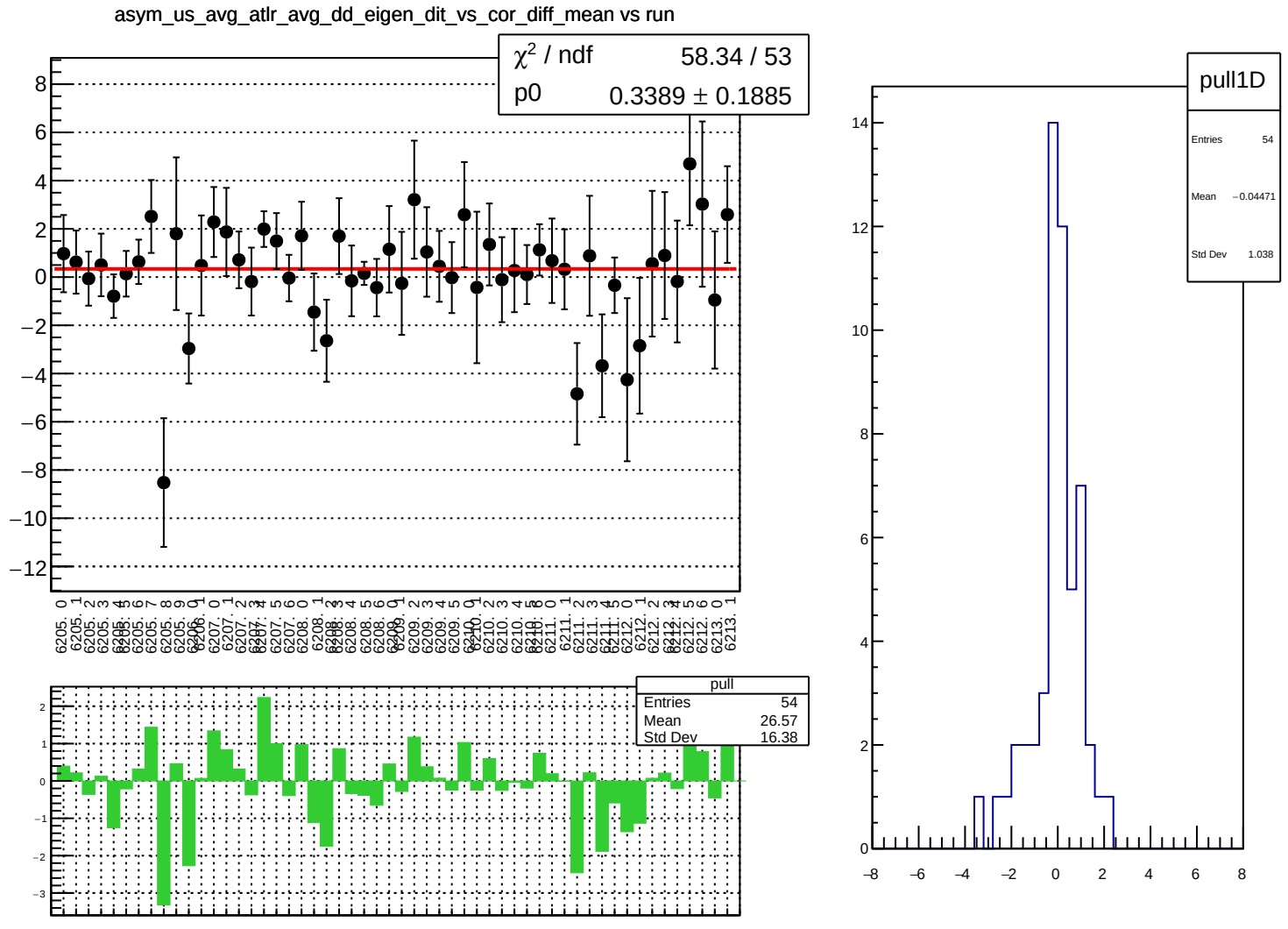

asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.916e+05 / 53
p0 124.2 ± 0.1333
400
350
300
250
200
150
100
50
6205. 0
6205. 1
6205. 2
6205. 3
6205. 7
6205. 8
6205. 9
6206. 1
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 5
6208. 6
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 1
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

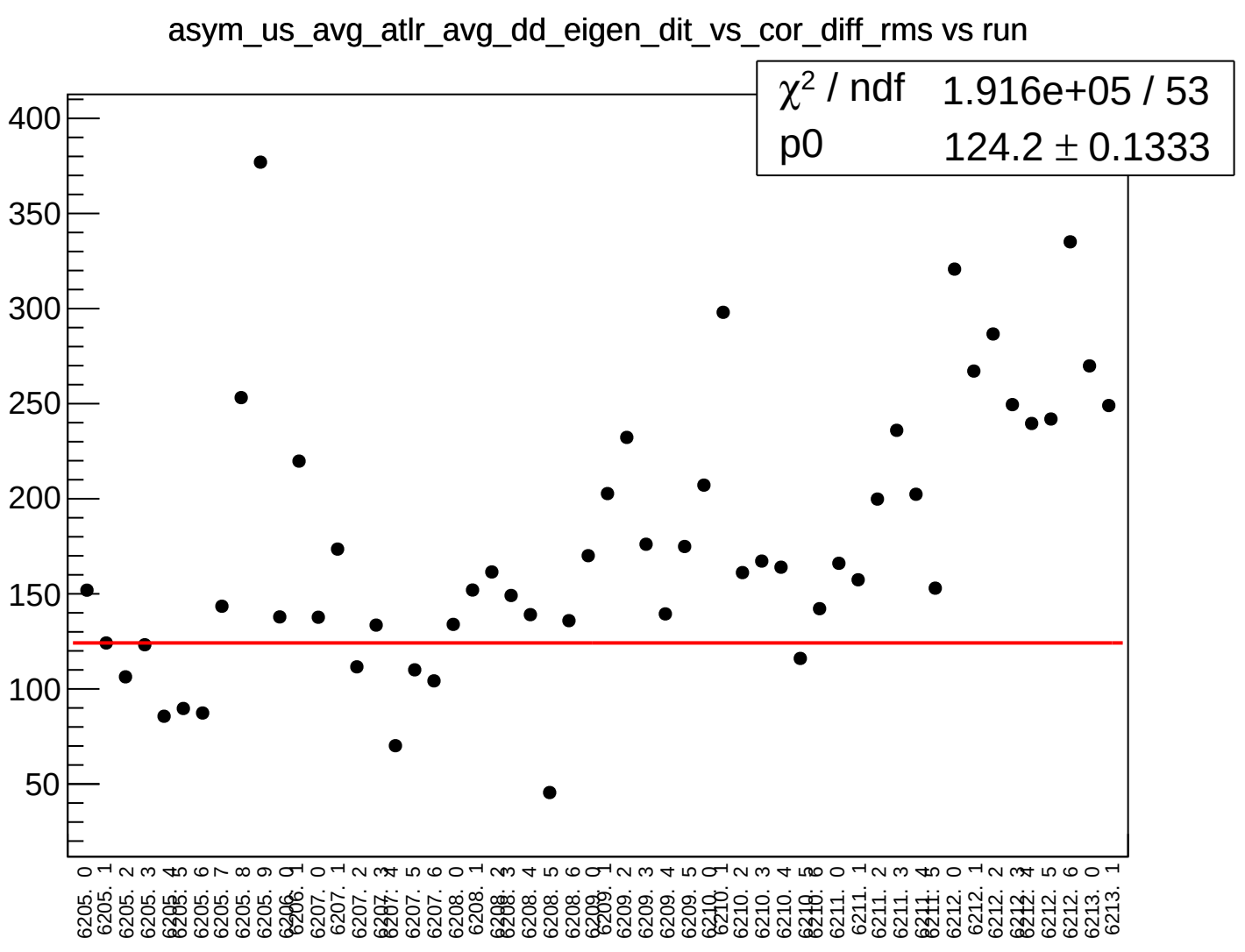

asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 58.34 / 53
p0 0.3389 ± 0.1885
pull
Entries 54
Mean 26.57
Std Dev 16.38
pull1D
Entries 54
Mean −0.04471
Std Dev 1.038

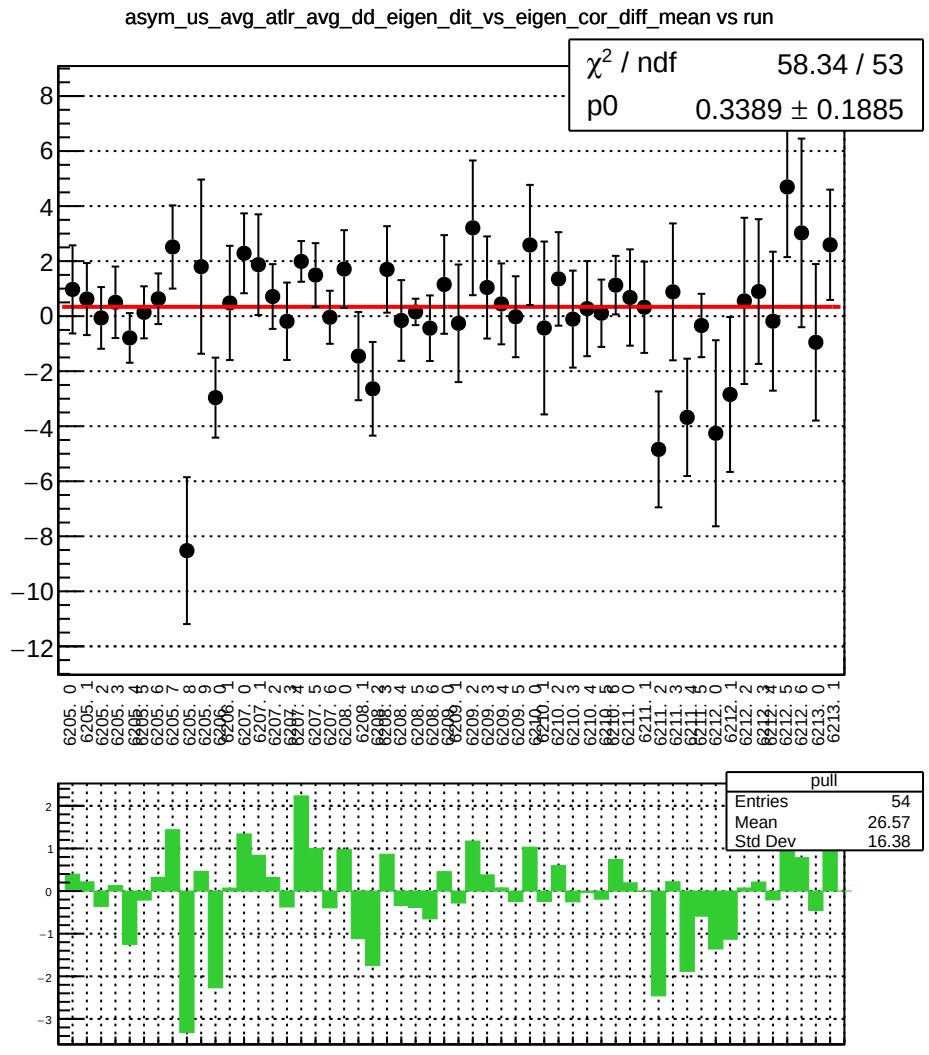

asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.916e+05 / 53
p0 124.2 ± 0.1333
400
350
300
250
200
150
100
50
6205. 0
6205. 1
6205. 2
6205. 3
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 1
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

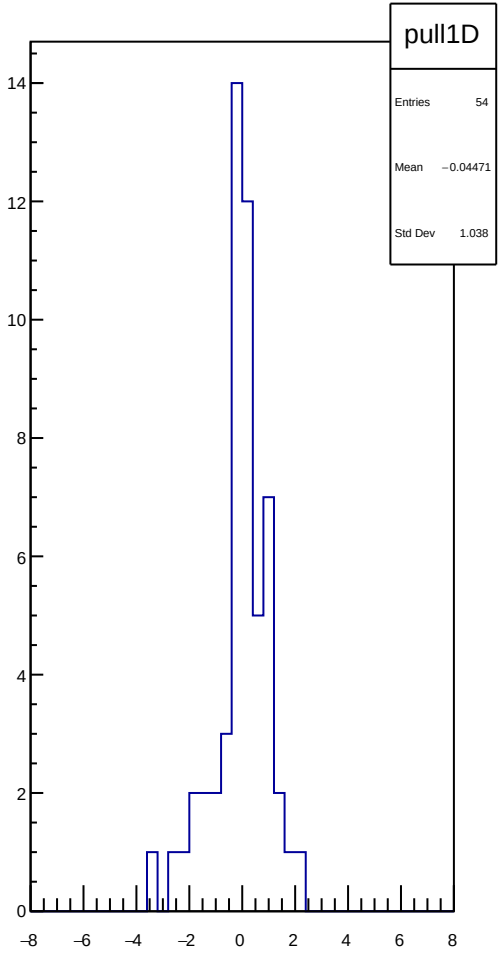

asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 42.92 / 53
p0 8.69e−06 ± 1.369e−05
pull
Entries 54
Mean −24.47
Std Dev 0
pull1D
Entries 54
Mean −0.01482
Std Dev 0.8914

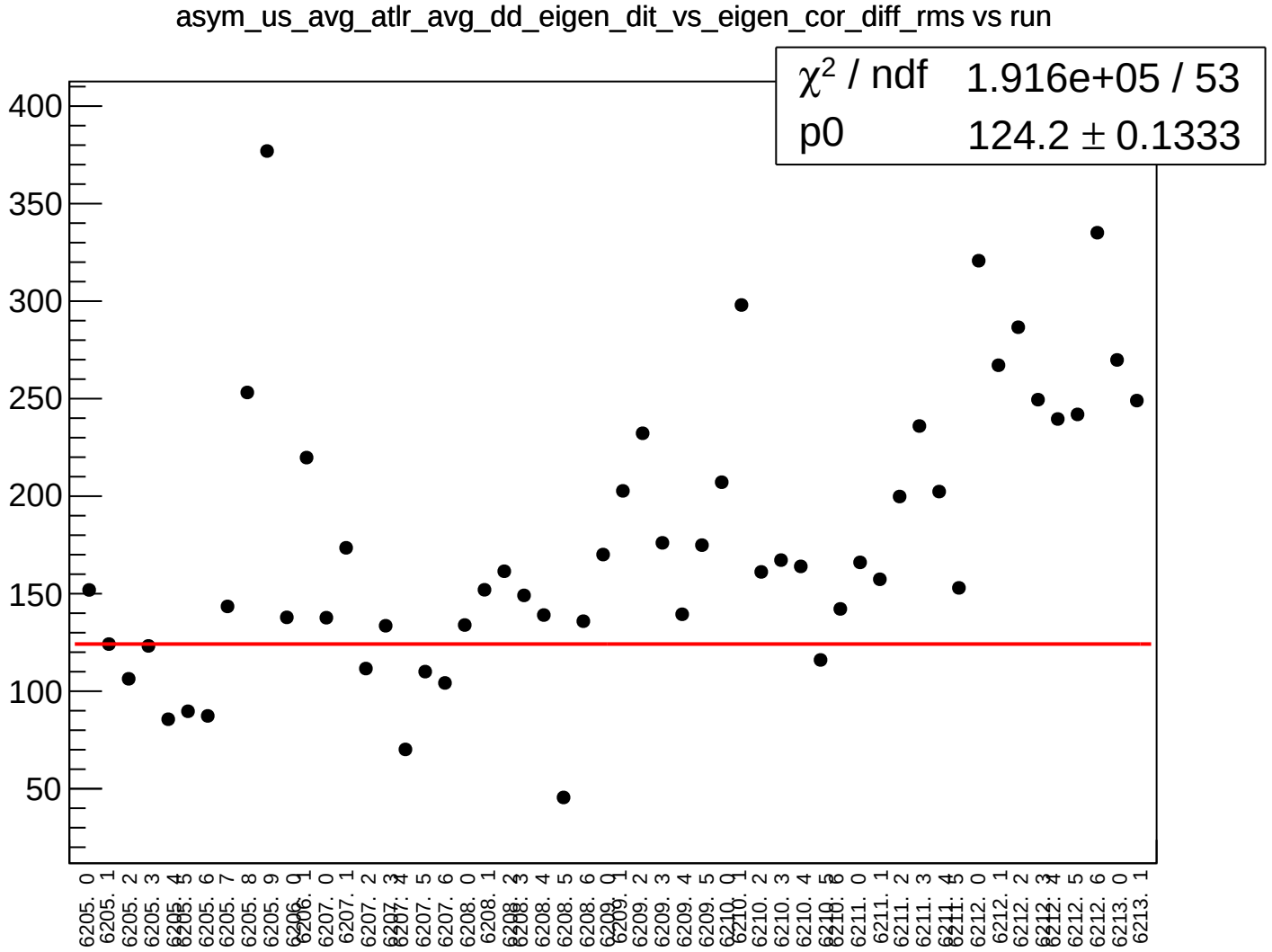

asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3476 / 53
p0 0.009944 ± 9.677e−06
0.0115
0.011
0.0105
0.01
0.0095
0.009
0.0085

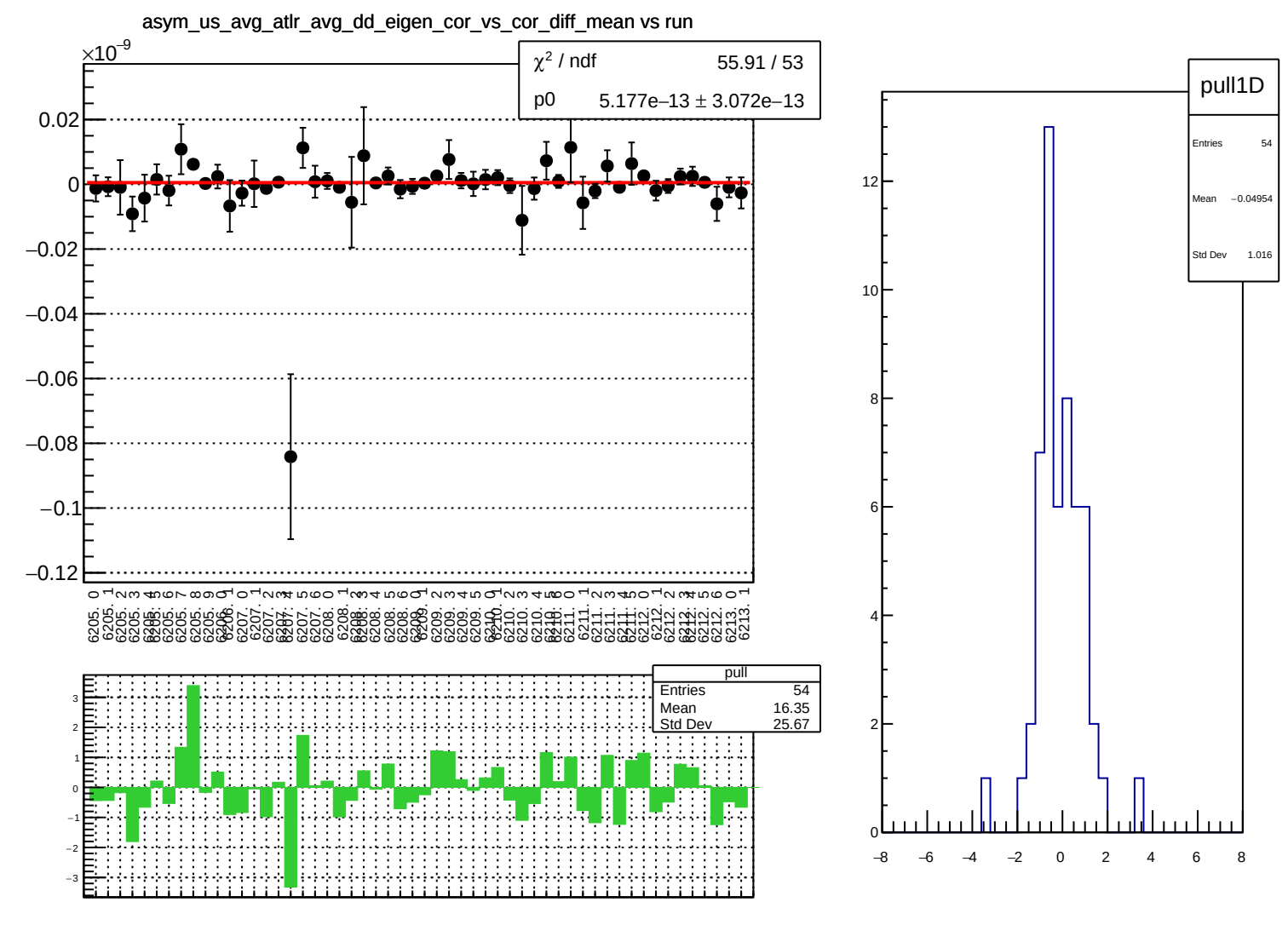

asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 58.34 / 53
p0 0.3389 ± 0.1885
pull
Entries 54
Mean 26.57
Std Dev 16.38
pull1D
Entries 54
Mean −0.04471
Std Dev 1.038

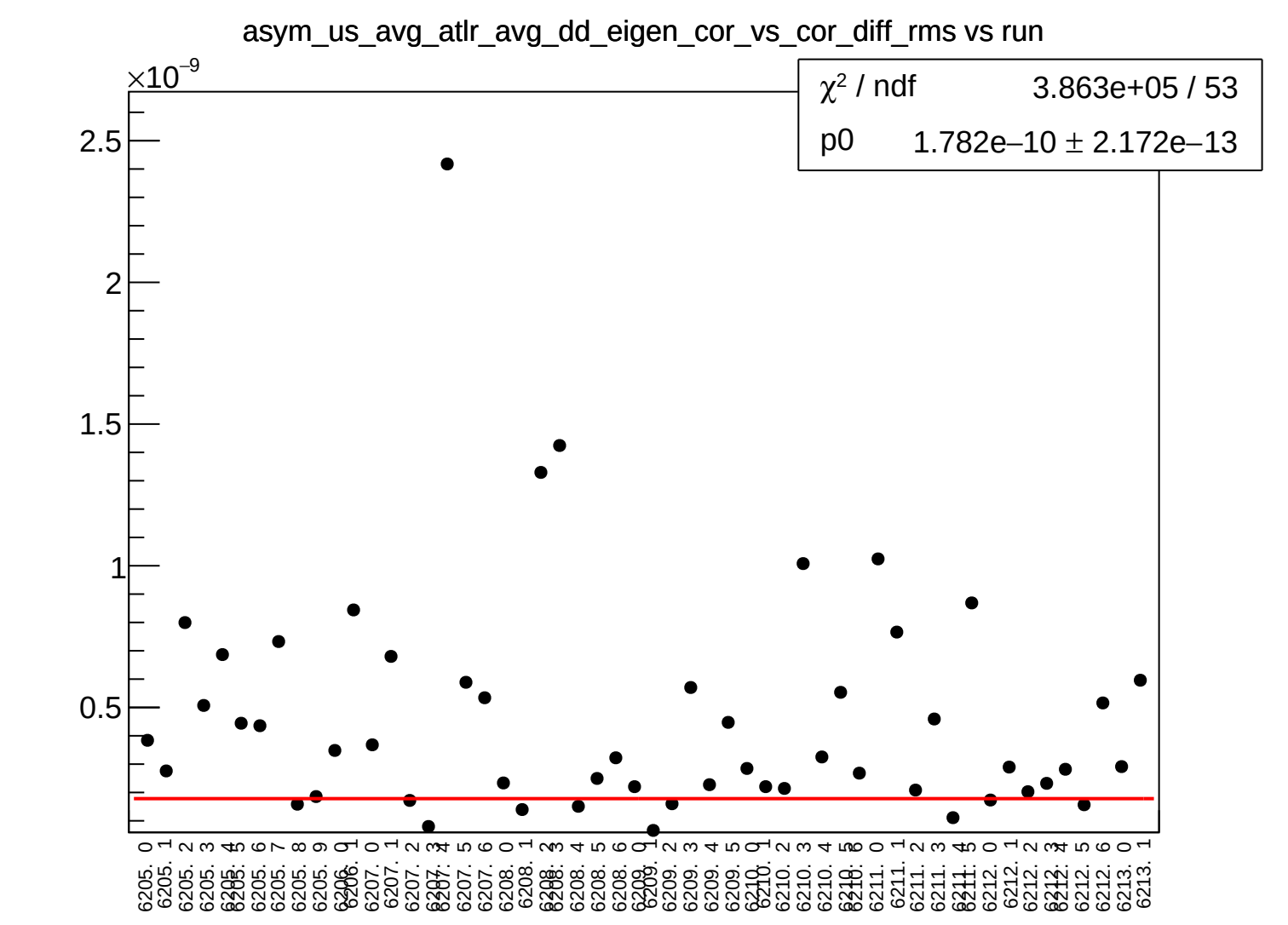

asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.916e+05 / 53
p0 124.2 ± 0.1333
400
350
300
250
200
150
100
50
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

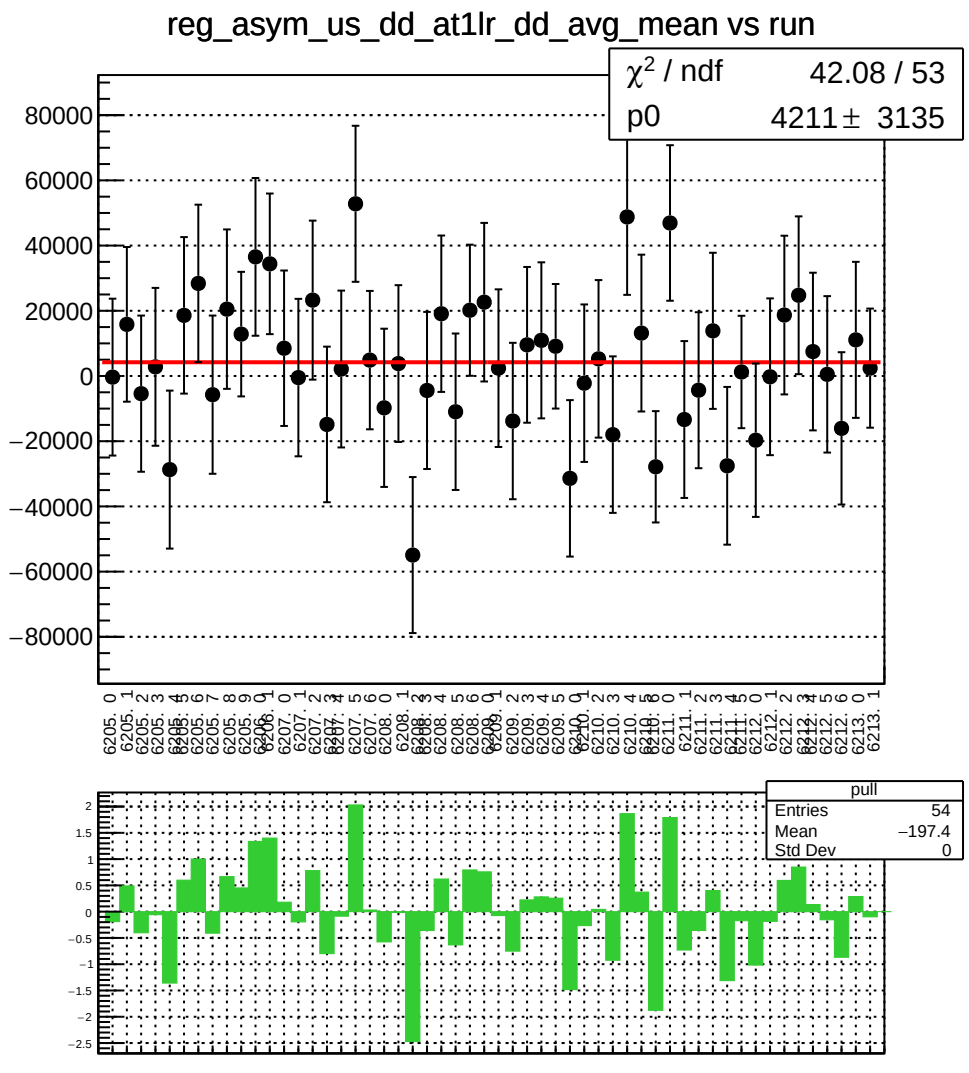

asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 58.34 / 53
p0 0.3389 ± 0.1885
pull
Entries 54
Mean 26.57
Std Dev 16.38

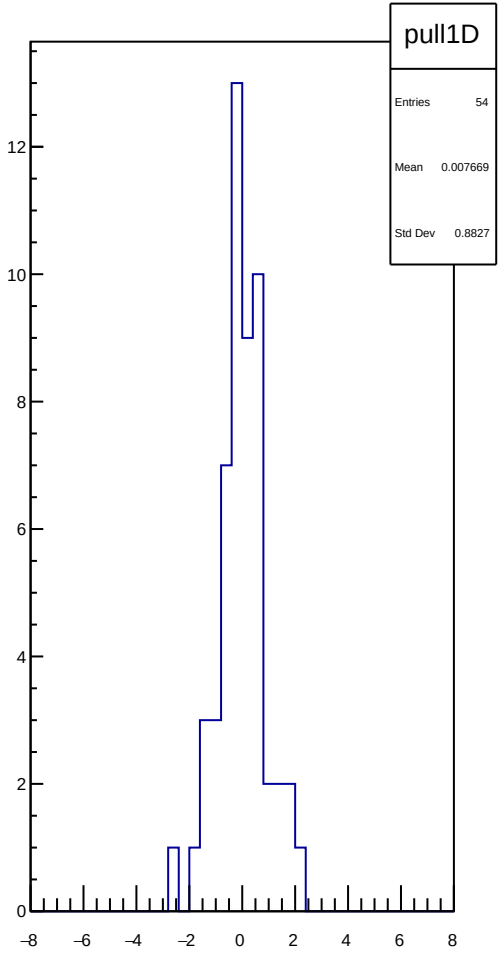

pull1D
Entries 54
Mean −0.04471
Std Dev 1.038

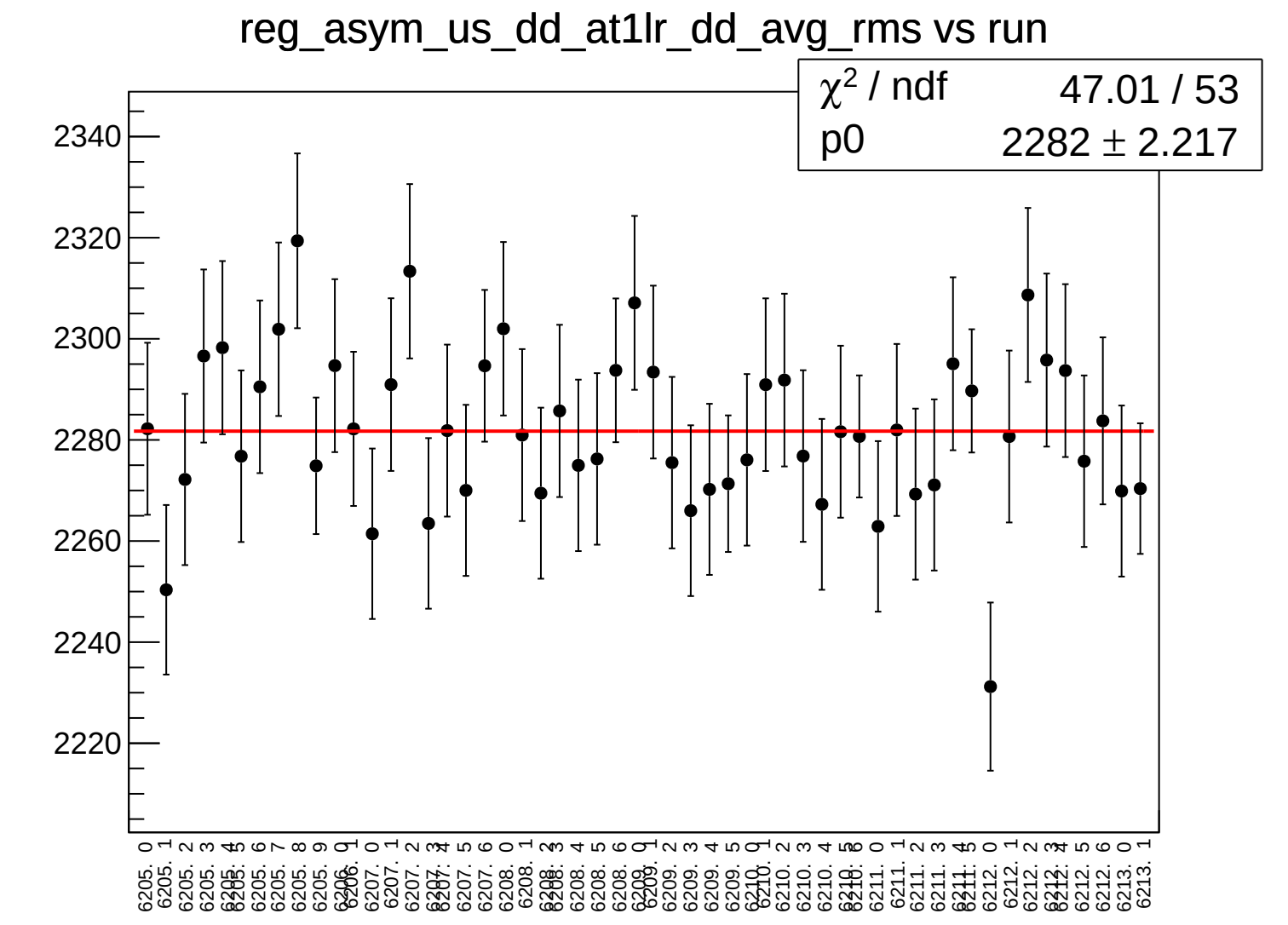

asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.916e+05 / 53
p0 124.2 ± 0.1333
400
350
300
250
200
150
100
50
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

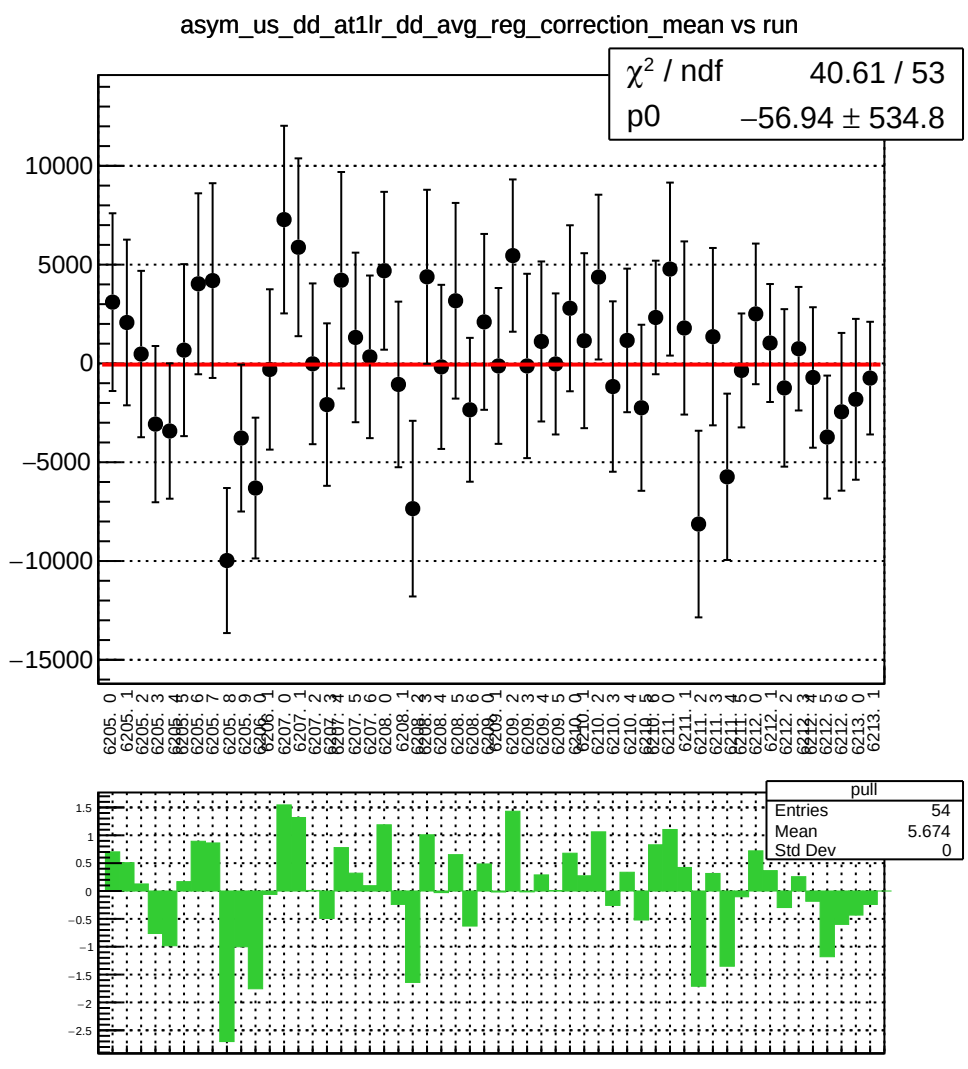

asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻⁹
χ² / ndf 55.91 / 53
p0 5.177e−13 ± 3.072e−13
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
pull
Entries 54
Mean 16.35
Std Dev 25.67
3
2
1
0
−1
−2
−3
pull1D
Entries 54
Mean −0.04954
Std Dev 1.016
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

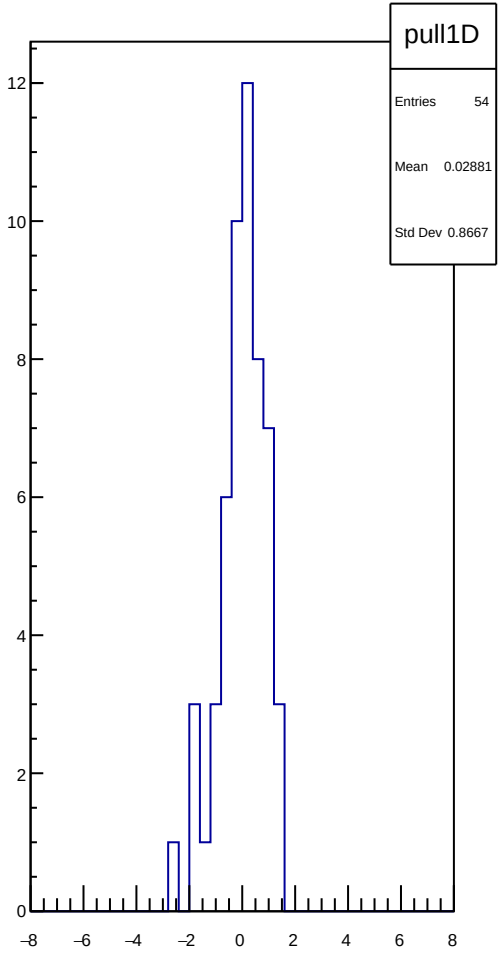

asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.863e+05 / 53
p0 1.782e−10 ± 2.172e−13
2.5
2
1.5
1
0.5
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

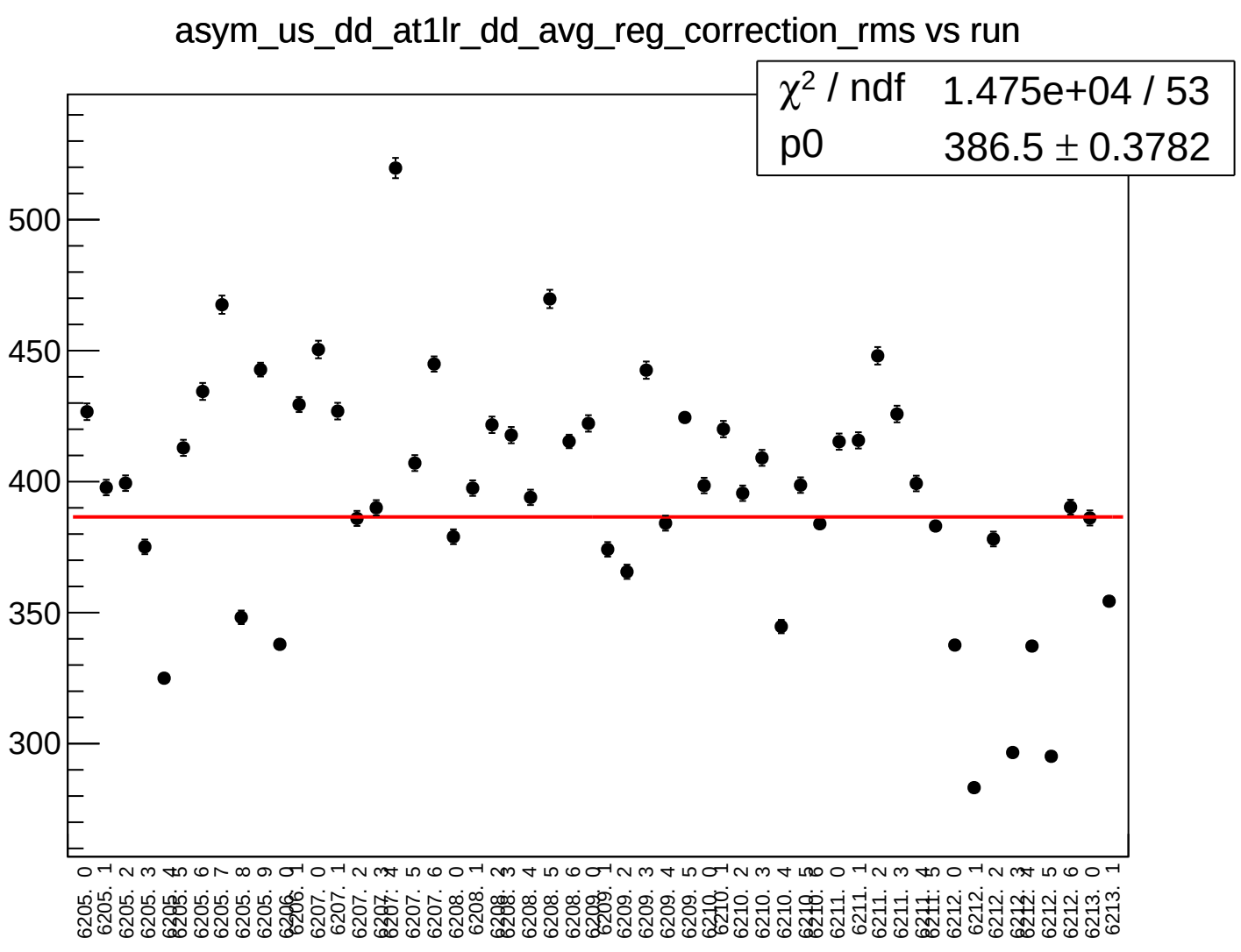

reg_asym_us_dd_at1lr_dd_avg_mean vs run
χ² / ndf 42.08 / 53
p0 4211 ± 3135
pull
Entries 54
Mean −197.4
Std Dev 0

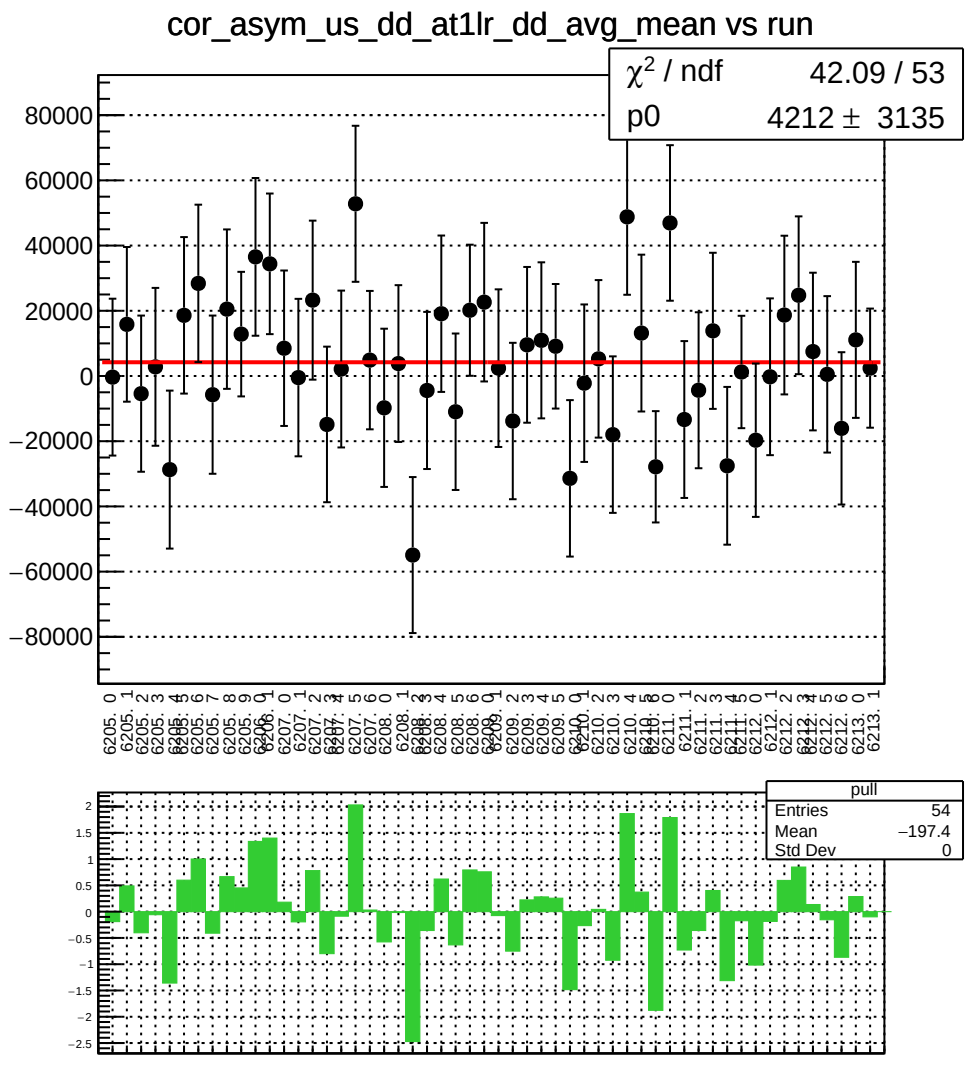

pull1D
Entries 54
Mean 0.007669
Std Dev 0.8827

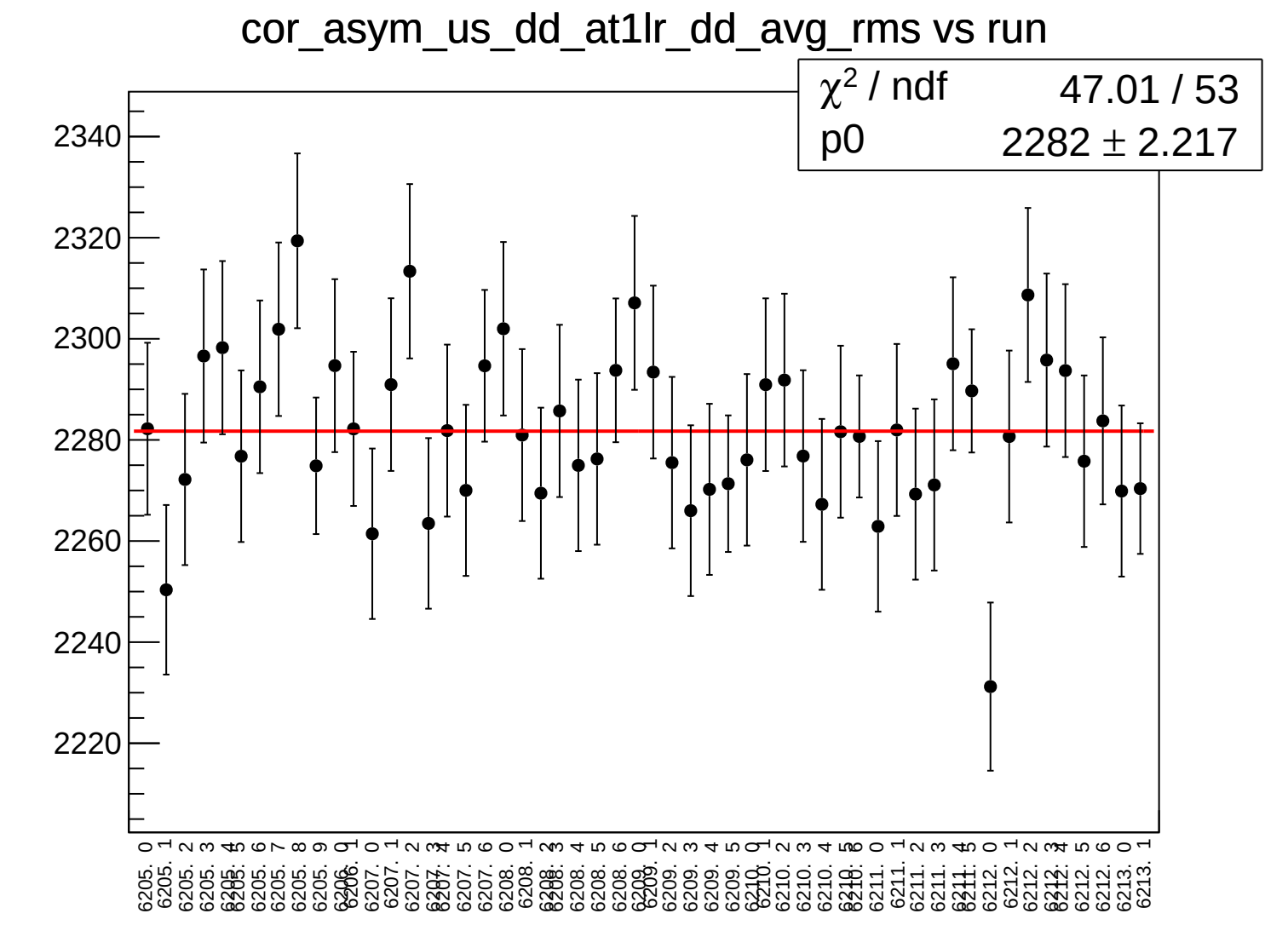

reg_asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 47.01 / 53
p0 2282 ± 2.217
2340
2320
2300
2280
2260
2240
2220
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

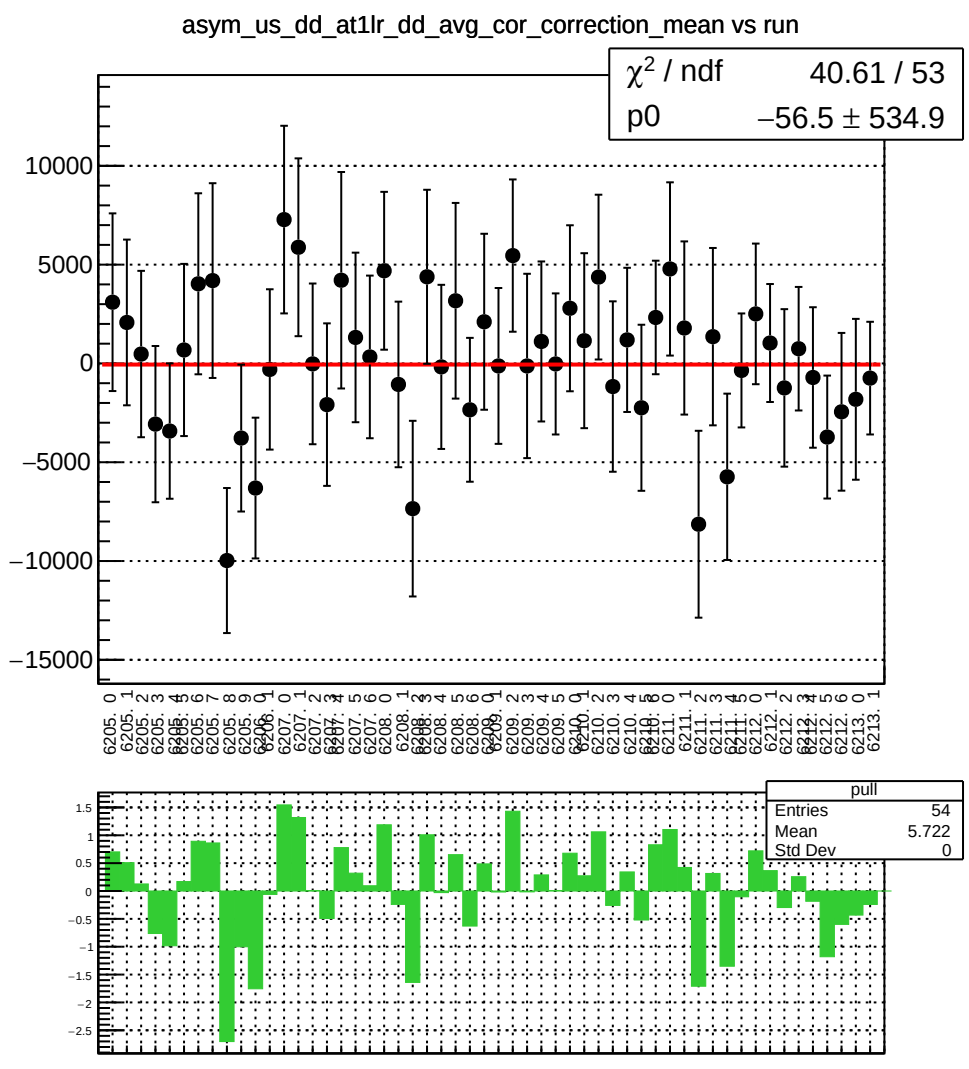

asym_us_dd_at1lr_dd_avg_reg_correction_mean vs run
χ² / ndf 40.61 / 53
p0 −56.94 ± 534.8
10000
5000
0
−5000
−10000
−15000
pull
Entries 54
Mean 5.674
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

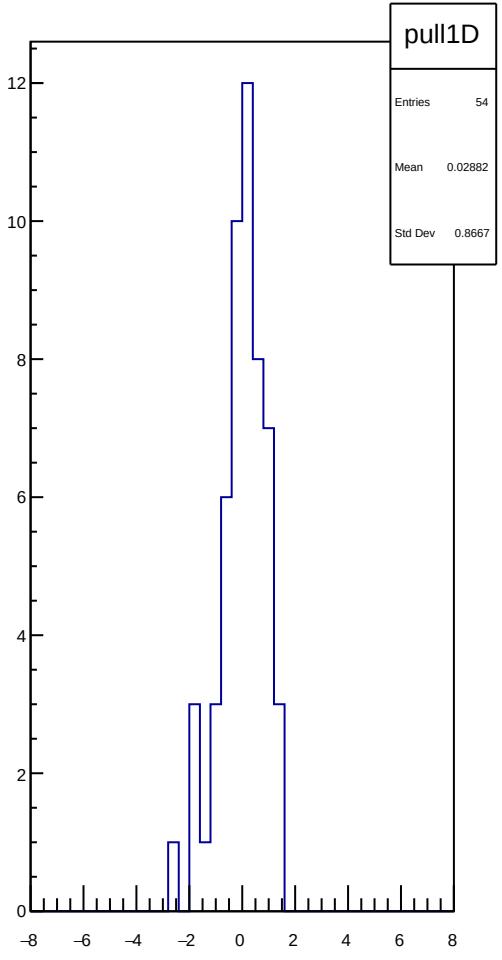

pull1D
Entries 54
Mean 0.02881
Std Dev 0.8667
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

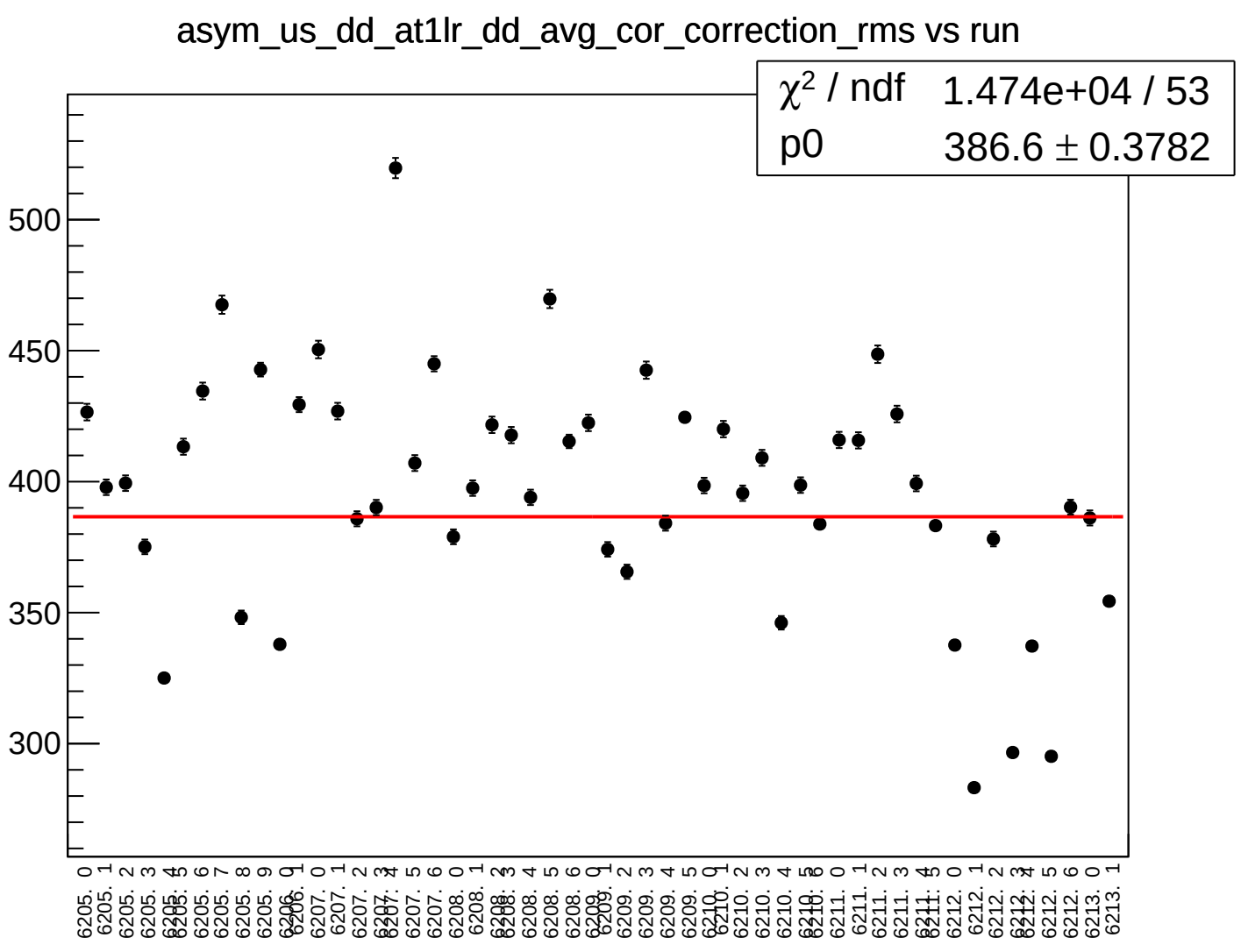

asym_us_dd_at1lr_dd_avg_reg_correction_rms vs run
χ² / ndf 1.475e+04 / 53
p0 386.5 ± 0.3782
500
450
400
350
300
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

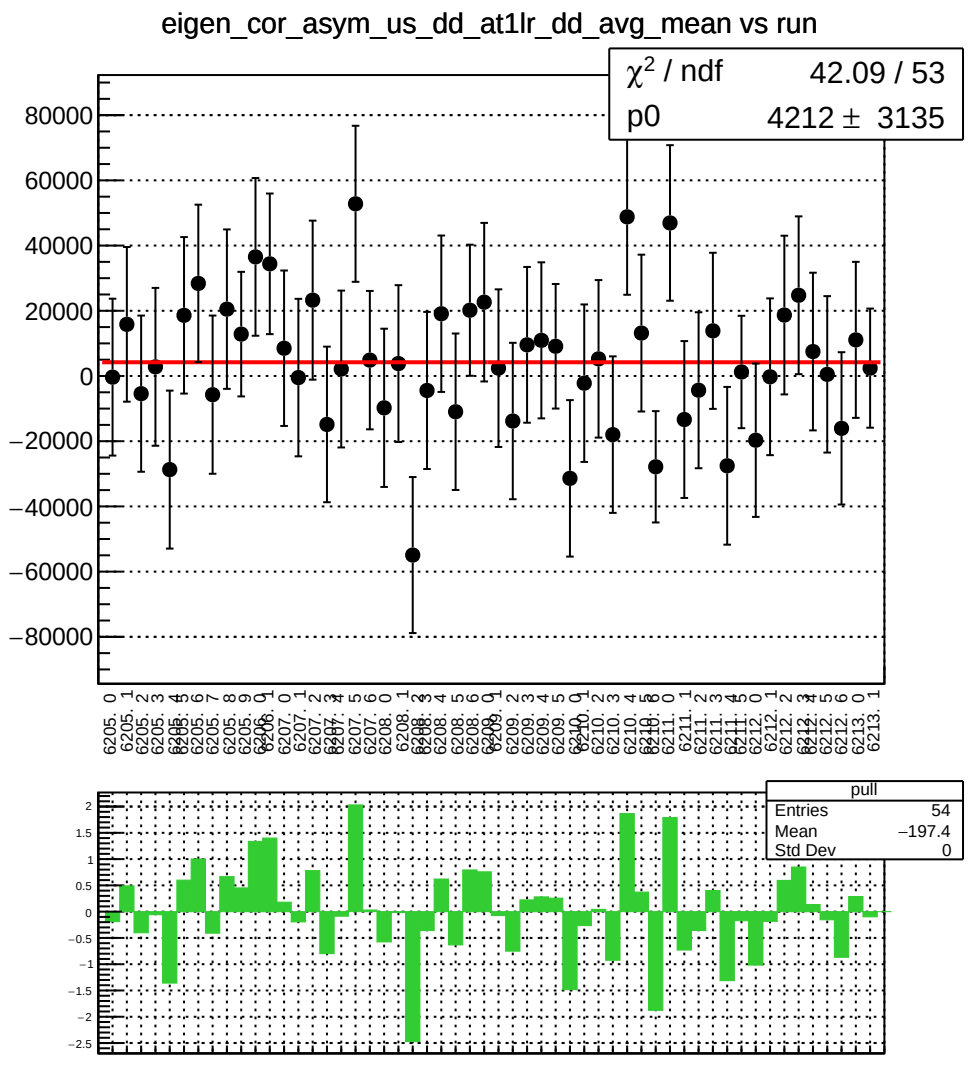

cor_asym_us_dd_at1lr_dd_avg_mean vs run
χ² / ndf 42.09 / 53
p0 4212 ± 3135
pull
Entries 54
Mean −197.4
Std Dev 0
pull1D
Entries 54
Mean 0.00767
Std Dev 0.8828

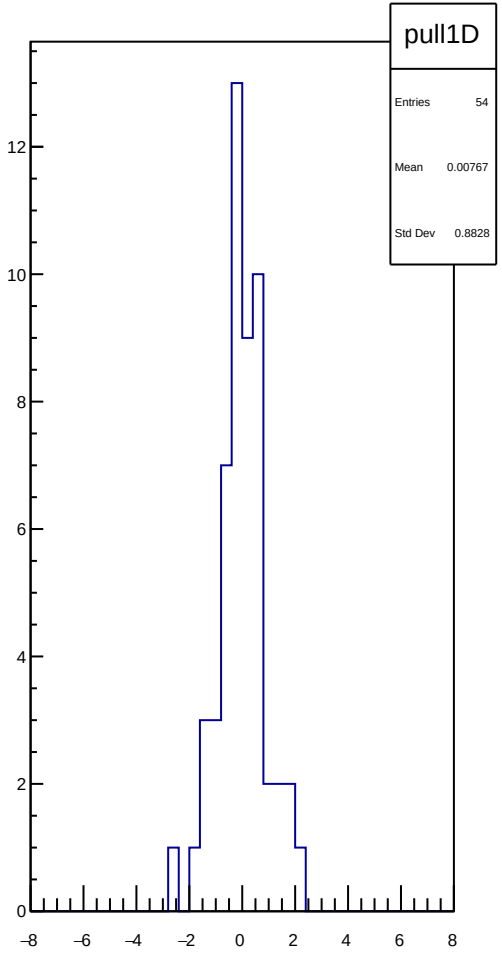

cor_asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 47.01 / 53
p0 2282 ± 2.217
2340
2320
2300
2280
2260
2240
2220
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

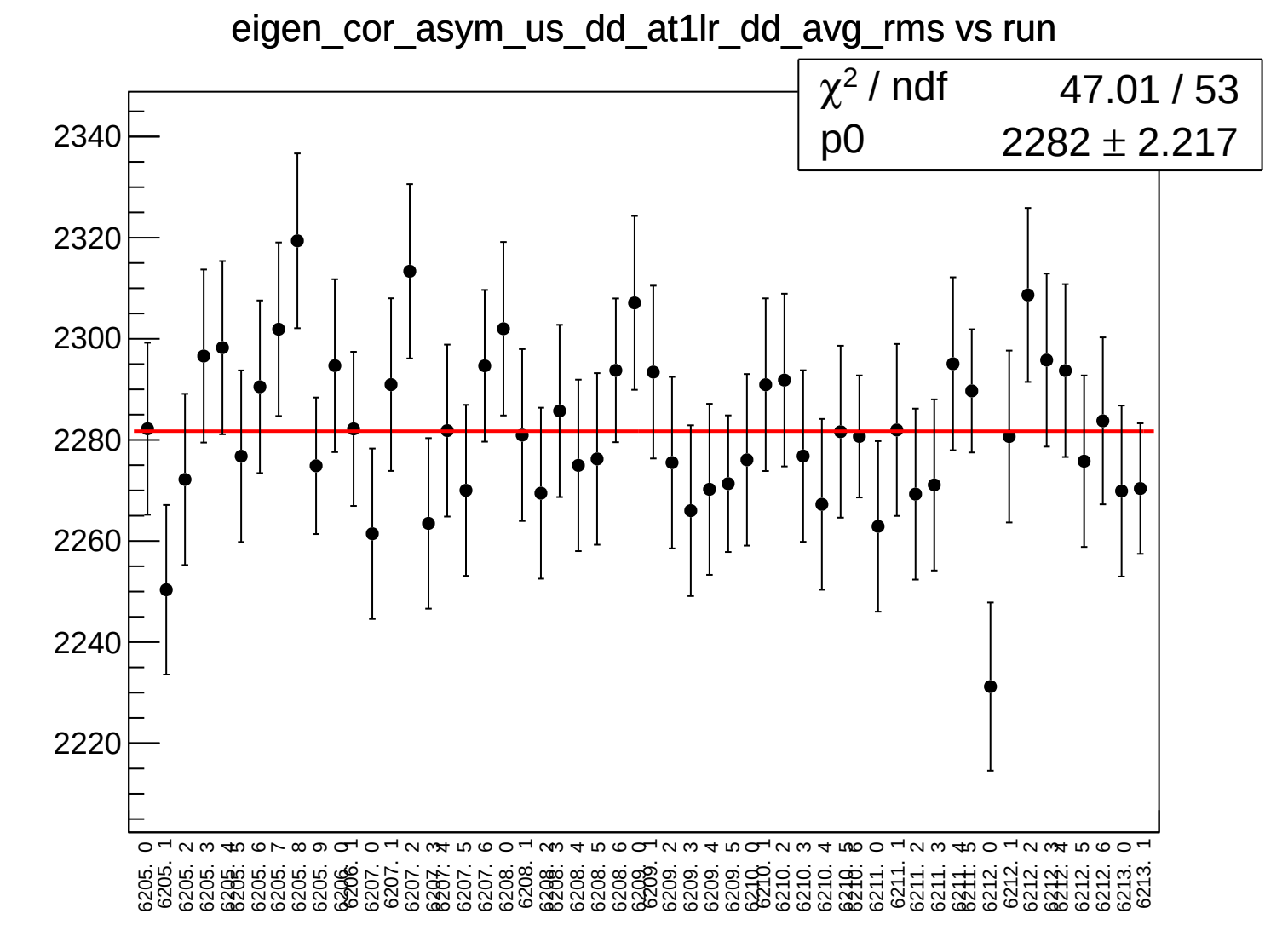

asym_us_dd_at1lr_dd_avg_cor_correction_mean vs run
χ² / ndf 40.61 / 53
p0 −56.5 ± 534.9
10000
5000
0
−5000
−10000
−15000
pull
Entries 54
Mean 5.722
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

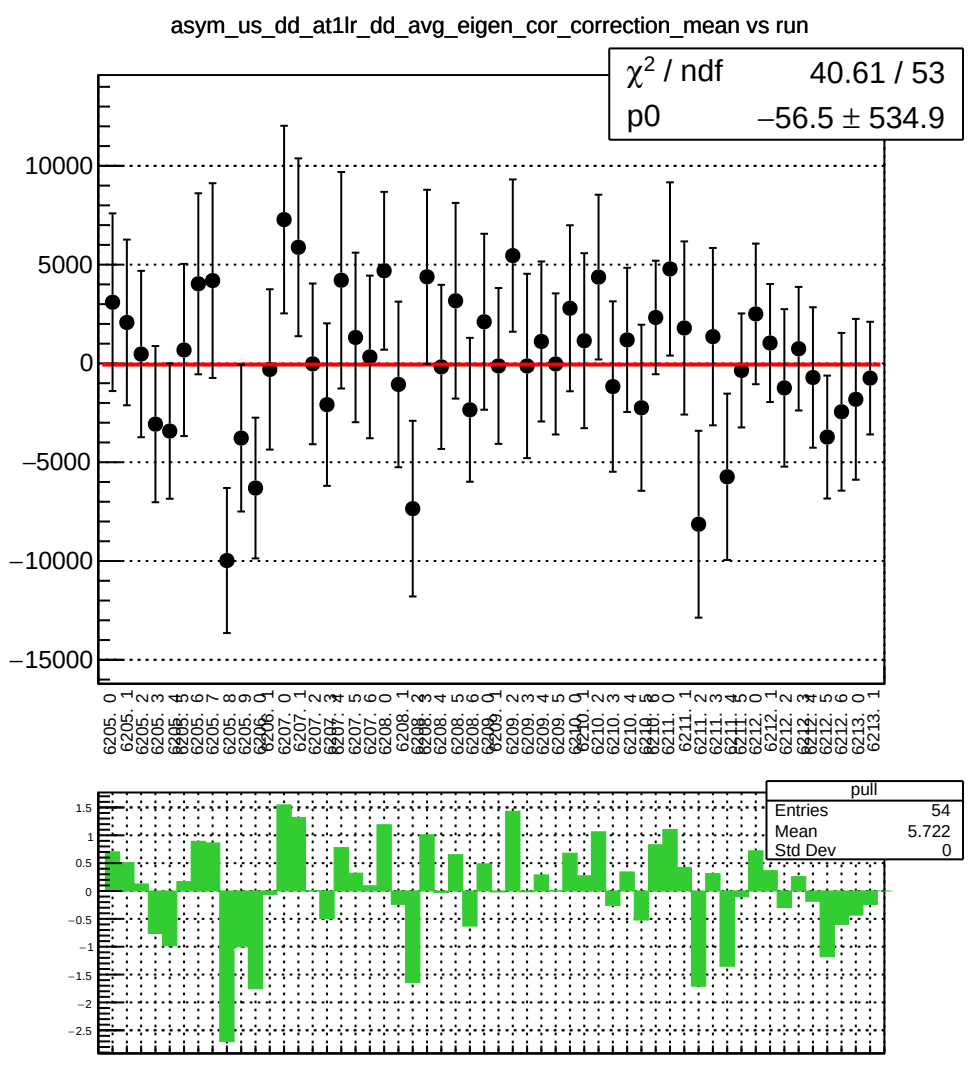

pull1D
Entries 54
Mean 0.02882
Std Dev 0.8667
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

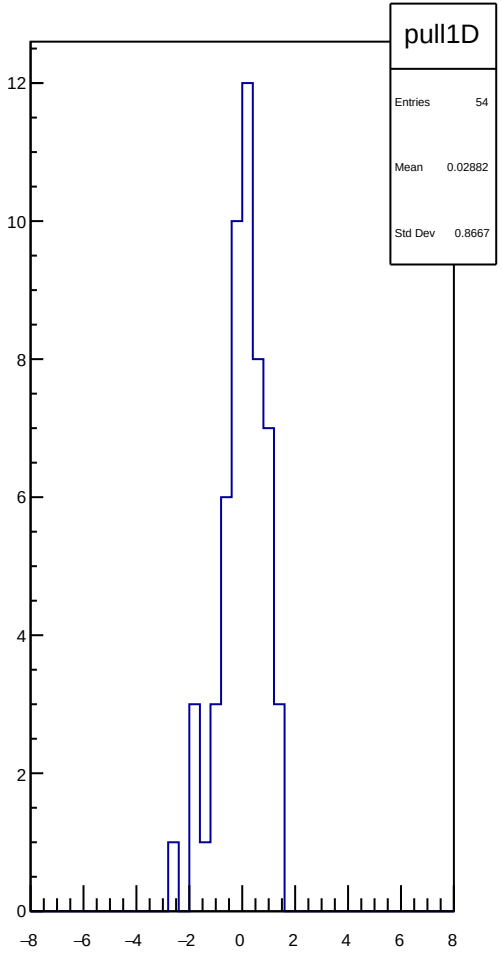

asym_us_dd_at1lr_dd_avg_cor_correction_rms vs run
χ² / ndf 1.474e+04 / 53
p0 386.6 ± 0.3782
500
450
400
350
300
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

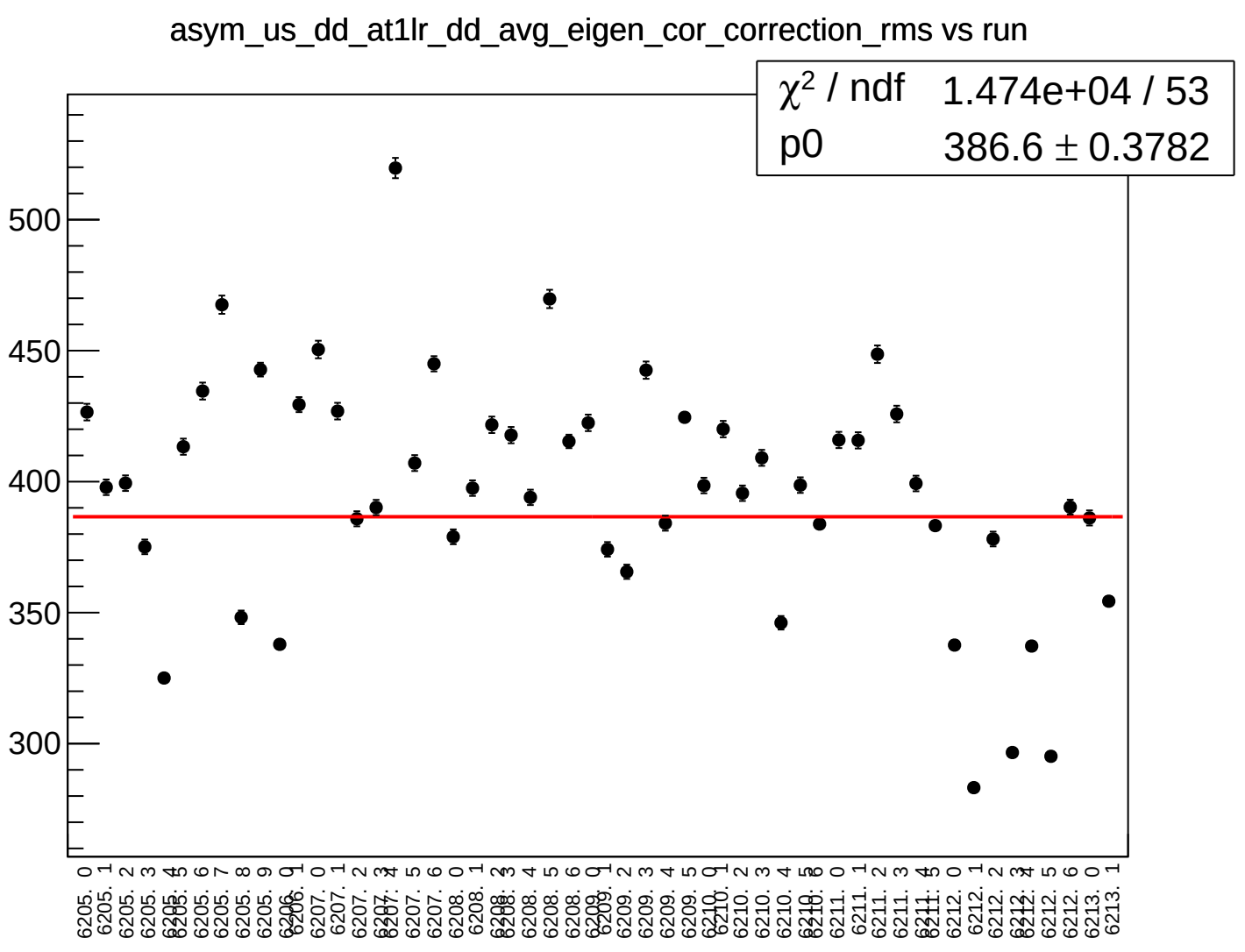

eigen_cor_asym_us_dd_at1lr_dd_avg_mean vs run
χ² / ndf 42.09 / 53
p0 4212 ± 3135
pull
Entries 54
Mean −197.4
Std Dev 0

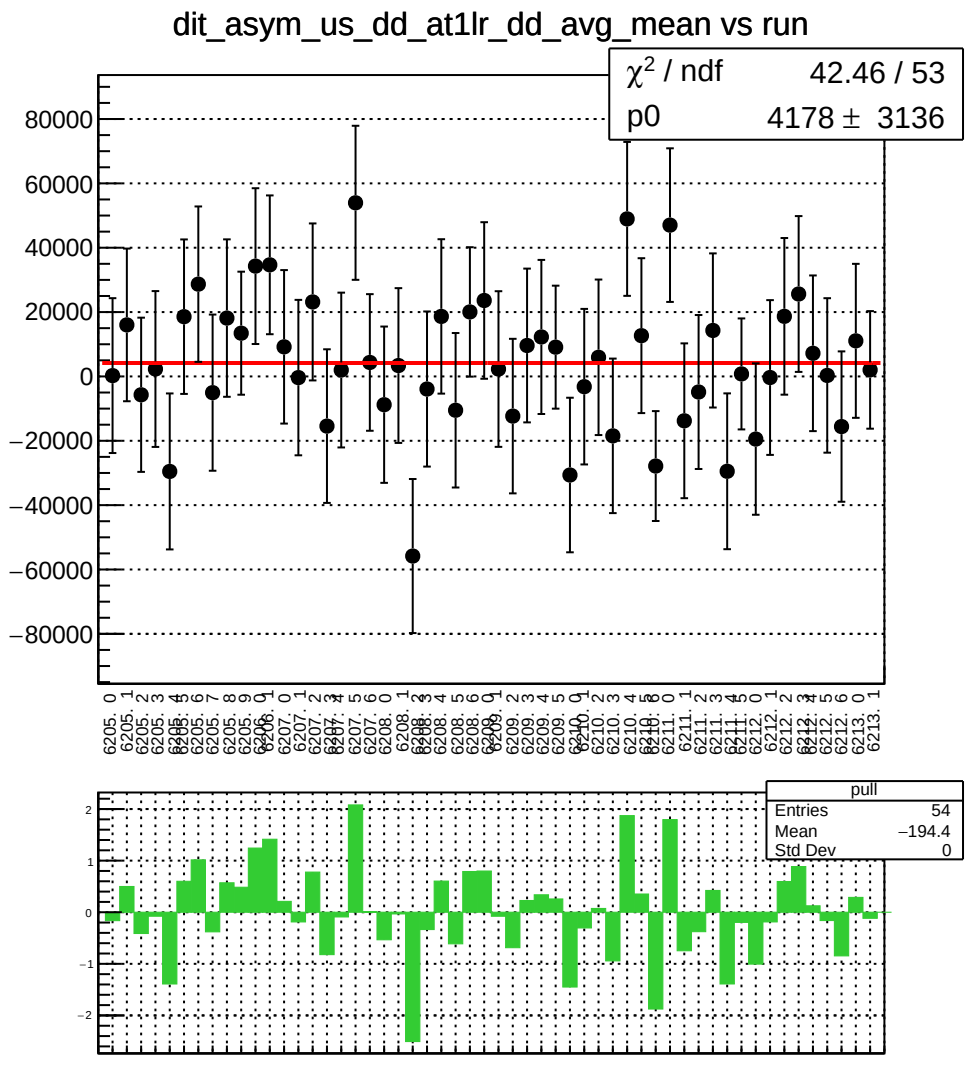

pull1D
Entries 54
Mean 0.00767
Std Dev 0.8828

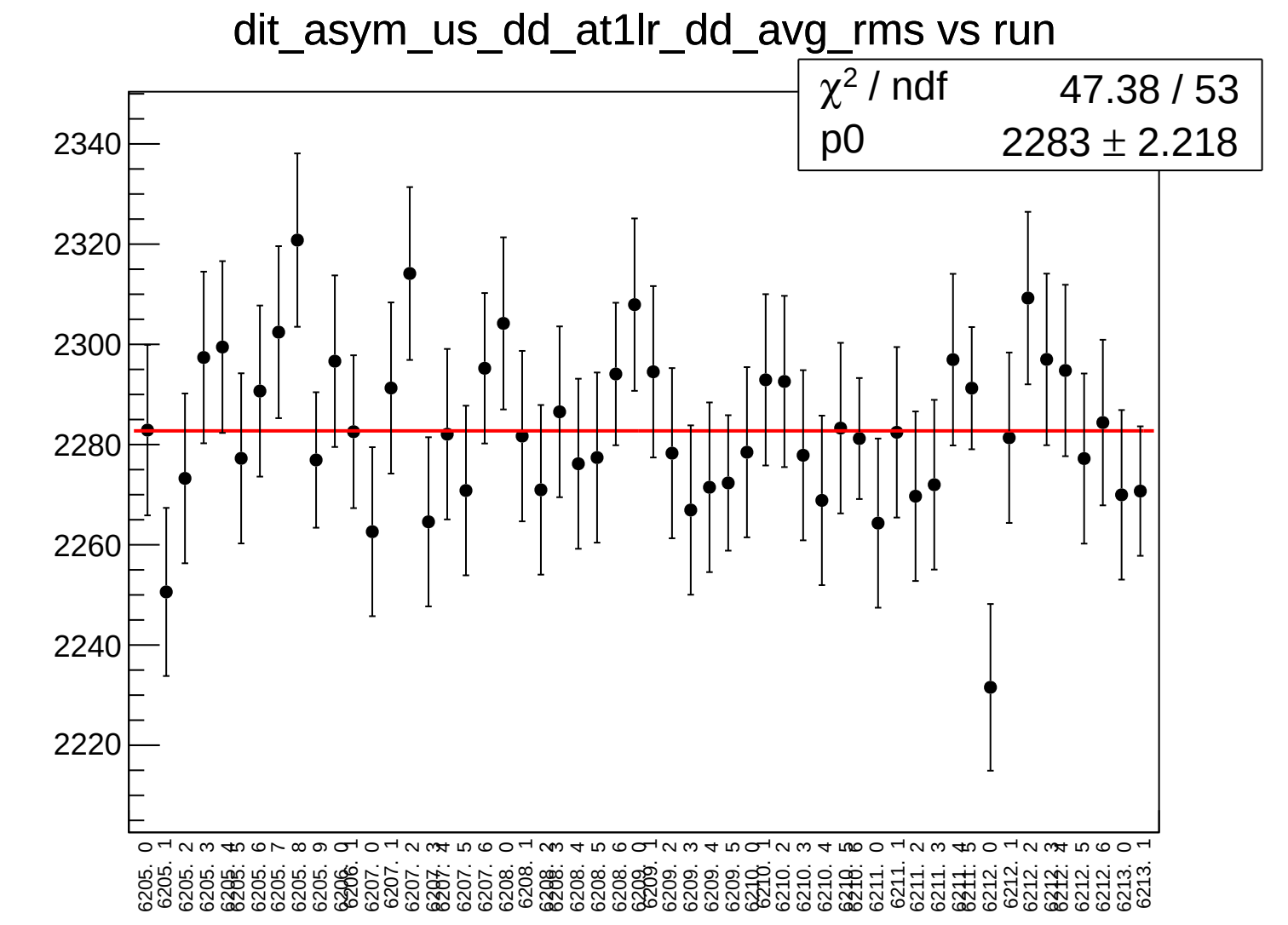

eigen_cor_asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 47.01 / 53
p0 2282 ± 2.217
2340
2320
2300
2280
2260
2240
2220
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

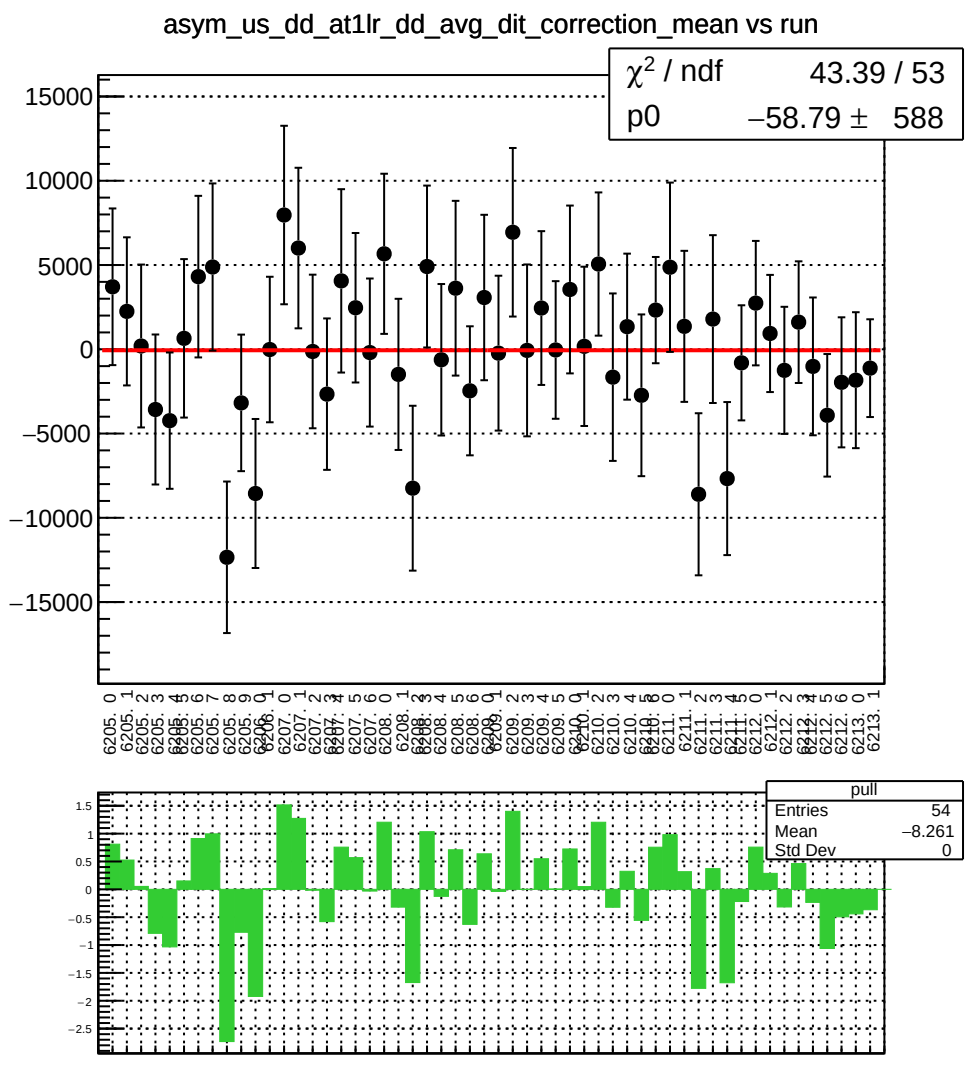

asym_us_dd_at1lr_dd_avg_eigen_cor_correction_mean vs run
χ² / ndf 40.61 / 53
p0 −56.5 ± 534.9
10000
5000
0
−5000
−10000
−15000
pull
Entries 54
Mean 5.722
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

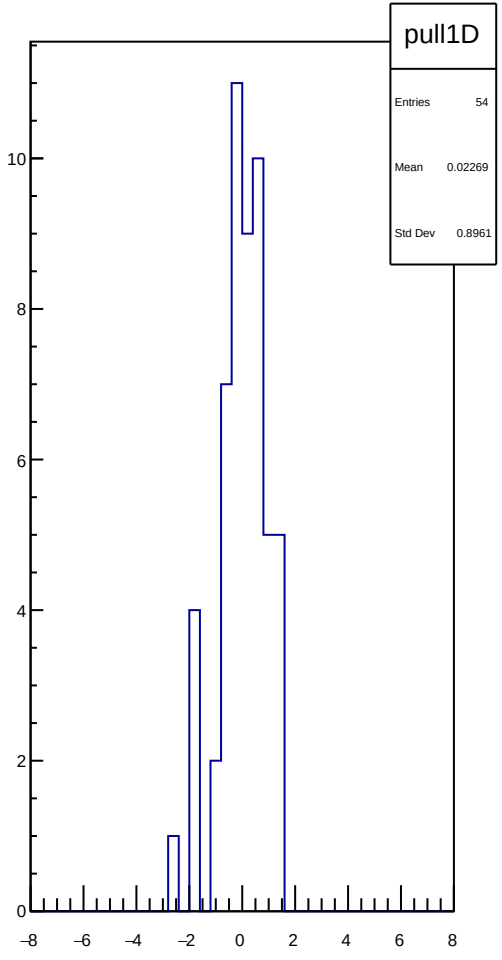

pull1D
Entries 54
Mean 0.02882
Std Dev 0.8667
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

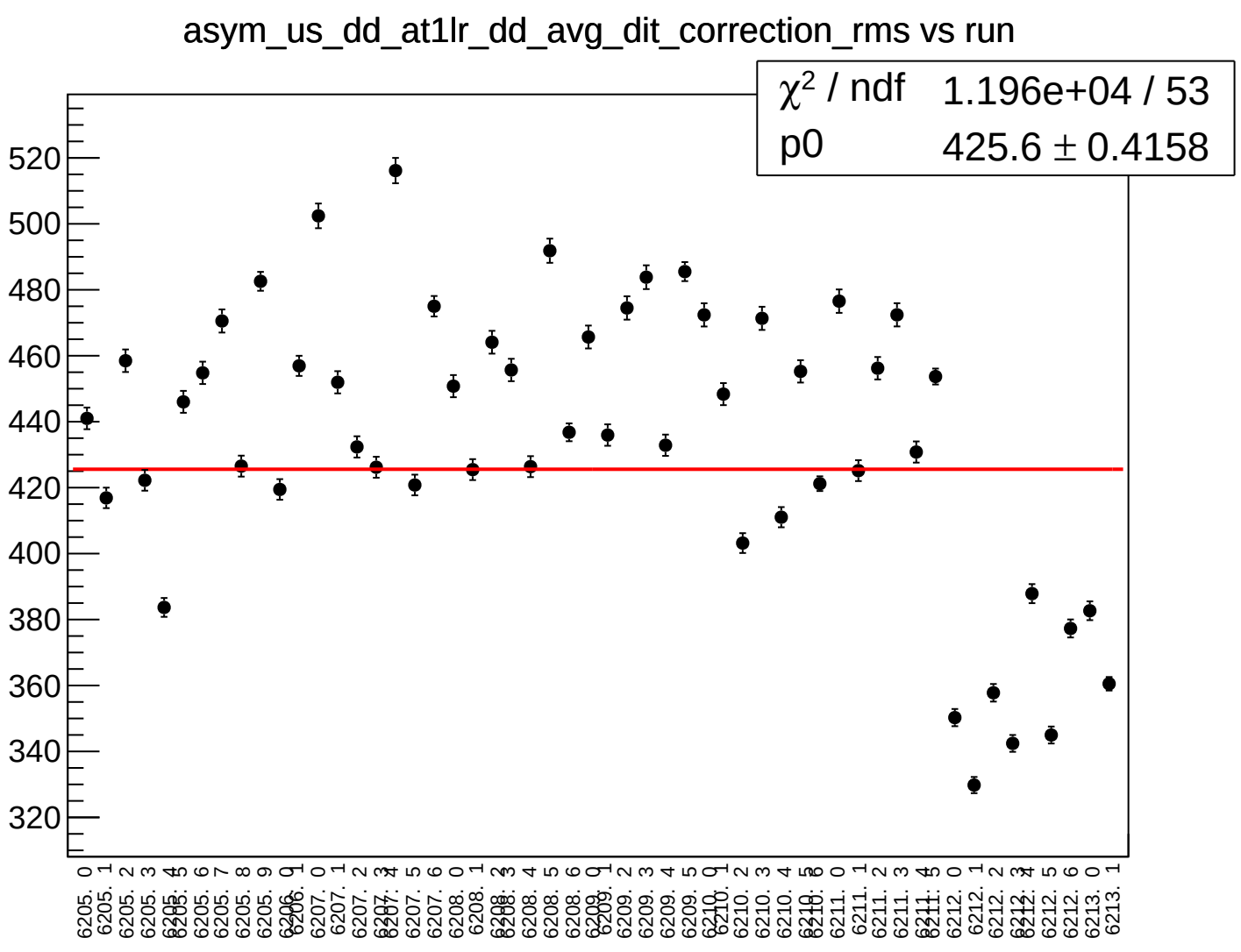

asym_us_dd_at1lr_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 1.474e+04 / 53
p0 386.6 ± 0.3782
500
450
400
350
300
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

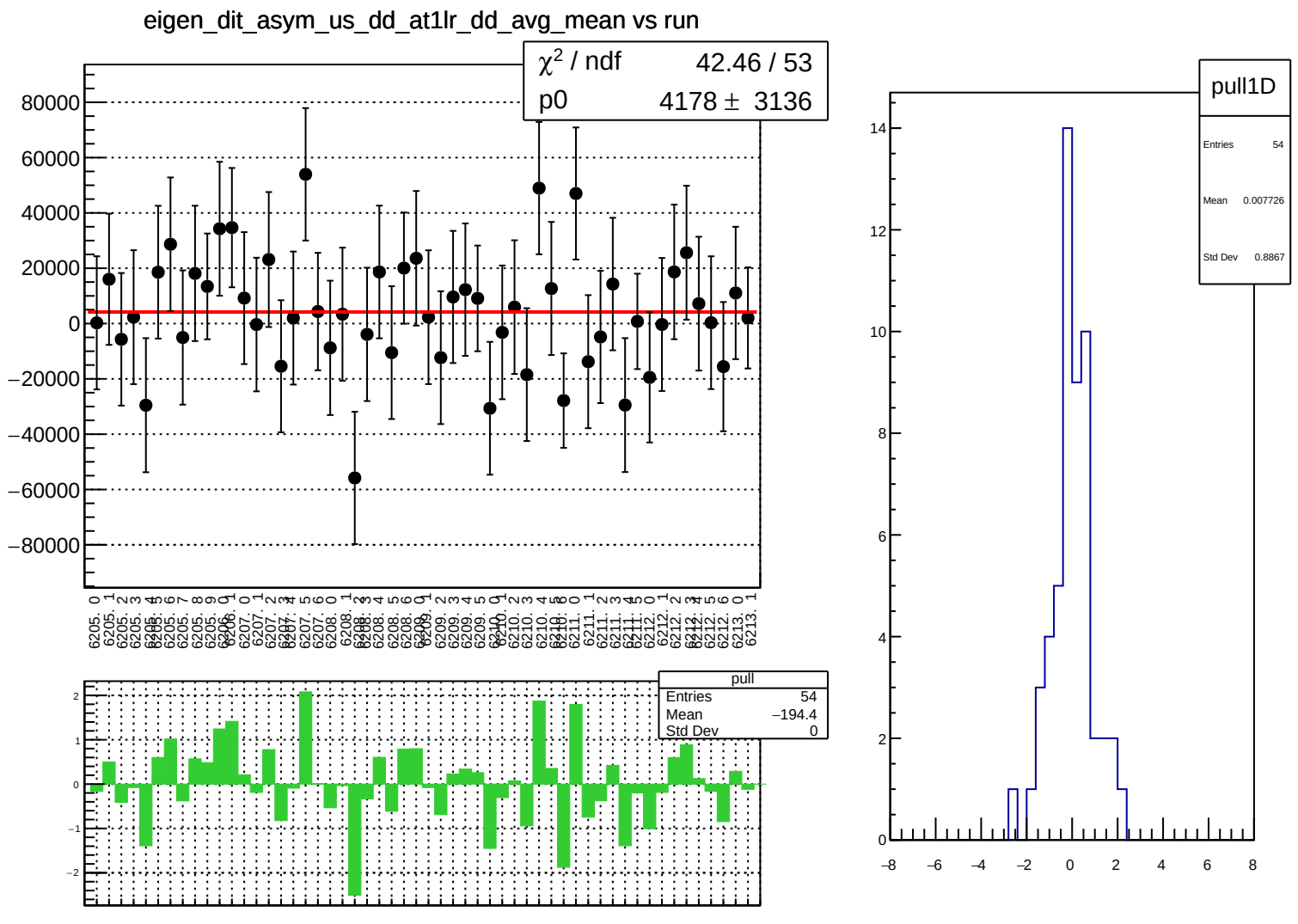

dit_asym_us_dd_at1lr_dd_avg_mean vs run
χ² / ndf 42.46 / 53
p0 4178 ± 3136
pull
Entries 54
Mean −194.4
Std Dev 0
pull1D
Entries 54
Mean 0.007726
Std Dev 0.8867

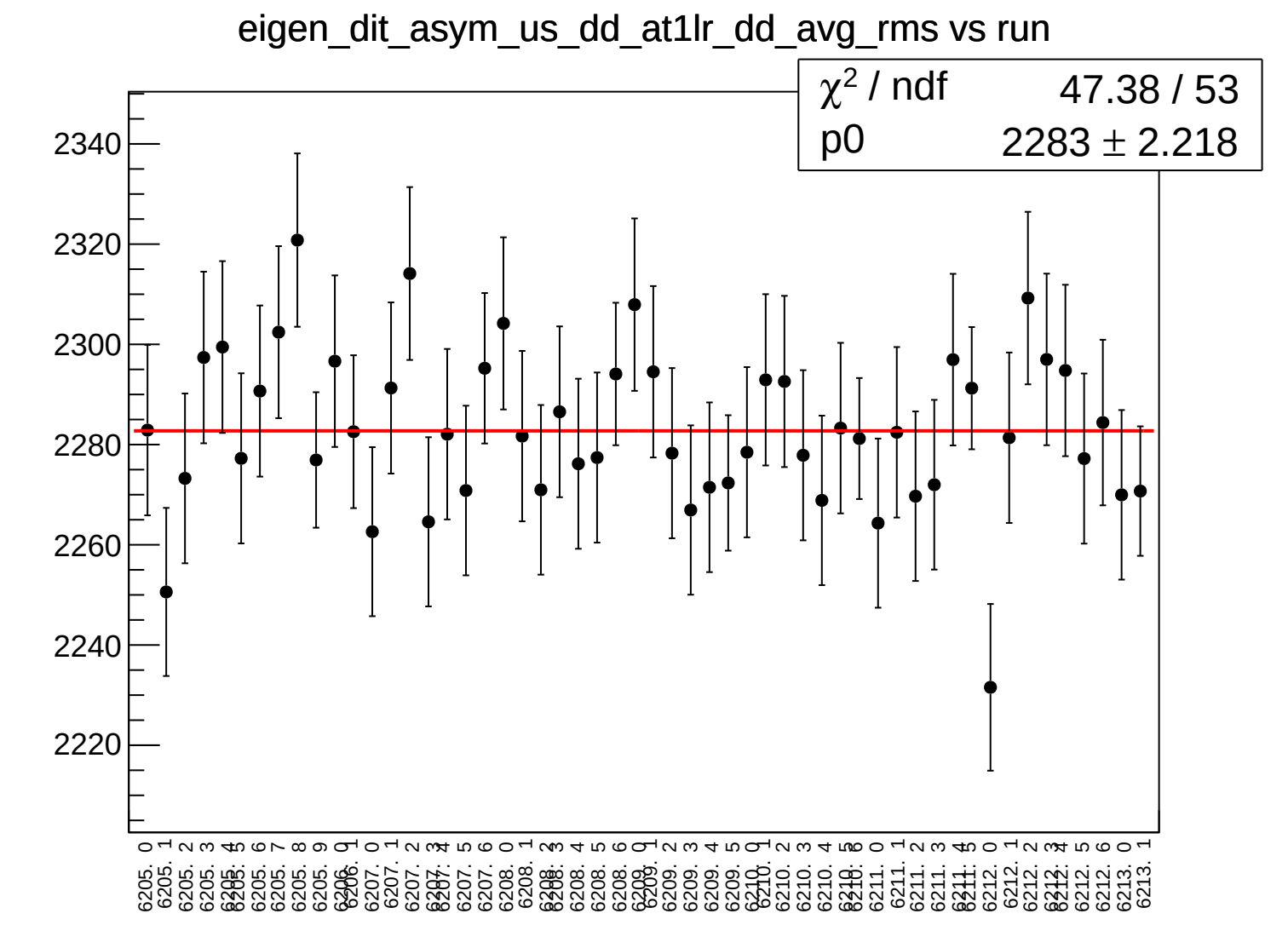

dit_asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 47.38 / 53
p0 2283 ± 2.218
2340
2320
2300
2280
2260
2240
2220
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

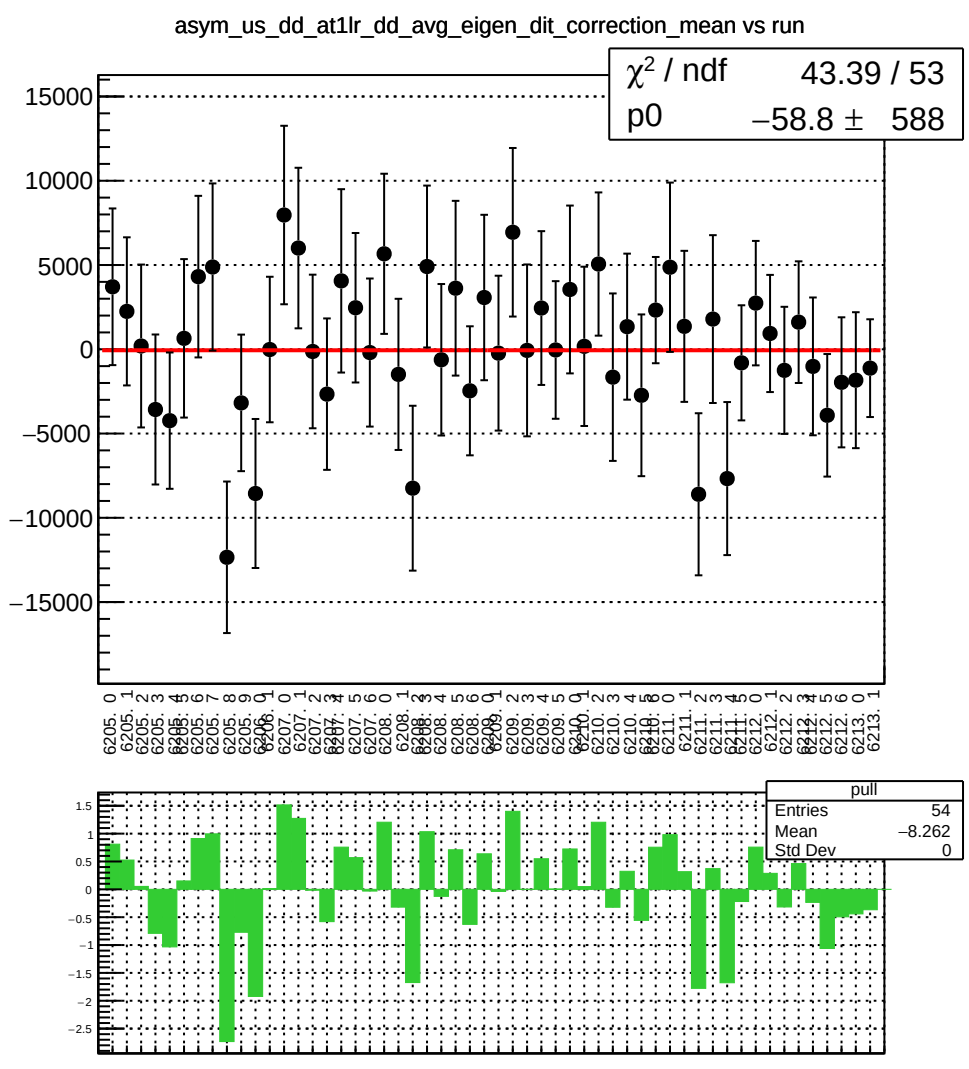

asym_us_dd_at1lr_dd_avg_dit_correction_mean vs run
χ² / ndf 43.39 / 53
p0 −58.79 ± 588
pull
Entries 54
Mean −8.261
Std Dev 0

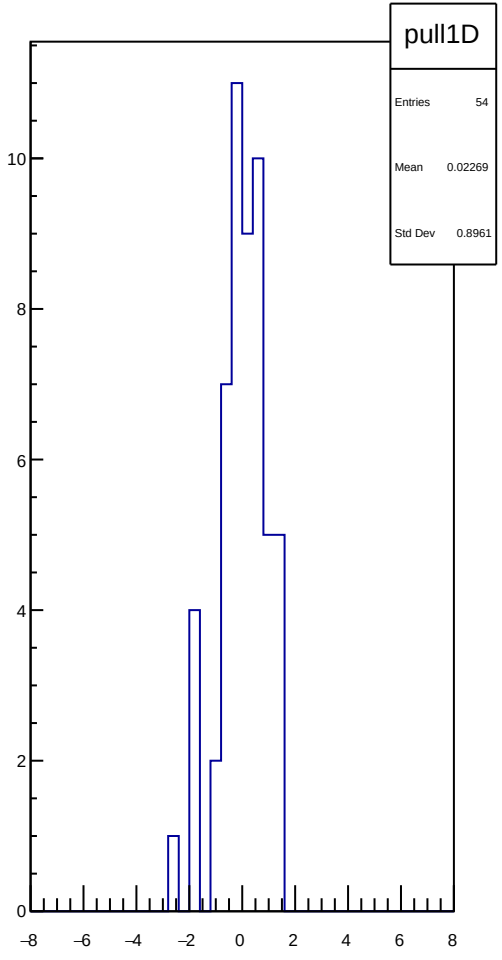

pull1D
Entries 54
Mean 0.02269
Std Dev 0.8961

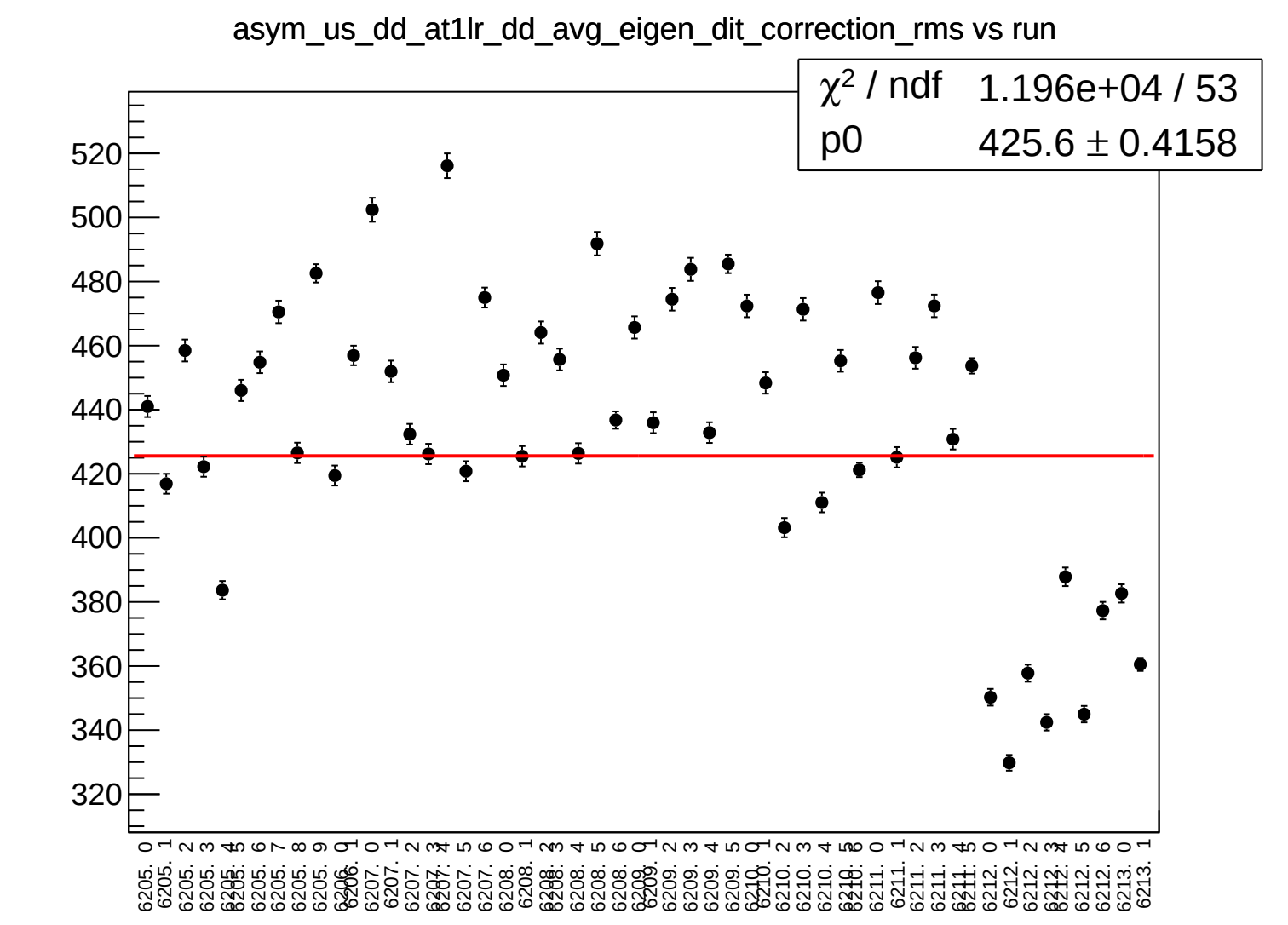

asym_us_dd_at1lr_dd_avg_dit_correction_rms vs run
χ² / ndf 1.196e+04 / 53
p0 425.6 ± 0.4158
520
500
480
460
440
420
400
380
360
340
320
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

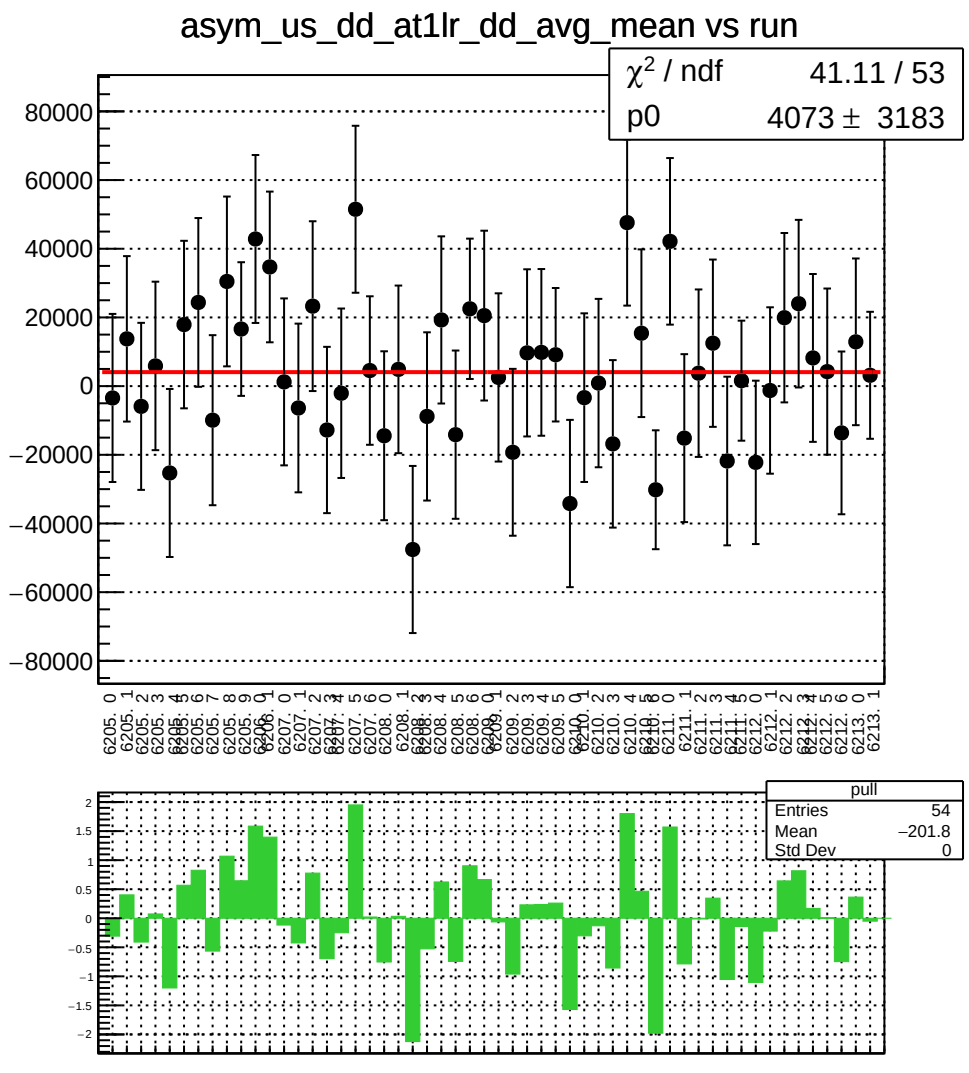

eigen_dit_asym_us_dd_at1lr_dd_avg_mean vs run
χ² / ndf 42.46 / 53
p0 4178 ± 3136
pull
Entries 54
Mean −194.4
Std Dev 0
pull1D
Entries 54
Mean 0.007726
Std Dev 0.8867

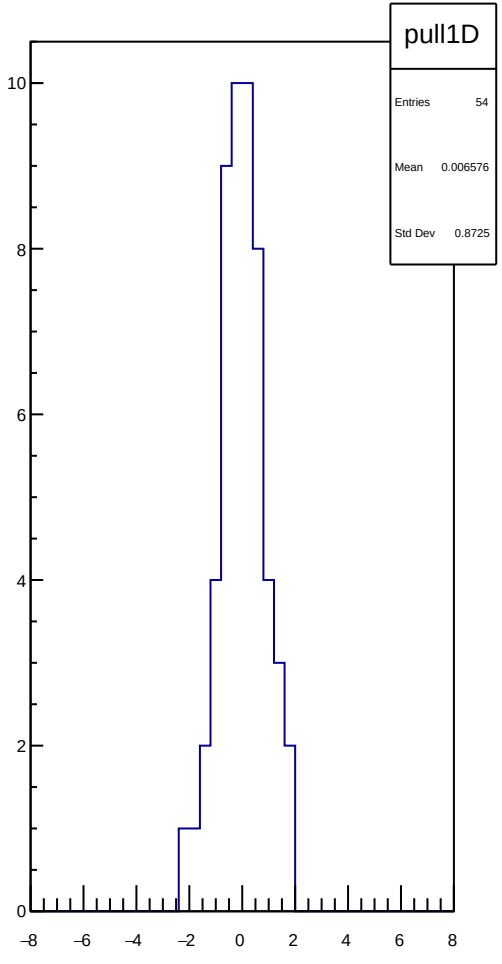

eigen_dit_asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 47.38 / 53
p0 2283 ± 2.218
2340
2320
2300
2280
2260
2240
2220
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

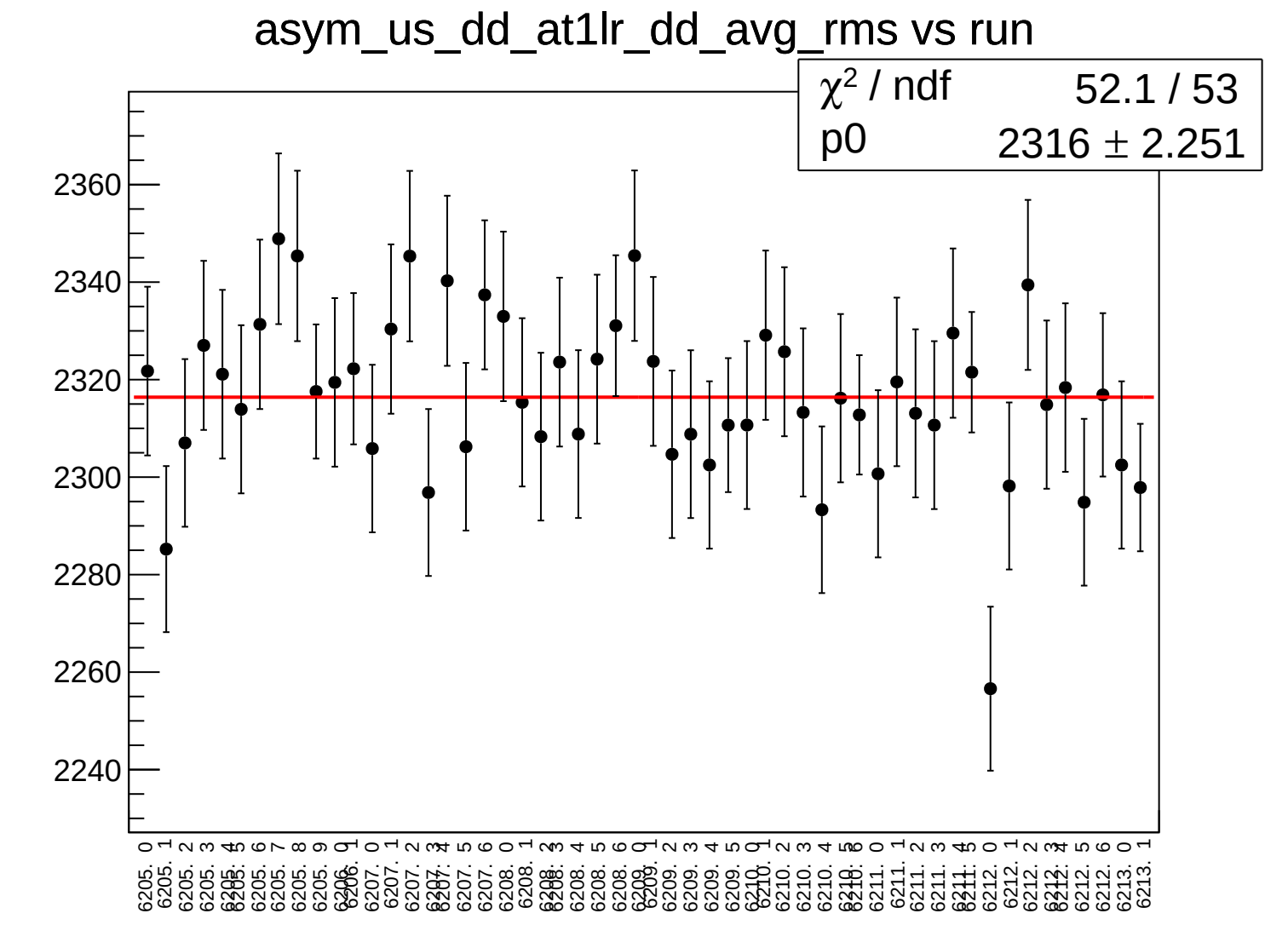

asym_us_dd_at1lr_dd_avg_eigen_dit_correction_mean vs run
χ² / ndf 43.39 / 53
p0 −58.8 ± 588
pull
Entries 54
Mean −8.262
Std Dev 0

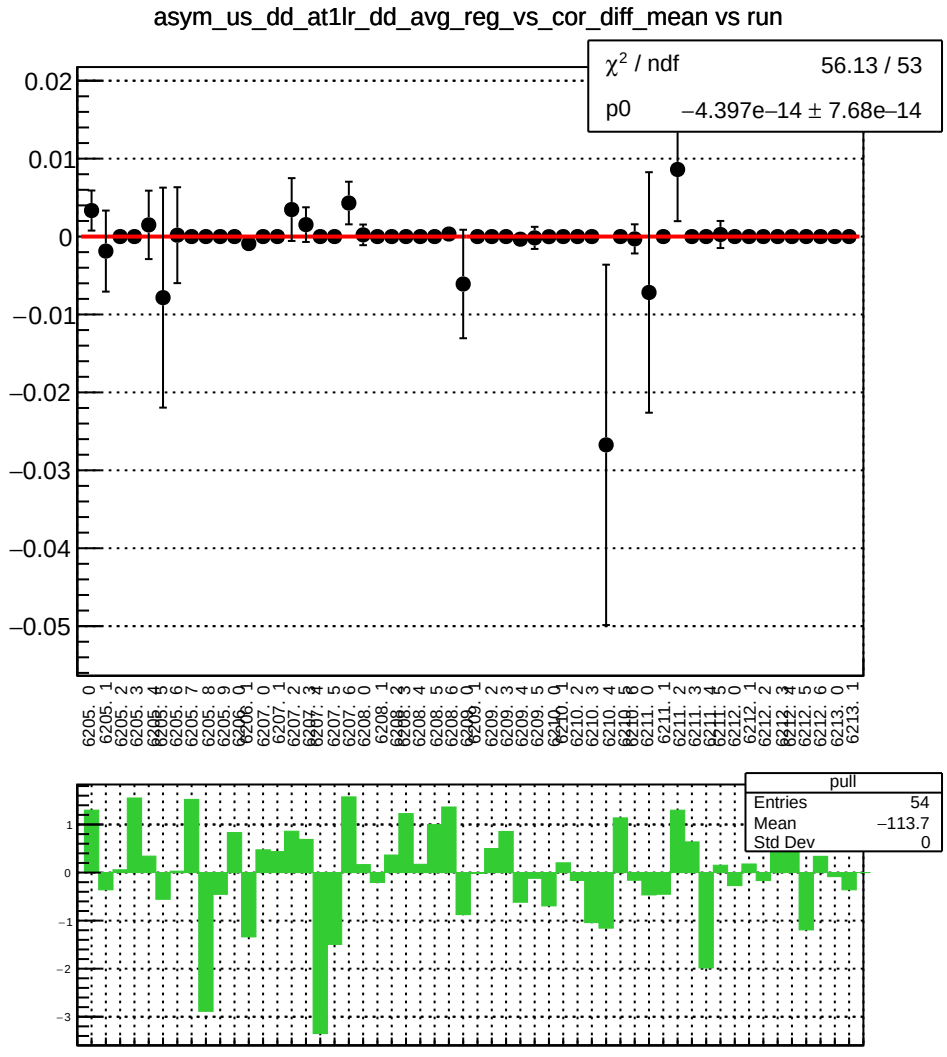

pull1D
Entries 54
Mean 0.02269
Std Dev 0.8961

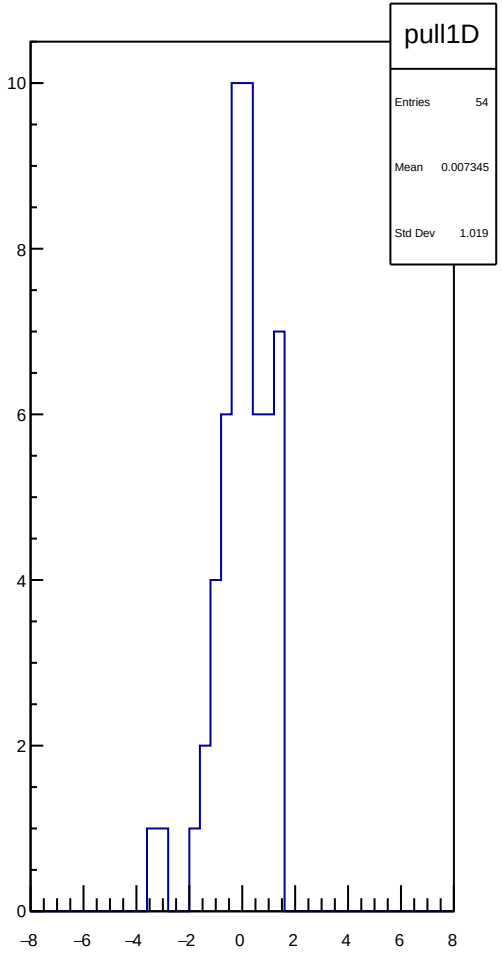

asym_us_dd_at1lr_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 1.196e+04 / 53
p0 425.6 ± 0.4158
520
500
480
460
440
420
400
380
360
340
320
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

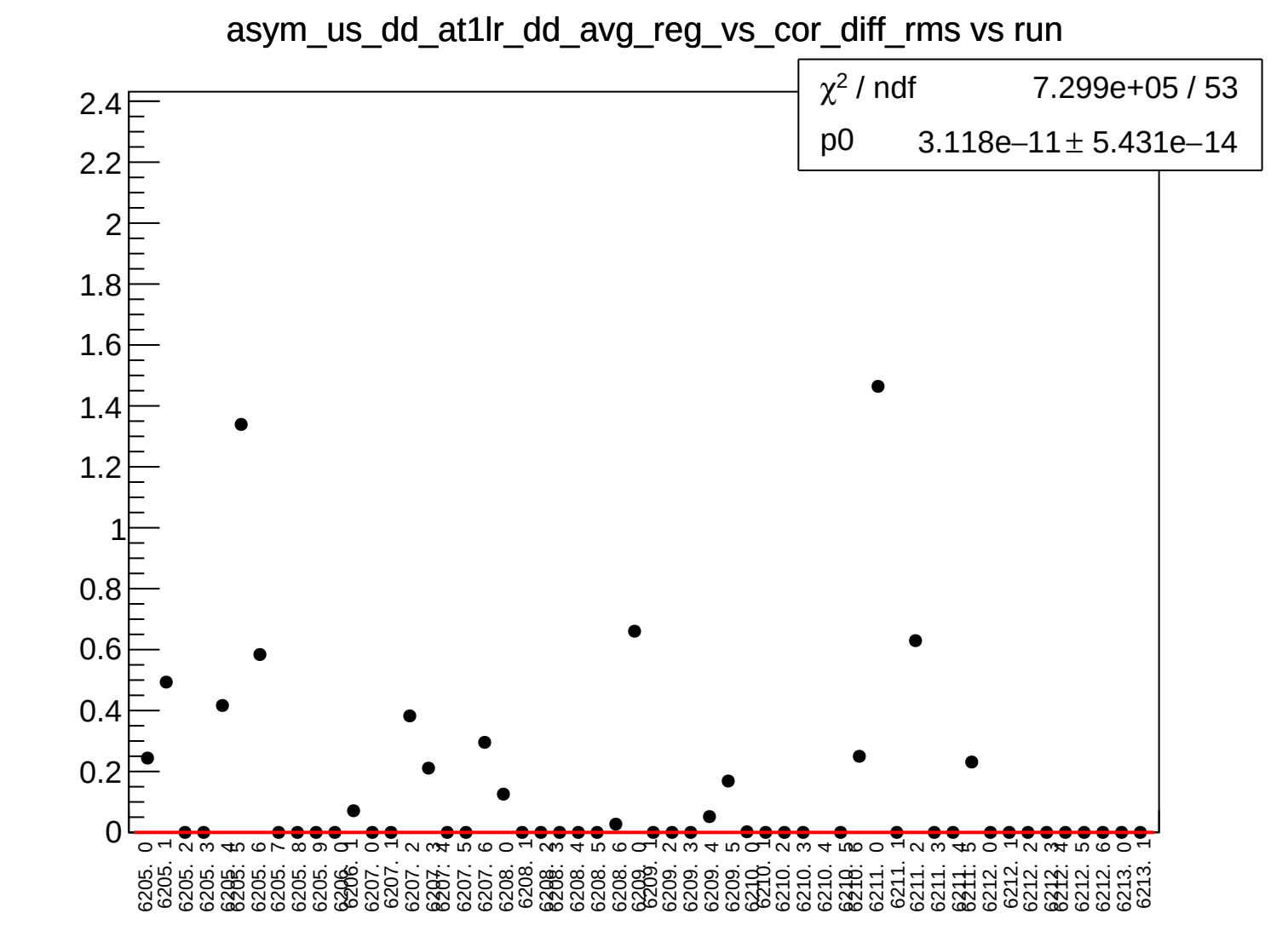

asym_us_dd_at1lr_dd_avg_mean vs run
χ² / ndf 41.11 / 53
p0 4073 ± 3183
pull
Entries 54
Mean −201.8
Std Dev 0

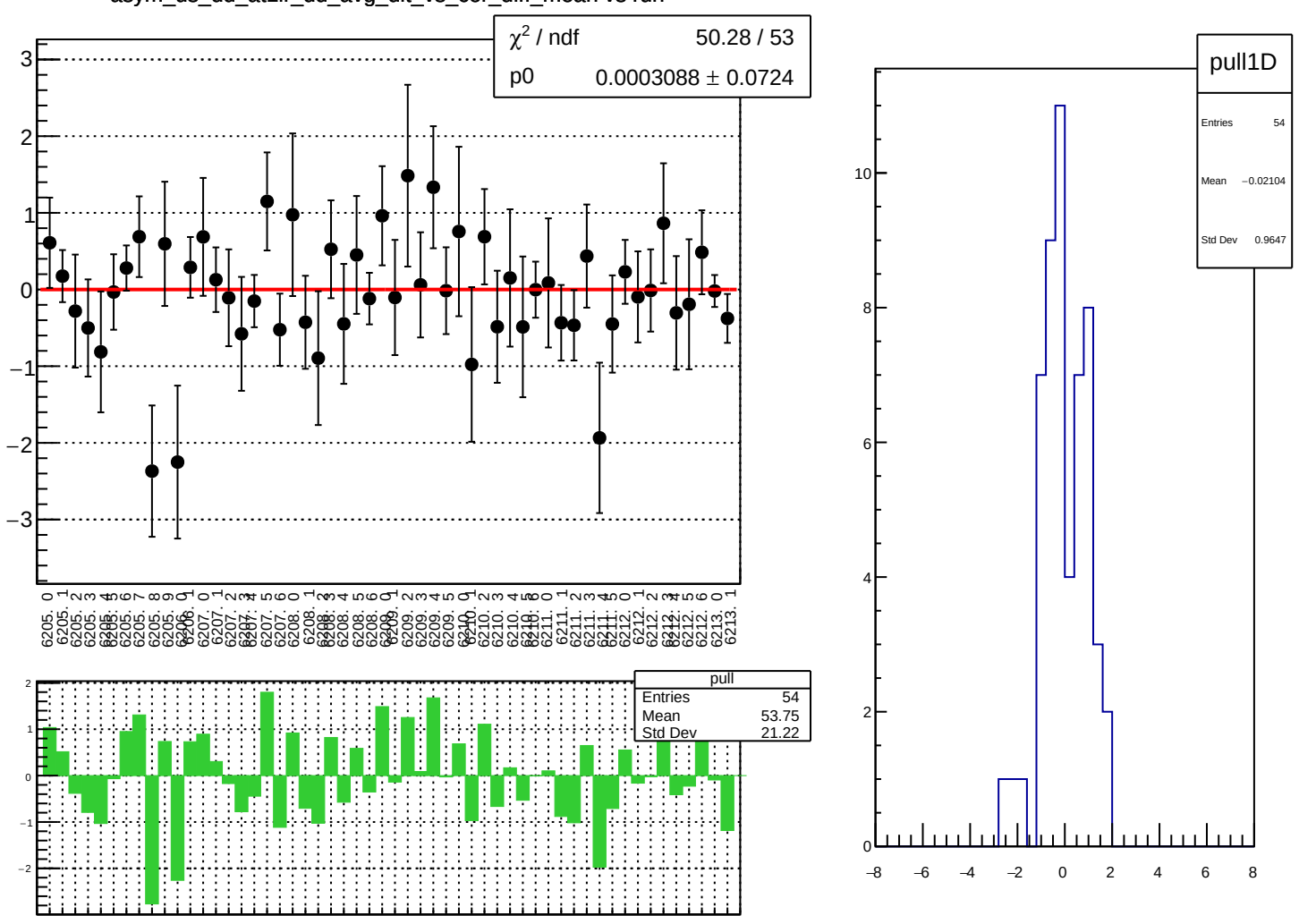

pull1D
Entries 54
Mean 0.006576
Std Dev 0.8725

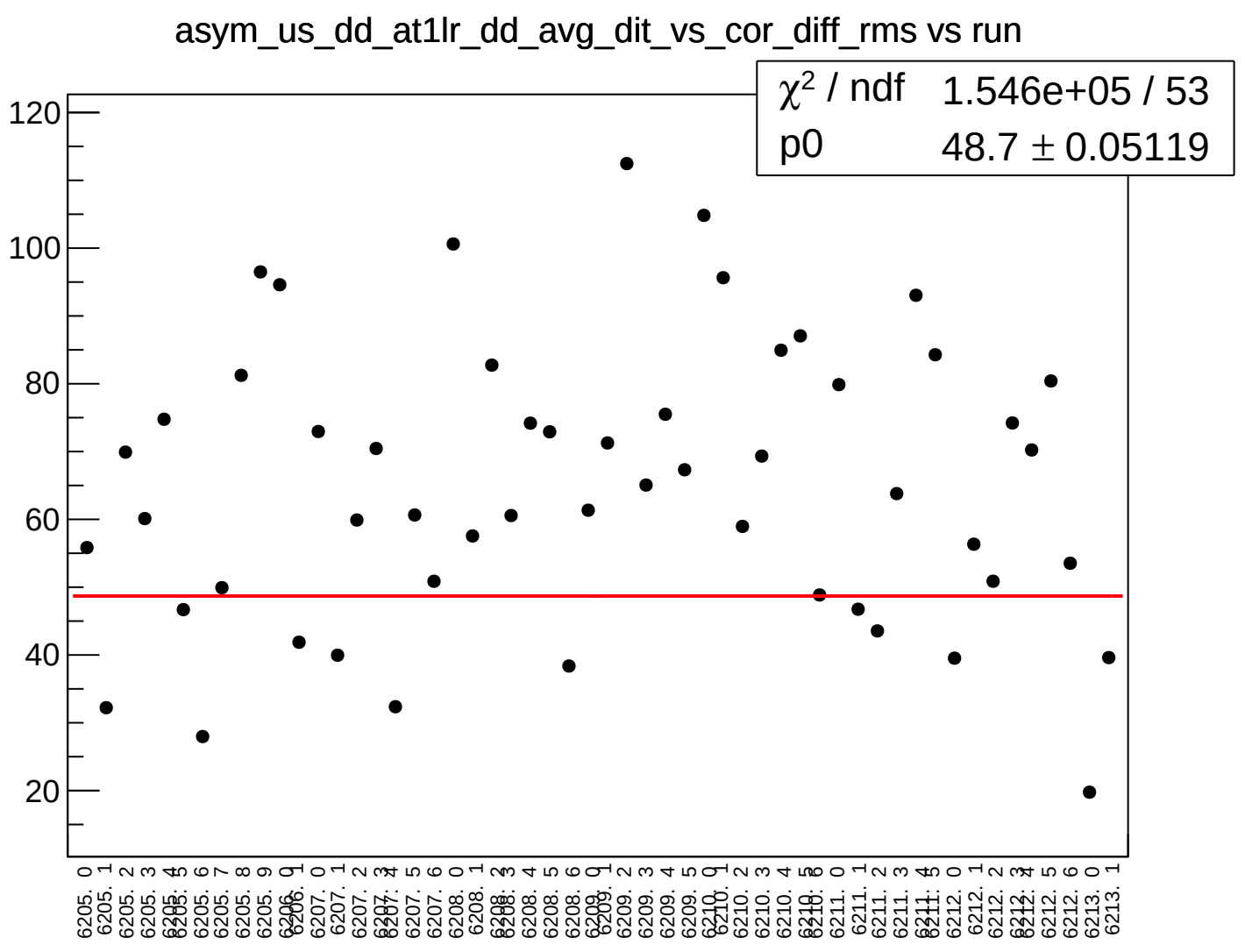

asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 52.1 / 53
p0 2316 ± 2.251
2360
2340
2320
2300
2280
2260
2240
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_us_dd_at1lr_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 56.13 / 53
p0 −4.397e−14 ± 7.68e−14
pull
Entries 54
Mean −113.7
Std Dev 0

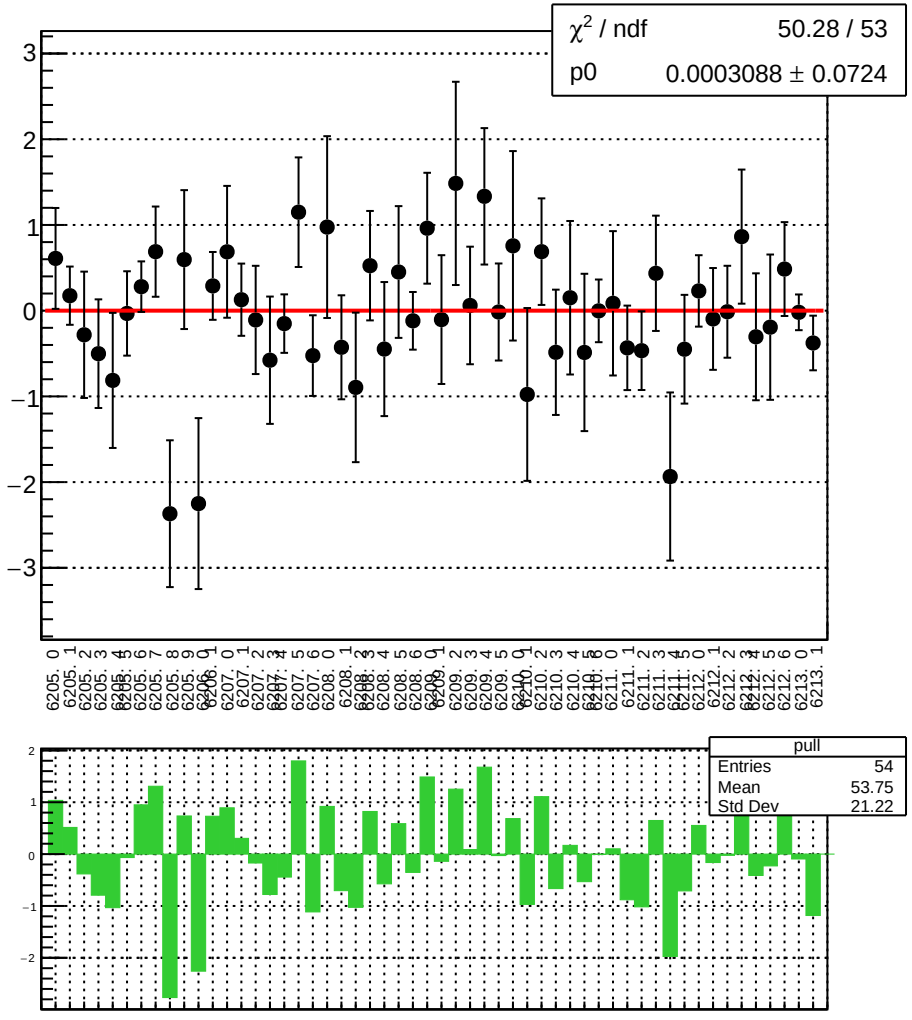

pull1D
Entries 54
Mean 0.007345
Std Dev 1.019

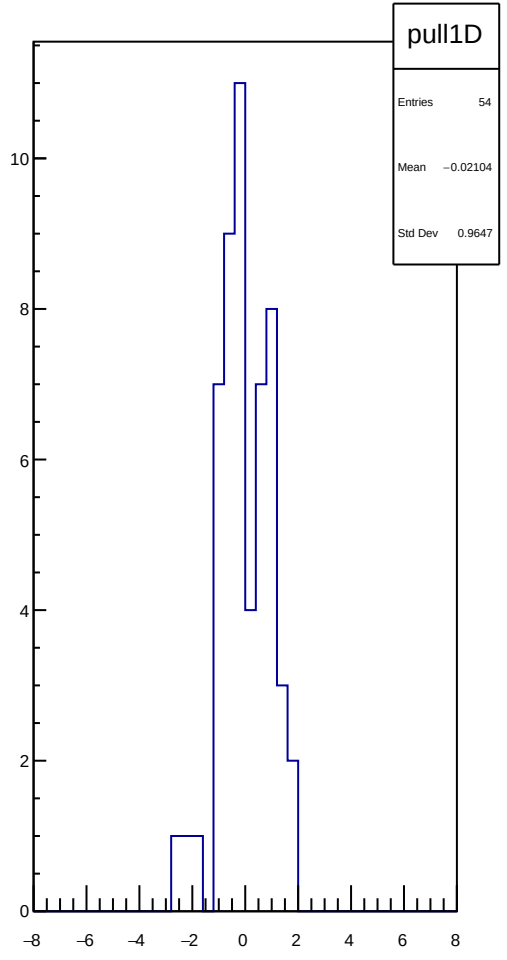

asym_us_dd_at1lr_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 7.299e+05 / 53
p0 3.118e−11 ± 5.431e−14
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 10
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6211. 5
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

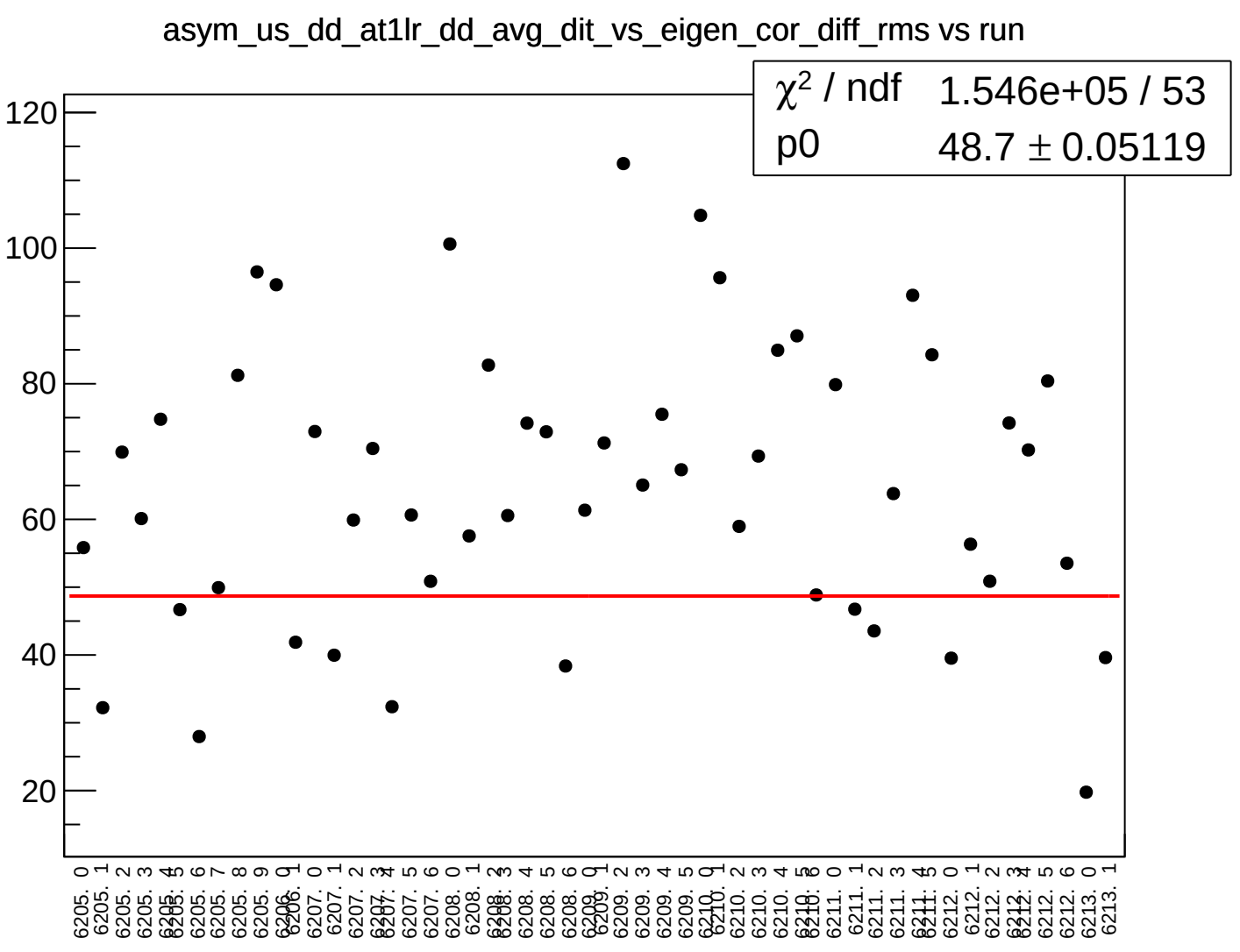

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 50.28 / 53
p0 0.0003088 ± 0.0724
pull
Entries 54
Mean 53.75
Std Dev 21.22
pull1D
Entries 54
Mean −0.02104
Std Dev 0.9647

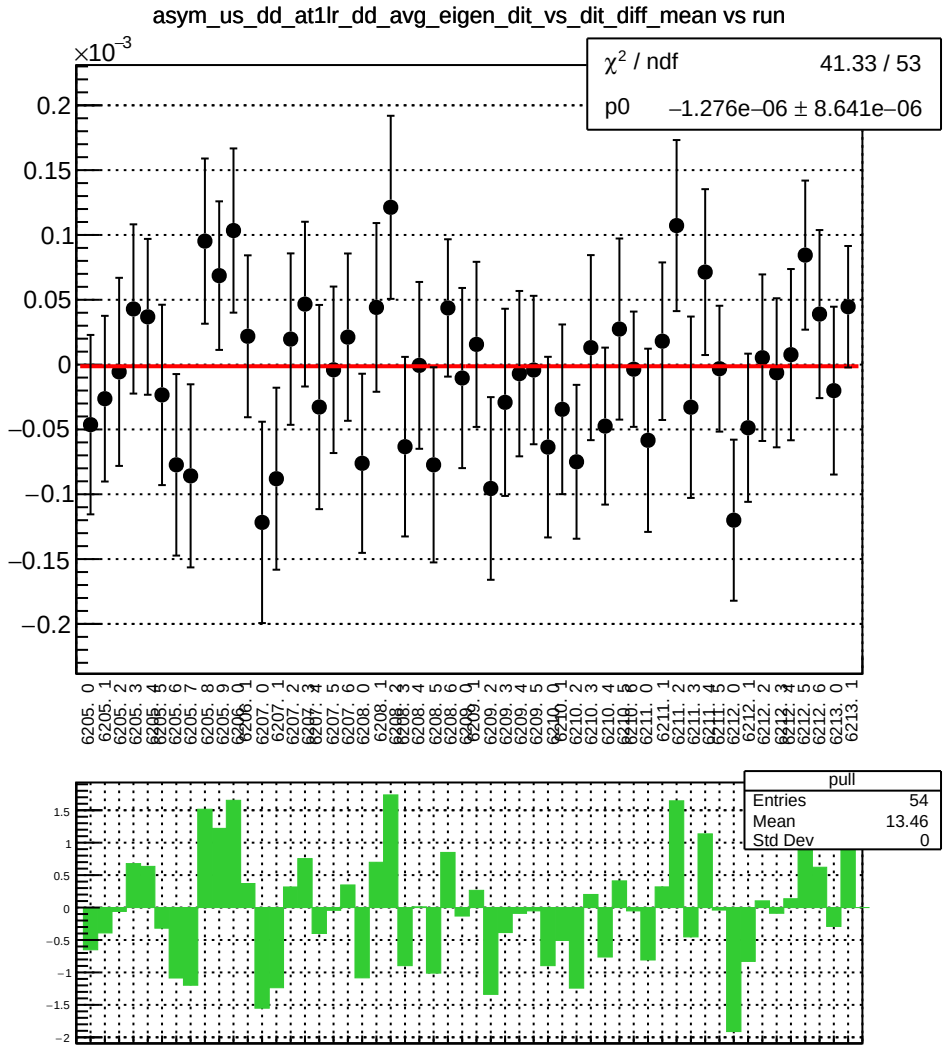

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.546e+05 / 53
p0 48.7 ± 0.05119
120
100
80
60
40
20
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

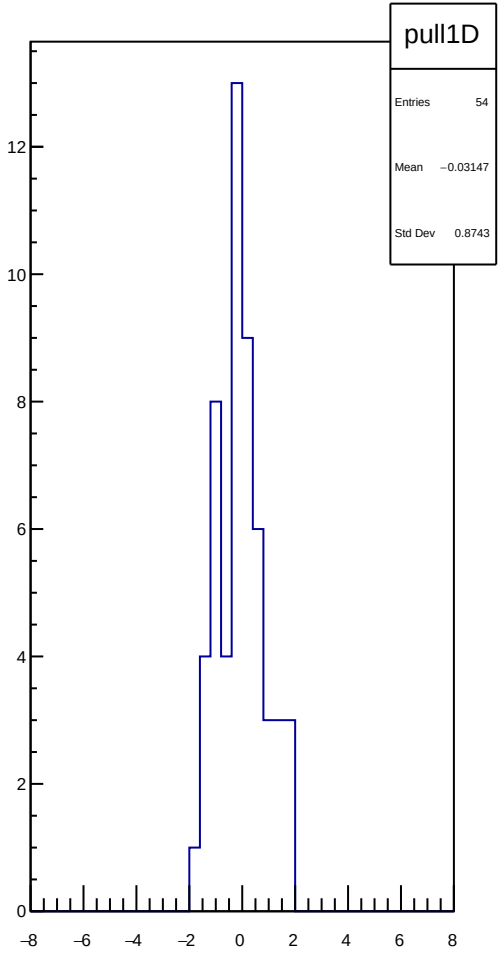
asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_mean vs run

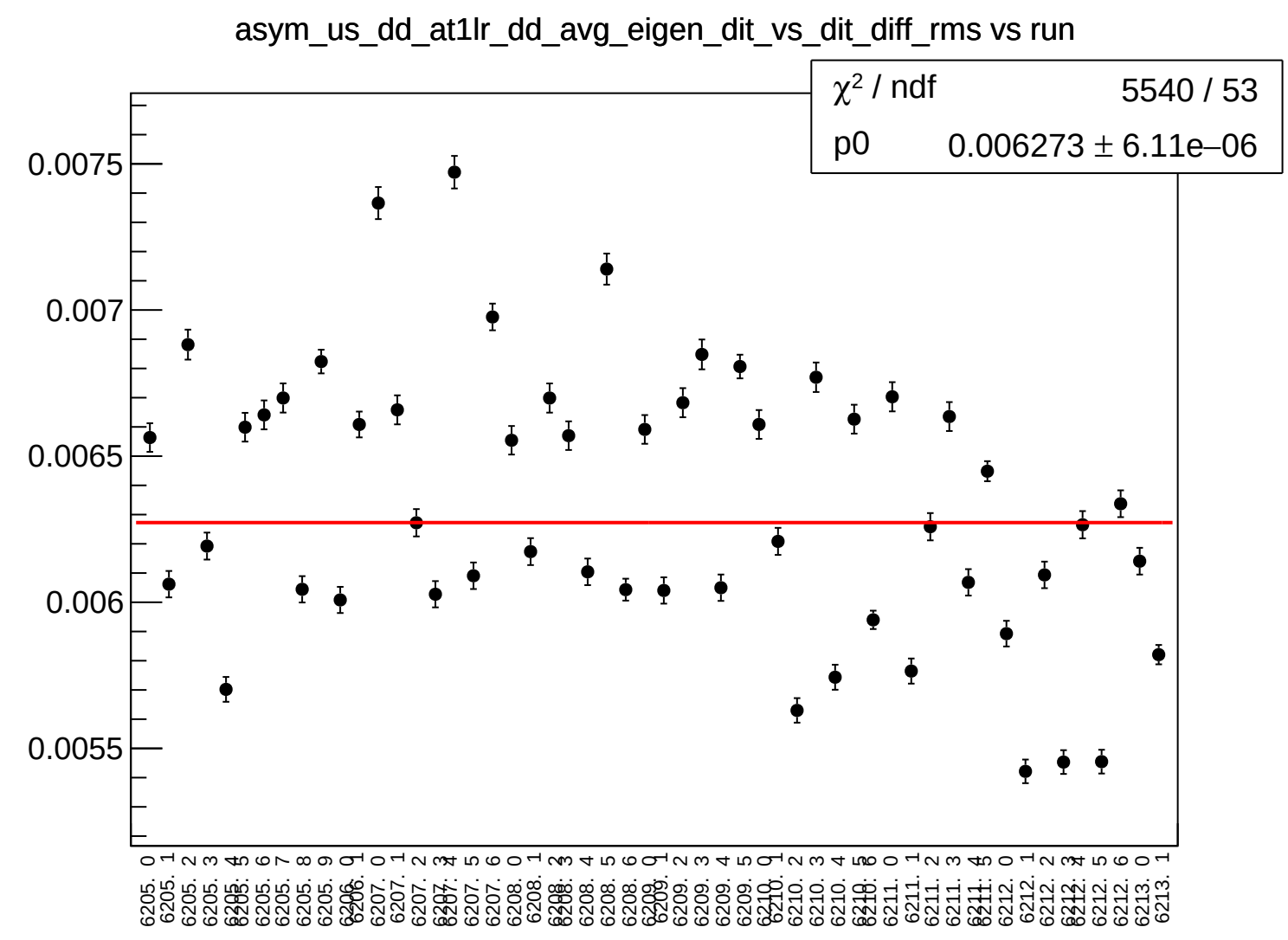


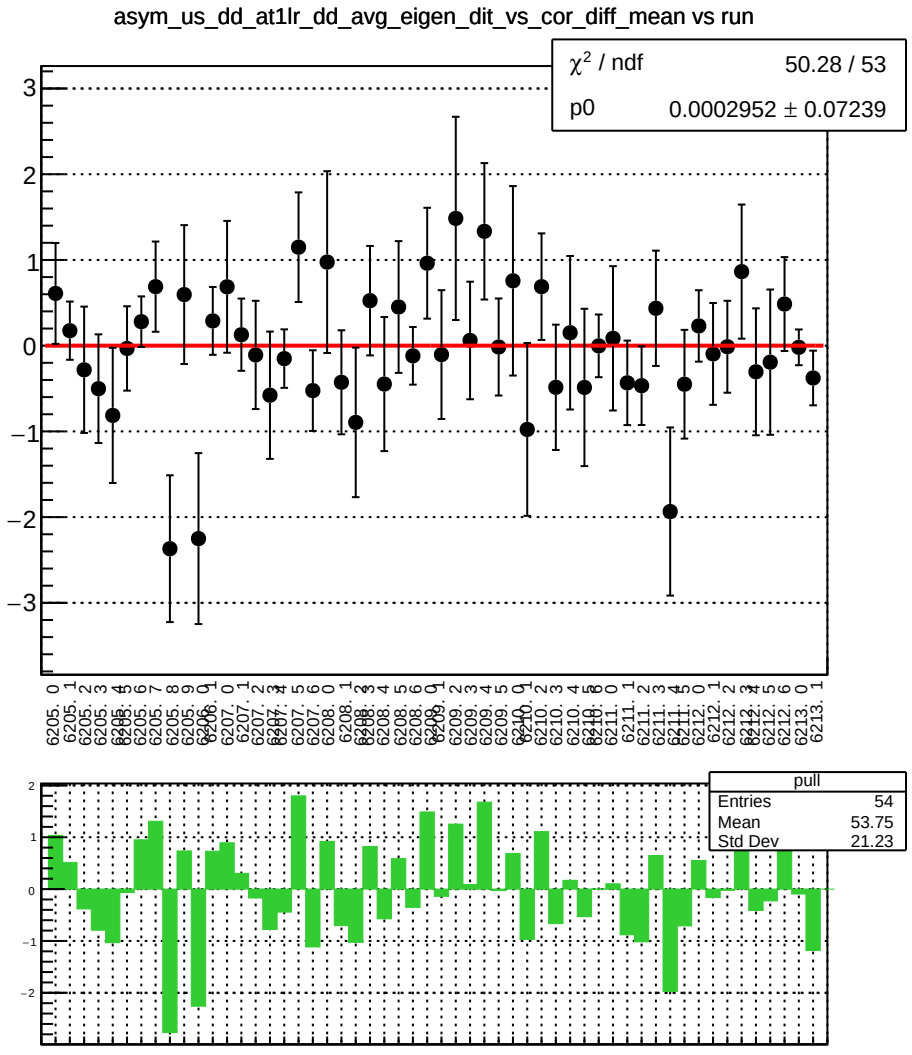


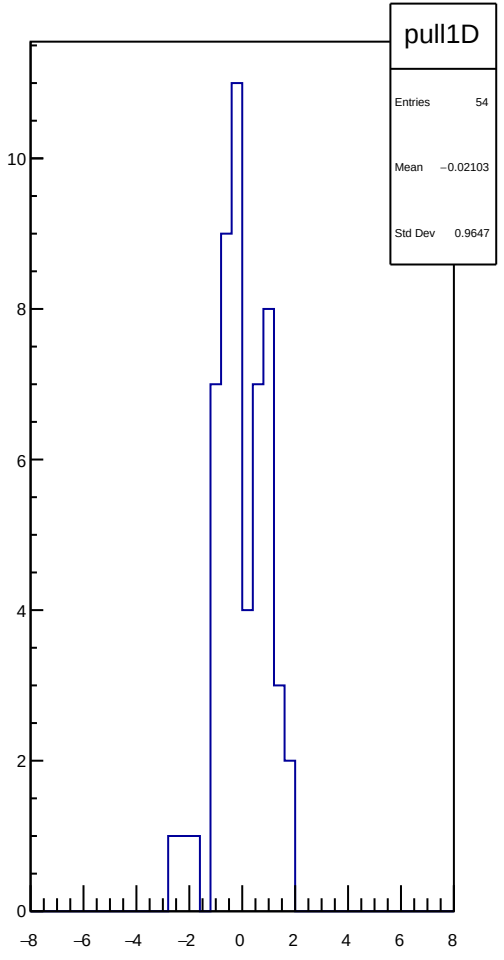

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.546e+05 / 53
p0 48.7 ± 0.05119
120
100
80
60
40
20
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

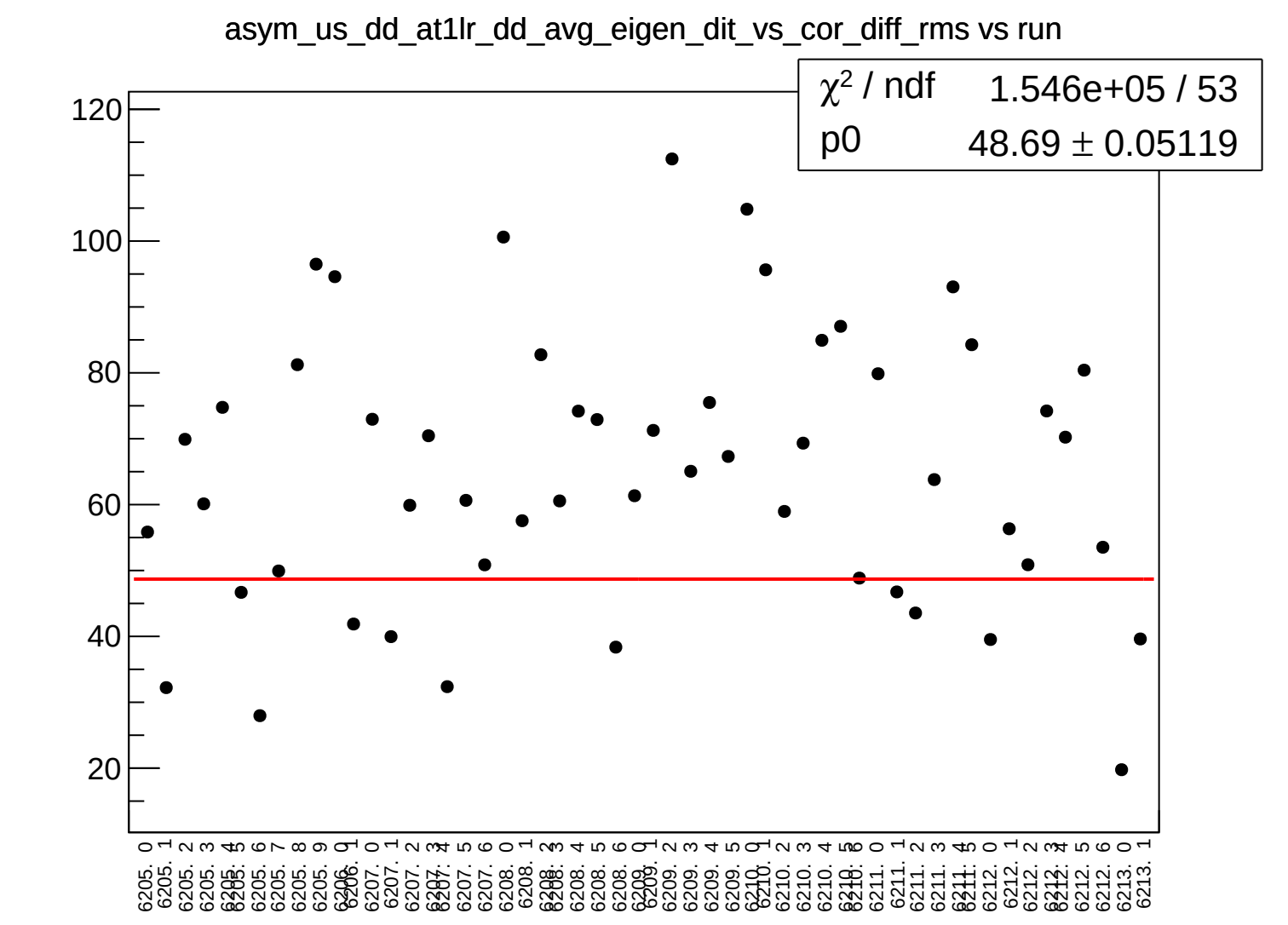

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 41.33 / 53
p0 −1.276e−06 ± 8.641e−06
pull
Entries 54
Mean 13.46
Std Dev 0

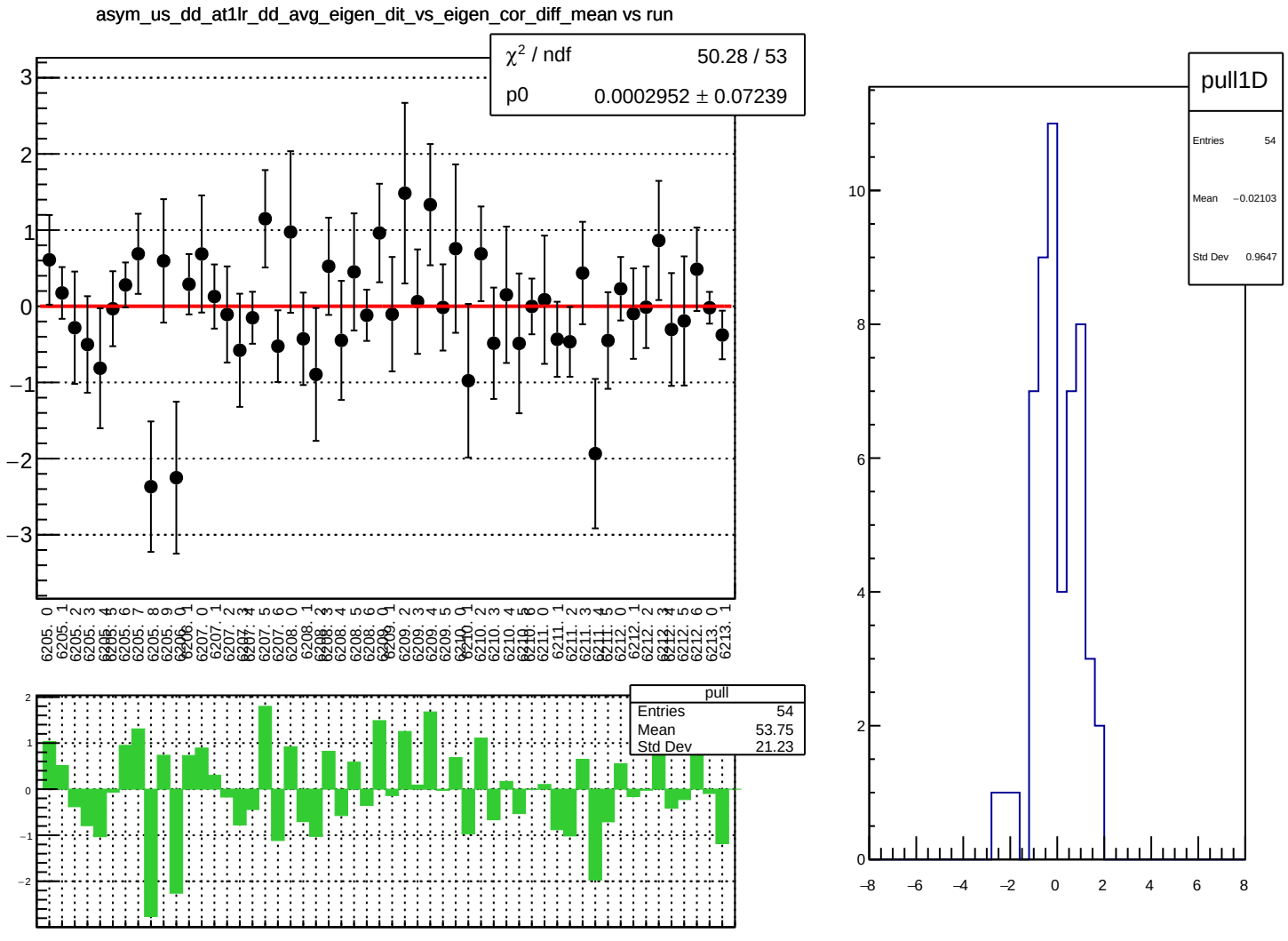

pull1D
Entries 54
Mean −0.03147
Std Dev 0.8743

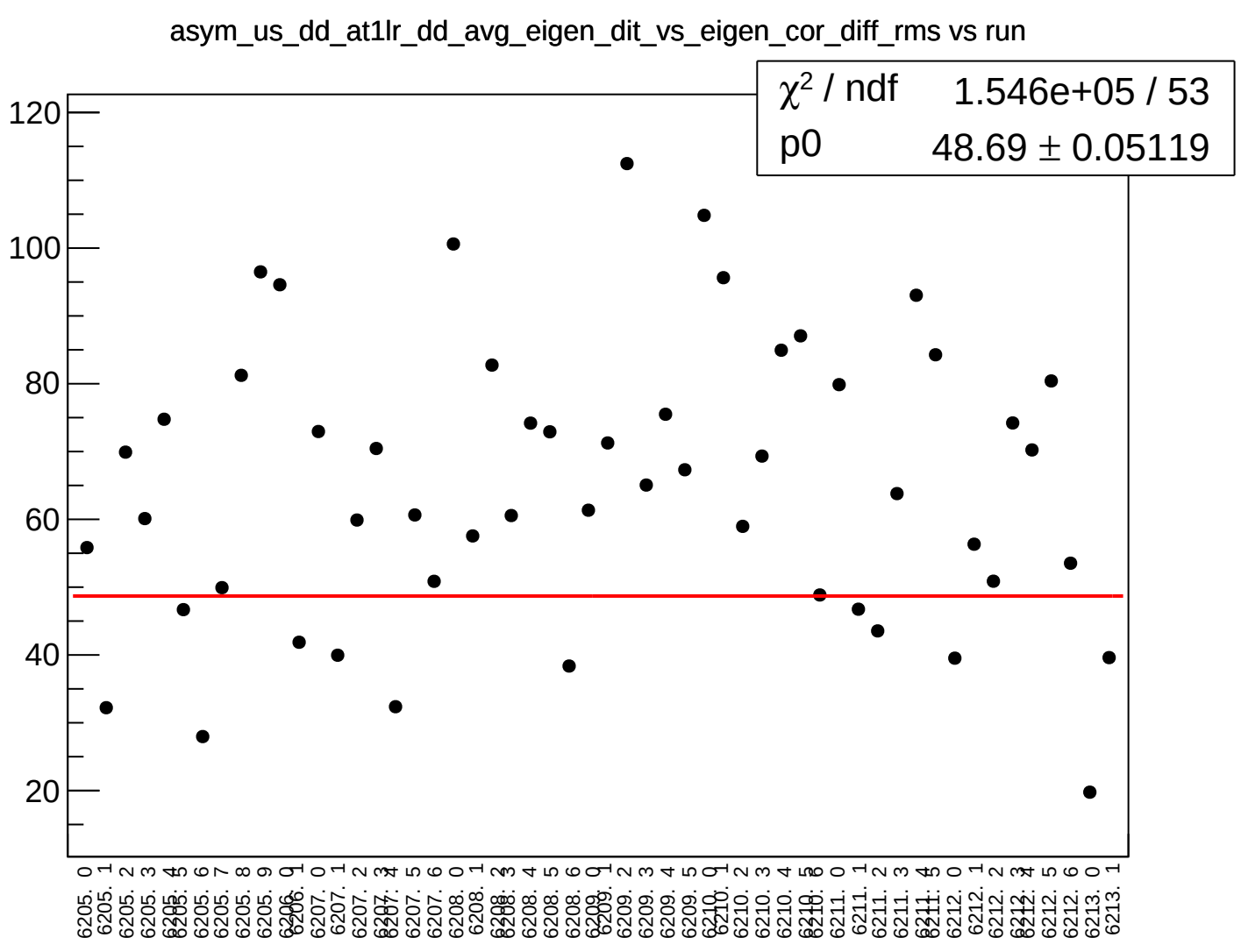

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5540 / 53
p0 0.006273 ± 6.11e–06
0.0075
0.007
0.0065
0.006
0.0055


asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 50.28 / 53
p0 0.0002952 ± 0.07239
pull
Entries 54
Mean 53.75
Std Dev 21.23


pull1D
Entries 54
Mean −0.02103
Std Dev 0.9647


asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.546e+05 / 53
p0 48.69 ± 0.05119
120
100
80
60
40
20
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 50.28 / 53
p0 0.0002952 ± 0.07239
pull
Entries 54
Mean 53.75
Std Dev 21.23
pull1D
Entries 54
Mean −0.02103
Std Dev 0.9647


asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.546e+05 / 53
p0 48.69 ± 0.05119
120
100
80
60
40
20
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
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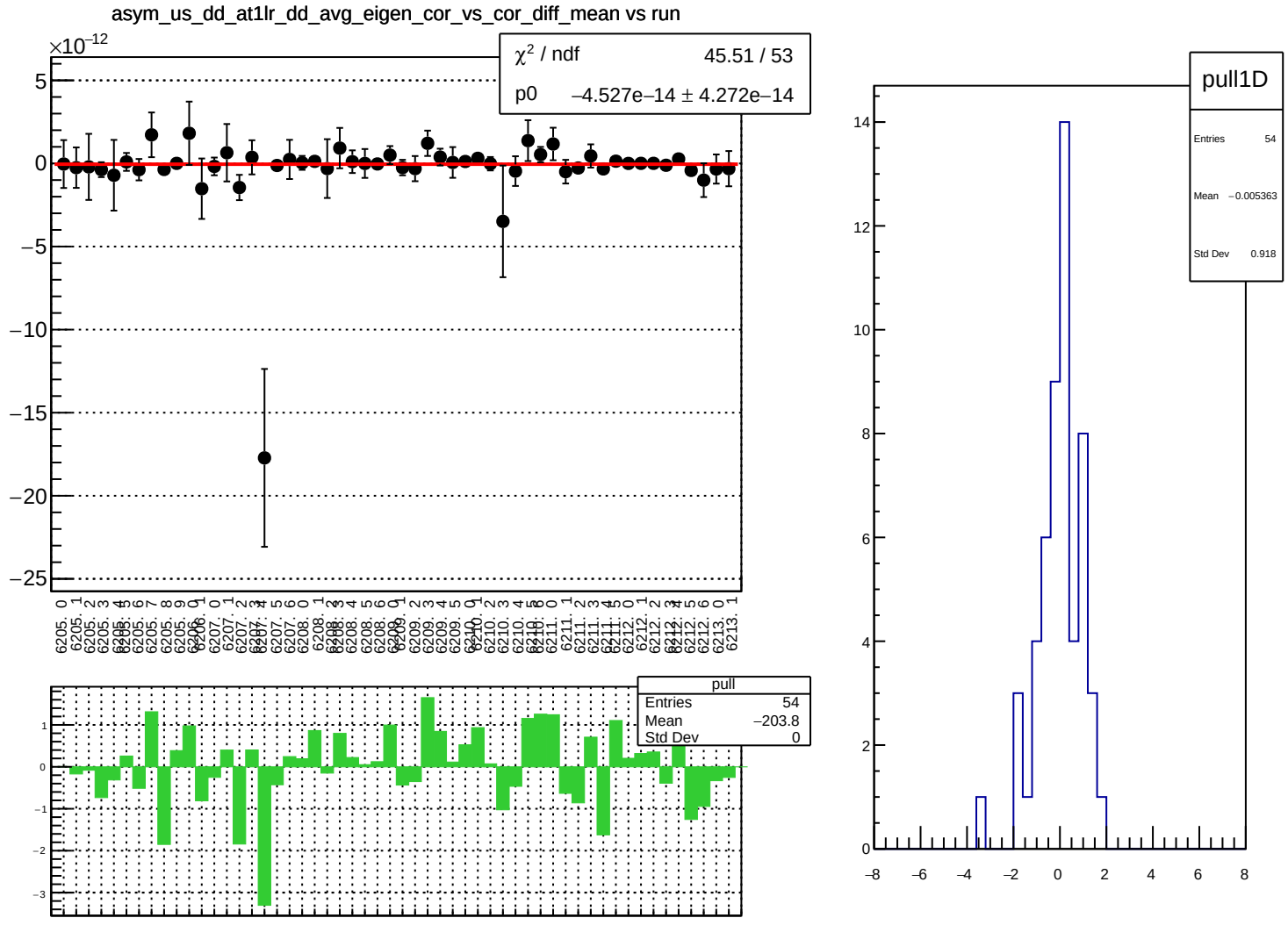
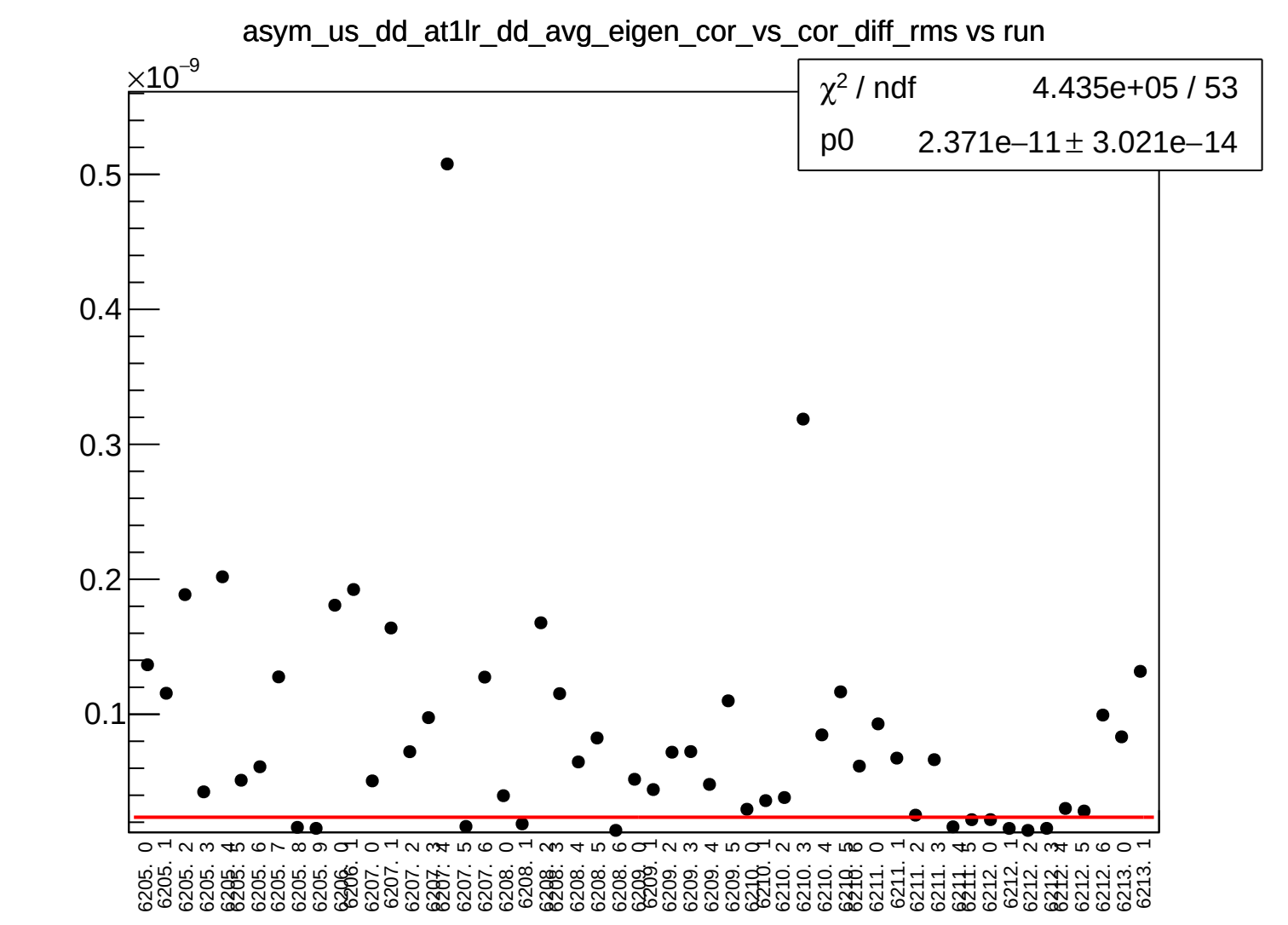
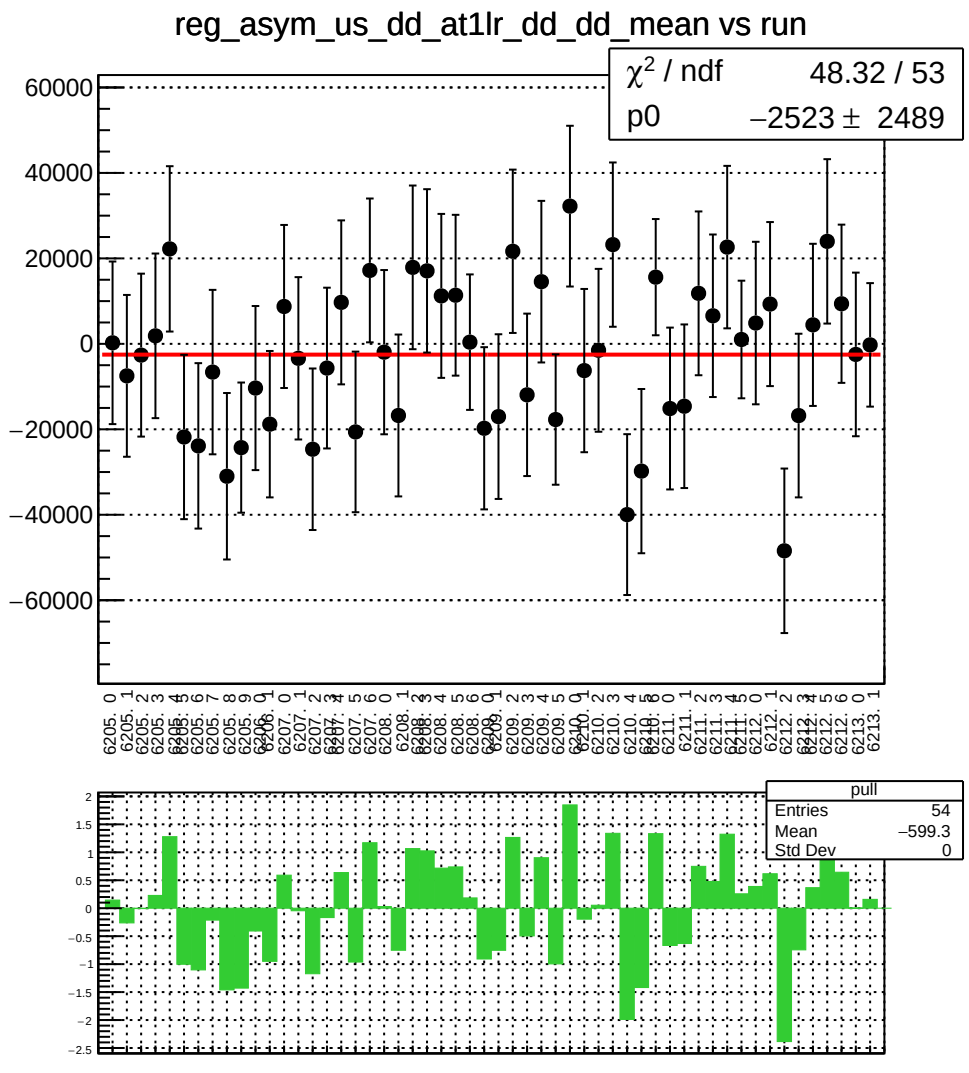
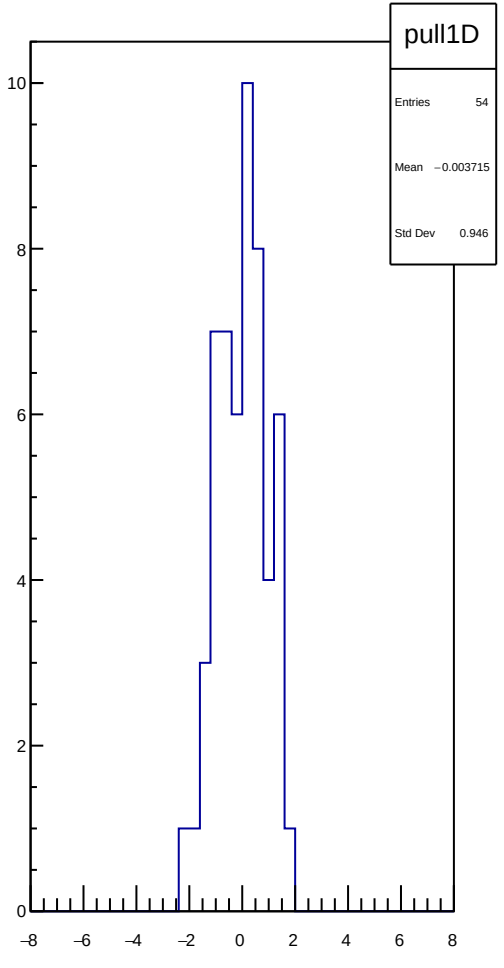
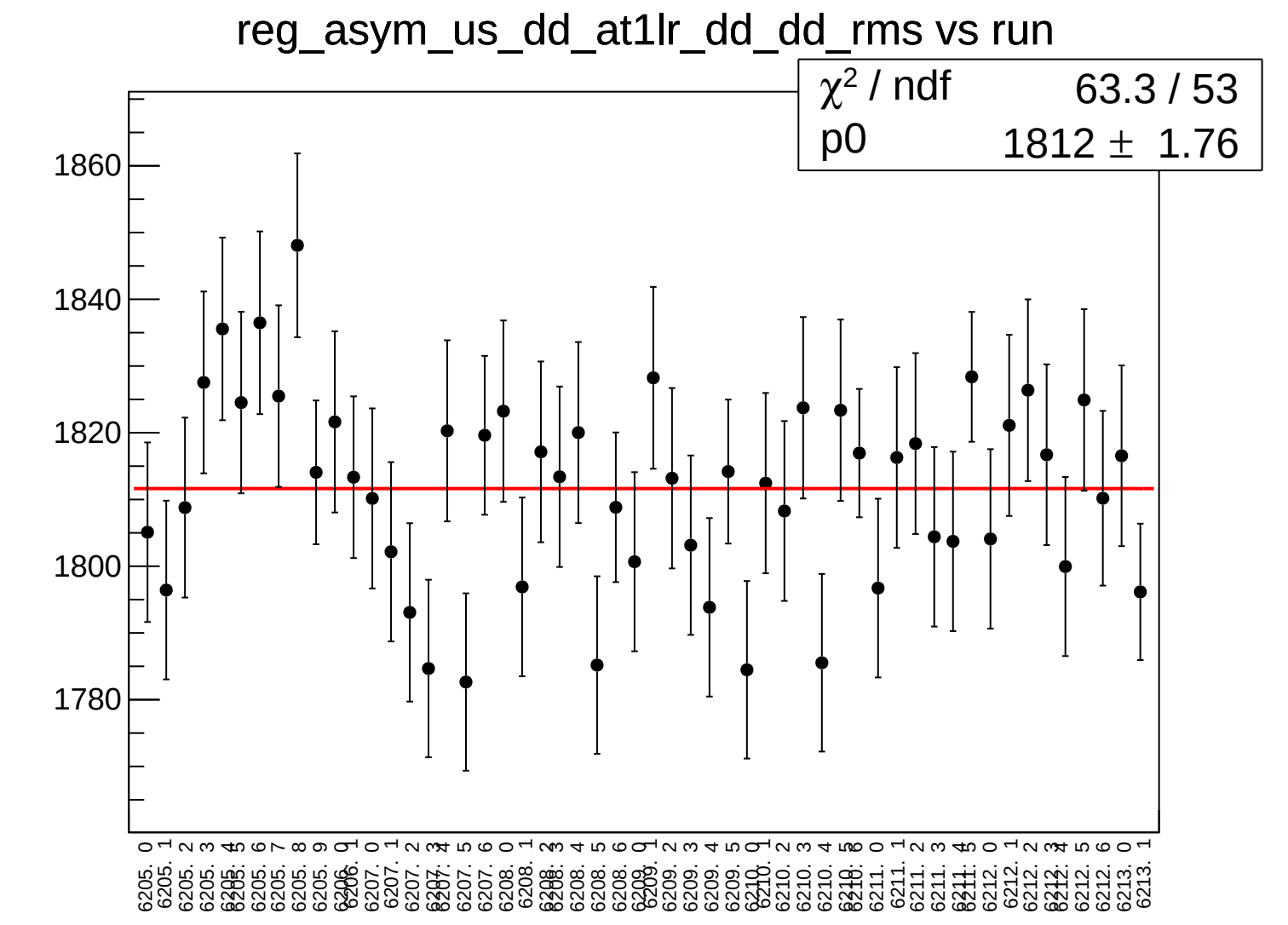
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

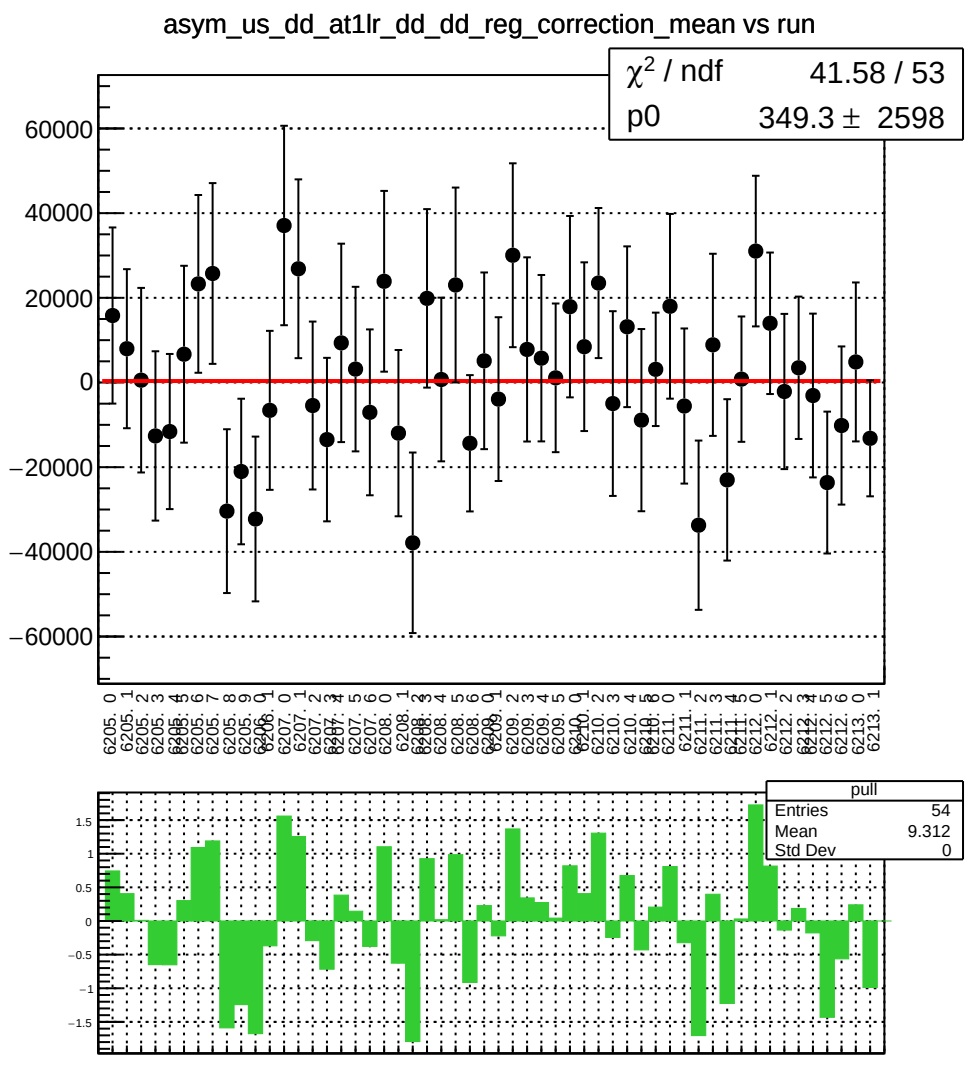

asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 45.51 / 53
p0 −4.527e−14 ± 4.272e−14
pull
Entries 54
Mean −203.8
Std Dev 0
pull1D
Entries 54
Mean −0.005363
Std Dev 0.918

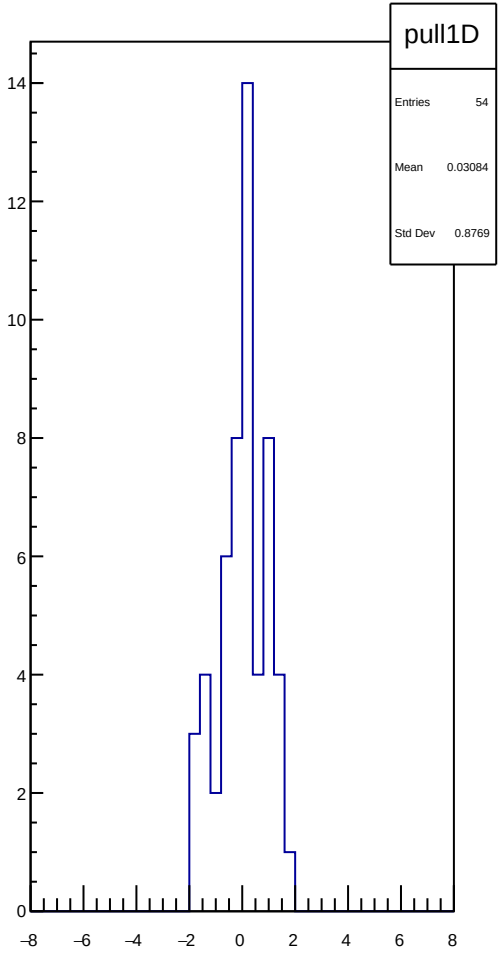

asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.435e+05 / 53
p0 2.371e−11 ± 3.021e−14
0.5
0.4
0.3
0.2
0.1
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

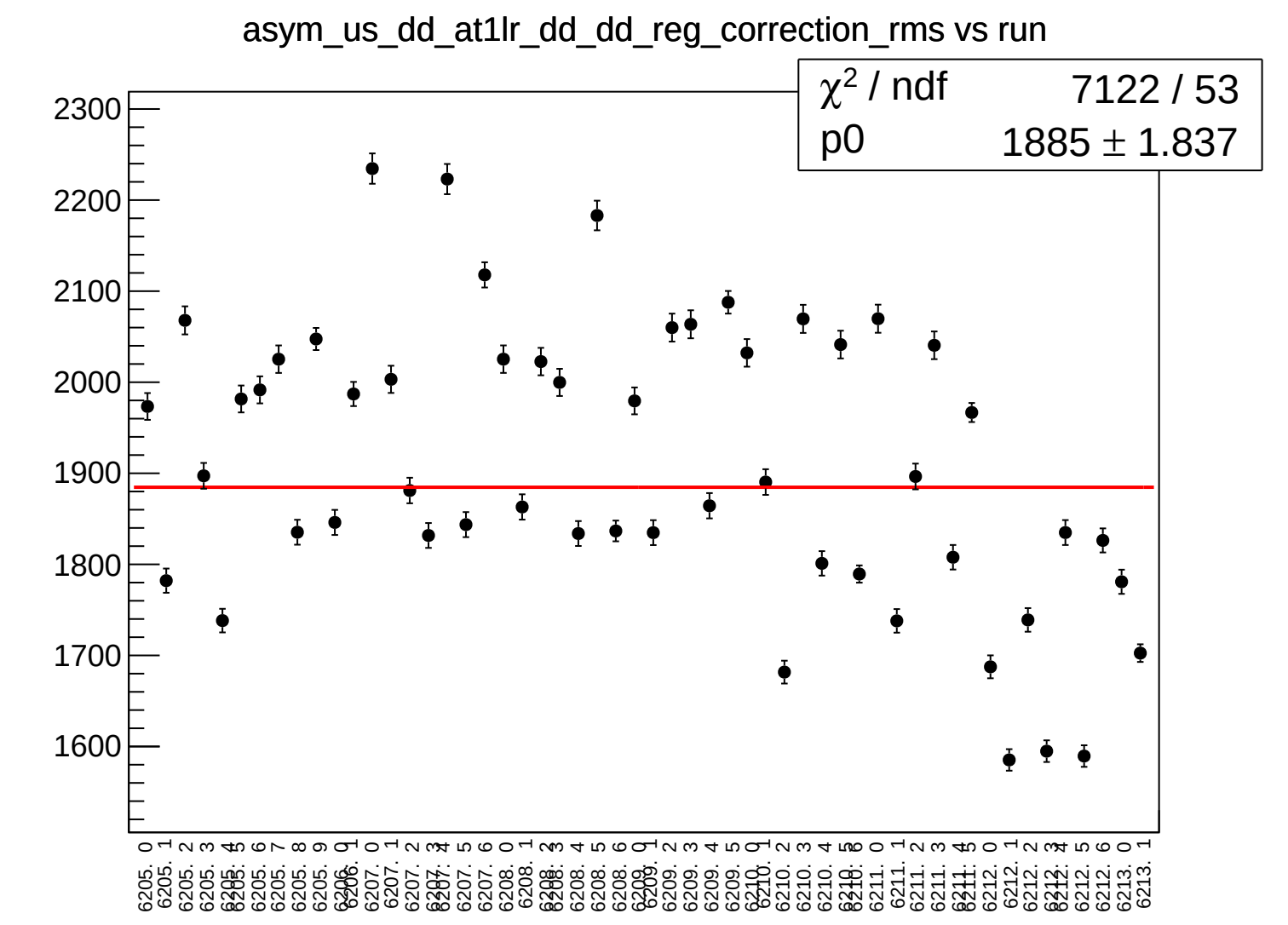

reg_asym_us_dd_at1lr_dd_dd_mean vs run
χ² / ndf 48.32 / 53
p0 −2523 ± 2489
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean −599.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

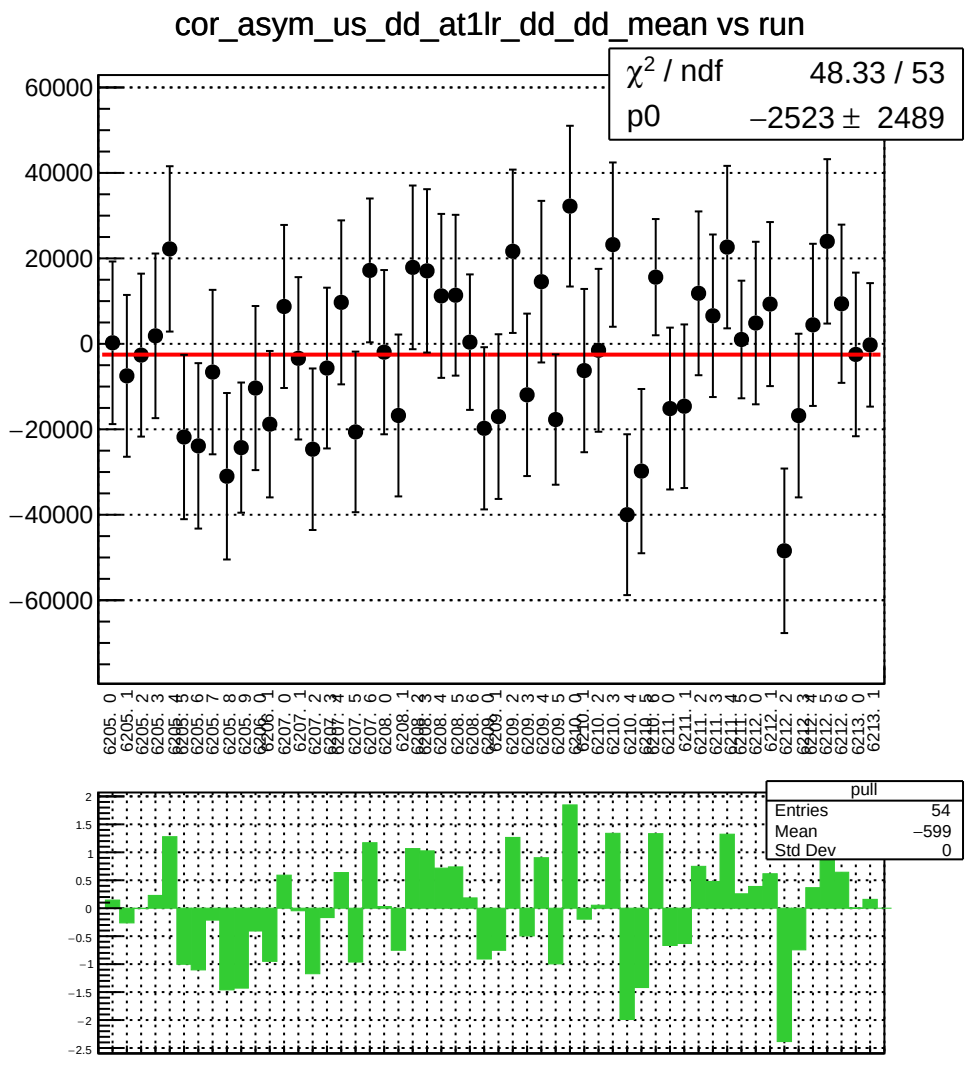

pull1D
Entries 54
Mean −0.003715
Std Dev 0.946
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

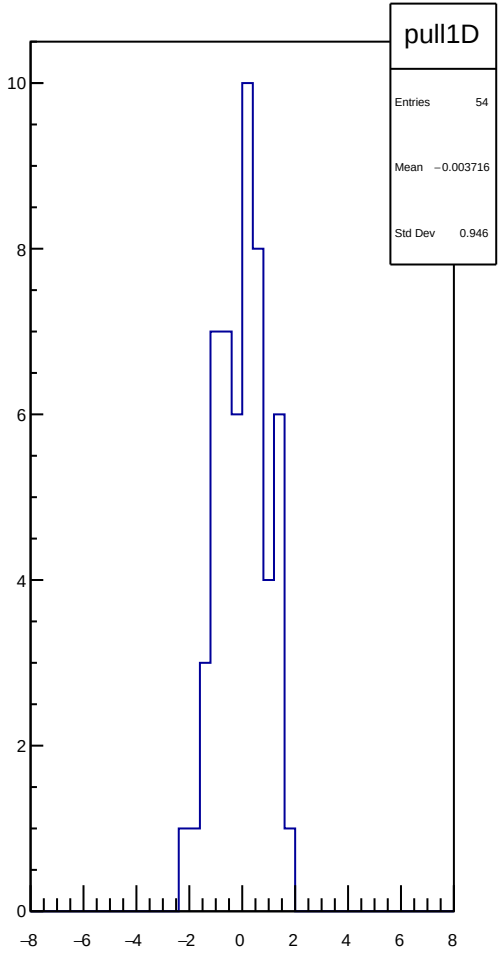

reg_asym_us_dd_at1lr_dd_dd_rms vs run
χ² / ndf 63.3 / 53
p0 1812 ± 1.76
1860
1840
1820
1800
1780
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

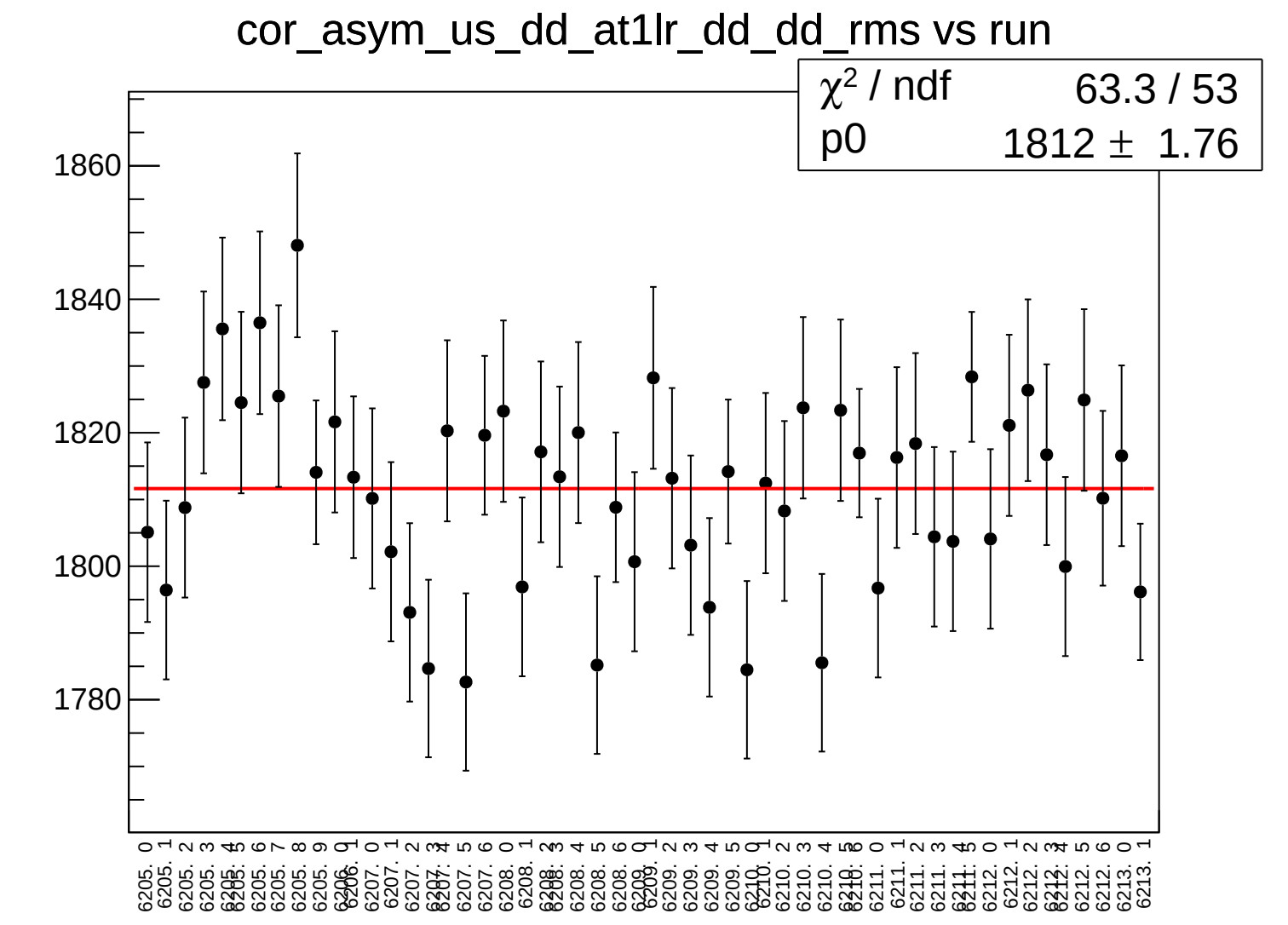

asym_us_dd_at1lr_dd_dd_reg_correction_mean vs run
χ² / ndf 41.58 / 53
p0 349.3 ± 2598
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 9.312
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

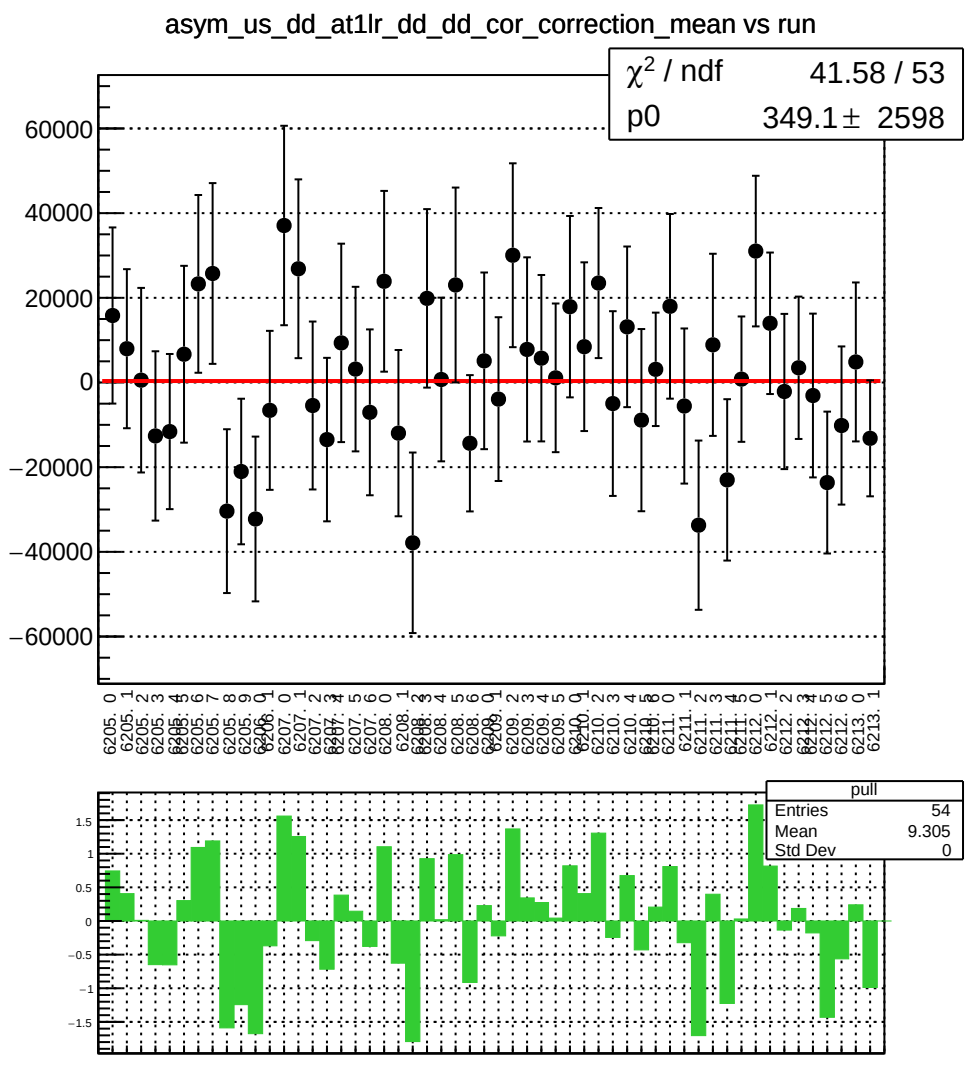

pull1D
Entries 54
Mean 0.03084
Std Dev 0.8769
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

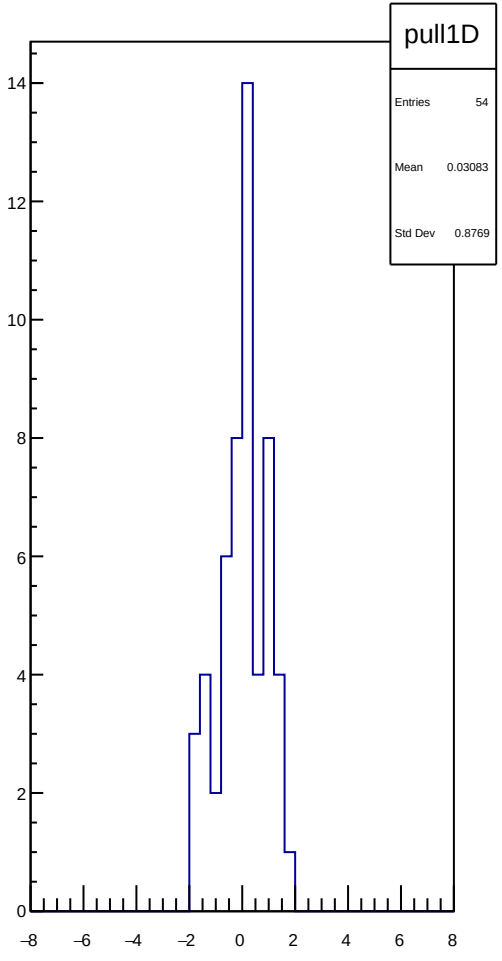

asym_us_dd_at1lr_dd_dd_reg_correction_rms vs run
χ² / ndf 7122 / 53
p0 1885 ± 1.837
2300
2200
2100
2000
1900
1800
1700
1600
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

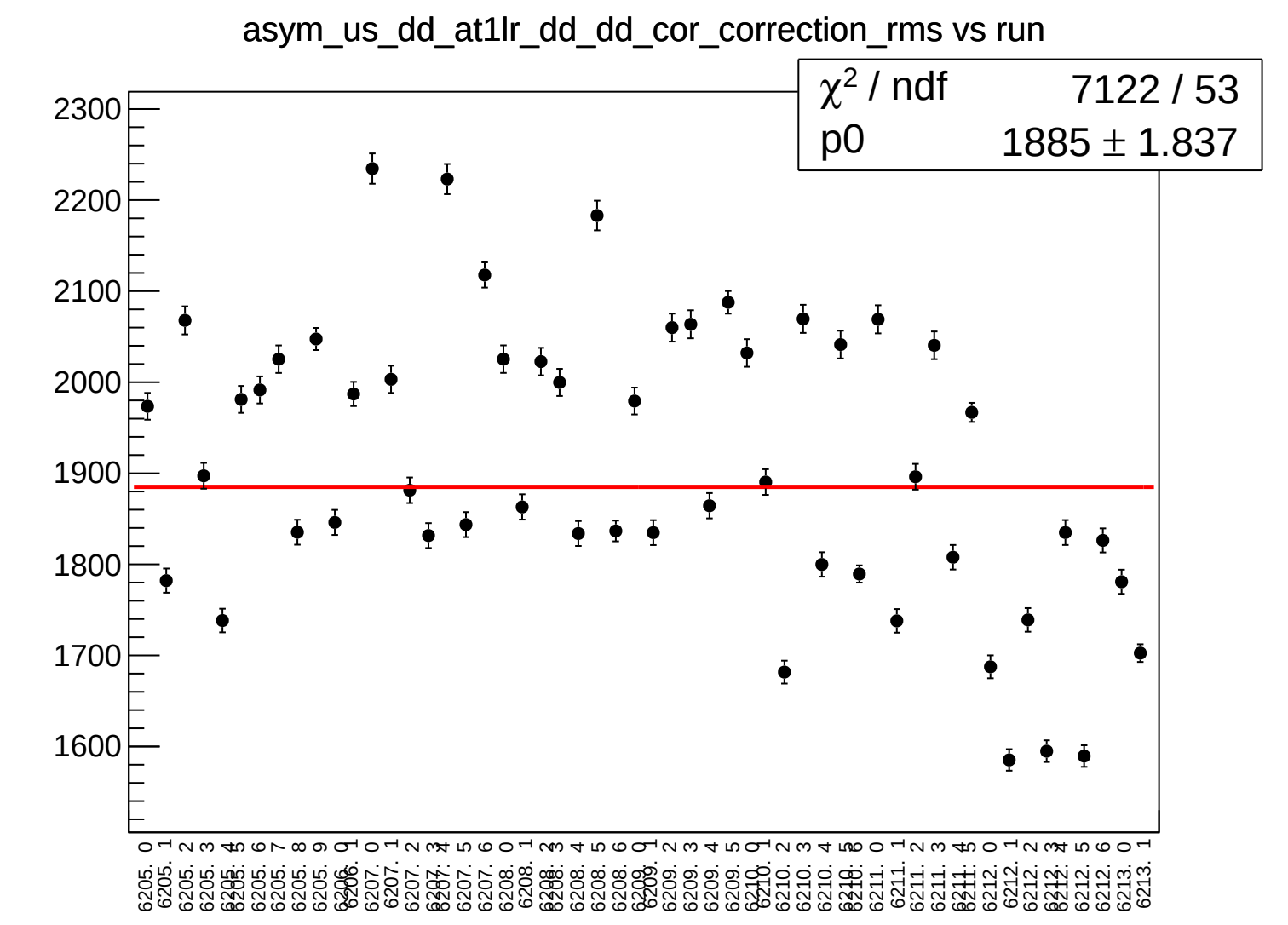

cor_asym_us_dd_at1lr_dd_dd_mean vs run
χ² / ndf 48.33 / 53
p0 −2523 ± 2489
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean −599
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

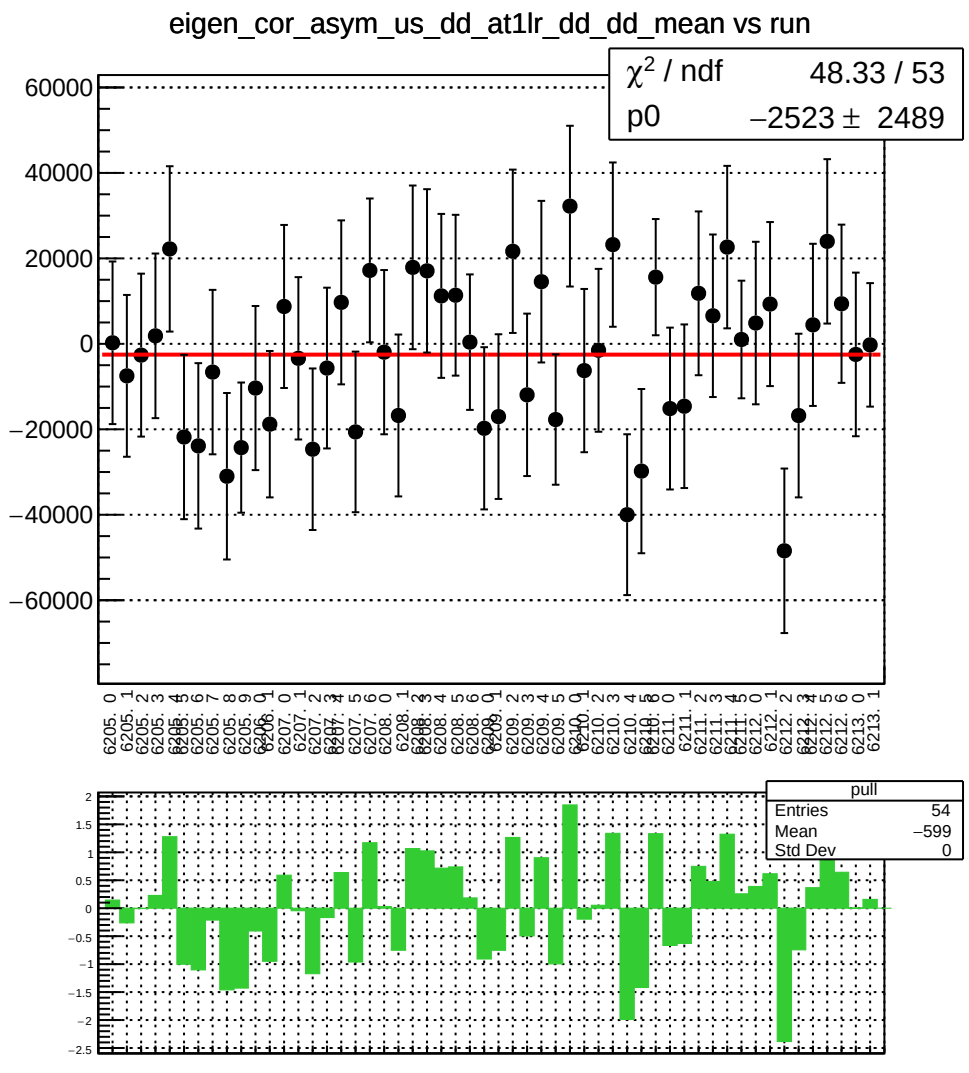

pull1D
Entries 54
Mean −0.003716
Std Dev 0.946
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

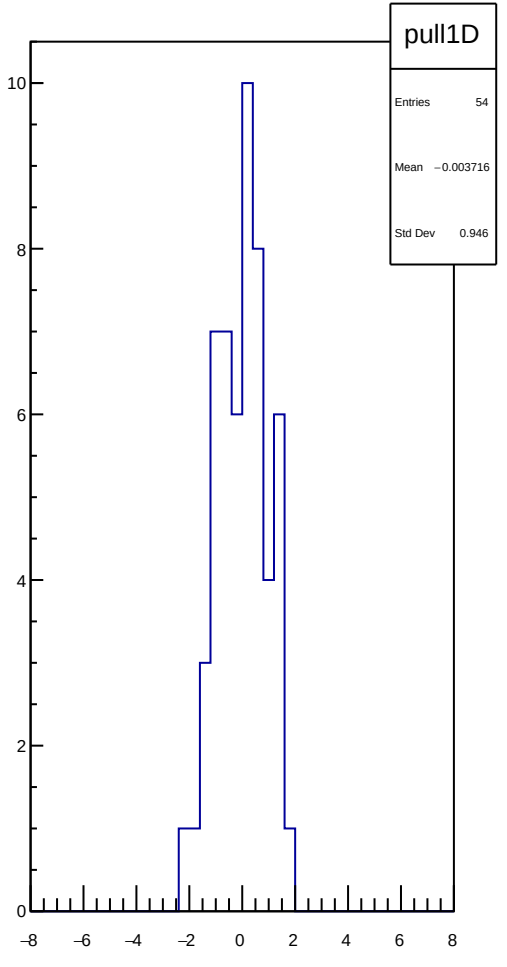

cor_asym_us_dd_at1lr_dd_dd_rms vs run
χ² / ndf 63.3 / 53
p0 1812 ± 1.76
1860
1840
1820
1800
1780
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

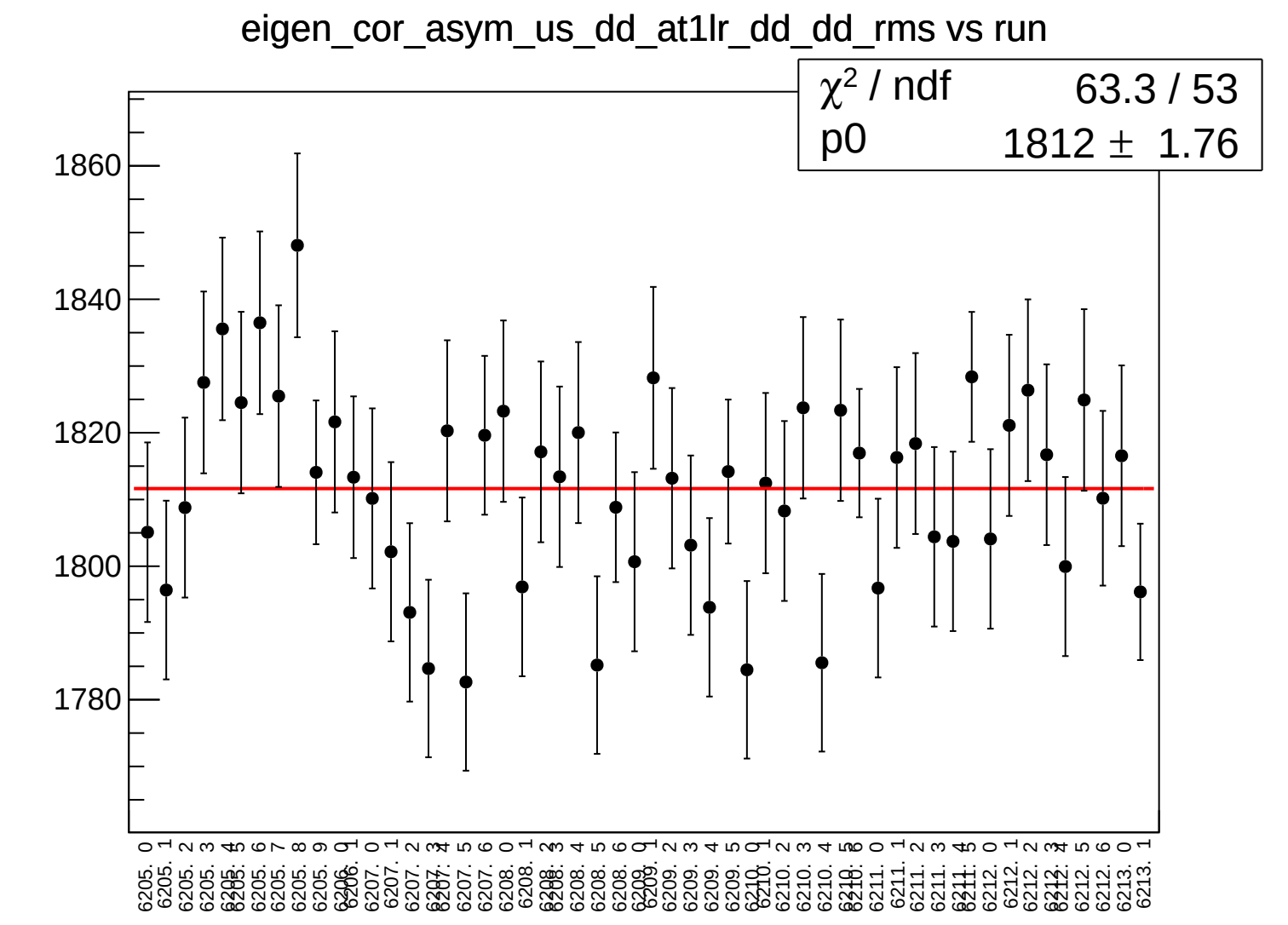

asym_us_dd_at1lr_dd_dd_cor_correction_mean vs run
χ² / ndf 41.58 / 53
p0 349.1 ± 2598
pull
Entries 54
Mean 9.305
Std Dev 0

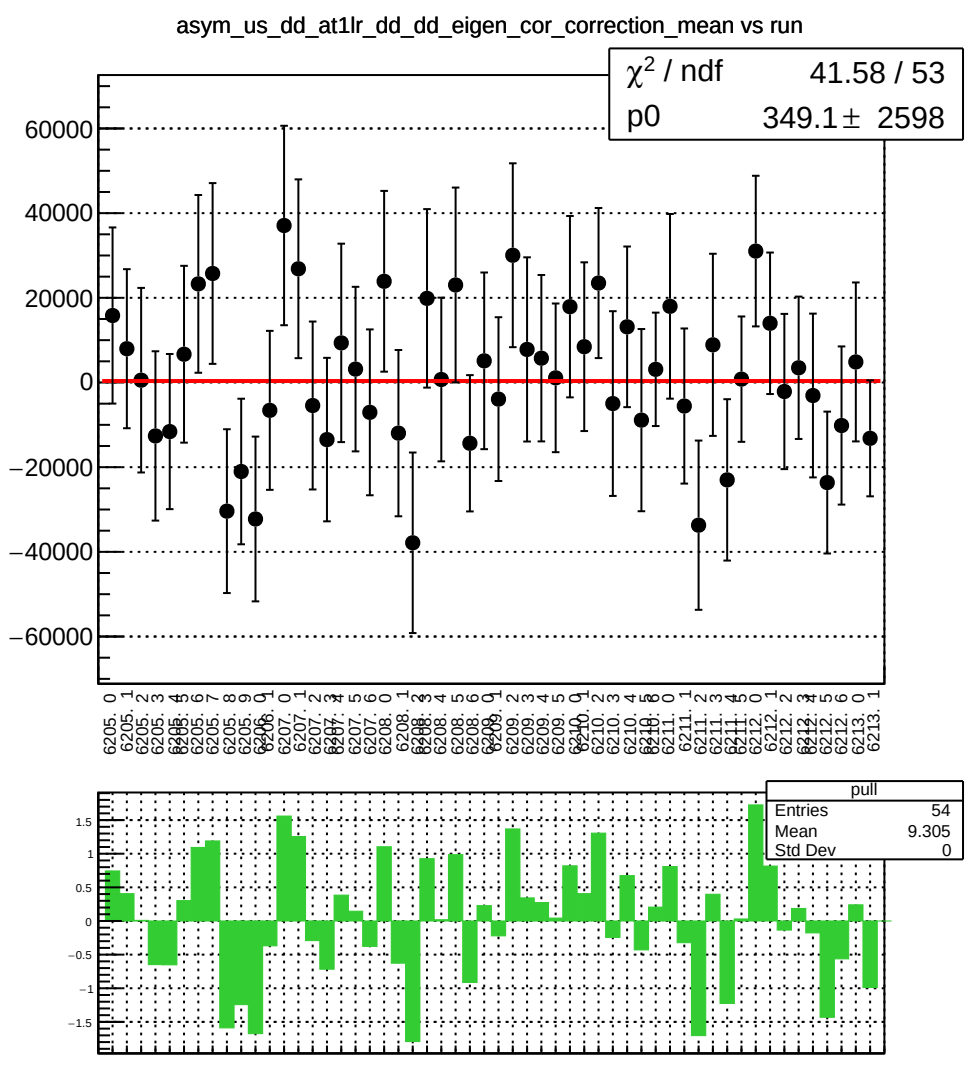

pull1D
Entries 54
Mean 0.03083
Std Dev 0.8769

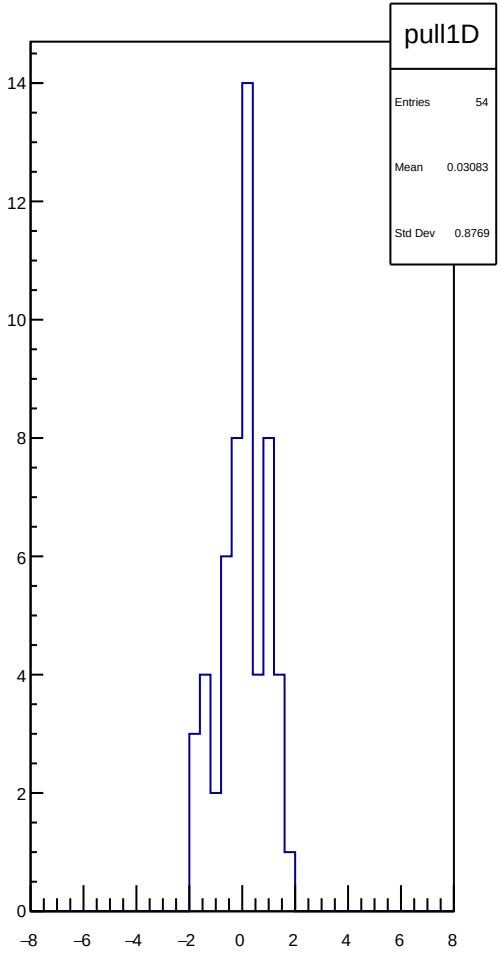

asym_us_dd_at1lr_dd_dd_cor_correction_rms vs run
χ² / ndf 7122 / 53
p0 1885 ± 1.837
2300
2200
2100
2000
1900
1800
1700
1600
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

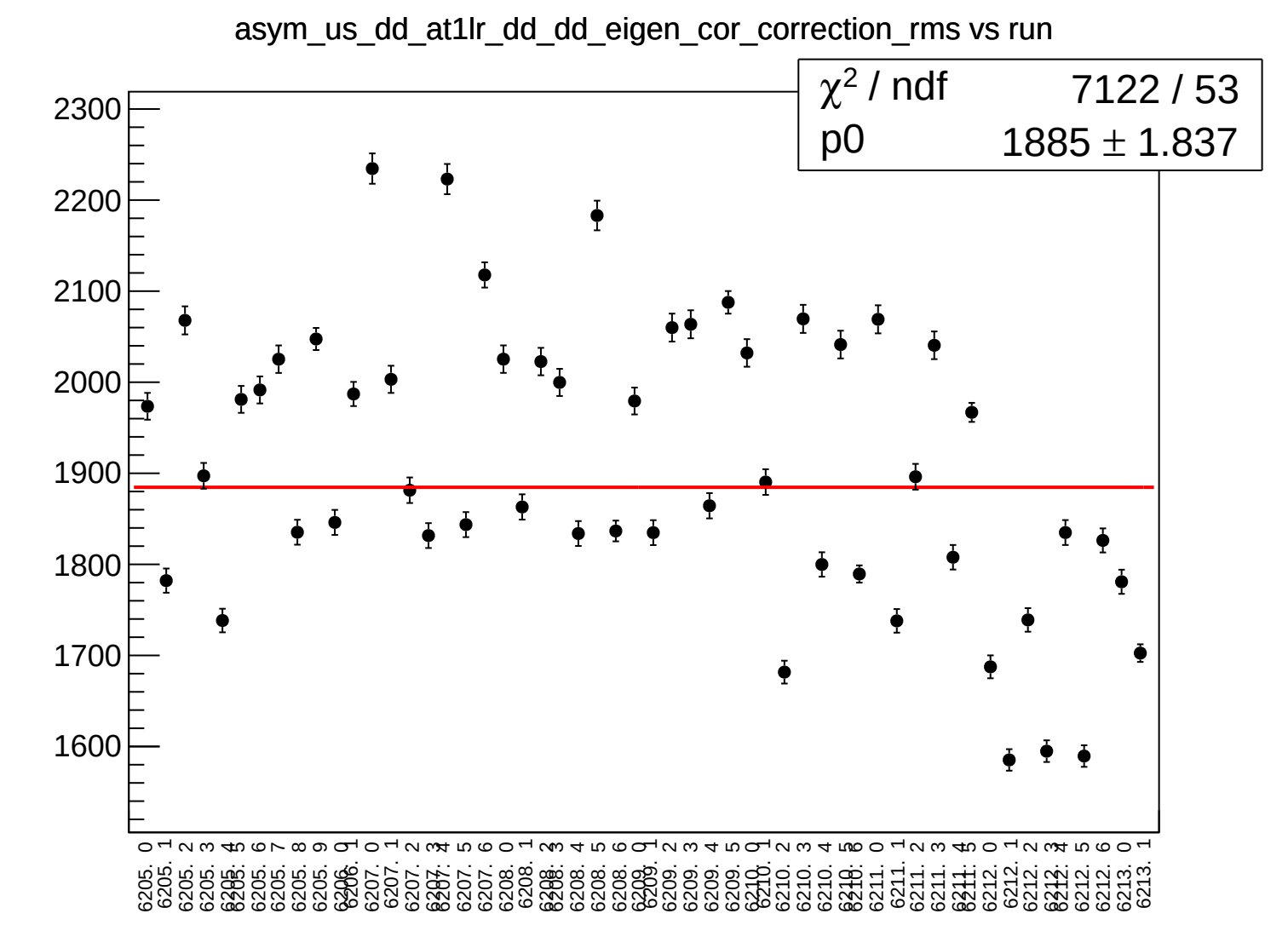

eigen_cor_asym_us_dd_at1lr_dd_dd_mean vs run
χ² / ndf 48.33 / 53
p0 −2523 ± 2489
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean −599
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

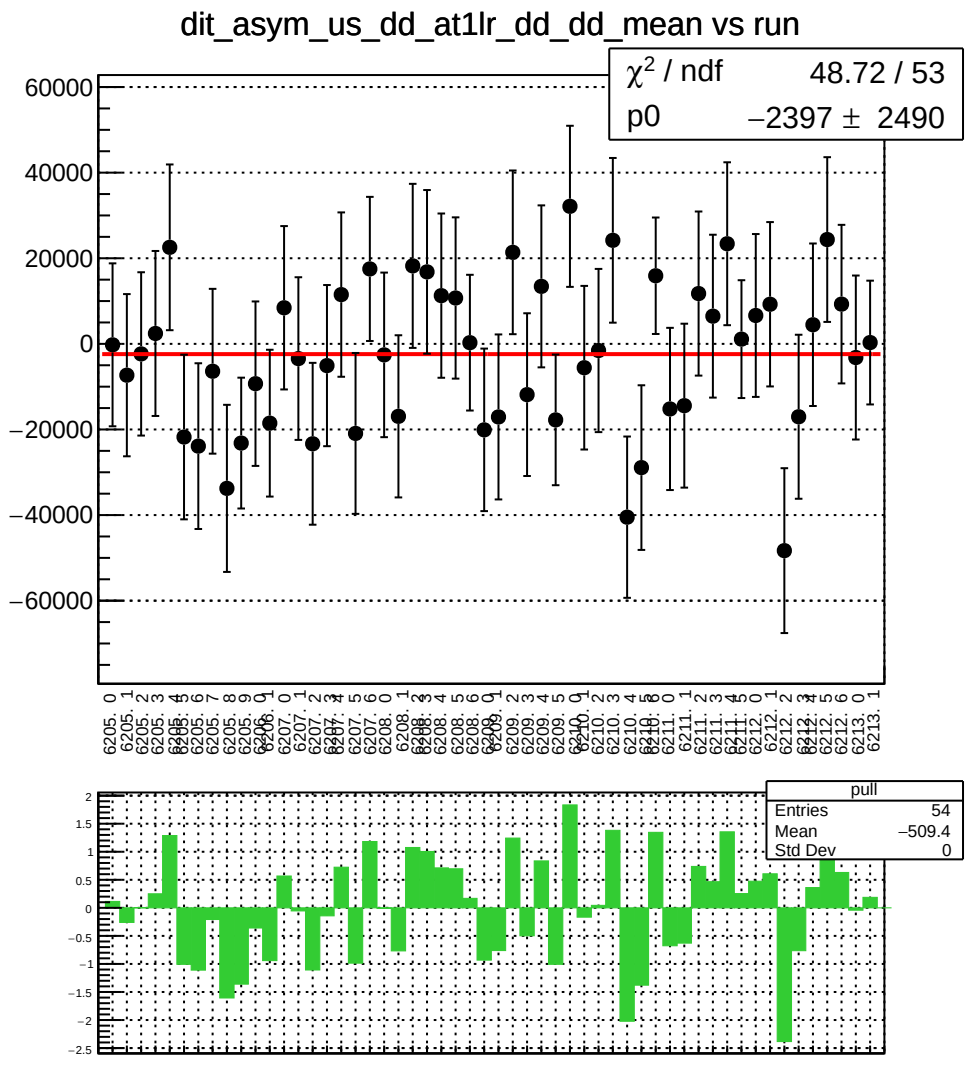

pull1D
Entries 54
Mean −0.003716
Std Dev 0.946
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

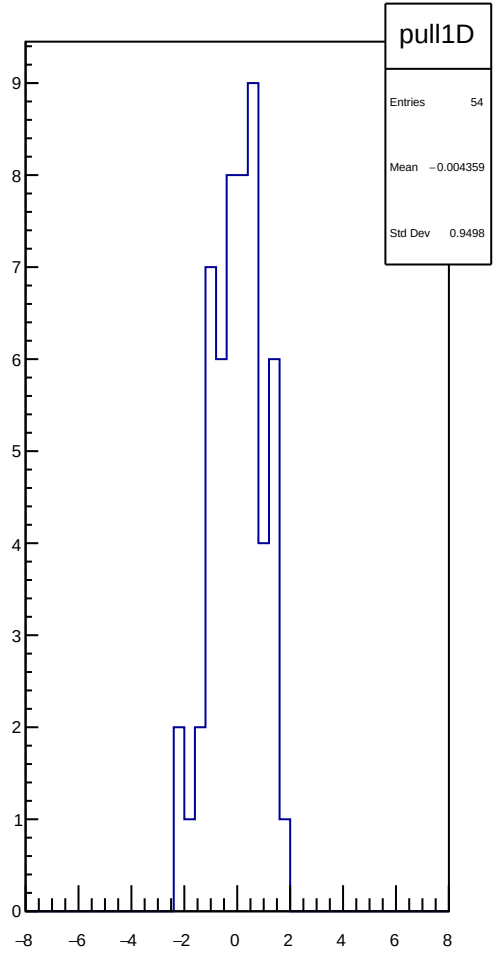

eigen_cor_asym_us_dd_at1lr_dd_dd_rms vs run
χ² / ndf 63.3 / 53
p0 1812 ± 1.76
1860
1840
1820
1800
1780
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

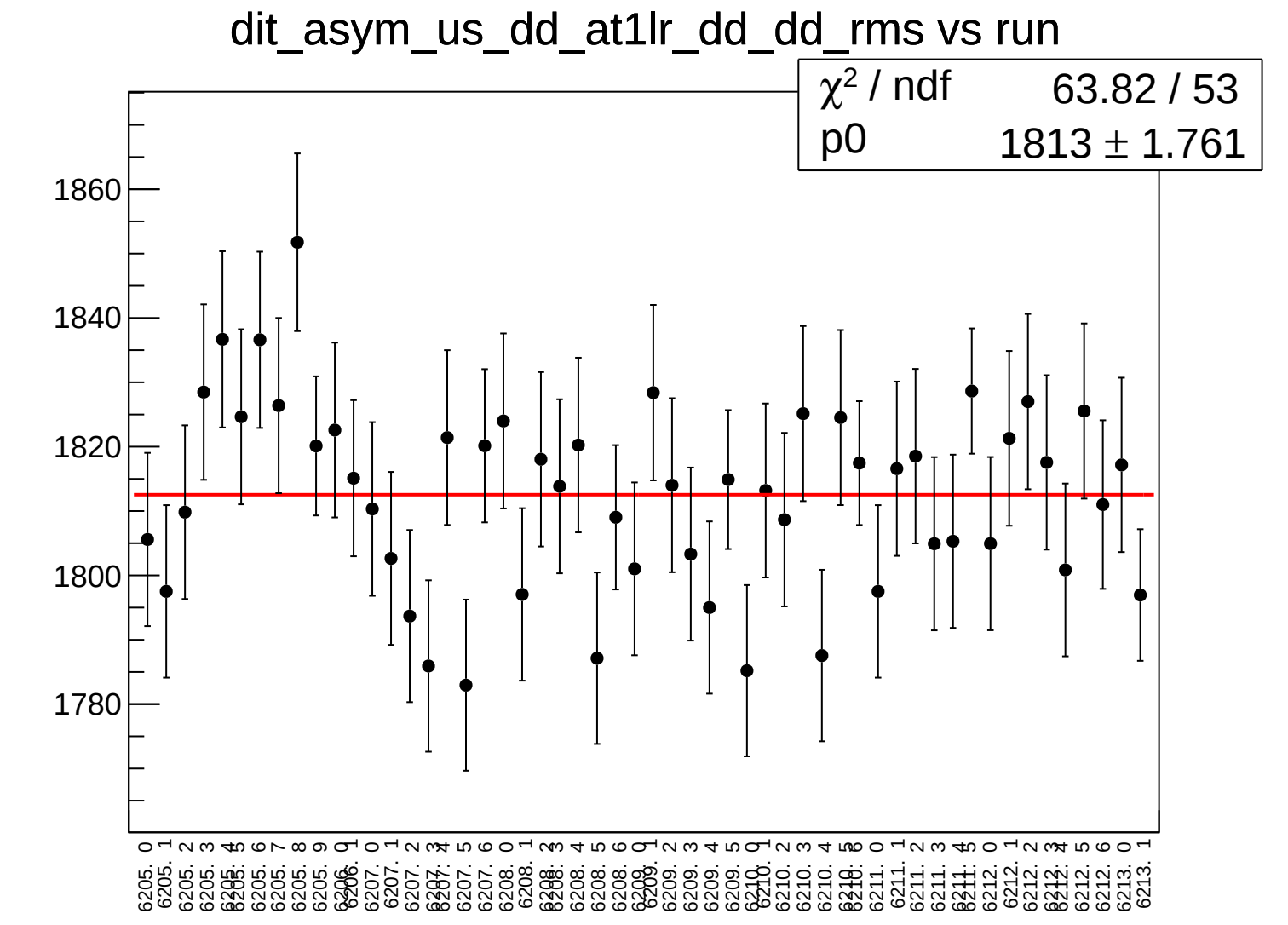

asym_us_dd_at1lr_dd_dd_eigen_cor_correction_mean vs run
χ² / ndf 41.58 / 53
p0 349.1 ± 2598
pull
Entries 54
Mean 9.305
Std Dev 0


pull1D
Entries 54
Mean 0.03083
Std Dev 0.8769


asym_us_dd_at1lr_dd_dd_eigen_cor_correction_rms vs run
χ² / ndf 7122 / 53
p0 1885 ± 1.837
2300
2200
2100
2000
1900
1800
1700
1600
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


dit_asym_us_dd_at1lr_dd_dd_mean vs run
χ² / ndf 48.72 / 53
p0 −2397 ± 2490
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean −509.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 54
Mean −0.004359
Std Dev 0.9498
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_us_dd_at1lr_dd_dd_rms vs run
χ² / ndf 63.82 / 53
p0 1813 ± 1.761
1860
1840
1820
1800
1780
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
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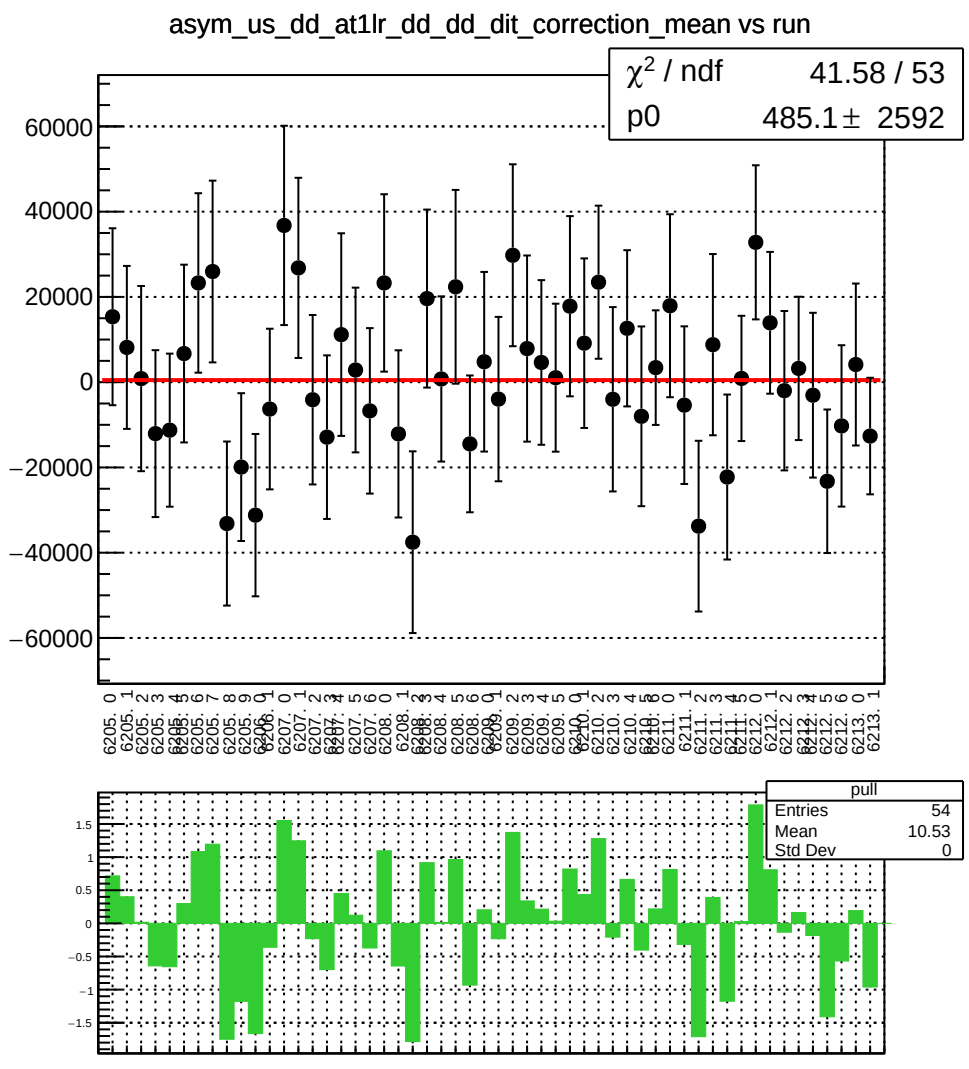
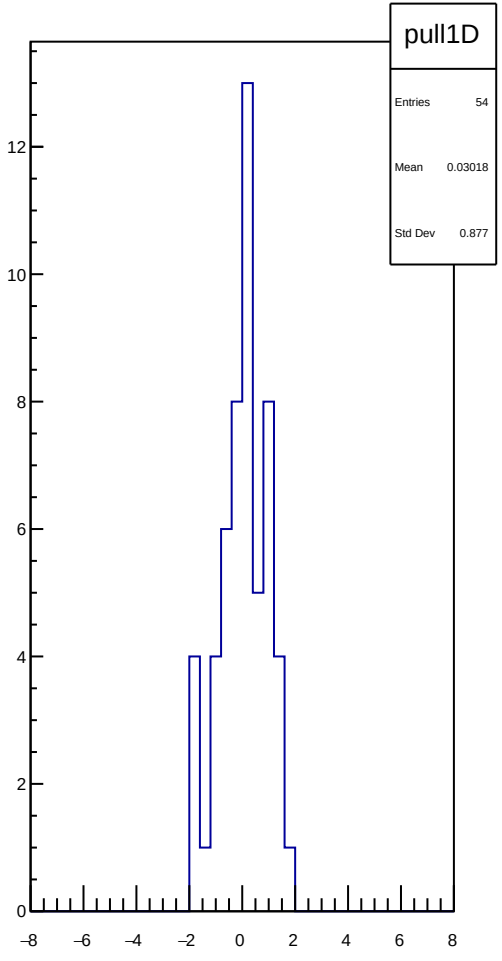
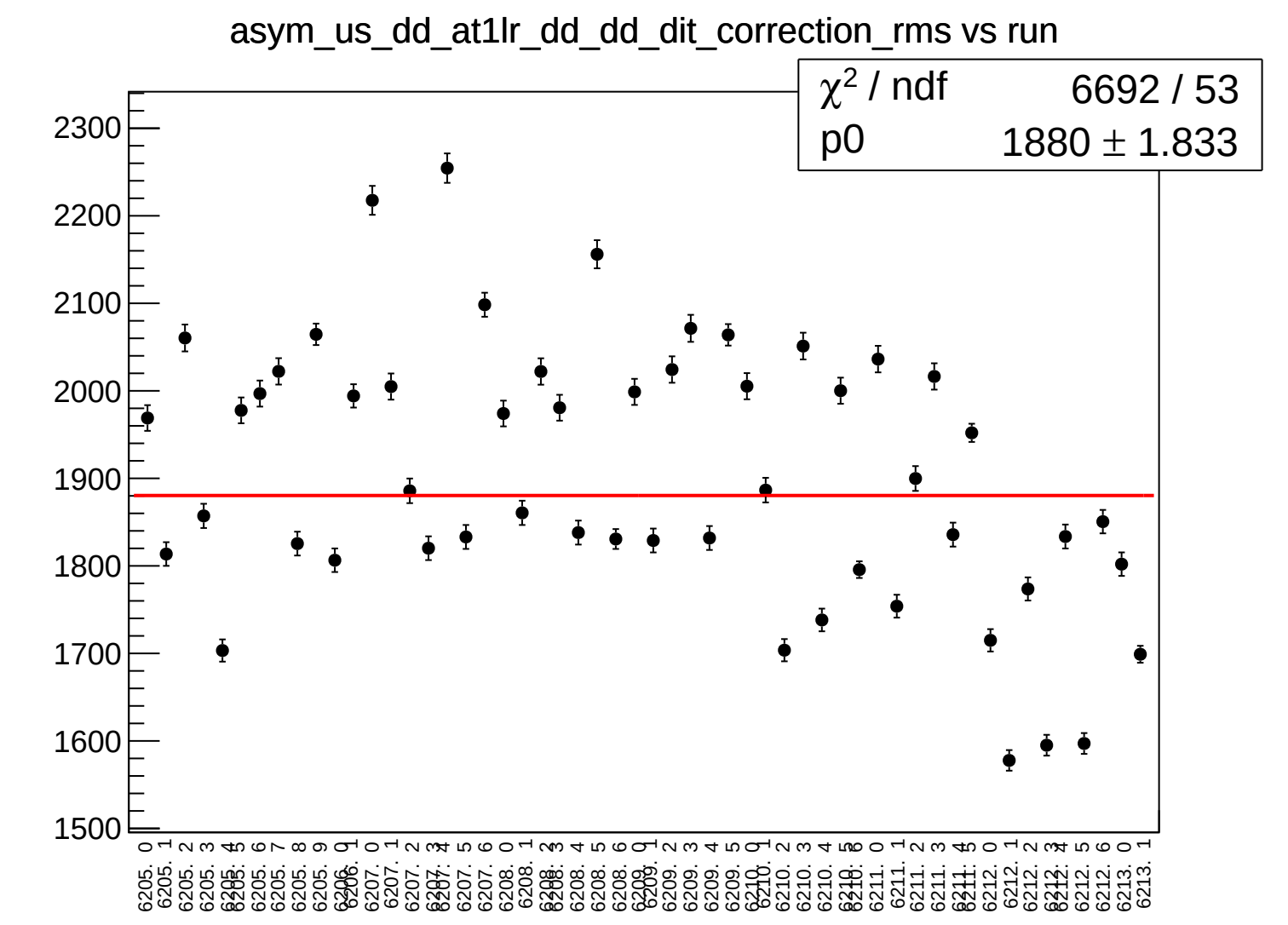
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_us_dd_at1lr_dd_dd_dit_correction_mean vs run
χ² / ndf 41.58 / 53
p0 485.1 ± 2592
pull
Entries 54
Mean 10.53
Std Dev 0


pull1D
Entries 54
Mean 0.03018
Std Dev 0.877


asym_us_dd_at1lr_dd_dd_dit_correction_rms vs run
χ² / ndf 6692 / 53
p0 1880 ± 1.833
2300
2200
2100
2000
1900
1800
1700
1600
1500
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
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6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
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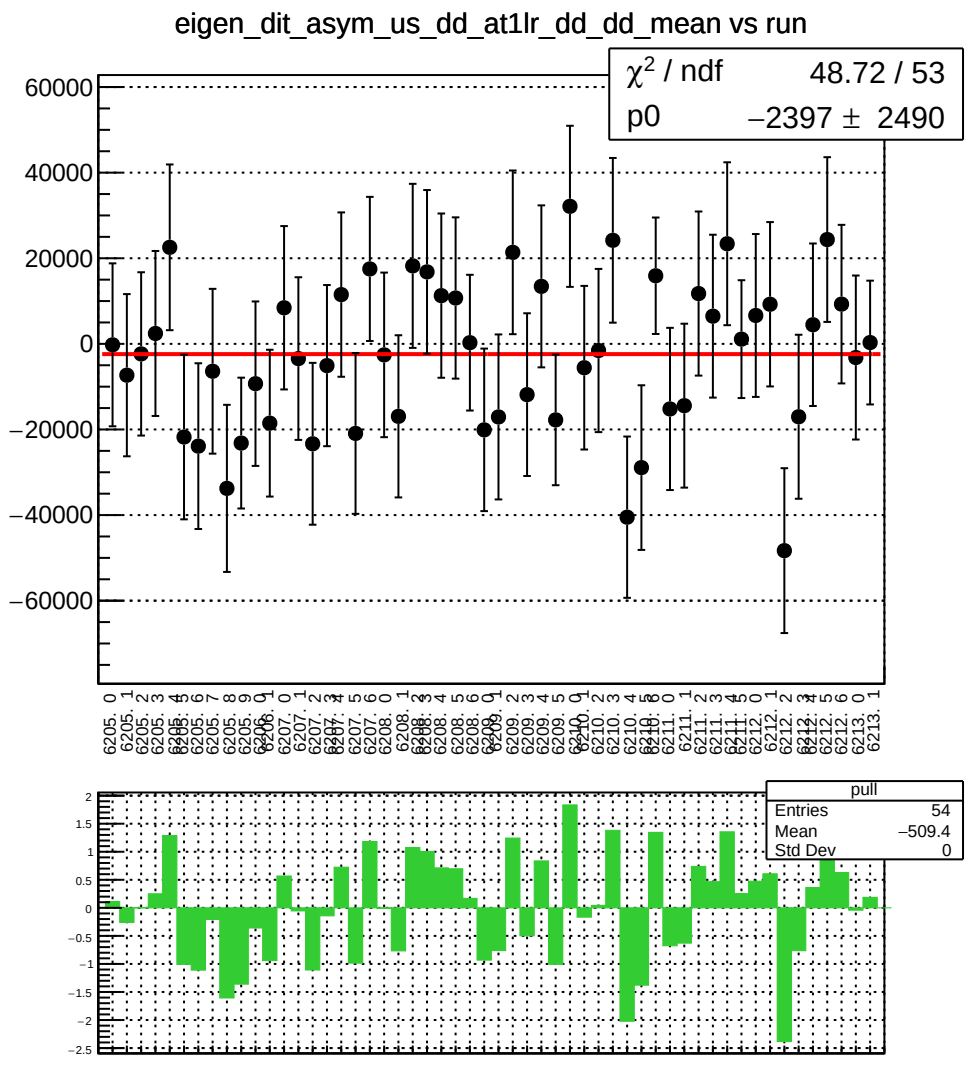
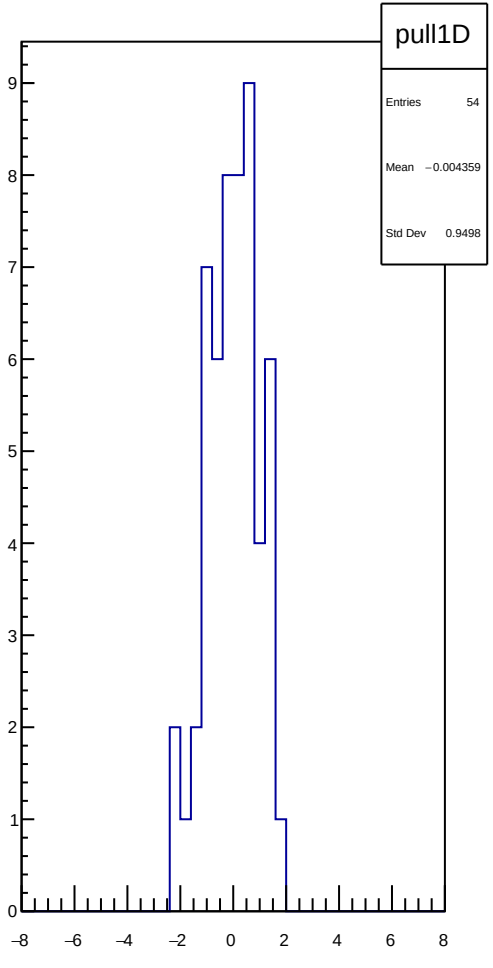
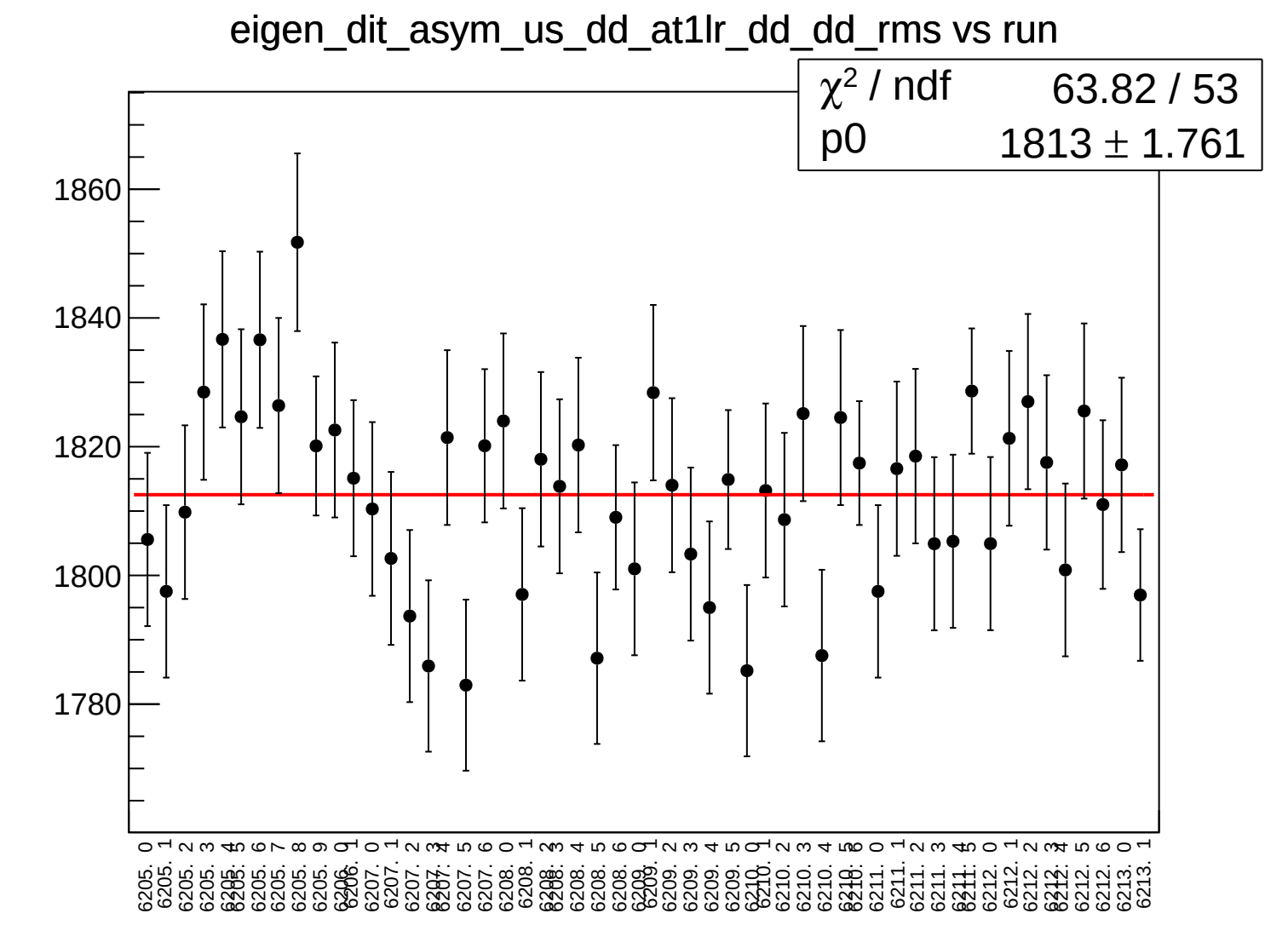
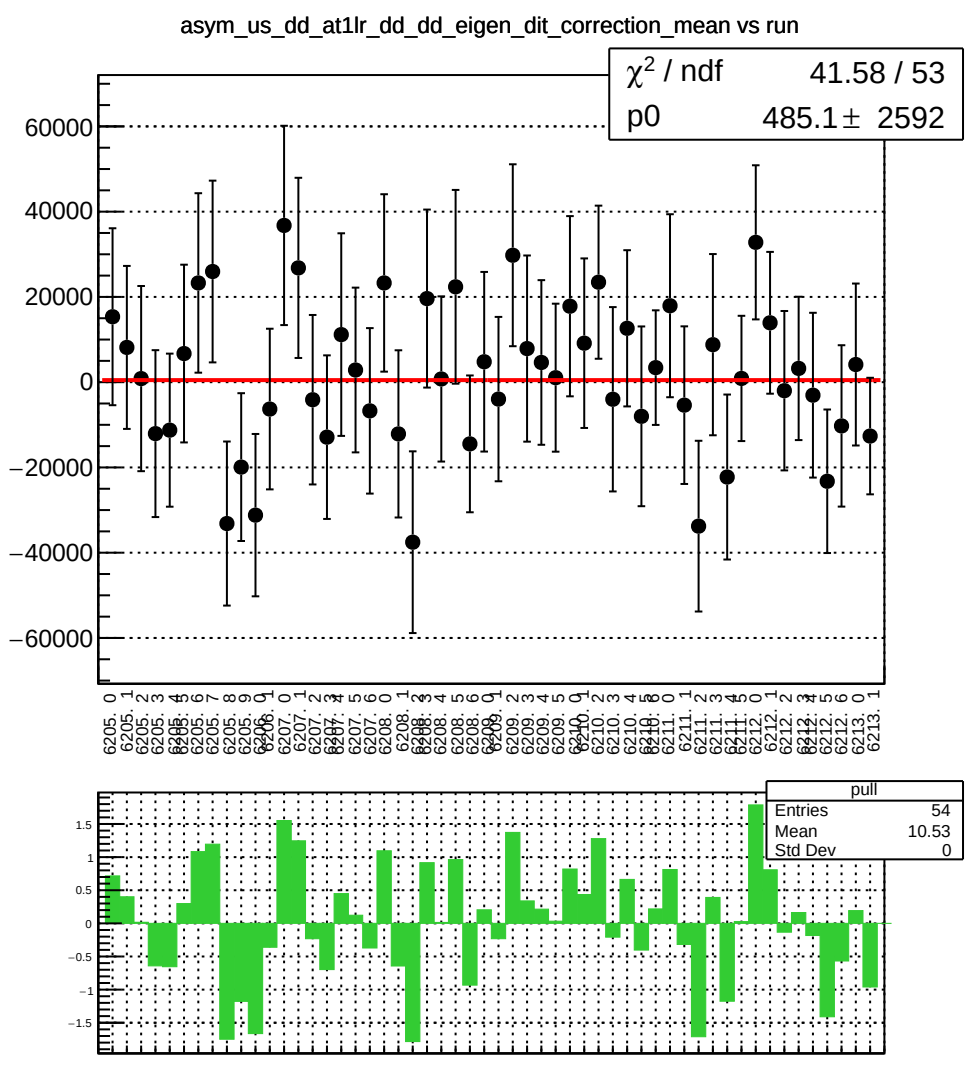
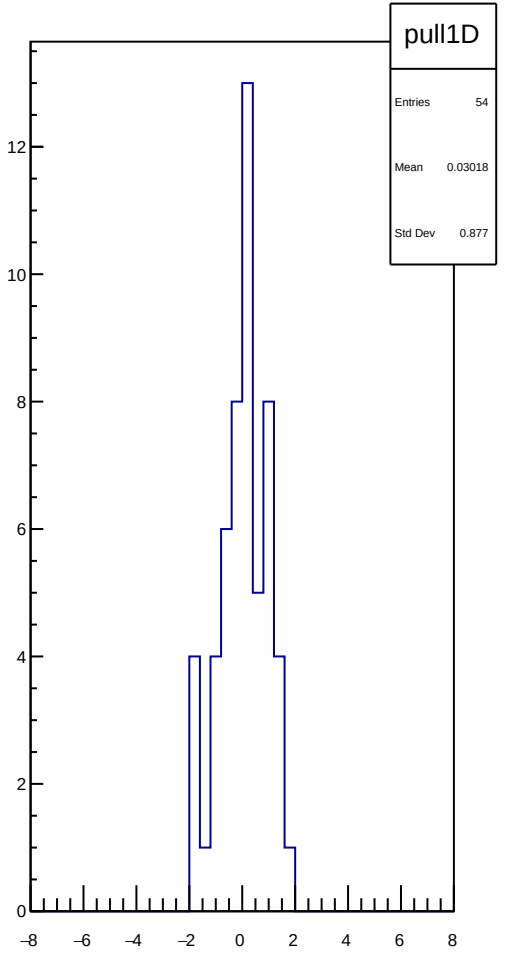
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

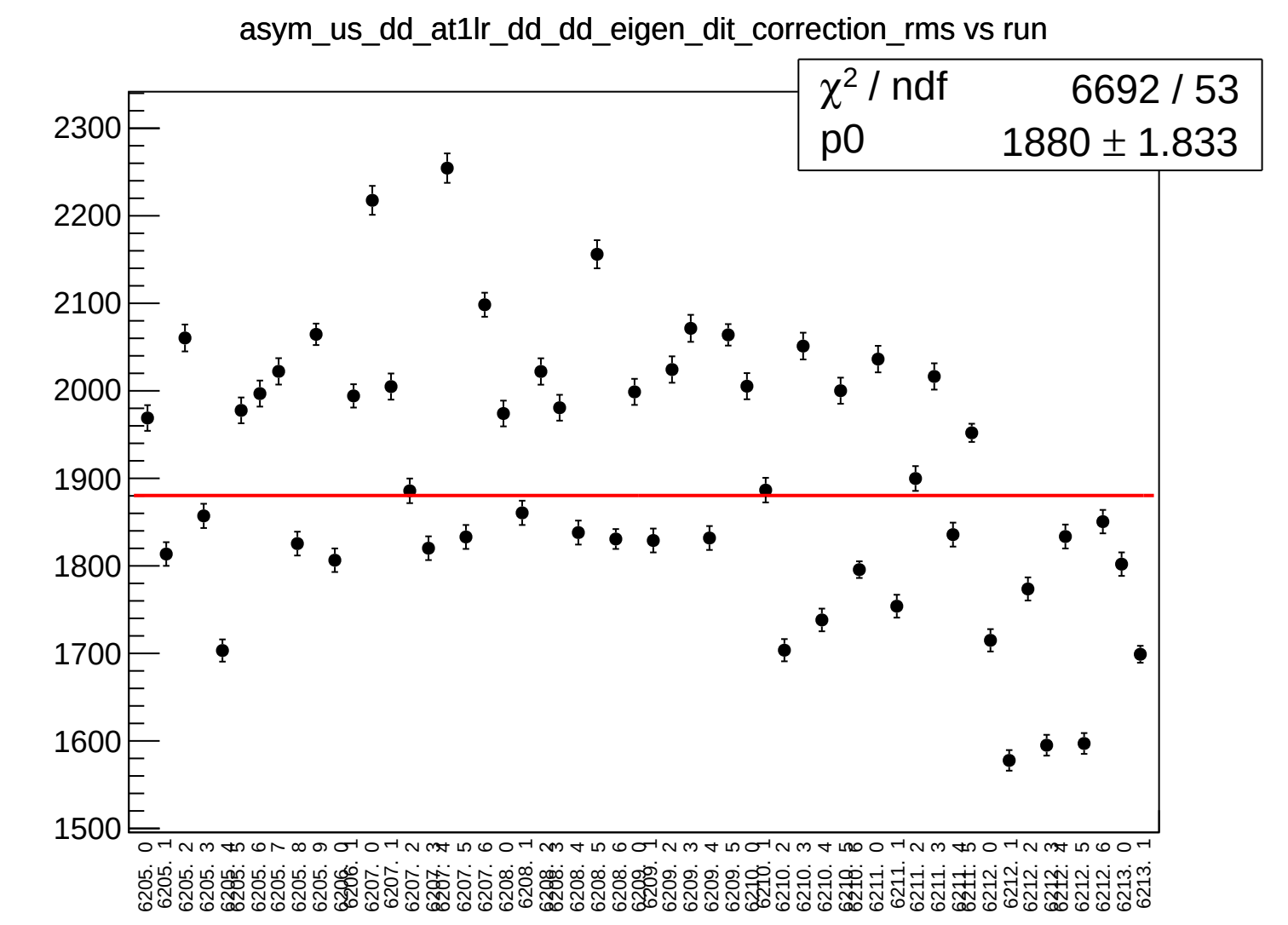

eigen_dit_asym_us_dd_at1lr_dd_dd_mean vs run
χ² / ndf 48.72 / 53
p0 −2397 ± 2490
pull
Entries 54
Mean −509.4
Std Dev 0

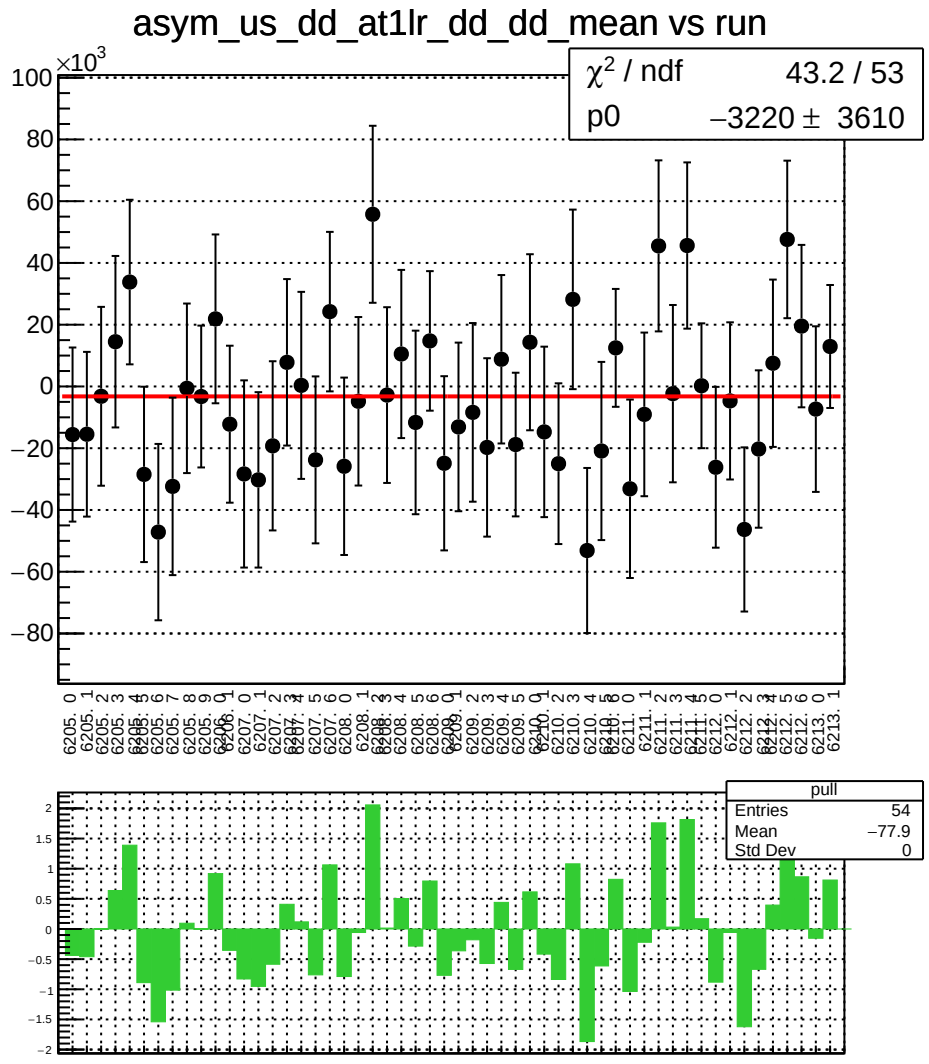

pull1D
Entries 54
Mean −0.004359
Std Dev 0.9498

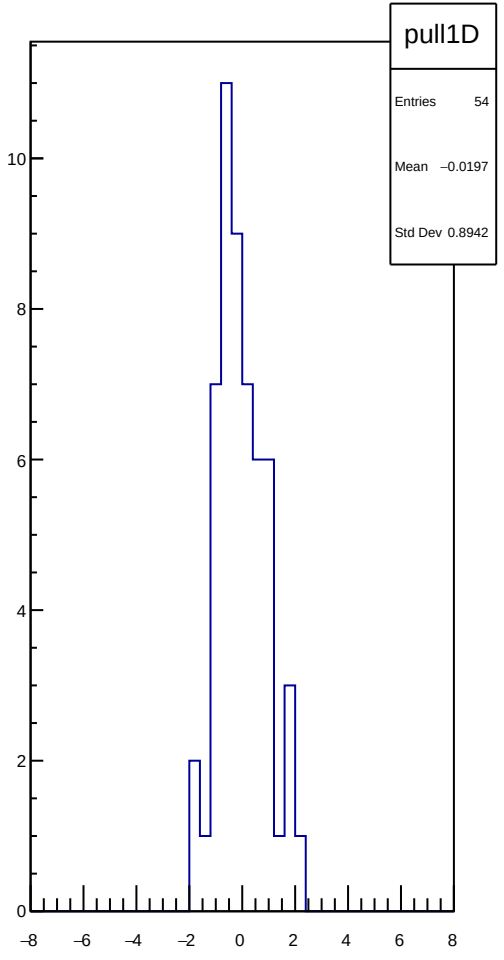

eigen_dit_asym_us_dd_at1lr_dd_dd_rms vs run
χ² / ndf 63.82 / 53
p0 1813 ± 1.761
1860
1840
1820
1800
1780
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

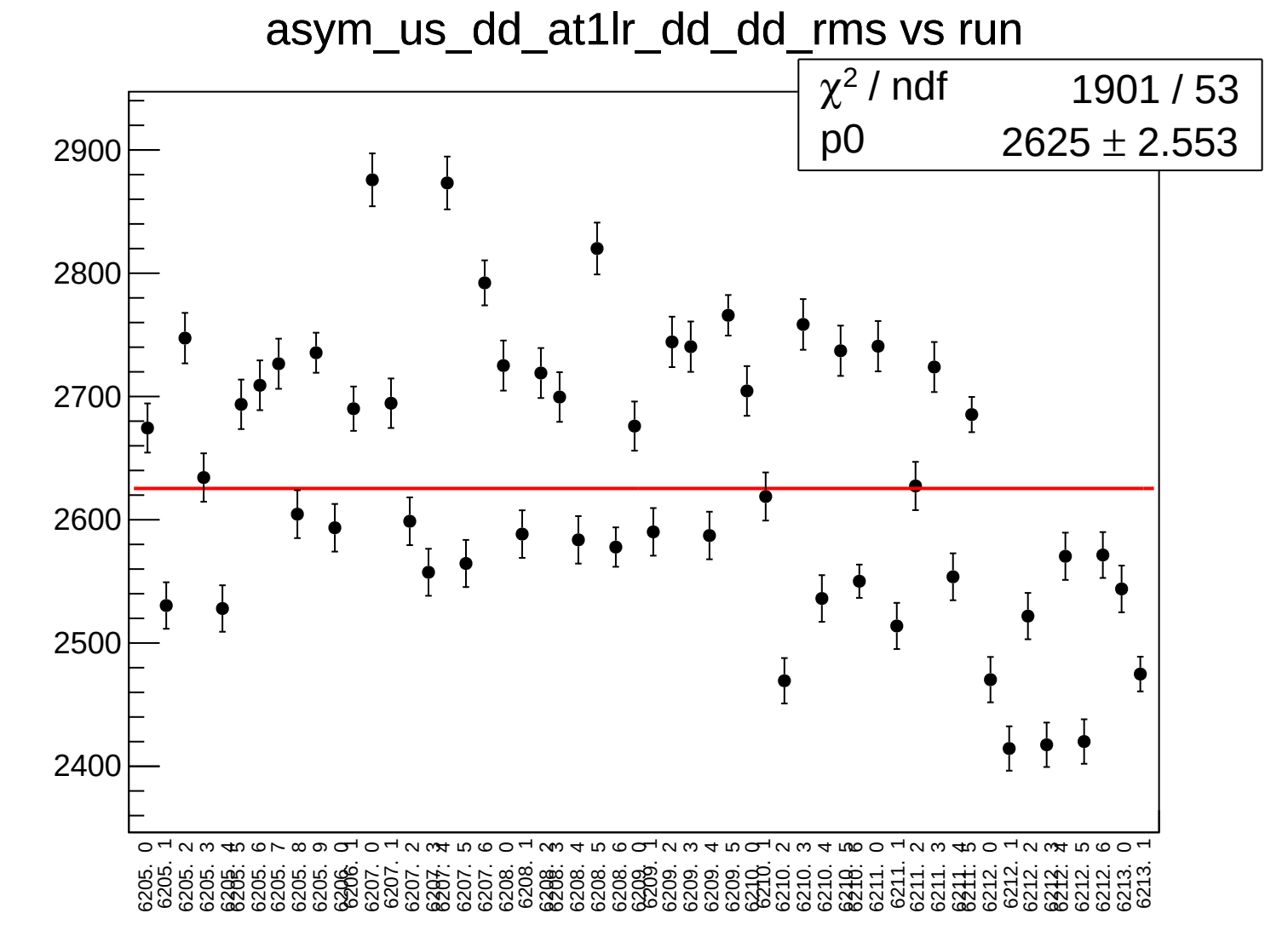

asym_us_dd_at1lr_dd_dd_eigen_dit_correction_mean vs run
χ² / ndf 41.58 / 53
p0 485.1 ± 2592
pull
Entries 54
Mean 10.53
Std Dev 0

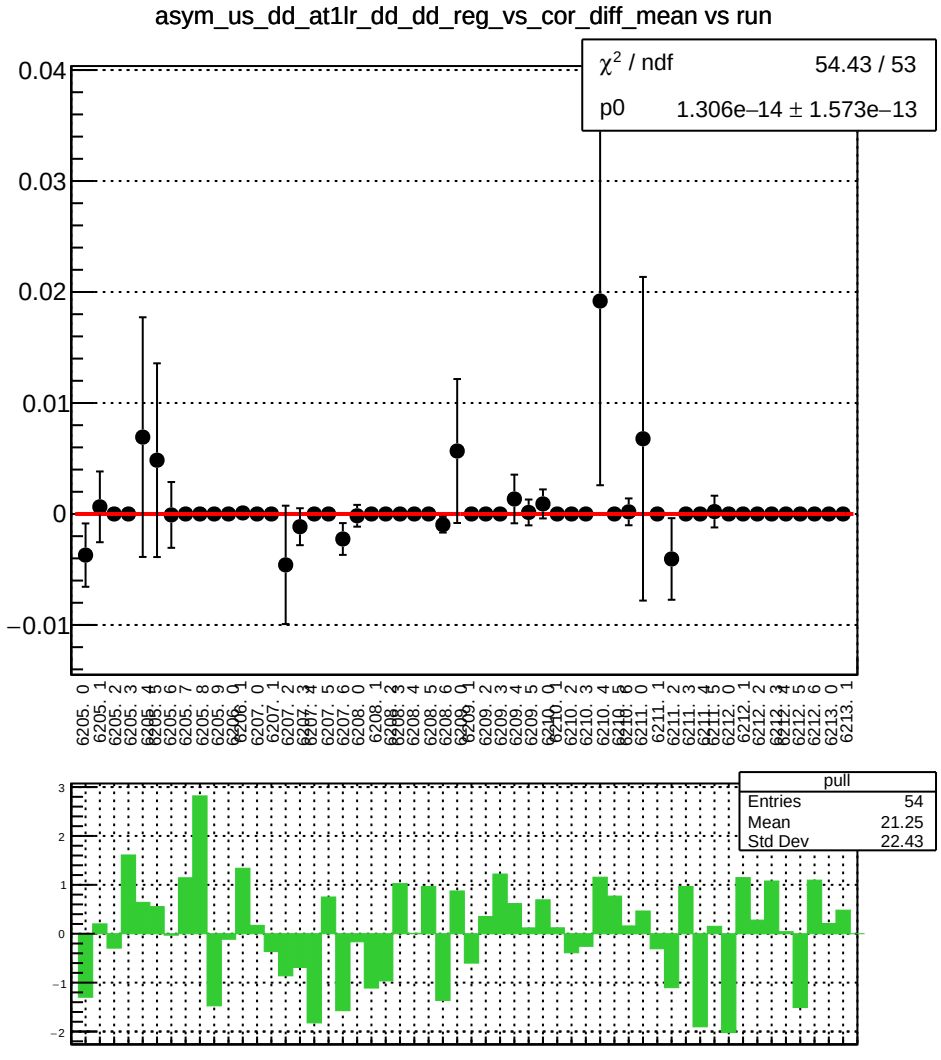

pull1D
Entries 54
Mean 0.03018
Std Dev 0.877

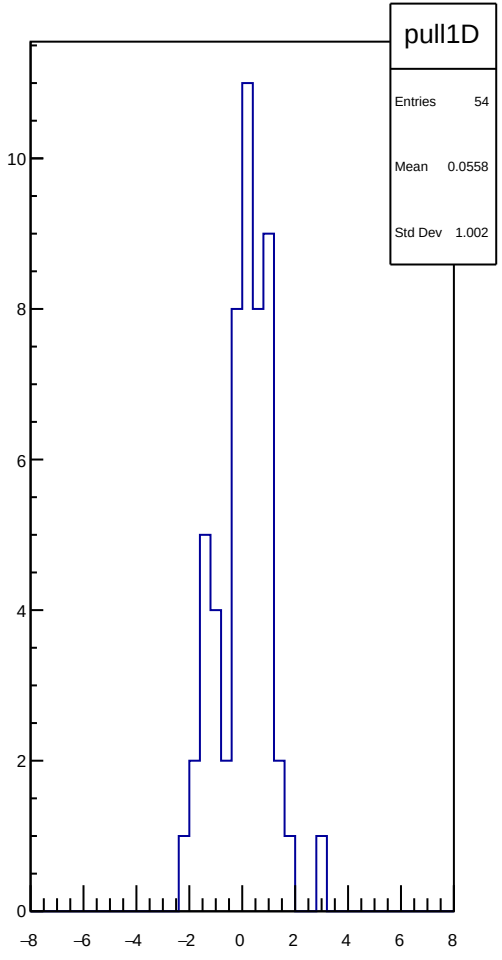

asym_us_dd_at1lr_dd_dd_eigen_dit_correction_rms vs run
χ² / ndf 6692 / 53
p0 1880 ± 1.833
2300
2200
2100
2000
1900
1800
1700
1600
1500
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

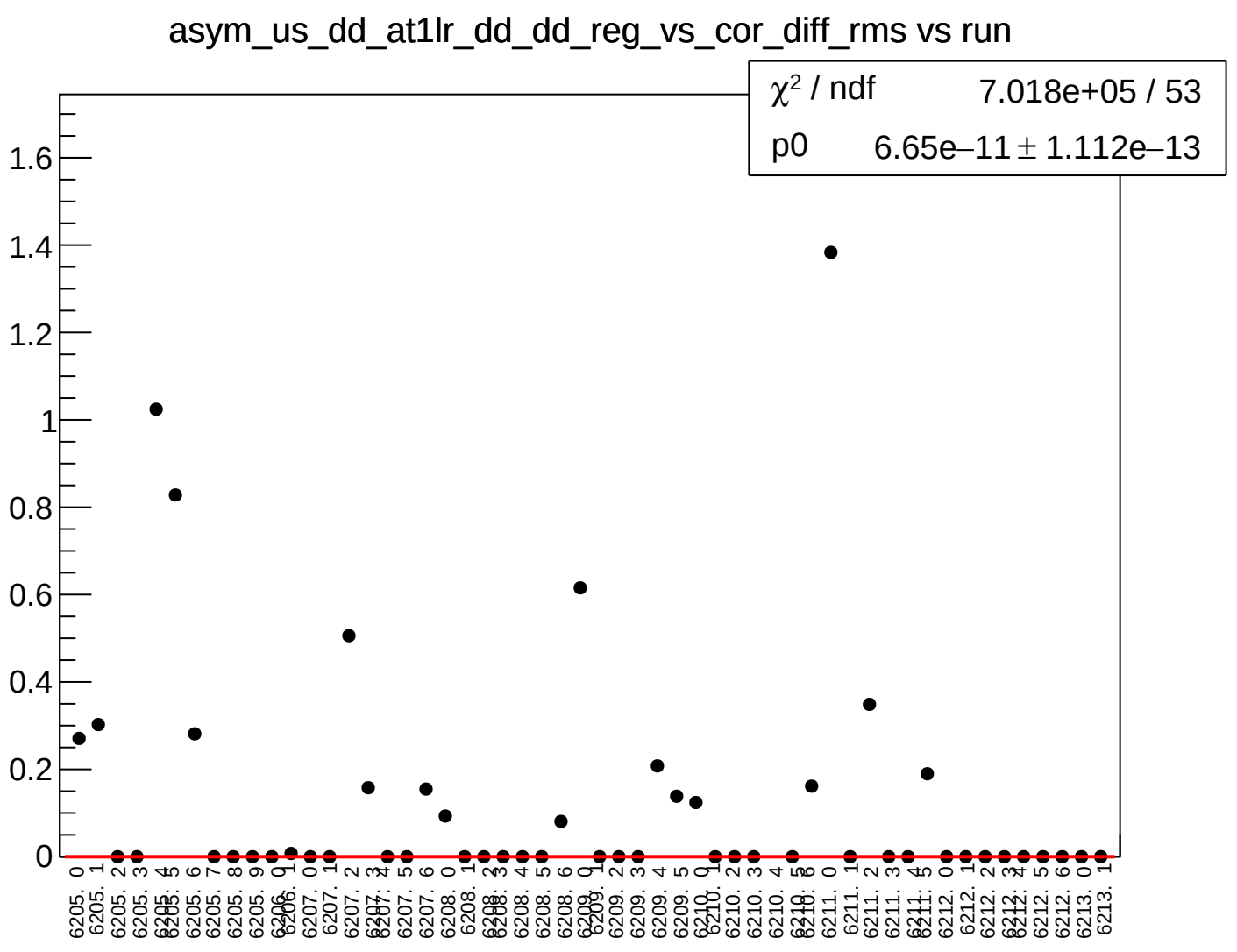

asym_us_dd_at1lr_dd_dd_mean vs run
×10^3
χ² / ndf 43.2 / 53
p0 −3220 ± 3610
pull
Entries 54
Mean −77.9
Std Dev 0

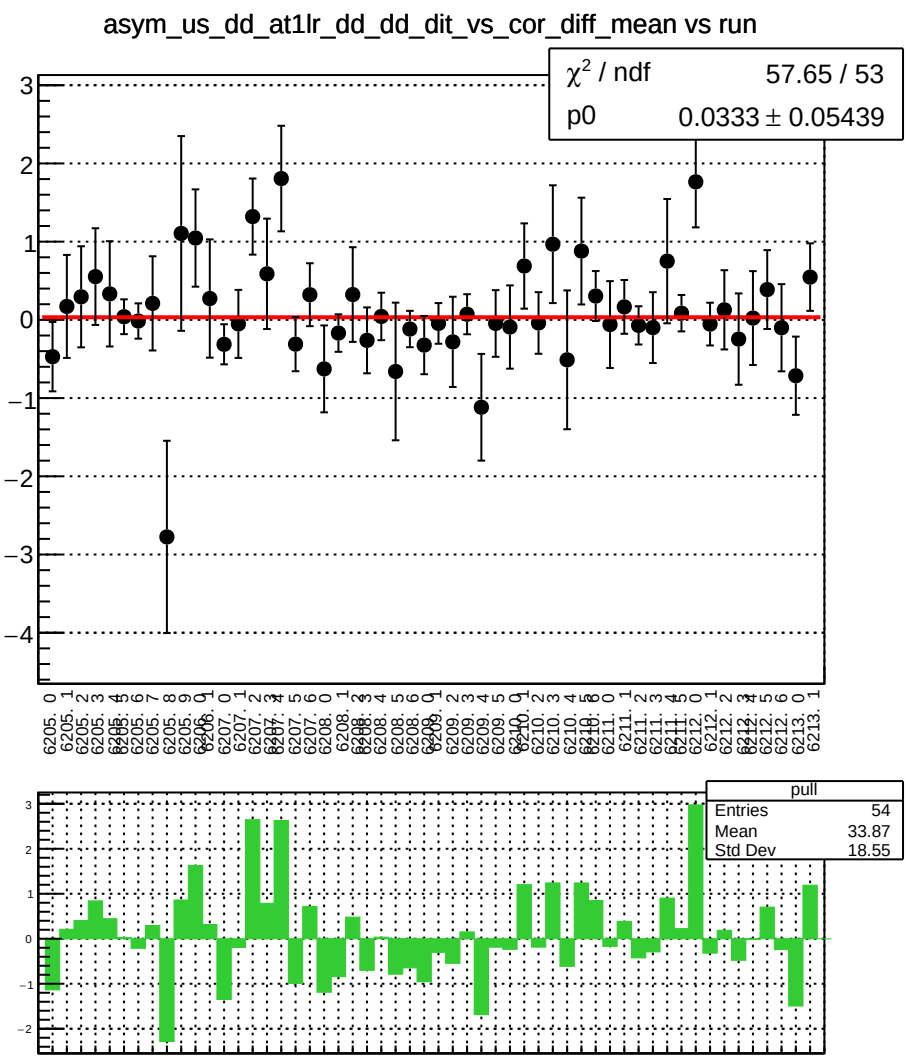

pull1D
Entries 54
Mean −0.0197
Std Dev 0.8942

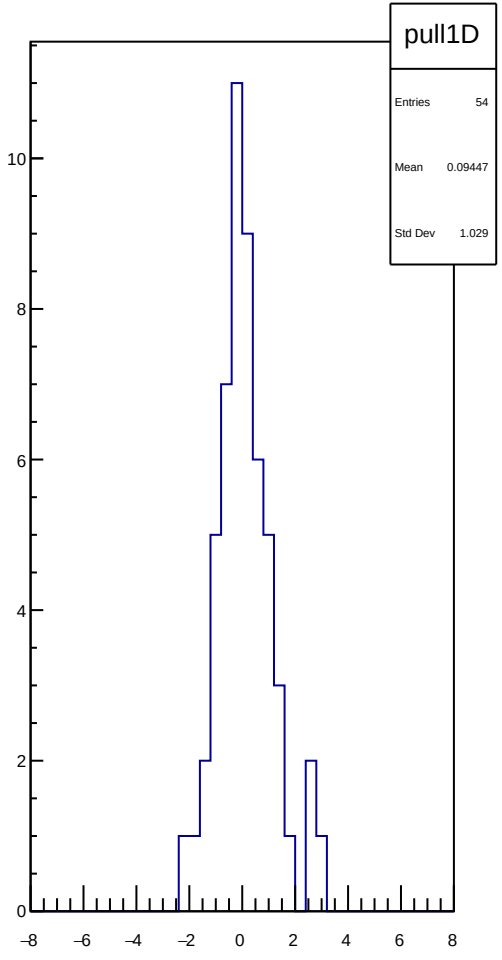

asym_us_dd_at1lr_dd_dd_rms vs run
χ² / ndf 1901 / 53
p0 2625 ± 2.553
2900
2800
2700
2600
2500
2400
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

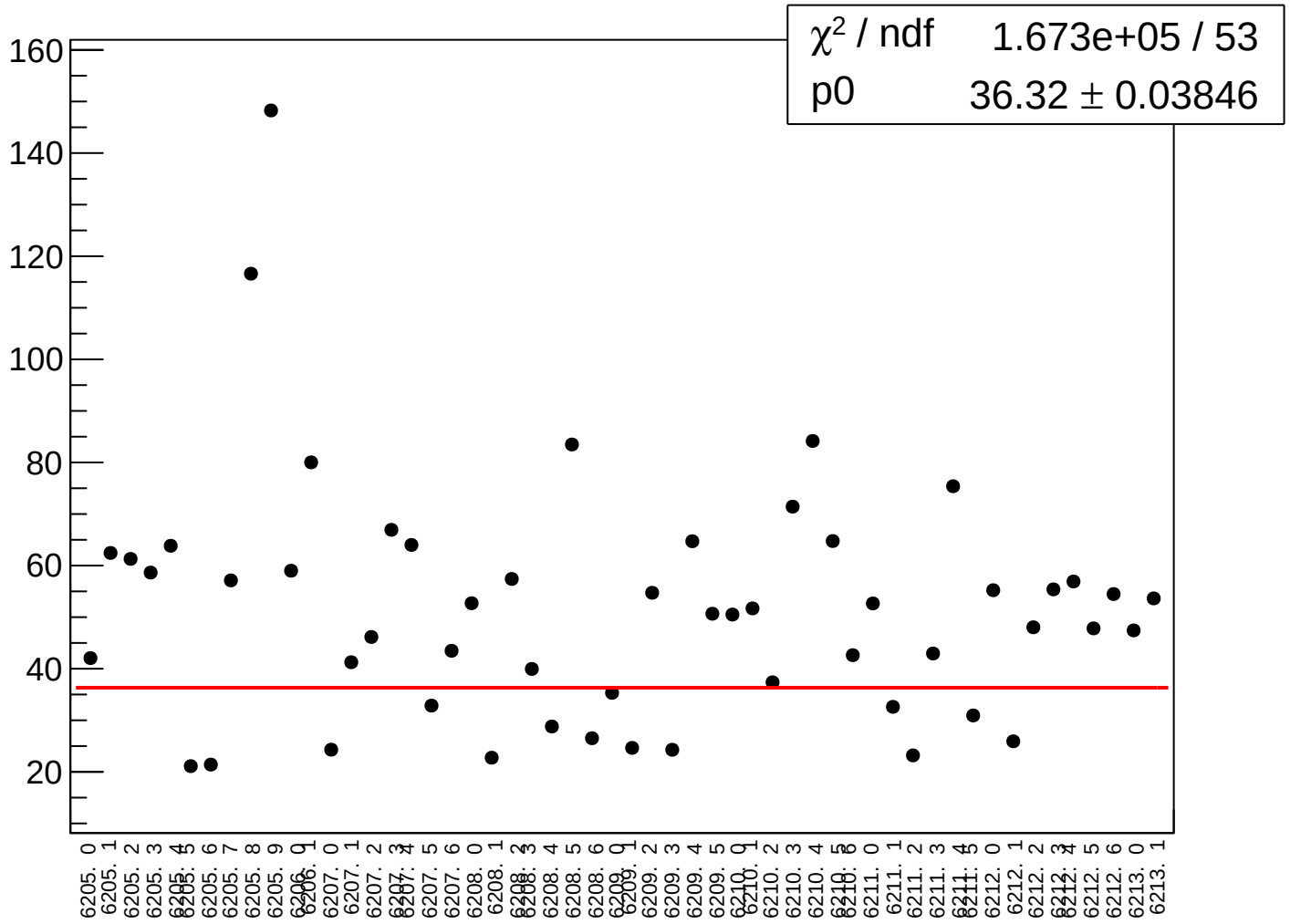

asym_us_dd_at1lr_dd_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 54.43 / 53
p0 1.306e−14 ± 1.573e−13
pull
Entries 54
Mean 21.25
Std Dev 22.43

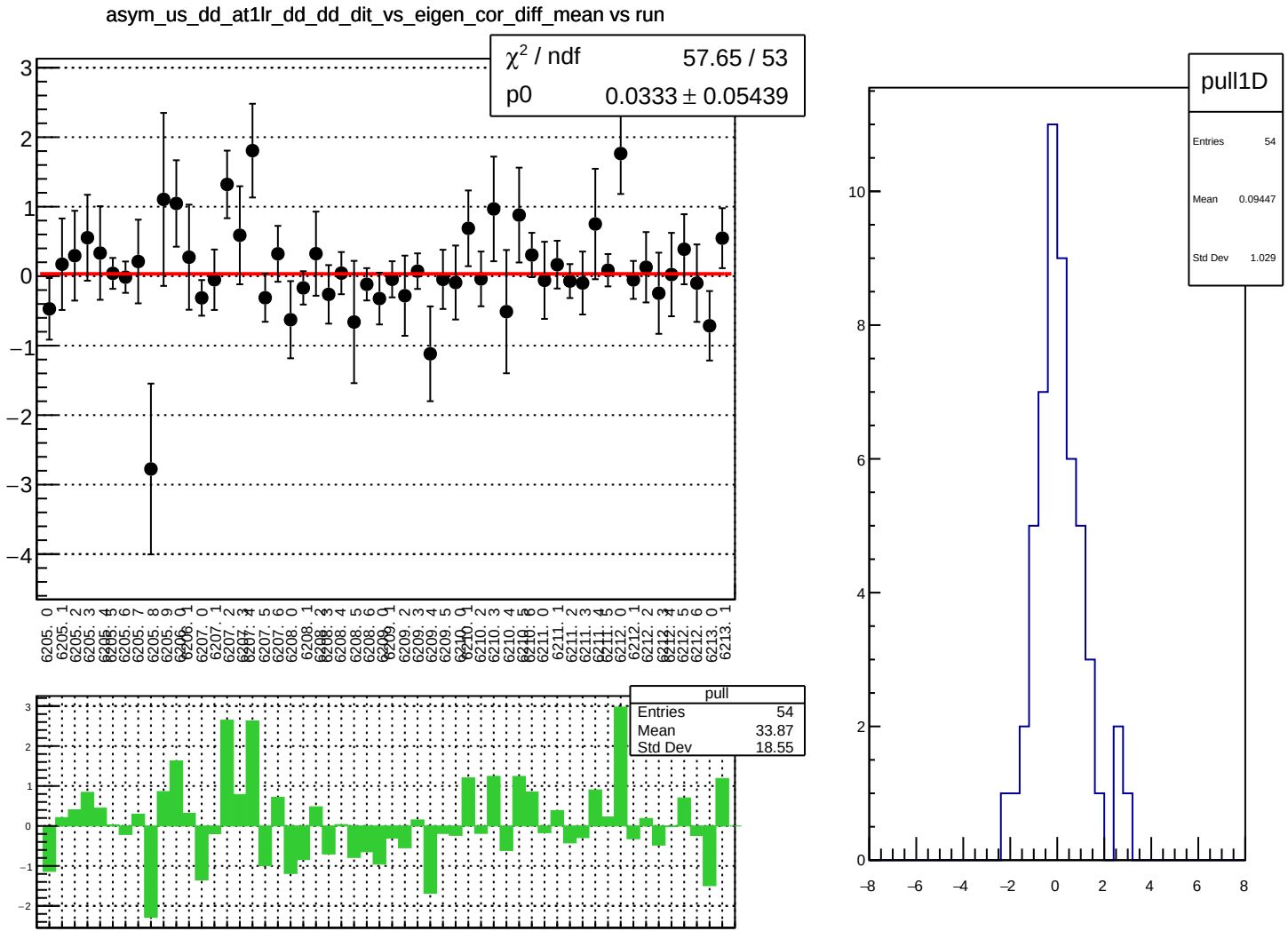

pull1D
Entries 54
Mean 0.0558
Std Dev 1.002

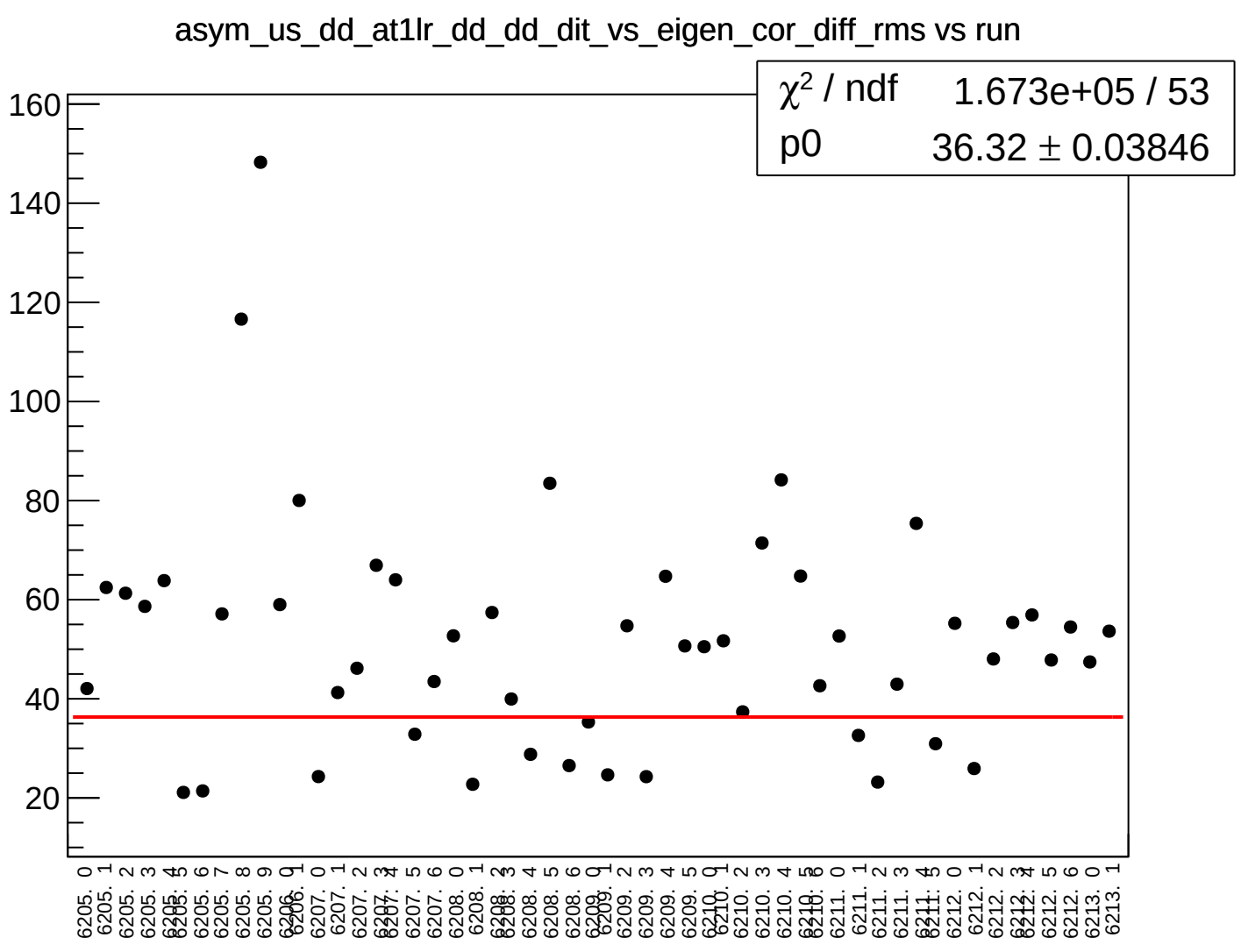

asym_us_dd_at1lr_dd_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 7.018e+05 / 53
p0 6.65e−11 ± 1.112e−13
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 57.65 / 53
p0 0.0333 ± 0.05439
pull
Entries 54
Mean 33.87
Std Dev 18.55


pull1D
Entries 54
Mean 0.09447
Std Dev 1.029


asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.673e+05 / 53
p0 36.32 ± 0.03846
160
140
120
100
80
60
40
20
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 57.65 / 53
p0 0.0333 ± 0.05439
pull
Entries 54
Mean 33.87
Std Dev 18.55
pull1D
Entries 54
Mean 0.09447
Std Dev 1.029


asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.673e+05 / 53
p0 36.32 ± 0.03846
160
140
120
100
80
60
40
20
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
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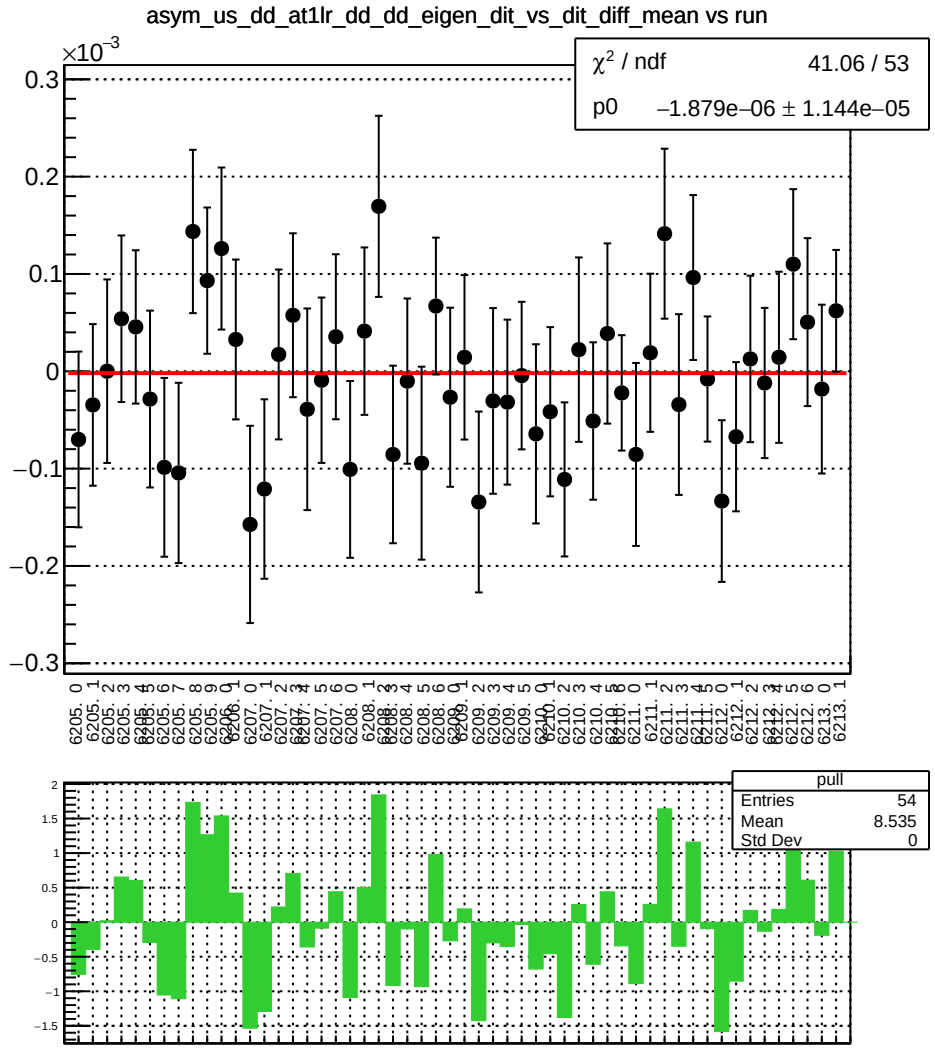
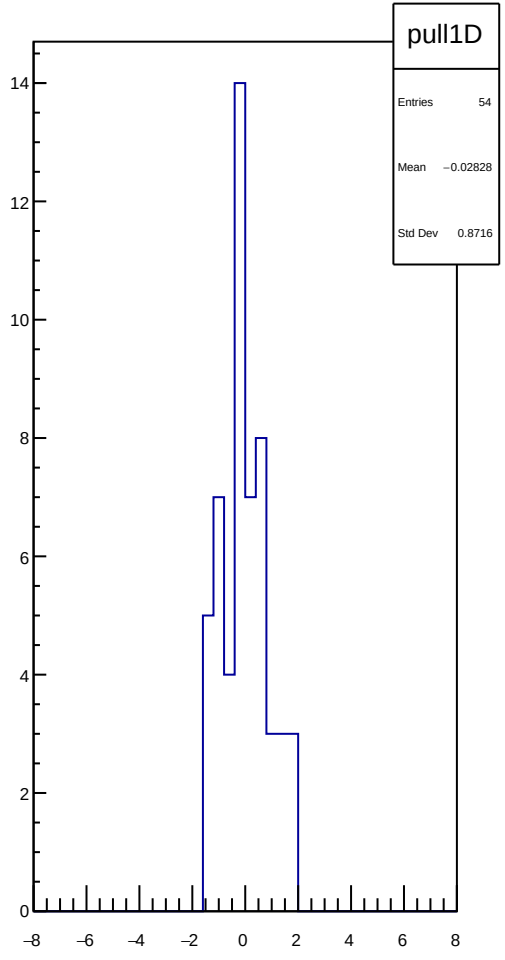
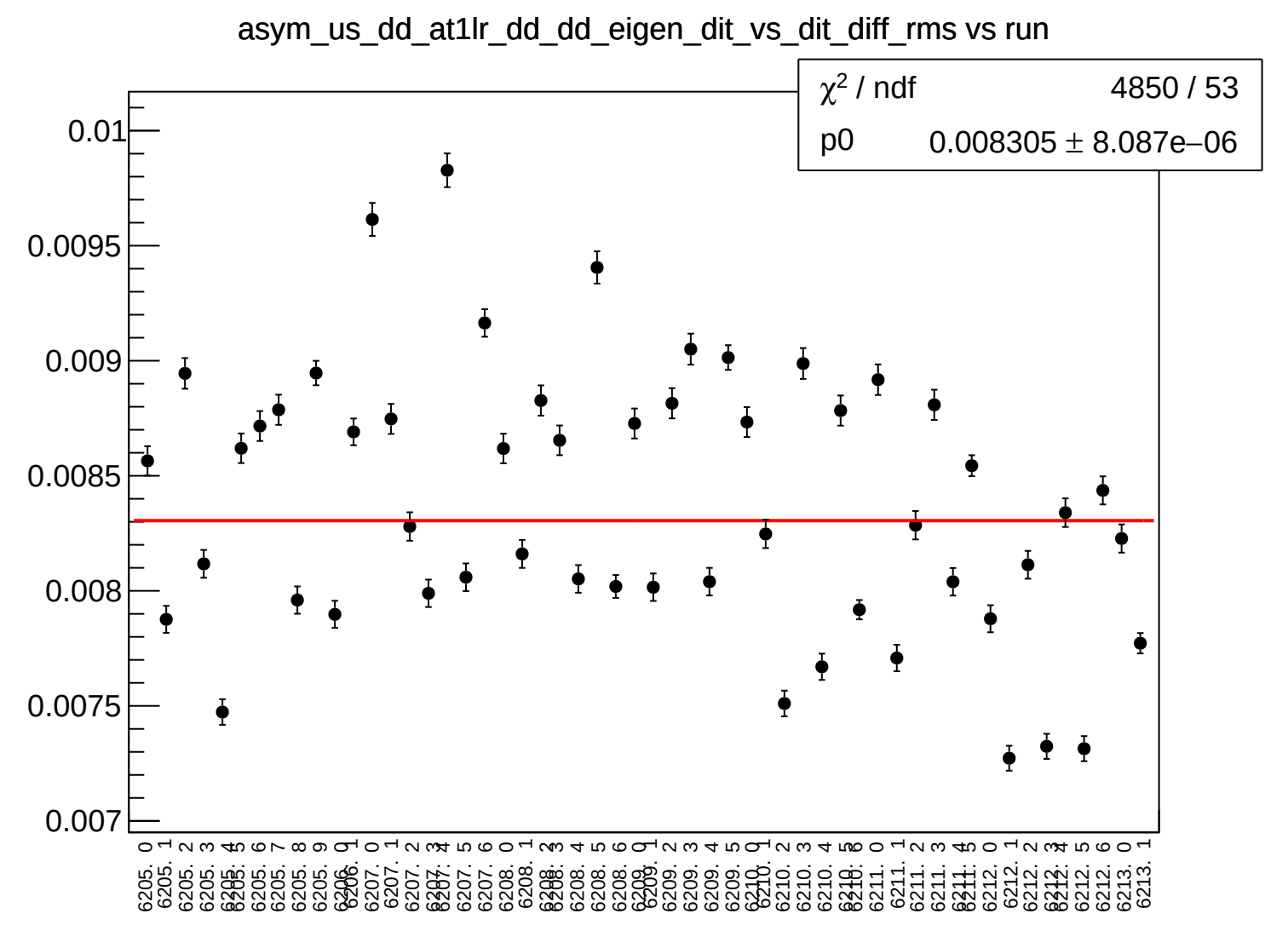
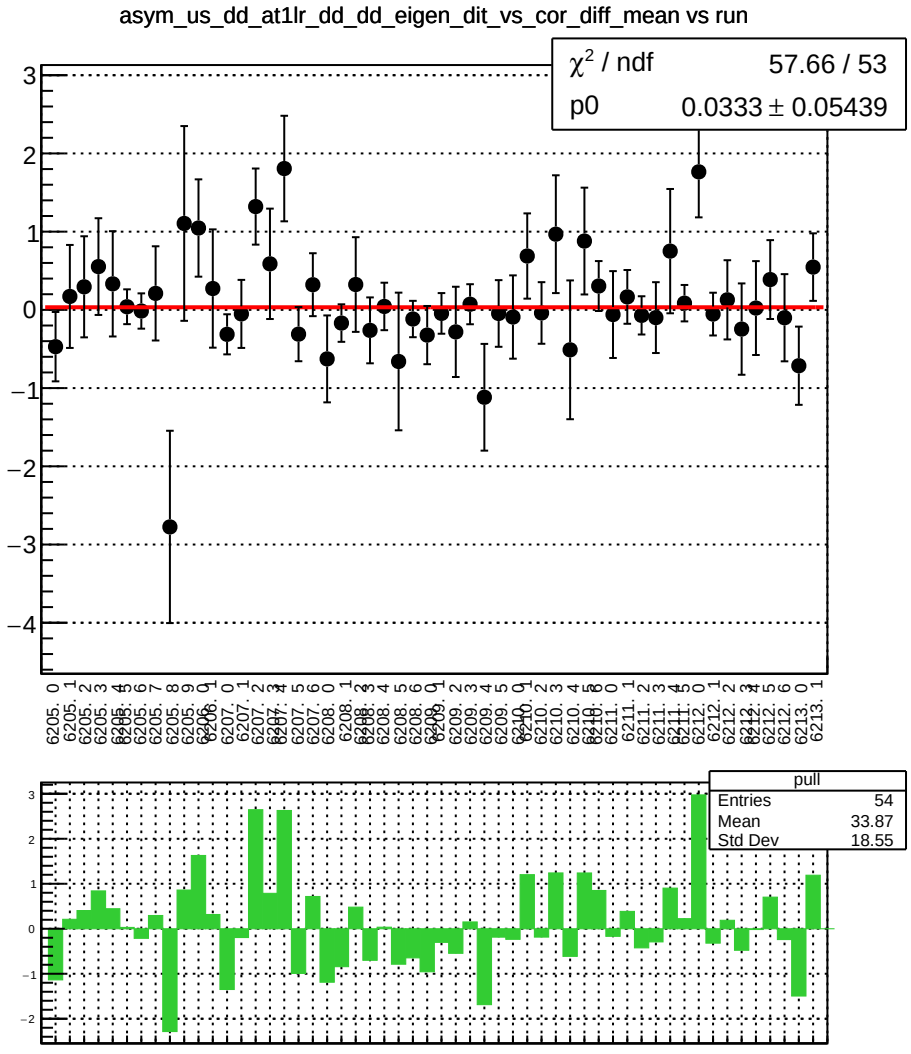
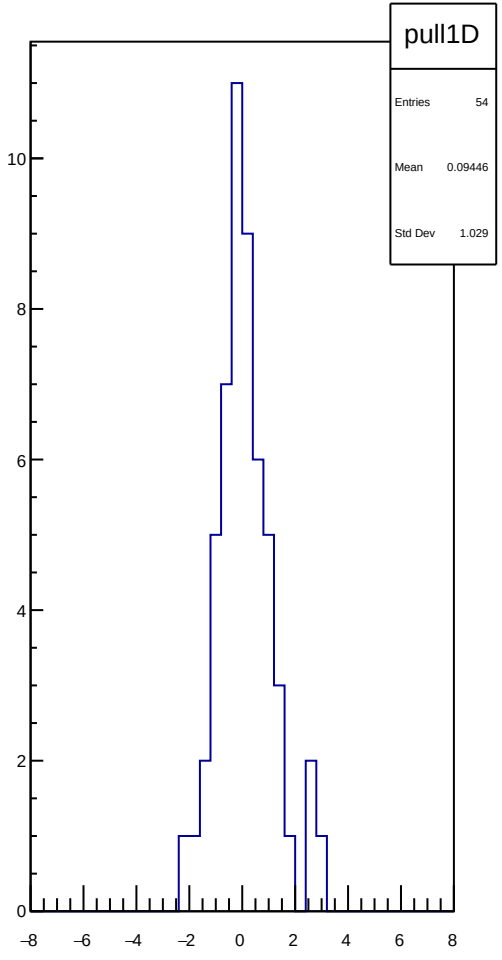
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

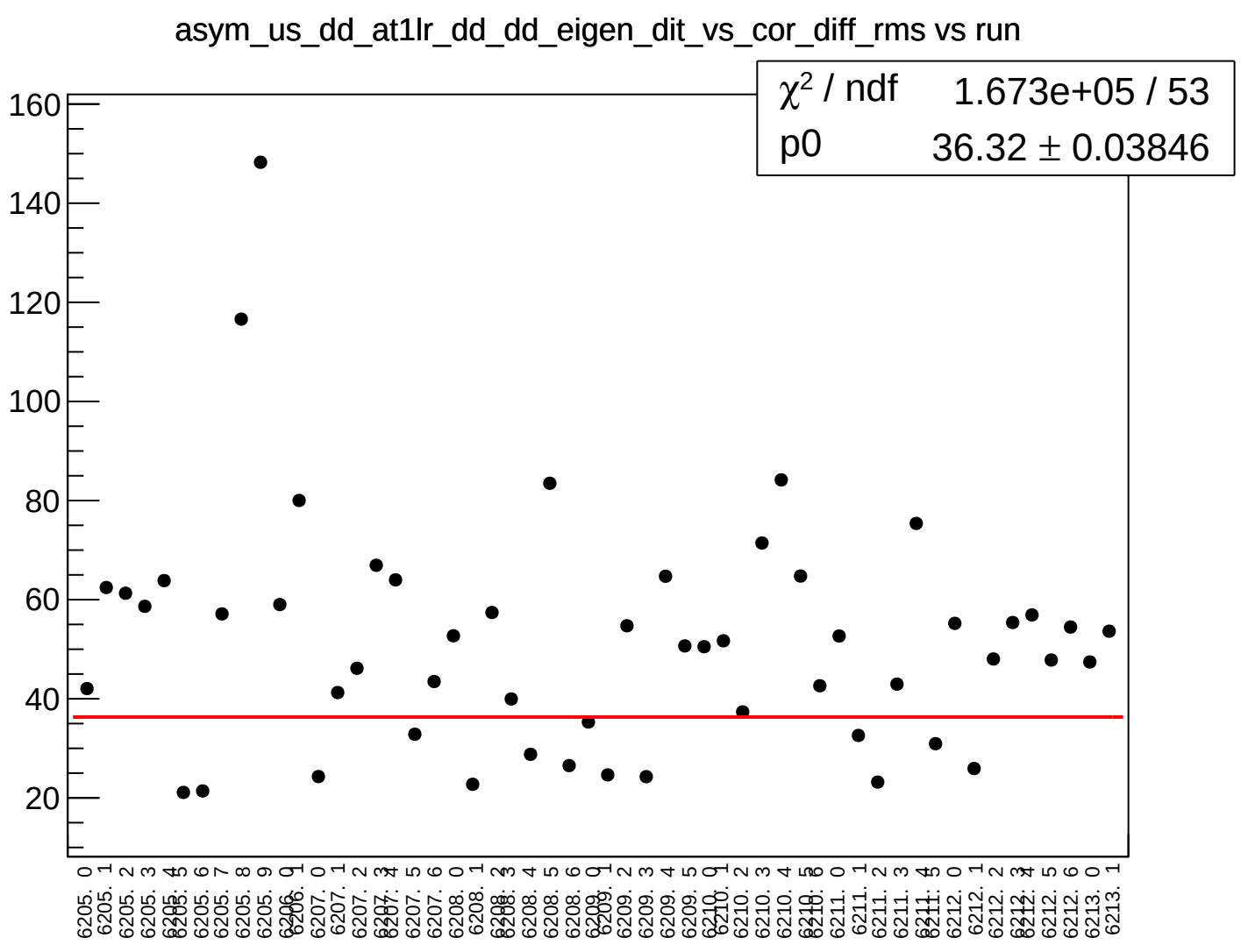

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 41.06 / 53
p0 −1.879e−06 ± 1.144e−05
pull
Entries 54
Mean 8.535
Std Dev 0

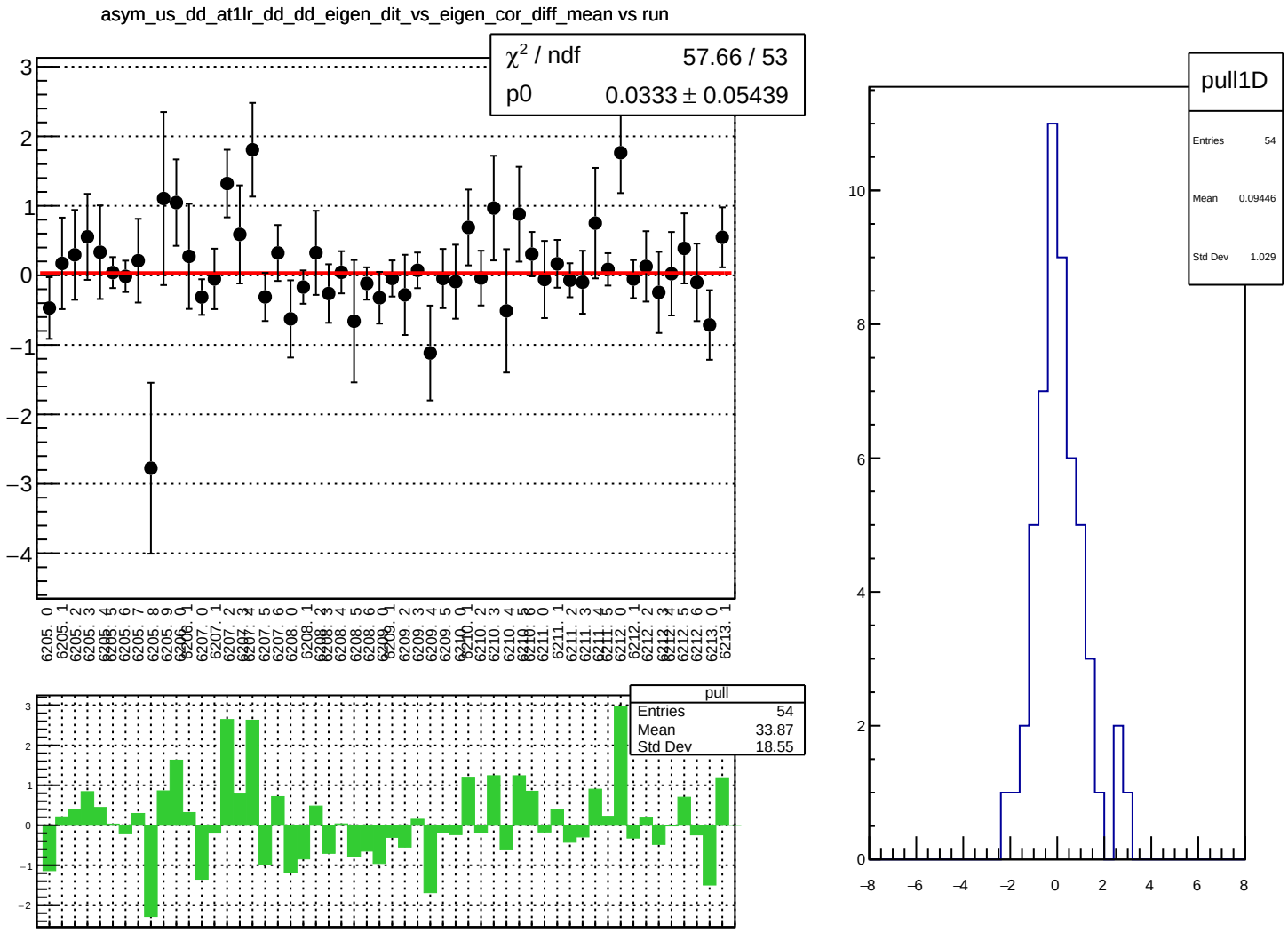

pull1D
Entries 54
Mean −0.02828
Std Dev 0.8716

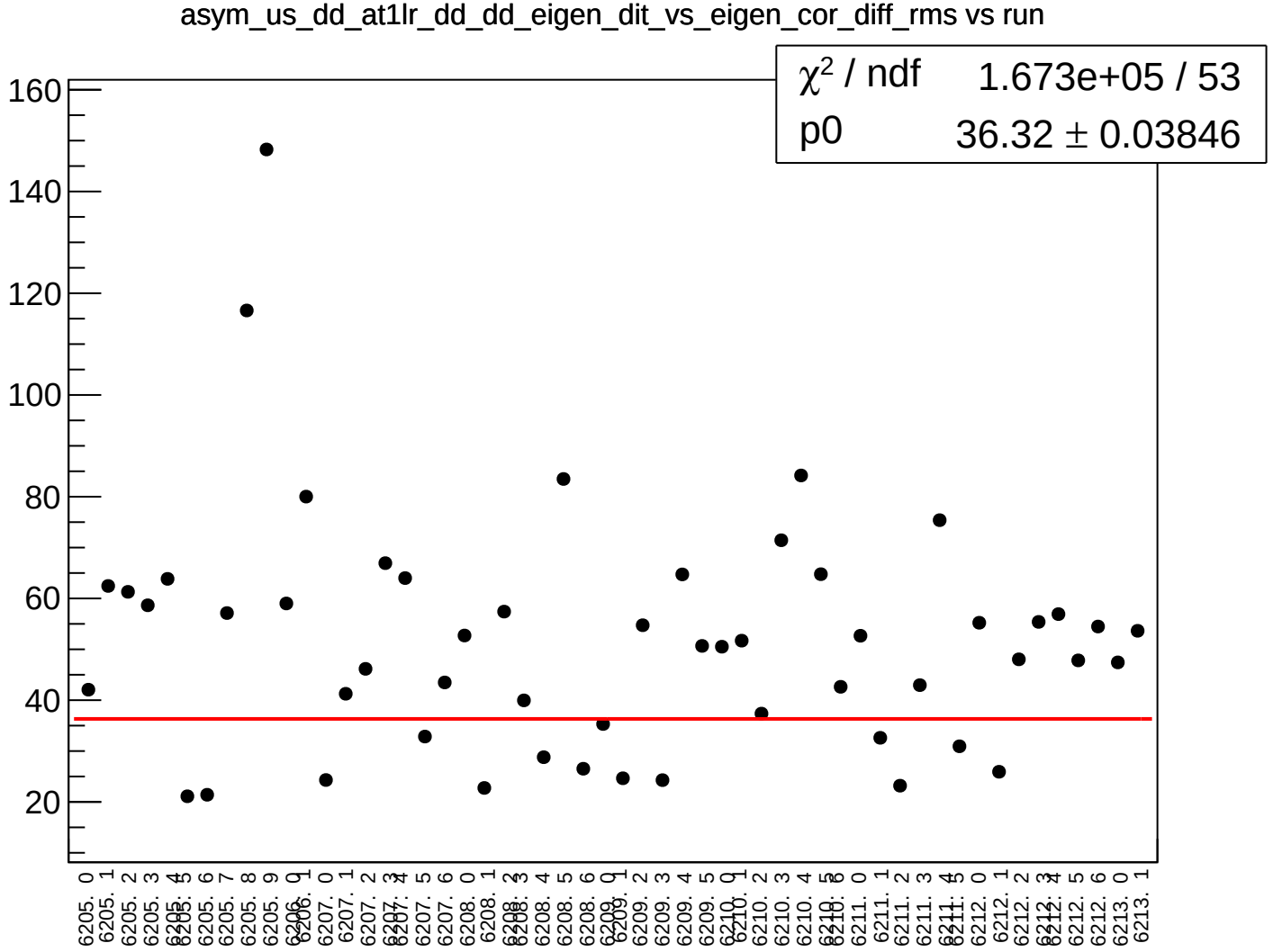

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4850 / 53
p0 0.008305 ± 8.087e−06
0.01
0.0095
0.009
0.0085
0.008
0.0075
0.007


asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 57.66 / 53
p0 0.0333 ± 0.05439
pull
Entries 54
Mean 33.87
Std Dev 18.55


pull1D
Entries 54
Mean 0.09446
Std Dev 1.029


asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.673e+05 / 53
p0 36.32 ± 0.03846
160
140
120
100
80
60
40
20
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 57.66 / 53
p0 0.0333 ± 0.05439
pull
Entries 54
Mean 33.87
Std Dev 18.55
pull1D
Entries 54
Mean 0.09446
Std Dev 1.029


asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.673e+05 / 53
p0 36.32 ± 0.03846
160
140
120
100
80
60
40
20
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
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6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
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6211. 4
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6212. 1
6212. 2
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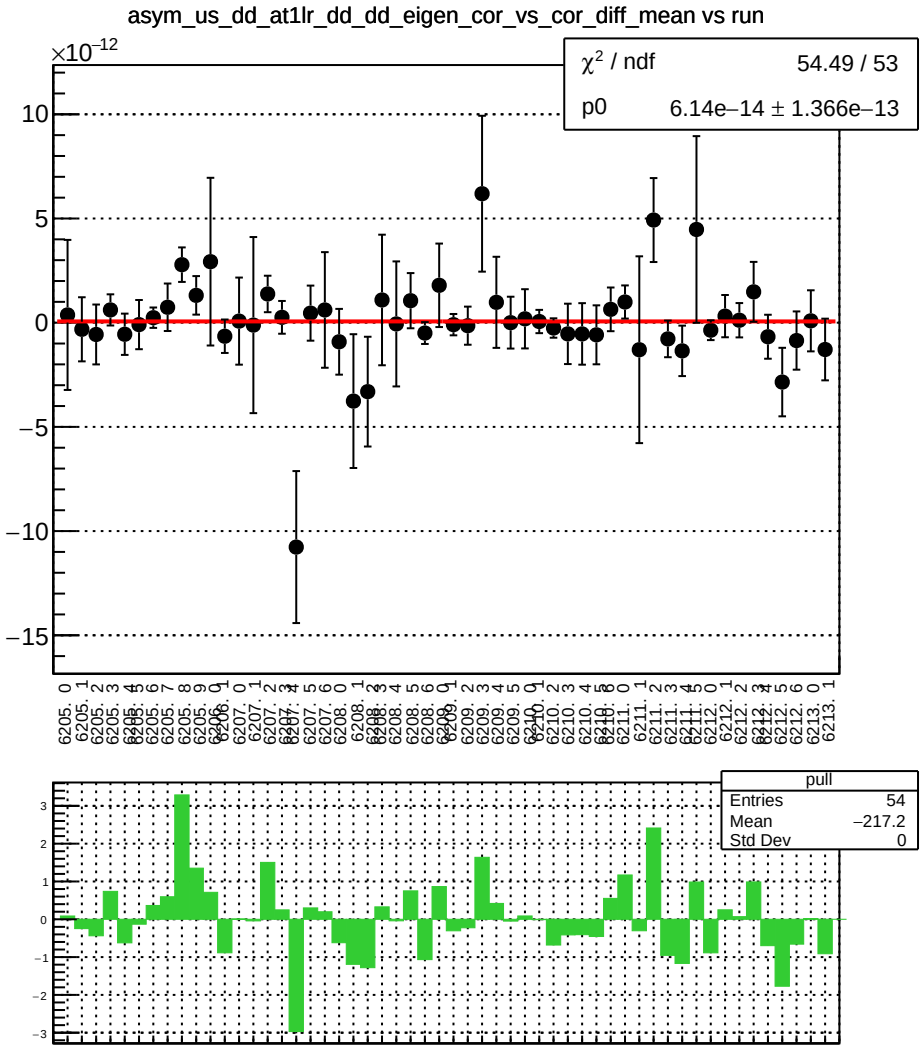
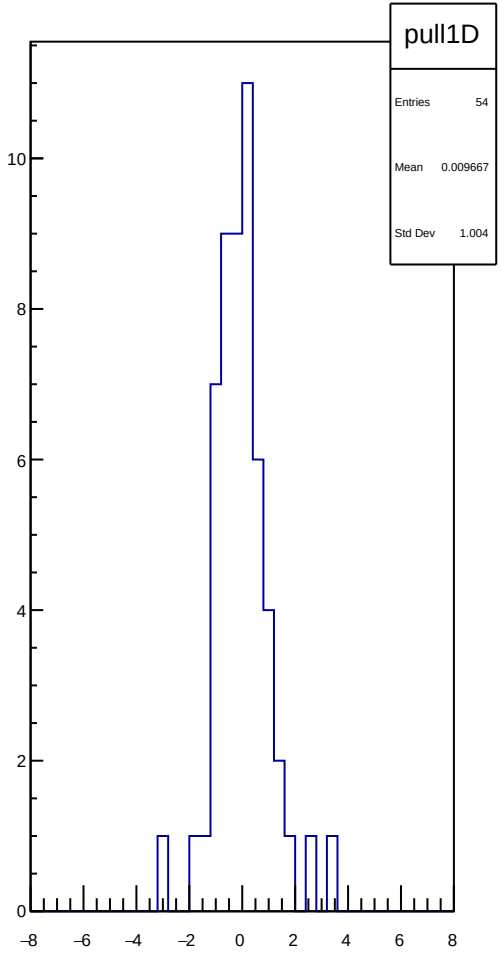
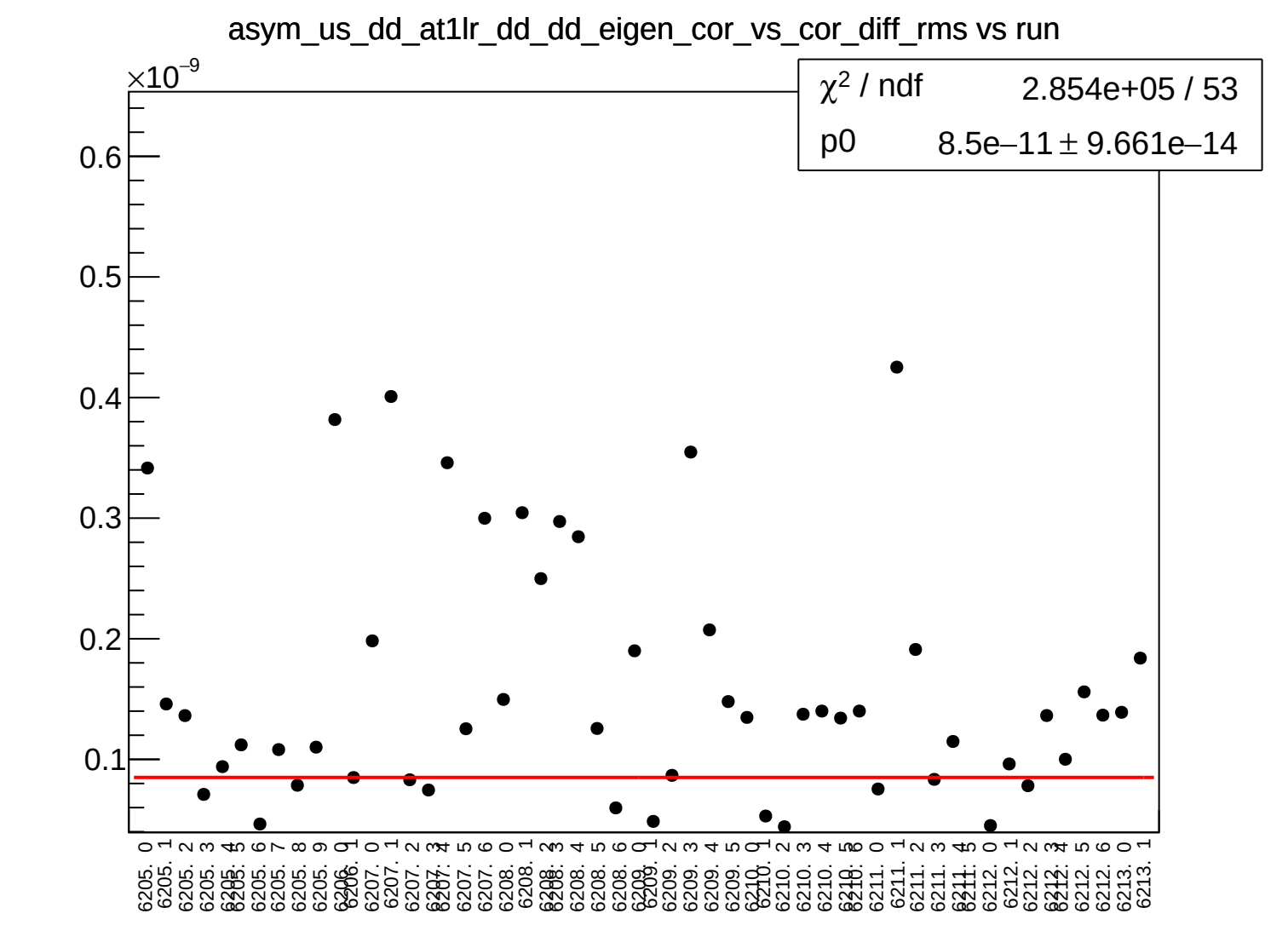
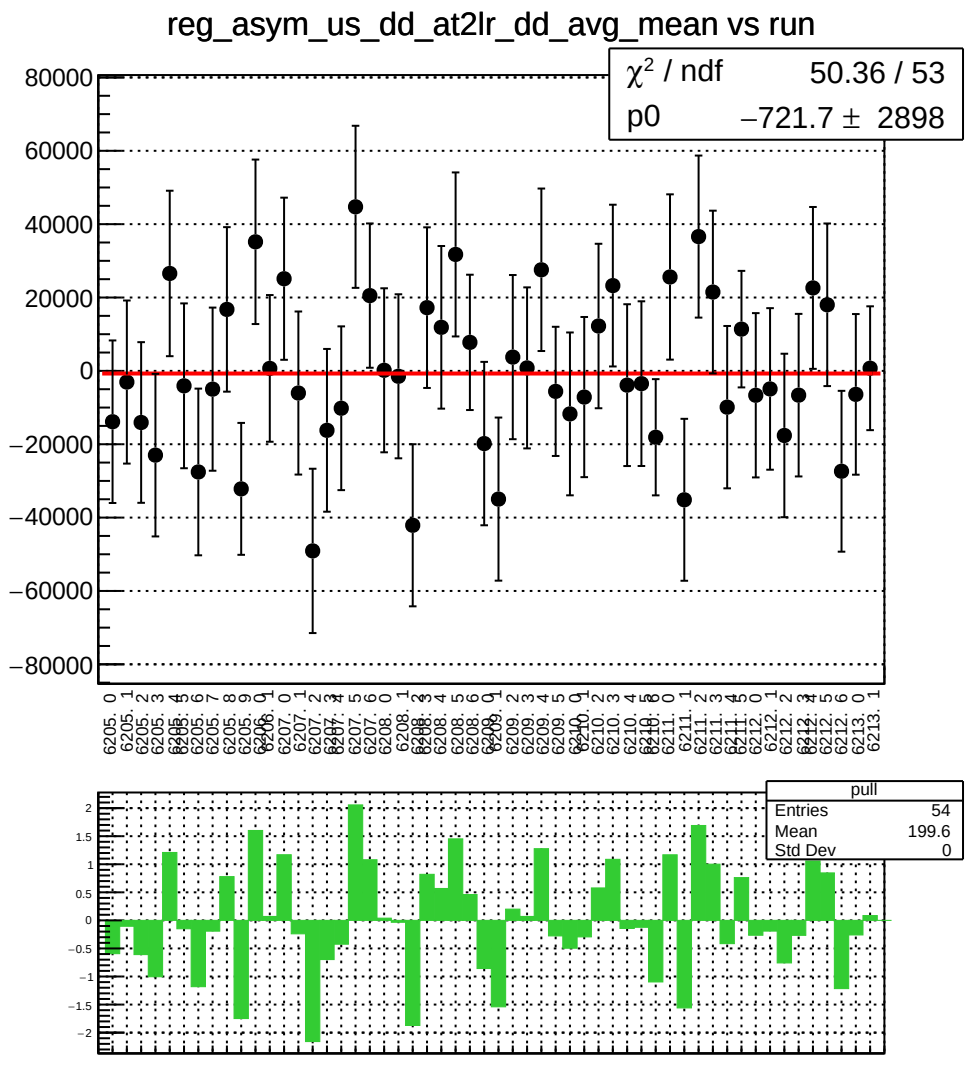
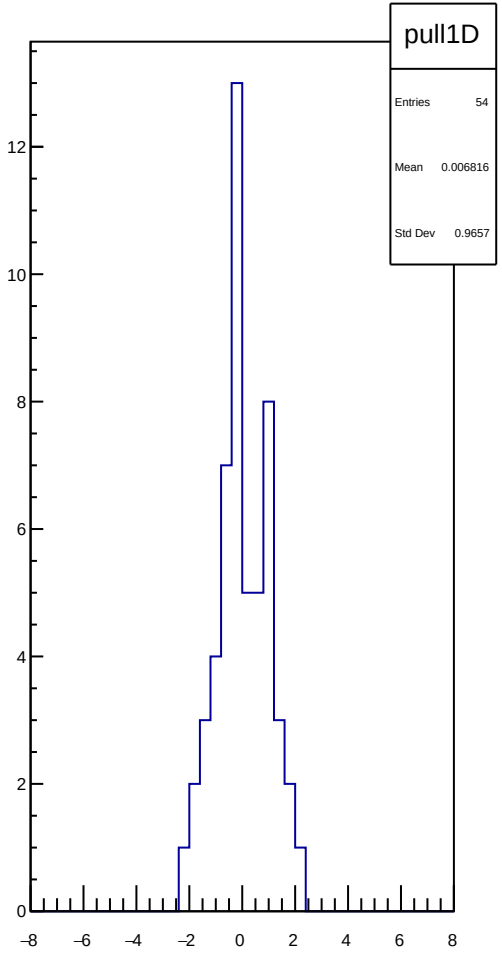
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

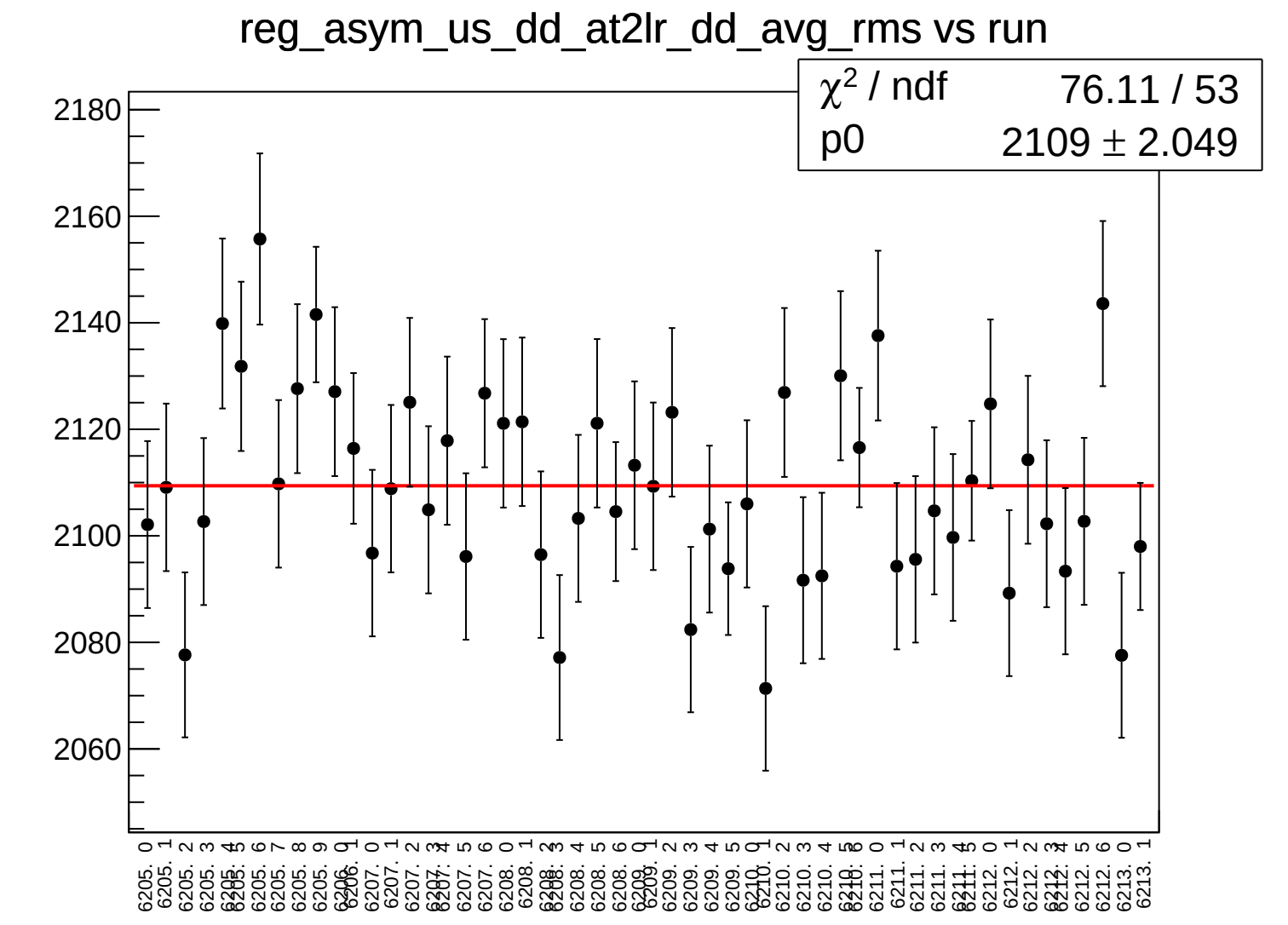

asym_us_dd_at1lr_dd_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 54.49 / 53
p0 6.14e−14 ± 1.366e−13
pull
Entries 54
Mean −217.2
Std Dev 0

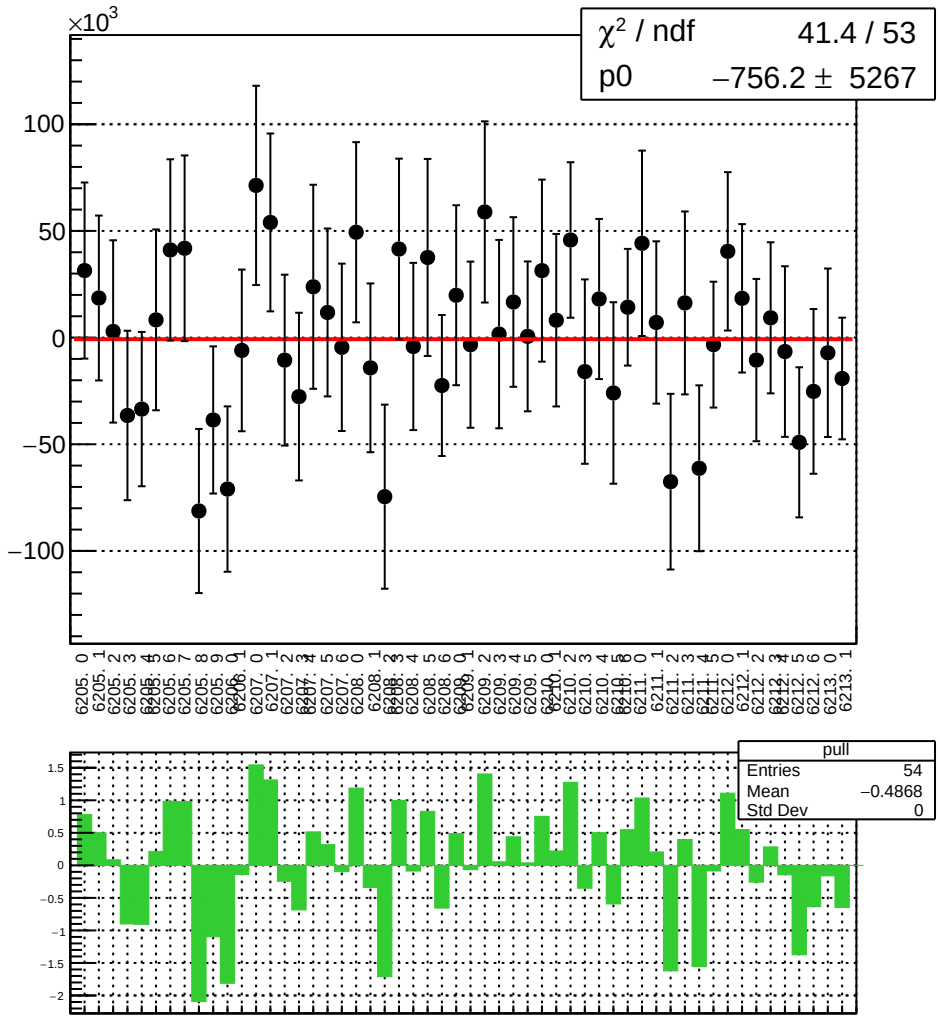

pull1D
Entries 54
Mean 0.009667
Std Dev 1.004

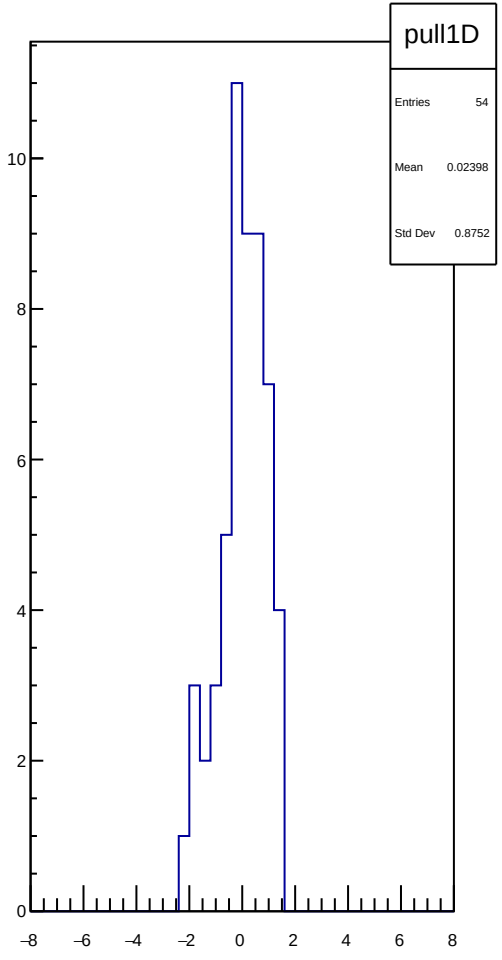

asym_us_dd_at1lr_dd_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.854e+05 / 53
p0 8.5e−11 ± 9.661e−14
0.6
0.5
0.4
0.3
0.2
0.1

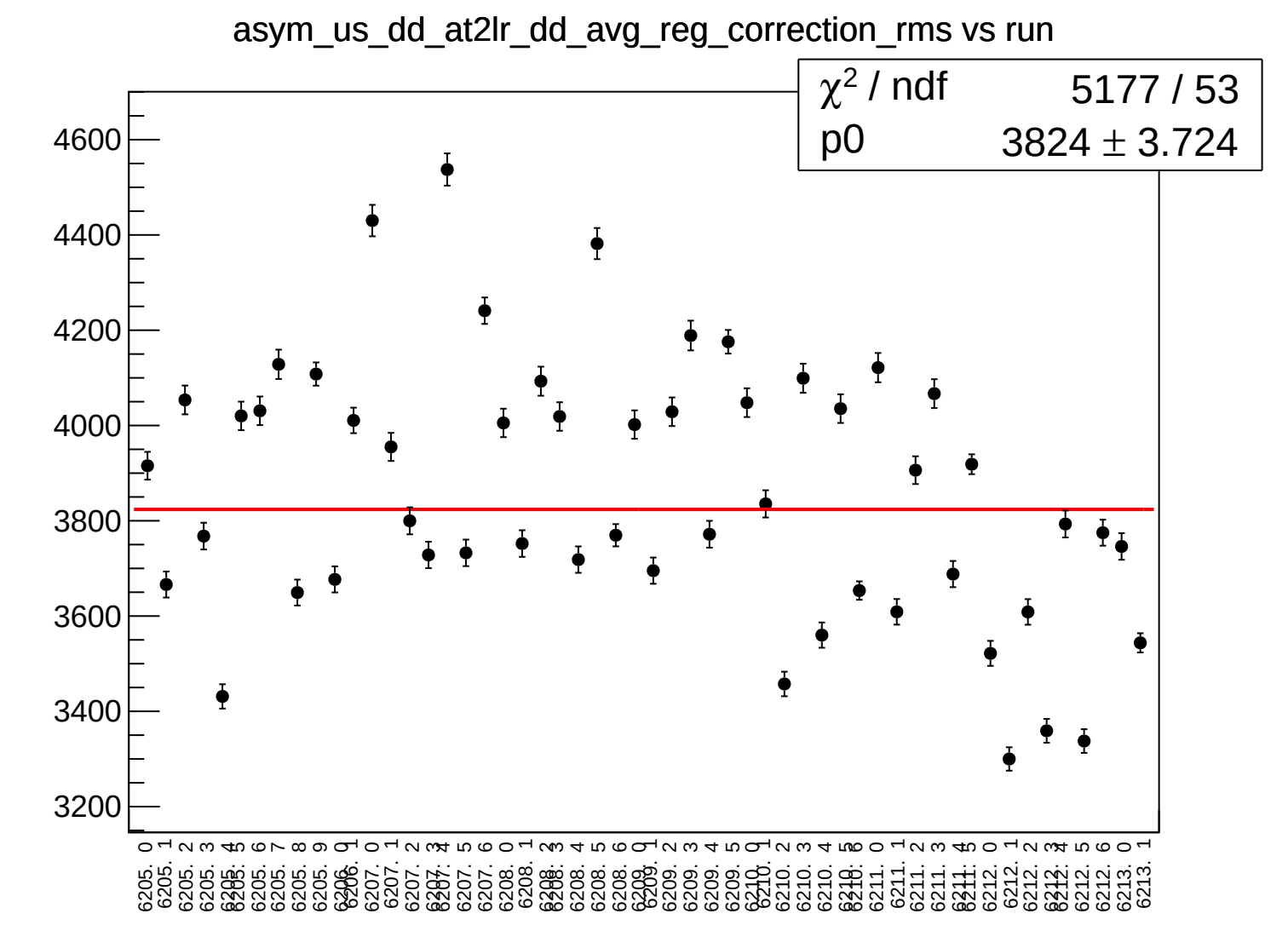

reg_asym_us_dd_at2lr_dd_avg_mean vs run
χ² / ndf 50.36 / 53
p0 −721.7 ± 2898
pull
Entries 54
Mean 199.6
Std Dev 0

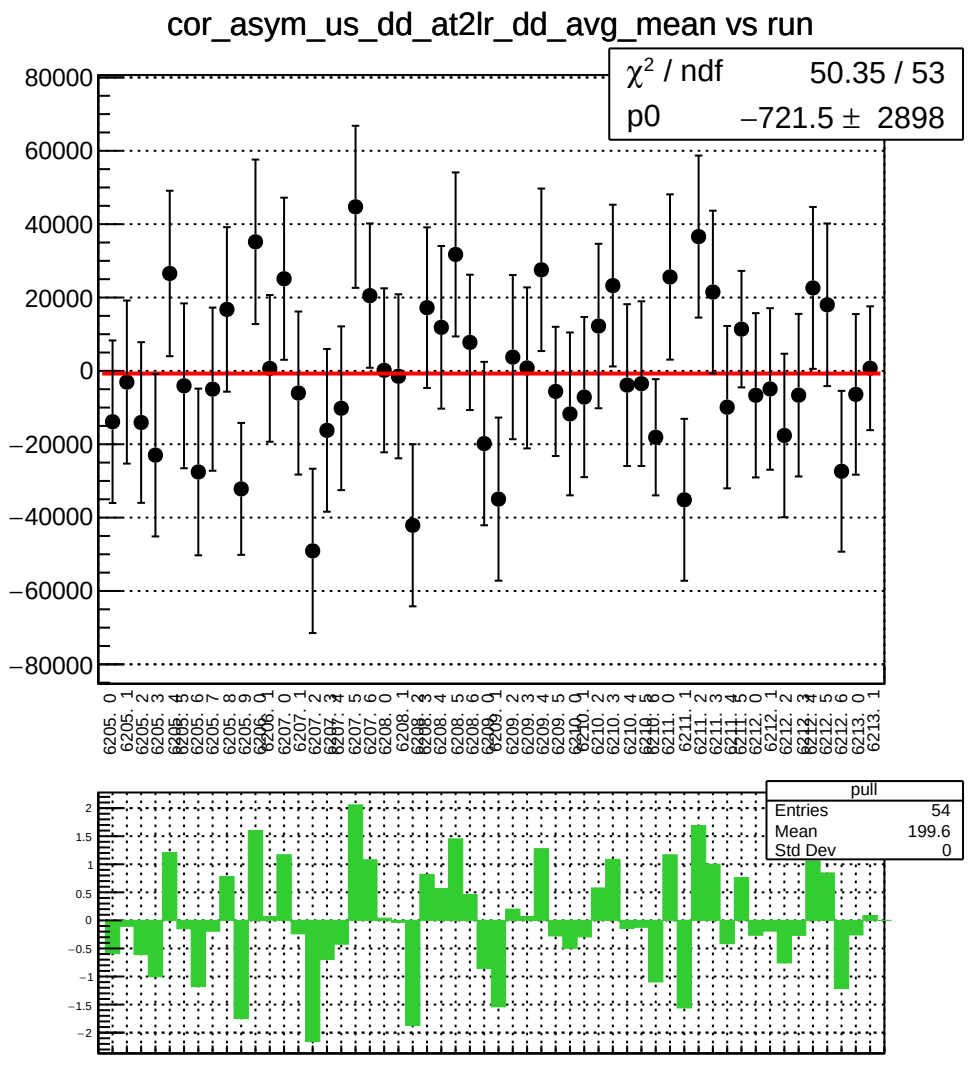

pull1D
Entries 54
Mean 0.006816
Std Dev 0.9657

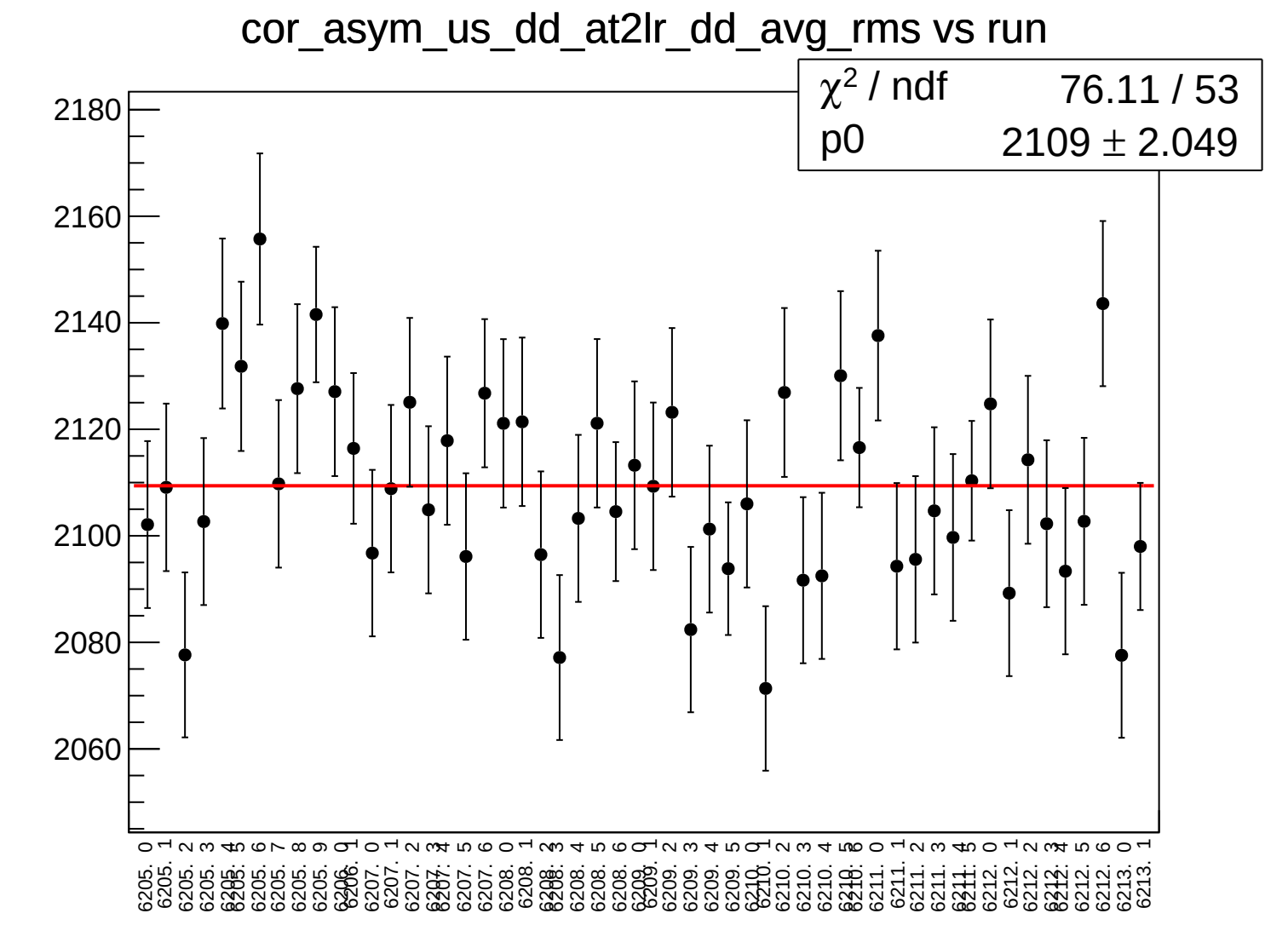

reg_asym_us_dd_at2lr_dd_avg_rms vs run
χ² / ndf 76.11 / 53
p0 2109 ± 2.049
2180
2160
2140
2120
2100
2080
2060
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

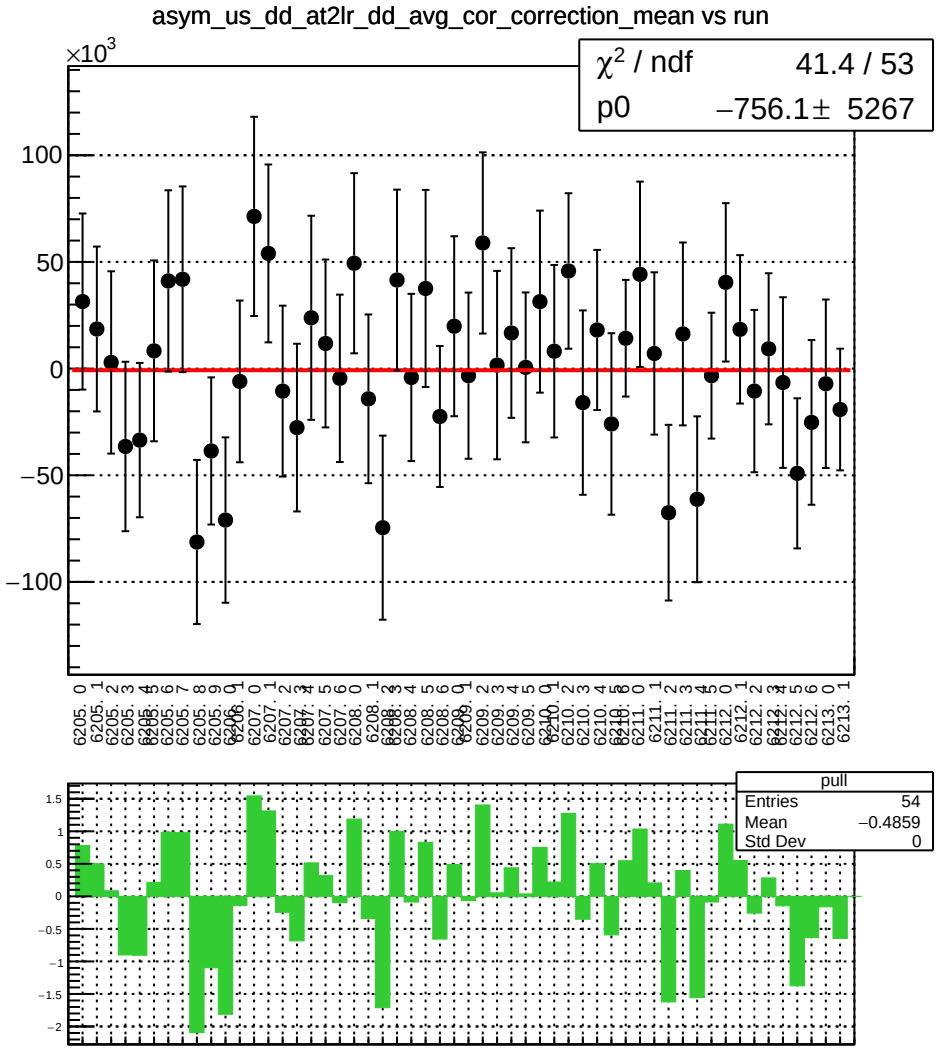

asym_us_dd_at2lr_dd_avg_reg_correction_mean vs run
×10^3
χ² / ndf 41.4 / 53
p0 −756.2 ± 5267
100
50
0
−50
−100
pull
Entries 54
Mean −0.4868
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

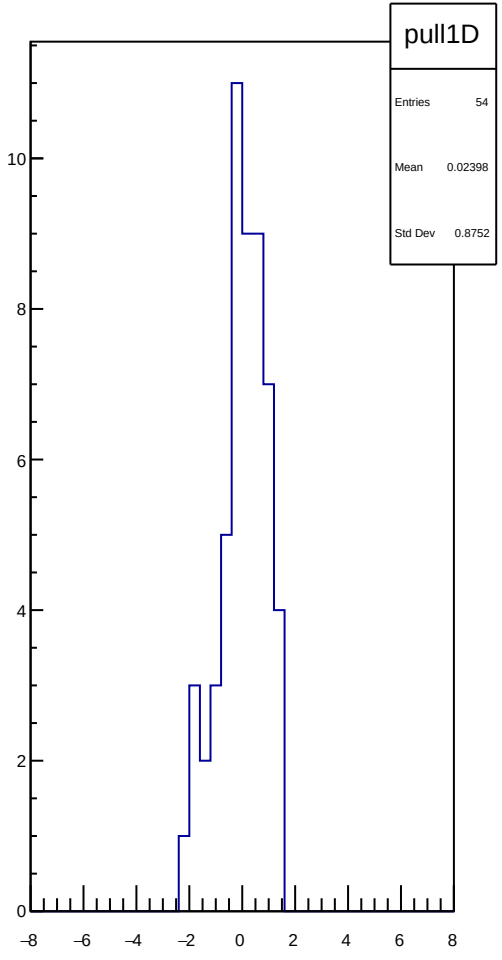

pull1D
Entries 54
Mean 0.02398
Std Dev 0.8752
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

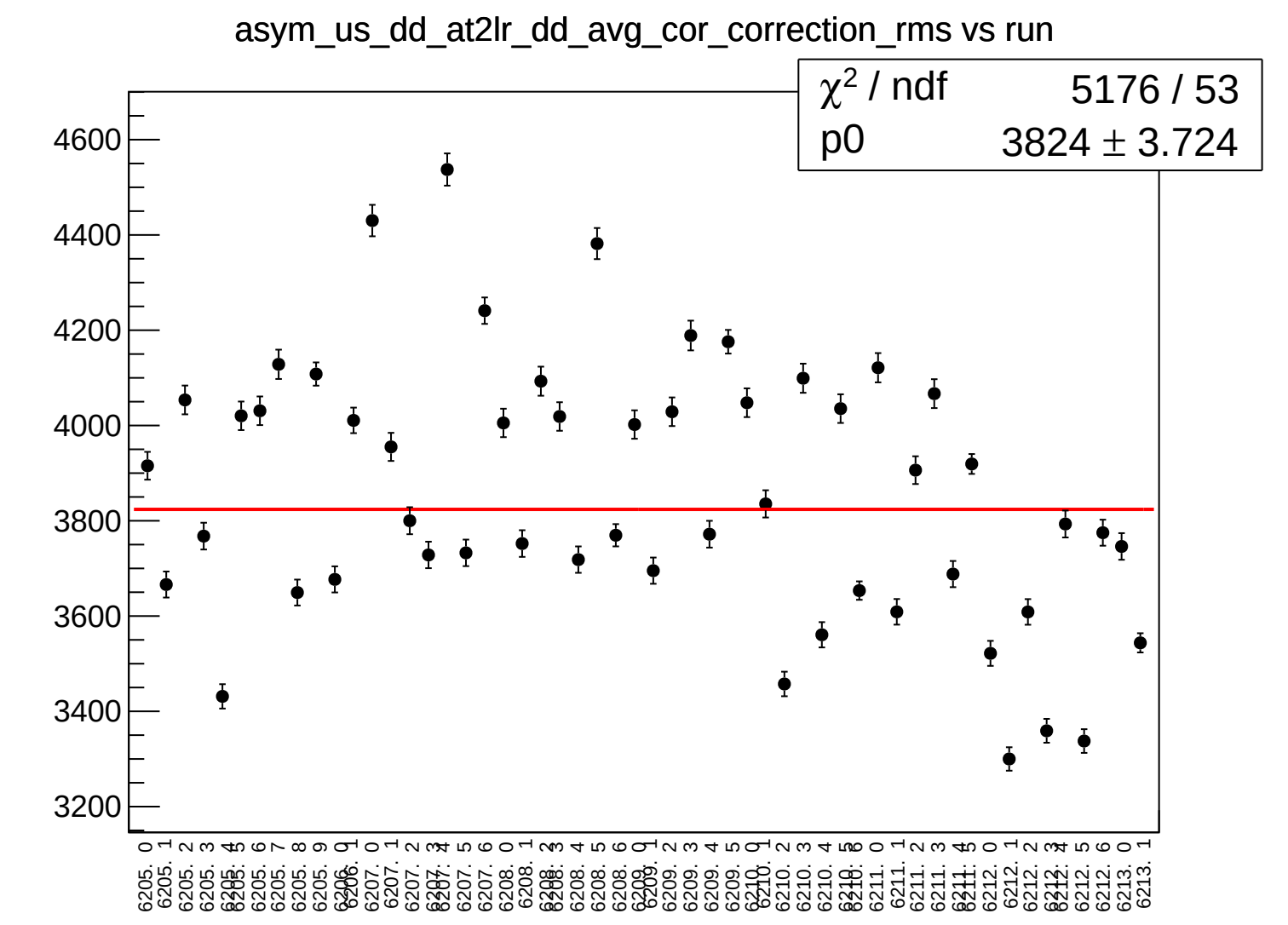

asym_us_dd_at2lr_dd_avg_reg_correction_rms vs run
χ² / ndf 5177 / 53
p0 3824 ± 3.724
4600
4400
4200
4000
3800
3600
3400
3200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

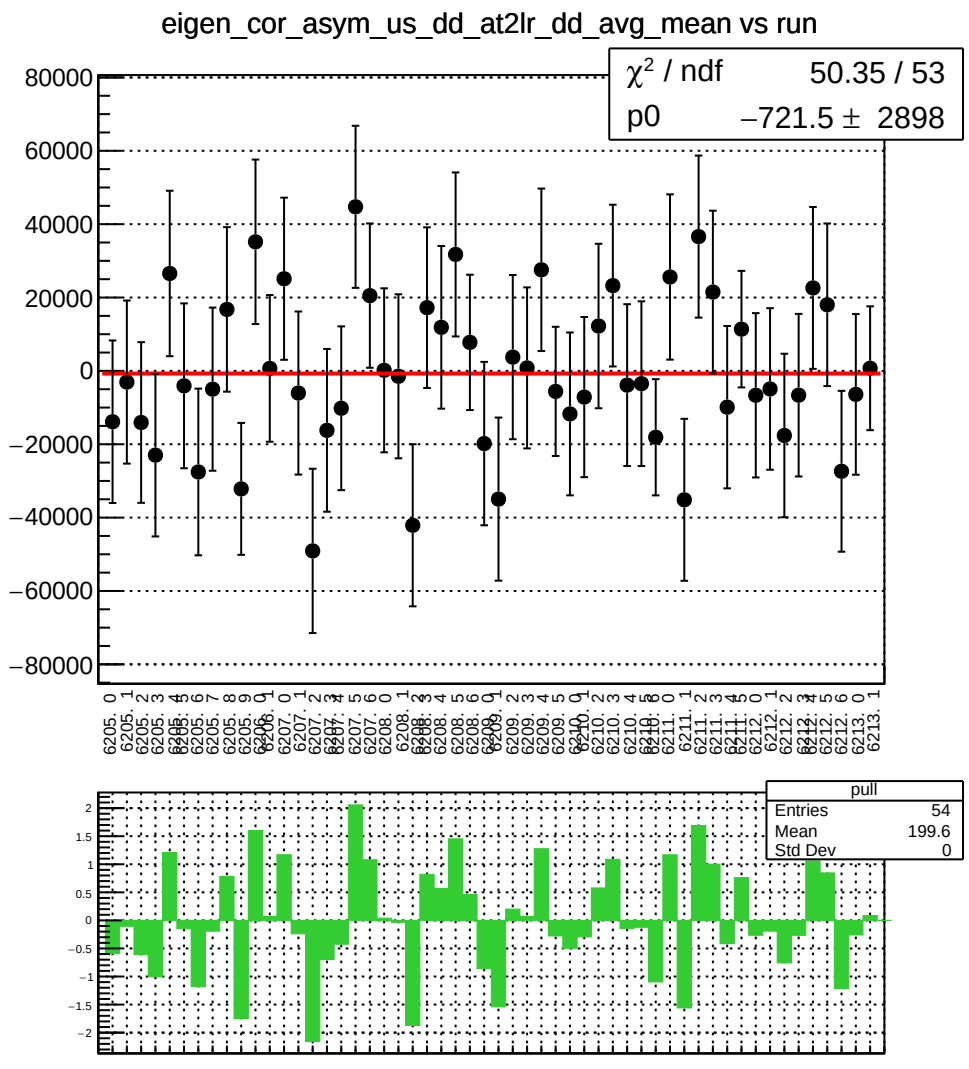

cor_asym_us_dd_at2lr_dd_avg_mean vs run
χ² / ndf 50.35 / 53
p0 −721.5 ± 2898
pull
Entries 54
Mean 199.6
Std Dev 0
pull1D
Entries 54
Mean 0.006817
Std Dev 0.9656

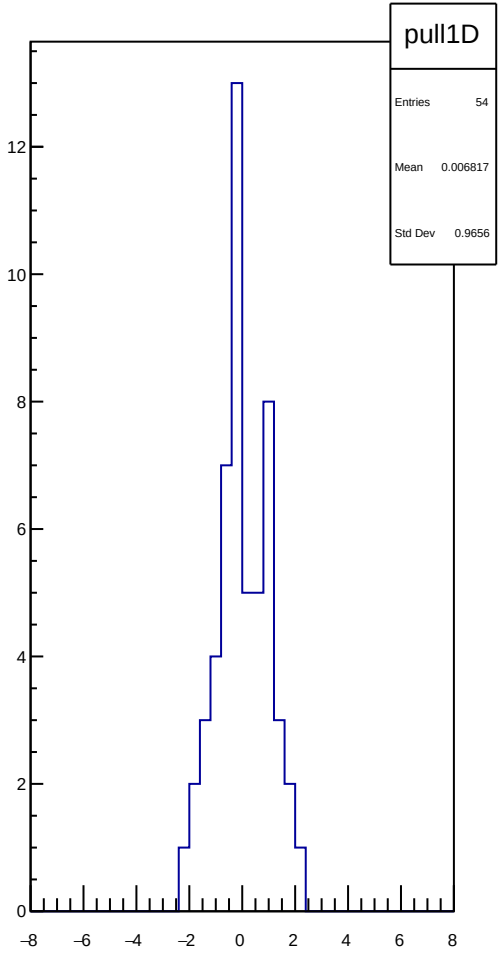

cor_asym_us_dd_at2lr_dd_avg_rms vs run
χ² / ndf 76.11 / 53
p0 2109 ± 2.049
2180
2160
2140
2120
2100
2080
2060
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

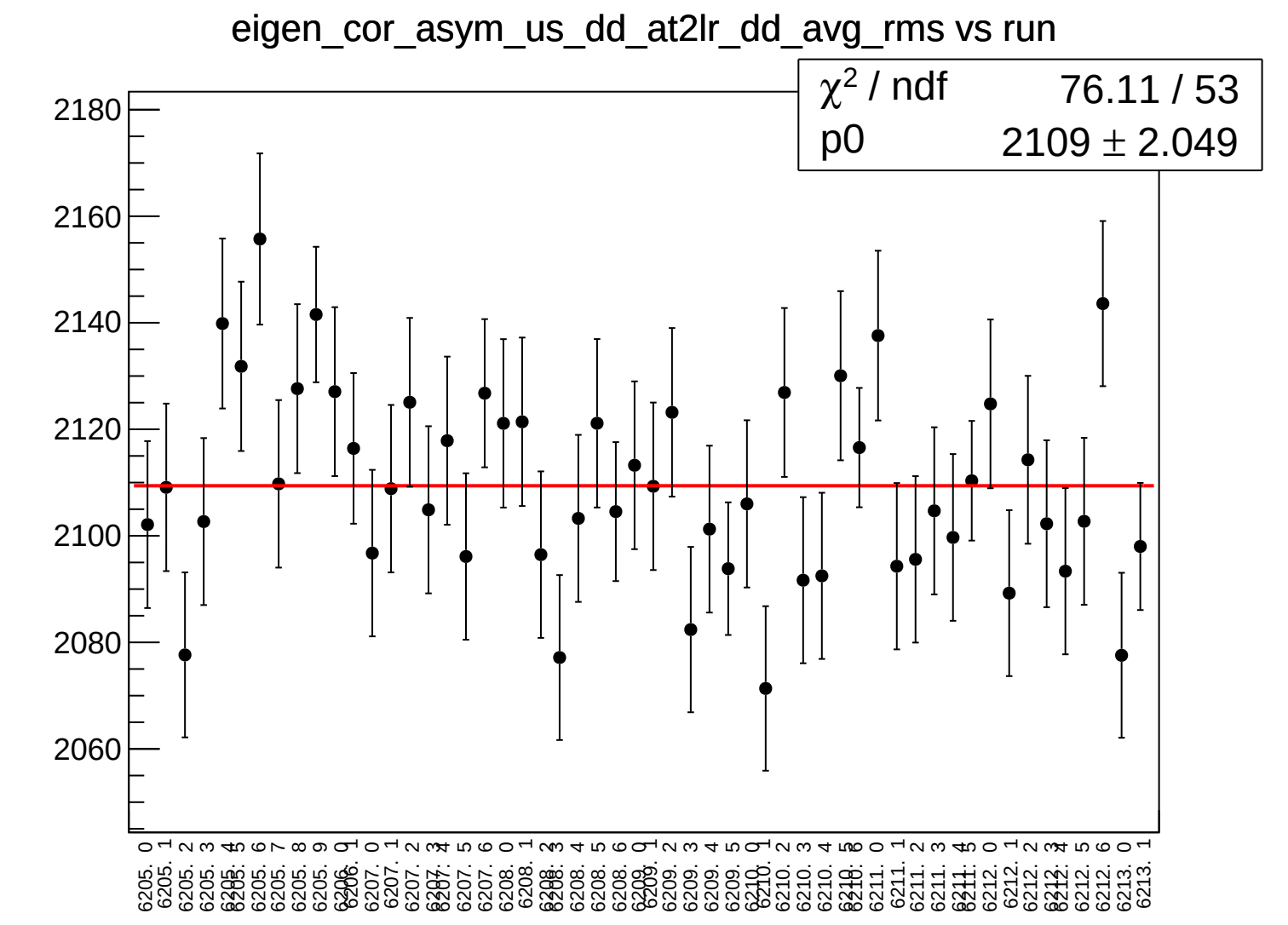

asym_us_dd_at2lr_dd_avg_cor_correction_mean vs run
×10^3
χ² / ndf 41.4 / 53
p0 −756.1± 5267
100
50
0
−50
−100
pull
Entries 54
Mean −0.4859
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

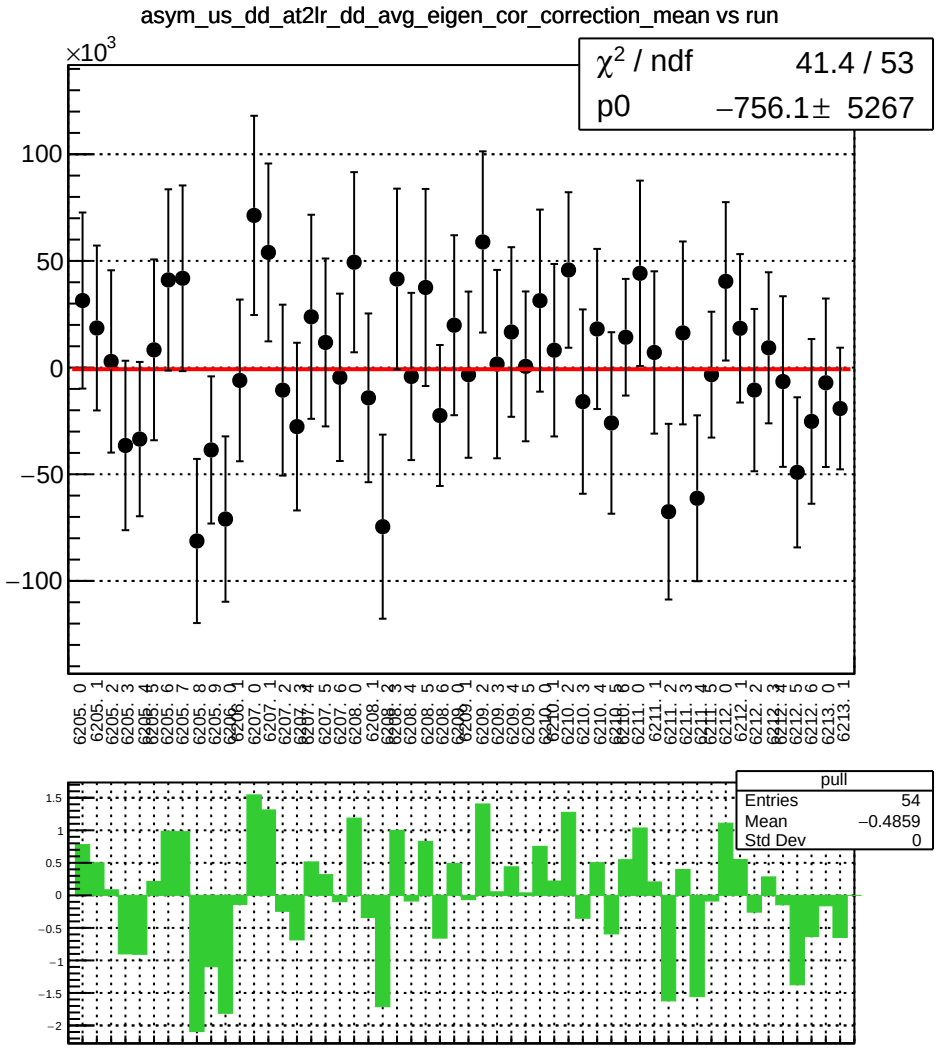

pull1D
Entries 54
Mean 0.02398
Std Dev 0.8752
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

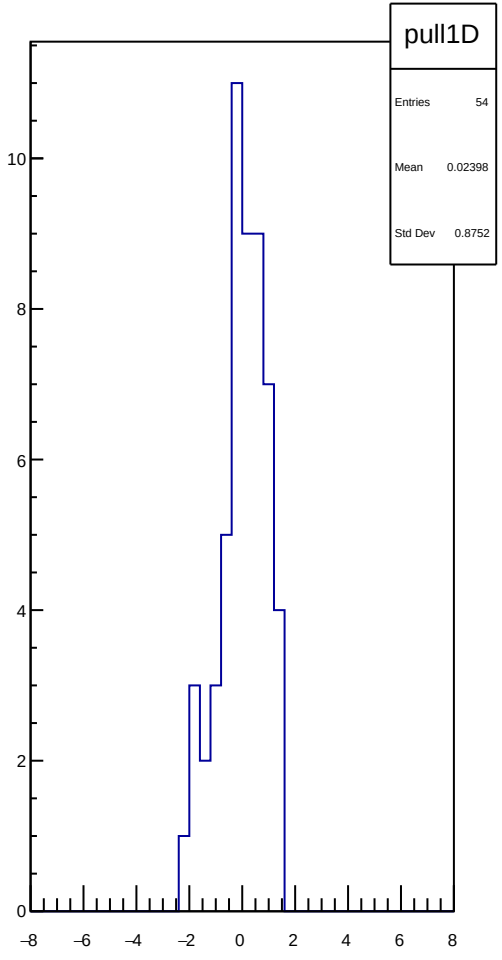

asym_us_dd_at2lr_dd_avg_cor_correction_rms vs run
χ² / ndf 5176 / 53
p0 3824 ± 3.724
4600
4400
4200
4000
3800
3600
3400
3200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

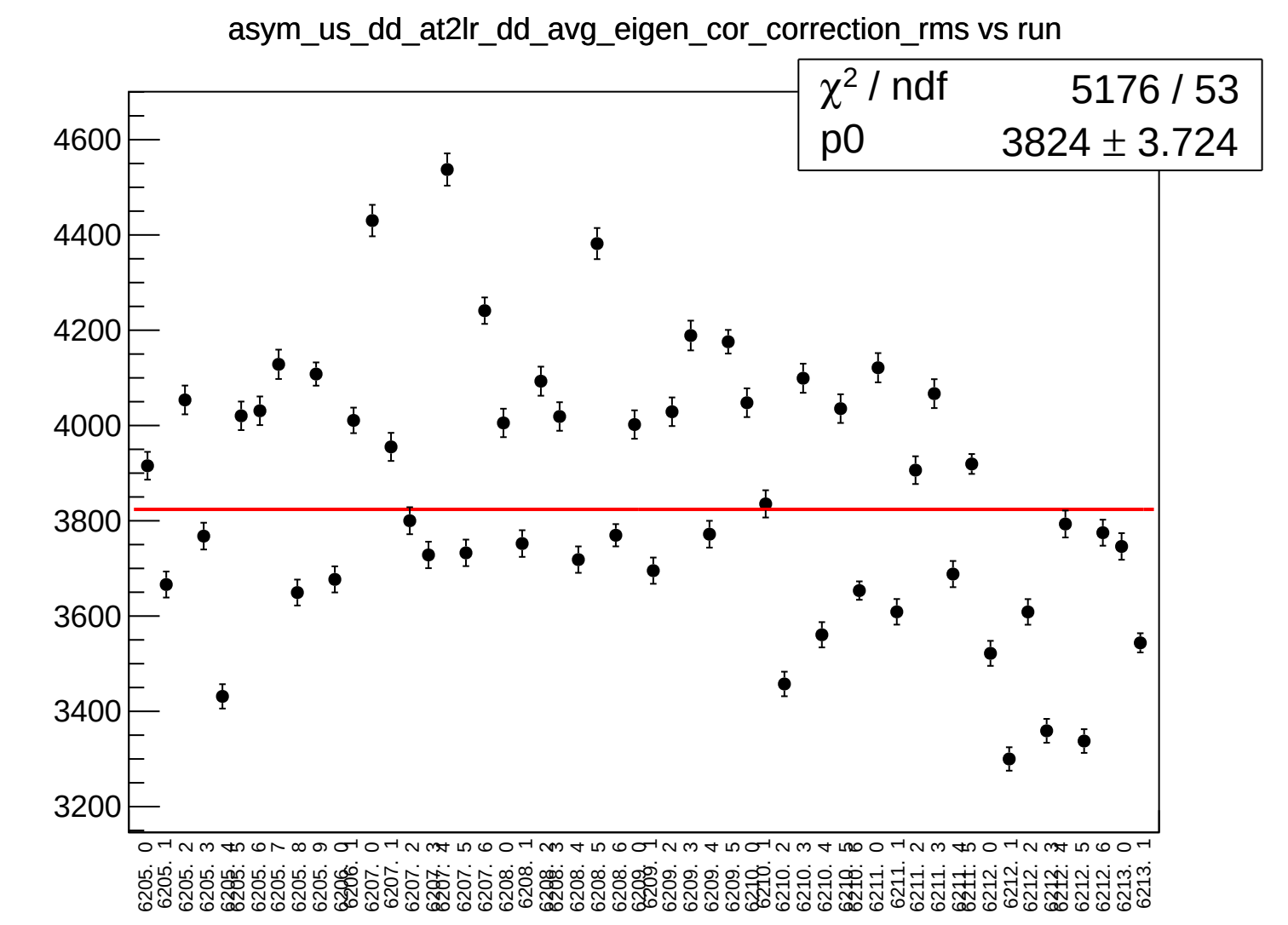

eigen_cor_asym_us_dd_at2lr_dd_avg_mean vs run
χ² / ndf 50.35 / 53
p0 −721.5 ± 2898
pull
Entries 54
Mean 199.6
Std Dev 0

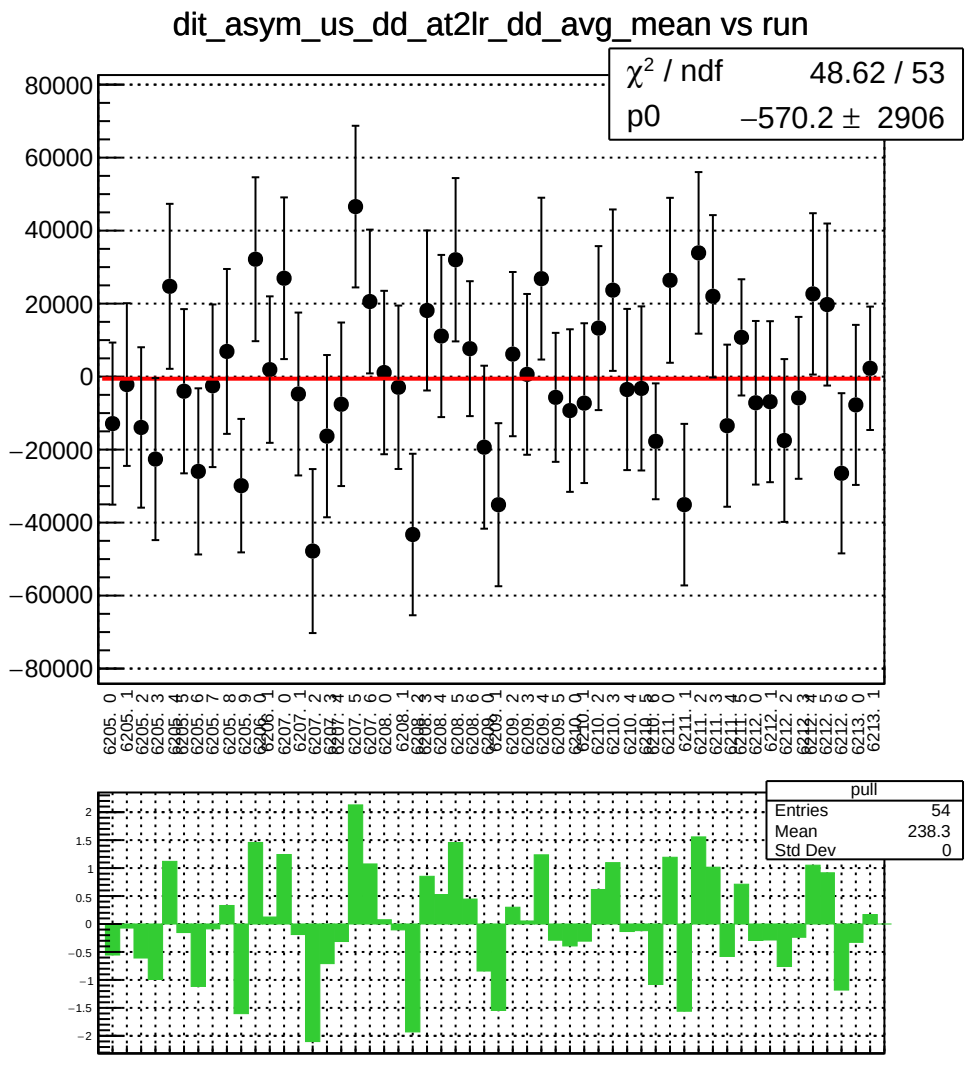

pull1D
Entries 54
Mean 0.006817
Std Dev 0.9656

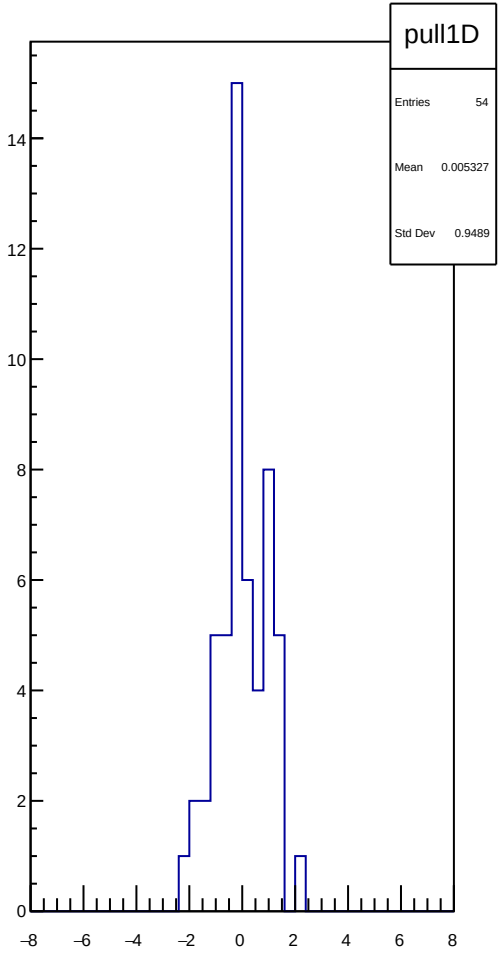

eigen_cor_asym_us_dd_at2lr_dd_avg_rms vs run
χ² / ndf 76.11 / 53
p0 2109 ± 2.049
2180
2160
2140
2120
2100
2080
2060
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

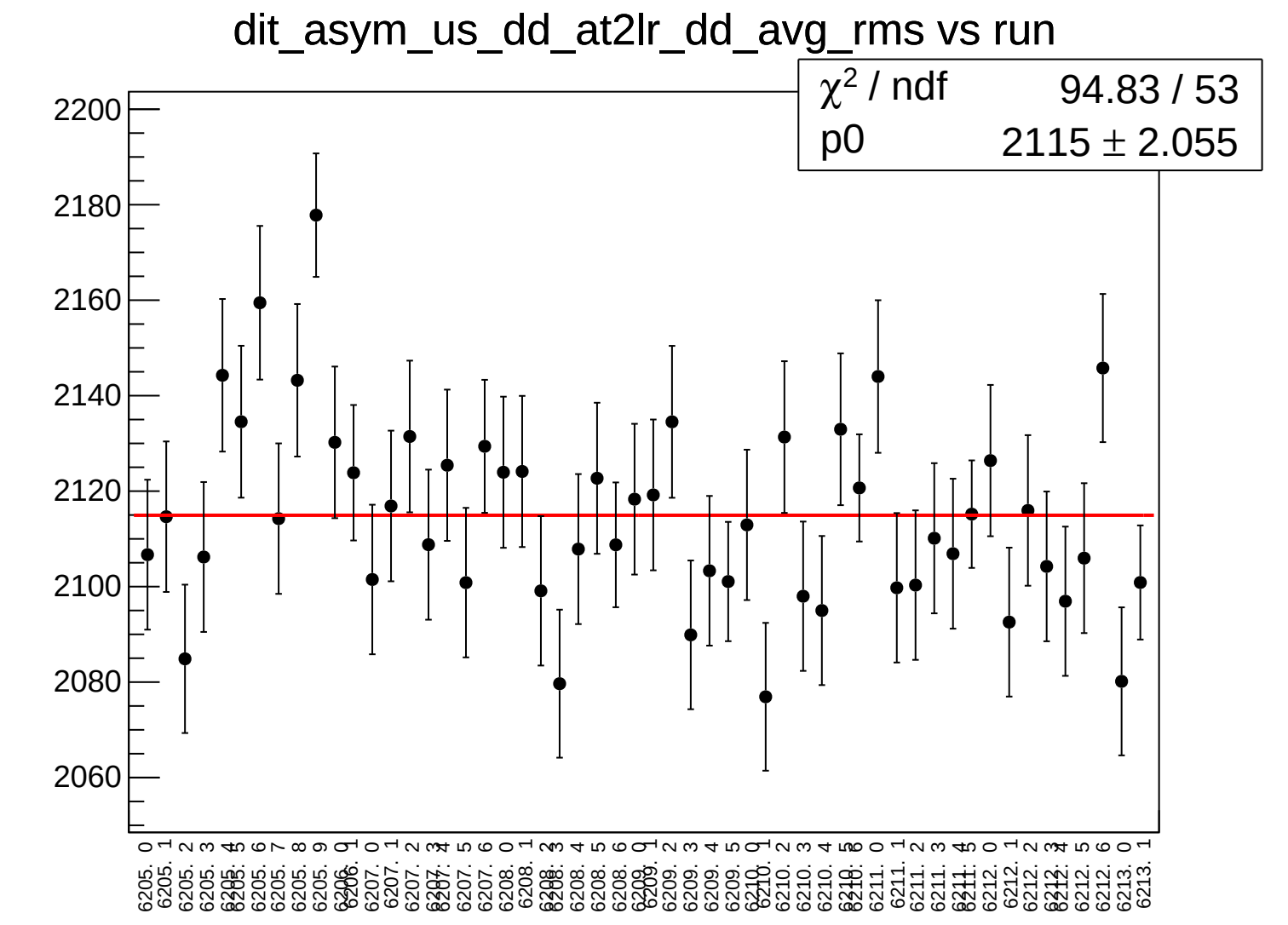

asym_us_dd_at2lr_dd_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 41.4 / 53
p0 −756.1± 5267
100
50
0
−50
−100
pull
Entries 54
Mean −0.4859
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

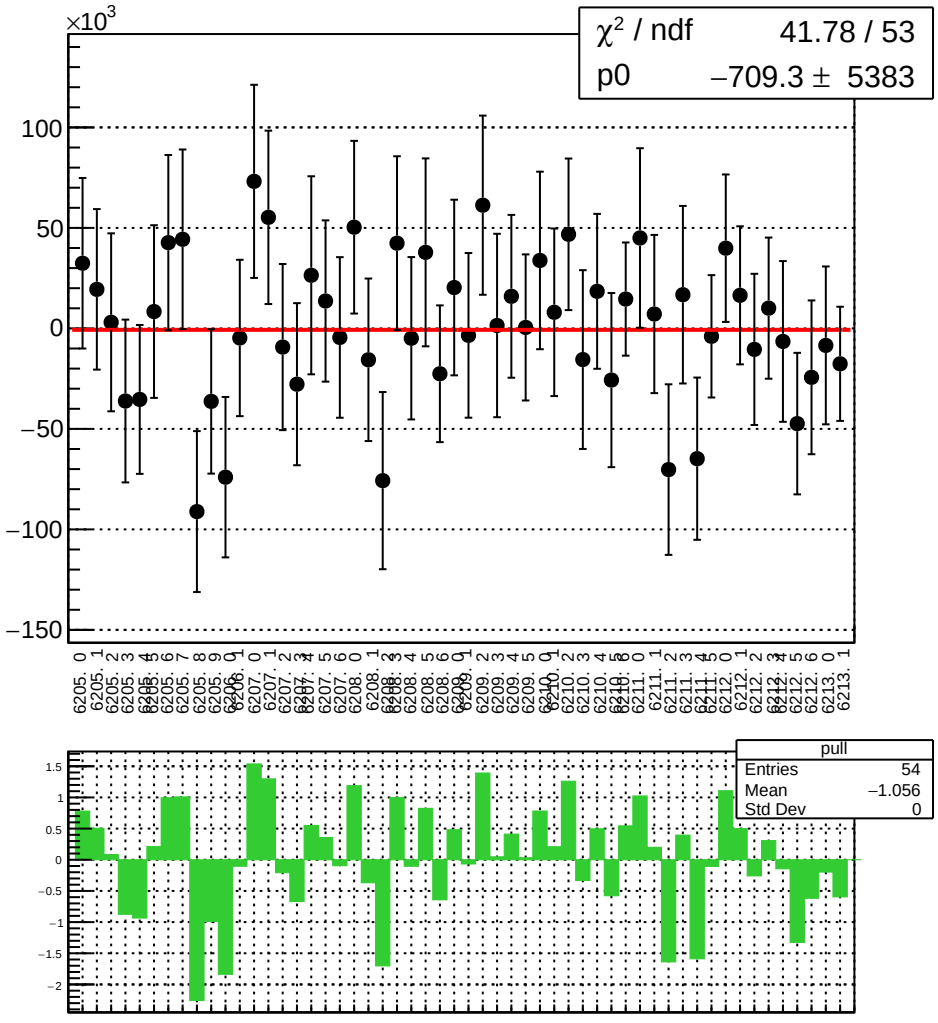

pull1D
Entries 54
Mean 0.02398
Std Dev 0.8752
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

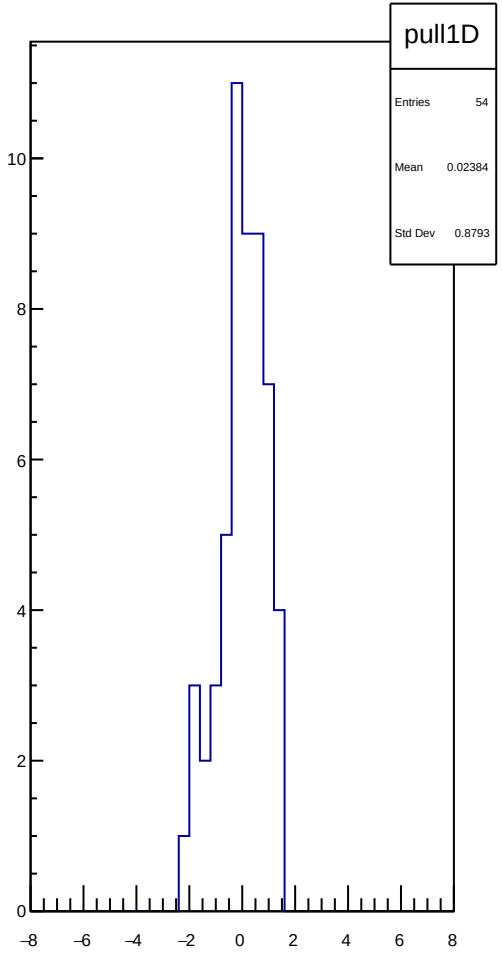

asym_us_dd_at2lr_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 5176 / 53
p0 3824 ± 3.724
4600
4400
4200
4000
3800
3600
3400
3200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

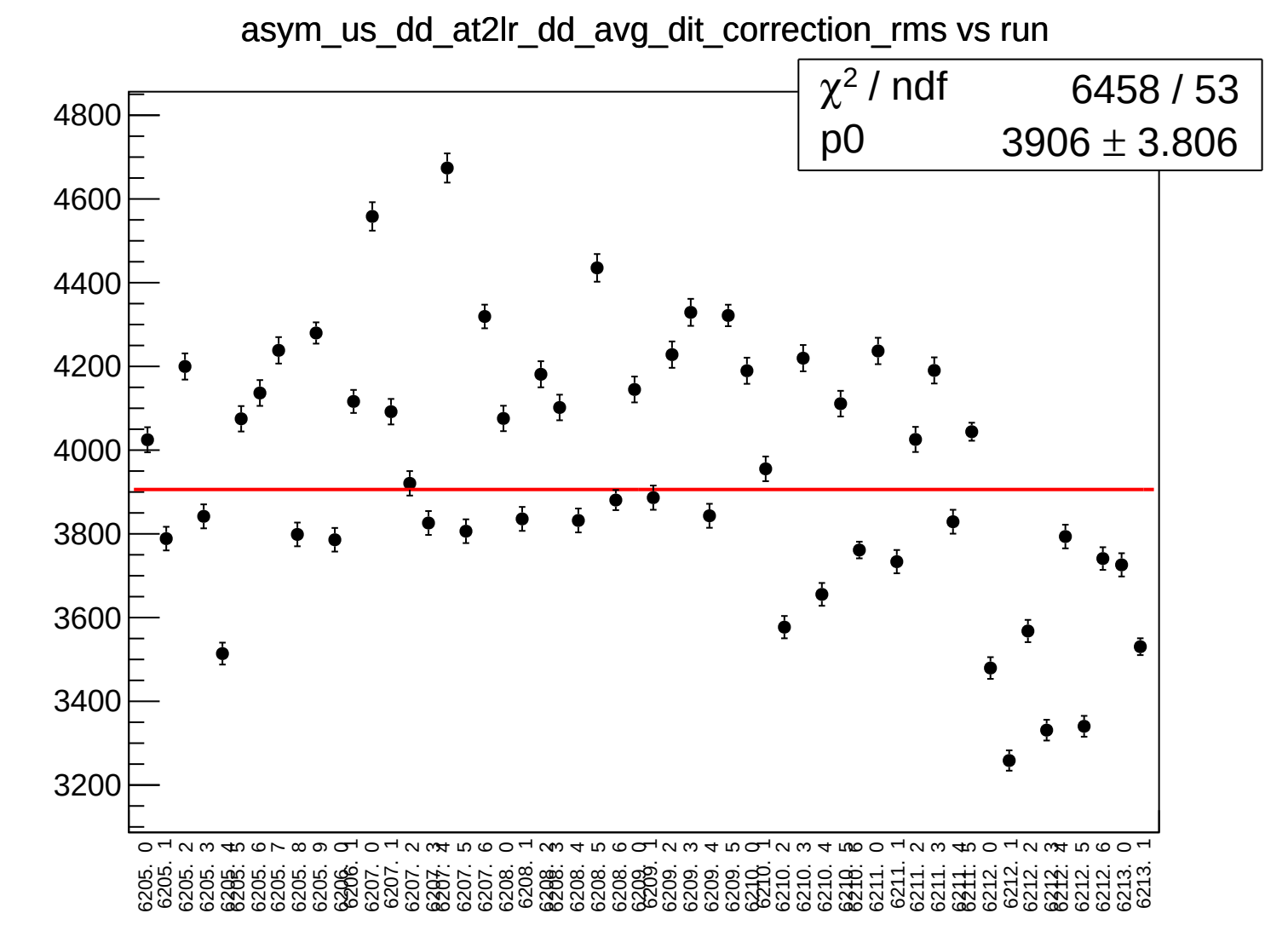

dit_asym_us_dd_at2lr_dd_avg_mean vs run
χ² / ndf 48.62 / 53
p0 −570.2 ± 2906
pull
Entries 54
Mean 238.3
Std Dev 0

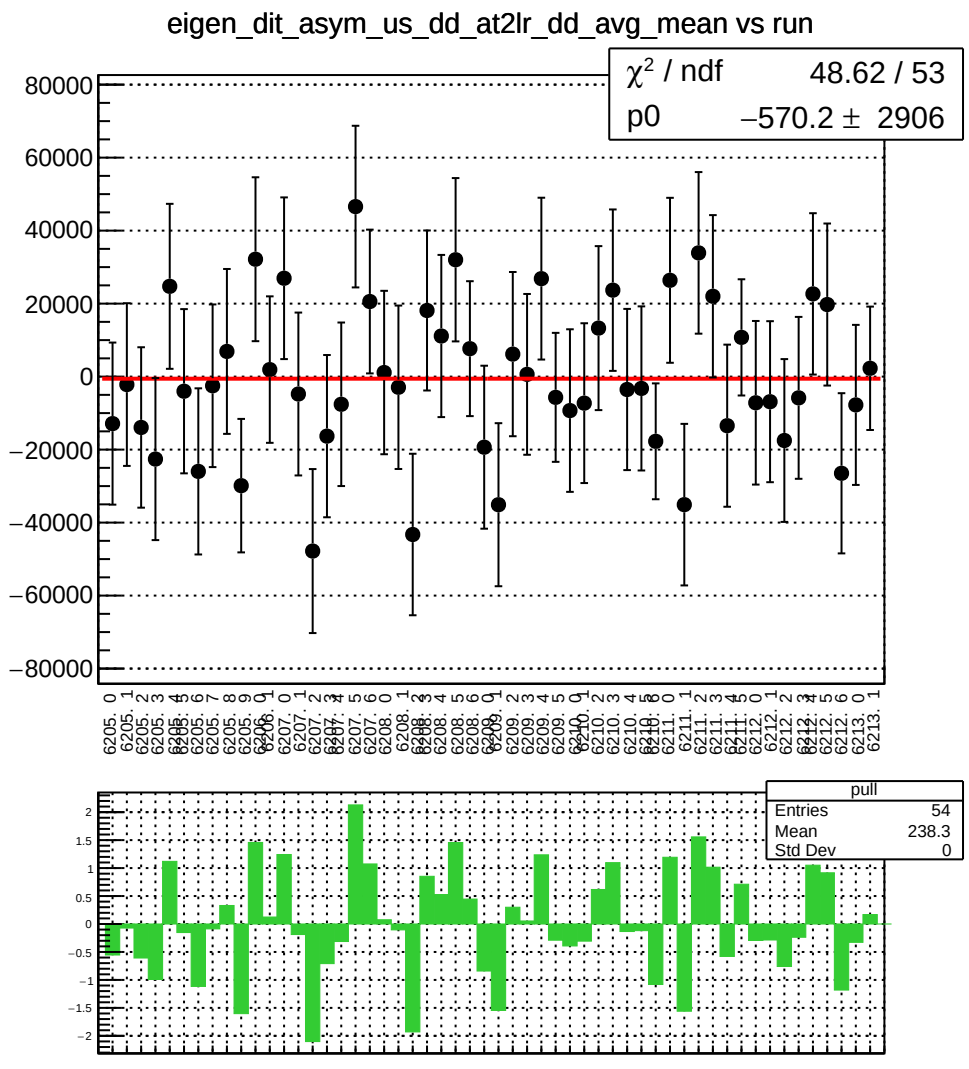

pull1D
Entries 54
Mean 0.005327
Std Dev 0.9489

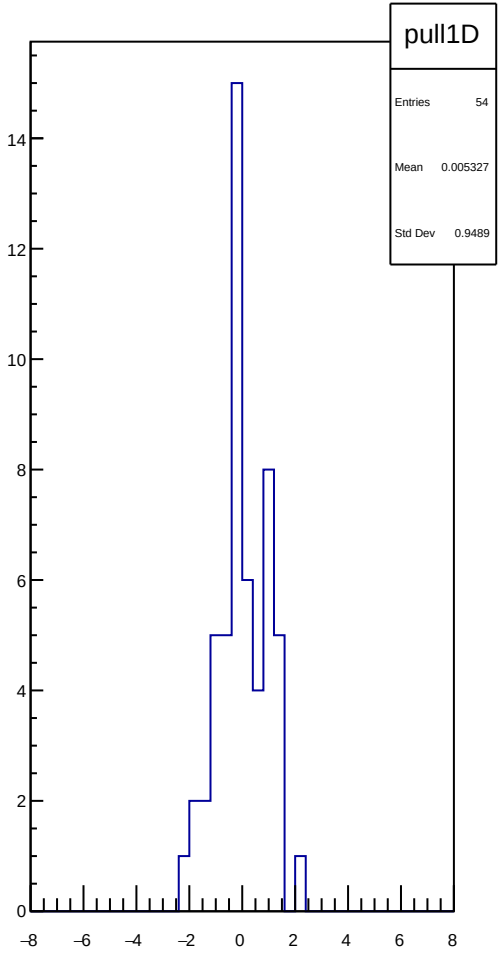

dit_asym_us_dd_at2lr_dd_avg_rms vs run
χ² / ndf 94.83 / 53
p0 2115 ± 2.055
2200
2180
2160
2140
2120
2100
2080
2060
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

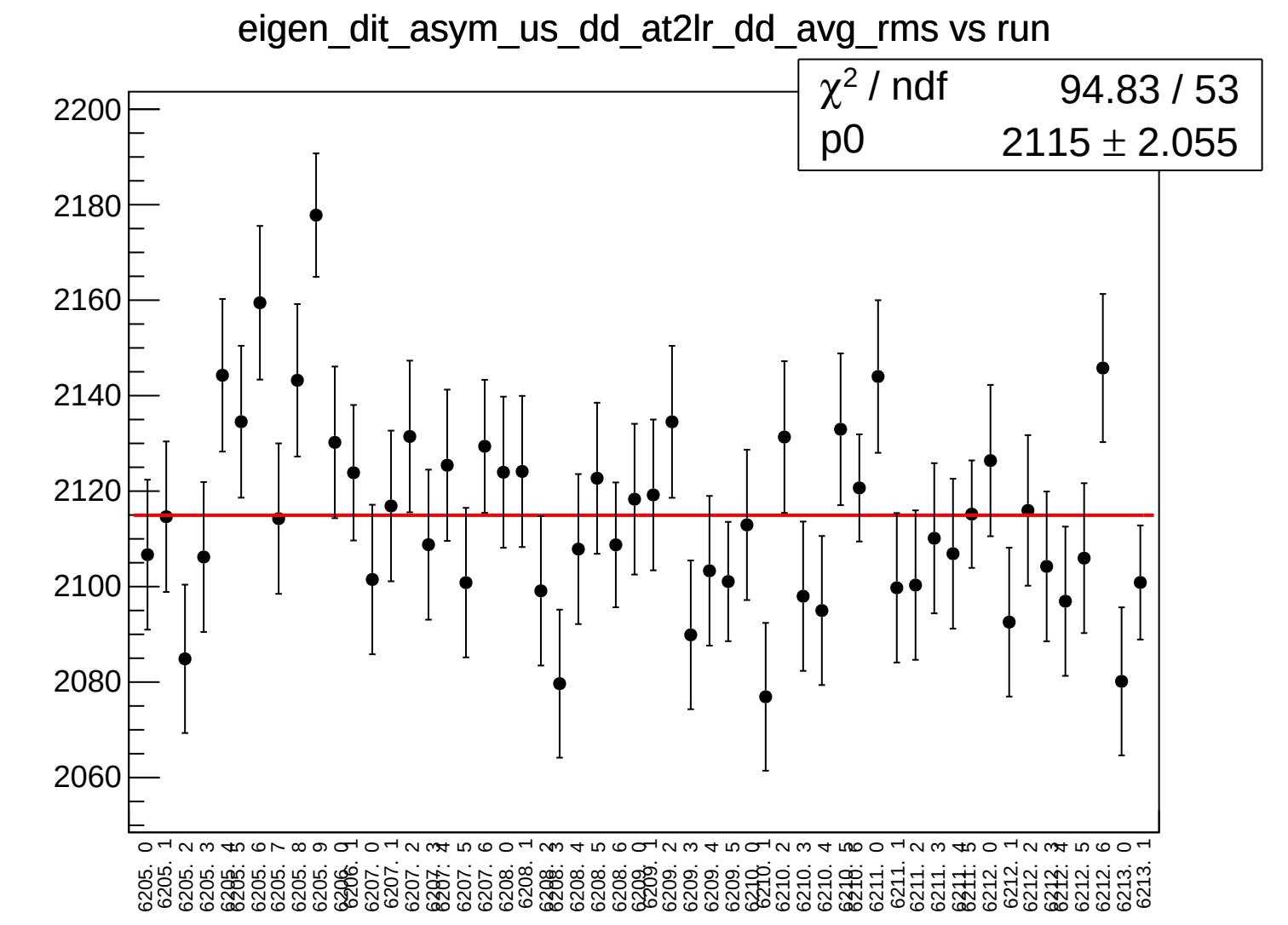

asym_us_dd_at2lr_dd_avg_dit_correction_mean vs run
×10^3
χ² / ndf 41.78 / 53
p0 −709.3 ± 5383
100
50
0
−50
−100
−150
pull
Entries 54
Mean −1.056
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

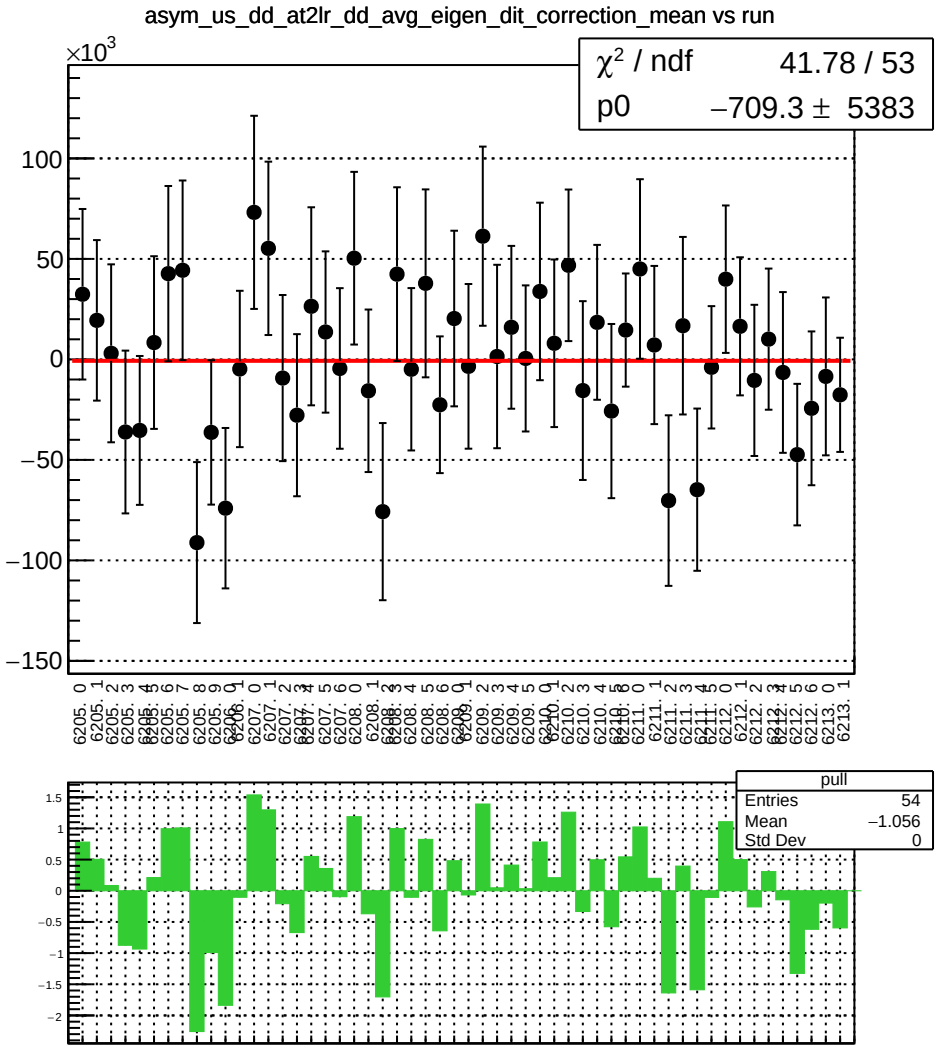

pull1D
Entries 54
Mean 0.02384
Std Dev 0.8793
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

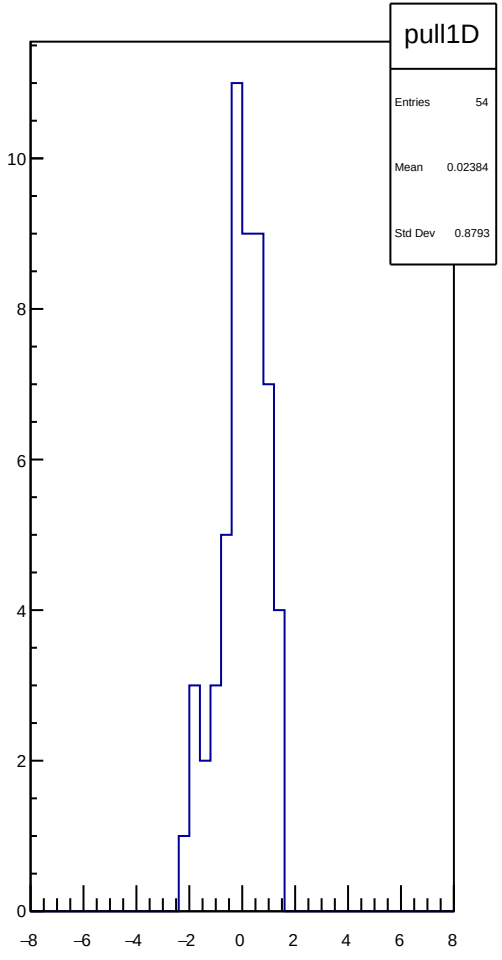

asym_us_dd_at2lr_dd_avg_dit_correction_rms vs run
χ² / ndf 6458 / 53
p0 3906 ± 3.806
4800
4600
4400
4200
4000
3800
3600
3400
3200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

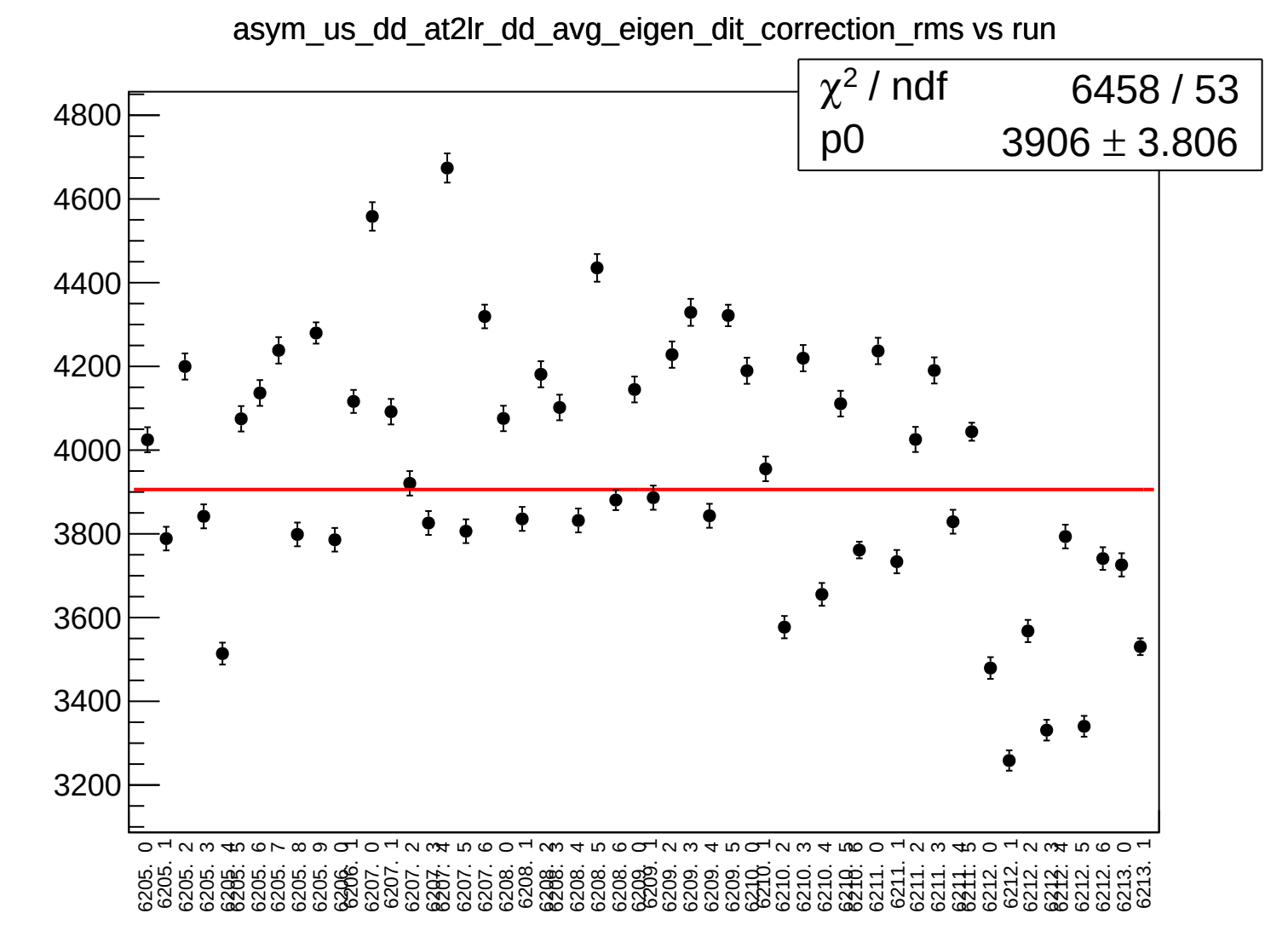

eigen_dit_asym_us_dd_at2lr_dd_avg_mean vs run
χ² / ndf 48.62 / 53
p0 −570.2 ± 2906
pull
Entries 54
Mean 238.3
Std Dev 0

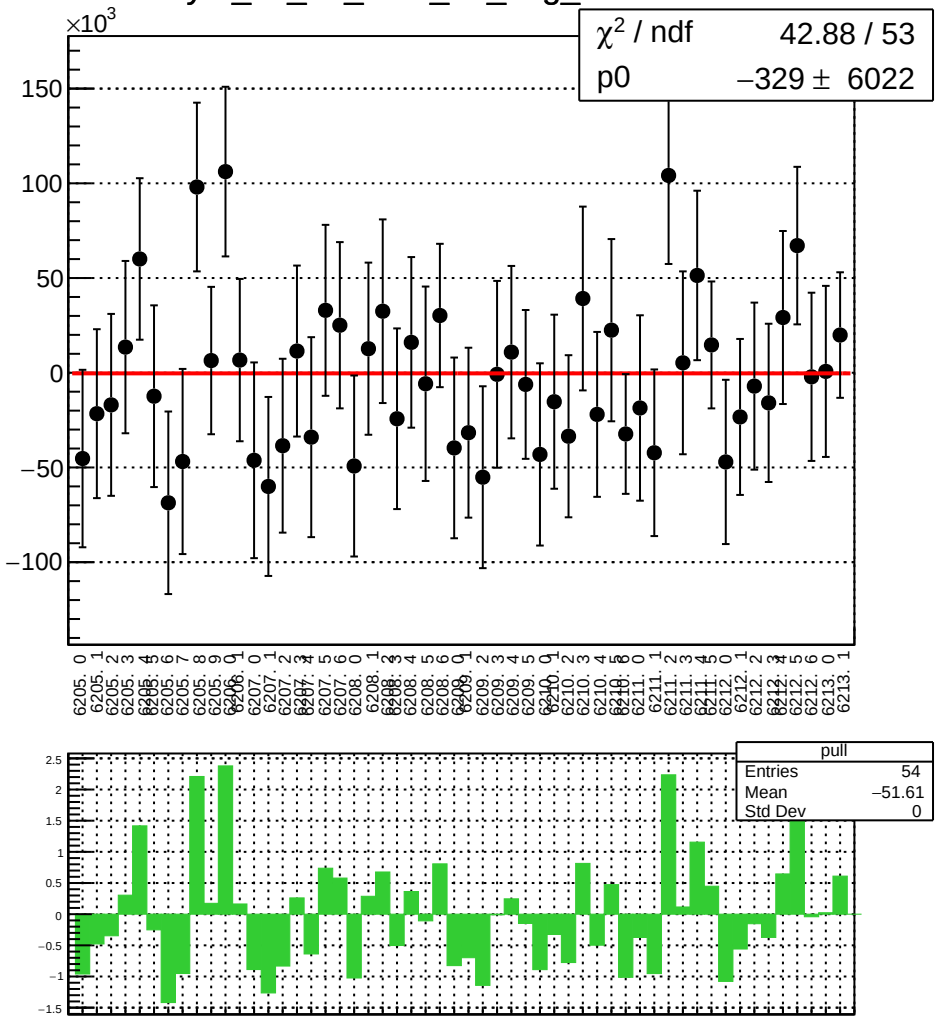

pull1D
Entries 54
Mean 0.005327
Std Dev 0.9489

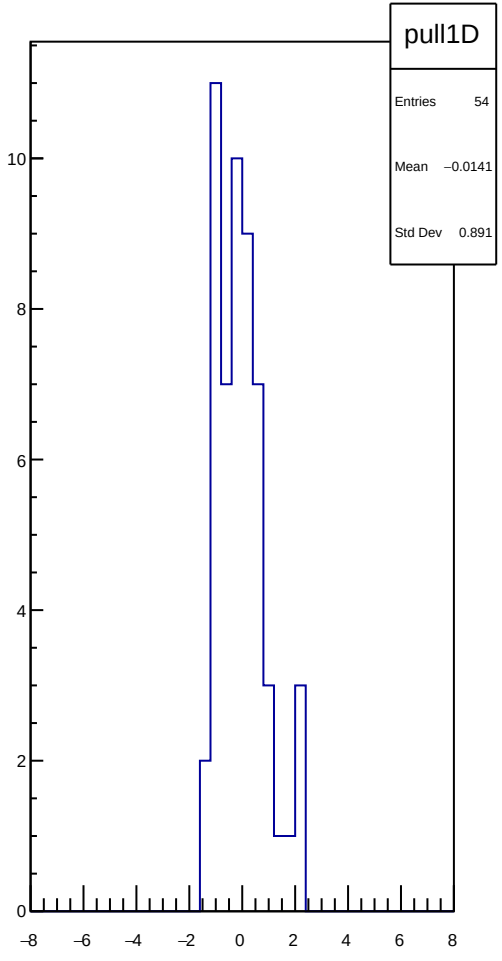

eigen_dit_asym_us_dd_at2lr_dd_avg_rms vs run
χ² / ndf 94.83 / 53
p0 2115 ± 2.055
2200
2180
2160
2140
2120
2100
2080
2060
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

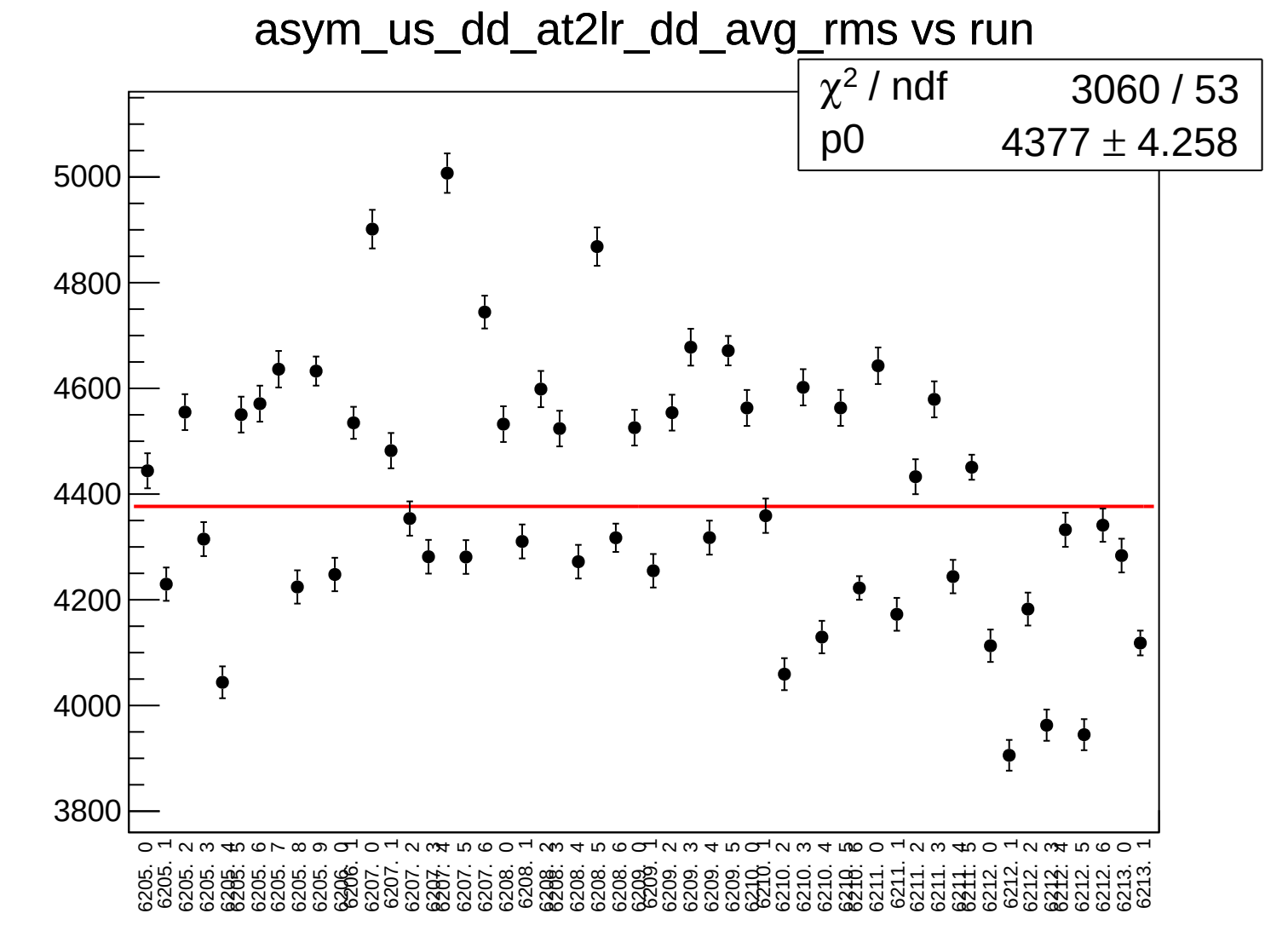

asym_us_dd_at2lr_dd_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 41.78 / 53
p0 −709.3 ± 5383
100
50
0
−50
−100
−150
pull
Entries 54
Mean −1.056
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

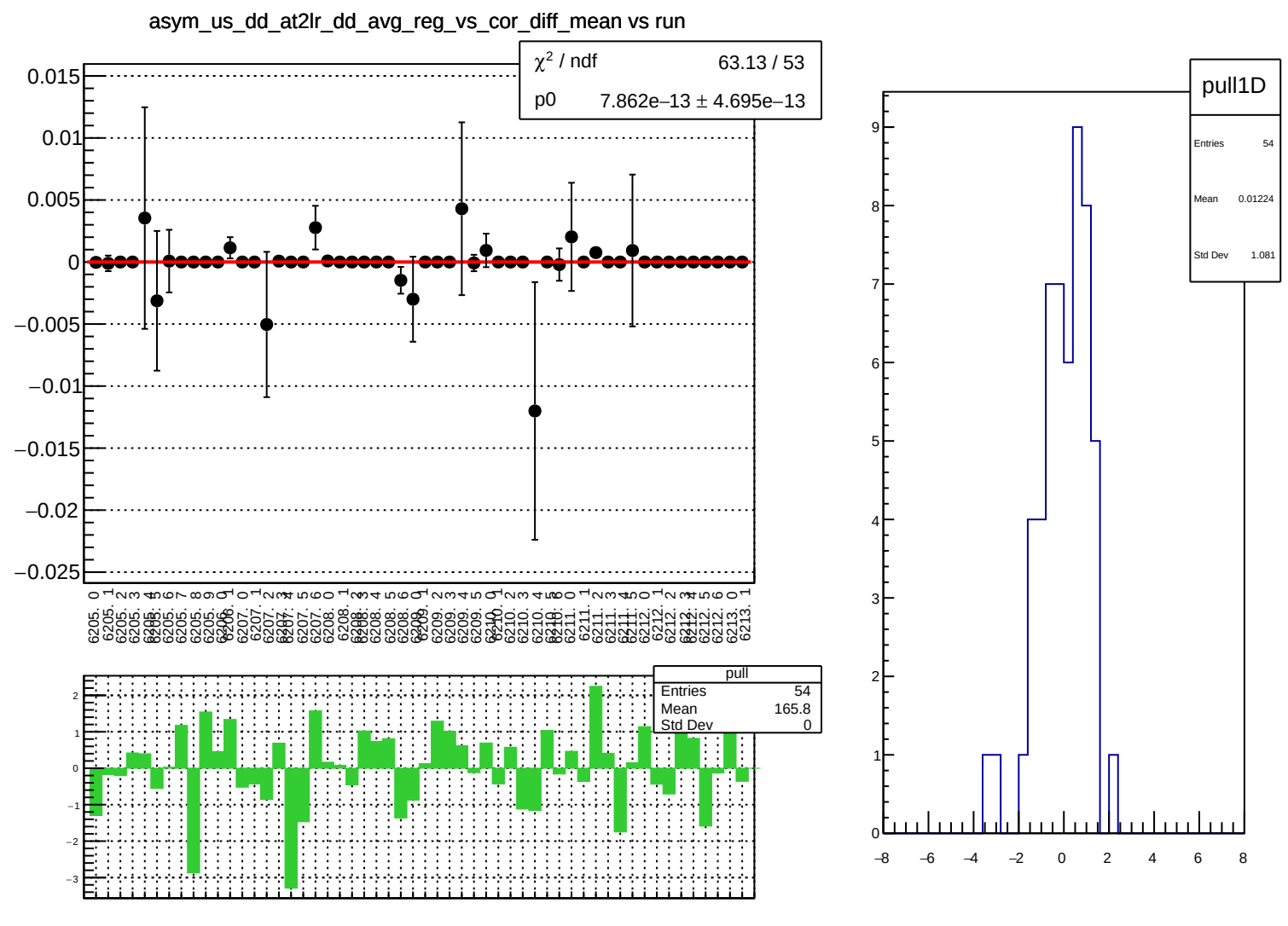

pull1D
Entries 54
Mean 0.02384
Std Dev 0.8793
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

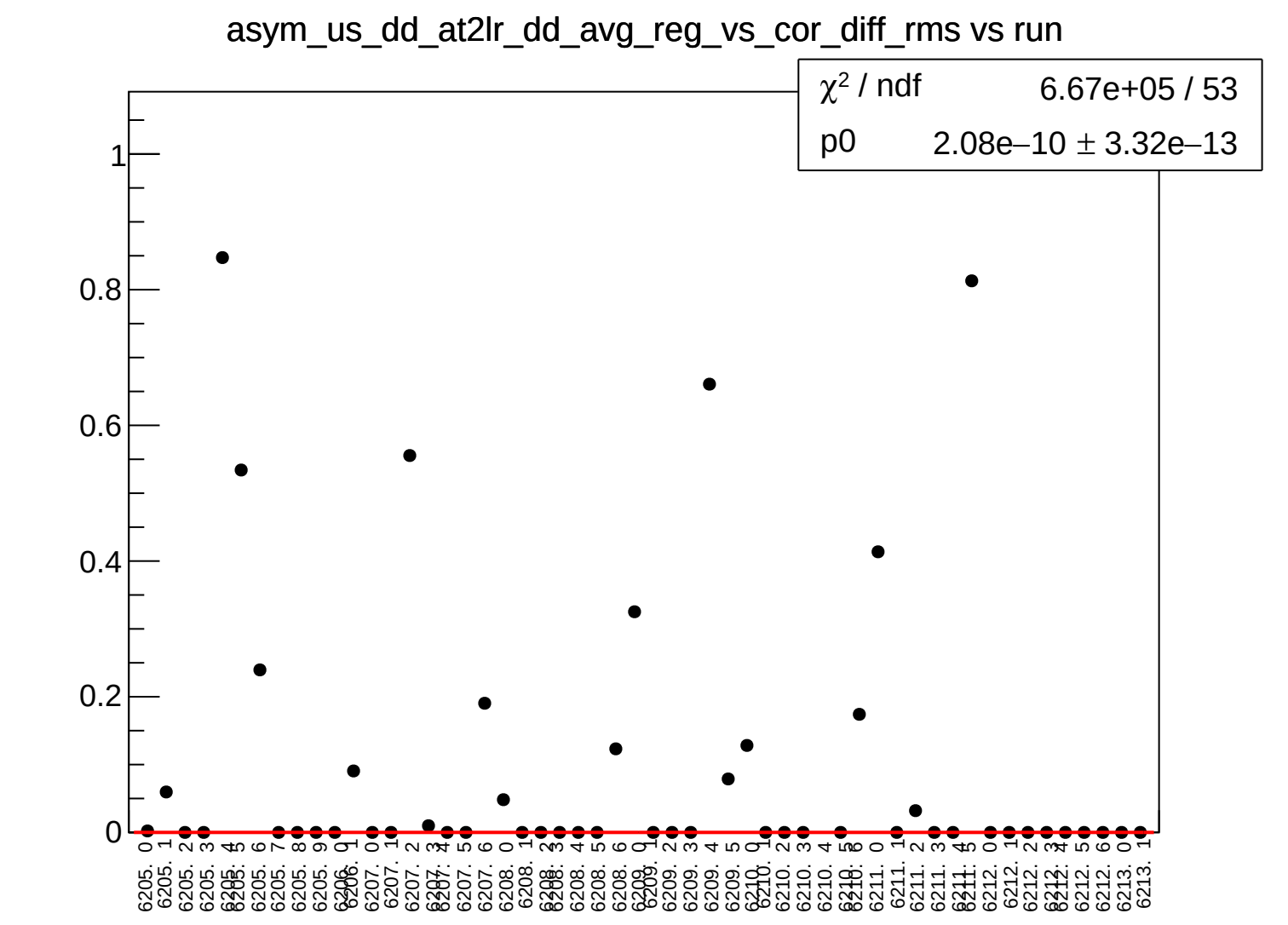

asym_us_dd_at2lr_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 6458 / 53
p0 3906 ± 3.806
4800
4600
4400
4200
4000
3800
3600
3400
3200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

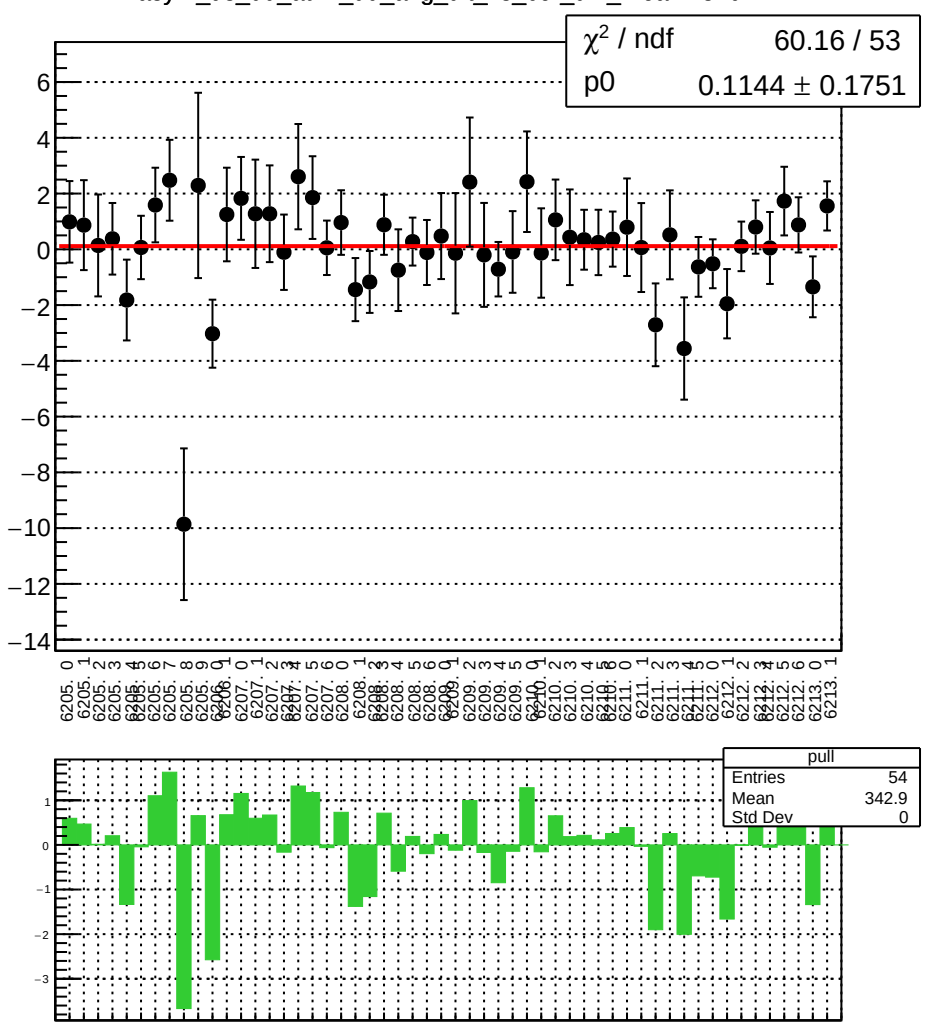

asym_us_dd_at2lr_dd_avg_mean vs run
×10^3
χ² / ndf 42.88 / 53
p0 −329 ± 6022
150
100
50
0
−50
−100
pull
Entries 54
Mean −51.61
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

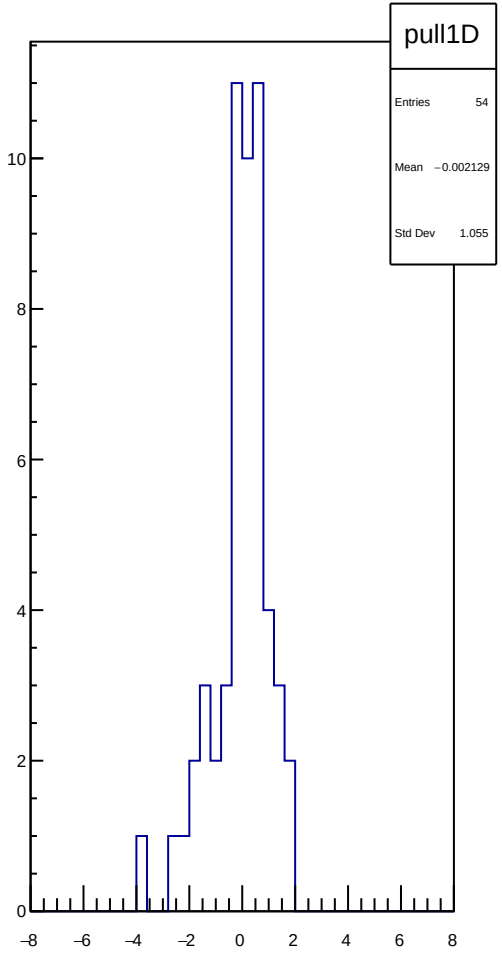

pull1D
Entries 54
Mean −0.0141
Std Dev 0.891
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

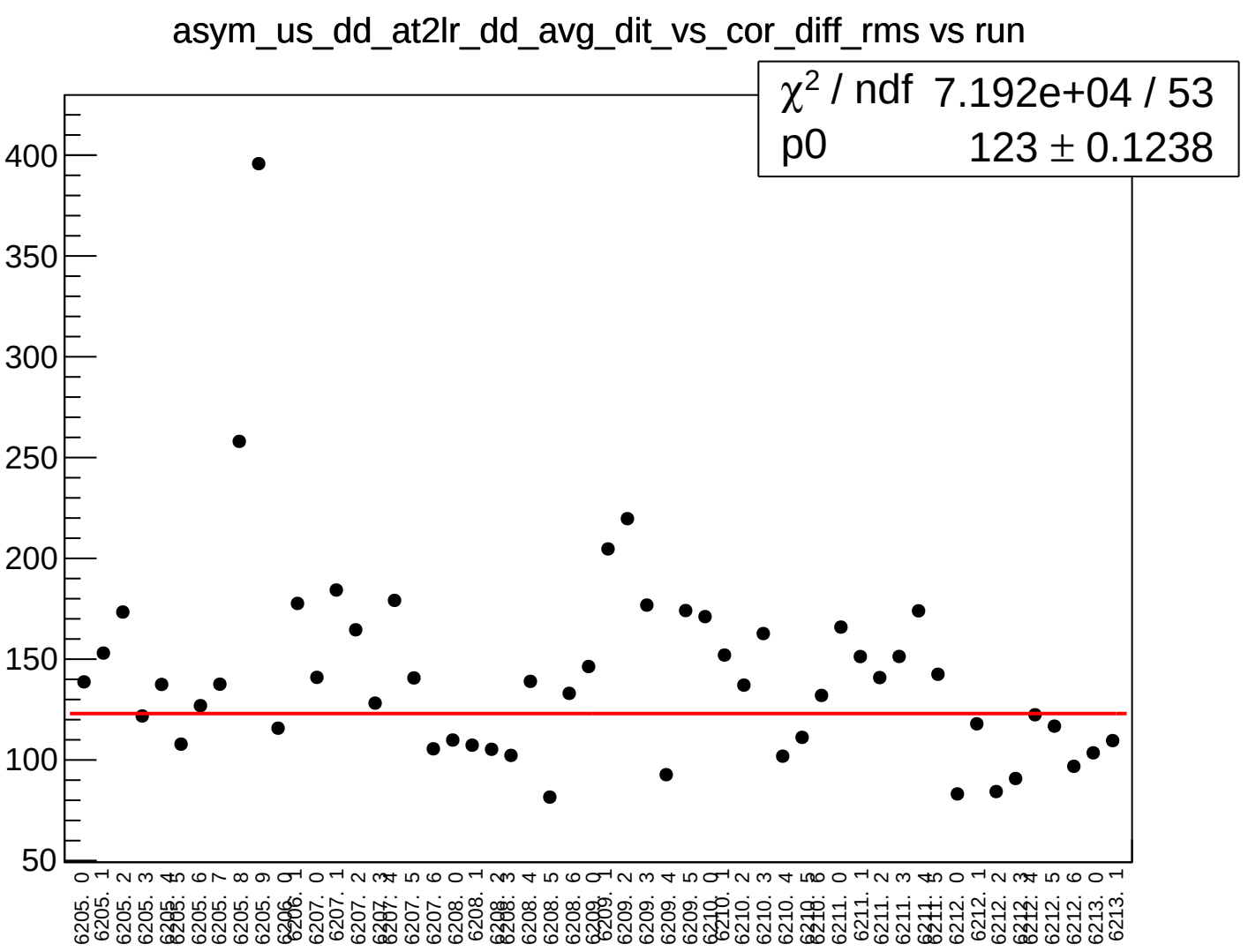

asym_us_dd_at2lr_dd_avg_rms vs run
χ² / ndf 3060 / 53
p0 4377 ± 4.258
5000
4800
4600
4400
4200
4000
3800
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

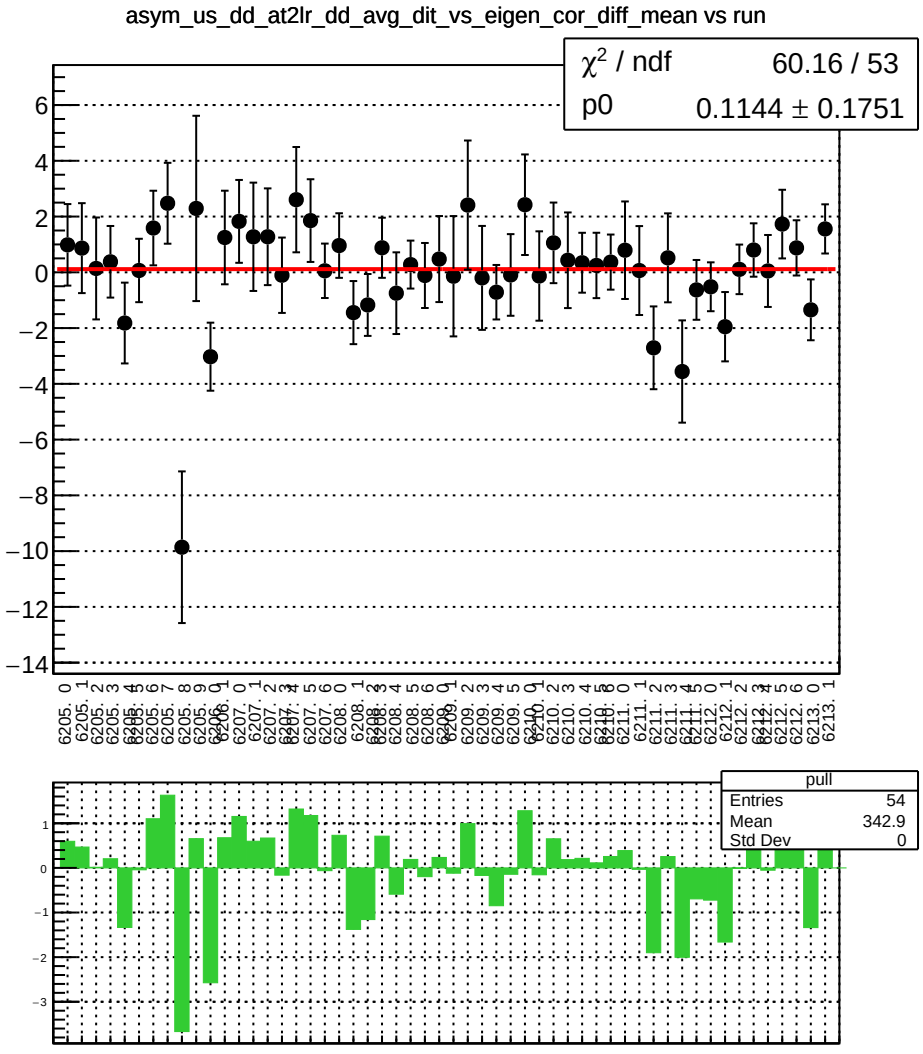

asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 63.13 / 53
p0 7.862e−13 ± 4.695e−13
pull
Entries 54
Mean 165.8
Std Dev 0
pull1D
Entries 54
Mean 0.01224
Std Dev 1.081

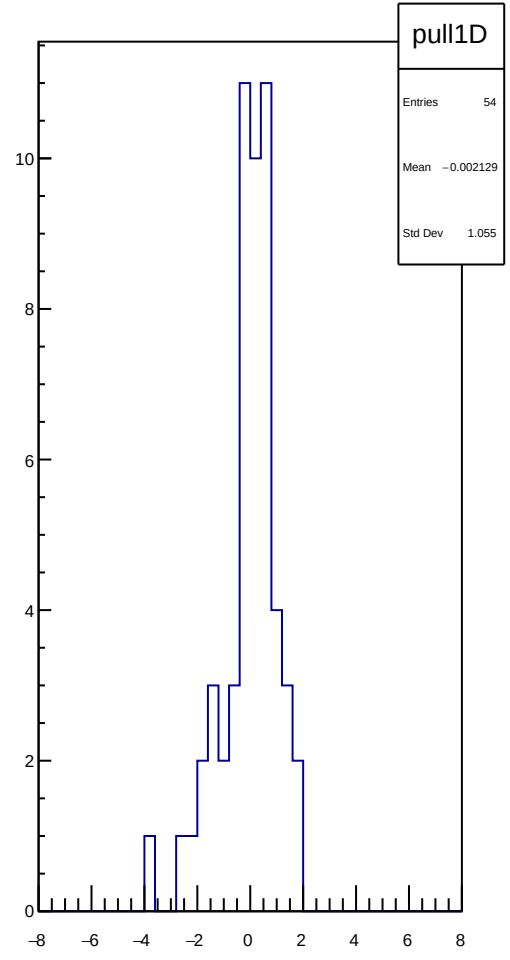

asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.67e+05 / 53
p0 2.08e−10 ± 3.32e−13
1
0.8
0.6
0.4
0.2
0
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 1
6207. 0
6207. 10
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

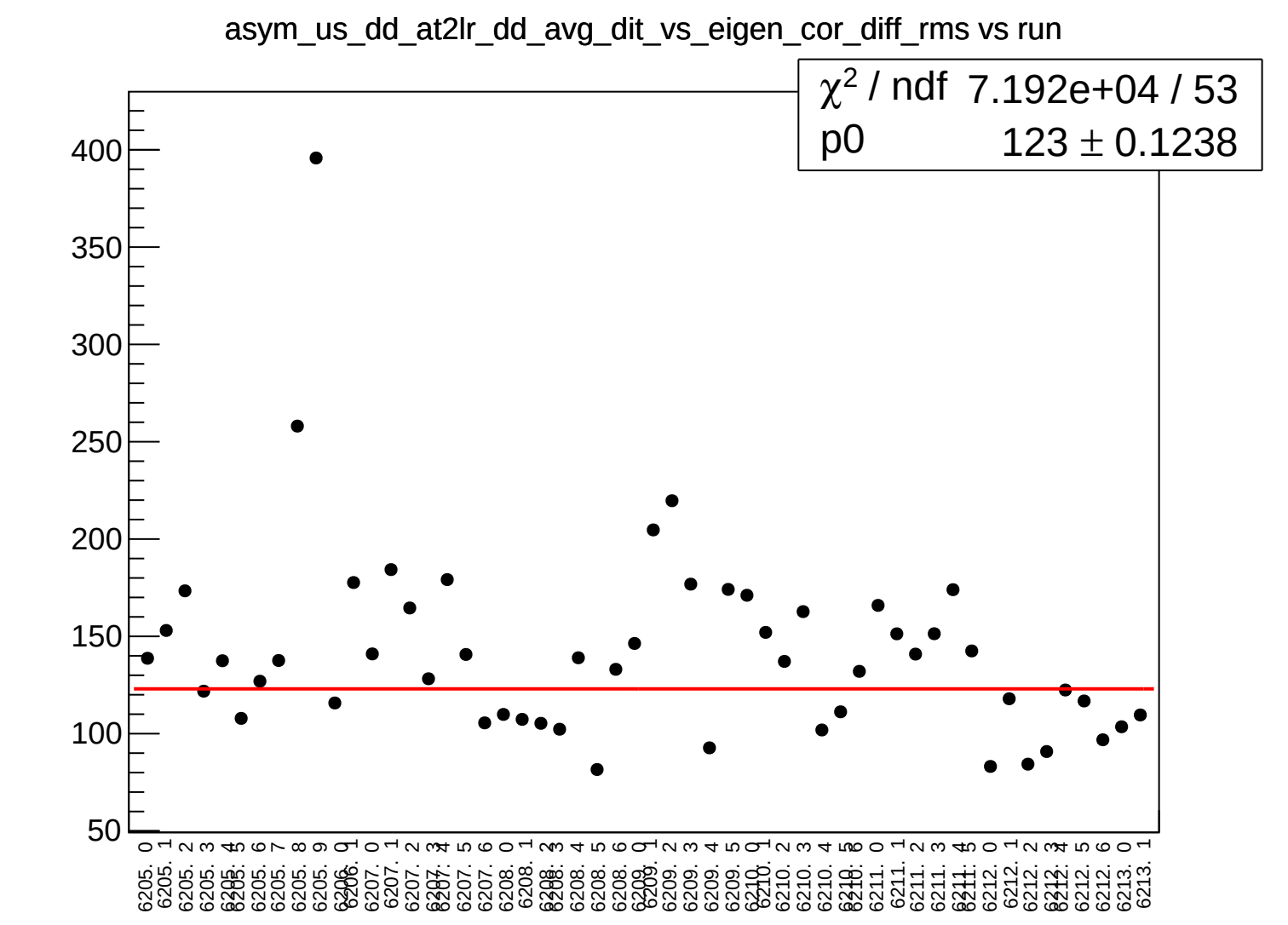

asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 60.16 / 53
p0 0.1144 ± 0.1751
pull
Entries 54
Mean 342.9
Std Dev 0

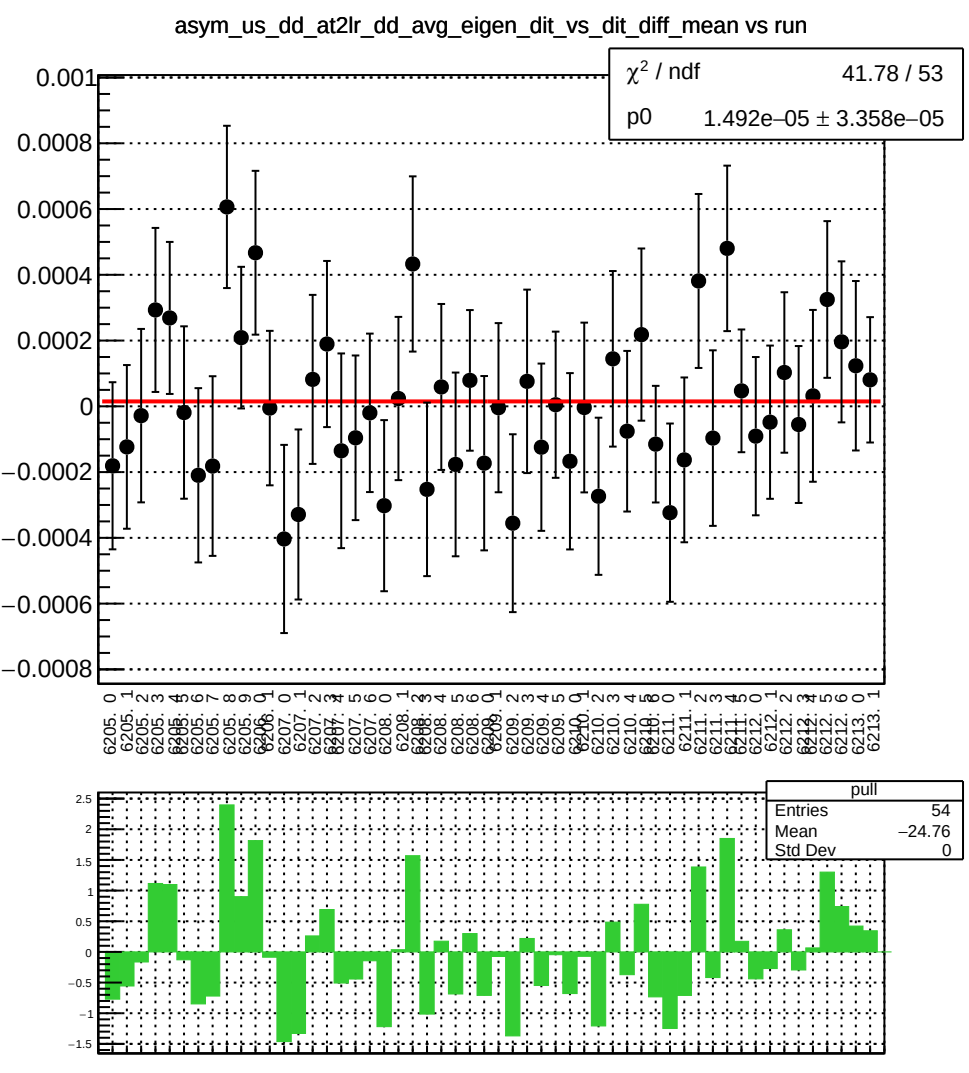

pull1D
Entries 54
Mean −0.002129
Std Dev 1.055

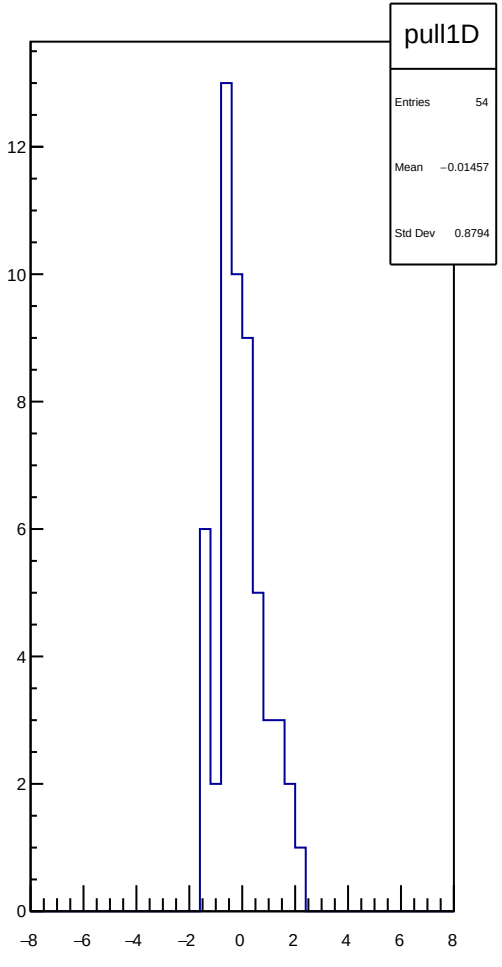

asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 7.192e+04 / 53
p0 123 ± 0.1238
400
350
300
250
200
150
100
50
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

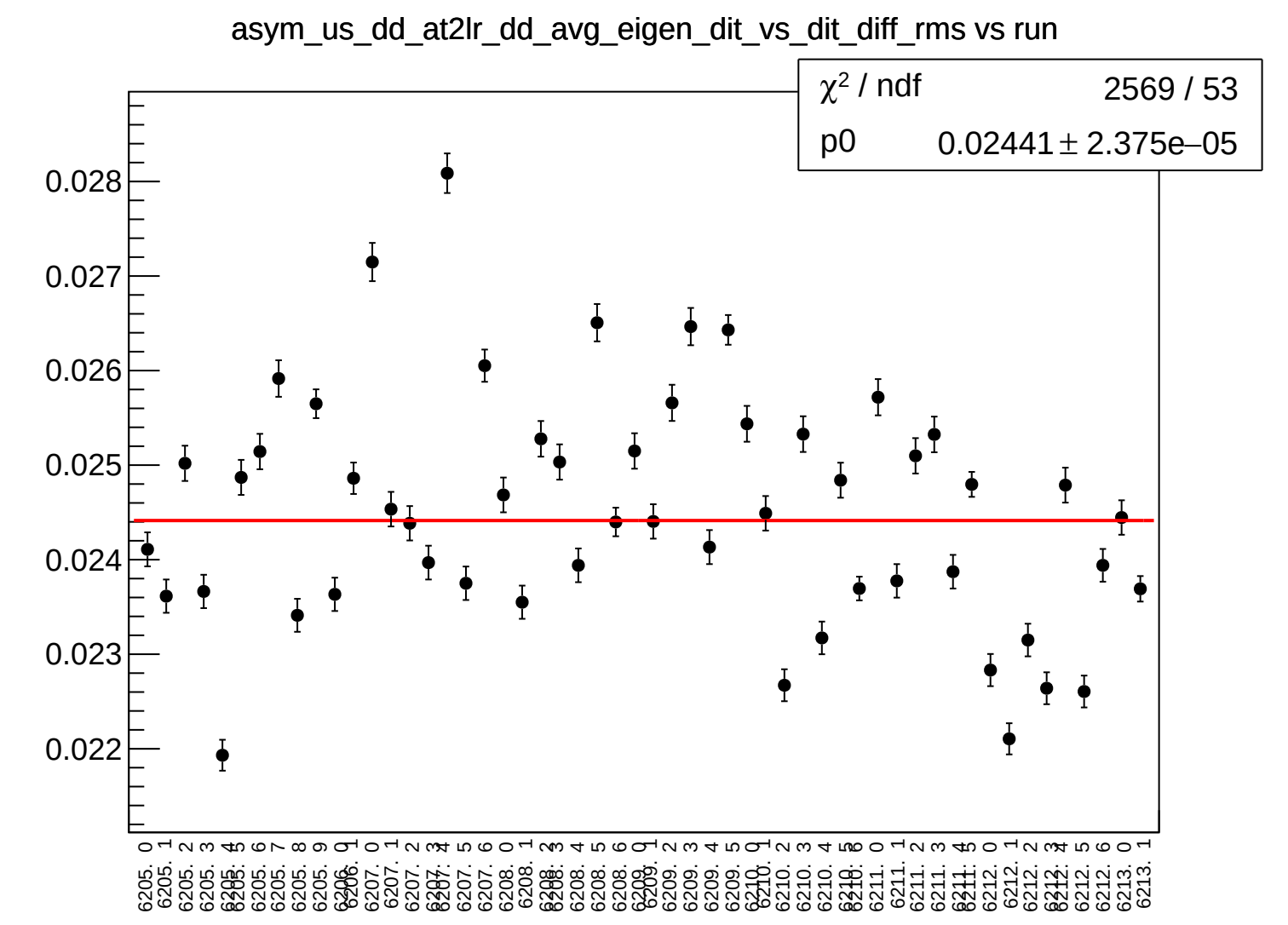

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 60.16 / 53
p0 0.1144 ± 0.1751
pull
Entries 54
Mean 342.9
Std Dev 0


pull1D
Entries 54
Mean −0.002129
Std Dev 1.055


asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.192e+04 / 53
p0 123 ± 0.1238
400
350
300
250
200
150
100
50
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 5
6212. 6
6213. 0
6213. 1


asym_us_dd_at2lr_dd_avg_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 41.78 / 53
p0 1.492e−05 ± 3.358e−05
pull
Entries 54
Mean −24.76
Std Dev 0


pull1D
Entries 54
Mean −0.01457
Std Dev 0.8794


asym_us_dd_at2lr_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2569 / 53
p0 0.02441 ± 2.375e−05
0.028
0.027
0.026
0.025
0.024
0.023
0.022
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
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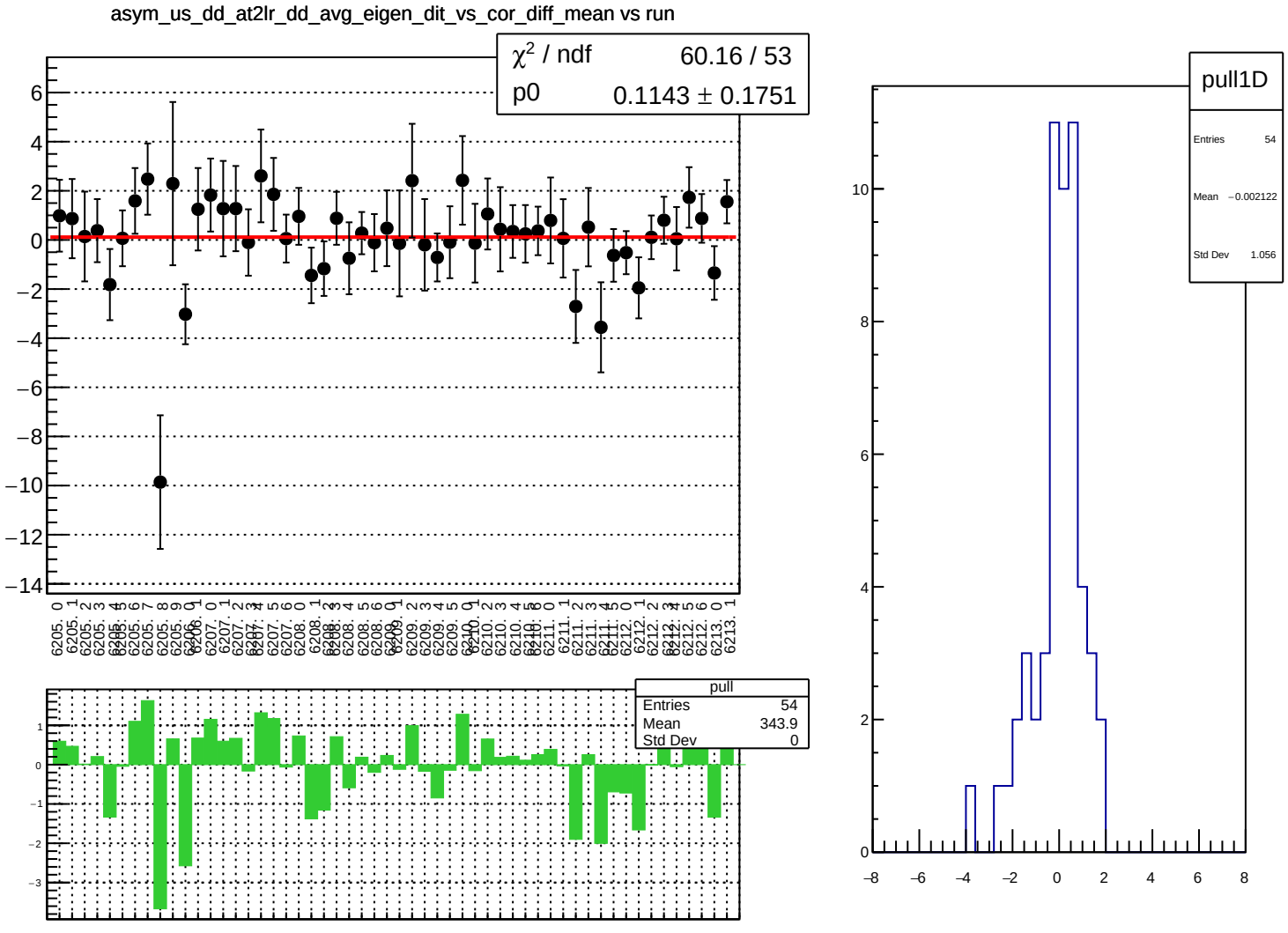
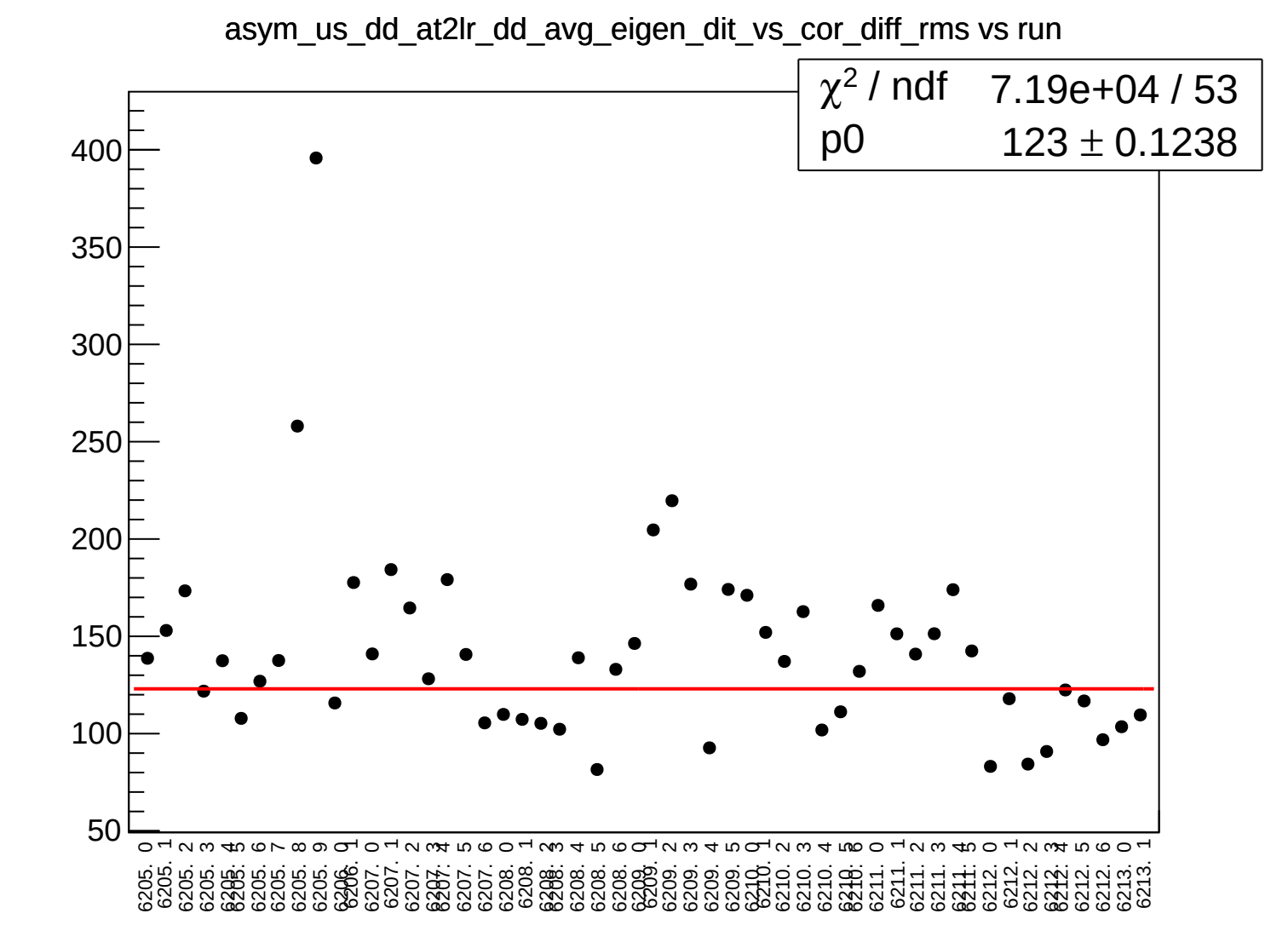
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 60.16 / 53
p0 0.1143 ± 0.1751
pull
Entries 54
Mean 343.9
Std Dev 0
pull1D
Entries 54
Mean −0.002122
Std Dev 1.056


asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 7.19e+04 / 53
p0 123 ± 0.1238
400
350
300
250
200
150
100
50
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
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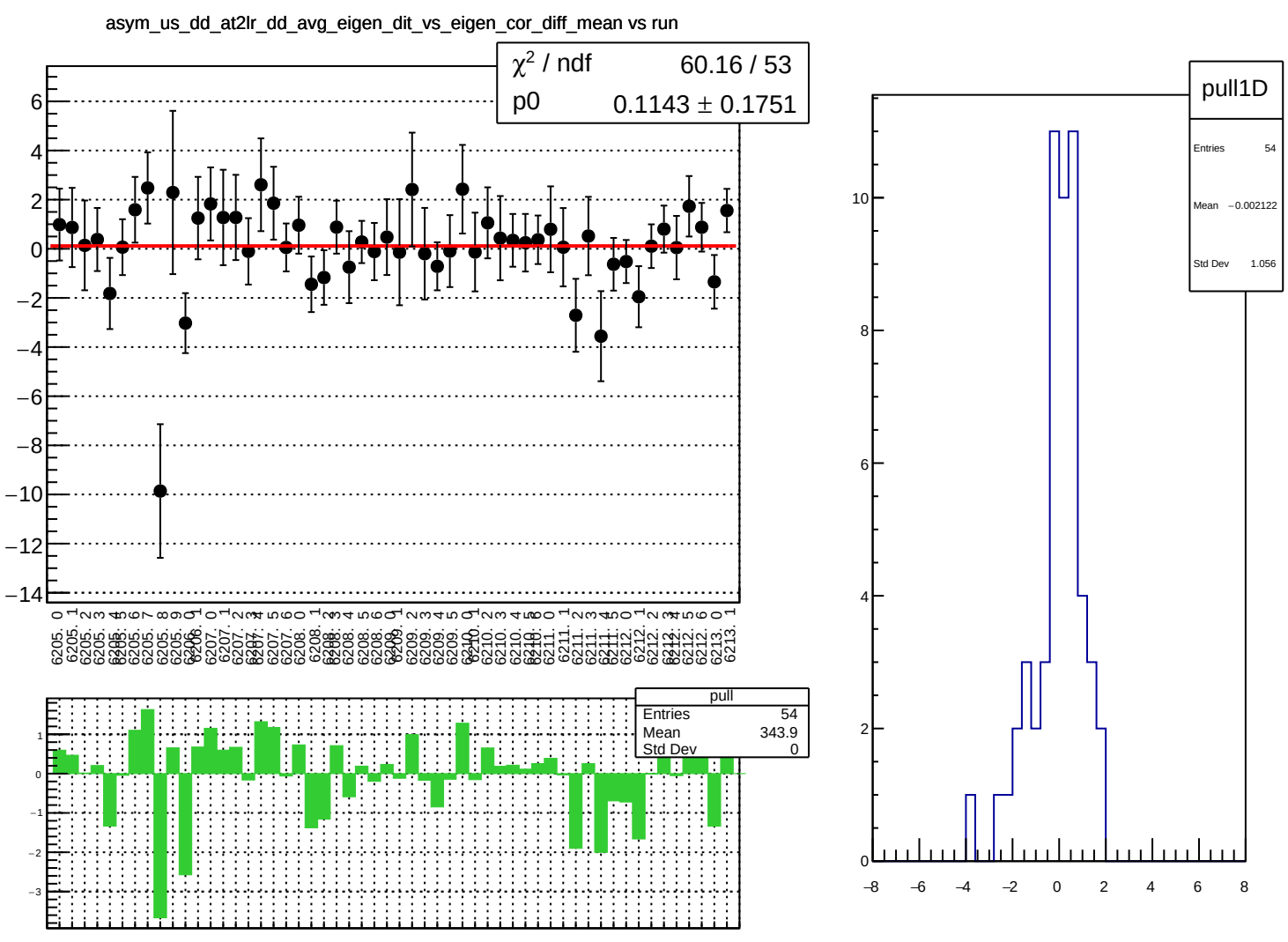
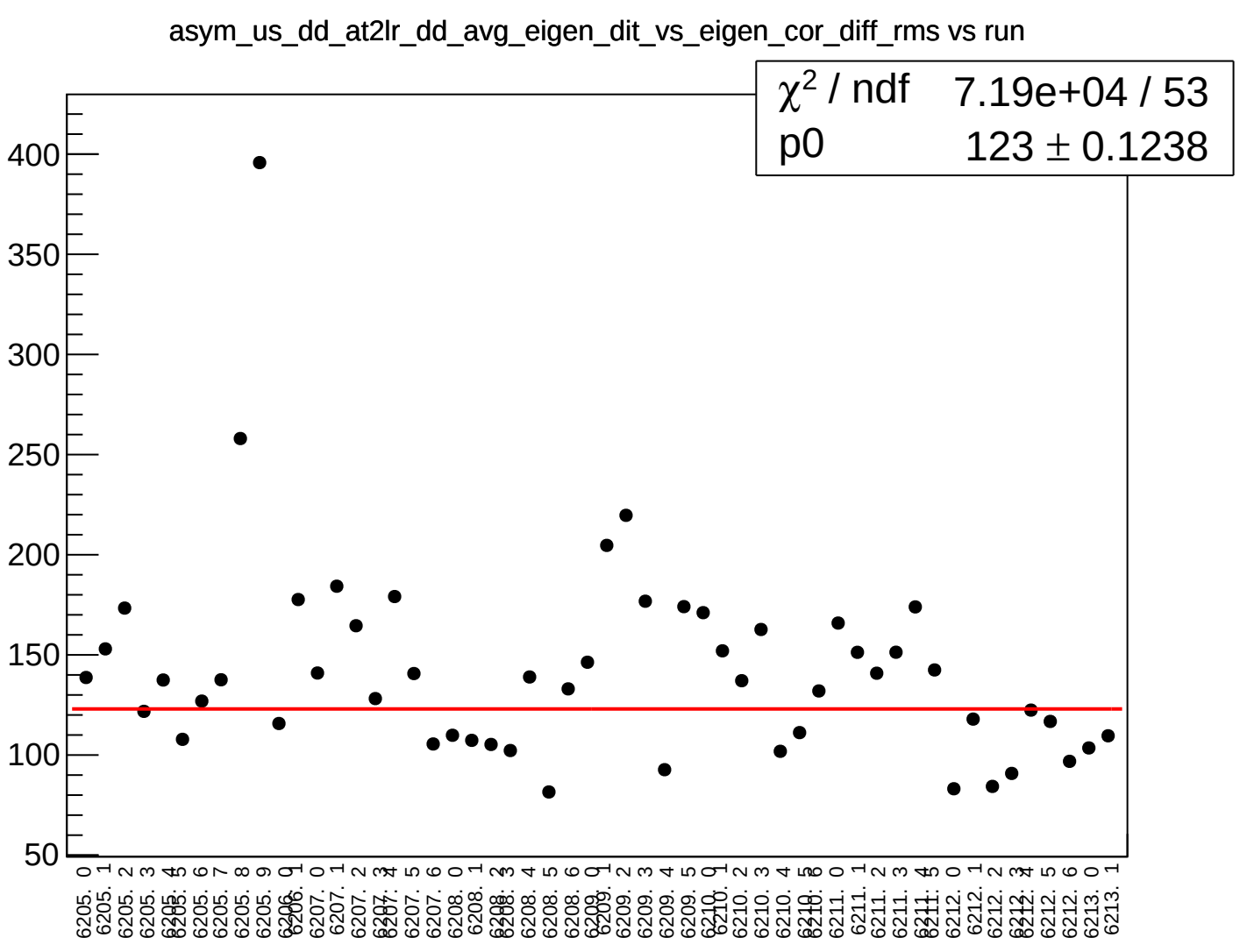
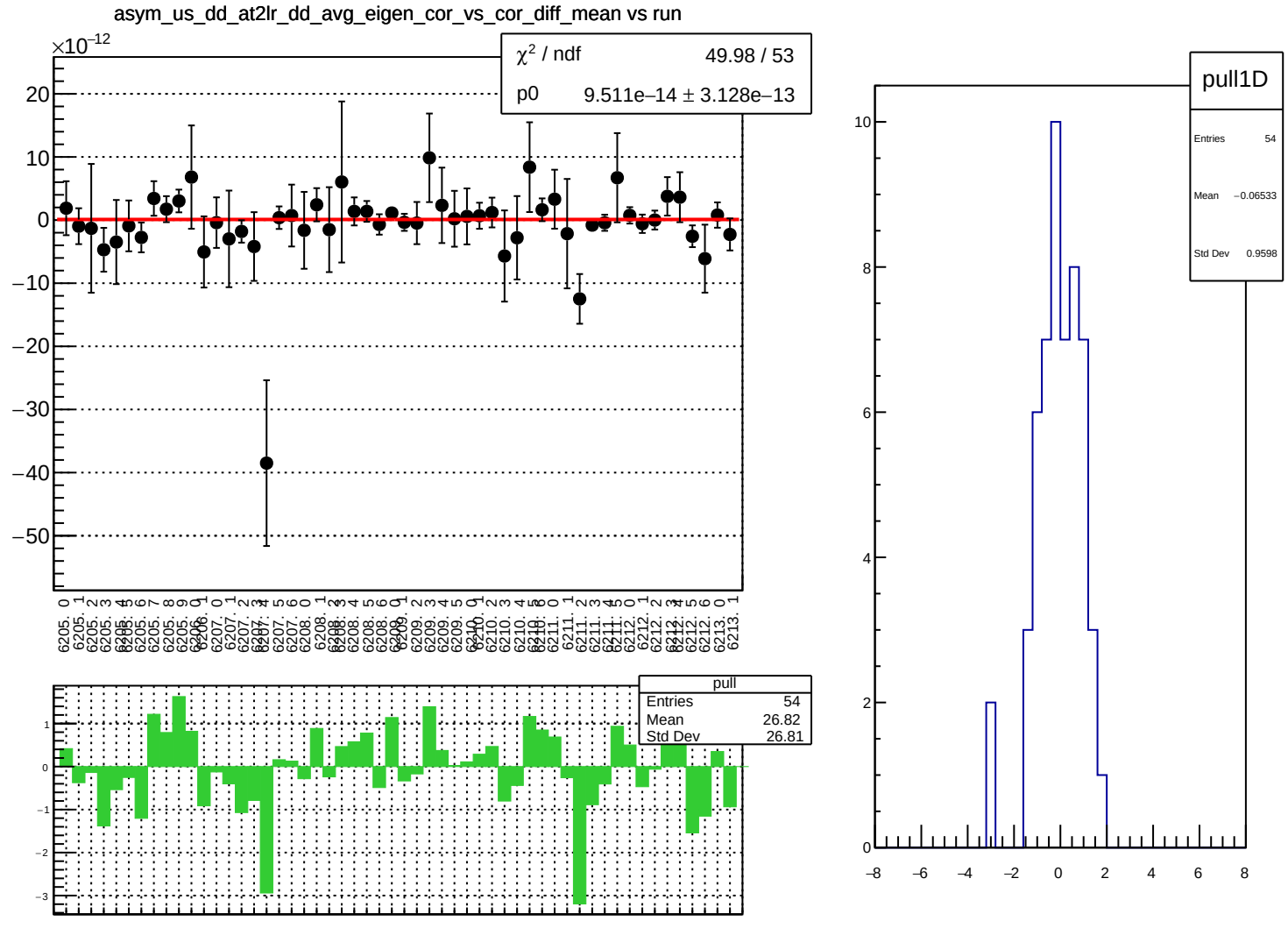
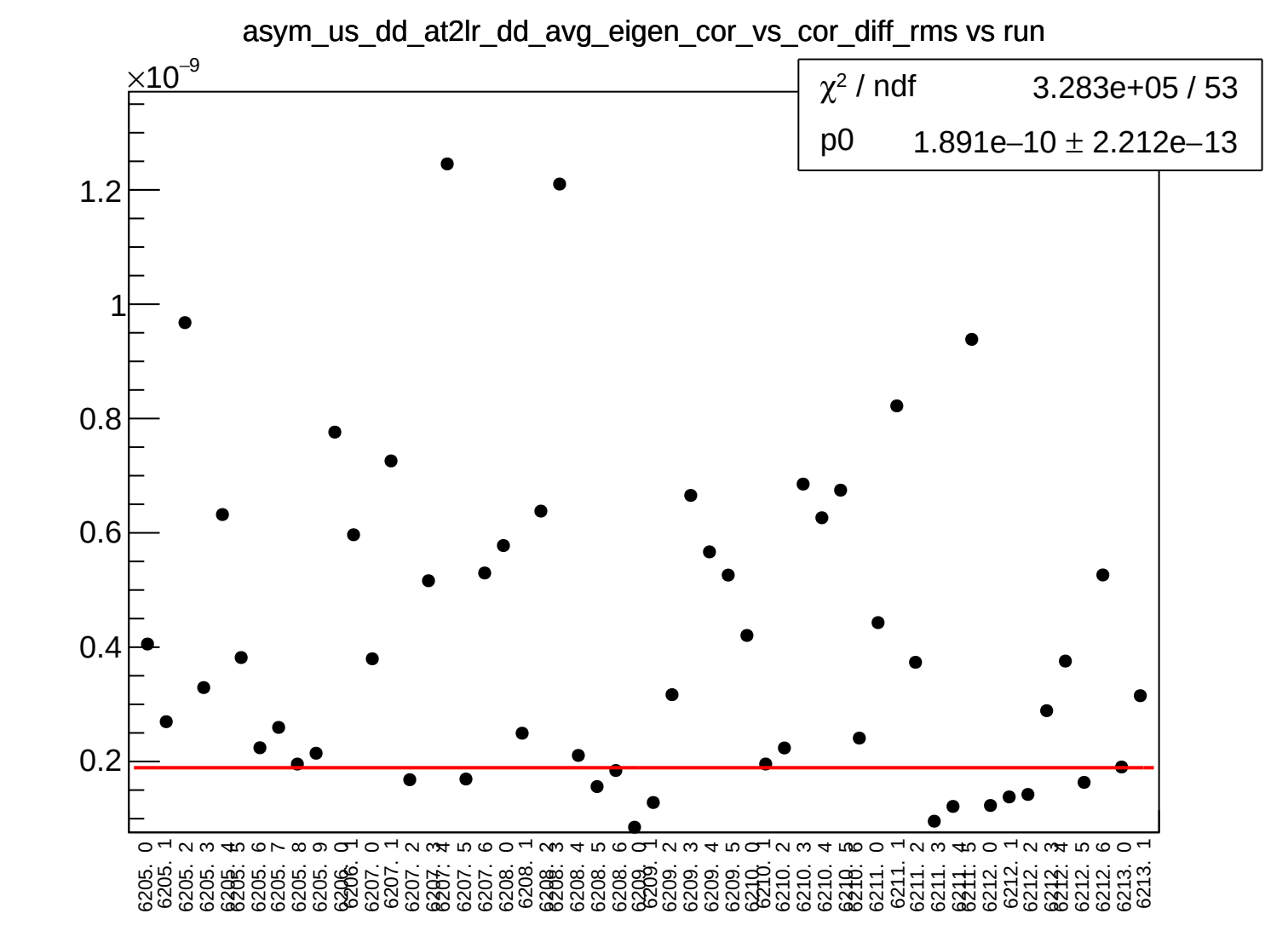
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 60.16 / 53
p0 0.1143 ± 0.1751
pull
Entries 54
Mean 343.9
Std Dev 0
pull1D
Entries 54
Mean −0.002122
Std Dev 1.056


asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.19e+04 / 53
p0 123 ± 0.1238
400
350
300
250
200
150
100
50
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_us_dd_at2lr_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 49.98 / 53
p0 9.511e−14 ± 3.128e−13
pull
Entries 54
Mean 26.82
Std Dev 26.81
pull1D
Entries 54
Mean −0.06533
Std Dev 0.9598


asym_us_dd_at2lr_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.283e+05 / 53
p0 1.891e−10 ± 2.212e−13
1.2
1
0.8
0.6
0.4
0.2
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
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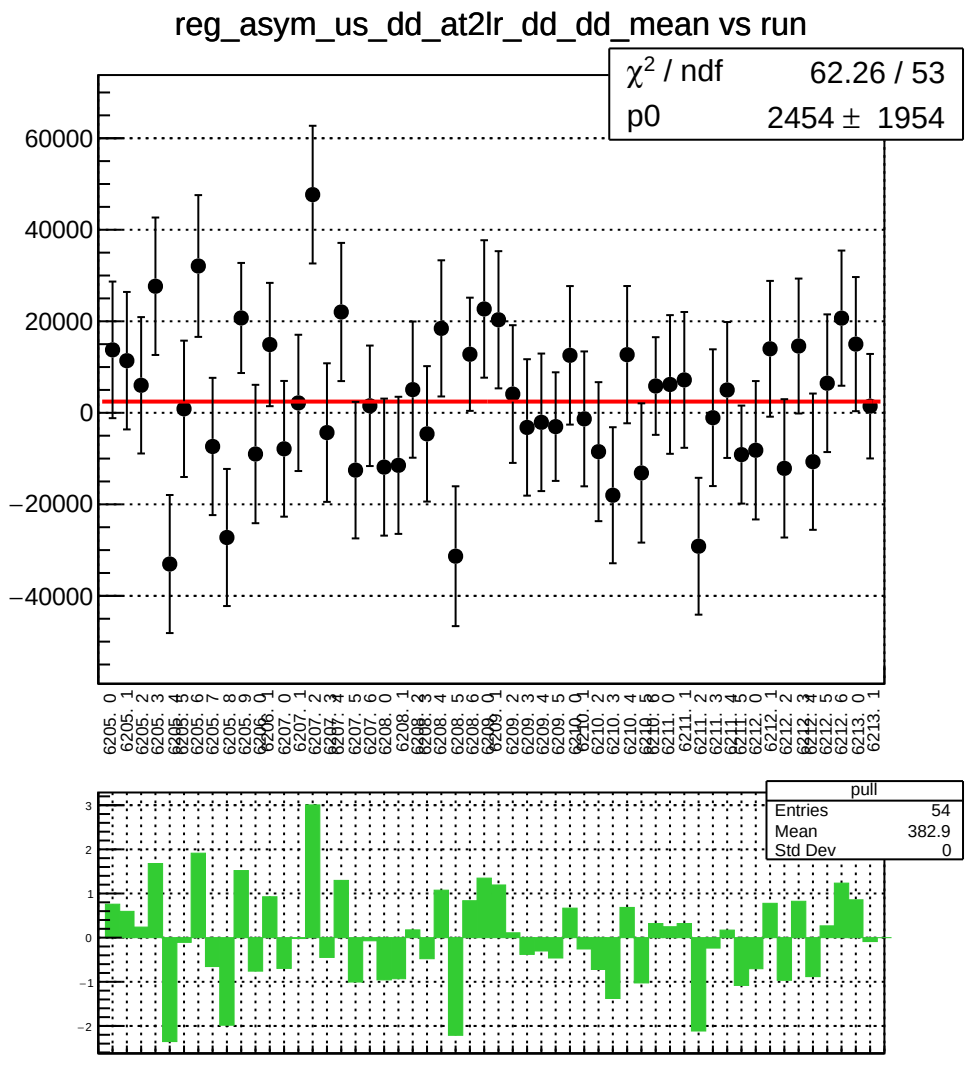
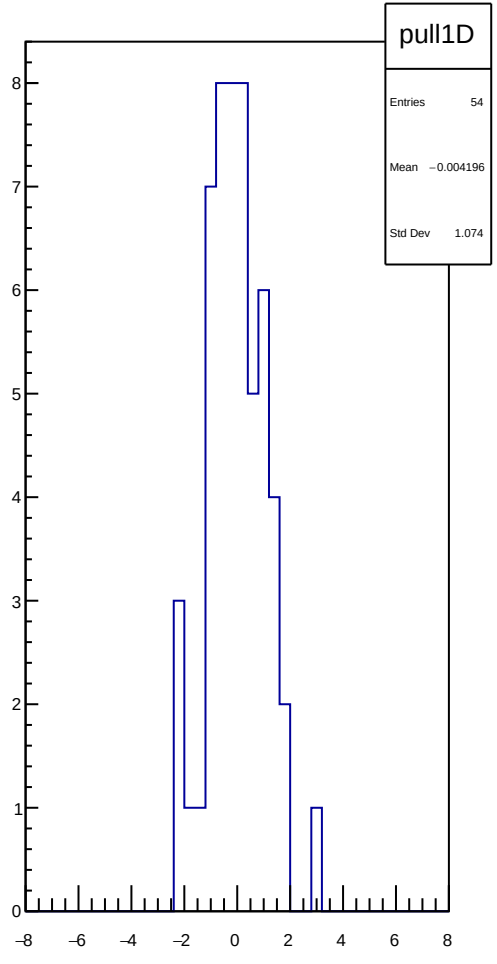
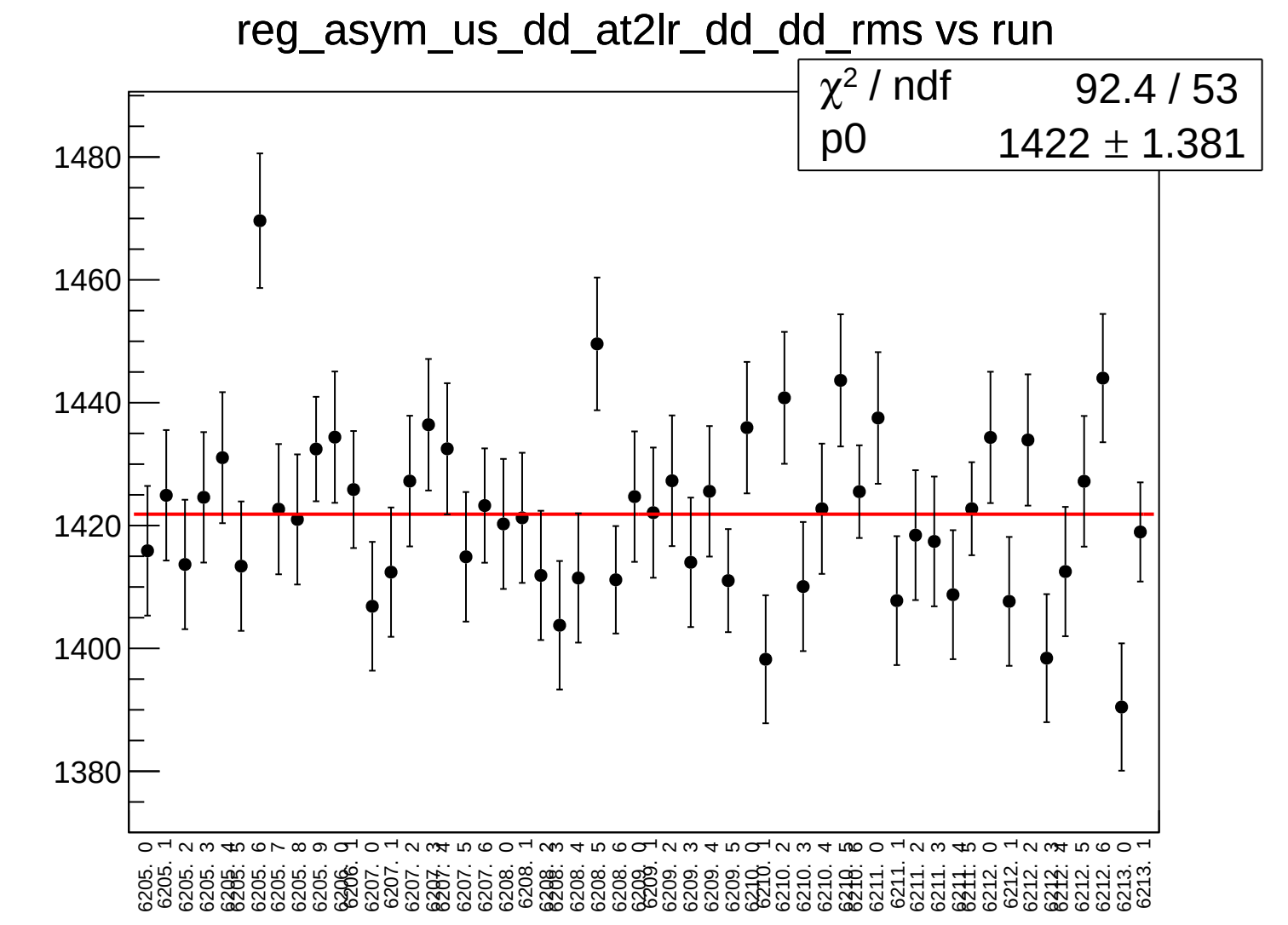
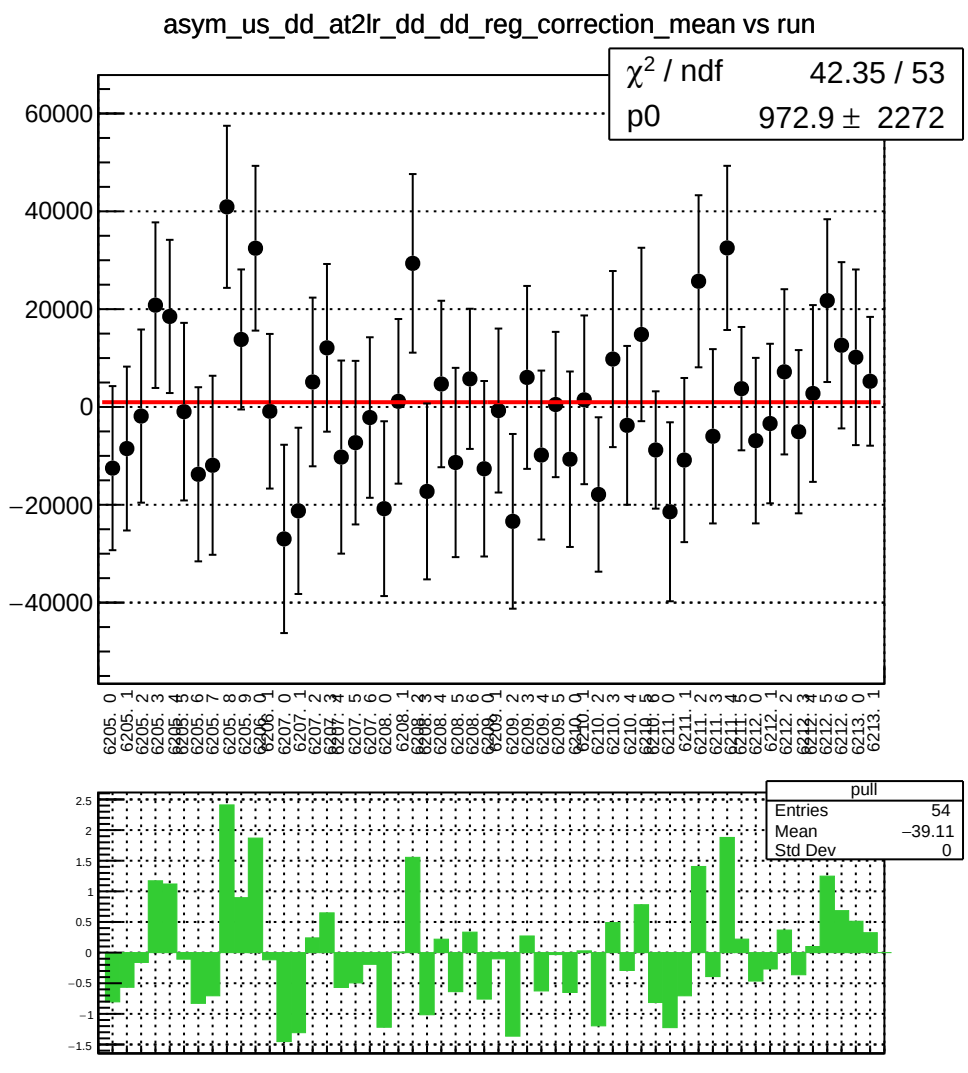
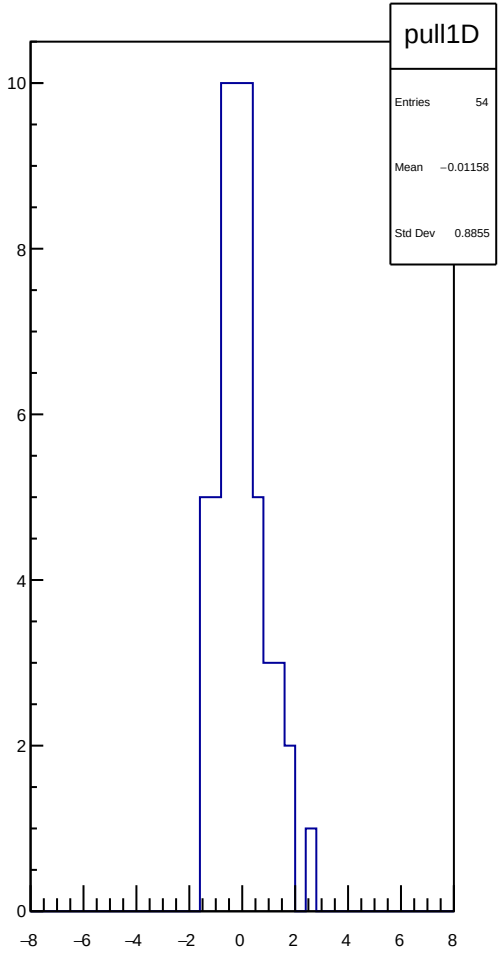
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

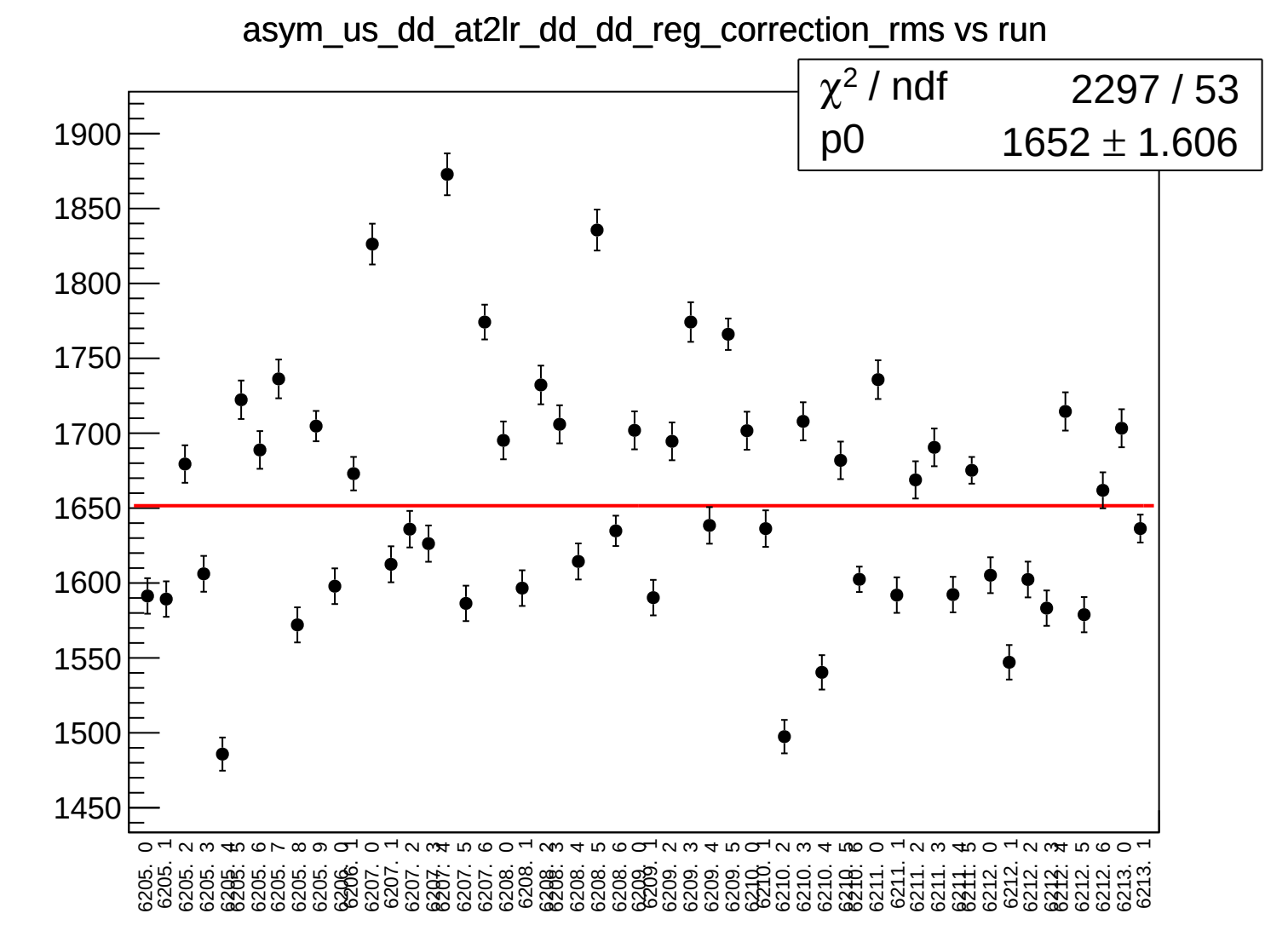

reg_asym_us_dd_at2lr_dd_dd_mean vs run
χ² / ndf 62.26 / 53
p0 2454 ± 1954
pull
Entries 54
Mean 382.9
Std Dev 0

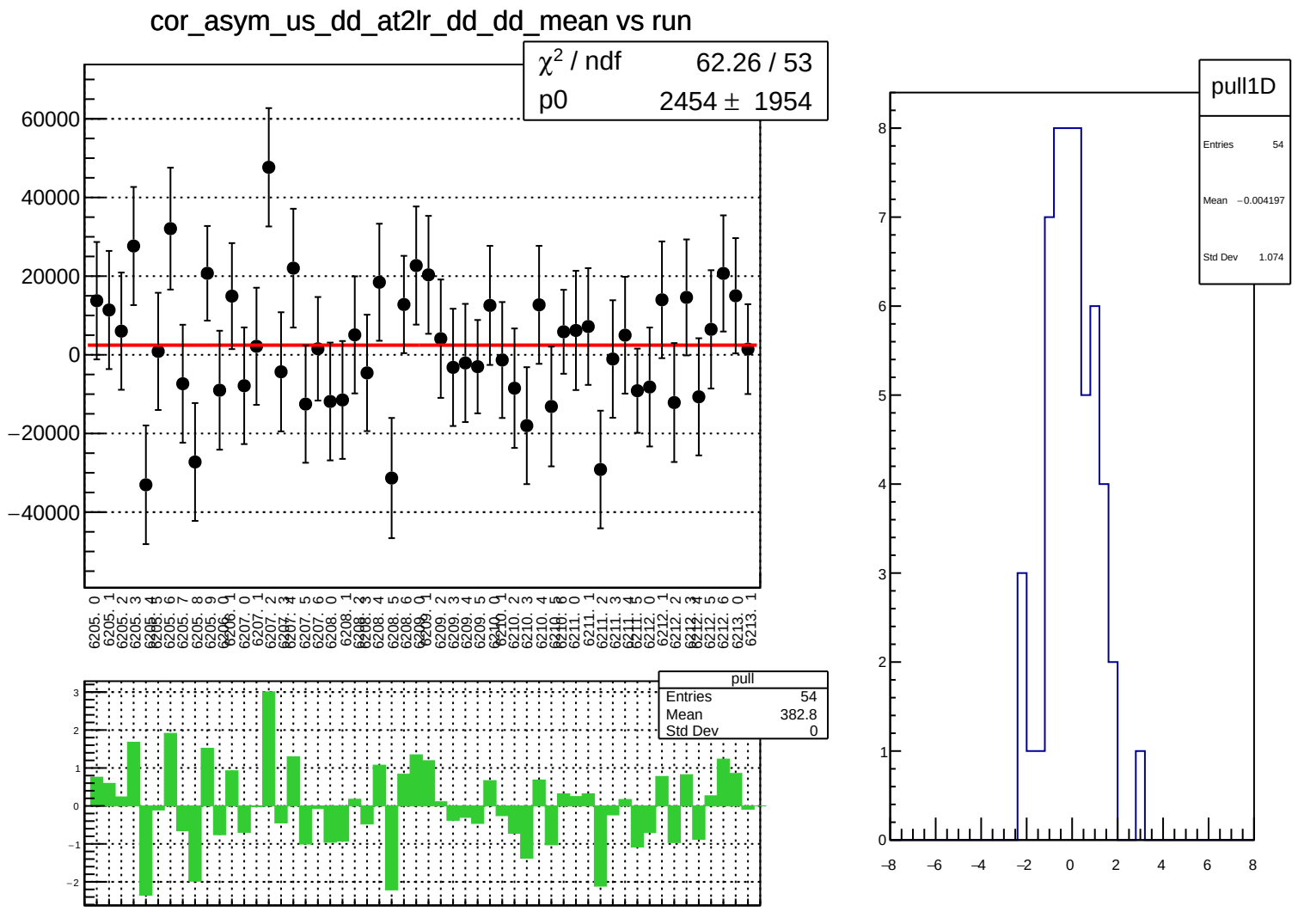

pull1D
Entries 54
Mean −0.004196
Std Dev 1.074

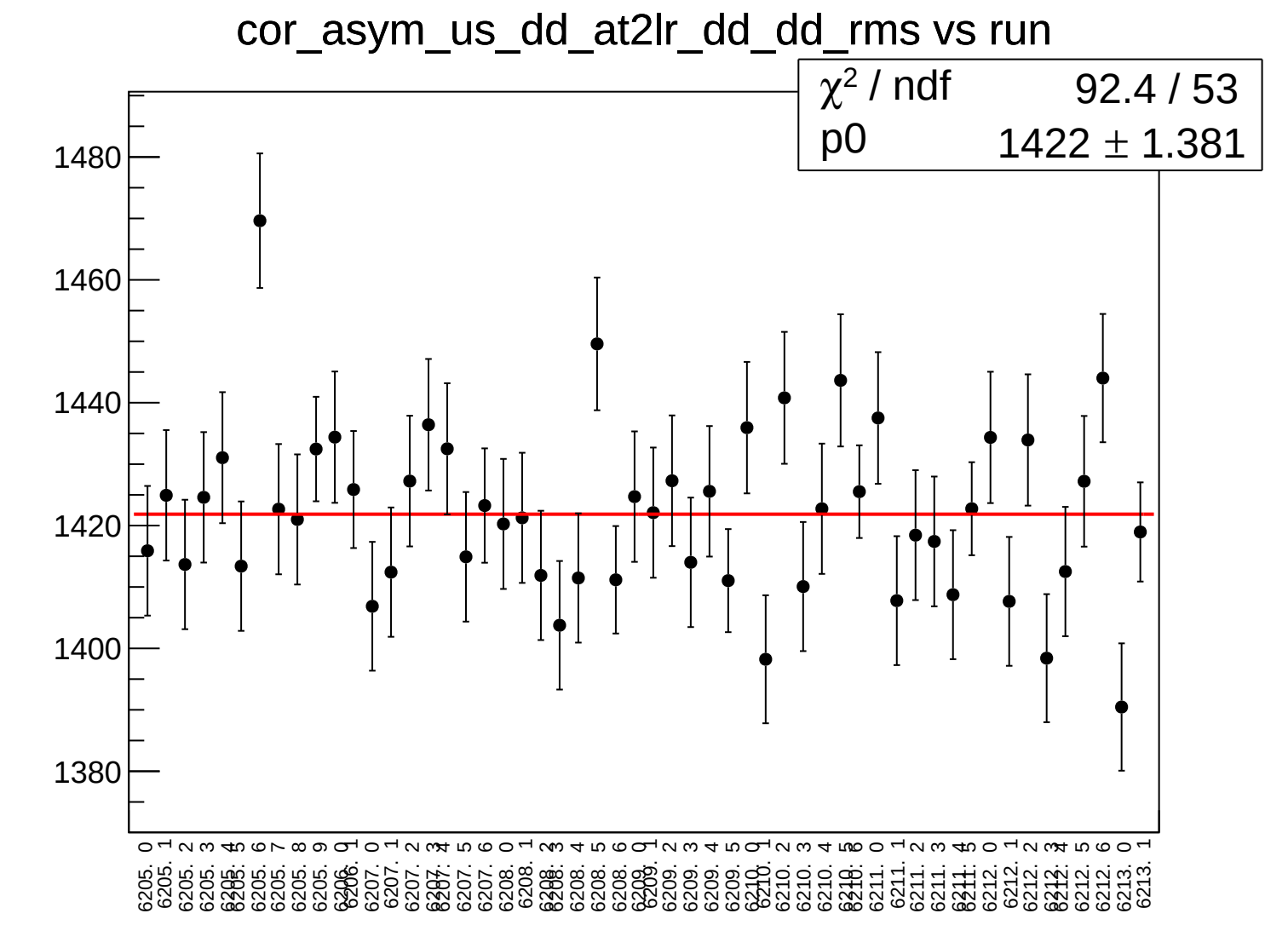

reg_asym_us_dd_at2lr_dd_dd_rms vs run
χ² / ndf 92.4 / 53
p0 1422 ± 1.381
1480
1460
1440
1420
1400
1380
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

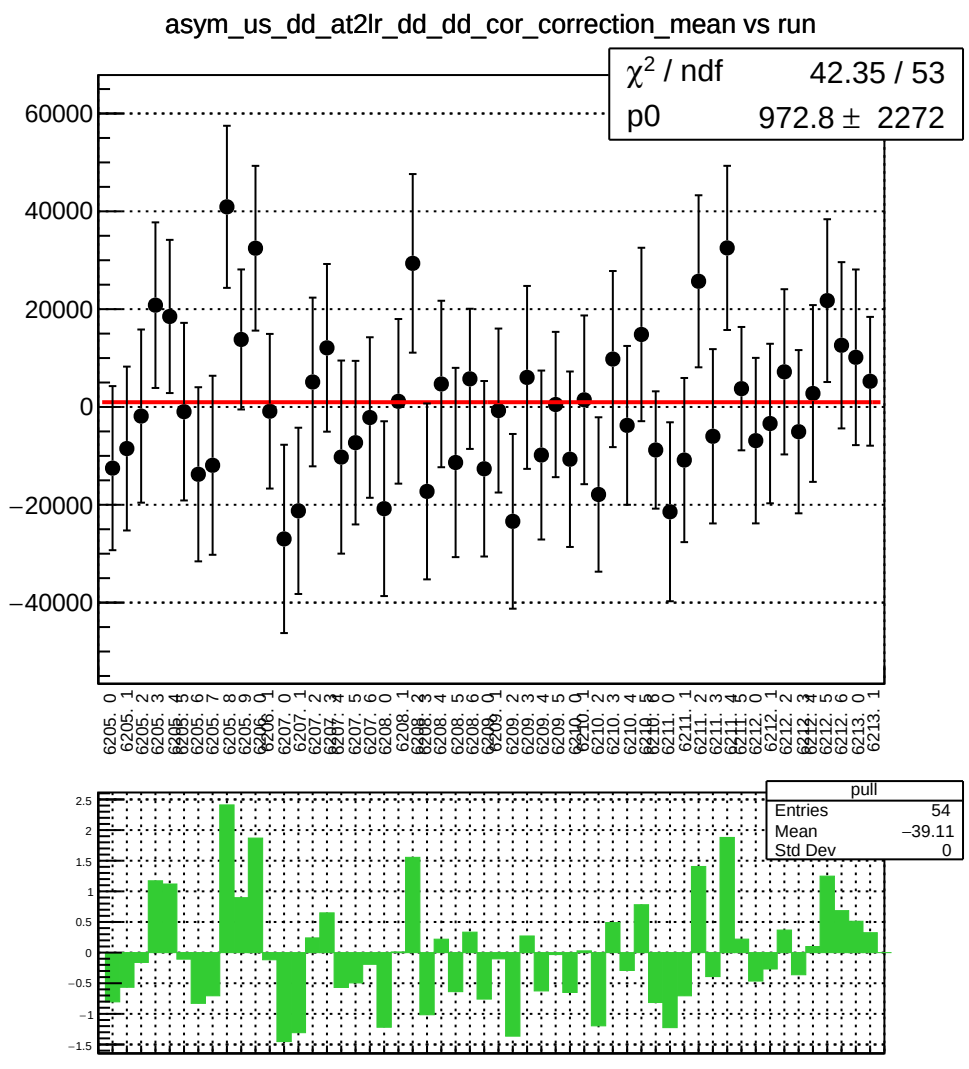

asym_us_dd_at2lr_dd_dd_reg_correction_mean vs run
χ² / ndf 42.35 / 53
p0 972.9 ± 2272
pull
Entries 54
Mean −39.11
Std Dev 0

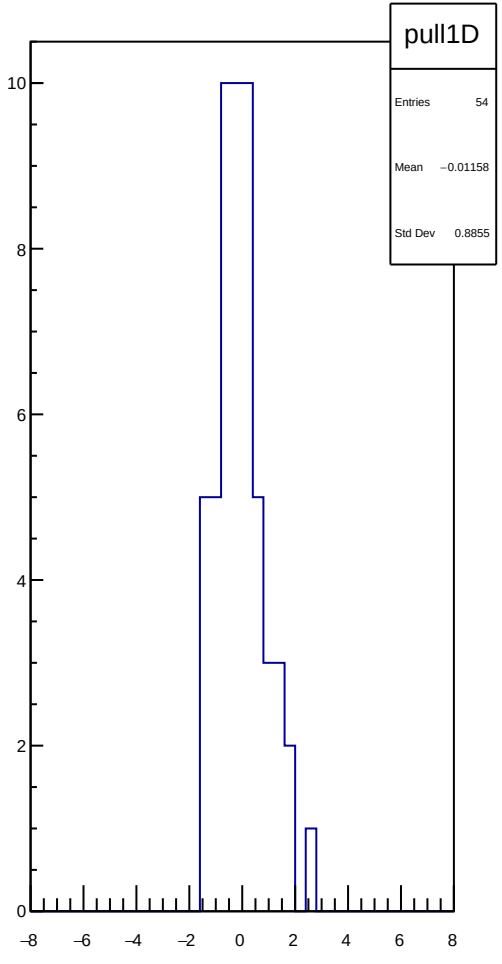

pull1D
Entries 54
Mean −0.01158
Std Dev 0.8855

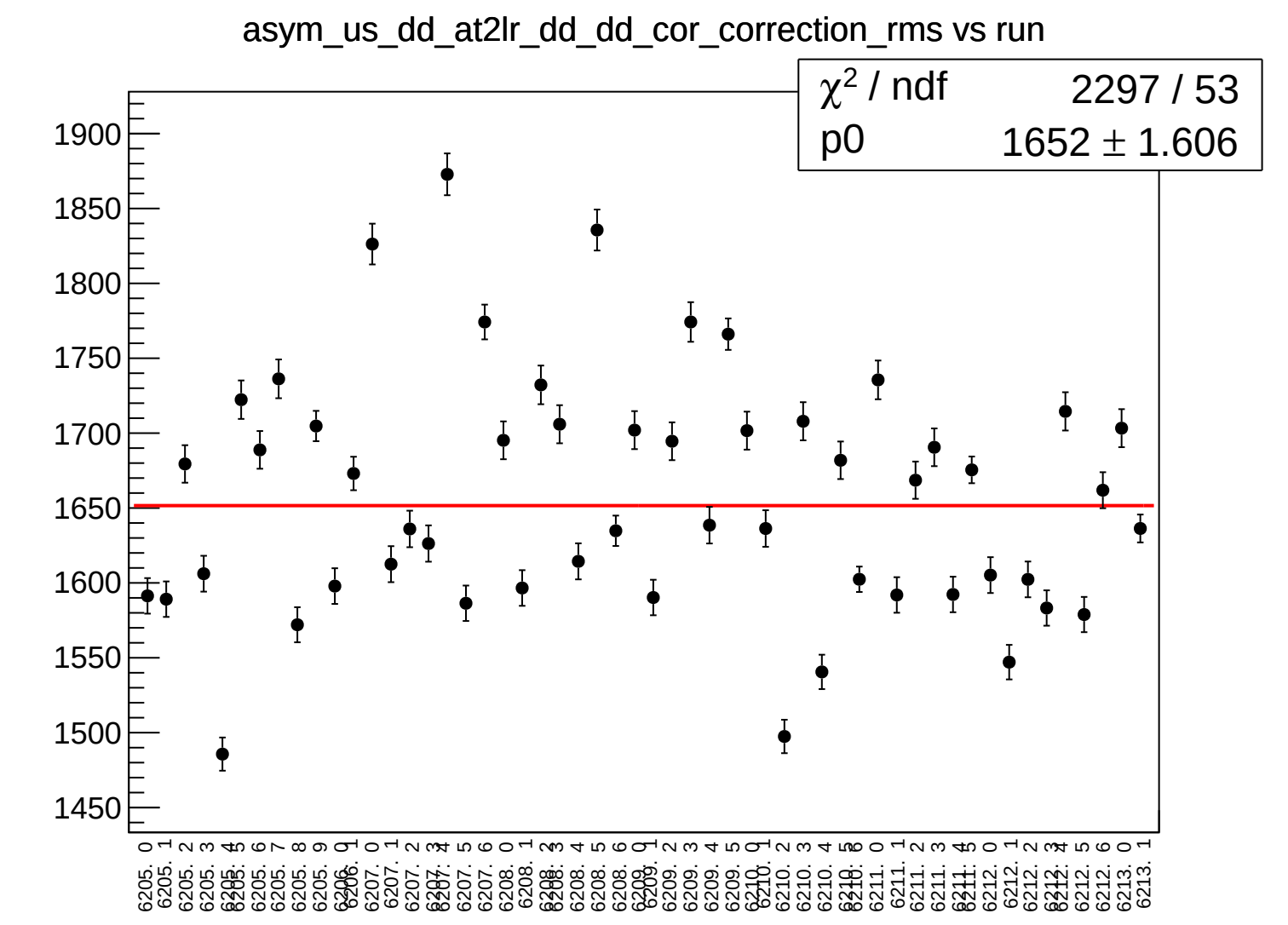

asym_us_dd_at2lr_dd_dd_reg_correction_rms vs run
χ² / ndf 2297 / 53
p0 1652 ± 1.606
1900
1850
1800
1750
1700
1650
1600
1550
1500
1450
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


cor_asym_us_dd_at2lr_dd_dd_mean vs run
χ² / ndf 62.26 / 53
p0 2454 ± 1954
pull
Entries 54
Mean 382.8
Std Dev 0
pull1D
Entries 54
Mean −0.004197
Std Dev 1.074


cor_asym_us_dd_at2lr_dd_dd_rms vs run
χ² / ndf 92.4 / 53
p0 1422 ± 1.381
1480
1460
1440
1420
1400
1380
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1


asym_us_dd_at2lr_dd_dd_cor_correction_mean vs run
χ² / ndf 42.35 / 53
p0 972.8 ± 2272
pull
Entries 54
Mean −39.11
Std Dev 0


pull1D
Entries 54
Mean −0.01158
Std Dev 0.8855


asym_us_dd_at2lr_dd_dd_cor_correction_rms vs run
χ² / ndf 2297 / 53
p0 1652 ± 1.606
1900
1850
1800
1750
1700
1650
1600
1550
1500
1450
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
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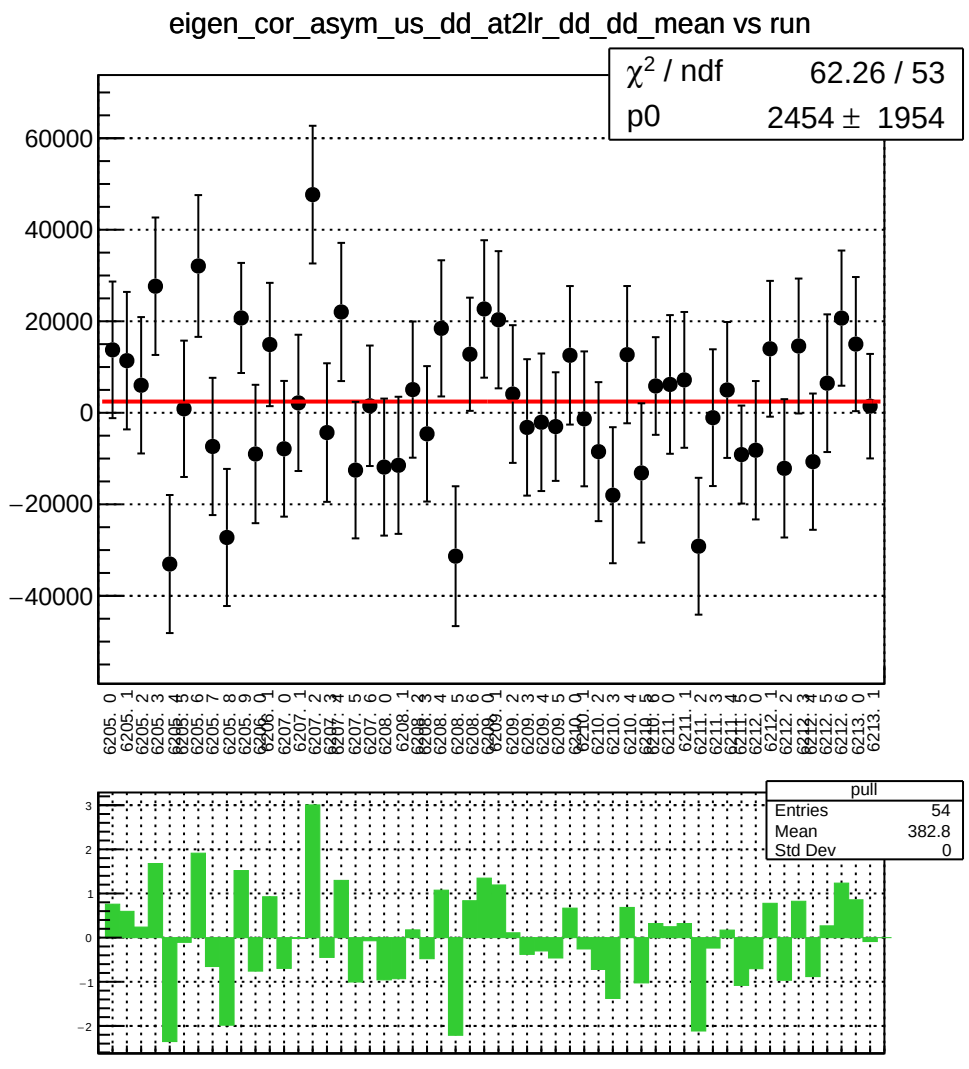
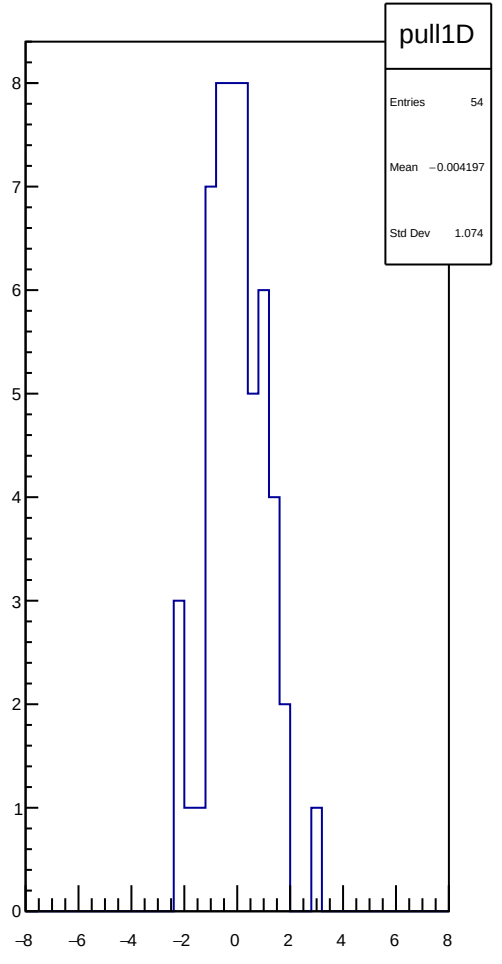
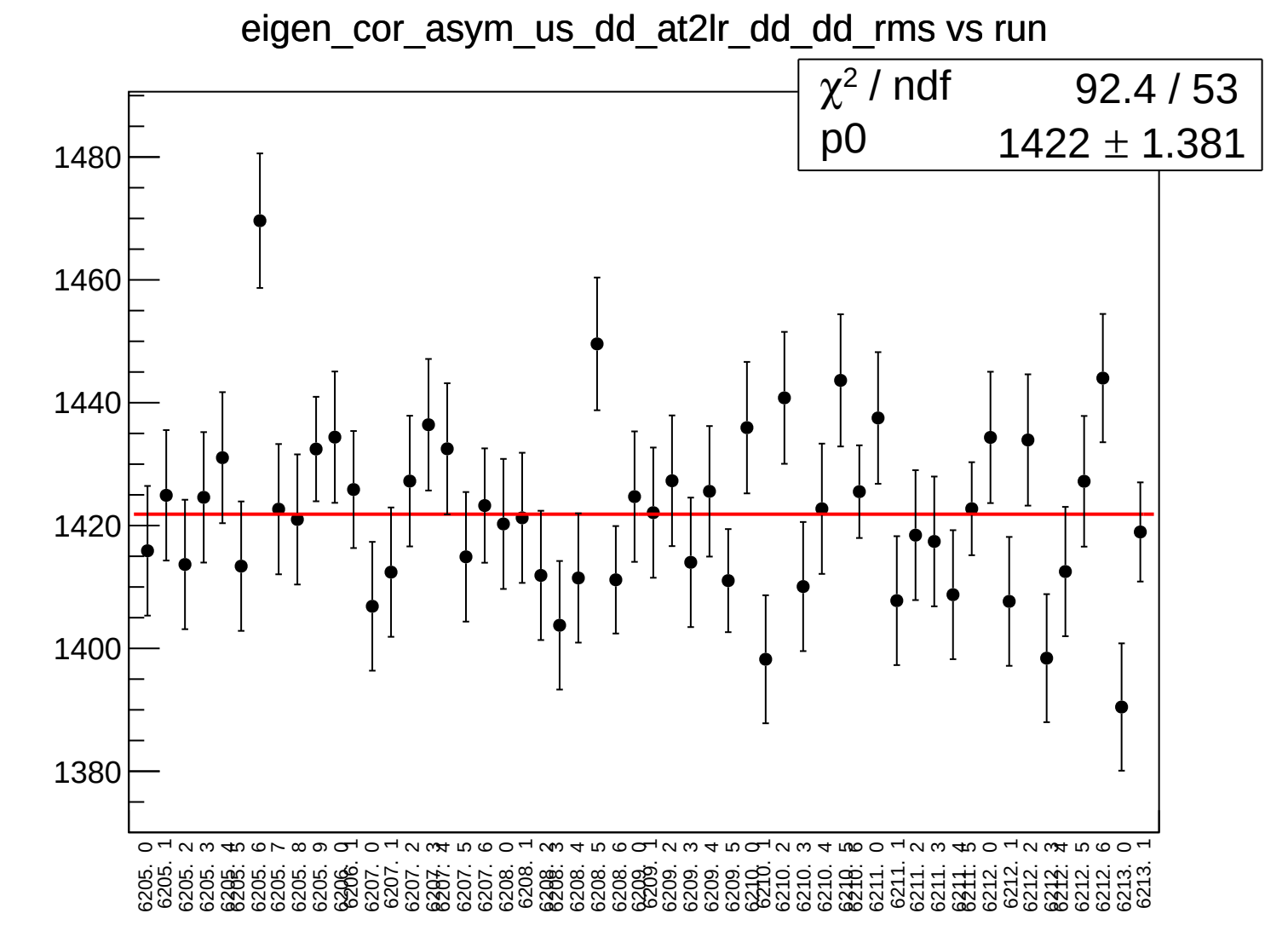
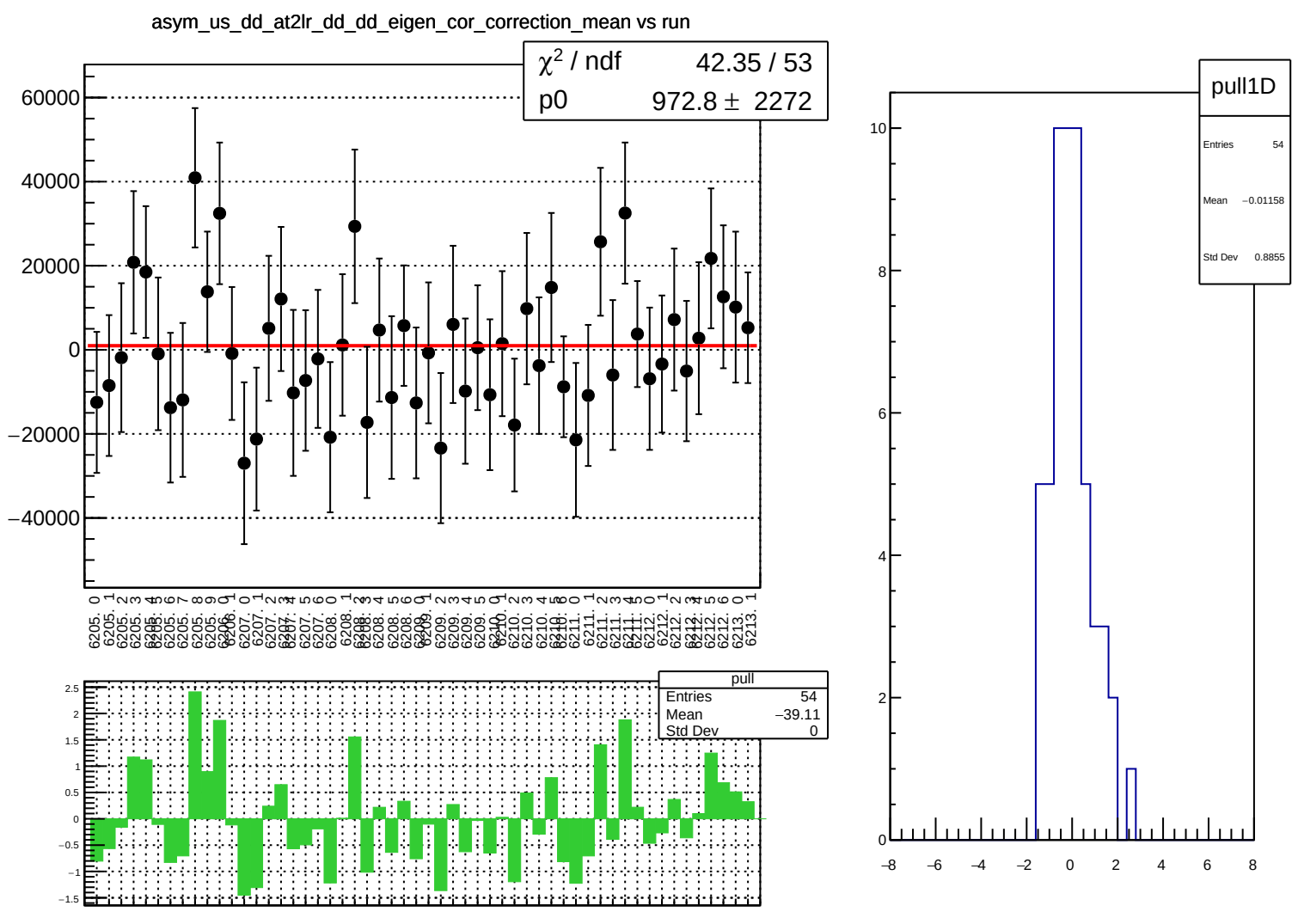
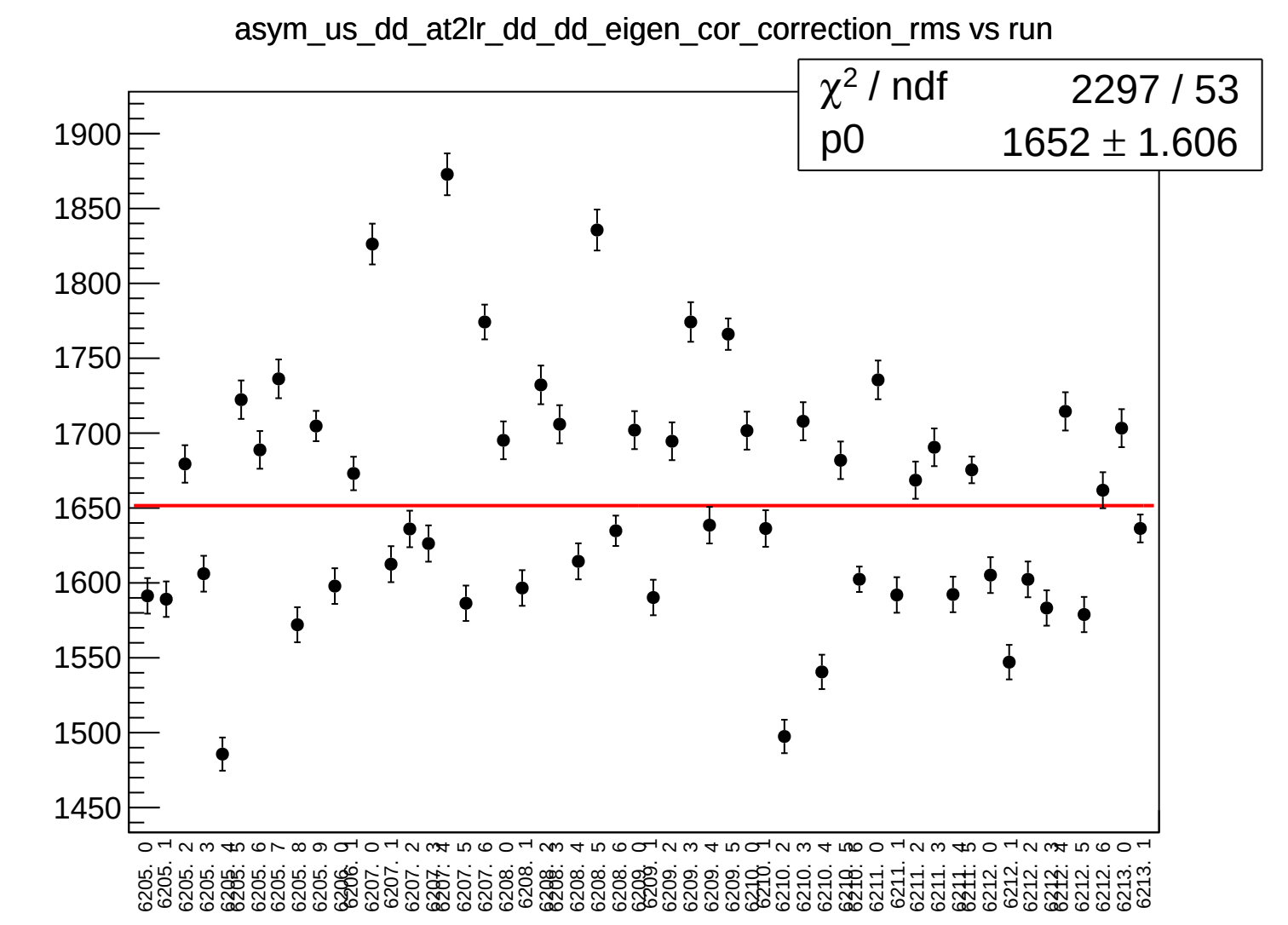
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

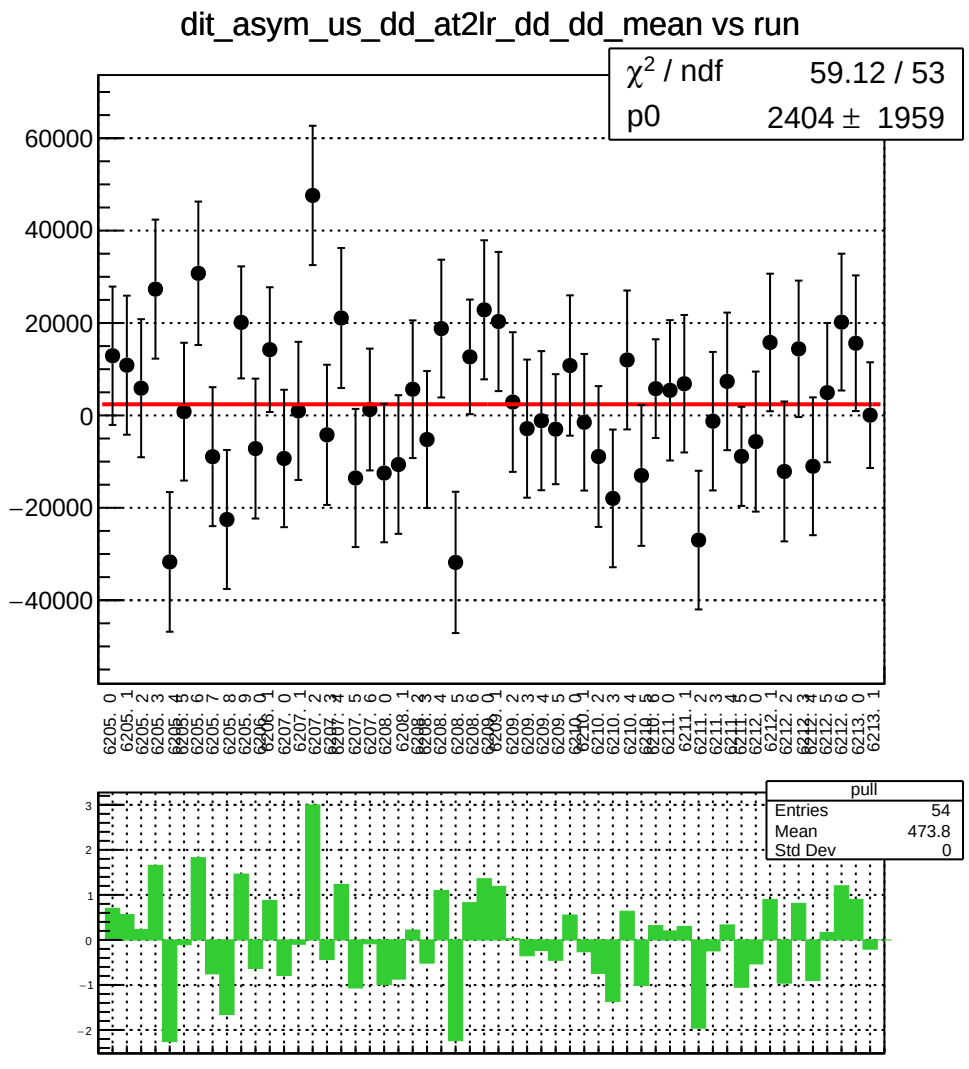

eigen_cor_asym_us_dd_at2lr_dd_dd_mean vs run
χ² / ndf 62.26 / 53
p0 2454 ± 1954
60000
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 382.8
Std Dev 0
3
2
1
0
−1
−2

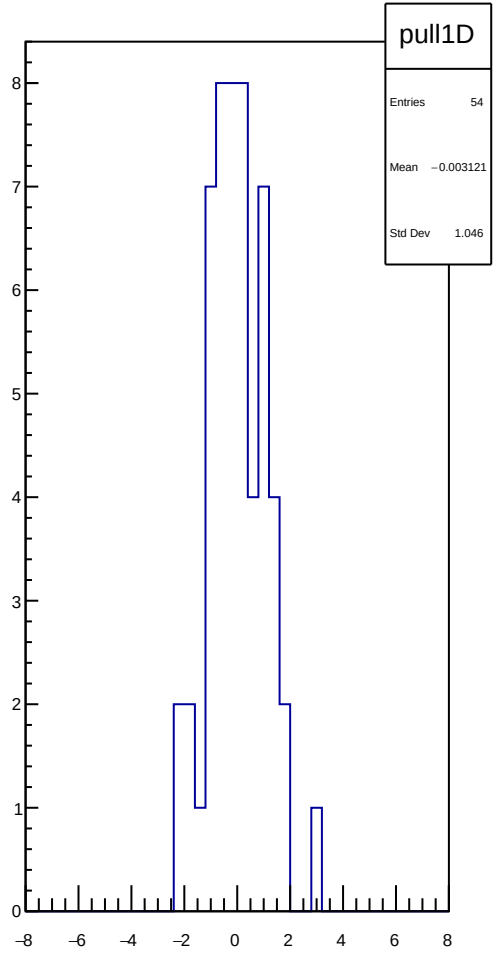

pull1D
Entries 54
Mean −0.004197
Std Dev 1.074
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

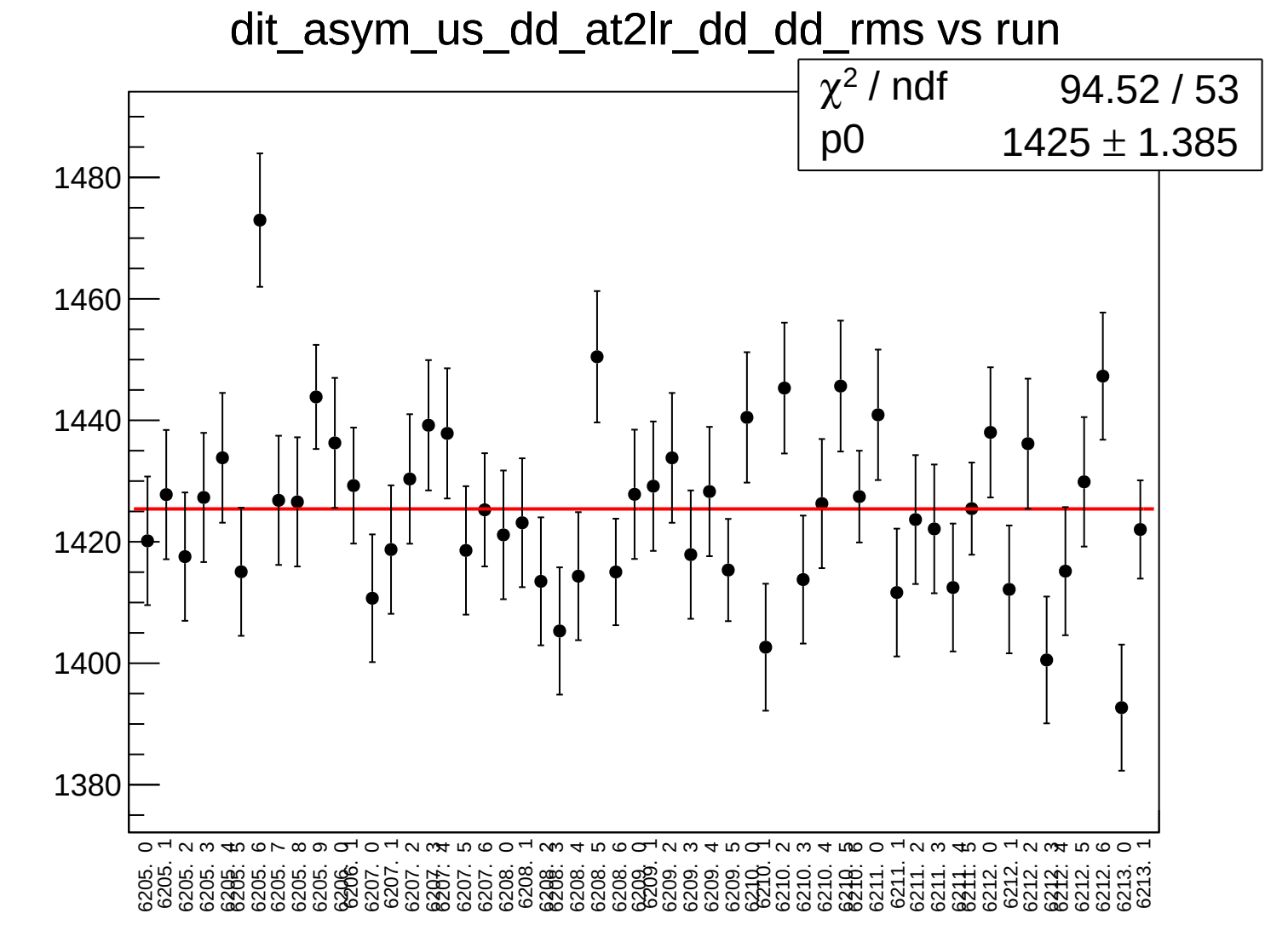

eigen_cor_asym_us_dd_at2lr_dd_dd_rms vs run
χ² / ndf 92.4 / 53
p0 1422 ± 1.381
1480
1460
1440
1420
1400
1380
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

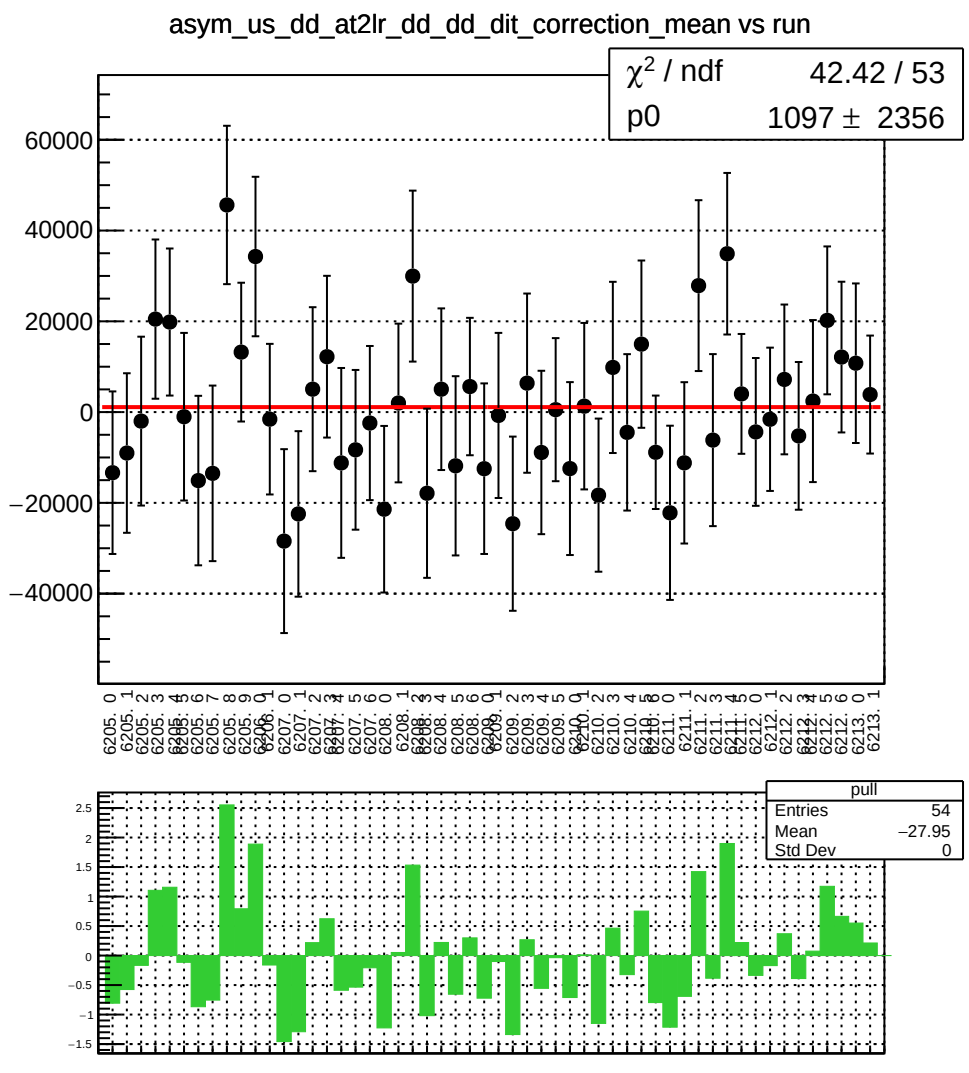

asym_us_dd_at2lr_dd_dd_eigen_cor_correction_mean vs run
χ² / ndf 42.35 / 53
p0 972.8 ± 2272
60000
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −39.11
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 54
Mean −0.01158
Std Dev 0.8855
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

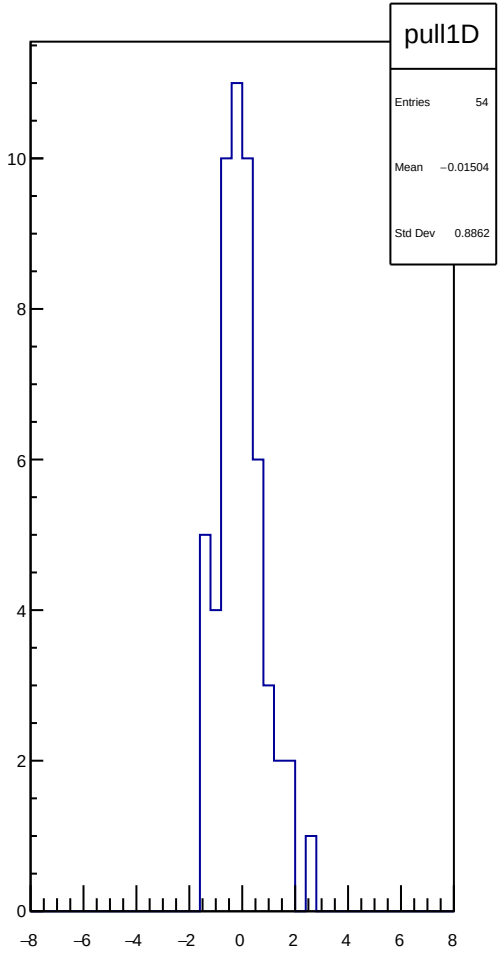

asym_us_dd_at2lr_dd_dd_eigen_cor_correction_rms vs run
χ² / ndf 2297 / 53
p0 1652 ± 1.606
1900
1850
1800
1750
1700
1650
1600
1550
1500
1450
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

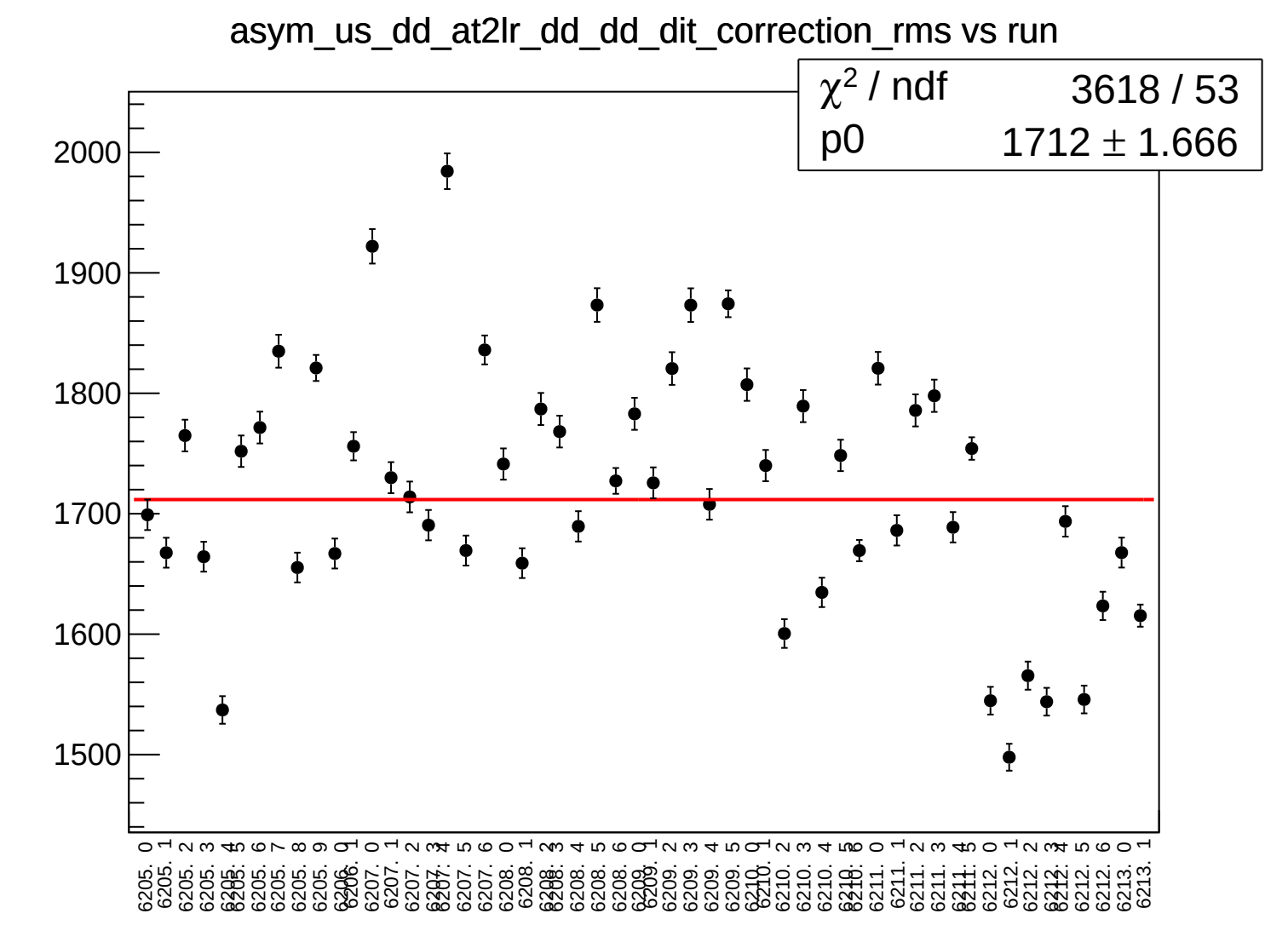

dit_asym_us_dd_at2lr_dd_dd_mean vs run
χ² / ndf 59.12 / 53
p0 2404 ± 1959
60000
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 473.8
Std Dev 0
3
2
1
0
−1
−2

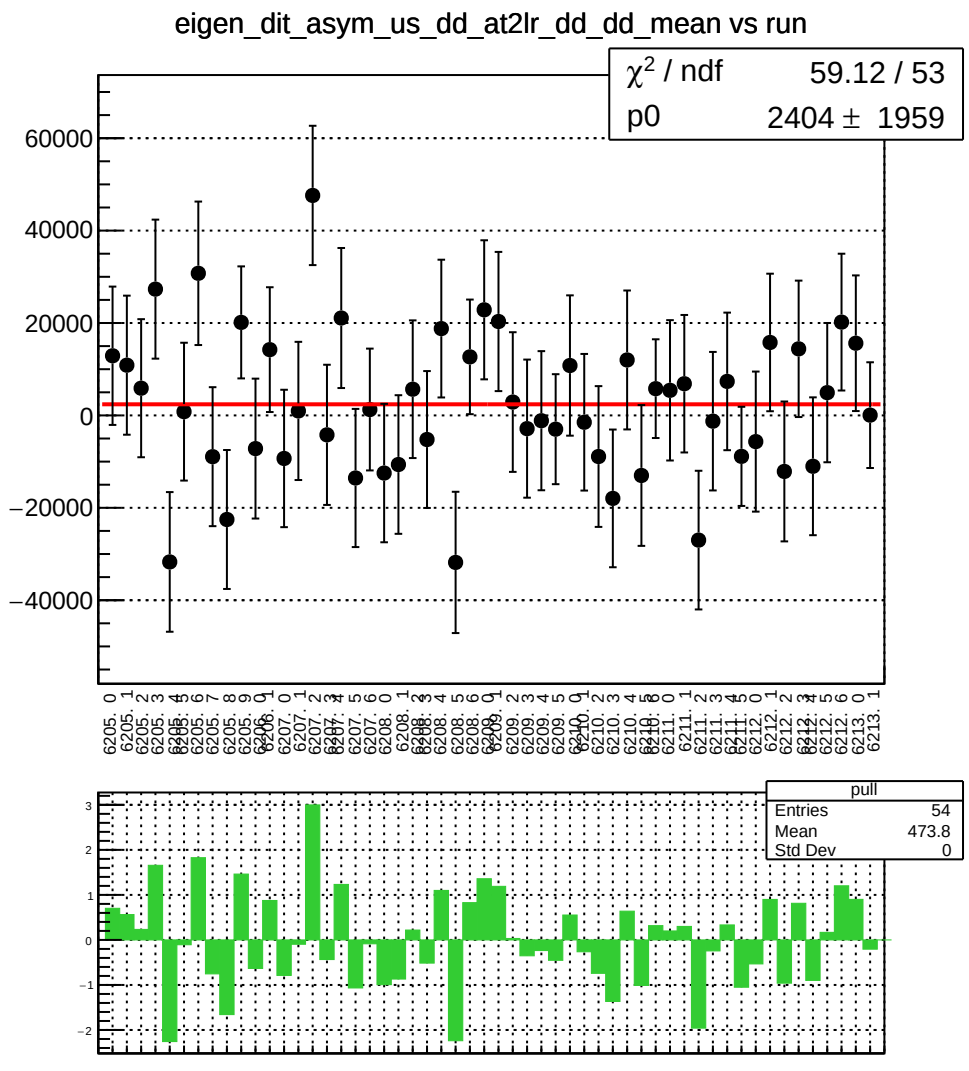

pull1D
Entries 54
Mean −0.003121
Std Dev 1.046
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

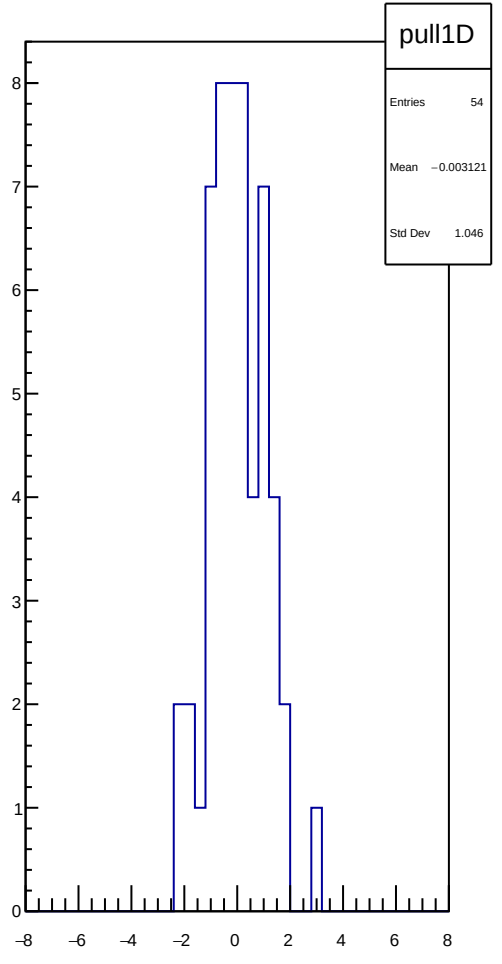

dit_asym_us_dd_at2lr_dd_dd_rms vs run
χ² / ndf 94.52 / 53
p0 1425 ± 1.385
1480
1460
1440
1420
1400
1380
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

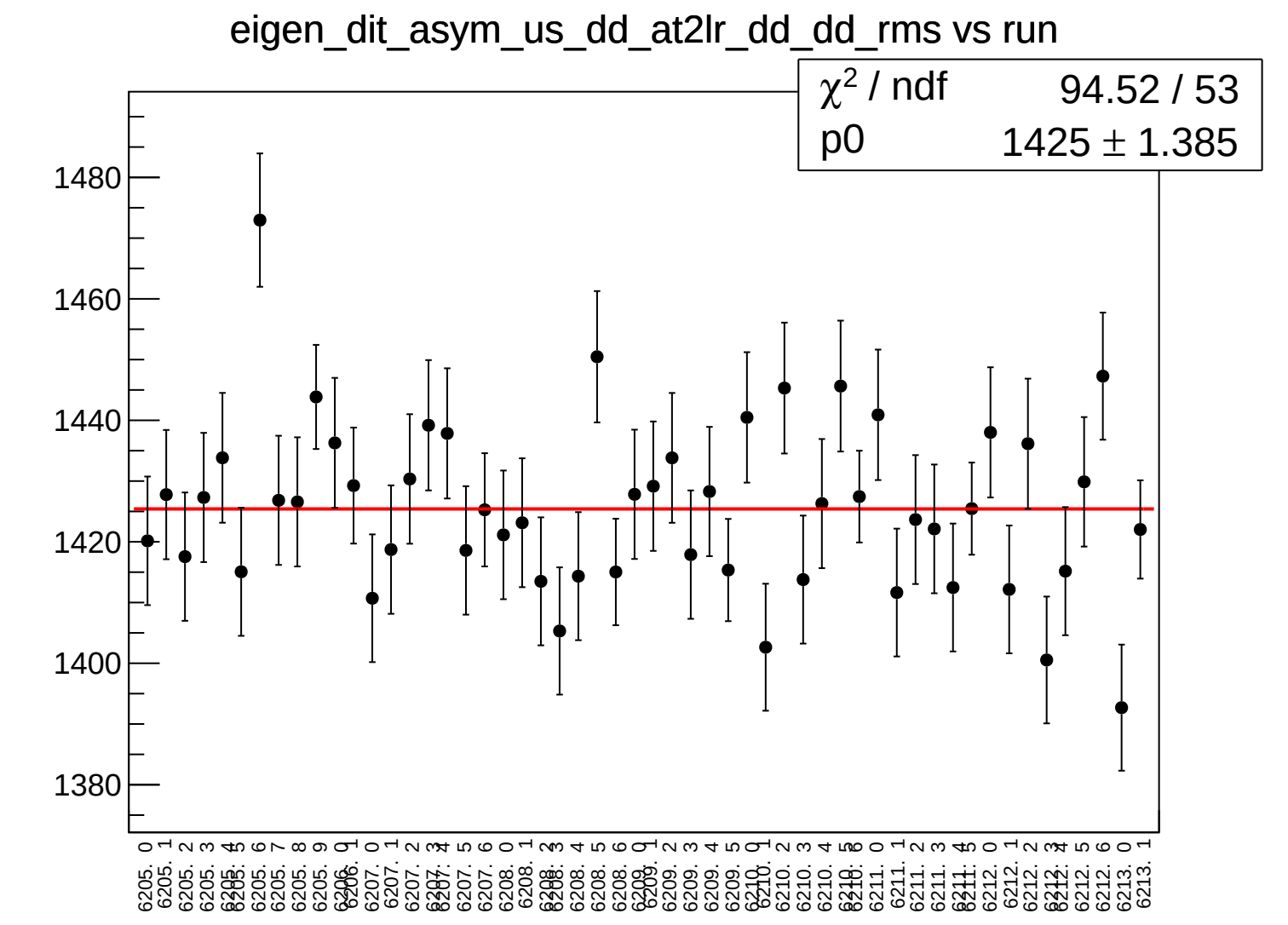

asym_us_dd_at2lr_dd_dd_dit_correction_mean vs run
χ² / ndf 42.42 / 53
p0 1097 ± 2356
60000
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −27.95
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

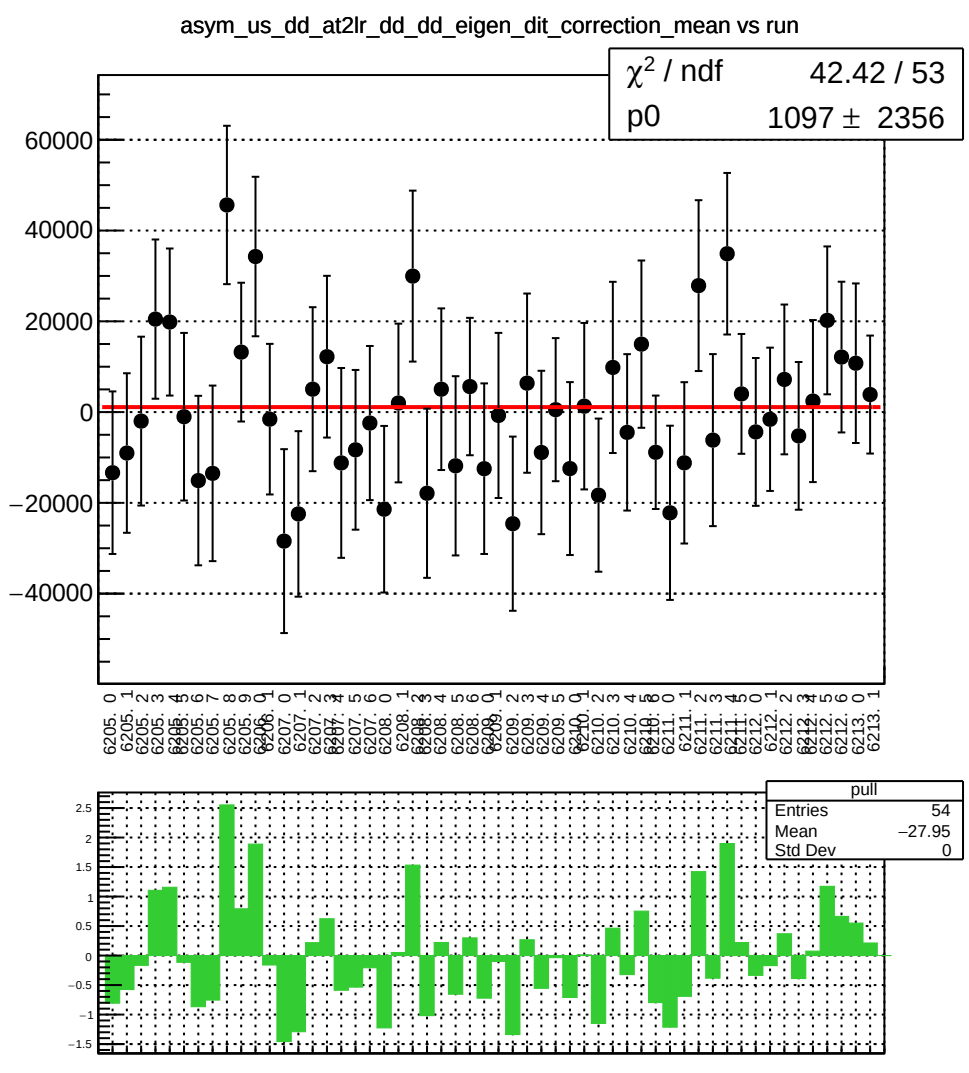

pull1D
Entries 54
Mean −0.01504
Std Dev 0.8862
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

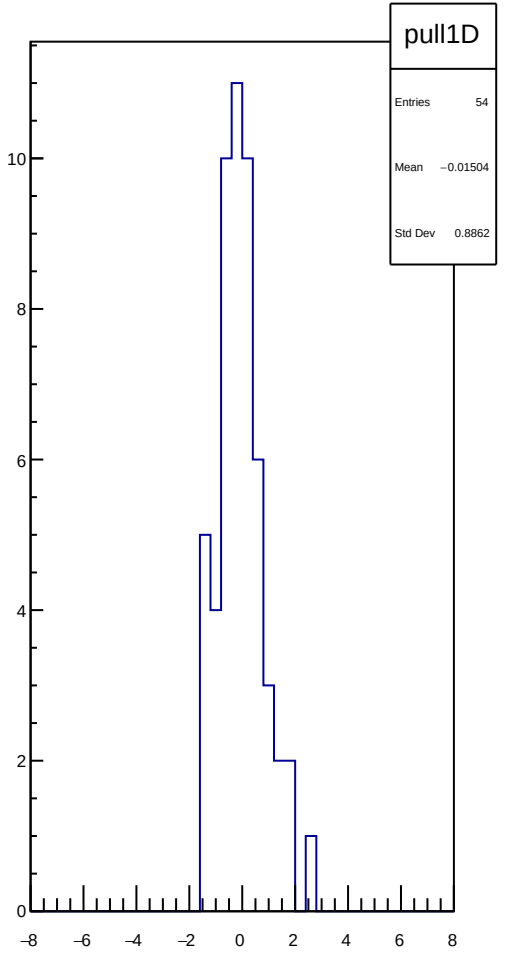

asym_us_dd_at2lr_dd_dd_dit_correction_rms vs run
χ² / ndf 3618 / 53
p0 1712 ± 1.666
2000
1900
1800
1700
1600
1500
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

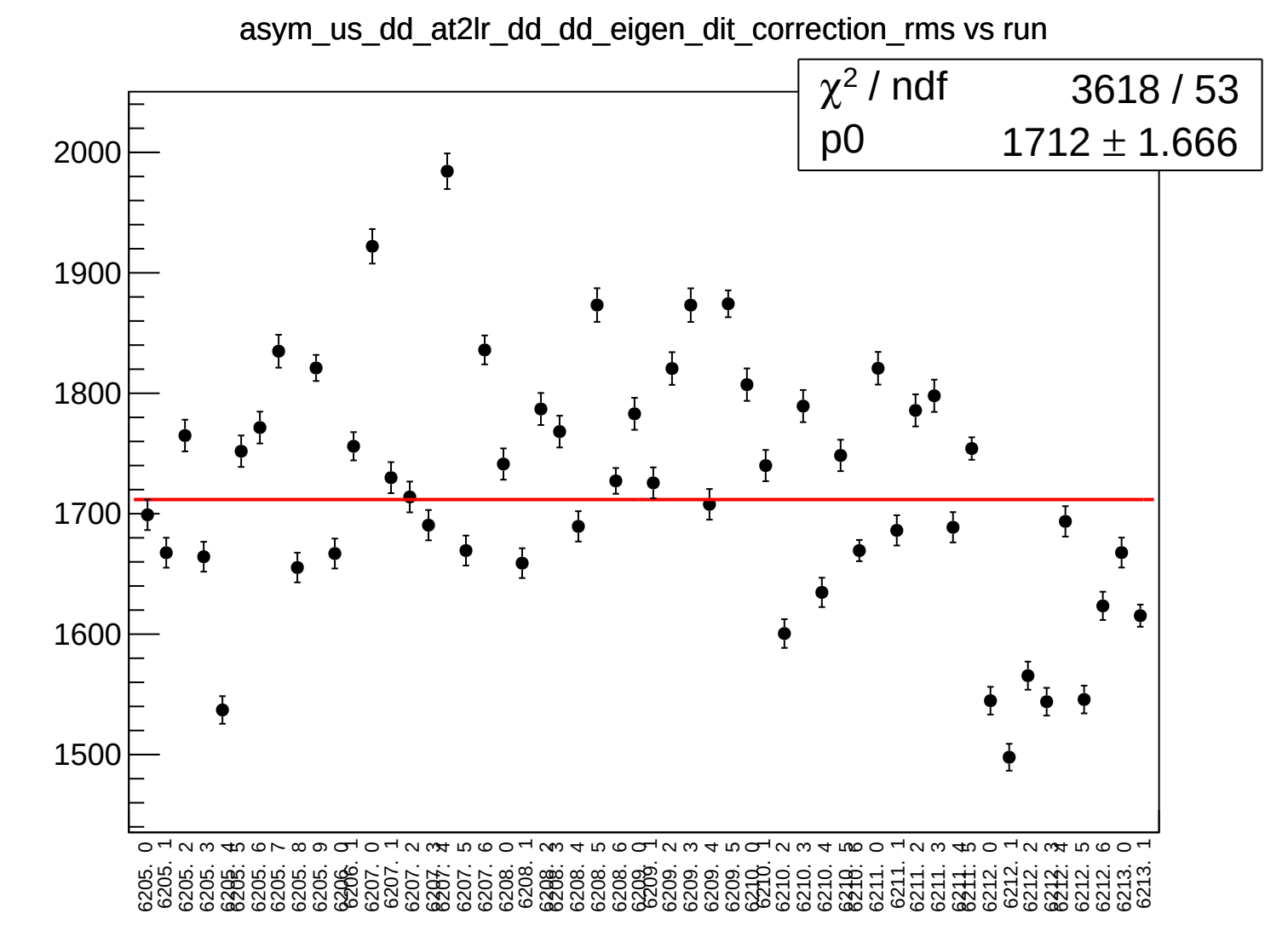

eigen_dit_asym_us_dd_at2lr_dd_dd_mean vs run
χ² / ndf 59.12 / 53
p0 2404 ± 1959
60000
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 473.8
Std Dev 0
3
2
1
0
−1
−2

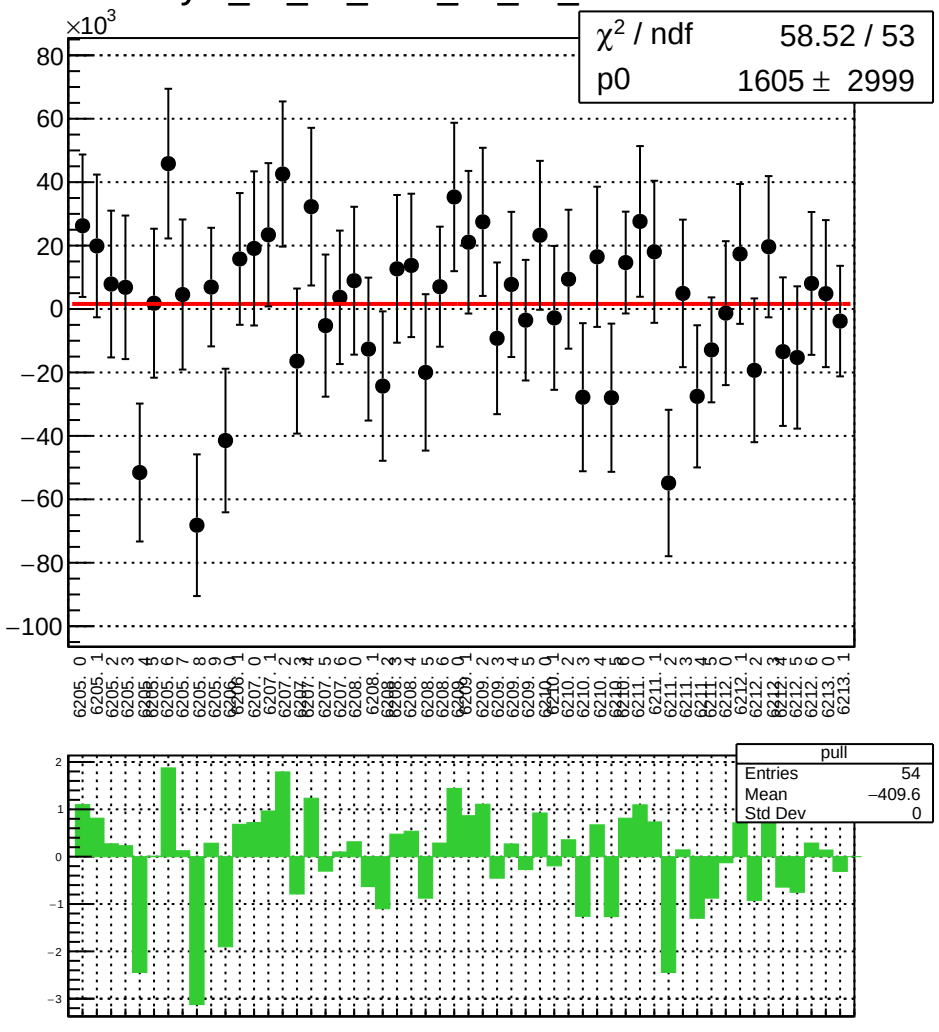

pull1D
Entries 54
Mean −0.003121
Std Dev 1.046
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

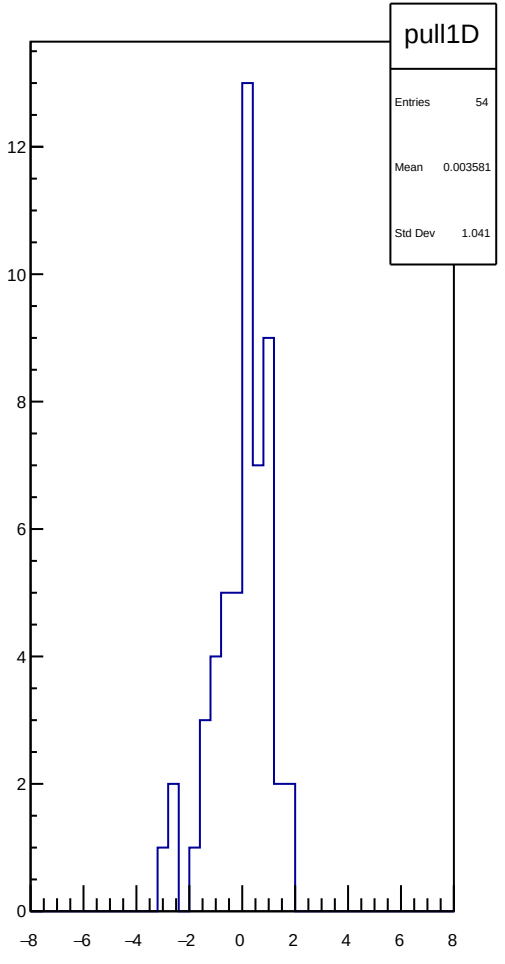

eigen_dit_asym_us_dd_at2lr_dd_dd_rms vs run
χ² / ndf 94.52 / 53
p0 1425 ± 1.385
1480
1460
1440
1420
1400
1380
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

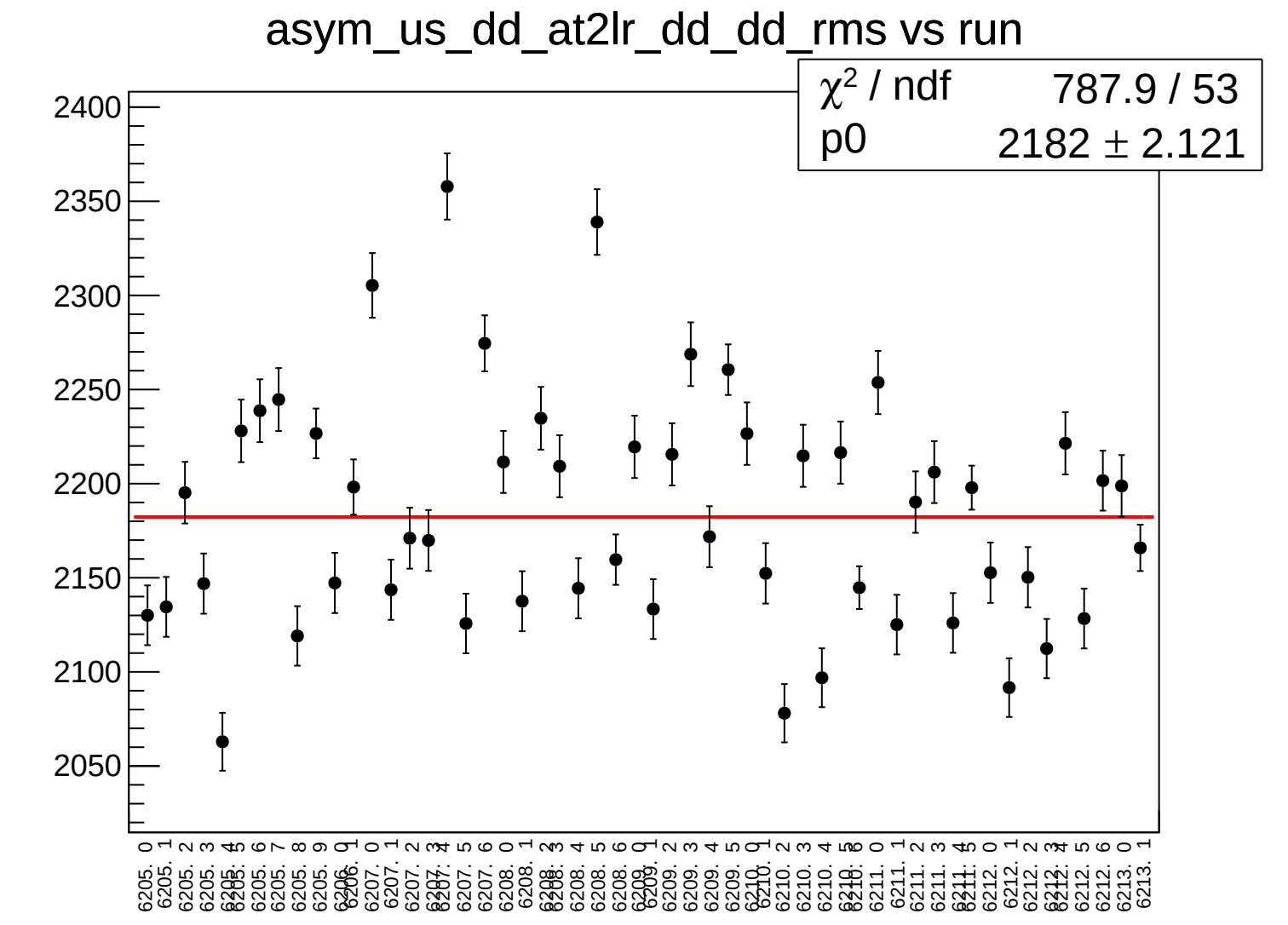

asym_us_dd_at2lr_dd_dd_eigen_dit_correction_mean vs run
χ² / ndf 42.42 / 53
p0 1097 ± 2356
60000
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −27.95
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

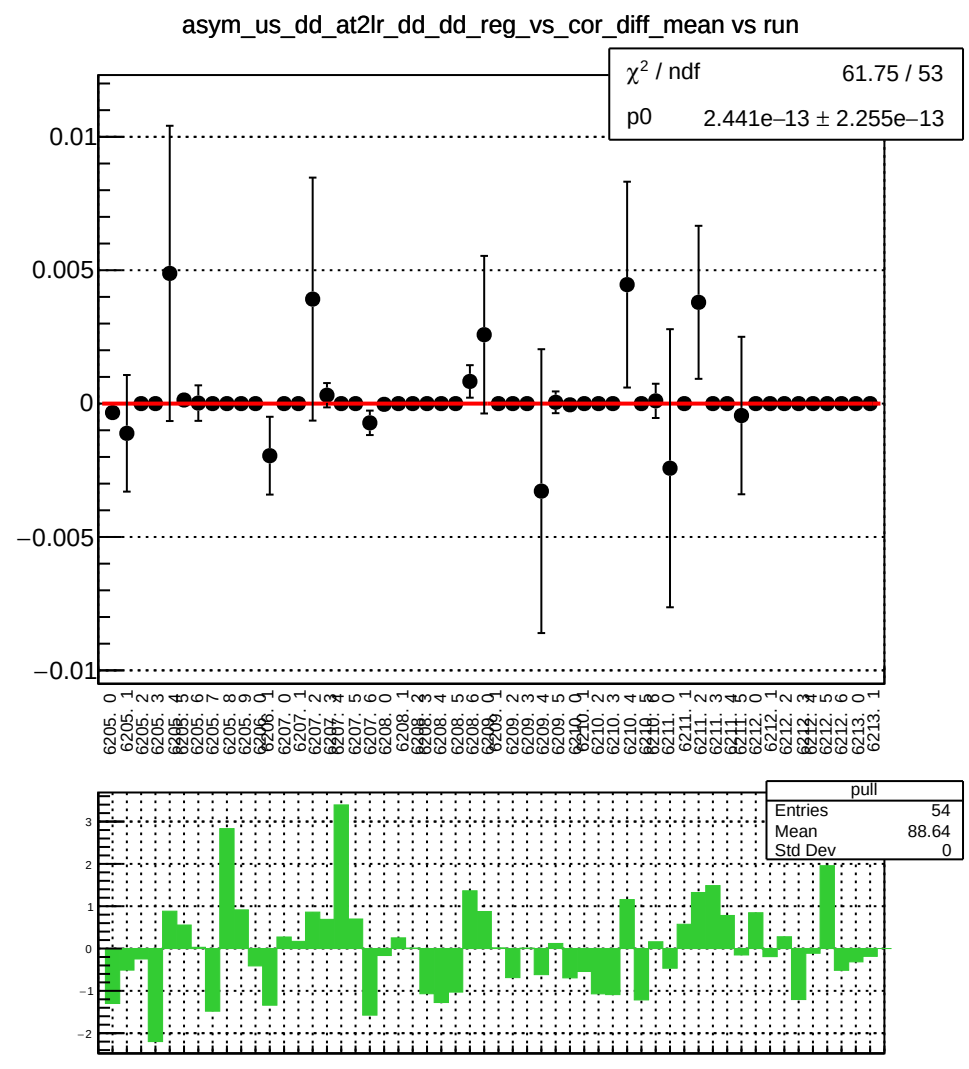

pull1D
Entries 54
Mean −0.01504
Std Dev 0.8862
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

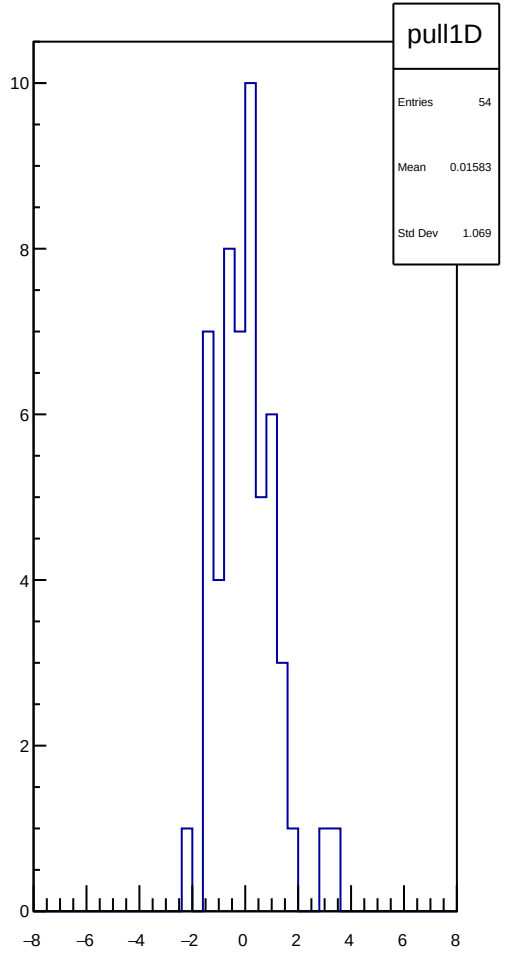

asym_us_dd_at2lr_dd_dd_eigen_dit_correction_rms vs run
χ² / ndf 3618 / 53
p0 1712 ± 1.666
2000
1900
1800
1700
1600
1500
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

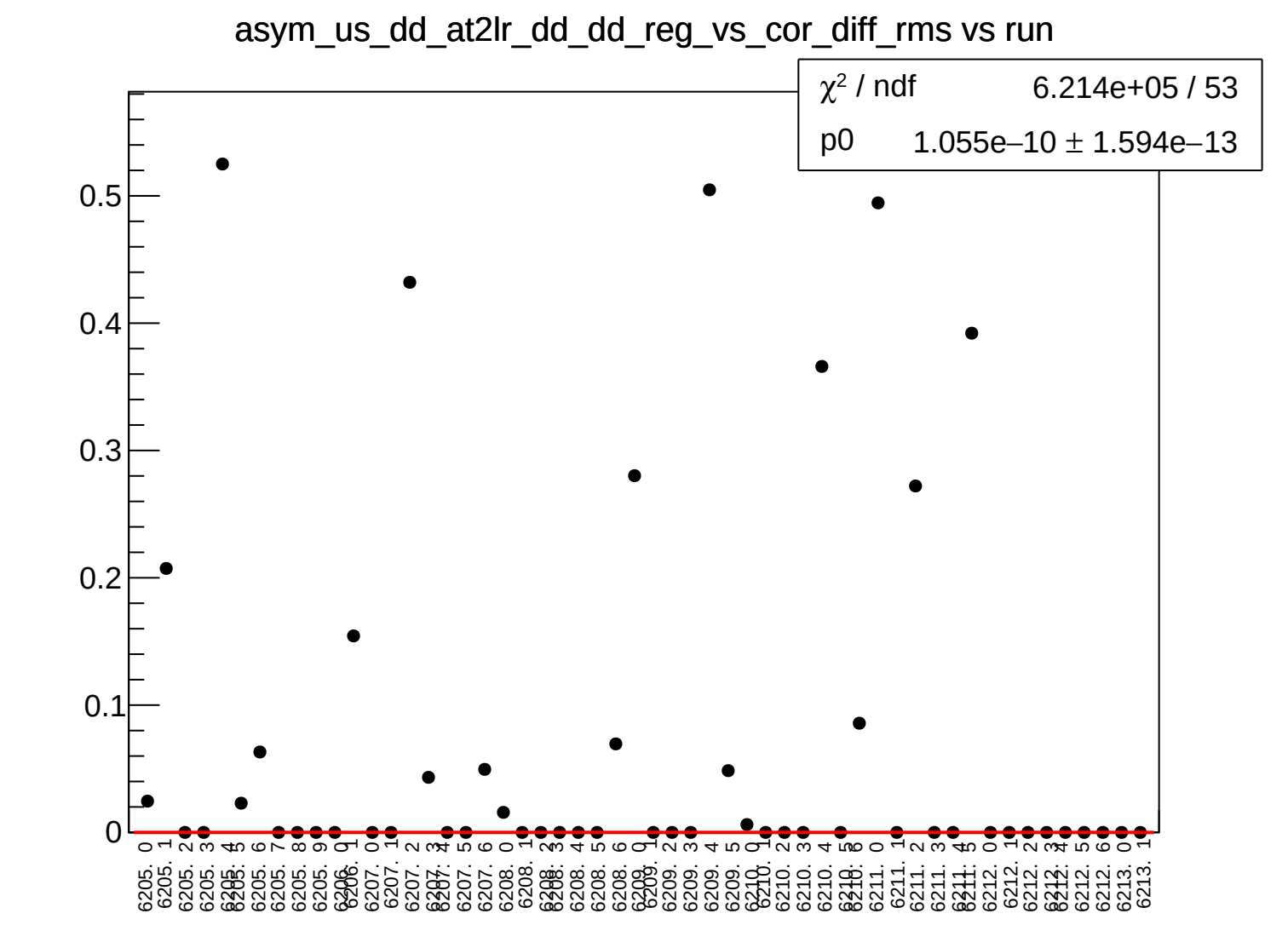

asym_us_dd_at2lr_dd_dd_mean vs run
×10^3
χ² / ndf 58.52 / 53
p0 1605 ± 2999
pull
Entries 54
Mean −409.6
Std Dev 0

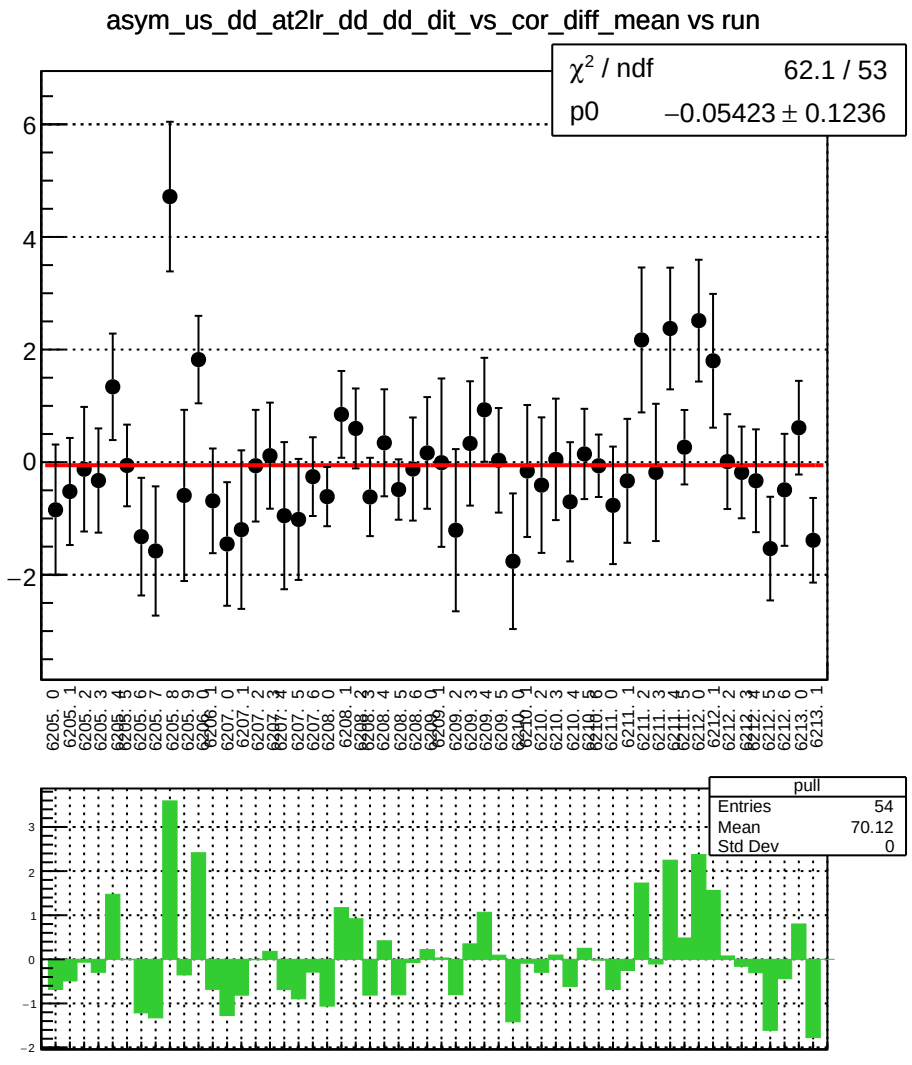

pull1D
Entries 54
Mean 0.003581
Std Dev 1.041

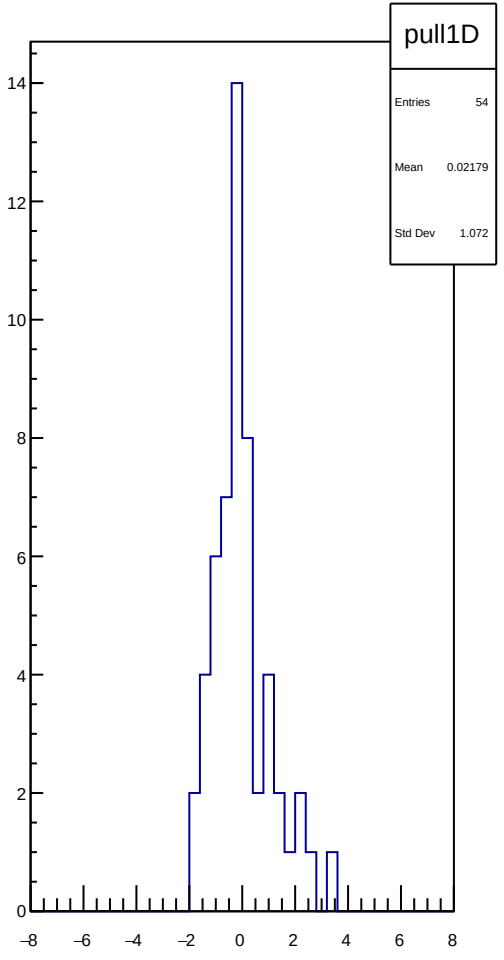

asym_us_dd_at2lr_dd_dd_rms vs run
χ² / ndf 787.9 / 53
p0 2182 ± 2.121
2400
2350
2300
2250
2200
2150
2100
2050
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

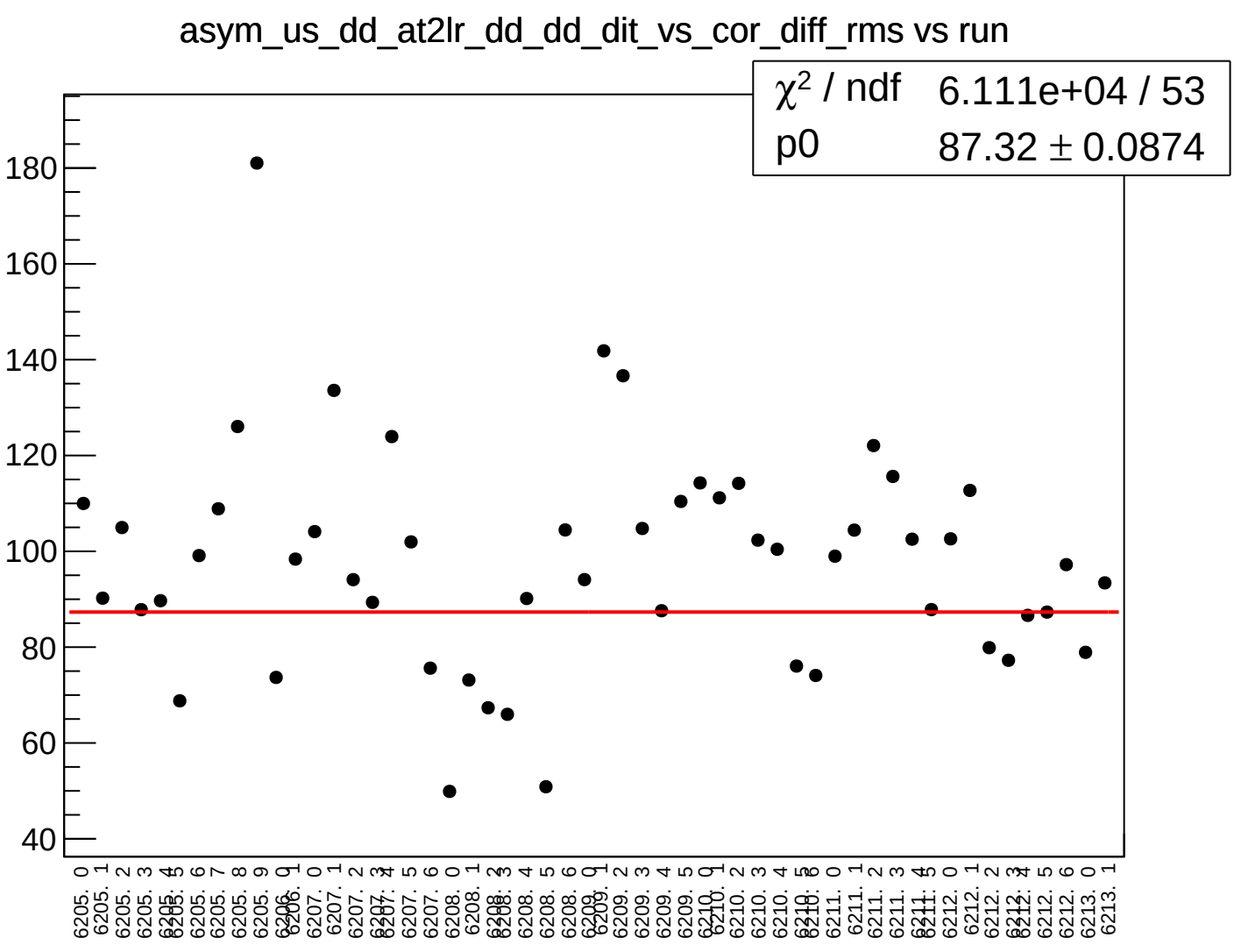

asym_us_dd_at2lr_dd_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 61.75 / 53
p0 2.441e−13 ± 2.255e−13
0.01
0.005
0
−0.005
−0.01
pull
Entries 54
Mean 88.64
Std Dev 0
3
2
1
0
−1
−2

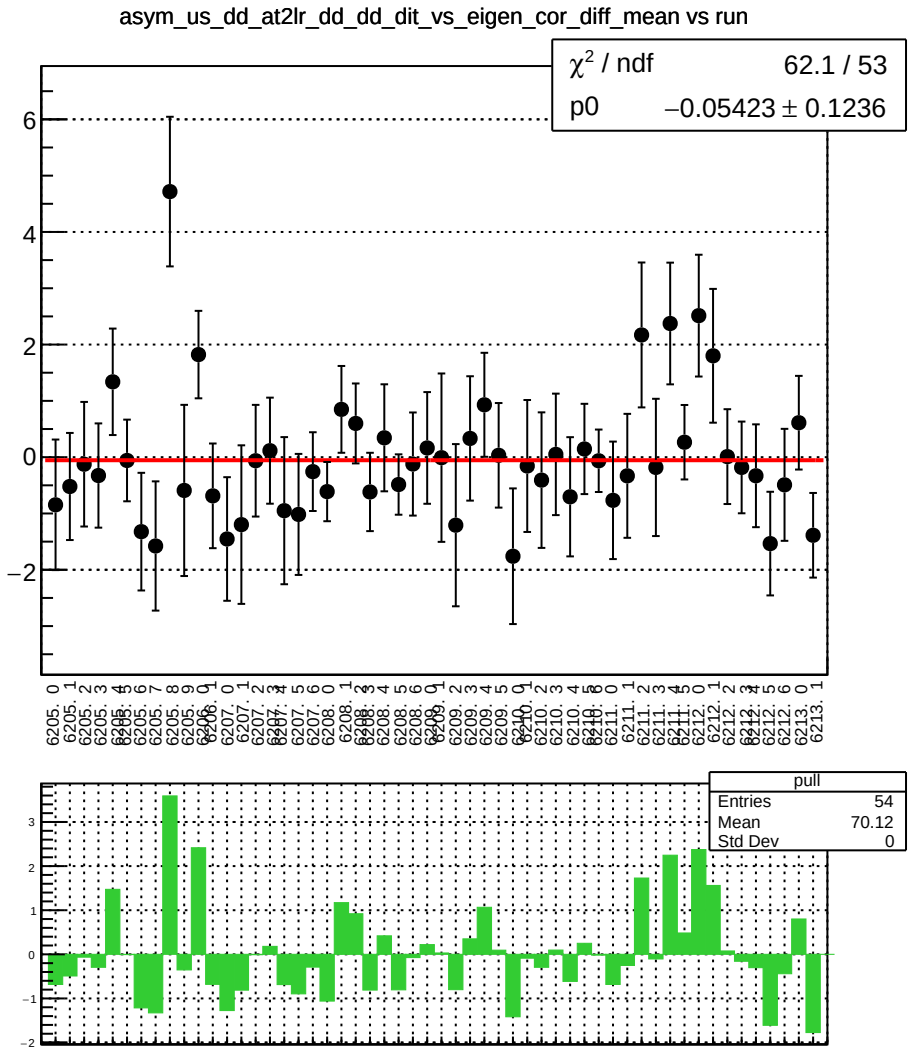

pull1D
Entries 54
Mean 0.01583
Std Dev 1.069
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

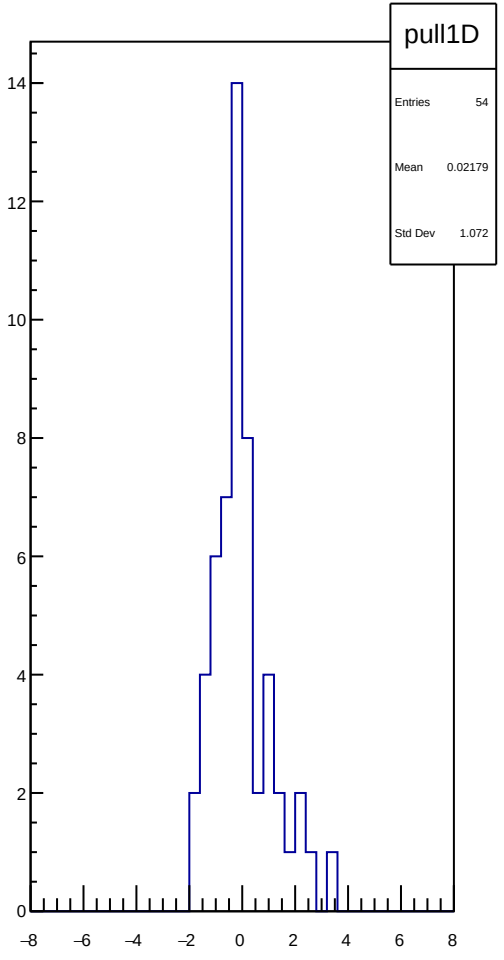

asym_us_dd_at2lr_dd_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.214e+05 / 53
p0 1.055e−10 ± 1.594e−13
0.5
0.4
0.3
0.2
0.1
0
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

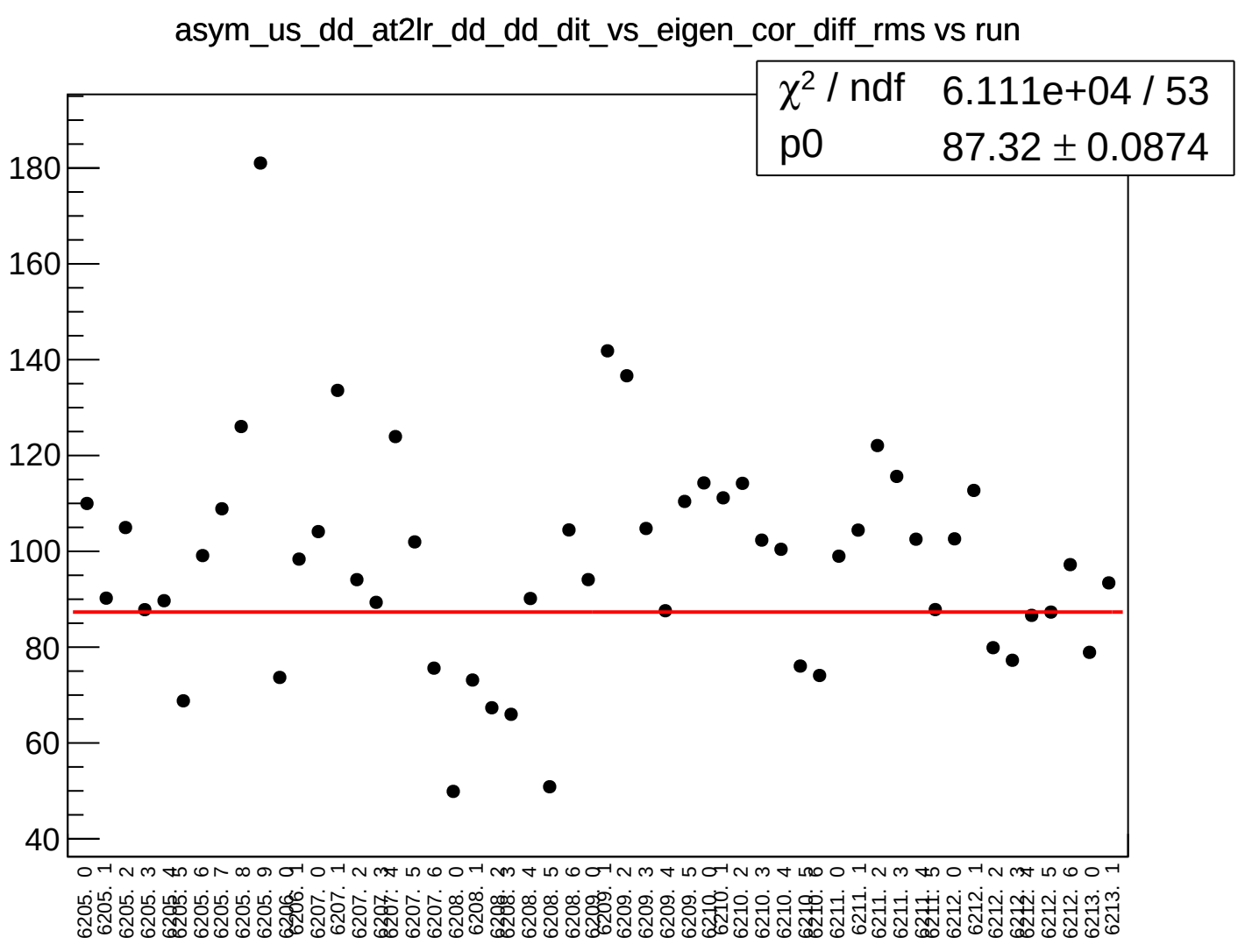

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 62.1 / 53
p0 −0.05423 ± 0.1236
pull
Entries 54
Mean 70.12
Std Dev 0

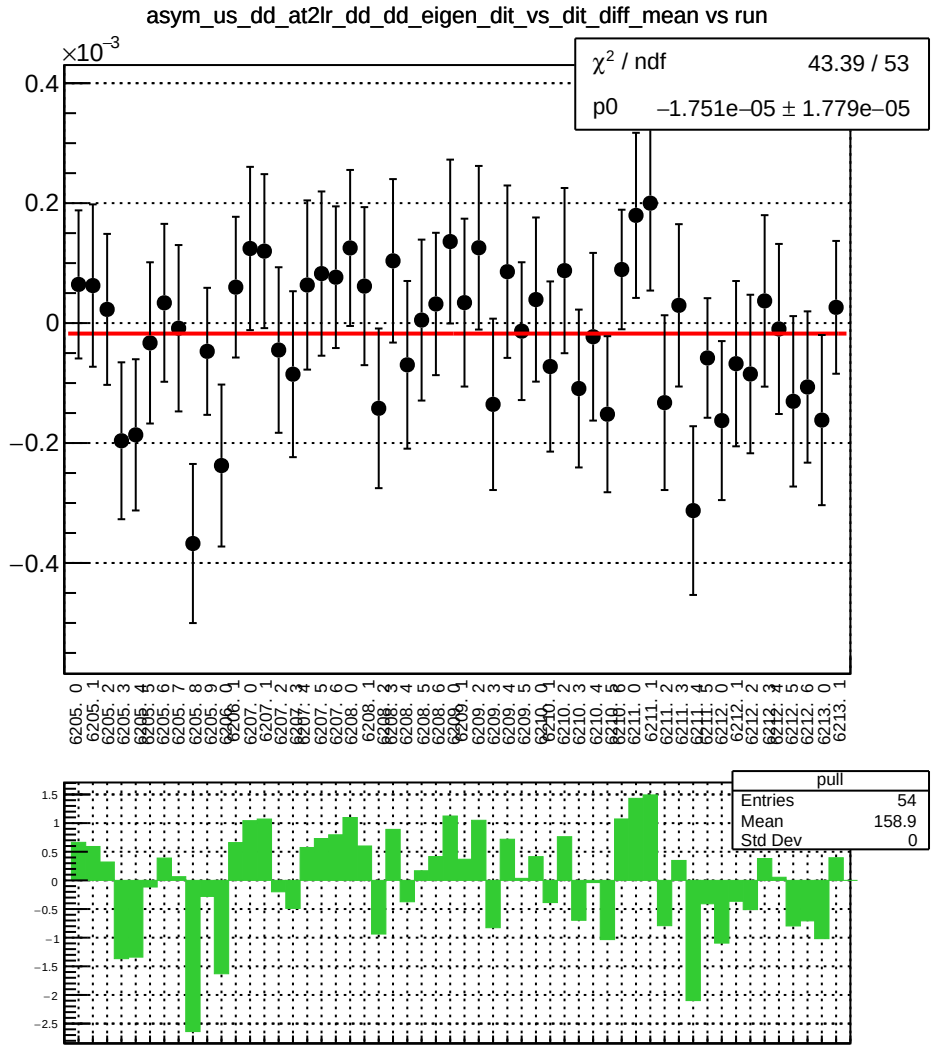

pull1D
Entries 54
Mean 0.02179
Std Dev 1.072

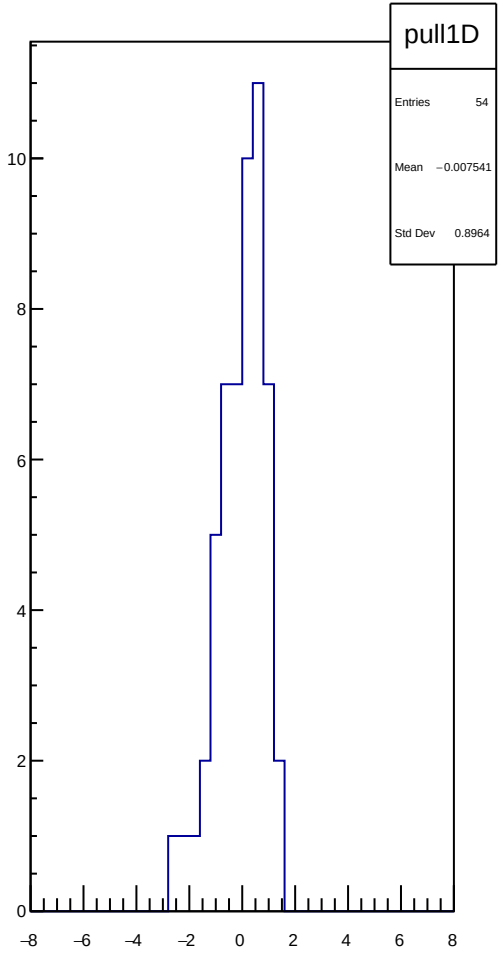

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 6.111e+04 / 53
p0 87.32 ± 0.0874
180
160
140
120
100
80
60
40
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

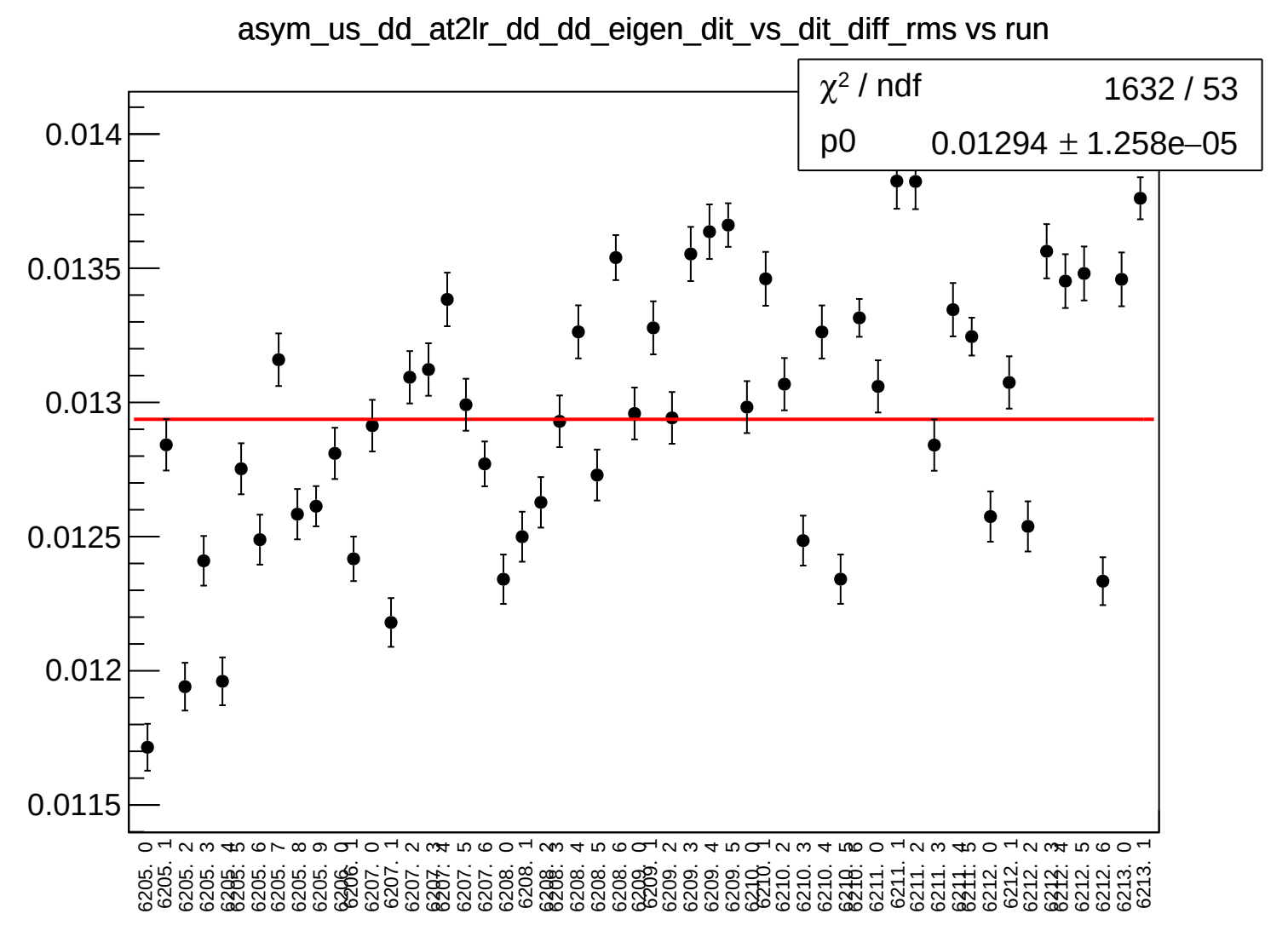

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 62.1 / 53
p0 −0.05423 ± 0.1236
pull
Entries 54
Mean 70.12
Std Dev 0

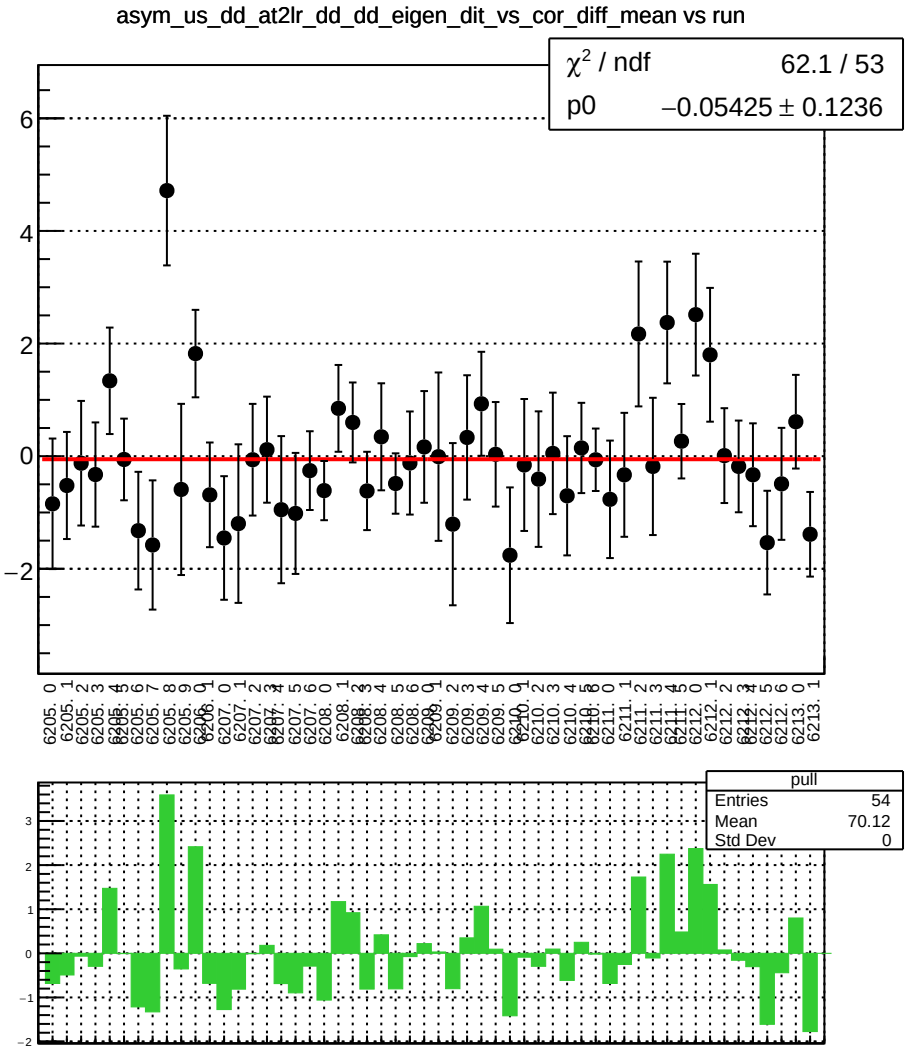

pull1D
Entries 54
Mean 0.02179
Std Dev 1.072

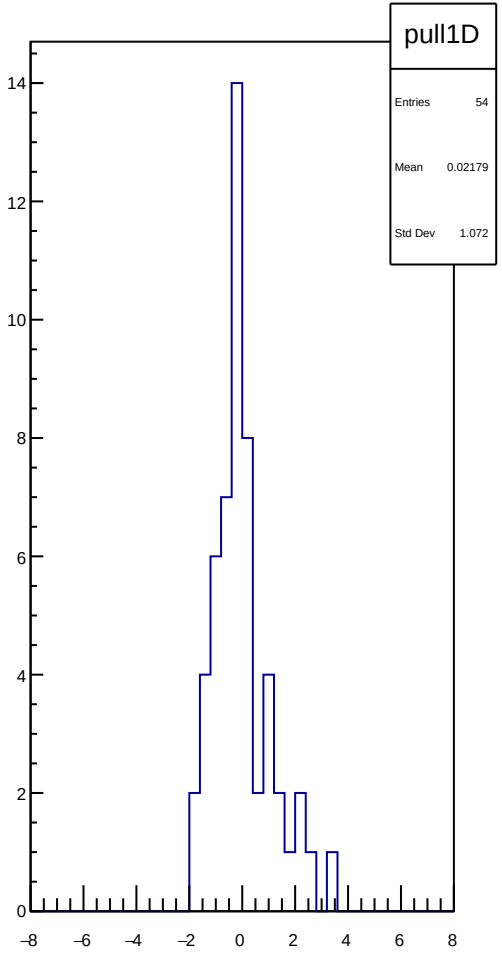

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.111e+04 / 53
p0 87.32 ± 0.0874
180
160
140
120
100
80
60
40
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

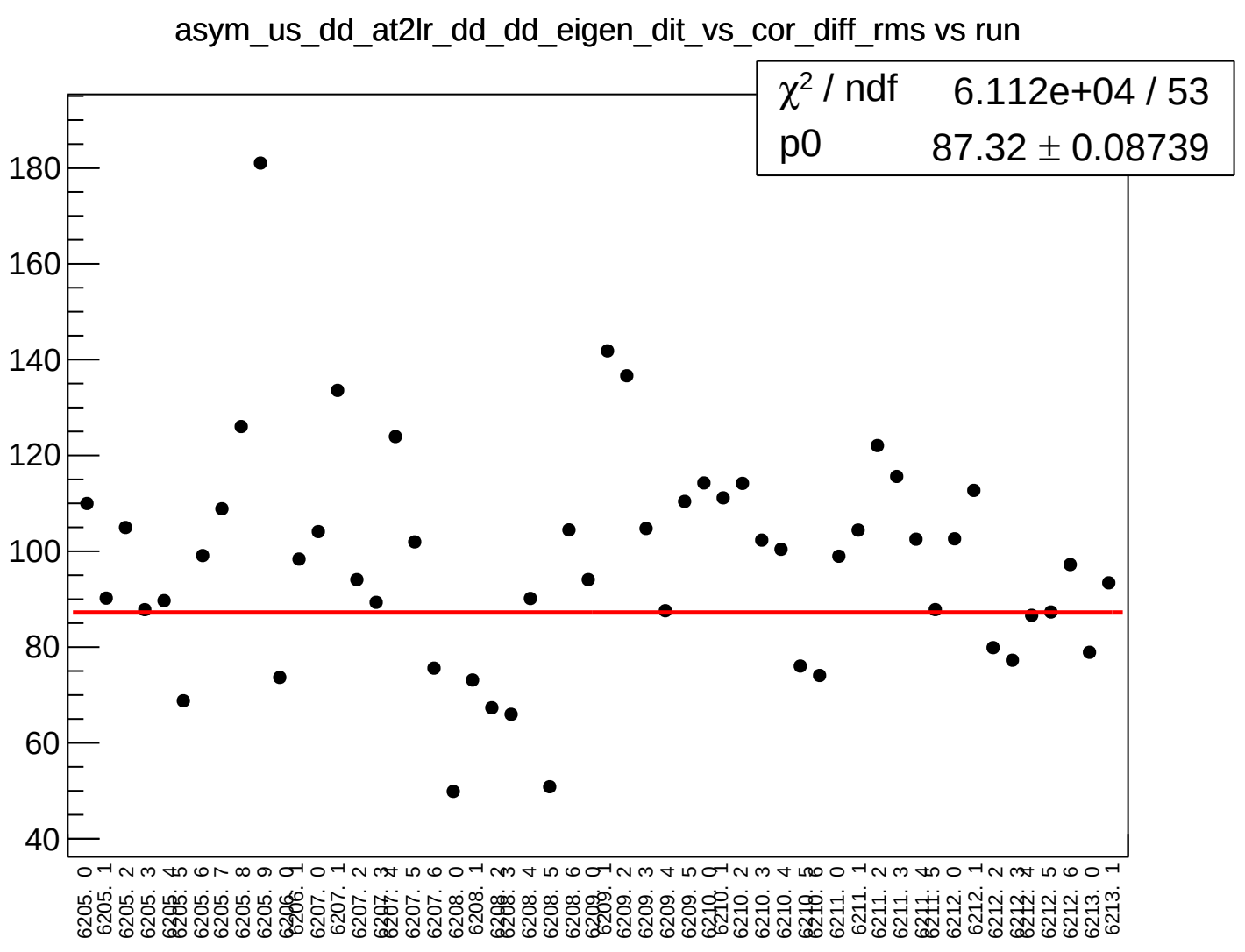

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 43.39 / 53
p0 −1.751e−05 ± 1.779e−05
0.4
0.2
0
−0.2
−0.4
pull
Entries 54
Mean 158.9
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

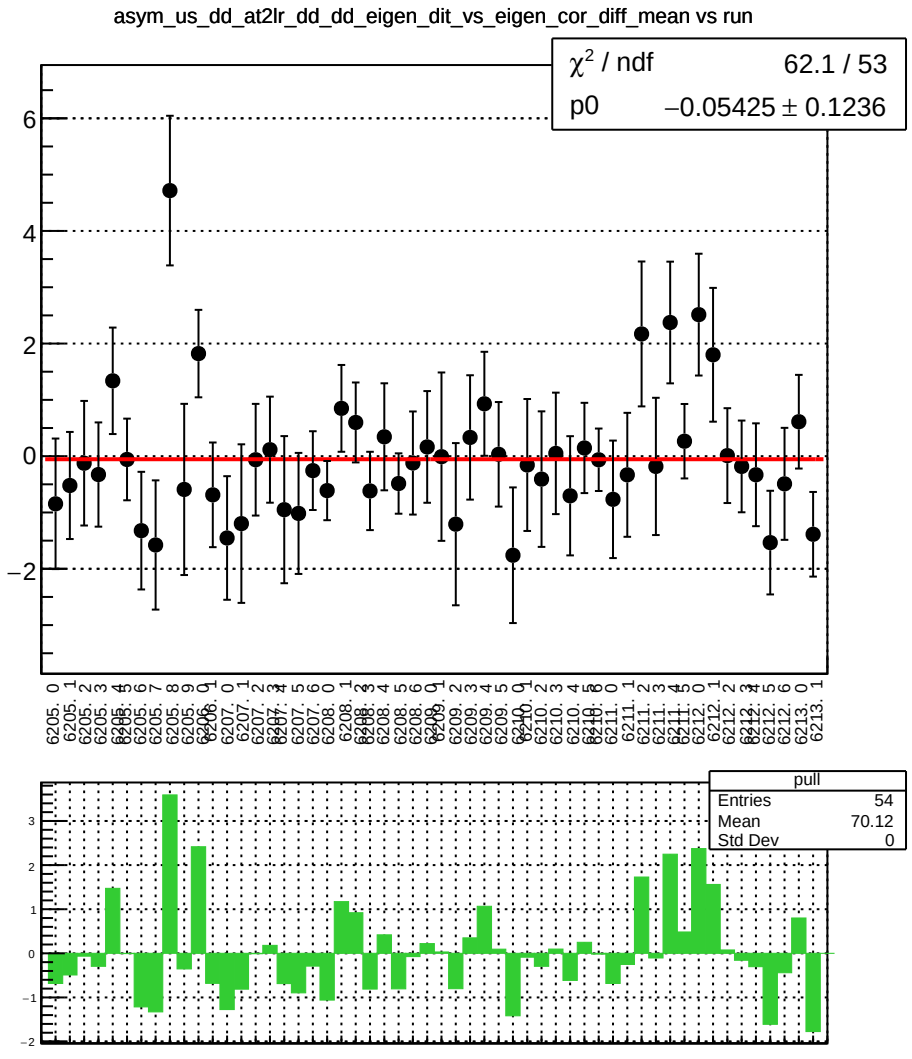

pull1D
Entries 54
Mean −0.007541
Std Dev 0.8964
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

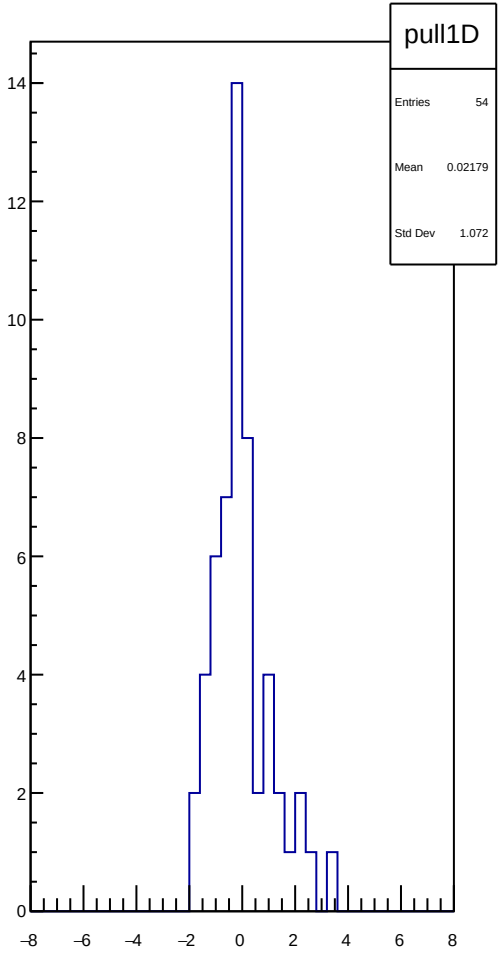

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1632 / 53
p0 0.01294 ± 1.258e−05
0.014
0.0135
0.013
0.0125
0.012
0.0115
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

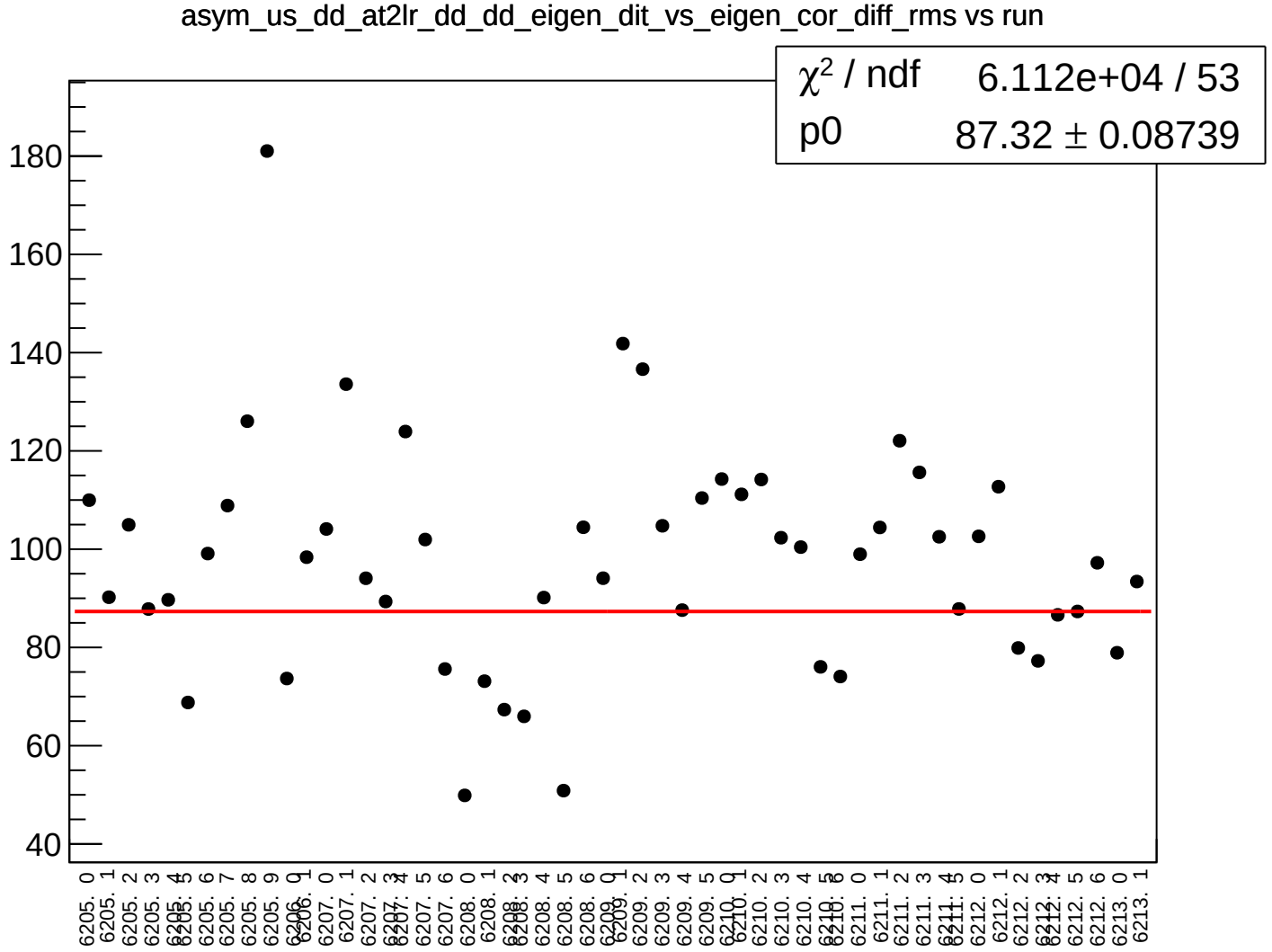

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 62.1 / 53
p0 −0.05425 ± 0.1236
pull
Entries 54
Mean 70.12
Std Dev 0

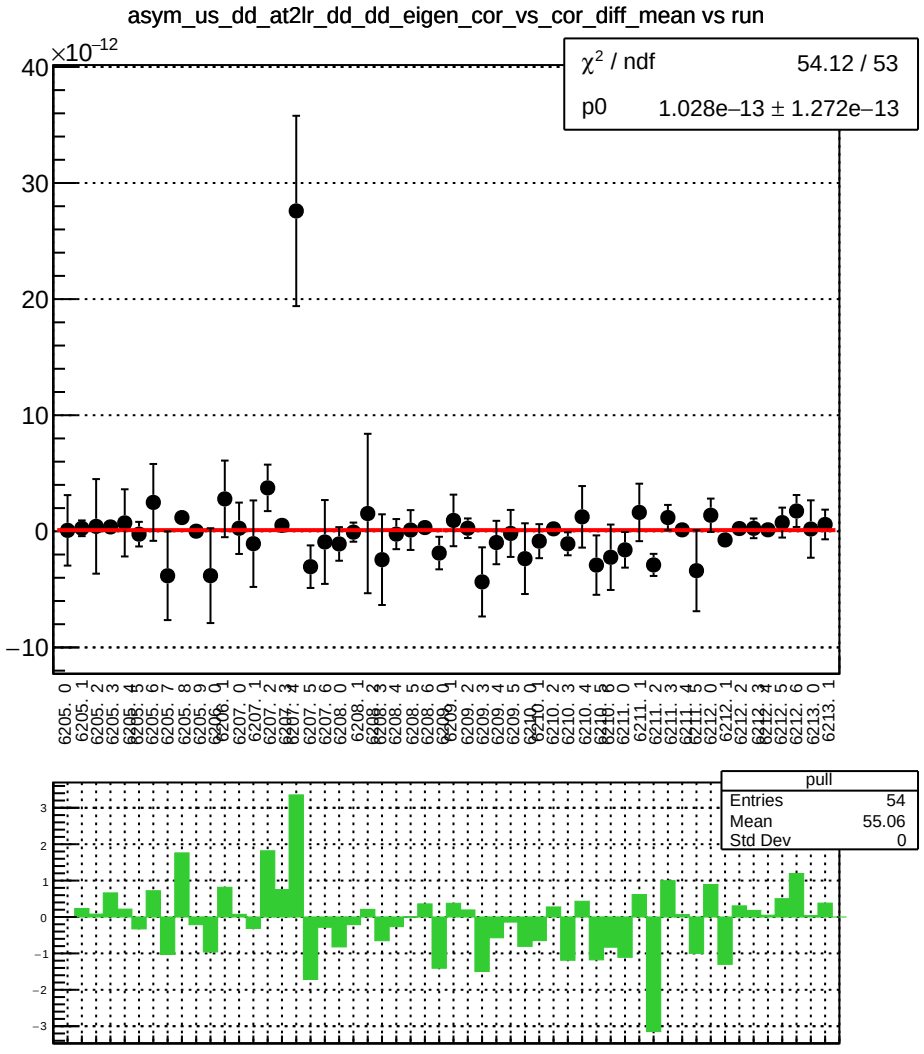

pull1D
Entries 54
Mean 0.02179
Std Dev 1.072

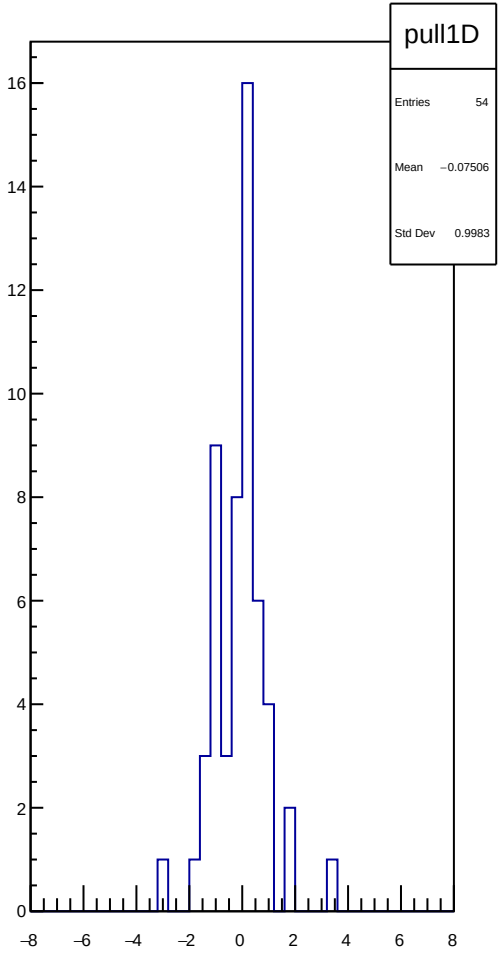

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 6.112e+04 / 53
p0 87.32 ± 0.08739
180
160
140
120
100
80
60
40
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

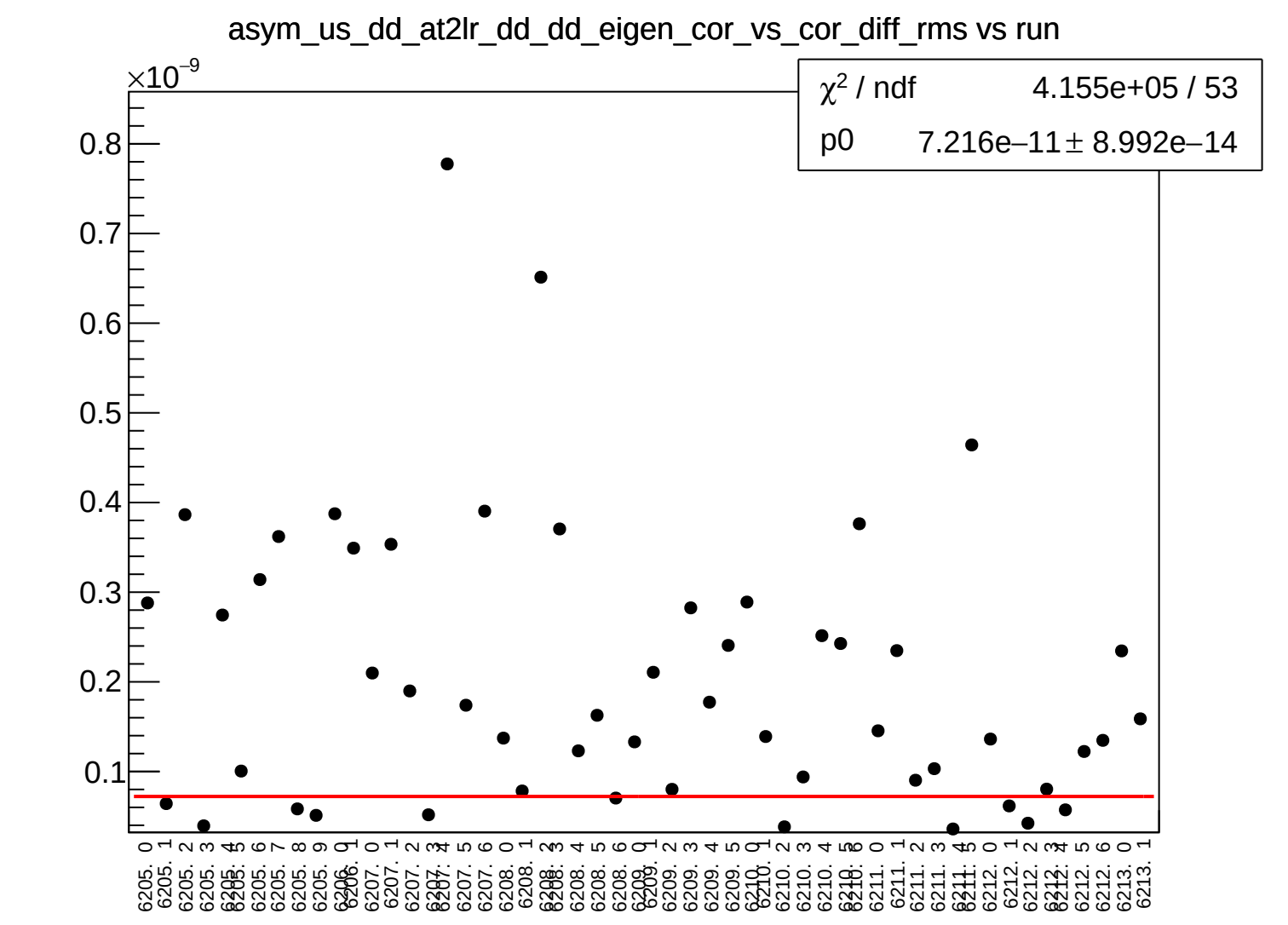

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 62.1 / 53
p0 −0.05425 ± 0.1236
pull
Entries 54
Mean 70.12
Std Dev 0

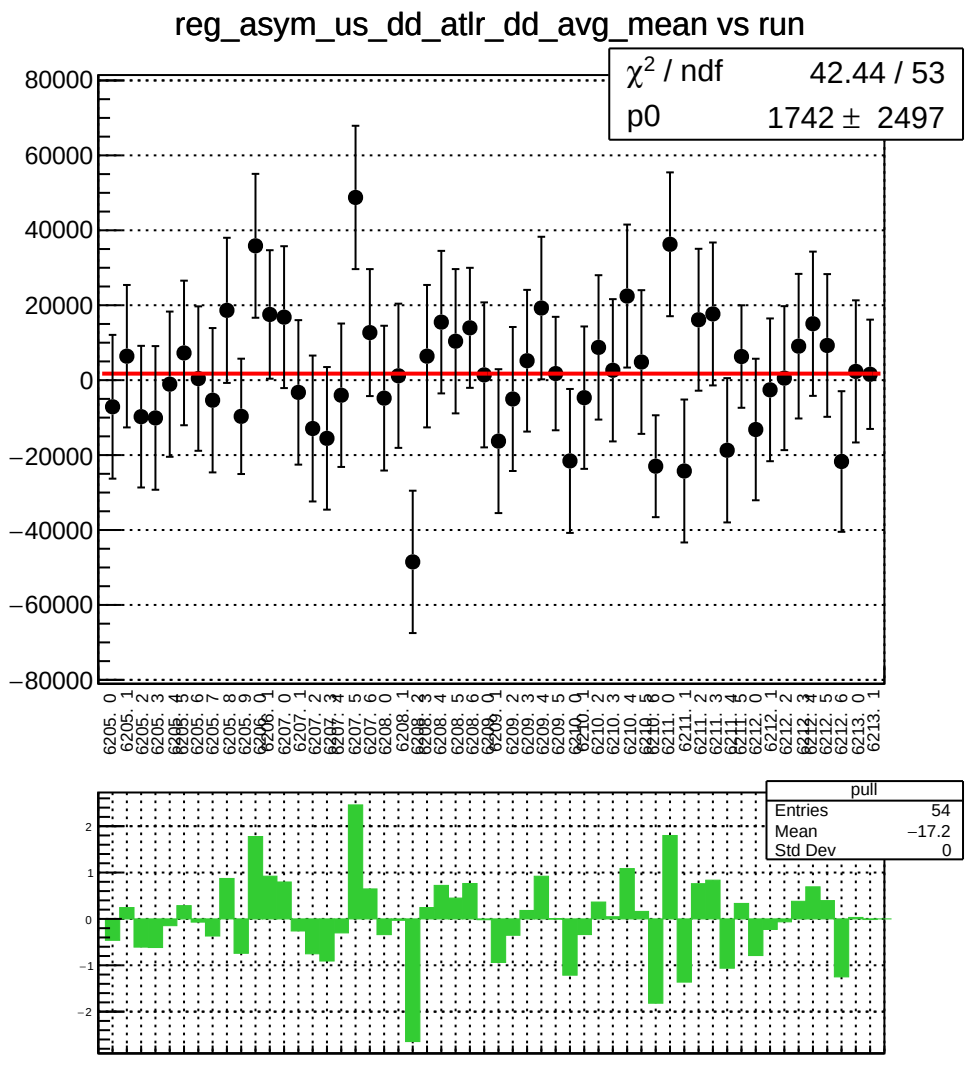

pull1D
Entries 54
Mean 0.02179
Std Dev 1.072

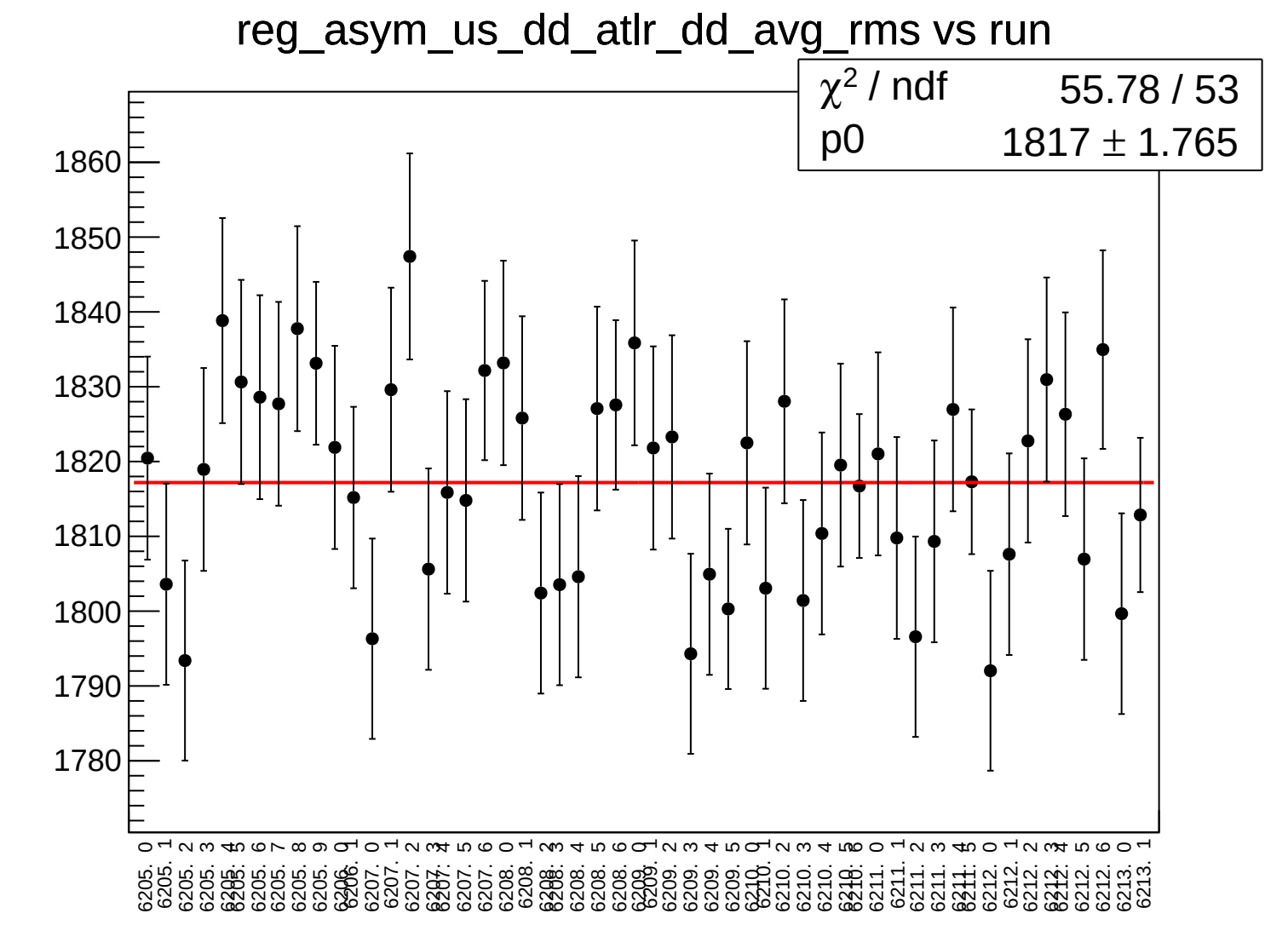

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.112e+04 / 53
p0 87.32 ± 0.08739
180
160
140
120
100
80
60
40
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

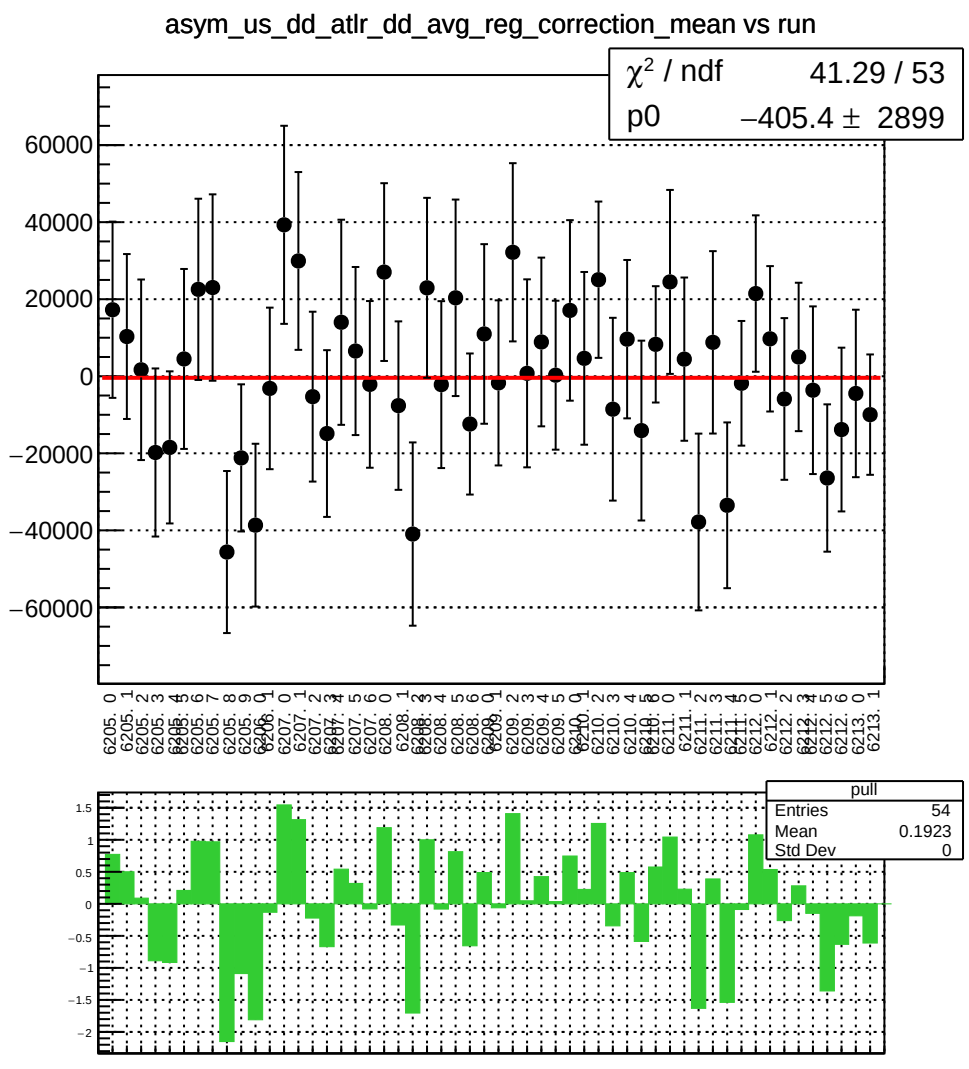

asym_us_dd_at2lr_dd_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 54.12 / 53
p0 1.028e−13 ± 1.272e−13
pull
Entries 54
Mean 55.06
Std Dev 0

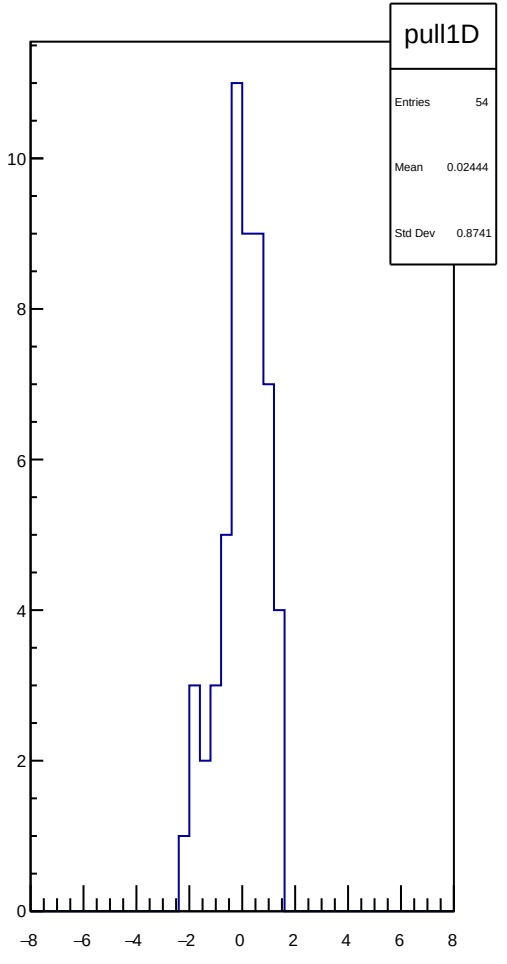

pull1D
Entries 54
Mean −0.07506
Std Dev 0.9983

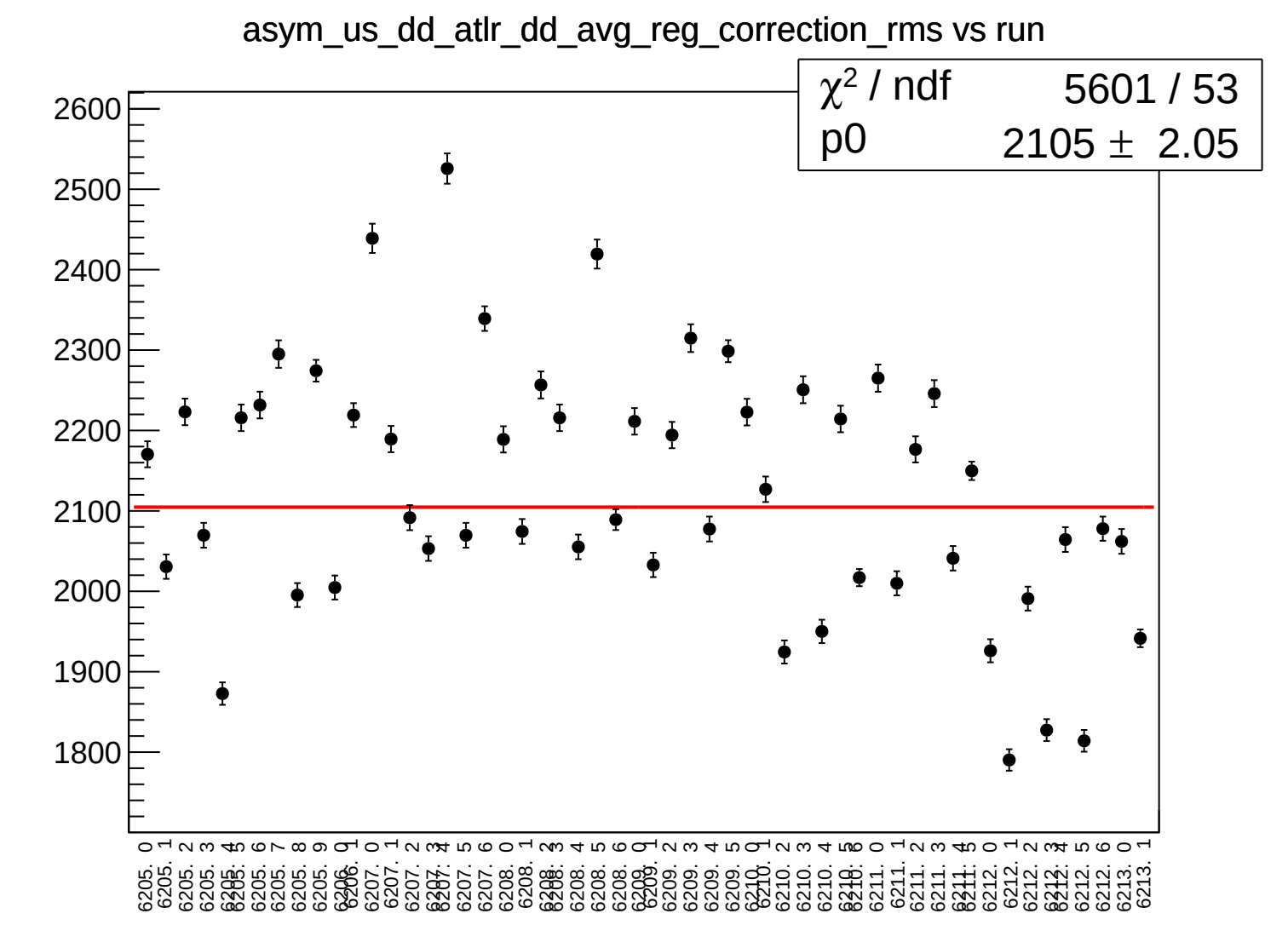

asym_us_dd_at2lr_dd_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.155e+05 / 53
p0 7.216e−11 ± 8.992e−14
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

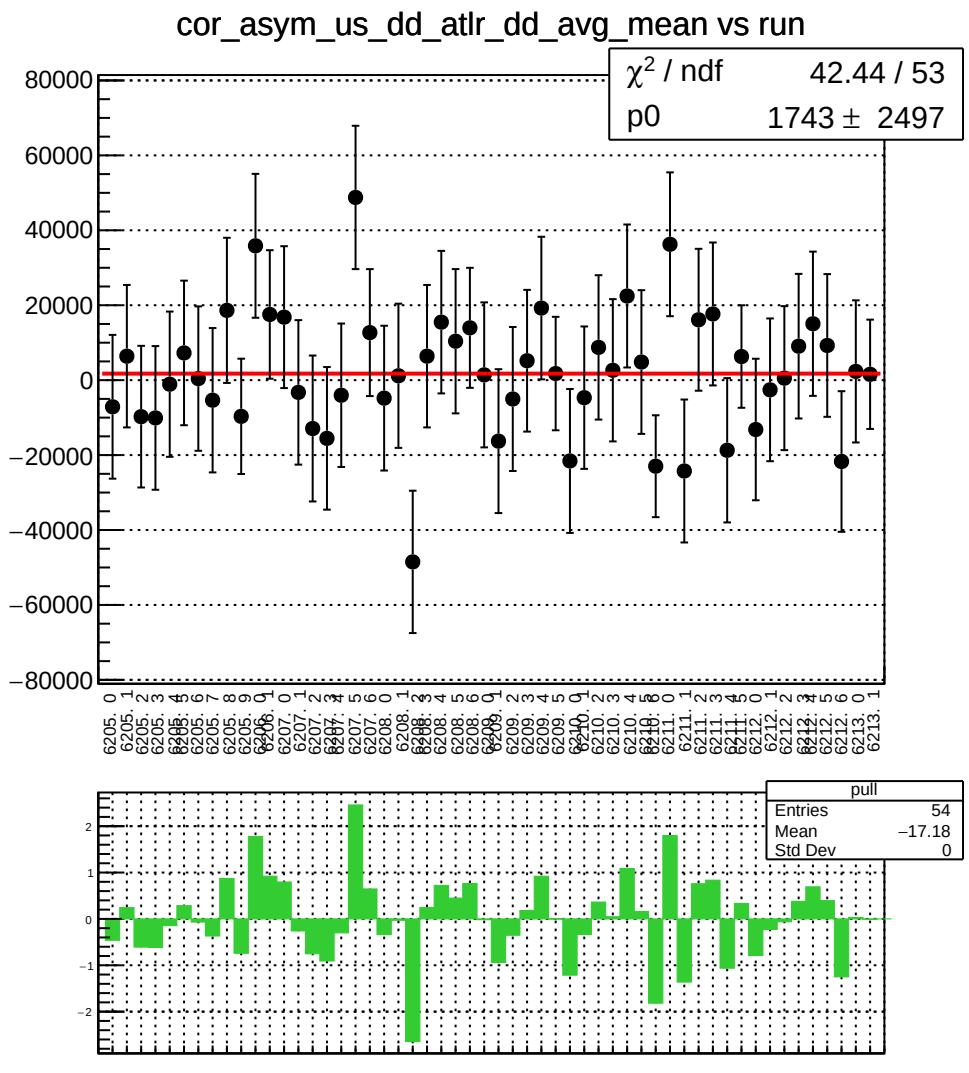

reg_asym_us_dd_atlr_dd_avg_mean vs run
χ² / ndf 42.44 / 53
p0 1742 ± 2497
pull
Entries 54
Mean −17.2
Std Dev 0
pull1D
Entries 54
Mean 0.0089
Std Dev 0.8864

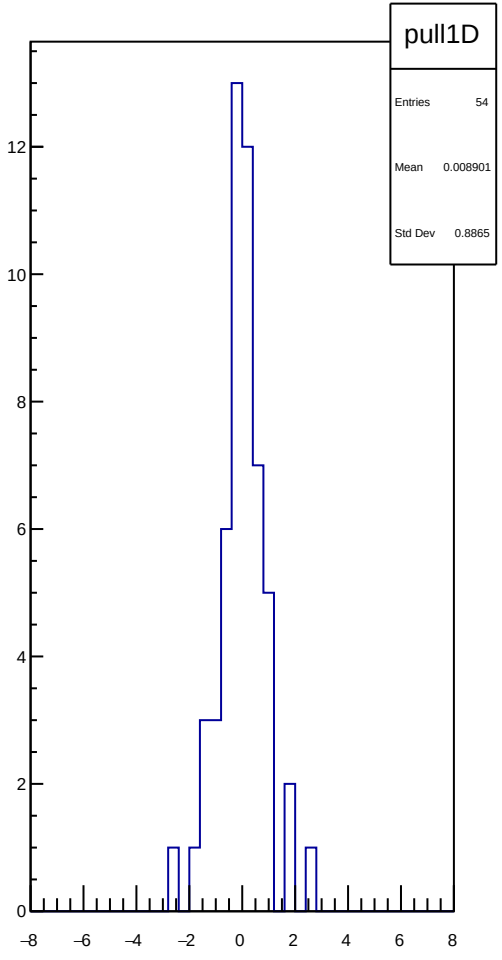

reg_asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 55.78 / 53
p0 1817 ± 1.765
1860
1850
1840
1830
1820
1810
1800
1790
1780
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

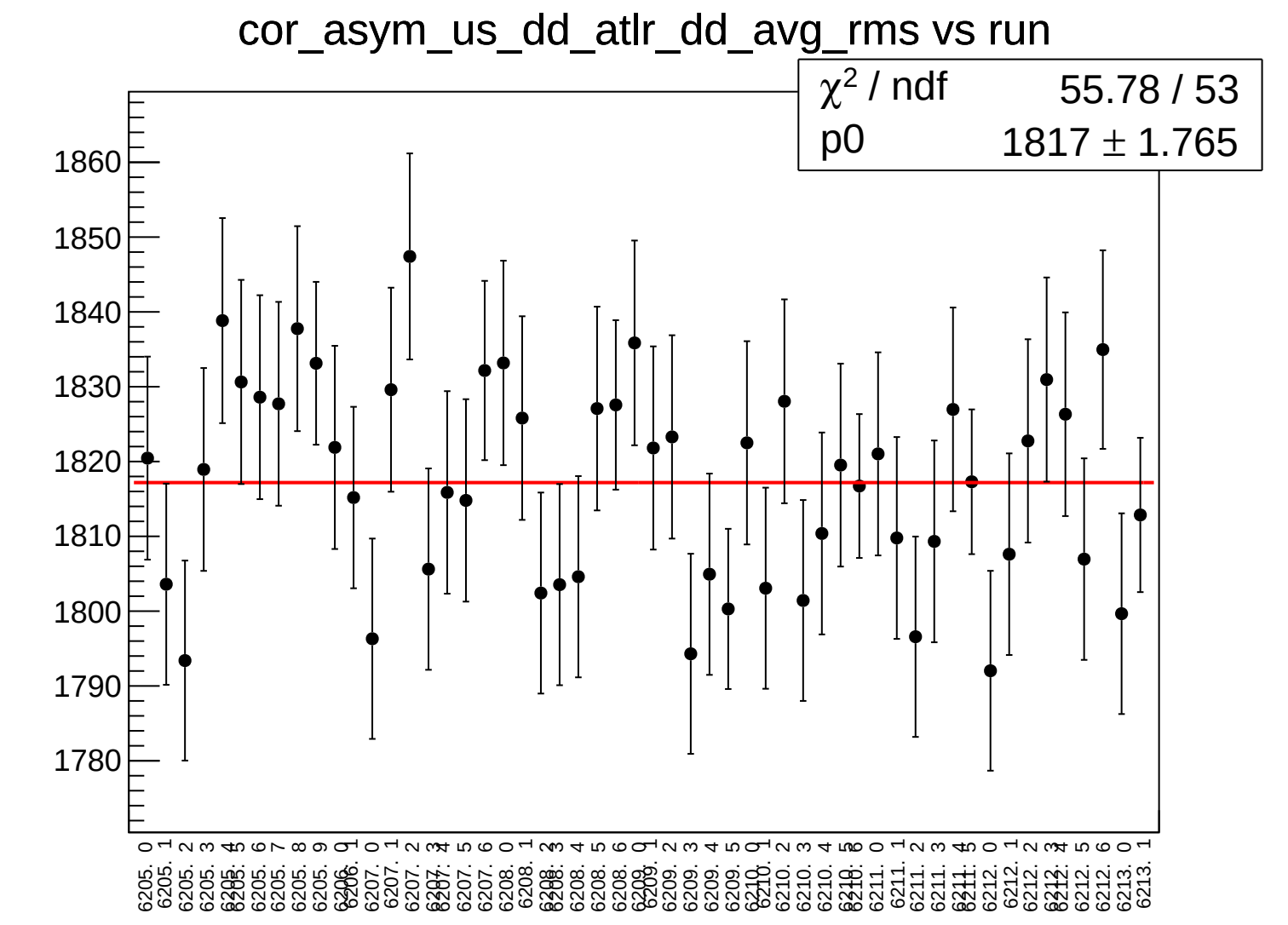

asym_us_dd_atlr_dd_avg_reg_correction_mean vs run
χ² / ndf 41.29 / 53
p0 −405.4 ± 2899
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 0.1923
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

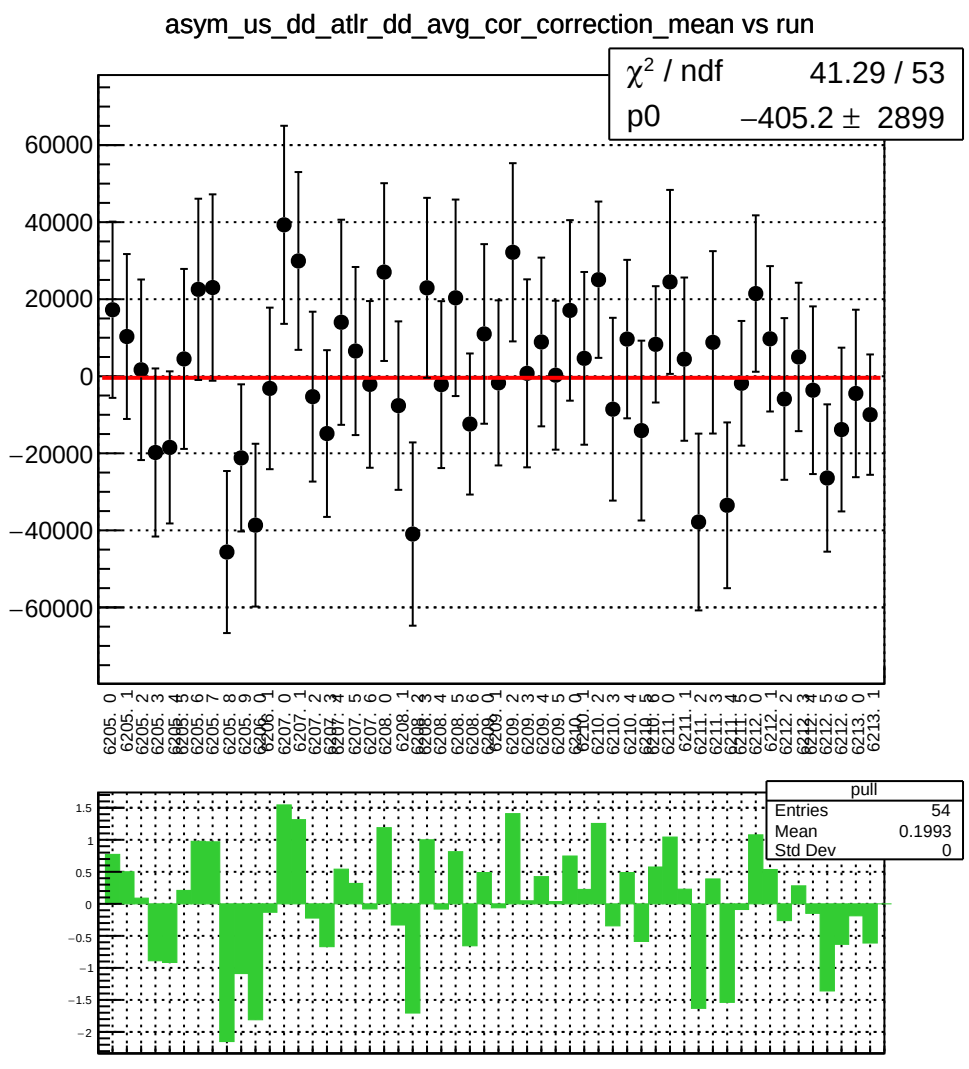

pull1D
Entries 54
Mean 0.02444
Std Dev 0.8741
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

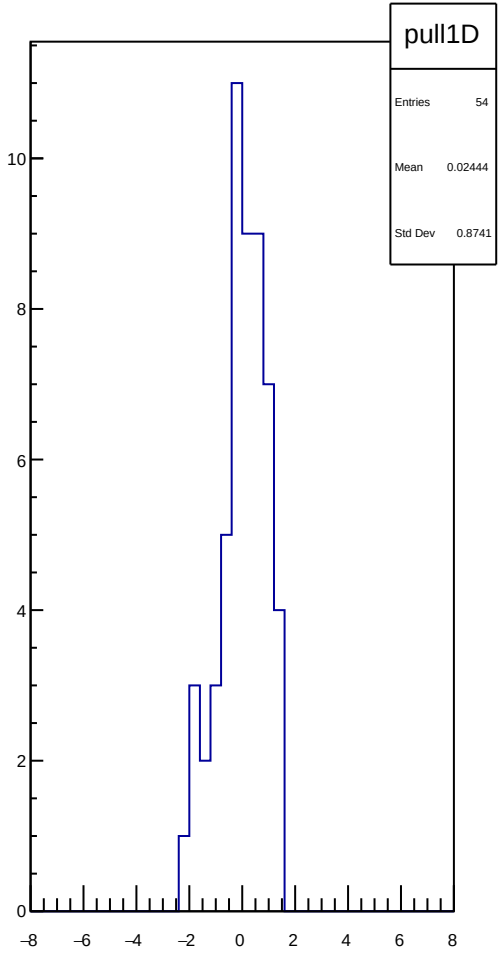

asym_us_dd_atlr_dd_avg_reg_correction_rms vs run
χ² / ndf 5601 / 53
p0 2105 ± 2.05
2600
2500
2400
2300
2200
2100
2000
1900
1800
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

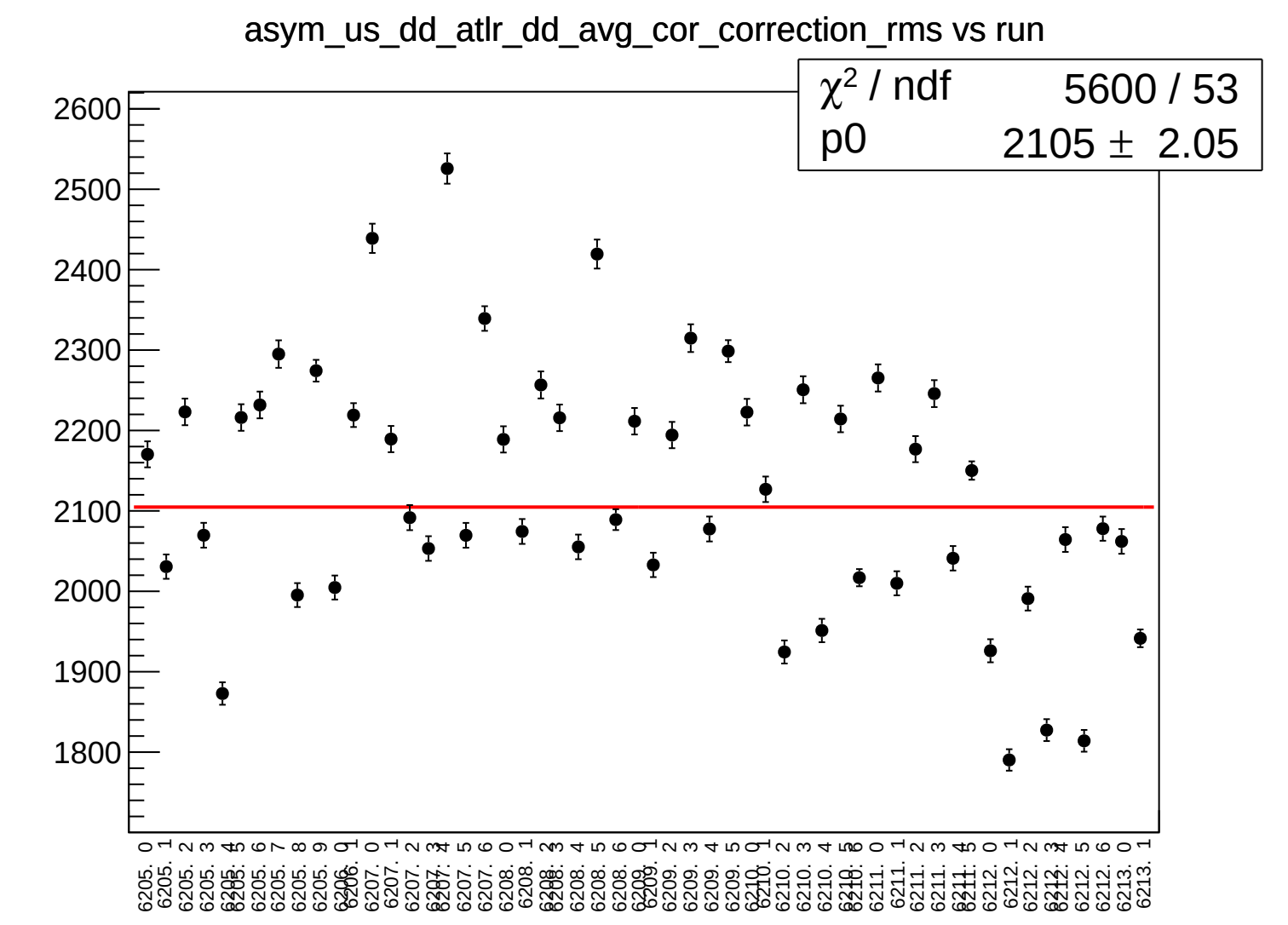

cor_asym_us_dd_atlr_dd_avg_mean vs run
χ² / ndf 42.44 / 53
p0 1743 ± 2497
pull
Entries 54
Mean −17.18
Std Dev 0


pull1D
Entries 54
Mean 0.008901
Std Dev 0.8865


cor_asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 55.78 / 53
p0 1817 ± 1.765
1860
1850
1840
1830
1820
1810
1800
1790
1780
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 1
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1


asym_us_dd_atlr_dd_avg_cor_correction_mean vs run
χ² / ndf 41.29 / 53
p0 −405.2 ± 2899
pull
Entries 54
Mean 0.1993
Std Dev 0


pull1D
Entries 54
Mean 0.02444
Std Dev 0.8741


asym_us_dd_atlr_dd_avg_cor_correction_rms vs run
χ² / ndf 5600 / 53
p0 2105 ± 2.05
2600
2500
2400
2300
2200
2100
2000
1900
1800
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
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6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
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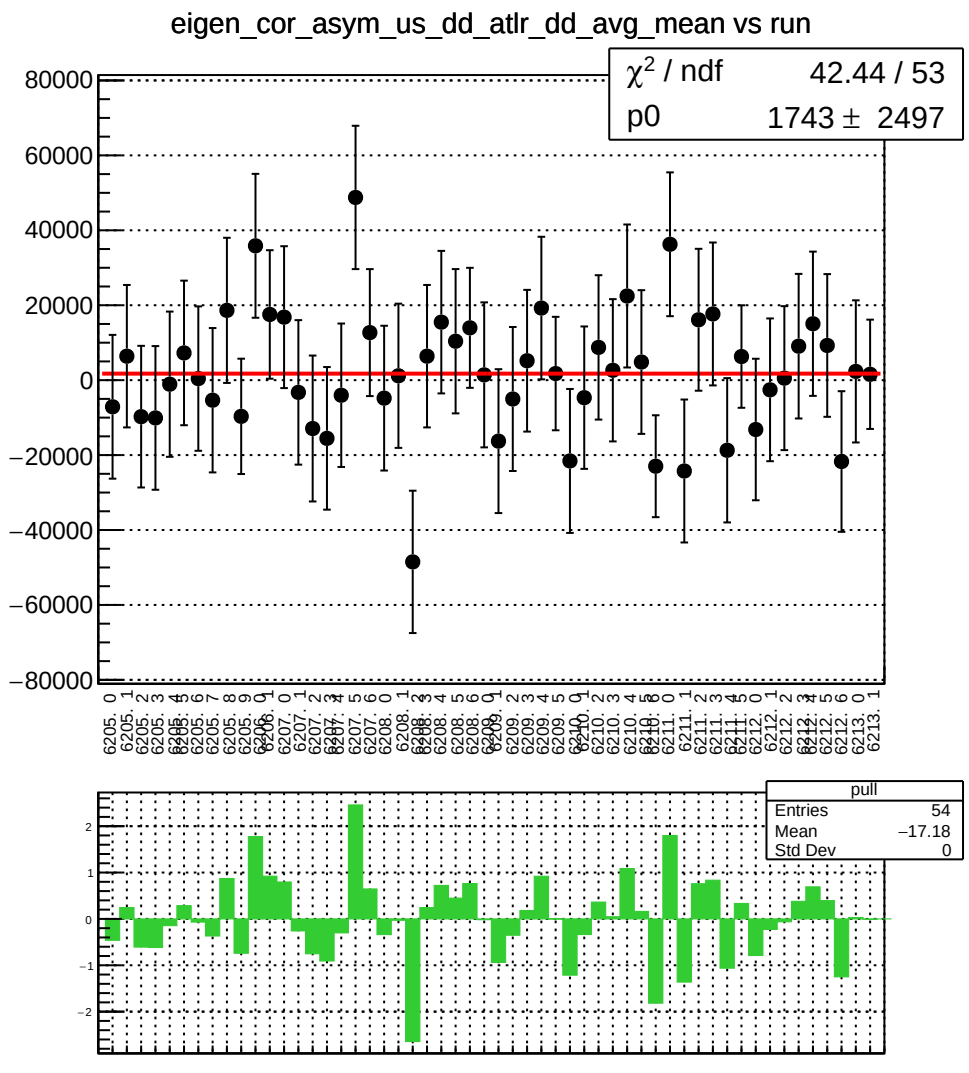
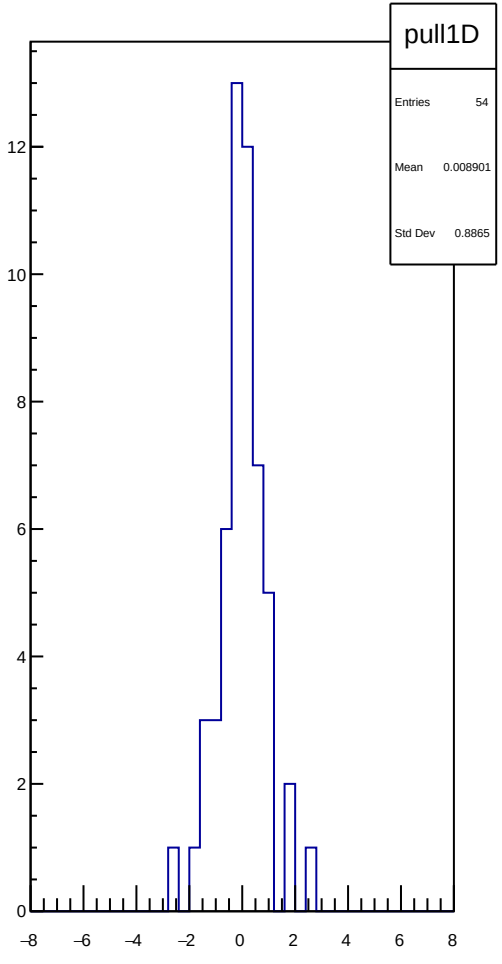
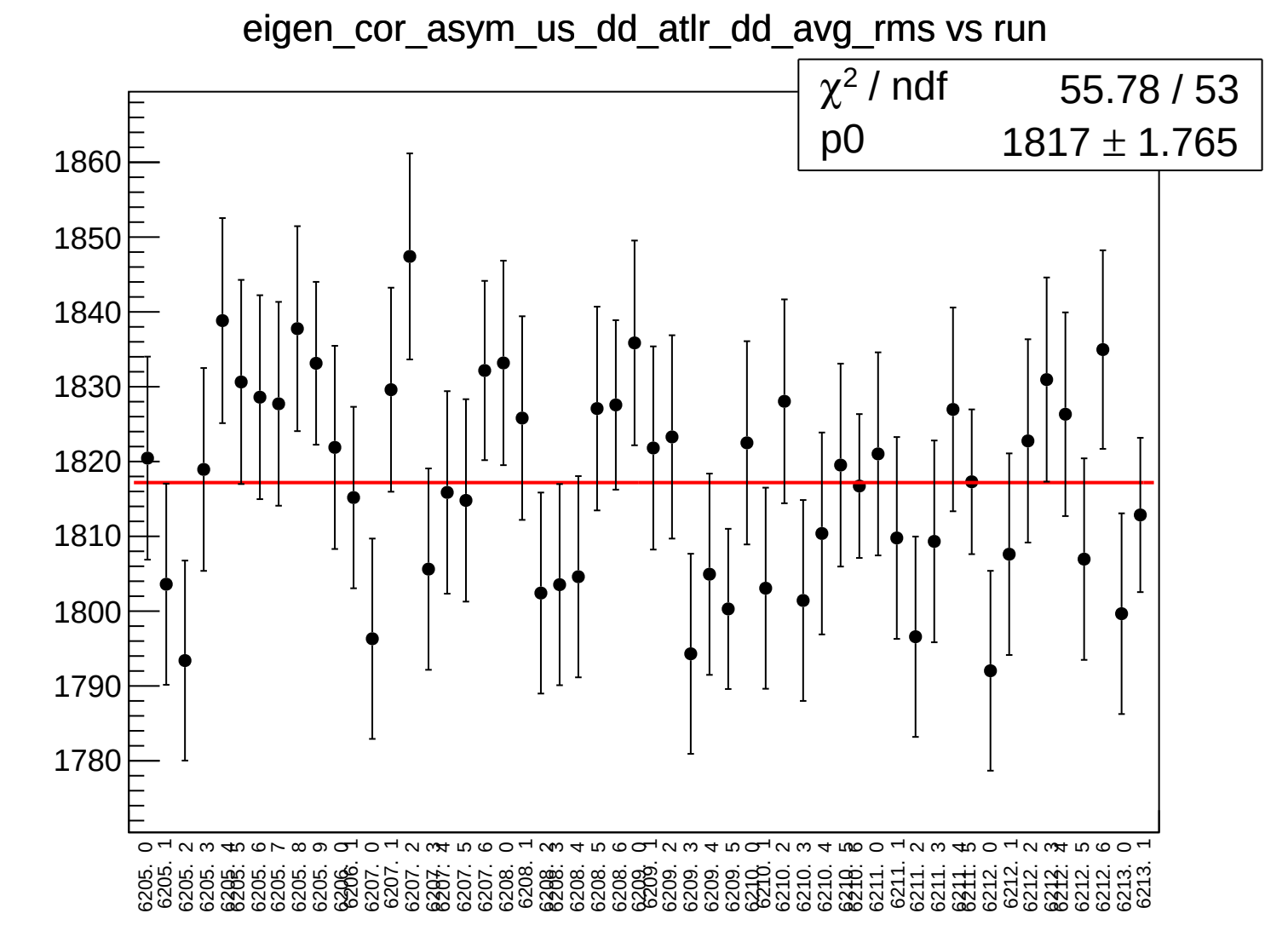
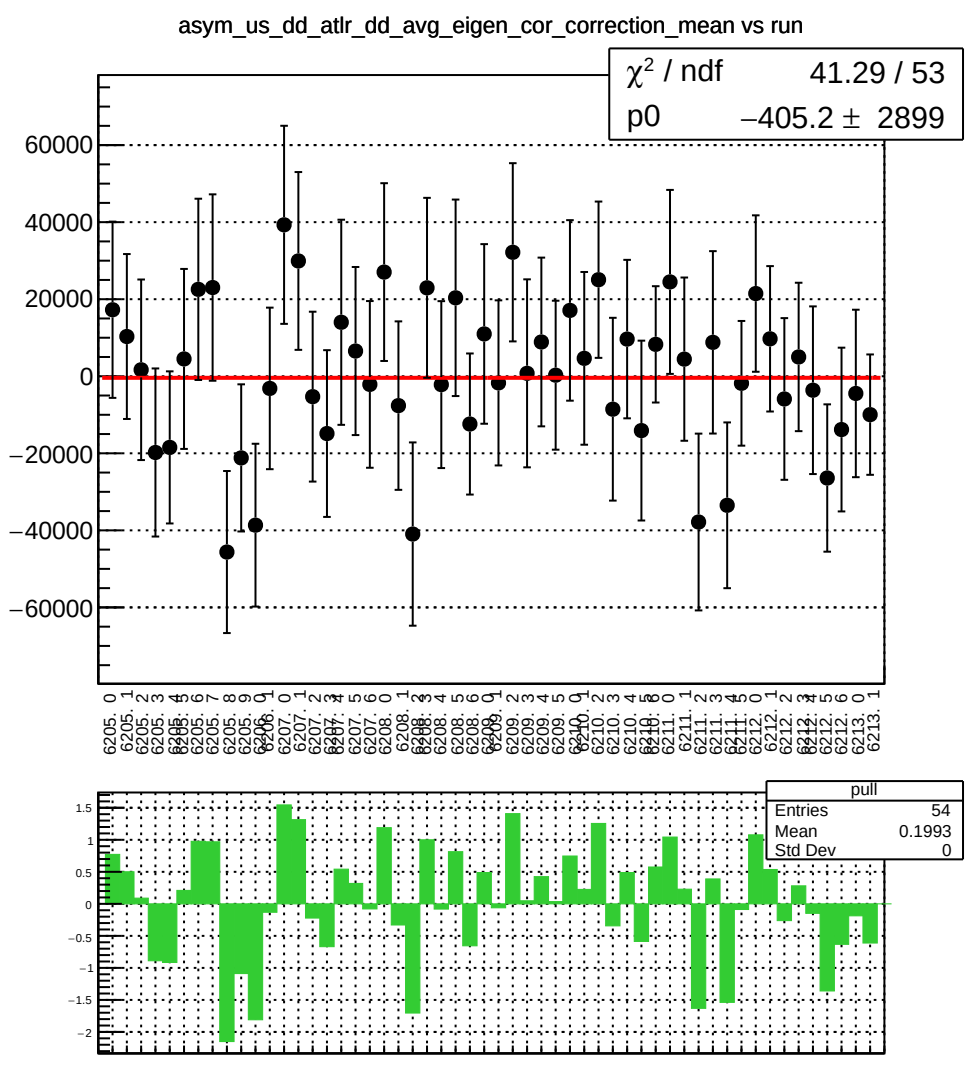
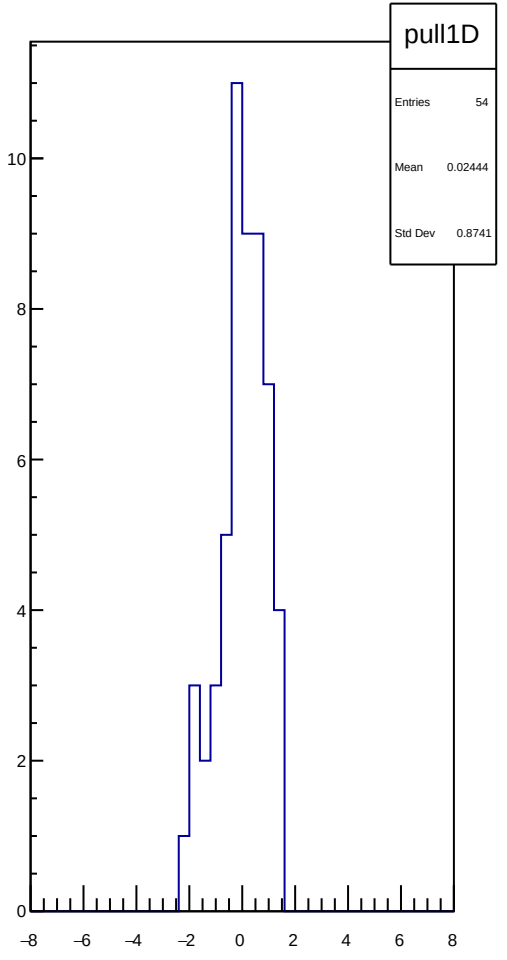
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

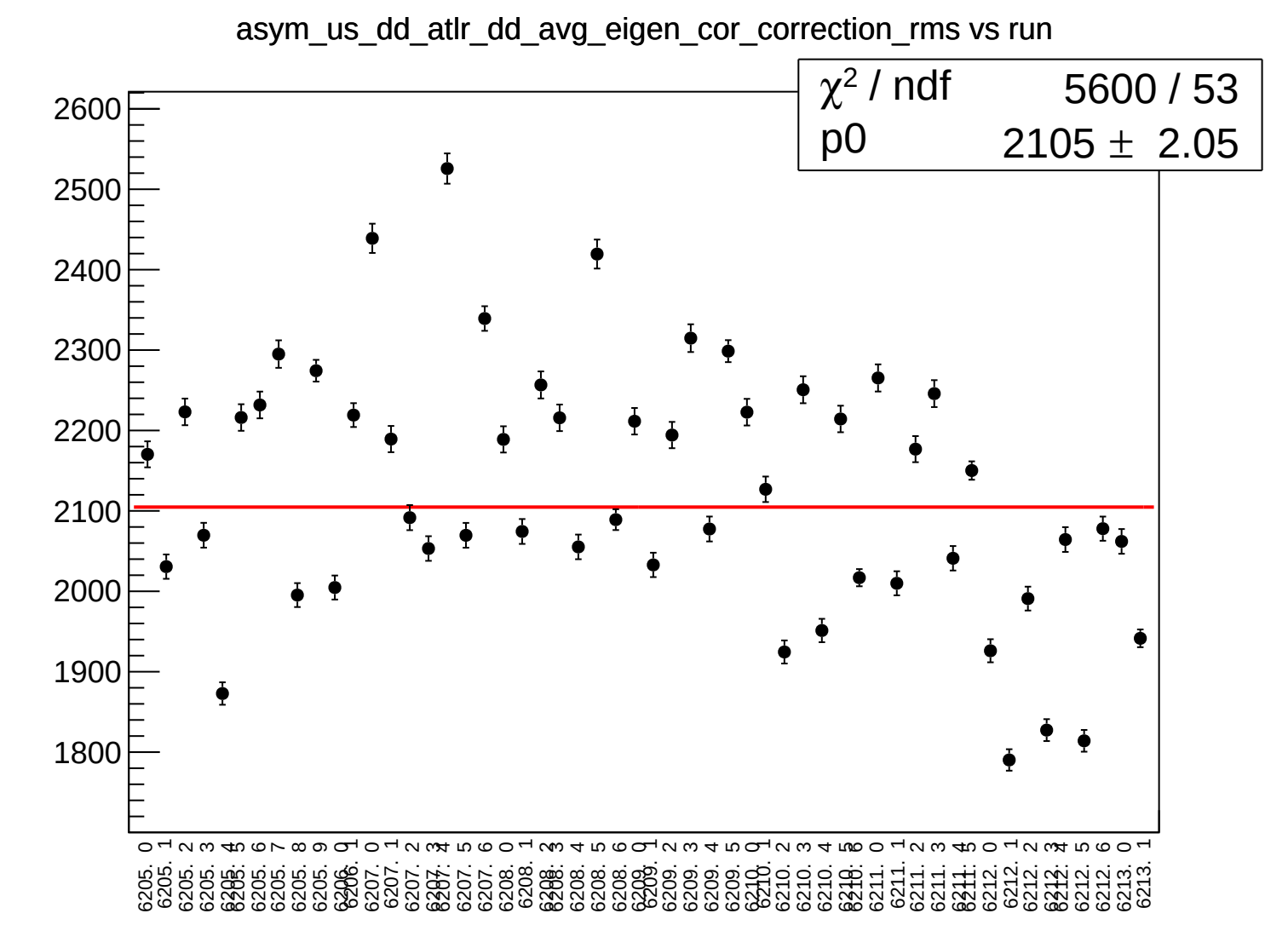

eigen_cor_asym_us_dd_atlr_dd_avg_mean vs run
χ² / ndf 42.44 / 53
p0 1743 ± 2497
pull
Entries 54
Mean −17.18
Std Dev 0


pull1D
Entries 54
Mean 0.008901
Std Dev 0.8865


eigen_cor_asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 55.78 / 53
p0 1817 ± 1.765
1860
1850
1840
1830
1820
1810
1800
1790
1780
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_us_dd_atlr_dd_avg_eigen_cor_correction_mean vs run
χ² / ndf 41.29 / 53
p0 −405.2 ± 2899
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 0.1993
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 54
Mean 0.02444
Std Dev 0.8741
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_dd_atlr_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 5600 / 53
p0 2105 ± 2.05
2600
2500
2400
2300
2200
2100
2000
1900
1800
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
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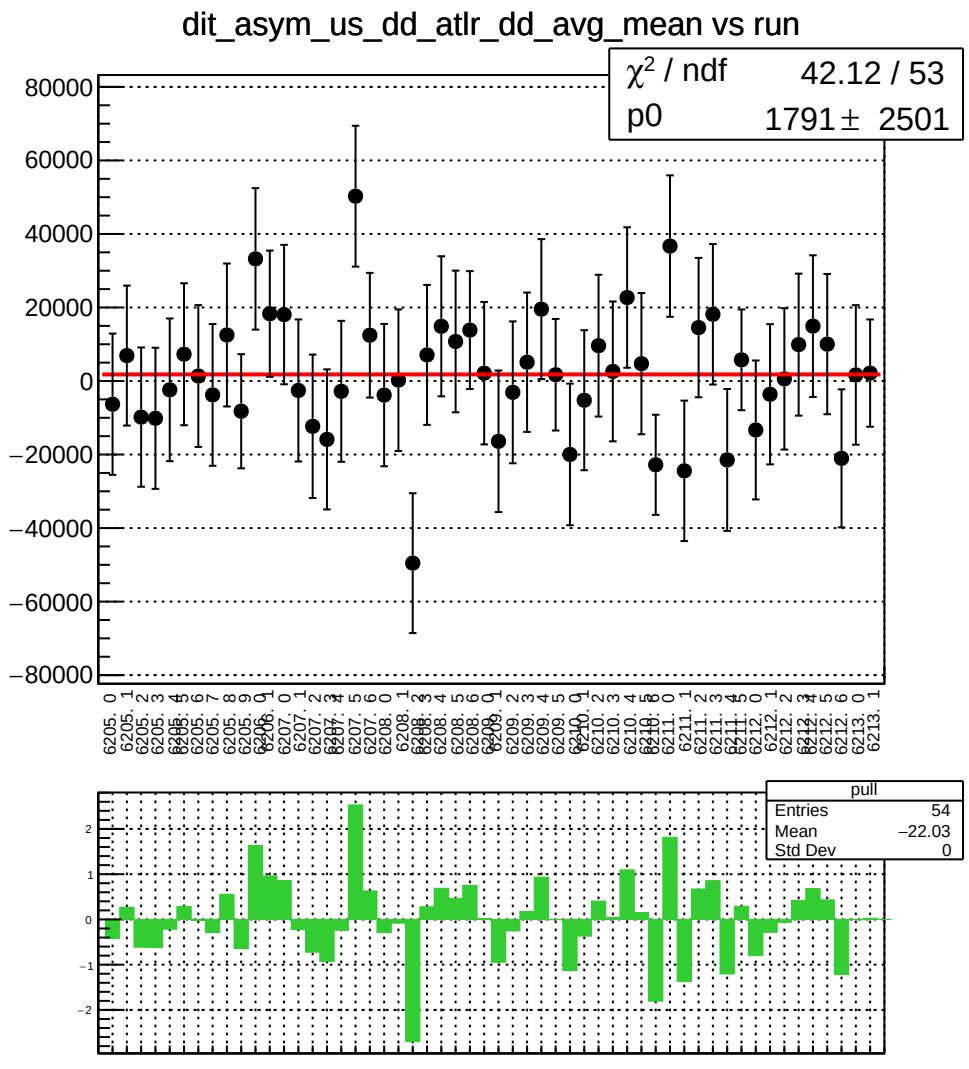
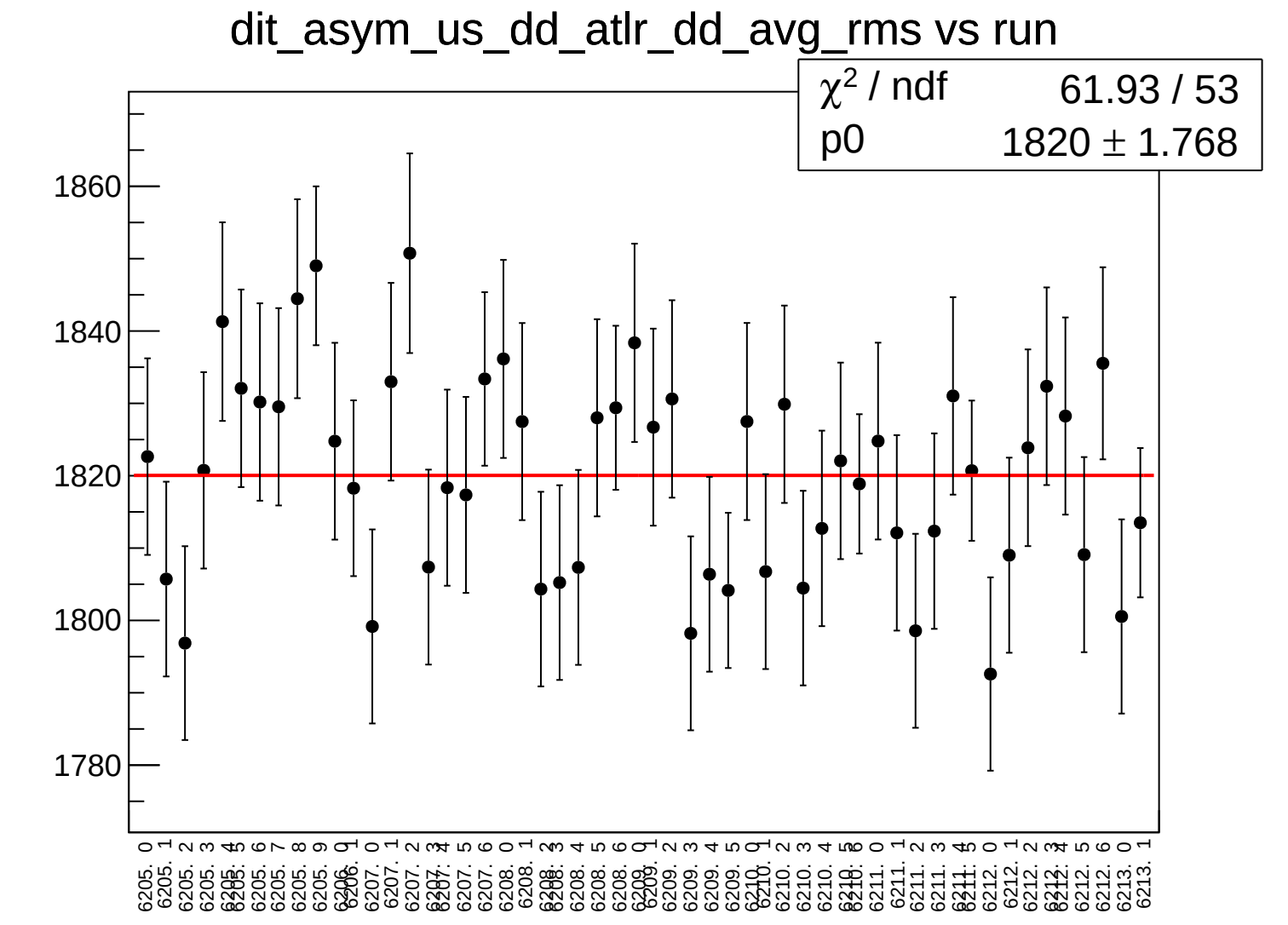
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


dit_asym_us_dd_atlr_dd_avg_mean vs run
χ² / ndf 42.12 / 53
p0 1791 ± 2501
pull
Entries 54
Mean −22.03
Std Dev 0
pull1D
Entries 54
Mean 0.008375
Std Dev 0.8832


dit_asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 61.93 / 53
p0 1820 ± 1.768
1860
1840
1820
1800
1780
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
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6212. 2
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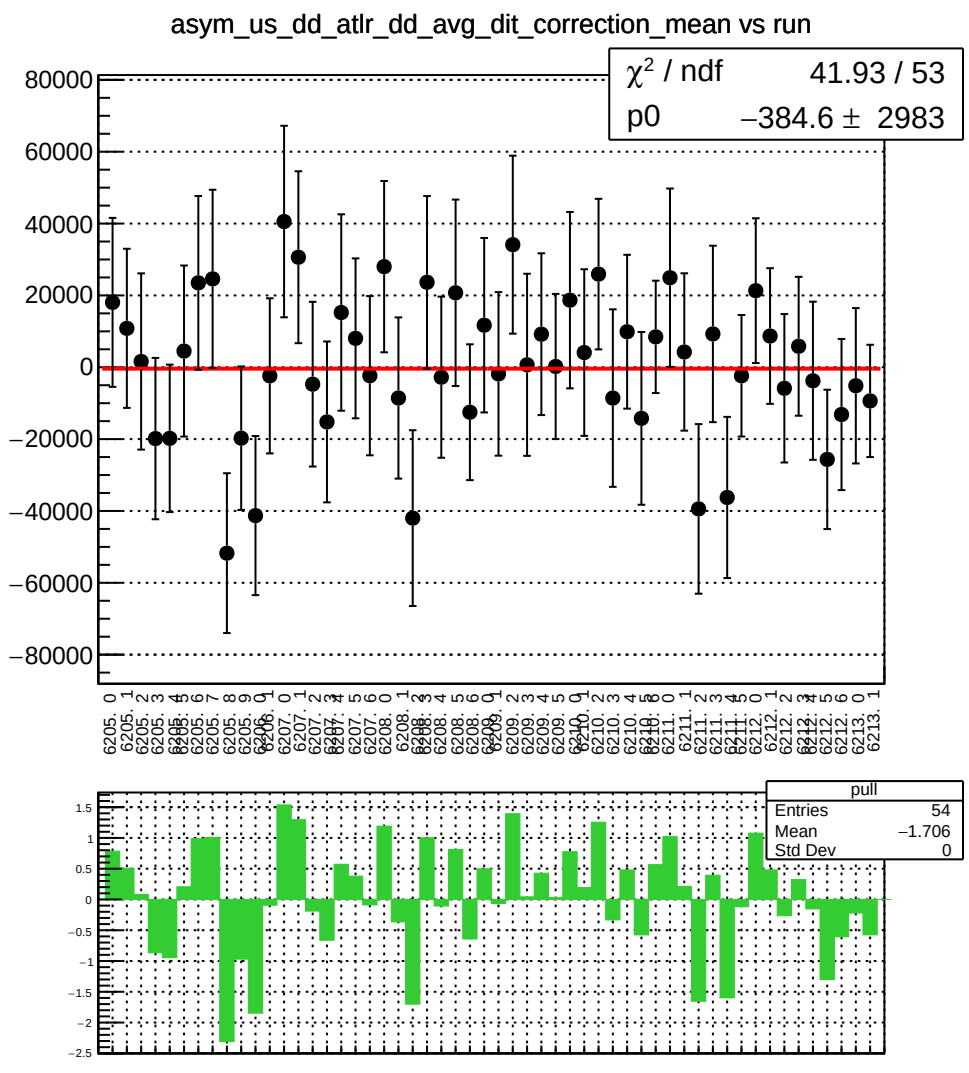
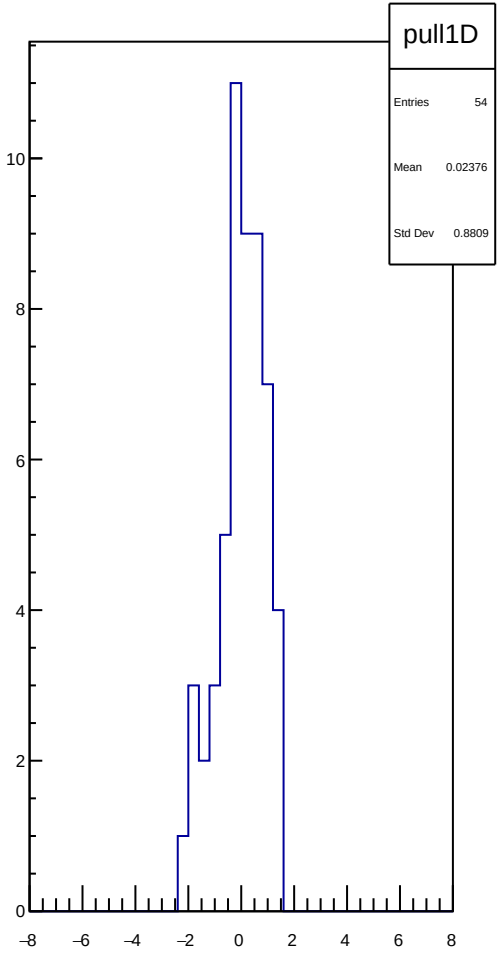
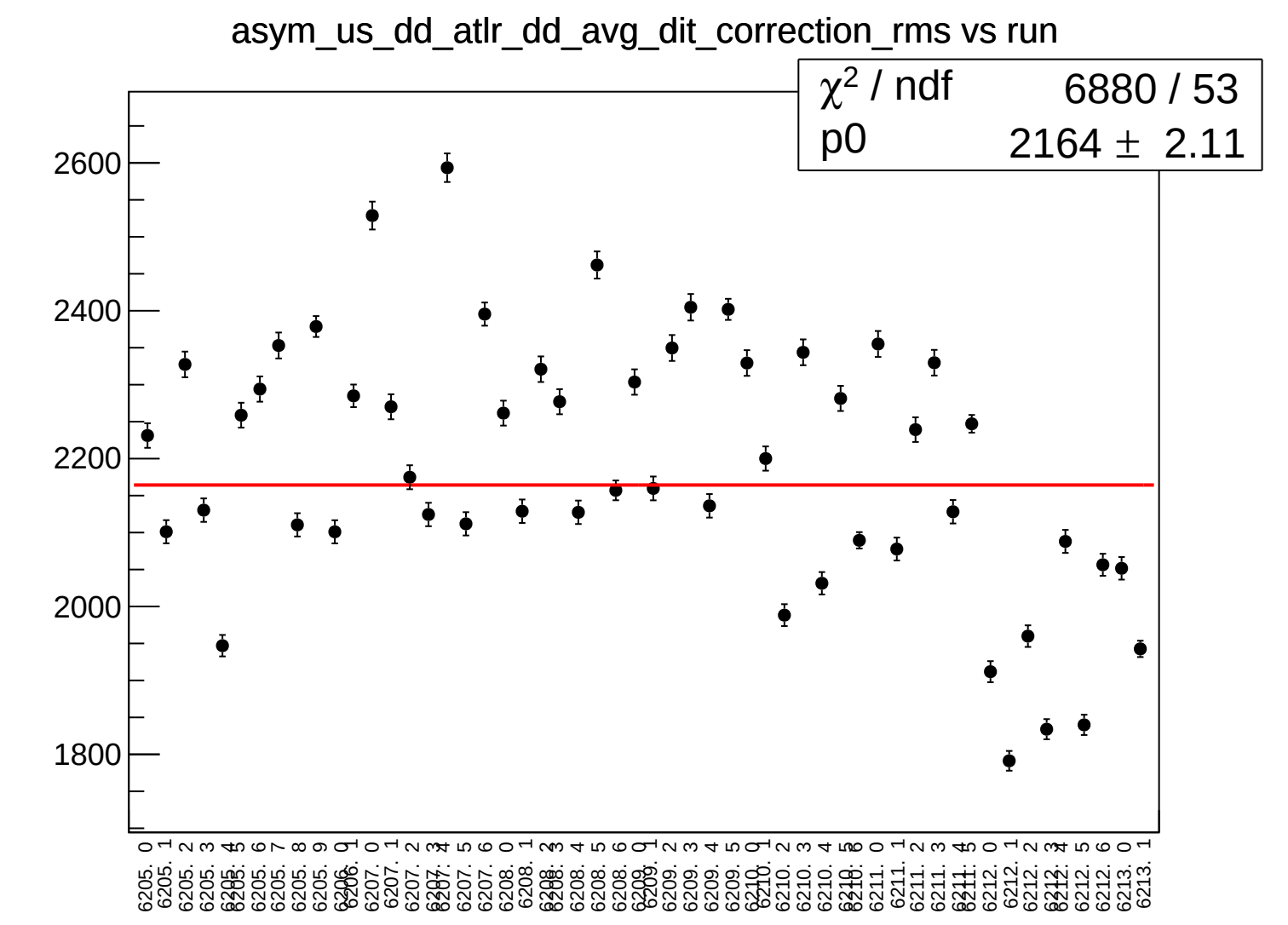
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_us_dd_atlr_dd_avg_dit_correction_mean vs run
χ² / ndf 41.93 / 53
p0 −384.6 ± 2983
pull
Entries 54
Mean −1.706
Std Dev 0


pull1D
Entries 54
Mean 0.02376
Std Dev 0.8809


asym_us_dd_atlr_dd_avg_dit_correction_rms vs run
χ² / ndf 6880 / 53
p0 2164 ± 2.11
2600
2400
2200
2000
1800
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
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6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
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6210. 2
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6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
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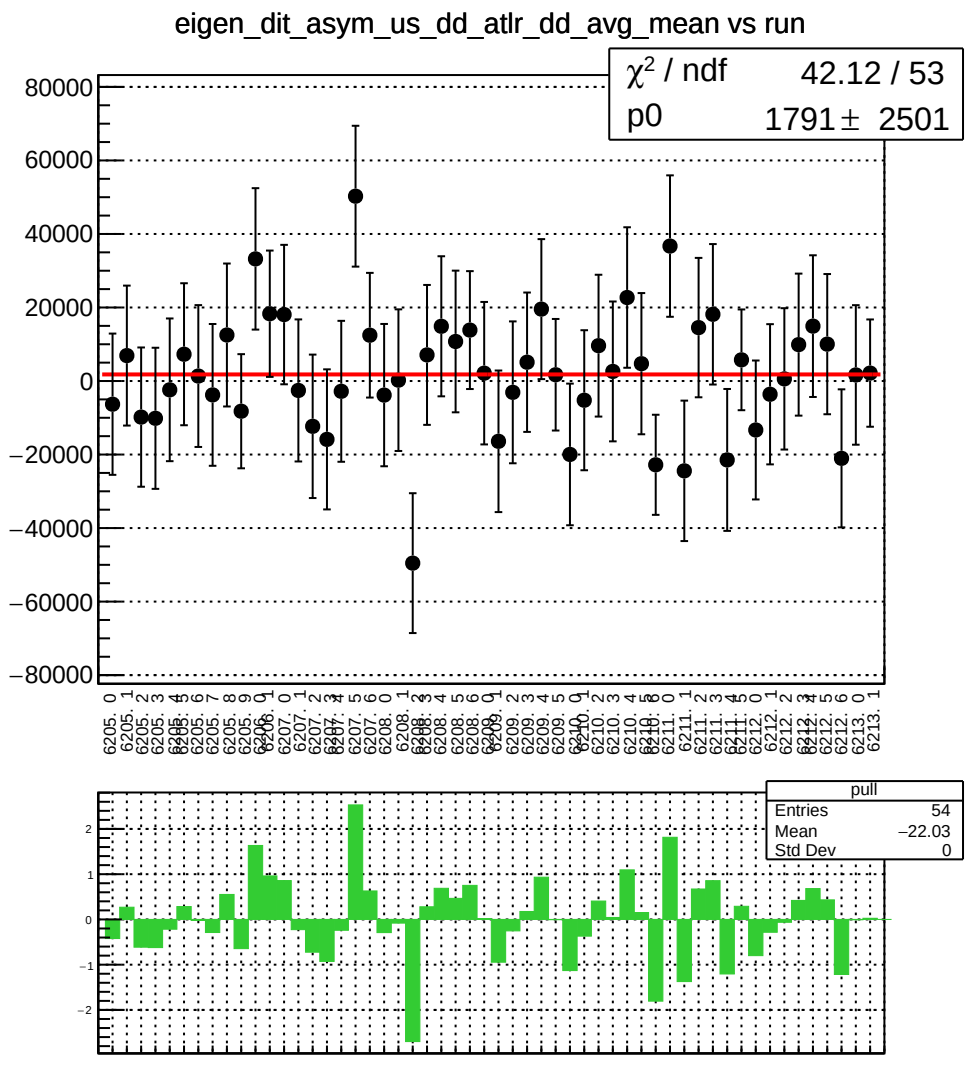
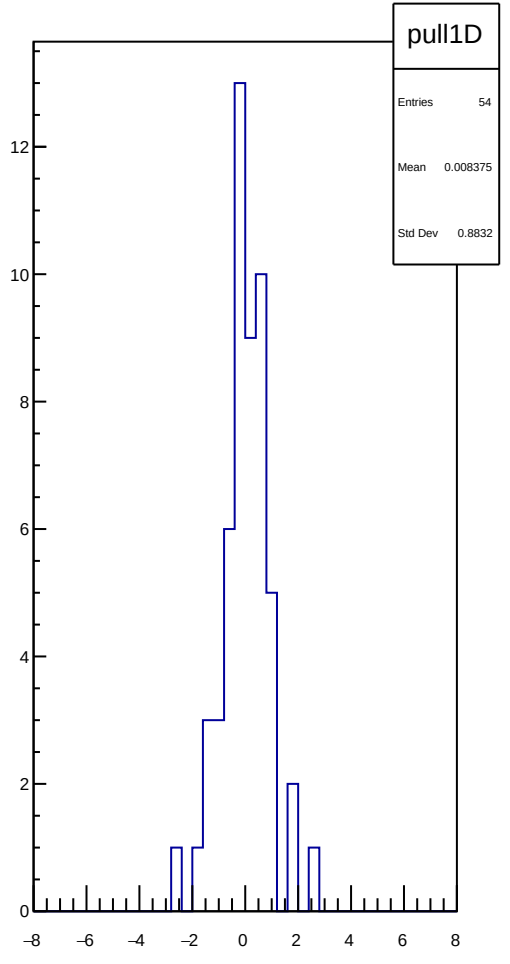
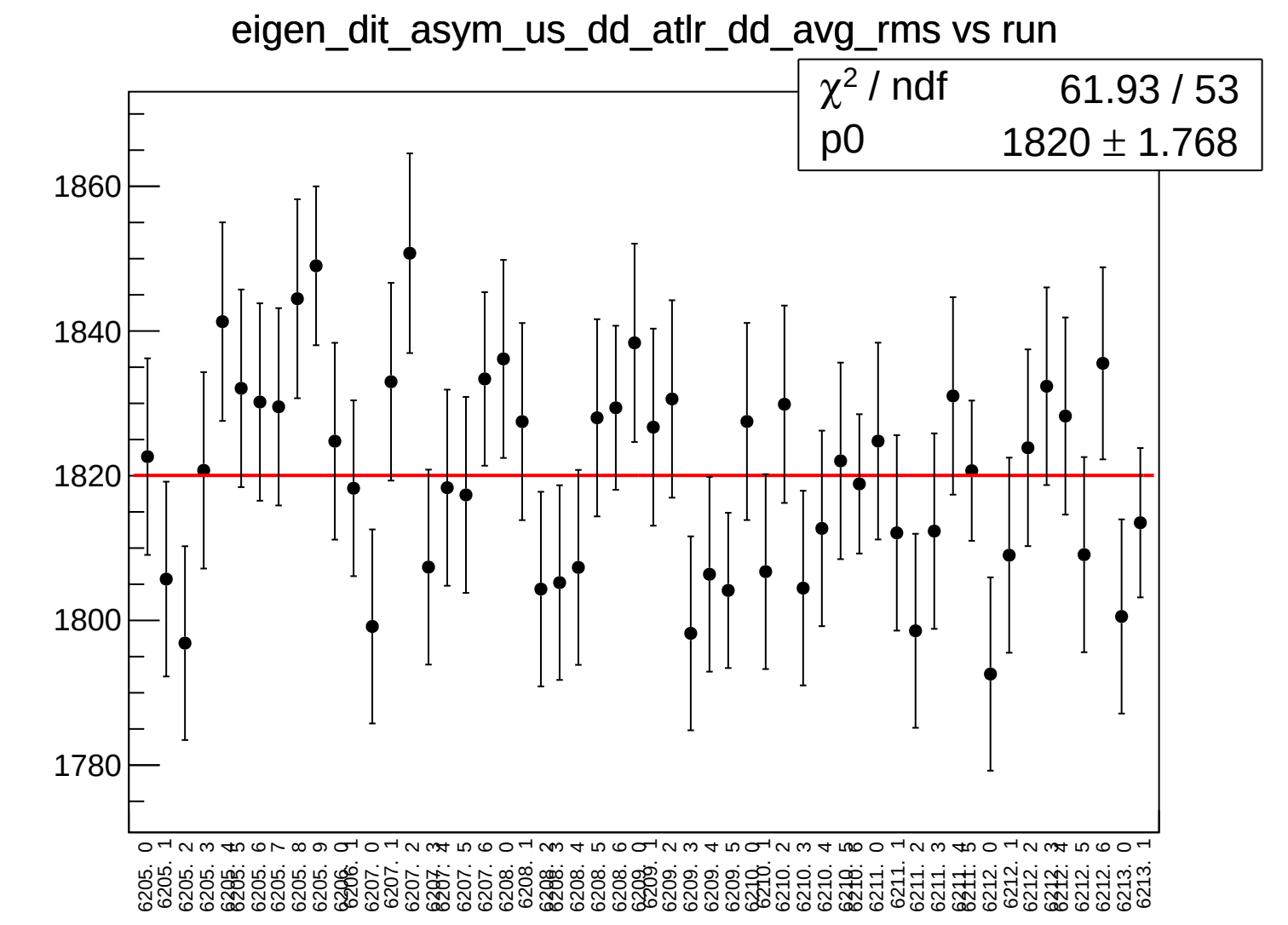
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


eigen_dit_asym_us_dd_atlr_dd_avg_mean vs run
χ² / ndf 42.12 / 53
p0 1791 ± 2501
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 54
Mean −22.03
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 54
Mean 0.008375
Std Dev 0.8832
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_dit_asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 61.93 / 53
p0 1820 ± 1.768
1860
1840
1820
1800
1780
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
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6210. 6
6211. 0
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6211. 2
6211. 3
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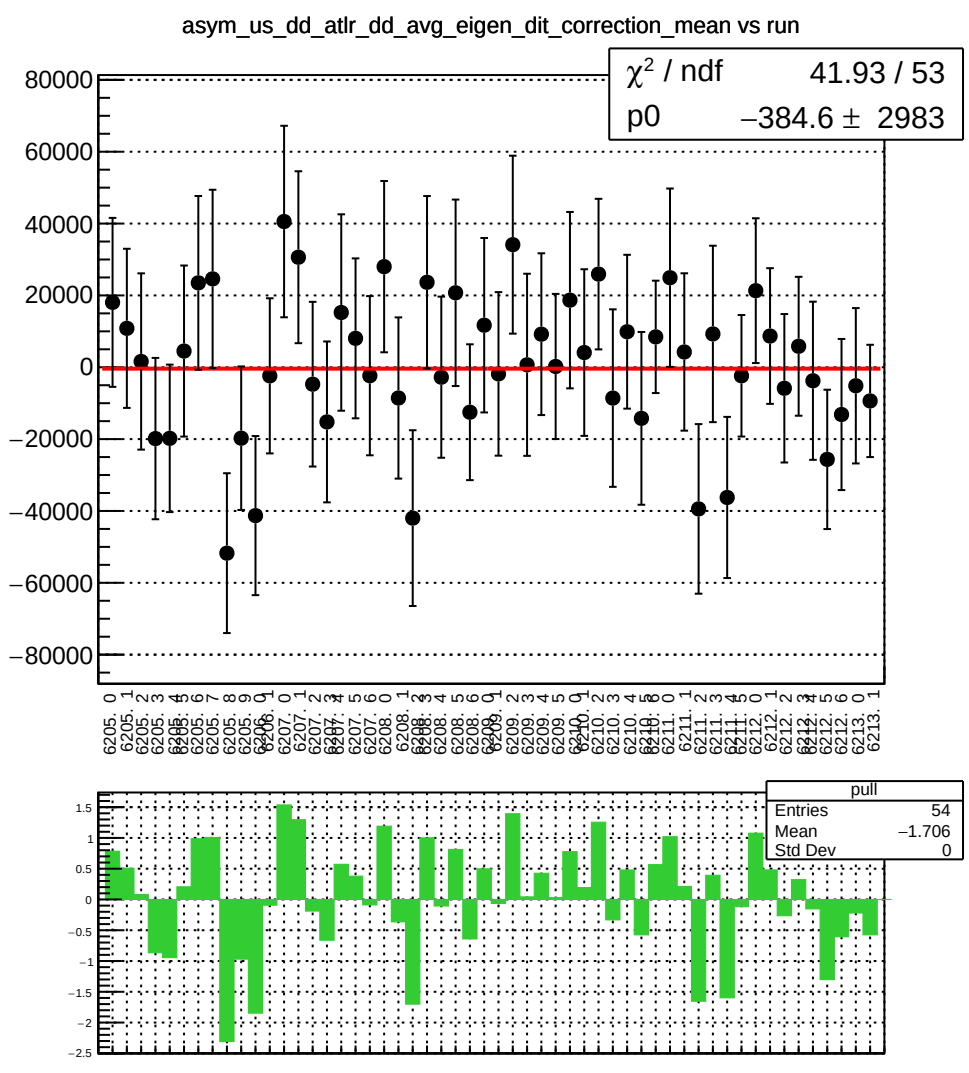
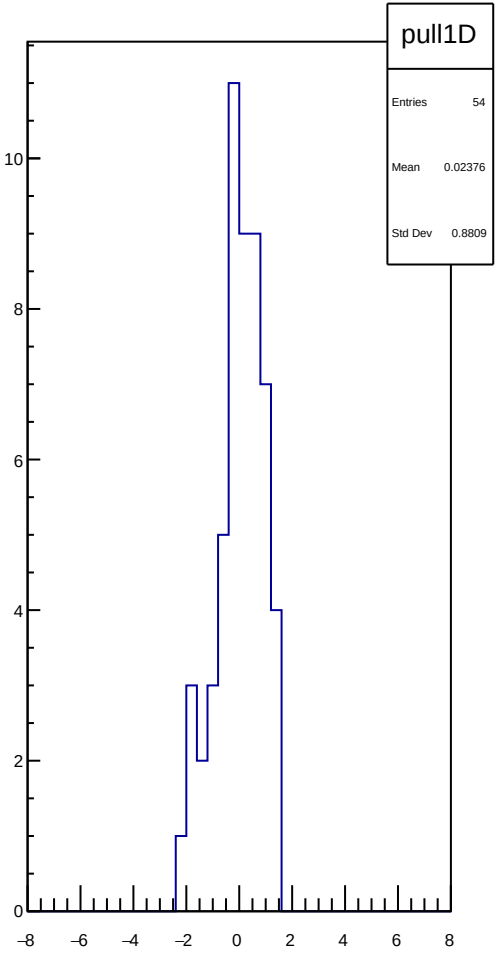
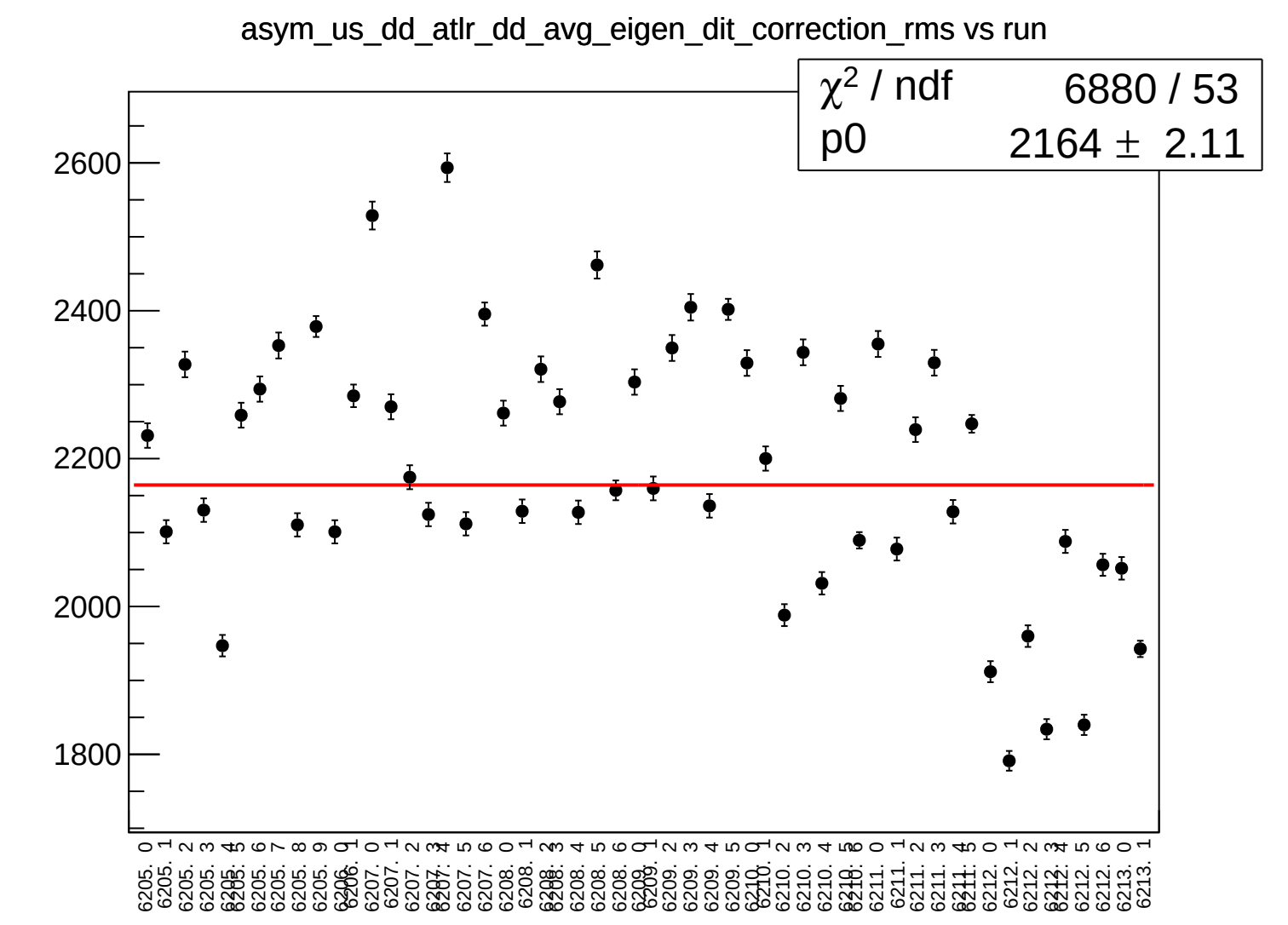
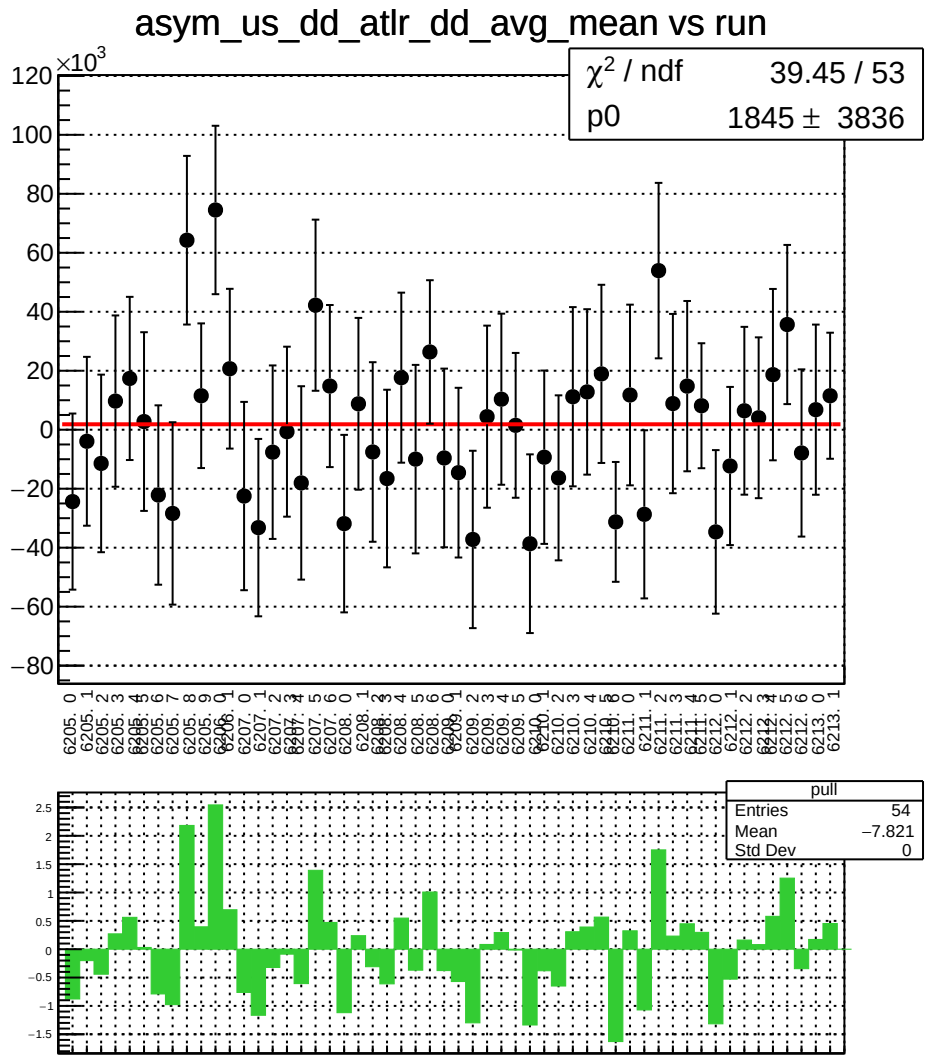
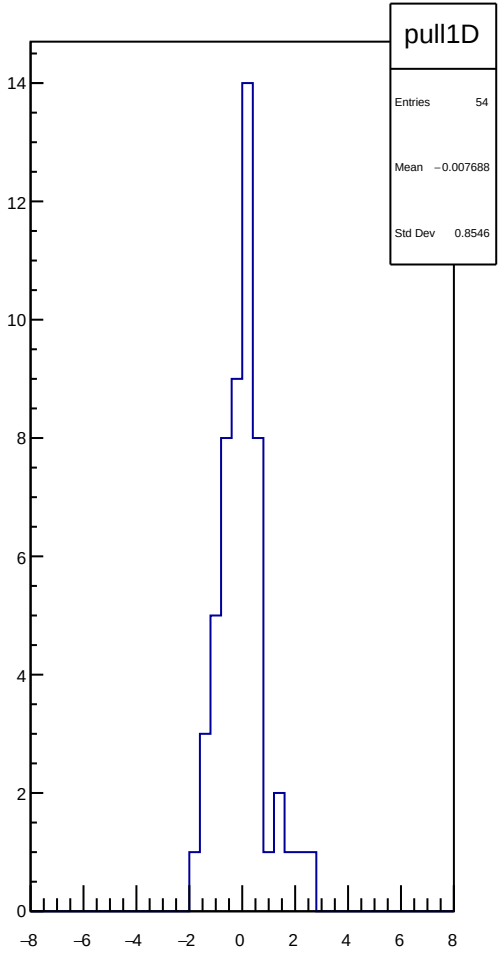
6213. 1

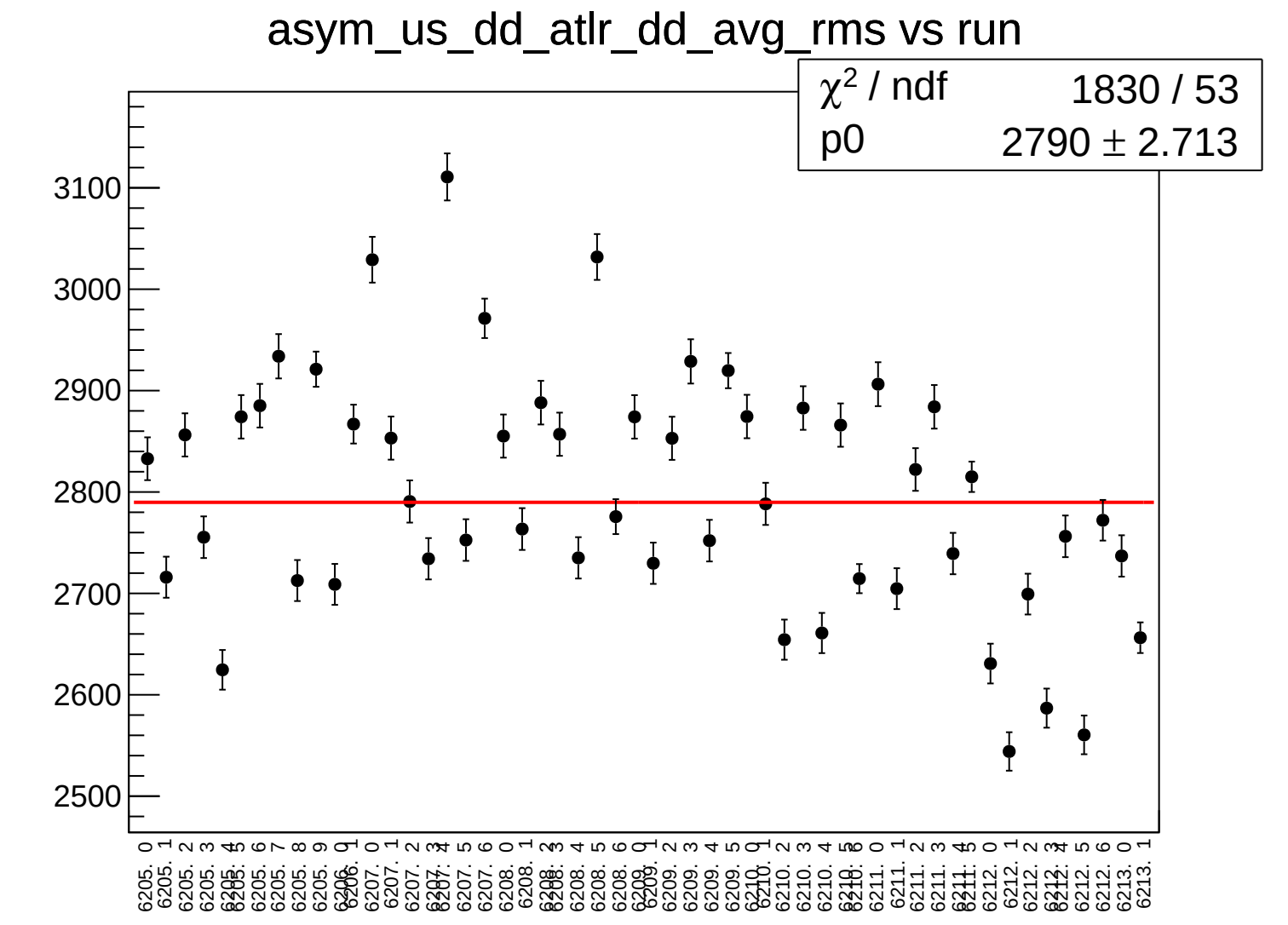

asym_us_dd_atlr_dd_avg_eigen_dit_correction_mean vs run
χ² / ndf 41.93 / 53
p0 −384.6 ± 2983
pull
Entries 54
Mean −1.706
Std Dev 0

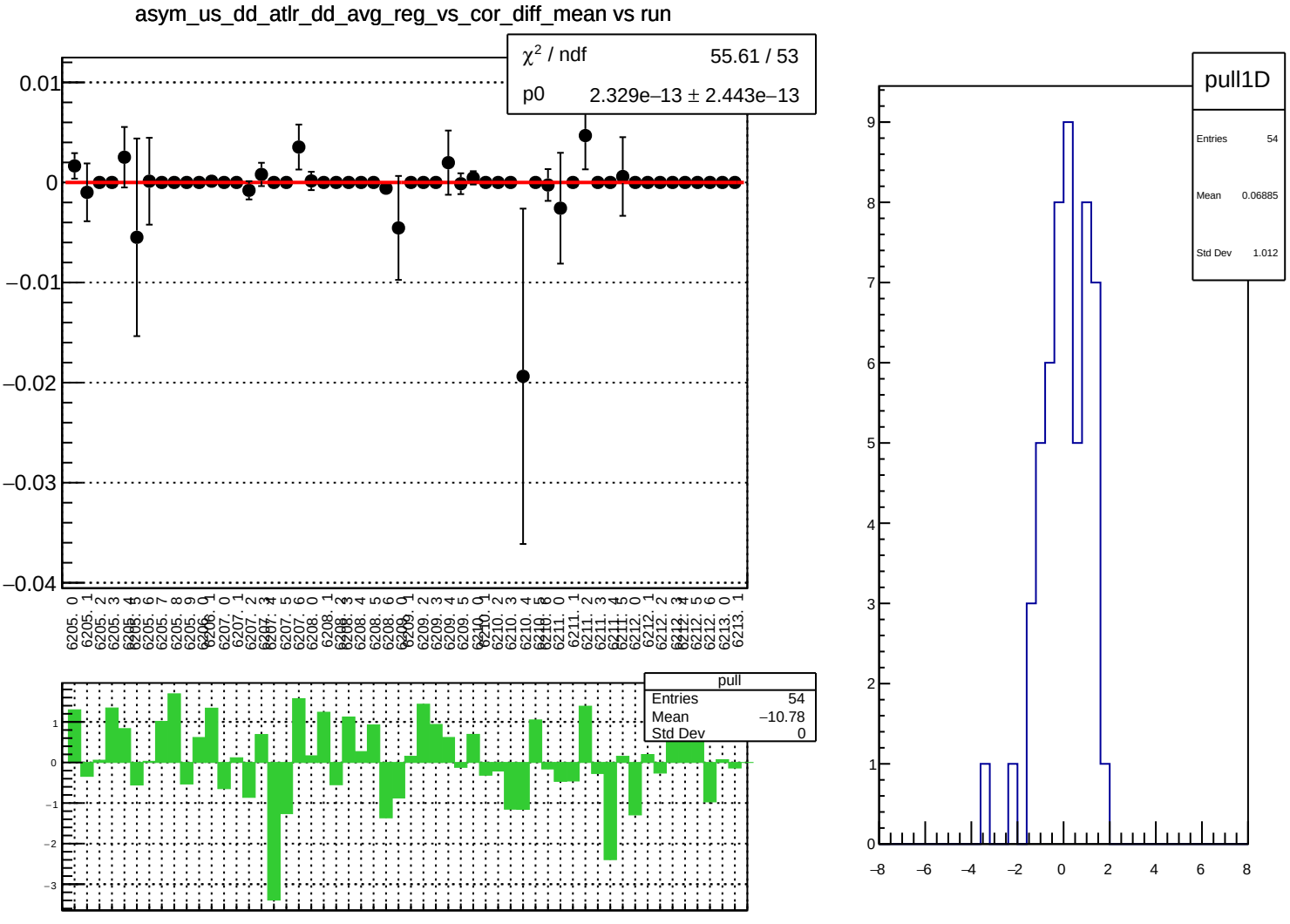

pull1D
Entries 54
Mean 0.02376
Std Dev 0.8809

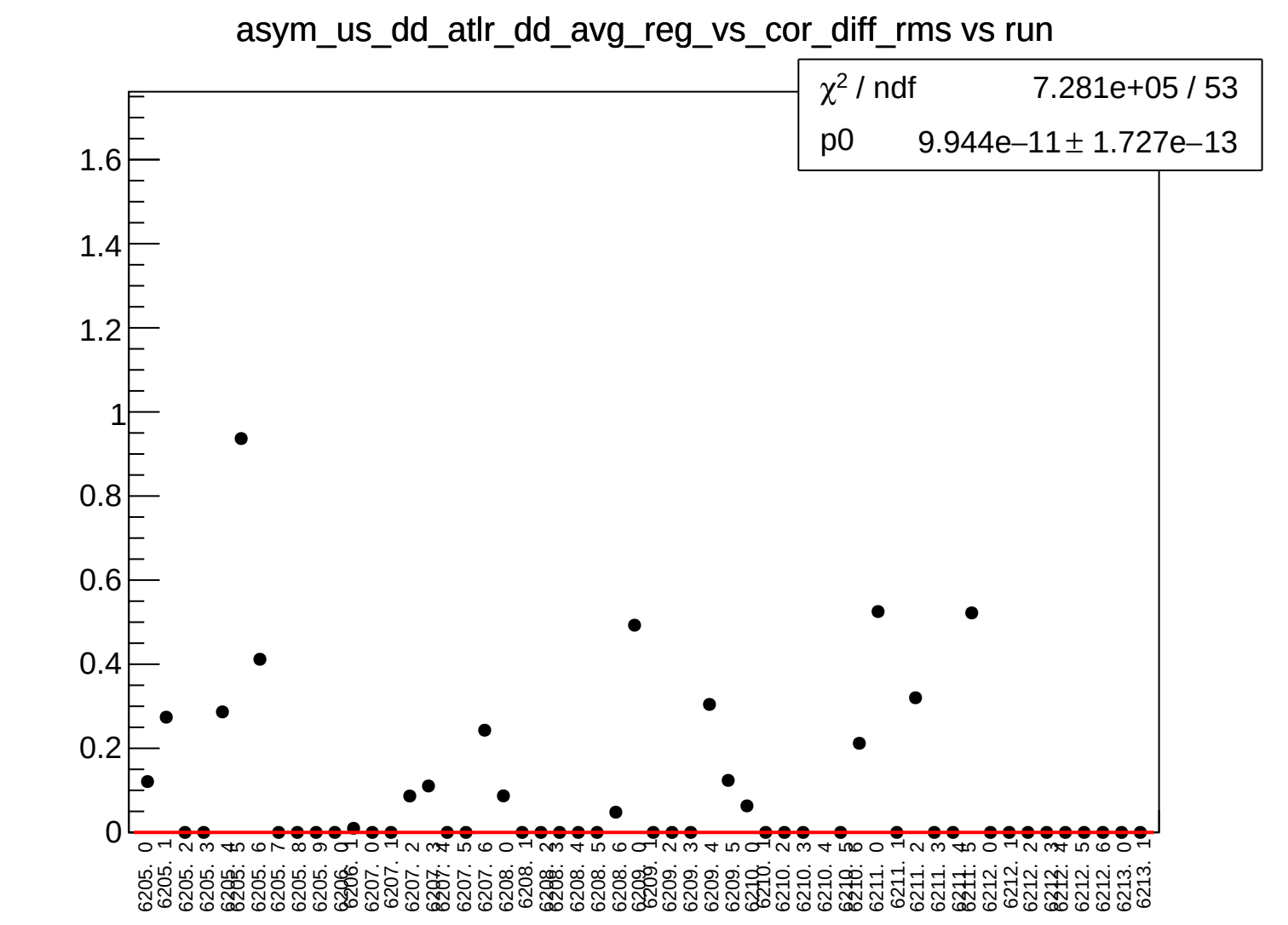

asym_us_dd_atlr_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 6880 / 53
p0 2164 ± 2.11
2600
2400
2200
2000
1800
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

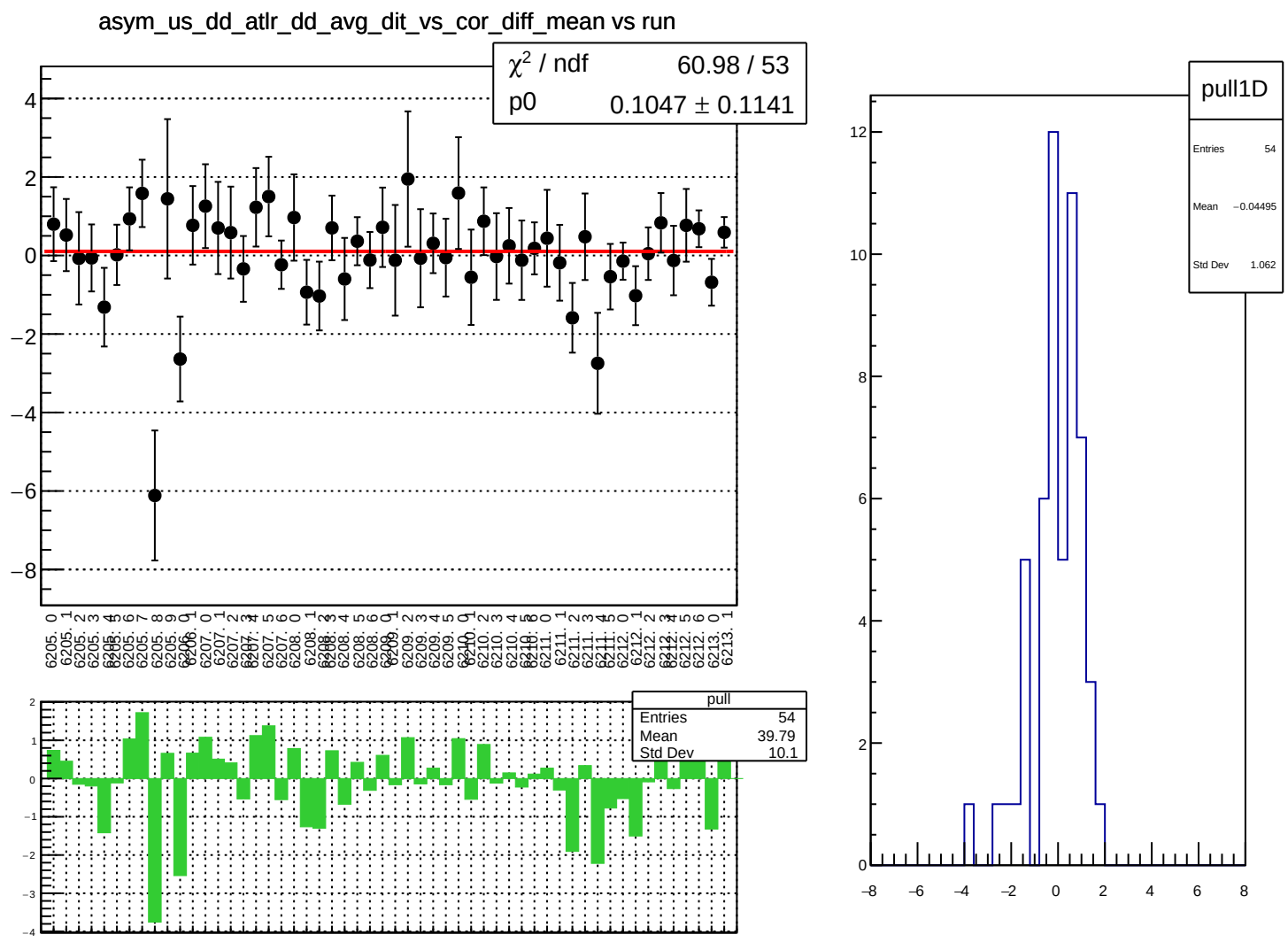

asym_us_dd_atlr_dd_avg_mean vs run
×10^3
χ² / ndf 39.45 / 53
p0 1845 ± 3836
pull
Entries 54
Mean −7.821
Std Dev 0

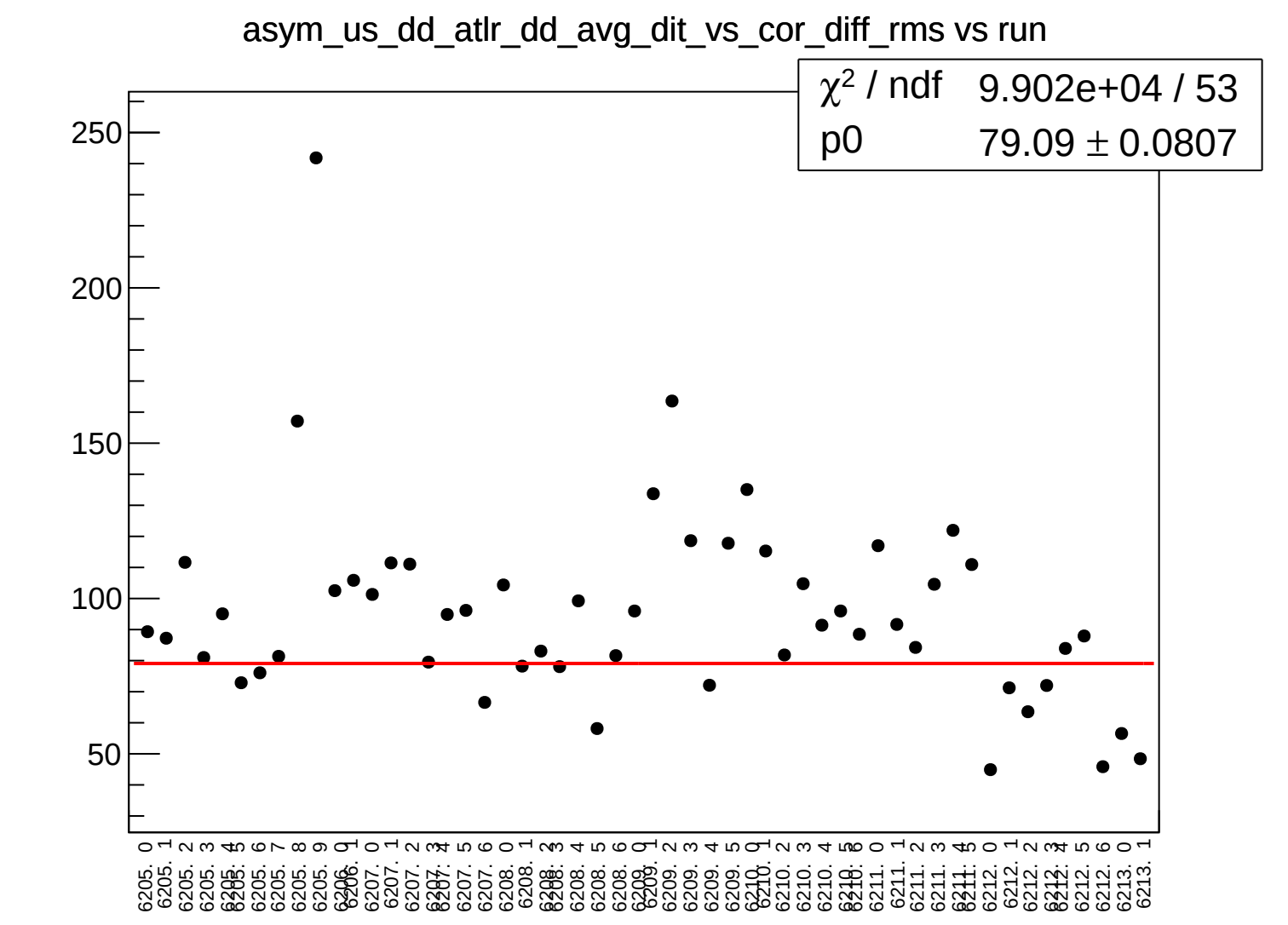

pull1D
Entries 54
Mean −0.007688
Std Dev 0.8546

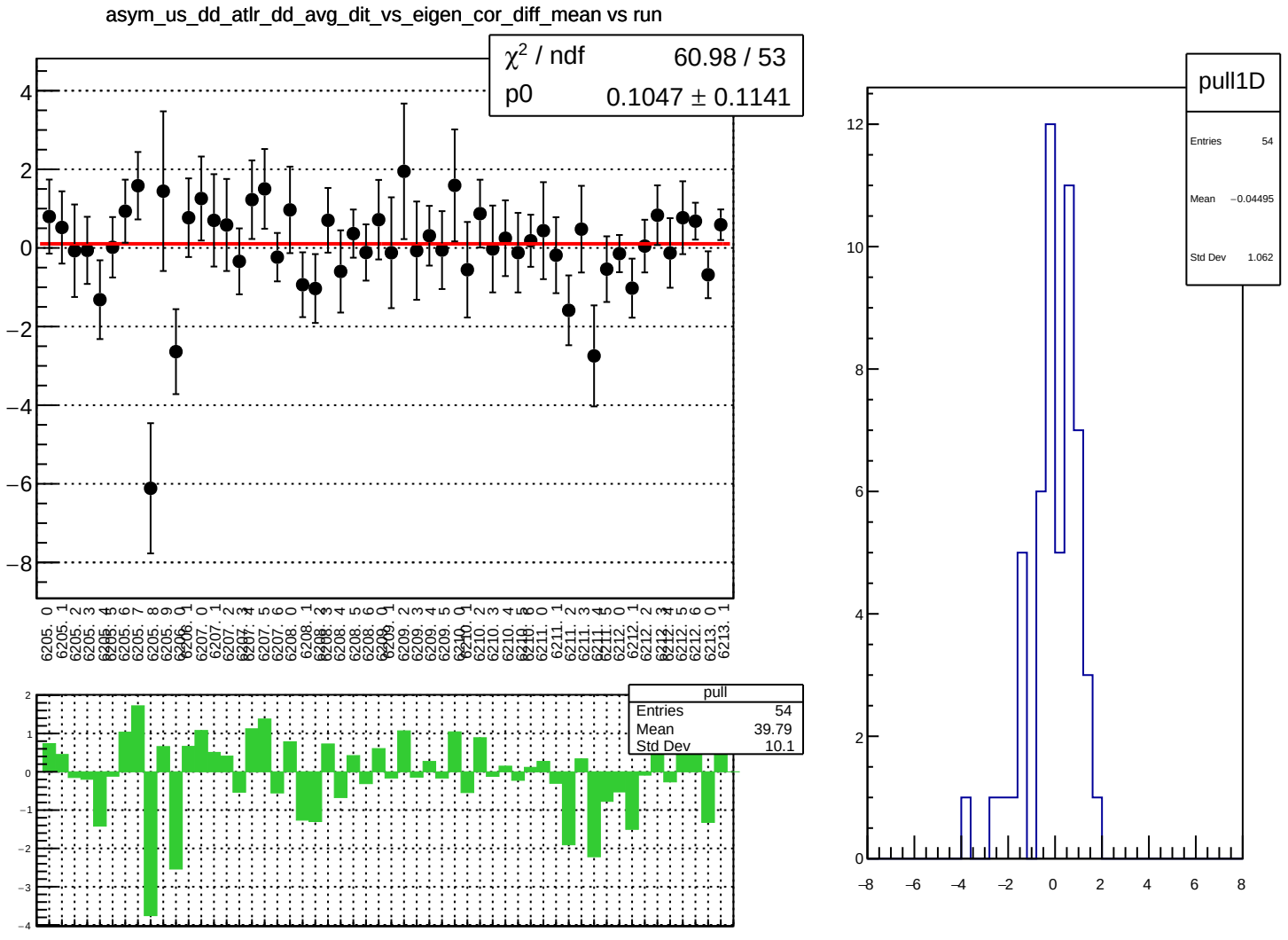

asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 1830 / 53
p0 2790 ± 2.713
3100
3000
2900
2800
2700
2600
2500
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

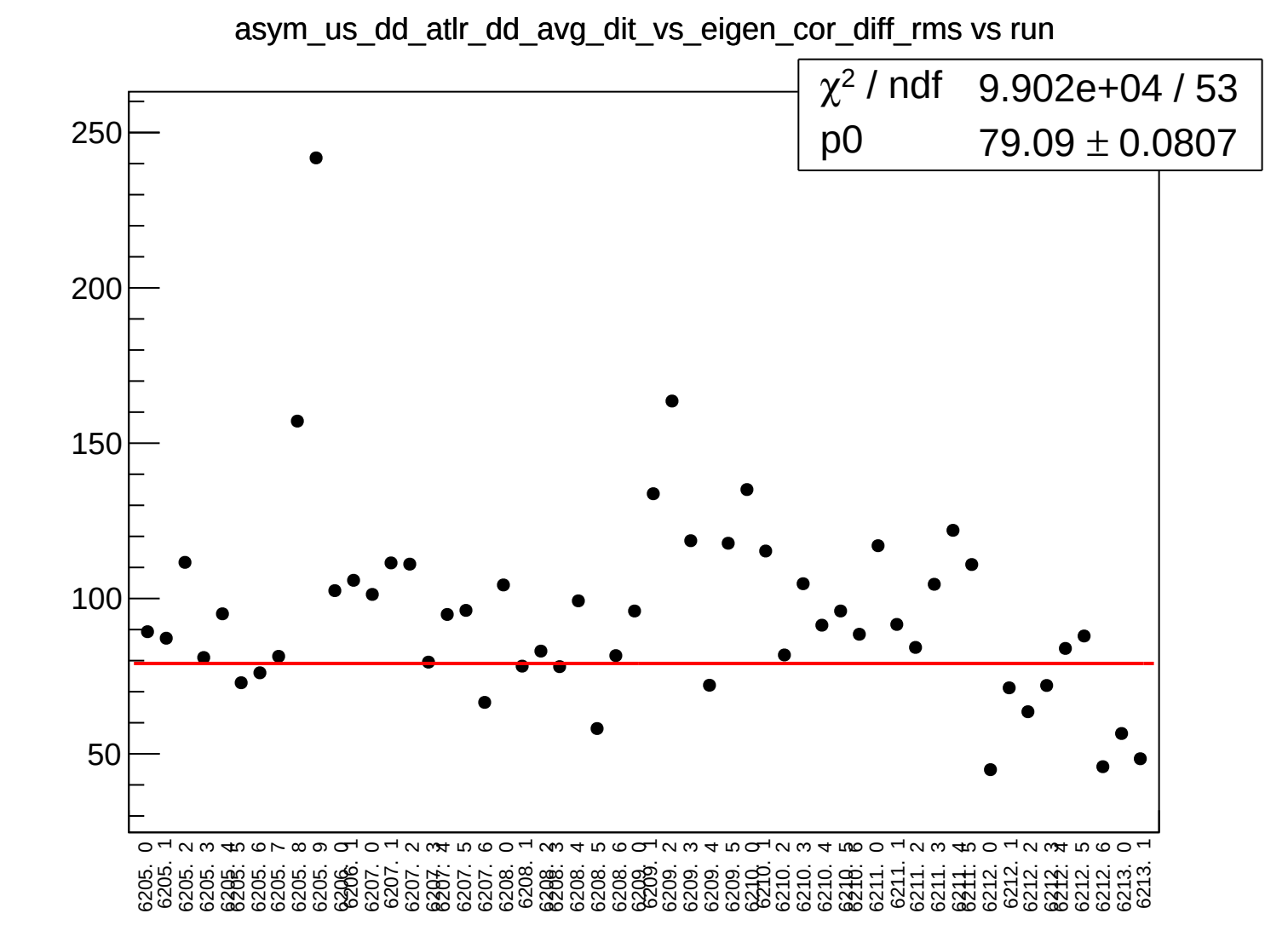

asym_us_dd_atlr_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 55.61 / 53
p0 2.329e−13 ± 2.443e−13
0.01
0
−0.01
−0.02
−0.03
−0.04
pull
Entries 54
Mean −10.78
Std Dev 0
pull1D
Entries 54
Mean 0.06885
Std Dev 1.012

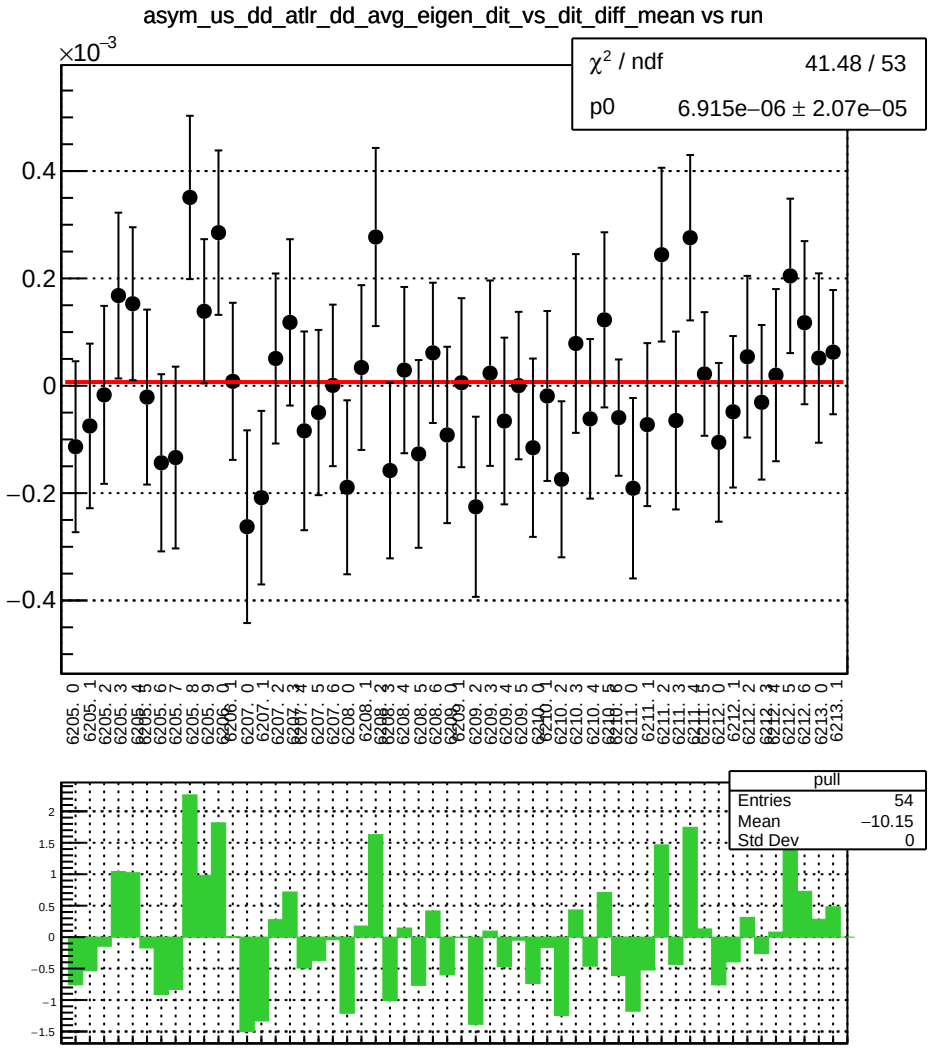

asym_us_dd_atlr_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 7.281e+05 / 53
p0 9.944e−11 ± 1.727e−13
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 0
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

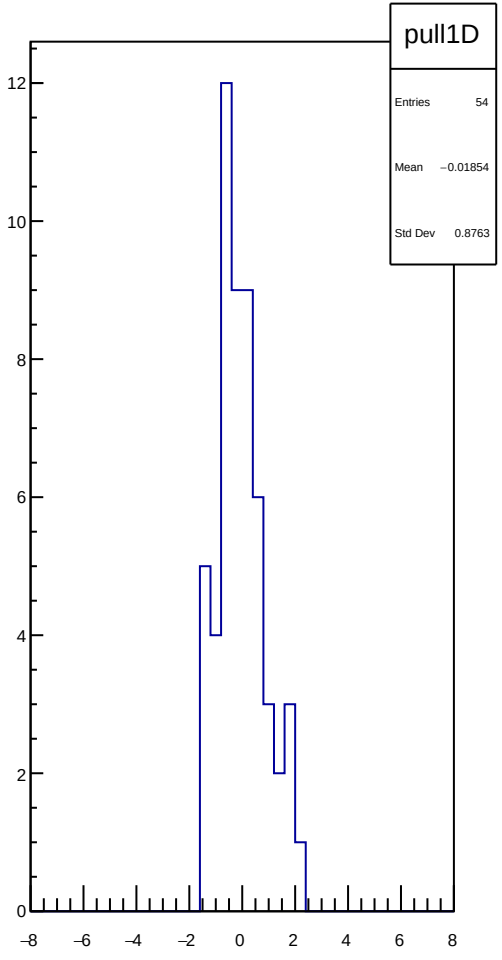

asym_us_dd_atlr_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 60.98 / 53
p0 0.1047 ± 0.1141
pull
Entries 54
Mean 39.79
Std Dev 10.1
pull1D
Entries 54
Mean −0.04495
Std Dev 1.062

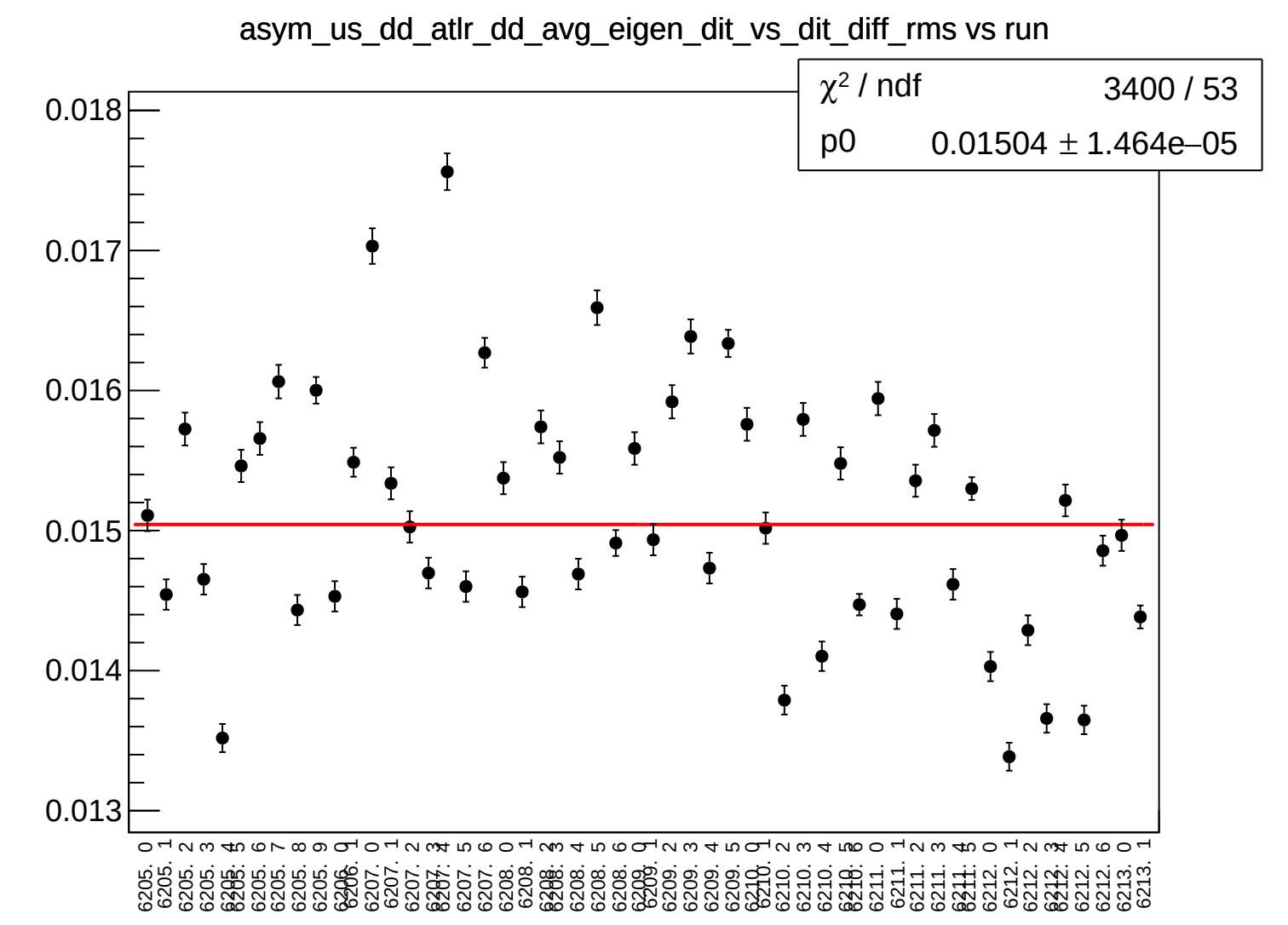

asym_us_dd_atlr_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 9.902e+04 / 53
p0 79.09 ± 0.0807
250
200
150
100
50
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

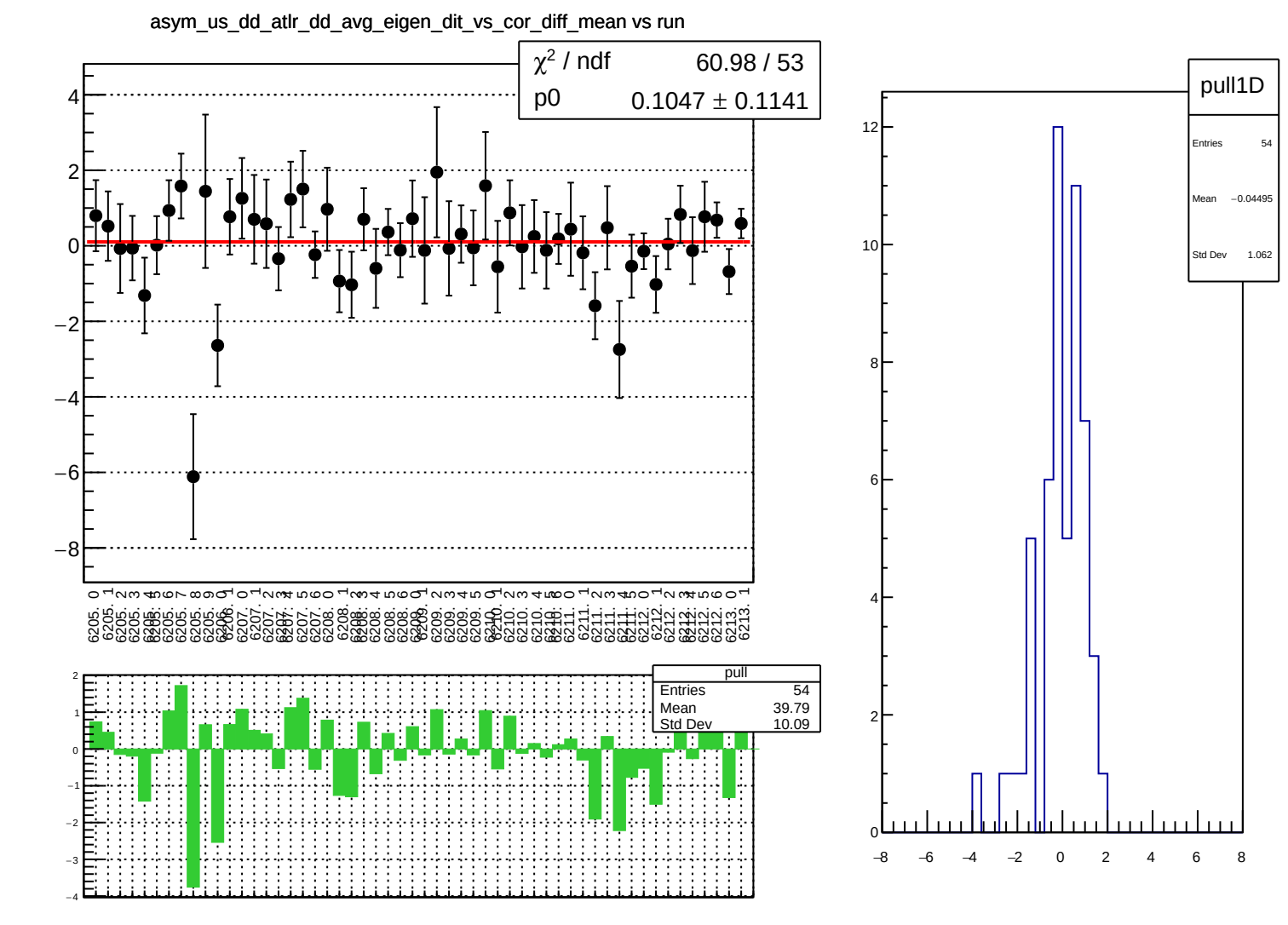

asym_us_dd_atlr_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 60.98 / 53
p0 0.1047 ± 0.1141
pull
Entries 54
Mean 39.79
Std Dev 10.1
pull1D
Entries 54
Mean −0.04495
Std Dev 1.062

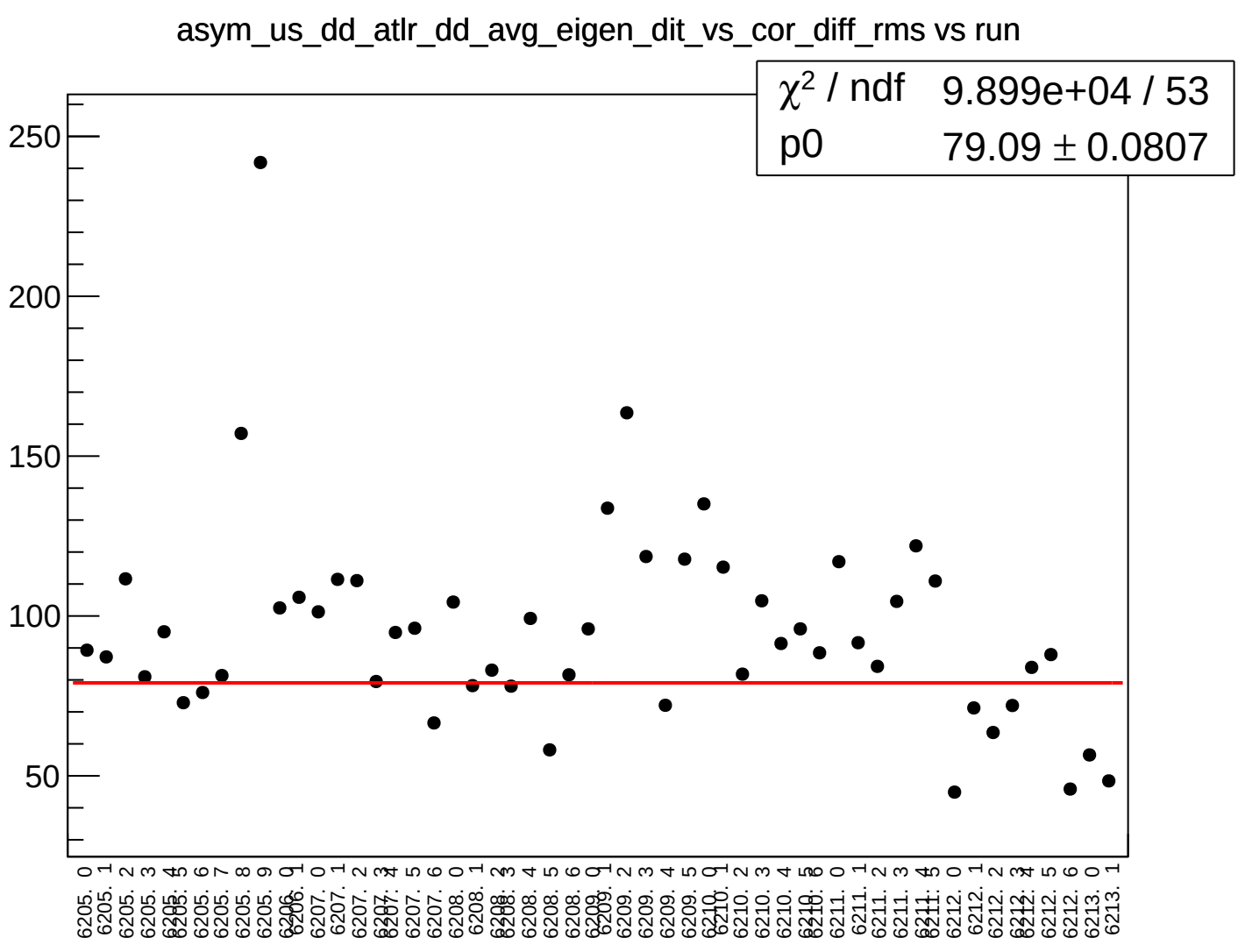

asym_us_dd_atlr_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.902e+04 / 53
p0 79.09 ± 0.0807
250
200
150
100
50
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_us_dd_atlr_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 41.48 / 53
p0 6.915e−06 ± 2.07e−05
pull
Entries 54
Mean −10.15
Std Dev 0


pull1D
Entries 54
Mean −0.01854
Std Dev 0.8763


asym_us_dd_atlr_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3400 / 53
p0 0.01504 ± 1.464e−05
0.018
0.017
0.016
0.015
0.014
0.013
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 60.98 / 53
p0 0.1047 ± 0.1141
pull
Entries 54
Mean 39.79
Std Dev 10.09
pull1D
Entries 54
Mean −0.04495
Std Dev 1.062


asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 9.899e+04 / 53
p0 79.09 ± 0.0807
250
200
150
100
50
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
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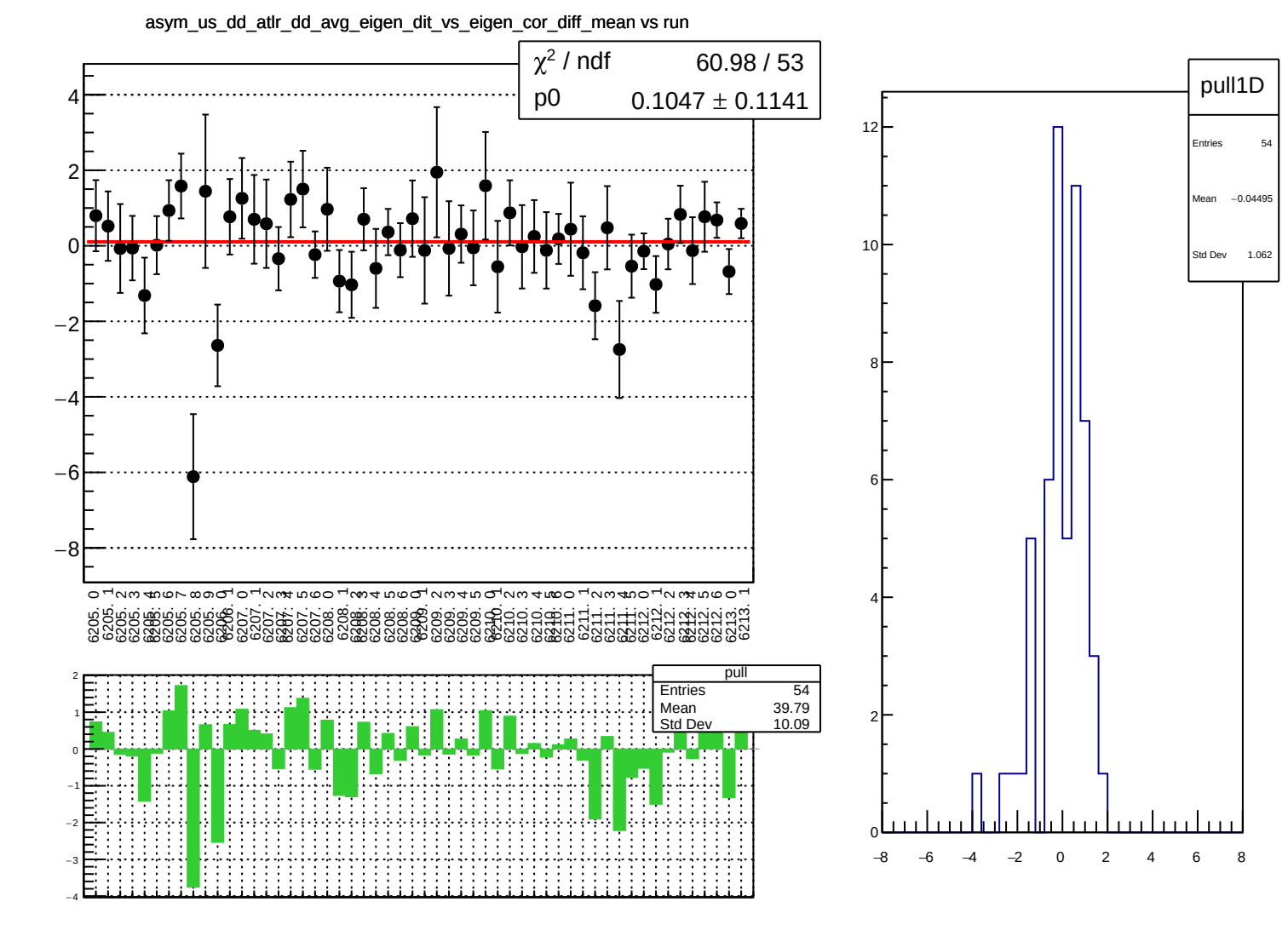
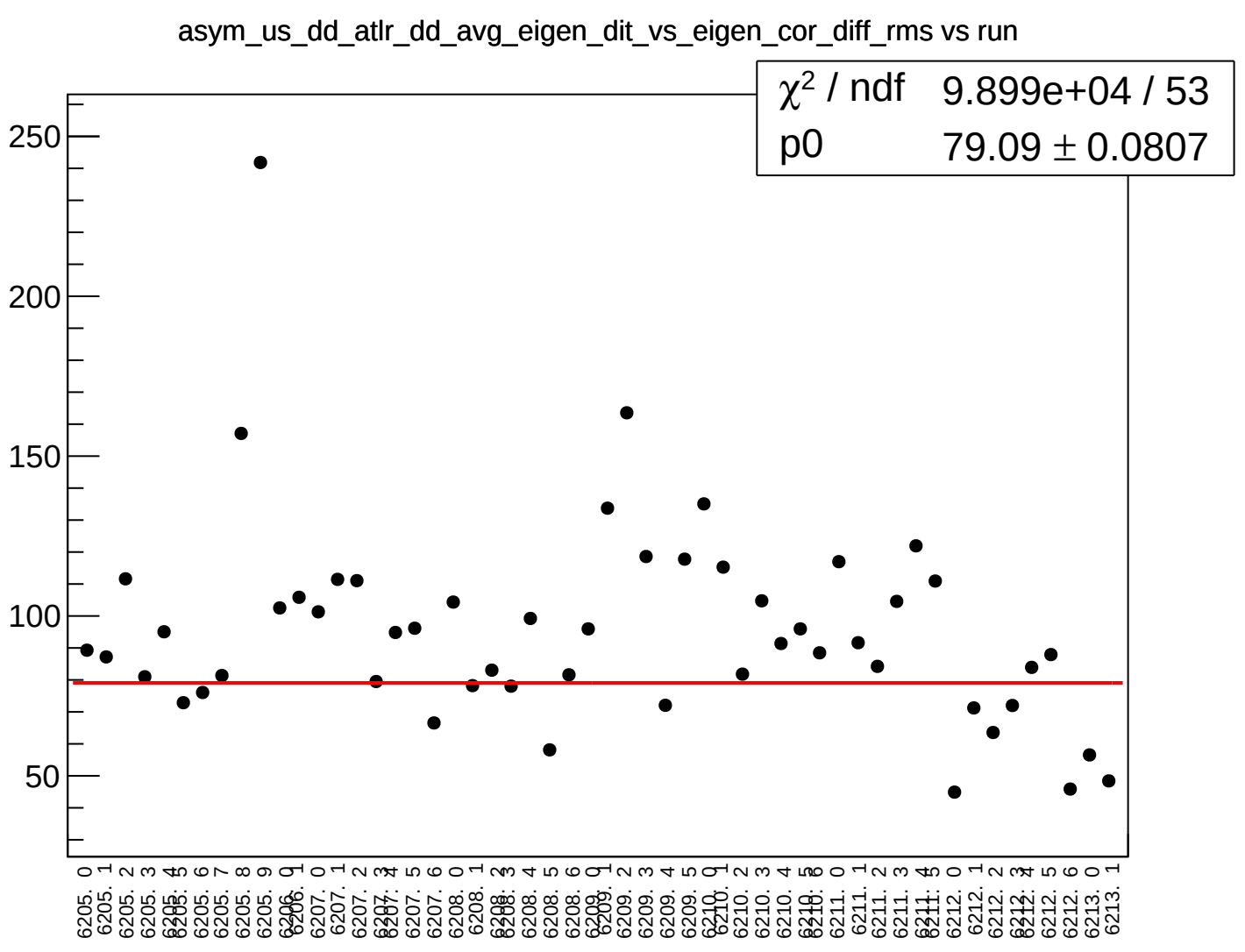
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 60.98 / 53
p0 0.1047 ± 0.1141
pull
Entries 54
Mean 39.79
Std Dev 10.09
pull1D
Entries 54
Mean −0.04495
Std Dev 1.062


asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.899e+04 / 53
p0 79.09 ± 0.0807
250
200
150
100
50
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
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6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
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6211. 4
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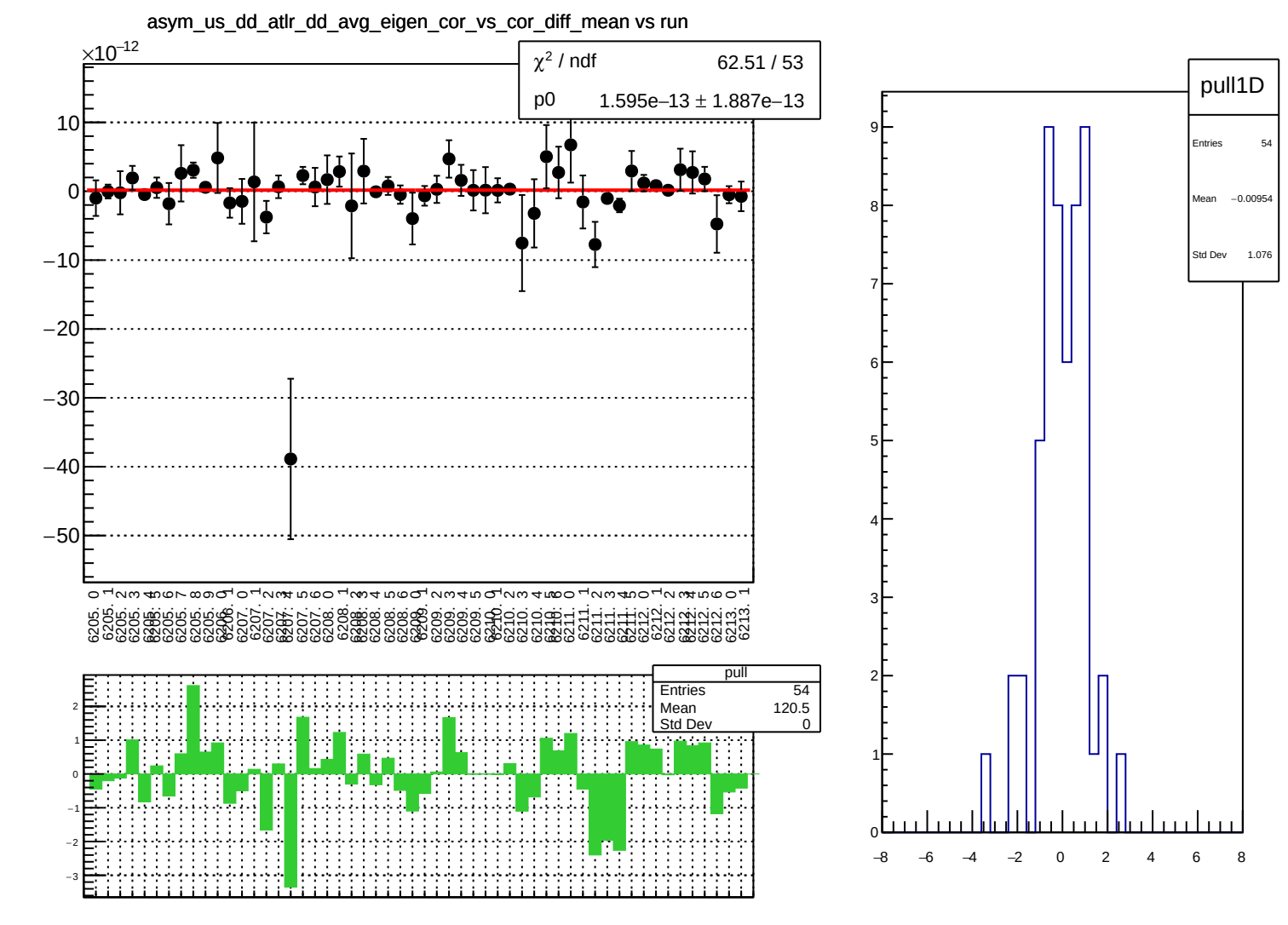
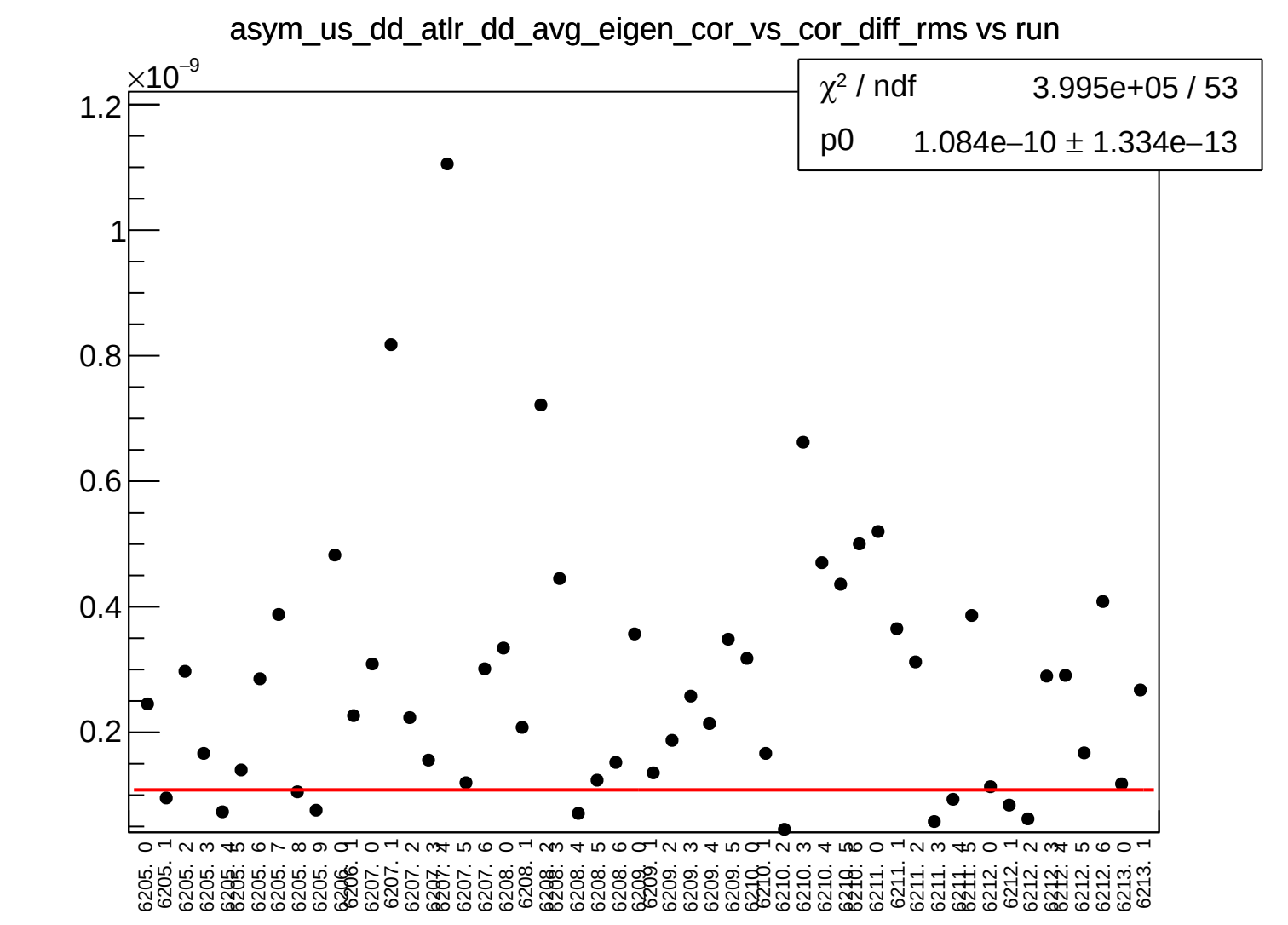
6212. 6
6213. 0
6213. 1


asym_us_dd_atlr_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 62.51 / 53
p0 1.595e−13 ± 1.887e−13
pull
Entries 54
Mean 120.5
Std Dev 0
pull1D
Entries 54
Mean −0.00954
Std Dev 1.076


asym_us_dd_atlr_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.995e+05 / 53
p0 1.084e−10 ± 1.334e−13
1.2
1
0.8
0.6
0.4
0.2
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 1
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
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6211. 3
6212. 0
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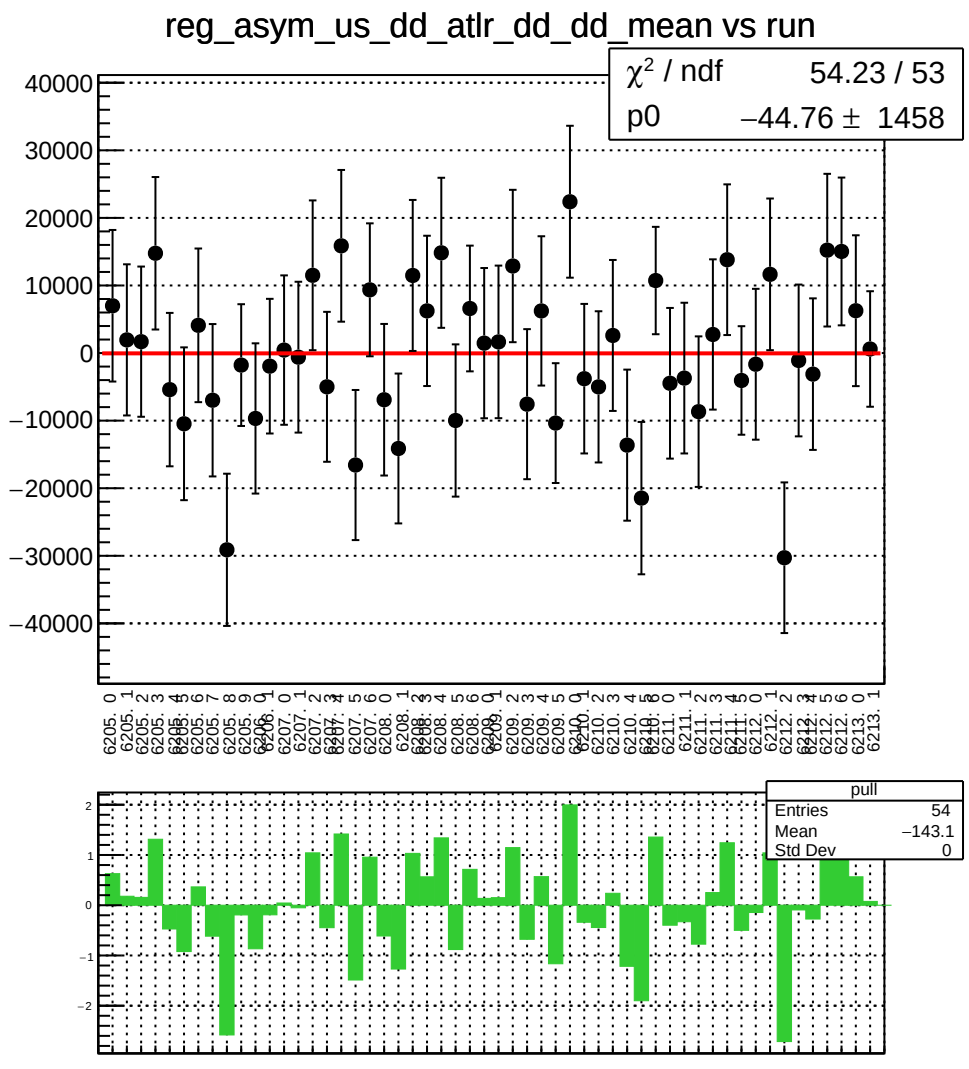
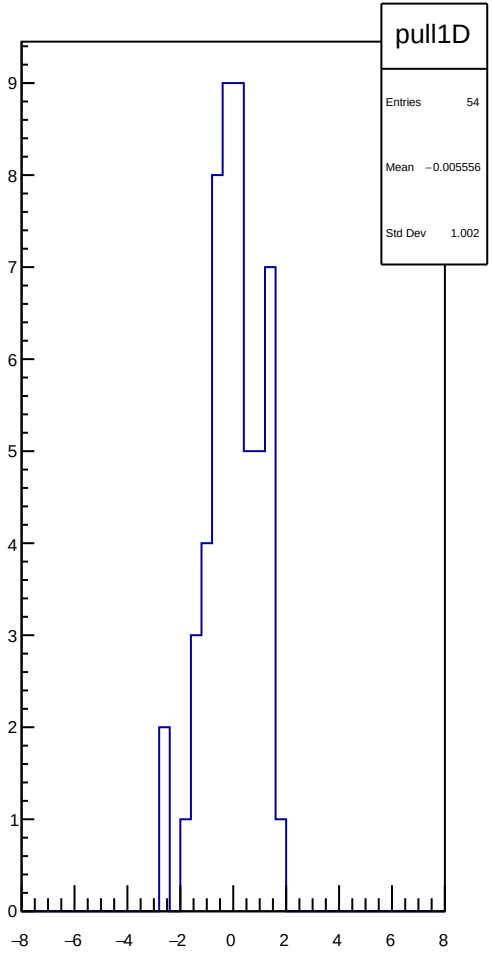
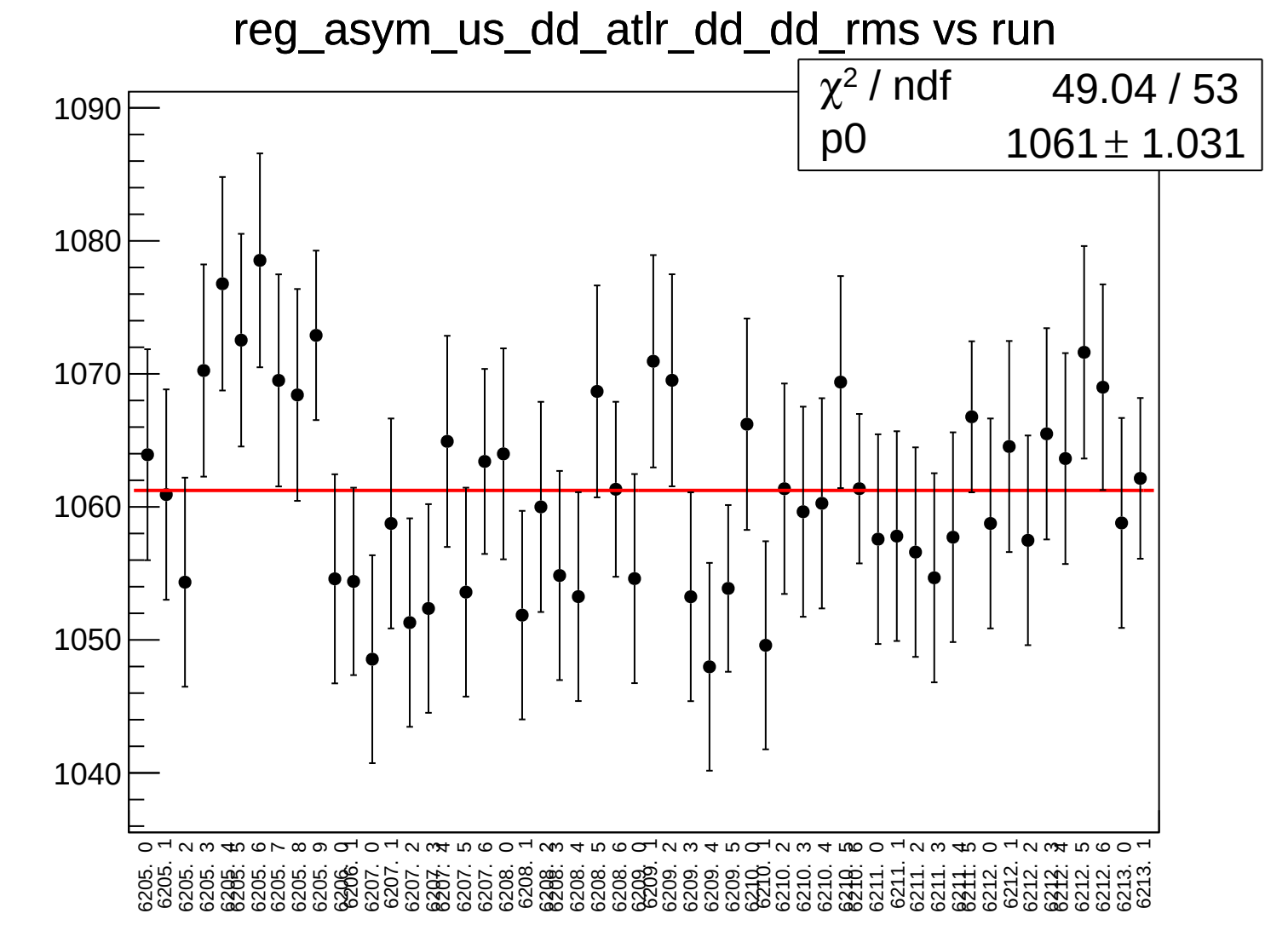
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1


reg_asym_us_dd_atlr_dd_dd_mean vs run
χ² / ndf 54.23 / 53
p0 −44.76 ± 1458
pull
Entries 54
Mean −143.1
Std Dev 0


pull1D
Entries 54
Mean −0.005556
Std Dev 1.002


reg_asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 49.04 / 53
p0 1061 ± 1.031
1090
1080
1070
1060
1050
1040
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
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6208. 2
6208. 3
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6209. 0
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6209. 2
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6210. 0
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6210. 6
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6212. 0
6212. 1
6212. 2
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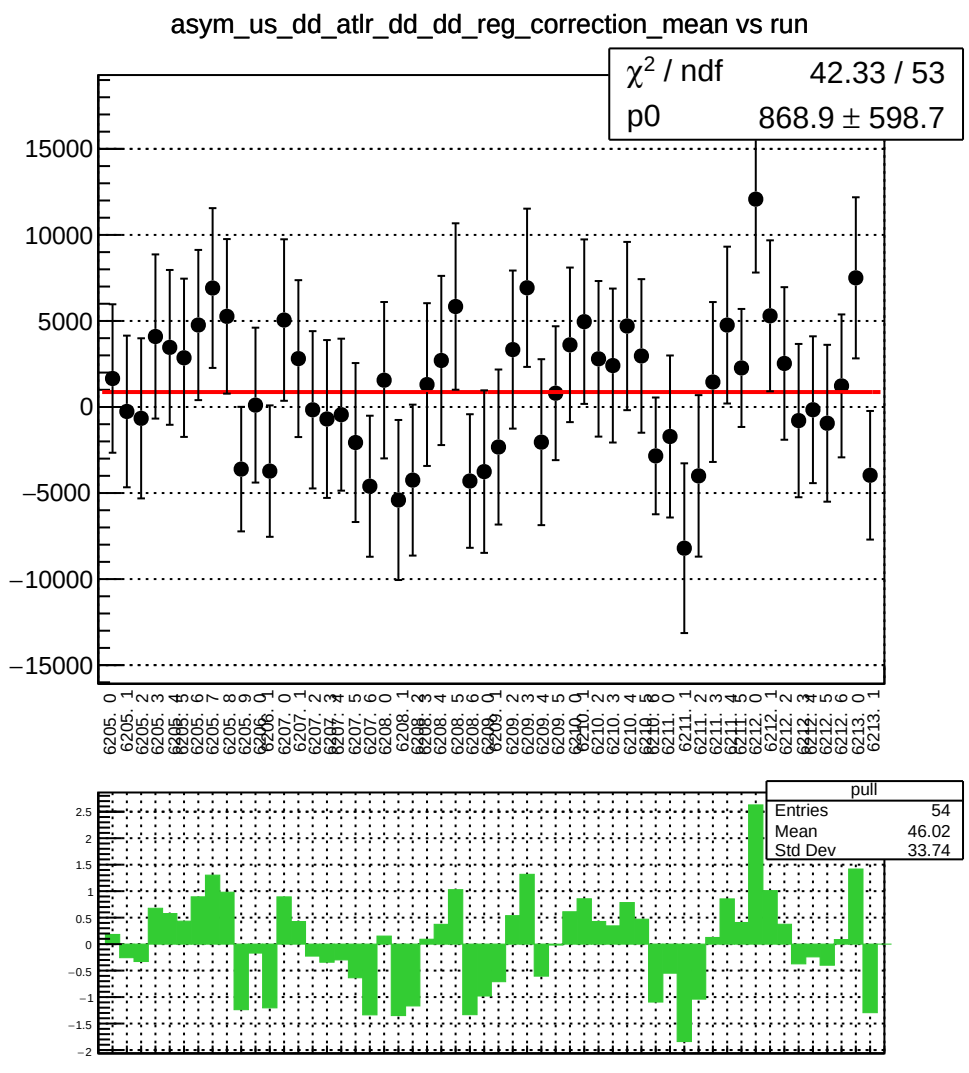
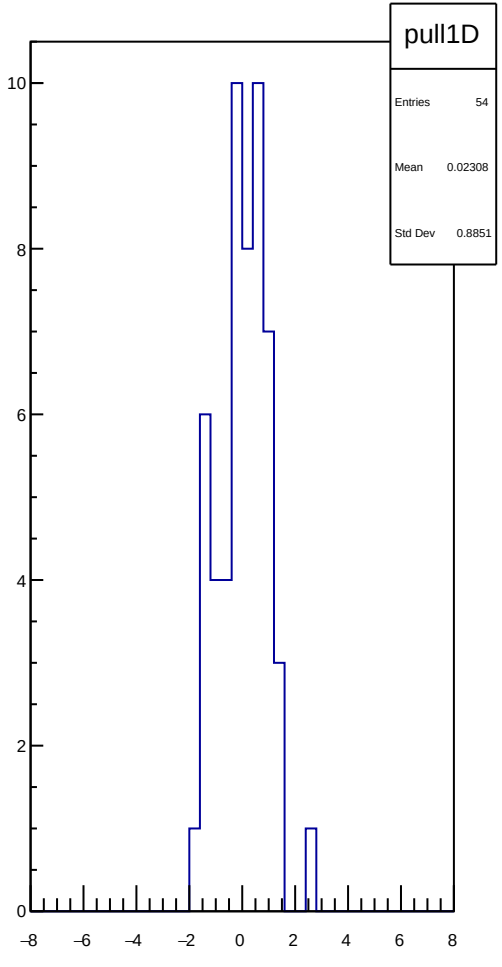
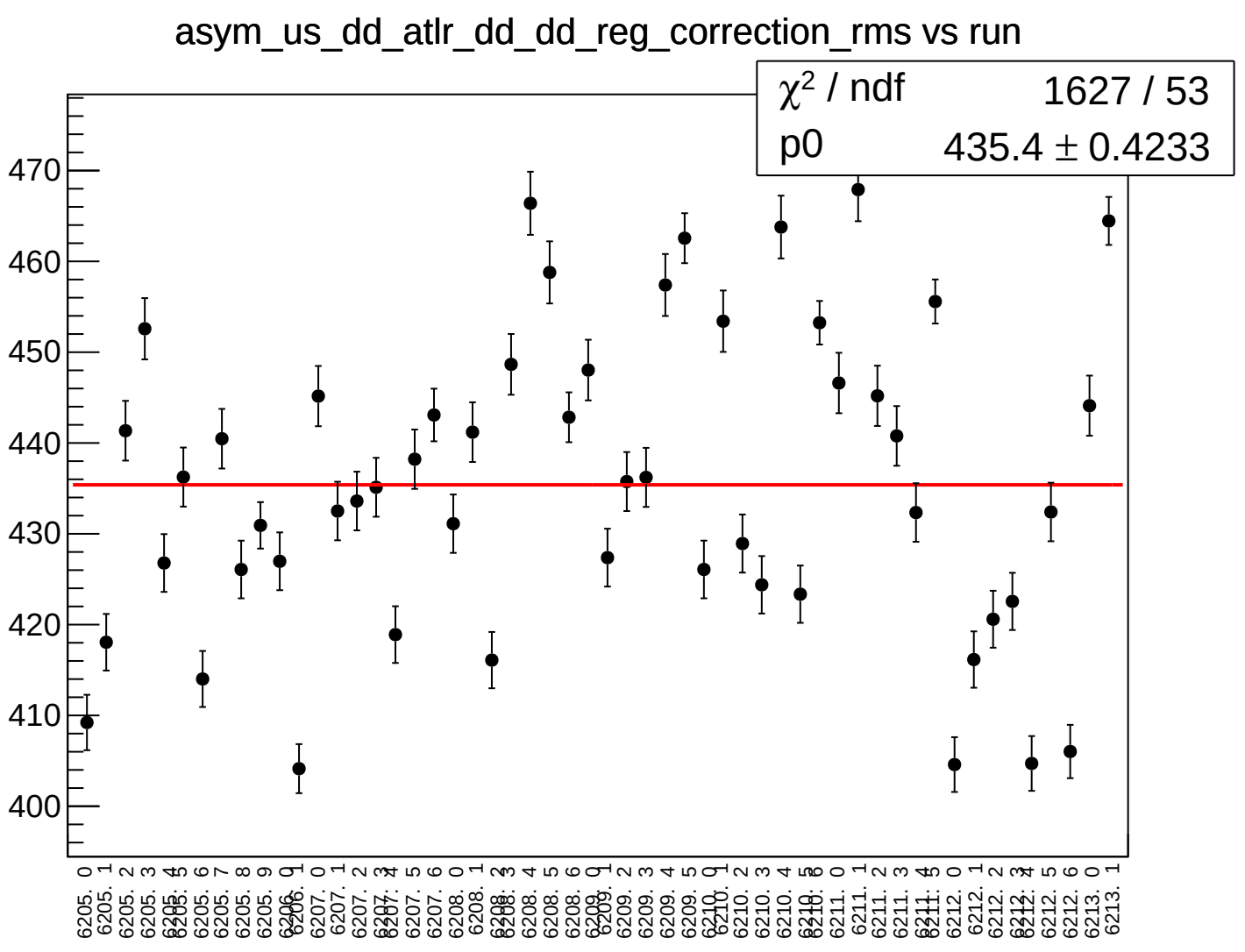
6212. 6
6213. 0
6213. 1


asym_us_dd_atlr_dd_dd_reg_correction_mean vs run
χ² / ndf 42.33 / 53
p0 868.9 ± 598.7
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 54
Mean 46.02
Std Dev 33.74
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 54
Mean 0.02308
Std Dev 0.8851
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_dd_atlr_dd_dd_reg_correction_rms vs run
χ² / ndf 1627 / 53
p0 435.4 ± 0.4233
470
460
450
440
430
420
410
400
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
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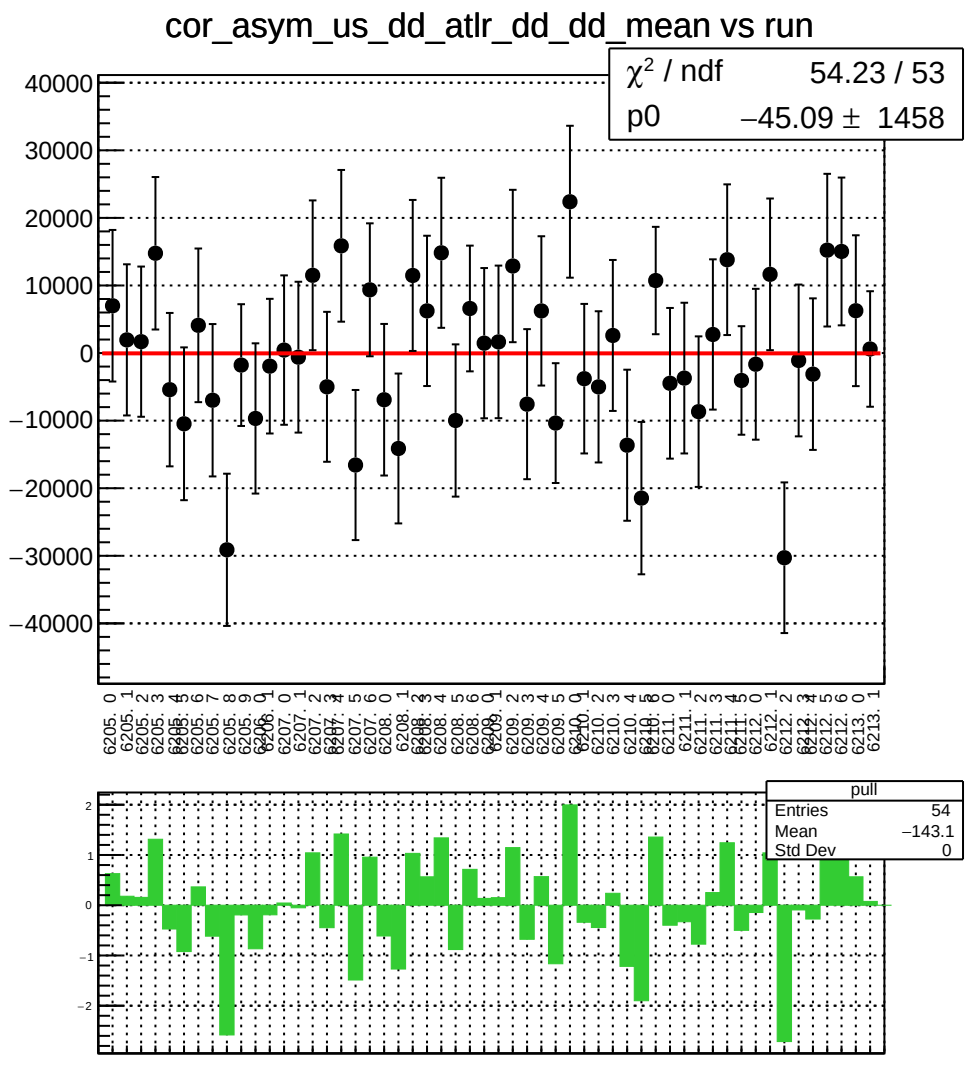
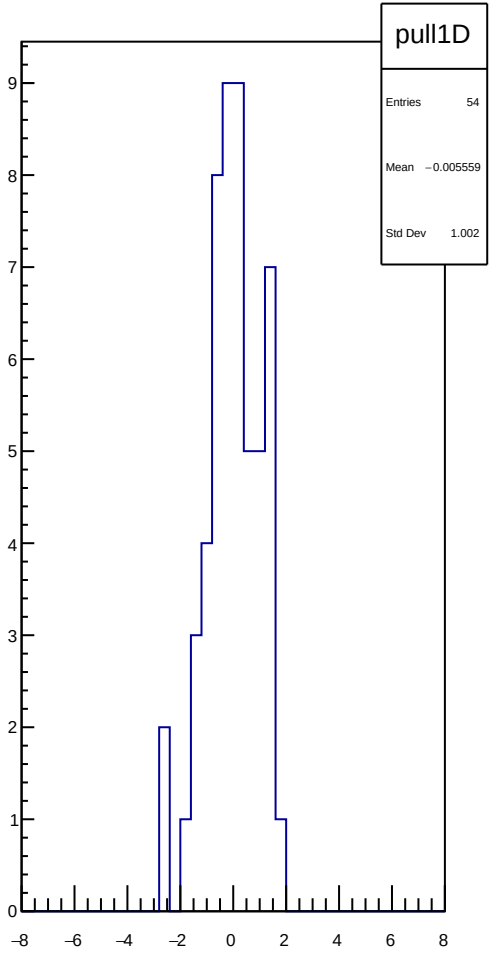
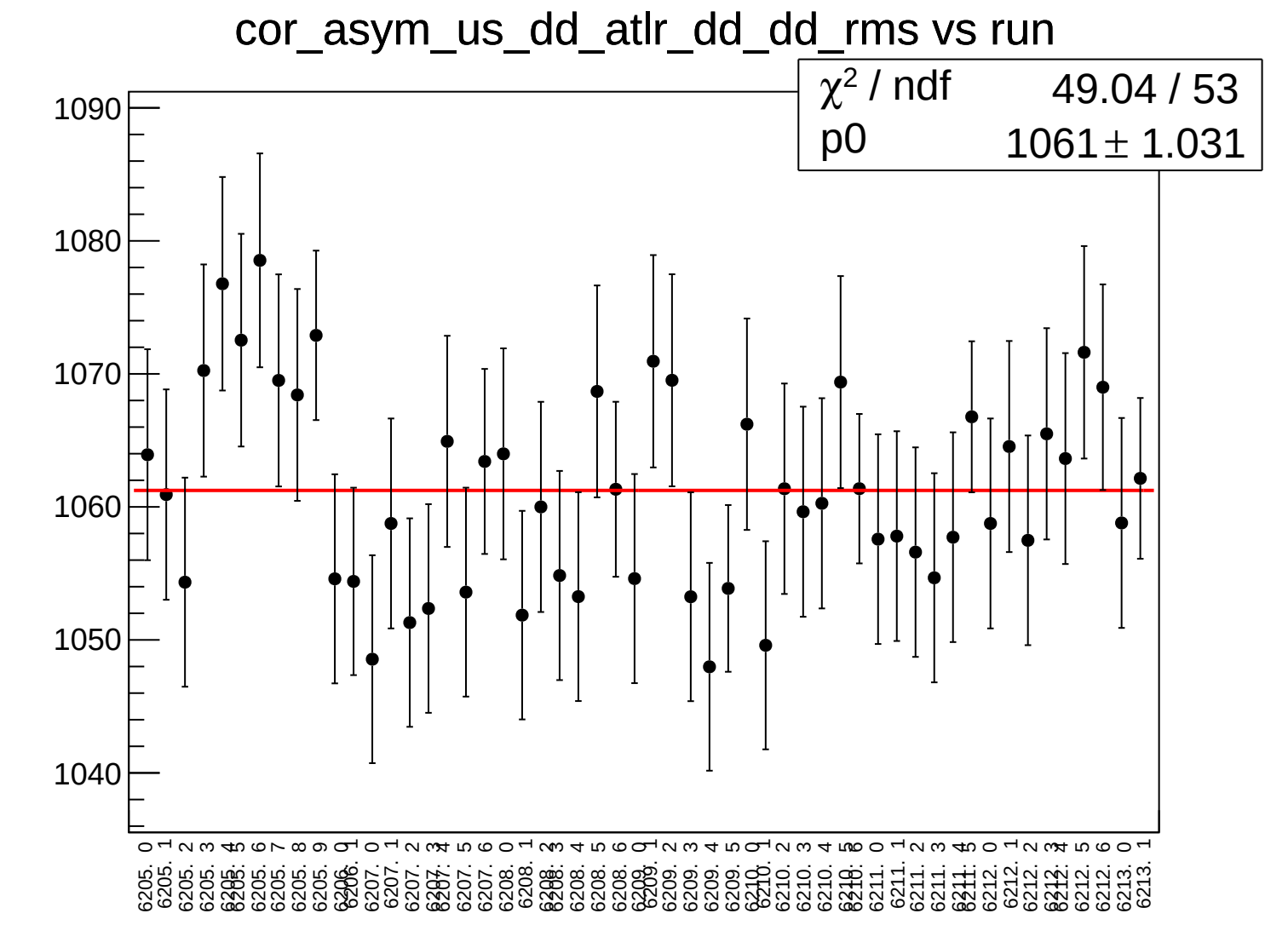
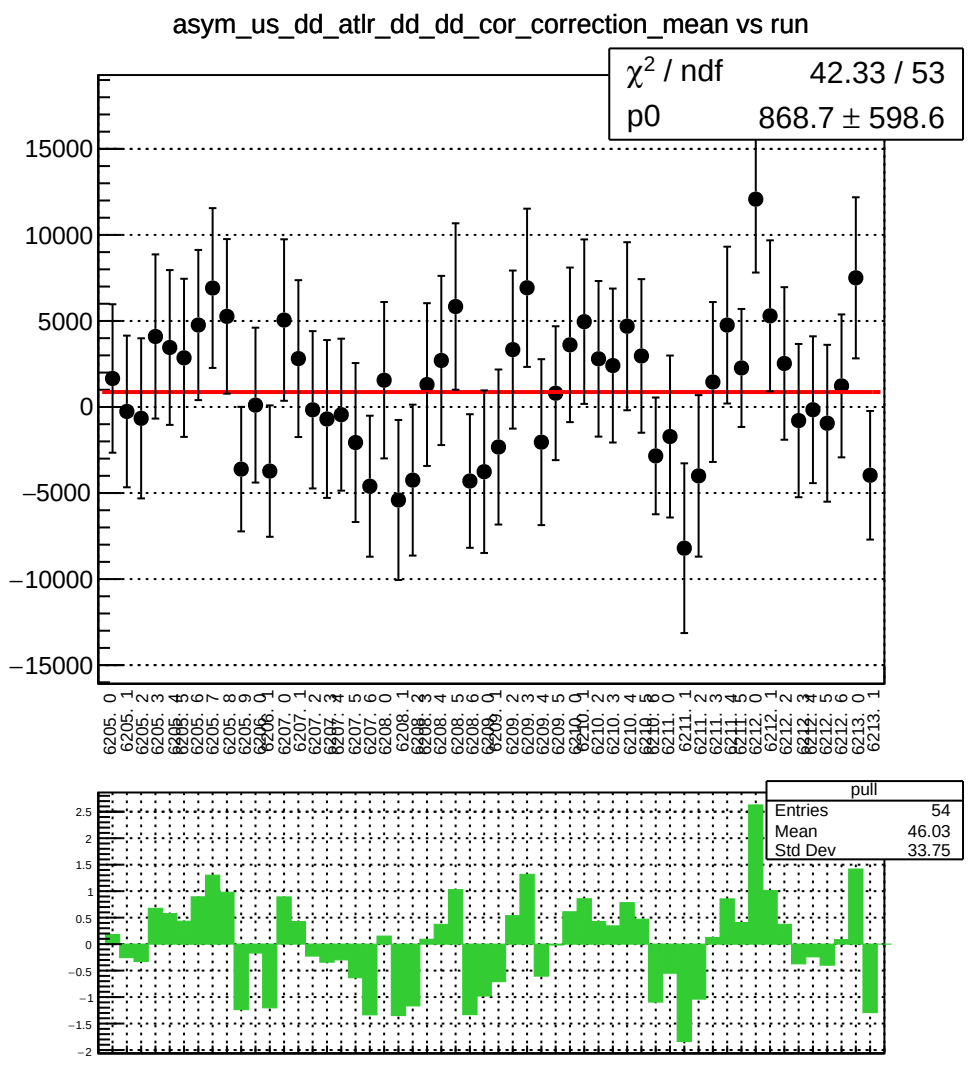
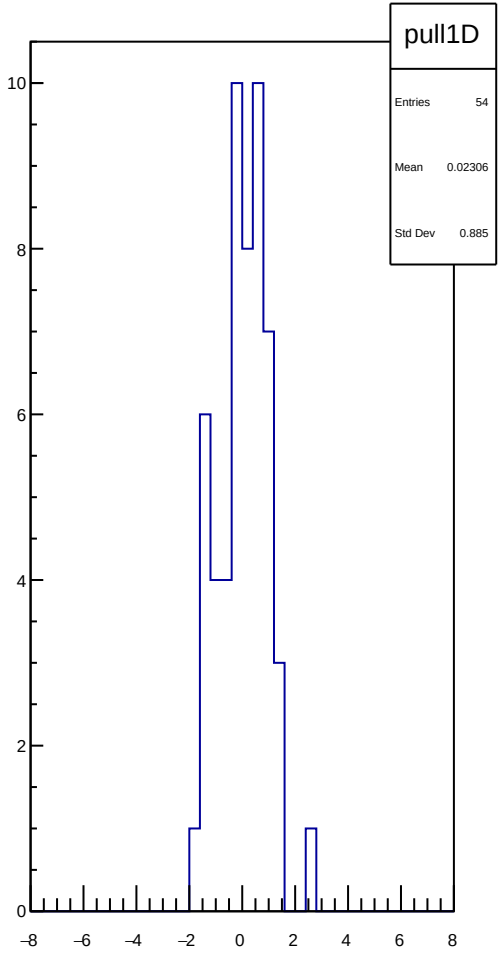
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

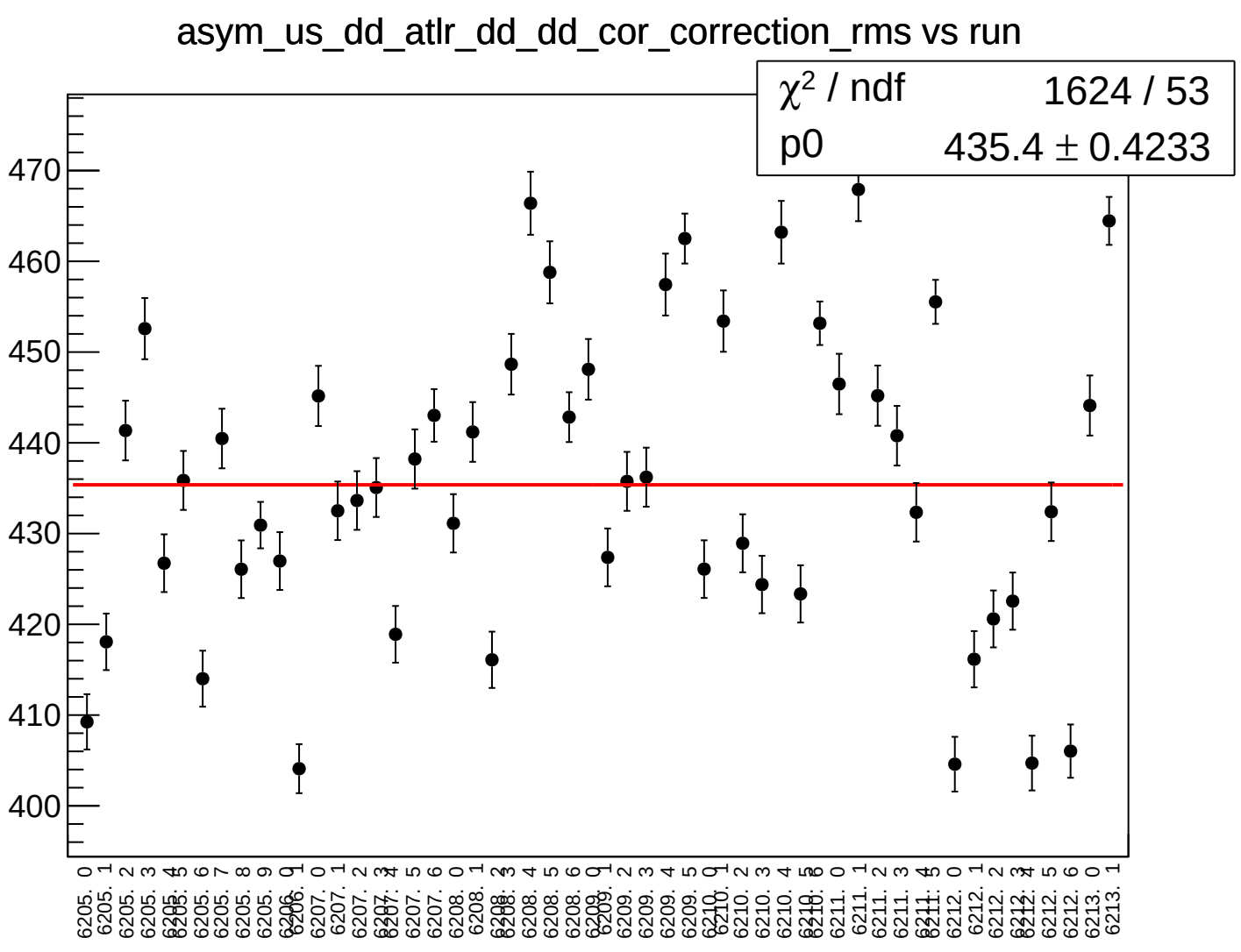

cor_asym_us_dd_atlr_dd_dd_mean vs run
χ² / ndf 54.23 / 53
p0 −45.09 ± 1458
pull
Entries 54
Mean −143.1
Std Dev 0


pull1D
Entries 54
Mean −0.005559
Std Dev 1.002


cor_asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 49.04 / 53
p0 1061 ± 1.031
1090
1080
1070
1060
1050
1040
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1


asym_us_dd_atlr_dd_dd_cor_correction_mean vs run
χ² / ndf 42.33 / 53
p0 868.7 ± 598.6
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 54
Mean 46.03
Std Dev 33.75
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 54
Mean 0.02306
Std Dev 0.885
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_dd_atlr_dd_dd_cor_correction_rms vs run
χ² / ndf 1624 / 53
p0 435.4 ± 0.4233
470
460
450
440
430
420
410
400
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
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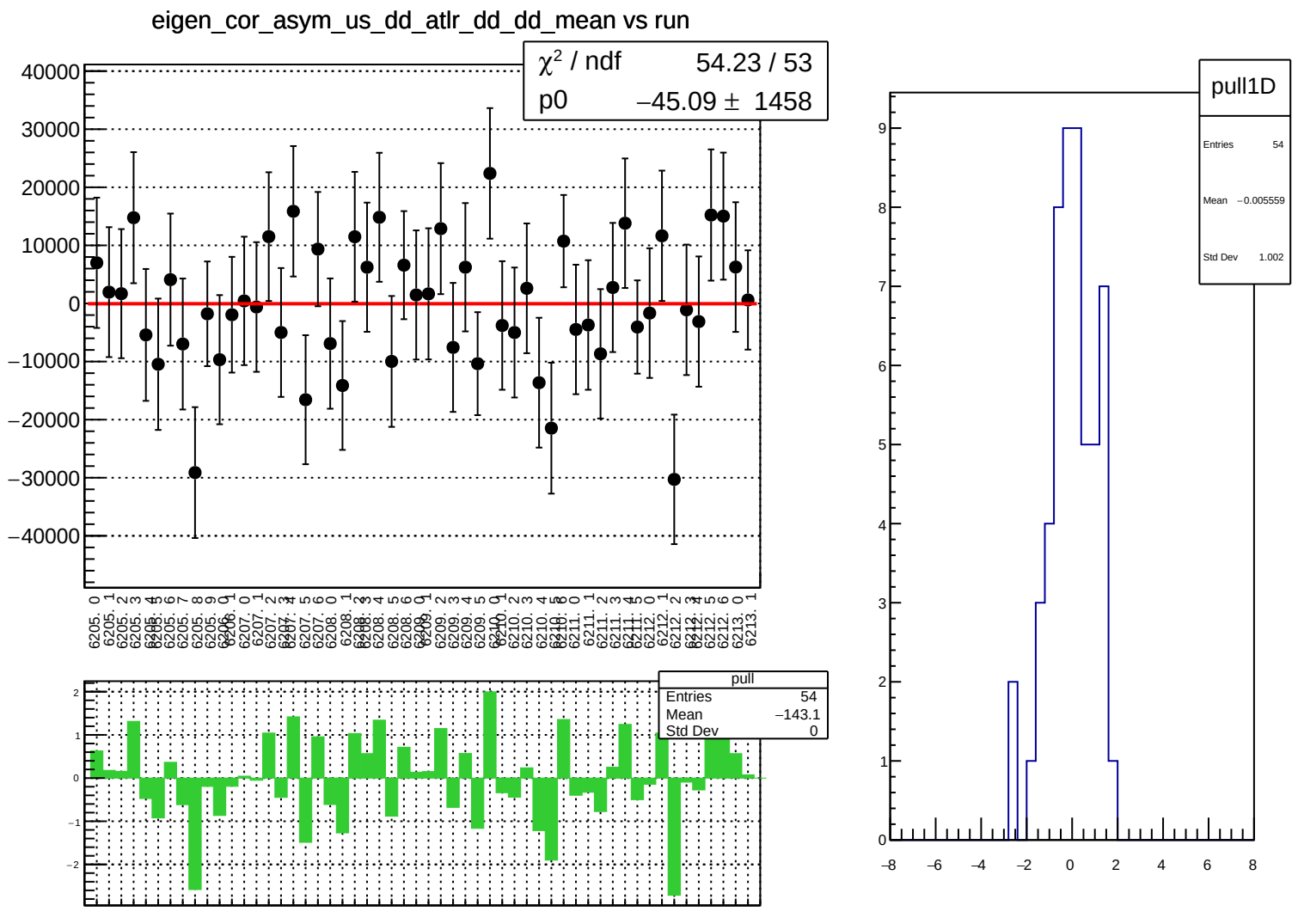
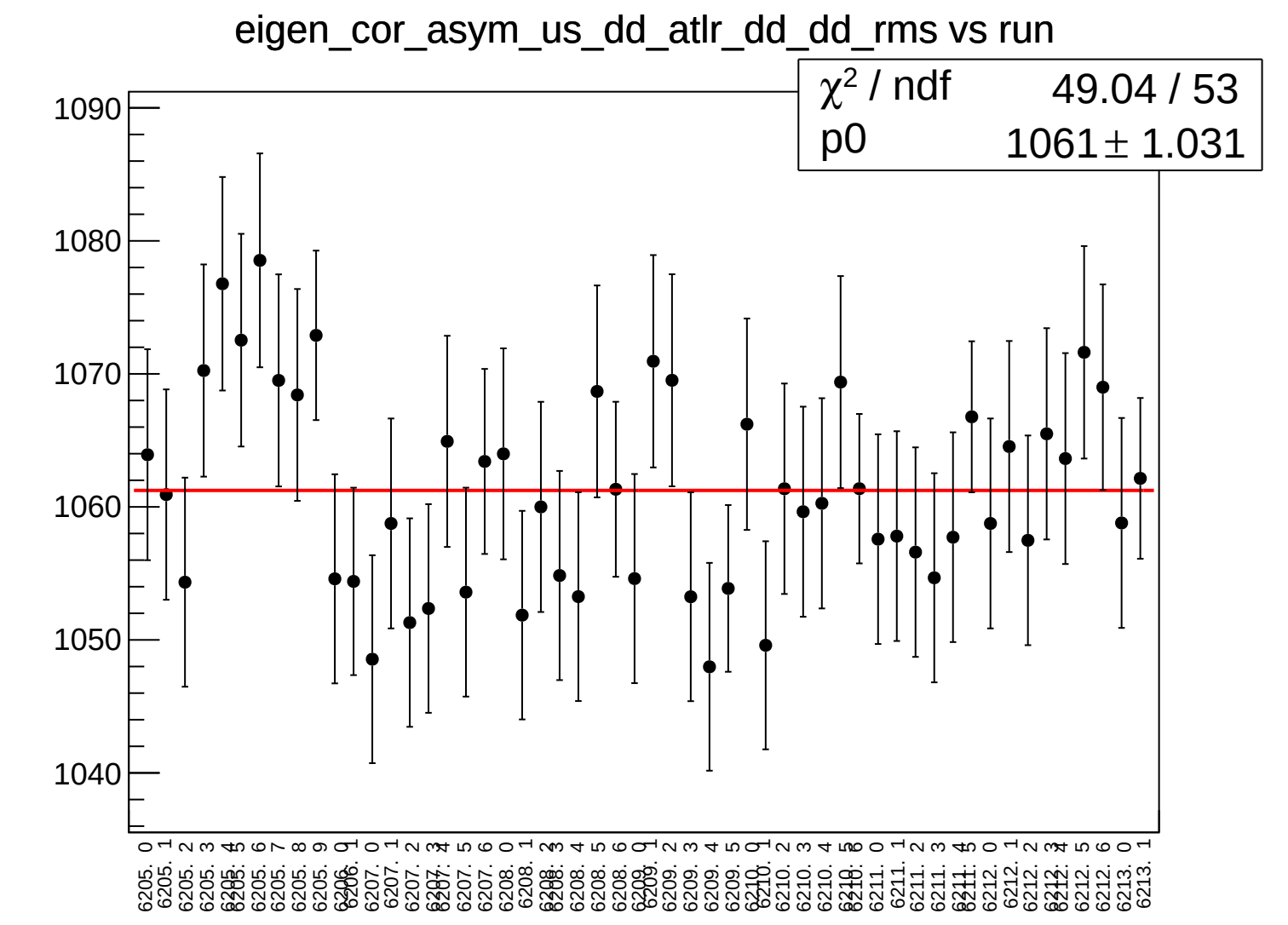
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


eigen_cor_asym_us_dd_atlr_dd_dd_mean vs run
χ² / ndf 54.23 / 53
p0 −45.09 ± 1458
pull
Entries 54
Mean −143.1
Std Dev 0
pull1D
Entries 54
Mean −0.005559
Std Dev 1.002


eigen_cor_asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 49.04 / 53
p0 1061 ± 1.031
1090
1080
1070
1060
1050
1040
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
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6207. 6
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6208. 6
6209. 0
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6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
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6210. 2
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6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
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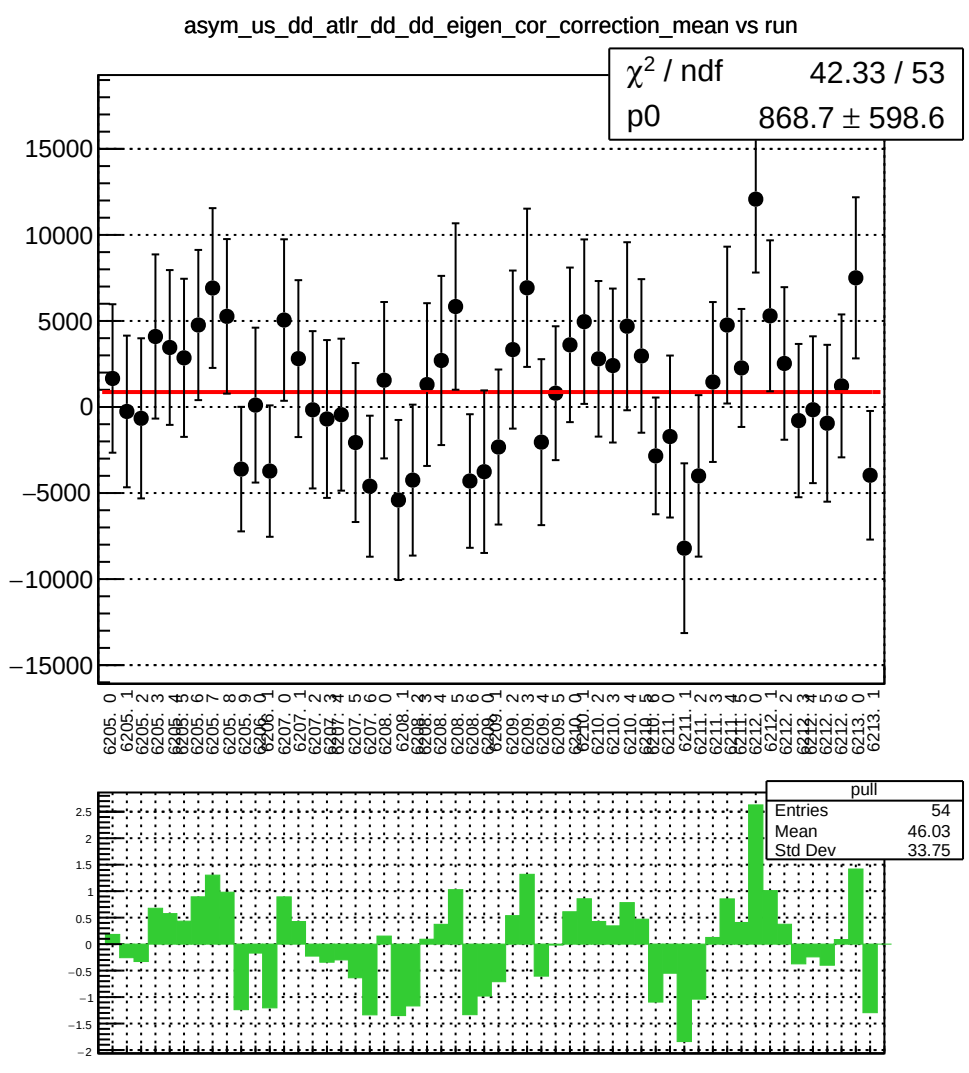
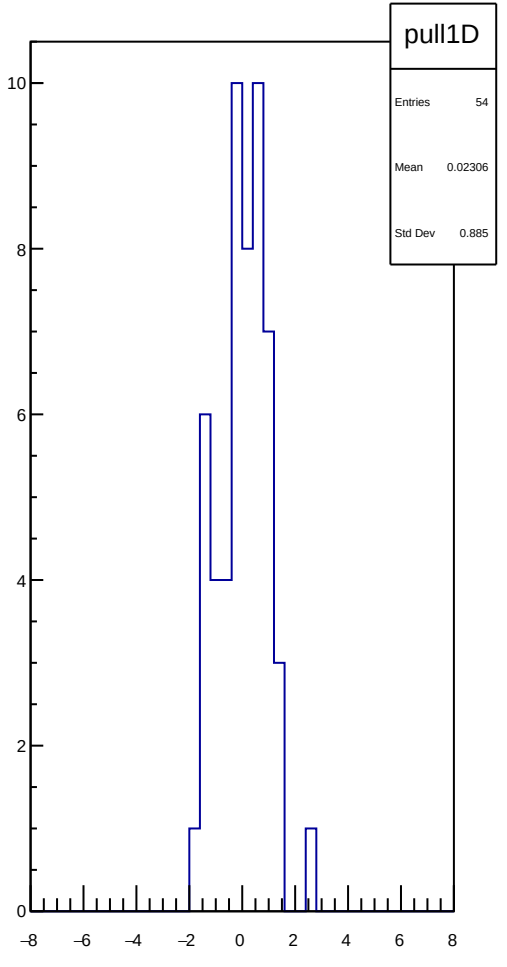
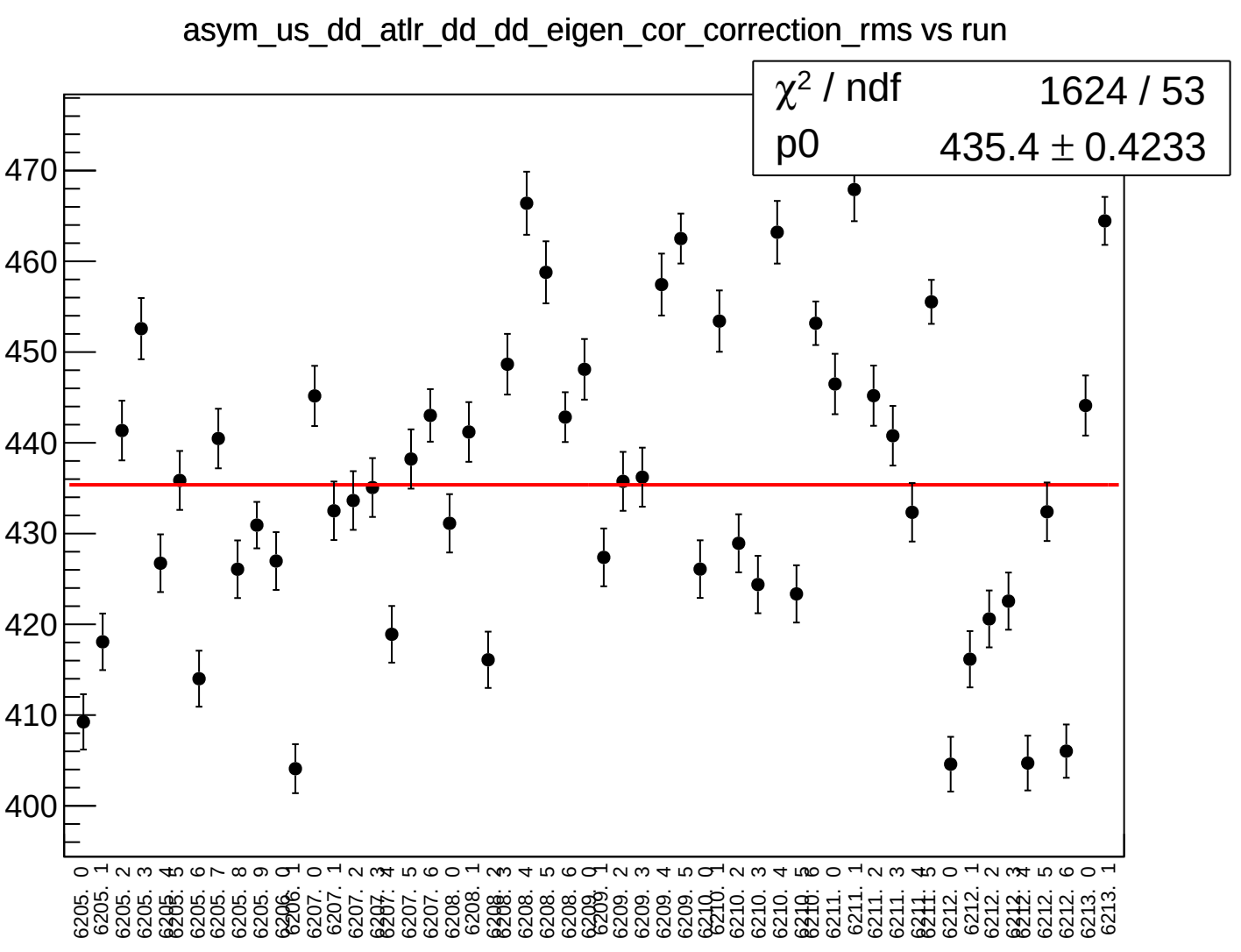
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_us_dd_atlr_dd_dd_eigen_cor_correction_mean vs run
χ² / ndf 42.33 / 53
p0 868.7 ± 598.6
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 54
Mean 46.03
Std Dev 33.75
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 54
Mean 0.02306
Std Dev 0.885
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_dd_atlr_dd_dd_eigen_cor_correction_rms vs run
χ² / ndf 1624 / 53
p0 435.4 ± 0.4233
470
460
450
440
430
420
410
400
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
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6207. 4
6207. 5
6207. 6
6208. 0
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6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
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6212. 2
6212. 3
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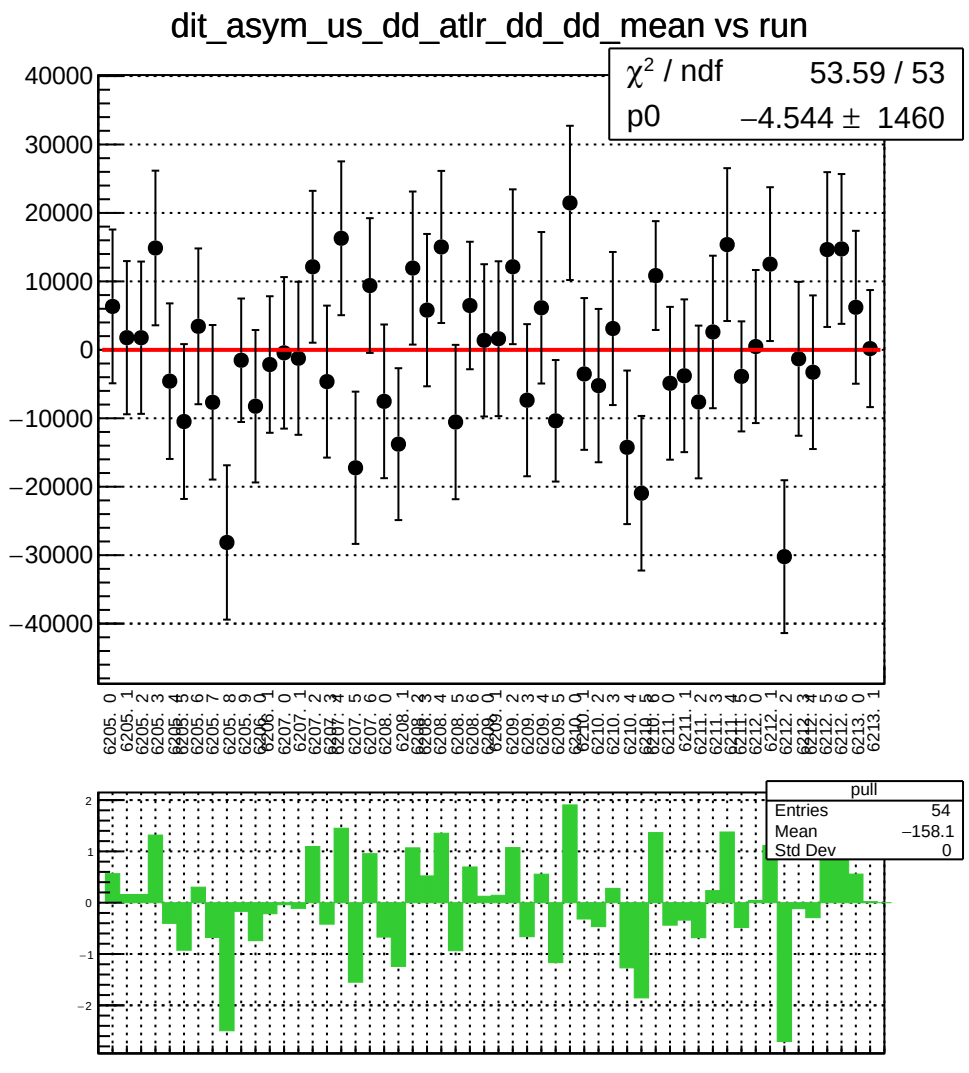
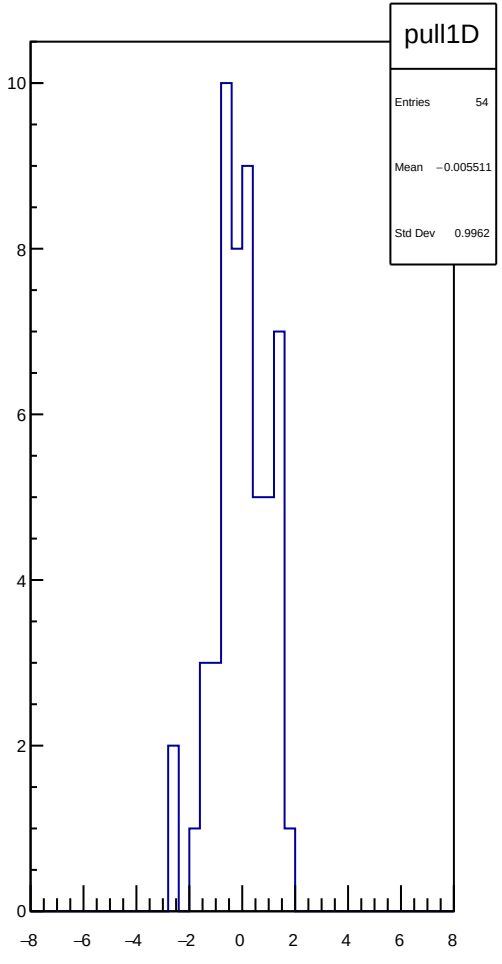
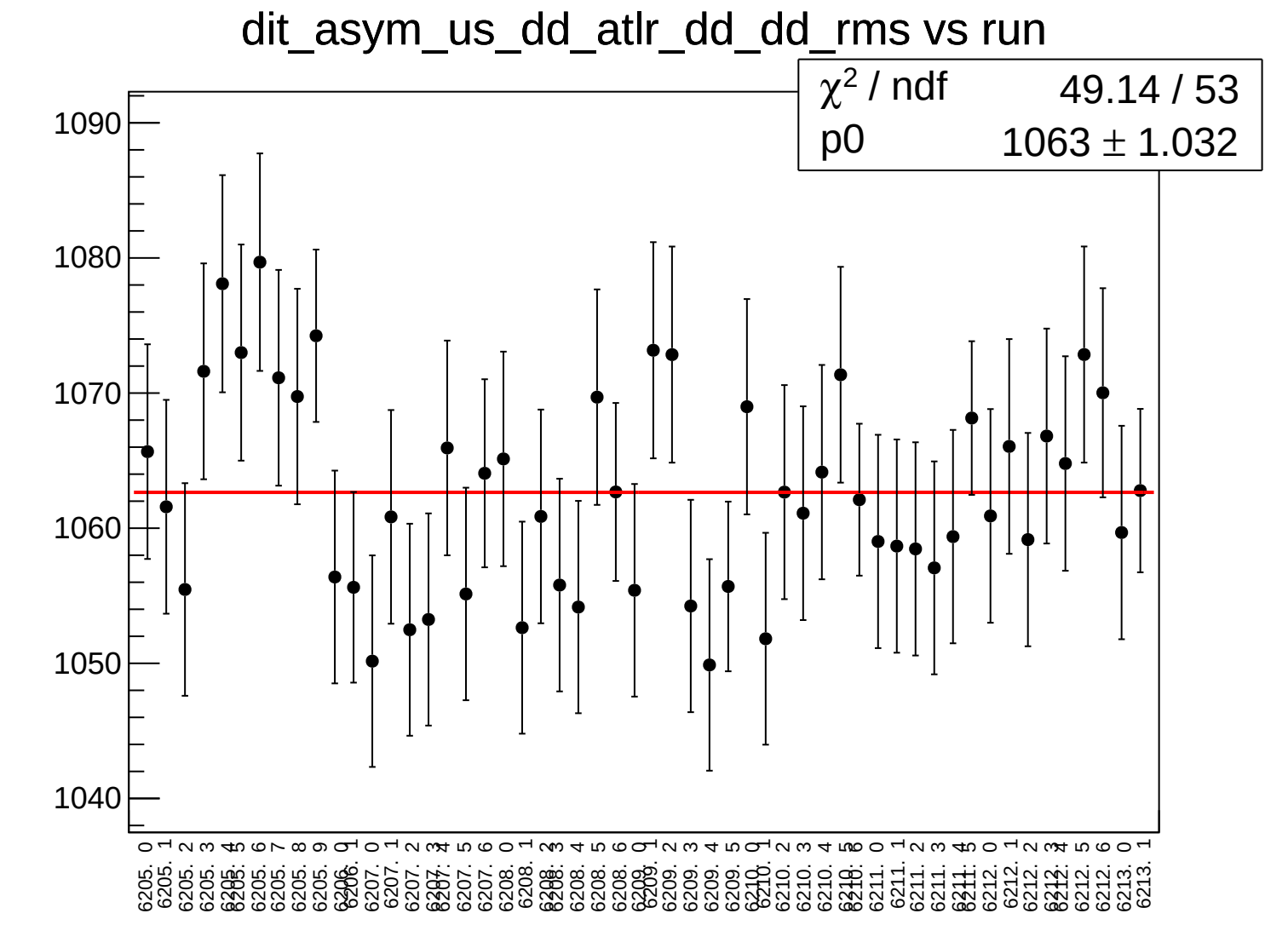
6212. 5
6212. 6
6213. 0
6213. 1


dit_asym_us_dd_atlr_dd_dd_mean vs run
χ² / ndf 53.59 / 53
p0 −4.544 ± 1460
pull
Entries 54
Mean −158.1
Std Dev 0


pull1D
Entries 54
Mean −0.005511
Std Dev 0.9962


dit_asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 49.14 / 53
p0 1063 ± 1.032
1090
1080
1070
1060
1050
1040
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
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6207. 6
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6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
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6212. 2
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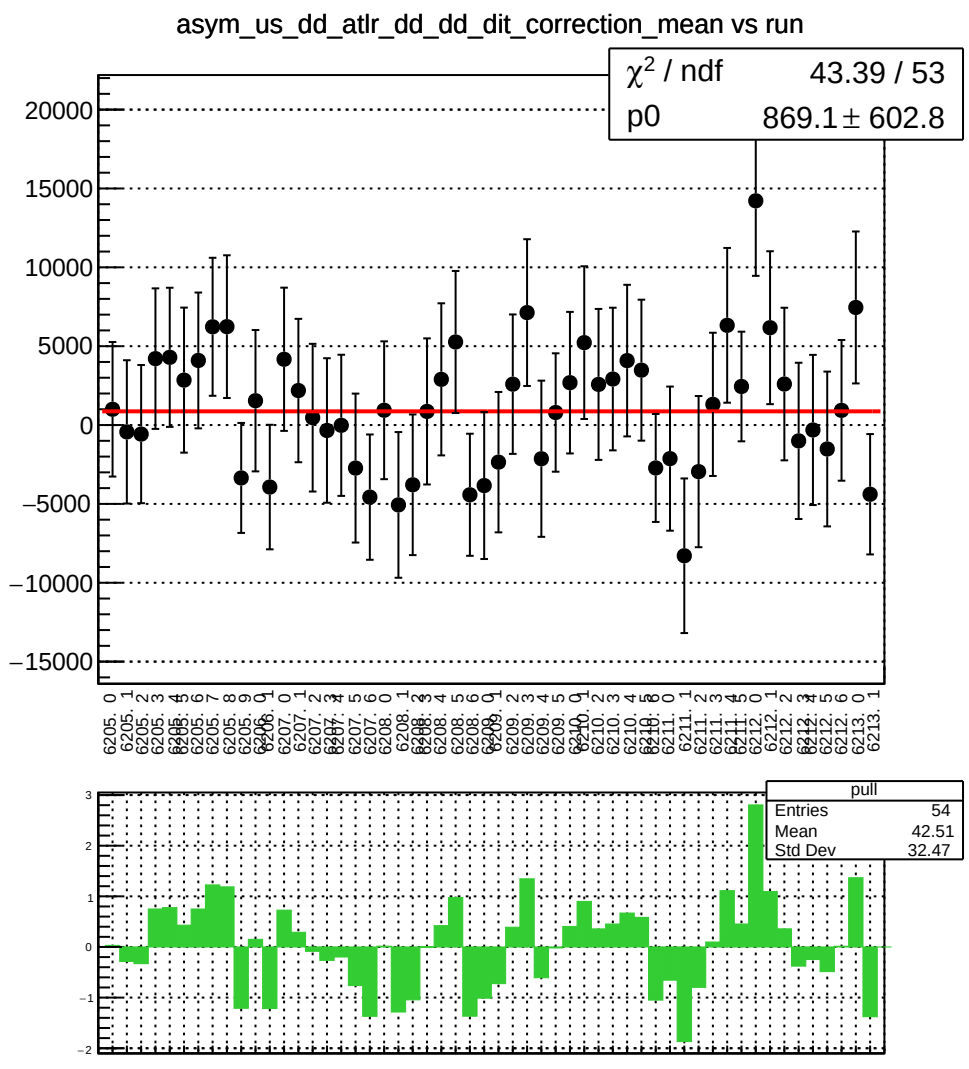
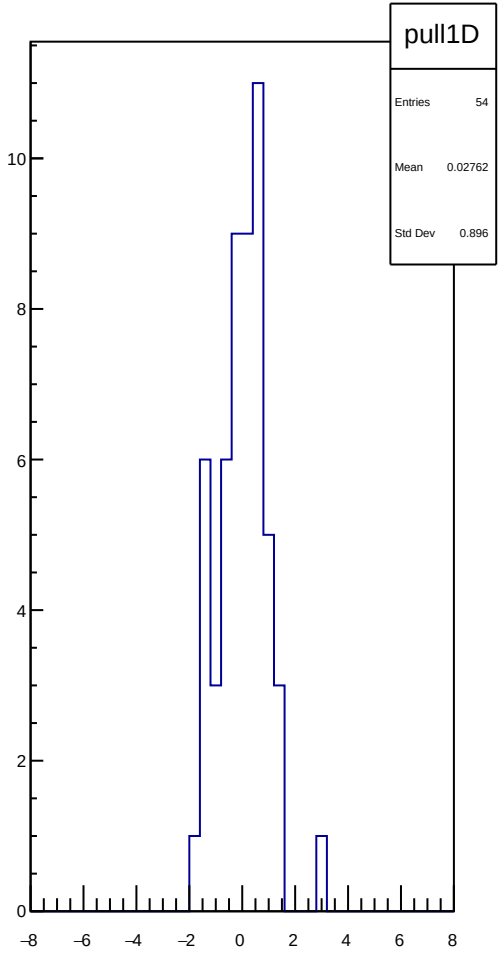
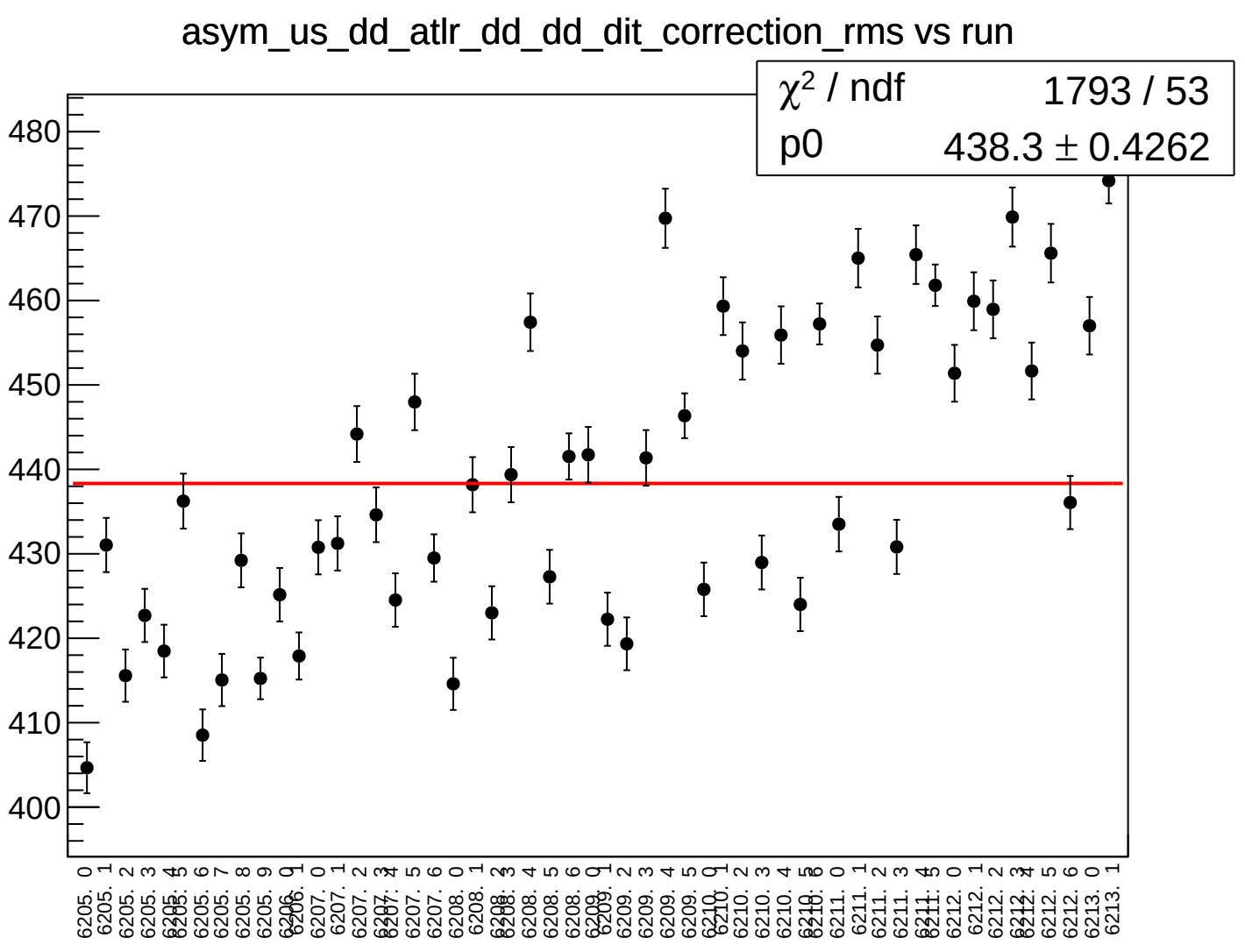
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_us_dd_atlr_dd_dd_dit_correction_mean vs run
χ² / ndf 43.39 / 53
p0 869.1 ± 602.8
pull
Entries 54
Mean 42.51
Std Dev 32.47


pull1D
Entries 54
Mean 0.02762
Std Dev 0.896


asym_us_dd_atlr_dd_dd_dit_correction_rms vs run
χ² / ndf 1793 / 53
p0 438.3 ± 0.4262
480
470
460
450
440
430
420
410
400
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
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6207. 6
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6208. 6
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6209. 1
6209. 2
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6209. 4
6209. 5
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6210. 2
6210. 3
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6210. 6
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6211. 1
6211. 2
6211. 3
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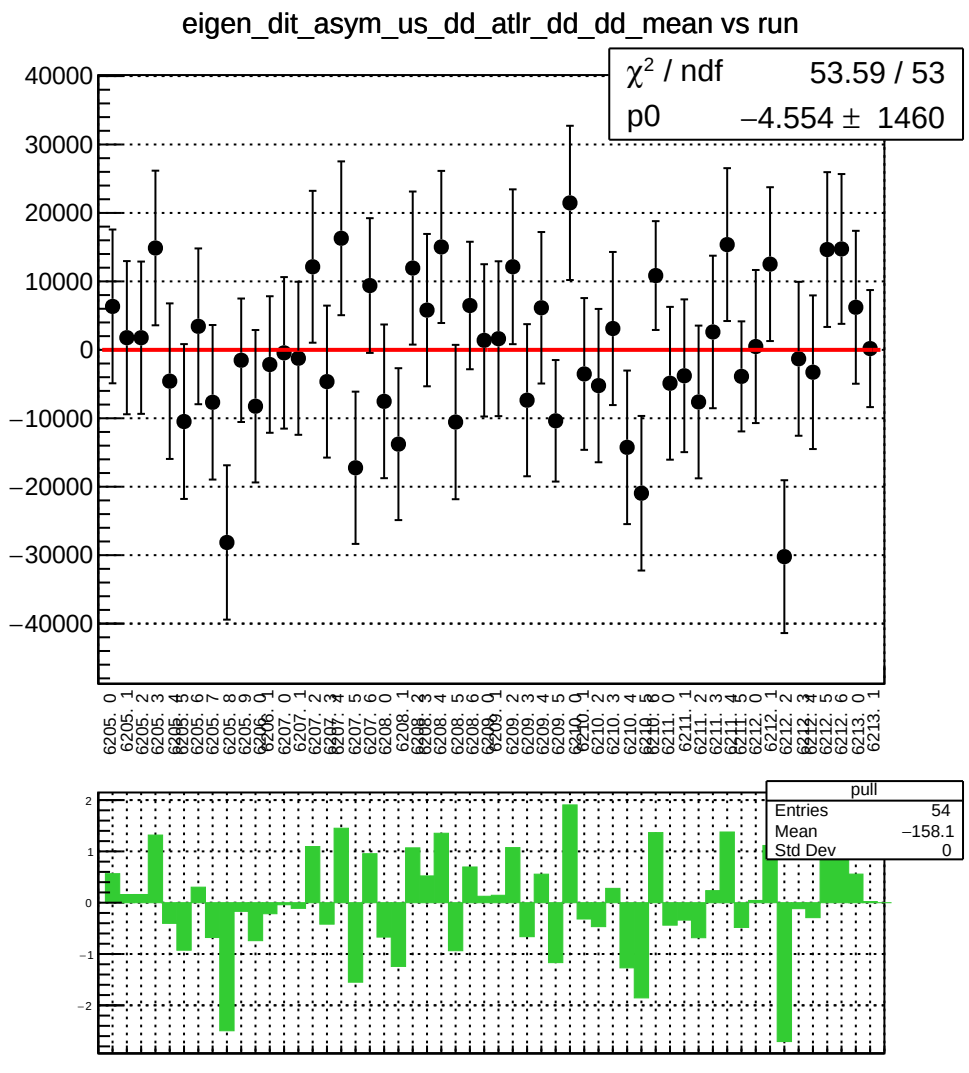
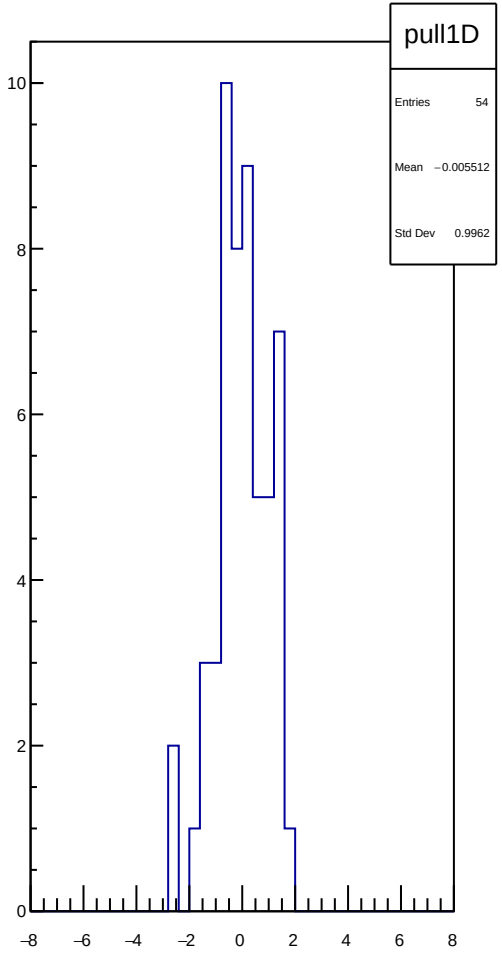
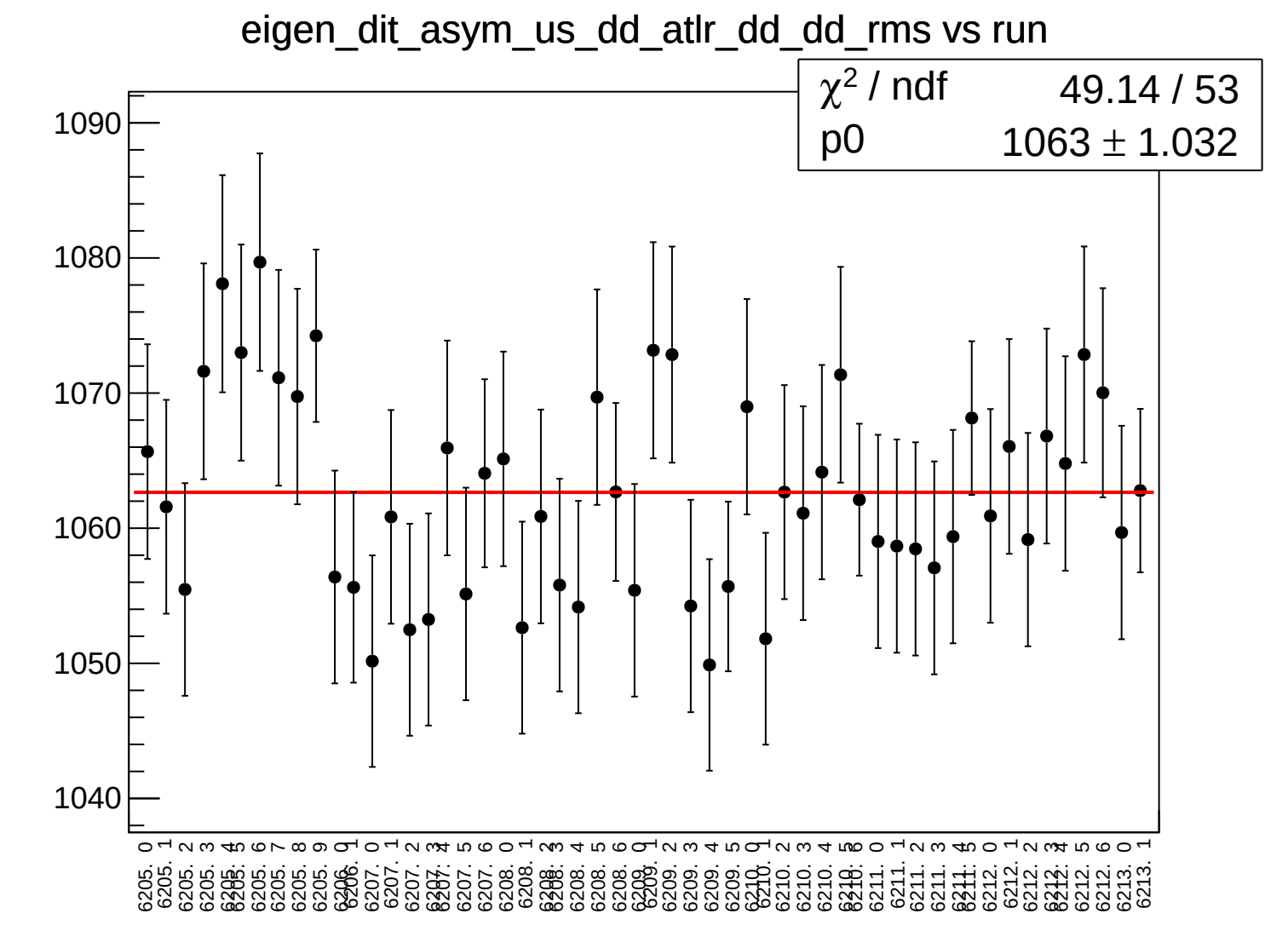
6213. 1


eigen_dit_asym_us_dd_atlr_dd_dd_mean vs run
χ² / ndf 53.59 / 53
p0 −4.554 ± 1460
pull
Entries 54
Mean −158.1
Std Dev 0


pull1D
Entries 54
Mean −0.005512
Std Dev 0.9962


eigen_dit_asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 49.14 / 53
p0 1063 ± 1.032
1090
1080
1070
1060
1050
1040
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
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6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
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6209. 3
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6209. 5
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6210. 2
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6210. 4
6210. 5
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6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
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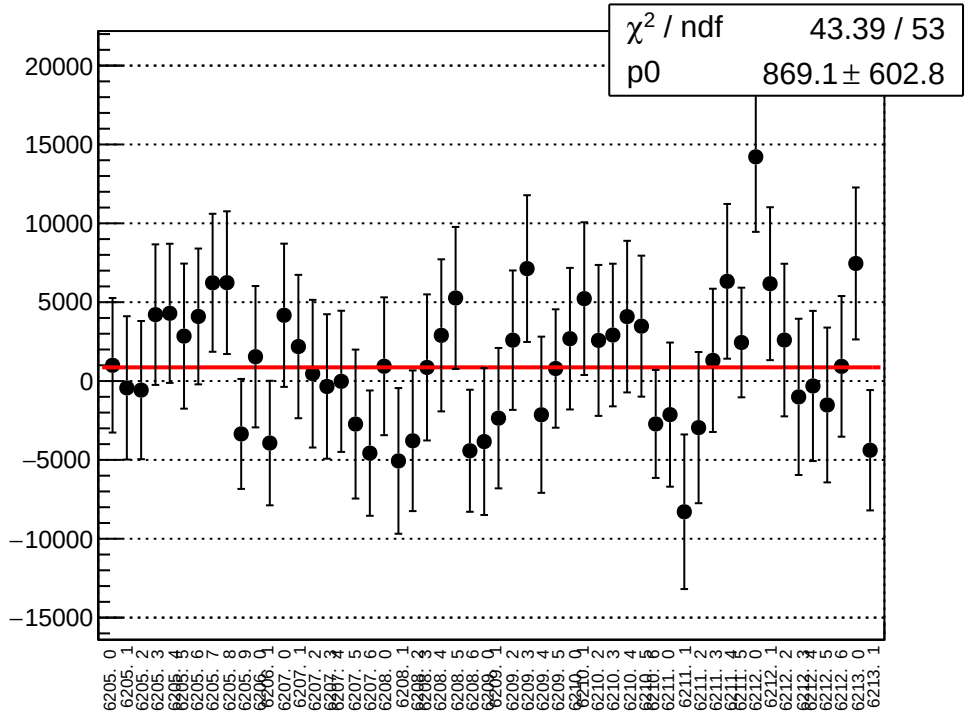
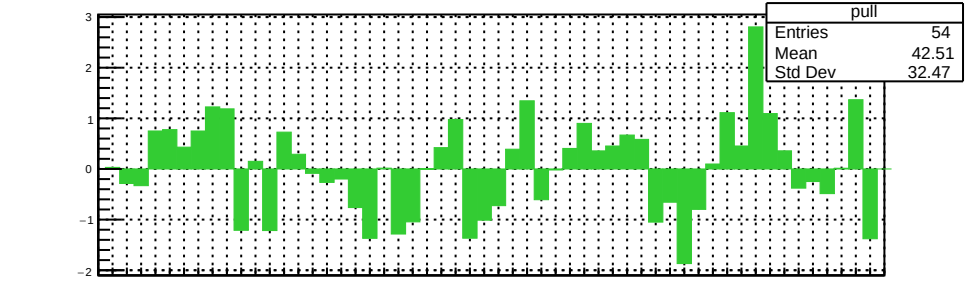
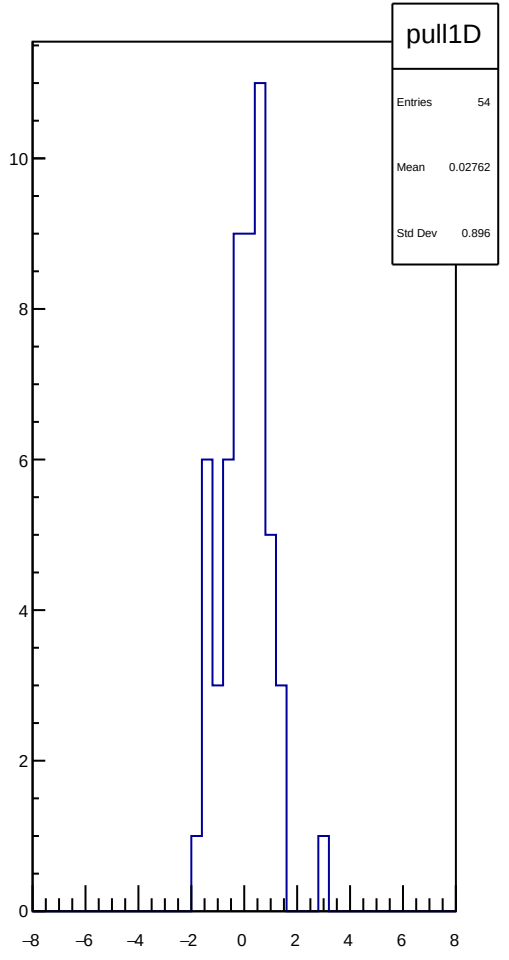
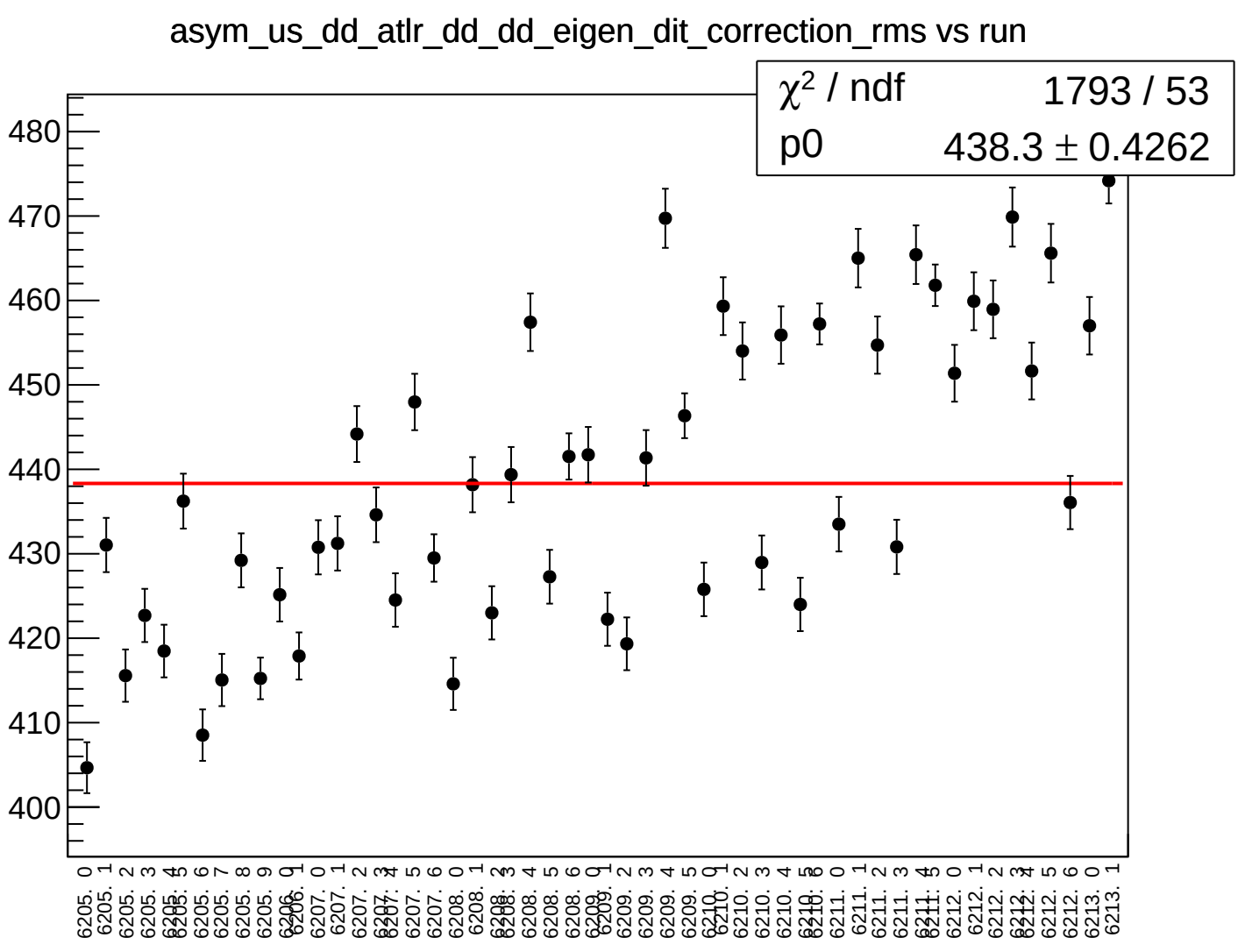
6212. 6
6213. 0
6213. 1

asym_us_dd_atlr_dd_dd_eigen_dit_correction_mean vs run








asym_us_dd_atlr_dd_dd_eigen_dit_correction_rms vs run
χ² / ndf 1793 / 53
p0 438.3 ± 0.4262
480
470
460
450
440
430
420
410
400
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
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6207. 2
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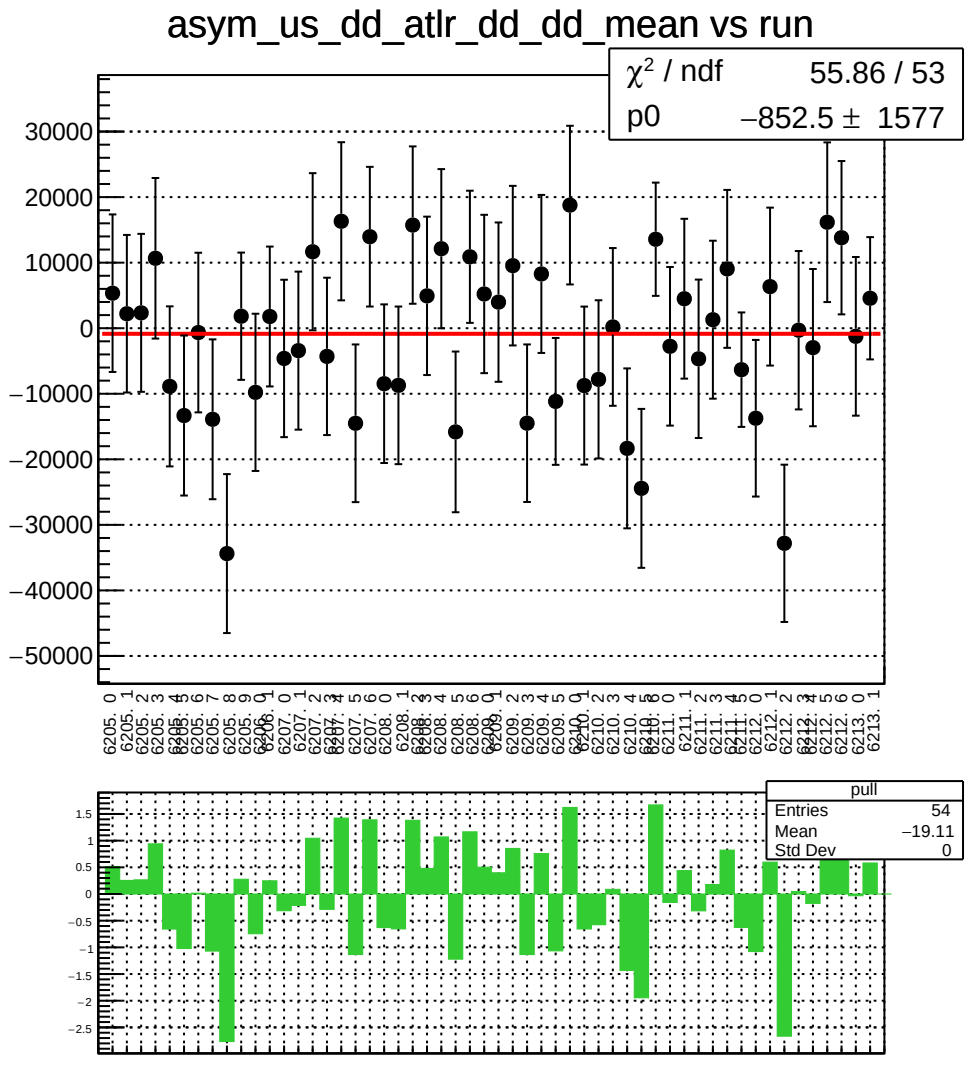
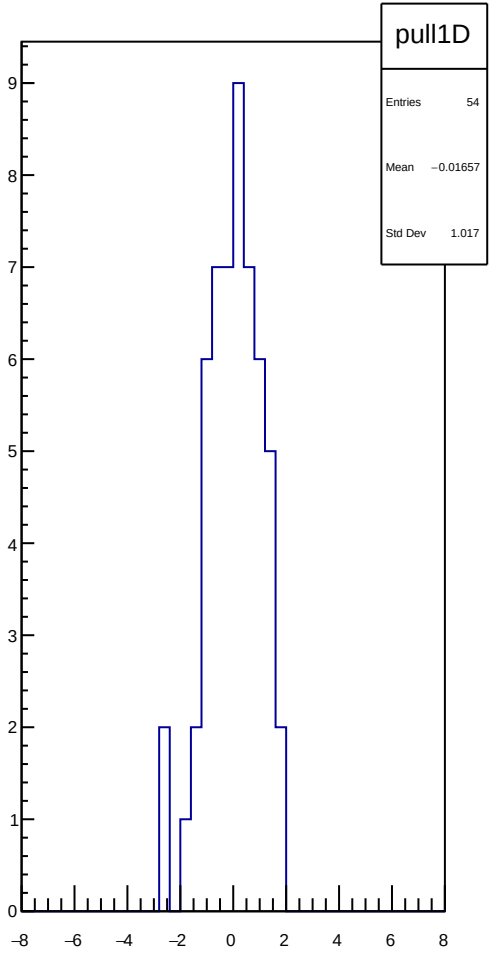
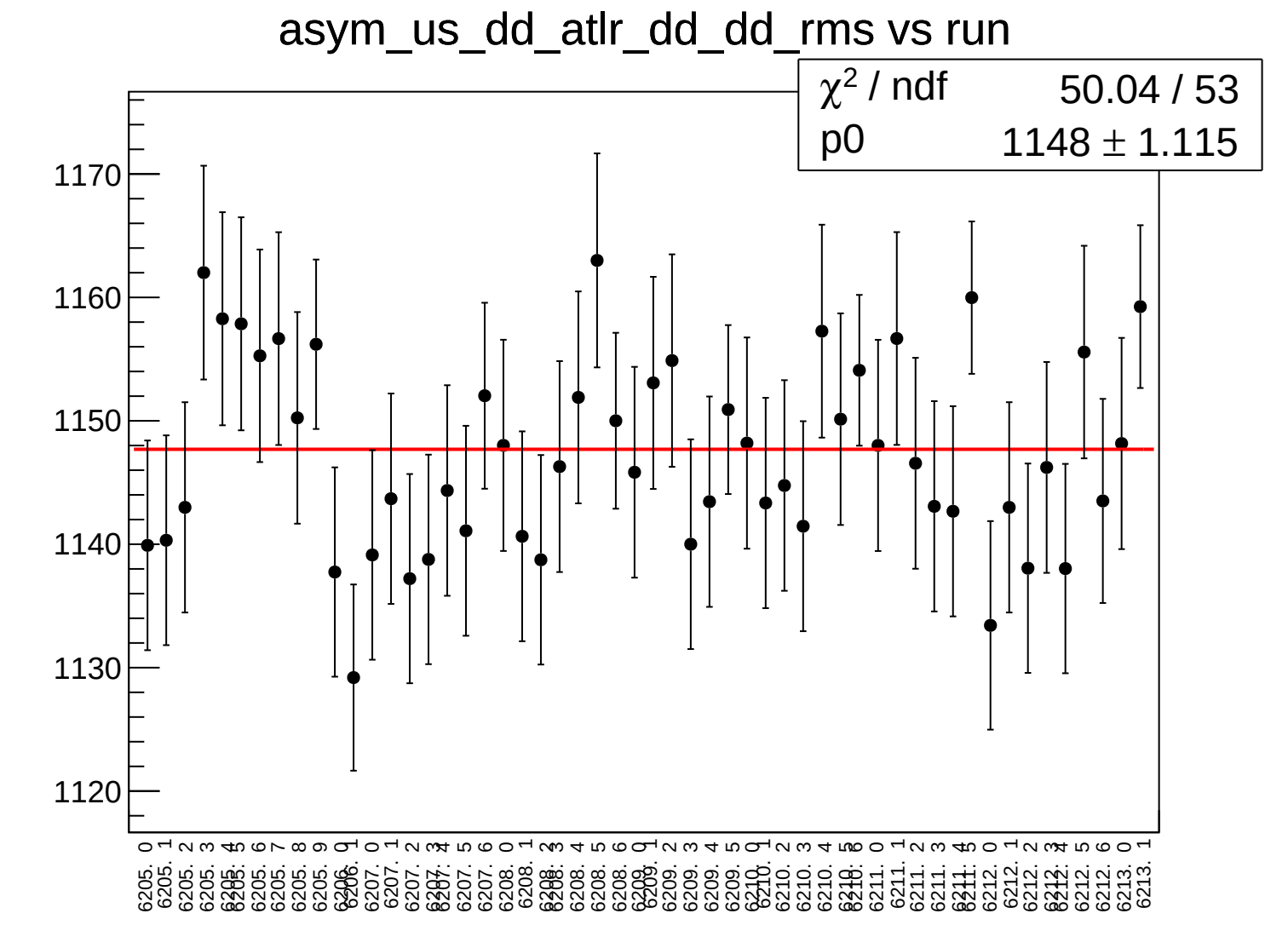
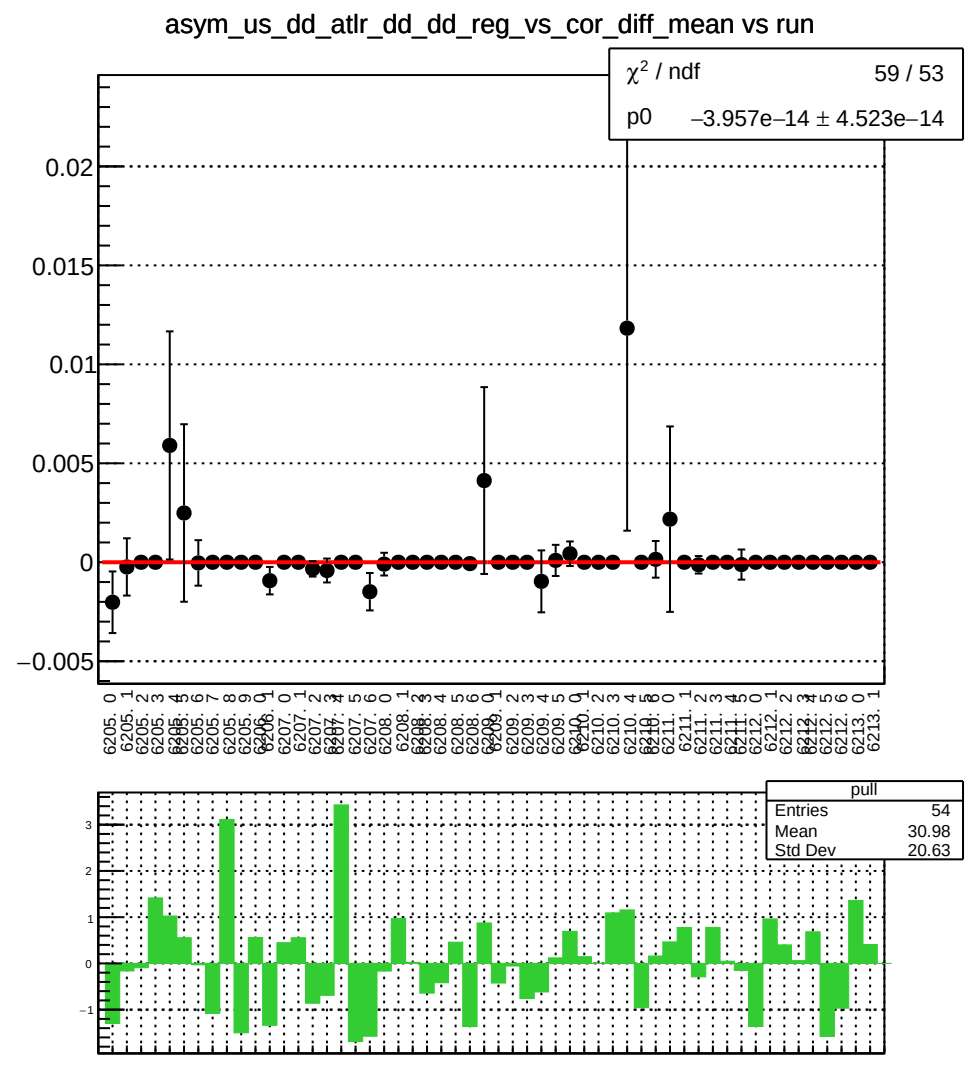
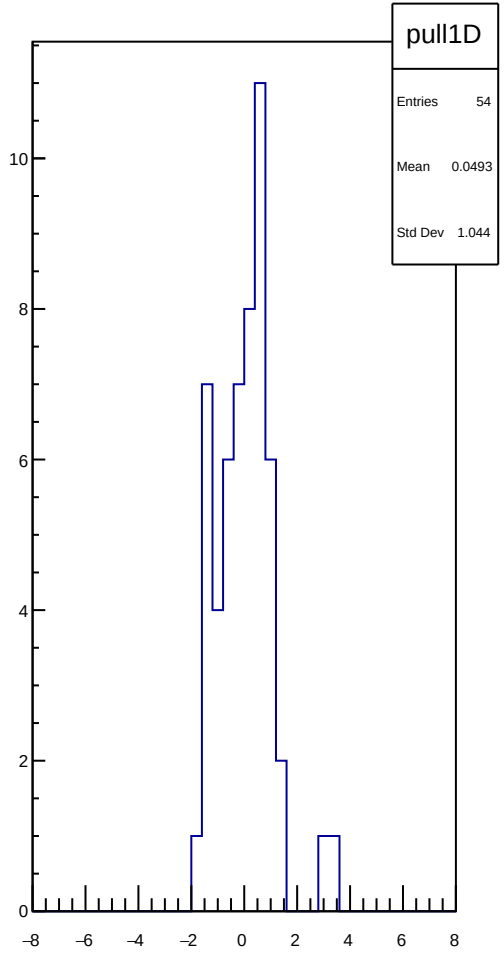
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

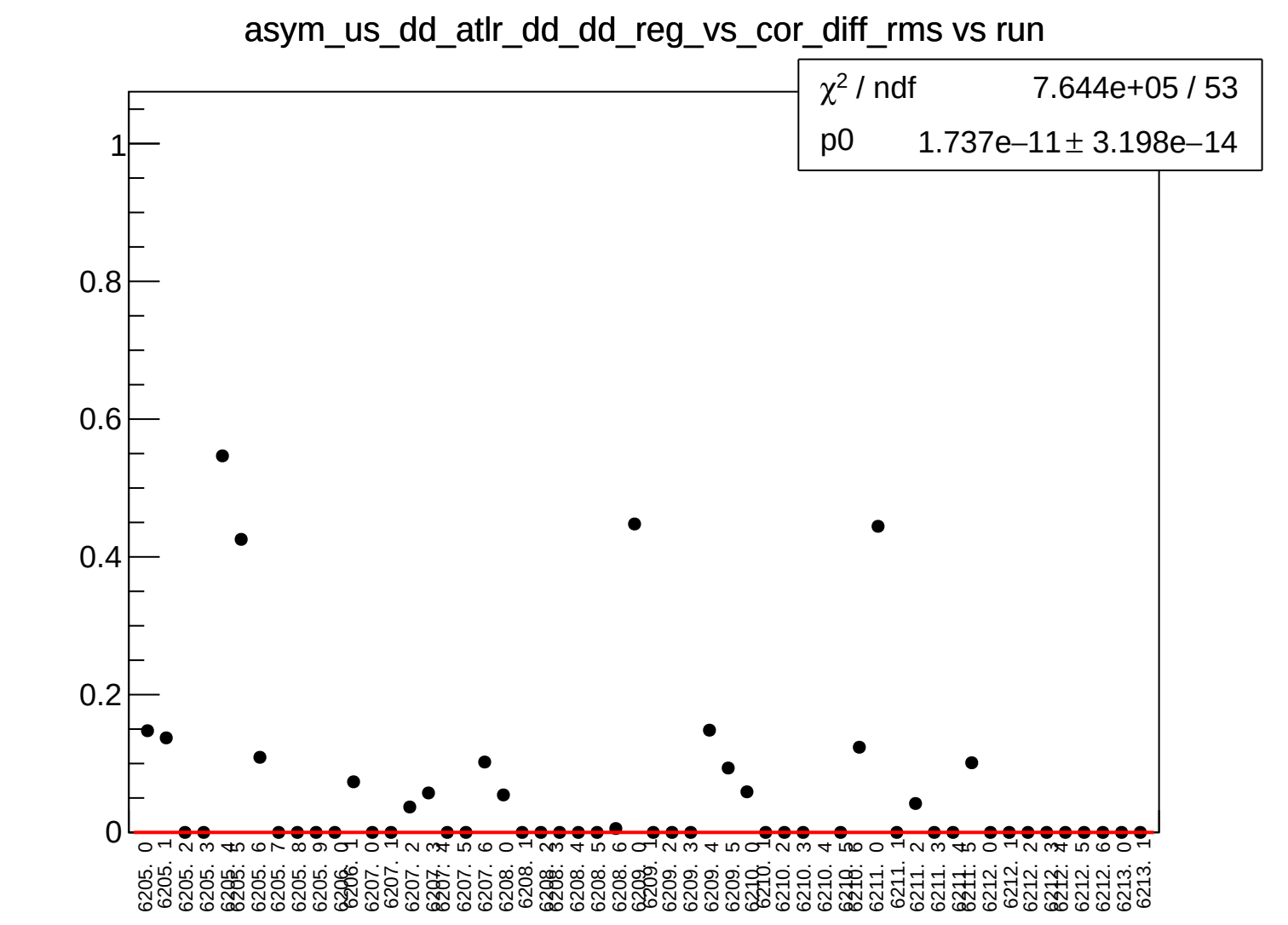

asym_us_dd_atlr_dd_dd_mean vs run
χ² / ndf 55.86 / 53
p0 −852.5 ± 1577
pull
Entries 54
Mean −19.11
Std Dev 0

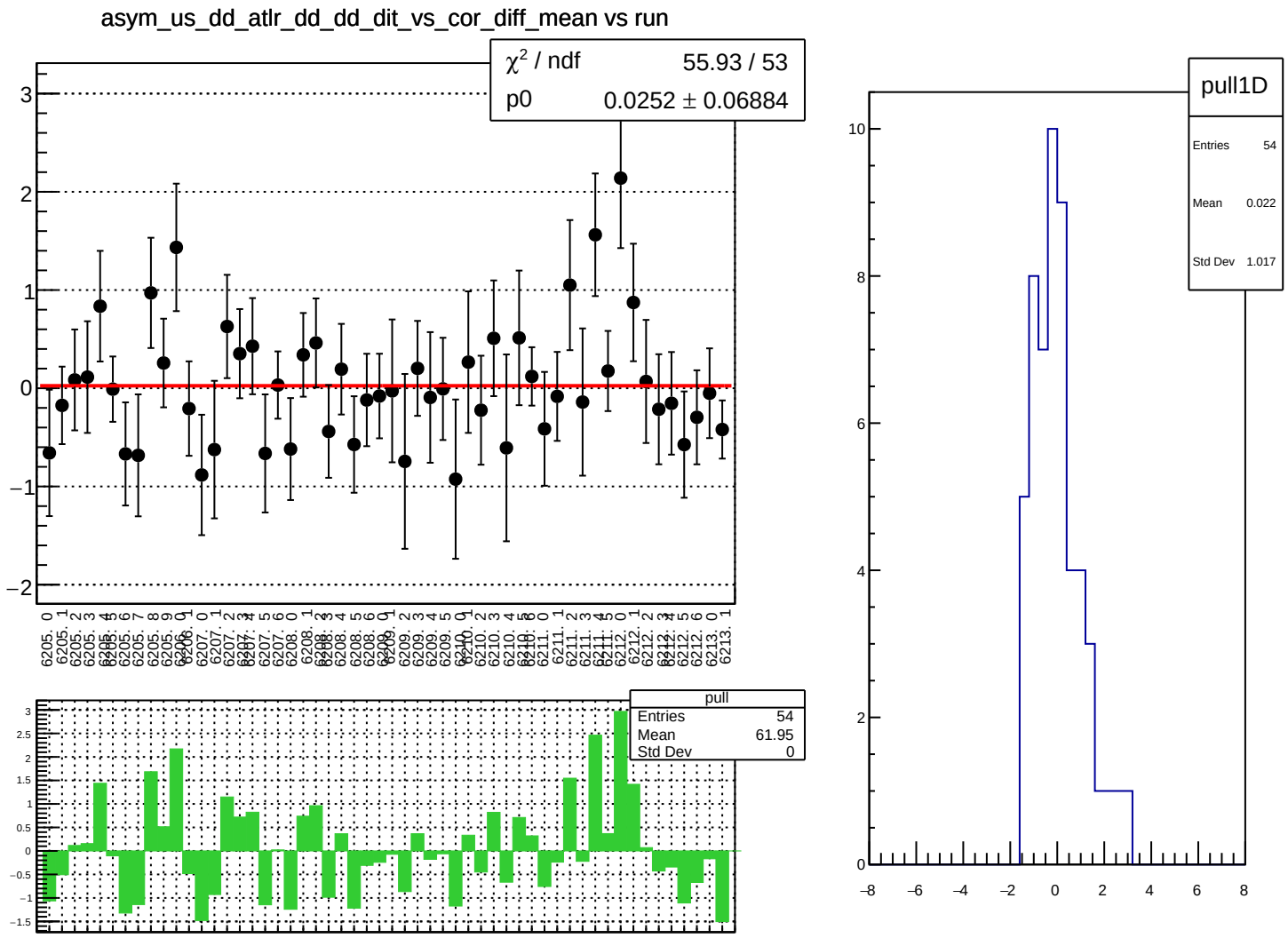

pull1D
Entries 54
Mean −0.01657
Std Dev 1.017

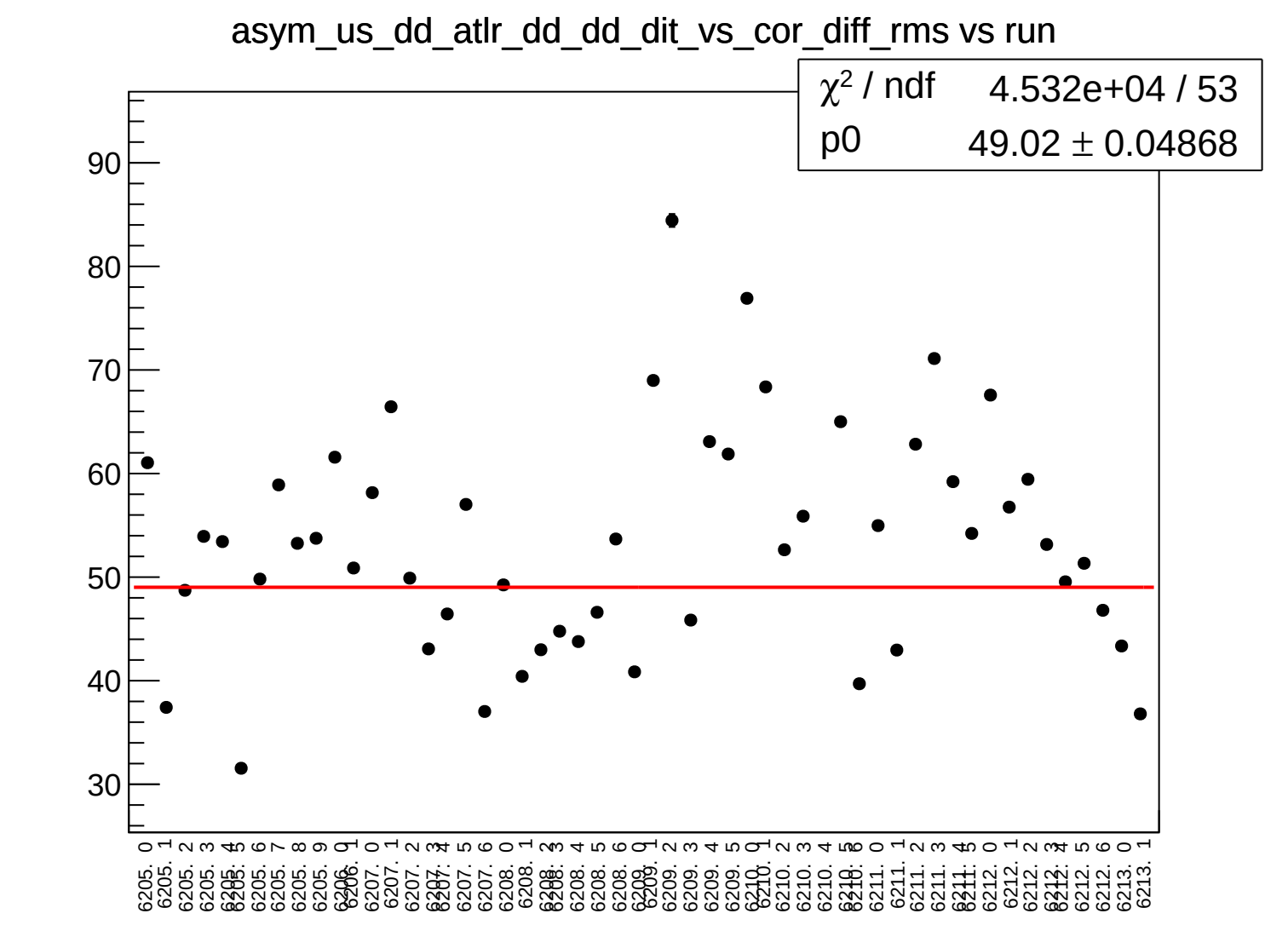

asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 50.04 / 53
p0 1148 ± 1.115
1170
1160
1150
1140
1130
1120
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

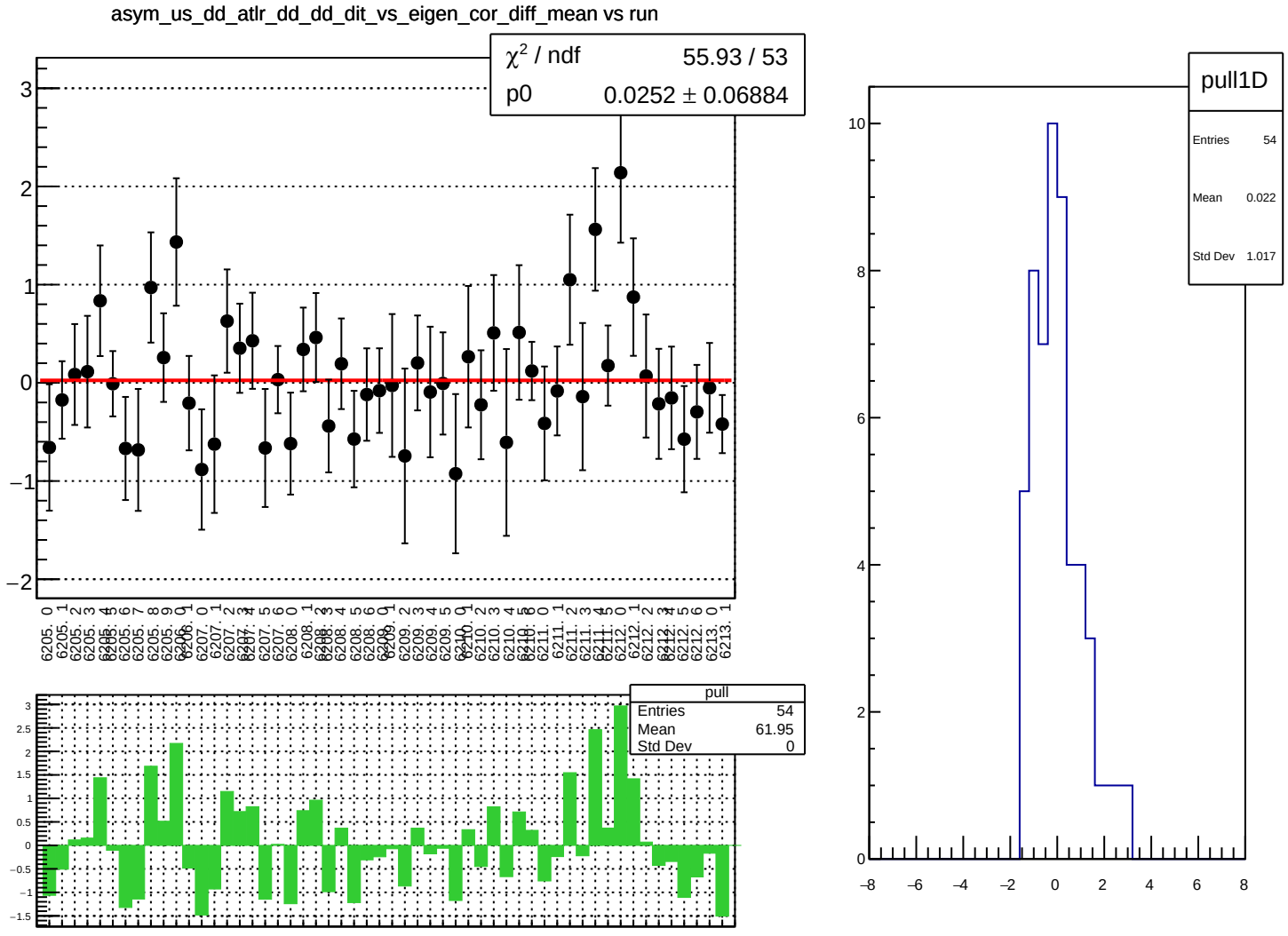

asym_us_dd_atlr_dd_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 59 / 53
p0 −3.957e−14 ± 4.523e−14
pull
Entries 54
Mean 30.98
Std Dev 20.63

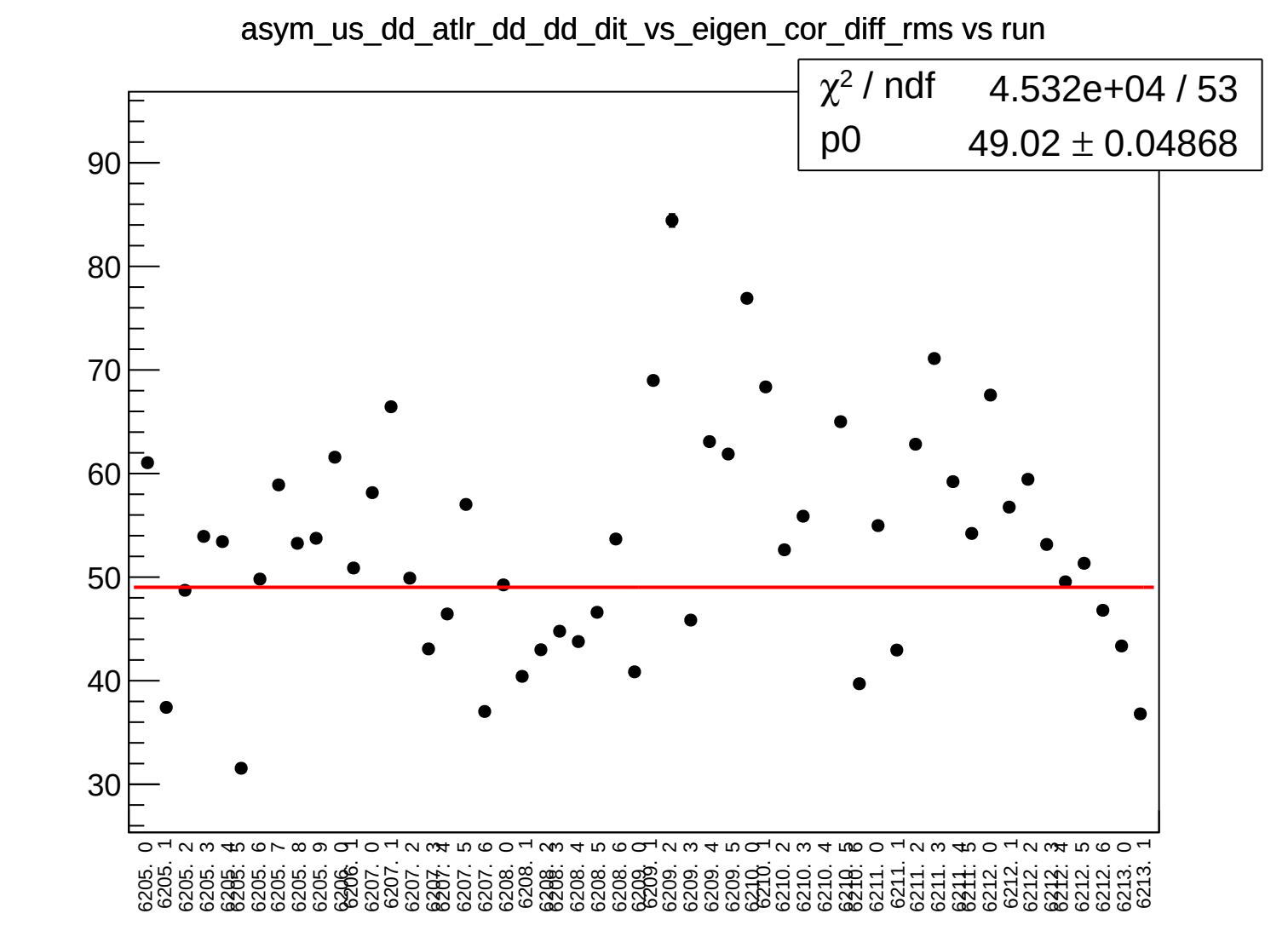

pull1D
Entries 54
Mean 0.0493
Std Dev 1.044

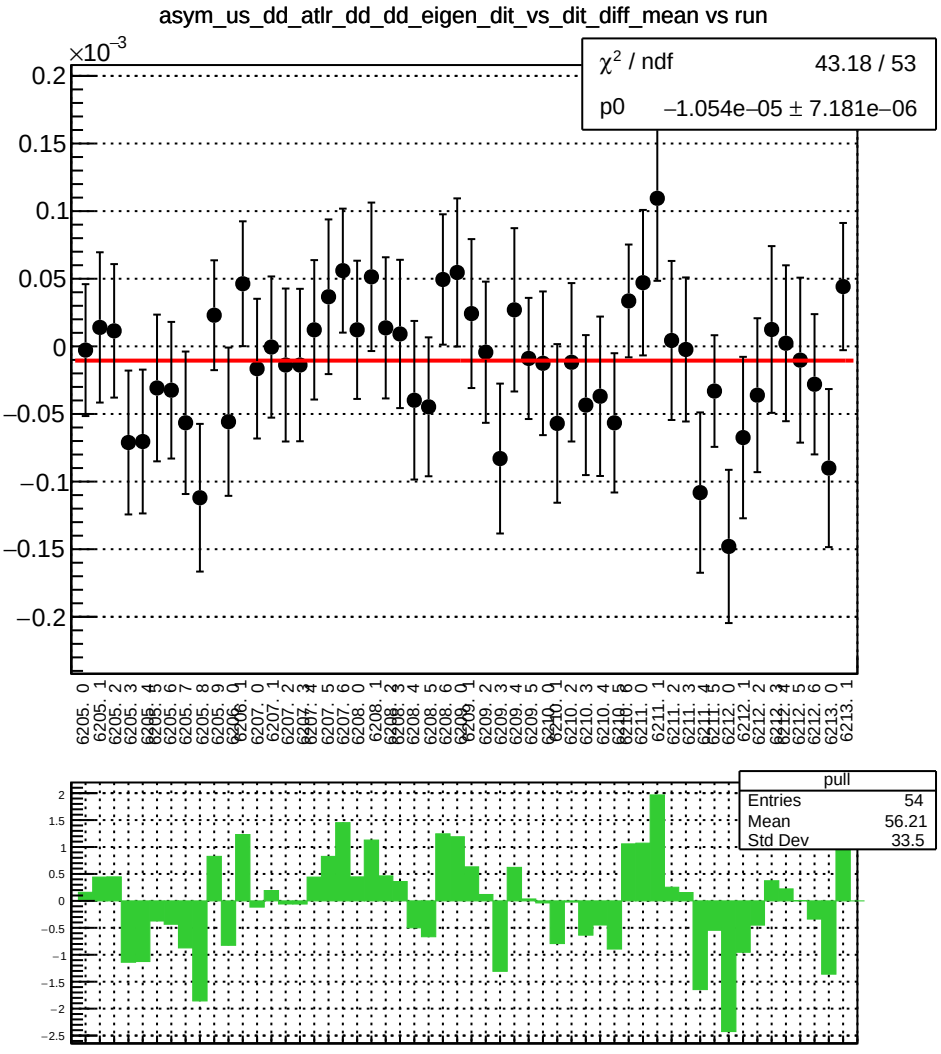

asym_us_dd_atlr_dd_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 7.644e+05 / 53
p0 1.737e−11 ± 3.198e−14
1
0.8
0.6
0.4
0.2
0
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 1
6207. 0
6207. 10
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 1
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 6
6213. 0
6213. 1

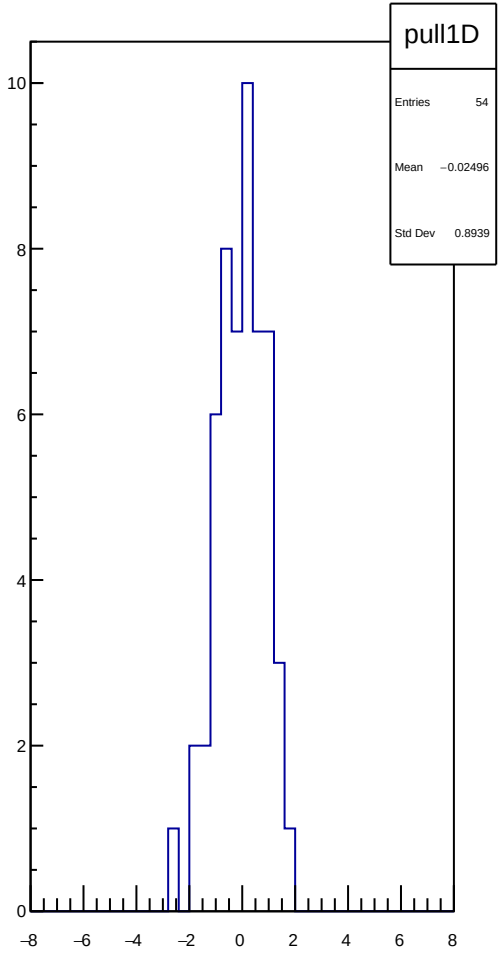

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 55.93 / 53
p0 0.0252 ± 0.06884
pull
Entries 54
Mean 61.95
Std Dev 0
pull1D
Entries 54
Mean 0.022
Std Dev 1.017

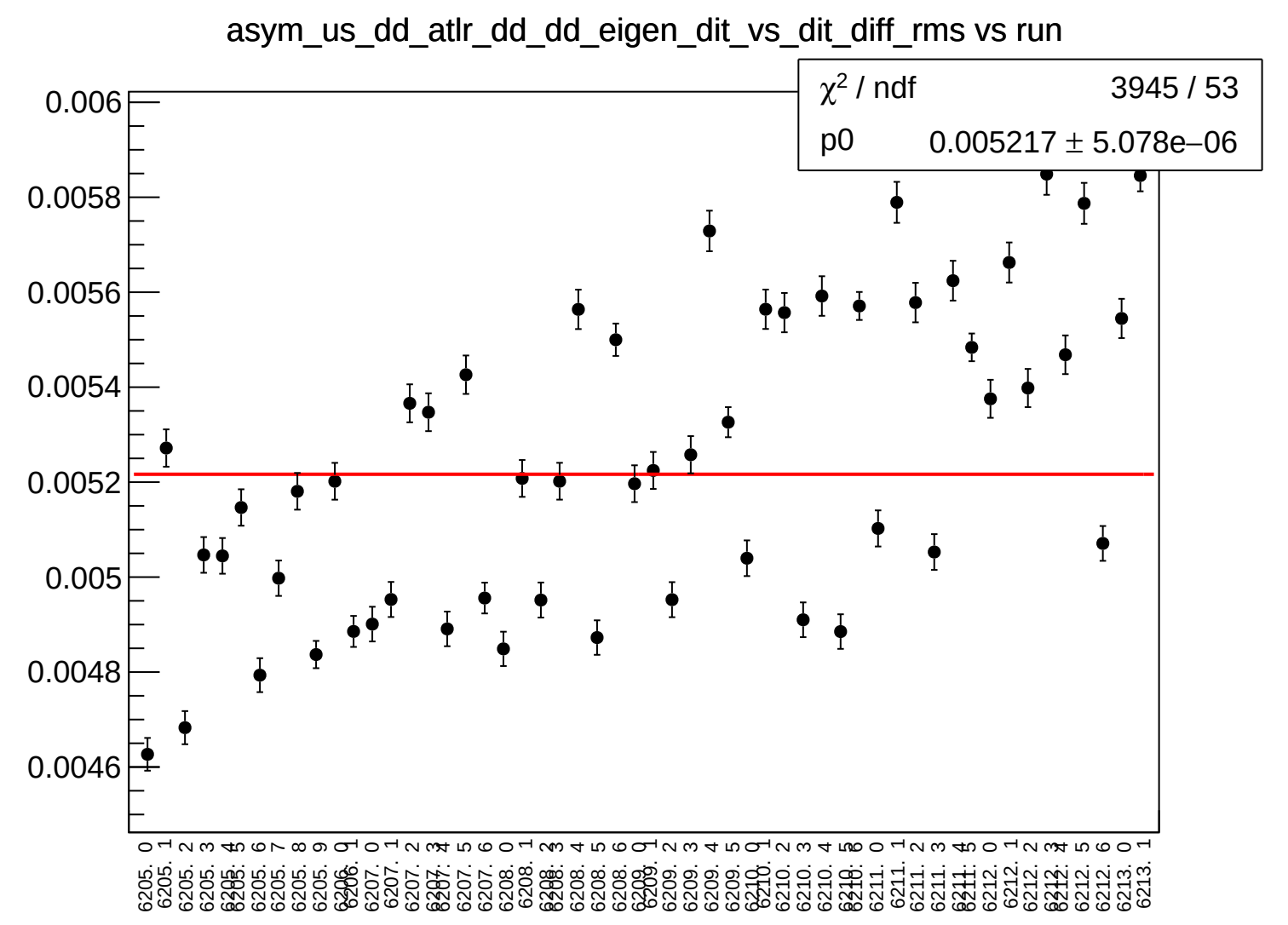

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 4.532e+04 / 53
p0 49.02 ± 0.04868
90
80
70
60
50
40
30

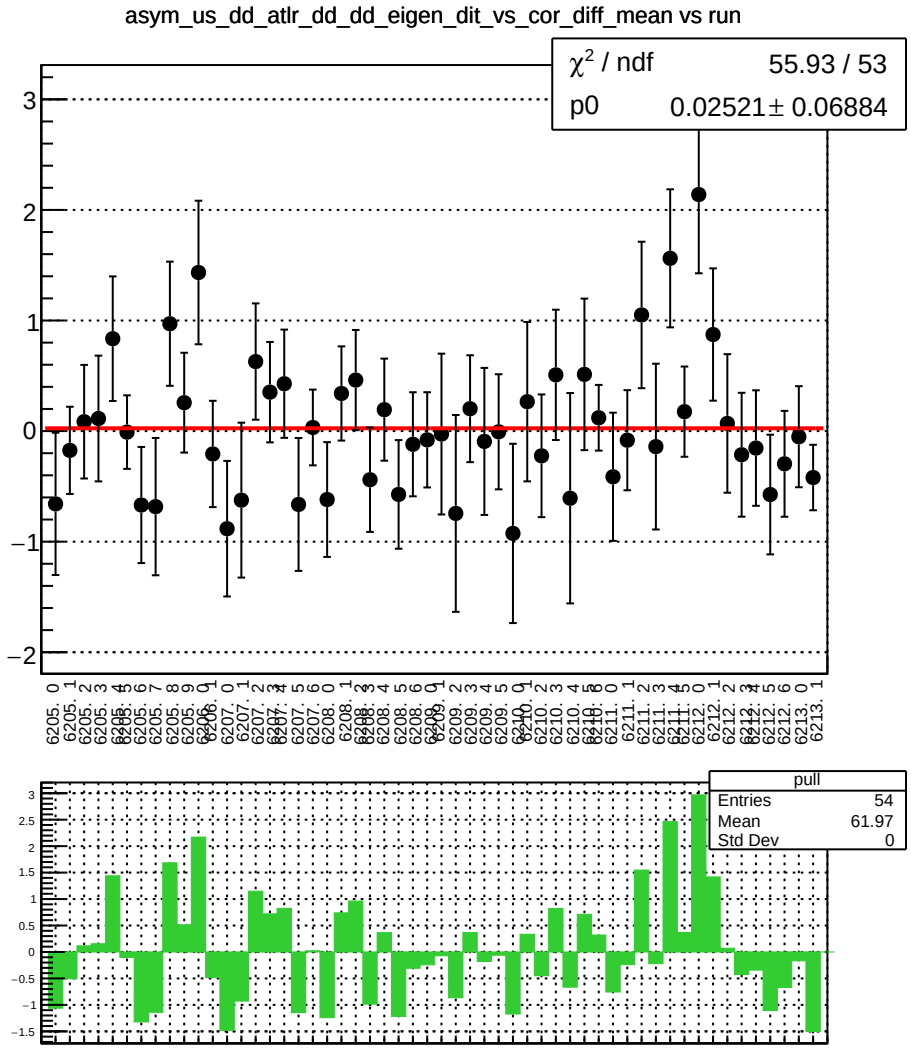

asym_us_dd_atlr_dd_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 55.93 / 53
p0 0.0252 ± 0.06884
pull
Entries 54
Mean 61.95
Std Dev 0
pull1D
Entries 54
Mean 0.022
Std Dev 1.017

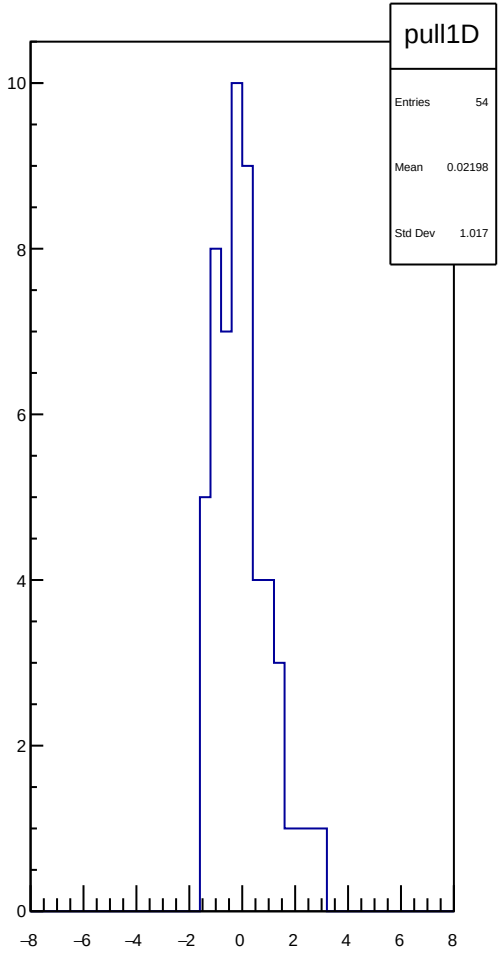

asym_us_dd_atlr_dd_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.532e+04 / 53
p0 49.02 ± 0.04868
90
80
70
60
50
40
30
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 1
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

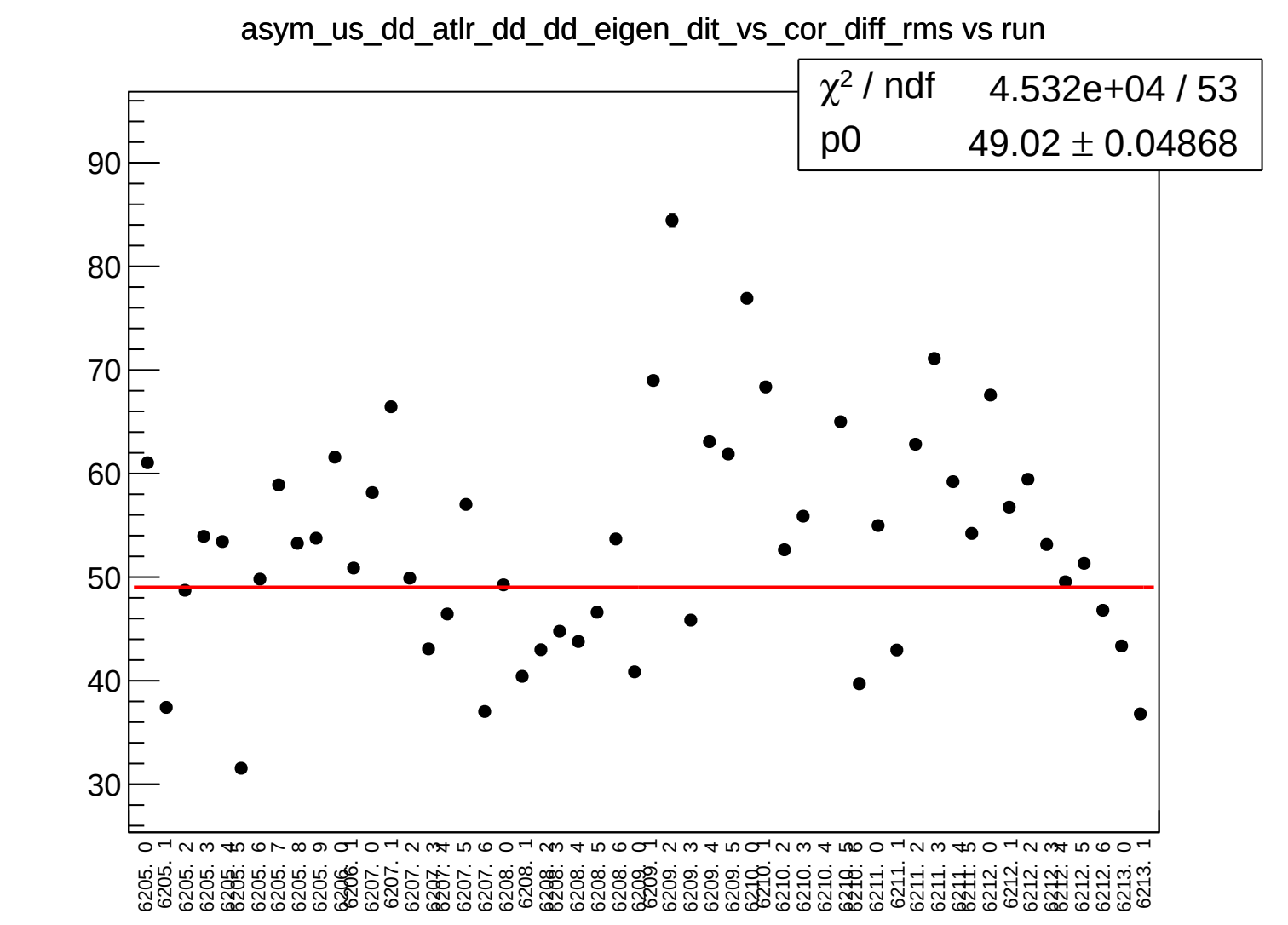

asym_us_dd_atlr_dd_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 43.18 / 53
p0 −1.054e−05 ± 7.181e−06
pull
Entries 54
Mean 56.21
Std Dev 33.5

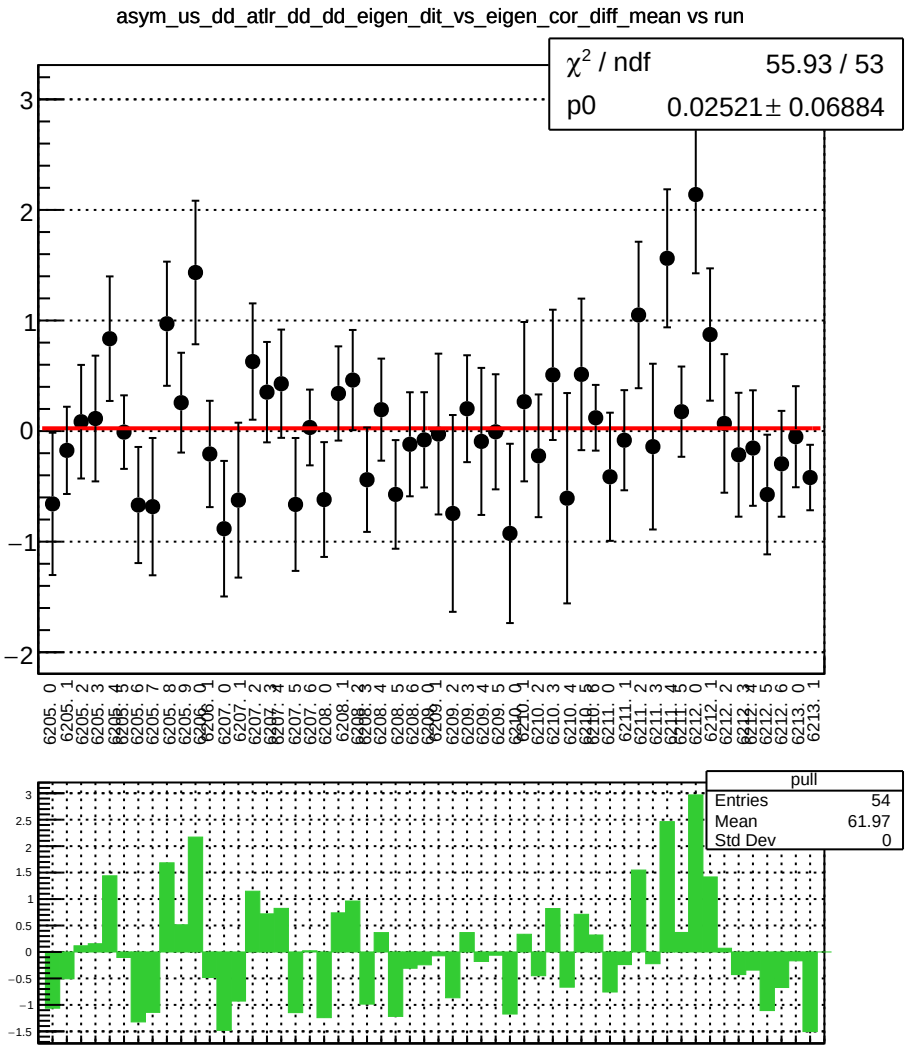

pull1D
Entries 54
Mean −0.02496
Std Dev 0.8939

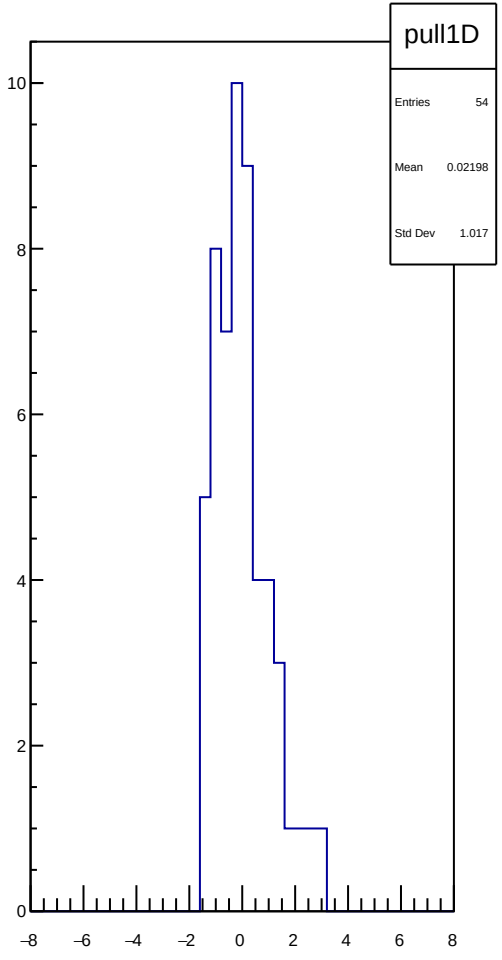

asym_us_dd_atlr_dd_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3945 / 53
p0 0.005217 ± 5.078e−06
0.006
0.0058
0.0056
0.0054
0.0052
0.005
0.0048
0.0046
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

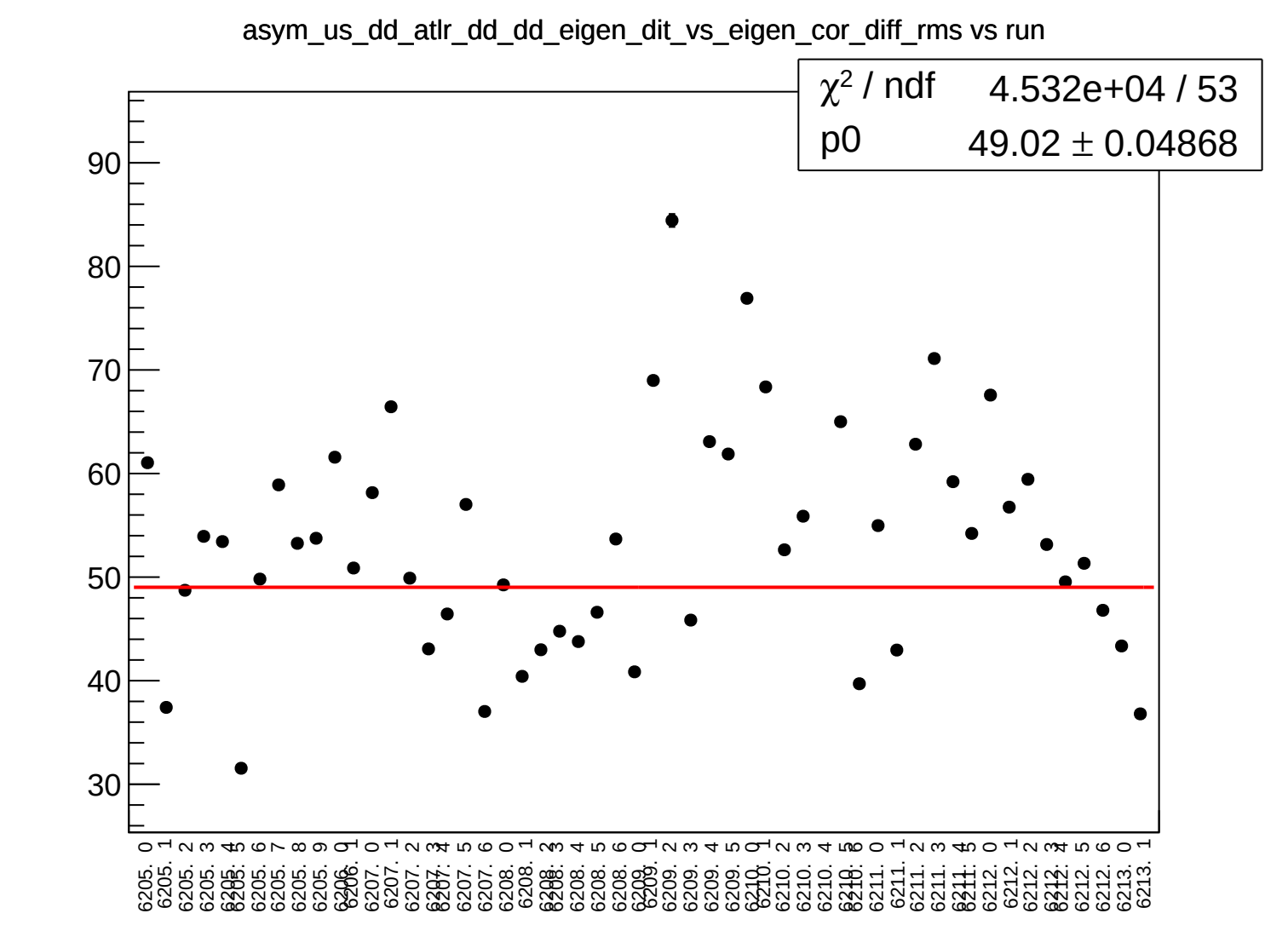

asym_us_dd_atlr_dd_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 55.93 / 53
p0 0.02521 ± 0.06884
pull
Entries 54
Mean 61.97
Std Dev 0

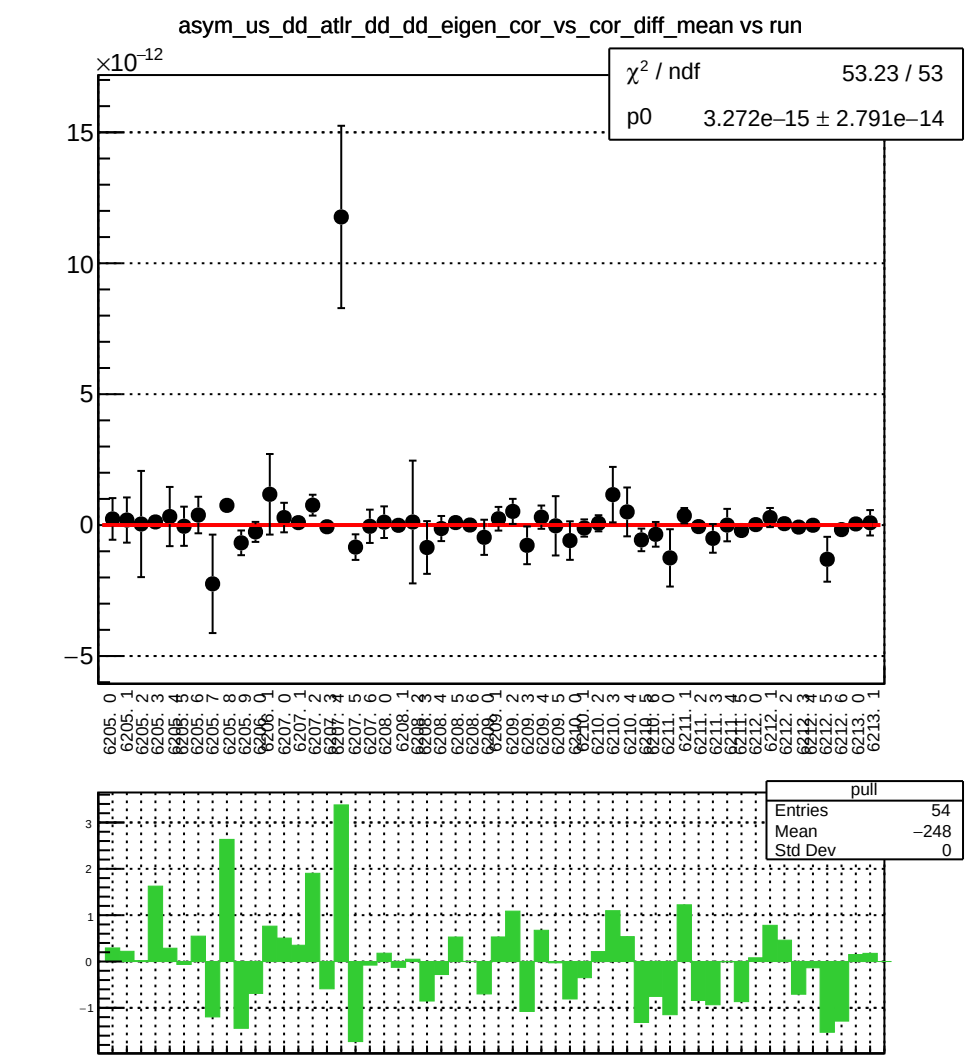

pull1D
Entries 54
Mean 0.02198
Std Dev 1.017

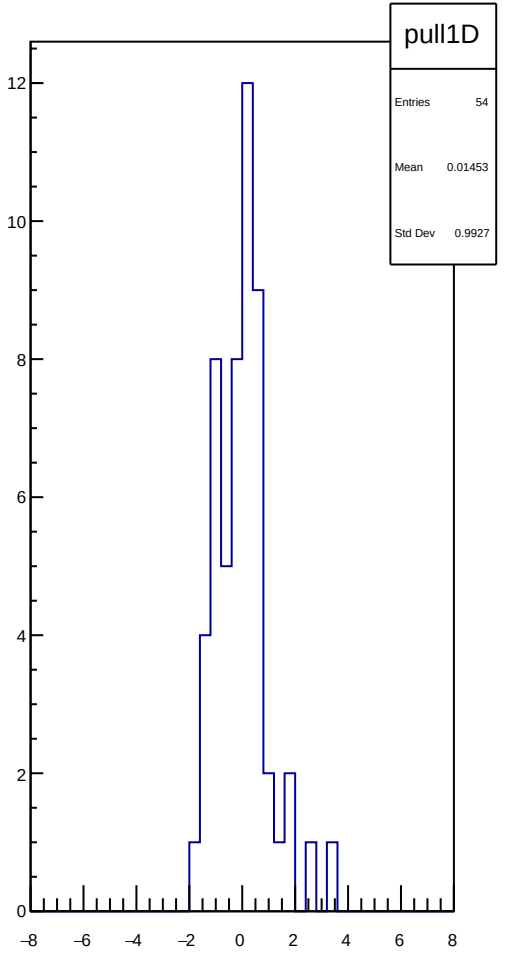

asym_us_dd_atlr_dd_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.532e+04 / 53
p0 49.02 ± 0.04868
90
80
70
60
50
40
30
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

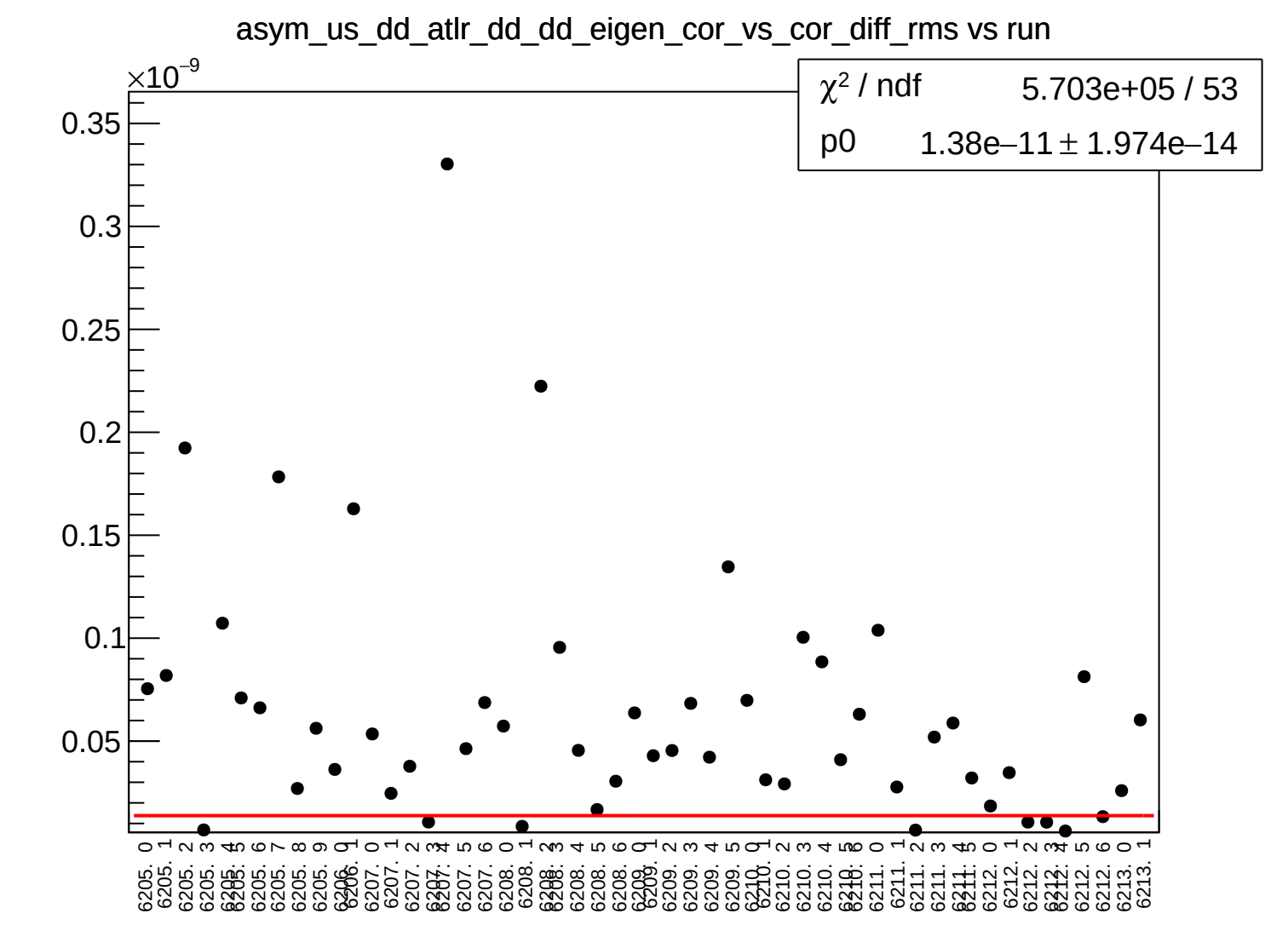

asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 55.93 / 53
p0 0.02521 ± 0.06884
pull
Entries 54
Mean 61.97
Std Dev 0

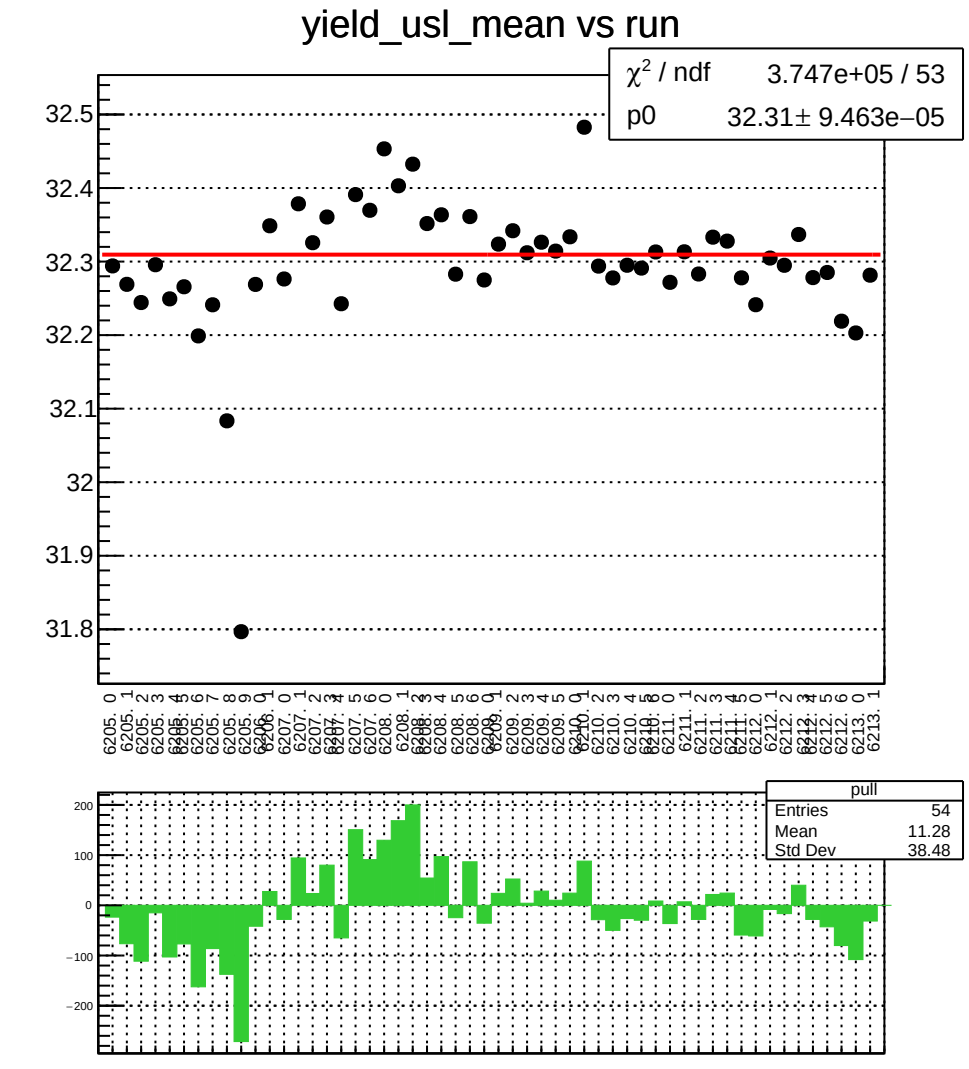

pull1D
Entries 54
Mean 0.02198
Std Dev 1.017

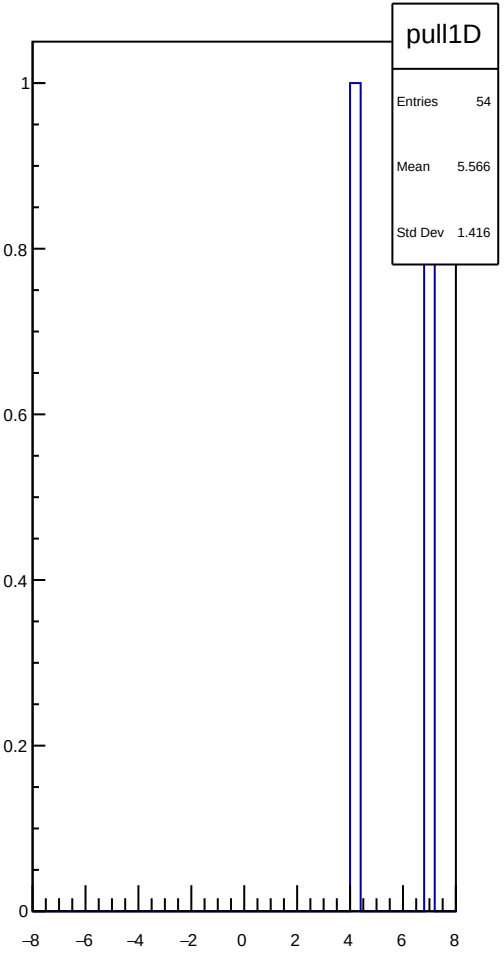

asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.532e+04 / 53
p0 49.02 ± 0.04868
90
80
70
60
50
40
30
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

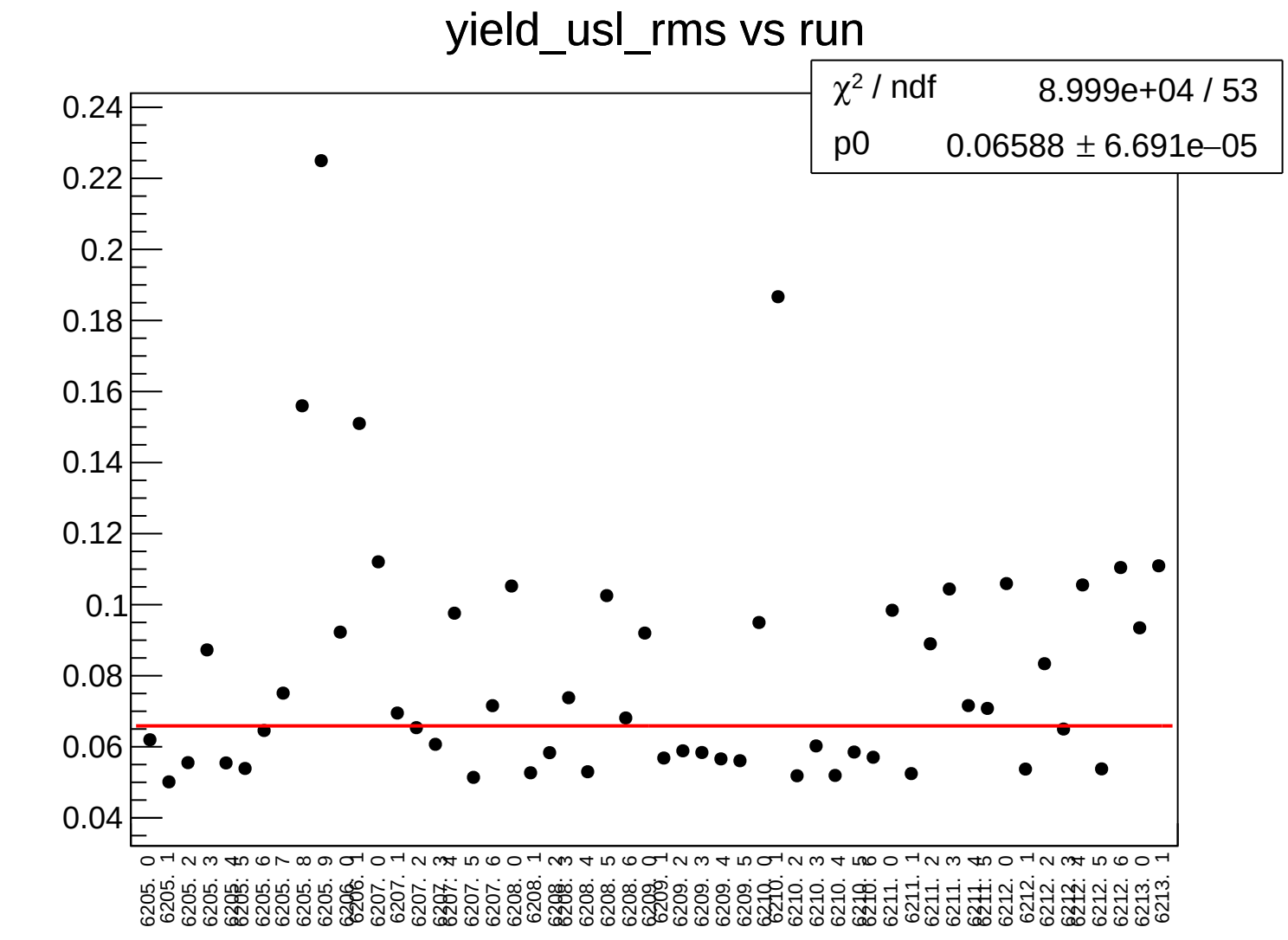

asym_us_dd_atlr_dd_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 53.23 / 53
p0 3.272e−15 ± 2.791e−14
15
10
5
0
−5
pull
Entries 54
Mean −248
Std Dev 0
3
2
1
0
−1

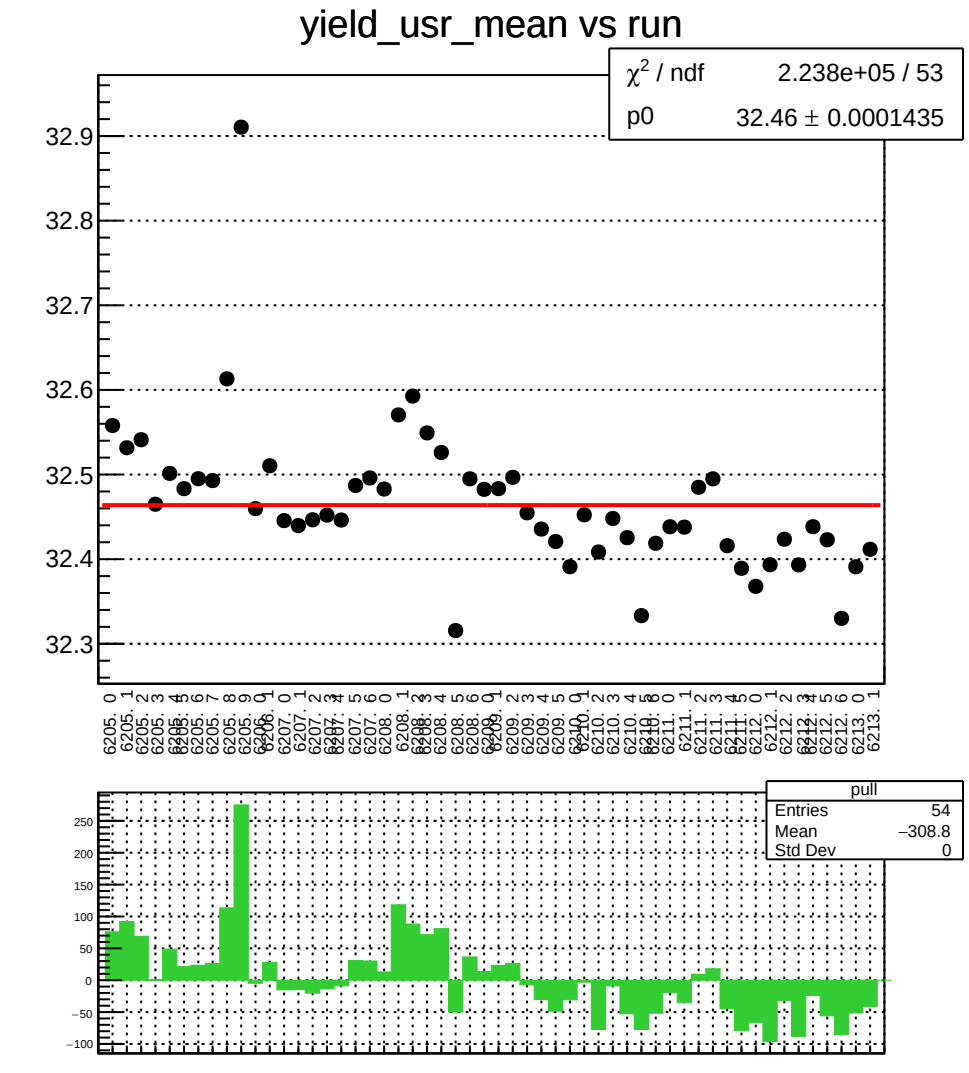

pull1D
Entries 54
Mean 0.01453
Std Dev 0.9927
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

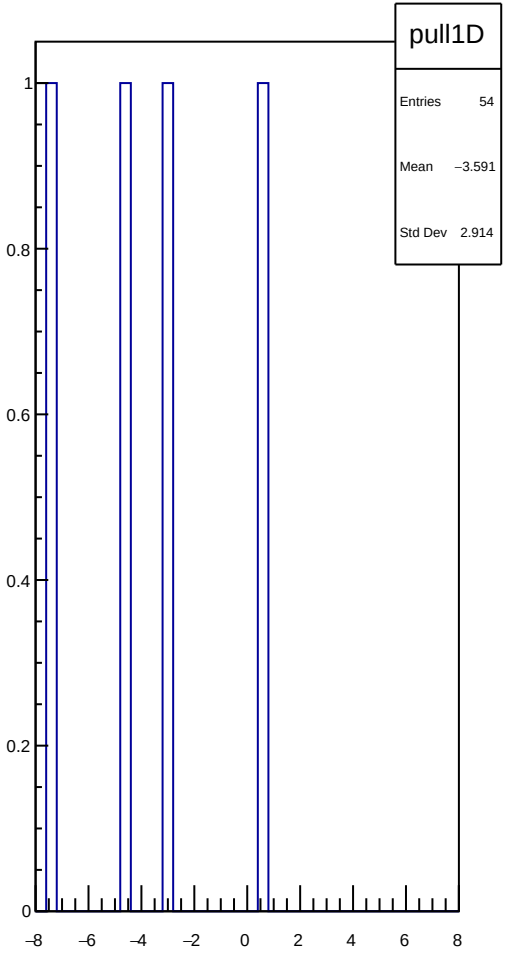

asym_us_dd_atlr_dd_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.703e+05 / 53
p0 1.38e−11 ± 1.974e−14
0.35
0.3
0.25
0.2
0.15
0.1
0.05

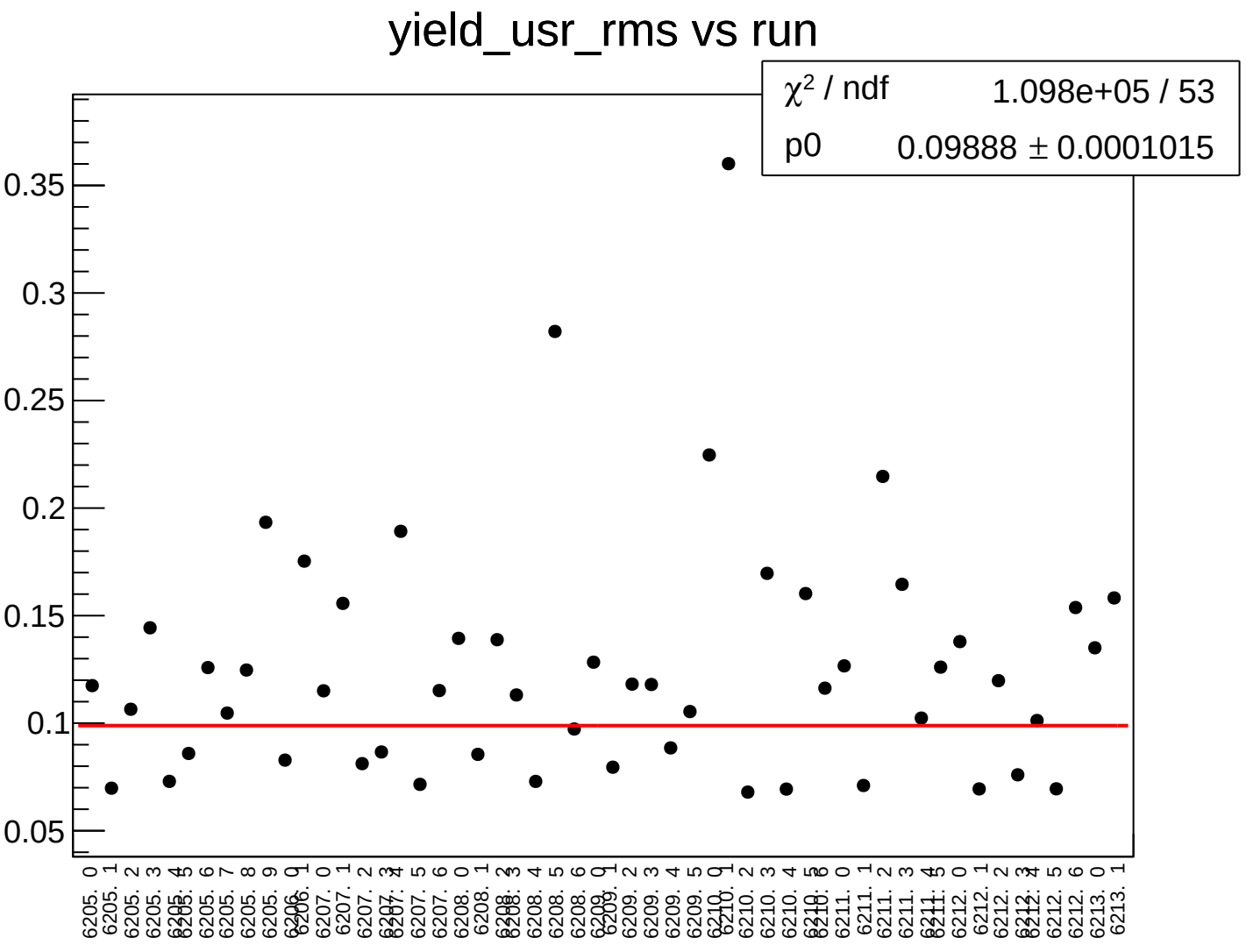

yield_usl_mean vs run
χ² / ndf 3.747e+05 / 53
p0 32.31± 9.463e−05
32.5
32.4
32.3
32.2
32.1
32
31.9
31.8
pull
Entries 54
Mean 11.28
Std Dev 38.48
200
100
0
−100
−200

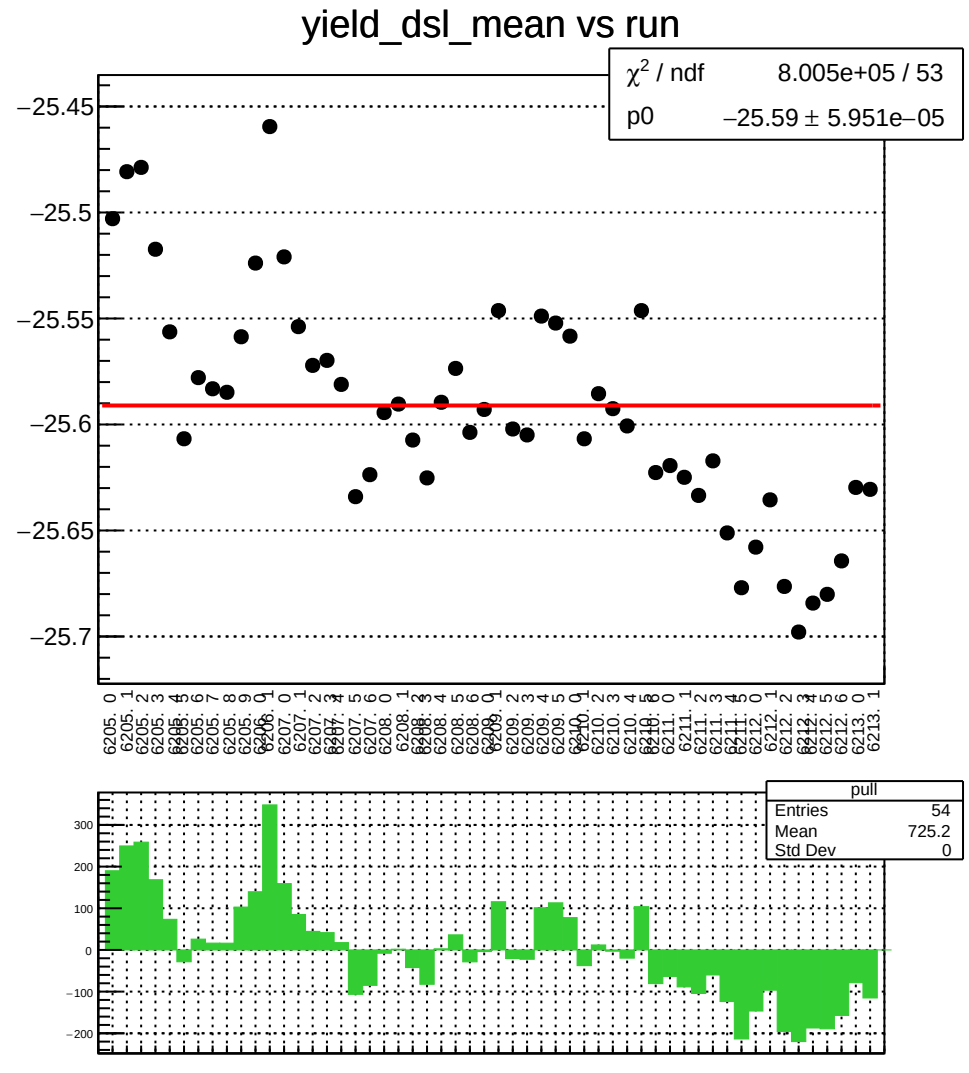

pull1D
Entries 54
Mean 5.566
Std Dev 1.416
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

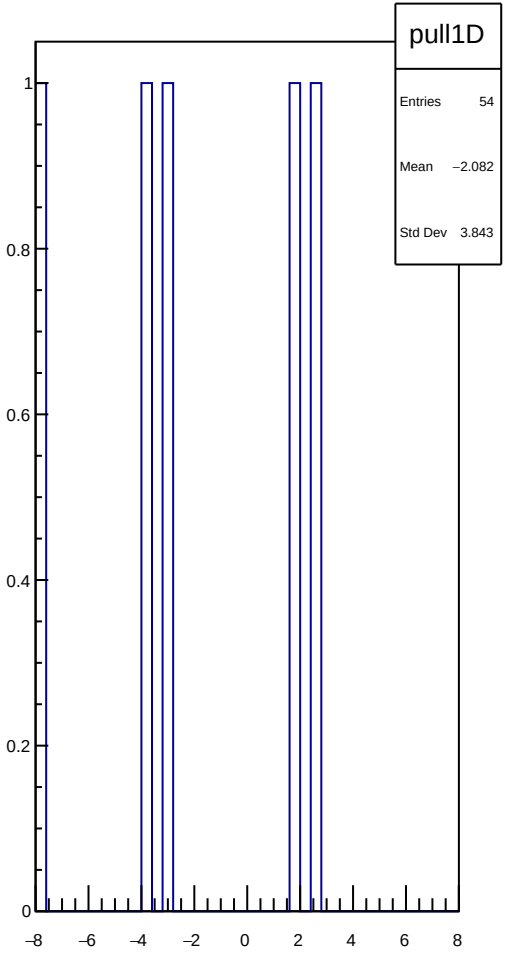

yield_usl_rms vs run
χ² / ndf 8.999e+04 / 53
p0 0.06588 ± 6.691e–05
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 1
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 1
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

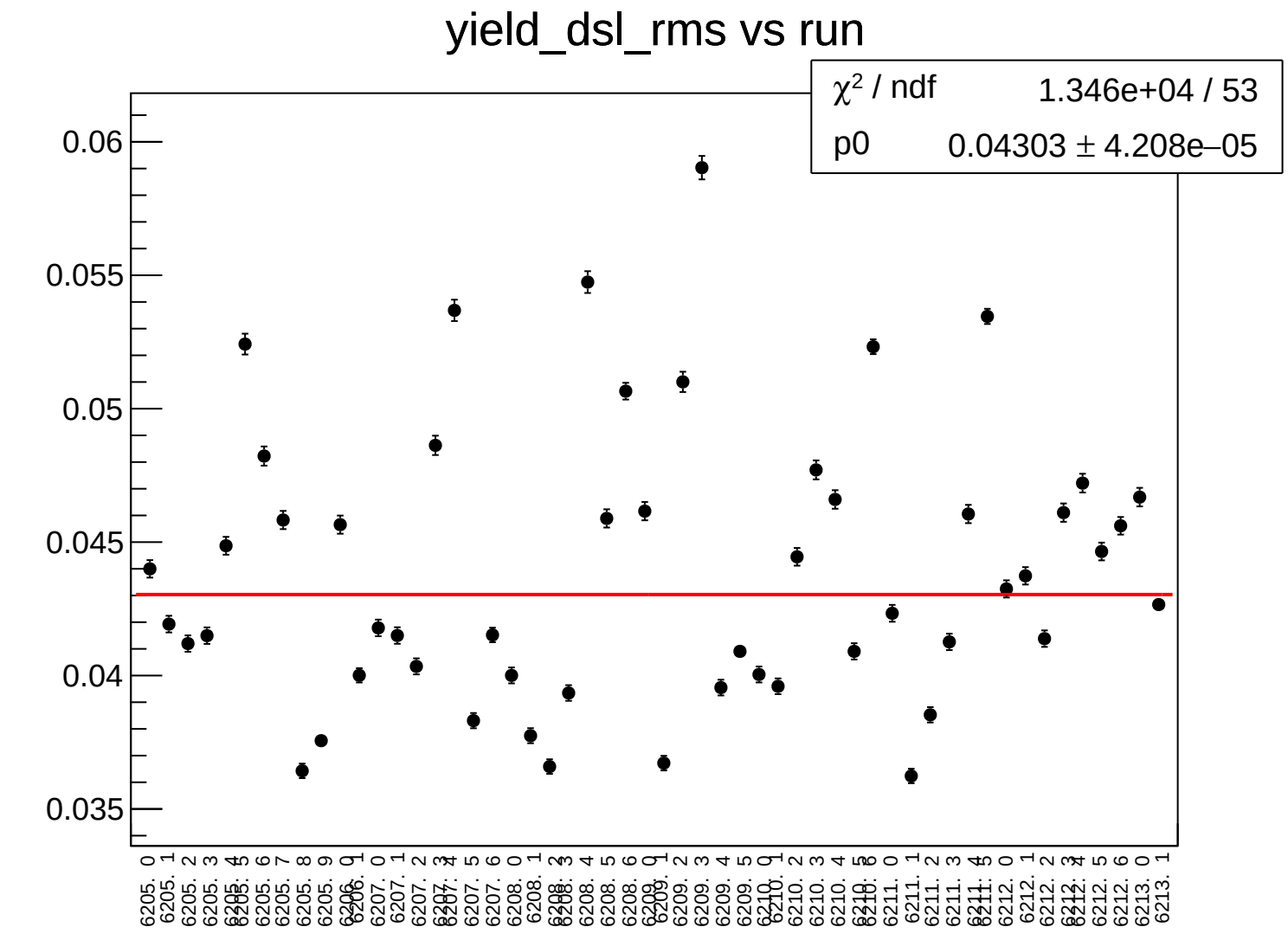

yield_usr_mean vs run
χ² / ndf 2.238e+05 / 53
p0 32.46 ± 0.0001435
32.9
32.8
32.7
32.6
32.5
32.4
32.3
pull
Entries 54
Mean −308.8
Std Dev 0
250
200
150
100
50
0
−50
−100

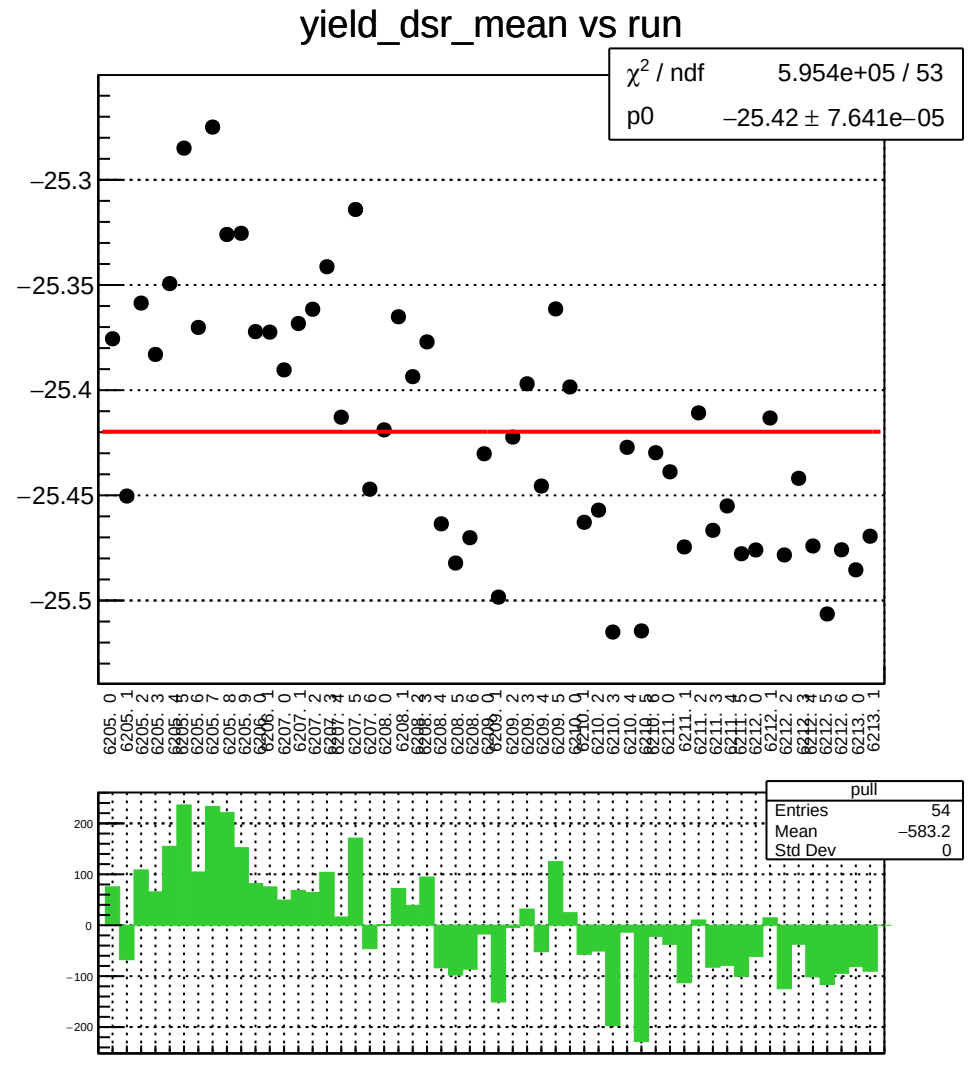

pull1D
Entries 54
Mean −3.591
Std Dev 2.914
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

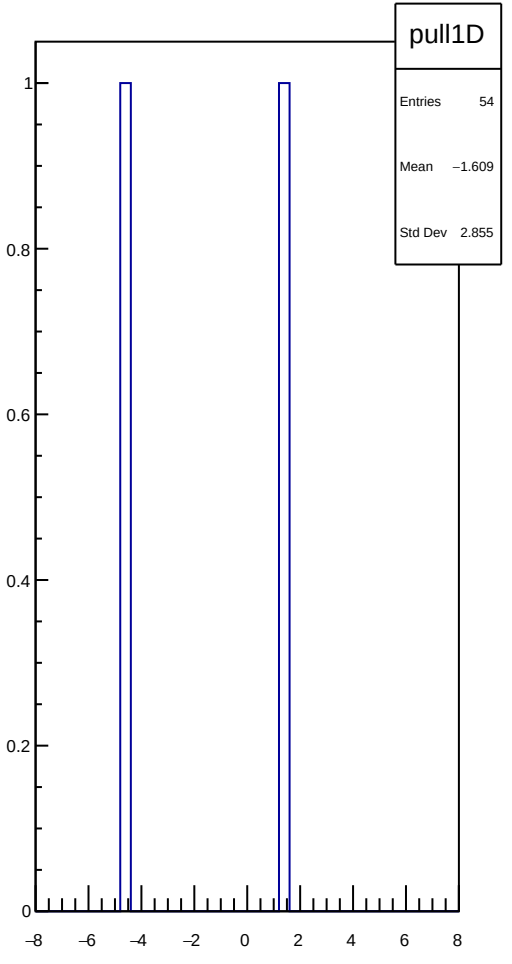

yield_usr_rms vs run
χ² / ndf 1.098e+05 / 53
p0 0.09888 ± 0.0001015
0.35
0.3
0.25
0.2
0.15
0.1
0.05
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

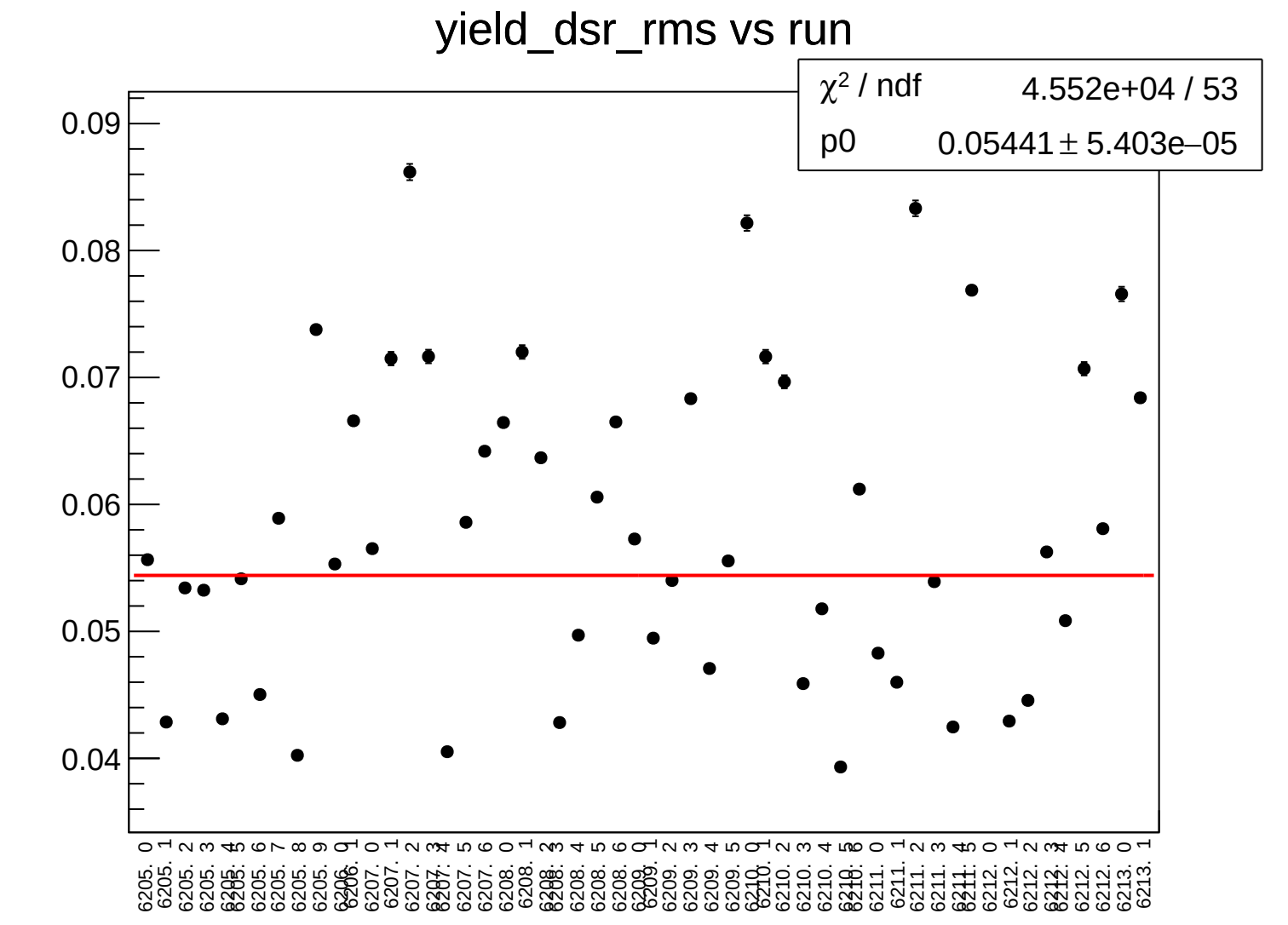

yield_dsl_mean vs run
χ² / ndf 8.005e+05 / 53
p0 −25.59 ± 5.951e−05
−25.45
−25.5
−25.55
−25.6
−25.65
−25.7
pull
Entries 54
Mean 725.2
Std Dev 0
300
200
100
0
−100
−200

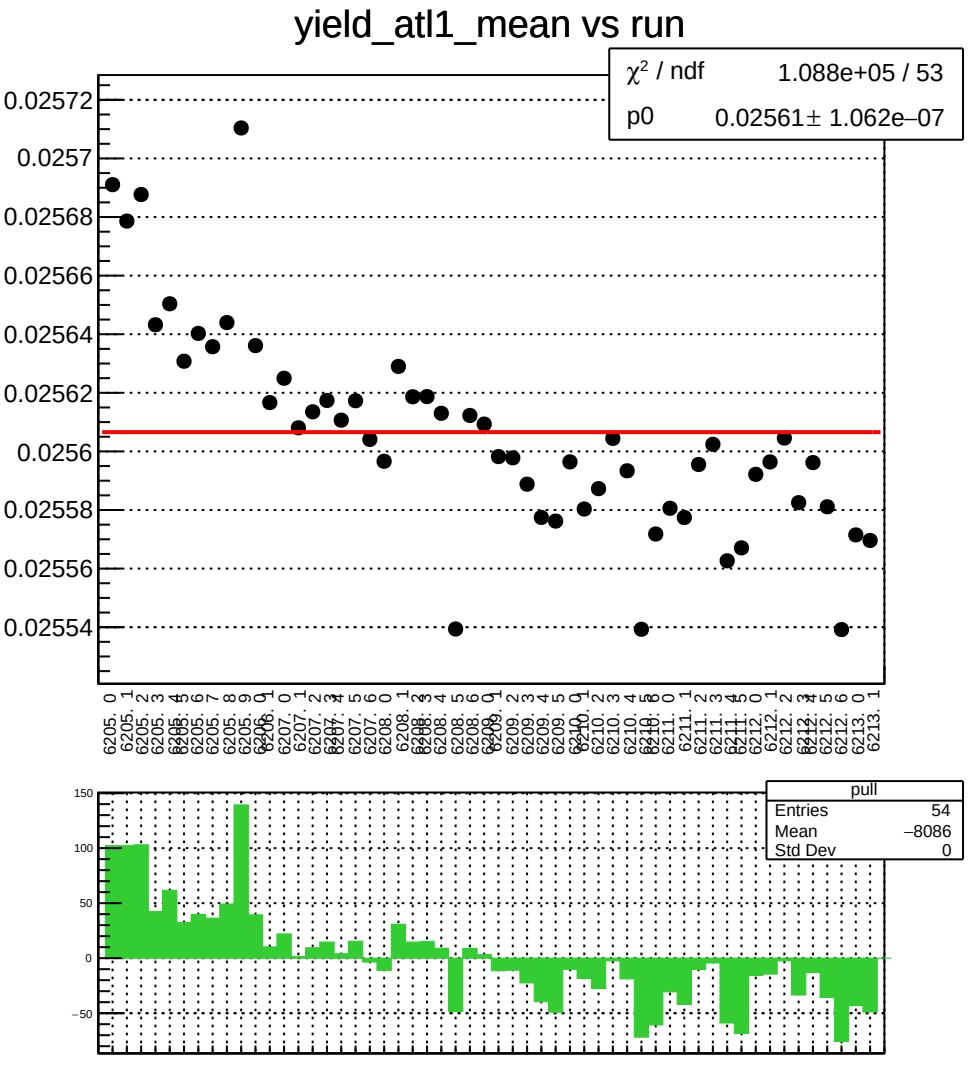

pull1D
Entries 54
Mean −2.082
Std Dev 3.843
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

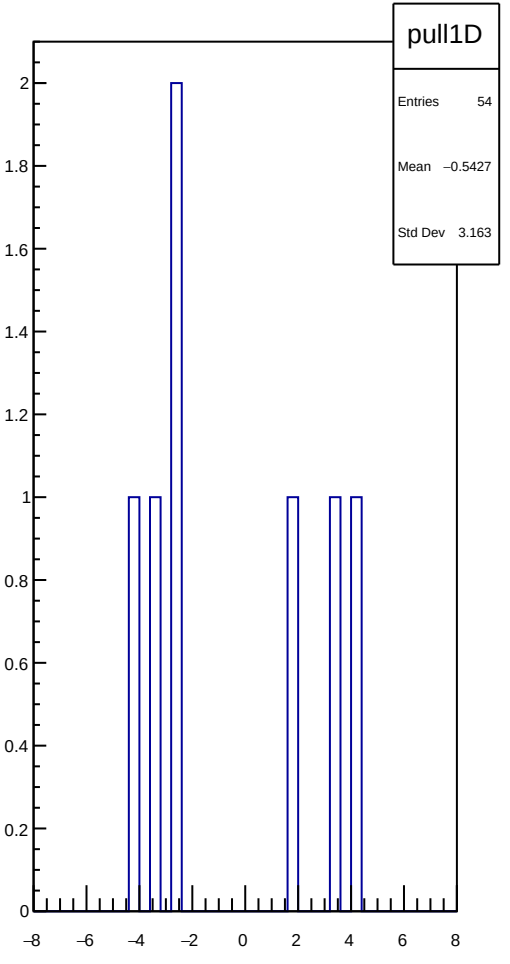

yield_dsl_rms vs run
χ² / ndf 1.346e+04 / 53
p0 0.04303 ± 4.208e–05
0.06
0.055
0.05
0.045
0.04
0.035
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

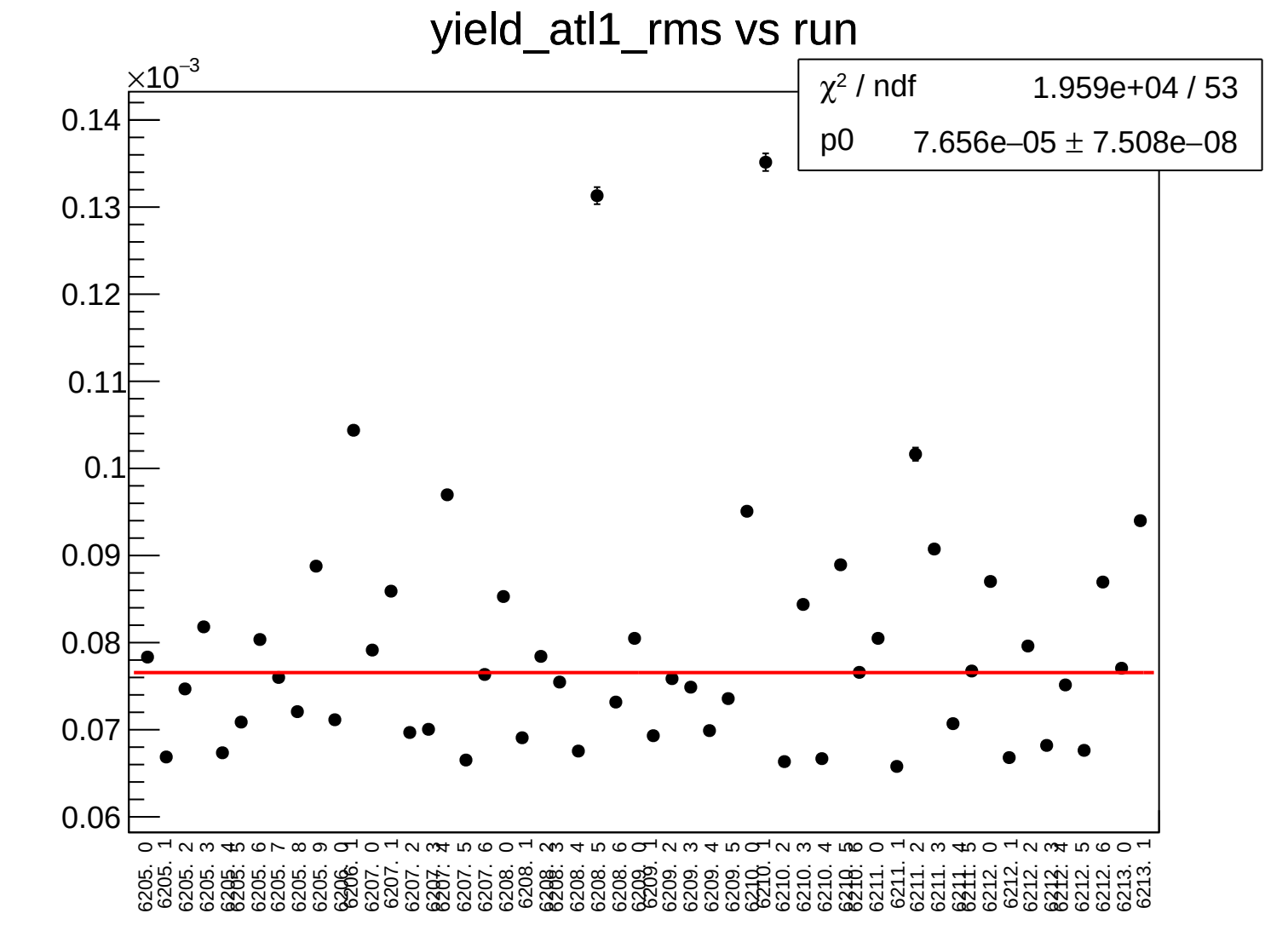

yield_dsr_mean vs run
χ² / ndf 5.954e+05 / 53
p0 −25.42 ± 7.641e−05
−25.3
−25.35
−25.4
−25.45
−25.5
pull
Entries 54
Mean −583.2
Std Dev 0
200
100
0
−100
−200

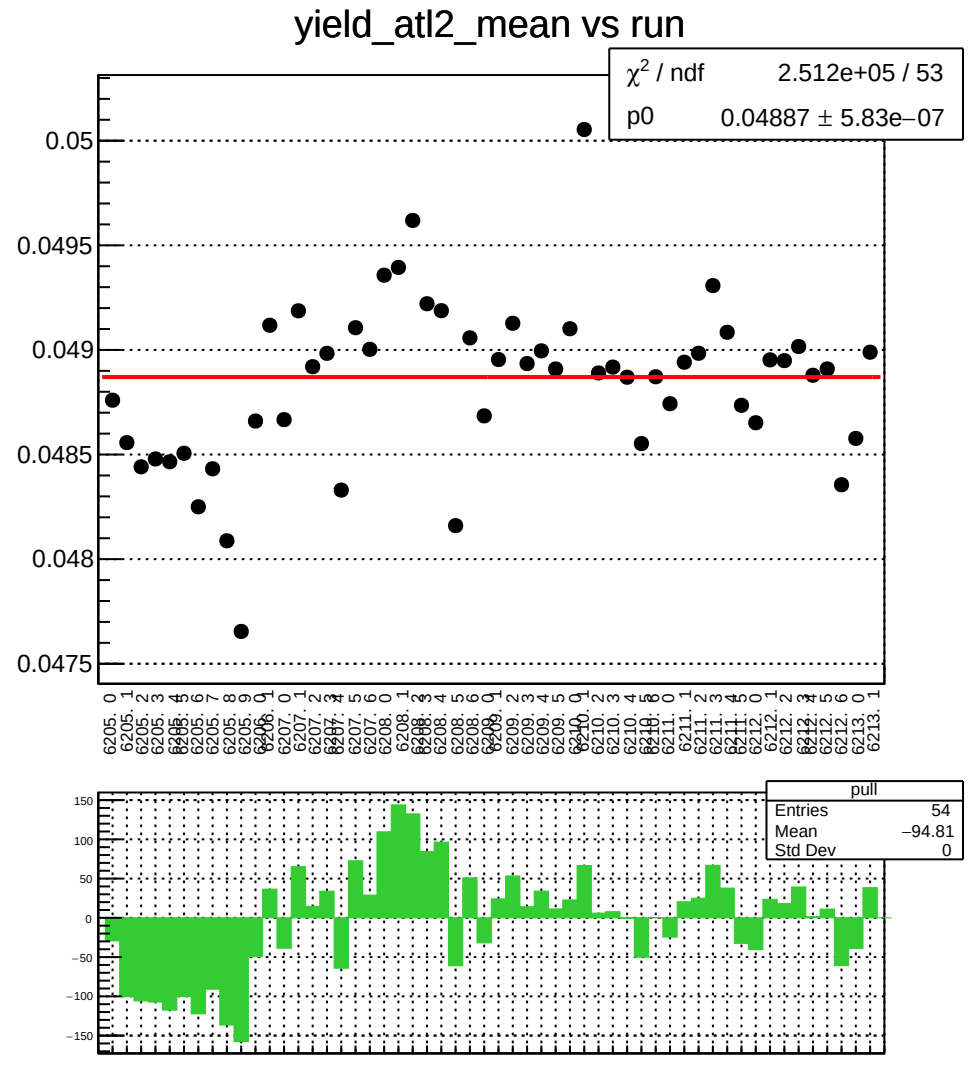

pull1D
Entries 54
Mean −1.609
Std Dev 2.855
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

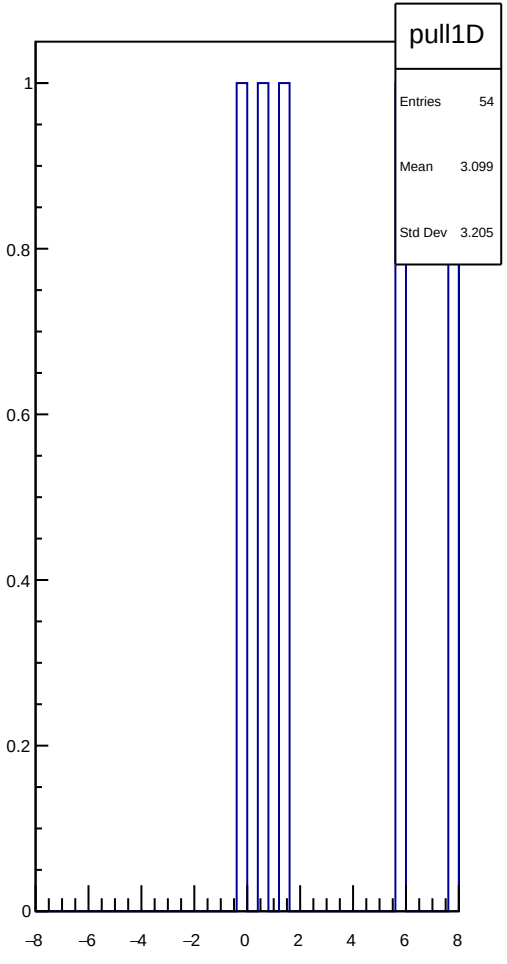

yield_dsr_rms vs run
χ² / ndf 4.552e+04 / 53
p0 0.05441 ± 5.403e−05
0.09
0.08
0.07
0.06
0.05
0.04
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

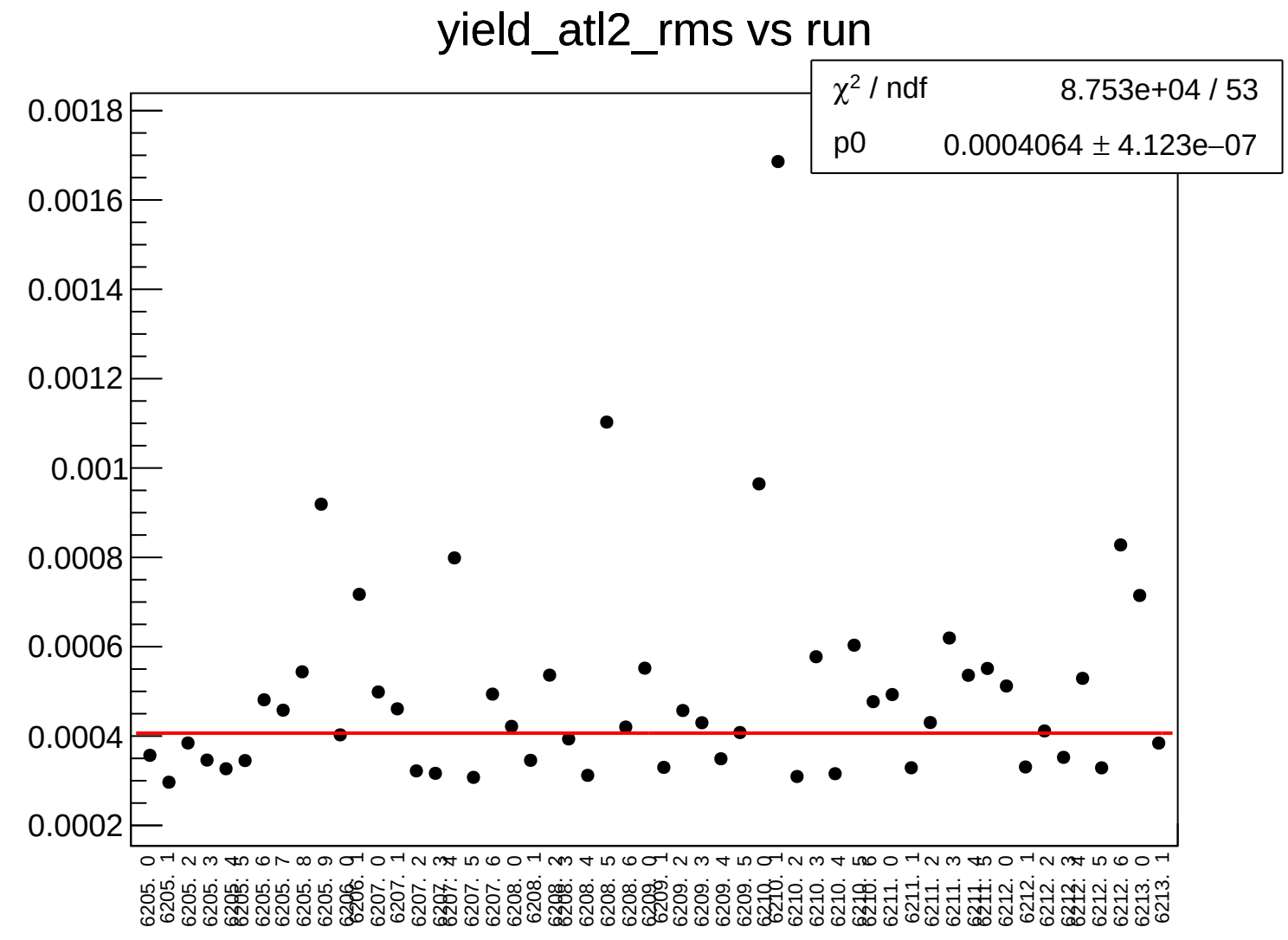

yield_atl1_mean vs run
χ² / ndf 1.088e+05 / 53
p0 0.02561± 1.062e−07
0.02572
0.0257
0.02568
0.02566
0.02564
0.02562
0.0256
0.02558
0.02556
0.02554
pull
Entries 54
Mean −8086
Std Dev 0
150
100
50
0
−50

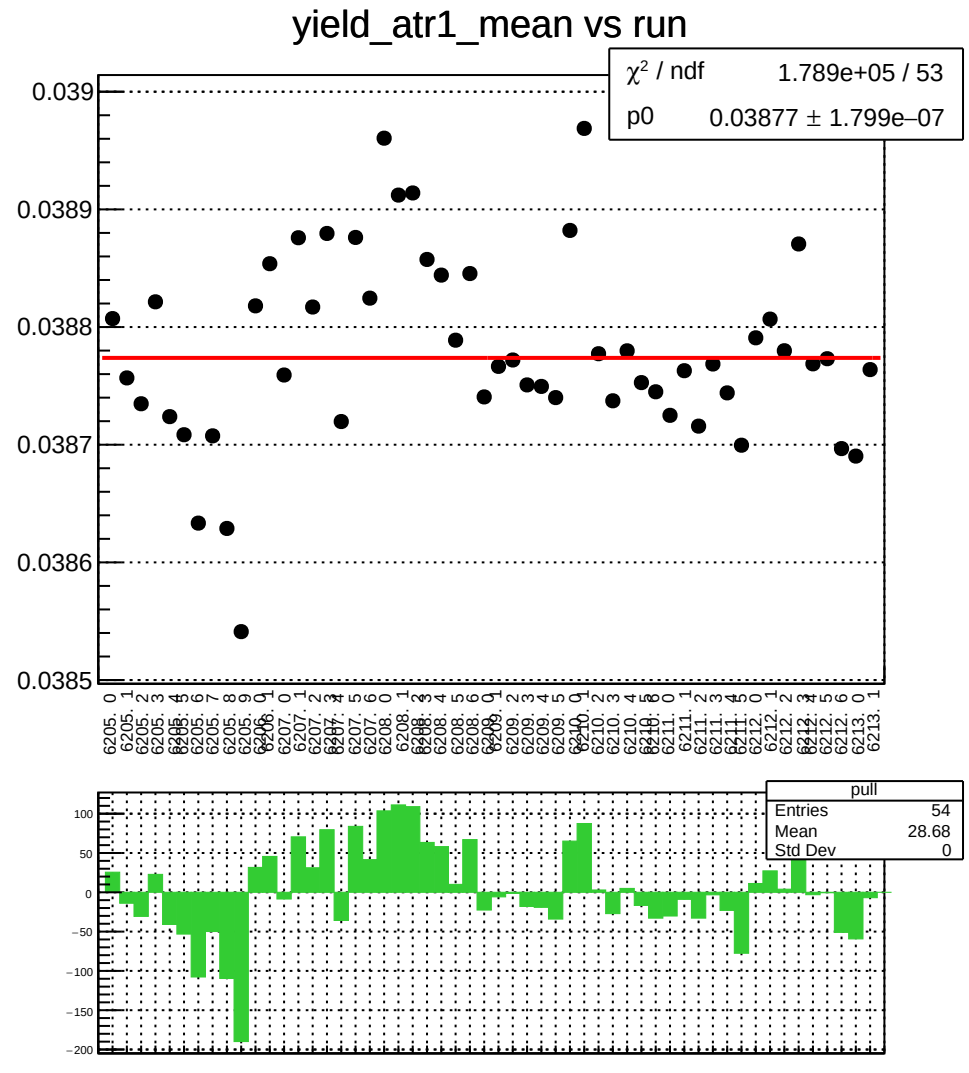

pull1D
Entries 54
Mean −0.5427
Std Dev 3.163
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

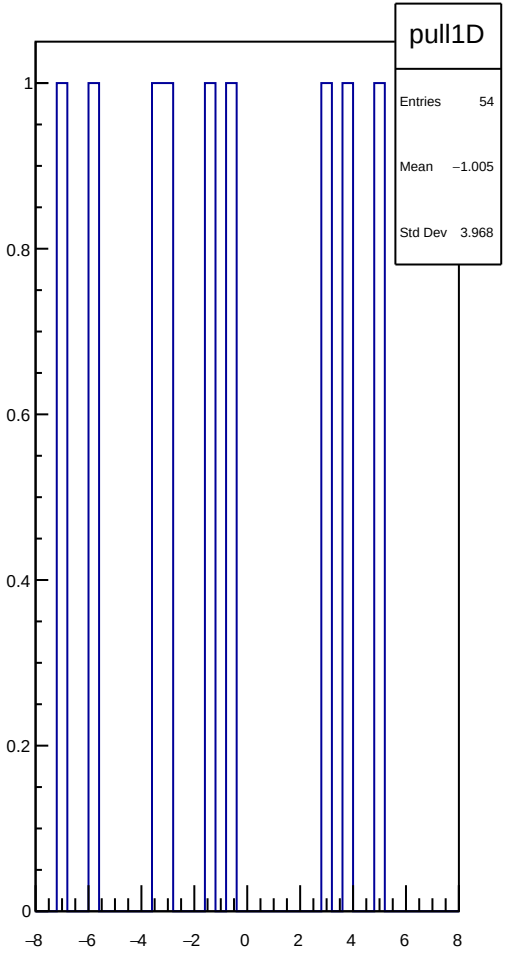

yield_atl1_rms vs run
×10⁻³
χ² / ndf 1.959e+04 / 53
p0 7.656e−05 ± 7.508e−08
0.14
0.13
0.12
0.11
0.1
0.09
0.08
0.07
0.06
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 1
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

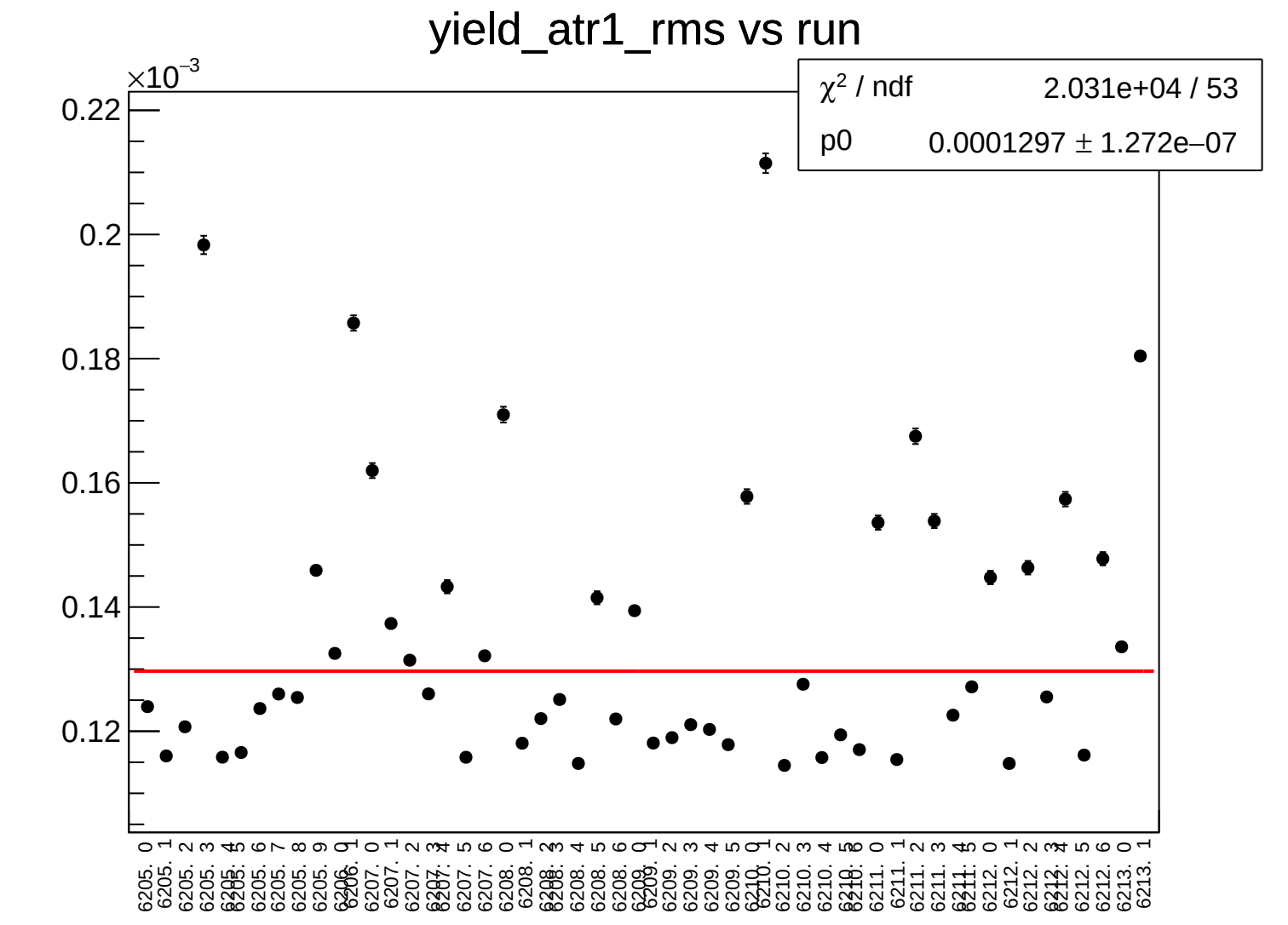

yield_atl2_mean vs run
χ² / ndf 2.512e+05 / 53
p0 0.04887 ± 5.83e−07
0.05
0.0495
0.049
0.0485
0.048
0.0475
pull
Entries 54
Mean −94.81
Std Dev 0
150
100
50
0
−50
−100
−150

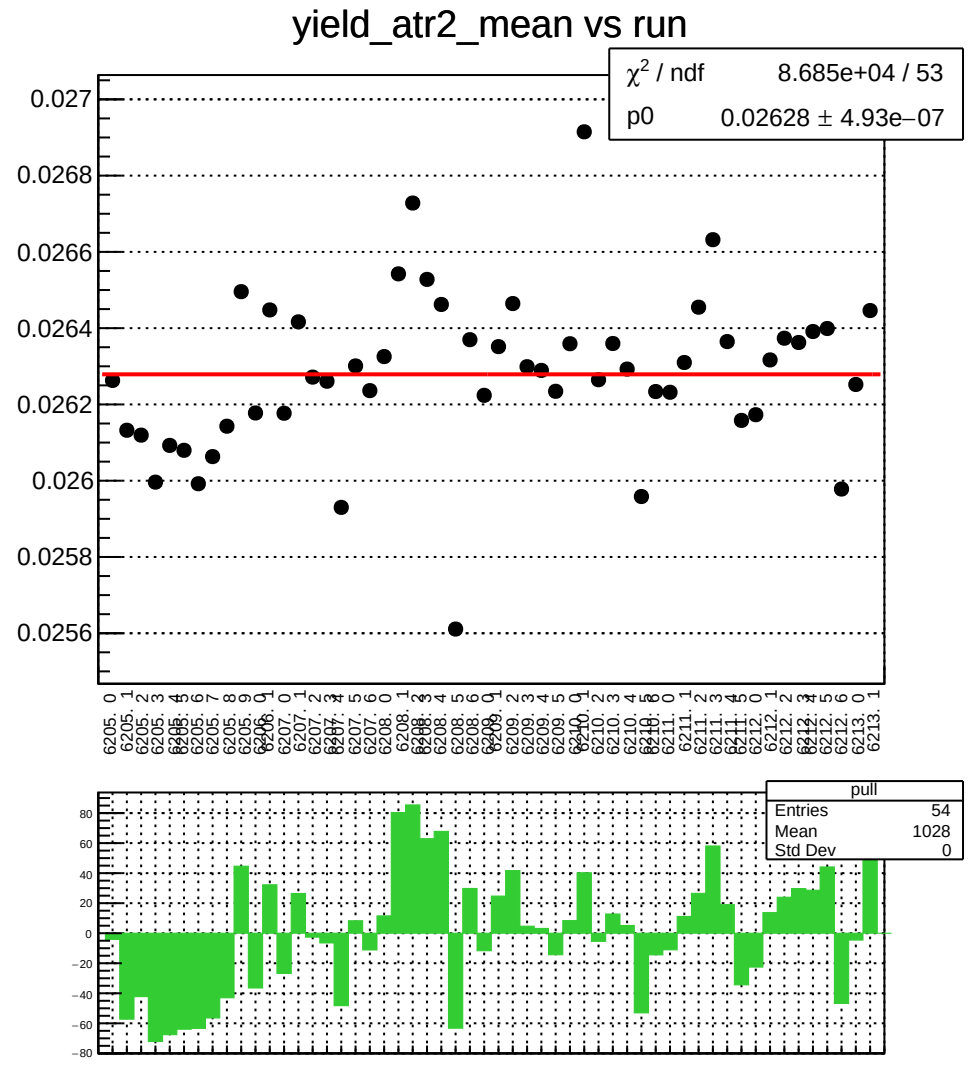

pull1D
Entries 54
Mean 3.099
Std Dev 3.205
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

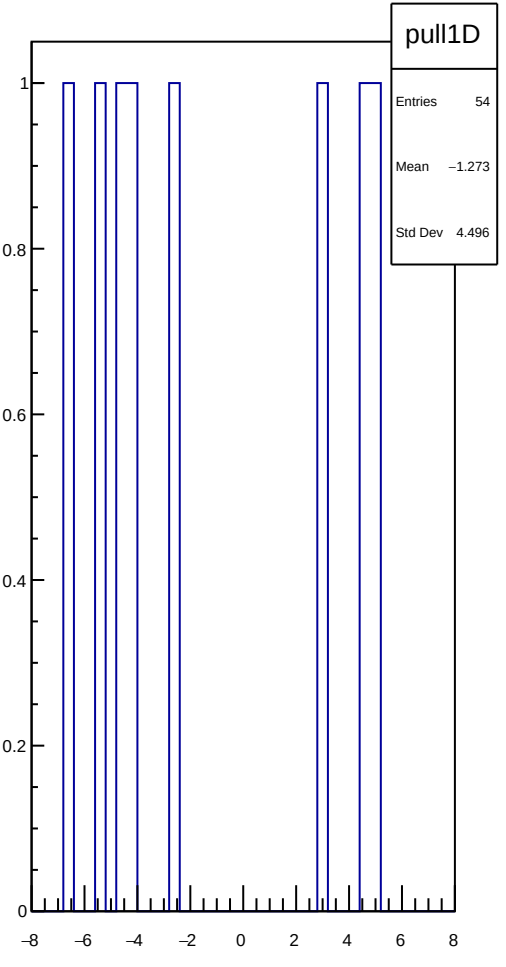

yield_atl2_rms vs run
χ² / ndf 8.753e+04 / 53
p0 0.0004064 ± 4.123e−07
0.0018
0.0016
0.0014
0.0012
0.001
0.0008
0.0006
0.0004
0.0002
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

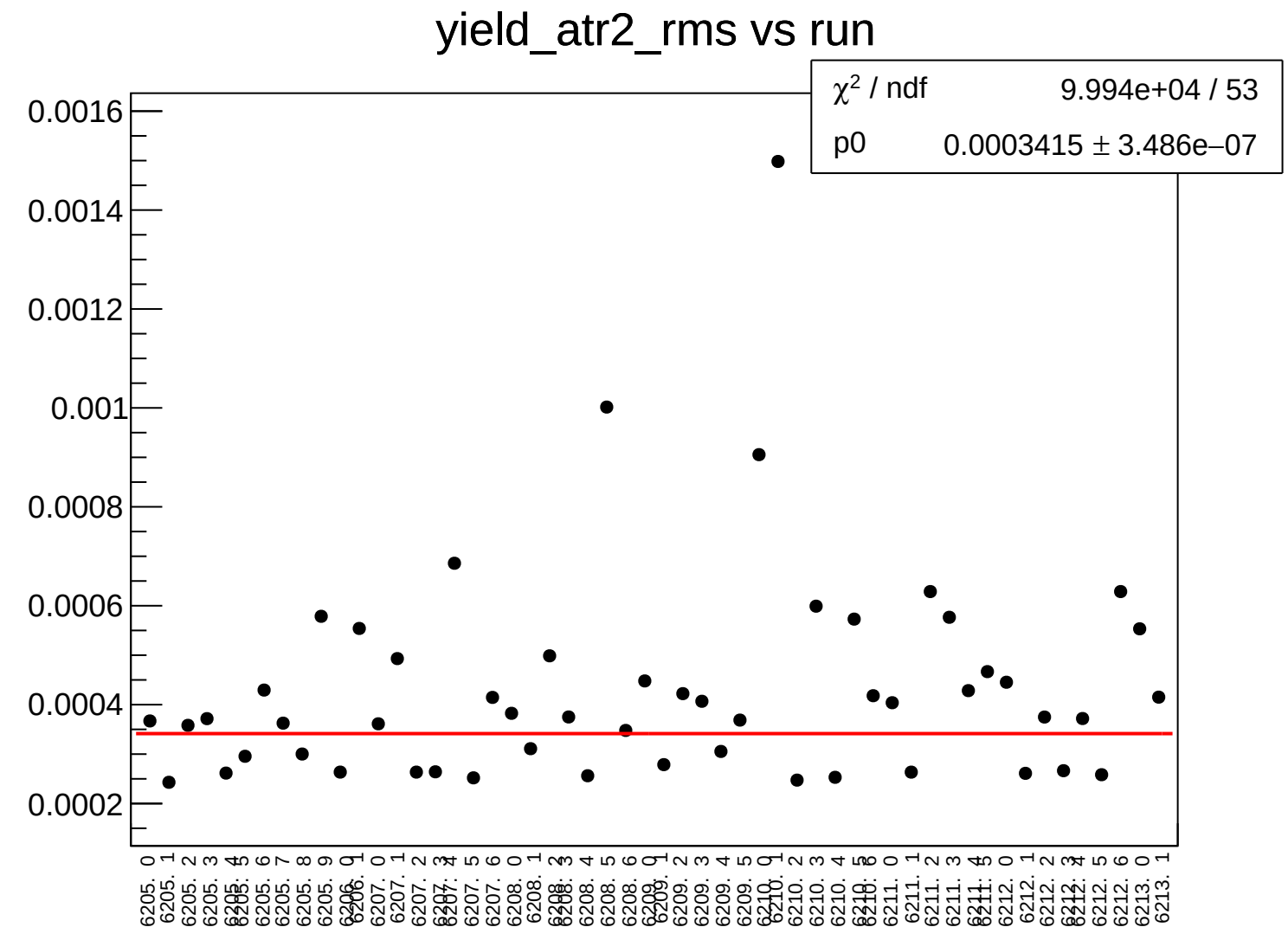

yield_atr1_mean vs run
χ² / ndf 1.789e+05 / 53
p0 0.03877 ± 1.799e−07
0.039
0.0389
0.0388
0.0387
0.0386
0.0385
pull
Entries 54
Mean 28.68
Std Dev 0
100
50
0
−50
−100
−150
−200

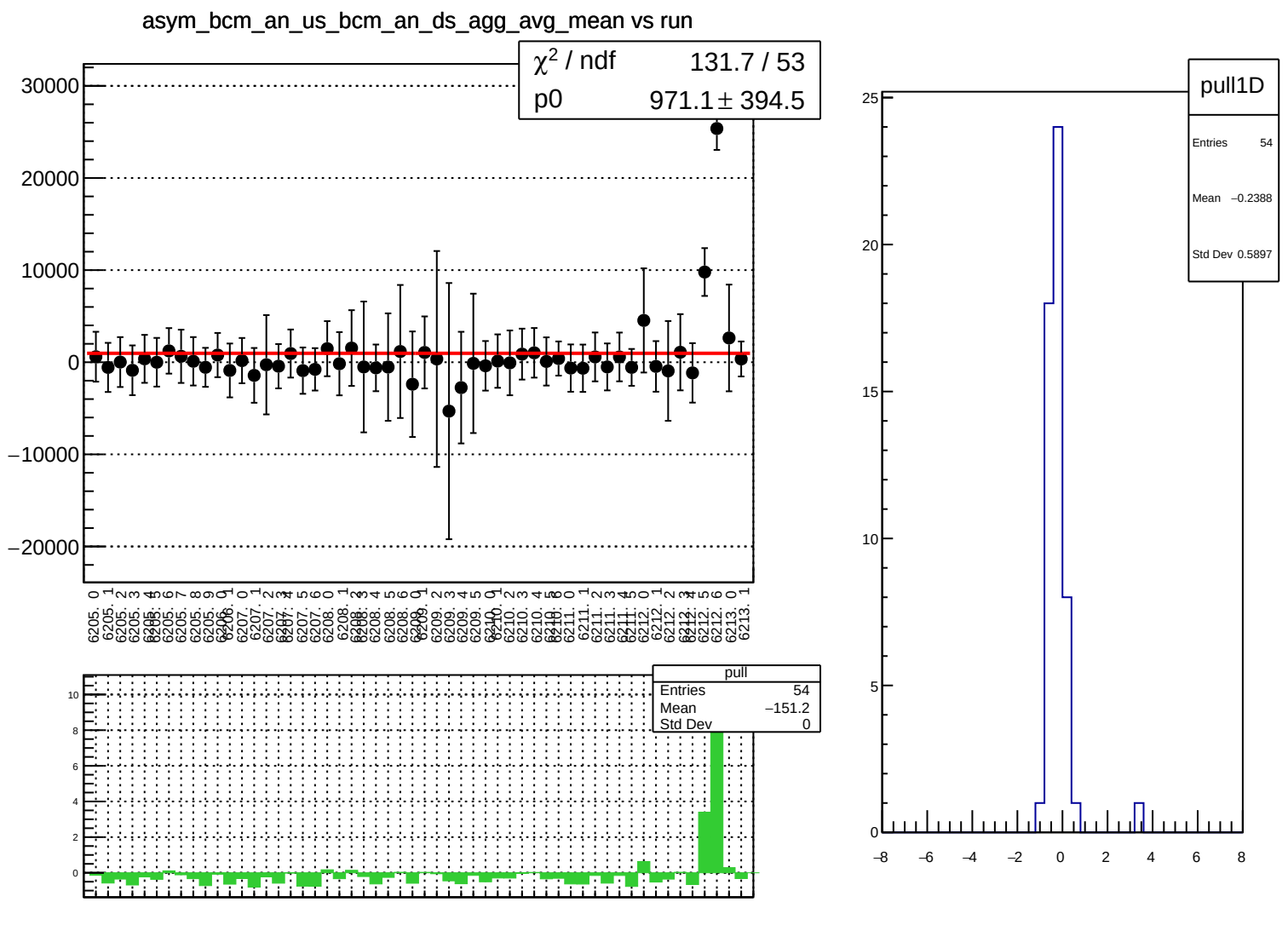

pull1D
Entries 54
Mean −1.005
Std Dev 3.968
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

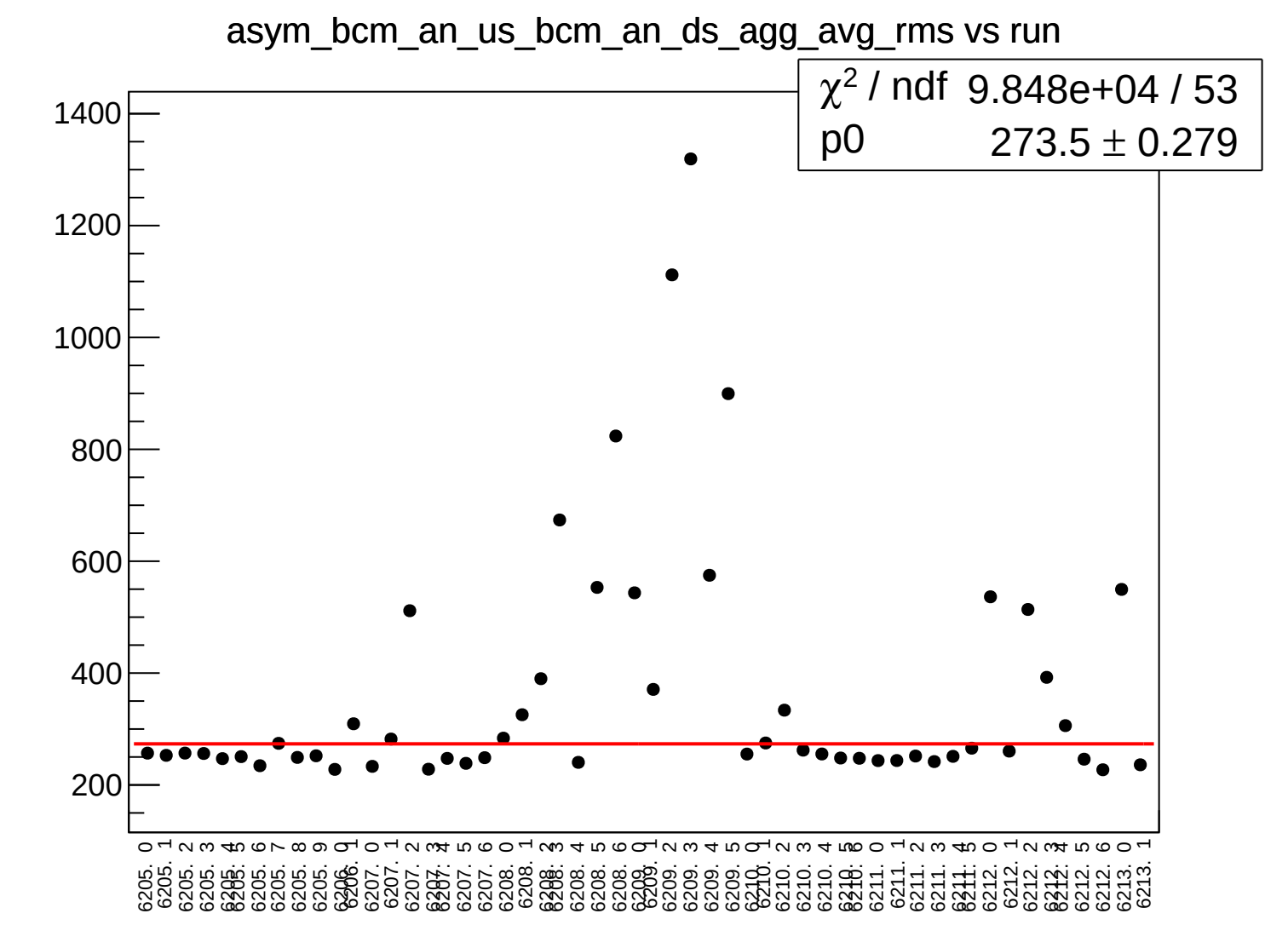

yield_atr1_rms vs run
×10⁻³
χ² / ndf 2.031e+04 / 53
p0 0.0001297 ± 1.272e−07
0.22
0.2
0.18
0.16
0.14
0.12
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 1
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 1
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

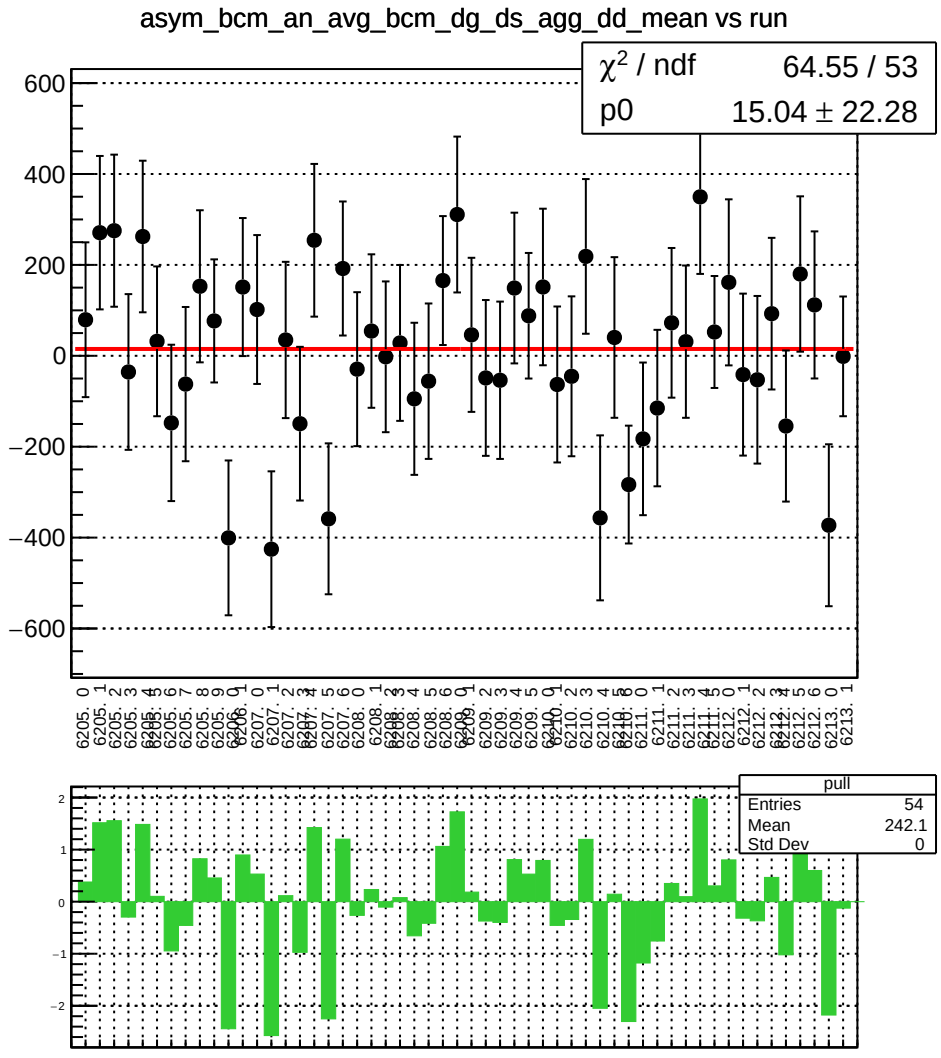

yield_atr2_mean vs run
χ² / ndf 8.685e+04 / 53
p0 0.02628 ± 4.93e−07
0.027
0.0268
0.0266
0.0264
0.0262
0.026
0.0258
0.0256
pull
Entries 54
Mean 1028
Std Dev 0
80
60
40
20
0
−20
−40
−60
−80

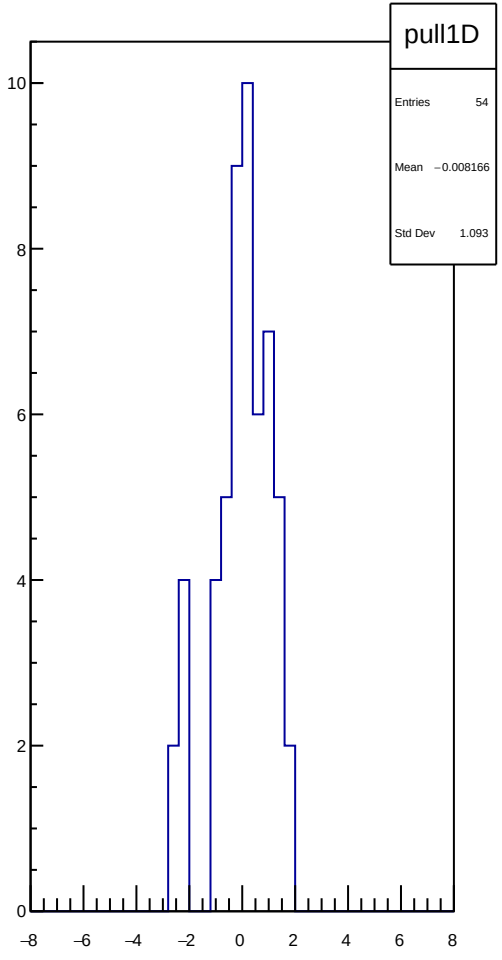

pull1D
Entries 54
Mean −1.273
Std Dev 4.496
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

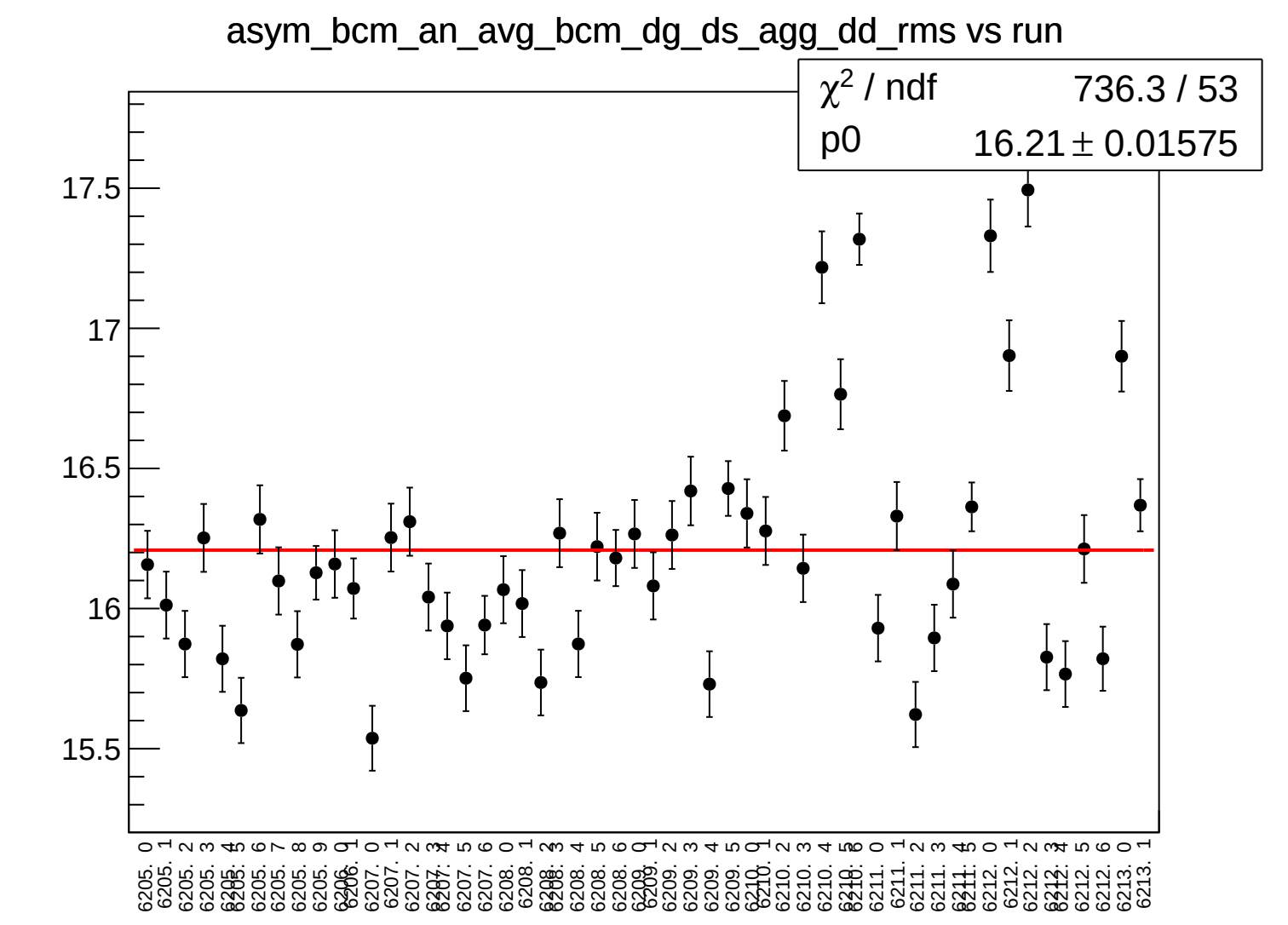

yield_atr2_rms vs run
χ² / ndf 9.994e+04 / 53
p0 0.0003415 ± 3.486e−07
0.0016
0.0014
0.0012
0.001
0.0008
0.0006
0.0004
0.0002
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

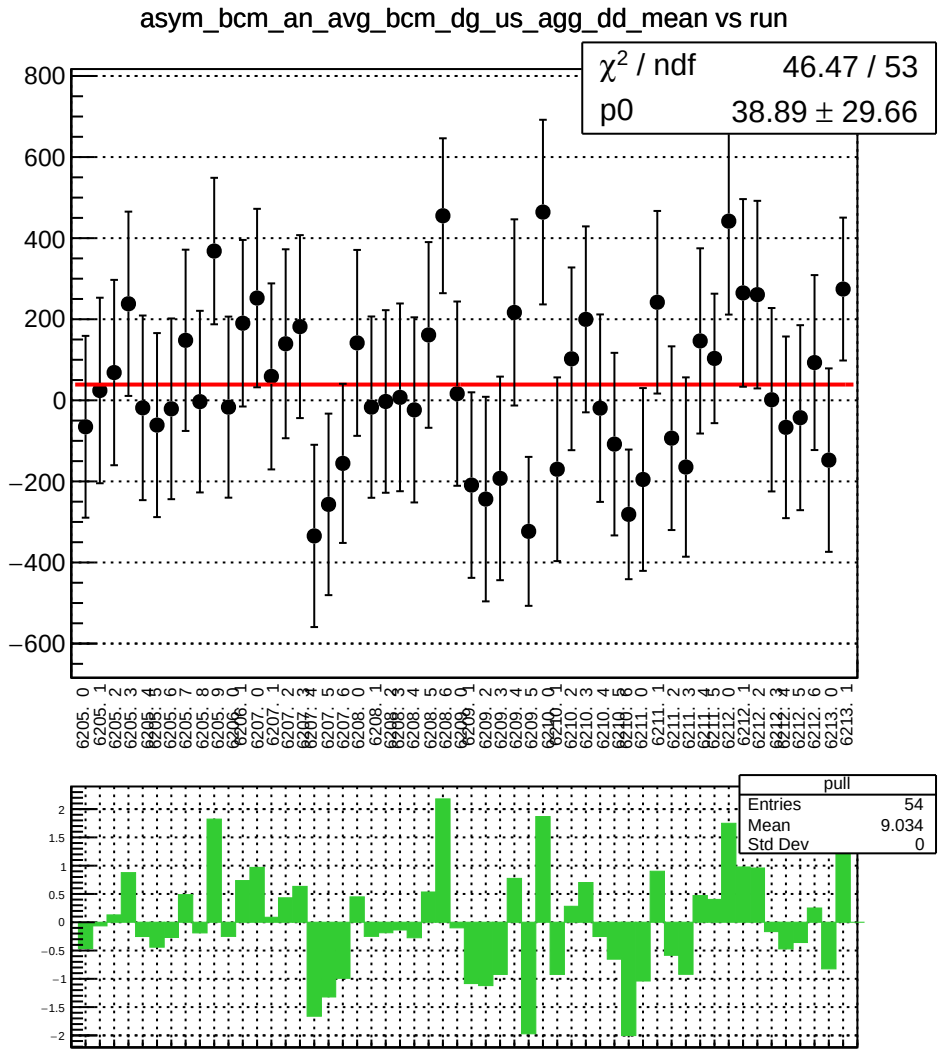

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 131.7 / 53
p0 971.1 ± 394.5
pull
Entries 54
Mean −151.2
Std Dev 0
pull1D
Entries 54
Mean −0.2388
Std Dev 0.5897

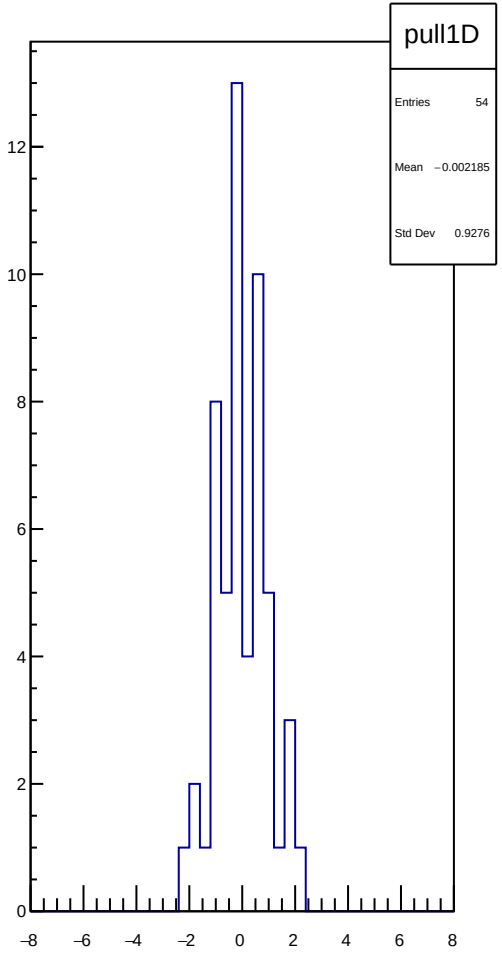

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 9.848e+04 / 53
p0 273.5 ± 0.279
1400
1200
1000
800
600
400
200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

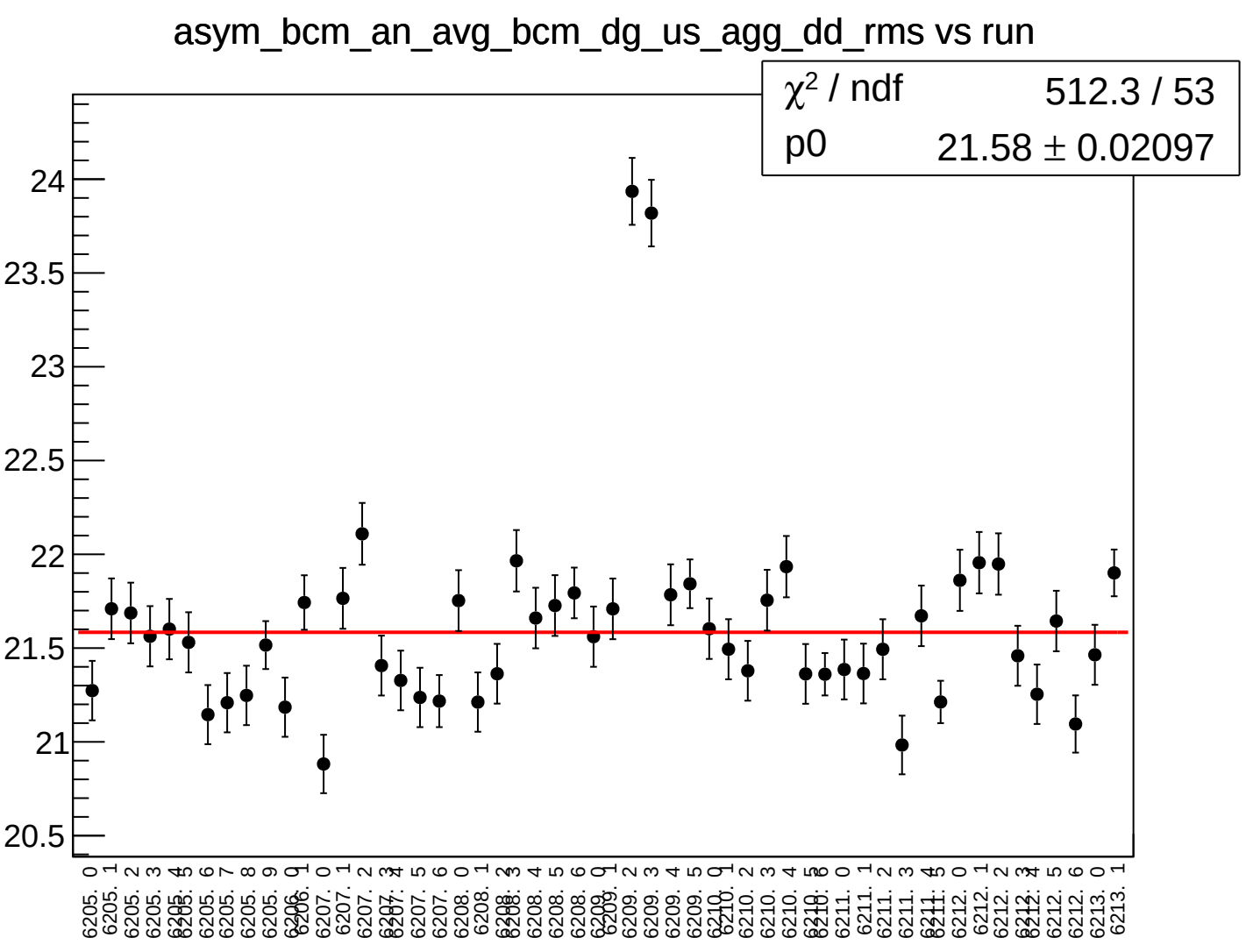

asym_bcm_an_avg_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 64.55 / 53
p0 15.04 ± 22.28
pull
Entries 54
Mean 242.1
Std Dev 0

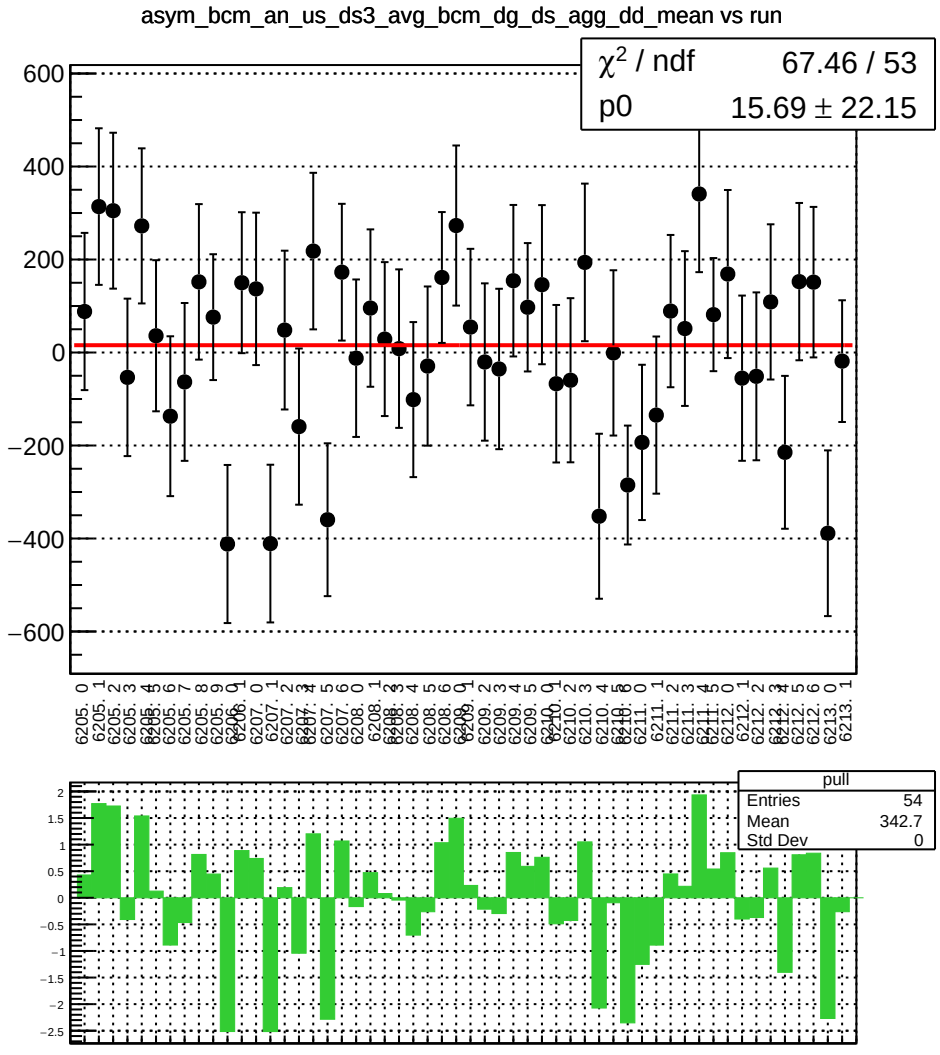

pull1D
Entries 54
Mean −0.008166
Std Dev 1.093

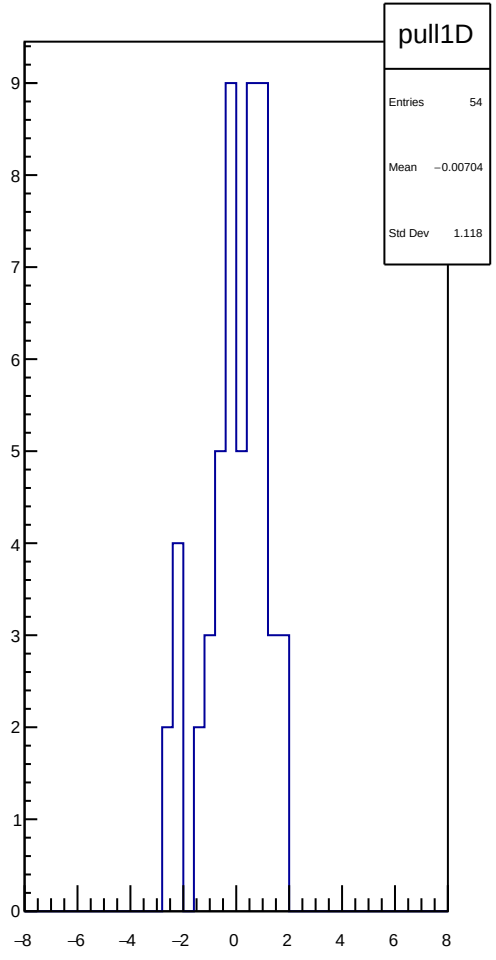

asym_bcm_an_avg_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 736.3 / 53
p0 16.21 ± 0.01575
17.5
17
16.5
16
15.5
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

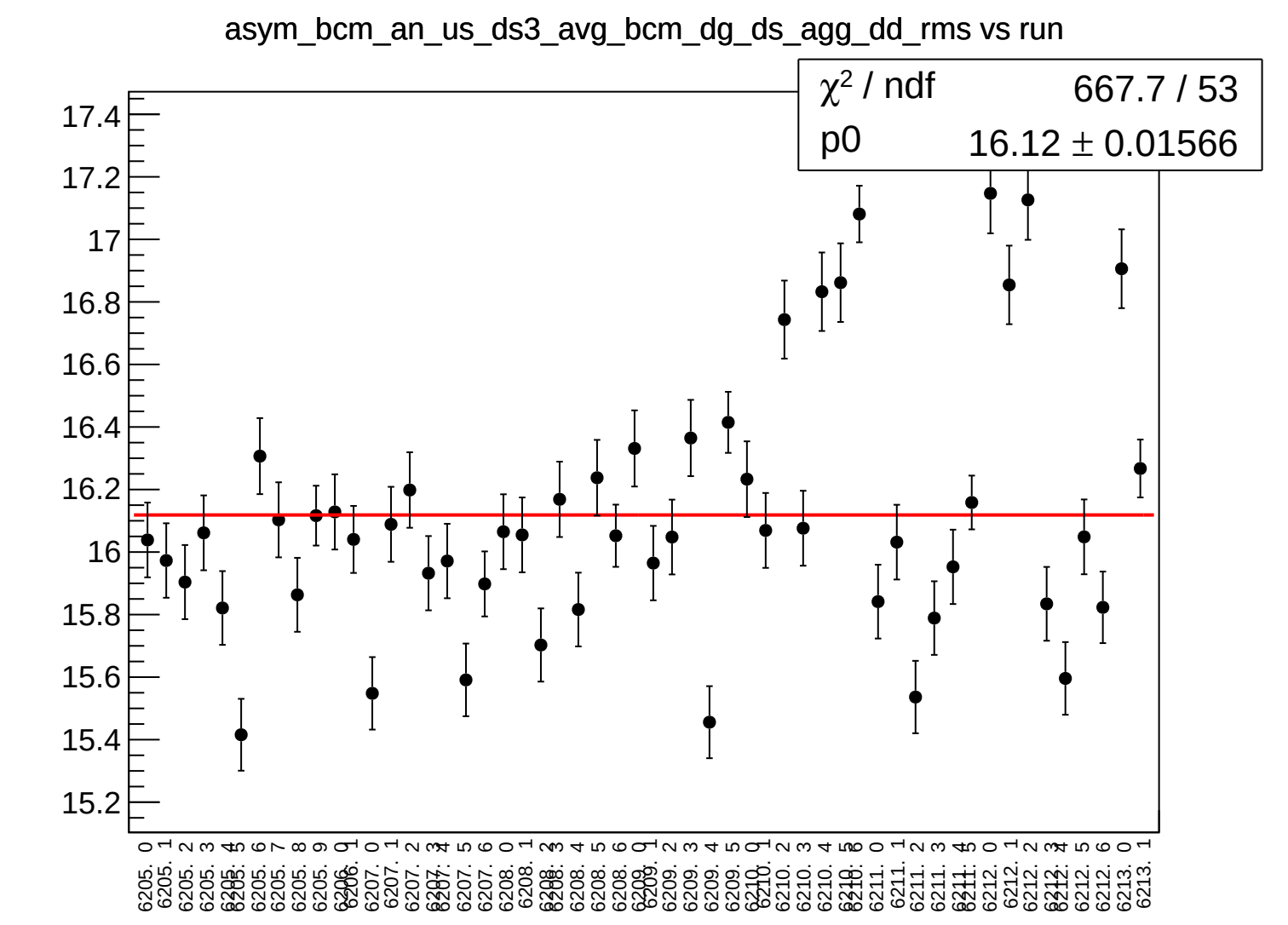

asym_bcm_an_avg_bcm_dg_us_agg_dd_mean vs run
χ² / ndf 46.47 / 53
p0 38.89 ± 29.66
pull
Entries 54
Mean 9.034
Std Dev 0

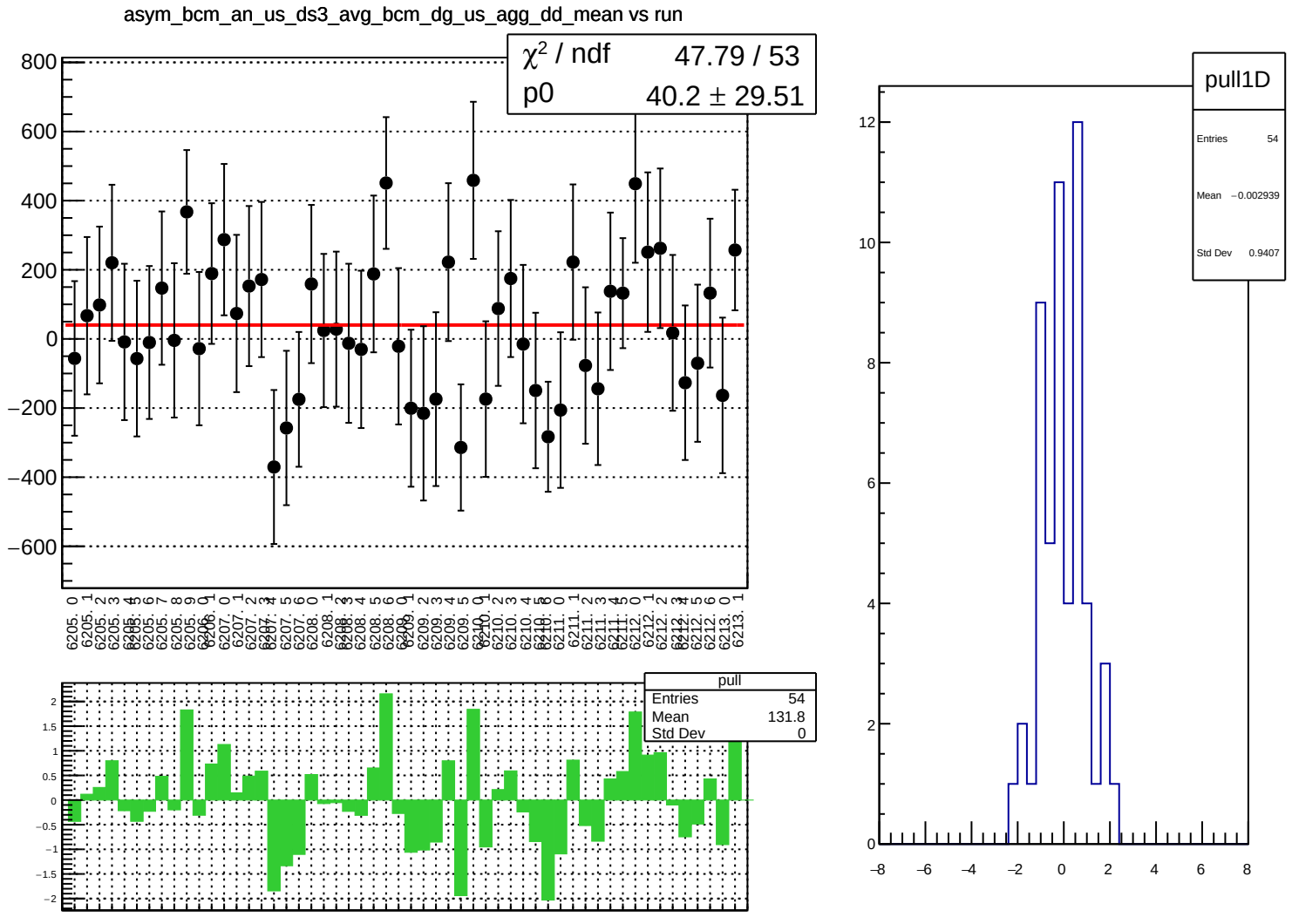

pull1D
Entries 54
Mean −0.002185
Std Dev 0.9276

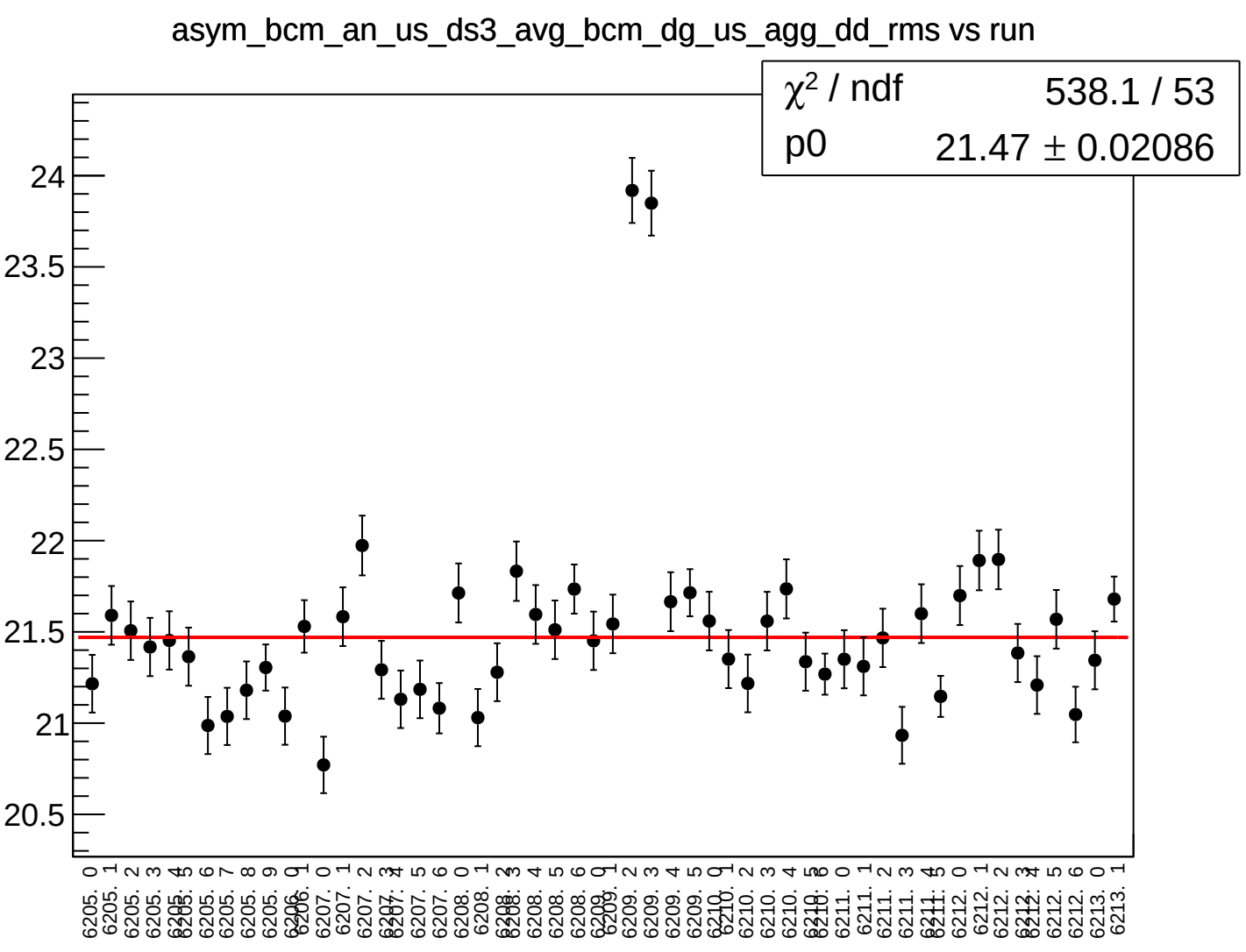

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs run
χ² / ndf 512.3 / 53
p0 21.58 ± 0.02097
24
23.5
23
22.5
22
21.5
21
20.5
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

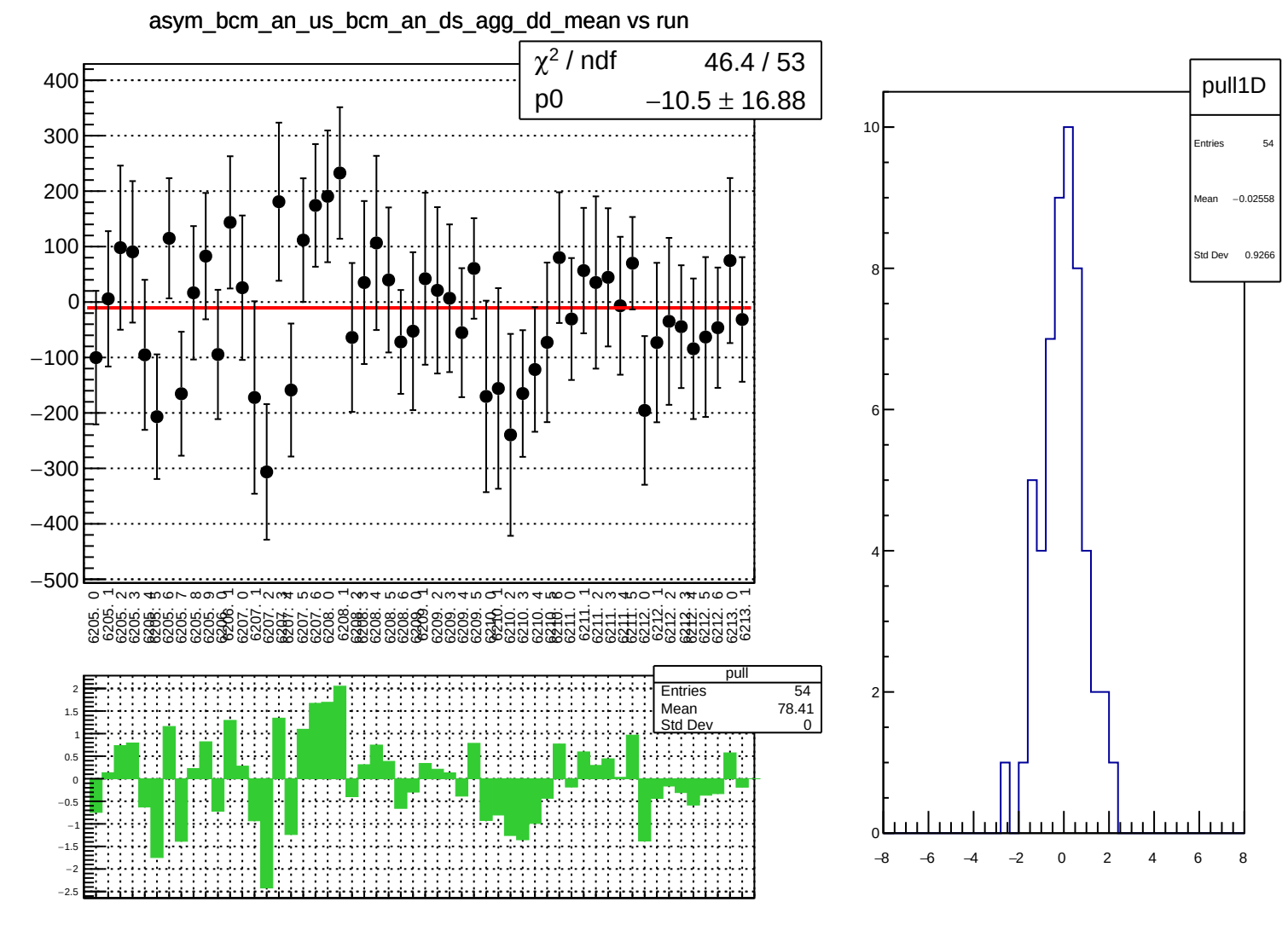

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 67.46 / 53
p0 15.69 ± 22.15
pull
Entries 54
Mean 342.7
Std Dev 0

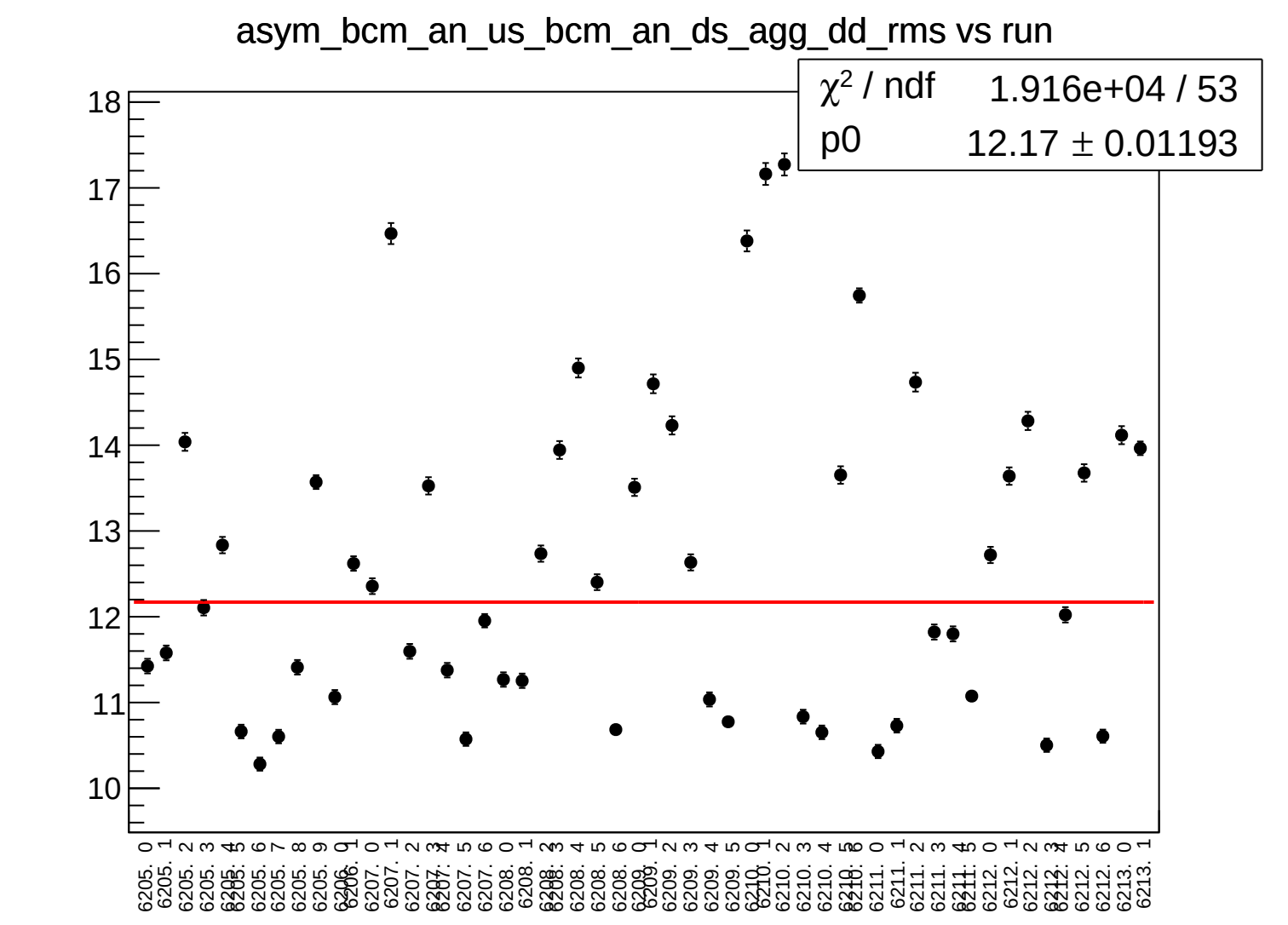

pull1D
Entries 54
Mean −0.00704
Std Dev 1.118

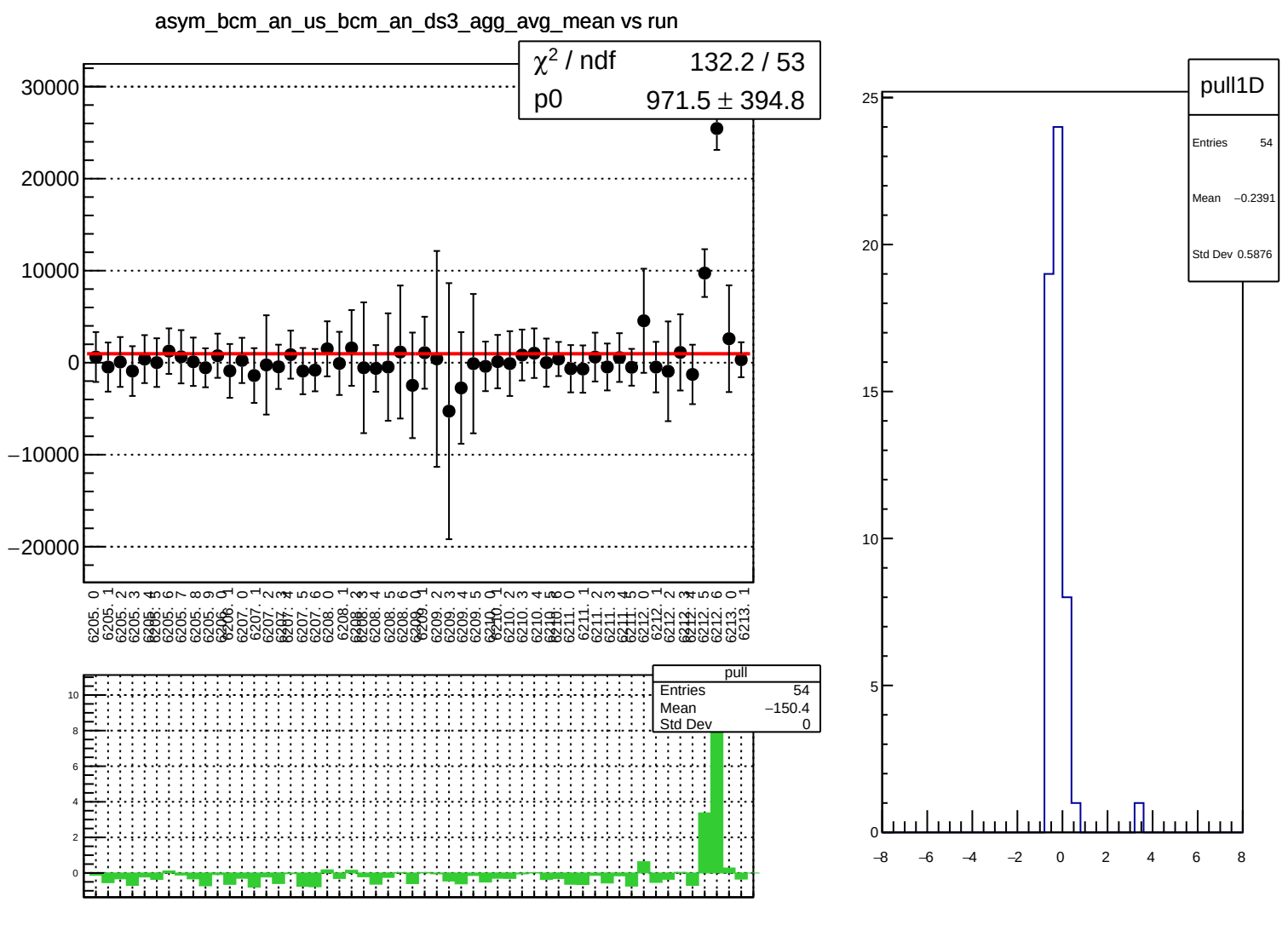

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 667.7 / 53
p0 16.12 ± 0.01566
17.4
17.2
17
16.8
16.6
16.4
16.2
16
15.8
15.6
15.4
15.2
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 1
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

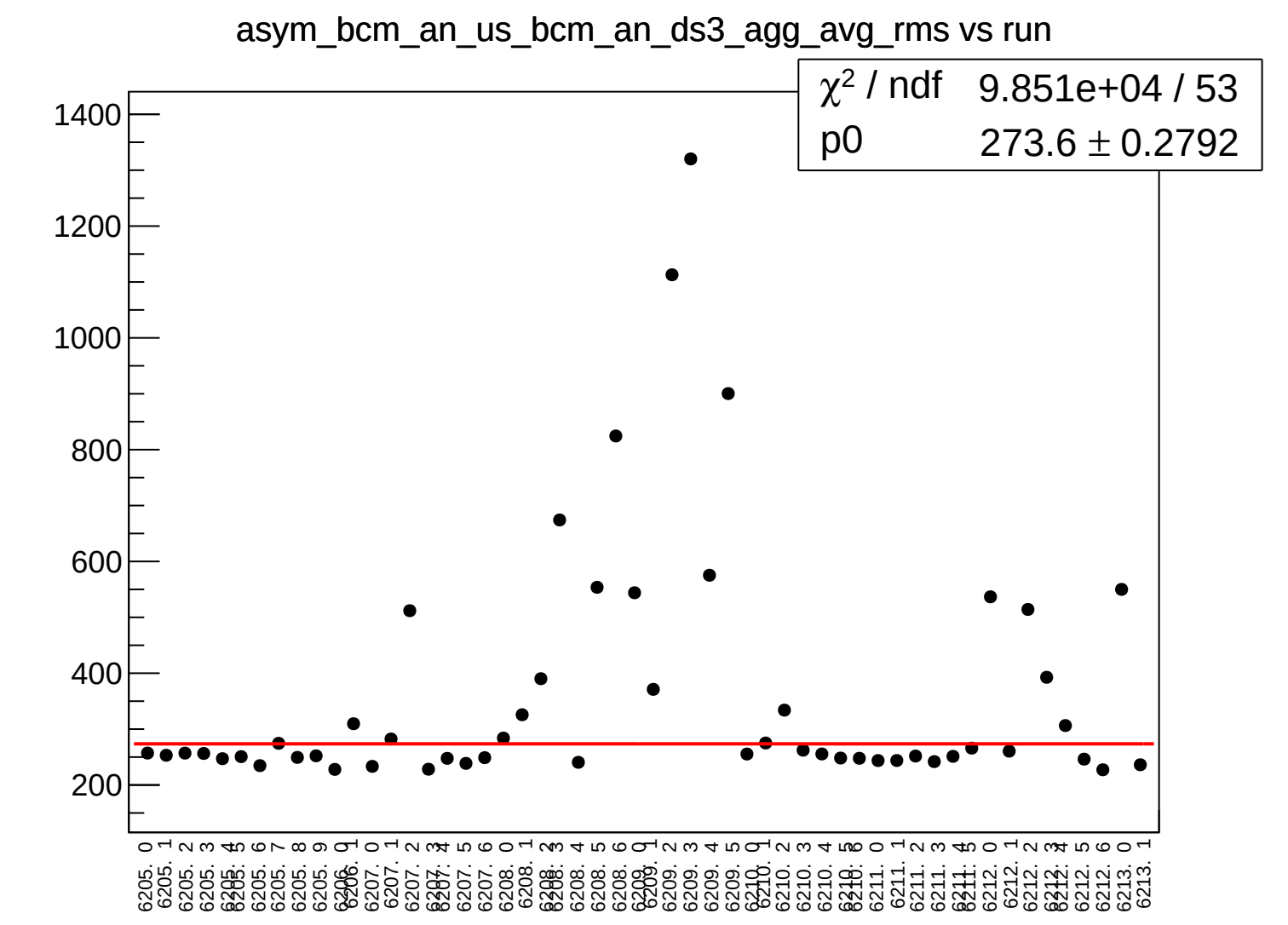

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs run
χ² / ndf 47.79 / 53
p0 40.2 ± 29.51
pull
Entries 54
Mean 131.8
Std Dev 0
pull1D
Entries 54
Mean −0.002939
Std Dev 0.9407

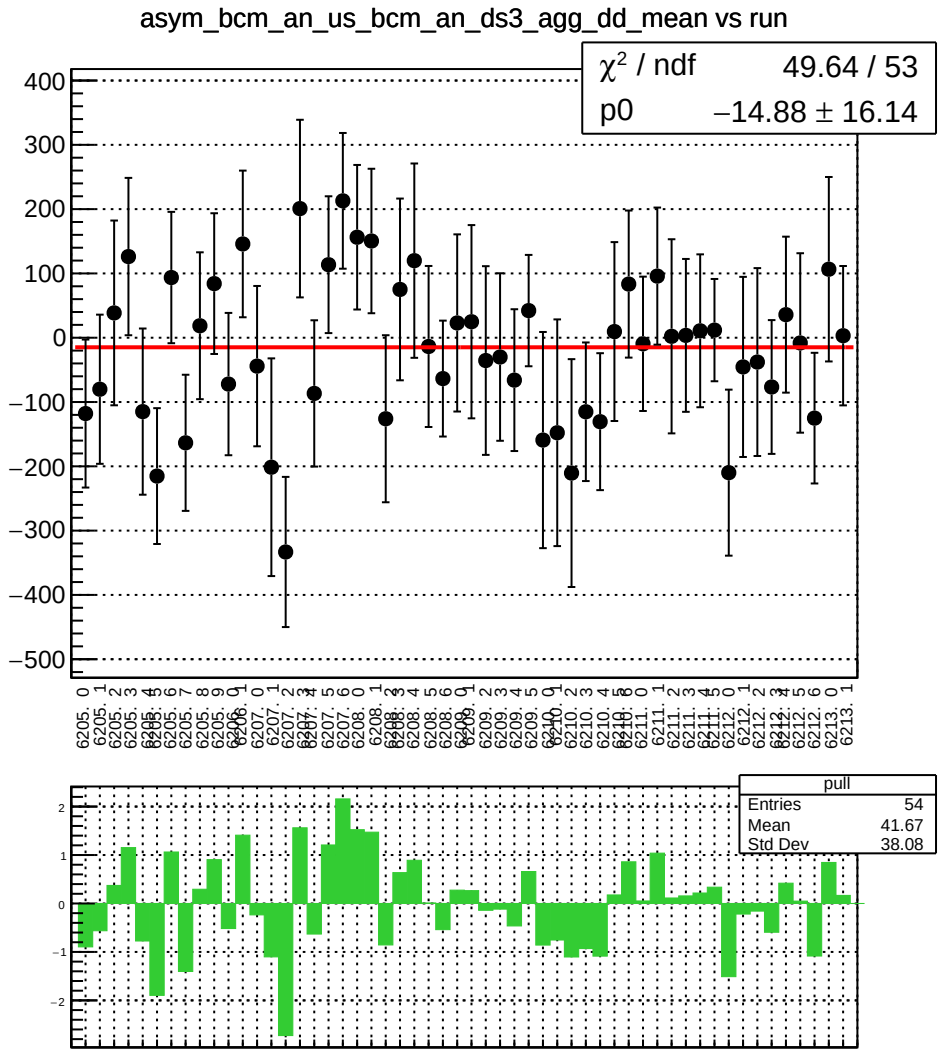

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_rms vs run
χ² / ndf 538.1 / 53
p0 21.47 ± 0.02086
24
23.5
23
22.5
22
21.5
21
20.5

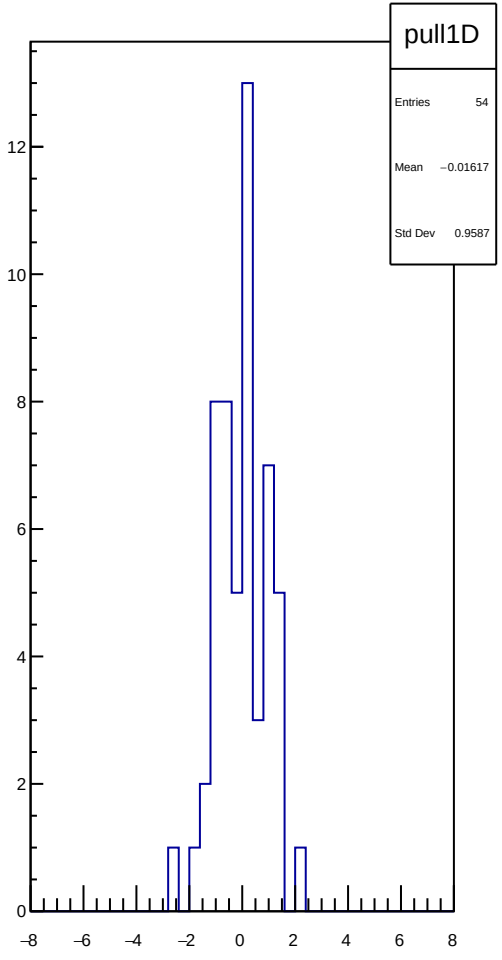

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 46.4 / 53
p0 −10.5 ± 16.88
pull
Entries 54
Mean 78.41
Std Dev 0
pull1D
Entries 54
Mean −0.02558
Std Dev 0.9266

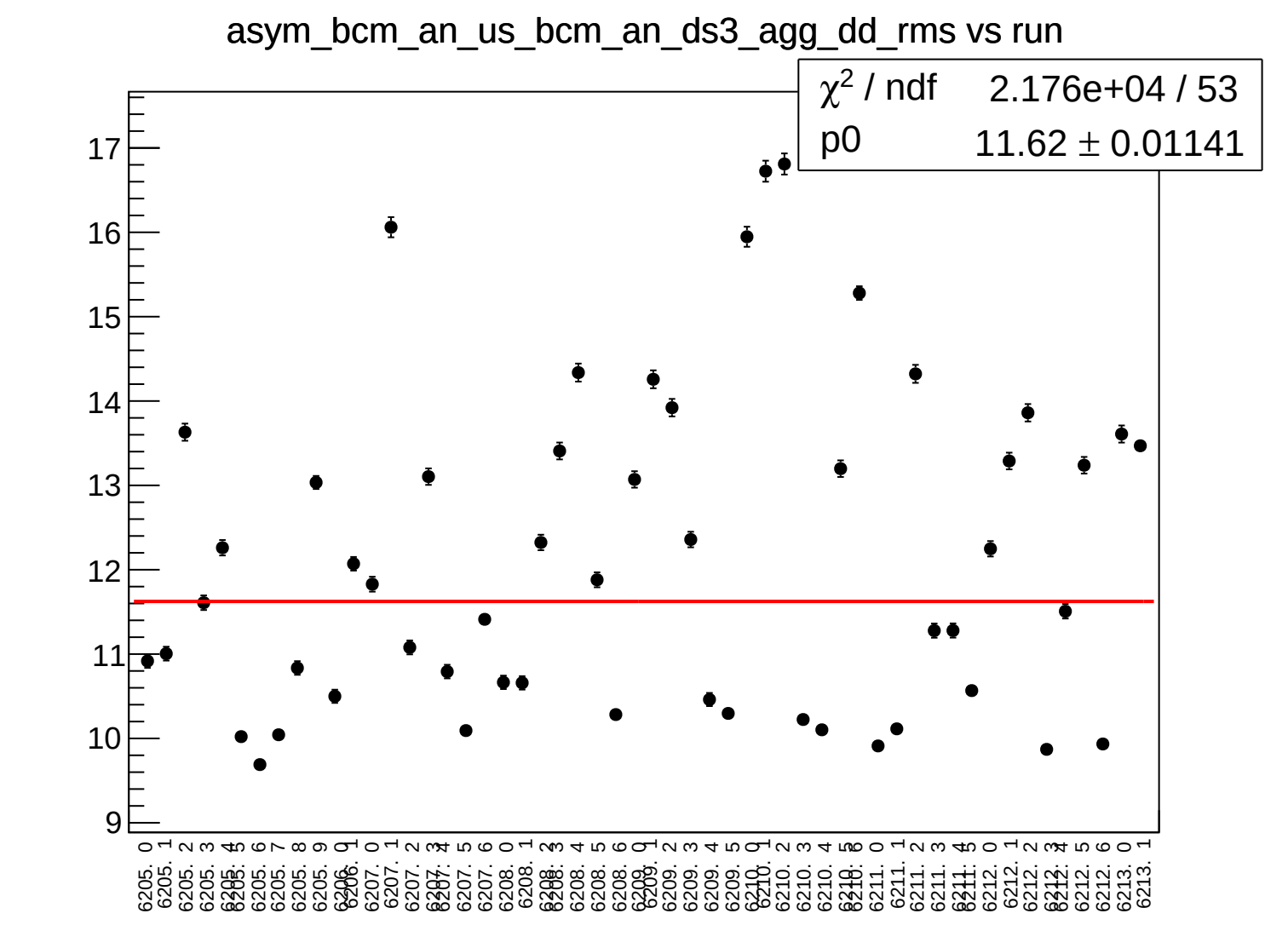

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 1.916e+04 / 53
p0 12.17 ± 0.01193
18
17
16
15
14
13
12
11
10

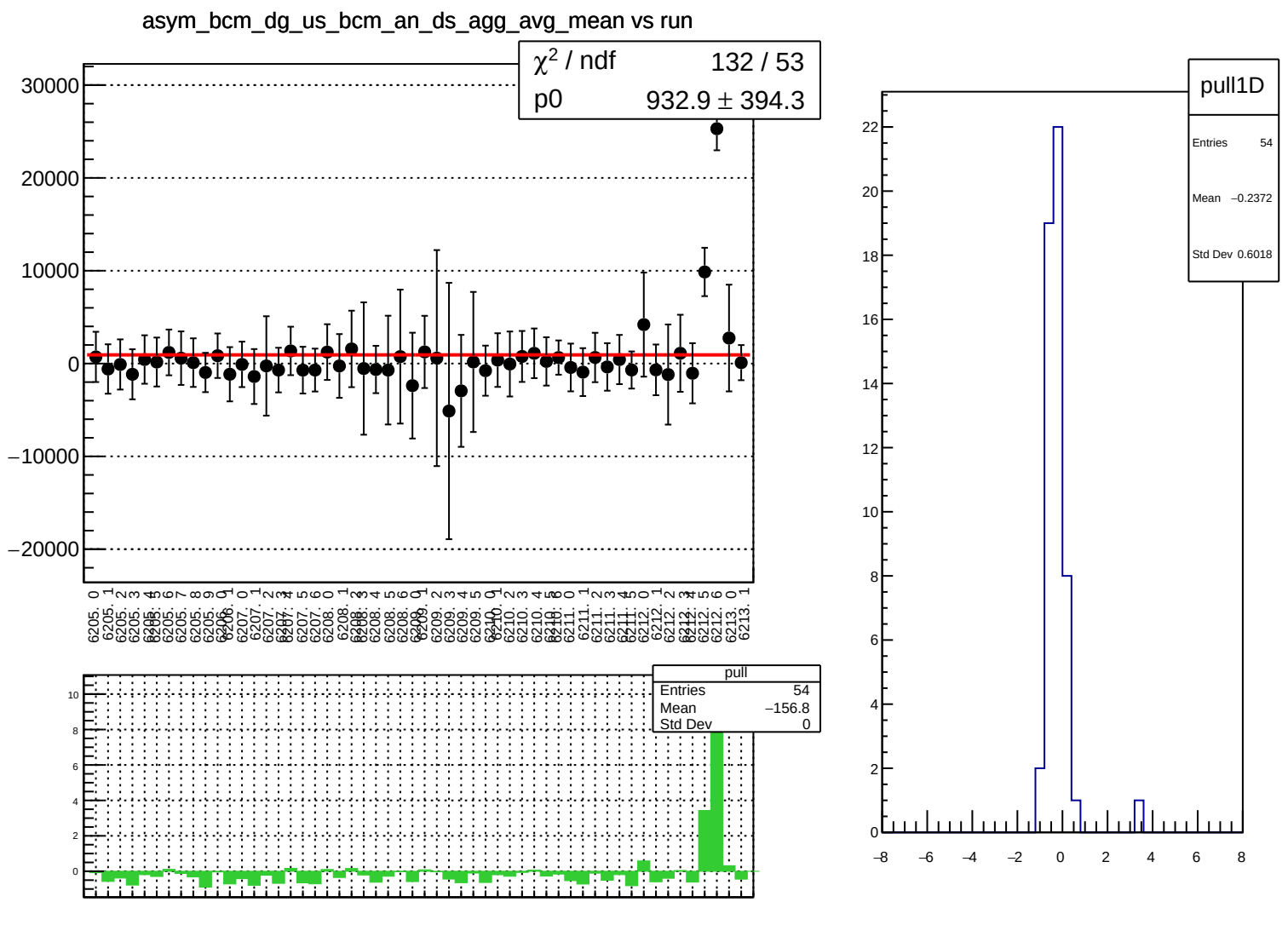

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs run
χ² / ndf 132.2 / 53
p0 971.5 ± 394.8
30000
20000
10000
0
−10000
−20000
pull
Entries 54
Mean −150.4
Std Dev 0
pull1D
Entries 54
Mean −0.2391
Std Dev 0.5876

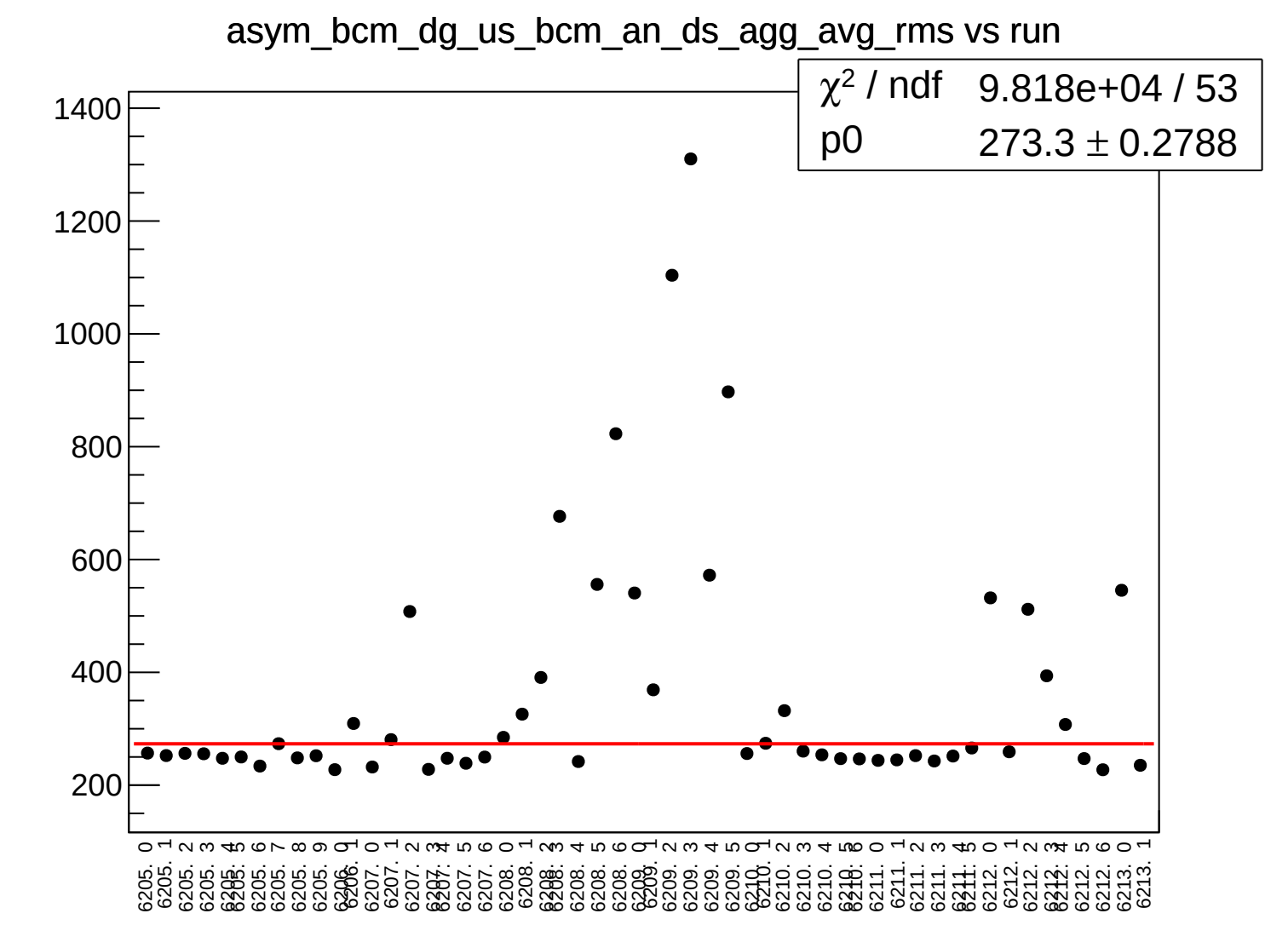

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs run
χ² / ndf 9.851e+04 / 53
p0 273.6 ± 0.2792
1400
1200
1000
800
600
400
200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs run
χ² / ndf 49.64 / 53
p0 −14.88 ± 16.14
pull
Entries 54
Mean 41.67
Std Dev 38.08


pull1D
Entries 54
Mean −0.01617
Std Dev 0.9587


asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs run
χ² / ndf 2.176e+04 / 53
p0 11.62 ± 0.01141
17
16
15
14
13
12
11
10
9
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 132 / 53
p0 932.9 ± 394.3
30000
20000
10000
0
−10000
−20000
pull
Entries 54
Mean −156.8
Std Dev 0
pull1D
Entries 54
Mean −0.2372
Std Dev 0.6018


asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 9.818e+04 / 53
p0 273.3 ± 0.2788
1400
1200
1000
800
600
400
200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
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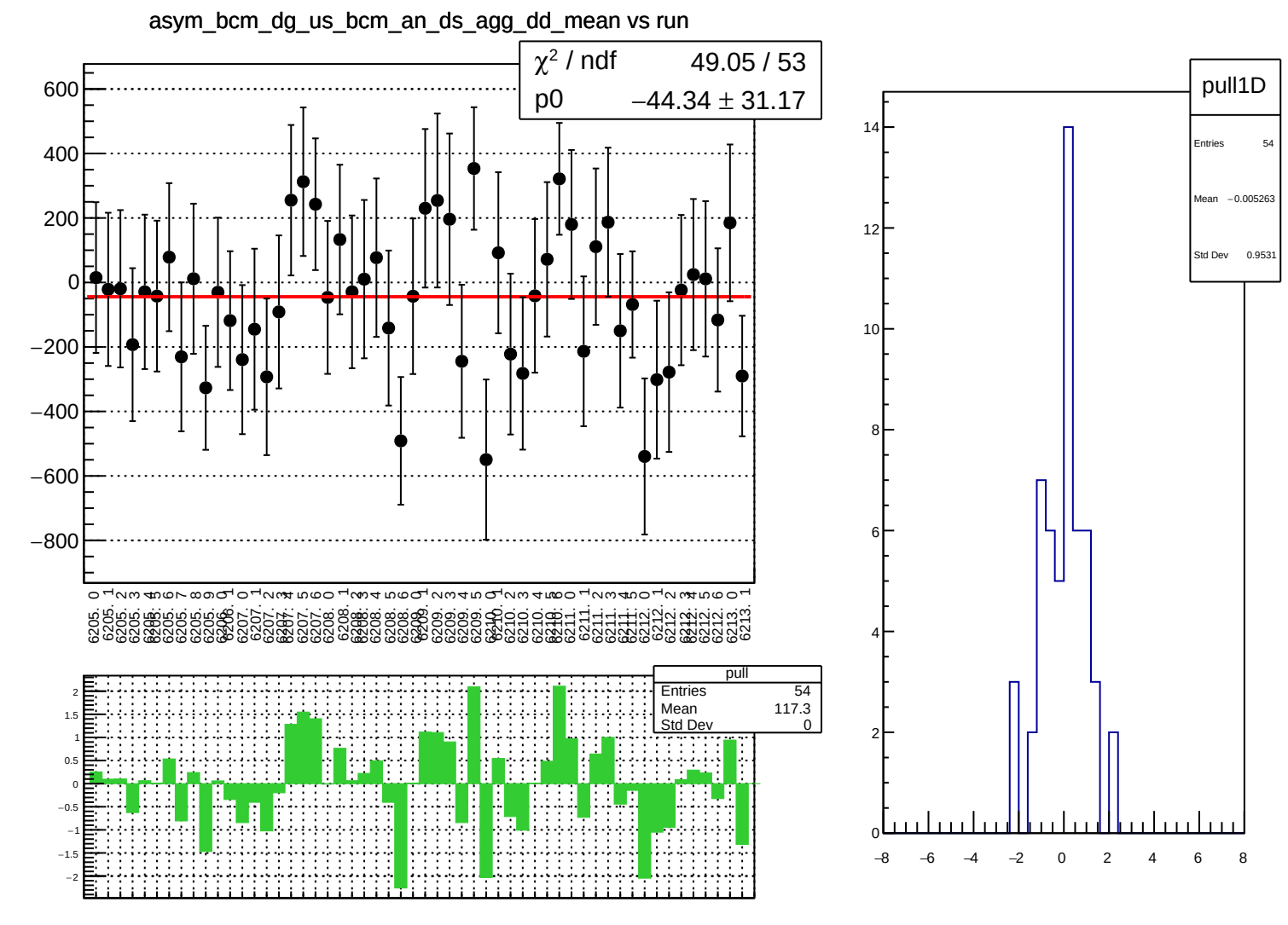
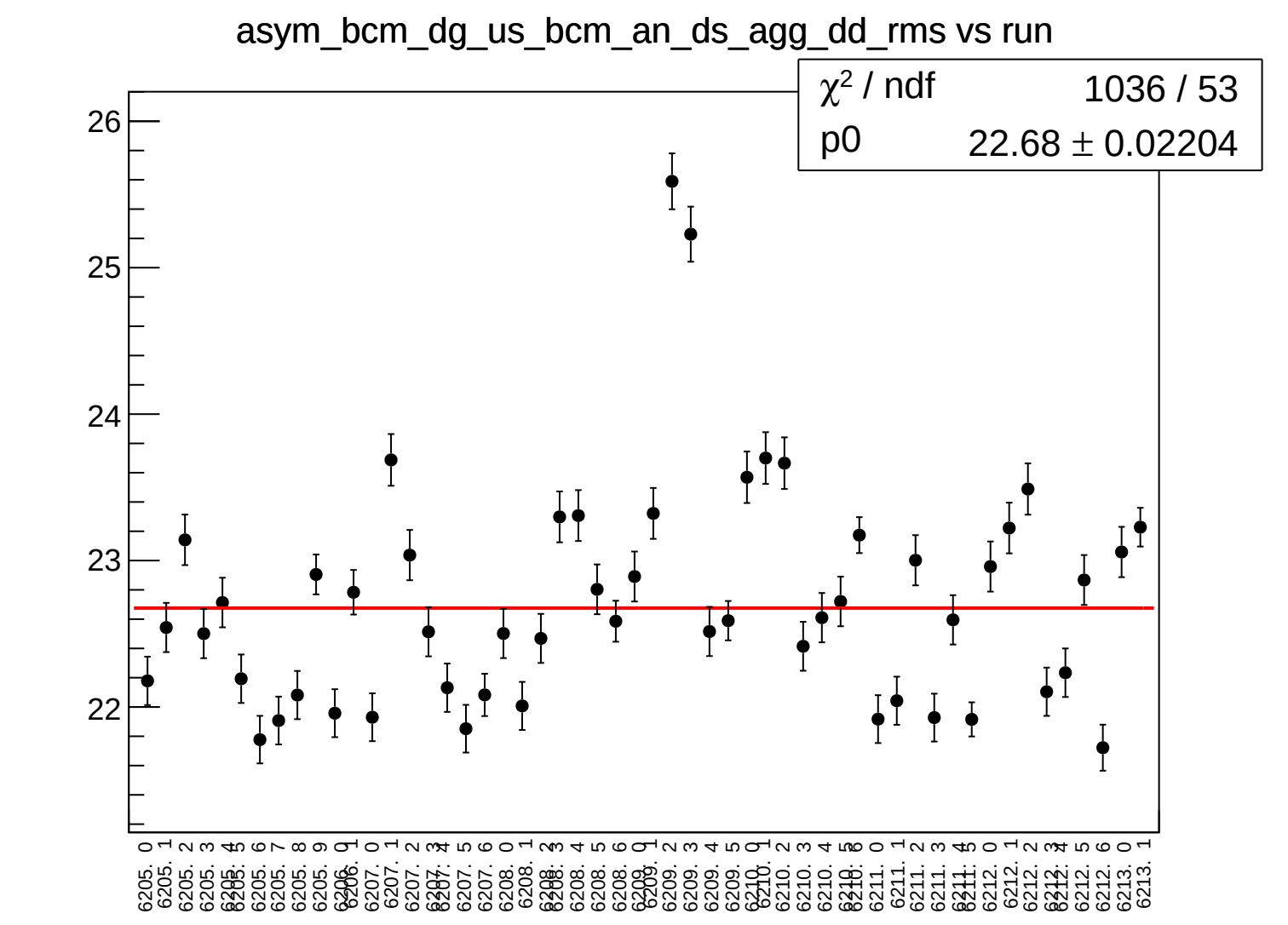
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 49.05 / 53
p0 −44.34 ± 31.17
pull
Entries 54
Mean 117.3
Std Dev 0
pull1D
Entries 54
Mean −0.005263
Std Dev 0.9531


asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 1036 / 53
p0 22.68 ± 0.02204
26
25
24
23
22
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
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6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
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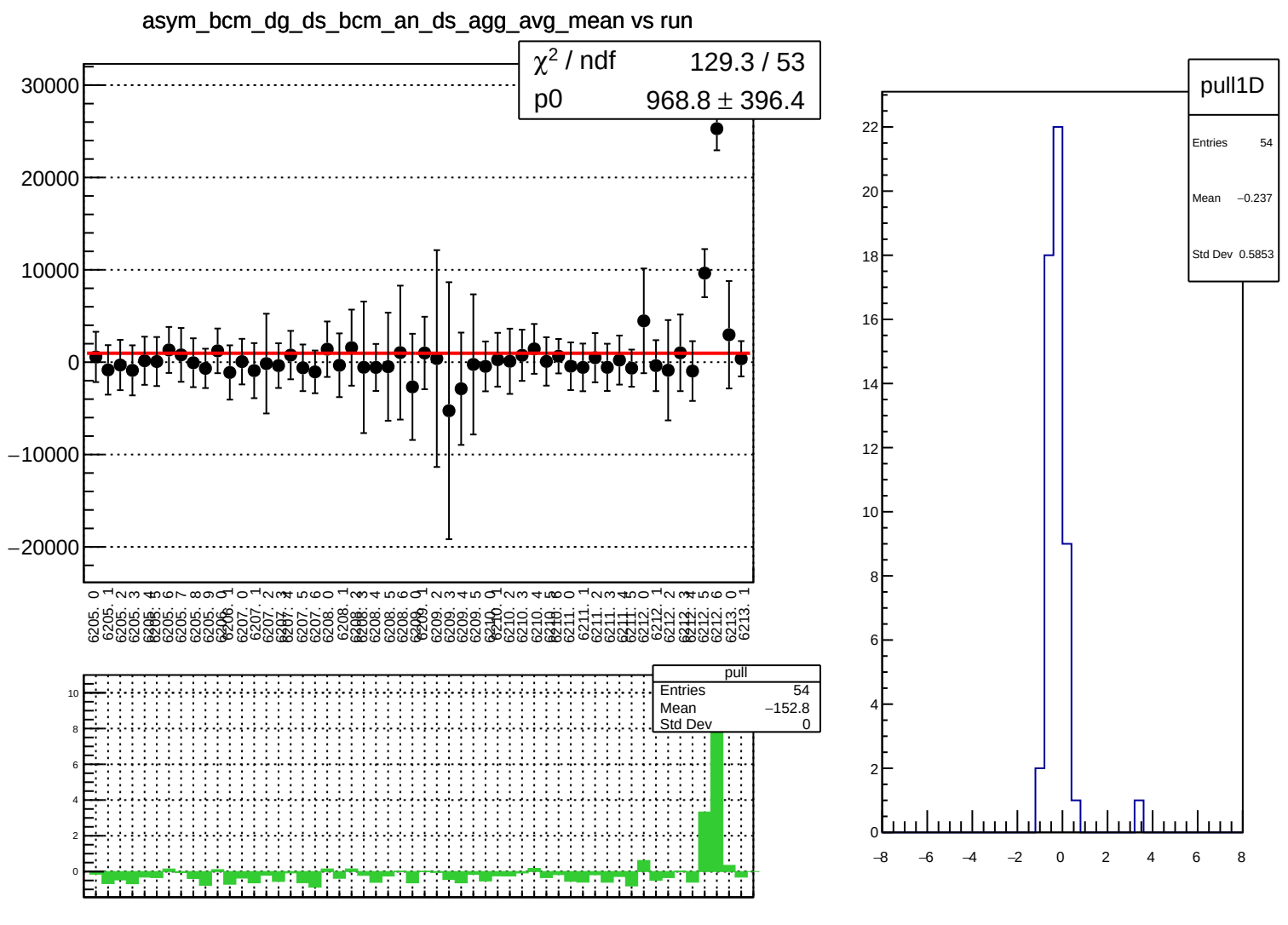
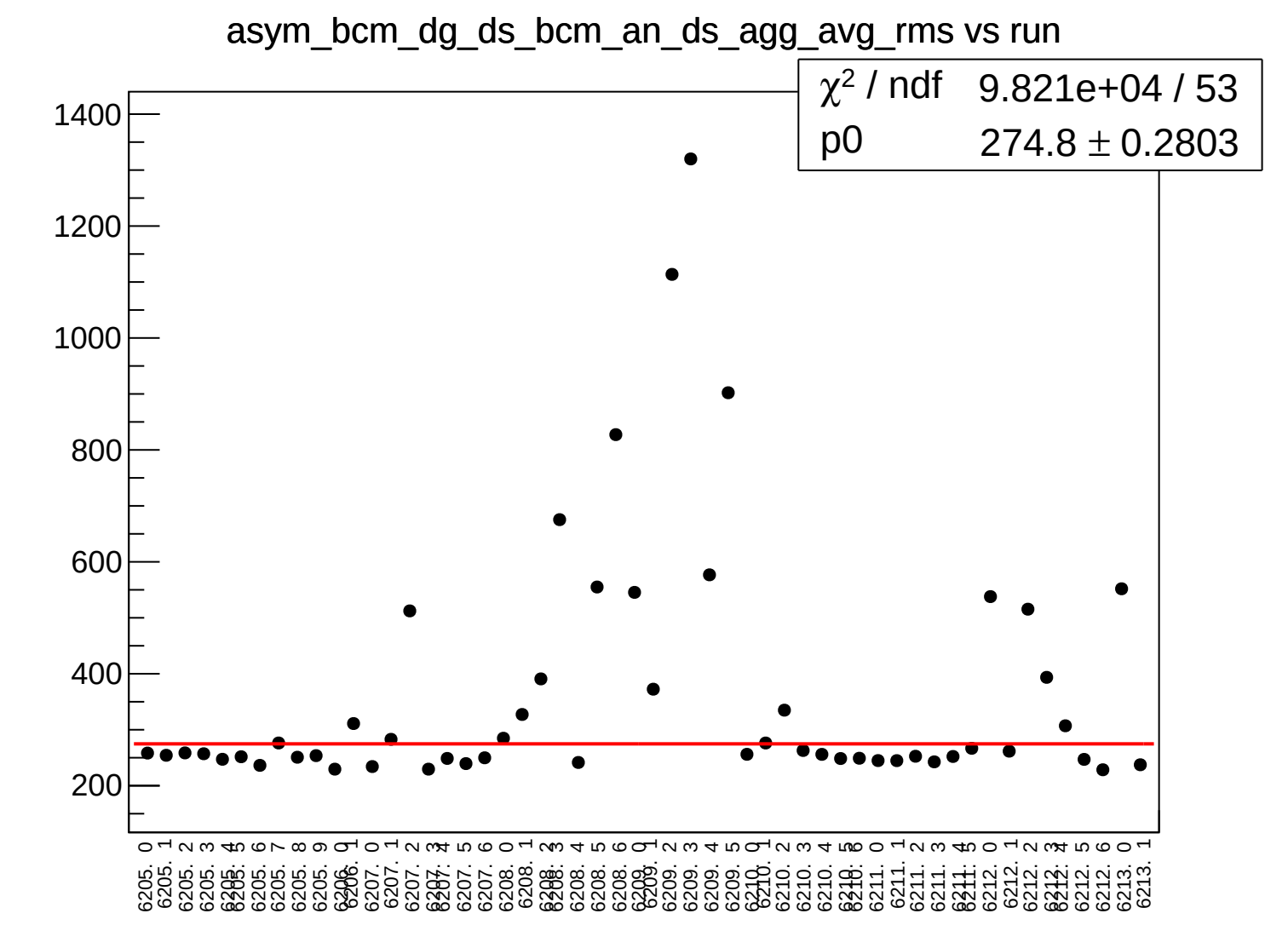
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 129.3 / 53
p0 968.8 ± 396.4
30000
20000
10000
0
−10000
−20000
pull
Entries 54
Mean −152.8
Std Dev 0
pull1D
Entries 54
Mean −0.237
Std Dev 0.5853


asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 9.821e+04 / 53
p0 274.8 ± 0.2803
1400
1200
1000
800
600
400
200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
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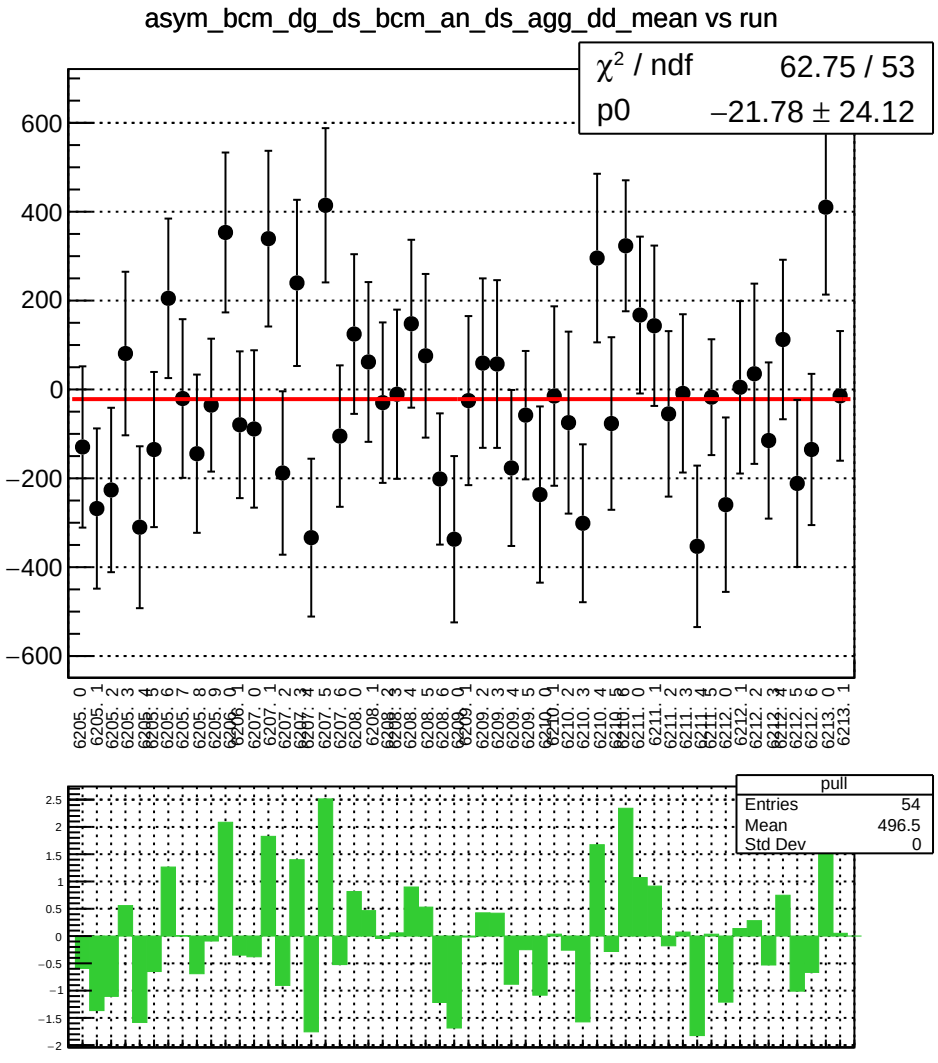
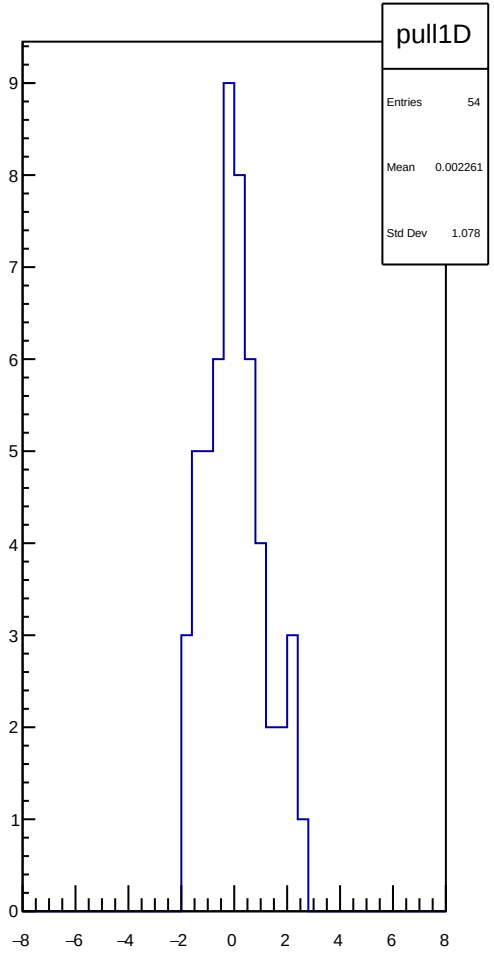
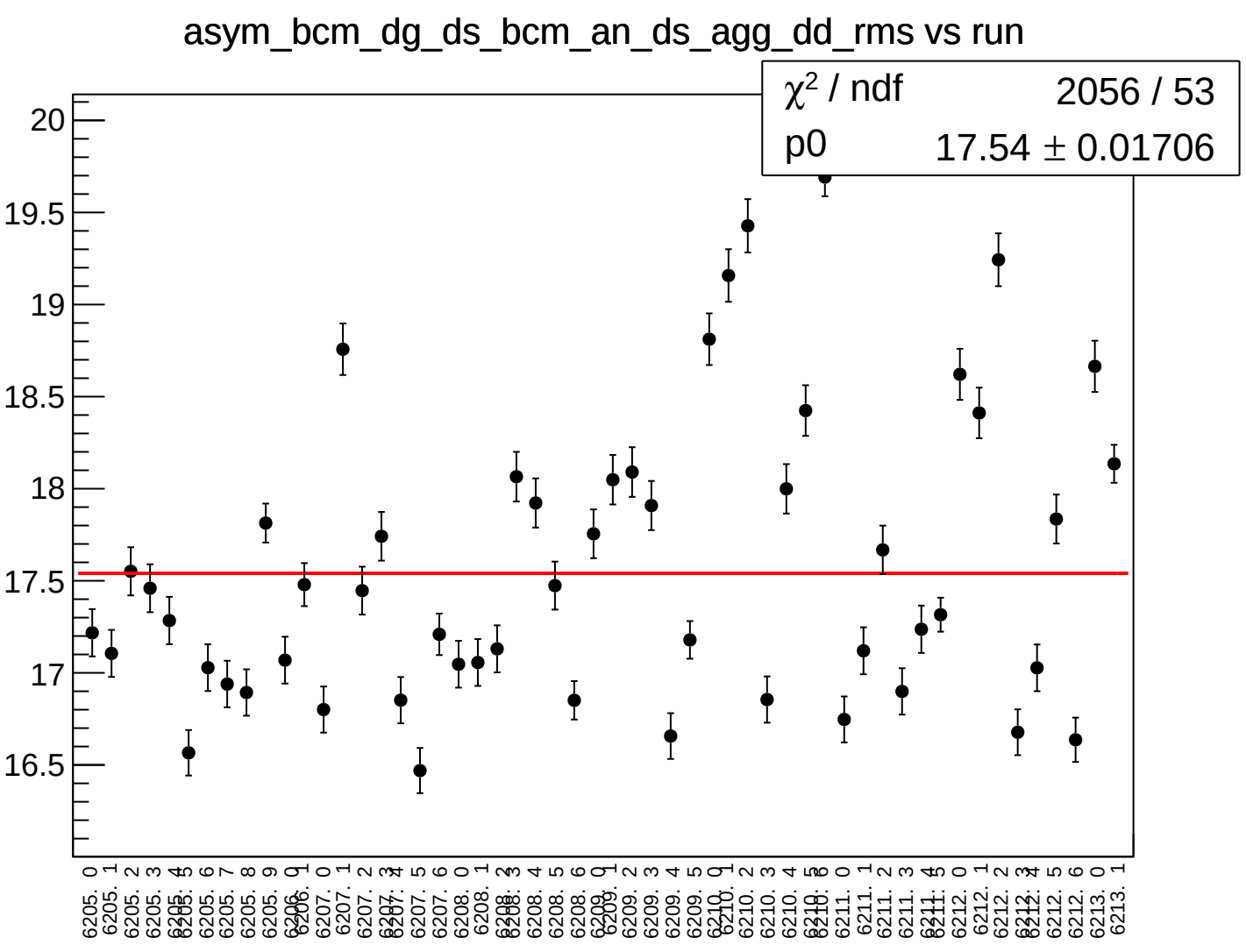
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 62.75 / 53
p0 −21.78 ± 24.12
pull
Entries 54
Mean 496.5
Std Dev 0


pull1D
Entries 54
Mean 0.002261
Std Dev 1.078


asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 2056 / 53
p0 17.54 ± 0.01706
20
19.5
19
18.5
18
17.5
17
16.5
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
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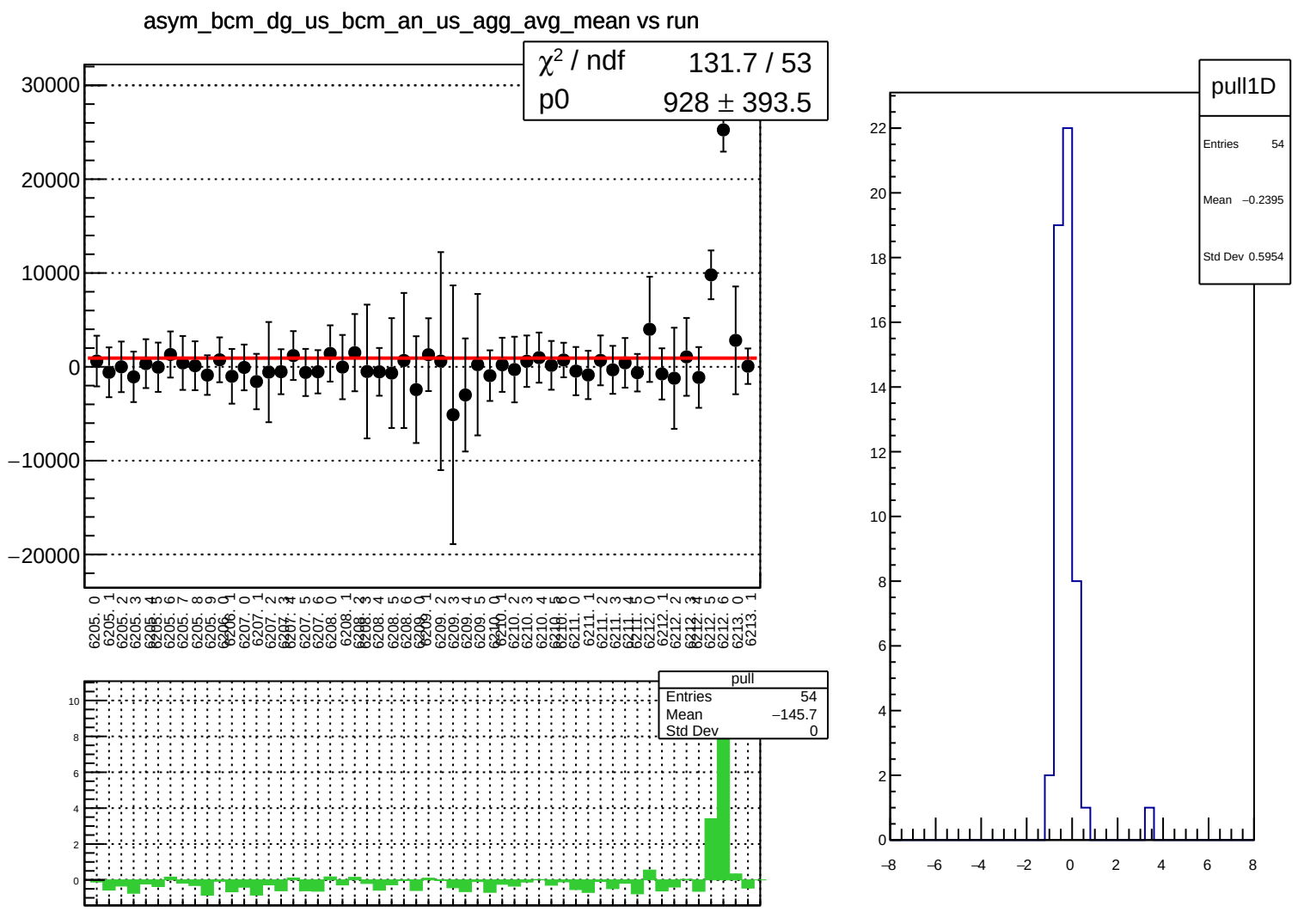
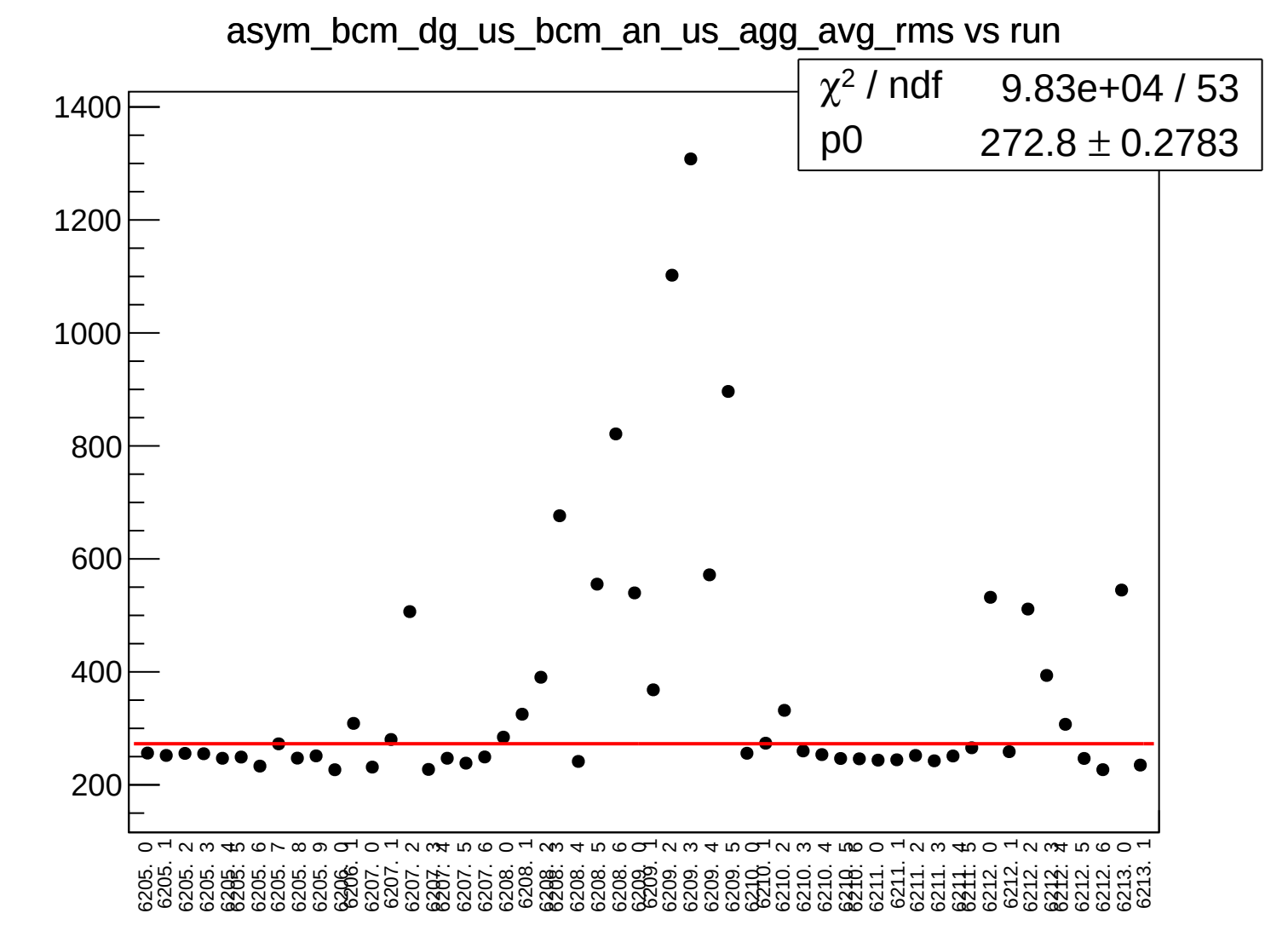
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs run
χ² / ndf 131.7 / 53
p0 928 ± 393.5
30000
20000
10000
0
−10000
−20000
pull
Entries 54
Mean −145.7
Std Dev 0
pull1D
Entries 54
Mean −0.2395
Std Dev 0.5954


asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs run
χ² / ndf 9.83e+04 / 53
p0 272.8 ± 0.2783
1400
1200
1000
800
600
400
200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
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6210. 0
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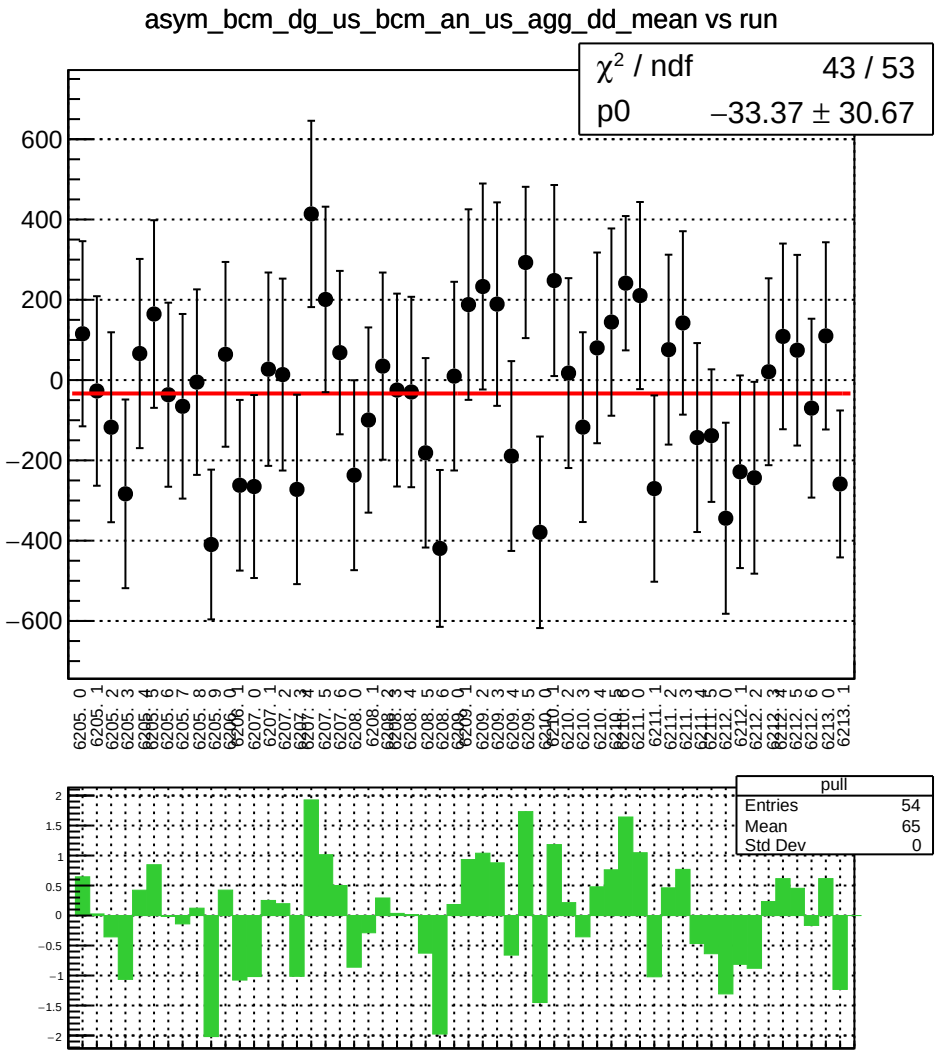
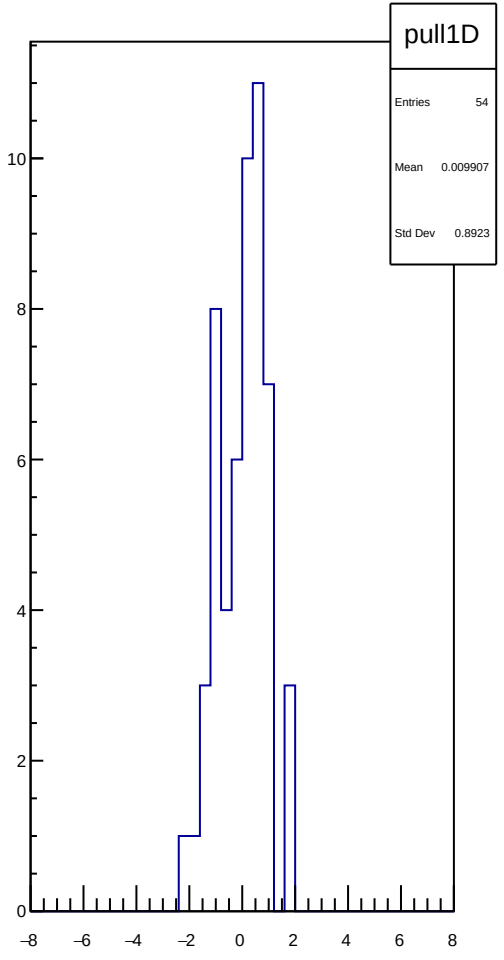
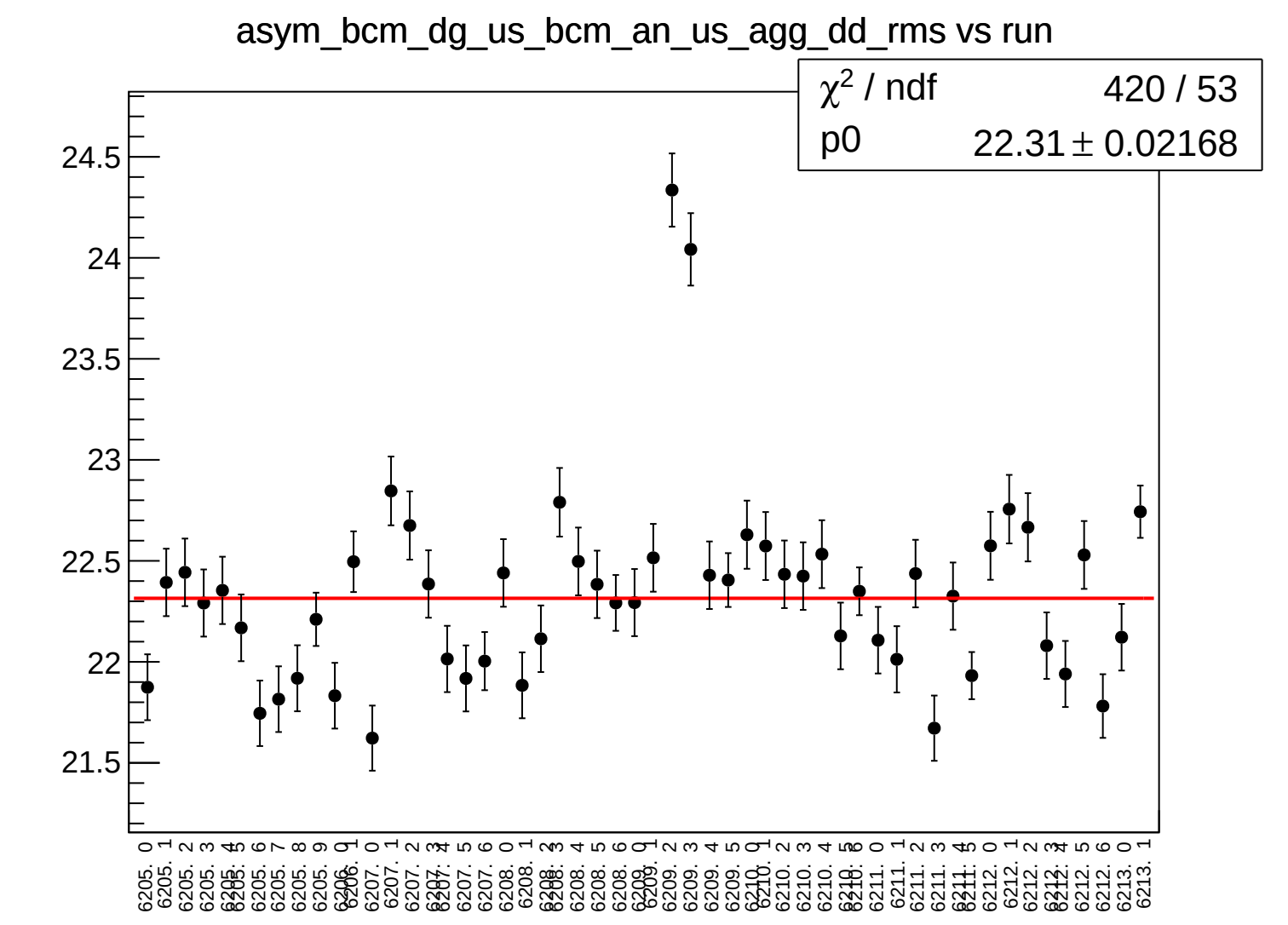
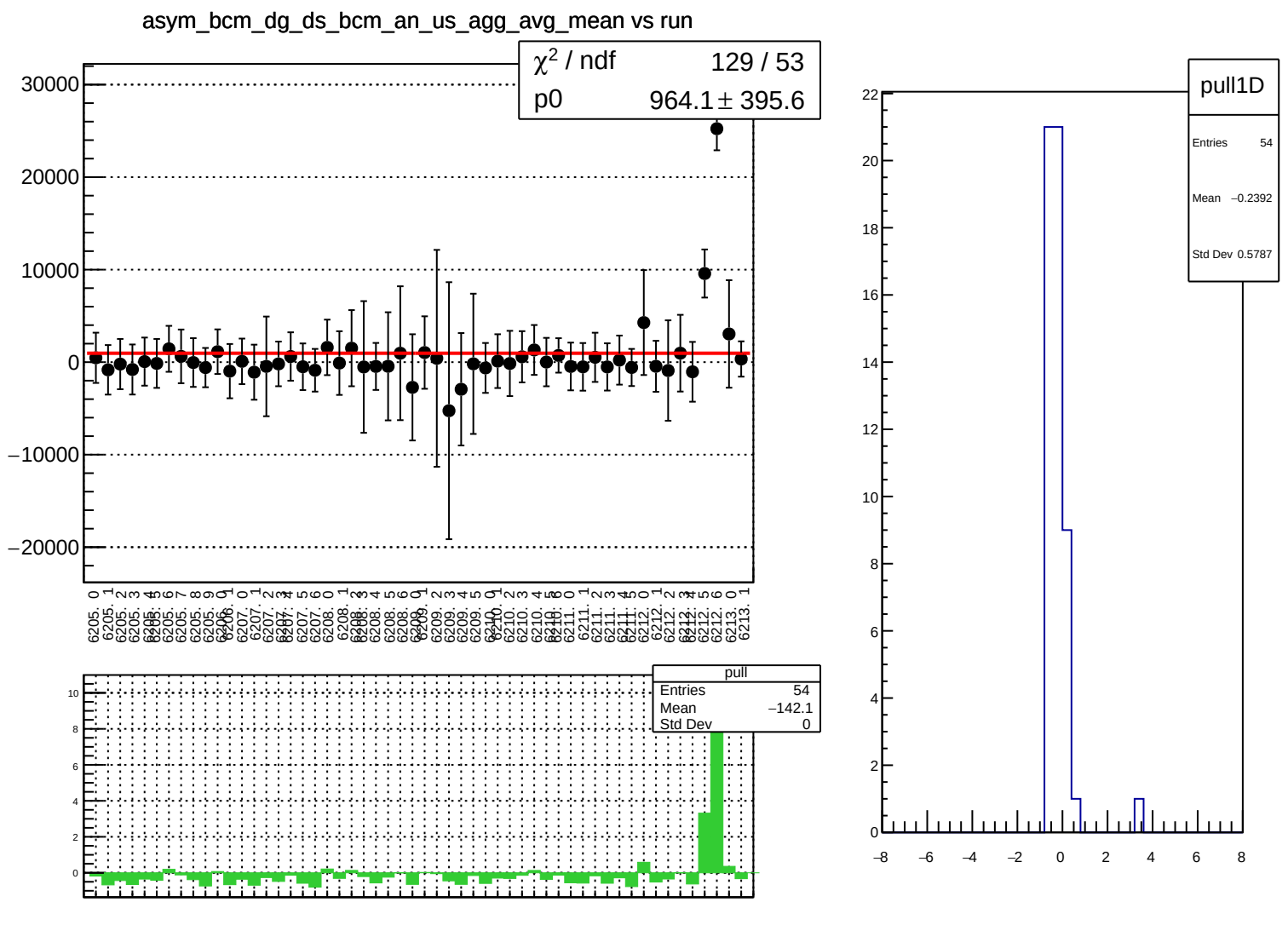
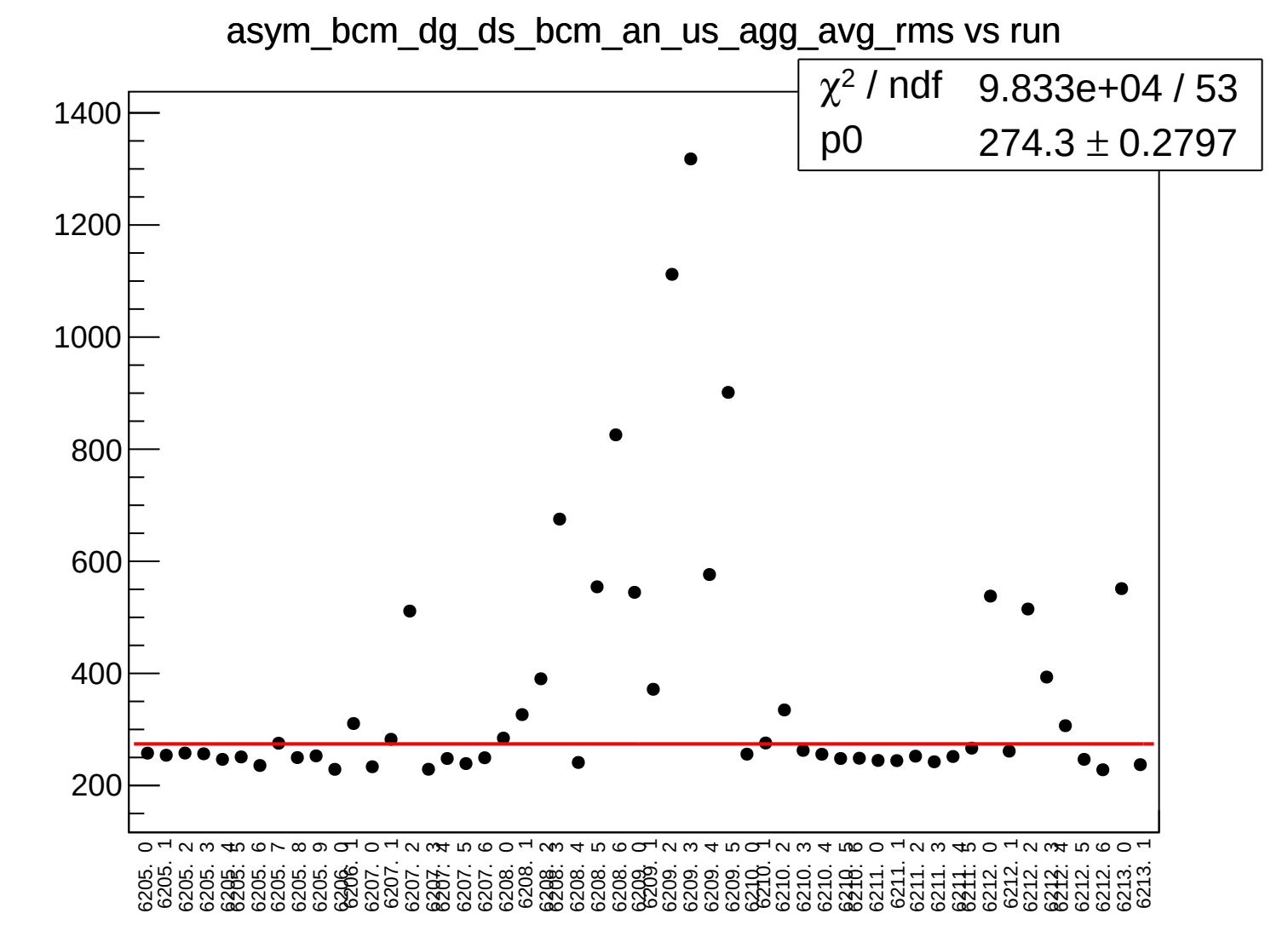
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

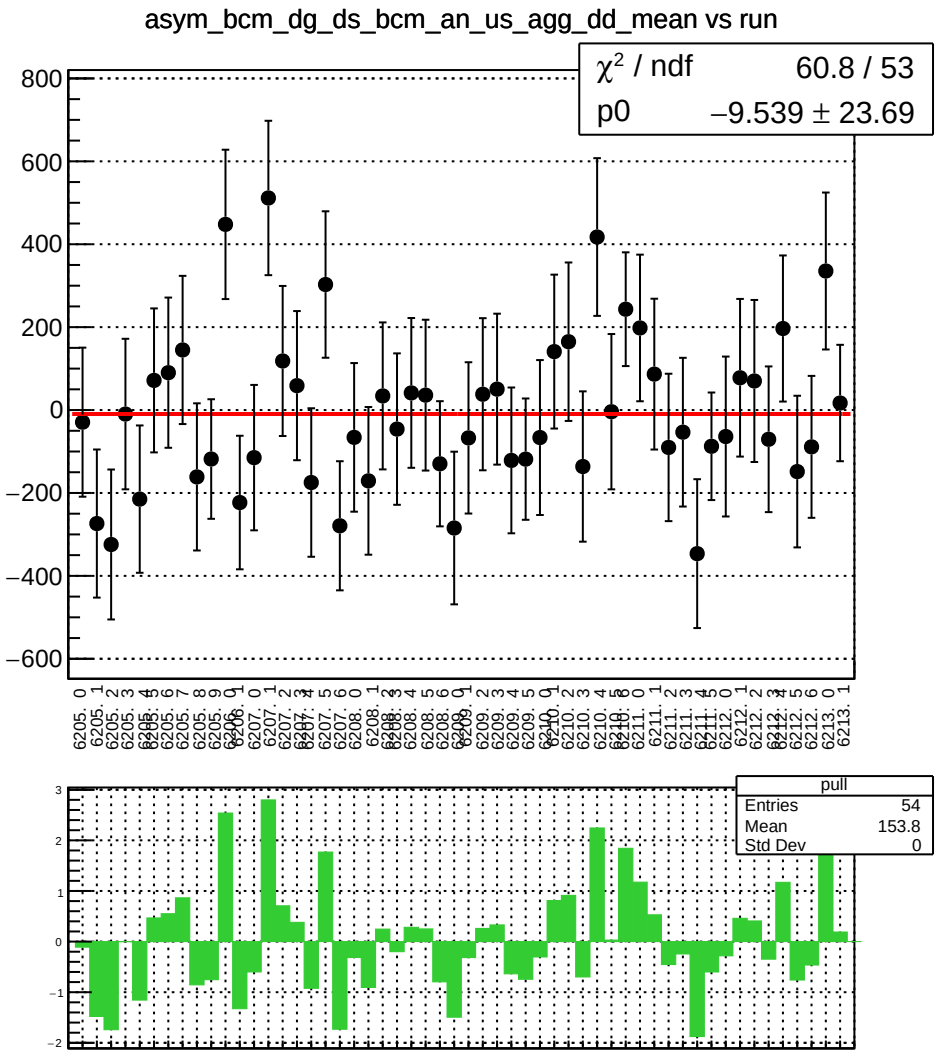

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs run
χ² / ndf 43 / 53
p0 −33.37 ± 30.67
pull
Entries 54
Mean 65
Std Dev 0

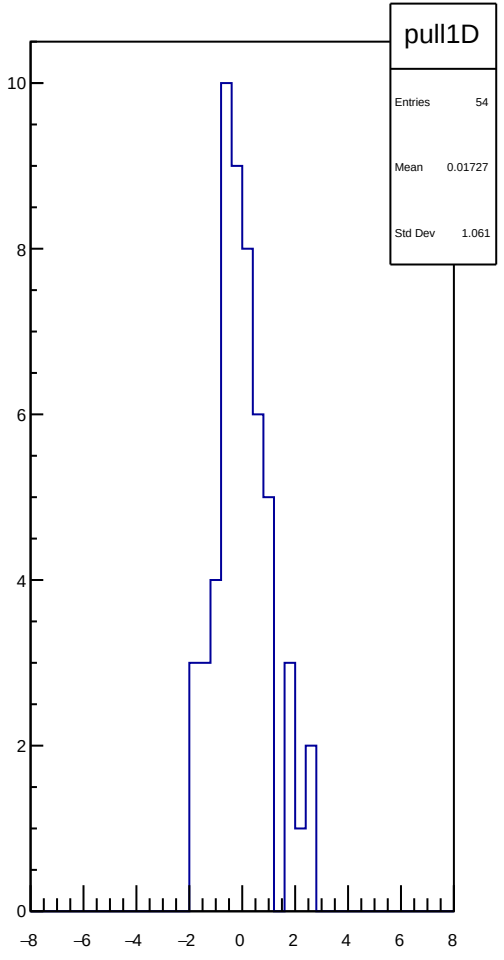

pull1D
Entries 54
Mean 0.009907
Std Dev 0.8923

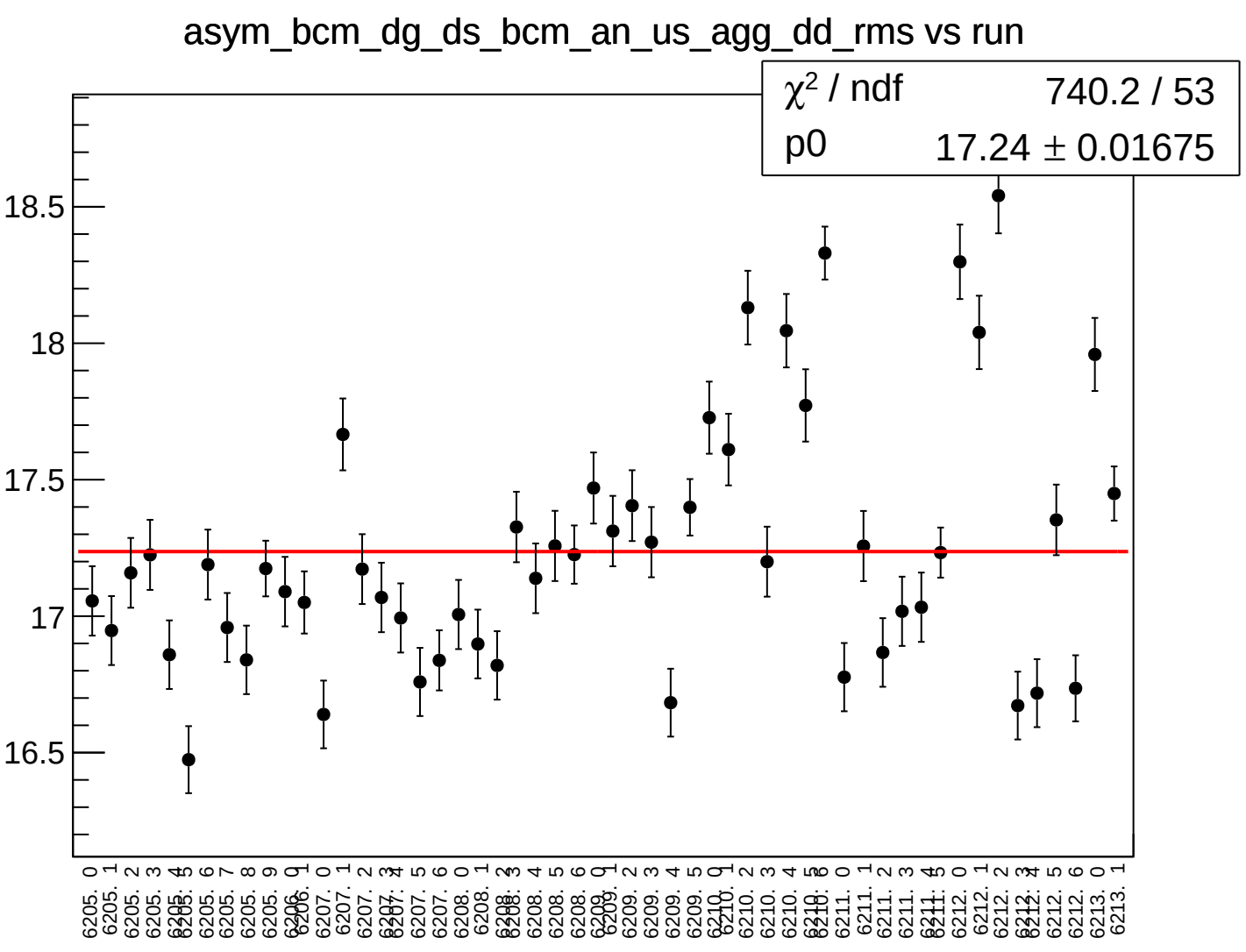

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs run
χ² / ndf 420 / 53
p0 22.31 ± 0.02168
24.5
24
23.5
23
22.5
22
21.5
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

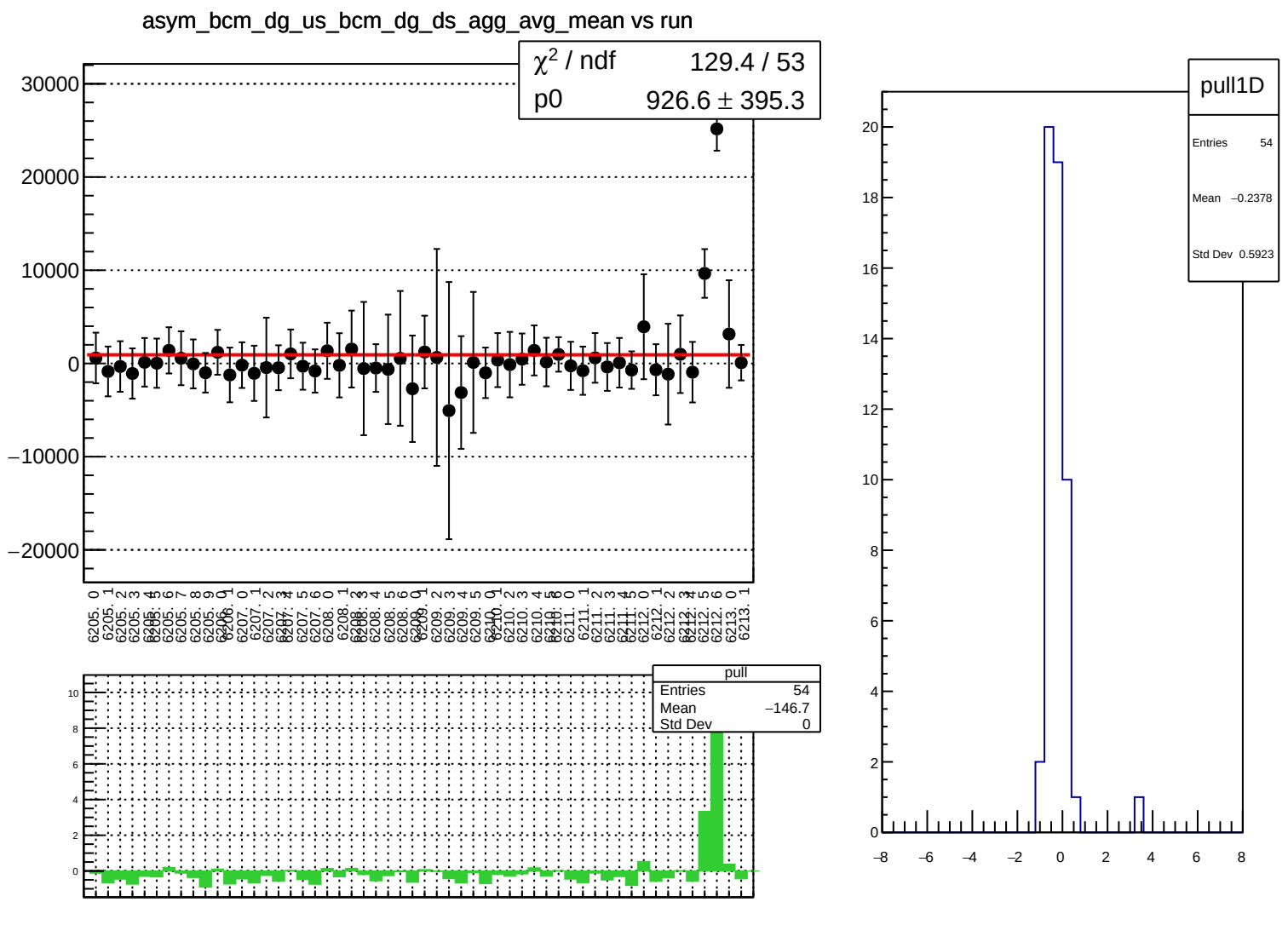

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs run
χ² / ndf 129 / 53
p0 964.1 ± 395.6
pull
Entries 54
Mean −142.1
Std Dev 0
pull1D
Entries 54
Mean −0.2392
Std Dev 0.5787

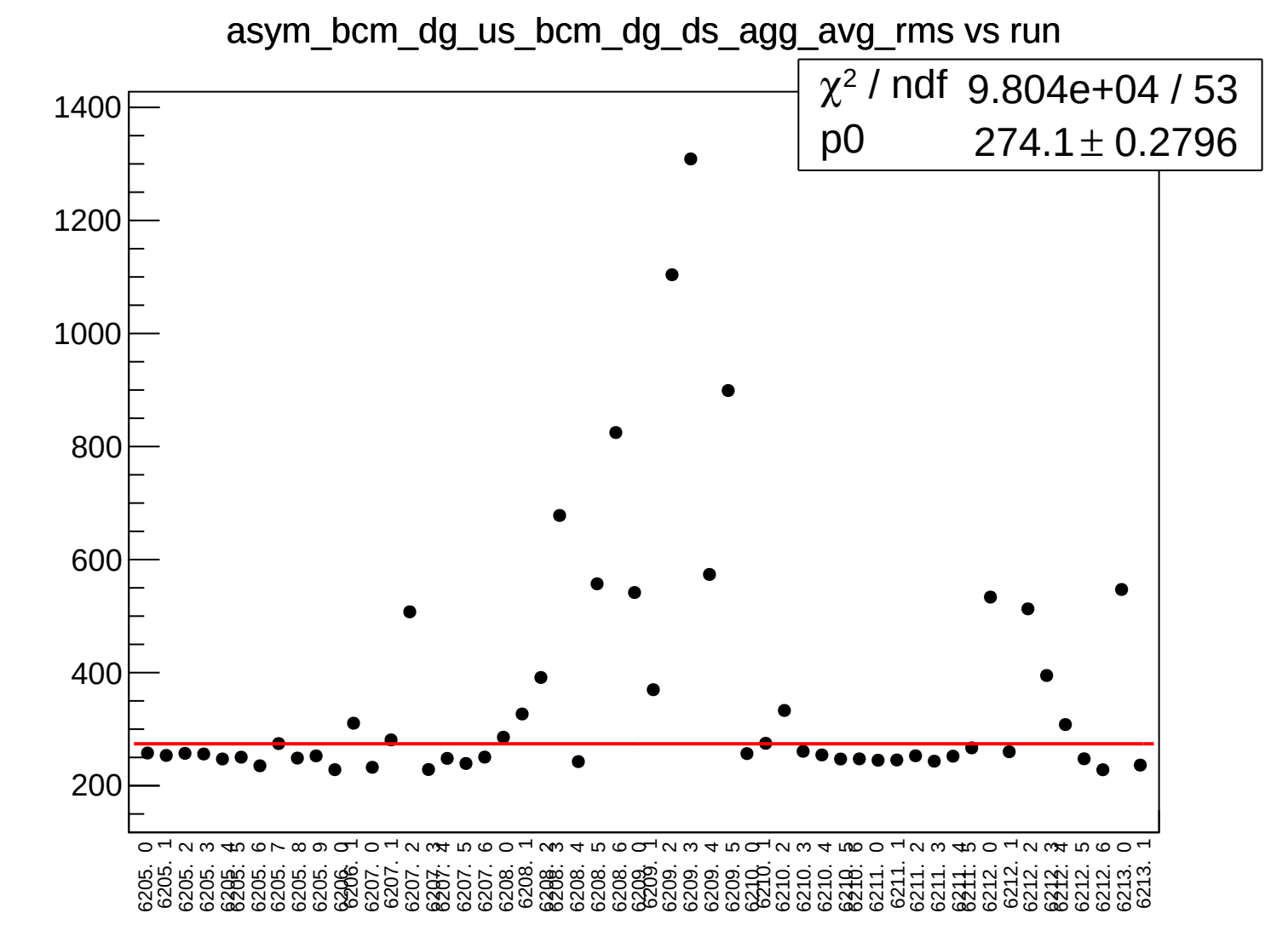

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs run
χ² / ndf 9.833e+04 / 53
p0 274.3 ± 0.2797
1400
1200
1000
800
600
400
200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

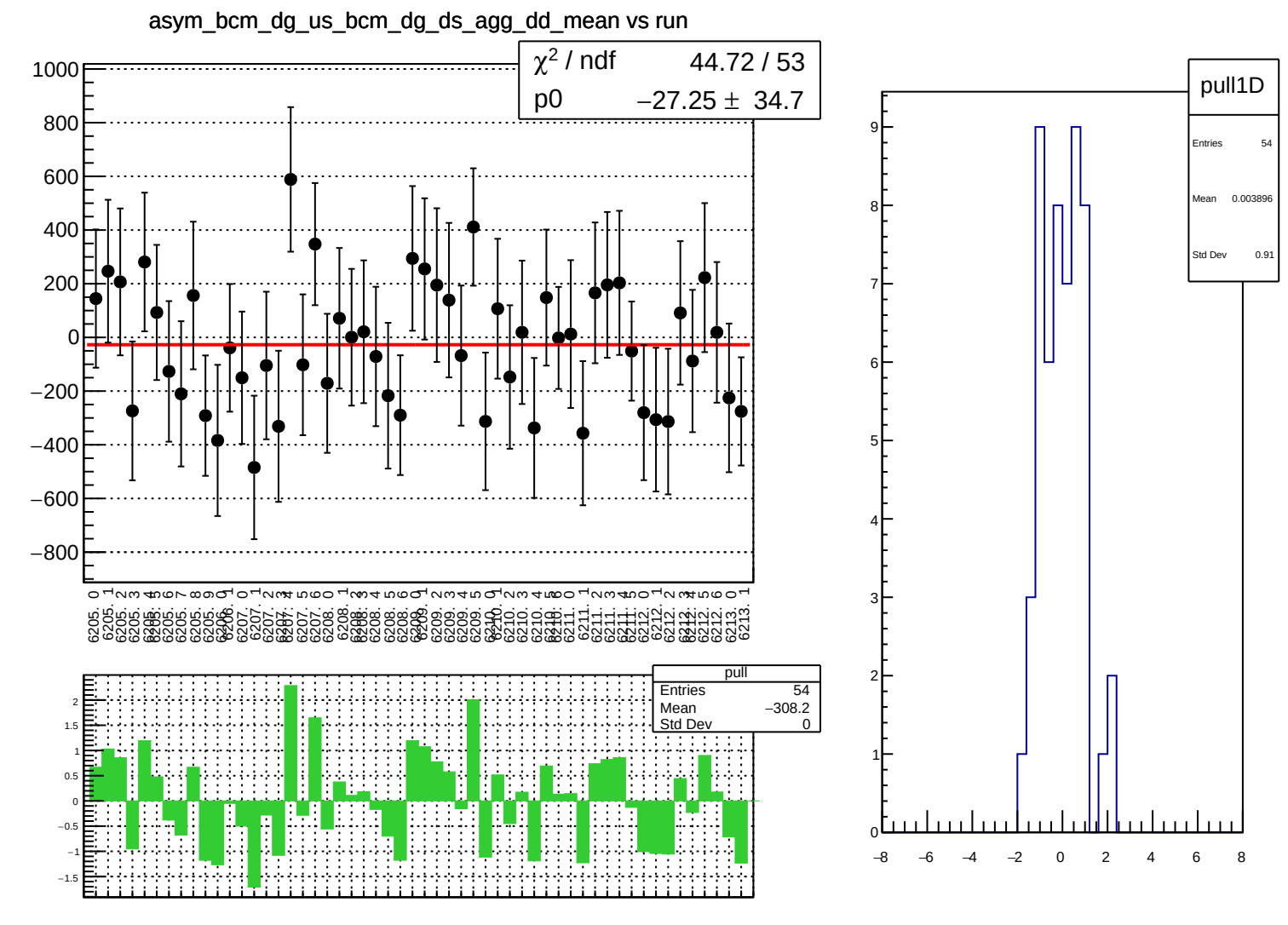

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs run
χ² / ndf 60.8 / 53
p0 −9.539 ± 23.69
pull
Entries 54
Mean 153.8
Std Dev 0

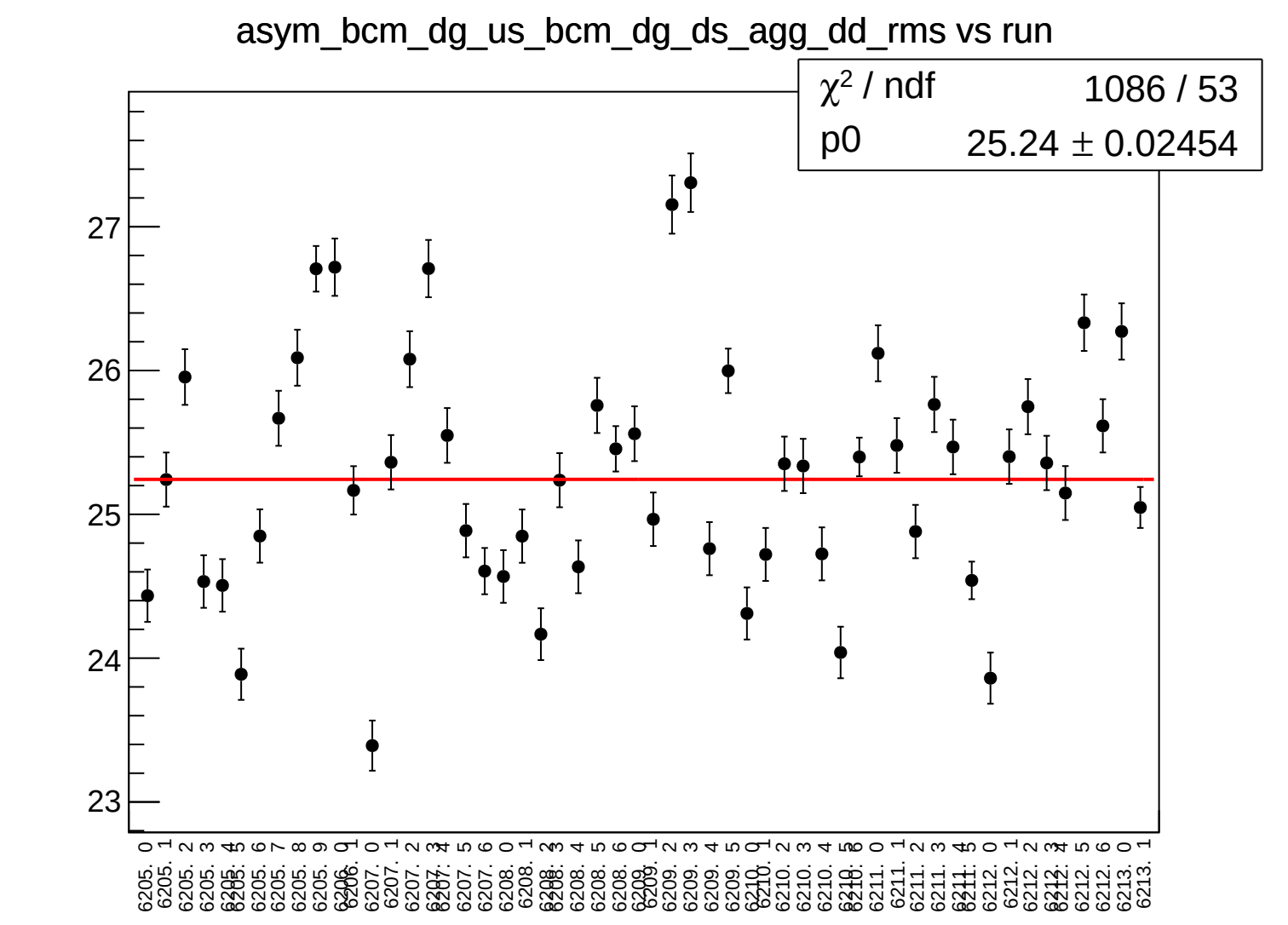

pull1D
Entries 54
Mean 0.01727
Std Dev 1.061

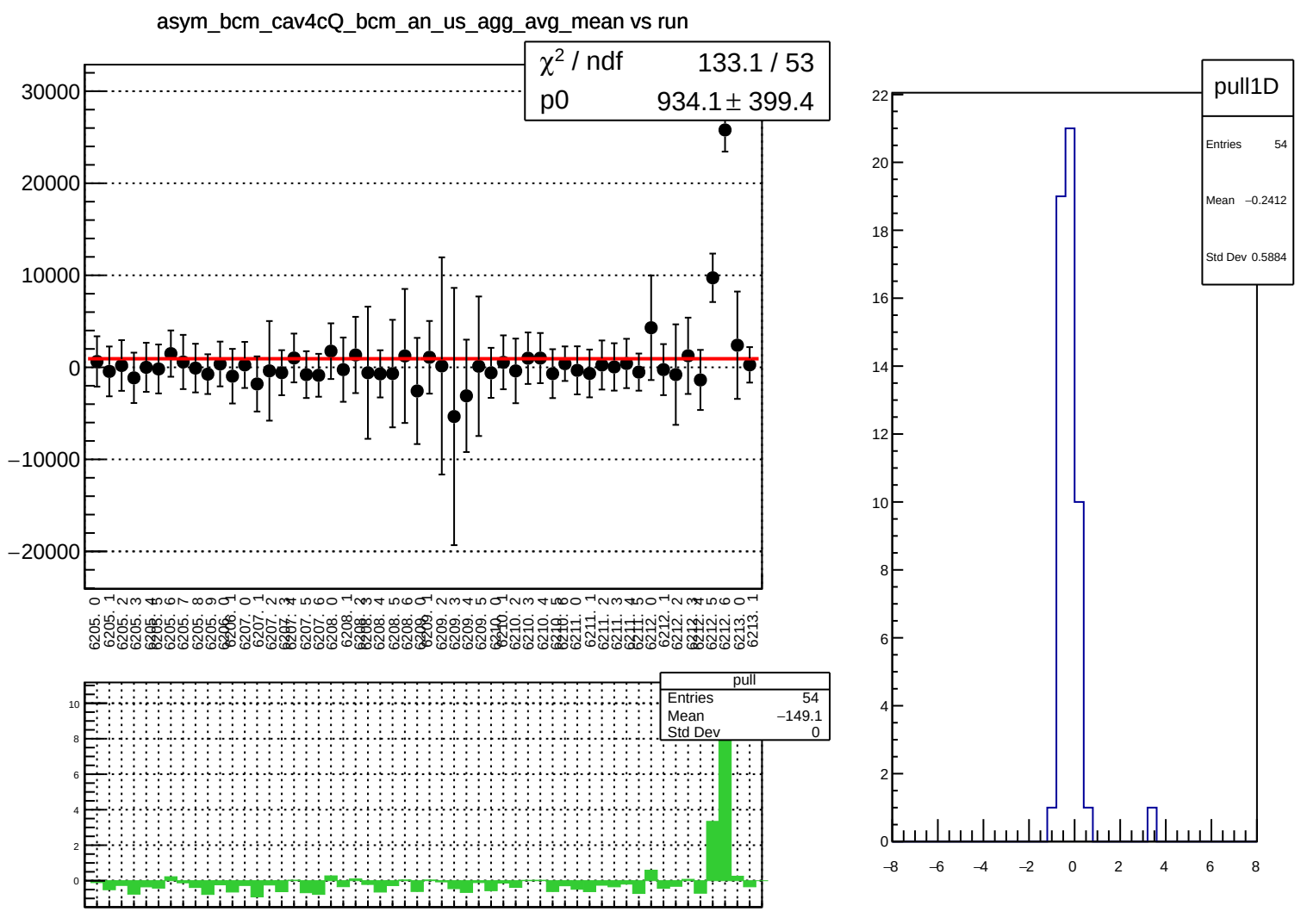

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs run
χ² / ndf 740.2 / 53
p0 17.24 ± 0.01675
18.5
18
17.5
17
16.5
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

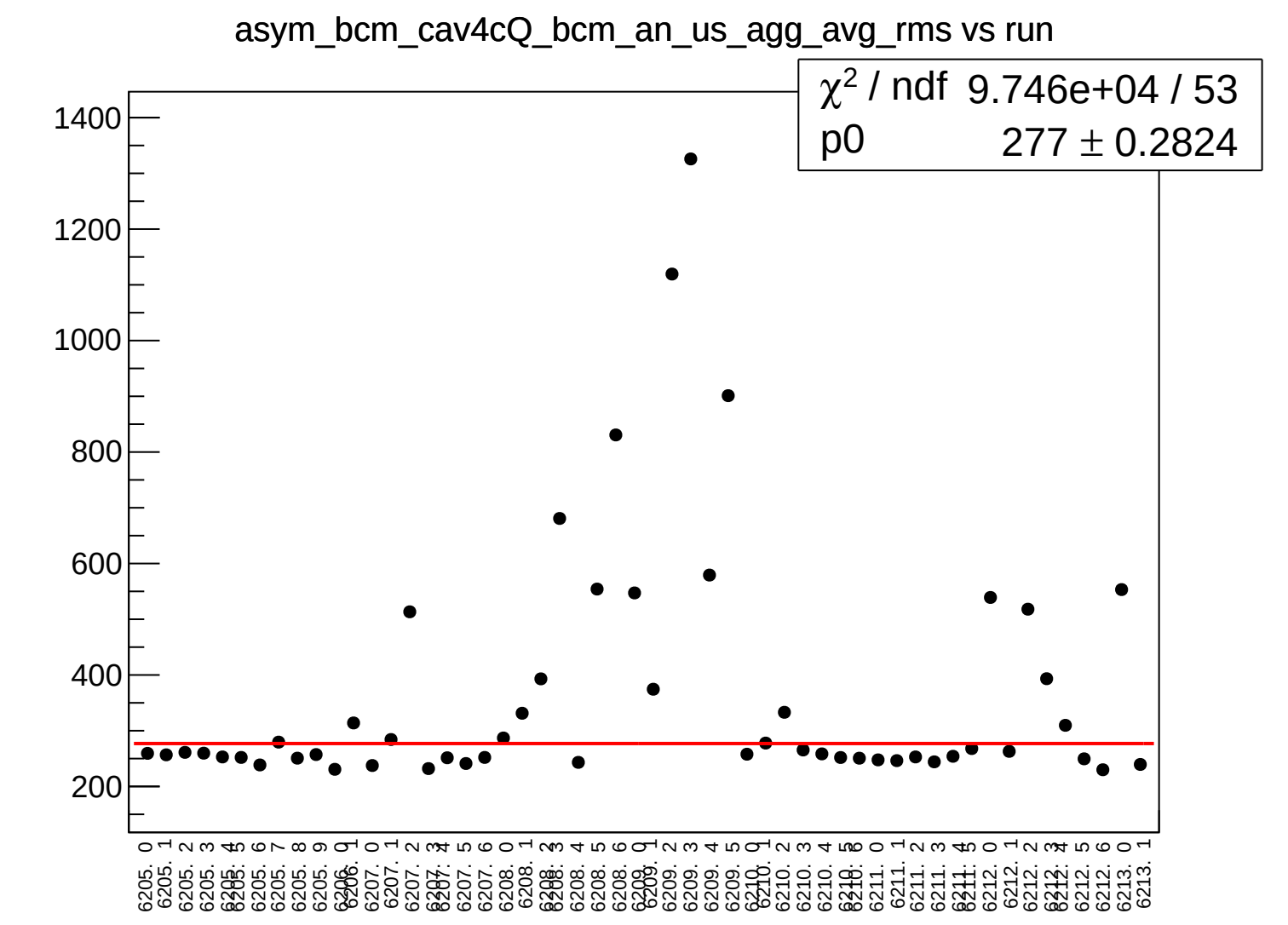

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs run
χ² / ndf 129.4 / 53
p0 926.6 ± 395.3
30000
20000
10000
0
−10000
−20000
pull
Entries 54
Mean −146.7
Std Dev 0
pull1D
Entries 54
Mean −0.2378
Std Dev 0.5923

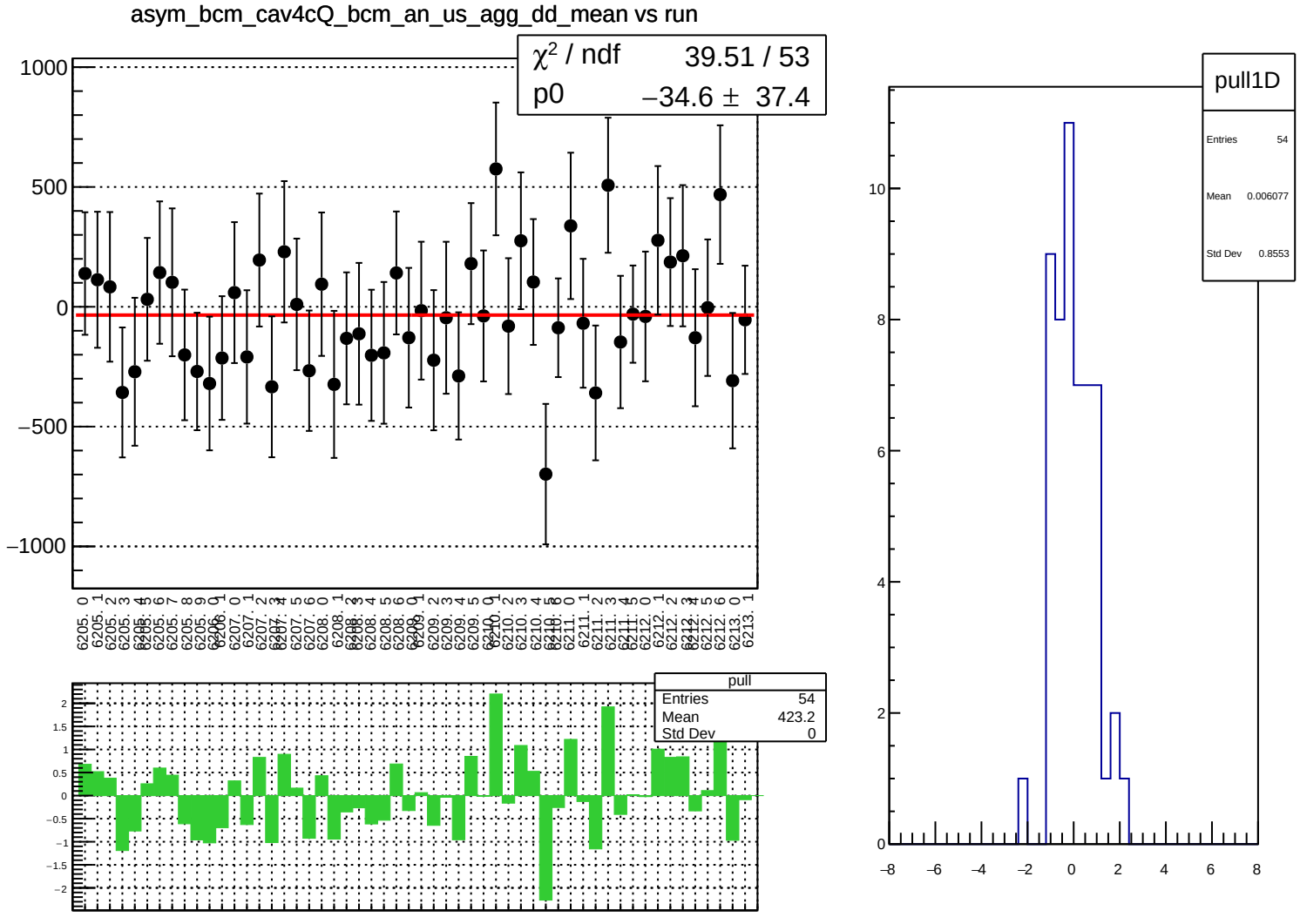

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs run
χ² / ndf 9.804e+04 / 53
p0 274.1 ± 0.2796
1400
1200
1000
800
600
400
200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

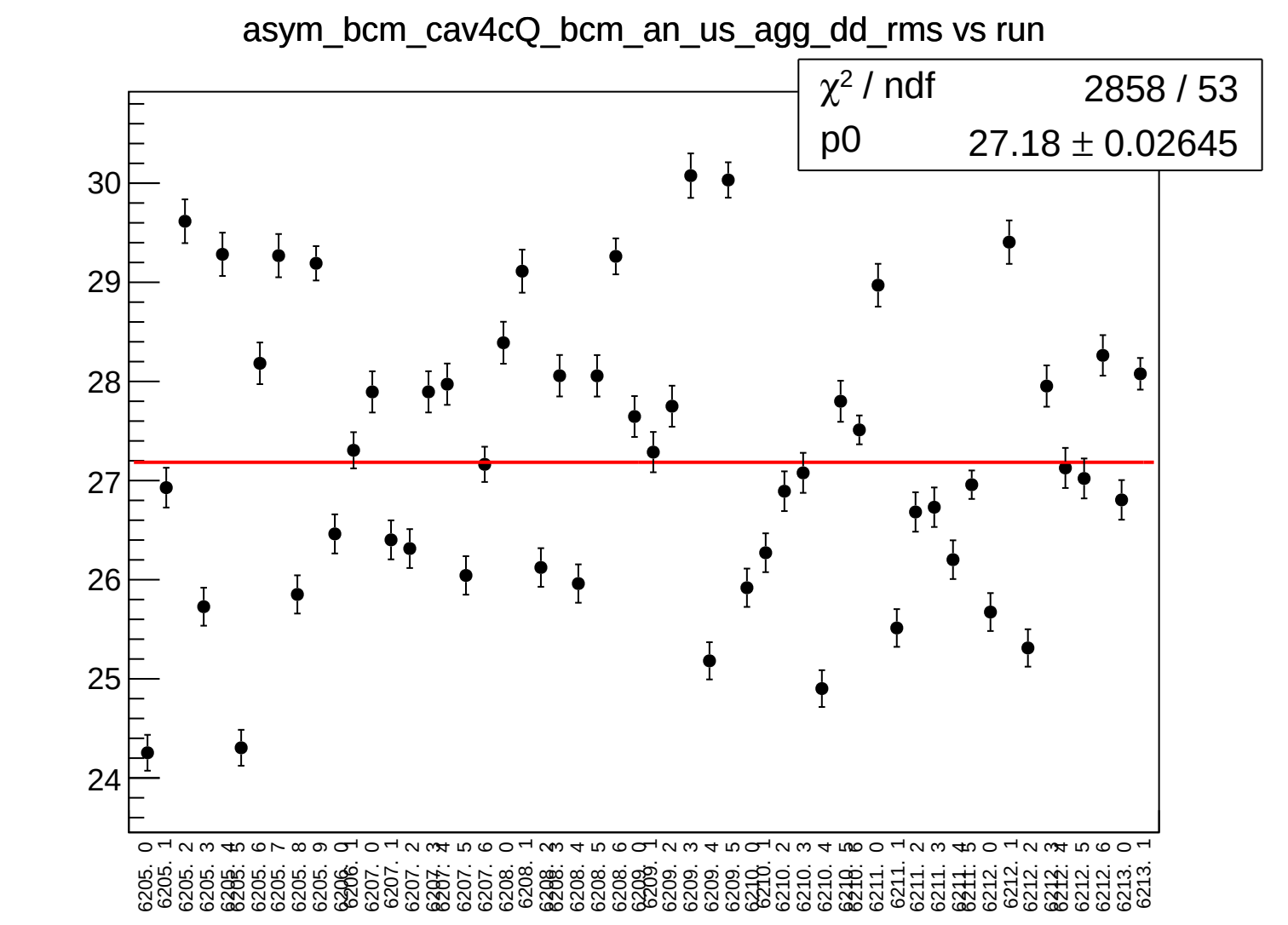

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 44.72 / 53
p0 −27.25 ± 34.7
pull
Entries 54
Mean −308.2
Std Dev 0
pull1D
Entries 54
Mean 0.003896
Std Dev 0.91

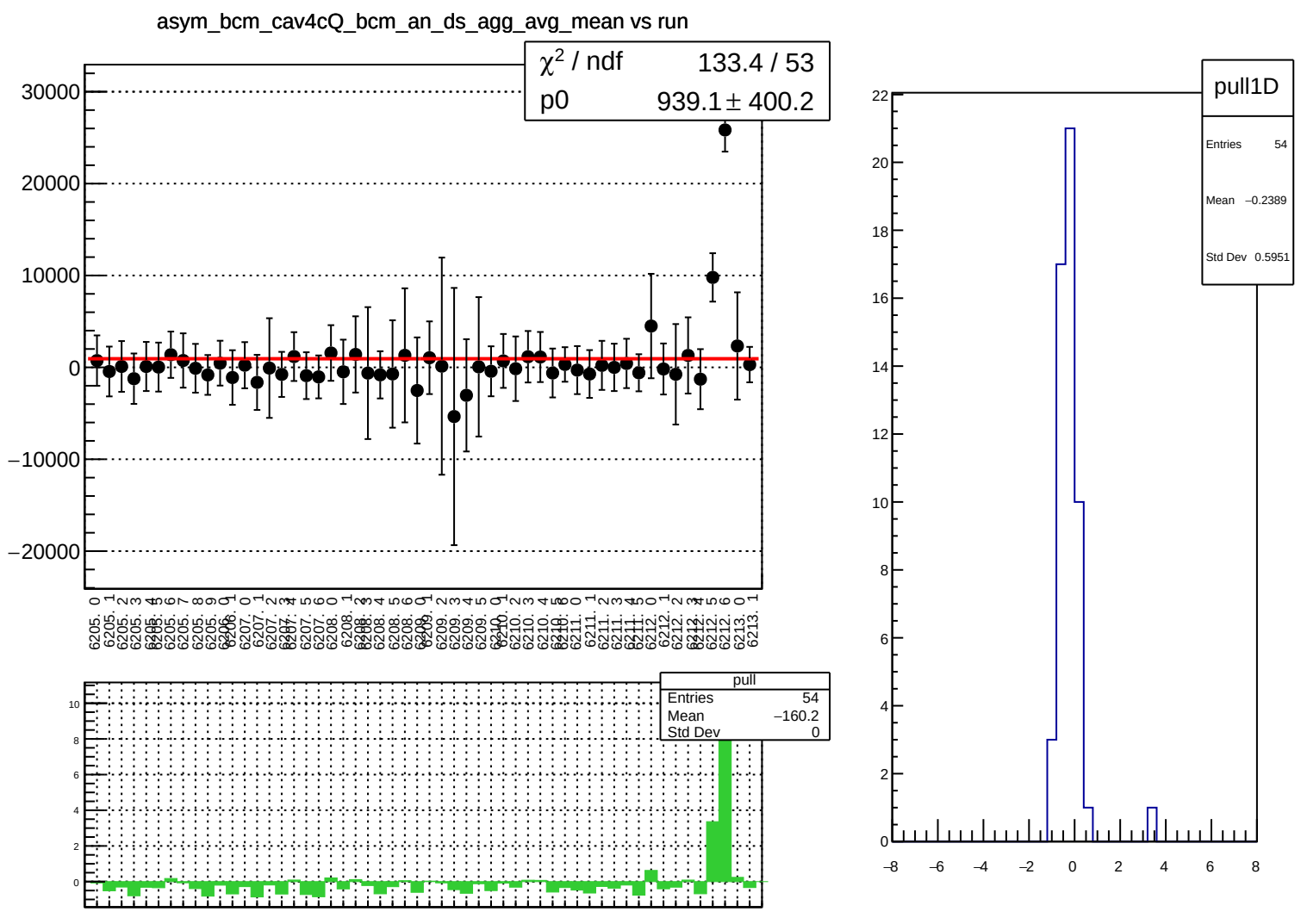

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 1086 / 53
p0 25.24 ± 0.02454
27
26
25
24
23
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

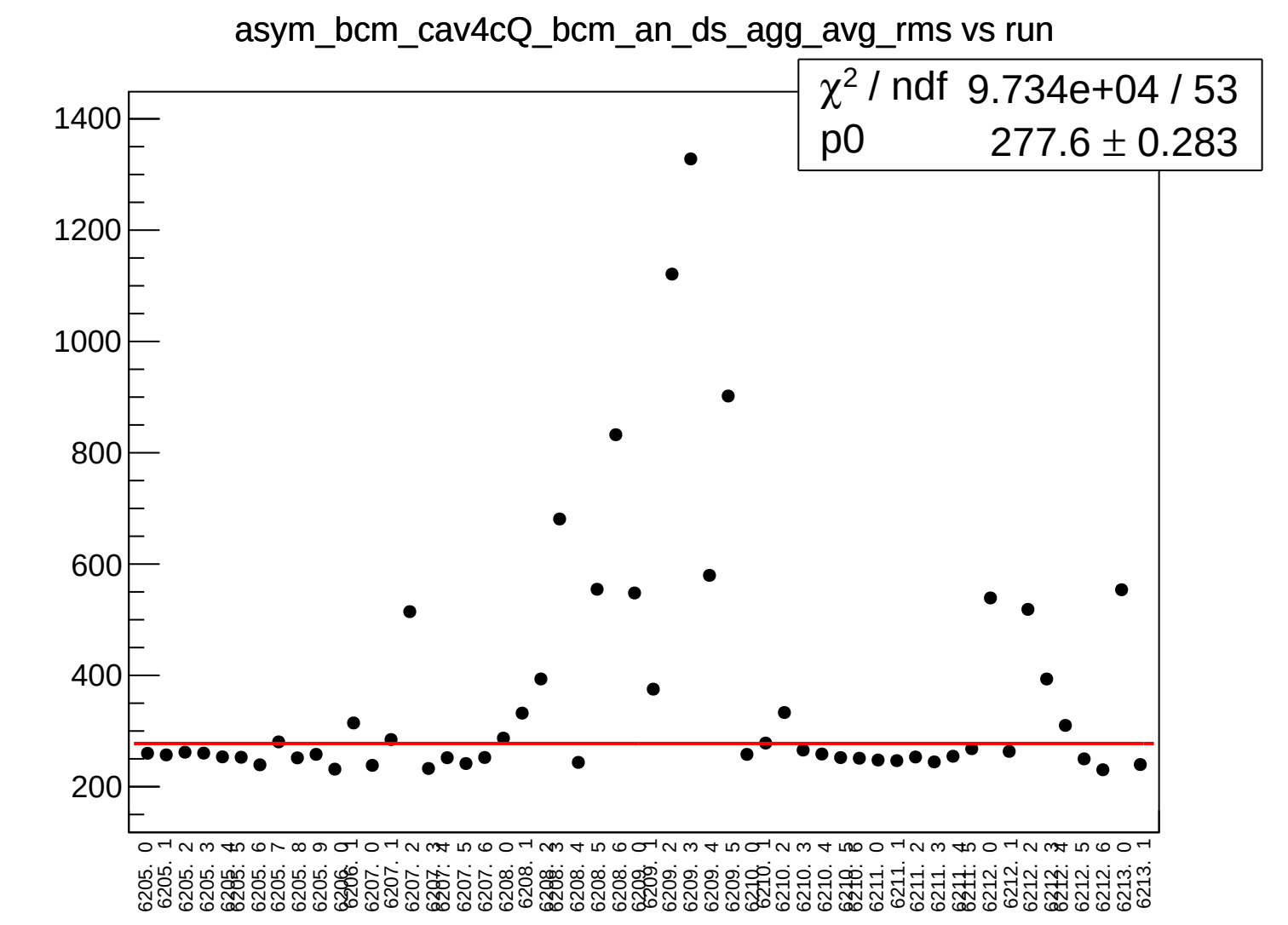

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs run
χ² / ndf 133.1 / 53
p0 934.1 ± 399.4
30000
20000
10000
0
−10000
−20000
pull
Entries 54
Mean −149.1
Std Dev 0
pull1D
Entries 54
Mean −0.2412
Std Dev 0.5884


asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs run
χ² / ndf 9.746e+04 / 53
p0 277 ± 0.2824
1400
1200
1000
800
600
400
200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1


asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs run
χ² / ndf 39.51 / 53
p0 −34.6 ± 37.4
1000
500
0
−500
−1000
pull
Entries 54
Mean 423.2
Std Dev 0
pull1D
Entries 54
Mean 0.006077
Std Dev 0.8553


asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs run
χ² / ndf 2858 / 53
p0 27.18 ± 0.02645
30
29
28
27
26
25
24
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 133.4 / 53
p0 939.1 ± 400.2
30000
20000
10000
0
−10000
−20000
pull
Entries 54
Mean −160.2
Std Dev 0
pull1D
Entries 54
Mean −0.2389
Std Dev 0.5951


asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 9.734e+04 / 53
p0 277.6 ± 0.283
1400
1200
1000
800
600
400
200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
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6211. 2
6211. 3
6211. 4
6211. 5
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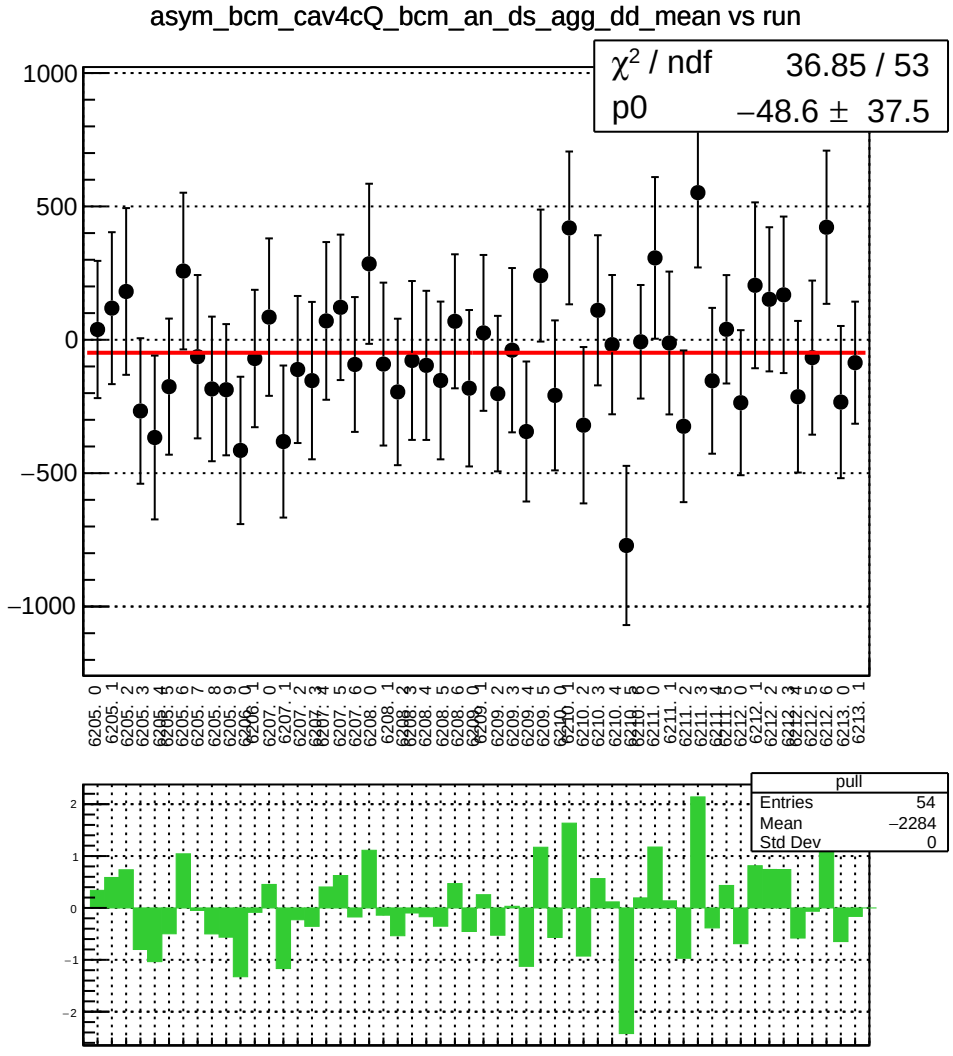
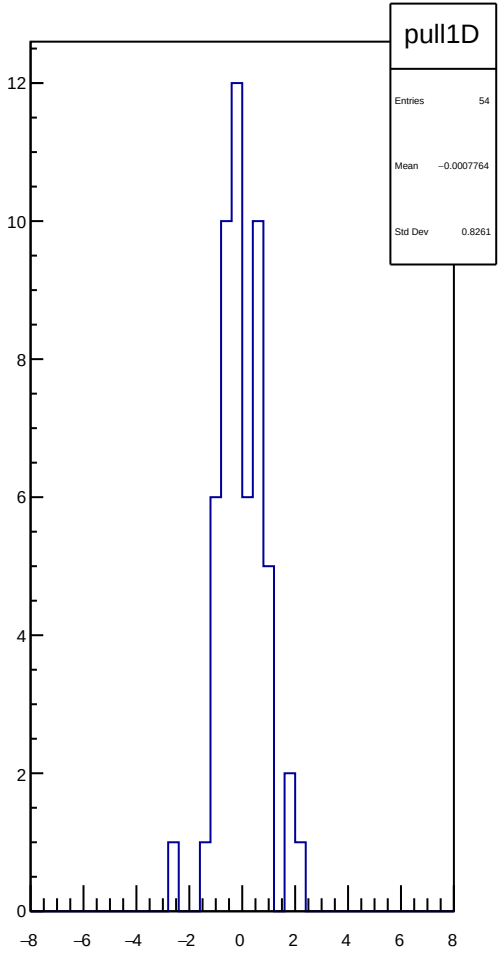
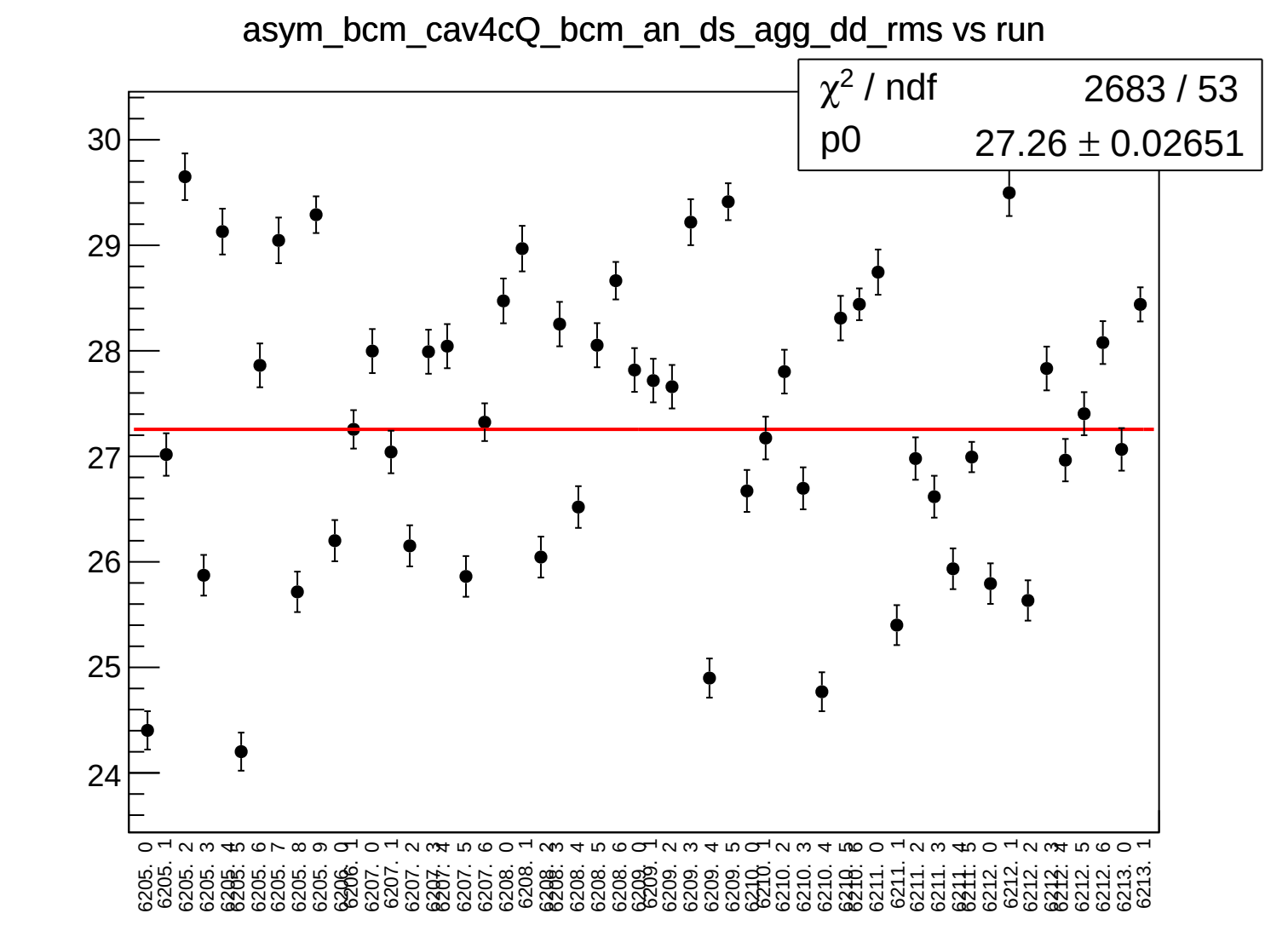
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 36.85 / 53
p0 −48.6 ± 37.5
1000
500
0
−500
−1000
pull
Entries 54
Mean −2284
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 54
Mean −0.0007764
Std Dev 0.8261
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 2683 / 53
p0 27.26 ± 0.02651
30
29
28
27
26
25
24
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
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6207. 6
6208. 0
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6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
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6210. 2
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6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
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6212. 6
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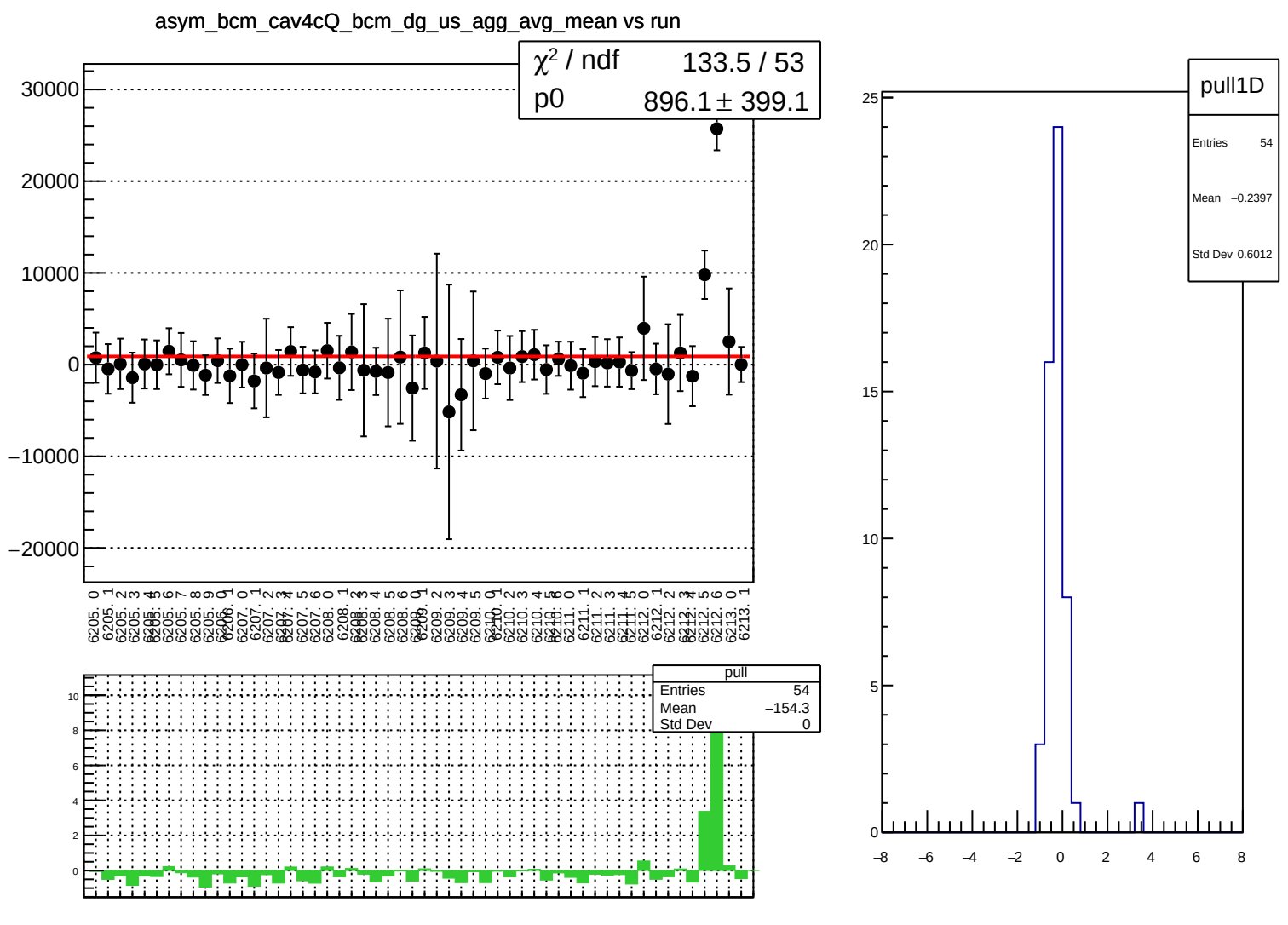
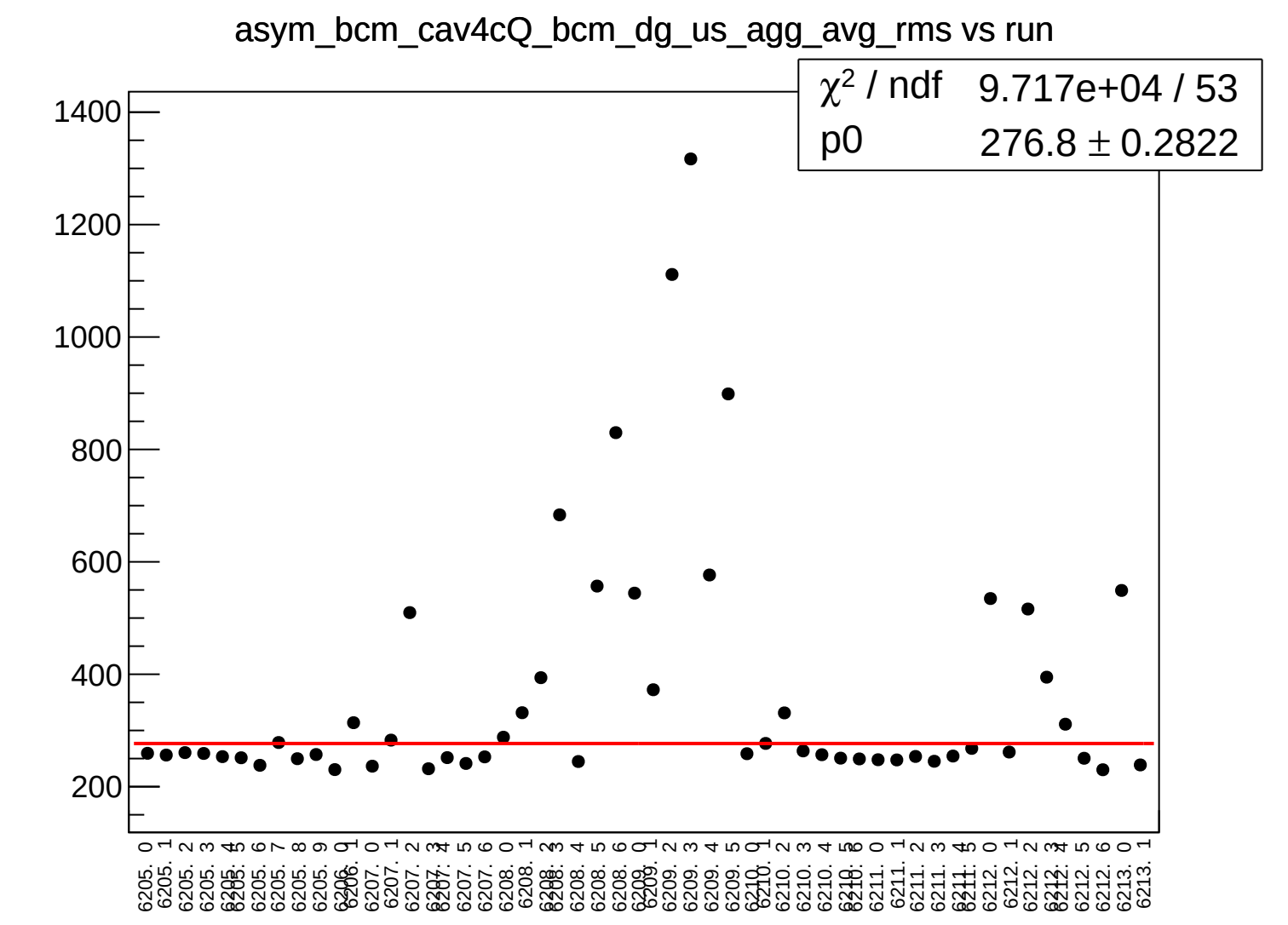
6213. 1


asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs run
χ² / ndf 133.5 / 53
p0 896.1 ± 399.1
30000
20000
10000
0
−10000
−20000
pull
Entries 54
Mean −154.3
Std Dev 0
pull1D
Entries 54
Mean −0.2397
Std Dev 0.6012


asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs run
χ² / ndf 9.717e+04 / 53
p0 276.8 ± 0.2822
1400
1200
1000
800
600
400
200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
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6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
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6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
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6210. 0
6210. 1
6210. 2
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6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
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6212. 2
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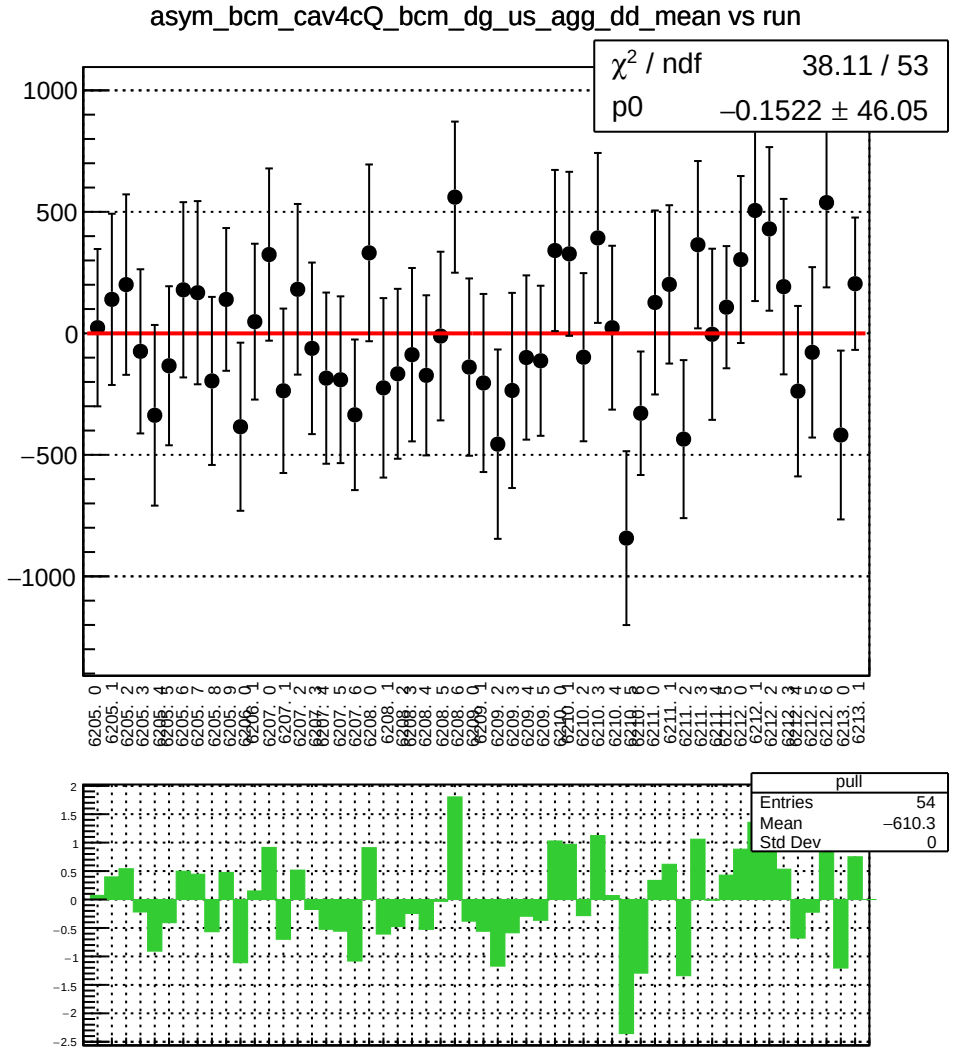
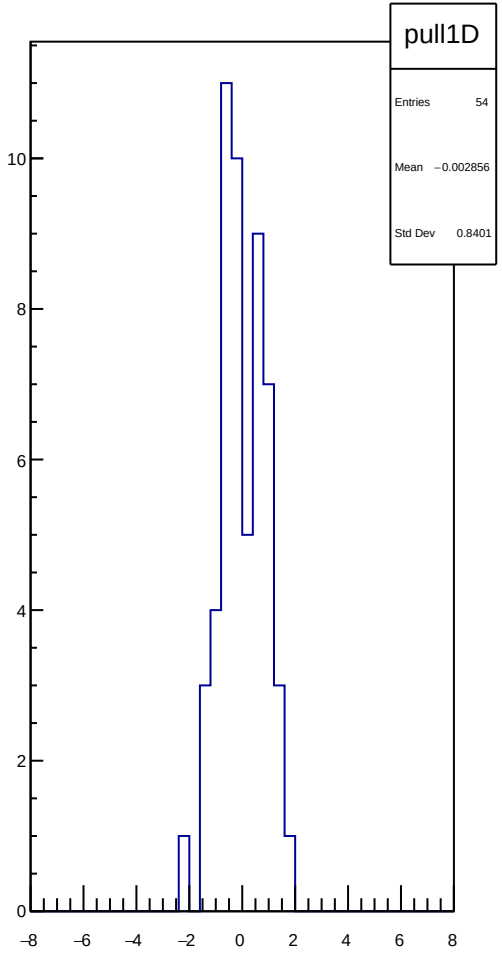
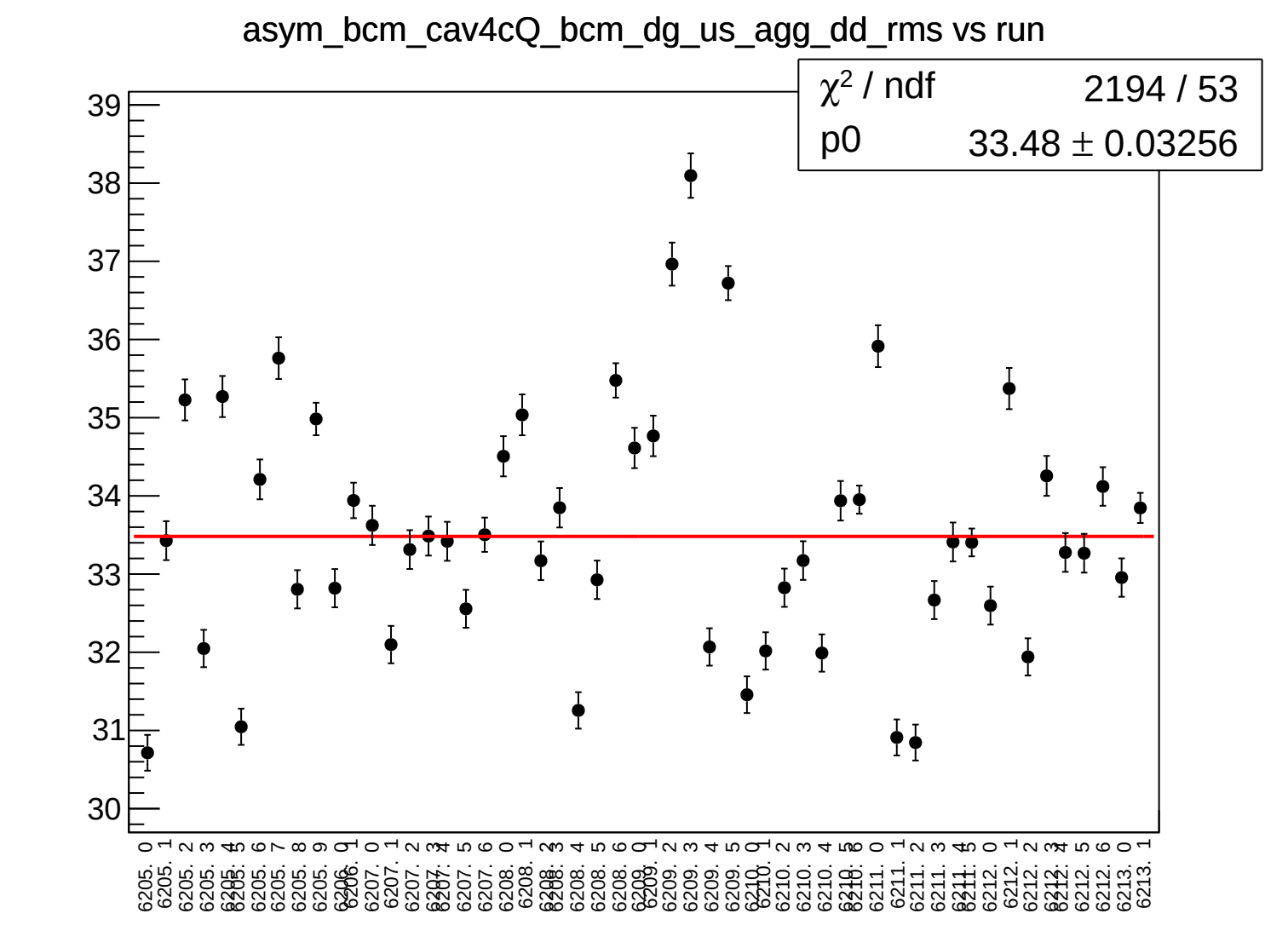
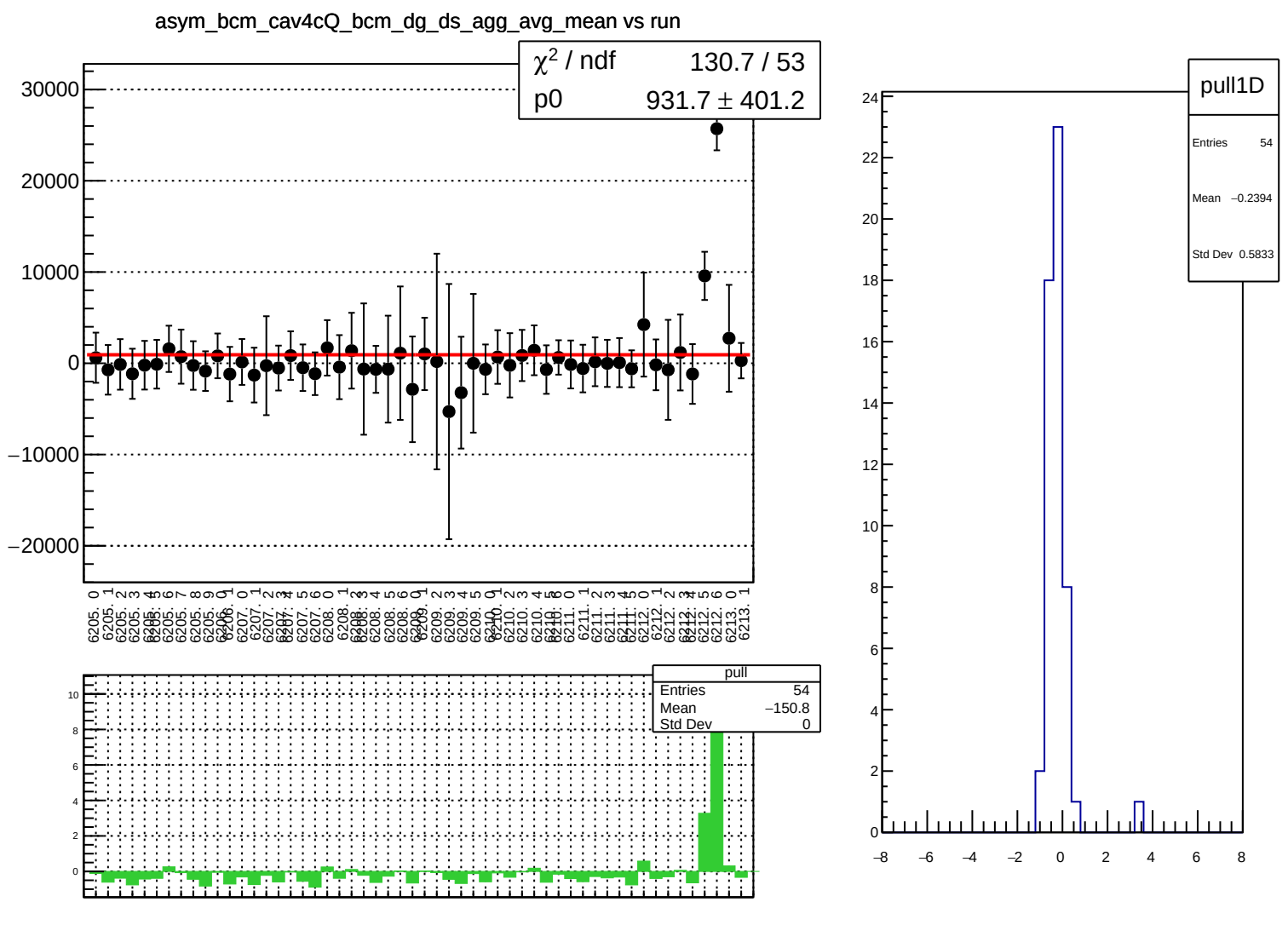
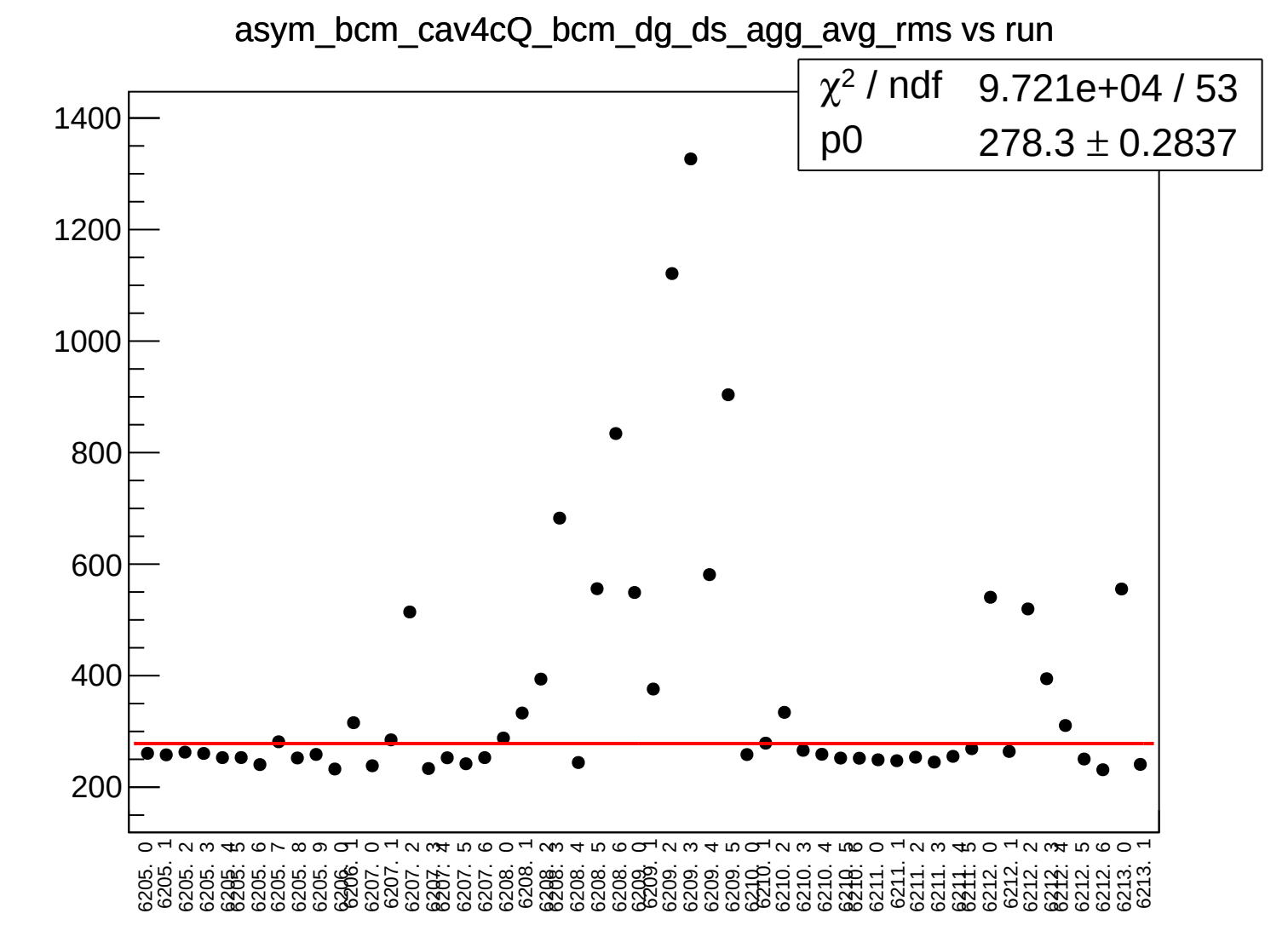
6212. 5
6212. 6
6213. 0
6213. 1

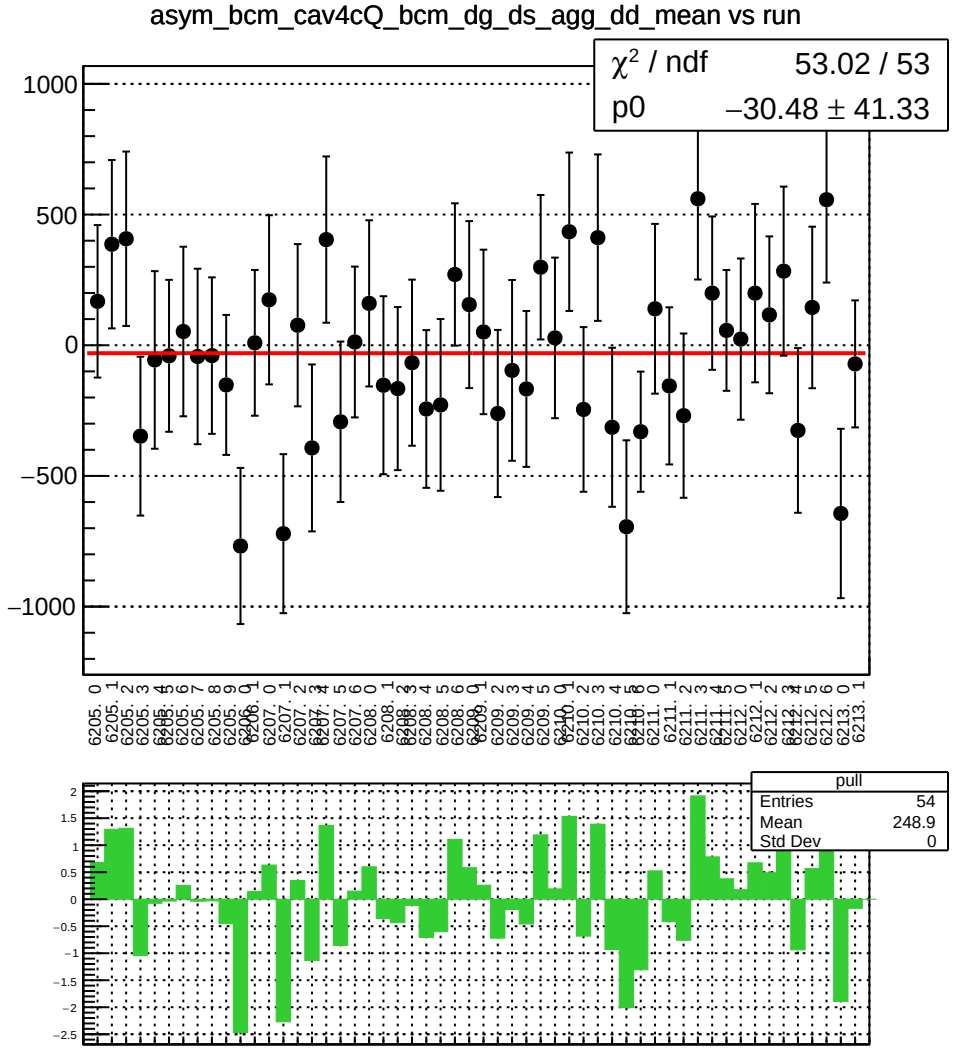

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs run
χ² / ndf 38.11 / 53
p0 −0.1522 ± 46.05
1000
500
0
−500
−1000
pull
Entries 54
Mean −610.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

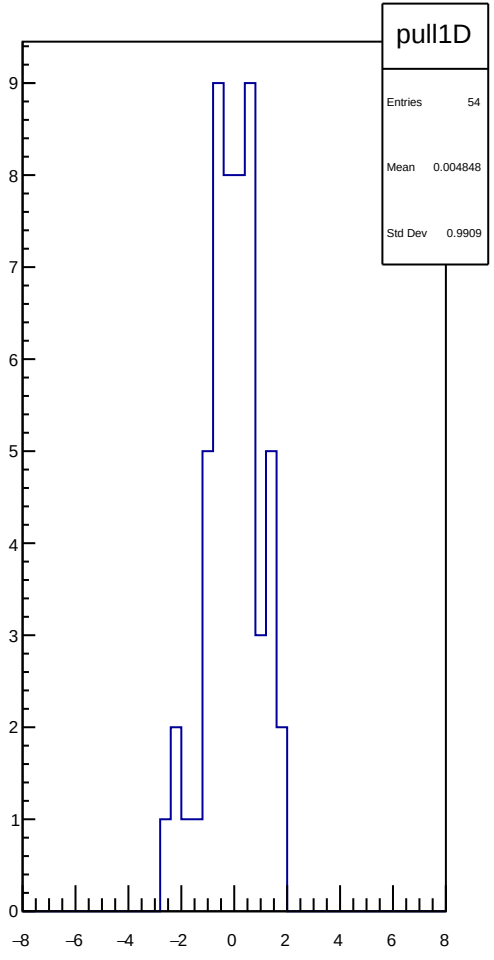

pull1D
Entries 54
Mean −0.002856
Std Dev 0.8401
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

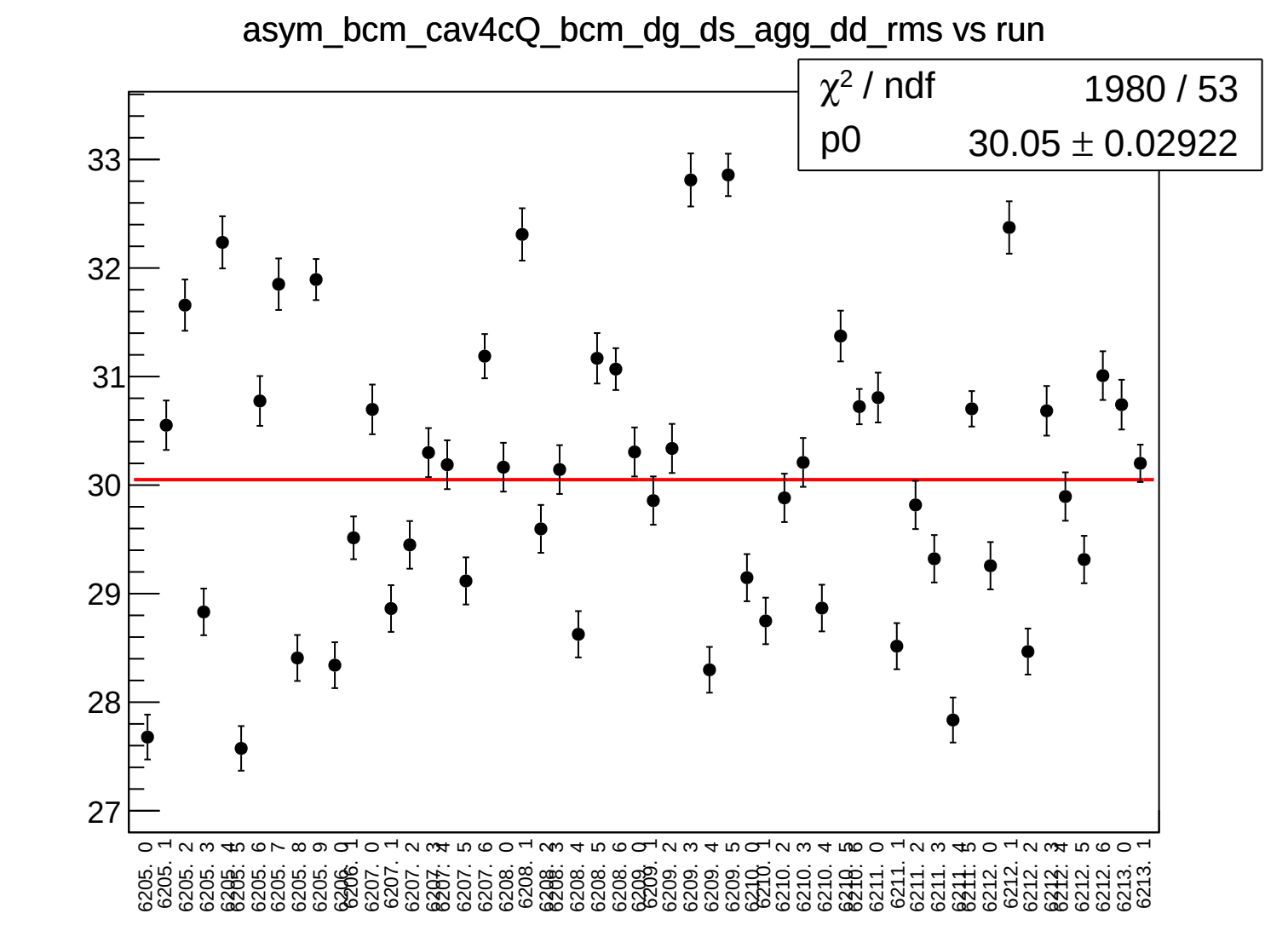

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs run
χ² / ndf 2194 / 53
p0 33.48 ± 0.03256
39
38
37
36
35
34
33
32
31
30
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

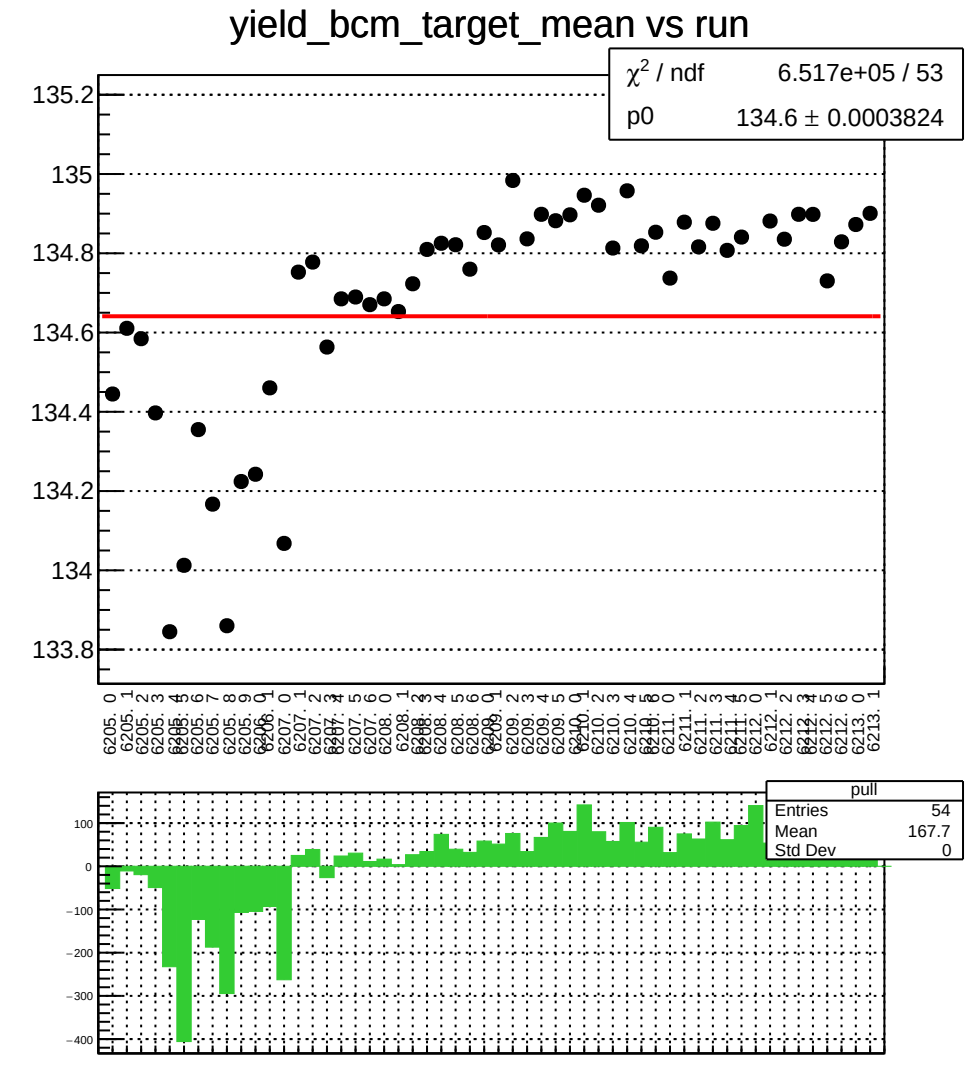

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs run
χ² / ndf 130.7 / 53
p0 931.7 ± 401.2
30000
20000
10000
0
−10000
−20000
pull
Entries 54
Mean −150.8
Std Dev 0
pull1D
Entries 54
Mean −0.2394
Std Dev 0.5833

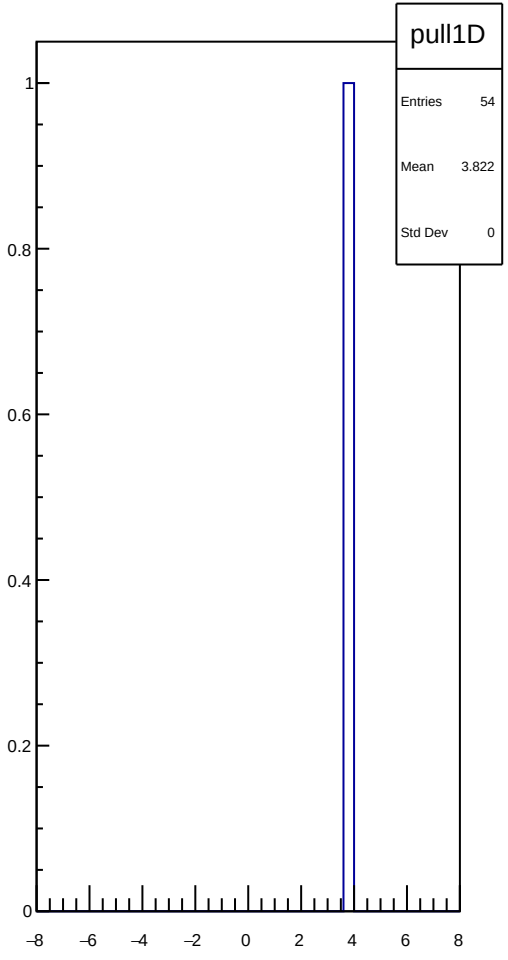

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs run
χ² / ndf 9.721e+04 / 53
p0 278.3 ± 0.2837
1400
1200
1000
800
600
400
200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

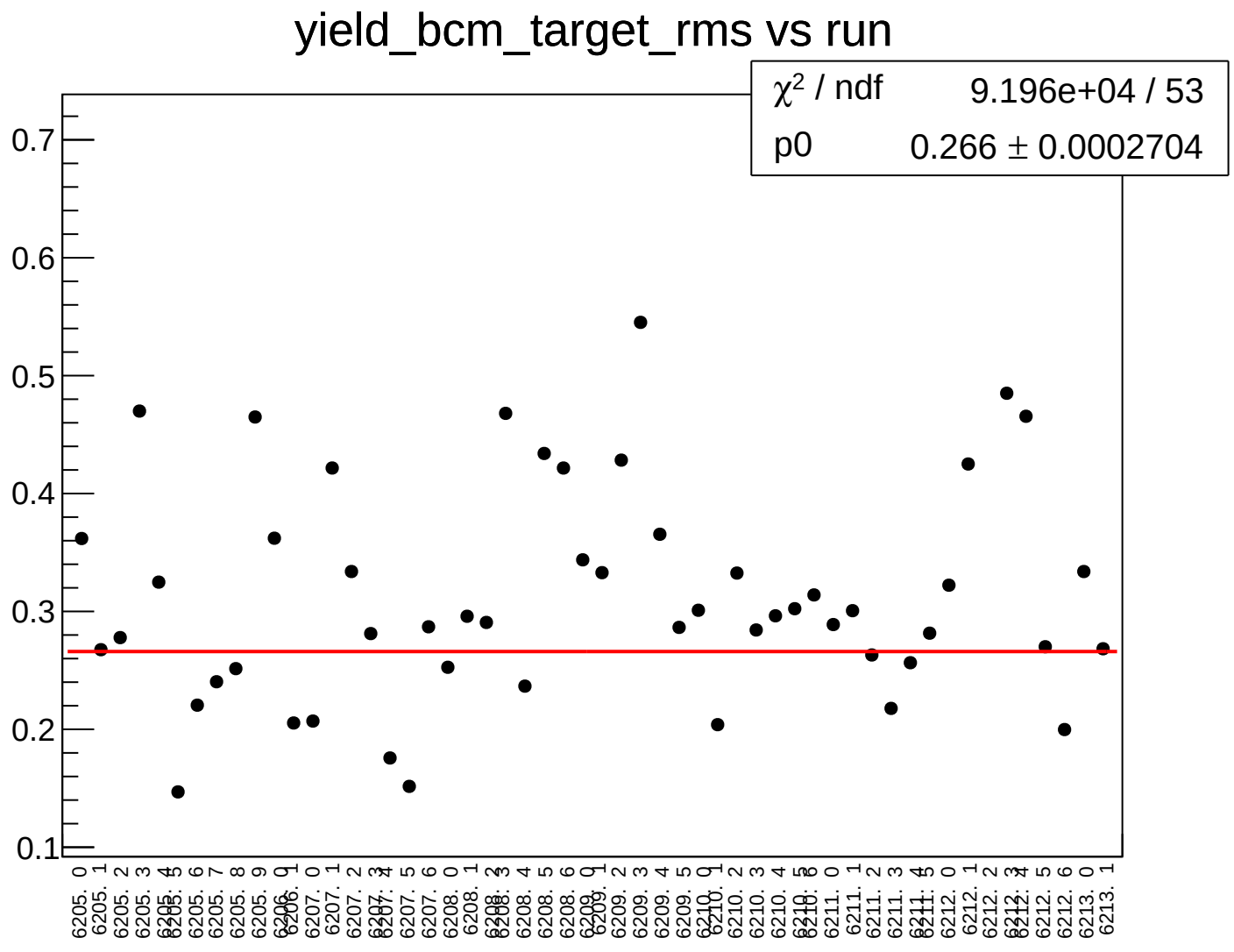

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 53.02 / 53
p0 −30.48 ± 41.33
1000
500
0
−500
−1000
pull
Entries 54
Mean 248.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

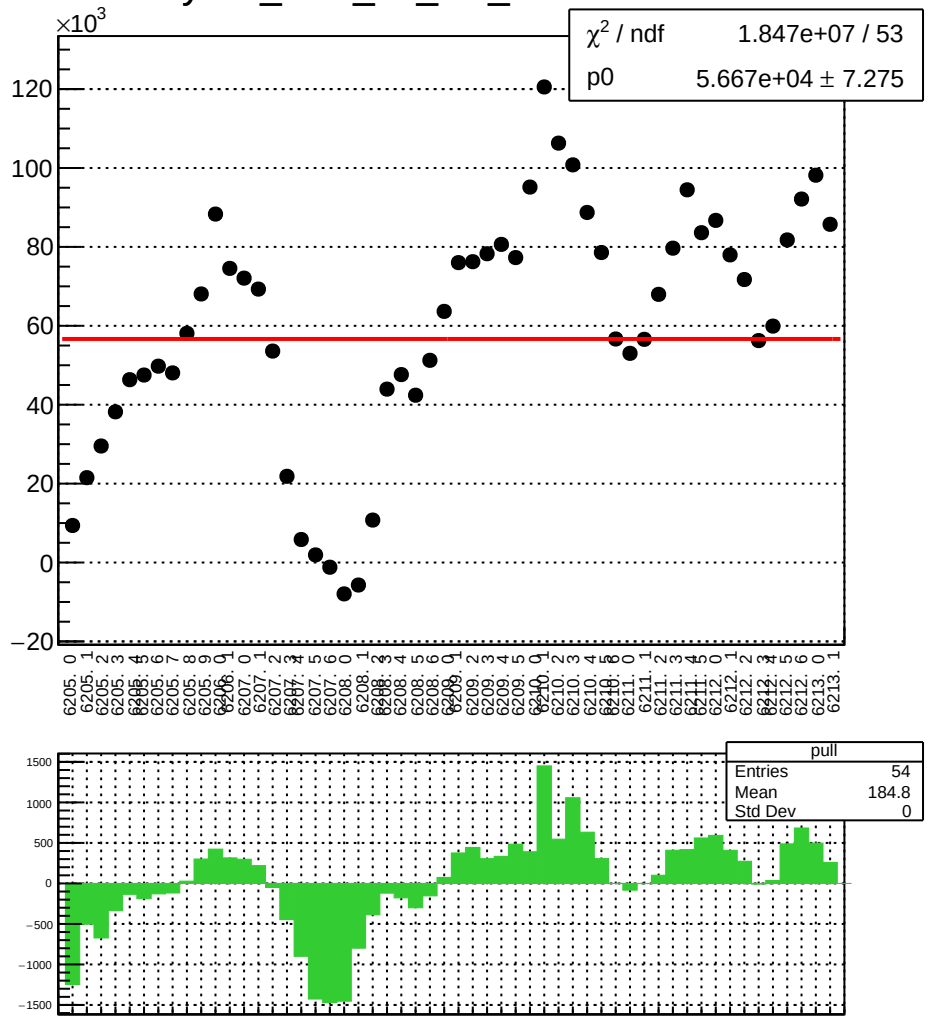

pull1D
Entries 54
Mean 0.004848
Std Dev 0.9909
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

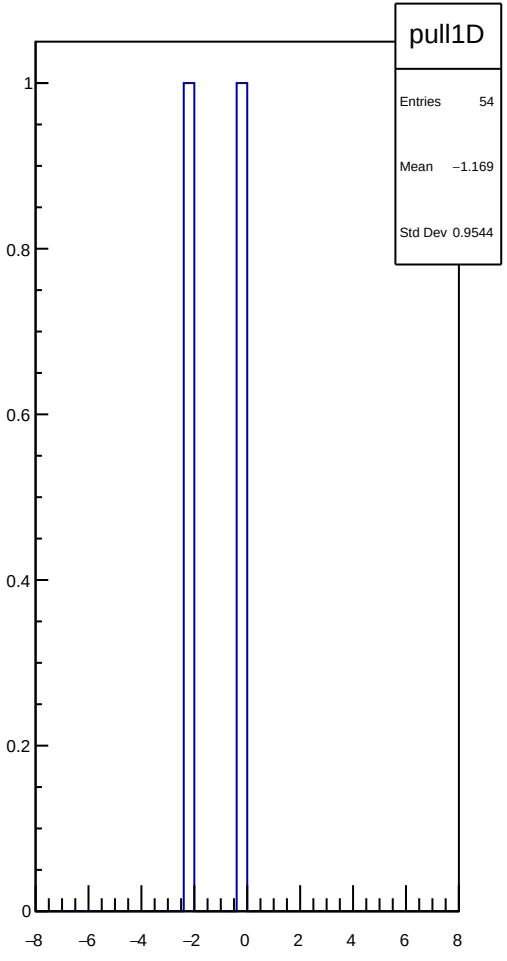

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 1980 / 53
p0 30.05 ± 0.02922
33
32
31
30
29
28
27
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

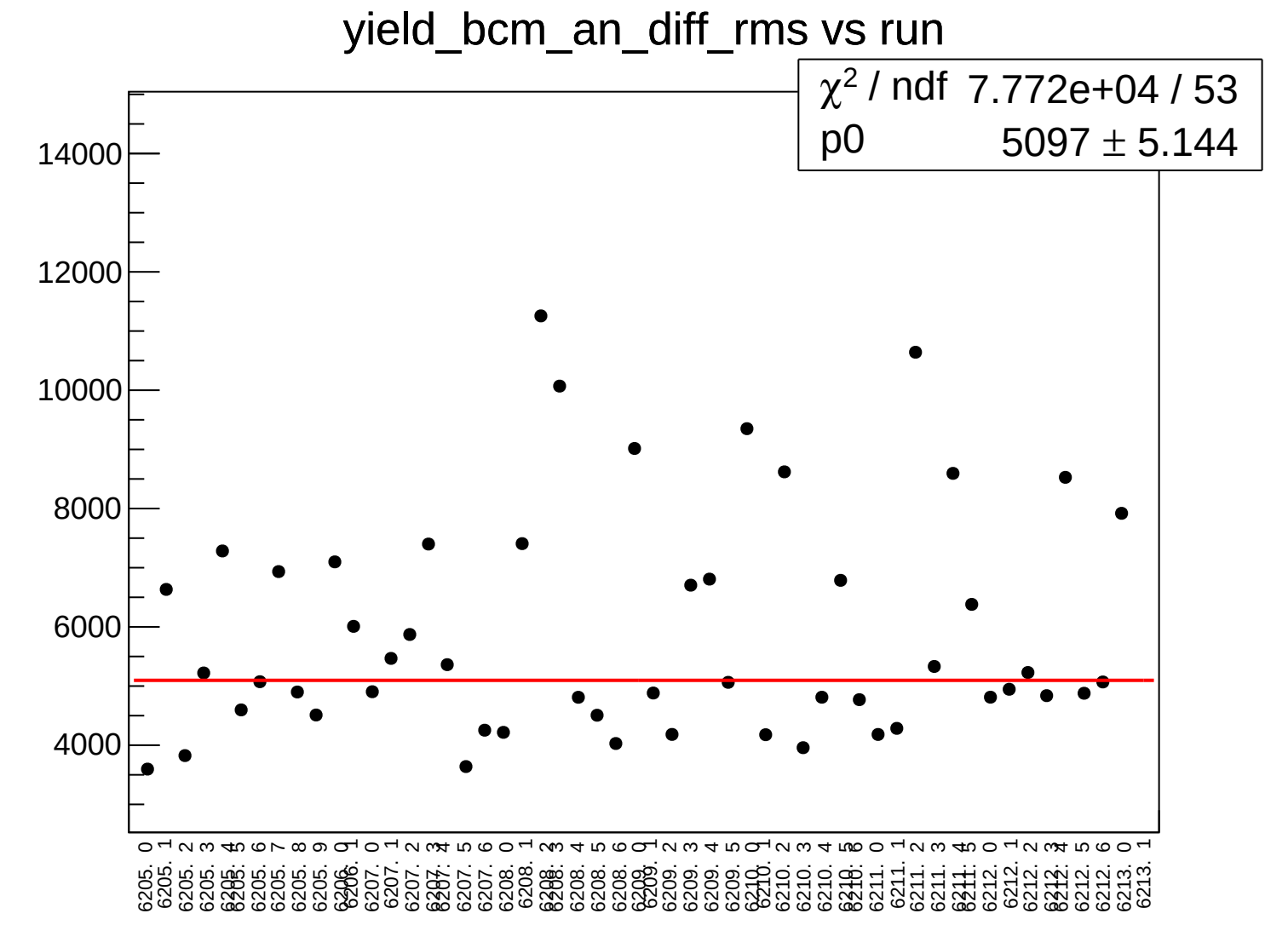

yield_bcm_target_mean vs run
χ² / ndf 6.517e+05 / 53
p0 134.6 ± 0.0003824
135.2
135
134.8
134.6
134.4
134.2
134
133.8
pull
Entries 54
Mean 167.7
Std Dev 0
100
0
−100
−200
−300
−400

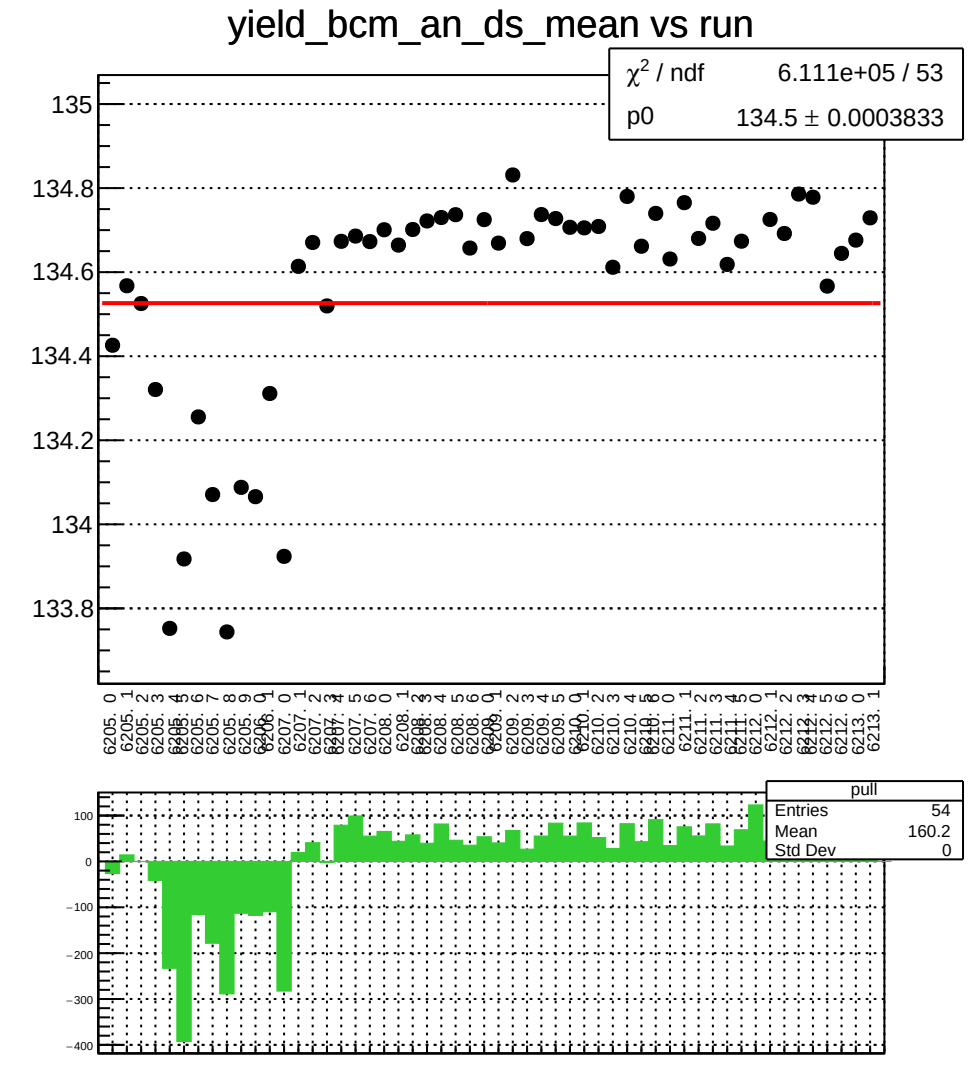

pull1D
Entries 54
Mean 3.822
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

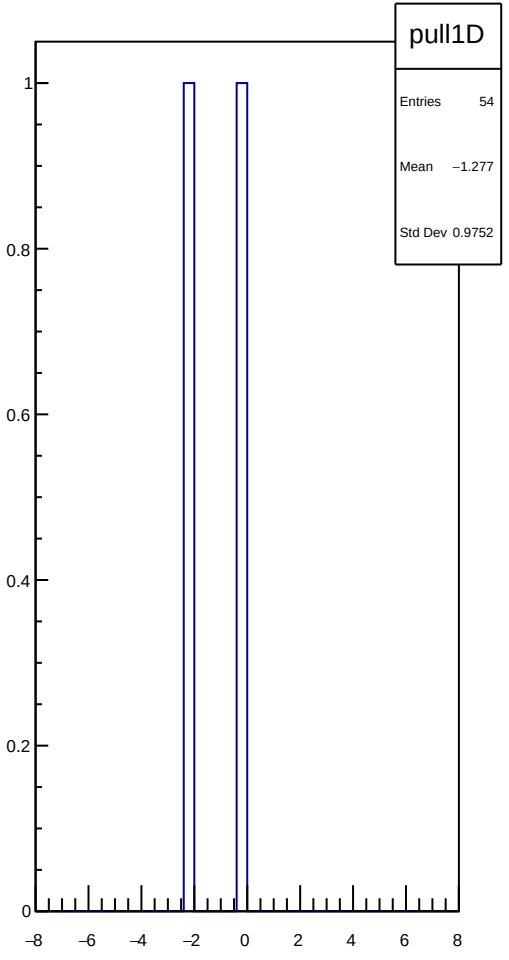

yield_bcm_target_rms vs run
χ² / ndf 9.196e+04 / 53
p0 0.266 ± 0.0002704
0.7
0.6
0.5
0.4
0.3
0.2
0.1
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

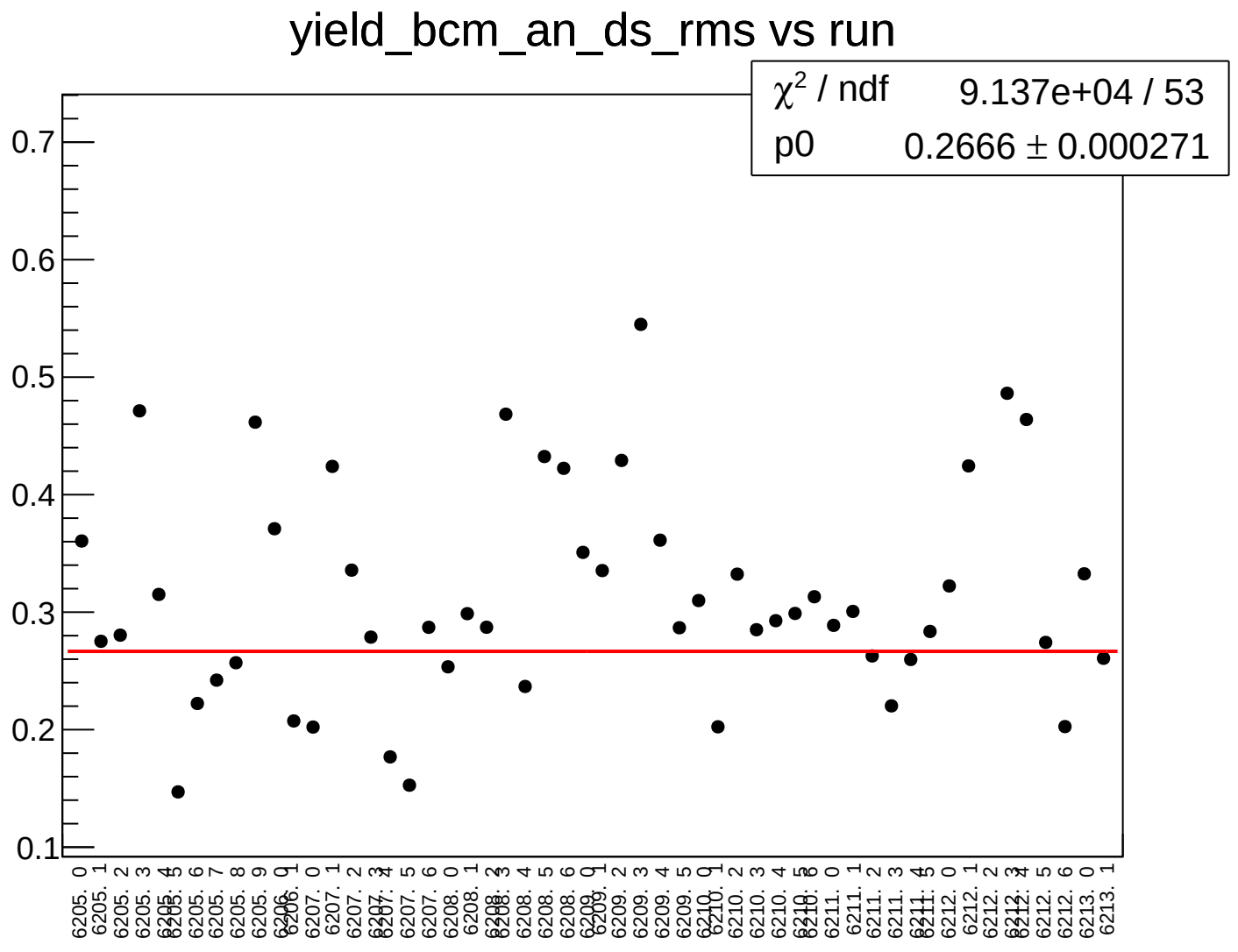

yield_bcm_an_diff_mean vs run
×10^3
χ² / ndf 1.847e+07 / 53
p0 5.667e+04 ± 7.275
pull
Entries 54
Mean 184.8
Std Dev 0

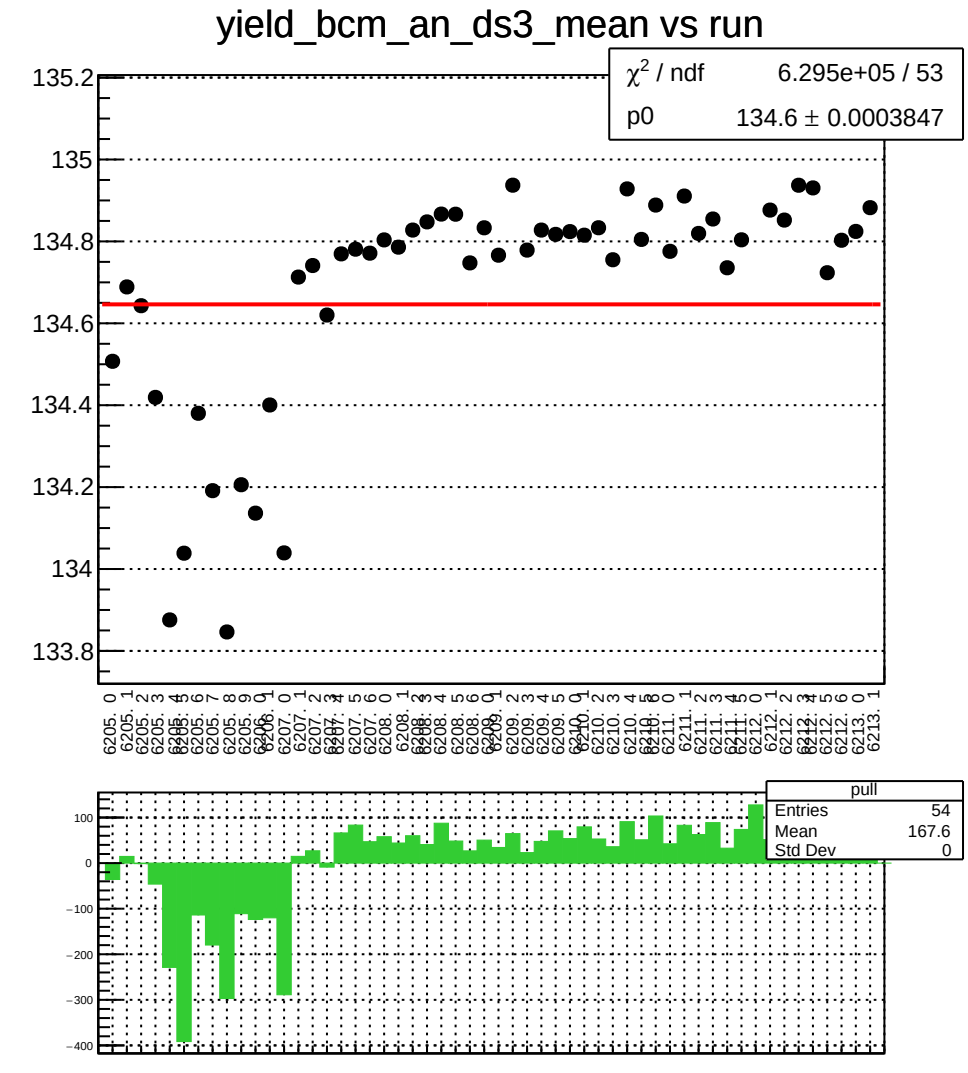

pull1D
Entries 54
Mean −1.169
Std Dev 0.9544

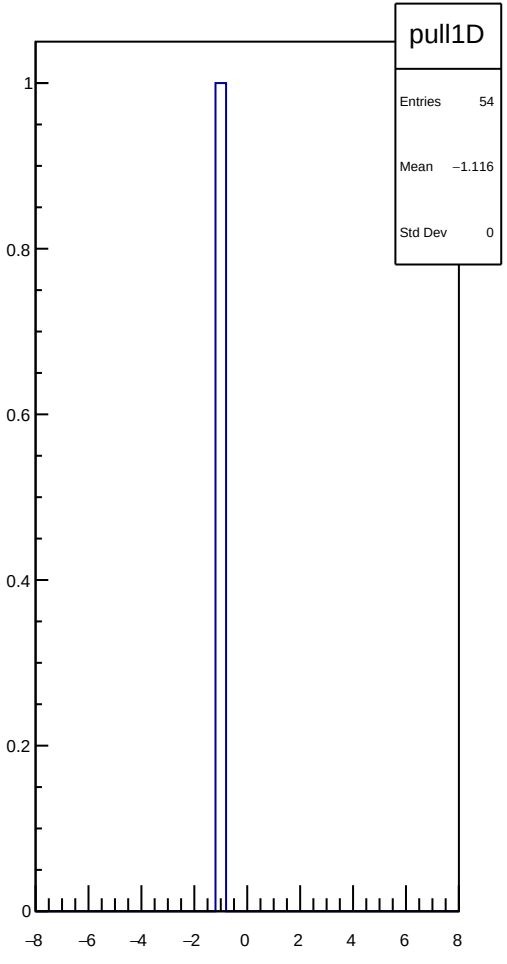

yield_bcm_an_diff_rms vs run
χ² / ndf 7.772e+04 / 53
p0 5097 ± 5.144
14000
12000
10000
8000
6000
4000
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

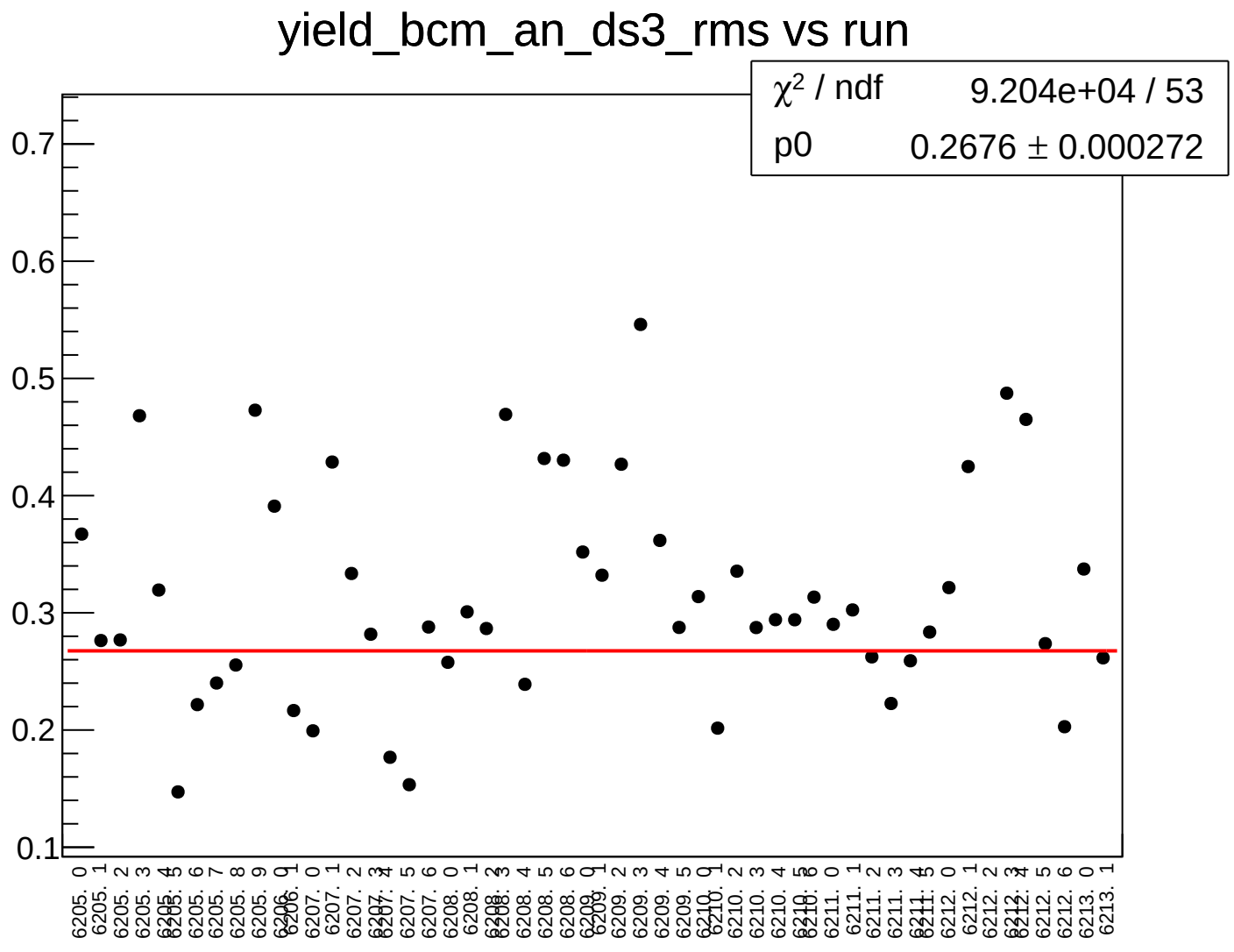

yield_bcm_an_ds_mean vs run
χ² / ndf 6.111e+05 / 53
p0 134.5 ± 0.0003833
135
134.8
134.6
134.4
134.2
134
133.8
pull
Entries 54
Mean 160.2
Std Dev 0
100
0
−100
−200
−300
−400

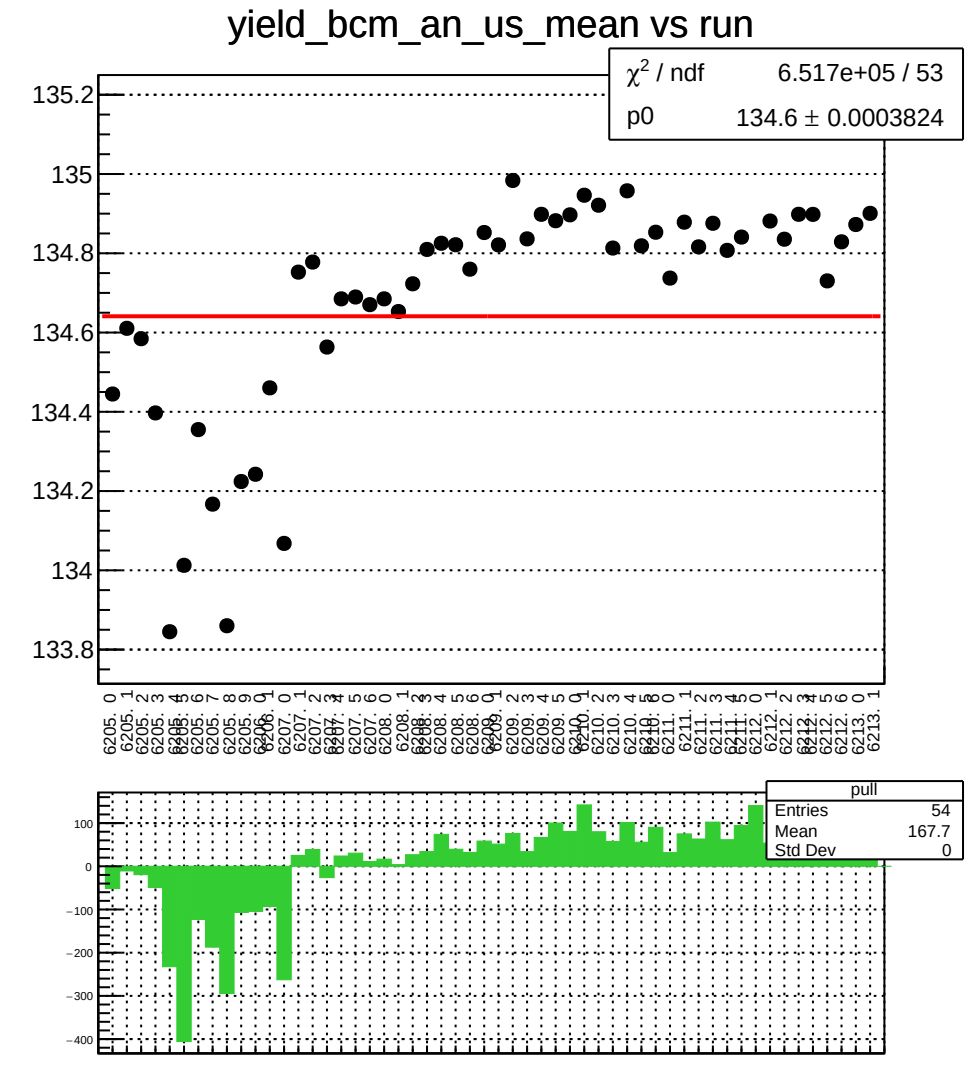

pull1D
Entries 54
Mean −1.277
Std Dev 0.9752
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

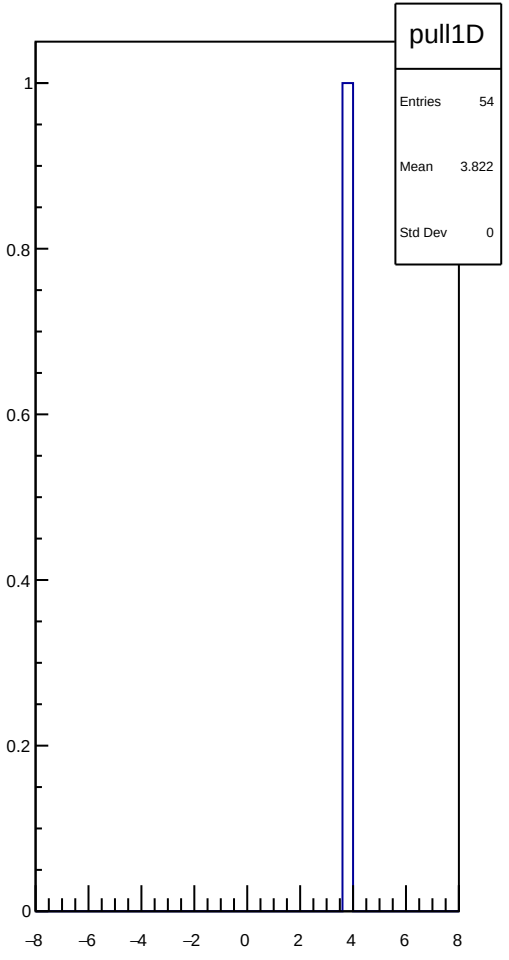

yield_bcm_an_ds_rms vs run
χ^2 / ndf 9.137e+04 / 53
p0 0.2666 ± 0.000271
0.7
0.6
0.5
0.4
0.3
0.2
0.1
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

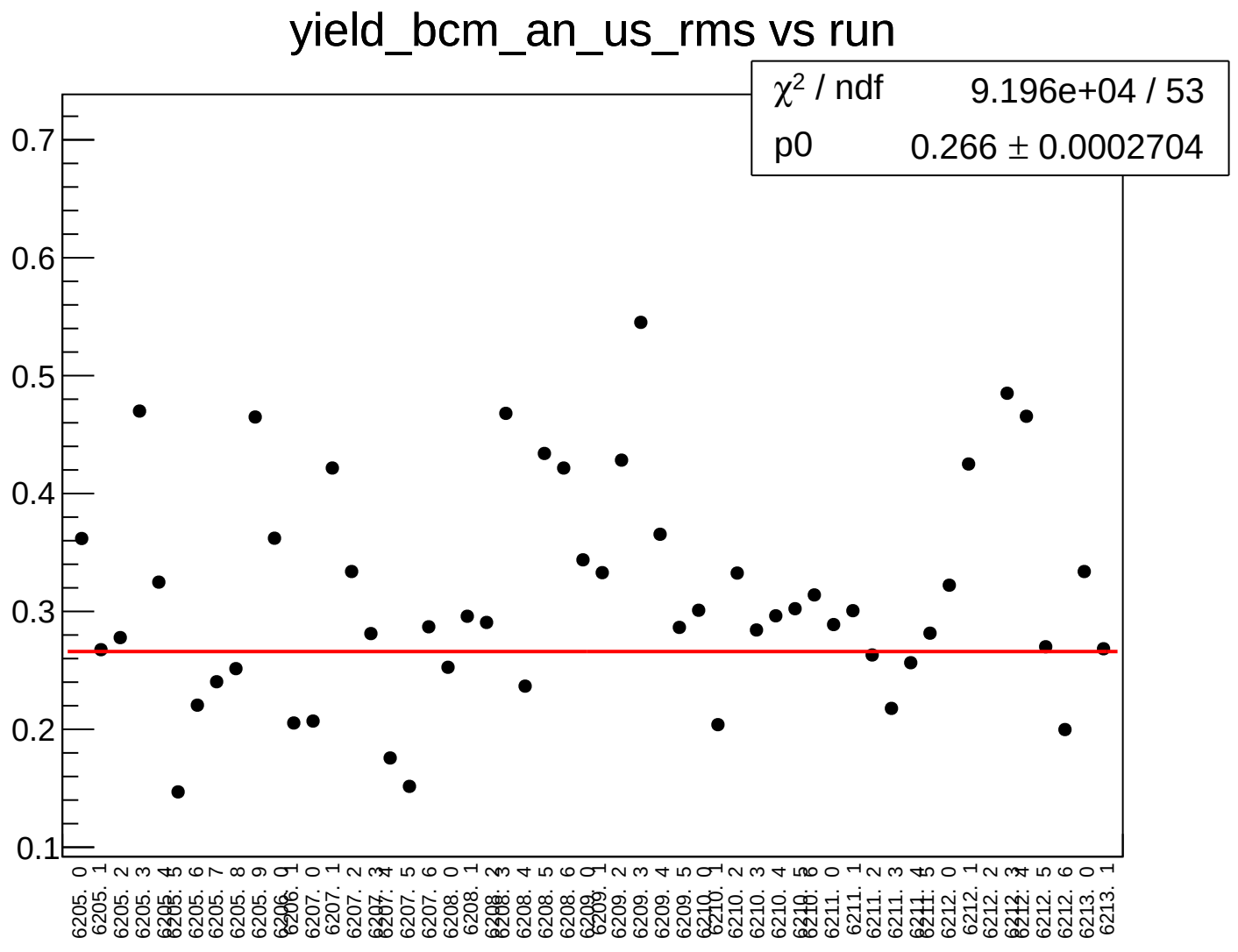

yield_bcm_an_ds3_mean vs run
χ² / ndf 6.295e+05 / 53
p0 134.6 ± 0.0003847
135.2
135
134.8
134.6
134.4
134.2
134
133.8
pull
Entries 54
Mean 167.6
Std Dev 0
100
0
−100
−200
−300
−400

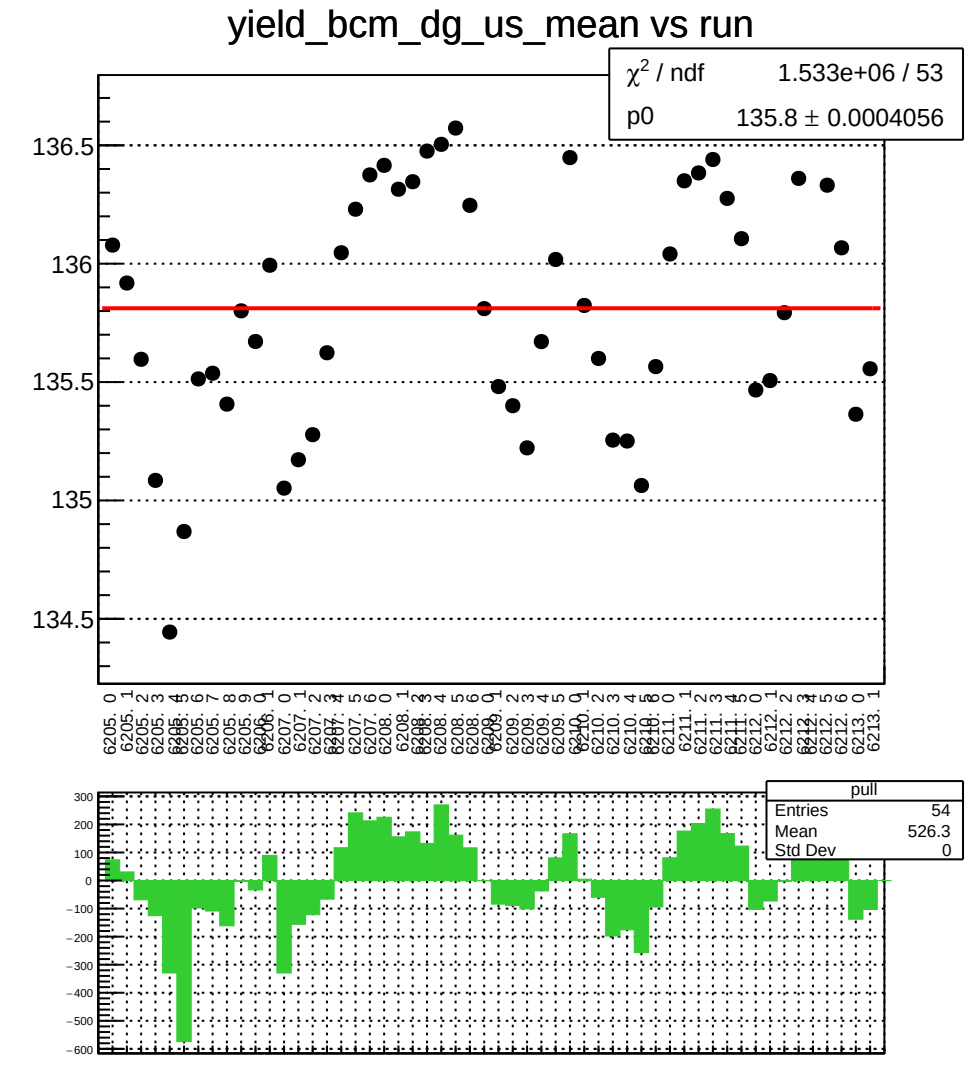

pull1D
Entries 54
Mean −1.116
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

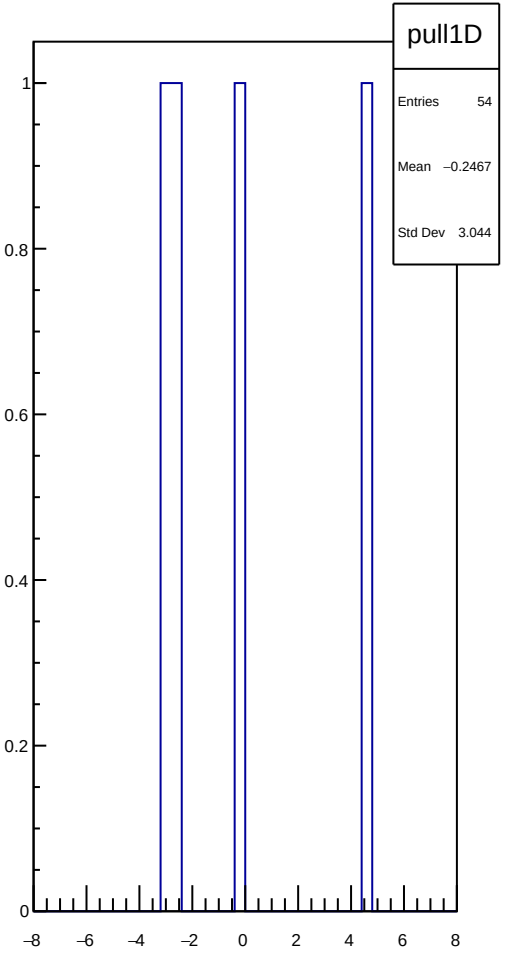

yield_bcm_an_ds3_rms vs run
χ² / ndf 9.204e+04 / 53
p0 0.2676 ± 0.000272
0.7
0.6
0.5
0.4
0.3
0.2
0.1
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

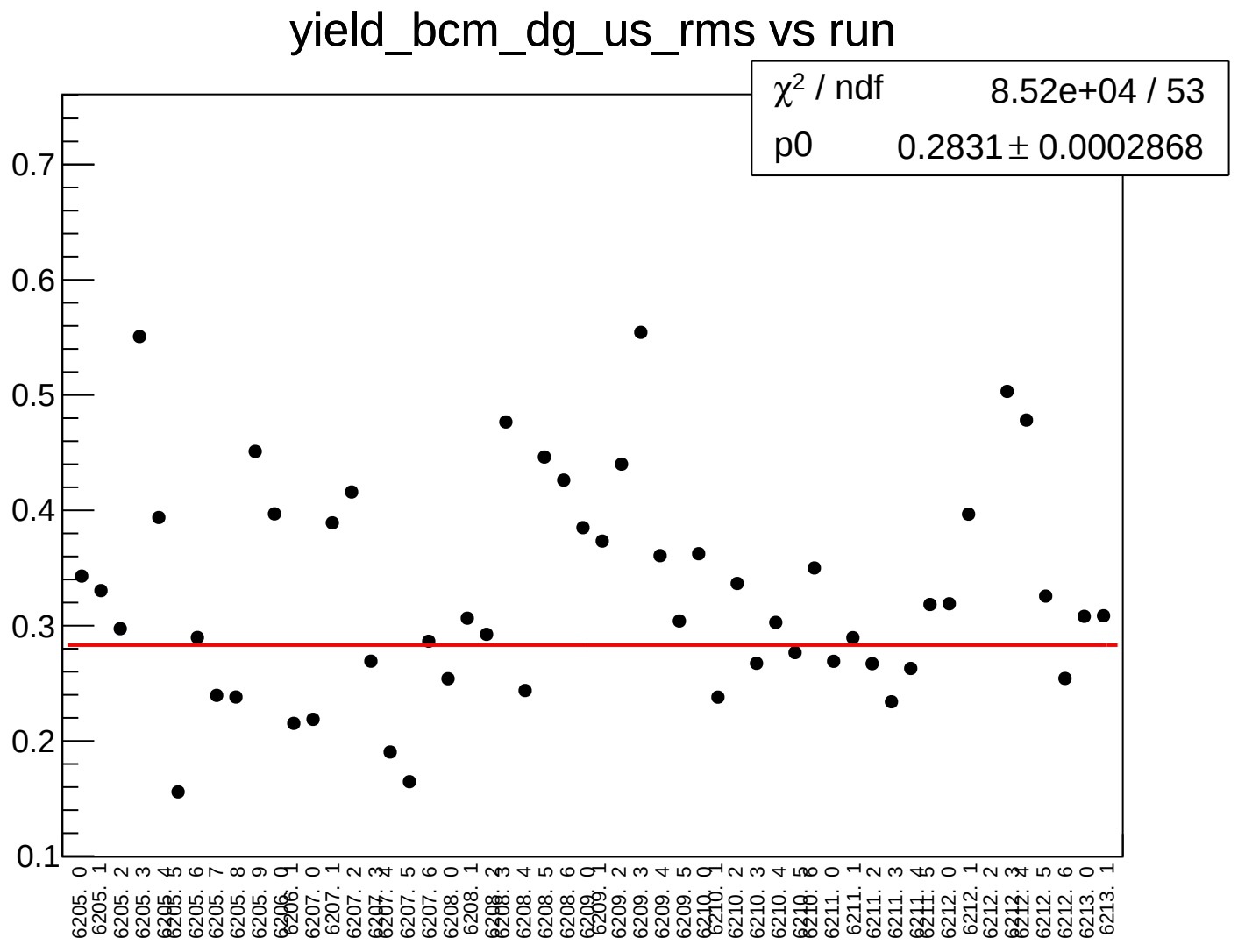

yield_bcm_an_us_mean vs run
χ² / ndf 6.517e+05 / 53
p0 134.6 ± 0.0003824
135.2
135
134.8
134.6
134.4
134.2
134
133.8
pull
Entries 54
Mean 167.7
Std Dev 0
100
0
−100
−200
−300
−400

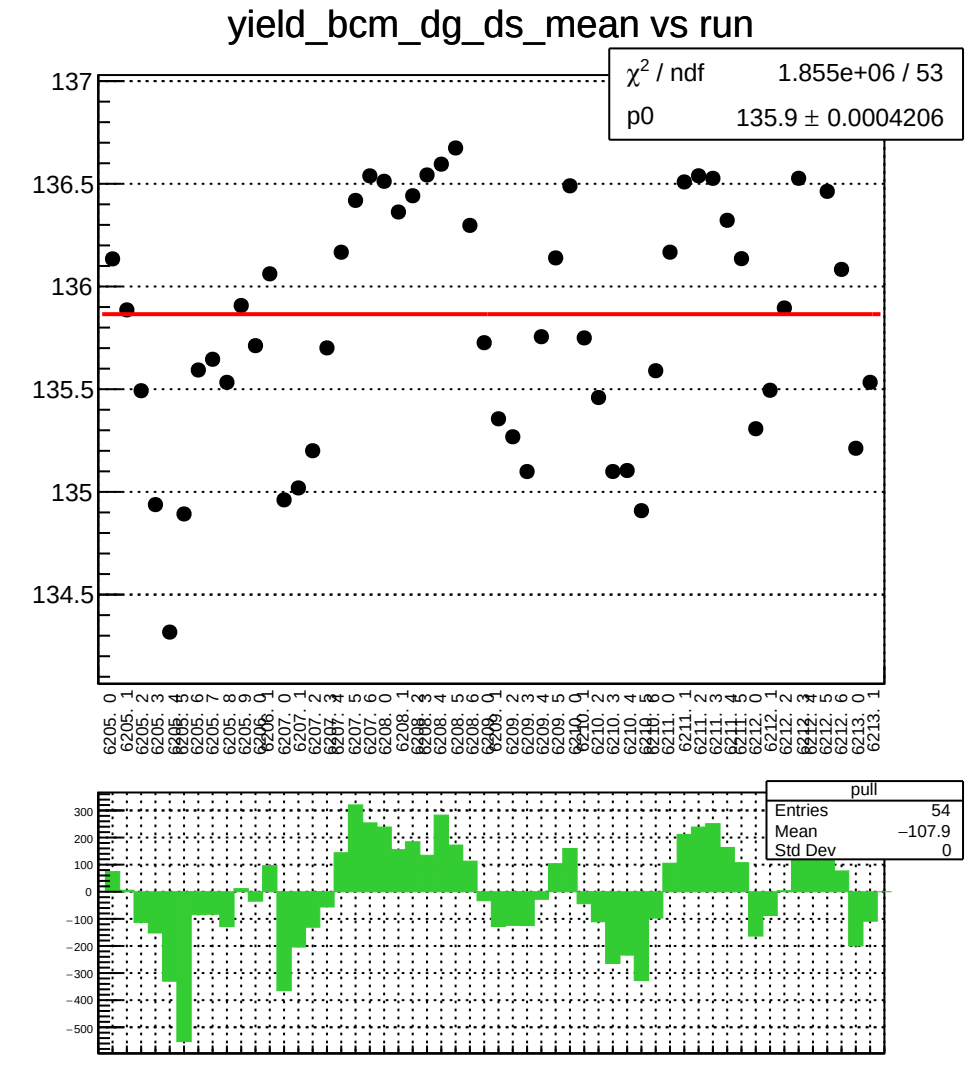

pull1D
Entries 54
Mean 3.822
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

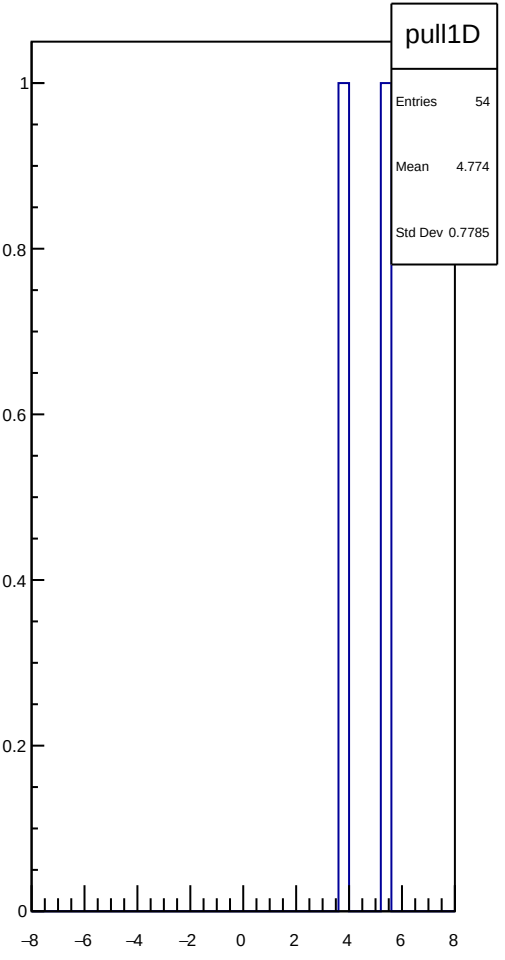

yield_bcm_an_us_rms vs run
χ² / ndf 9.196e+04 / 53
p0 0.266 ± 0.0002704
0.7
0.6
0.5
0.4
0.3
0.2
0.1
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

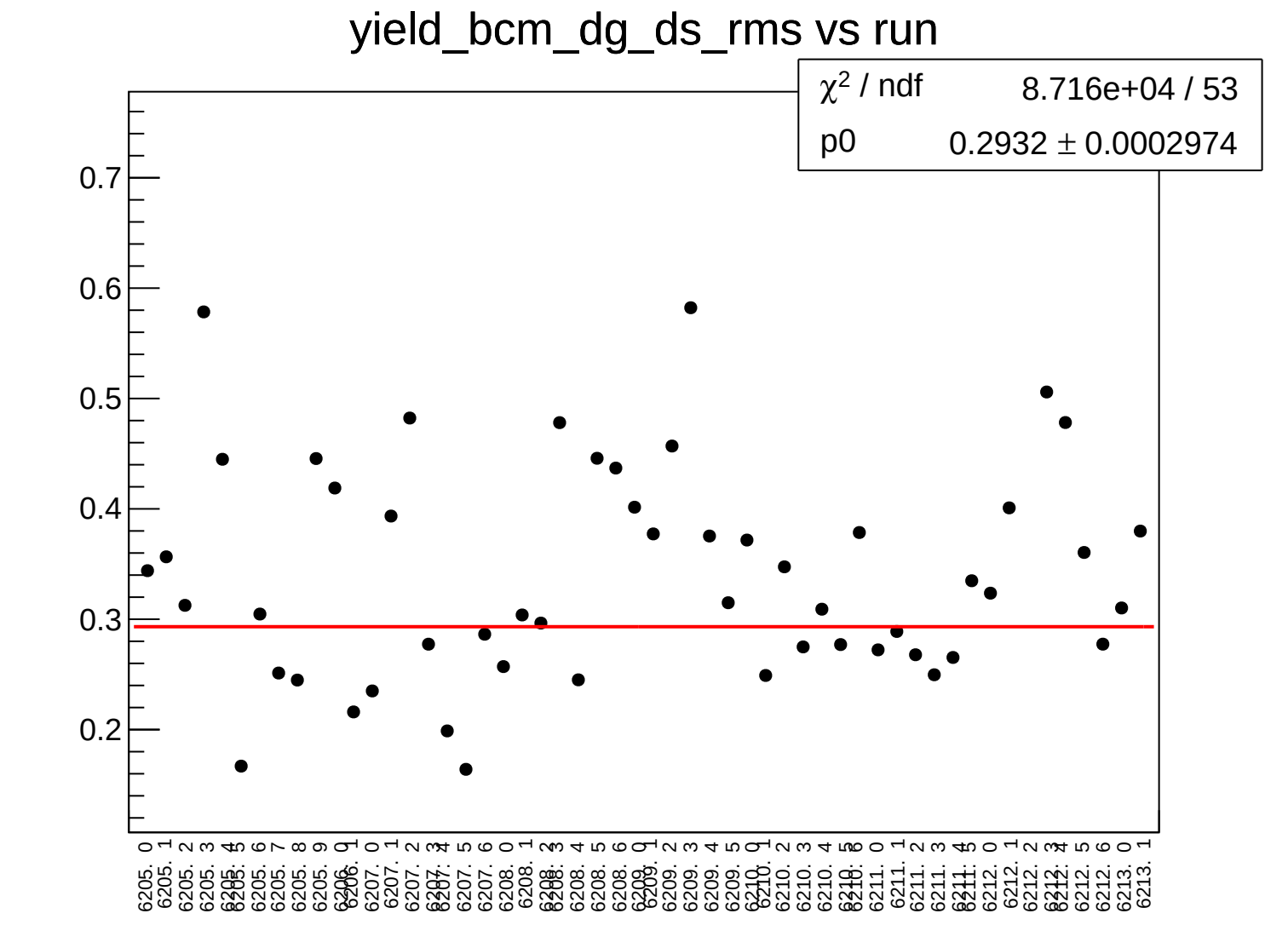

yield_bcm_dg_us_mean vs run
χ² / ndf 1.533e+06 / 53
p0 135.8 ± 0.0004056
136.5
136
135.5
135
134.5
pull
Entries 54
Mean 526.3
Std Dev 0
300
200
100
0
−100
−200
−300
−400
−500
−600

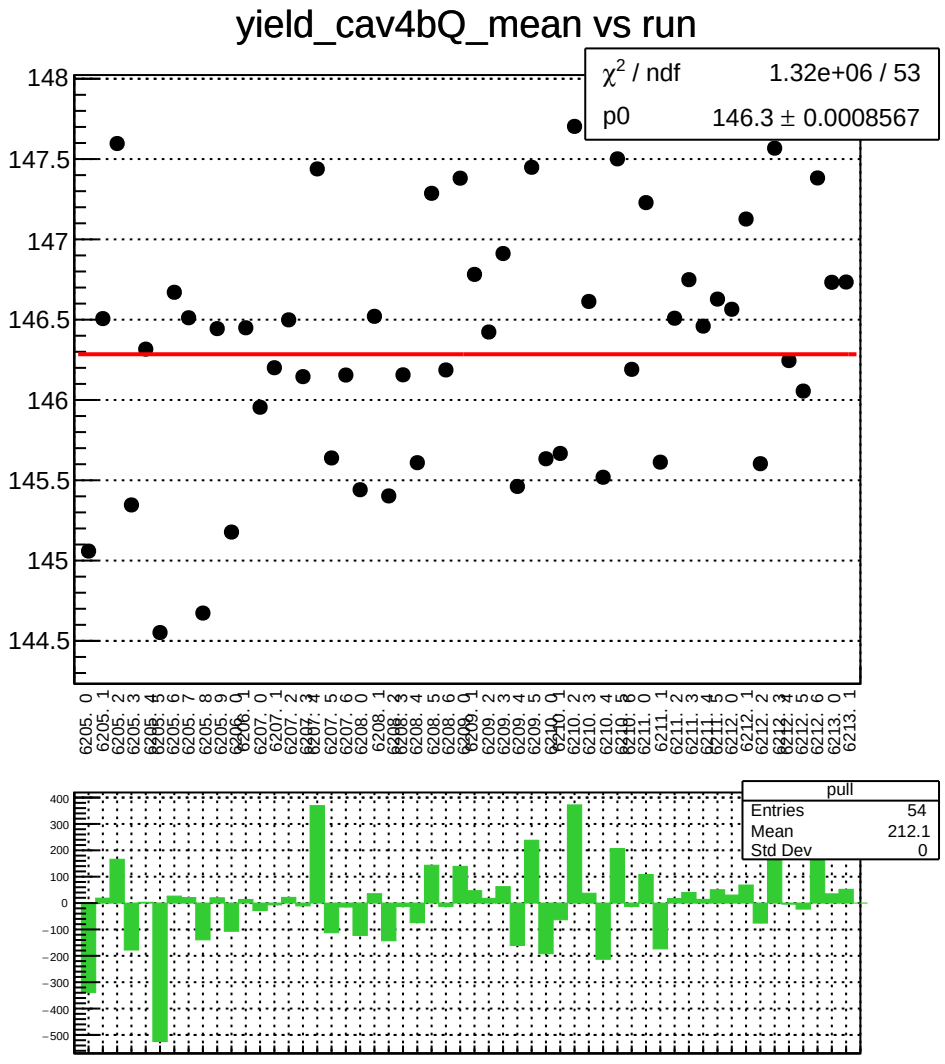

pull1D
Entries 54
Mean −0.2467
Std Dev 3.044
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

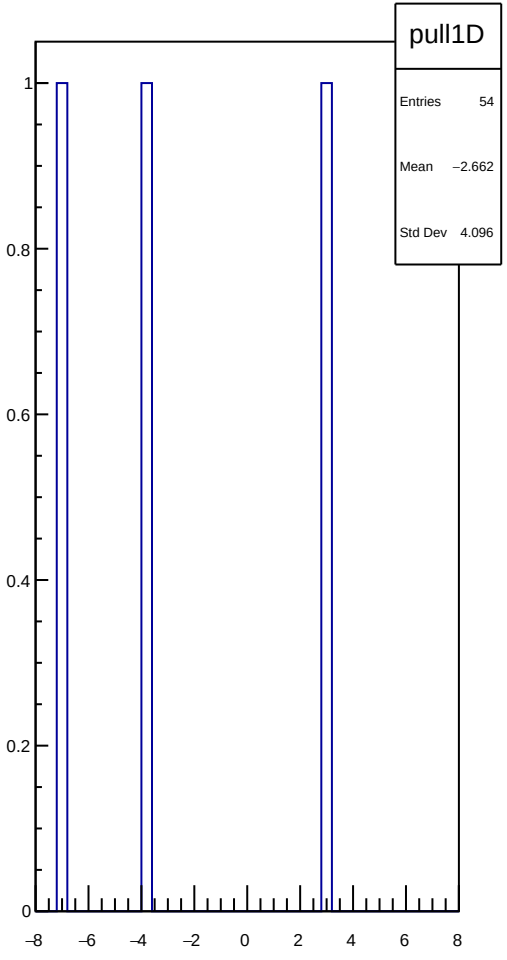

yield_bcm_dg_us_rms vs run
χ² / ndf 8.52e+04 / 53
p0 0.2831 ± 0.0002868
0.7
0.6
0.5
0.4
0.3
0.2
0.1

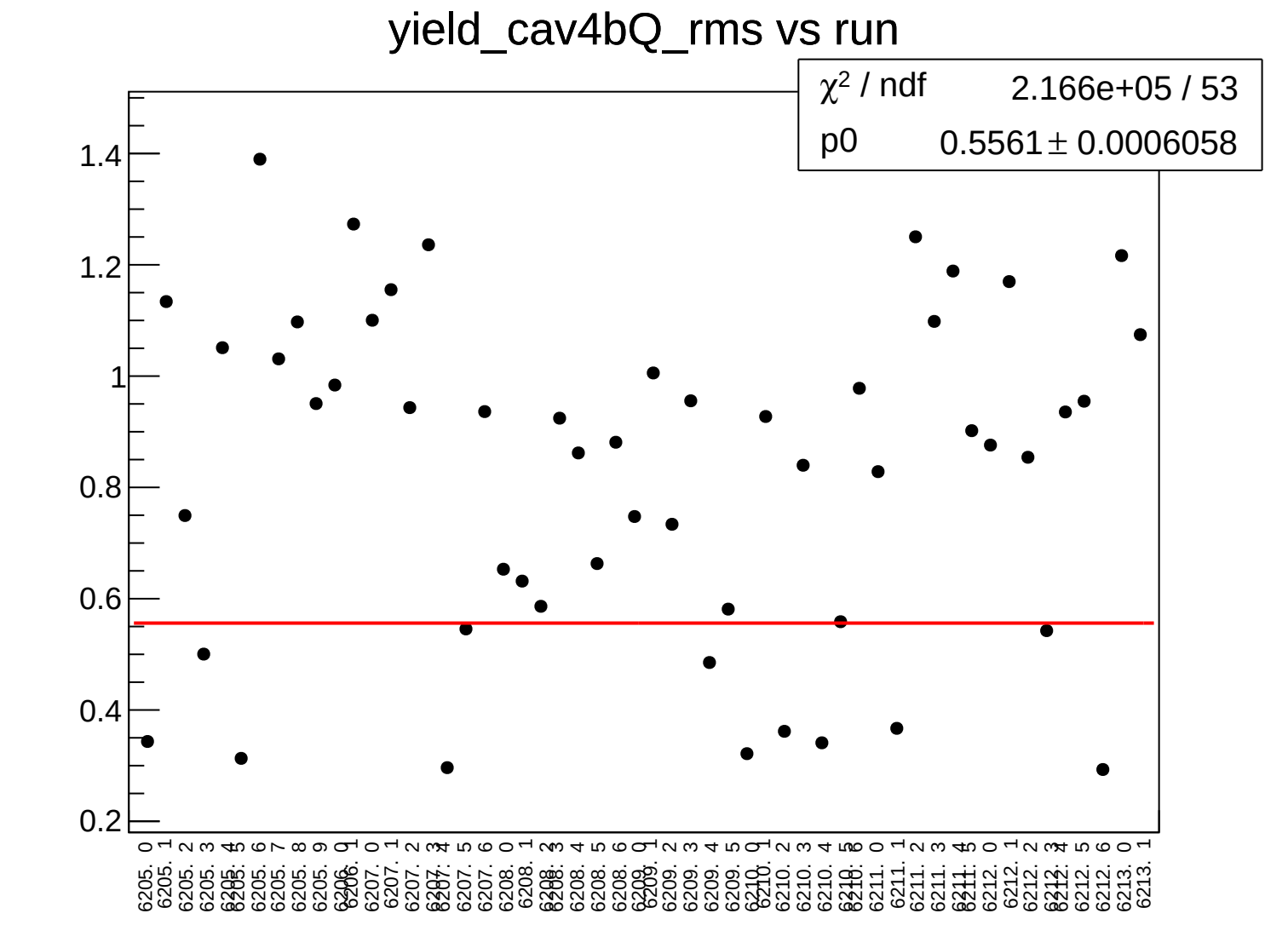

yield_bcm_dg_ds_mean vs run
χ² / ndf 1.855e+06 / 53
p0 135.9 ± 0.0004206
137
136.5
136
135.5
135
134.5
pull
Entries 54
Mean −107.9
Std Dev 0
300
200
100
0
−100
−200
−300
−400
−500

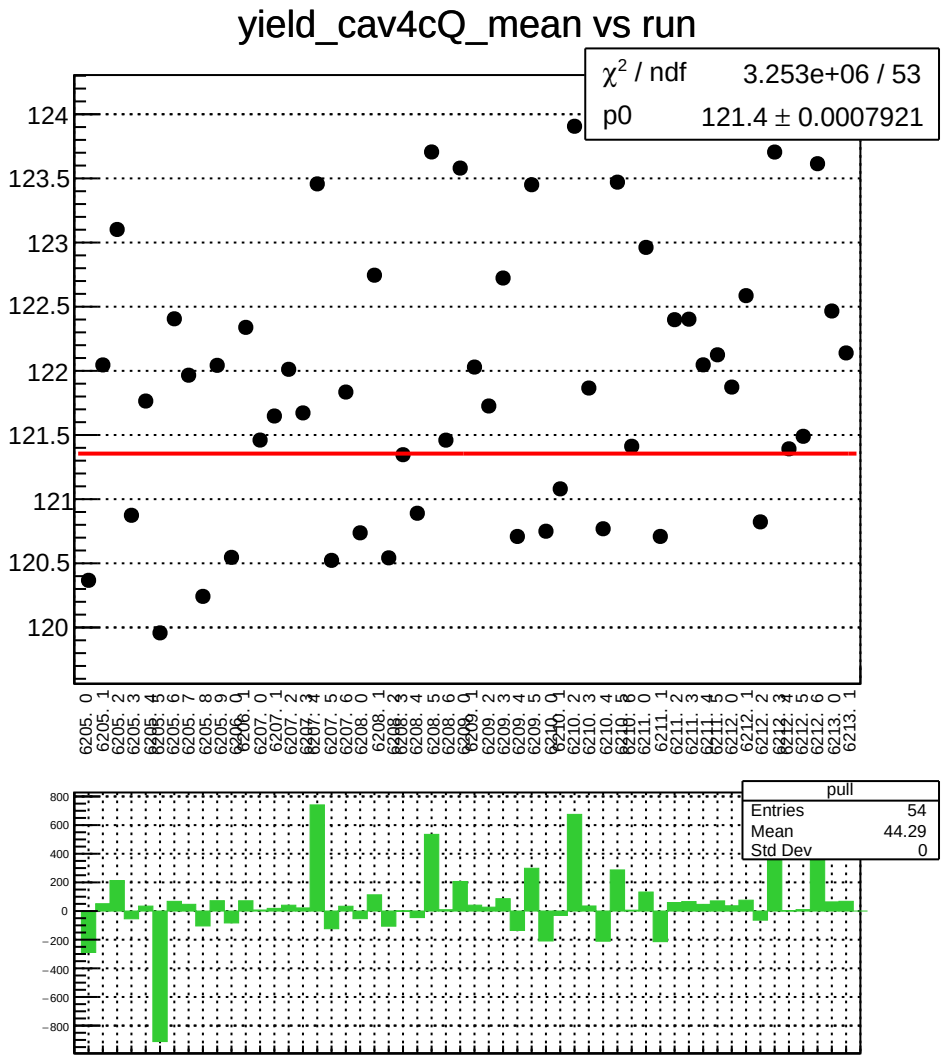

pull1D
Entries 54
Mean 4.774
Std Dev 0.7785
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

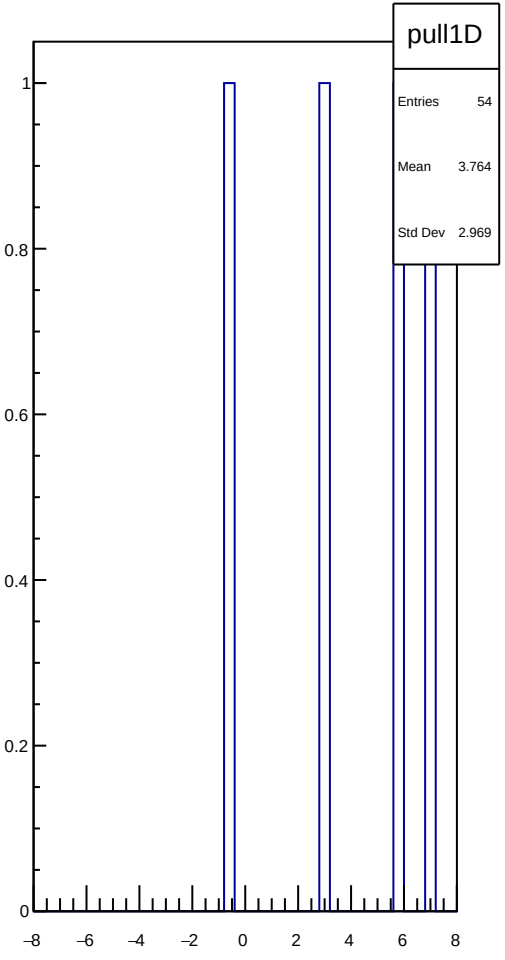

yield_bcm_dg_ds_rms vs run
χ² / ndf 8.716e+04 / 53
p0 0.2932 ± 0.0002974
0.7
0.6
0.5
0.4
0.3
0.2

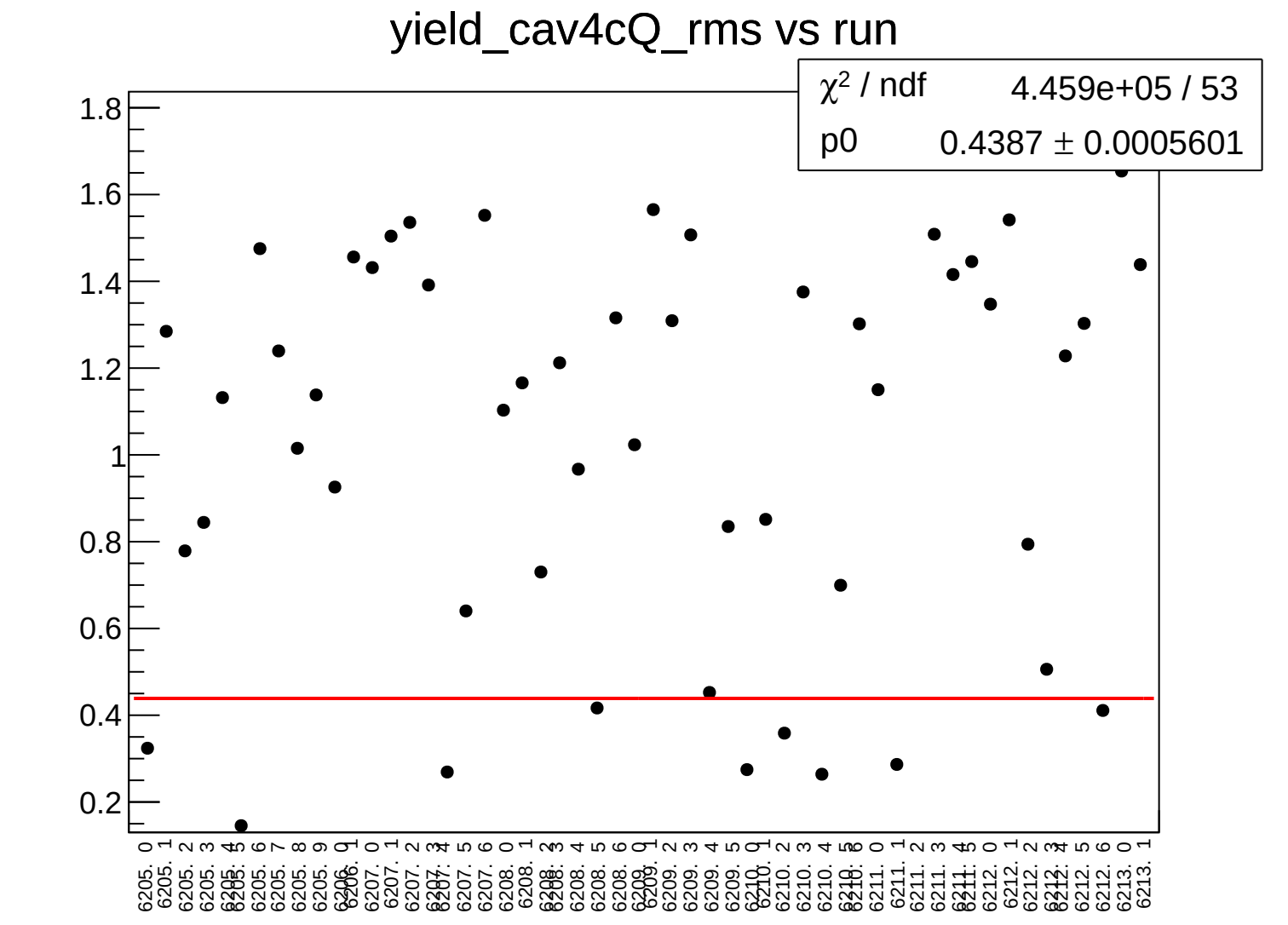

yield_cav4bQ_mean vs run
χ² / ndf 1.32e+06 / 53
p0 146.3 ± 0.0008567
148
147.5
147
146.5
146
145.5
145
144.5
pull
Entries 54
Mean 212.1
Std Dev 0
400
300
200
100
0
−100
−200
−300
−400
−500

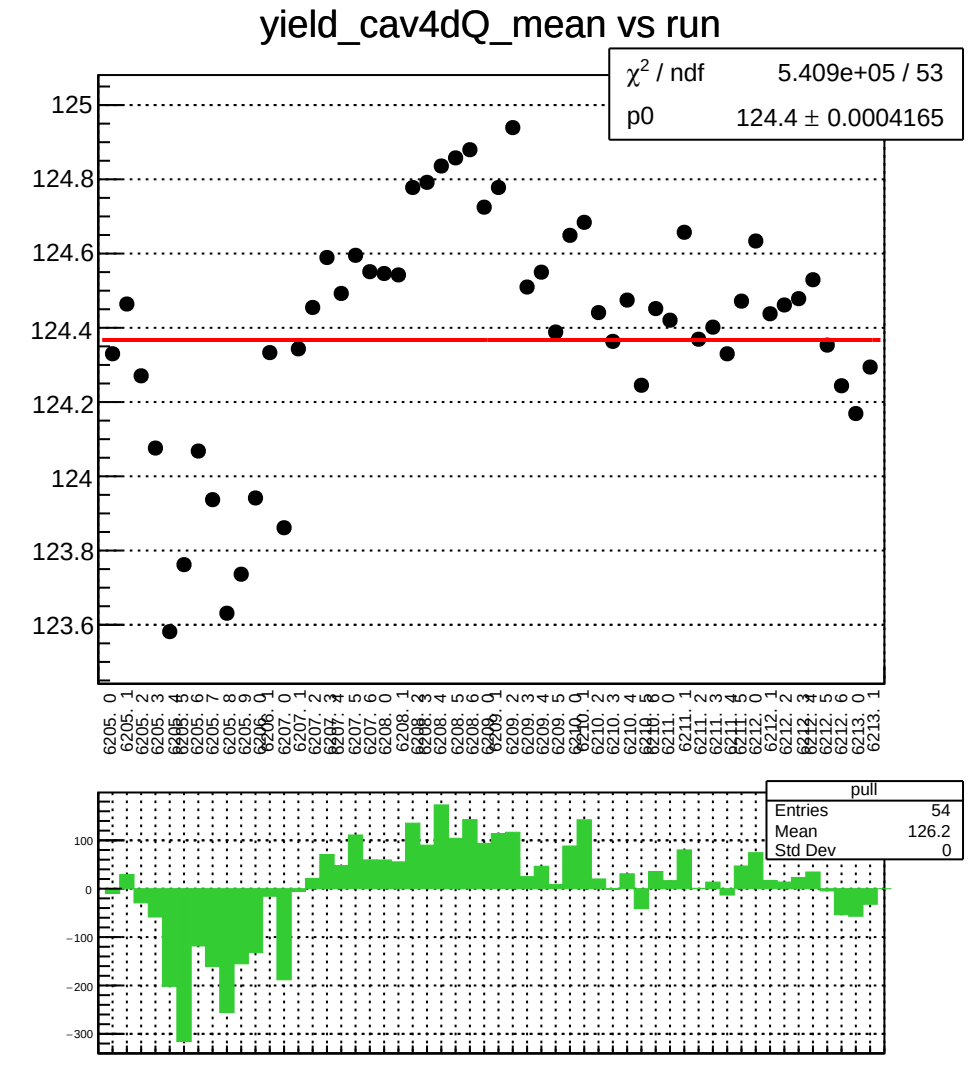

pull1D
Entries 54
Mean −2.662
Std Dev 4.096
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

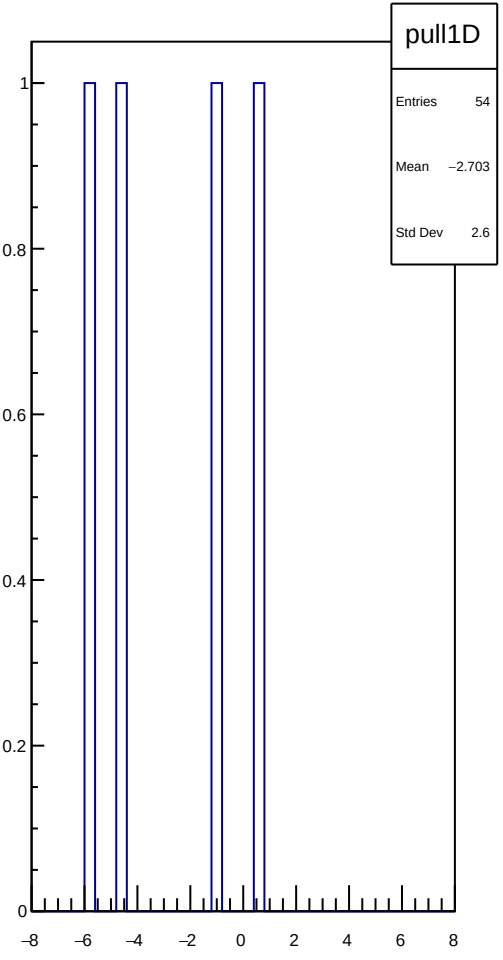

yield_cav4bQ_rms vs run
χ² / ndf 2.166e+05 / 53
p0 0.5561 ± 0.0006058
1.4
1.2
1
0.8
0.6
0.4
0.2
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

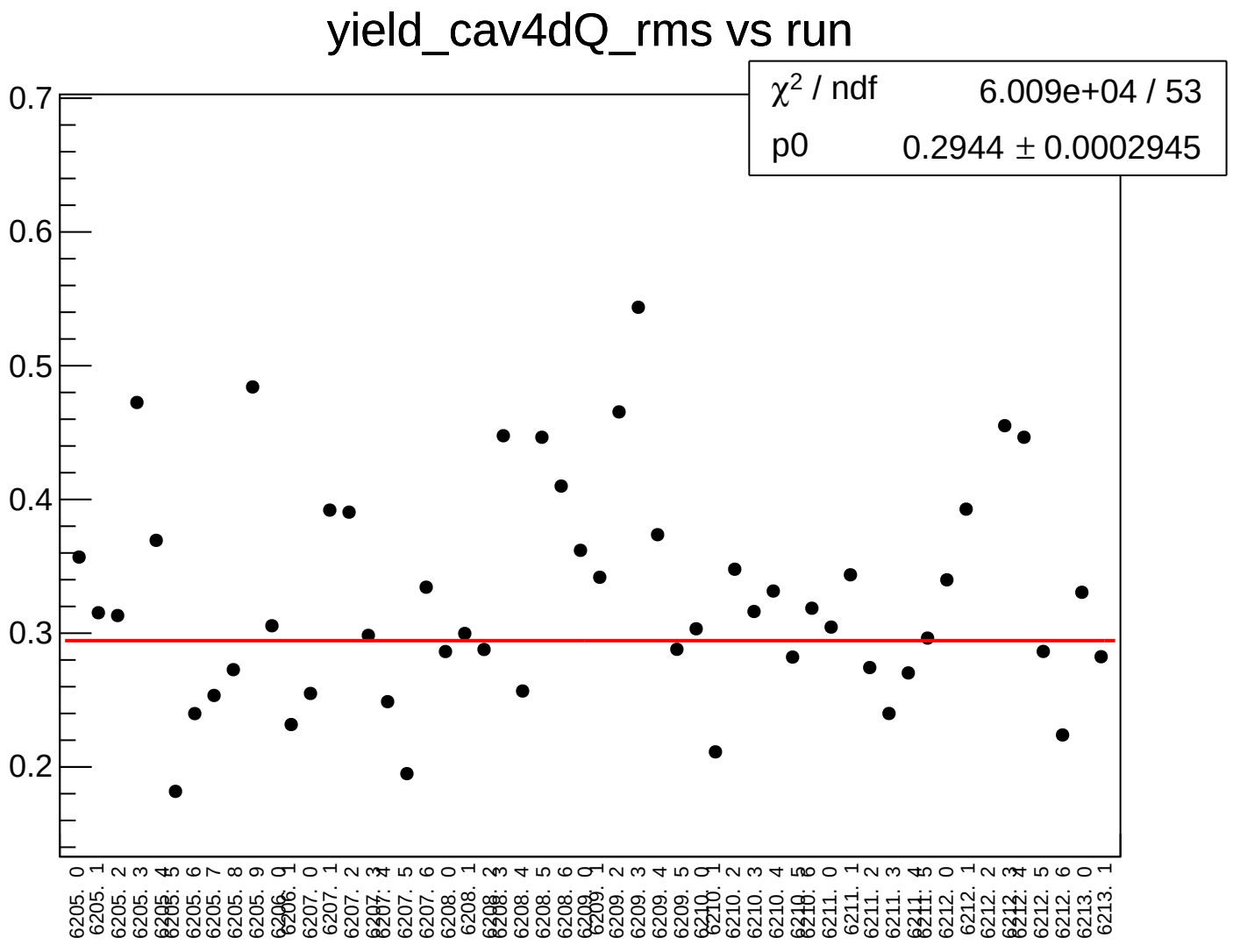

yield_cav4cQ_mean vs run
χ^2 / ndf 3.253e+06 / 53
p0 121.4 ± 0.0007921
124
123.5
123
122.5
122
121.5
121
120.5
120
pull
Entries 54
Mean 44.29
Std Dev 0
800
600
400
200
0
−200
−400
−600
−800

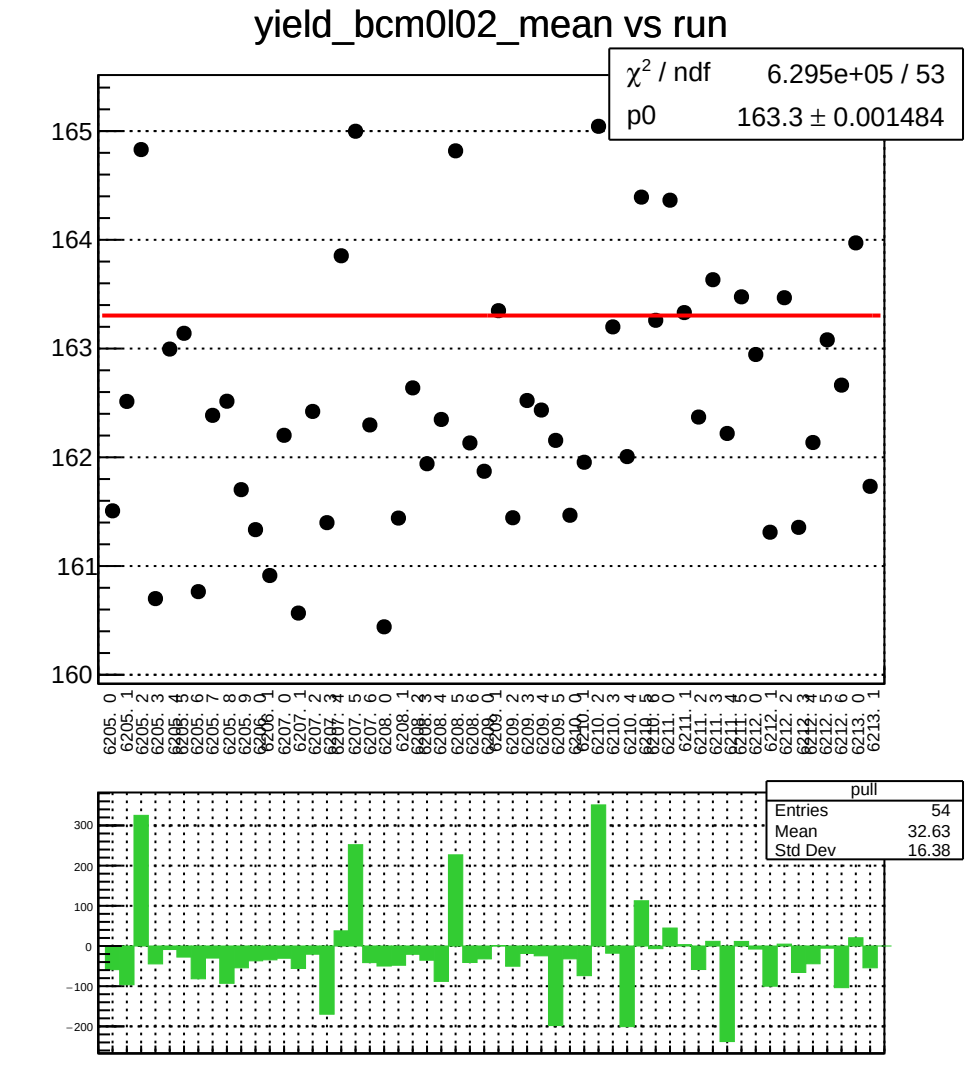

pull1D
Entries 54
Mean 3.764
Std Dev 2.969
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

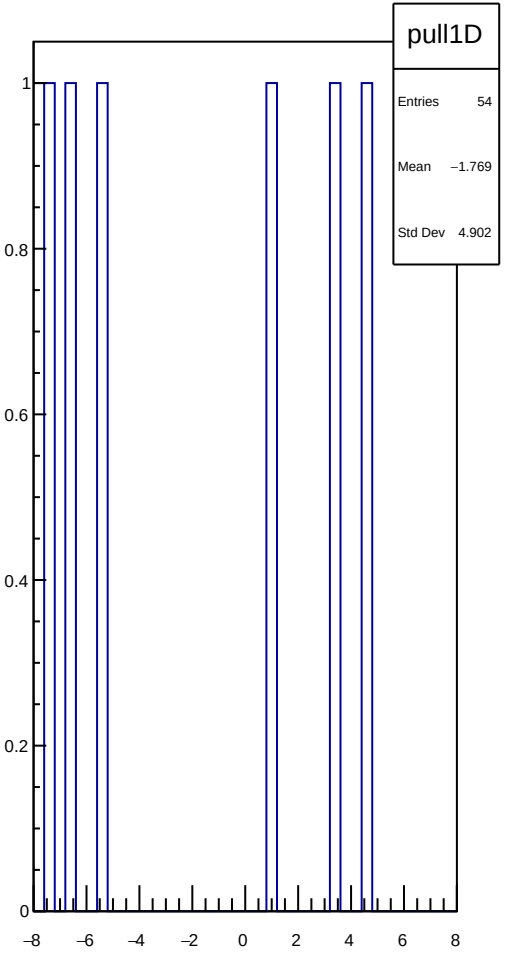

yield_cav4cQ_rms vs run
χ² / ndf 4.459e+05 / 53
p0 0.4387 ± 0.0005601
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

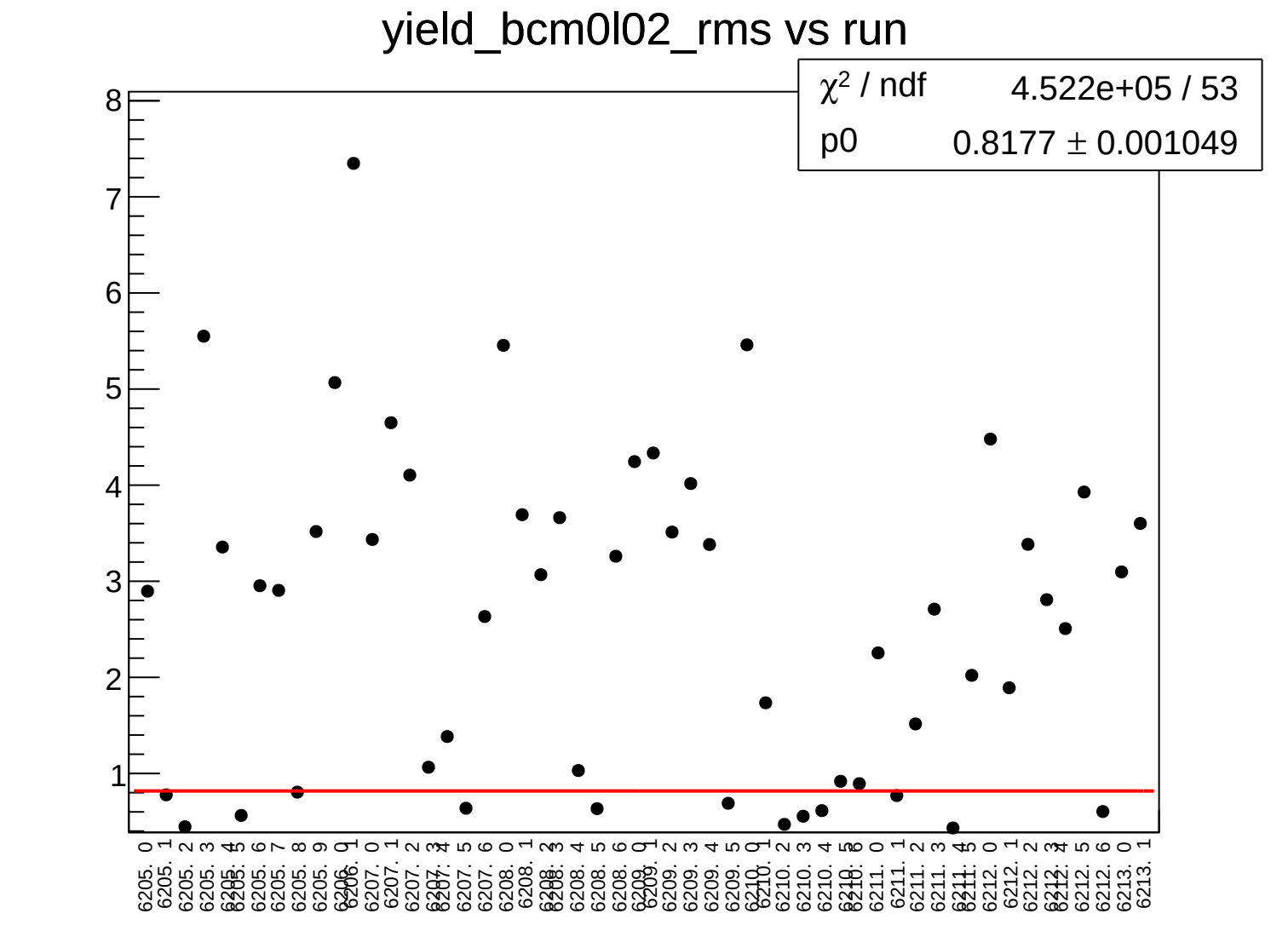

yield_cav4dQ_mean vs run
χ² / ndf 5.409e+05 / 53
p0 124.4 ± 0.0004165
125
124.8
124.6
124.4
124.2
124
123.8
123.6
pull
Entries 54
Mean 126.2
Std Dev 0
100
0
−100
−200
−300

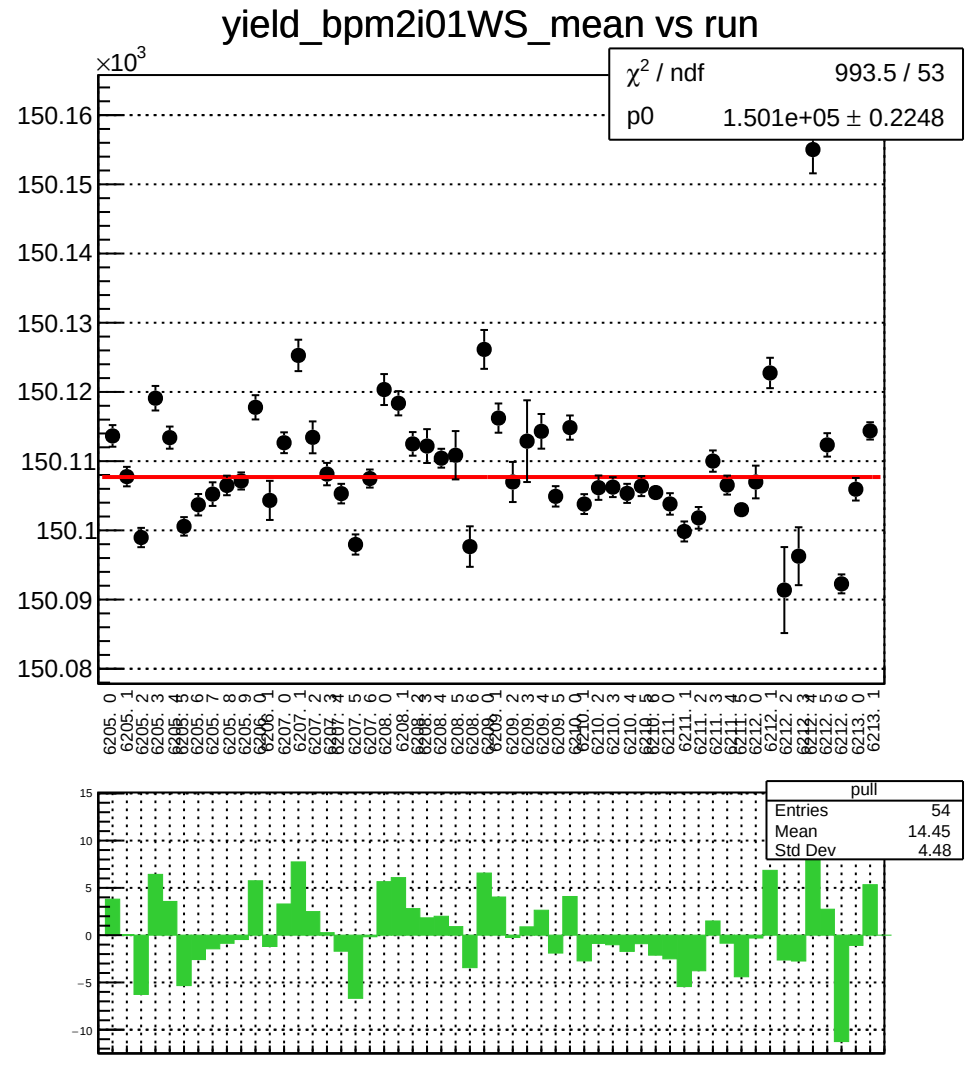

pull1D
Entries 54
Mean −2.703
Std Dev 2.6
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

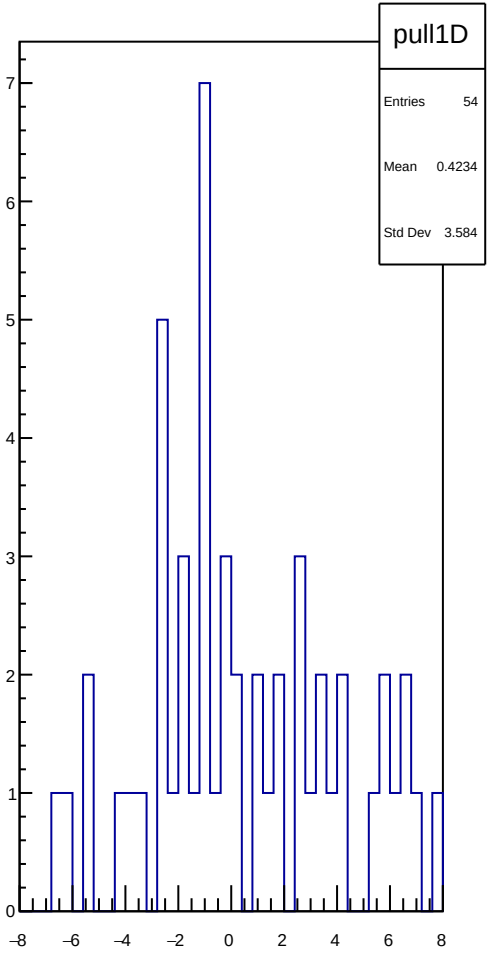

yield_cav4dQ_rms vs run
χ² / ndf 6.009e+04 / 53
p0 0.2944 ± 0.0002945
0.7
0.6
0.5
0.4
0.3
0.2
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

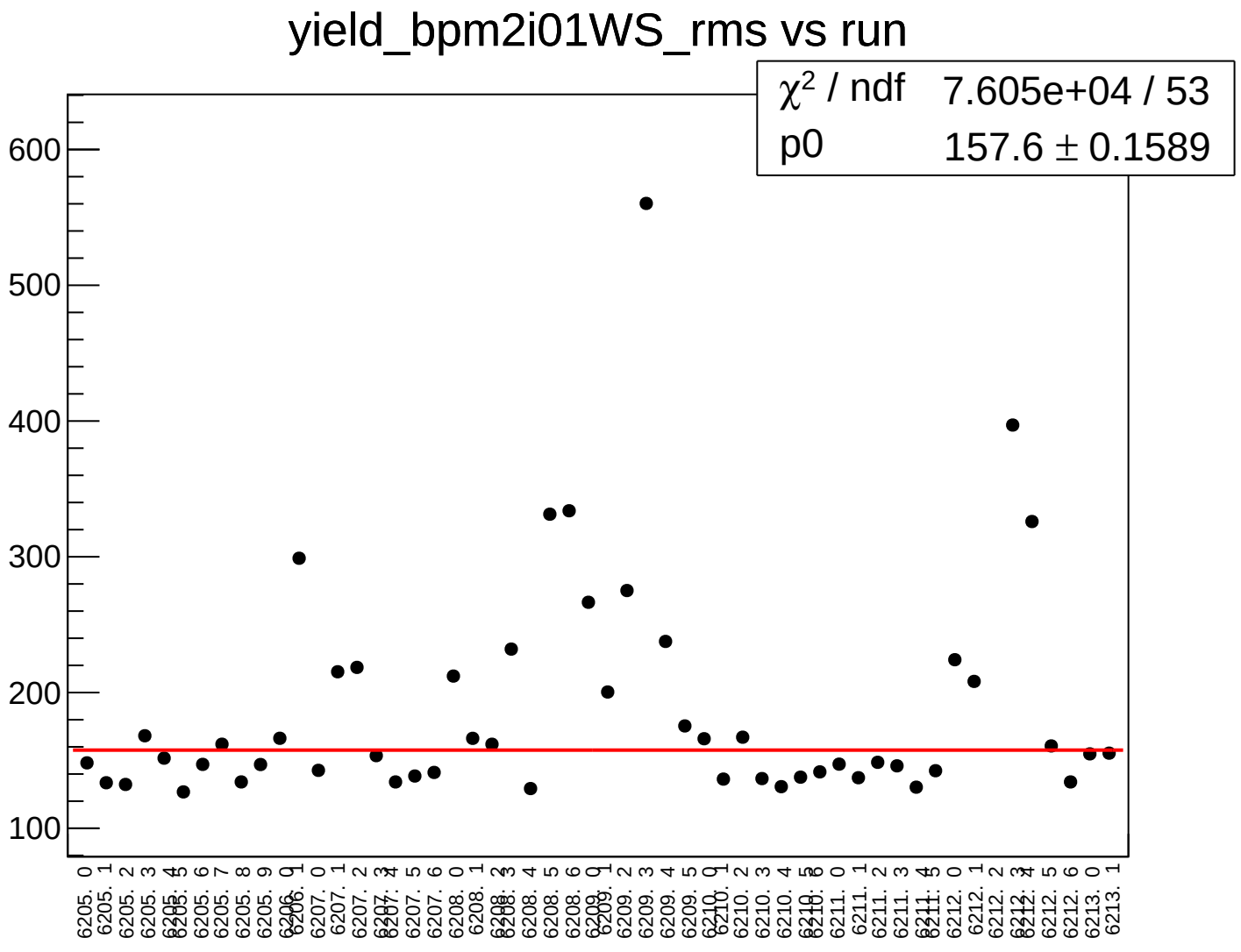

yield_bcm0l02_mean vs run
χ² / ndf 6.295e+05 / 53
p0 163.3 ± 0.001484
pull
Entries 54
Mean 32.63
Std Dev 16.38

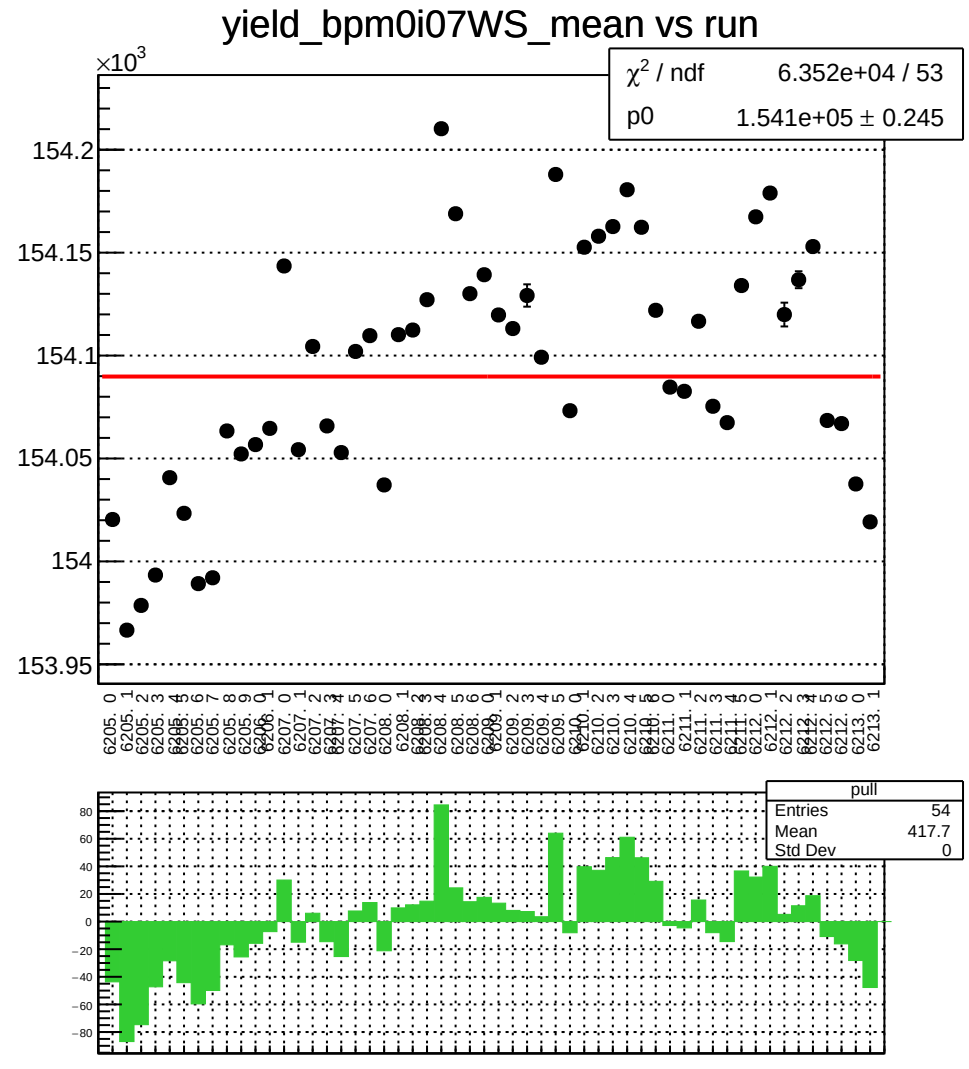

pull1D
Entries 54
Mean −1.769
Std Dev 4.902

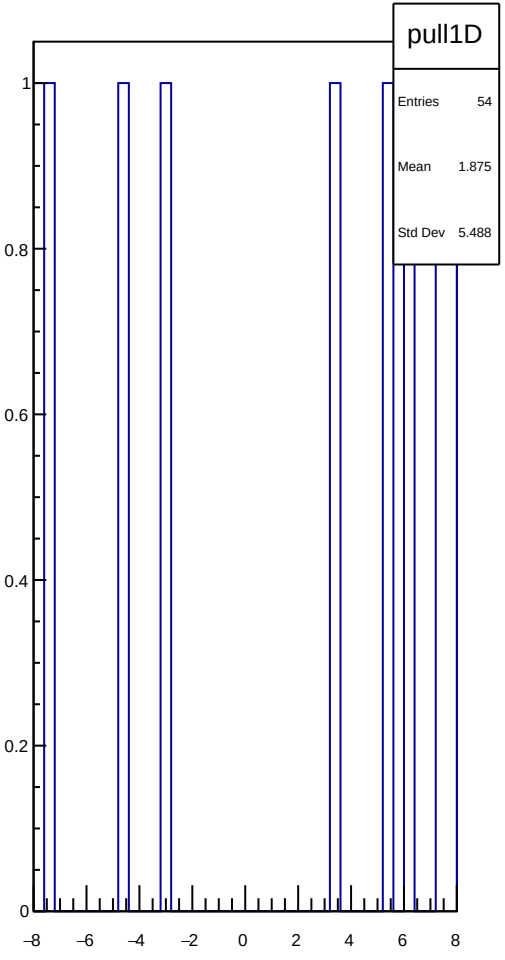

yield_bcm0l02_rms vs run
χ² / ndf 4.522e+05 / 53
p0 0.8177 ± 0.001049
8
7
6
5
4
3
2
1
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

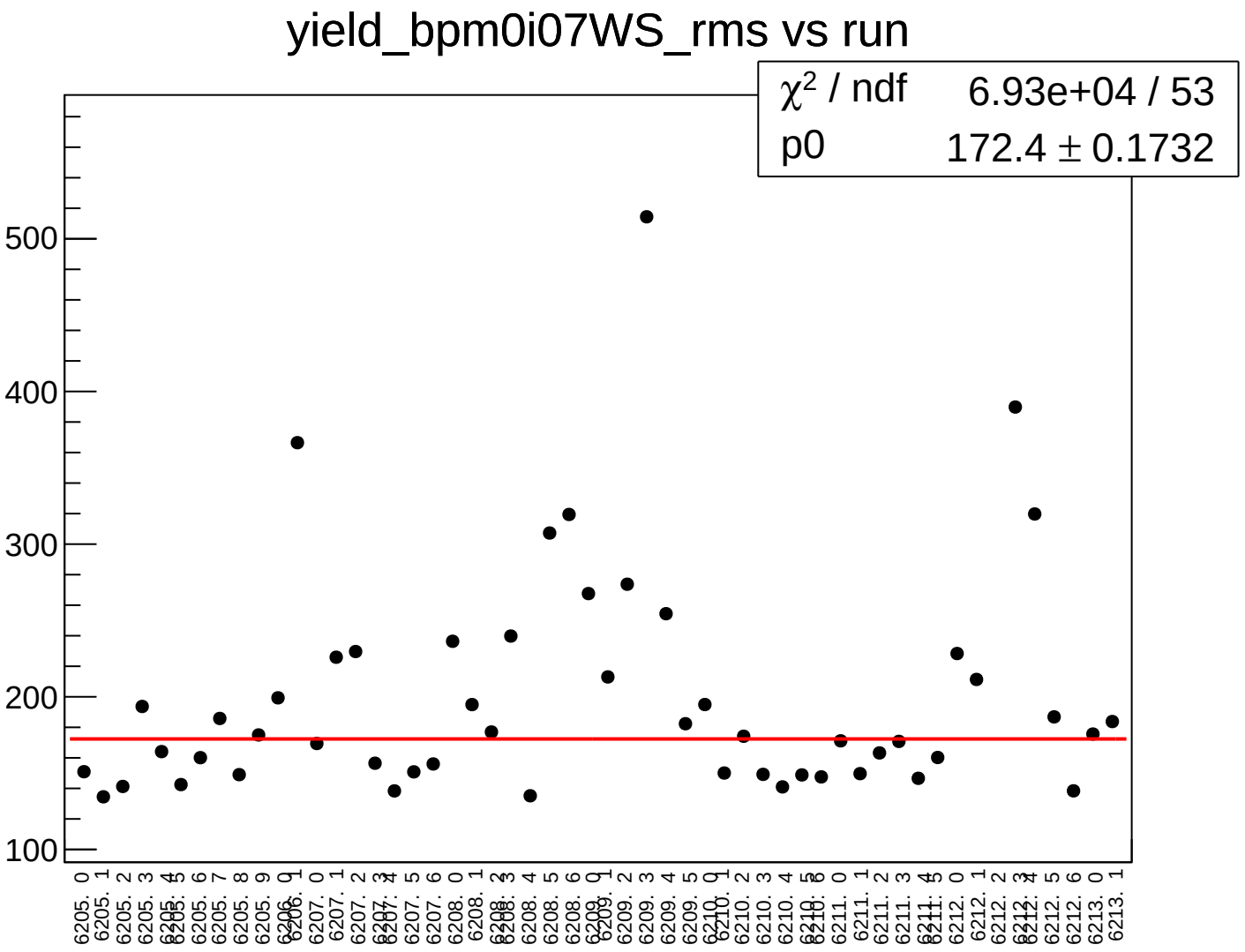

yield_bpm2i01WS_mean vs run
×10^3
χ² / ndf 993.5 / 53
p0 1.501e+05 ± 0.2248
150.16
150.15
150.14
150.13
150.12
150.11
150.1
150.09
150.08
pull
Entries 54
Mean 14.45
Std Dev 4.48
15
10
5
0
−5
−10

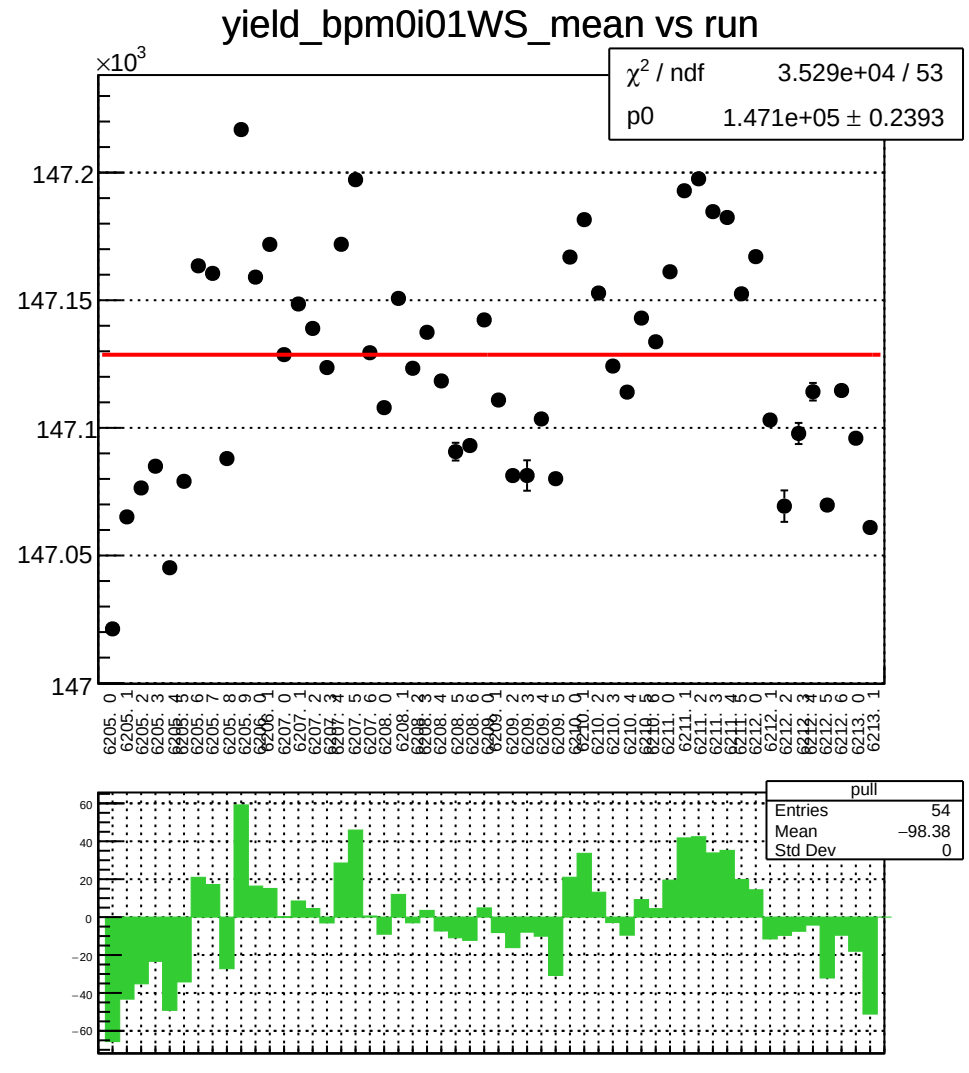

pull1D
Entries 54
Mean 0.4234
Std Dev 3.584
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

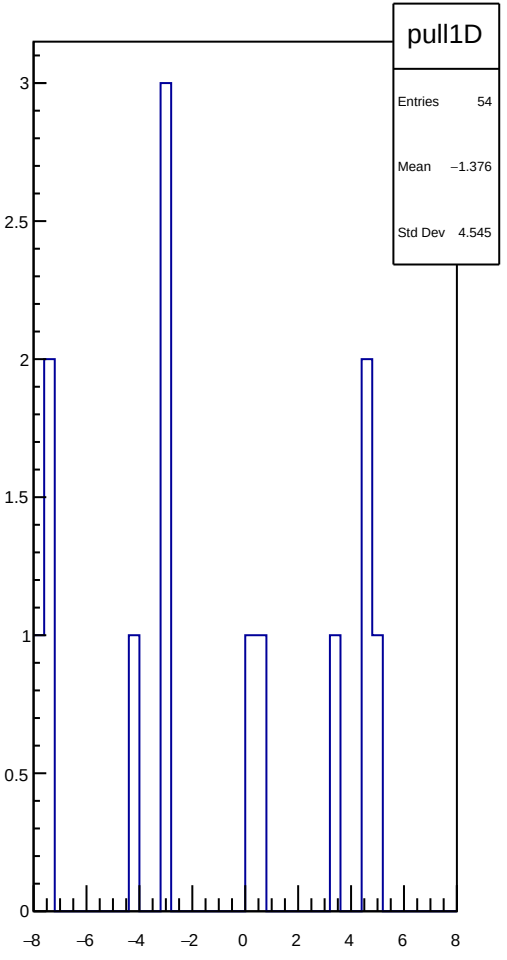

yield_bpm2i01WS_rms vs run
χ² / ndf 7.605e+04 / 53
p0 157.6 ± 0.1589
600
500
400
300
200
100
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

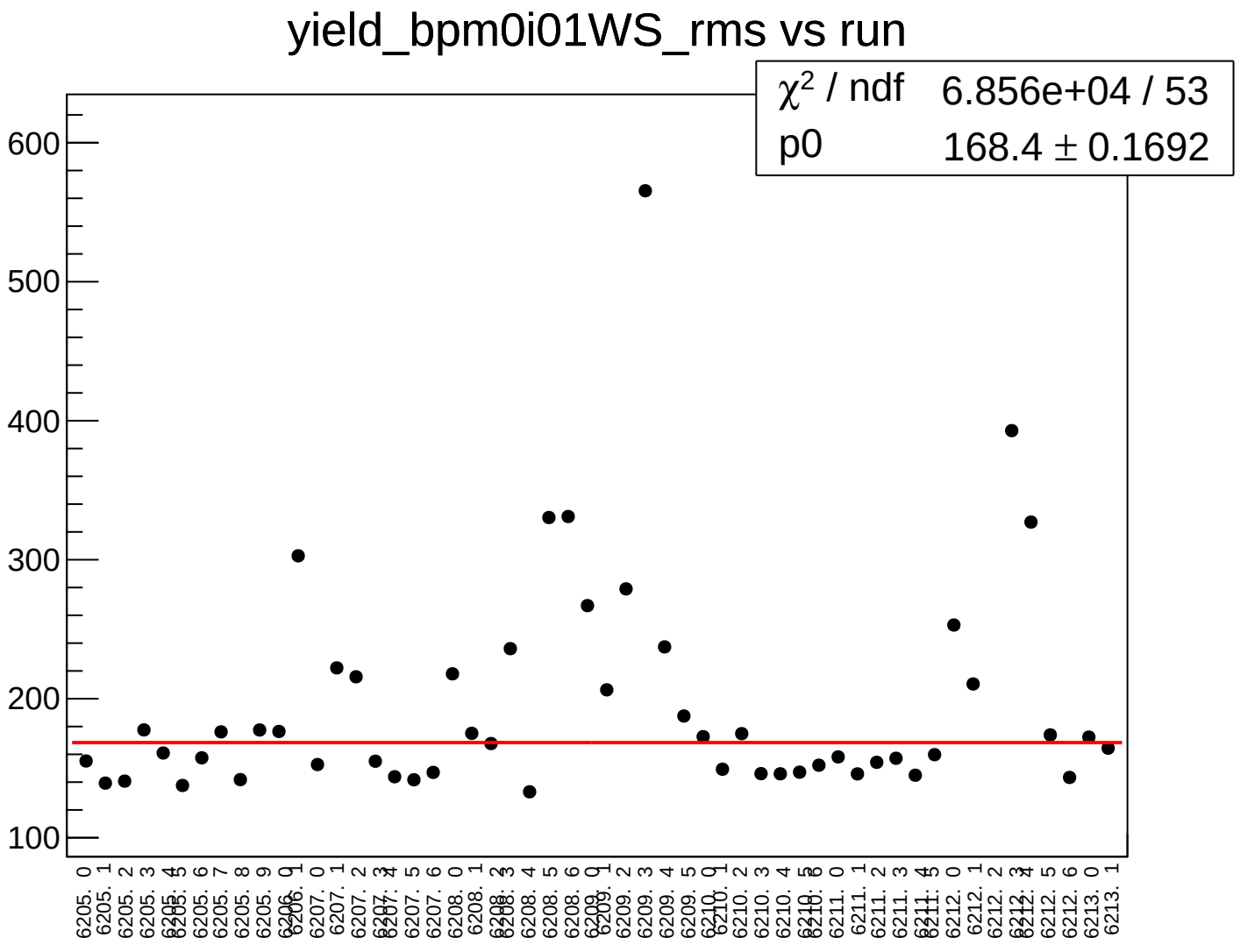

yield_bpm0i07WS_mean vs run
×10^3
χ² / ndf 6.352e+04 / 53
p0 1.541e+05 ± 0.245
154.2
154.15
154.1
154.05
154
153.95
pull
Entries 54
Mean 417.7
Std Dev 0
80
60
40
20
0
−20
−40
−60
−80

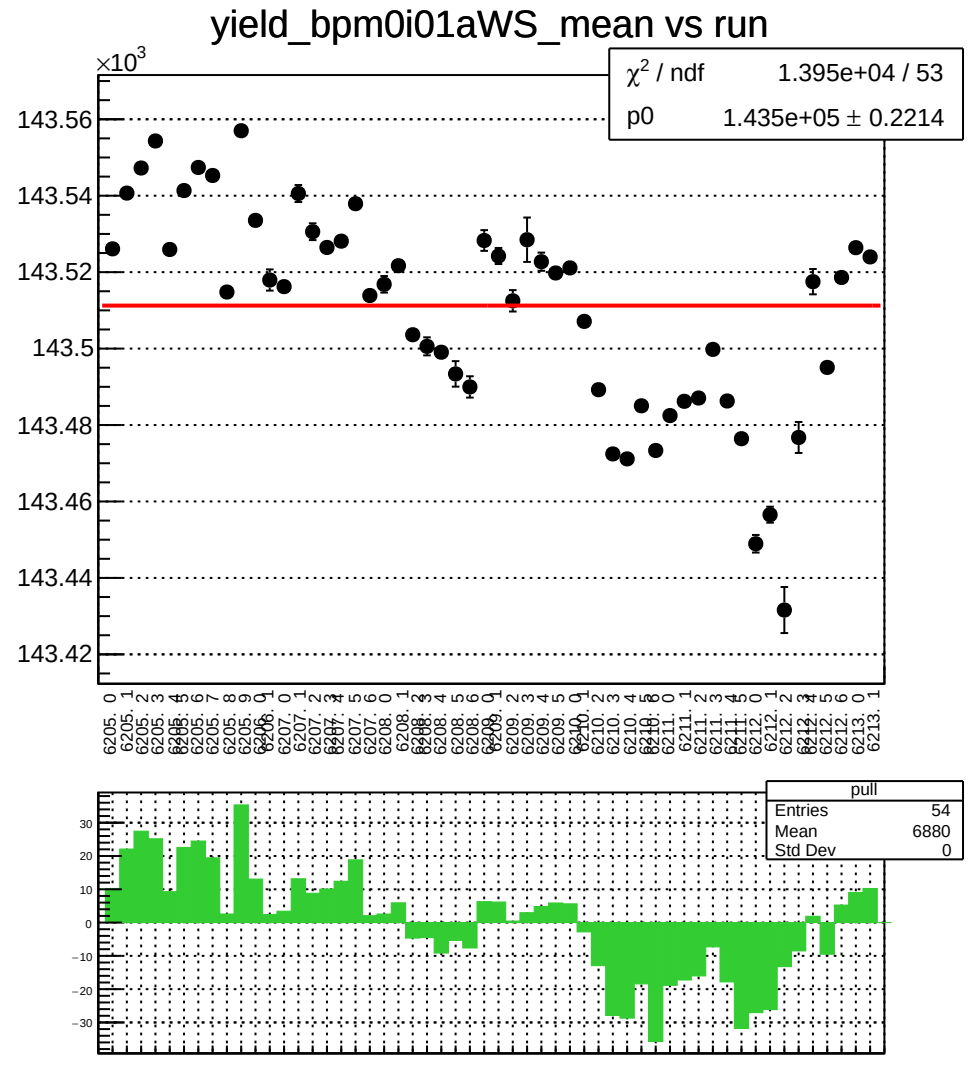

pull1D
Entries 54
Mean 1.875
Std Dev 5.488
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

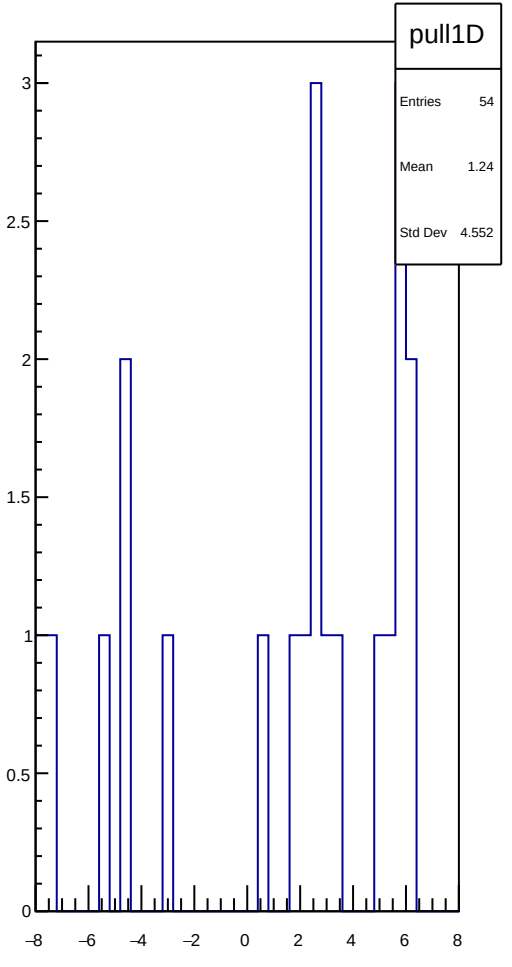

yield_bpm0i07WS_rms vs run
χ² / ndf 6.93e+04 / 53
p0 172.4 ± 0.1732
500
400
300
200
100
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 1
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

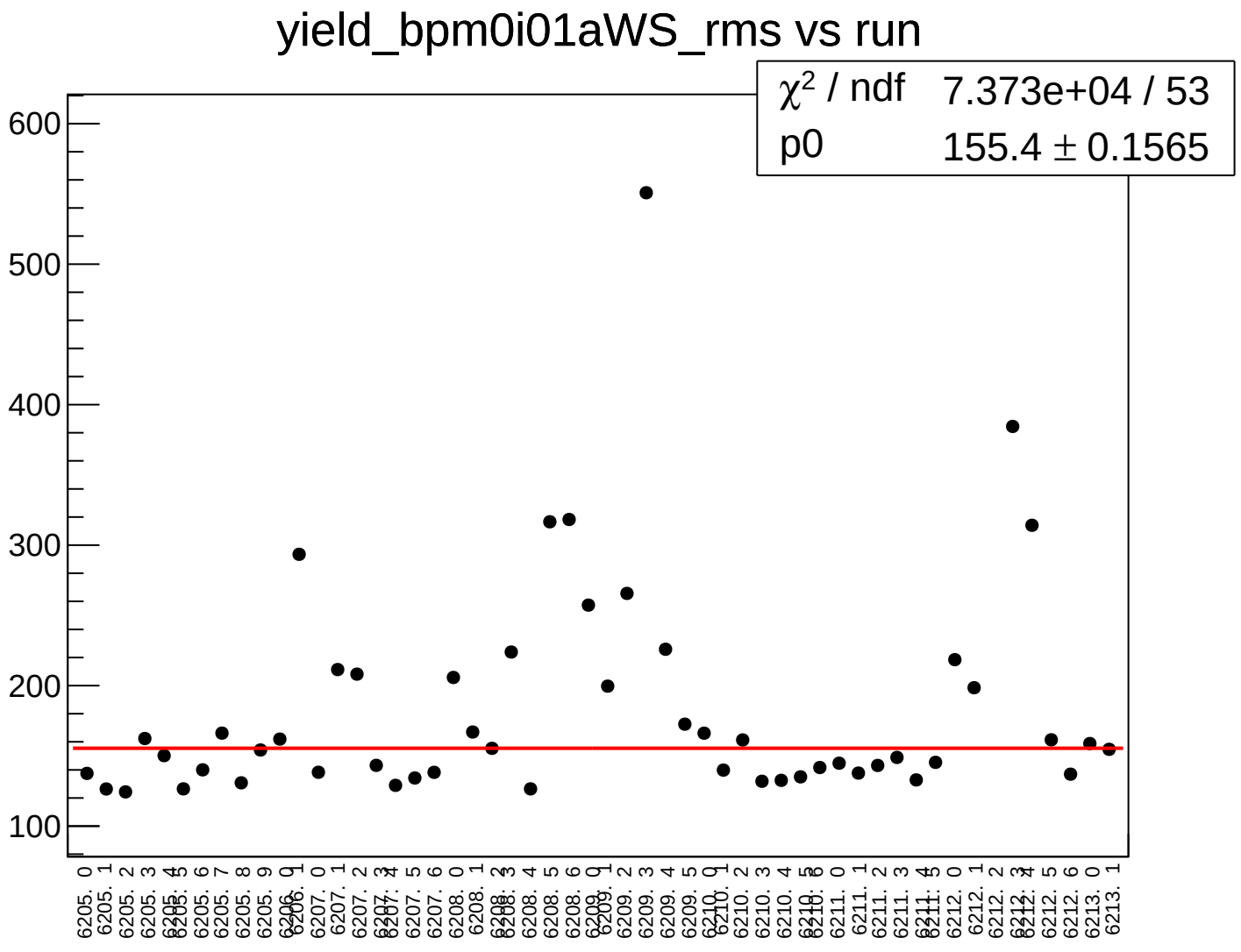

yield_bpm0i01WS_mean vs run
×10^3
χ² / ndf 3.529e+04 / 53
p0 1.471e+05 ± 0.2393
147.2
147.15
147.1
147.05
147
pull
Entries 54
Mean −98.38
Std Dev 0
60
40
20
0
−20
−40
−60

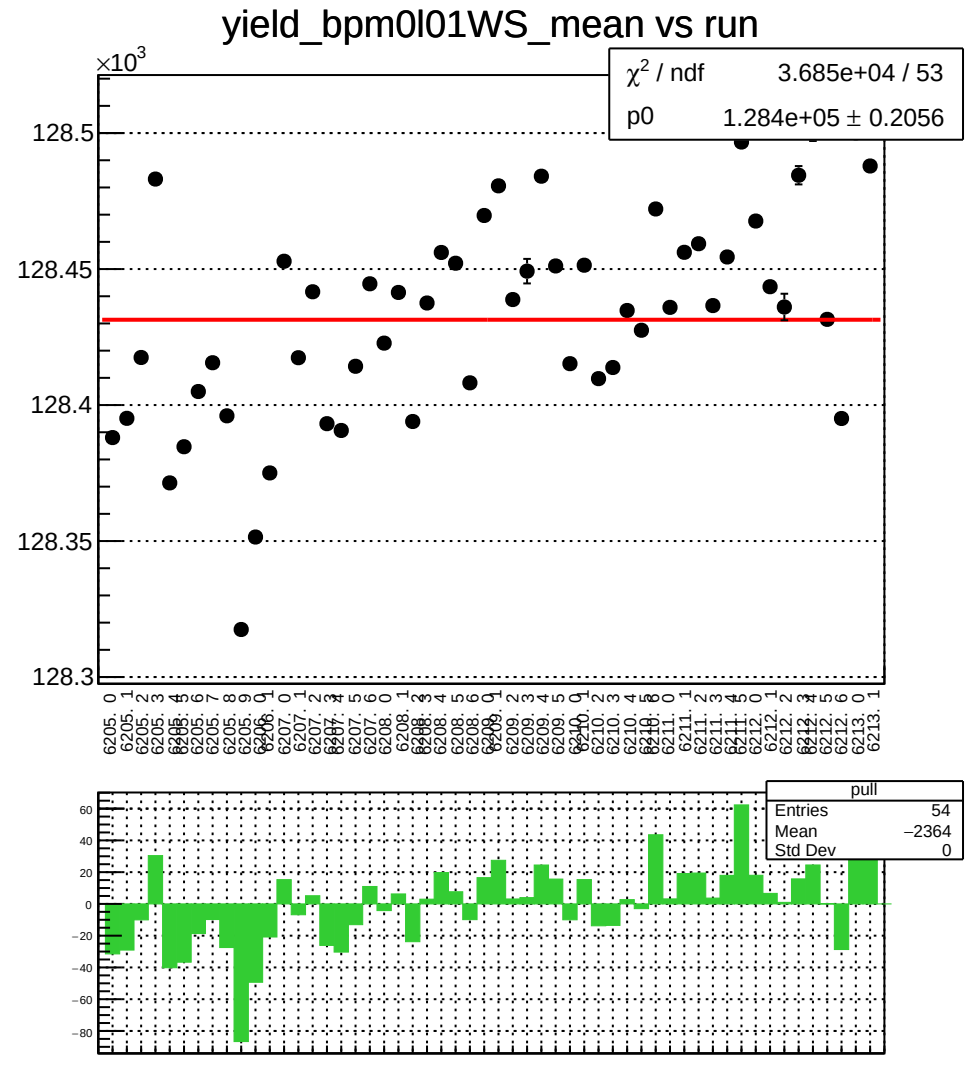

pull1D
Entries 54
Mean −1.376
Std Dev 4.545
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

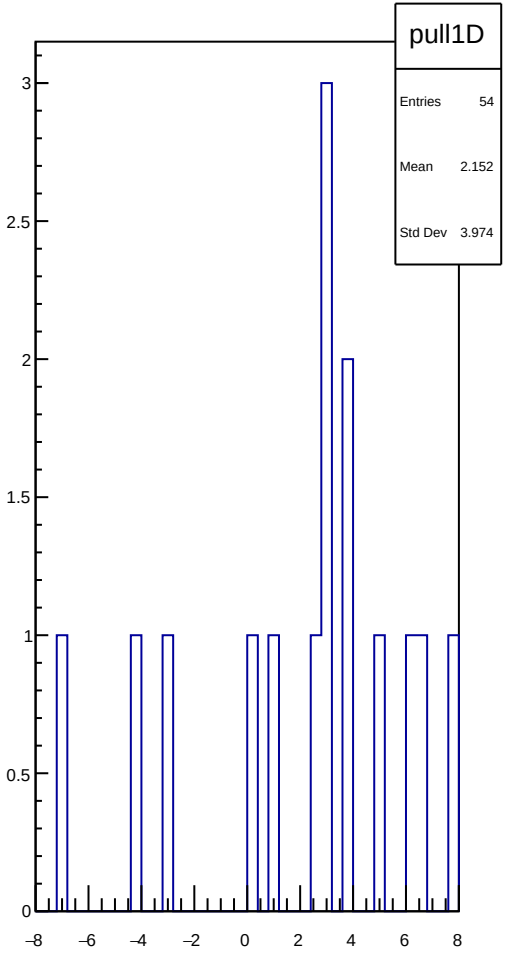

yield_bpm0i01WS_rms vs run
χ² / ndf 6.856e+04 / 53
p0 168.4 ± 0.1692
600
500
400
300
200
100
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

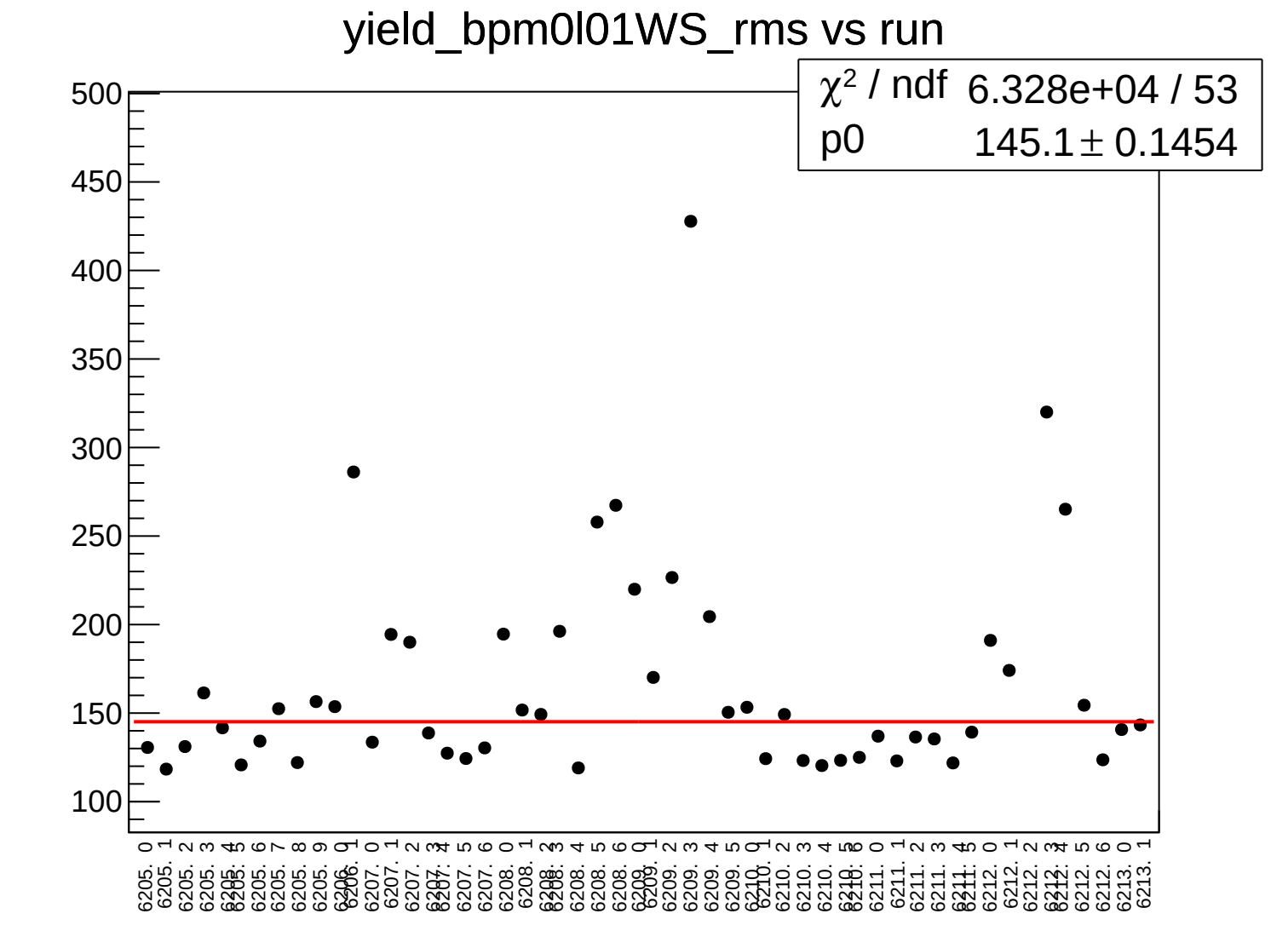

yield_bpm0i01aWS_mean vs run
×10^3
χ² / ndf 1.395e+04 / 53
p0 1.435e+05 ± 0.2214
143.56
143.54
143.52
143.5
143.48
143.46
143.44
143.42
pull
Entries 54
Mean 6880
Std Dev 0
30
20
10
0
−10
−20
−30

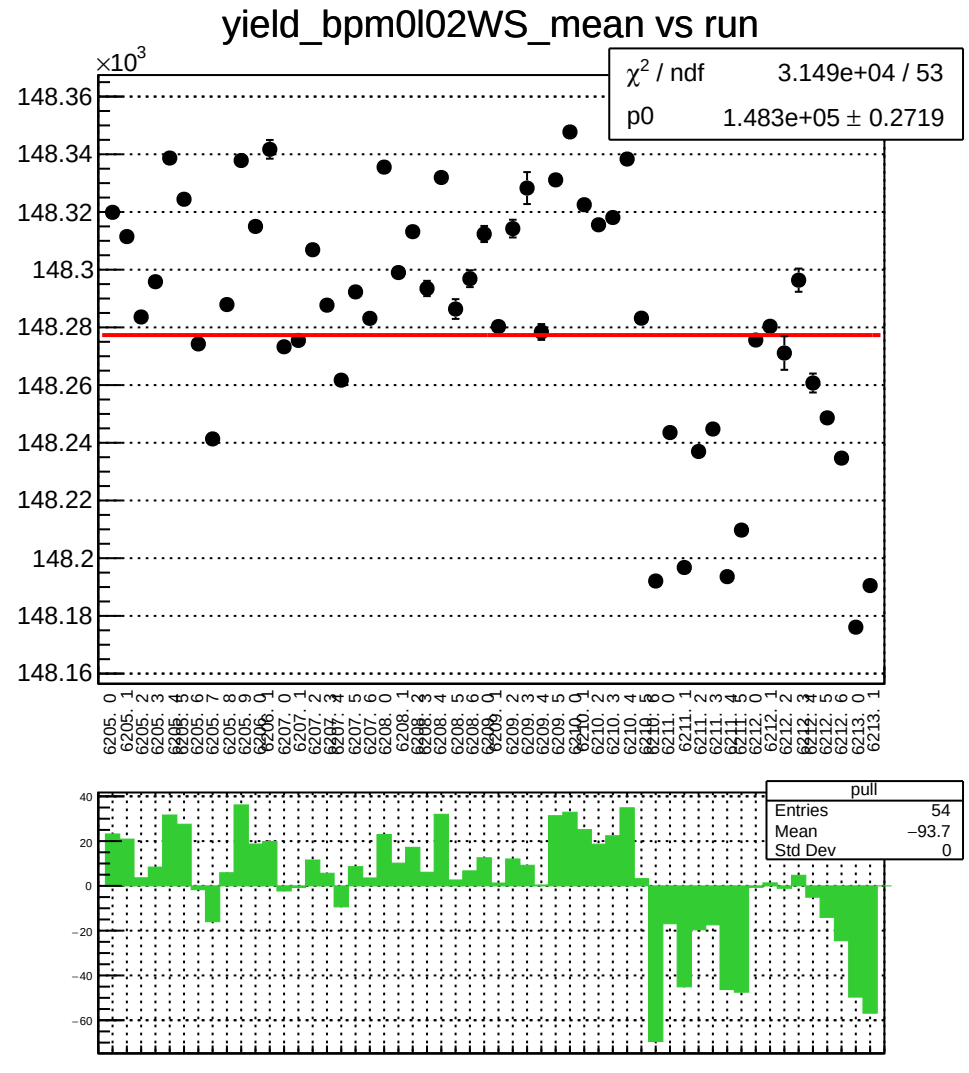

pull1D
Entries 54
Mean 1.24
Std Dev 4.552
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

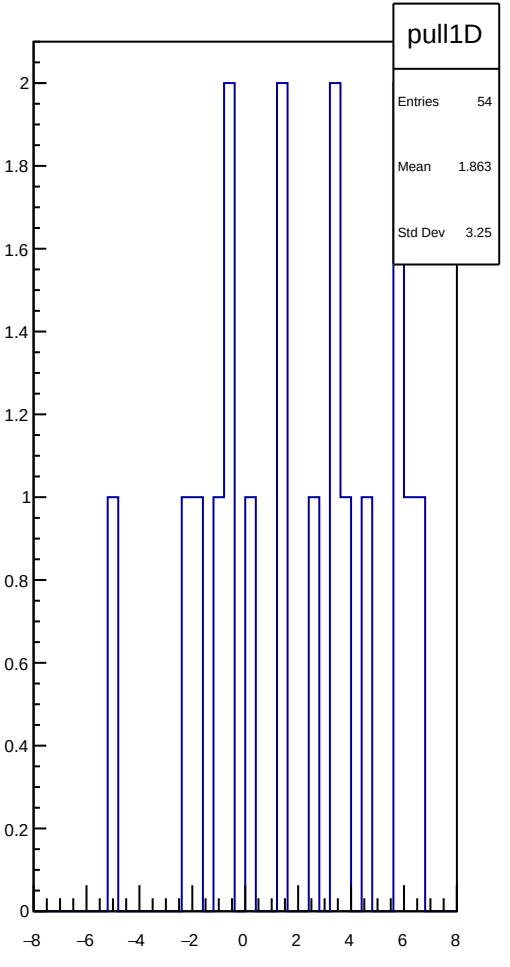

yield_bpm0i01aWS_rms vs run
χ² / ndf 7.373e+04 / 53
p0 155.4 ± 0.1565
600
500
400
300
200
100
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

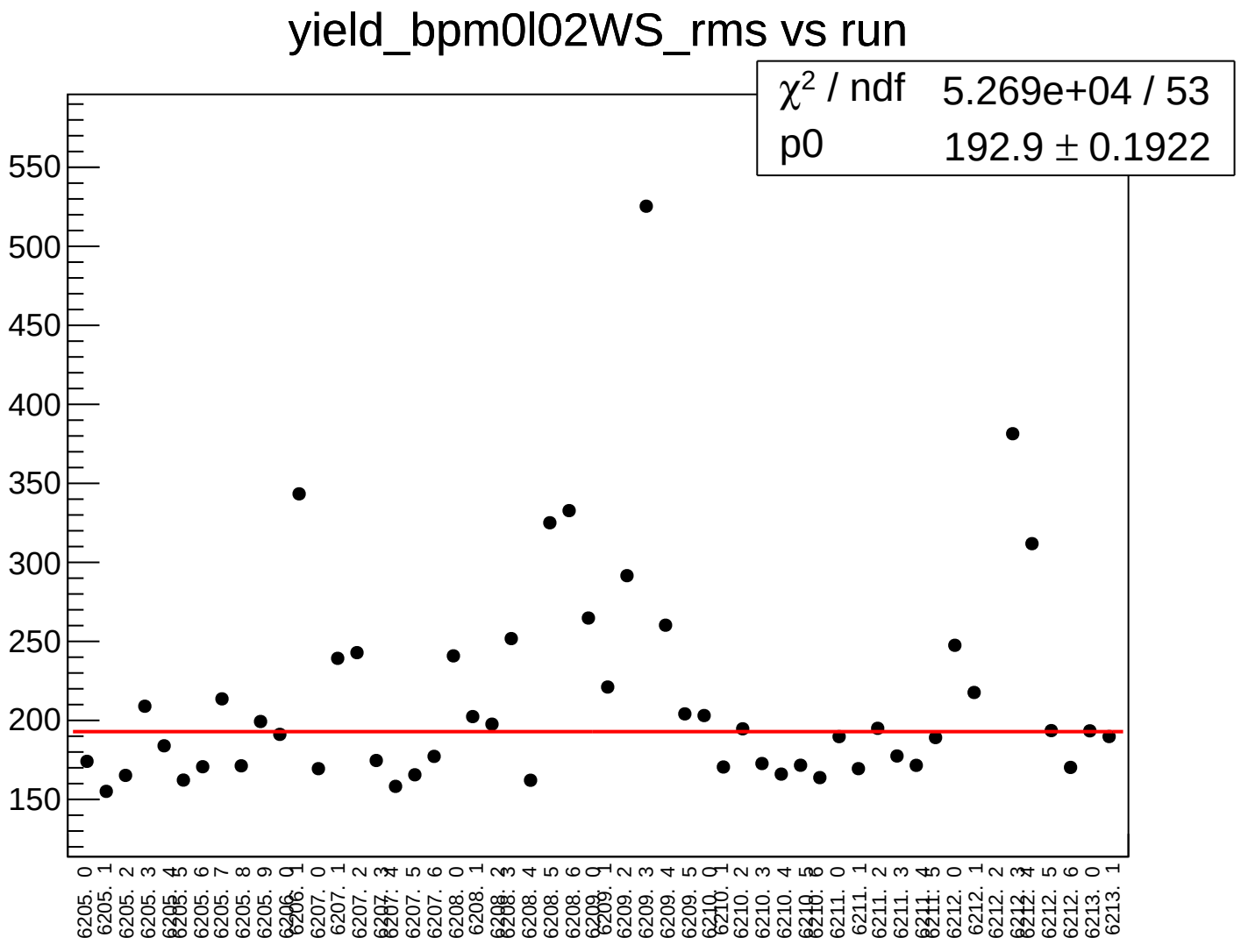

yield_bpm0l01WS_mean vs run
×10^3
χ² / ndf 3.685e+04 / 53
p0 1.284e+05 ± 0.2056
128.5
128.45
128.4
128.35
128.3
pull
Entries 54
Mean −2364
Std Dev 0
60
40
20
0
−20
−40
−60
−80

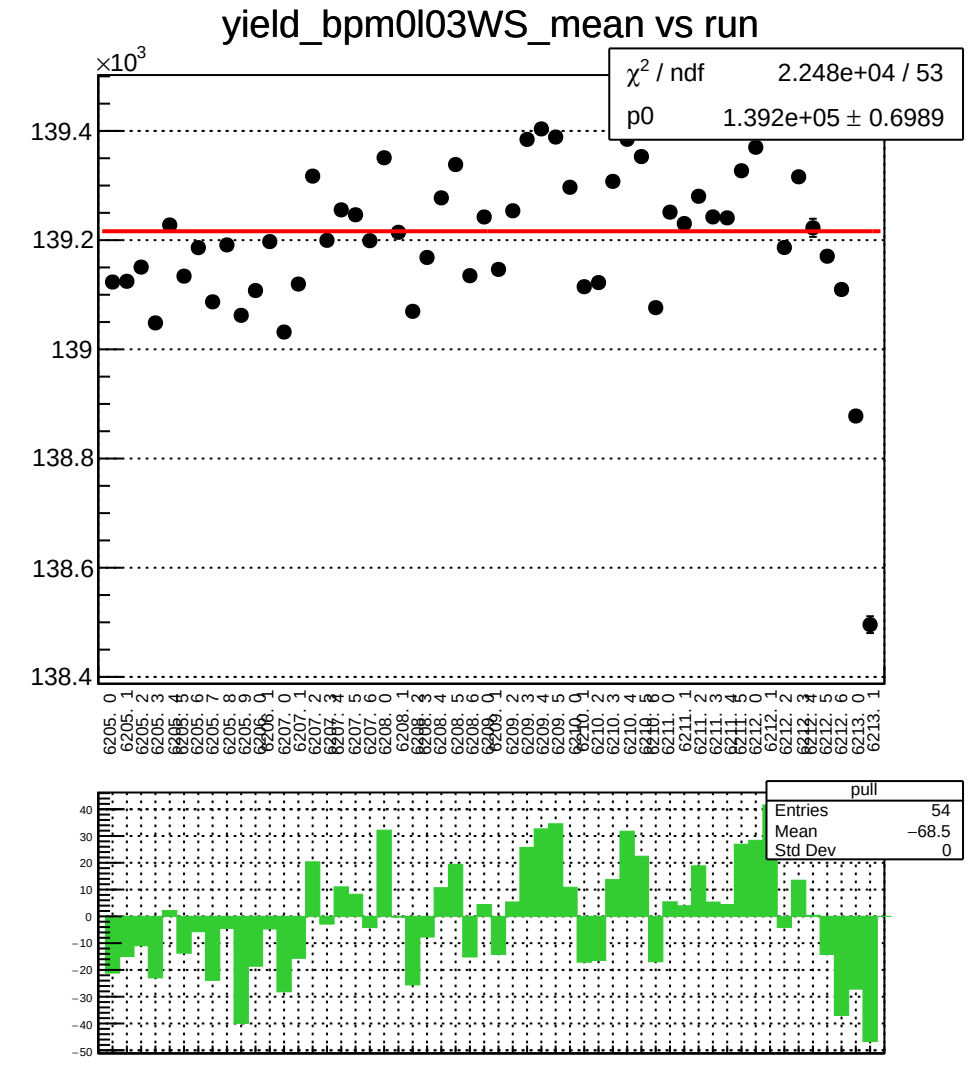

pull1D
Entries 54
Mean 2.152
Std Dev 3.974
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

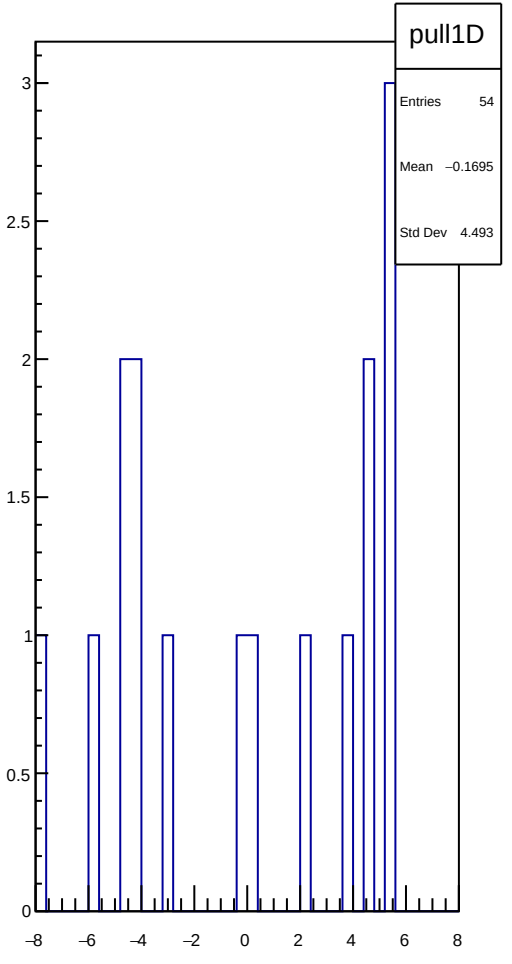

yield_bpm0l01WS_rms vs run
χ² / ndf 6.328e+04 / 53
p0 145.1 ± 0.1454
500
450
400
350
300
250
200
150
100
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

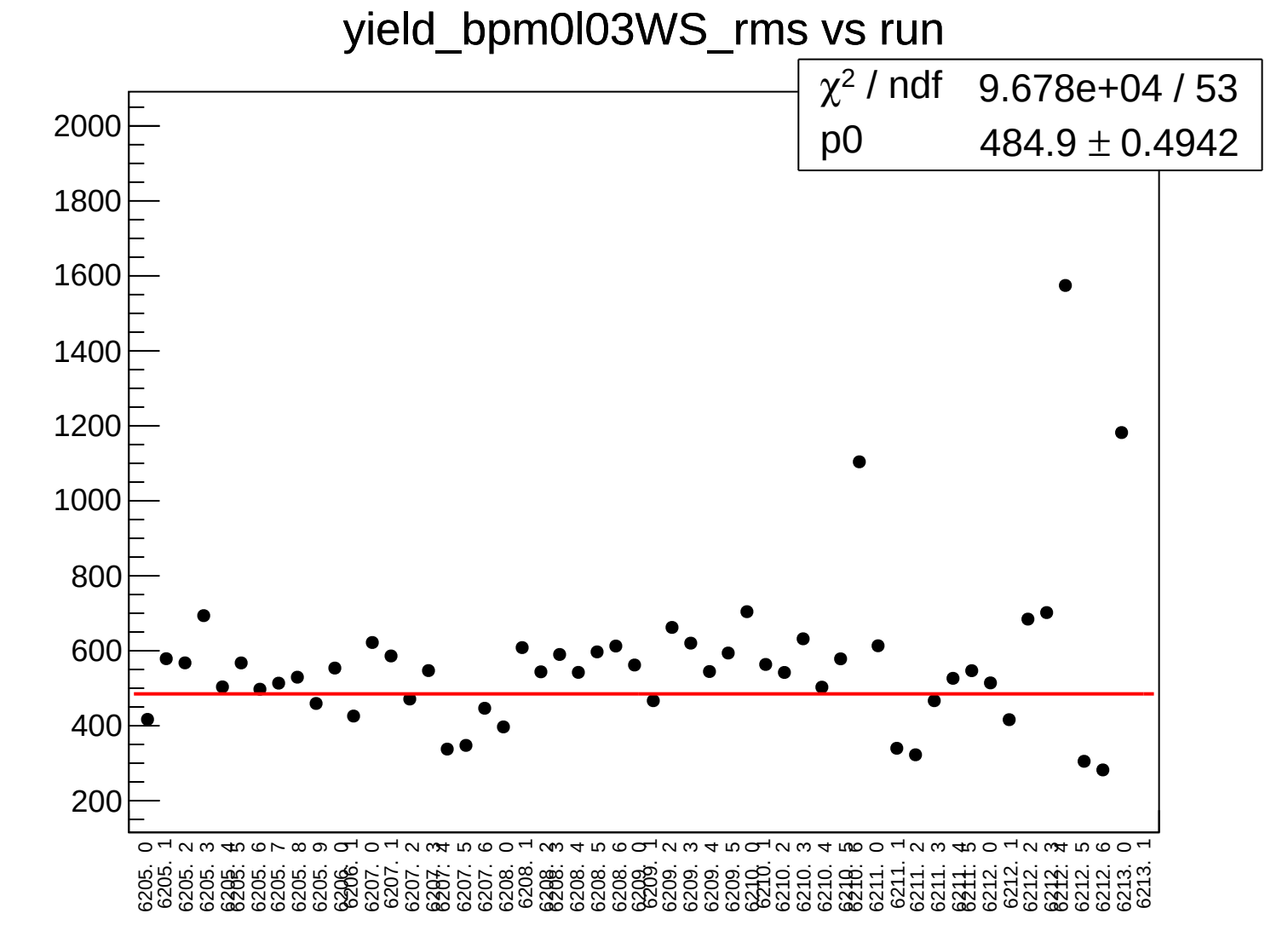

yield_bpm0l02WS_mean vs run
×10^3
χ² / ndf 3.149e+04 / 53
p0 1.483e+05 ± 0.2719
148.36
148.34
148.32
148.3
148.28
148.26
148.24
148.22
148.2
148.18
148.16
pull
Entries 54
Mean −93.7
Std Dev 0
40
20
0
−20
−40
−60

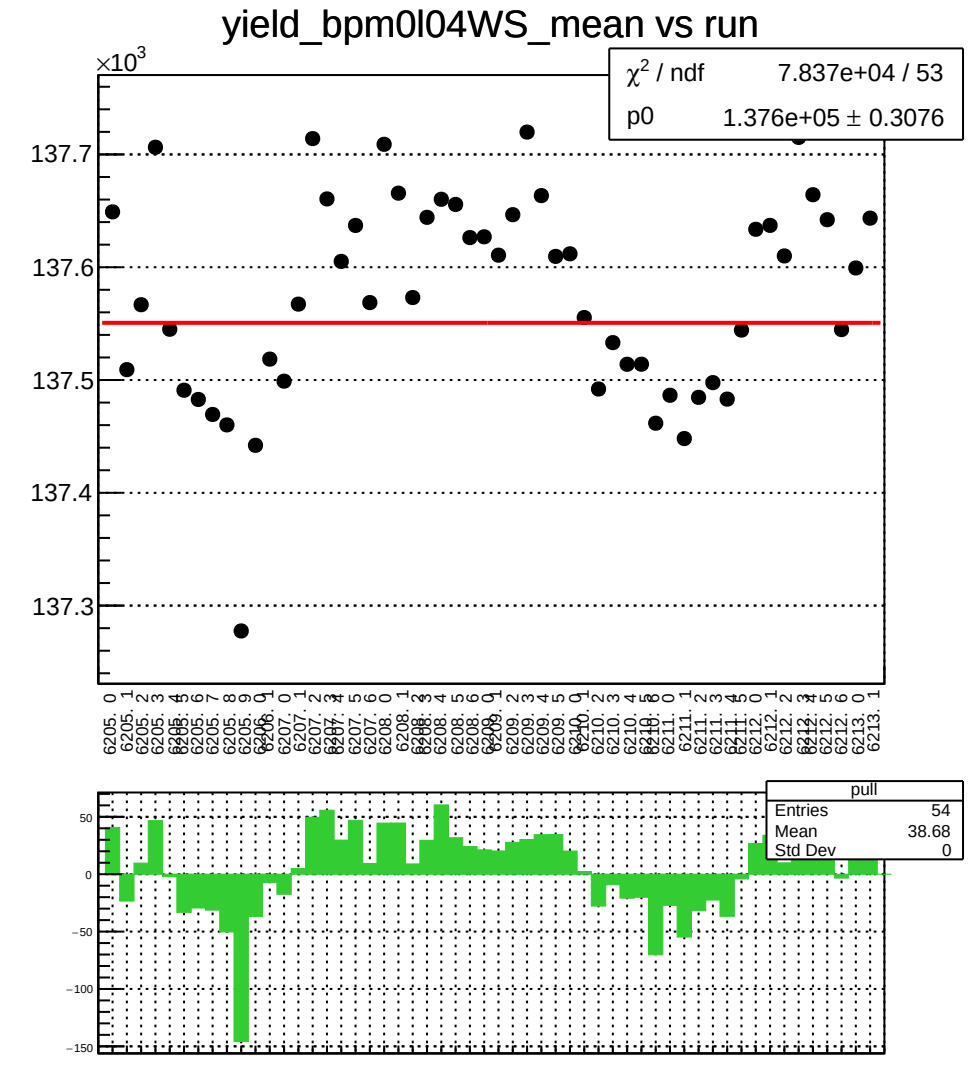

pull1D
Entries 54
Mean 1.863
Std Dev 3.25
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

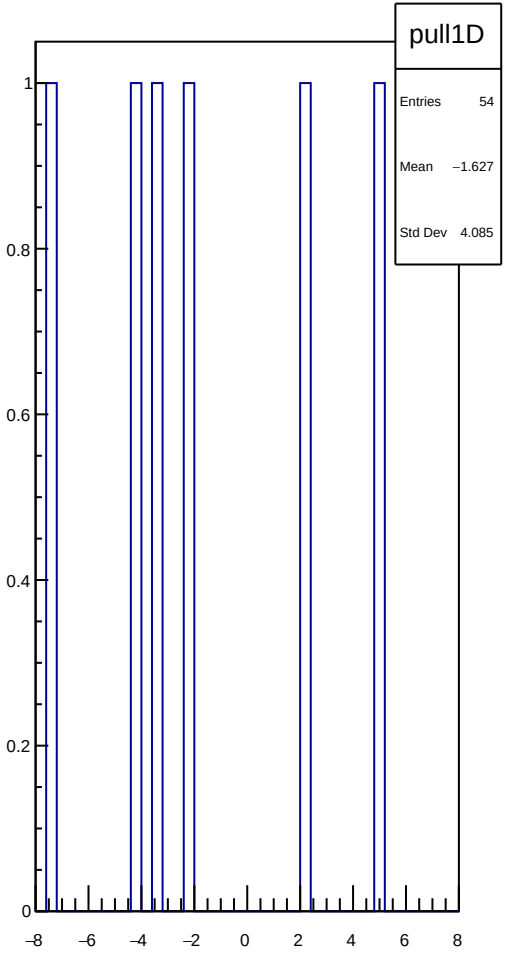

yield_bpm0l02WS_rms vs run
χ² / ndf 5.269e+04 / 53
p0 192.9 ± 0.1922
550
500
450
400
350
300
250
200
150
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

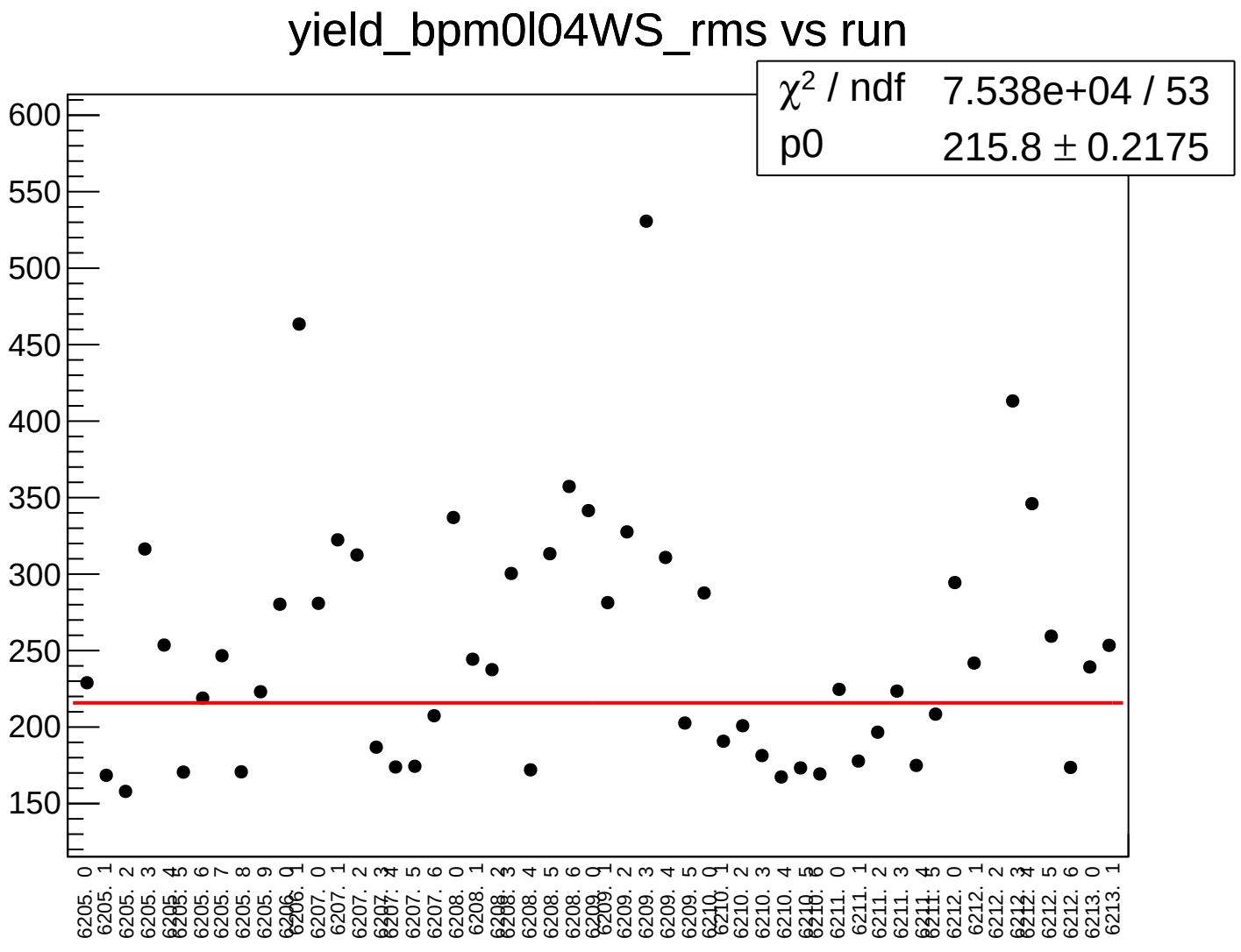

yield_bpm0l03WS_mean vs run
×10^3
χ² / ndf 2.248e+04 / 53
p0 1.392e+05 ± 0.6989
139.4
139.2
139
138.8
138.6
138.4
pull
Entries 54
Mean −68.5
Std Dev 0
40
30
20
10
0
−10
−20
−30
−40
−50

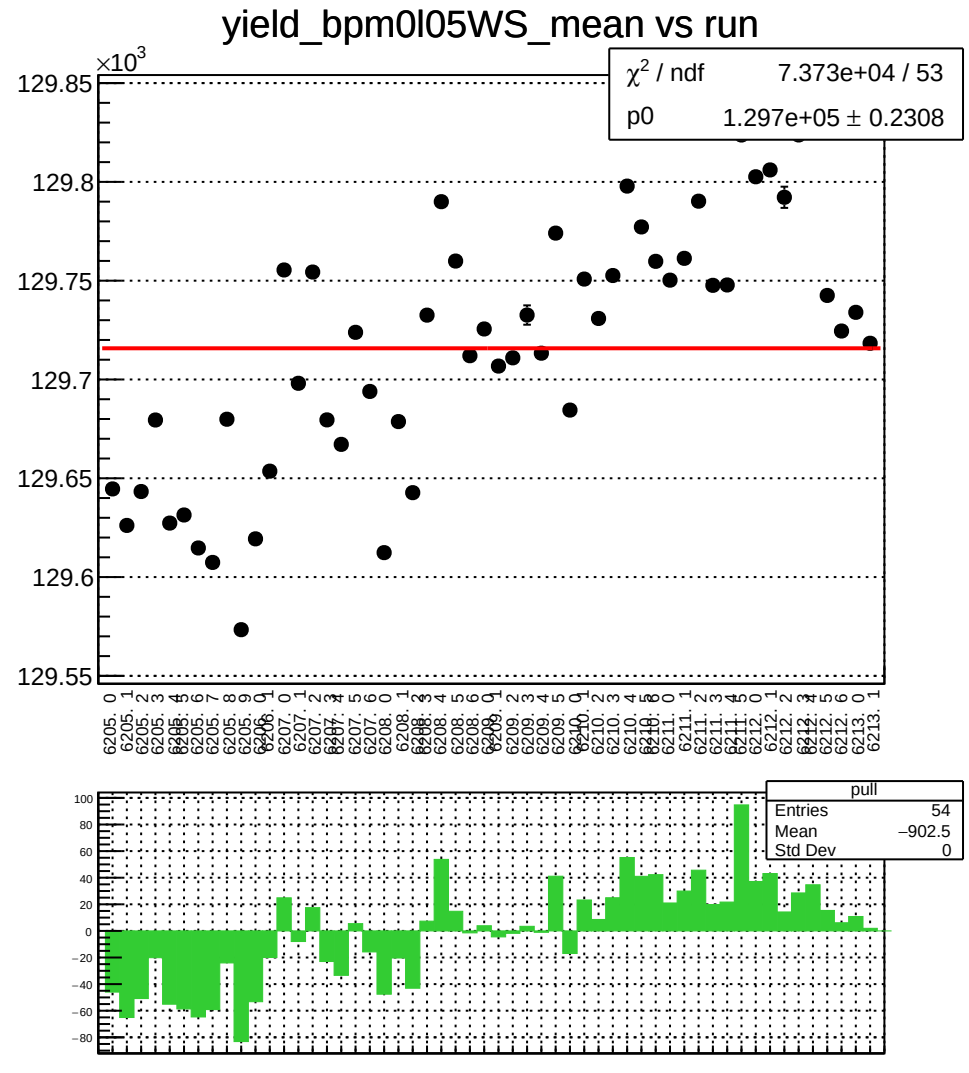

pull1D
Entries 54
Mean −0.1695
Std Dev 4.493
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

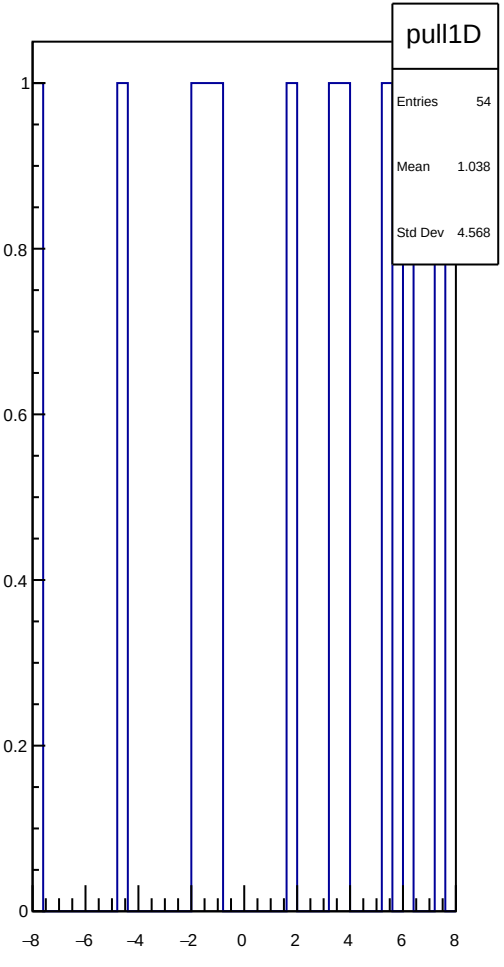

yield_bpm0l03WS_rms vs run
χ² / ndf 9.678e+04 / 53
p0 484.9 ± 0.4942
2000
1800
1600
1400
1200
1000
800
600
400
200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

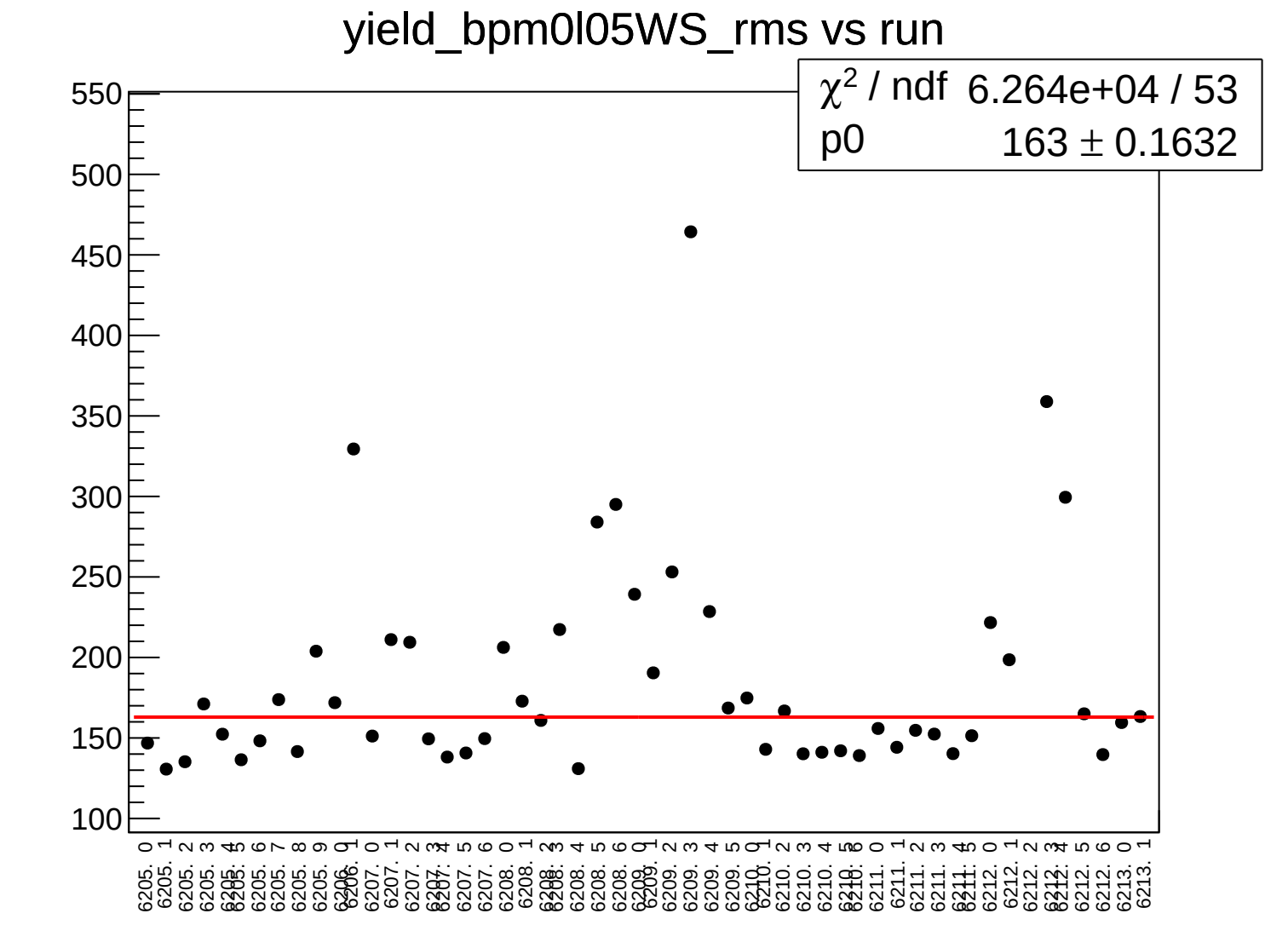

yield_bpm0l04WS_mean vs run
×10^3
χ² / ndf 7.837e+04 / 53
p0 1.376e+05 ± 0.3076
137.7
137.6
137.5
137.4
137.3
pull
Entries 54
Mean 38.68
Std Dev 0
50
0
−50
−100
−150

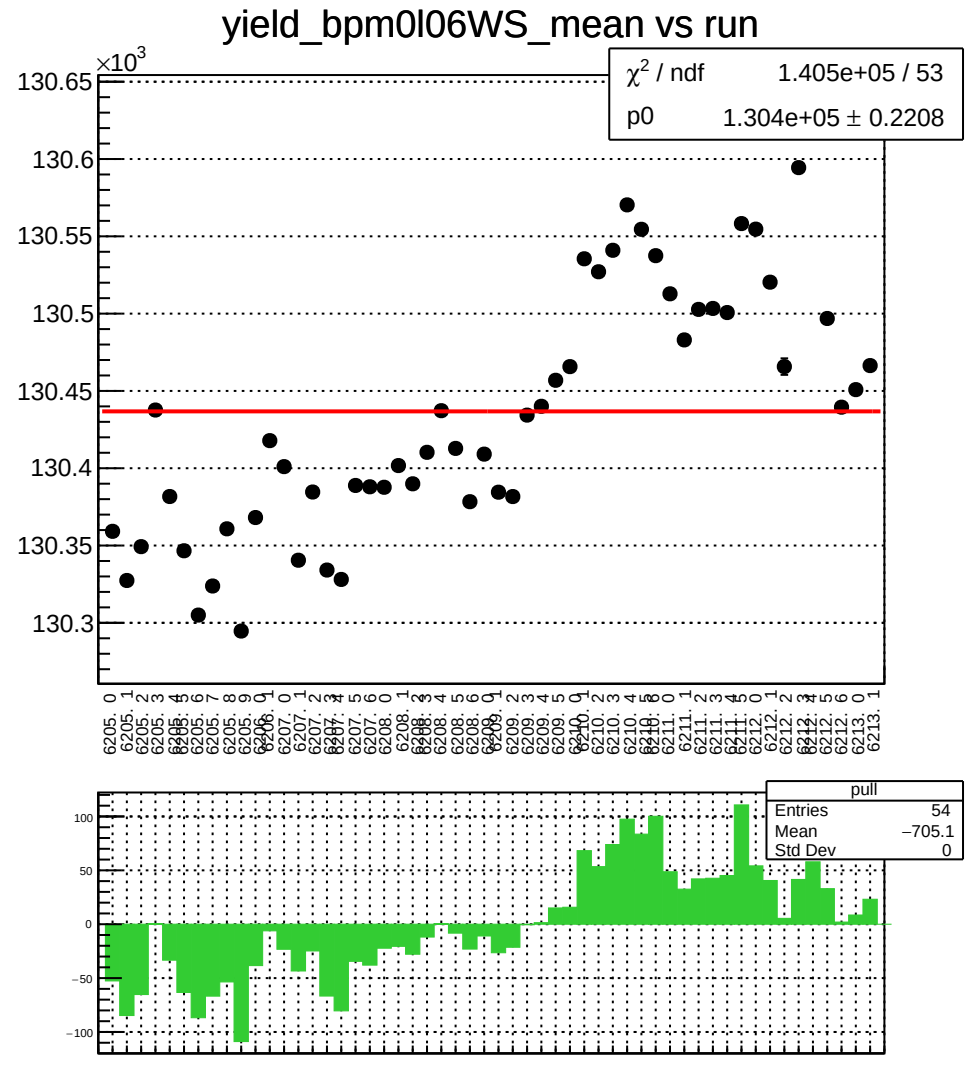

pull1D
Entries 54
Mean −1.627
Std Dev 4.085
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

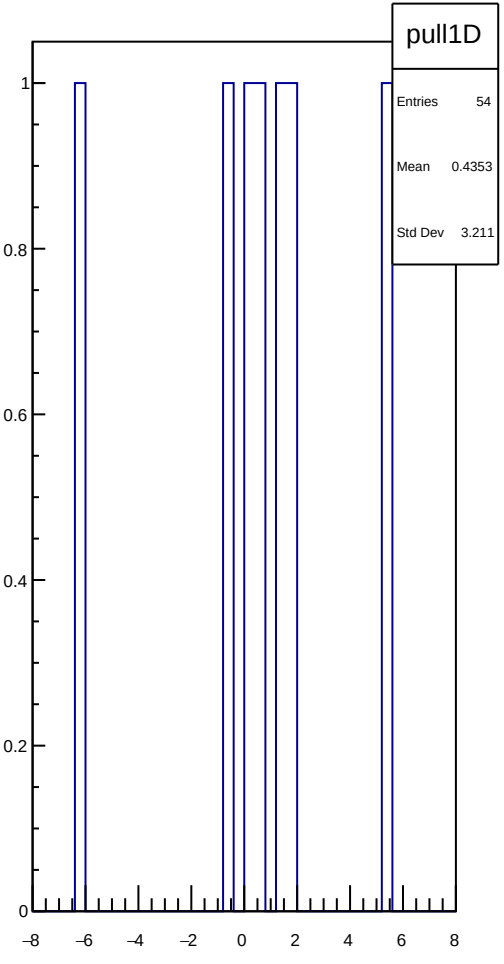

yield_bpm0l04WS_rms vs run
χ² / ndf 7.538e+04 / 53
p0 215.8 ± 0.2175
600
550
500
450
400
350
300
250
200
150
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

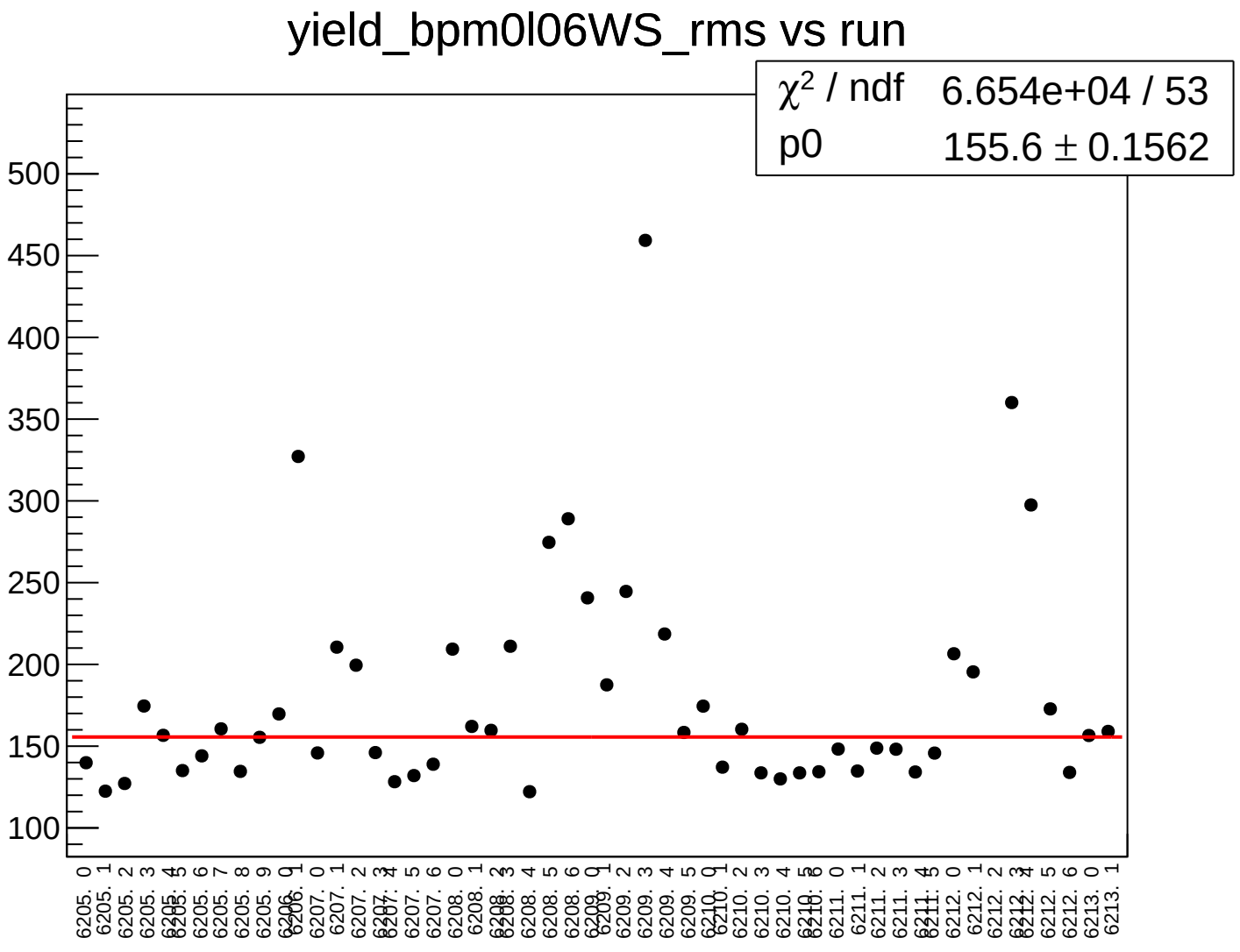

yield_bpm0l05WS_mean vs run
×10^3
χ² / ndf 7.373e+04 / 53
p0 1.297e+05 ± 0.2308
129.85
129.8
129.75
129.7
129.65
129.6
129.55
pull
Entries 54
Mean −902.5
Std Dev 0
100
80
60
40
20
0
−20
−40
−60
−80

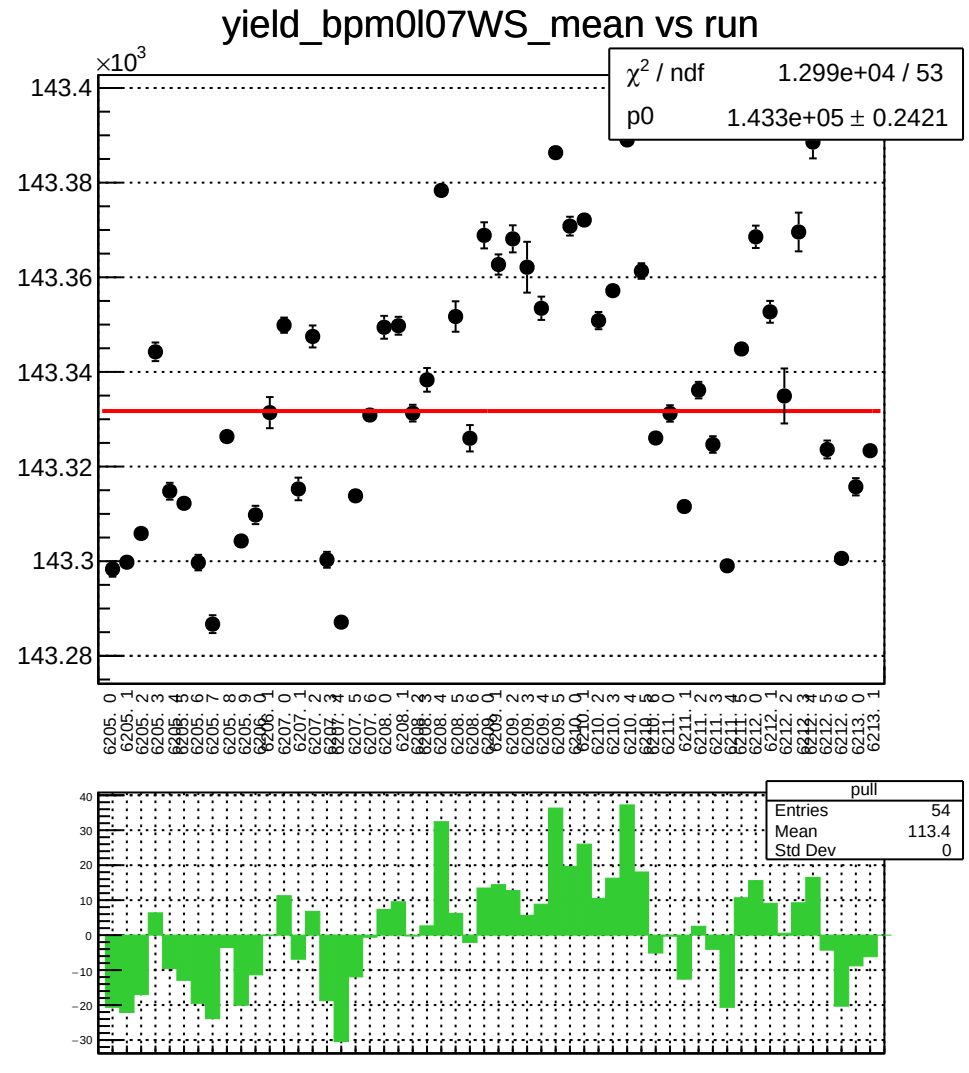

pull1D
Entries 54
Mean 1.038
Std Dev 4.568
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

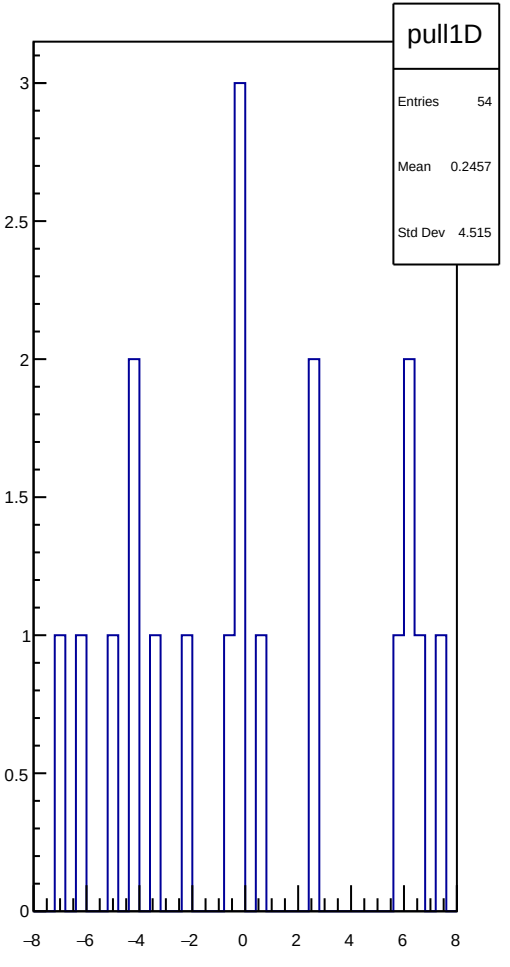

yield_bpm0l05WS_rms vs run
χ² / ndf 6.264e+04 / 53
p0 163 ± 0.1632
550
500
450
400
350
300
250
200
150
100
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

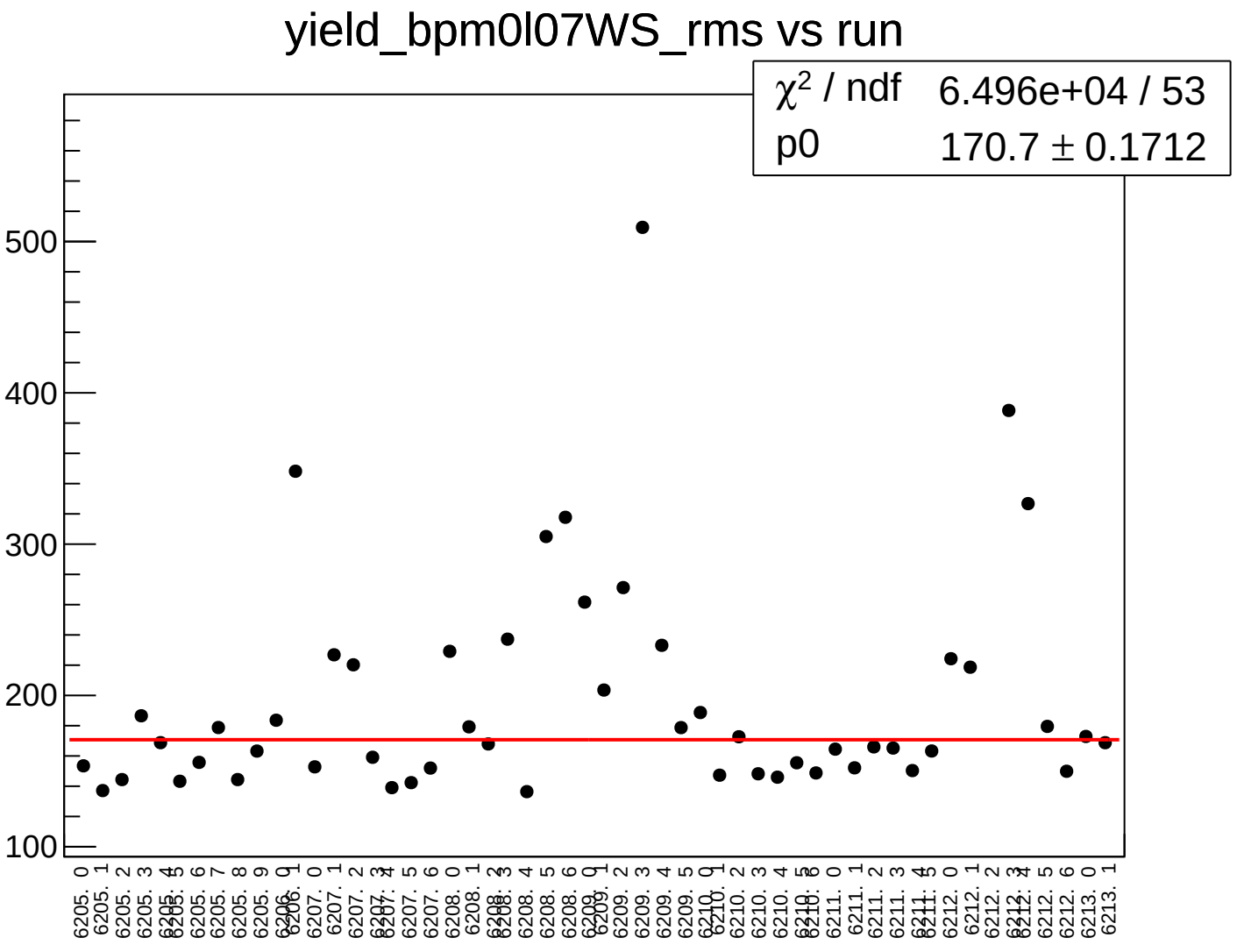

yield_bpm0l06WS_mean vs run
×10^3
130.65
130.6
130.55
130.5
130.45
130.4
130.35
130.3
χ² / ndf 1.405e+05 / 53
p0 1.304e+05 ± 0.2208
pull
Entries 54
Mean −705.1
Std Dev 0
100
50
0
−50
−100

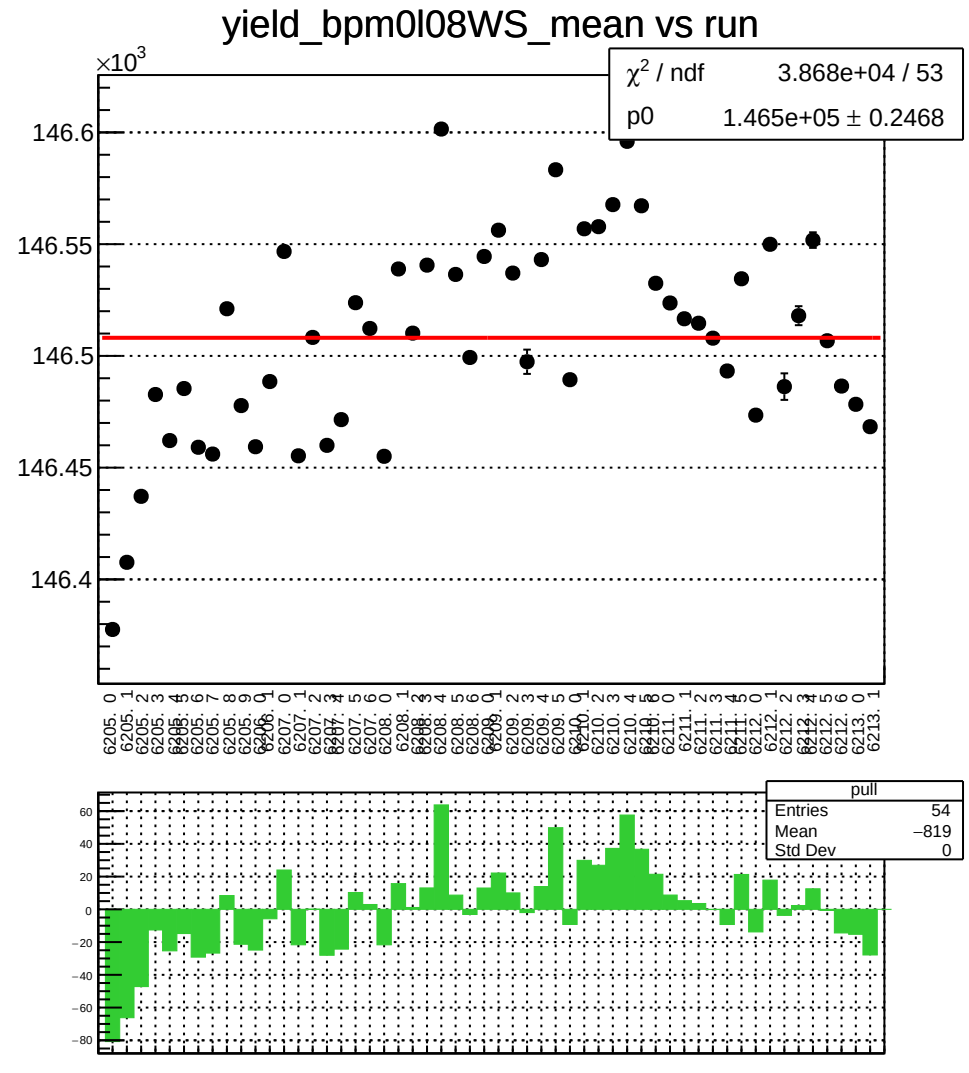

pull1D
Entries 54
Mean 0.4353
Std Dev 3.211
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

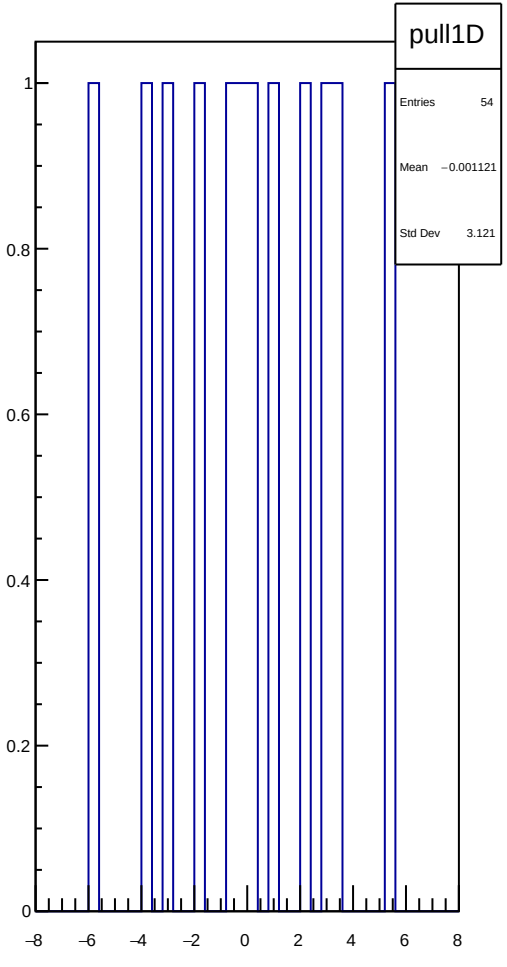

yield_bpm0l06WS_rms vs run
χ² / ndf 6.654e+04 / 53
p0 155.6 ± 0.1562
500
450
400
350
300
250
200
150
100
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

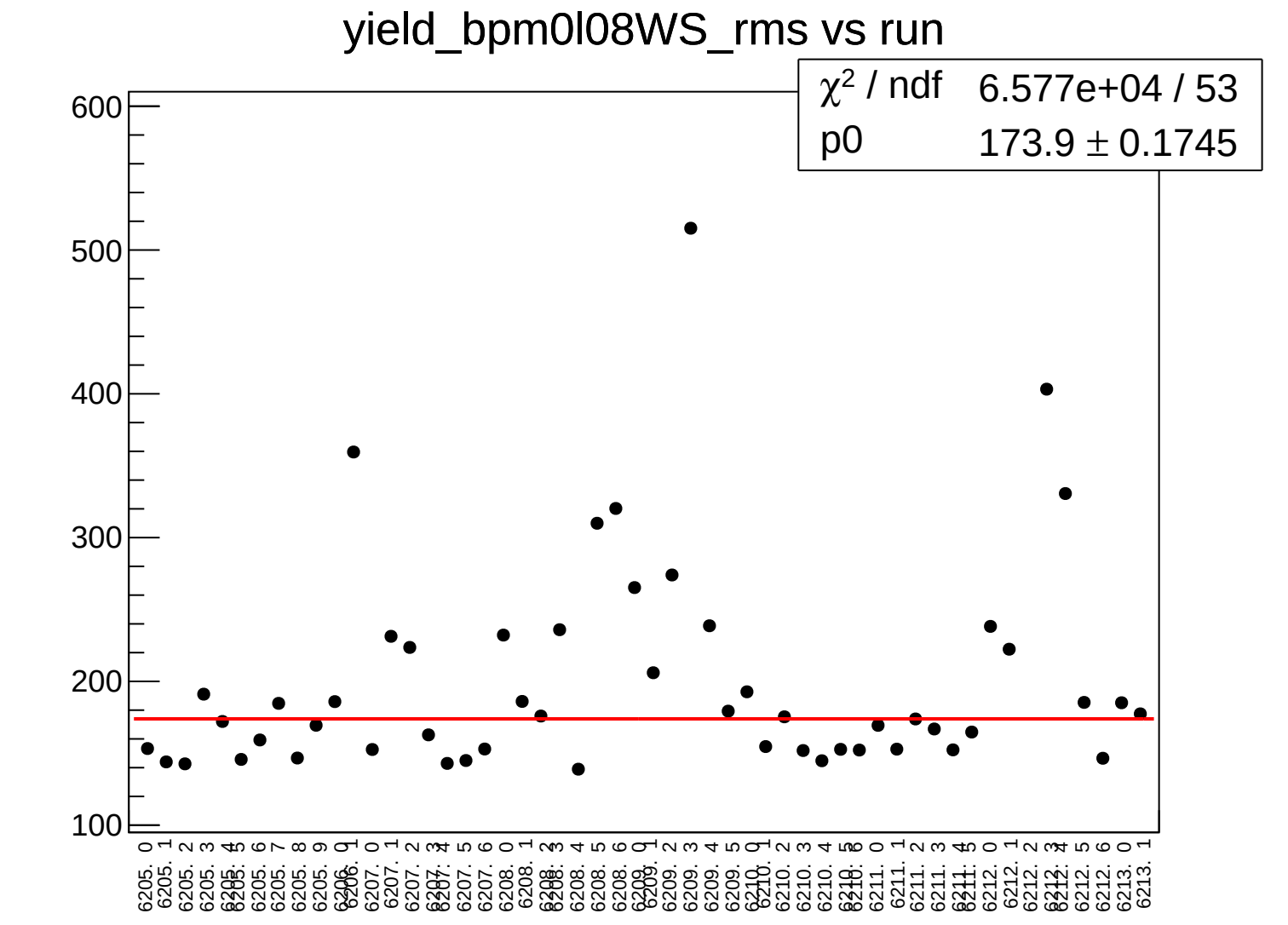

yield_bpm0l07WS_mean vs run
×10^3
χ² / ndf 1.299e+04 / 53
p0 1.433e+05 ± 0.2421
143.4
143.38
143.36
143.34
143.32
143.3
143.28
pull
Entries 54
Mean 113.4
Std Dev 0
40
30
20
10
0
−10
−20
−30

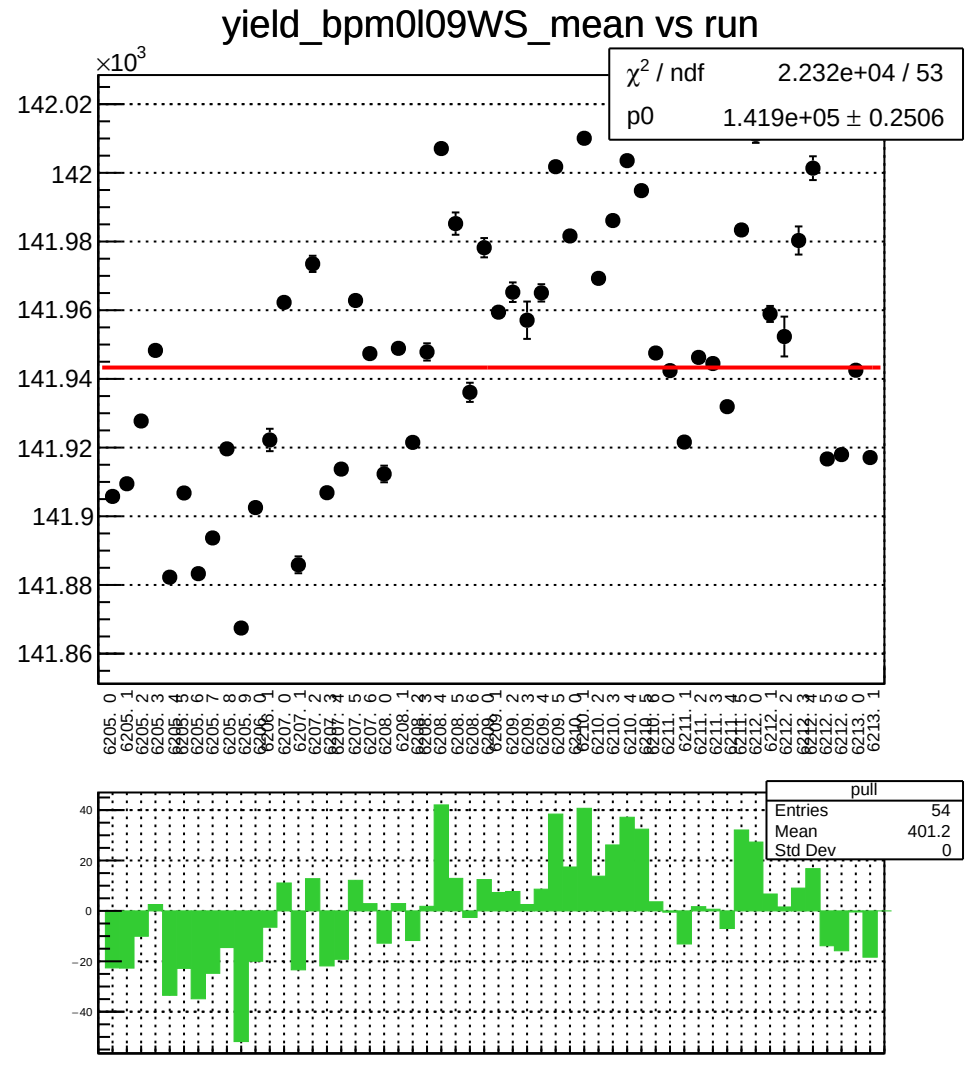

pull1D
Entries 54
Mean 0.2457
Std Dev 4.515
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

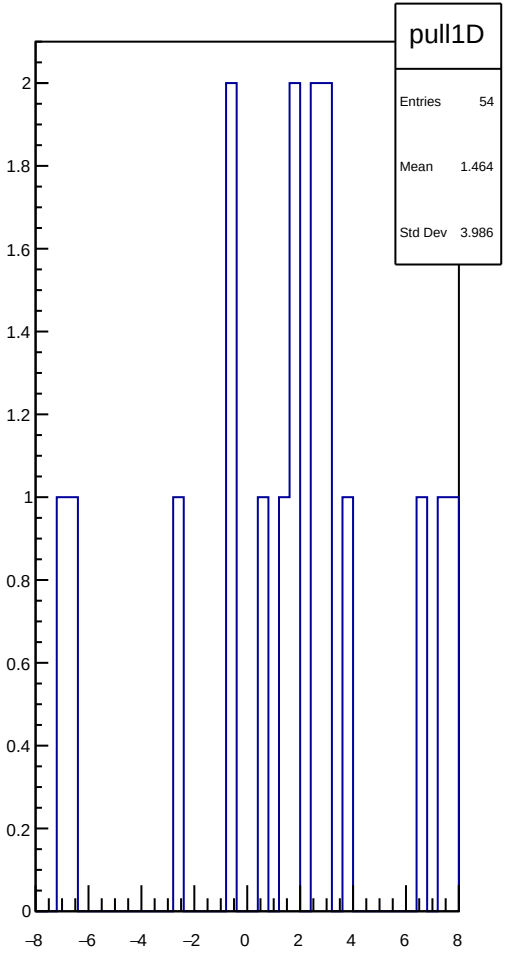

yield_bpm0l07WS_rms vs run
χ² / ndf 6.496e+04 / 53
p0 170.7 ± 0.1712
500
400
300
200
100
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

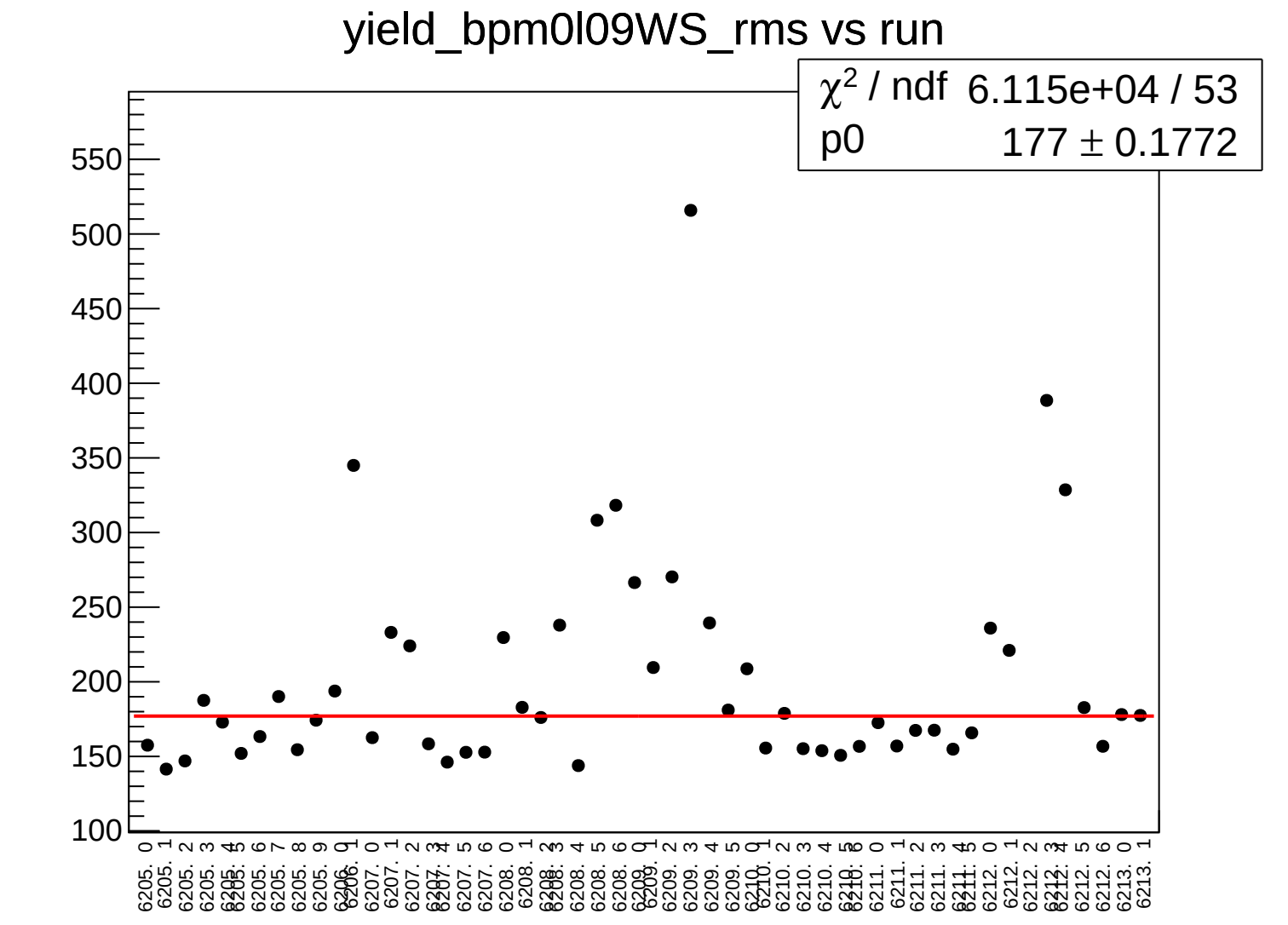

yield_bpm0l08WS_mean vs run
×10^3
χ² / ndf 3.868e+04 / 53
p0 1.465e+05 ± 0.2468
146.6
146.55
146.5
146.45
146.4
pull
Entries 54
Mean −819
Std Dev 0
60
40
20
0
−20
−40
−60
−80

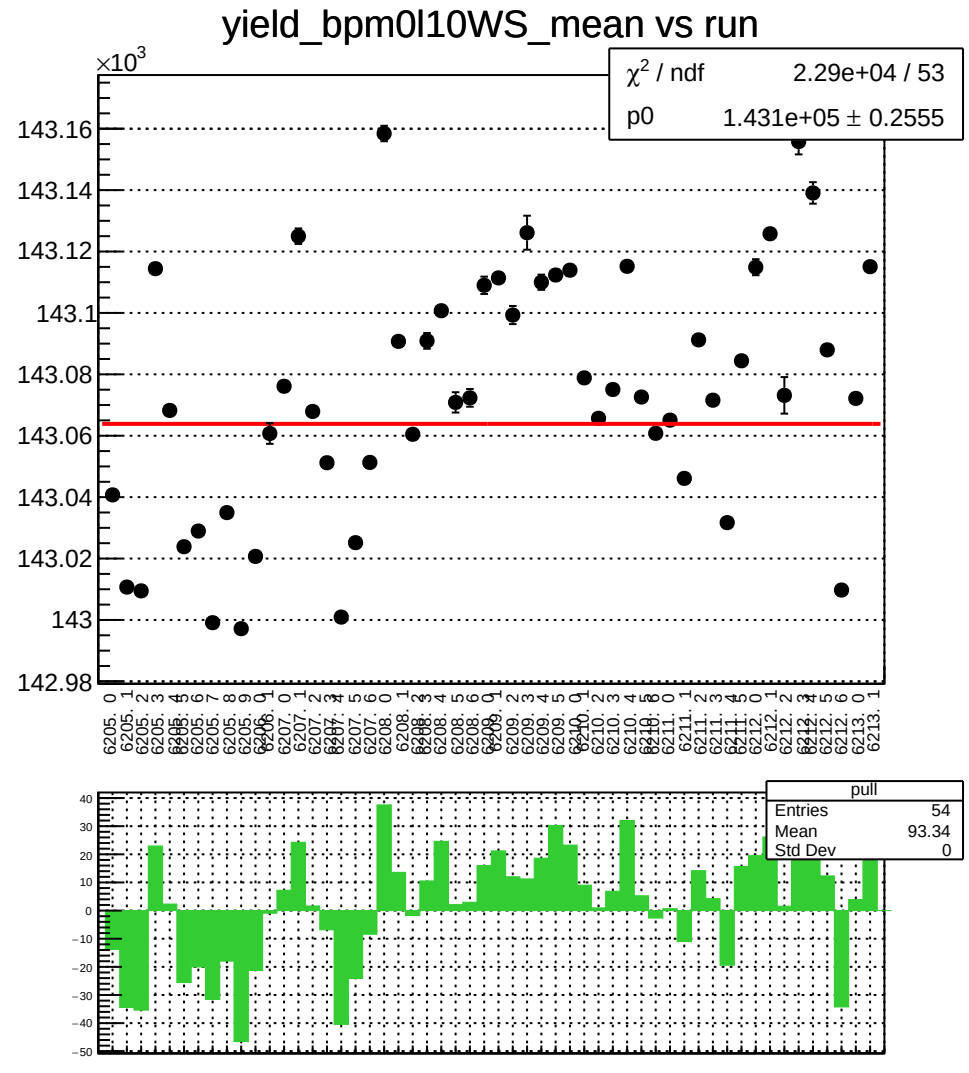

pull1D
Entries 54
Mean −0.001121
Std Dev 3.121
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

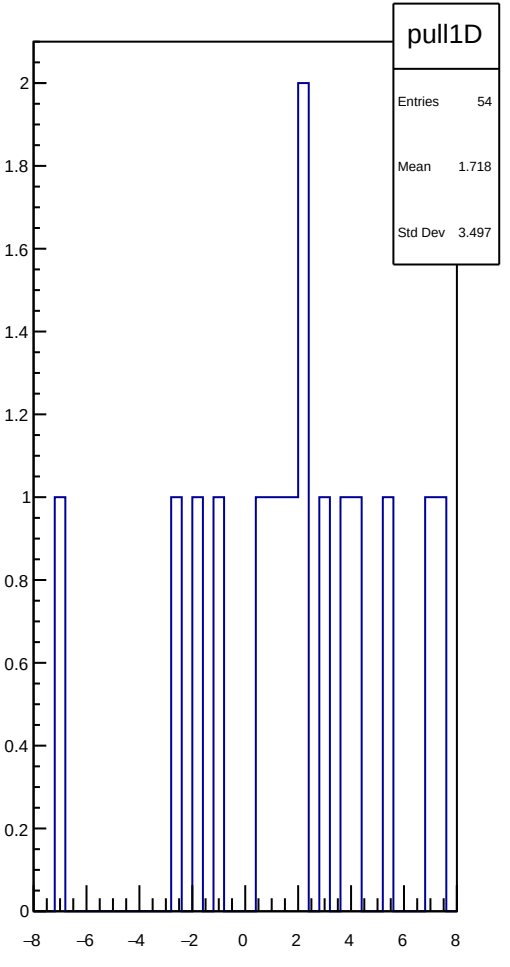

yield_bpm0l08WS_rms vs run
χ² / ndf 6.577e+04 / 53
p0 173.9 ± 0.1745
600
500
400
300
200
100
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

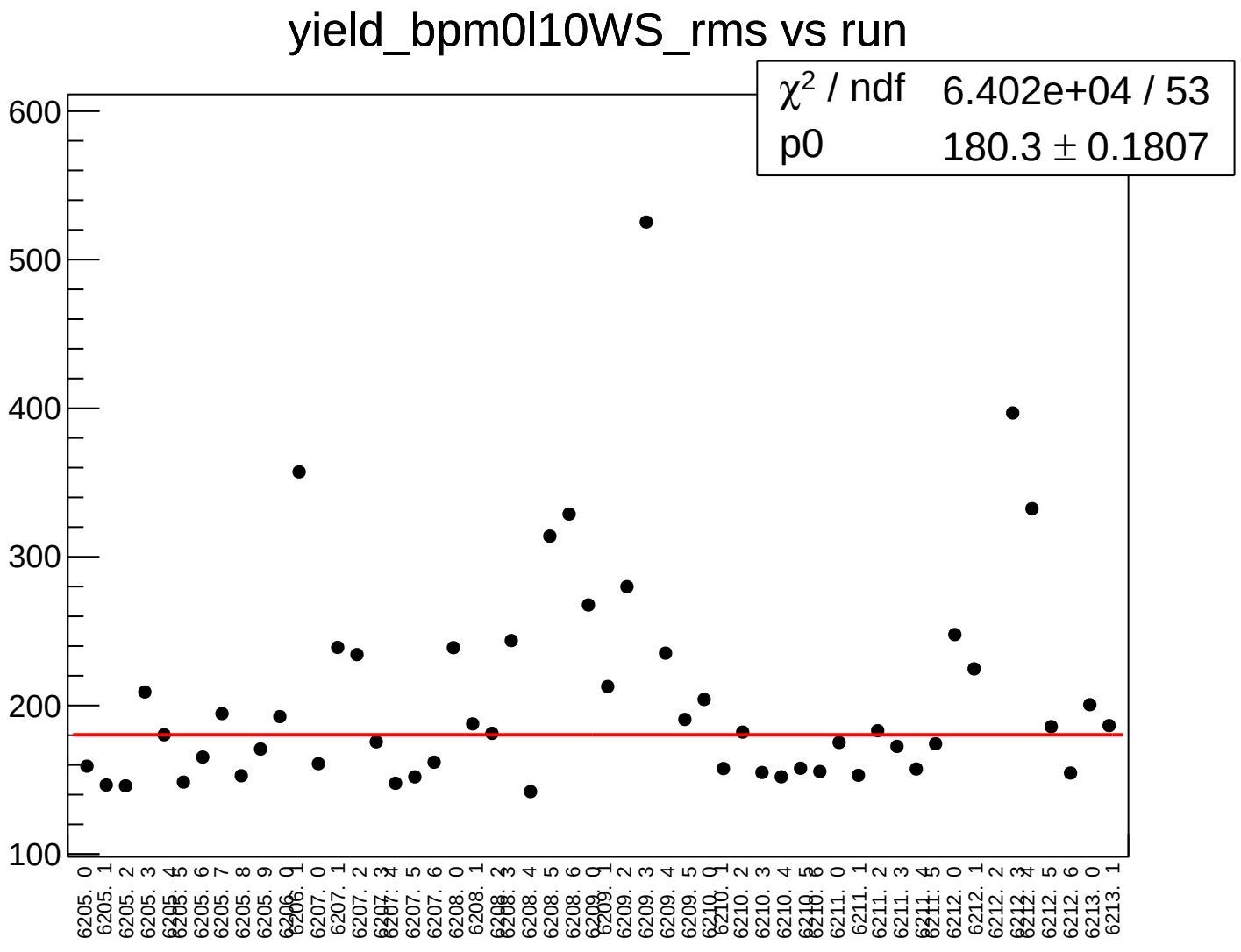

yield_bpm0l09WS_mean vs run
×10^3
χ² / ndf 2.232e+04 / 53
p0 1.419e+05 ± 0.2506
142.02
142
141.98
141.96
141.94
141.92
141.9
141.88
141.86
pull
Entries 54
Mean 401.2
Std Dev 0
40
20
0
−20
−40

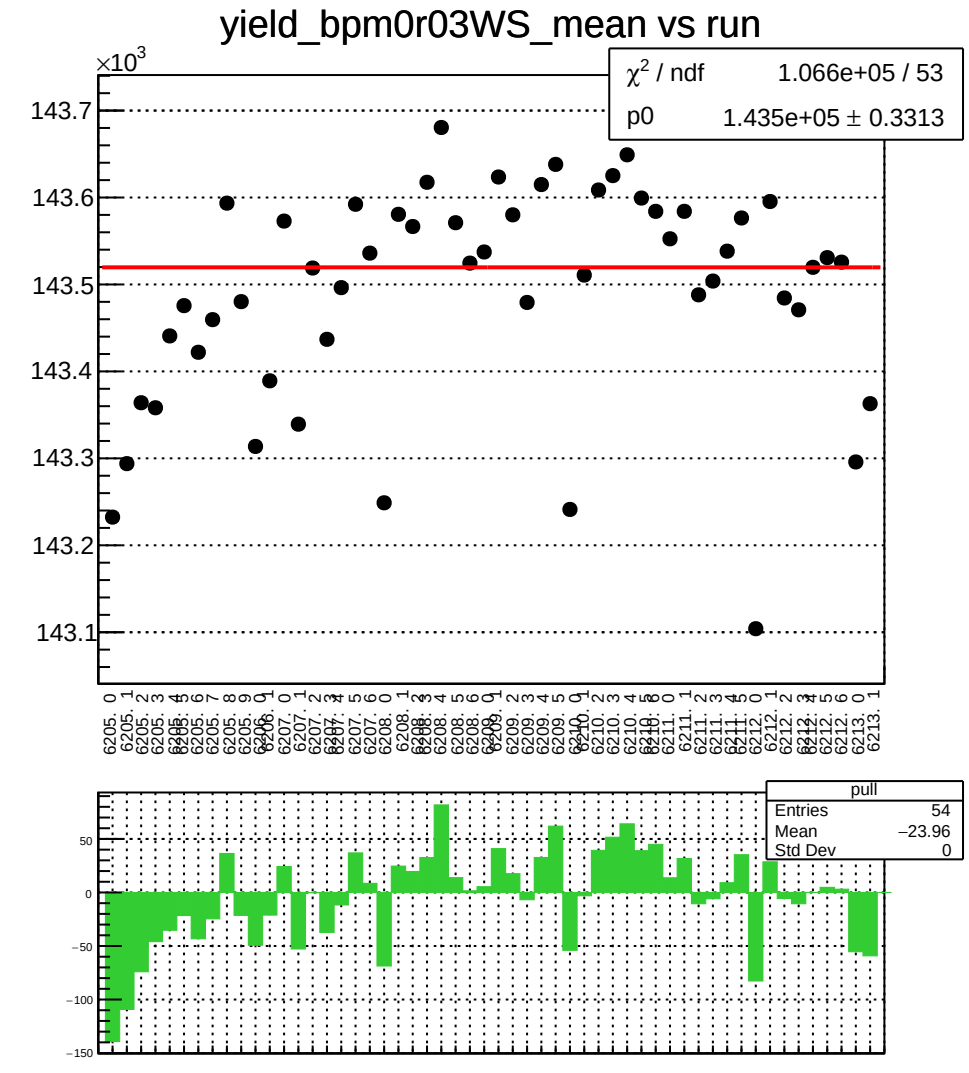

pull1D
Entries 54
Mean 1.464
Std Dev 3.986
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

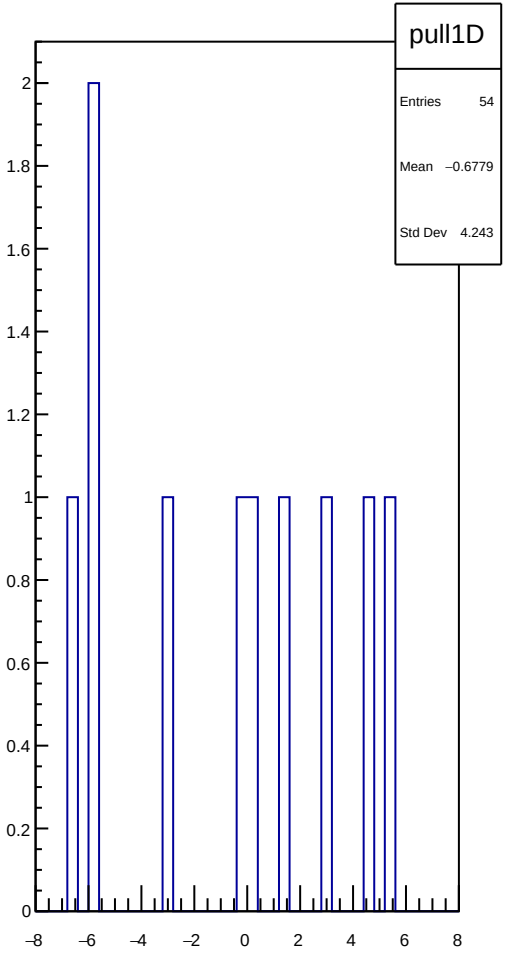

yield_bpm0l09WS_rms vs run
χ² / ndf 6.115e+04 / 53
p0 177 ± 0.1772
550
500
450
400
350
300
250
200
150
100
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 1
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

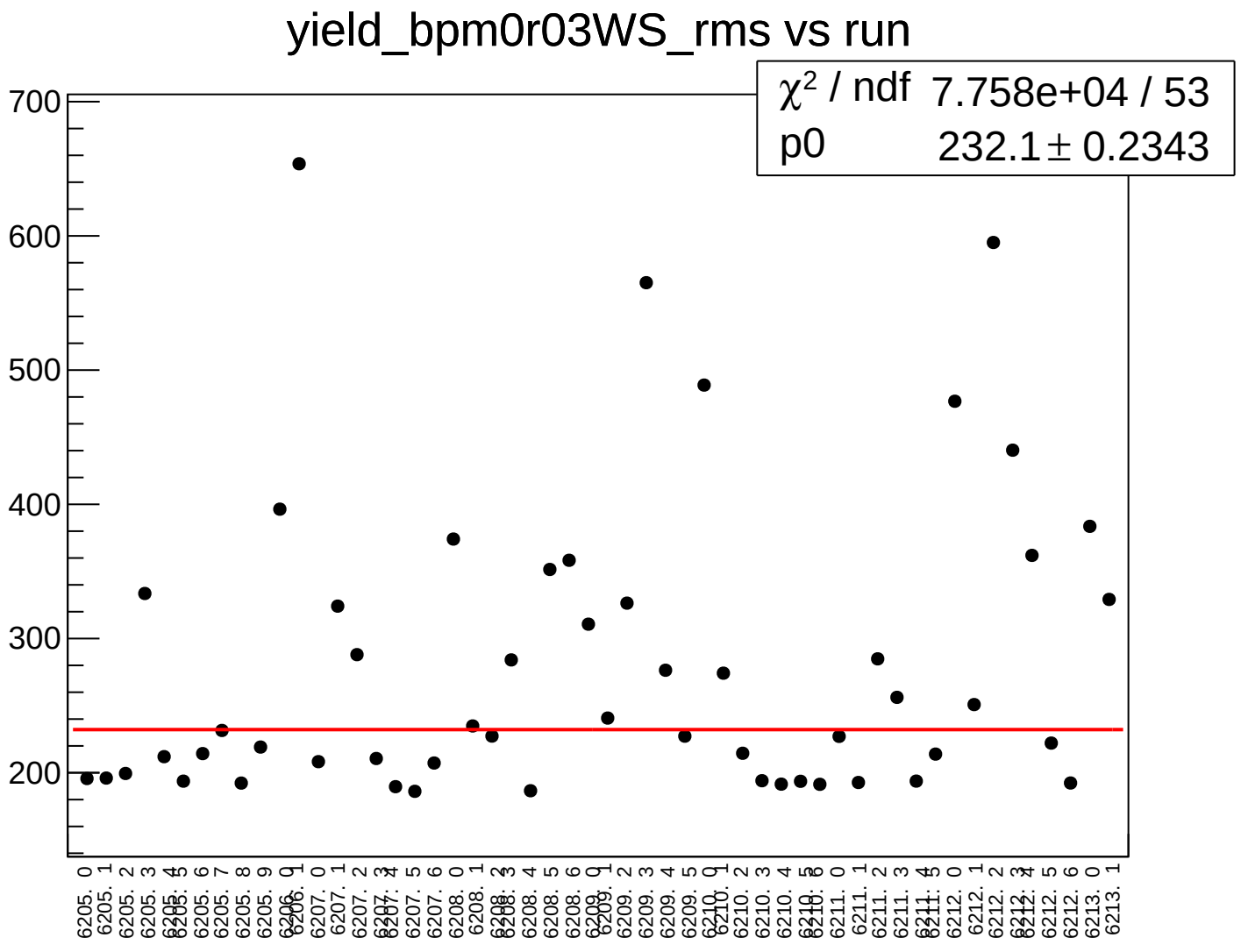

yield_bpm0l10WS_mean vs run
×10^3
χ² / ndf 2.29e+04 / 53
p0 1.431e+05 ± 0.2555
143.16
143.14
143.12
143.1
143.08
143.06
143.04
143.02
143
142.98
pull
Entries 54
Mean 93.34
Std Dev 0
40
30
20
10
0
−10
−20
−30
−40
−50

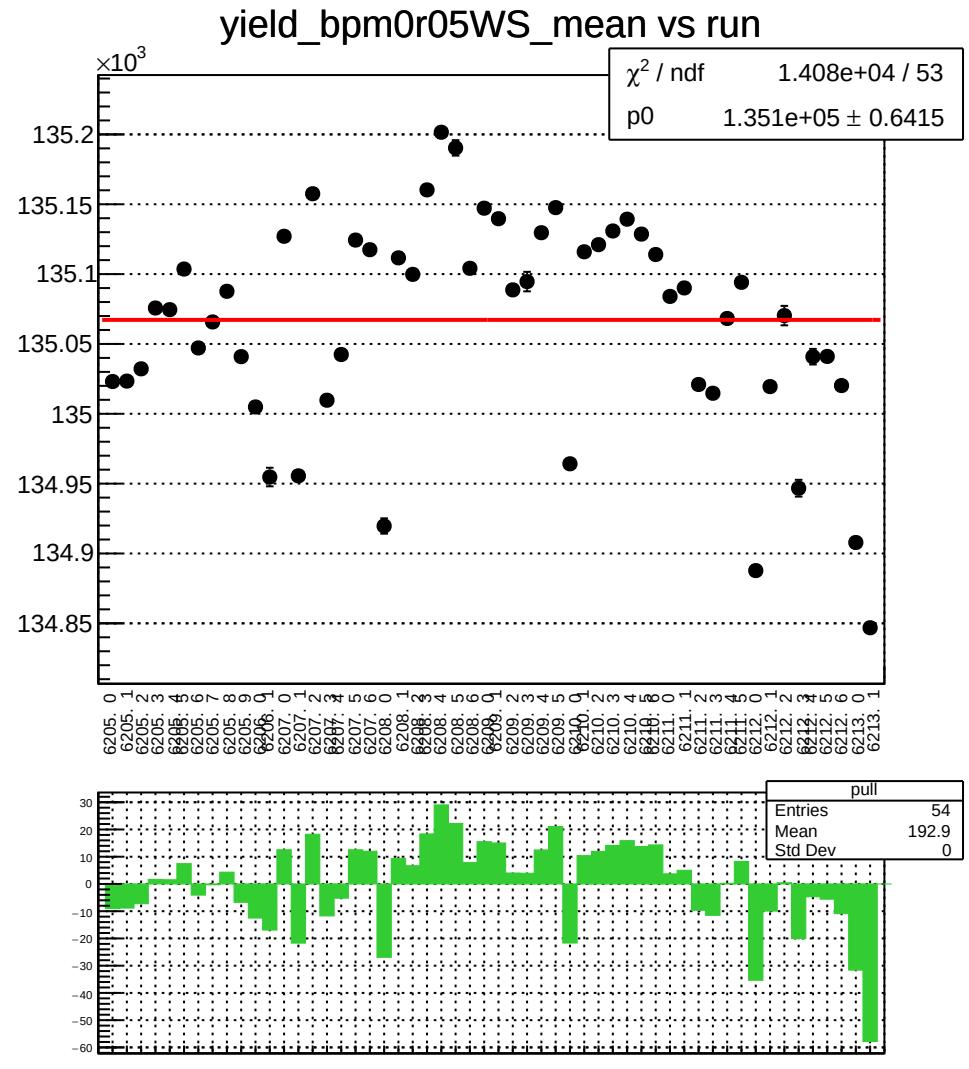

pull1D
Entries 54
Mean 1.718
Std Dev 3.497
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

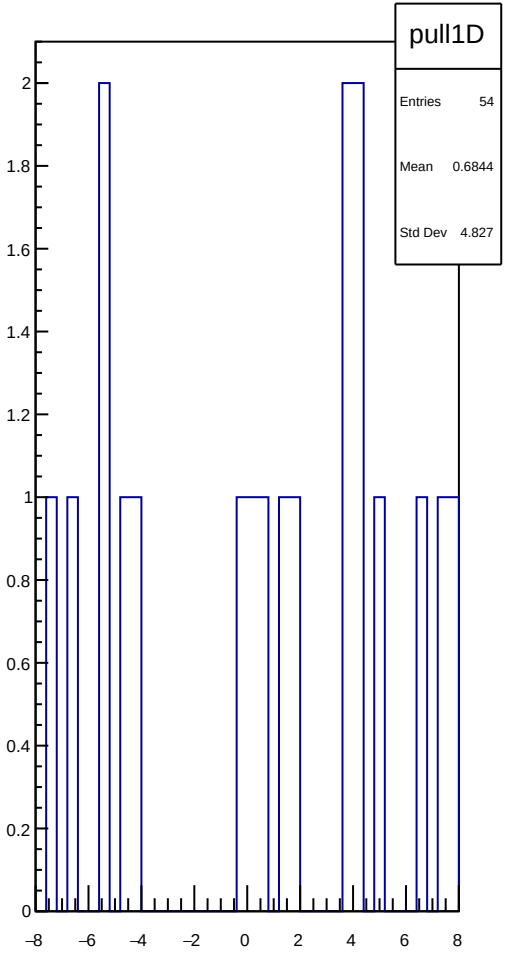

yield_bpm0l10WS_rms vs run
χ² / ndf 6.402e+04 / 53
p0 180.3 ± 0.1807
600
500
400
300
200
100
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6207. 0
6207. 1
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 1
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

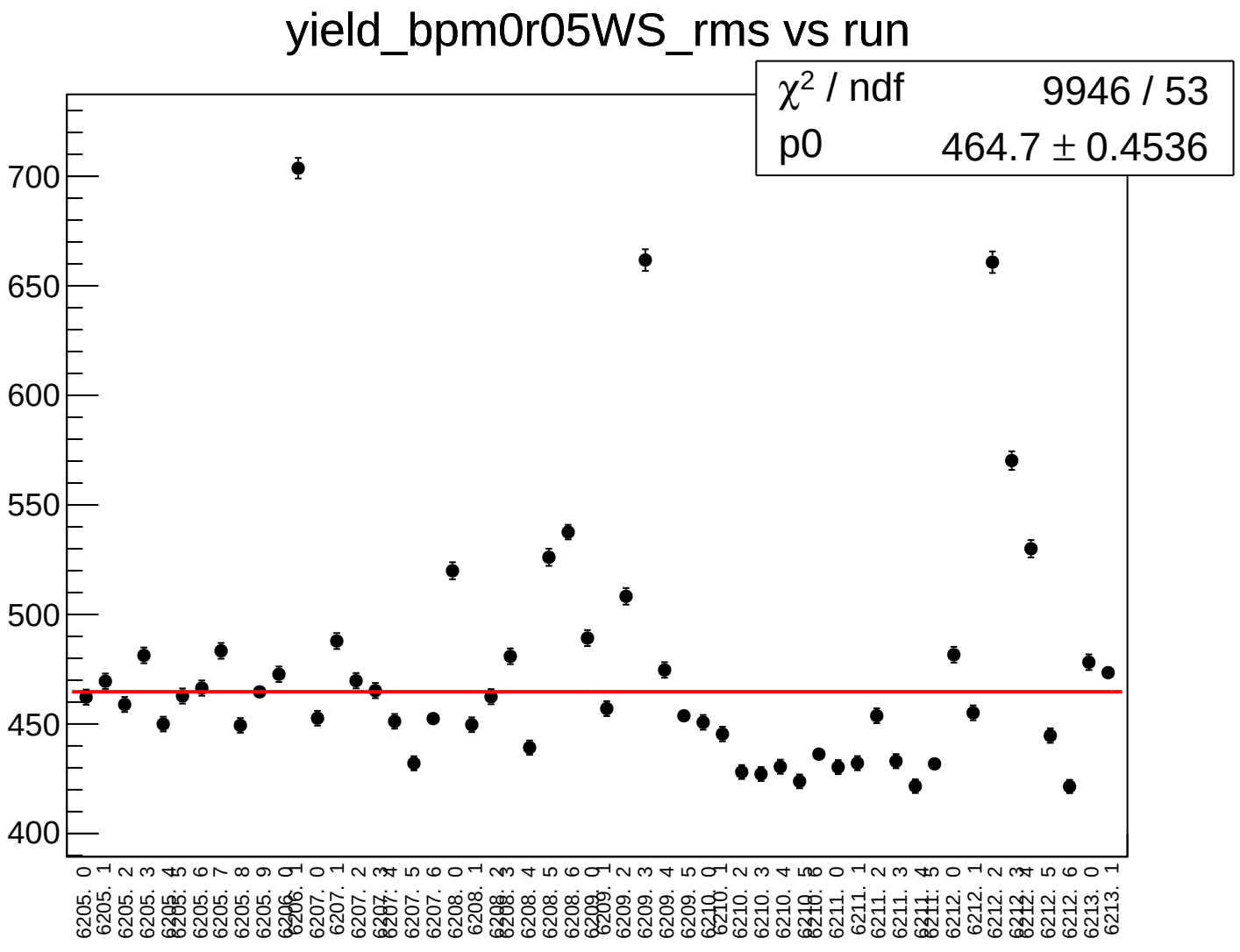

yield_bpm0r03WS_mean vs run
×10^3
143.7
143.6
143.5
143.4
143.3
143.2
143.1
χ² / ndf 1.066e+05 / 53
p0 1.435e+05 ± 0.3313
pull
Entries 54
Mean −23.96
Std Dev 0
50
0
−50
−100
−150

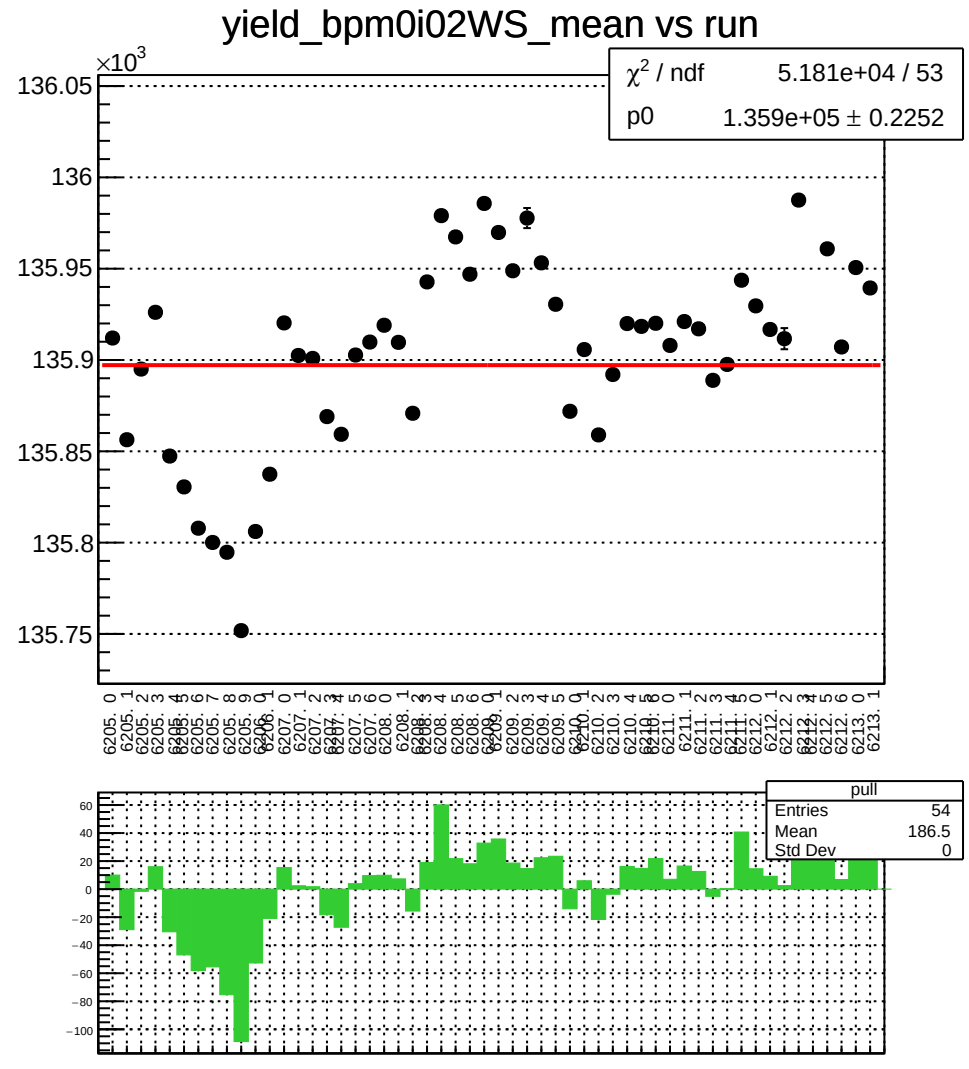

pull1D
Entries 54
Mean −0.6779
Std Dev 4.243
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

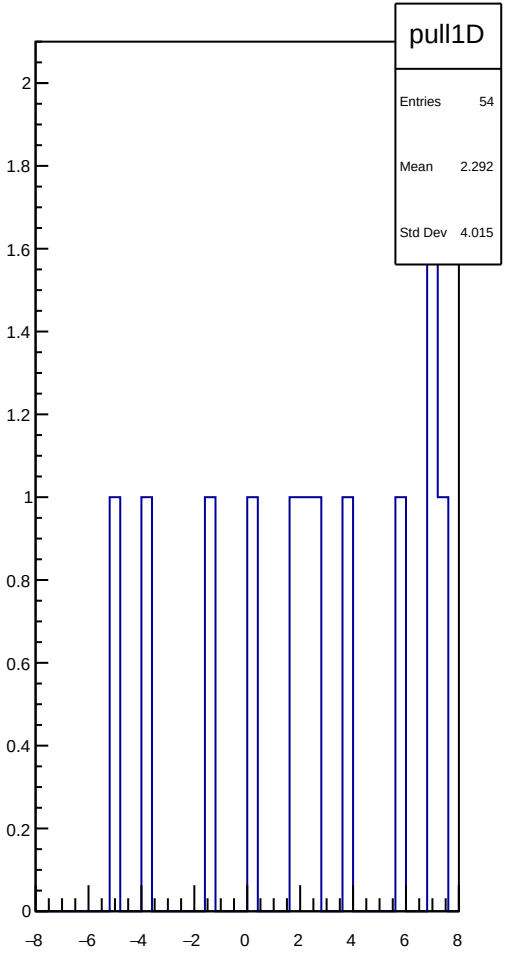

yield_bpm0r03WS_rms vs run
χ² / ndf 7.758e+04 / 53
p0 232.1 ± 0.2343
700
600
500
400
300
200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

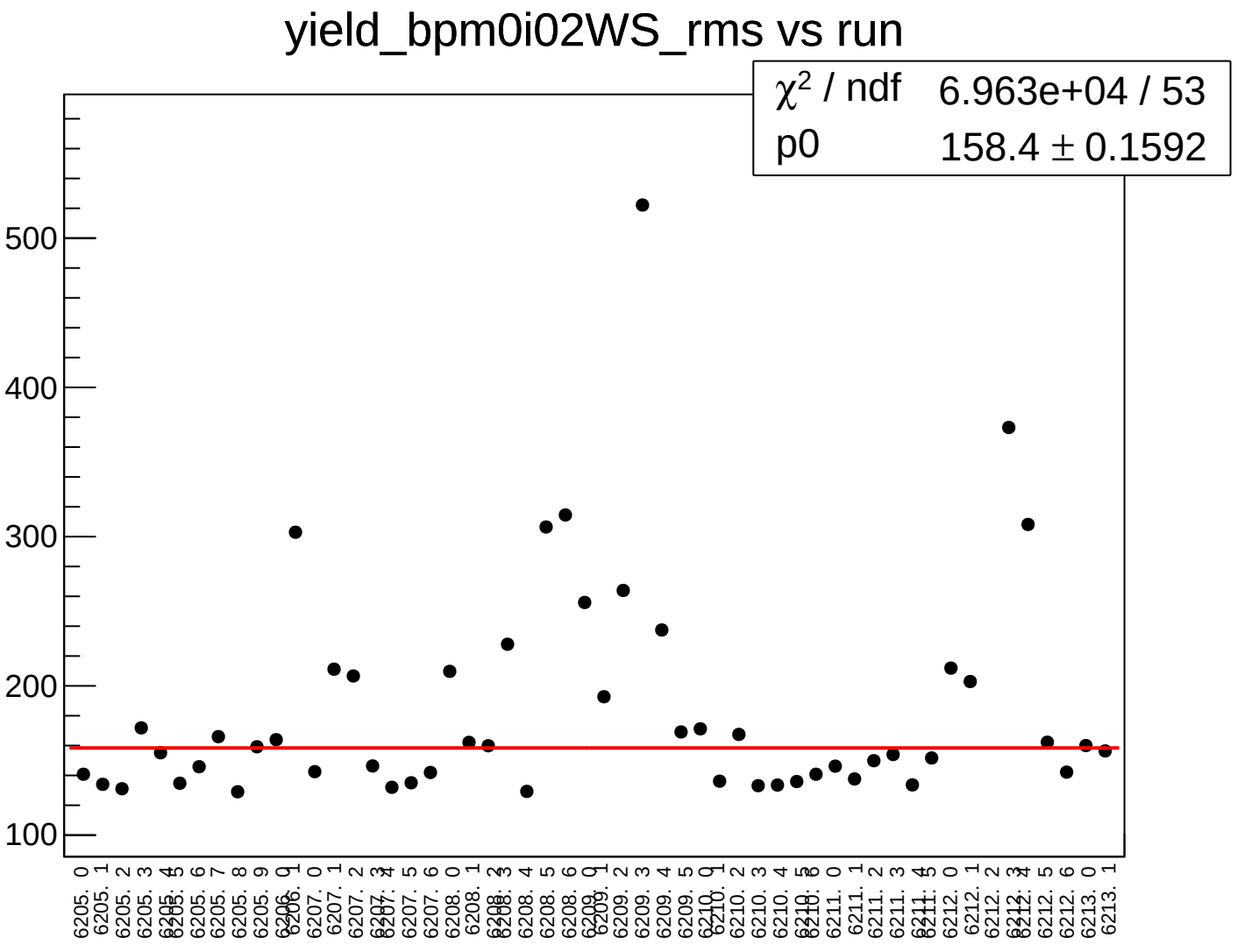

yield_bpm0r05WS_mean vs run
×10^3
χ² / ndf 1.408e+04 / 53
p0 1.351e+05 ± 0.6415
135.2
135.15
135.1
135.05
135
134.95
134.9
134.85
pull
Entries 54
Mean 192.9
Std Dev 0
30
20
10
0
−10
−20
−30
−40
−50
−60

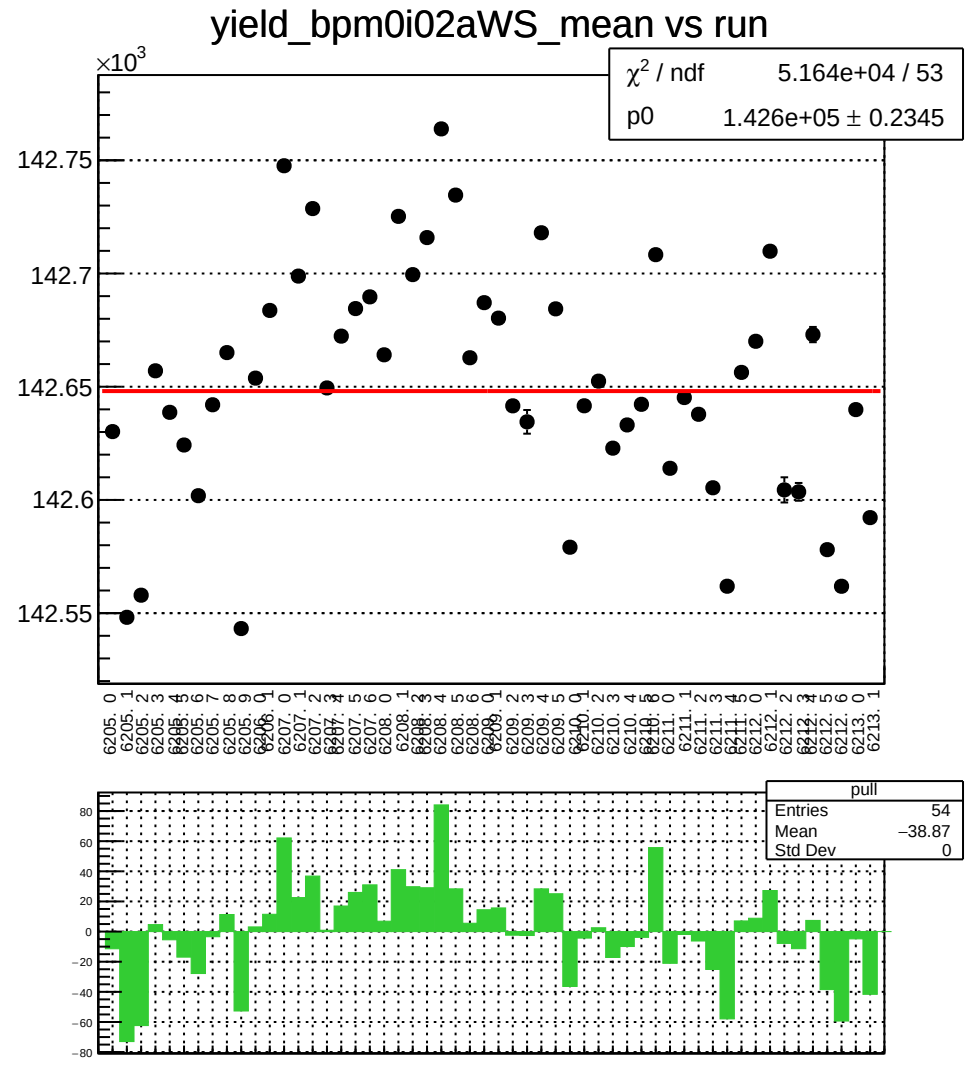

pull1D
Entries 54
Mean 0.6844
Std Dev 4.827
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

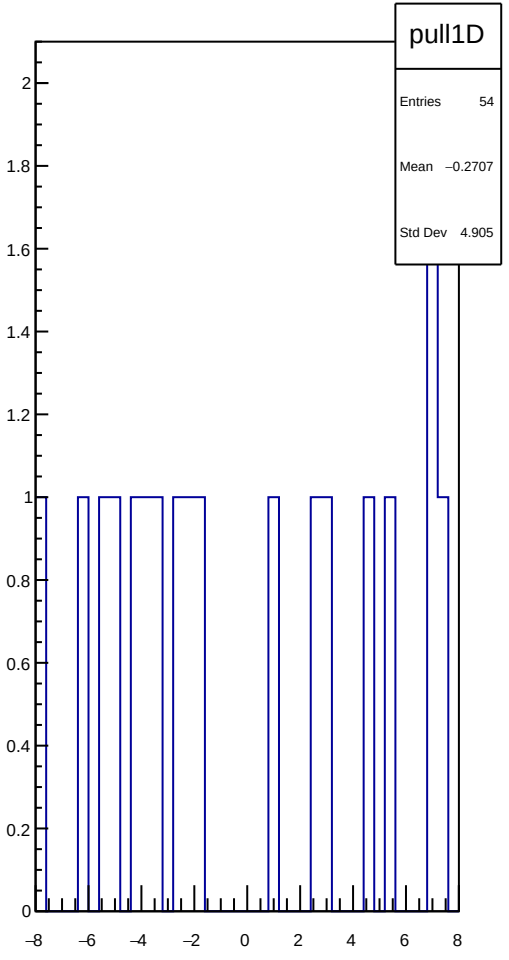

yield_bpm0r05WS_rms vs run
χ² / ndf 9946 / 53
p0 464.7 ± 0.4536
700
650
600
550
500
450
400
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

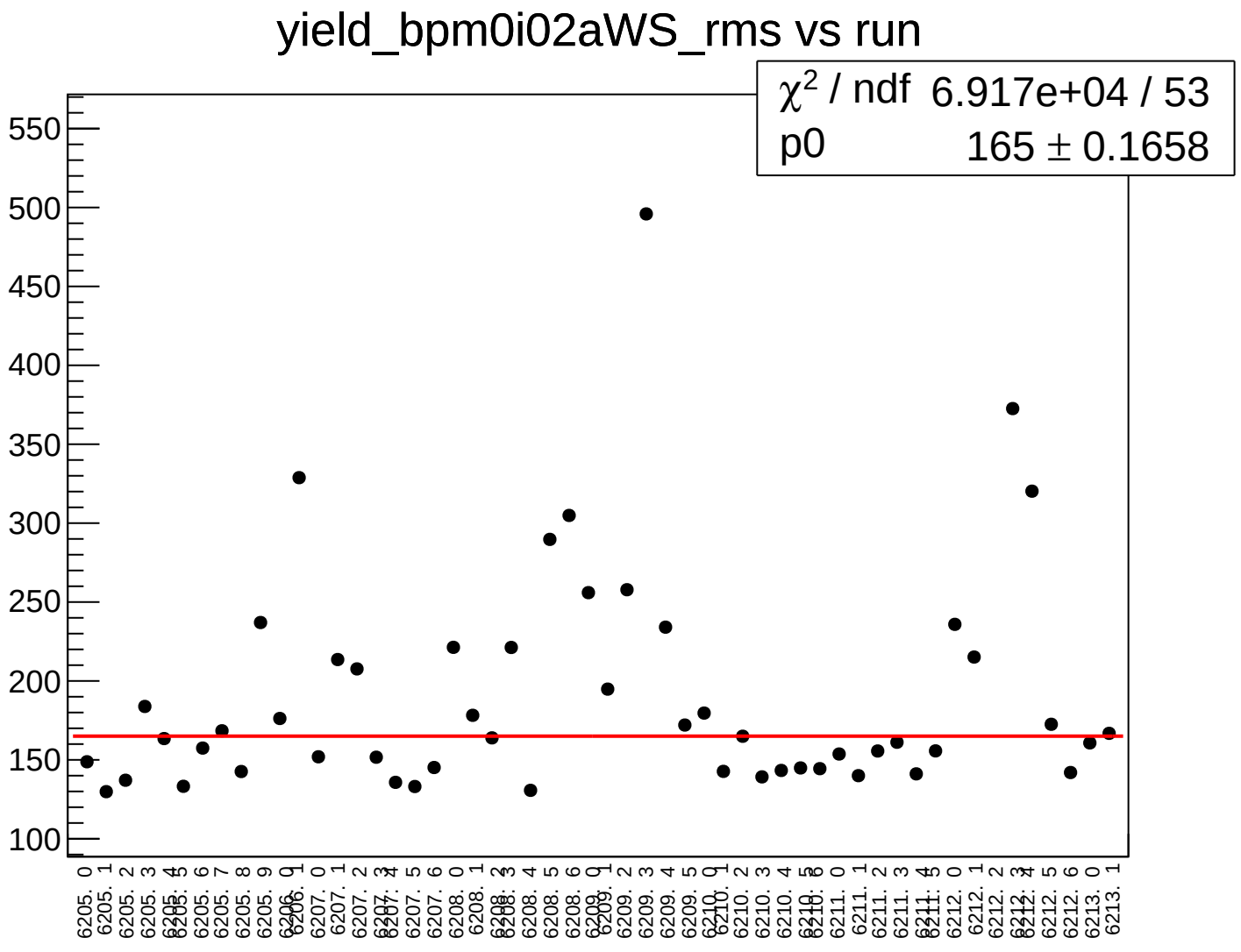

yield_bpm0i02WS_mean vs run
×10^3
χ² / ndf 5.181e+04 / 53
p0 1.359e+05 ± 0.2252
136.05
136
135.95
135.9
135.85
135.8
135.75
pull
Entries 54
Mean 186.5
Std Dev 0
60
40
20
0
−20
−40
−60
−80
−100

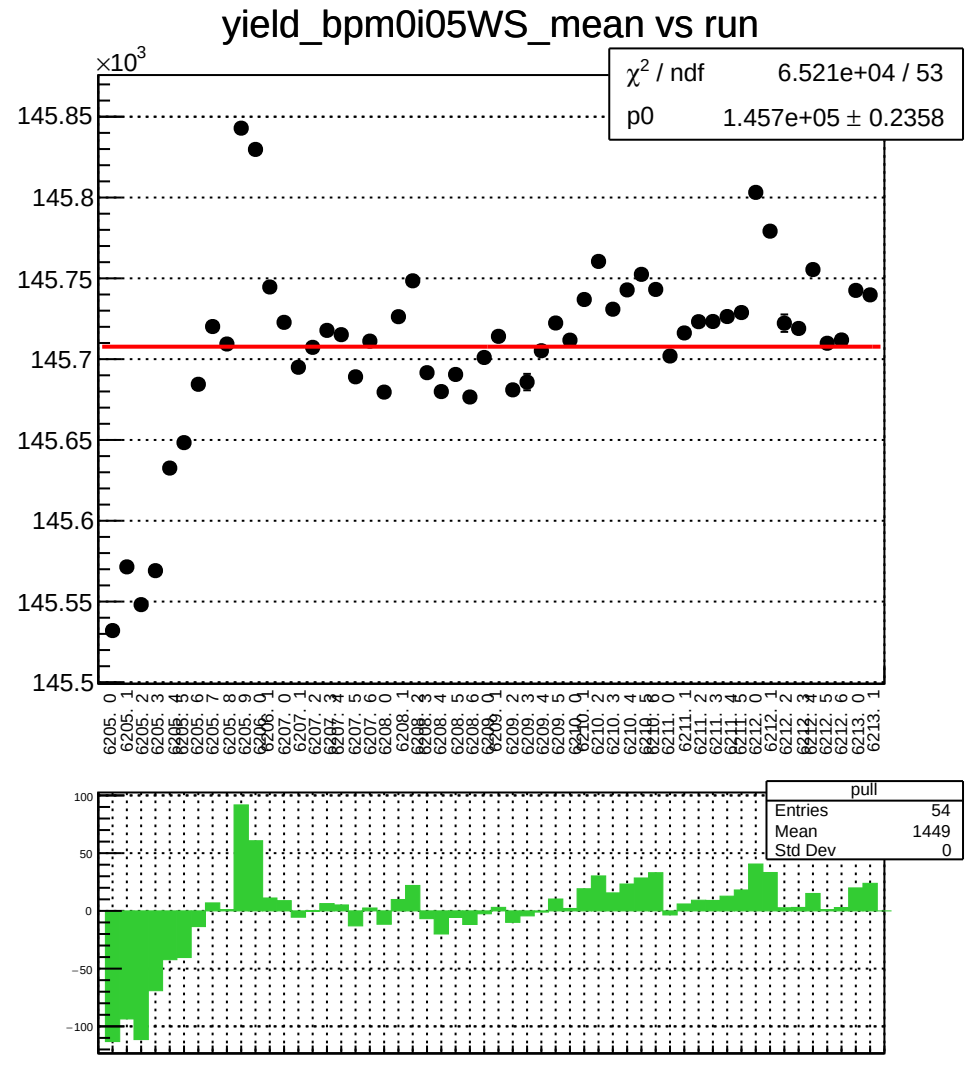

pull1D
Entries 54
Mean 2.292
Std Dev 4.015
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

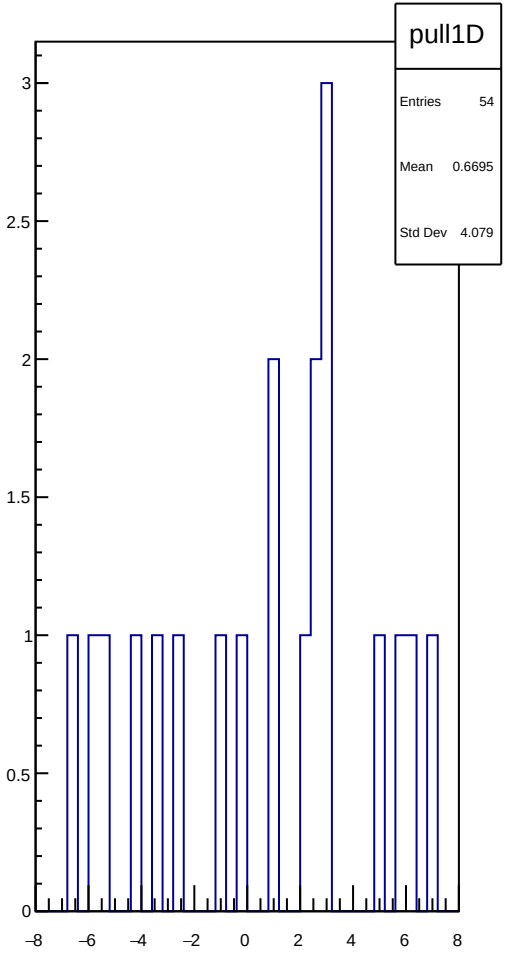

yield_bpm0i02WS_rms vs run
χ² / ndf 6.963e+04 / 53
p0 158.4 ± 0.1592
500
400
300
200
100
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 1
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

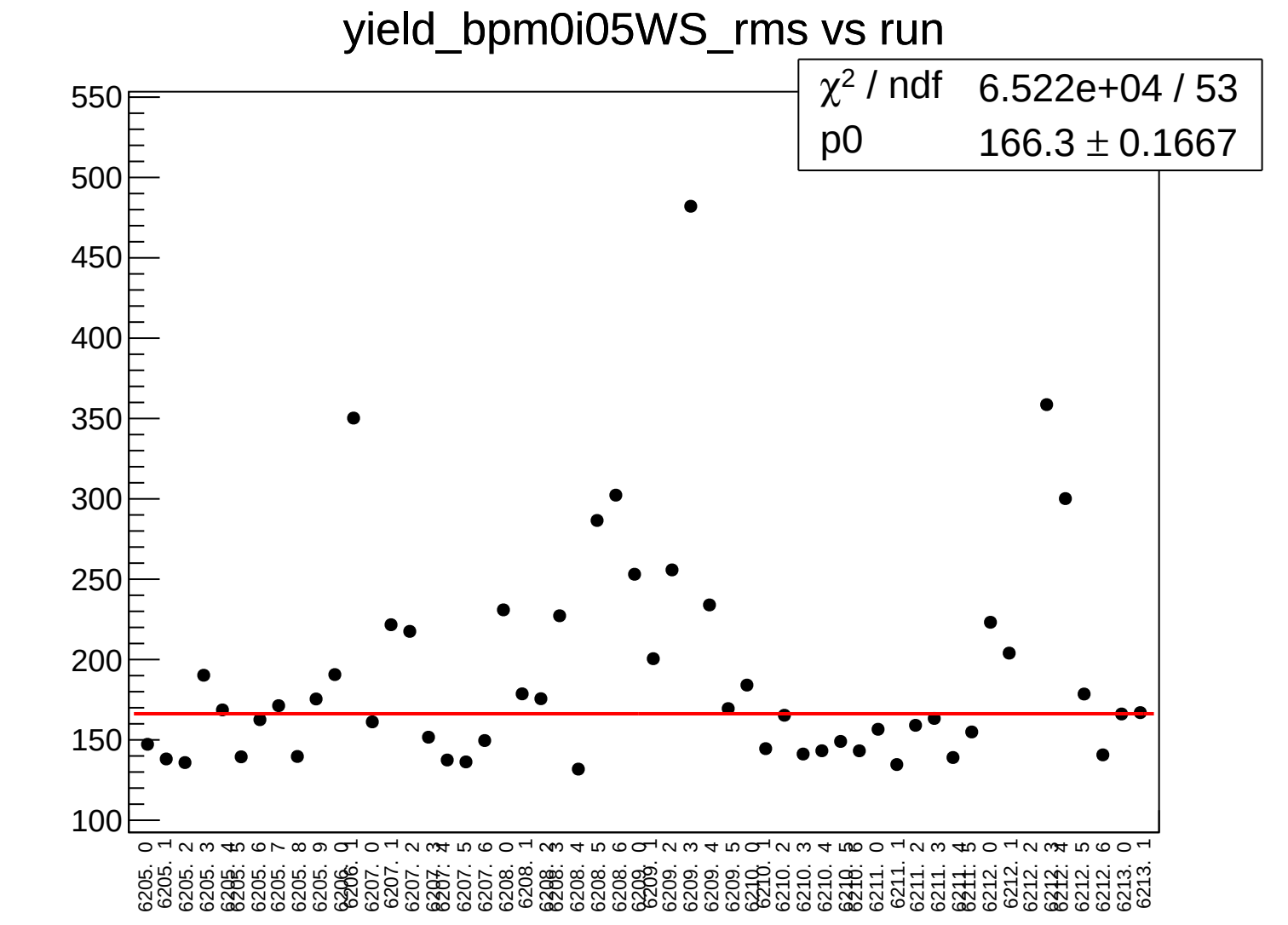

yield_bpm0i02aWS_mean vs run
×10^3
χ² / ndf 5.164e+04 / 53
p0 1.426e+05 ± 0.2345
142.75
142.7
142.65
142.6
142.55
pull
Entries 54
Mean −38.87
Std Dev 0

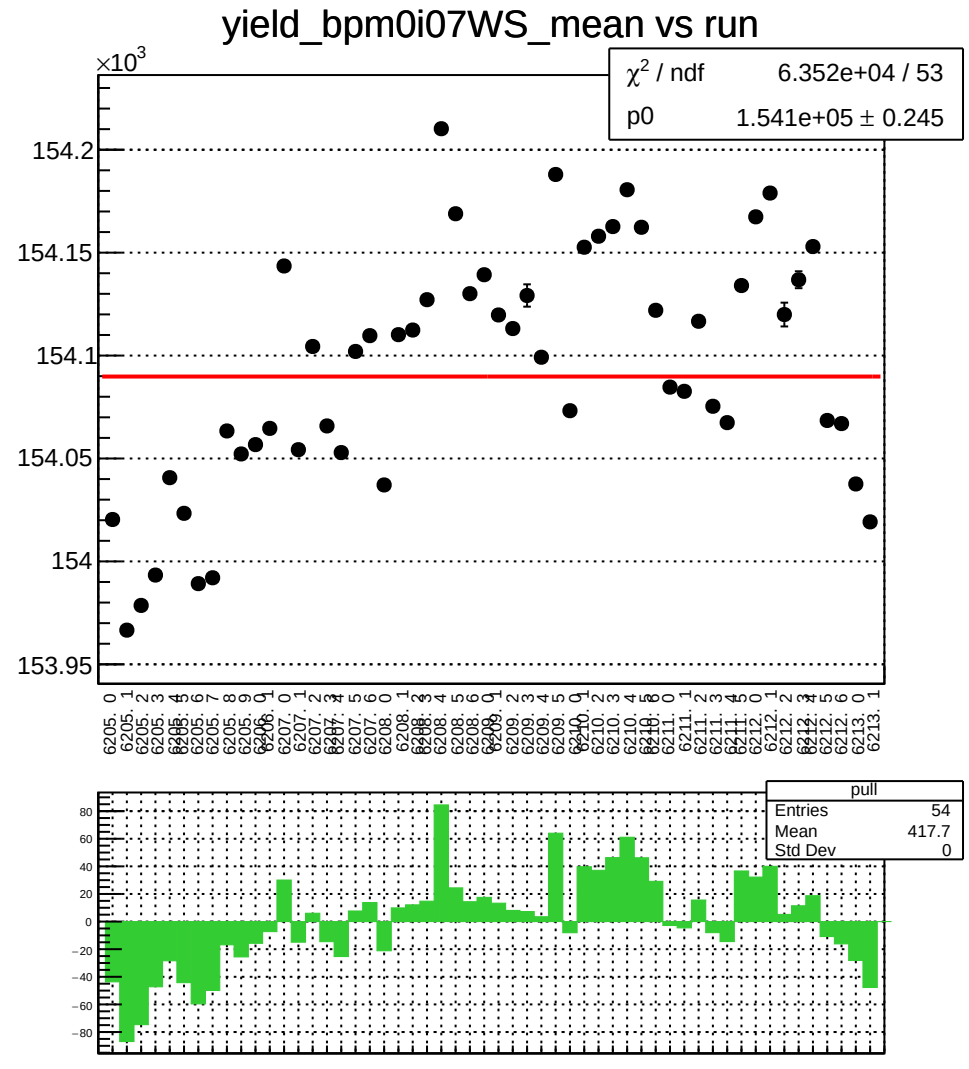

pull1D
Entries 54
Mean −0.2707
Std Dev 4.905

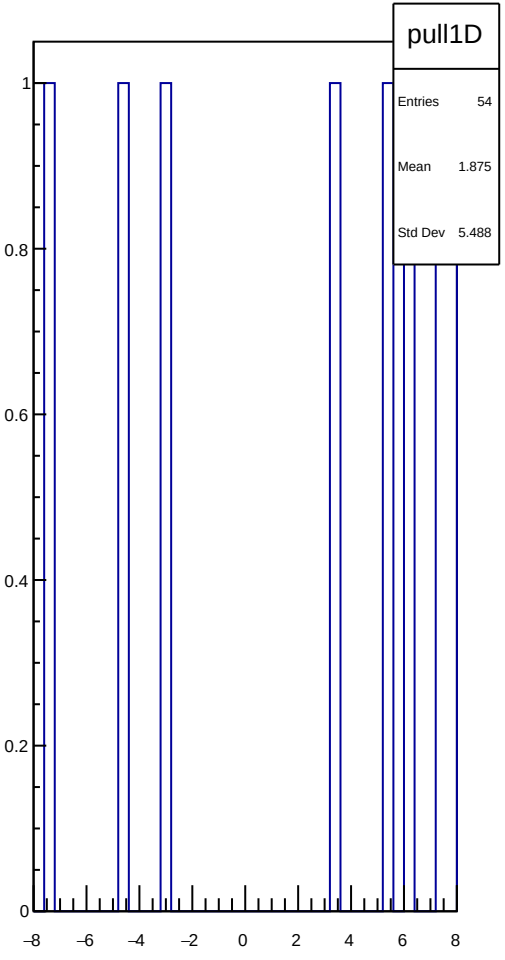

yield_bpm0i02aWS_rms vs run
χ² / ndf 6.917e+04 / 53
p0 165 ± 0.1658
550
500
450
400
350
300
250
200
150
100
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 1
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

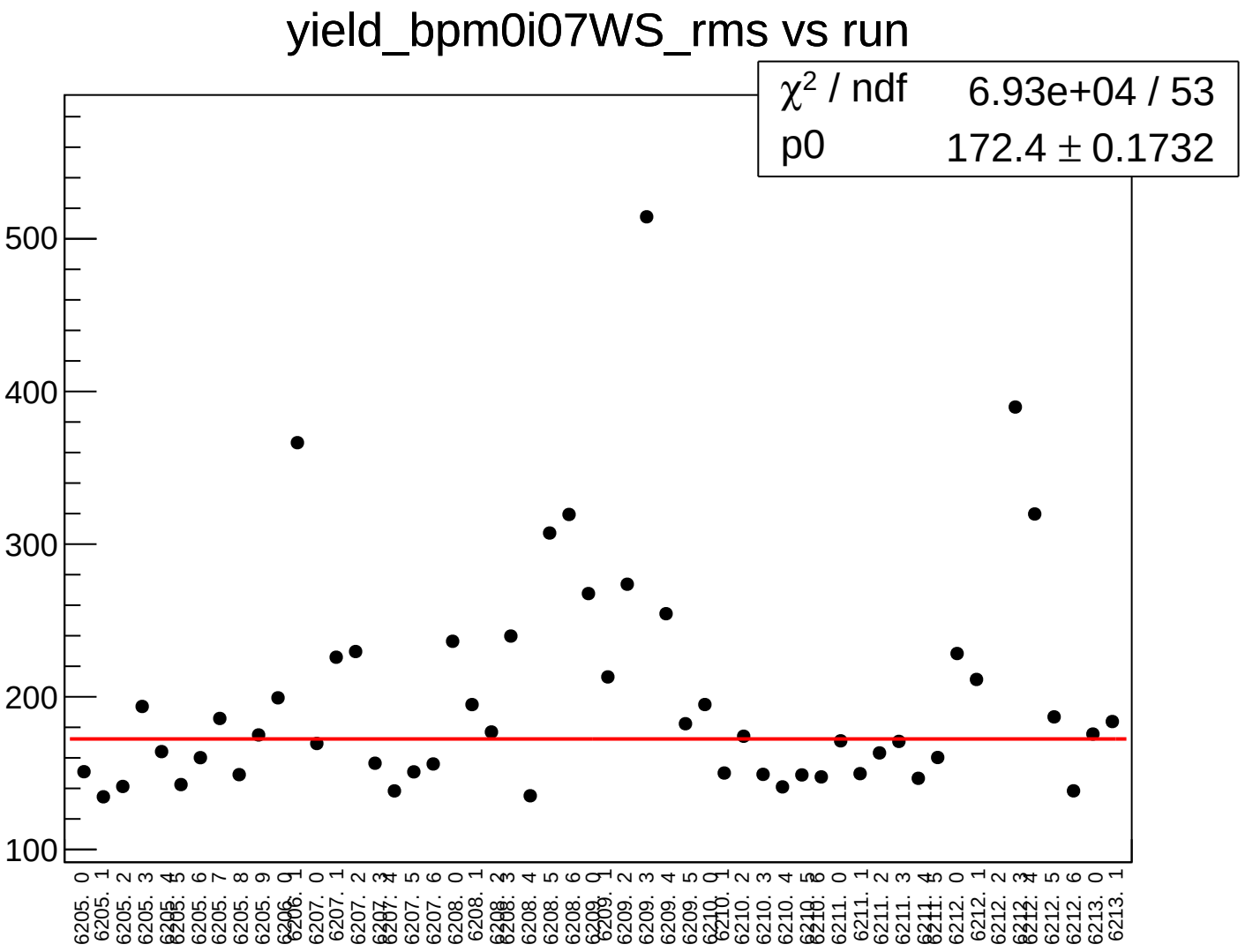

yield_bpm0i05WS_mean vs run
×10^3
χ^2 / ndf 6.521e+04 / 53
p0 1.457e+05 ± 0.2358
145.85
145.8
145.75
145.7
145.65
145.6
145.55
145.5
pull
Entries 54
Mean 1449
Std Dev 0
100
50
0
−50
−100

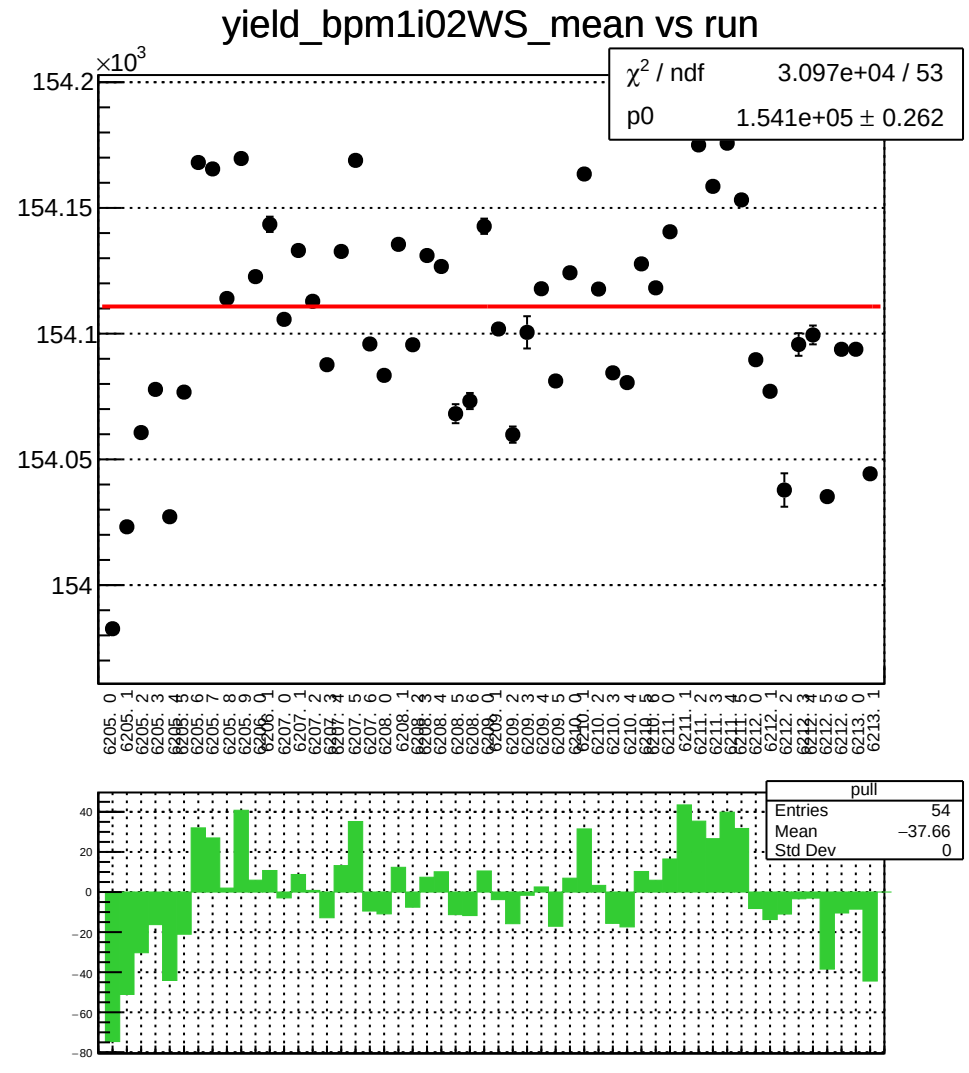

pull1D
Entries 54
Mean 0.6695
Std Dev 4.079
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

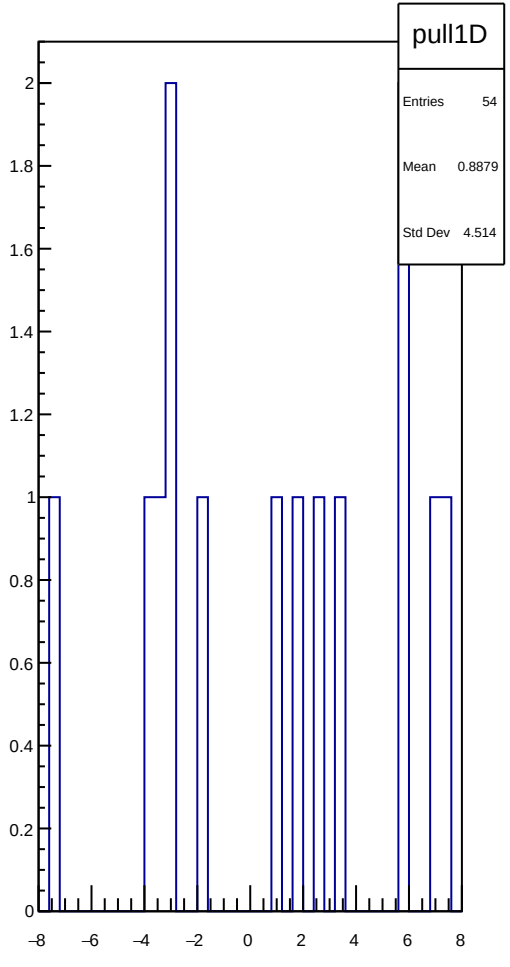

yield_bpm0i05WS_rms vs run
χ² / ndf 6.522e+04 / 53
p0 166.3 ± 0.1667
550
500
450
400
350
300
250
200
150
100
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

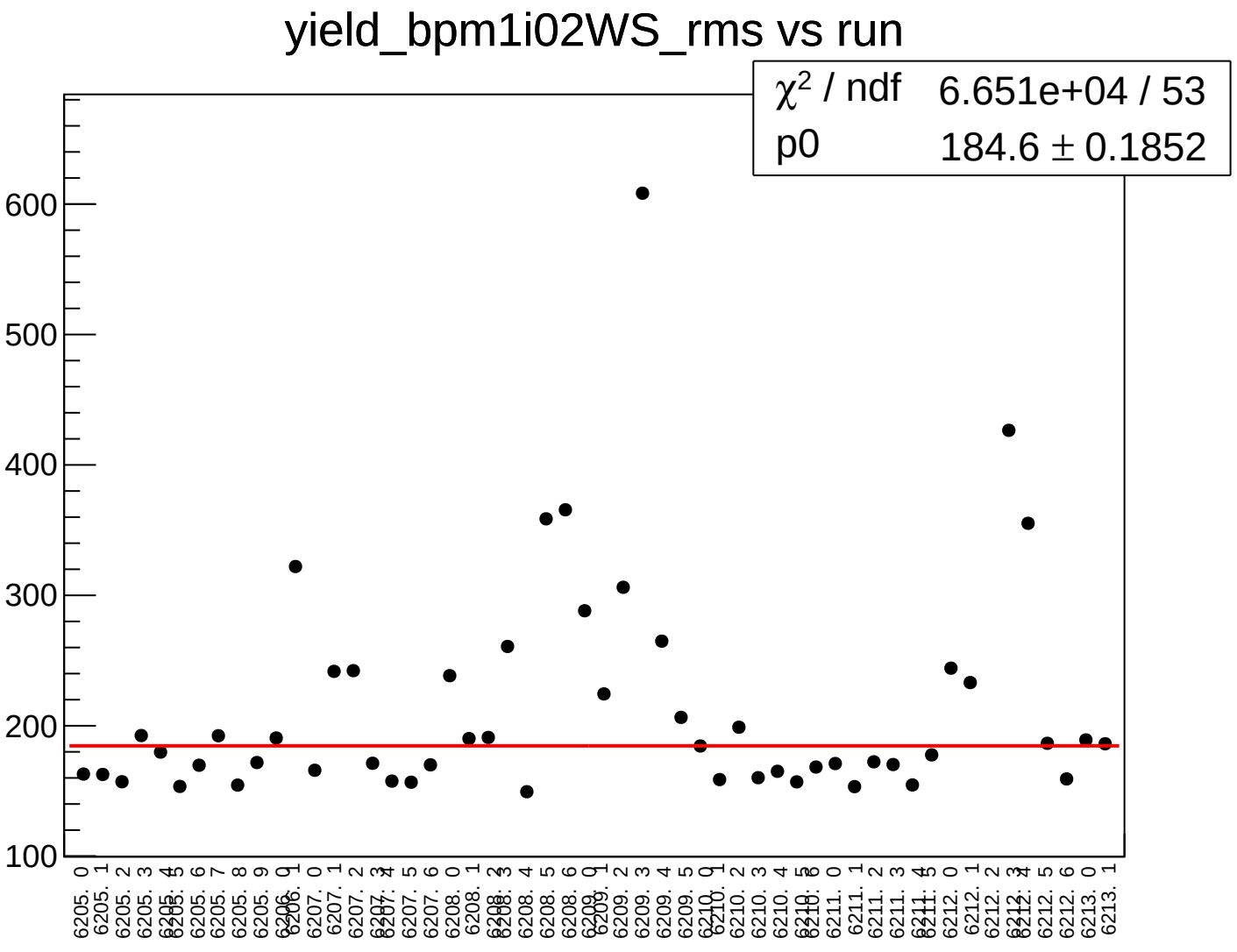

yield_bpm0i07WS_mean vs run
×10^3
χ² / ndf 6.352e+04 / 53
p0 1.541e+05 ± 0.245
154.2
154.15
154.1
154.05
154
153.95
pull
Entries 54
Mean 417.7
Std Dev 0
80
60
40
20
0
−20
−40
−60
−80

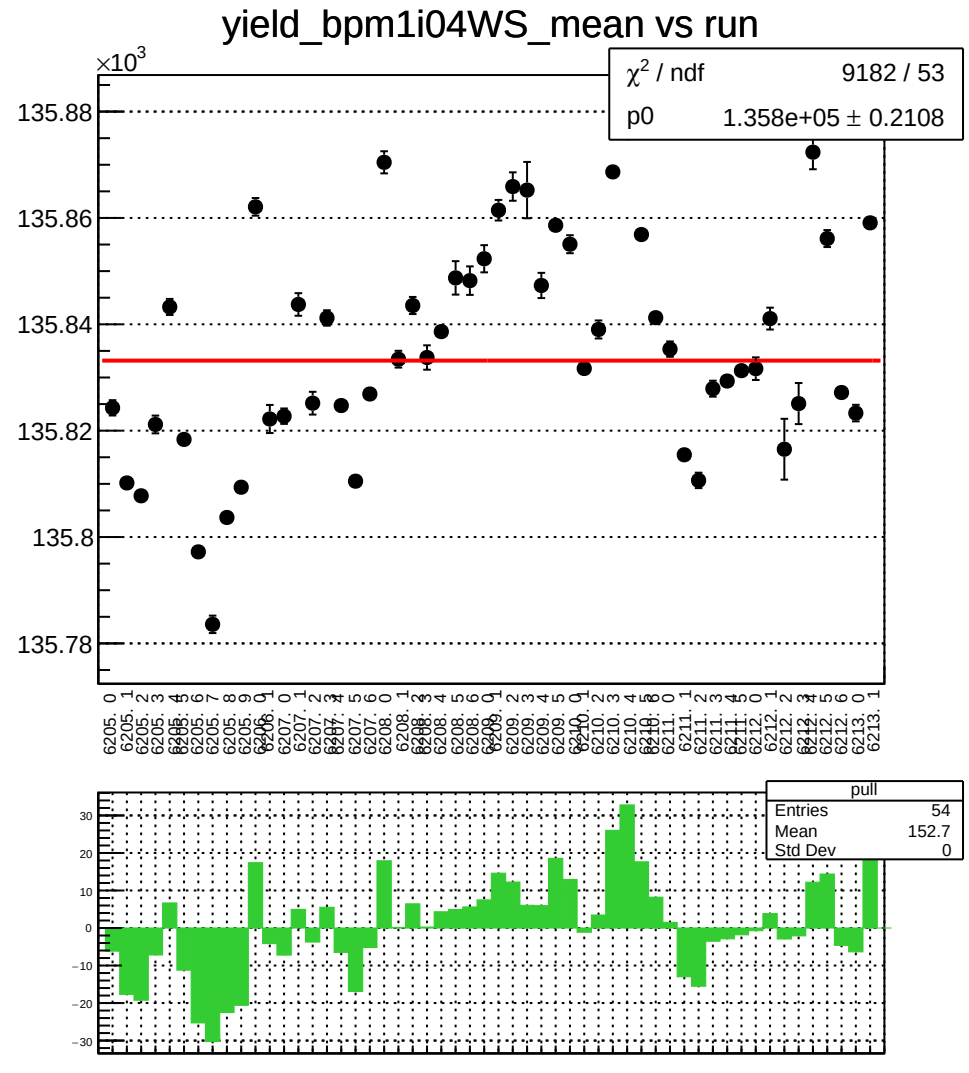

pull1D
Entries 54
Mean 1.875
Std Dev 5.488
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

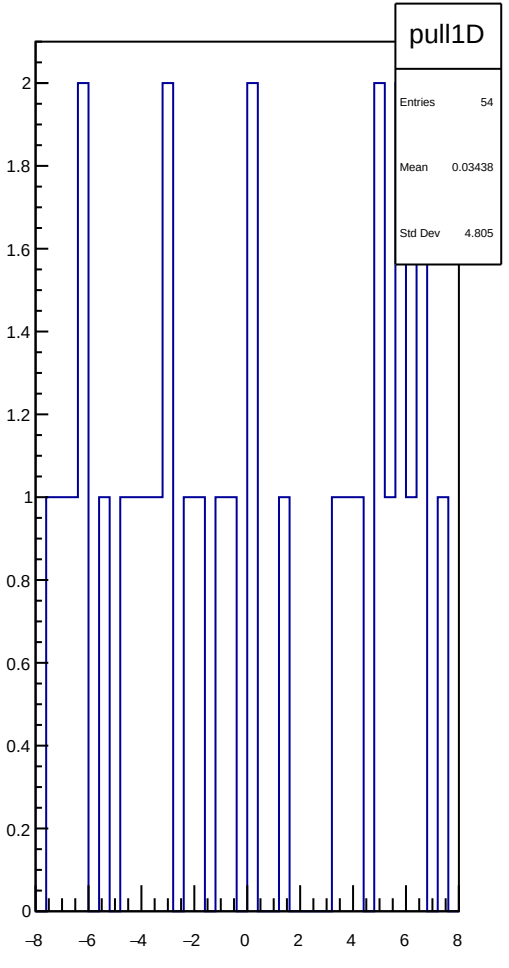

yield_bpm0i07WS_rms vs run
χ² / ndf 6.93e+04 / 53
p0 172.4 ± 0.1732
500
400
300
200
100
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 1
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

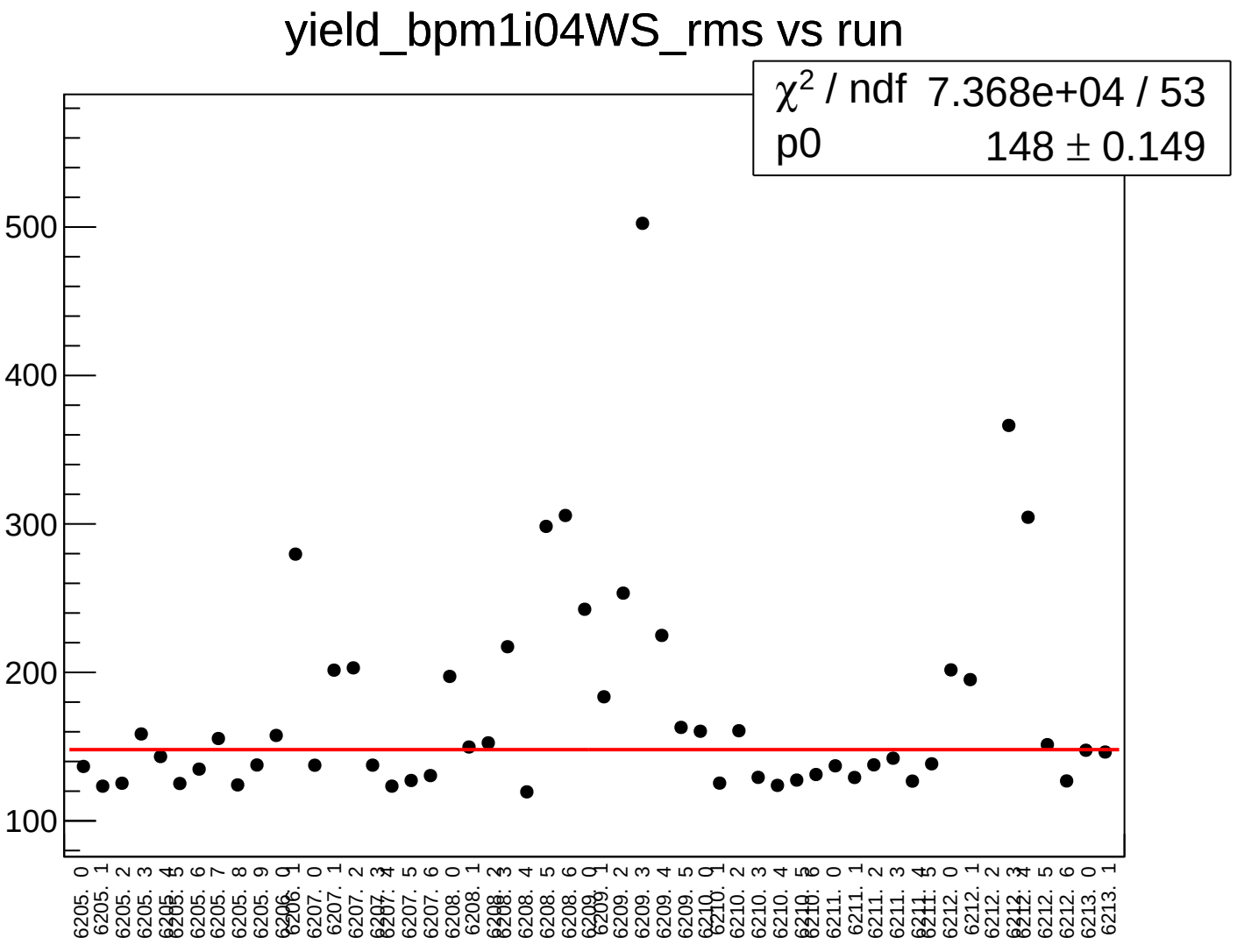

yield_bpm1i02WS_mean vs run
×10^3
154.2
154.15
154.1
154.05
154
χ² / ndf 3.097e+04 / 53
p0 1.541e+05 ± 0.262
pull
Entries 54
Mean −37.66
Std Dev 0
40
20
0
−20
−40
−60
−80

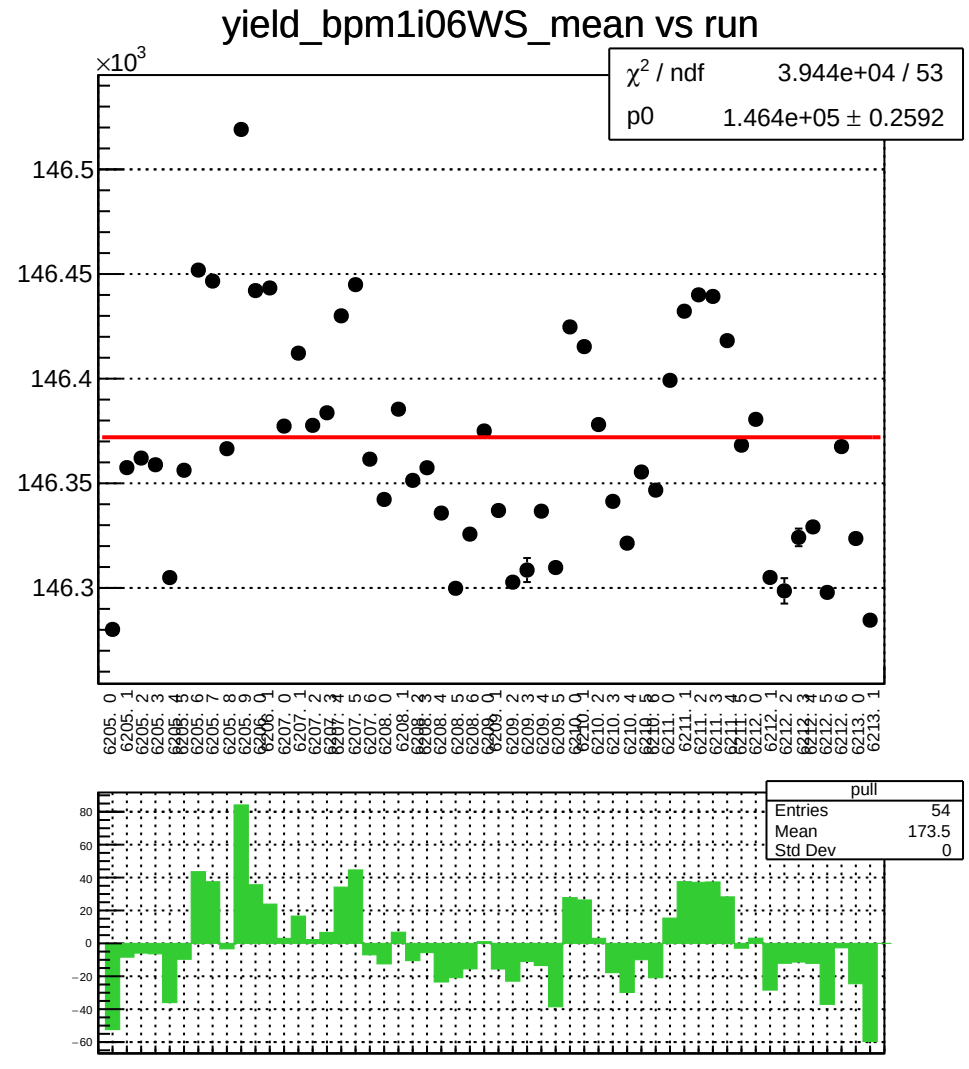

pull1D
Entries 54
Mean 0.8879
Std Dev 4.514
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

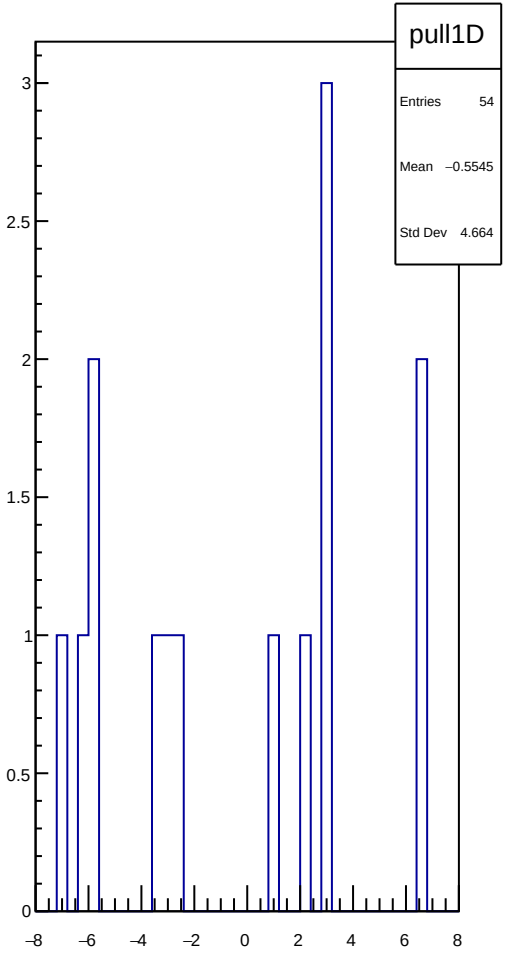

yield_bpm1i02WS_rms vs run
χ² / ndf 6.651e+04 / 53
p0 184.6 ± 0.1852
600
500
400
300
200
100
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

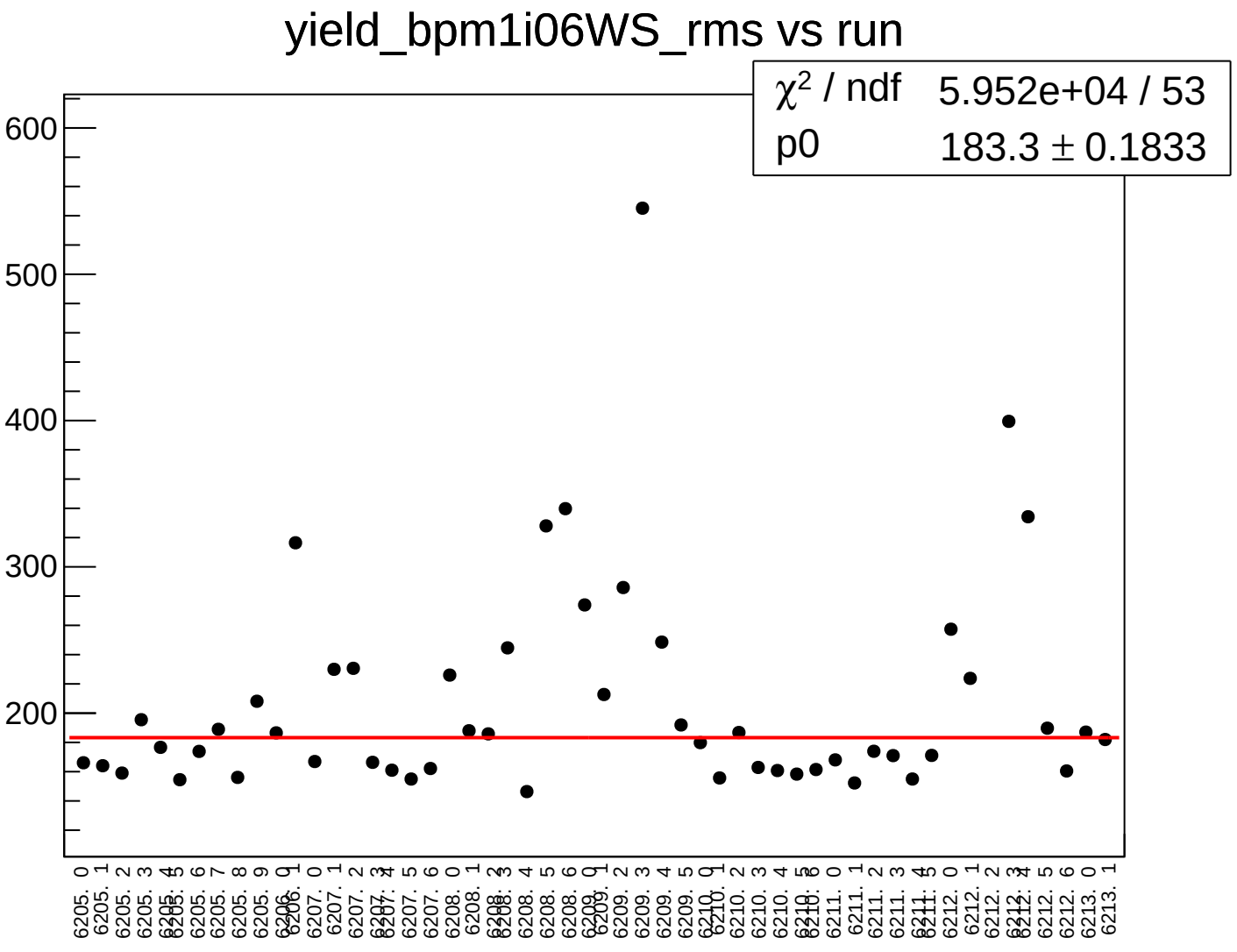

yield_bpm1i04WS_mean vs run
×10^3
χ² / ndf 9182 / 53
p0 1.358e+05 ± 0.2108
135.88
135.86
135.84
135.82
135.8
135.78
pull
Entries 54
Mean 152.7
Std Dev 0
30
20
10
0
−10
−20
−30

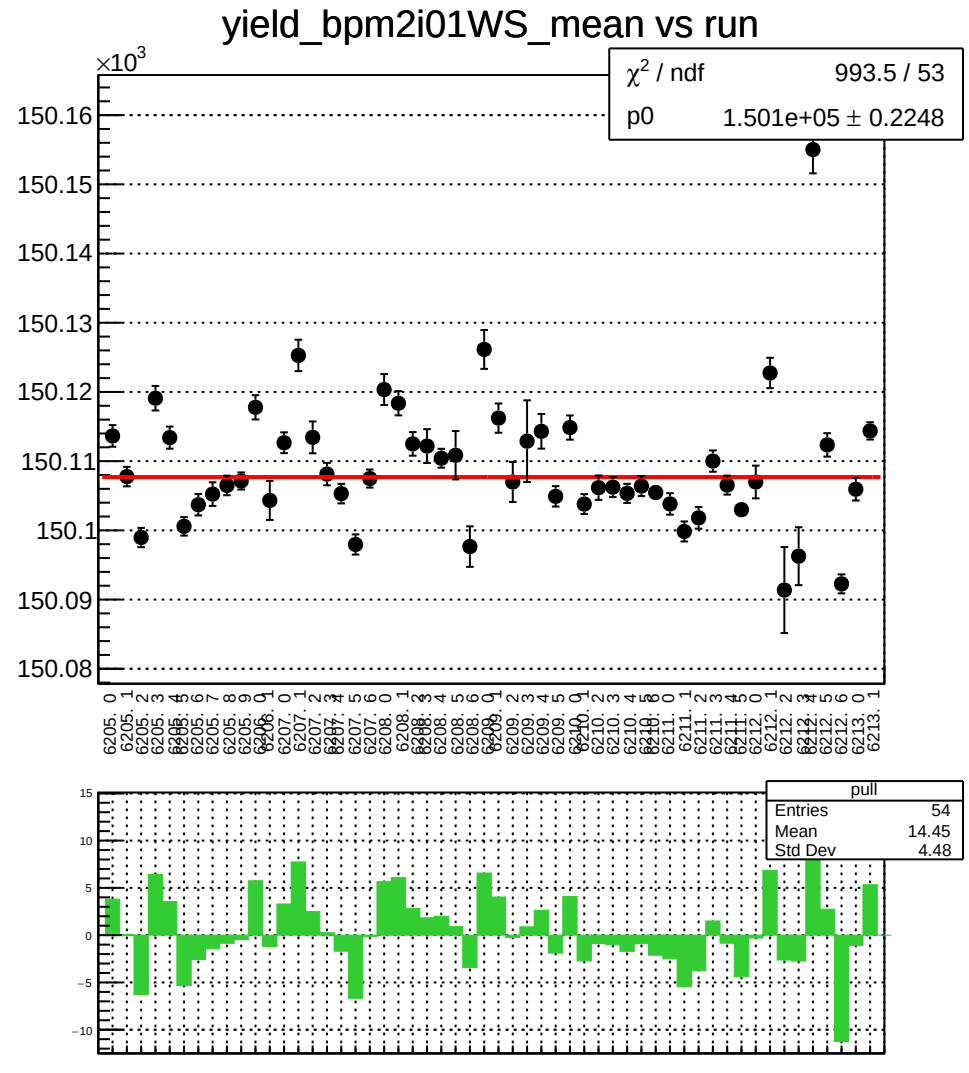

pull1D
Entries 54
Mean 0.03438
Std Dev 4.805
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

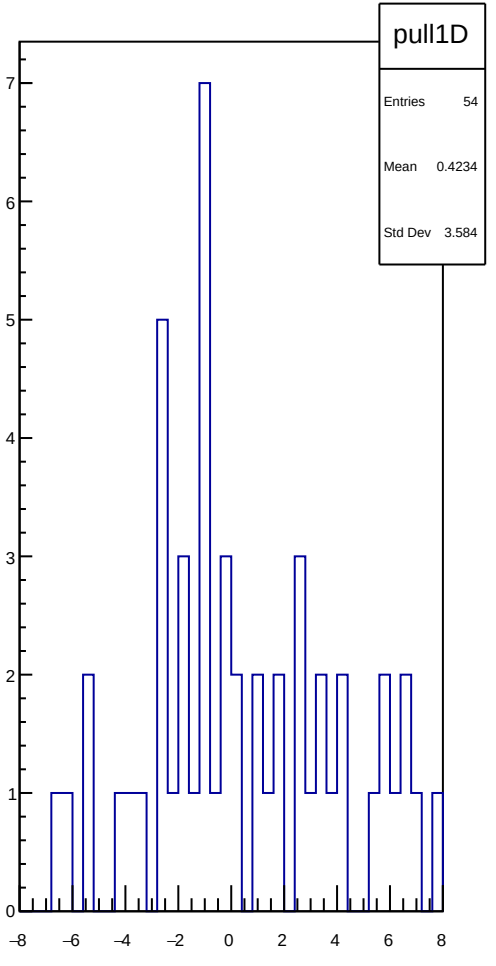

yield_bpm1i04WS_rms vs run
χ² / ndf 7.368e+04 / 53
p0 148 ± 0.149
500
400
300
200
100
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 1
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

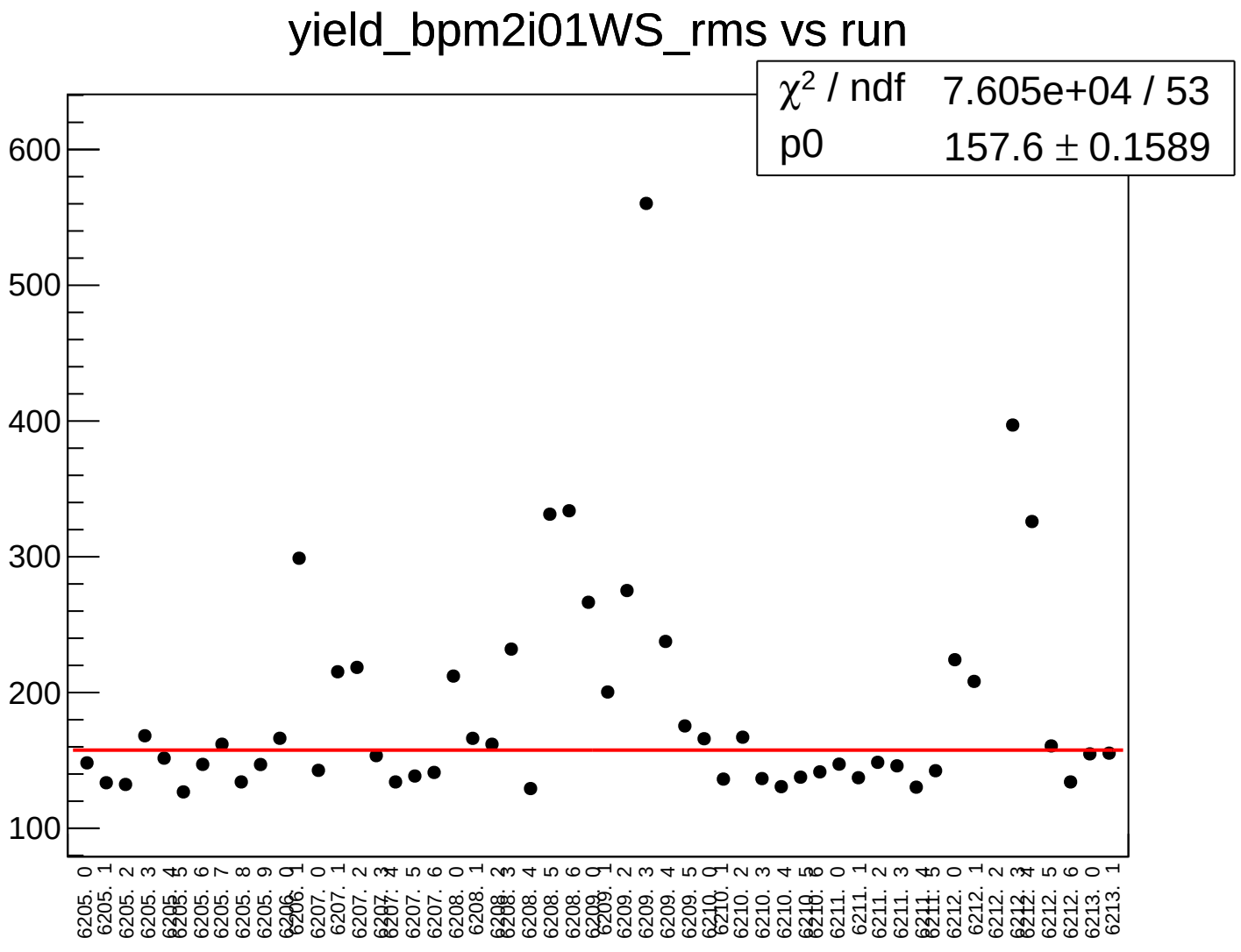

yield_bpm1i06WS_mean vs run
×10^3
χ² / ndf 3.944e+04 / 53
p0 1.464e+05 ± 0.2592
146.5
146.45
146.4
146.35
146.3
pull
Entries 54
Mean 173.5
Std Dev 0

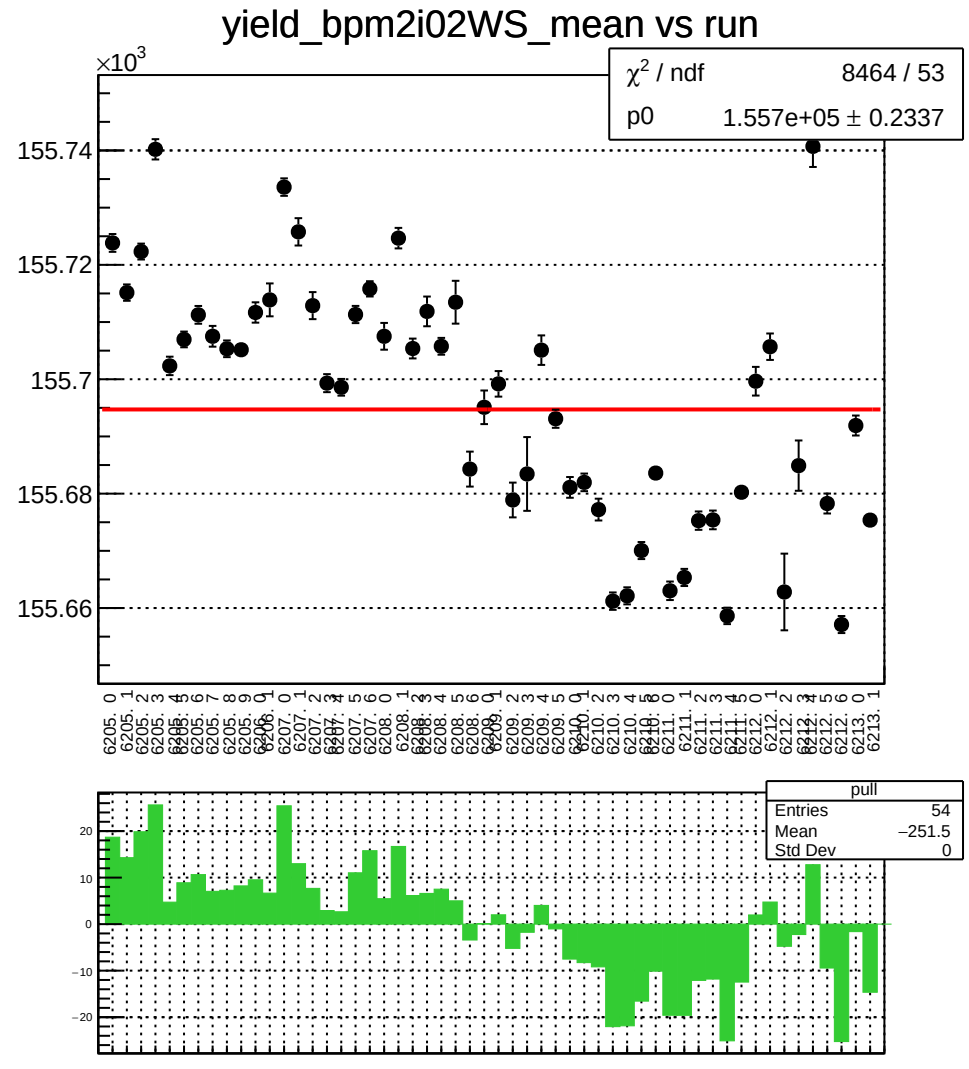

pull1D
Entries 54
Mean −0.5545
Std Dev 4.664

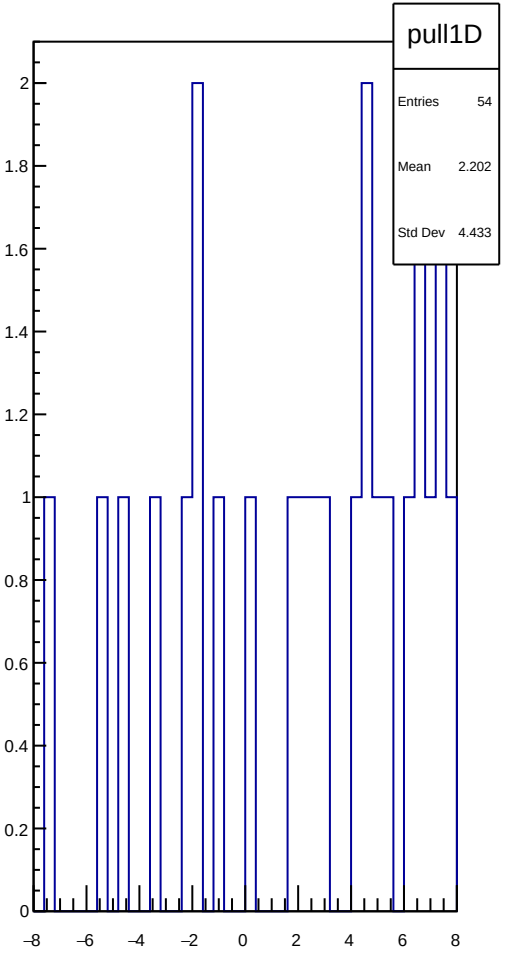

yield_bpm1i06WS_rms vs run
χ² / ndf 5.952e+04 / 53
p0 183.3 ± 0.1833
600
500
400
300
200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

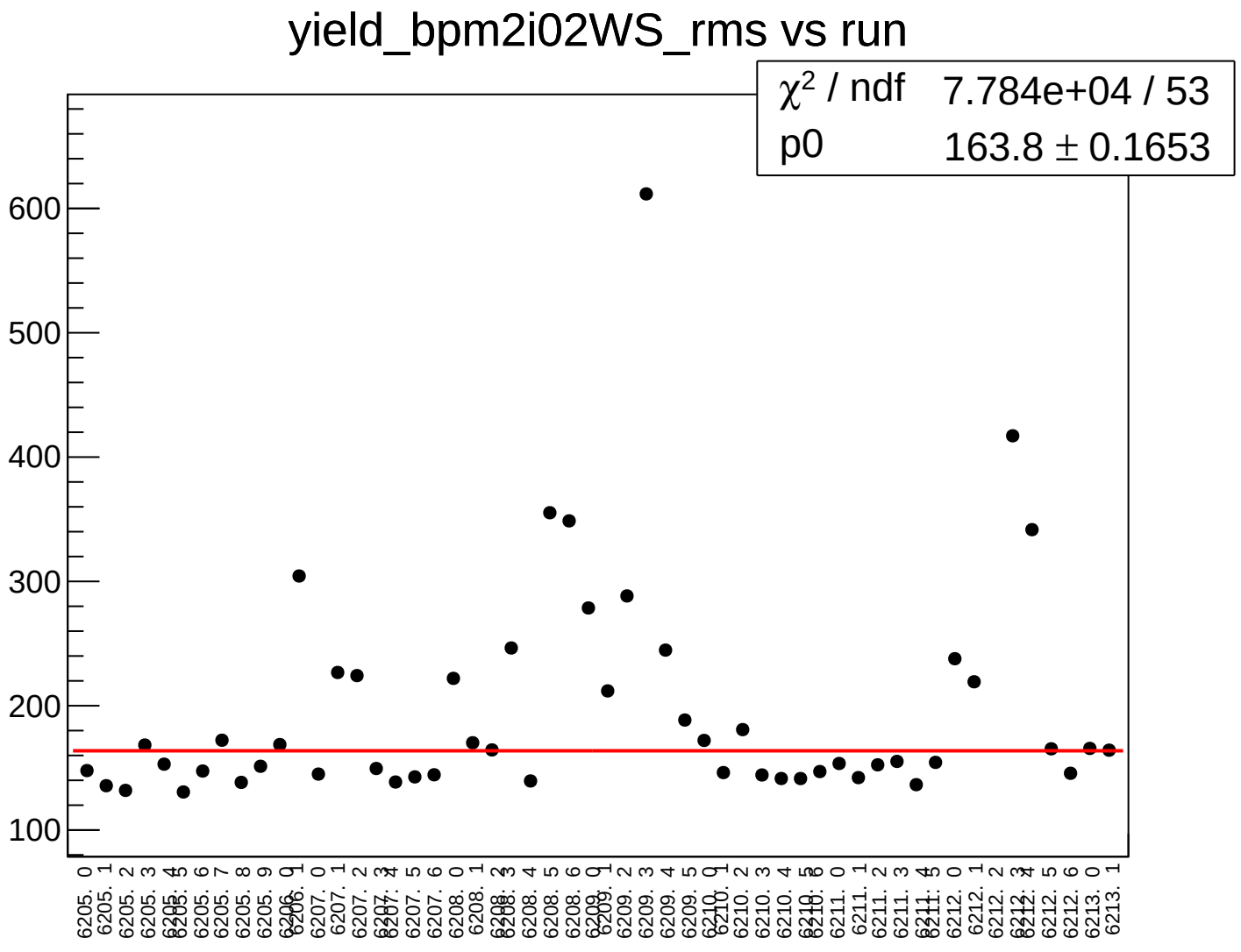

yield_bpm2i01WS_mean vs run
×10^3
χ² / ndf 993.5 / 53
p0 1.501e+05 ± 0.2248
150.16
150.15
150.14
150.13
150.12
150.11
150.1
150.09
150.08
pull
Entries 54
Mean 14.45
Std Dev 4.48
15
10
5
0
−5
−10

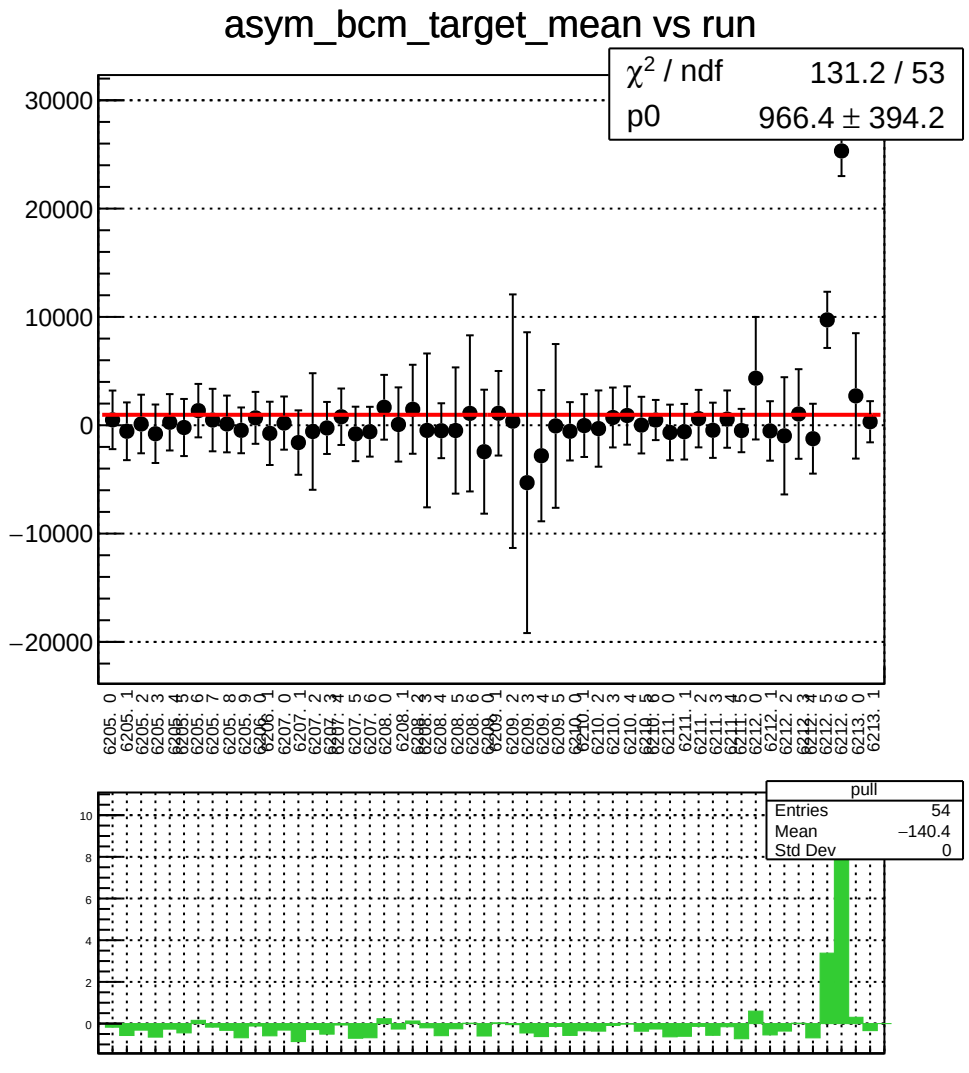

pull1D
Entries 54
Mean 0.4234
Std Dev 3.584
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

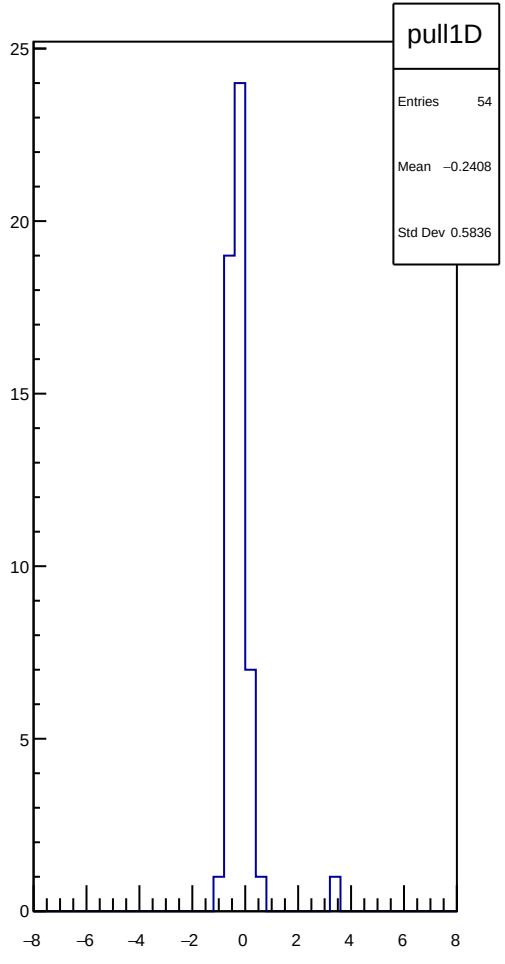

yield_bpm2i01WS_rms vs run
χ² / ndf 7.605e+04 / 53
p0 157.6 ± 0.1589
600
500
400
300
200
100
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

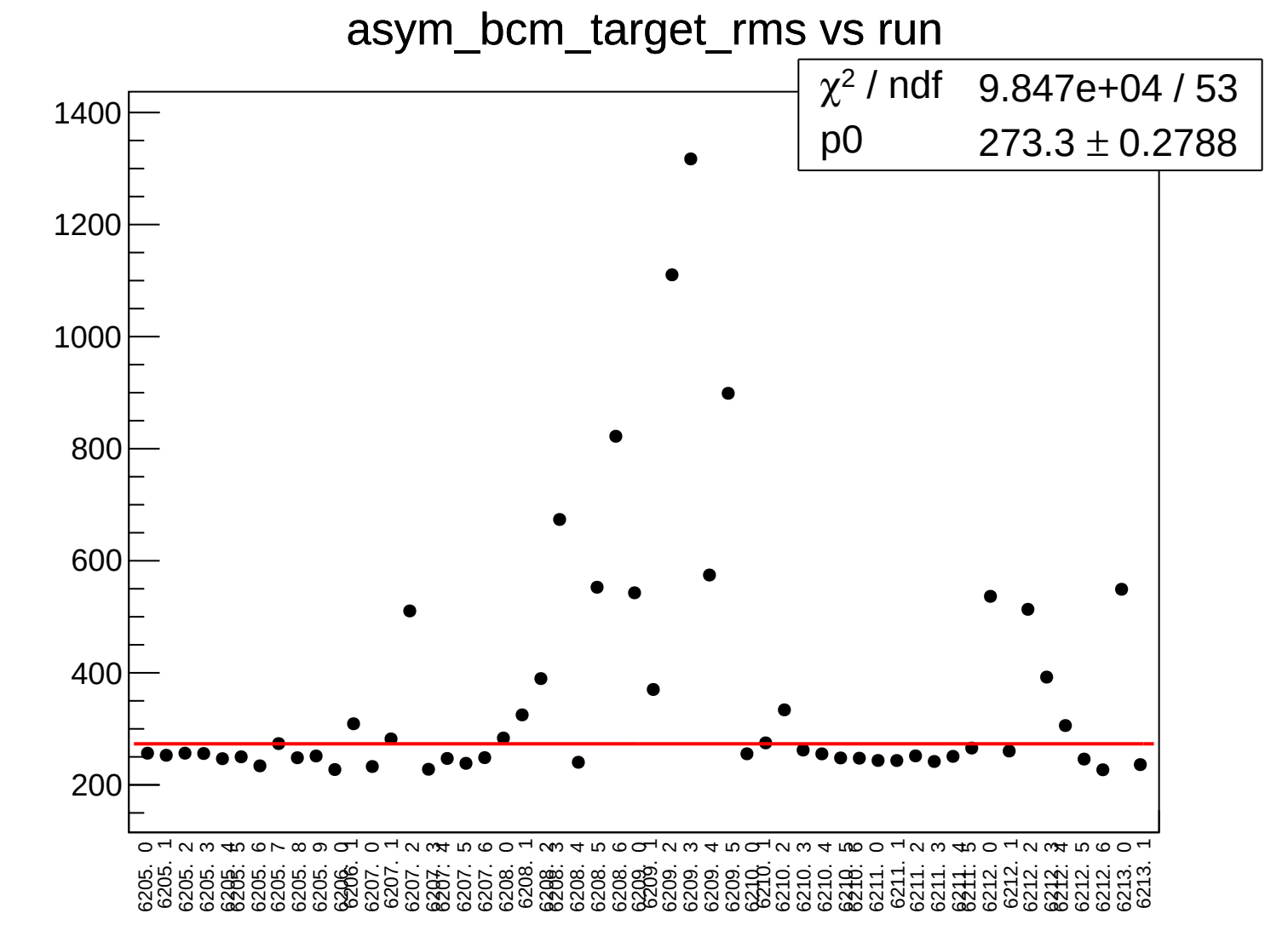

yield_bpm2i02WS_mean vs run
×10^3
χ² / ndf 8464 / 53
p0 1.557e+05 ± 0.2337
155.74
155.72
155.7
155.68
155.66
pull
Entries 54
Mean −251.5
Std Dev 0
20
10
0
−10
−20

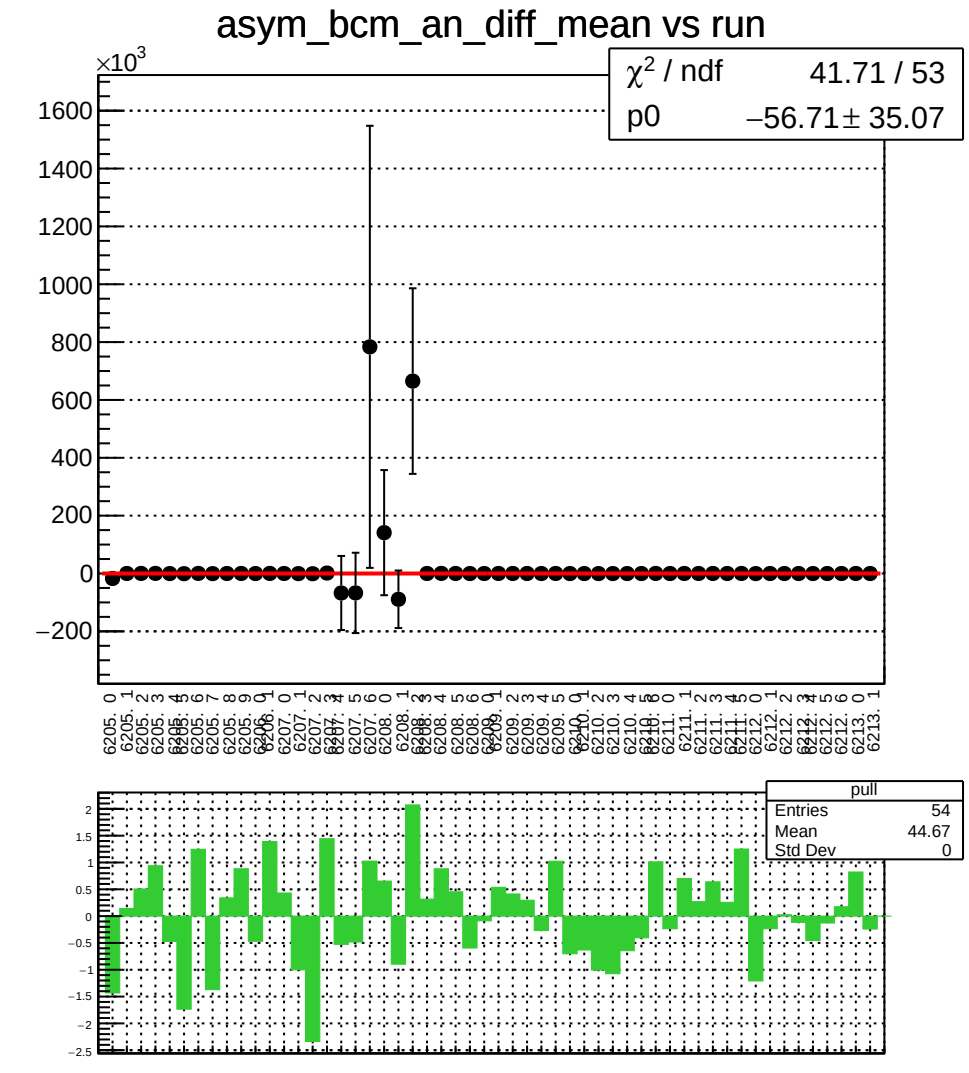

pull1D
Entries 54
Mean 2.202
Std Dev 4.433
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

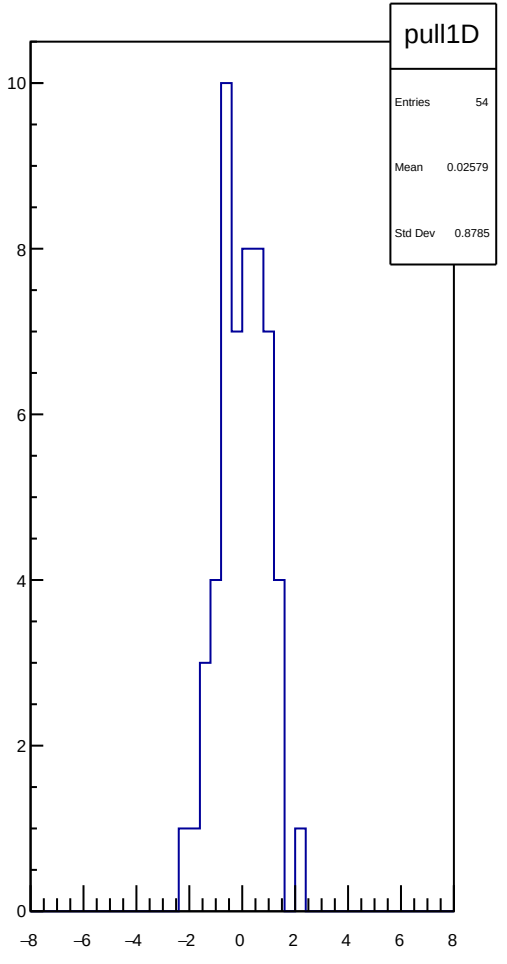

yield_bpm2i02WS_rms vs run
χ² / ndf 7.784e+04 / 53
p0 163.8 ± 0.1653
600
500
400
300
200
100
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

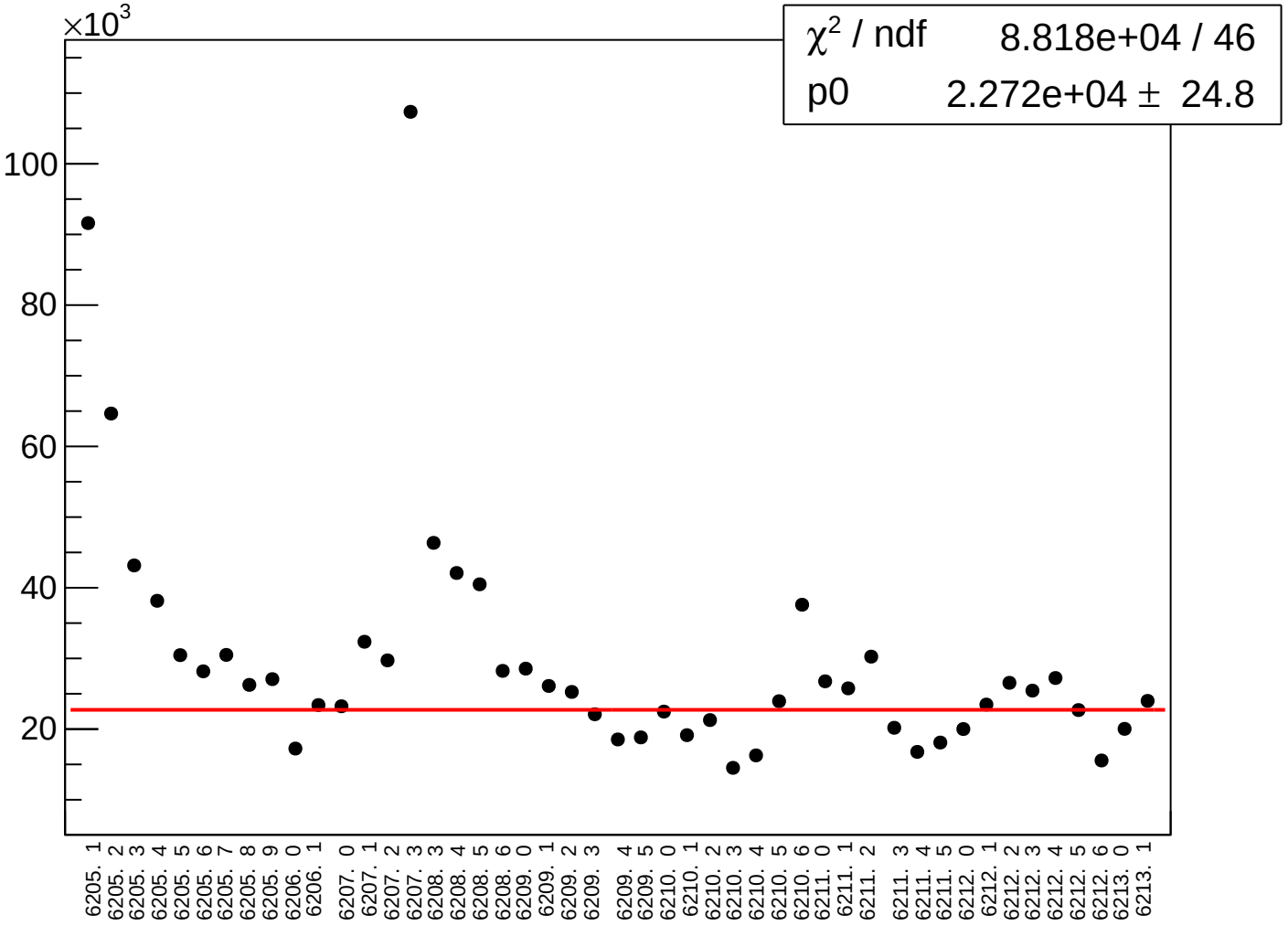

asym_bcm_target_mean vs run
χ² / ndf 131.2 / 53
p0 966.4 ± 394.2
30000
20000
10000
0
−10000
−20000
pull
Entries 54
Mean −140.4
Std Dev 0
10
8
6
4
2
0

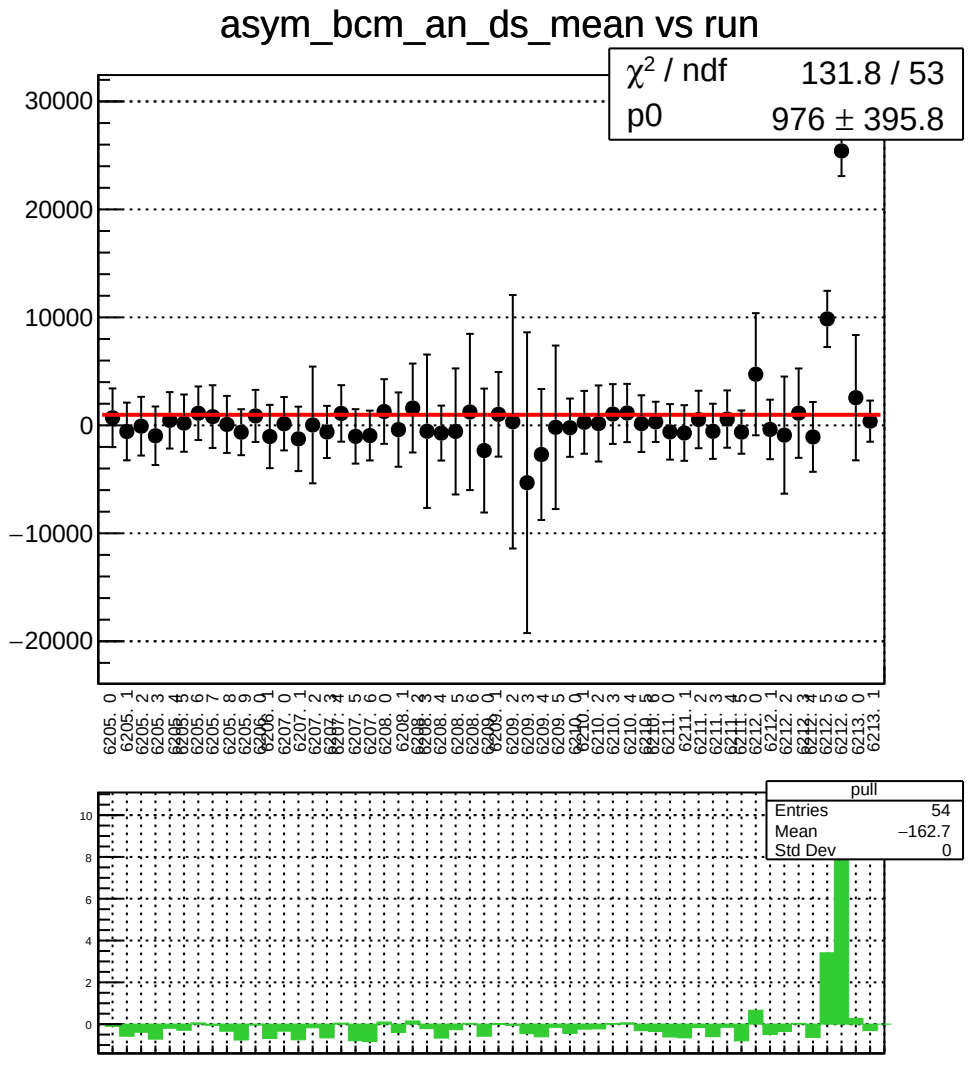

pull1D
Entries 54
Mean −0.2408
Std Dev 0.5836
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

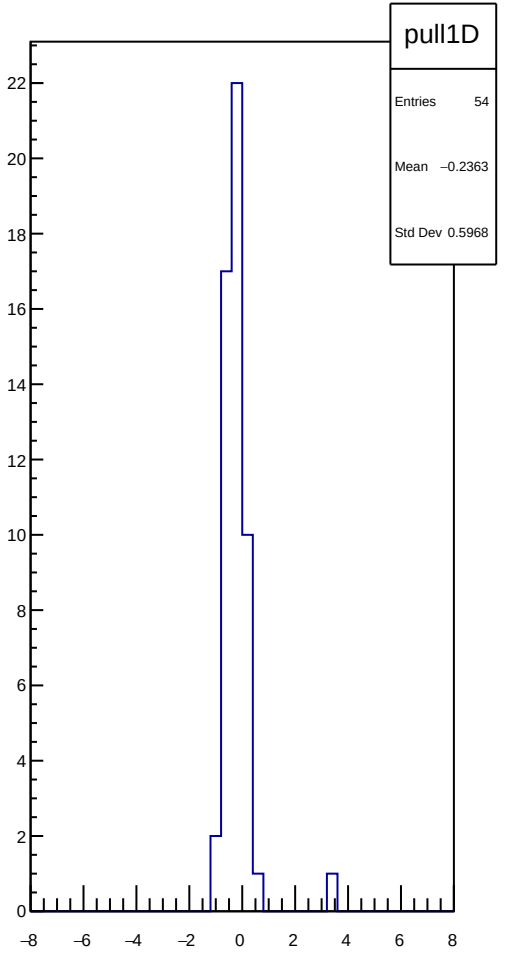

asym_bcm_target_rms vs run
χ² / ndf 9.847e+04 / 53
p0 273.3 ± 0.2788
1400
1200
1000
800
600
400
200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

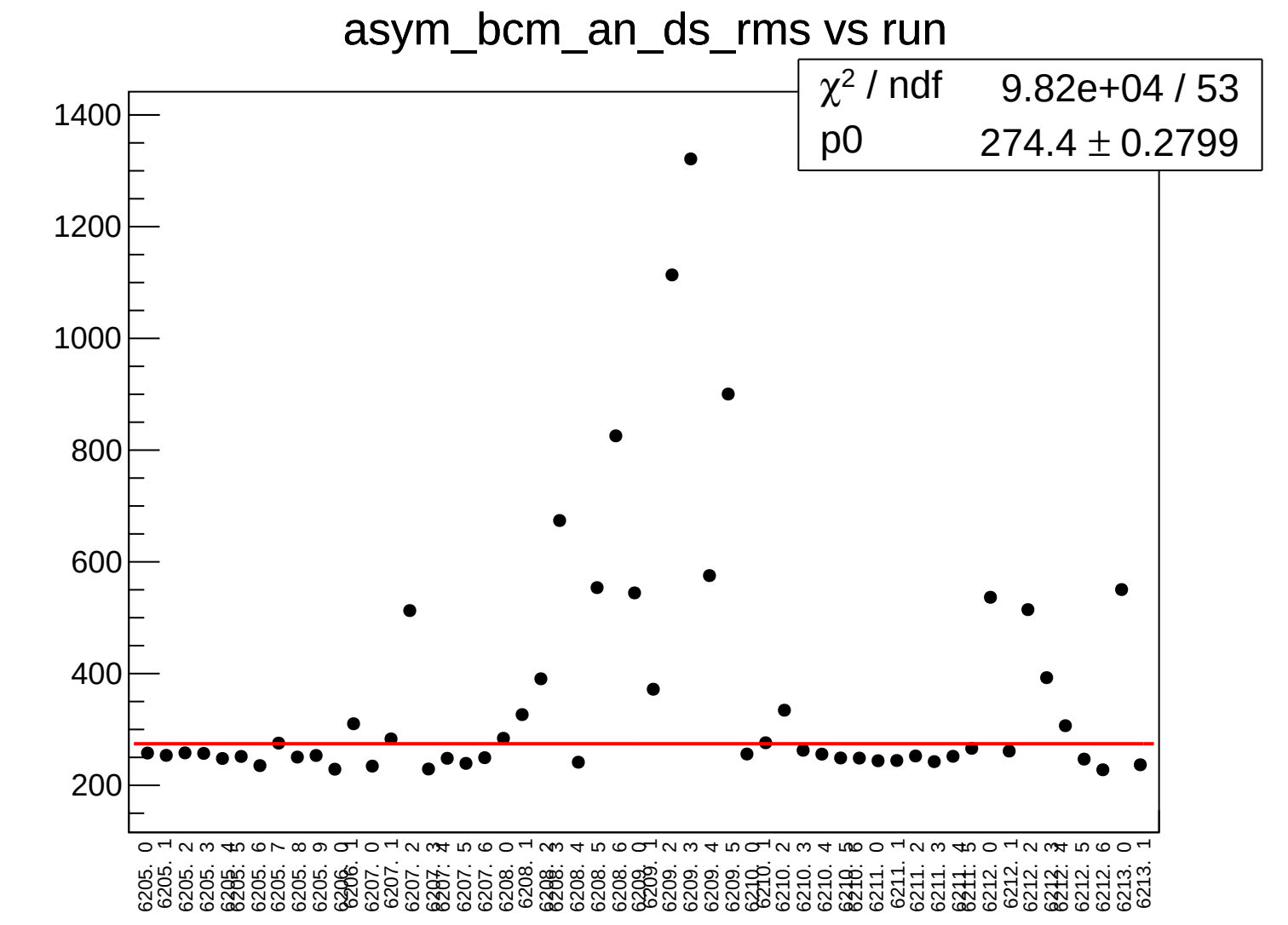

asym_bcm_an_diff_mean vs run
×10^3
χ² / ndf 41.71 / 53
p0 −56.71± 35.07
pull
Entries 54
Mean 44.67
Std Dev 0

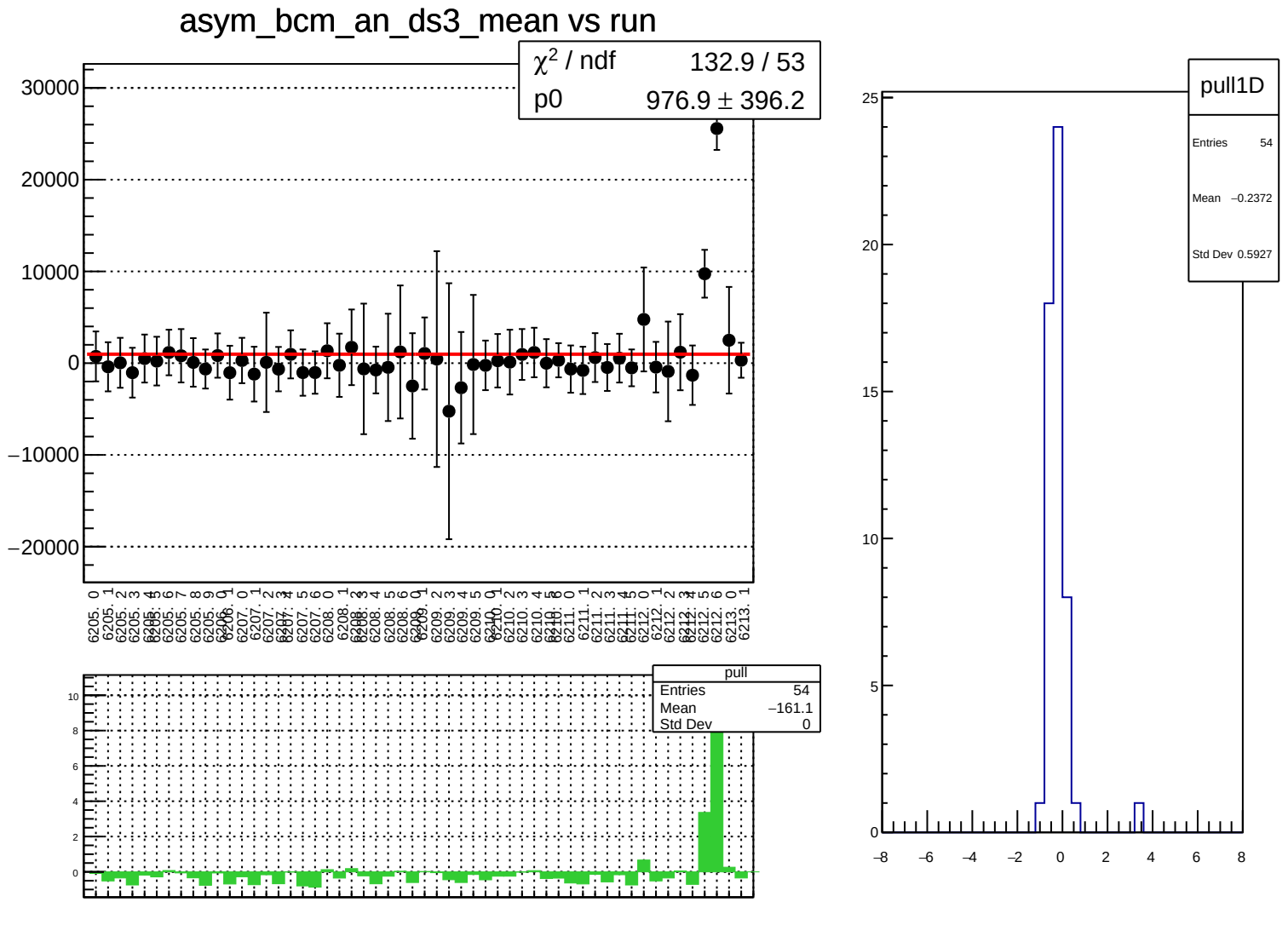

pull1D
Entries 54
Mean 0.02579
Std Dev 0.8785

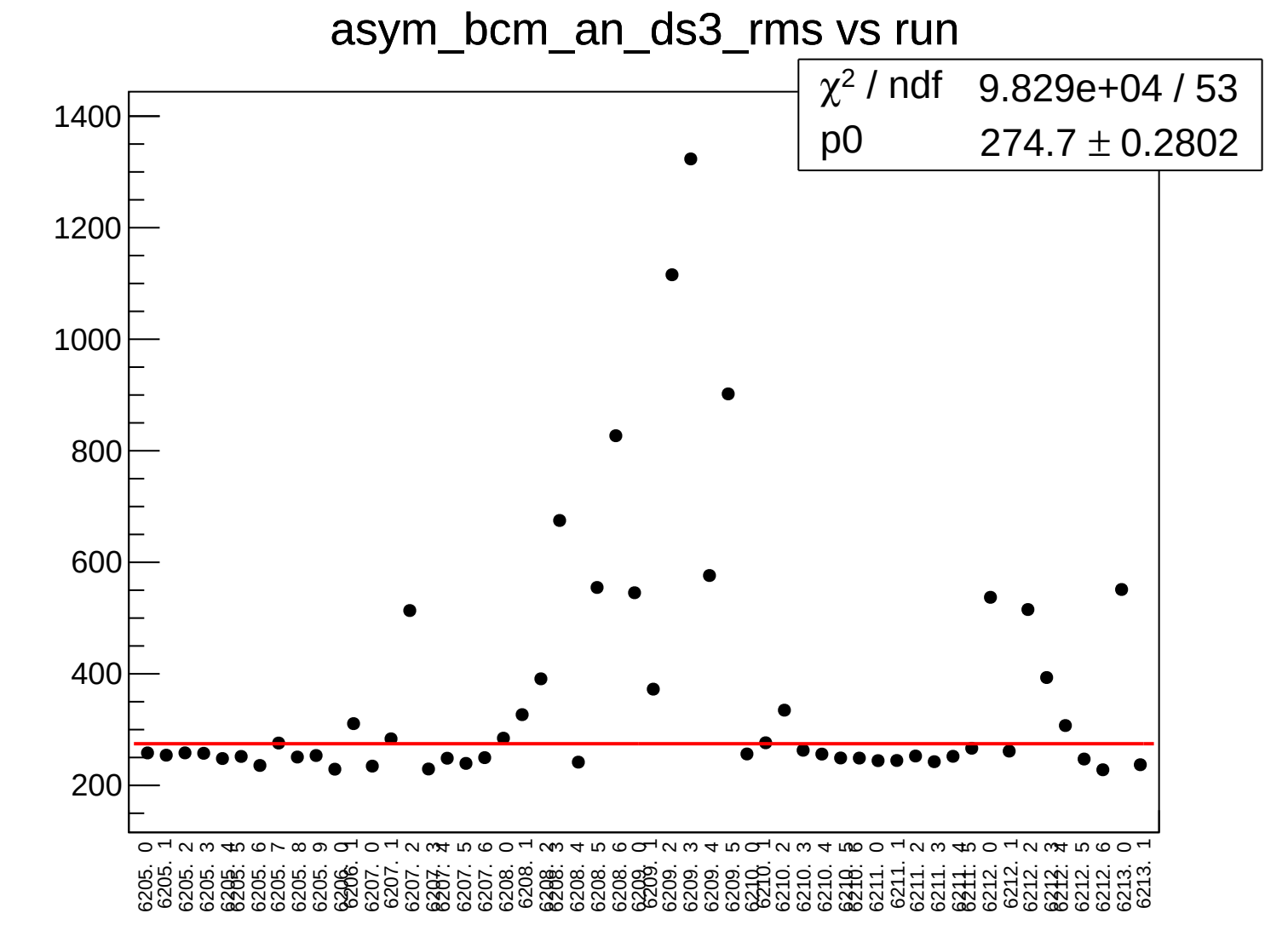

asym_bcm_an_diff_rms vs run
×10^3
χ^2 / ndf 8.818e+04 / 46
p0 2.272e+04 ± 24.8
100
80
60
40
20
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

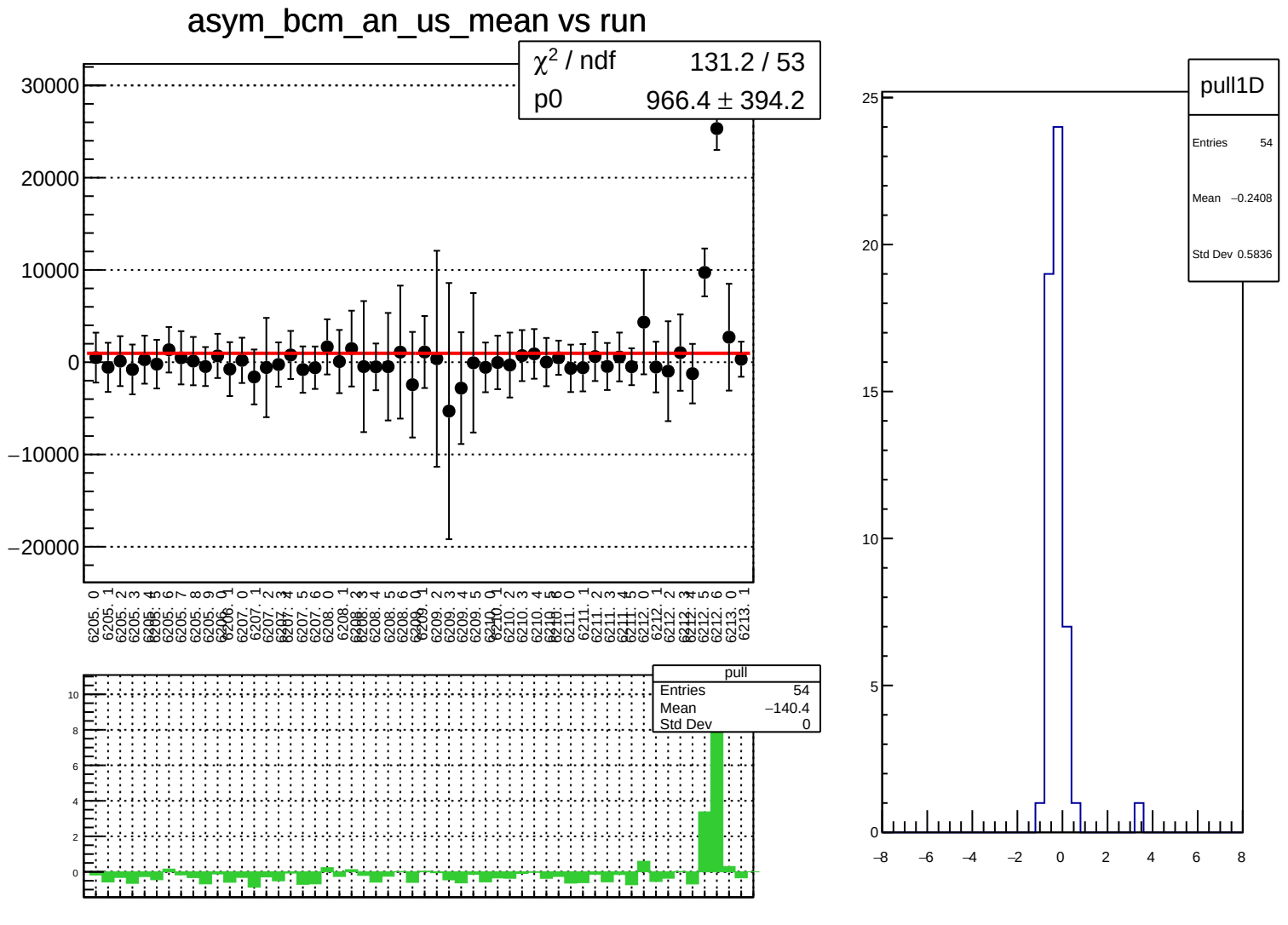

asym_bcm_an_ds_mean vs run
χ² / ndf 131.8 / 53
p0 976 ± 395.8
30000
20000
10000
0
−10000
−20000
pull
Entries 54
Mean −162.7
Std Dev 0

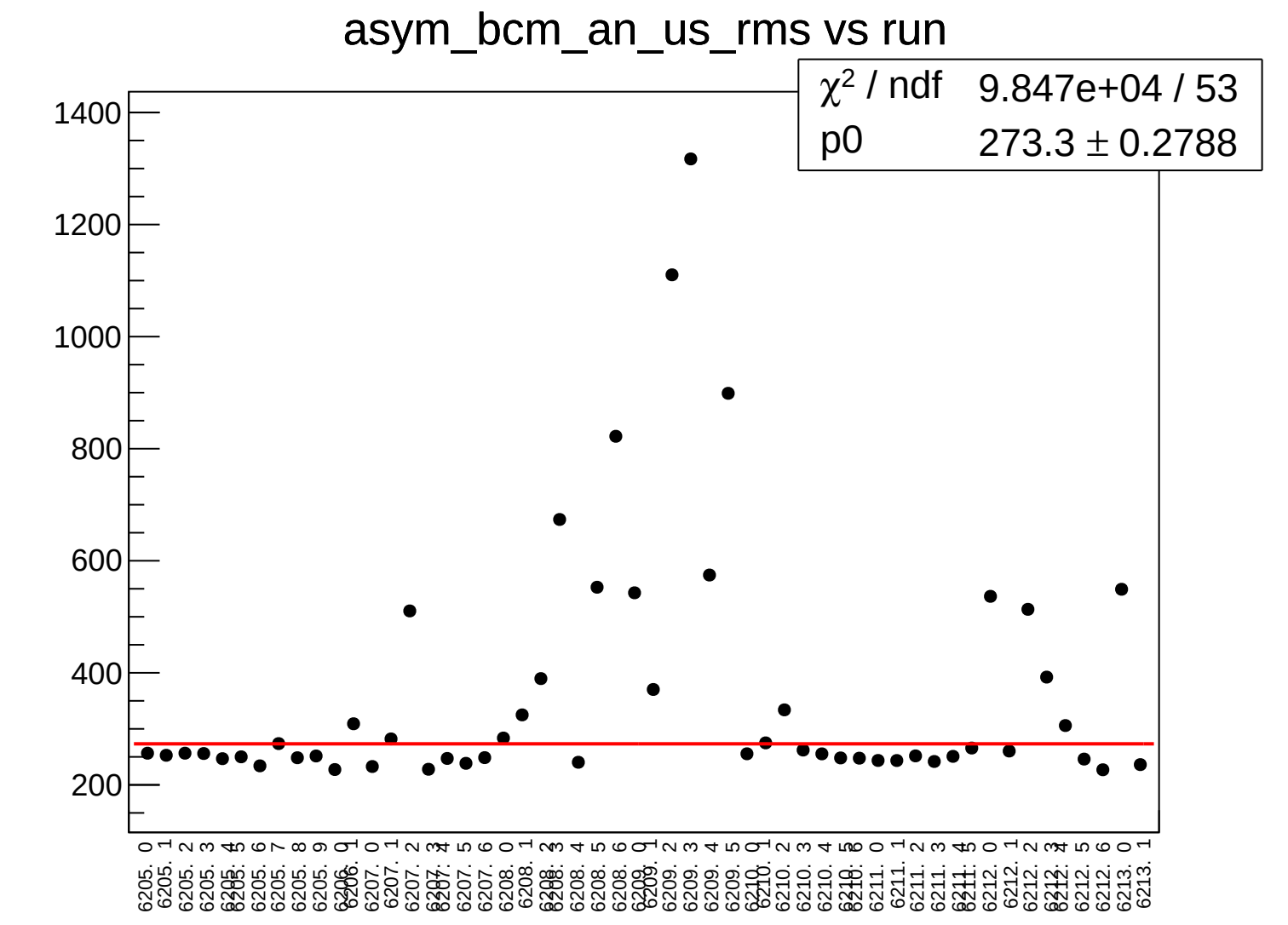

pull1D
Entries 54
Mean −0.2363
Std Dev 0.5968
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

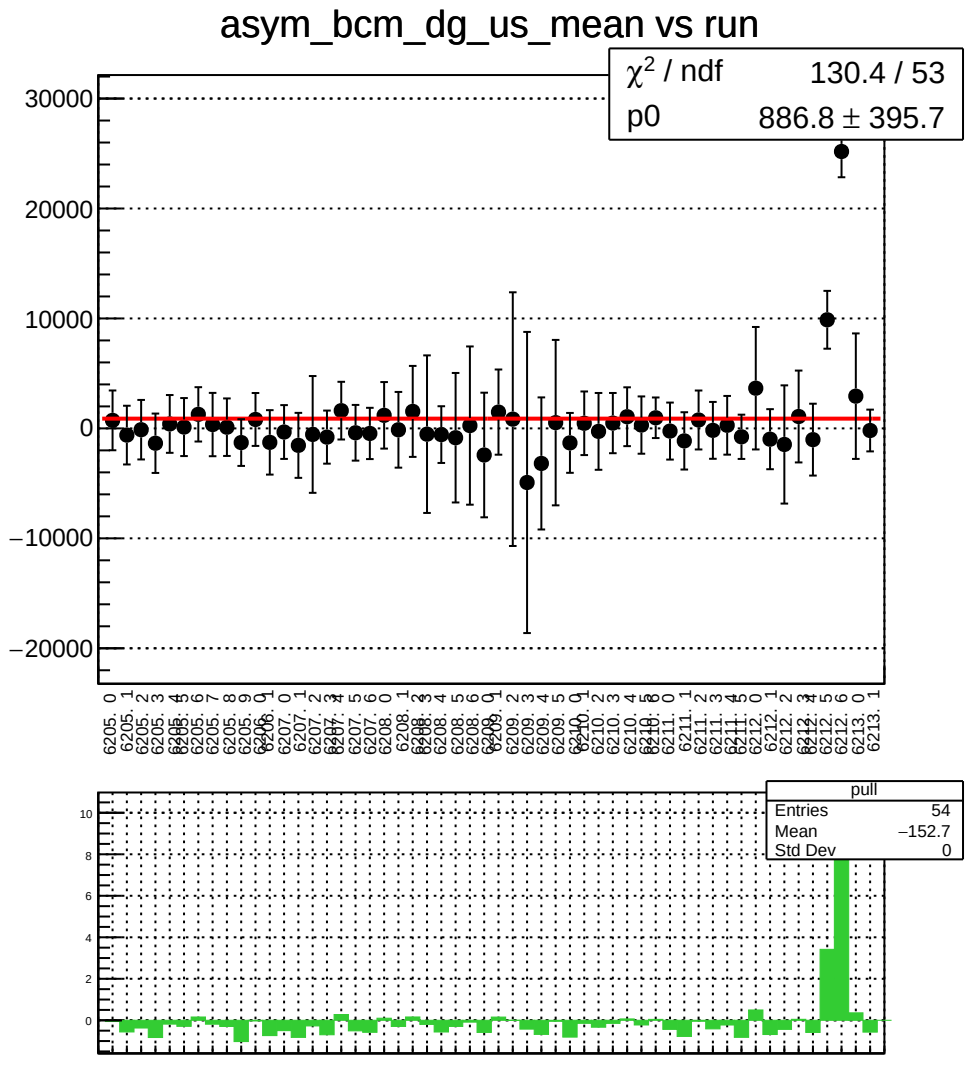

asym_bcm_an_ds_rms vs run
χ² / ndf 9.82e+04 / 53
p0 274.4 ± 0.2799
1400
1200
1000
800
600
400
200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

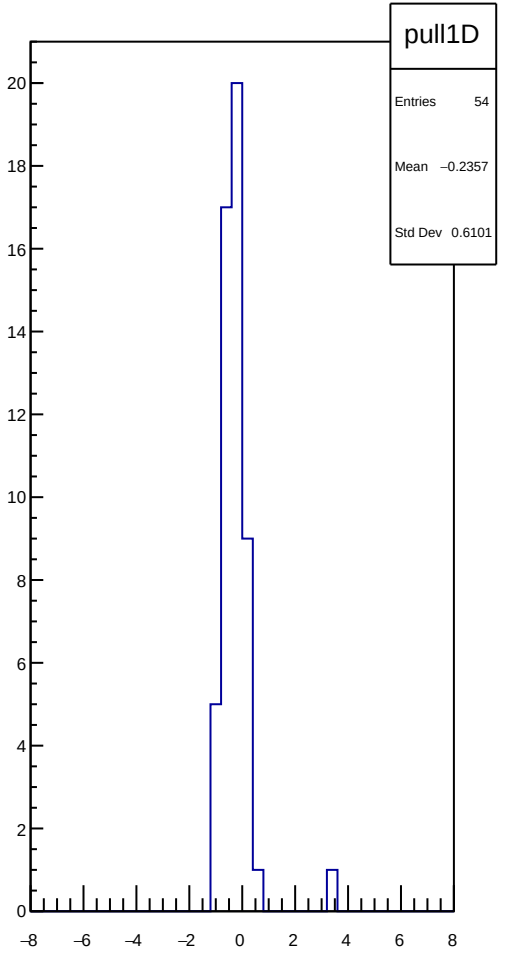

asym_bcm_an_ds3_mean vs run
χ² / ndf 132.9 / 53
p0 976.9 ± 396.2
30000
20000
10000
0
−10000
−20000
pull
Entries 54
Mean −161.1
Std Dev 0
pull1D
Entries 54
Mean −0.2372
Std Dev 0.5927
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

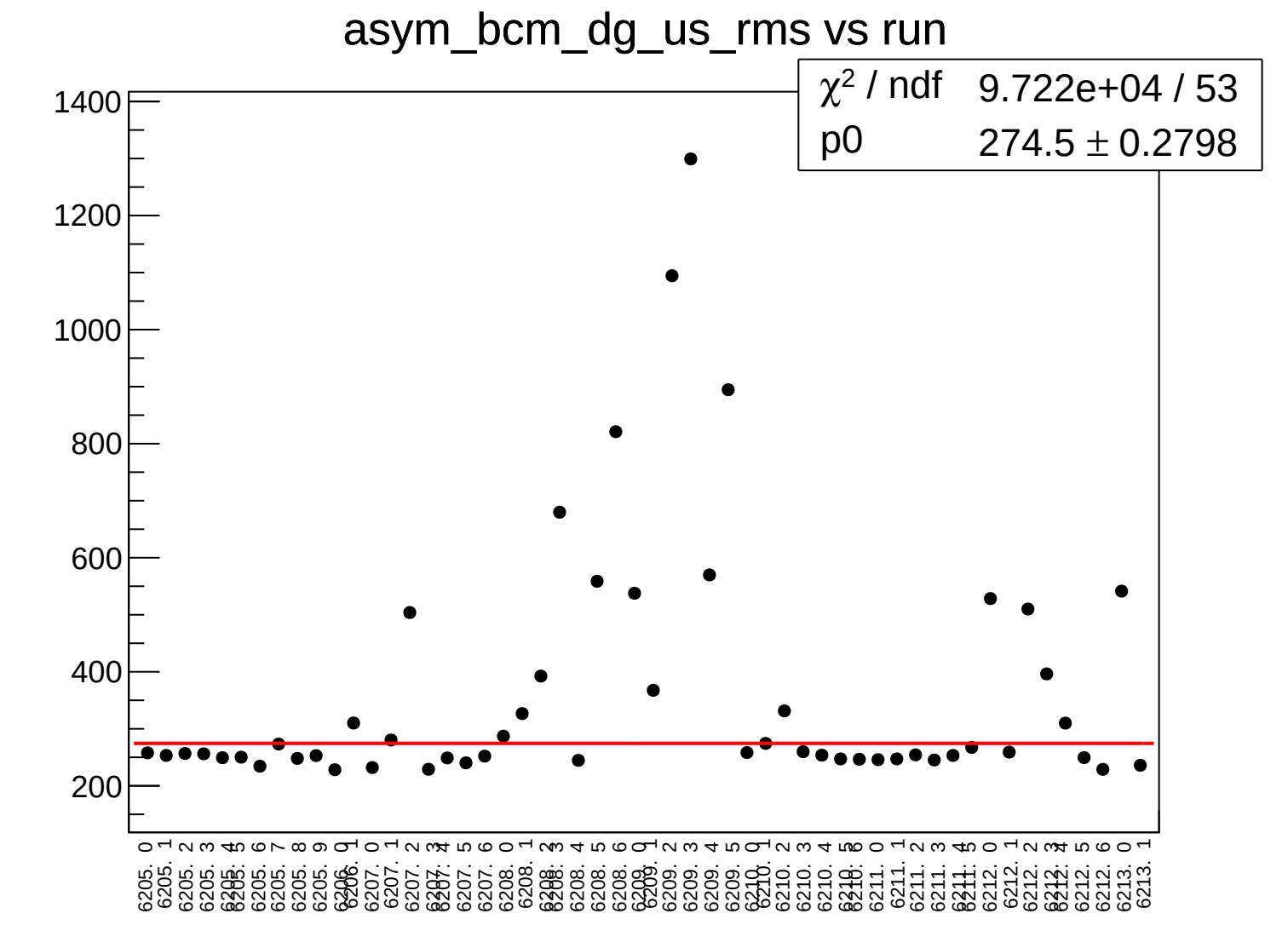

asym_bcm_an_ds3_rms vs run
χ² / ndf 9.829e+04 / 53
p0 274.7 ± 0.2802
1400
1200
1000
800
600
400
200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

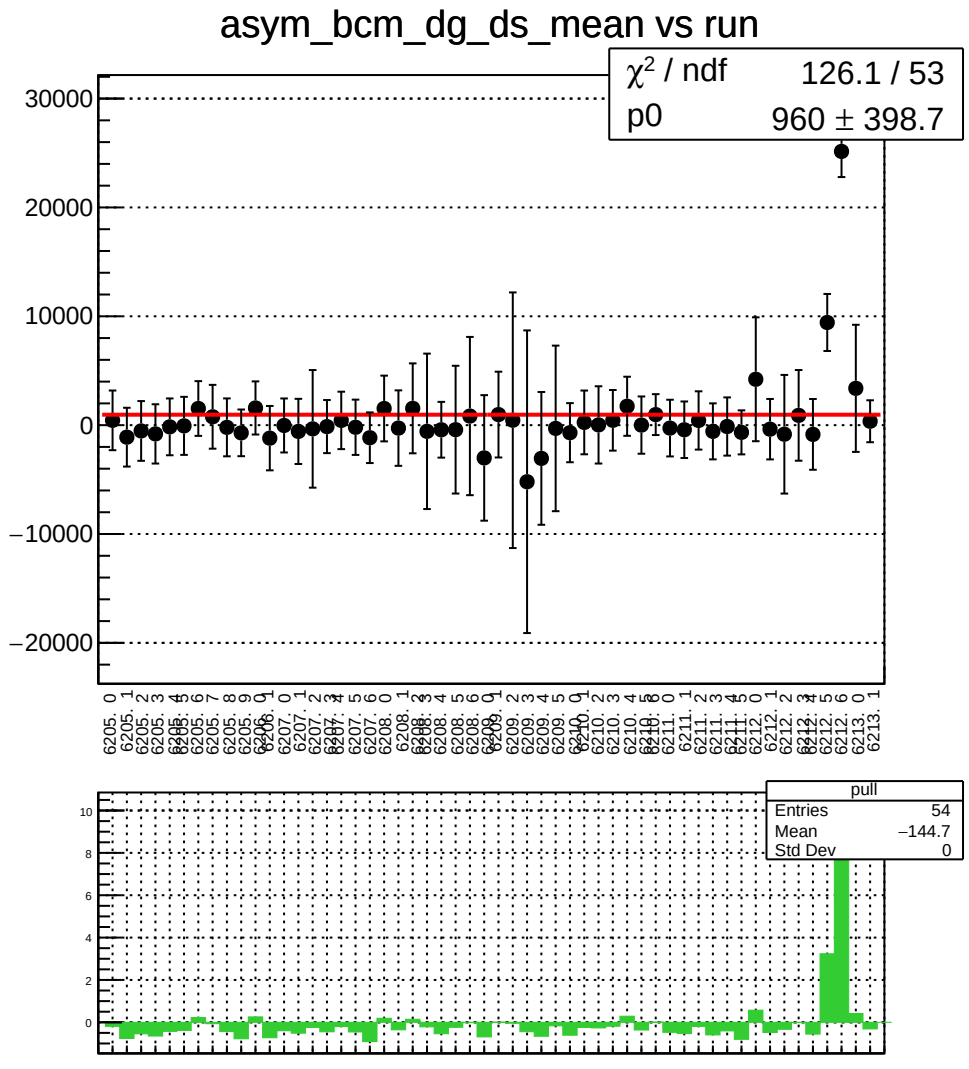

asym_bcm_an_us_mean vs run
χ² / ndf 131.2 / 53
p0 966.4 ± 394.2
pull
Entries 54
Mean −140.4
Std Dev 0
pull1D
Entries 54
Mean −0.2408
Std Dev 0.5836

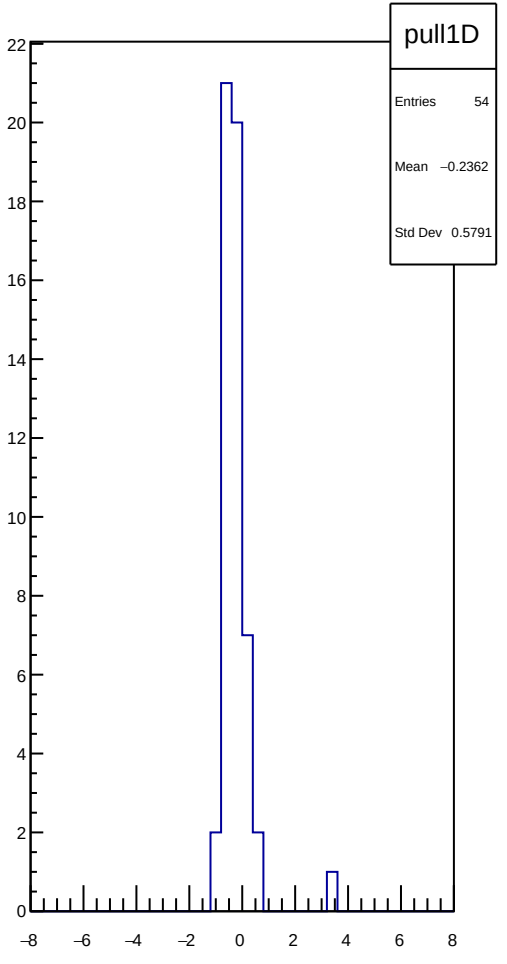

asym_bcm_an_us_rms vs run
χ² / ndf 9.847e+04 / 53
p0 273.3 ± 0.2788
1400
1200
1000
800
600
400
200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 1
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

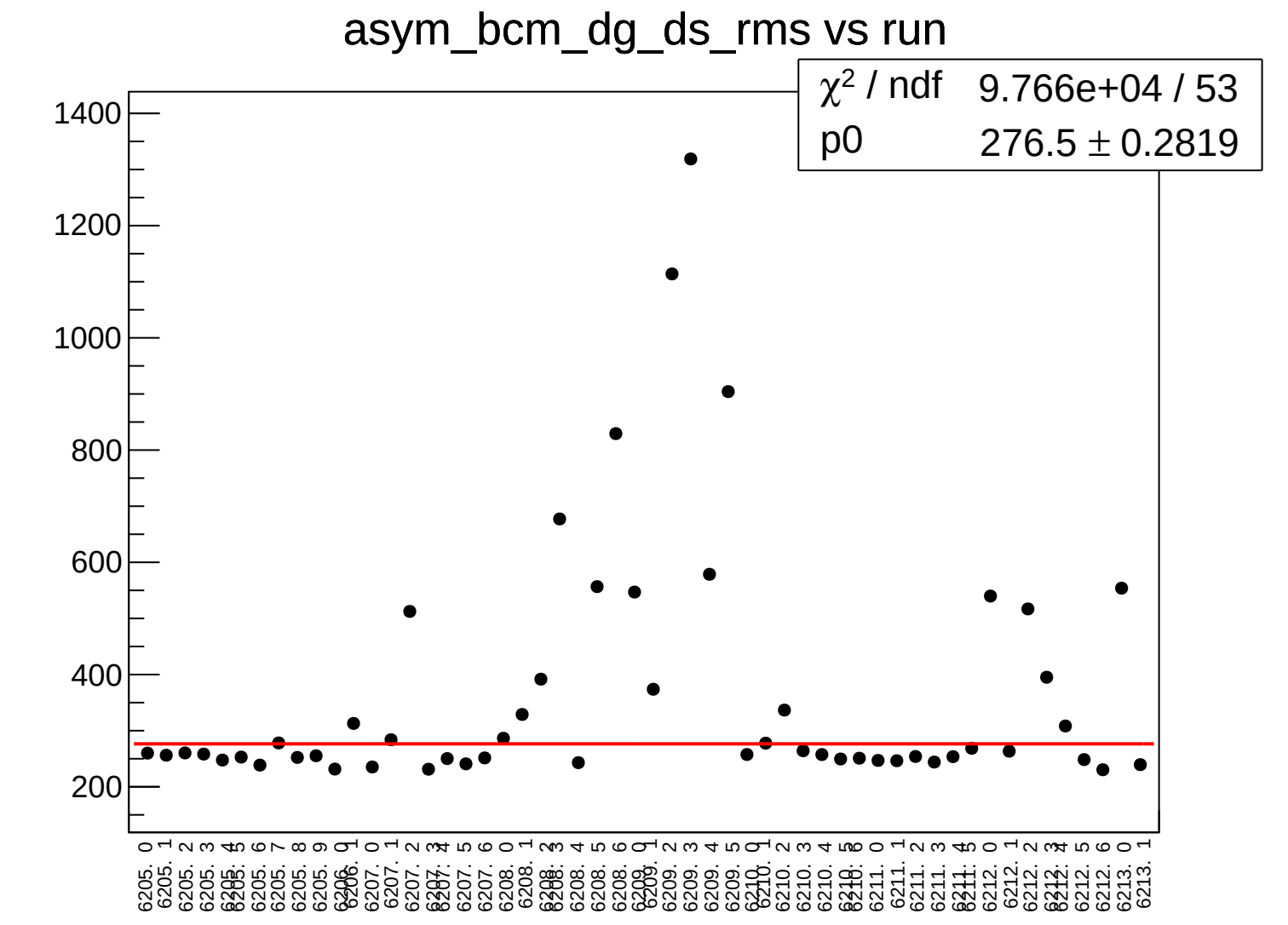

asym_bcm_dg_us_mean vs run
χ² / ndf 130.4 / 53
p0 886.8 ± 395.7
30000
20000
10000
0
−10000
−20000
pull
Entries 54
Mean −152.7
Std Dev 0
10
8
6
4
2
0

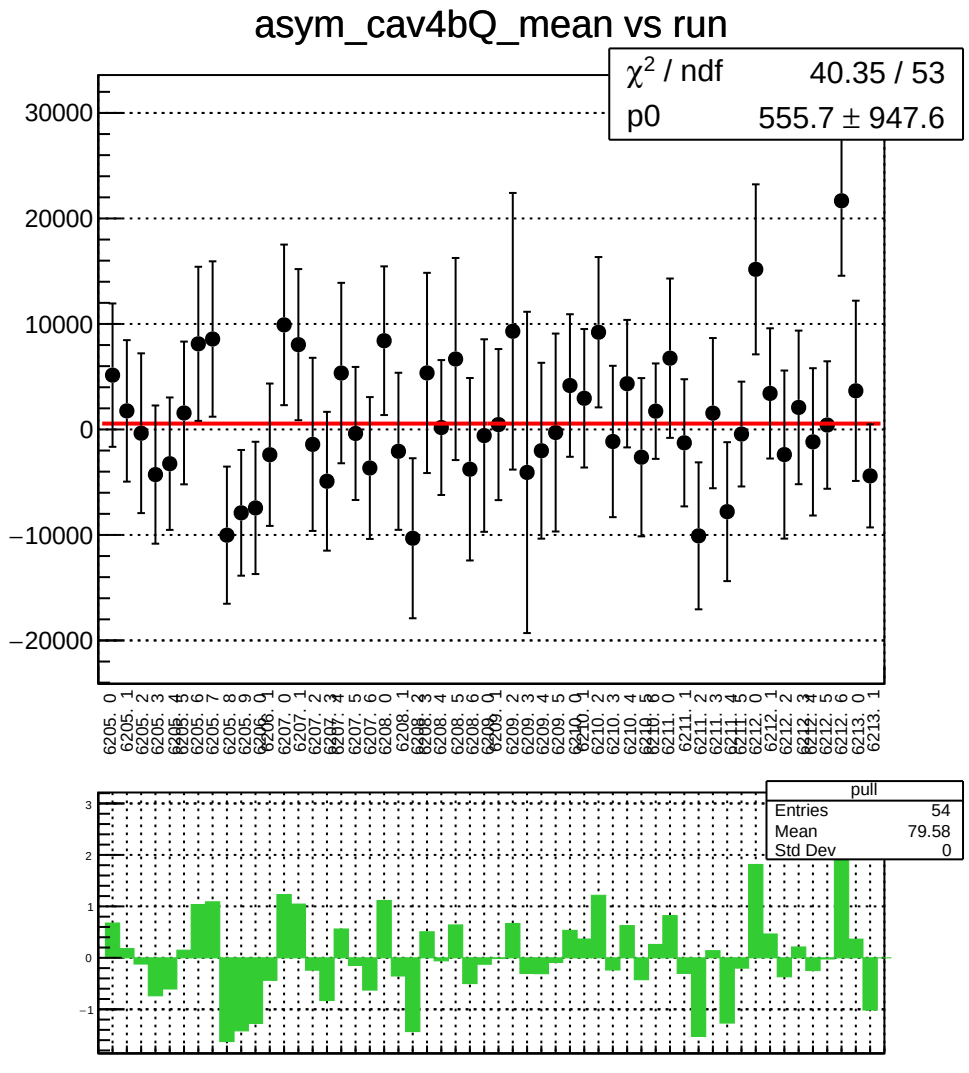

pull1D
Entries 54
Mean −0.2357
Std Dev 0.6101
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

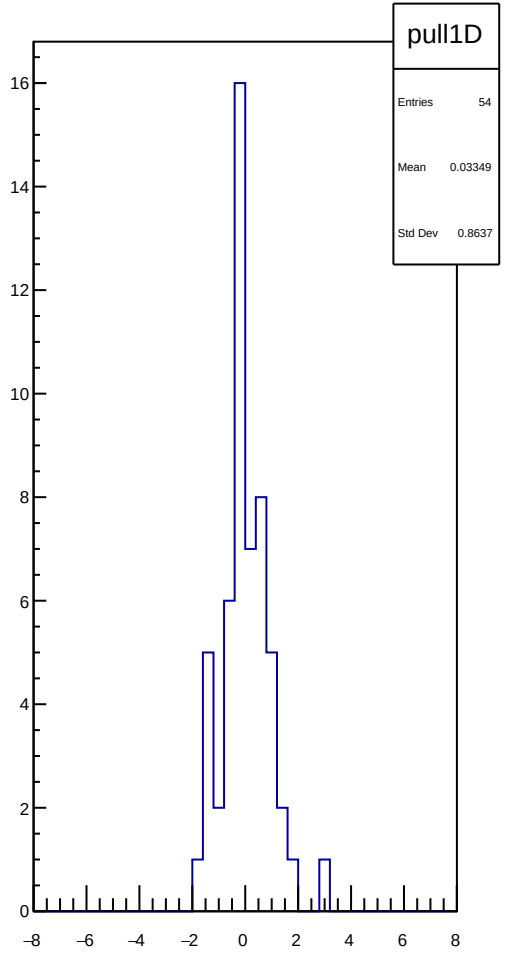

asym_bcm_dg_us_rms vs run
χ² / ndf 9.722e+04 / 53
p0 274.5 ± 0.2798
1400
1200
1000
800
600
400
200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 1
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

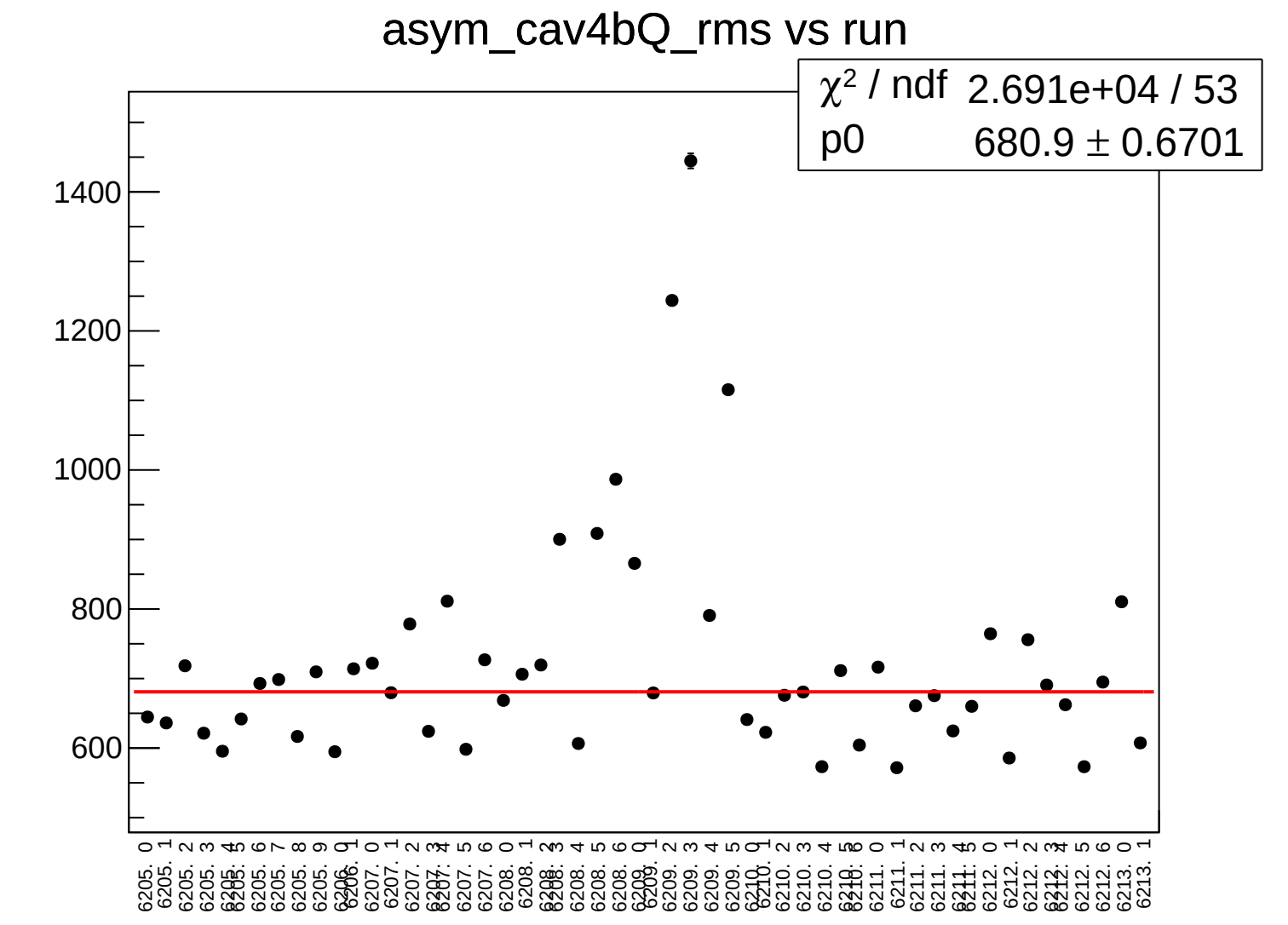

asym_bcm_dg_ds_mean vs run
χ² / ndf 126.1 / 53
p0 960 ± 398.7
30000
20000
10000
0
−10000
−20000
pull
Entries 54
Mean −144.7
Std Dev 0
10
8
6
4
2
0

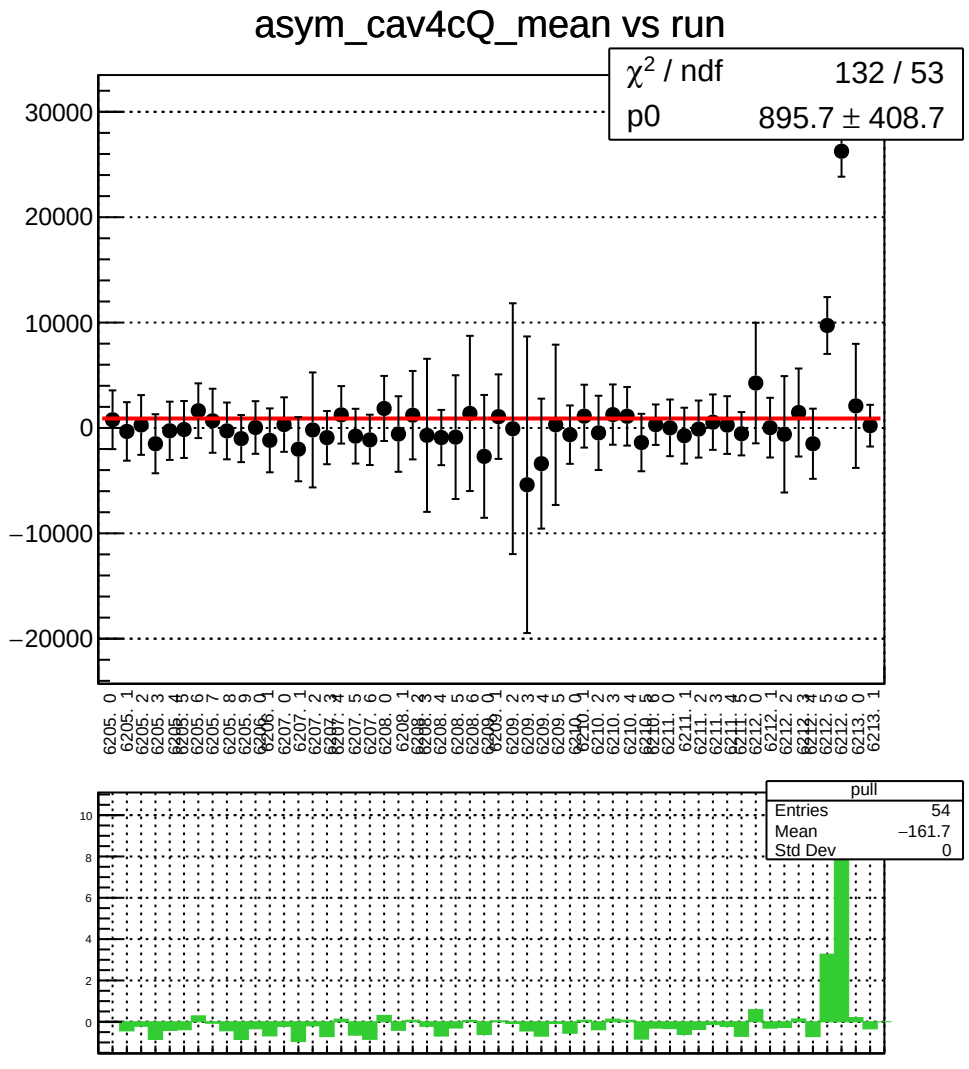

pull1D
Entries 54
Mean −0.2362
Std Dev 0.5791
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

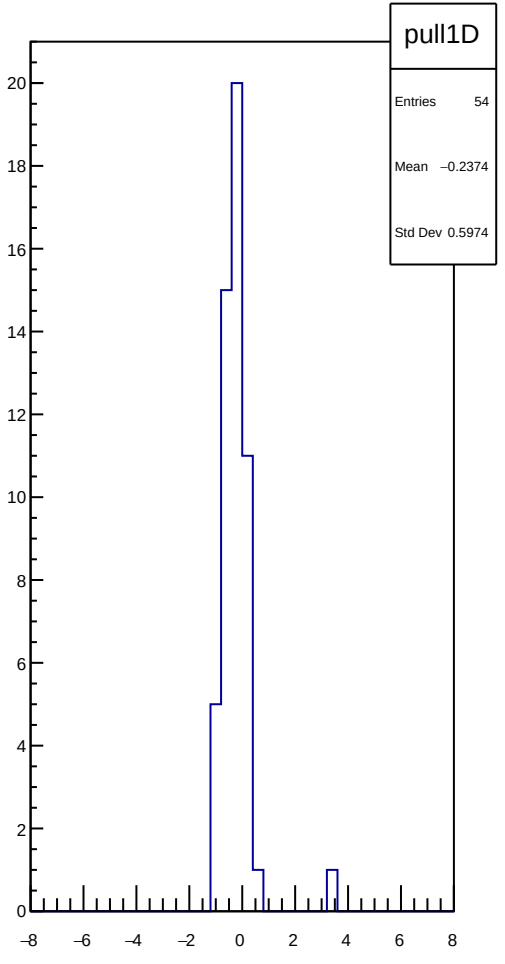

asym_bcm_dg_ds_rms vs run
χ² / ndf 9.766e+04 / 53
p0 276.5 ± 0.2819
1400
1200
1000
800
600
400
200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 1
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

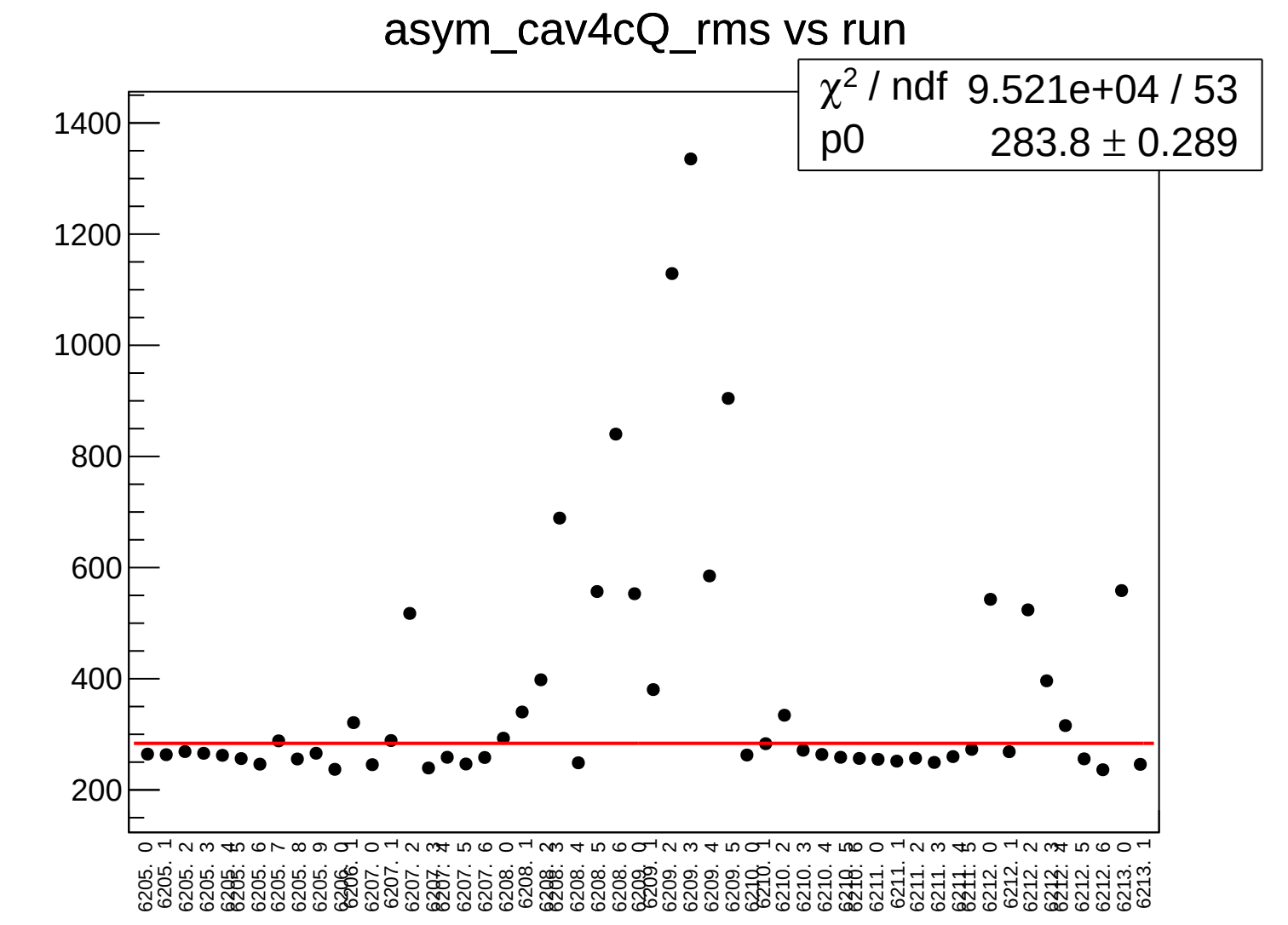

asym_cav4bQ_mean vs run
χ² / ndf 40.35 / 53
p0 555.7 ± 947.6
30000
20000
10000
0
−10000
−20000
pull
Entries 54
Mean 79.58
Std Dev 0

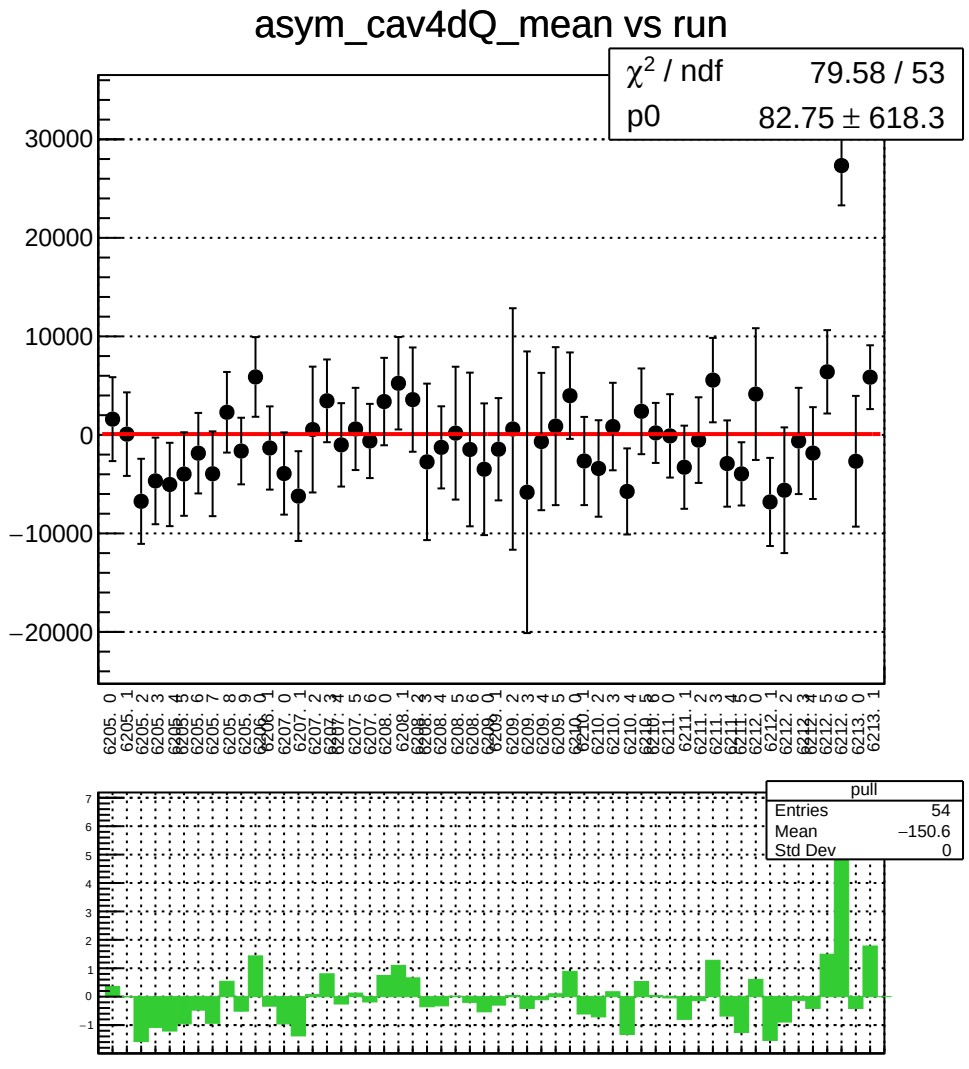

pull1D
Entries 54
Mean 0.03349
Std Dev 0.8637
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

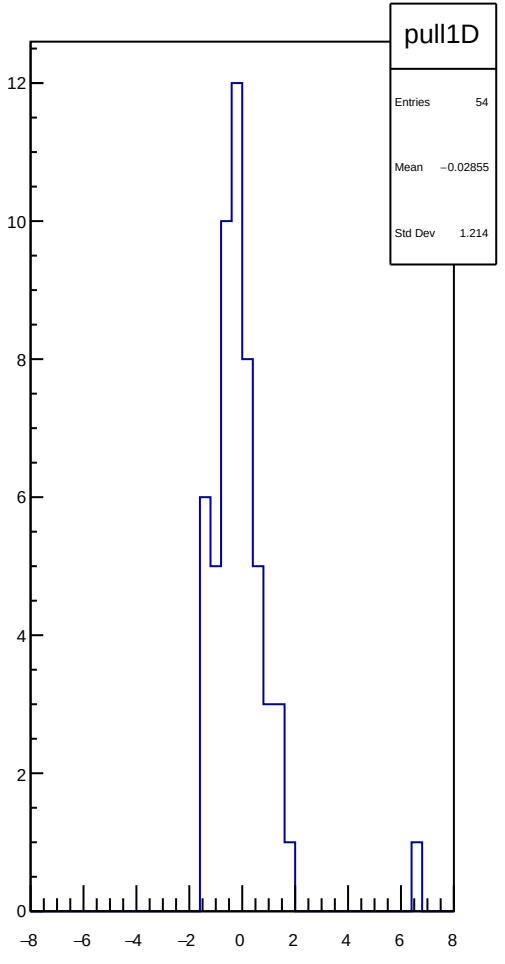

asym_cav4bQ_rms vs run
χ² / ndf 2.691e+04 / 53
p0 680.9 ± 0.6701
1400
1200
1000
800
600
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 1
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

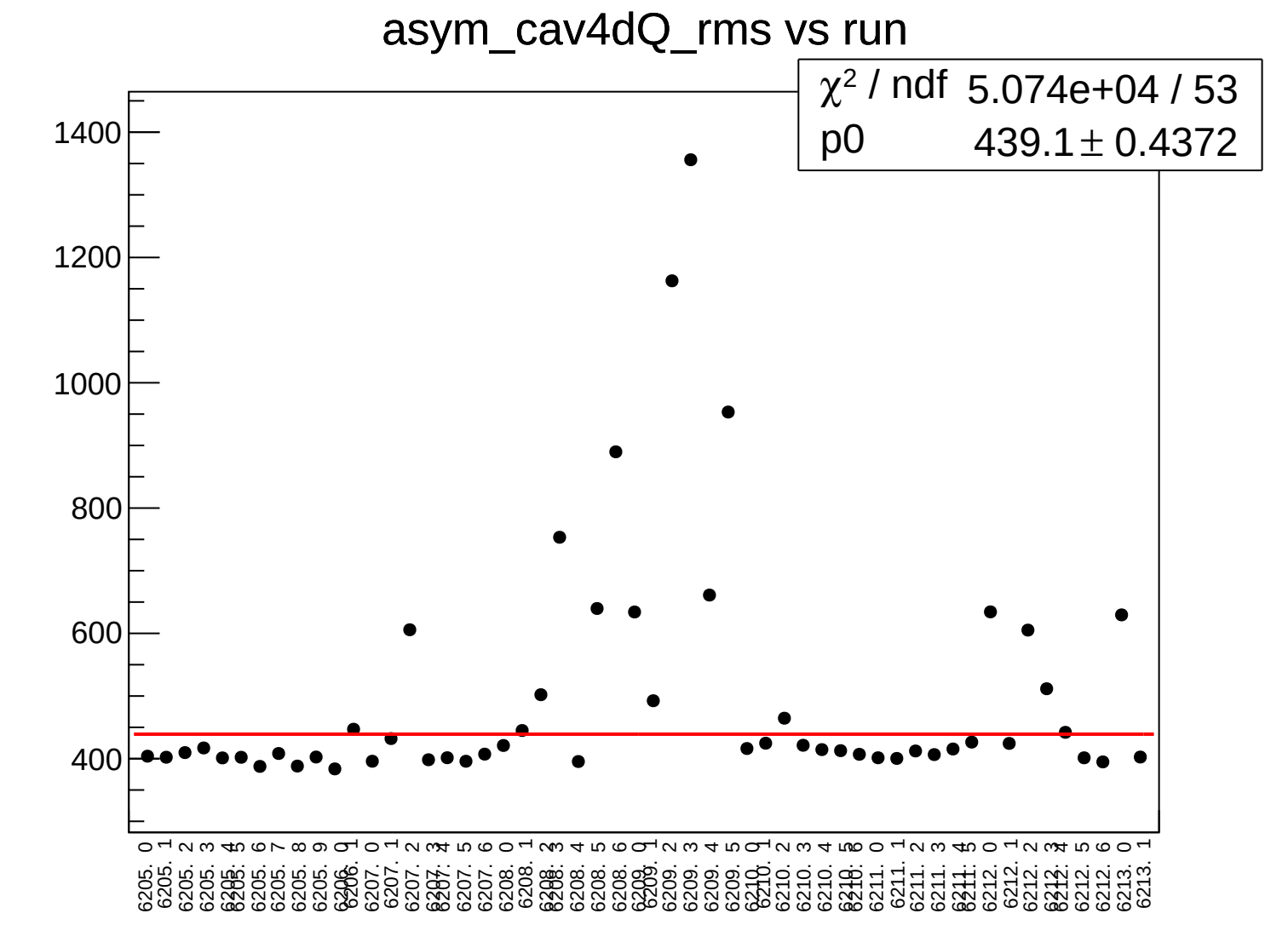

asym_cav4cQ_mean vs run
χ² / ndf 132 / 53
p0 895.7 ± 408.7
30000
20000
10000
0
−10000
−20000
pull
Entries 54
Mean −161.7
Std Dev 0

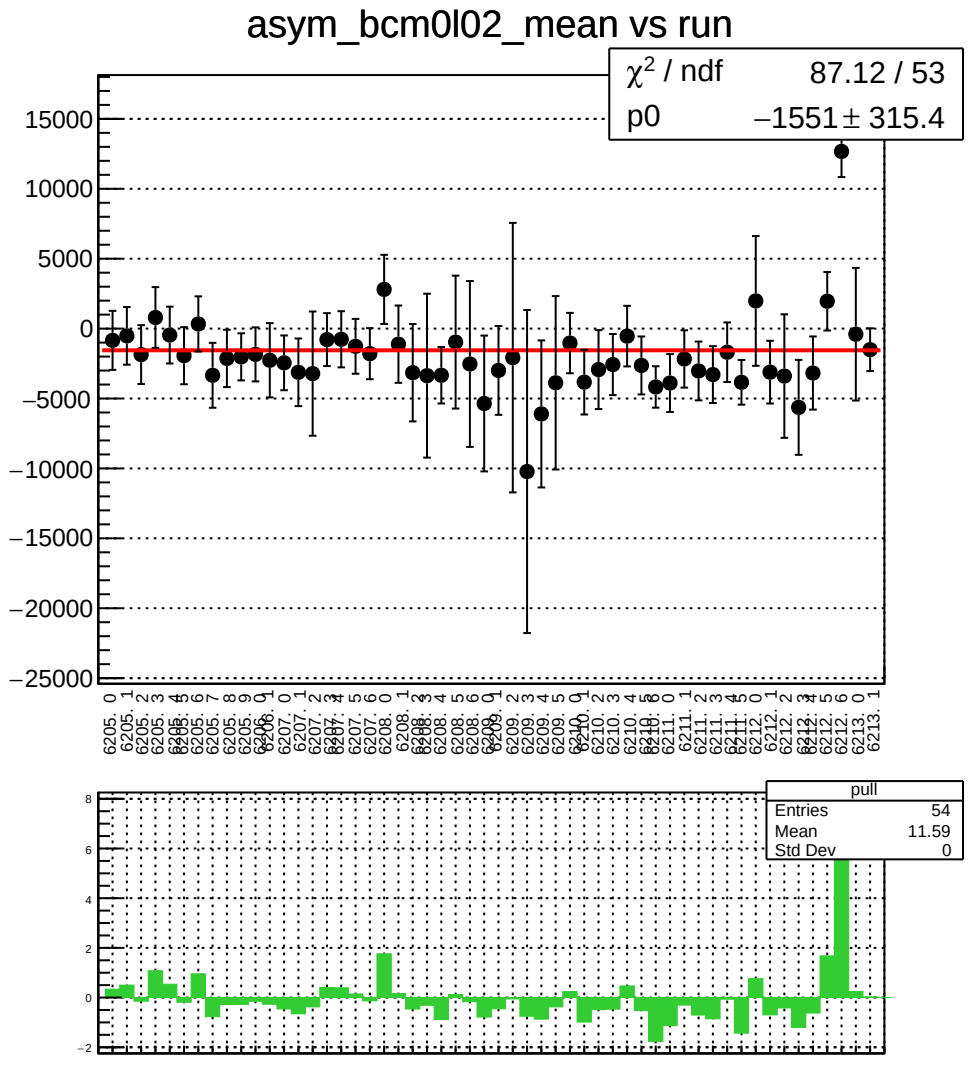

pull1D
Entries 54
Mean −0.2374
Std Dev 0.5974
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

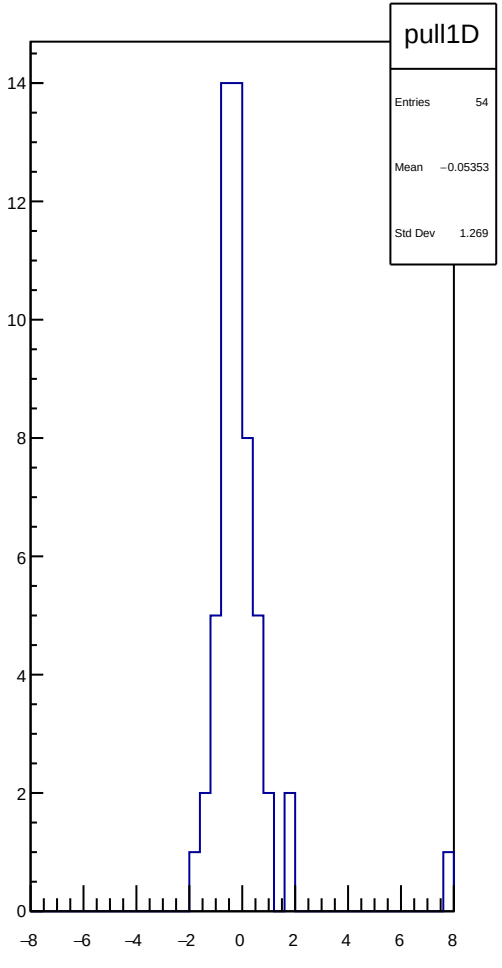

asym_cav4cQ_rms vs run
χ^2 / ndf 9.521e+04 / 53
p0 283.8 ± 0.289
1400
1200
1000
800
600
400
200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

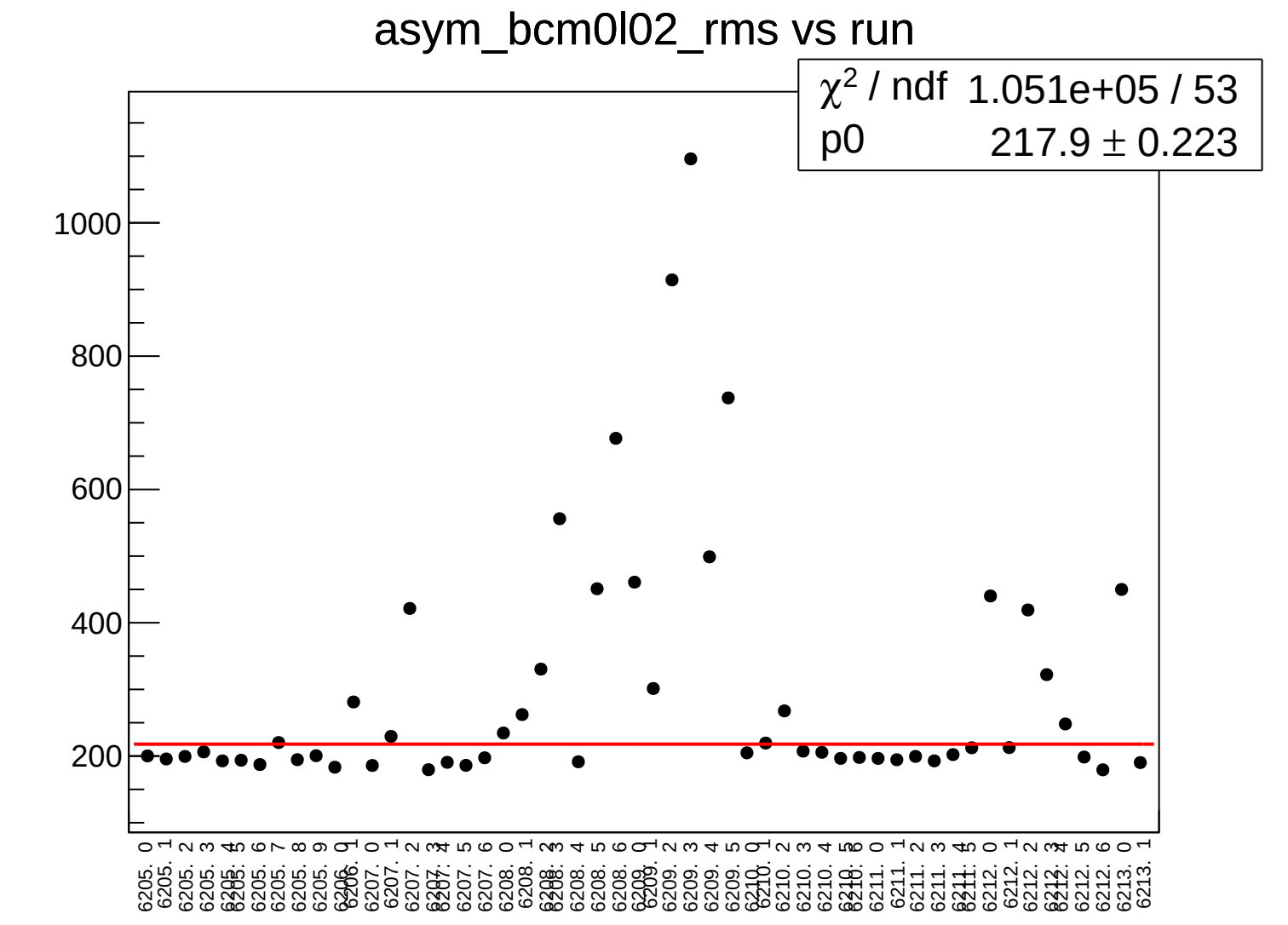

asym_cav4dQ_mean vs run
χ² / ndf 79.58 / 53
p0 82.75 ± 618.3
30000
20000
10000
0
−10000
−20000
pull
Entries 54
Mean −150.6
Std Dev 0

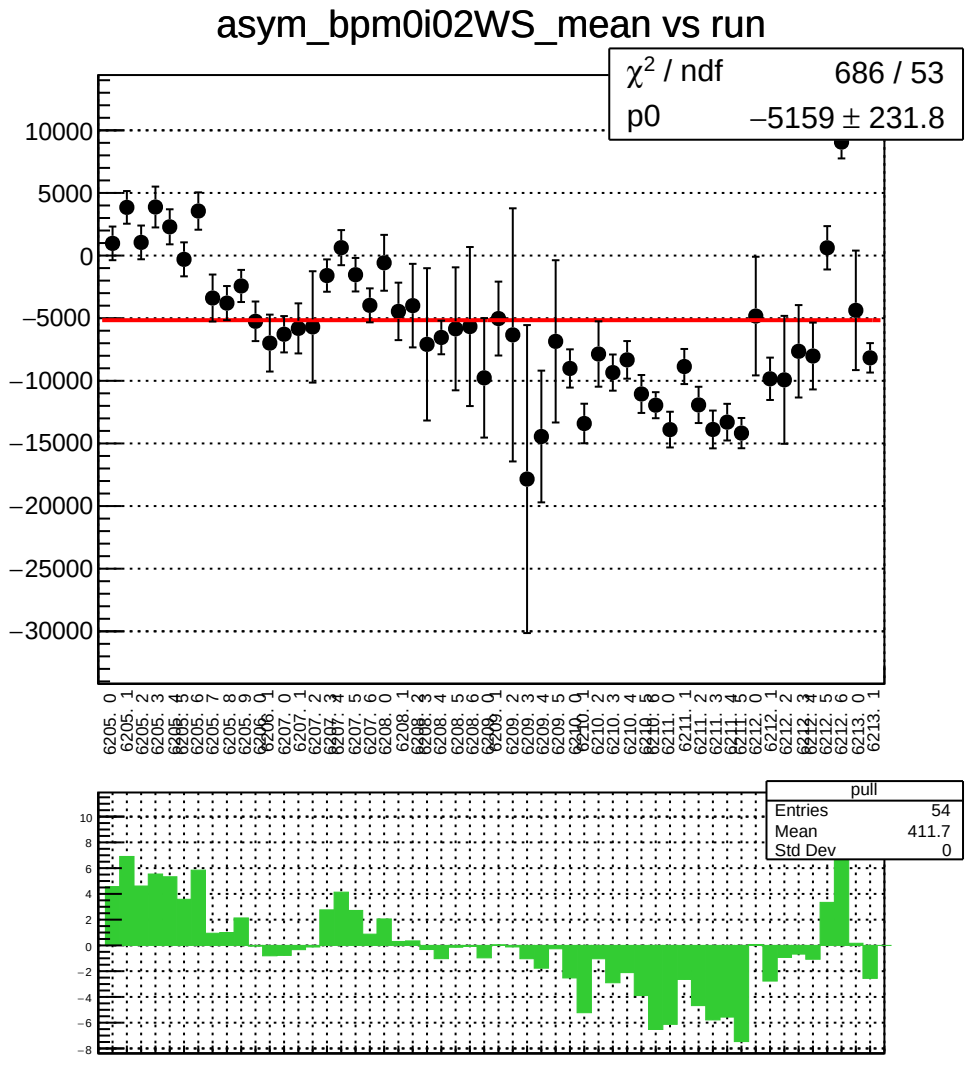

pull1D
Entries 54
Mean −0.02855
Std Dev 1.214
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

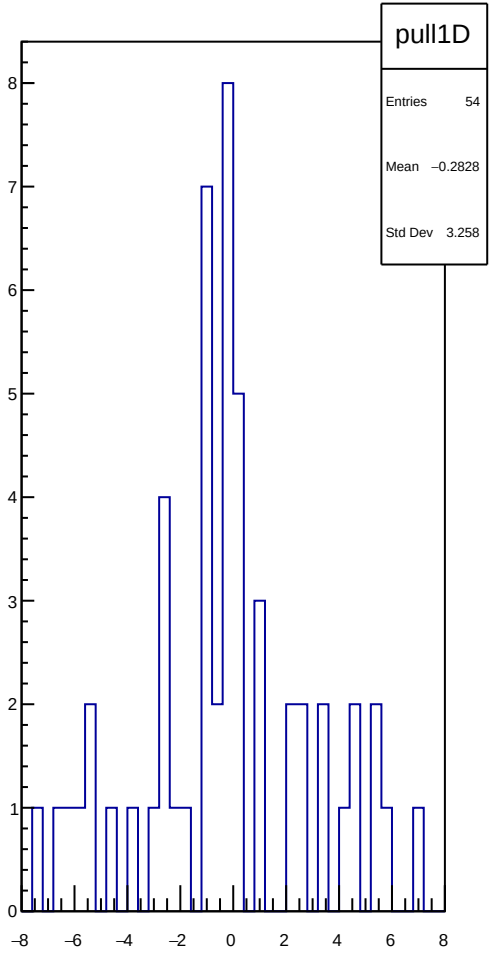

asym_cav4dQ_rms vs run
χ² / ndf 5.074e+04 / 53
p0 439.1 ± 0.4372
1400
1200
1000
800
600
400
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 1
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 1
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

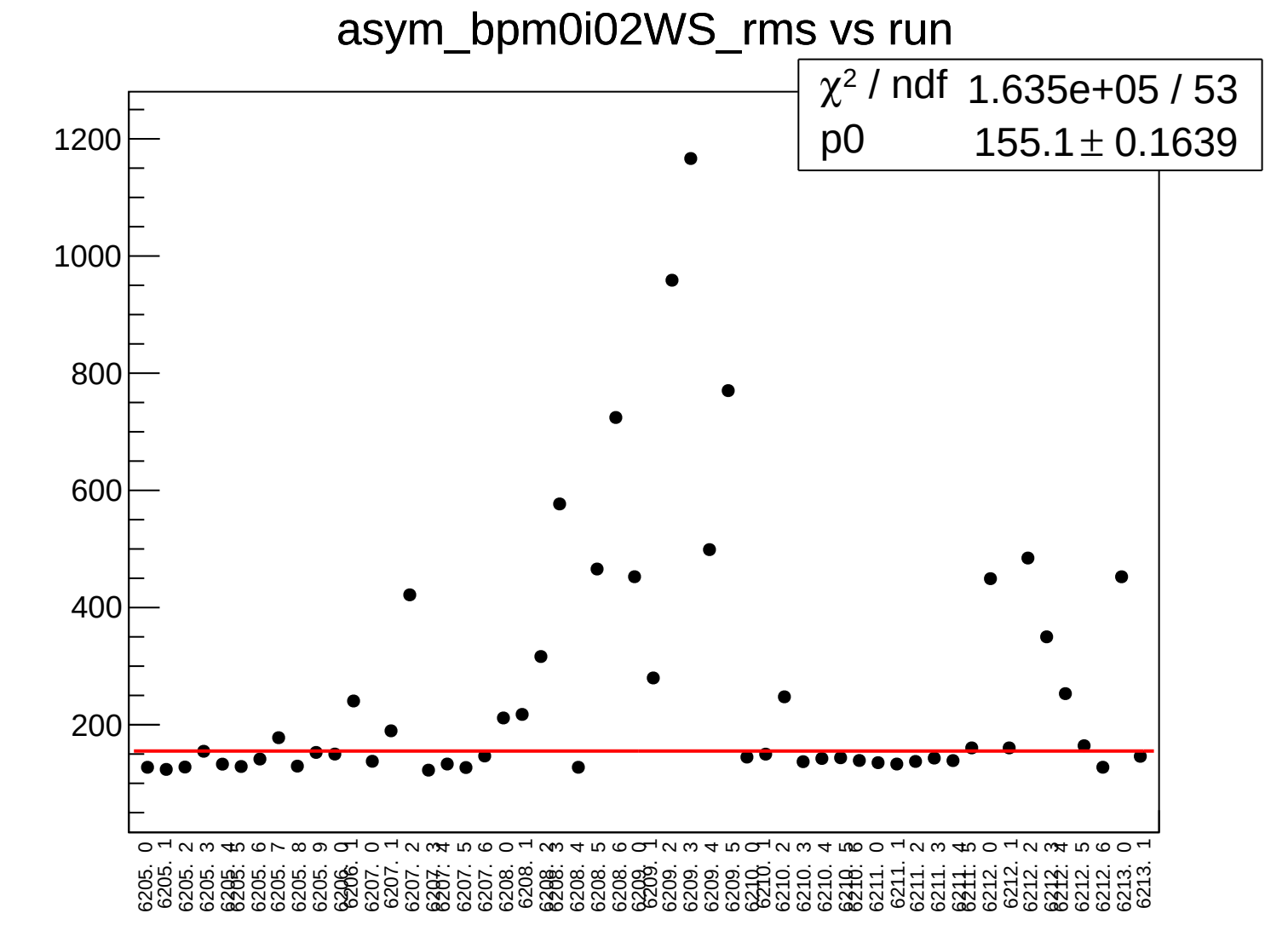

asym_bcm0l02_mean vs run
χ² / ndf 87.12 / 53
p0 −1551 ± 315.4
pull
Entries 54
Mean 11.59
Std Dev 0

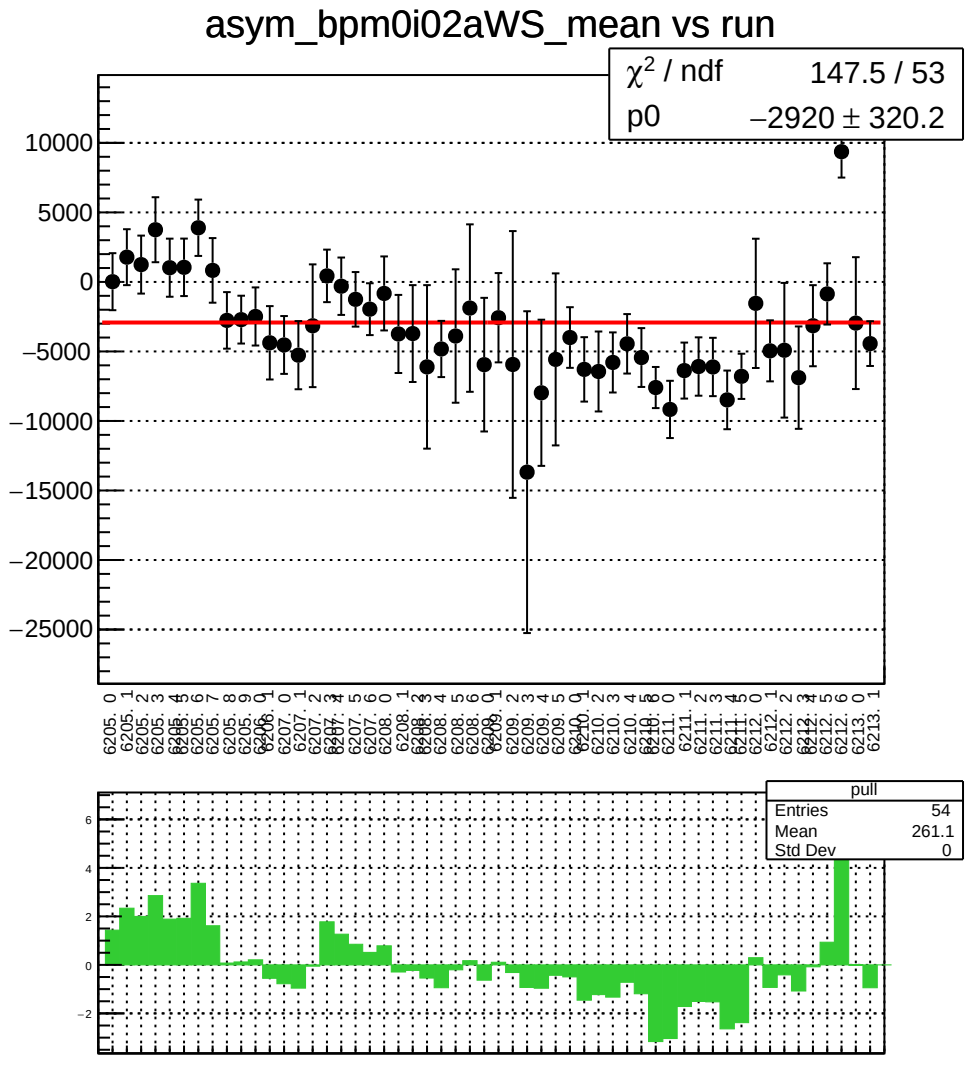

pull1D
Entries 54
Mean −0.05353
Std Dev 1.269

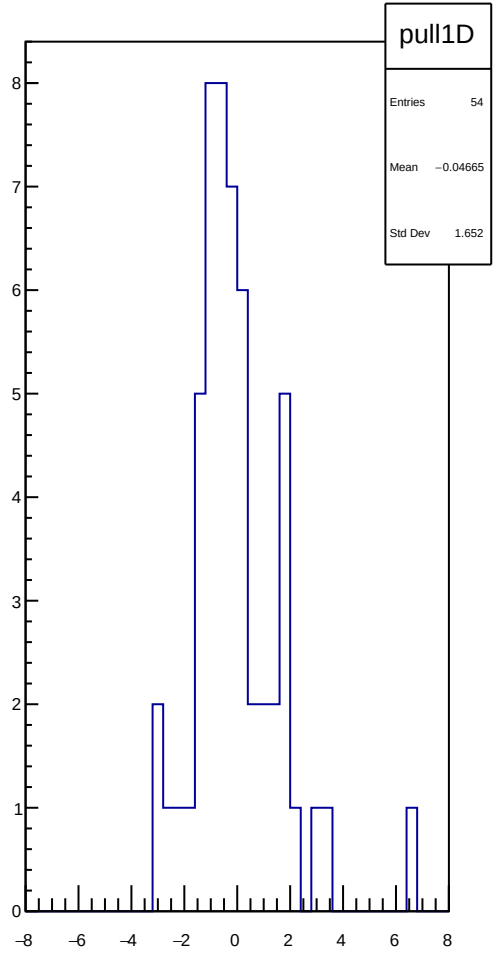

asym_bcm0l02_rms vs run
χ² / ndf 1.051e+05 / 53
p0 217.9 ± 0.223
1000
800
600
400
200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

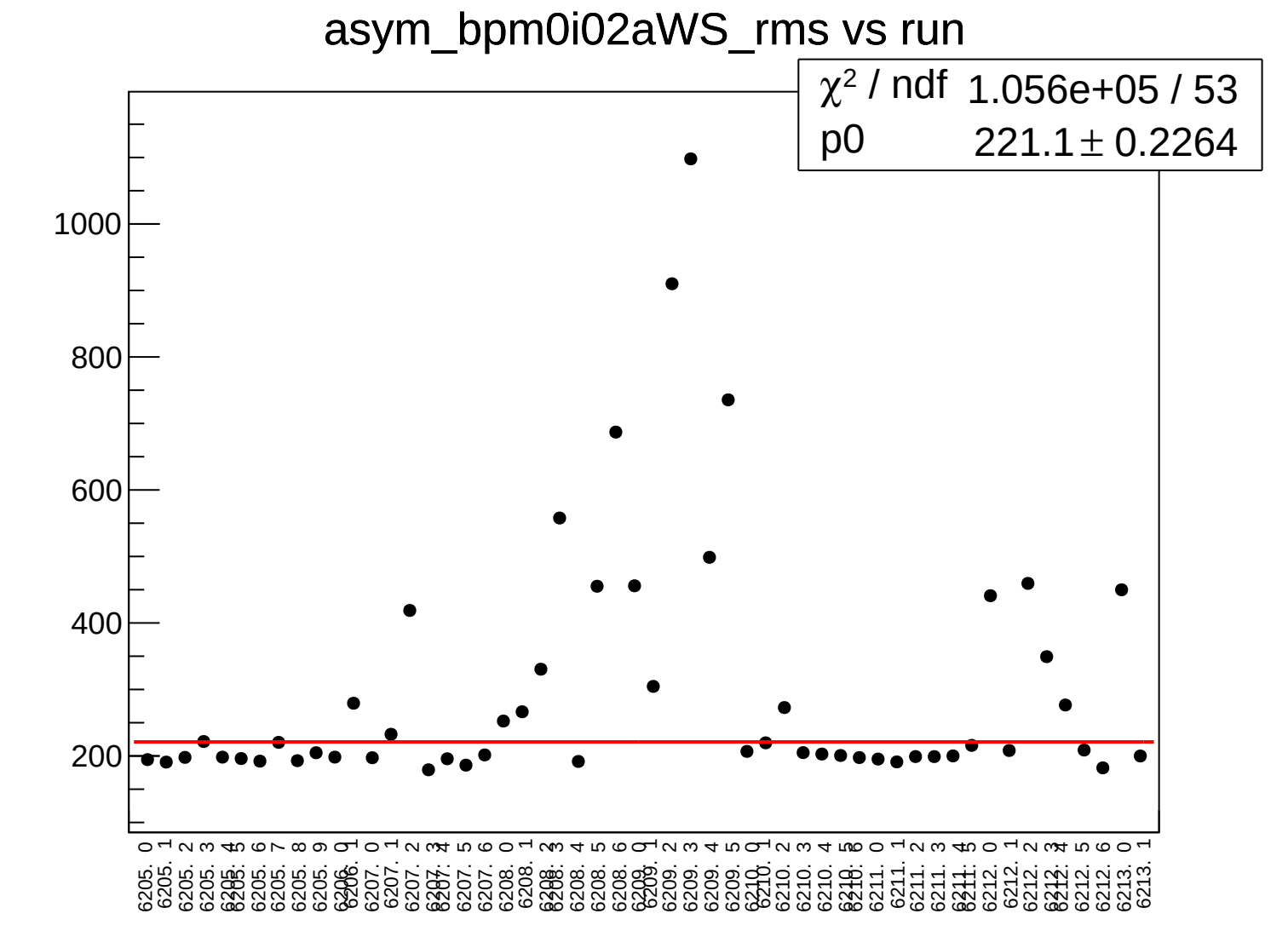

asym_bpm0i02WS_mean vs run
χ² / ndf 686 / 53
p0 −5159 ± 231.8
pull
Entries 54
Mean 411.7
Std Dev 0

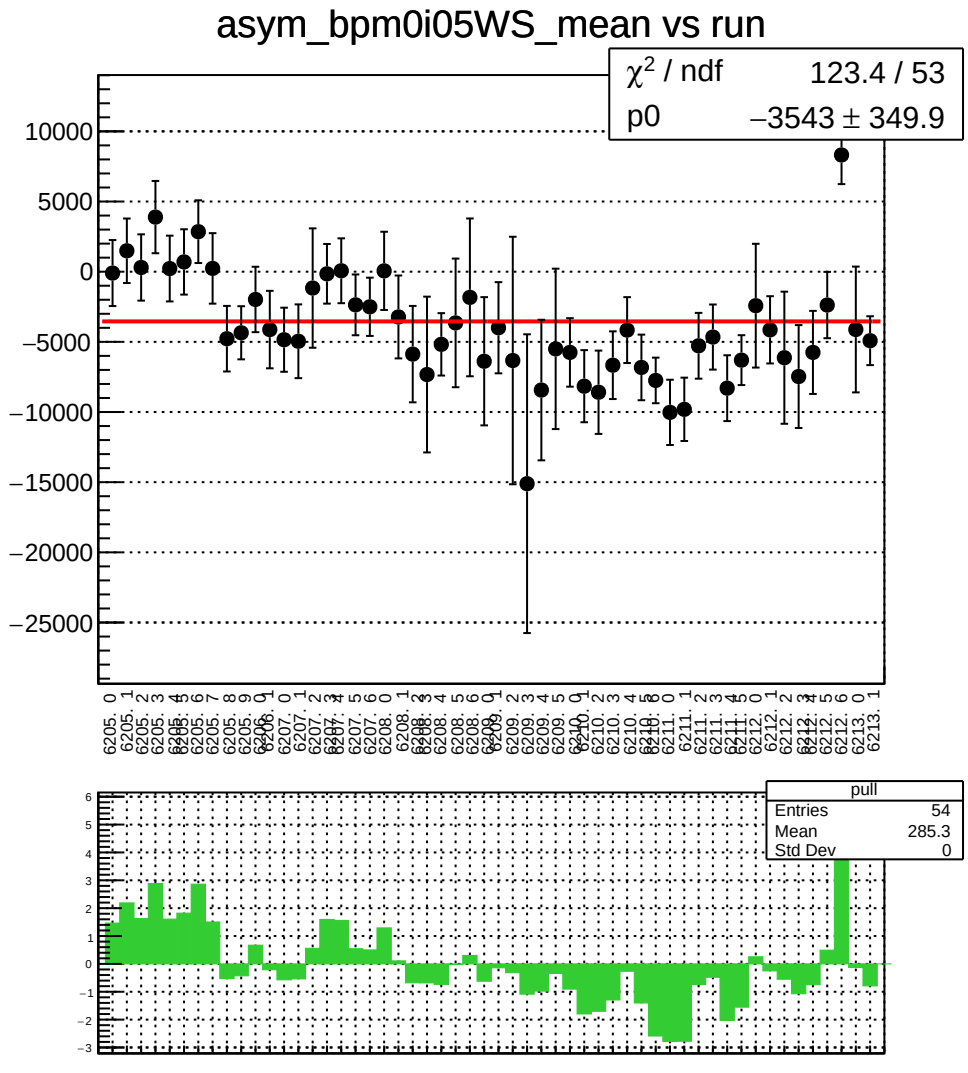

pull1D
Entries 54
Mean −0.2828
Std Dev 3.258

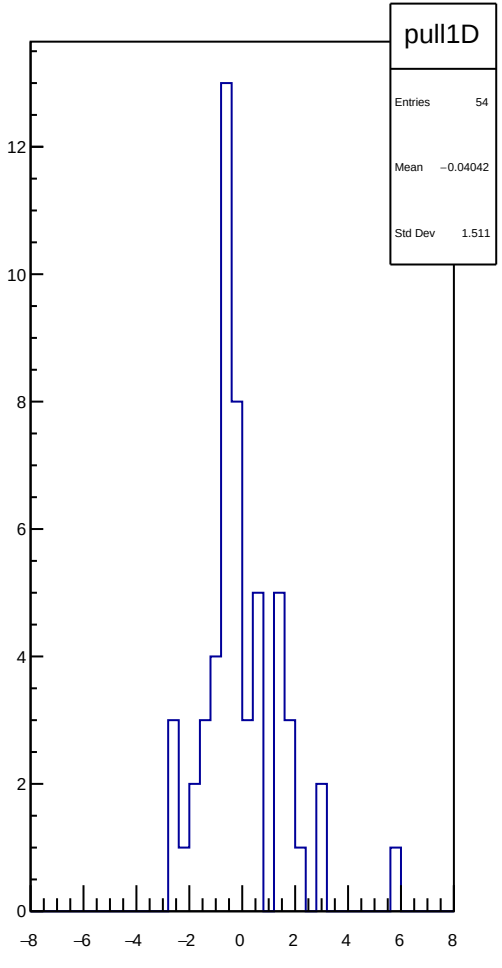

asym_bpm0i02WS_rms vs run
χ² / ndf 1.635e+05 / 53
p0 155.1 ± 0.1639
1200
1000
800
600
400
200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

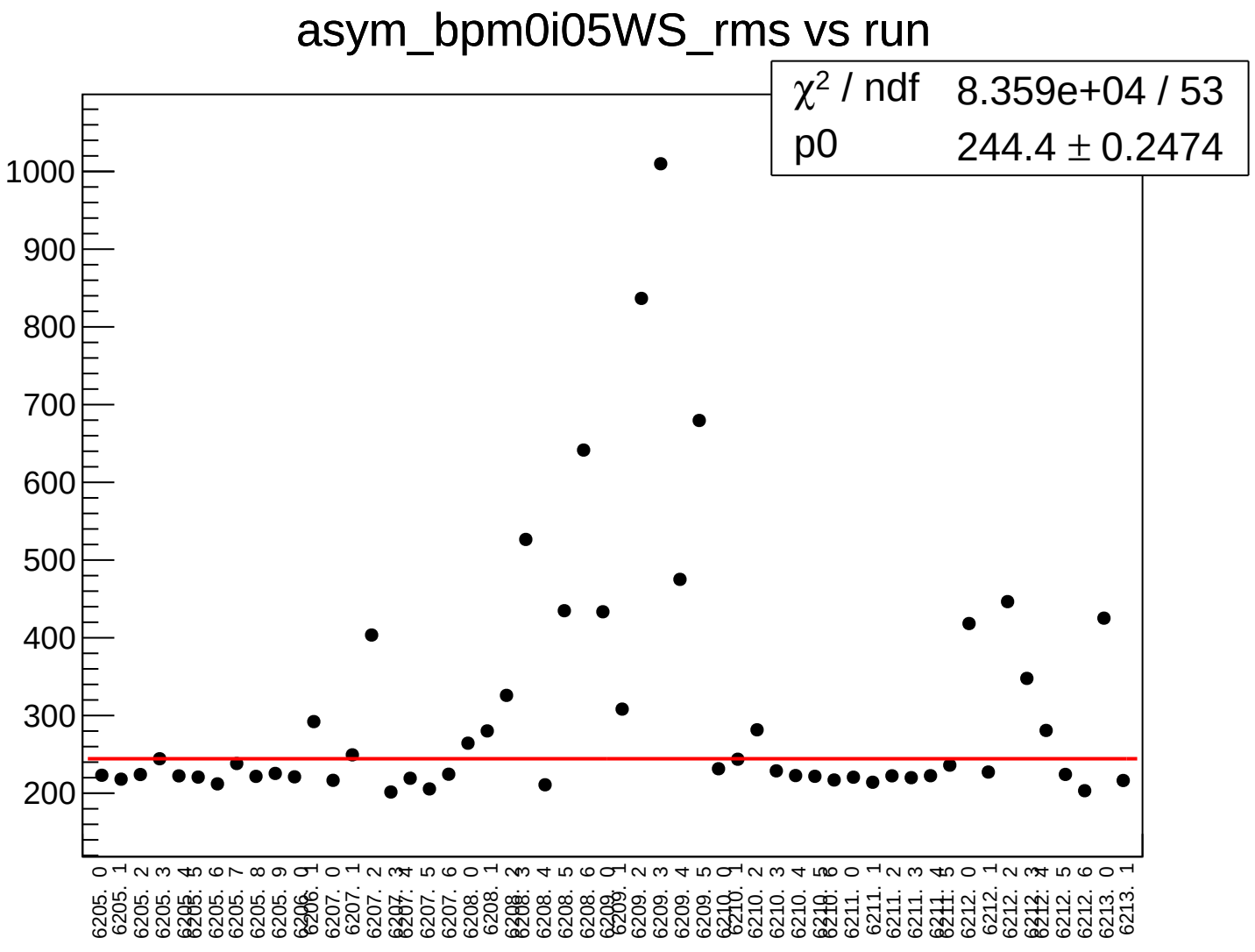

asym_bpm0i02aWS_mean vs run
χ² / ndf 147.5 / 53
p0 −2920 ± 320.2
pull
Entries 54
Mean 261.1
Std Dev 0

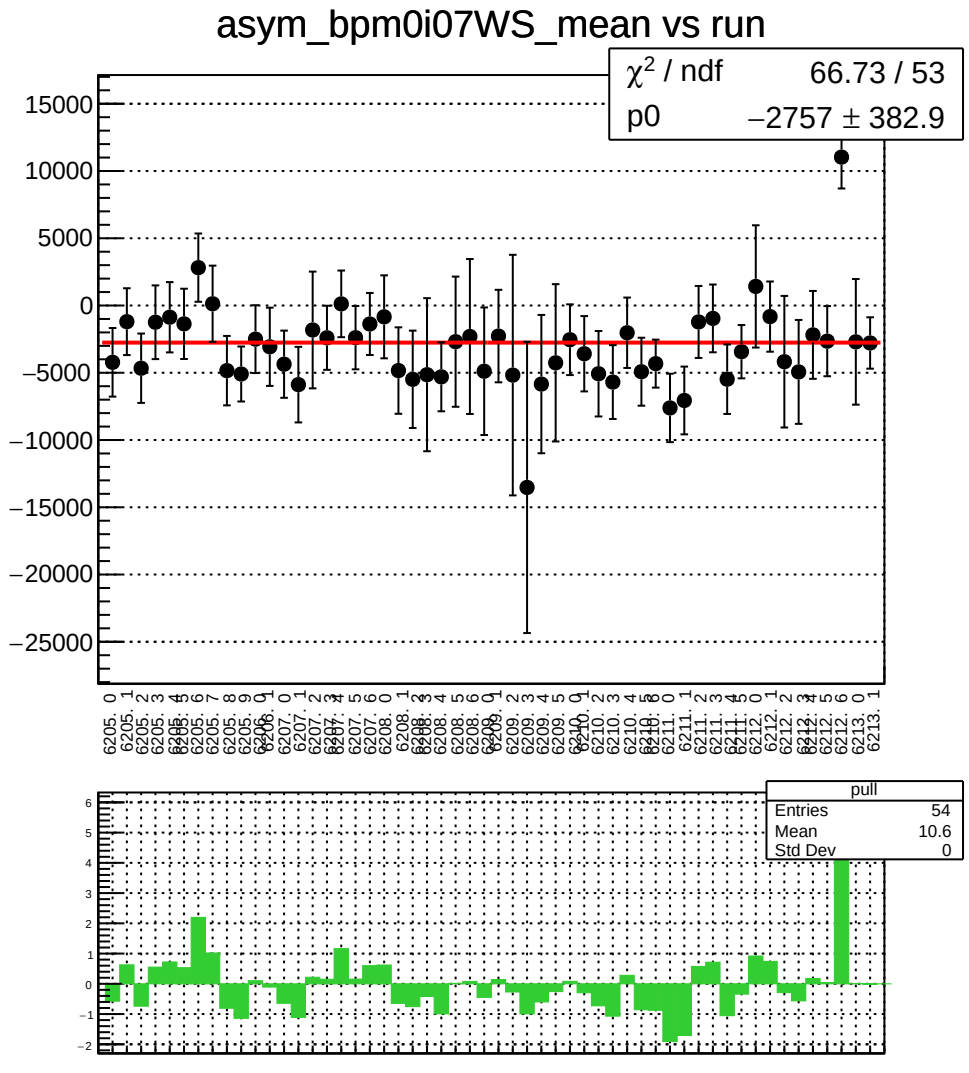

pull1D
Entries 54
Mean −0.04665
Std Dev 1.652

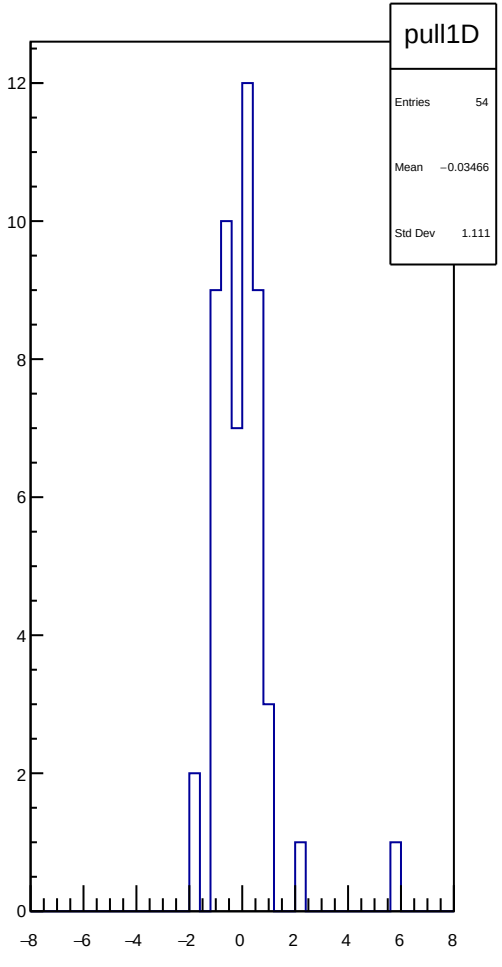

asym_bpm0i02aWS_rms vs run
χ² / ndf 1.056e+05 / 53
p0 221.1 ± 0.2264
1000
800
600
400
200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

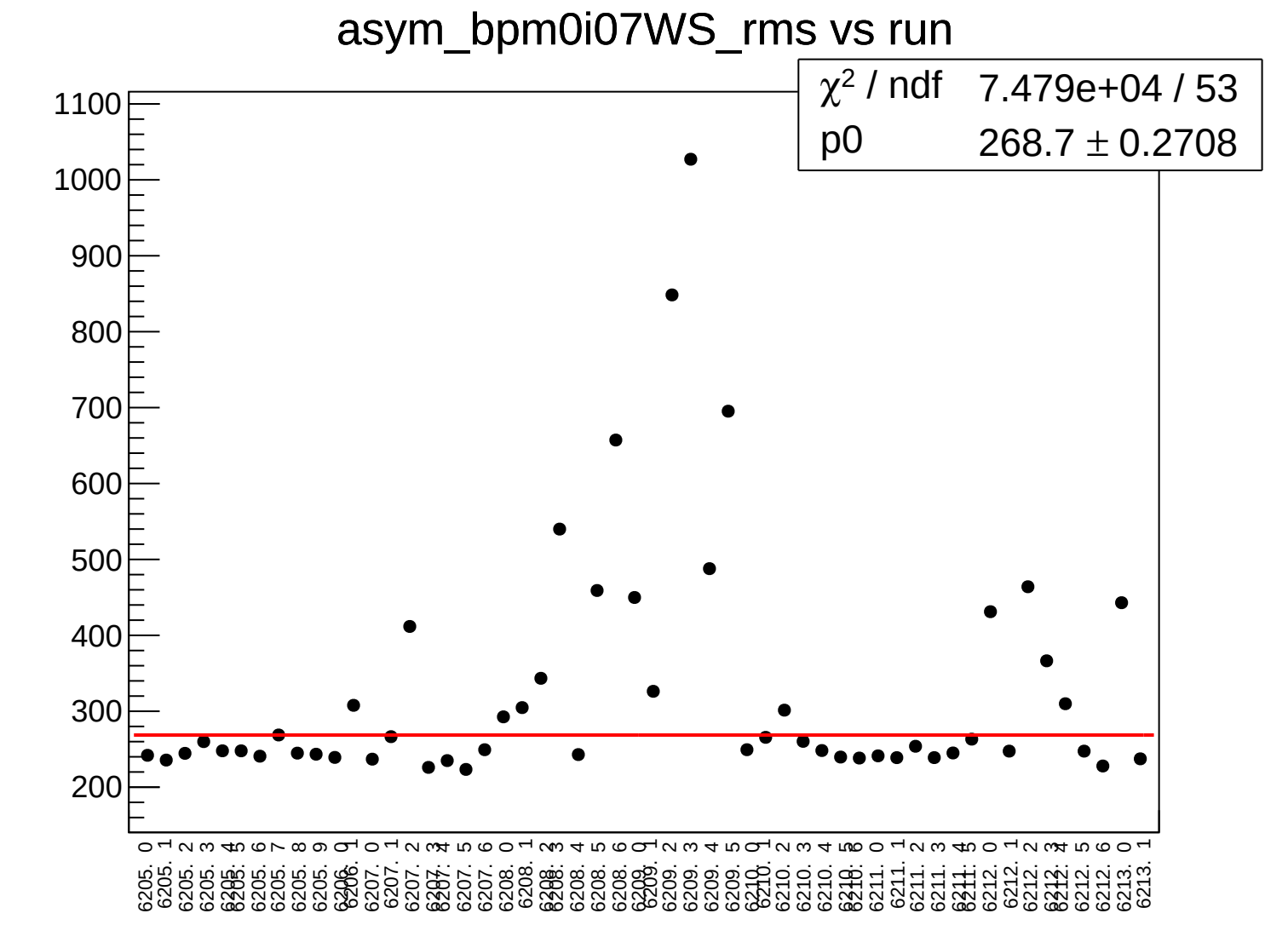

asym_bpm0i05WS_mean vs run
χ² / ndf 123.4 / 53
p0 −3543 ± 349.9
pull
Entries 54
Mean 285.3
Std Dev 0

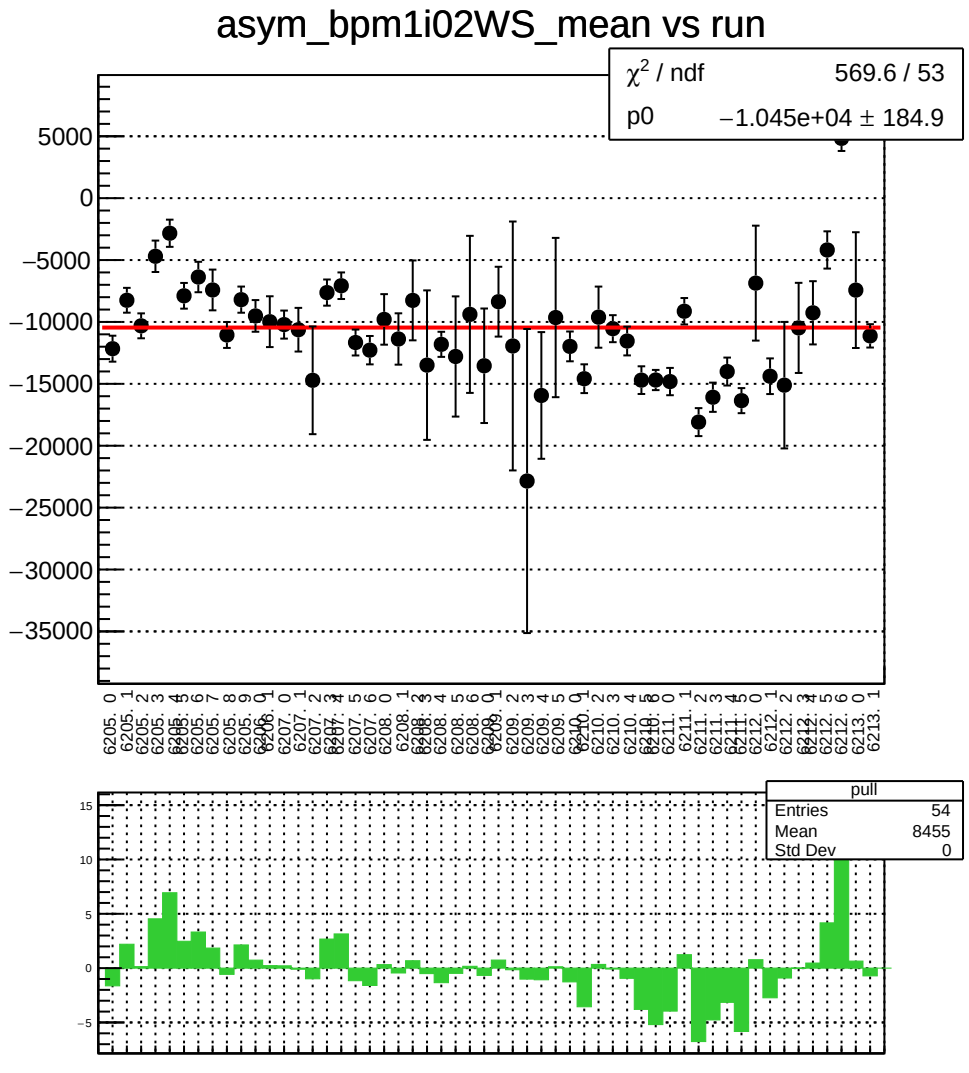

pull1D
Entries 54
Mean −0.04042
Std Dev 1.511

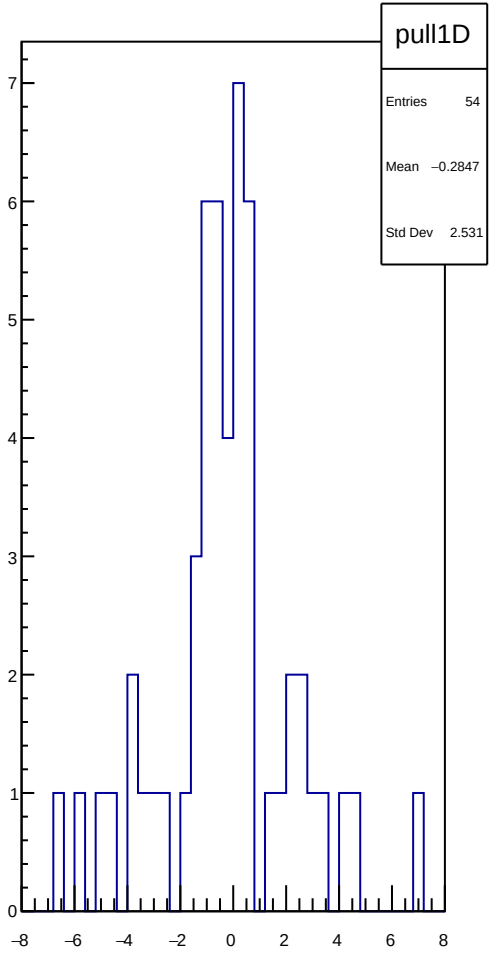

asym_bpm0i05WS_rms vs run
χ^2 / ndf 8.359e+04 / 53
p0 244.4 ± 0.2474
1000
900
800
700
600
500
400
300
200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

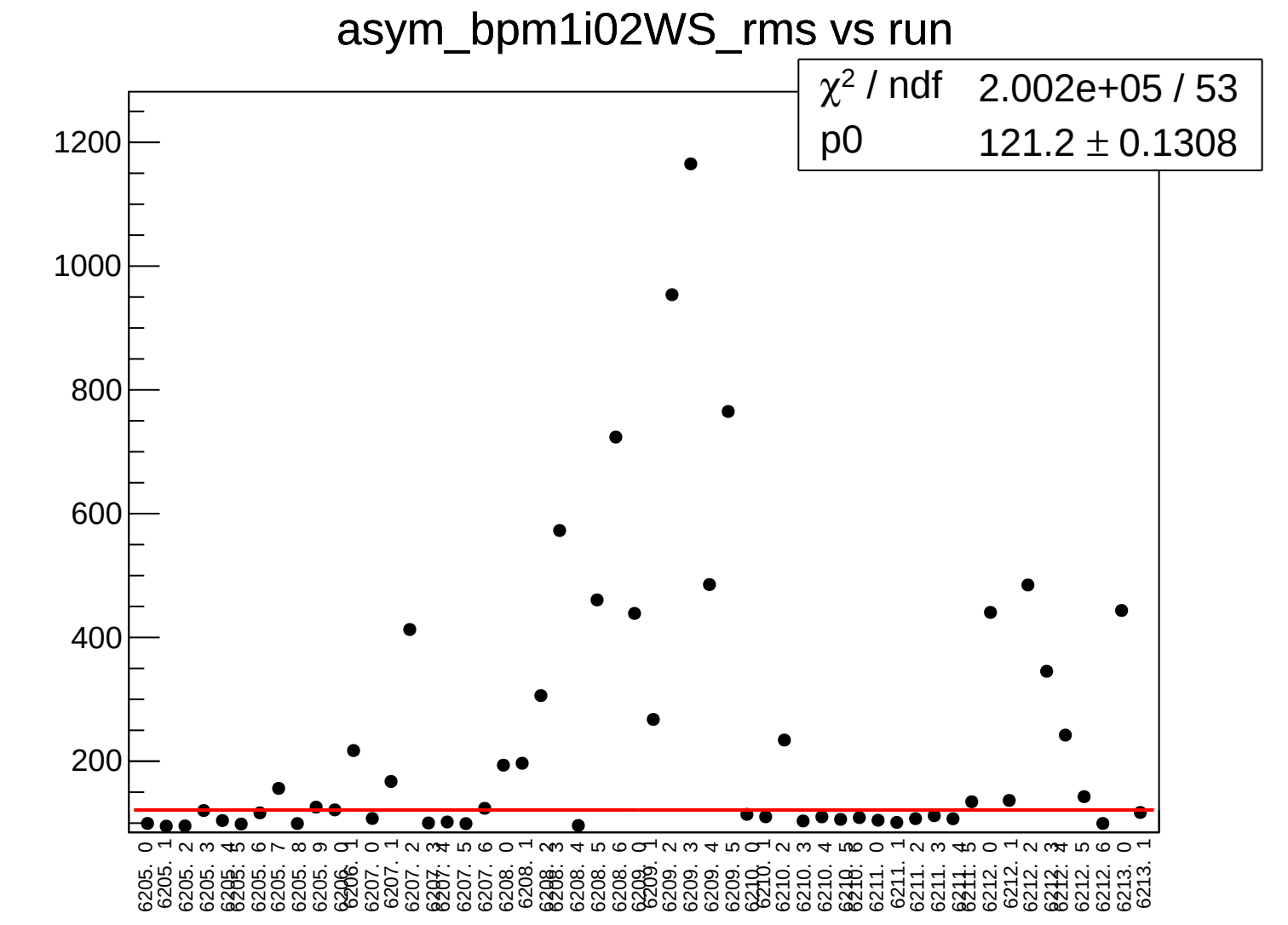

asym_bpm0i07WS_mean vs run
χ² / ndf 66.73 / 53
p0 −2757 ± 382.9
pull
Entries 54
Mean 10.6
Std Dev 0

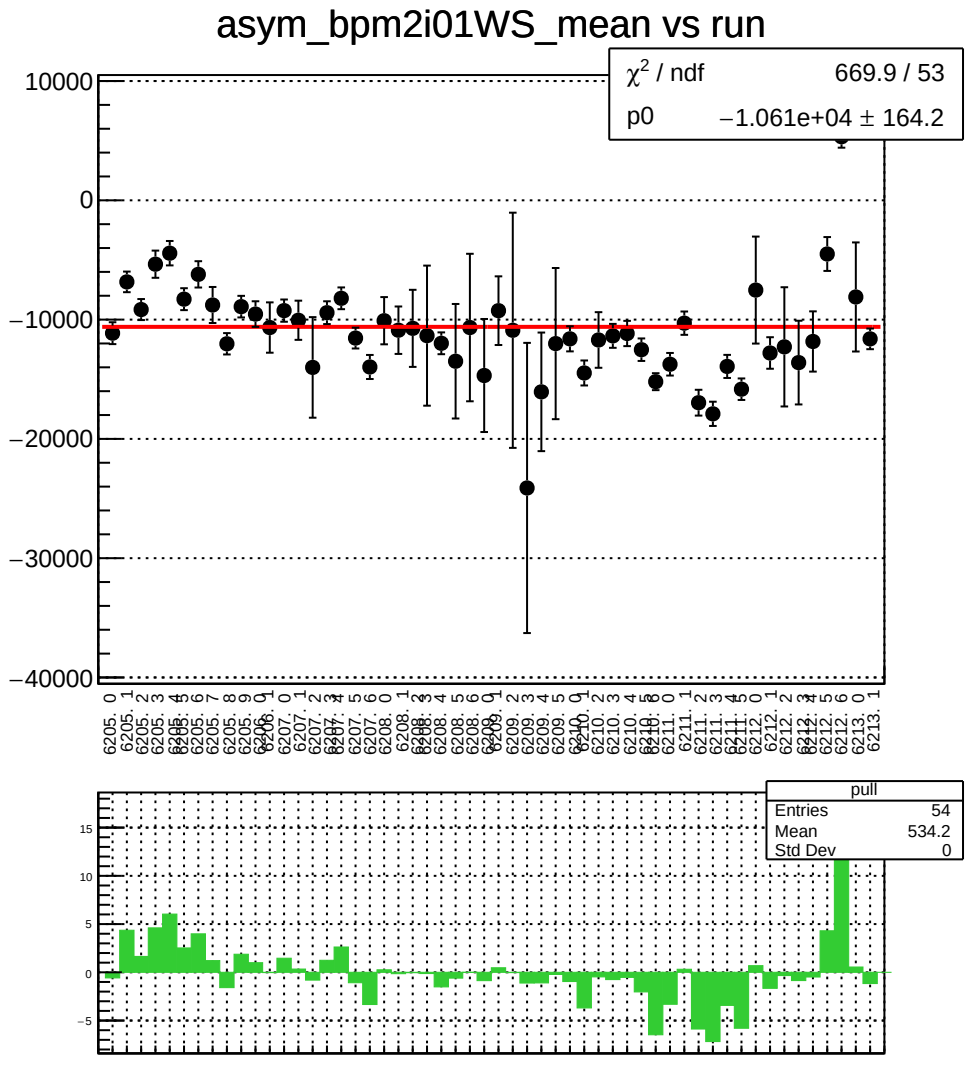

pull1D
Entries 54
Mean −0.03466
Std Dev 1.111

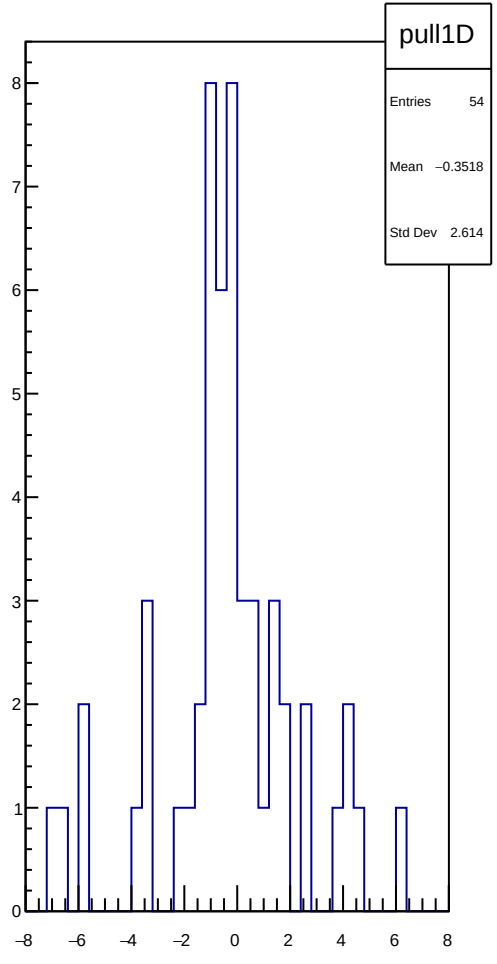

asym_bpm0i07WS_rms vs run
χ² / ndf 7.479e+04 / 53
p0 268.7 ± 0.2708
1100
1000
900
800
700
600
500
400
300
200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

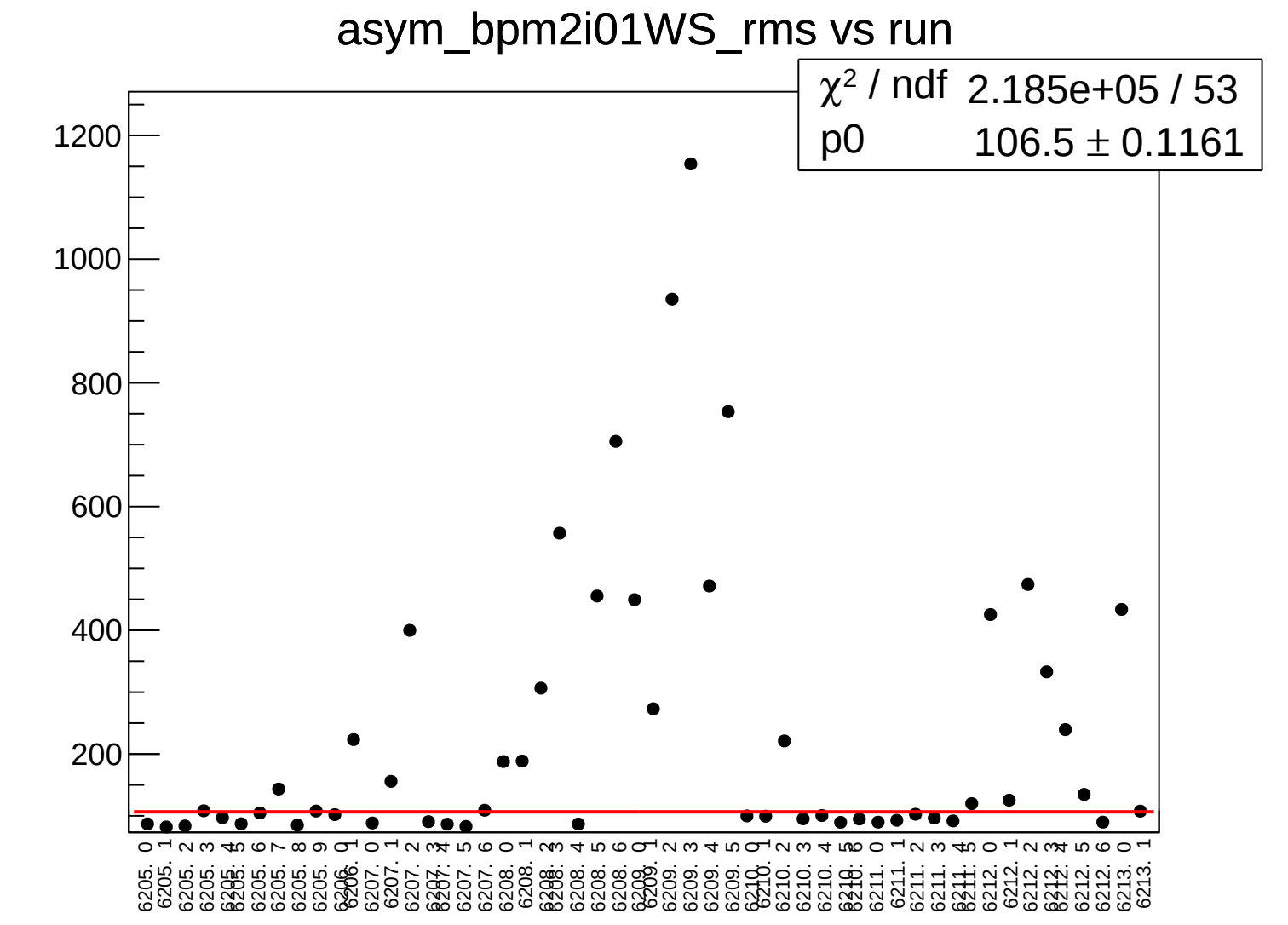

asym_bpm1i02WS_mean vs run
χ² / ndf 569.6 / 53
p0 −1.045e+04 ± 184.9
pull
Entries 54
Mean 8455
Std Dev 0

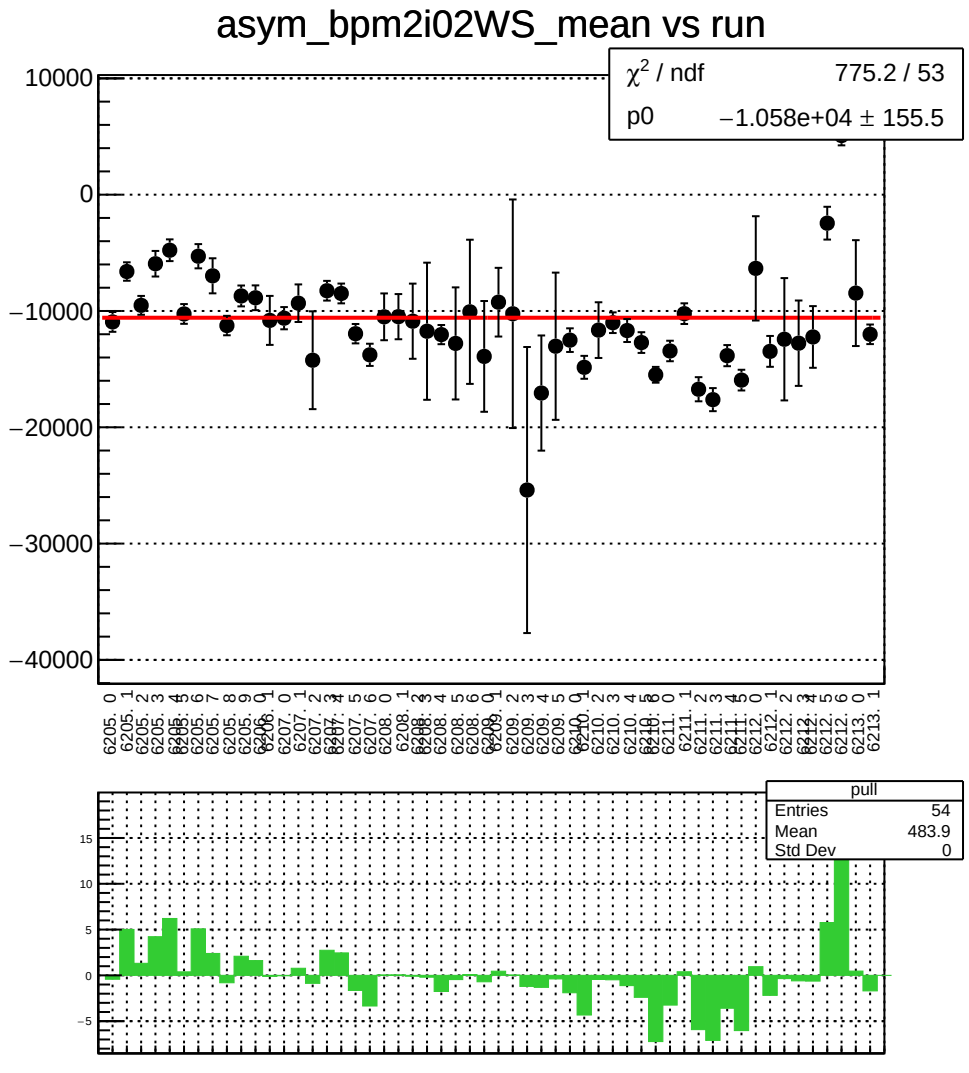

pull1D
Entries 54
Mean −0.2847
Std Dev 2.531

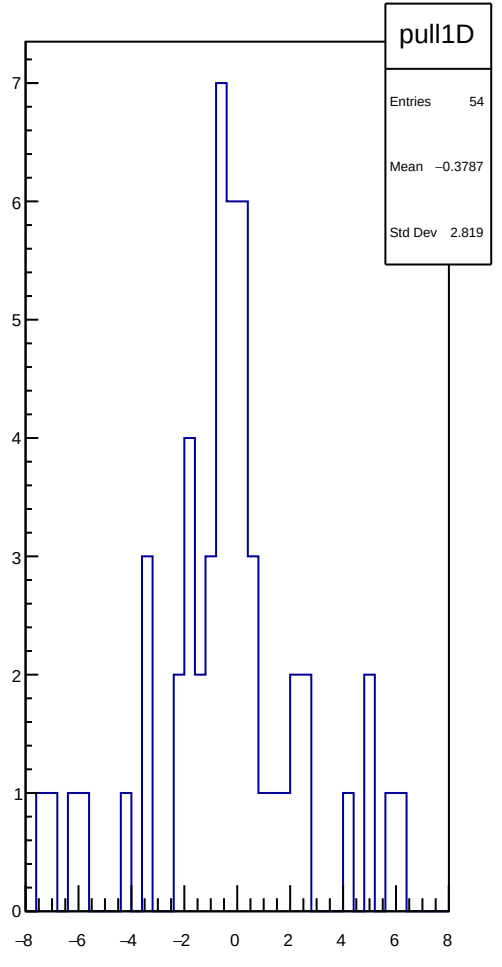

asym_bpm1i02WS_rms vs run
χ² / ndf 2.002e+05 / 53
p0 121.2 ± 0.1308
1200
1000
800
600
400
200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 1
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

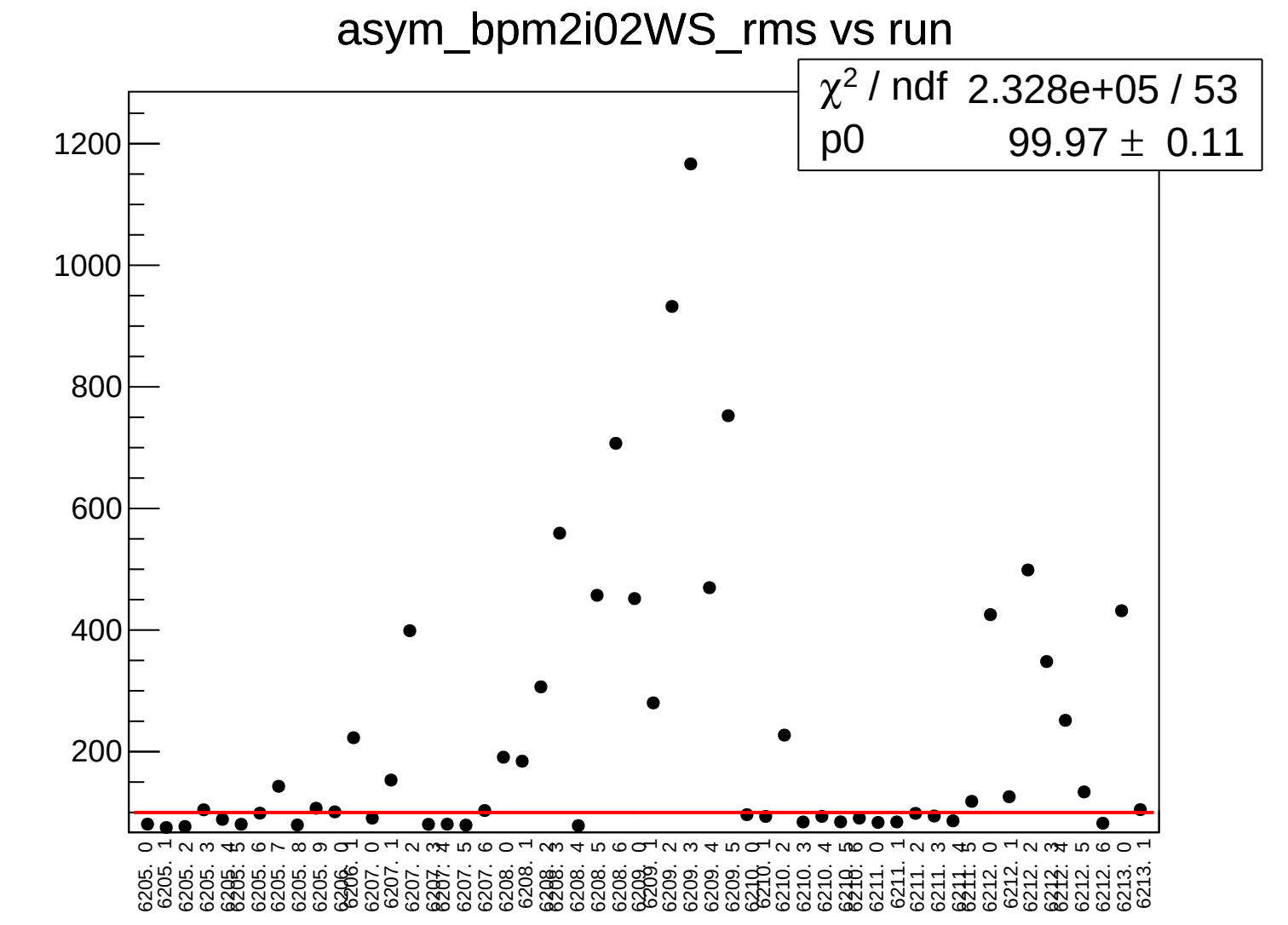

asym_bpm2i01WS_mean vs run
χ² / ndf 669.9 / 53
p0 −1.061e+04 ± 164.2
10000
0
−10000
−20000
−30000
−40000
pull
Entries 54
Mean 534.2
Std Dev 0
15
10
5
0
−5

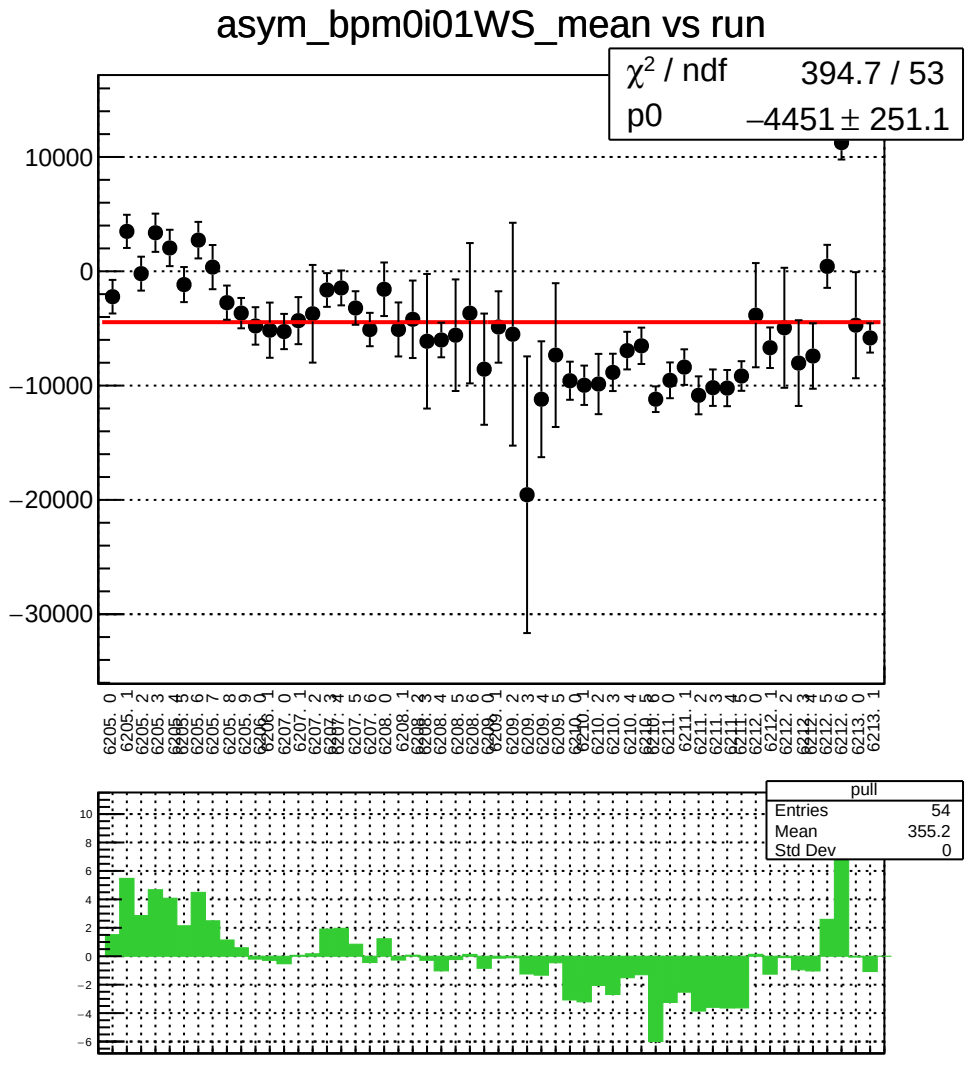

pull1D
Entries 54
Mean −0.3518
Std Dev 2.614
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

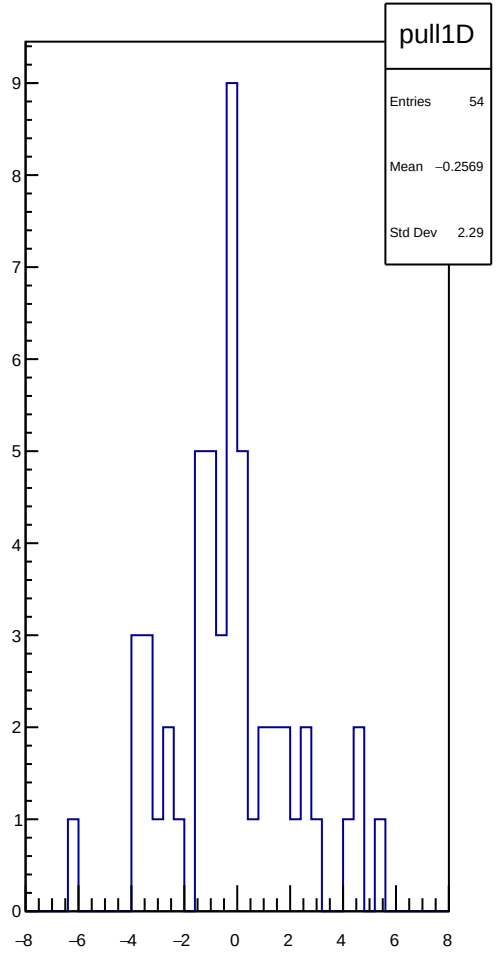

asym_bpm2i01WS_rms vs run
χ² / ndf 2.185e+05 / 53
p0 106.5 ± 0.1161
1200
1000
800
600
400
200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

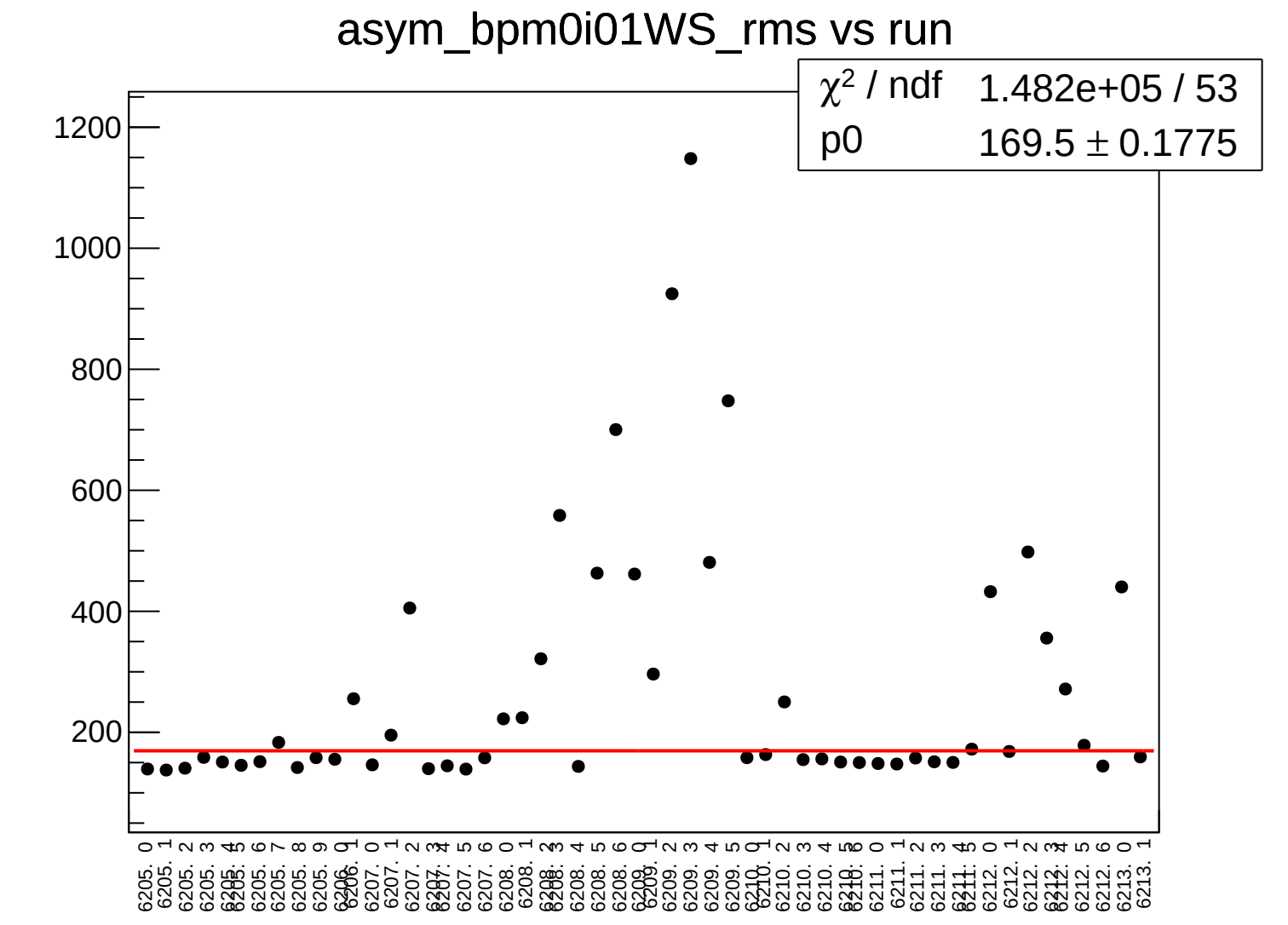

asym_bpm2i02WS_mean vs run
χ² / ndf 775.2 / 53
p0 −1.058e+04 ± 155.5
10000
0
−10000
−20000
−30000
−40000
pull
Entries 54
Mean 483.9
Std Dev 0
15
10
5
0
−5

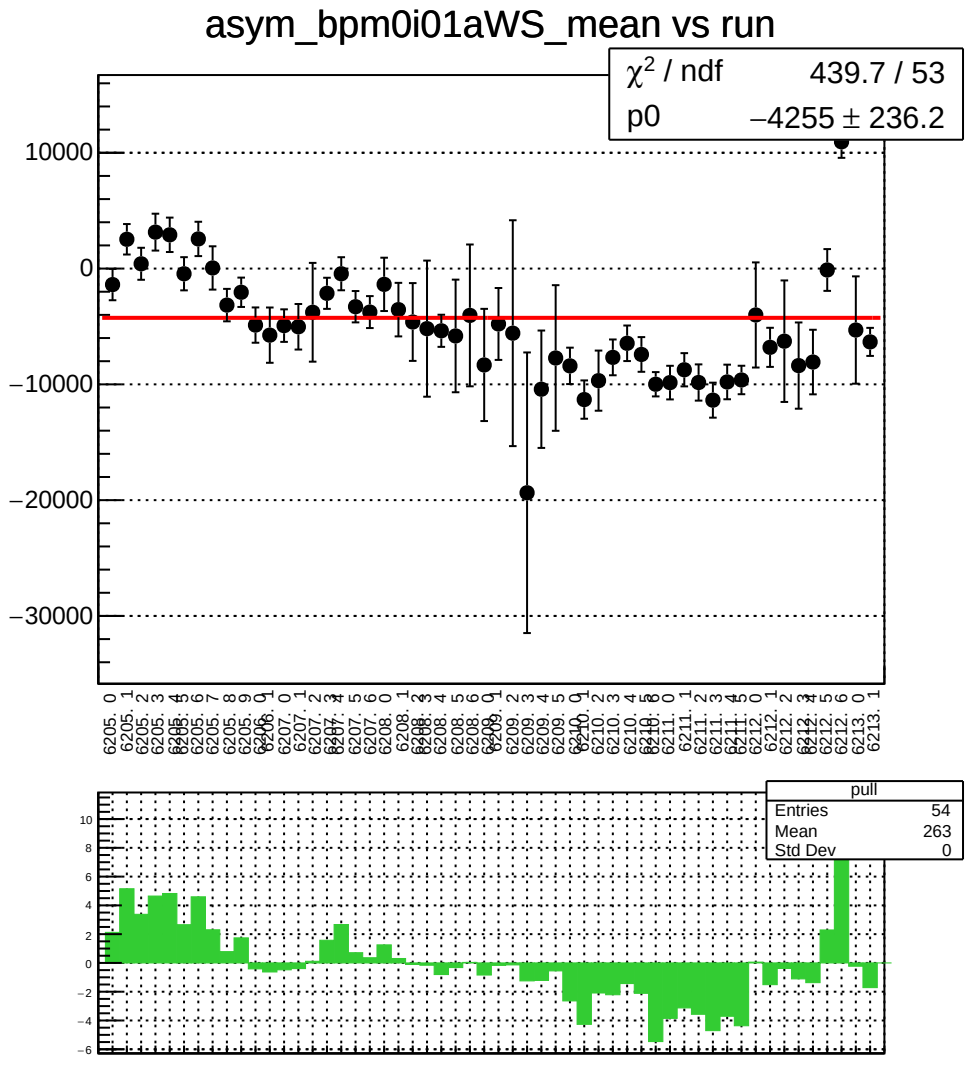

pull1D
Entries 54
Mean −0.3787
Std Dev 2.819
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

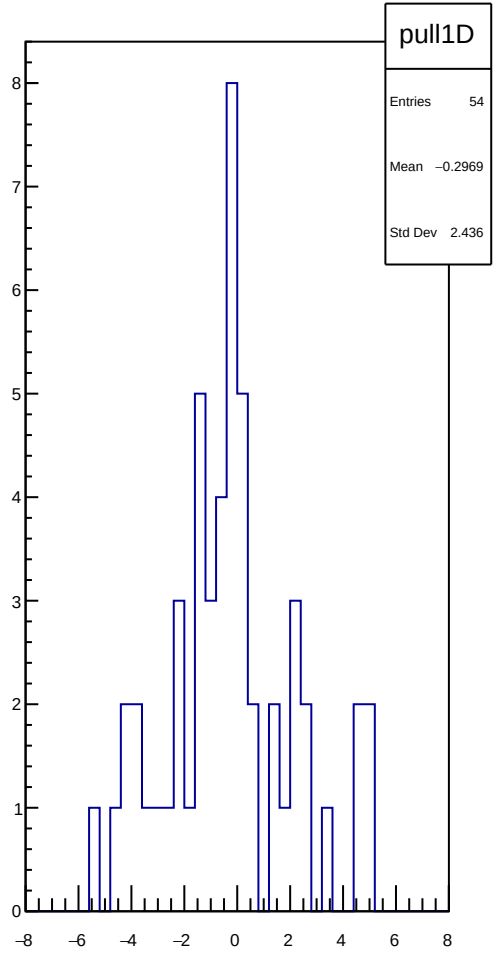

asym_bpm2i02WS_rms vs run
χ² / ndf 2.328e+05 / 53
p0 99.97 ± 0.11
1200
1000
800
600
400
200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 1
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

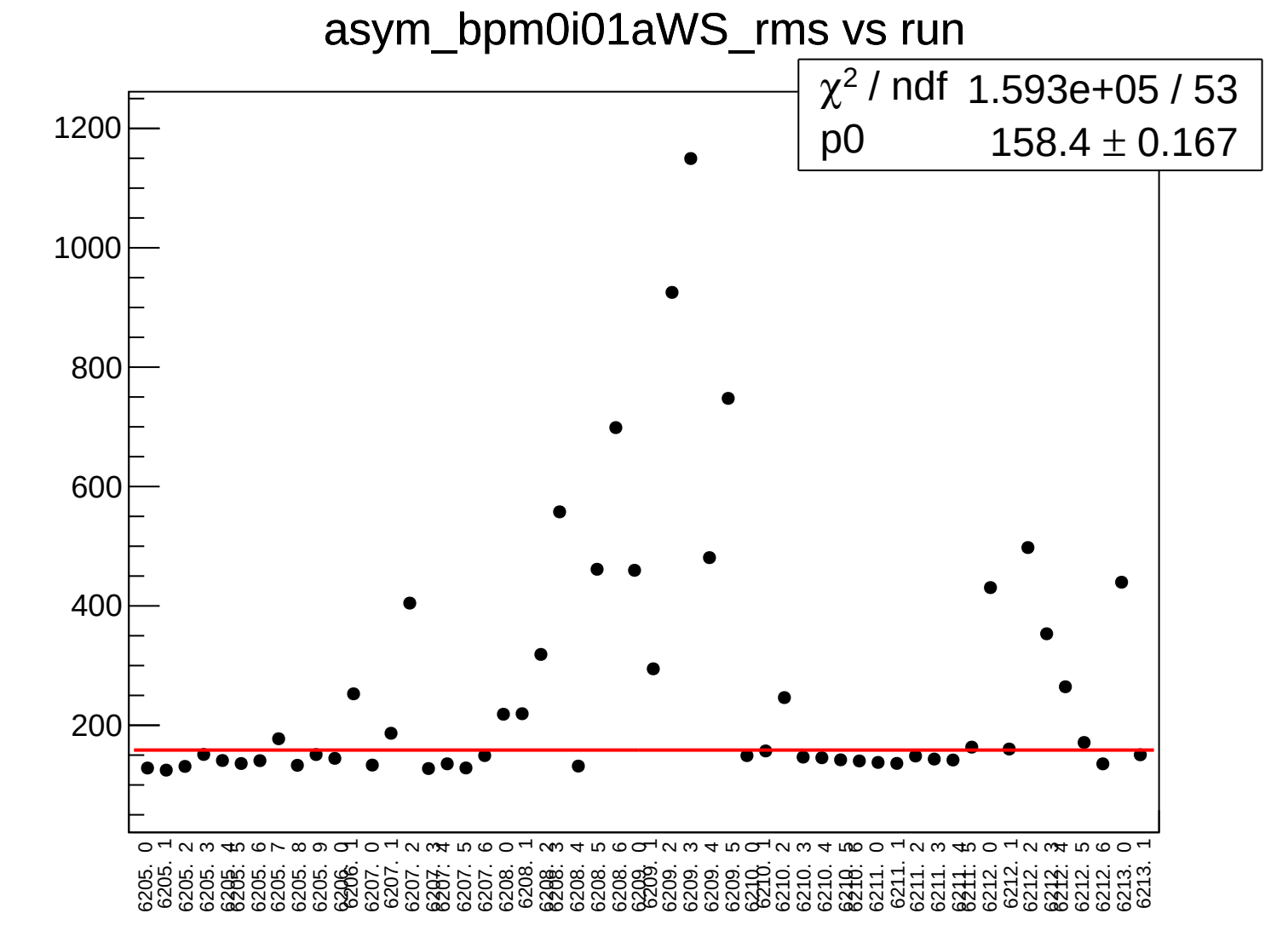

asym_bpm0i01WS_mean vs run
χ² / ndf 394.7 / 53
p0 −4451 ± 251.1
10000
0
−10000
−20000
−30000
pull
Entries 54
Mean 355.2
Std Dev 0

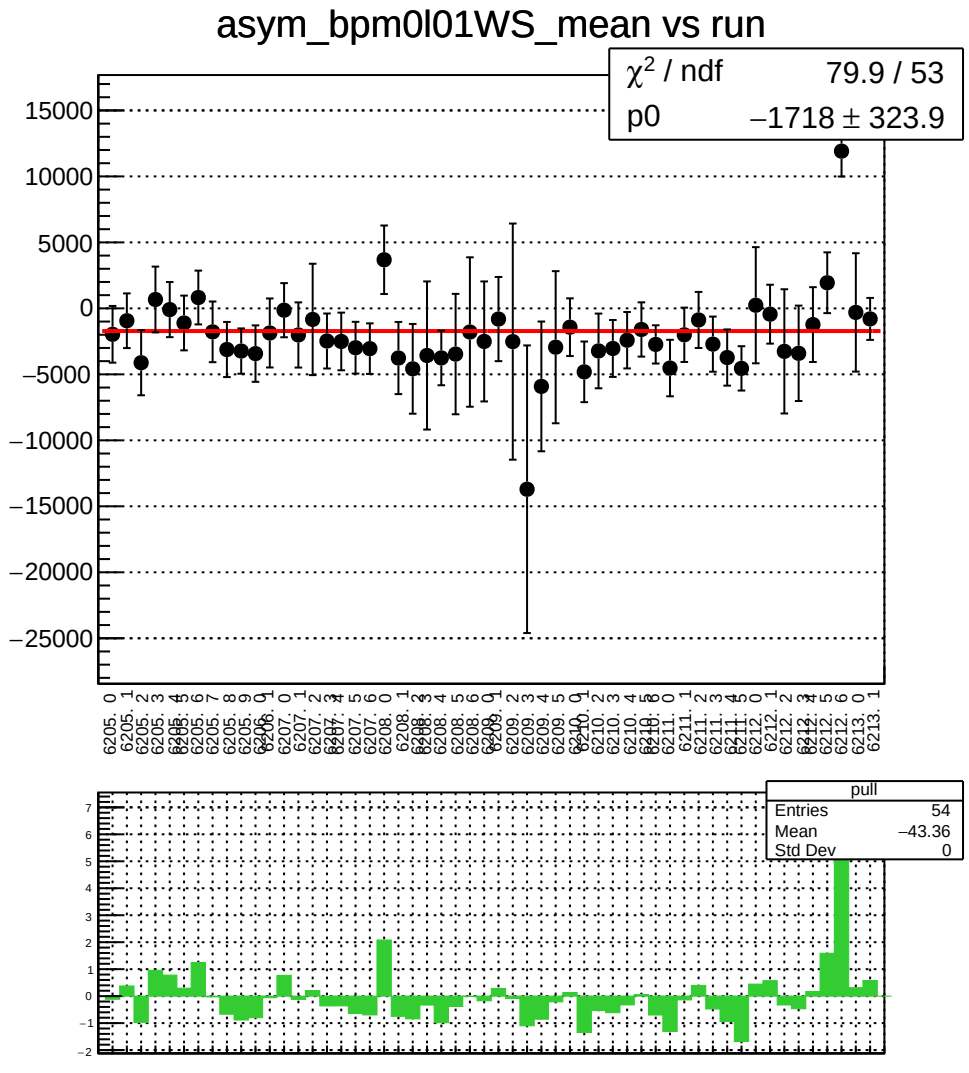

pull1D
Entries 54
Mean −0.2569
Std Dev 2.29

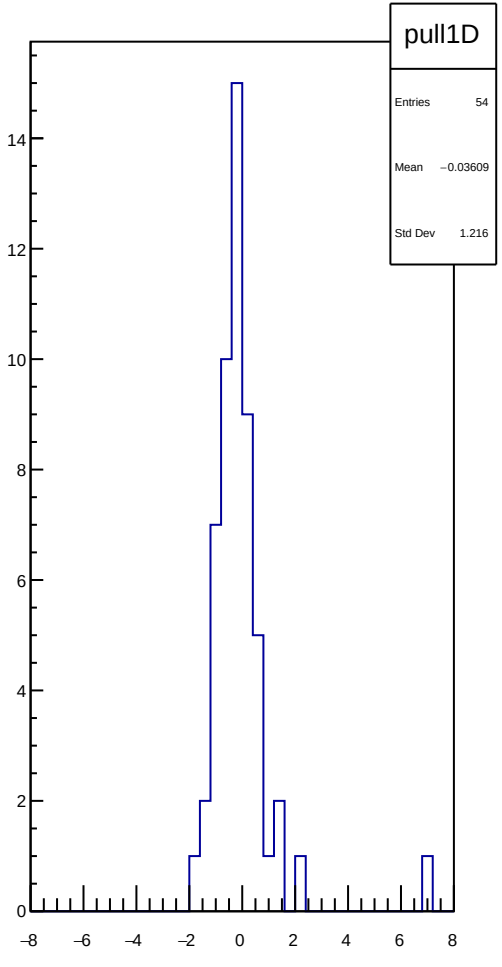

asym_bpm0i01WS_rms vs run
χ² / ndf 1.482e+05 / 53
p0 169.5 ± 0.1775
1200
1000
800
600
400
200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

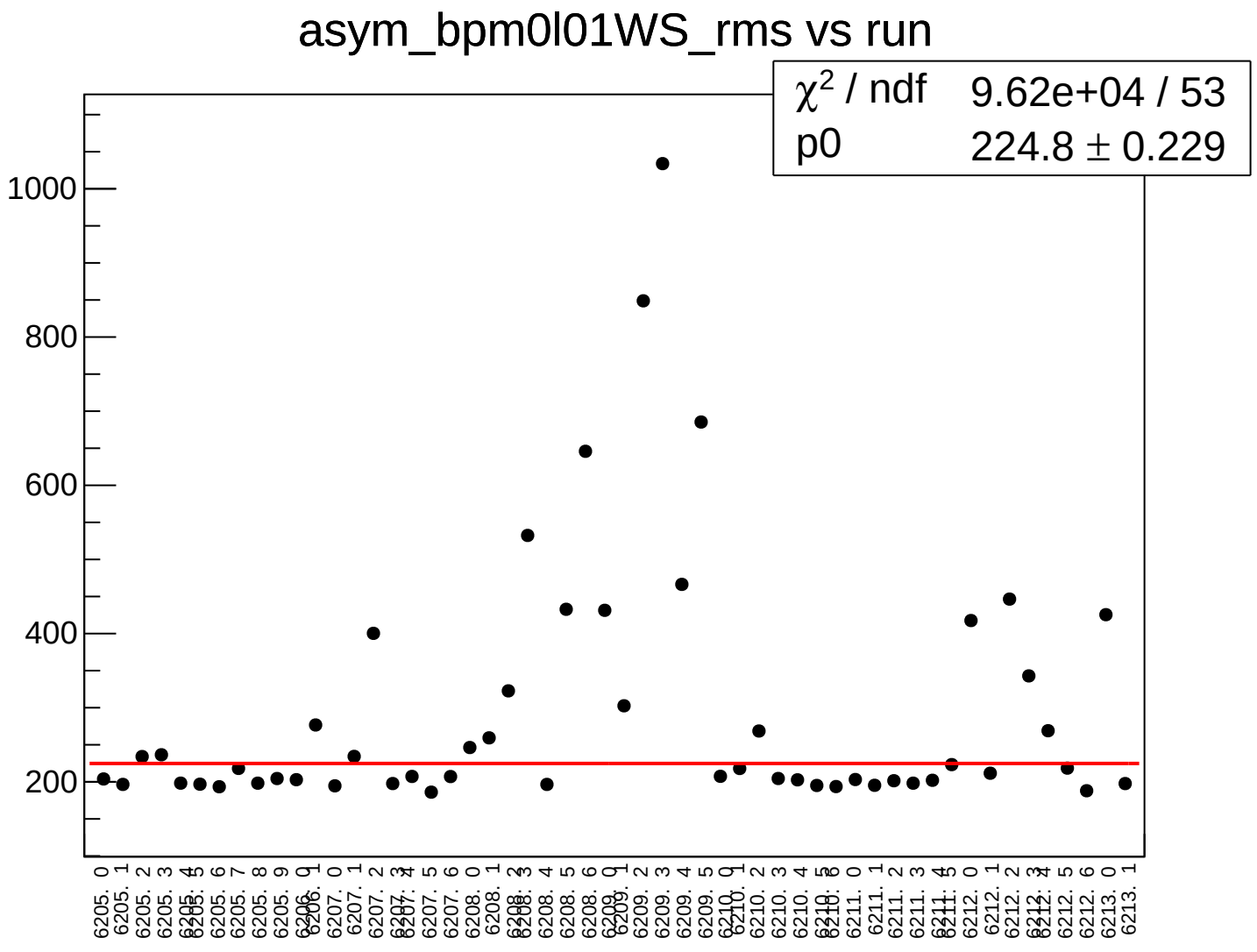

asym_bpm0i01aWS_mean vs run
χ² / ndf 439.7 / 53
p0 −4255 ± 236.2
10000
0
−10000
−20000
−30000
pull
Entries 54
Mean 263
Std Dev 0
10
8
6
4
2
0
−2
−4
−6

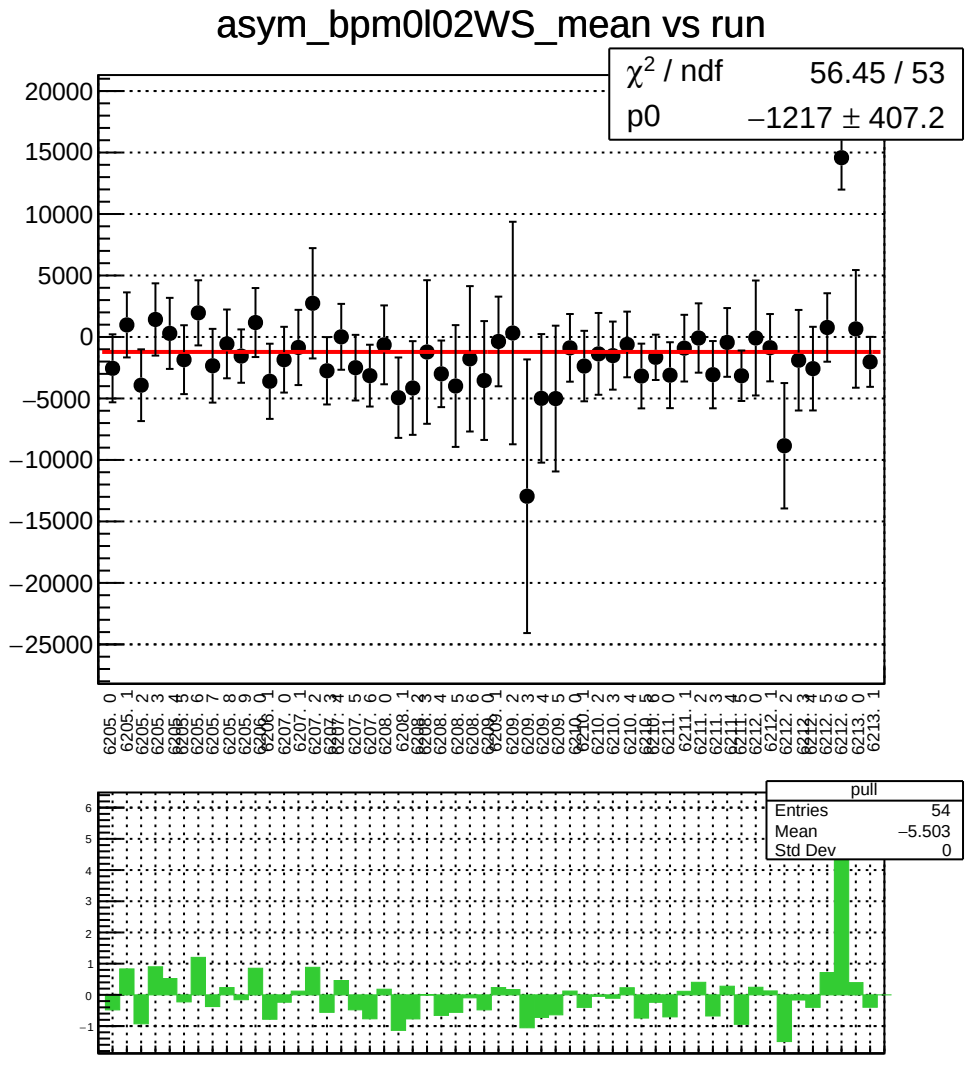

pull1D
Entries 54
Mean −0.2969
Std Dev 2.436
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

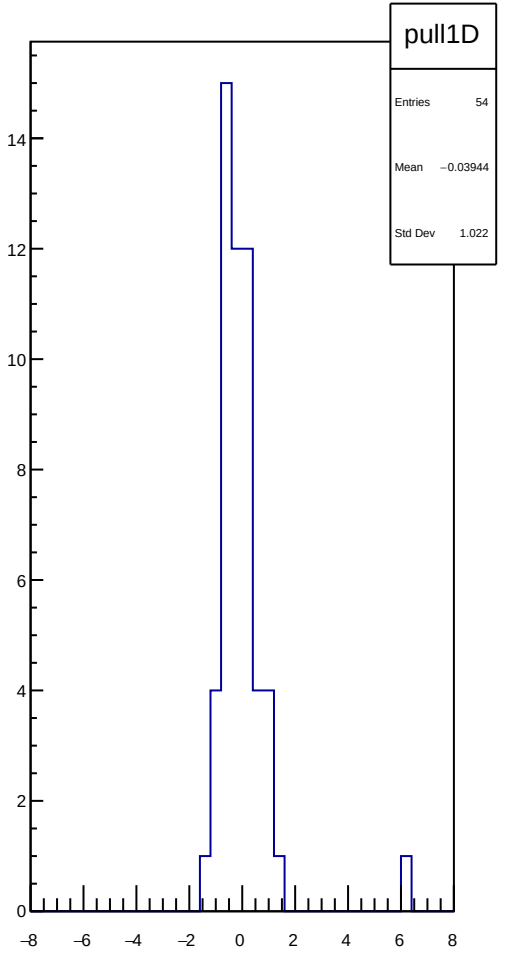

asym_bpm0i01aWS_rms vs run
χ² / ndf 1.593e+05 / 53
p0 158.4 ± 0.167
1200
1000
800
600
400
200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

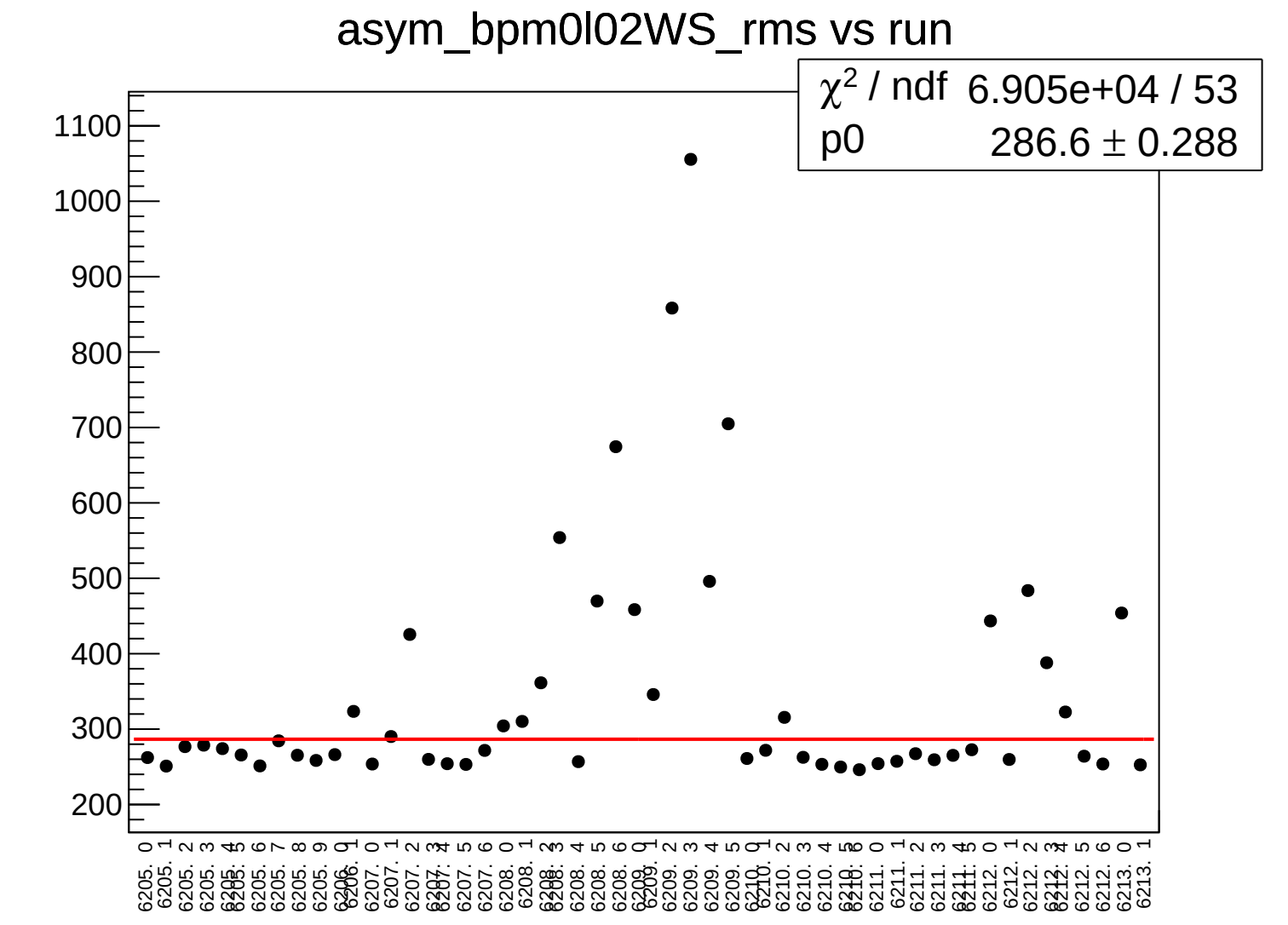

asym_bpm0l01WS_mean vs run
χ² / ndf 79.9 / 53
p0 −1718 ± 323.9
pull
Entries 54
Mean −43.36
Std Dev 0

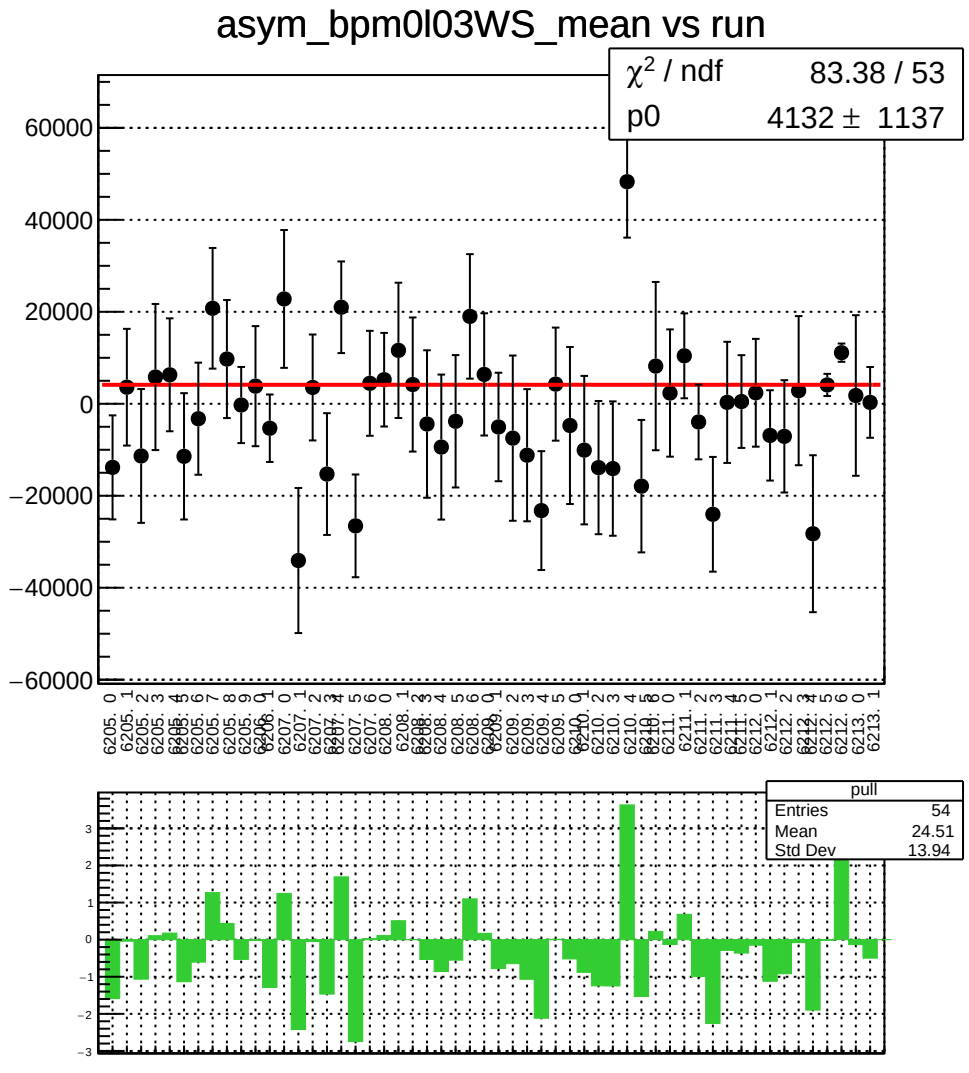

pull1D
Entries 54
Mean −0.03609
Std Dev 1.216

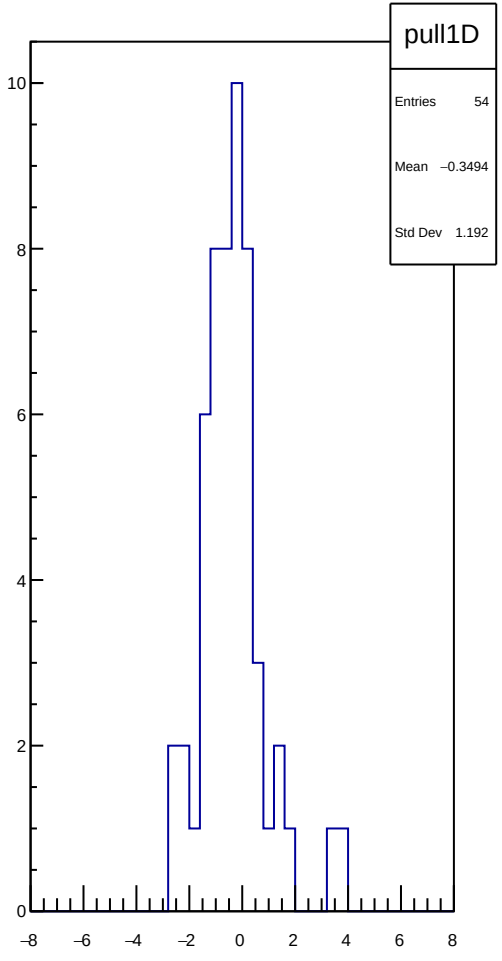

asym_bpm0l01WS_rms vs run
χ² / ndf 9.62e+04 / 53
p0 224.8 ± 0.229
1000
800
600
400
200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 1
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

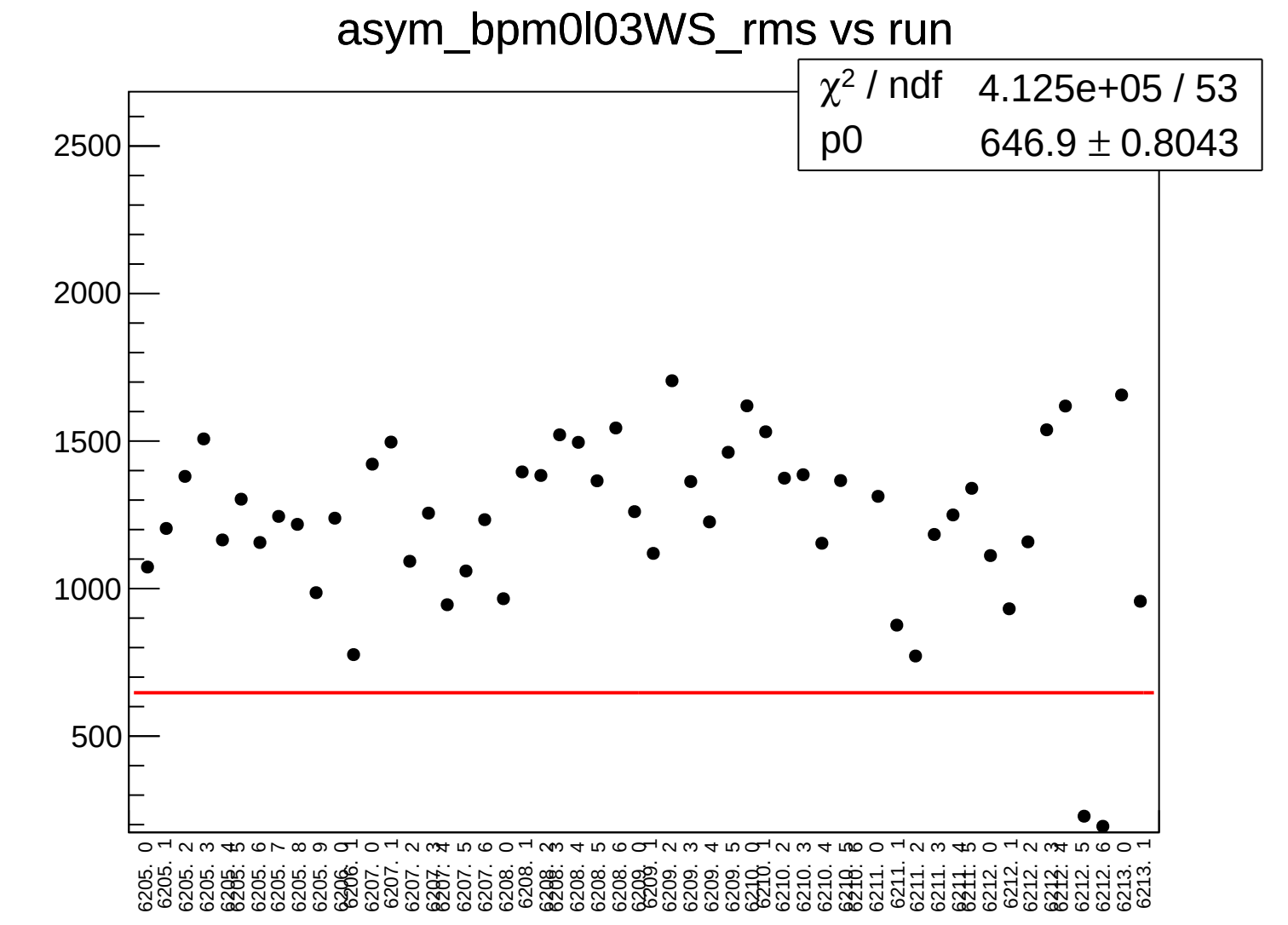

asym_bpm0l02WS_mean vs run
χ² / ndf 56.45 / 53
p0 −1217 ± 407.2
pull
Entries 54
Mean −5.503
Std Dev 0

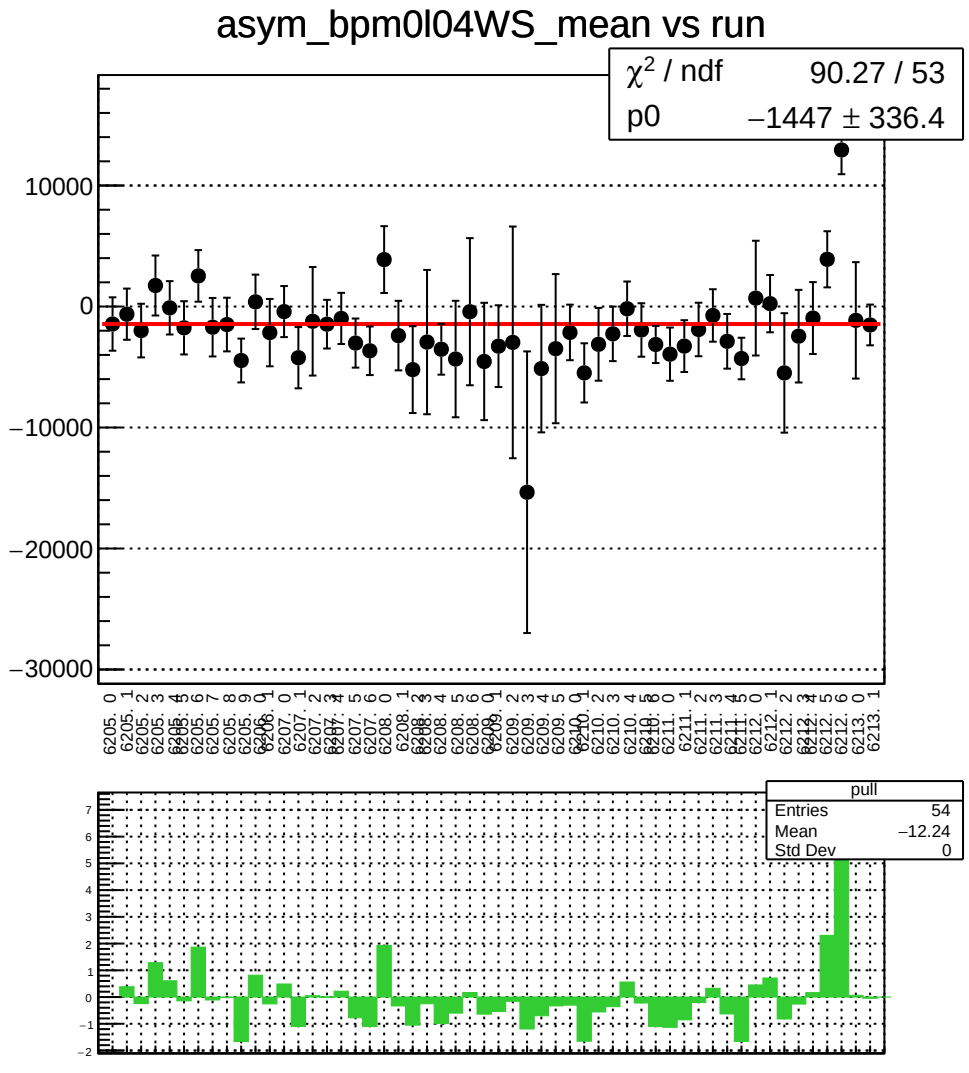

pull1D
Entries 54
Mean −0.03944
Std Dev 1.022

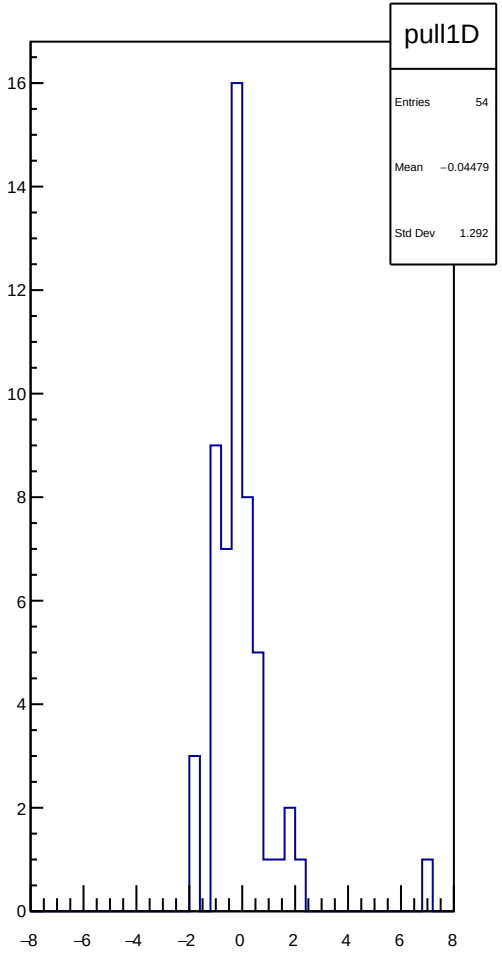

asym_bpm0l02WS_rms vs run
χ² / ndf 6.905e+04 / 53
p0 286.6 ± 0.288
1100
1000
900
800
700
600
500
400
300
200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

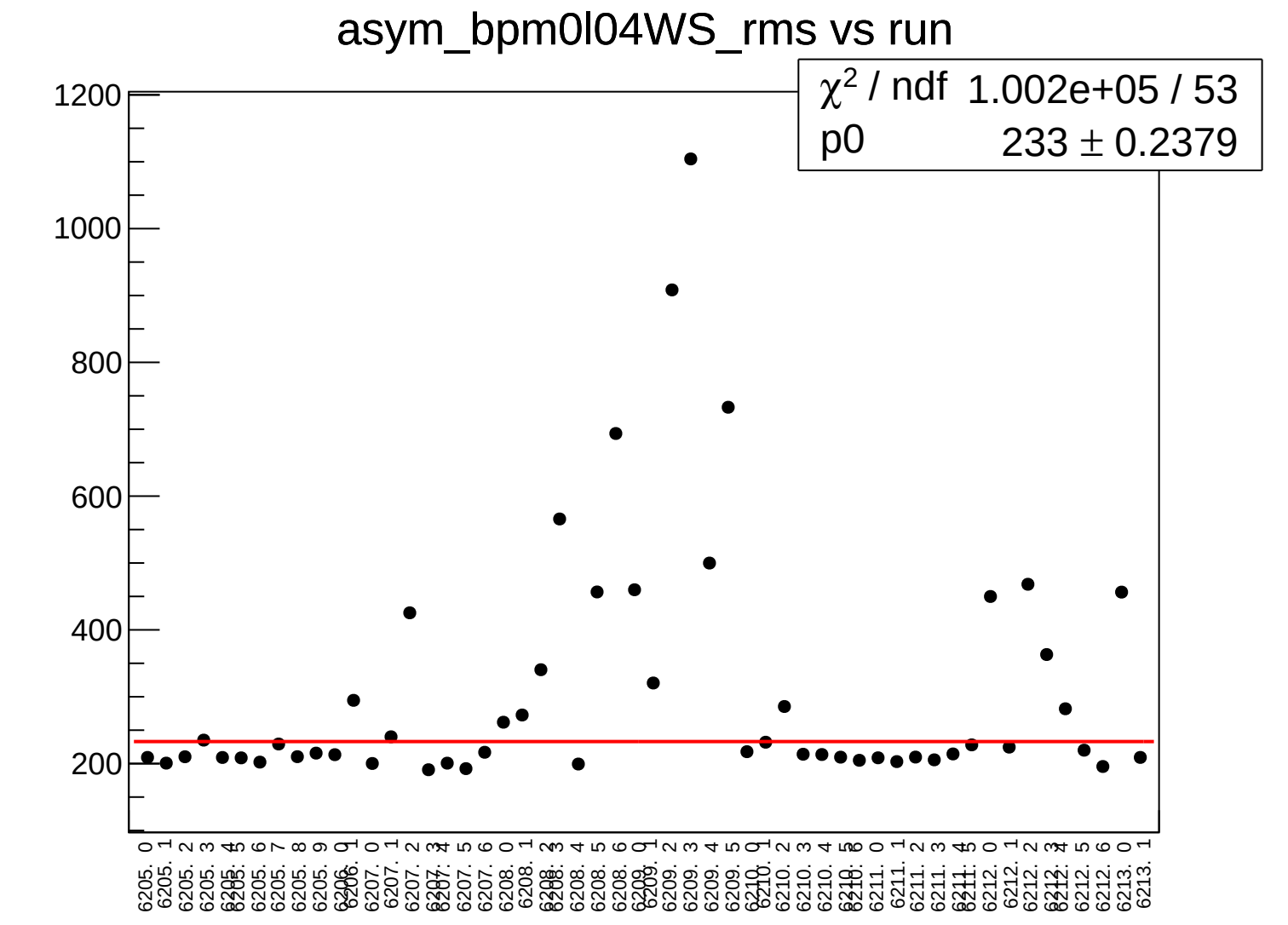

asym_bpm0l03WS_mean vs run
χ² / ndf 83.38 / 53
p0 4132 ± 1137
pull
Entries 54
Mean 24.51
Std Dev 13.94

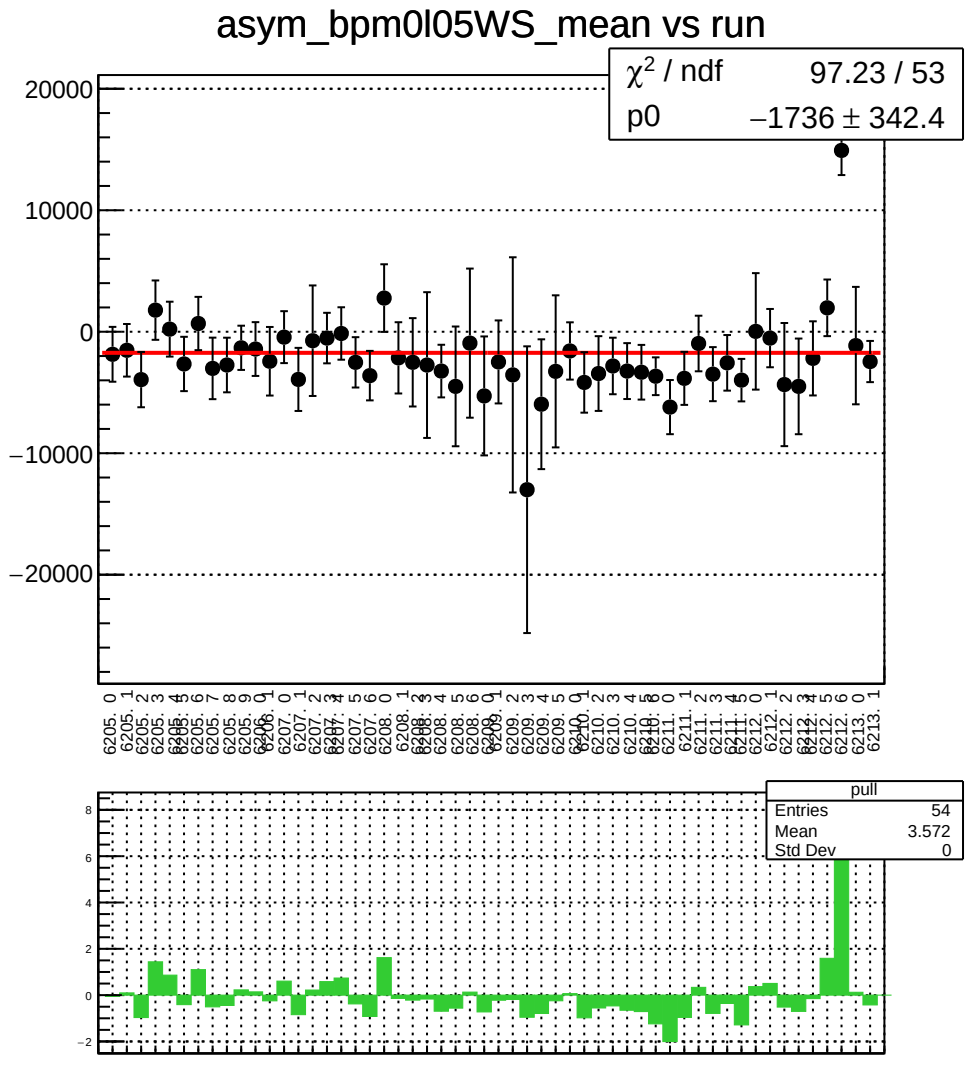

pull1D
Entries 54
Mean −0.3494
Std Dev 1.192

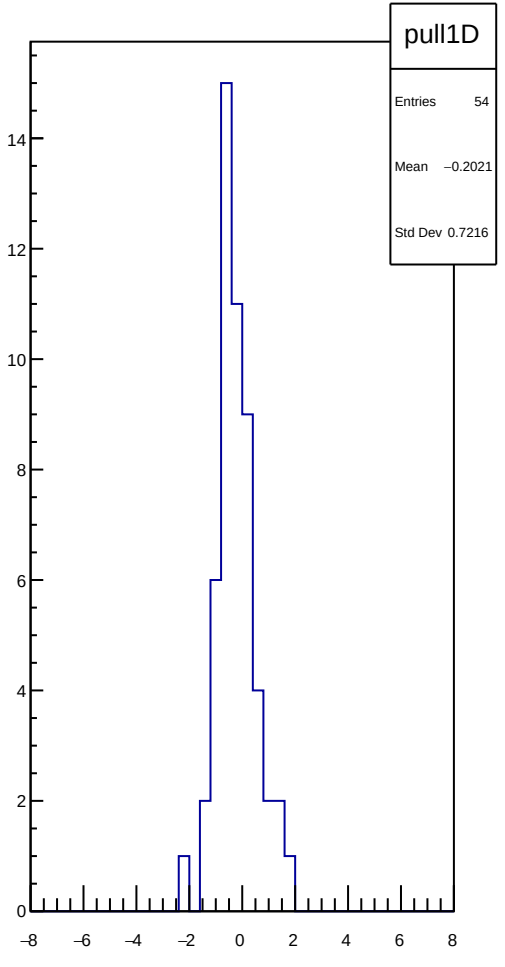

asym_bpm0l03WS_rms vs run
χ² / ndf 4.125e+05 / 53
p0 646.9 ± 0.8043
2500
2000
1500
1000
500
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

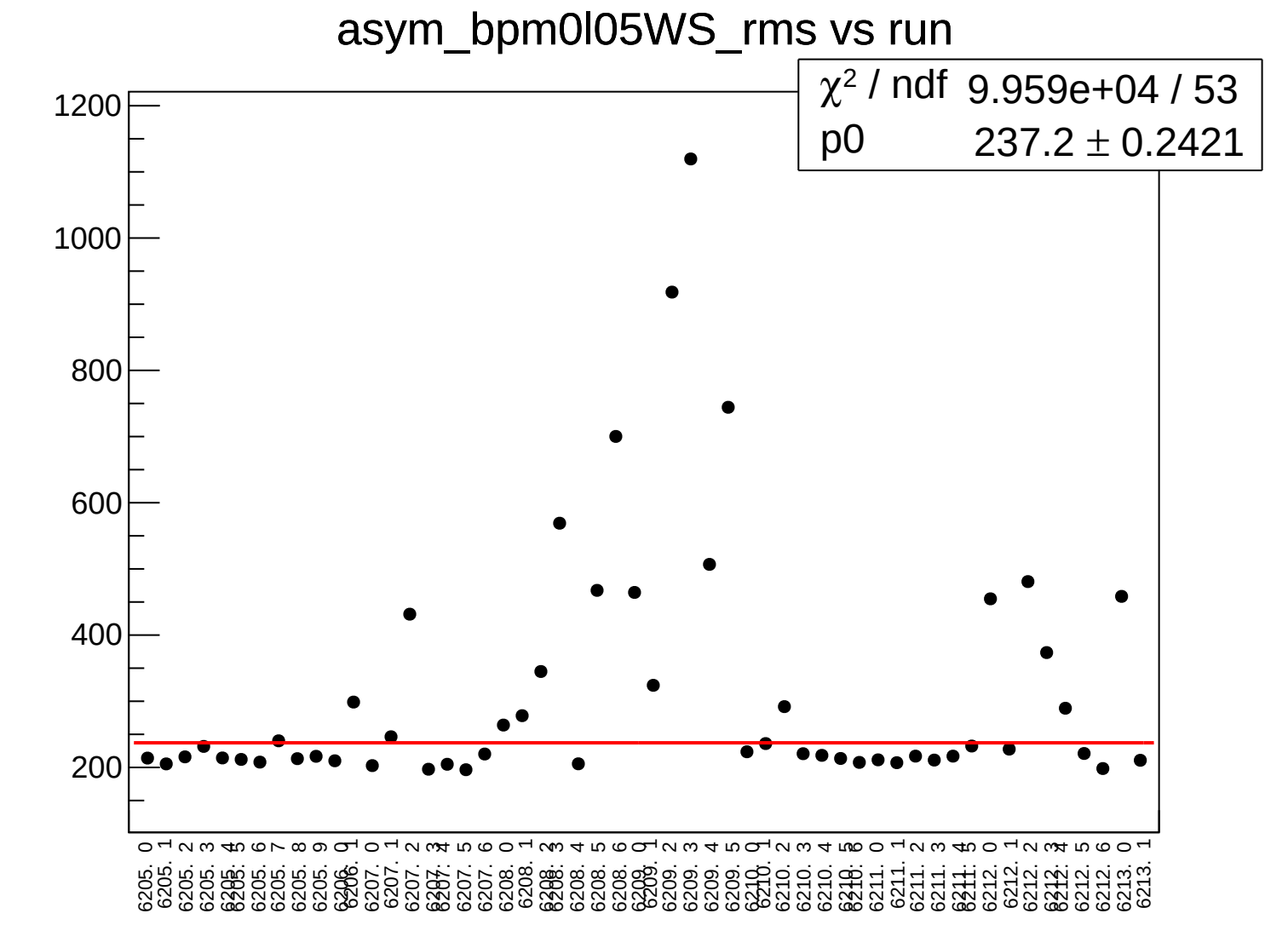

asym_bpm0l04WS_mean vs run
χ² / ndf 90.27 / 53
p0 −1447 ± 336.4
10000
0
−10000
−20000
−30000
pull
Entries 54
Mean −12.24
Std Dev 0

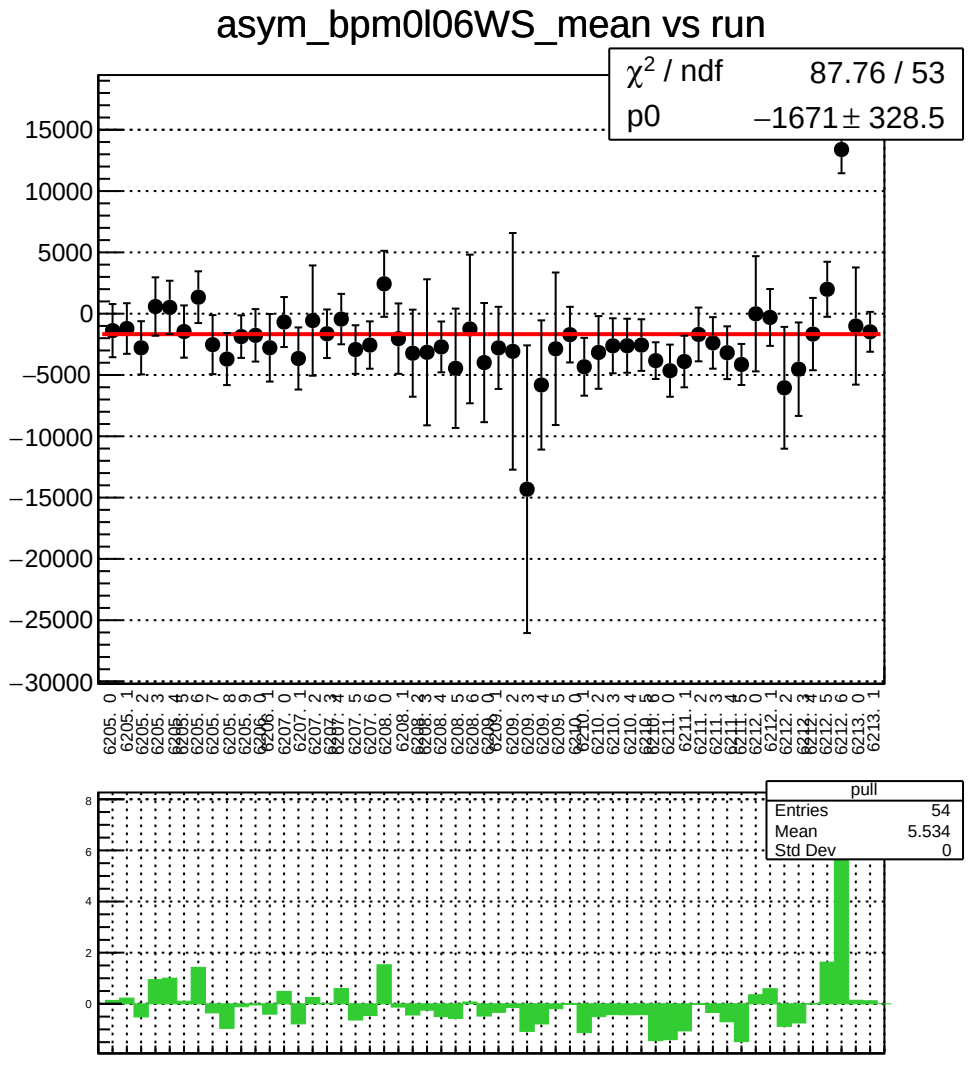

pull1D
Entries 54
Mean −0.04479
Std Dev 1.292

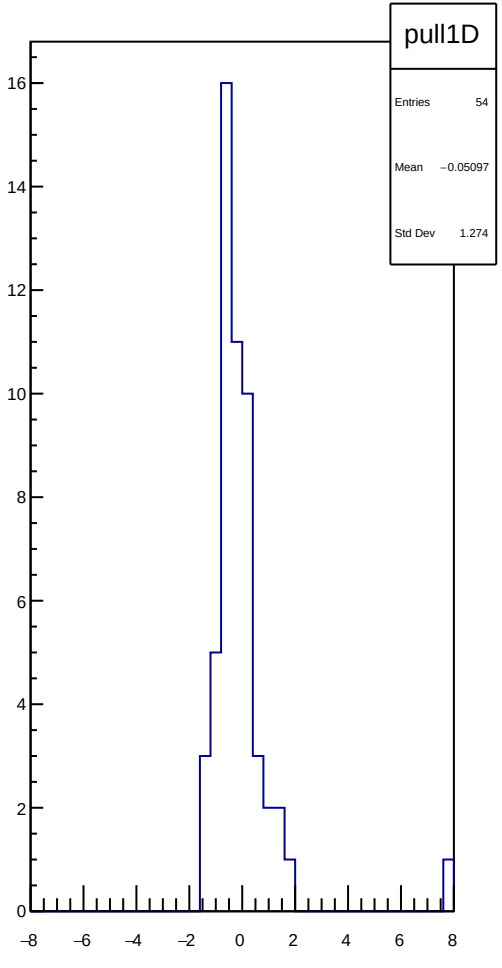

asym_bpm0l04WS_rms vs run
χ² / ndf 1.002e+05 / 53
p0 233 ± 0.2379
1200
1000
800
600
400
200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

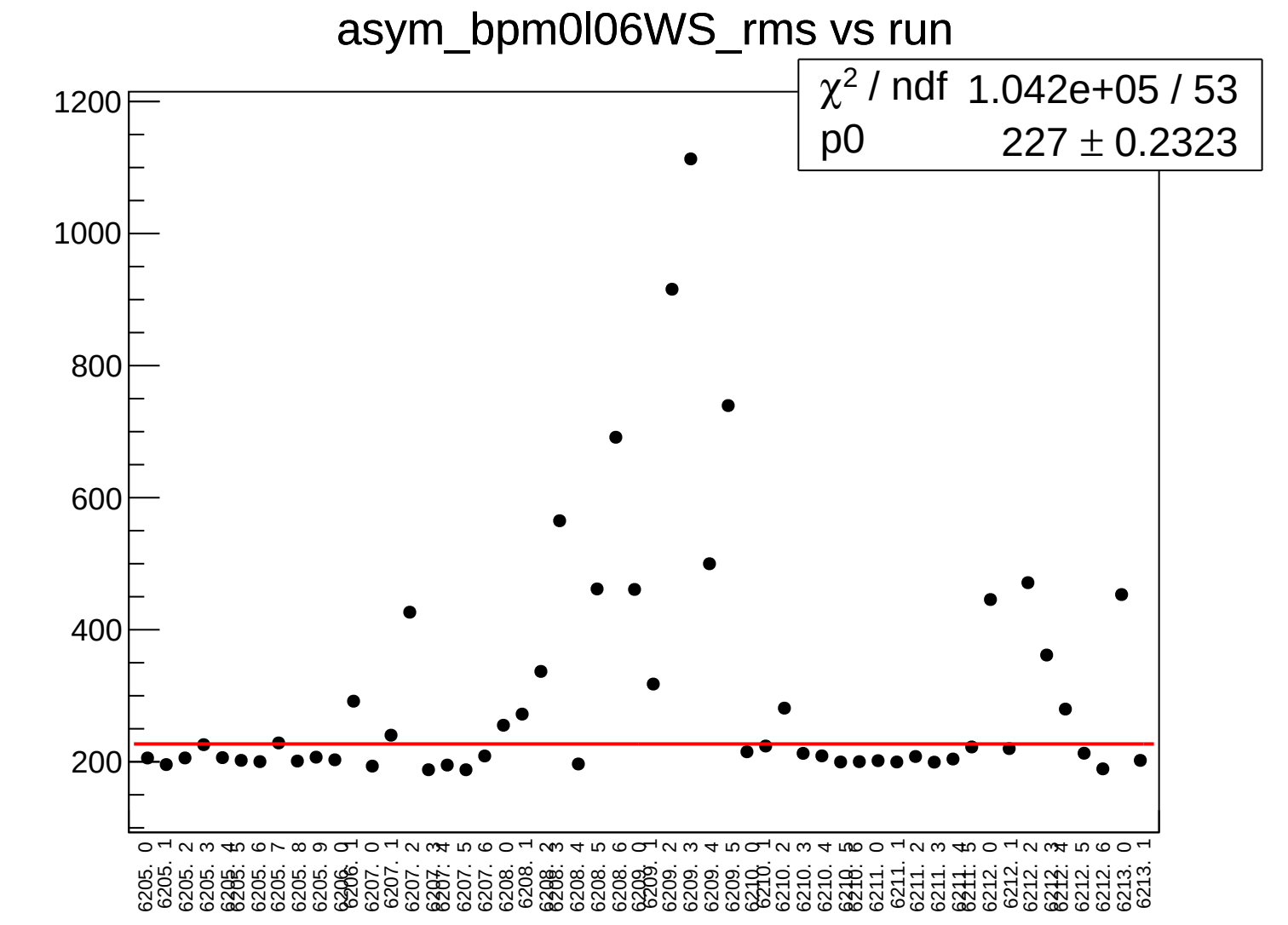

asym_bpm0l05WS_mean vs run
χ² / ndf 97.23 / 53
p0 −1736 ± 342.4
20000
10000
0
−10000
−20000
pull
Entries 54
Mean 3.572
Std Dev 0
8
6
4
2
0
−2

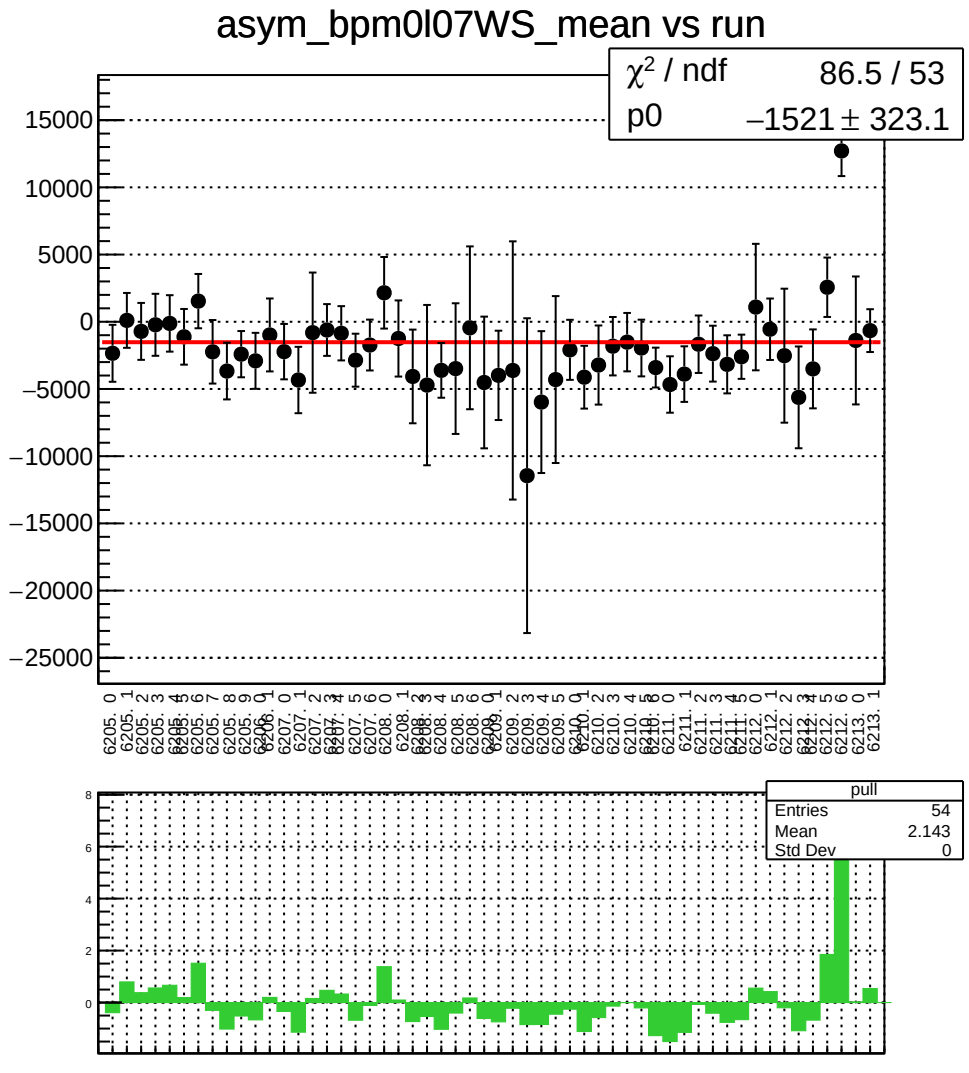

pull1D
Entries 54
Mean −0.2021
Std Dev 0.7216
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

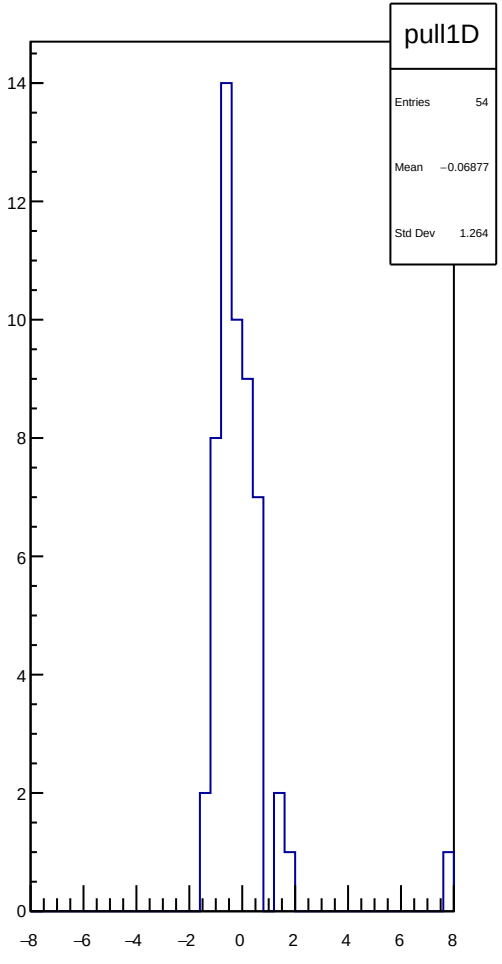

asym_bpm0l05WS_rms vs run
χ² / ndf 9.959e+04 / 53
p0 237.2 ± 0.2421
1200
1000
800
600
400
200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

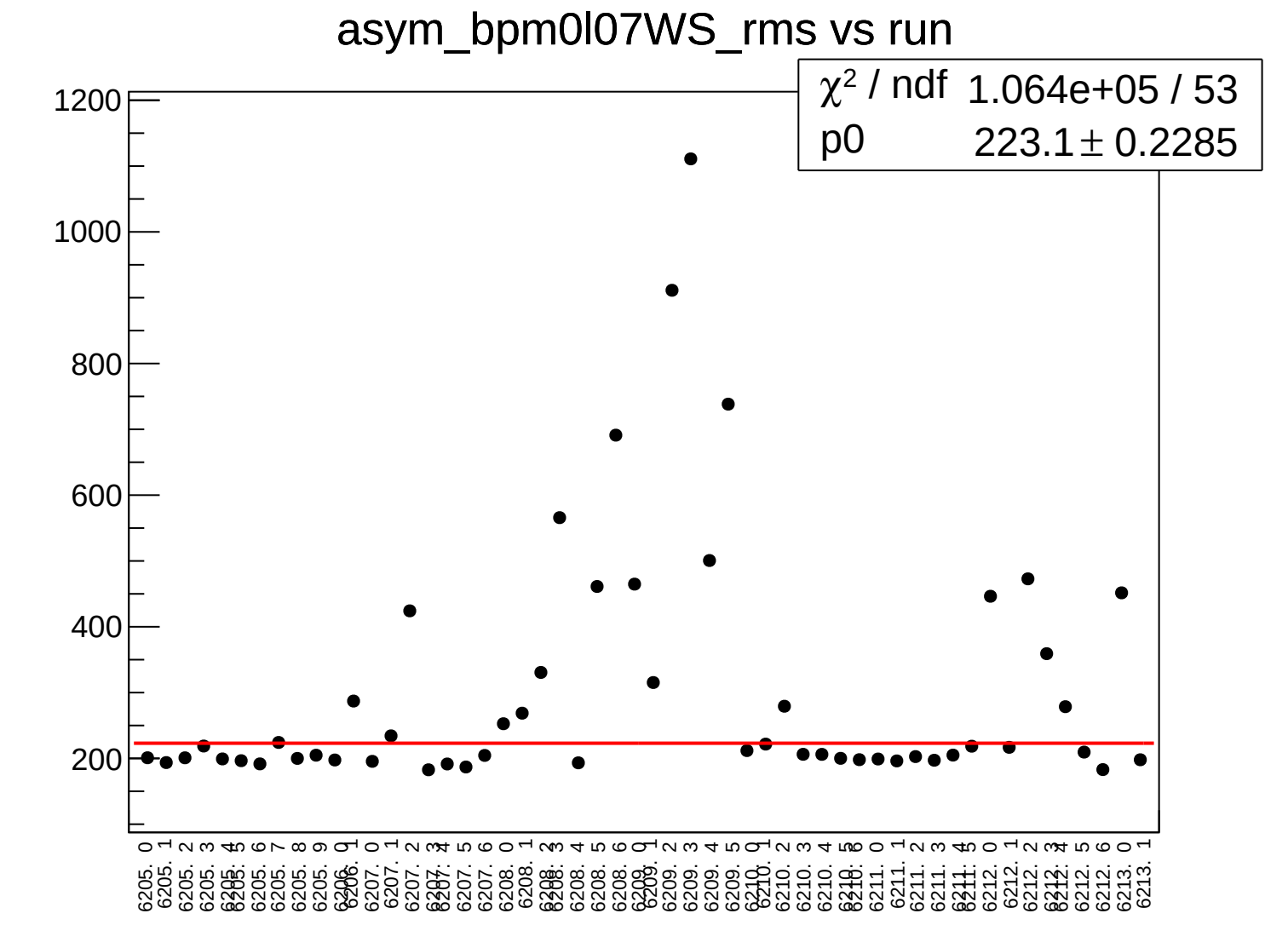

asym_bpm0l06WS_mean vs run
χ² / ndf 87.76 / 53
p0 −1671 ± 328.5
pull
Entries 54
Mean 5.534
Std Dev 0

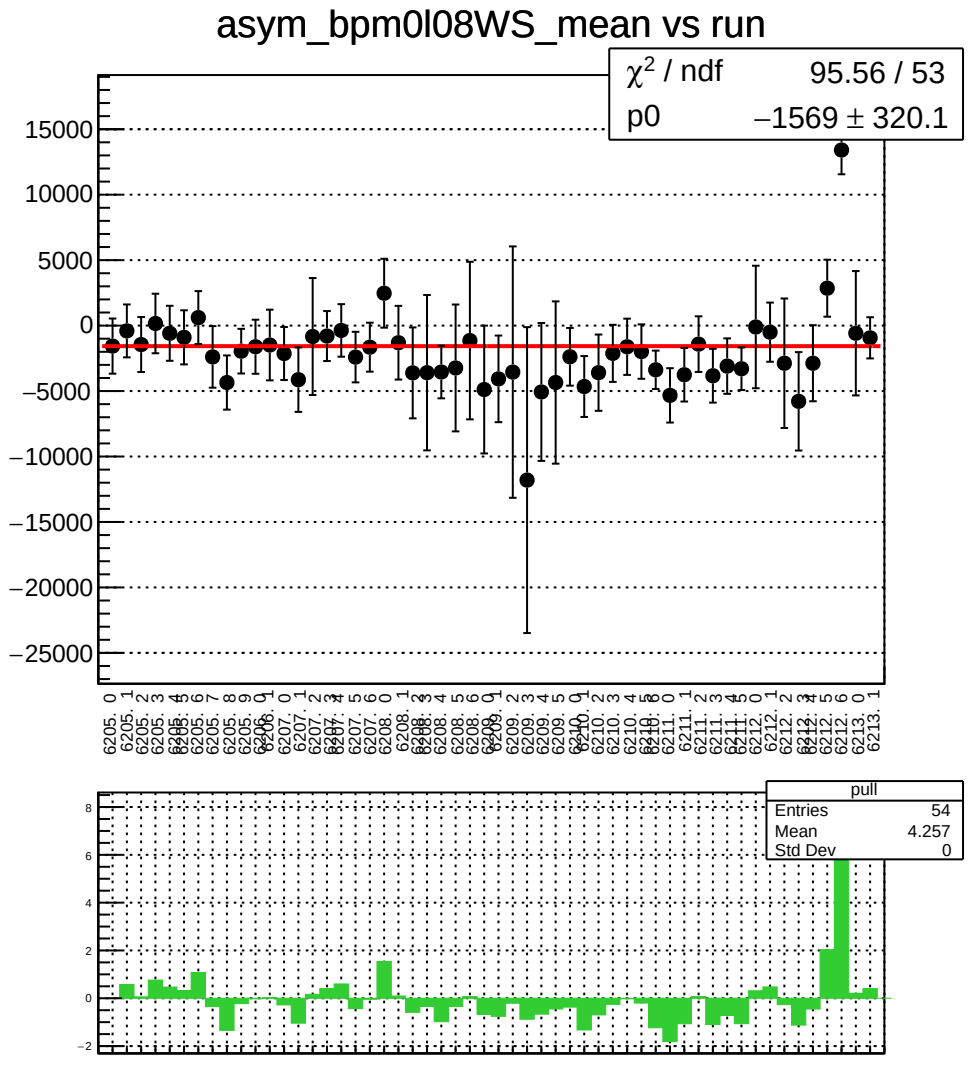

pull1D
Entries 54
Mean −0.05097
Std Dev 1.274

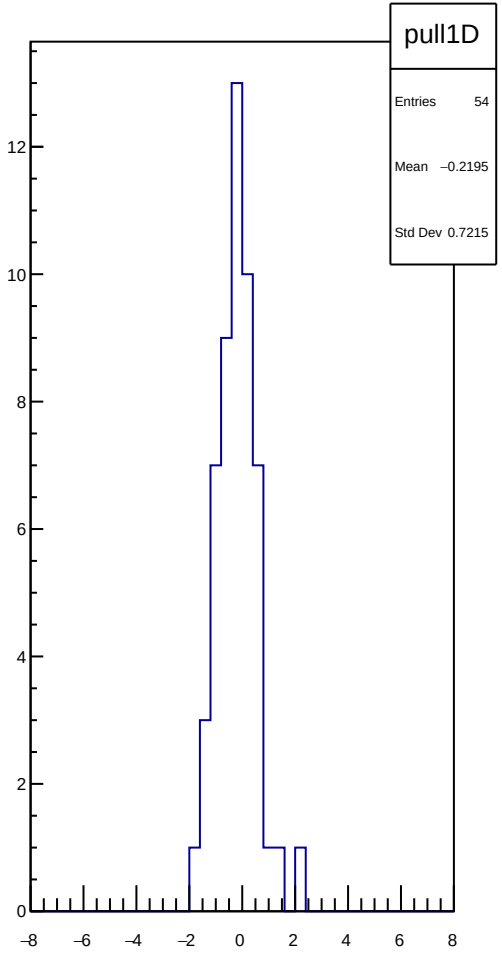

asym_bpm0l06WS_rms vs run
χ² / ndf 1.042e+05 / 53
p0 227 ± 0.2323
1200
1000
800
600
400
200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

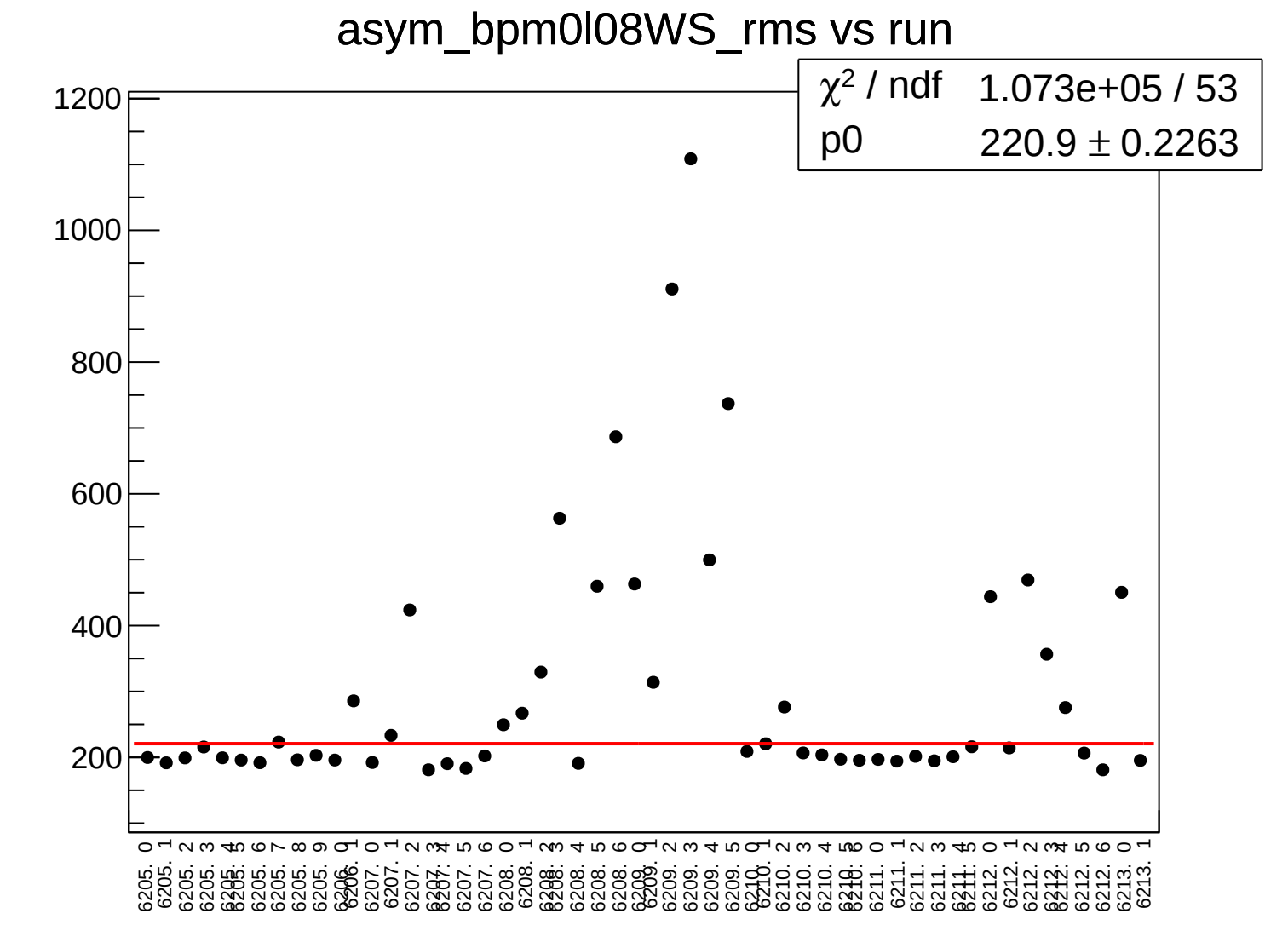

asym_bpm0l07WS_mean vs run
χ² / ndf 86.5 / 53
p0 −1521 ± 323.1
pull
Entries 54
Mean 2.143
Std Dev 0

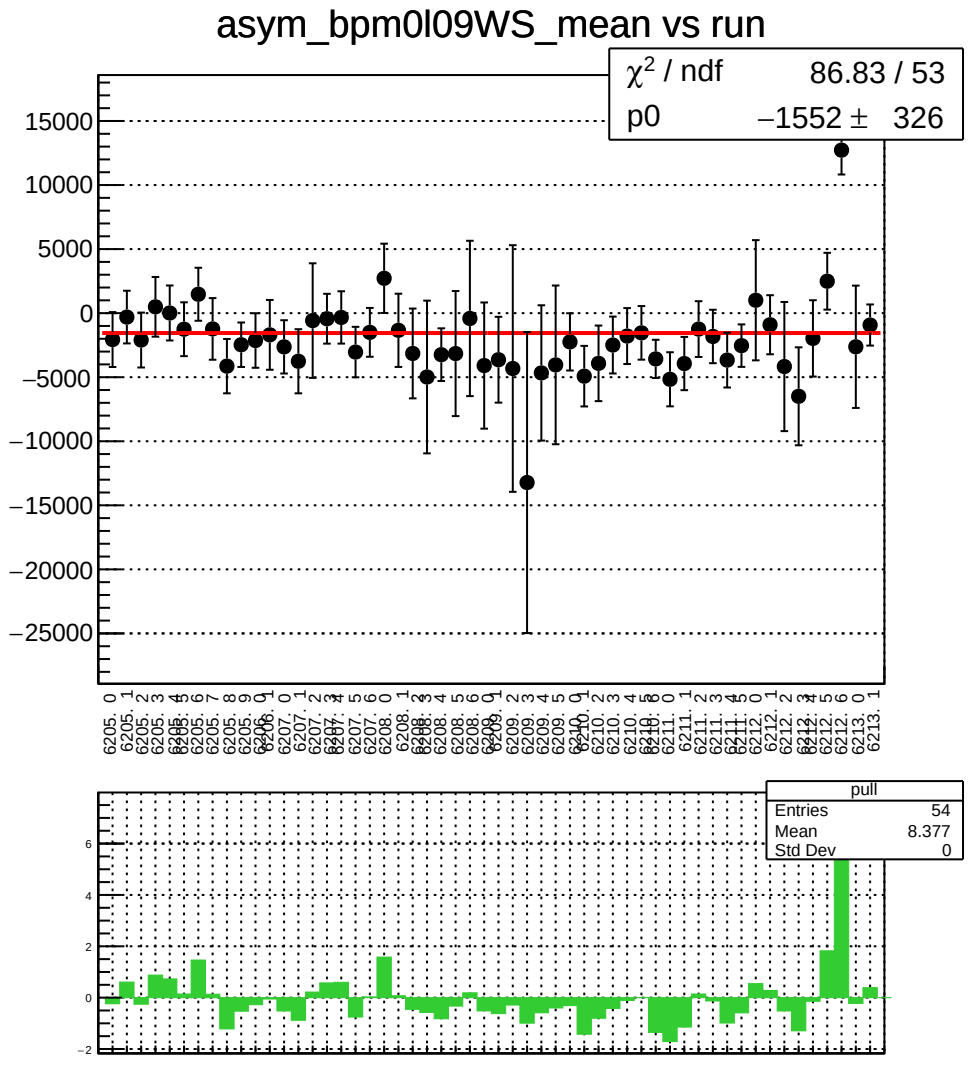

pull1D
Entries 54
Mean −0.06877
Std Dev 1.264

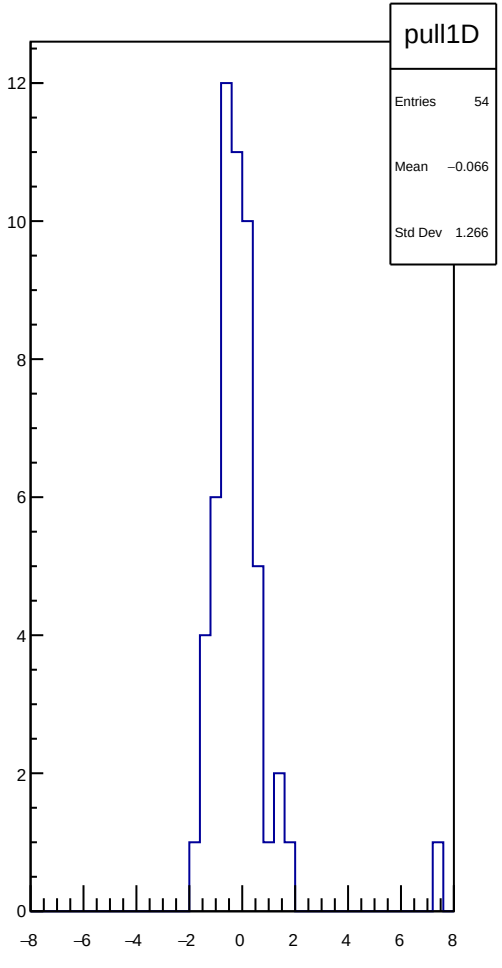

asym_bpm0l07WS_rms vs run
χ² / ndf 1.064e+05 / 53
p0 223.1 ± 0.2285
1200
1000
800
600
400
200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

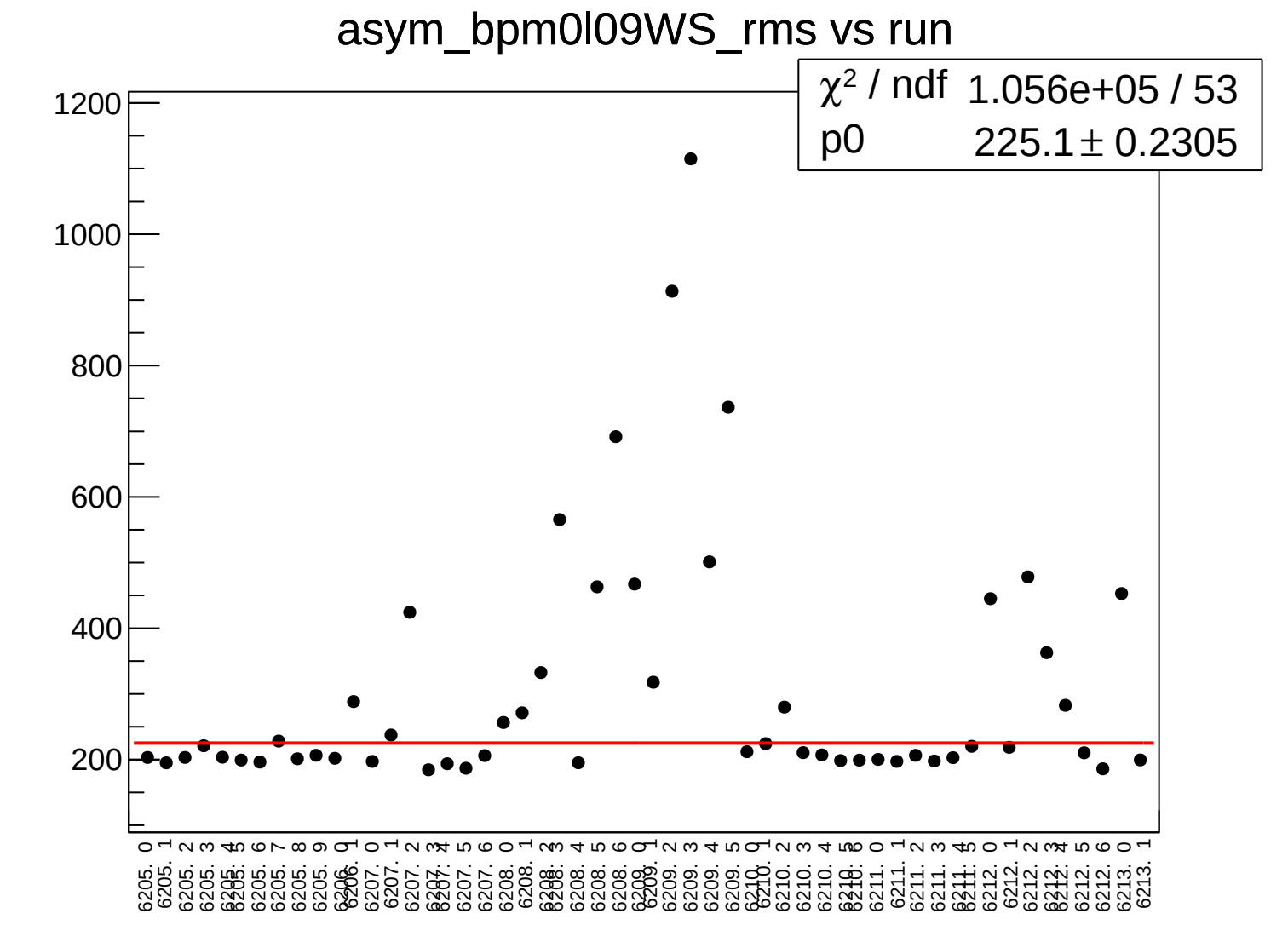

asym_bpm0l08WS_mean vs run
χ² / ndf 95.56 / 53
p0 −1569 ± 320.1
pull
Entries 54
Mean 4.257
Std Dev 0

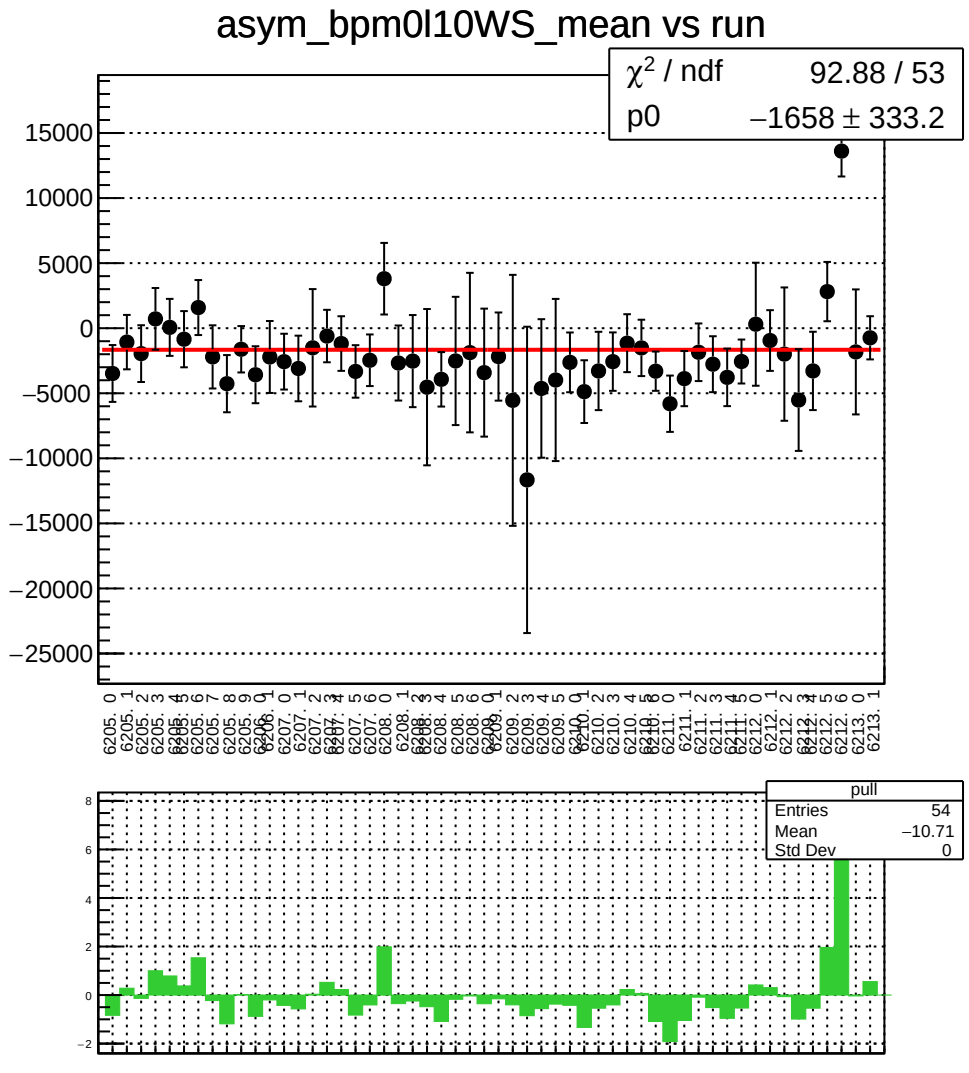

pull1D
Entries 54
Mean −0.2195
Std Dev 0.7215

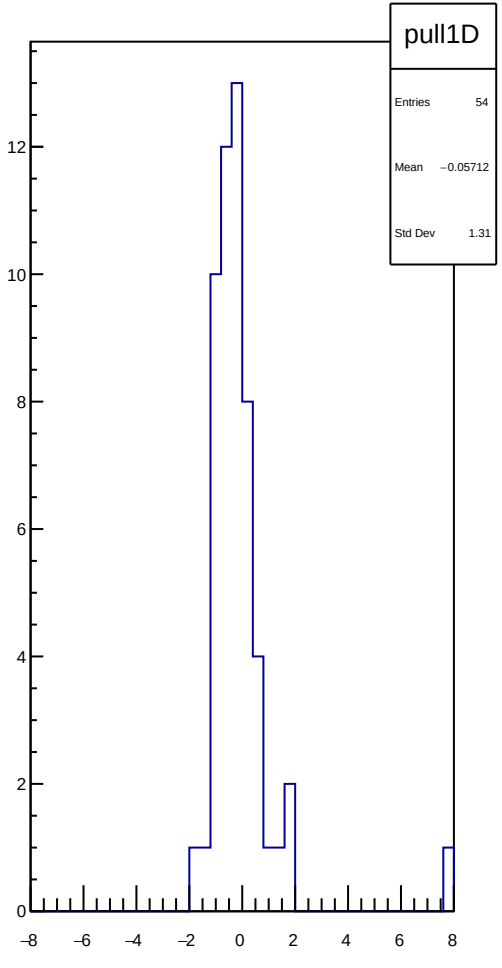

asym_bpm0l08WS_rms vs run
χ² / ndf 1.073e+05 / 53
p0 220.9 ± 0.2263
1200
1000
800
600
400
200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

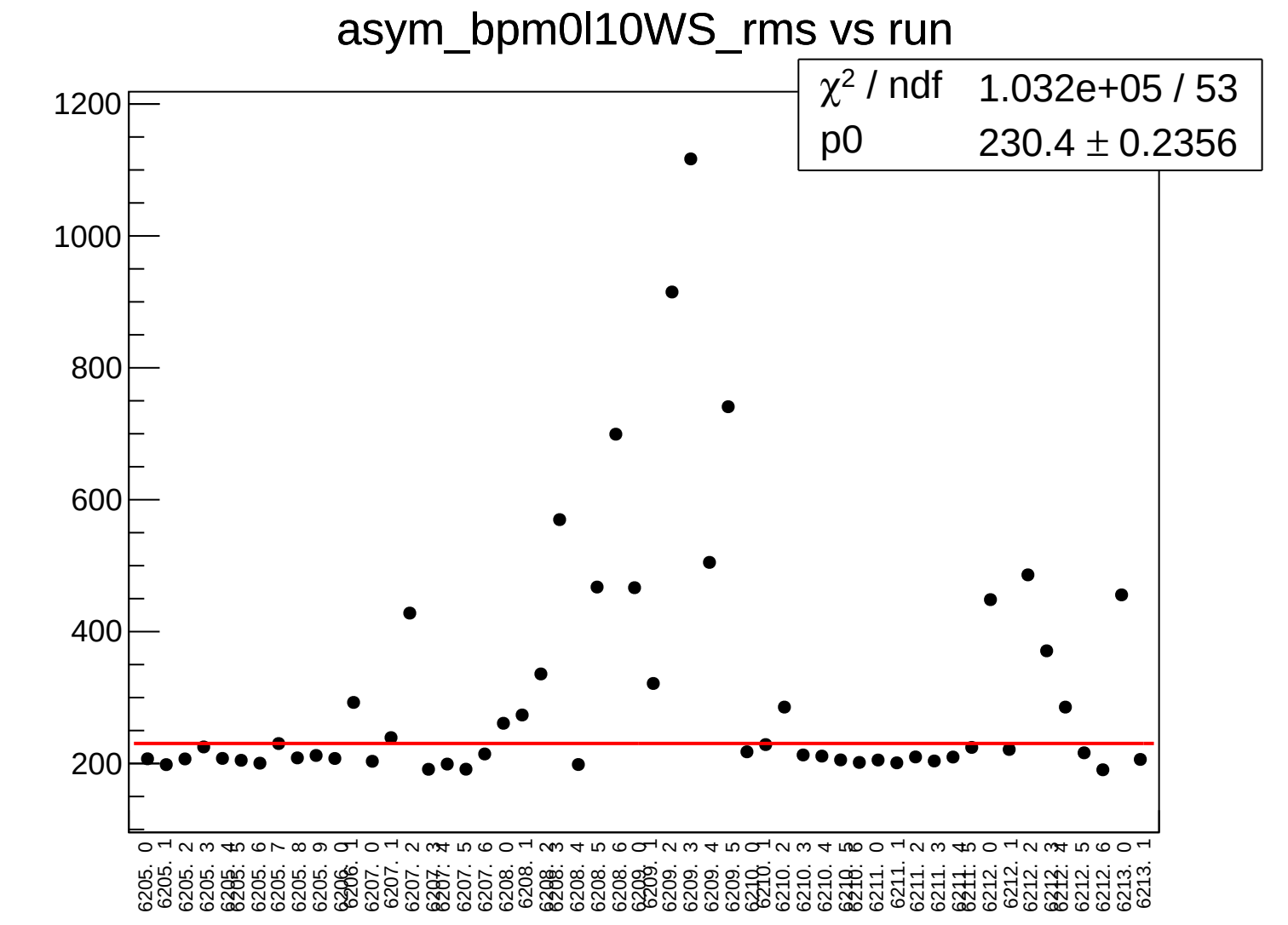

asym_bpm0l09WS_mean vs run
χ² / ndf 86.83 / 53
p0 −1552 ± 326
pull
Entries 54
Mean 8.377
Std Dev 0

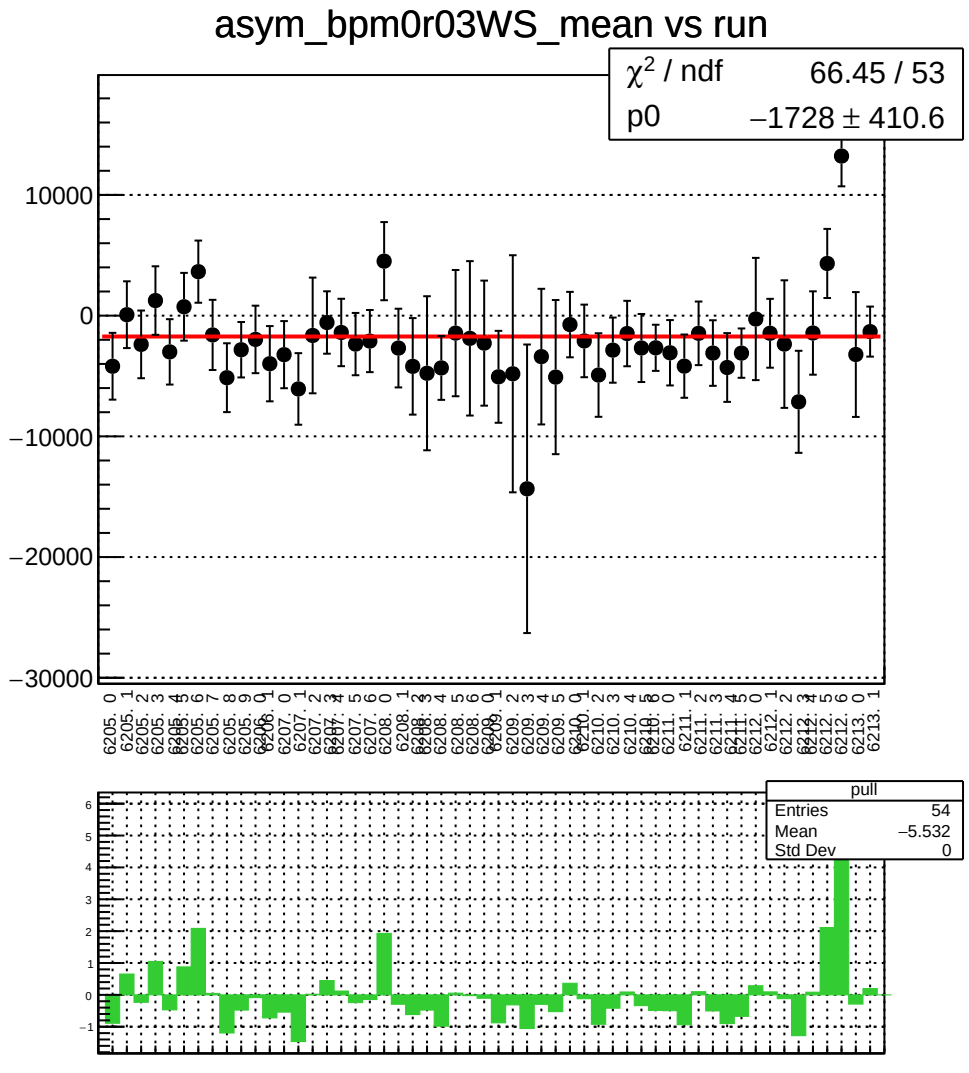

pull1D
Entries 54
Mean −0.066
Std Dev 1.266

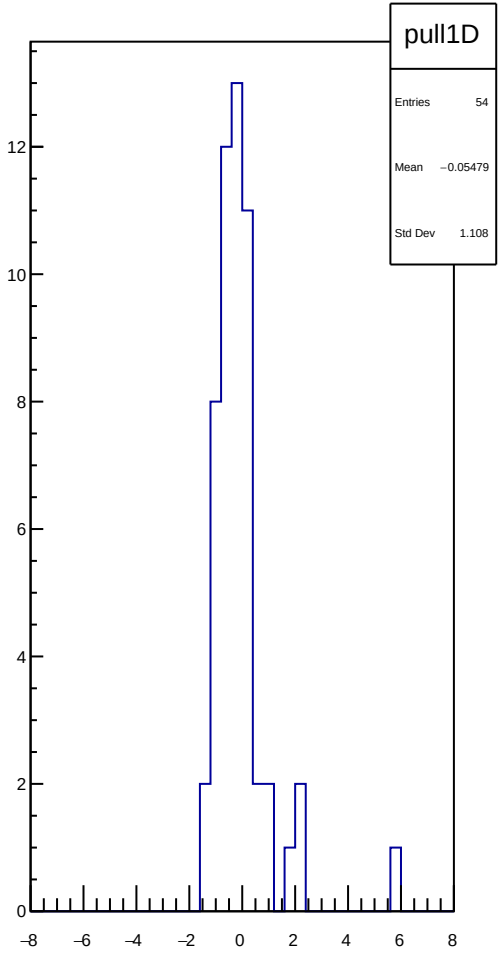

asym_bpm0l09WS_rms vs run
χ² / ndf 1.056e+05 / 53
p0 225.1 ± 0.2305
1200
1000
800
600
400
200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

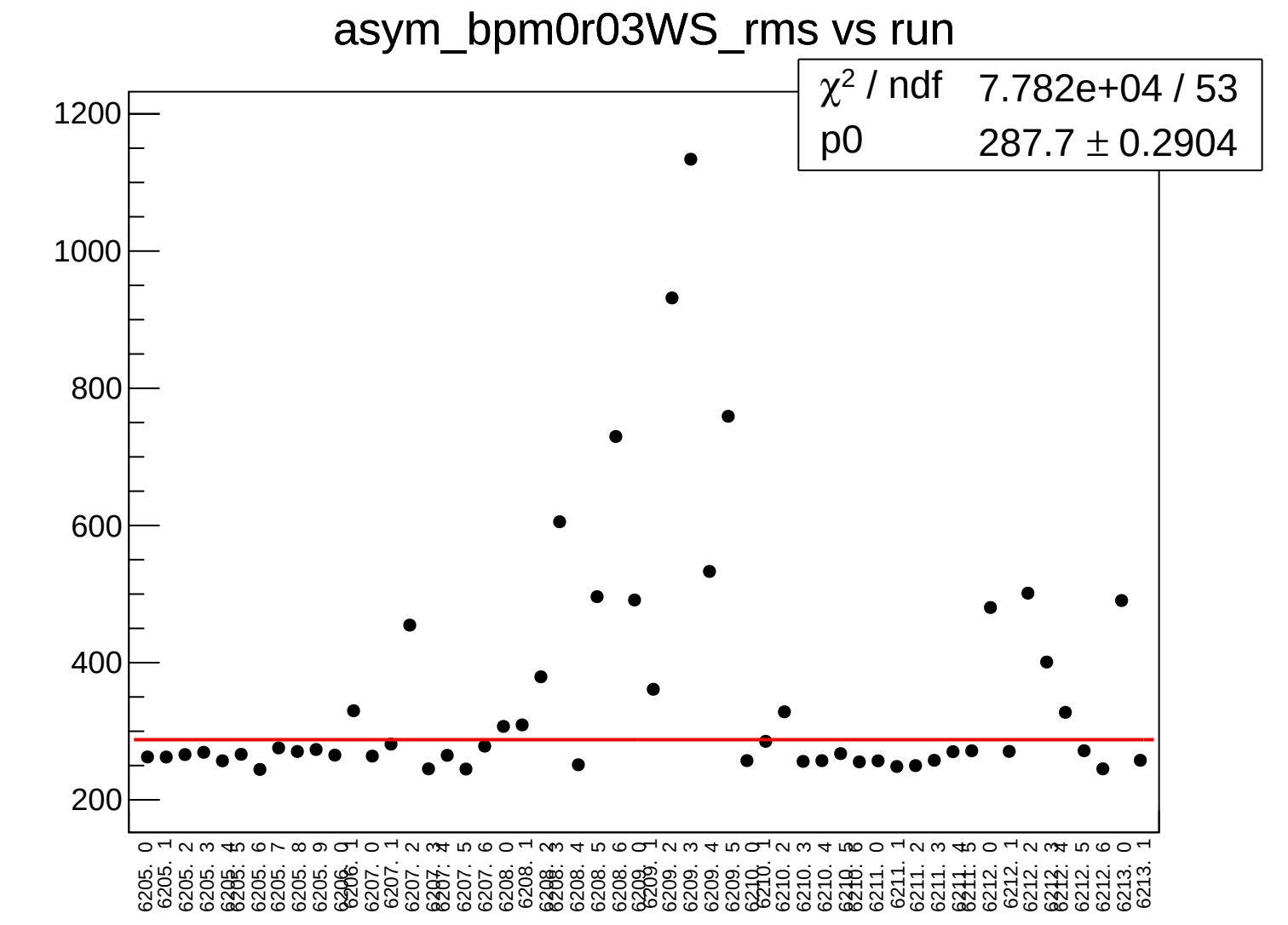

asym_bpm0l10WS_mean vs run
χ² / ndf 92.88 / 53
p0 −1658 ± 333.2
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
pull
Entries 54
Mean −10.71
Std Dev 0
8
6
4
2
0
−2


pull1D
Entries 54
Mean −0.05712
Std Dev 1.31
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_bpm0l10WS_rms vs run
χ² / ndf 1.032e+05 / 53
p0 230.4 ± 0.2356
1200
1000
800
600
400
200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 1
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1


asym_bpm0r03WS_mean vs run
χ² / ndf 66.45 / 53
p0 −1728 ± 410.6
10000
0
−10000
−20000
−30000
pull
Entries 54
Mean −5.532
Std Dev 0


pull1D
Entries 54
Mean −0.05479
Std Dev 1.108
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_bpm0r03WS_rms vs run
χ² / ndf 7.782e+04 / 53
p0 287.7 ± 0.2904
1200
1000
800
600
400
200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
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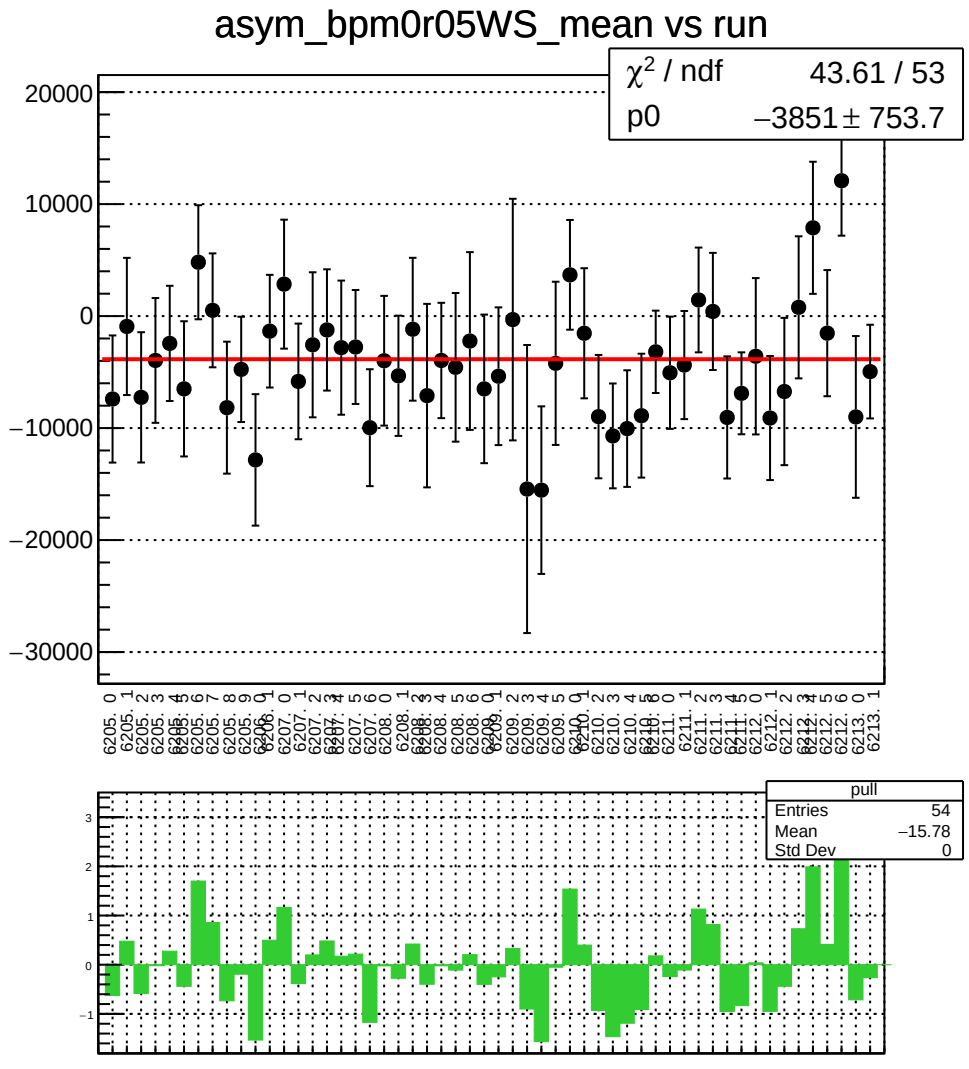
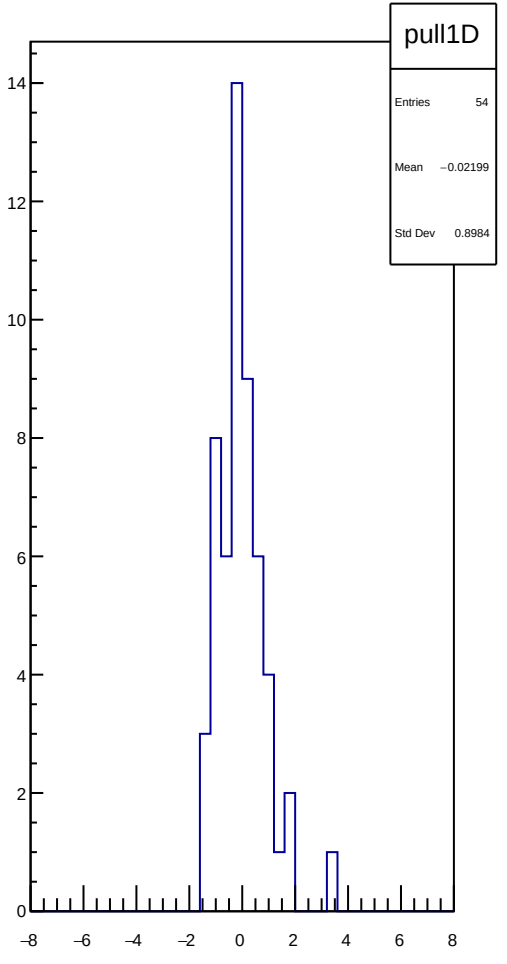
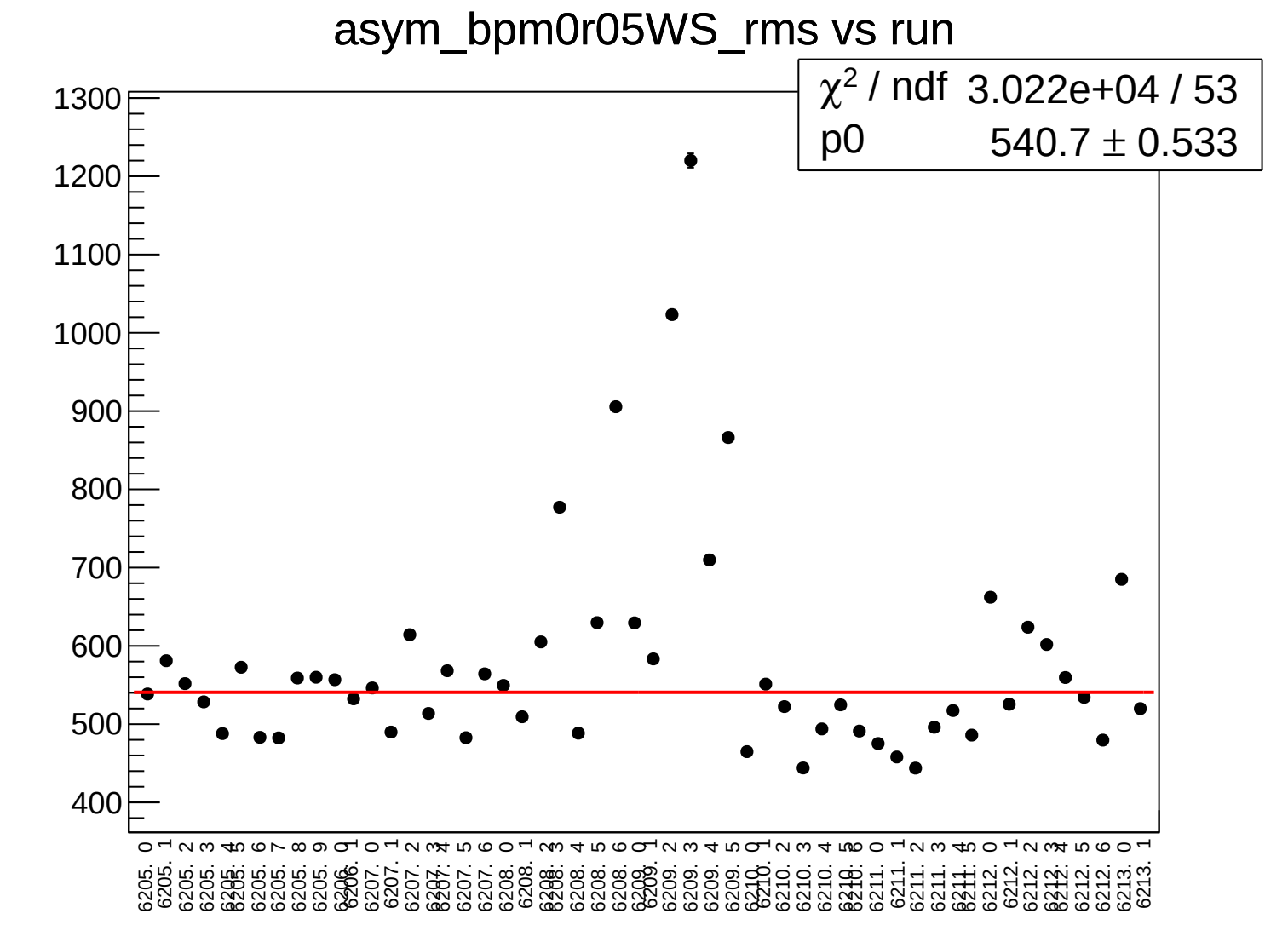
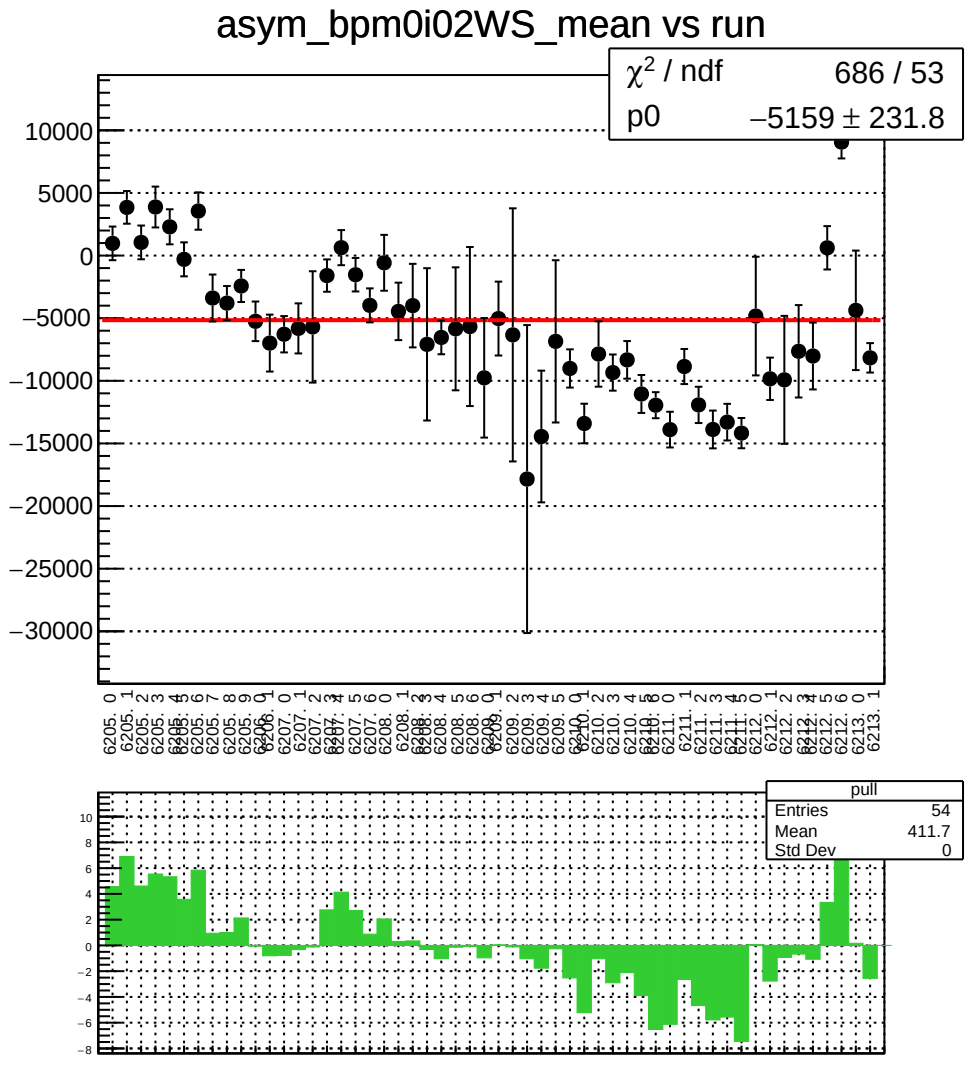
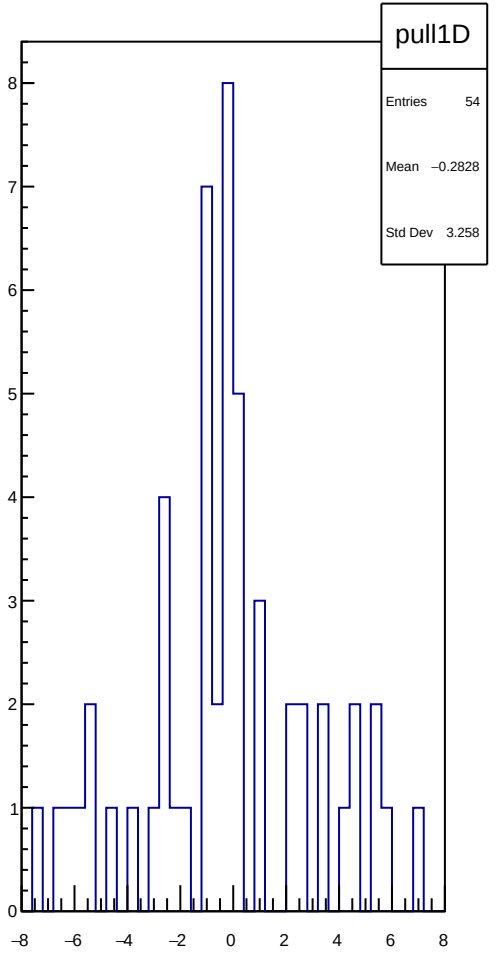
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

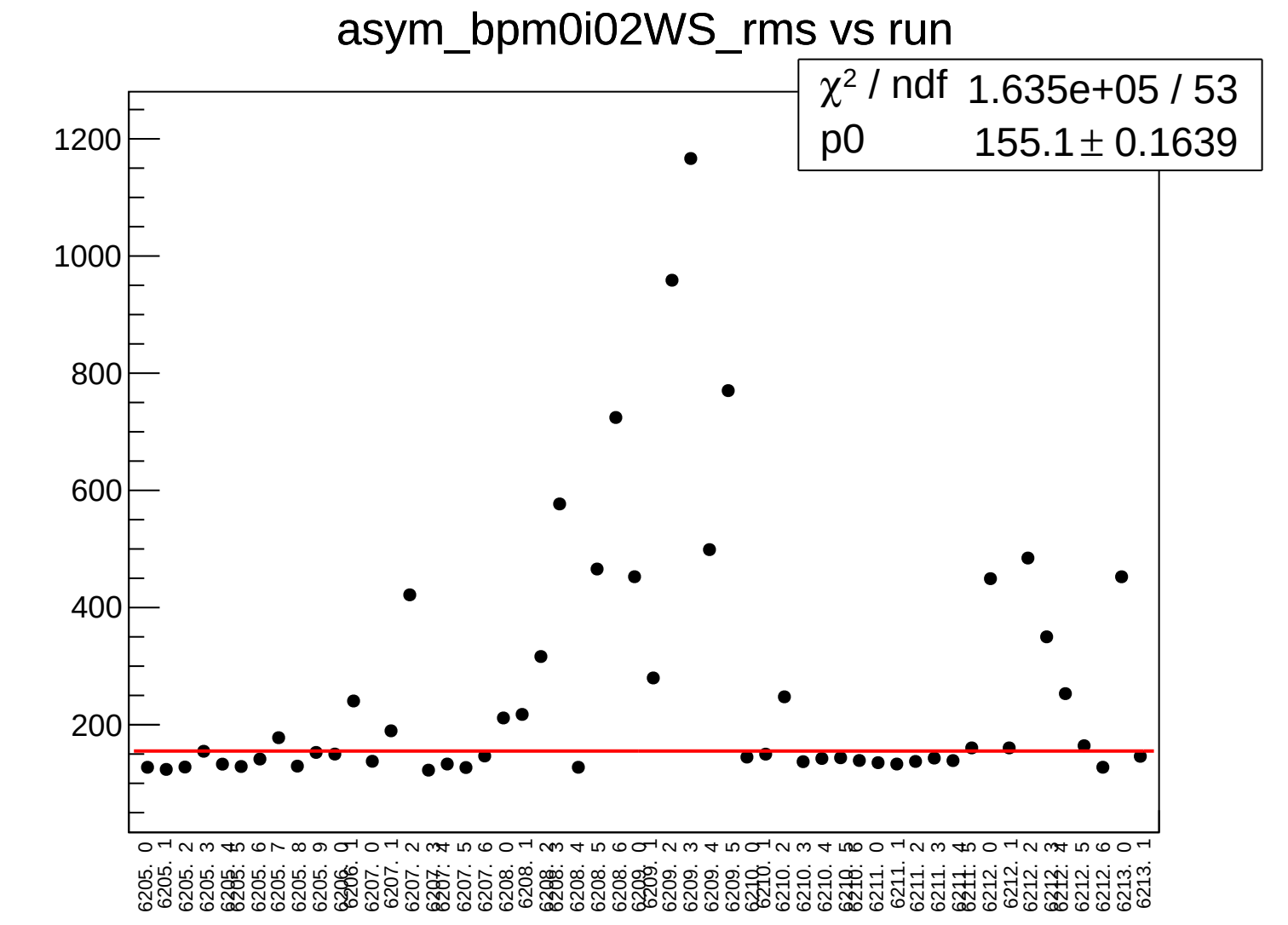

asym_bpm0r05WS_mean vs run
χ² / ndf 43.61 / 53
p0 −3851 ± 753.7
20000
10000
0
−10000
−20000
−30000
pull
Entries 54
Mean −15.78
Std Dev 0
3
2
1
0
−1

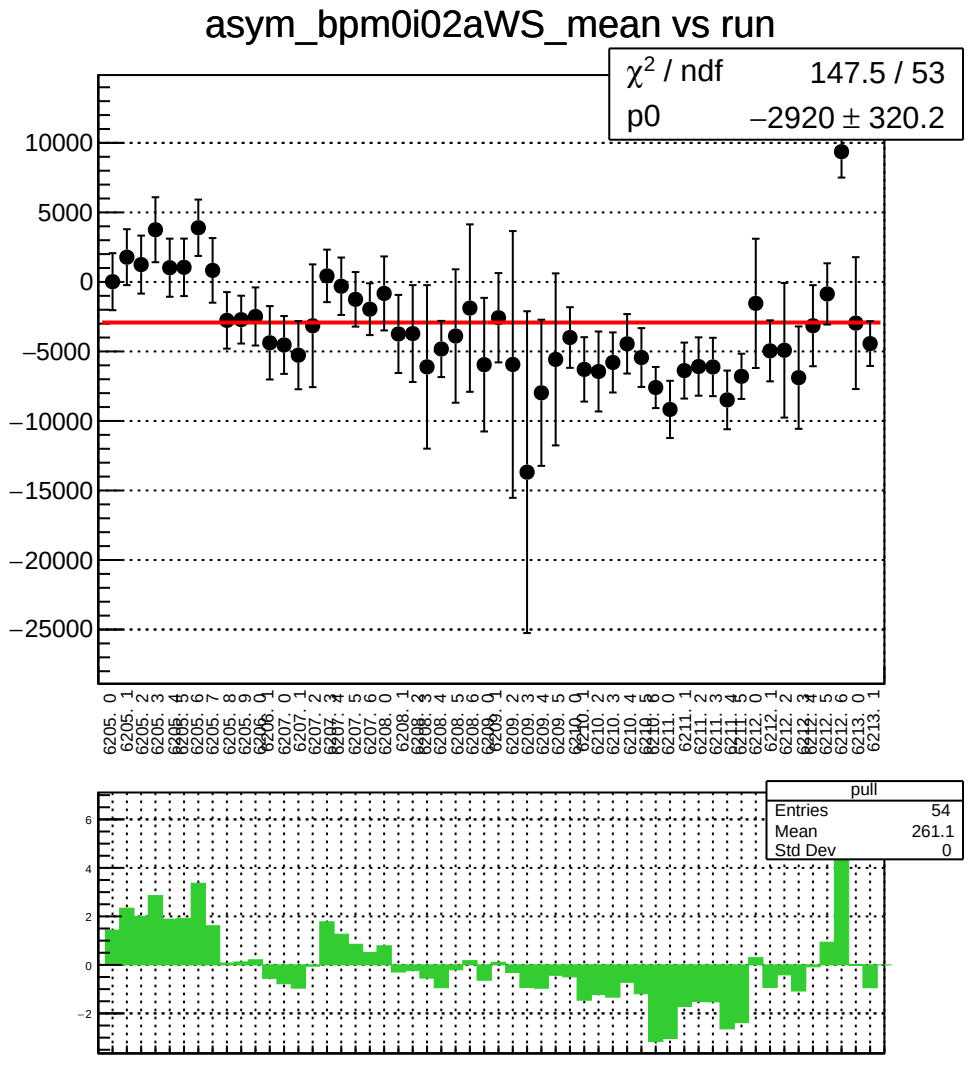

pull1D
Entries 54
Mean −0.02199
Std Dev 0.8984
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

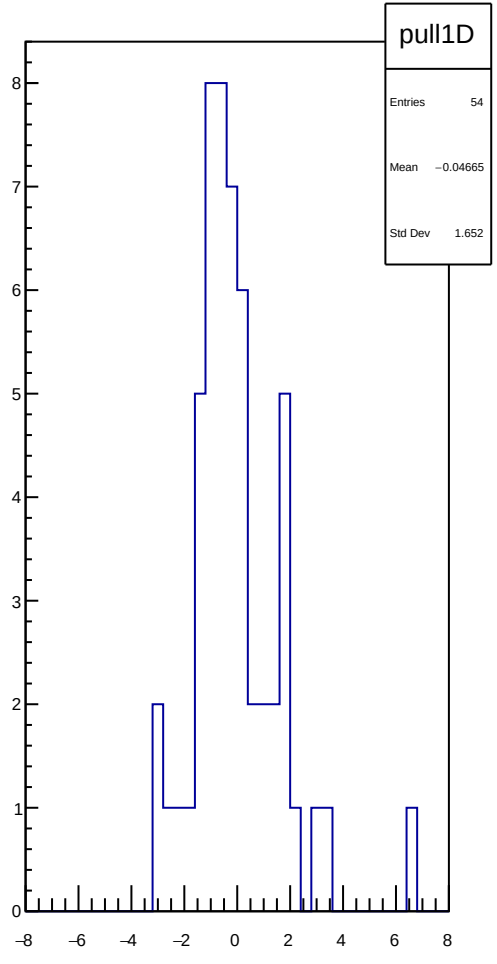

asym_bpm0r05WS_rms vs run
χ² / ndf 3.022e+04 / 53
p0 540.7 ± 0.533
1300
1200
1100
1000
900
800
700
600
500
400
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

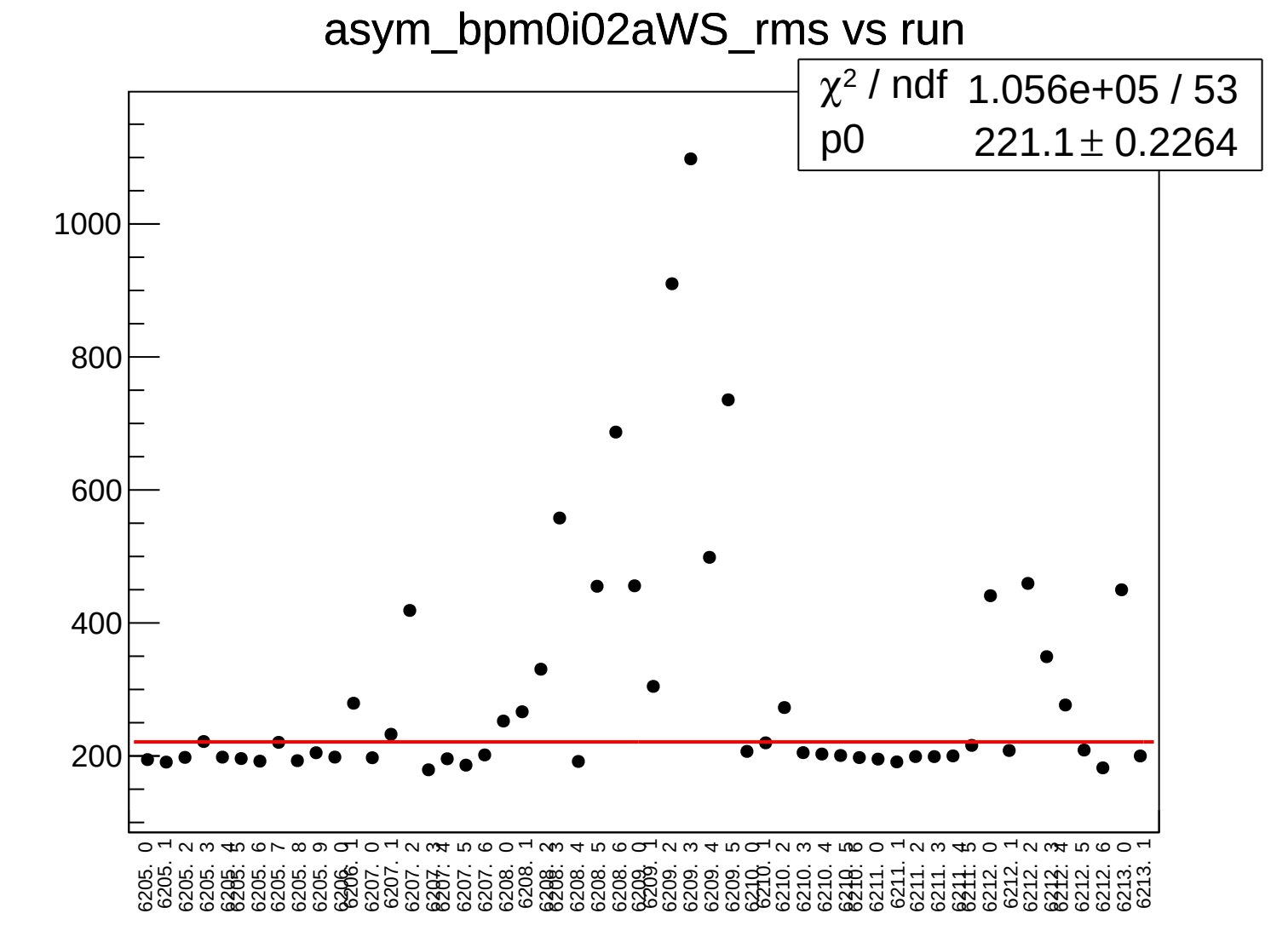

asym_bpm0i02WS_mean vs run
χ² / ndf 686 / 53
p0 −5159 ± 231.8
pull
Entries 54
Mean 411.7
Std Dev 0

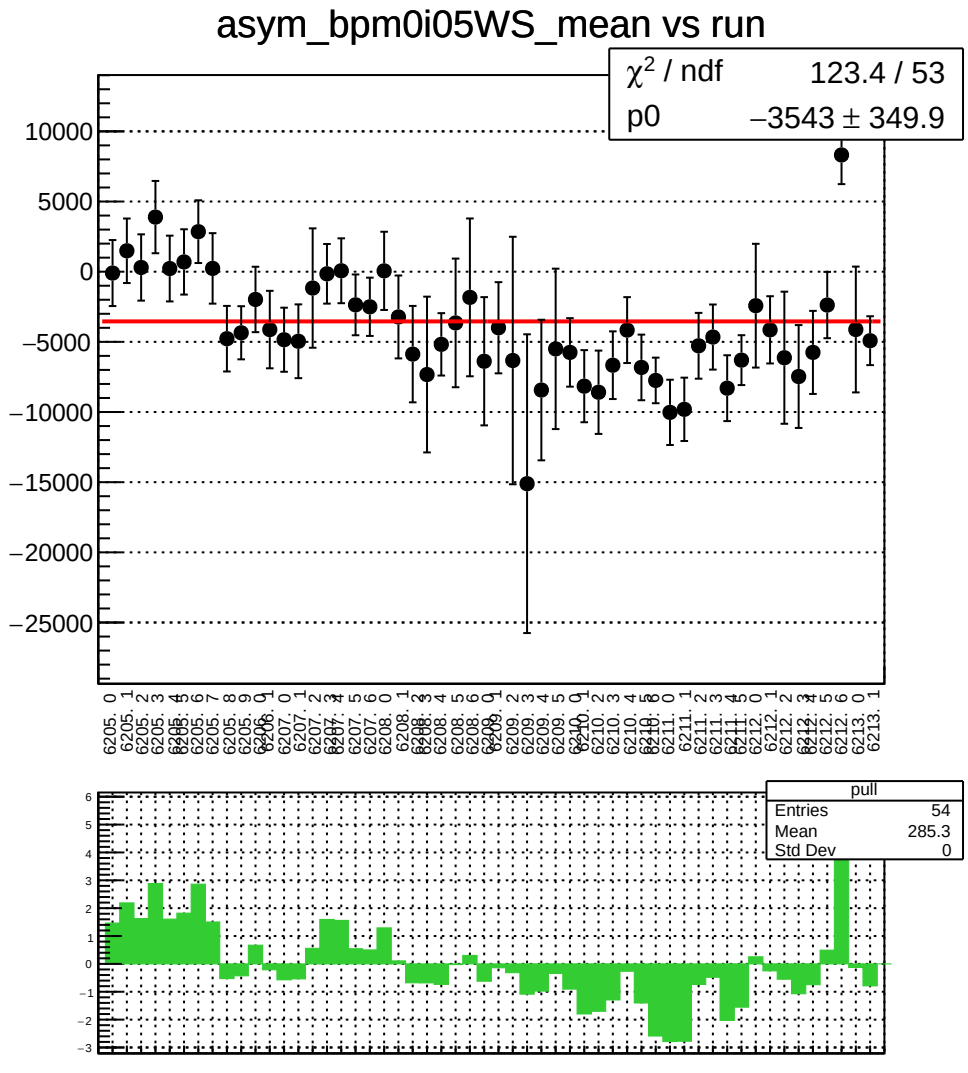

pull1D
Entries 54
Mean −0.2828
Std Dev 3.258

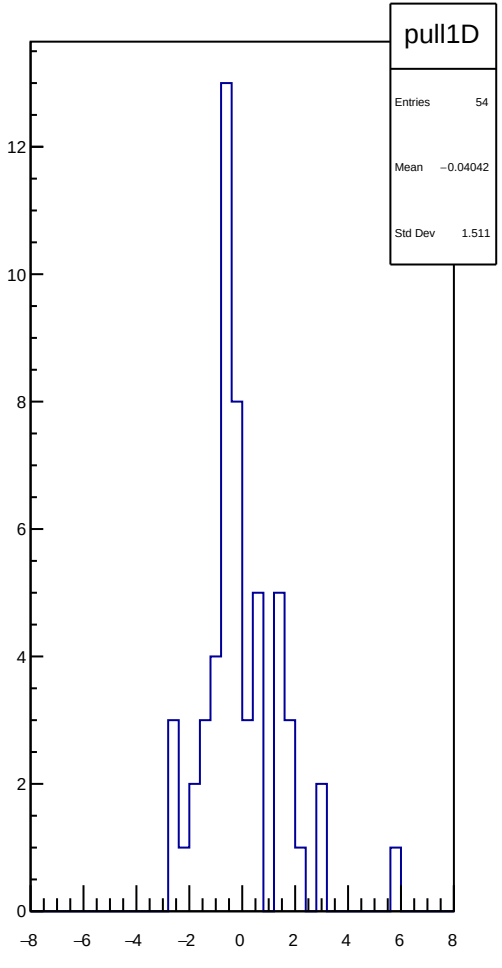

asym_bpm0i02WS_rms vs run
χ² / ndf 1.635e+05 / 53
p0 155.1 ± 0.1639
1200
1000
800
600
400
200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

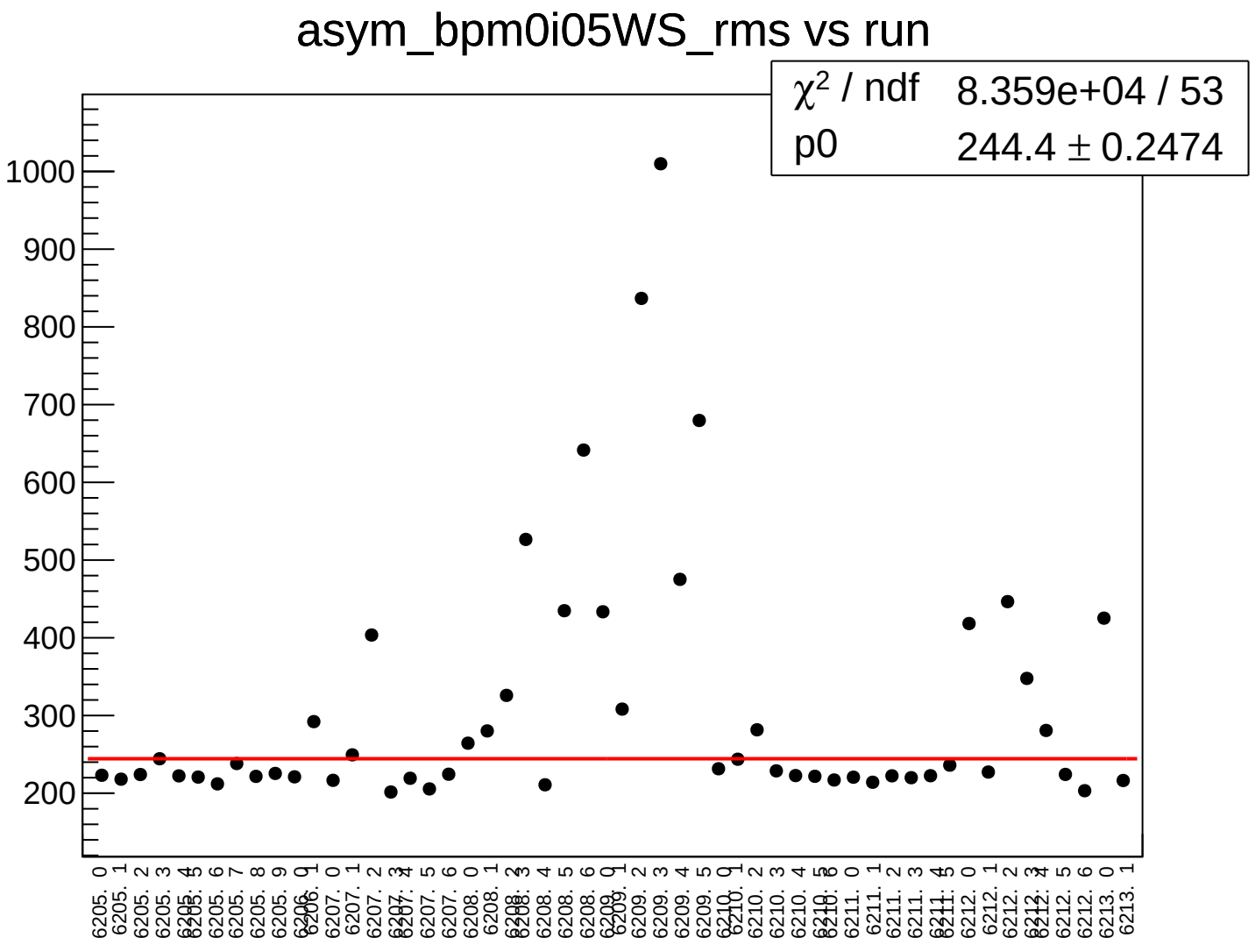

asym_bpm0i02aWS_mean vs run
χ² / ndf 147.5 / 53
p0 −2920 ± 320.2
pull
Entries 54
Mean 261.1
Std Dev 0

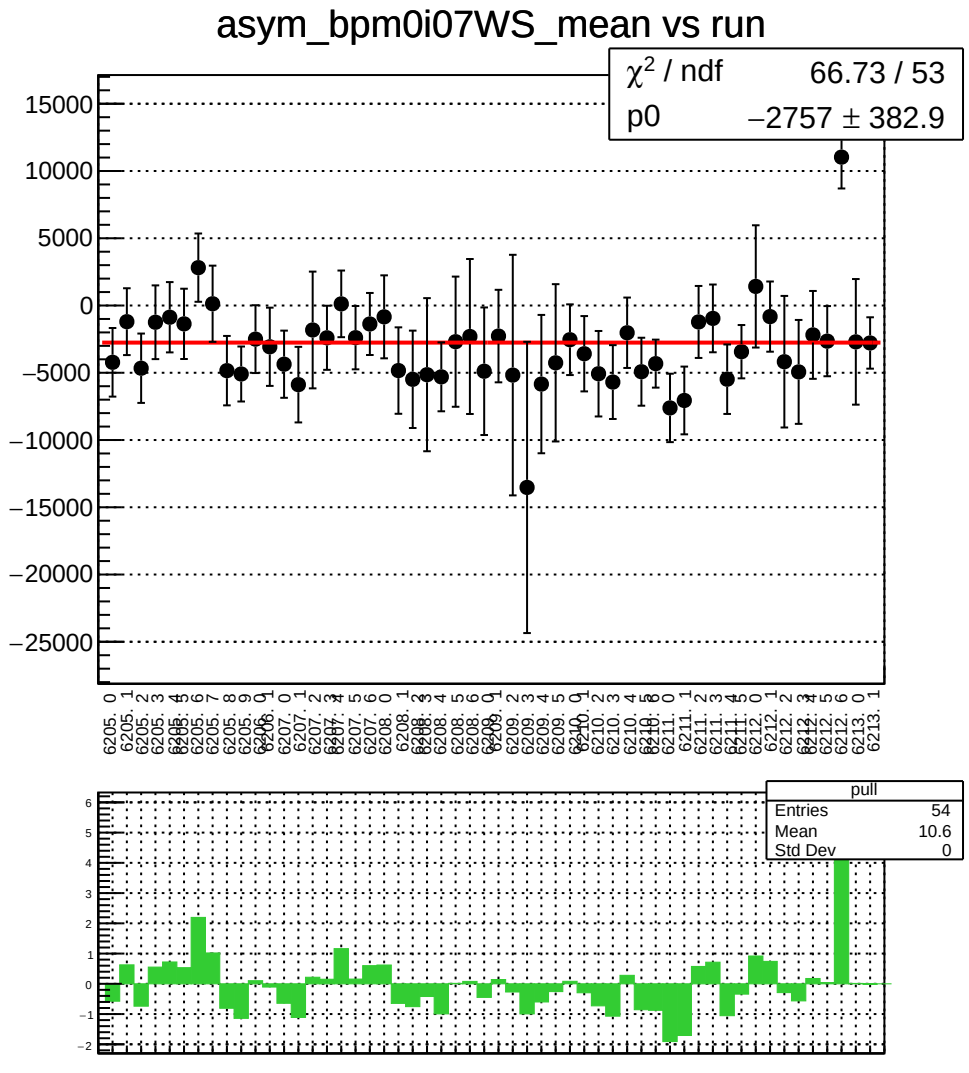

pull1D
Entries 54
Mean −0.04665
Std Dev 1.652

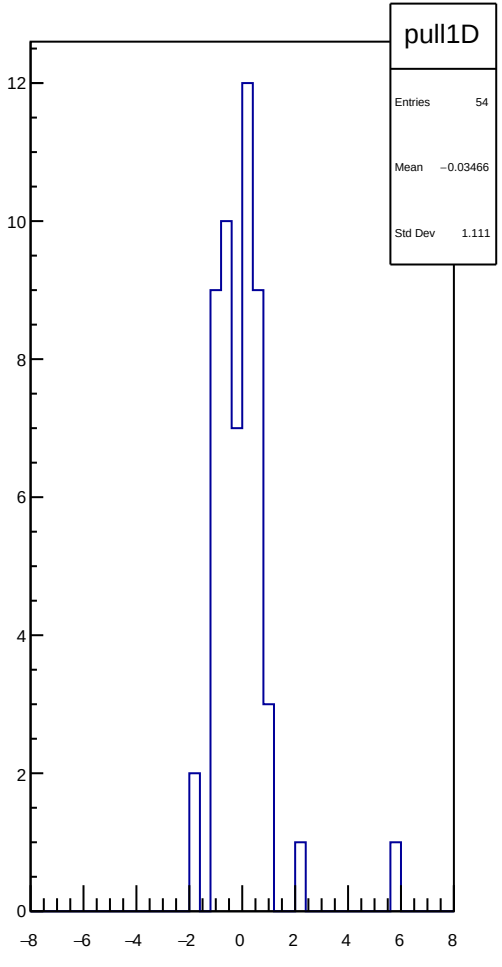

asym_bpm0i02aWS_rms vs run
χ² / ndf 1.056e+05 / 53
p0 221.1 ± 0.2264
1000
800
600
400
200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

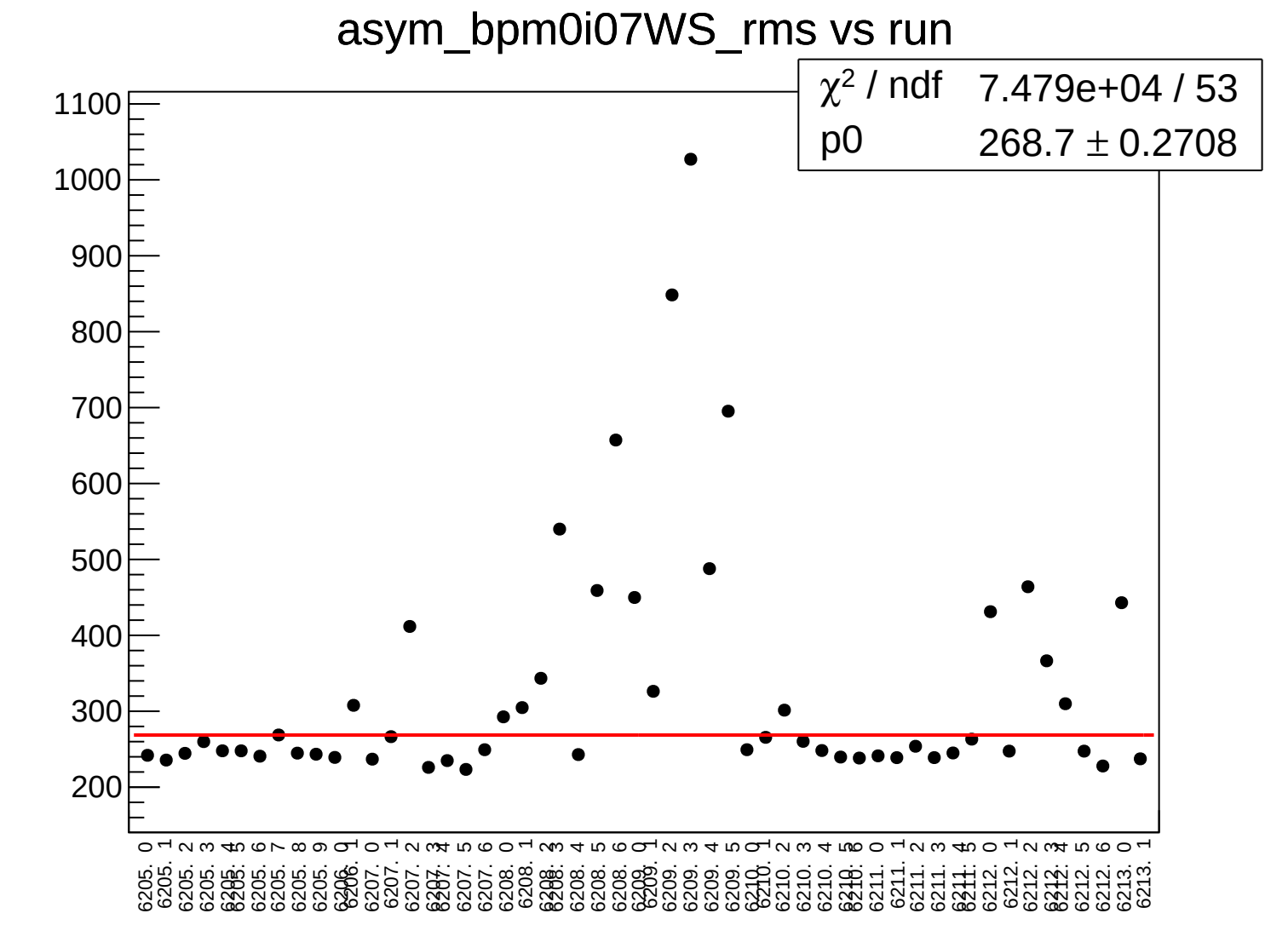

asym_bpm0i05WS_mean vs run
χ² / ndf 123.4 / 53
p0 −3543 ± 349.9
pull
Entries 54
Mean 285.3
Std Dev 0

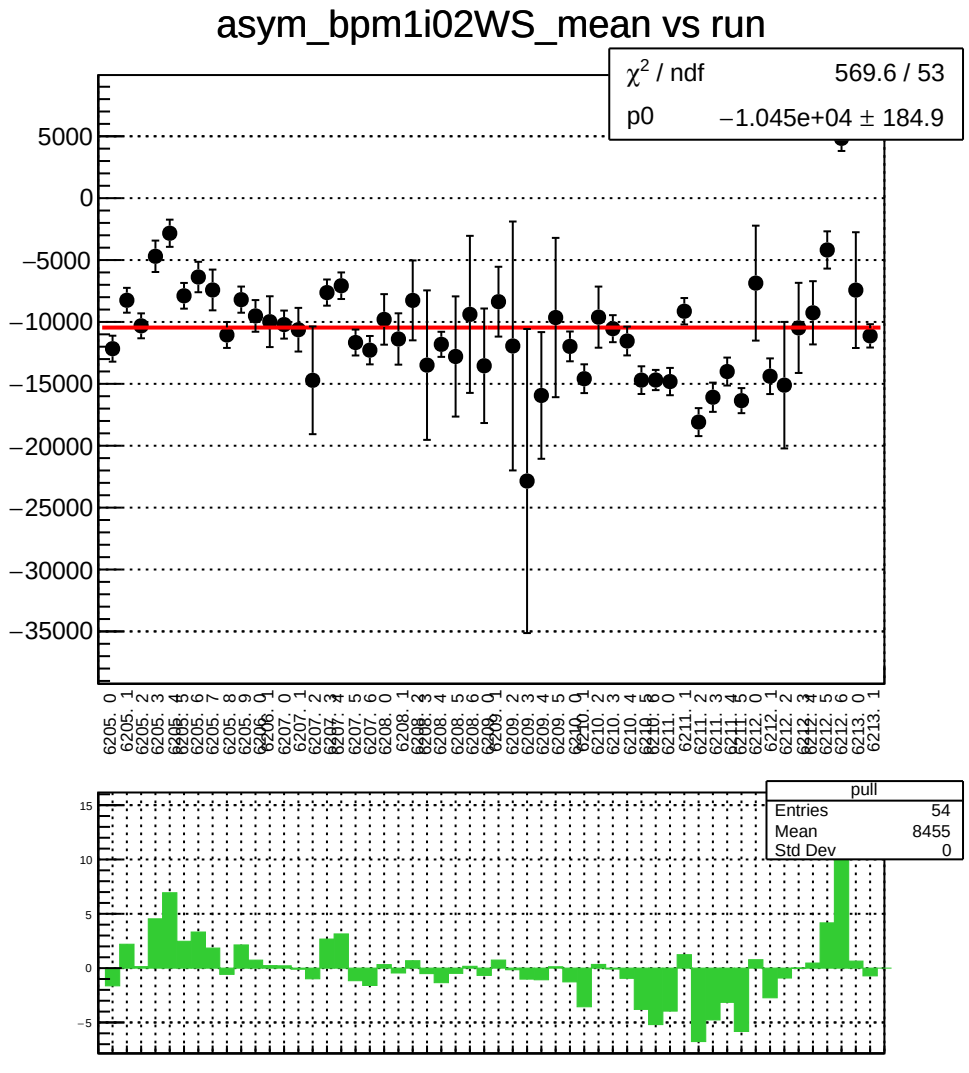

pull1D
Entries 54
Mean −0.04042
Std Dev 1.511

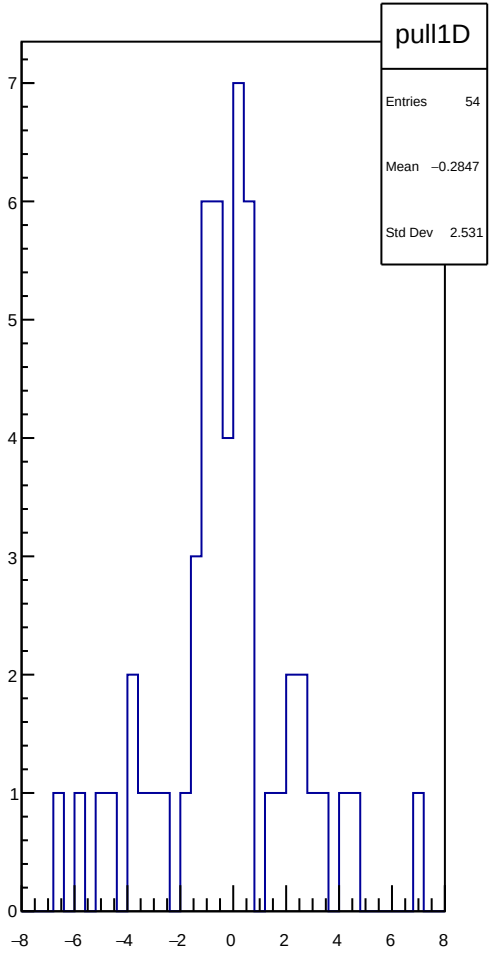

asym_bpm0i05WS_rms vs run
χ^2 / ndf 8.359e+04 / 53
p0 244.4 ± 0.2474
1000
900
800
700
600
500
400
300
200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

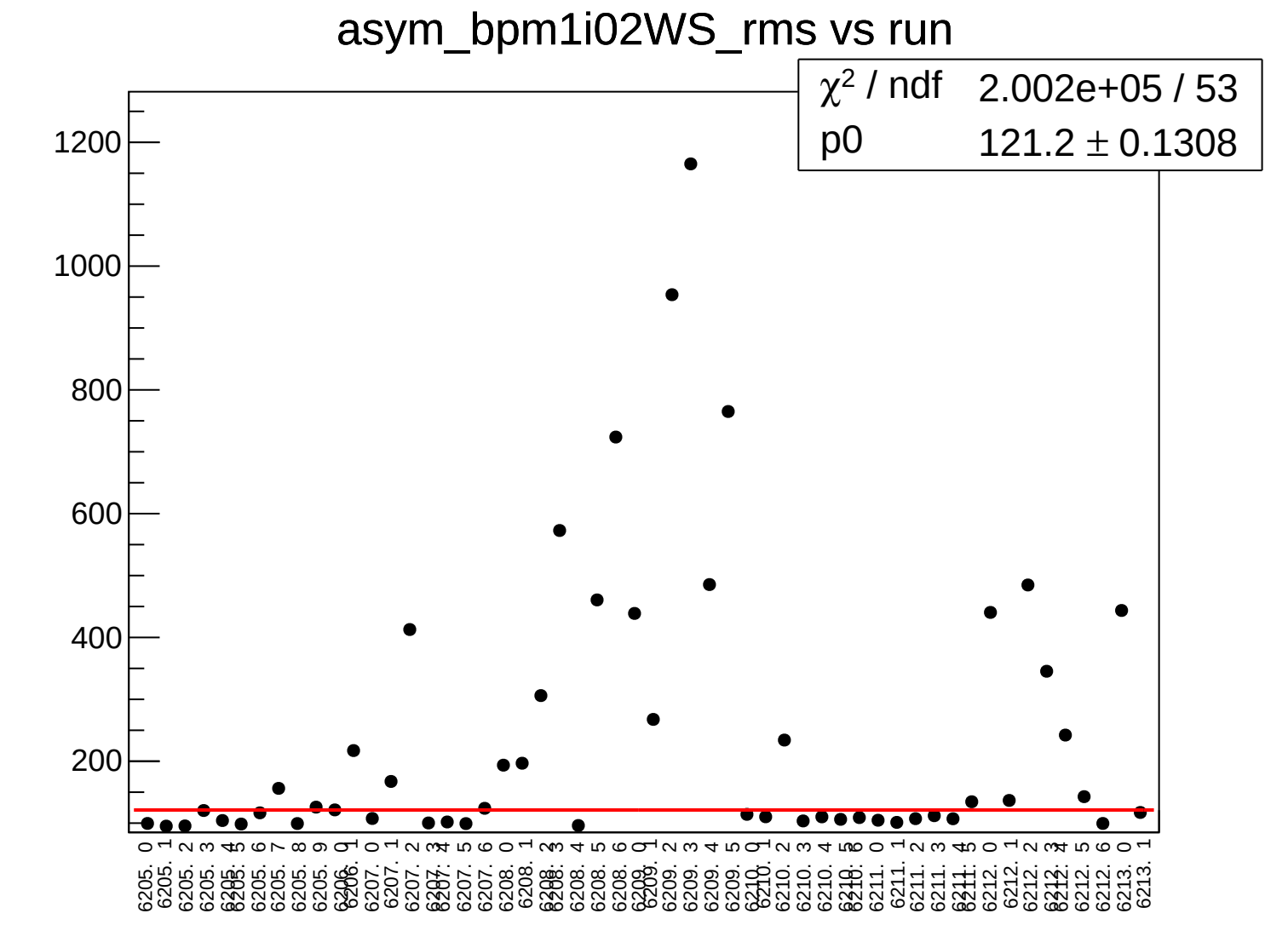

asym_bpm0i07WS_mean vs run
χ² / ndf 66.73 / 53
p0 −2757 ± 382.9
pull
Entries 54
Mean 10.6
Std Dev 0

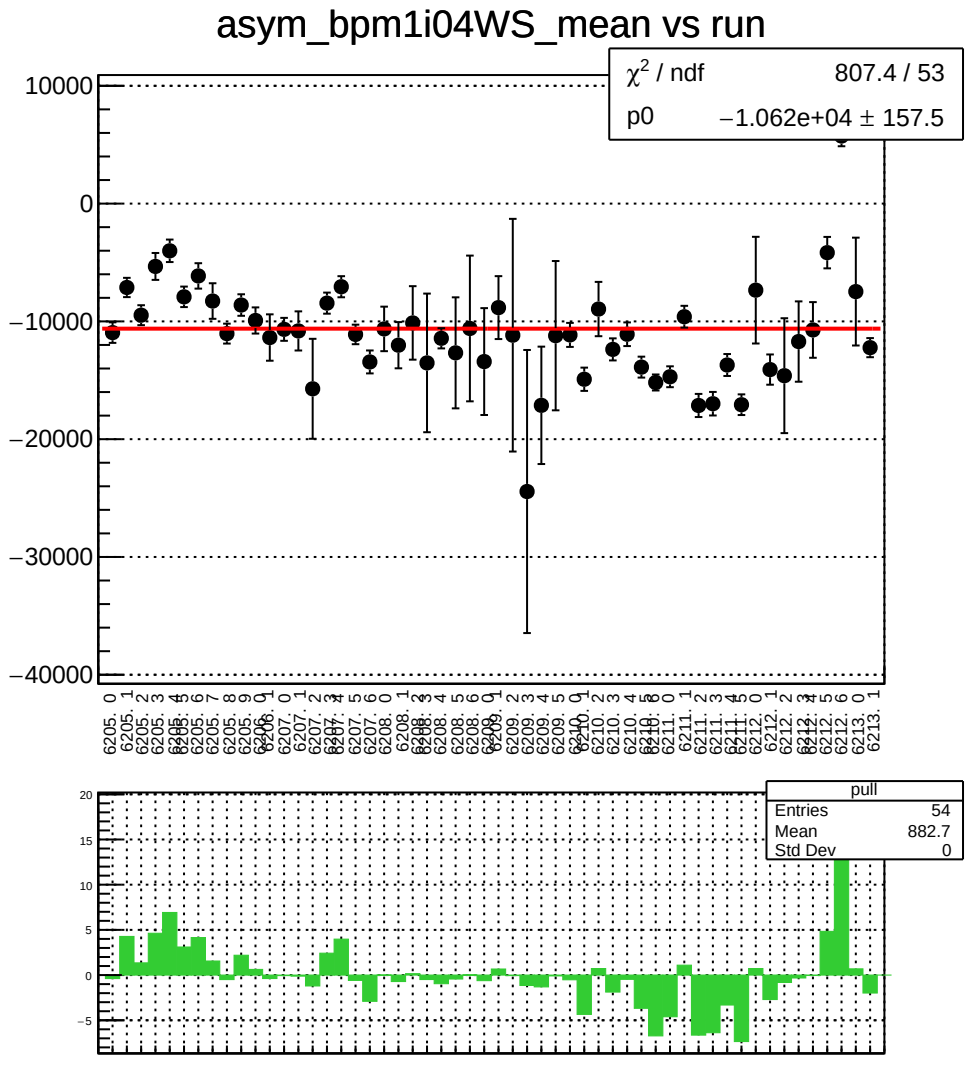

pull1D
Entries 54
Mean −0.03466
Std Dev 1.111

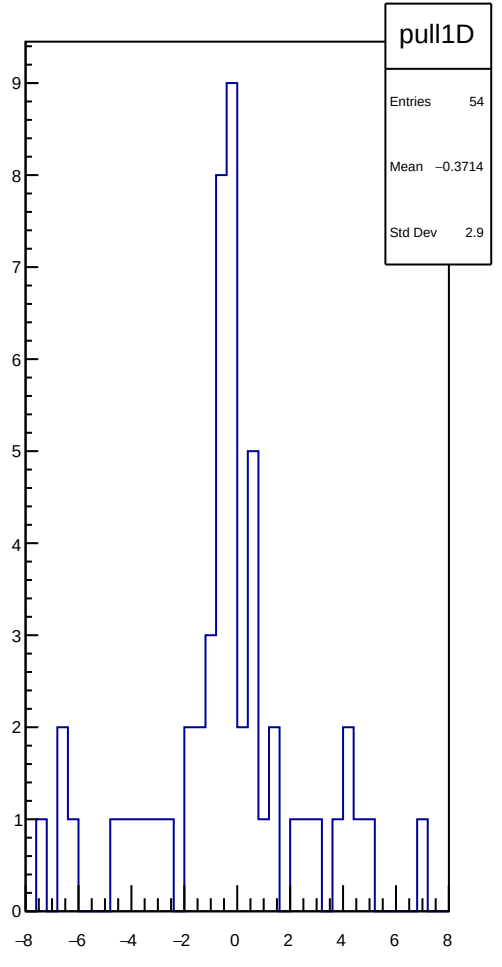

asym_bpm0i07WS_rms vs run
χ² / ndf 7.479e+04 / 53
p0 268.7 ± 0.2708
1100
1000
900
800
700
600
500
400
300
200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

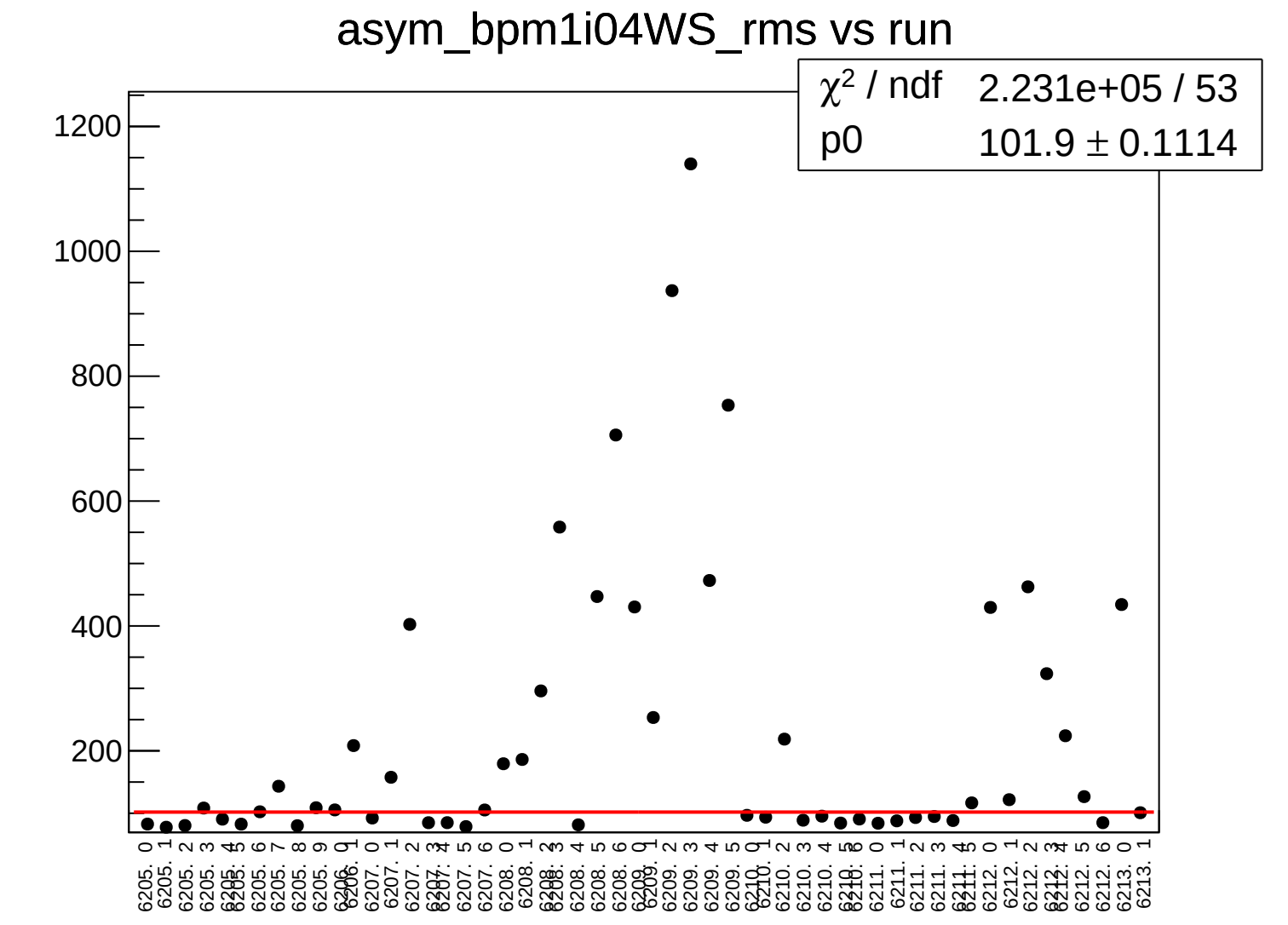

asym_bpm1i02WS_mean vs run
χ² / ndf 569.6 / 53
p0 −1.045e+04 ± 184.9
pull
Entries 54
Mean 8455
Std Dev 0

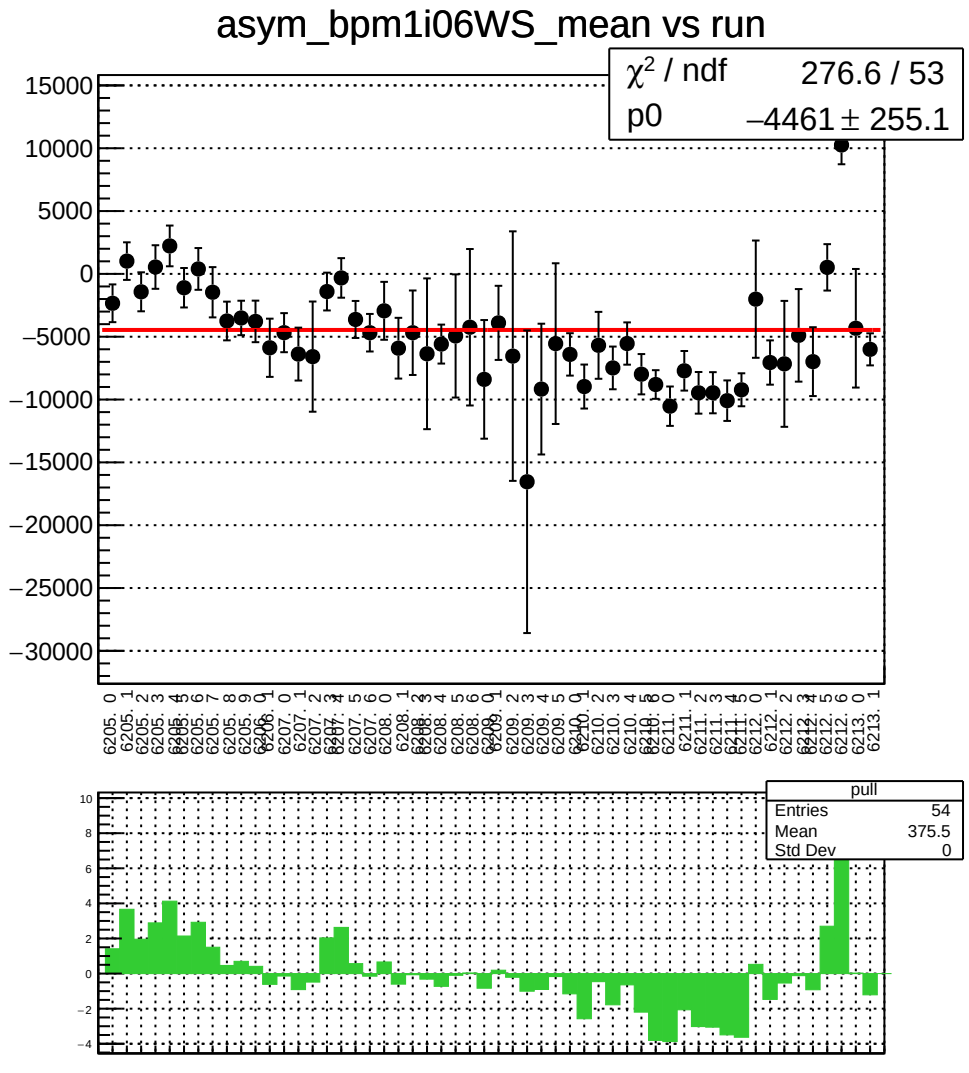

pull1D
Entries 54
Mean −0.2847
Std Dev 2.531

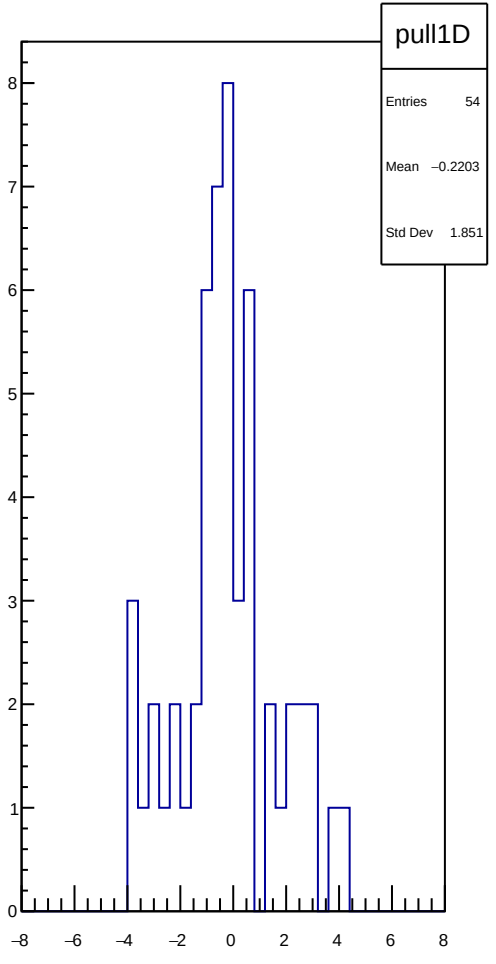

asym_bpm1i02WS_rms vs run
χ² / ndf 2.002e+05 / 53
p0 121.2 ± 0.1308
1200
1000
800
600
400
200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 1
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

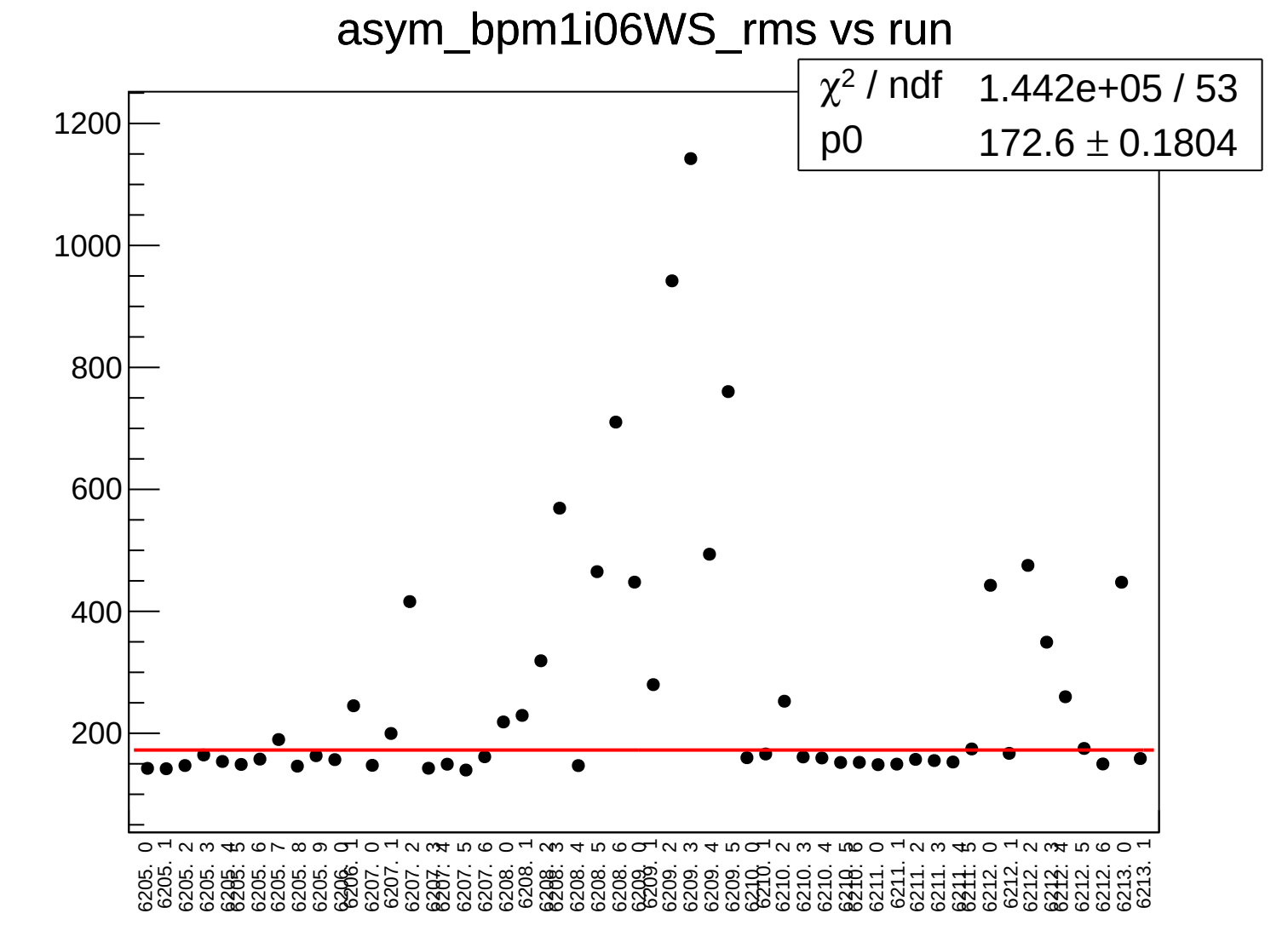

asym_bpm1i04WS_mean vs run
χ² / ndf 807.4 / 53
p0 −1.062e+04 ± 157.5
10000
0
−10000
−20000
−30000
−40000
pull
Entries 54
Mean 882.7
Std Dev 0
20
15
10
5
0
−5

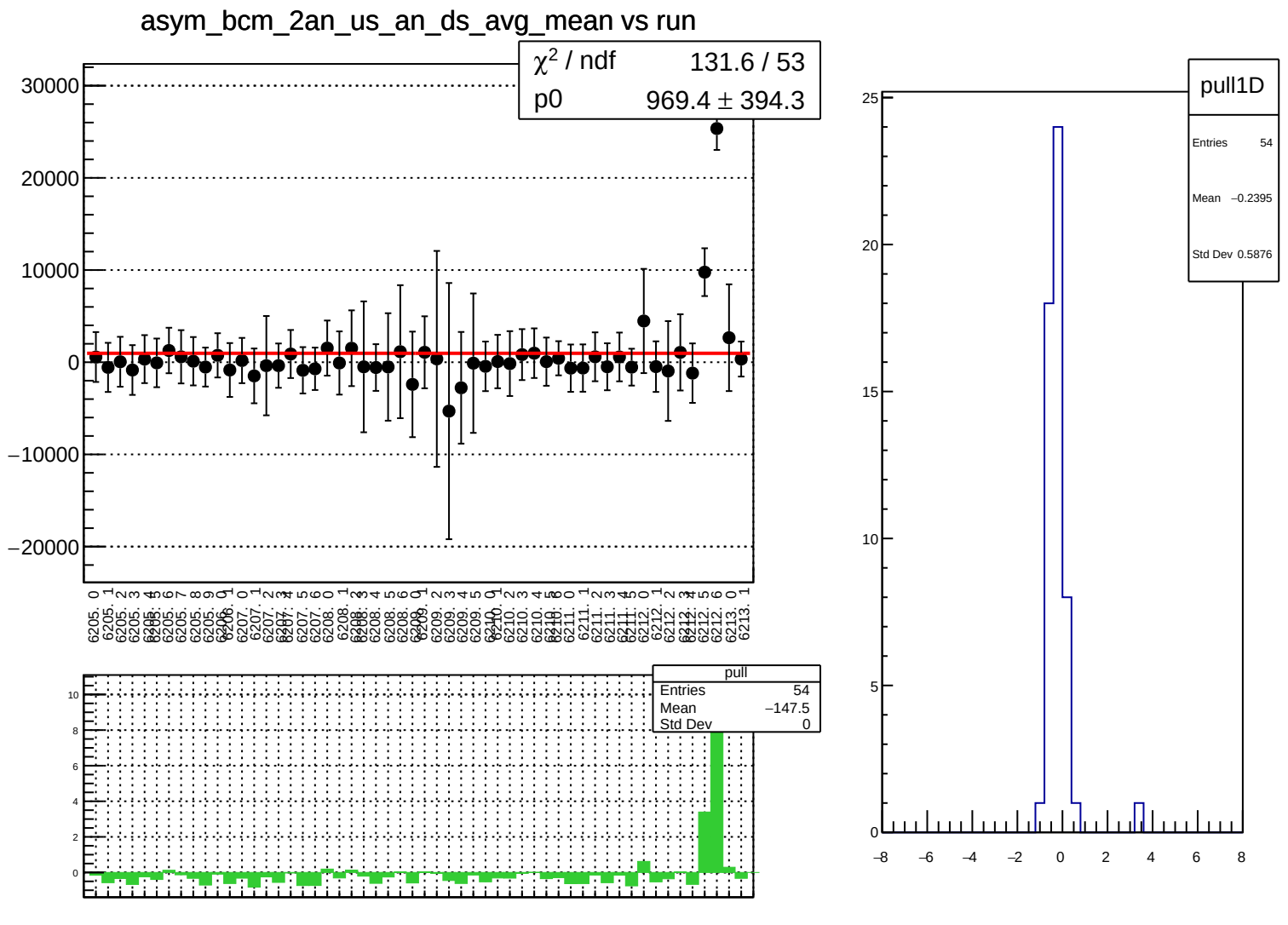

pull1D
Entries 54
Mean −0.3714
Std Dev 2.9
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

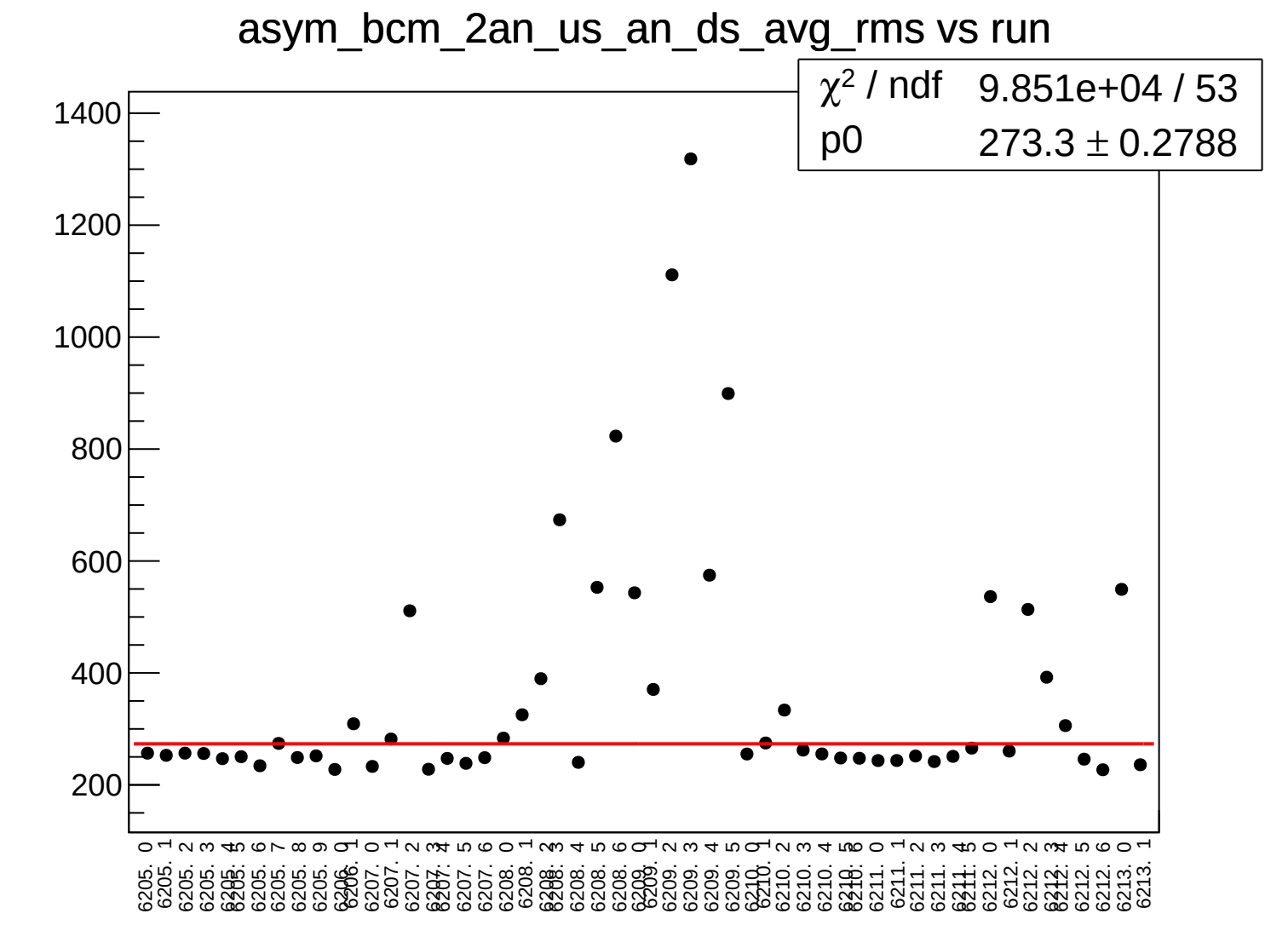

asym_bpm1i04WS_rms vs run
χ² / ndf 2.231e+05 / 53
p0 101.9 ± 0.1114
1200
1000
800
600
400
200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 1
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

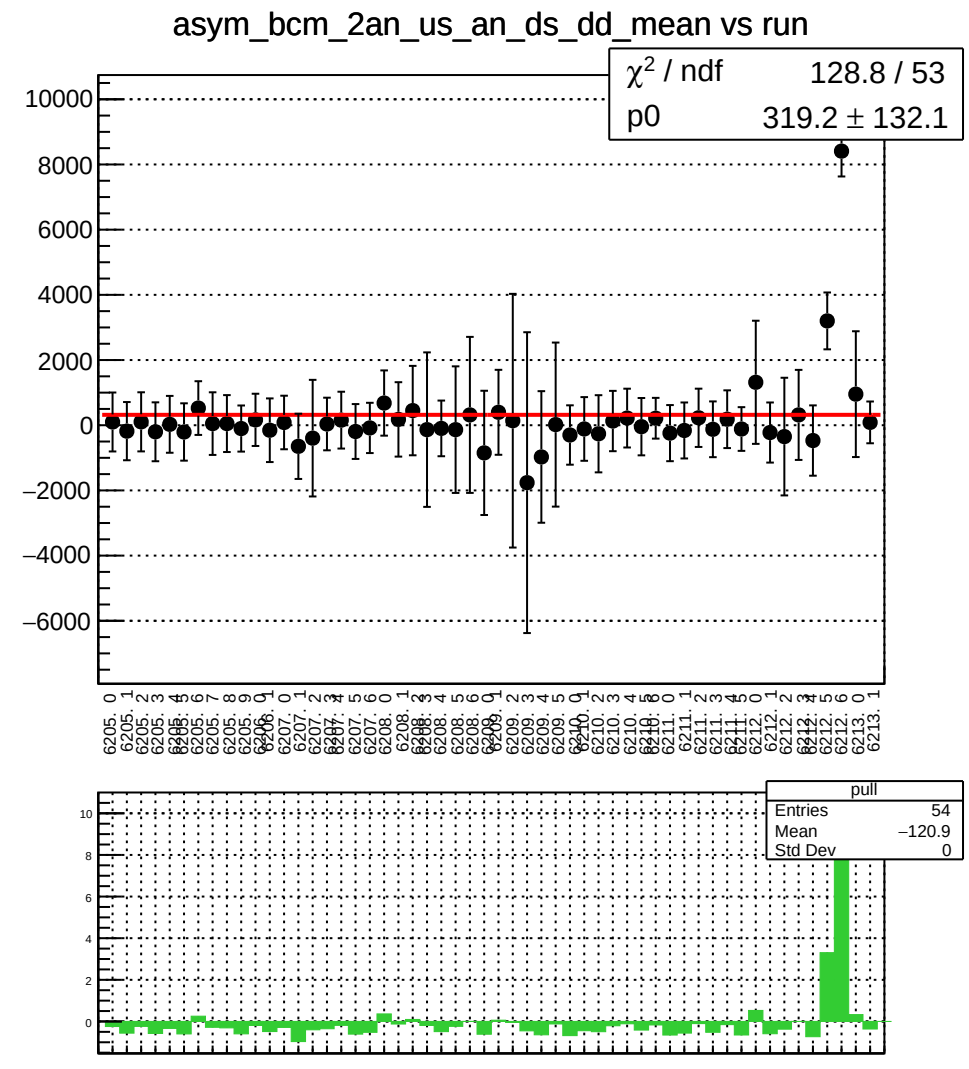

asym_bpm1i06WS_mean vs run
χ² / ndf 276.6 / 53
p0 −4461 ± 255.1
pull
Entries 54
Mean 375.5
Std Dev 0

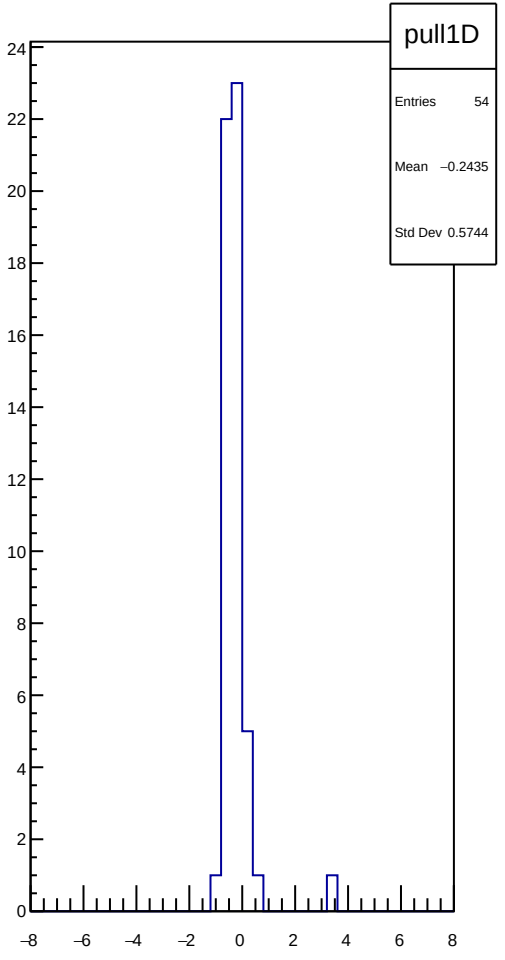

pull1D
Entries 54
Mean −0.2203
Std Dev 1.851

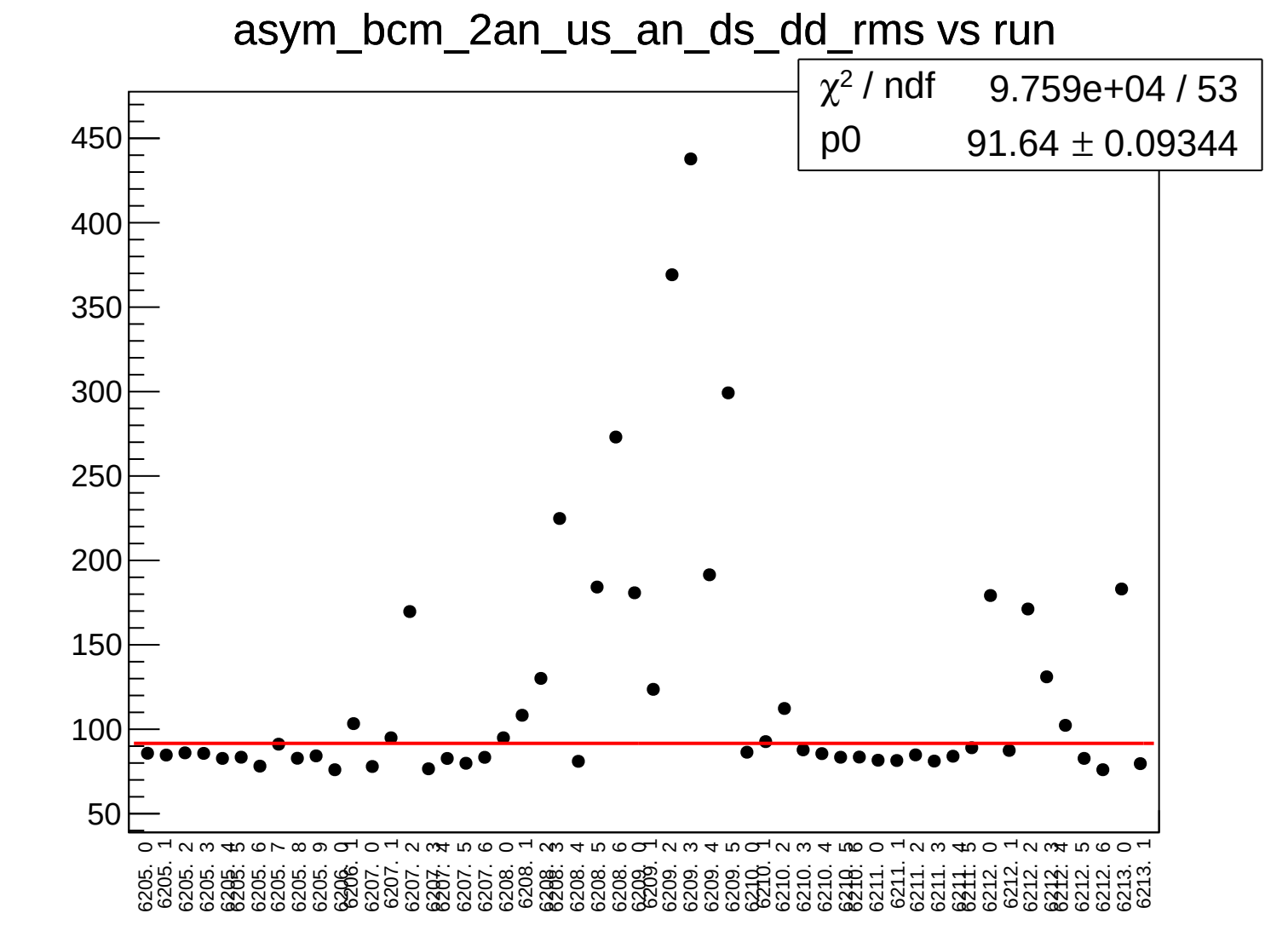

asym_bpm1i06WS_rms vs run
χ^2 / ndf 1.442e+05 / 53
p0 172.6 ± 0.1804
1200
1000
800
600
400
200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

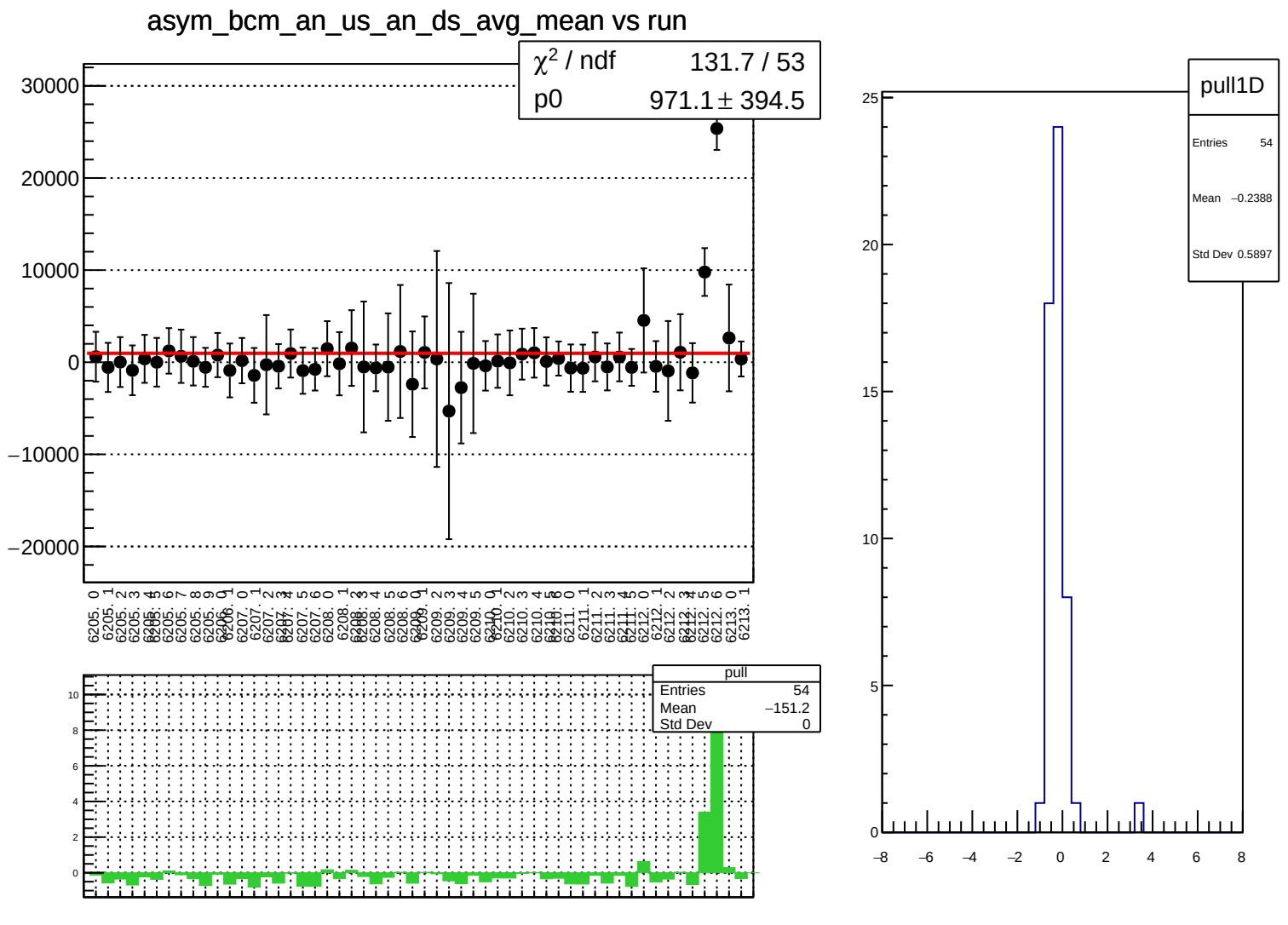

asym_bcm_2an_us_an_ds_avg_mean vs run
χ² / ndf 131.6 / 53
p0 969.4 ± 394.3
30000
20000
10000
0
−10000
−20000
pull
Entries 54
Mean −147.5
Std Dev 0
pull1D
Entries 54
Mean −0.2395
Std Dev 0.5876
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

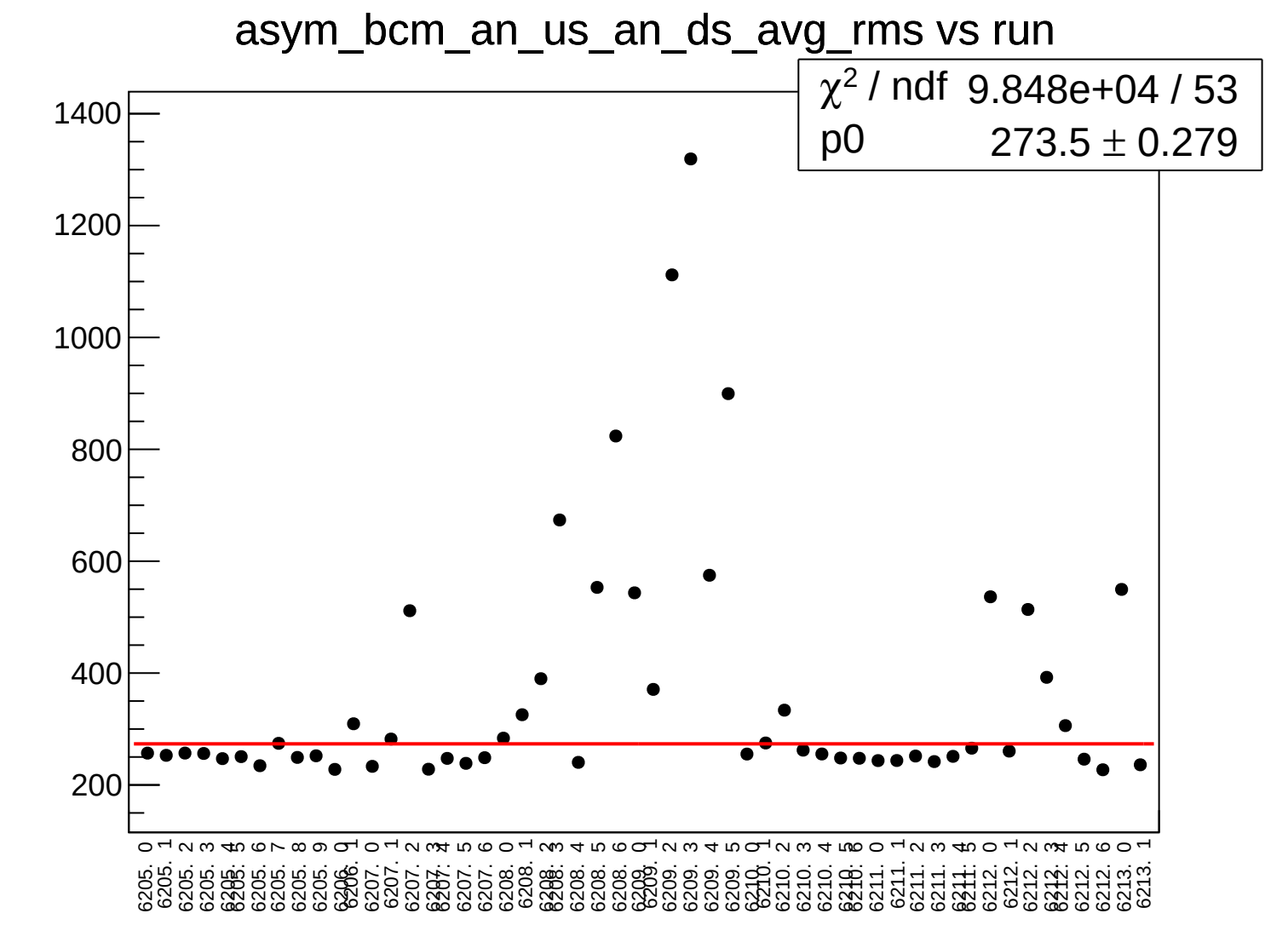

asym_bcm_2an_us_an_ds_avg_rms vs run
χ² / ndf 9.851e+04 / 53
p0 273.3 ± 0.2788
1400
1200
1000
800
600
400
200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

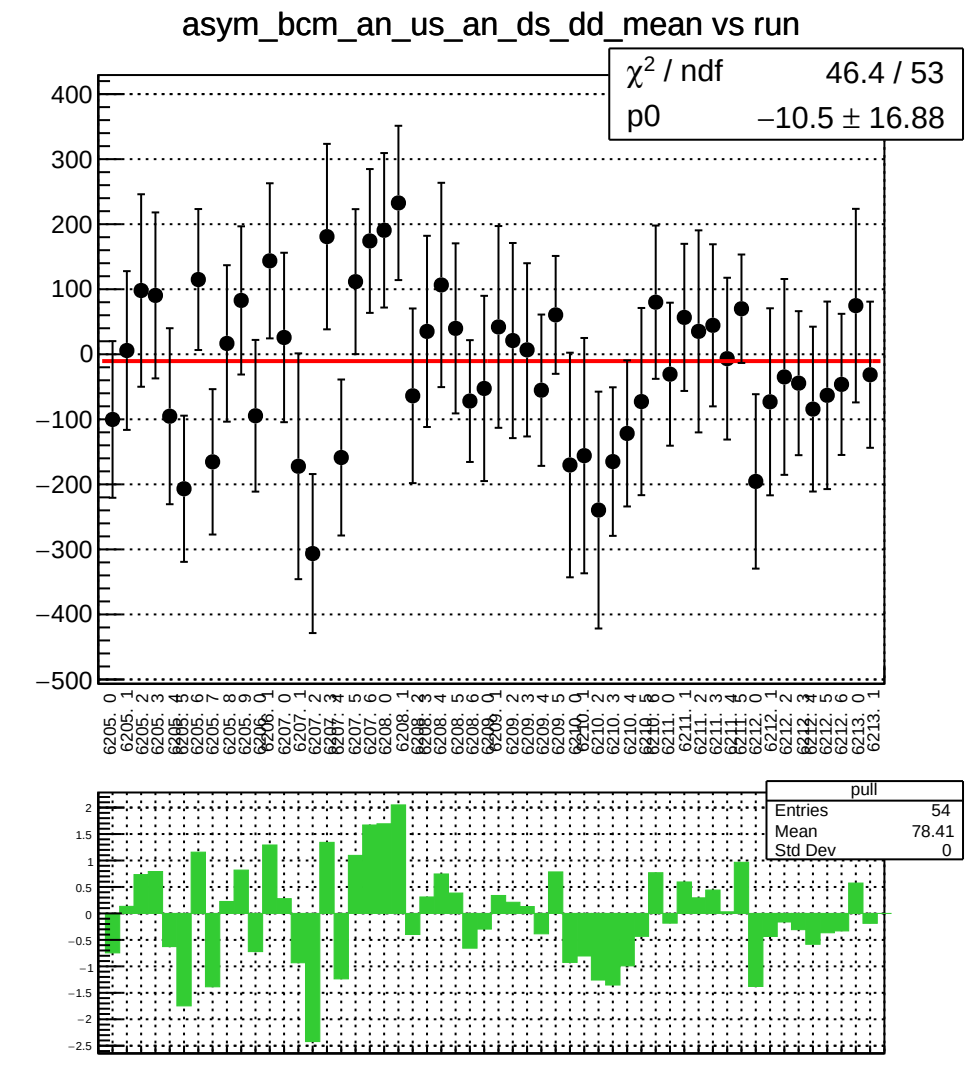

asym_bcm_2an_us_an_ds_dd_mean vs run
χ² / ndf 128.8 / 53
p0 319.2 ± 132.1
pull
Entries 54
Mean −120.9
Std Dev 0

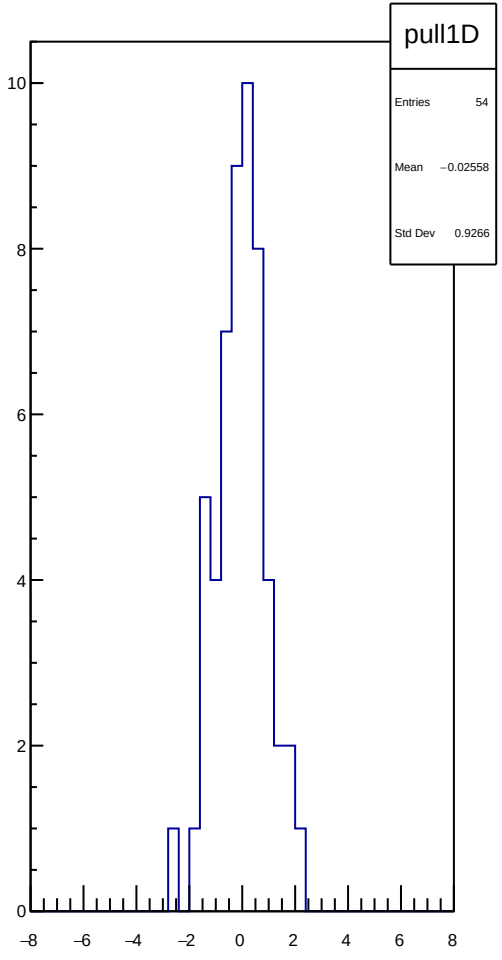

pull1D
Entries 54
Mean −0.2435
Std Dev 0.5744

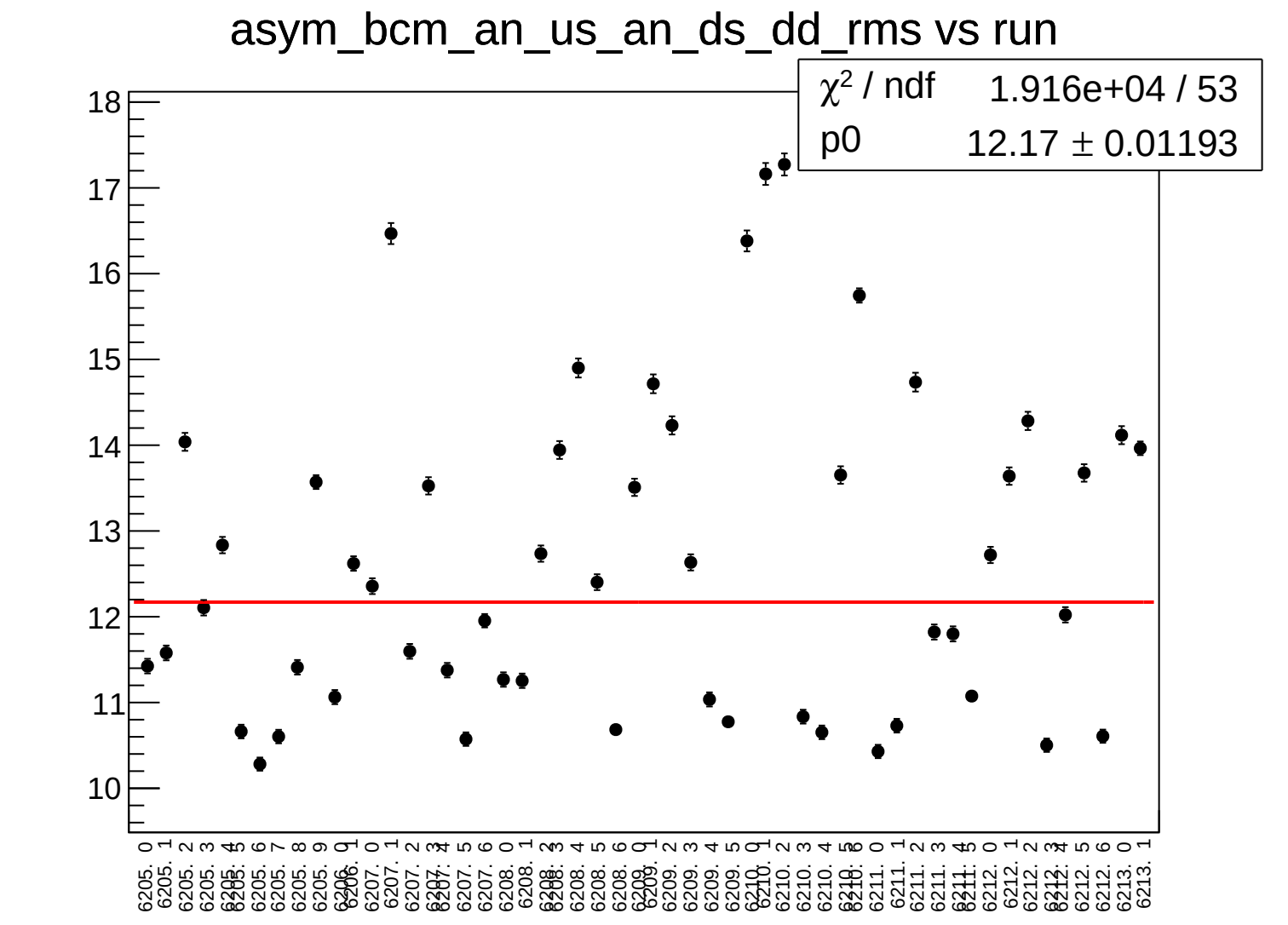

asym_bcm_2an_us_an_ds_dd_rms vs run
χ^2 / ndf 9.759e+04 / 53
p0 91.64 ± 0.09344
450
400
350
300
250
200
150
100
50
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

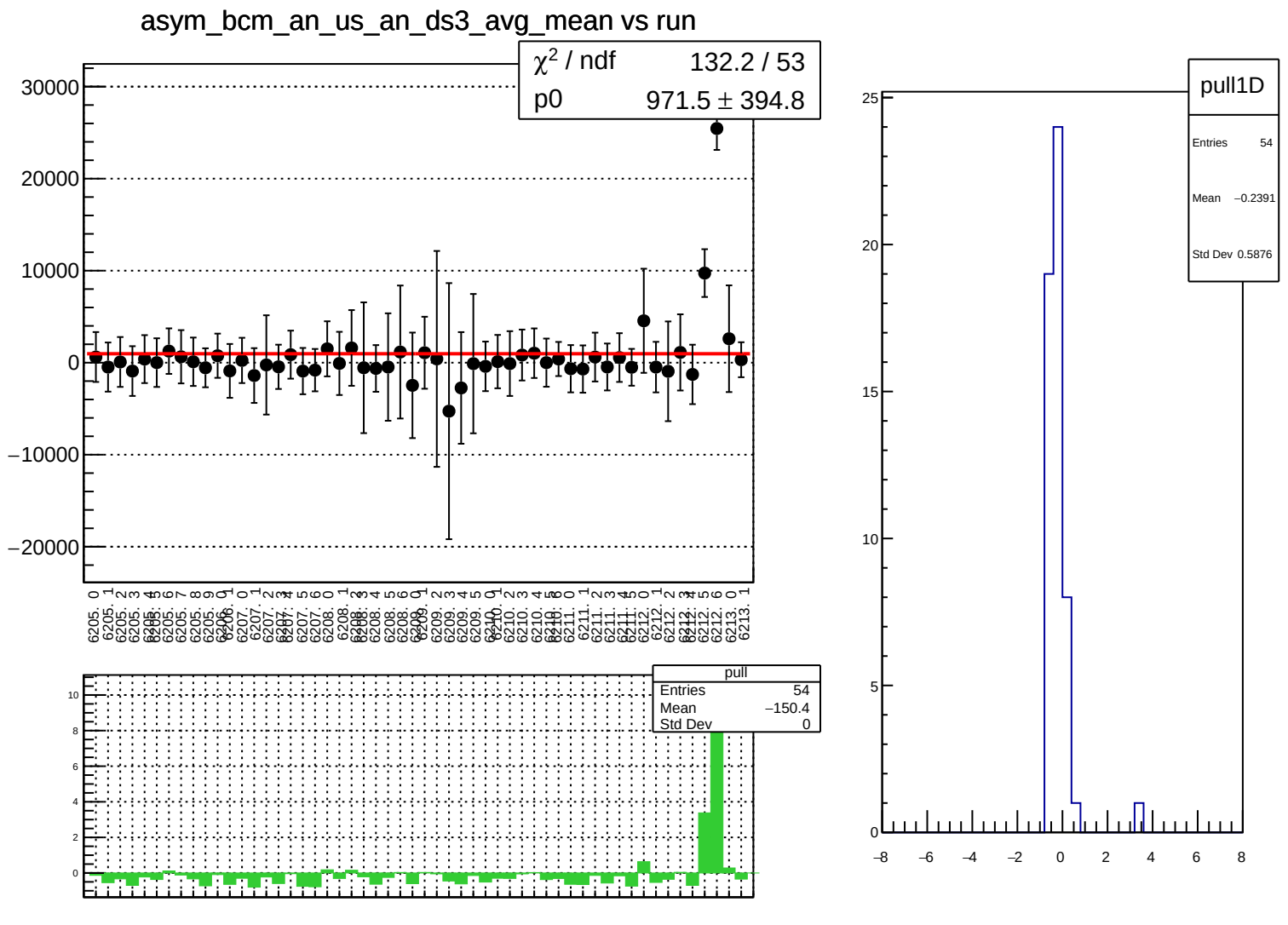

asym_bcm_an_us_an_ds_avg_mean vs run
χ² / ndf 131.7 / 53
p0 971.1 ± 394.5
30000
20000
10000
0
−10000
−20000
pull
Entries 54
Mean −151.2
Std Dev 0
pull1D
Entries 54
Mean −0.2388
Std Dev 0.5897
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

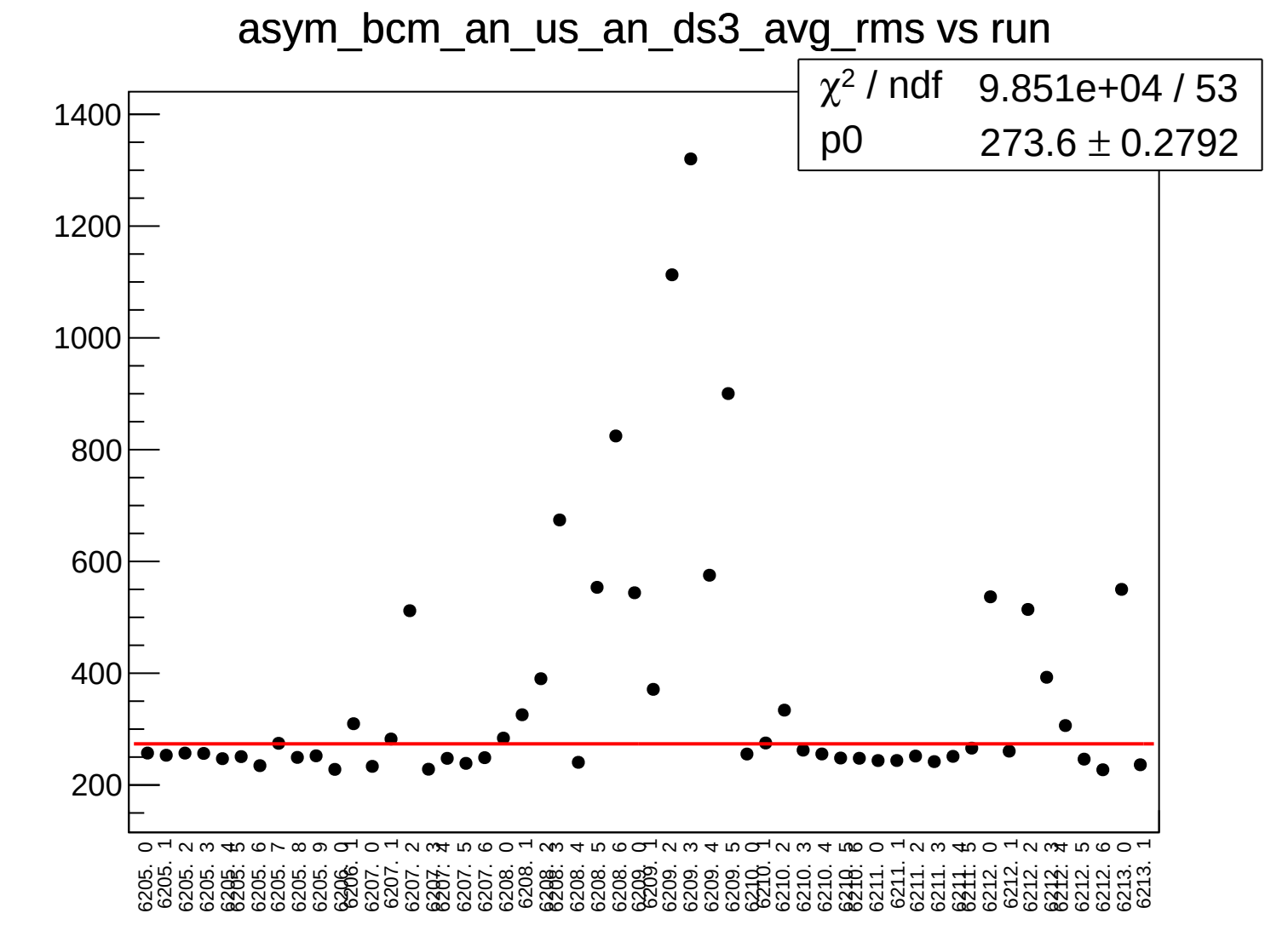

asym_bcm_an_us_an_ds_avg_rms vs run
χ² / ndf 9.848e+04 / 53
p0 273.5 ± 0.279
1400
1200
1000
800
600
400
200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 1
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

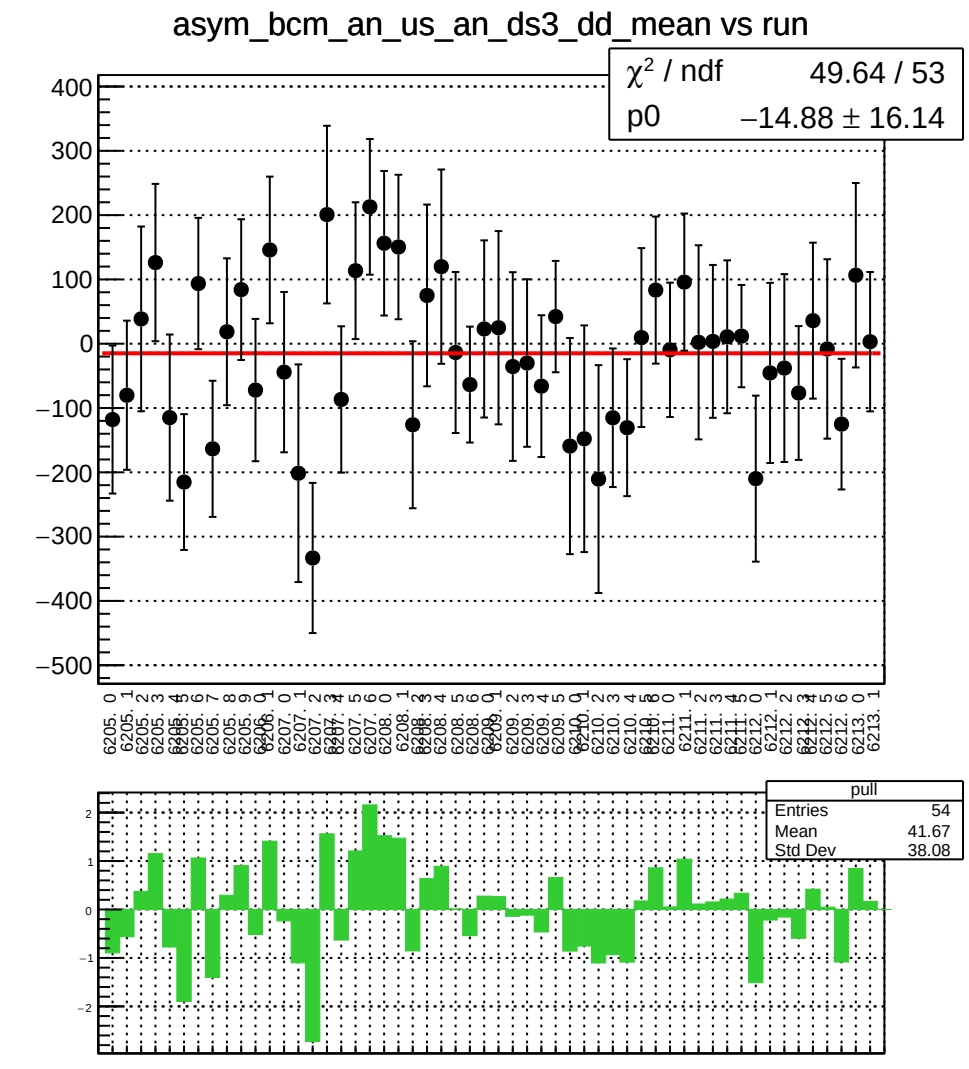

asym_bcm_an_us_an_ds_dd_mean vs run
χ² / ndf 46.4 / 53
p0 −10.5 ± 16.88
pull
Entries 54
Mean 78.41
Std Dev 0

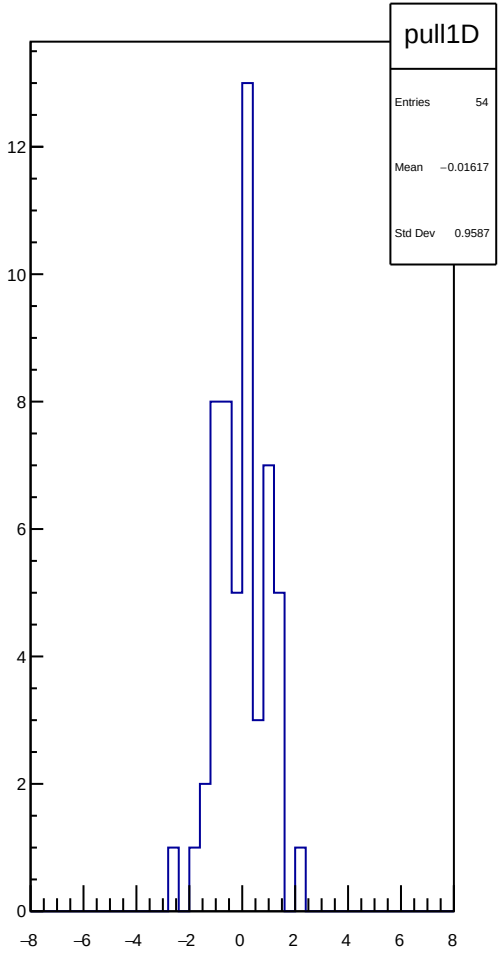

pull1D
Entries 54
Mean −0.02558
Std Dev 0.9266

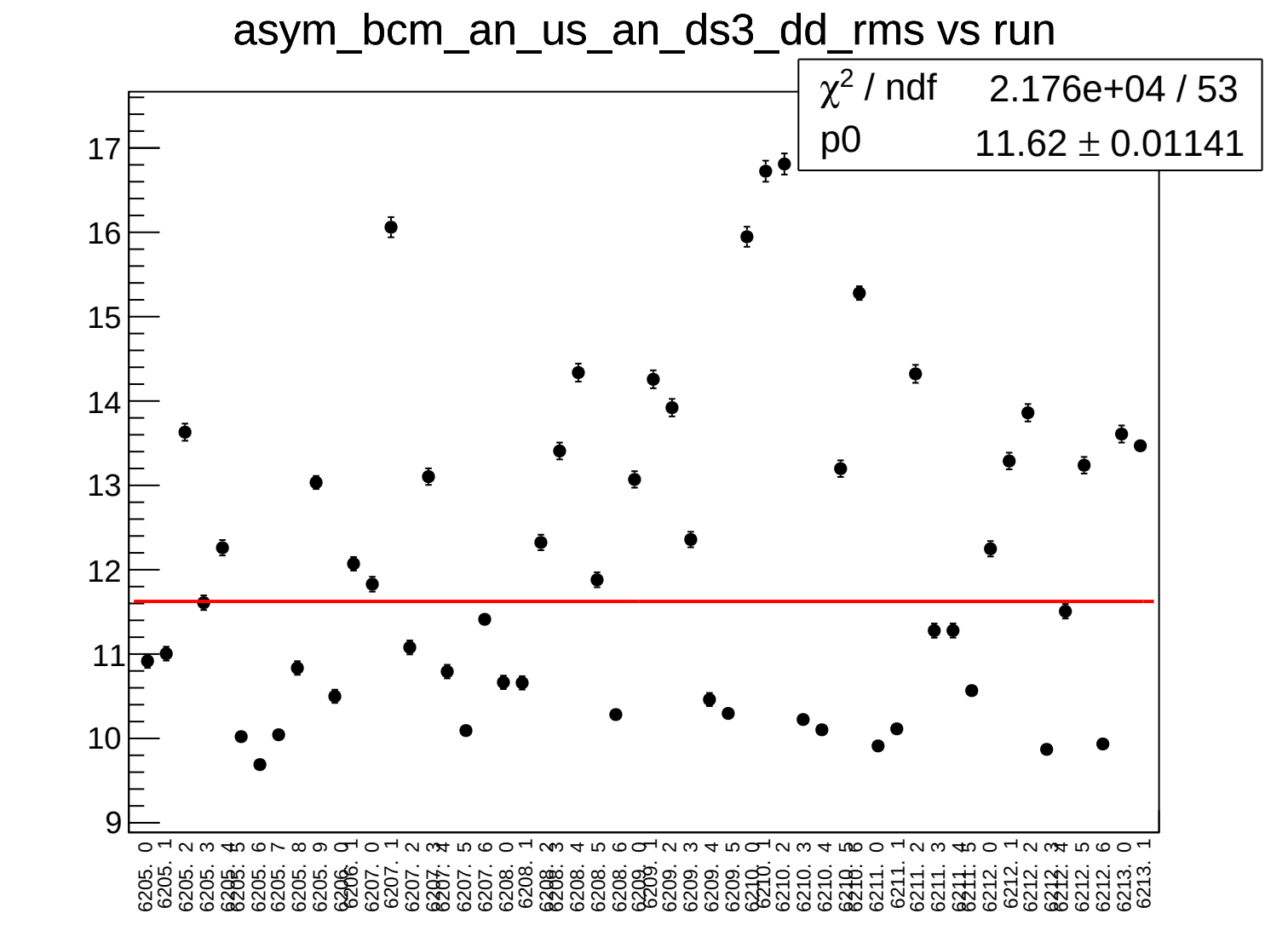

asym_bcm_an_us_an_ds_dd_rms vs run
χ² / ndf 1.916e+04 / 53
p0 12.17 ± 0.01193
18
17
16
15
14
13
12
11
10
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

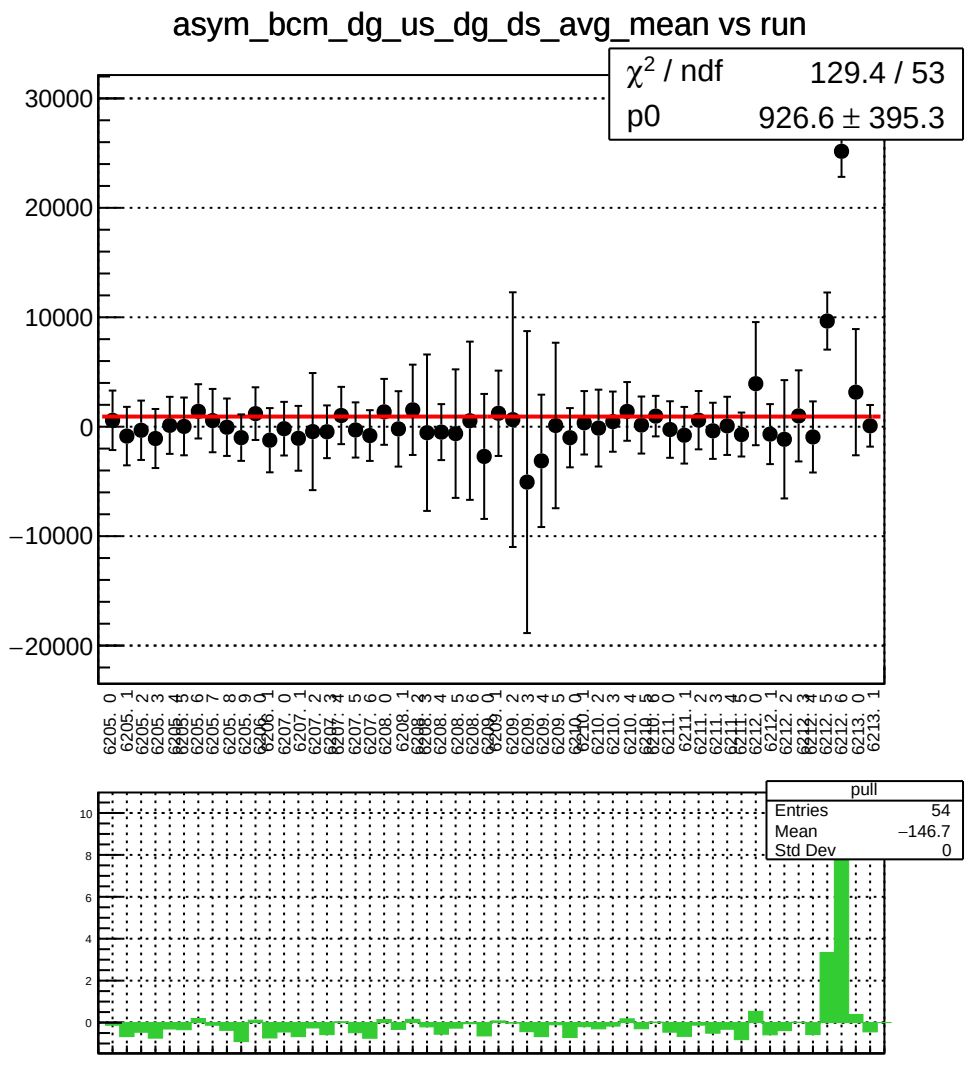

asym_bcm_an_us_an_ds3_avg_mean vs run
χ² / ndf 132.2 / 53
p0 971.5 ± 394.8
pull
Entries 54
Mean −150.4
Std Dev 0
pull1D
Entries 54
Mean −0.2391
Std Dev 0.5876

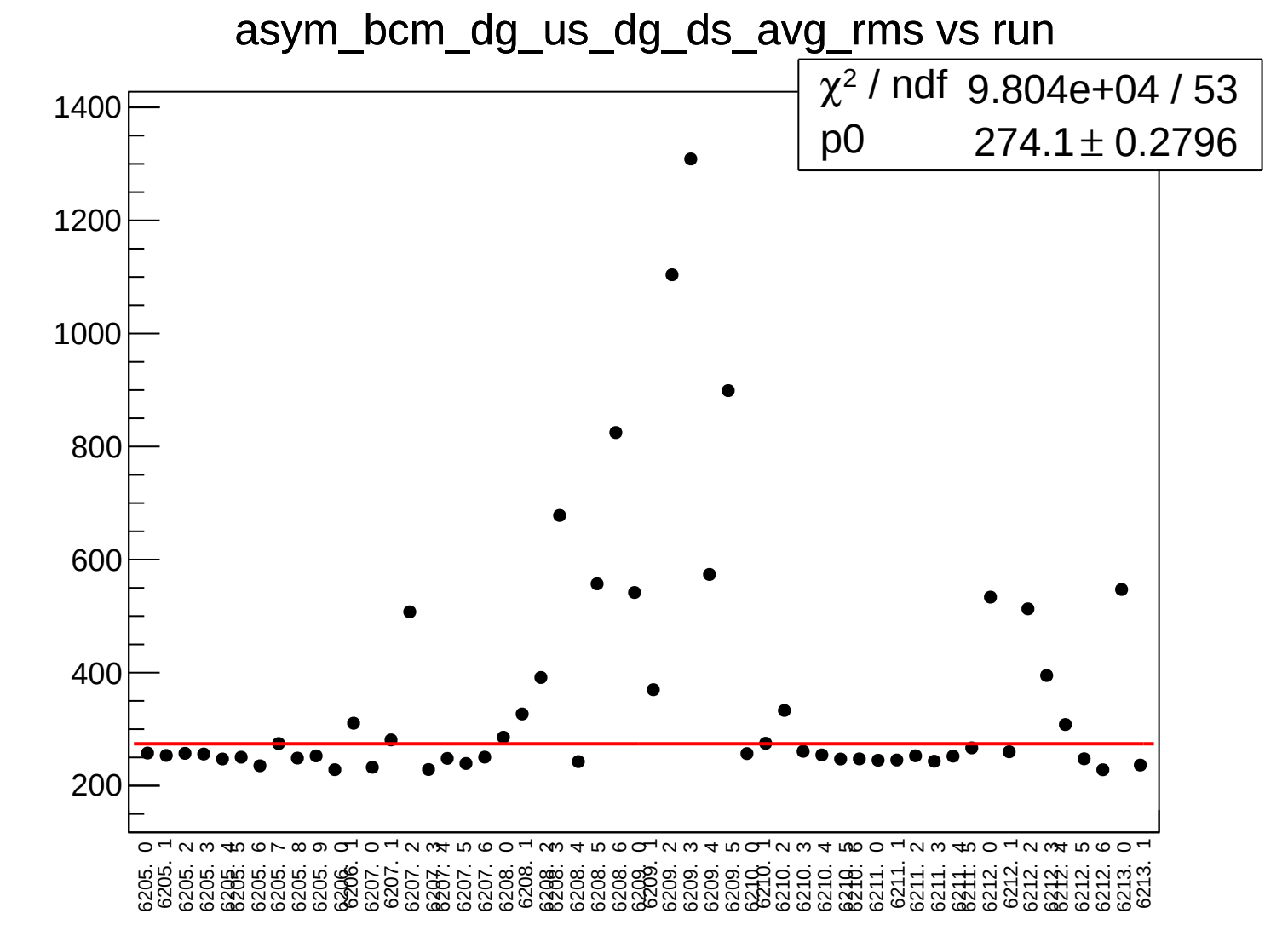

asym_bcm_an_us_an_ds3_avg_rms vs run
χ² / ndf 9.851e+04 / 53
p0 273.6 ± 0.2792
1400
1200
1000
800
600
400
200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

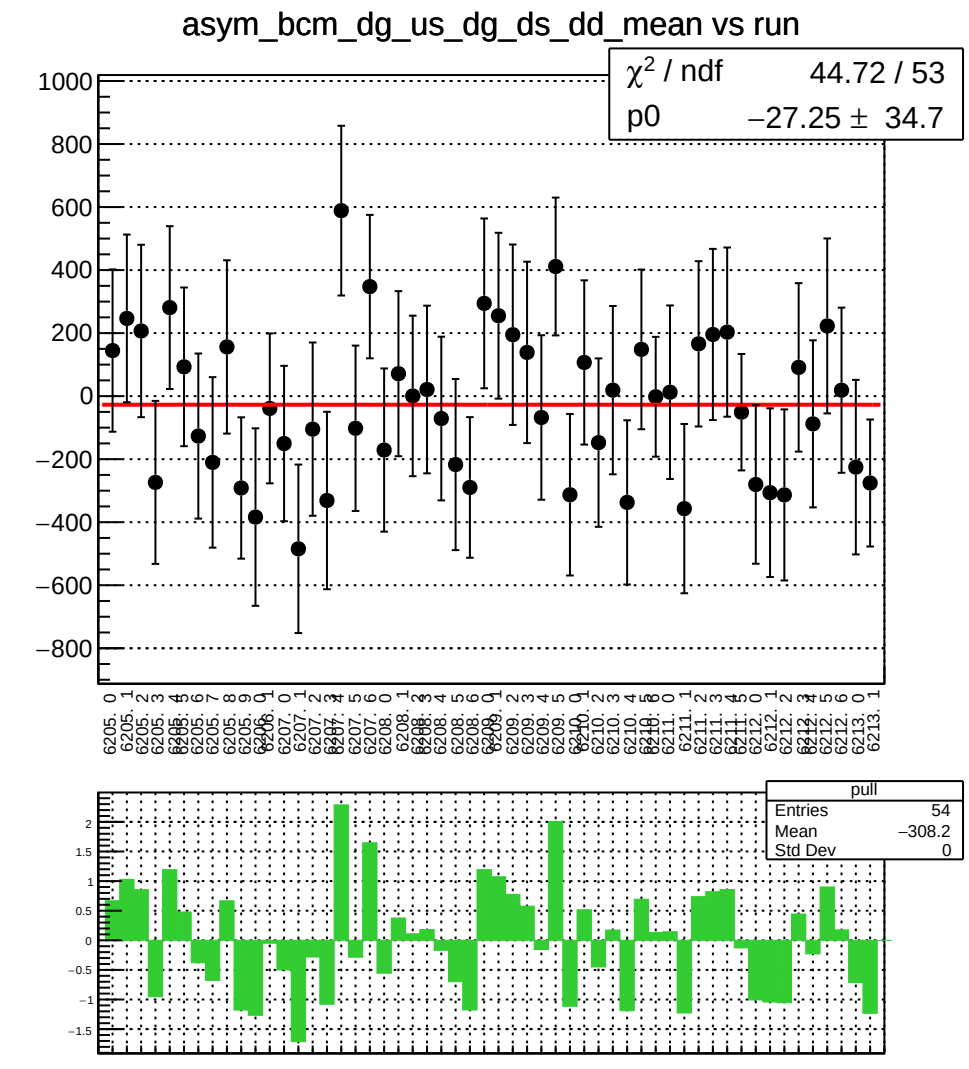

asym_bcm_an_us_an_ds3_dd_mean vs run
χ² / ndf 49.64 / 53
p0 −14.88 ± 16.14
pull
Entries 54
Mean 41.67
Std Dev 38.08

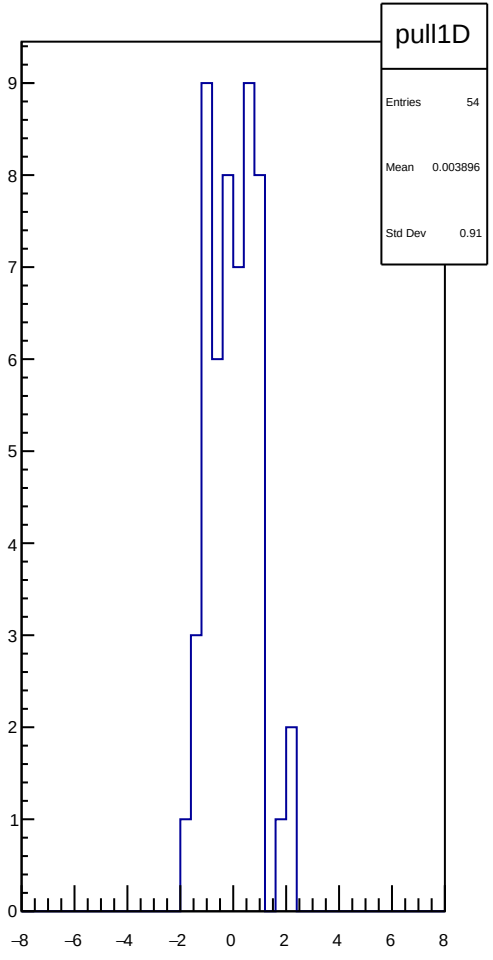

pull1D
Entries 54
Mean −0.01617
Std Dev 0.9587

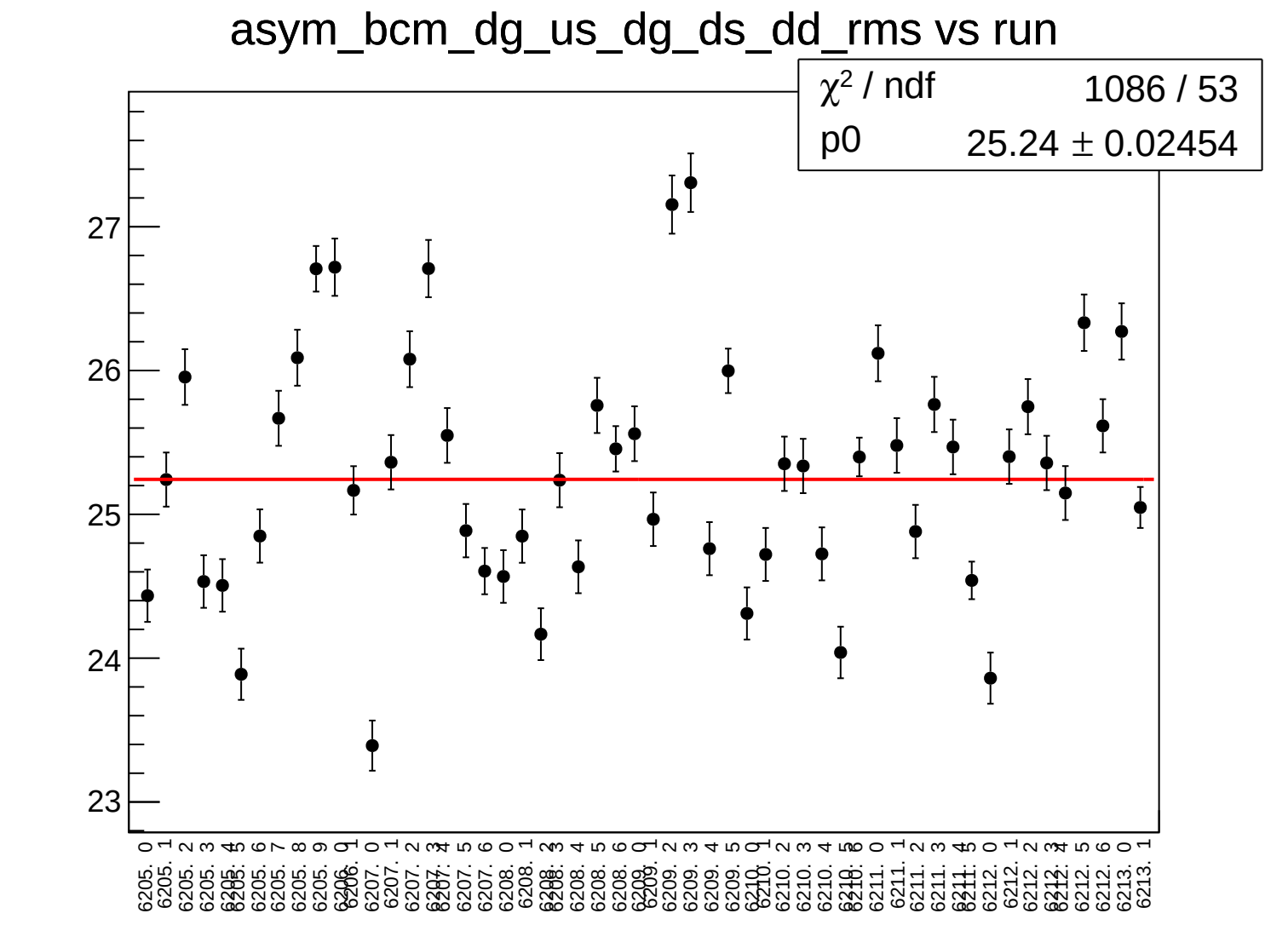

asym_bcm_an_us_an_ds3_dd_rms vs run
χ² / ndf 2.176e+04 / 53
p0 11.62 ± 0.01141
17
16
15
14
13
12
11
10
9
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

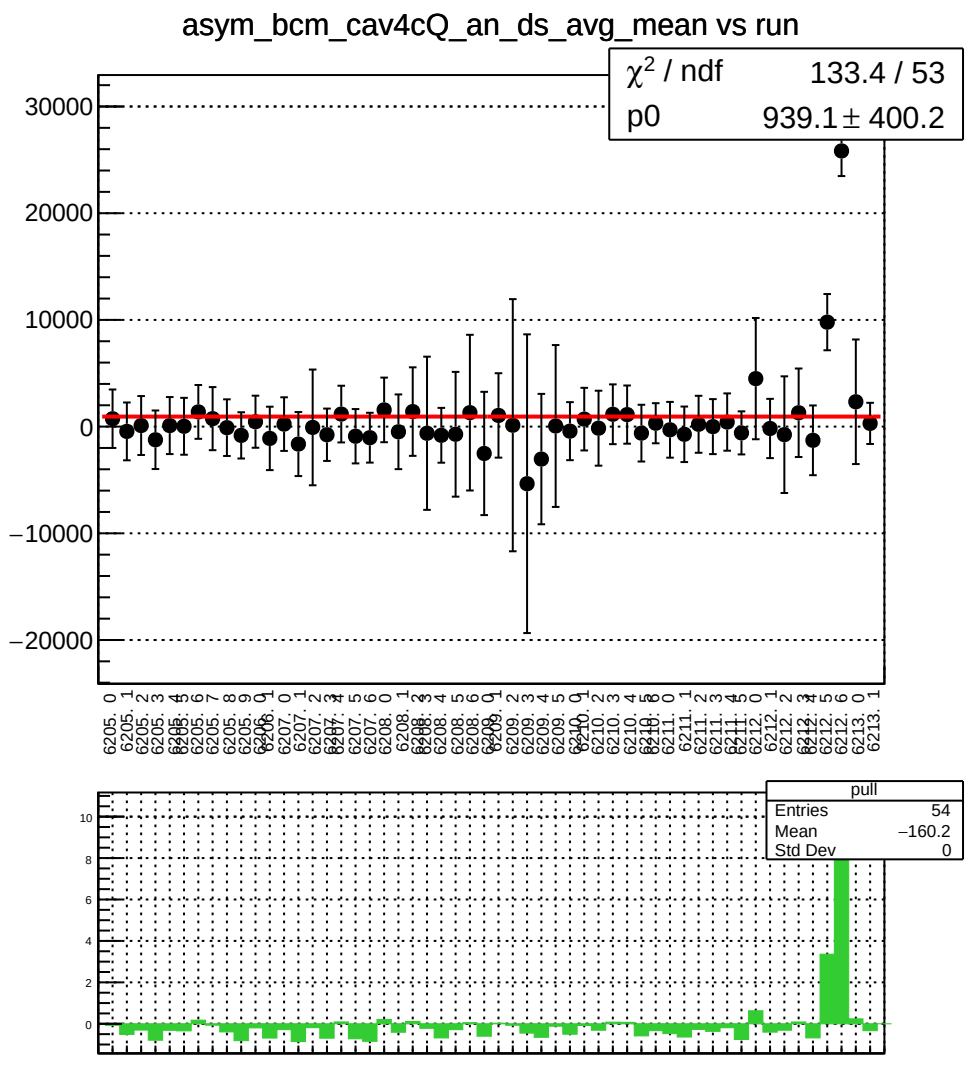

asym_bcm_dg_us_dg_ds_avg_mean vs run
χ² / ndf 129.4 / 53
p0 926.6 ± 395.3
pull
Entries 54
Mean −146.7
Std Dev 0
pull1D
Entries 54
Mean −0.2378
Std Dev 0.5923

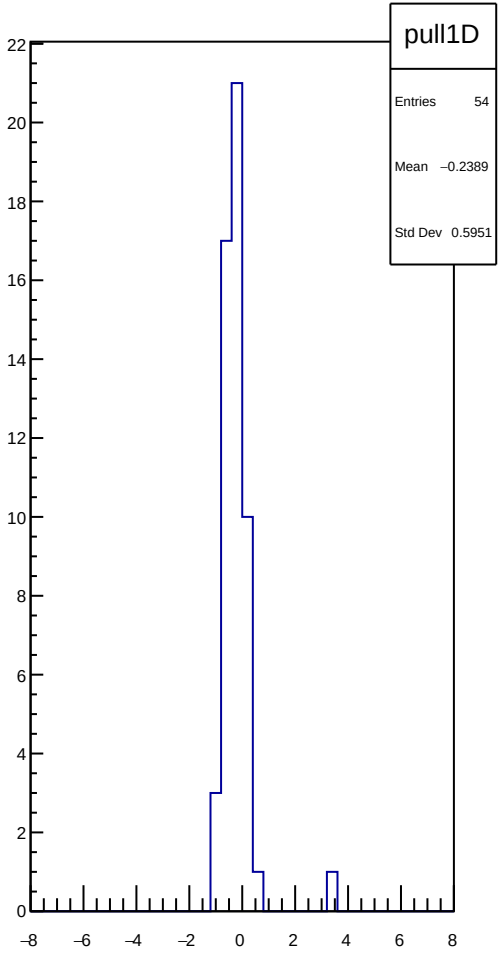

asym_bcm_dg_us_dg_ds_avg_rms vs run
χ² / ndf 9.804e+04 / 53
p0 274.1 ± 0.2796
1400
1200
1000
800
600
400
200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 0
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

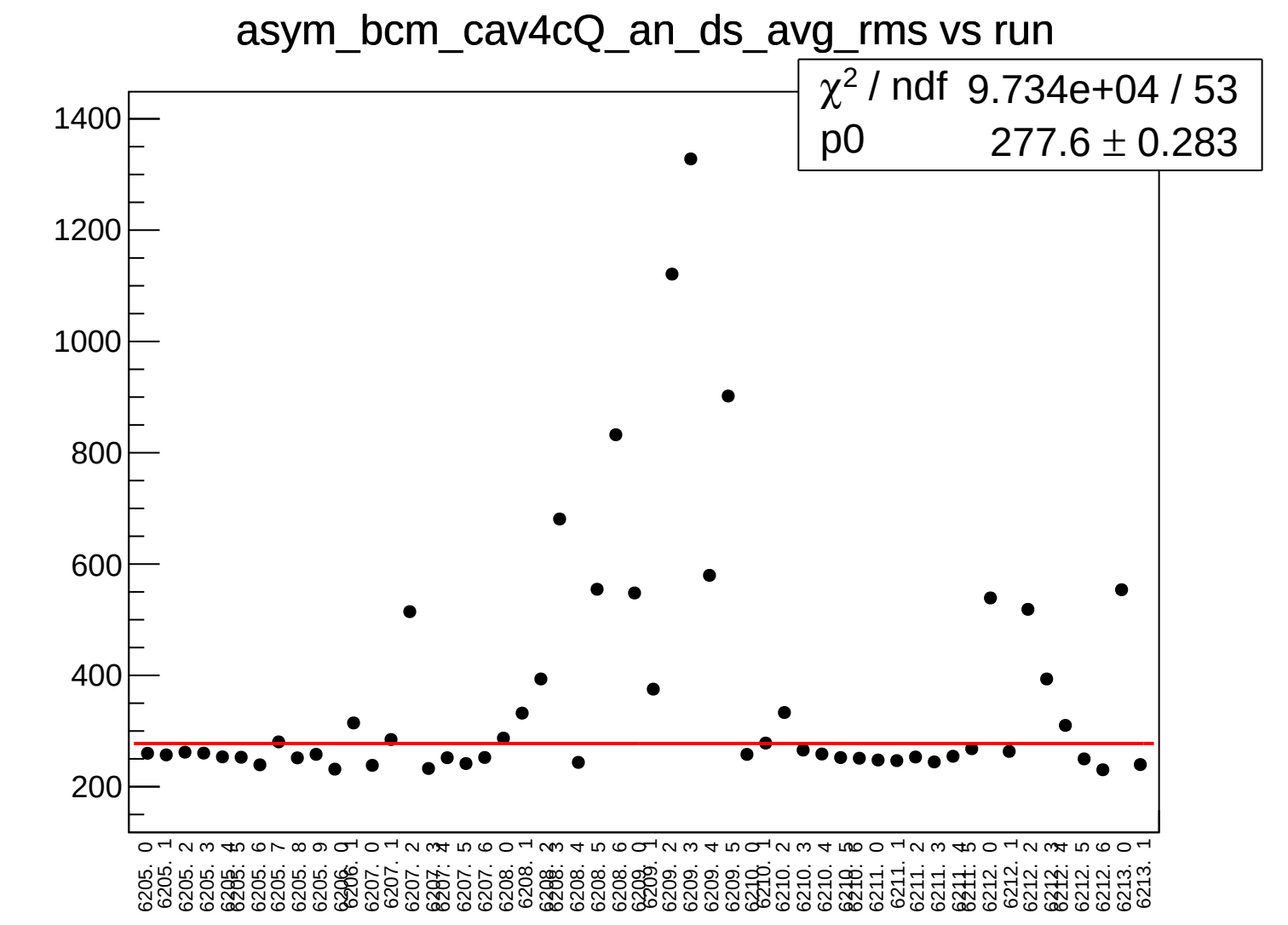

asym_bcm_dg_us_dg_ds_dd_mean vs run
χ² / ndf 44.72 / 53
p0 −27.25 ± 34.7
pull
Entries 54
Mean −308.2
Std Dev 0

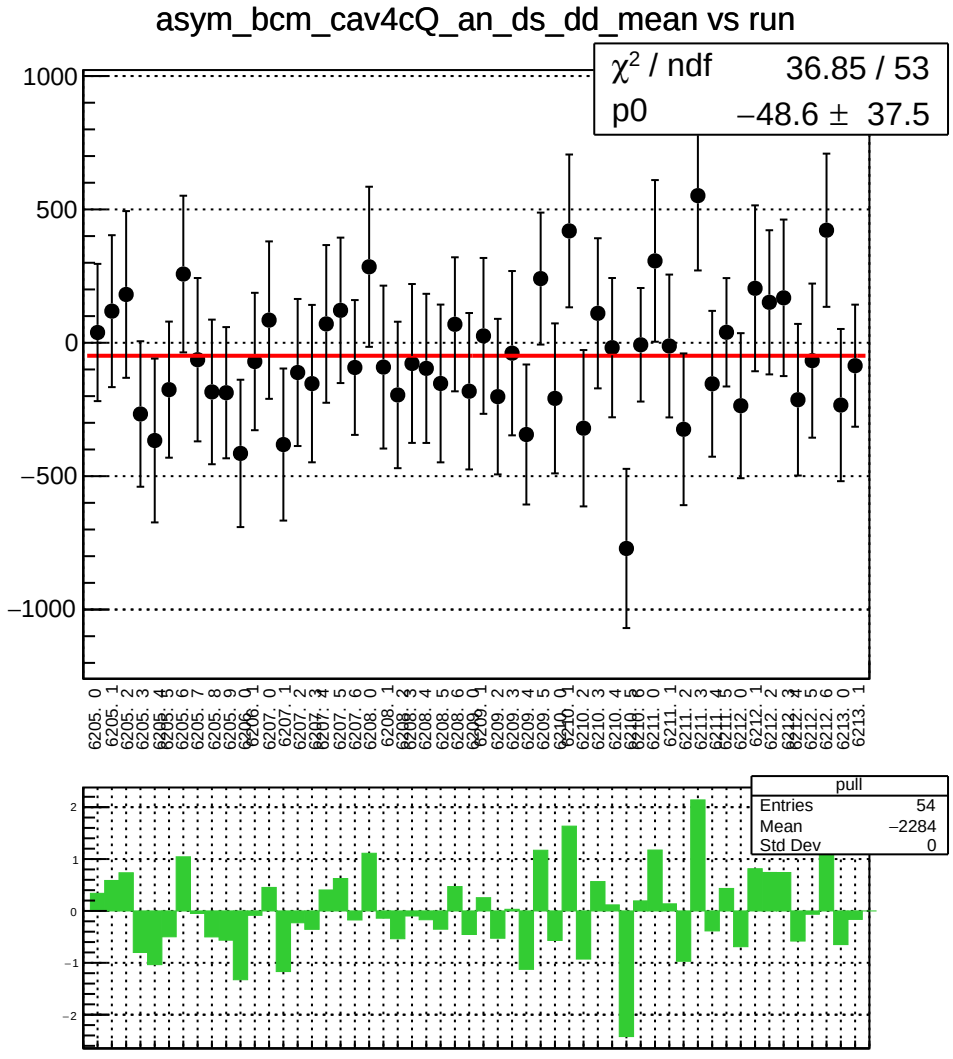

pull1D
Entries 54
Mean 0.003896
Std Dev 0.91

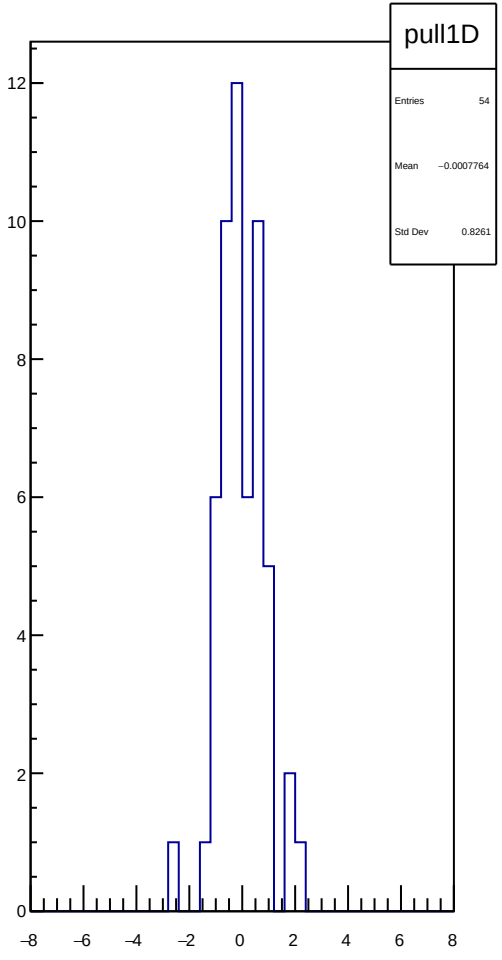

asym_bcm_dg_us_dg_ds_dd_rms vs run
χ² / ndf 1086 / 53
p0 25.24 ± 0.02454
27
26
25
24
23
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

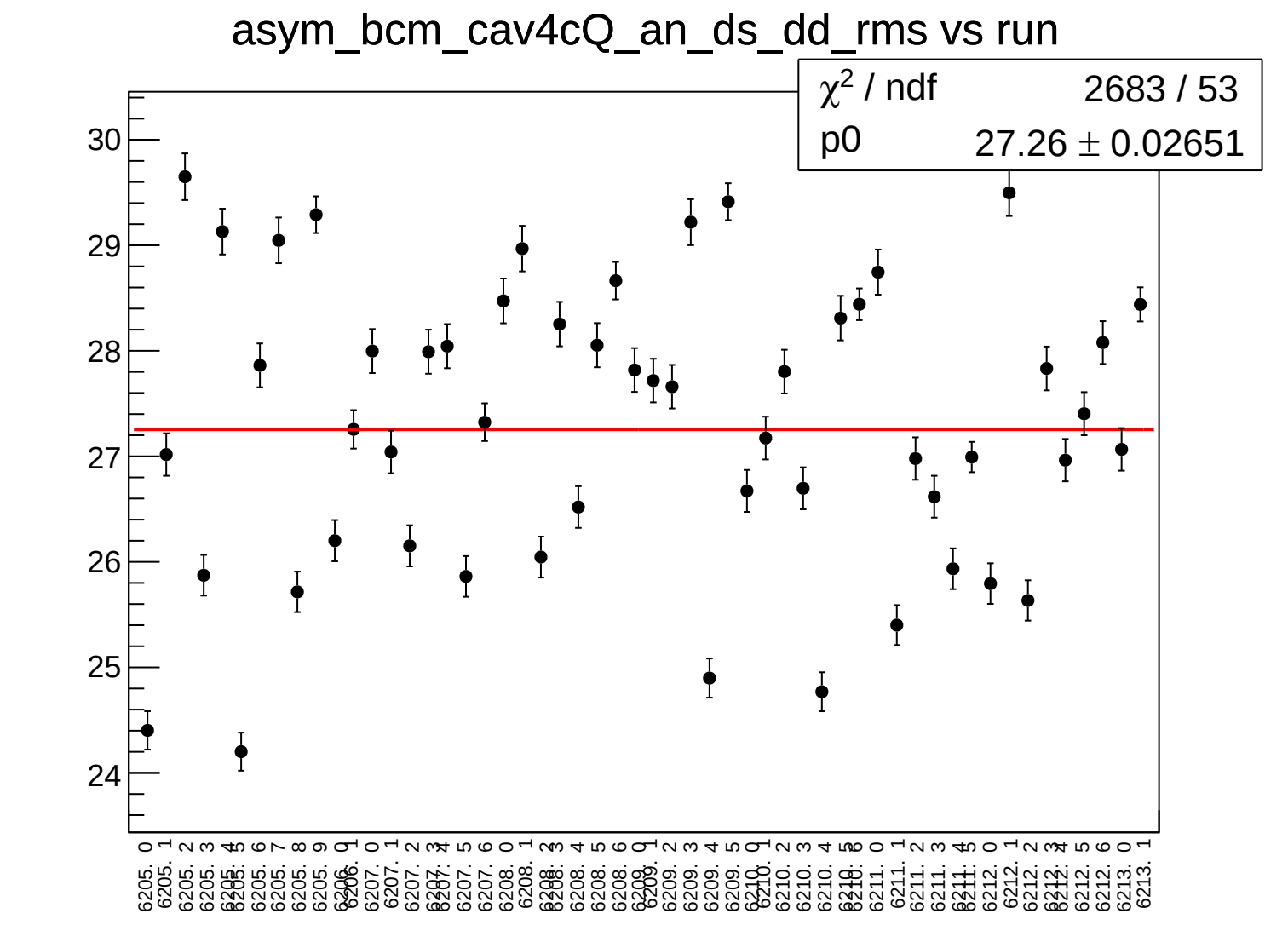

asym_bcm_cav4cQ_an_ds_avg_mean vs run
χ² / ndf 133.4 / 53
p0 939.1 ± 400.2
30000
20000
10000
0
−10000
−20000
pull
Entries 54
Mean −160.2
Std Dev 0
10
8
6
4
2
0

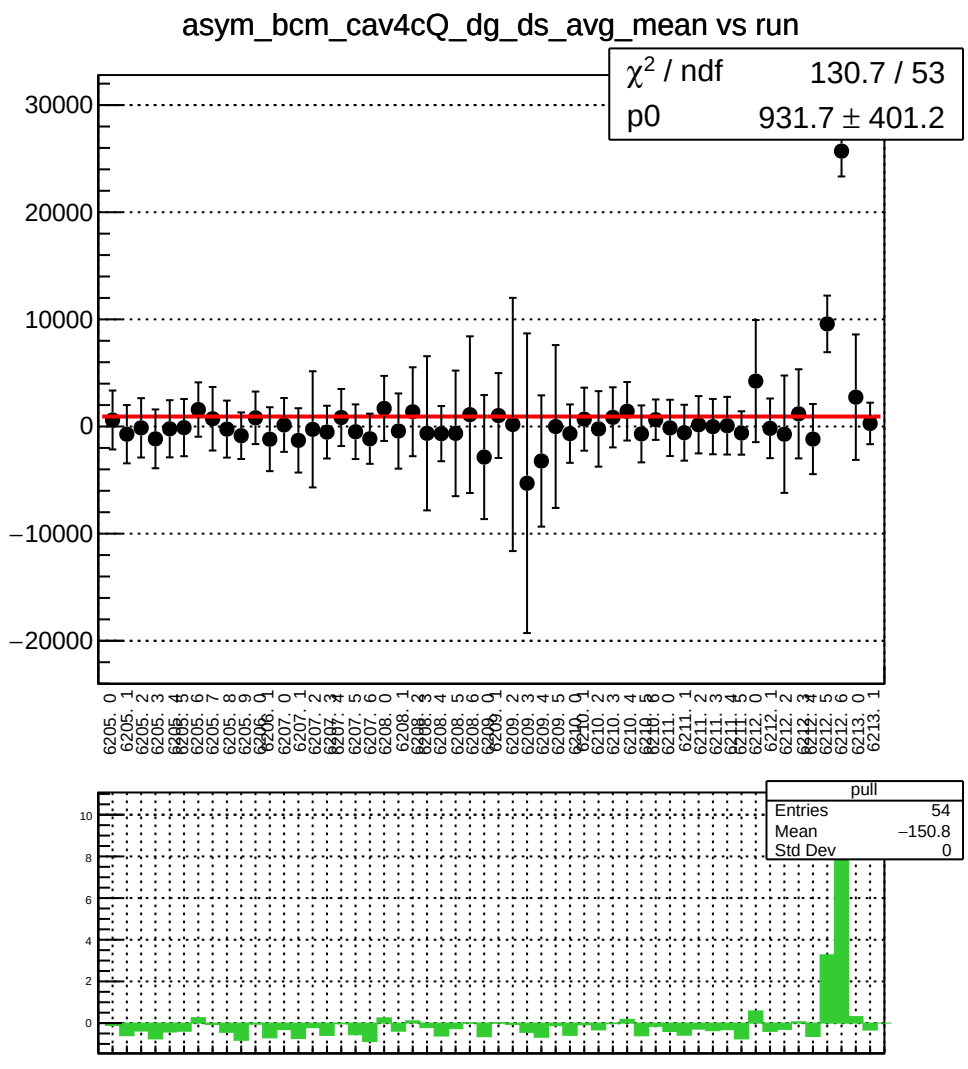

pull1D
Entries 54
Mean −0.2389
Std Dev 0.5951
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

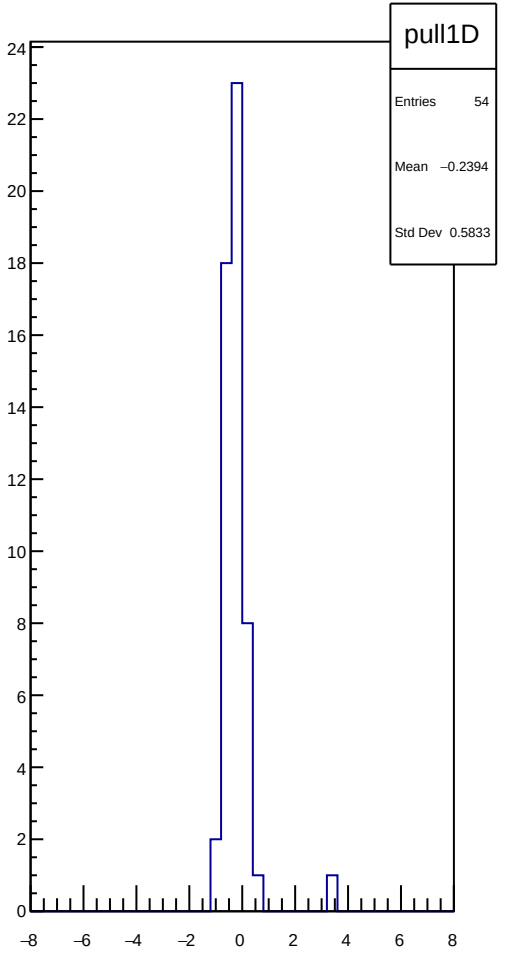

asym_bcm_cav4cQ_an_ds_avg_rms vs run
χ^2 / ndf 9.734e+04 / 53
p0 277.6 ± 0.283
1400
1200
1000
800
600
400
200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

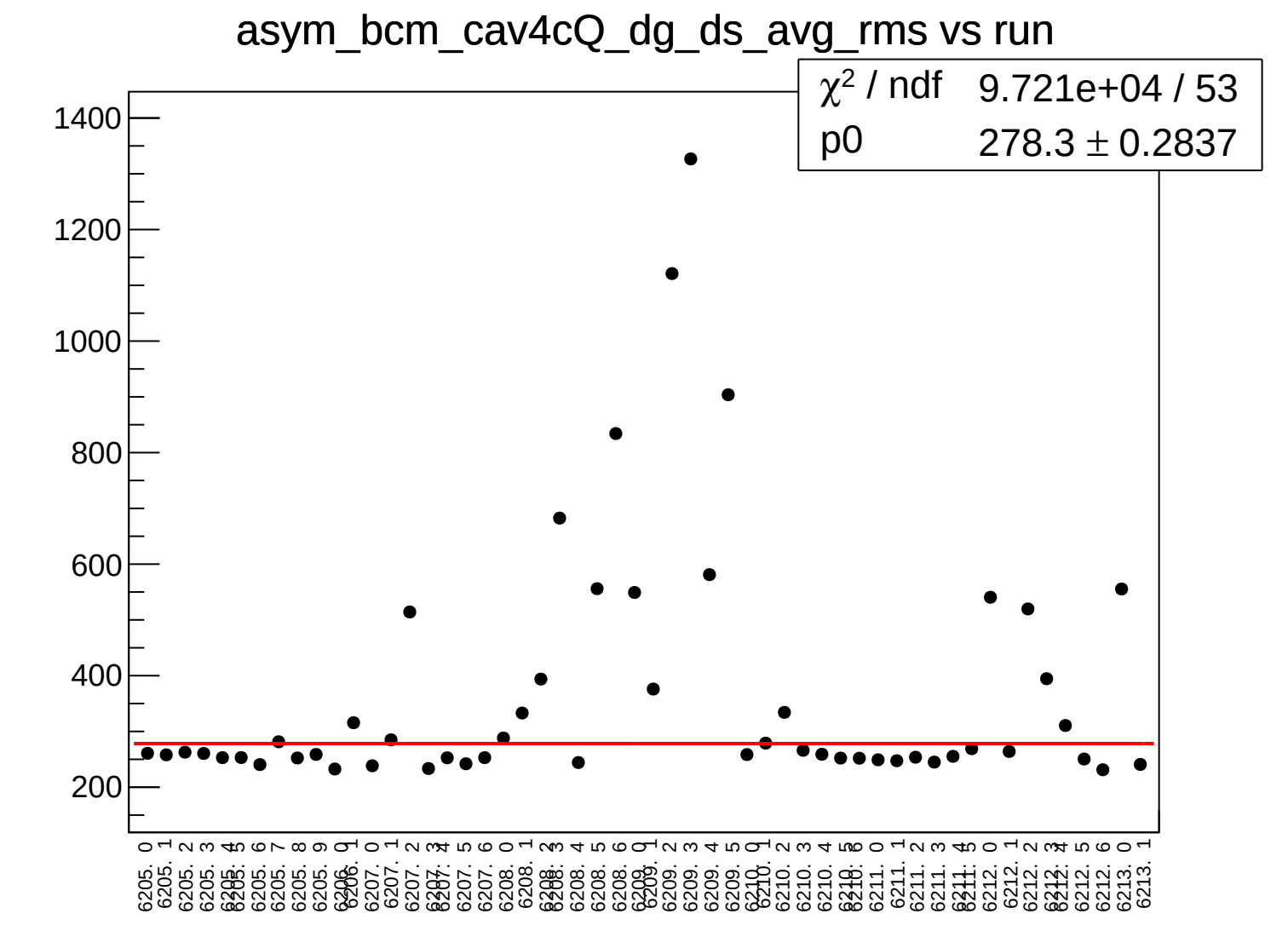

asym_bcm_cav4cQ_an_ds_dd_mean vs run
χ² / ndf 36.85 / 53
p0 −48.6 ± 37.5
1000
500
0
−500
−1000
pull
Entries 54
Mean −2284
Std Dev 0
2
1
0
−1
−2

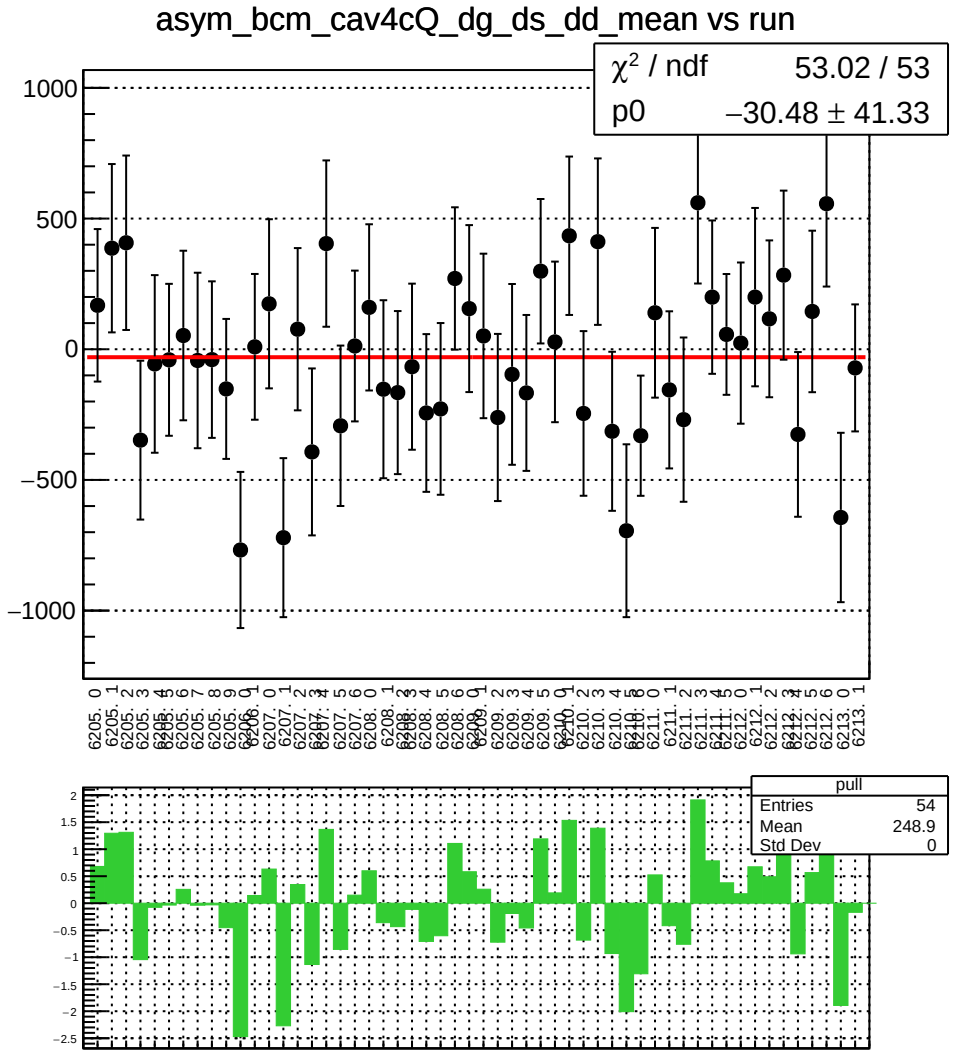

pull1D
Entries 54
Mean −0.0007764
Std Dev 0.8261
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

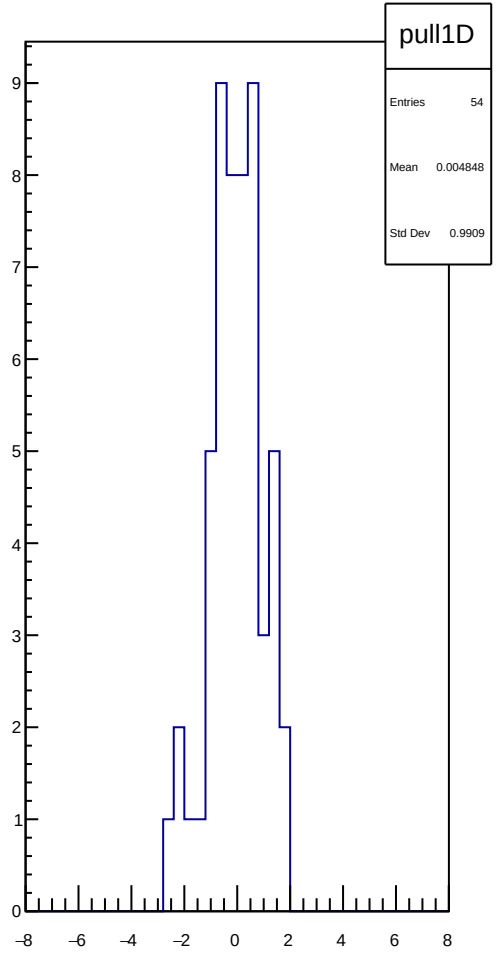

asym_bcm_cav4cQ_an_ds_dd_rms vs run
χ² / ndf 2683 / 53
p0 27.26 ± 0.02651
30
29
28
27
26
25
24
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

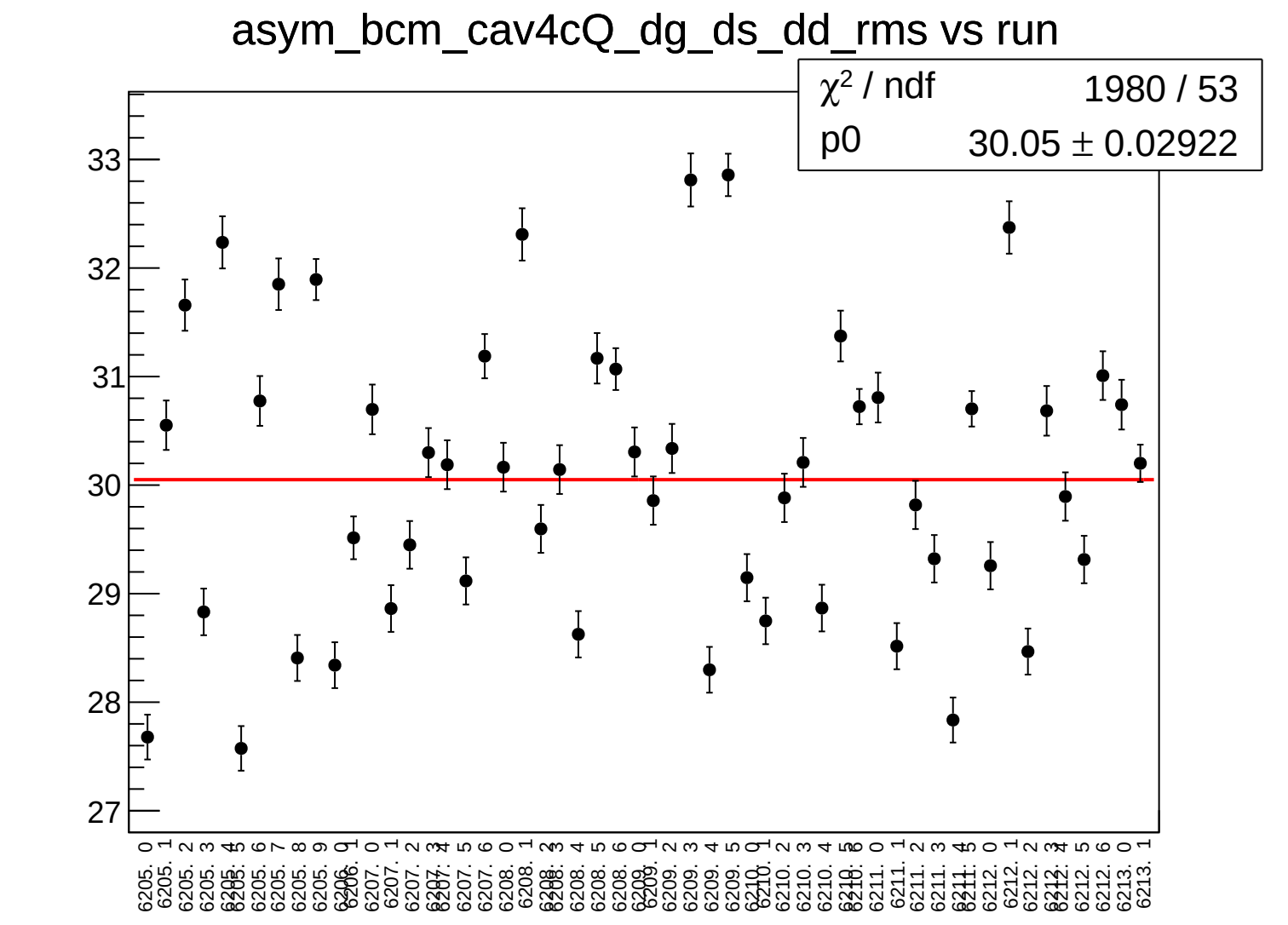

asym_bcm_cav4cQ_dg_ds_avg_mean vs run
χ² / ndf 130.7 / 53
p0 931.7 ± 401.2
30000
20000
10000
0
−10000
−20000
pull
Entries 54
Mean −150.8
Std Dev 0


pull1D
Entries 54
Mean −0.2394
Std Dev 0.5833


asym_bcm_cav4cQ_dg_ds_avg_rms vs run
χ² / ndf 9.721e+04 / 53
p0 278.3 ± 0.2837
1400
1200
1000
800
600
400
200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_bcm_cav4cQ_dg_ds_dd_mean vs run
χ² / ndf 53.02 / 53
p0 −30.48 ± 41.33
pull
Entries 54
Mean 248.9
Std Dev 0


pull1D
Entries 54
Mean 0.004848
Std Dev 0.9909


asym_bcm_cav4cQ_dg_ds_dd_rms vs run
χ² / ndf 1980 / 53
p0 30.05 ± 0.02922
33
32
31
30
29
28
27
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
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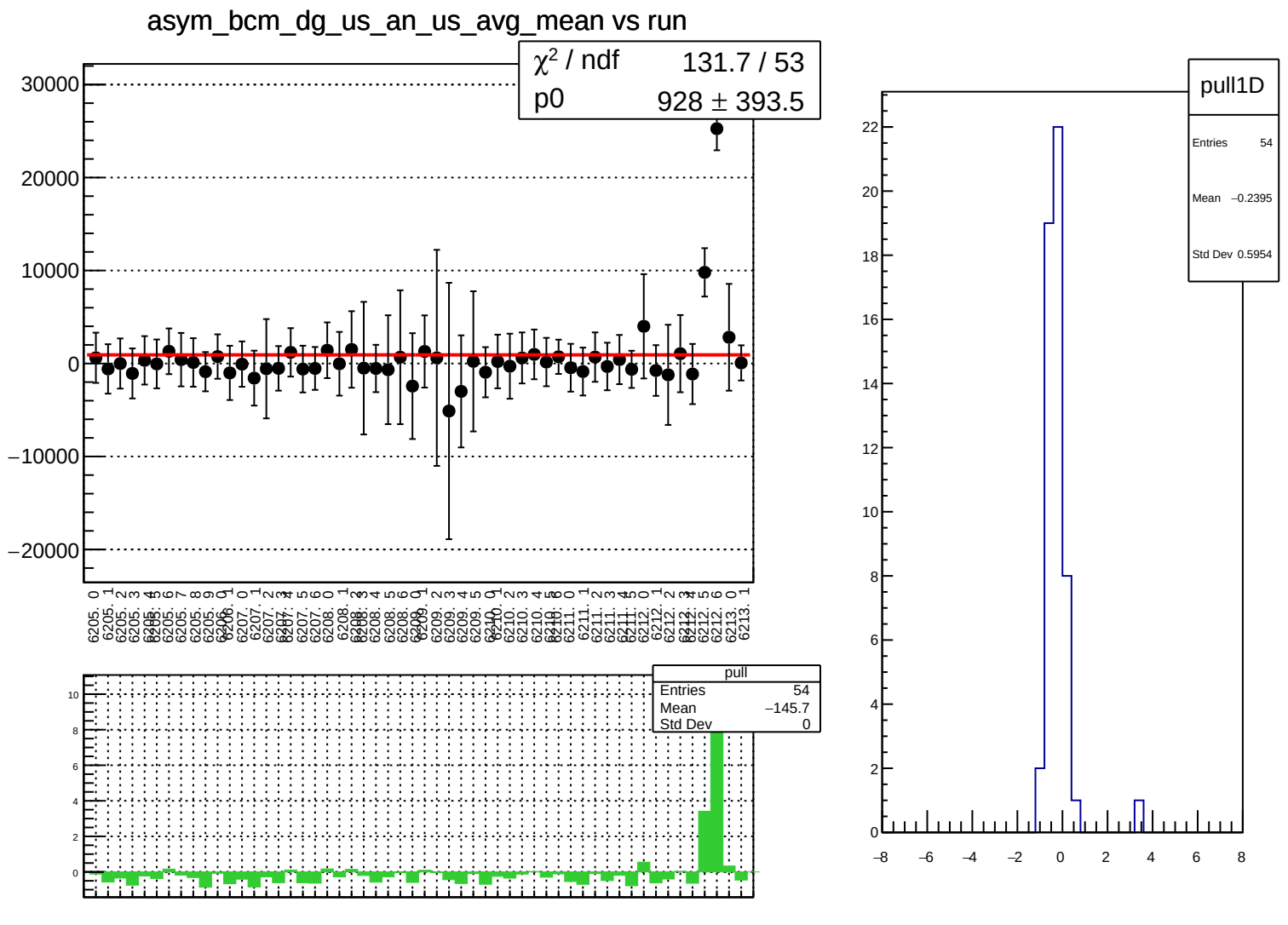
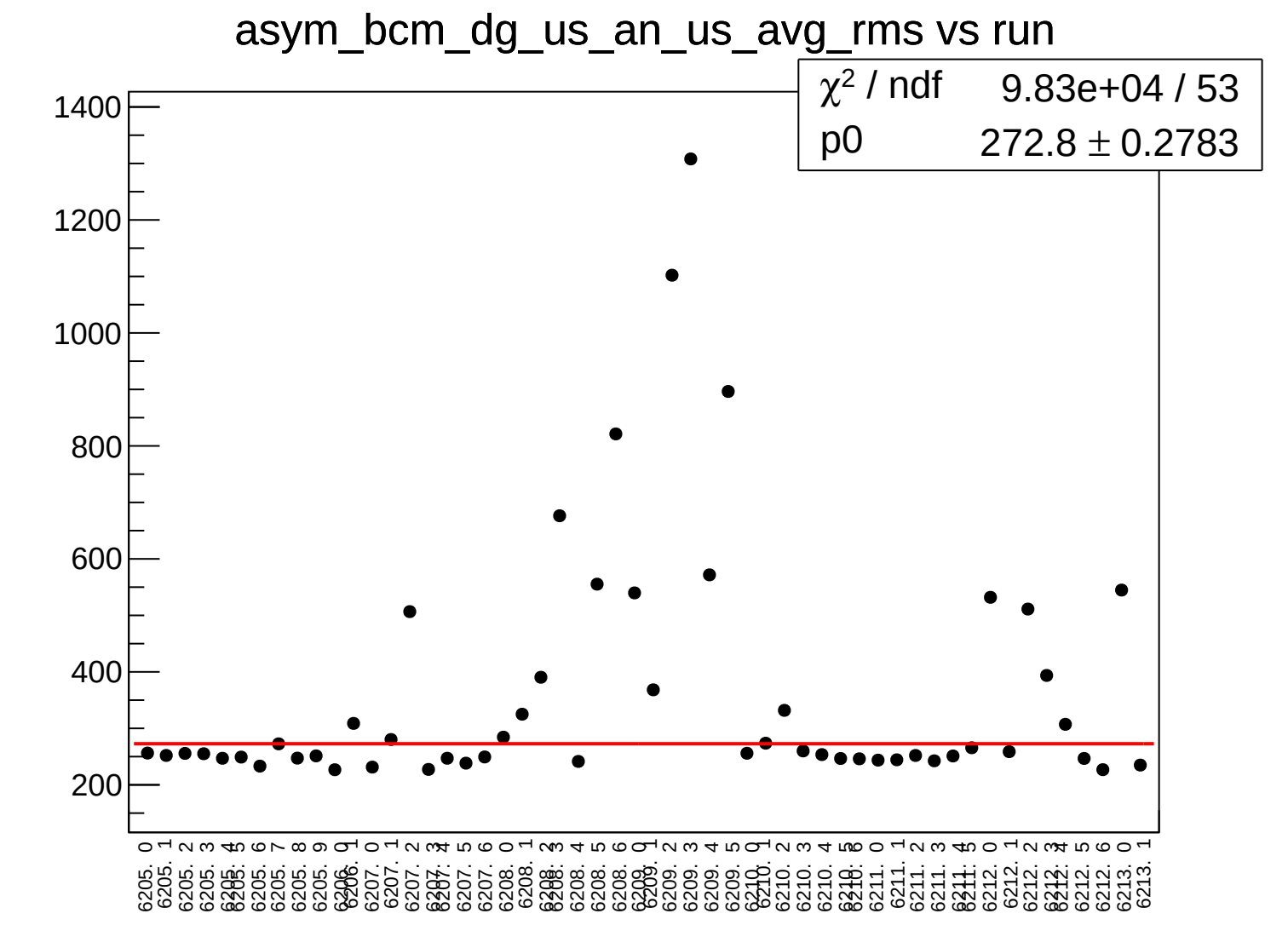
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_bcm_dg_us_an_us_avg_mean vs run
χ² / ndf 131.7 / 53
p0 928 ± 393.5
pull
Entries 54
Mean −145.7
Std Dev 0
pull1D
Entries 54
Mean −0.2395
Std Dev 0.5954


asym_bcm_dg_us_an_us_avg_rms vs run
χ² / ndf 9.83e+04 / 53
p0 272.8 ± 0.2783
1400
1200
1000
800
600
400
200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
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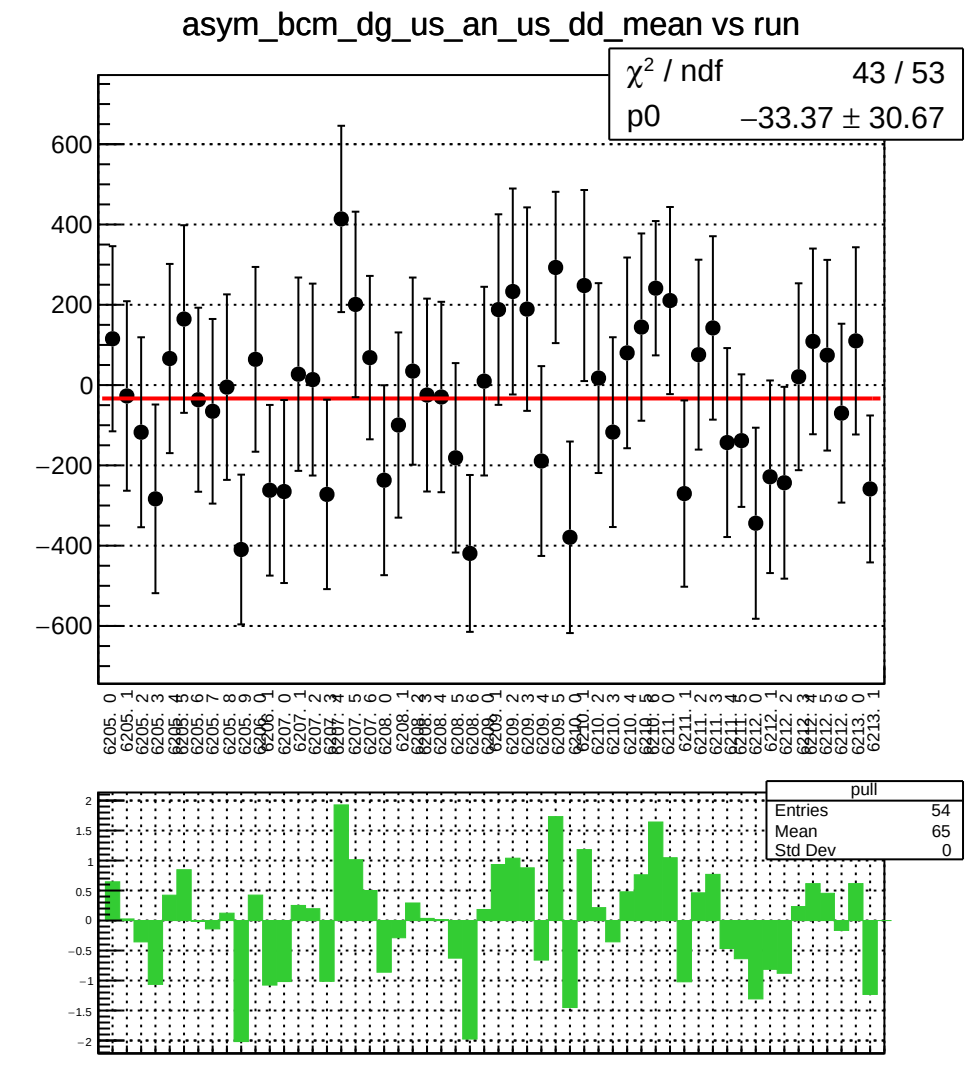
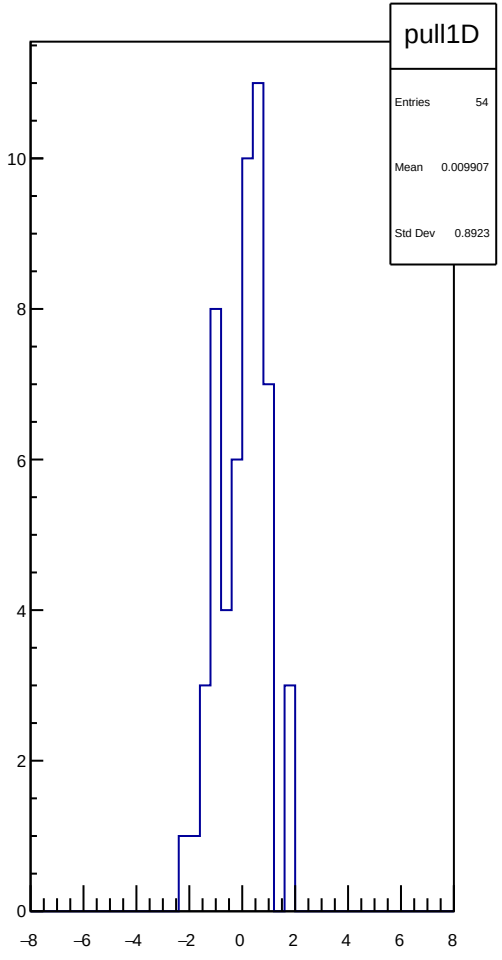
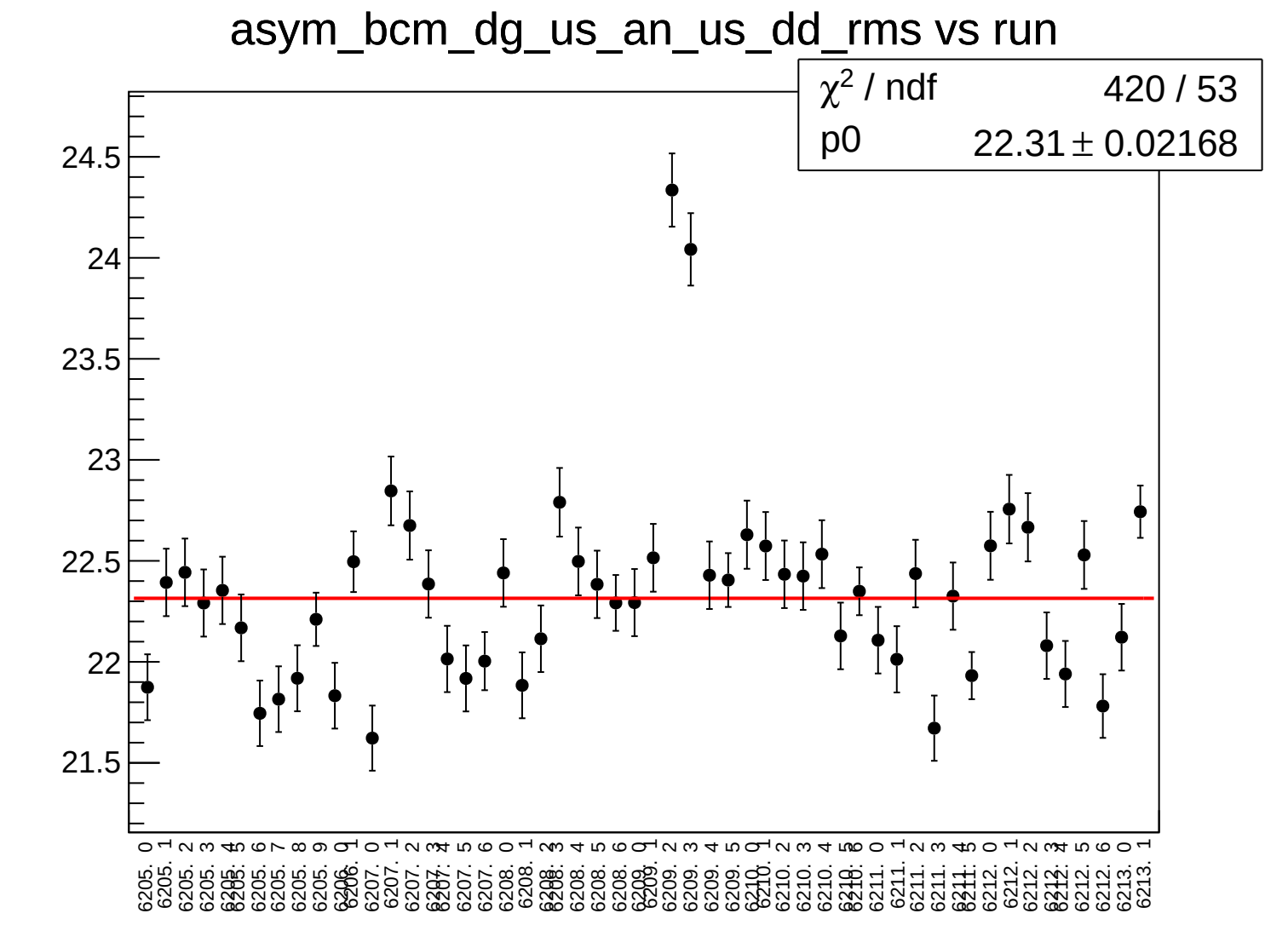
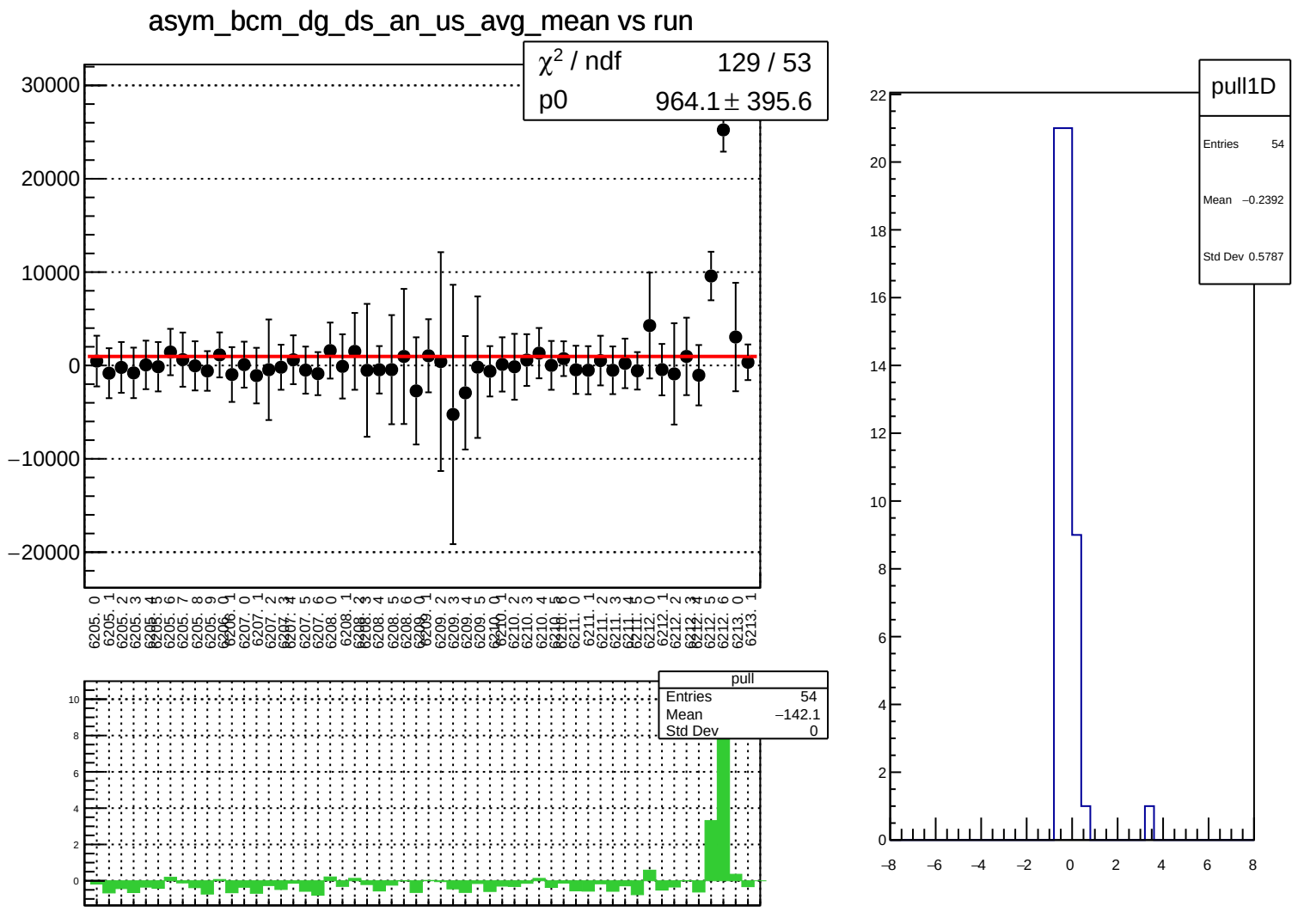
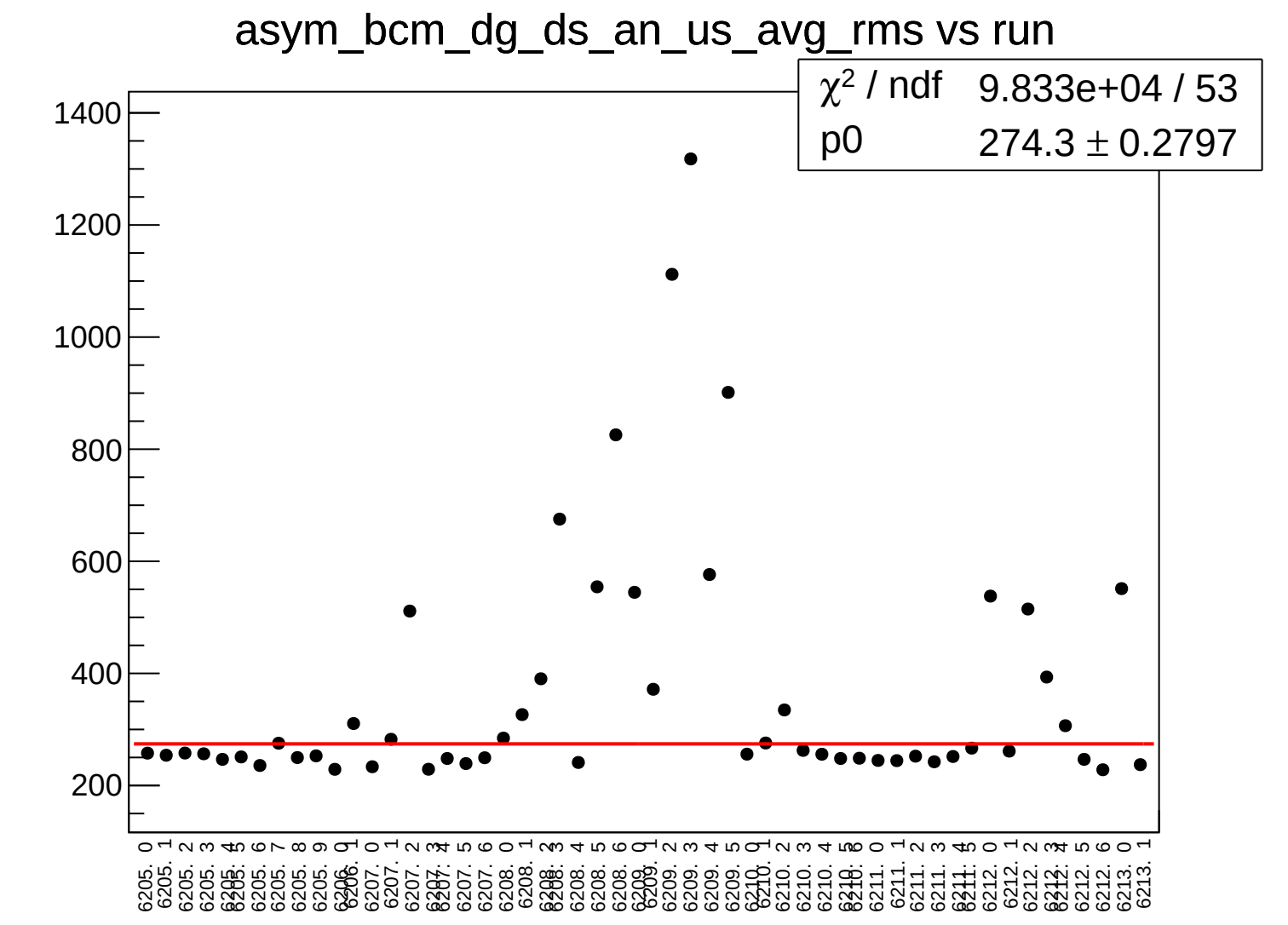
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

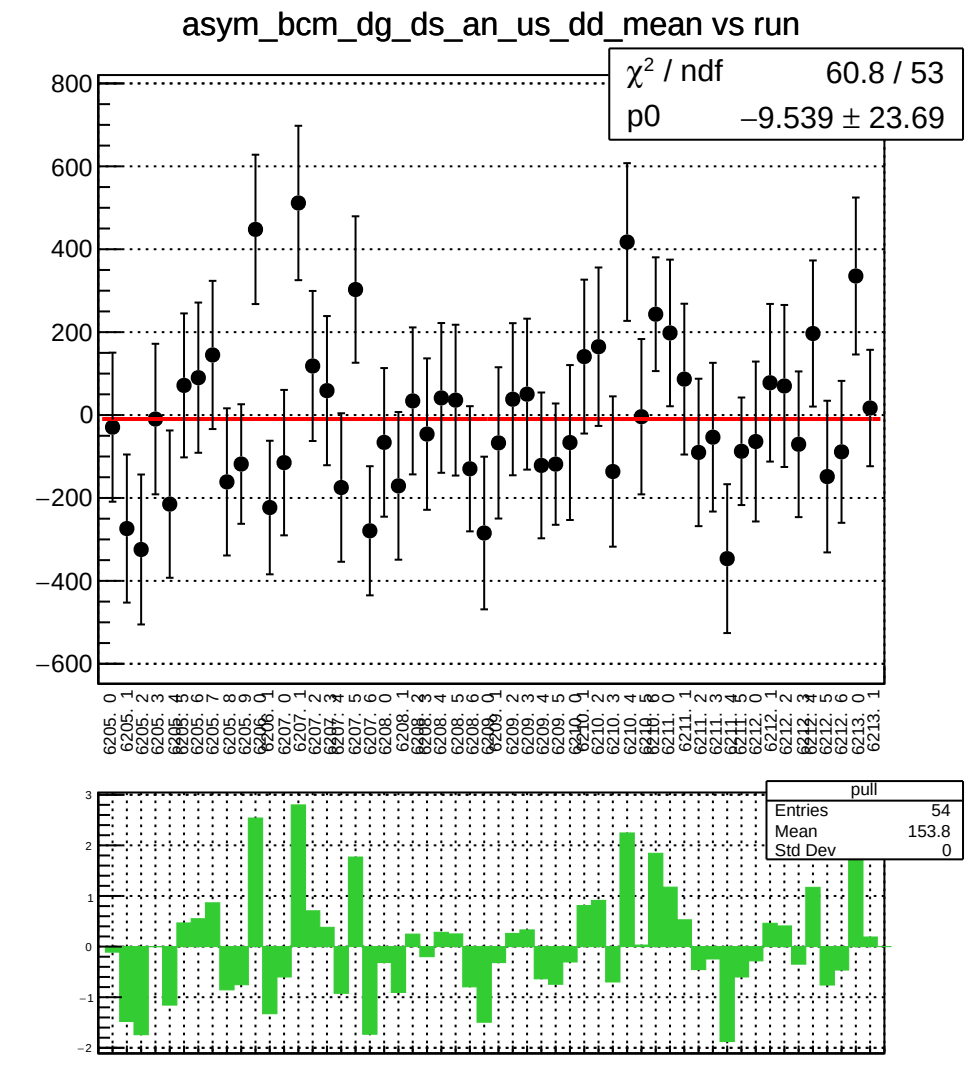

asym_bcm_dg_us_an_us_dd_mean vs run
χ² / ndf 43 / 53
p0 −33.37 ± 30.67
pull
Entries 54
Mean 65
Std Dev 0

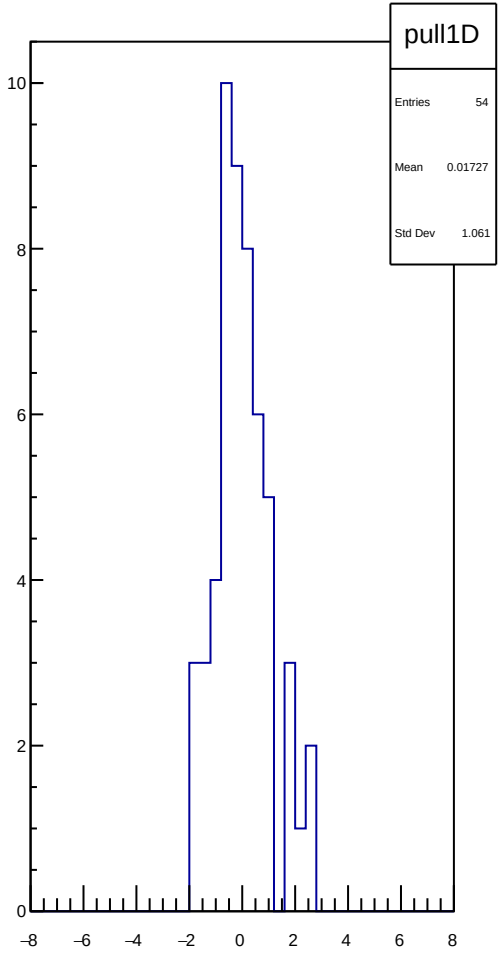

pull1D
Entries 54
Mean 0.009907
Std Dev 0.8923

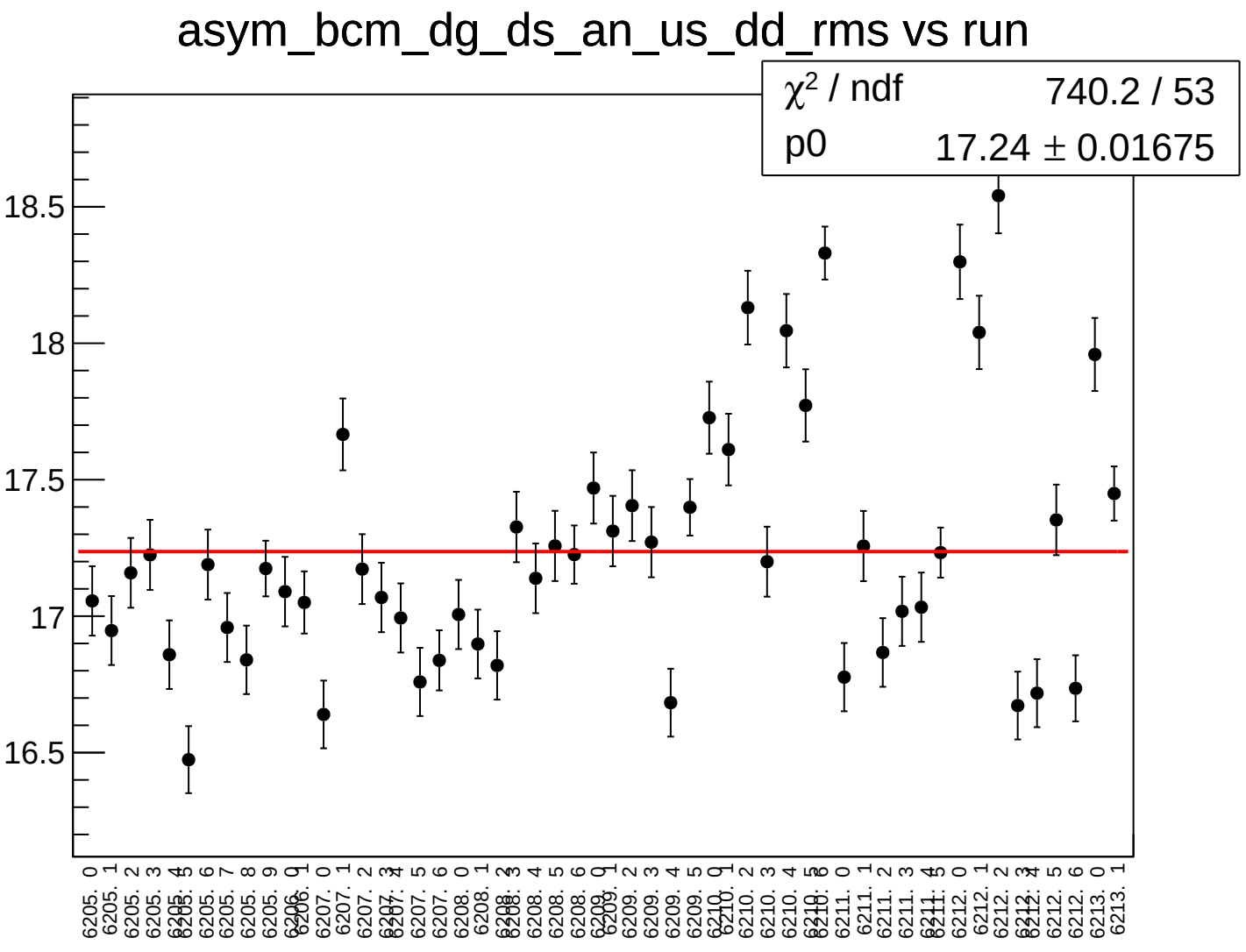

asym_bcm_dg_us_an_us_dd_rms vs run
χ² / ndf 420 / 53
p0 22.31 ± 0.02168
24.5
24
23.5
23
22.5
22
21.5
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 1
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1


asym_bcm_dg_ds_an_us_avg_mean vs run
χ² / ndf 129 / 53
p0 964.1 ± 395.6
pull
Entries 54
Mean −142.1
Std Dev 0
pull1D
Entries 54
Mean −0.2392
Std Dev 0.5787


asym_bcm_dg_ds_an_us_avg_rms vs run
χ² / ndf 9.833e+04 / 53
p0 274.3 ± 0.2797
1400
1200
1000
800
600
400
200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_bcm_dg_ds_an_us_dd_mean vs run
χ² / ndf 60.8 / 53
p0 −9.539 ± 23.69
pull
Entries 54
Mean 153.8
Std Dev 0


pull1D
Entries 54
Mean 0.01727
Std Dev 1.061


asym_bcm_dg_ds_an_us_dd_rms vs run
χ² / ndf 740.2 / 53
p0 17.24 ± 0.01675
18.5
18
17.5
17
16.5
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
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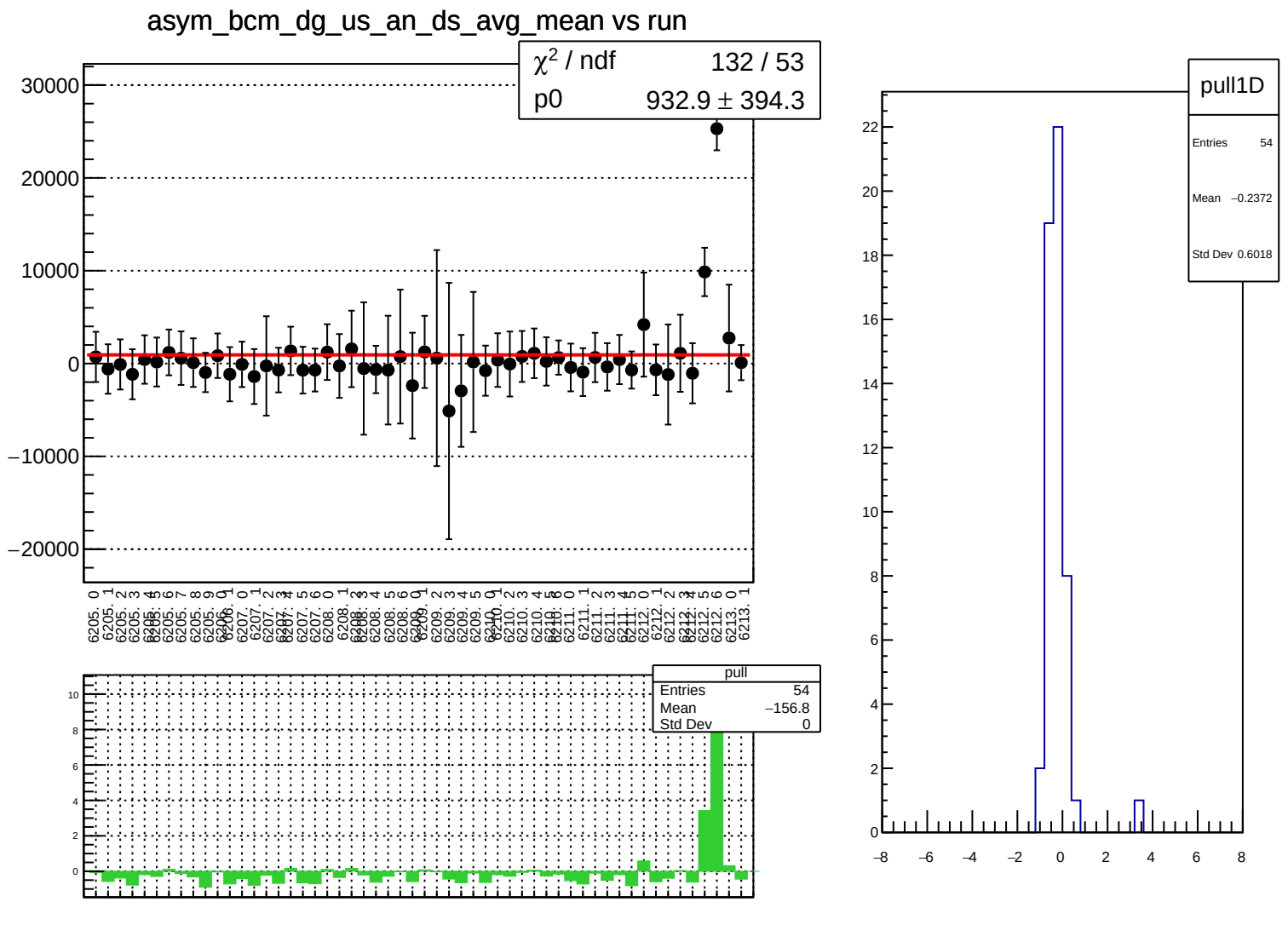
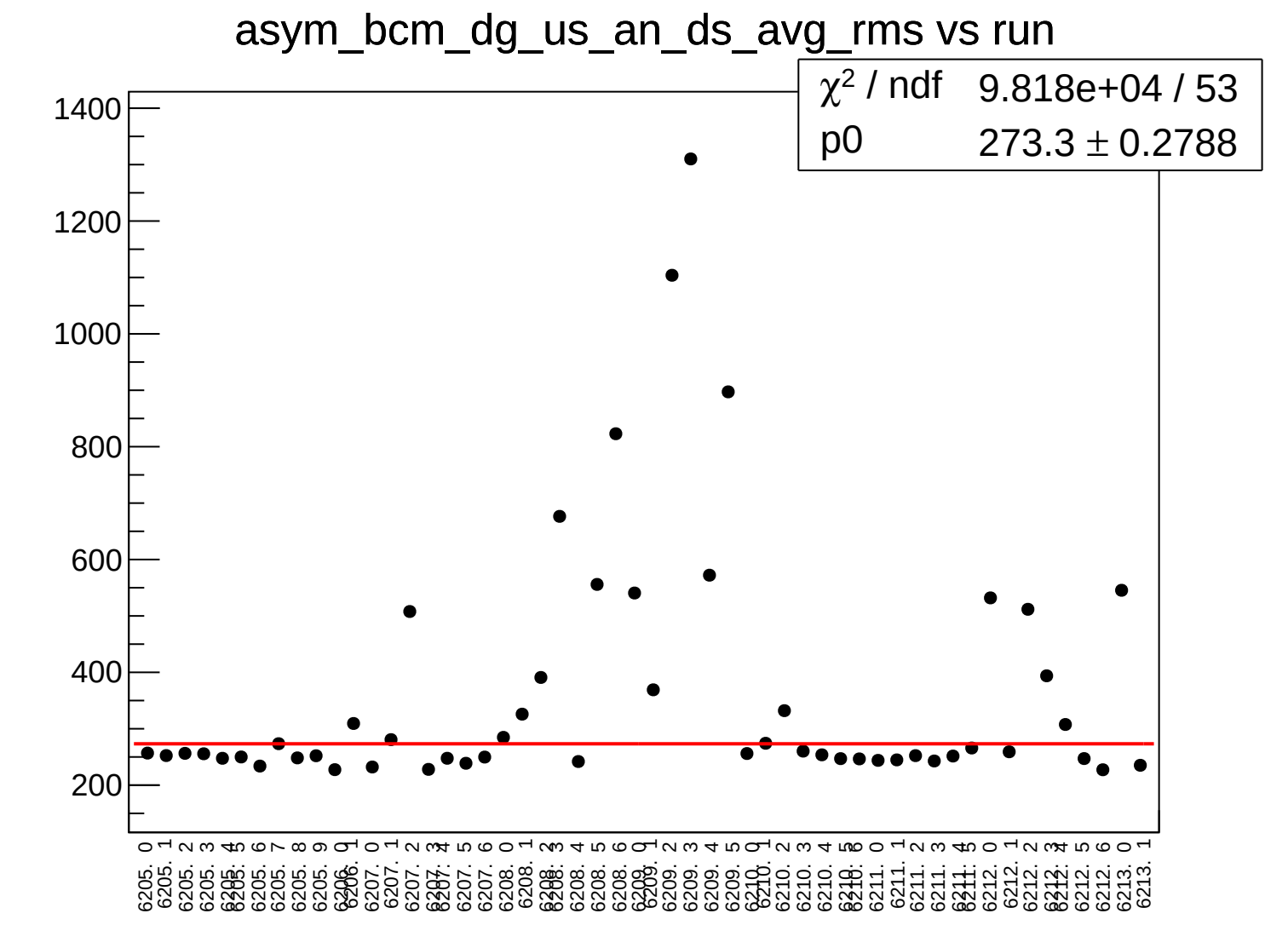
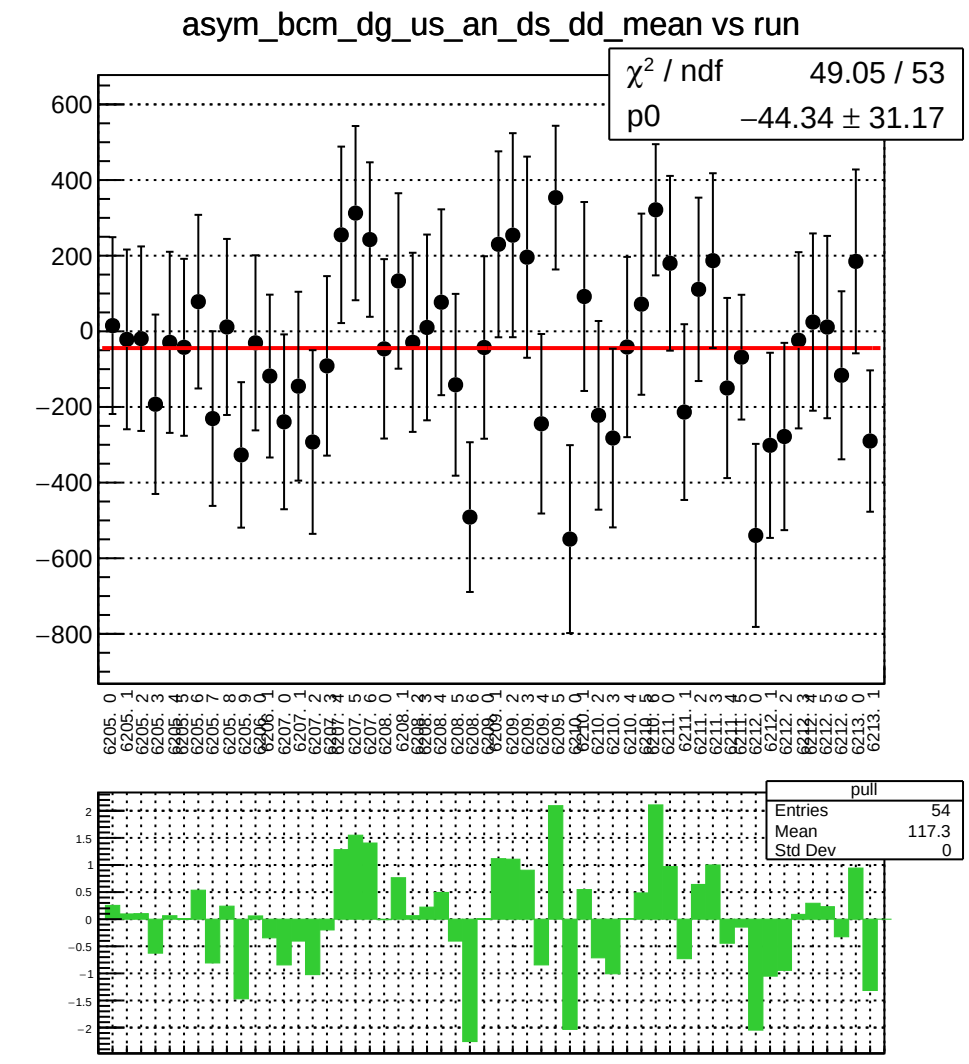
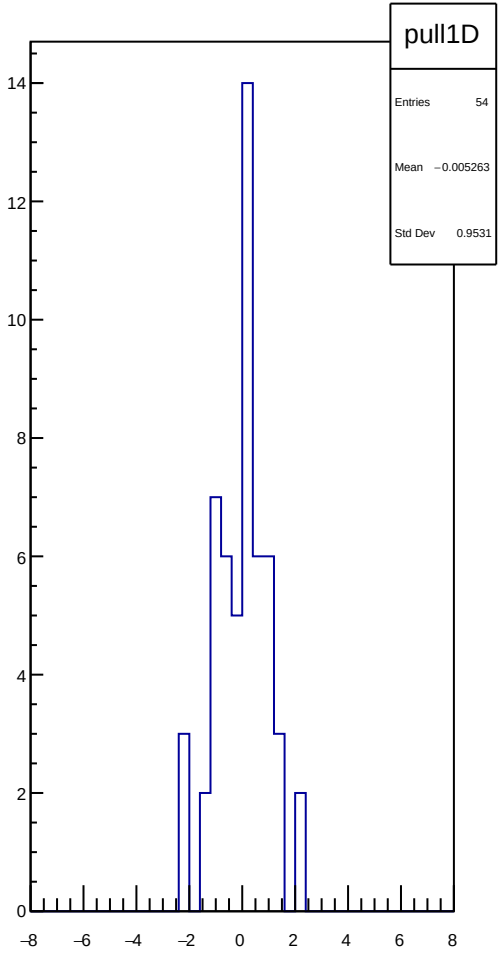
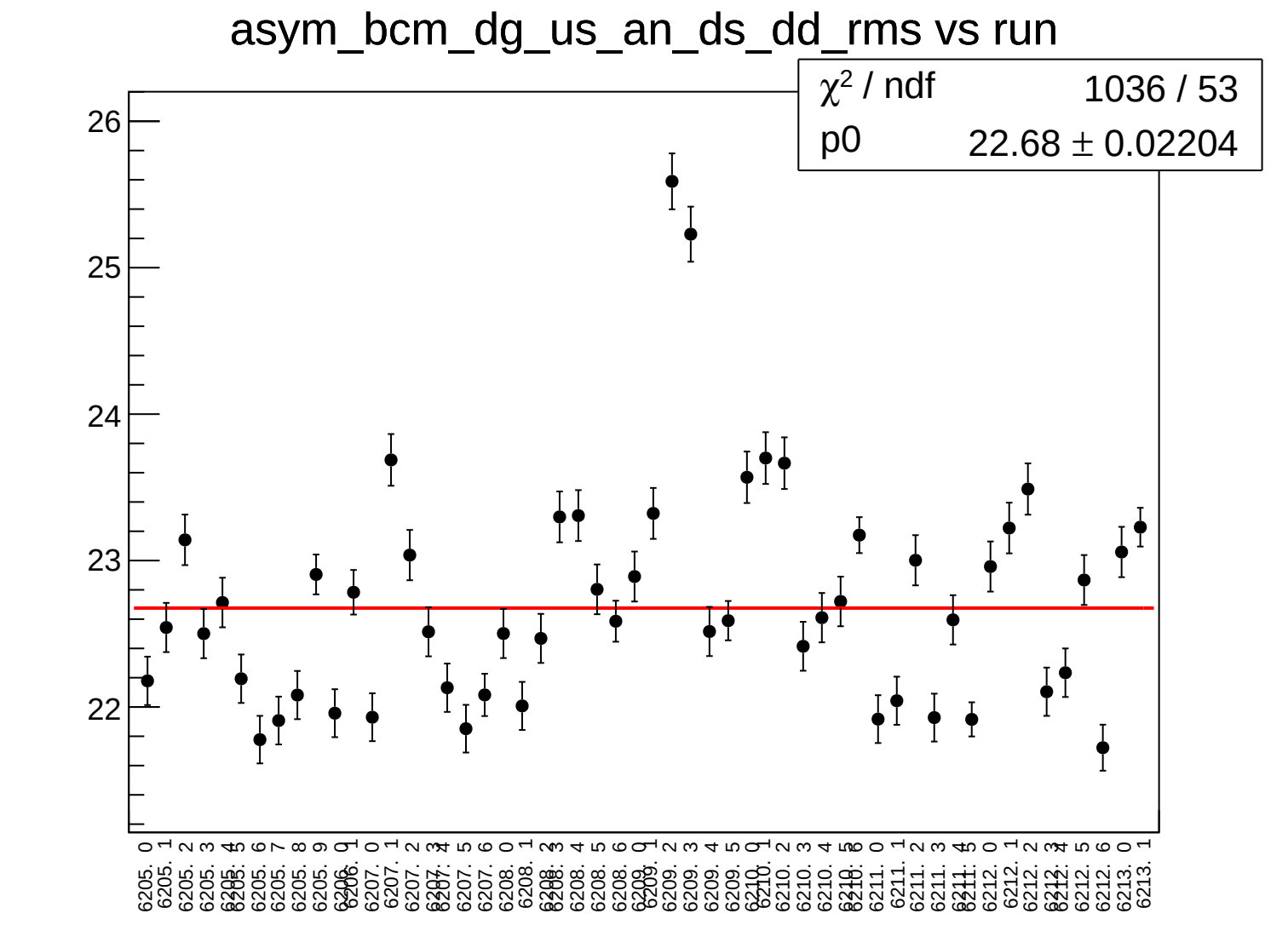
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

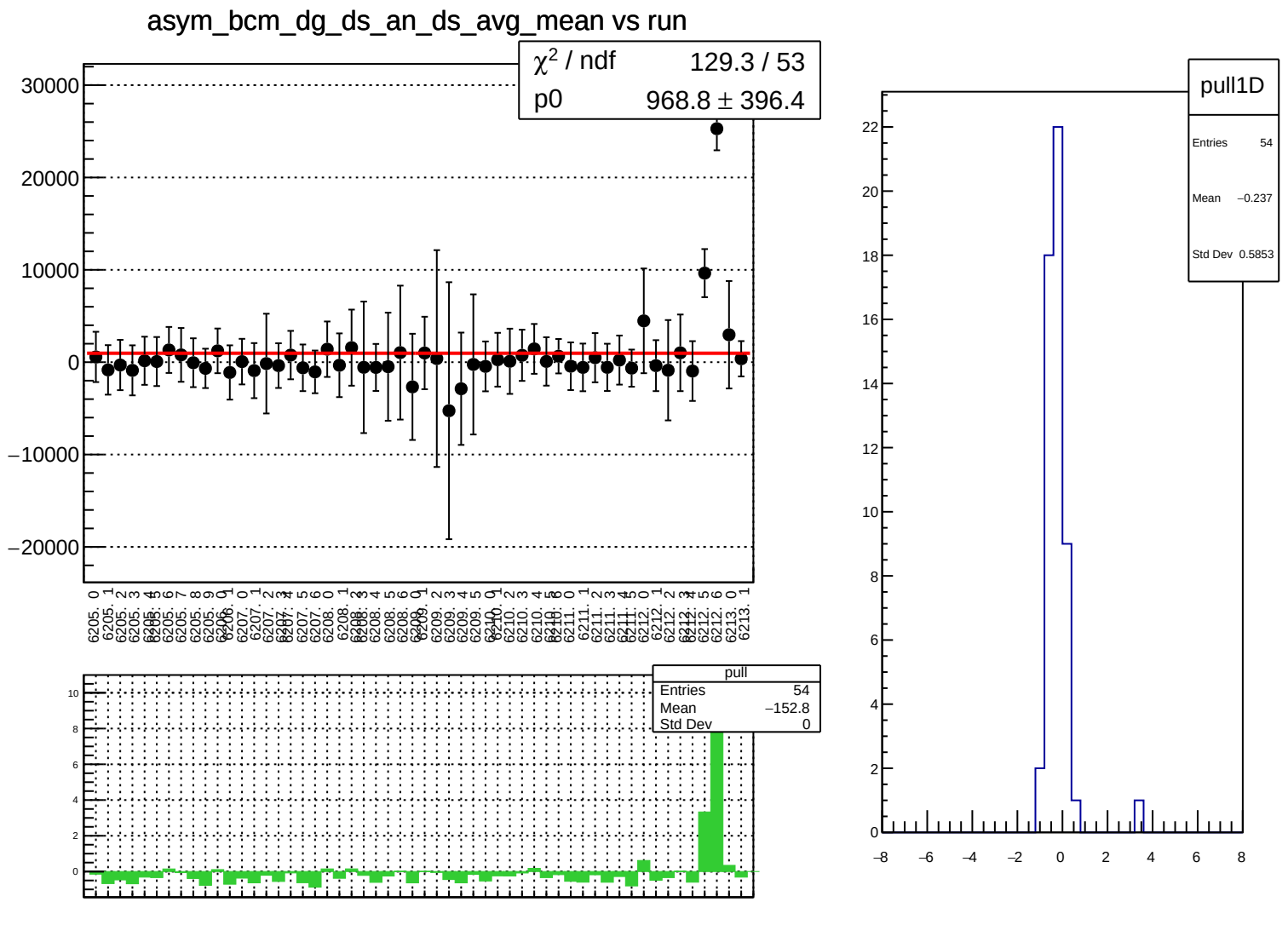

asym_bcm_dg_us_an_ds_avg_mean vs run
χ² / ndf 132 / 53
p0 932.9 ± 394.3
pull
Entries 54
Mean −156.8
Std Dev 0
pull1D
Entries 54
Mean −0.2372
Std Dev 0.6018

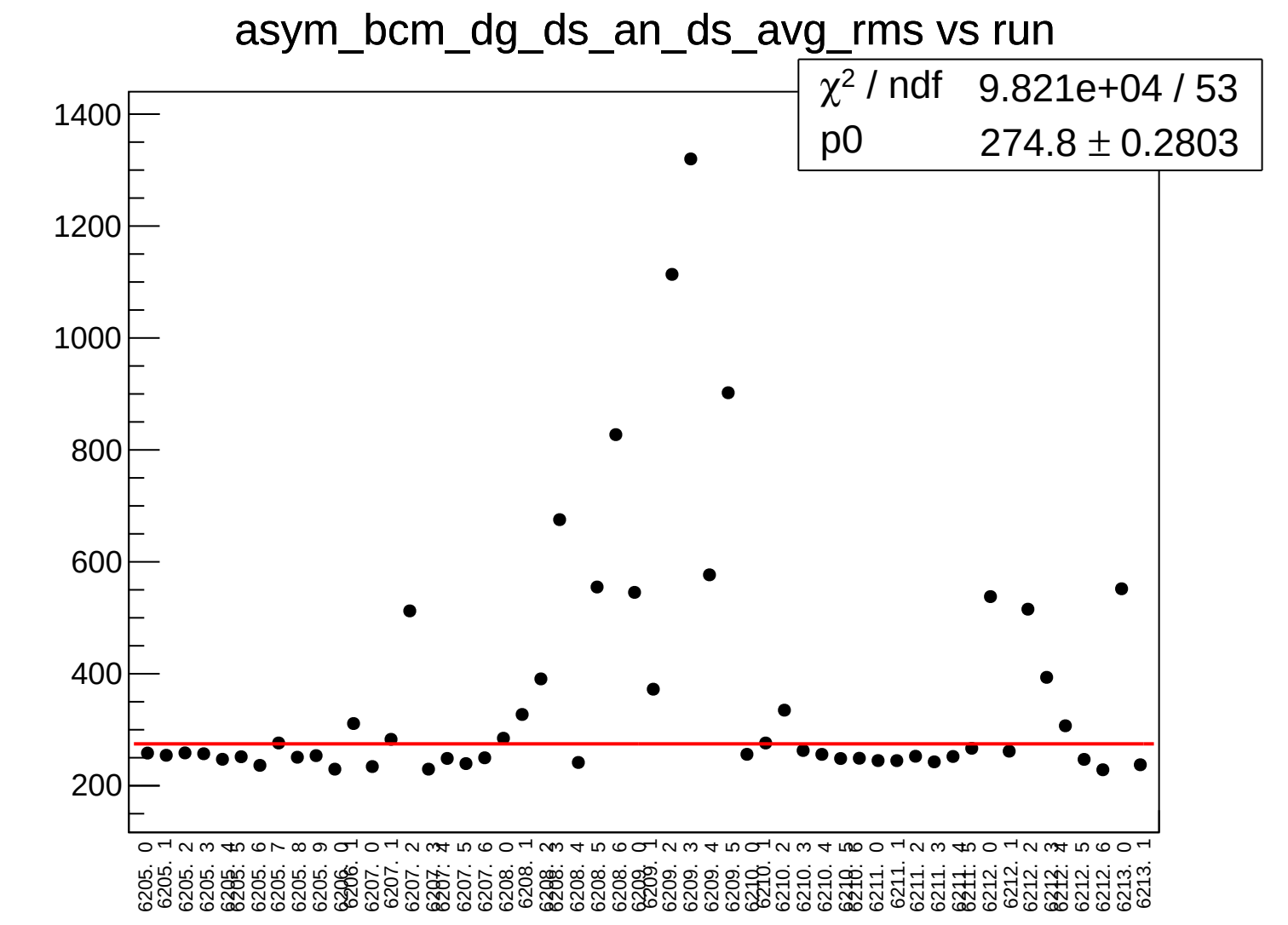

asym_bcm_dg_us_an_ds_avg_rms vs run
χ² / ndf 9.818e+04 / 53
p0 273.3 ± 0.2788
1400
1200
1000
800
600
400
200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_bcm_dg_us_an_ds_dd_mean vs run
χ² / ndf 49.05 / 53
p0 −44.34 ± 31.17
pull
Entries 54
Mean 117.3
Std Dev 0


pull1D
Entries 54
Mean −0.005263
Std Dev 0.9531


asym_bcm_dg_us_an_ds_dd_rms vs run
χ² / ndf 1036 / 53
p0 22.68 ± 0.02204
26
25
24
23
22
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_bcm_dg_ds_an_ds_avg_mean vs run
χ² / ndf 129.3 / 53
p0 968.8 ± 396.4
pull
Entries 54
Mean −152.8
Std Dev 0
pull1D
Entries 54
Mean −0.237
Std Dev 0.5853


asym_bcm_dg_ds_an_ds_avg_rms vs run
χ² / ndf 9.821e+04 / 53
p0 274.8 ± 0.2803
1400
1200
1000
800
600
400
200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
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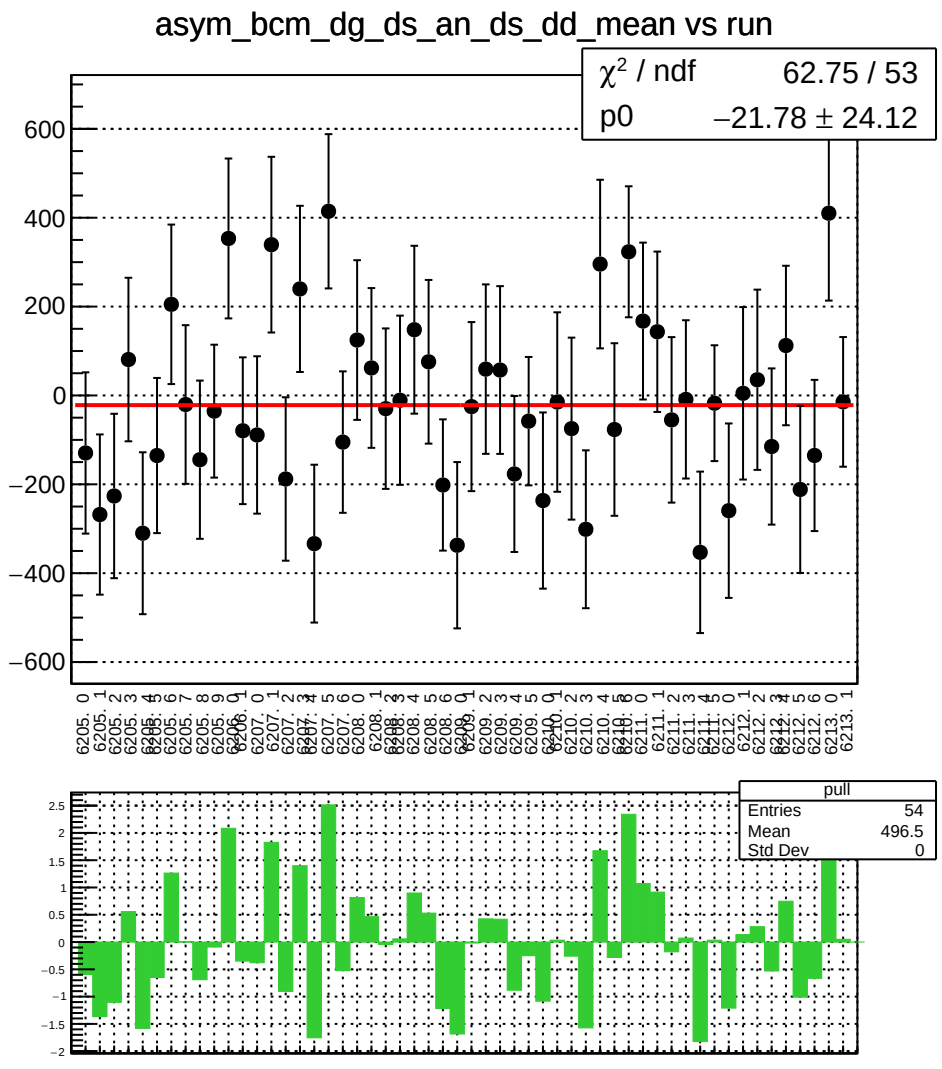
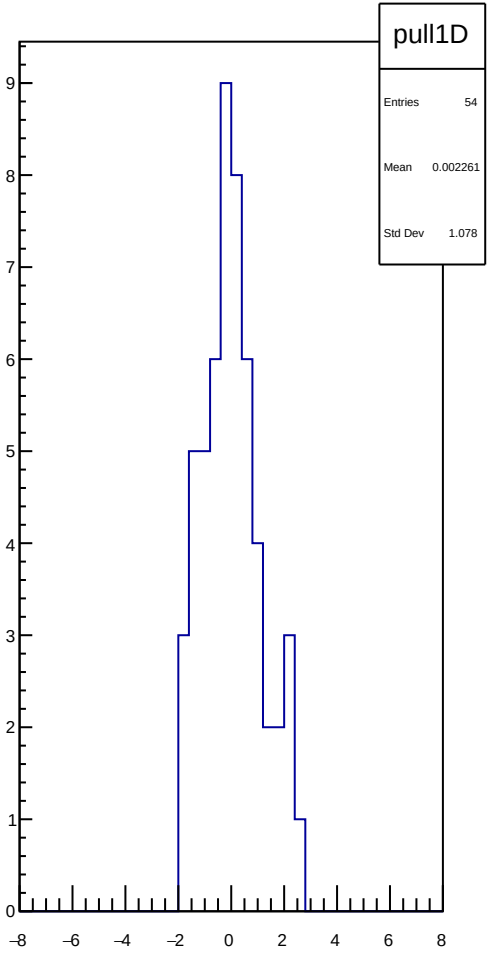
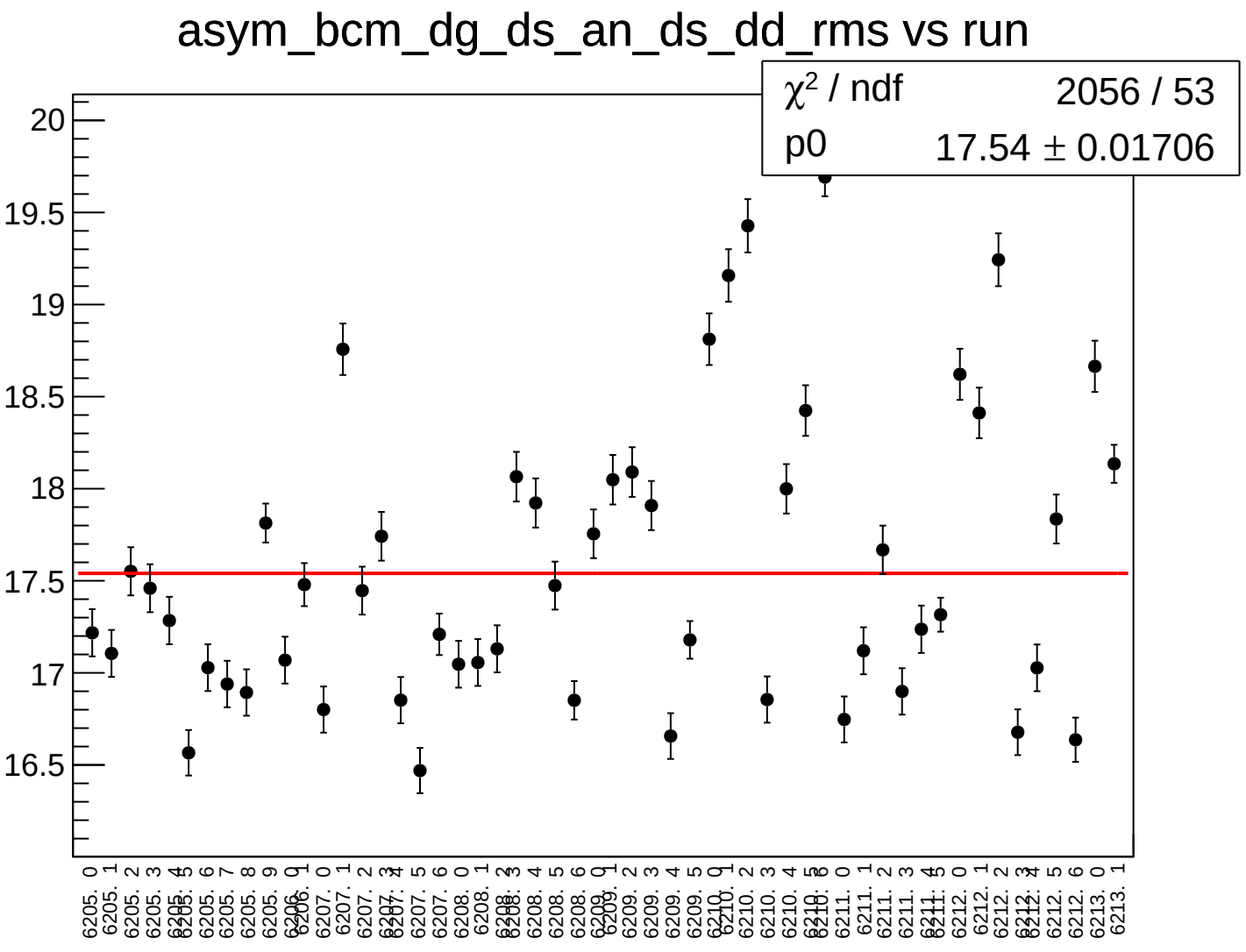
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_bcm_dg_ds_an_ds_dd_mean vs run
χ² / ndf 62.75 / 53
p0 −21.78 ± 24.12
pull
Entries 54
Mean 496.5
Std Dev 0


pull1D
Entries 54
Mean 0.002261
Std Dev 1.078


asym_bcm_dg_ds_an_ds_dd_rms vs run
χ² / ndf 2056 / 53
p0 17.54 ± 0.01706
20
19.5
19
18.5
18
17.5
17
16.5
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
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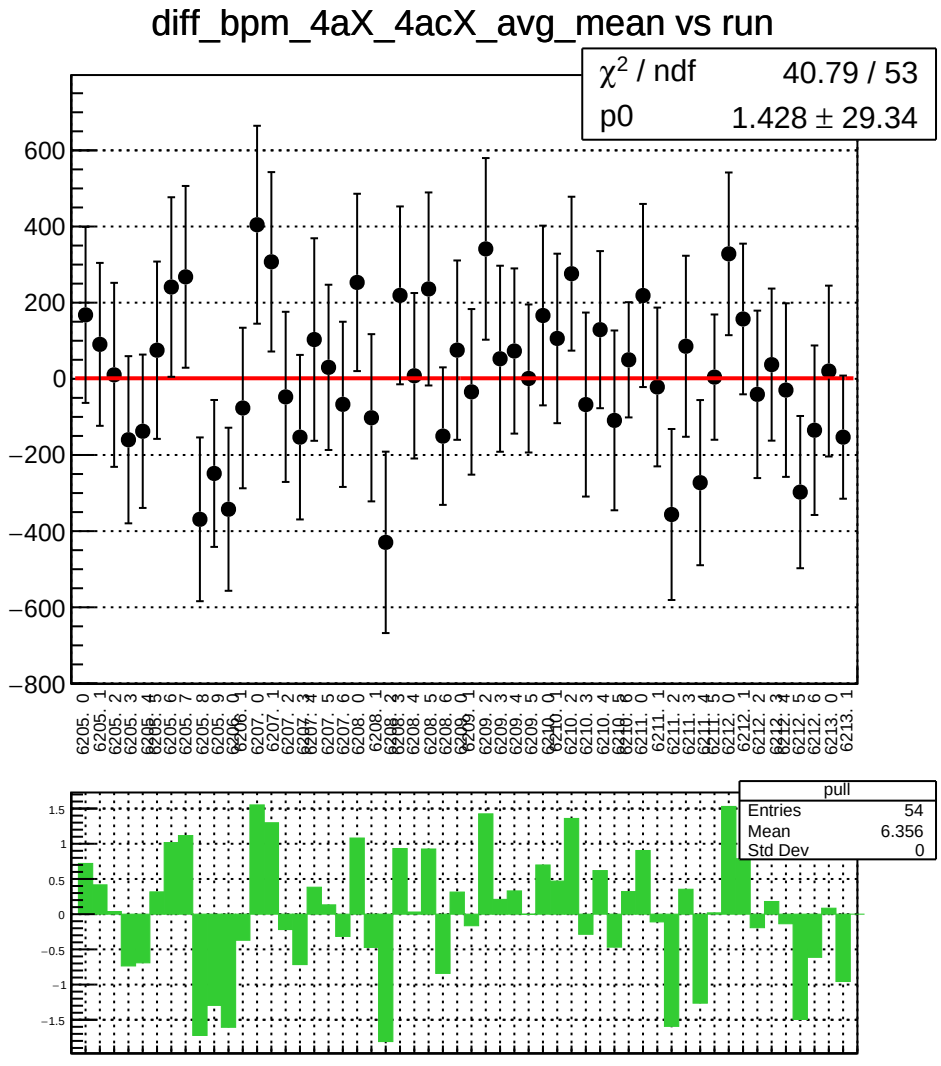
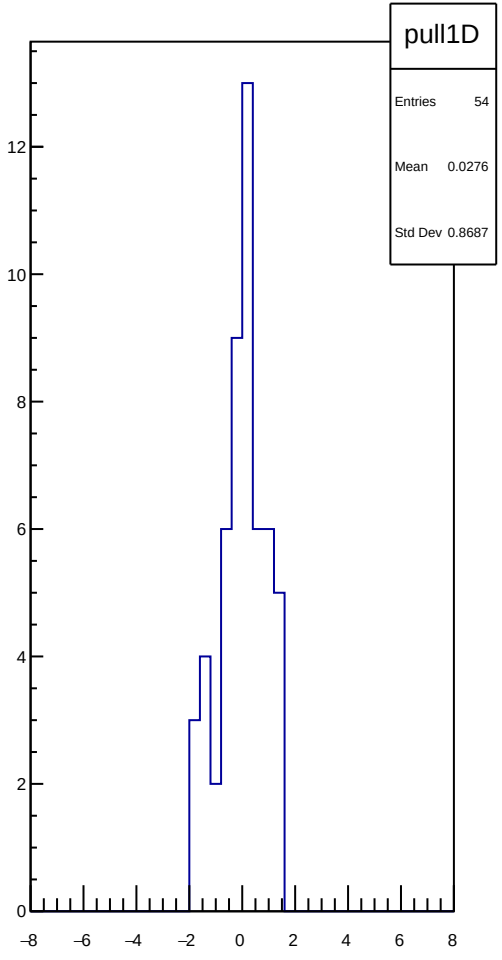
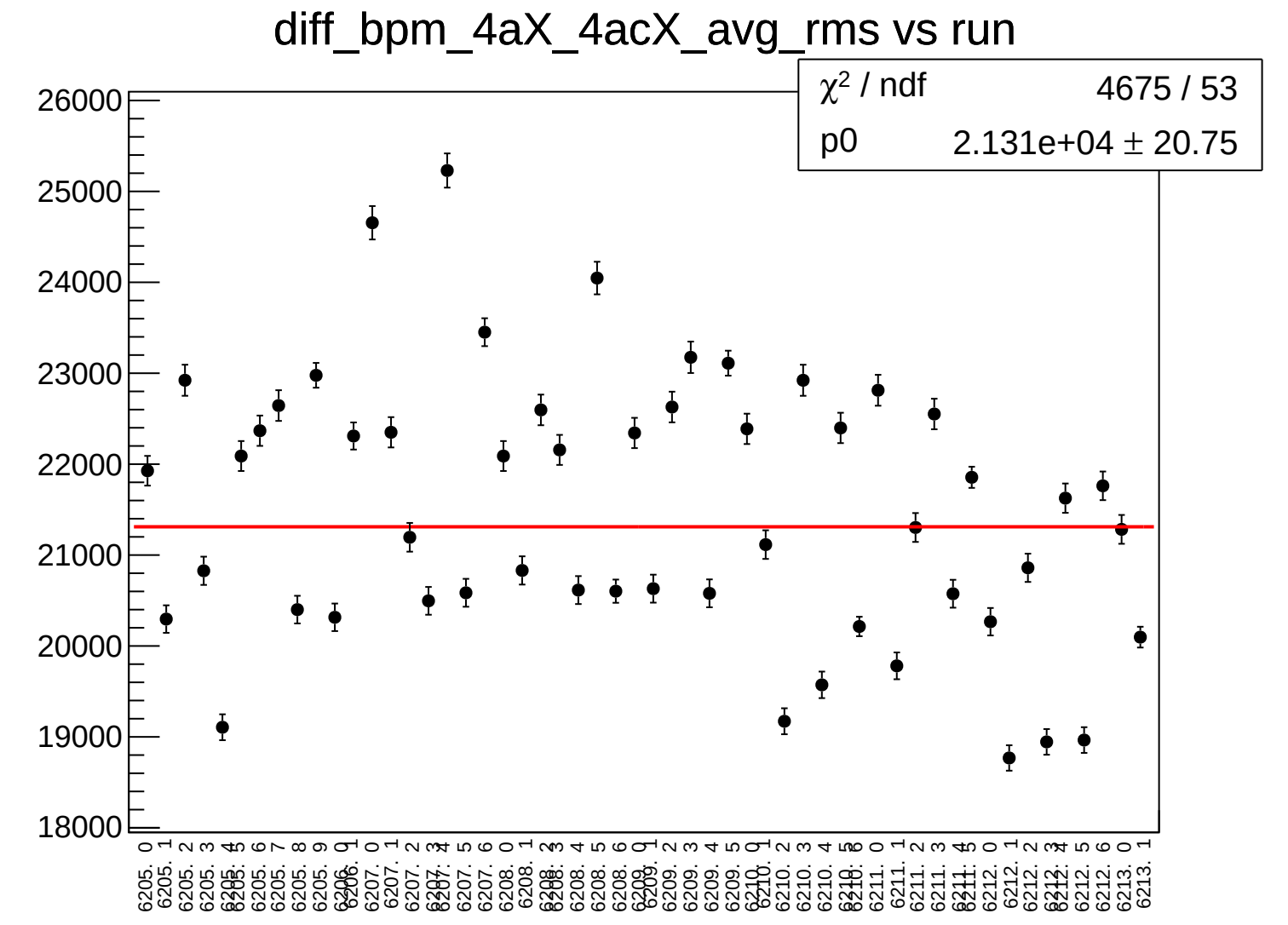
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


diff_bpm_4aX_4acX_avg_mean vs run
χ² / ndf 40.79 / 53
p0 1.428 ± 29.34
pull
Entries 54
Mean 6.356
Std Dev 0


pull1D
Entries 54
Mean 0.0276
Std Dev 0.8687


diff_bpm_4aX_4acX_avg_rms vs run
χ² / ndf 4675 / 53
p0 2.131e+04 ± 20.75
26000
25000
24000
23000
22000
21000
20000
19000
18000
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
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6208. 2
6208. 3
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6208. 5
6208. 6
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6209. 2
6209. 3
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6209. 5
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6210. 3
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6211. 2
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6211. 4
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6212. 2
6212. 3
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6212. 5
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6213. 0
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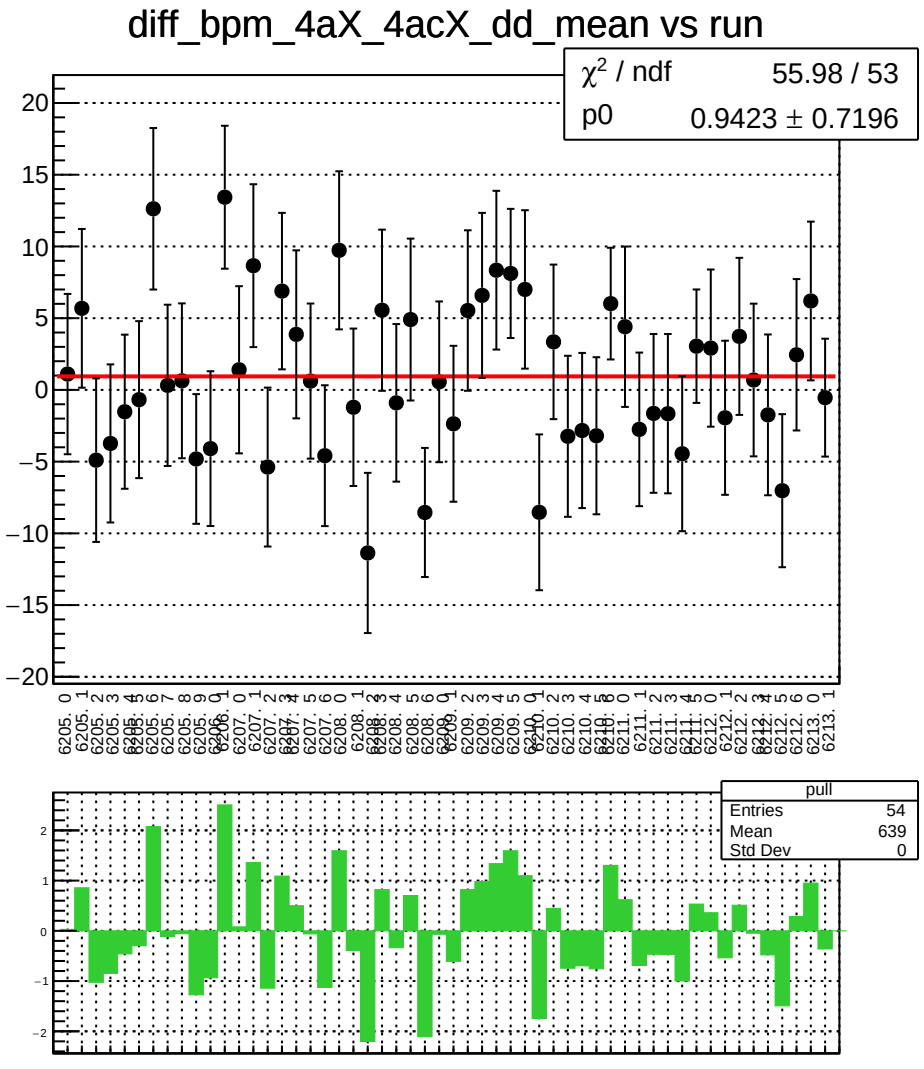
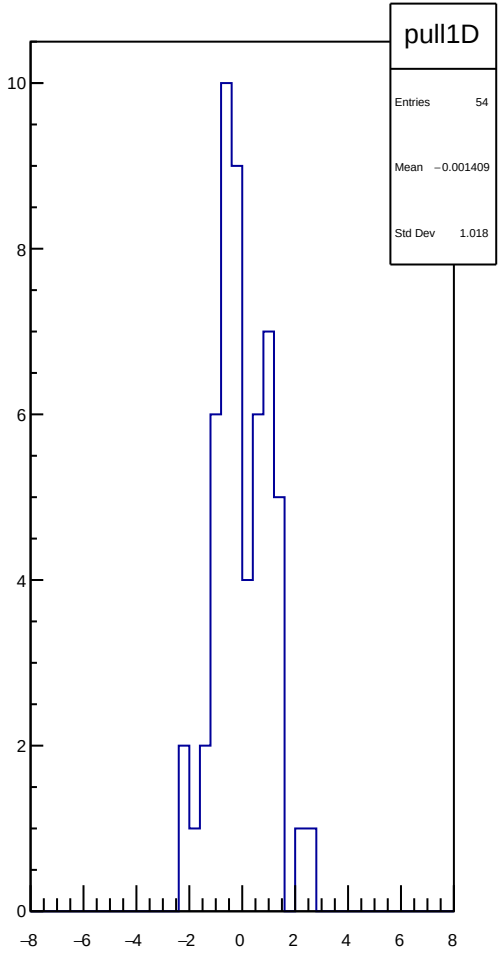
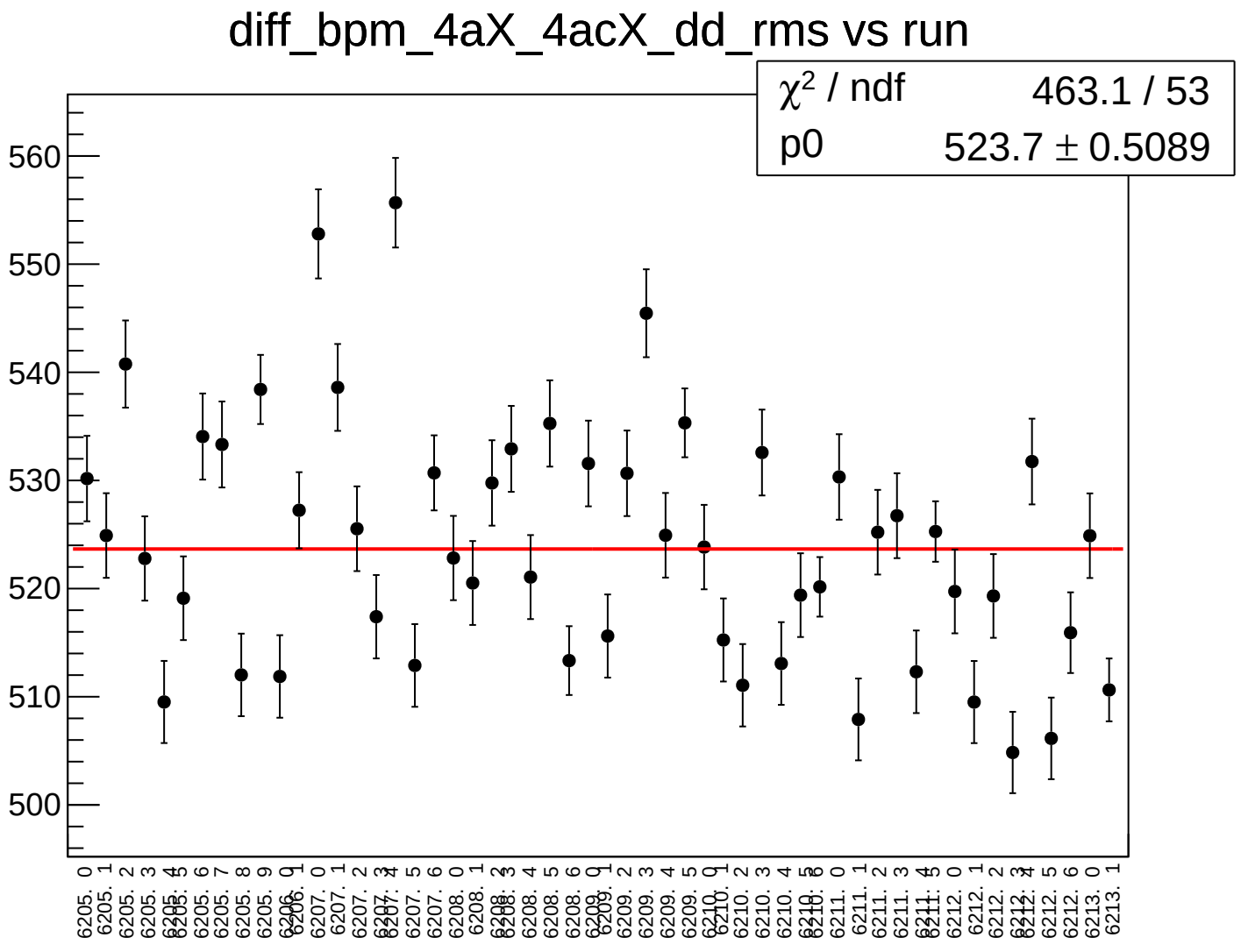

diff_bpm_4aX_4acX_dd_mean vs run
χ² / ndf 55.98 / 53
p0 0.9423 ± 0.7196
pull
Entries 54
Mean 639
Std Dev 0


pull1D
Entries 54
Mean −0.001409
Std Dev 1.018


diff_bpm_4aX_4acX_dd_rms vs run
χ² / ndf 463.1 / 53
p0 523.7 ± 0.5089
560
550
540
530
520
510
500
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
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6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
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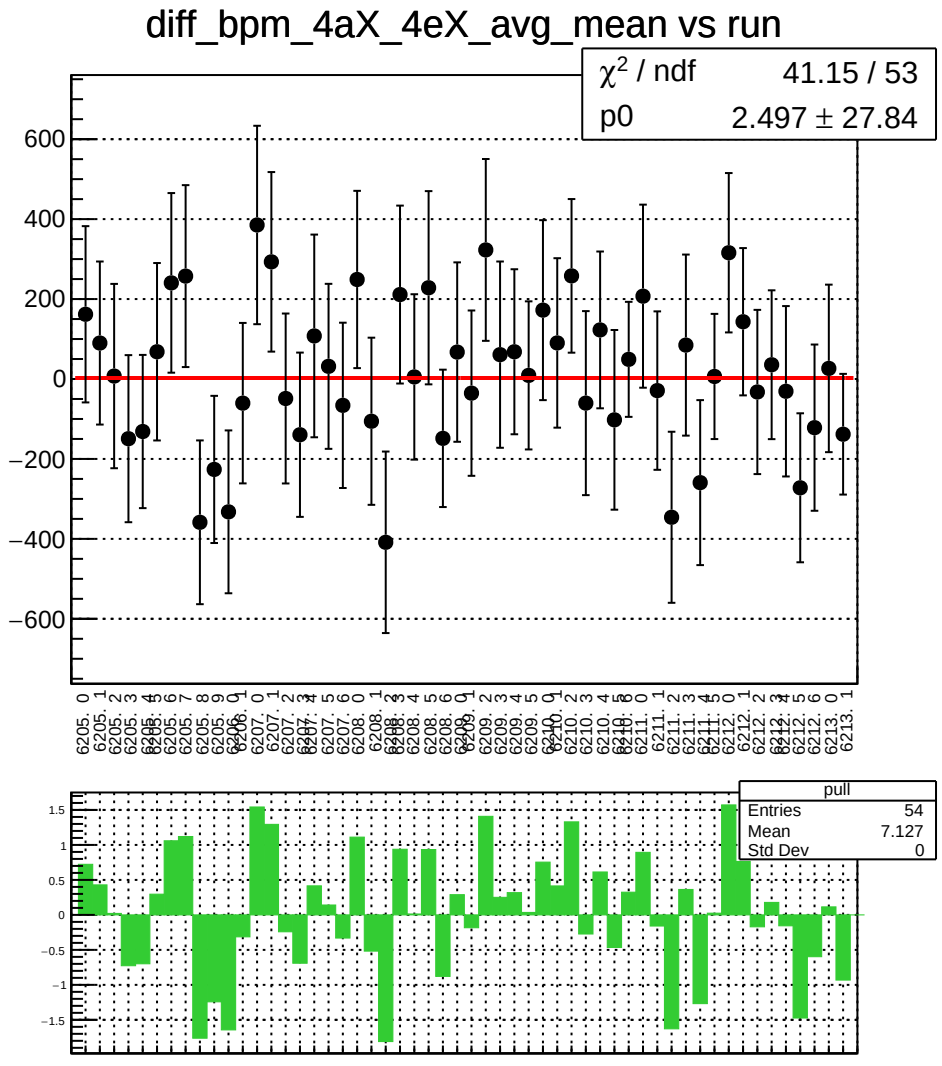
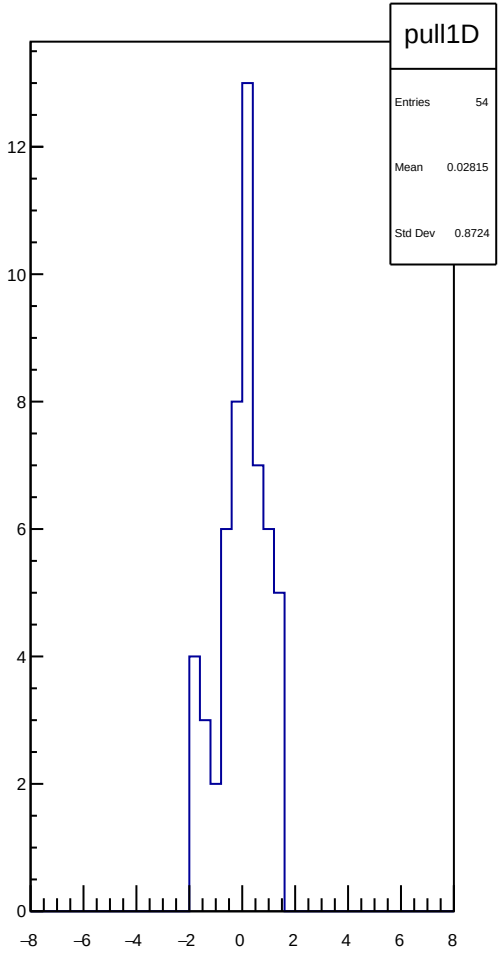
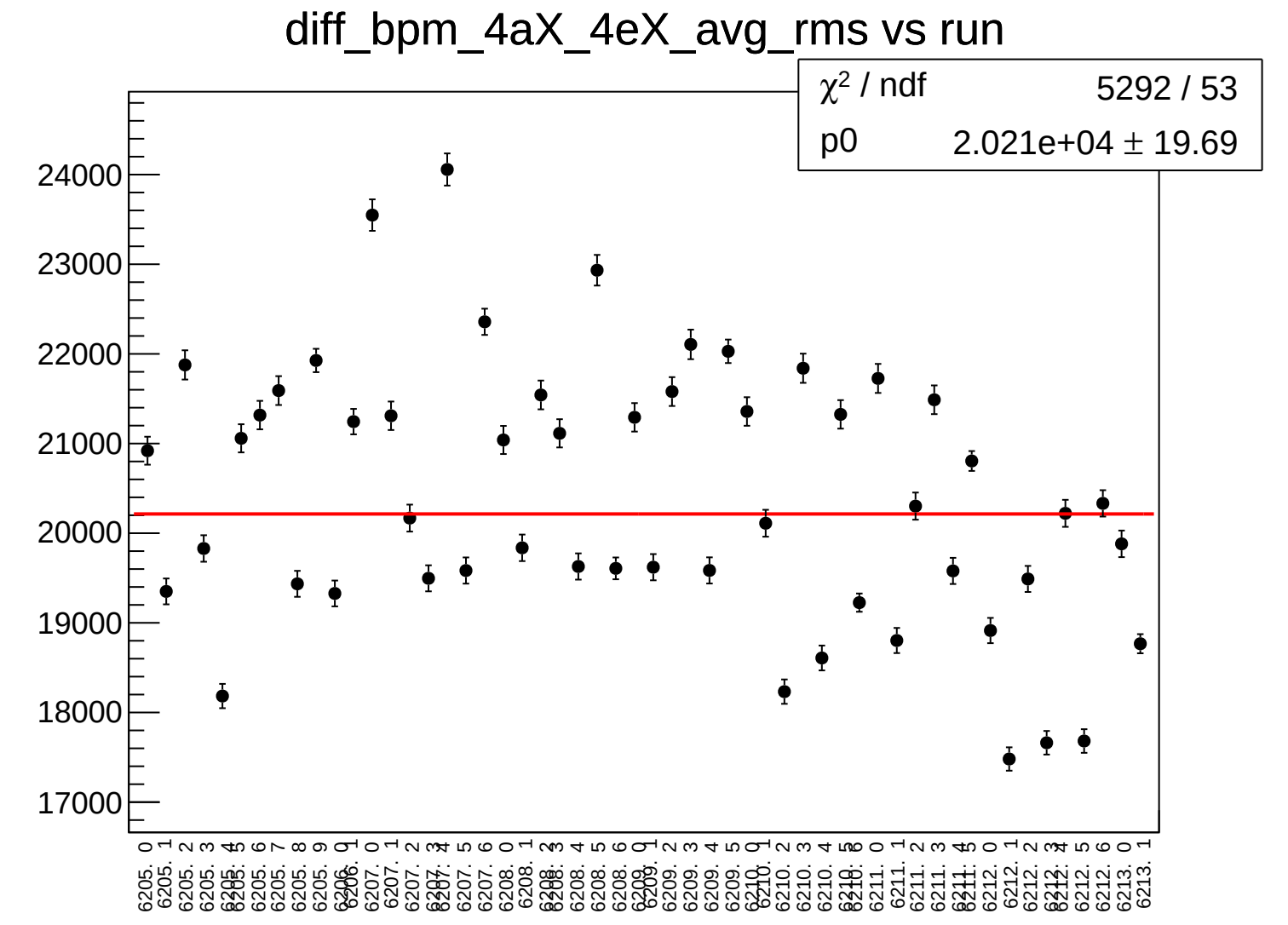
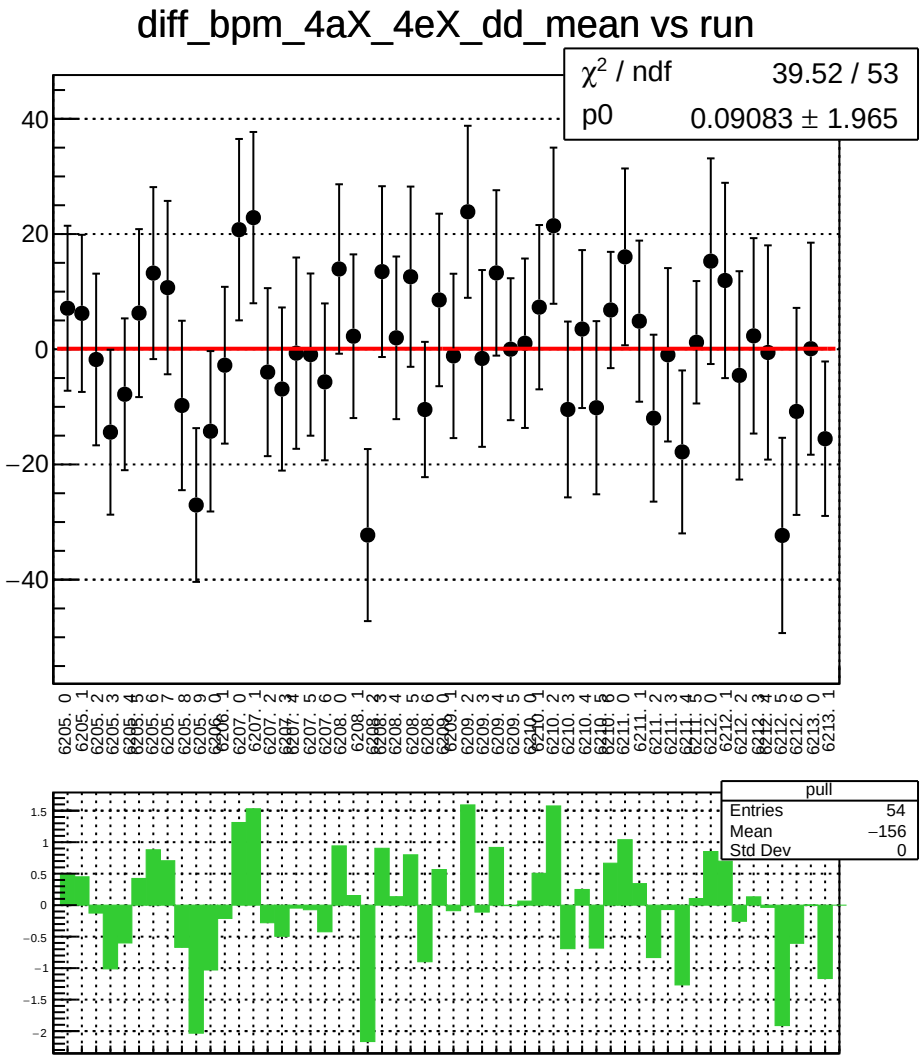
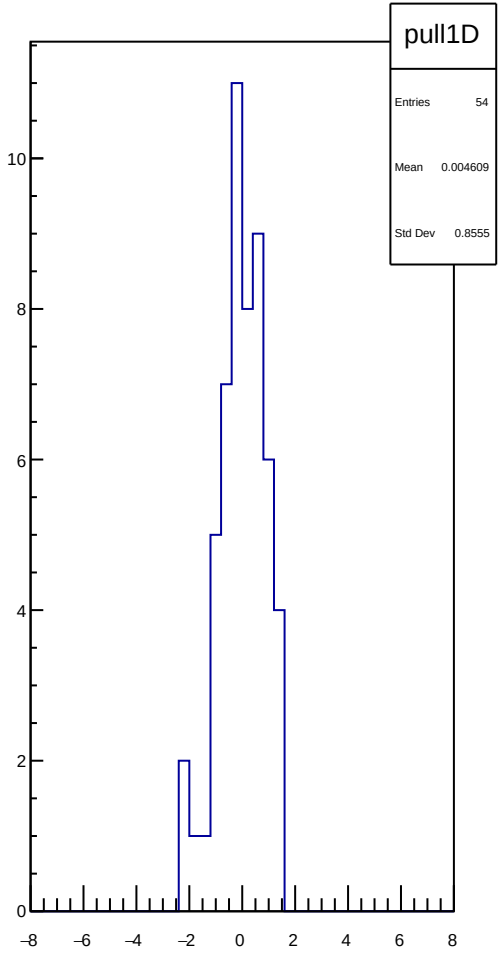
6212. 6
6213. 0
6213. 1

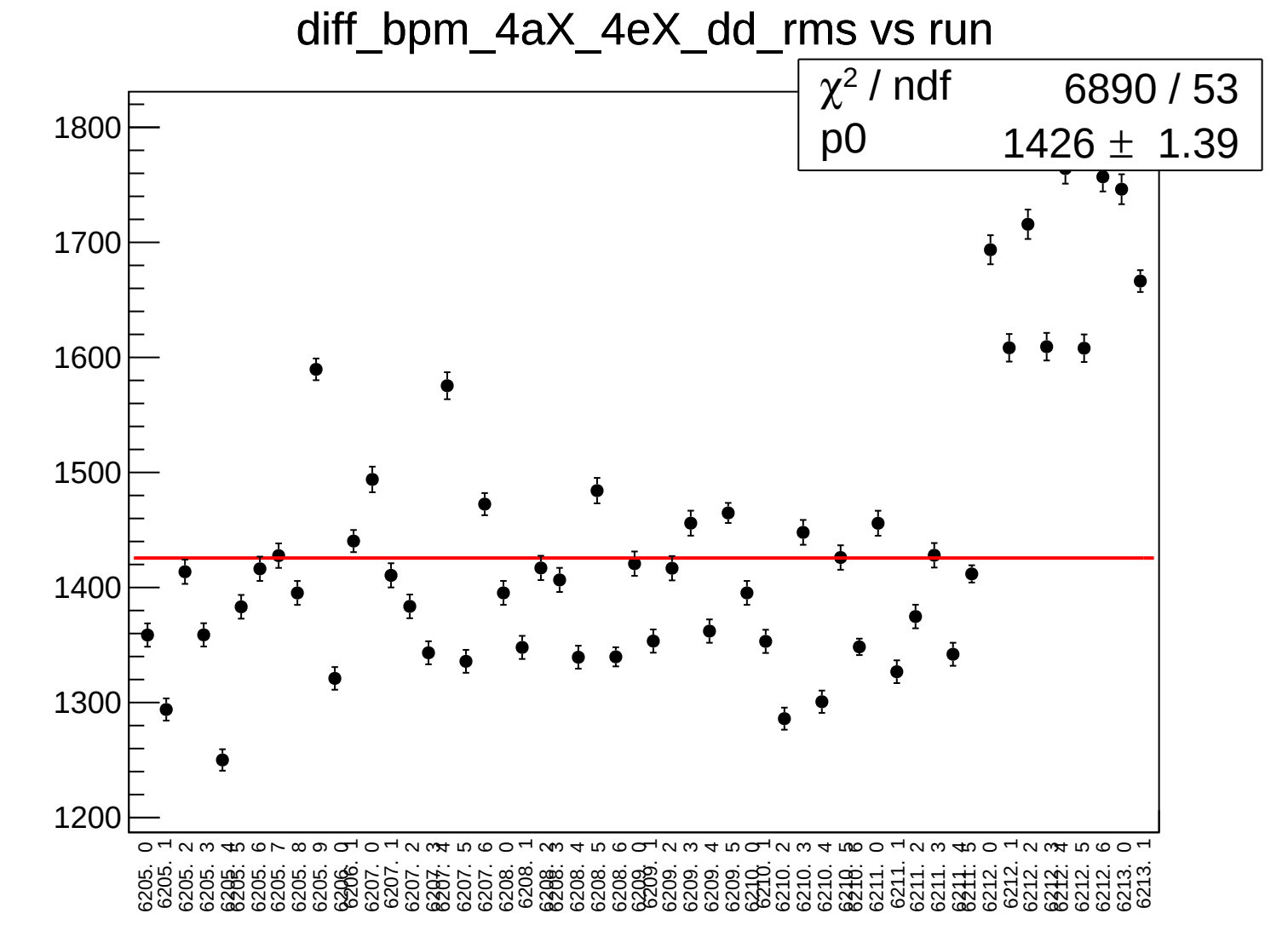

diff_bpm_4aX_4eX_avg_mean vs run
χ² / ndf 41.15 / 53
p0 2.497 ± 27.84
pull
Entries 54
Mean 7.127
Std Dev 0

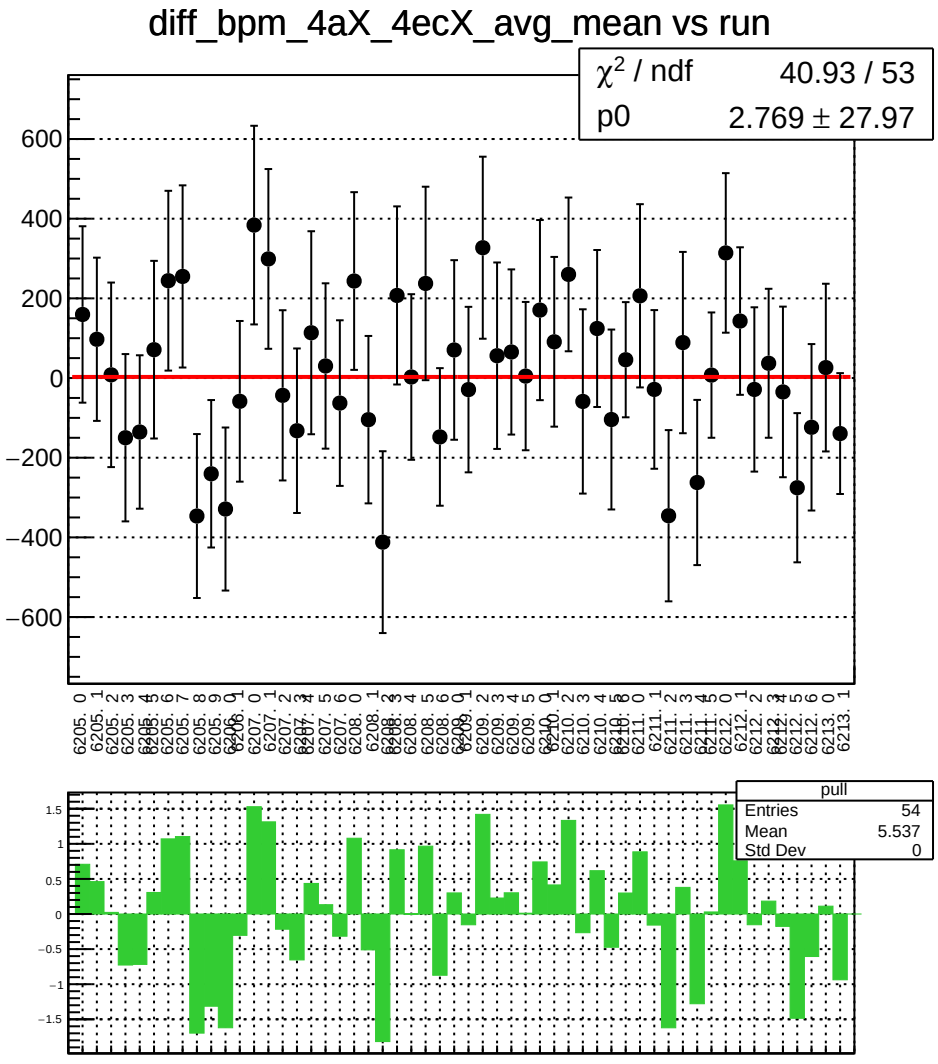

pull1D
Entries 54
Mean 0.02815
Std Dev 0.8724

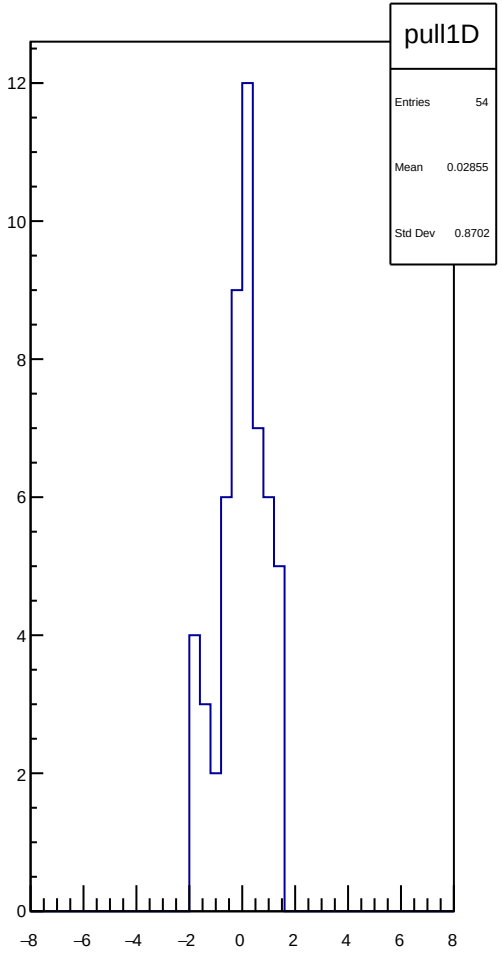

diff_bpm_4aX_4eX_avg_rms vs run
χ² / ndf 5292 / 53
p0 2.021e+04 ± 19.69
24000
23000
22000
21000
20000
19000
18000
17000
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

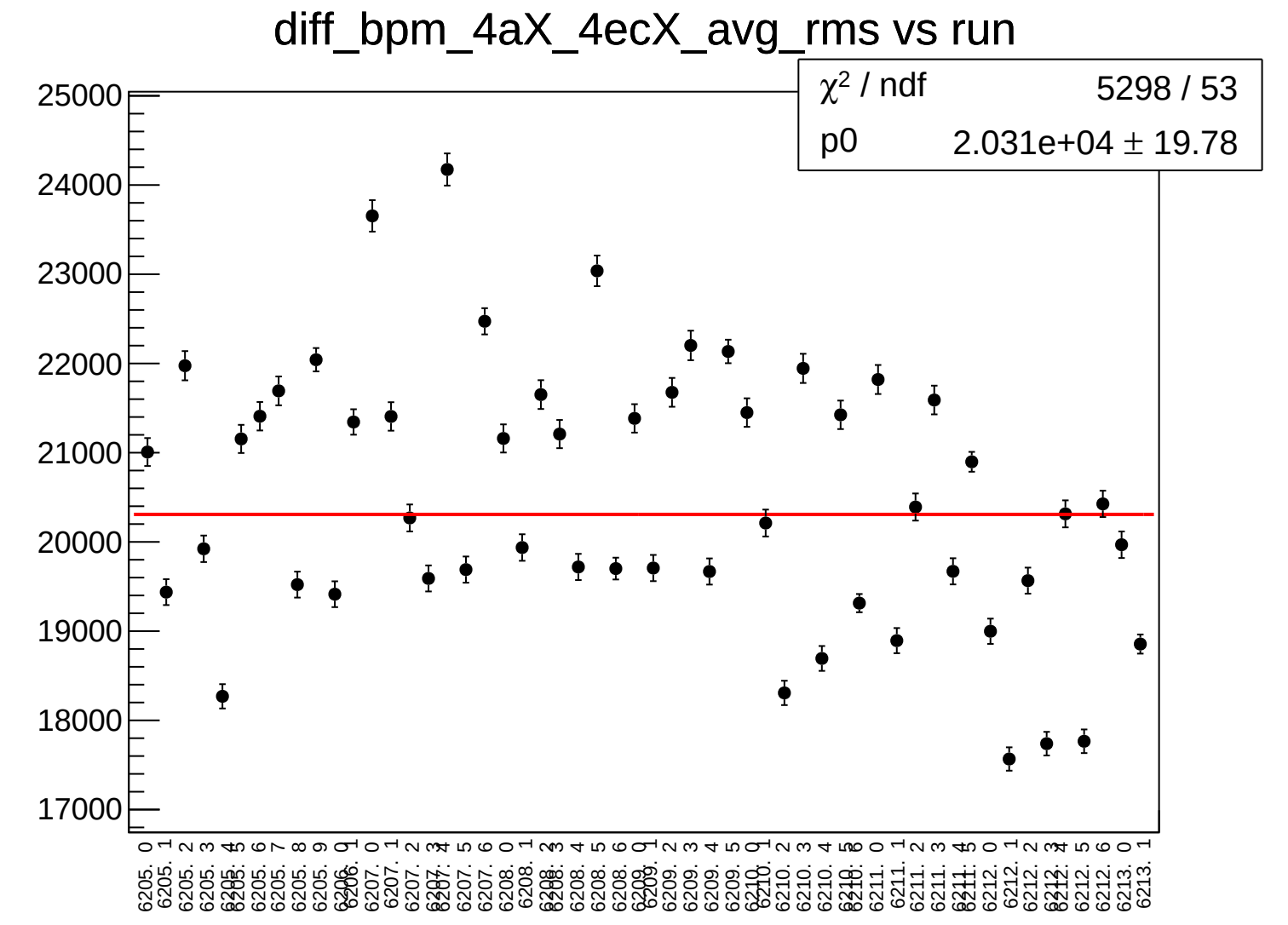

diff_bpm_4aX_4eX_dd_mean vs run
χ² / ndf 39.52 / 53
p0 0.09083 ± 1.965
pull
Entries 54
Mean −156
Std Dev 0

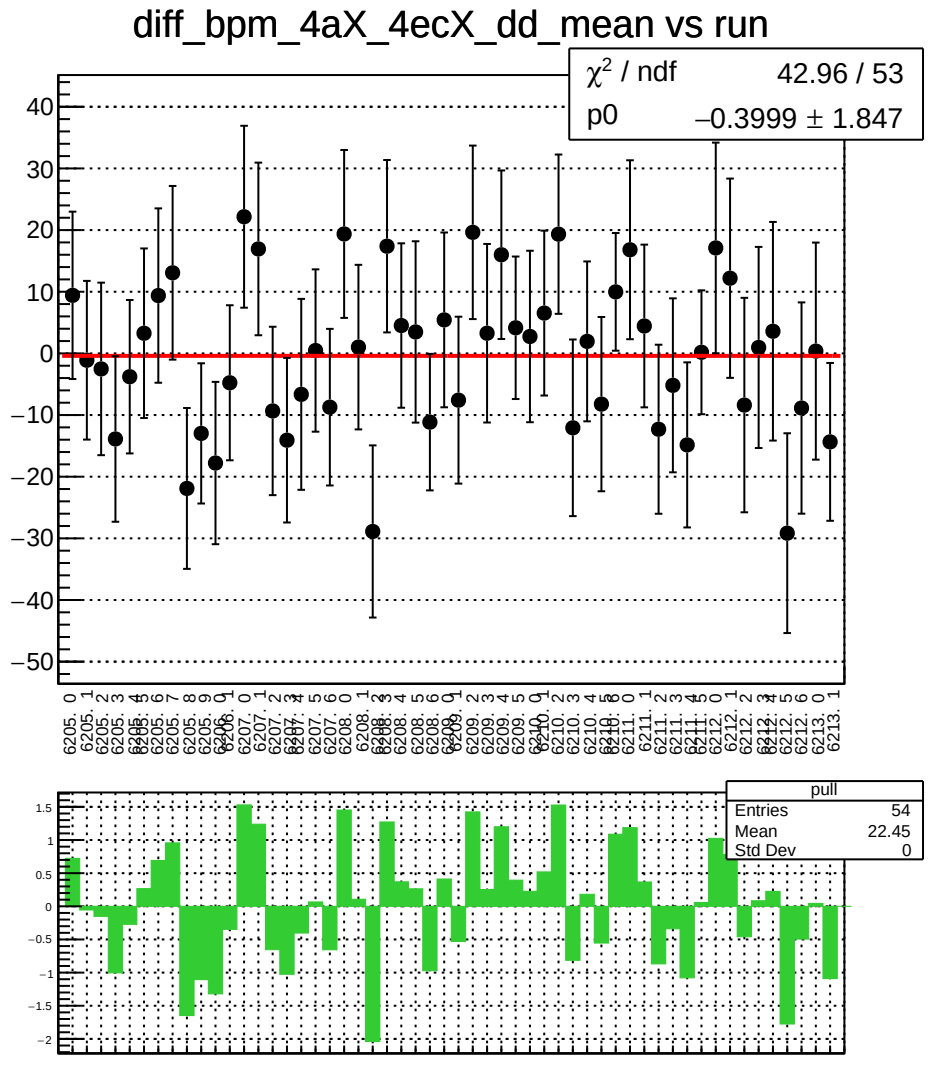

pull1D
Entries 54
Mean 0.004609
Std Dev 0.8555

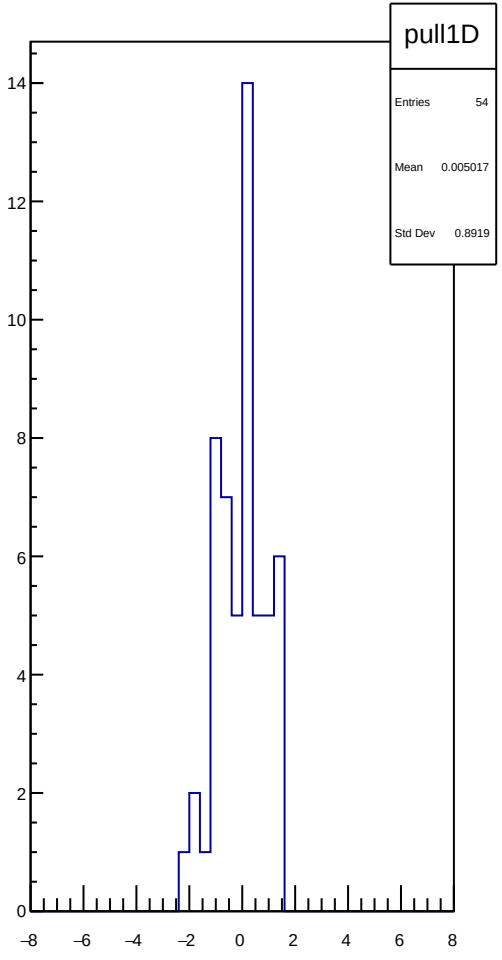

diff_bpm_4aX_4eX_dd_rms vs run
χ² / ndf 6890 / 53
p0 1426 ± 1.39
1800
1700
1600
1500
1400
1300
1200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

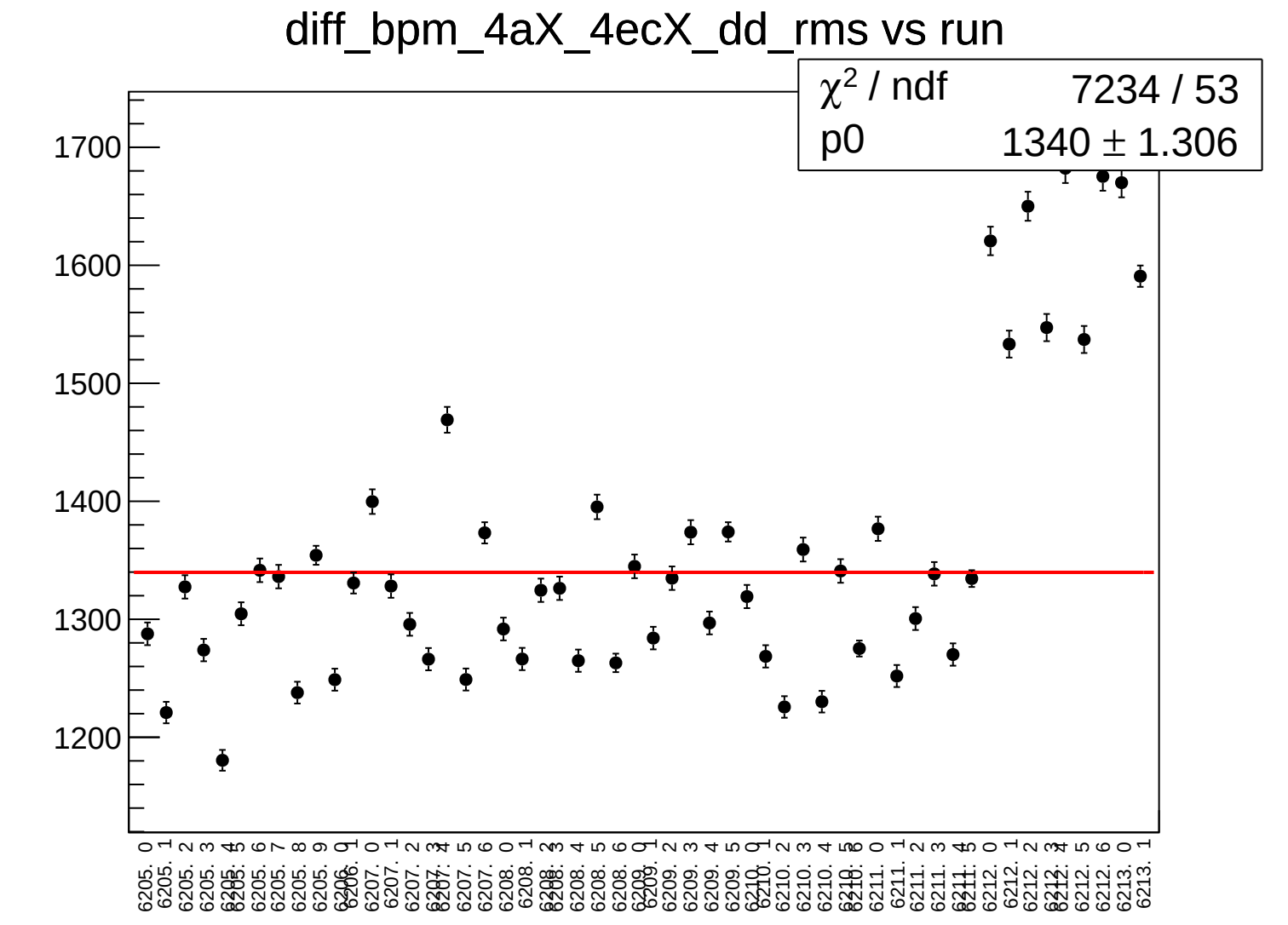

diff_bpm_4aX_4ecX_avg_mean vs run
χ² / ndf 40.93 / 53
p0 2.769 ± 27.97
600
400
200
0
−200
−400
−600
pull
Entries 54
Mean 5.537
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

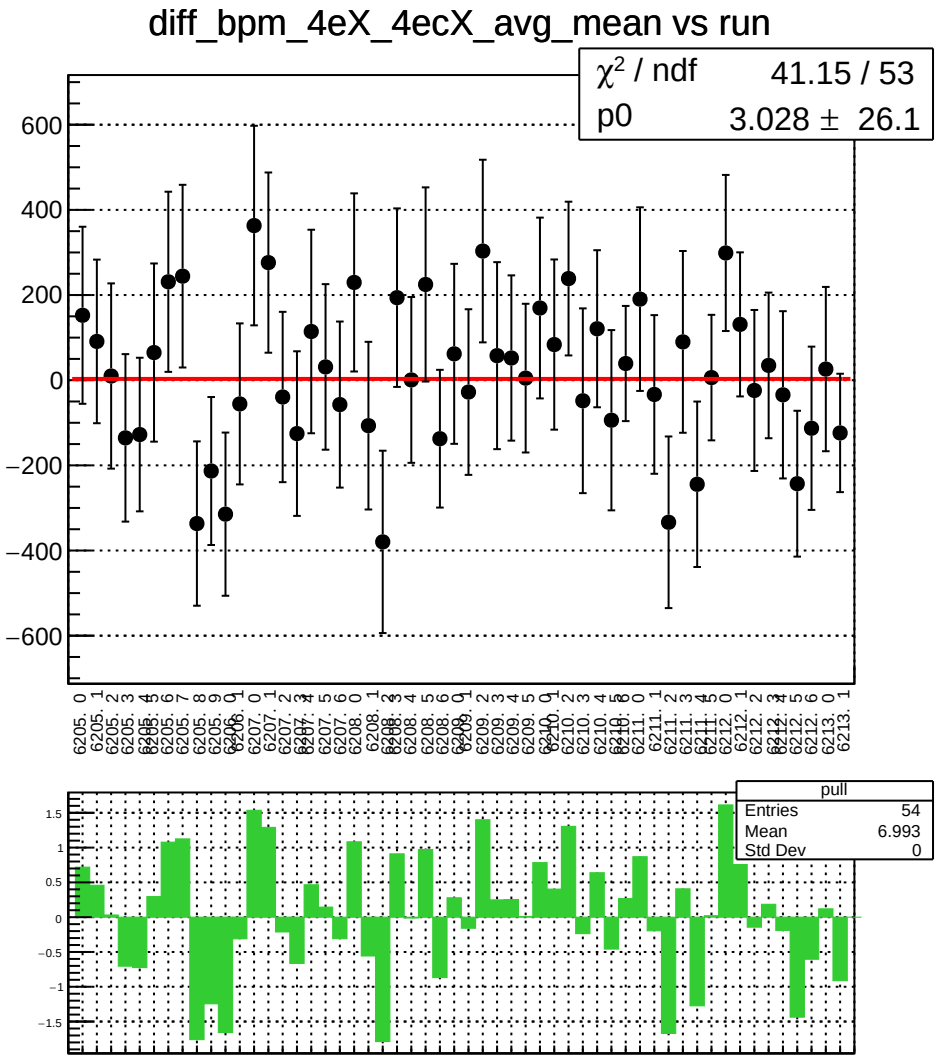

pull1D
Entries 54
Mean 0.02855
Std Dev 0.8702
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

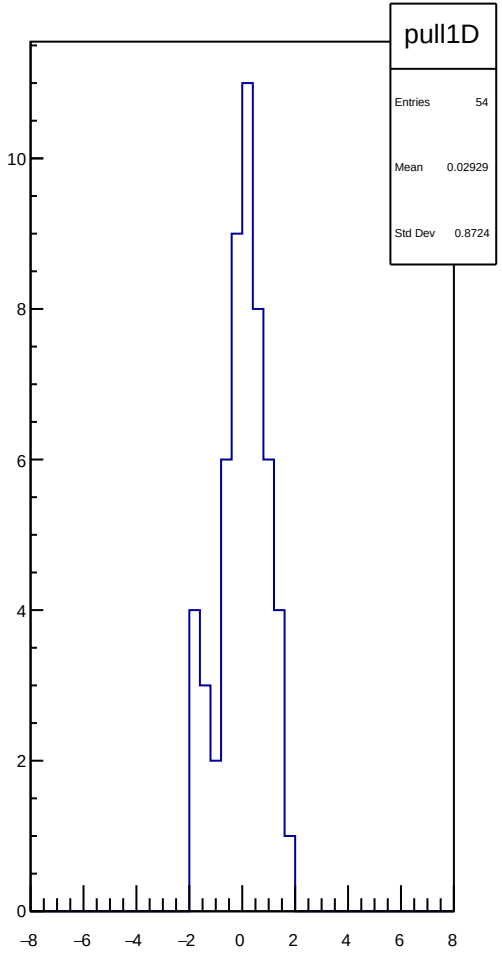

diff_bpm_4aX_4ecX_avg_rms vs run
χ² / ndf 5298 / 53
p0 2.031e+04 ± 19.78
25000
24000
23000
22000
21000
20000
19000
18000
17000
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

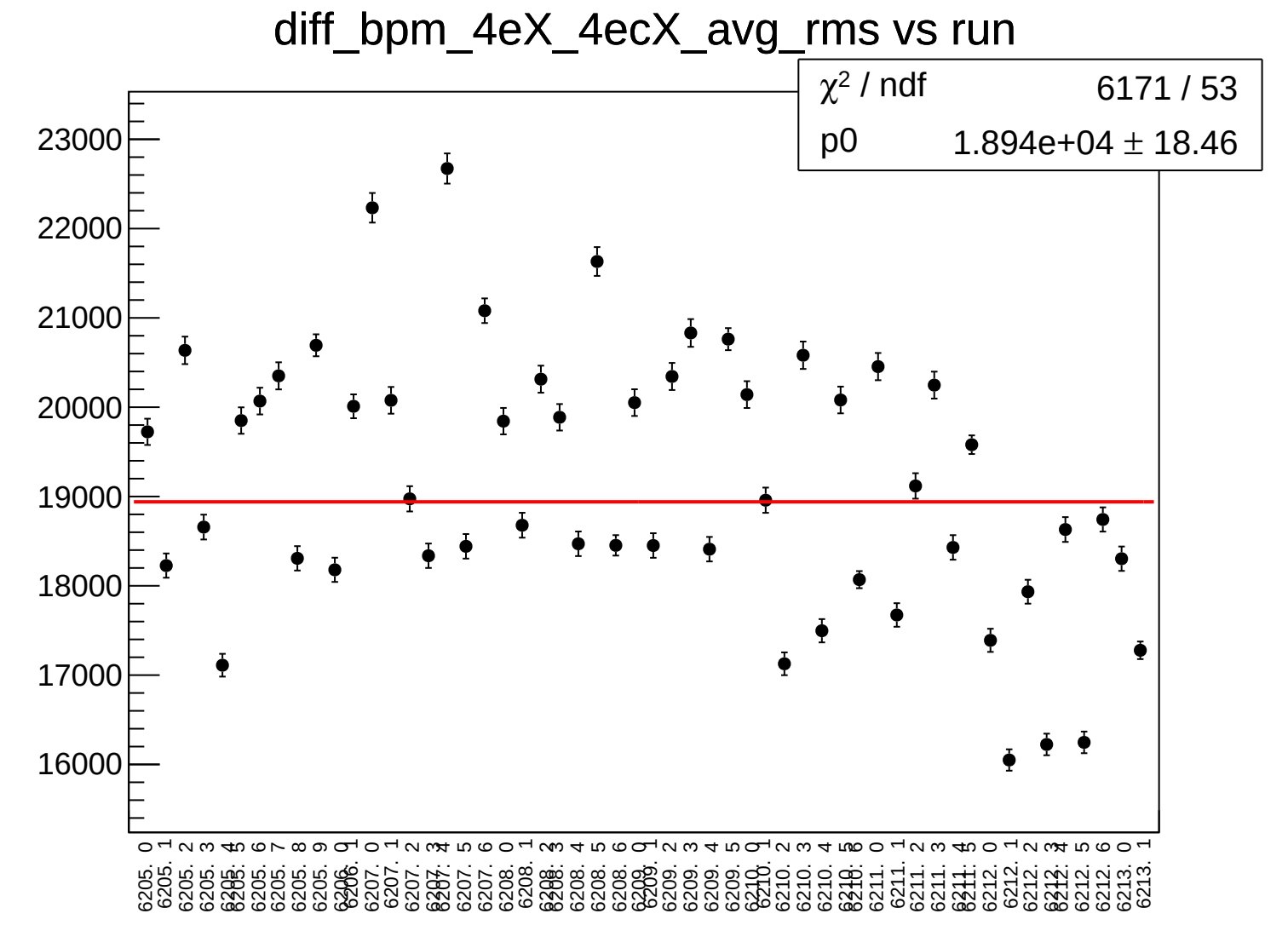

diff_bpm_4aX_4ecX_dd_mean vs run
χ² / ndf 42.96 / 53
p0 −0.3999 ± 1.847
pull
Entries 54
Mean 22.45
Std Dev 0

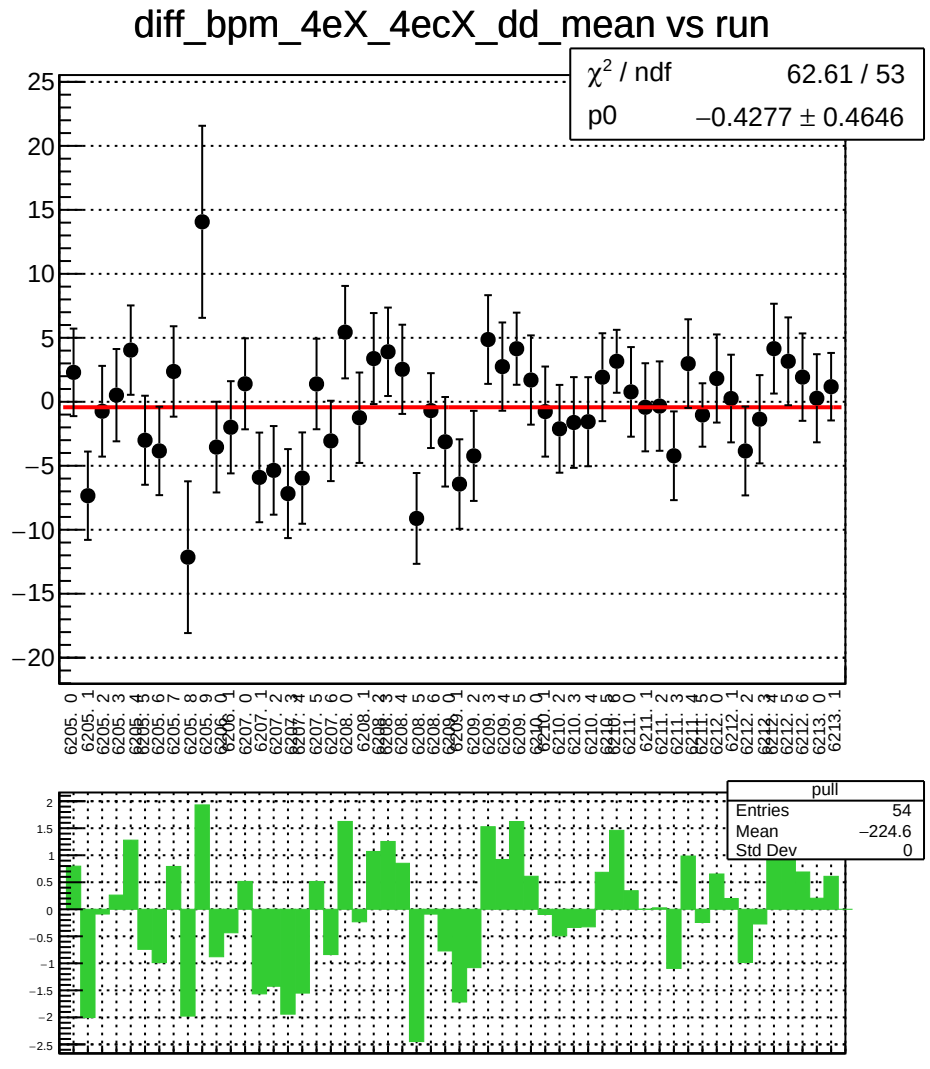

pull1D
Entries 54
Mean 0.005017
Std Dev 0.8919

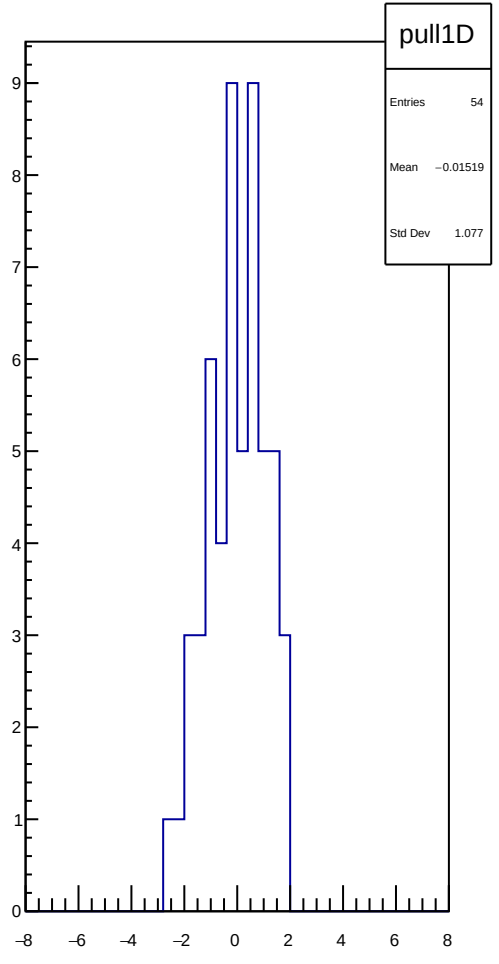

diff_bpm_4aX_4ecX_dd_rms vs run
χ² / ndf 7234 / 53
p0 1340 ± 1.306
1700
1600
1500
1400
1300
1200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

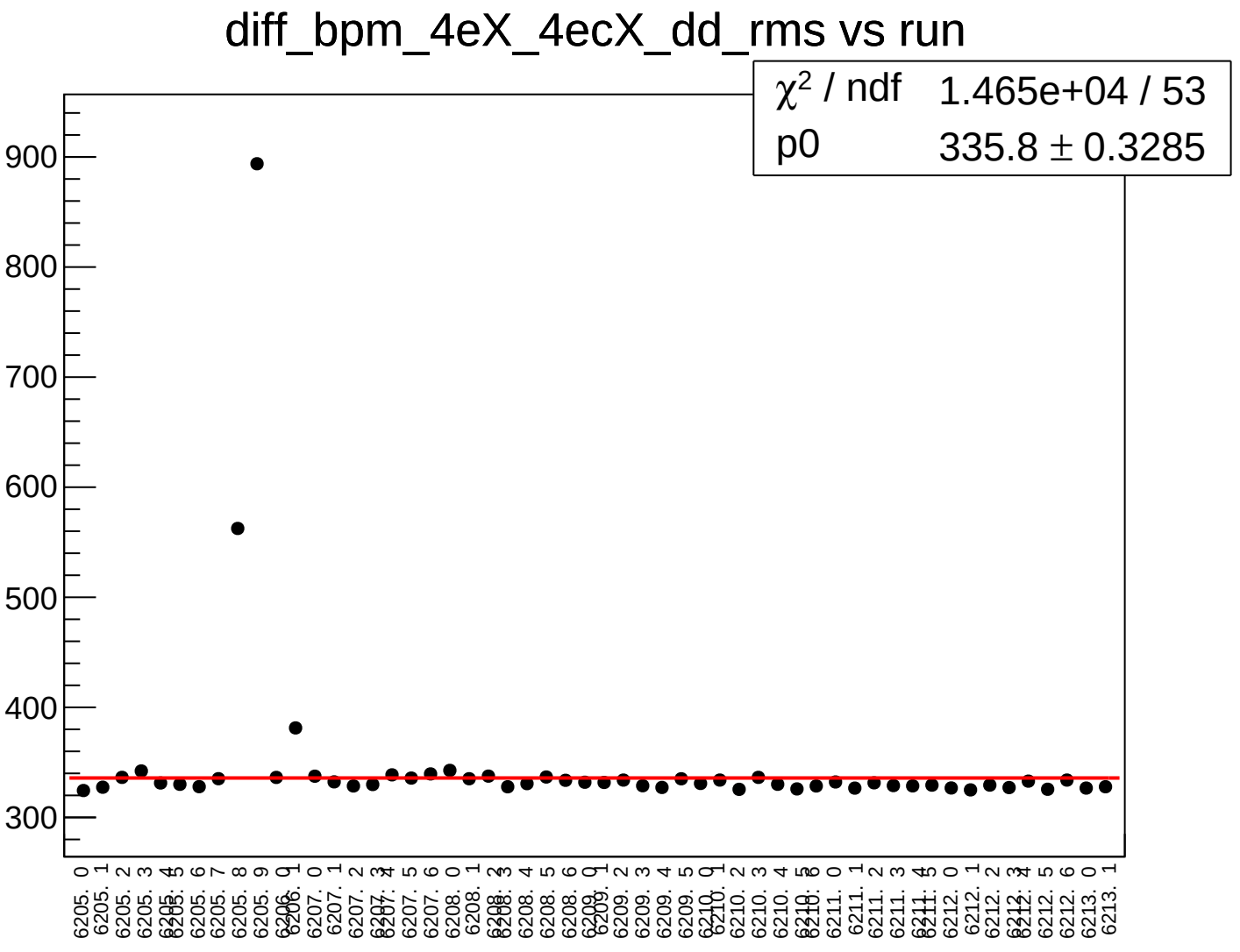

diff_bpm_4eX_4ecX_avg_mean vs run
χ² / ndf 41.15 / 53
p0 3.028 ± 26.1
pull
Entries 54
Mean 6.993
Std Dev 0

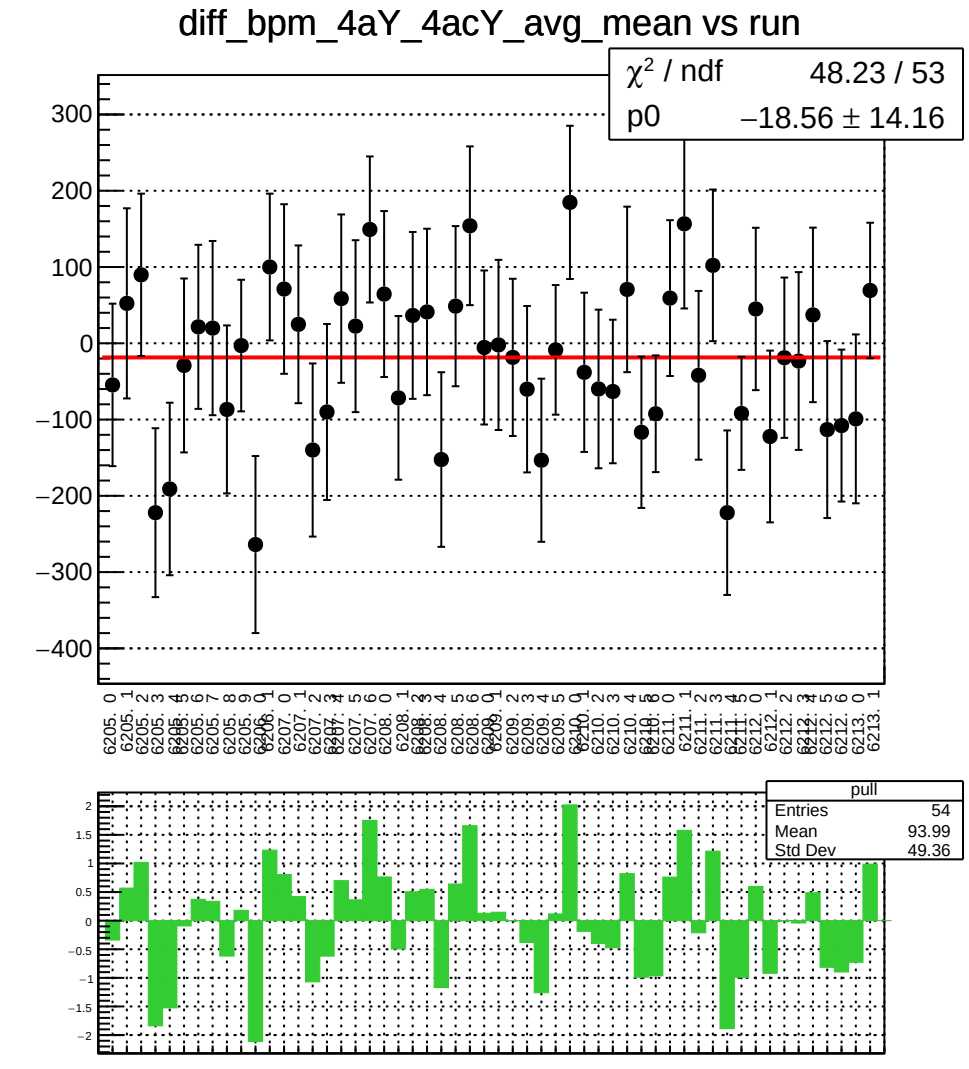

pull1D
Entries 54
Mean 0.02929
Std Dev 0.8724

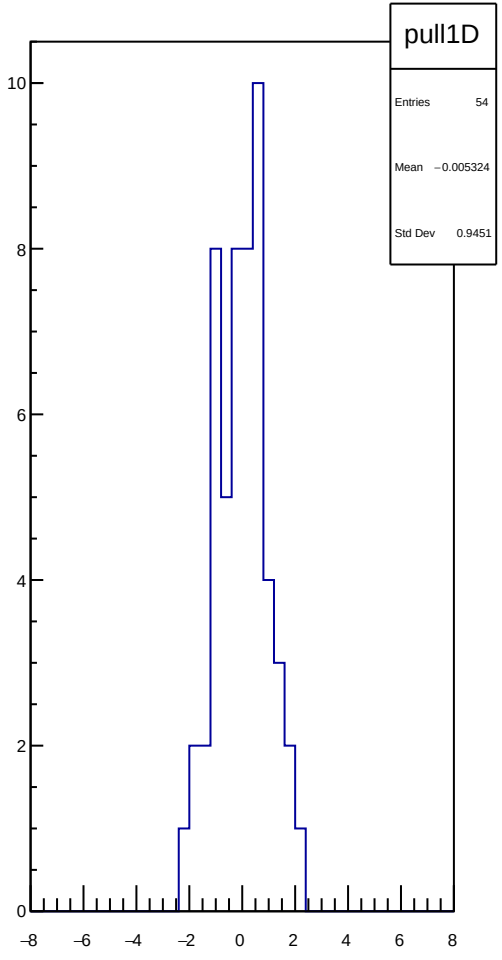

diff_bpm_4eX_4ecX_avg_rms vs run
χ² / ndf 6171 / 53
p0 1.894e+04 ± 18.46
23000
22000
21000
20000
19000
18000
17000
16000

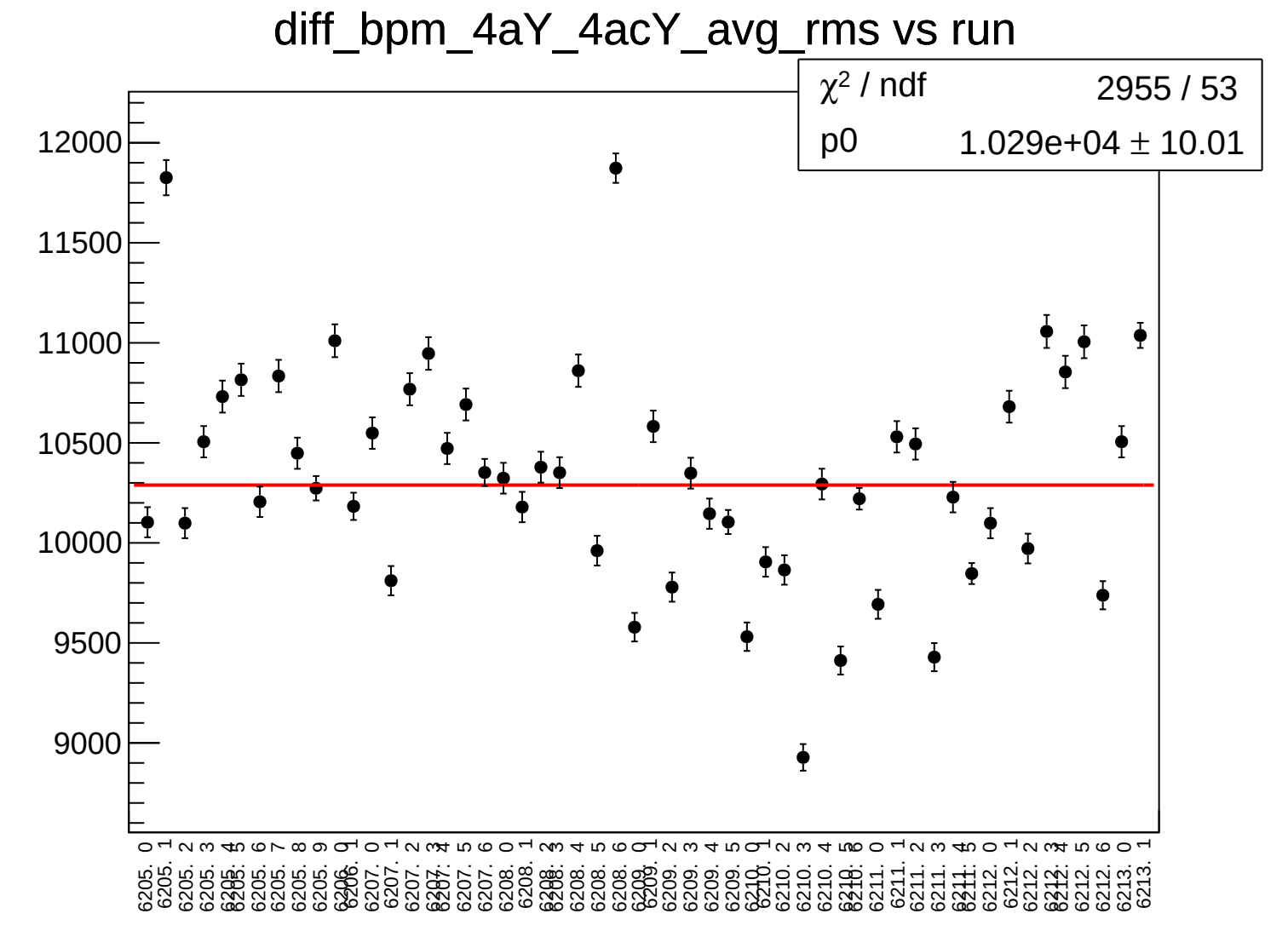

diff_bpm_4eX_4ecX_dd_mean vs run
χ² / ndf 62.61 / 53
p0 −0.4277 ± 0.4646
pull
Entries 54
Mean −224.6
Std Dev 0

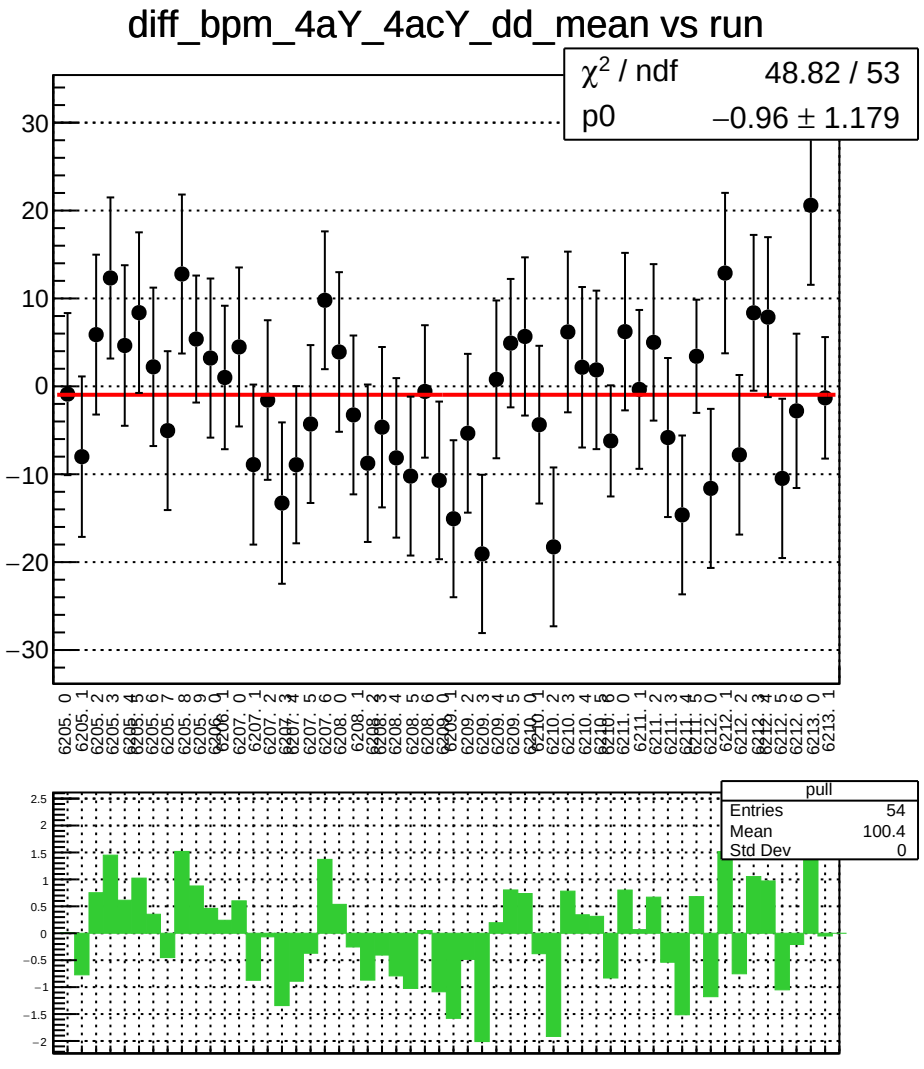

pull1D
Entries 54
Mean −0.01519
Std Dev 1.077

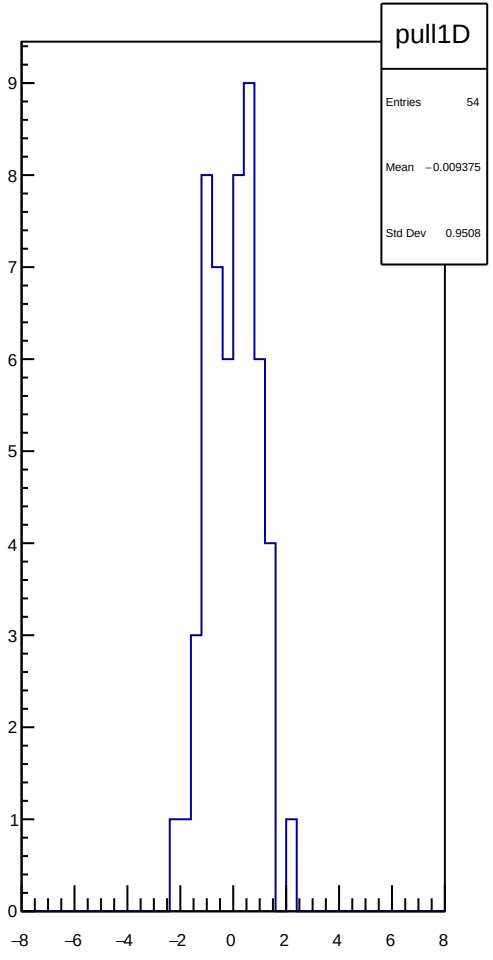

diff_bpm_4eX_4ecX_dd_rms vs run
χ² / ndf 1.465e+04 / 53
p0 335.8 ± 0.3285
900
800
700
600
500
400
300
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 1
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

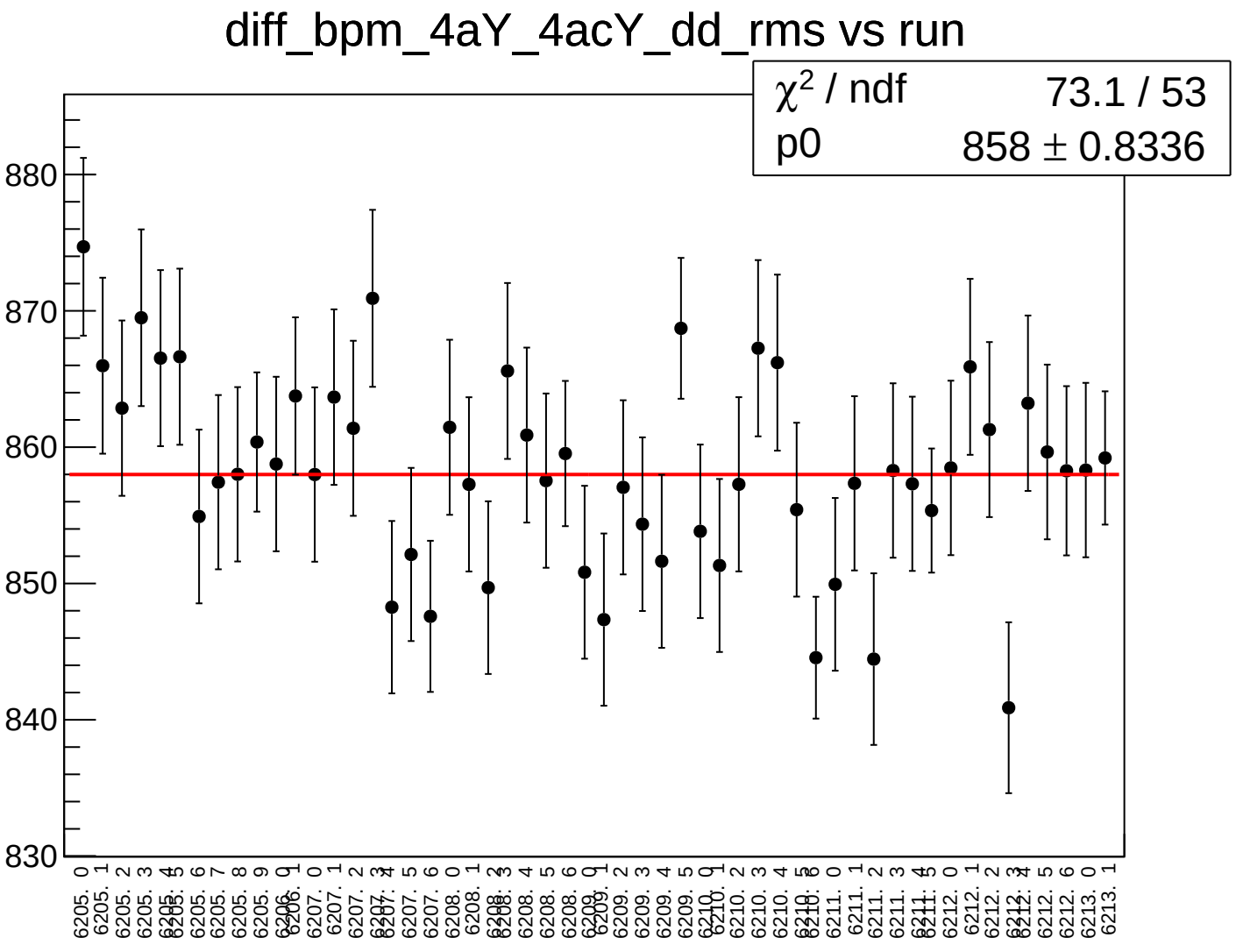

diff_bpm_4aY_4acY_avg_mean vs run
χ² / ndf 48.23 / 53
p0 −18.56 ± 14.16
pull
Entries 54
Mean 93.99
Std Dev 49.36

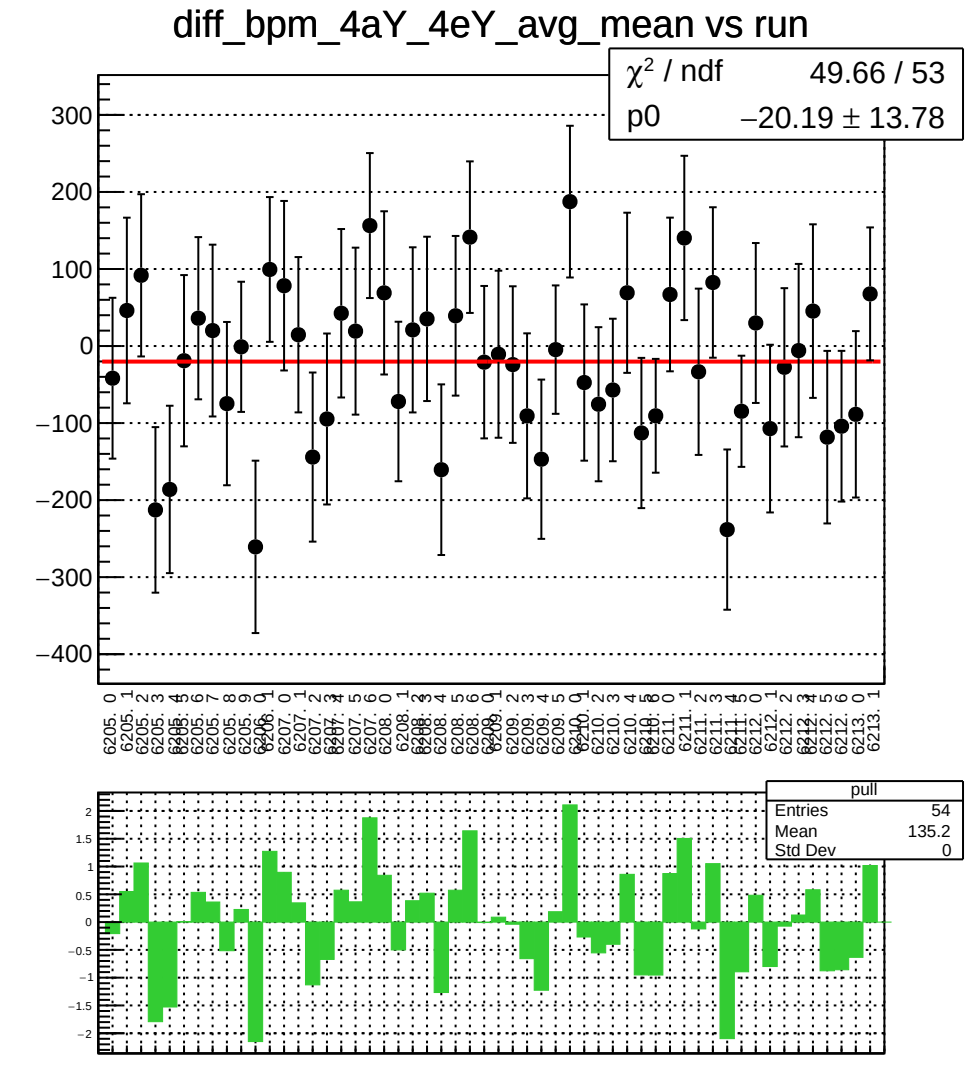

pull1D
Entries 54
Mean −0.005324
Std Dev 0.9451

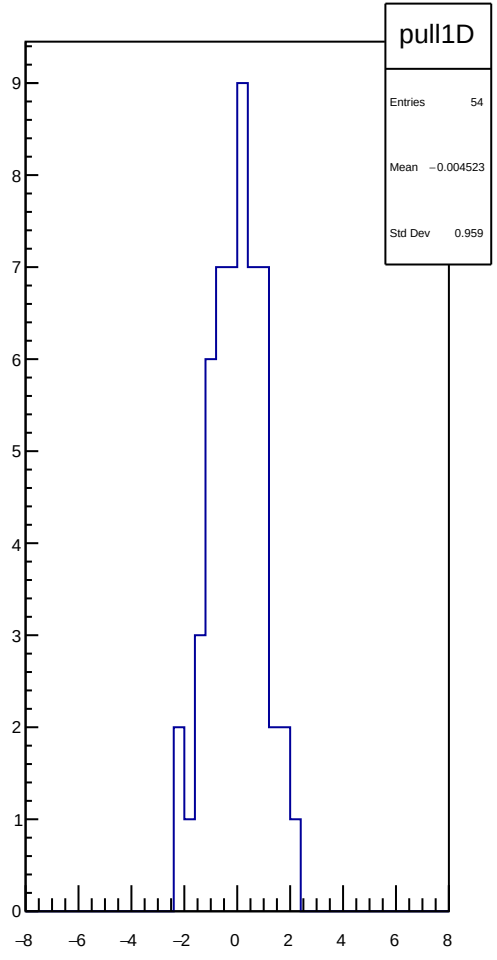

diff_bpm_4aY_4acY_avg_rms vs run
χ² / ndf 2955 / 53
p0 1.029e+04 ± 10.01
12000
11500
11000
10500
10000
9500
9000
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

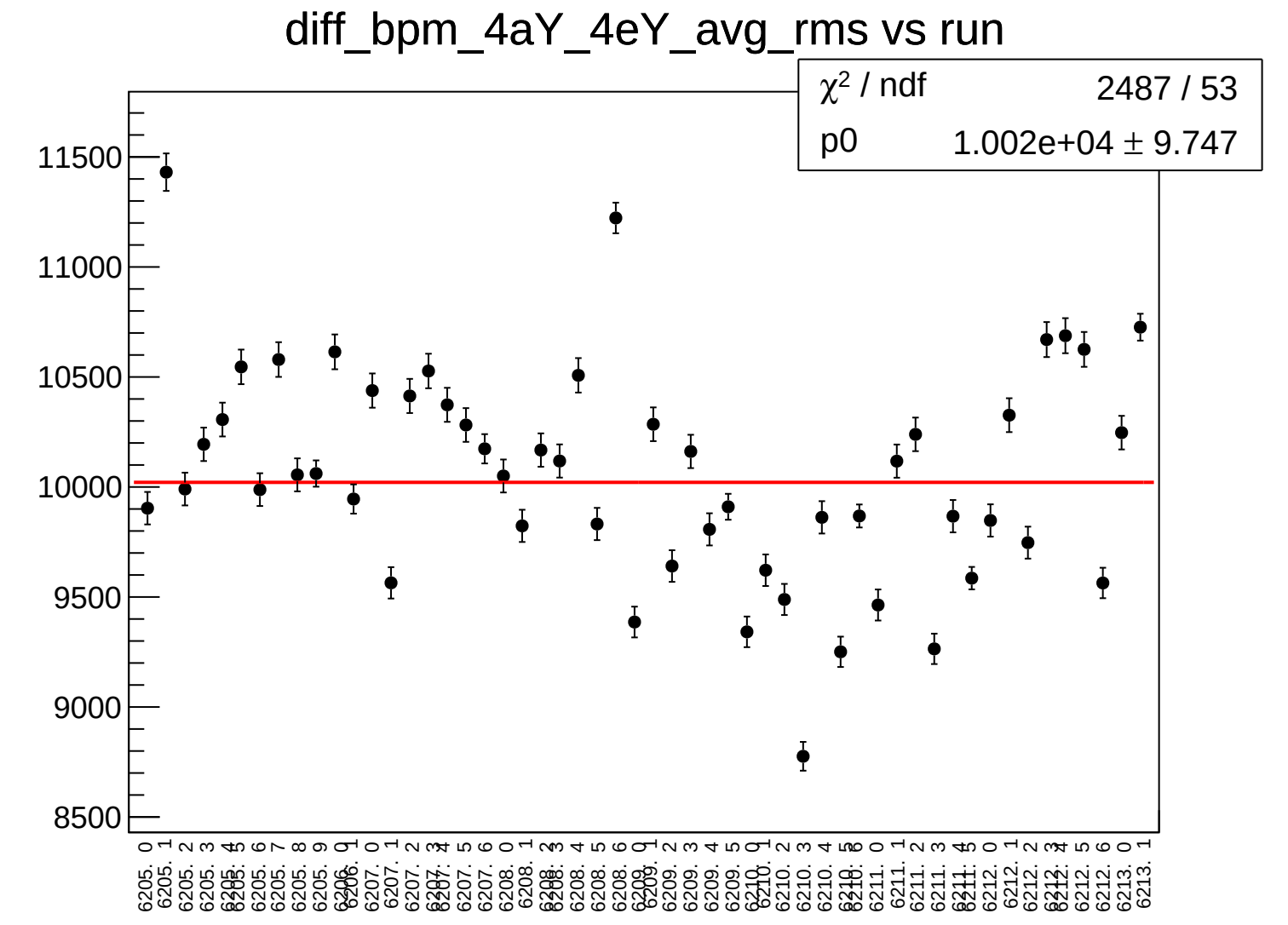

diff_bpm_4aY_4acY_dd_mean vs run
χ² / ndf 48.82 / 53
p0 −0.96 ± 1.179
pull
Entries 54
Mean 100.4
Std Dev 0

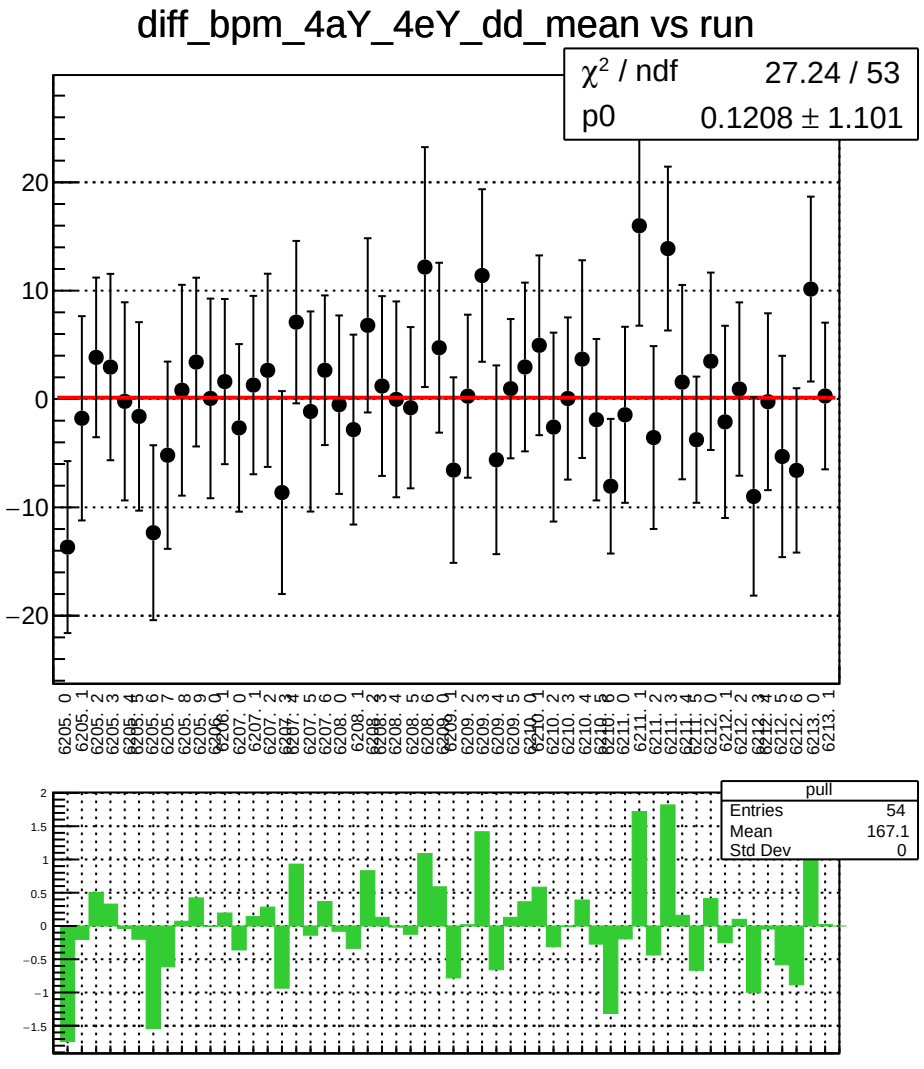

pull1D
Entries 54
Mean −0.009375
Std Dev 0.9508

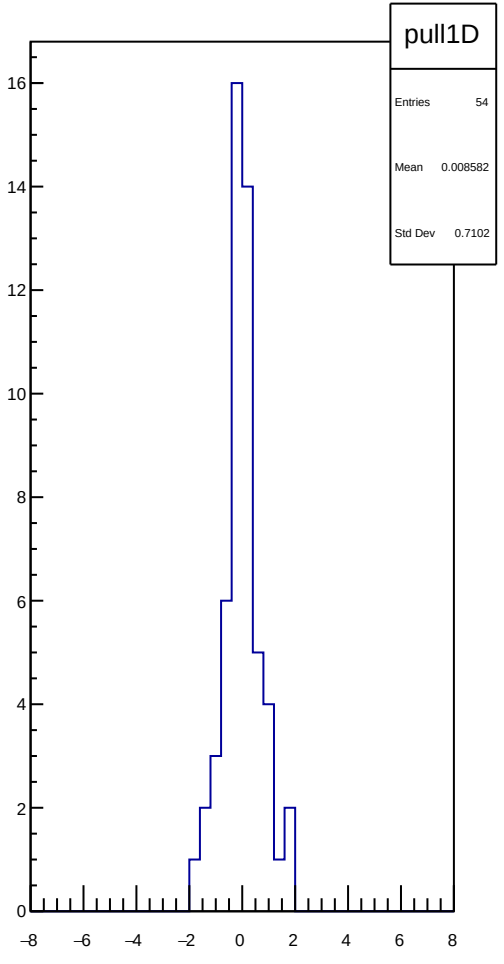

diff_bpm_4aY_4acY_dd_rms vs run
χ² / ndf 73.1 / 53
p0 858 ± 0.8336
880
870
860
850
840
830
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

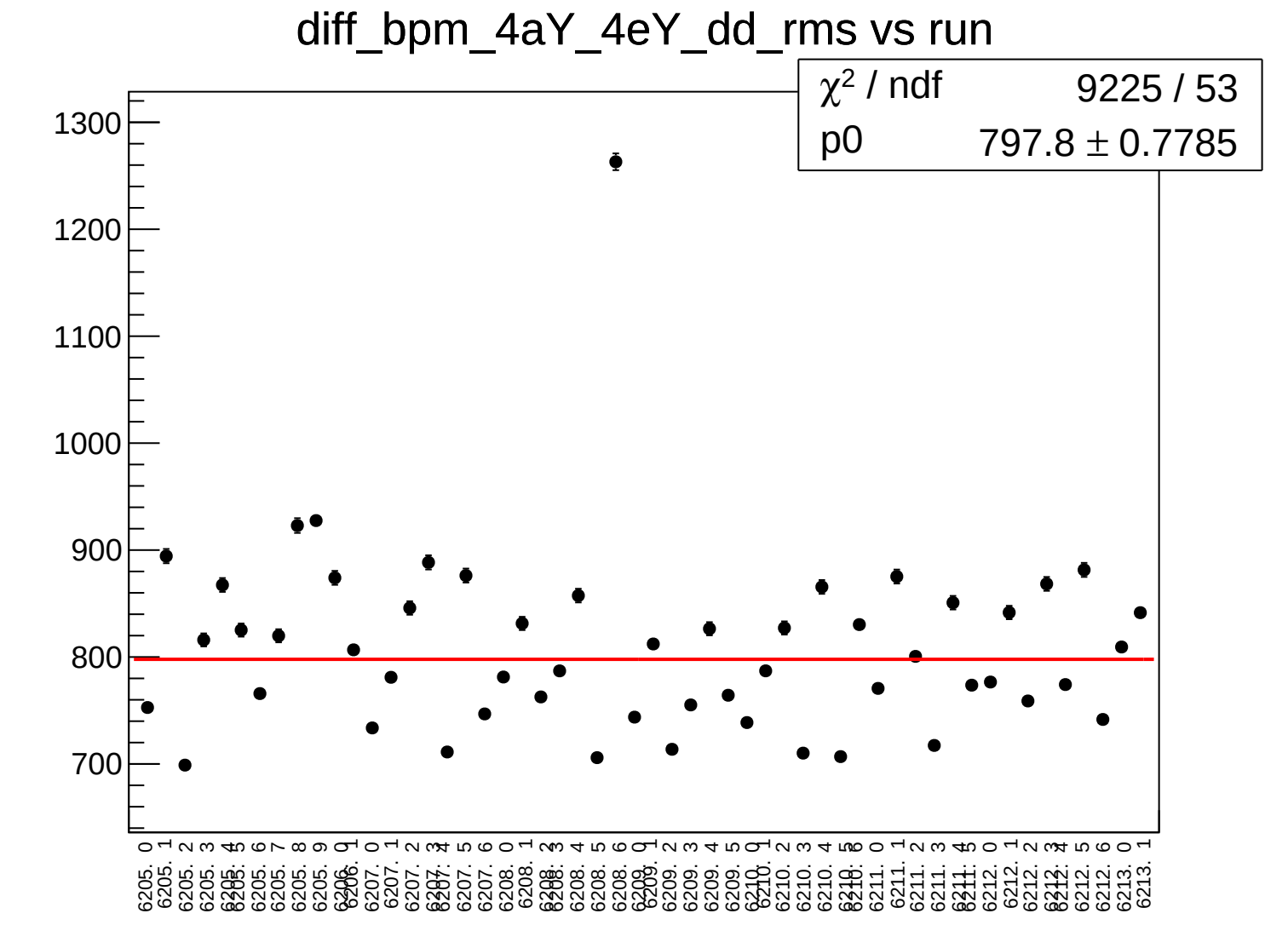

diff_bpm_4aY_4eY_avg_mean vs run
χ² / ndf 49.66 / 53
p0 −20.19 ± 13.78
pull
Entries 54
Mean 135.2
Std Dev 0

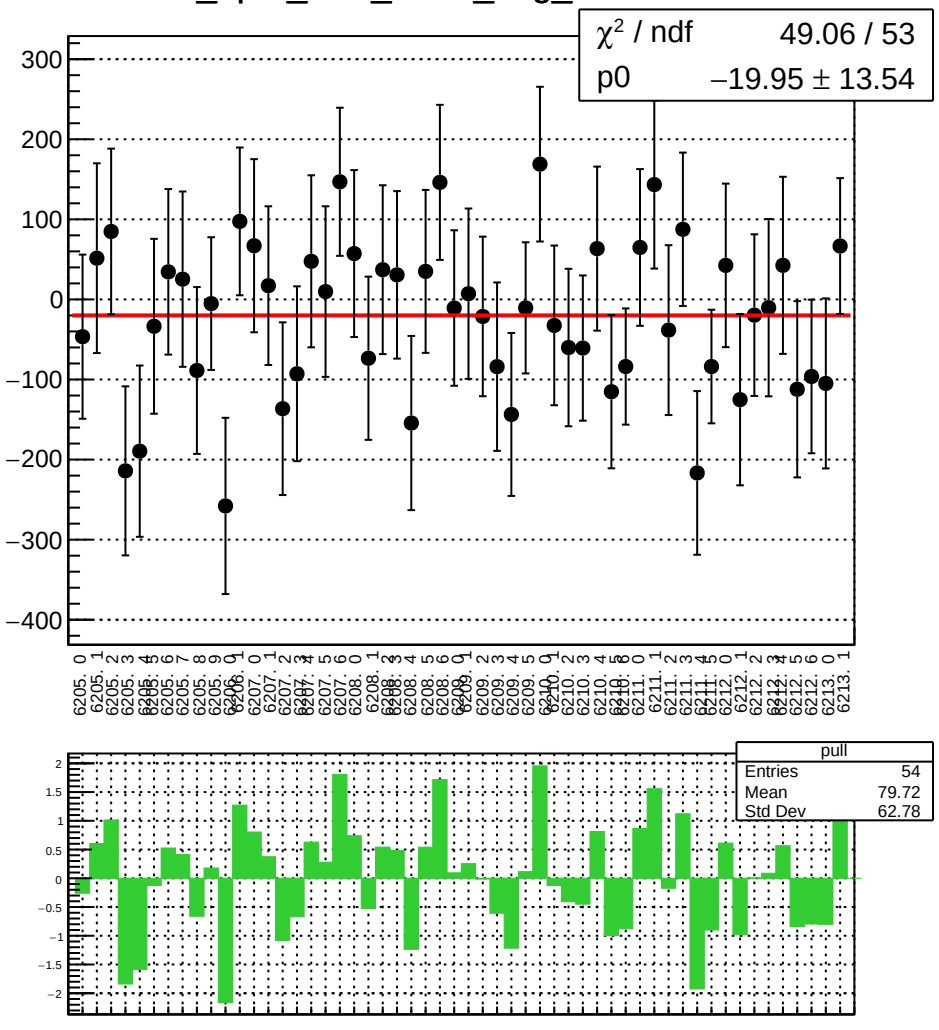

pull1D
Entries 54
Mean −0.004523
Std Dev 0.959

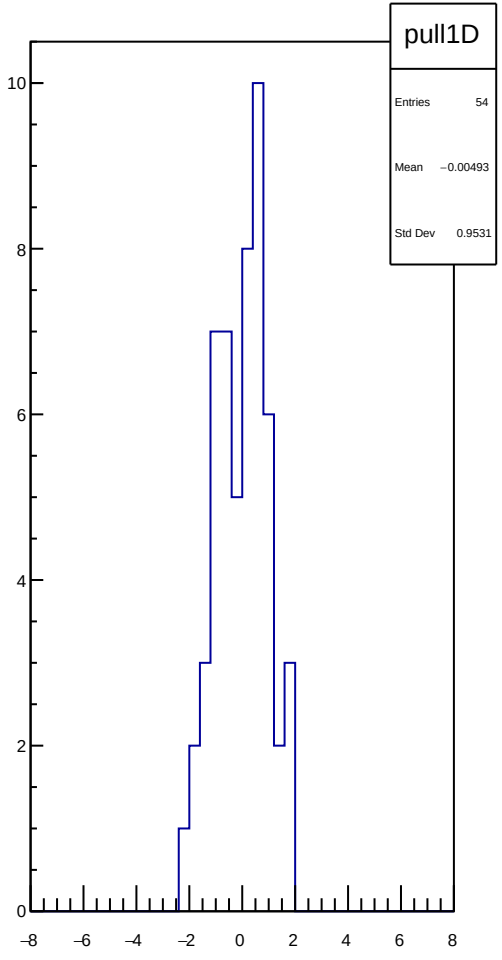

diff_bpm_4aY_4eY_avg_rms vs run
χ² / ndf 2487 / 53
p0 1.002e+04 ± 9.747
11500
11000
10500
10000
9500
9000
8500

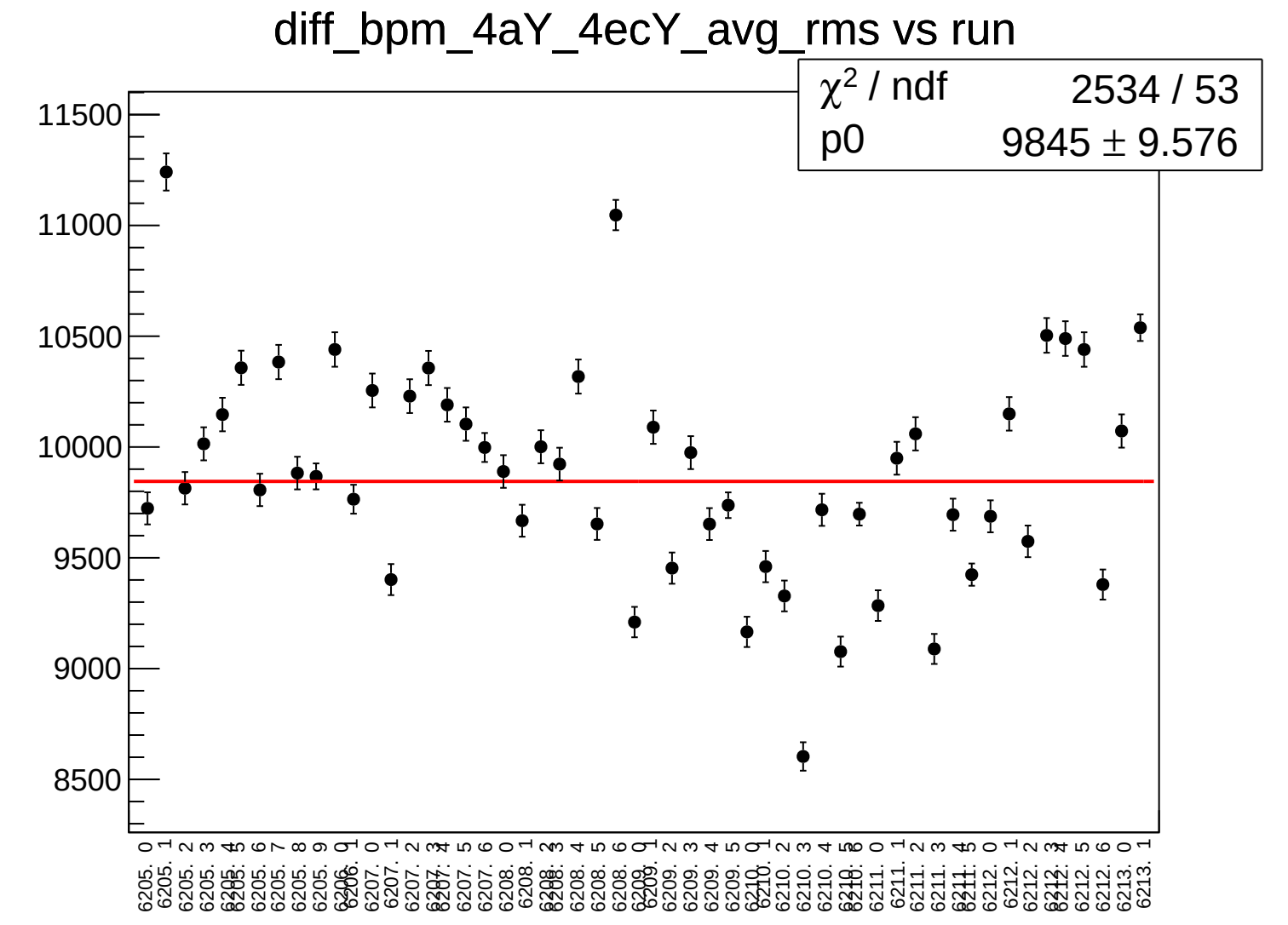

diff_bpm_4aY_4eY_dd_mean vs run
χ² / ndf 27.24 / 53
p0 0.1208 ± 1.101
pull
Entries 54
Mean 167.1
Std Dev 0

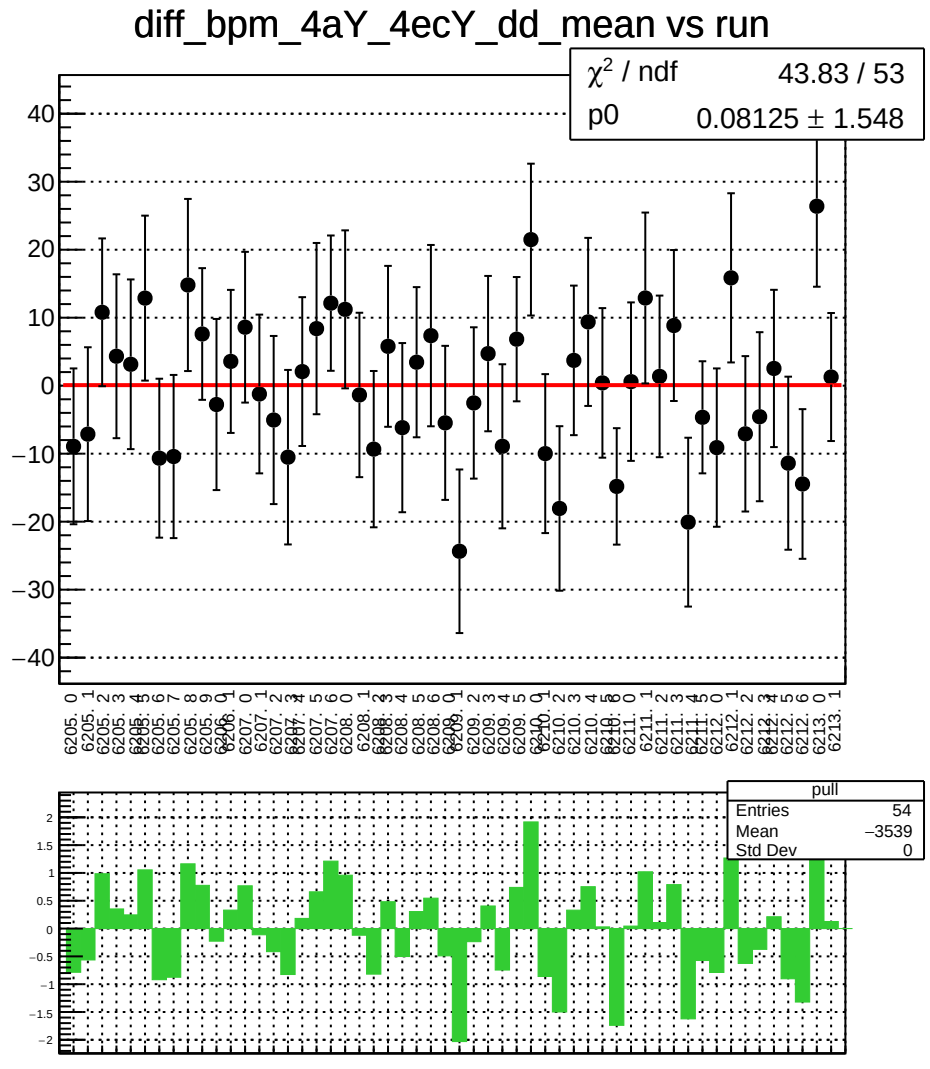

pull1D
Entries 54
Mean 0.008582
Std Dev 0.7102

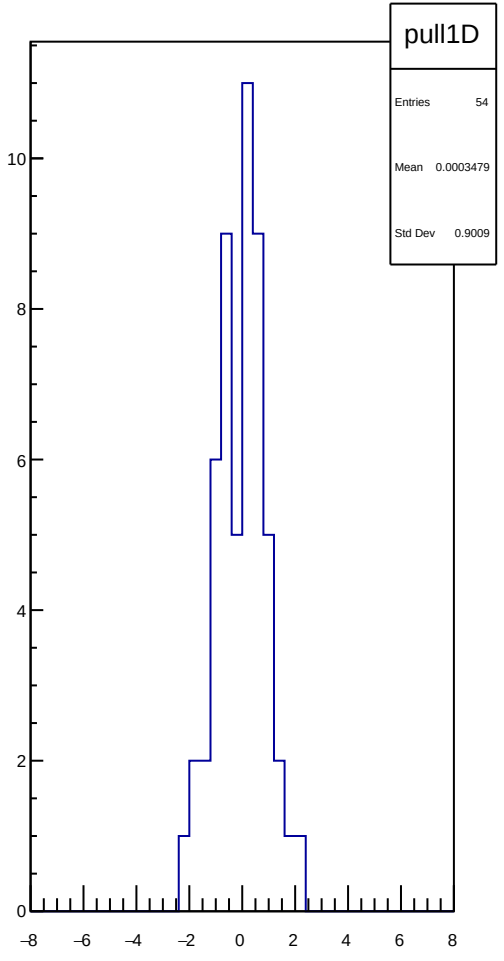

diff_bpm_4aY_4eY_dd_rms vs run
χ² / ndf 9225 / 53
p0 797.8 ± 0.7785
1300
1200
1100
1000
900
800
700
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

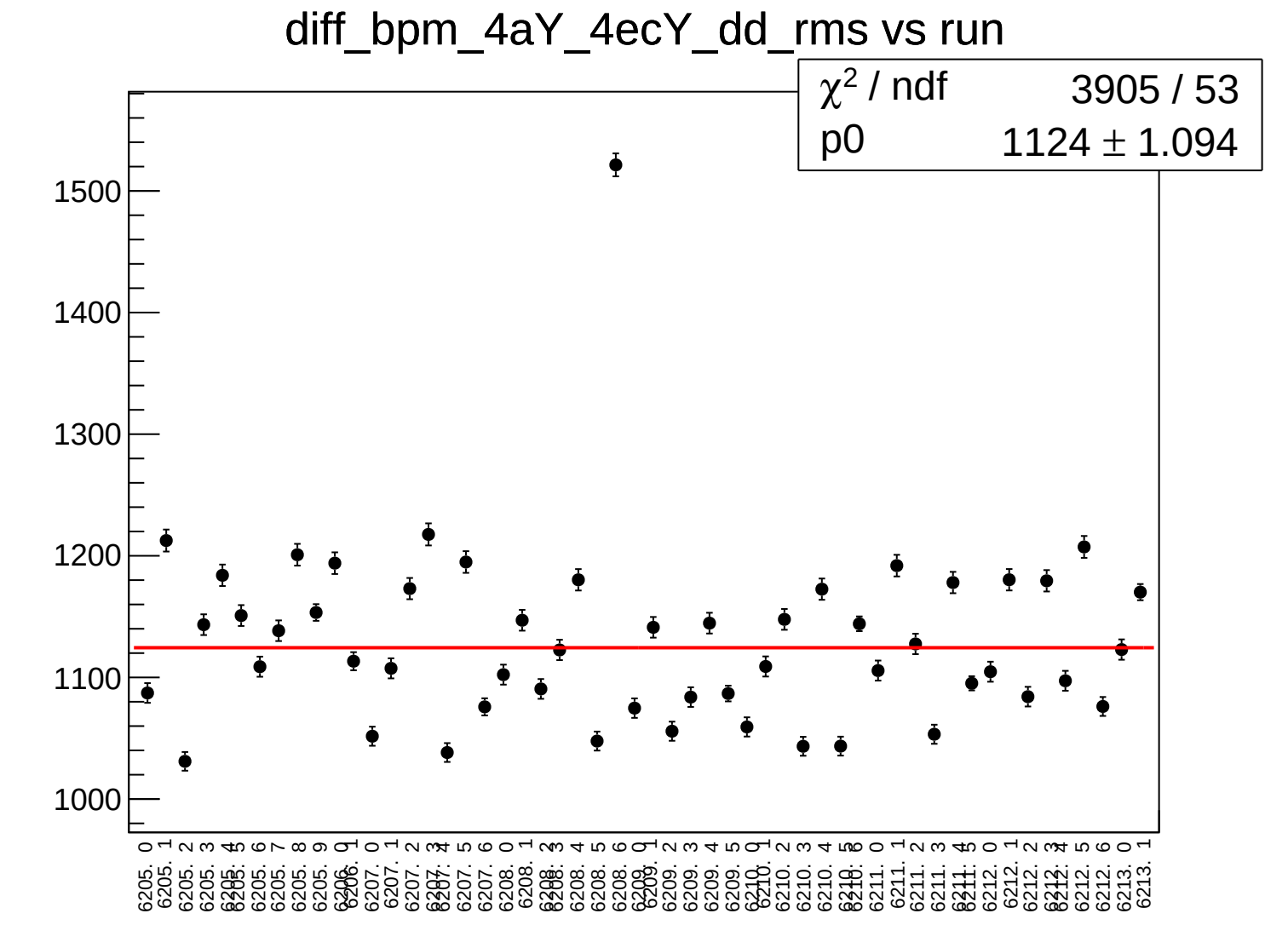

diff_bpm_4aY_4ecY_avg_mean vs run
χ² / ndf 49.06 / 53
p0 −19.95 ± 13.54
pull
Entries 54
Mean 79.72
Std Dev 62.78

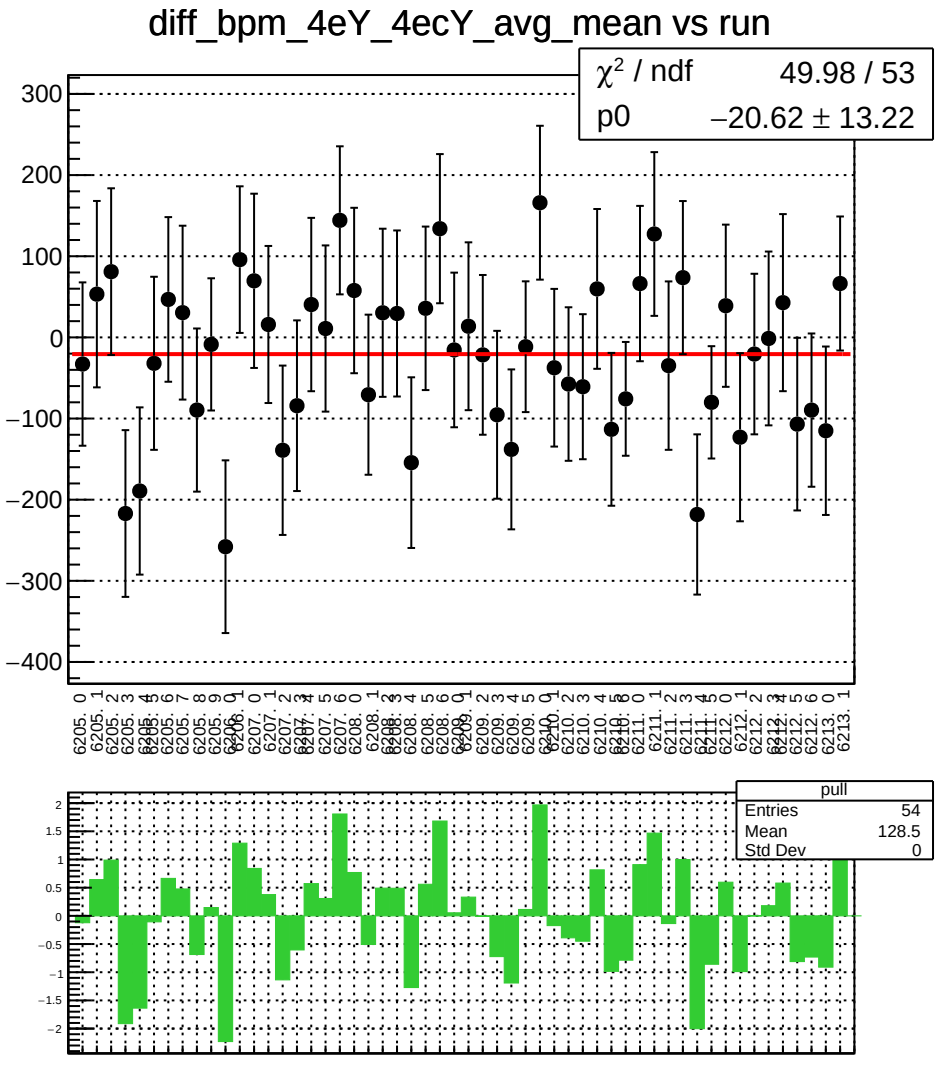

pull1D
Entries 54
Mean −0.00493
Std Dev 0.9531

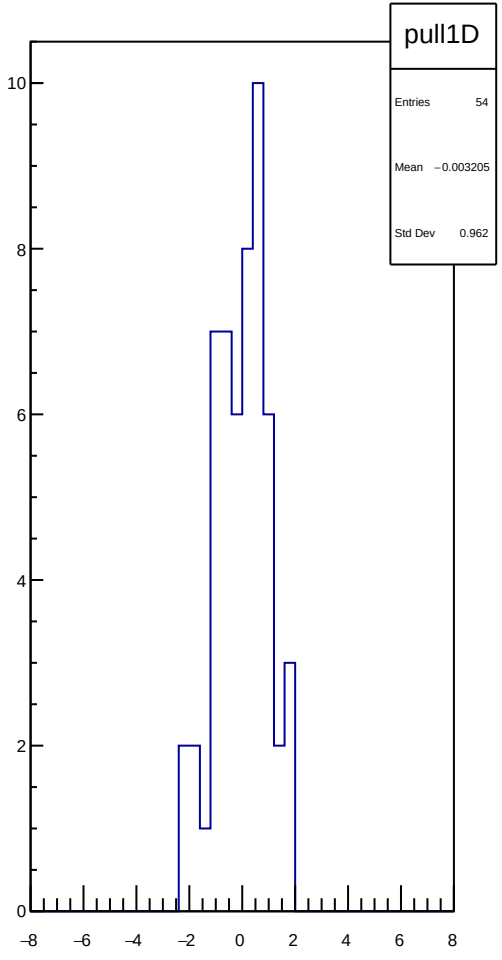

diff_bpm_4aY_4ecY_avg_rms vs run
χ² / ndf 2534 / 53
p0 9845 ± 9.576
11500
11000
10500
10000
9500
9000
8500
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

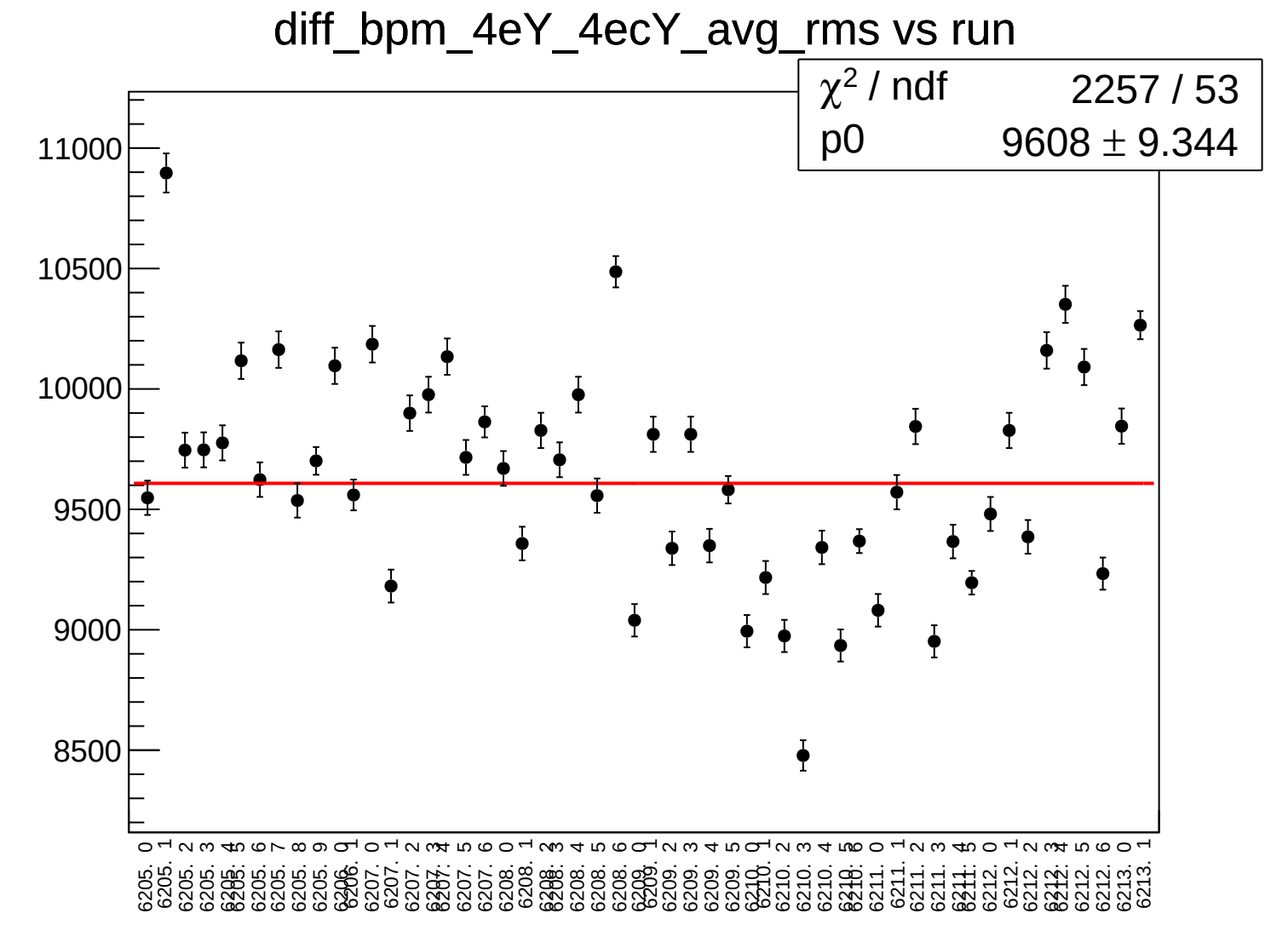

diff_bpm_4aY_4ecY_dd_mean vs run
χ² / ndf 43.83 / 53
p0 0.08125 ± 1.548
pull
Entries 54
Mean −3539
Std Dev 0

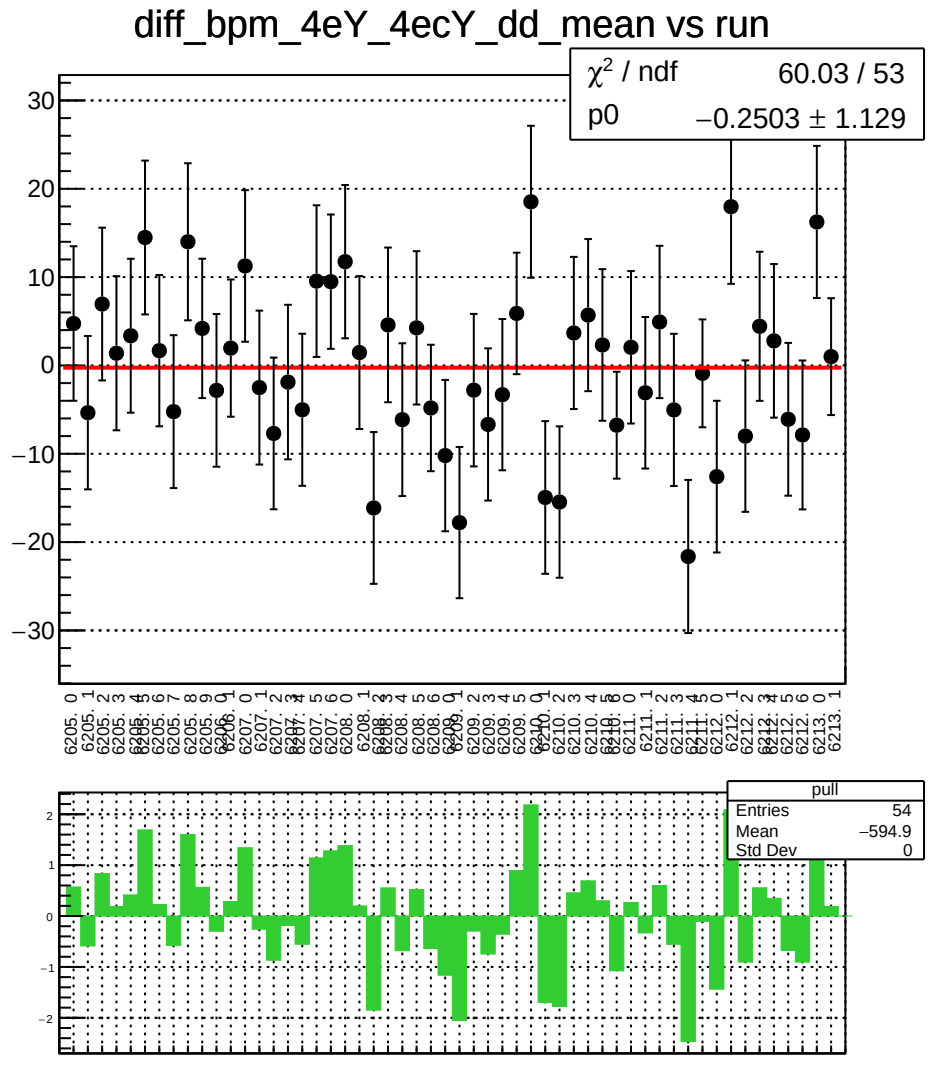

pull1D
Entries 54
Mean 0.0003479
Std Dev 0.9009

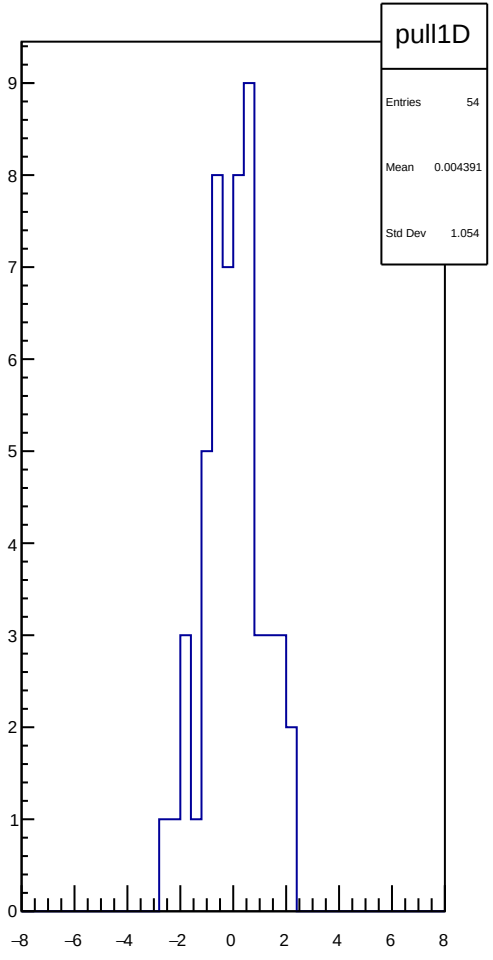

diff_bpm_4aY_4ecY_dd_rms vs run
χ² / ndf 3905 / 53
p0 1124 ± 1.094
1500
1400
1300
1200
1100
1000
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

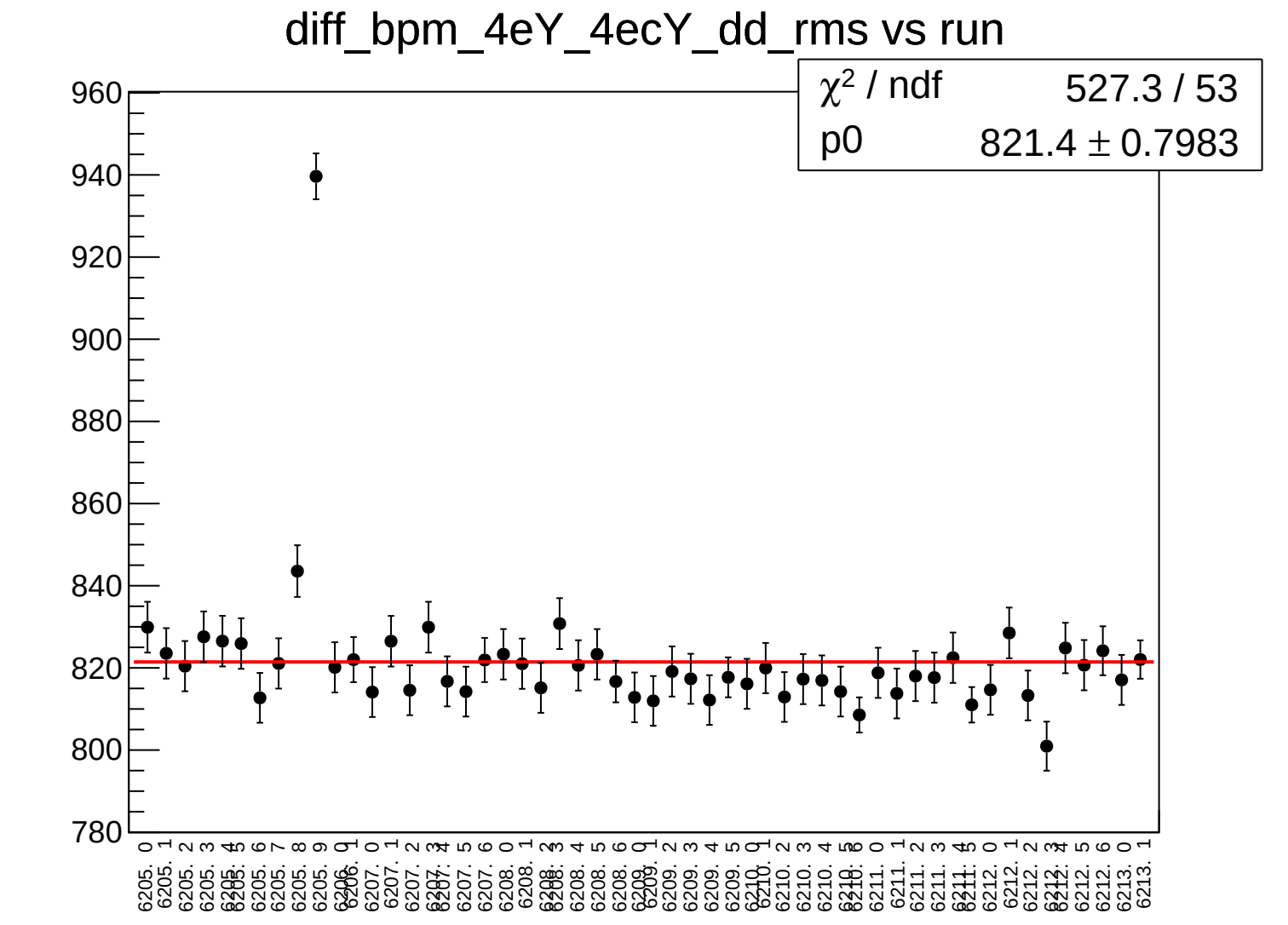

diff_bpm_4eY_4ecY_avg_mean vs run
χ² / ndf 49.98 / 53
p0 −20.62 ± 13.22
pull
Entries 54
Mean 128.5
Std Dev 0

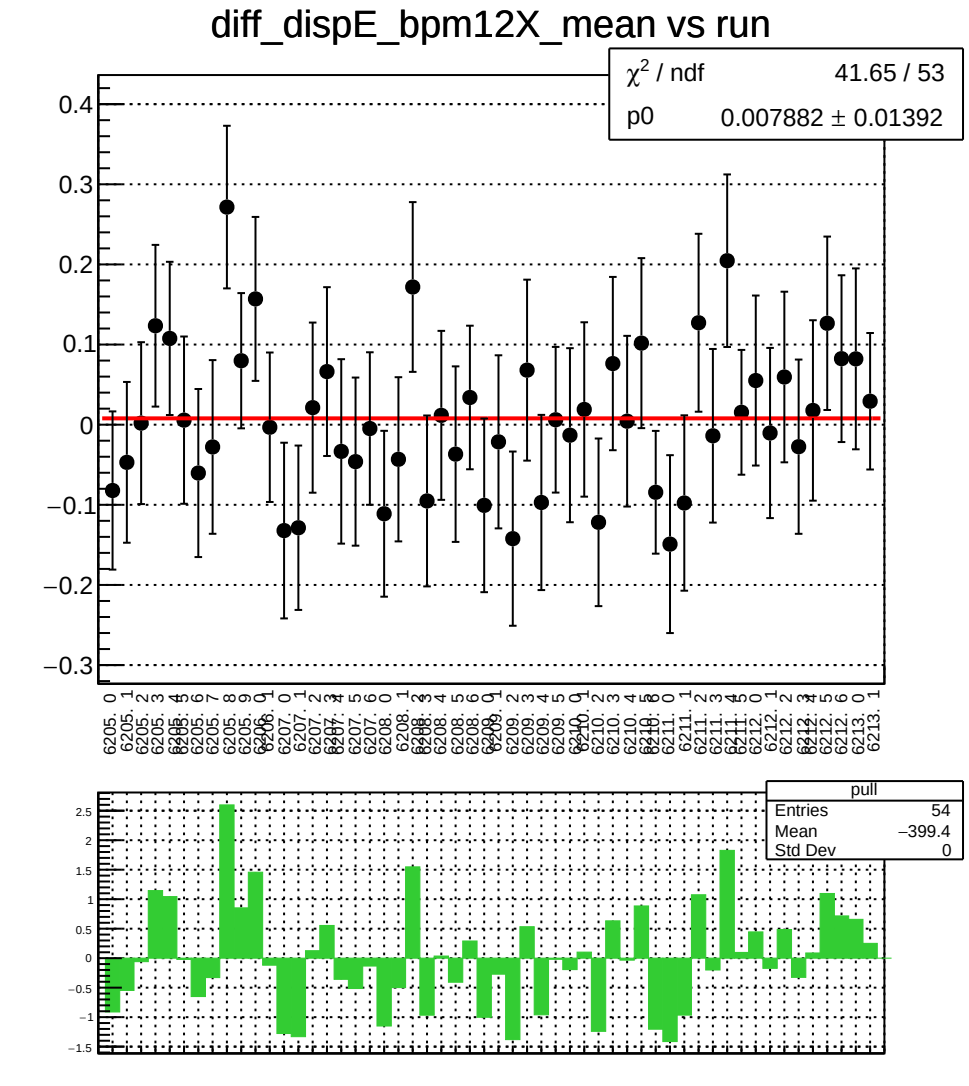

pull1D
Entries 54
Mean −0.003205
Std Dev 0.962

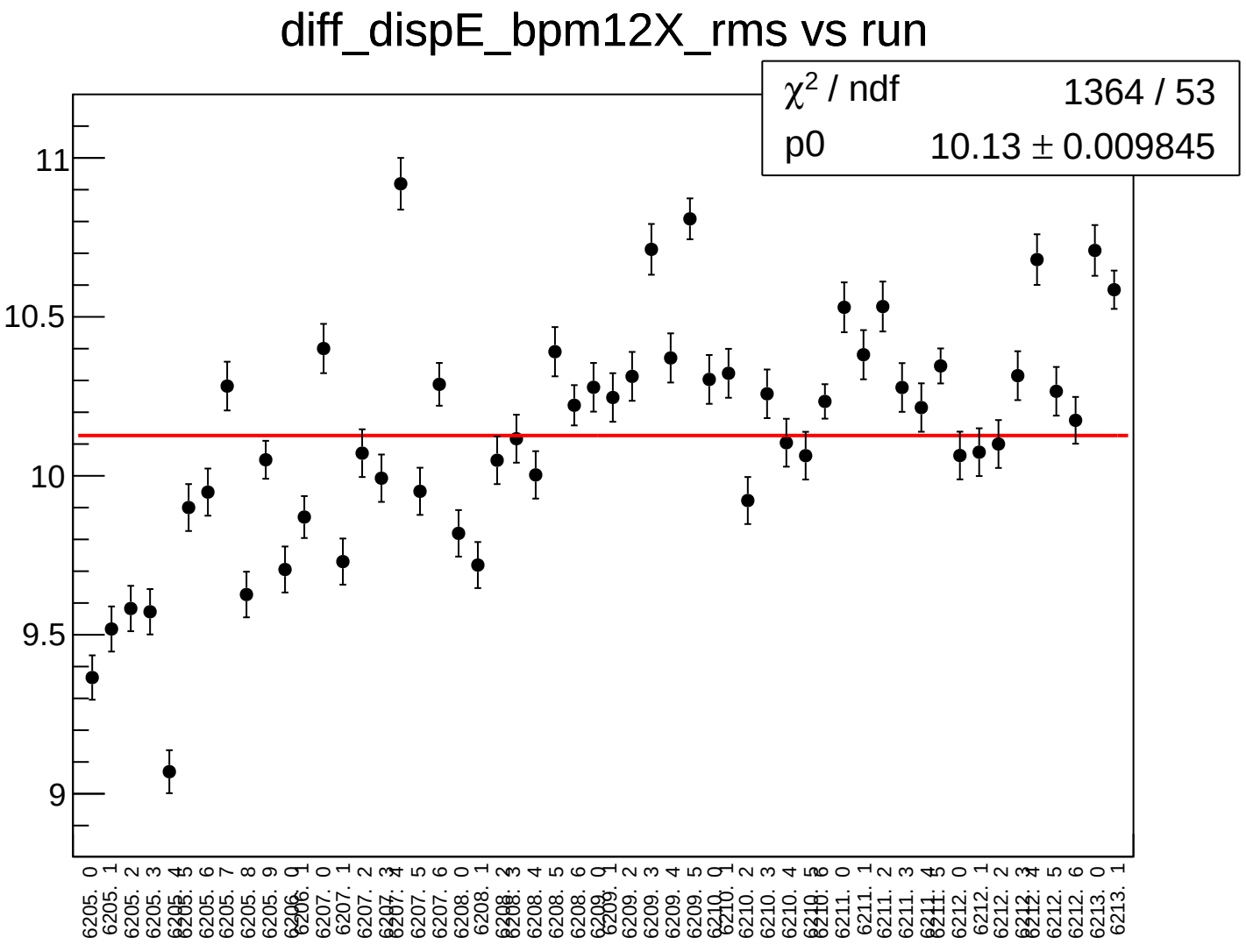

diff_bpm_4eY_4ecY_avg_rms vs run
χ² / ndf 2257 / 53
p0 9608 ± 9.344
11000
10500
10000
9500
9000
8500
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

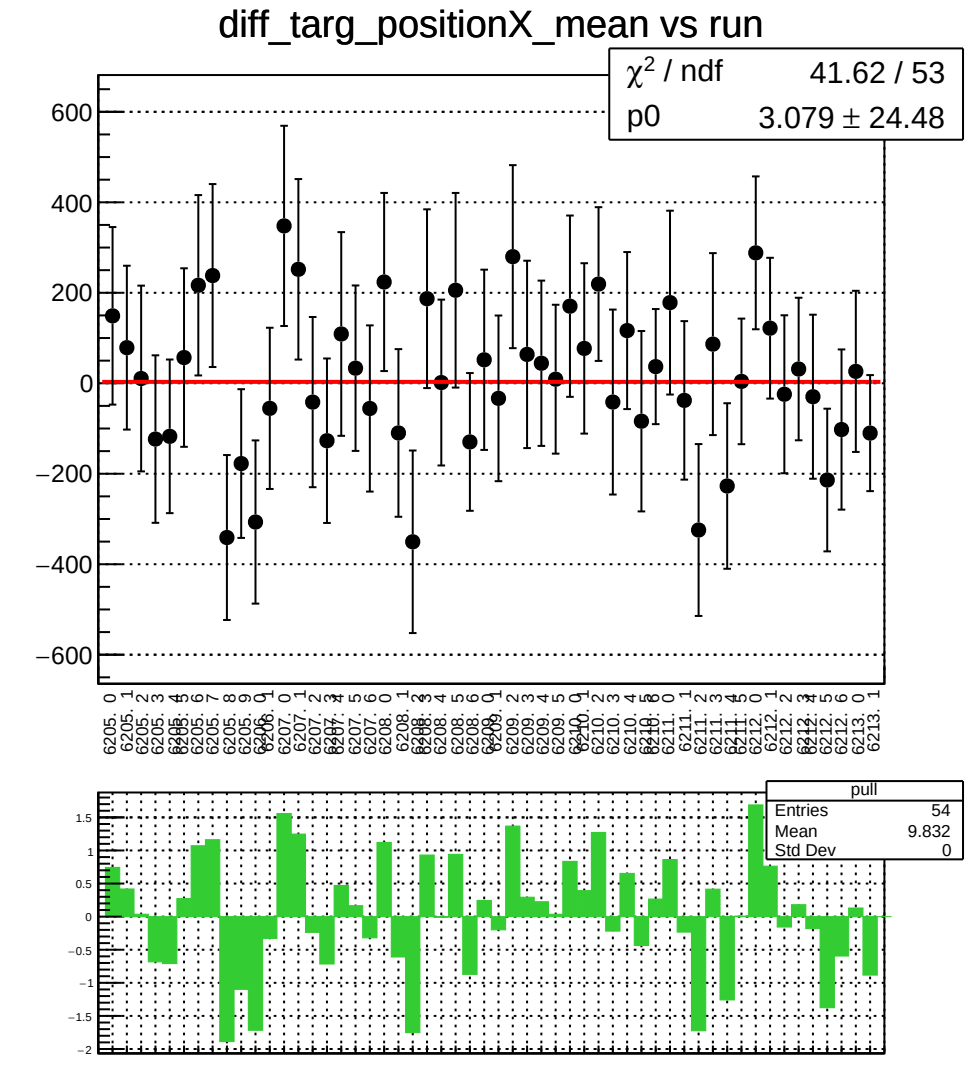

diff_bpm_4eY_4ecY_dd_mean vs run
χ² / ndf 60.03 / 53
p0 −0.2503 ± 1.129
pull
Entries 54
Mean −594.9
Std Dev 0

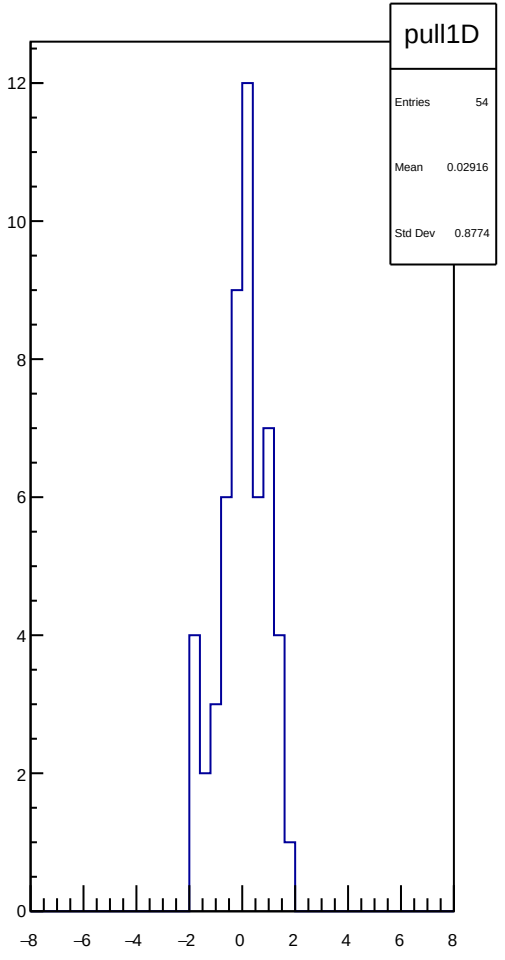

pull1D
Entries 54
Mean 0.004391
Std Dev 1.054

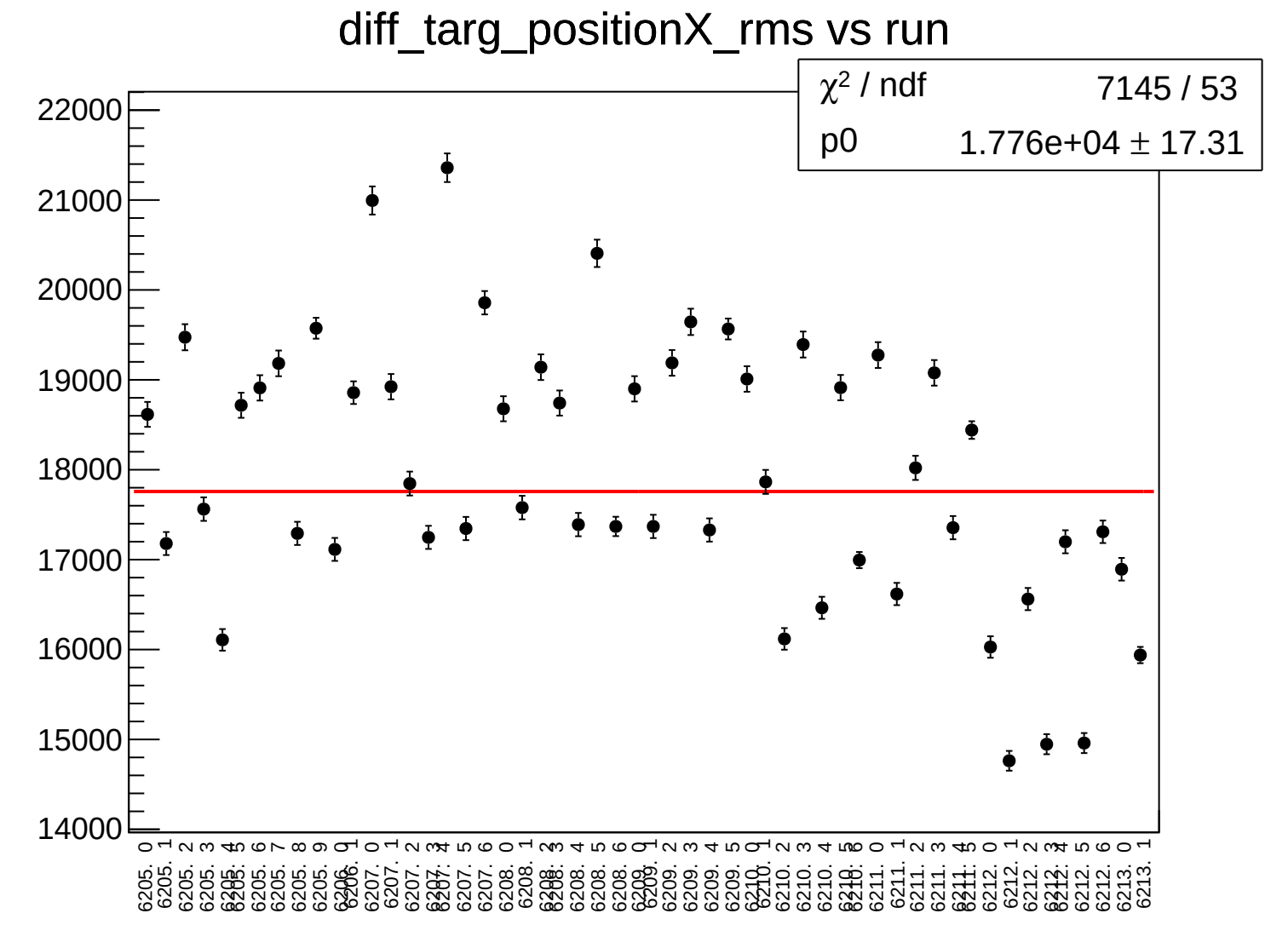

diff_bpm_4eY_4ecY_dd_rms vs run
χ² / ndf 527.3 / 53
p0 821.4 ± 0.7983
960
940
920
900
880
860
840
820
800
780
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

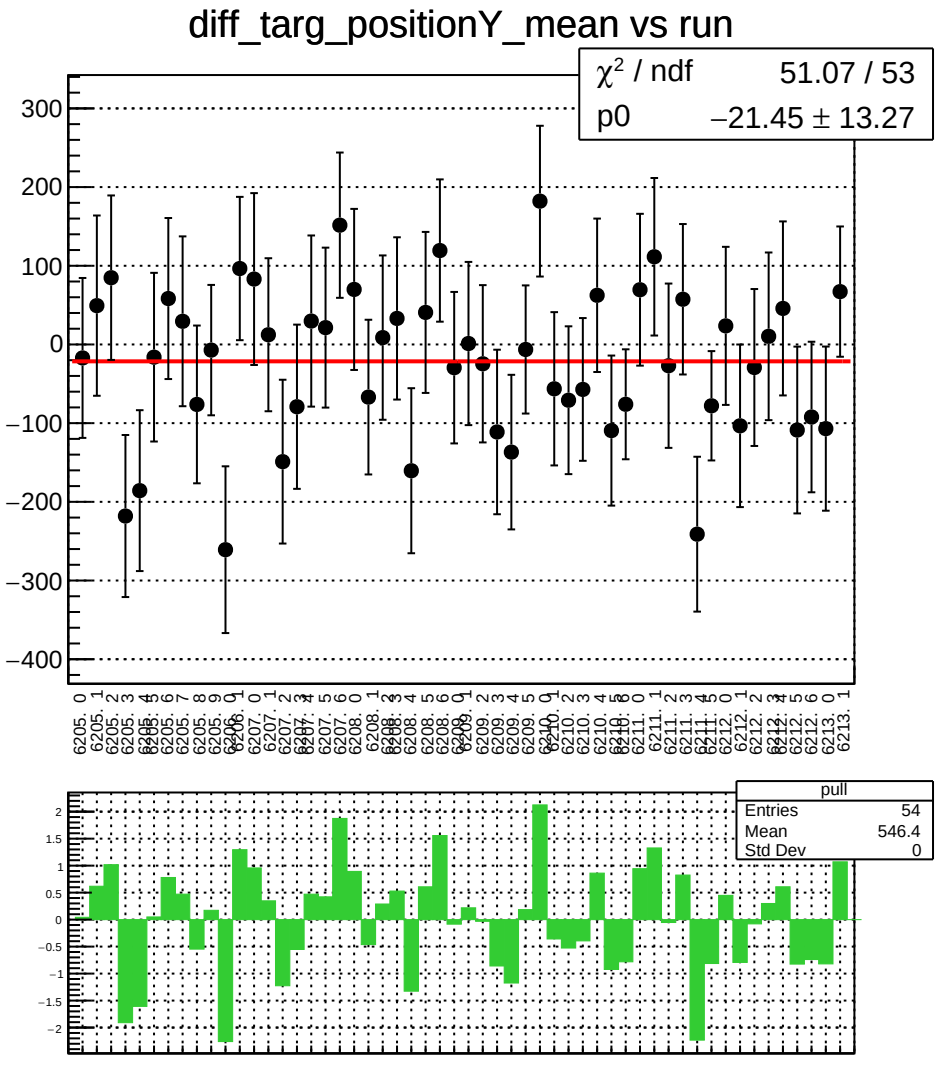

diff_dispE_bpm12X_mean vs run
χ² / ndf 41.65 / 53
p0 0.007882 ± 0.01392
pull
Entries 54
Mean −399.4
Std Dev 0
pull1D
Entries 54
Mean −0.002075
Std Dev 0.8782

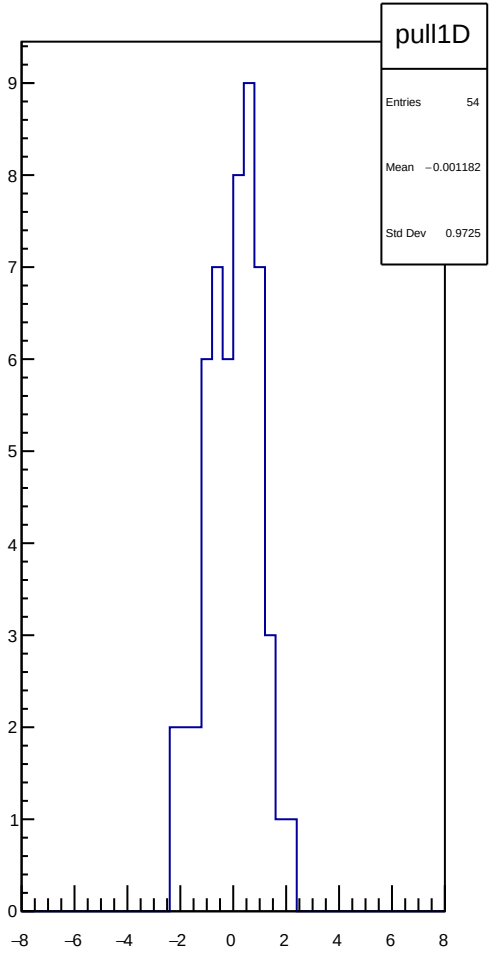

diff_dispE_bpm12X_rms vs run
χ² / ndf 1364 / 53
p0 10.13 ± 0.009845
11
10.5
10
9.5
9

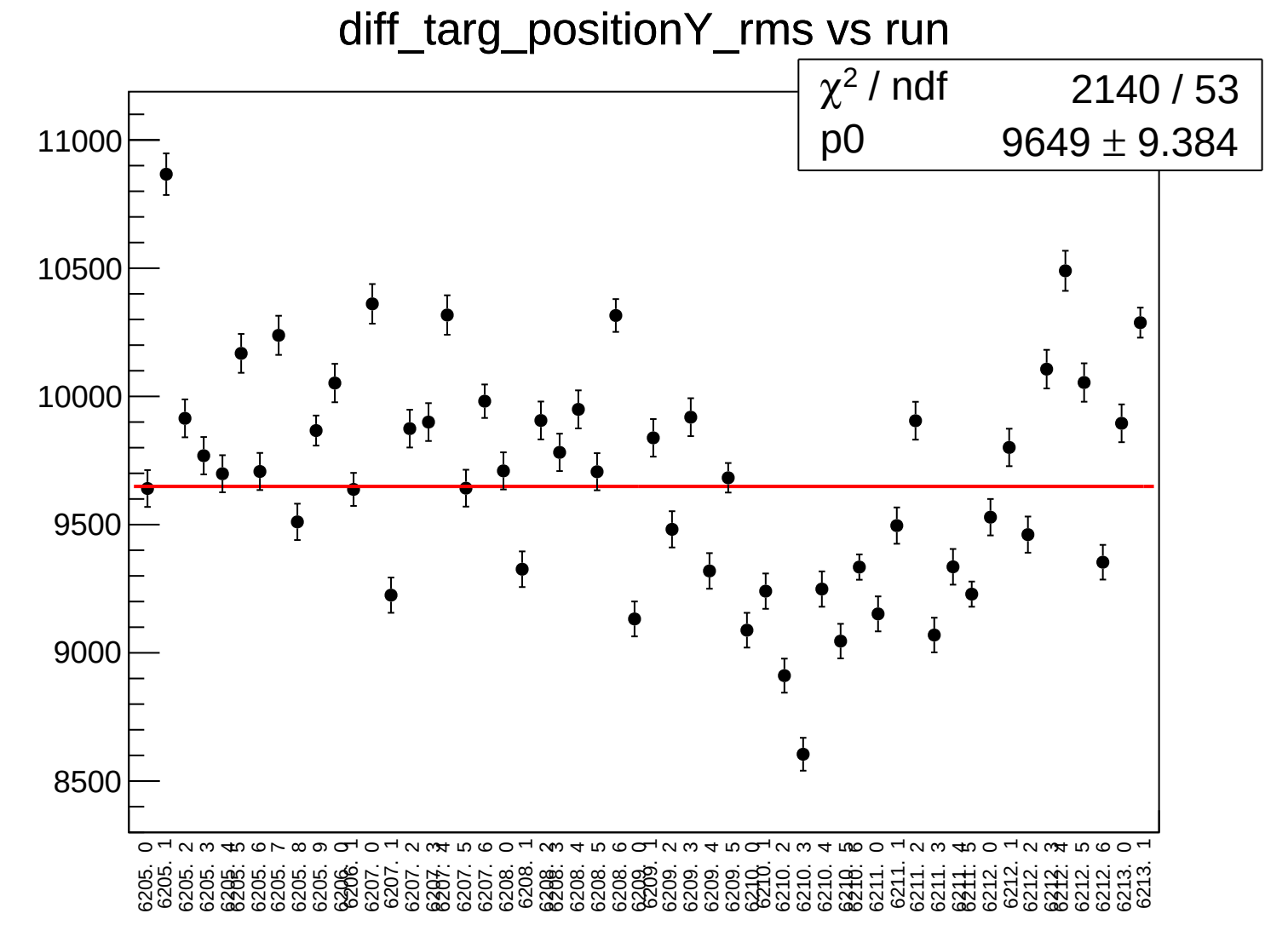

diff_targ_positionX_mean vs run
χ^2 / ndf 41.62 / 53
p0 3.079 ± 24.48
pull
Entries 54
Mean 9.832
Std Dev 0

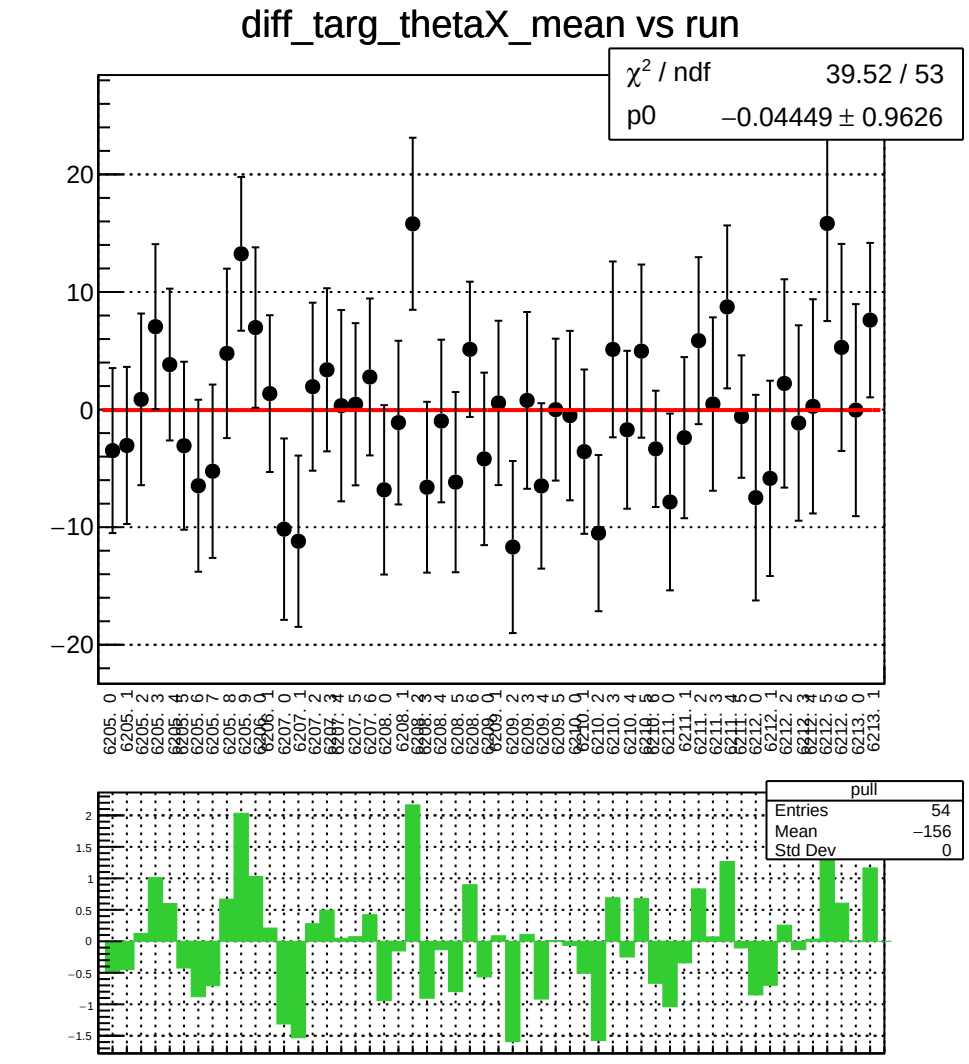

pull1D
Entries 54
Mean 0.02916
Std Dev 0.8774

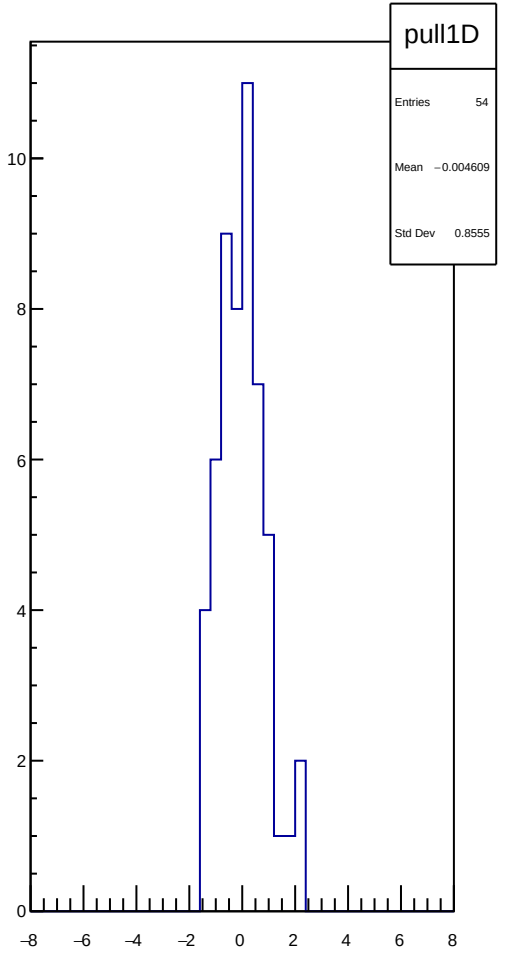

diff_targ_positionX_rms vs run
χ² / ndf 7145 / 53
p0 1.776e+04 ± 17.31
22000
21000
20000
19000
18000
17000
16000
15000
14000

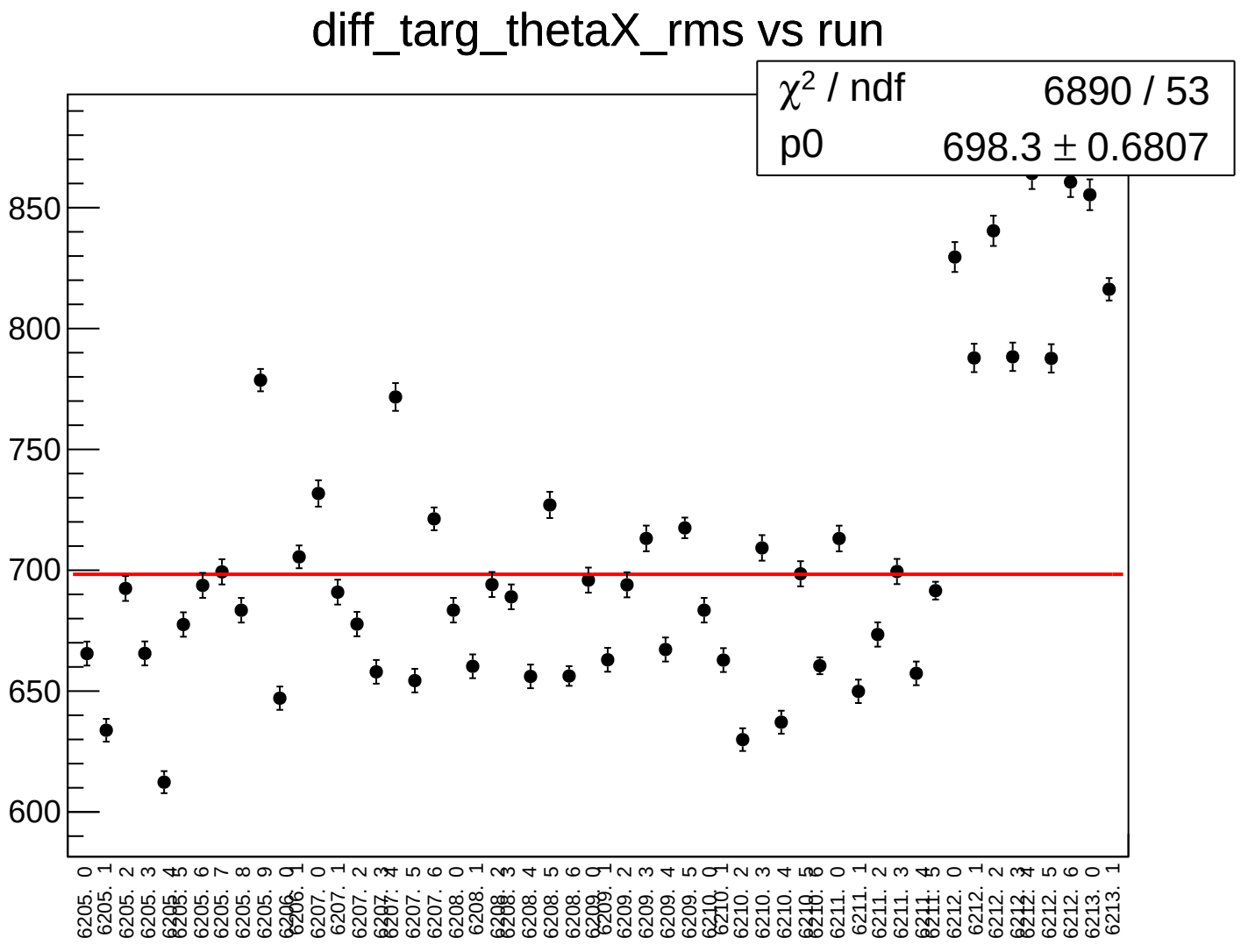

diff_targ_positionY_mean vs run
χ² / ndf 51.07 / 53
p0 −21.45 ± 13.27
pull
Entries 54
Mean 546.4
Std Dev 0

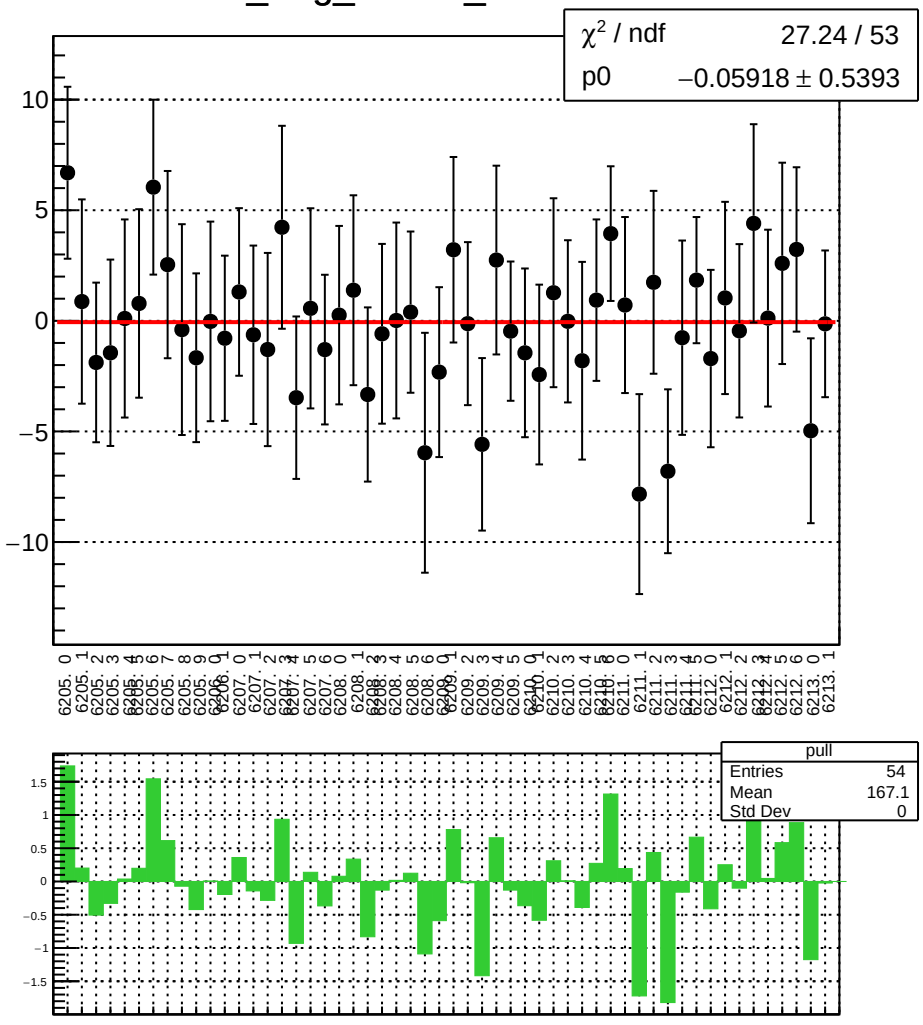

pull1D
Entries 54
Mean −0.001182
Std Dev 0.9725

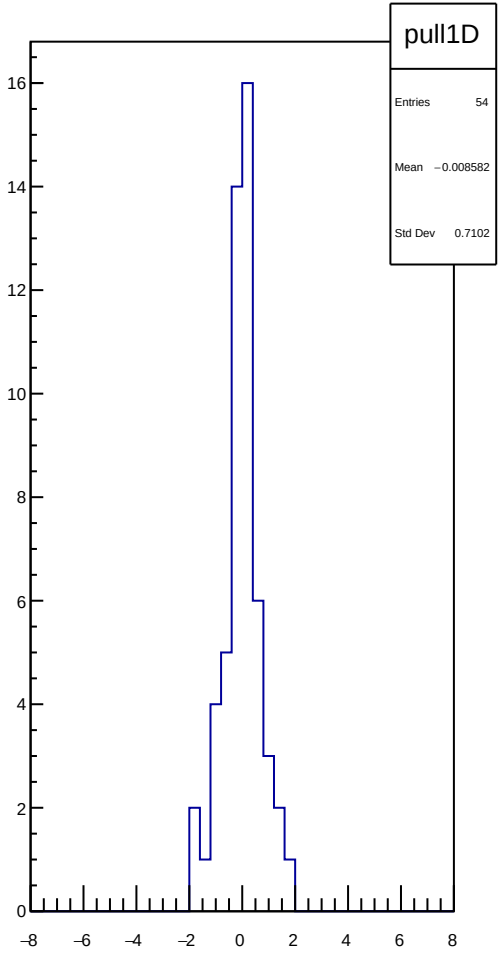

diff_targ_positionY_rms vs run
χ² / ndf 2140 / 53
p0 9649 ± 9.384
11000
10500
10000
9500
9000
8500
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6209. 6
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

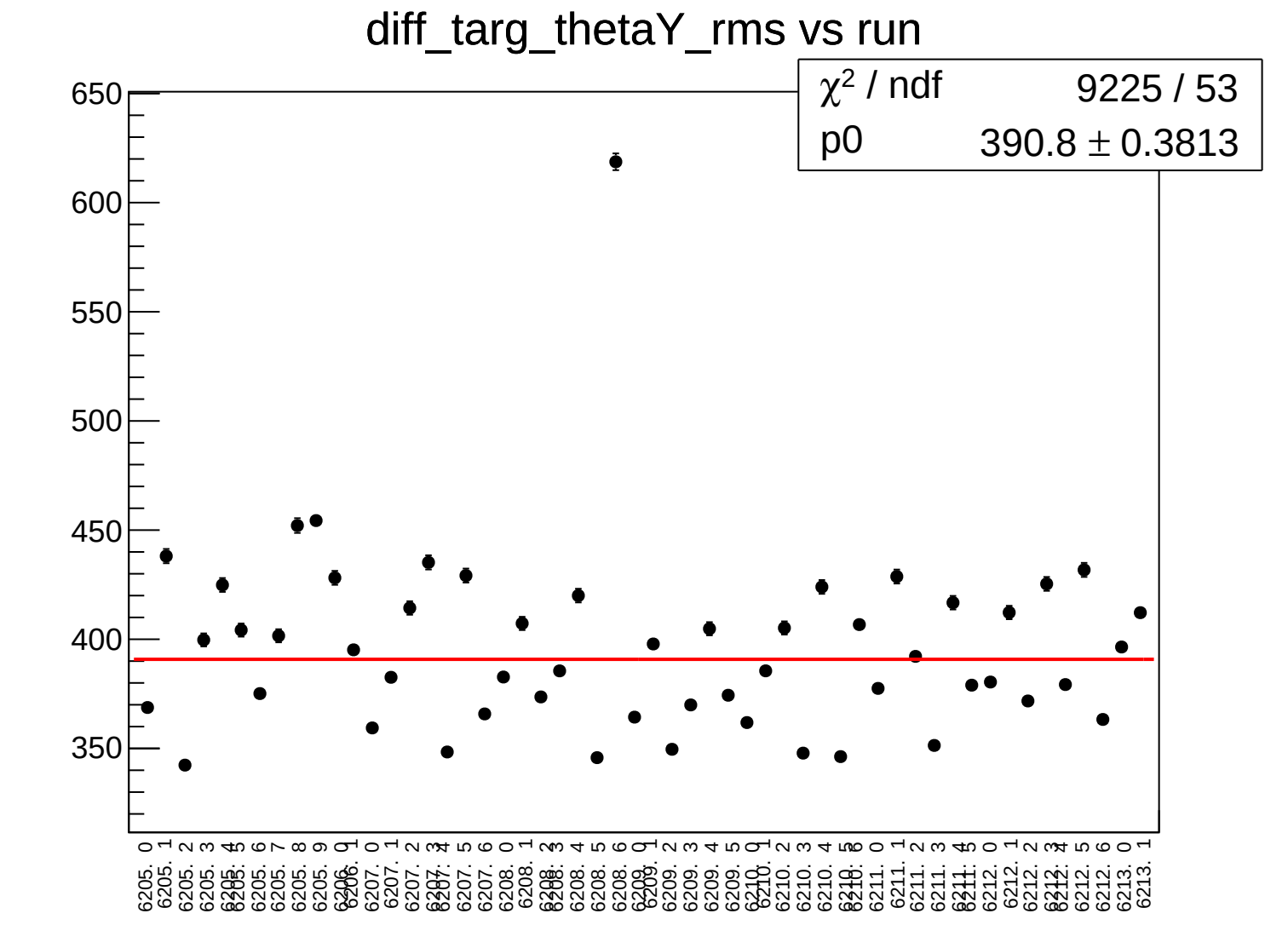

diff_targ_thetaX_mean vs run
χ² / ndf 39.52 / 53
p0 −0.04449 ± 0.9626
pull
Entries 54
Mean −156
Std Dev 0

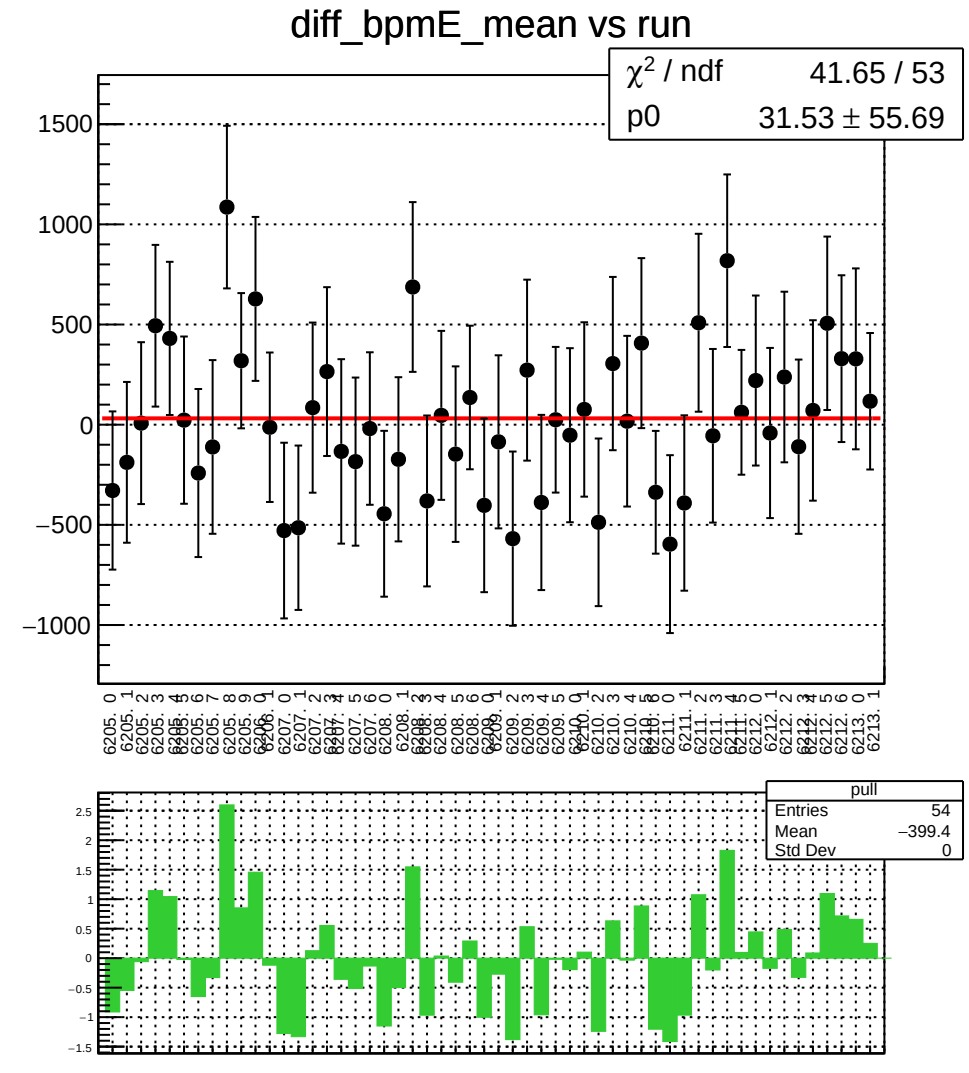

pull1D
Entries 54
Mean −0.004609
Std Dev 0.8555

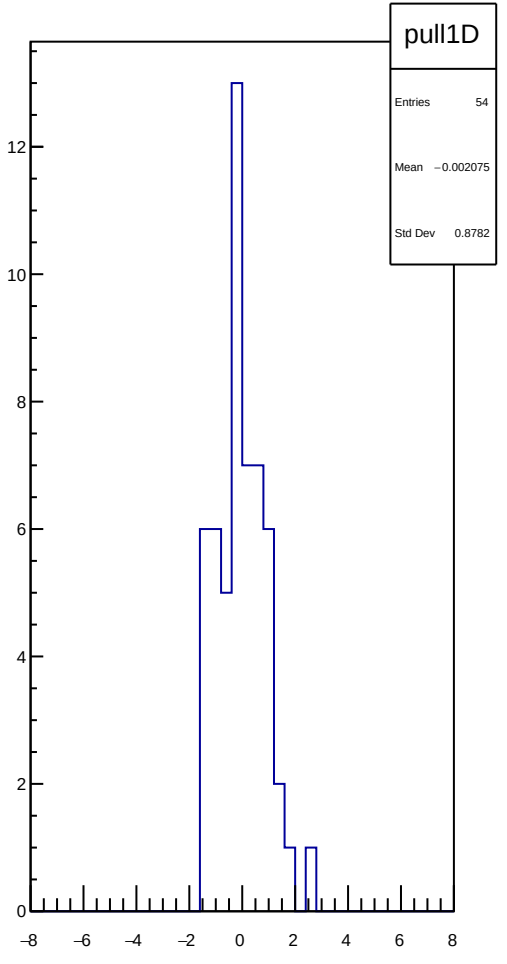

diff_targ_thetaX_rms vs run
χ² / ndf 6890 / 53
p0 698.3 ± 0.6807
850
800
750
700
650
600
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

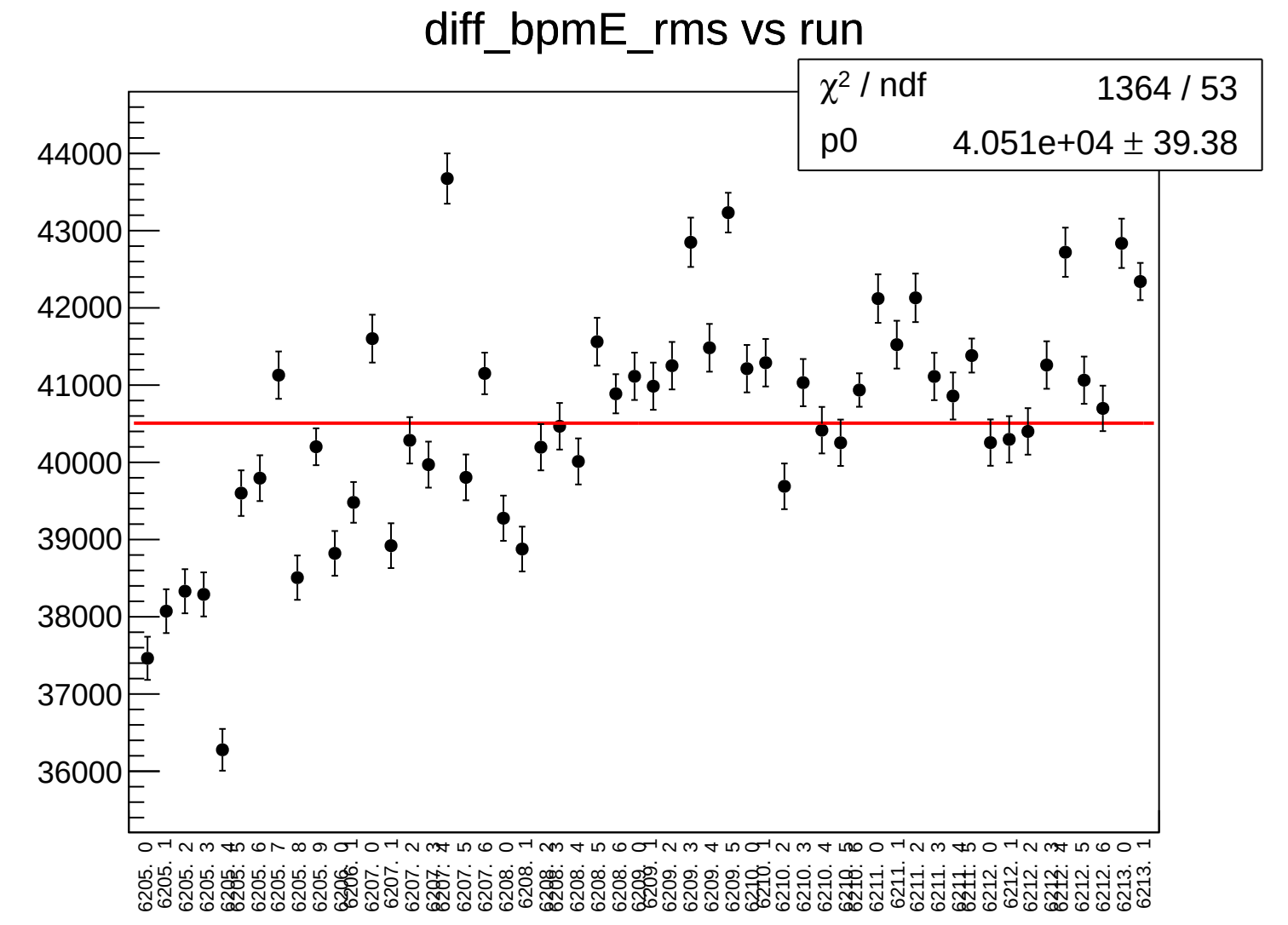

diff_targ_thetaY_mean vs run
χ² / ndf 27.24 / 53
p0 −0.05918 ± 0.5393
pull
Entries 54
Mean 167.1
Std Dev 0

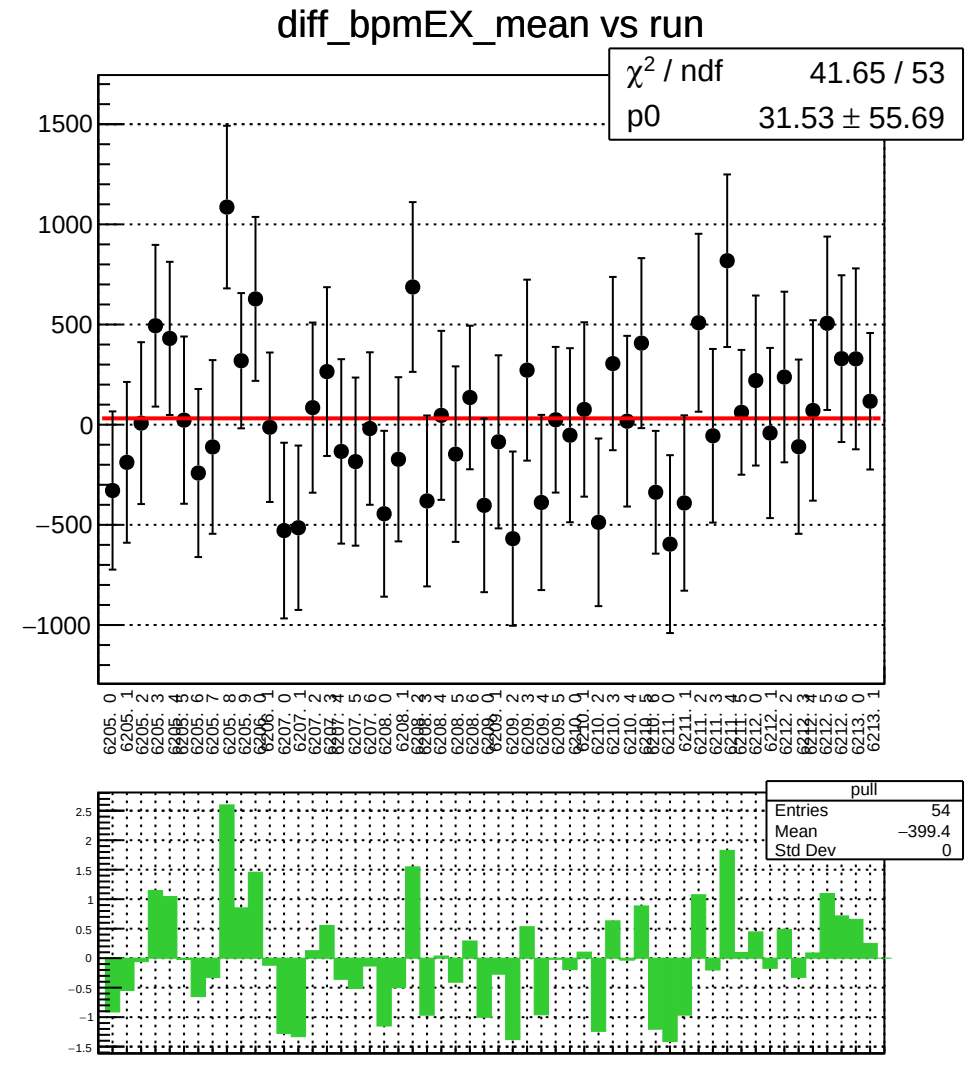

pull1D
Entries 54
Mean −0.008582
Std Dev 0.7102

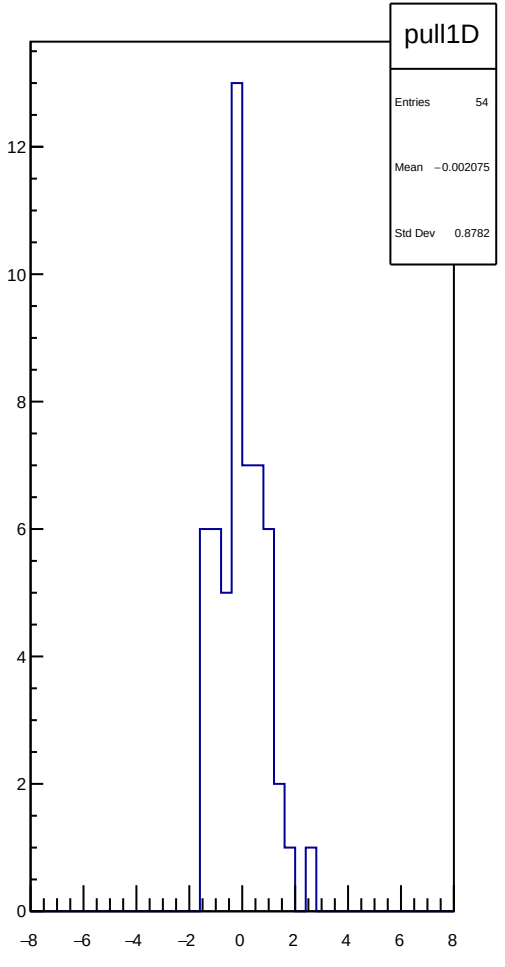

diff_targ_thetaY_rms vs run
χ² / ndf 9225 / 53
p0 390.8 ± 0.3813
650
600
550
500
450
400
350
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

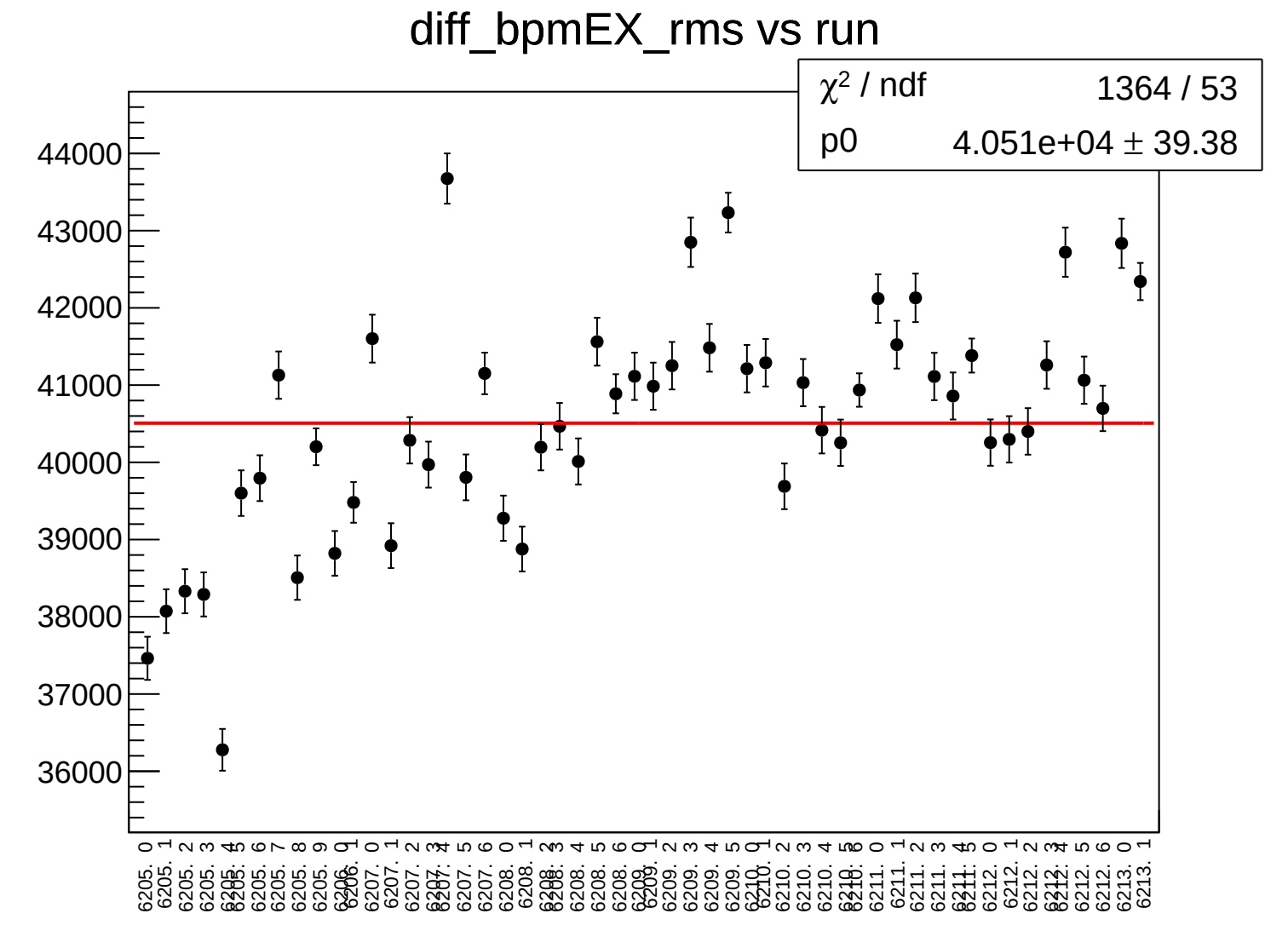

diff_bpmE_mean vs run
χ² / ndf 41.65 / 53
p0 31.53 ± 55.69
pull
Entries 54
Mean −399.4
Std Dev 0

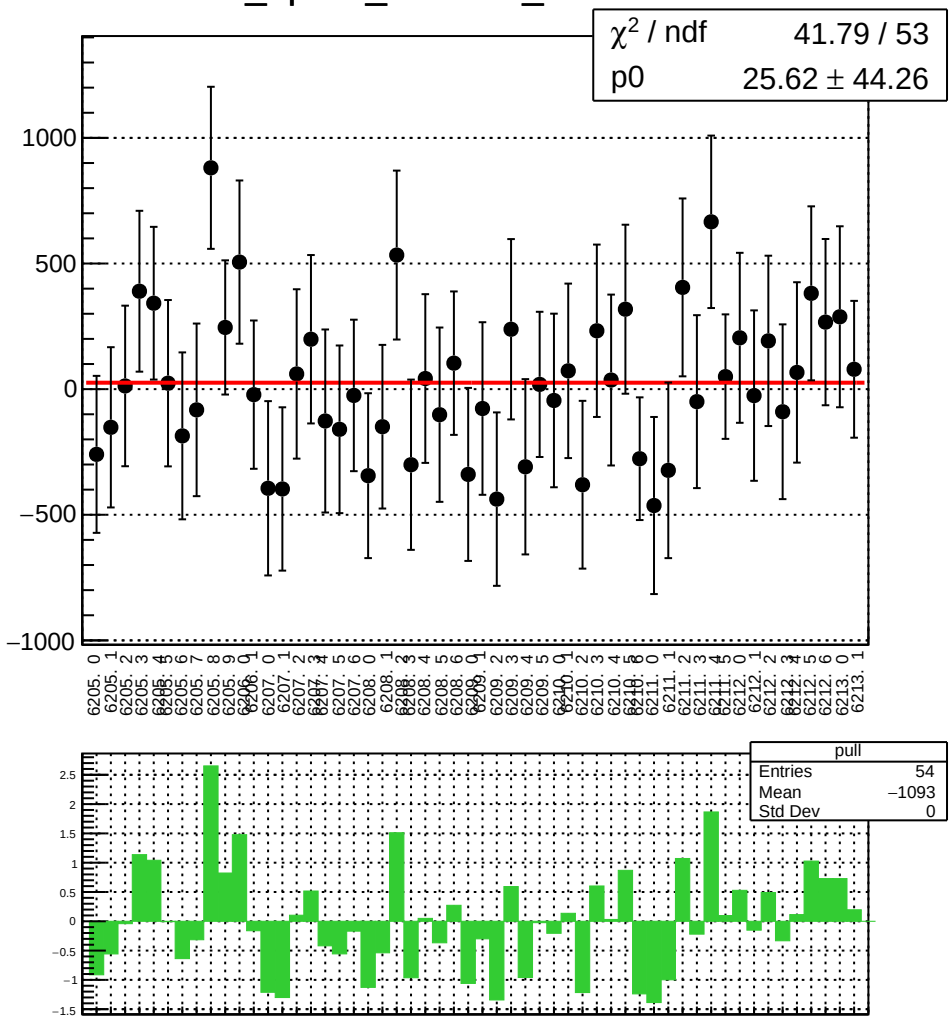

pull1D
Entries 54
Mean −0.002075
Std Dev 0.8782

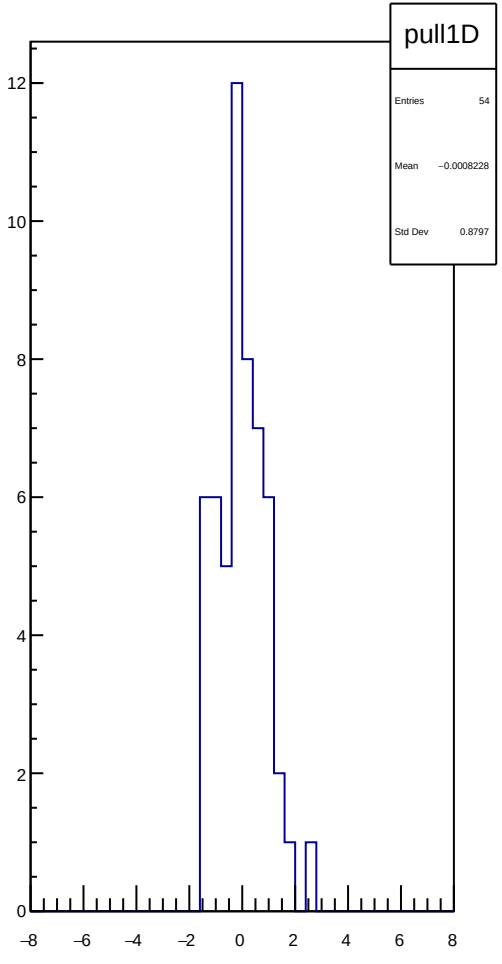

diff_bpmE_rms vs run
χ² / ndf 1364 / 53
p0 4.051e+04 ± 39.38
44000
43000
42000
41000
40000
39000
38000
37000
36000
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

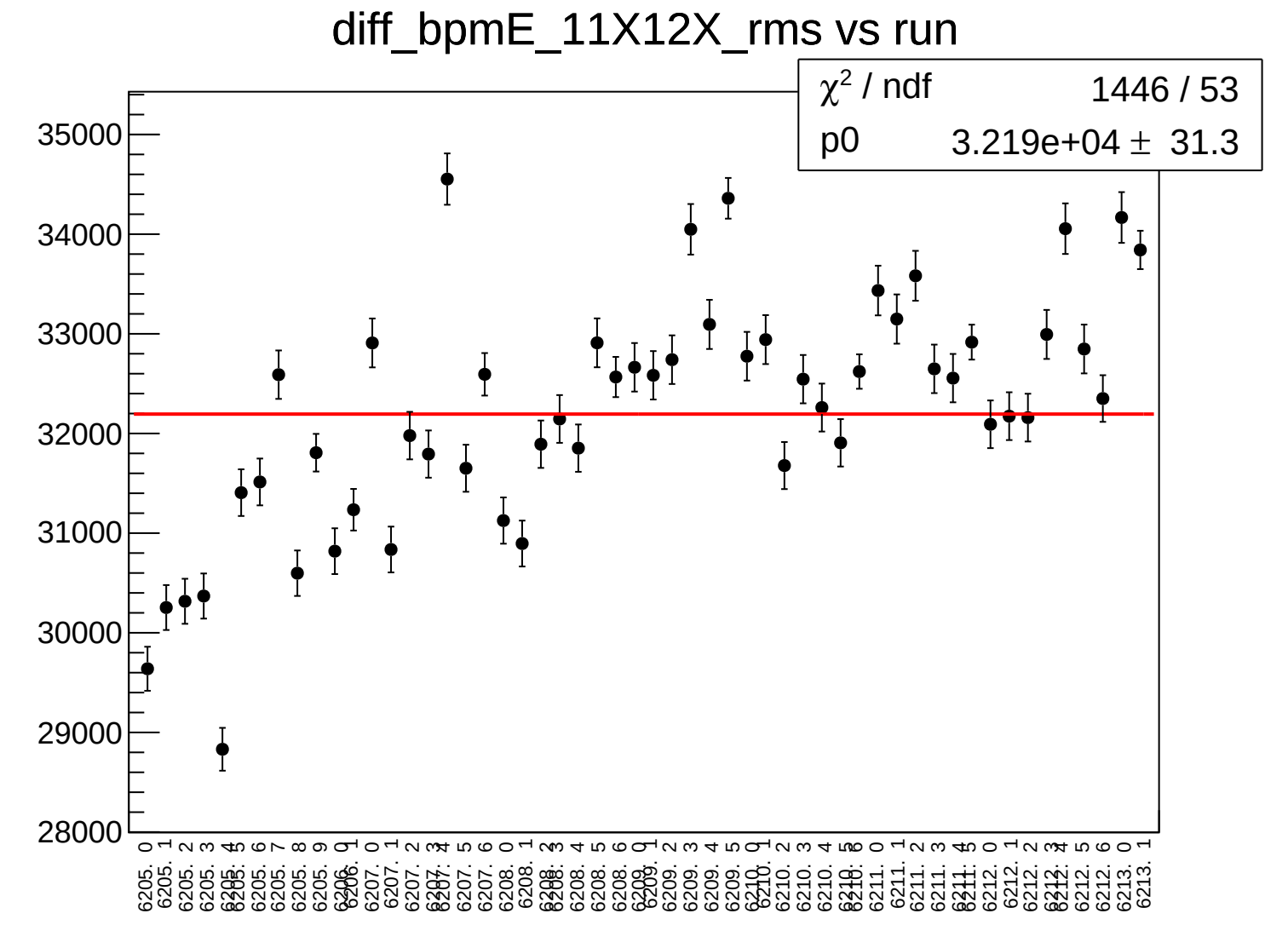

diff_bpmEX_mean vs run
χ^2 / ndf 41.65 / 53
p0 31.53 ± 55.69
pull
Entries 54
Mean −399.4
Std Dev 0

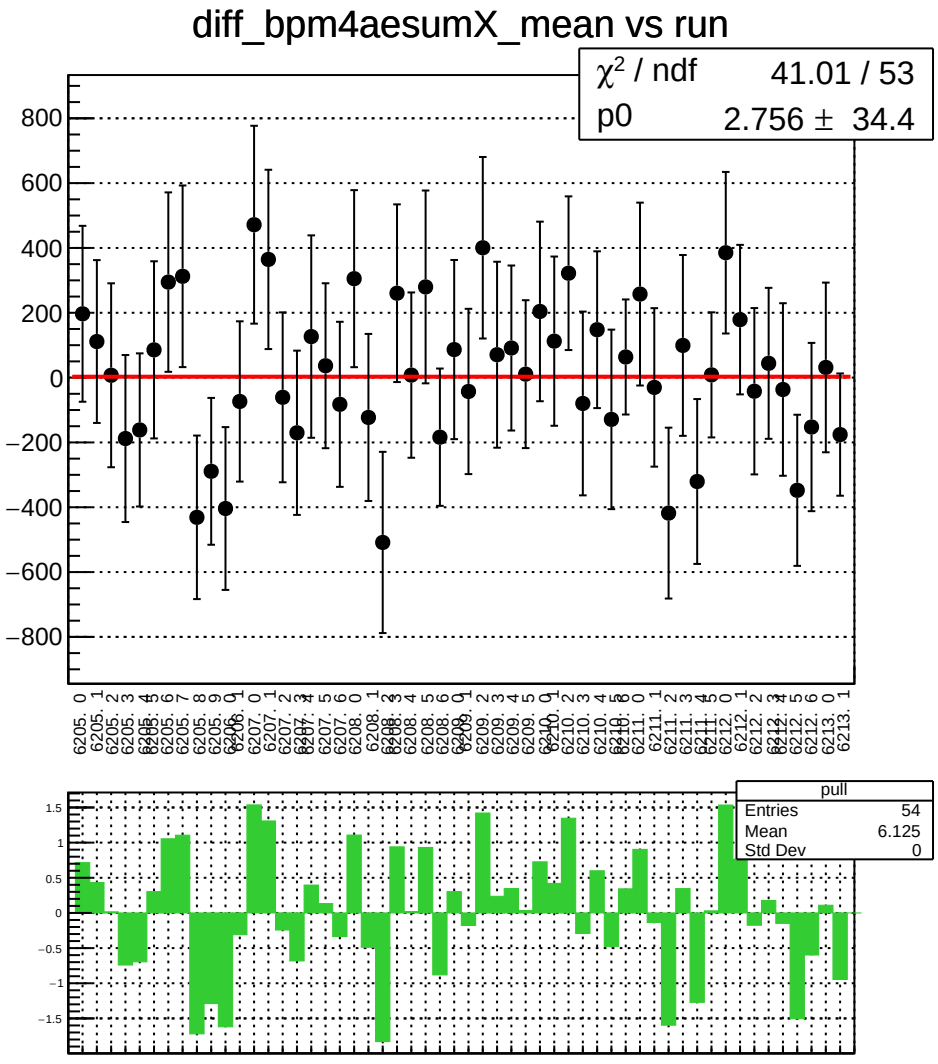

pull1D
Entries 54
Mean −0.002075
Std Dev 0.8782

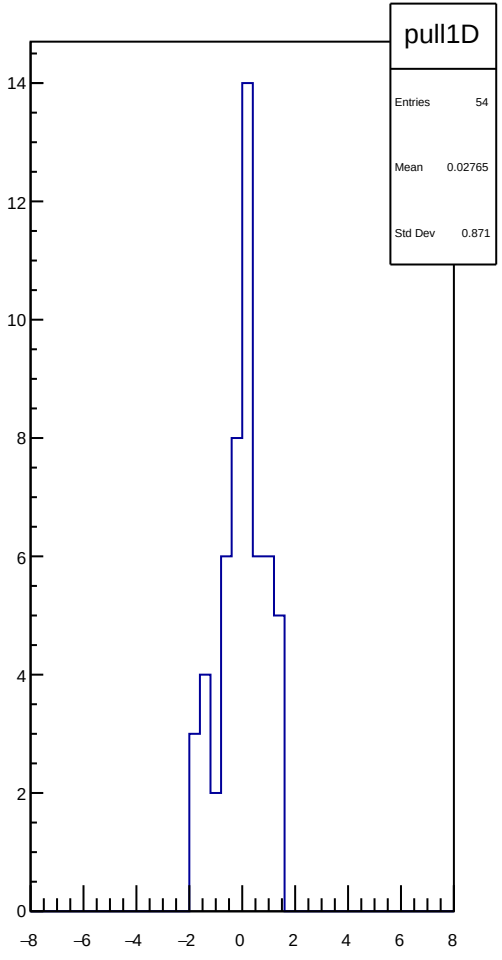

diff_bpmEX_rms vs run
χ² / ndf 1364 / 53
p0 4.051e+04 ± 39.38
44000
43000
42000
41000
40000
39000
38000
37000
36000
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 1
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

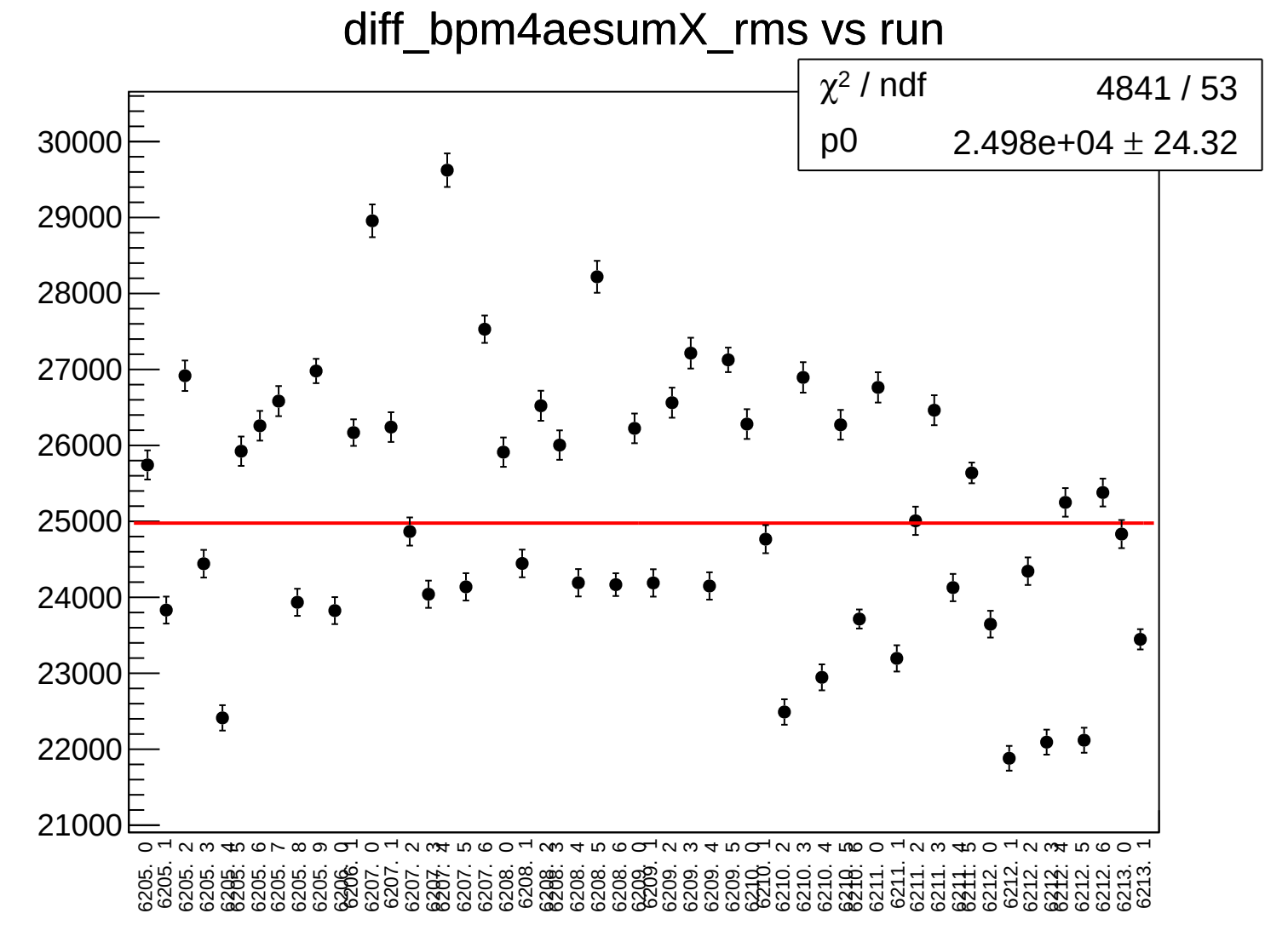

diff_bpmE_11X12X_mean vs run
χ² / ndf 41.79 / 53
p0 25.62 ± 44.26
1000
500
0
−500
−1000
pull
Entries 54
Mean −1093
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

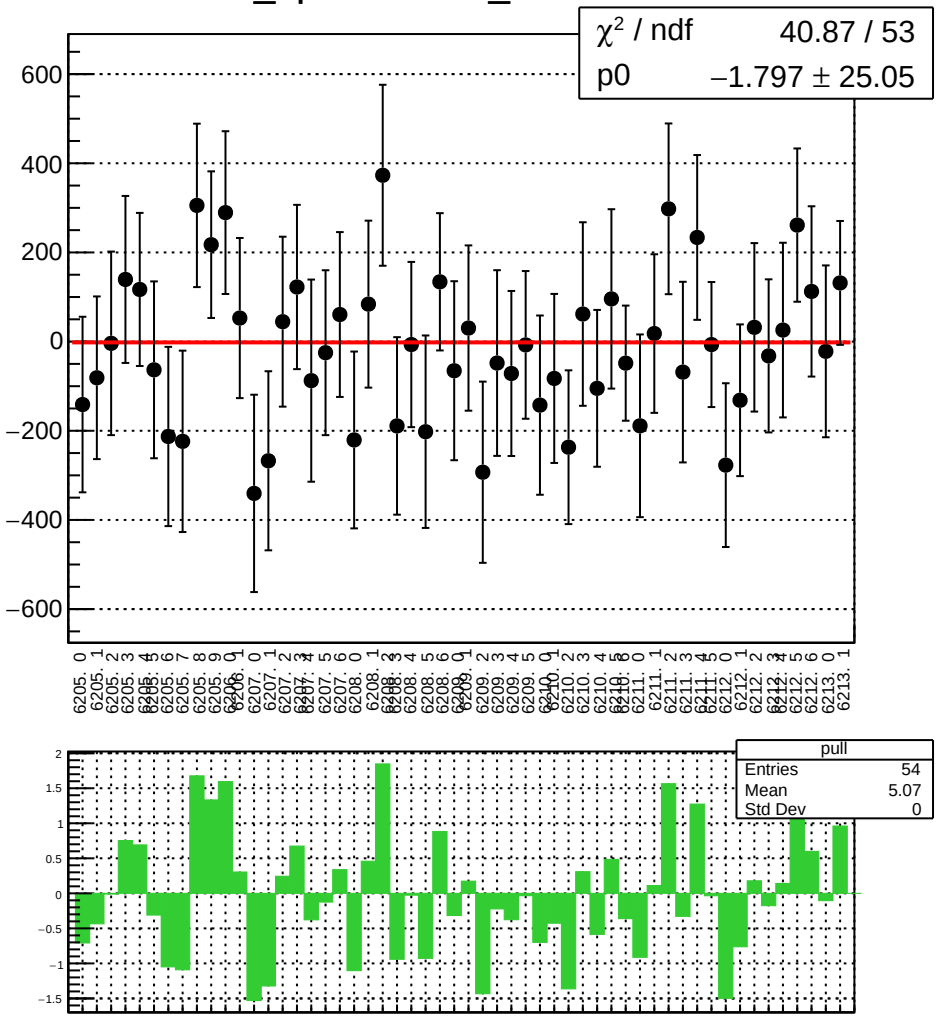

pull1D
Entries 54
Mean −0.0008228
Std Dev 0.8797
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

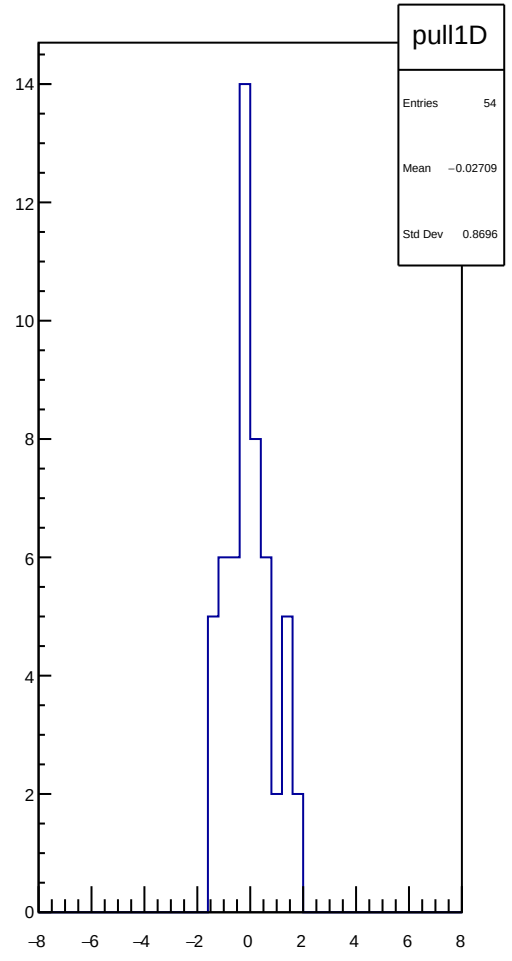

diff_bpmE_11X12X_rms vs run
χ² / ndf 1446 / 53
p0 3.219e+04 ± 31.3
35000
34000
33000
32000
31000
30000
29000
28000
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 1
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

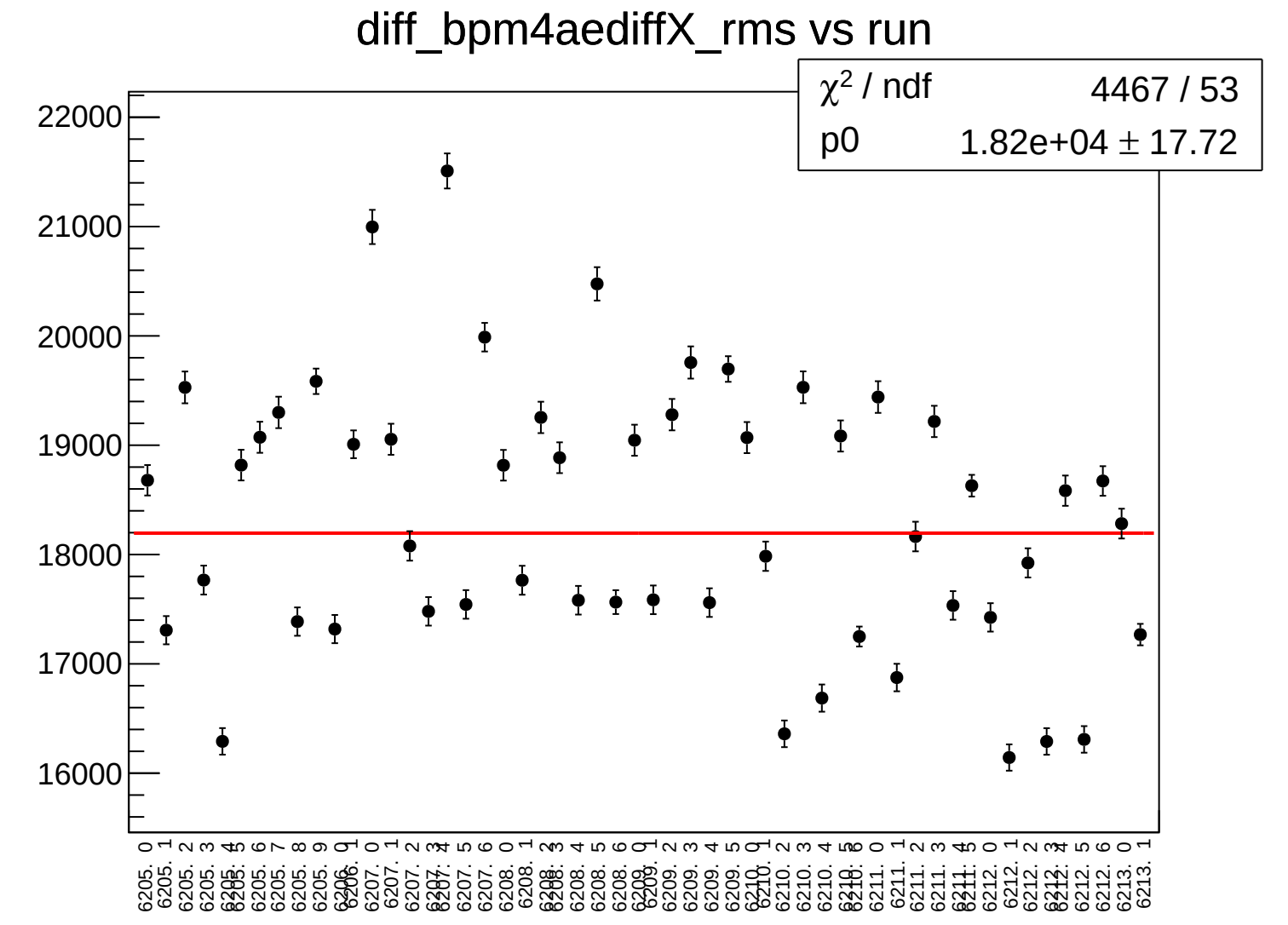

diff_bpm4aesumX_mean vs run
χ² / ndf 41.01 / 53
p0 2.756 ± 34.4
pull
Entries 54
Mean 6.125
Std Dev 0

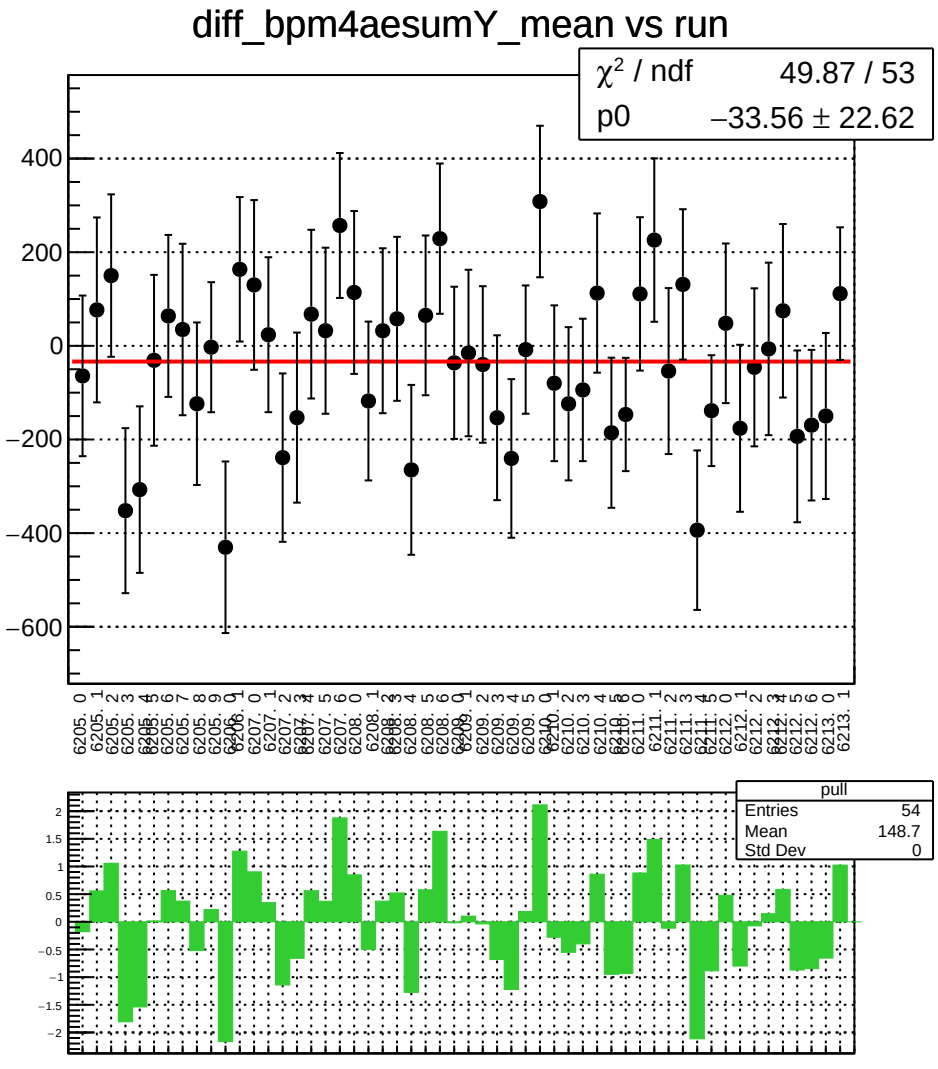

pull1D
Entries 54
Mean 0.02765
Std Dev 0.871

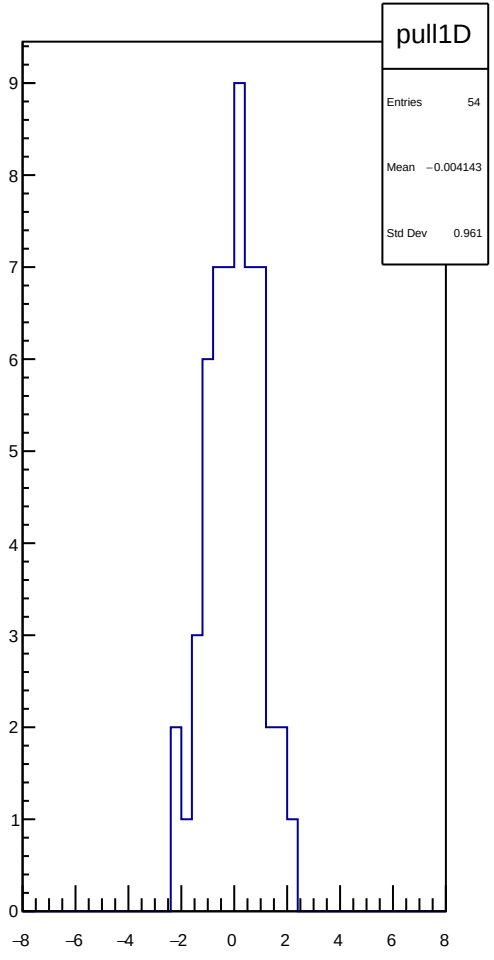

diff_bpm4aesumX_rms vs run
χ² / ndf 4841 / 53
p0 2.498e+04 ± 24.32
30000
29000
28000
27000
26000
25000
24000
23000
22000
21000
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

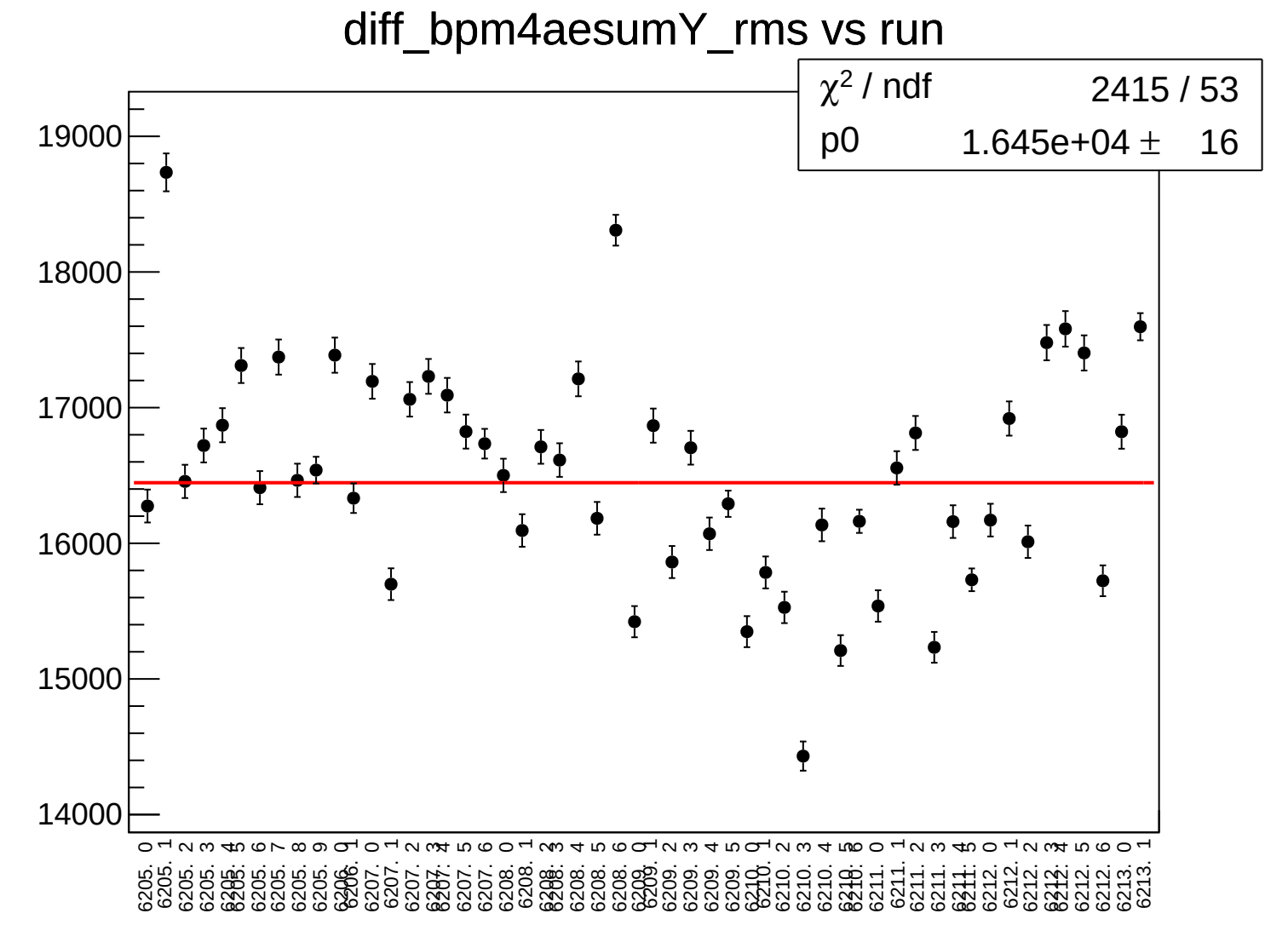

diff_bpm4aediffX_mean vs run
χ² / ndf 40.87 / 53
p0 −1.797 ± 25.05
pull
Entries 54
Mean 5.07
Std Dev 0

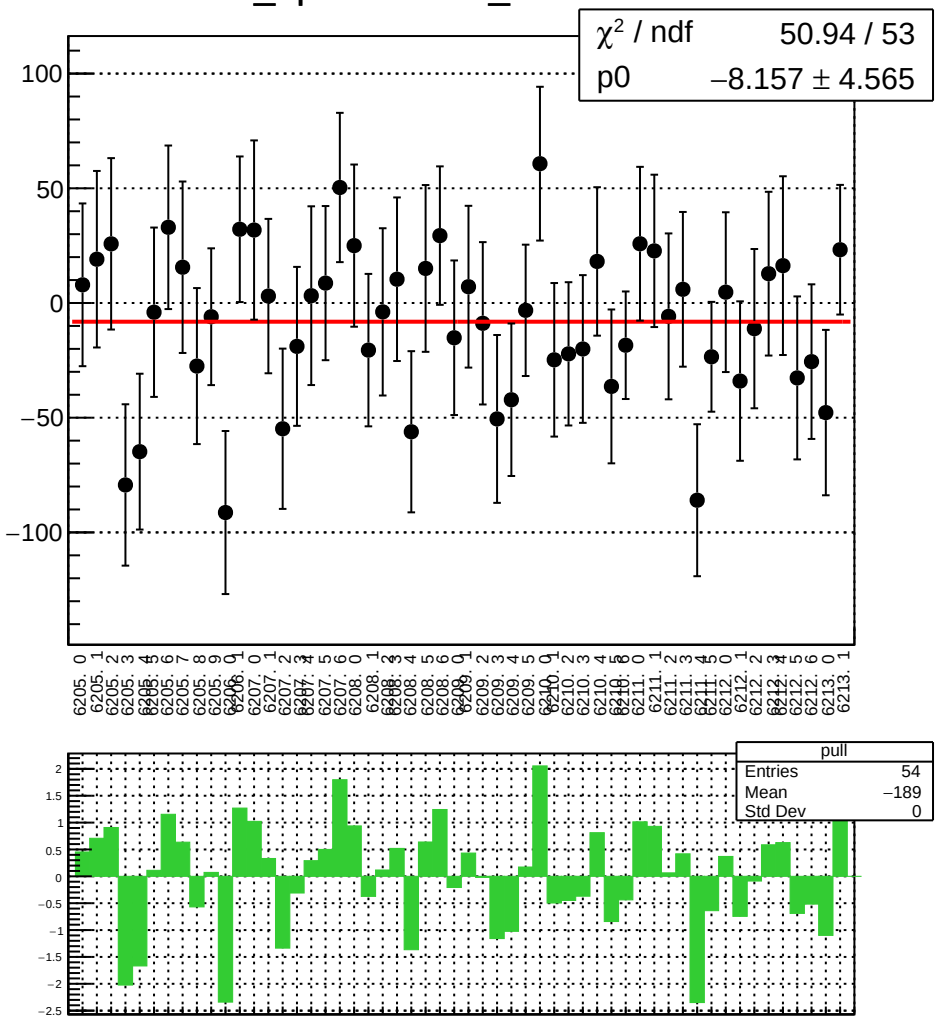

pull1D
Entries 54
Mean −0.02709
Std Dev 0.8696

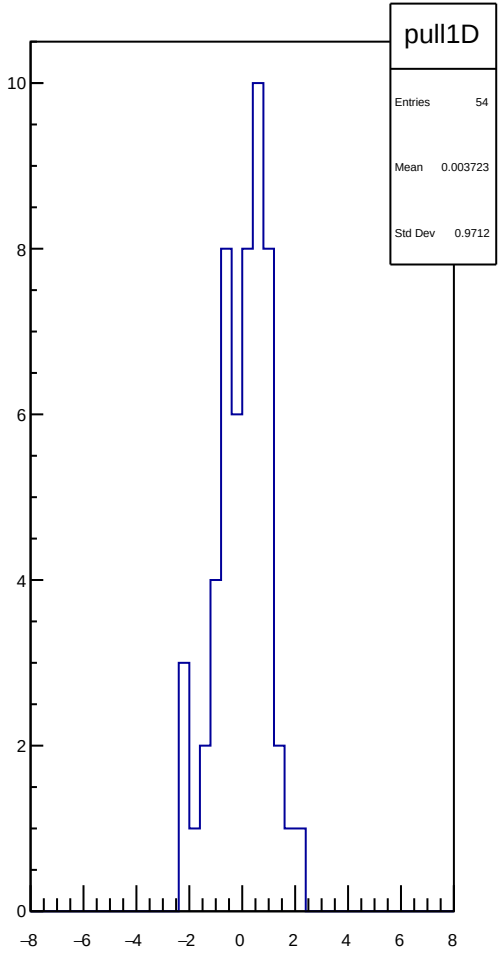

diff_bpm4aediffX_rms vs run
χ² / ndf 4467 / 53
p0 1.82e+04 ± 17.72
22000
21000
20000
19000
18000
17000
16000
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

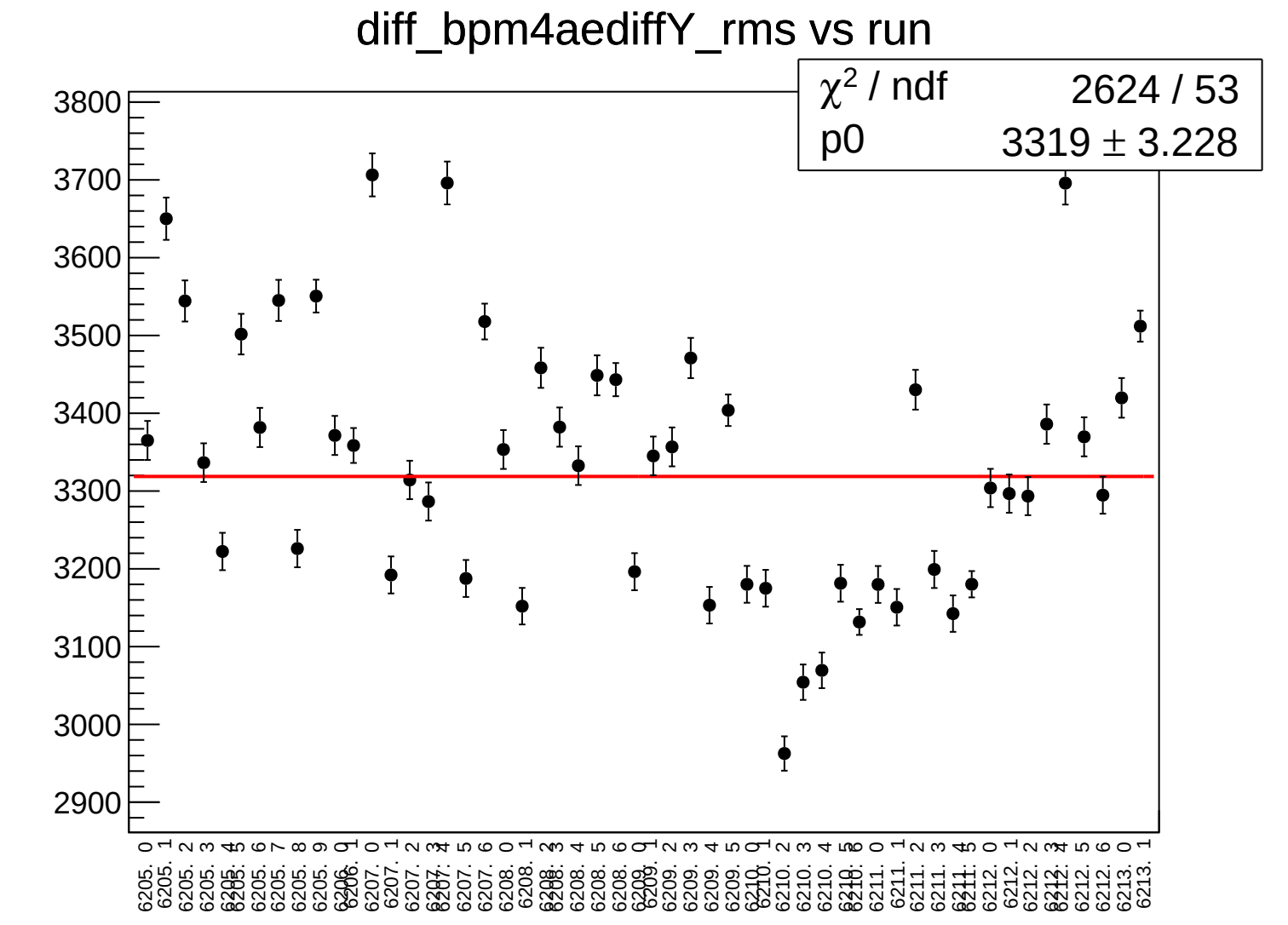

diff_bpm4aesumY_mean vs run
χ² / ndf 49.87 / 53
p0 −33.56 ± 22.62
pull
Entries 54
Mean 148.7
Std Dev 0

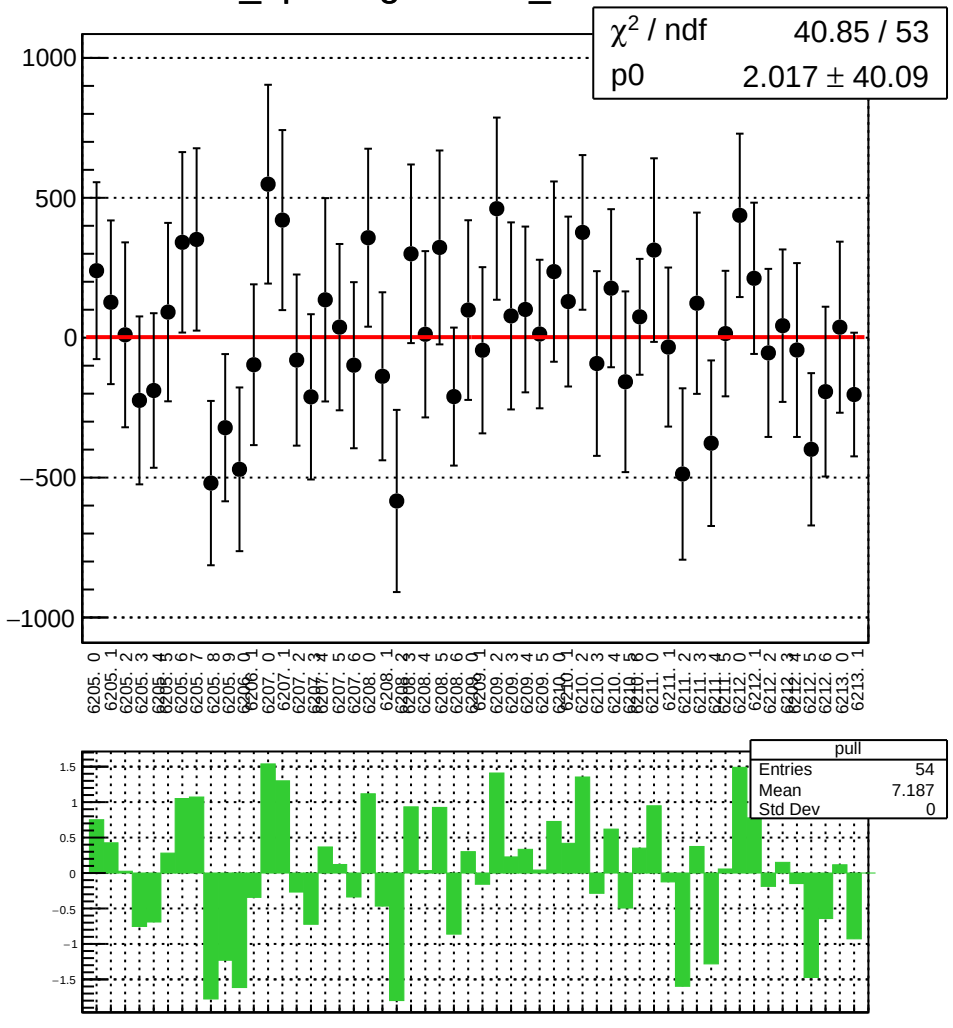

pull1D
Entries 54
Mean −0.004143
Std Dev 0.961

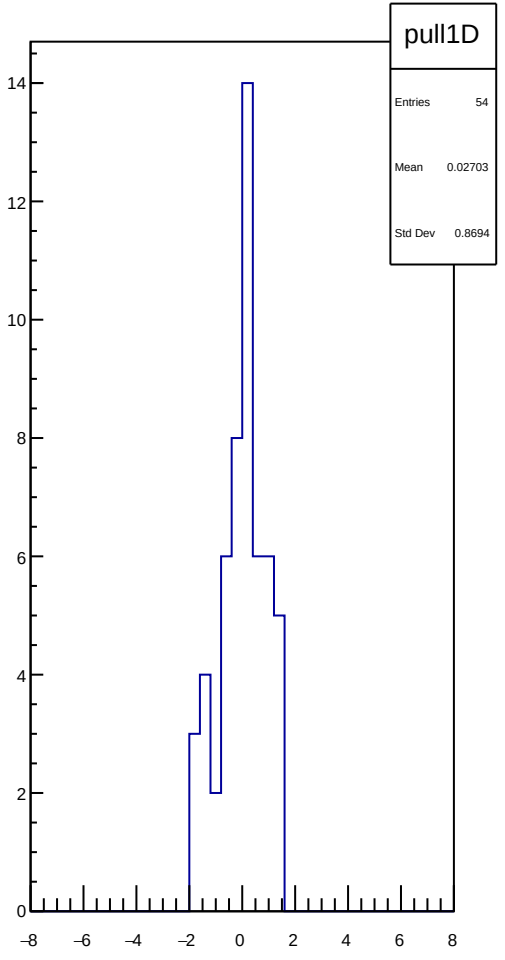

diff_bpm4aesumY_rms vs run
χ² / ndf 2415 / 53
p0 1.645e+04 ± 16
19000
18000
17000
16000
15000
14000
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

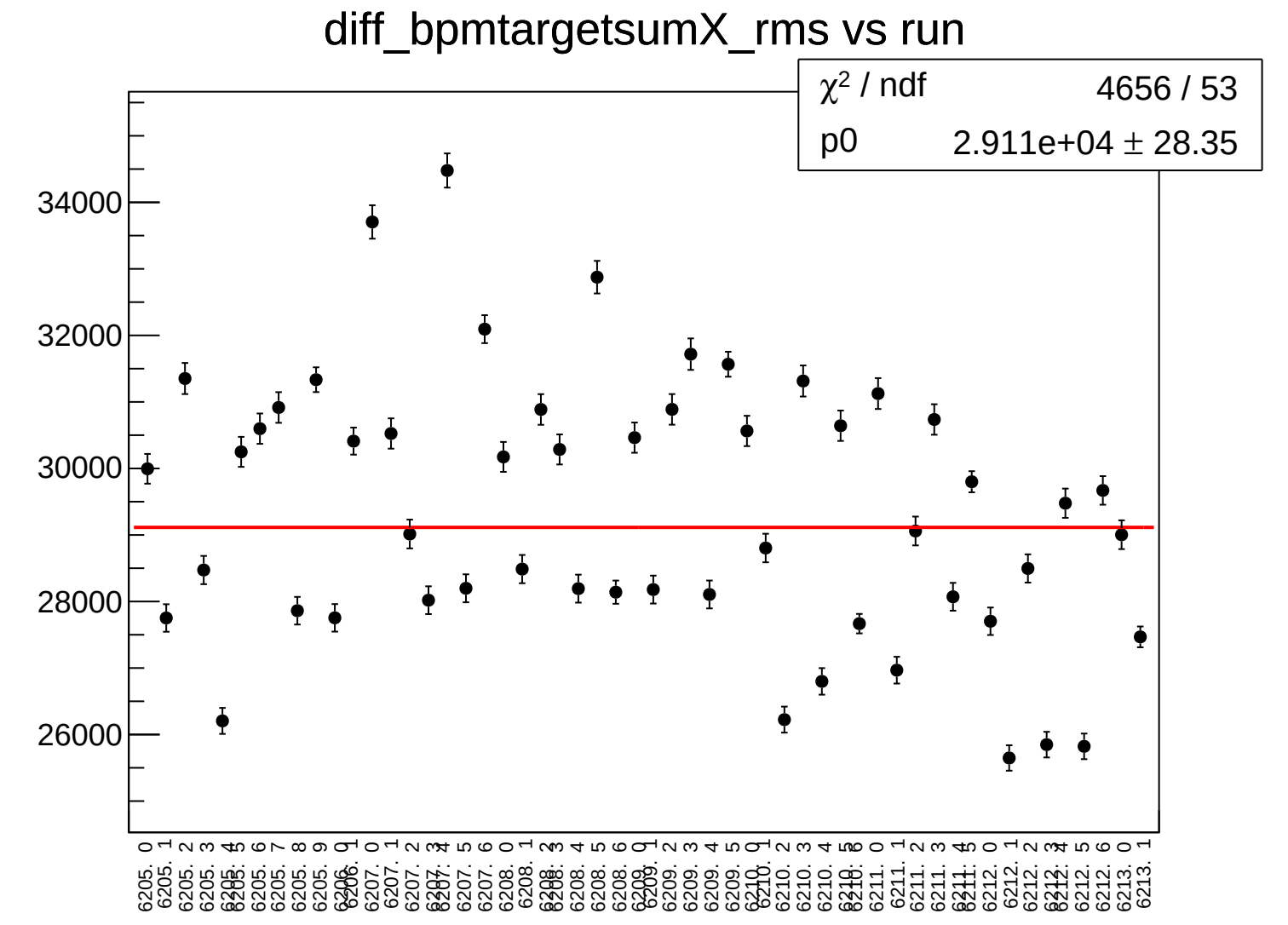

diff_bpm4aediffY_mean vs run
χ² / ndf 50.94 / 53
p0 −8.157 ± 4.565
pull
Entries 54
Mean −189
Std Dev 0

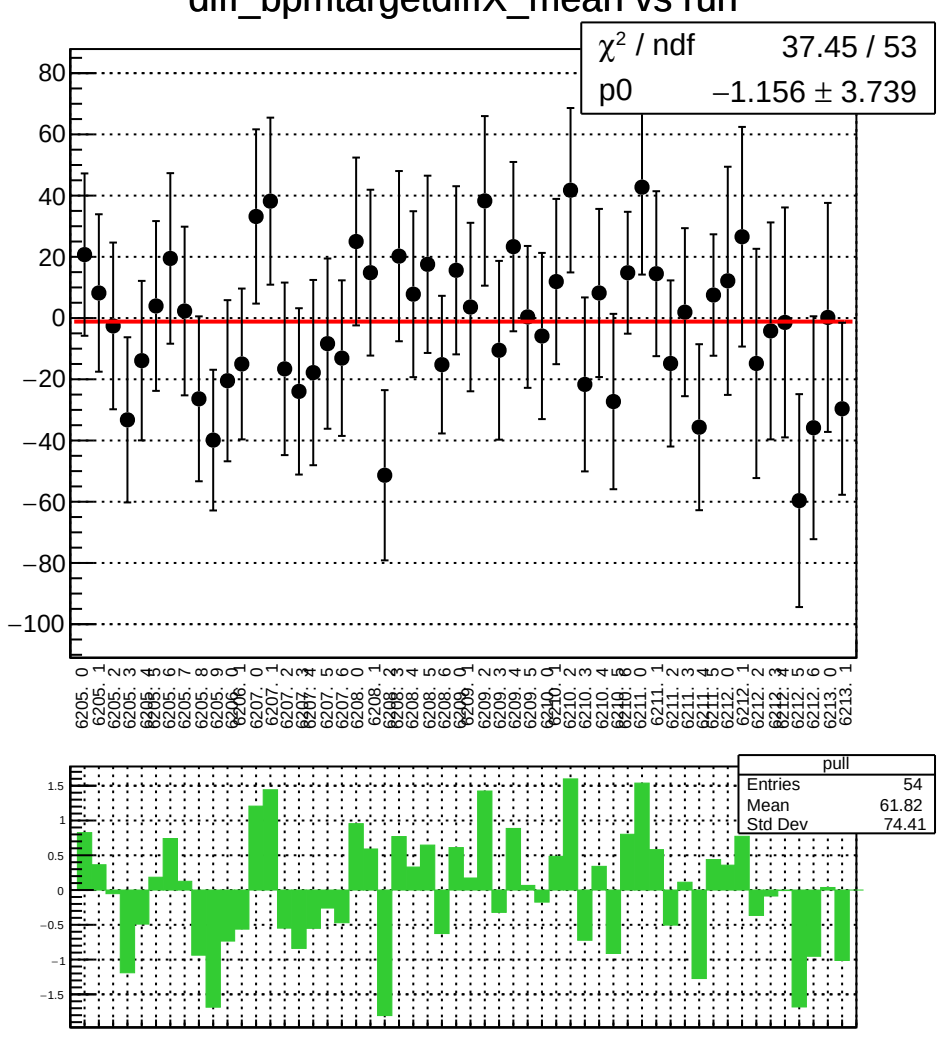

pull1D
Entries 54
Mean 0.003723
Std Dev 0.9712

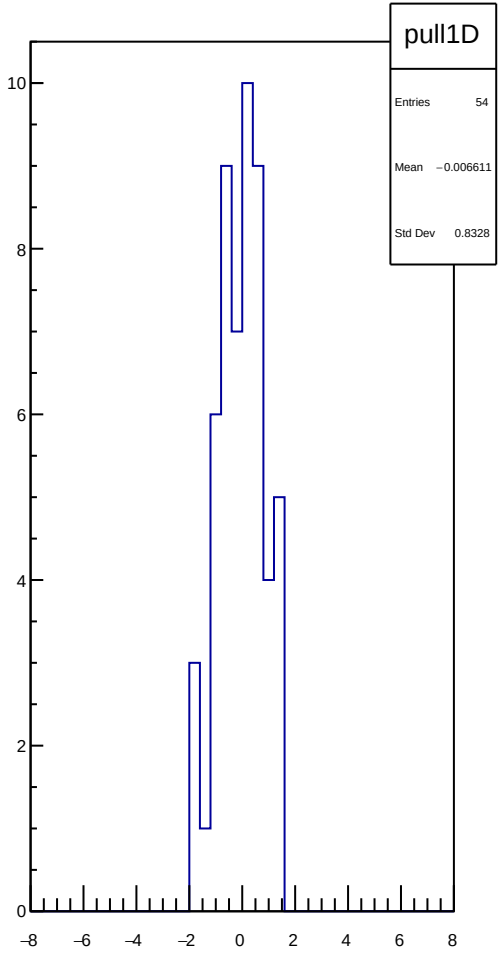

diff_bpm4aediffY_rms vs run
χ² / ndf 2624 / 53
p0 3319 ± 3.228
3800
3700
3600
3500
3400
3300
3200
3100
3000
2900
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

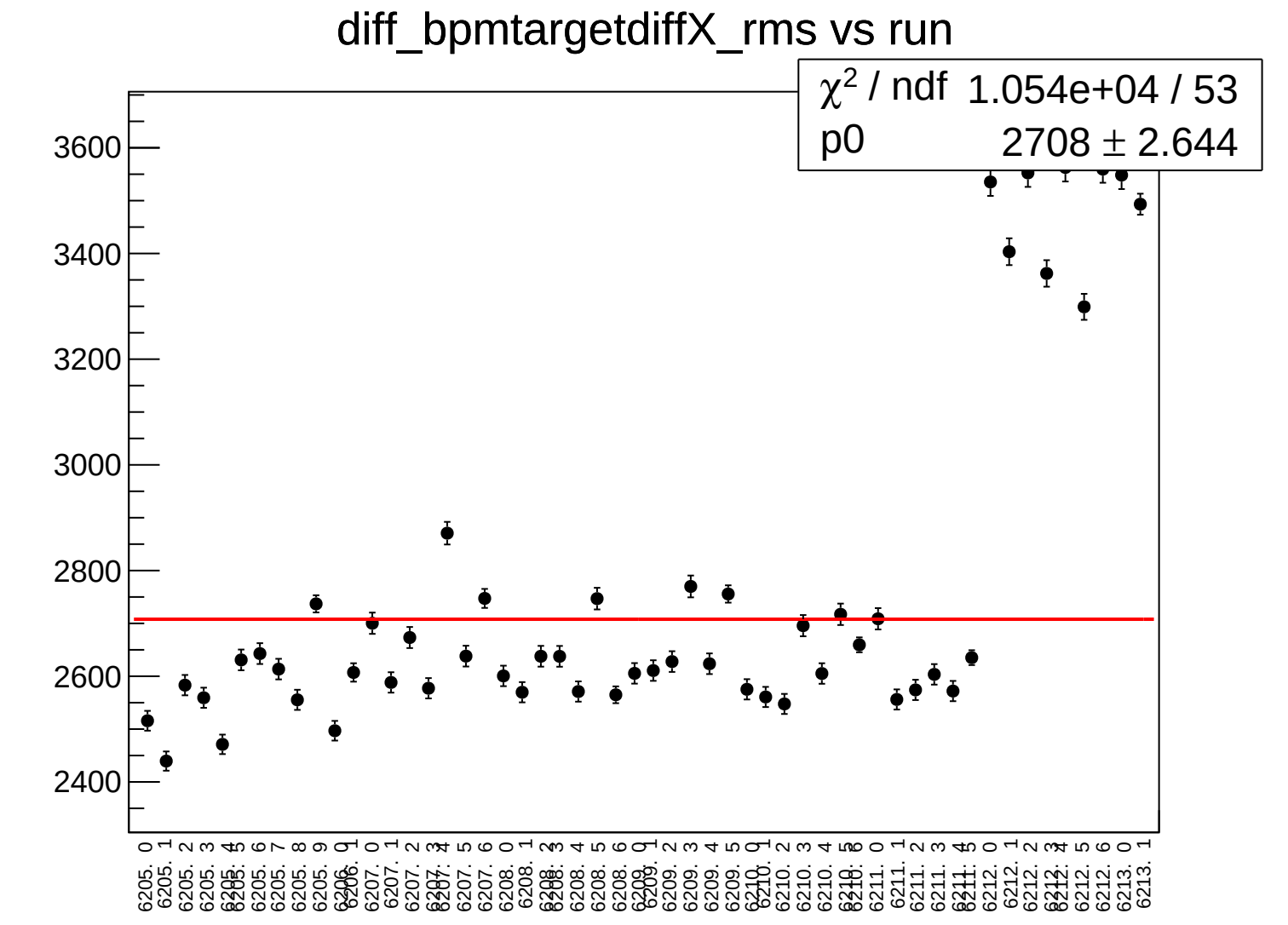

diff_bpmtargetsumX_mean vs run
χ² / ndf 40.85 / 53
p0 2.017 ± 40.09
1000
500
0
−500
−1000
pull
Entries 54
Mean 7.187
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

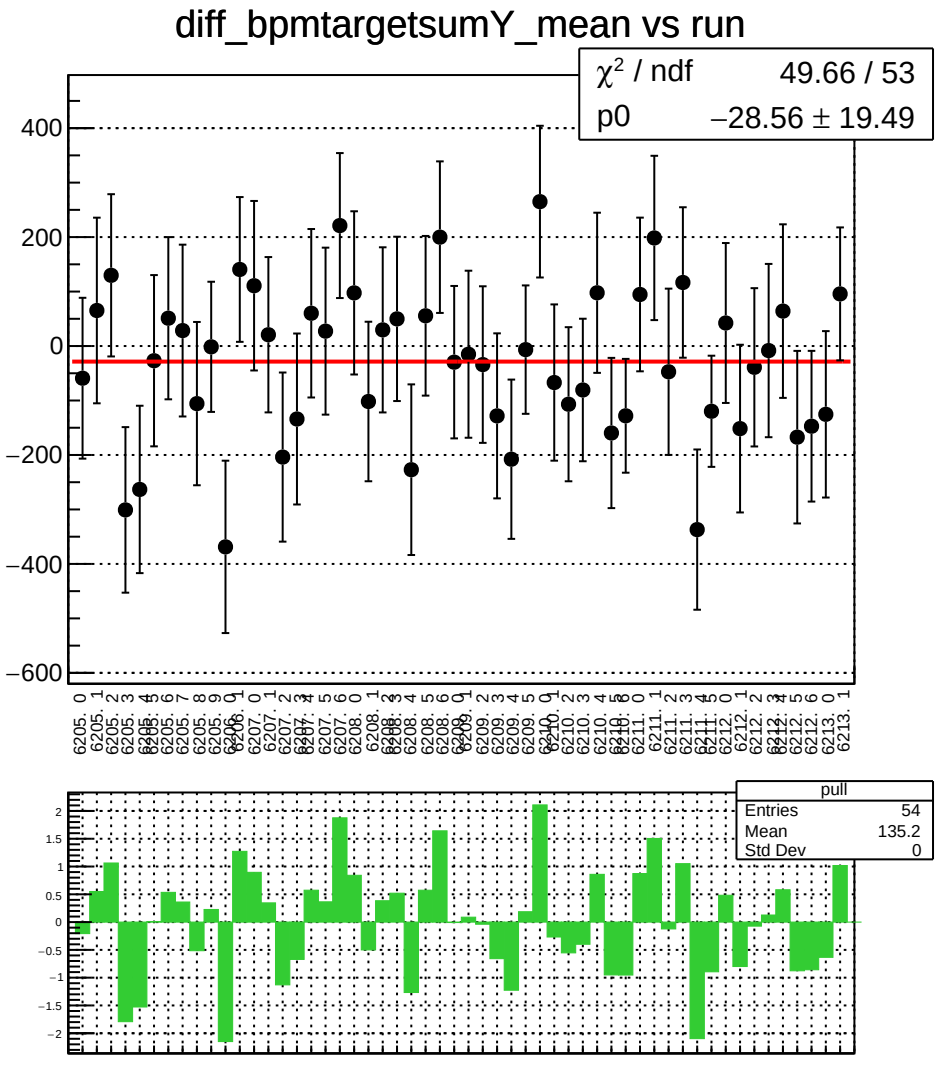

pull1D
Entries 54
Mean 0.02703
Std Dev 0.8694
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

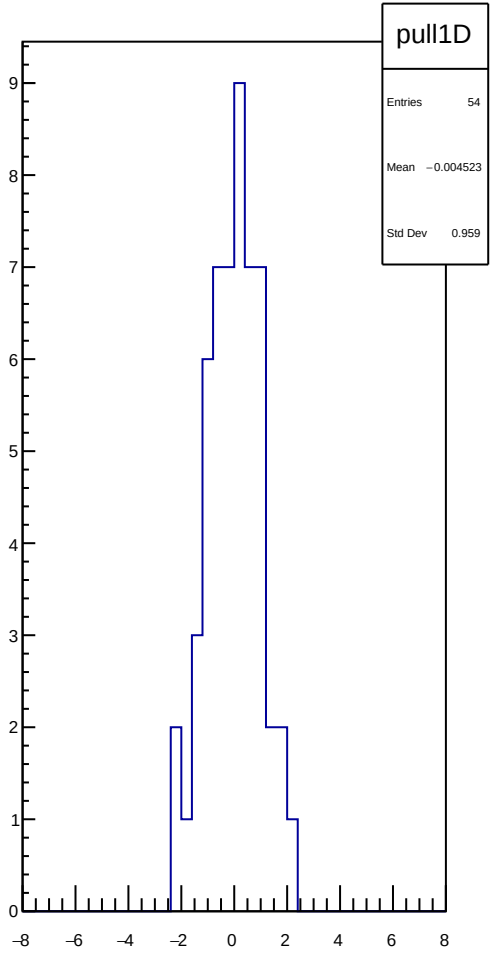

diff_bpmtargetsumX_rms vs run
χ² / ndf 4656 / 53
p0 2.911e+04 ± 28.35
34000
32000
30000
28000
26000
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

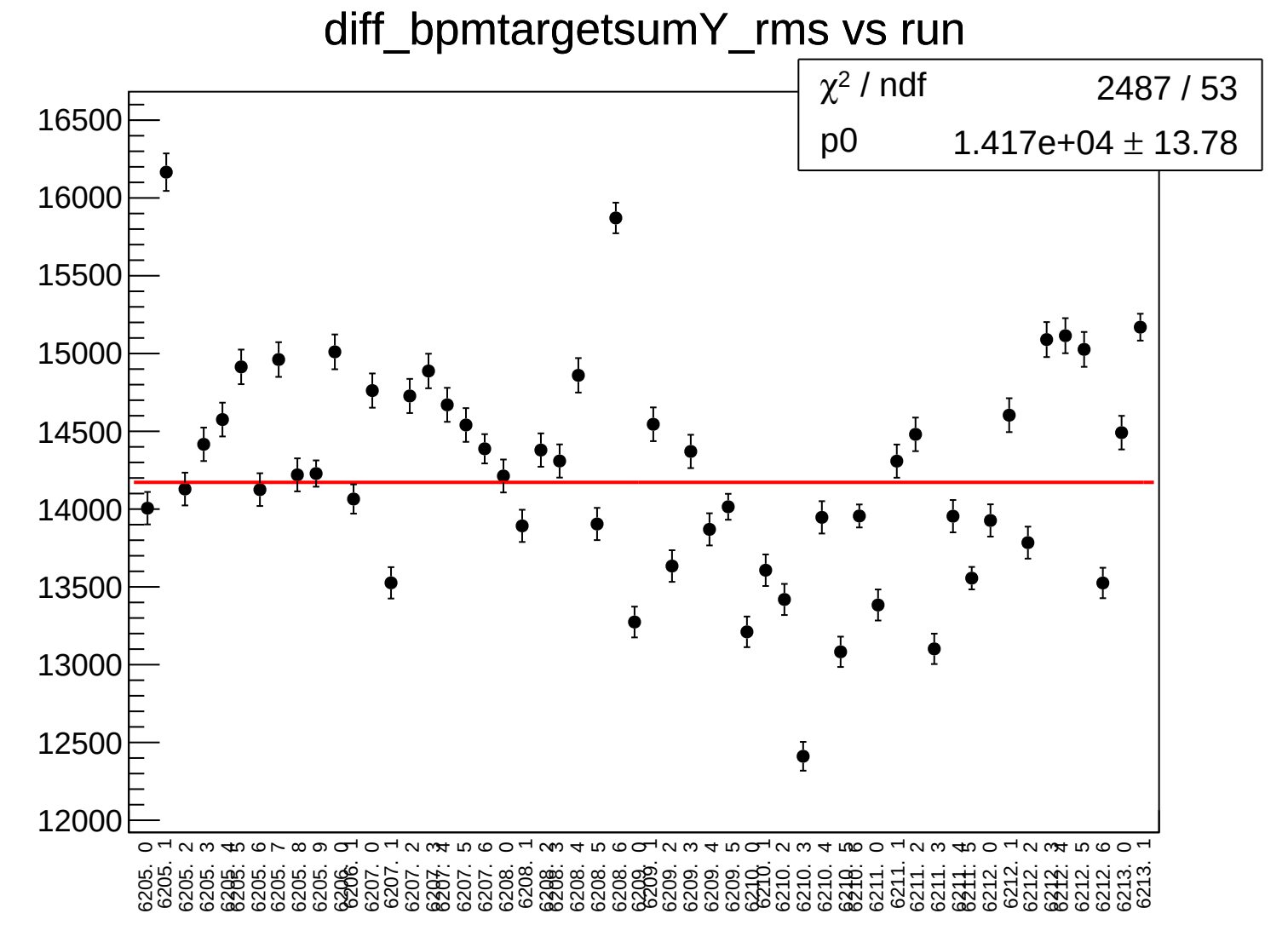

diff_bpmtargetdiffX_mean vs run
χ² / ndf 37.45 / 53
p0 −1.156 ± 3.739
pull
Entries 54
Mean 61.82
Std Dev 74.41

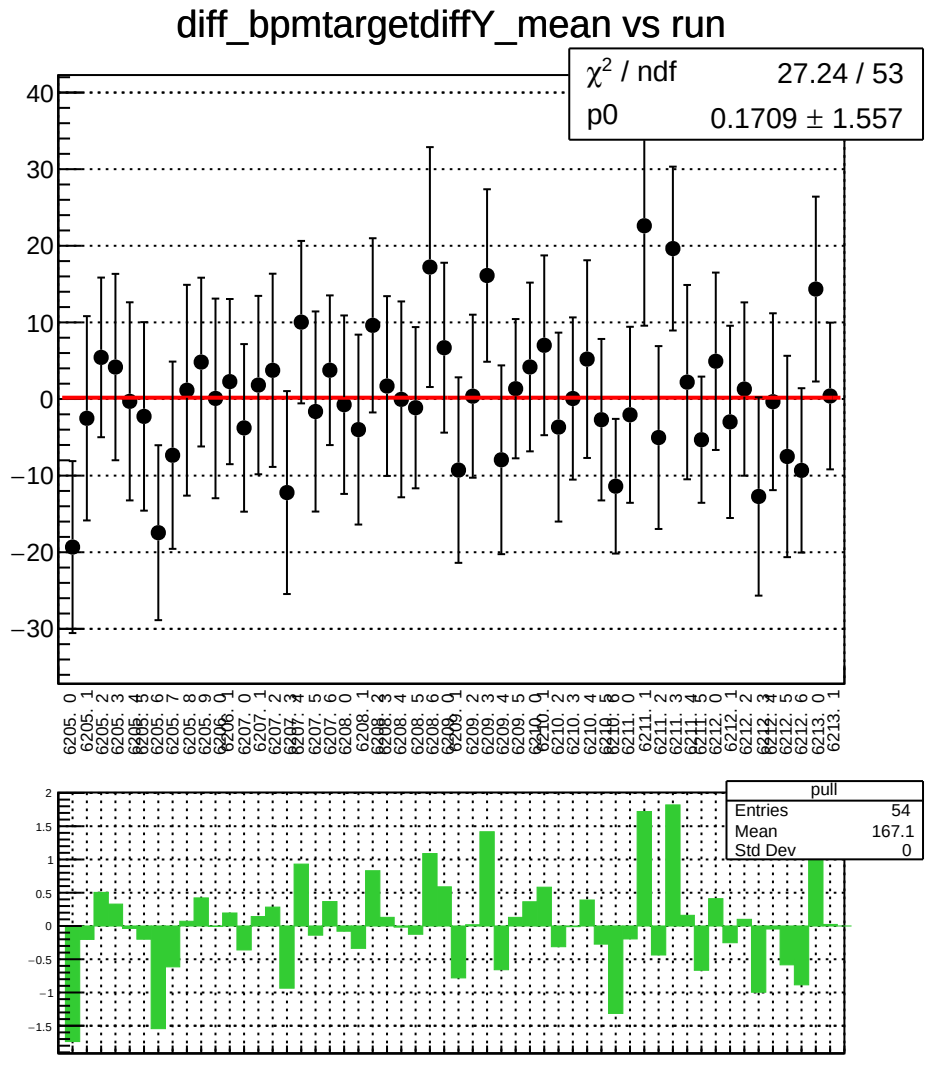

pull1D
Entries 54
Mean −0.006611
Std Dev 0.8328

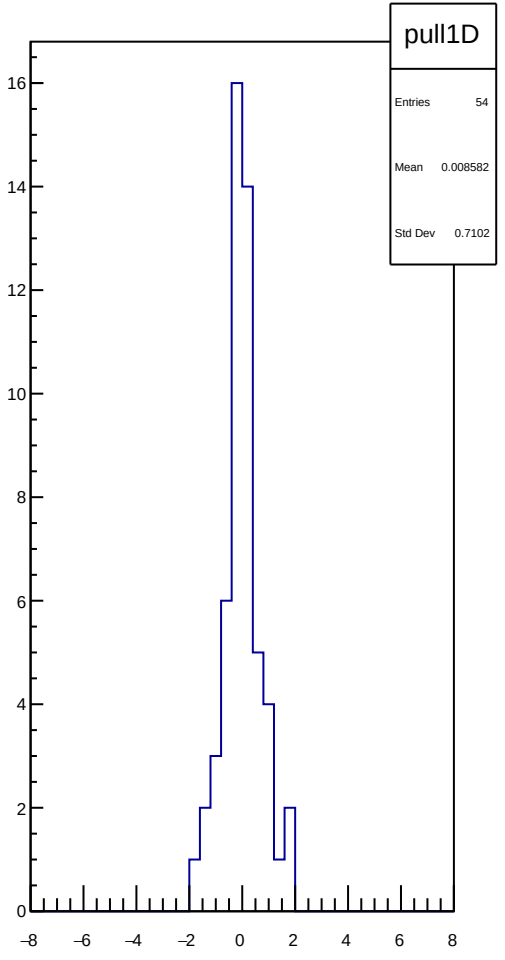

diff_bpmtargetdiffX_rms vs run
χ² / ndf 1.054e+04 / 53
p0 2708 ± 2.644
3600
3400
3200
3000
2800
2600
2400
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

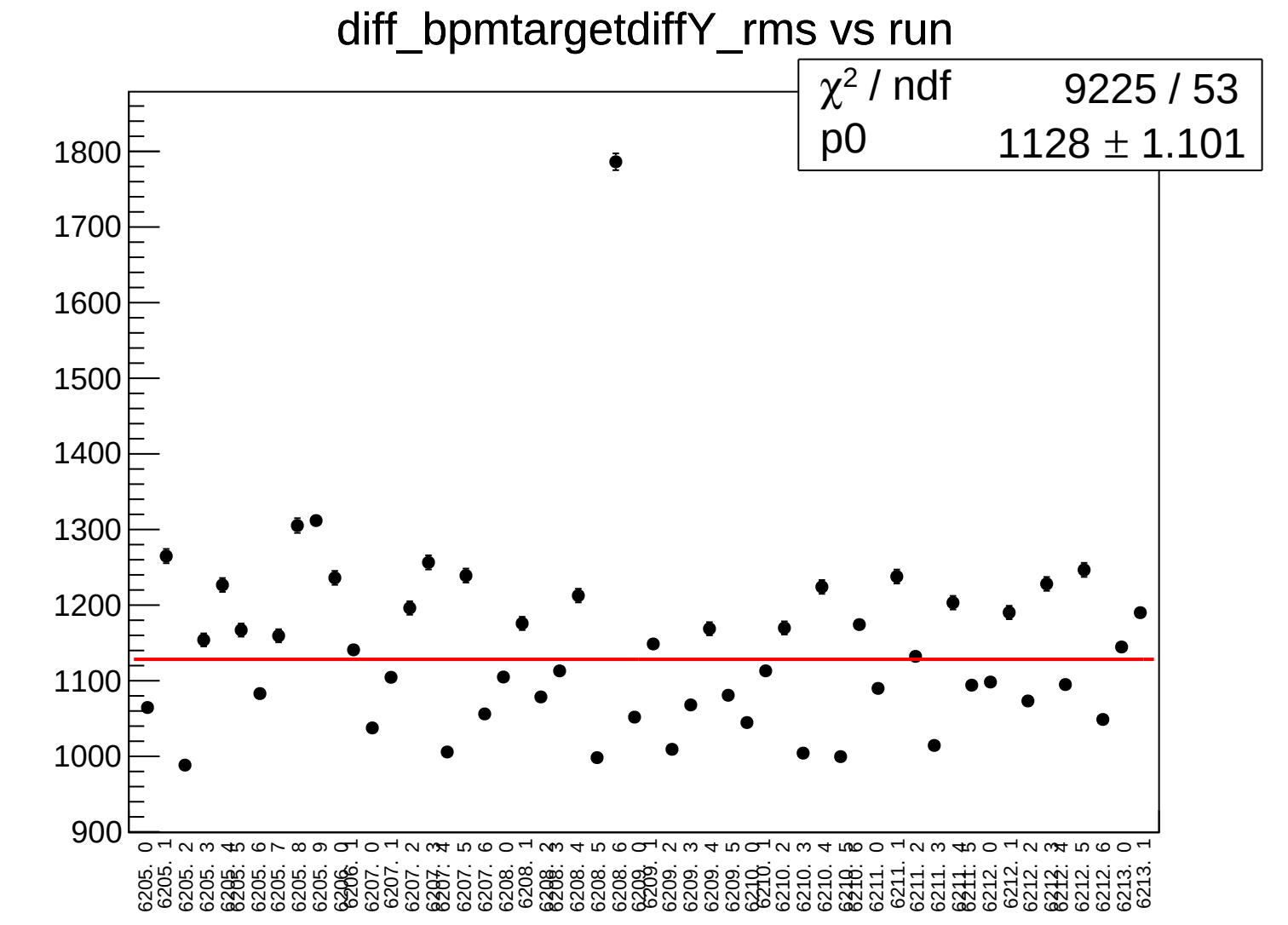

diff_bpmtargetsumY_mean vs run
χ² / ndf 49.66 / 53
p0 −28.56 ± 19.49
pull
Entries 54
Mean 135.2
Std Dev 0

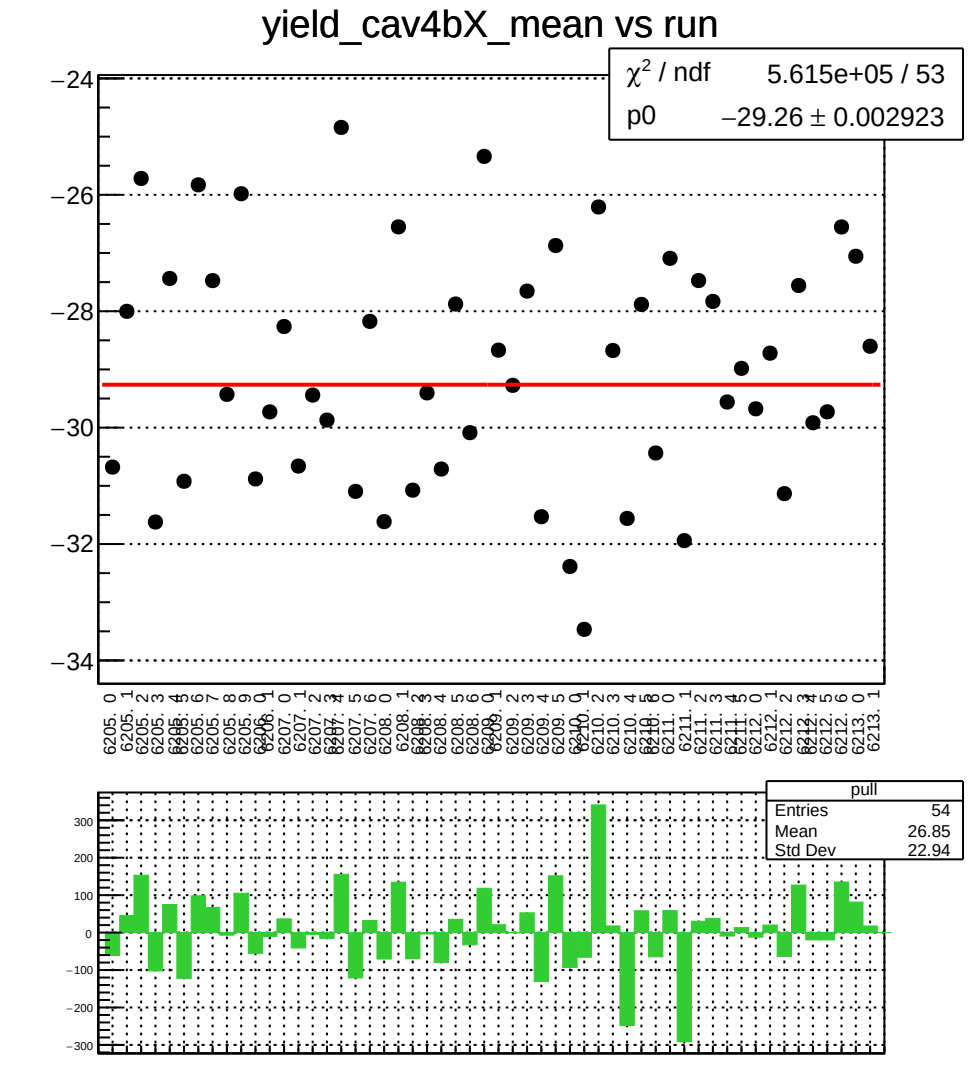

pull1D
Entries 54
Mean −0.004523
Std Dev 0.959

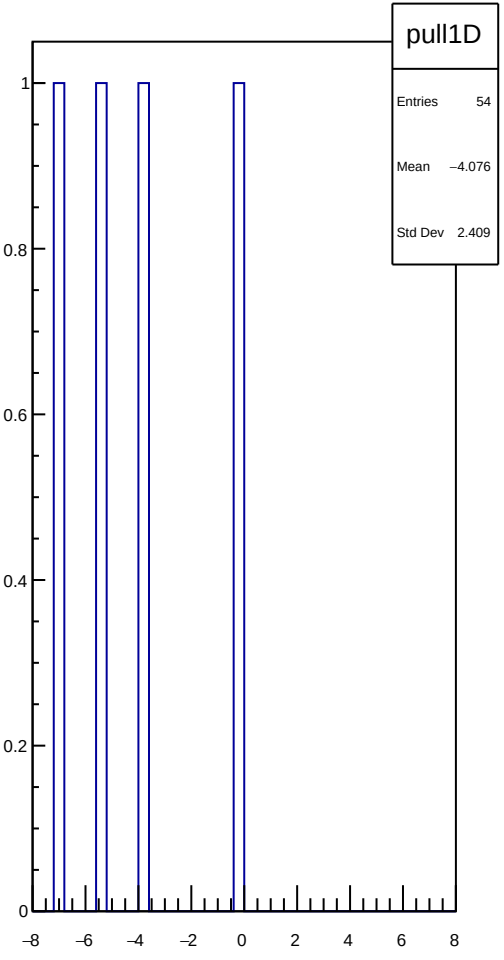

diff_bpmtargetsumY_rms vs run
χ² / ndf 2487 / 53
p0 1.417e+04 ± 13.78
16500
16000
15500
15000
14500
14000
13500
13000
12500
12000
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 1
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

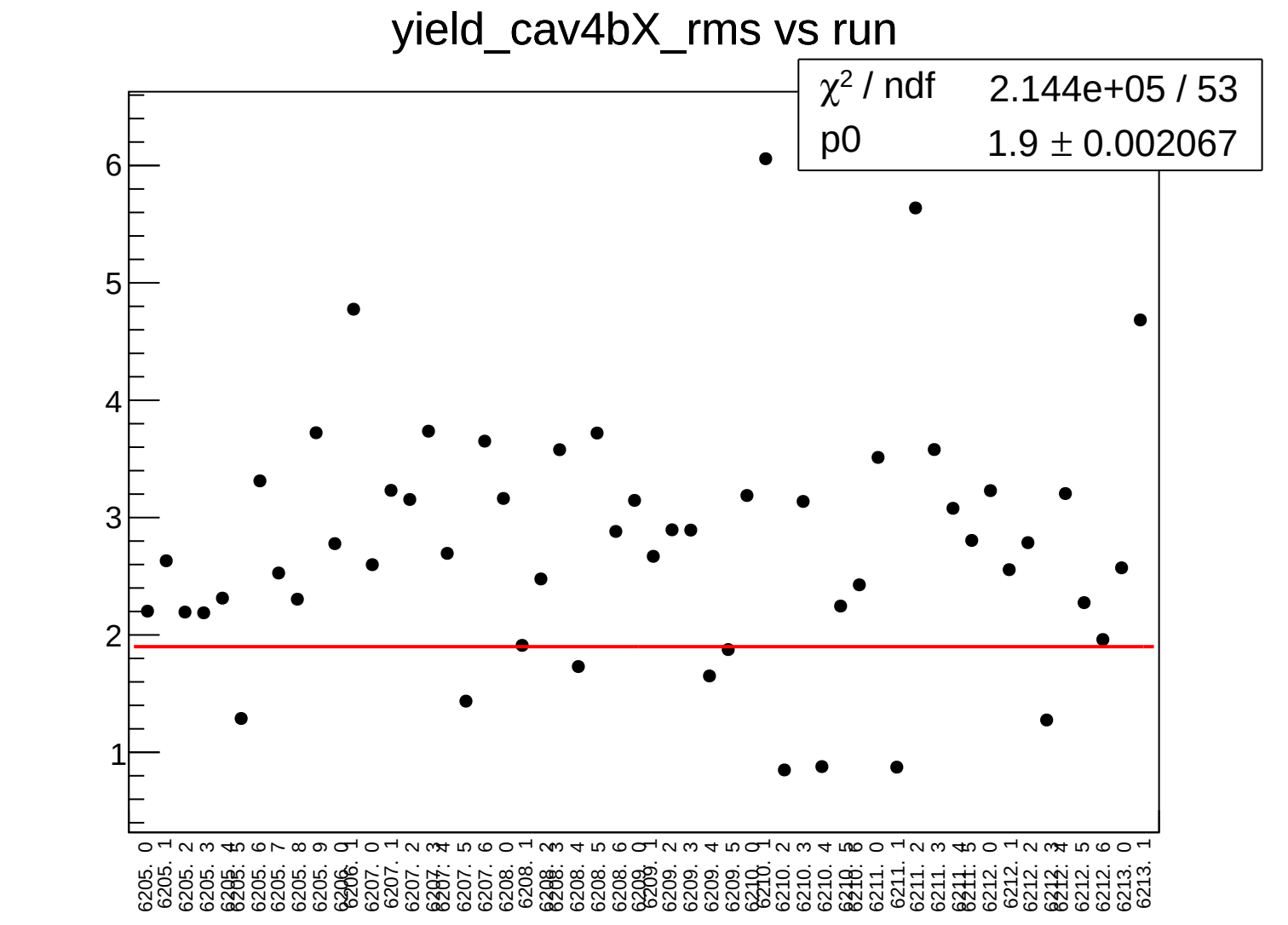

diff_bpmtargetdiffY_mean vs run
χ² / ndf 27.24 / 53
p0 0.1709 ± 1.557
pull
Entries 54
Mean 167.1
Std Dev 0

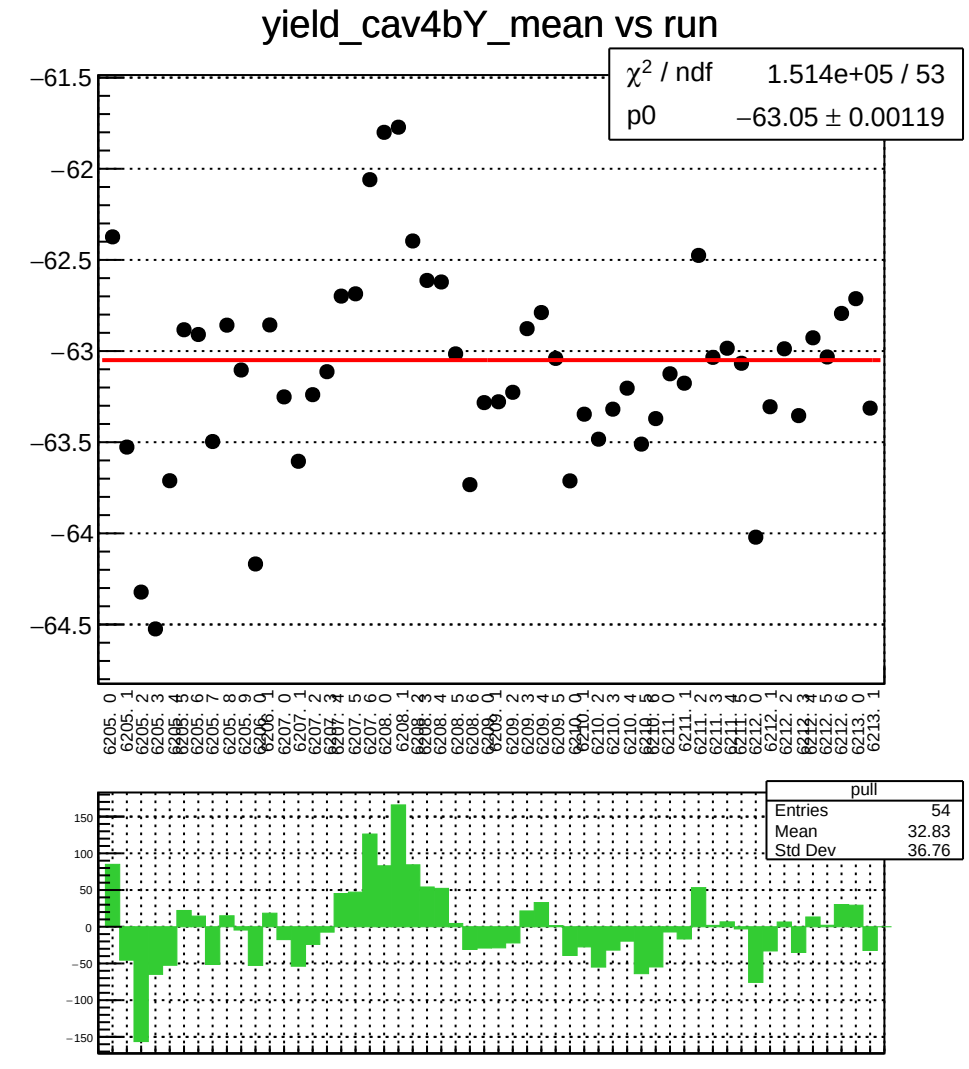

pull1D
Entries 54
Mean 0.008582
Std Dev 0.7102

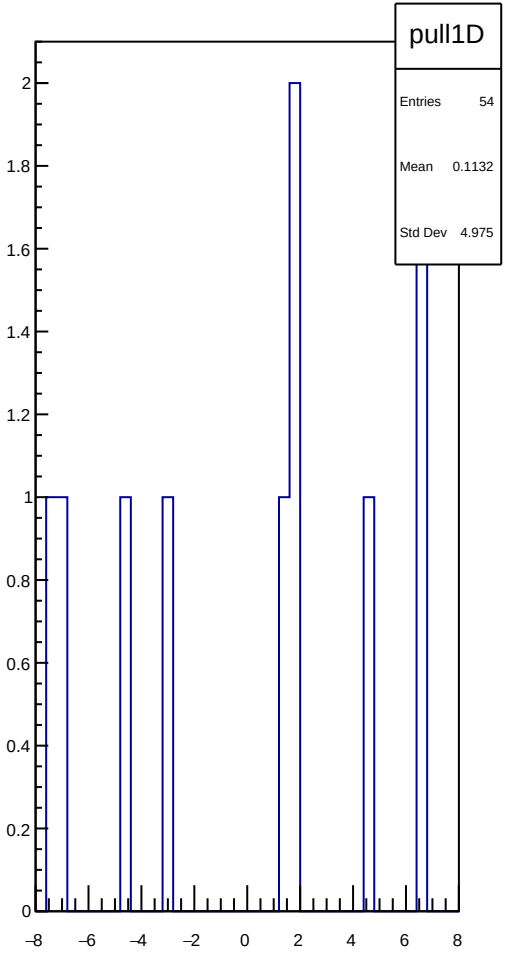

diff_bpmtargetdiffY_rms vs run
χ² / ndf 9225 / 53
p0 1128 ± 1.101
1800
1700
1600
1500
1400
1300
1200
1100
1000
900
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

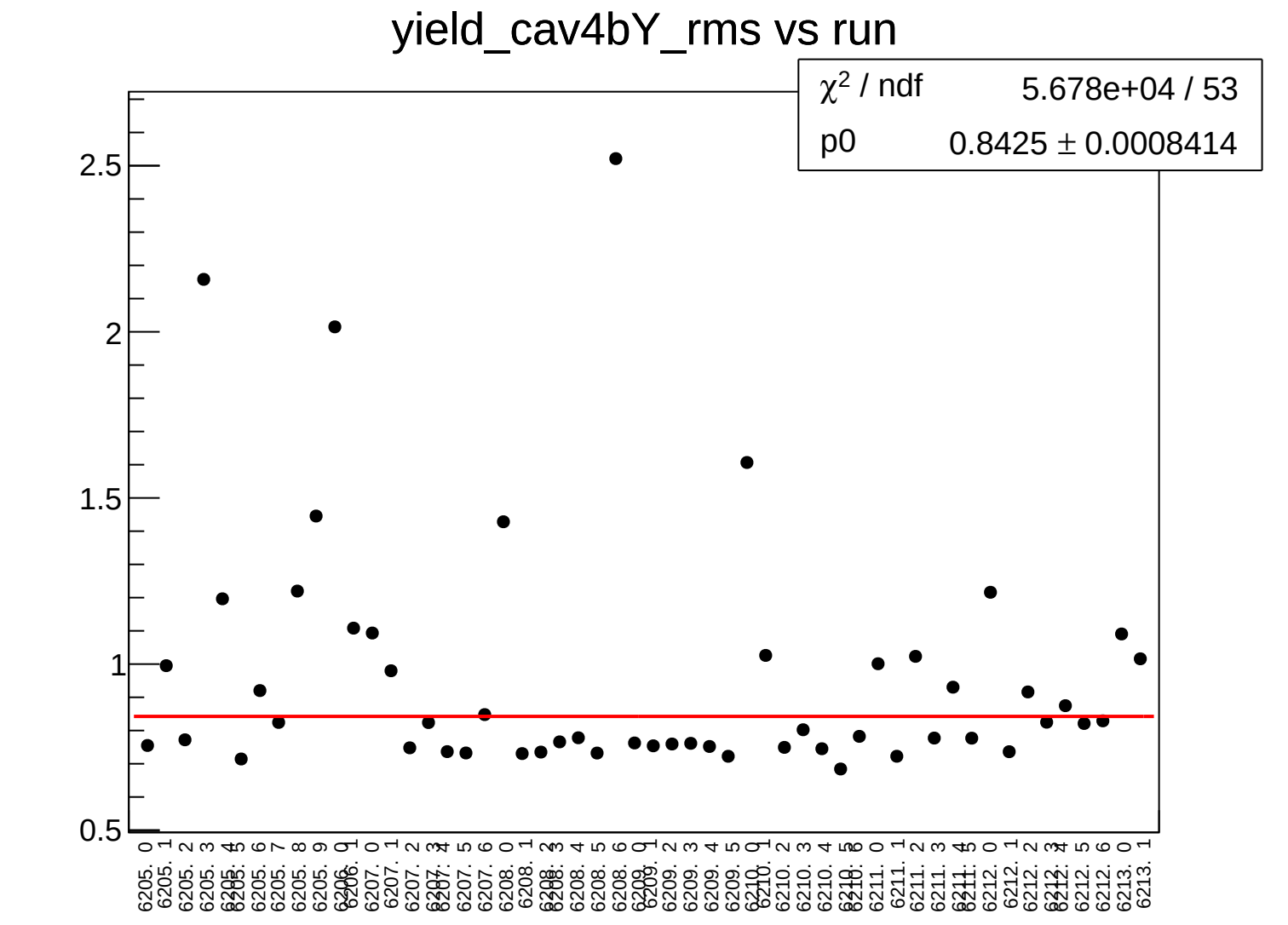

yield_cav4bX_mean vs run
χ² / ndf 5.615e+05 / 53
p0 −29.26 ± 0.002923
pull
Entries 54
Mean 26.85
Std Dev 22.94

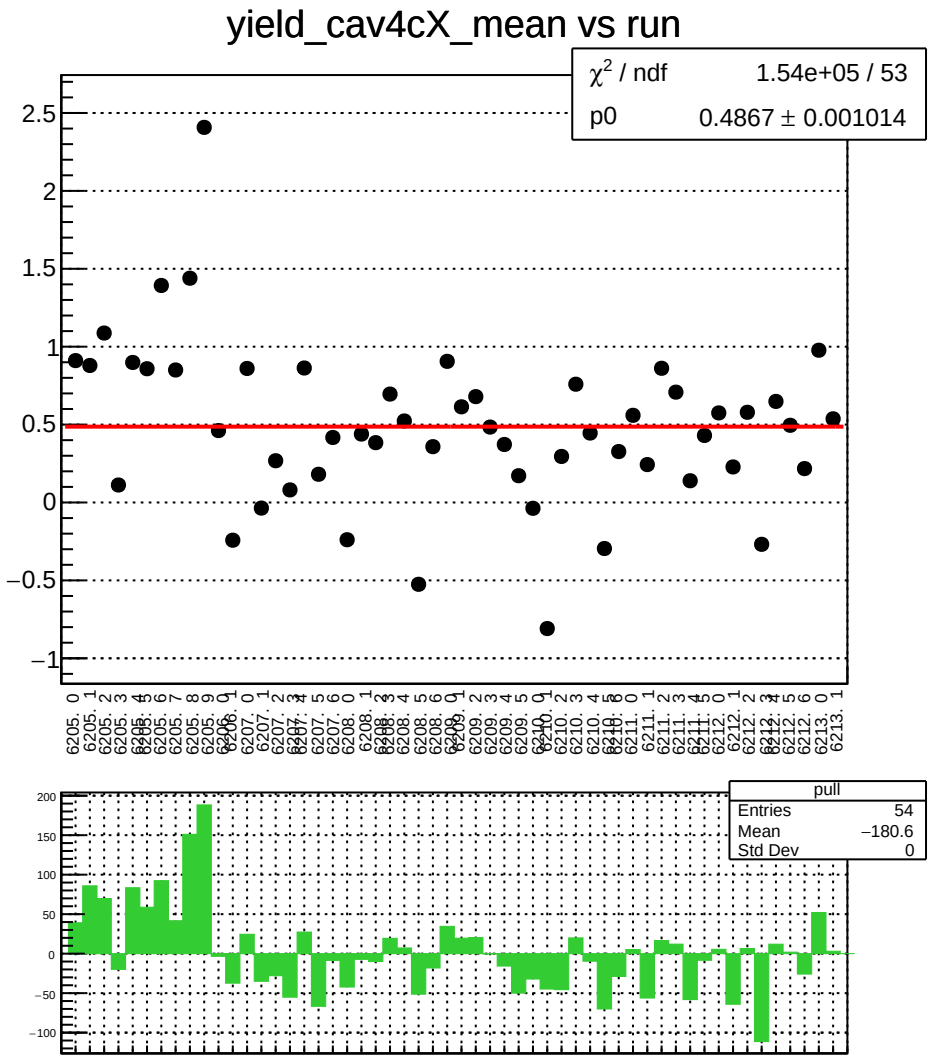

pull1D
Entries 54
Mean −4.076
Std Dev 2.409

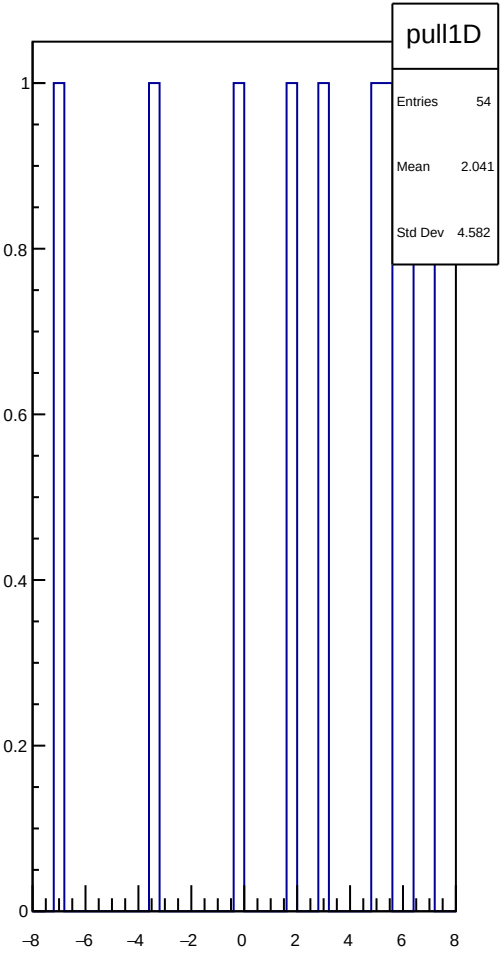

yield_cav4bX_rms vs run
χ² / ndf 2.144e+05 / 53
p0 1.9 ± 0.002067
6
5
4
3
2
1
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 1
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

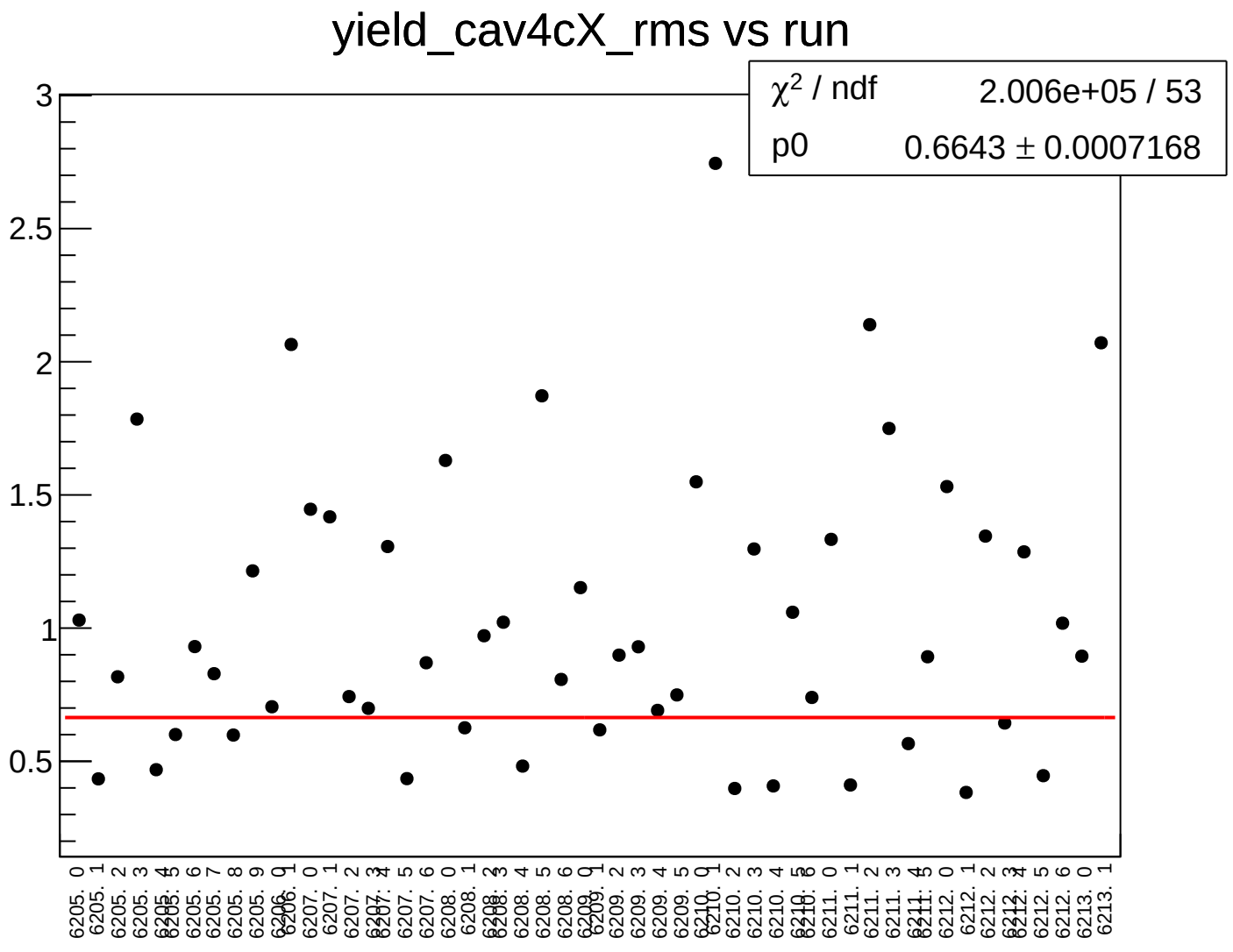

yield_cav4bY_mean vs run
χ² / ndf 1.514e+05 / 53
p0 −63.05 ± 0.00119
pull
Entries 54
Mean 32.83
Std Dev 36.76

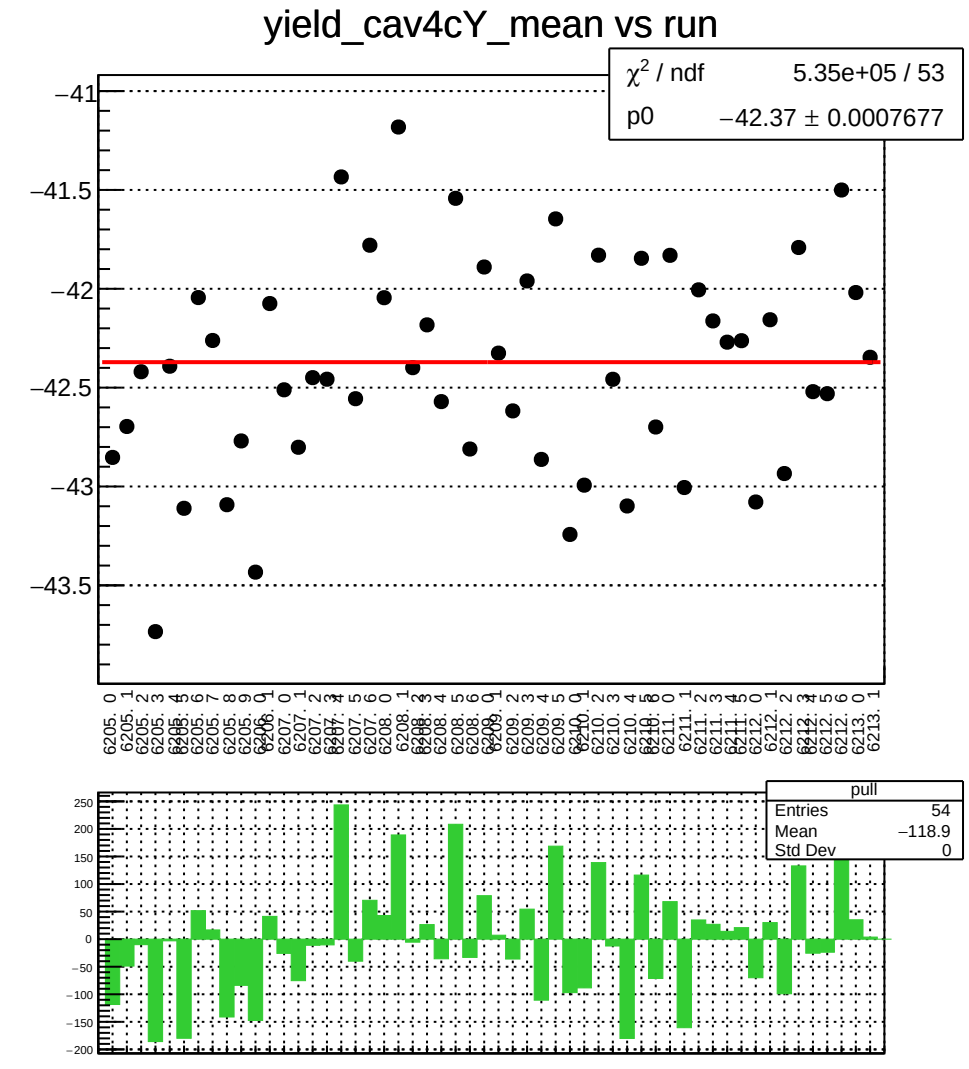

pull1D
Entries 54
Mean 0.1132
Std Dev 4.975

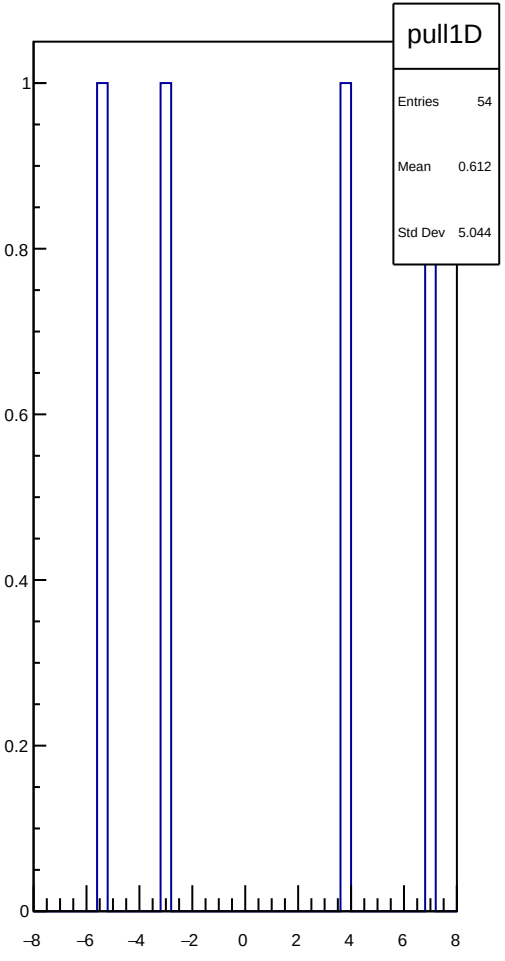

yield_cav4bY_rms vs run
χ² / ndf 5.678e+04 / 53
p0 0.8425 ± 0.0008414
2.5
2
1.5
1
0.5
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

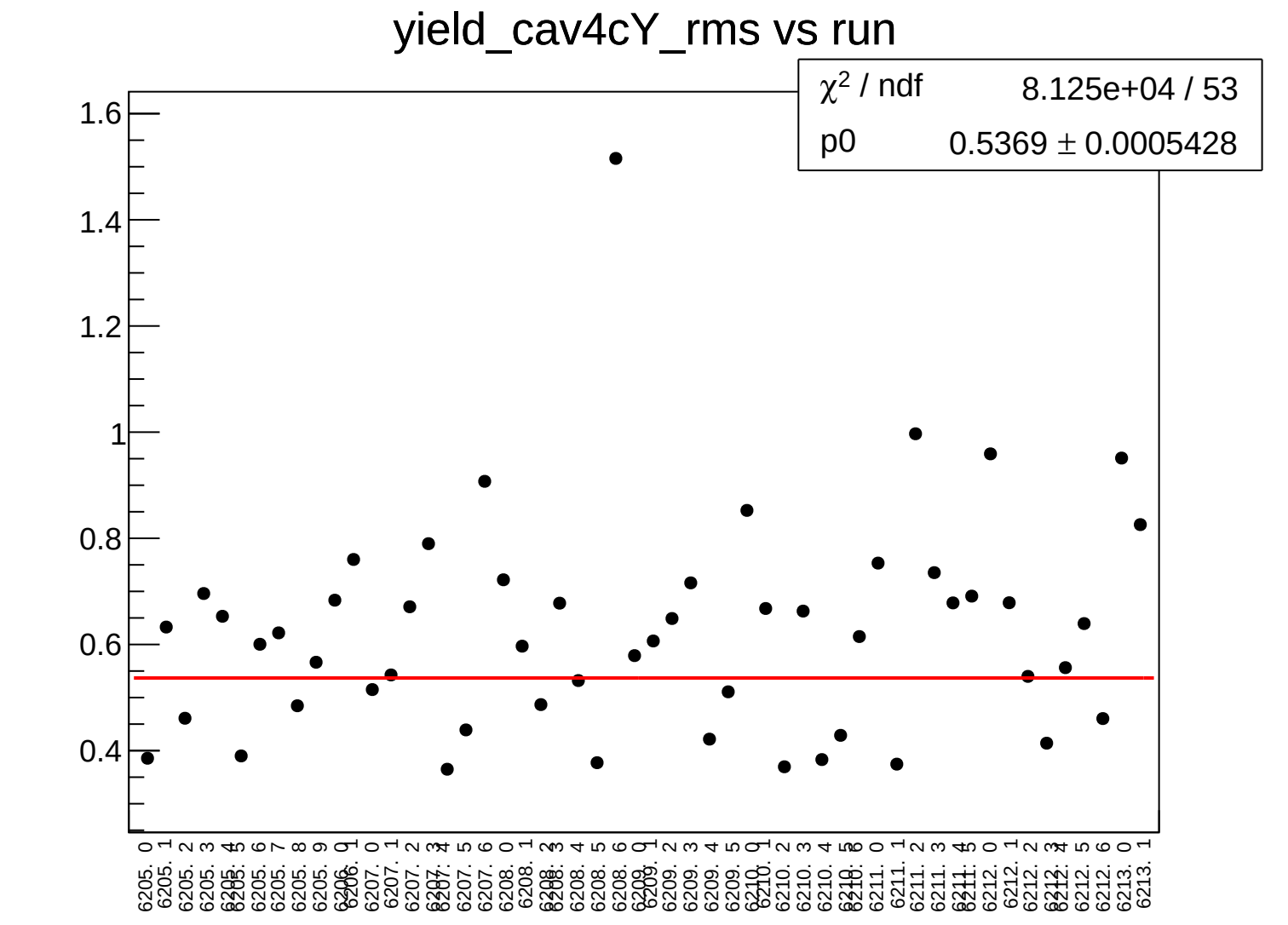

yield_cav4cX_mean vs run
χ² / ndf 1.54e+05 / 53
p0 0.4867 ± 0.001014
pull
Entries 54
Mean −180.6
Std Dev 0

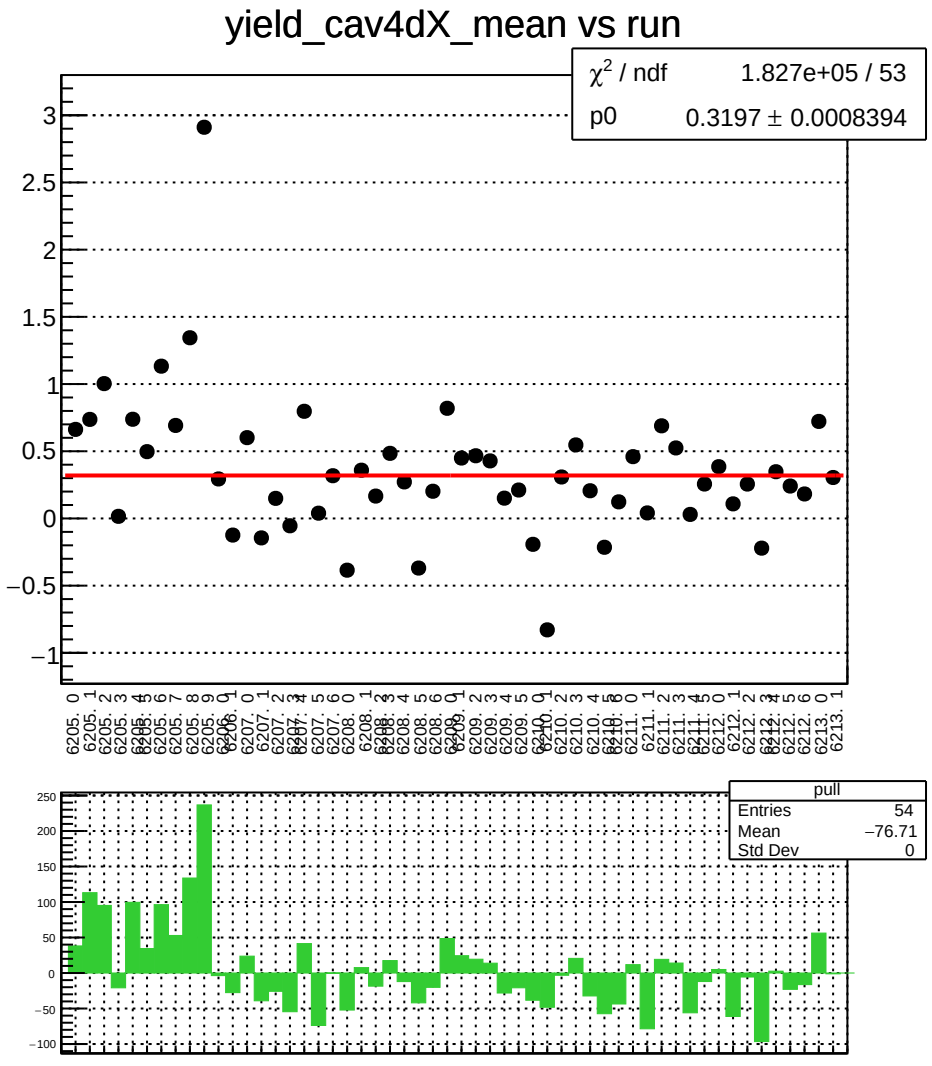

pull1D
Entries 54
Mean 2.041
Std Dev 4.582

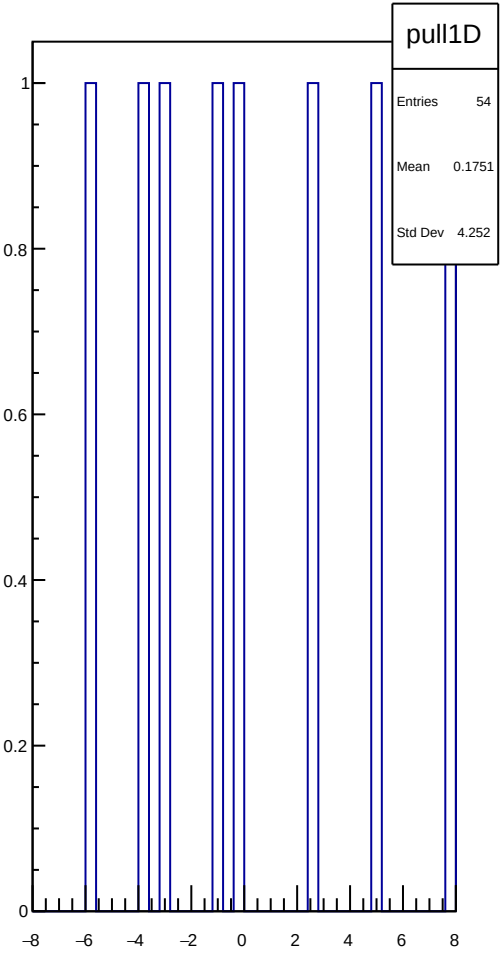

yield_cav4cX_rms vs run
χ² / ndf 2.006e+05 / 53
p0 0.6643 ± 0.0007168
3
2.5
2
1.5
1
0.5
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

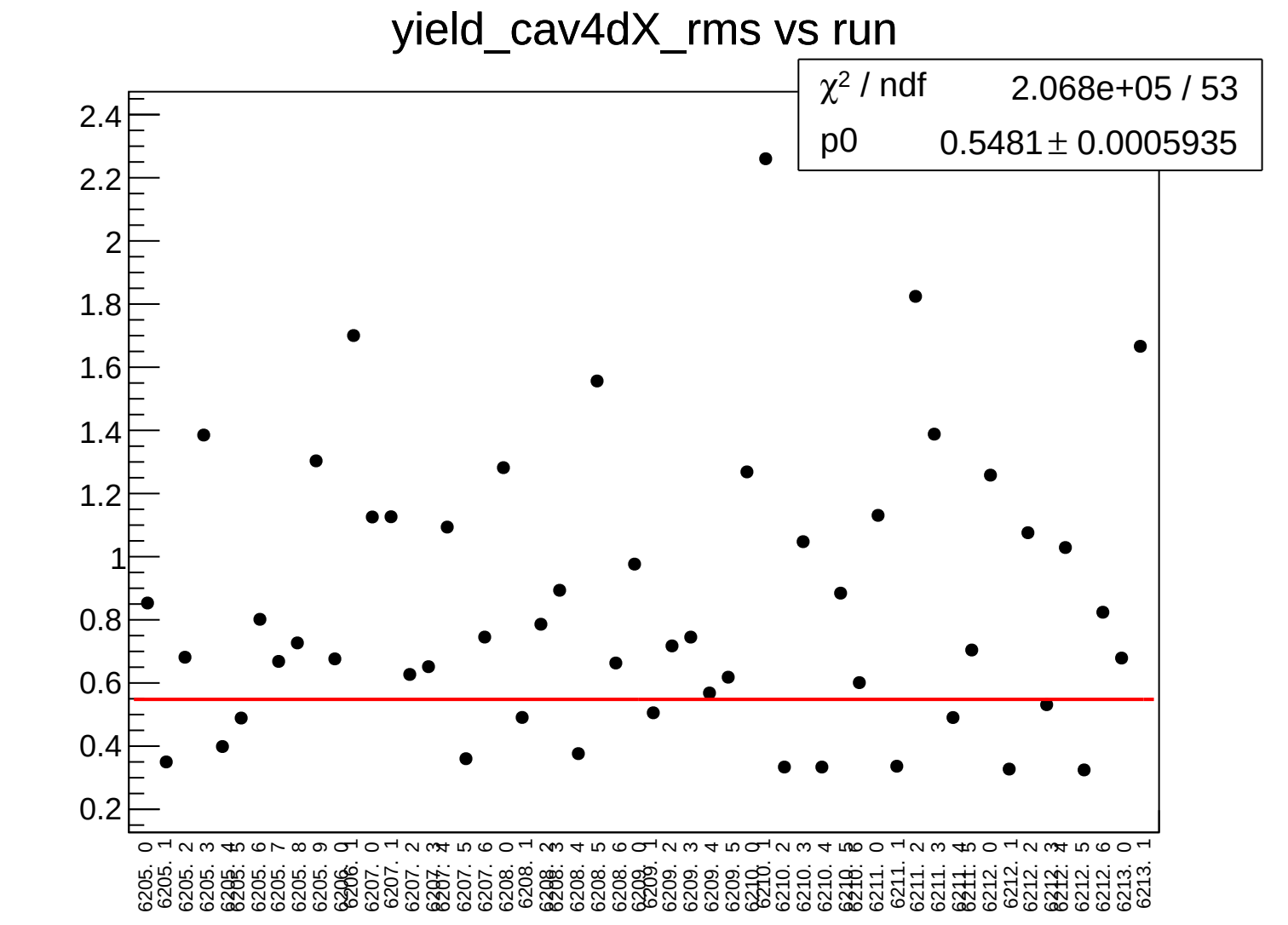

yield_cav4cY_mean vs run
χ² / ndf 5.35e+05 / 53
p0 −42.37 ± 0.0007677
pull
Entries 54
Mean −118.9
Std Dev 0

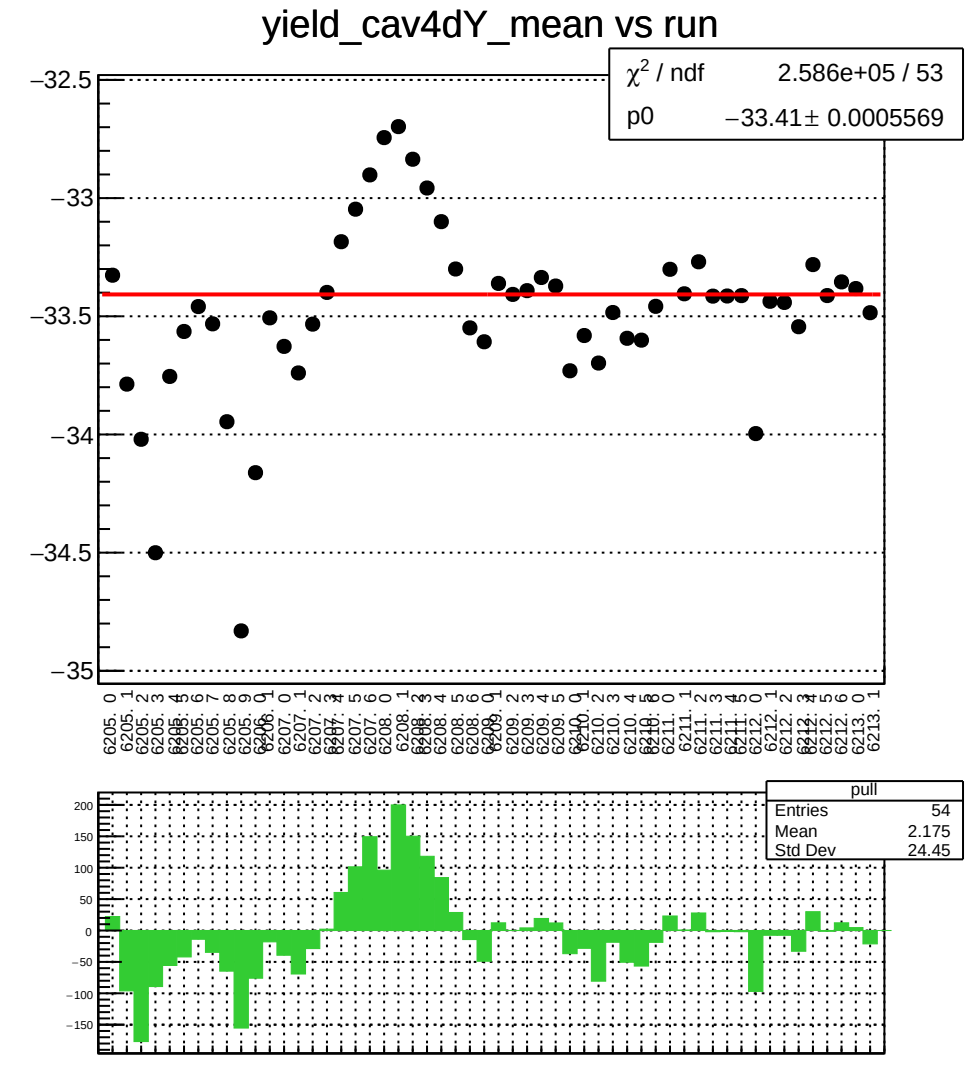

pull1D
Entries 54
Mean 0.612
Std Dev 5.044

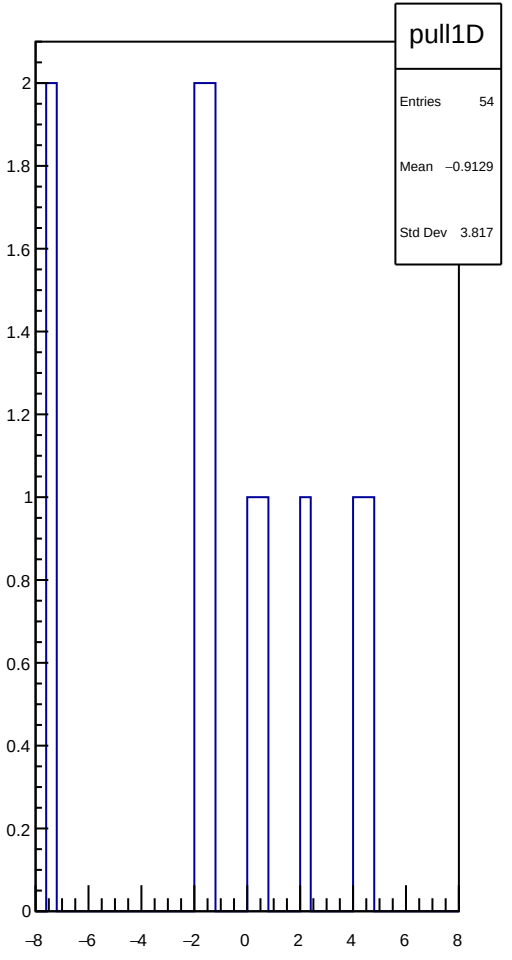

yield_cav4cY_rms vs run
χ² / ndf 8.125e+04 / 53
p0 0.5369 ± 0.0005428
1.6
1.4
1.2
1
0.8
0.6
0.4
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

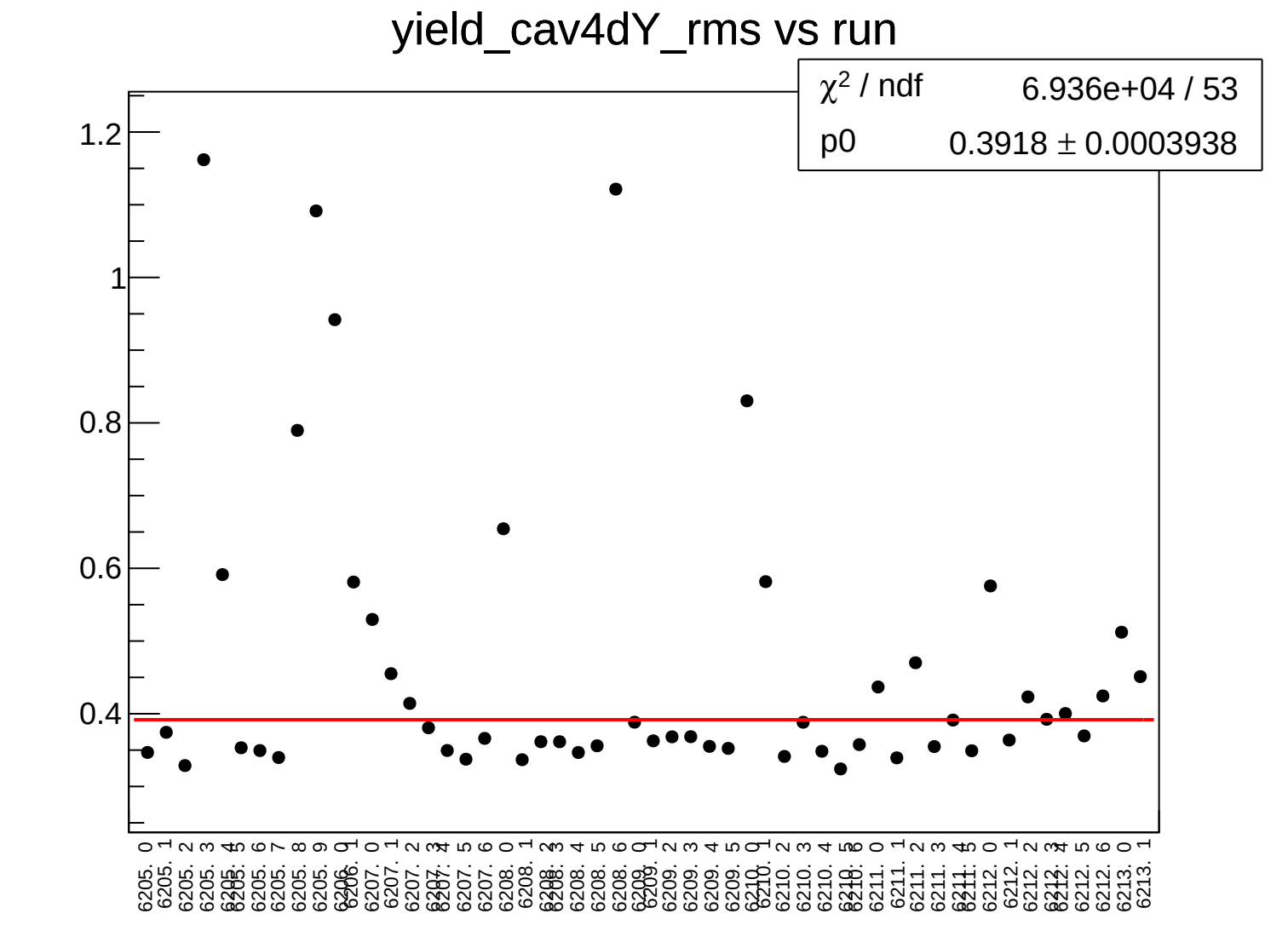

yield_cav4dX_mean vs run
χ² / ndf 1.827e+05 / 53
p0 0.3197 ± 0.0008394
pull
Entries 54
Mean −76.71
Std Dev 0

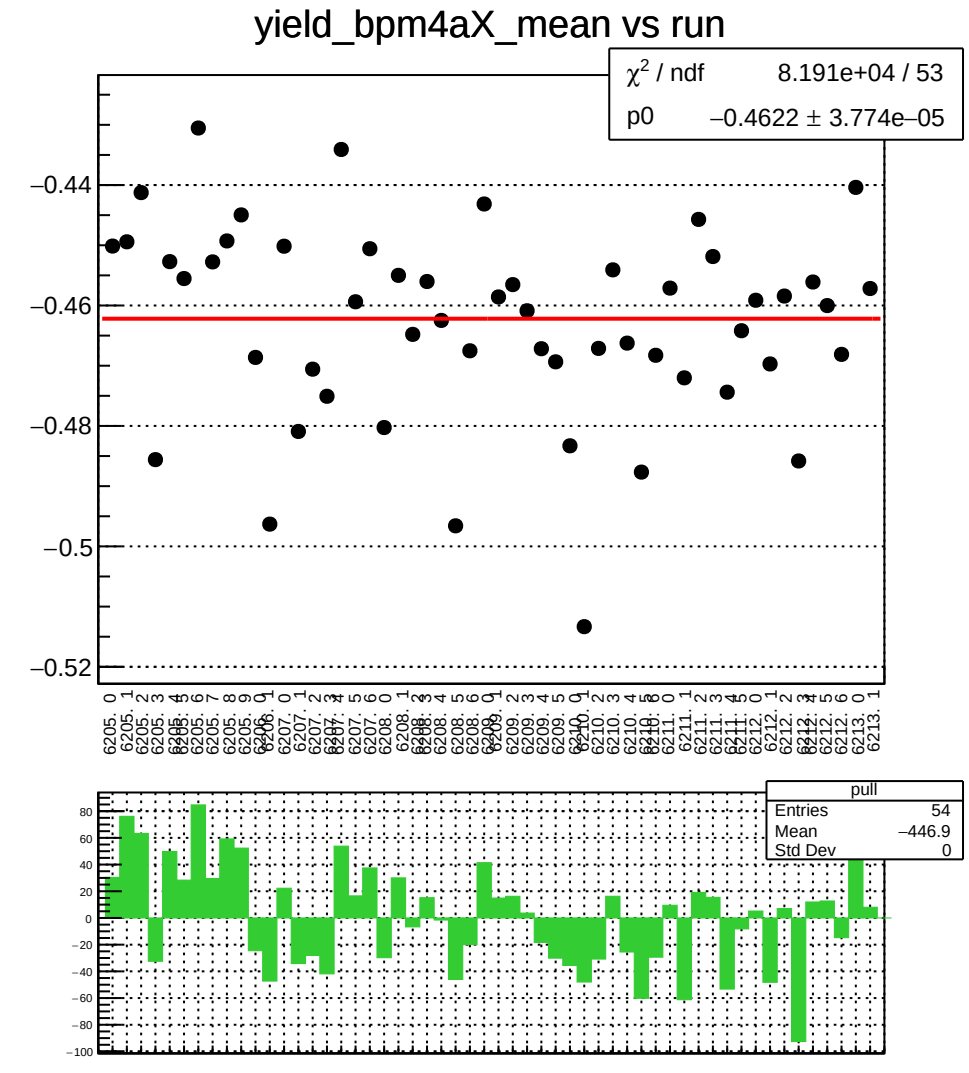

pull1D
Entries 54
Mean 0.1751
Std Dev 4.252

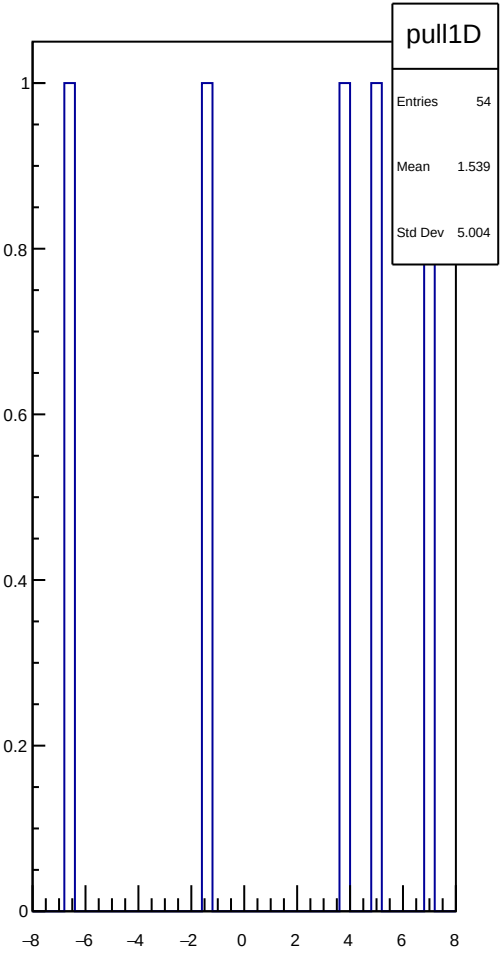

yield_cav4dX_rms vs run
χ² / ndf 2.068e+05 / 53
p0 0.5481 ± 0.0005935
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

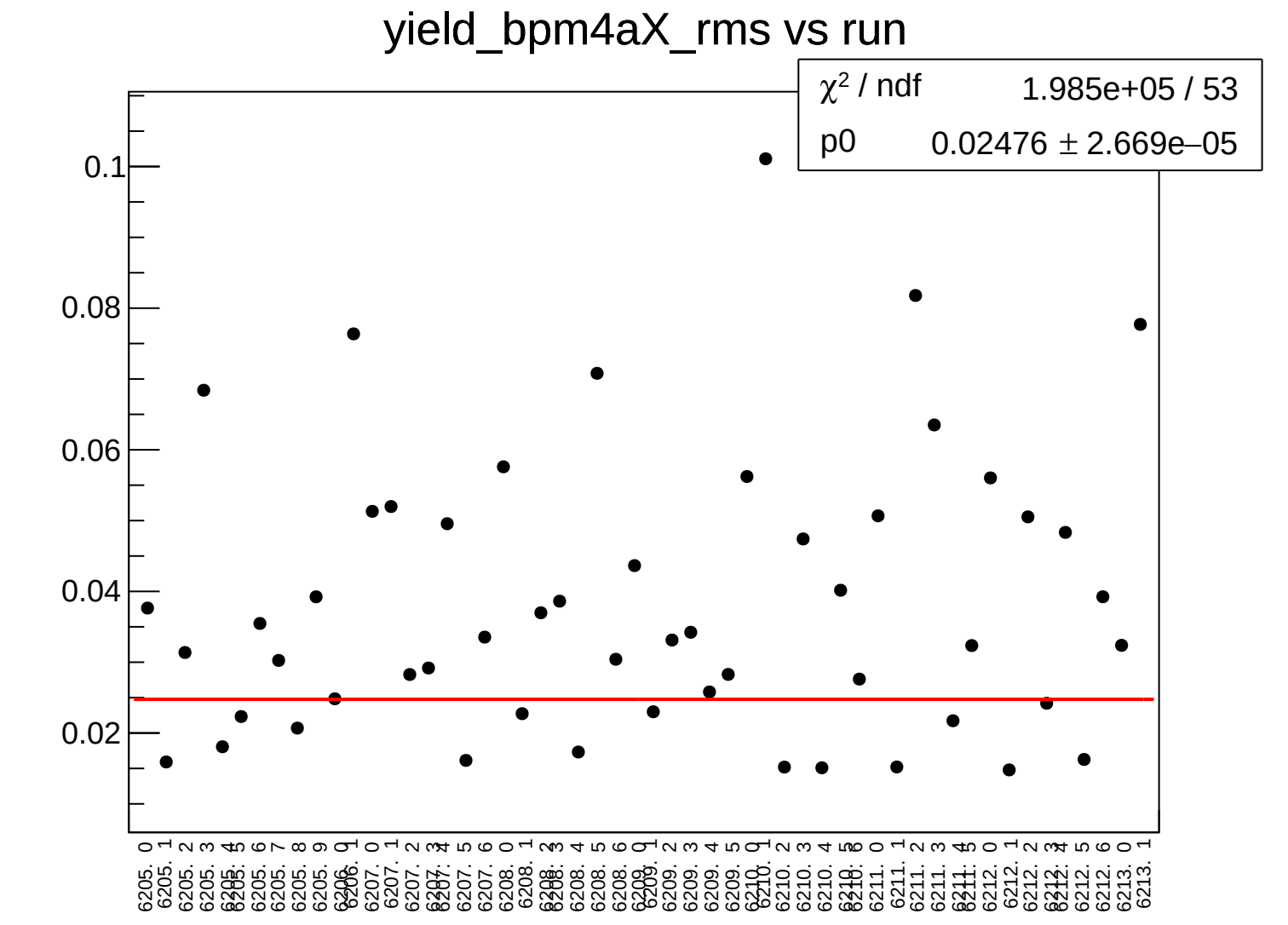

yield_cav4dY_mean vs run
χ² / ndf 2.586e+05 / 53
p0 −33.41 ± 0.0005569
−32.5
−33
−33.5
−34
−34.5
−35
pull
Entries 54
Mean 2.175
Std Dev 24.45
200
150
100
50
0
−50
−100
−150

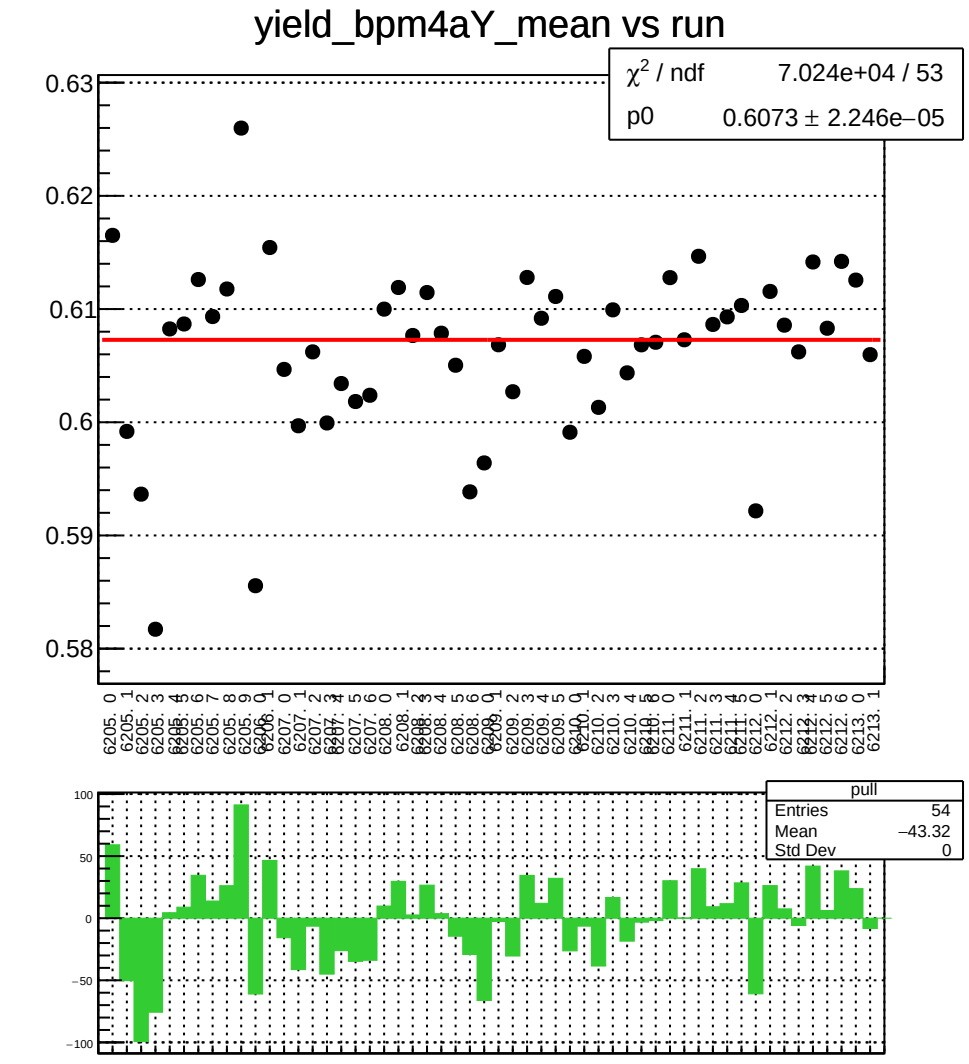

pull1D
Entries 54
Mean −0.9129
Std Dev 3.817
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

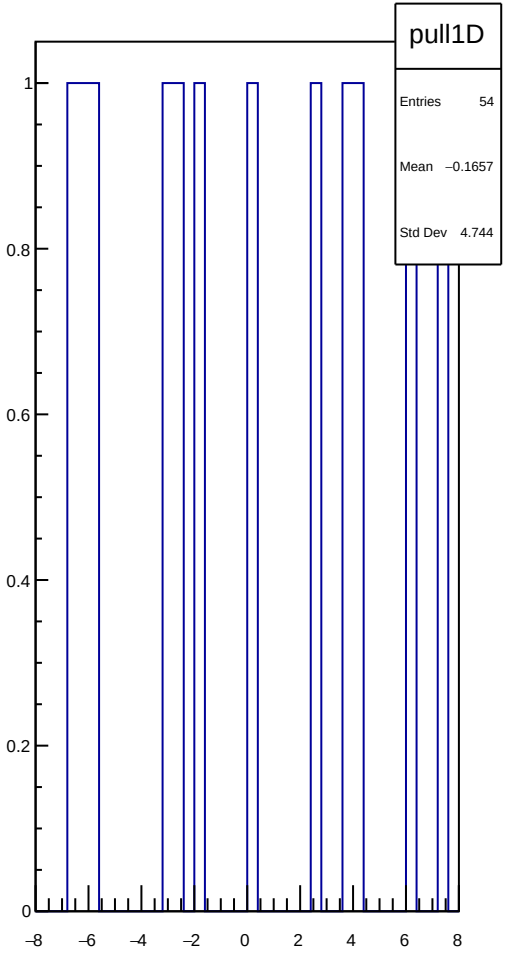

yield_cav4dY_rms vs run
χ² / ndf 6.936e+04 / 53
p0 0.3918 ± 0.0003938
1.2
1
0.8
0.6
0.4
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

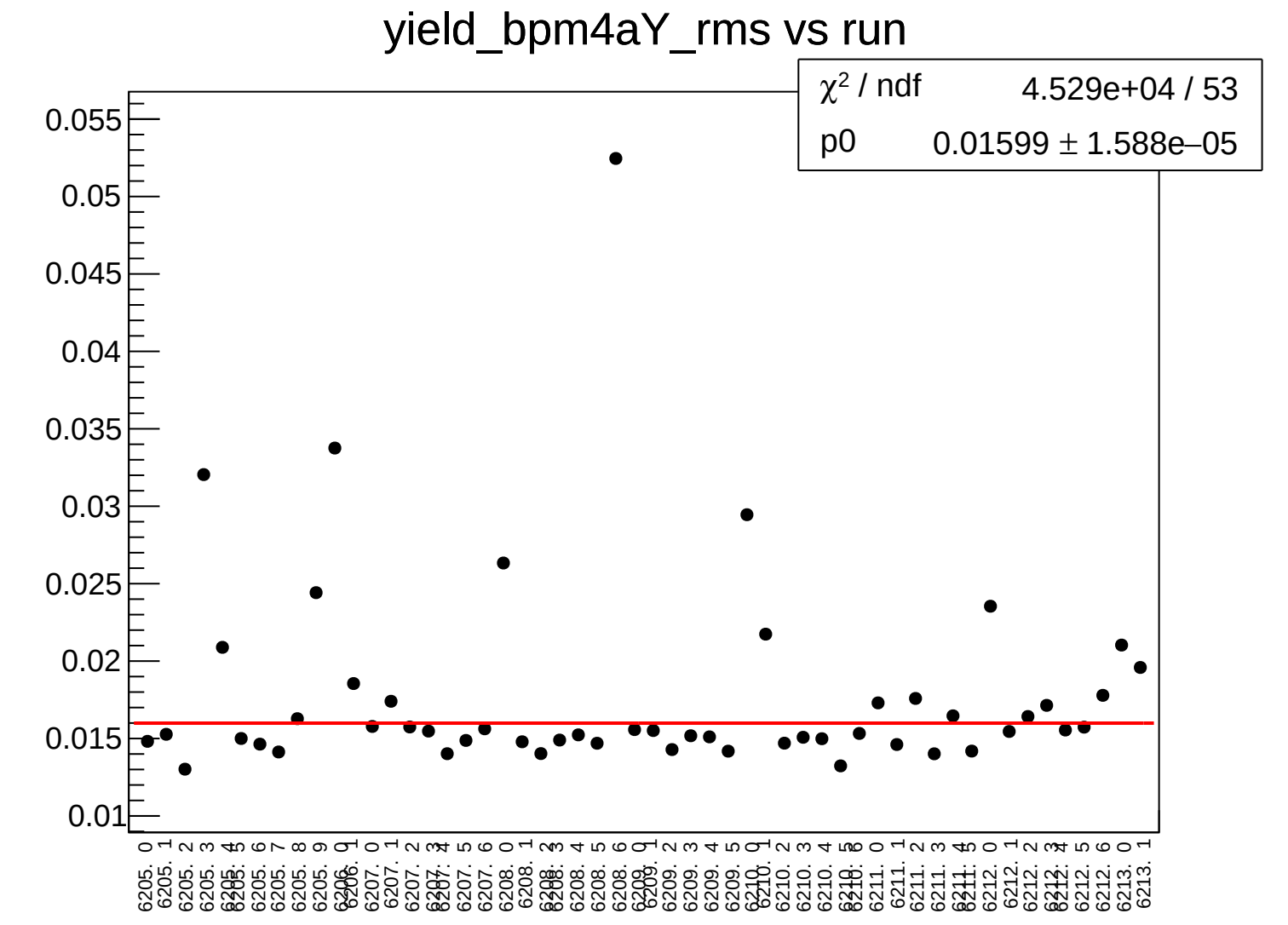

yield_bpm4aX_mean vs run
χ² / ndf 8.191e+04 / 53
p0 −0.4622 ± 3.774e−05
−0.44
−0.46
−0.48
−0.5
−0.52
pull
Entries 54
Mean −446.9
Std Dev 0
80
60
40
20
0
−20
−40
−60
−80
−100

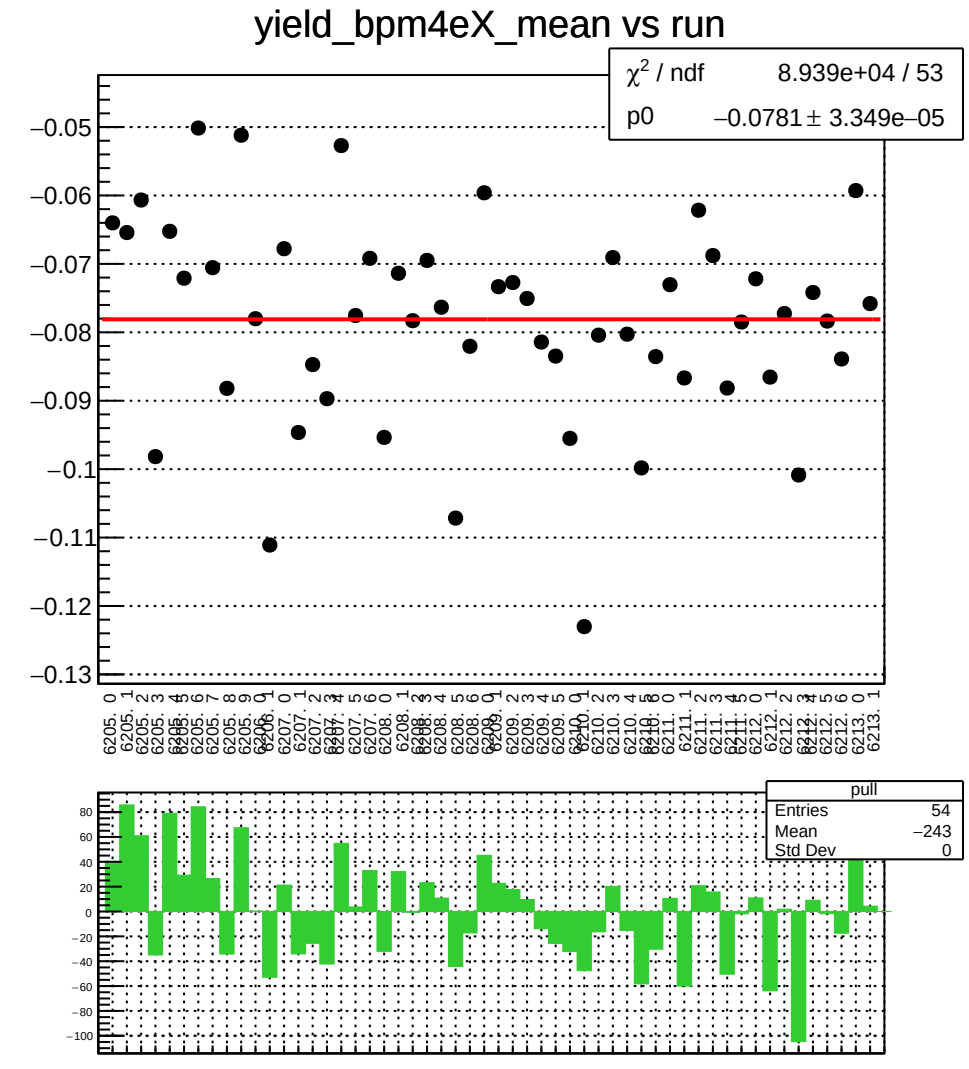

pull1D
Entries 54
Mean 1.539
Std Dev 5.004
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

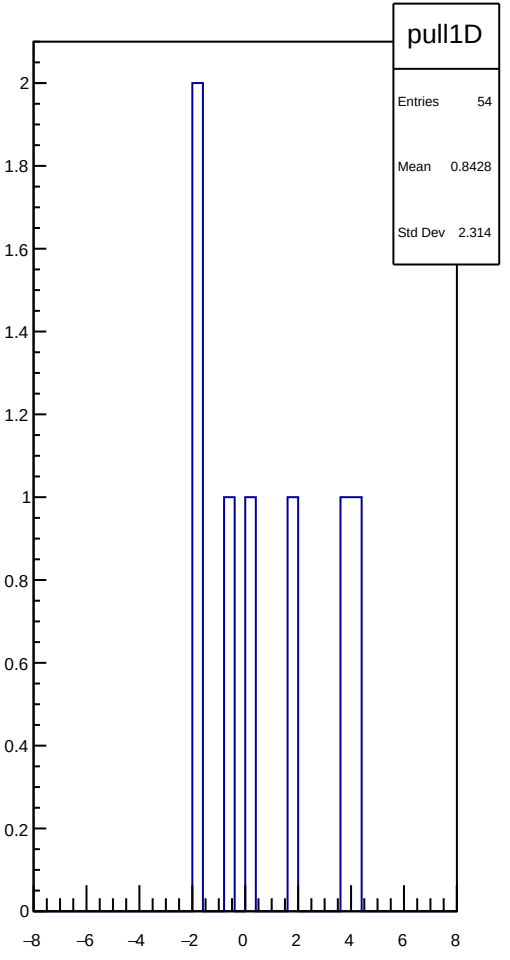

yield_bpm4aX_rms vs run
χ² / ndf 1.985e+05 / 53
p0 0.02476 ± 2.669e–05
0.1
0.08
0.06
0.04
0.02
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

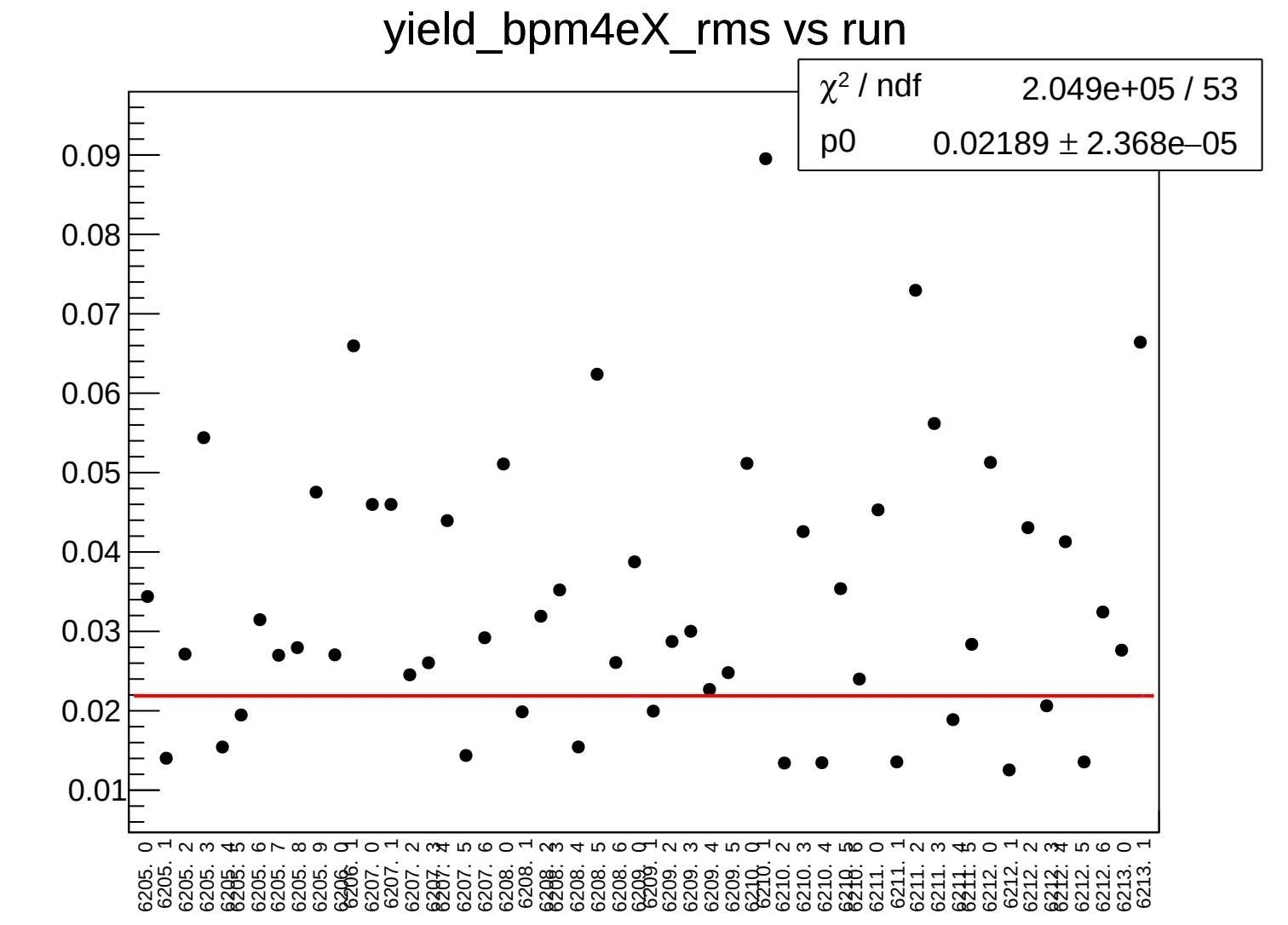

yield_bpm4aY_mean vs run
χ² / ndf 7.024e+04 / 53
p0 0.6073 ± 2.246e−05
0.63
0.62
0.61
0.6
0.59
0.58
pull
Entries 54
Mean −43.32
Std Dev 0
100
50
0
−50
−100

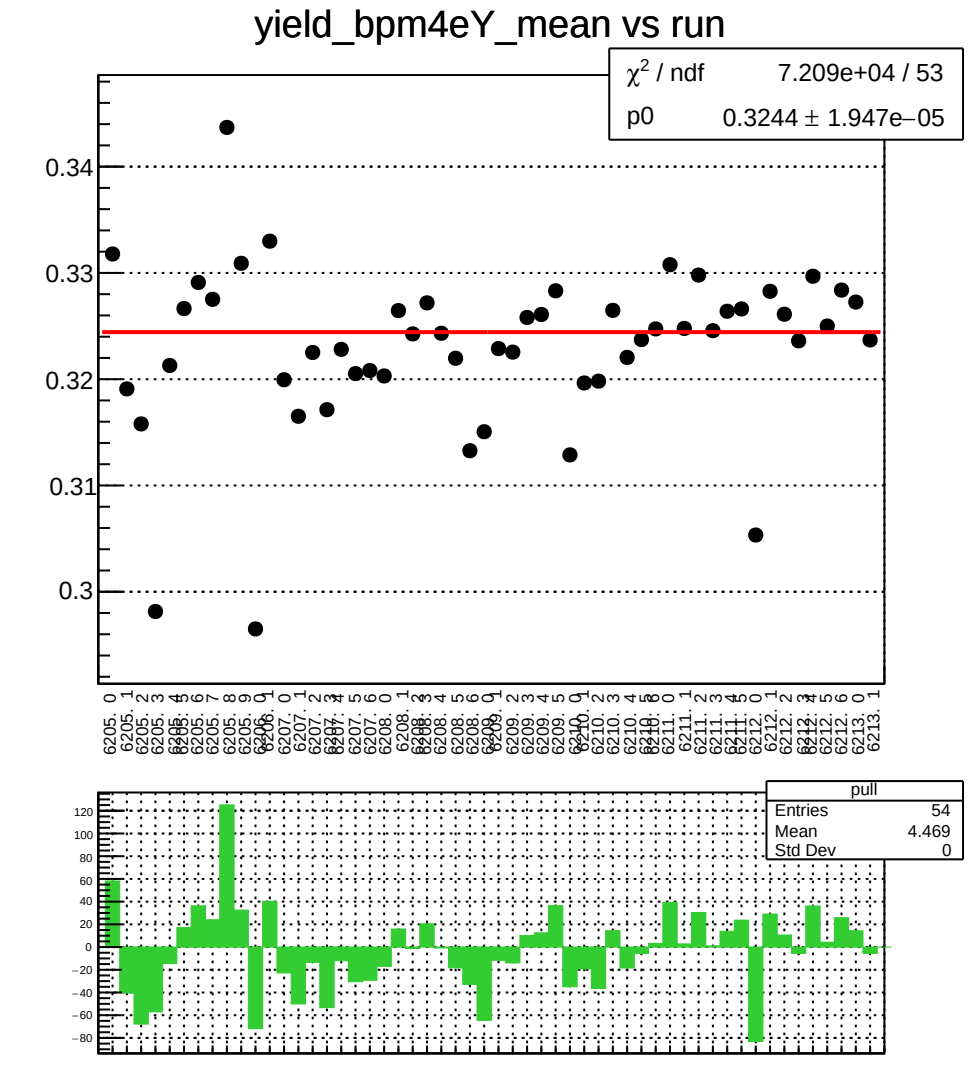

pull1D
Entries 54
Mean −0.1657
Std Dev 4.744
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

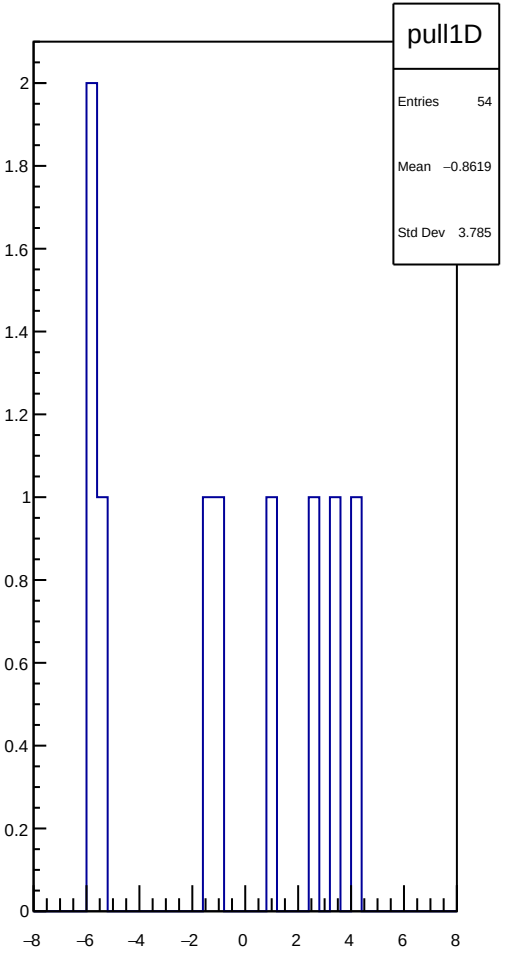

yield_bpm4aY_rms vs run
χ² / ndf 4.529e+04 / 53
p0 0.01599 ± 1.588e−05
0.055
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

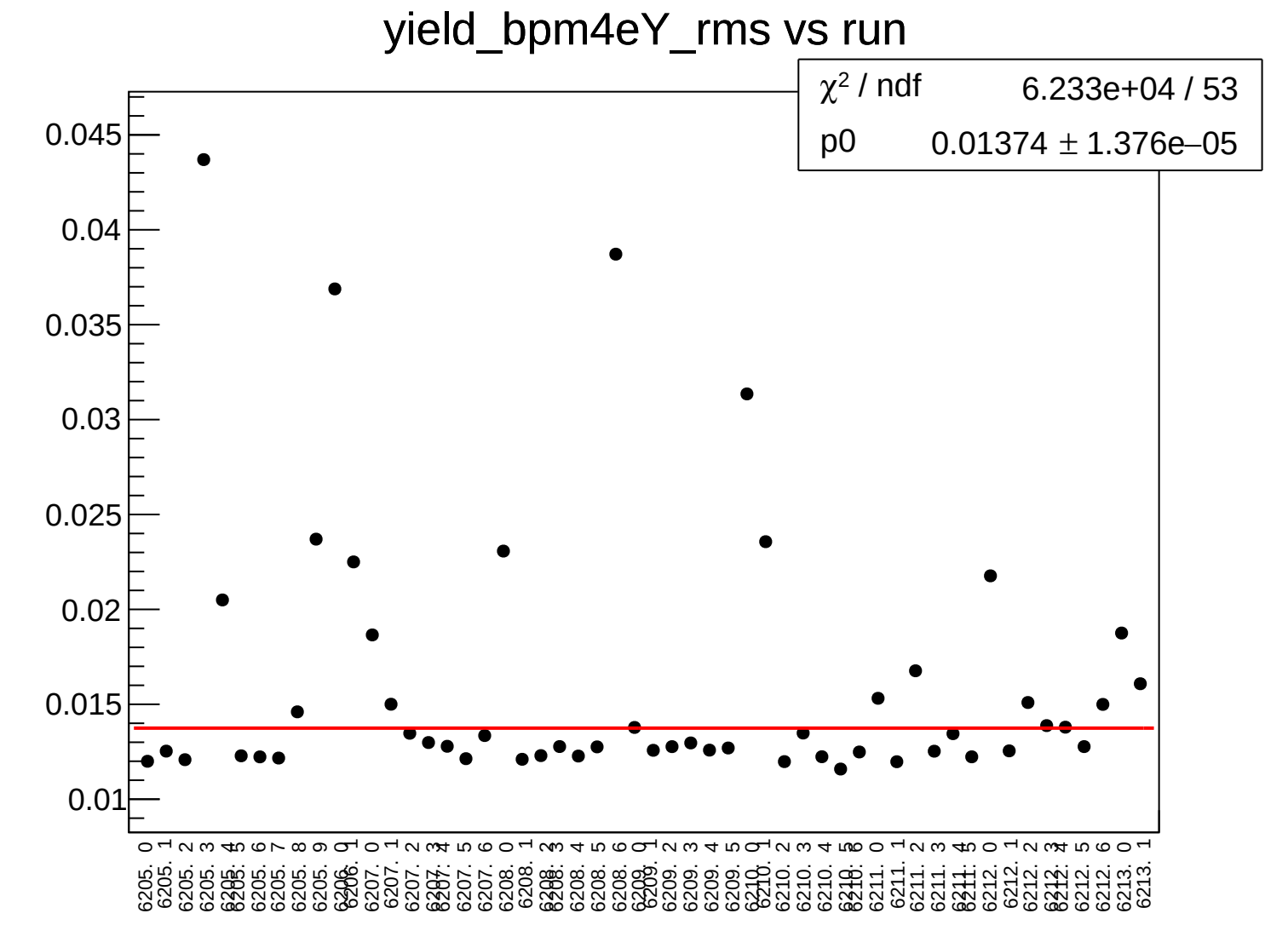

yield_bpm4eX_mean vs run
χ² / ndf 8.939e+04 / 53
p0 −0.0781 ± 3.349e−05
−0.05
−0.06
−0.07
−0.08
−0.09
−0.1
−0.11
−0.12
−0.13
pull
Entries 54
Mean −243
Std Dev 0
80
60
40
20
0
−20
−40
−60
−80
−100

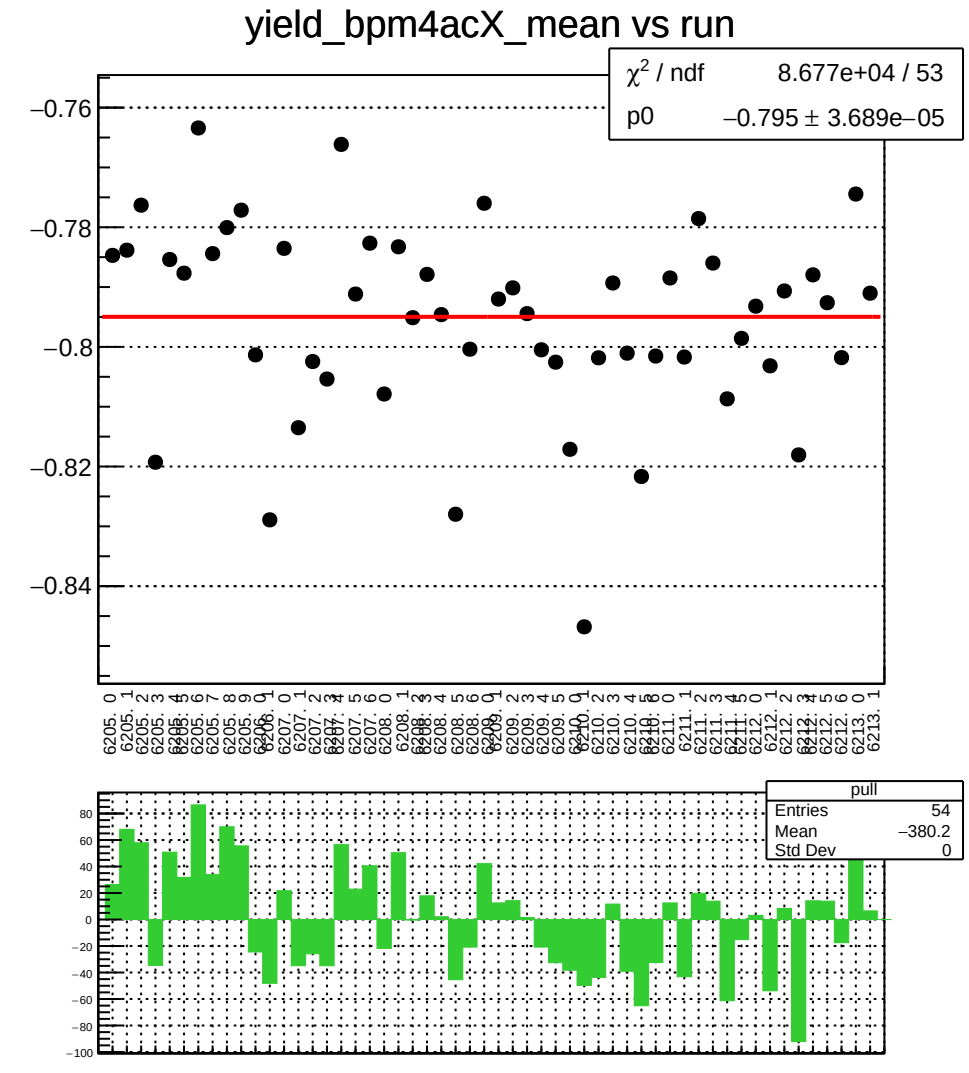

pull1D
Entries 54
Mean 0.8428
Std Dev 2.314
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

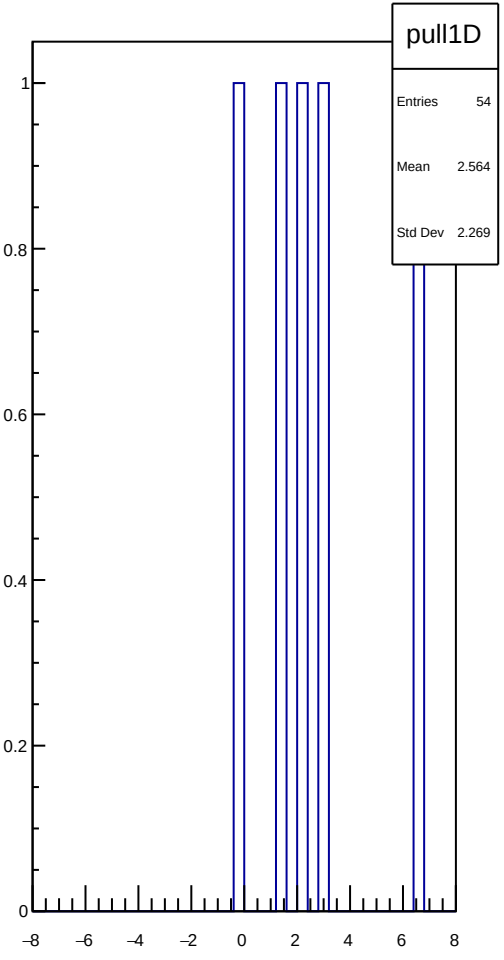

yield_bpm4eX_rms vs run
χ² / ndf 2.049e+05 / 53
p0 0.02189 ± 2.368e–05
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

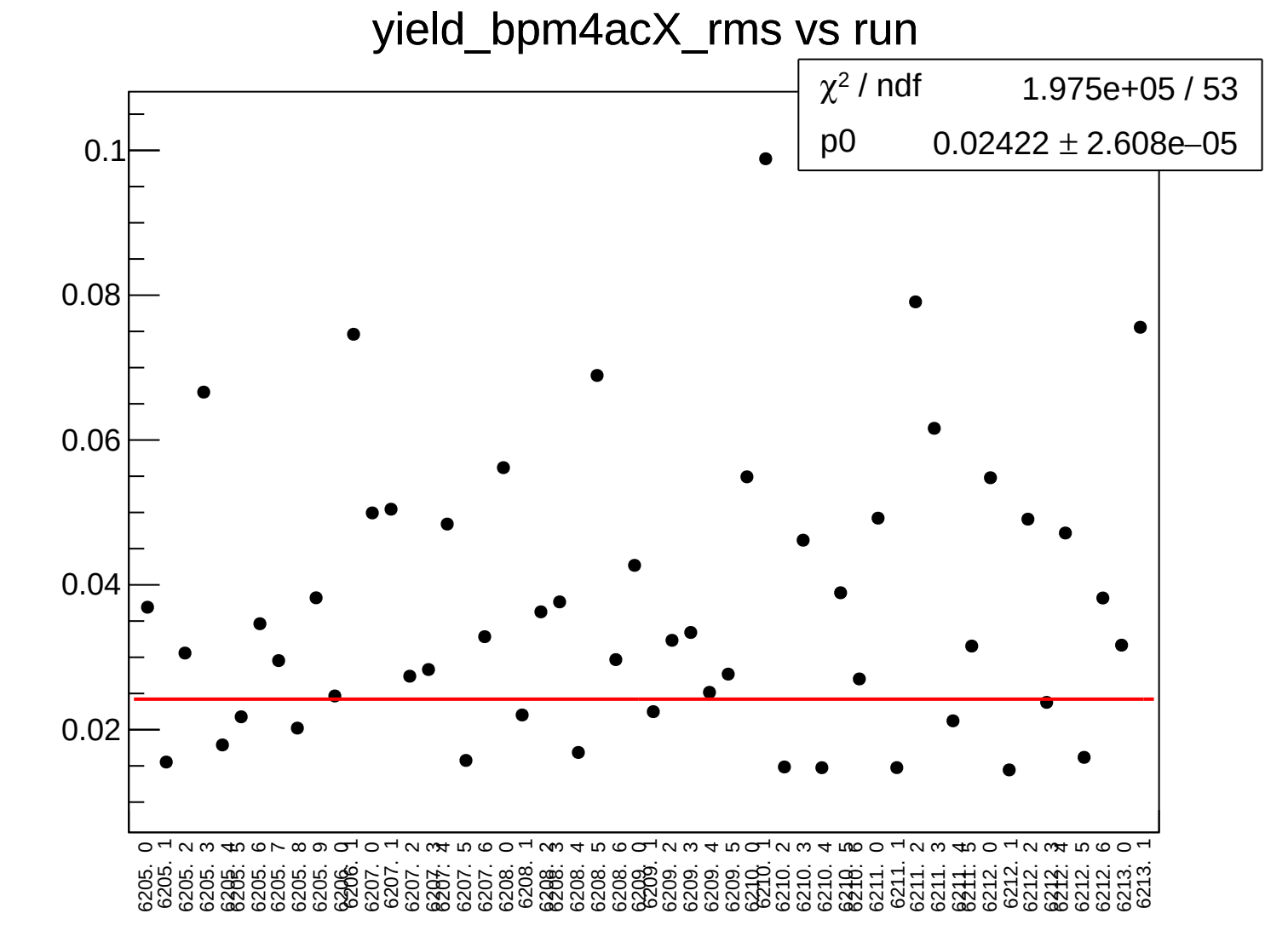

yield_bpm4eY_mean vs run
χ² / ndf 7.209e+04 / 53
p0 0.3244 ± 1.947e−05
0.34
0.33
0.32
0.31
0.3
pull
Entries 54
Mean 4.469
Std Dev 0
120
100
80
60
40
20
0
−20
−40
−60
−80

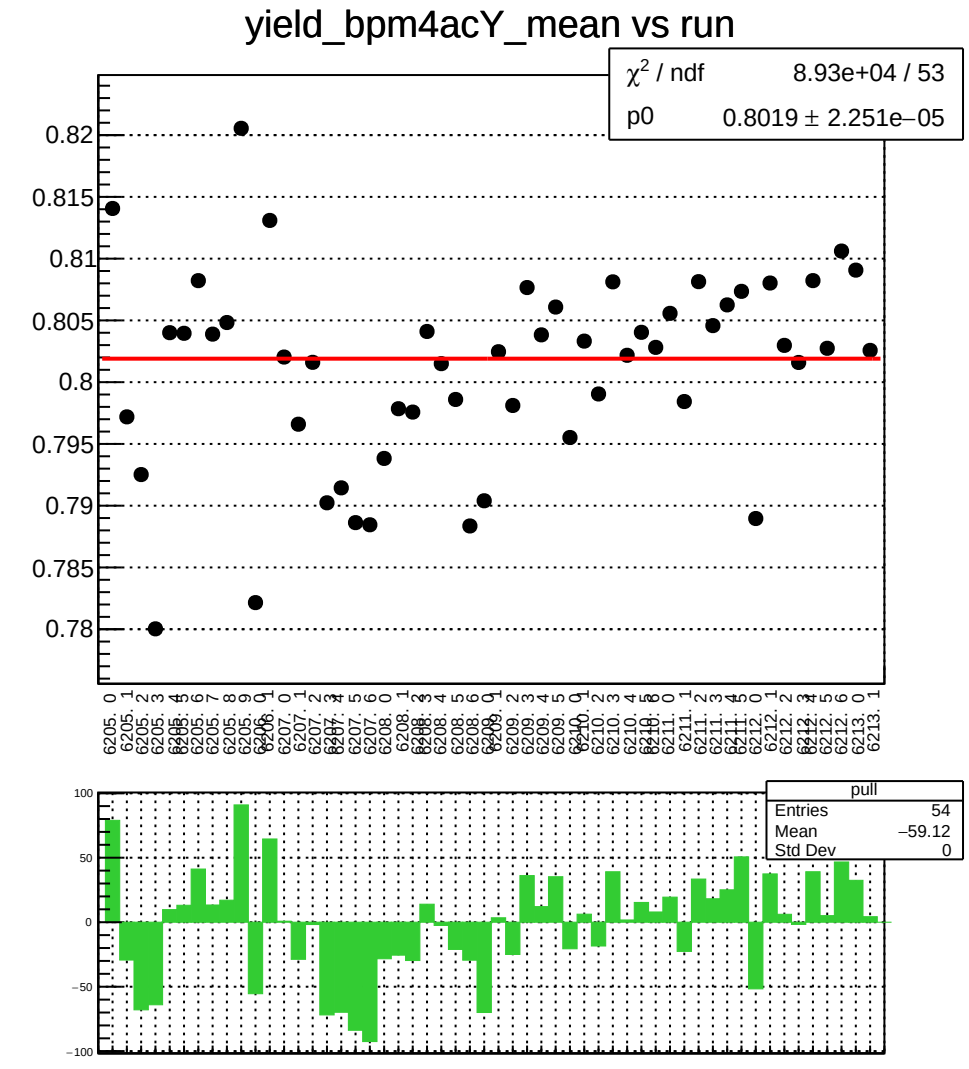

pull1D
Entries 54
Mean −0.8619
Std Dev 3.785
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

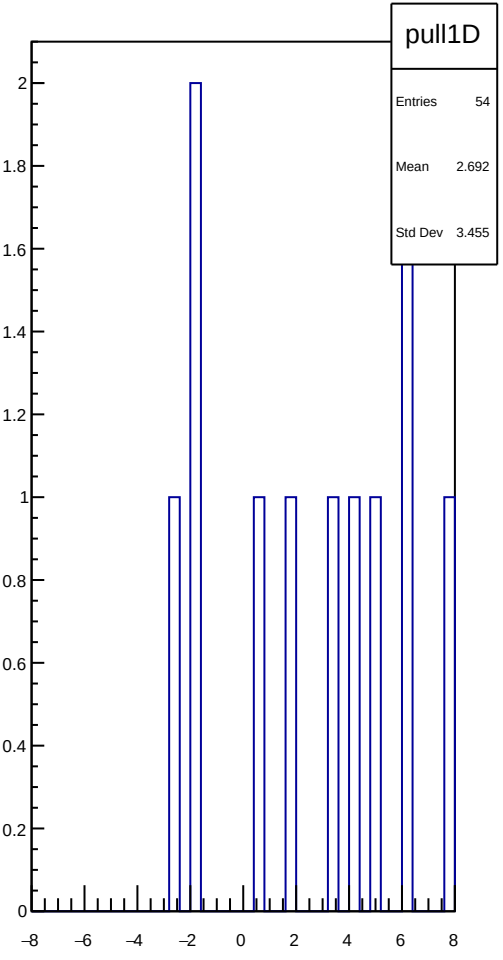

yield_bpm4eY_rms vs run
χ² / ndf 6.233e+04 / 53
p0 0.01374 ± 1.376e−05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01

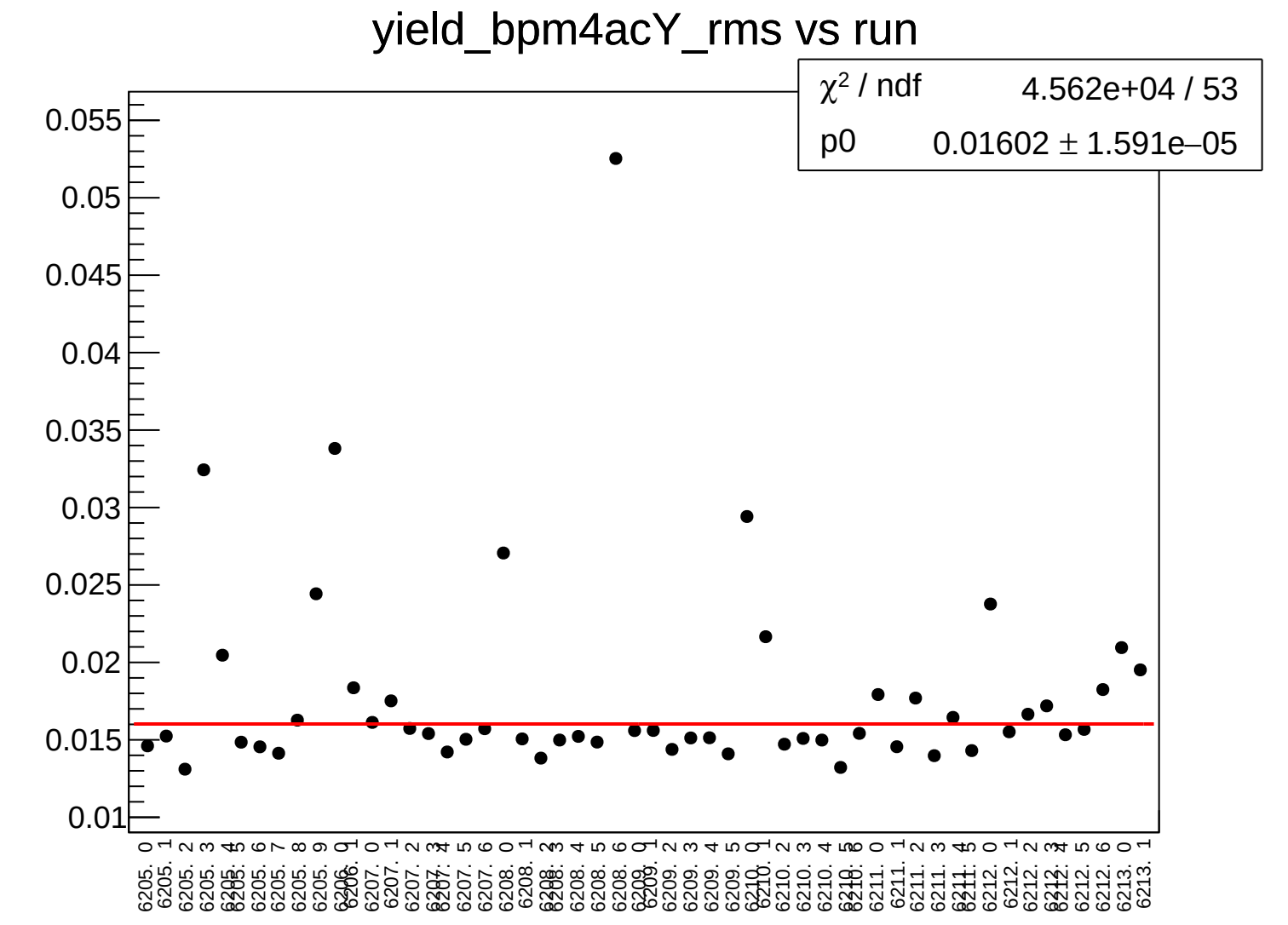

yield_bpm4acX_mean vs run
χ² / ndf 8.677e+04 / 53
p0 −0.795 ± 3.689e−05
−0.76
−0.78
−0.8
−0.82
−0.84
pull
Entries 54
Mean −380.2
Std Dev 0
80
60
40
20
0
−20
−40
−60
−80
−100

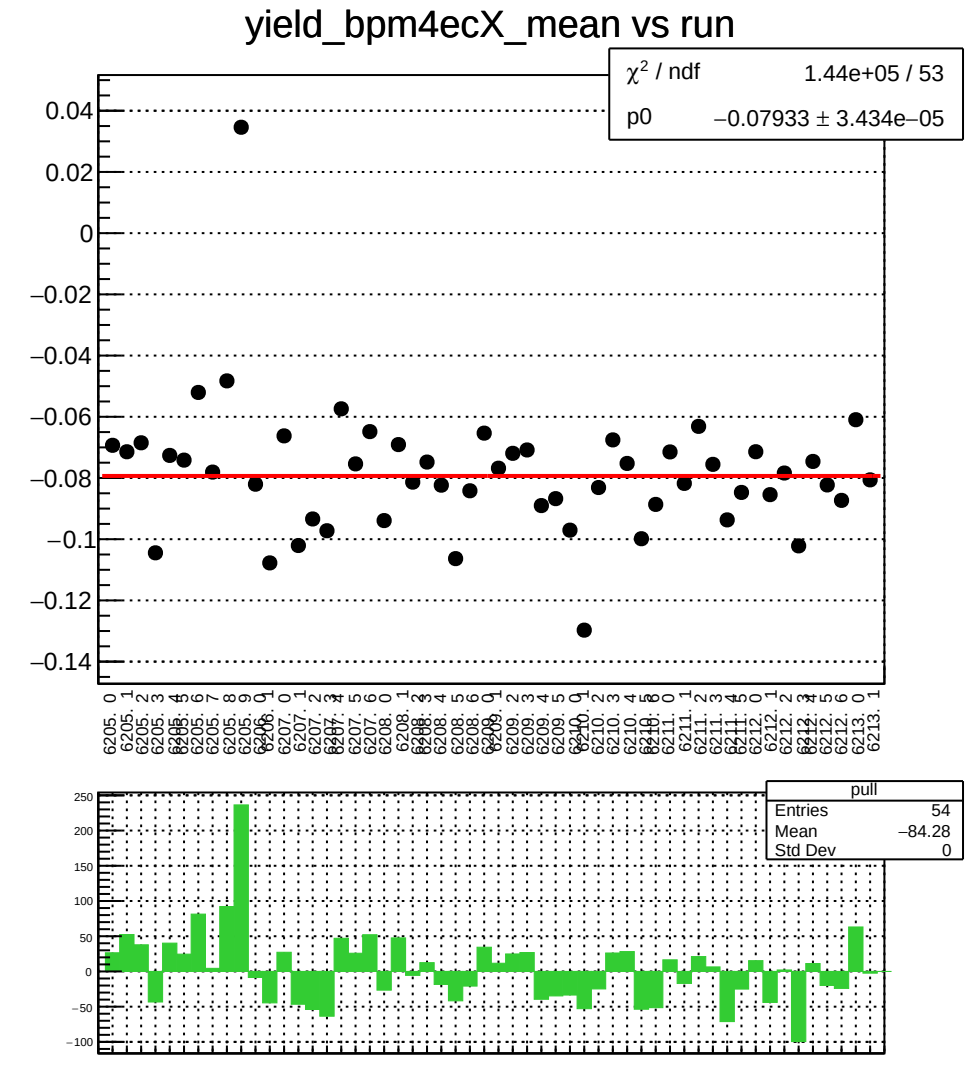

pull1D
Entries 54
Mean 2.564
Std Dev 2.269
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

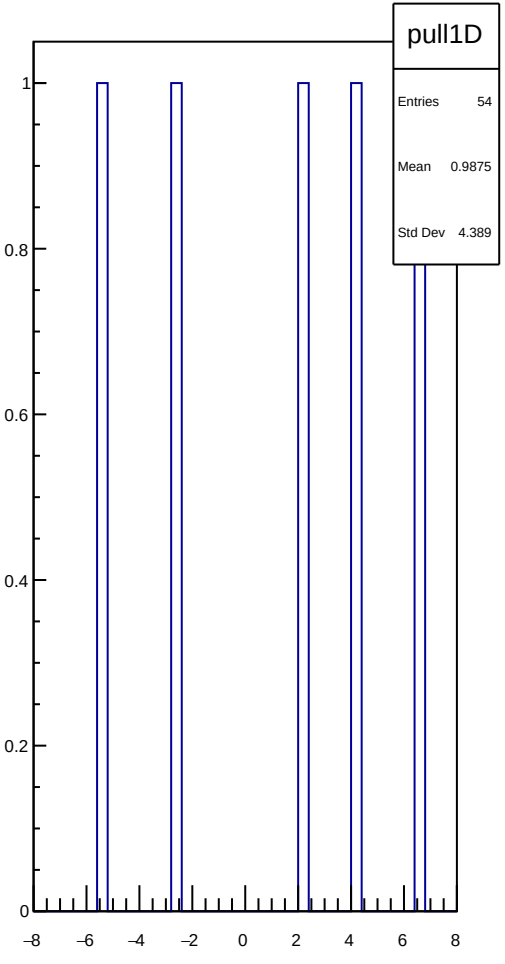

yield_bpm4acX_rms vs run
χ² / ndf 1.975e+05 / 53
p0 0.02422 ± 2.608e–05
0.1
0.08
0.06
0.04
0.02
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 1
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 1
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

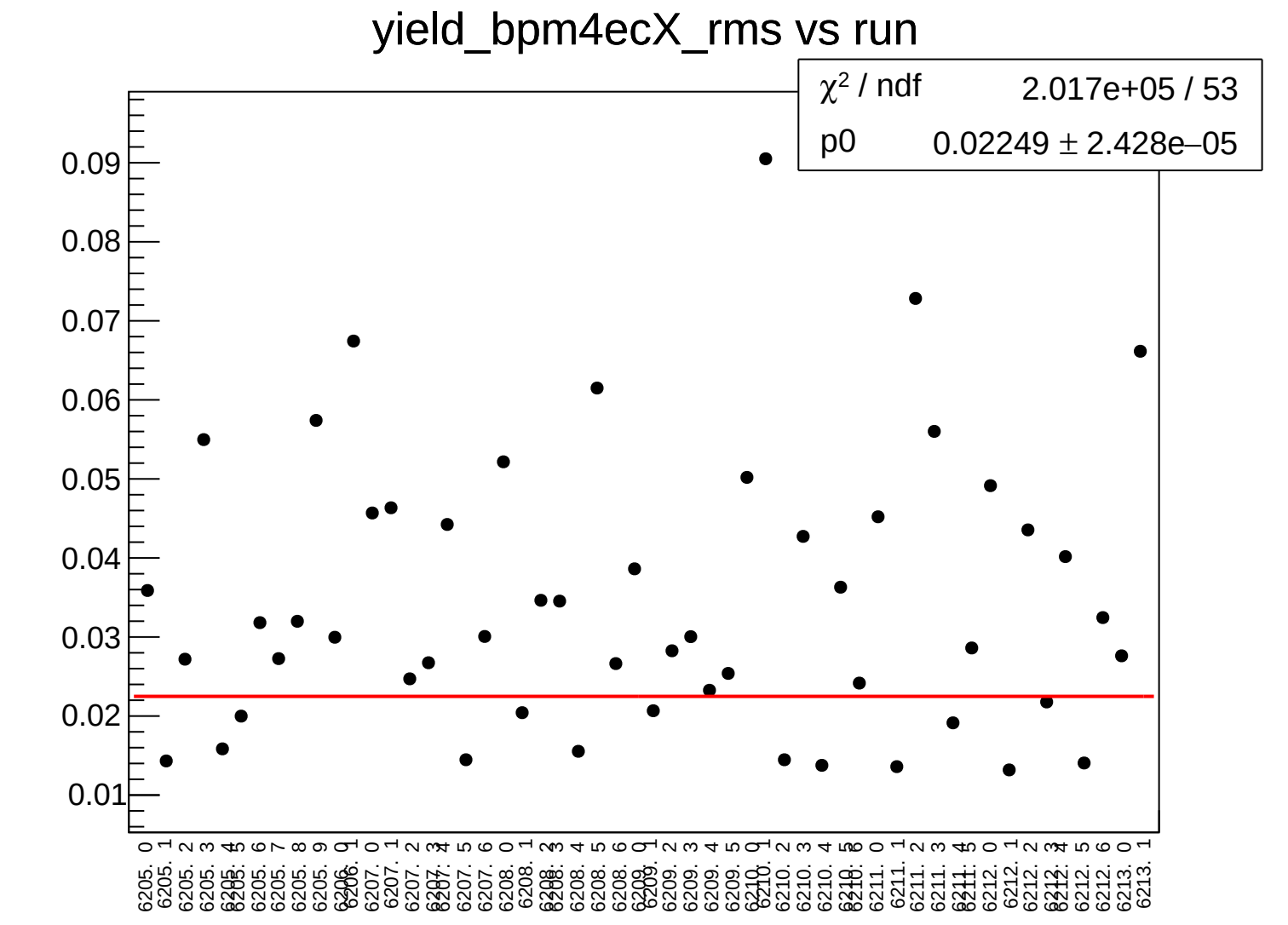

yield_bpm4acY_mean vs run
χ² / ndf 8.93e+04 / 53
p0 0.8019 ± 2.251e−05
pull
Entries 54
Mean −59.12
Std Dev 0

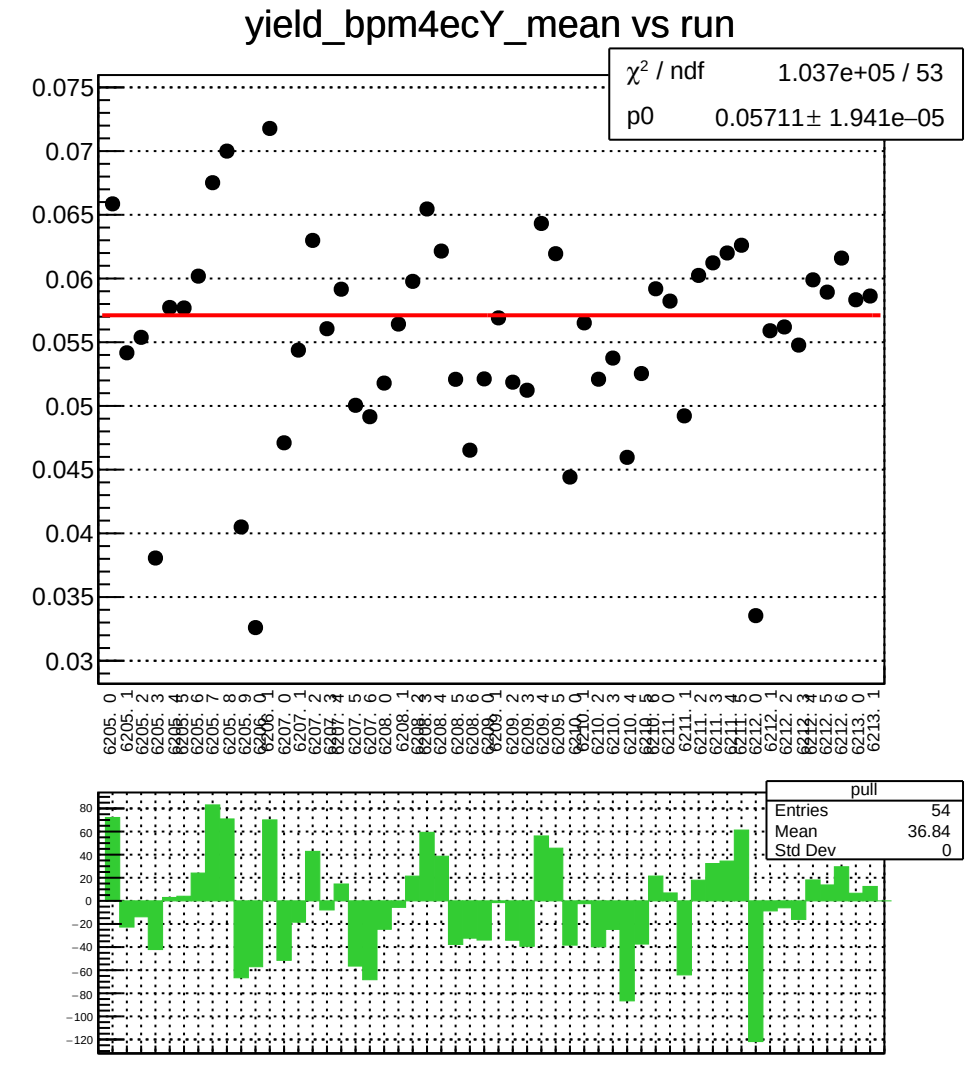

pull1D
Entries 54
Mean 2.692
Std Dev 3.455

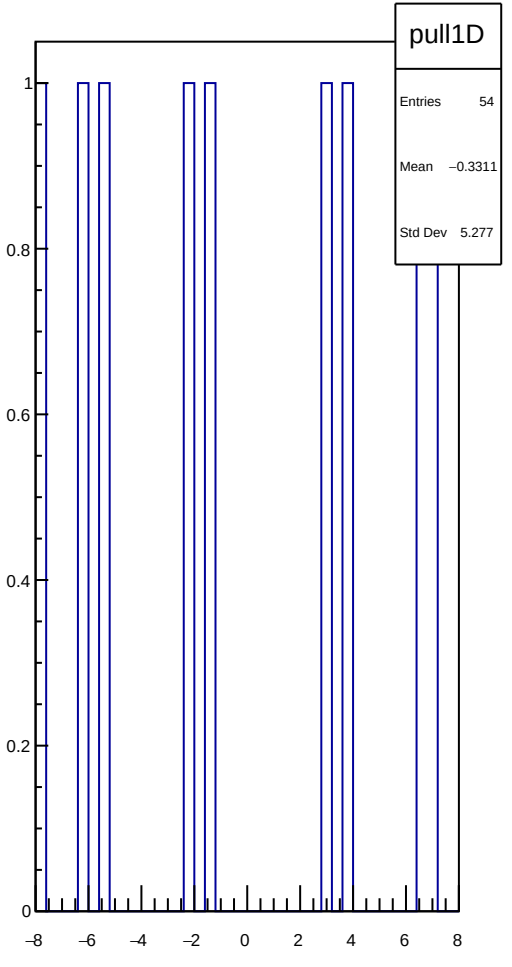

yield_bpm4acY_rms vs run
χ² / ndf 4.562e+04 / 53
p0 0.01602 ± 1.591e−05
0.055
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

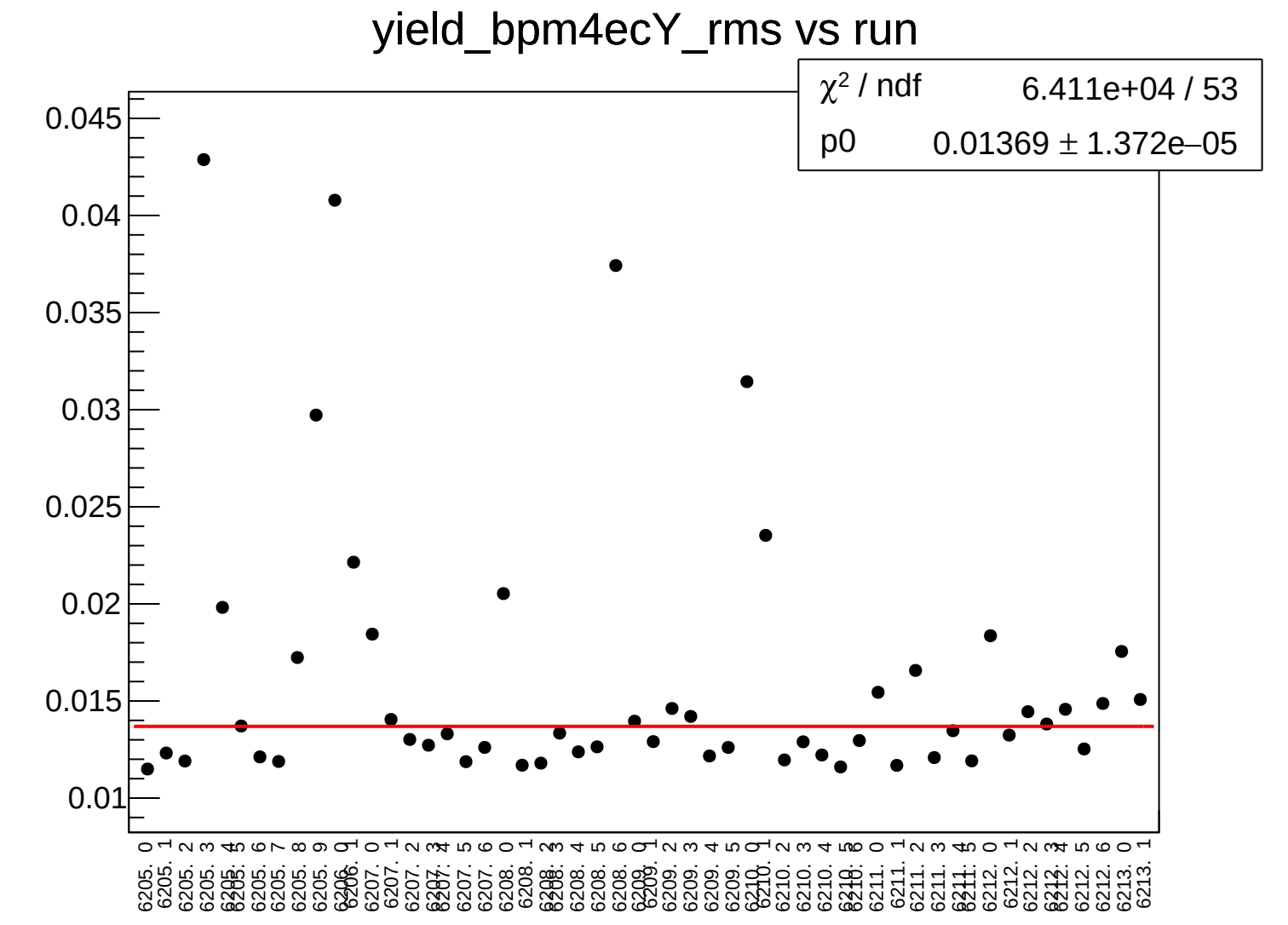

yield_bpm4ecX_mean vs run
χ² / ndf 1.44e+05 / 53
p0 −0.07933 ± 3.434e−05
pull
Entries 54
Mean −84.28
Std Dev 0

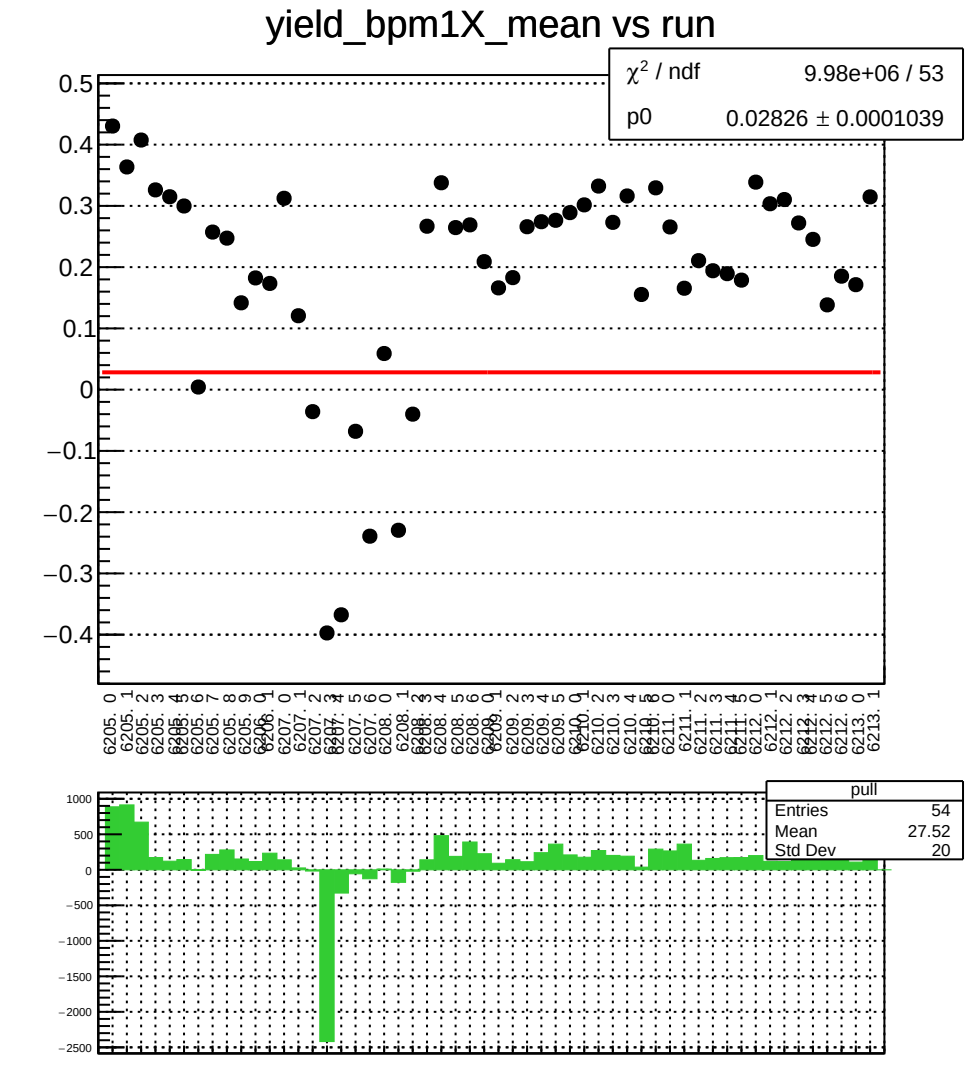

pull1D
Entries 54
Mean 0.9875
Std Dev 4.389

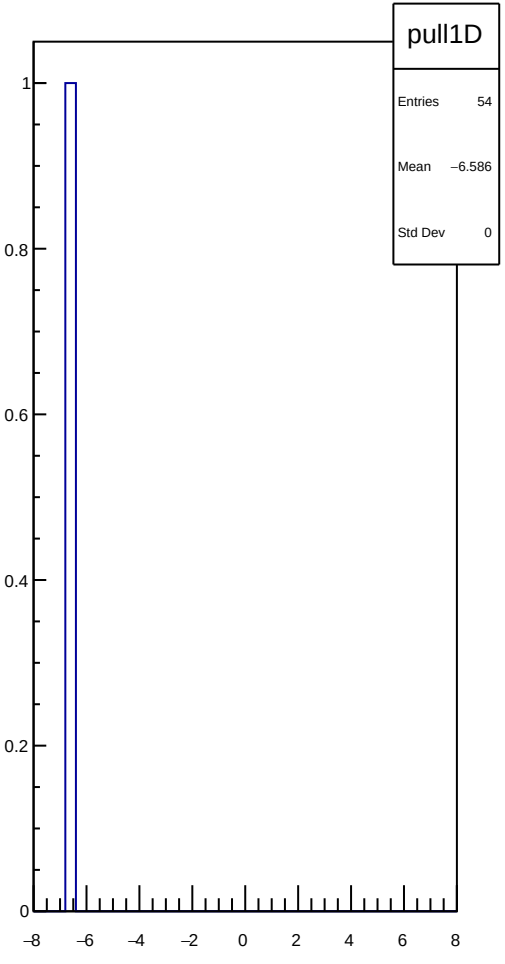

yield_bpm4ecX_rms vs run
χ² / ndf 2.017e+05 / 53
p0 0.02249 ± 2.428e−05
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 1
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 1
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

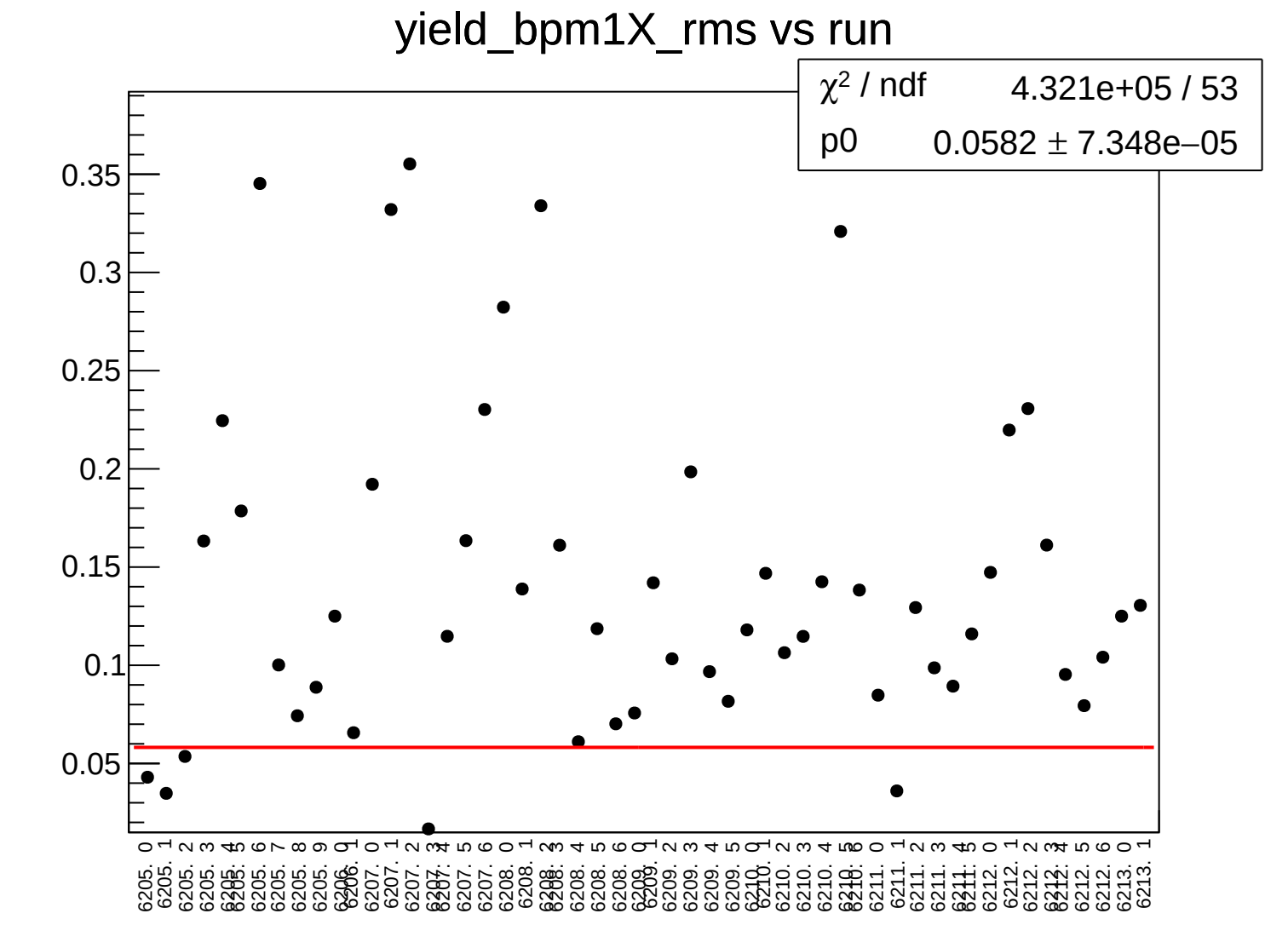

yield_bpm4ecY_mean vs run
χ² / ndf 1.037e+05 / 53
p0 0.05711± 1.941e–05
0.075
0.07
0.065
0.06
0.055
0.05
0.045
0.04
0.035
0.03
pull
Entries 54
Mean 36.84
Std Dev 0
80
60
40
20
0
–20
–40
–60
–80
–100
–120

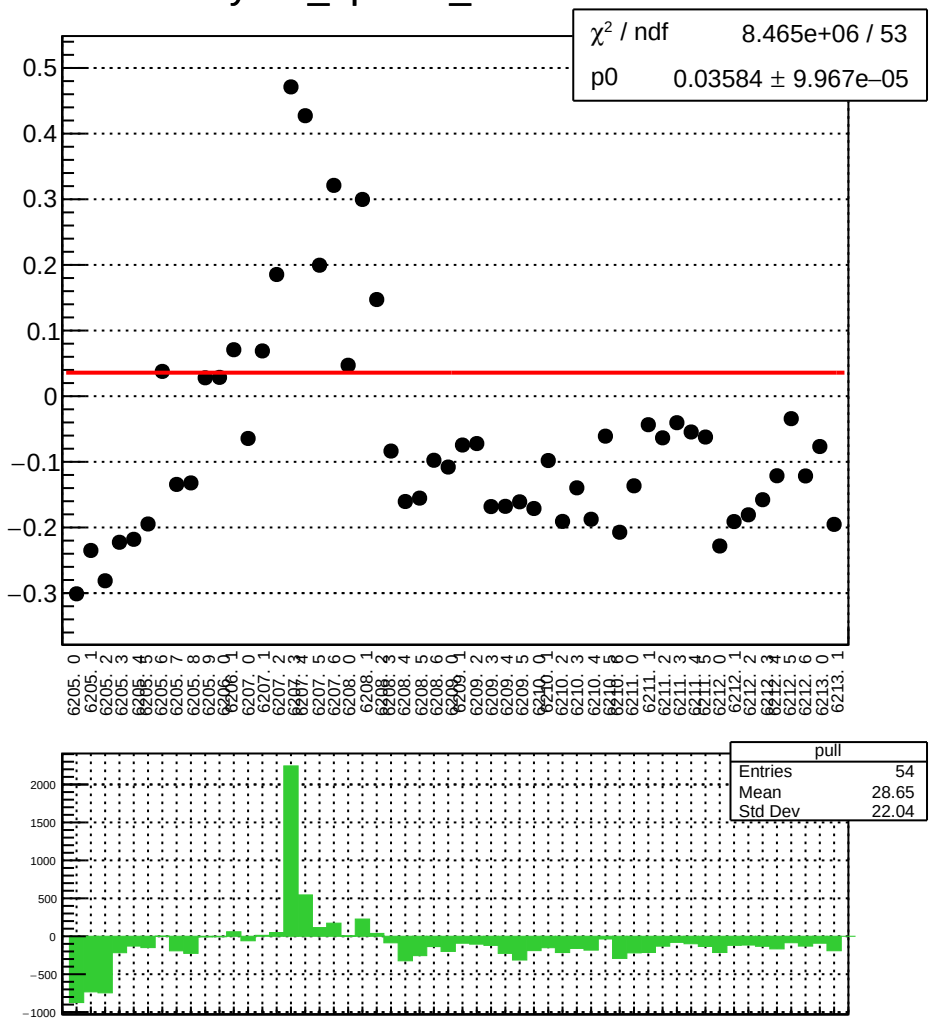

pull1D
Entries 54
Mean –0.3311
Std Dev 5.277
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

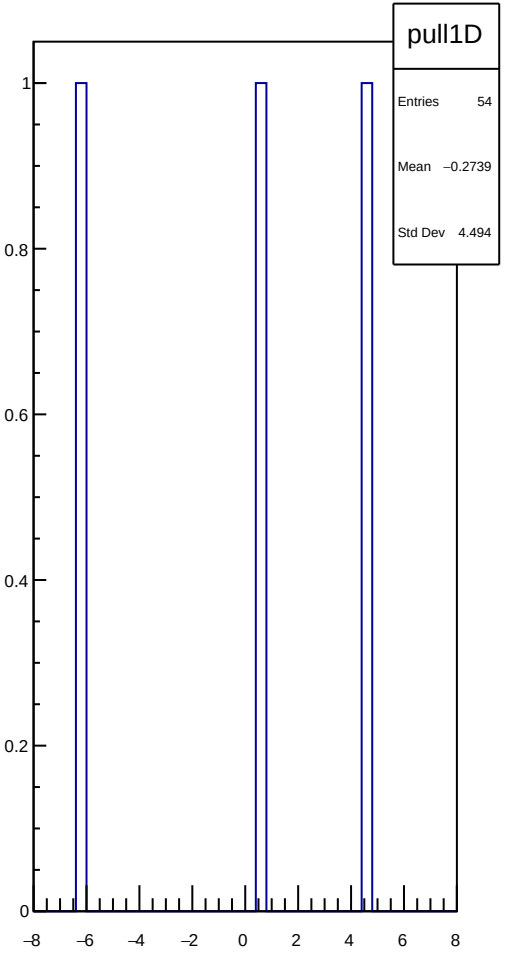

yield_bpm4ecY_rms vs run
χ² / ndf 6.411e+04 / 53
p0 0.01369 ± 1.372e−05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

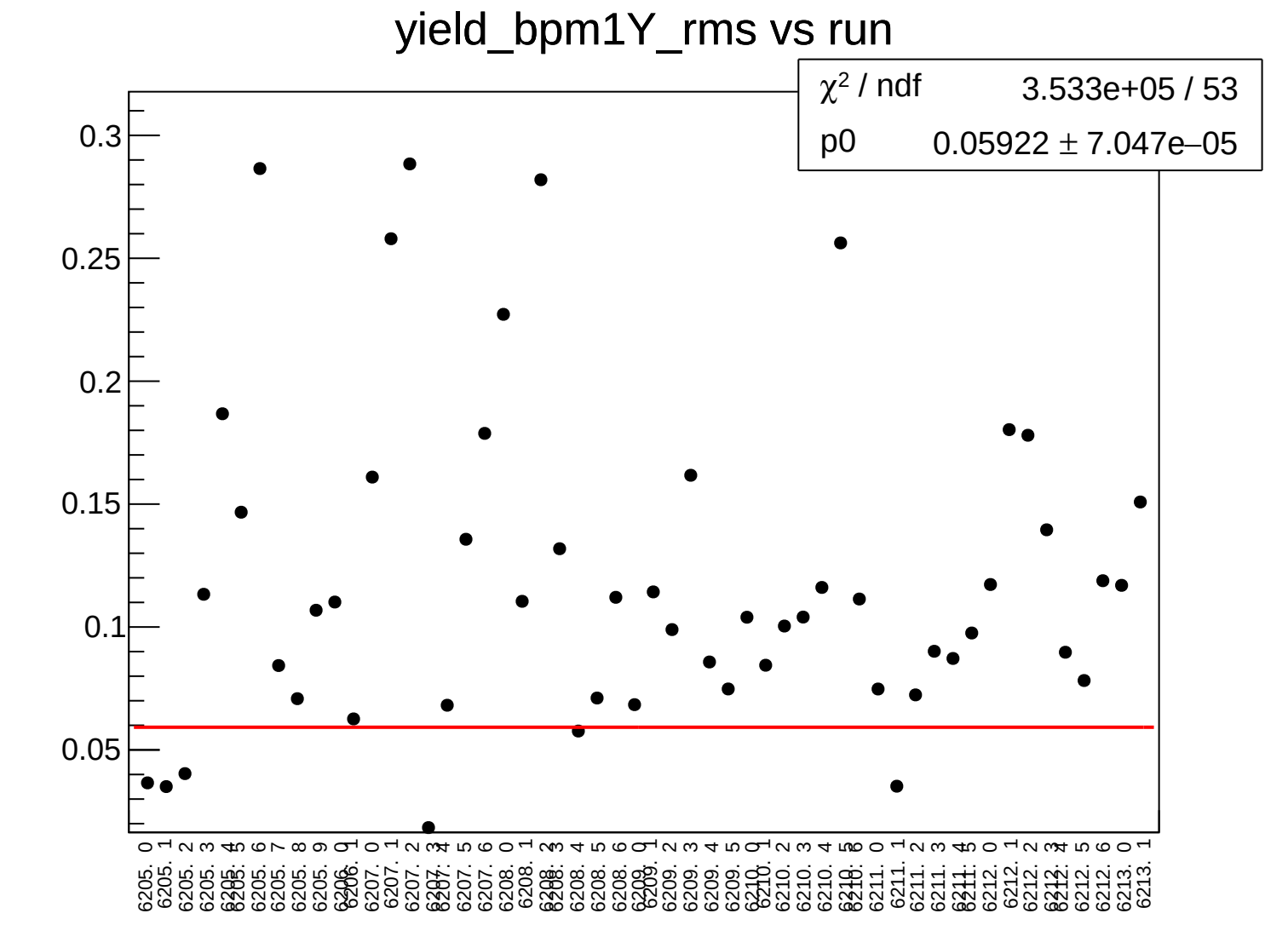

yield_bpm1X_mean vs run
χ² / ndf 9.98e+06 / 53
p0 0.02826 ± 0.0001039
pull
Entries 54
Mean 27.52
Std Dev 20

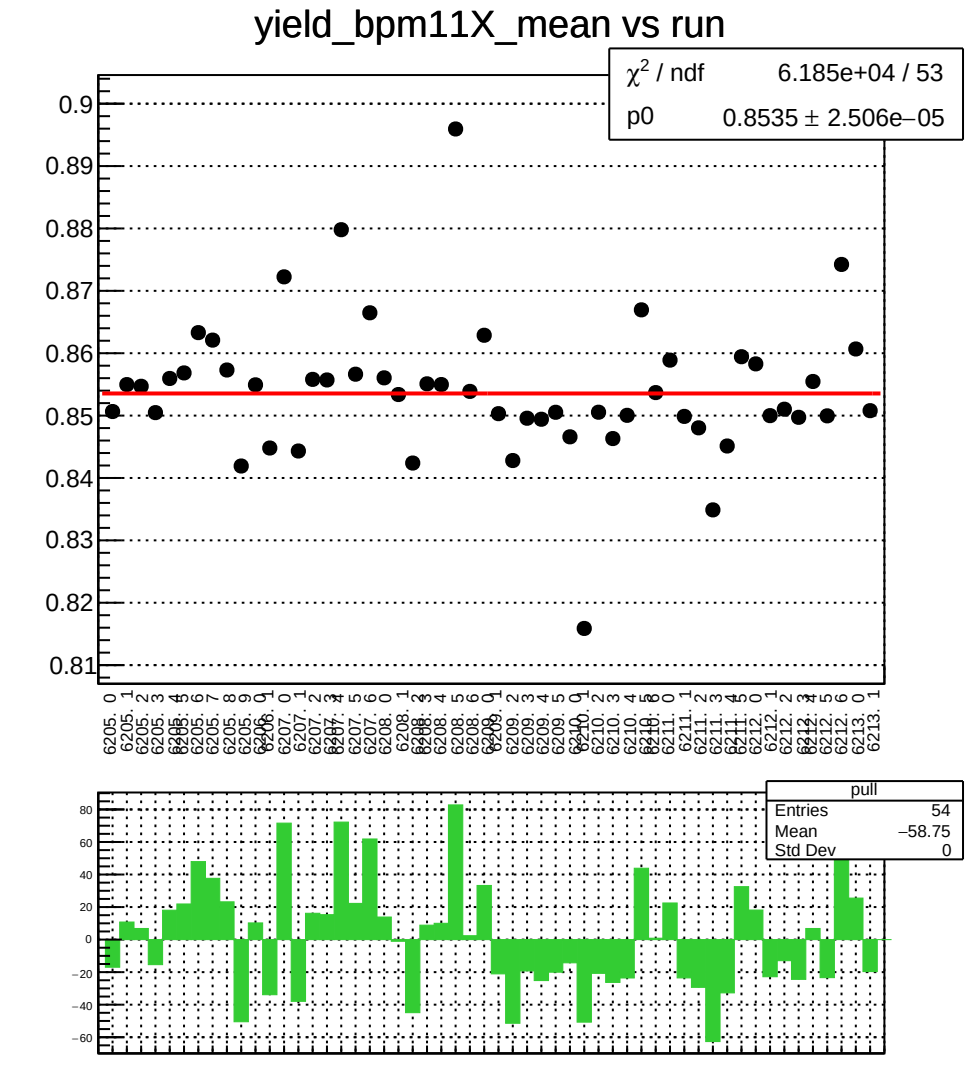

pull1D
Entries 54
Mean −6.586
Std Dev 0

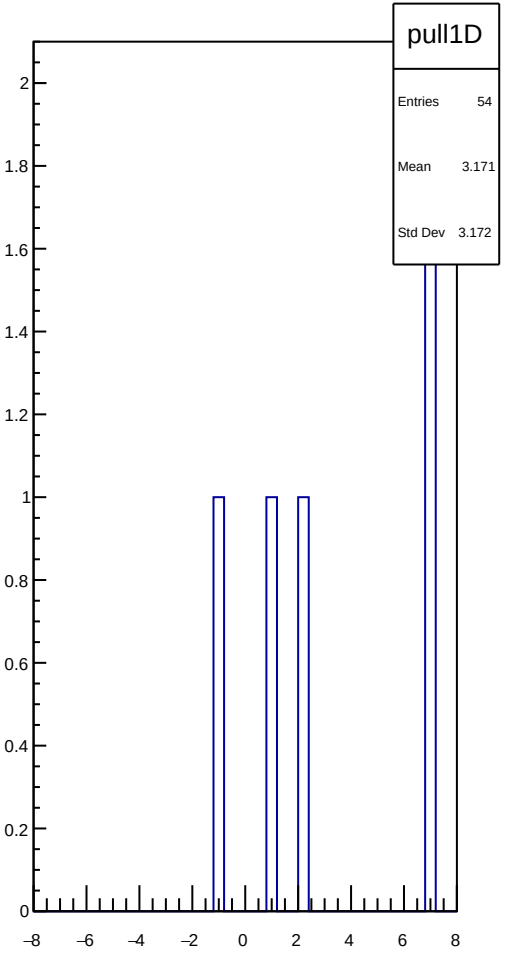

yield_bpm1X_rms vs run
χ² / ndf 4.321e+05 / 53
p0 0.0582 ± 7.348e−05
0.35
0.3
0.25
0.2
0.15
0.1
0.05
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 1
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

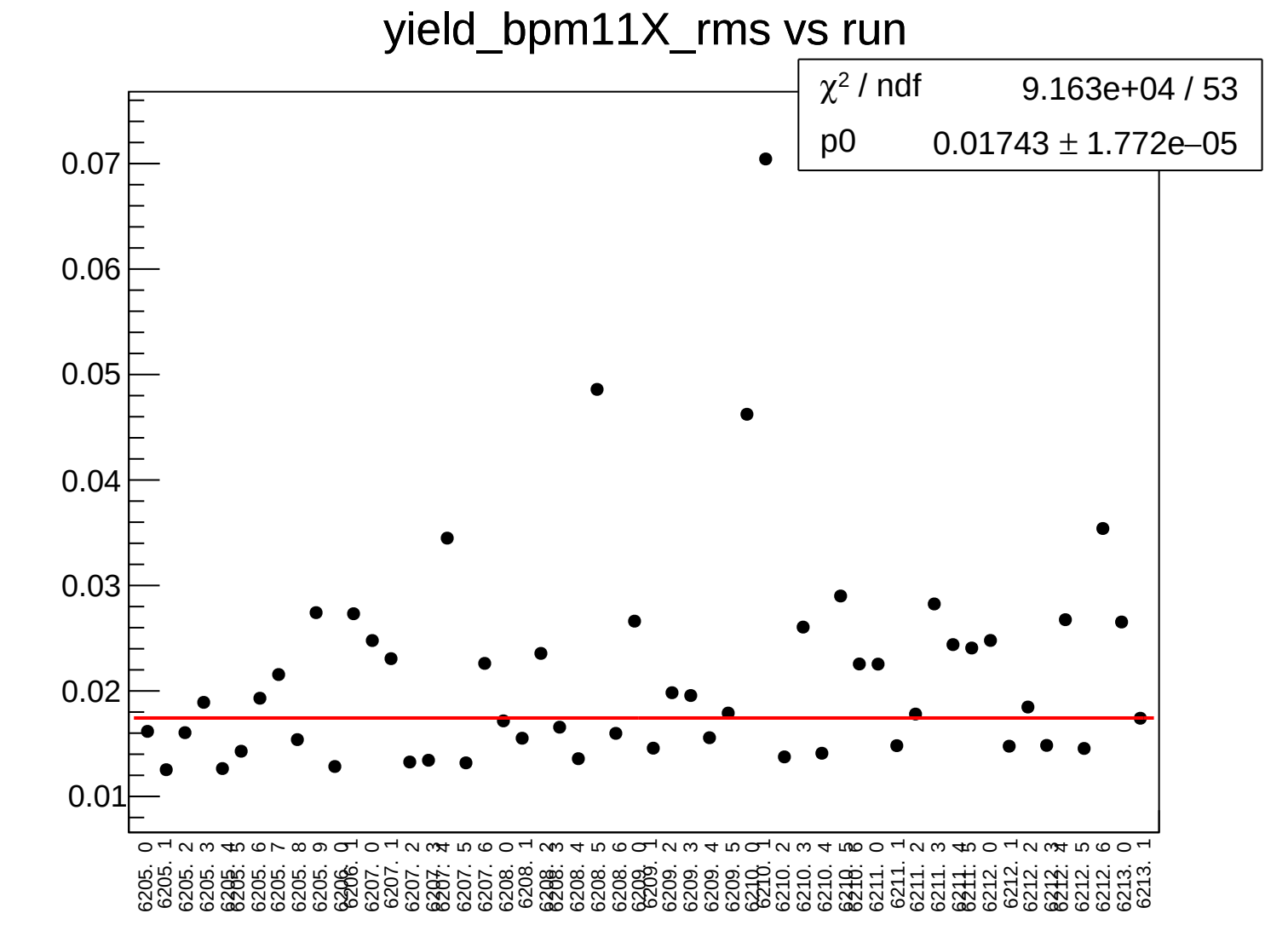

yield_bpm1Y_mean vs run
χ² / ndf 8.465e+06 / 53
p0 0.03584 ± 9.967e−05
pull
Entries 54
Mean 28.65
Std Dev 22.04

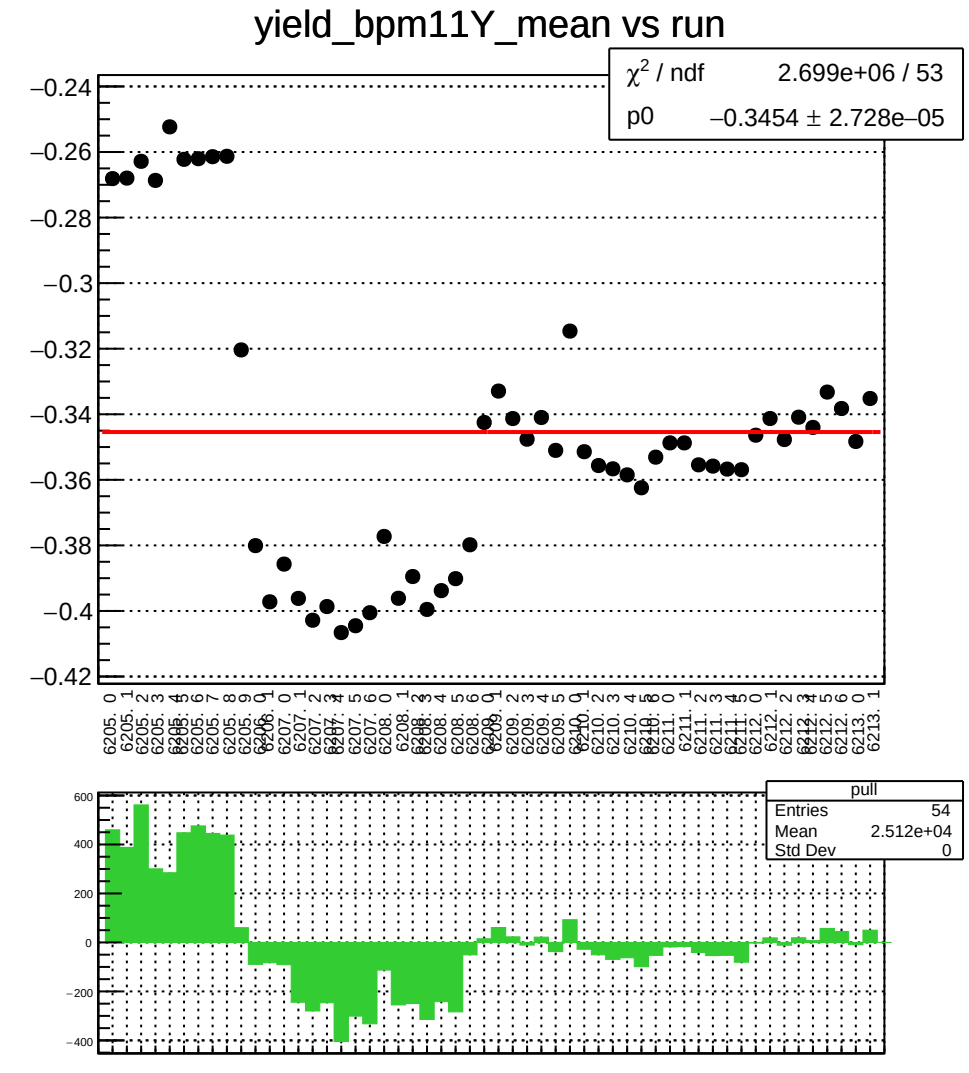

pull1D
Entries 54
Mean −0.2739
Std Dev 4.494

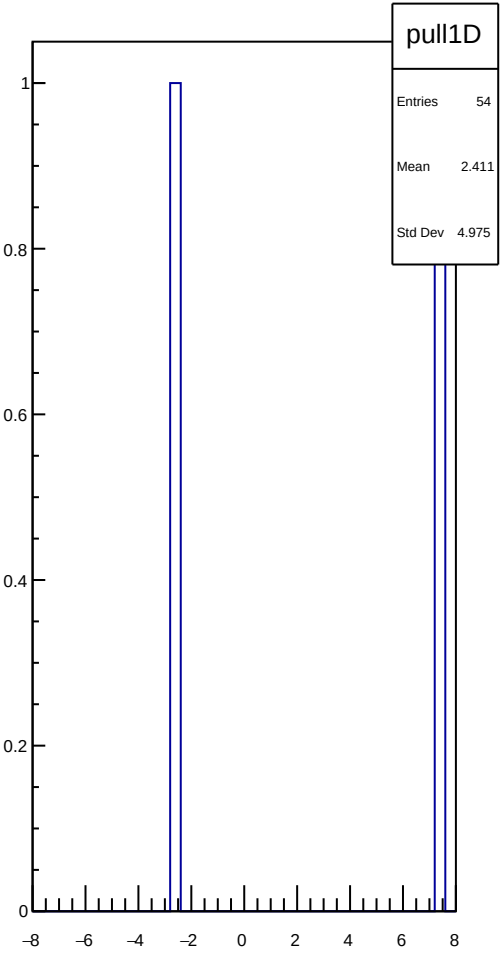

yield_bpm1Y_rms vs run
χ² / ndf 3.533e+05 / 53
p0 0.05922 ± 7.047e−05
0.3
0.25
0.2
0.15
0.1
0.05
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 1
6207. 0
6207. 1
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 5
6212. 6
6213. 0
6213. 1

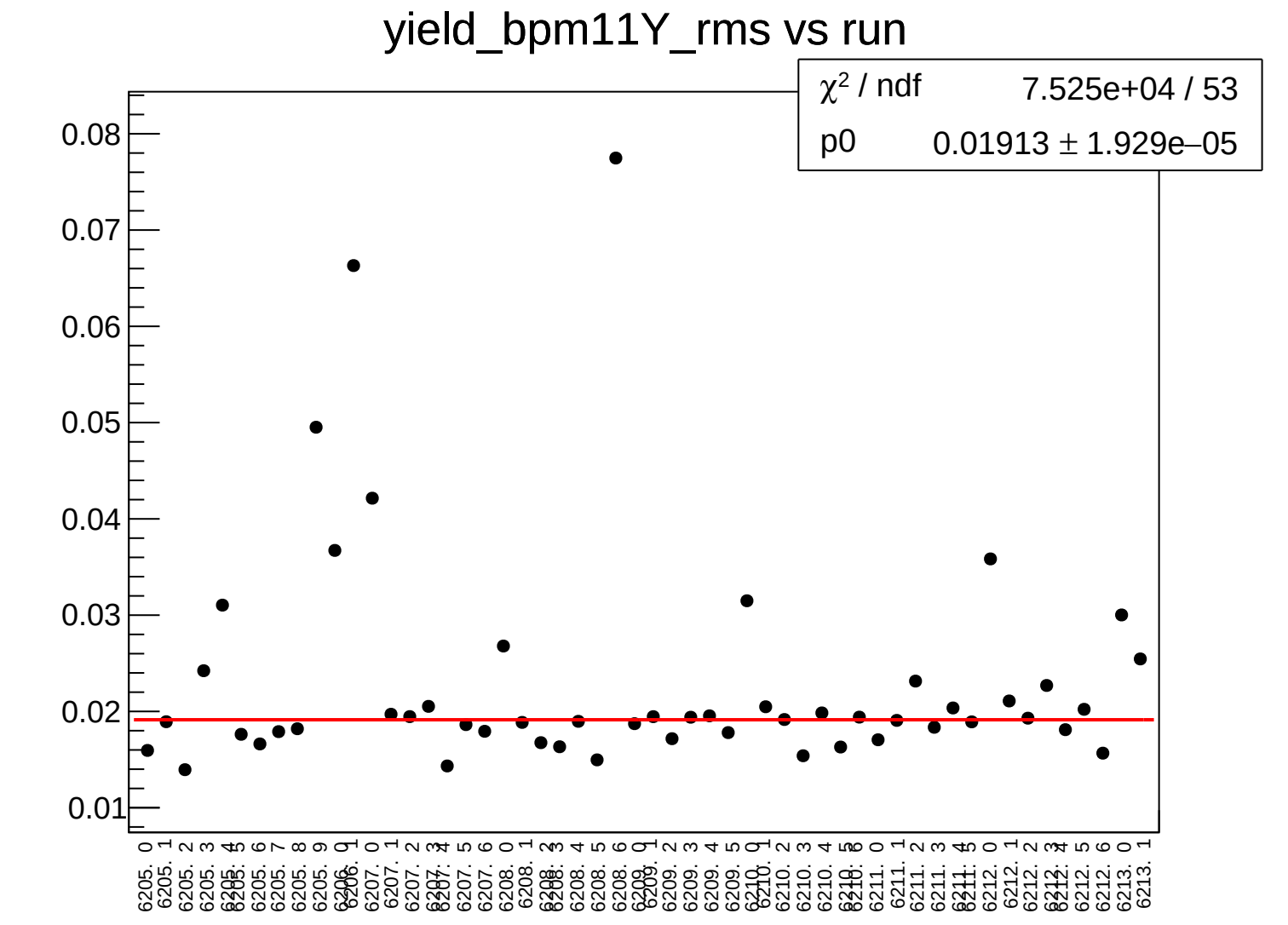

yield_bpm11X_mean vs run
χ² / ndf 6.185e+04 / 53
p0 0.8535 ± 2.506e−05
pull
Entries 54
Mean −58.75
Std Dev 0

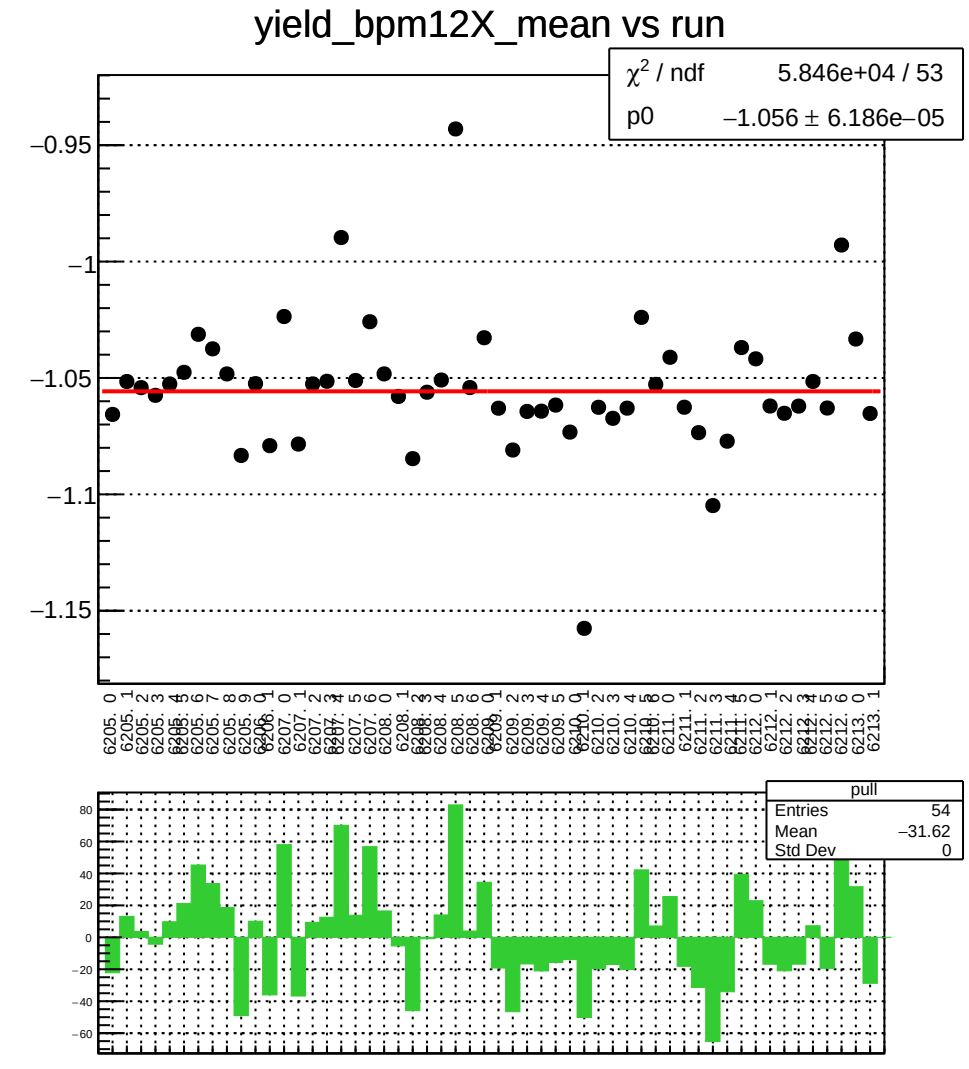

pull1D
Entries 54
Mean 3.171
Std Dev 3.172

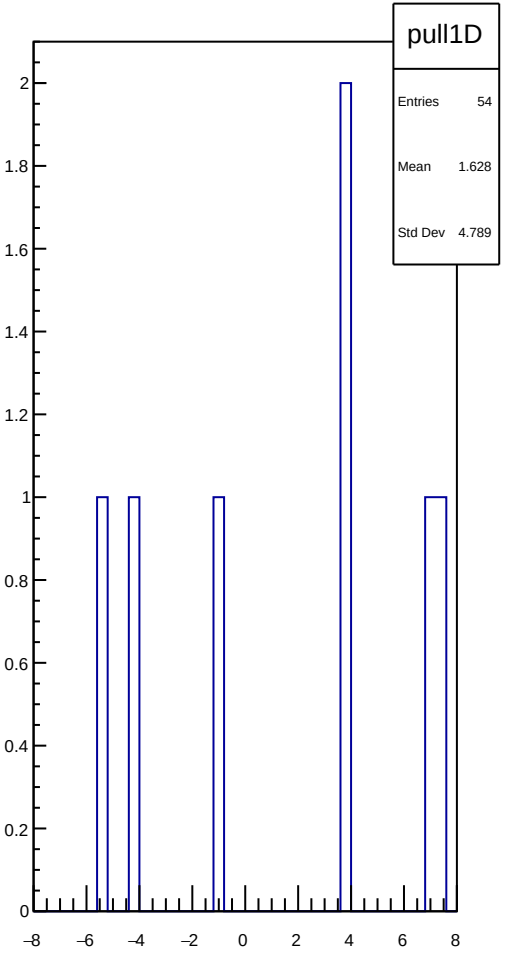

yield_bpm11X_rms vs run
χ² / ndf 9.163e+04 / 53
p0 0.01743 ± 1.772e−05
0.07
0.06
0.05
0.04
0.03
0.02
0.01
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

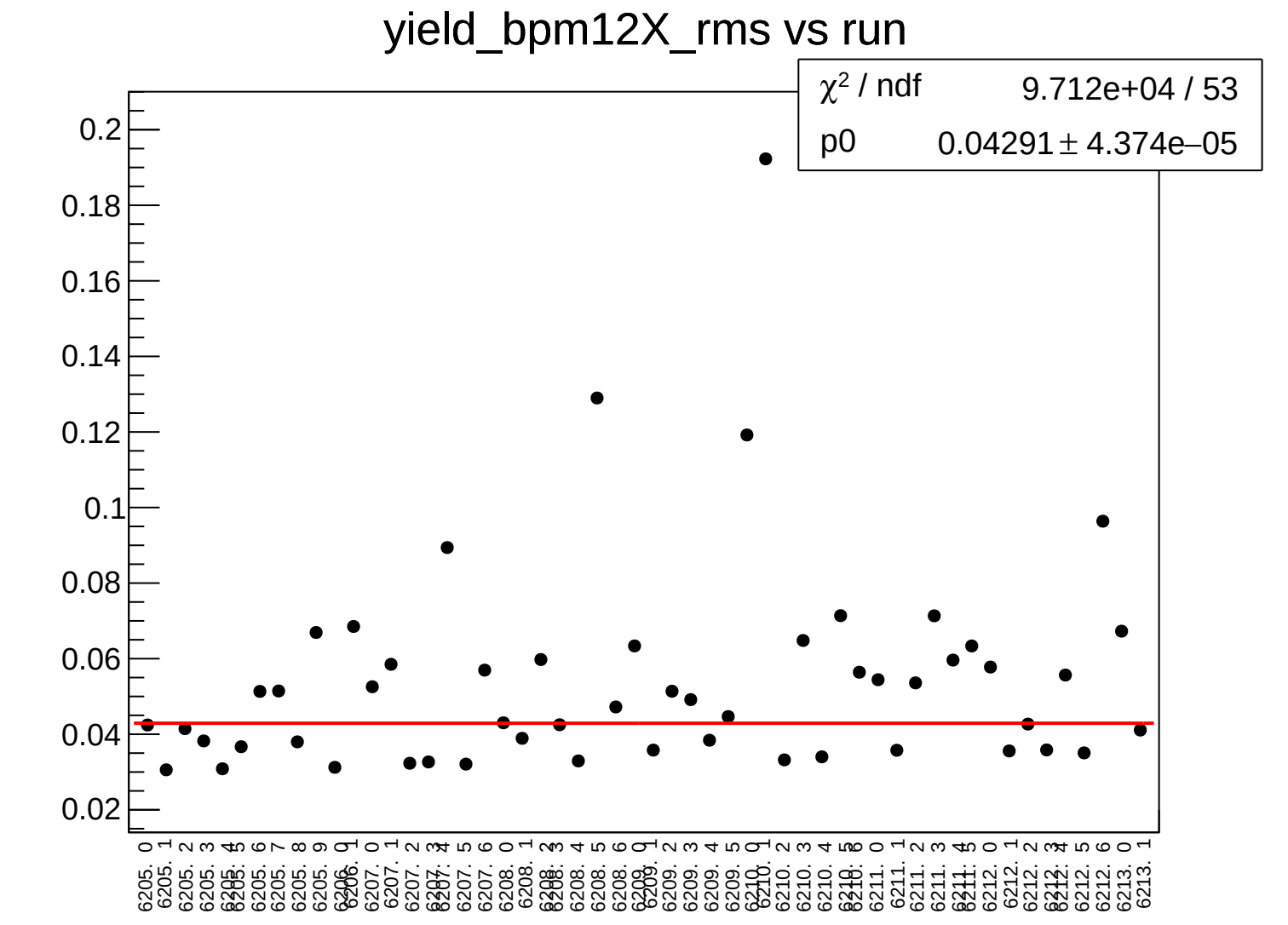

yield_bpm11Y_mean vs run
χ² / ndf 2.699e+06 / 53
p0 −0.3454 ± 2.728e−05
pull
Entries 54
Mean 2.512e+04
Std Dev 0

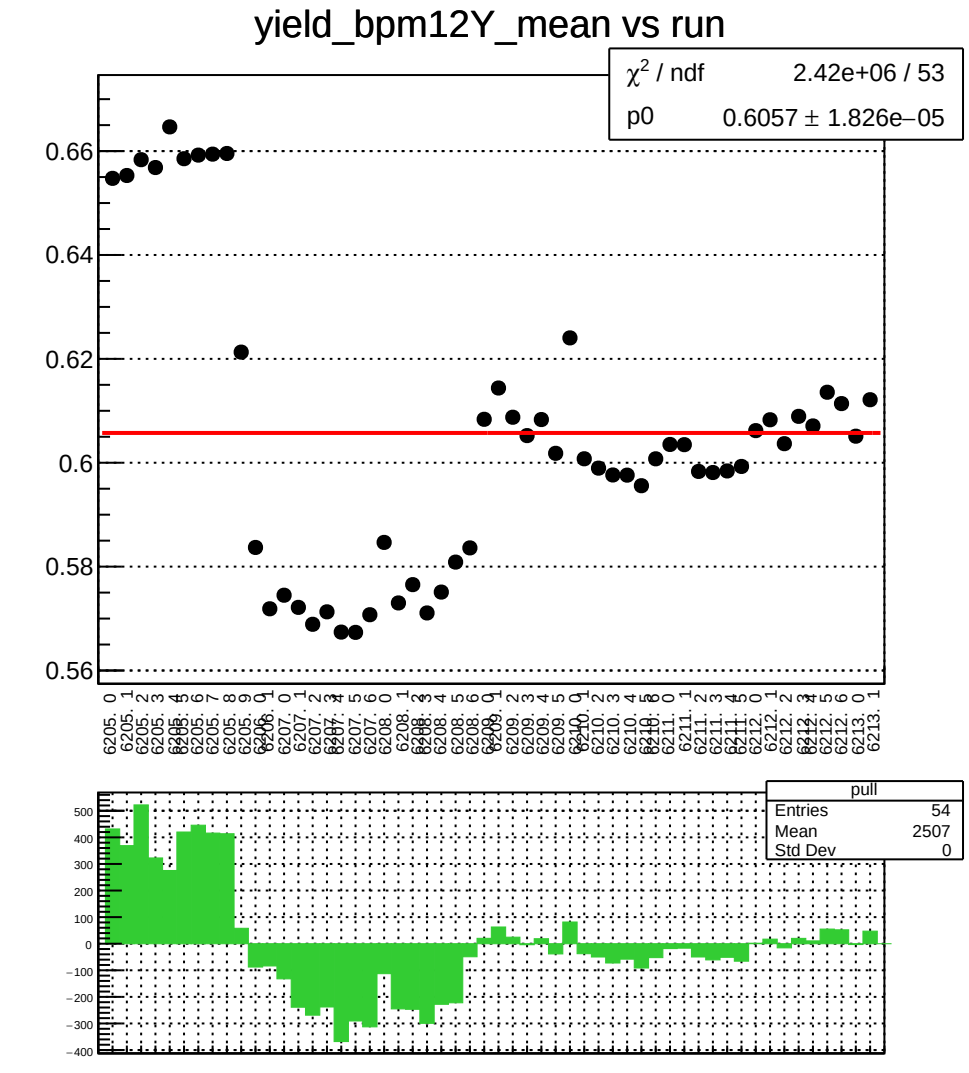

pull1D
Entries 54
Mean 2.411
Std Dev 4.975

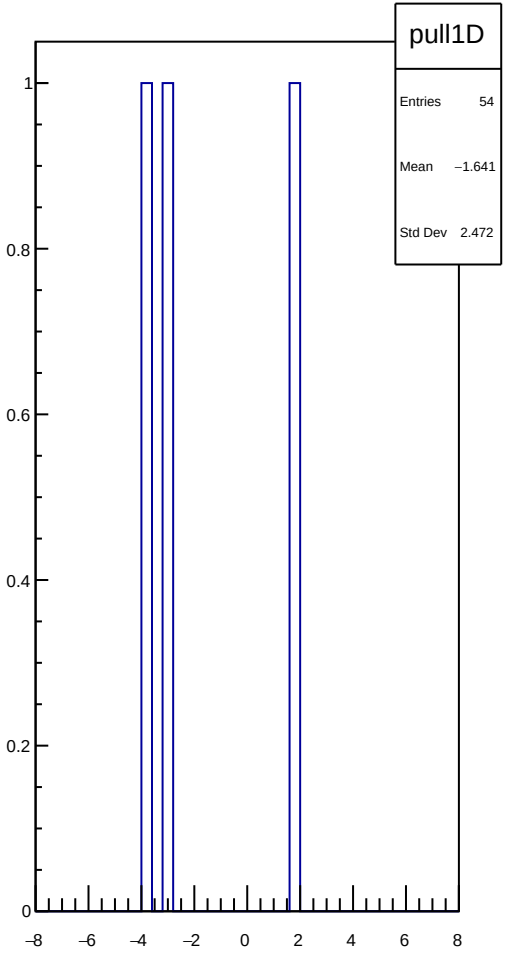

yield_bpm11Y_rms vs run
χ² / ndf 7.525e+04 / 53
p0 0.01913 ± 1.929e−05
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

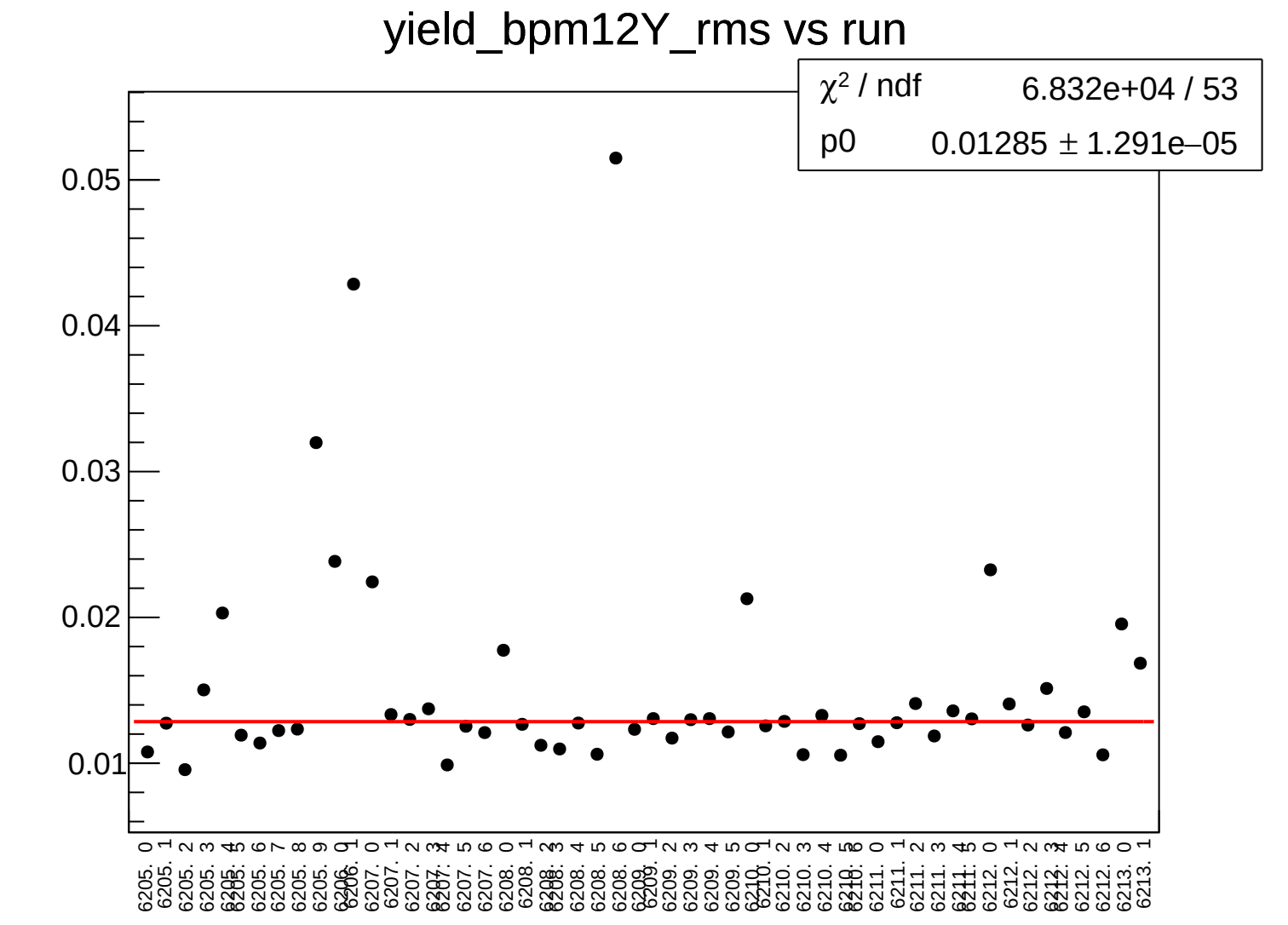

yield_bpm12X_mean vs run
χ² / ndf 5.846e+04 / 53
p0 −1.056 ± 6.186e−05
−0.95
−1
−1.05
−1.1
−1.15
pull
Entries 54
Mean −31.62
Std Dev 0
80
60
40
20
0
−20
−40
−60

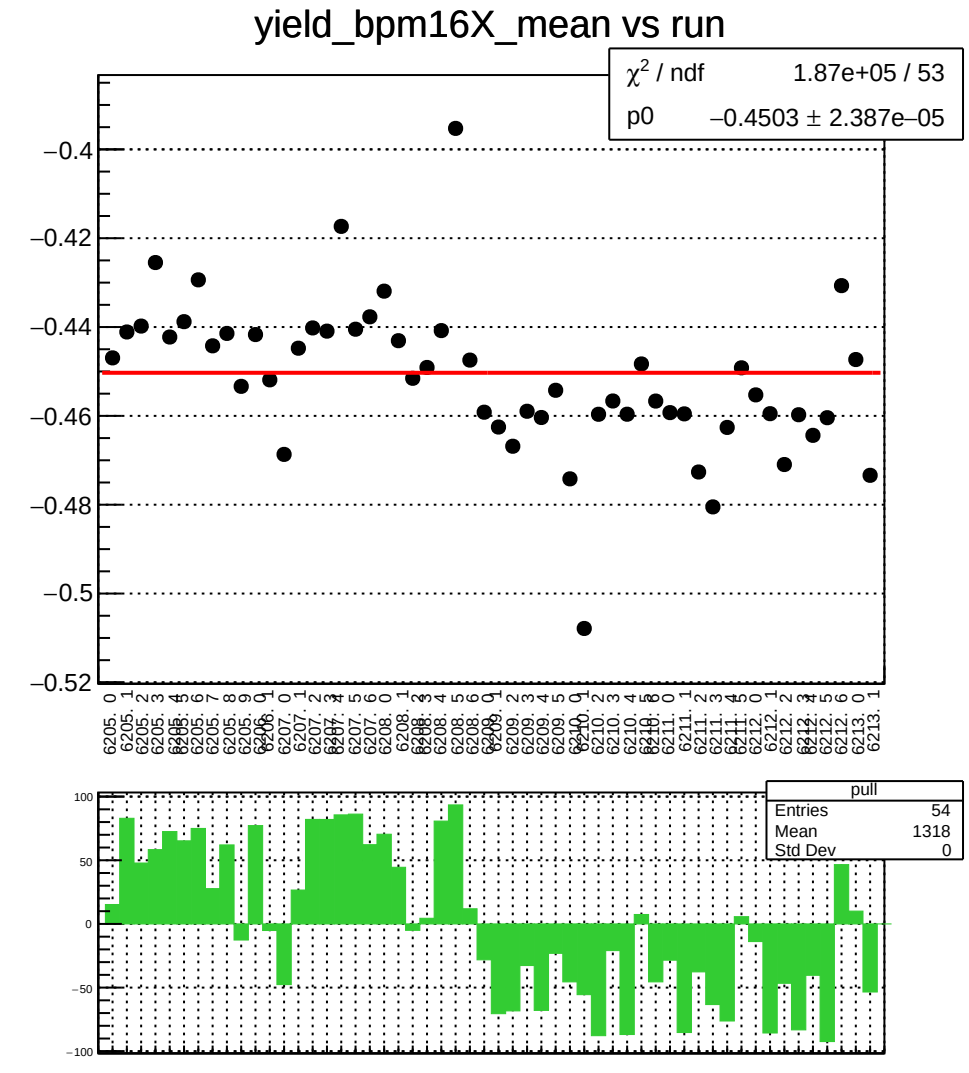

pull1D
Entries 54
Mean 1.628
Std Dev 4.789
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

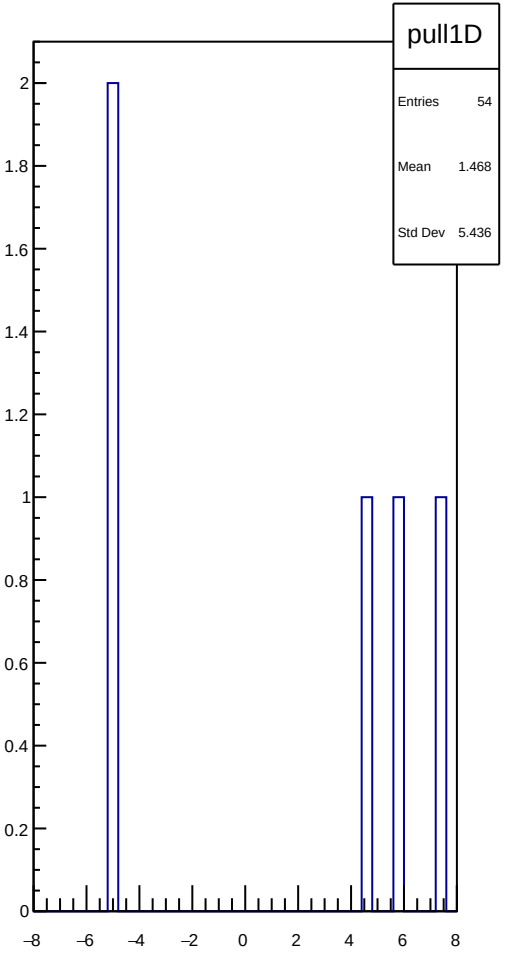

yield_bpm12X_rms vs run
χ² / ndf 9.712e+04 / 53
p0 0.04291 ± 4.374e–05
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

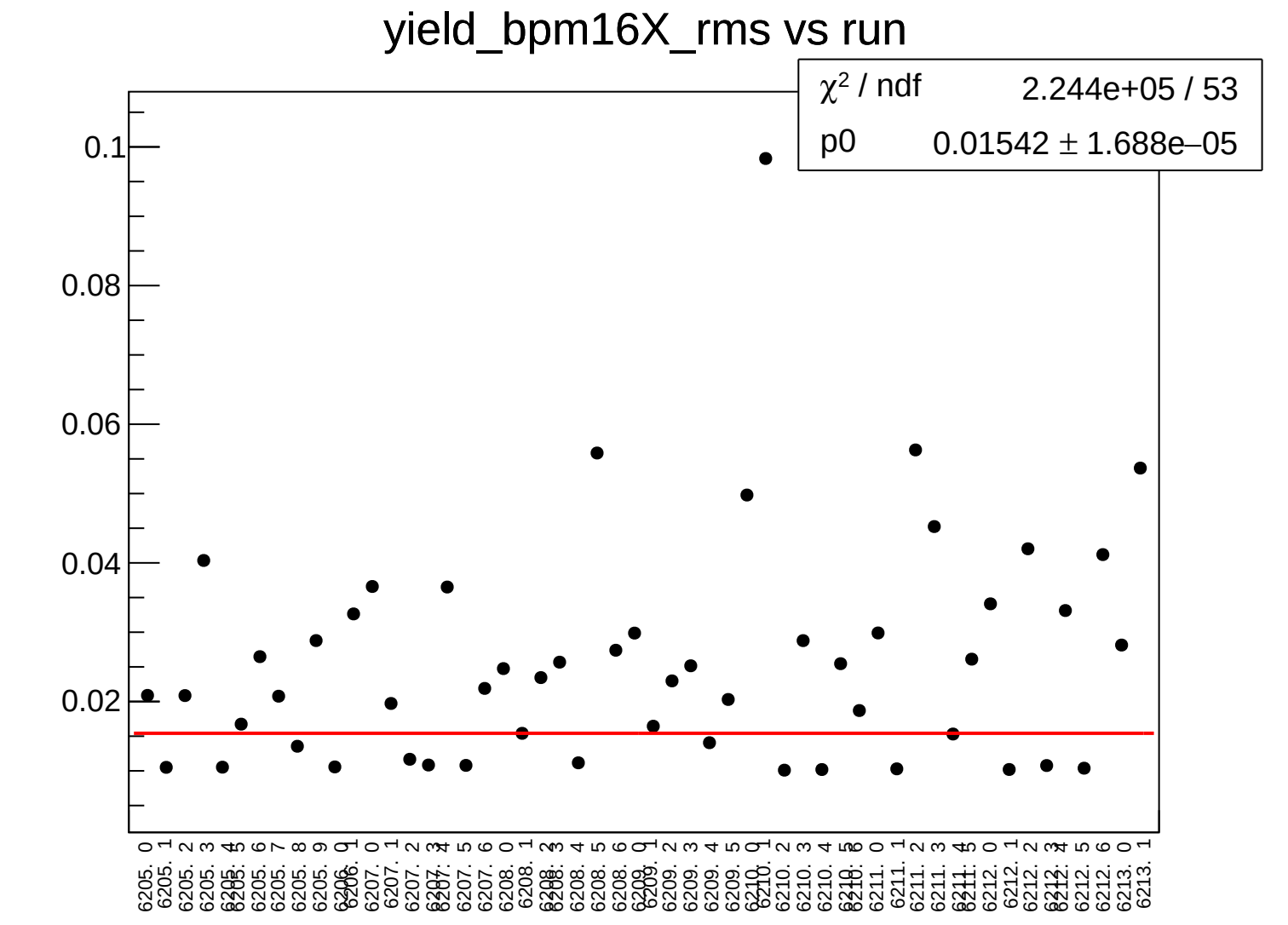

yield_bpm12Y_mean vs run
χ² / ndf 2.42e+06 / 53
p0 0.6057 ± 1.826e−05
0.66
0.64
0.62
0.6
0.58
0.56
pull
Entries 54
Mean 2507
Std Dev 0
500
400
300
200
100
0
−100
−200
−300
−400

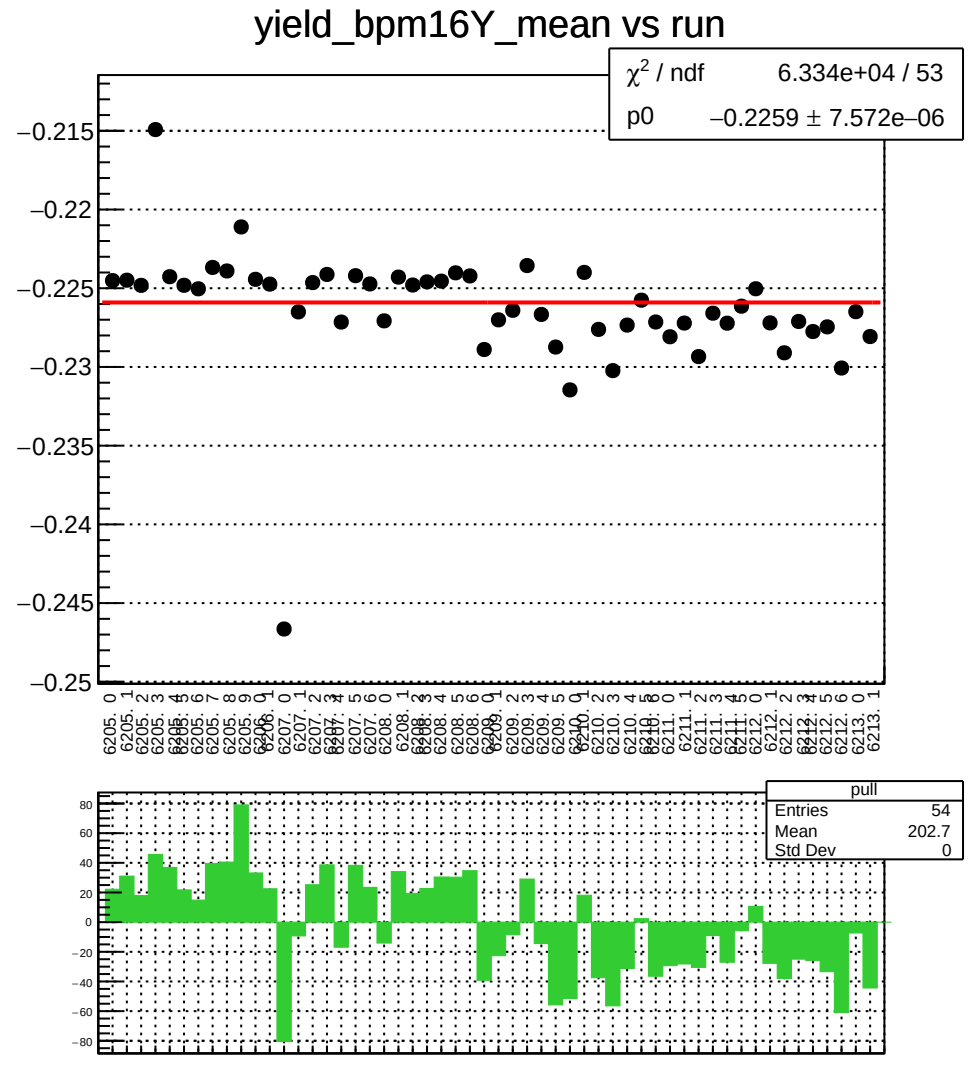

pull1D
Entries 54
Mean −1.641
Std Dev 2.472
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

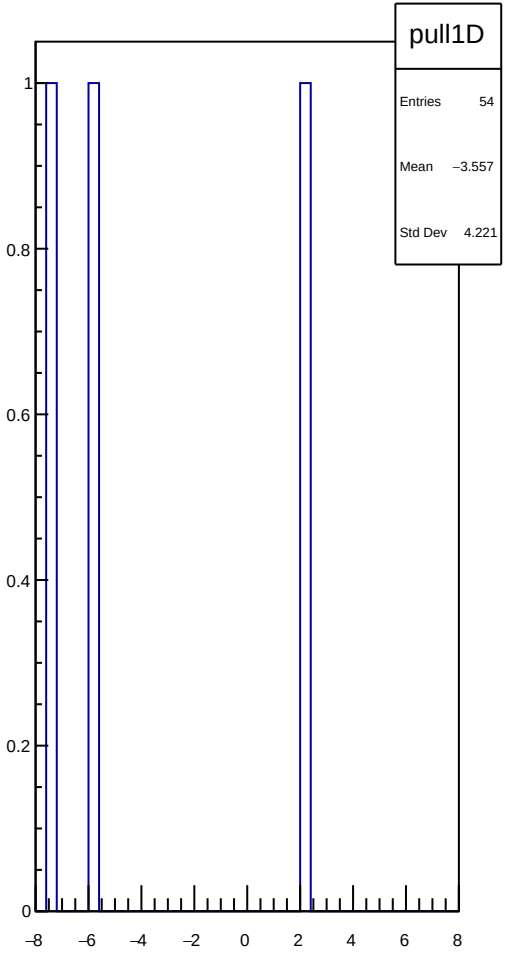

yield_bpm12Y_rms vs run
χ² / ndf 6.832e+04 / 53
p0 0.01285 ± 1.291e–05
0.05
0.04
0.03
0.02
0.01
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

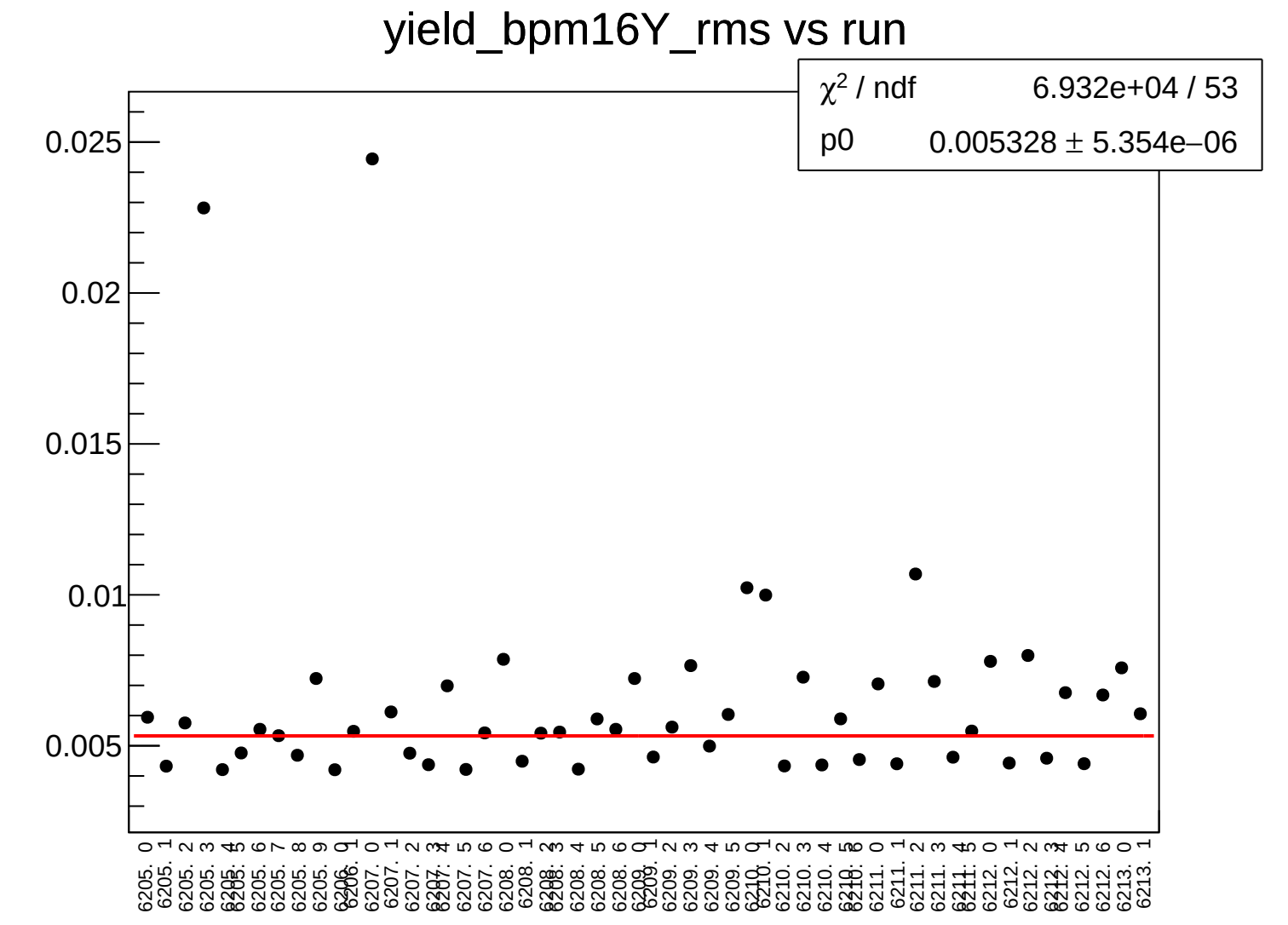

yield_bpm16X_mean vs run
χ² / ndf 1.87e+05 / 53
p0 −0.4503 ± 2.387e−05
pull
Entries 54
Mean 1318
Std Dev 0

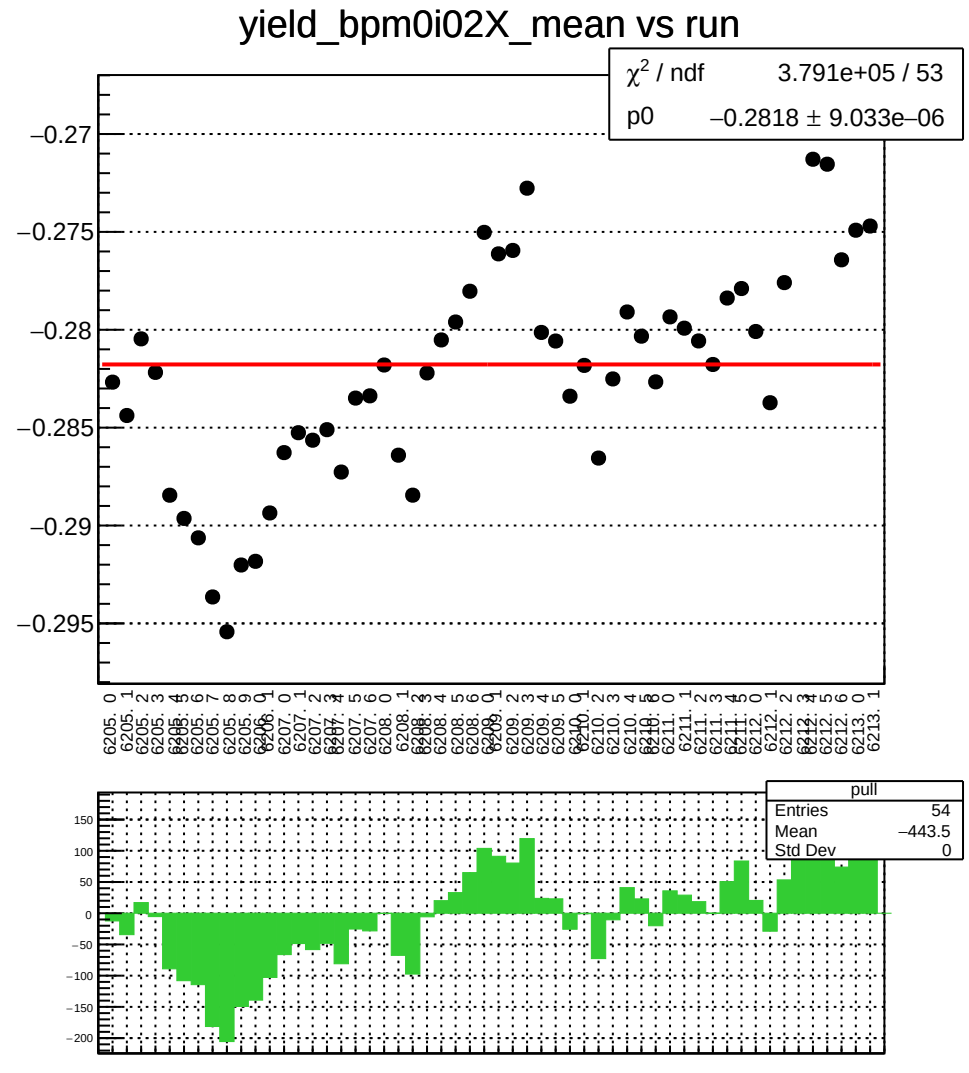

pull1D
Entries 54
Mean 1.468
Std Dev 5.436

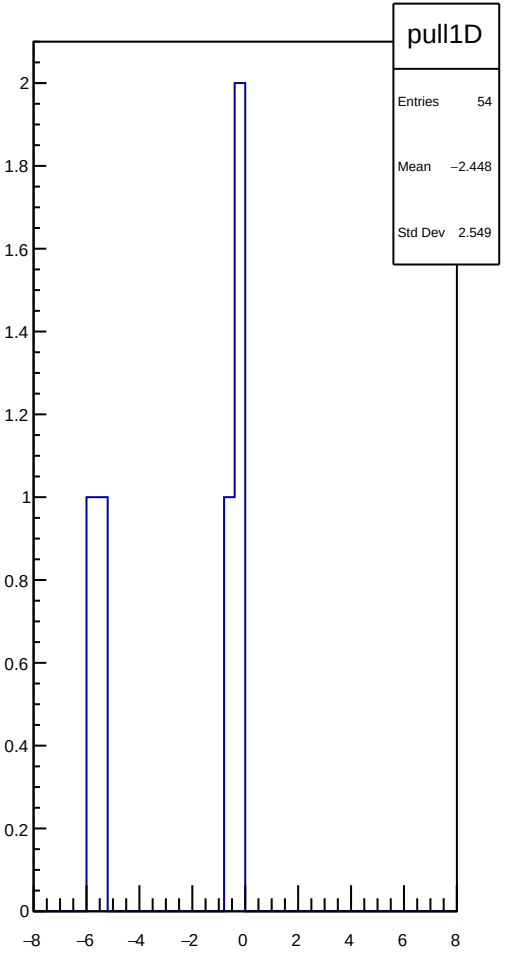

yield_bpm16X_rms vs run
χ² / ndf 2.244e+05 / 53
p0 0.01542 ± 1.688e−05
0.1
0.08
0.06
0.04
0.02
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

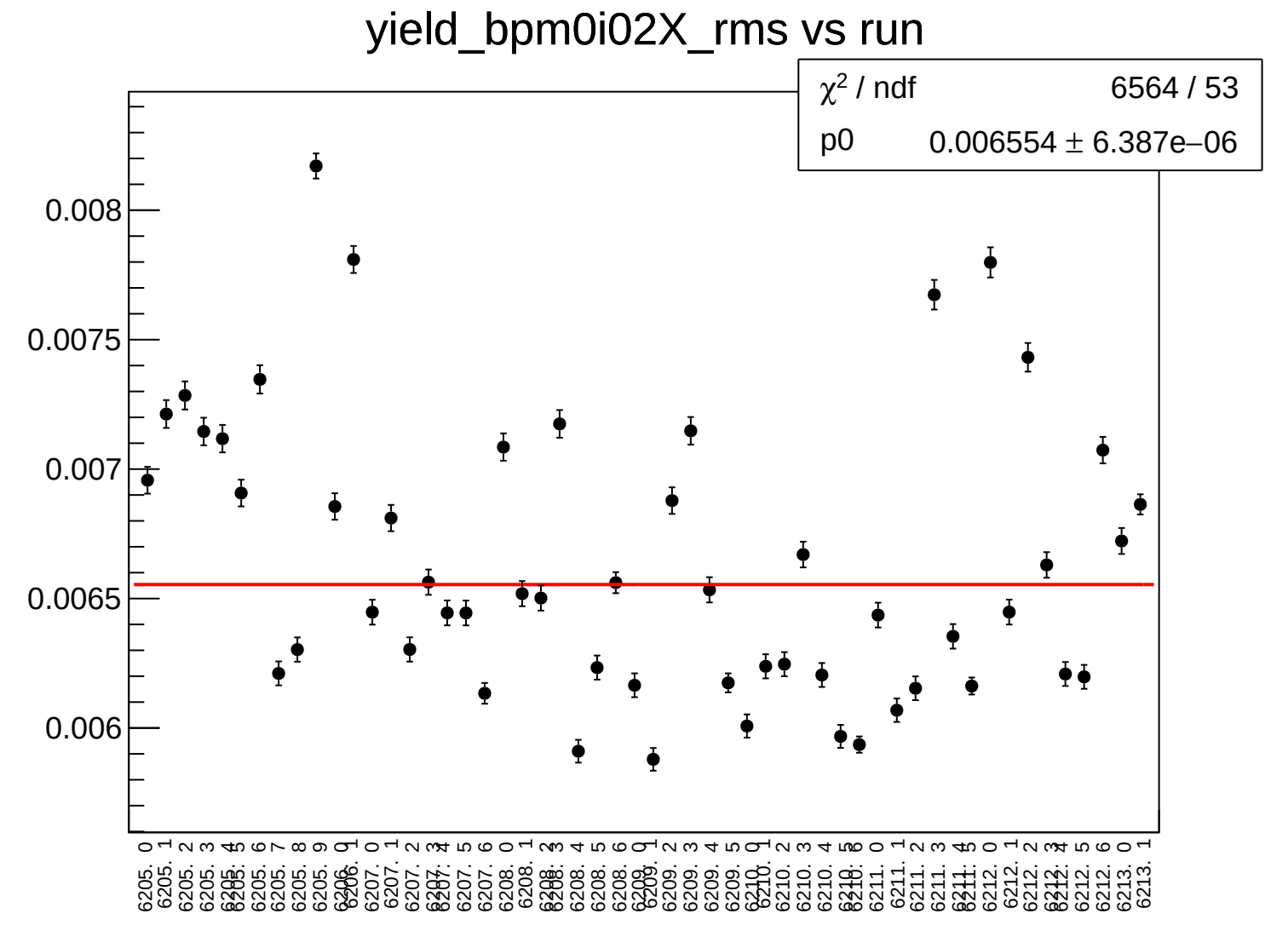

yield_bpm16Y_mean vs run
χ² / ndf 6.334e+04 / 53
p0 −0.2259 ± 7.572e−06
−0.215
−0.22
−0.225
−0.23
−0.235
−0.24
−0.245
−0.25
pull
Entries 54
Mean 202.7
Std Dev 0
80
60
40
20
0
−20
−40
−60
−80

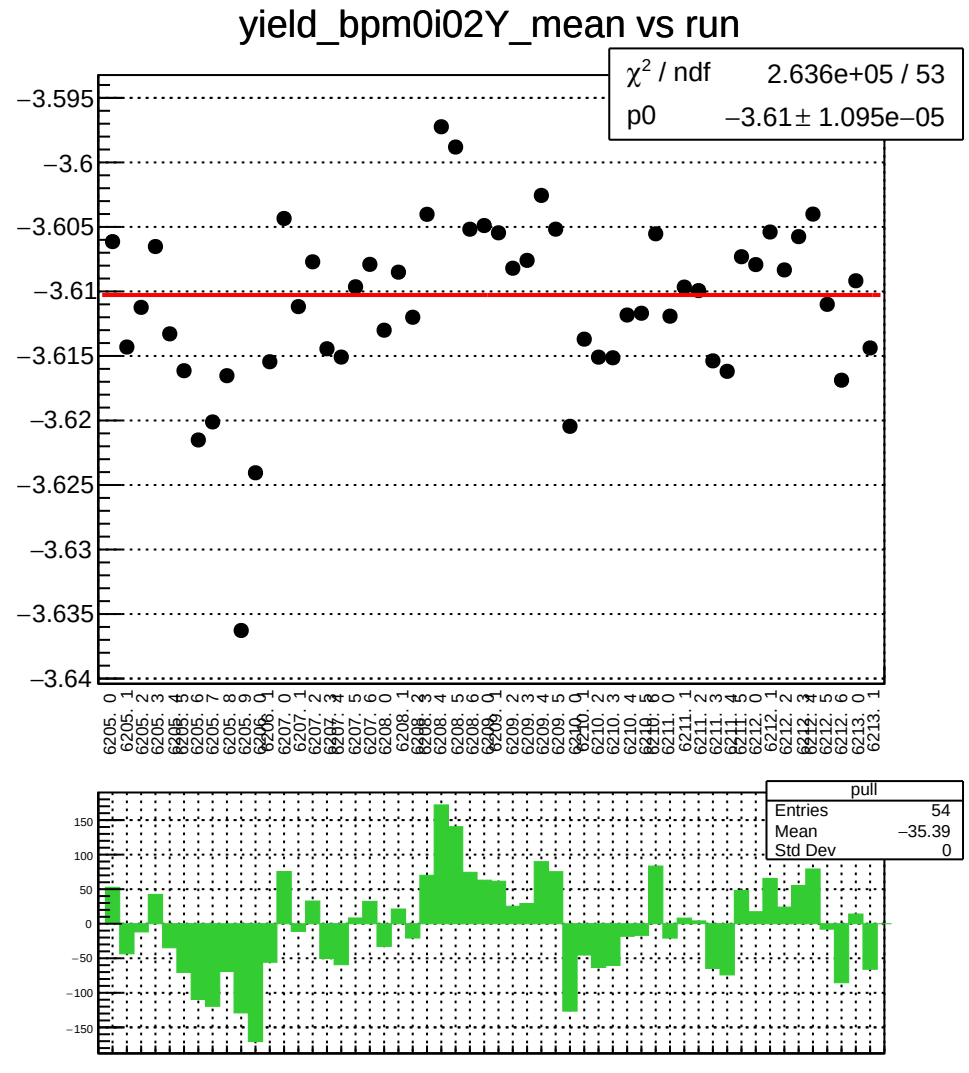

pull1D
Entries 54
Mean −3.557
Std Dev 4.221
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

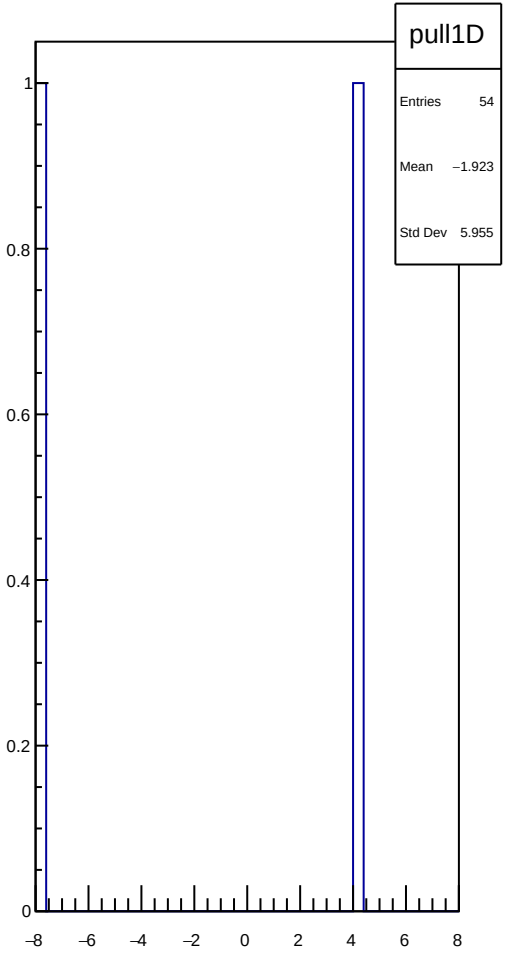

yield_bpm16Y_rms vs run
χ² / ndf 6.932e+04 / 53
p0 0.005328 ± 5.354e−06
0.025
0.02
0.015
0.01
0.005
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

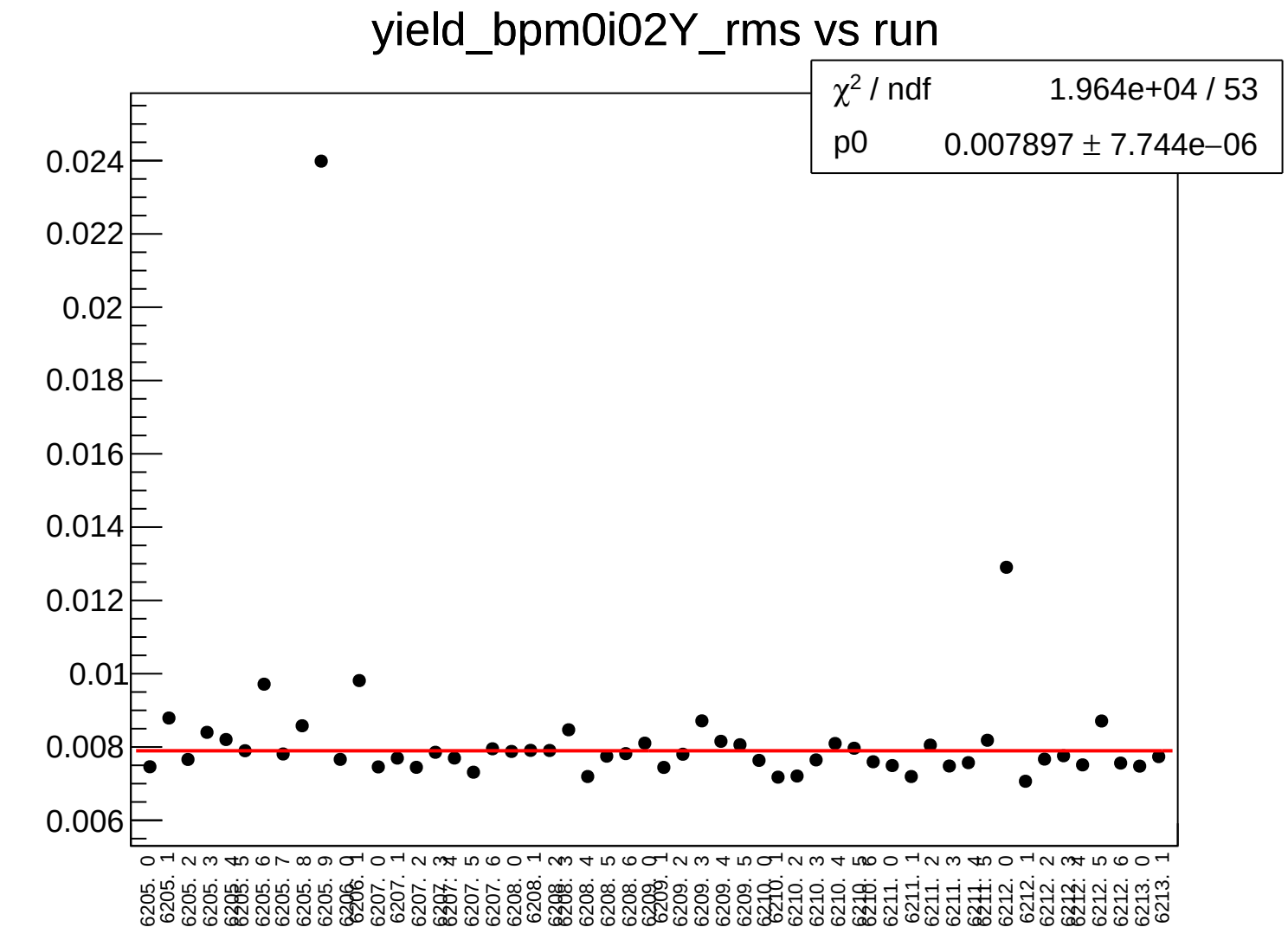

yield_bpm0i02X_mean vs run
χ² / ndf 3.791e+05 / 53
p0 −0.2818 ± 9.033e−06
−0.27
−0.275
−0.28
−0.285
−0.29
−0.295
pull
Entries 54
Mean −443.5
Std Dev 0
150
100
50
0
−50
−100
−150
−200

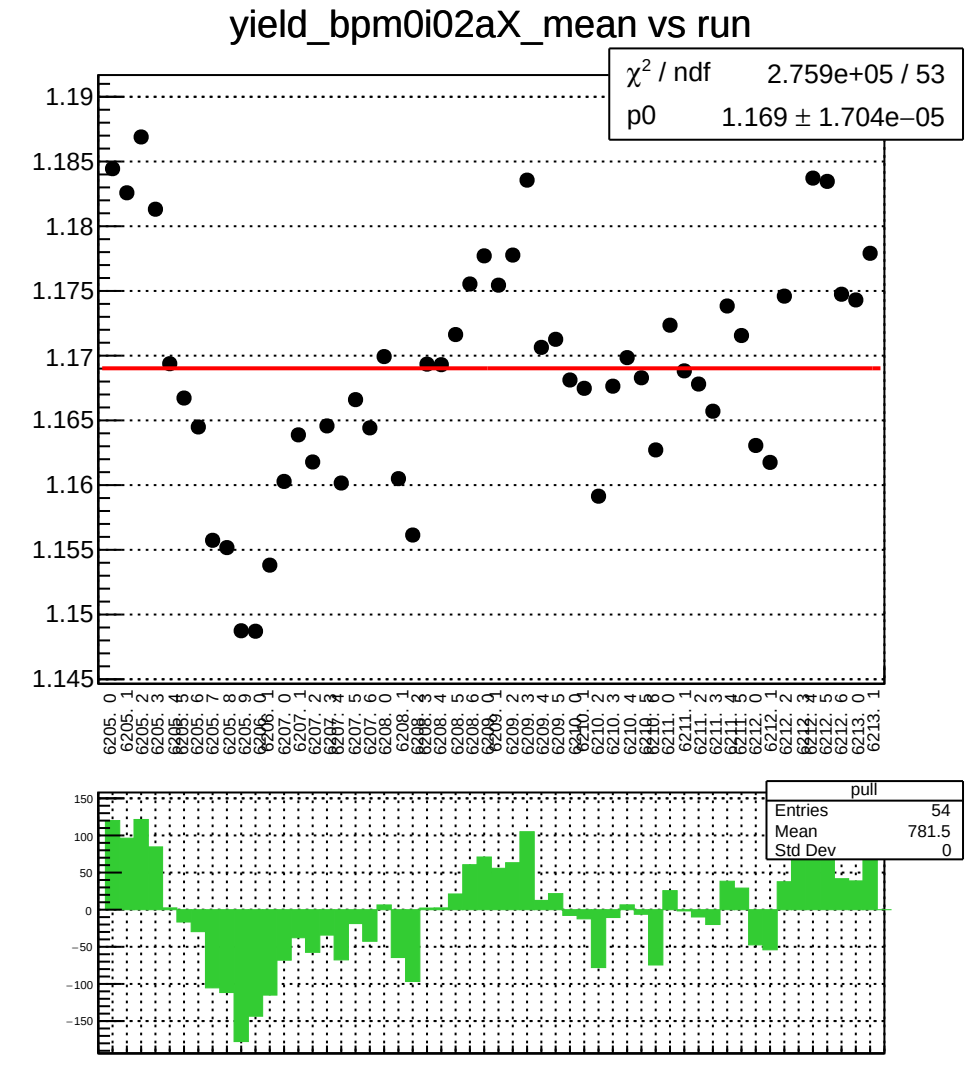

pull1D
Entries 54
Mean −2.448
Std Dev 2.549
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

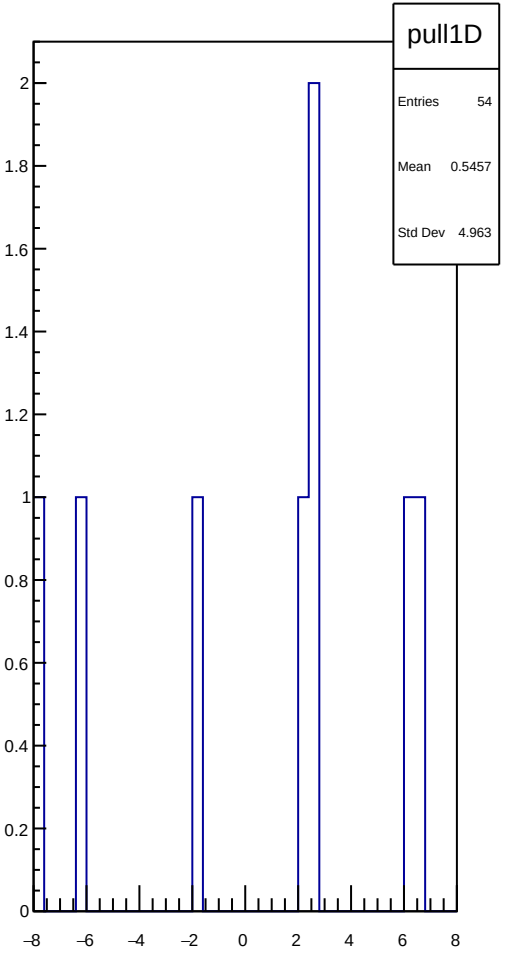

yield_bpm0i02X_rms vs run
χ² / ndf 6564 / 53
p0 0.006554 ± 6.387e−06
0.008
0.0075
0.007
0.0065
0.006
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

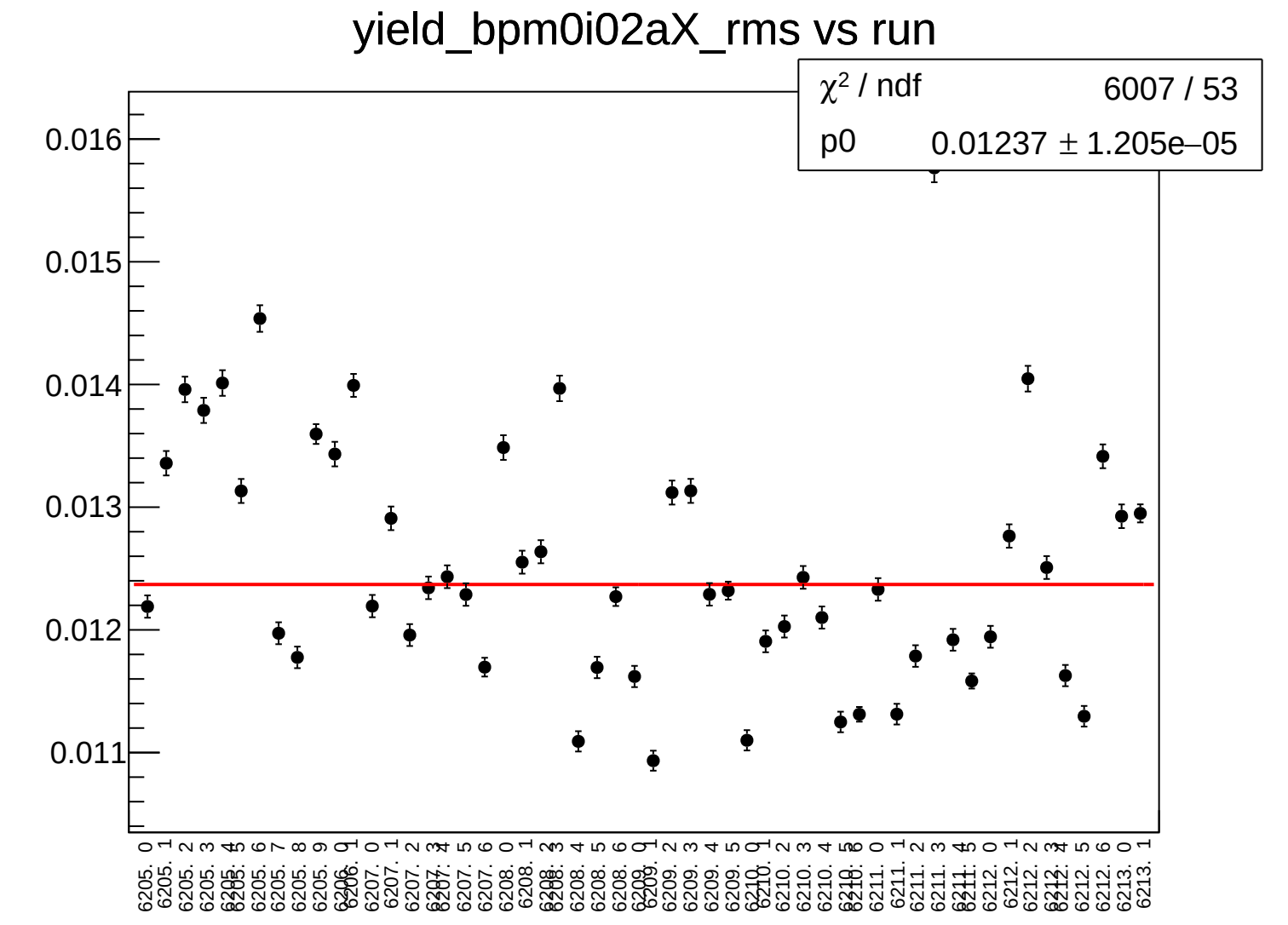

yield_bpm0i02Y_mean vs run
χ² / ndf 2.636e+05 / 53
p0 −3.61 ± 1.095e−05
−3.595
−3.6
−3.605
−3.61
−3.615
−3.62
−3.625
−3.63
−3.635
−3.64
pull
Entries 54
Mean −35.39
Std Dev 0
150
100
50
0
−50
−100
−150

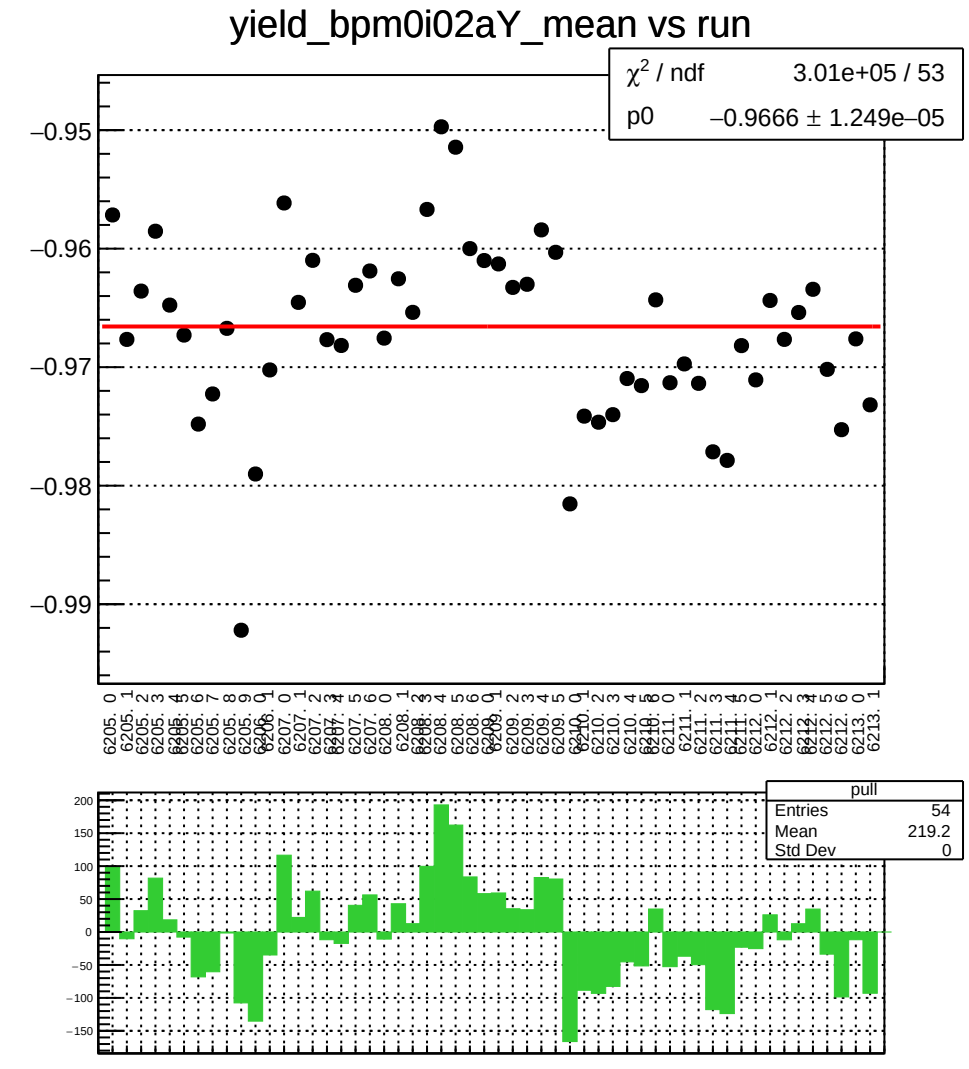

pull1D
Entries 54
Mean −1.923
Std Dev 5.955
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

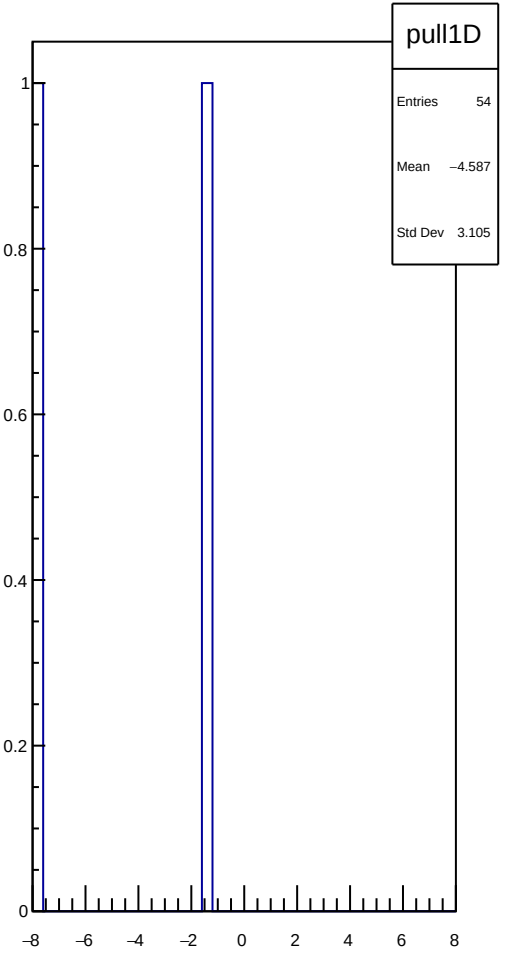

yield_bpm0i02Y_rms vs run
χ² / ndf 1.964e+04 / 53
p0 0.007897 ± 7.744e−06
0.024
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

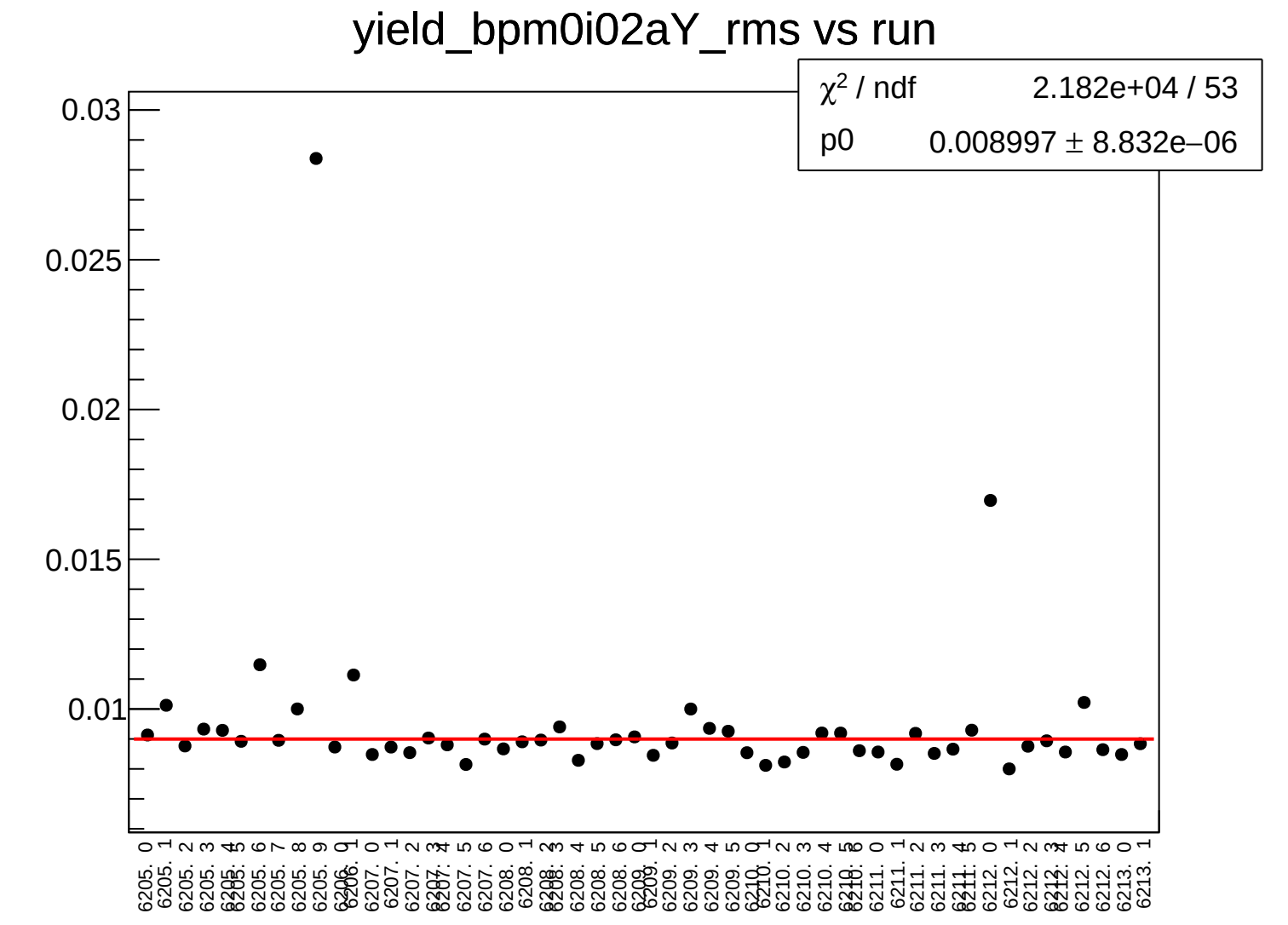

yield_bpm0i02aX_mean vs run
χ² / ndf 2.759e+05 / 53
p0 1.169 ± 1.704e−05
pull
Entries 54
Mean 781.5
Std Dev 0

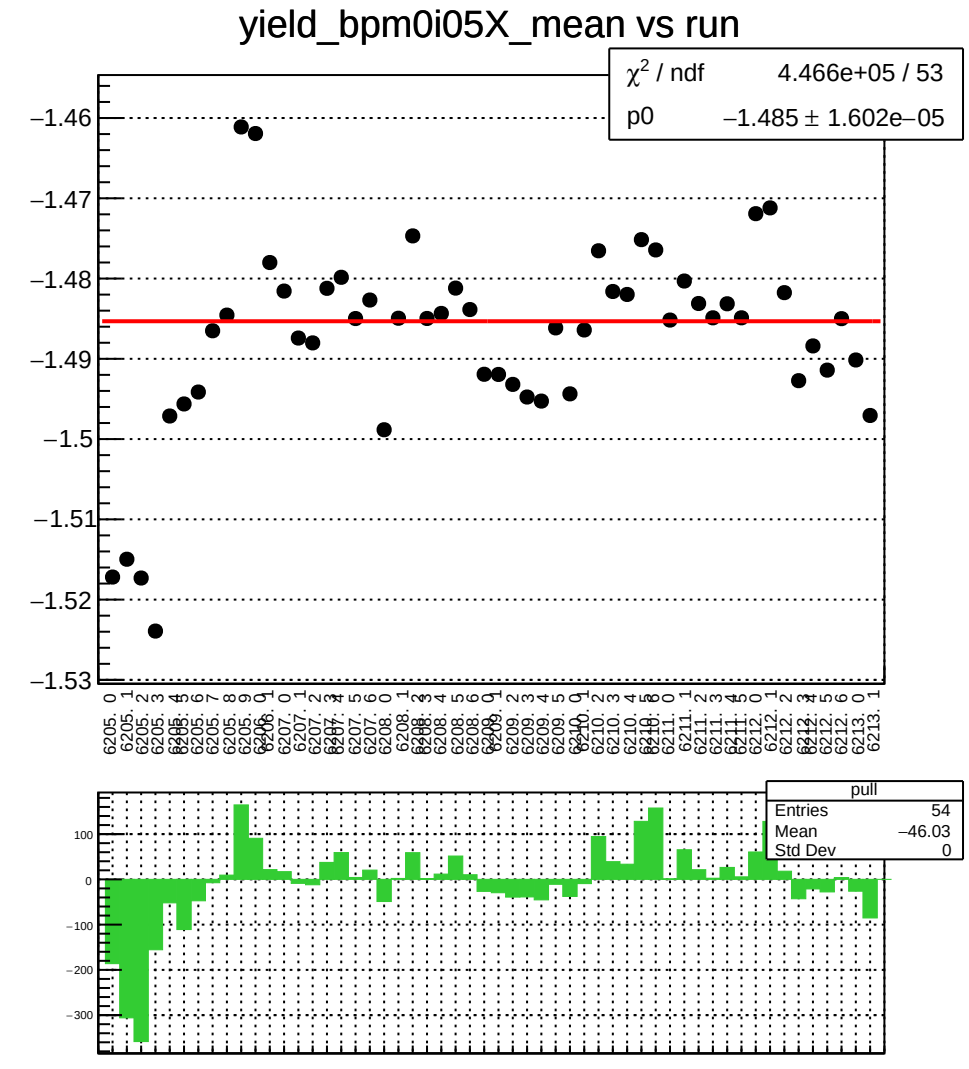

pull1D
Entries 54
Mean 0.5457
Std Dev 4.963

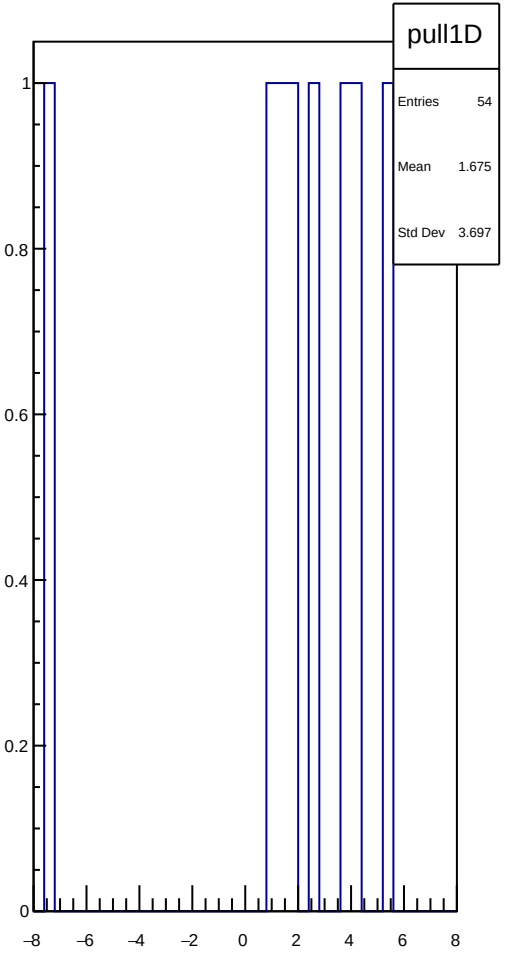

yield_bpm0i02aX_rms vs run
χ² / ndf 6007 / 53
p0 0.01237 ± 1.205e–05
0.016
0.015
0.014
0.013
0.012
0.011
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

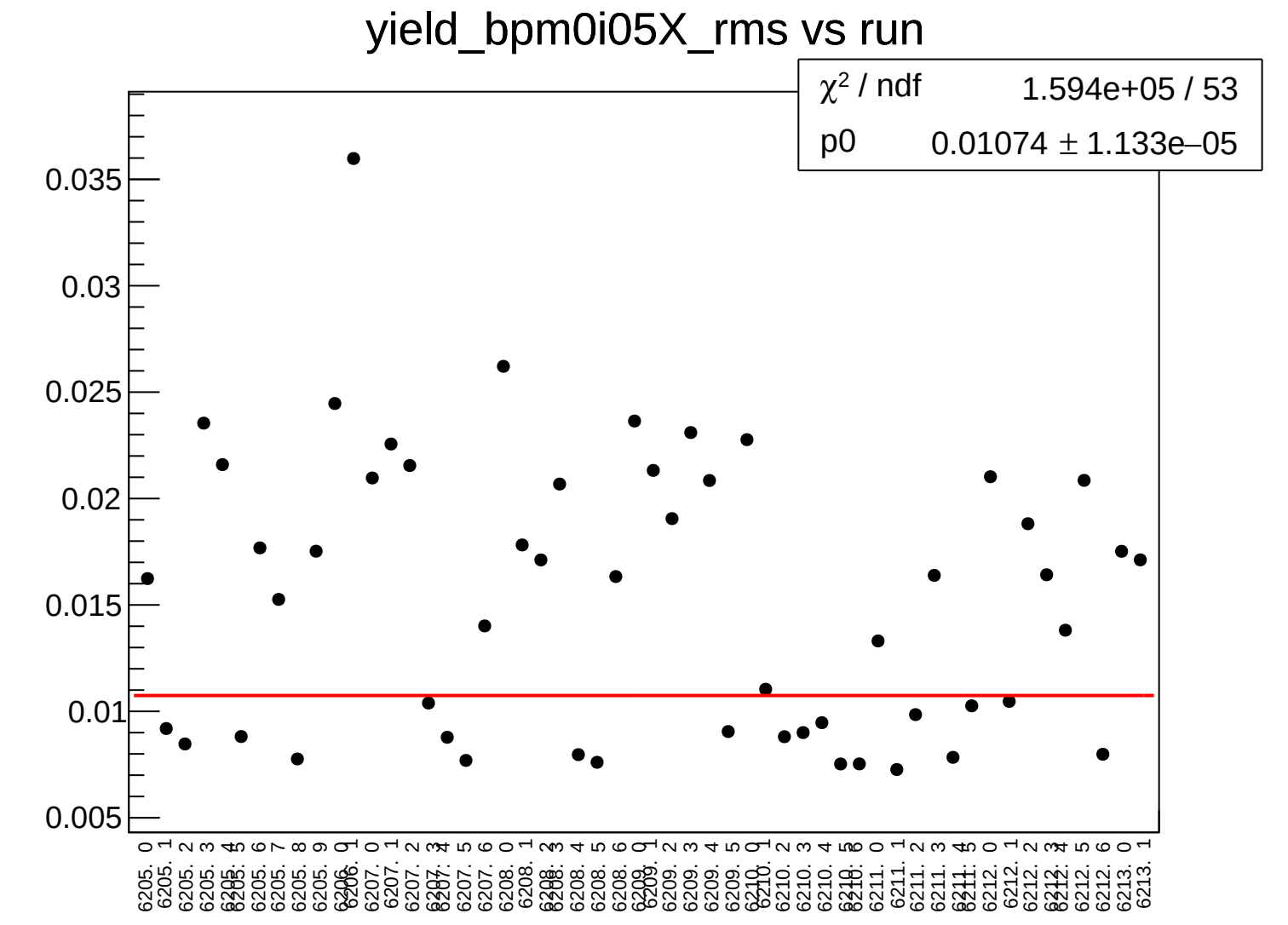

yield_bpm0i02aY_mean vs run
χ² / ndf 3.01e+05 / 53
p0 −0.9666 ± 1.249e−05
−0.95
−0.96
−0.97
−0.98
−0.99
pull
Entries 54
Mean 219.2
Std Dev 0
200
150
100
50
0
−50
−100
−150

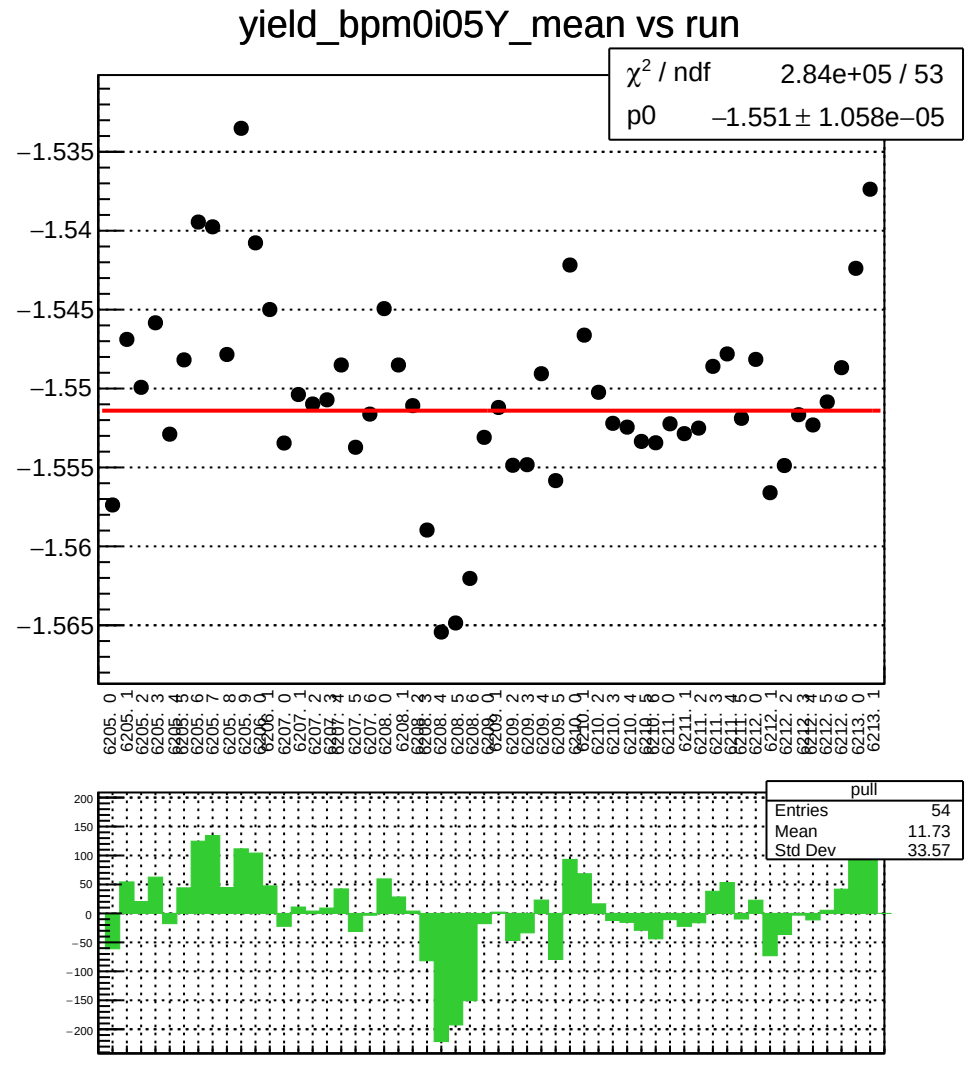

pull1D
Entries 54
Mean −4.587
Std Dev 3.105
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

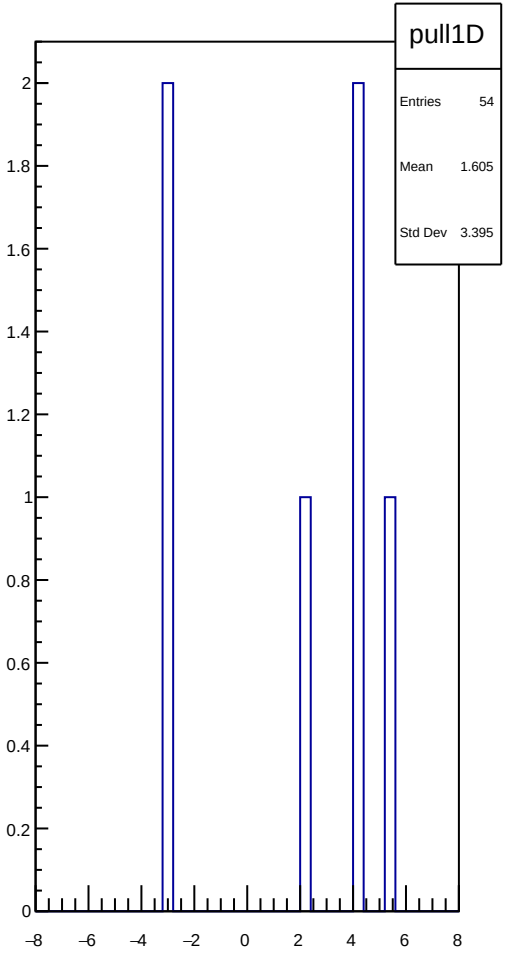

yield_bpm0i02aY_rms vs run
χ² / ndf 2.182e+04 / 53
p0 0.008997 ± 8.832e−06
0.03
0.025
0.02
0.015
0.01
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 1
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 1
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

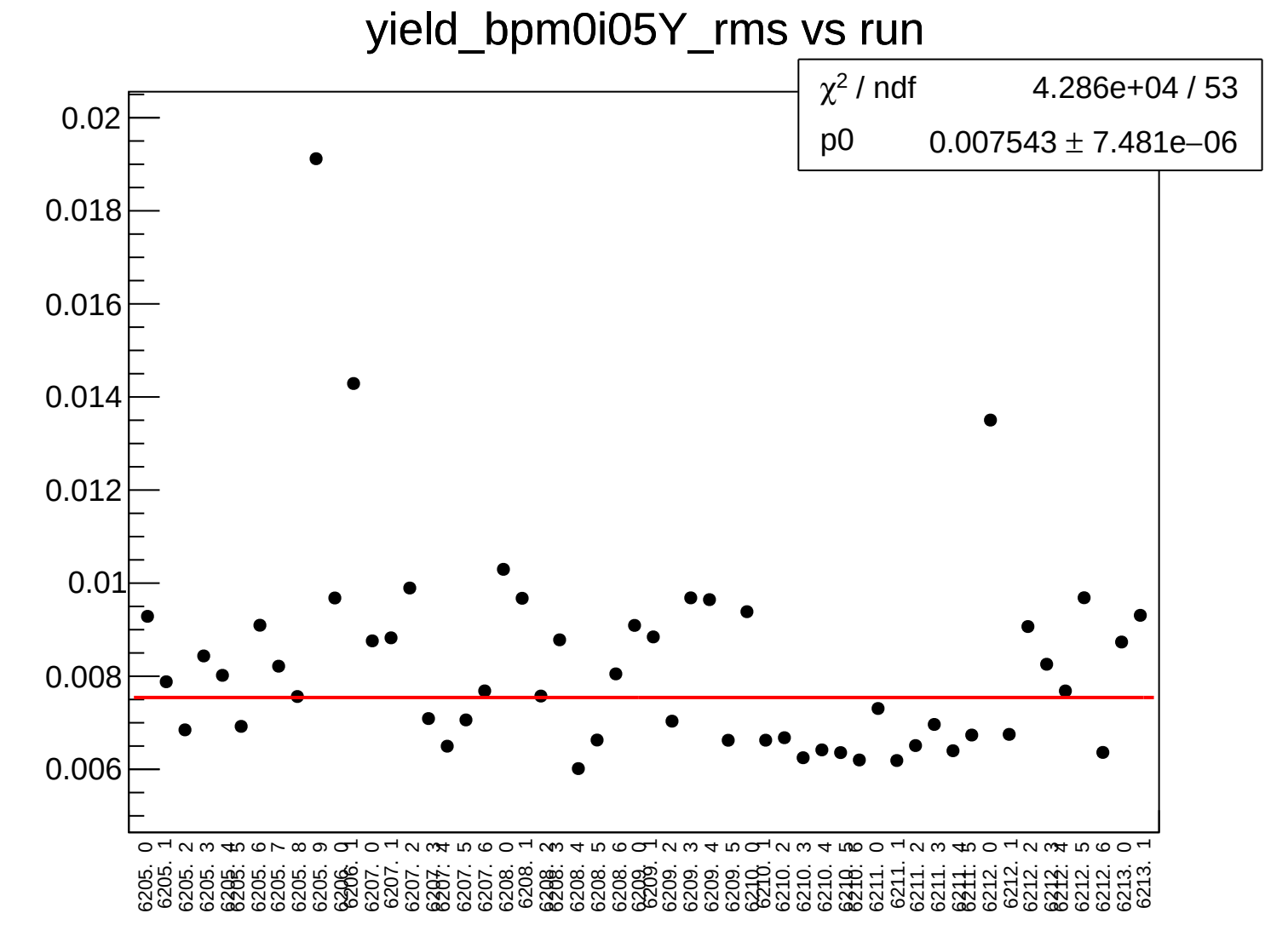

yield_bpm0i05X_mean vs run
χ² / ndf 4.466e+05 / 53
p0 −1.485 ± 1.602e−05
−1.46
−1.47
−1.48
−1.49
−1.5
−1.51
−1.52
−1.53
pull
Entries 54
Mean −46.03
Std Dev 0
100
0
−100
−200
−300

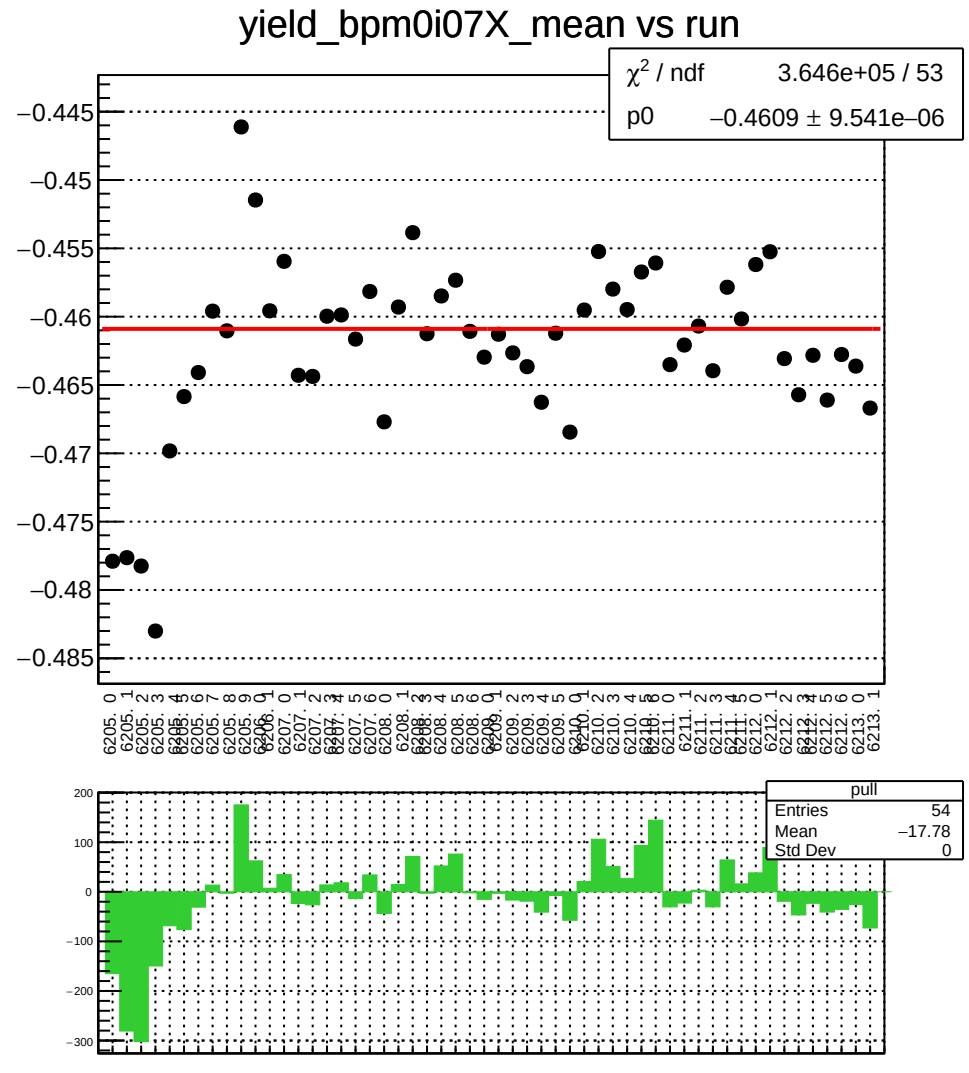

pull1D
Entries 54
Mean 1.675
Std Dev 3.697
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

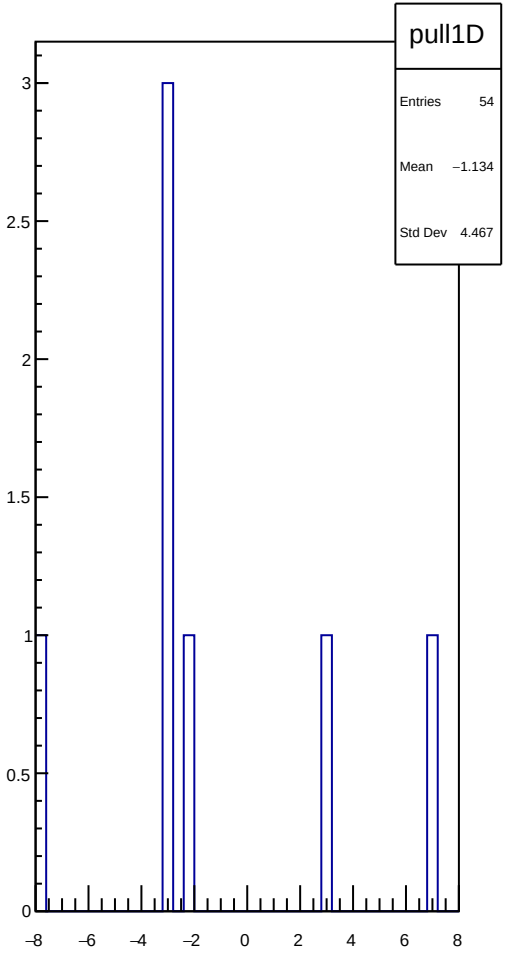

yield_bpm0i05X_rms vs run
χ² / ndf 1.594e+05 / 53
p0 0.01074 ± 1.133e–05
0.035
0.03
0.025
0.02
0.015
0.01
0.005
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

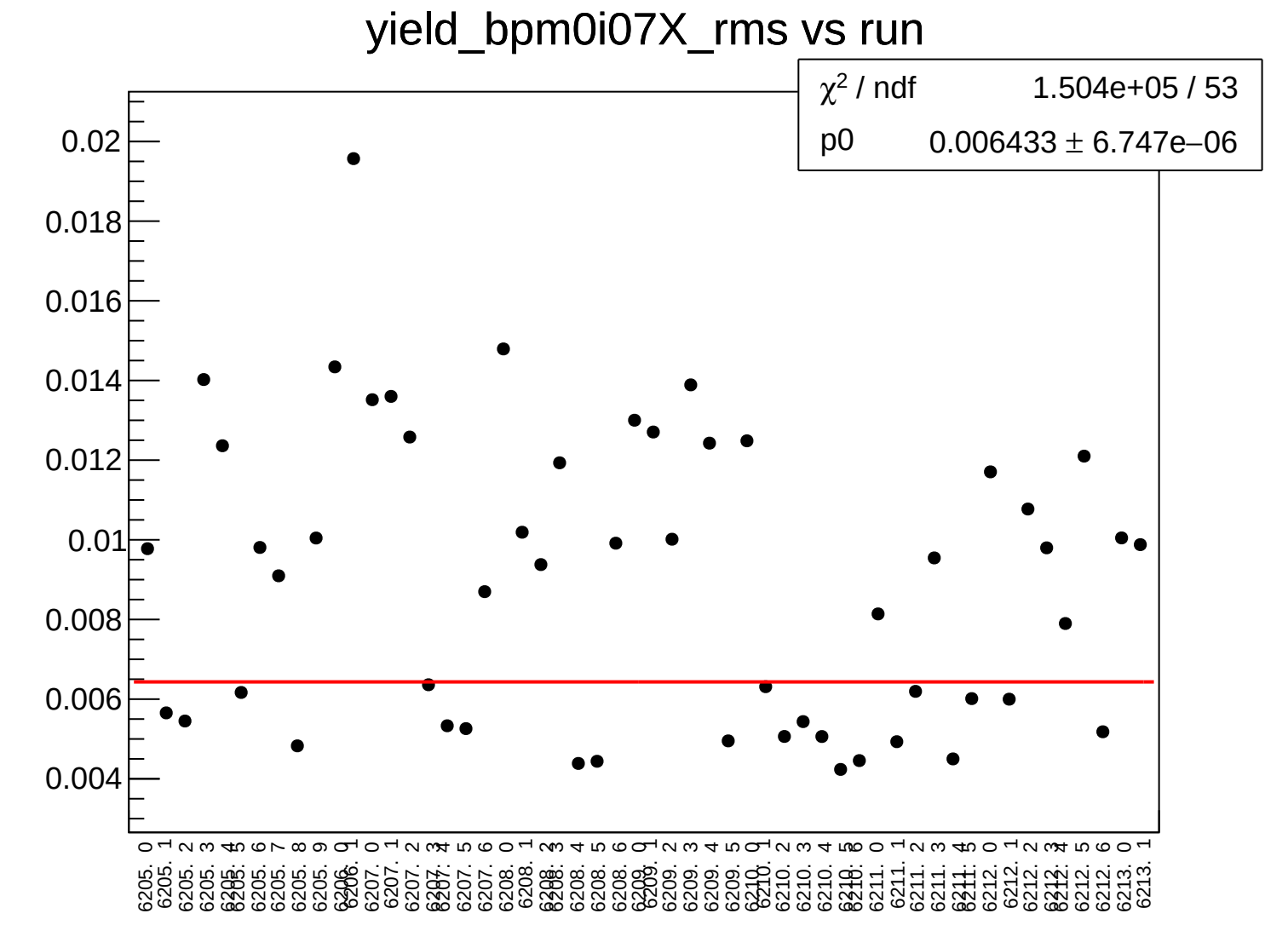

yield_bpm0i05Y_mean vs run
χ² / ndf 2.84e+05 / 53
p0 −1.551 ± 1.058e−05
−1.535
−1.54
−1.545
−1.55
−1.555
−1.56
−1.565
pull
Entries 54
Mean 11.73
Std Dev 33.57
200
150
100
50
0
−50
−100
−150
−200

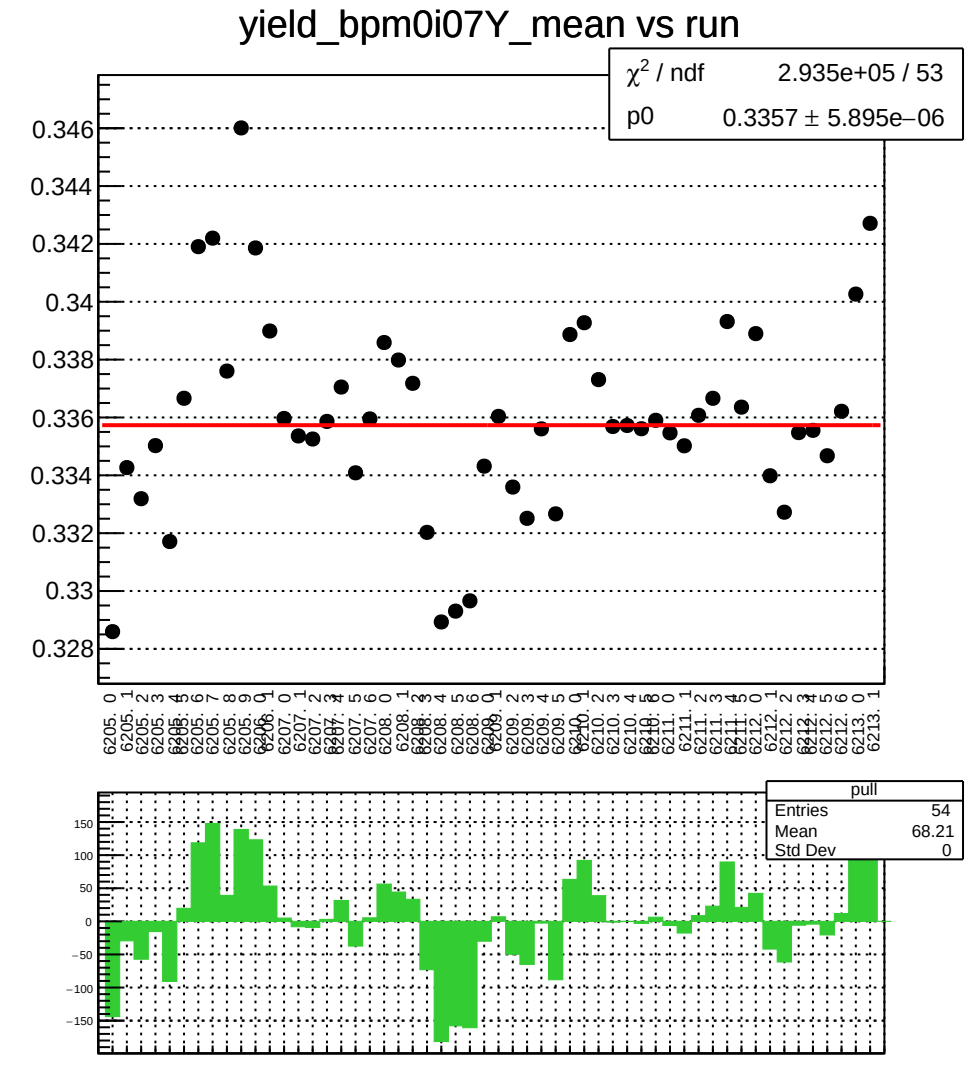

pull1D
Entries 54
Mean 1.605
Std Dev 3.395
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

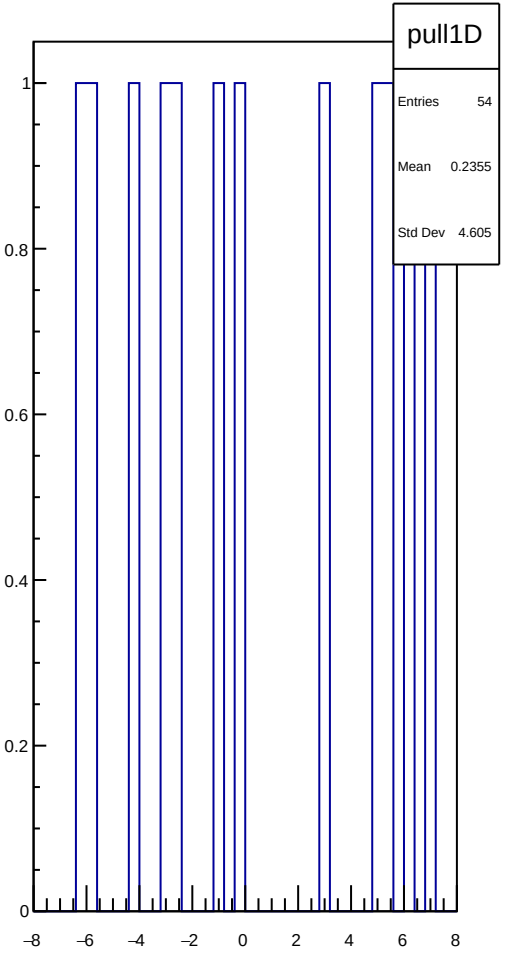

yield_bpm0i05Y_rms vs run
χ² / ndf 4.286e+04 / 53
p0 0.007543 ± 7.481e−06
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

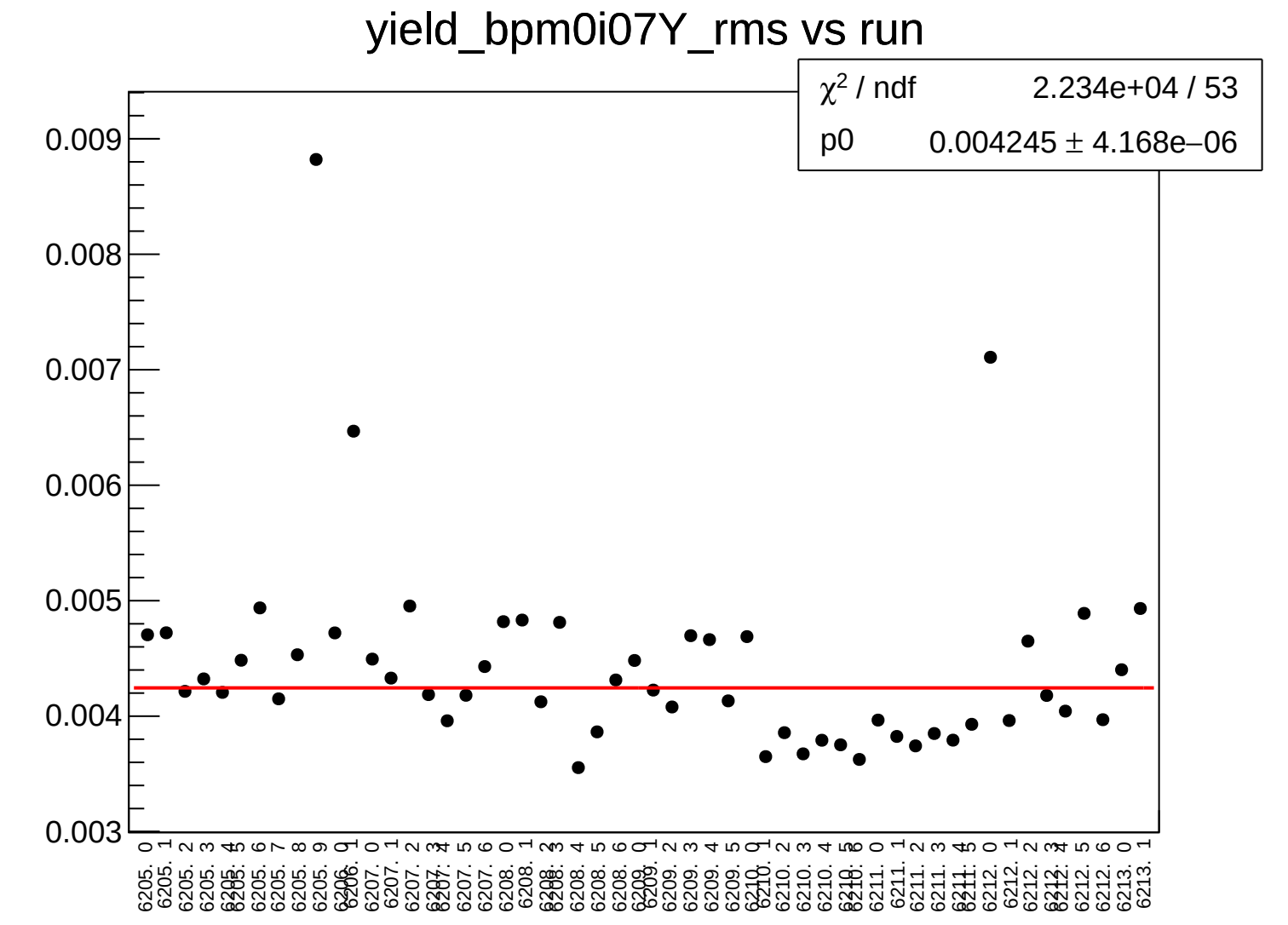

yield_bpm0i07X_mean vs run
χ² / ndf 3.646e+05 / 53
p0 −0.4609 ± 9.541e−06
−0.445
−0.45
−0.455
−0.46
−0.465
−0.47
−0.475
−0.48
−0.485
pull
Entries 54
Mean −17.78
Std Dev 0
200
100
0
−100
−200
−300

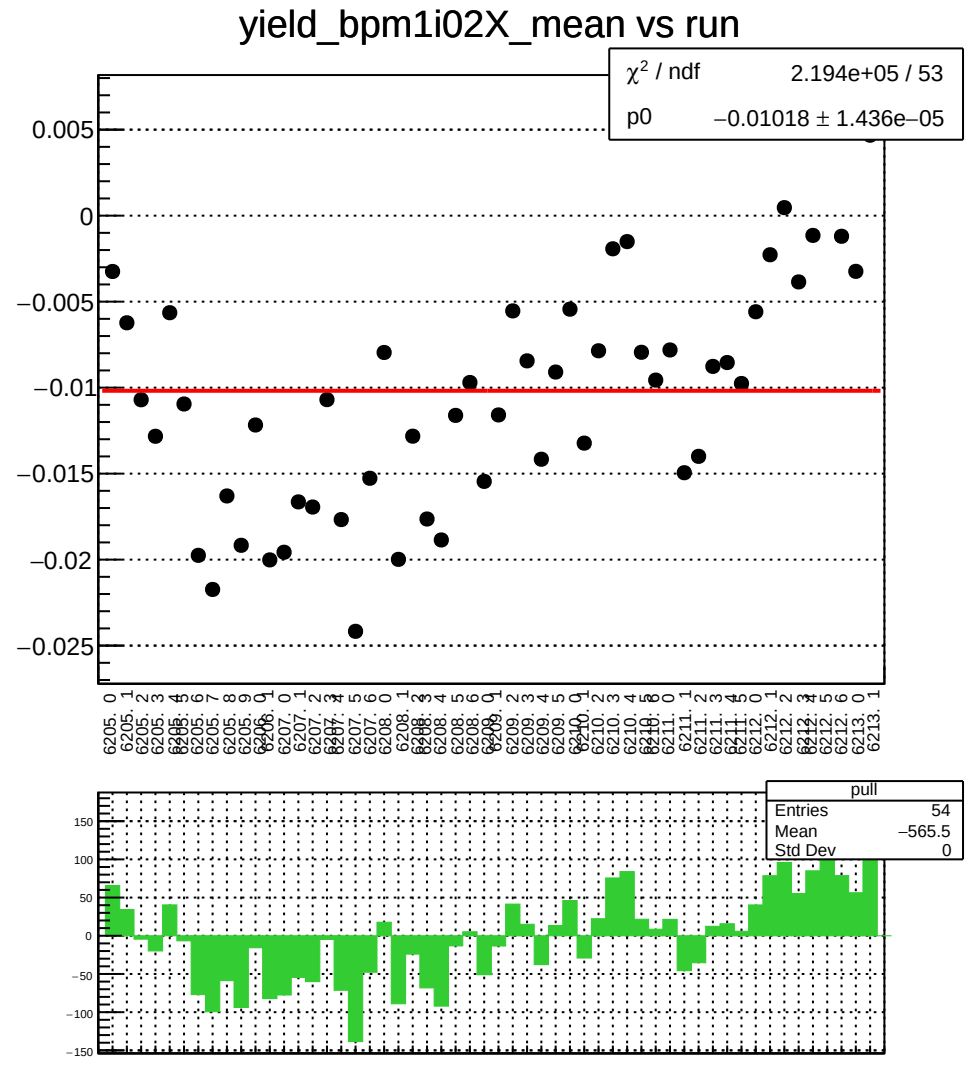

pull1D
Entries 54
Mean −1.134
Std Dev 4.467
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

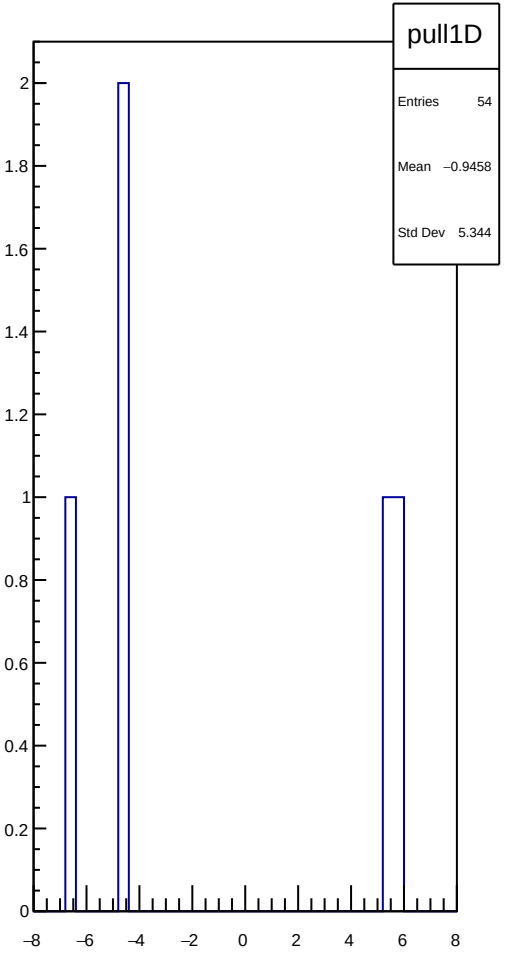

yield_bpm0i07X_rms vs run
χ² / ndf 1.504e+05 / 53
p0 0.006433 ± 6.747e−06
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 1
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 1
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

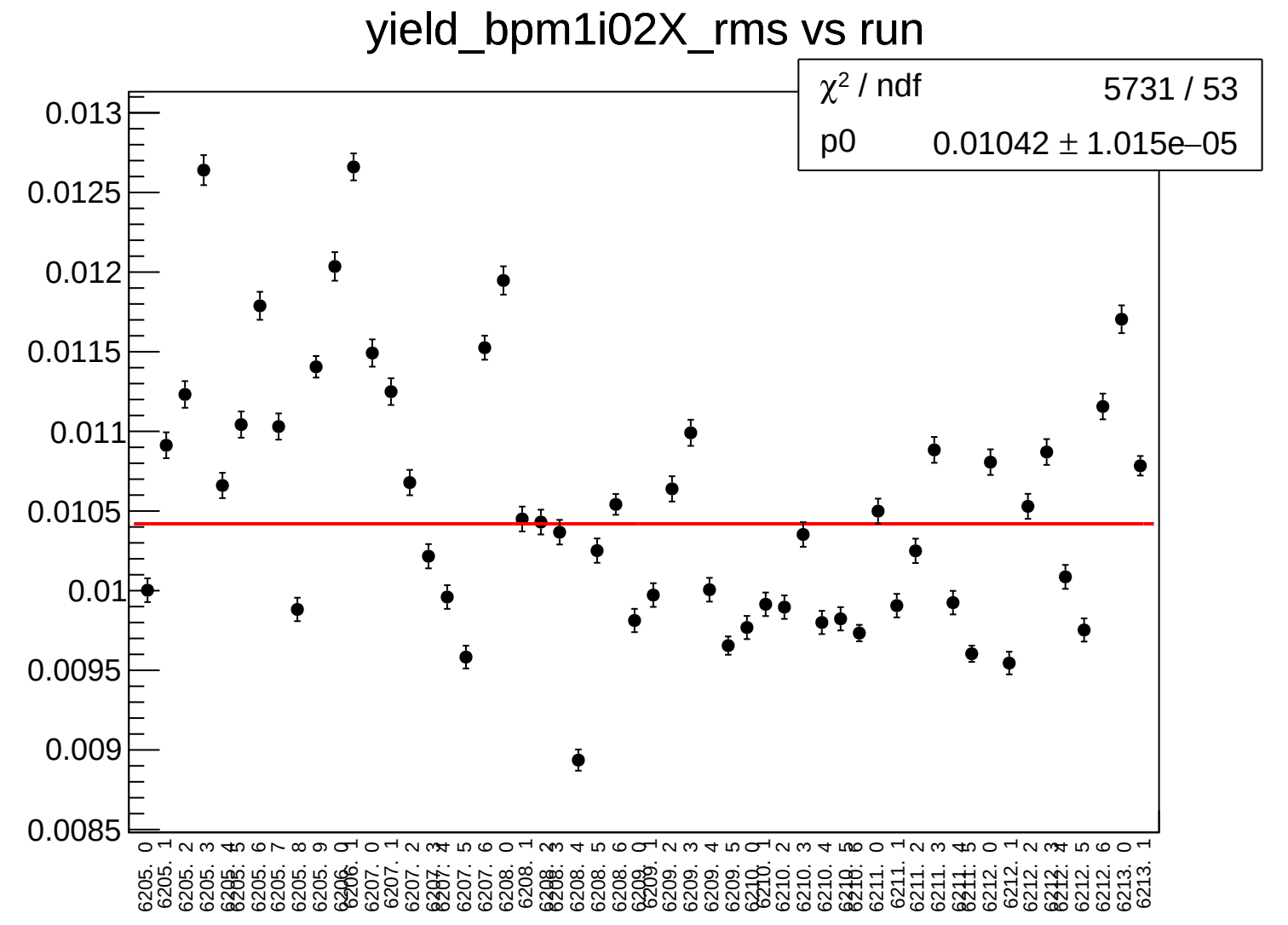

yield_bpm0i07Y_mean vs run
χ² / ndf 2.935e+05 / 53
p0 0.3357 ± 5.895e−06
0.346
0.344
0.342
0.34
0.338
0.336
0.334
0.332
0.33
0.328
pull
Entries 54
Mean 68.21
Std Dev 0
150
100
50
0
−50
−100
−150

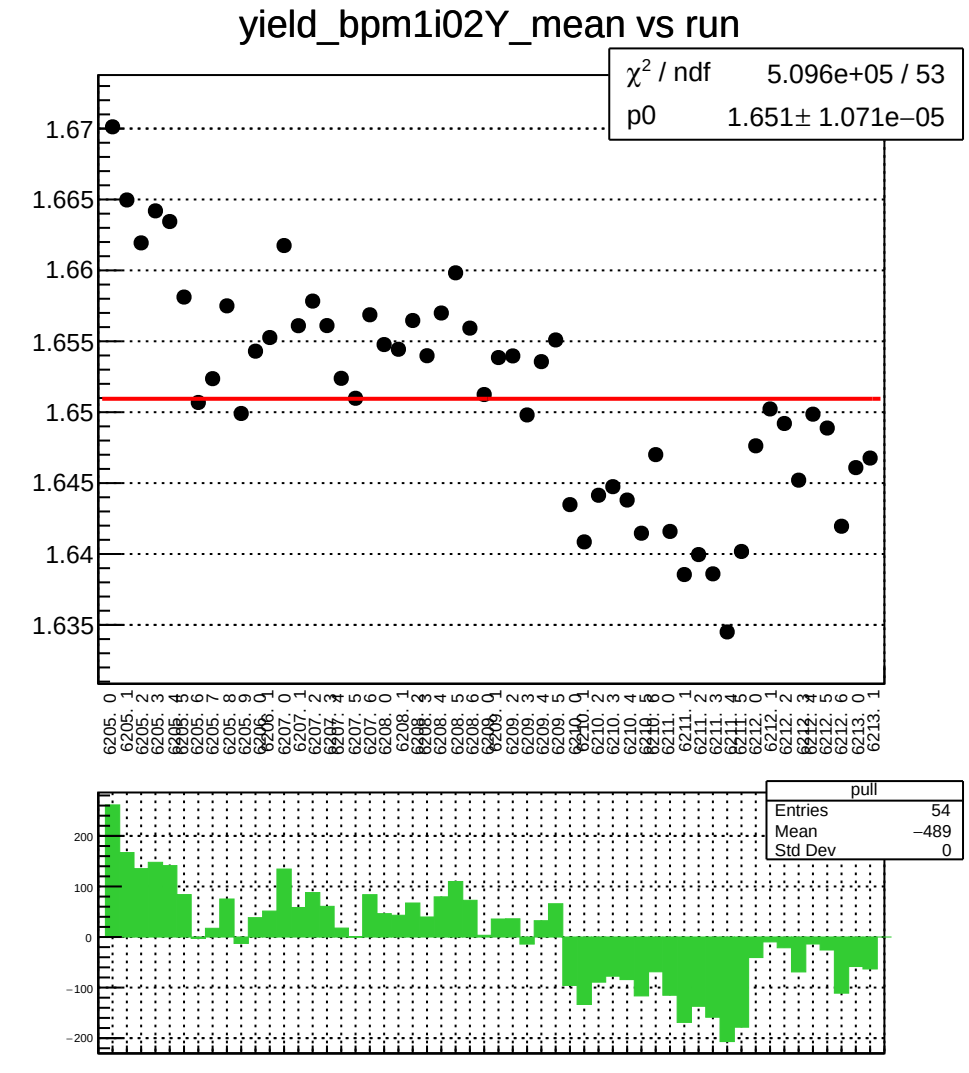

pull1D
Entries 54
Mean 0.2355
Std Dev 4.605
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

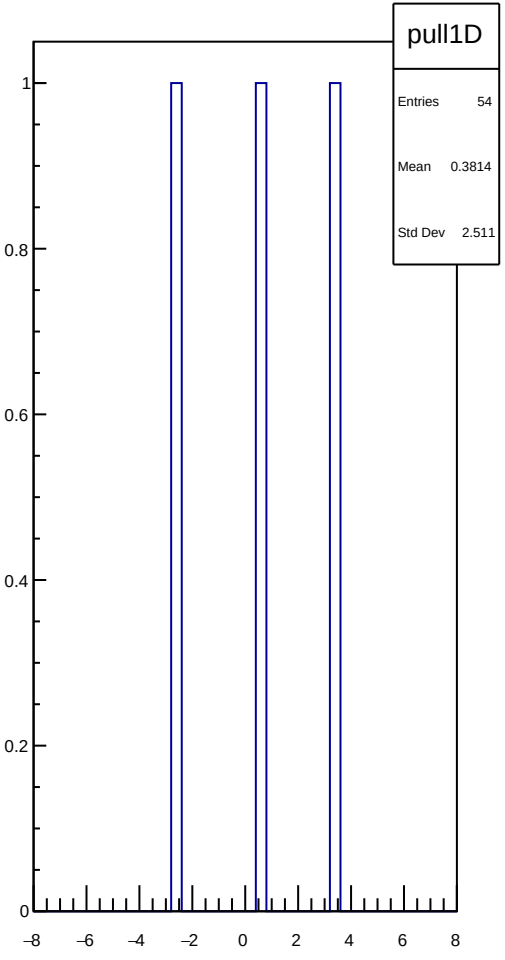

yield_bpm0i07Y_rms vs run
χ² / ndf 2.234e+04 / 53
p0 0.004245 ± 4.168e−06
0.009
0.008
0.007
0.006
0.005
0.004
0.003
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 1
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

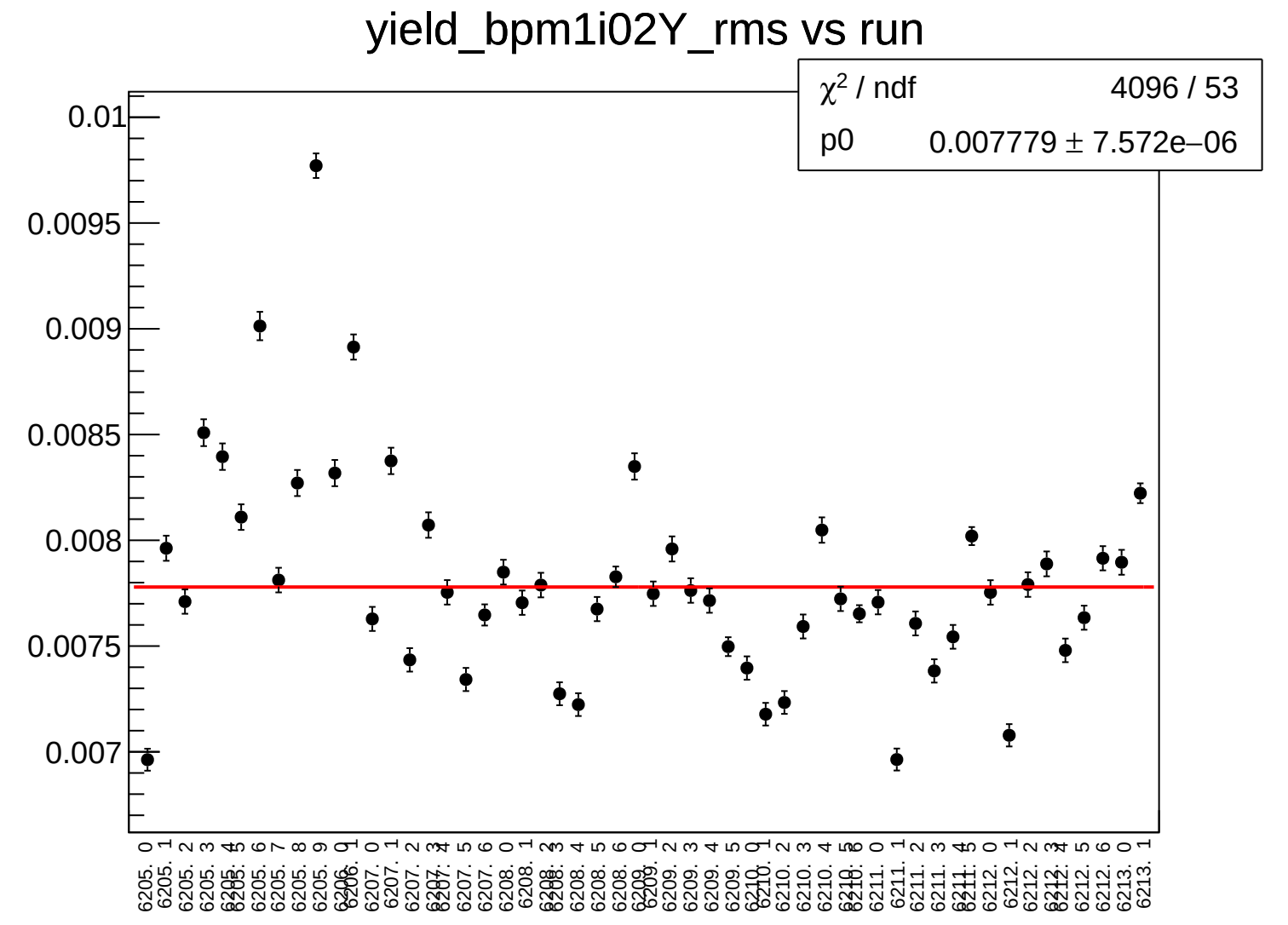

yield_bpm1i02X_mean vs run
χ² / ndf 2.194e+05 / 53
p0 −0.01018 ± 1.436e−05
pull
Entries 54
Mean −565.5
Std Dev 0

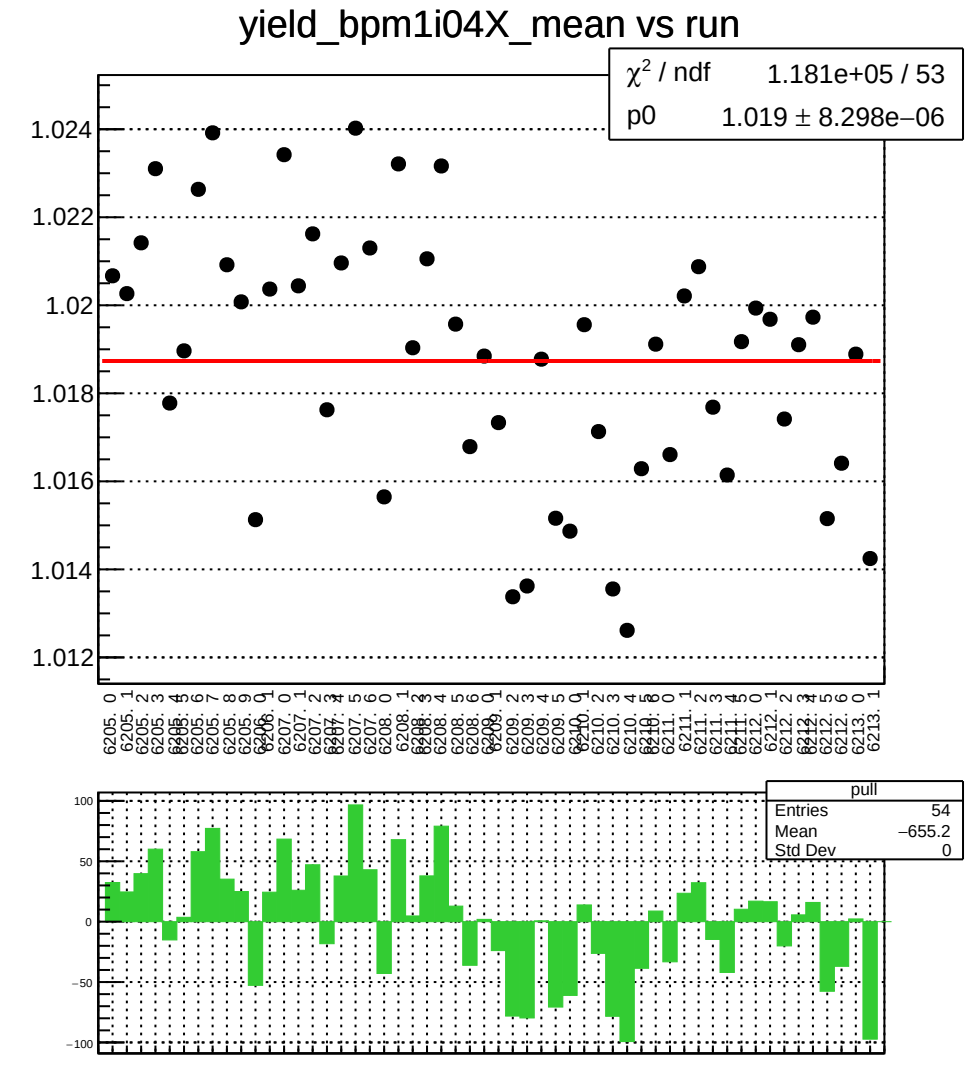

pull1D
Entries 54
Mean −0.9458
Std Dev 5.344

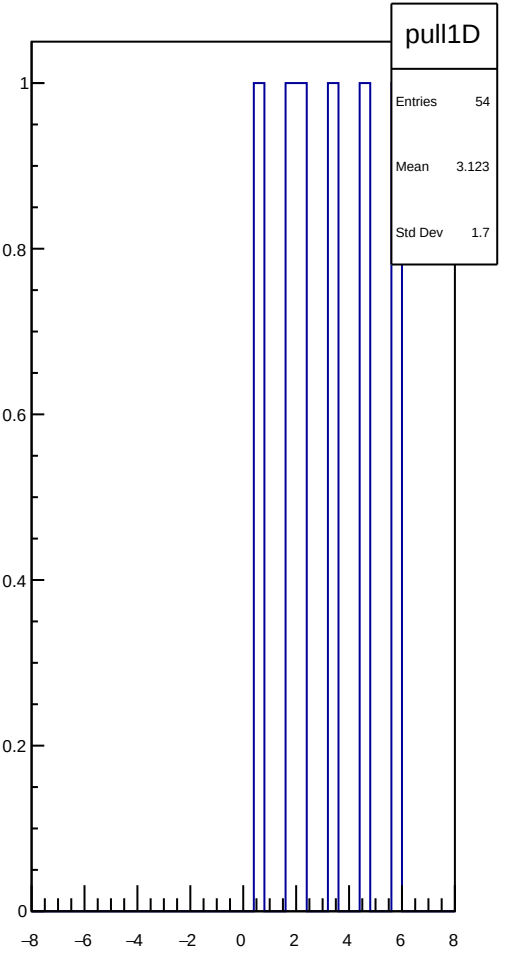

yield_bpm1i02X_rms vs run
χ² / ndf 5731 / 53
p0 0.01042 ± 1.015e–05
0.013
0.0125
0.012
0.0115
0.011
0.0105
0.01
0.0095
0.009
0.0085
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

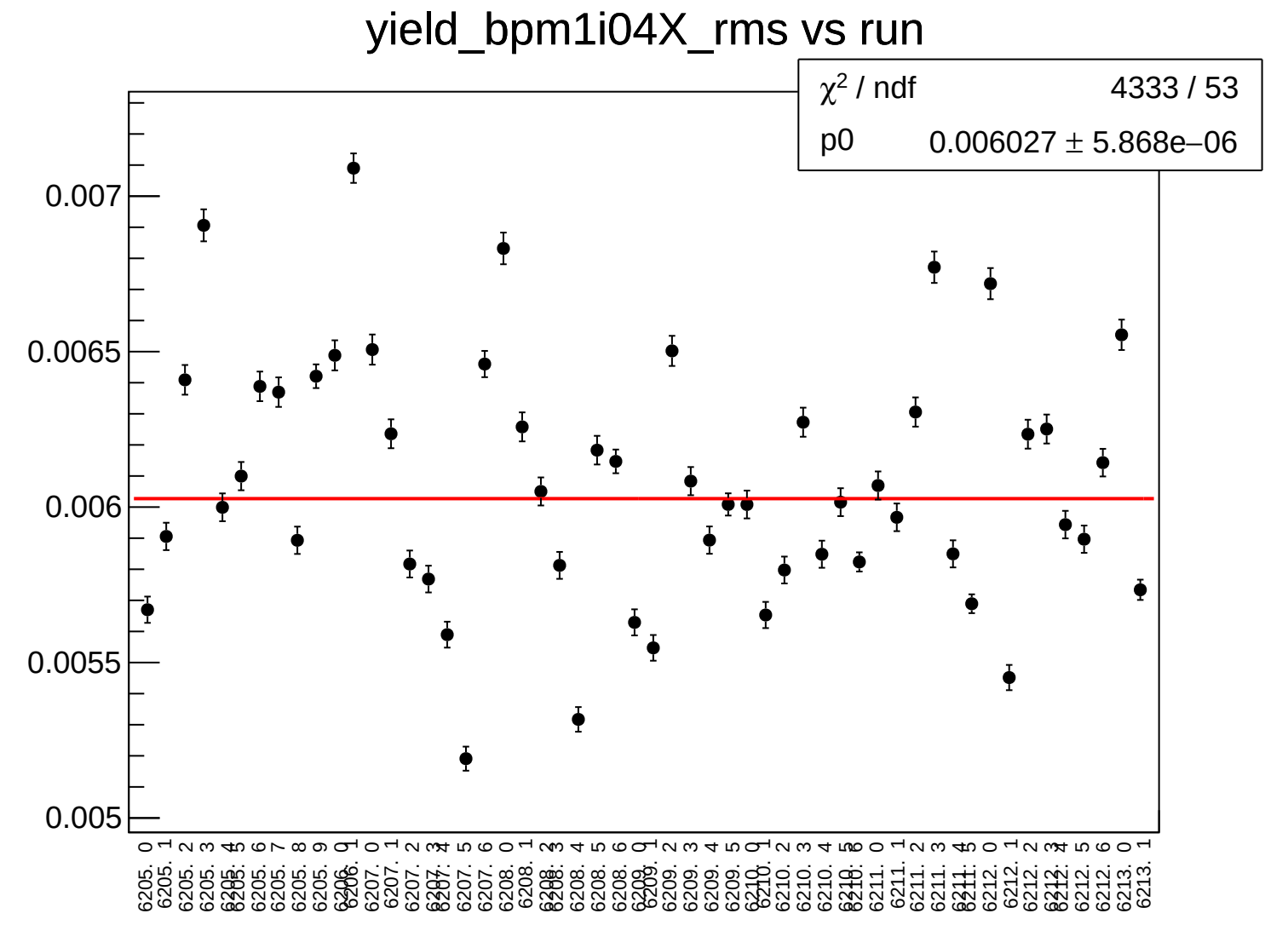

yield_bpm1i02Y_mean vs run
χ² / ndf 5.096e+05 / 53
p0 1.651± 1.071e−05
1.67
1.665
1.66
1.655
1.65
1.645
1.64
1.635
pull
Entries 54
Mean −489
Std Dev 0
200
100
0
−100
−200

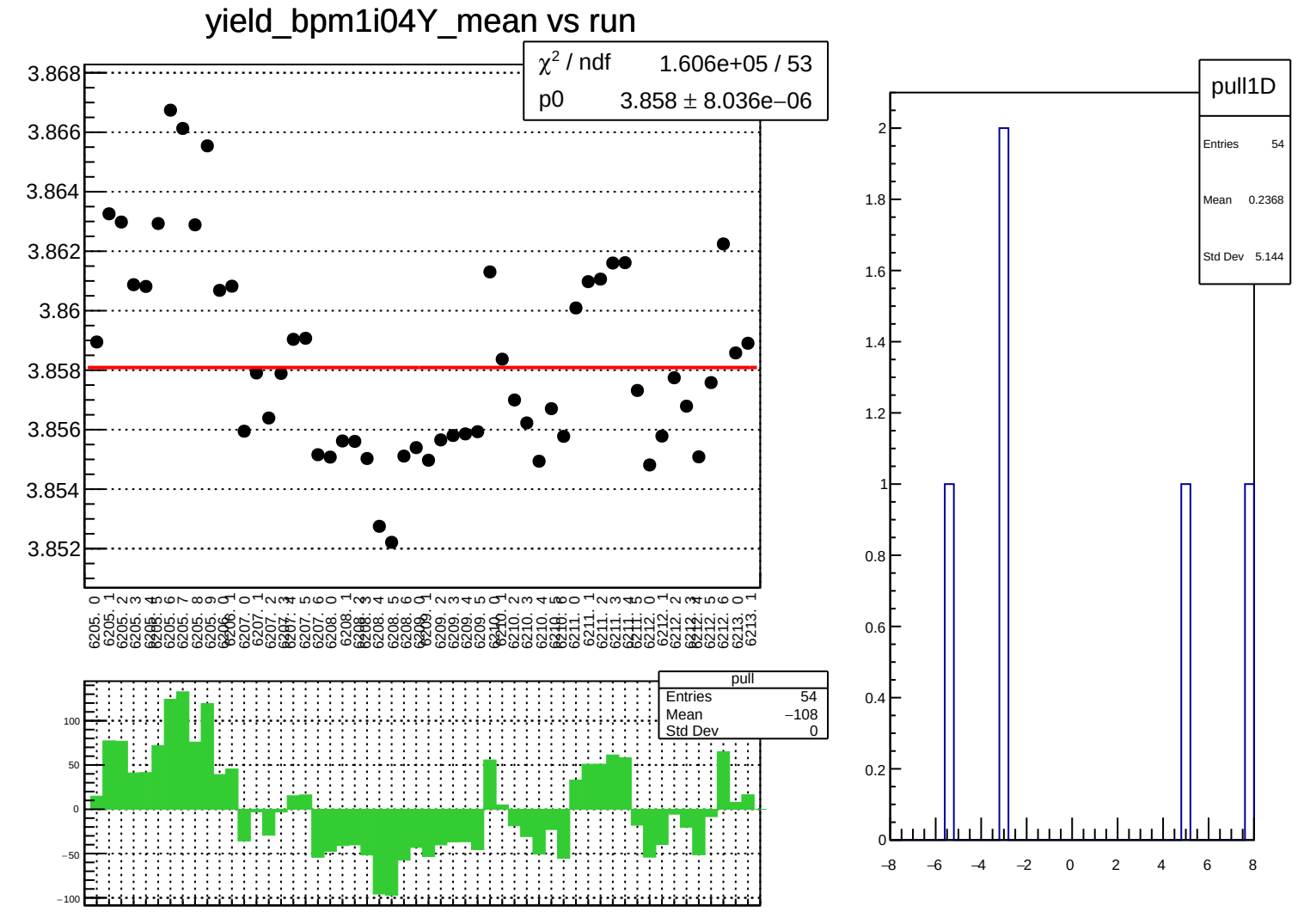

pull1D
Entries 54
Mean 0.3814
Std Dev 2.511
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

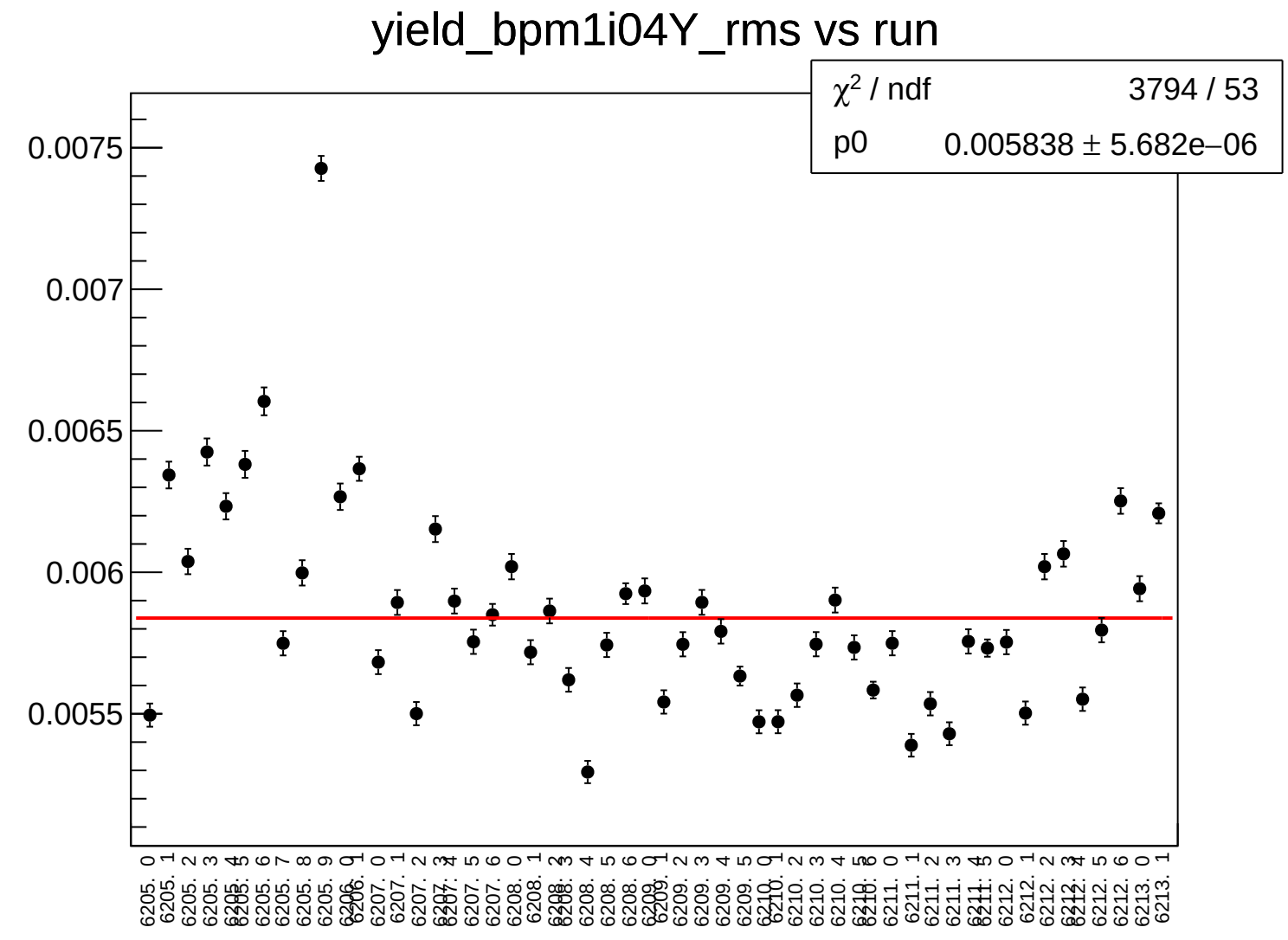

yield_bpm1i02Y_rms vs run
χ² / ndf 4096 / 53
p0 0.007779 ± 7.572e−06
0.01
0.0095
0.009
0.0085
0.008
0.0075
0.007
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

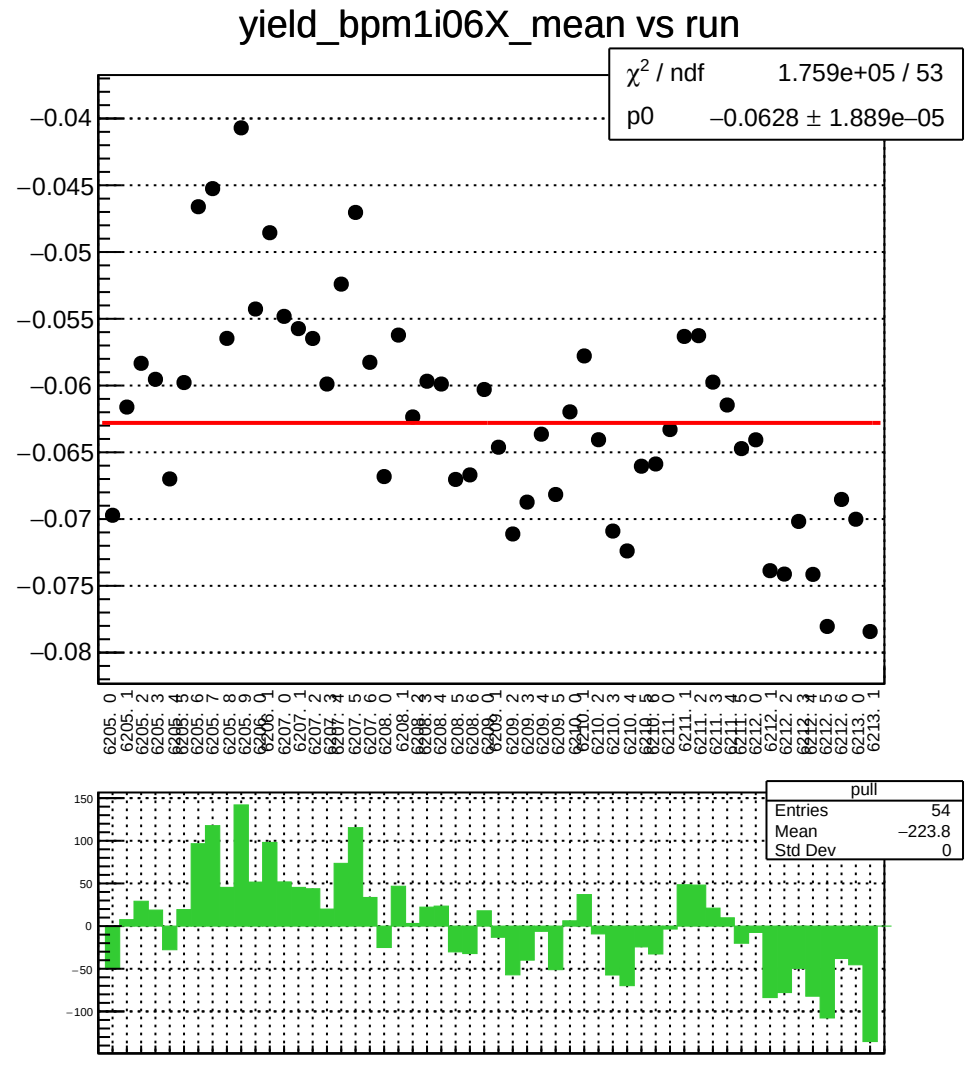

yield_bpm1i04X_mean vs run
χ² / ndf 1.181e+05 / 53
p0 1.019 ± 8.298e−06
1.024
1.022
1.02
1.018
1.016
1.014
1.012
pull
Entries 54
Mean −655.2
Std Dev 0
100
50
0
−50
−100

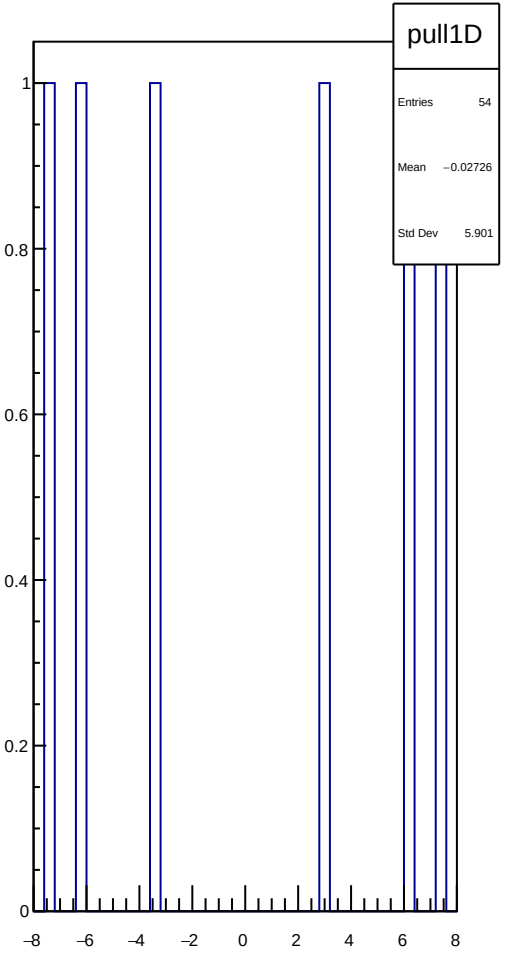

pull1D
Entries 54
Mean 3.123
Std Dev 1.7
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

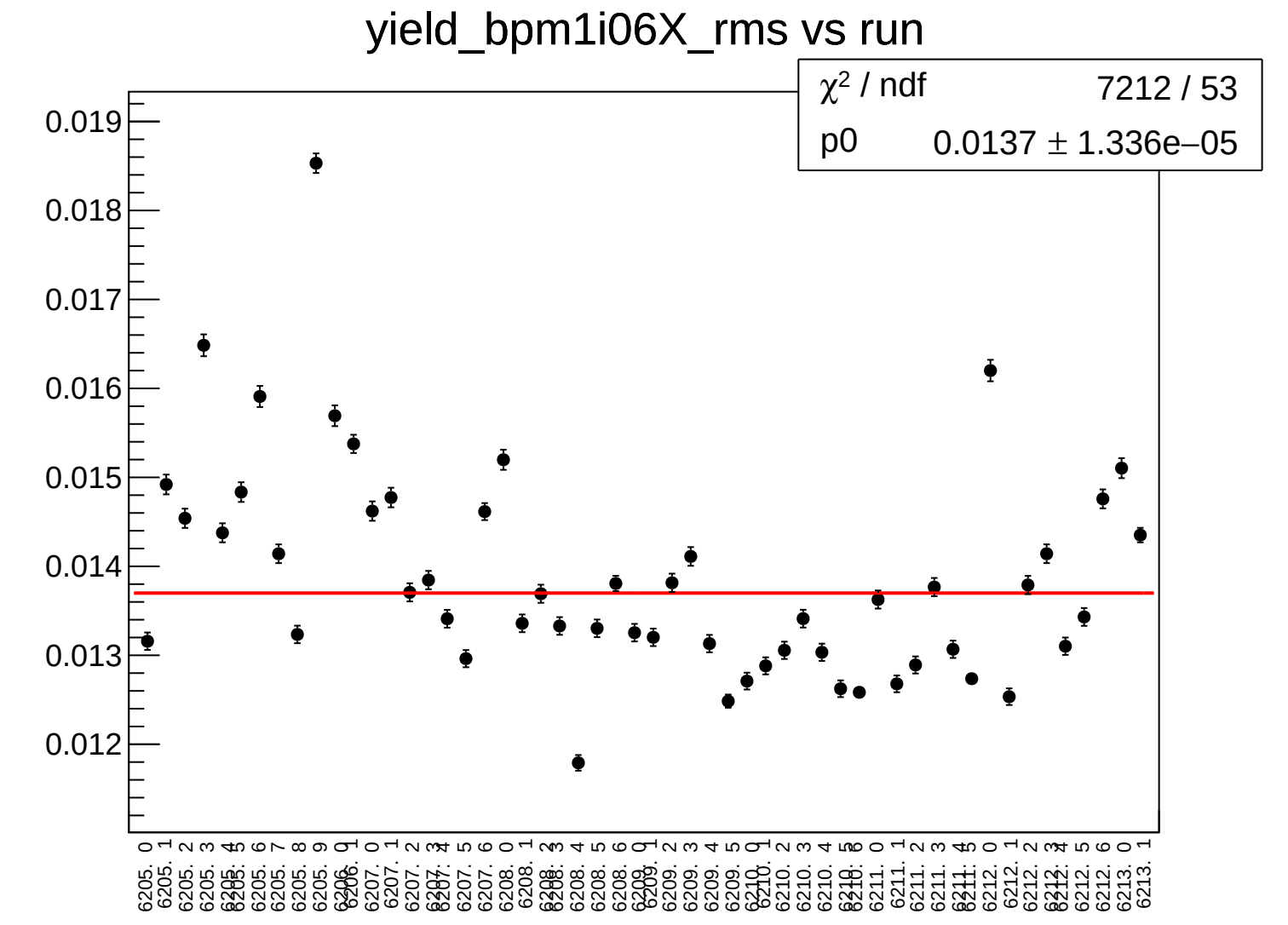

yield_bpm1i04X_rms vs run
χ² / ndf 4333 / 53
p0 0.006027 ± 5.868e−06
0.007
0.0065
0.006
0.0055
0.005

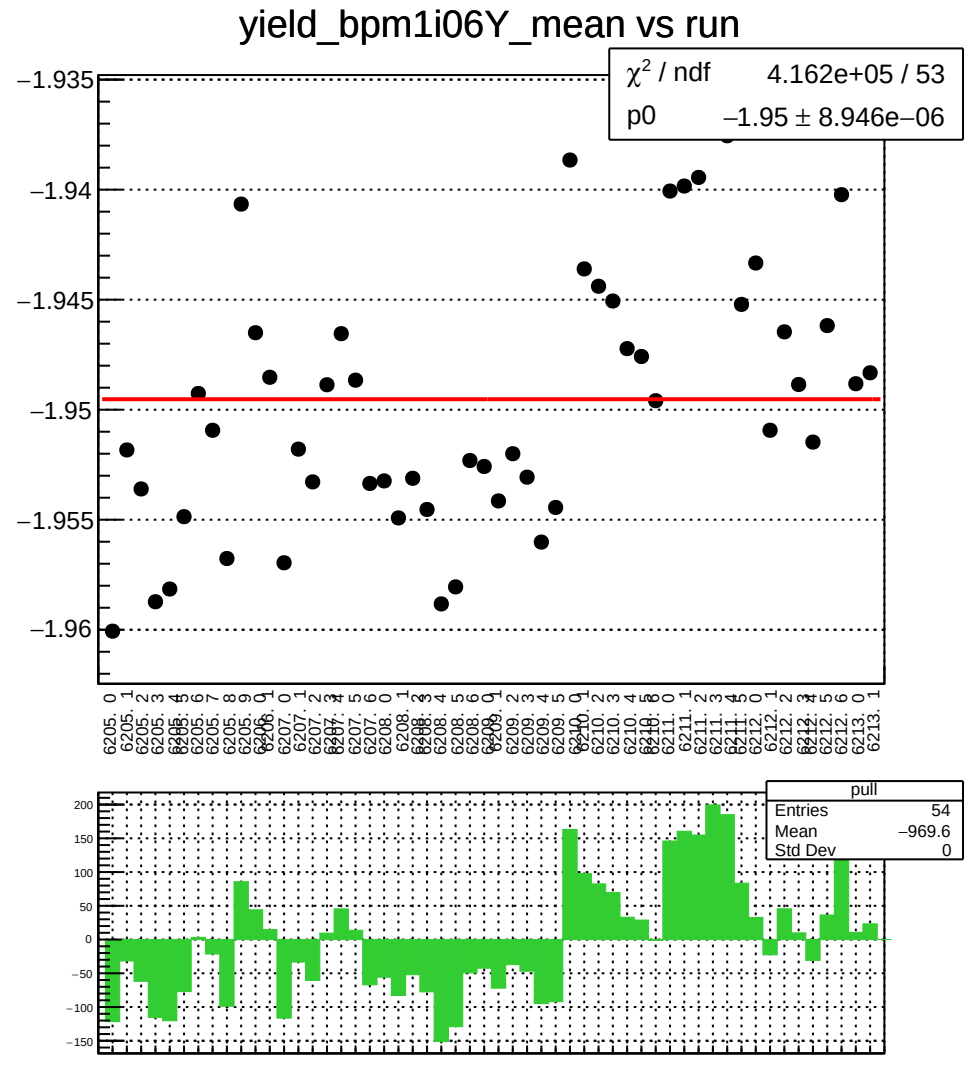

yield_bpm1i04Y_mean vs run
χ² / ndf 1.606e+05 / 53
p0 3.858 ± 8.036e−06
3.868
3.866
3.864
3.862
3.86
3.858
3.856
3.854
3.852
pull
Entries 54
Mean −108
Std Dev 0
100
50
0
−50
−100
pull1D
Entries 54
Mean 0.2368
Std Dev 5.144
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

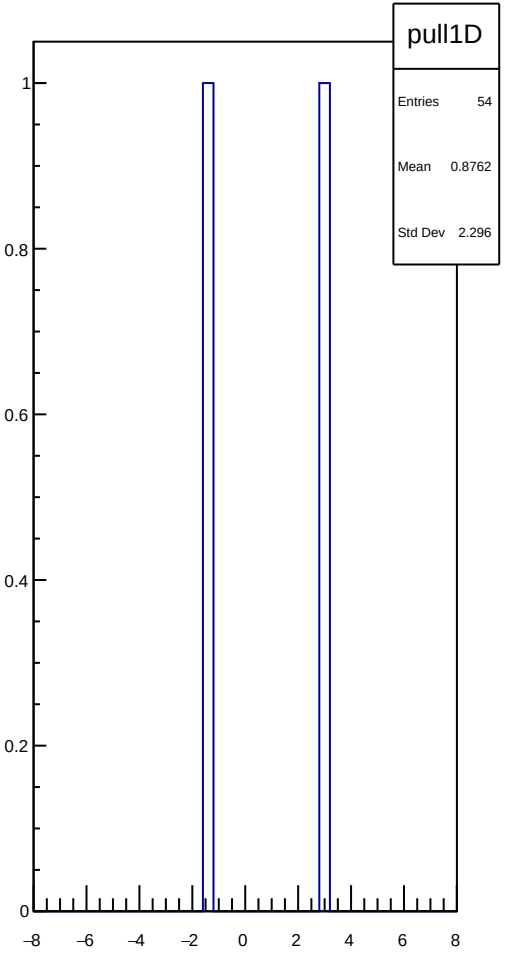

yield_bpm1i04Y_rms vs run
χ² / ndf 3794 / 53
p0 0.005838 ± 5.682e−06
0.0075
0.007
0.0065
0.006
0.0055
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

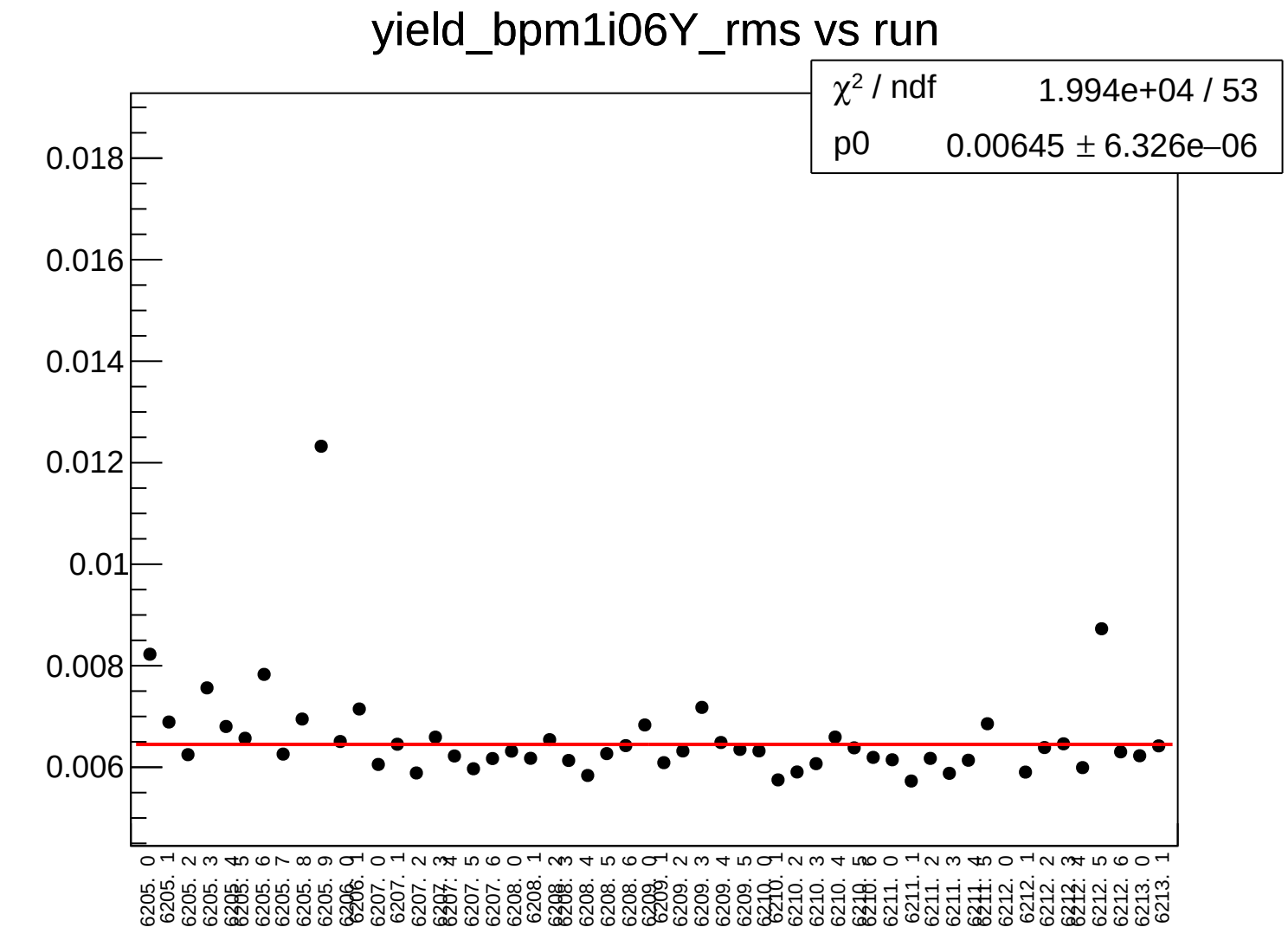

yield_bpm1i06X_mean vs run
χ² / ndf 1.759e+05 / 53
p0 −0.0628 ± 1.889e−05
pull
Entries 54
Mean −223.8
Std Dev 0

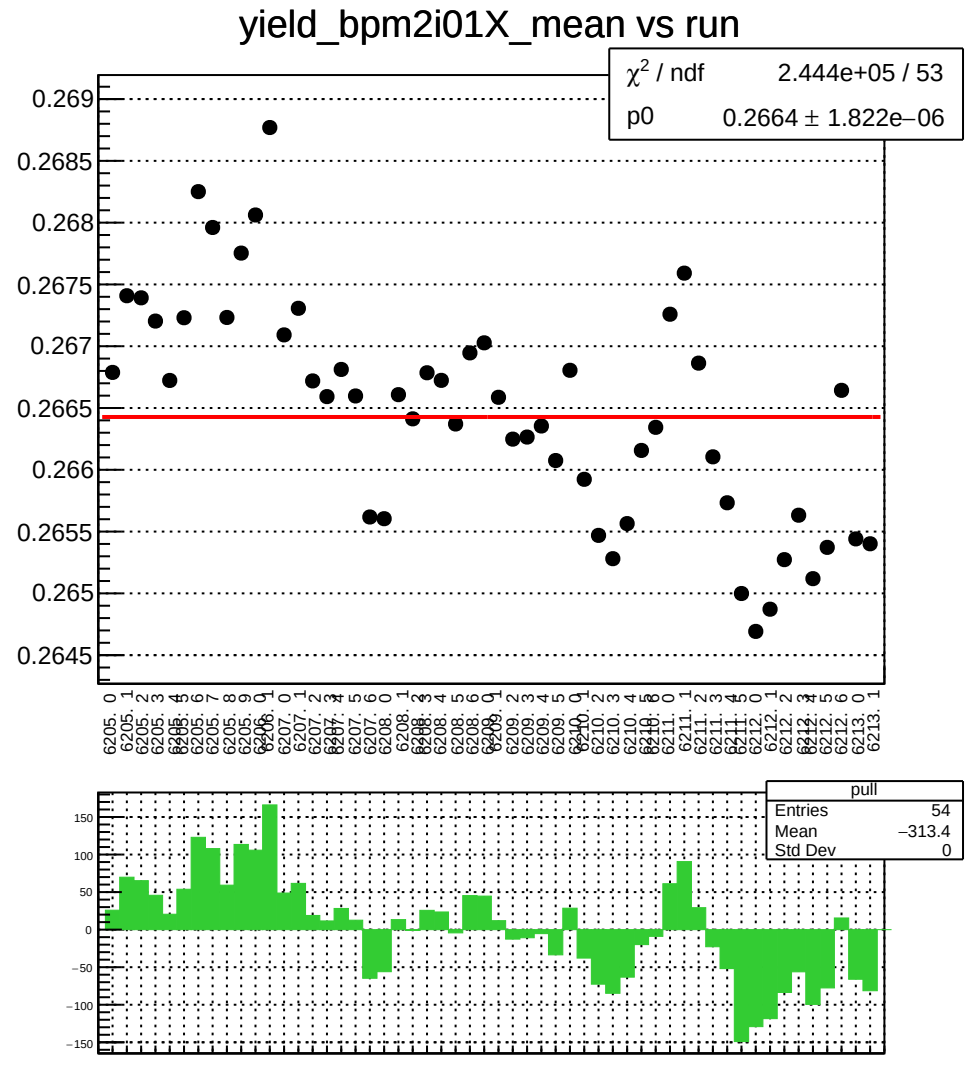

pull1D
Entries 54
Mean −0.02726
Std Dev 5.901

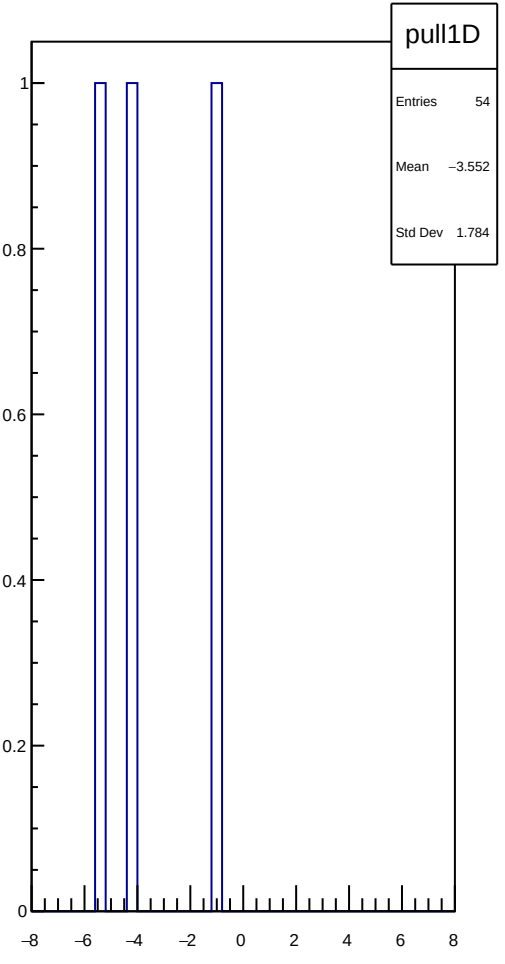

yield_bpm1i06X_rms vs run
χ² / ndf 7212 / 53
p0 0.0137 ± 1.336e−05
0.019
0.018
0.017
0.016
0.015
0.014
0.013
0.012
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

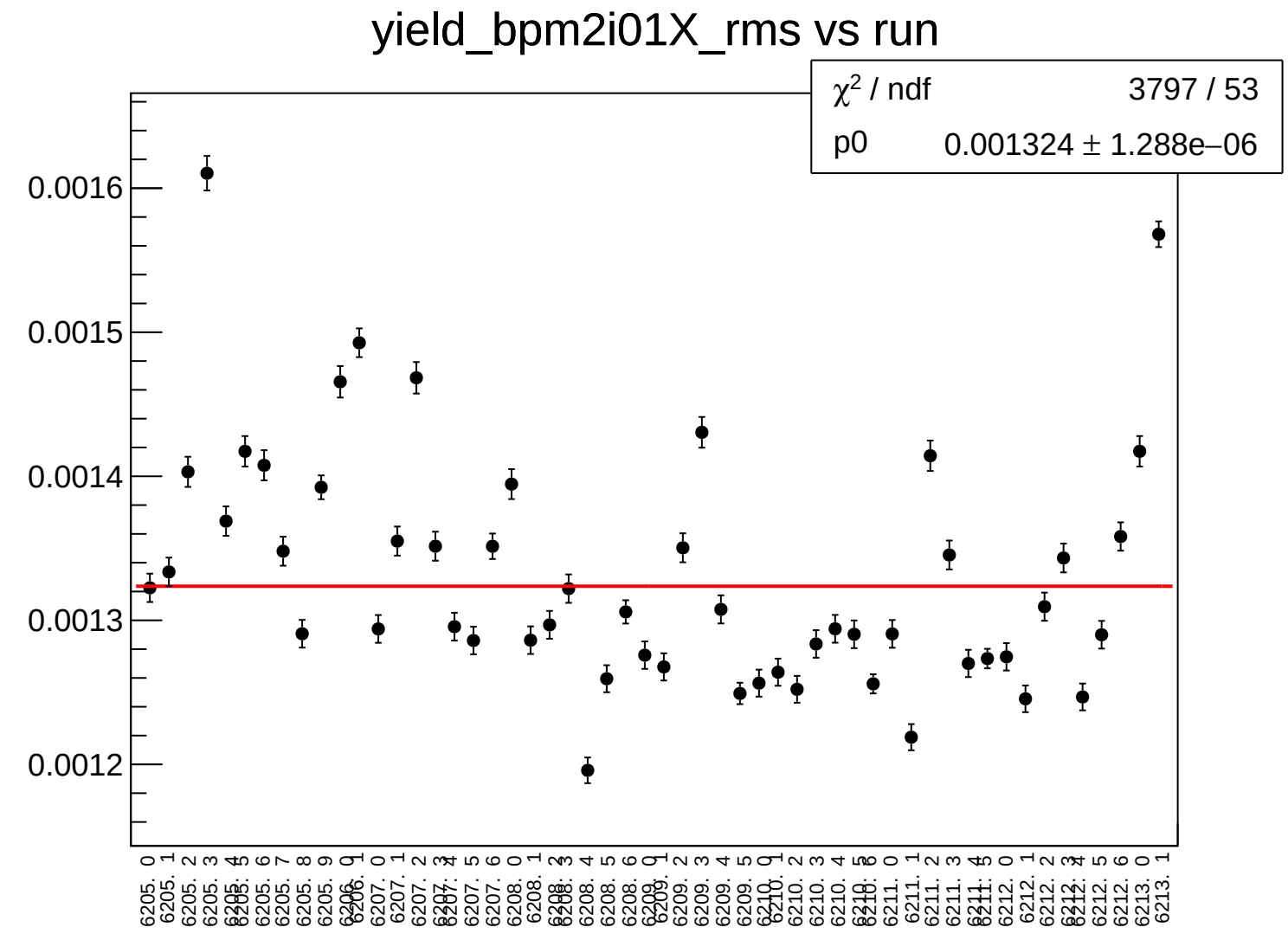

yield_bpm1i06Y_mean vs run
χ² / ndf 4.162e+05 / 53
p0 −1.95 ± 8.946e−06
−1.935
−1.94
−1.945
−1.95
−1.955
−1.96
pull
Entries 54
Mean −969.6
Std Dev 0
200
150
100
50
0
−50
−100
−150

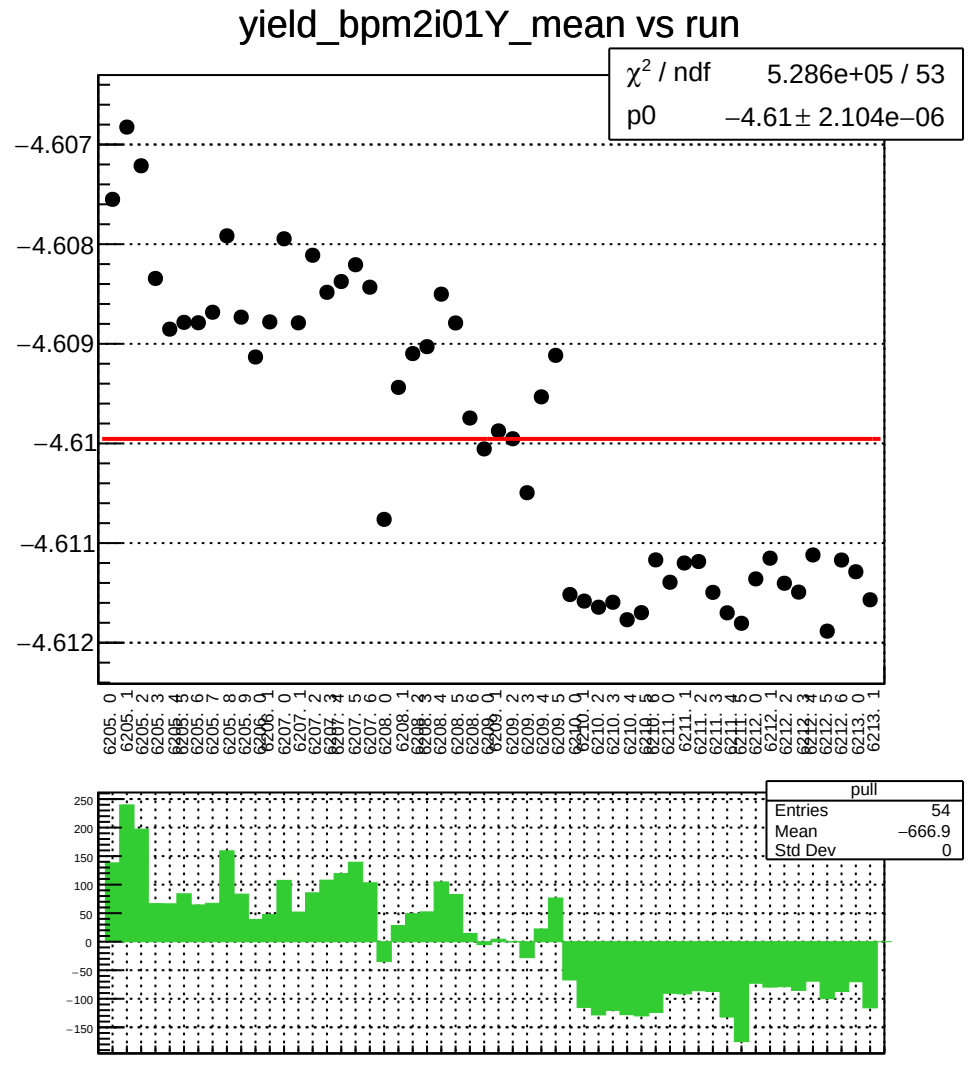

pull1D
Entries 54
Mean 0.8762
Std Dev 2.296
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

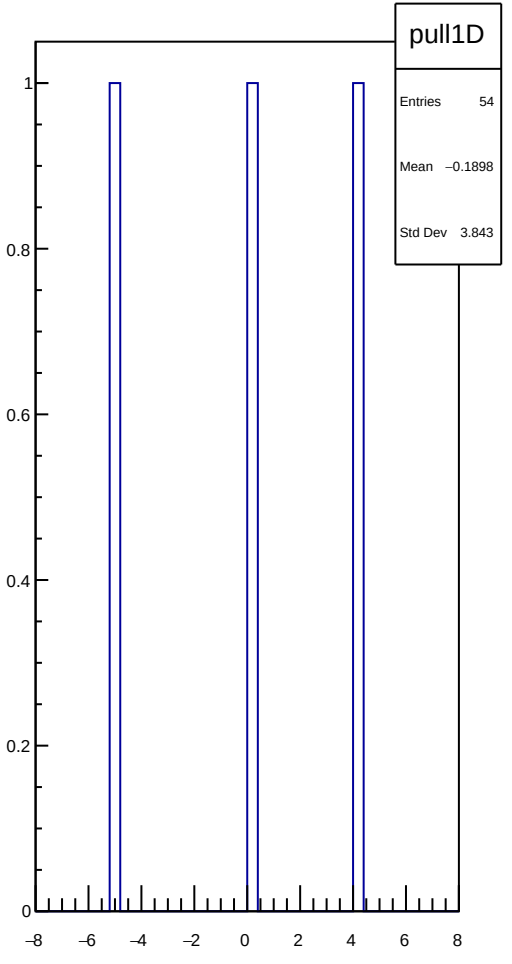

yield_bpm1i06Y_rms vs run
χ² / ndf 1.994e+04 / 53
p0 0.00645 ± 6.326e–06
0.018
0.016
0.014
0.012
0.01
0.008
0.006
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

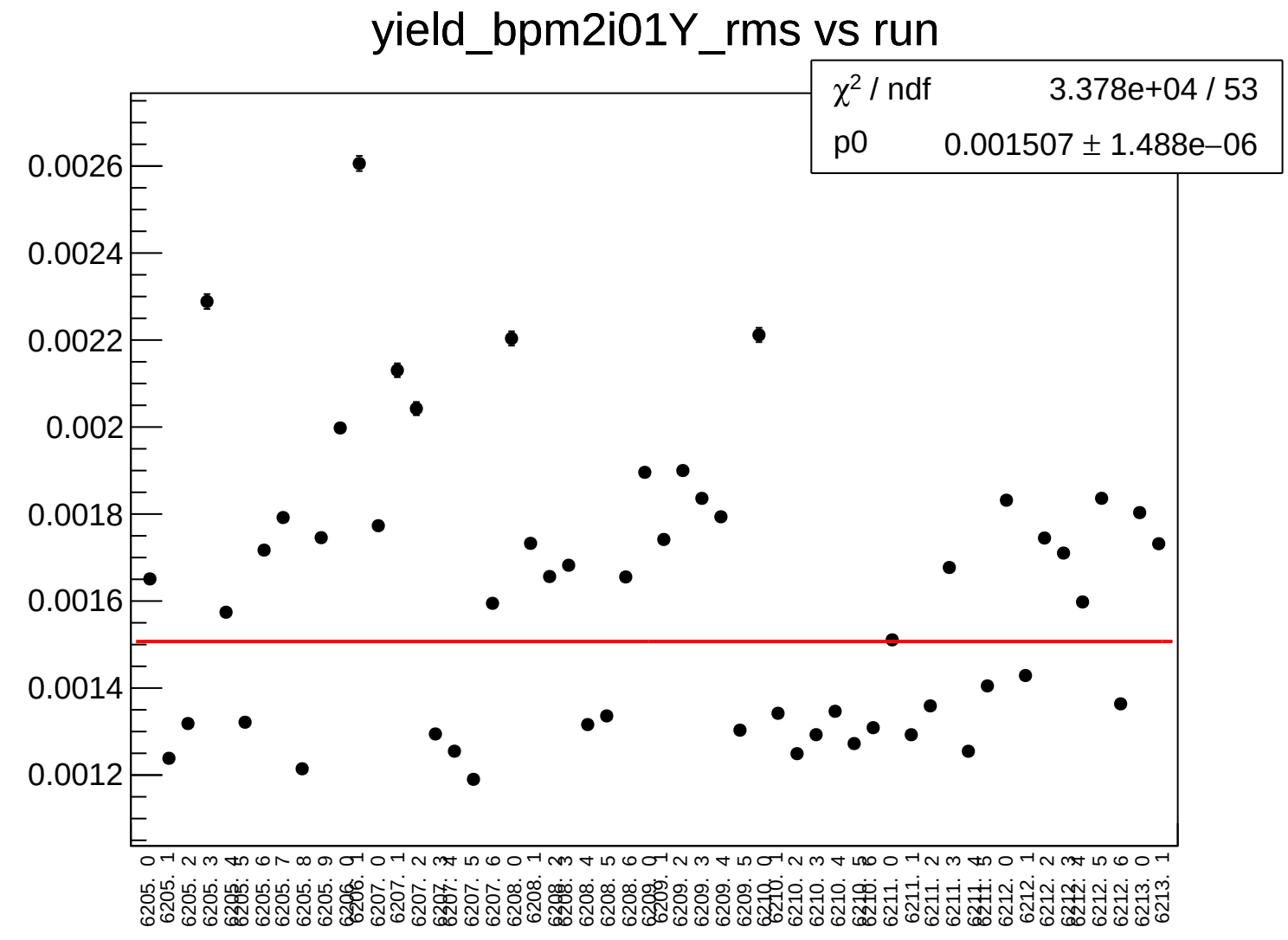

yield_bpm2i01X_mean vs run
χ² / ndf 2.444e+05 / 53
p0 0.2664 ± 1.822e−06
pull
Entries 54
Mean −313.4
Std Dev 0

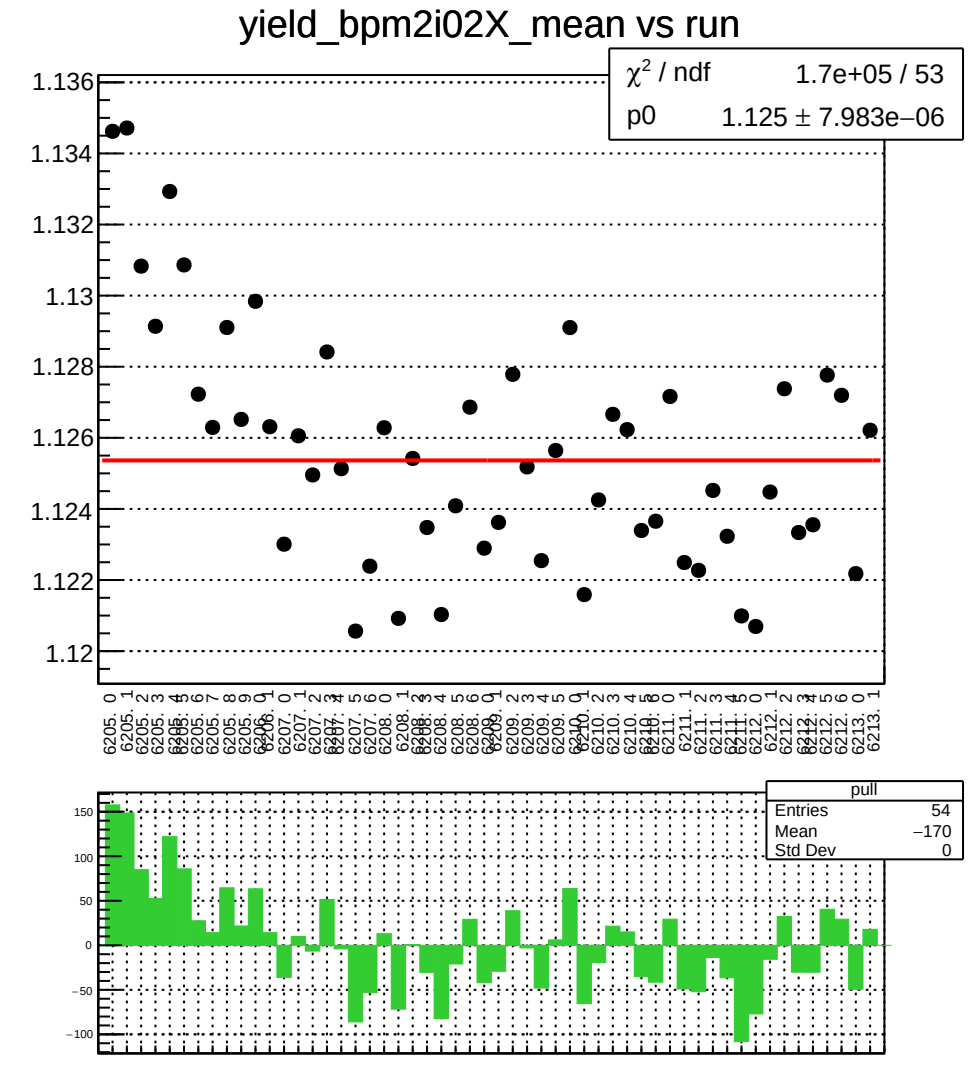

pull1D
Entries 54
Mean −3.552
Std Dev 1.784

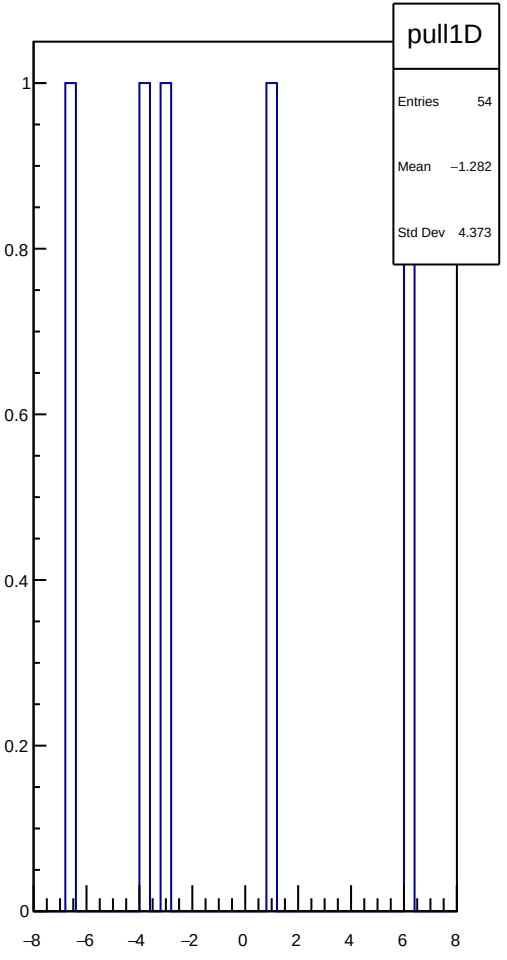

yield_bpm2i01X_rms vs run
χ² / ndf 3797 / 53
p0 0.001324 ± 1.288e−06
0.0016
0.0015
0.0014
0.0013
0.0012
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

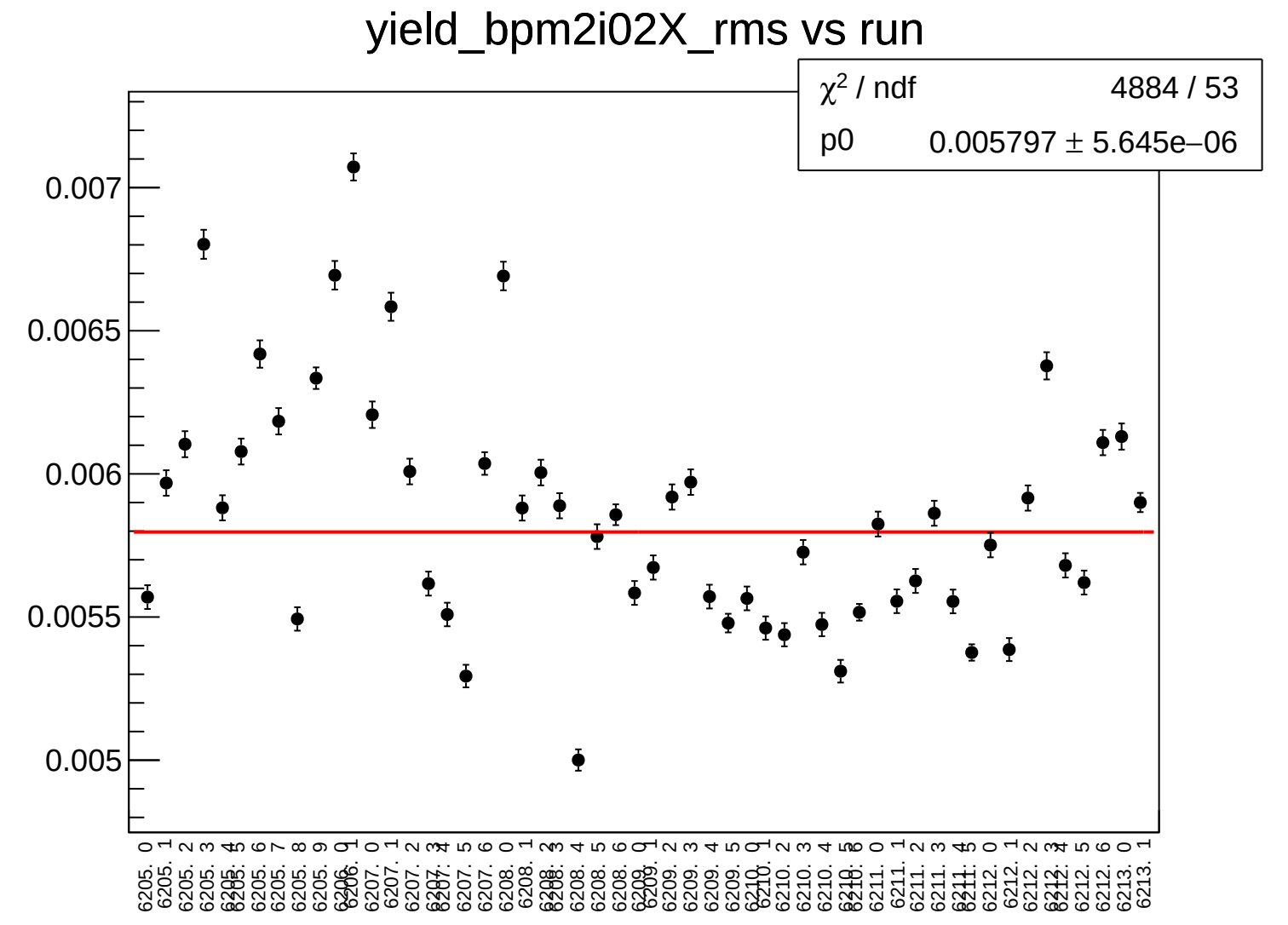

yield_bpm2i01Y_mean vs run
χ² / ndf 5.286e+05 / 53
p0 −4.61 ± 2.104e−06
−4.607
−4.608
−4.609
−4.61
−4.611
−4.612
pull
Entries 54
Mean −666.9
Std Dev 0
250
200
150
100
50
0
−50
−100
−150

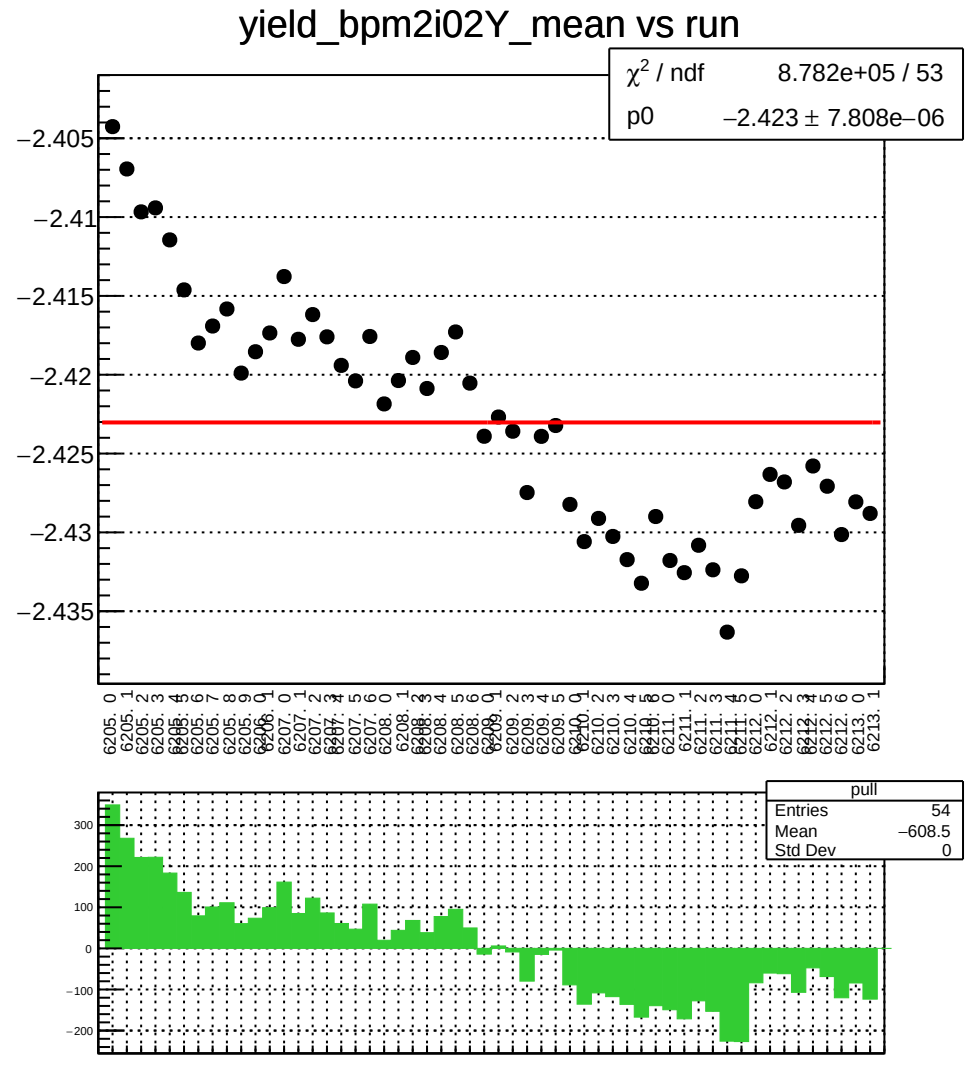

pull1D
Entries 54
Mean −0.1898
Std Dev 3.843
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

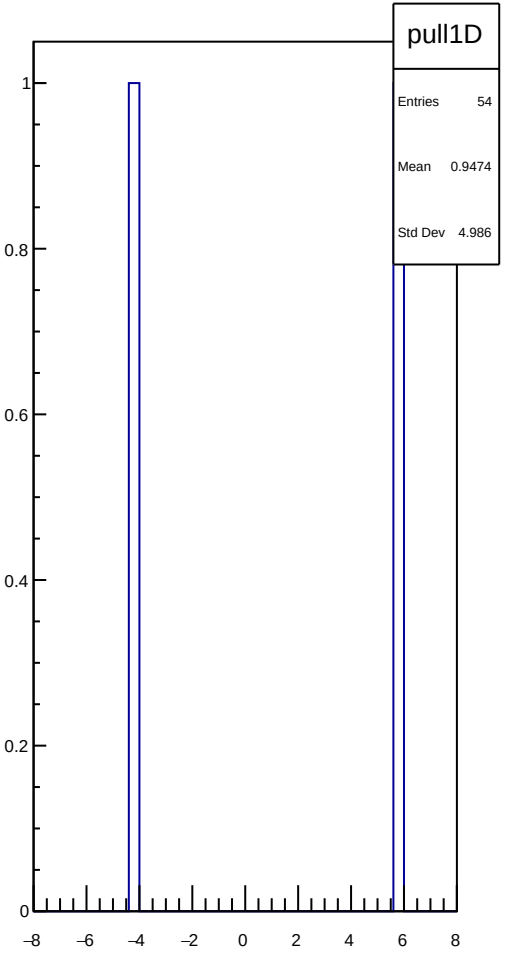

yield_bpm2i01Y_rms vs run
χ² / ndf 3.378e+04 / 53
p0 0.001507 ± 1.488e−06
0.0026
0.0024
0.0022
0.002
0.0018
0.0016
0.0014
0.0012
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 1
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 1
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

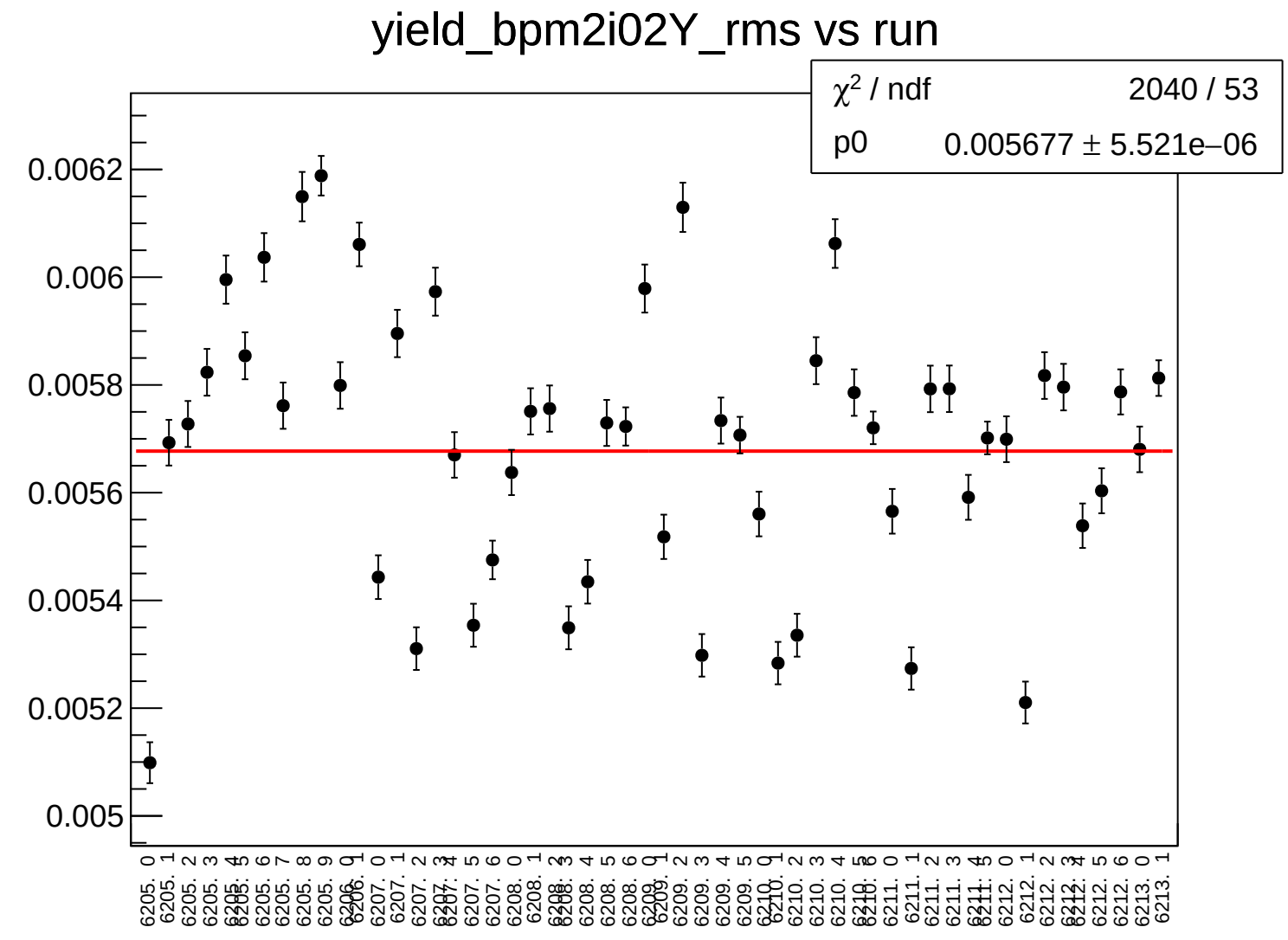

yield_bpm2i02X_mean vs run
χ² / ndf 1.7e+05 / 53
p0 1.125 ± 7.983e−06
1.136
1.134
1.132
1.13
1.128
1.126
1.124
1.122
1.12
pull
Entries 54
Mean −170
Std Dev 0
150
100
50
0
−50
−100

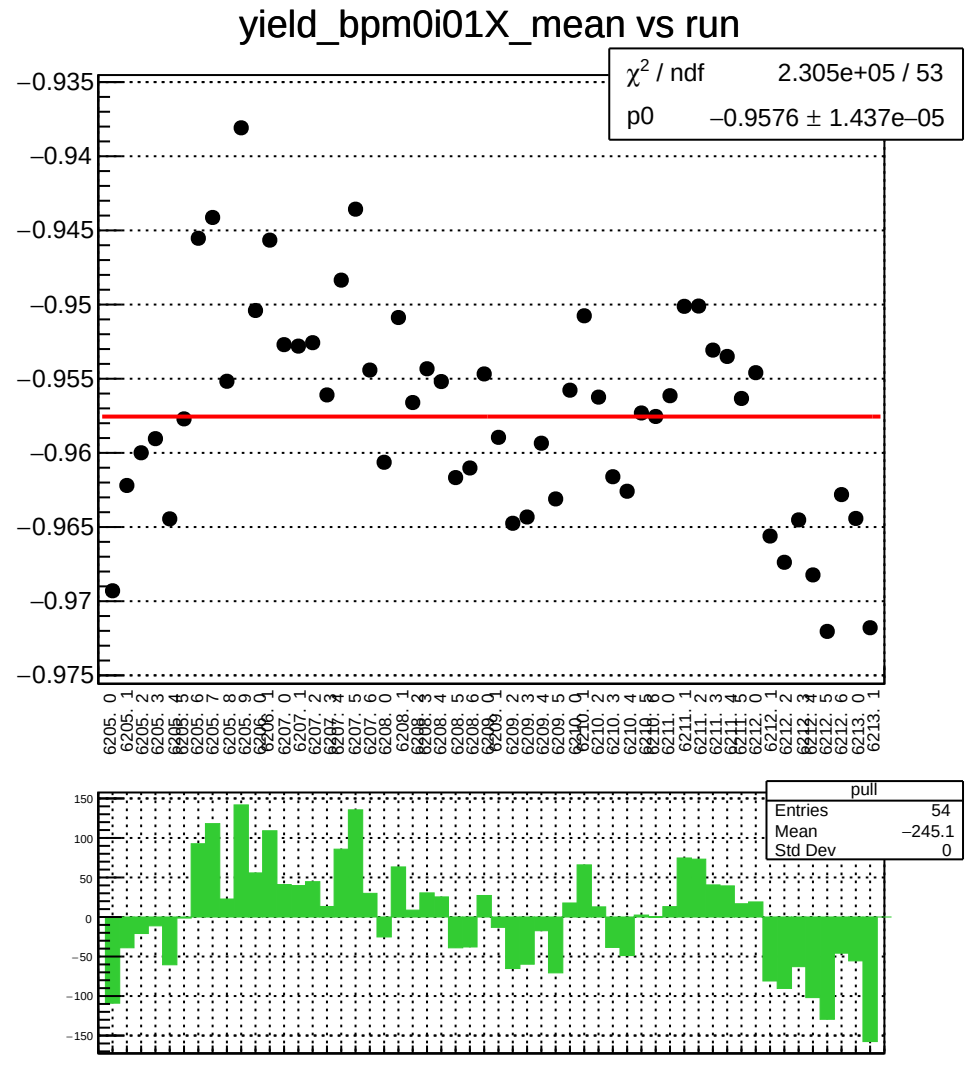

pull1D
Entries 54
Mean −1.282
Std Dev 4.373
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

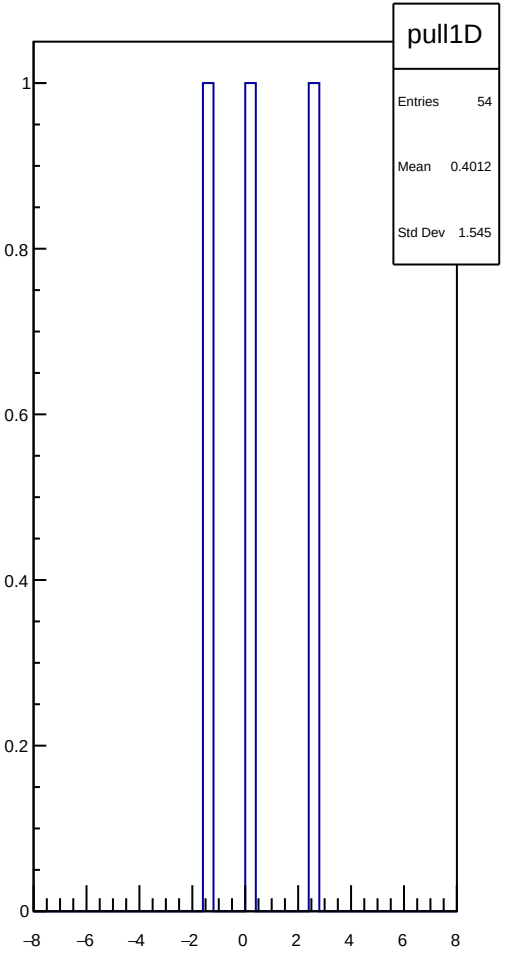

yield_bpm2i02X_rms vs run
χ² / ndf 4884 / 53
p0 0.005797 ± 5.645e−06
0.007
0.0065
0.006
0.0055
0.005
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

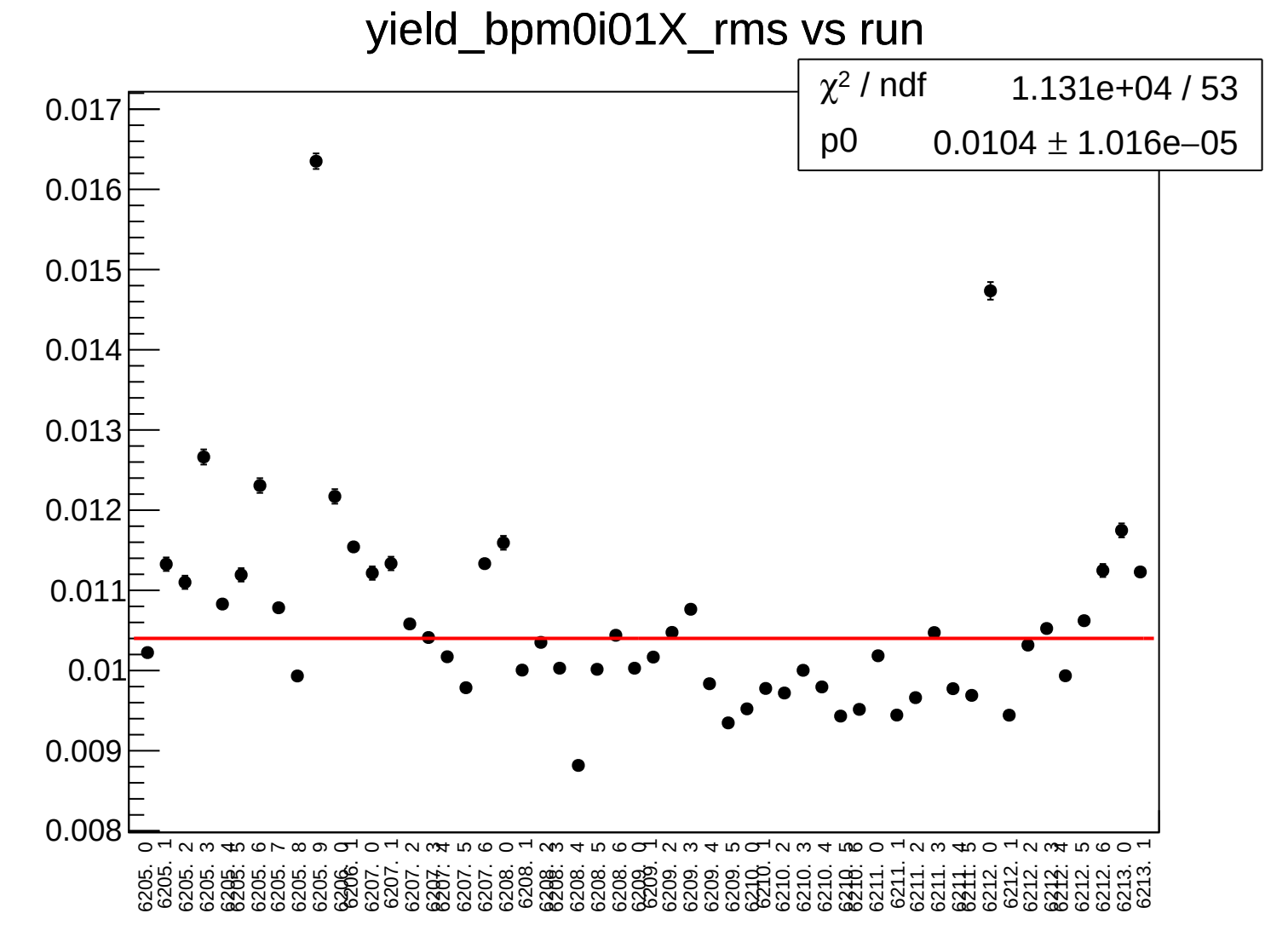

yield_bpm2i02Y_mean vs run
χ² / ndf 8.782e+05 / 53
p0 −2.423 ± 7.808e−06
−2.405
−2.41
−2.415
−2.42
−2.425
−2.43
−2.435
pull
Entries 54
Mean −608.5
Std Dev 0
300
200
100
0
−100
−200

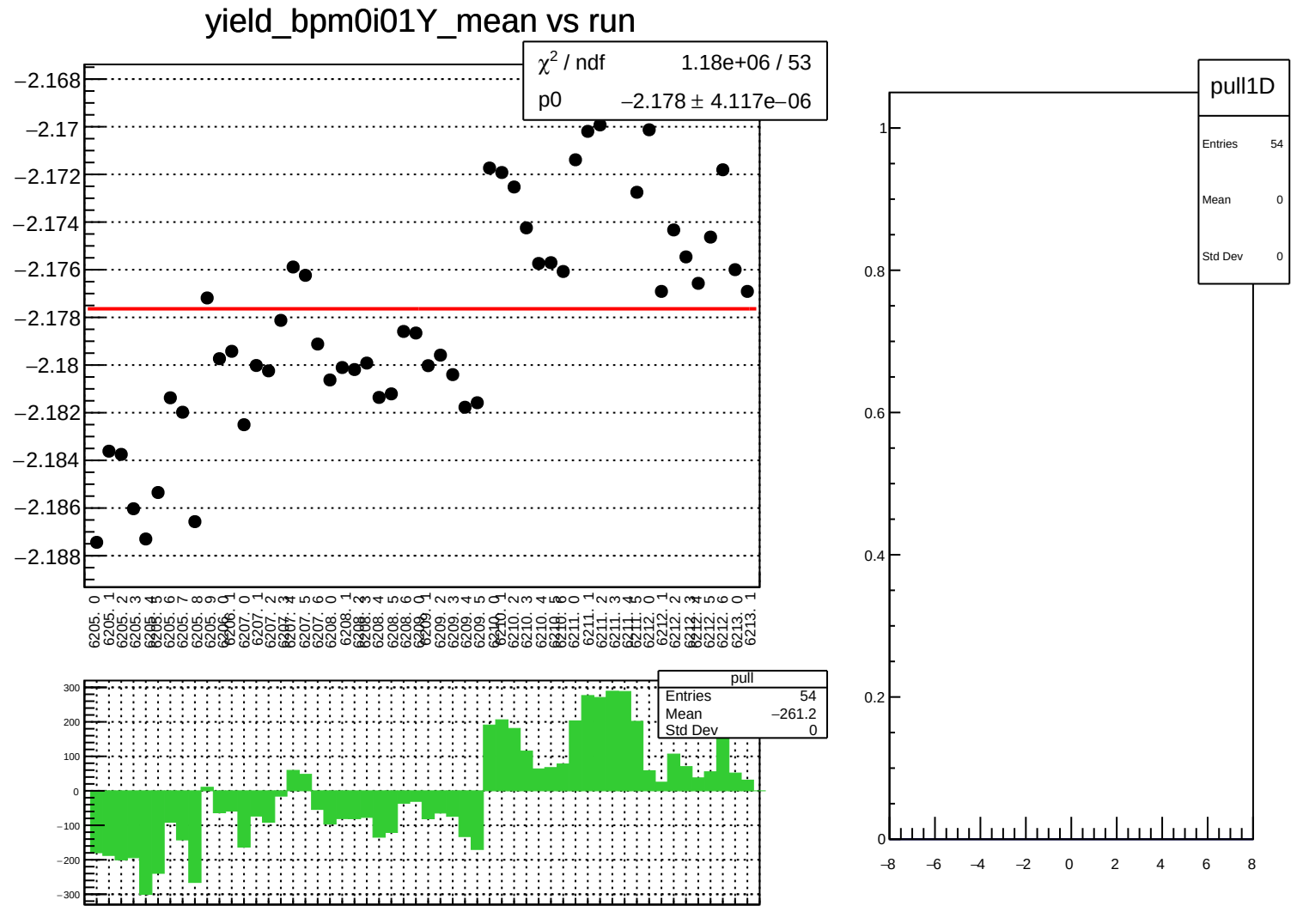

pull1D
Entries 54
Mean 0.9474
Std Dev 4.986
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

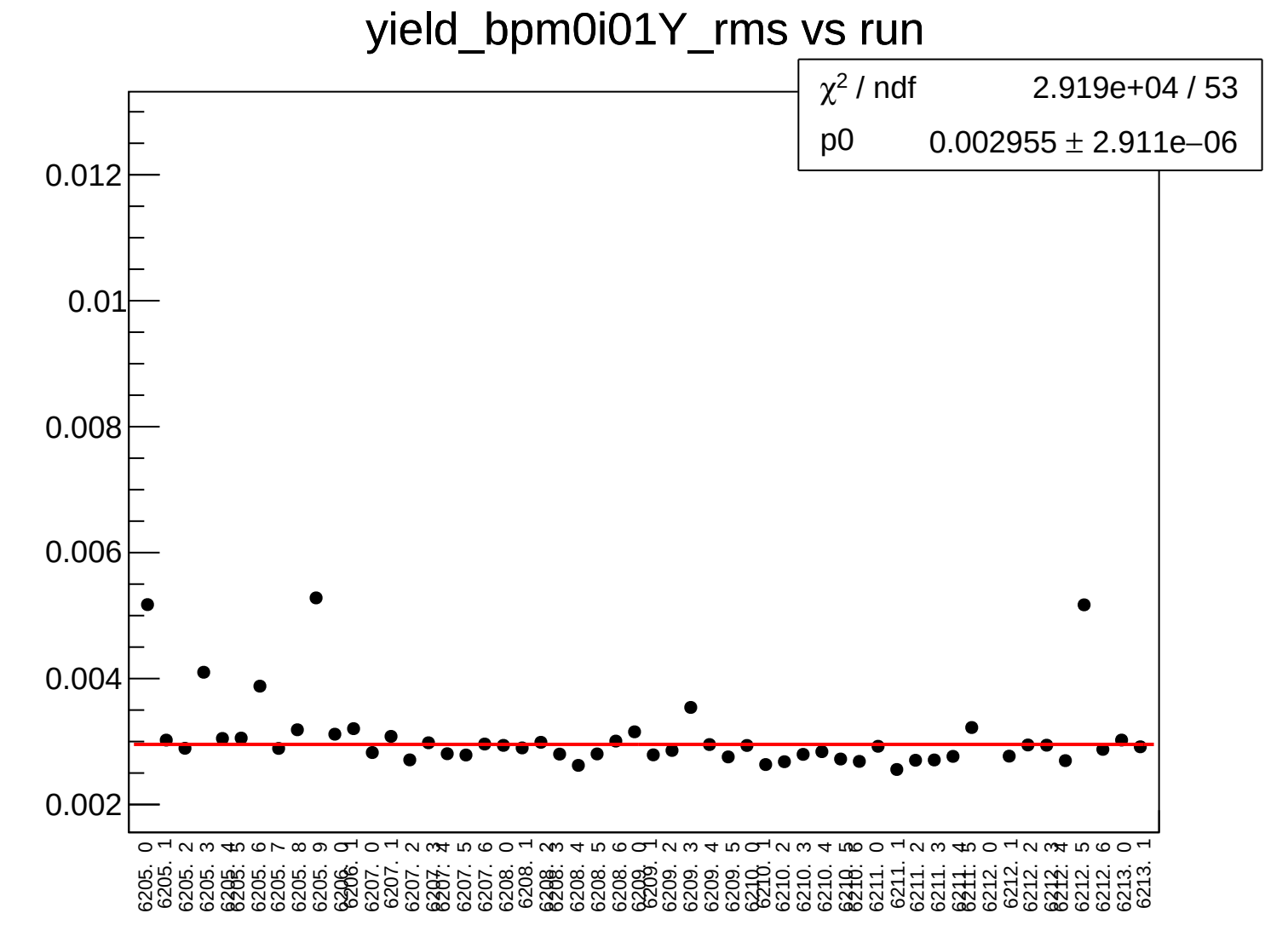

yield_bpm2i02Y_rms vs run
χ² / ndf 2040 / 53
p0 0.005677 ± 5.521e−06
0.0062
0.006
0.0058
0.0056
0.0054
0.0052
0.005
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 1
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

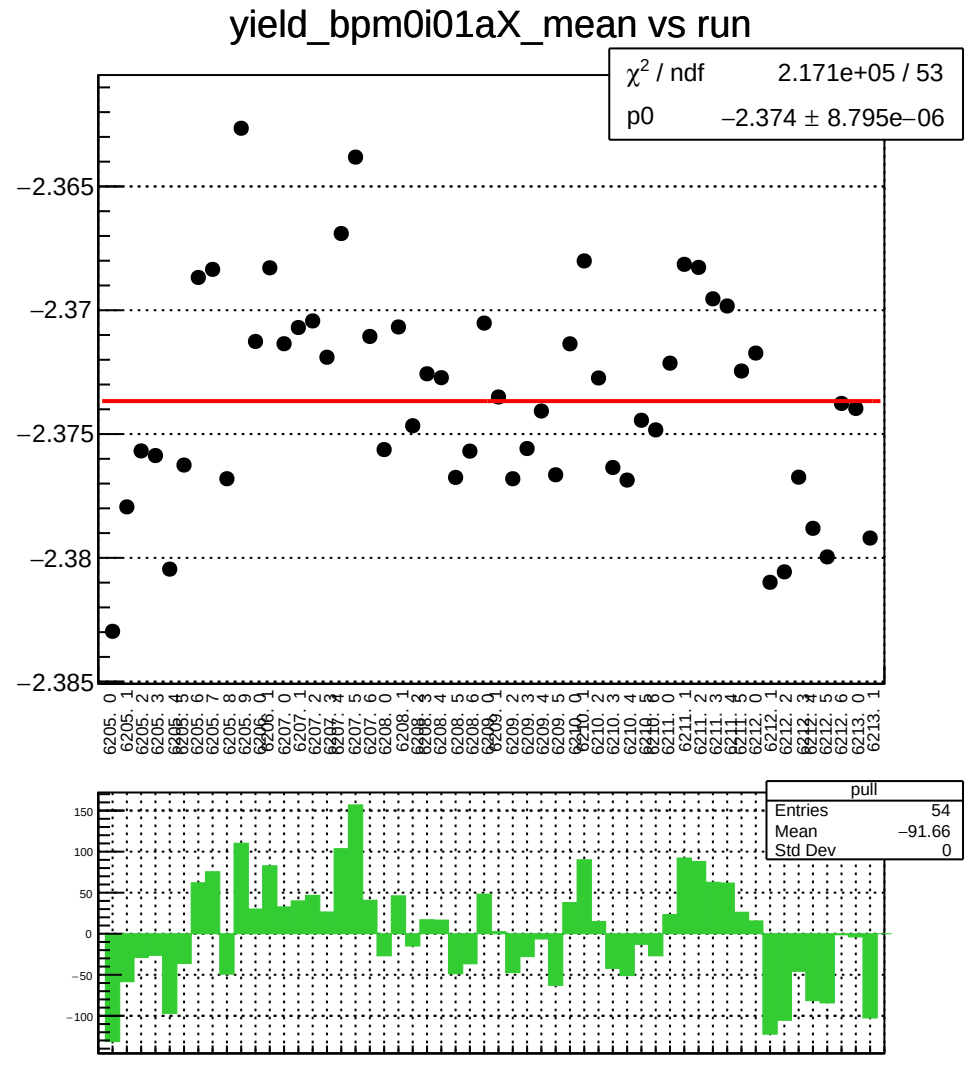

yield_bpm0i01X_mean vs run
χ² / ndf 2.305e+05 / 53
p0 −0.9576 ± 1.437e−05
−0.935
−0.94
−0.945
−0.95
−0.955
−0.96
−0.965
−0.97
−0.975
pull
Entries 54
Mean −245.1
Std Dev 0
150
100
50
0
−50
−100
−150

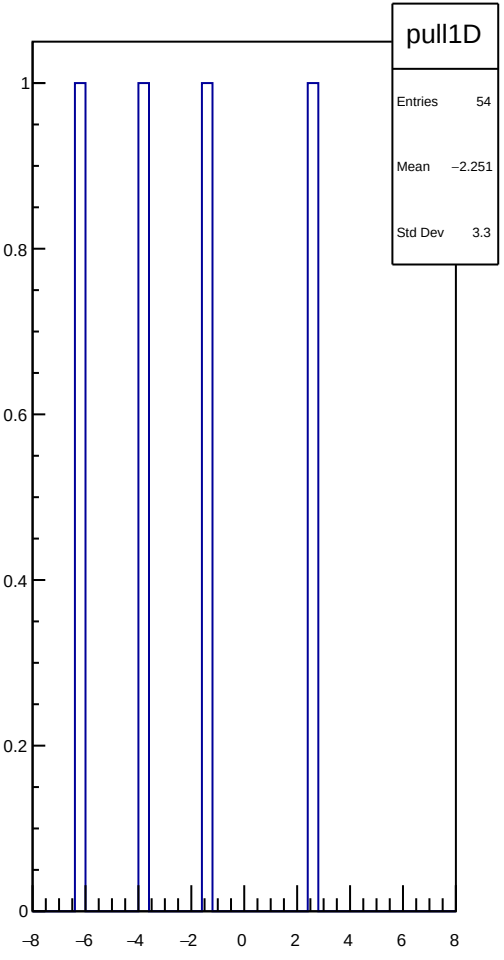

pull1D
Entries 54
Mean 0.4012
Std Dev 1.545
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

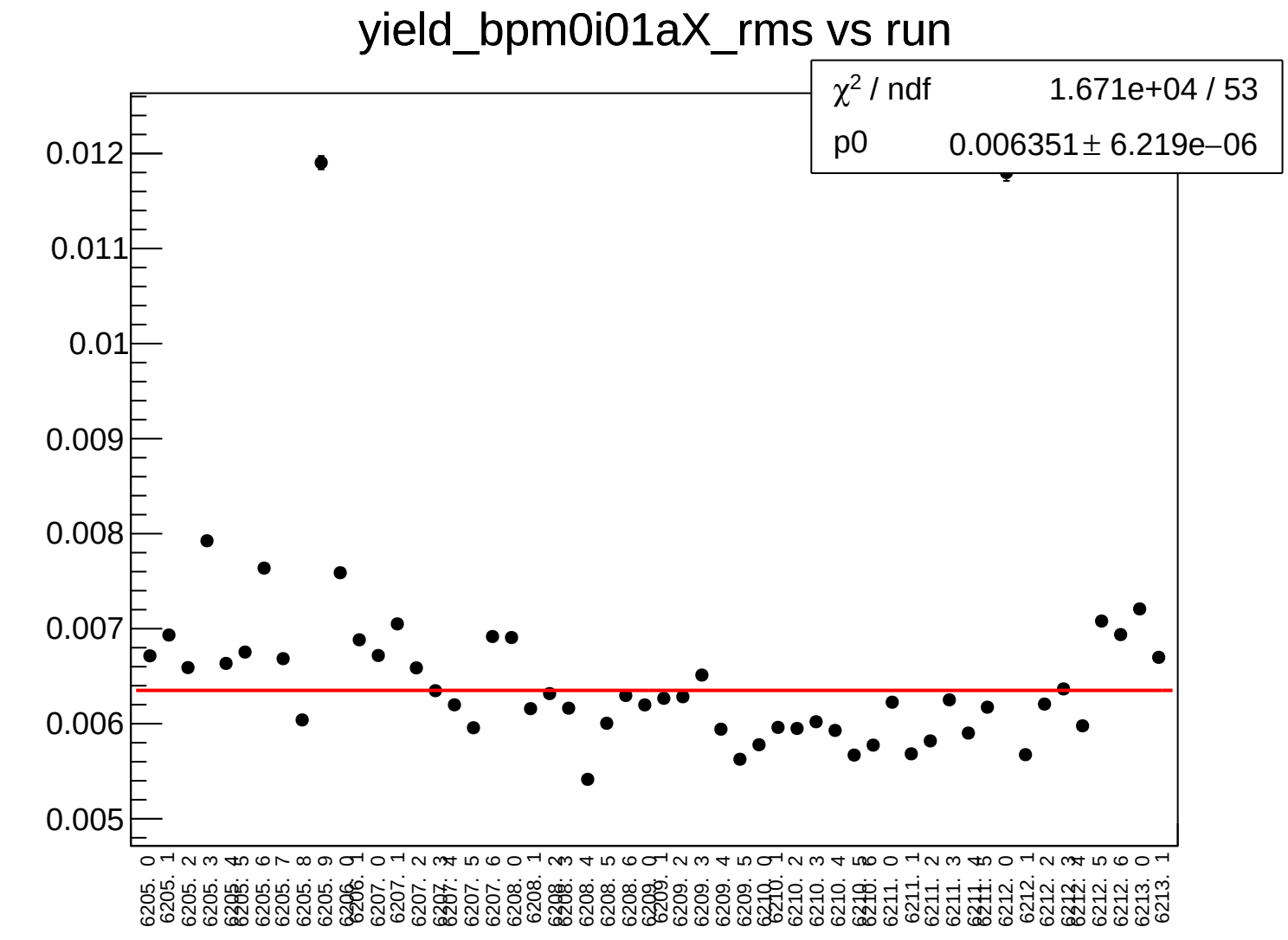

yield_bpm0i01X_rms vs run
χ² / ndf 1.131e+04 / 53
p0 0.0104 ± 1.016e−05
0.017
0.016
0.015
0.014
0.013
0.012
0.011
0.01
0.009
0.008
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

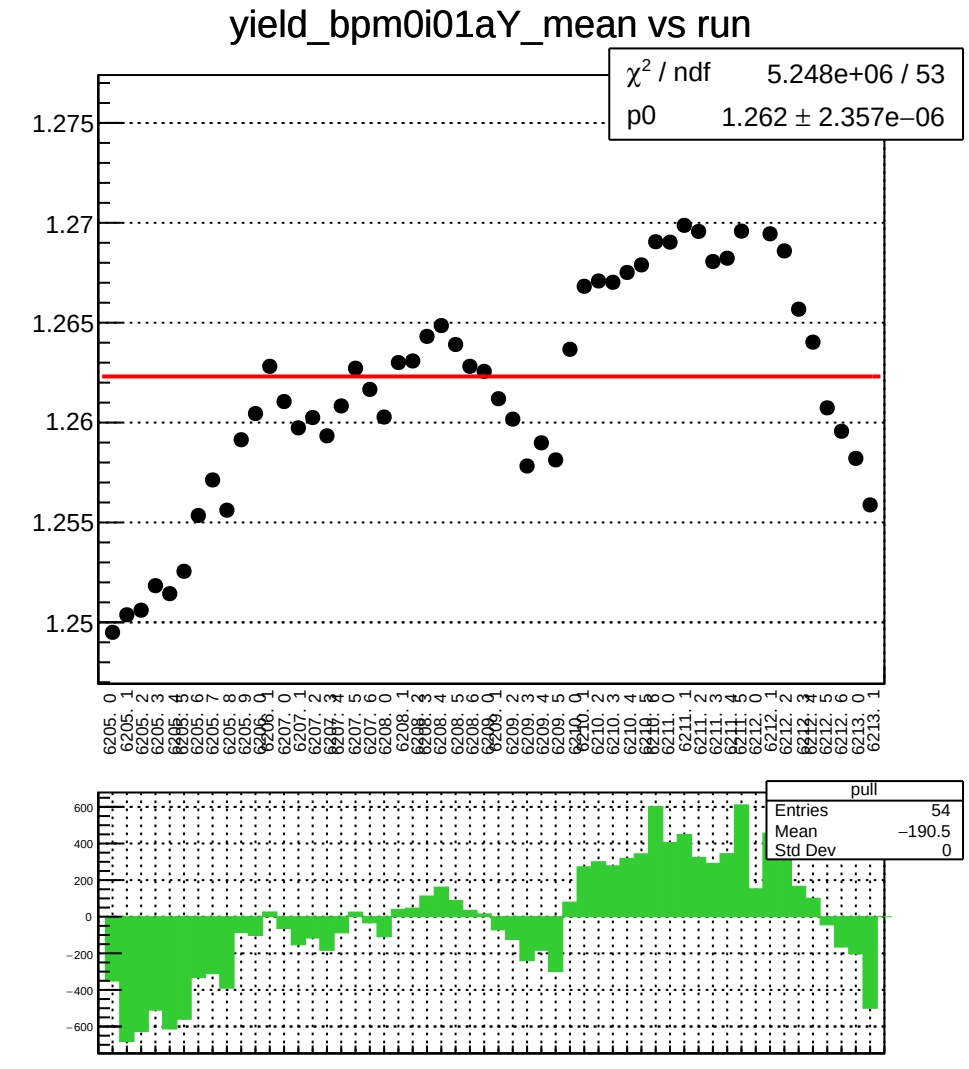

yield_bpm0i01Y_mean vs run
χ² / ndf 1.18e+06 / 53
p0 −2.178 ± 4.117e−06
−2.168
−2.17
−2.172
−2.174
−2.176
−2.178
−2.18
−2.182
−2.184
−2.186
−2.188
pull
Entries 54
Mean −261.2
Std Dev 0
300
200
100
0
−100
−200
−300
pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

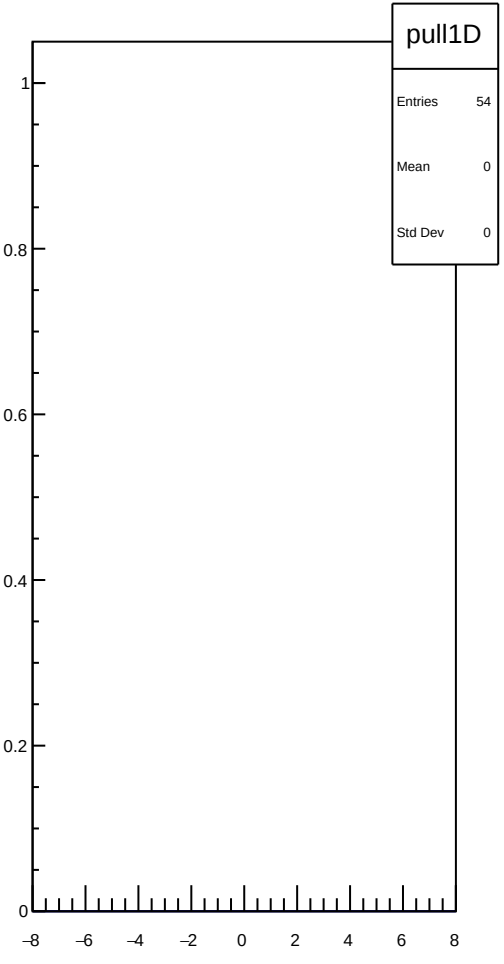

yield_bpm0i01Y_rms vs run
χ² / ndf 2.919e+04 / 53
p0 0.002955 ± 2.911e−06
0.012
0.01
0.008
0.006
0.004
0.002
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 1
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 1
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

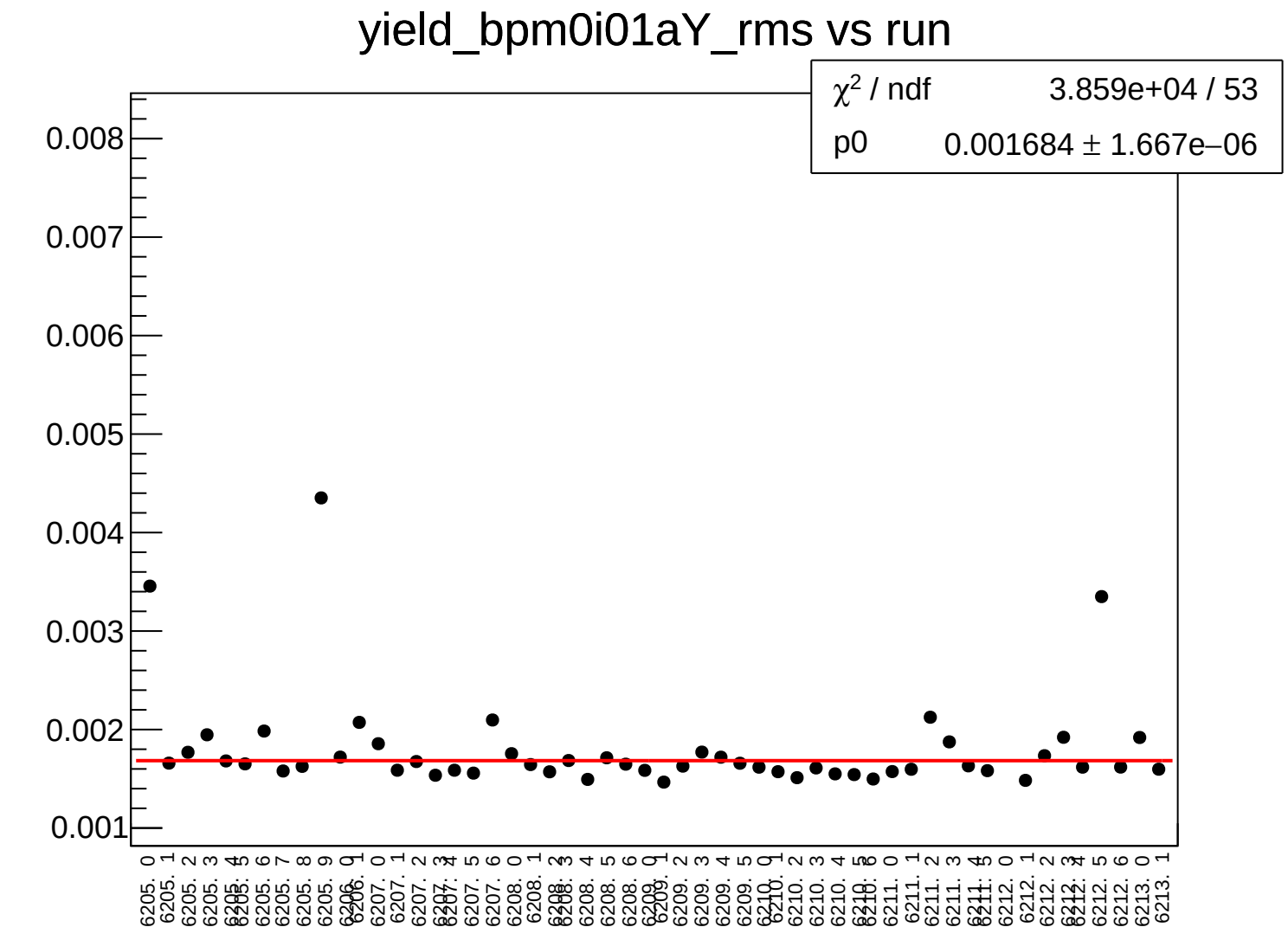

yield_bpm0i01aX_mean vs run
χ² / ndf 2.171e+05 / 53
p0 −2.374 ± 8.795e−06
−2.365
−2.37
−2.375
−2.38
−2.385
pull
Entries 54
Mean −91.66
Std Dev 0
150
100
50
0
−50
−100

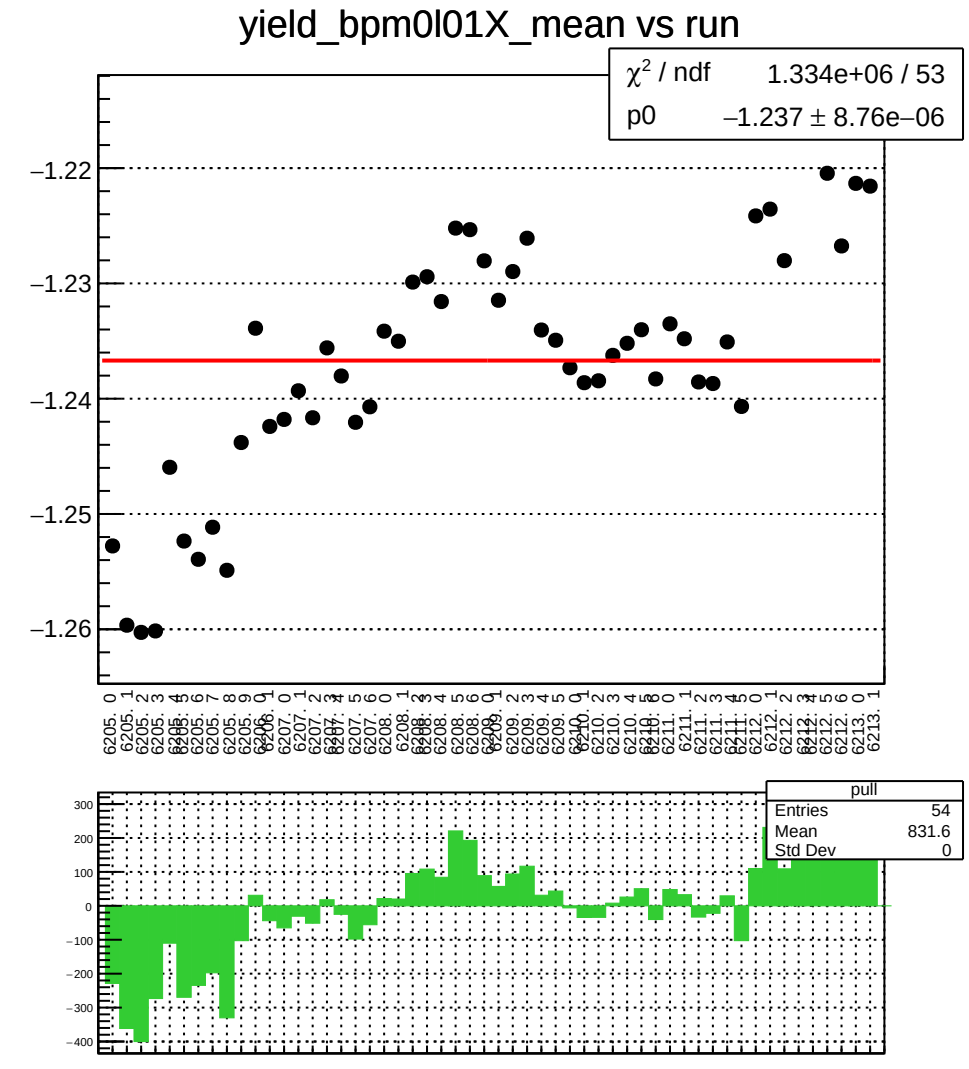

pull1D
Entries 54
Mean −2.251
Std Dev 3.3
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

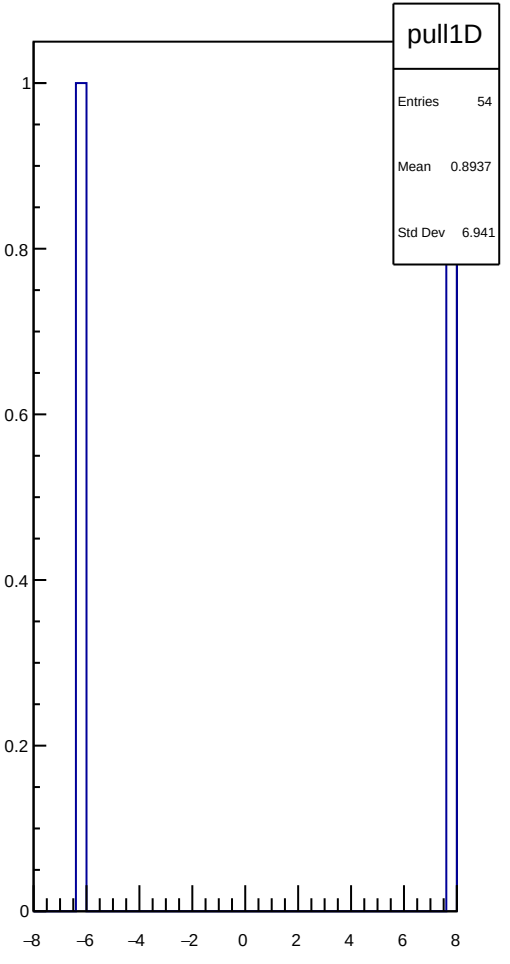

yield_bpm0i01aX_rms vs run
χ² / ndf 1.671e+04 / 53
p0 0.006351 ± 6.219e−06
0.012
0.011
0.01
0.009
0.008
0.007
0.006
0.005
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

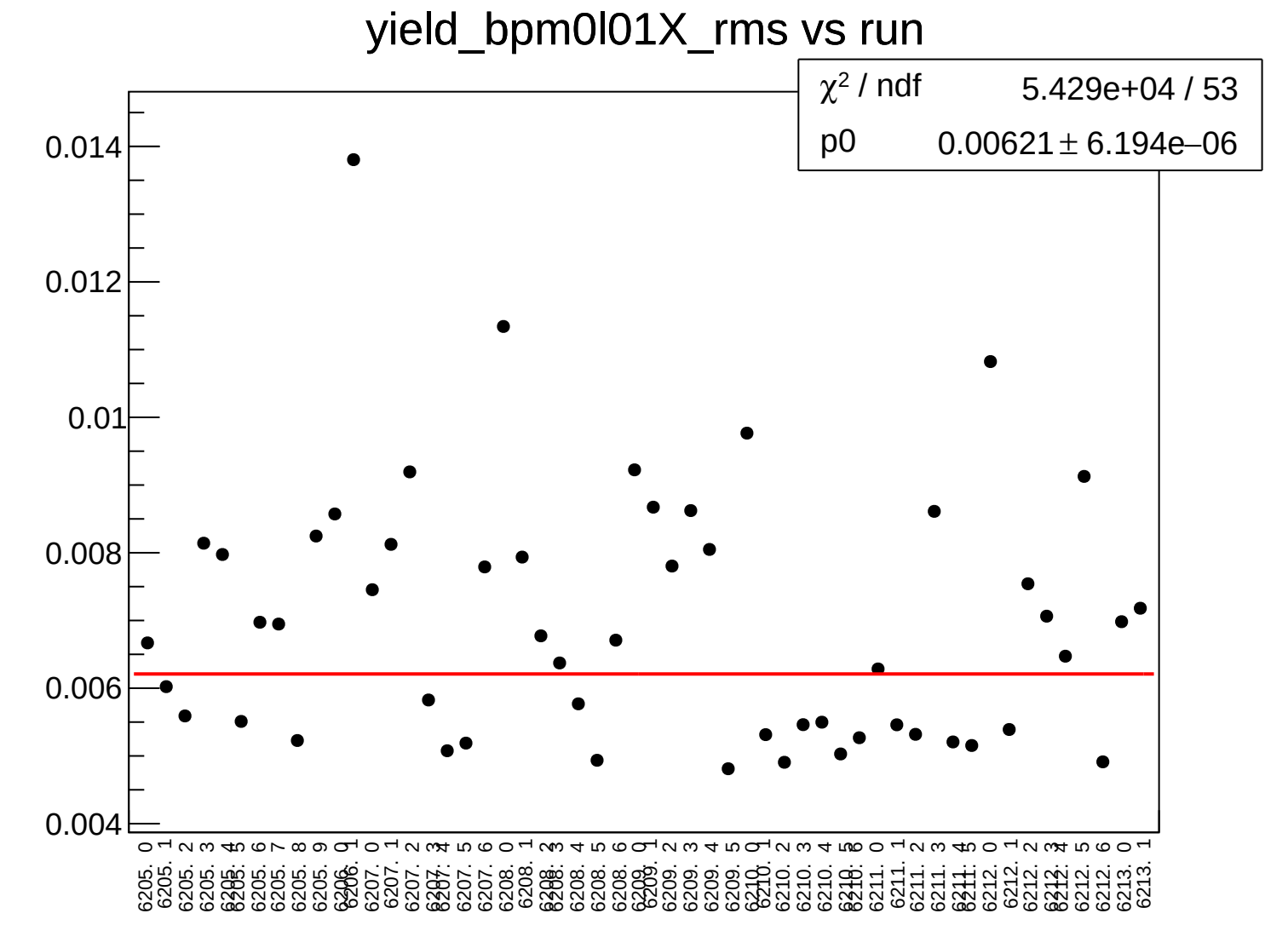

yield_bpm0i01aY_mean vs run
χ² / ndf 5.248e+06 / 53
p0 1.262 ± 2.357e−06
1.275
1.27
1.265
1.26
1.255
1.25
pull
Entries 54
Mean −190.5
Std Dev 0
600
400
200
0
−200
−400
−600

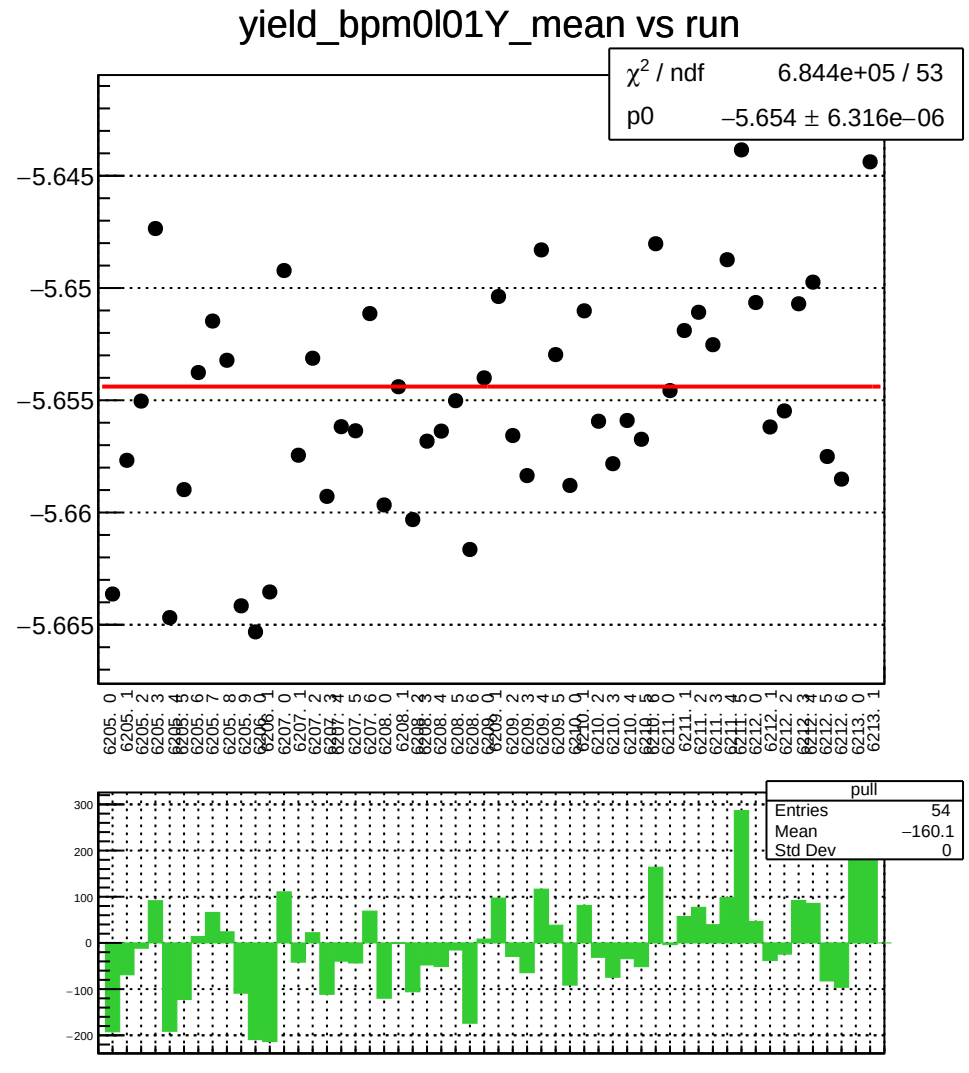

pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

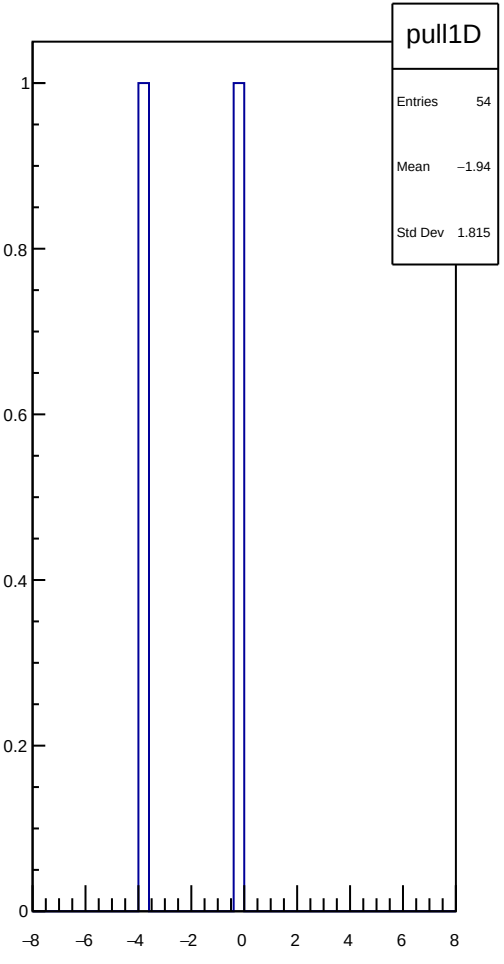

yield_bpm0i01aY_rms vs run
χ² / ndf 3.859e+04 / 53
p0 0.001684 ± 1.667e−06
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 1
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

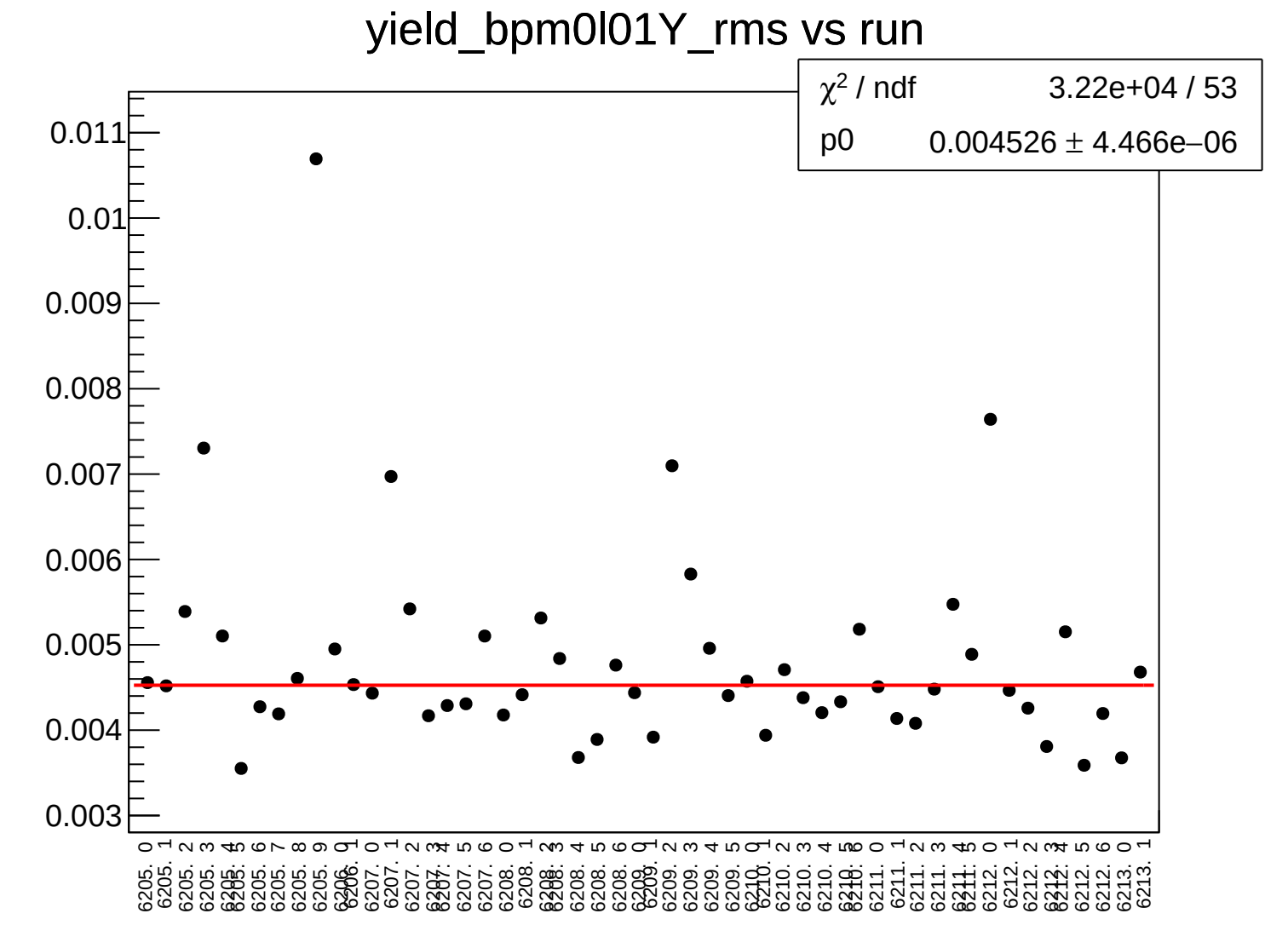

yield_bpm0l01X_mean vs run
χ² / ndf 1.334e+06 / 53
p0 −1.237 ± 8.76e−06
−1.22
−1.23
−1.24
−1.25
−1.26
pull
Entries 54
Mean 831.6
Std Dev 0
300
200
100
0
−100
−200
−300
−400

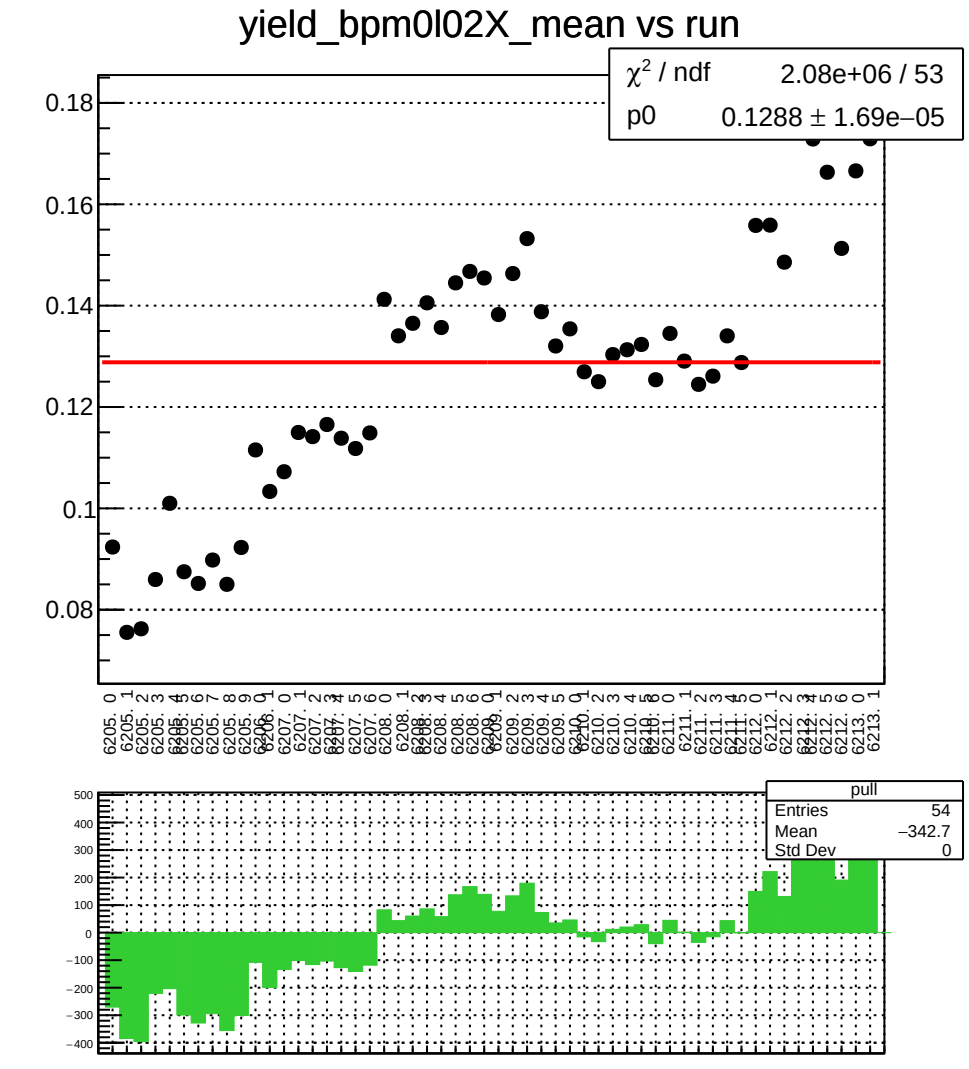

pull1D
Entries 54
Mean 0.8937
Std Dev 6.941
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

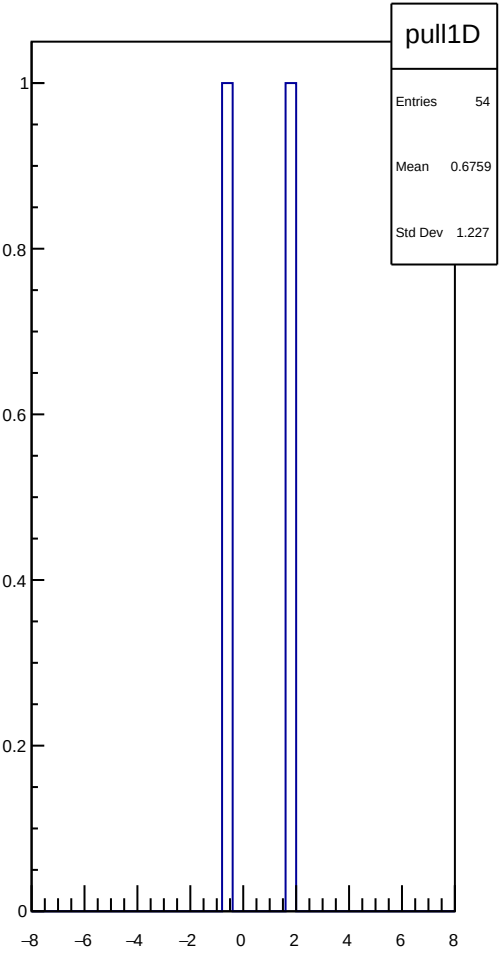

yield_bpm0l01X_rms vs run
χ² / ndf 5.429e+04 / 53
p0 0.00621 ± 6.194e–06
0.014
0.012
0.01
0.008
0.006
0.004
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

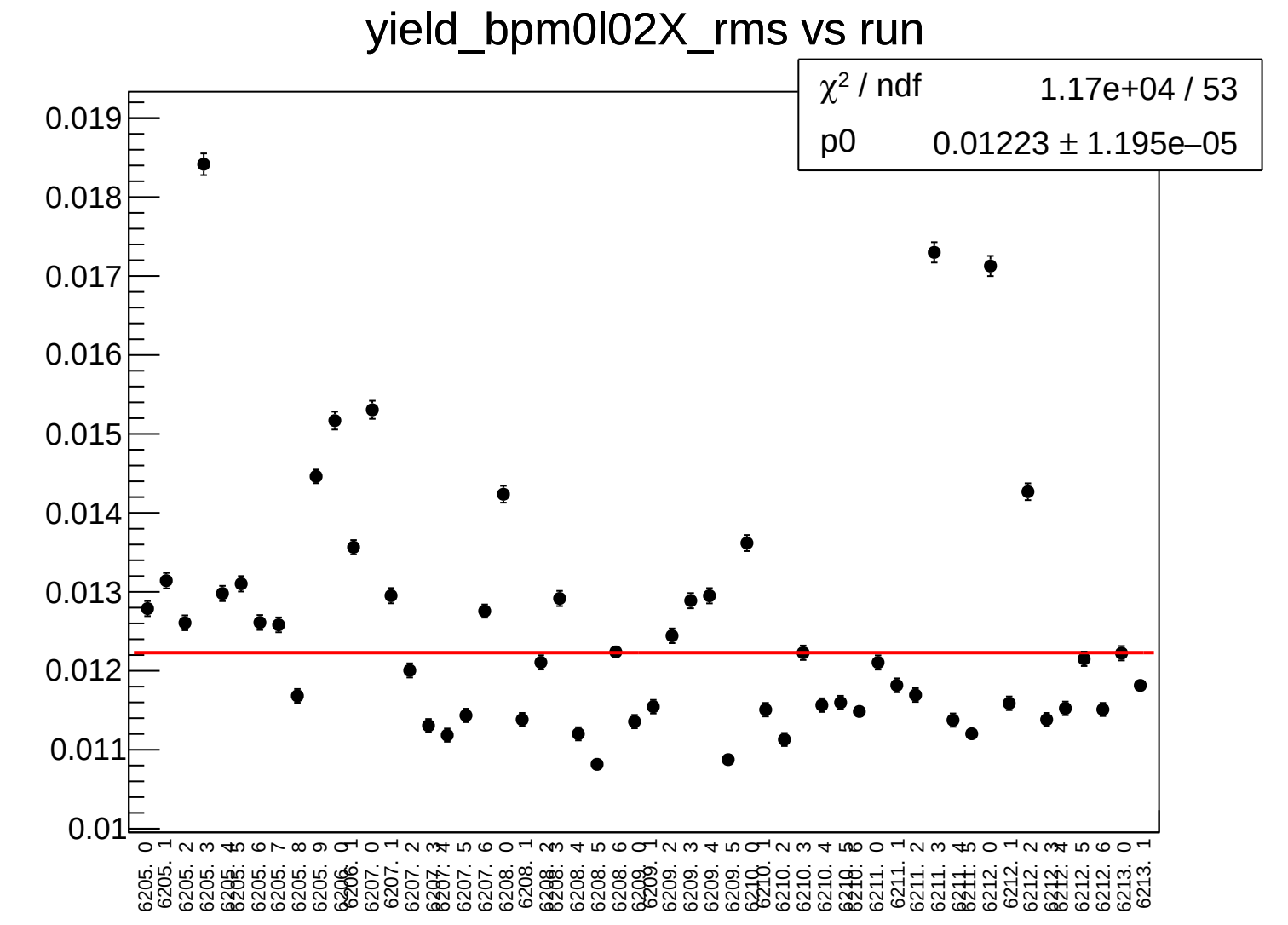

yield_bpm0l01Y_mean vs run
χ² / ndf 6.844e+05 / 53
p0 −5.654 ± 6.316e−06
−5.645
−5.65
−5.655
−5.66
−5.665
pull
Entries 54
Mean −160.1
Std Dev 0
300
200
100
0
−100
−200

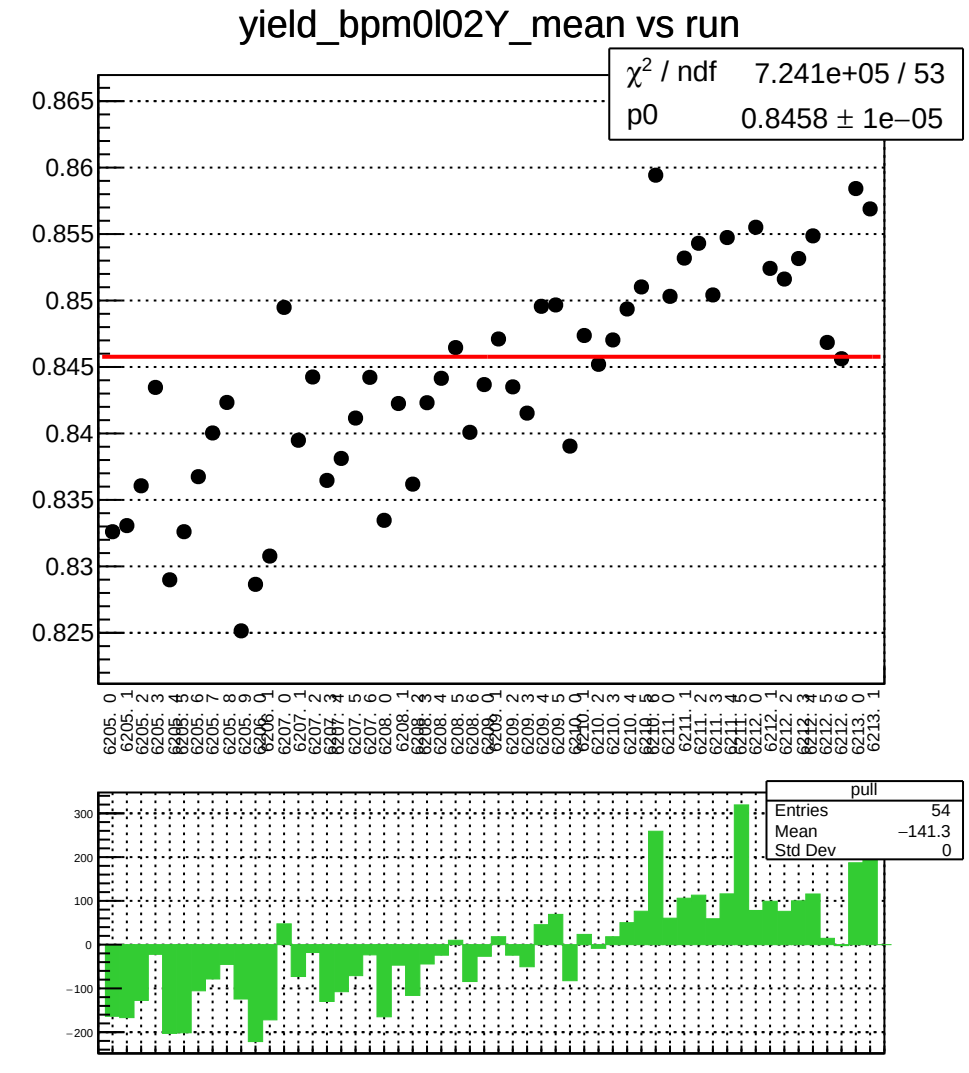

pull1D
Entries 54
Mean −1.94
Std Dev 1.815
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

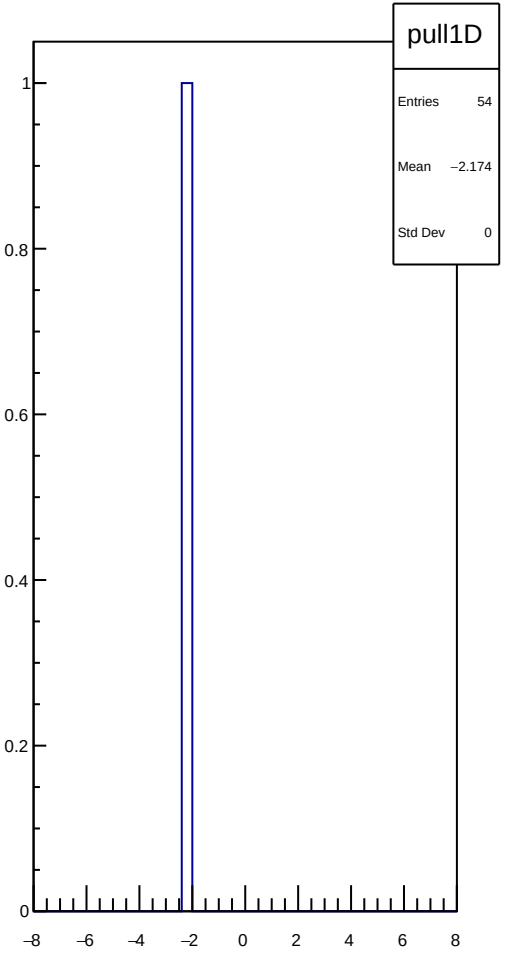

yield_bpm0l01Y_rms vs run
χ² / ndf 3.22e+04 / 53
p0 0.004526 ± 4.466e−06
0.011
0.01
0.009
0.008
0.007
0.006
0.005
0.004
0.003
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 1
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

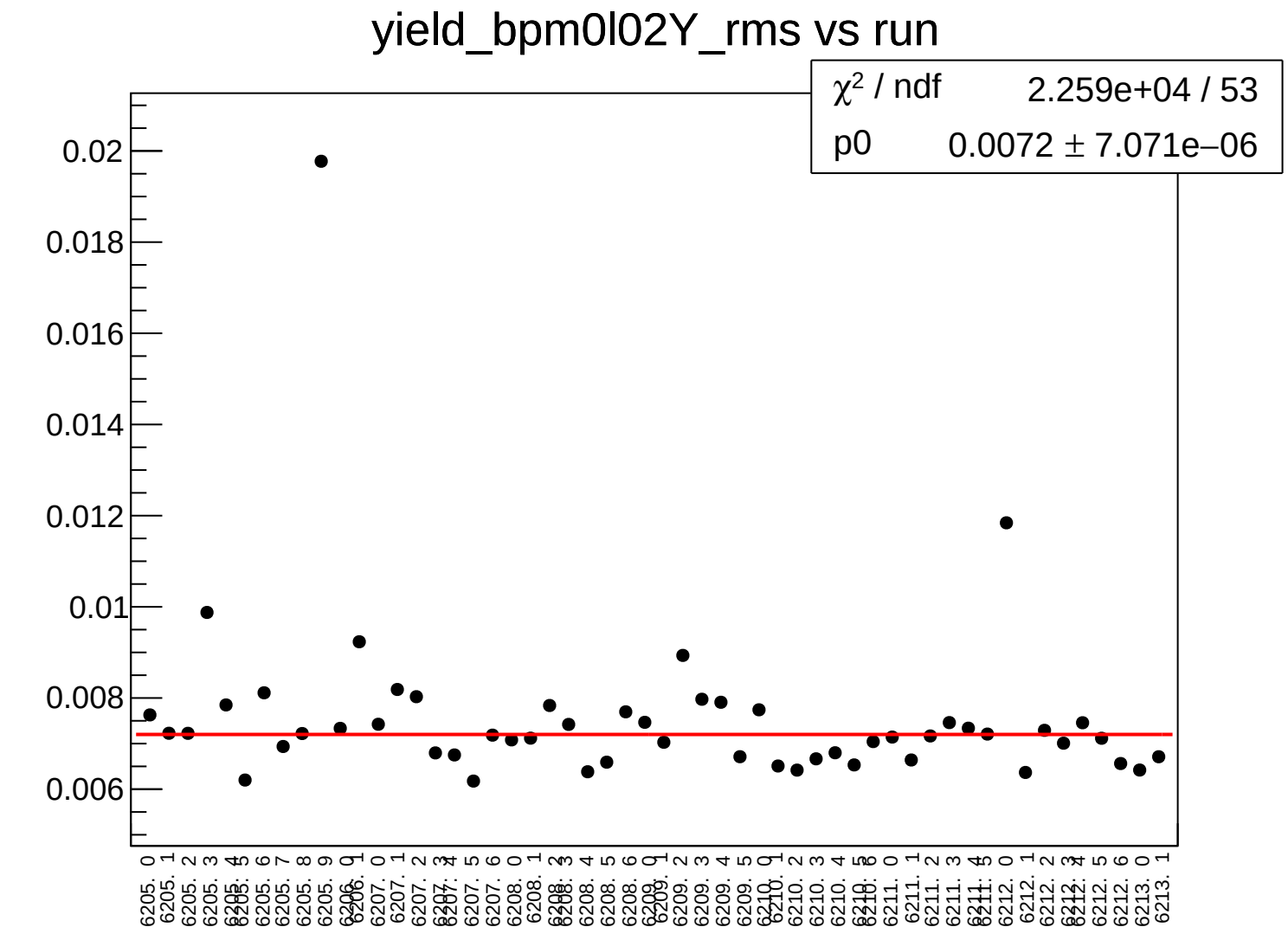

yield_bpm0l02X_mean vs run
χ² / ndf 2.08e+06 / 53
p0 0.1288 ± 1.69e−05
0.18
0.16
0.14
0.12
0.1
0.08
pull
Entries 54
Mean −342.7
Std Dev 0
500
400
300
200
100
0
−100
−200
−300
−400

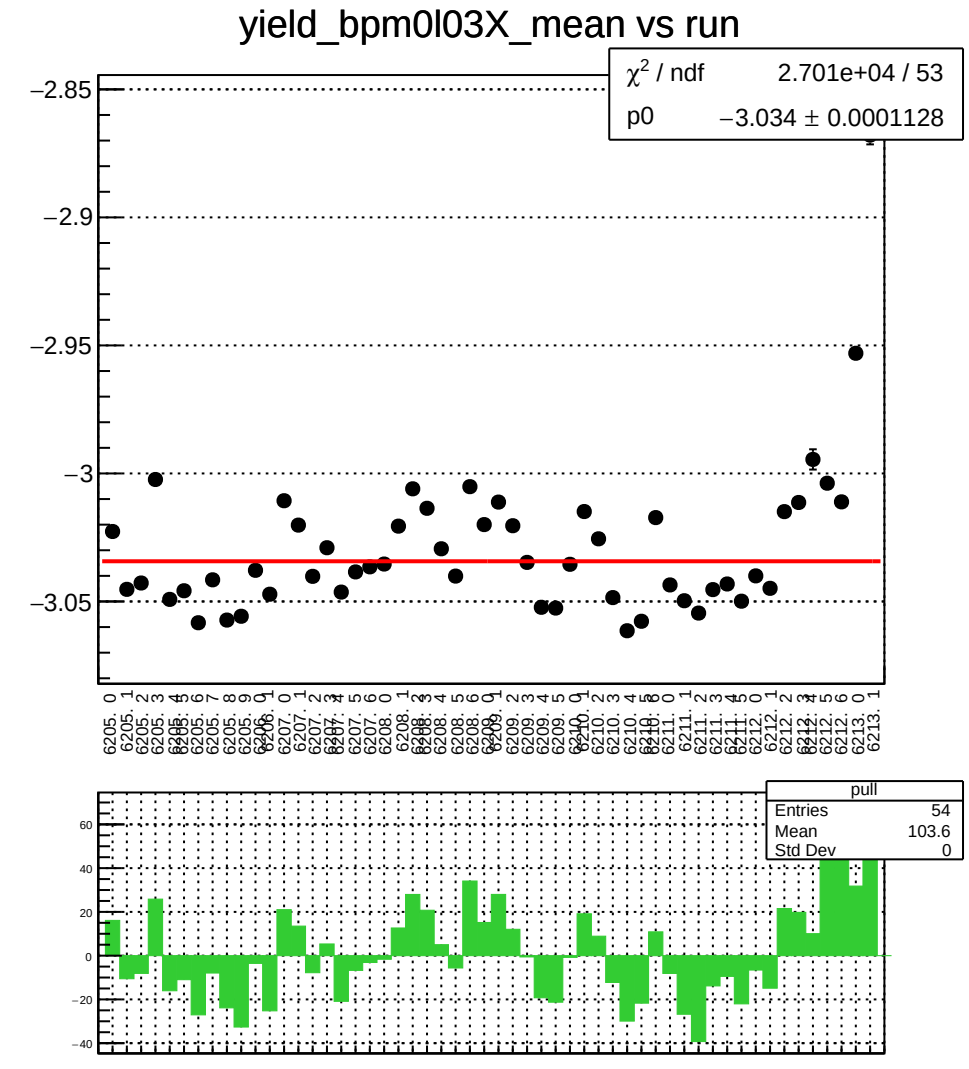

pull1D
Entries 54
Mean 0.6759
Std Dev 1.227
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

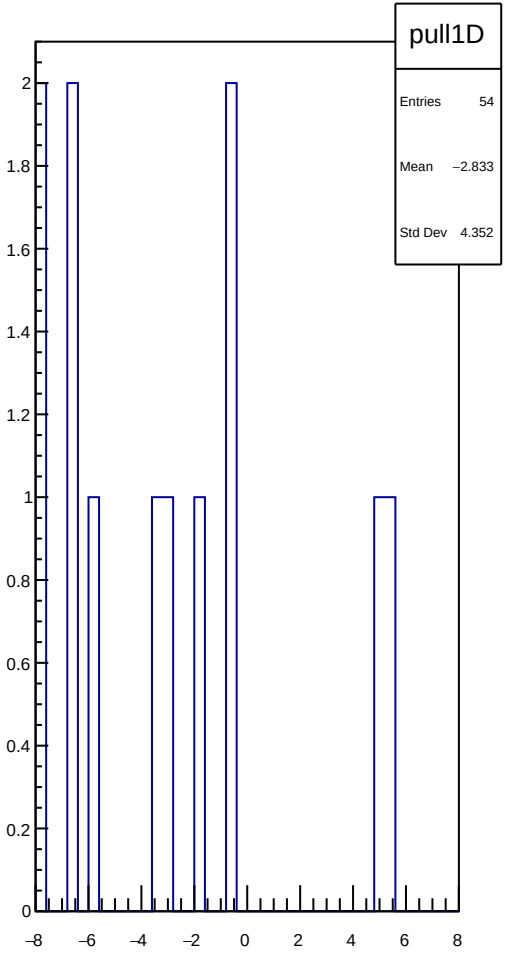

yield_bpm0l02X_rms vs run
χ² / ndf 1.17e+04 / 53
p0 0.01223 ± 1.195e–05
0.019
0.018
0.017
0.016
0.015
0.014
0.013
0.012
0.011
0.01
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

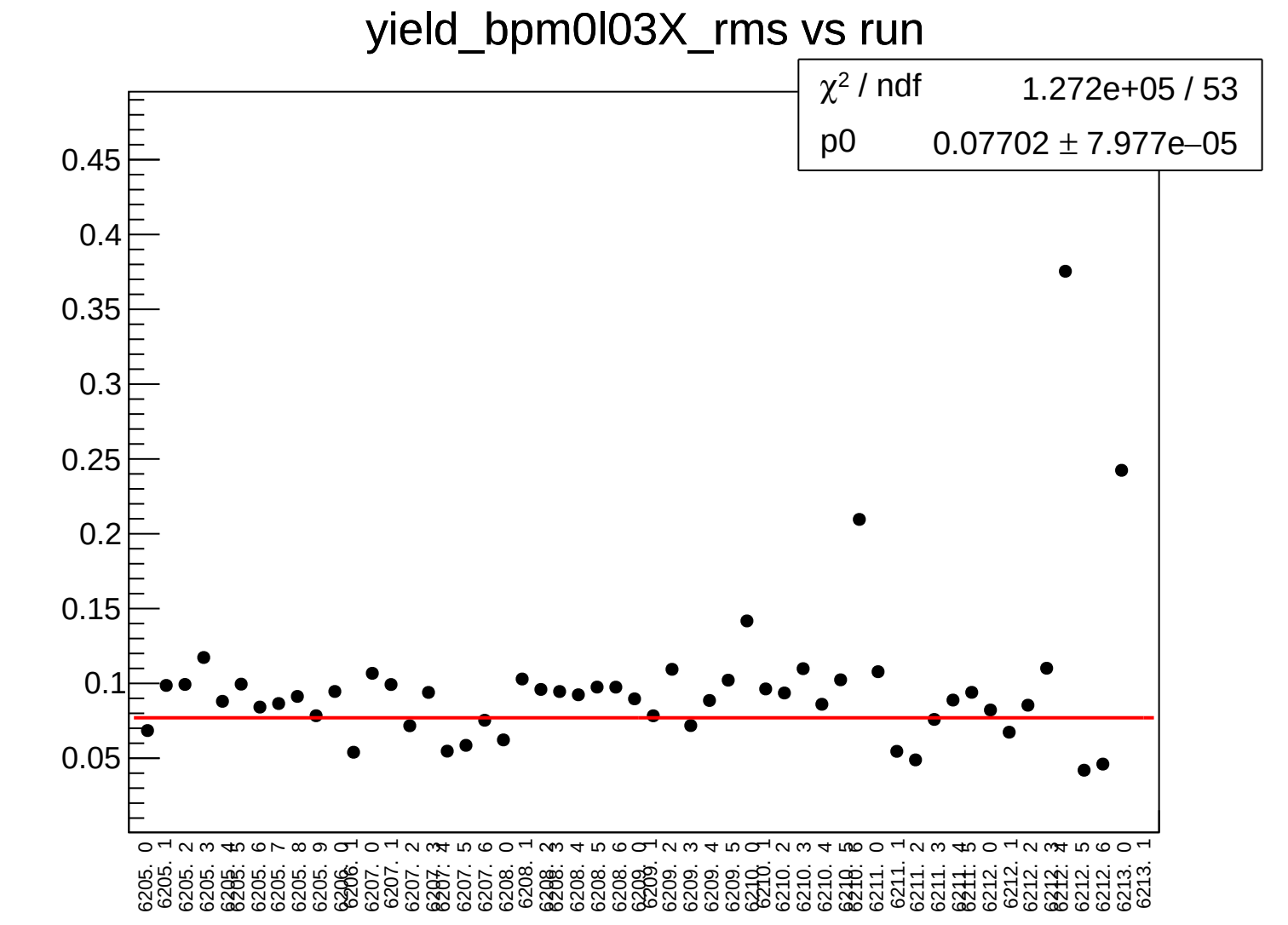

yield_bpm0l02Y_mean vs run
χ² / ndf 7.241e+05 / 53
p0 0.8458 ± 1e−05
0.865
0.86
0.855
0.85
0.845
0.84
0.835
0.83
0.825
pull
Entries 54
Mean −141.3
Std Dev 0
300
200
100
0
−100
−200

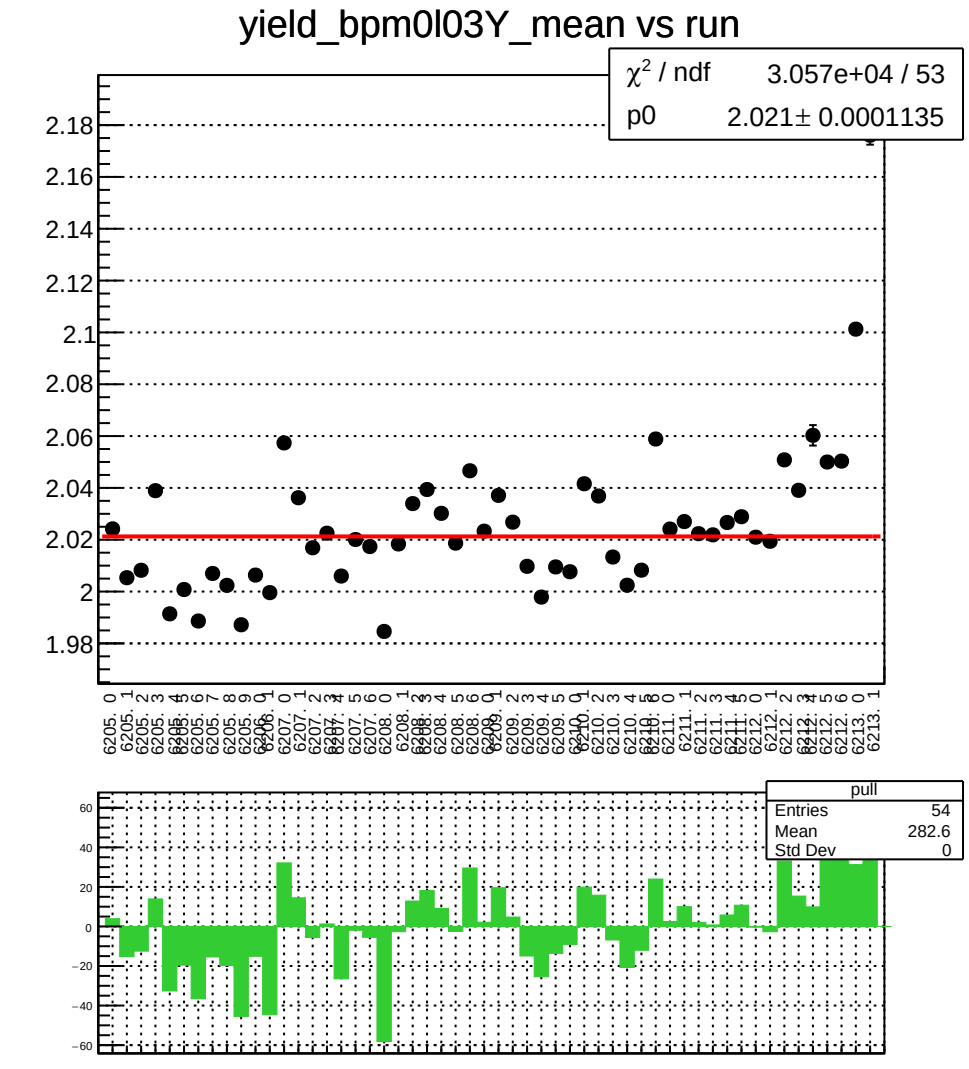

pull1D
Entries 54
Mean −2.174
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

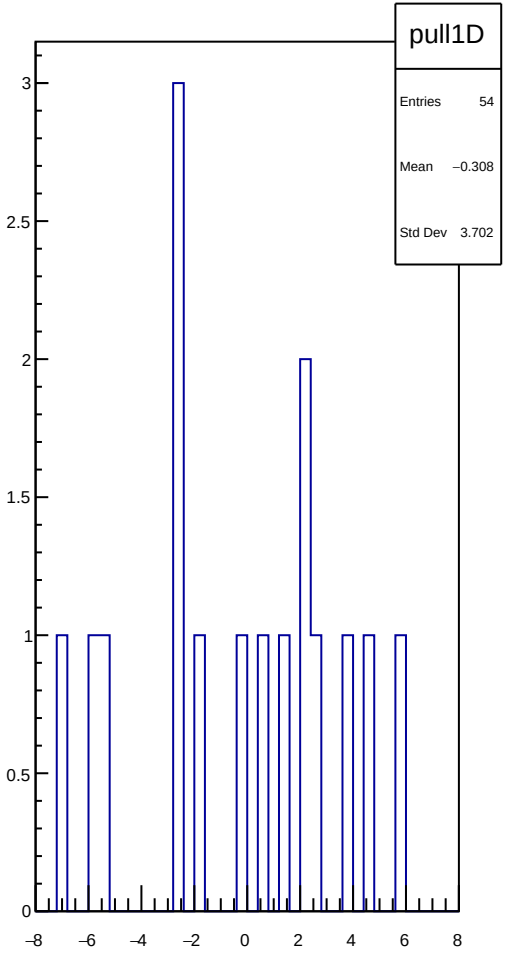

yield_bpm0l02Y_rms vs run
χ² / ndf 2.259e+04 / 53
p0 0.0072 ± 7.071e−06
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 1
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

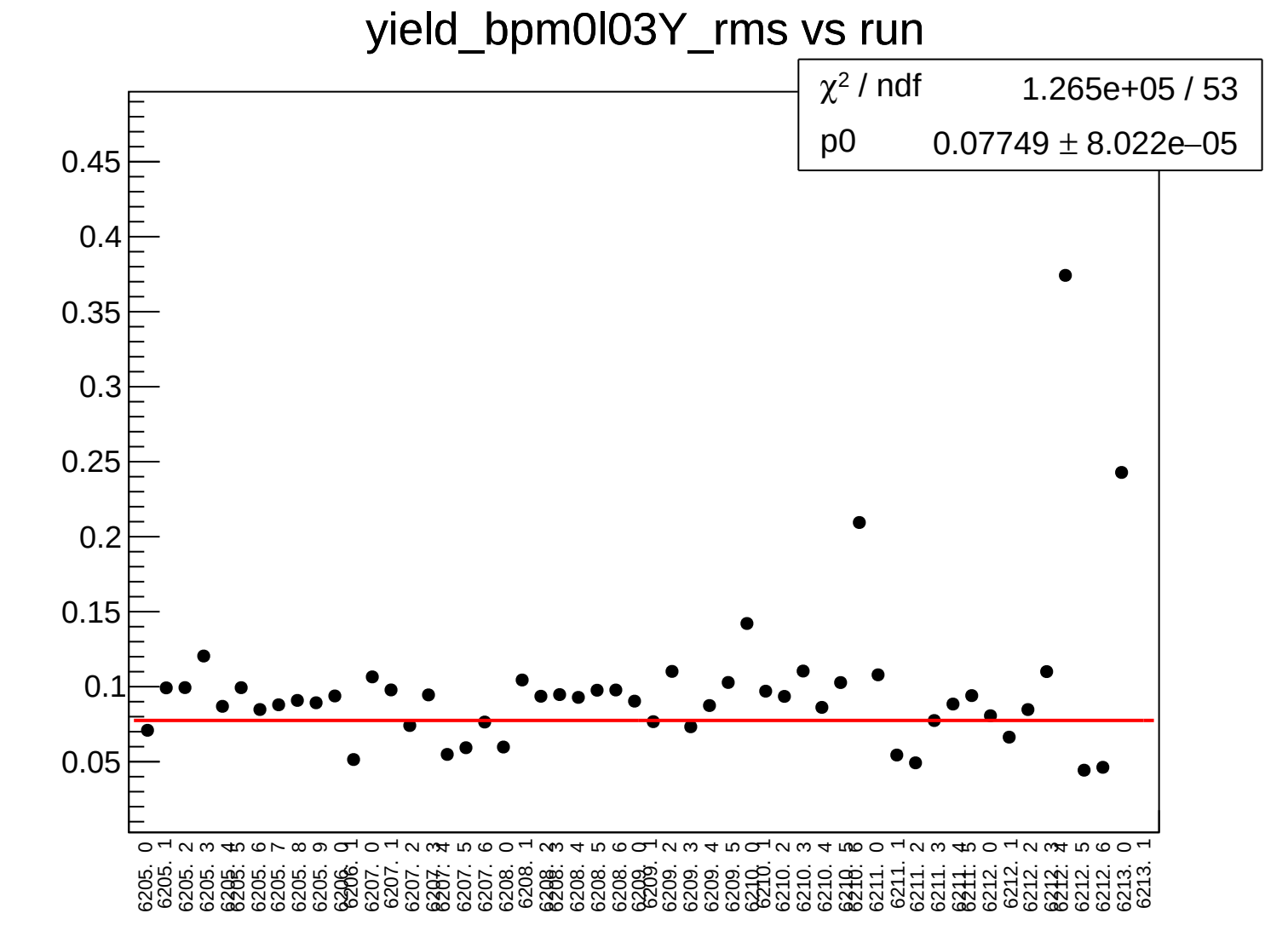

yield_bpm0l03X_mean vs run
χ² / ndf 2.701e+04 / 53
p0 −3.034 ± 0.0001128
−2.85
−2.9
−2.95
−3
−3.05
pull
Entries 54
Mean 103.6
Std Dev 0
60
40
20
0
−20
−40

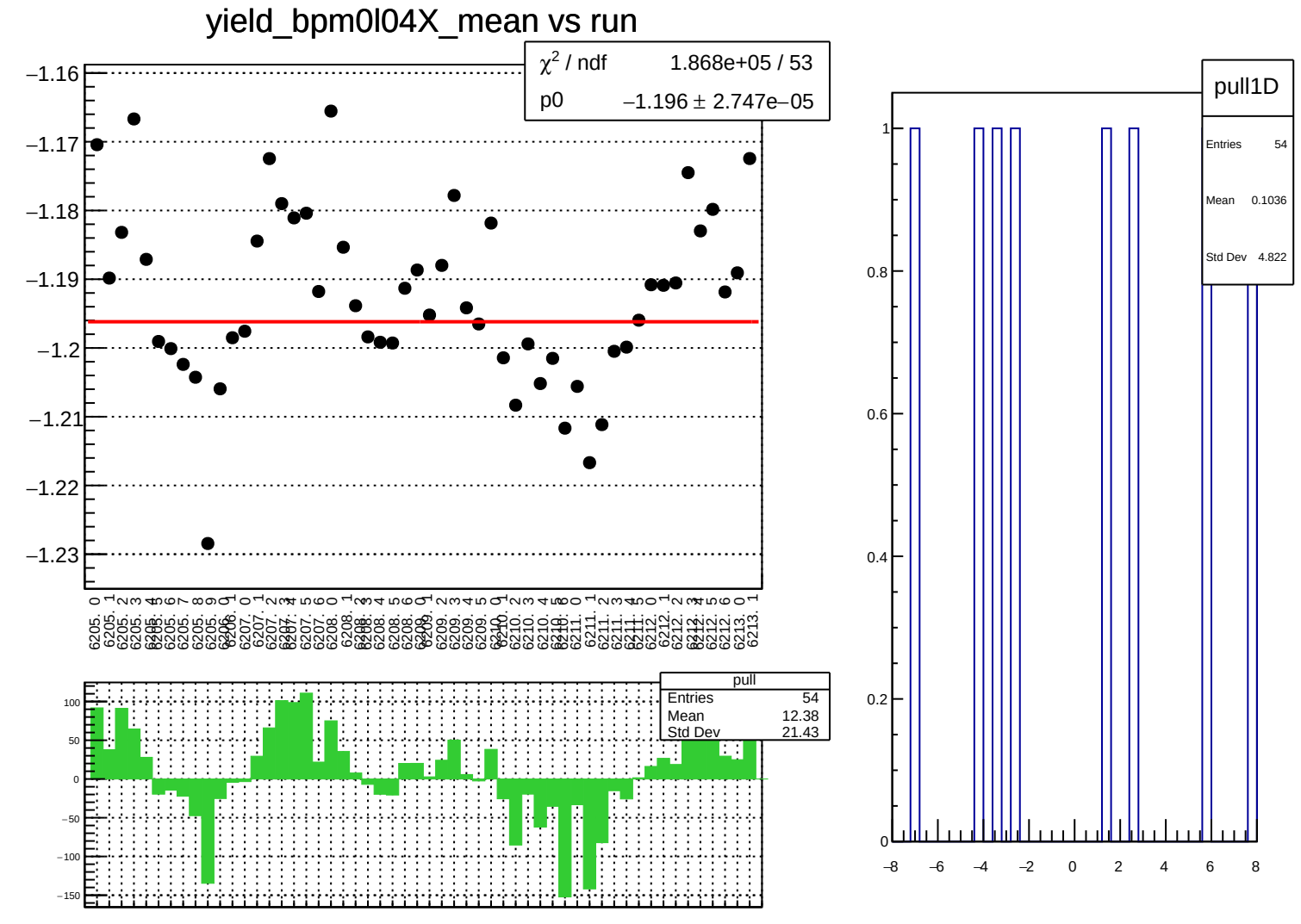

pull1D
Entries 54
Mean −2.833
Std Dev 4.352
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

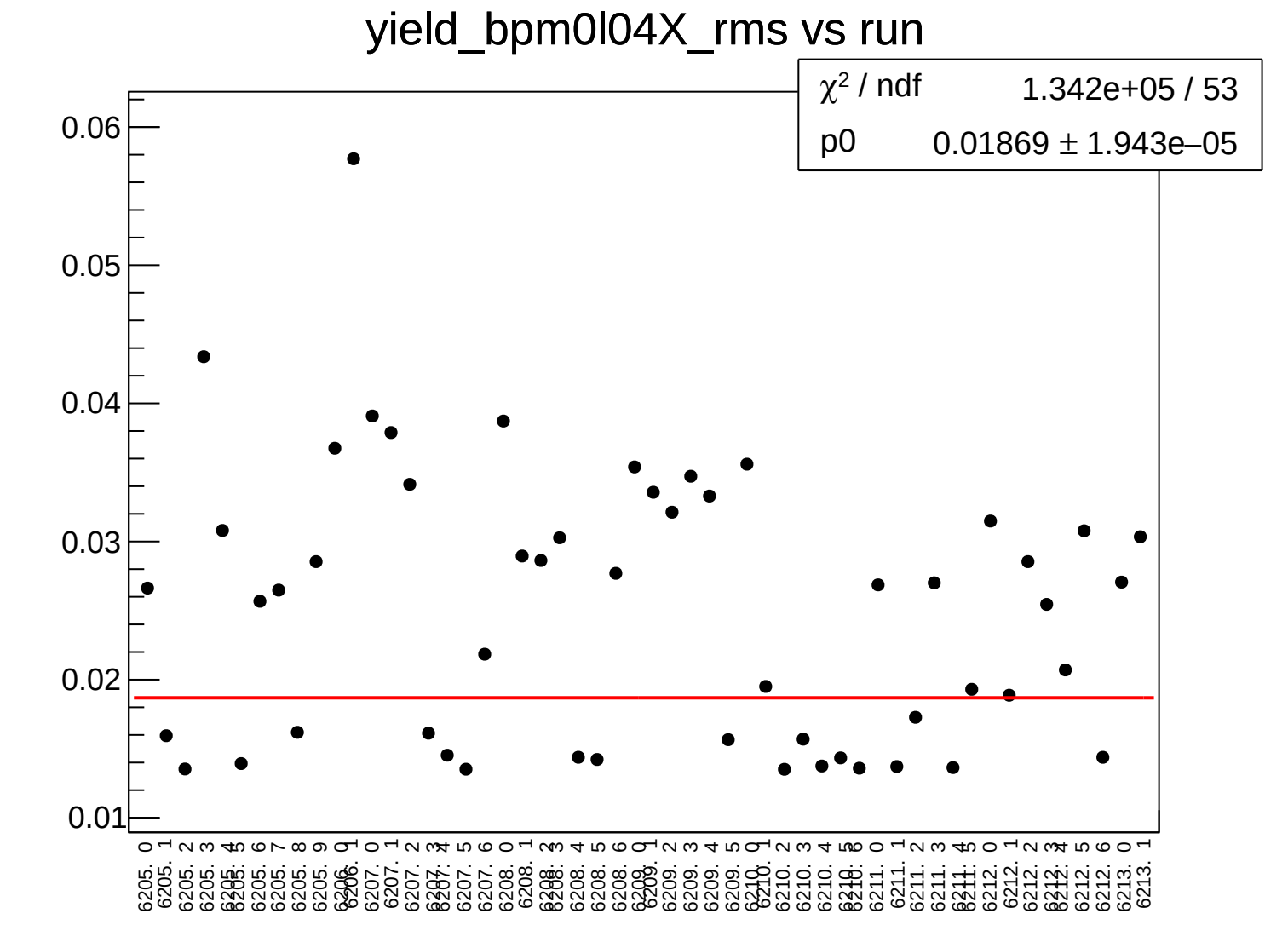

yield_bpm0l03X_rms vs run
χ² / ndf 1.272e+05 / 53
p0 0.07702 ± 7.977e−05
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 1
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

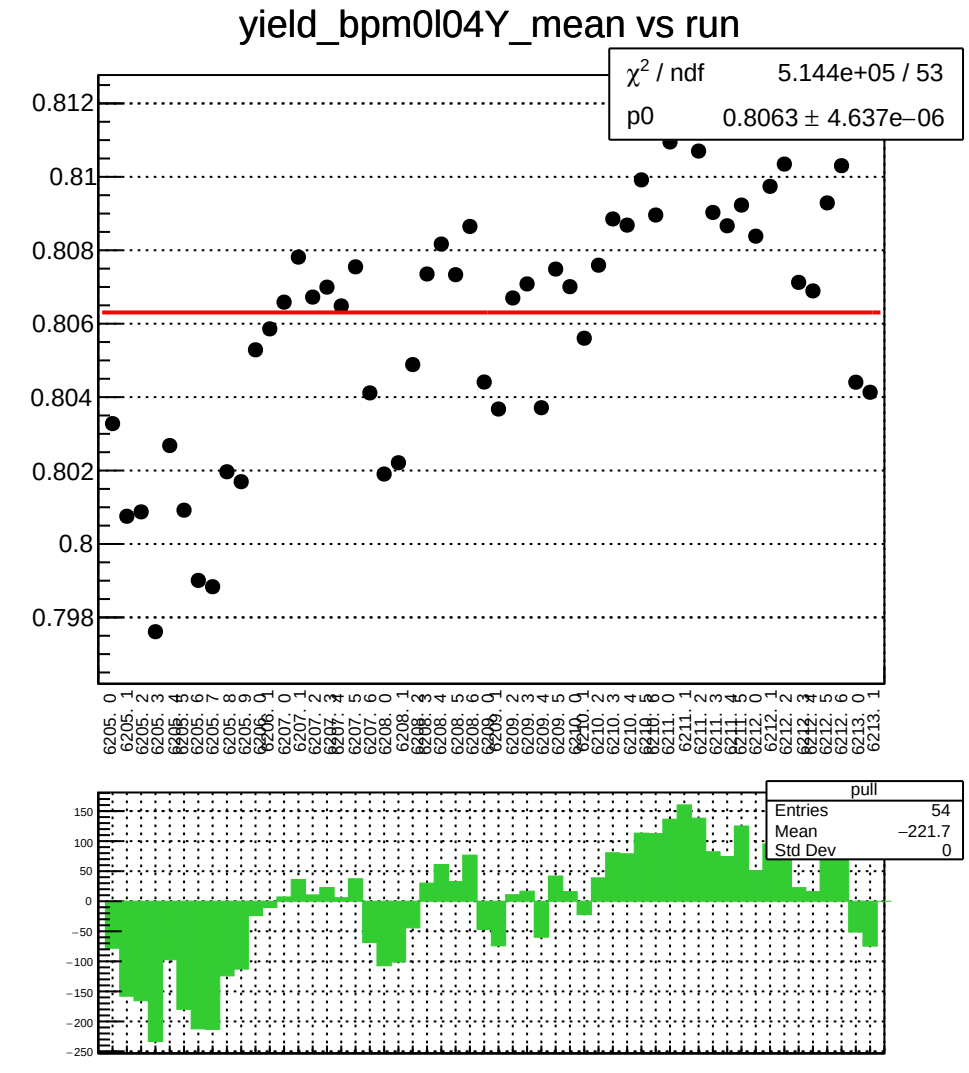

yield_bpm0l03Y_mean vs run
χ² / ndf 3.057e+04 / 53
p0 2.021± 0.0001135
pull
Entries 54
Mean 282.6
Std Dev 0

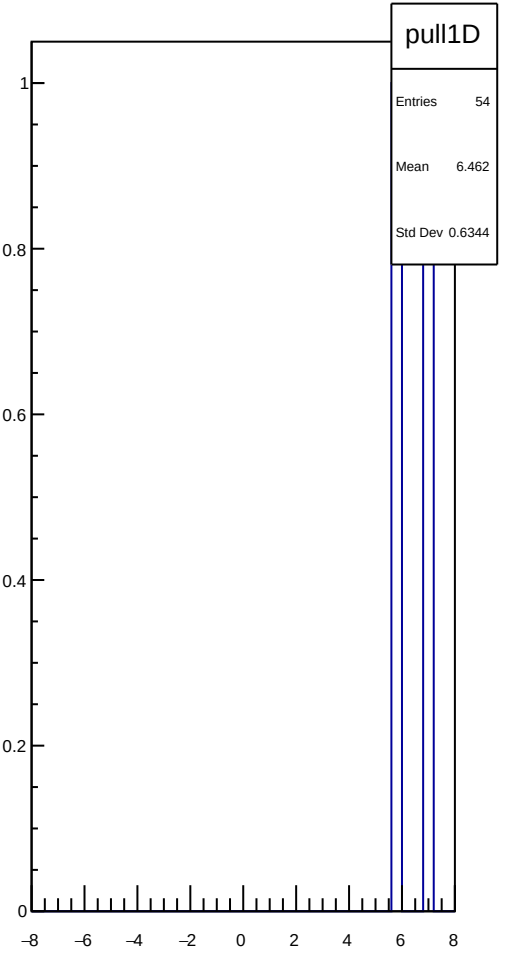

pull1D
Entries 54
Mean −0.308
Std Dev 3.702

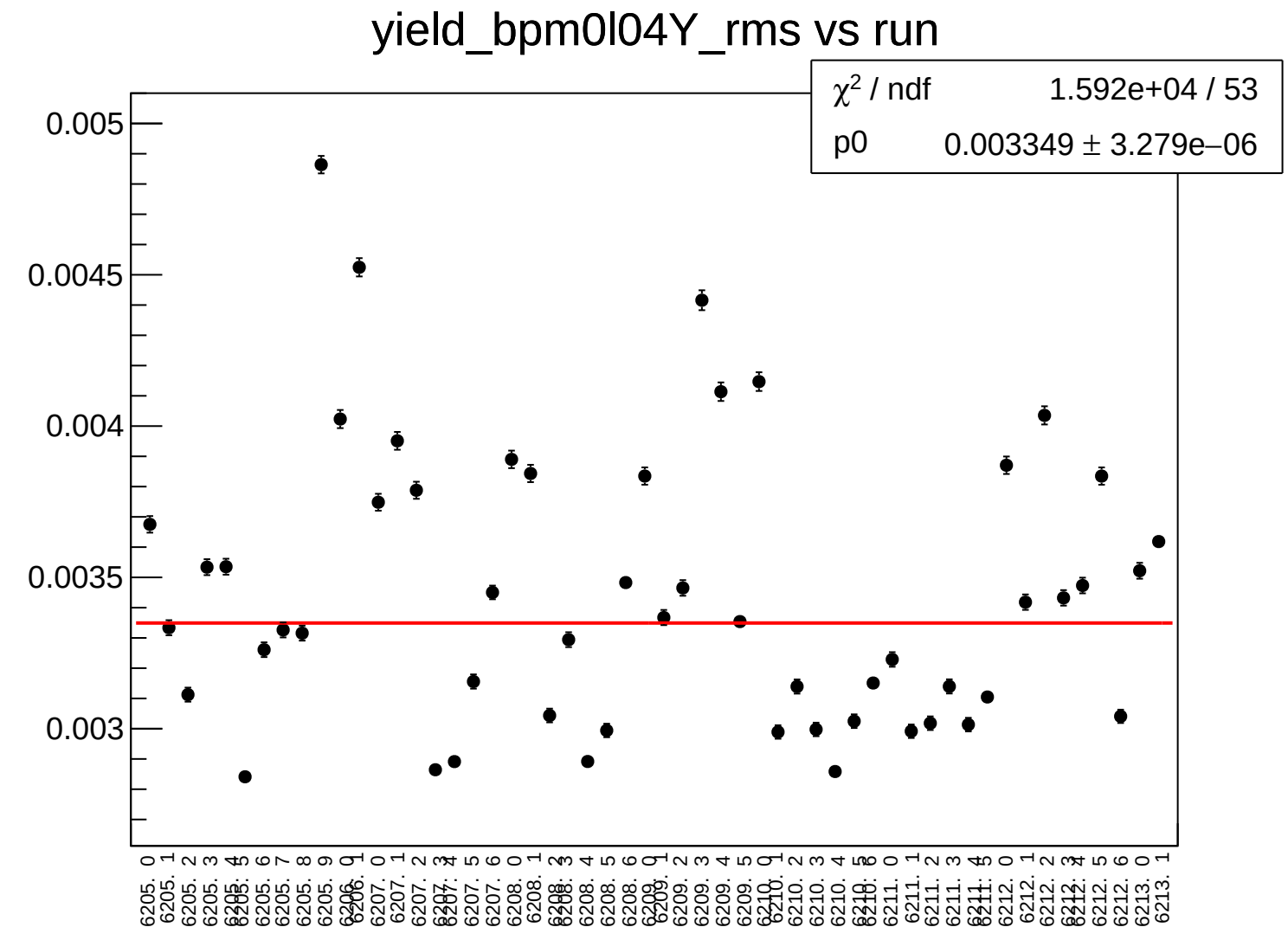

yield_bpm0l03Y_rms vs run
χ² / ndf 1.265e+05 / 53
p0 0.07749 ± 8.022e–05
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 1
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

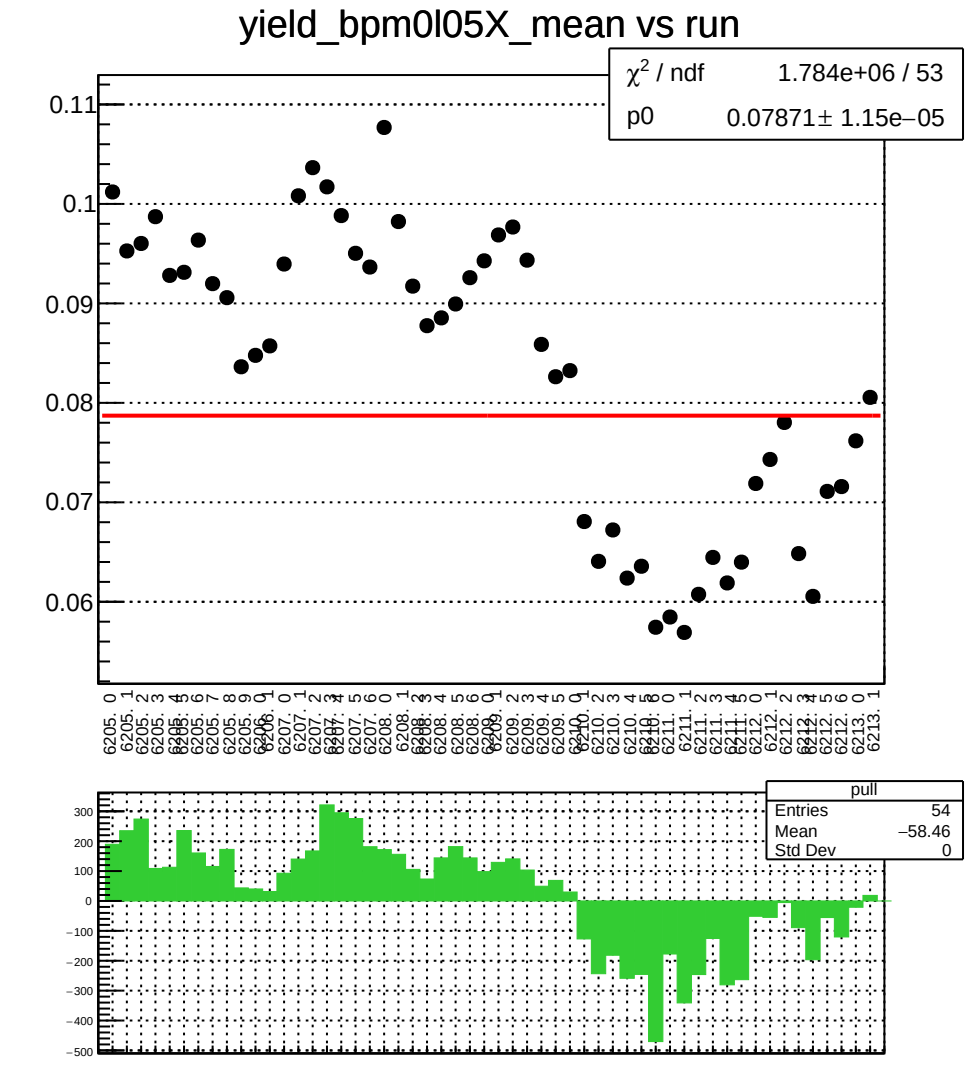

yield_bpm0l04X_mean vs run
χ² / ndf 1.868e+05 / 53
p0 −1.196 ± 2.747e−05
pull
Entries 54
Mean 12.38
Std Dev 21.43
pull1D
Entries 54
Mean 0.1036
Std Dev 4.822

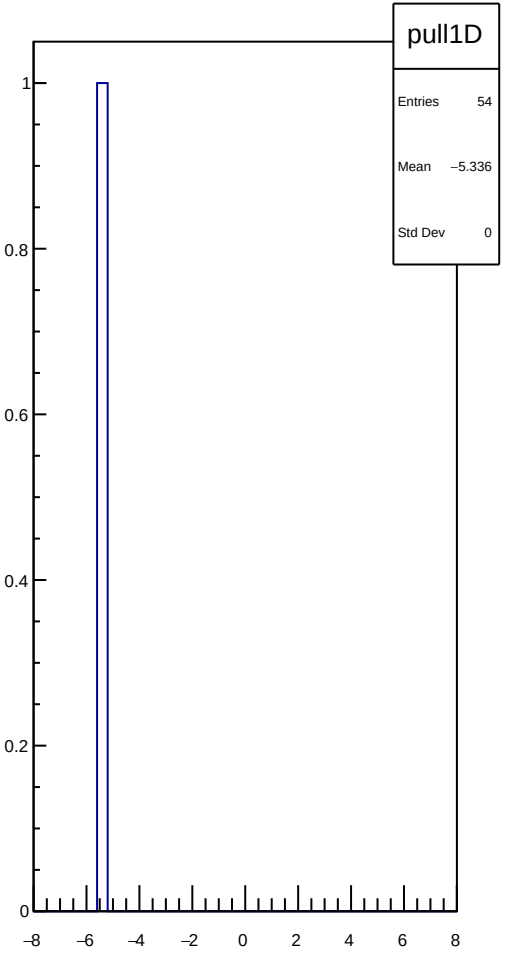

yield_bpm0l04X_rms vs run
χ² / ndf 1.342e+05 / 53
p0 0.01869 ± 1.943e−05
0.06
0.05
0.04
0.03
0.02
0.01
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

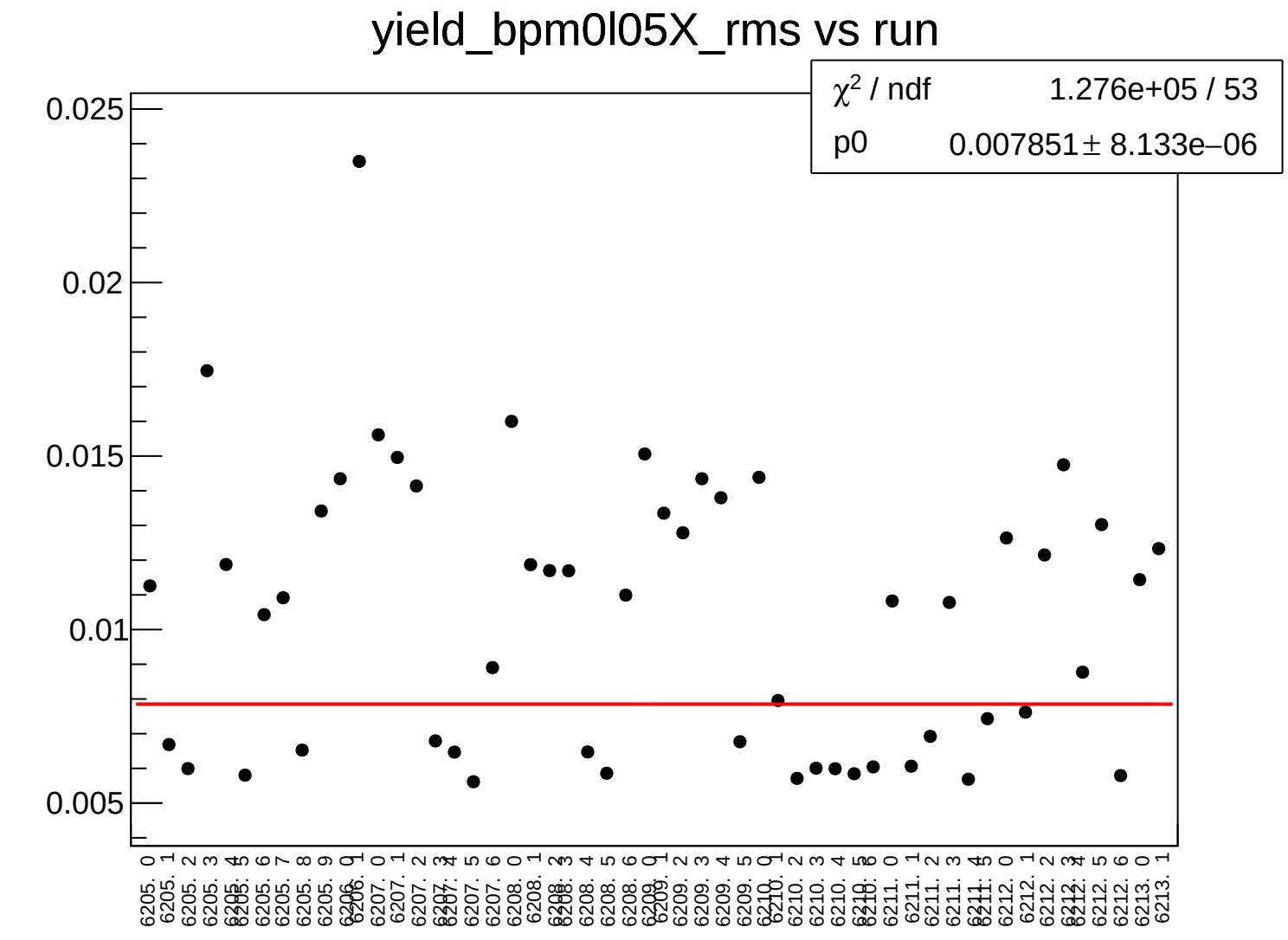

yield_bpm0l04Y_mean vs run
χ² / ndf 5.144e+05 / 53
p0 0.8063 ± 4.637e−06
0.812
0.81
0.808
0.806
0.804
0.802
0.8
0.798
pull
Entries 54
Mean −221.7
Std Dev 0
150
100
50
0
−50
−100
−150
−200
−250

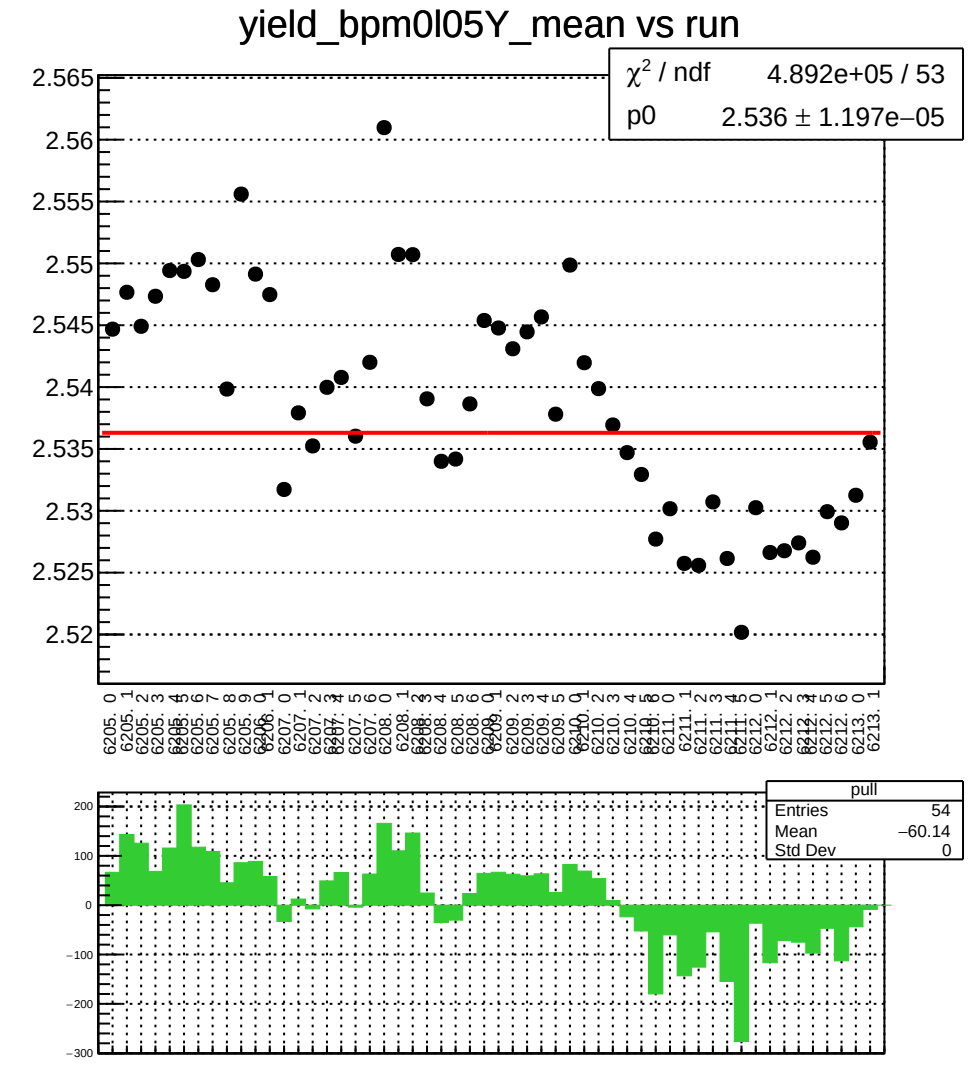

pull1D
Entries 54
Mean 6.462
Std Dev 0.6344
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

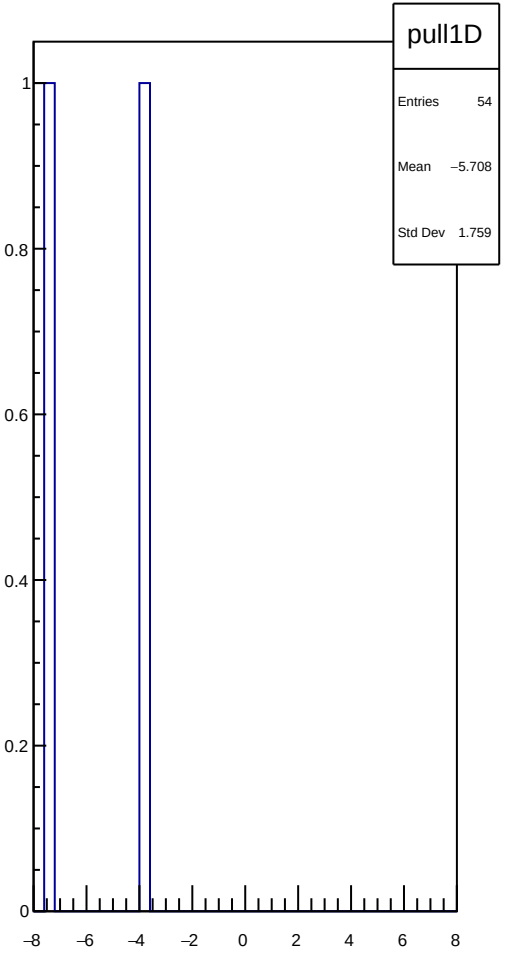

yield_bpm0l04Y_rms vs run
χ² / ndf 1.592e+04 / 53
p0 0.003349 ± 3.279e−06
0.005
0.0045
0.004
0.0035
0.003
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

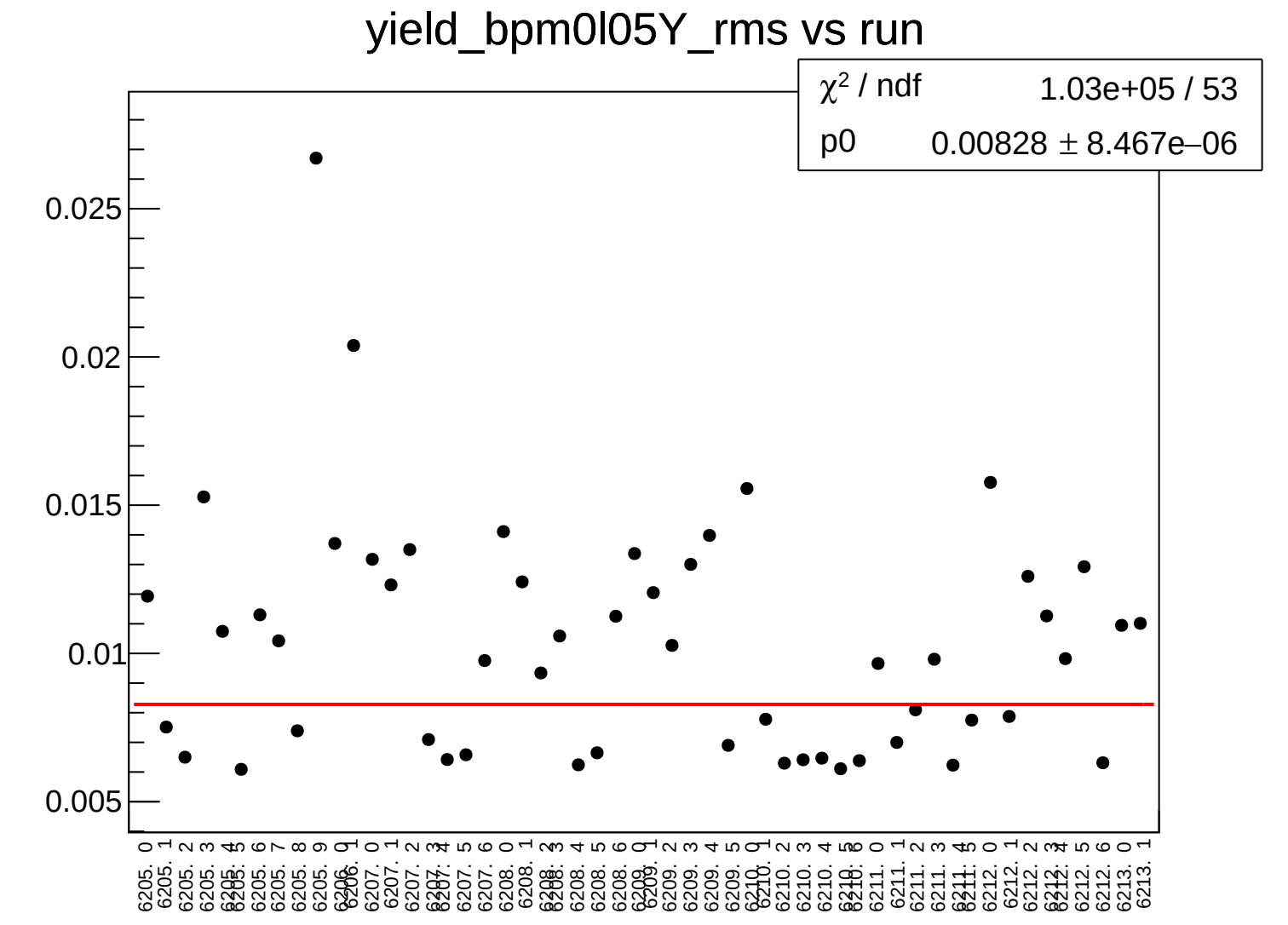

yield_bpm0l05X_mean vs run
χ² / ndf 1.784e+06 / 53
p0 0.07871± 1.15e−05
0.11
0.1
0.09
0.08
0.07
0.06
pull
Entries 54
Mean −58.46
Std Dev 0
300
200
100
0
−100
−200
−300
−400
−500

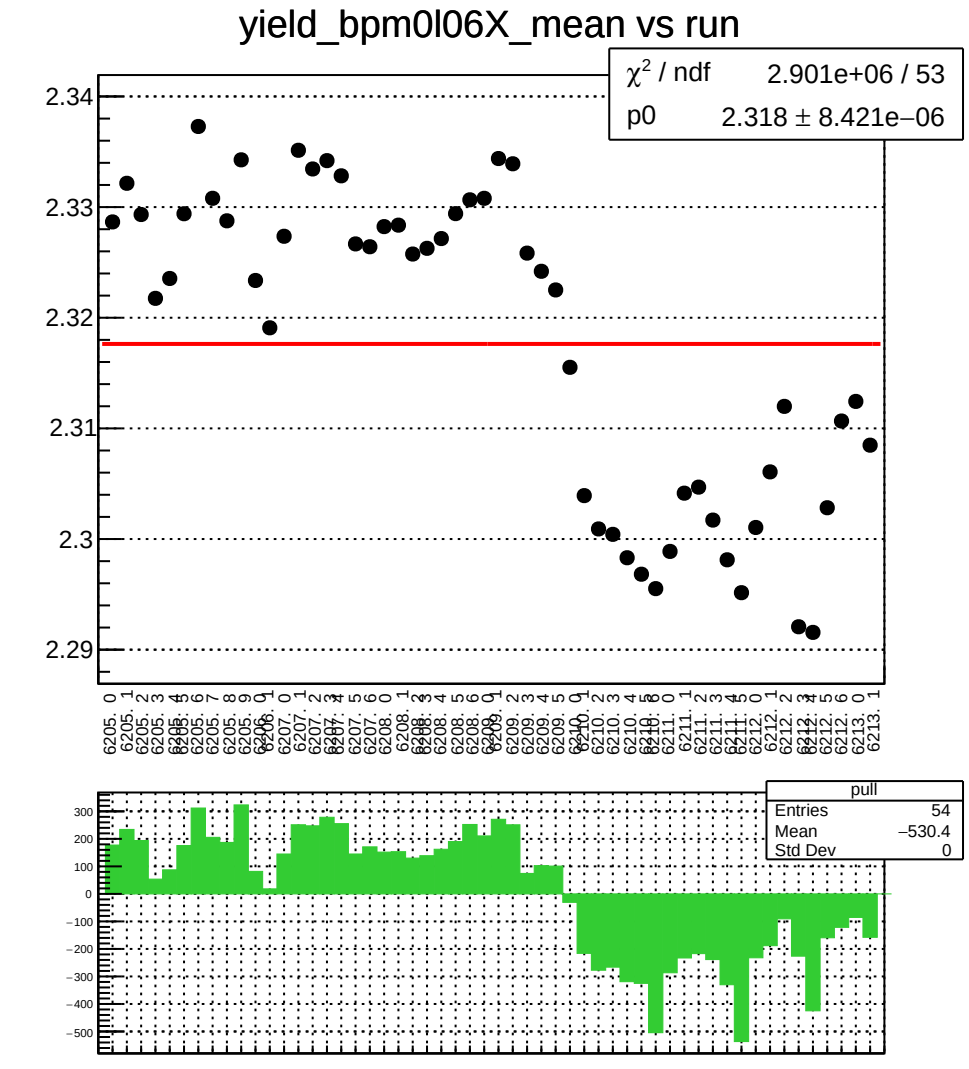

pull1D
Entries 54
Mean −5.336
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

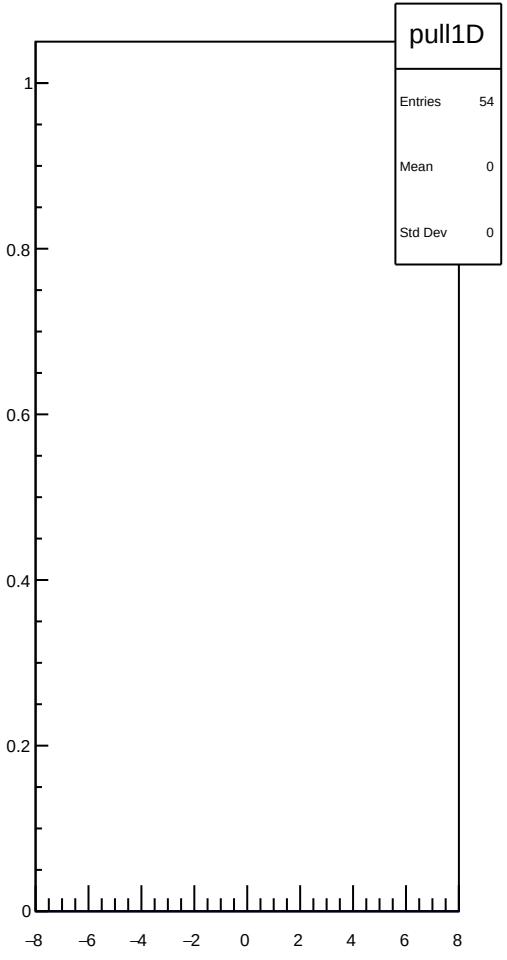

yield_bpm0l05X_rms vs run
χ² / ndf 1.276e+05 / 53
p0 0.007851 ± 8.133e−06
0.025
0.02
0.015
0.01
0.005
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 1
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 1
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

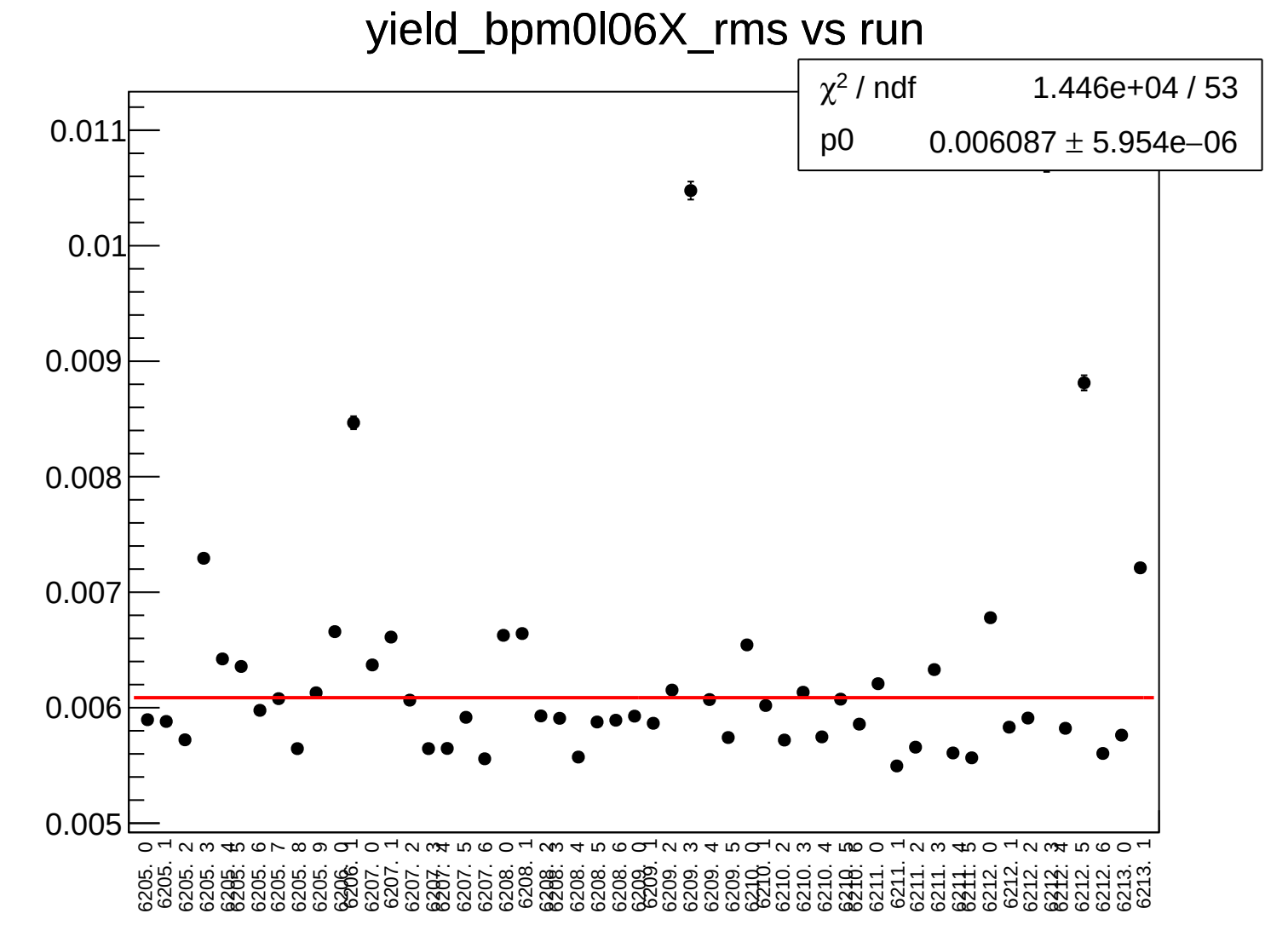

yield_bpm0l05Y_mean vs run
χ² / ndf 4.892e+05 / 53
p0 2.536 ± 1.197e−05
pull
Entries 54
Mean −60.14
Std Dev 0

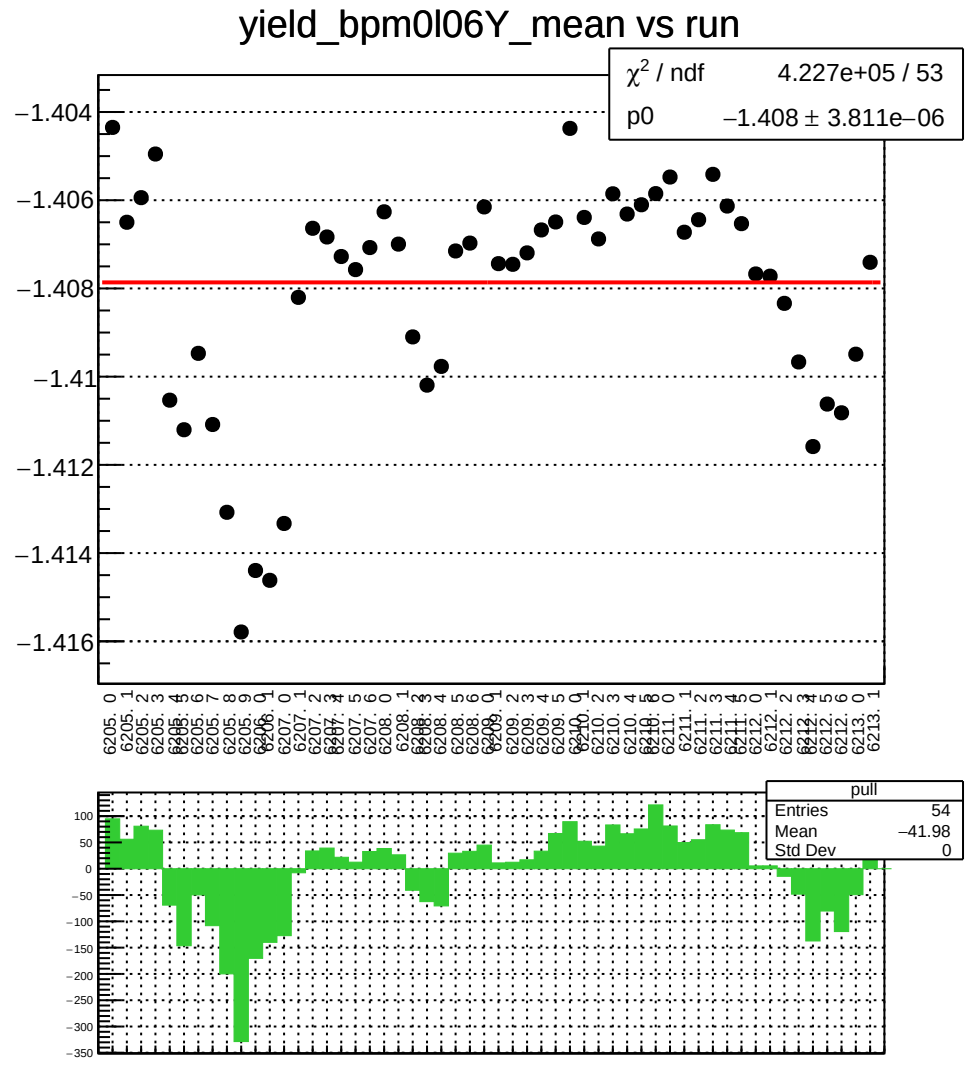

pull1D
Entries 54
Mean −5.708
Std Dev 1.759

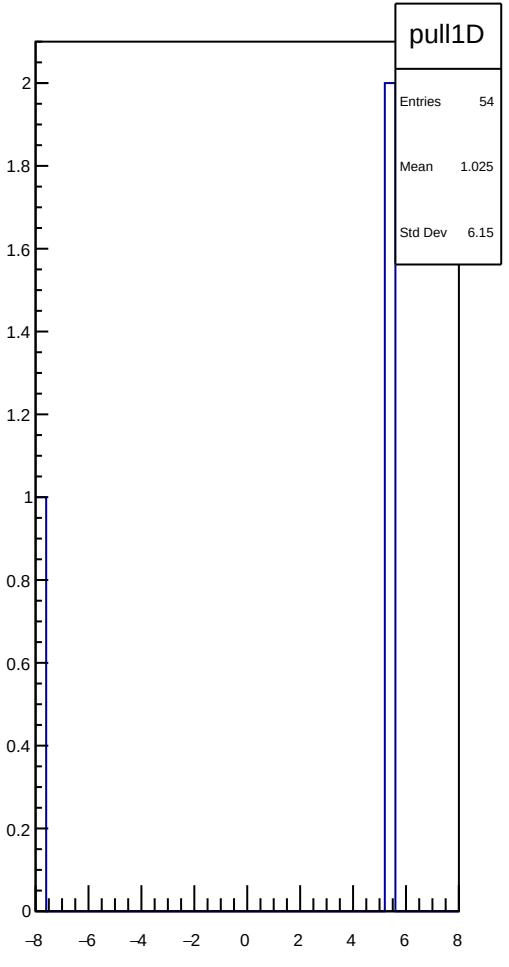

yield_bpm0l05Y_rms vs run
χ² / ndf 1.03e+05 / 53
p0 0.00828 ± 8.467e–06
0.025
0.02
0.015
0.01
0.005
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 1
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 1
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

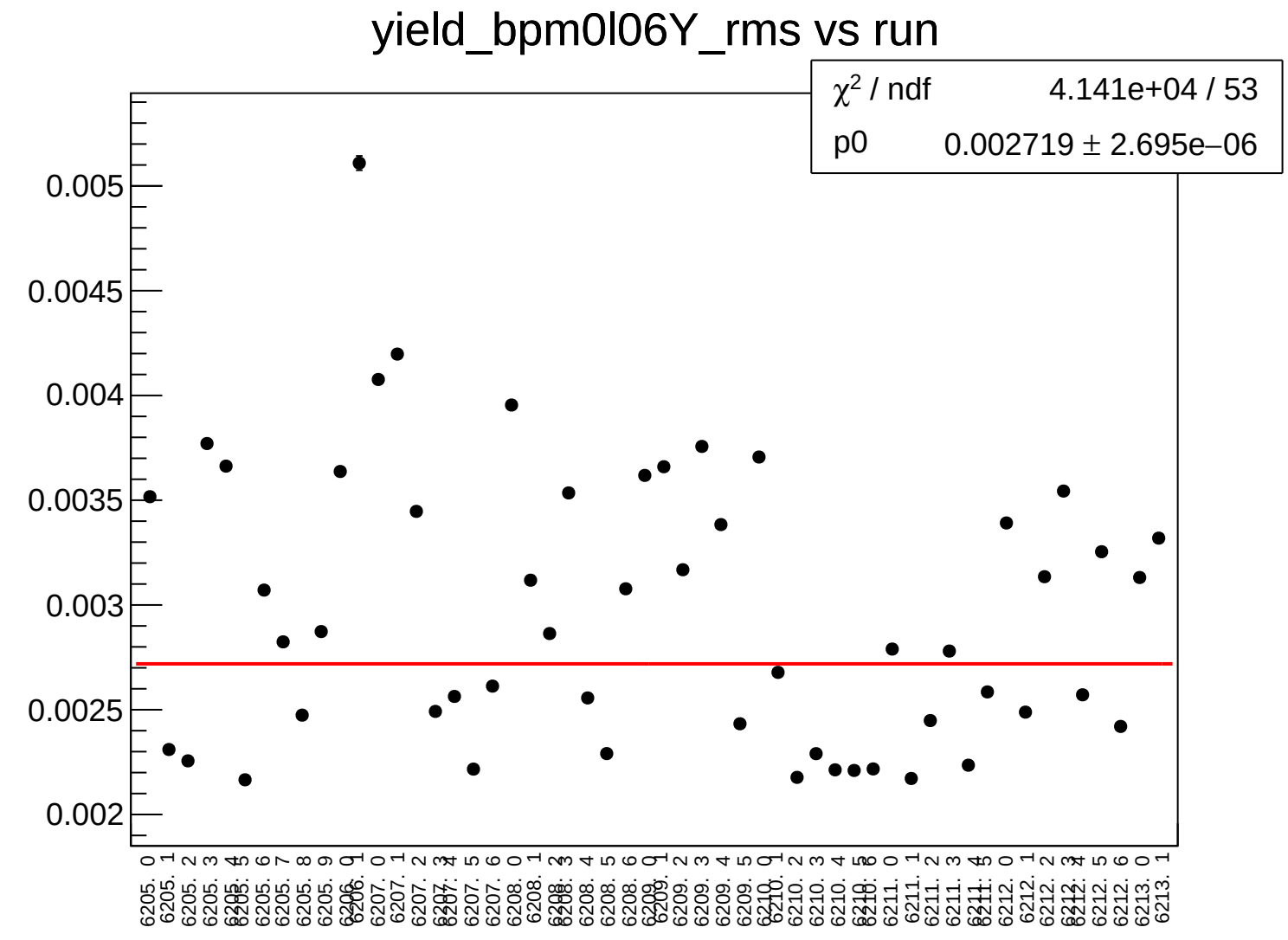

yield_bpm0l06X_mean vs run
χ² / ndf 2.901e+06 / 53
p0 2.318 ± 8.421e−06
2.34
2.33
2.32
2.31
2.3
2.29
pull
Entries 54
Mean −530.4
Std Dev 0
300
200
100
0
−100
−200
−300
−400
−500

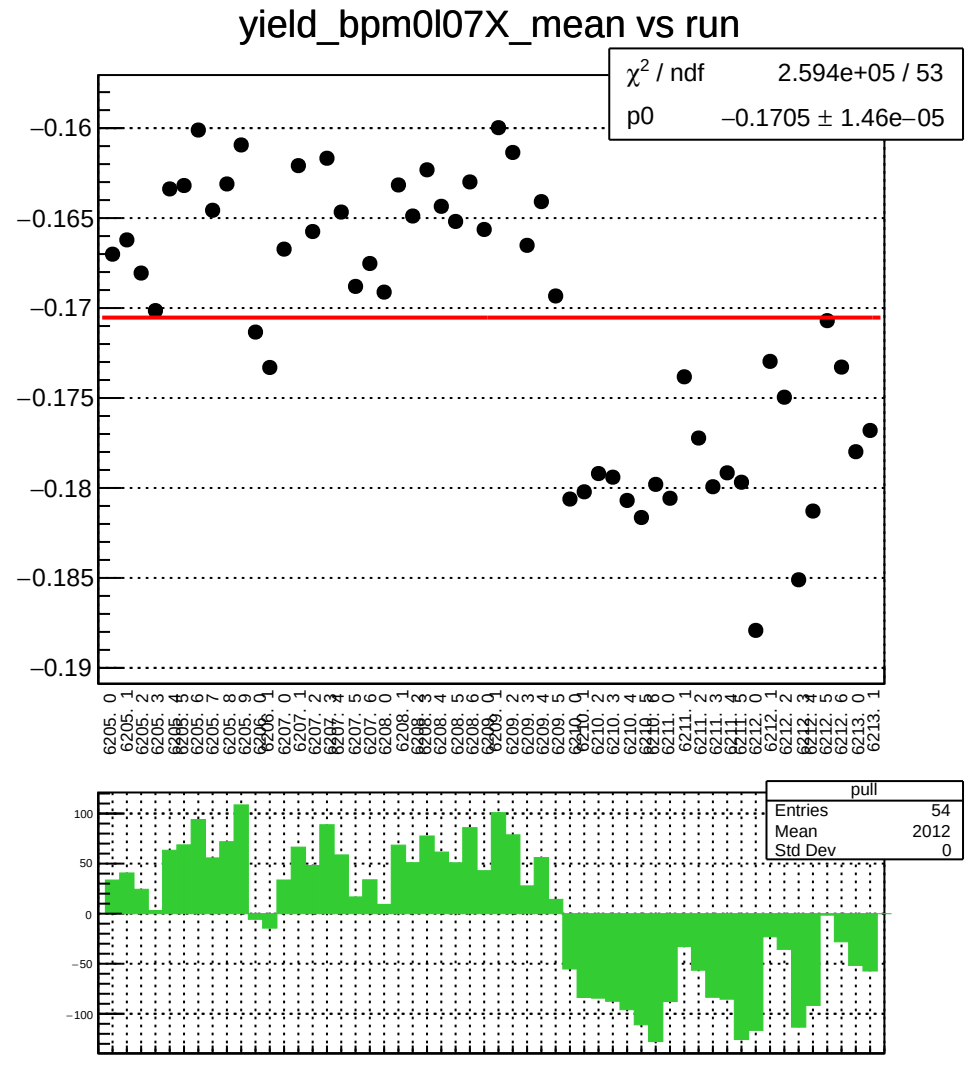

pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

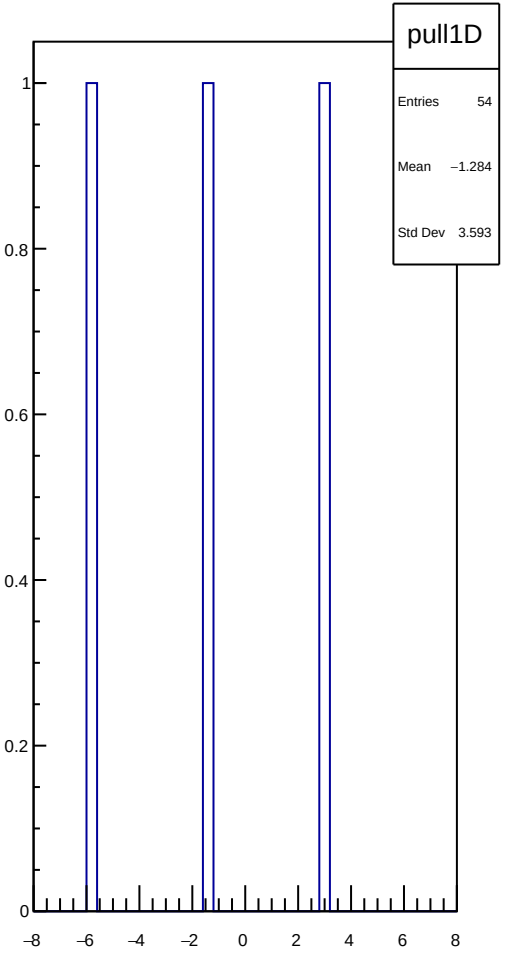

yield_bpm0l06X_rms vs run
χ² / ndf 1.446e+04 / 53
p0 0.006087 ± 5.954e−06
0.011
0.01
0.009
0.008
0.007
0.006
0.005
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 1
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

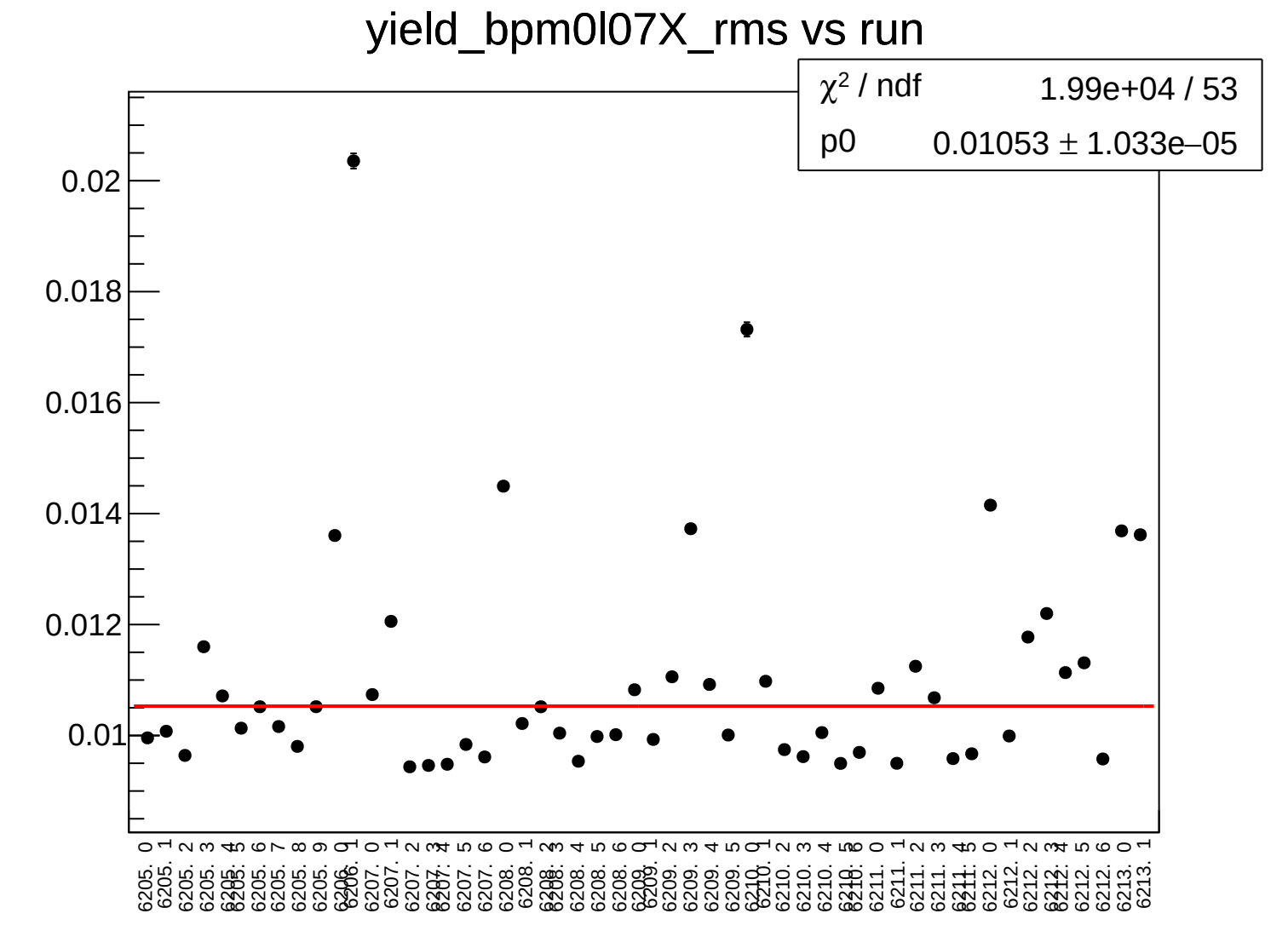

yield_bpm0l06Y_mean vs run
χ² / ndf 4.227e+05 / 53
p0 −1.408 ± 3.811e−06
−1.404
−1.406
−1.408
−1.41
−1.412
−1.414
−1.416
pull
Entries 54
Mean −41.98
Std Dev 0
100
50
0
−50
−100
−150
−200
−250
−300
−350

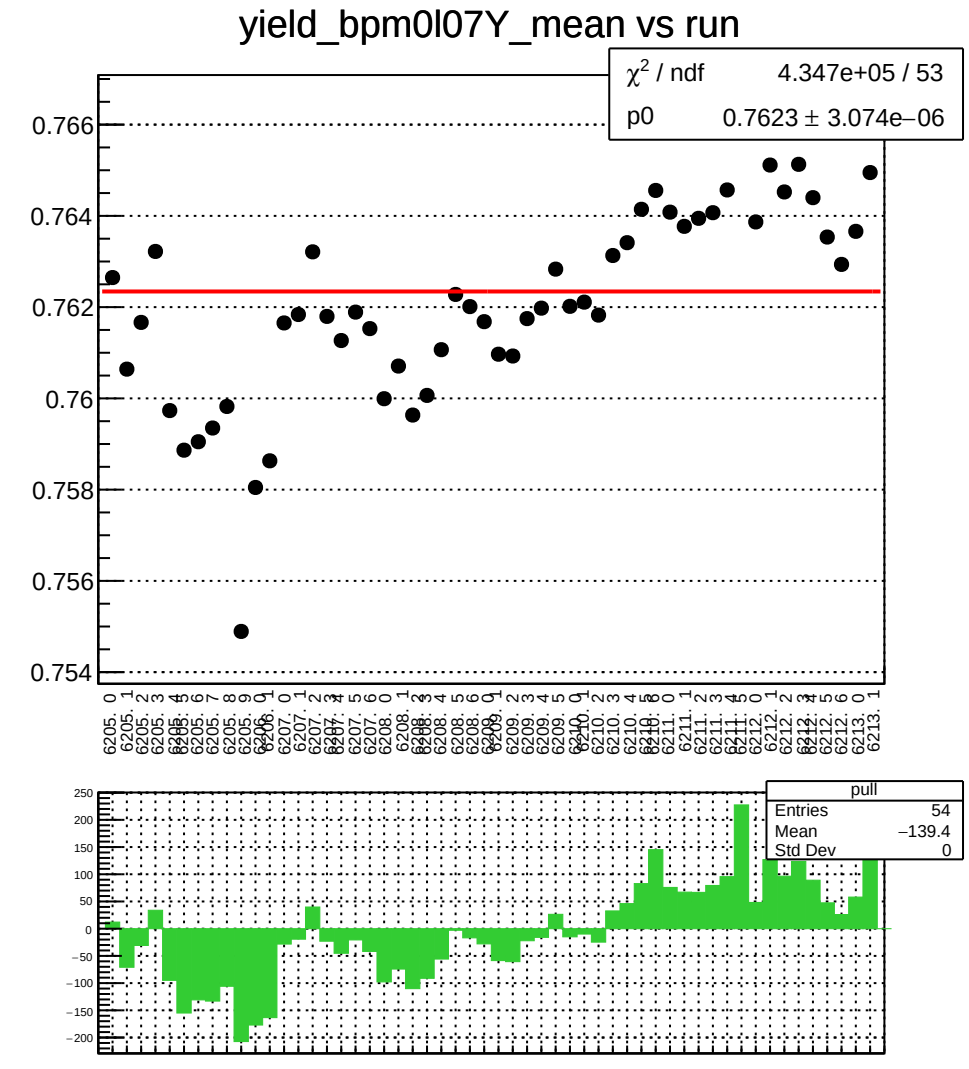

pull1D
Entries 54
Mean 1.025
Std Dev 6.15
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

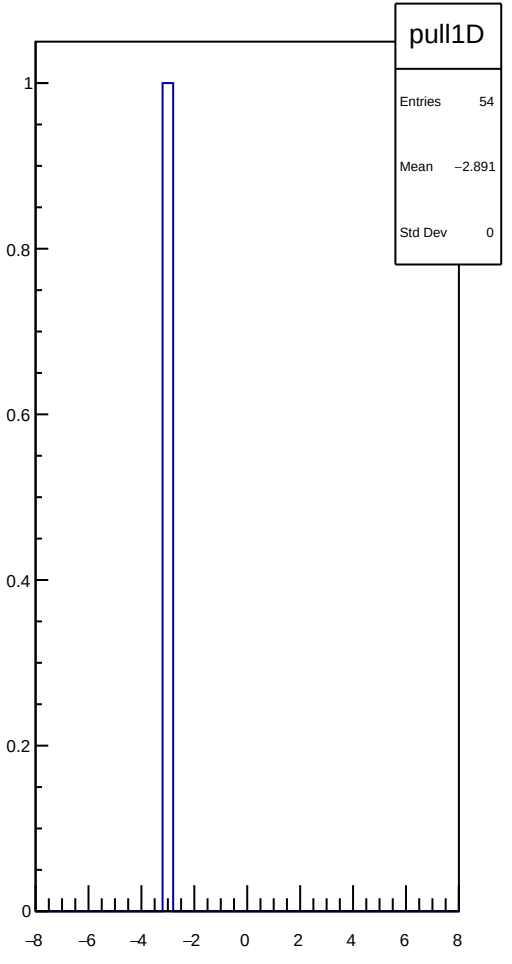

yield_bpm0l06Y_rms vs run
χ² / ndf 4.141e+04 / 53
p0 0.002719 ± 2.695e−06
0.005
0.0045
0.004
0.0035
0.003
0.0025
0.002
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

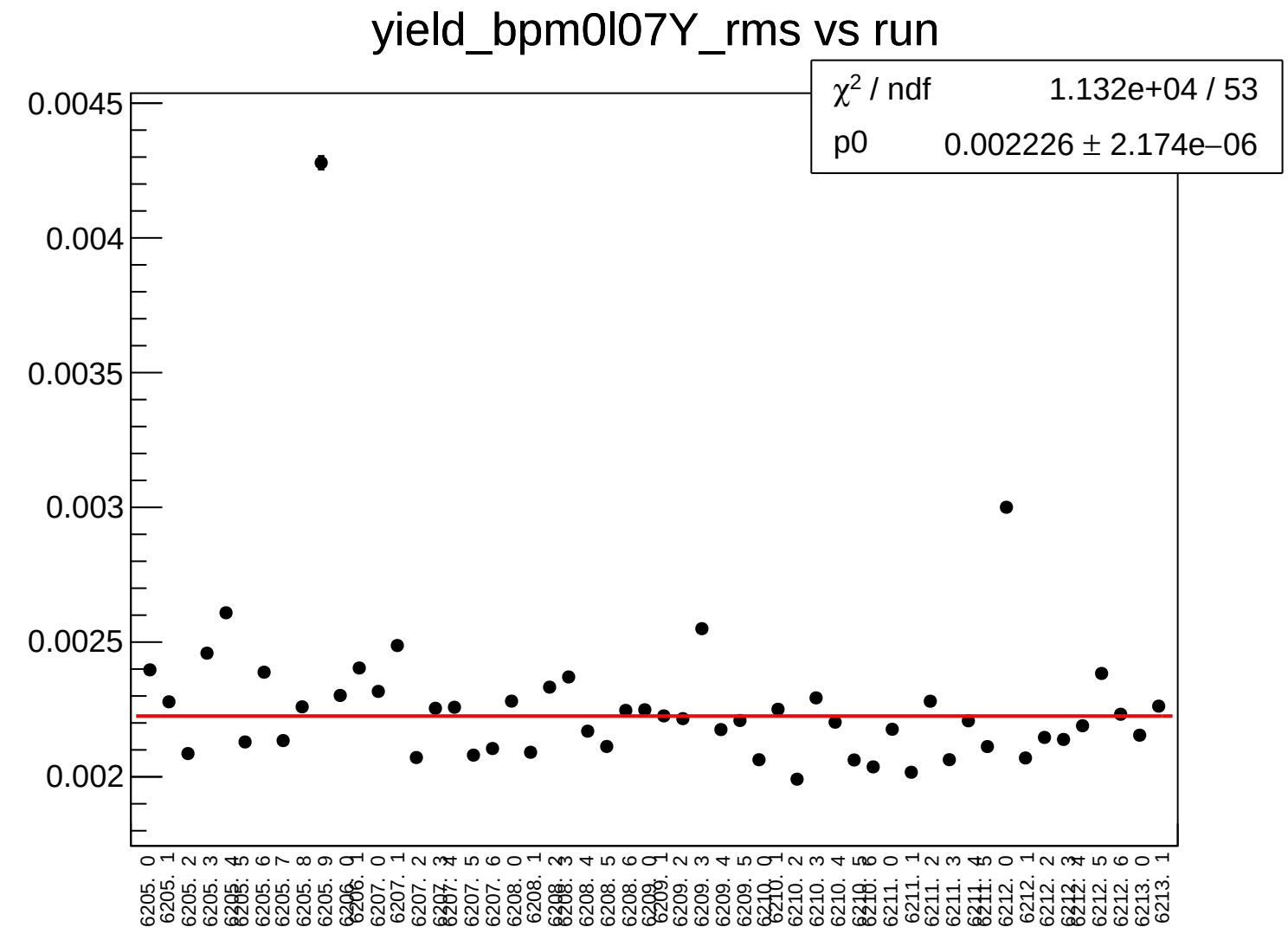

yield_bpm0l07X_mean vs run
χ² / ndf 2.594e+05 / 53
p0 −0.1705 ± 1.46e−05
−0.16
−0.165
−0.17
−0.175
−0.18
−0.185
−0.19
pull
Entries 54
Mean 2012
Std Dev 0
100
50
0
−50
−100

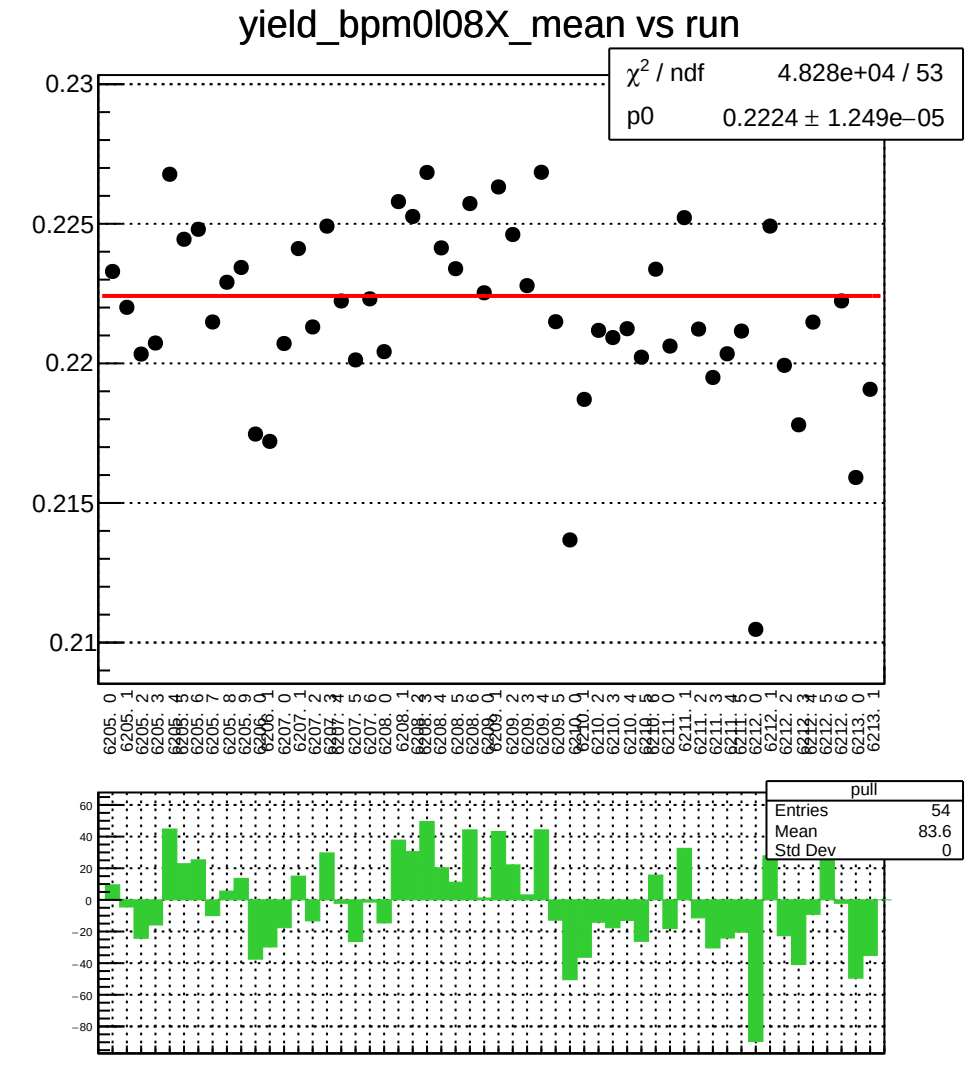

pull1D
Entries 54
Mean −1.284
Std Dev 3.593
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

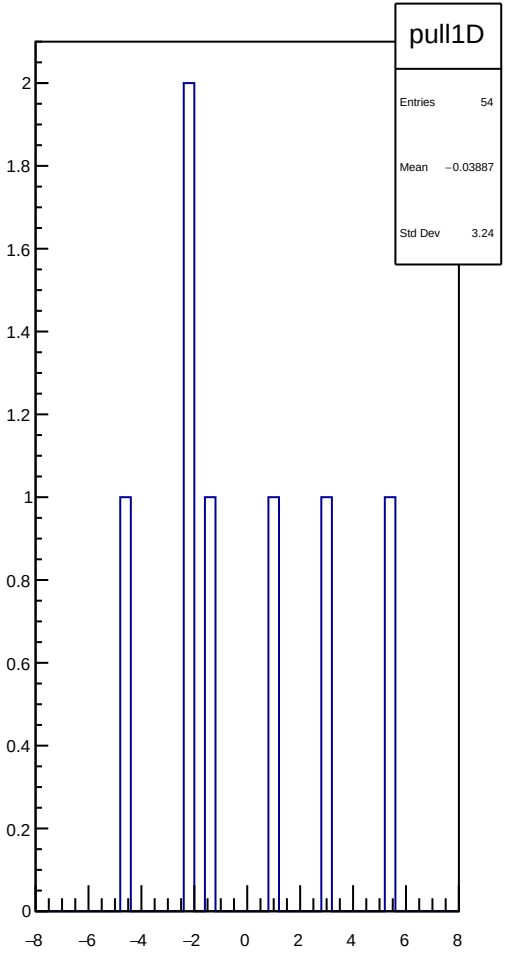

yield_bpm0l07X_rms vs run
χ² / ndf 1.99e+04 / 53
p0 0.01053 ± 1.033e–05
0.02
0.018
0.016
0.014
0.012
0.01
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

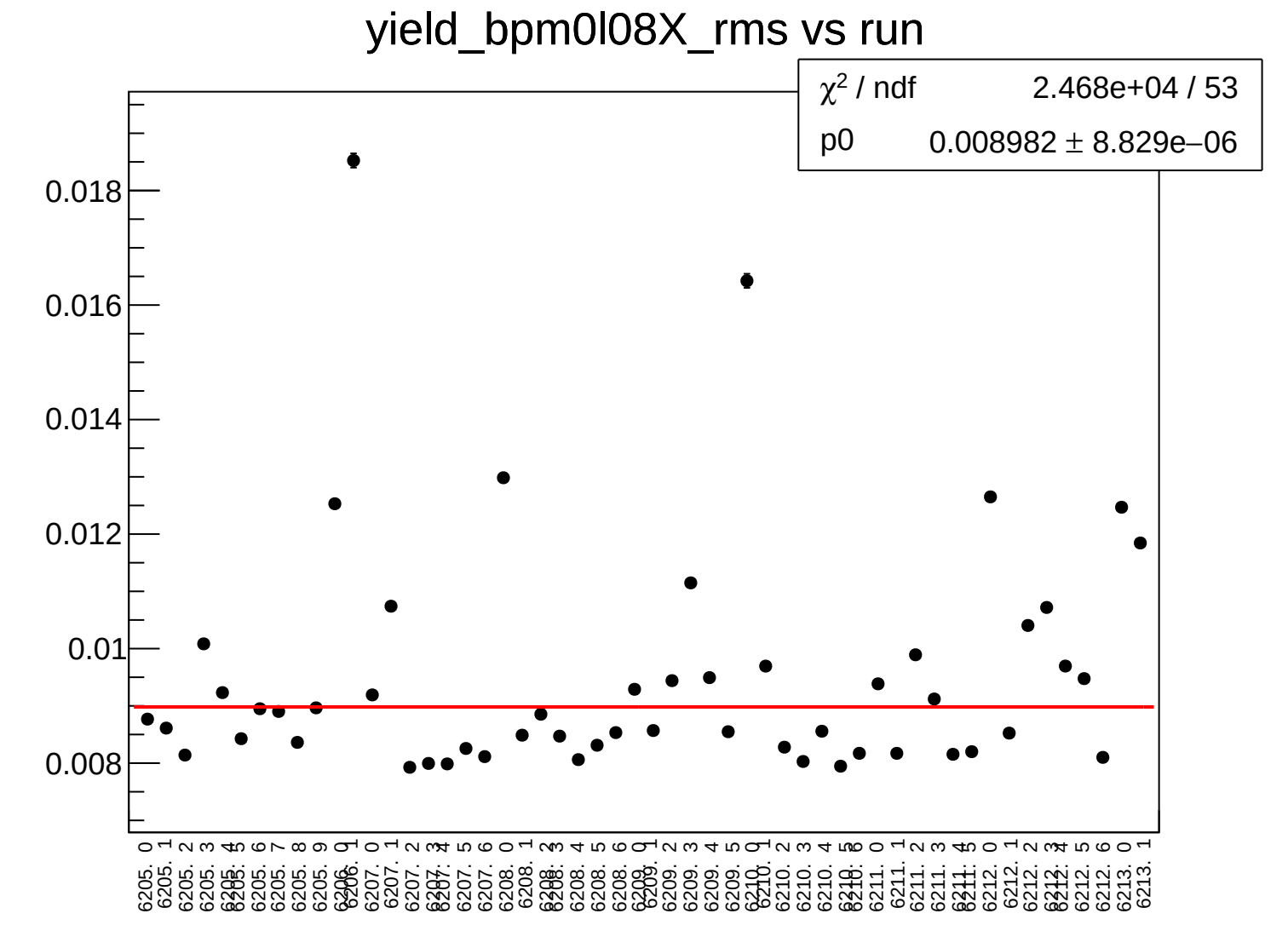

yield_bpm0l07Y_mean vs run
χ² / ndf 4.347e+05 / 53
p0 0.7623 ± 3.074e−06
0.766
0.764
0.762
0.76
0.758
0.756
0.754
pull
Entries 54
Mean −139.4
Std Dev 0
250
200
150
100
50
0
−50
−100
−150
−200

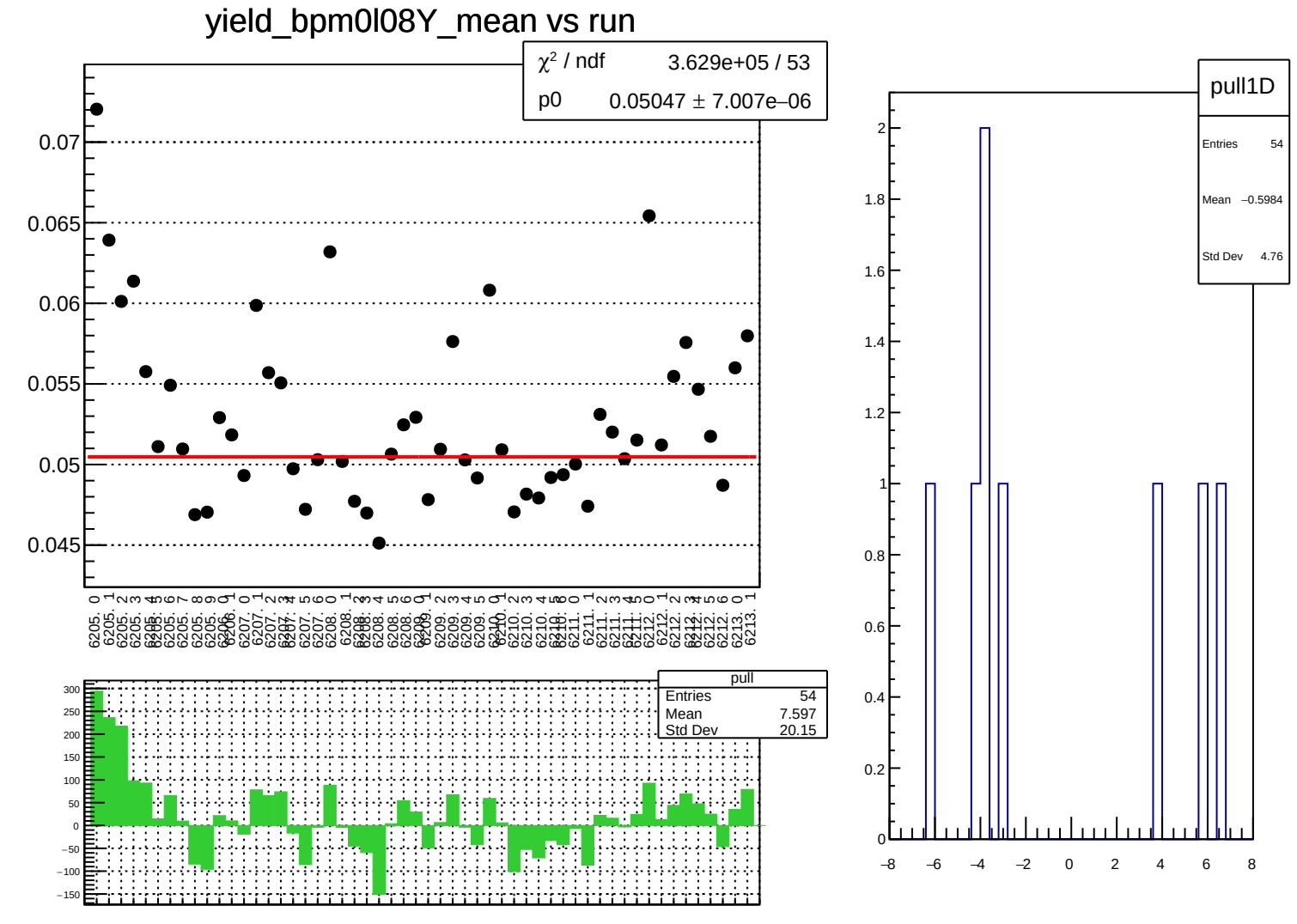

pull1D
Entries 54
Mean −2.891
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

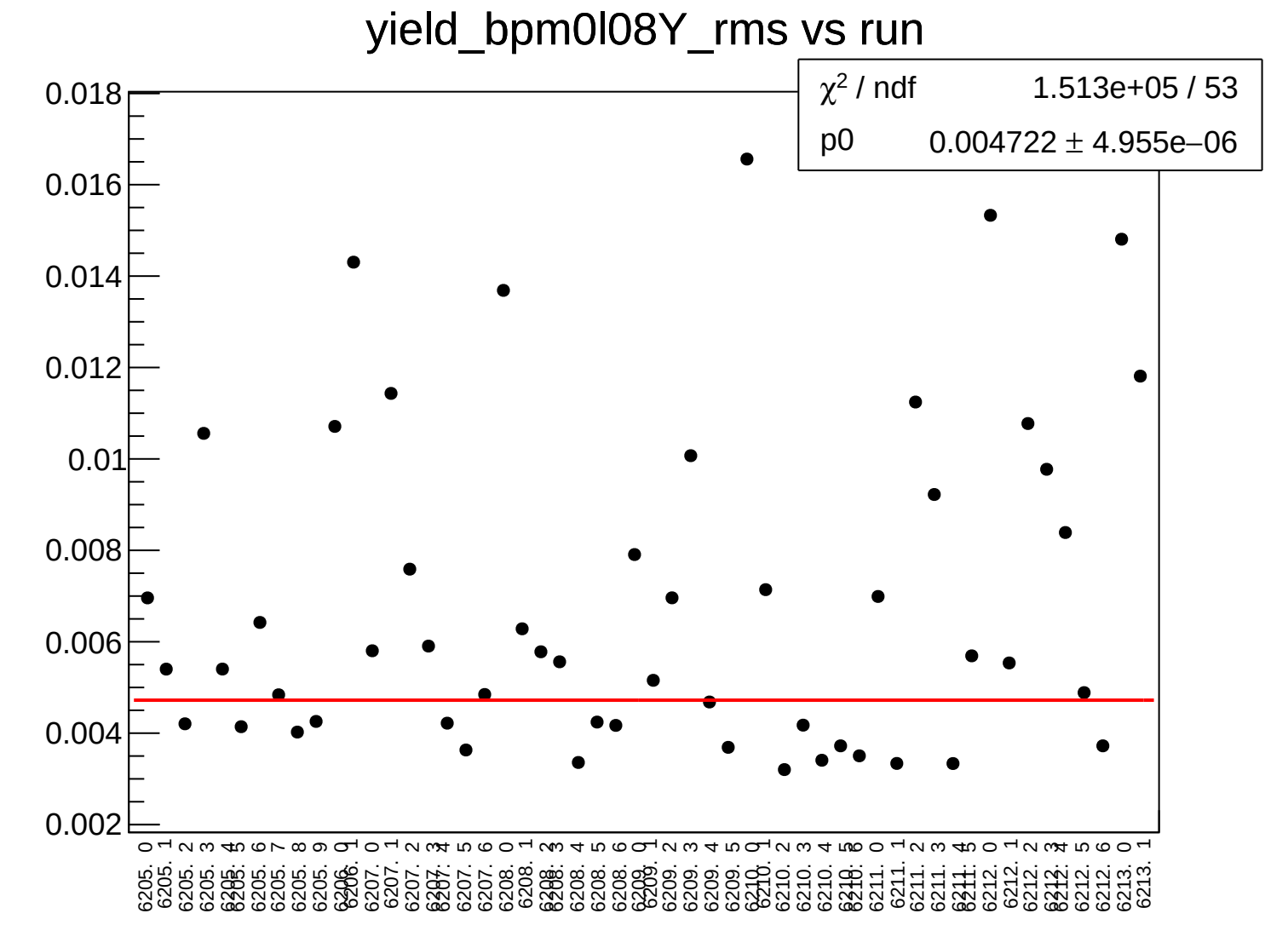

yield_bpm0l07Y_rms vs run
χ² / ndf 1.132e+04 / 53
p0 0.002226 ± 2.174e−06
0.0045
0.004
0.0035
0.003
0.0025
0.002
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

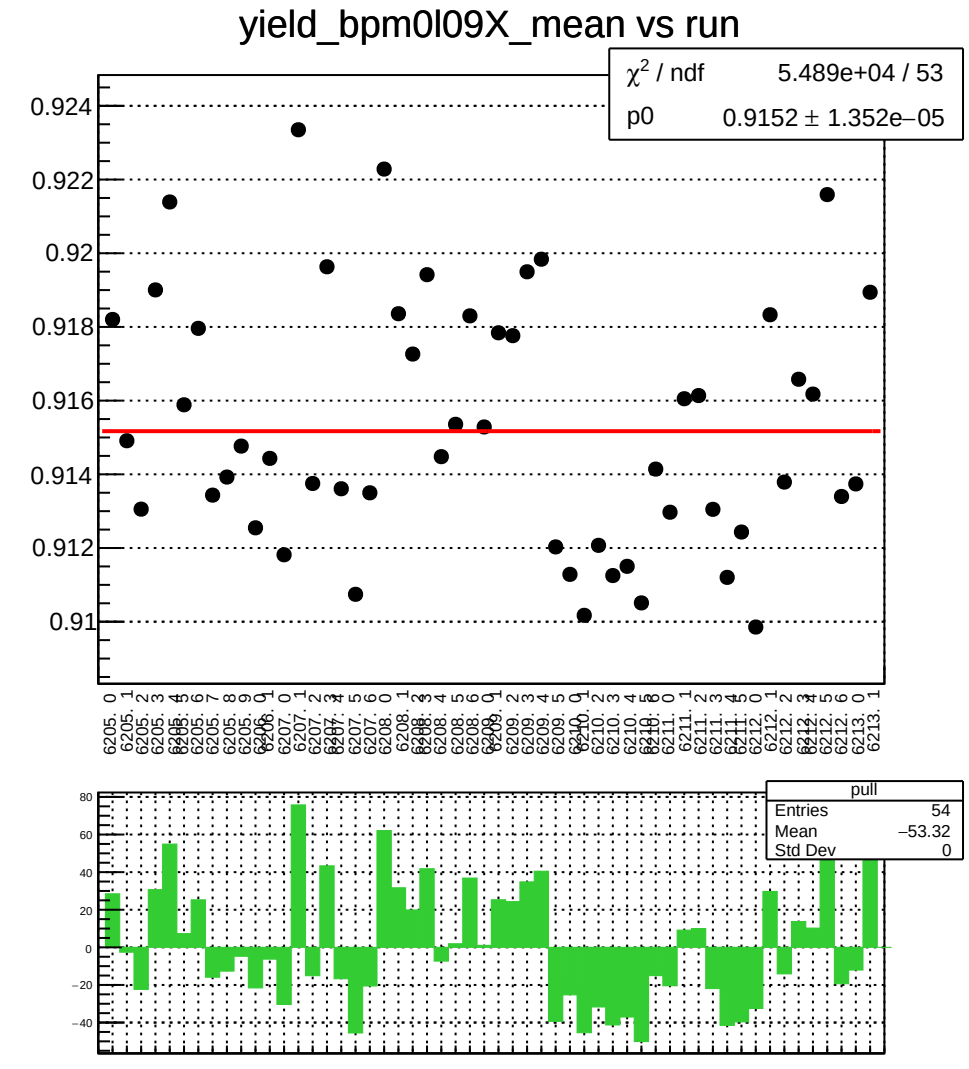

yield_bpm0l08X_mean vs run
χ² / ndf 4.828e+04 / 53
p0 0.2224 ± 1.249e−05
0.23
0.225
0.22
0.215
0.21
pull
Entries 54
Mean 83.6
Std Dev 0
60
40
20
0
−20
−40
−60
−80

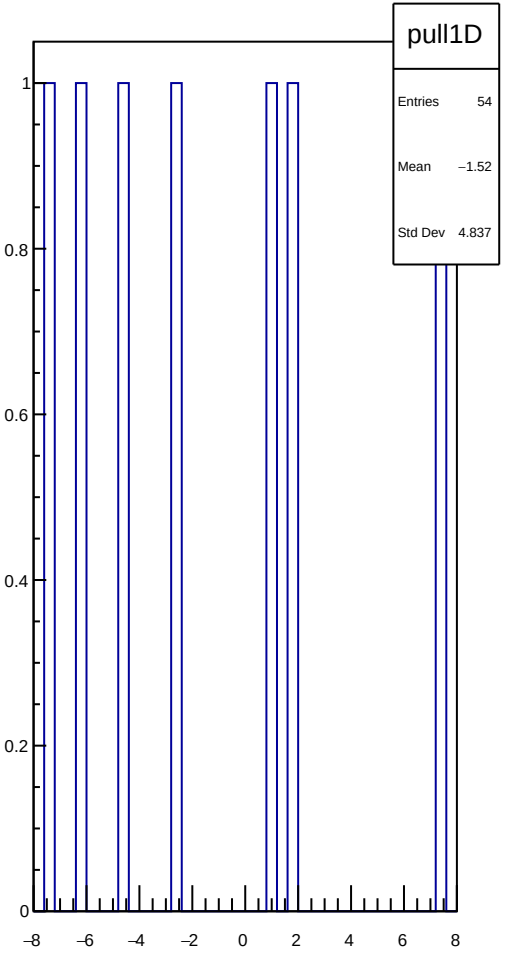

pull1D
Entries 54
Mean −0.03887
Std Dev 3.24
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

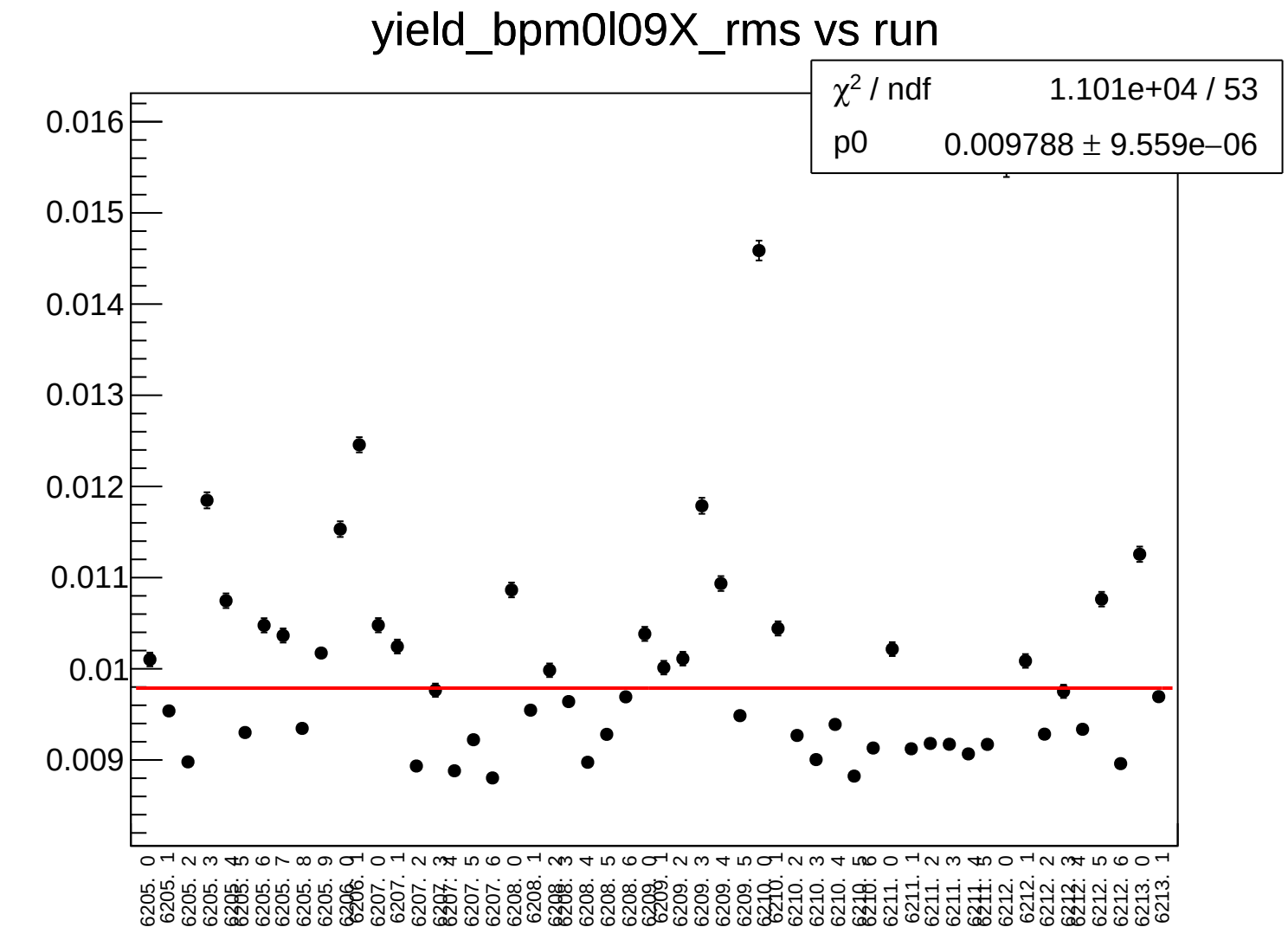

yield_bpm0l08X_rms vs run
χ² / ndf 2.468e+04 / 53
p0 0.008982 ± 8.829e−06
0.018
0.016
0.014
0.012
0.01
0.008

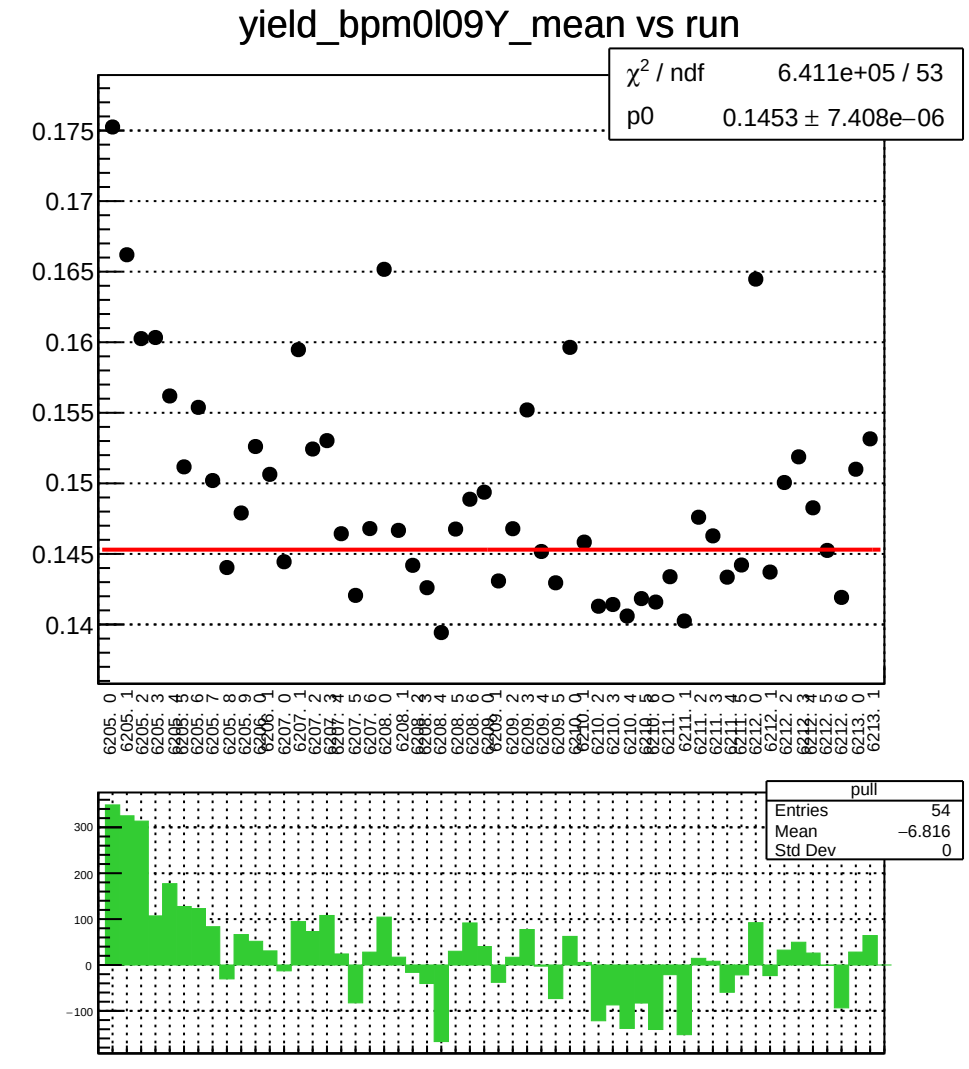

yield_bpm0l08Y_mean vs run
χ² / ndf 3.629e+05 / 53
p0 0.05047 ± 7.007e−06
0.07
0.065
0.06
0.055
0.05
0.045
pull
Entries 54
Mean 7.597
Std Dev 20.15
300
250
200
150
100
50
0
−50
−100
−150
pull1D
Entries 54
Mean −0.5984
Std Dev 4.76
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

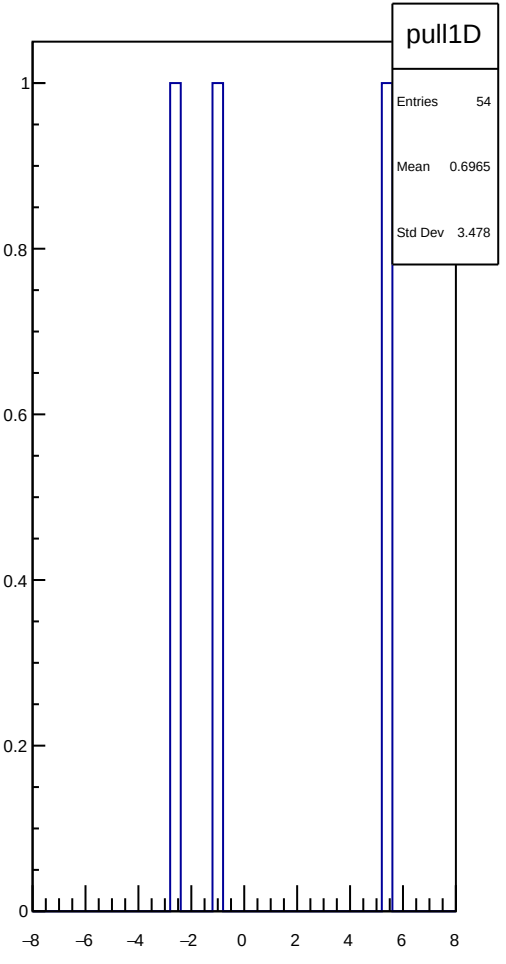

yield_bpm0l08Y_rms vs run
χ² / ndf 1.513e+05 / 53
p0 0.004722 ± 4.955e−06
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 1
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 1
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

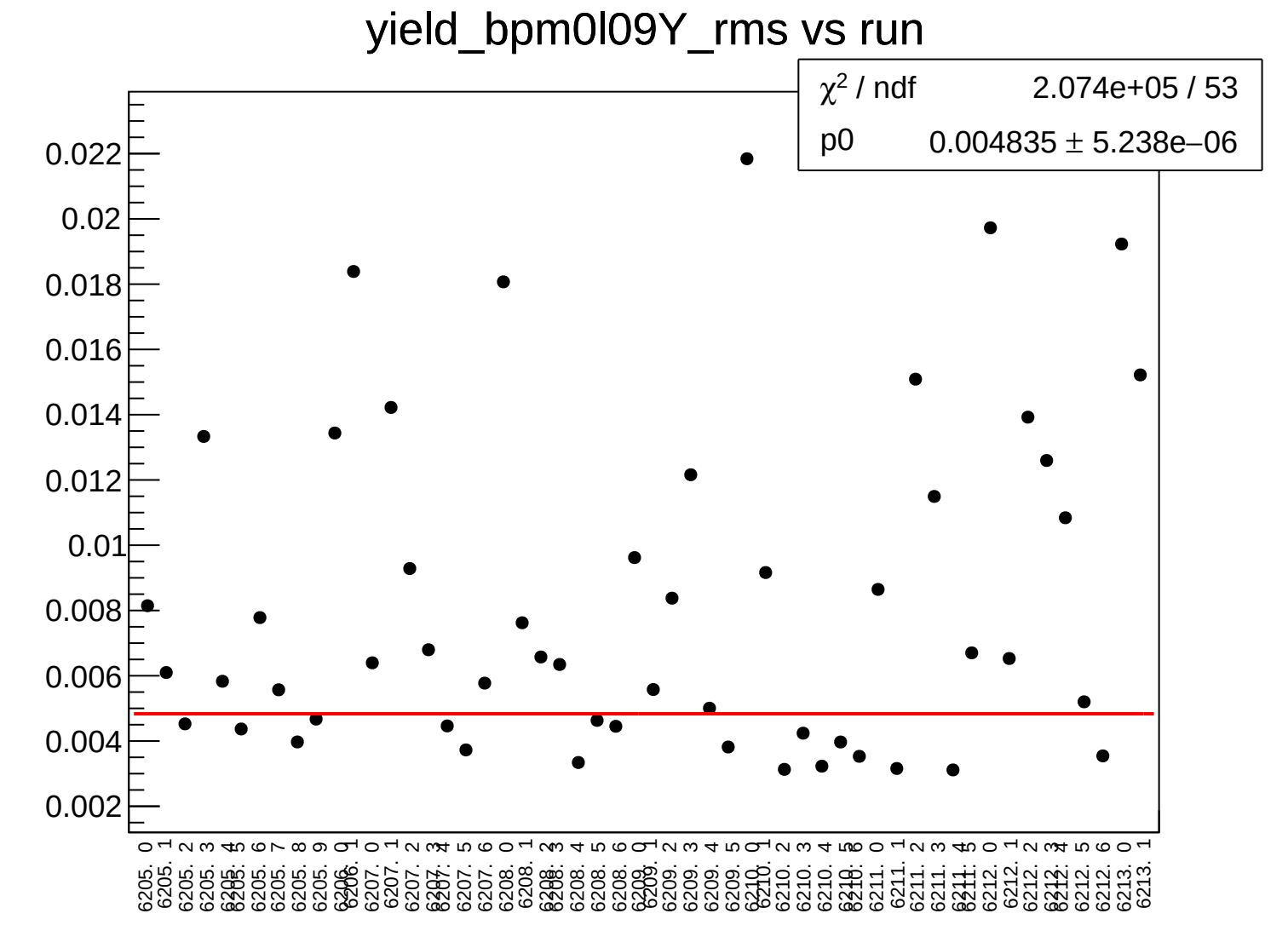

yield_bpm0l09X_mean vs run
χ² / ndf 5.489e+04 / 53
p0 0.9152 ± 1.352e−05
0.924
0.922
0.92
0.918
0.916
0.914
0.912
0.91
pull
Entries 54
Mean −53.32
Std Dev 0
80
60
40
20
0
−20
−40

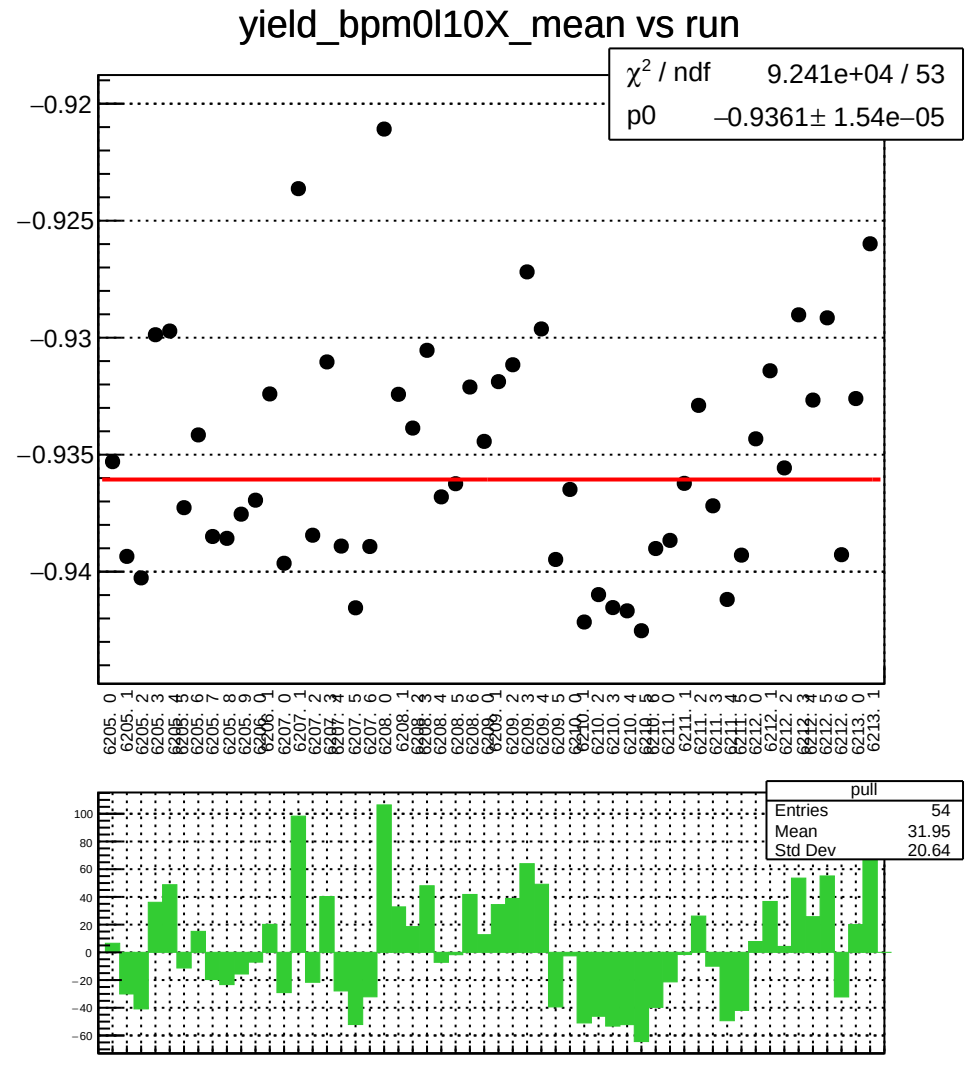

pull1D
Entries 54
Mean −1.52
Std Dev 4.837
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

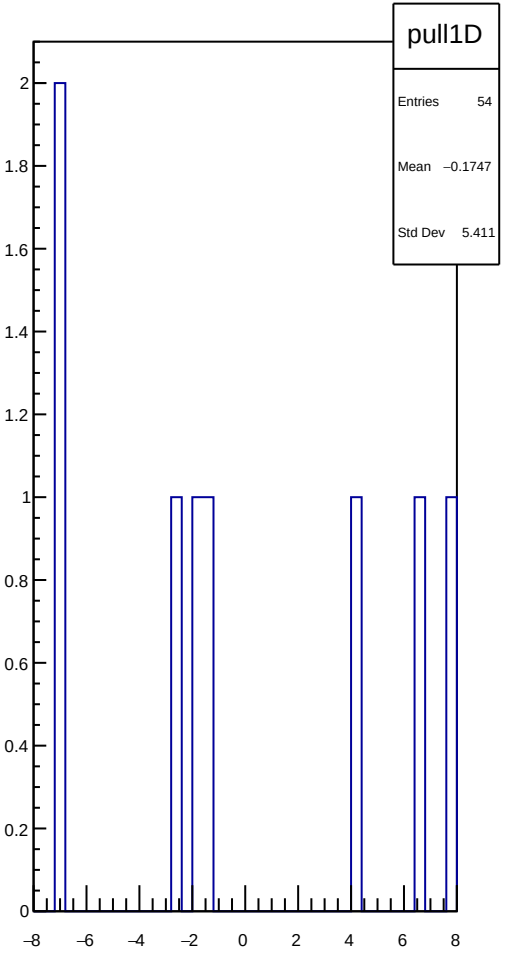

yield_bpm0l09X_rms vs run
χ² / ndf 1.101e+04 / 53
p0 0.009788 ± 9.559e−06
0.016
0.015
0.014
0.013
0.012
0.011
0.01
0.009
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

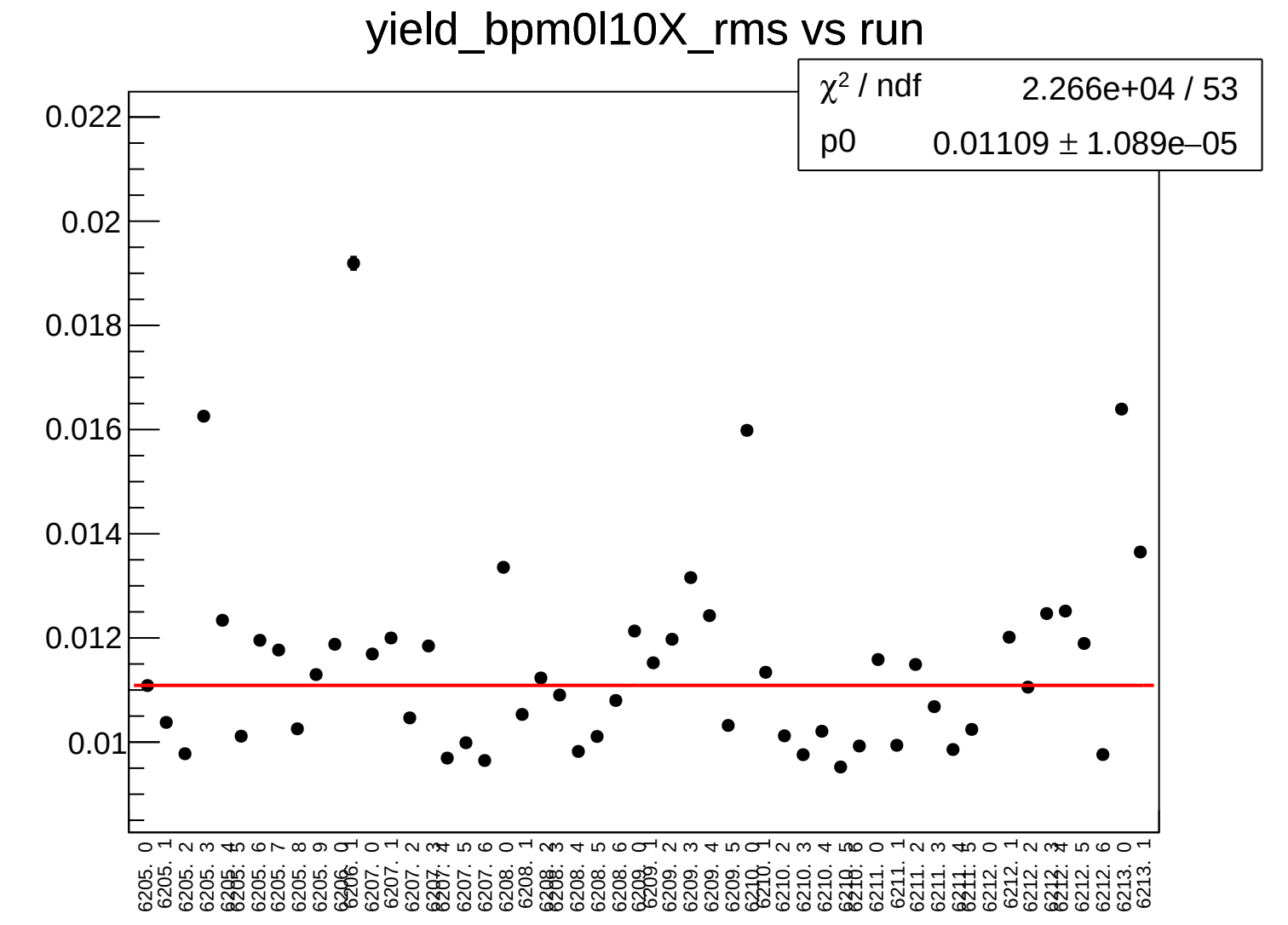

yield_bpm0l09Y_mean vs run
χ² / ndf 6.411e+05 / 53
p0 0.1453 ± 7.408e−06
0.175
0.17
0.165
0.16
0.155
0.15
0.145
0.14
pull
Entries 54
Mean −6.816
Std Dev 0
300
200
100
0
−100

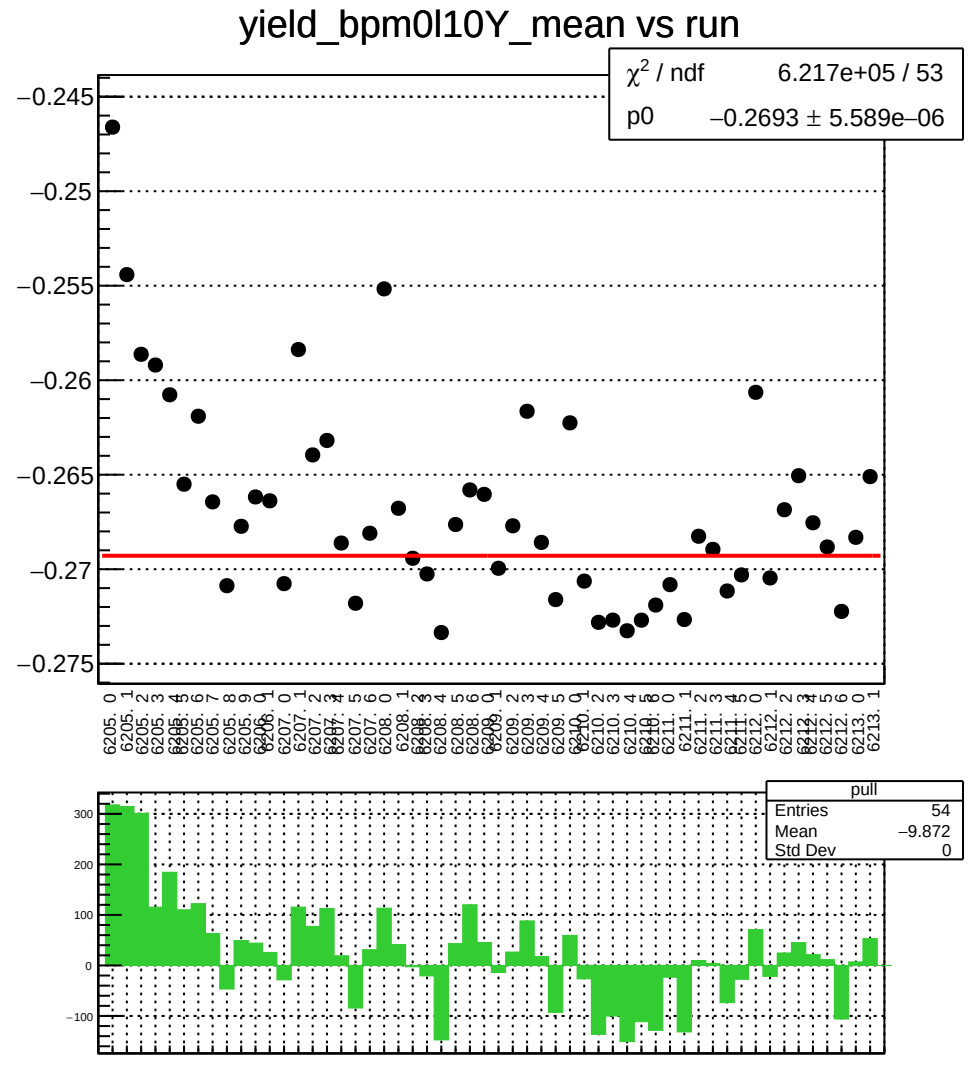

pull1D
Entries 54
Mean 0.6965
Std Dev 3.478
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

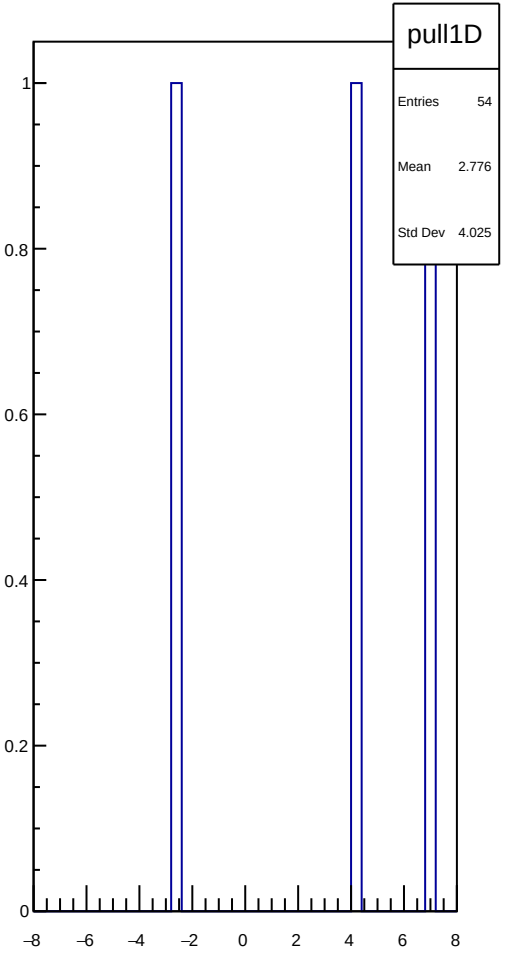

yield_bpm0l09Y_rms vs run
χ² / ndf 2.074e+05 / 53
p0 0.004835 ± 5.238e−06
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 1
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 1
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

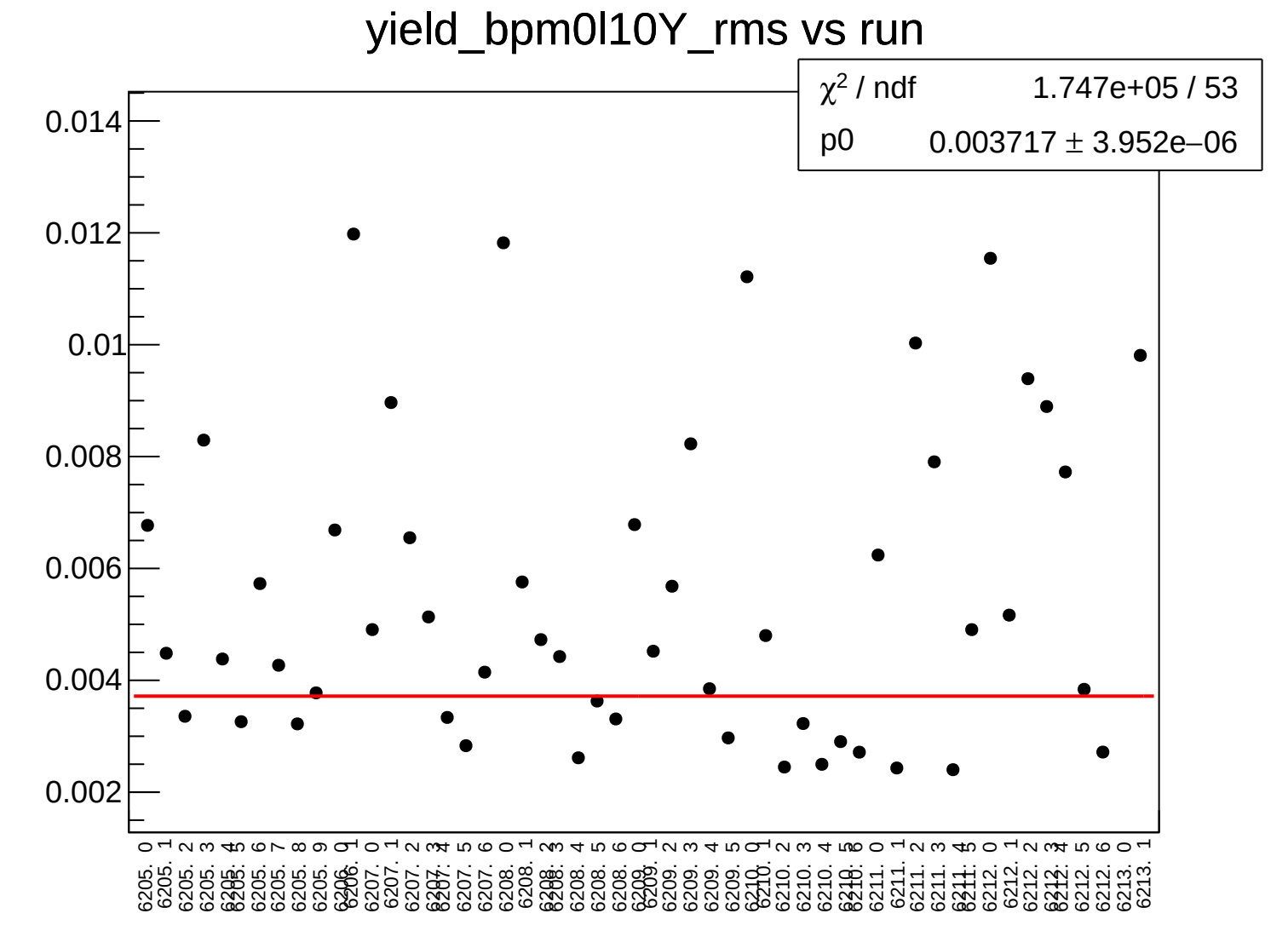

yield_bpm0l10X_mean vs run
χ² / ndf 9.241e+04 / 53
p0 −0.9361± 1.54e−05
−0.92
−0.925
−0.93
−0.935
−0.94
pull
Entries 54
Mean 31.95
Std Dev 20.64
100
80
60
40
20
0
−20
−40
−60

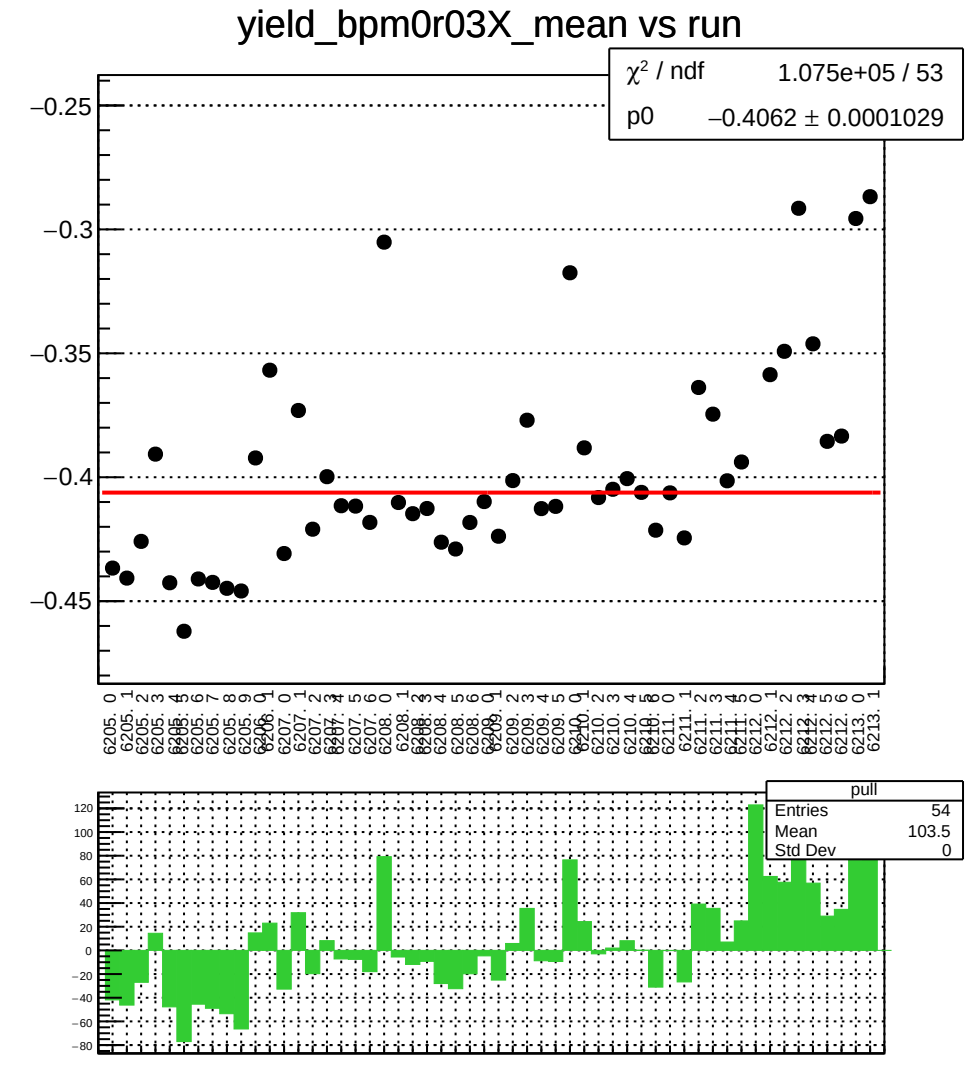

pull1D
Entries 54
Mean −0.1747
Std Dev 5.411
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

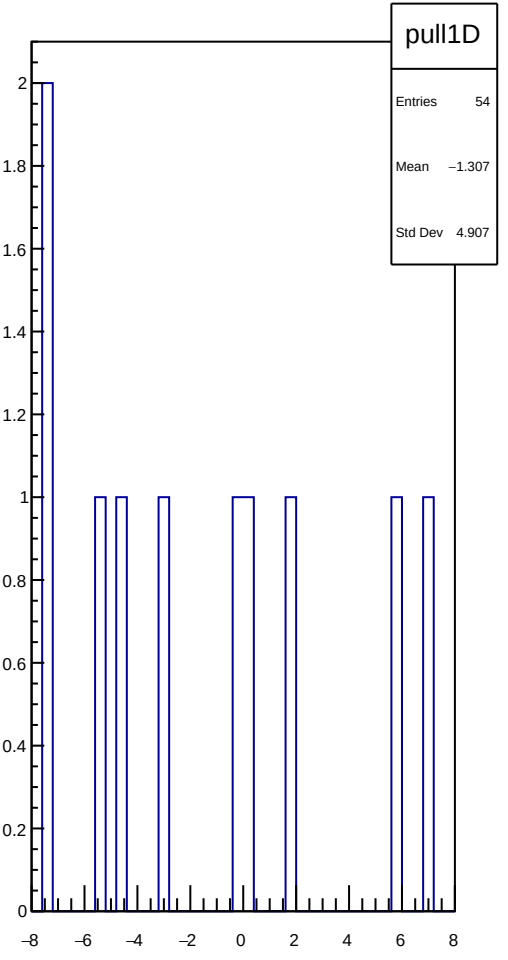

yield_bpm0l10X_rms vs run
χ² / ndf 2.266e+04 / 53
p0 0.01109 ± 1.089e−05
0.022
0.02
0.018
0.016
0.014
0.012
0.01
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 1
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 1
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

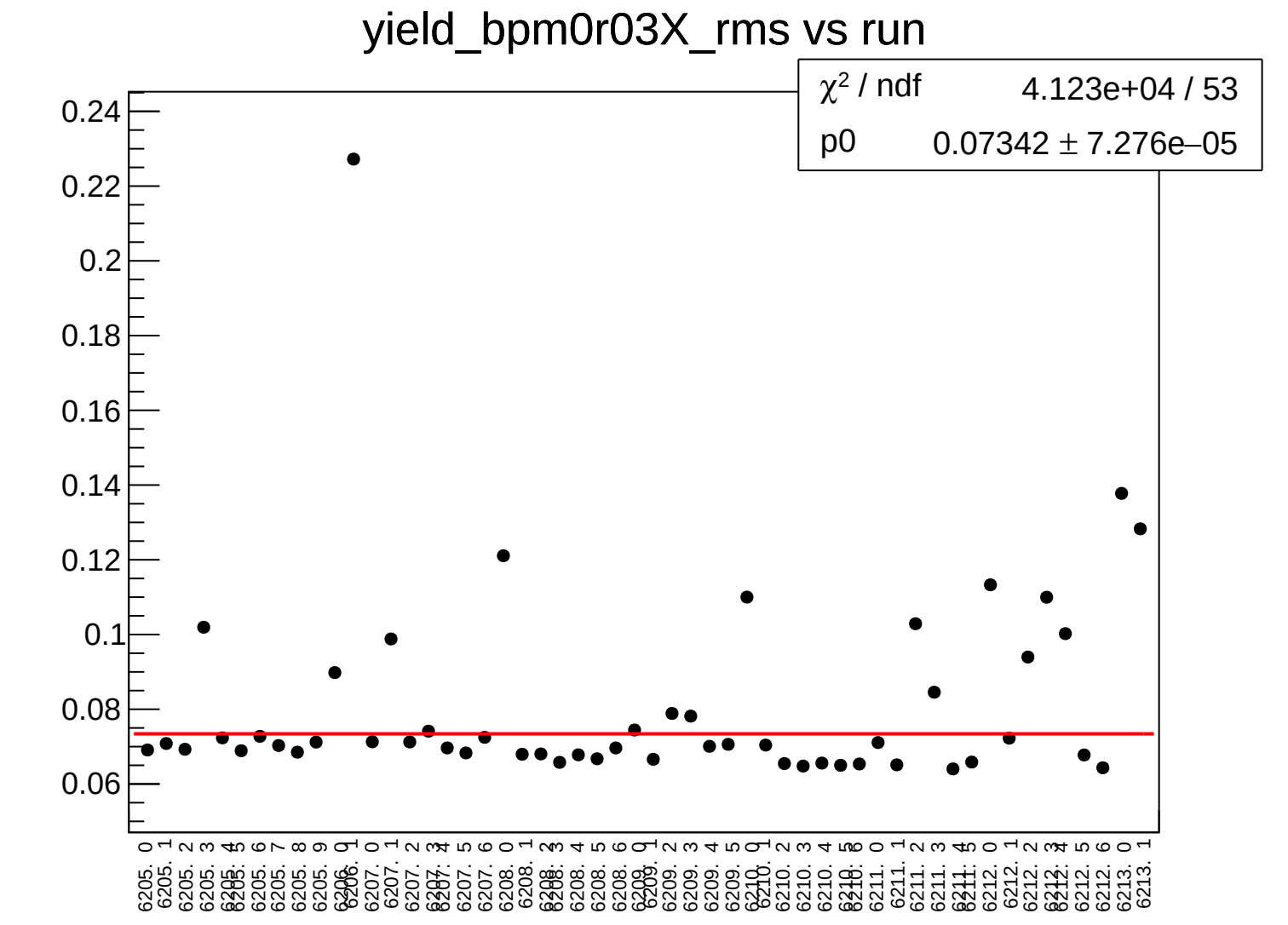

yield_bpm0l10Y_mean vs run
χ² / ndf 6.217e+05 / 53
p0 −0.2693 ± 5.589e−06
−0.245
−0.25
−0.255
−0.26
−0.265
−0.27
−0.275
pull
Entries 54
Mean −9.872
Std Dev 0
300
200
100
0
−100

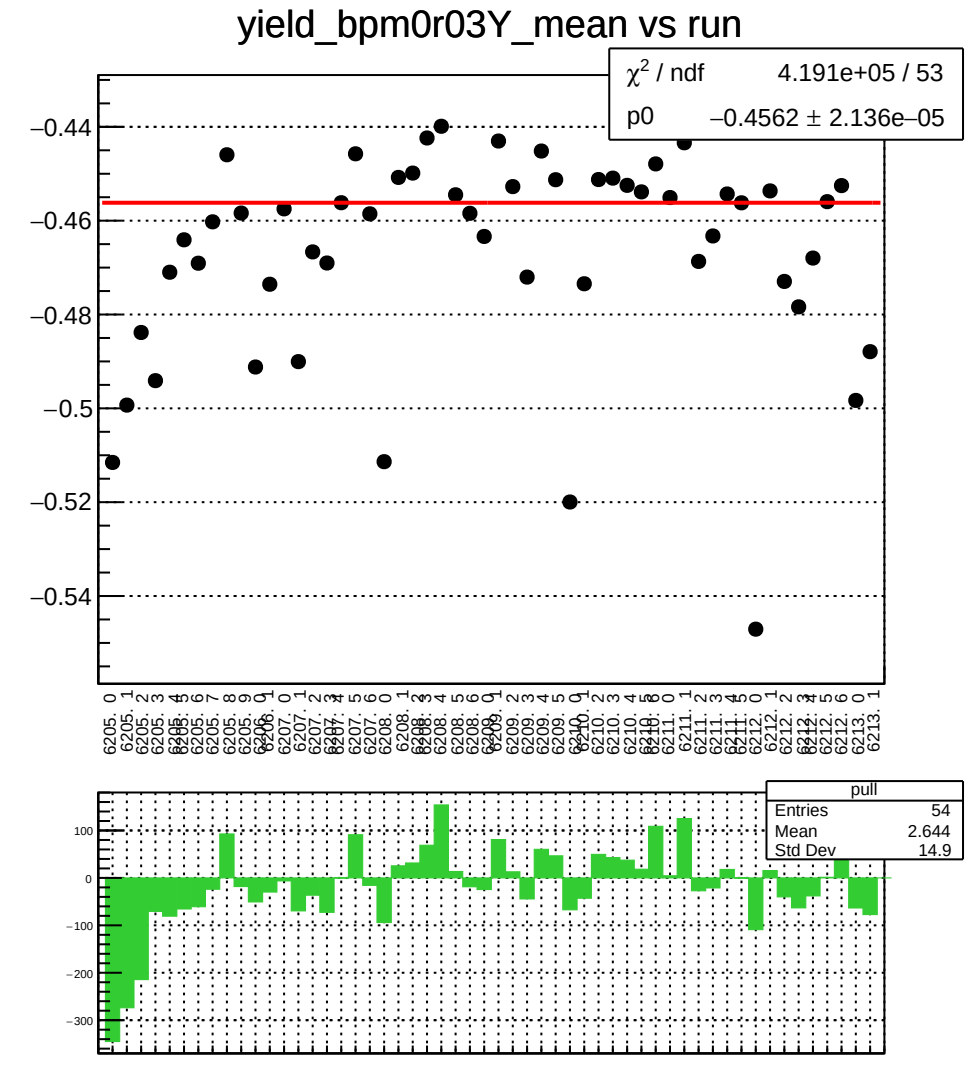

pull1D
Entries 54
Mean 2.776
Std Dev 4.025
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

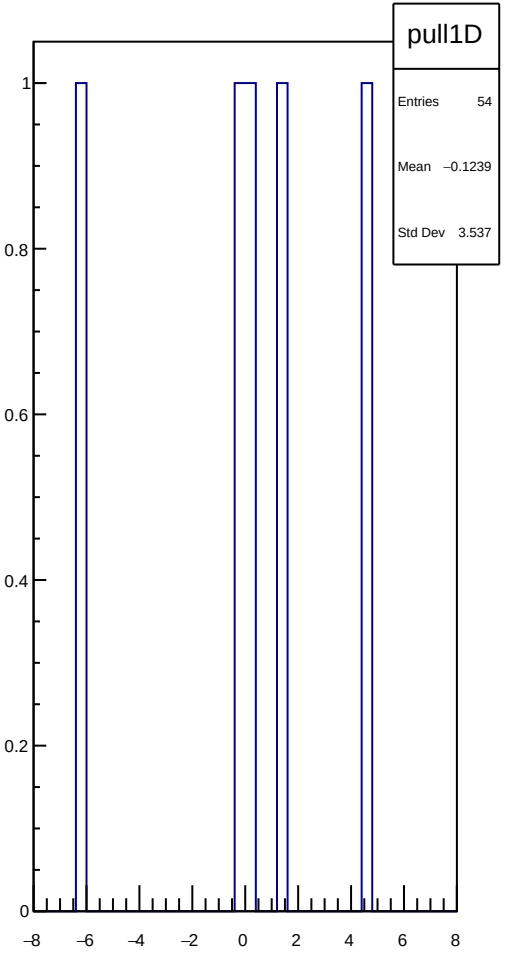

yield_bpm0l10Y_rms vs run
χ² / ndf 1.747e+05 / 53
p0 0.003717 ± 3.952e−06
0.014
0.012
0.01
0.008
0.006
0.004
0.002
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

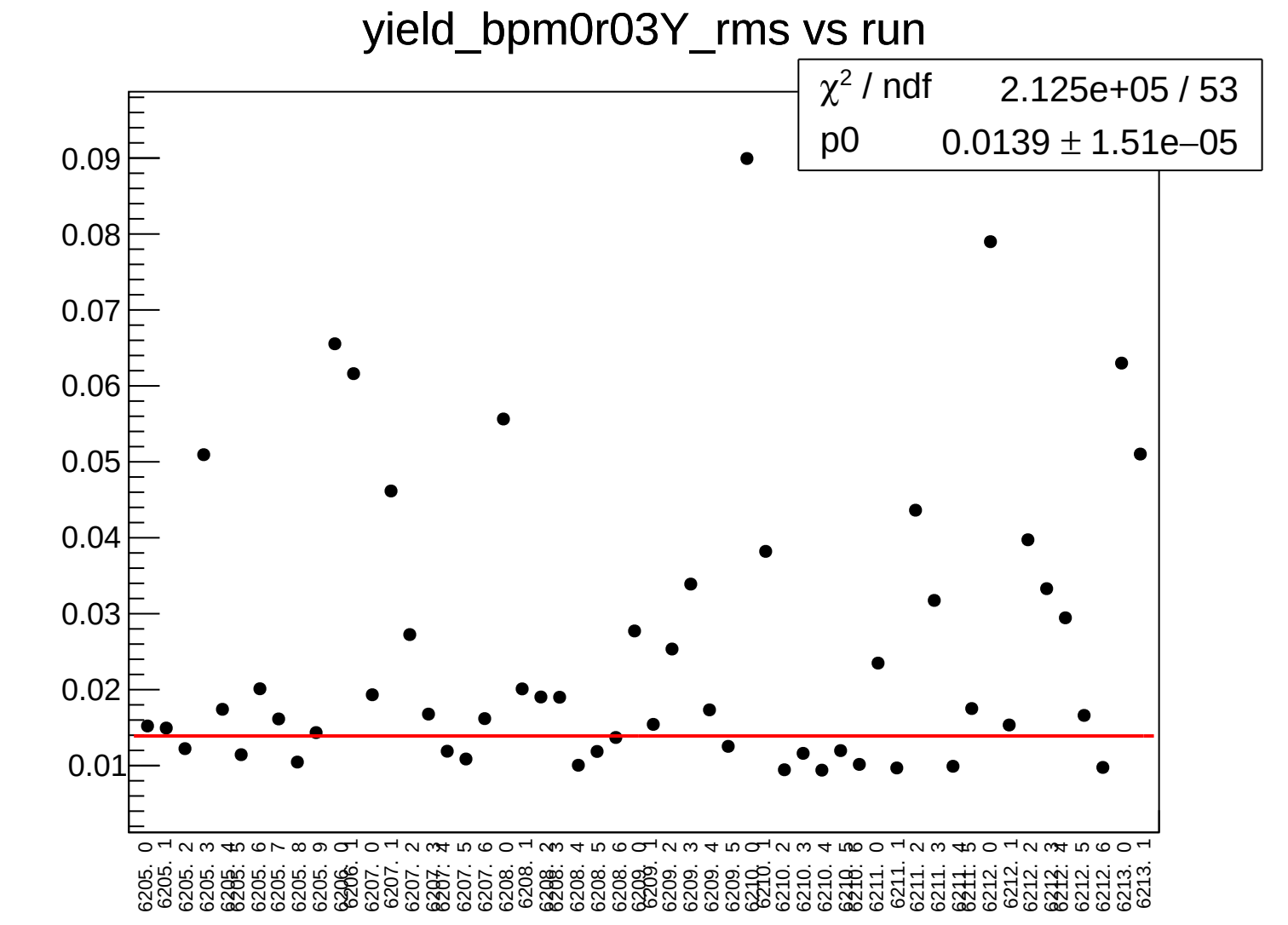

yield_bpm0r03X_mean vs run
χ² / ndf 1.075e+05 / 53
p0 −0.4062 ± 0.0001029
−0.25
−0.3
−0.35
−0.4
−0.45
pull
Entries 54
Mean 103.5
Std Dev 0
120
100
80
60
40
20
0
−20
−40
−60
−80

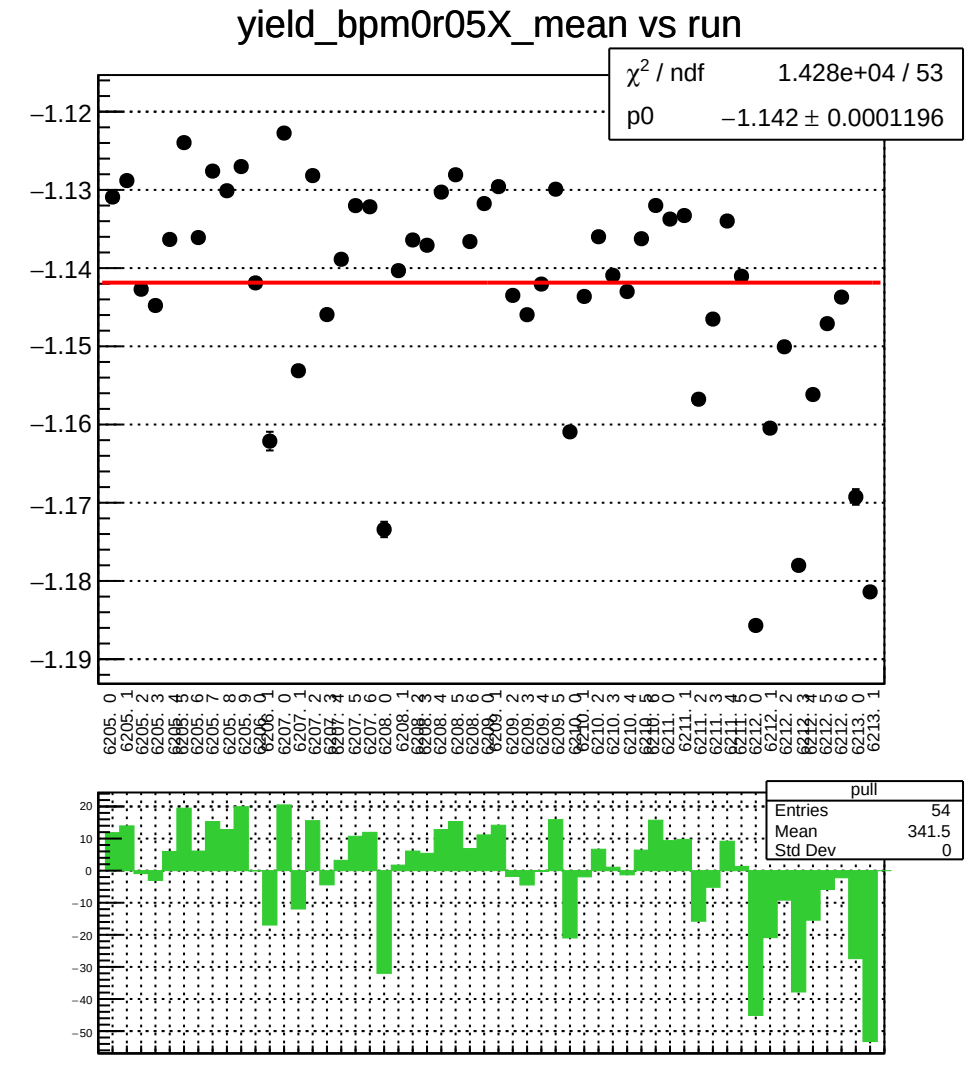

pull1D
Entries 54
Mean −1.307
Std Dev 4.907
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

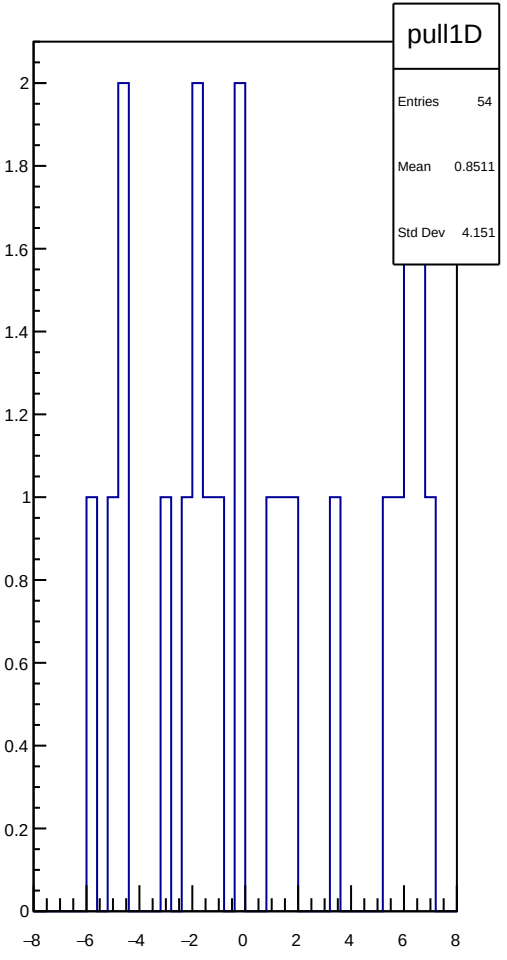

yield_bpm0r03X_rms vs run
χ² / ndf 4.123e+04 / 53
p0 0.07342 ± 7.276e–05
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

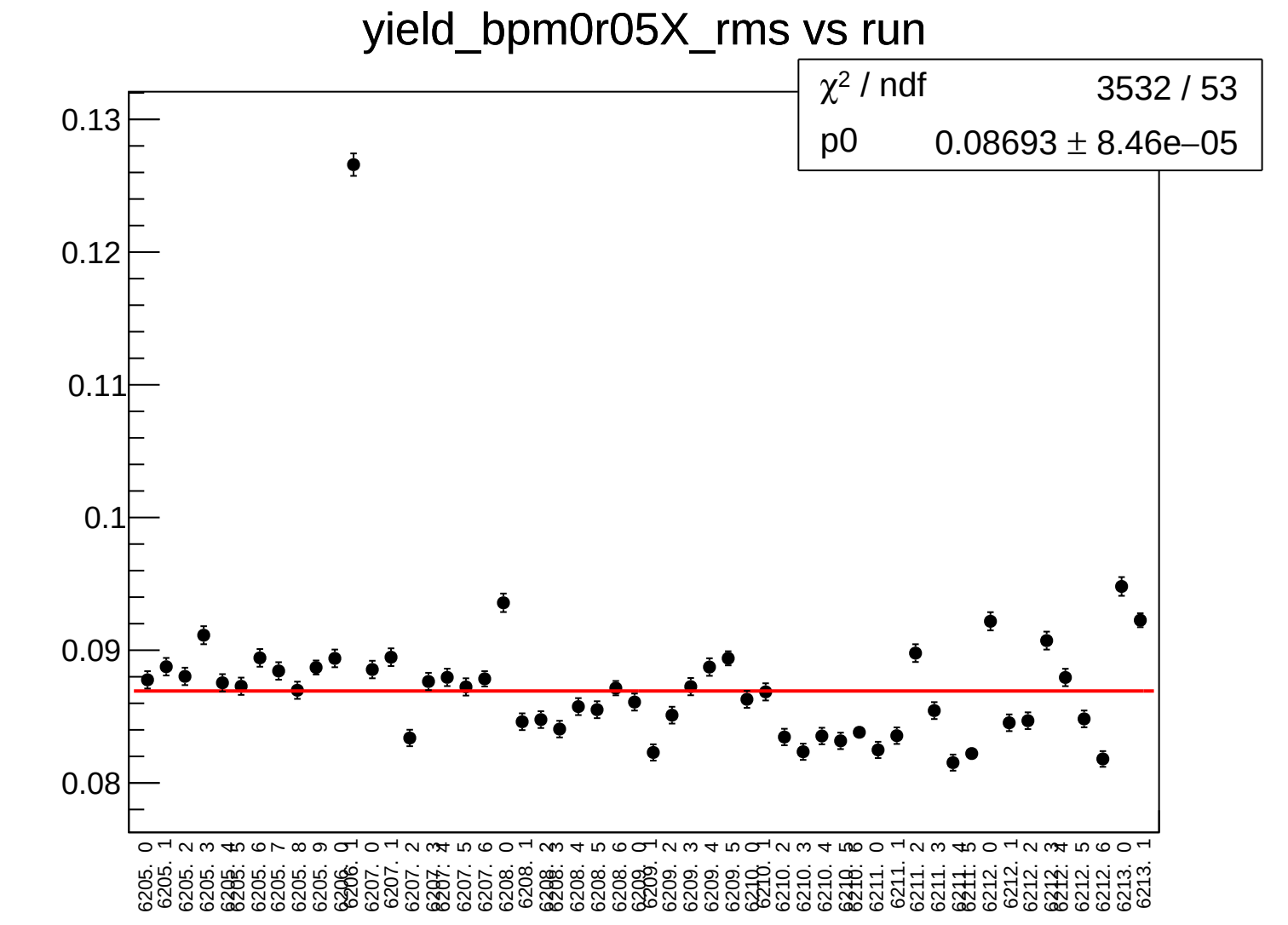

yield_bpm0r03Y_mean vs run
χ² / ndf 4.191e+05 / 53
p0 −0.4562 ± 2.136e−05
−0.44
−0.46
−0.48
−0.5
−0.52
−0.54
pull
Entries 54
Mean 2.644
Std Dev 14.9
100
0
−100
−200
−300

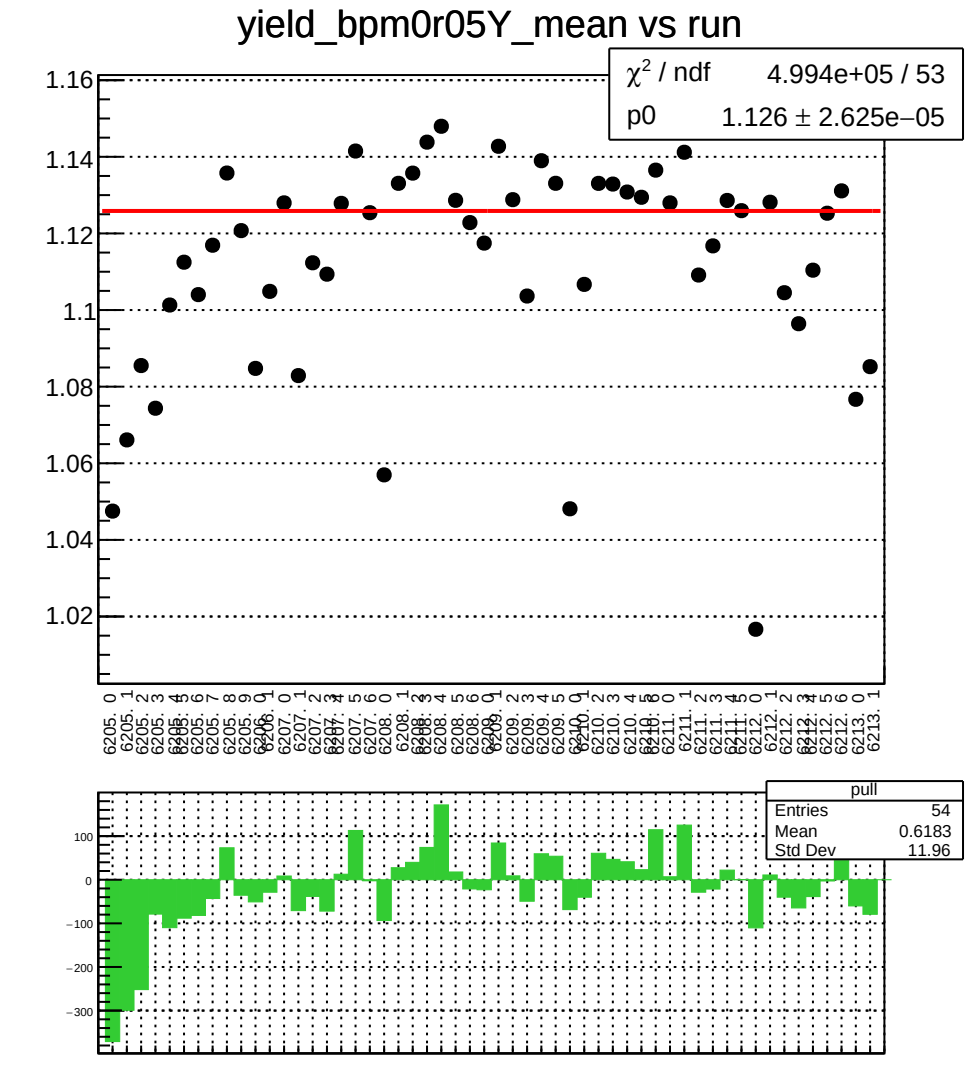

pull1D
Entries 54
Mean −0.1239
Std Dev 3.537
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

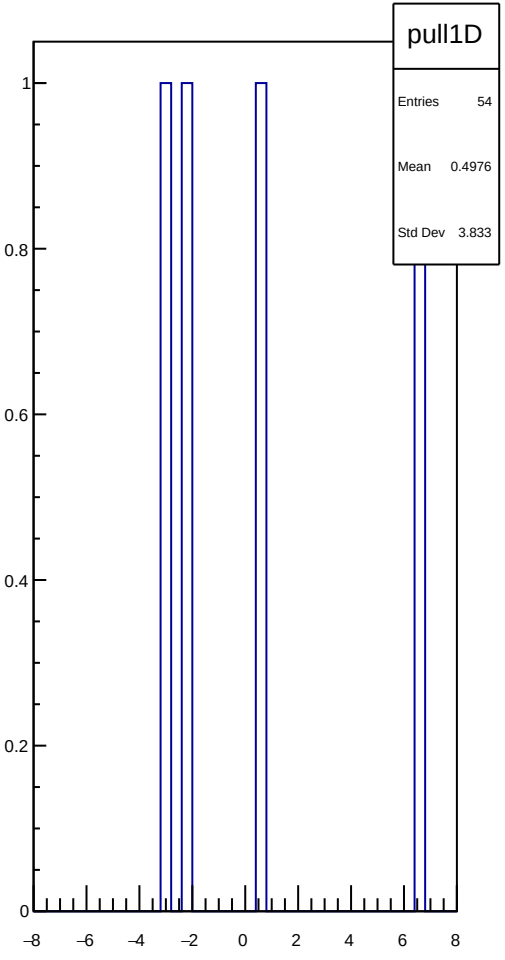

yield_bpm0r03Y_rms vs run
χ² / ndf 2.125e+05 / 53
p0 0.0139 ± 1.51e−05
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

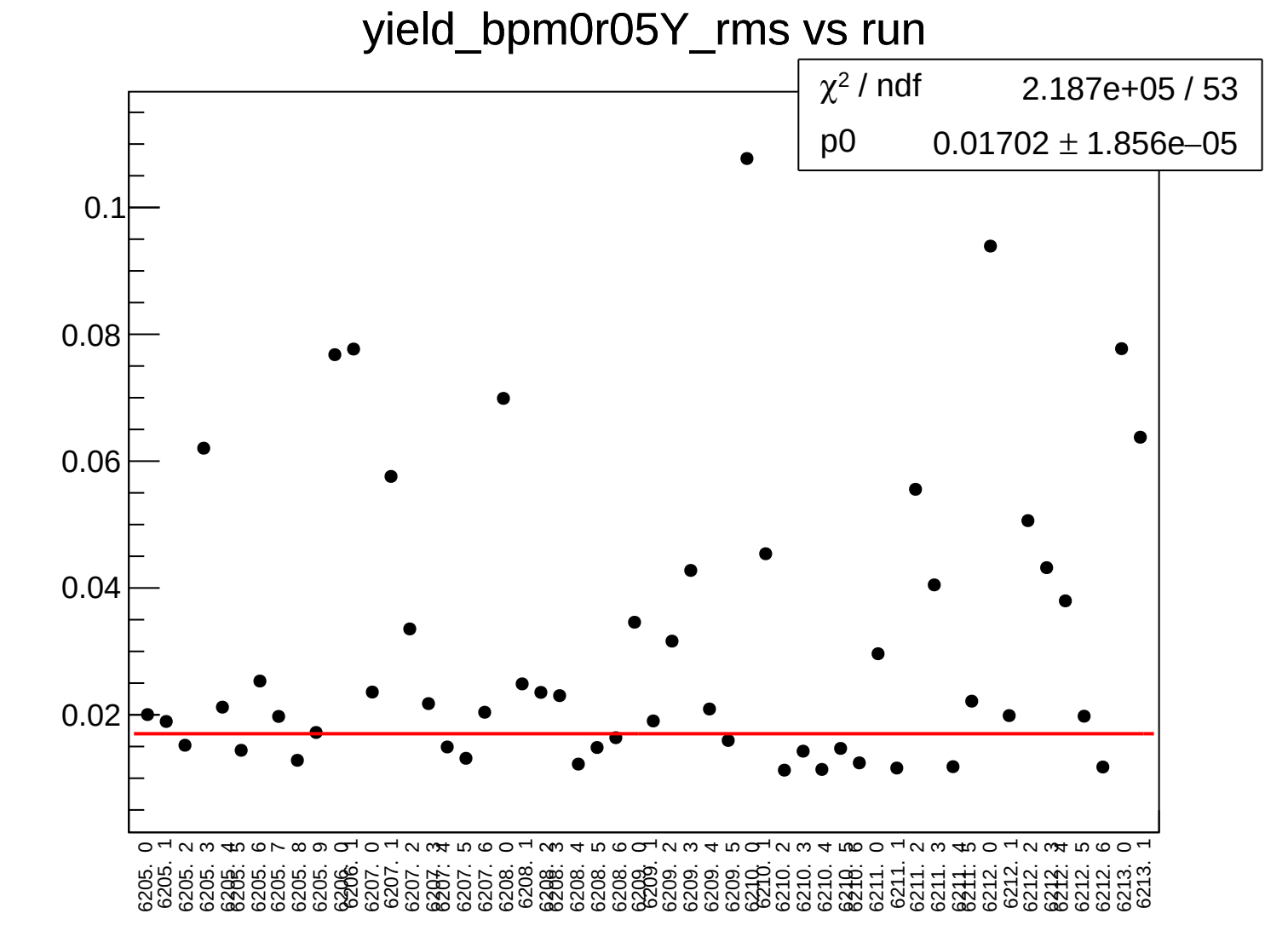

yield_bpm0r05X_mean vs run
χ² / ndf 1.428e+04 / 53
p0 −1.142 ± 0.0001196
−1.12
−1.13
−1.14
−1.15
−1.16
−1.17
−1.18
−1.19
pull
Entries 54
Mean 341.5
Std Dev 0
20
10
0
−10
−20
−30
−40
−50

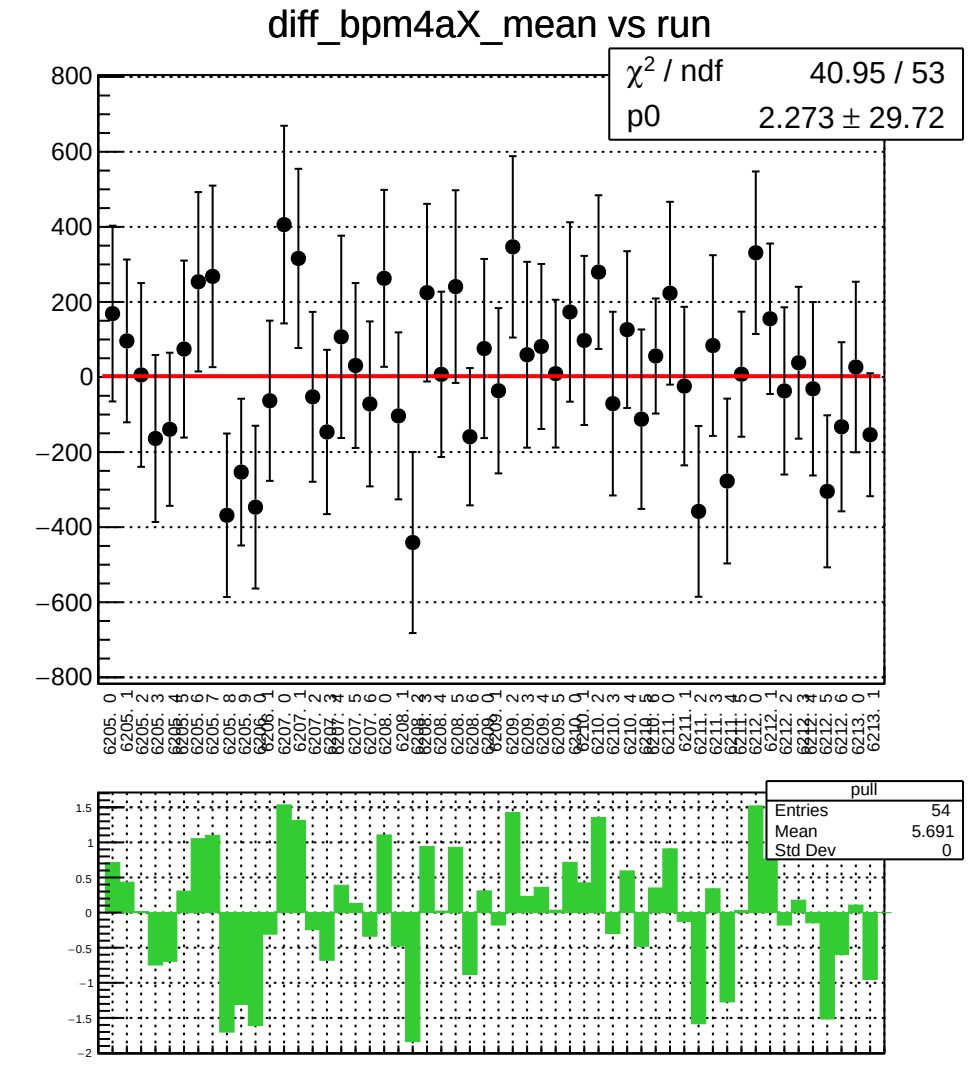

pull1D
Entries 54
Mean 0.8511
Std Dev 4.151
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

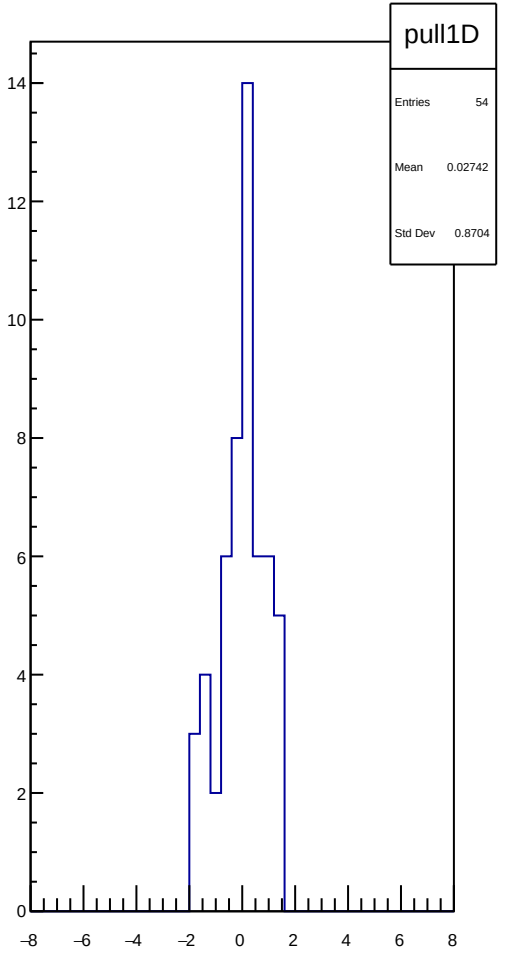

yield_bpm0r05X_rms vs run
χ² / ndf 3532 / 53
p0 0.08693 ± 8.46e−05
0.13
0.12
0.11
0.1
0.09
0.08
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

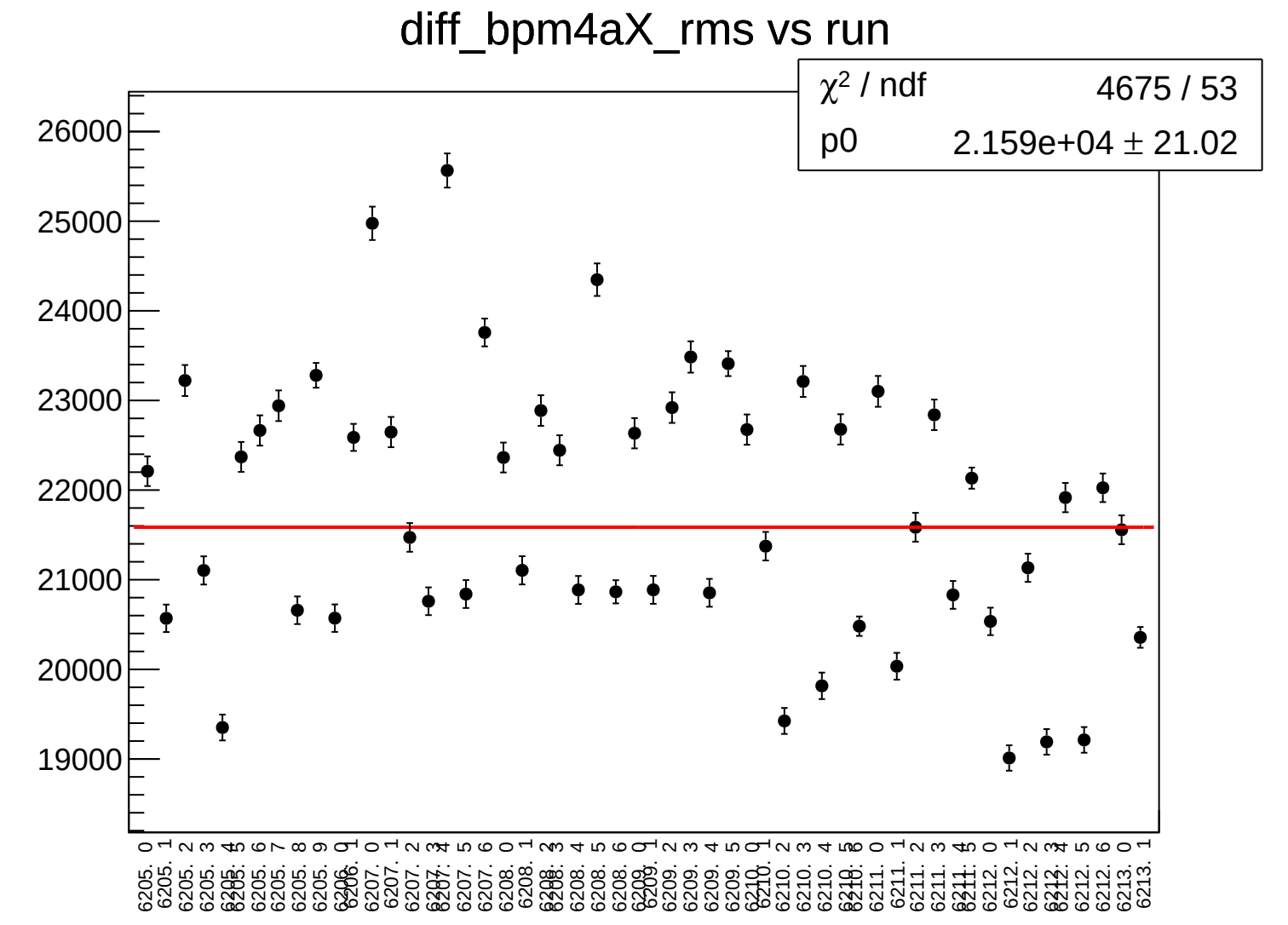

yield_bpm0r05Y_mean vs run
χ² / ndf 4.994e+05 / 53
p0 1.126 ± 2.625e−05
pull
Entries 54
Mean 0.6183
Std Dev 11.96

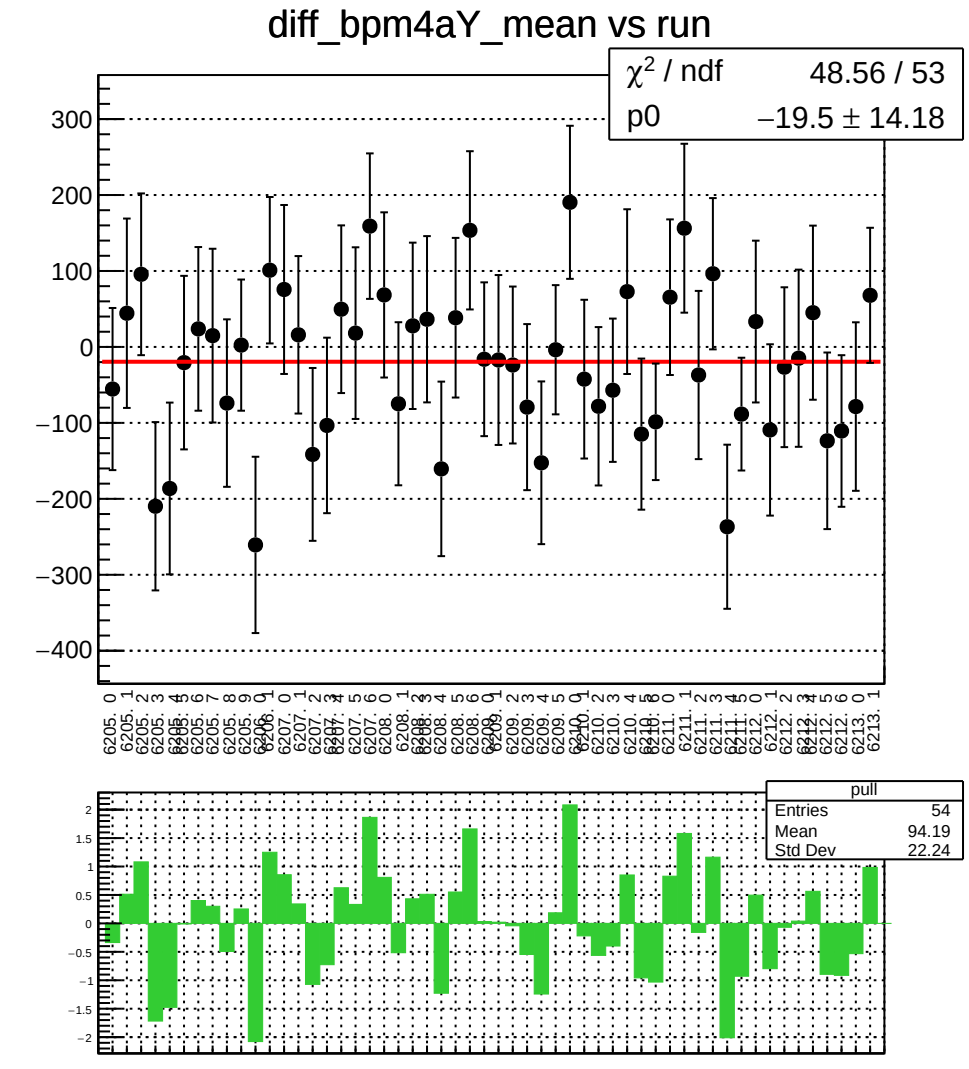

pull1D
Entries 54
Mean 0.4976
Std Dev 3.833

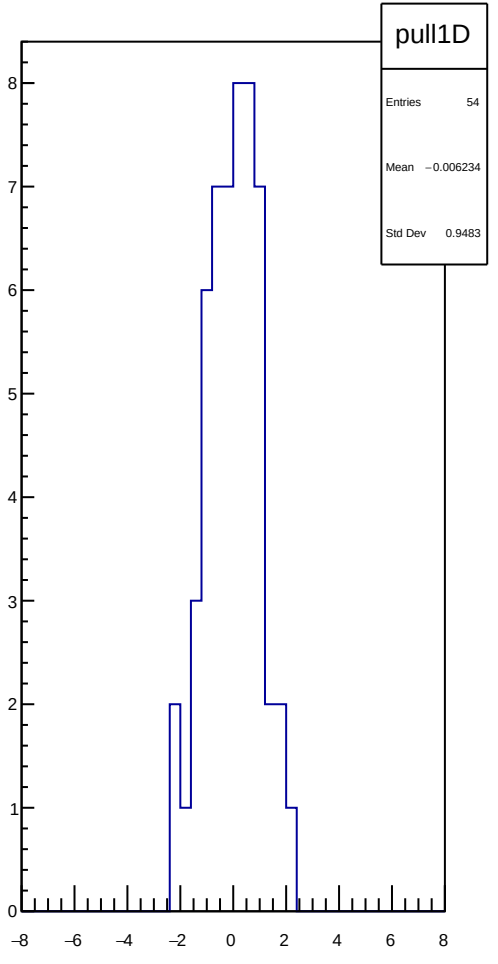

yield_bpm0r05Y_rms vs run
χ² / ndf 2.187e+05 / 53
p0 0.01702 ± 1.856e–05
0.1
0.08
0.06
0.04
0.02
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 1
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 1
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

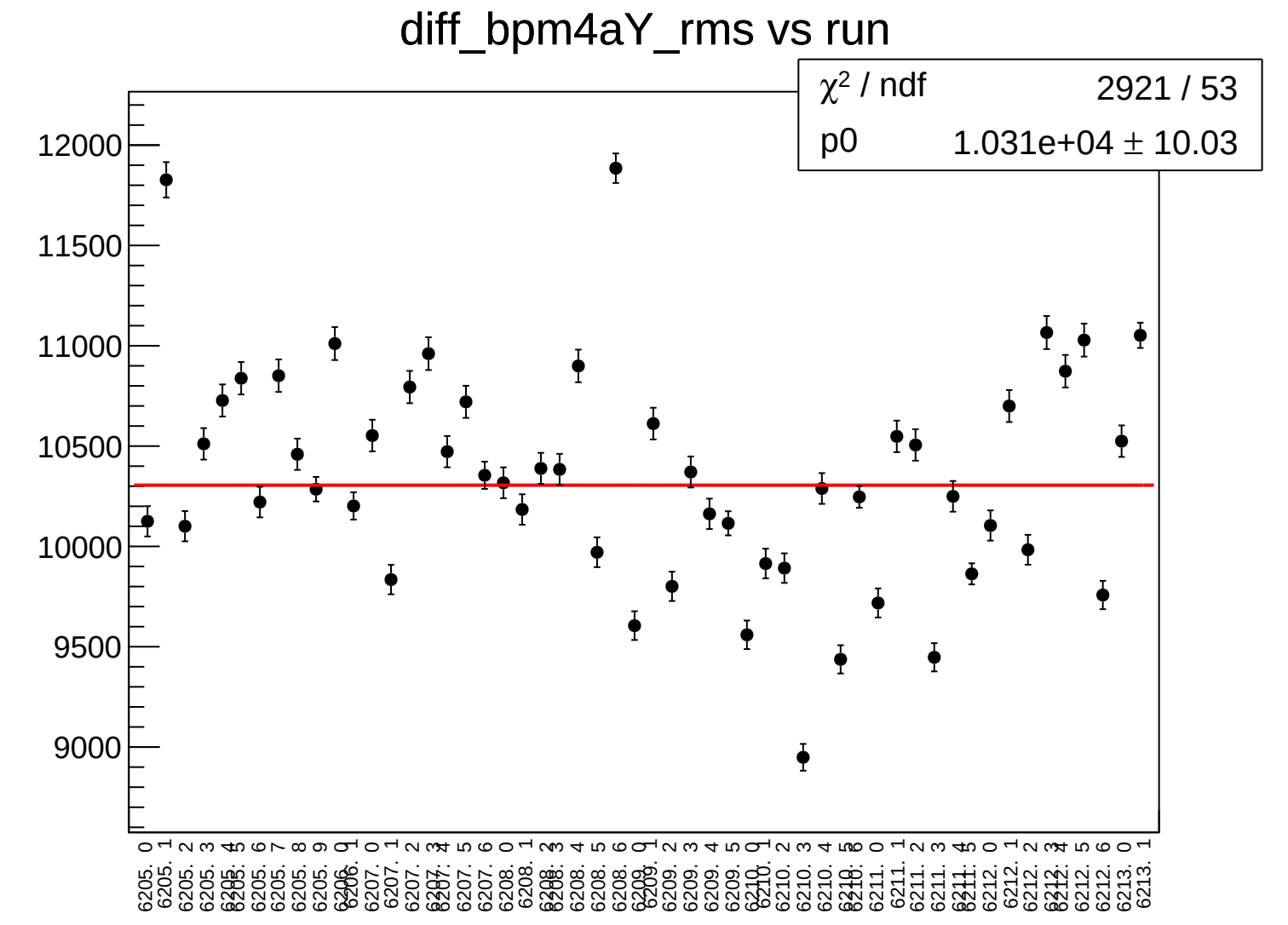

diff_bpm4aX_mean vs run
χ² / ndf 40.95 / 53
p0 2.273 ± 29.72
pull
Entries 54
Mean 5.691
Std Dev 0

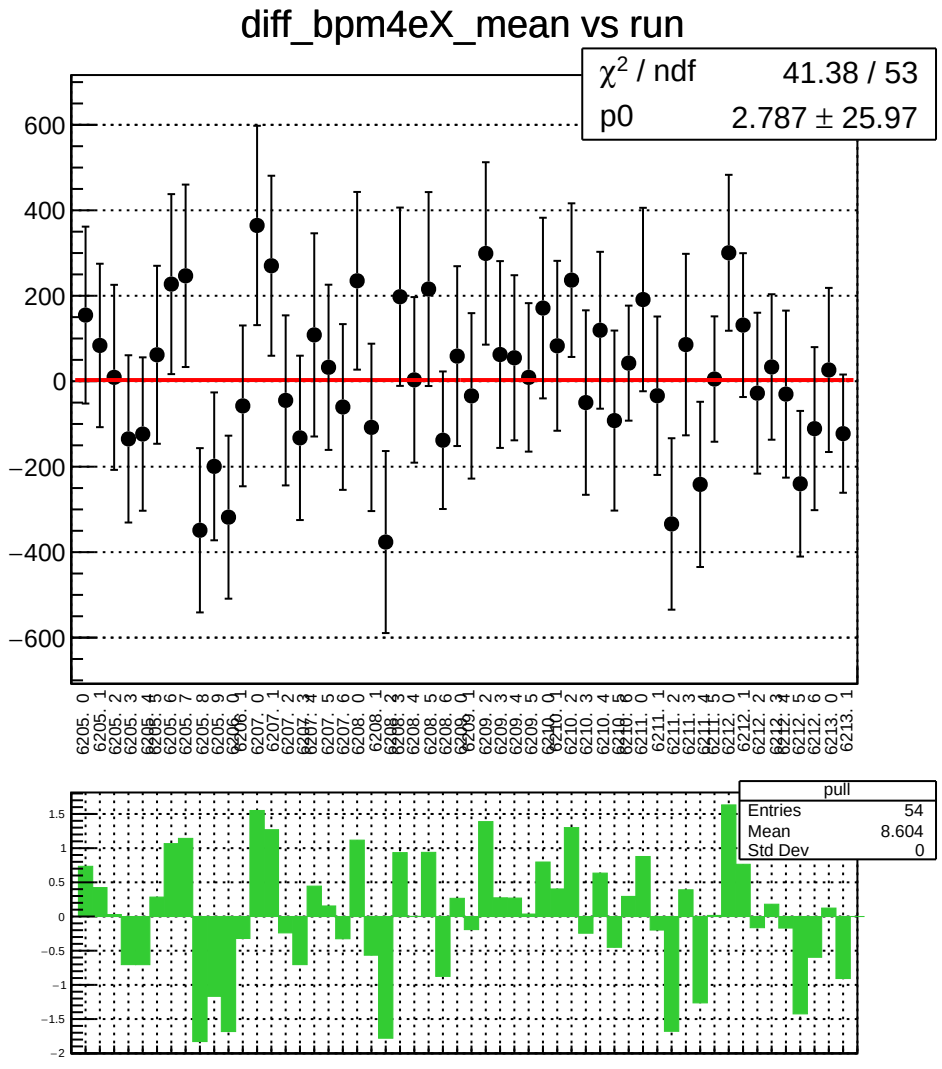

pull1D
Entries 54
Mean 0.02742
Std Dev 0.8704

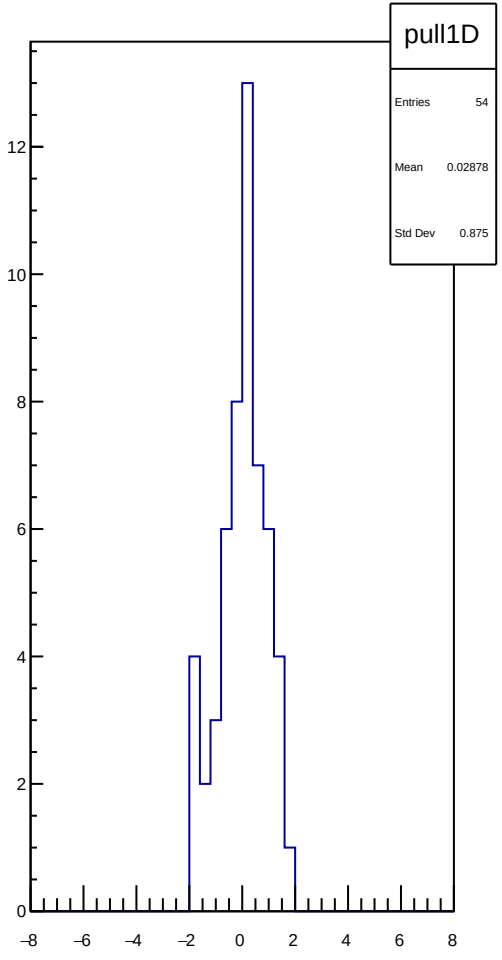

diff_bpm4aX_rms vs run
χ² / ndf 4675 / 53
p0 2.159e+04 ± 21.02
26000
25000
24000
23000
22000
21000
20000
19000
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

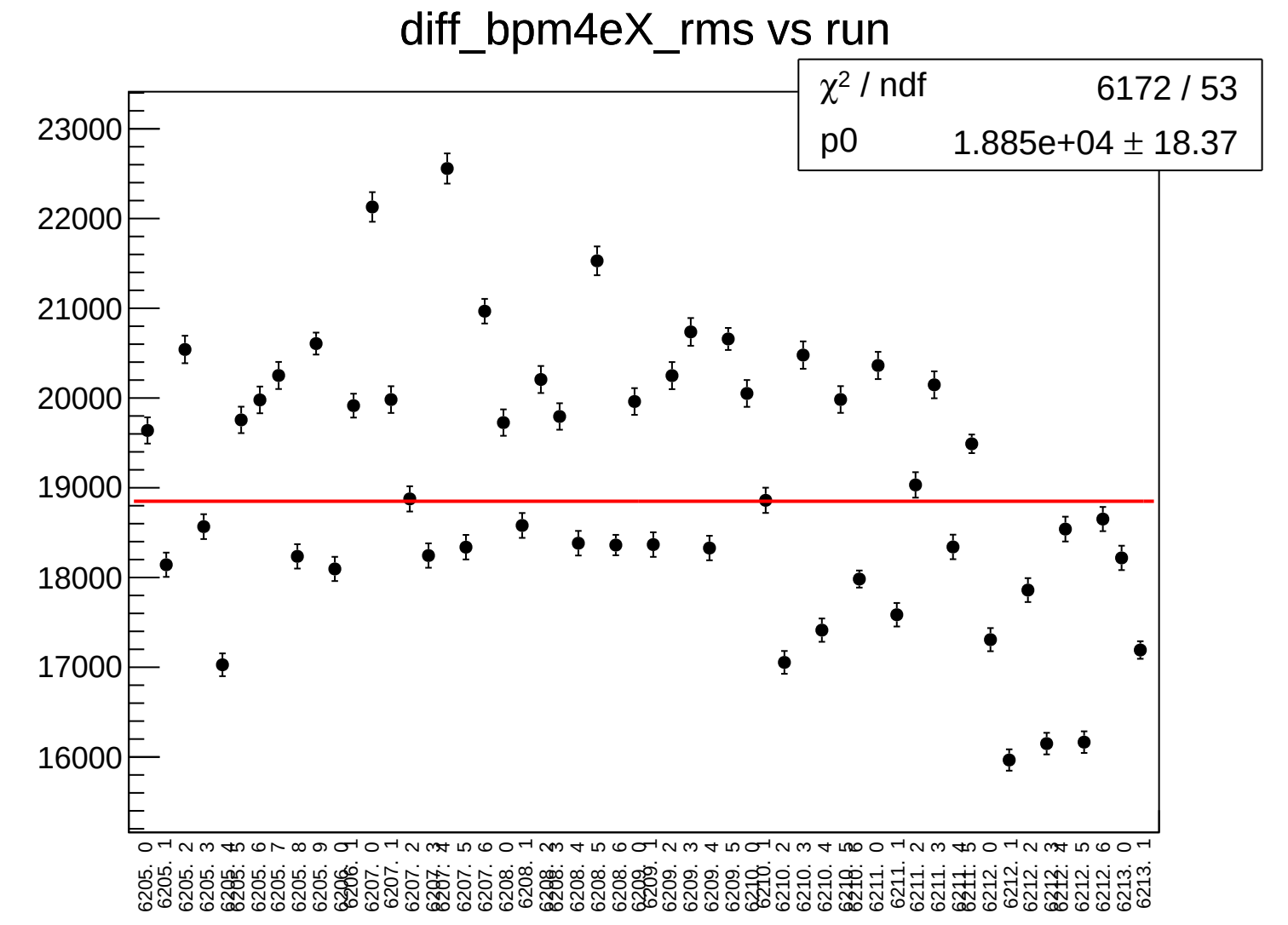

diff_bpm4aY_mean vs run
χ² / ndf 48.56 / 53
p0 −19.5 ± 14.18
pull
Entries 54
Mean 94.19
Std Dev 22.24


pull1D
Entries 54
Mean −0.006234
Std Dev 0.9483


diff_bpm4aY_rms vs run
χ² / ndf 2921 / 53
p0 1.031e+04 ± 10.03
12000
11500
11000
10500
10000
9500
9000
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


diff_bpm4eX_mean vs run
χ^2 / ndf 41.38 / 53
p0 2.787 ± 25.97
pull
Entries 54
Mean 8.604
Std Dev 0


pull1D
Entries 54
Mean 0.02878
Std Dev 0.875


diff_bpm4eX_rms vs run
χ² / ndf 6172 / 53
p0 1.885e+04 ± 18.37
23000
22000
21000
20000
19000
18000
17000
16000
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
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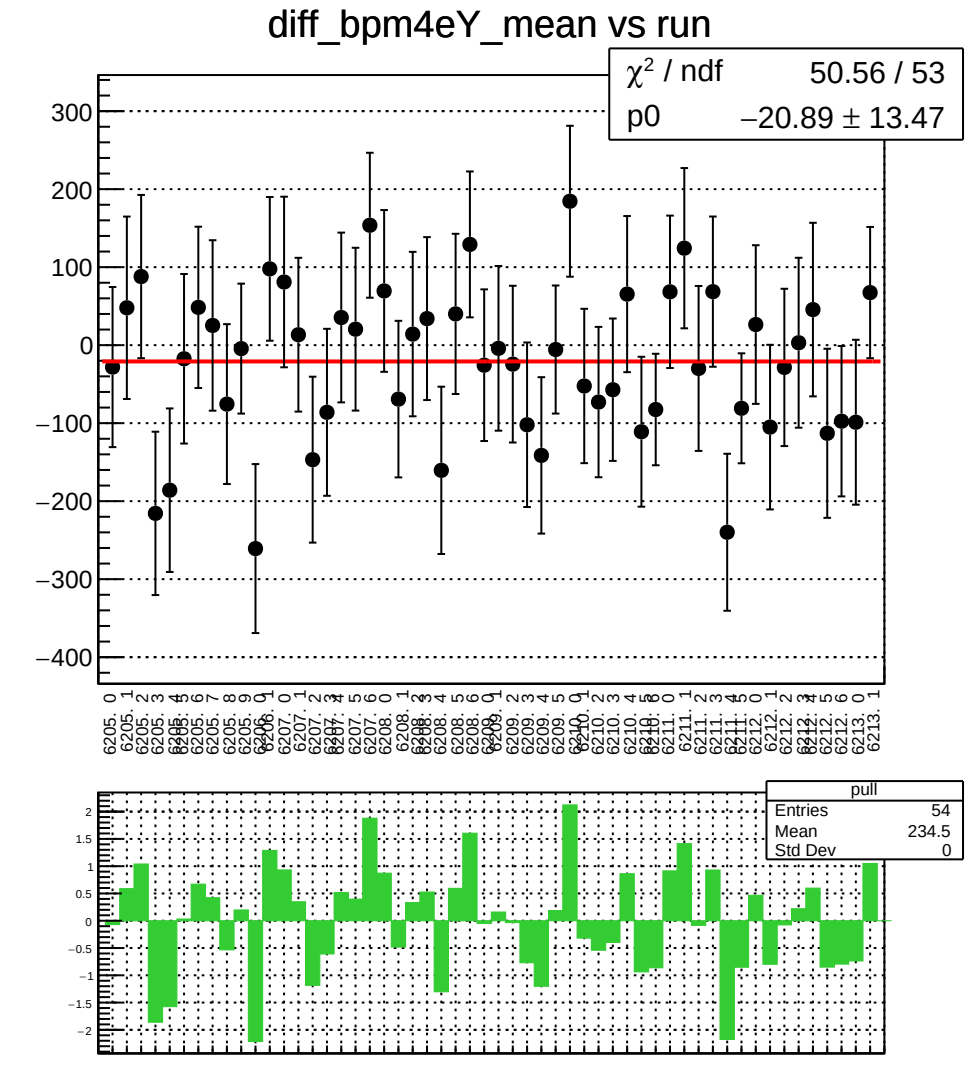
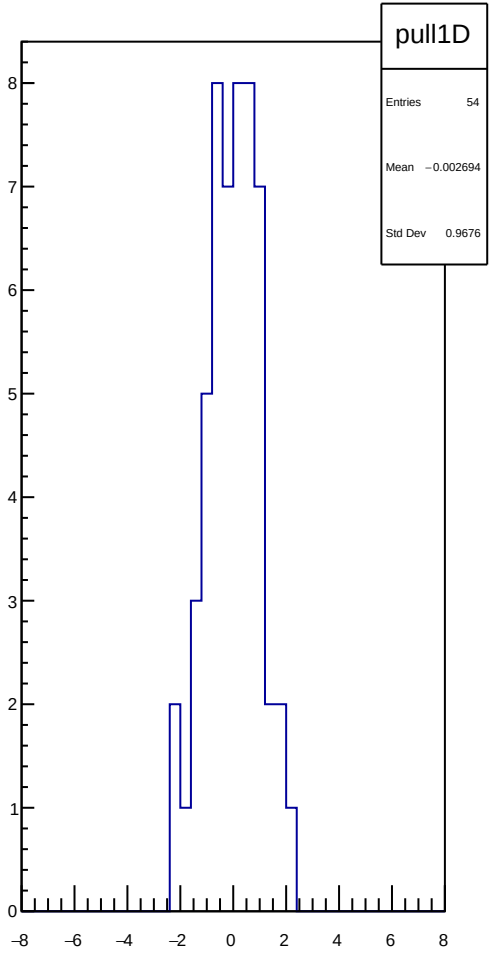
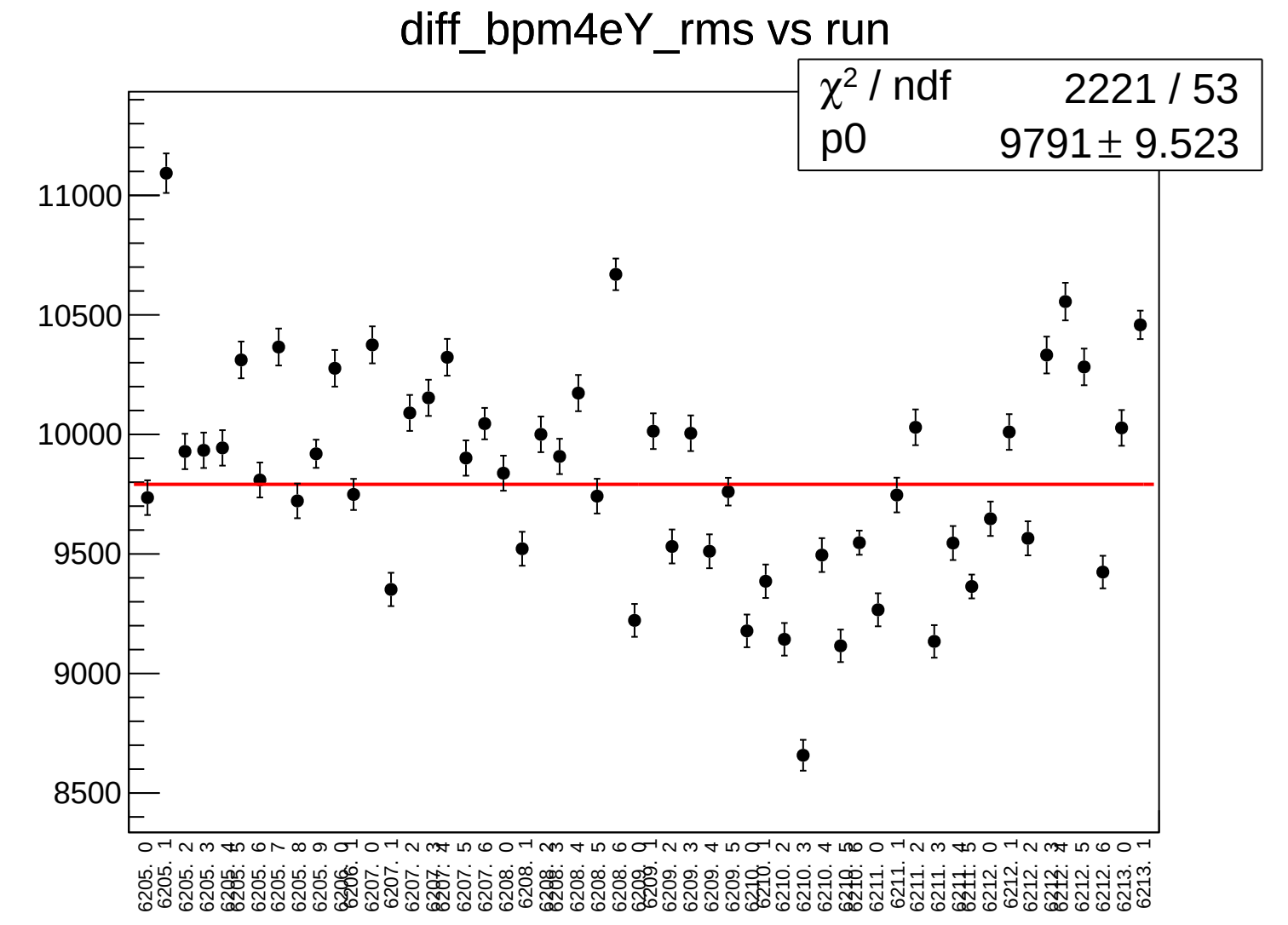
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


diff_bpm4eY_mean vs run
χ² / ndf 50.56 / 53
p0 −20.89 ± 13.47
pull
Entries 54
Mean 234.5
Std Dev 0


pull1D
Entries 54
Mean −0.002694
Std Dev 0.9676


diff_bpm4eY_rms vs run
χ² / ndf 2221 / 53
p0 9791 ± 9.523
11000
10500
10000
9500
9000
8500
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
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6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
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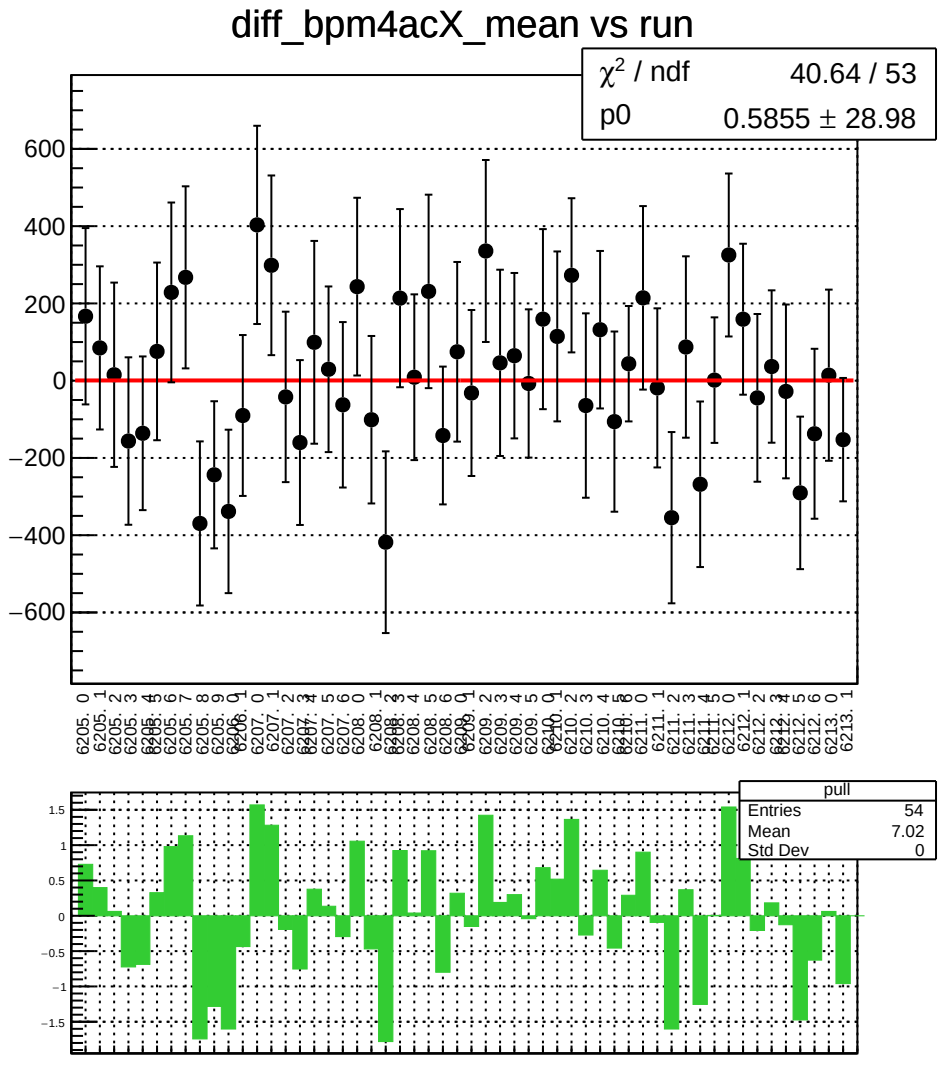
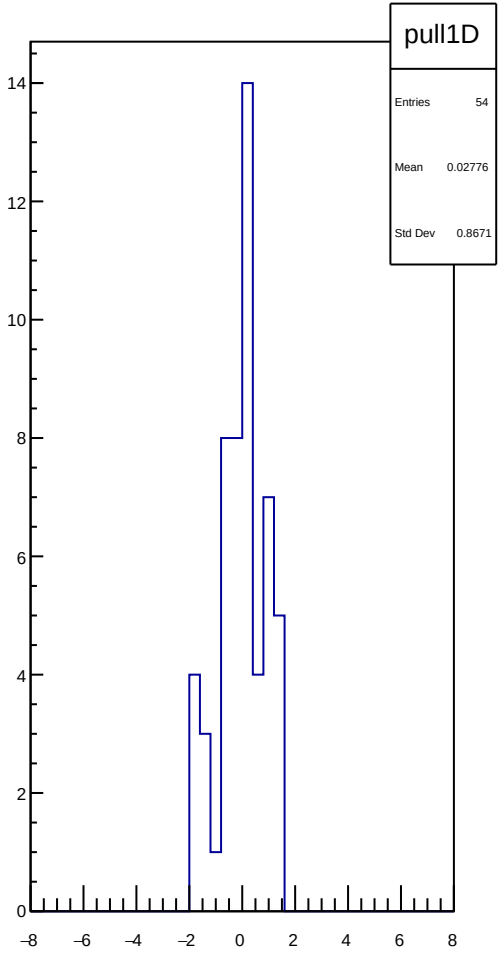
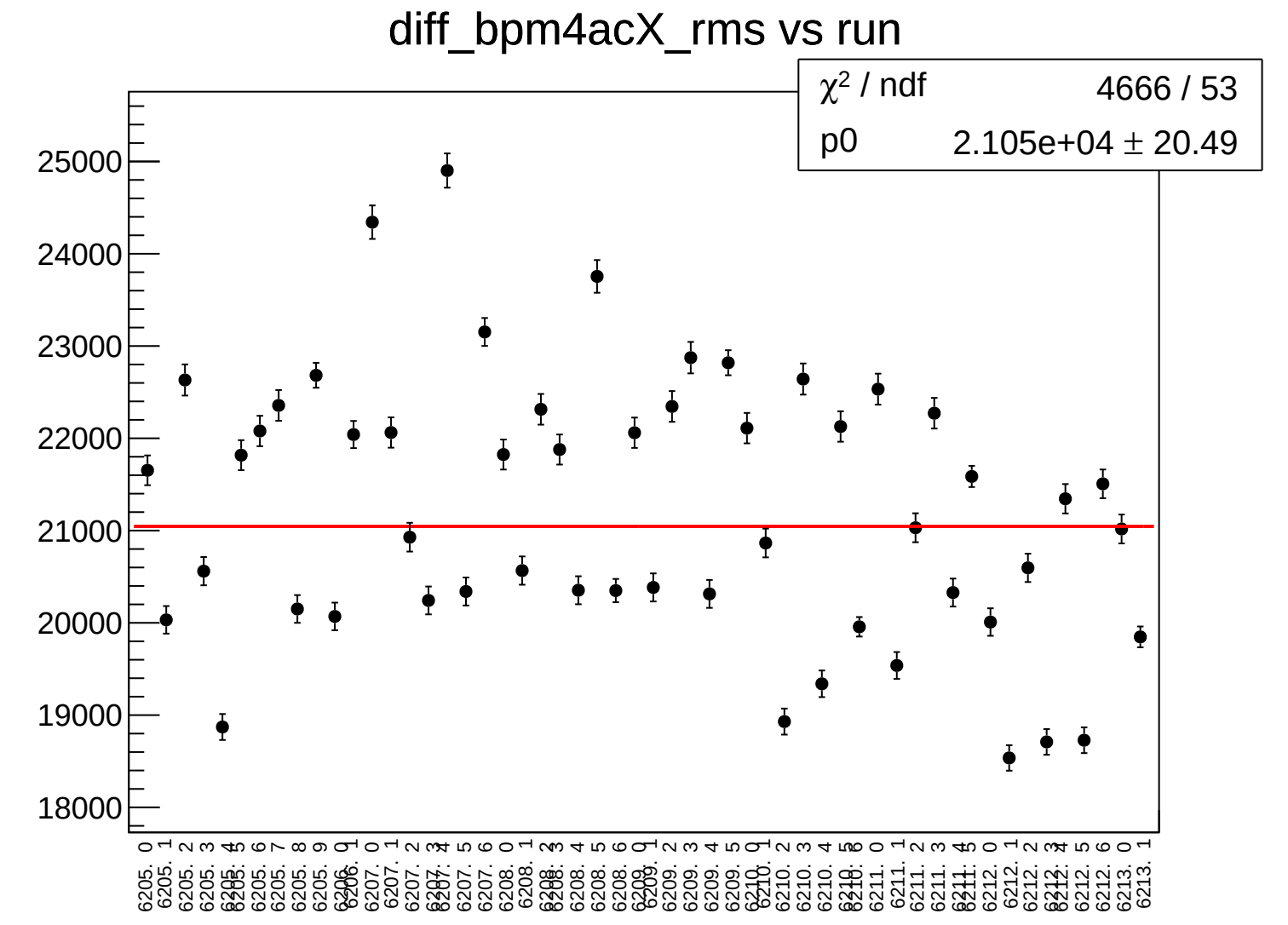
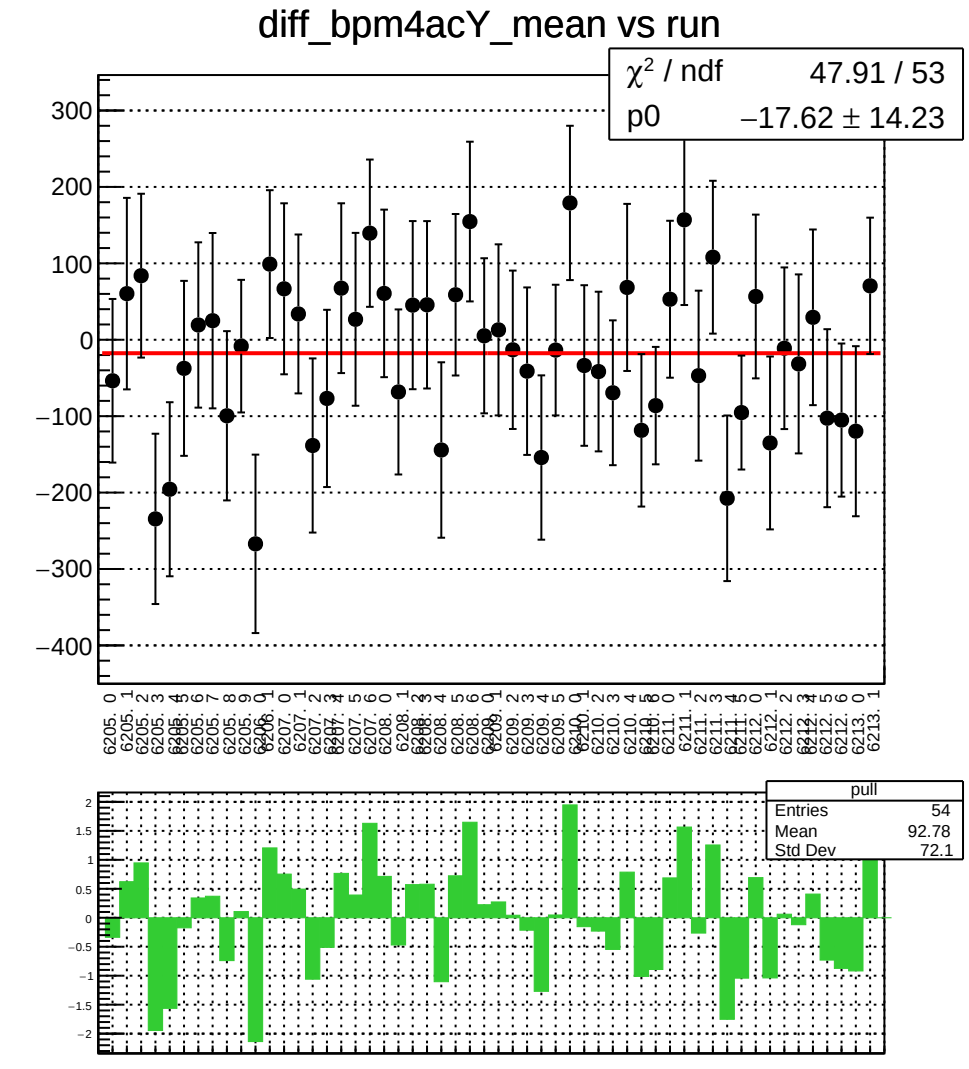
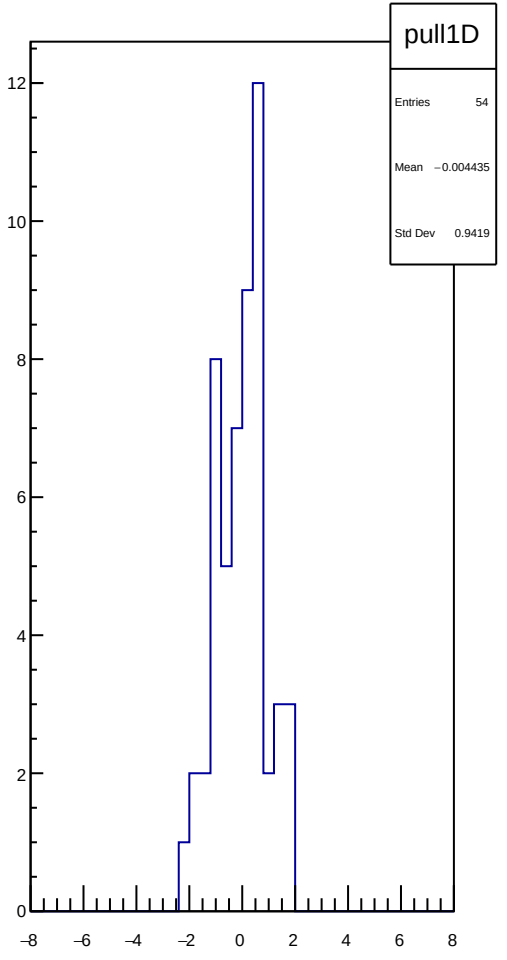
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

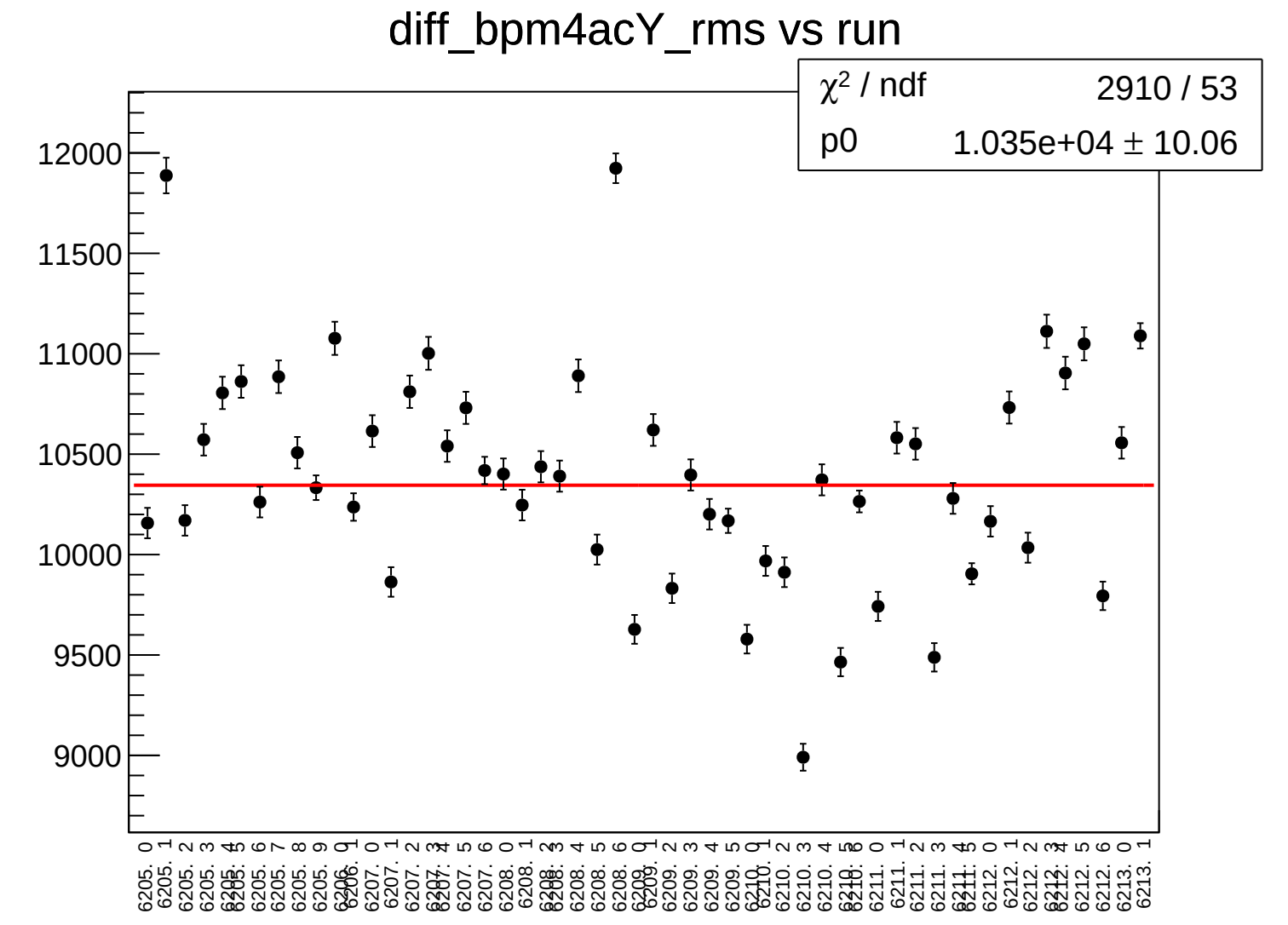

diff_bpm4acX_mean vs run
χ² / ndf 40.64 / 53
p0 0.5855 ± 28.98
pull
Entries 54
Mean 7.02
Std Dev 0


pull1D
Entries 54
Mean 0.02776
Std Dev 0.8671


diff_bpm4acX_rms vs run
χ² / ndf 4666 / 53
p0 2.105e+04 ± 20.49
25000
24000
23000
22000
21000
20000
19000
18000
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 1
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1


diff_bpm4acY_mean vs run
χ² / ndf 47.91 / 53
p0 −17.62 ± 14.23
pull
Entries 54
Mean 92.78
Std Dev 72.1


pull1D
Entries 54
Mean −0.004435
Std Dev 0.9419


diff_bpm4acY_rms vs run
χ² / ndf 2910 / 53
p0 1.035e+04 ± 10.06
12000
11500
11000
10500
10000
9500
9000
6205. 0
6205. 1
6205. 2
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6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
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6207. 4
6207. 5
6207. 6
6208. 0
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6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
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6209. 2
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6209. 4
6209. 5
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6210. 2
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6210. 5
6210. 6
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6211. 2
6211. 3
6211. 4
6211. 5
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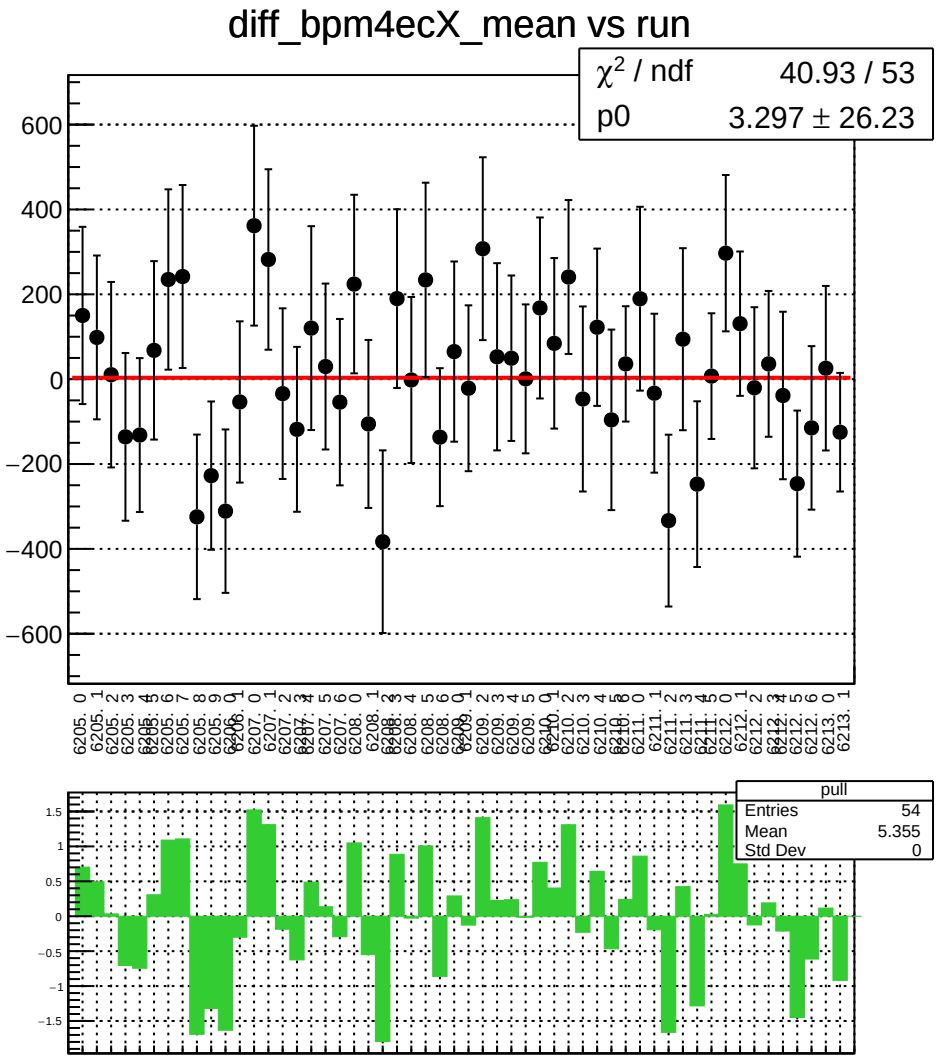
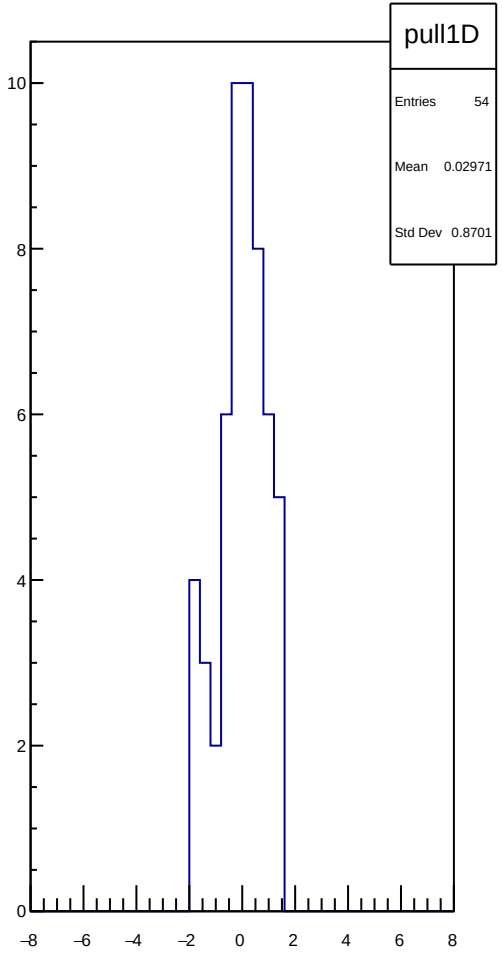
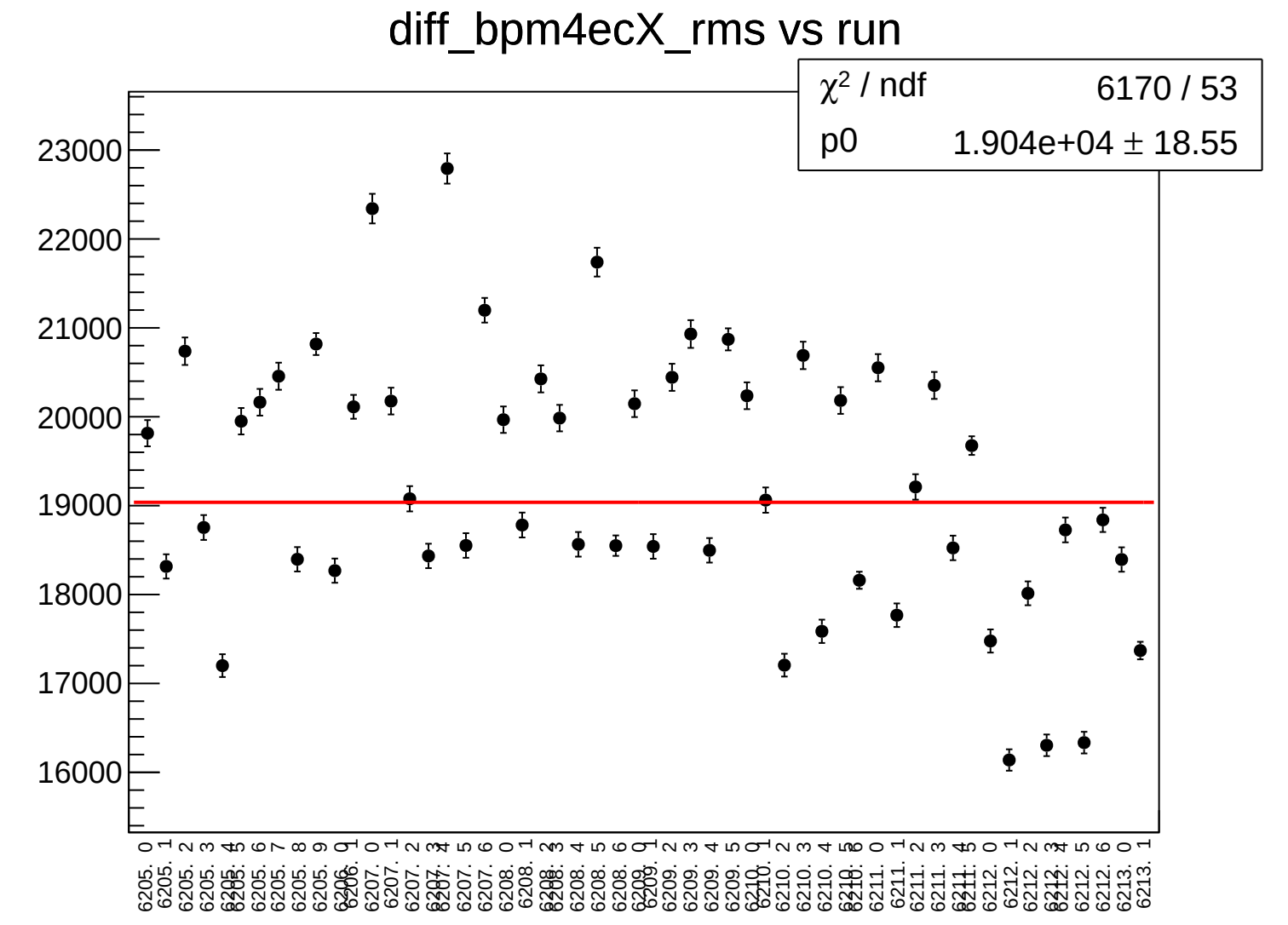
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


diff_bpm4ecX_mean vs run
χ² / ndf 40.93 / 53
p0 3.297 ± 26.23
pull
Entries 54
Mean 5.355
Std Dev 0


pull1D
Entries 54
Mean 0.02971
Std Dev 0.8701


diff_bpm4ecX_rms vs run
χ² / ndf 6170 / 53
p0 1.904e+04 ± 18.55
23000
22000
21000
20000
19000
18000
17000
16000
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
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6207. 2
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6207. 4
6207. 5
6207. 6
6208. 0
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6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
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6209. 2
6209. 3
6209. 4
6209. 5
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6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
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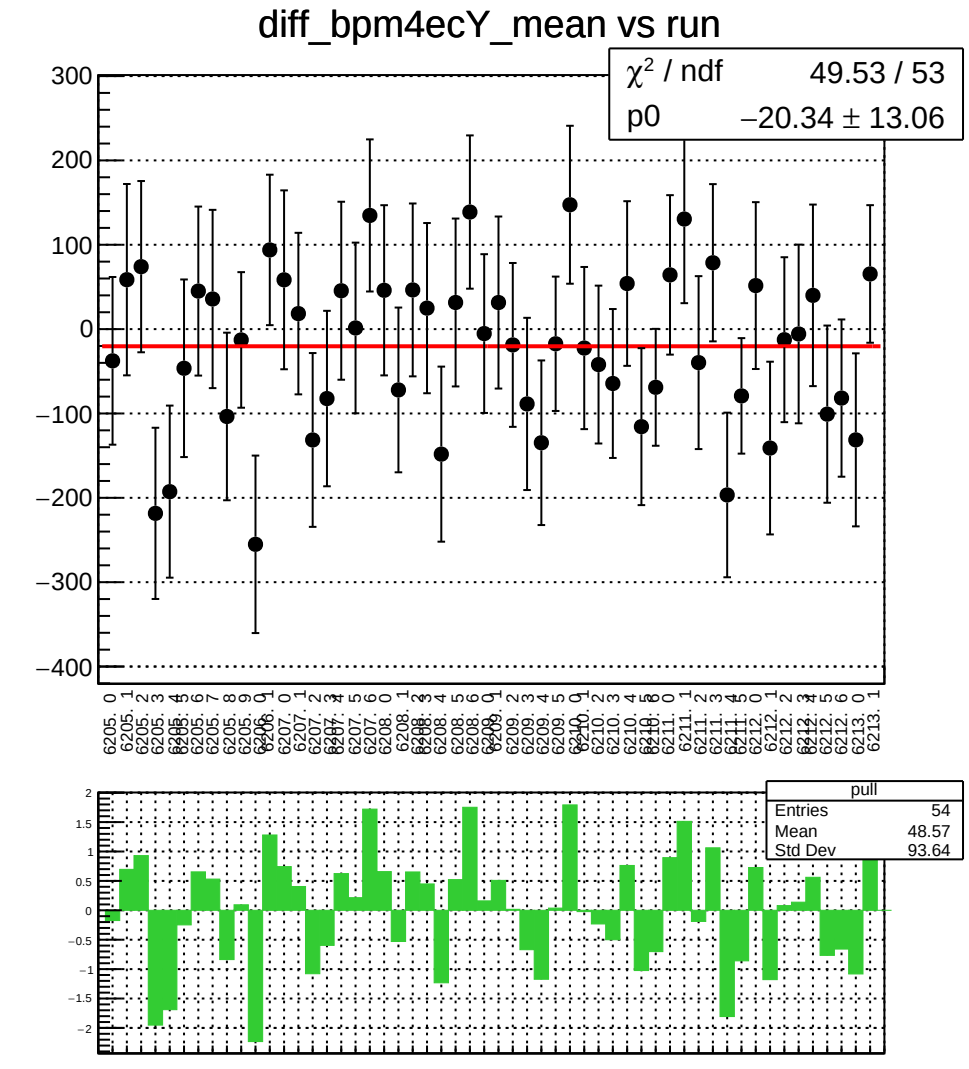
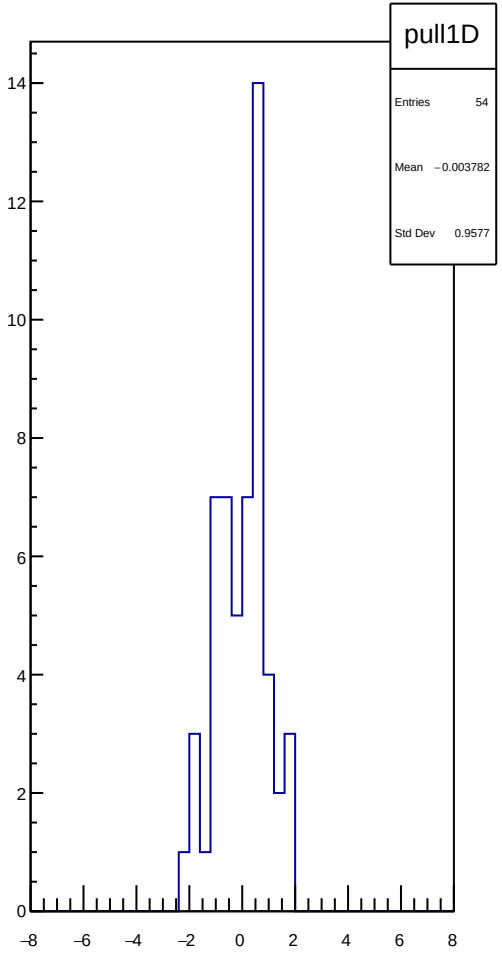
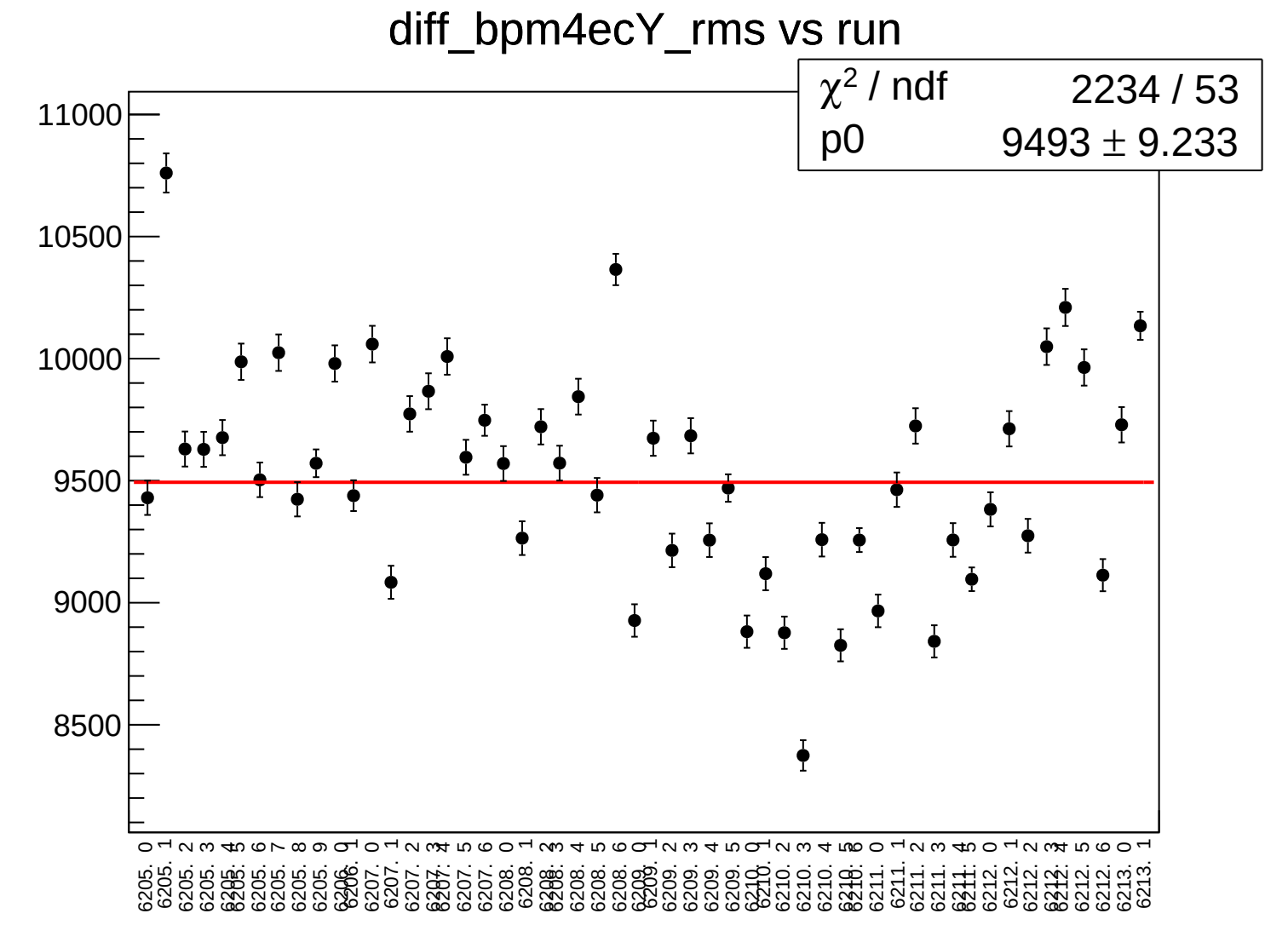
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


diff_bpm4ecY_mean vs run
χ² / ndf 49.53 / 53
p0 −20.34 ± 13.06
pull
Entries 54
Mean 48.57
Std Dev 93.64


pull1D
Entries 54
Mean −0.003782
Std Dev 0.9577


diff_bpm4ecY_rms vs run
χ² / ndf 2234 / 53
p0 9493 ± 9.233
11000
10500
10000
9500
9000
8500
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
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6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
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6208. 3
6208. 4
6208. 5
6208. 6
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6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
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6211. 2
6211. 3
6211. 4
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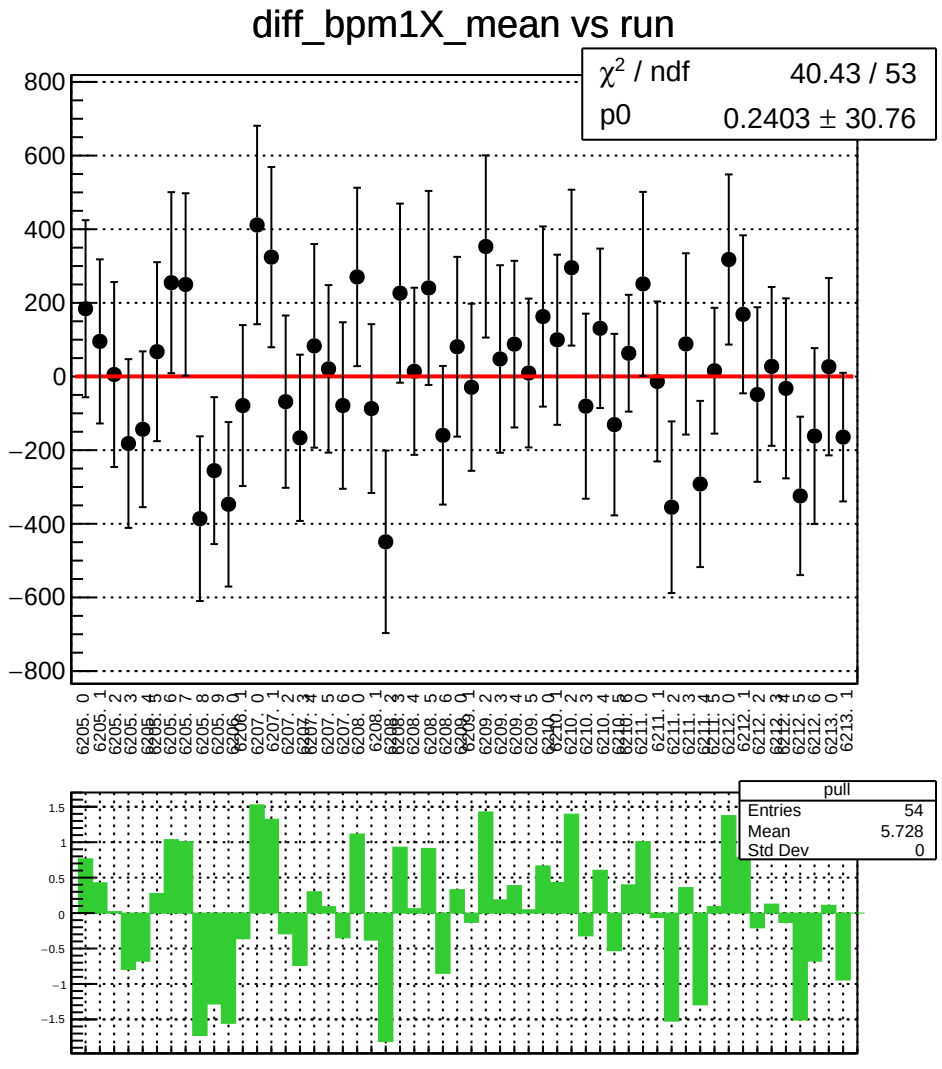
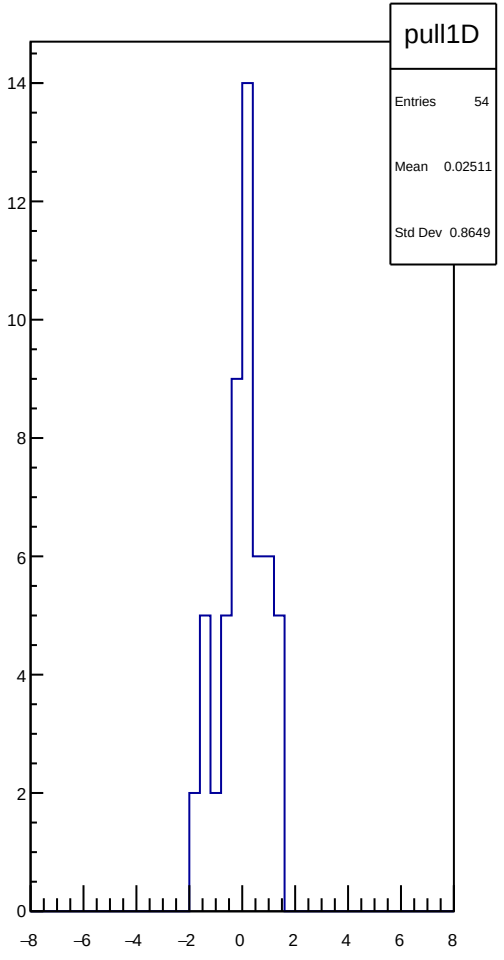
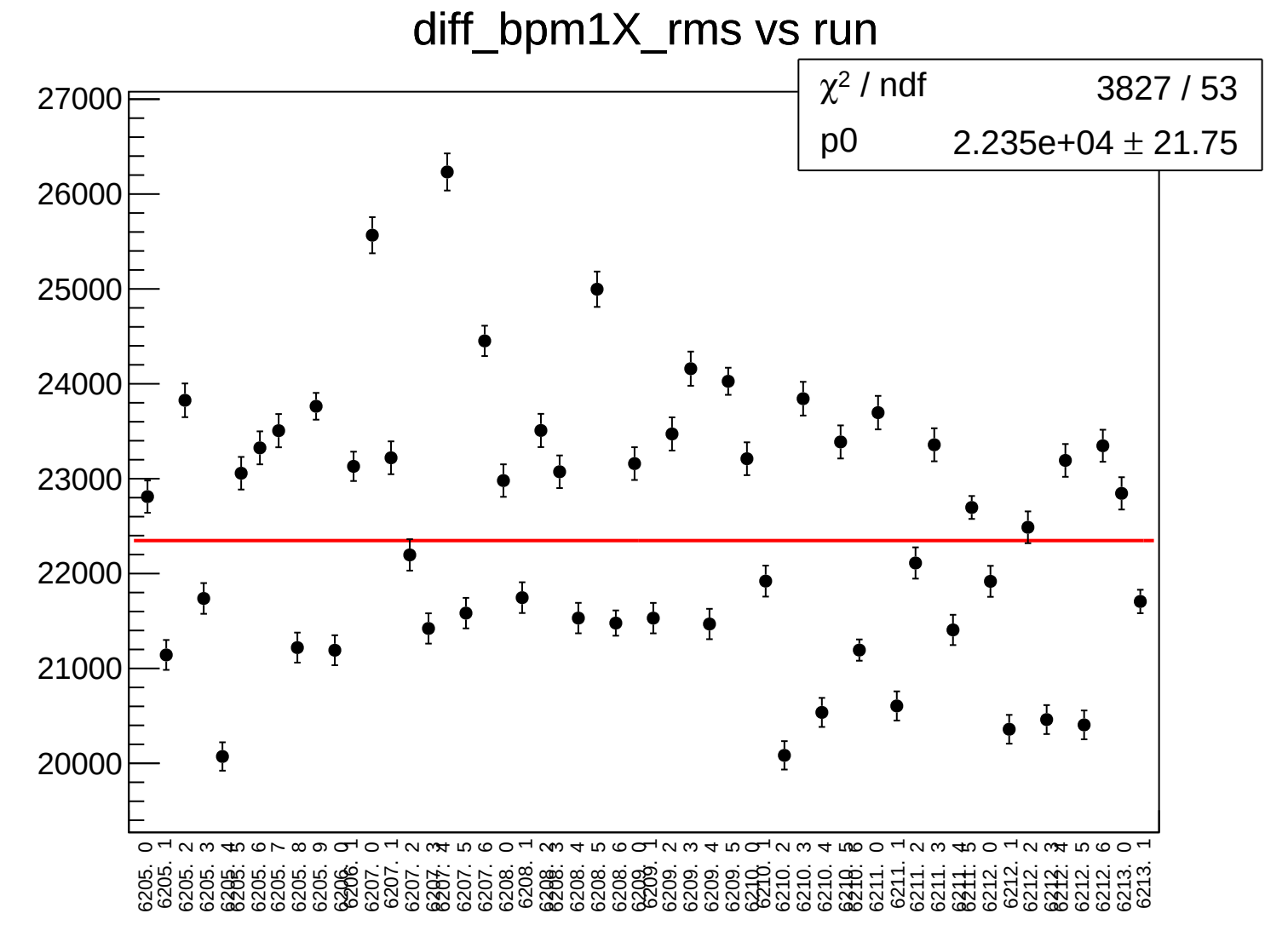
6212. 6
6213. 0
6213. 1


diff_bpm1X_mean vs run
χ² / ndf 40.43 / 53
p0 0.2403 ± 30.76
pull
Entries 54
Mean 5.728
Std Dev 0


pull1D
Entries 54
Mean 0.02511
Std Dev 0.8649


diff_bpm1X_rms vs run
χ² / ndf 3827 / 53
p0 2.235e+04 ± 21.75
27000
26000
25000
24000
23000
22000
21000
20000
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 1
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
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6208. 6
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 1
6210. 2
6210. 3
6210. 4
6211. 0
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6211. 3
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6212. 2
6212. 5
6212. 6
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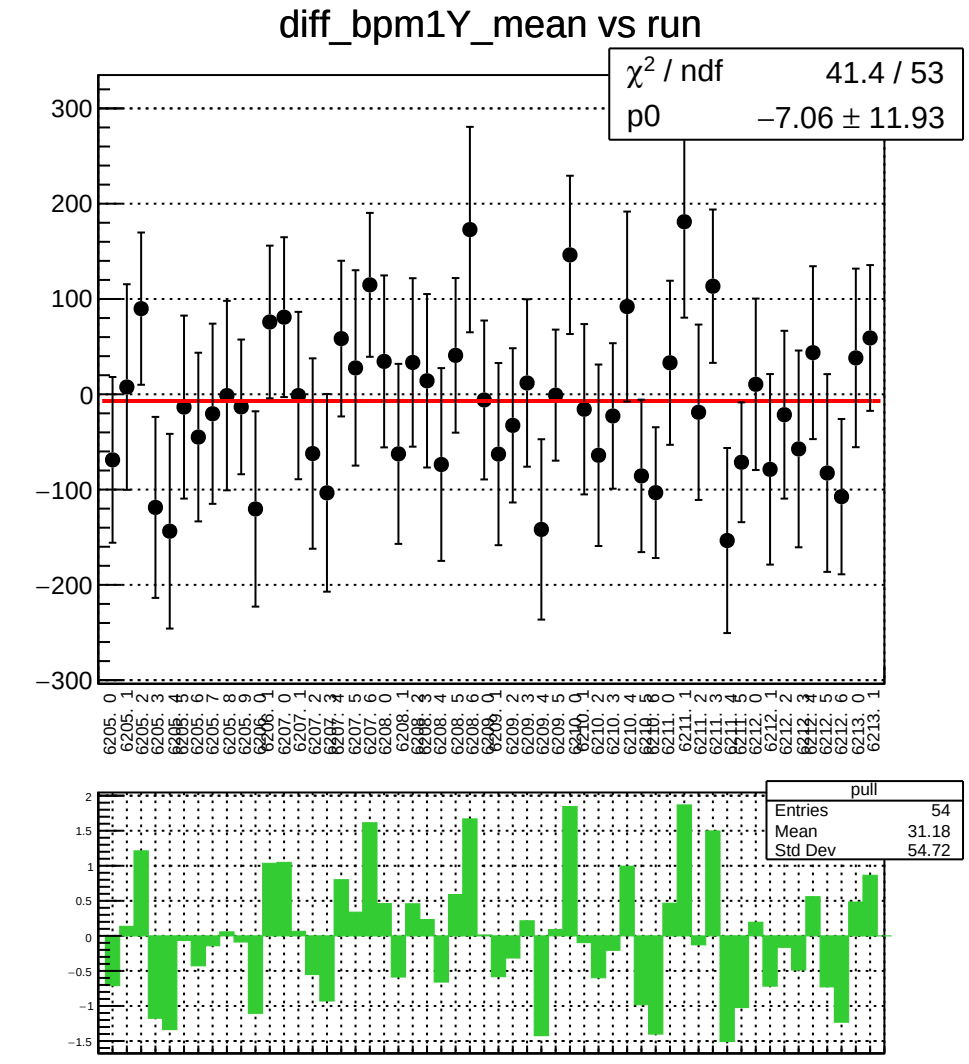
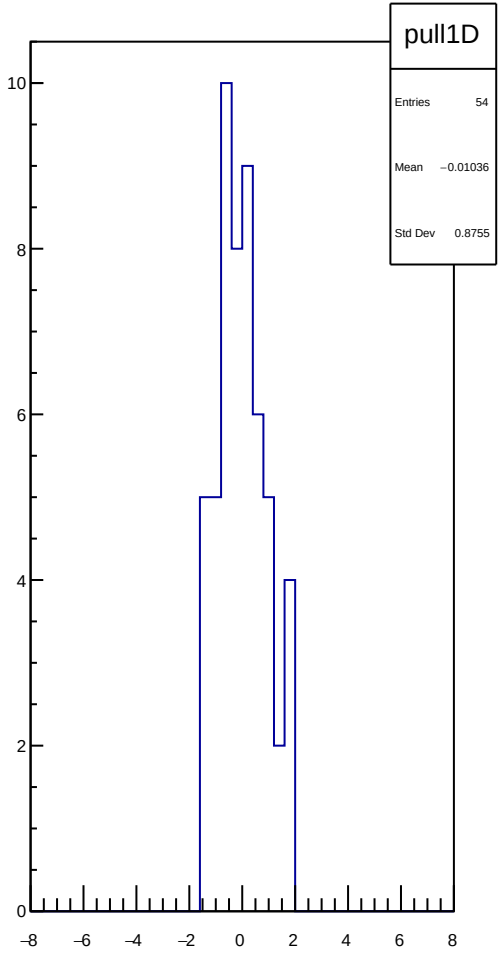
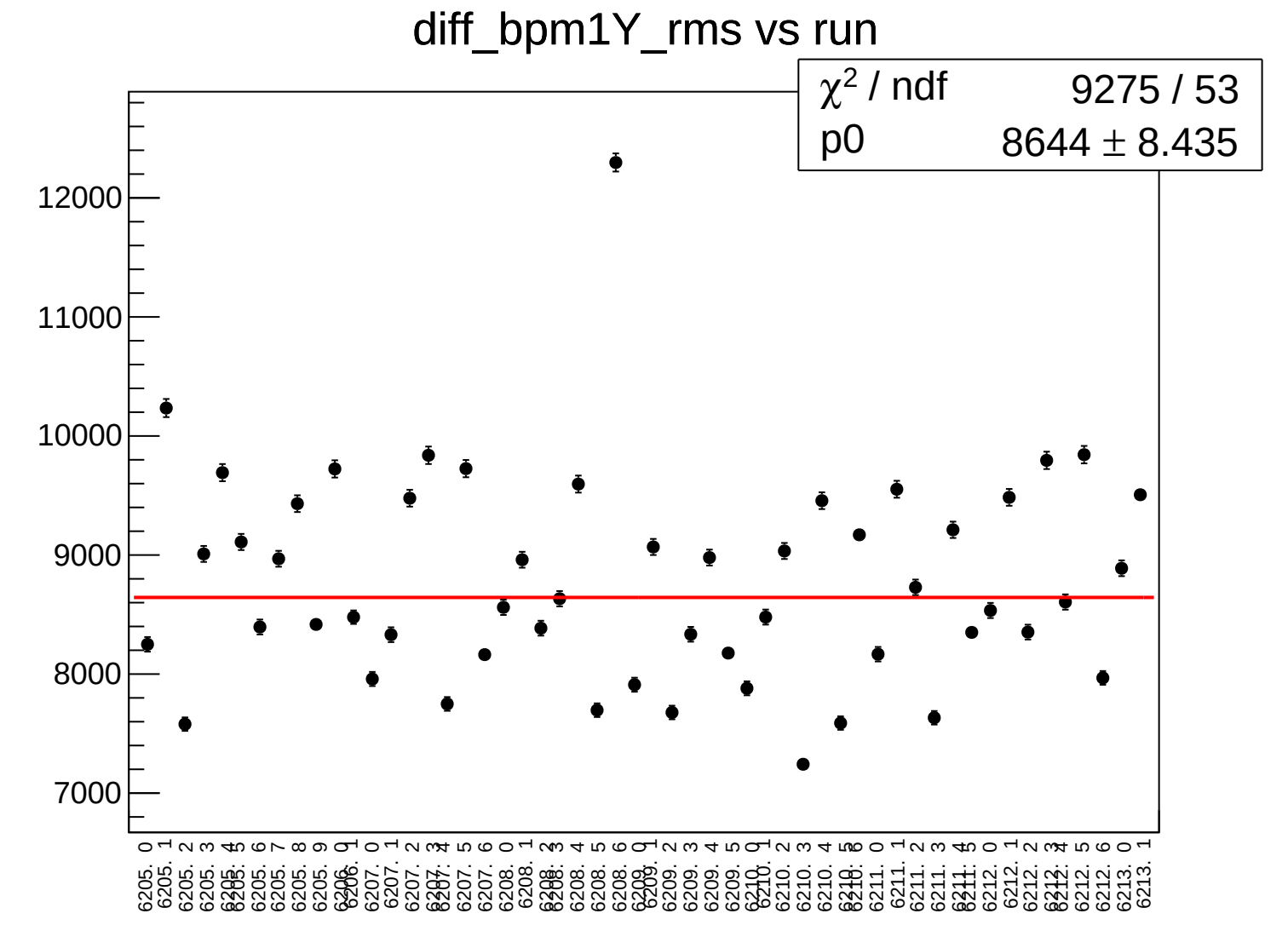
6213. 1


diff_bpm1Y_mean vs run
χ² / ndf 41.4 / 53
p0 −7.06 ± 11.93
pull
Entries 54
Mean 31.18
Std Dev 54.72


pull1D
Entries 54
Mean −0.01036
Std Dev 0.8755


diff_bpm1Y_rms vs run
χ² / ndf 9275 / 53
p0 8644 ± 8.435
12000
11000
10000
9000
8000
7000
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
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6207. 4
6207. 5
6207. 6
6208. 0
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6208. 2
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6212. 6
6213. 0
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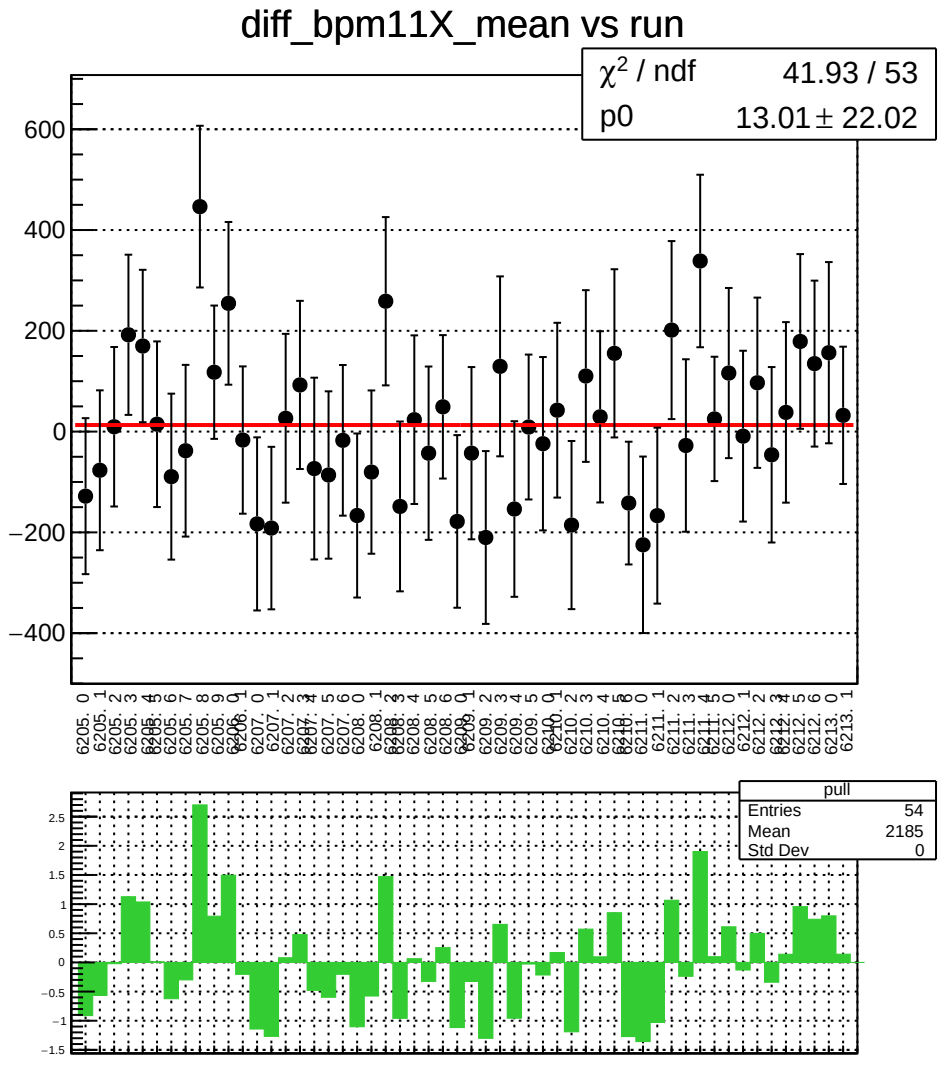
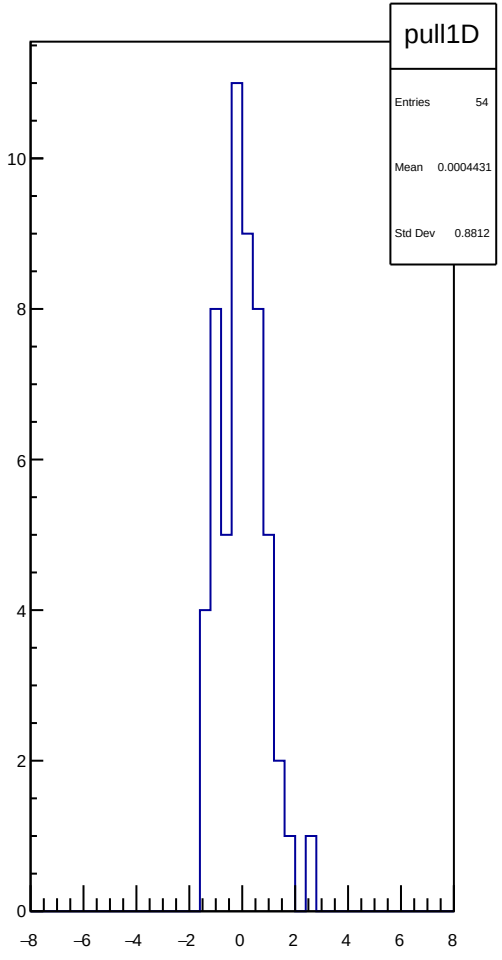
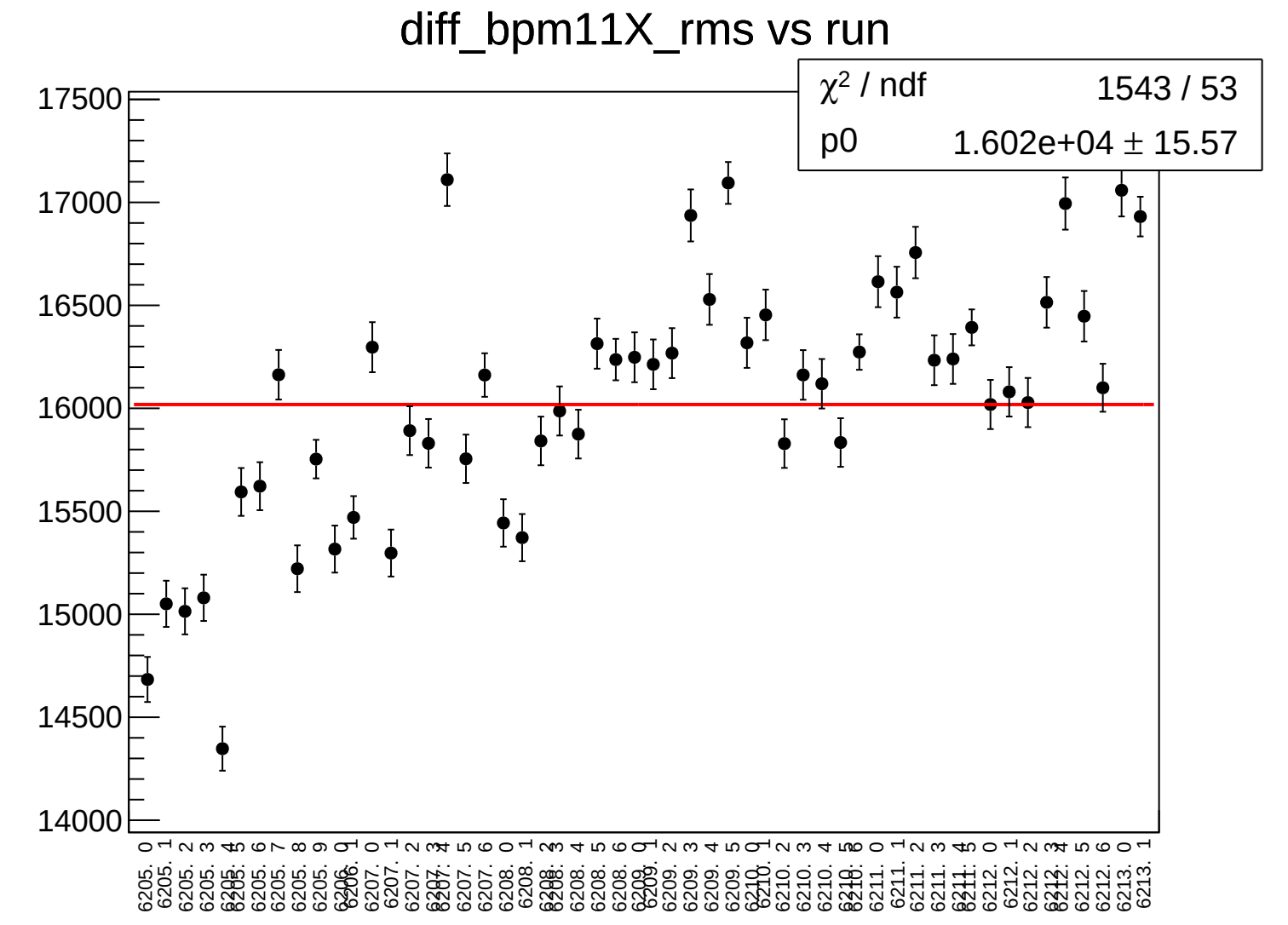

diff_bpm11X_mean vs run
χ^2 / ndf 41.93 / 53
p0 13.01 ± 22.02
600
400
200
0
−200
−400
pull
Entries 54
Mean 2185
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 54
Mean 0.0004431
Std Dev 0.8812
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


diff_bpm11X_rms vs run
χ² / ndf 1543 / 53
p0 1.602e+04 ± 15.57
17500
17000
16500
16000
15500
15000
14500
14000
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
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6208. 2
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6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
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6209. 5
6210. 0
6210. 1
6210. 2
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6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
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6212. 2
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6212. 6
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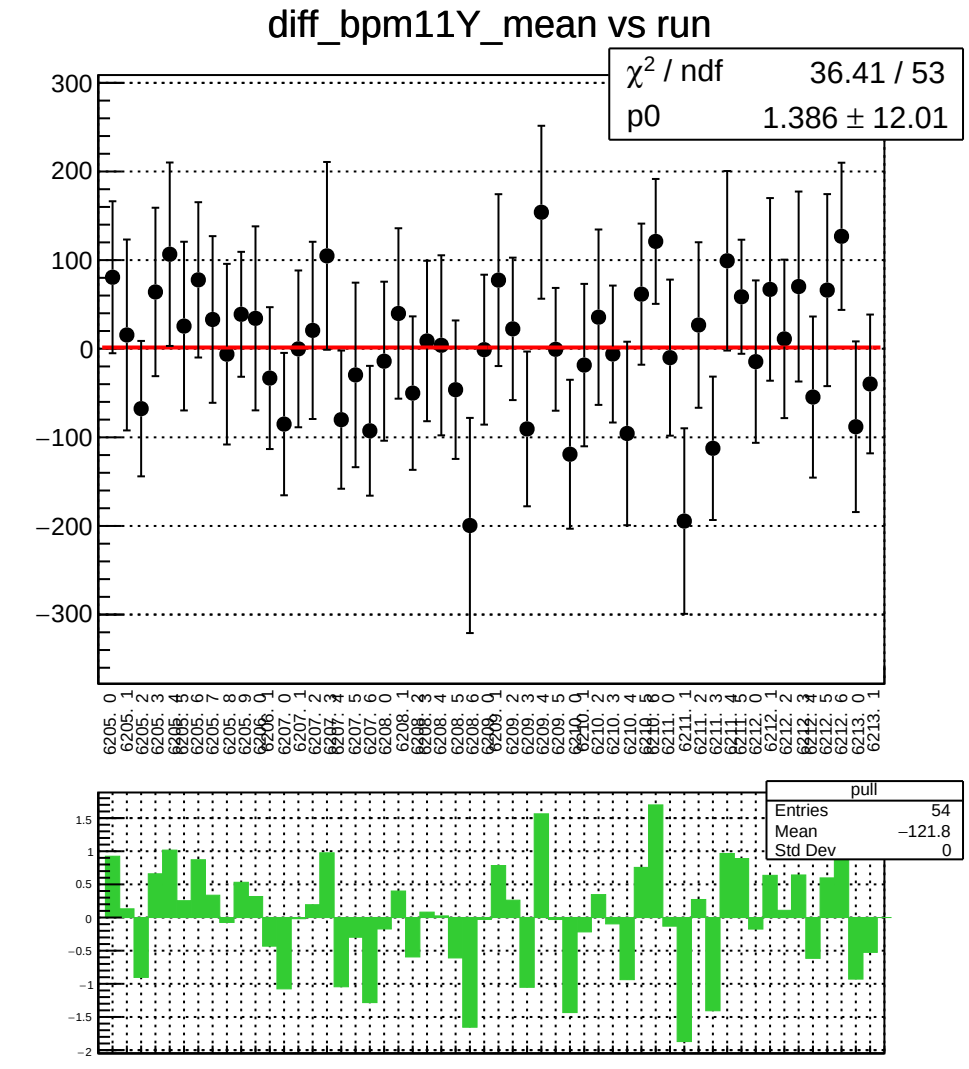
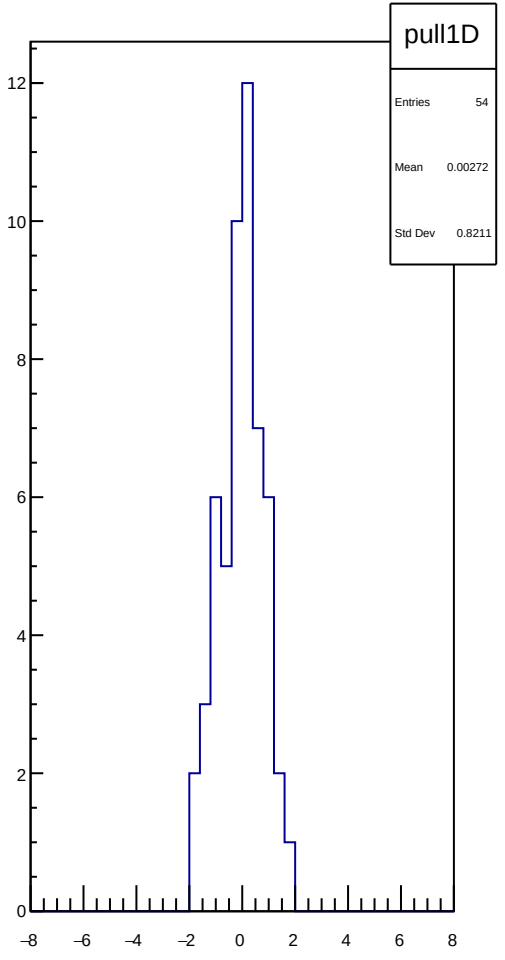
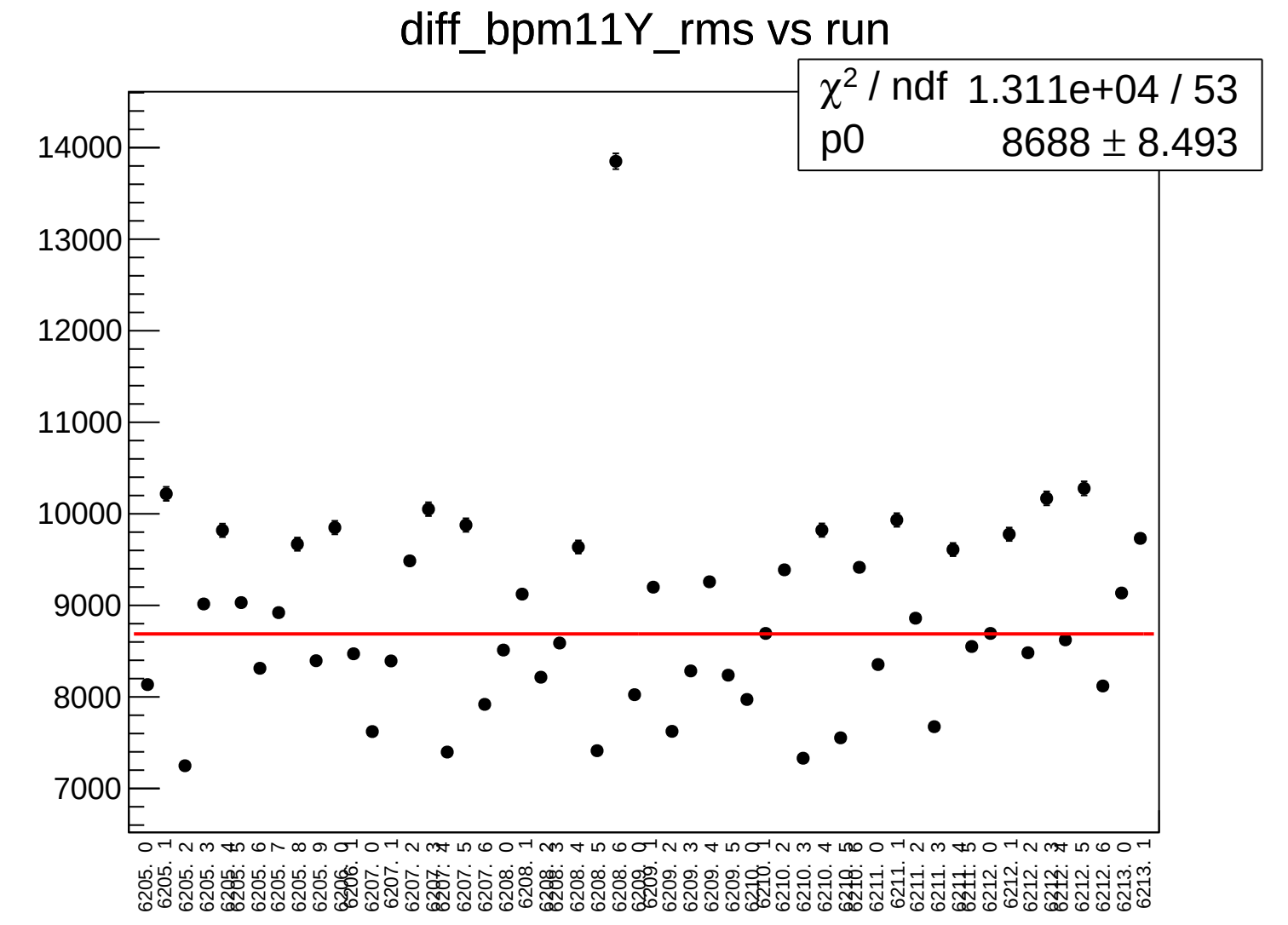
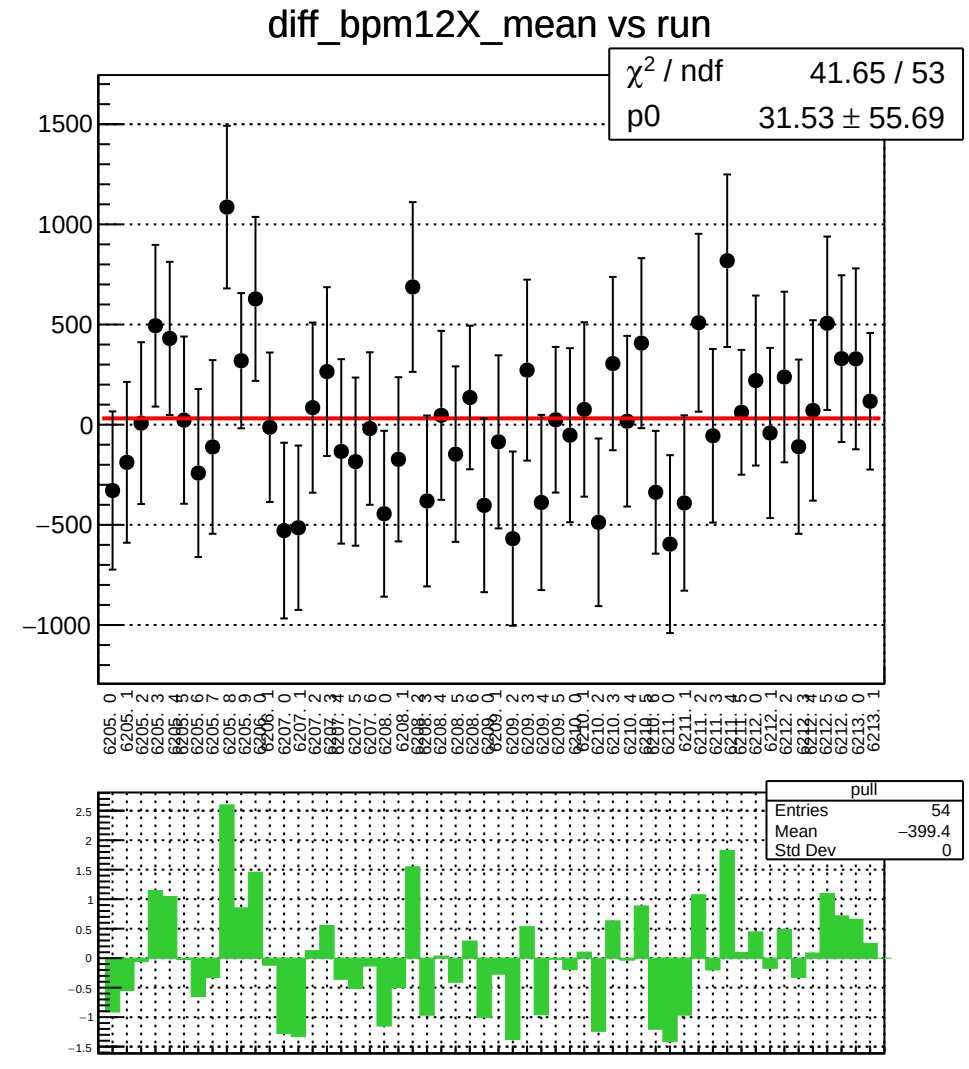
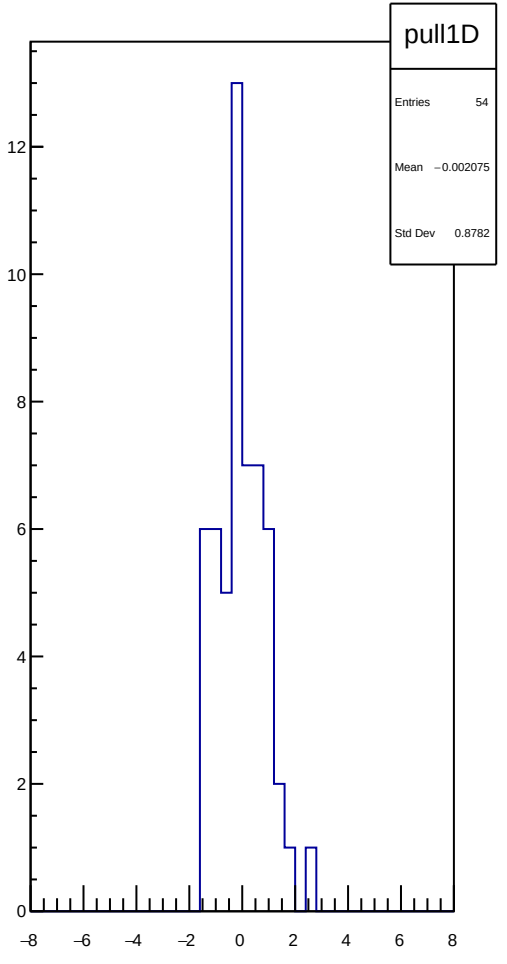
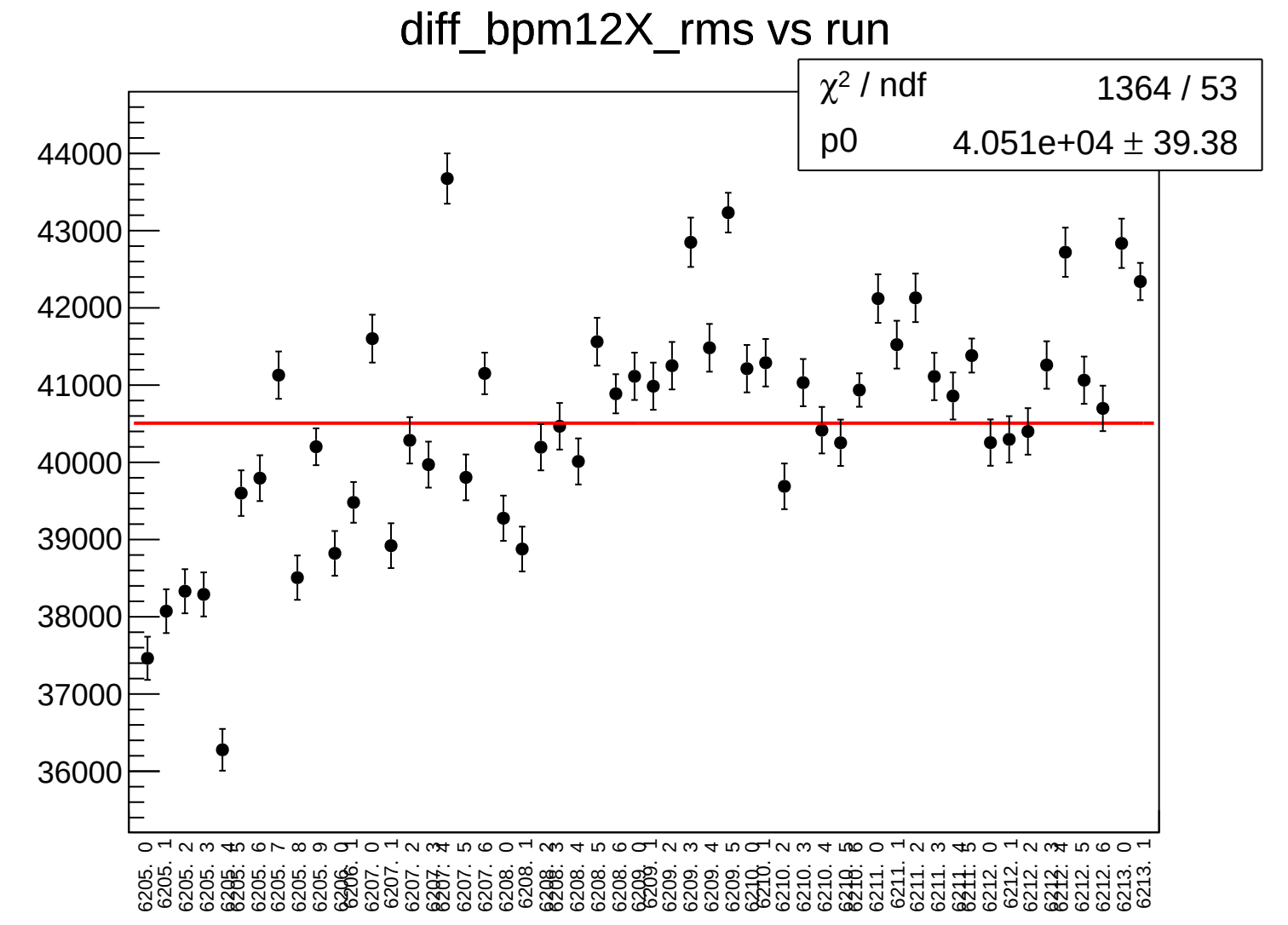

diff_bpm11Y_mean vs run
χ² / ndf 36.41 / 53
p0 1.386 ± 12.01
pull
Entries 54
Mean −121.8
Std Dev 0

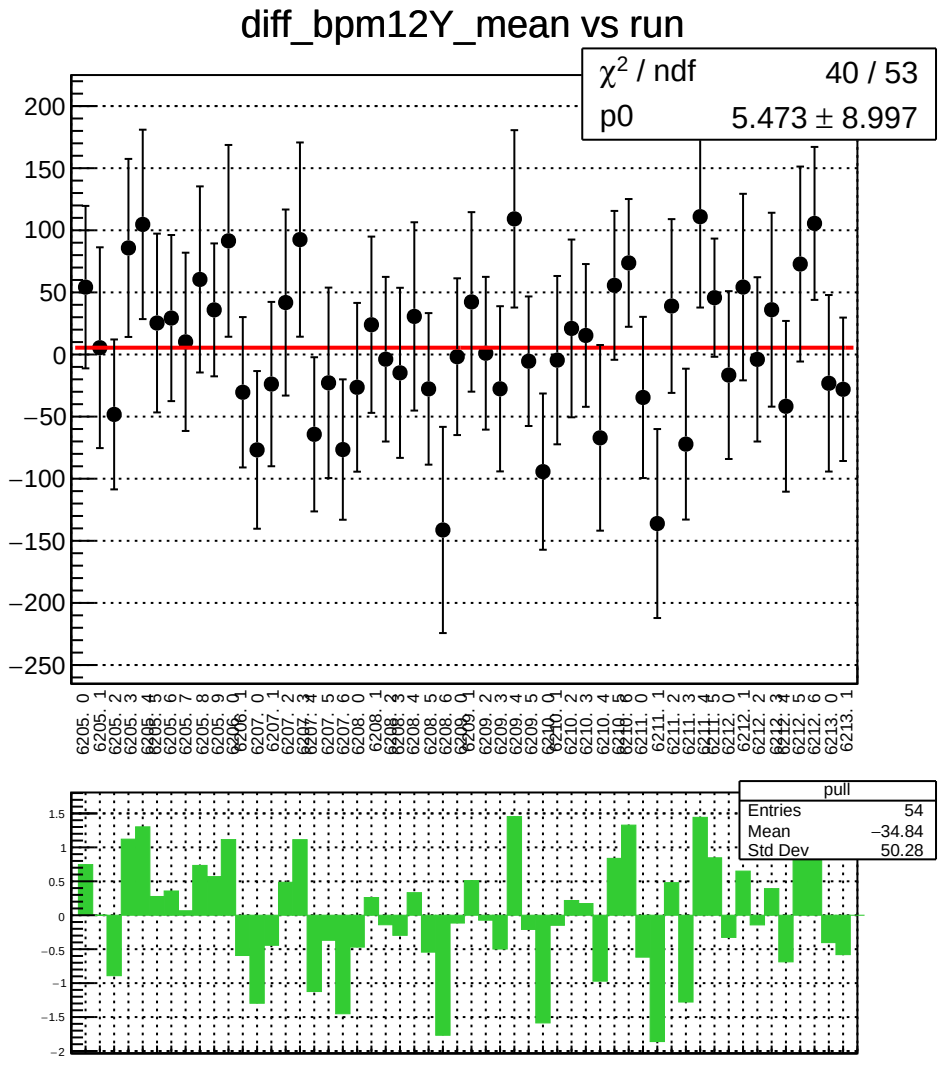

pull1D
Entries 54
Mean 0.00272
Std Dev 0.8211

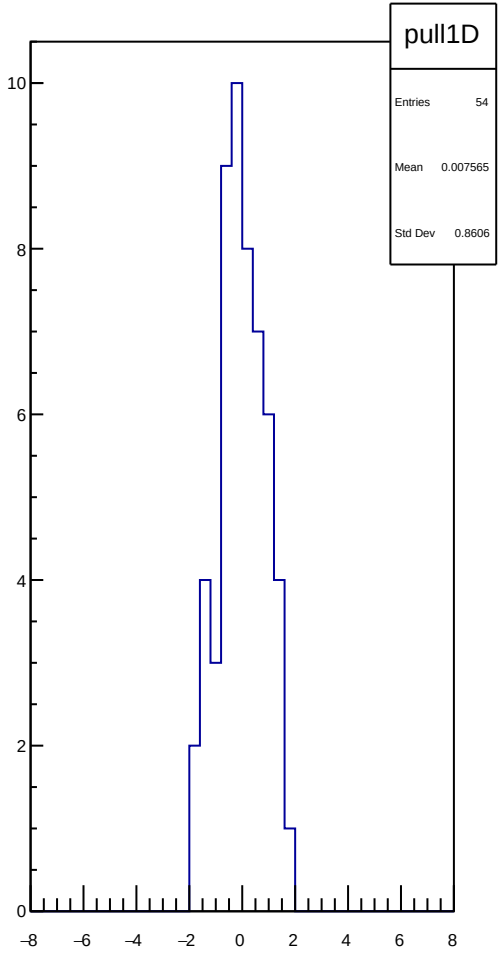

diff_bpm11Y_rms vs run
χ² / ndf 1.311e+04 / 53
p0 8688 ± 8.493
14000
13000
12000
11000
10000
9000
8000
7000
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

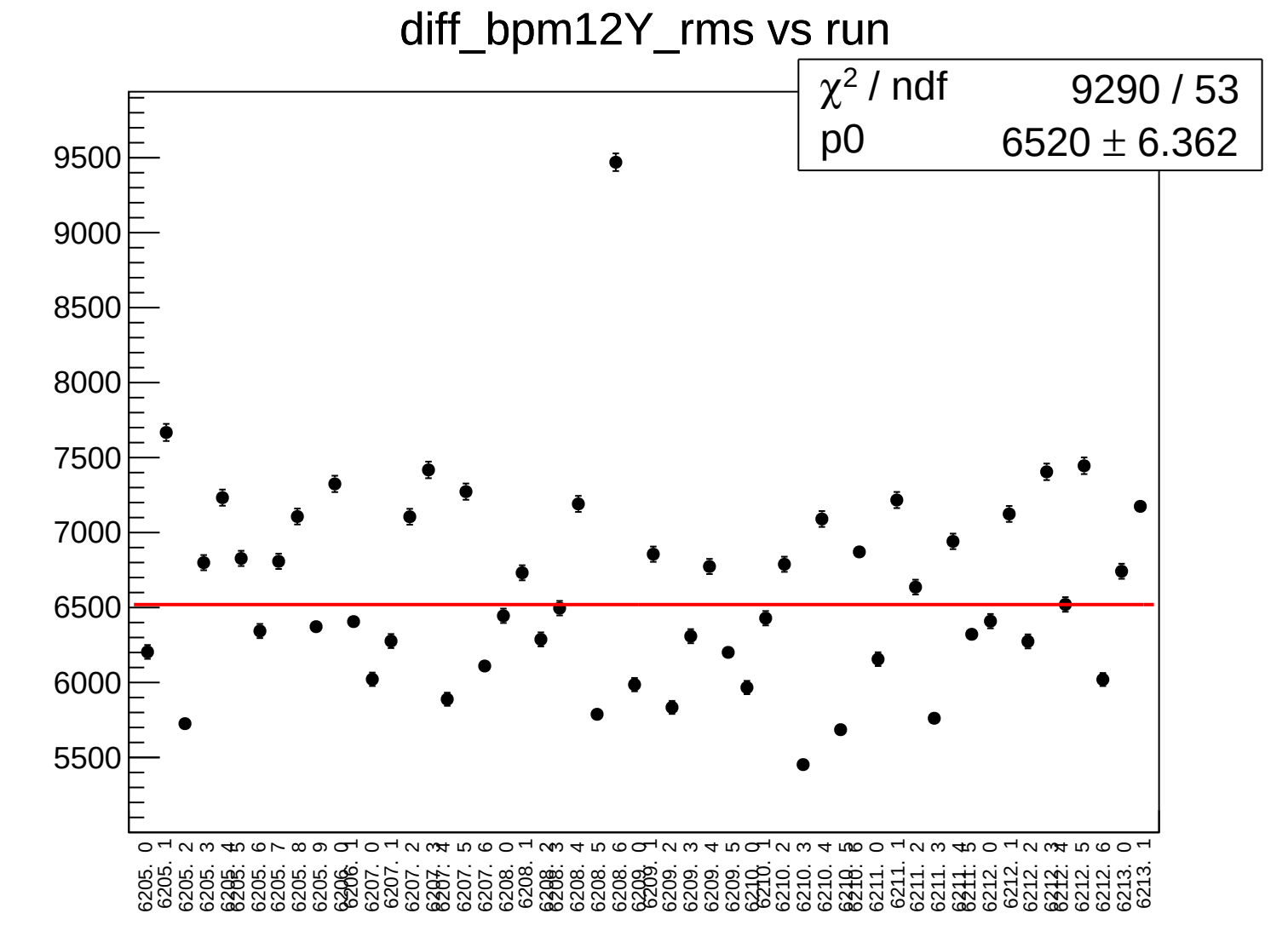

diff_bpm12X_mean vs run
χ² / ndf 41.65 / 53
p0 31.53 ± 55.69
1500
1000
500
0
−500
−1000
pull
Entries 54
Mean −399.4
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

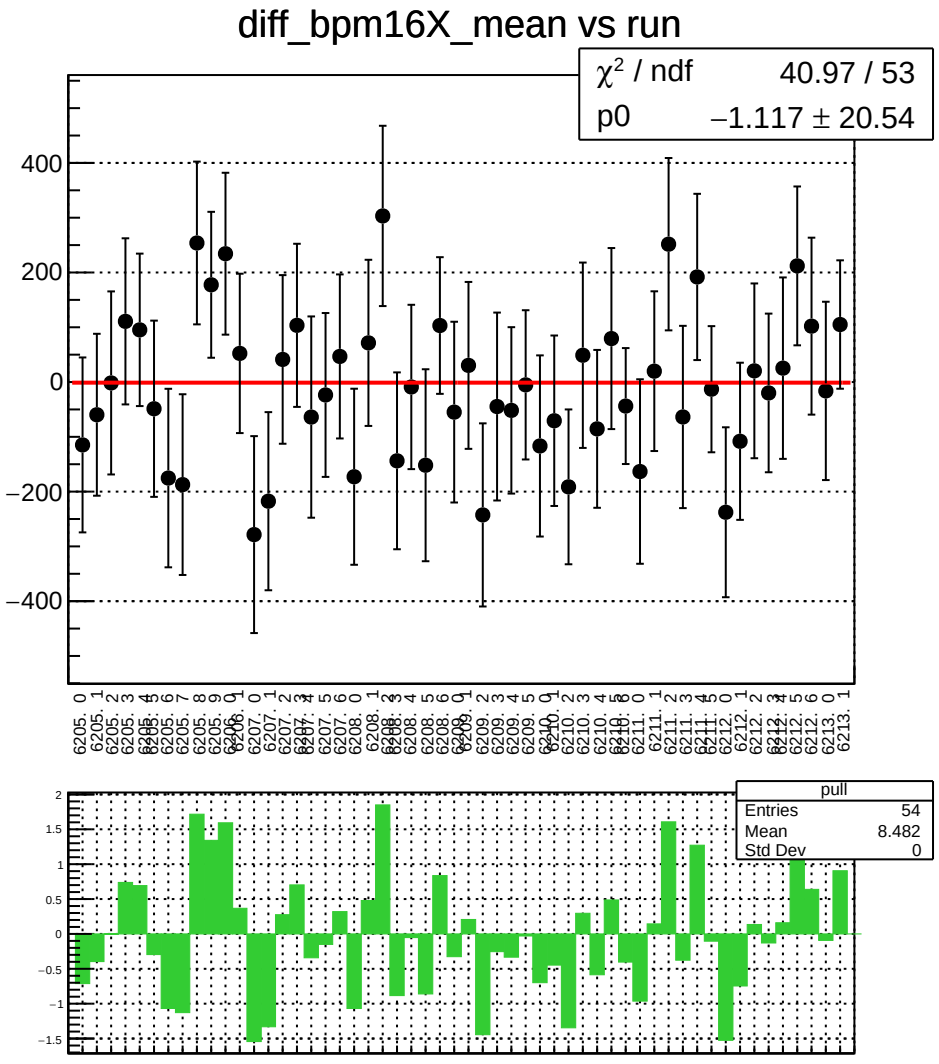

pull1D
Entries 54
Mean −0.002075
Std Dev 0.8782
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

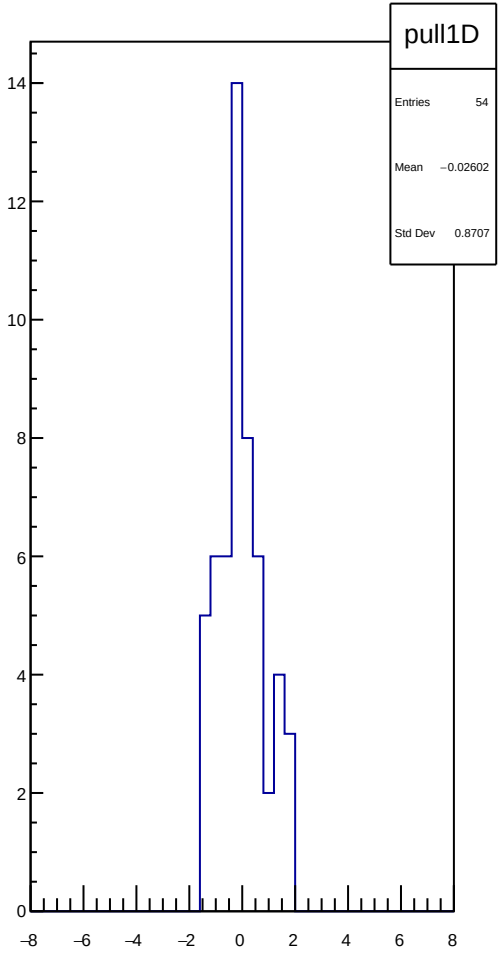

diff_bpm12X_rms vs run
χ² / ndf 1364 / 53
p0 4.051e+04 ± 39.38
44000
43000
42000
41000
40000
39000
38000
37000
36000
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 1
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

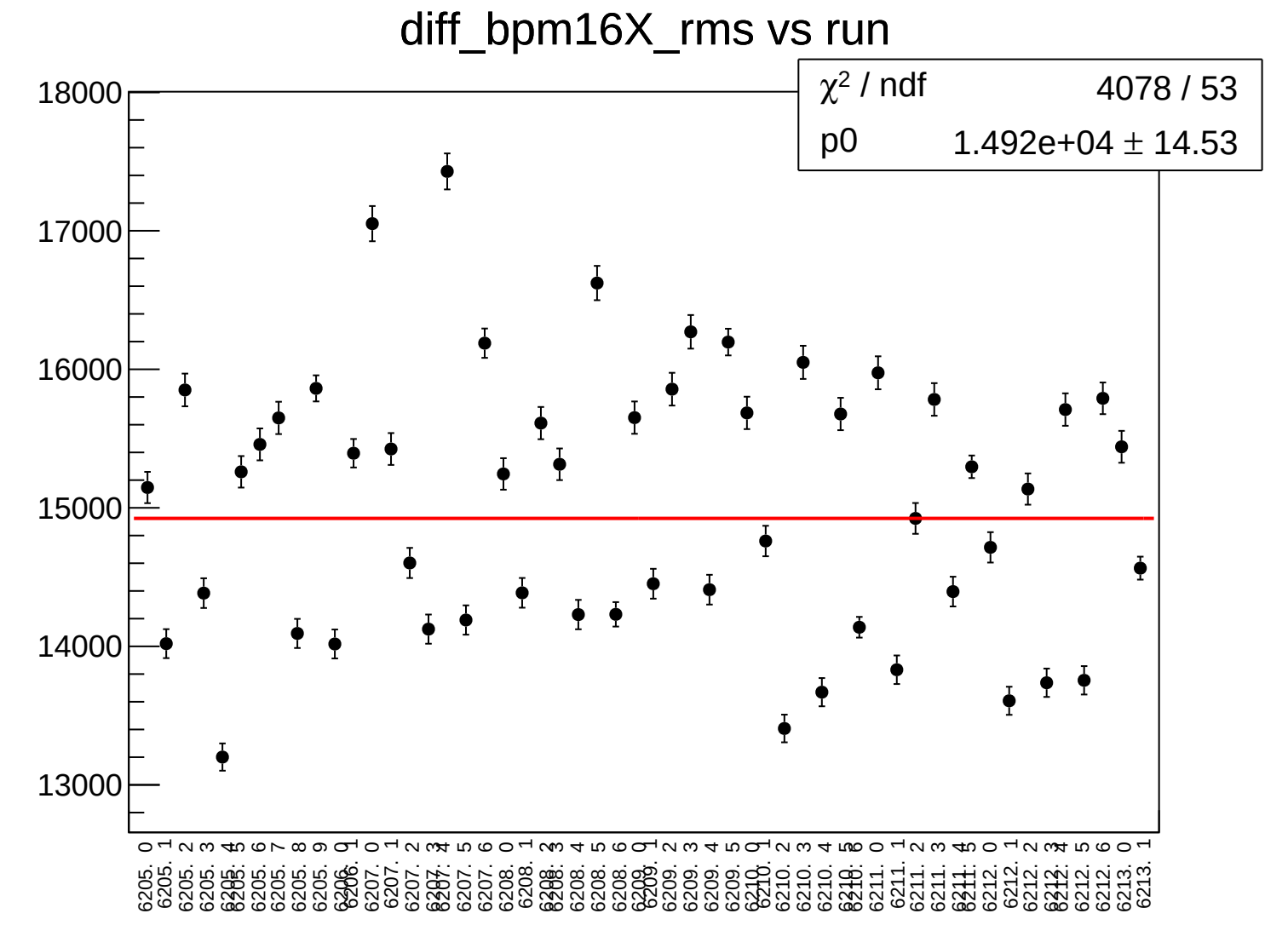

diff_bpm12Y_mean vs run
χ^2 / ndf 40 / 53
p0 5.473 ± 8.997
pull
Entries 54
Mean −34.84
Std Dev 50.28

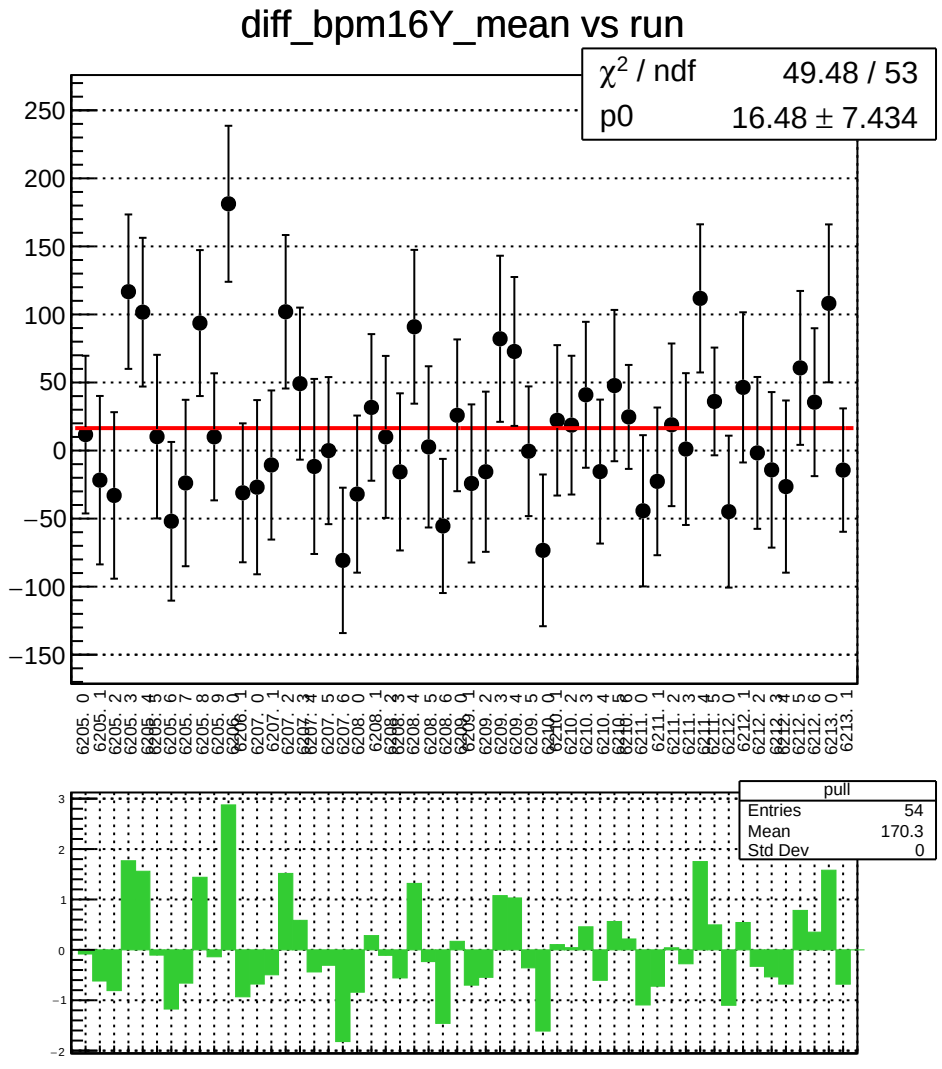

pull1D
Entries 54
Mean 0.007565
Std Dev 0.8606

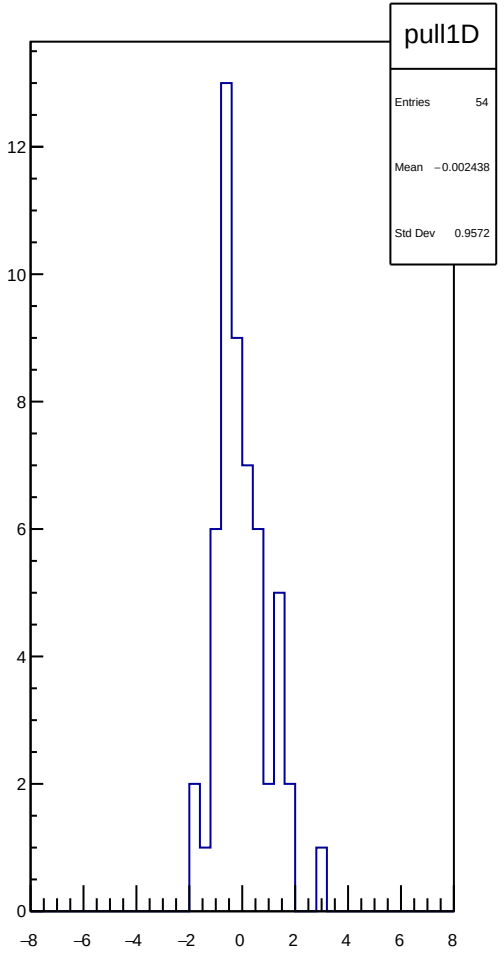

diff_bpm12Y_rms vs run
χ² / ndf 9290 / 53
p0 6520 ± 6.362
9500
9000
8500
8000
7500
7000
6500
6000
5500
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

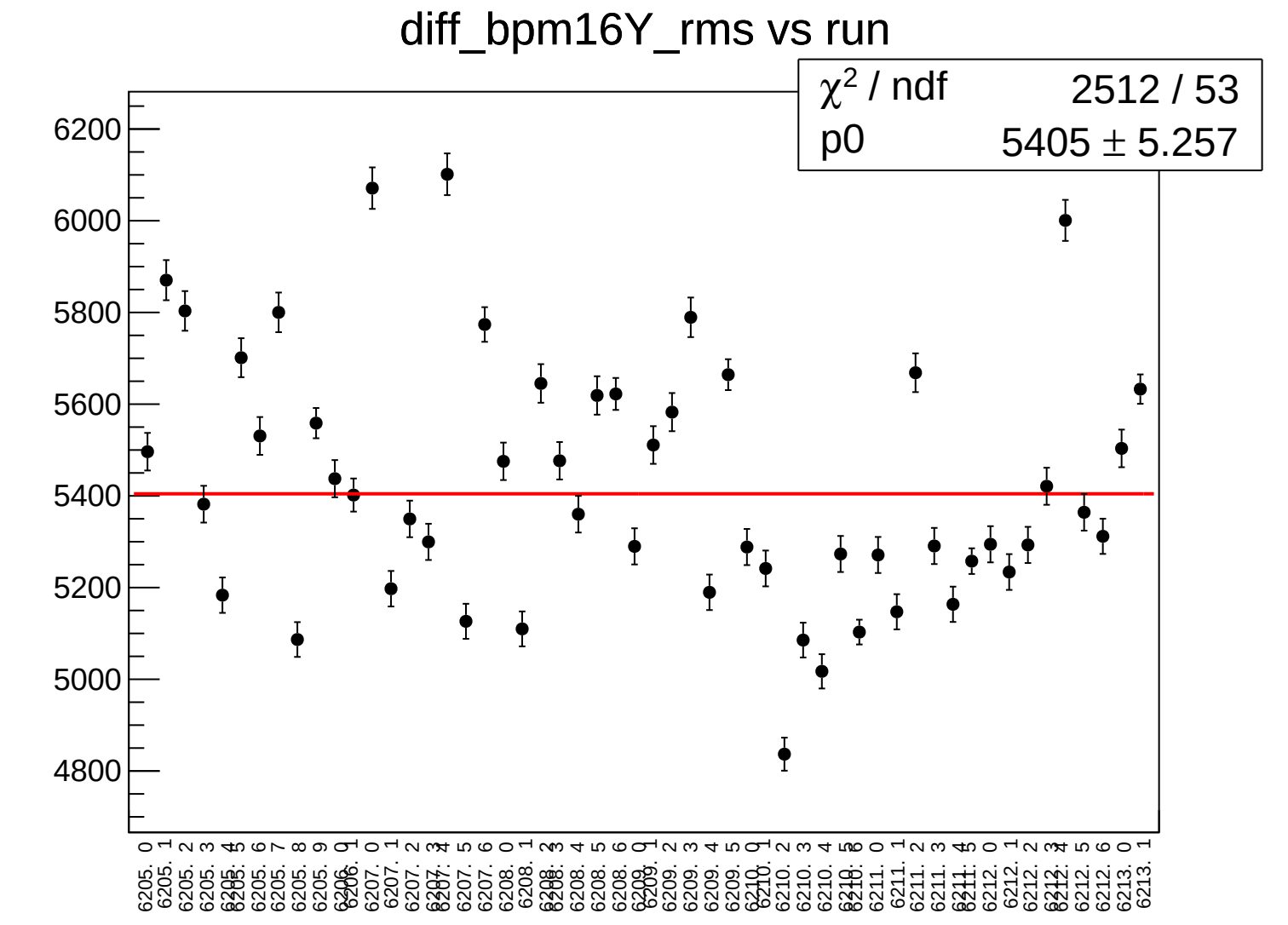

diff_bpm16X_mean vs run
χ² / ndf 40.97 / 53
p0 −1.117 ± 20.54
400
200
0
−200
−400
pull
Entries 54
Mean 8.482
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

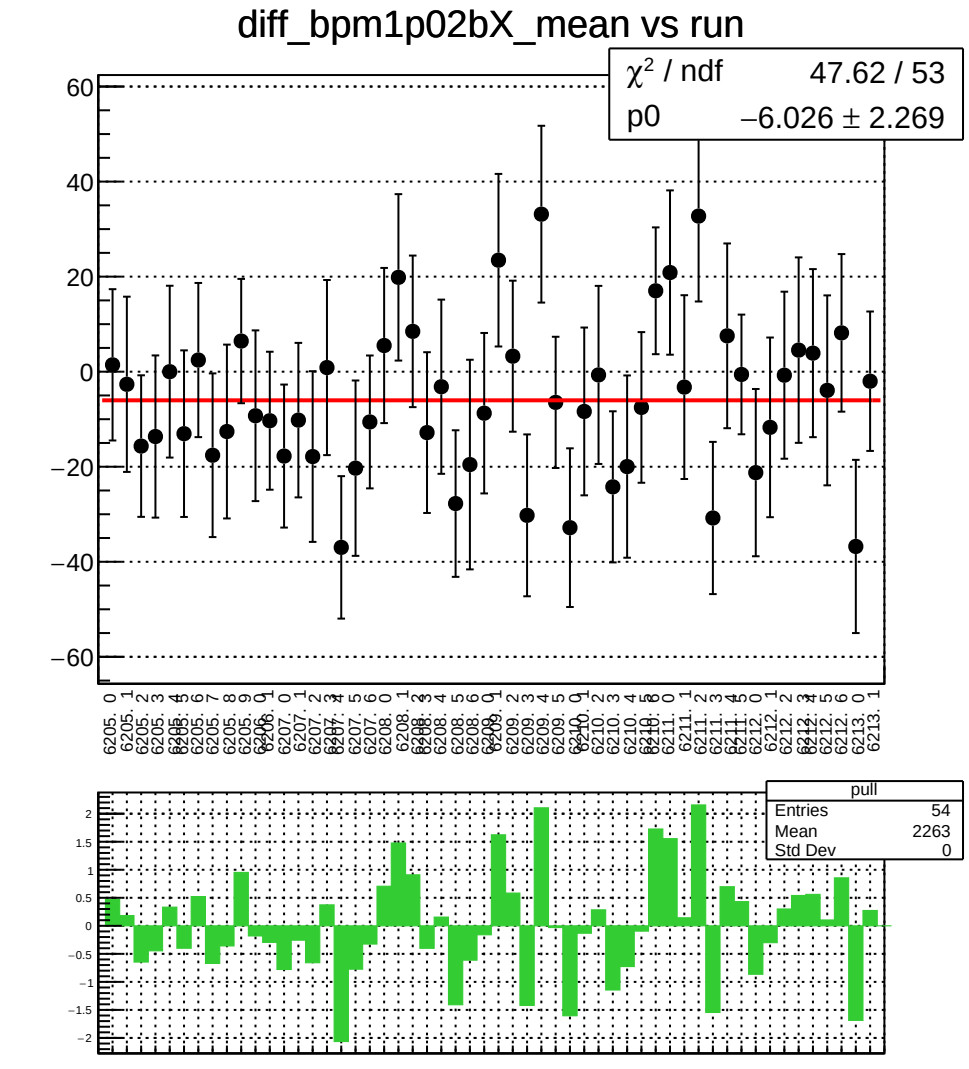

pull1D
Entries 54
Mean −0.02602
Std Dev 0.8707
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

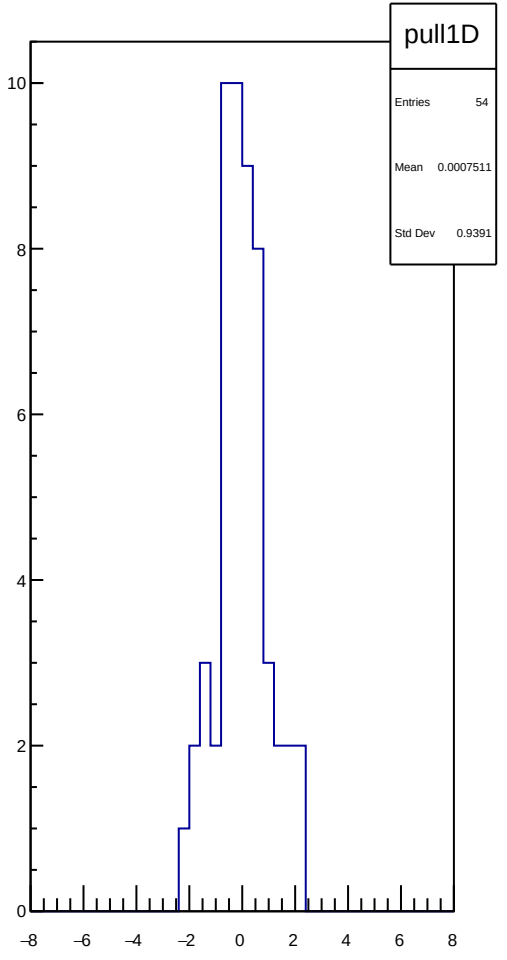

diff_bpm16X_rms vs run
χ² / ndf 4078 / 53
p0 1.492e+04 ± 14.53
18000
17000
16000
15000
14000
13000
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

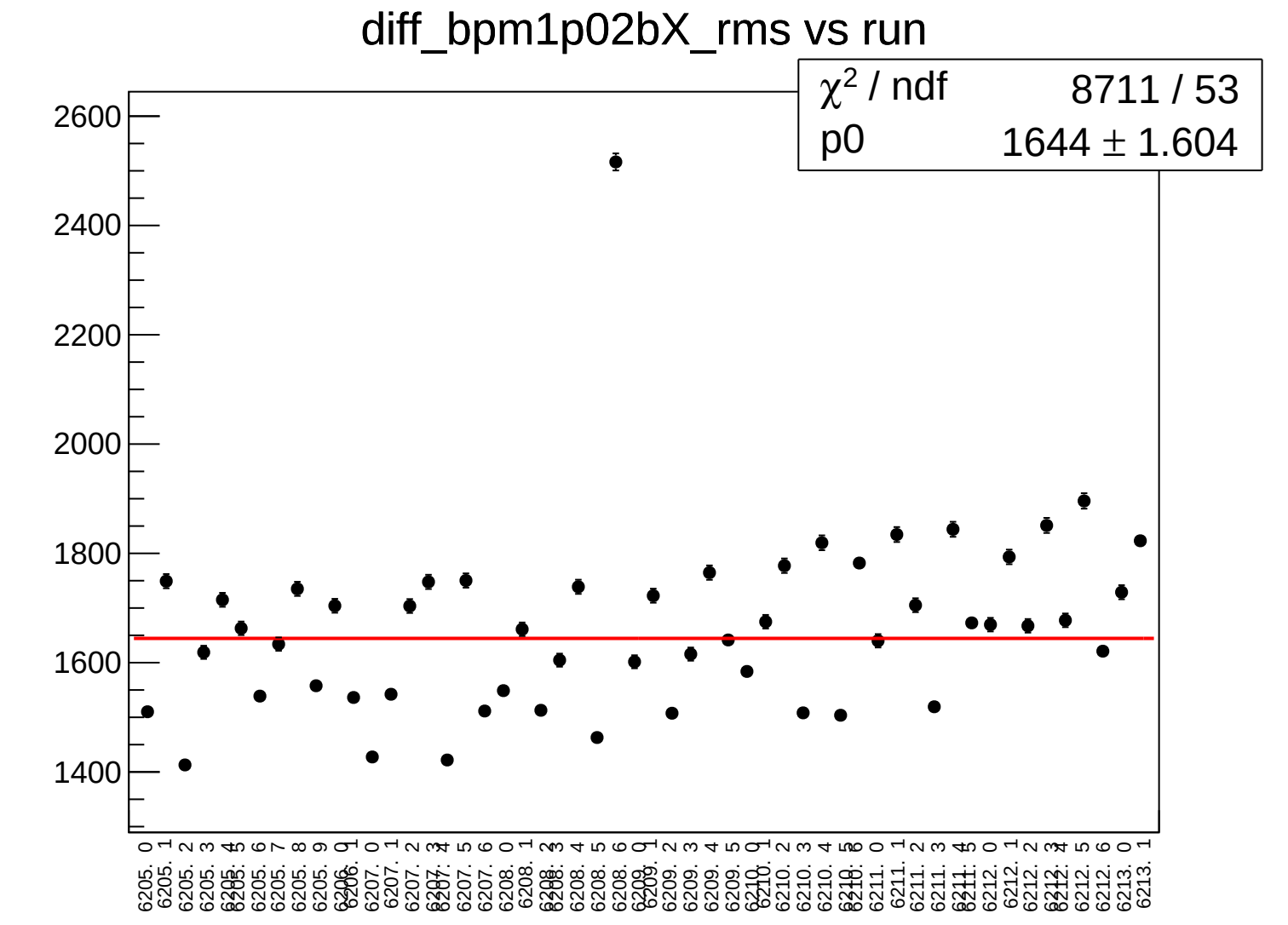

diff_bpm16Y_mean vs run
χ² / ndf 49.48 / 53
p0 16.48 ± 7.434
pull
Entries 54
Mean 170.3
Std Dev 0

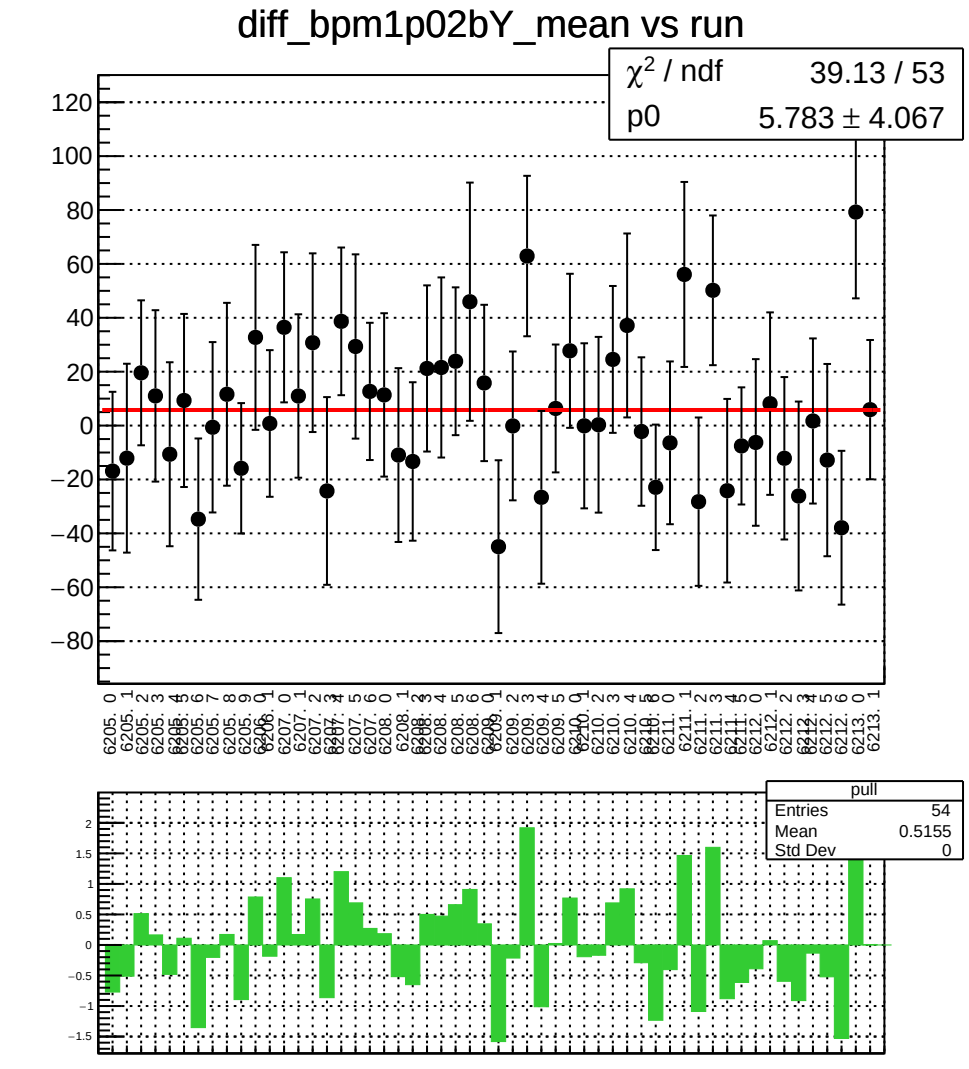

pull1D
Entries 54
Mean −0.002438
Std Dev 0.9572

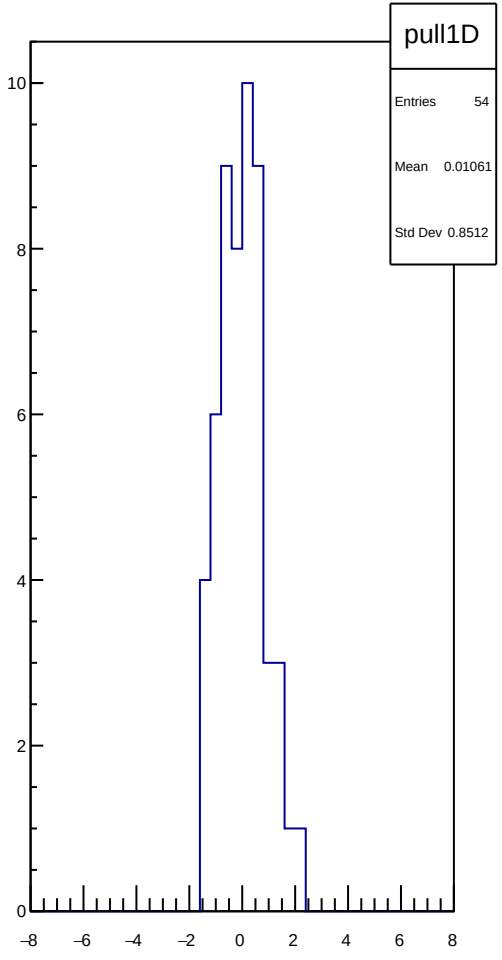

diff_bpm16Y_rms vs run
χ² / ndf 2512 / 53
p0 5405 ± 5.257
6200
6000
5800
5600
5400
5200
5000
4800
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

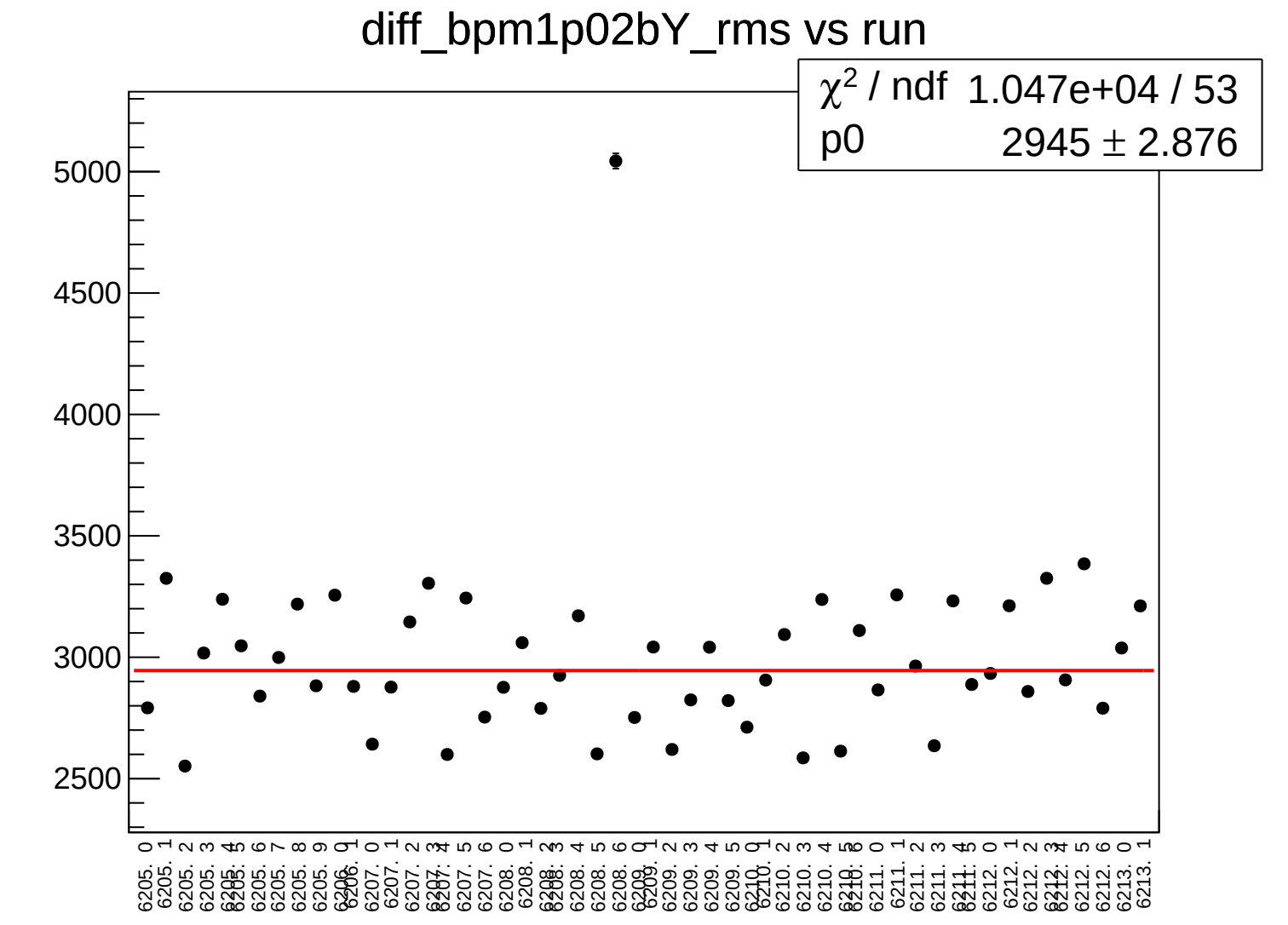

diff_bpm1p02bX_mean vs run
χ² / ndf 47.62 / 53
p0 −6.026 ± 2.269
pull
Entries 54
Mean 2263
Std Dev 0

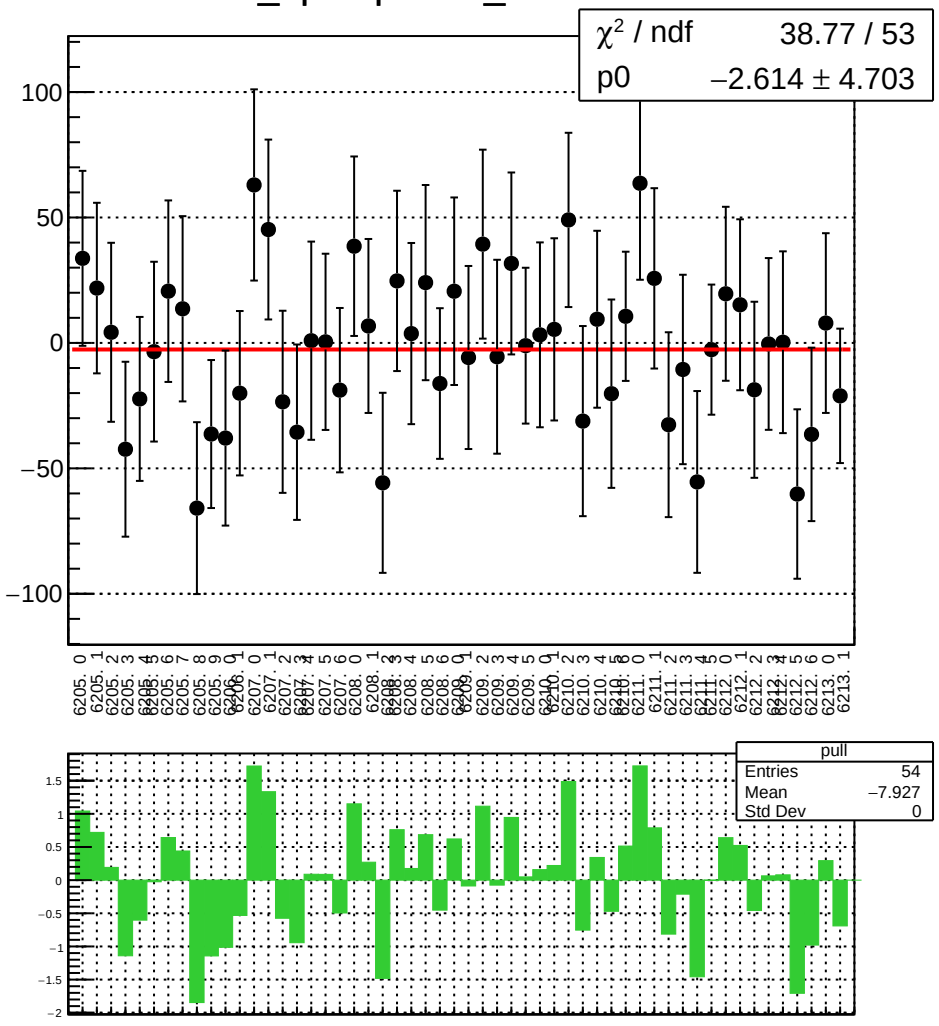

pull1D
Entries 54
Mean 0.0007511
Std Dev 0.9391

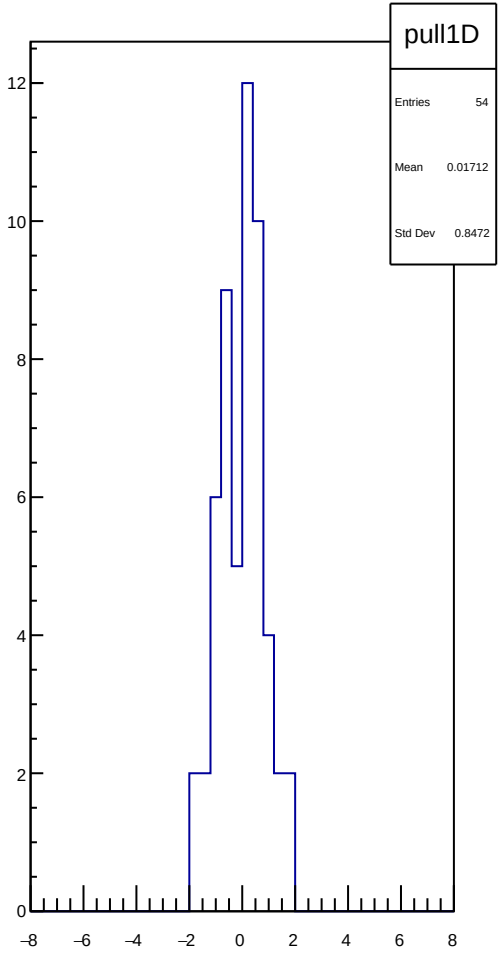

diff_bpm1p02bX_rms vs run
χ² / ndf 8711 / 53
p0 1644 ± 1.604
2600
2400
2200
2000
1800
1600
1400
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

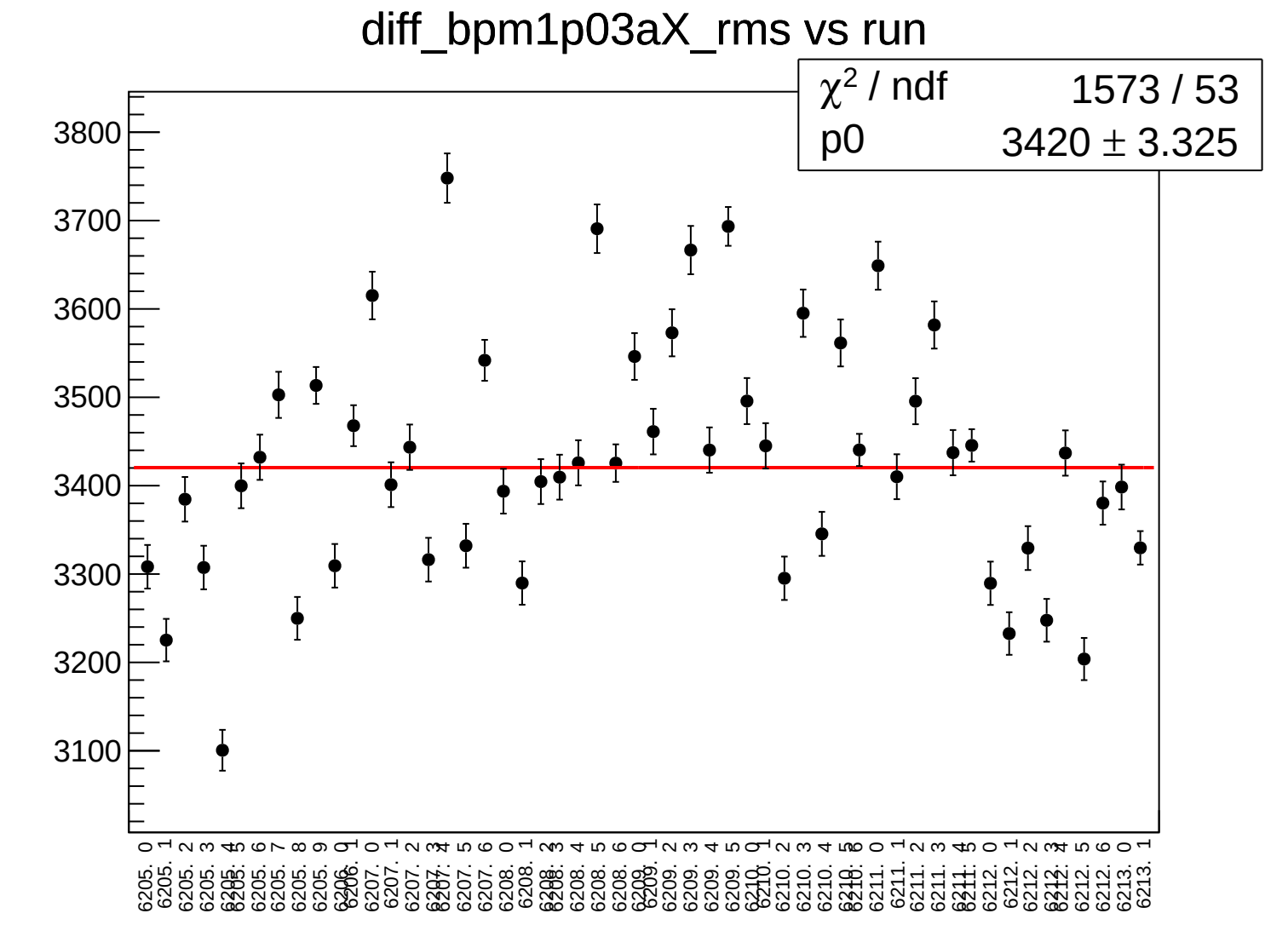

diff_bpm1p02bY_mean vs run
χ² / ndf 39.13 / 53
p0 5.783 ± 4.067
pull
Entries 54
Mean 0.5155
Std Dev 0

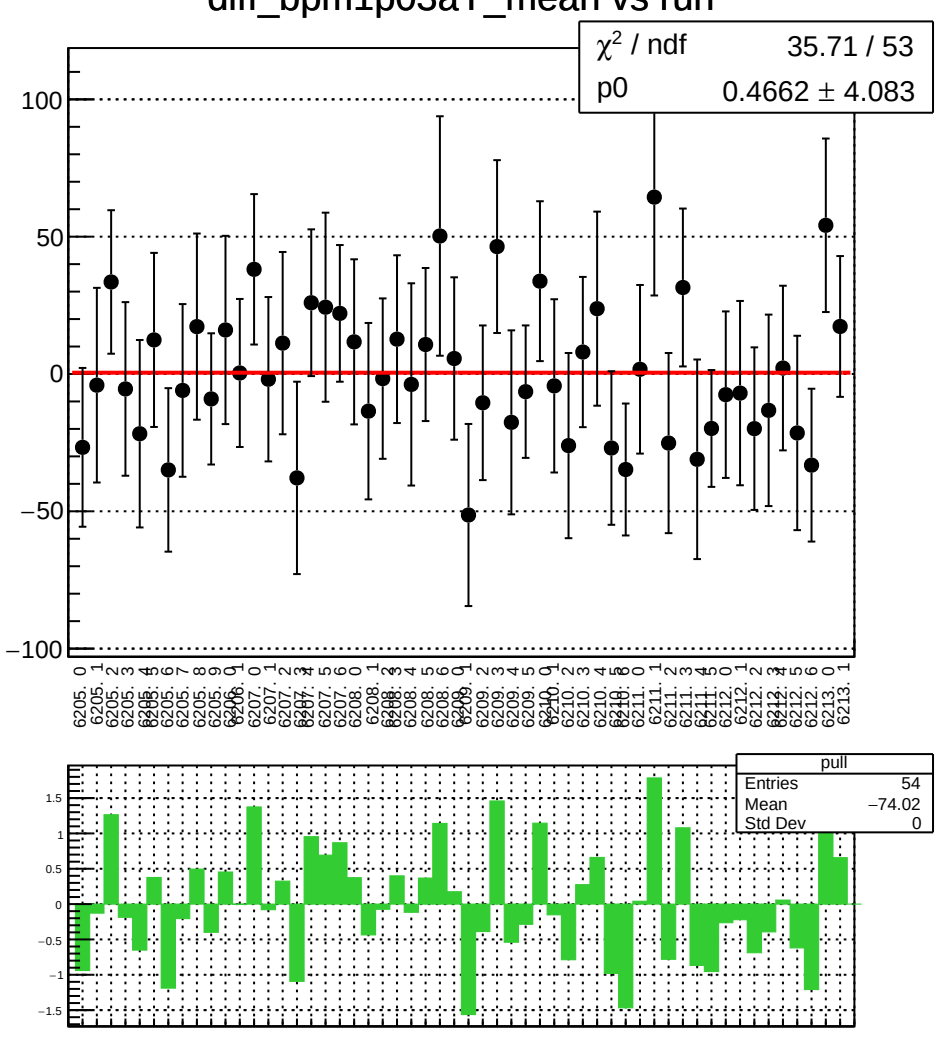

pull1D
Entries 54
Mean 0.01061
Std Dev 0.8512

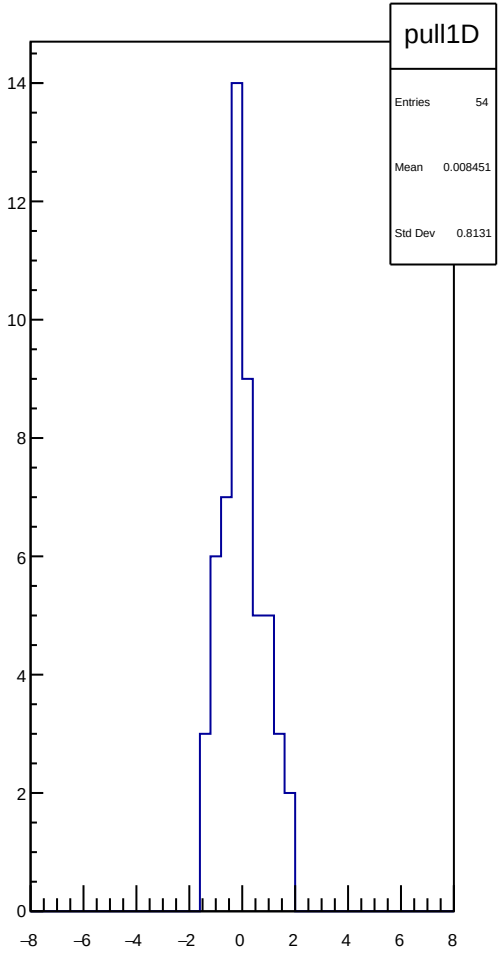

diff_bpm1p02bY_rms vs run
χ² / ndf 1.047e+04 / 53
p0 2945 ± 2.876
5000
4500
4000
3500
3000
2500

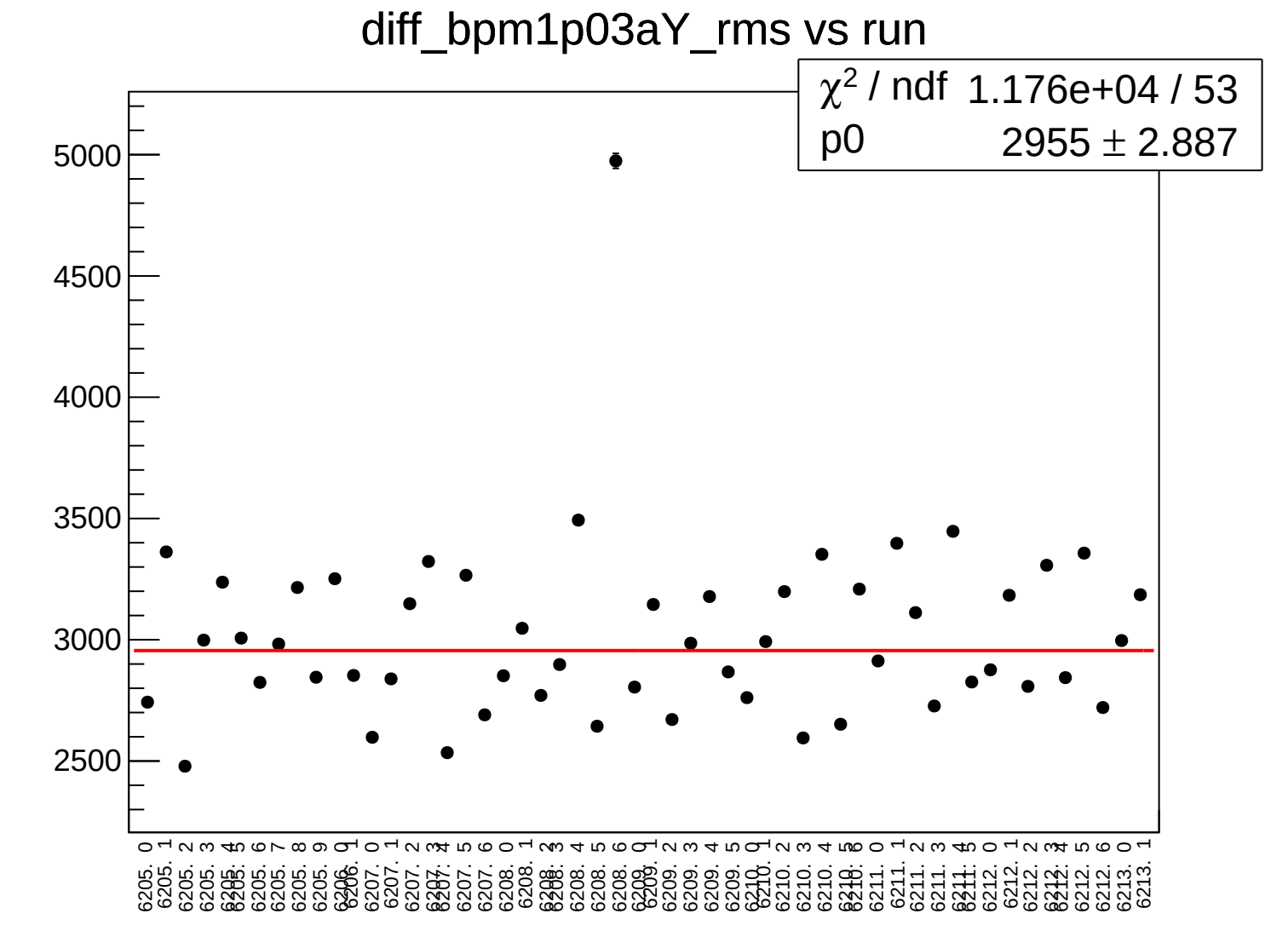

diff_bpm1p03aX_mean vs run
χ² / ndf 38.77 / 53
p0 −2.614 ± 4.703
pull
Entries 54
Mean −7.927
Std Dev 0

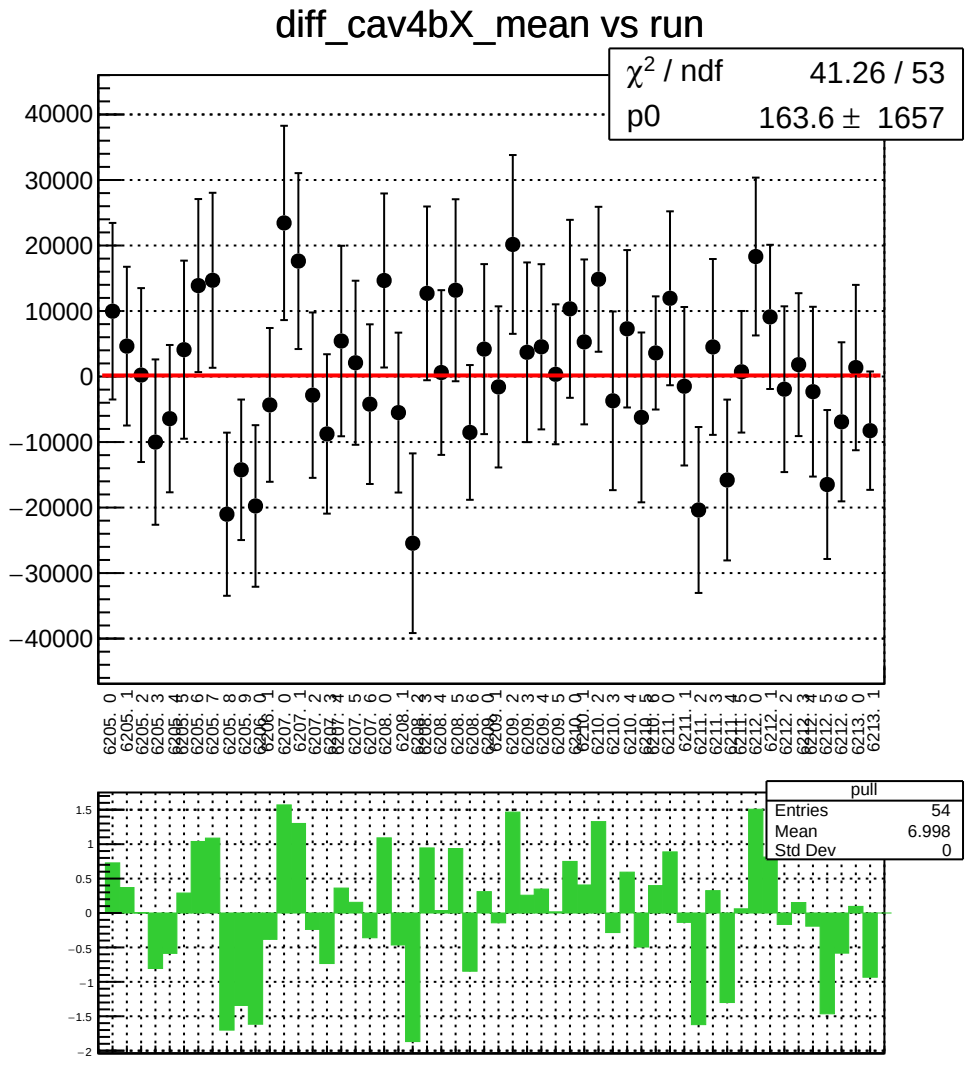

pull1D
Entries 54
Mean 0.01712
Std Dev 0.8472

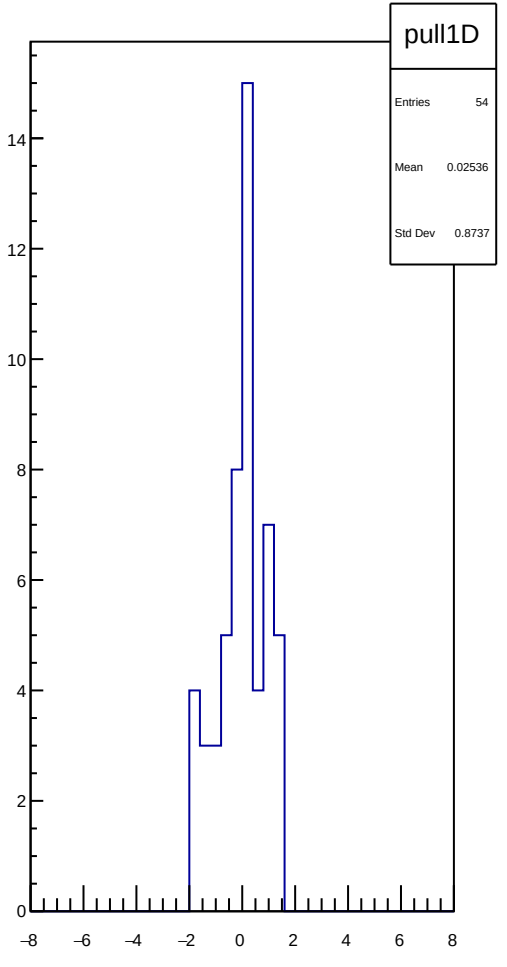

diff_bpm1p03aX_rms vs run
χ² / ndf 1573 / 53
p0 3420 ± 3.325
3800
3700
3600
3500
3400
3300
3200
3100
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

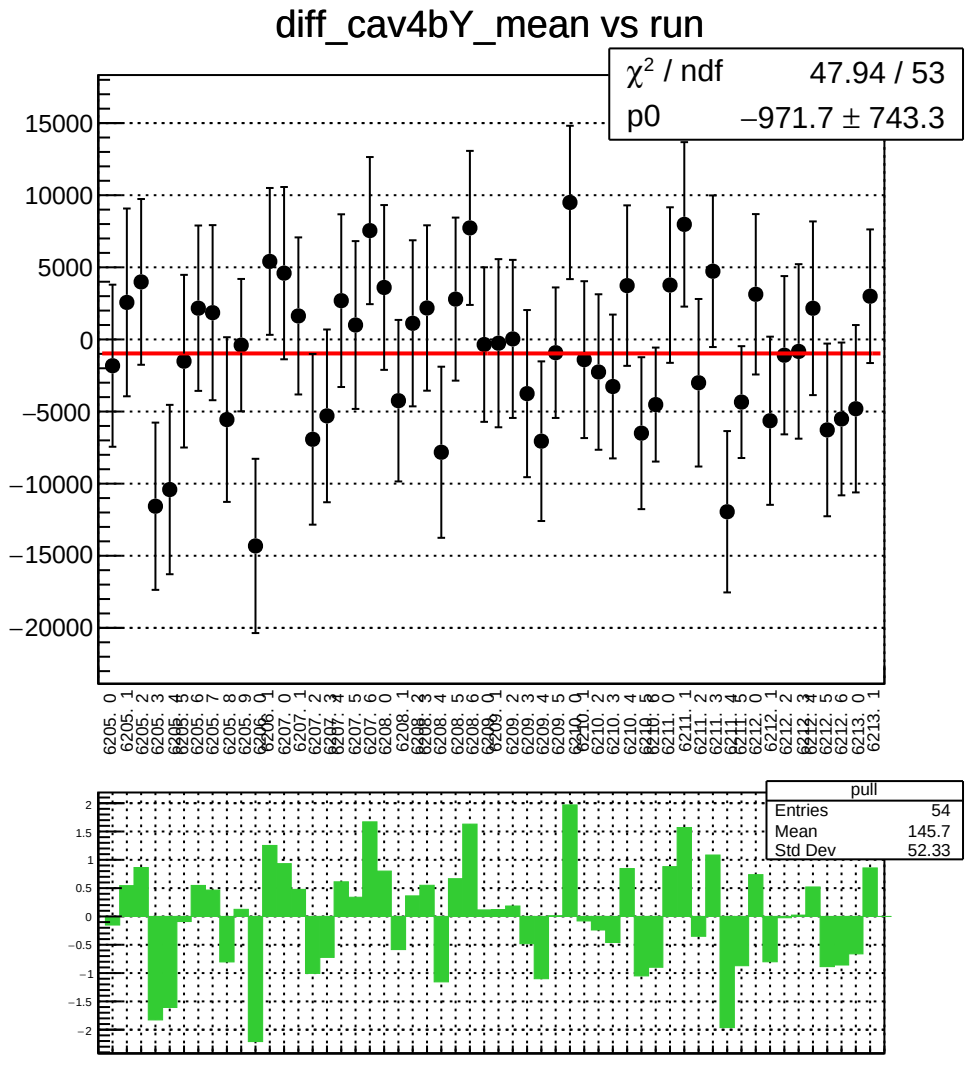

diff_bpm1p03aY_mean vs run
χ² / ndf 35.71 / 53
p0 0.4662 ± 4.083
pull
Entries 54
Mean −74.02
Std Dev 0

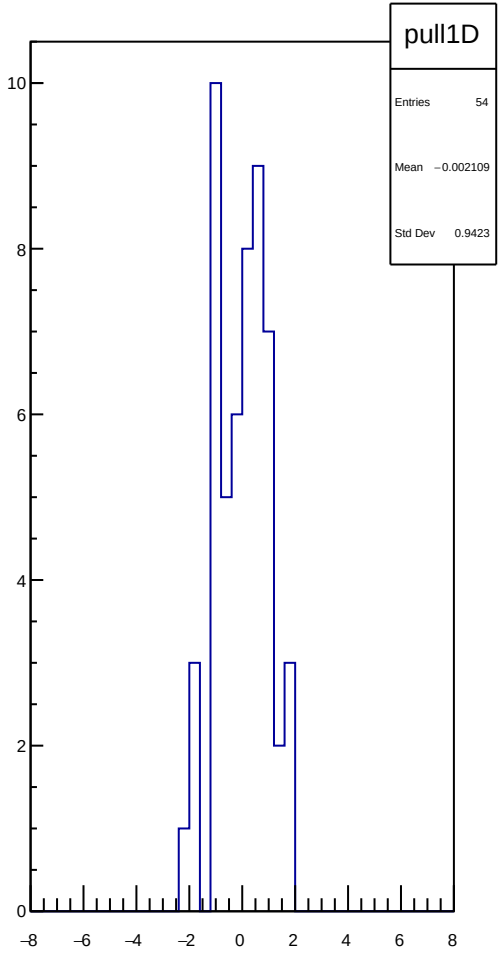

pull1D
Entries 54
Mean 0.008451
Std Dev 0.8131

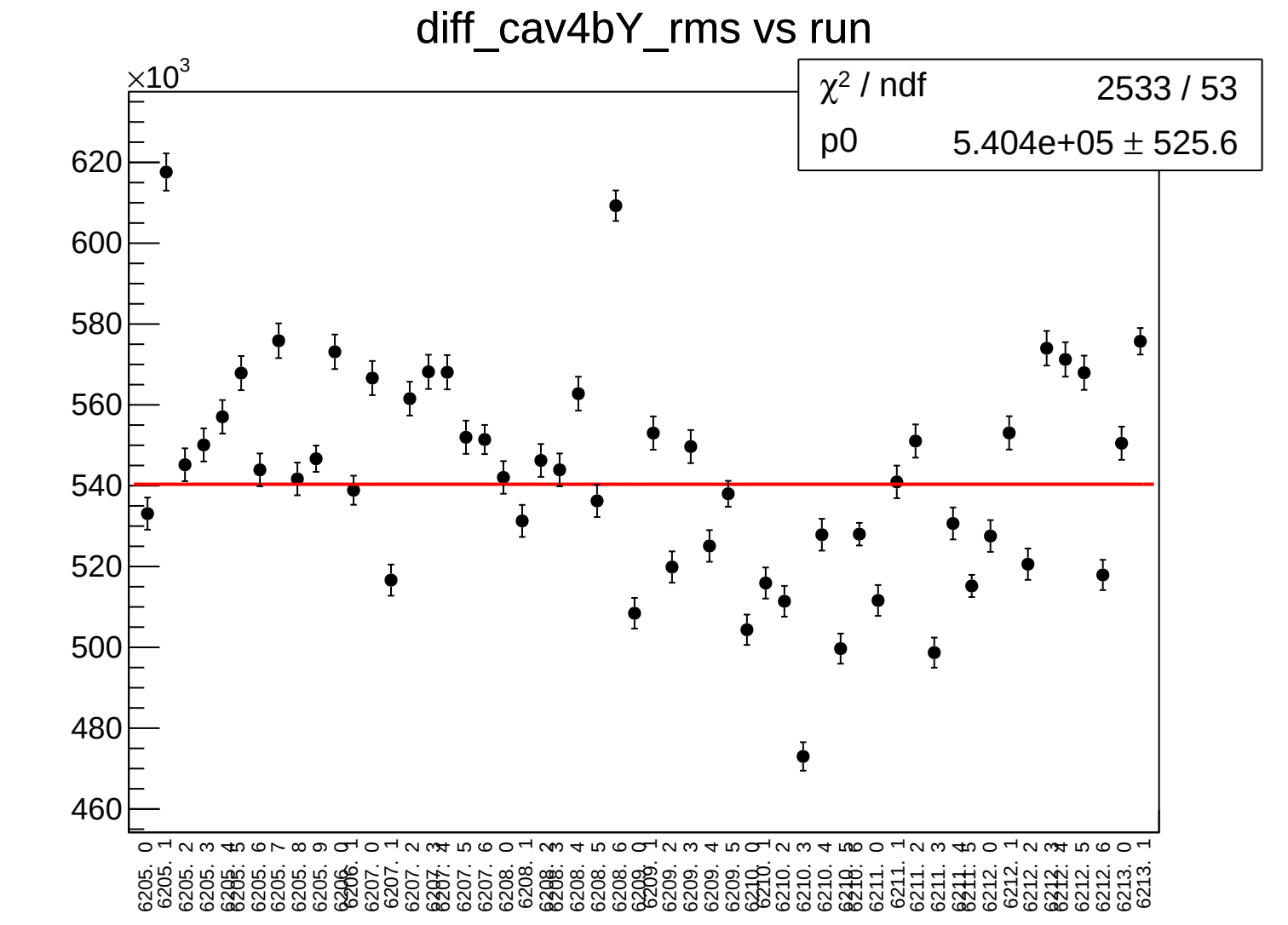

diff_bpm1p03aY_rms vs run
χ² / ndf 1.176e+04 / 53
p0 2955 ± 2.887
5000
4500
4000
3500
3000
2500
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

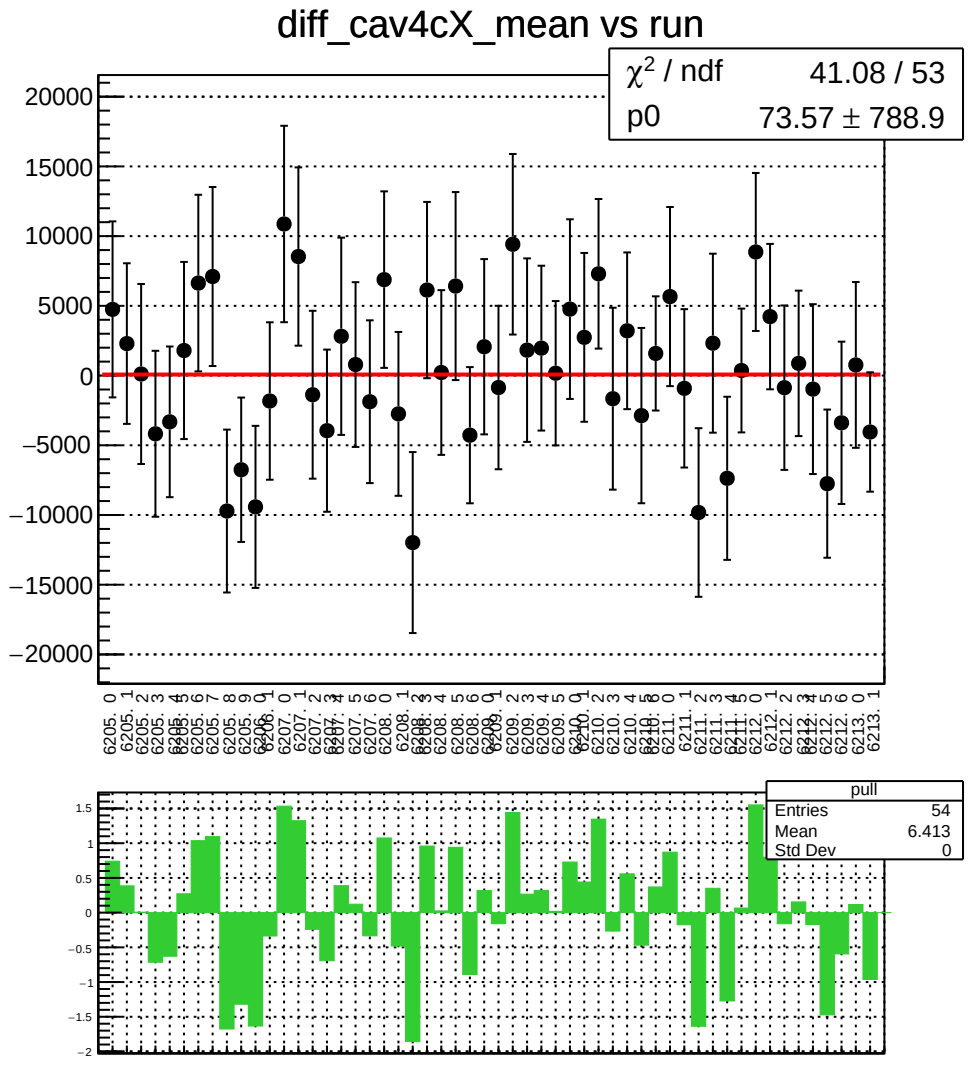

diff_cav4bX_mean vs run
χ² / ndf 41.26 / 53
p0 163.6 ± 1657
pull
Entries 54
Mean 6.998
Std Dev 0

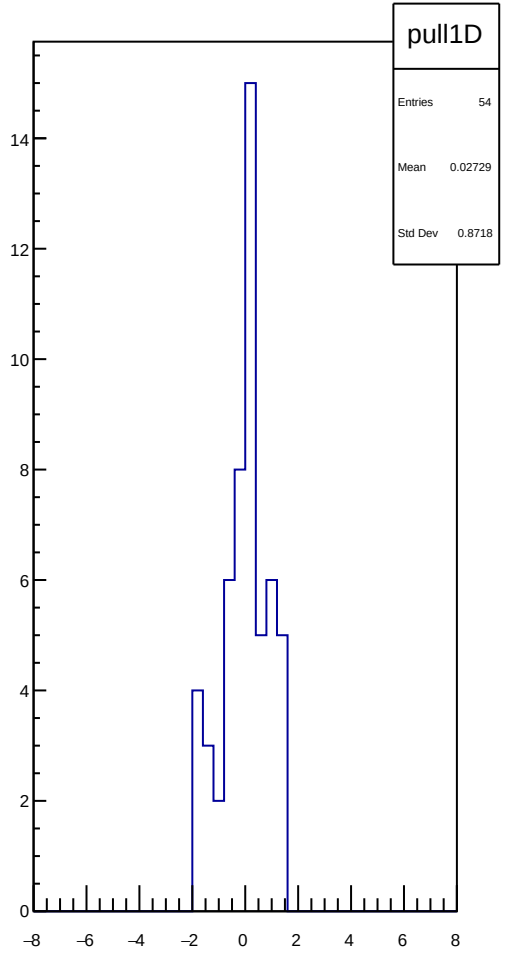

pull1D
Entries 54
Mean 0.02536
Std Dev 0.8737

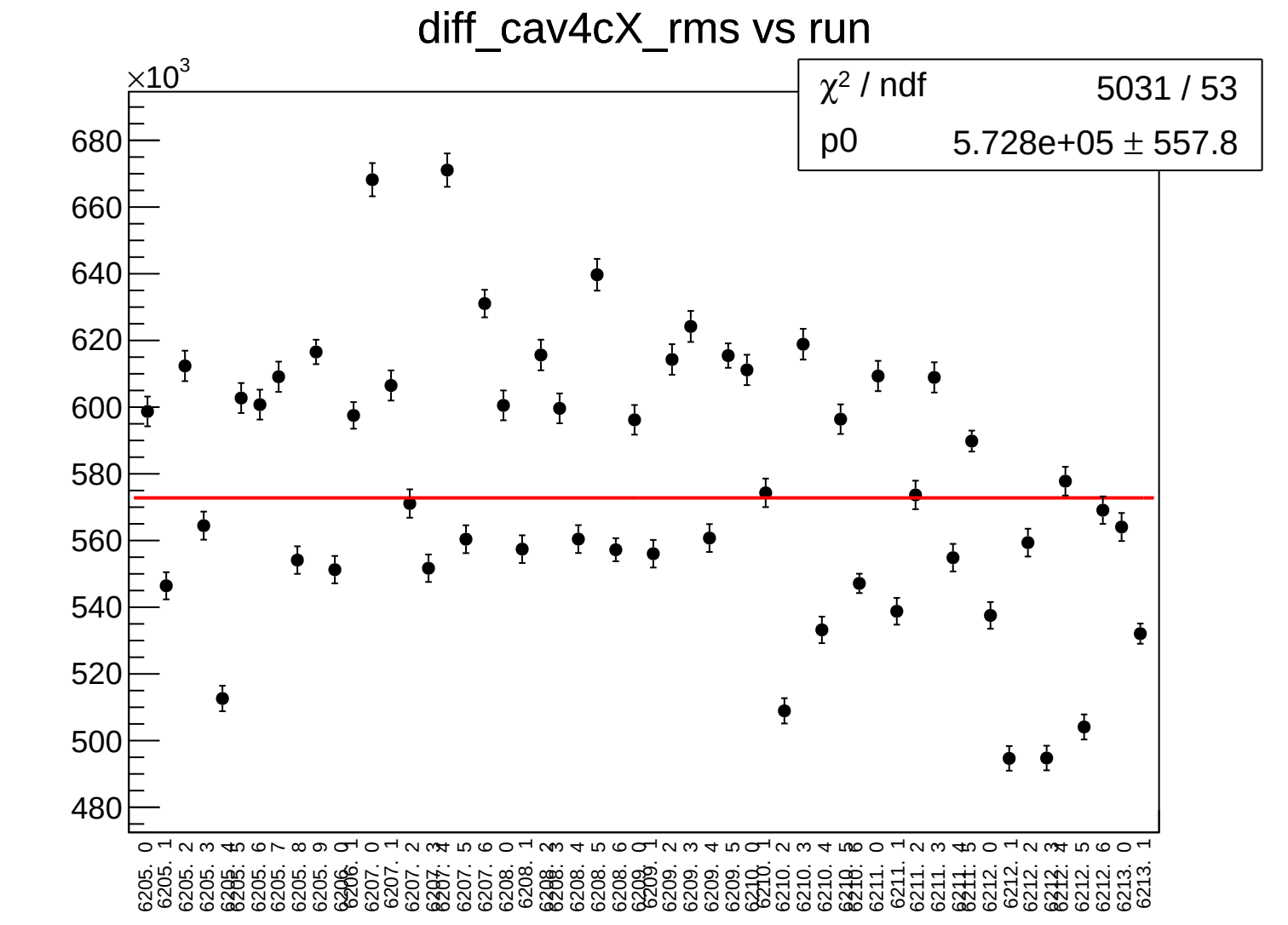

diff_cav4bY_mean vs run
χ² / ndf 47.94 / 53
p0 −971.7 ± 743.3
pull
Entries 54
Mean 145.7
Std Dev 52.33

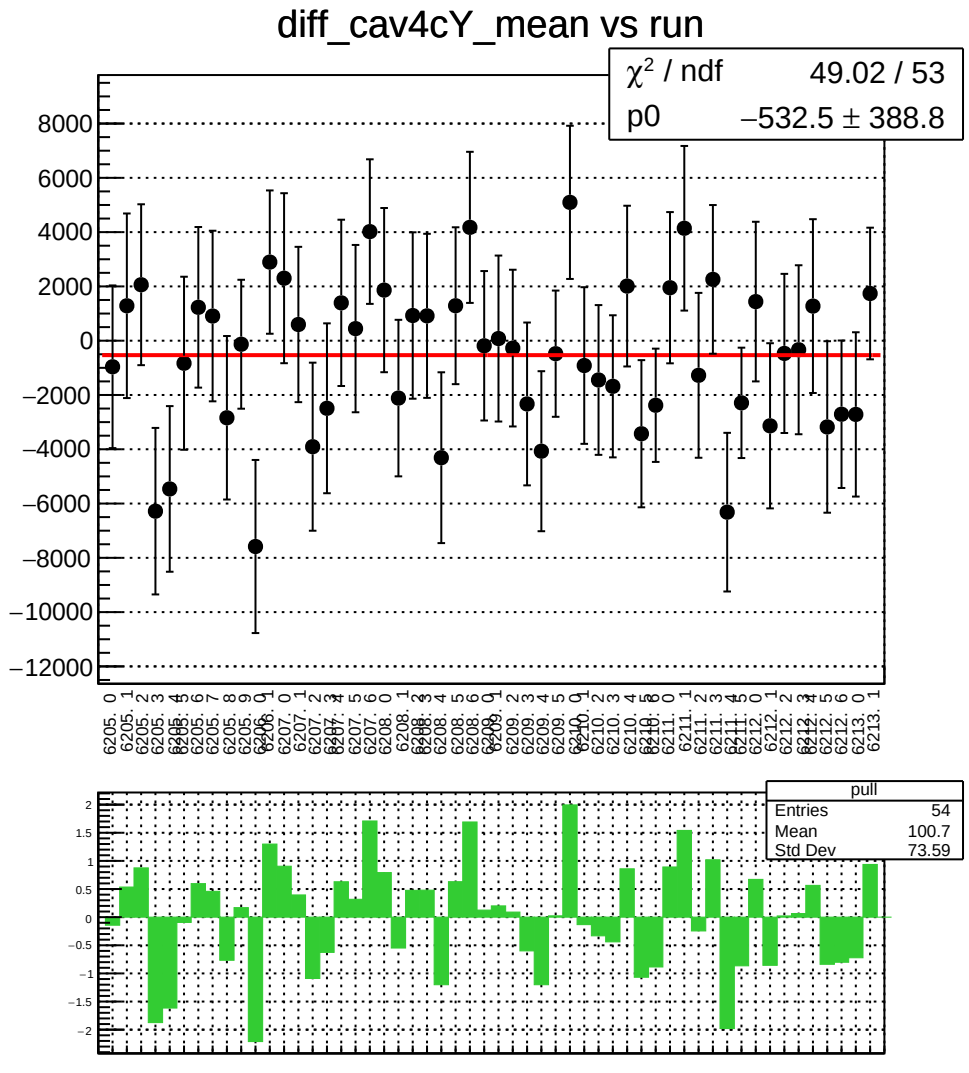

pull1D
Entries 54
Mean −0.002109
Std Dev 0.9423

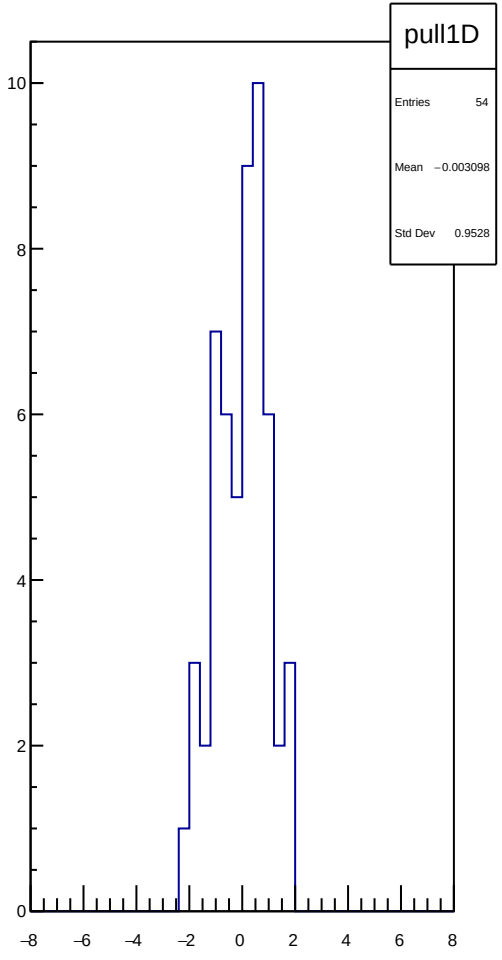

diff_cav4bY_rms vs run
×10^3
χ² / ndf 2533 / 53
p0 5.404e+05 ± 525.6
620
600
580
560
540
520
500
480
460

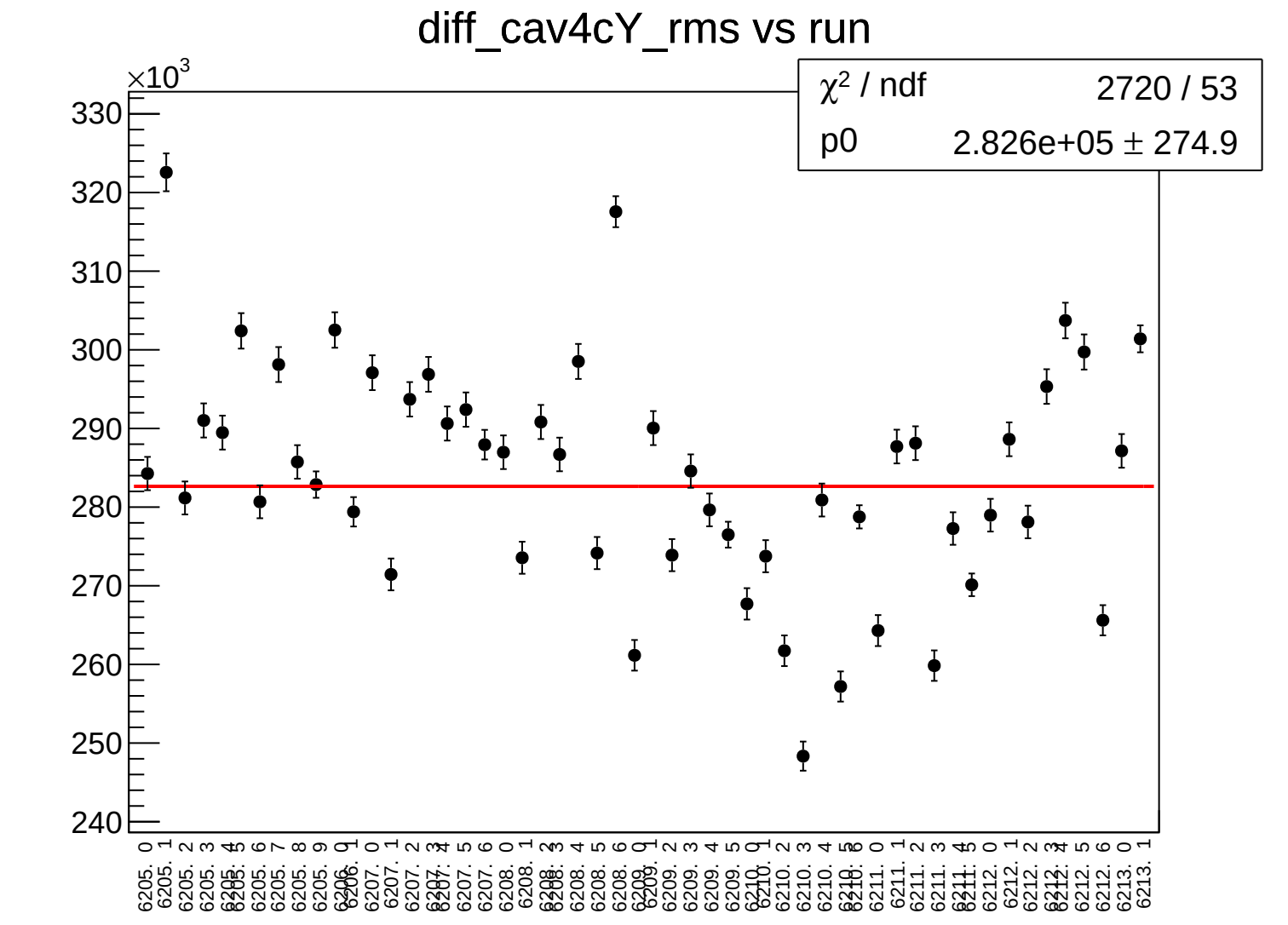

diff_cav4cX_mean vs run
χ² / ndf 41.08 / 53
p0 73.57 ± 788.9
pull
Entries 54
Mean 6.413
Std Dev 0

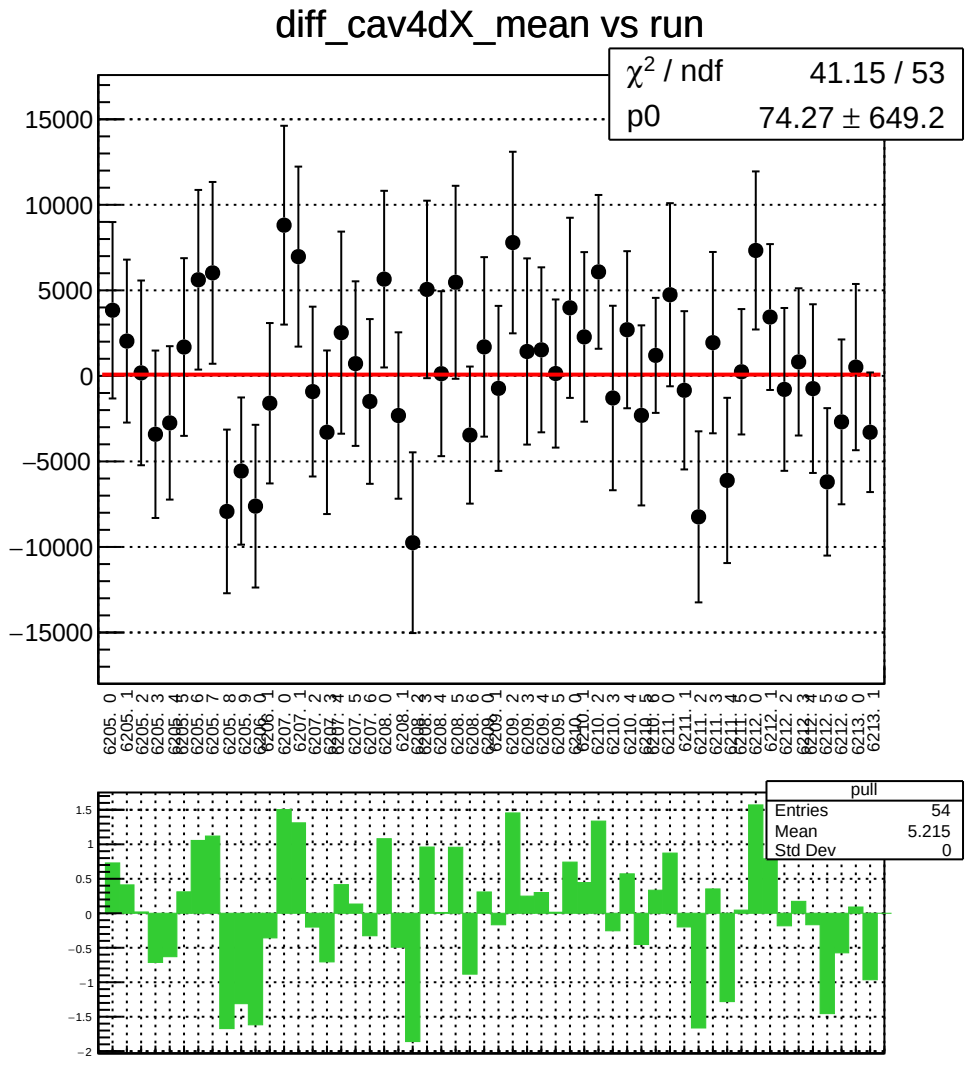

pull1D
Entries 54
Mean 0.02729
Std Dev 0.8718

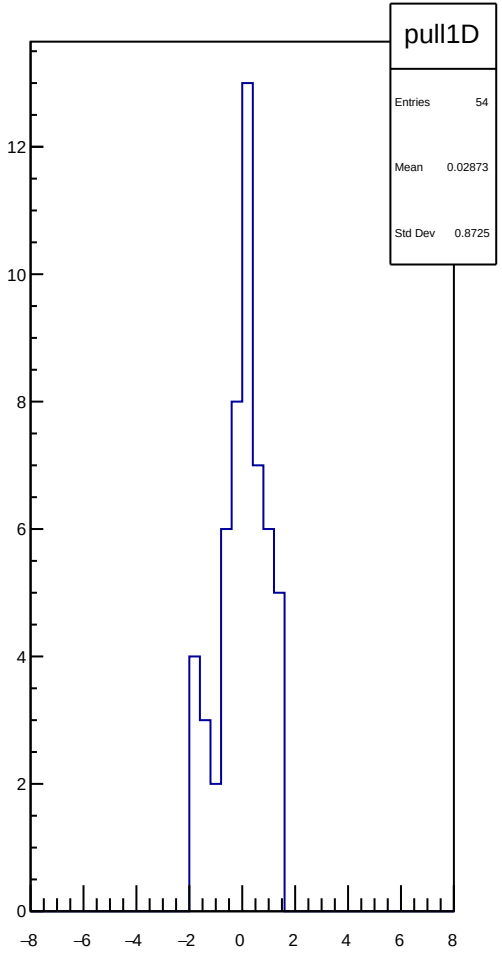

diff_cav4cX_rms vs run
χ² / ndf 5031 / 53
p0 5.728e+05 ± 557.8
×10³
680
660
640
620
600
580
560
540
520
500
480
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

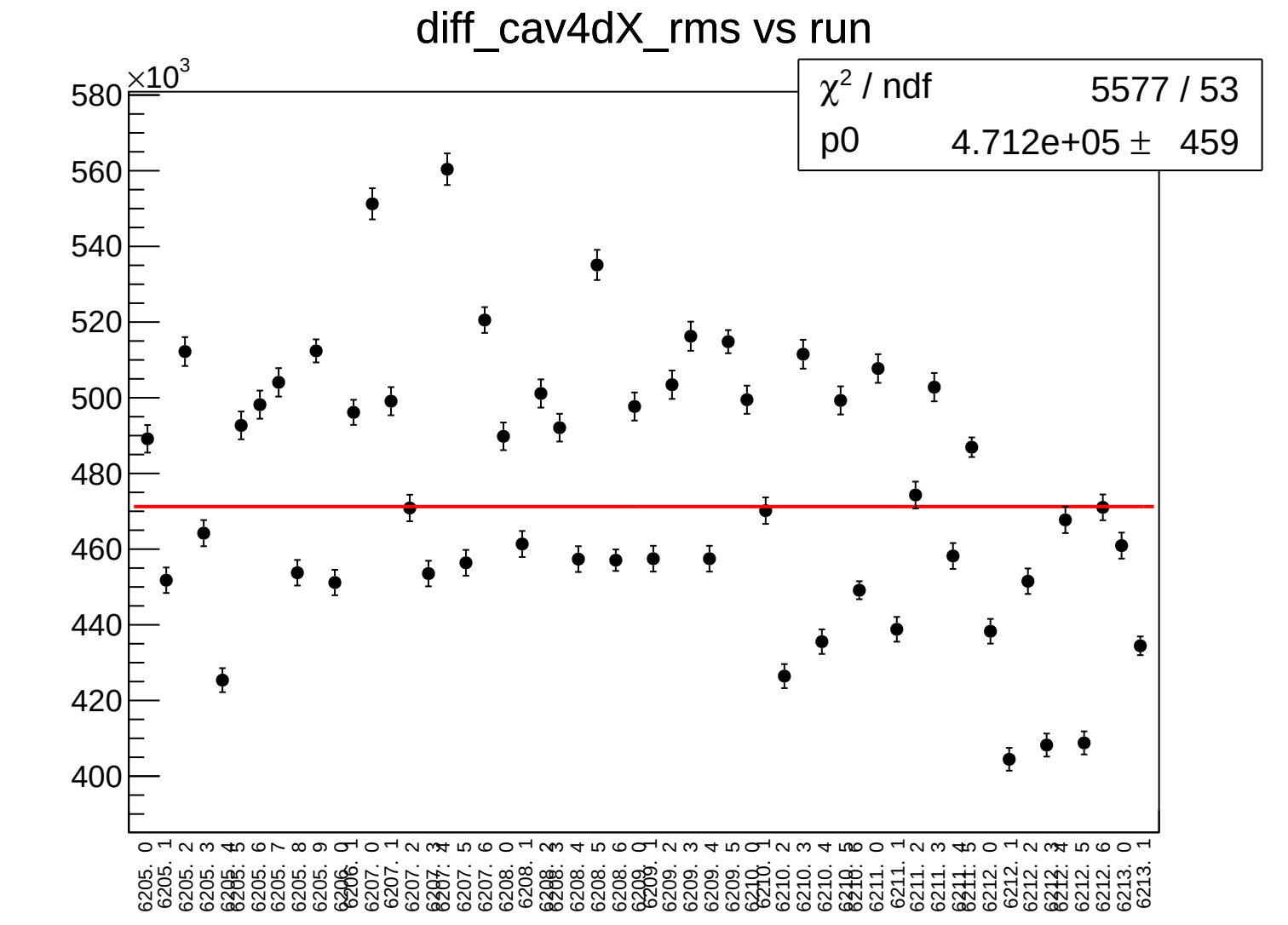

diff_cav4cY_mean vs run
χ² / ndf 49.02 / 53
p0 −532.5 ± 388.8
pull
Entries 54
Mean 100.7
Std Dev 73.59

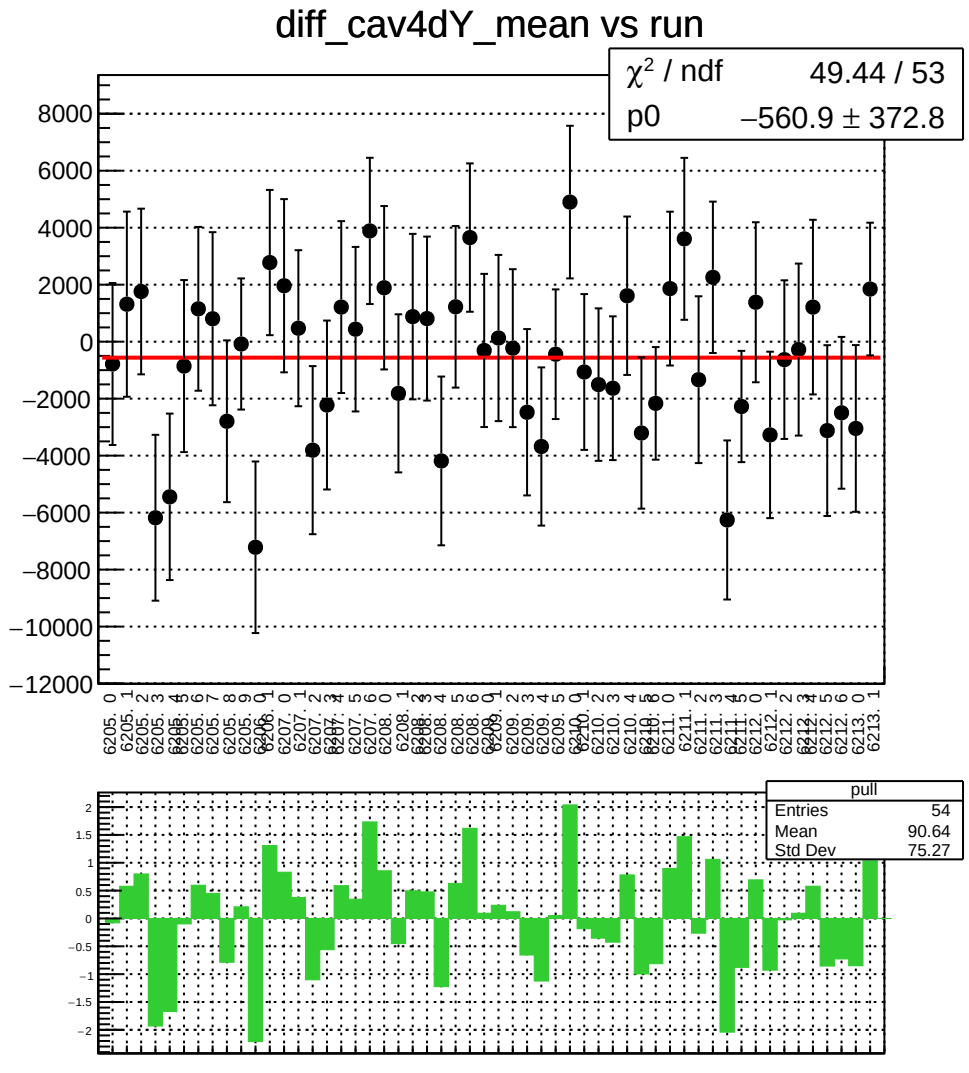

pull1D
Entries 54
Mean −0.003098
Std Dev 0.9528

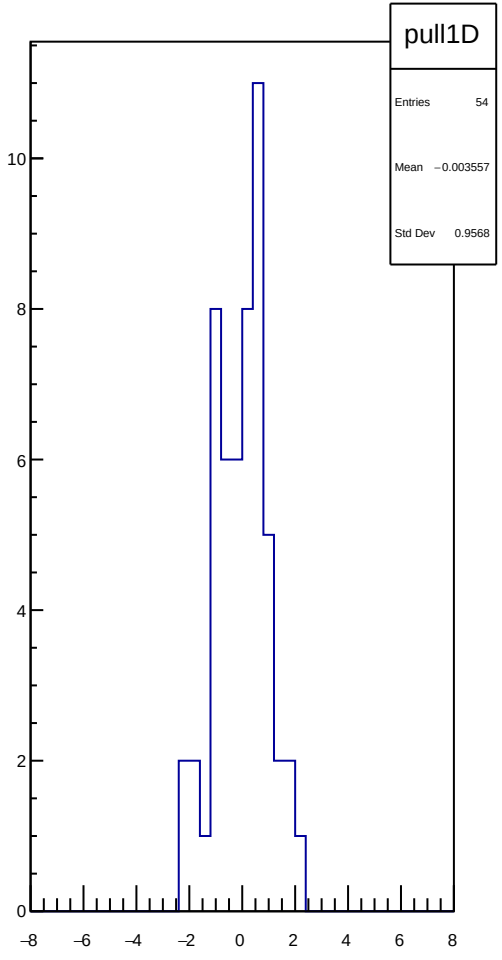

diff_cav4cY_rms vs run
×10^3
χ² / ndf 2720 / 53
p0 2.826e+05 ± 274.9
330
320
310
300
290
280
270
260
250
240
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

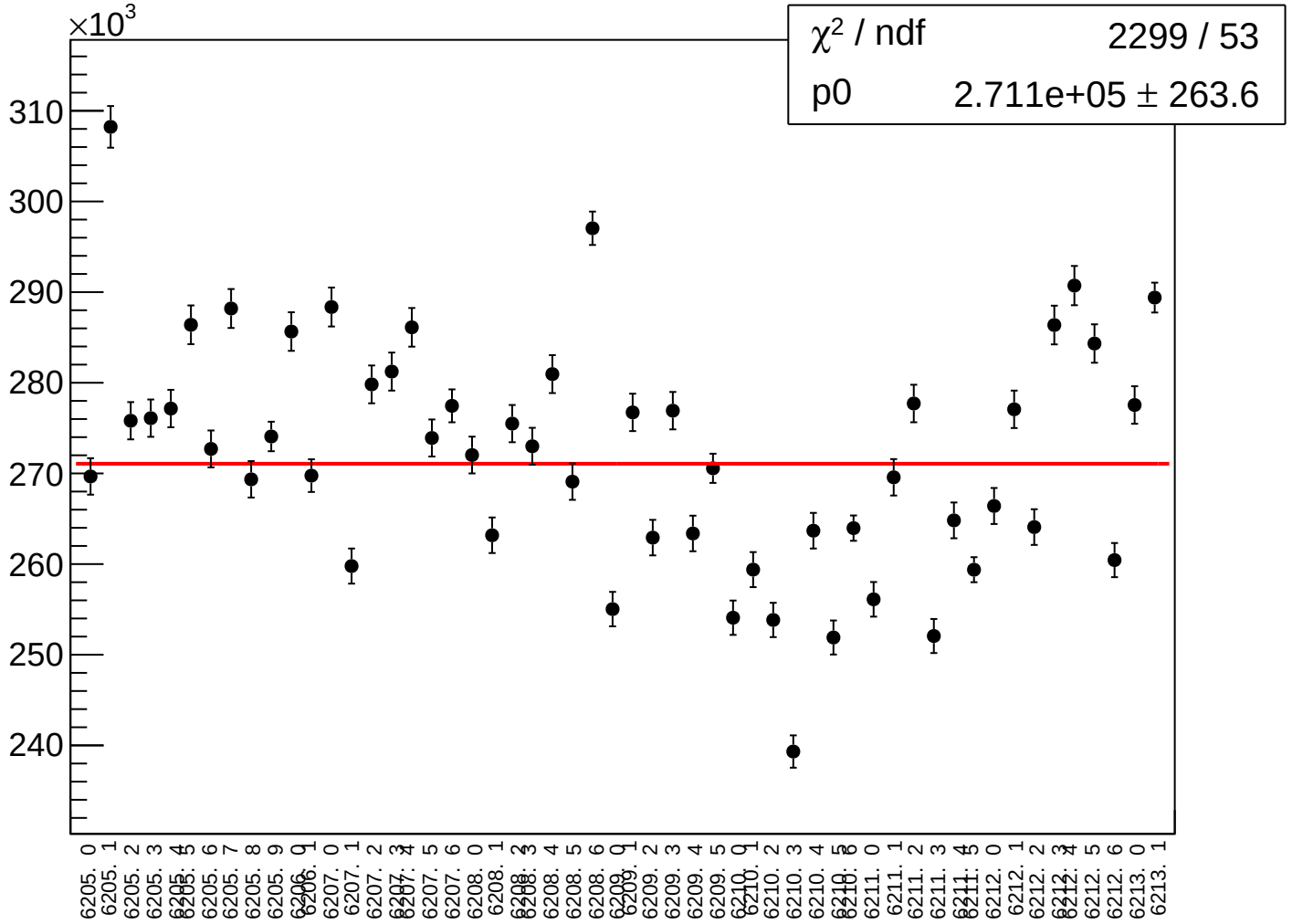

diff_cav4dX_mean vs run
χ² / ndf 41.15 / 53
p0 74.27 ± 649.2
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 54
Mean 5.215
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

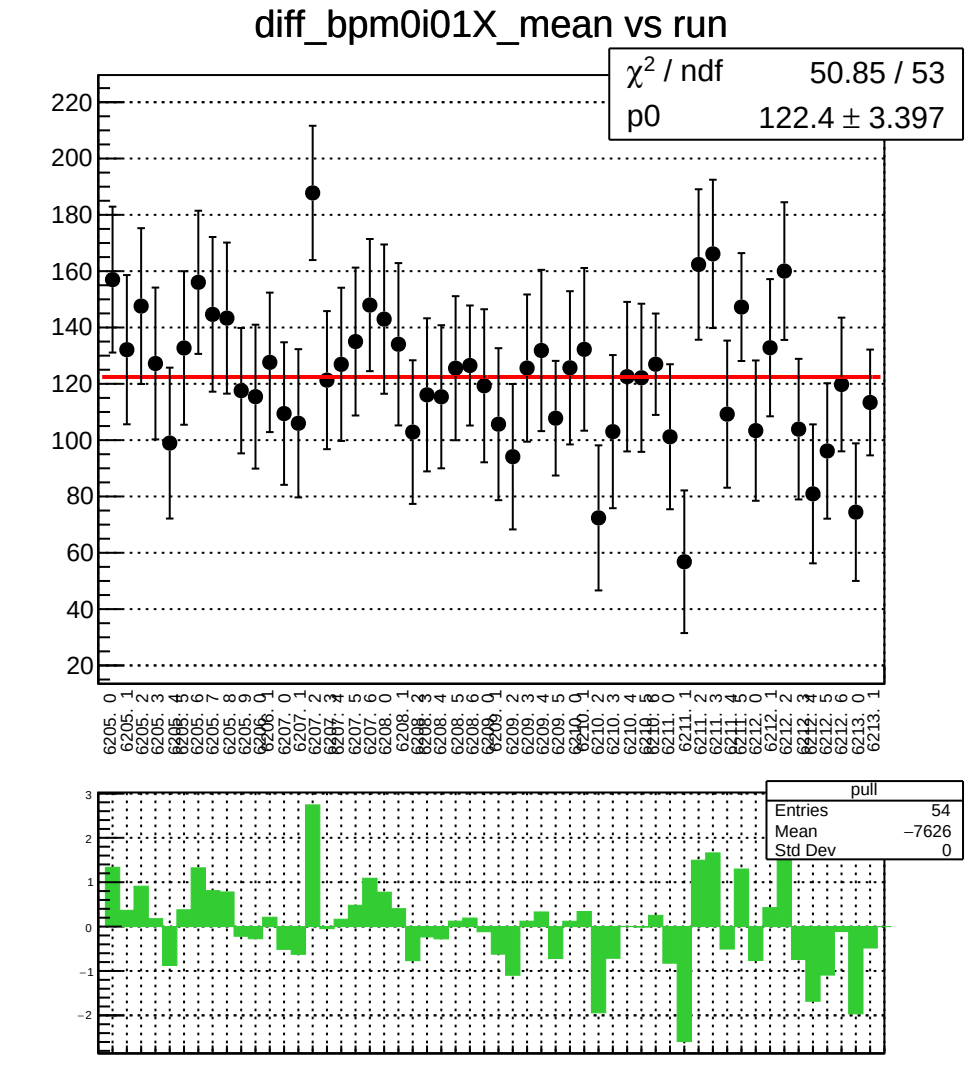

pull1D
Entries 54
Mean 0.02873
Std Dev 0.8725
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

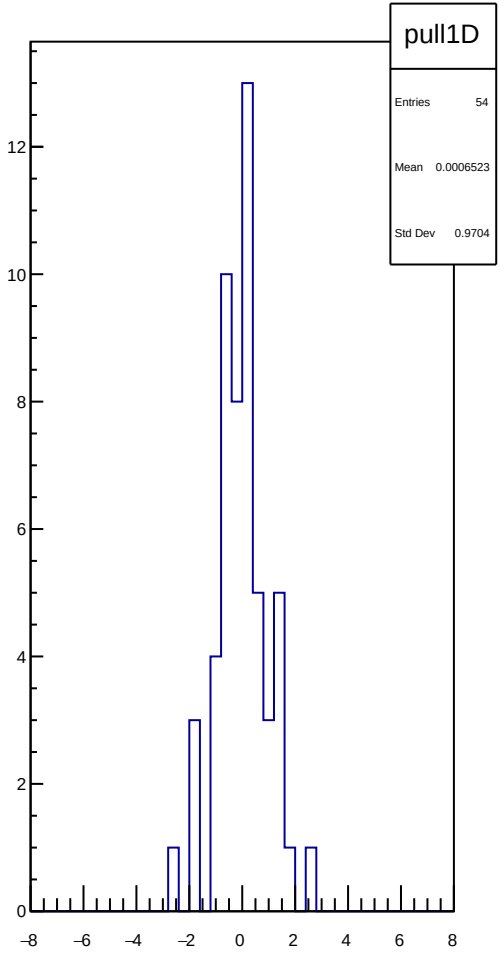

diff_cav4dX_rms vs run
χ² / ndf 5577 / 53
p0 4.712e+05 ± 459
×10³
580
560
540
520
500
480
460
440
420
400
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

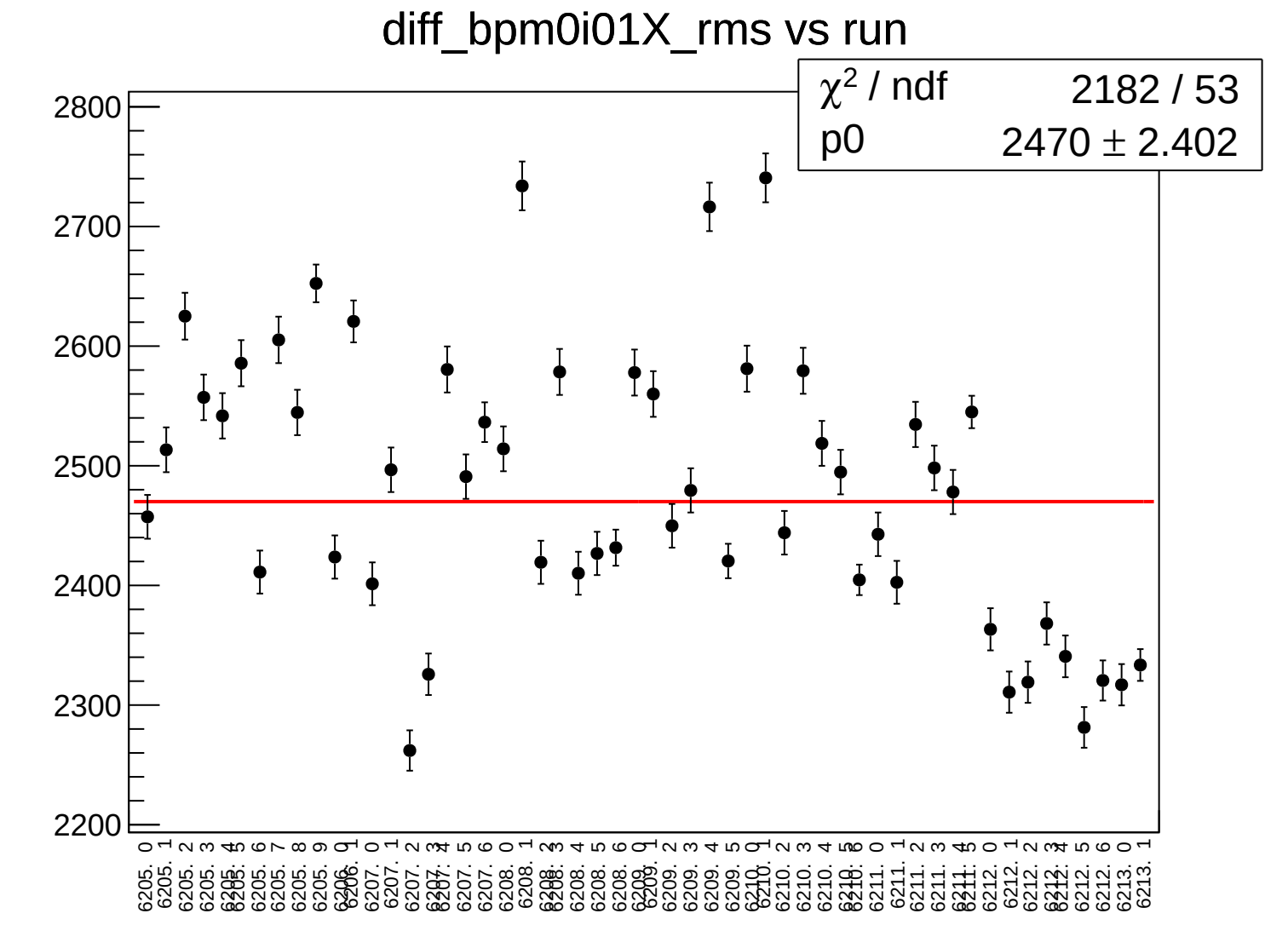

diff_cav4dY_mean vs run
χ² / ndf 49.44 / 53
p0 −560.9 ± 372.8
pull
Entries 54
Mean 90.64
Std Dev 75.27

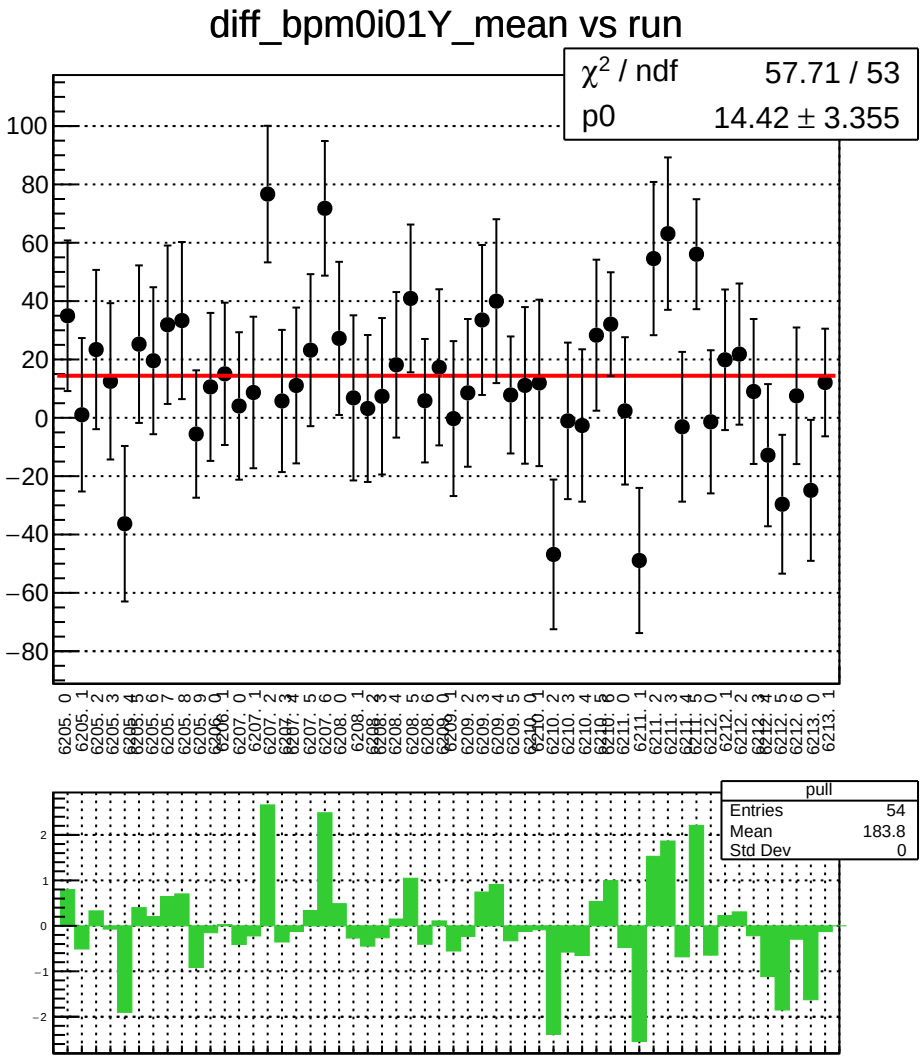

pull1D
Entries 54
Mean −0.003557
Std Dev 0.9568

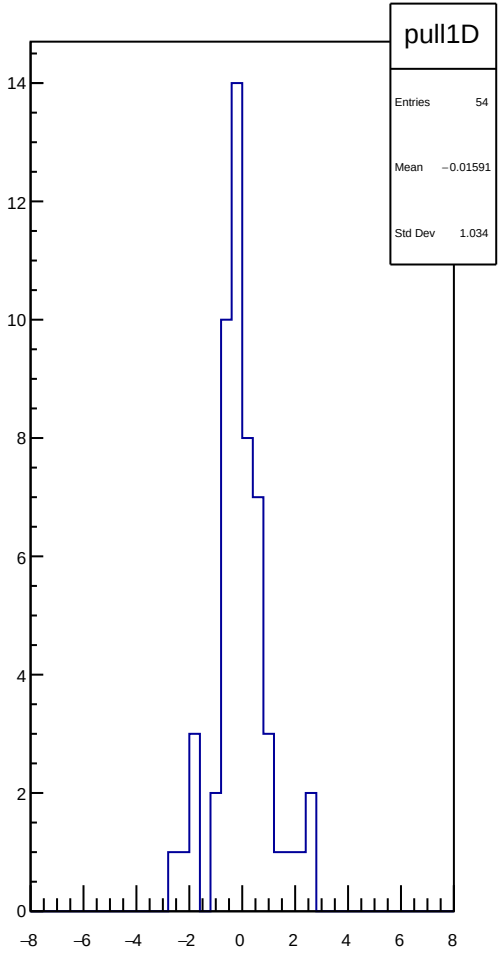

diff_cav4dY_rms vs run
×10^3
χ² / ndf 2299 / 53
p0 2.711e+05 ± 263.6
310
300
290
280
270
260
250
240
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

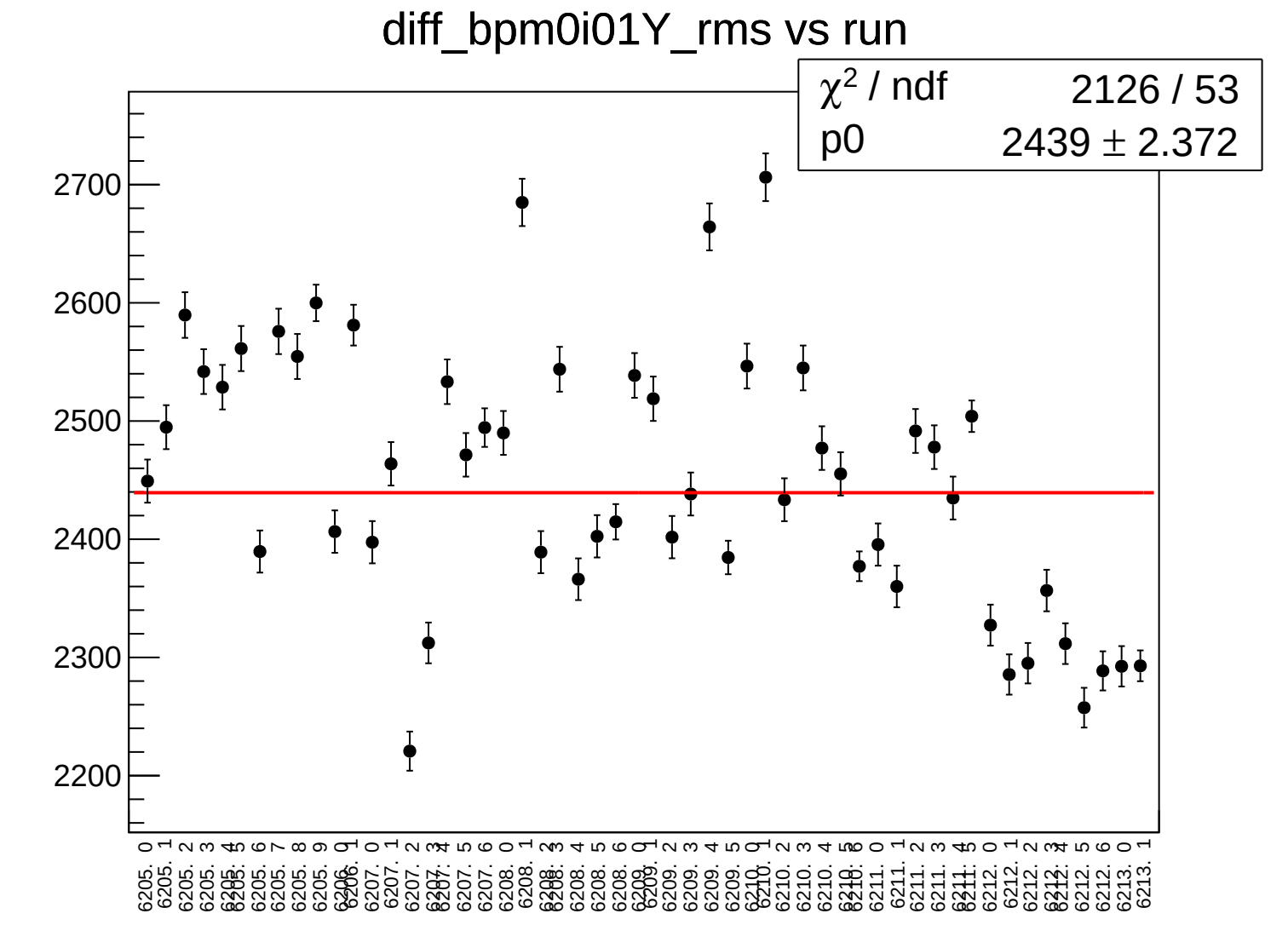

diff_bpm0i01X_mean vs run
χ² / ndf 50.85 / 53
p0 122.4 ± 3.397
pull
Entries 54
Mean −7626
Std Dev 0

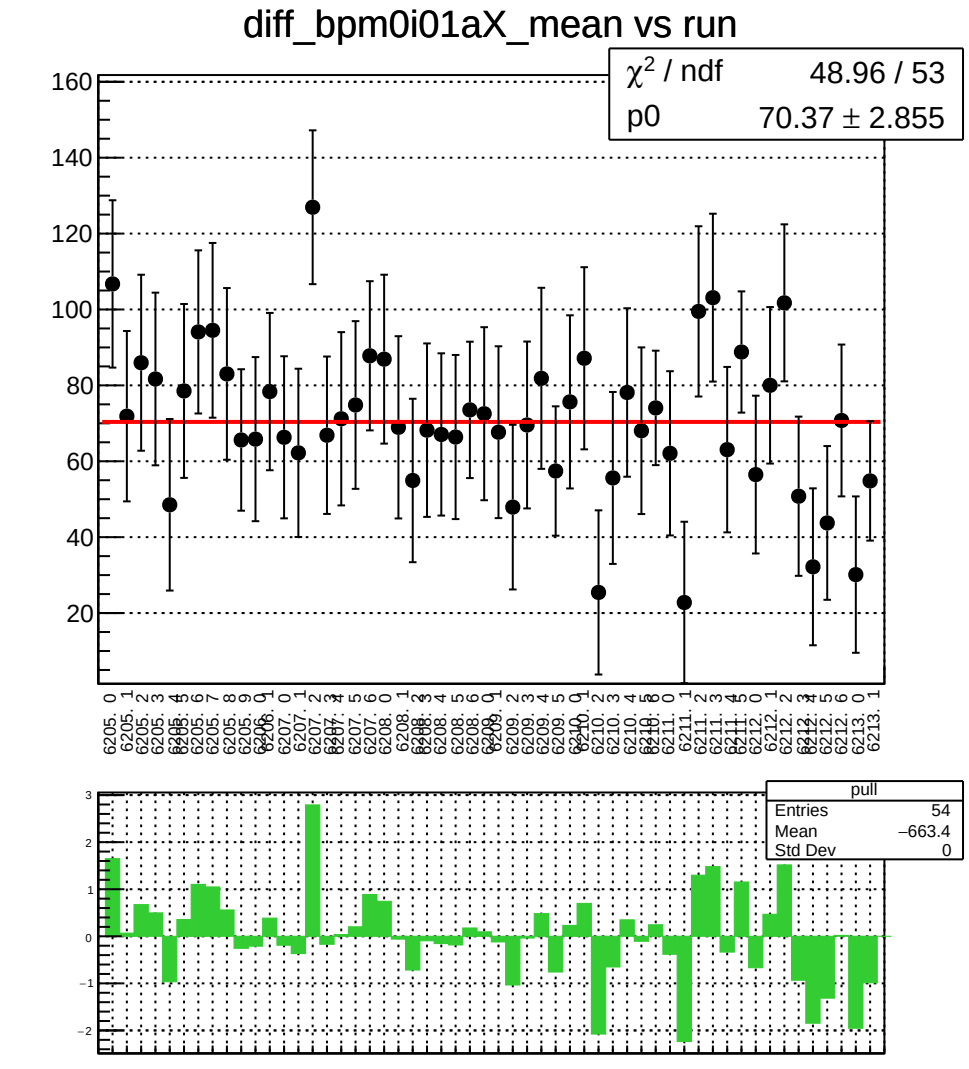

pull1D
Entries 54
Mean 0.0006523
Std Dev 0.9704

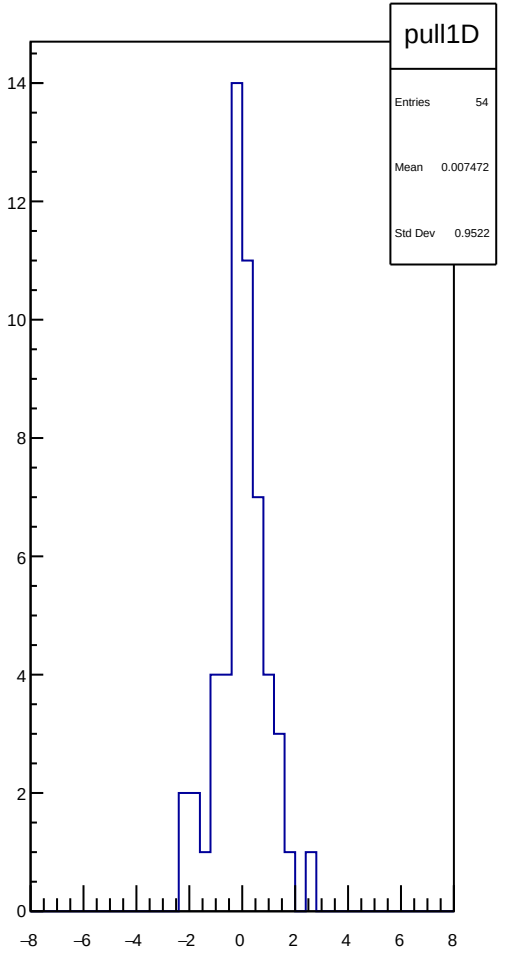

diff_bpm0i01X_rms vs run
χ² / ndf 2182 / 53
p0 2470 ± 2.402
2800
2700
2600
2500
2400
2300
2200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

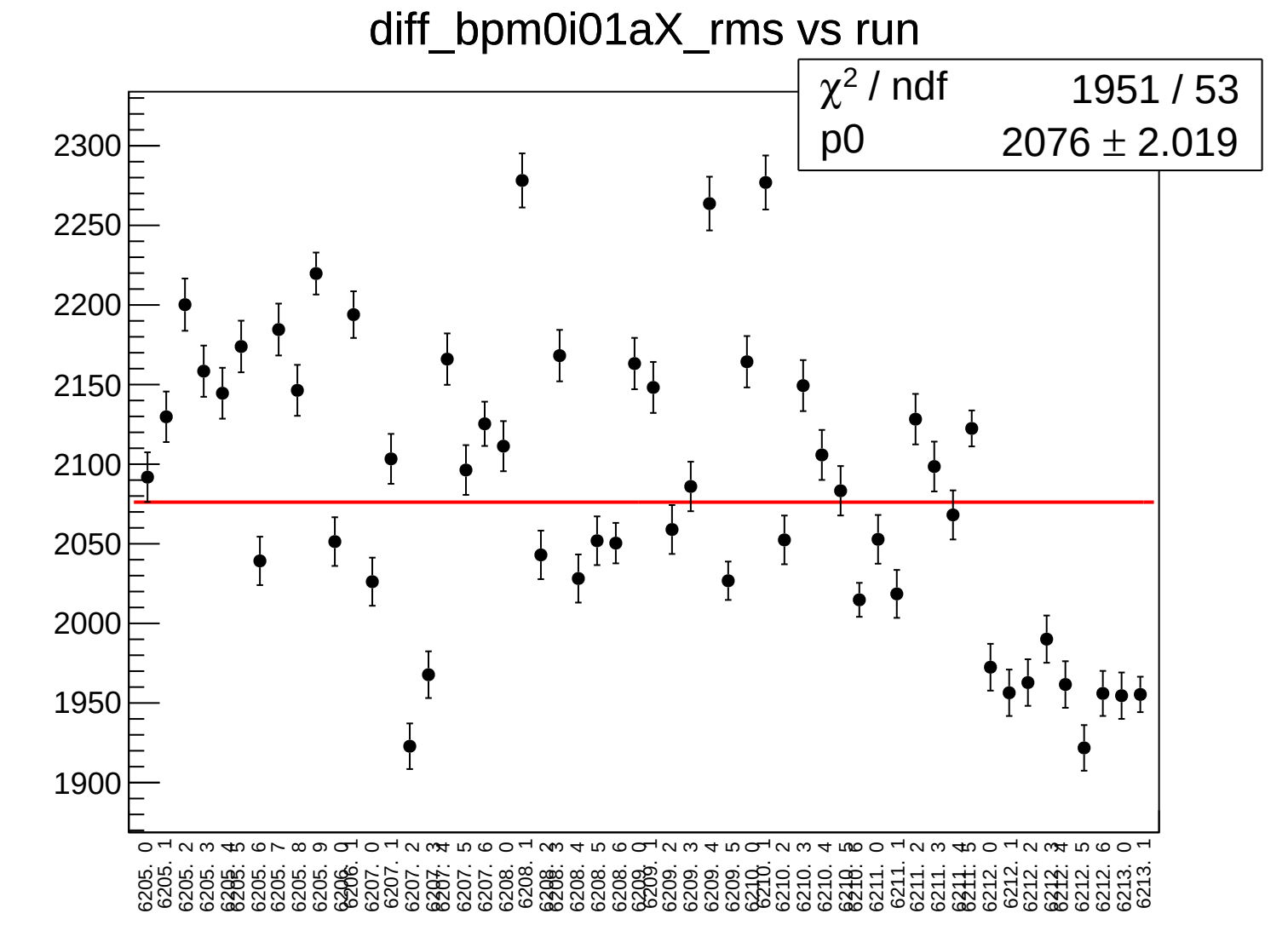

diff_bpm0i01Y_mean vs run
χ² / ndf 57.71 / 53
p0 14.42 ± 3.355
pull
Entries 54
Mean 183.8
Std Dev 0

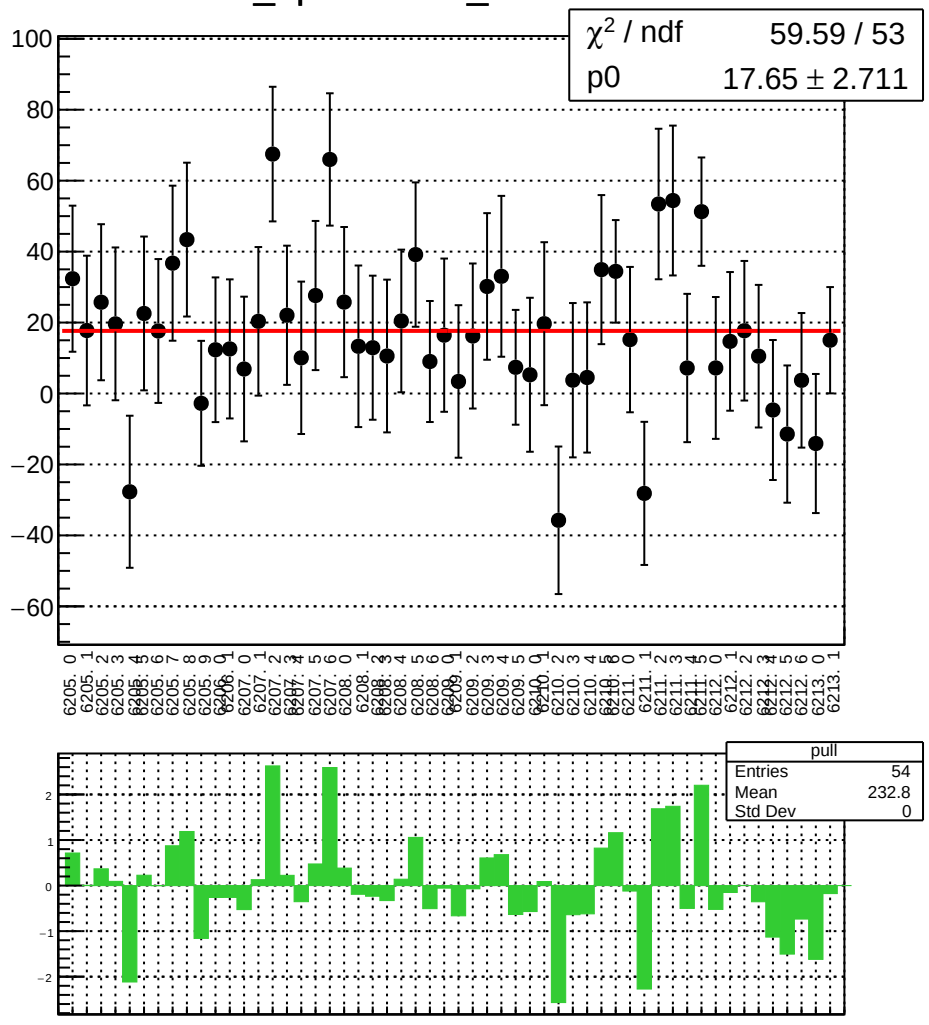

pull1D
Entries 54
Mean −0.01591
Std Dev 1.034

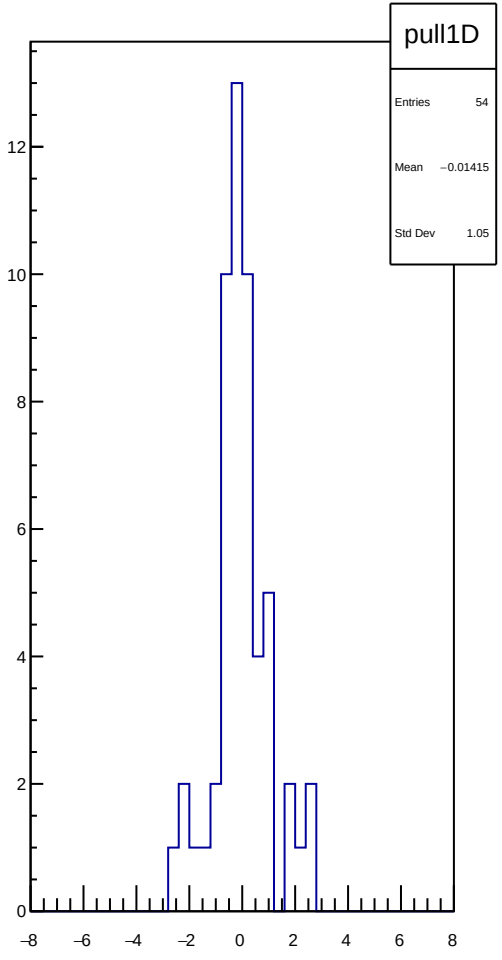

diff_bpm0i01Y_rms vs run
χ² / ndf 2126 / 53
p0 2439 ± 2.372
2700
2600
2500
2400
2300
2200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

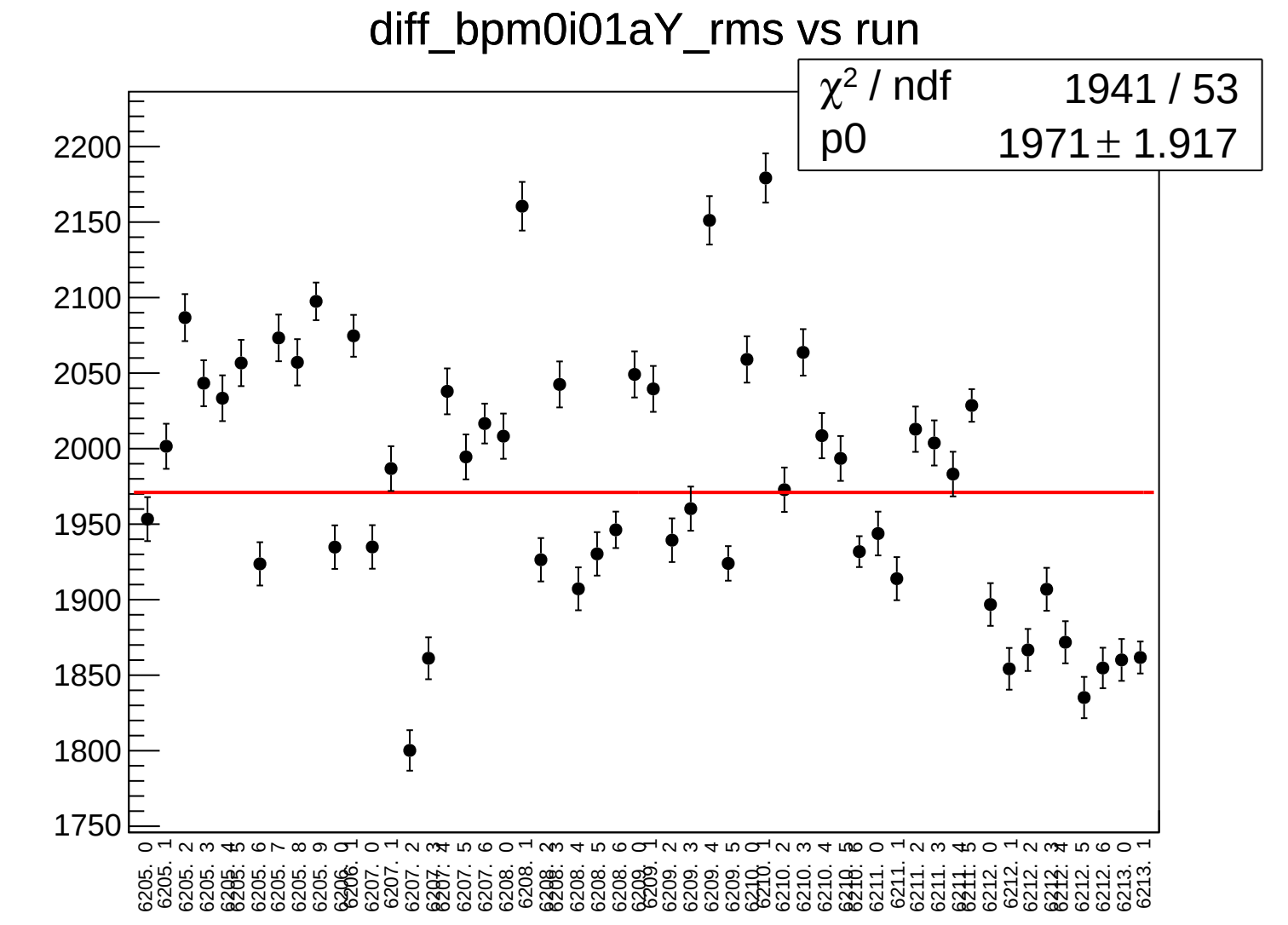

diff_bpm0i01aX_mean vs run
χ² / ndf 48.96 / 53
p0 70.37 ± 2.855
pull
Entries 54
Mean −663.4
Std Dev 0

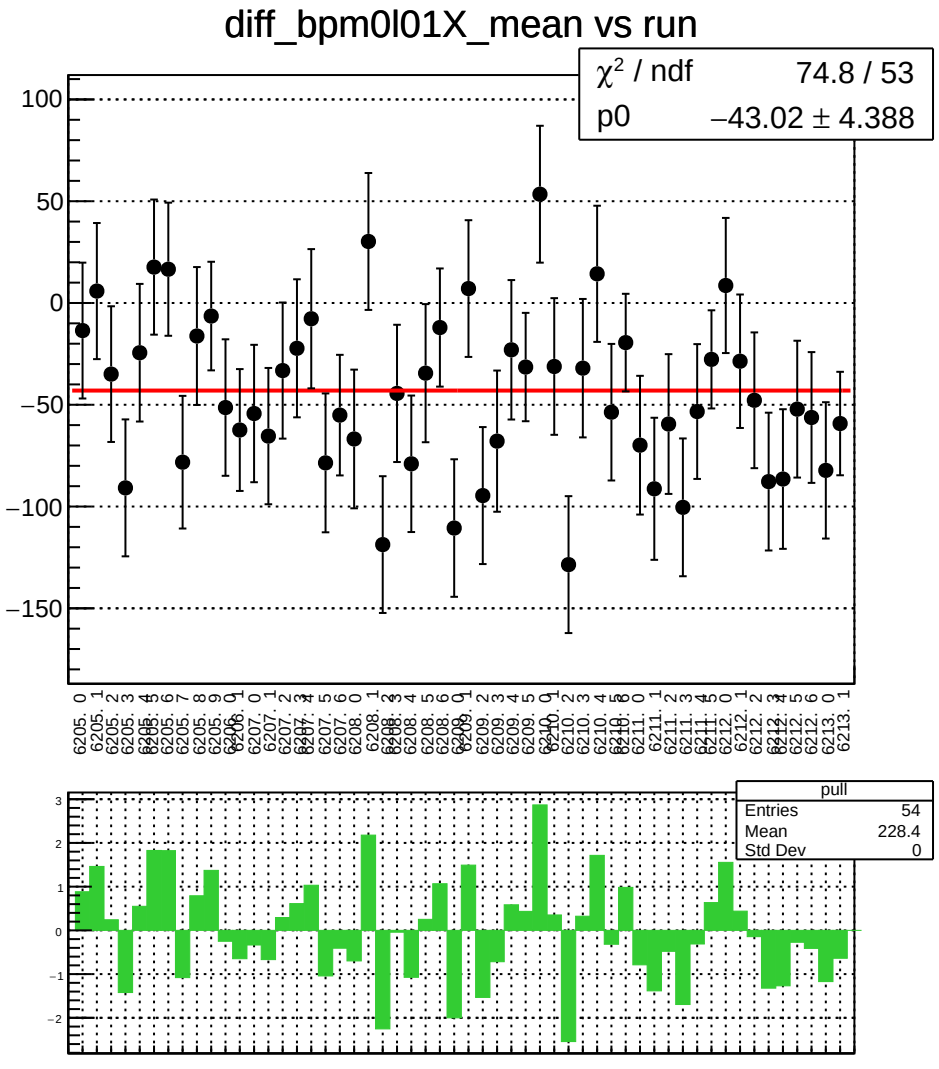

pull1D
Entries 54
Mean 0.007472
Std Dev 0.9522

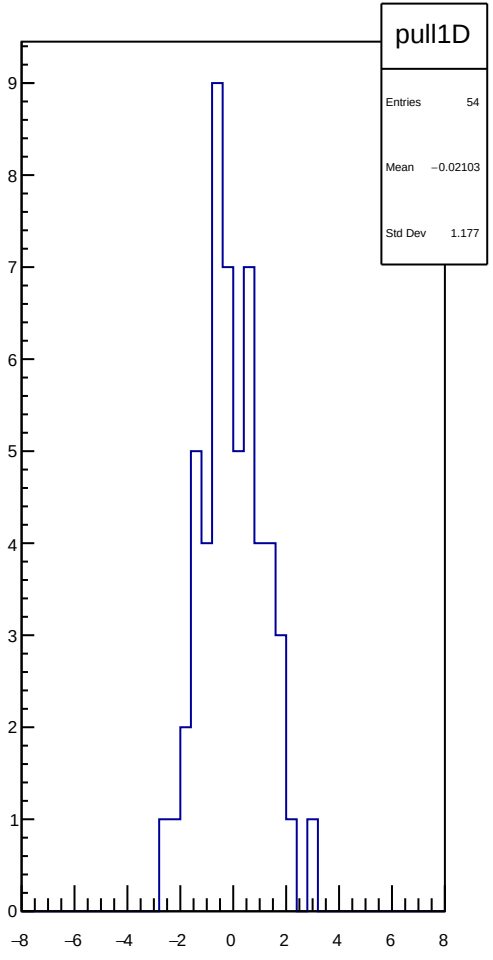

diff_bpm0i01aX_rms vs run
χ² / ndf 1951 / 53
p0 2076 ± 2.019
2300
2250
2200
2150
2100
2050
2000
1950
1900
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

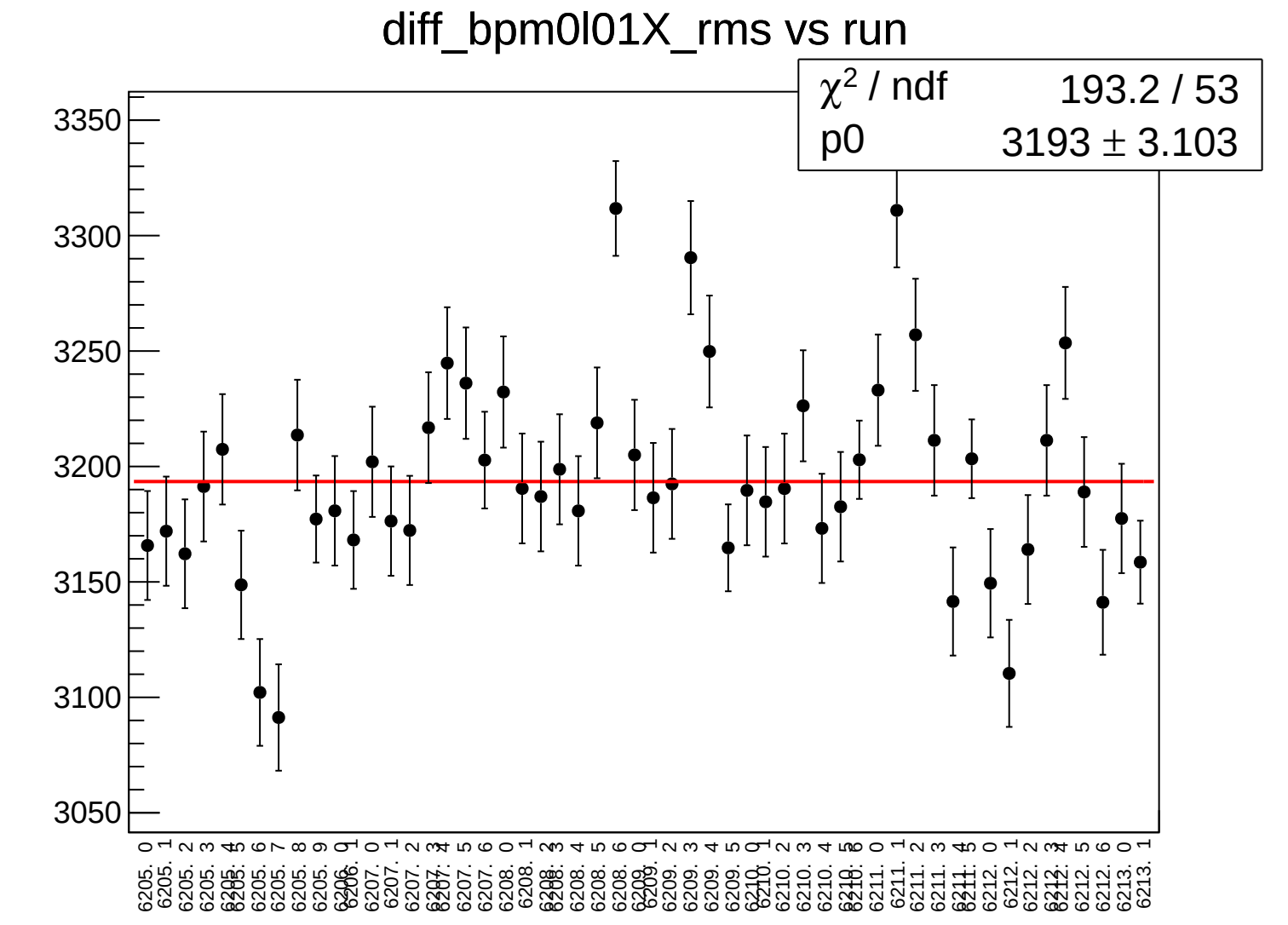

diff_bpm0i01aY_mean vs run
χ² / ndf 59.59 / 53
p0 17.65 ± 2.711
pull
Entries 54
Mean 232.8
Std Dev 0


pull1D
Entries 54
Mean −0.01415
Std Dev 1.05


diff_bpm0i01aY_rms vs run
χ² / ndf 1941 / 53
p0 1971 ± 1.917
2200
2150
2100
2050
2000
1950
1900
1850
1800
1750
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


diff_bpm0l01X_mean vs run
χ² / ndf 74.8 / 53
p0 −43.02 ± 4.388
pull
Entries 54
Mean 228.4
Std Dev 0


pull1D
Entries 54
Mean −0.02103
Std Dev 1.177


diff_bpm0l01X_rms vs run
χ² / ndf 193.2 / 53
p0 3193 ± 3.103
3350
3300
3250
3200
3150
3100
3050
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
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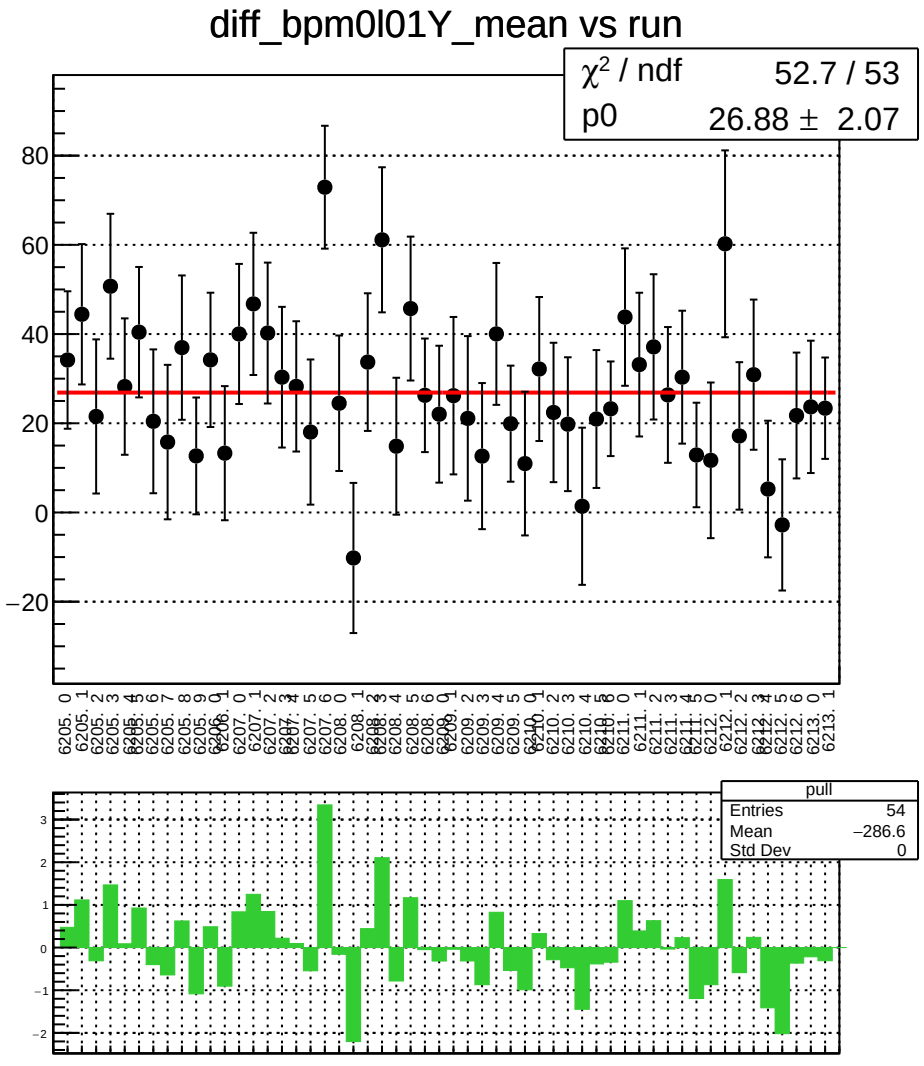
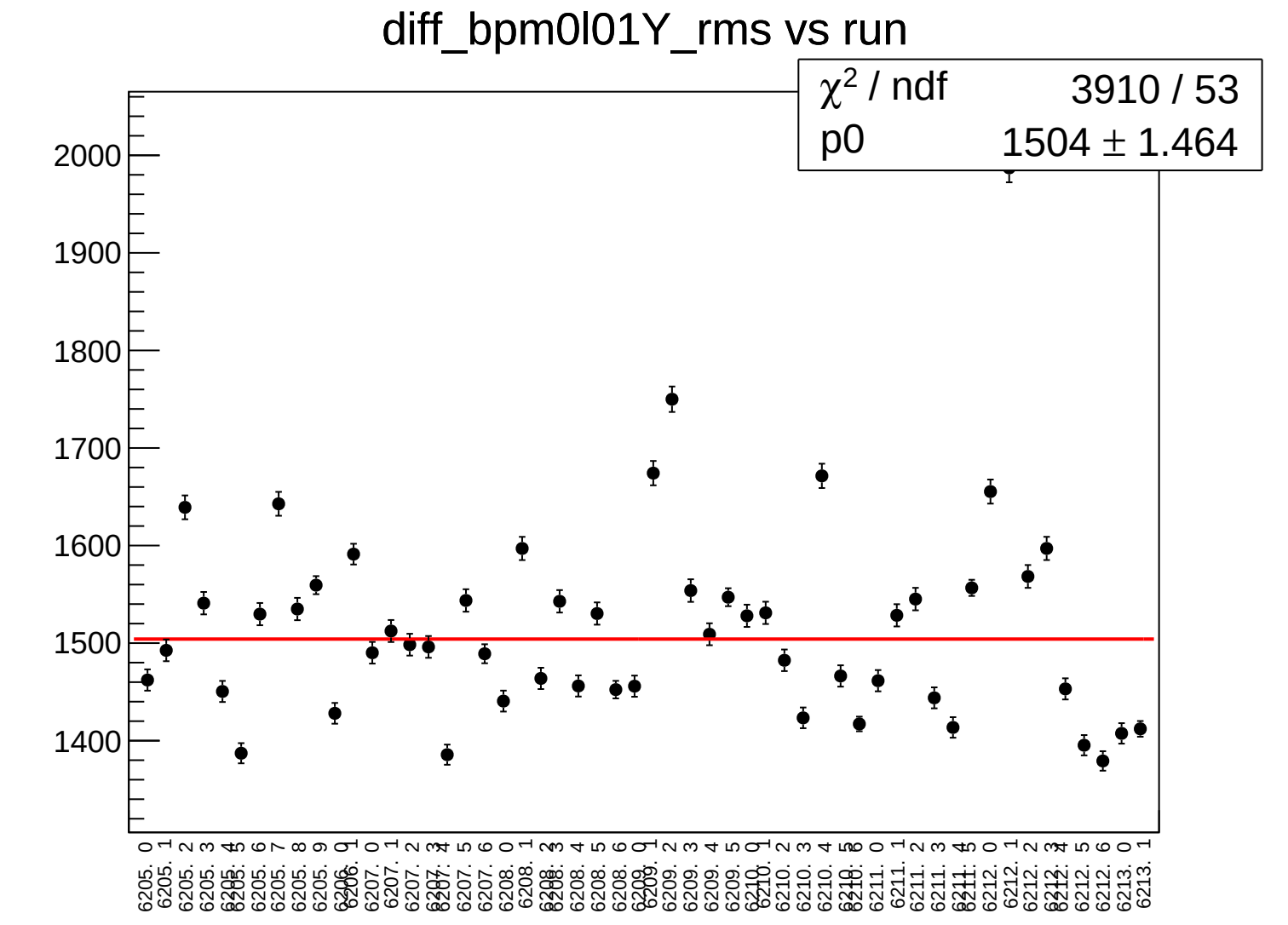
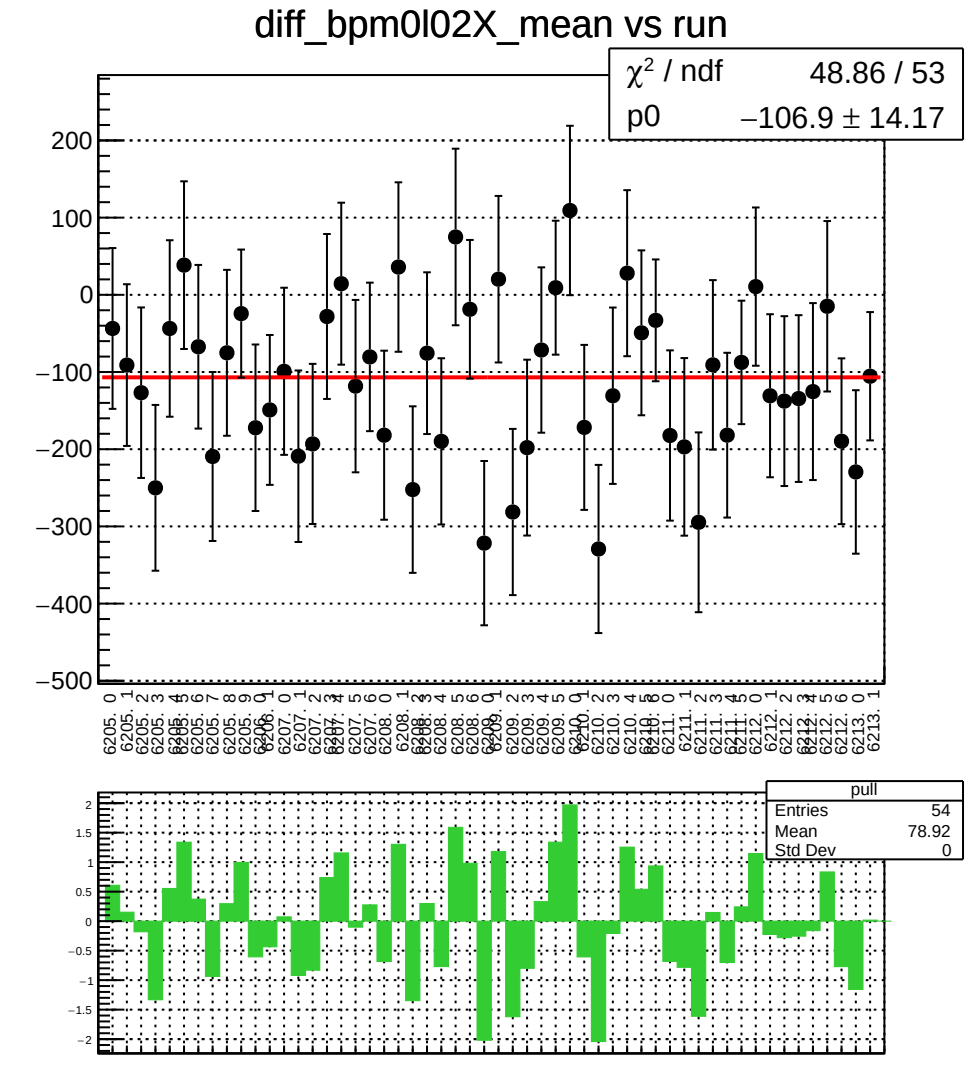
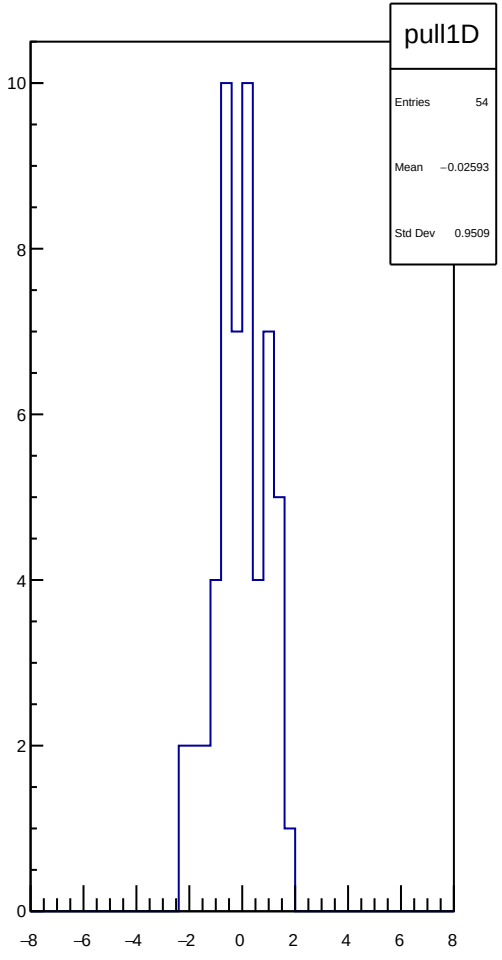
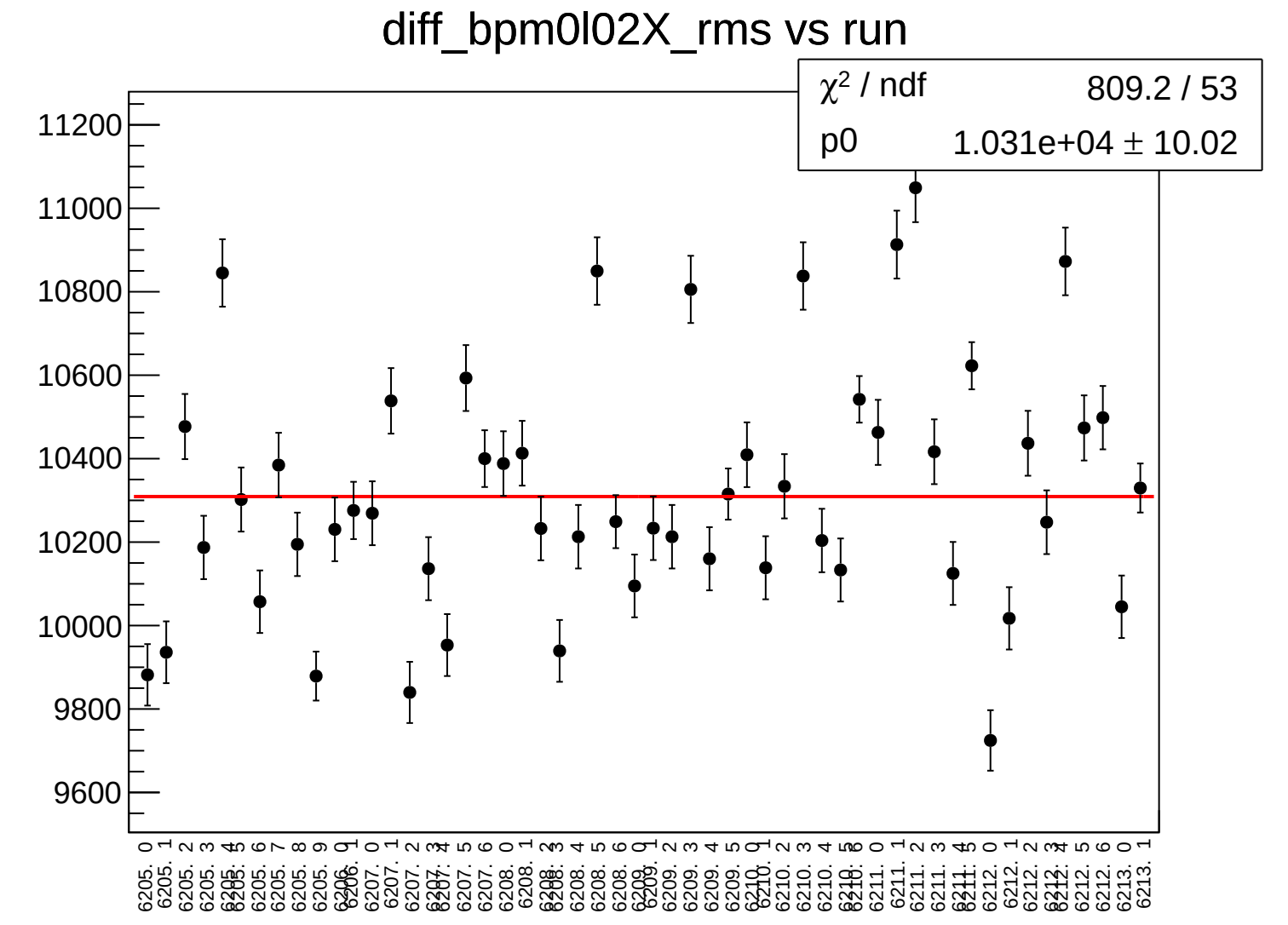
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

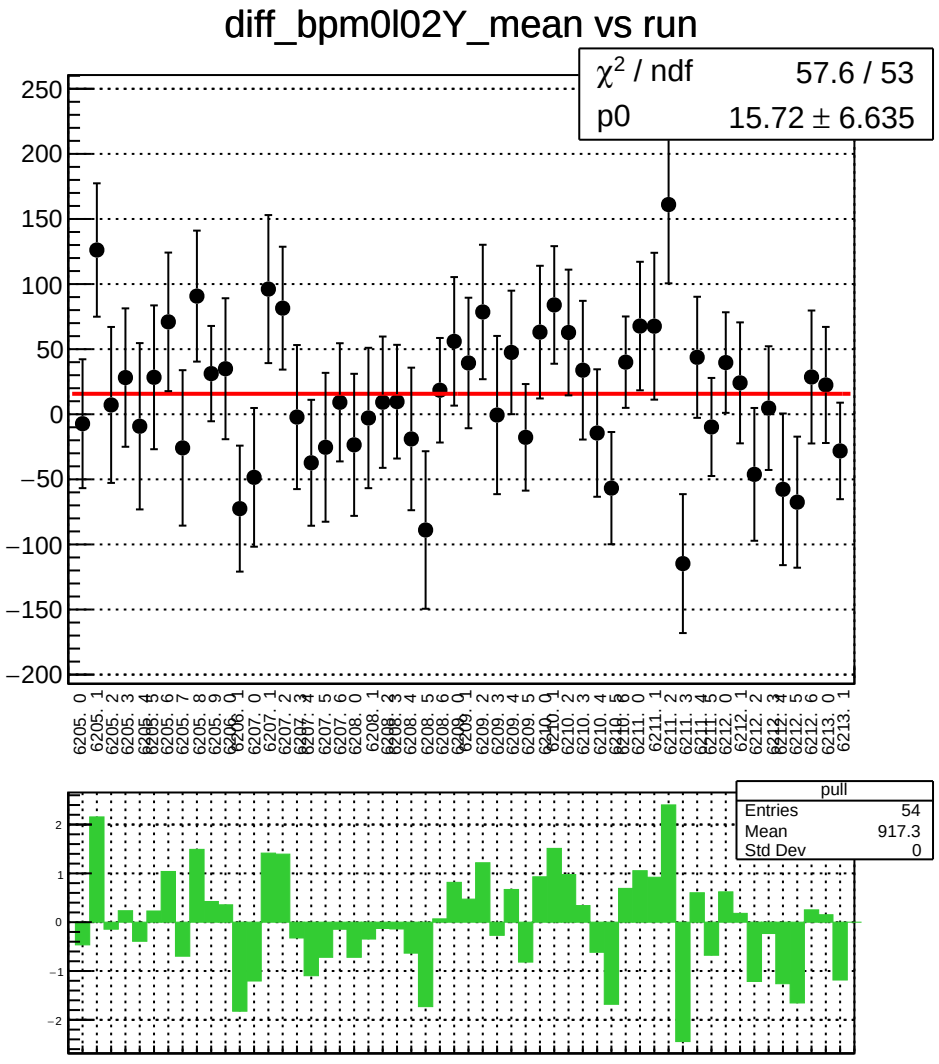

diff_bpm0l01Y_mean vs run
χ² / ndf 52.7 / 53
p0 26.88 ± 2.07
pull
Entries 54
Mean −286.6
Std Dev 0
pull1D
Entries 54
Mean 0.01387
Std Dev 0.9878

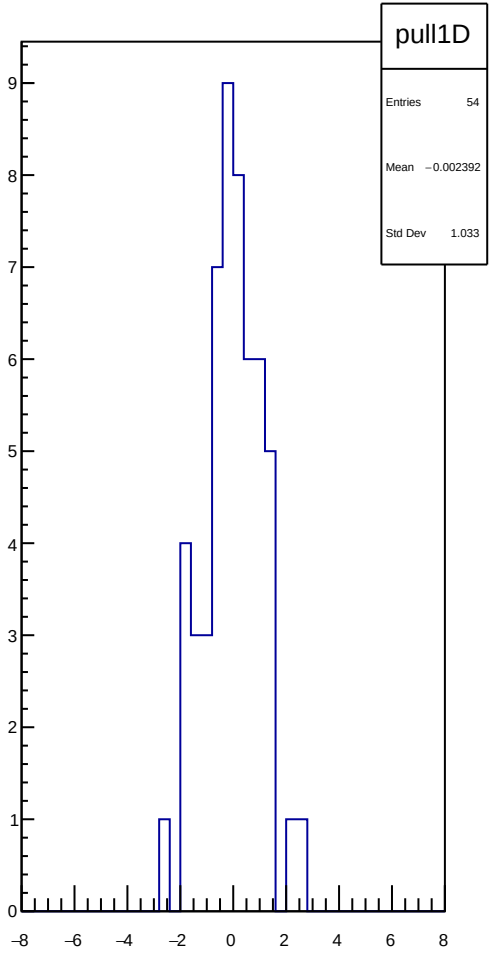

diff_bpm0l01Y_rms vs run
χ² / ndf 3910 / 53
p0 1504 ± 1.464
2000
1900
1800
1700
1600
1500
1400
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

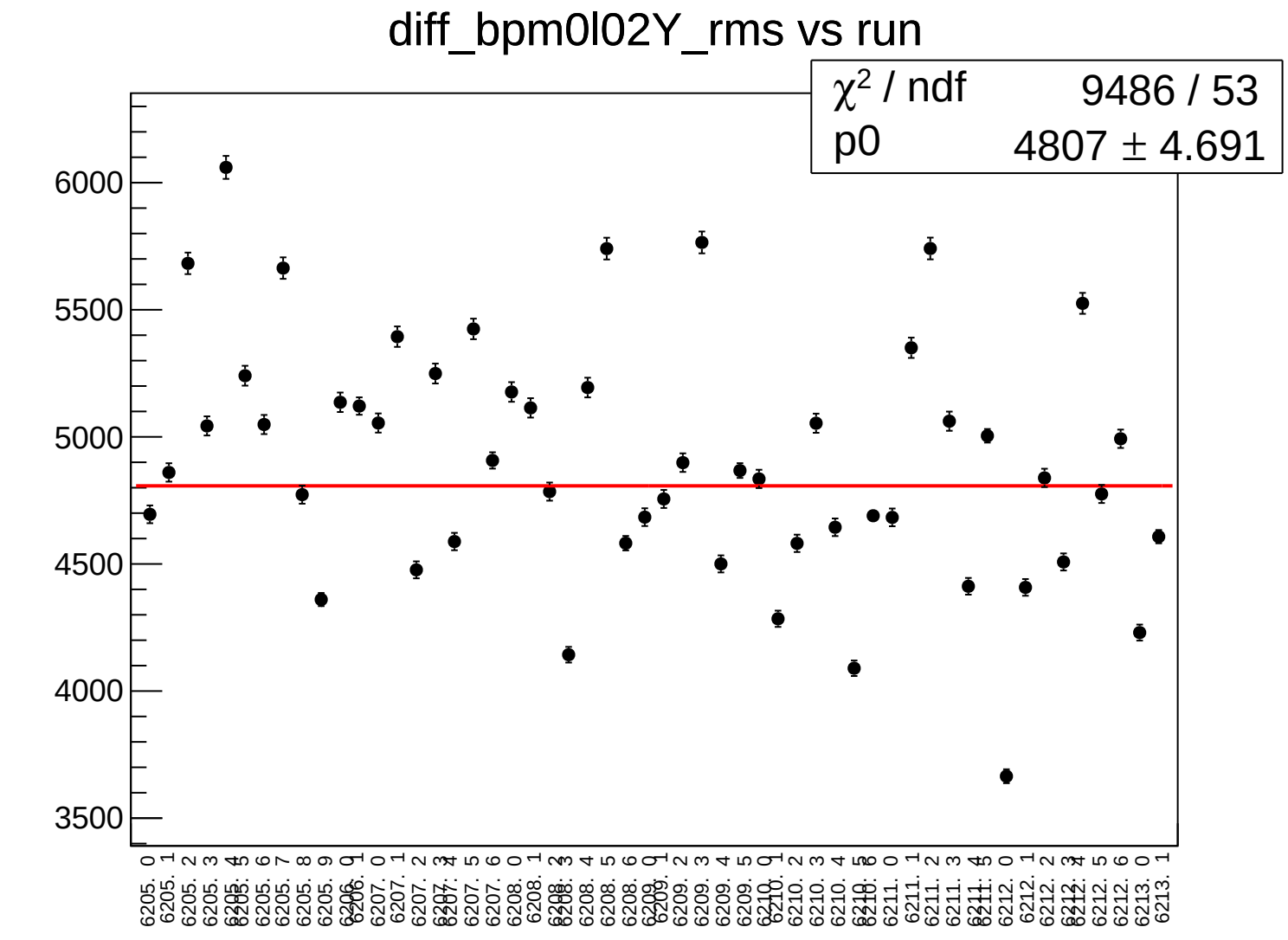

diff_bpm0l02X_mean vs run
χ² / ndf 48.86 / 53
p0 −106.9 ± 14.17
pull
Entries 54
Mean 78.92
Std Dev 0

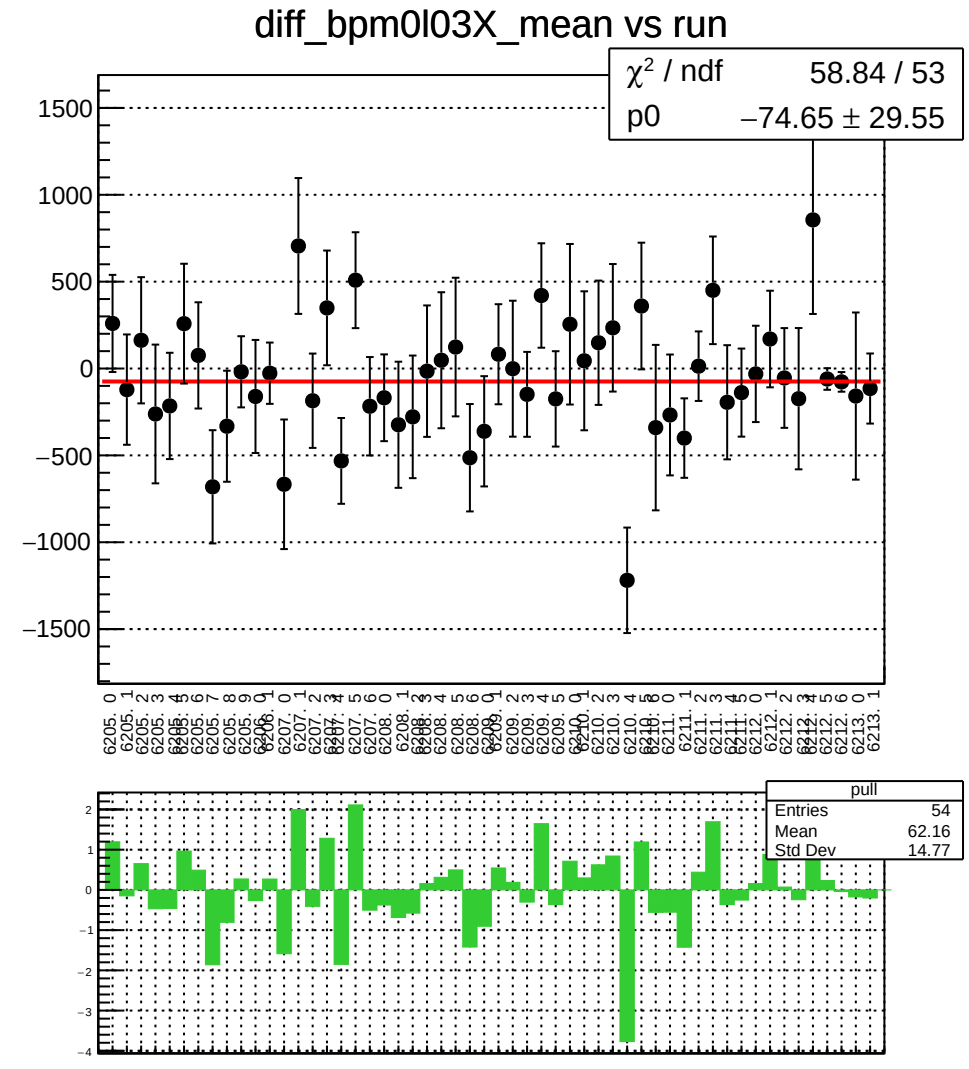

pull1D
Entries 54
Mean −0.02593
Std Dev 0.9509

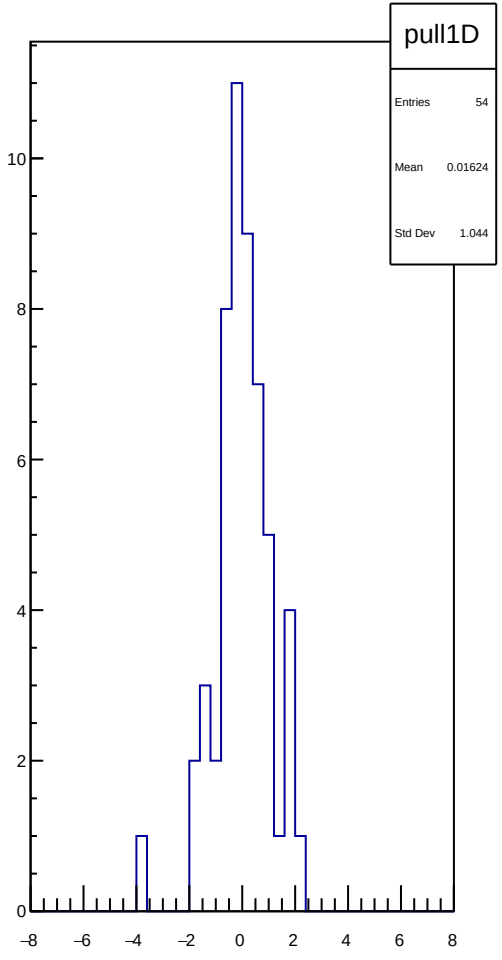

diff_bpm0l02X_rms vs run
χ² / ndf 809.2 / 53
p0 1.031e+04 ± 10.02
11200
11000
10800
10600
10400
10200
10000
9800
9600
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

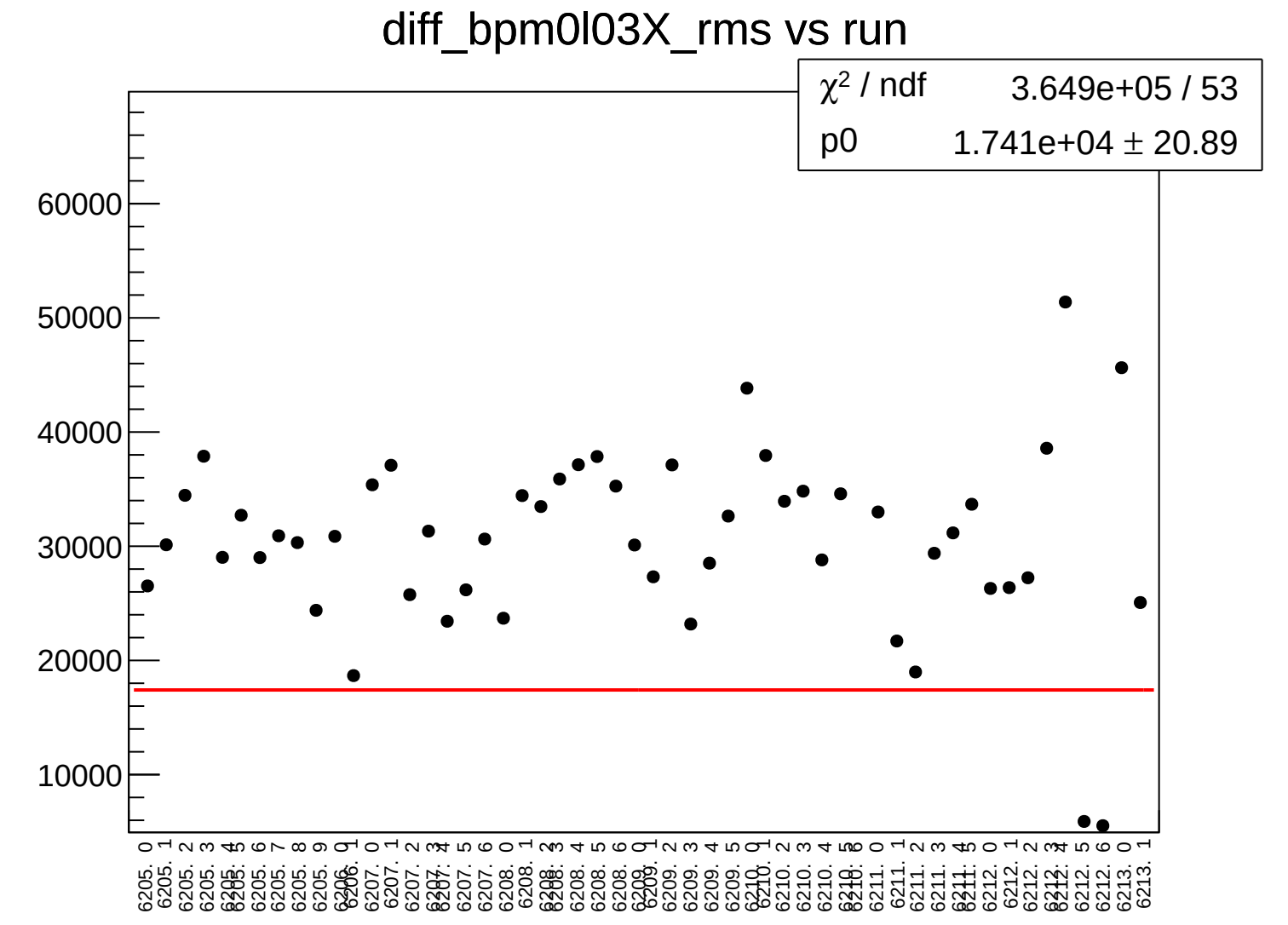

diff_bpm0l02Y_mean vs run
χ² / ndf 57.6 / 53
p0 15.72 ± 6.635
pull
Entries 54
Mean 917.3
Std Dev 0

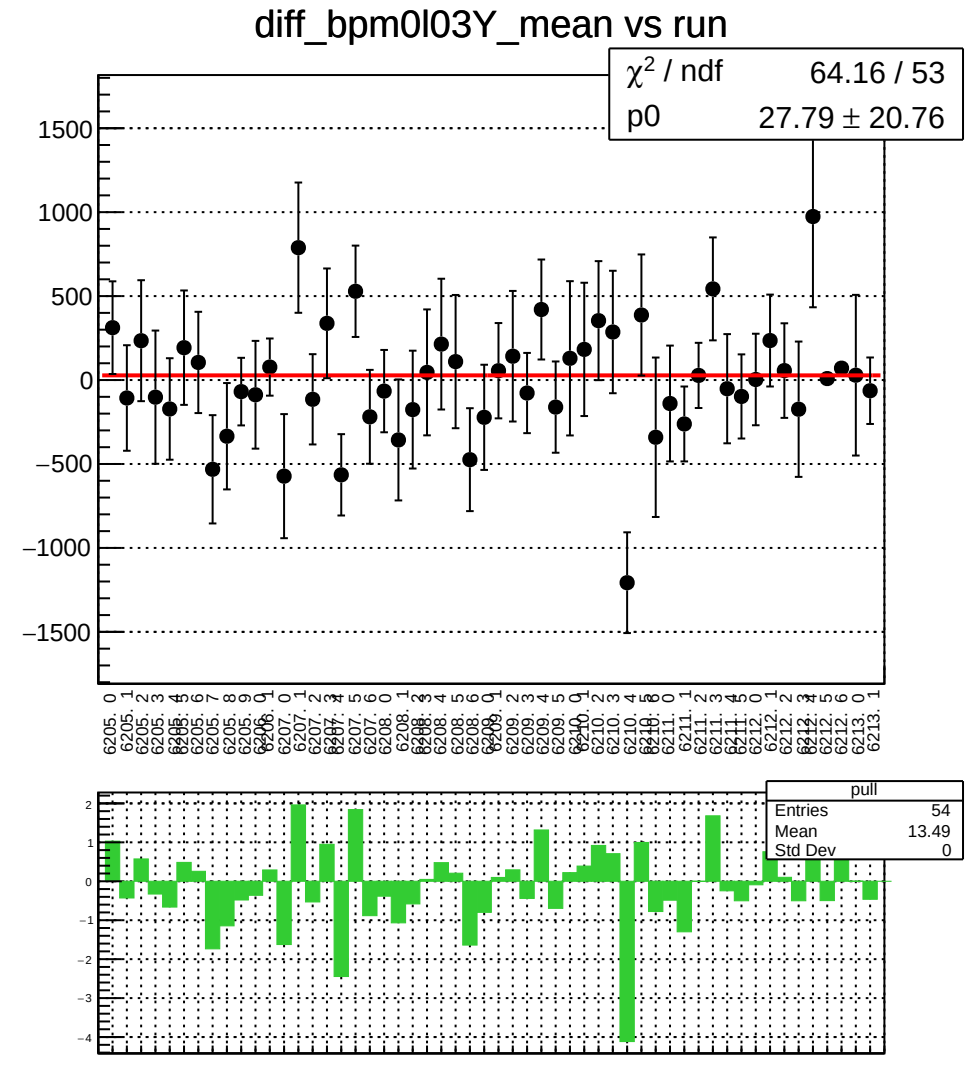

pull1D
Entries 54
Mean −0.002392
Std Dev 1.033

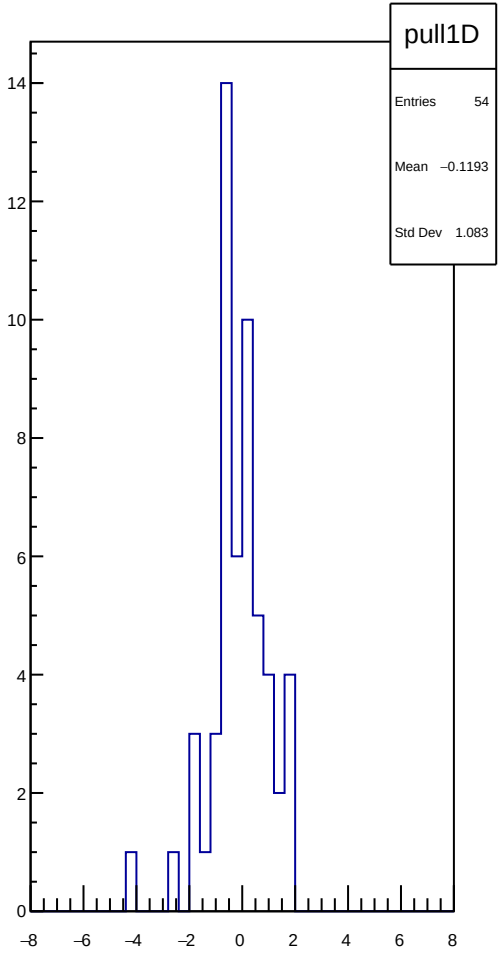

diff_bpm0l02Y_rms vs run
χ² / ndf 9486 / 53
p0 4807 ± 4.691
6000
5500
5000
4500
4000
3500
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

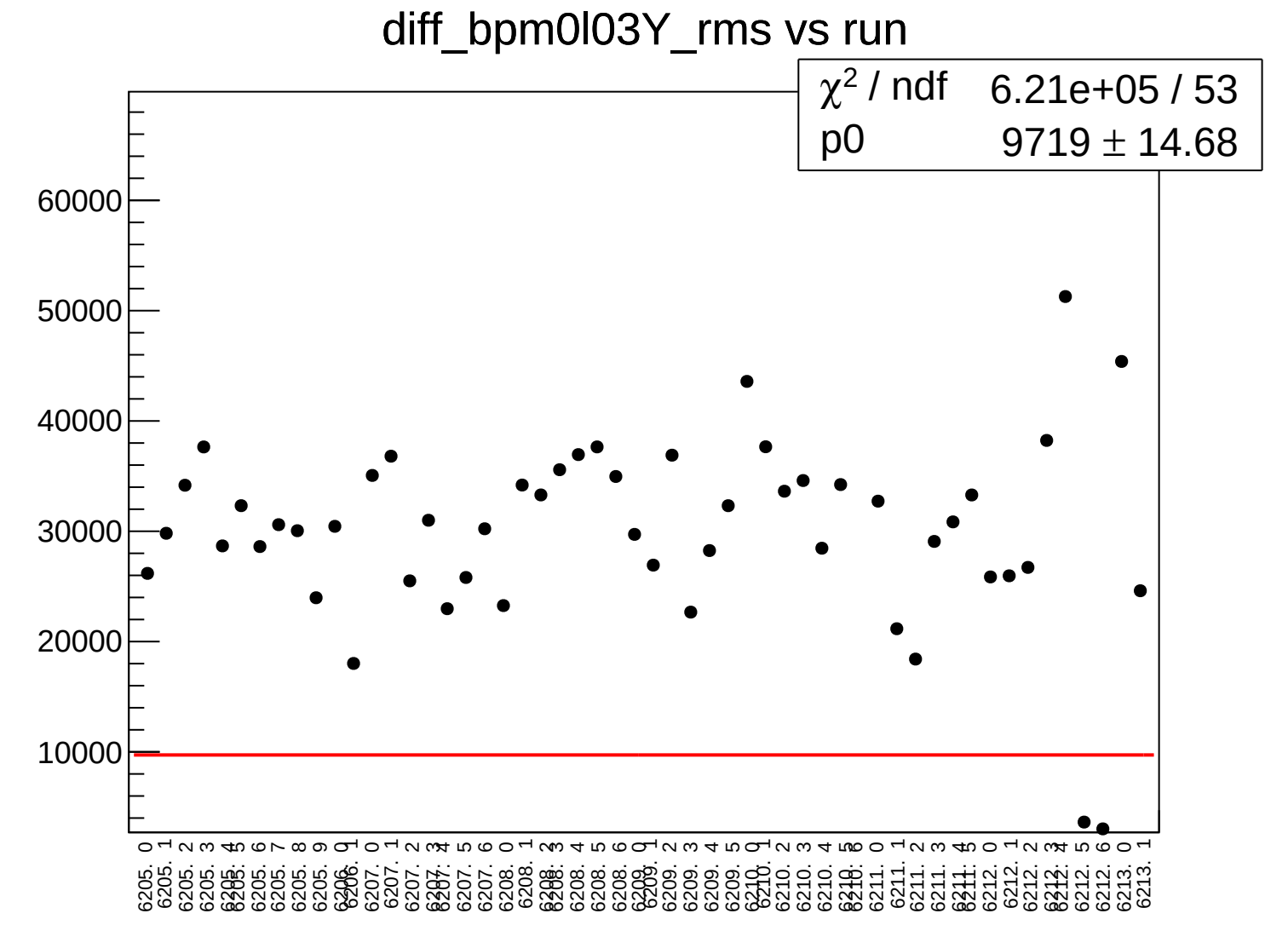

diff_bpm0l03X_mean vs run
χ² / ndf 58.84 / 53
p0 −74.65 ± 29.55
pull
Entries 54
Mean 62.16
Std Dev 14.77

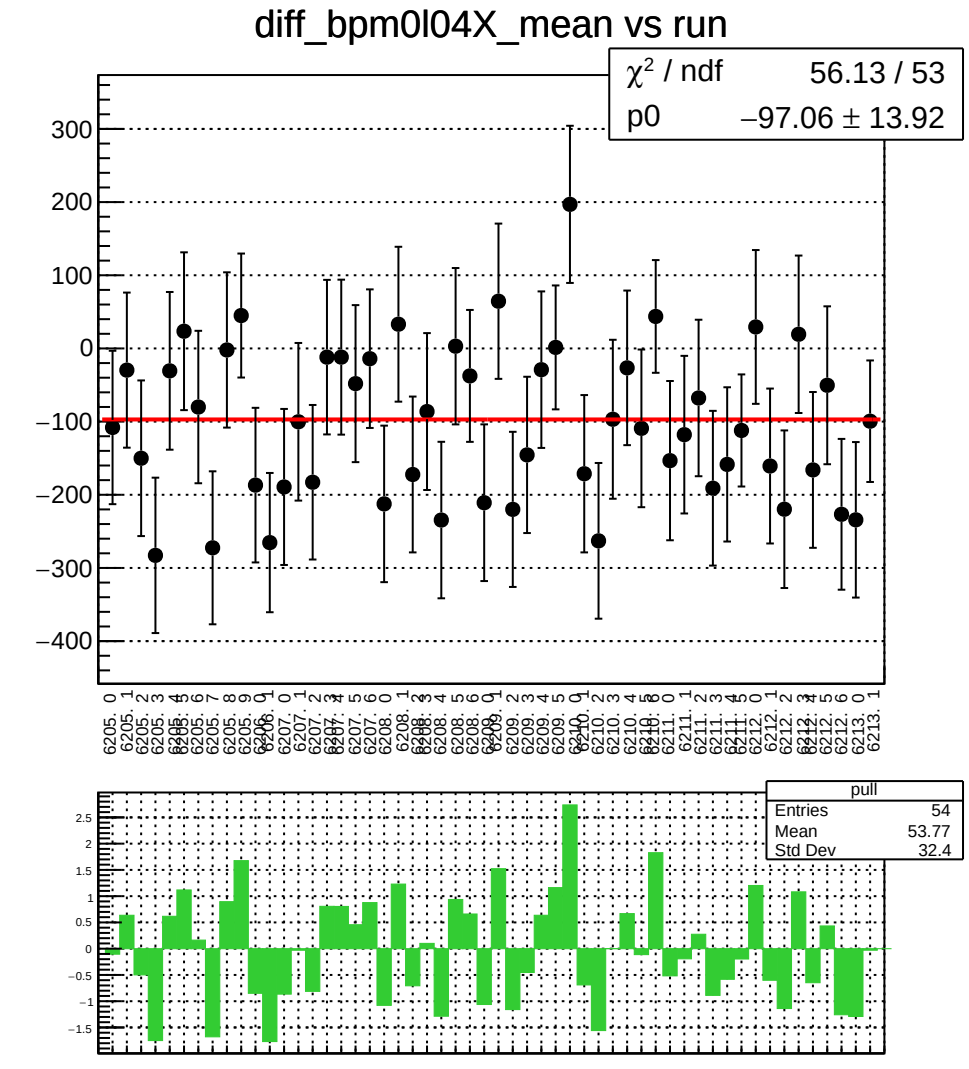

pull1D
Entries 54
Mean 0.01624
Std Dev 1.044

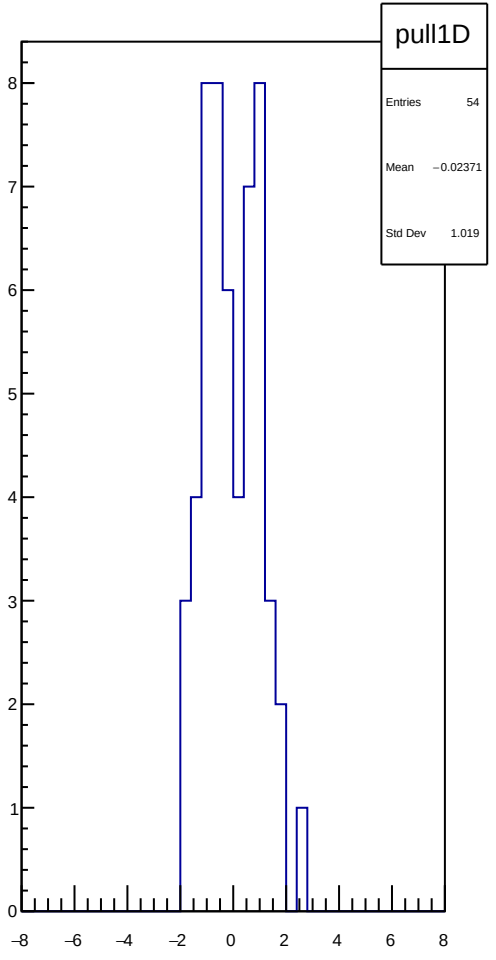

diff_bpm0l03X_rms vs run
χ² / ndf 3.649e+05 / 53
p0 1.741e+04 ± 20.89
60000
50000
40000
30000
20000
10000
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 1
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

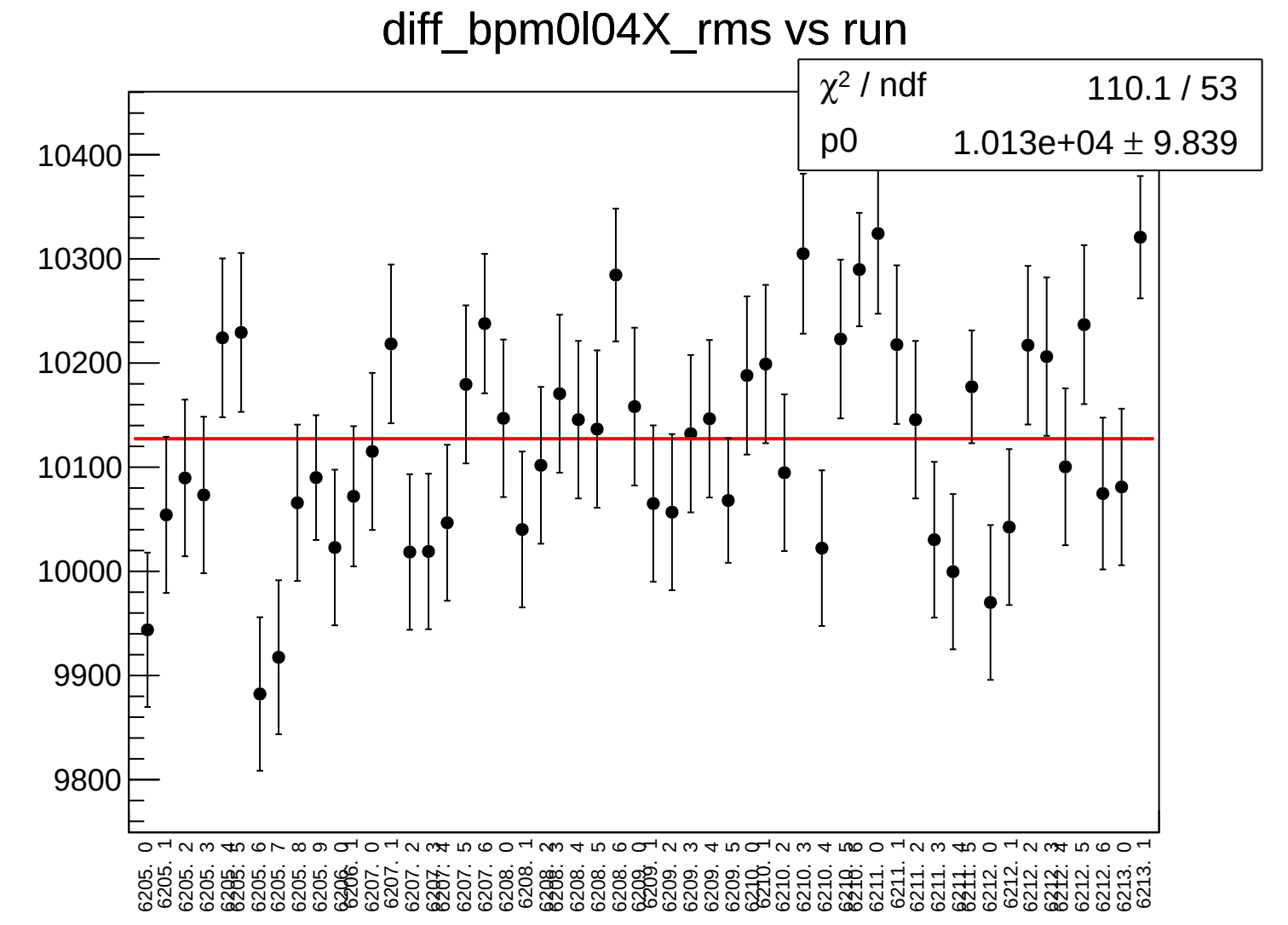

diff_bpm0l03Y_mean vs run
χ² / ndf 64.16 / 53
p0 27.79 ± 20.76
pull
Entries 54
Mean 13.49
Std Dev 0

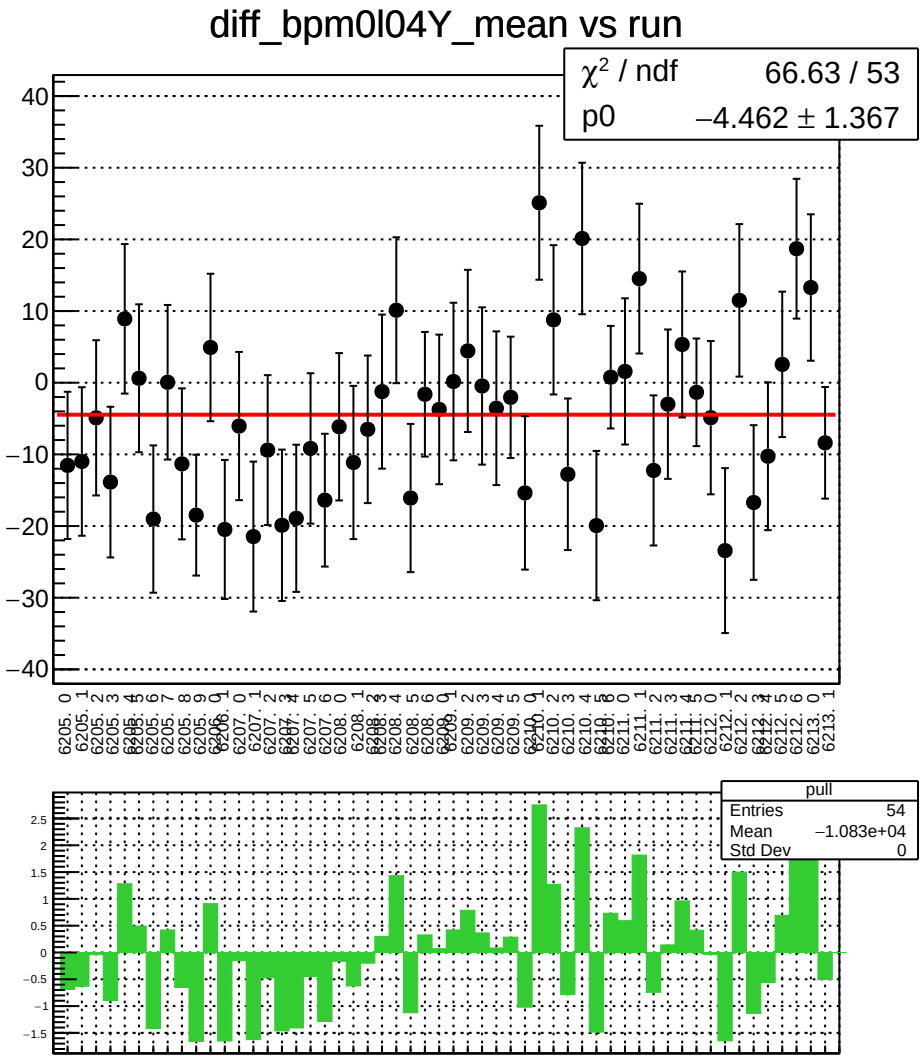

pull1D
Entries 54
Mean −0.1193
Std Dev 1.083

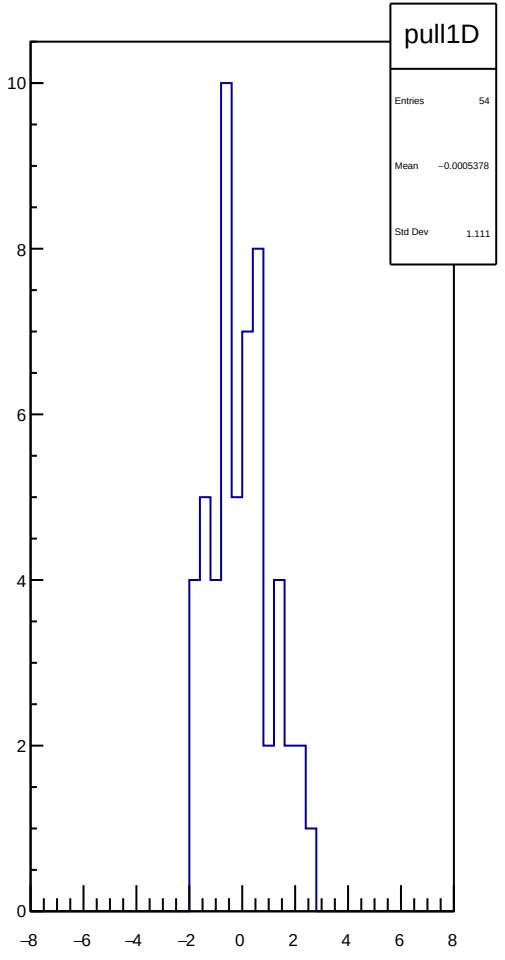

diff_bpm0l03Y_rms vs run
χ² / ndf 6.21e+05 / 53
p0 9719 ± 14.68
60000
50000
40000
30000
20000
10000
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

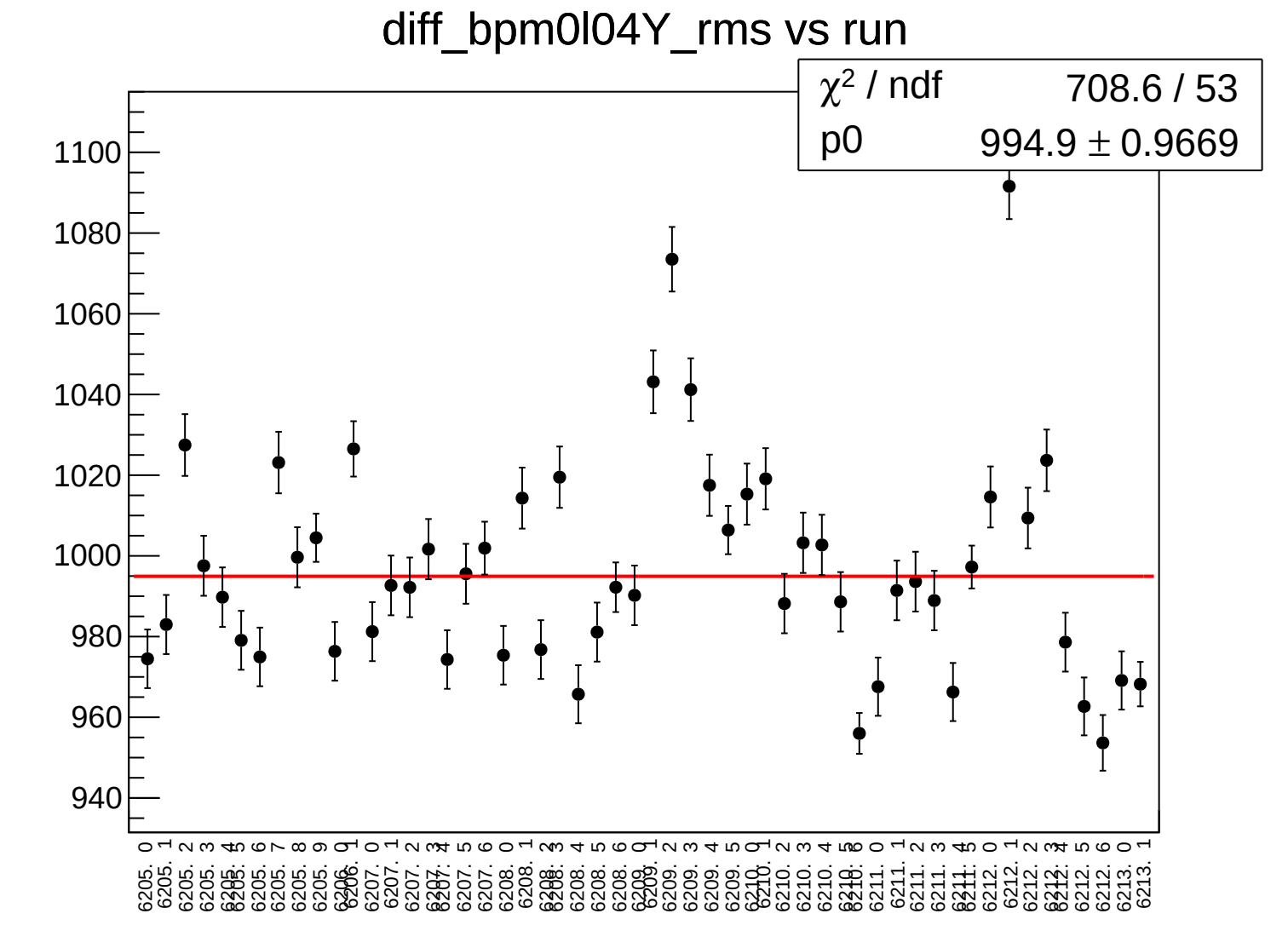

diff_bpm0l04X_mean vs run
χ² / ndf 56.13 / 53
p0 −97.06 ± 13.92
pull
Entries 54
Mean 53.77
Std Dev 32.4

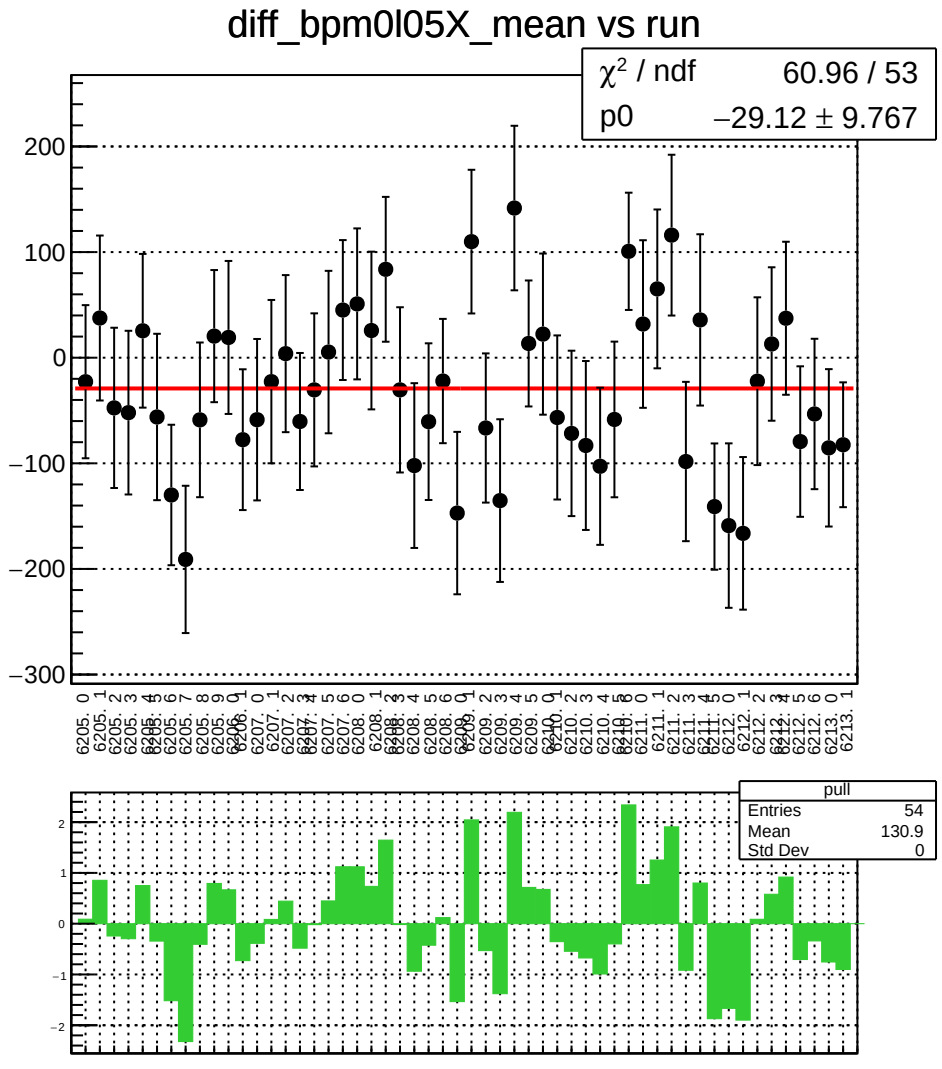

pull1D
Entries 54
Mean −0.02371
Std Dev 1.019

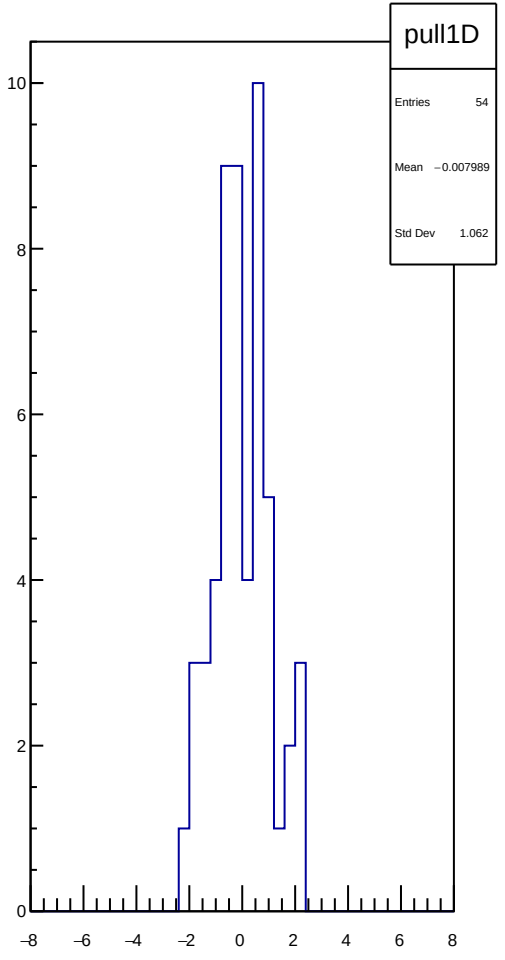

diff_bpm0l04X_rms vs run
χ² / ndf 110.1 / 53
p0 1.013e+04 ± 9.839
10400
10300
10200
10100
10000
9900
9800
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

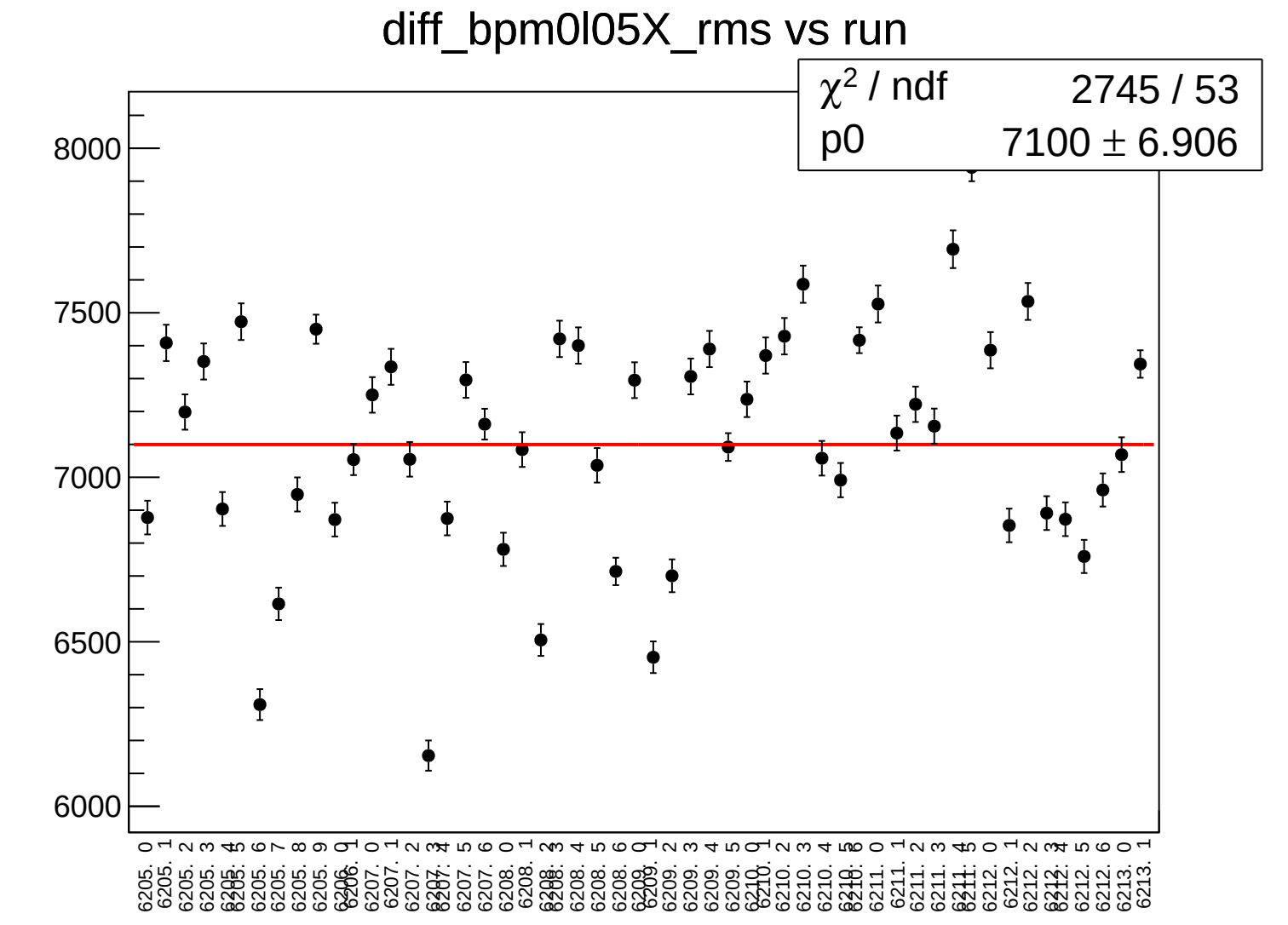

diff_bpm0l04Y_mean vs run
χ² / ndf 66.63 / 53
p0 −4.462 ± 1.367
pull
Entries 54
Mean −1.083e+04
Std Dev 0

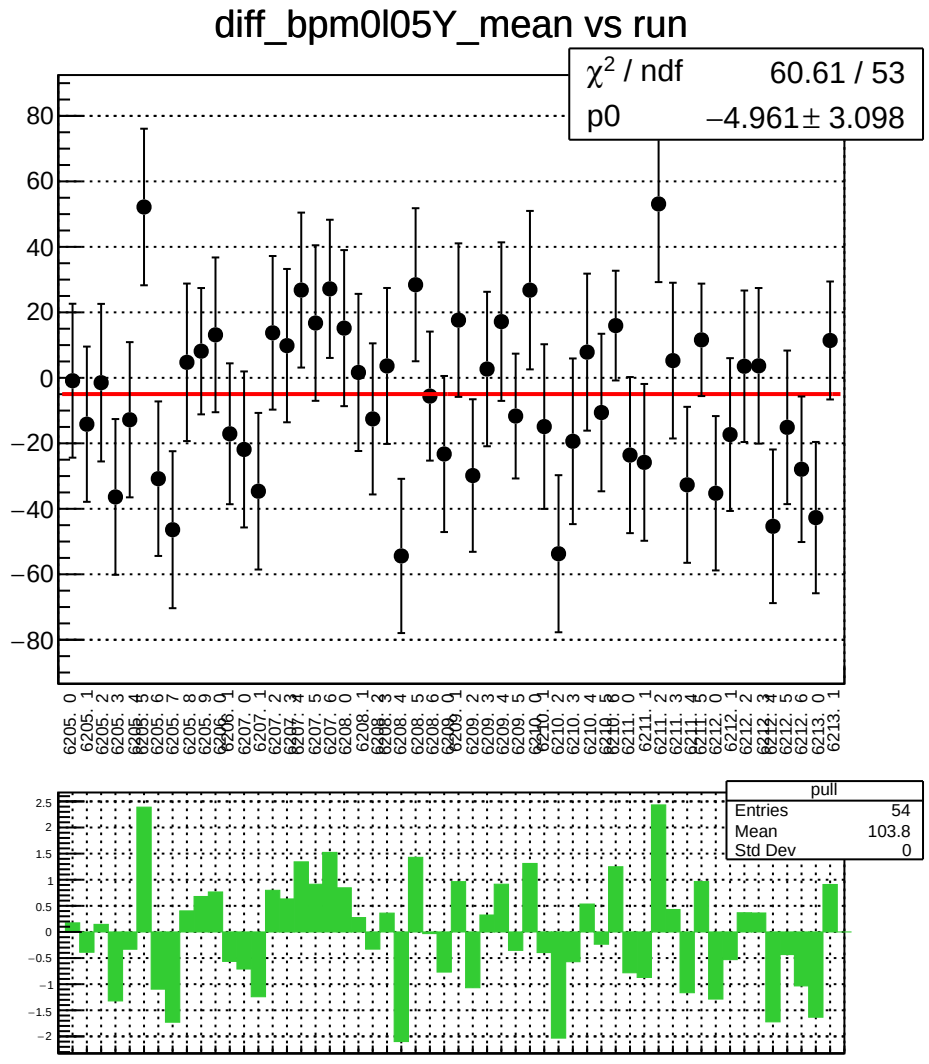

pull1D
Entries 54
Mean −0.0005378
Std Dev 1.111

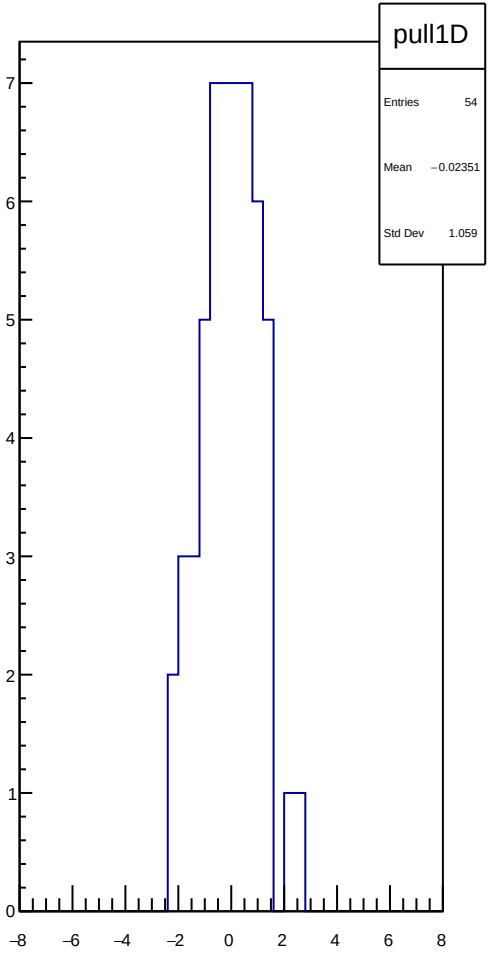

diff_bpm0l04Y_rms vs run
χ² / ndf 708.6 / 53
p0 994.9 ± 0.9669
1100
1080
1060
1040
1020
1000
980
960
940
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

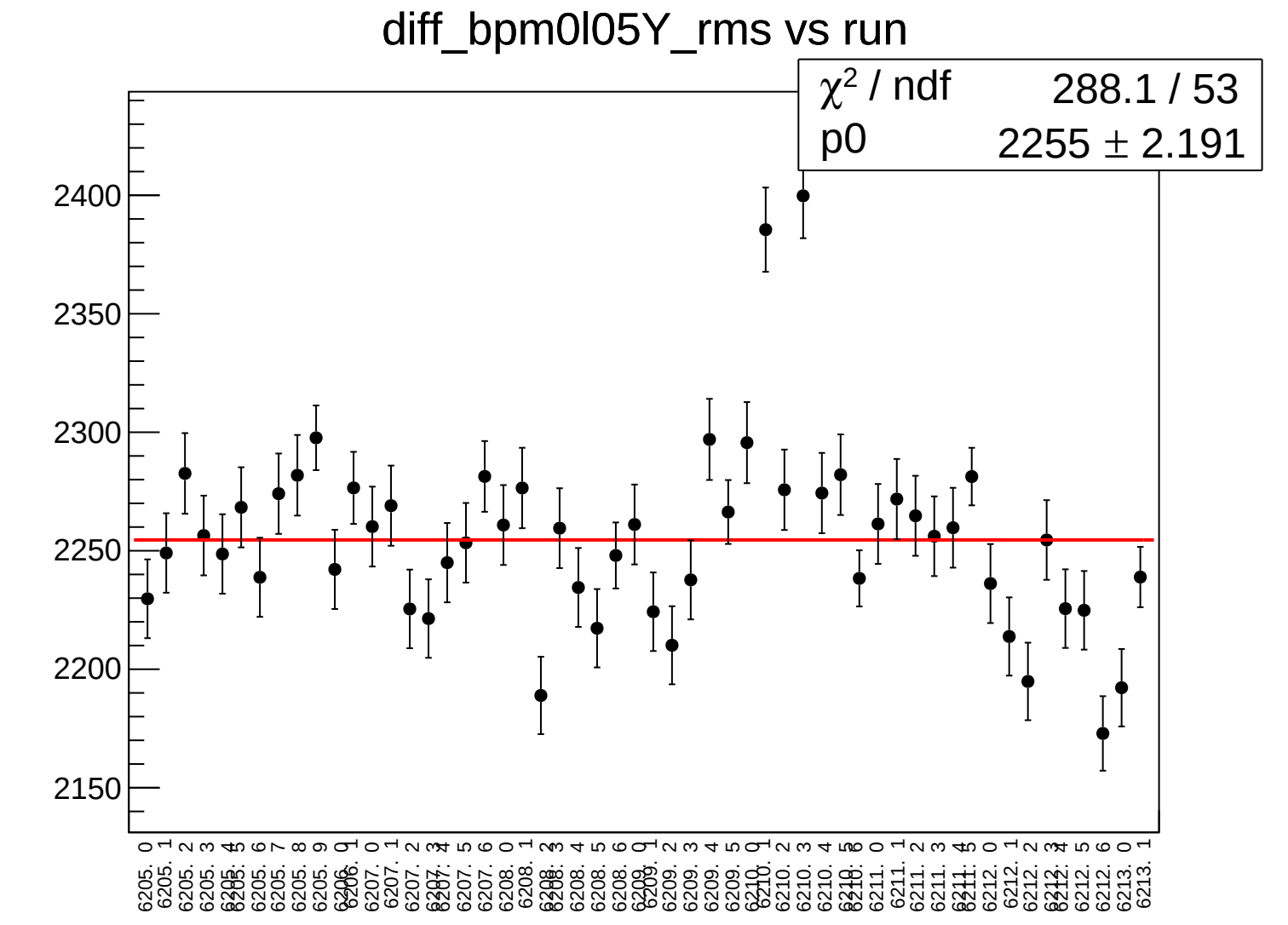

diff_bpm0l05X_mean vs run
χ² / ndf 60.96 / 53
p0 −29.12 ± 9.767
200
100
0
−100
−200
−300
pull
Entries 54
Mean 130.9
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 54
Mean −0.007989
Std Dev 1.062
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


diff_bpm0l05X_rms vs run
χ² / ndf 2745 / 53
p0 7100 ± 6.906
8000
7500
7000
6500
6000
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


diff_bpm0l05Y_mean vs run
χ² / ndf 60.61 / 53
p0 −4.961± 3.098
pull
Entries 54
Mean 103.8
Std Dev 0


pull1D
Entries 54
Mean −0.02351
Std Dev 1.059


diff_bpm0l05Y_rms vs run
χ² / ndf 288.1 / 53
p0 2255 ± 2.191
2400
2350
2300
2250
2200
2150
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
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6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
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6210. 6
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6211. 1
6211. 2
6211. 3
6211. 4
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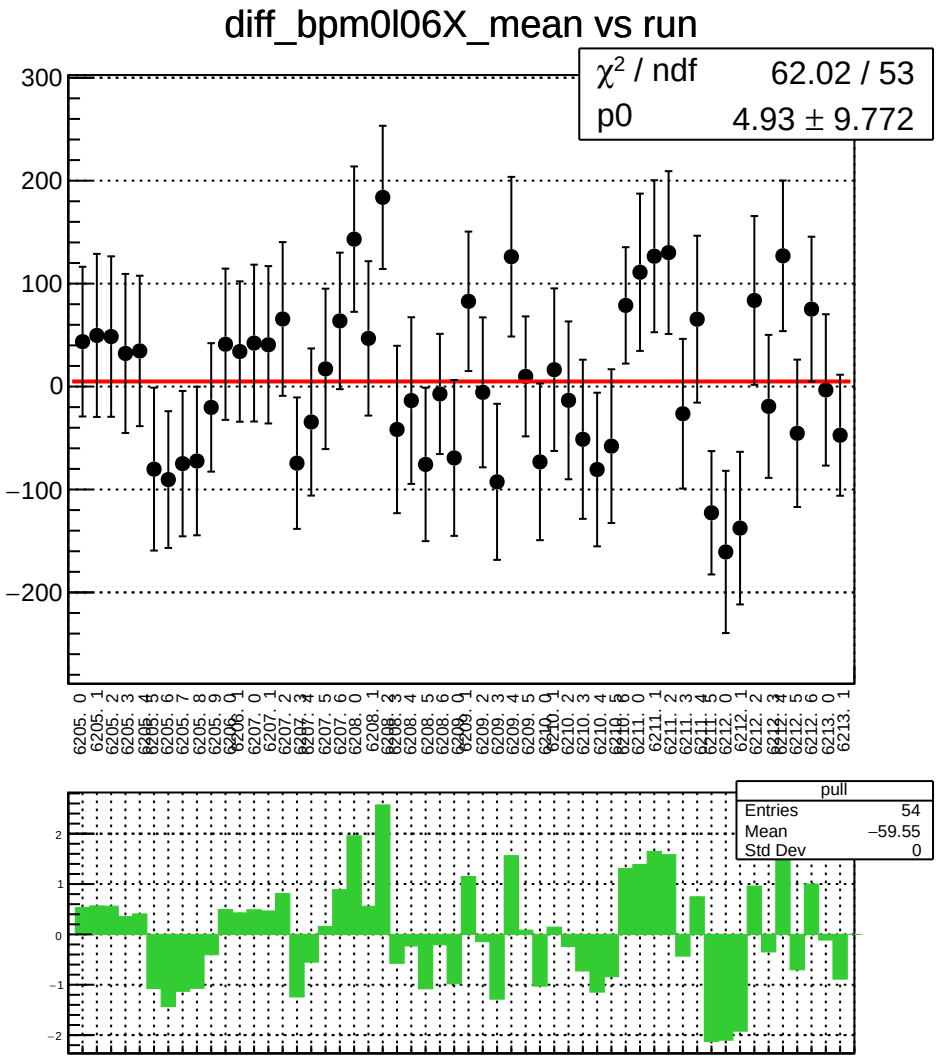
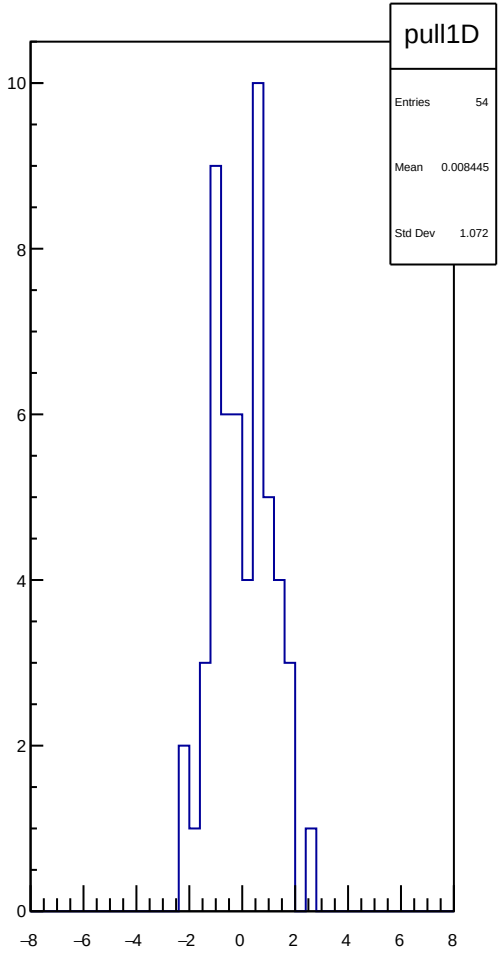
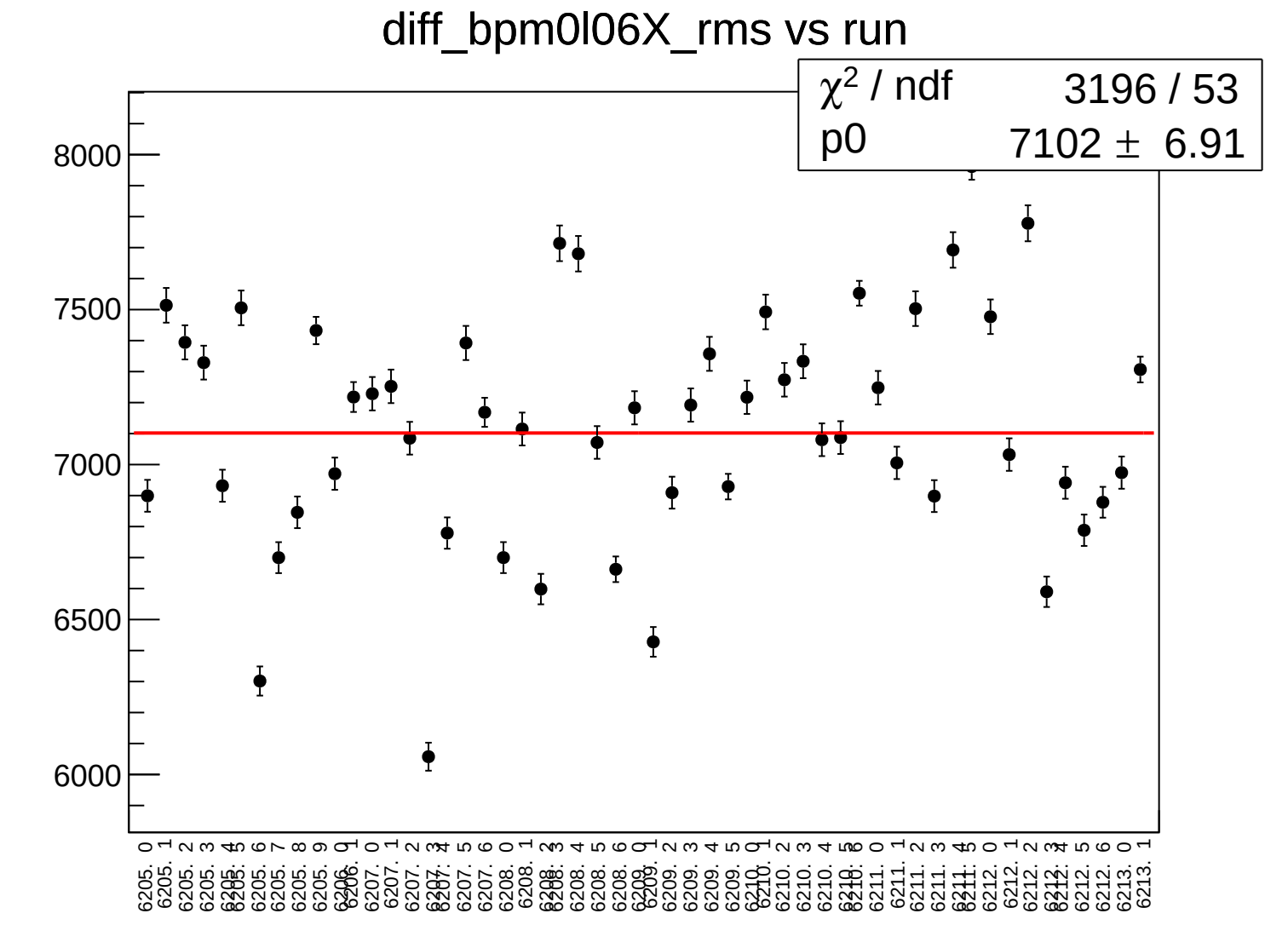
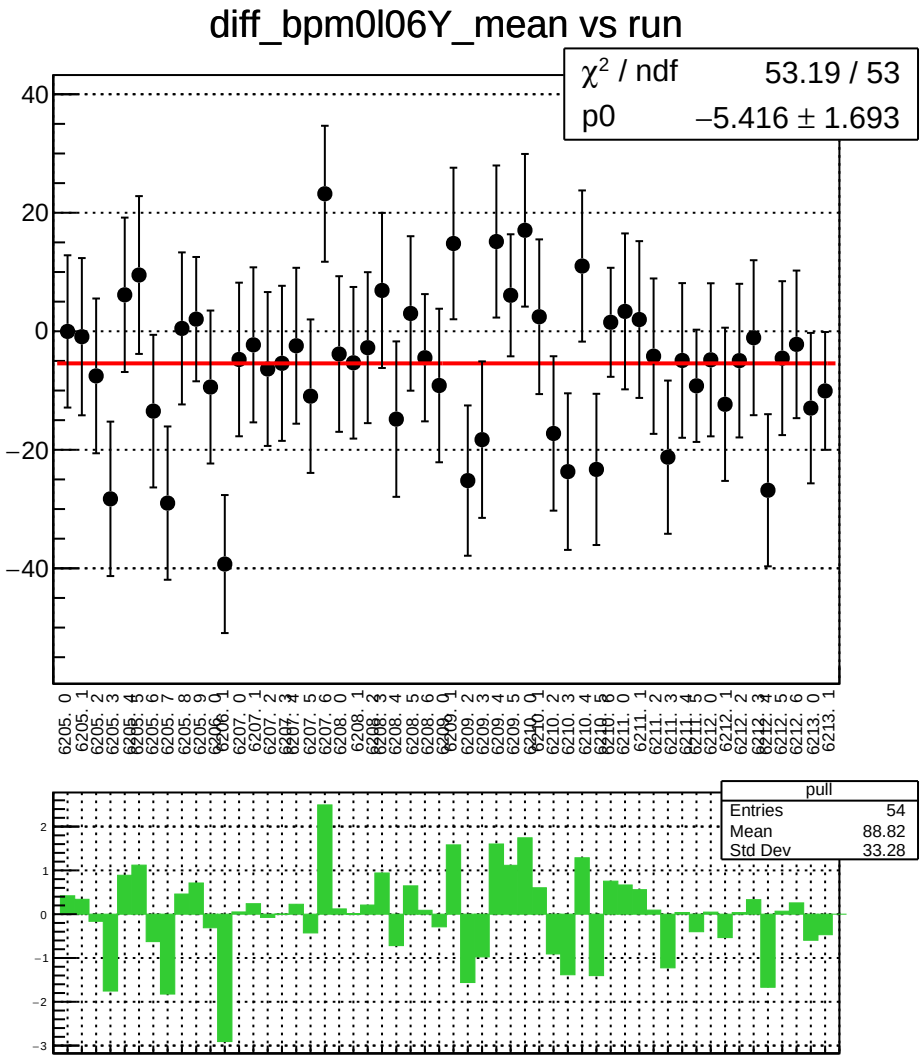
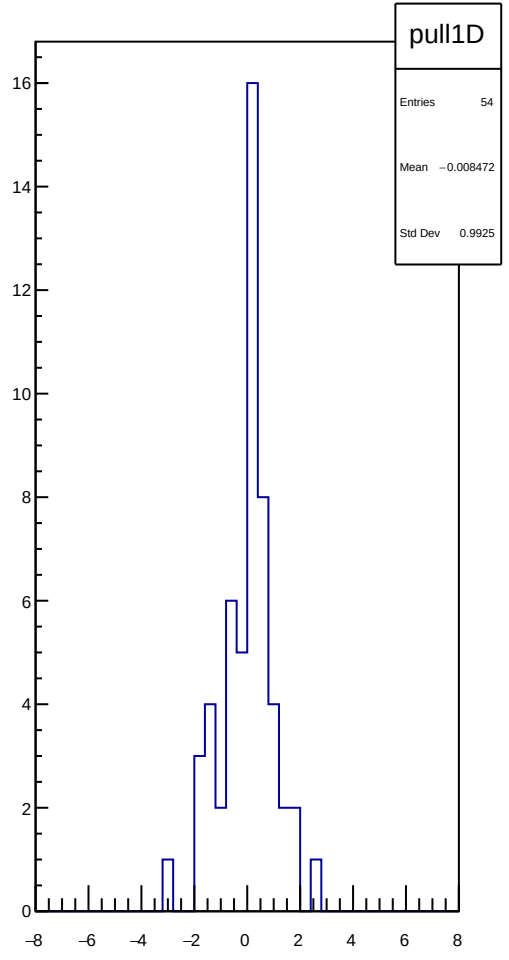
6213. 1

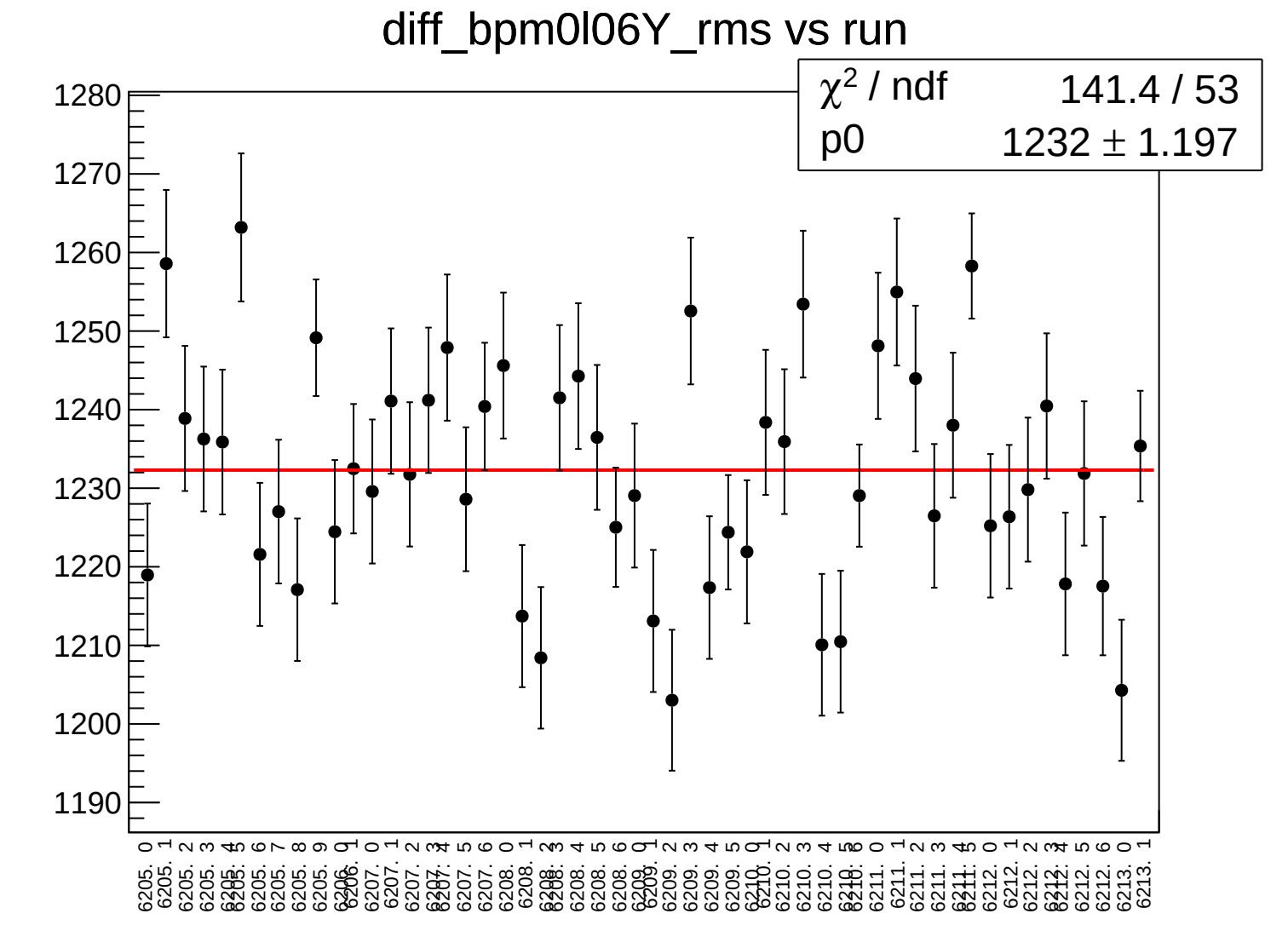

diff_bpm0l06X_mean vs run
χ² / ndf 62.02 / 53
p0 4.93 ± 9.772
pull
Entries 54
Mean −59.55
Std Dev 0

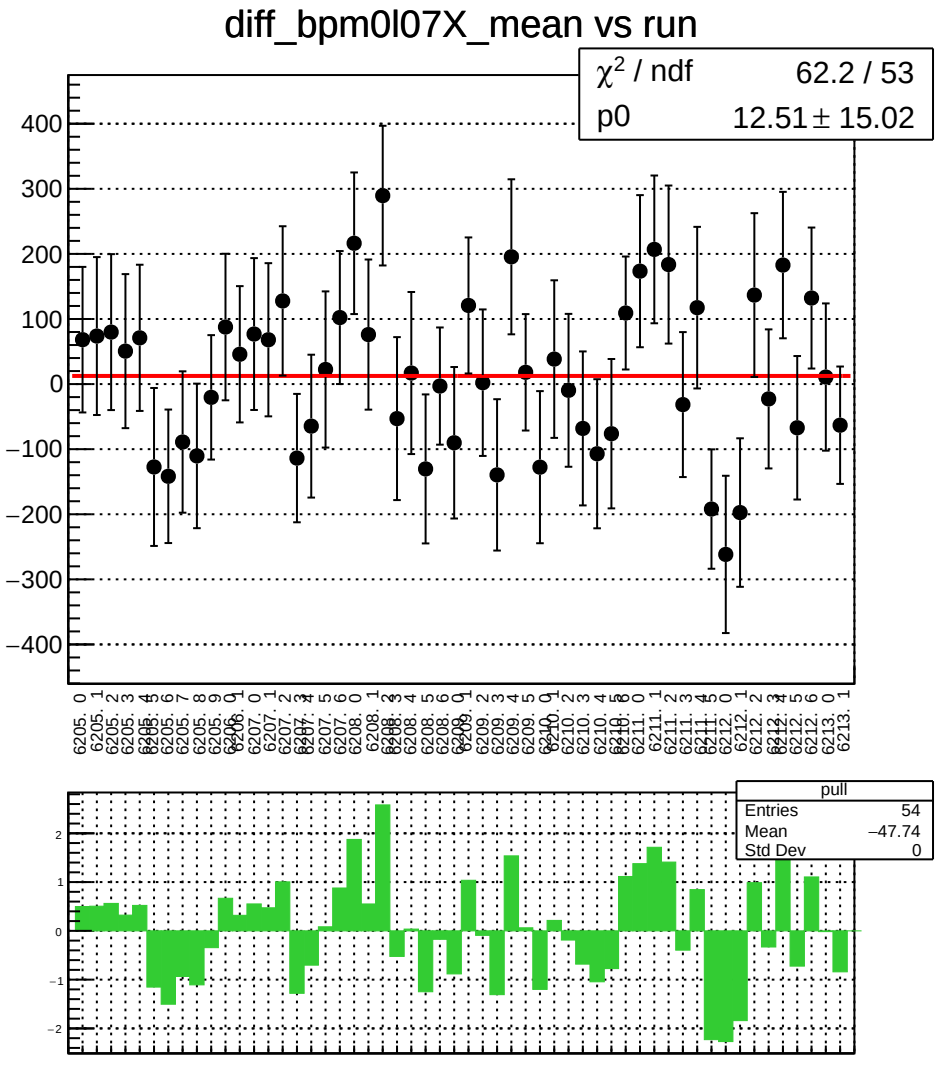

pull1D
Entries 54
Mean 0.008445
Std Dev 1.072

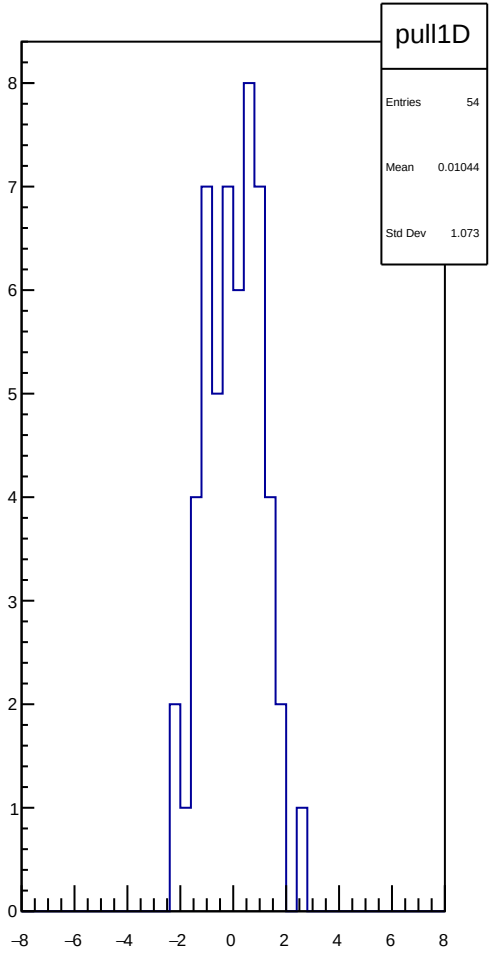

diff_bpm0l06X_rms vs run
χ² / ndf 3196 / 53
p0 7102 ± 6.91
8000
7500
7000
6500
6000
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

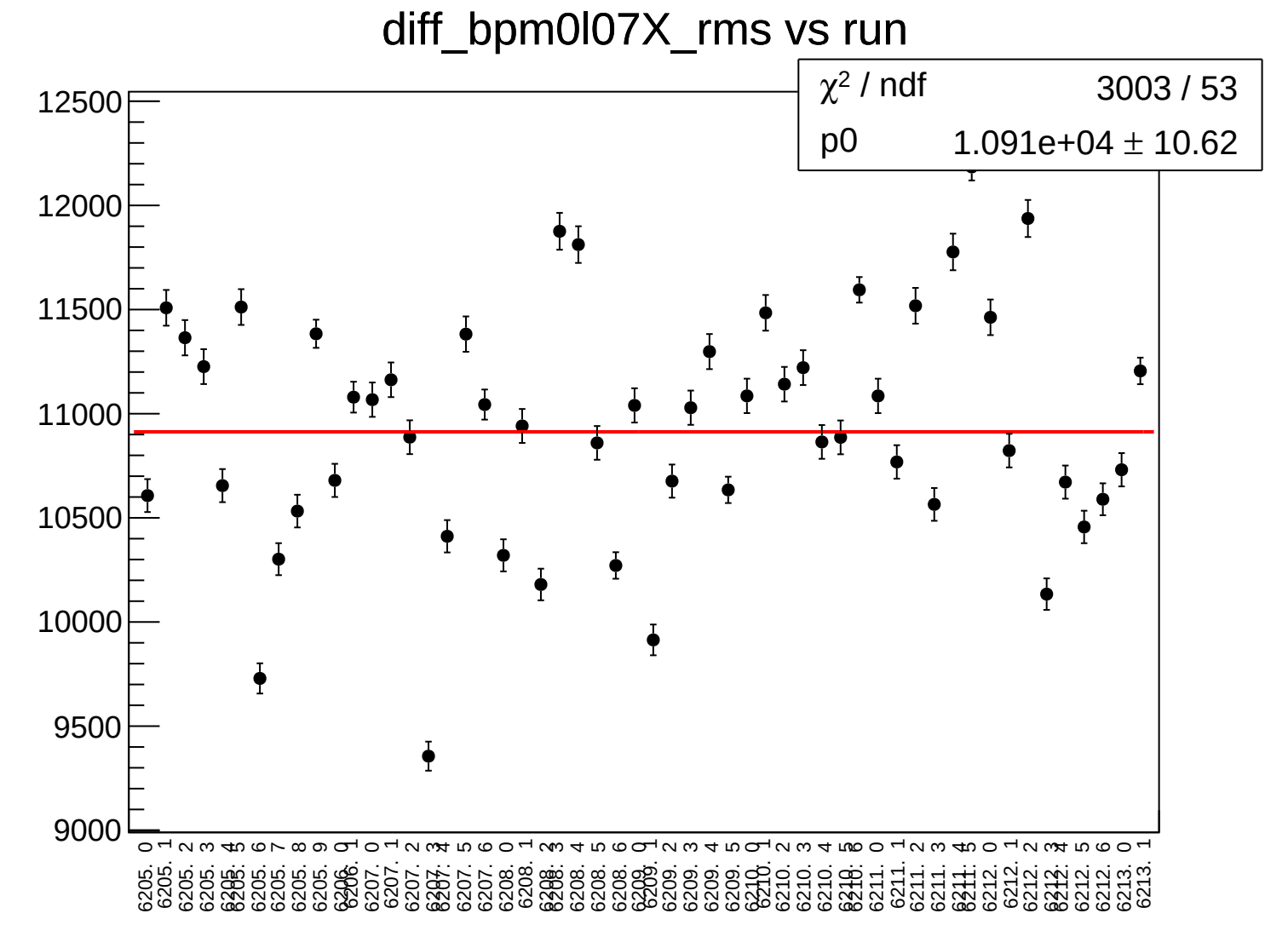

diff_bpm0l06Y_mean vs run
χ² / ndf 53.19 / 53
p0 −5.416 ± 1.693
pull
Entries 54
Mean 88.82
Std Dev 33.28

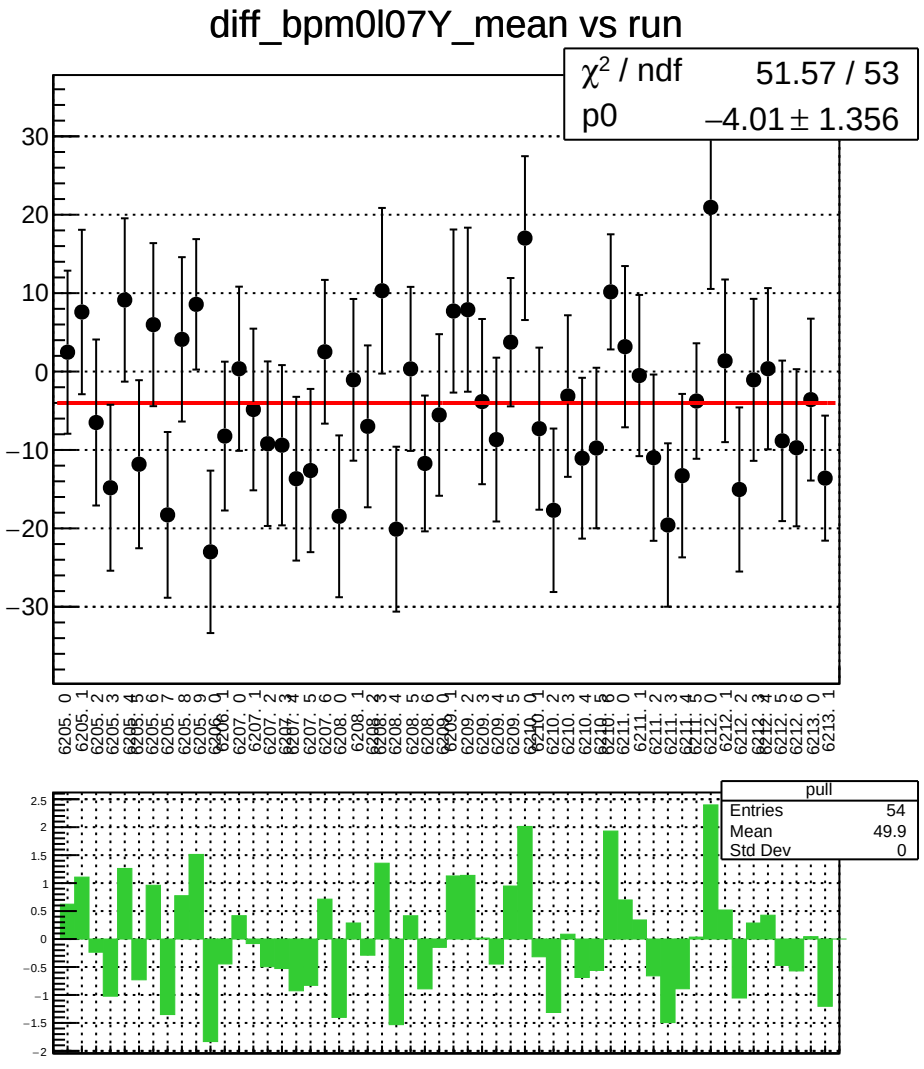

pull1D
Entries 54
Mean −0.008472
Std Dev 0.9925

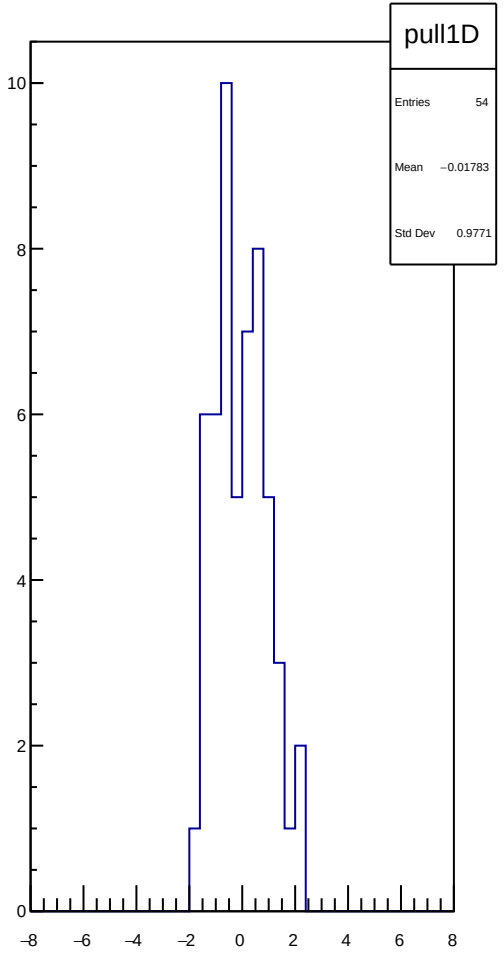

diff_bpm0l06Y_rms vs run
χ² / ndf 141.4 / 53
p0 1232 ± 1.197
1280
1270
1260
1250
1240
1230
1220
1210
1200
1190
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

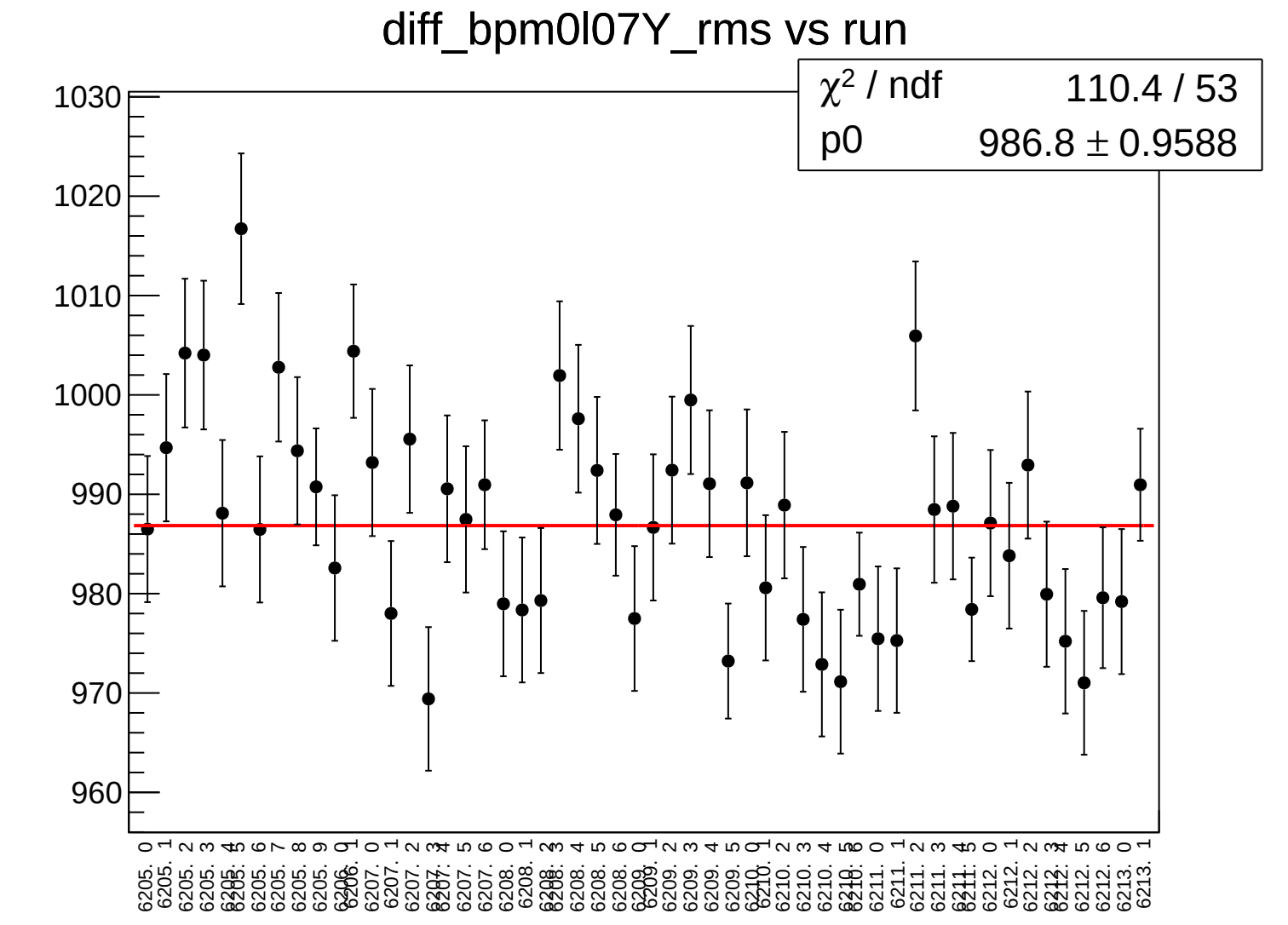

diff_bpm0l07X_mean vs run
χ^2 / ndf 62.2 / 53
p0 12.51 ± 15.02
pull
Entries 54
Mean −47.74
Std Dev 0

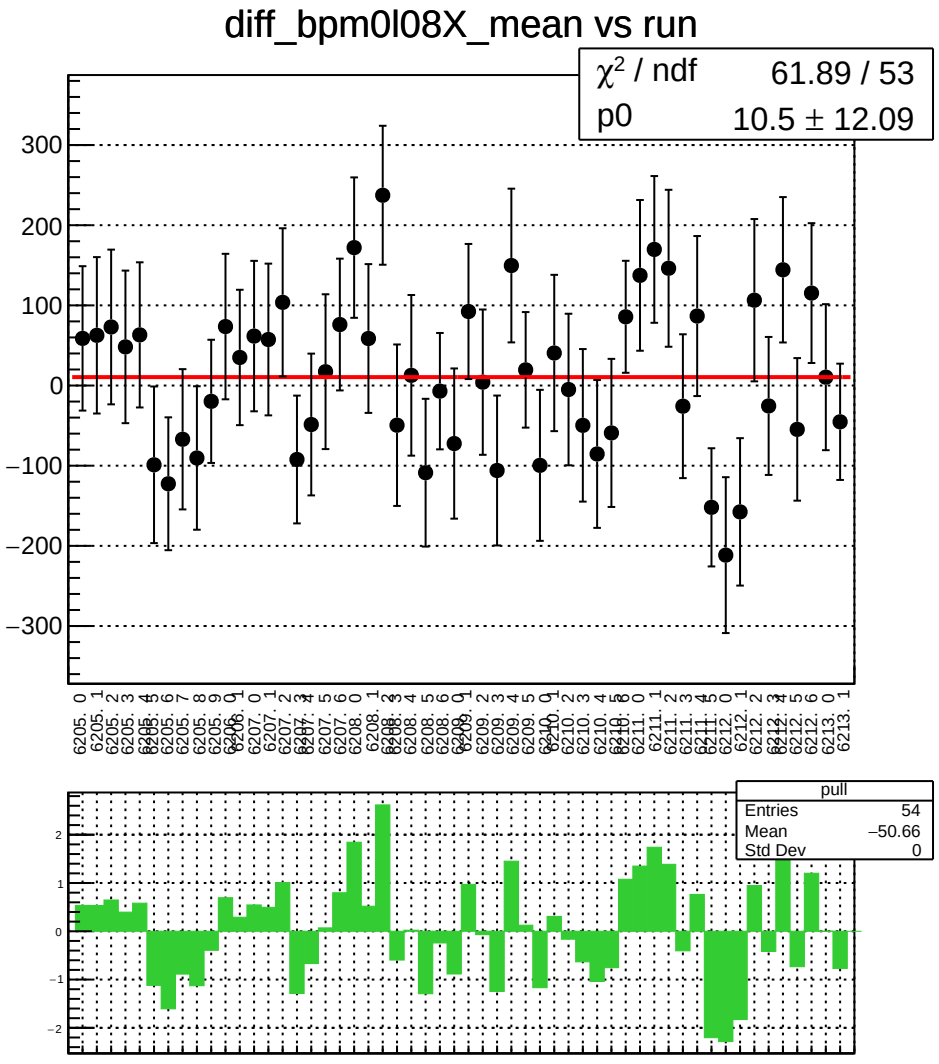

pull1D
Entries 54
Mean 0.01044
Std Dev 1.073

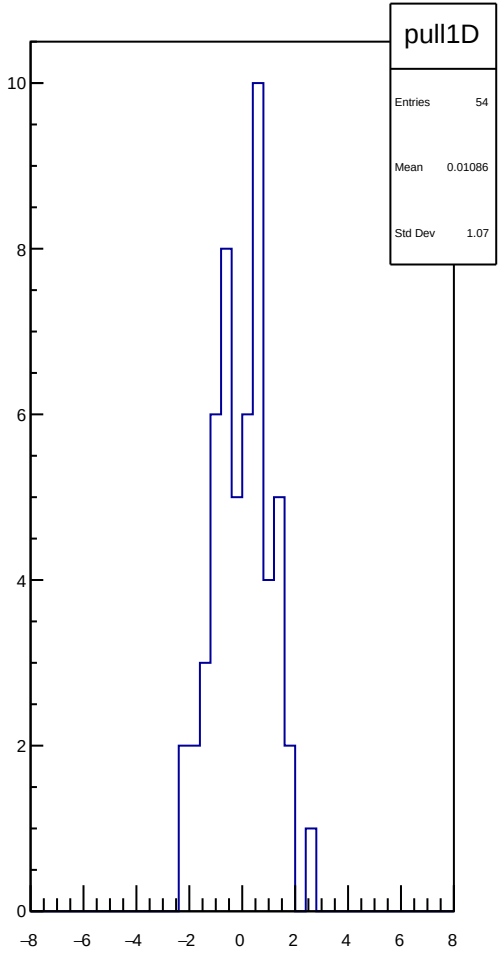

diff_bpm0l07X_rms vs run
χ² / ndf 3003 / 53
p0 1.091e+04 ± 10.62
12500
12000
11500
11000
10500
10000
9500
9000

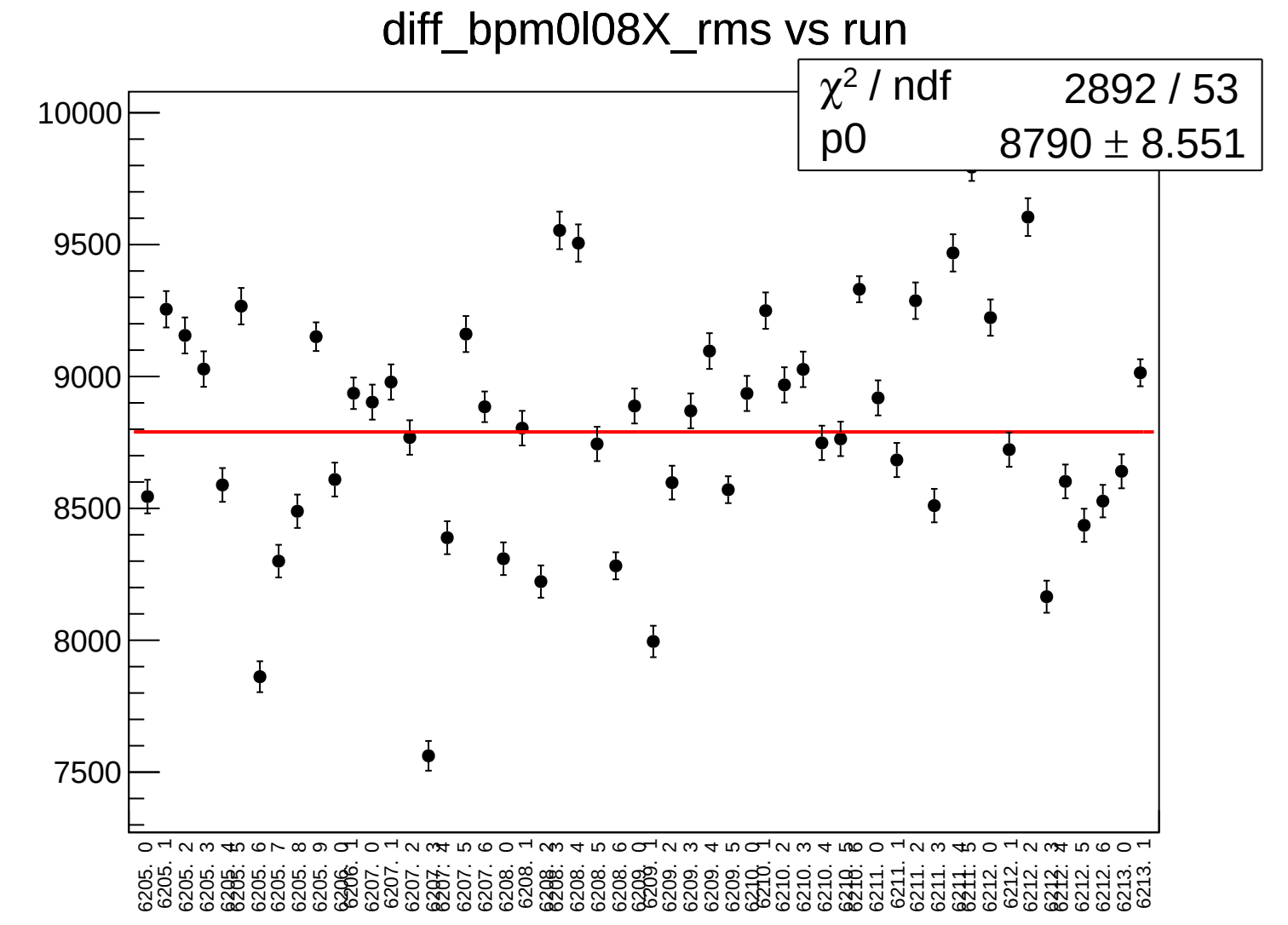

diff_bpm0l07Y_mean vs run
χ² / ndf 51.57 / 53
p0 −4.01 ± 1.356
pull
Entries 54
Mean 49.9
Std Dev 0

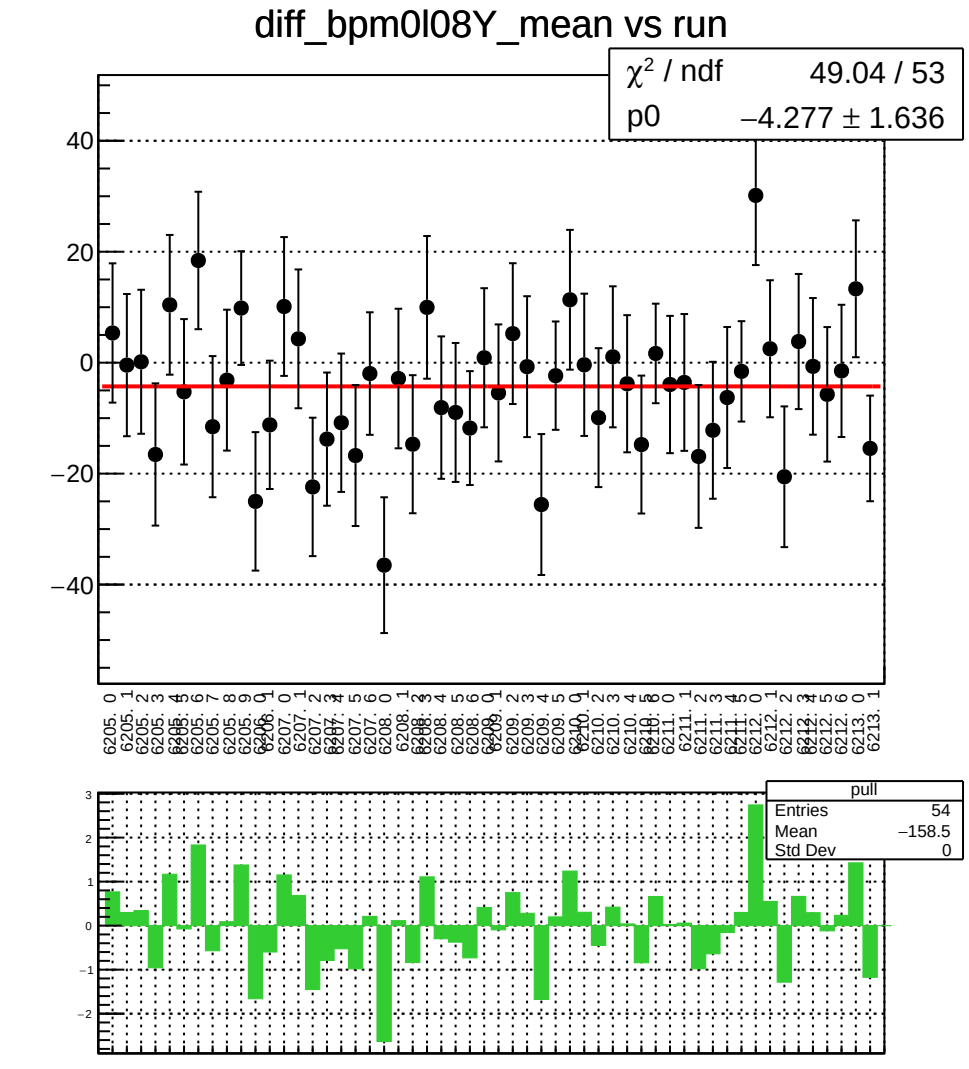

pull1D
Entries 54
Mean −0.01783
Std Dev 0.9771

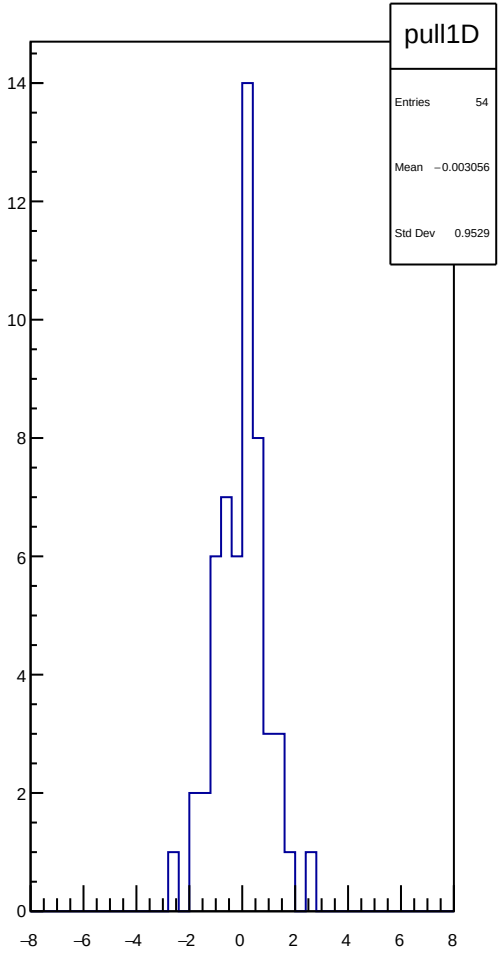

diff_bpm0l07Y_rms vs run
χ² / ndf 110.4 / 53
p0 986.8 ± 0.9588
1030
1020
1010
1000
990
980
970
960
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

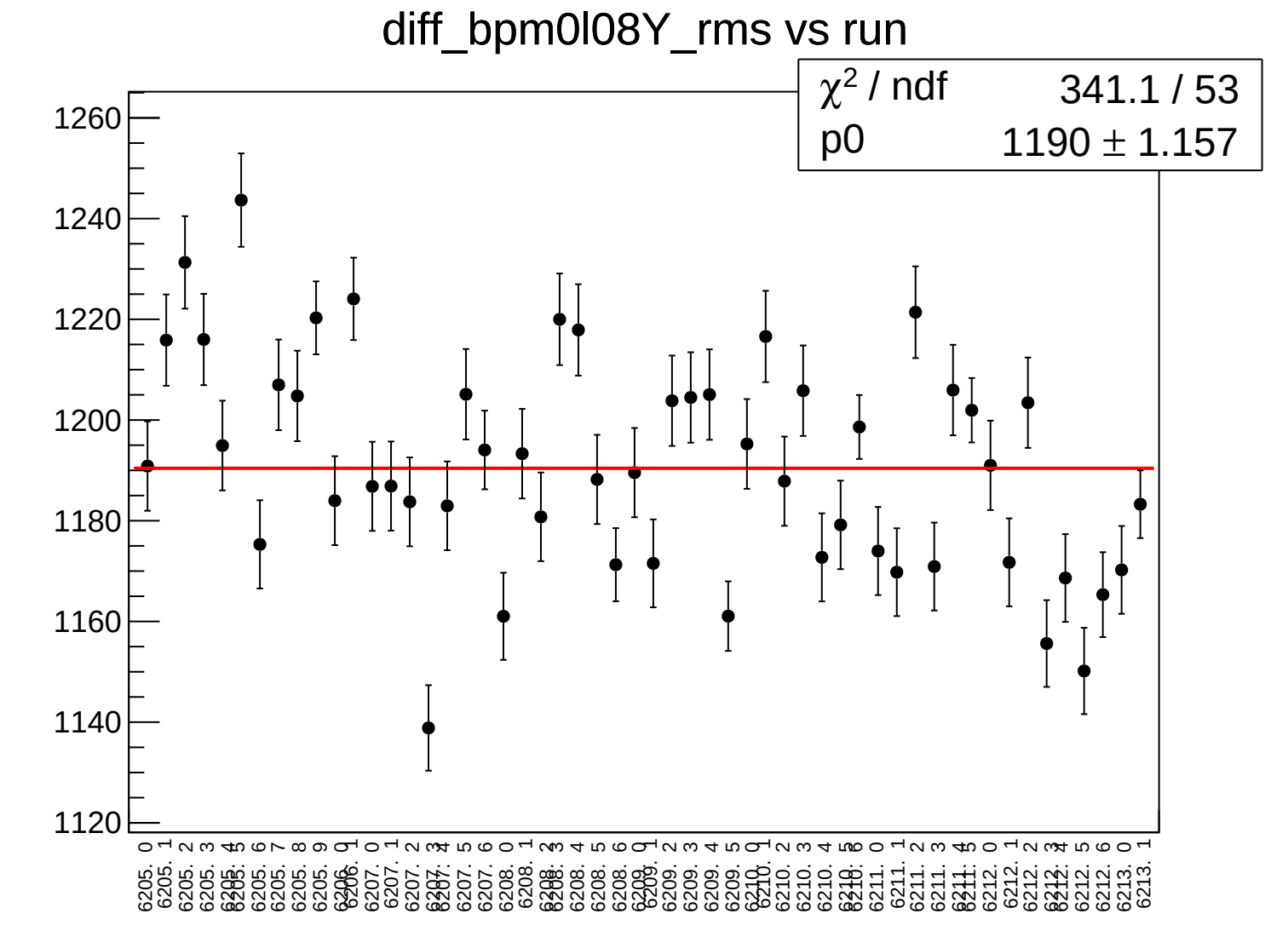

diff_bpm0l08X_mean vs run
χ² / ndf 61.89 / 53
p0 10.5 ± 12.09
pull
Entries 54
Mean −50.66
Std Dev 0

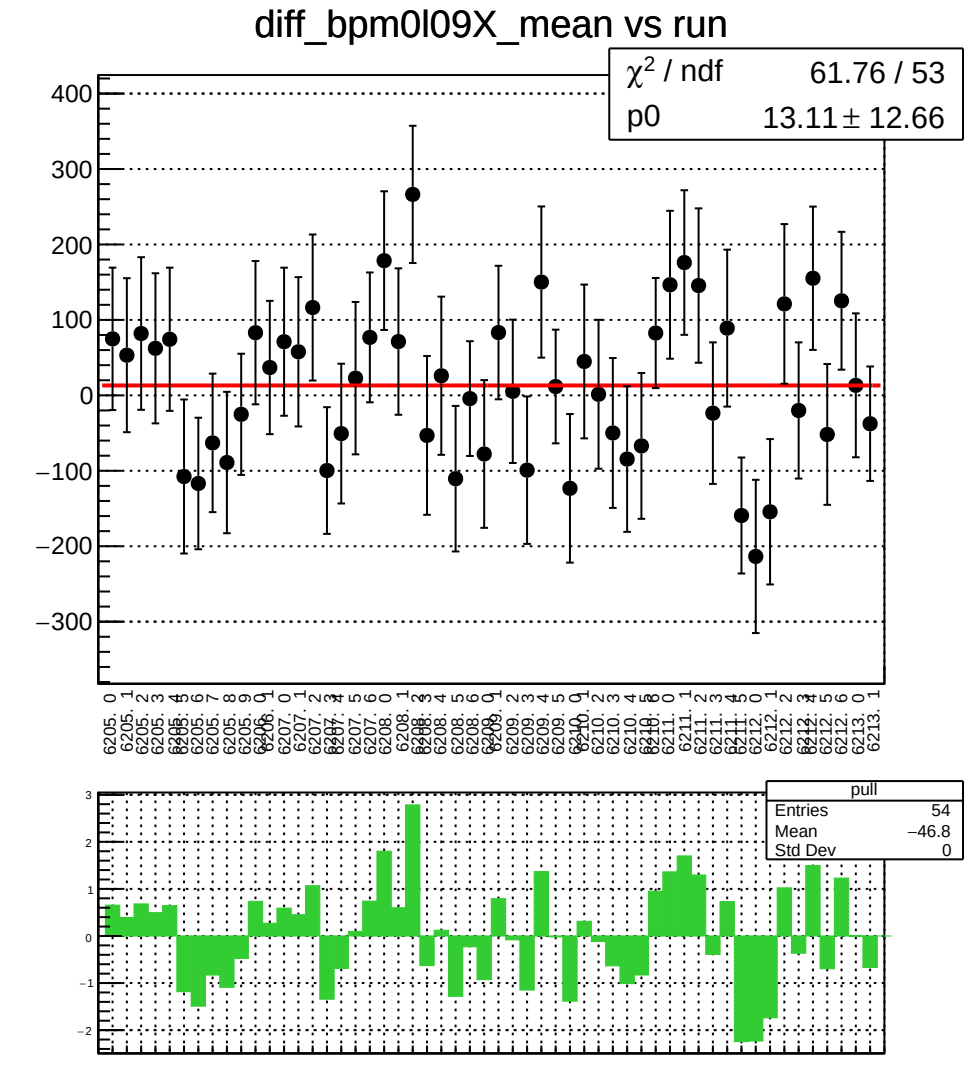

pull1D
Entries 54
Mean 0.01086
Std Dev 1.07

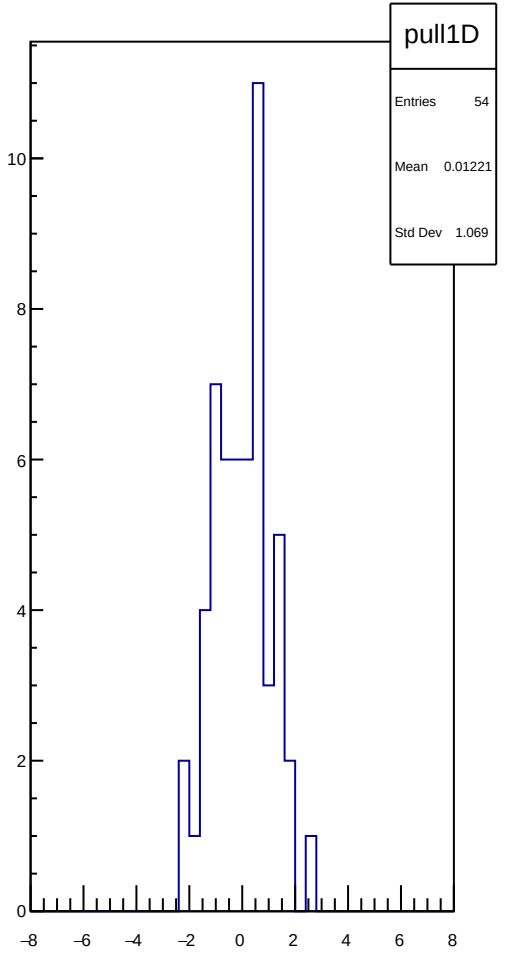

diff_bpm0l08X_rms vs run
χ² / ndf 2892 / 53
p0 8790 ± 8.551
10000
9500
9000
8500
8000
7500
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

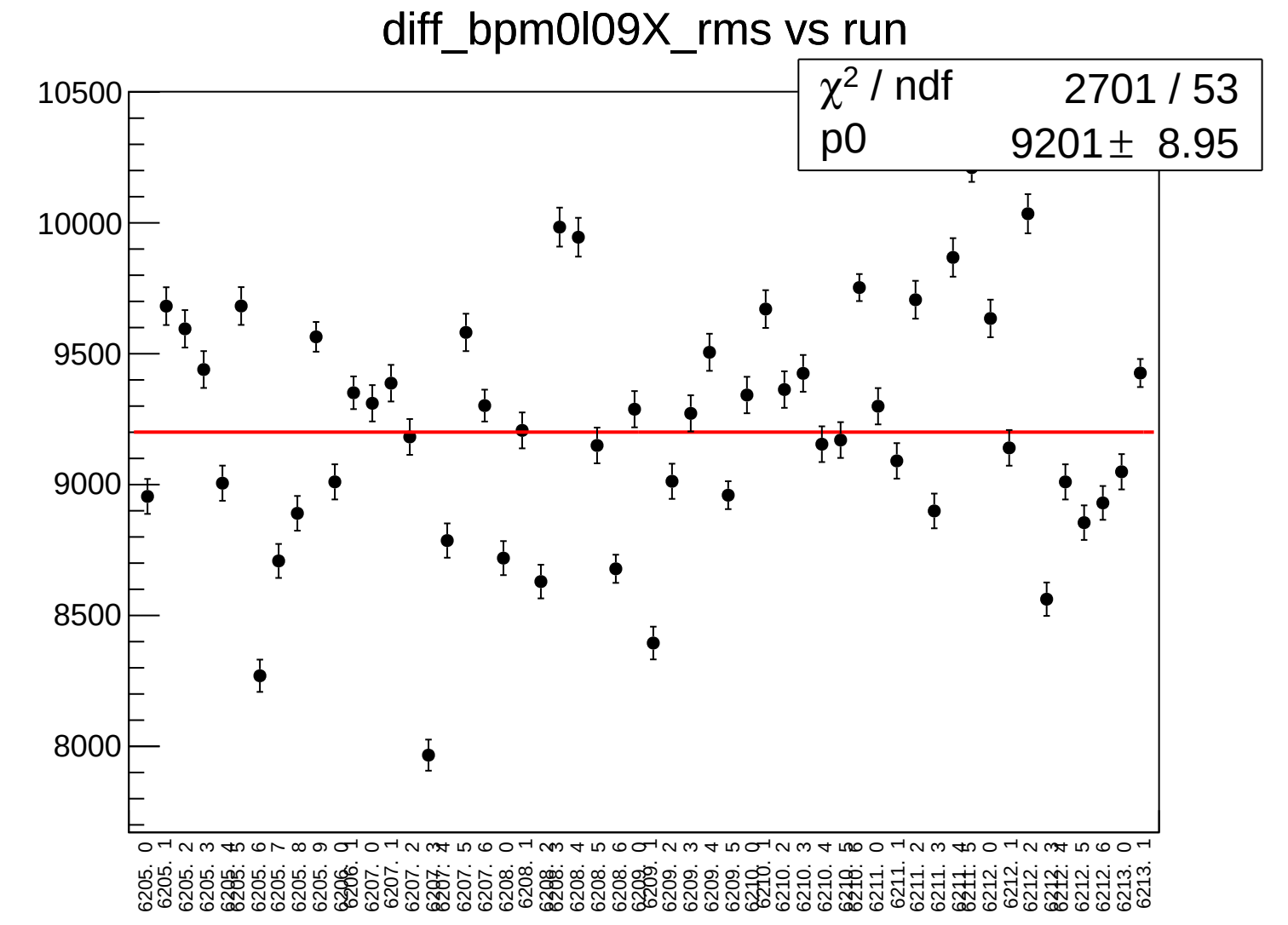

diff_bpm0l08Y_mean vs run
χ² / ndf 49.04 / 53
p0 −4.277 ± 1.636
pull
Entries 54
Mean −158.5
Std Dev 0

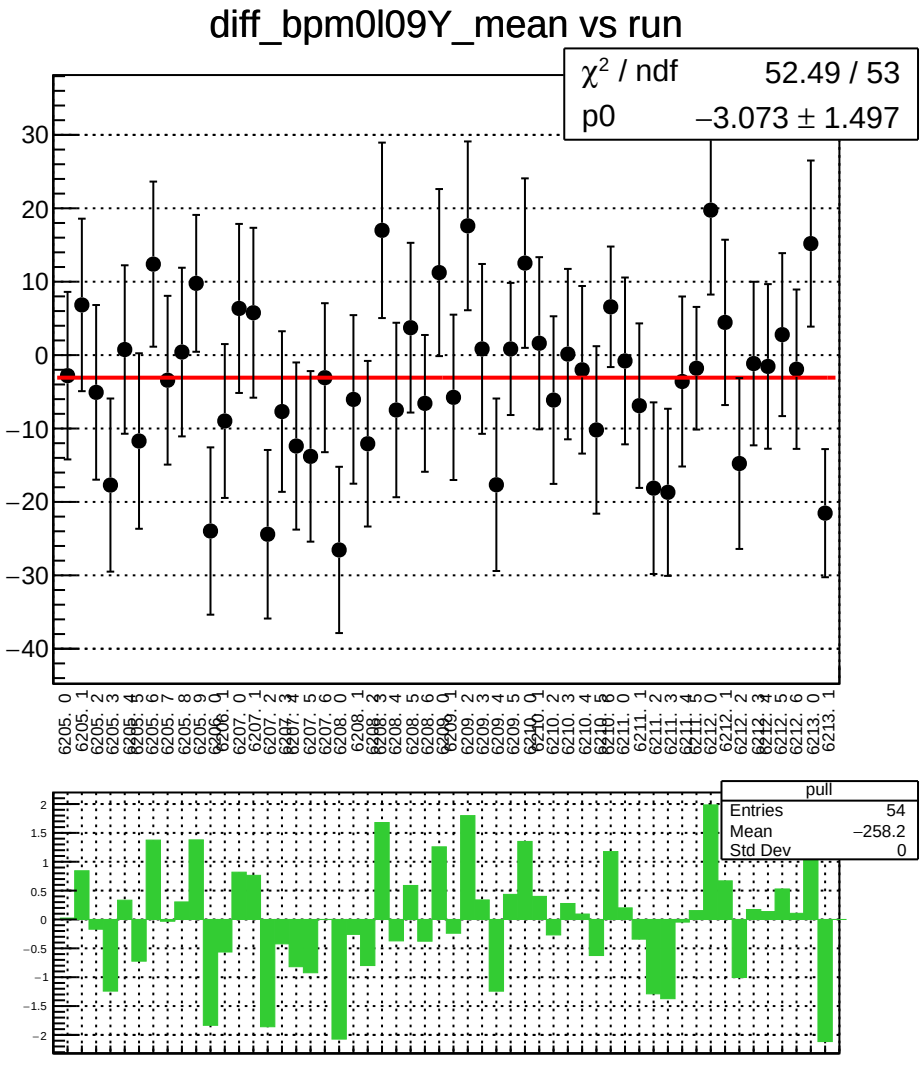

pull1D
Entries 54
Mean −0.003056
Std Dev 0.9529

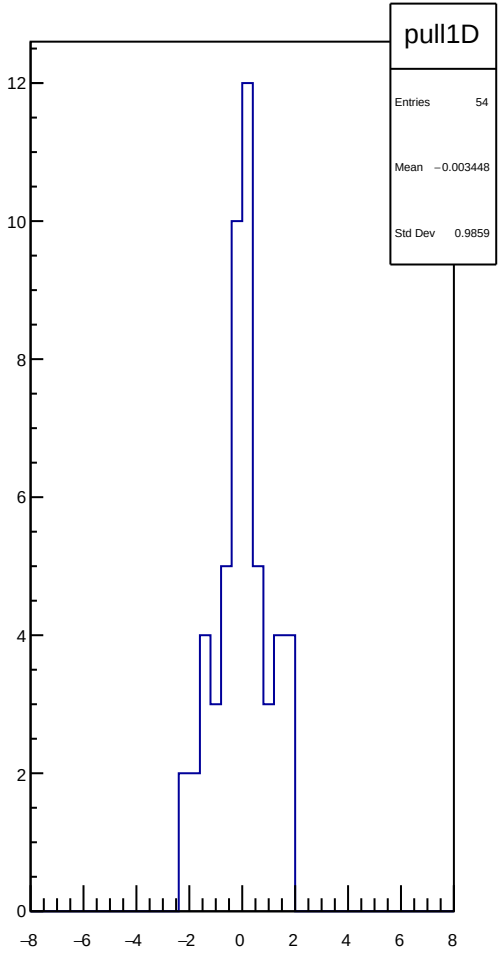

diff_bpm0l08Y_rms vs run
χ² / ndf 341.1 / 53
p0 1190 ± 1.157
1260
1240
1220
1200
1180
1160
1140
1120
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

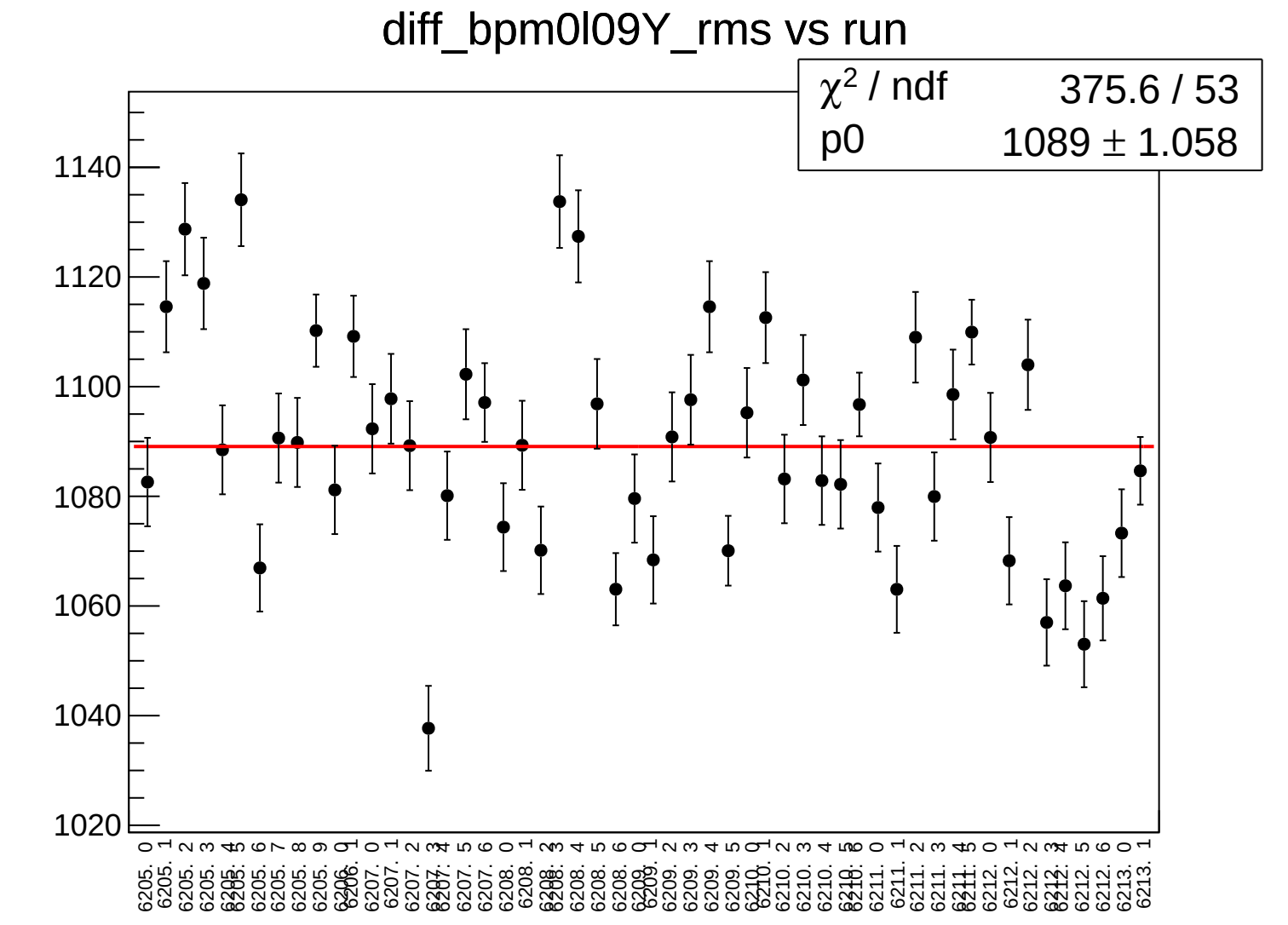

diff_bpm0l09X_mean vs run
χ² / ndf 61.76 / 53
p0 13.11 ± 12.66
pull
Entries 54
Mean −46.8
Std Dev 0

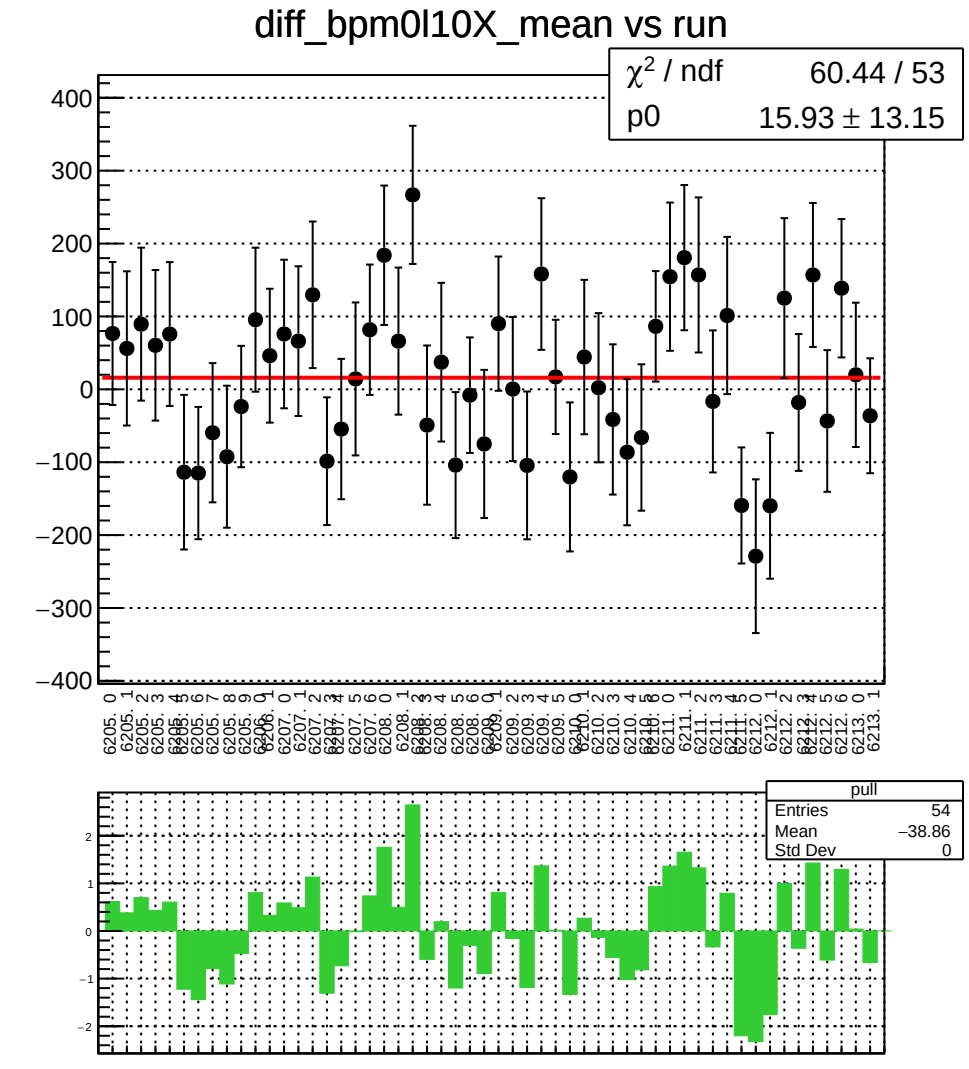

pull1D
Entries 54
Mean 0.01221
Std Dev 1.069

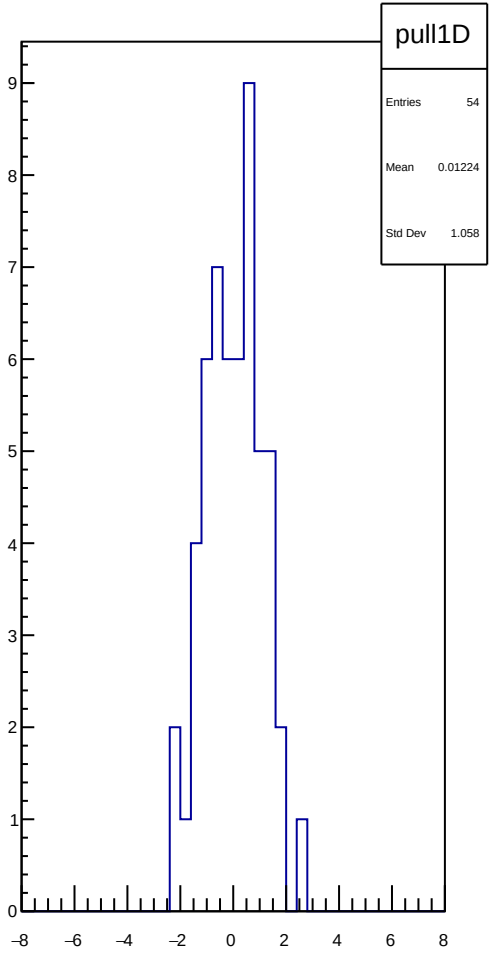

diff_bpm0l09X_rms vs run
χ² / ndf 2701 / 53
p0 9201 ± 8.95
10500
10000
9500
9000
8500
8000
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

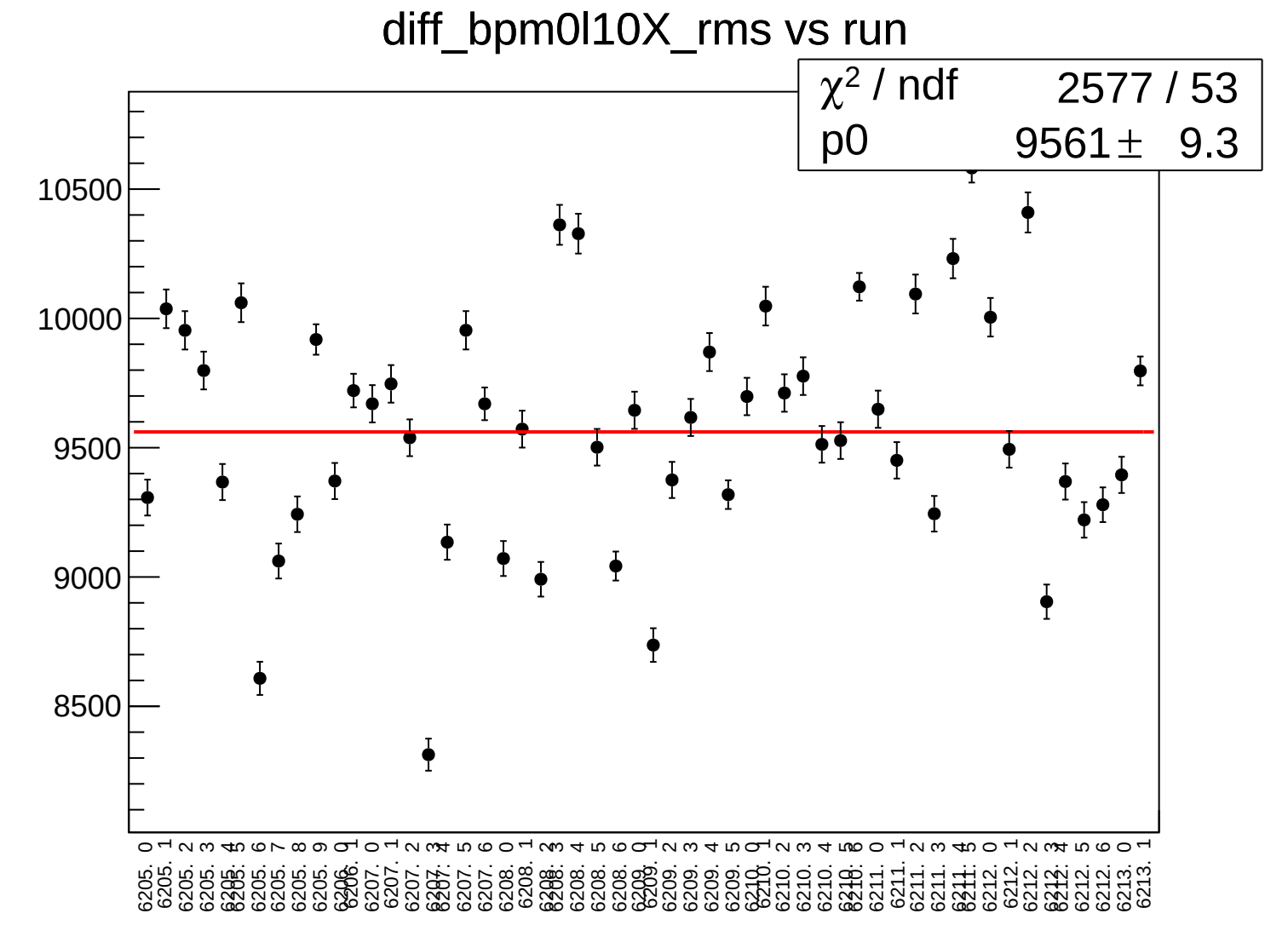

diff_bpm0l09Y_mean vs run
χ² / ndf 52.49 / 53
p0 −3.073 ± 1.497
pull
Entries 54
Mean −258.2
Std Dev 0

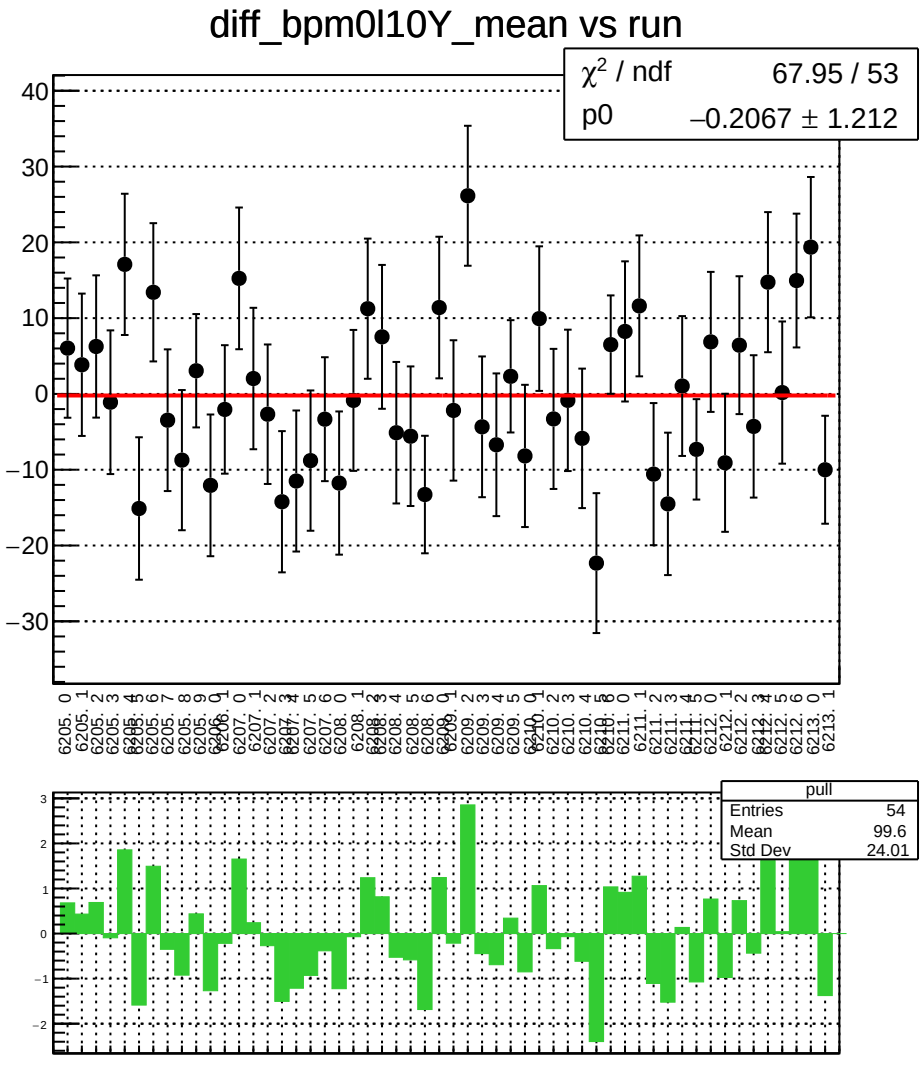

pull1D
Entries 54
Mean −0.003448
Std Dev 0.9859

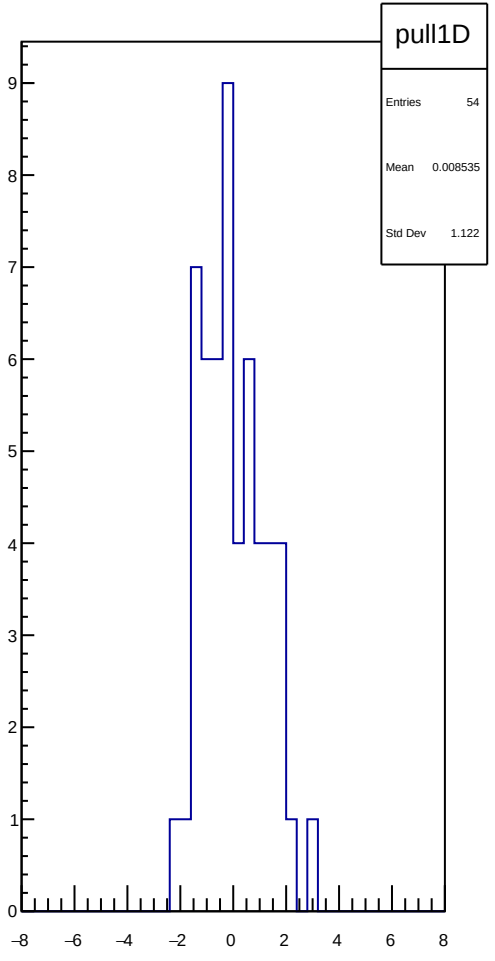

diff_bpm0l09Y_rms vs run
χ² / ndf 375.6 / 53
p0 1089 ± 1.058
1140
1120
1100
1080
1060
1040
1020
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

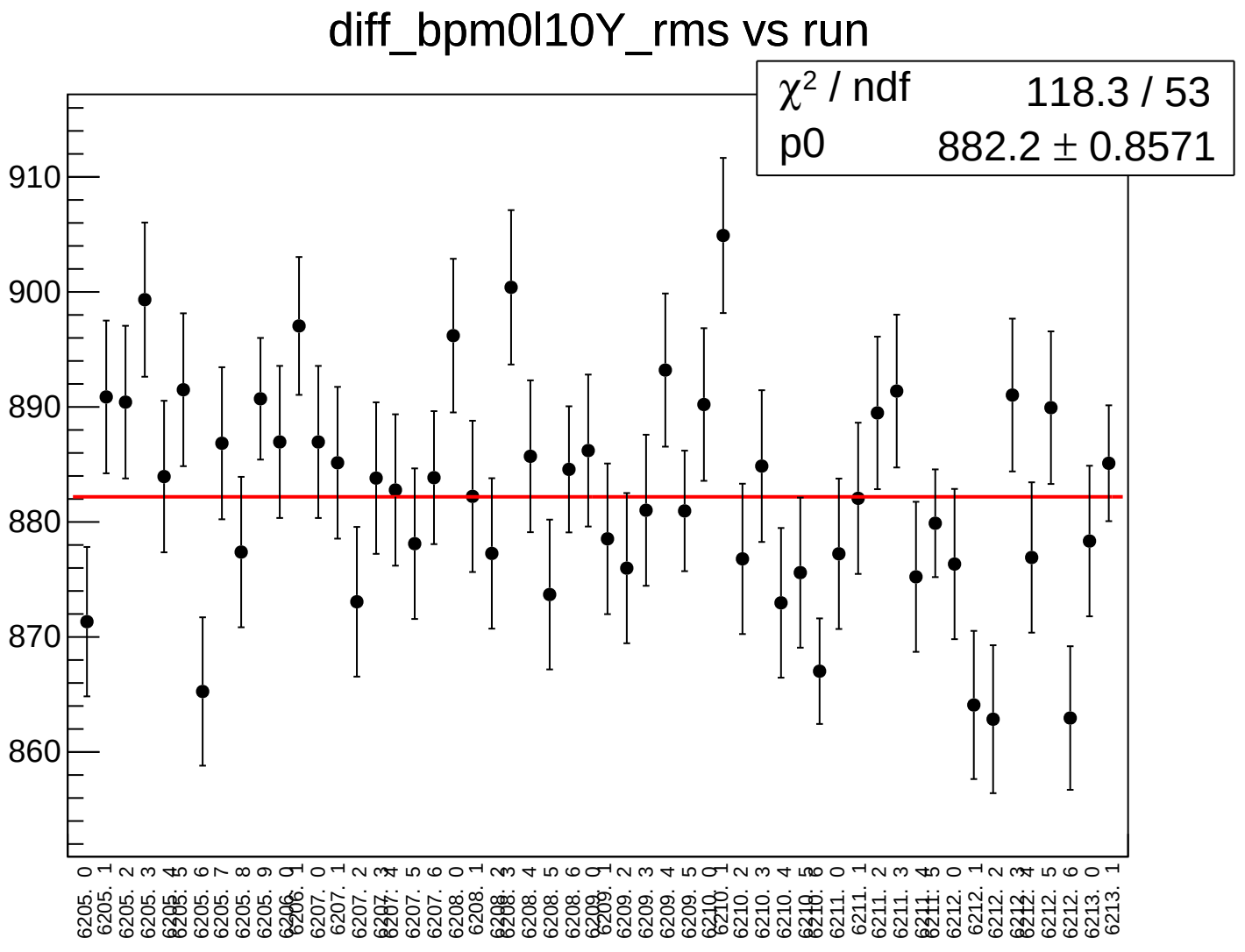

diff_bpm0l10X_mean vs run
χ² / ndf 60.44 / 53
p0 15.93 ± 13.15
pull
Entries 54
Mean −38.86
Std Dev 0

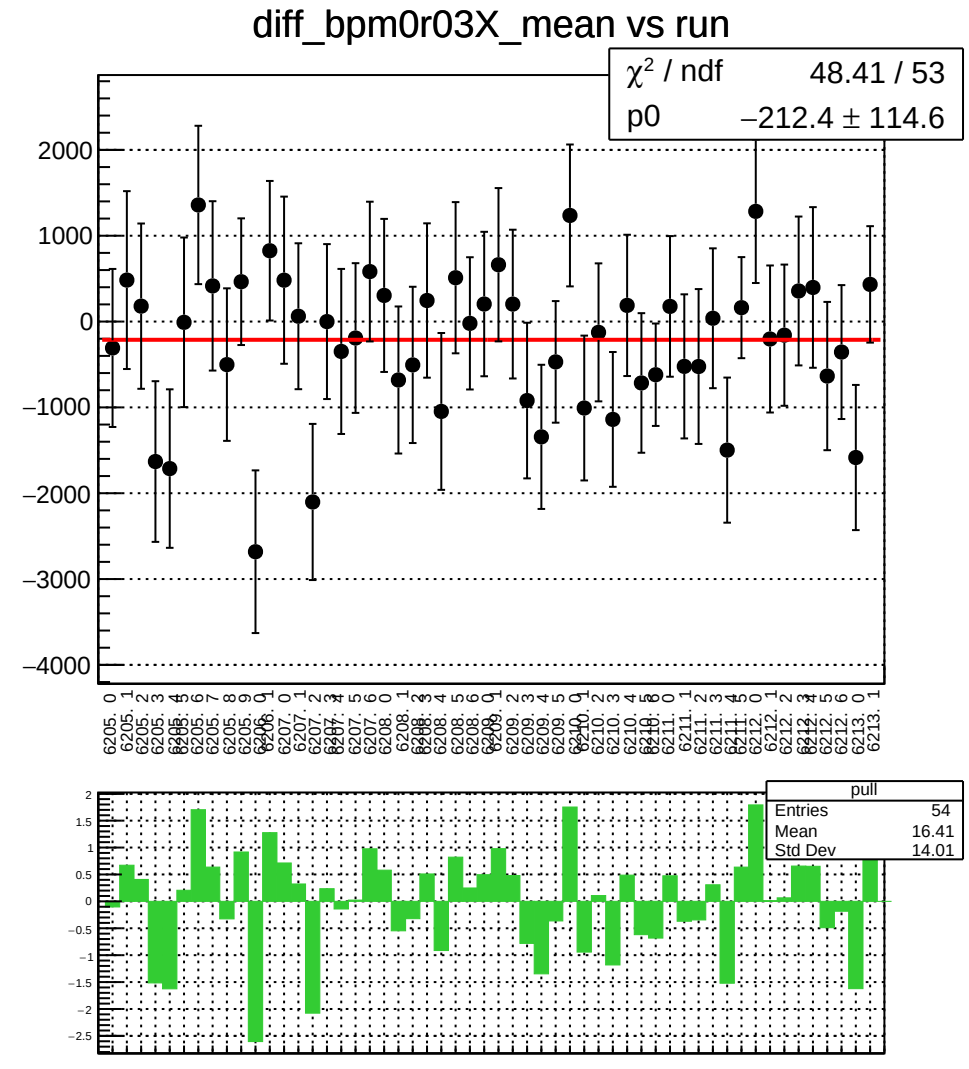

pull1D
Entries 54
Mean 0.01224
Std Dev 1.058

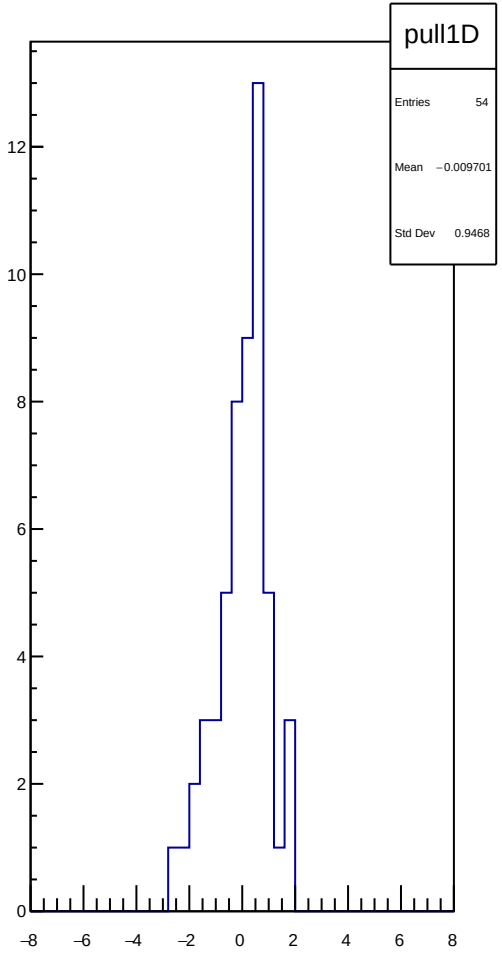

diff_bpm0l10X_rms vs run
χ² / ndf 2577 / 53
p0 9561 ± 9.3
10500
10000
9500
9000
8500
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

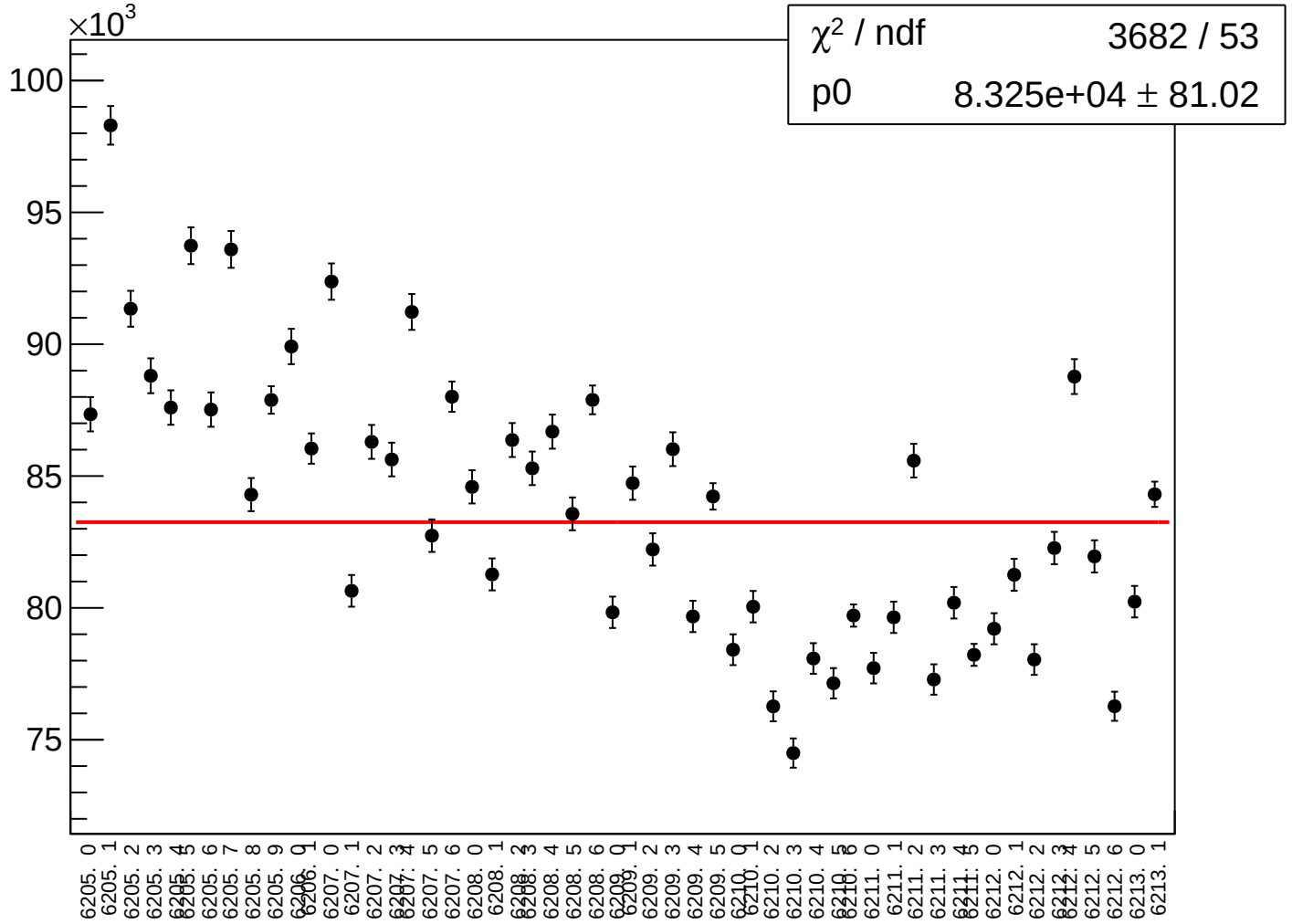

diff_bpm0l10Y_mean vs run
χ² / ndf 67.95 / 53
p0 −0.2067 ± 1.212
pull
Entries 54
Mean 99.6
Std Dev 24.01

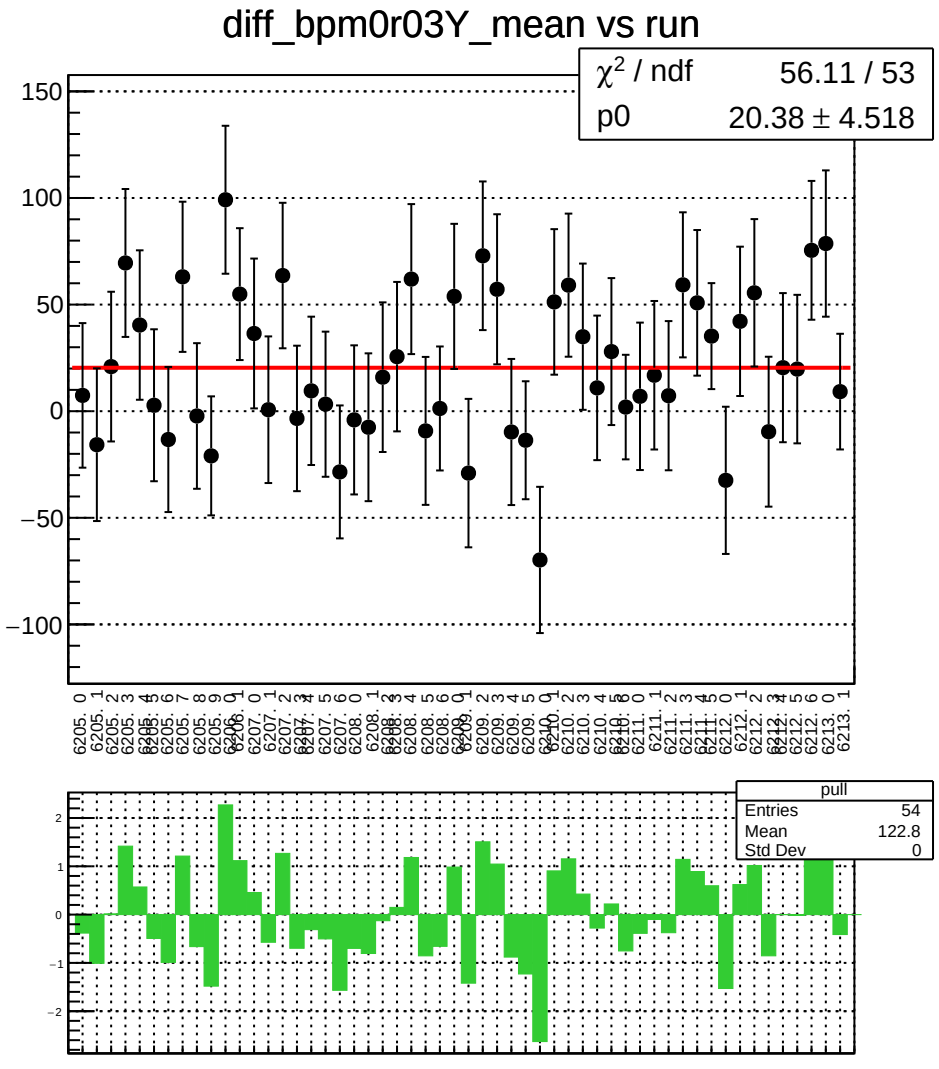

pull1D
Entries 54
Mean 0.008535
Std Dev 1.122

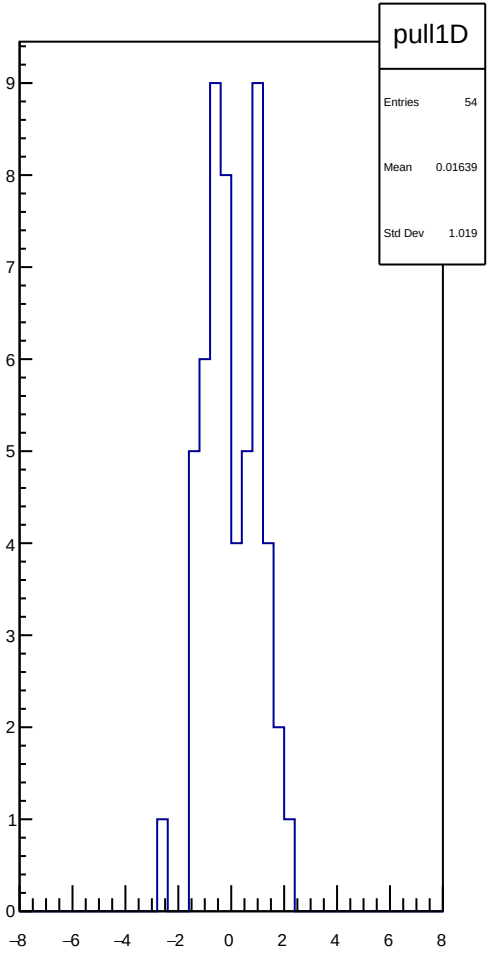

diff_bpm0l10Y_rms vs run
χ² / ndf 118.3 / 53
p0 882.2 ± 0.8571
910
900
890
880
870
860
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

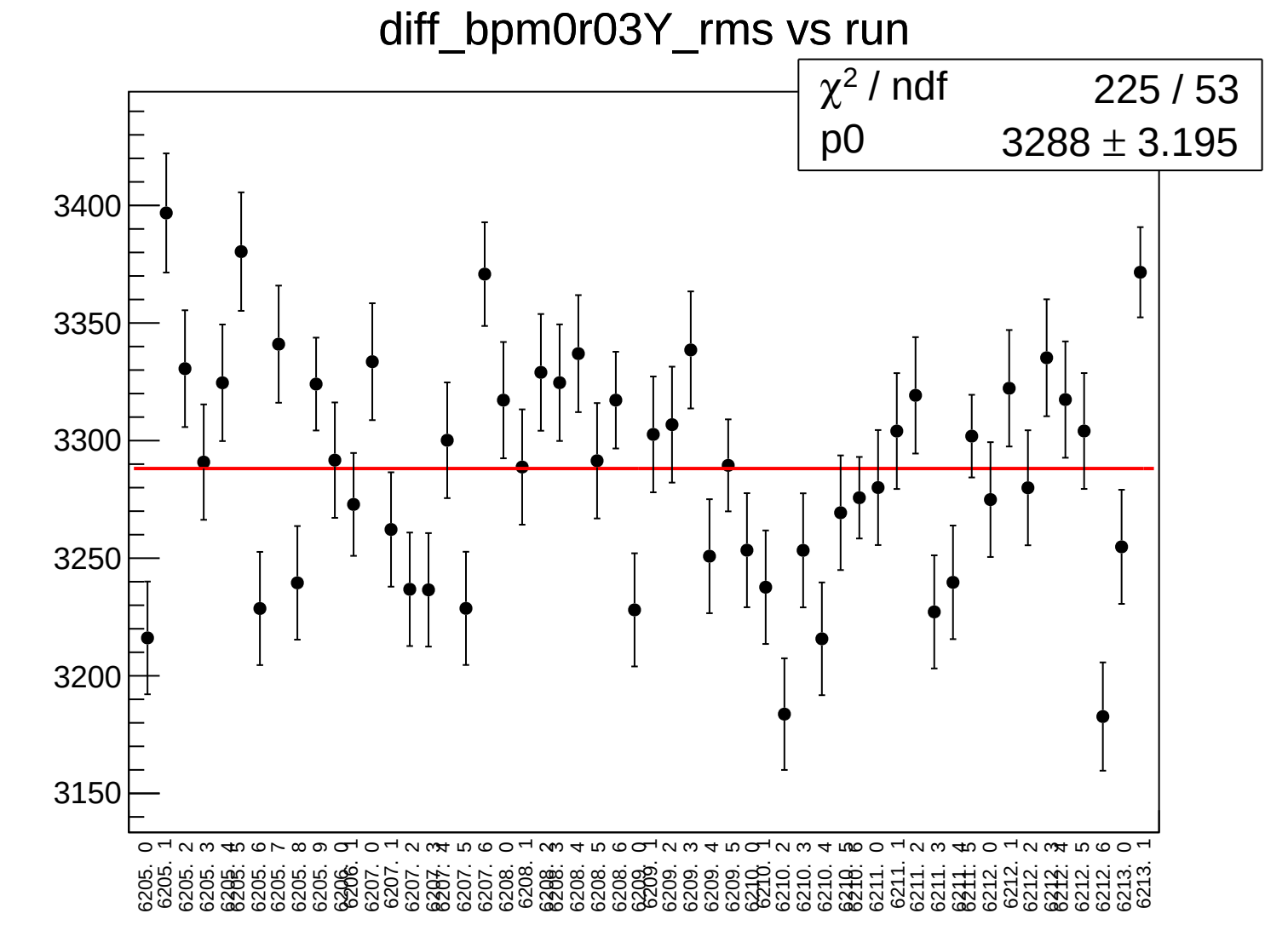

diff_bpm0r03X_mean vs run
χ² / ndf 48.41 / 53
p0 −212.4 ± 114.6
pull
Entries 54
Mean 16.41
Std Dev 14.01

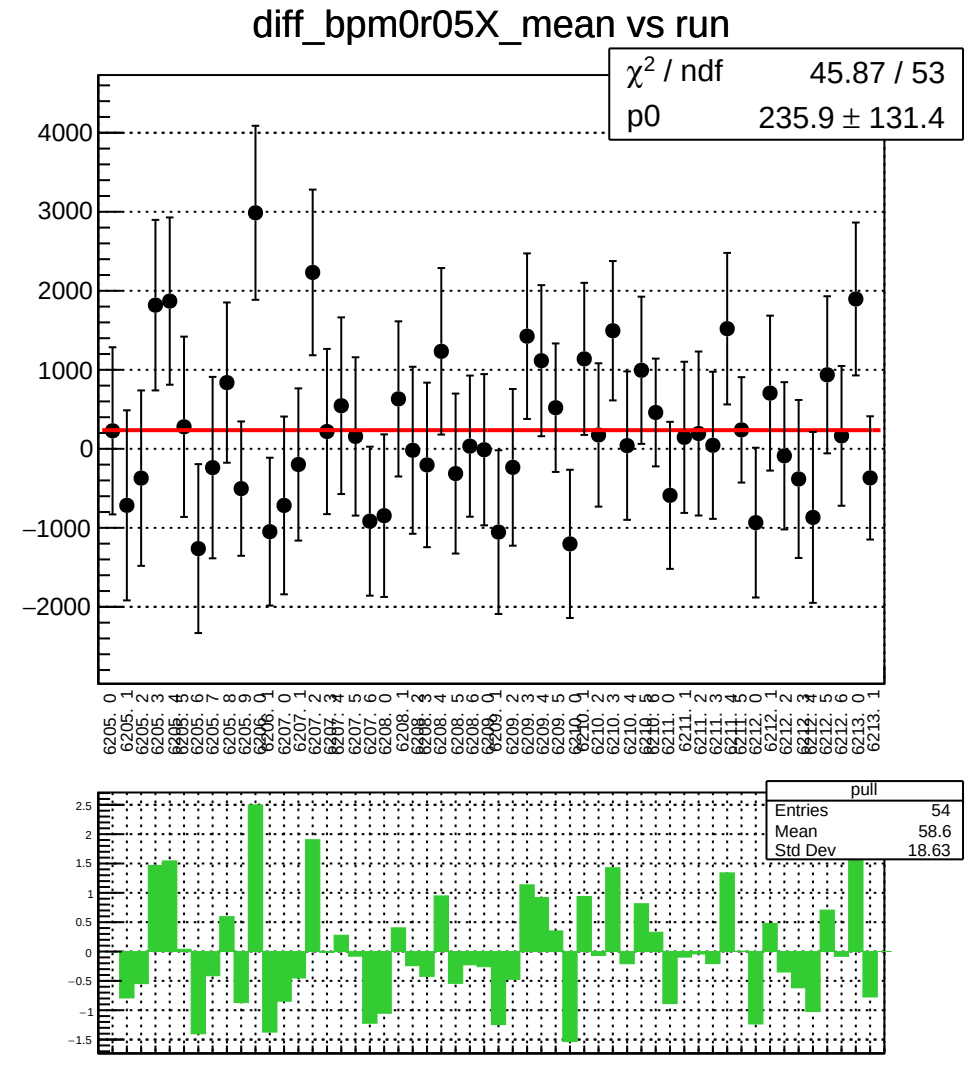

pull1D
Entries 54
Mean −0.009701
Std Dev 0.9468

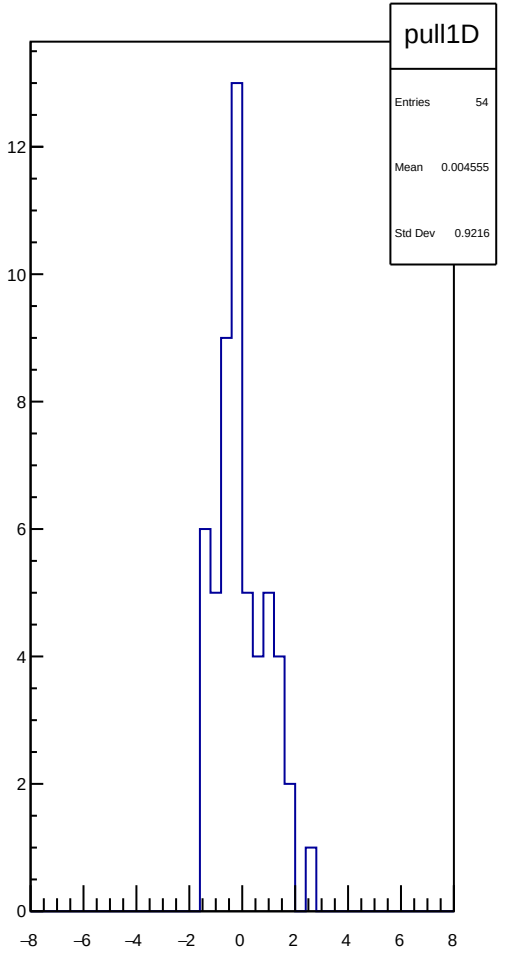

diff_bpm0r03X_rms vs run
×10^3
χ² / ndf 3682 / 53
p0 8.325e+04 ± 81.02
100
95
90
85
80
75

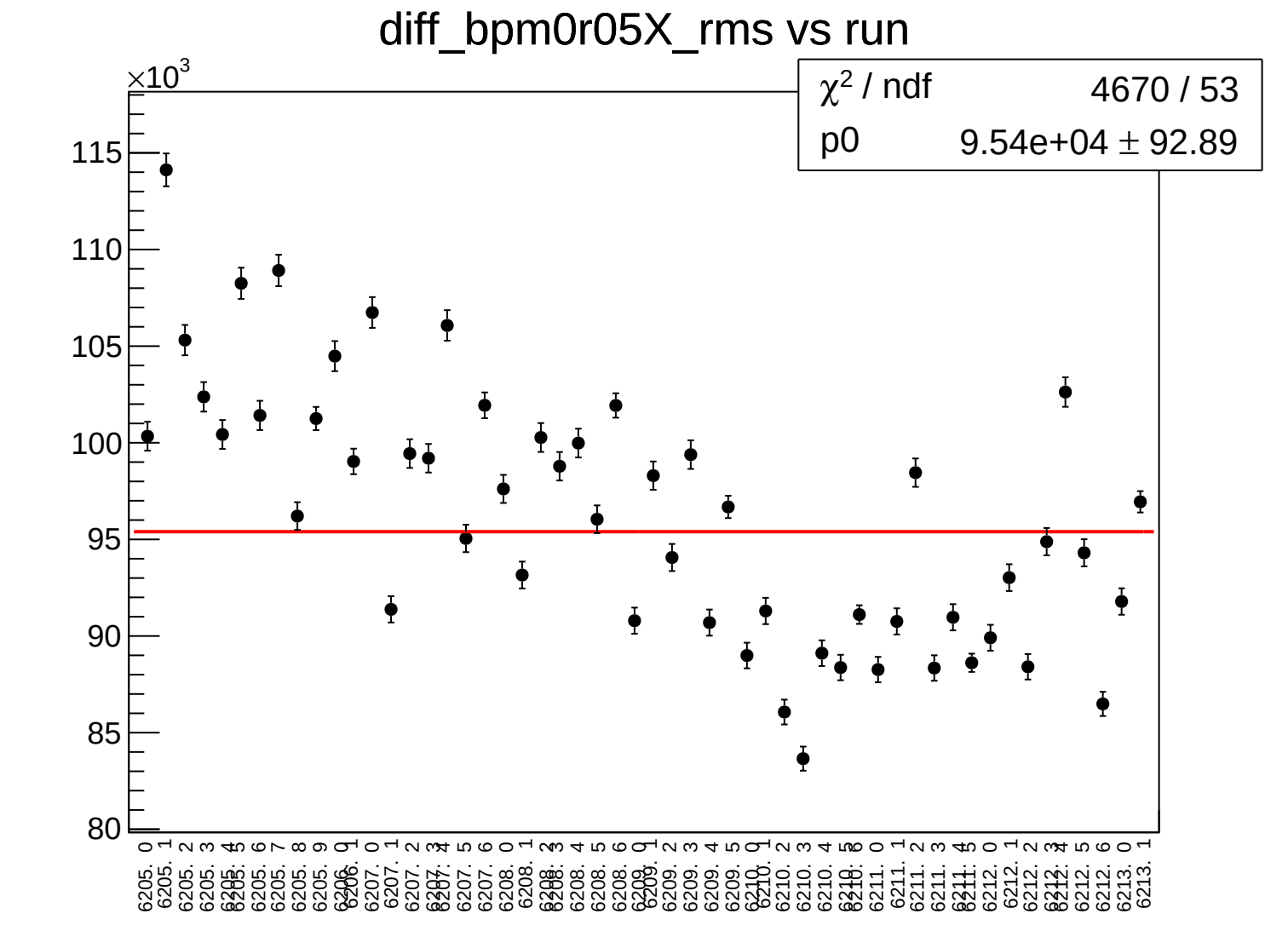

diff_bpm0r03Y_mean vs run
χ² / ndf 56.11 / 53
p0 20.38 ± 4.518
150
100
50
0
−50
−100
pull
Entries 54
Mean 122.8
Std Dev 0
2
1
0
−1
−2

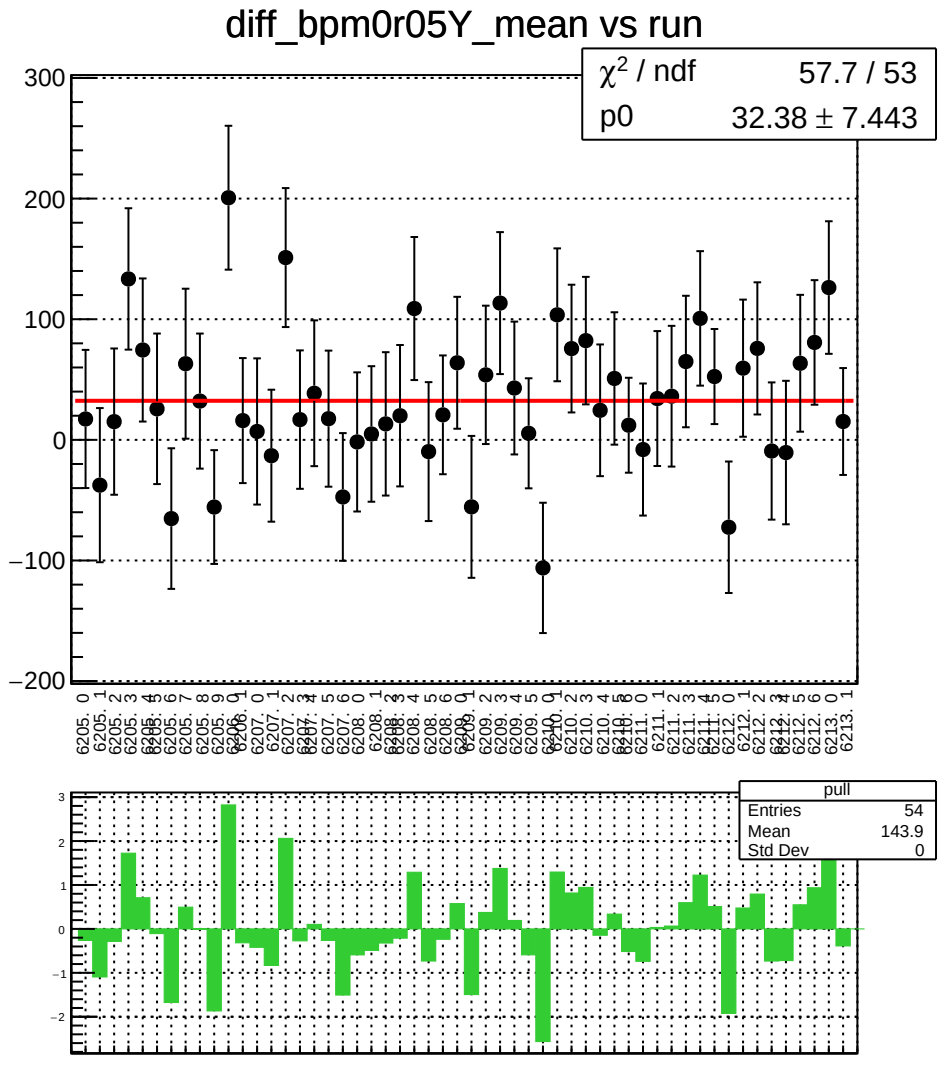

pull1D
Entries 54
Mean 0.01639
Std Dev 1.019
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

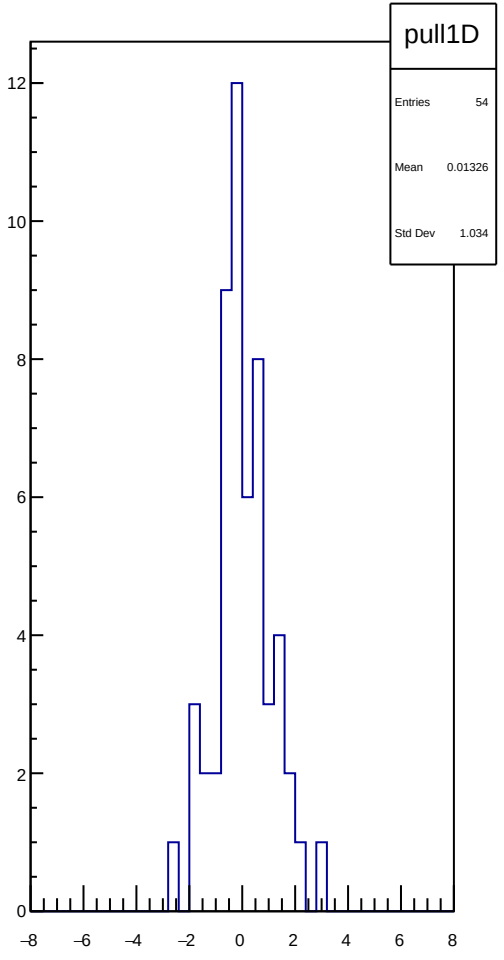

diff_bpm0r03Y_rms vs run
χ² / ndf 225 / 53
p0 3288 ± 3.195
3400
3350
3300
3250
3200
3150
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

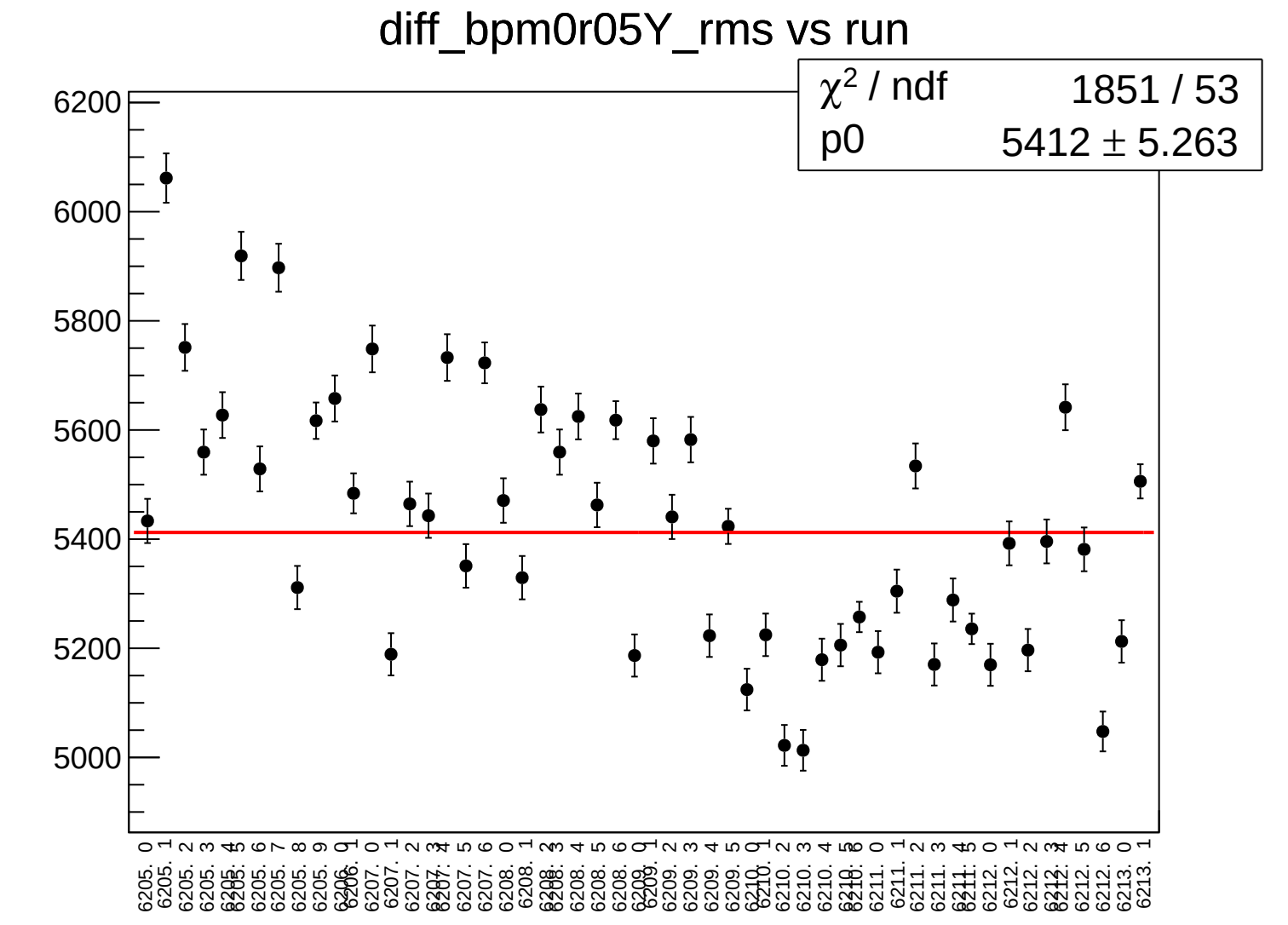

diff_bpm0r05X_mean vs run
χ² / ndf 45.87 / 53
p0 235.9 ± 131.4
pull
Entries 54
Mean 58.6
Std Dev 18.63

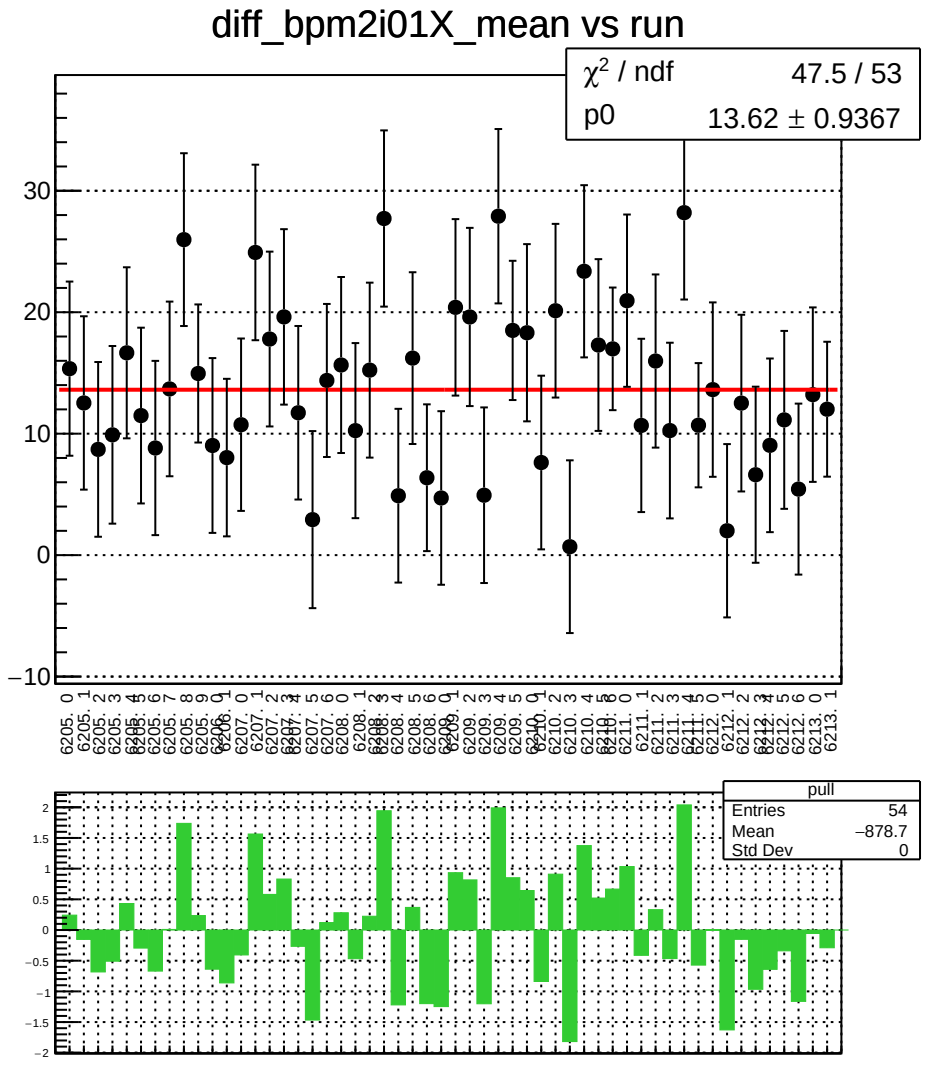

pull1D
Entries 54
Mean 0.004555
Std Dev 0.9216

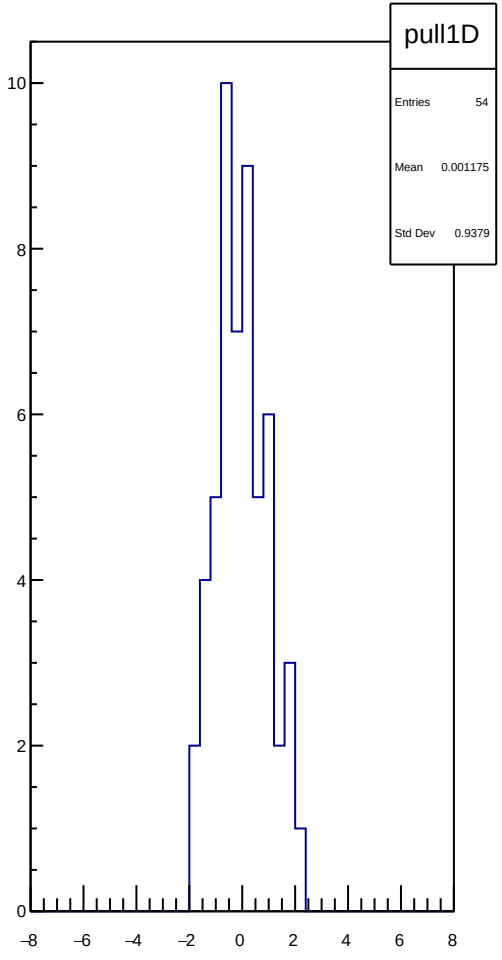

diff_bpm0r05X_rms vs run
×10^3
χ² / ndf 4670 / 53
p0 9.54e+04 ± 92.89
115
110
105
100
95
90
85
80
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

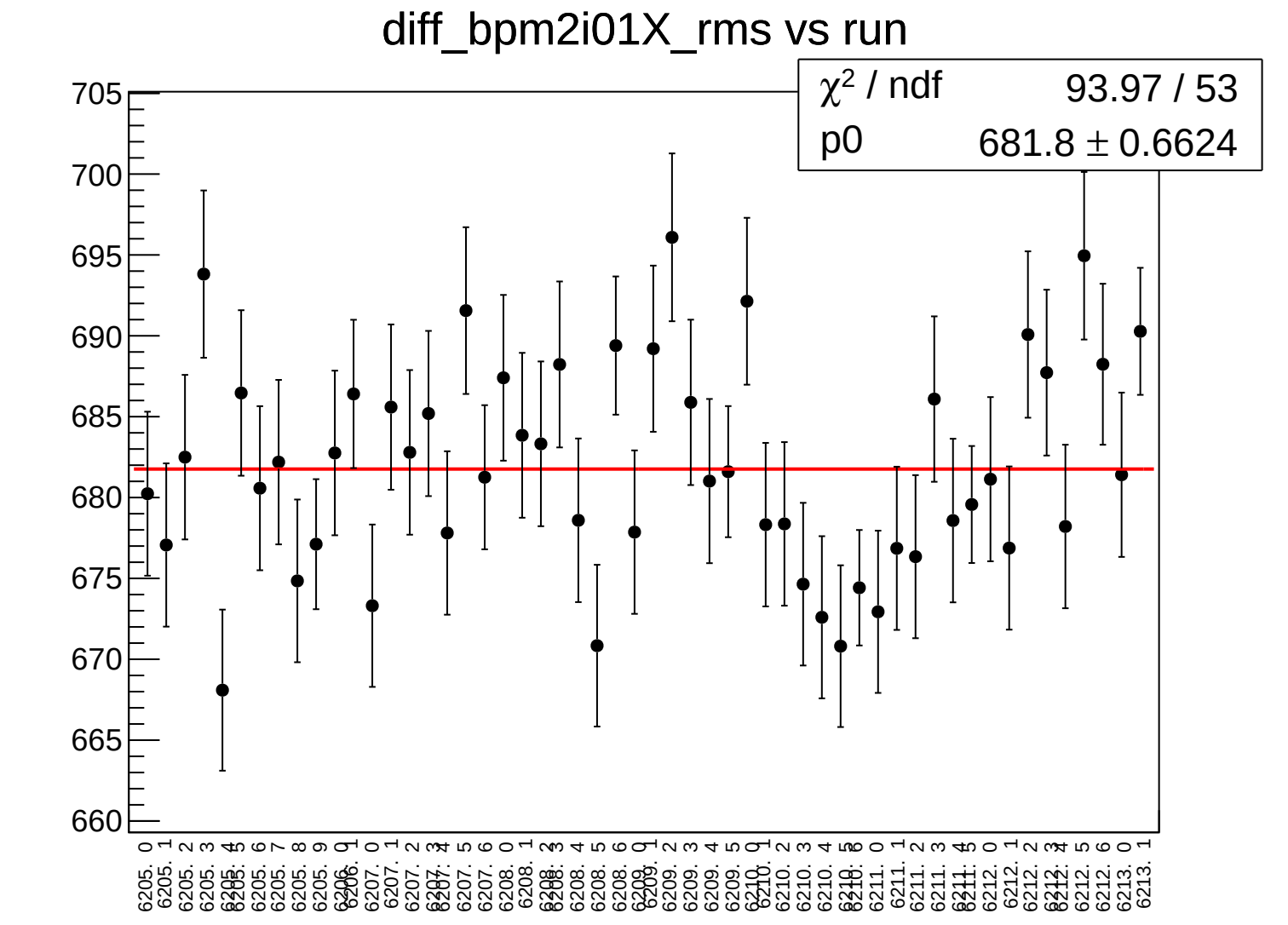

diff_bpm0r05Y_mean vs run
χ² / ndf 57.7 / 53
p0 32.38 ± 7.443
pull
Entries 54
Mean 143.9
Std Dev 0

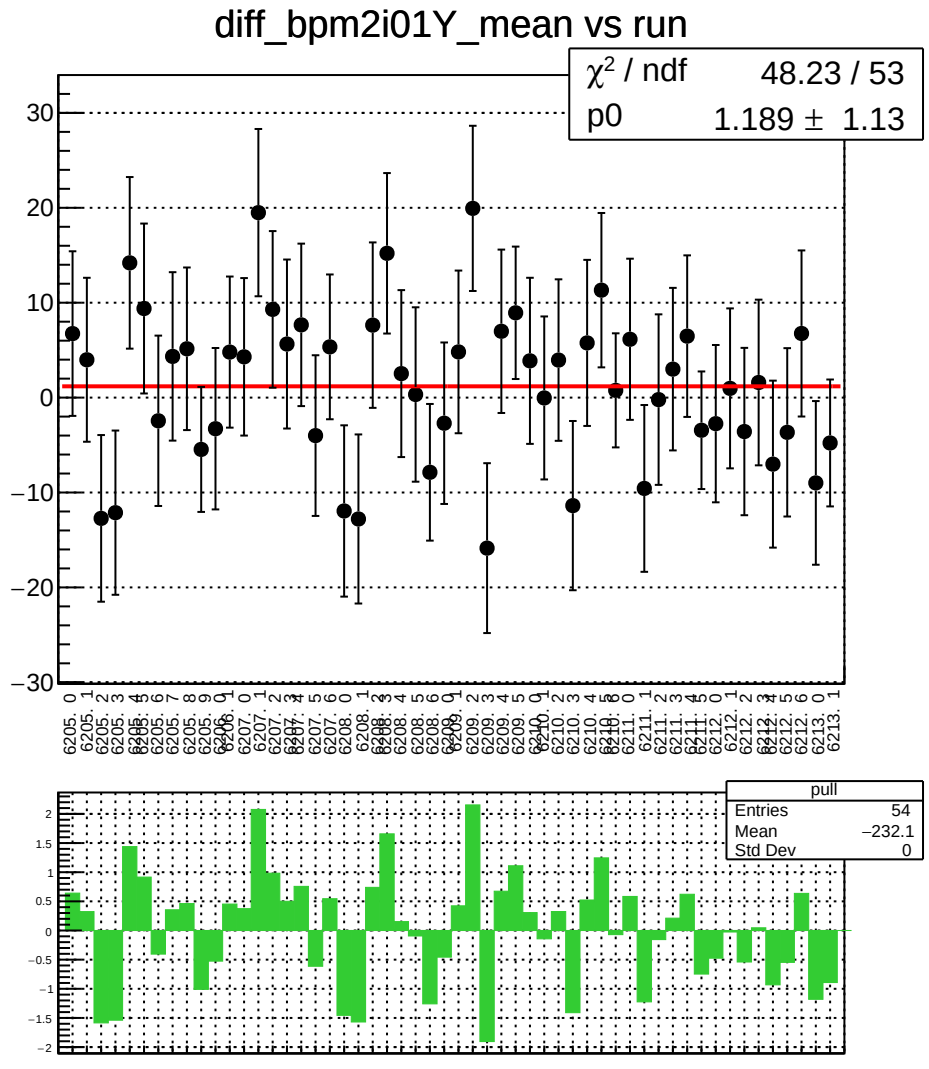

pull1D
Entries 54
Mean 0.01326
Std Dev 1.034

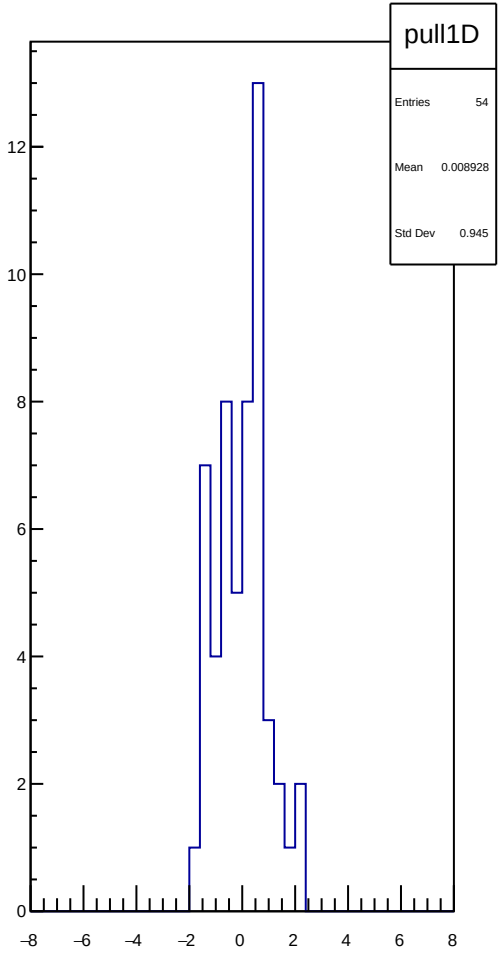

diff_bpm0r05Y_rms vs run
χ² / ndf 1851 / 53
p0 5412 ± 5.263
6200
6000
5800
5600
5400
5200
5000

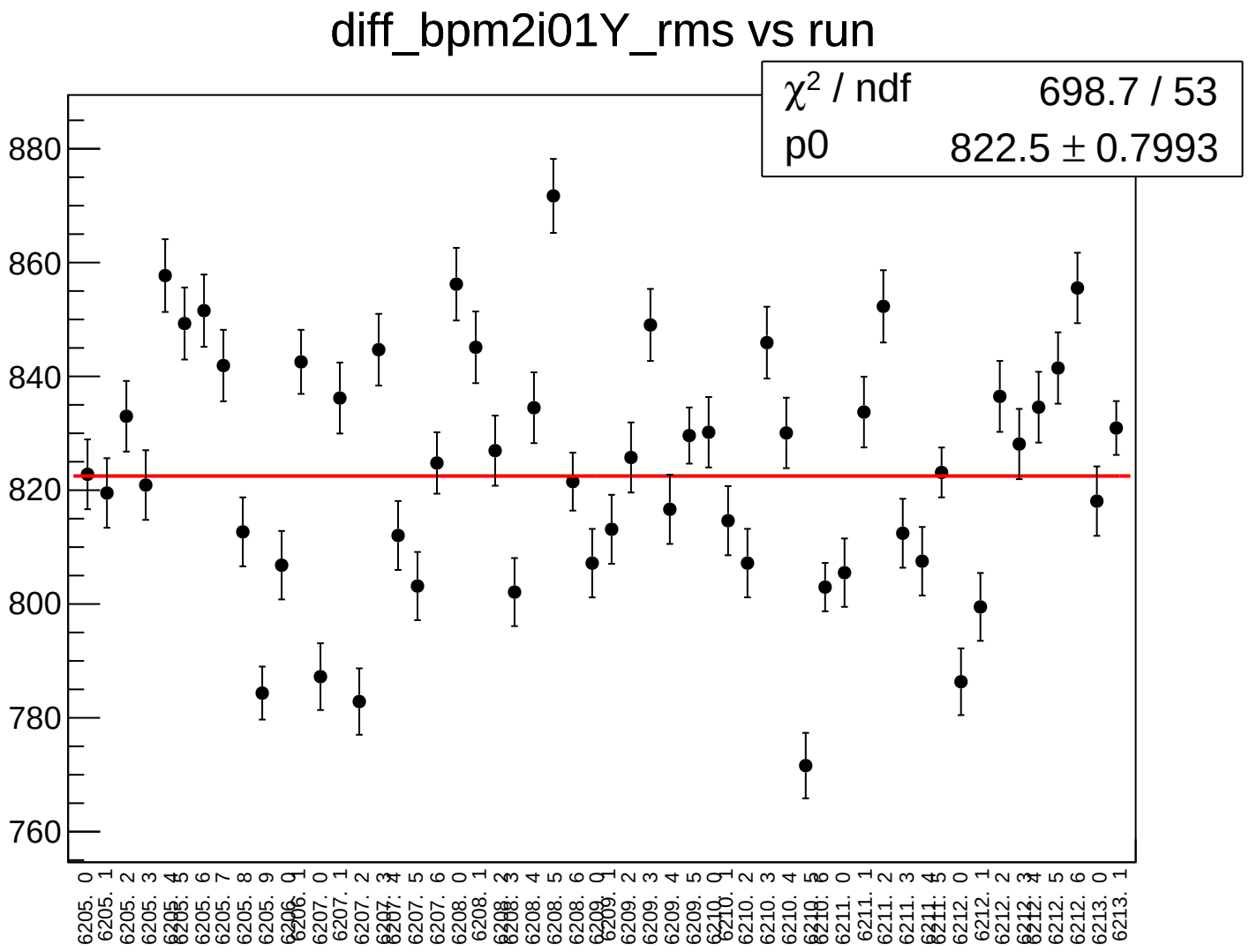

diff_bpm2i01X_mean vs run
χ² / ndf 47.5 / 53
p0 13.62 ± 0.9367
pull
Entries 54
Mean −878.7
Std Dev 0

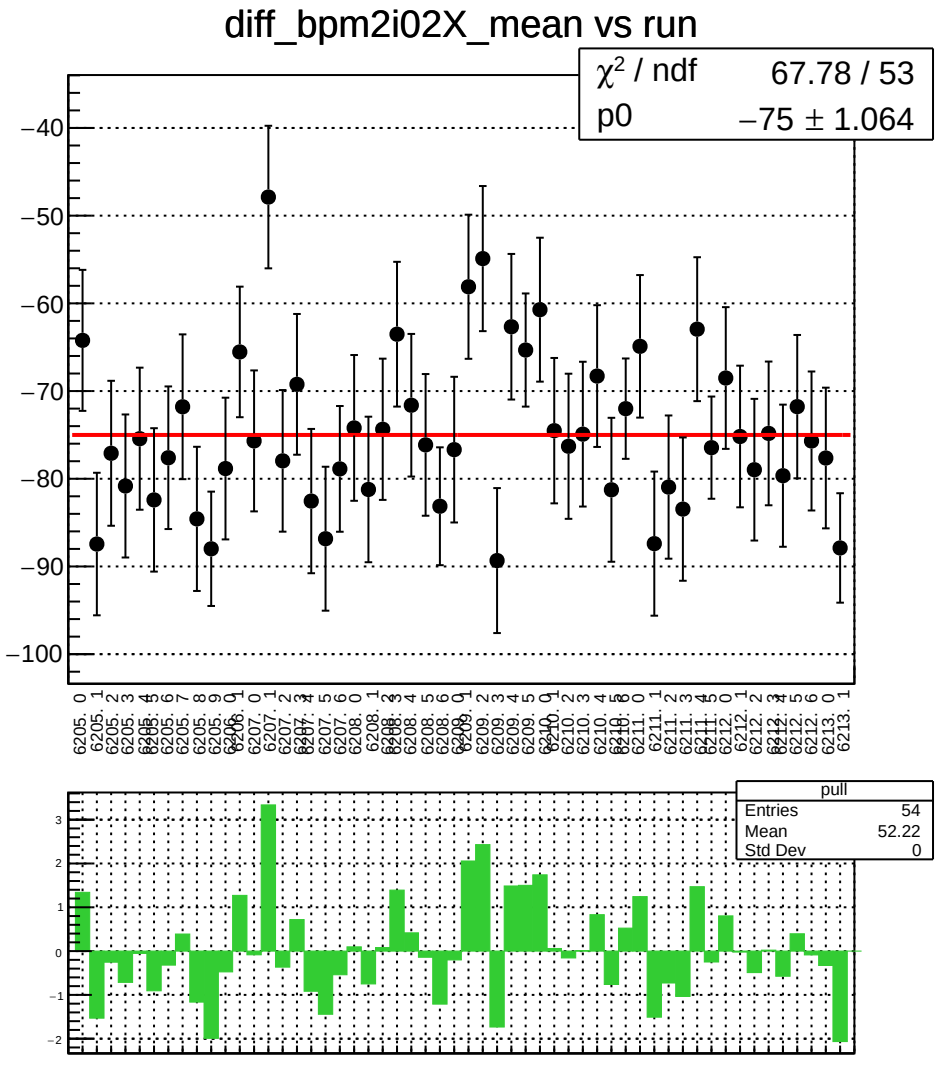

pull1D
Entries 54
Mean 0.001175
Std Dev 0.9379

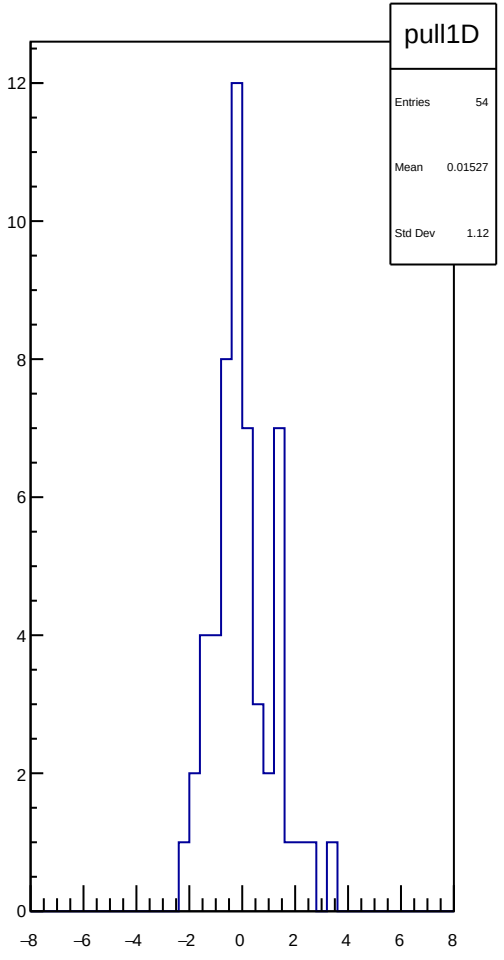

diff_bpm2i01X_rms vs run
χ² / ndf 93.97 / 53
p0 681.8 ± 0.6624
705
700
695
690
685
680
675
670
665
660
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

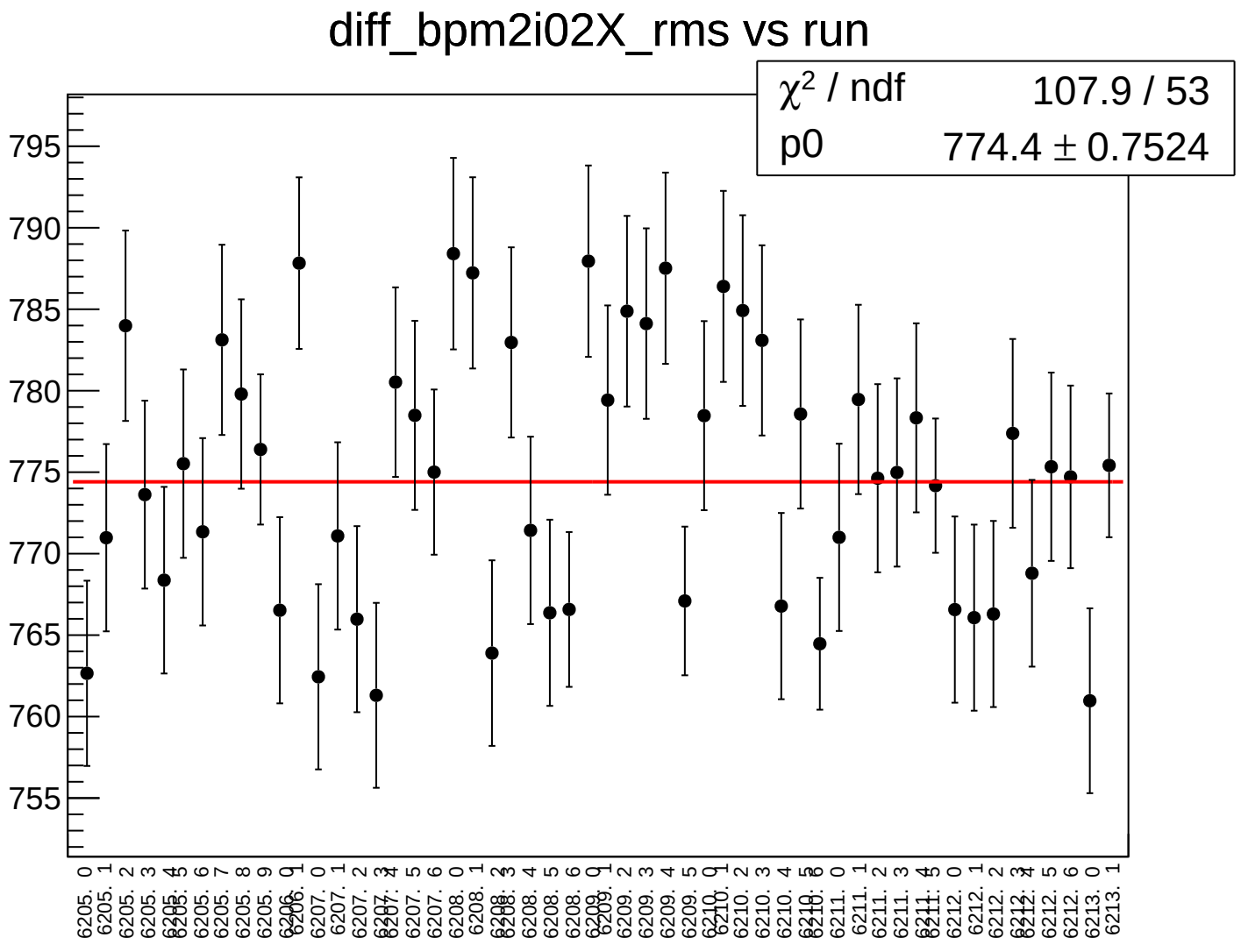

diff_bpm2i01Y_mean vs run
χ² / ndf 48.23 / 53
p0 1.189 ± 1.13
pull
Entries 54
Mean −232.1
Std Dev 0

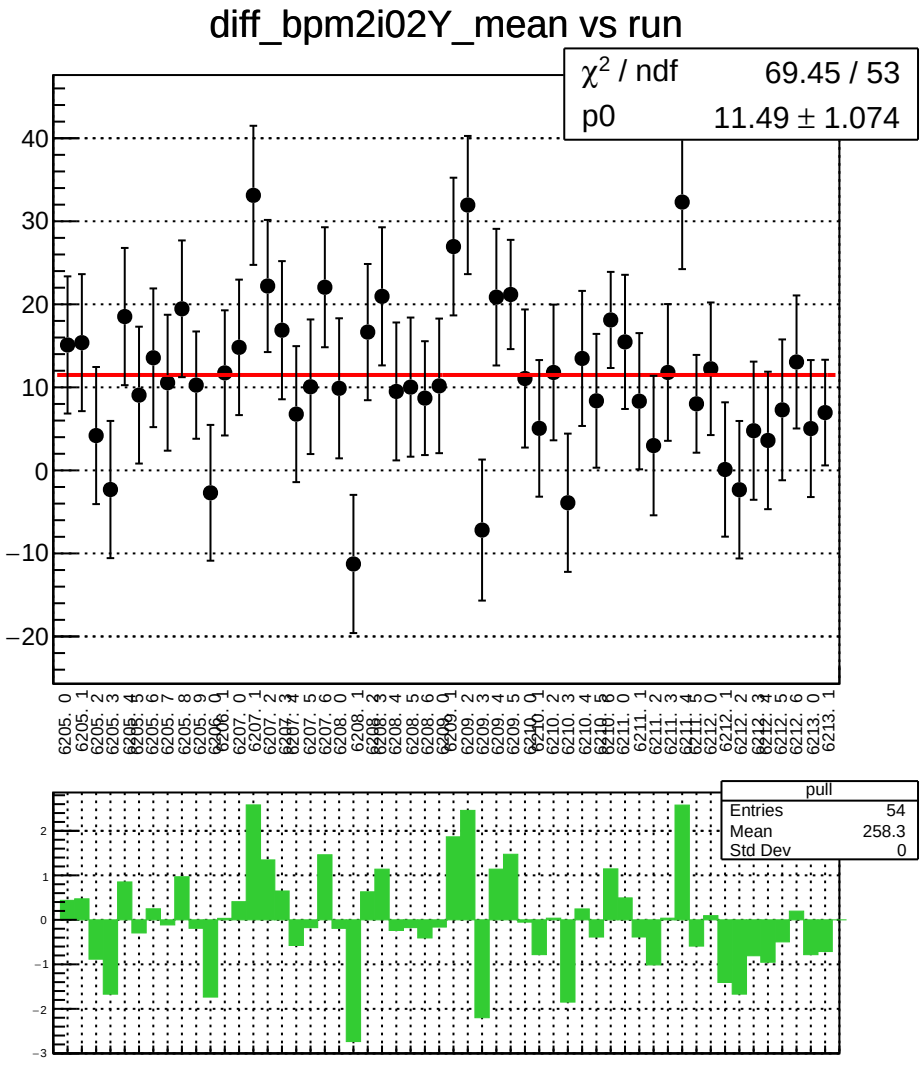

pull1D
Entries 54
Mean 0.008928
Std Dev 0.945

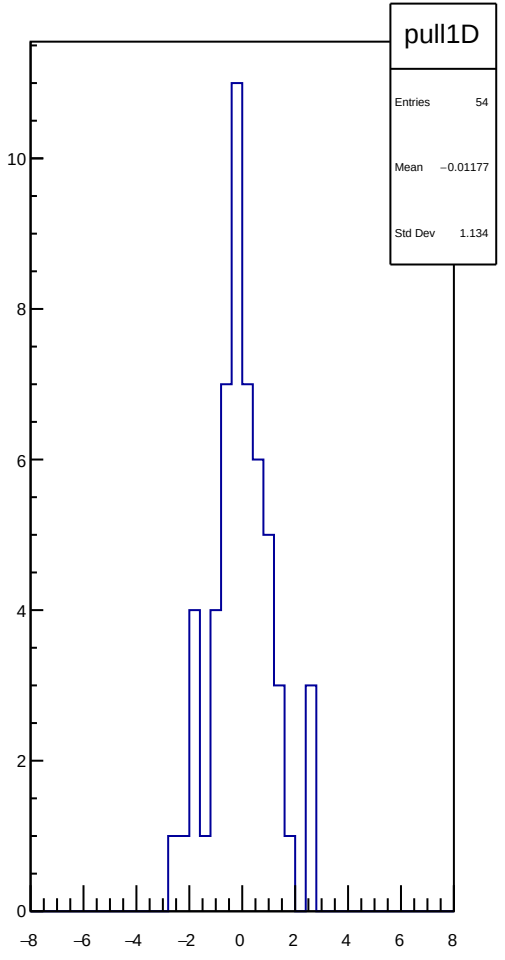

diff_bpm2i01Y_rms vs run
χ² / ndf 698.7 / 53
p0 822.5 ± 0.7993
880
860
840
820
800
780
760
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

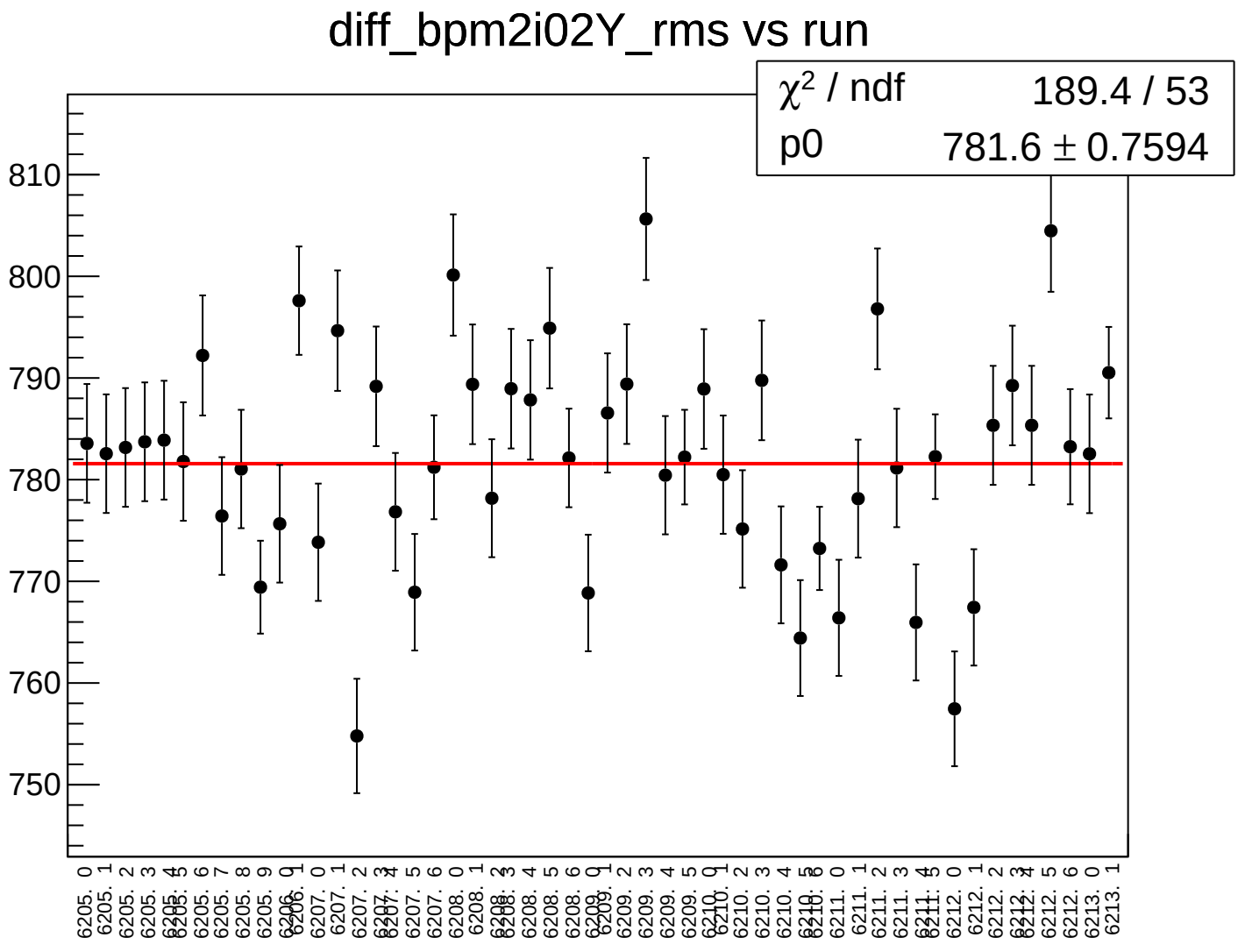

diff_bpm2i02X_mean vs run
χ² / ndf 67.78 / 53
p0 −75 ± 1.064
pull
Entries 54
Mean 52.22
Std Dev 0

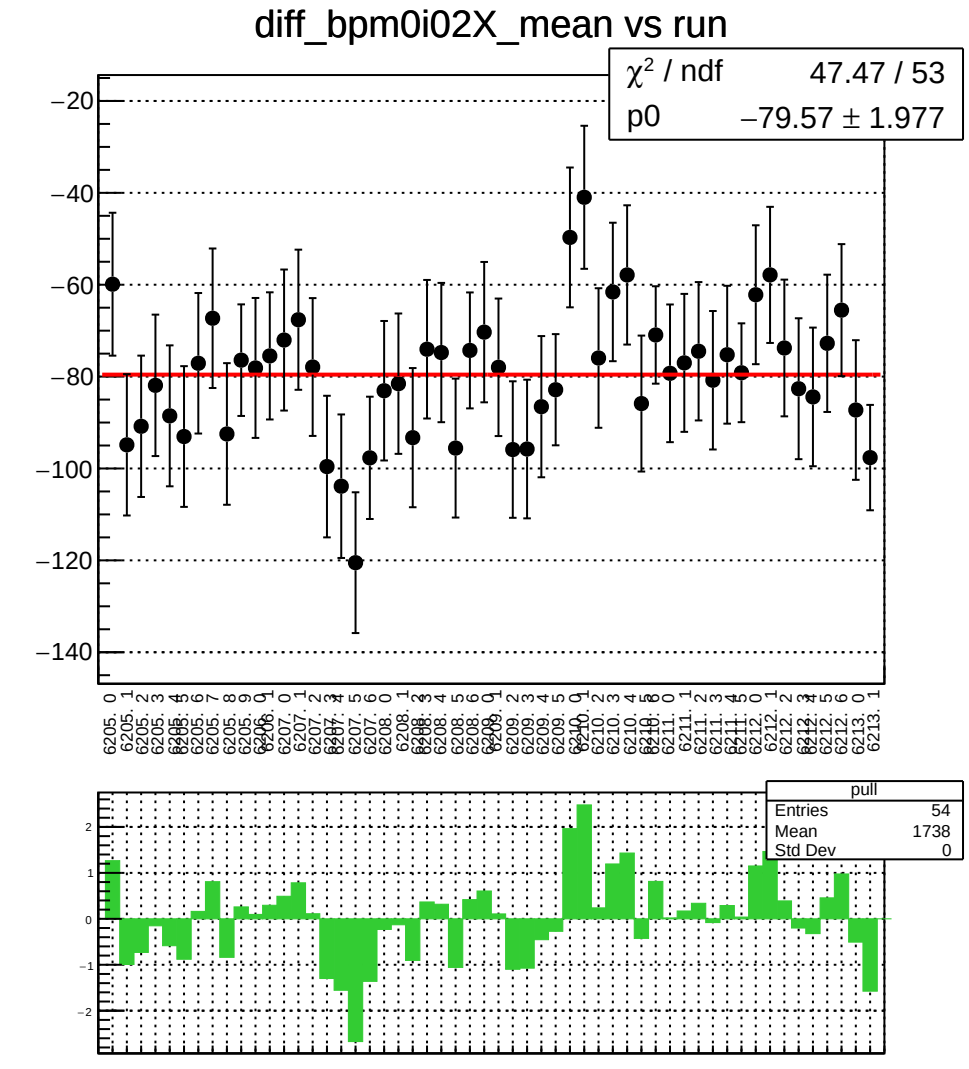

pull1D
Entries 54
Mean 0.01527
Std Dev 1.12

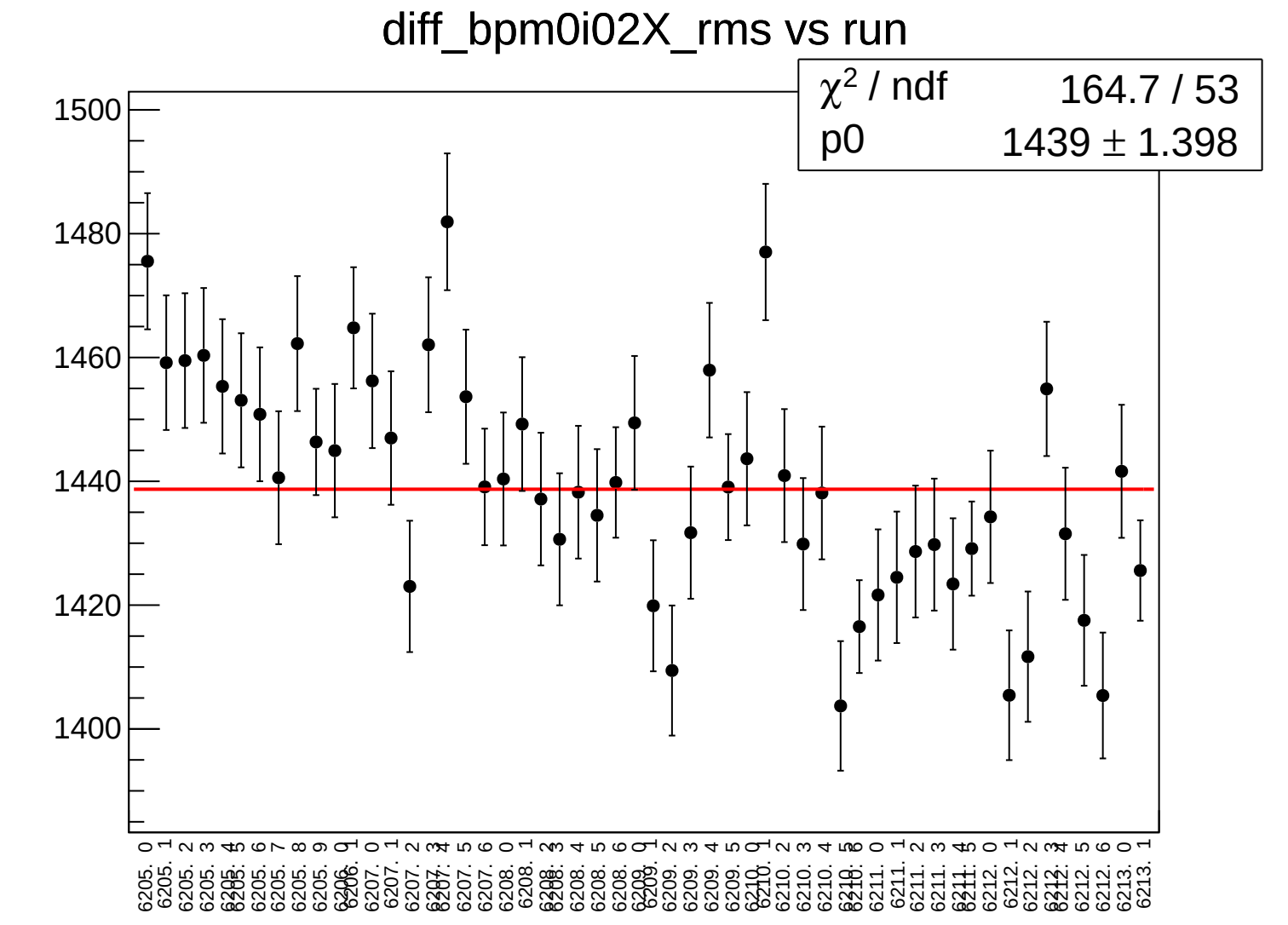

diff_bpm2i02X_rms vs run
χ² / ndf 107.9 / 53
p0 774.4 ± 0.7524
795
790
785
780
775
770
765
760
755
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

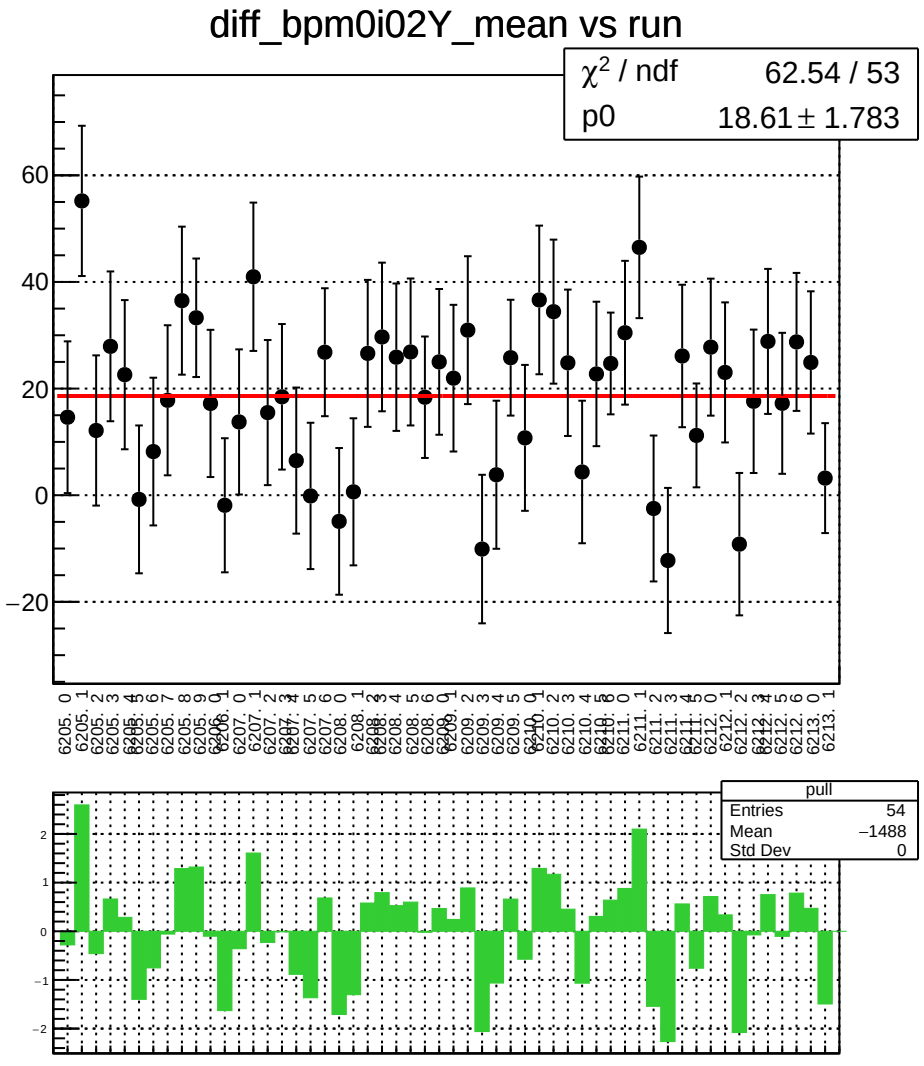

diff_bpm2i02Y_mean vs run
χ^2 / ndf 69.45 / 53
p0 11.49 ± 1.074
pull
Entries 54
Mean 258.3
Std Dev 0

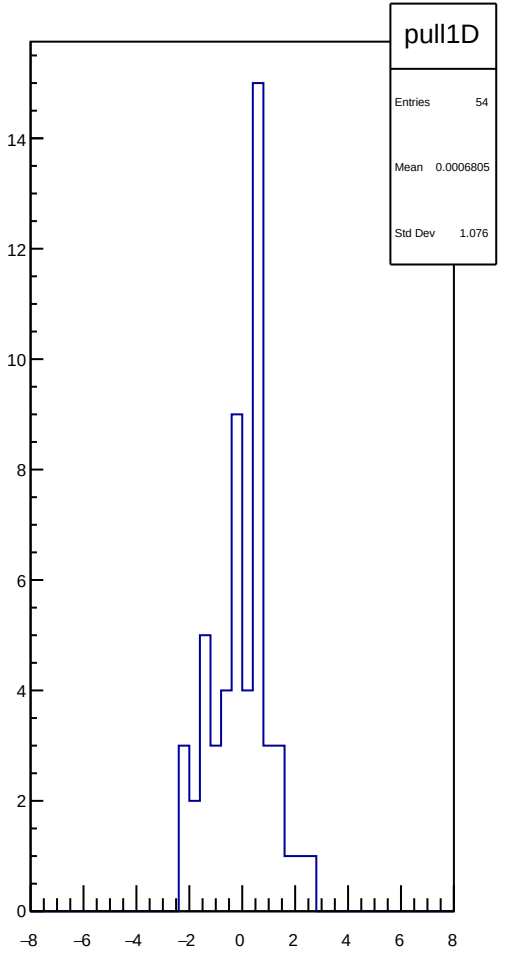

pull1D
Entries 54
Mean −0.01177
Std Dev 1.134

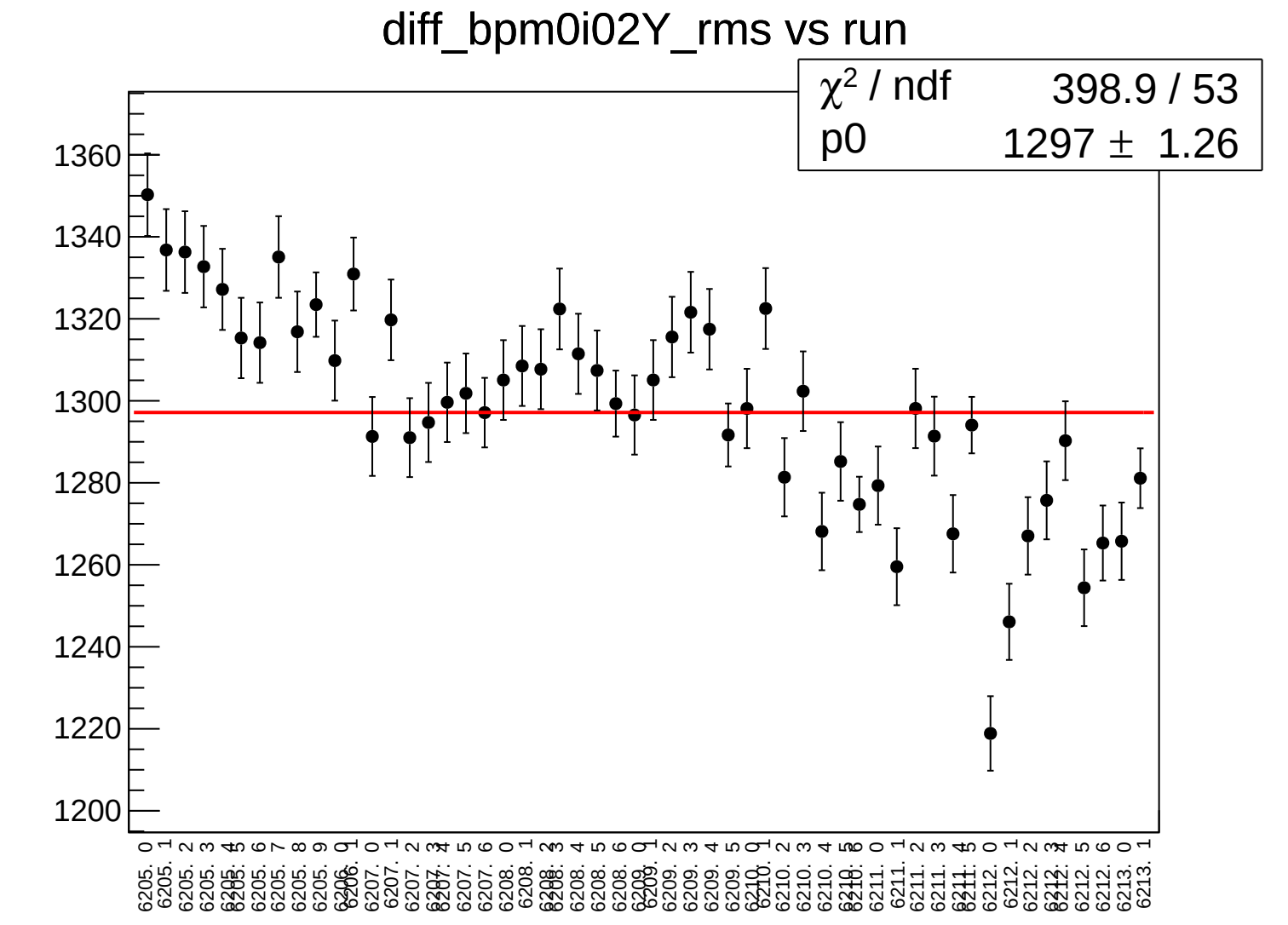

diff_bpm2i02Y_rms vs run
χ² / ndf 189.4 / 53
p0 781.6 ± 0.7594
810
800
790
780
770
760
750
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

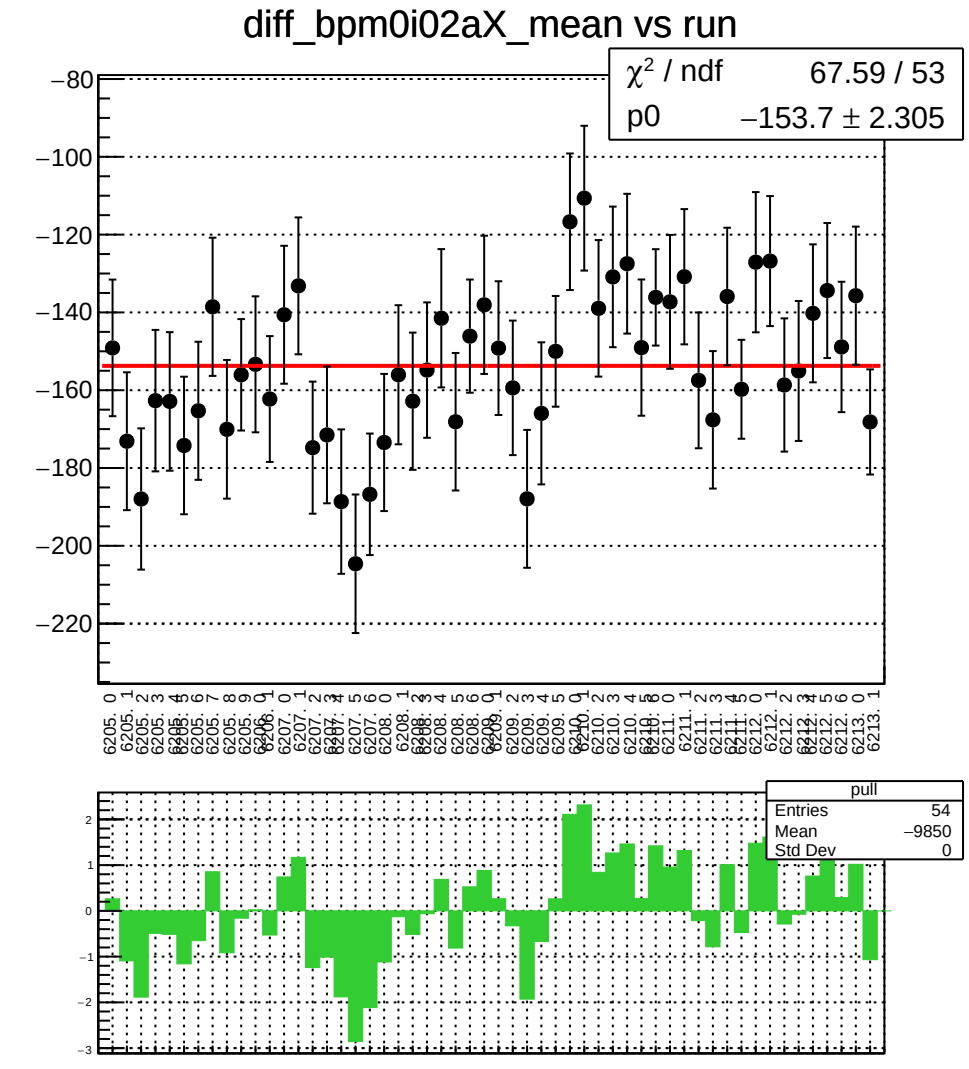

diff_bpm0i02X_mean vs run
χ² / ndf 47.47 / 53
p0 −79.57 ± 1.977
pull
Entries 54
Mean 1738
Std Dev 0
pull1D
Entries 54
Mean 0.001892
Std Dev 0.9376

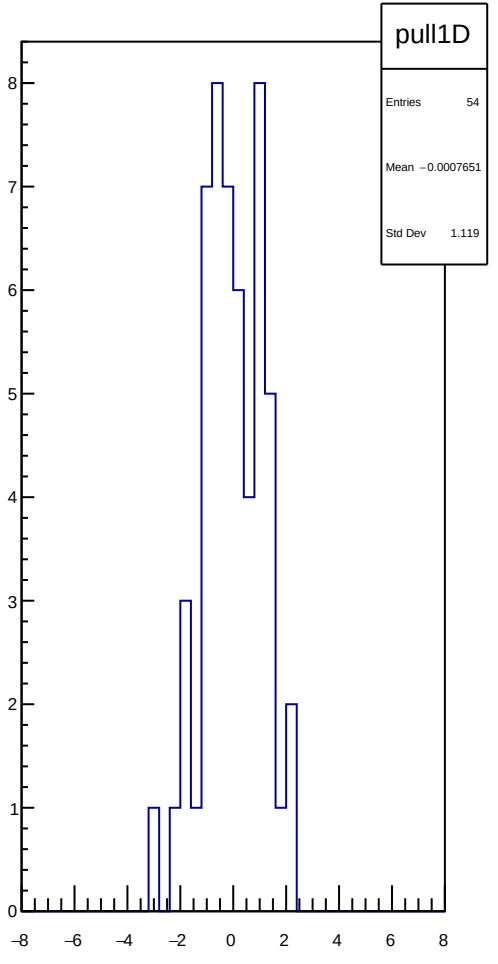

diff_bpm0i02X_rms vs run
χ² / ndf 164.7 / 53
p0 1439 ± 1.398
1500
1480
1460
1440
1420
1400
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

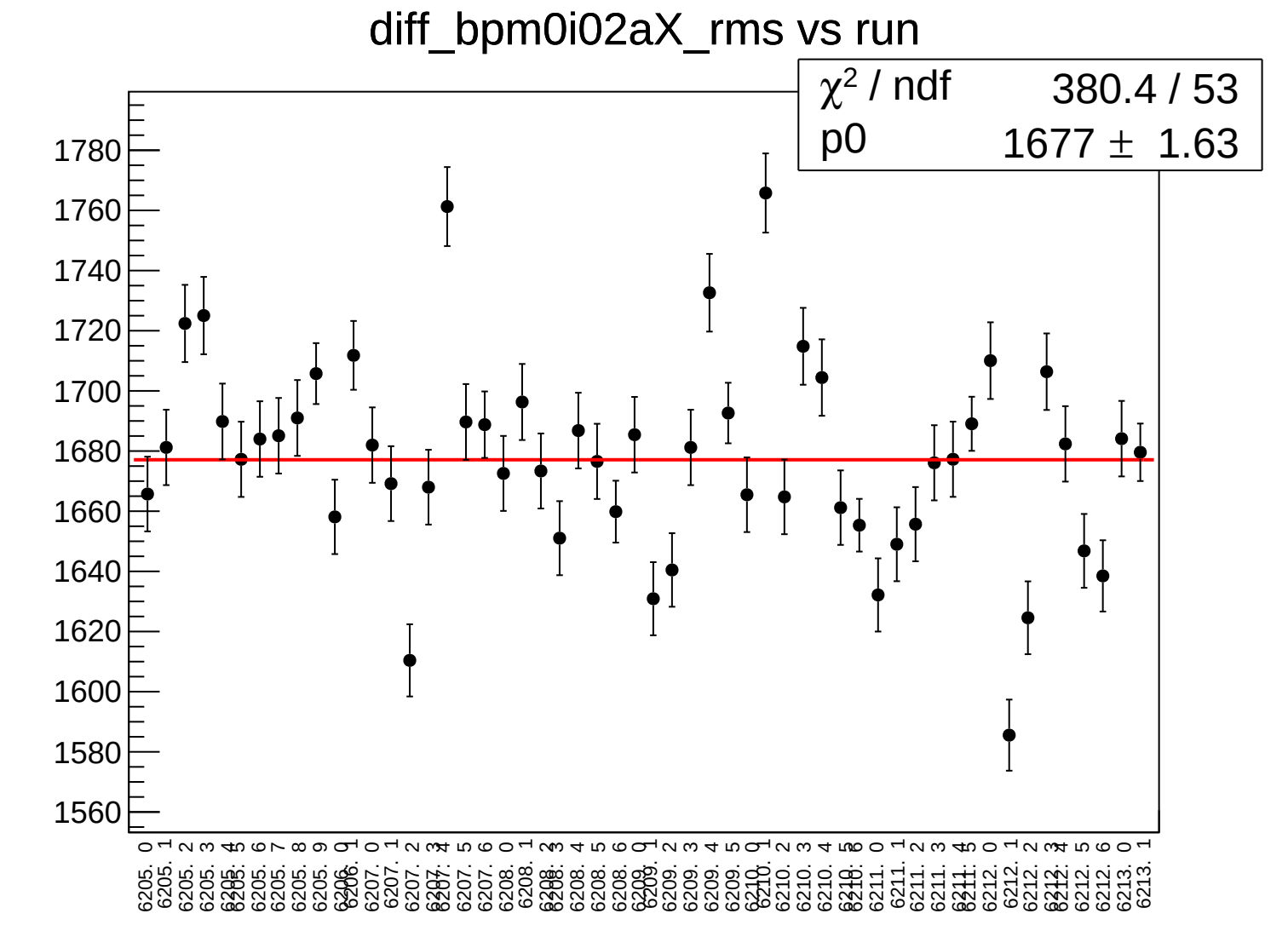

diff_bpm0i02Y_mean vs run
χ² / ndf 62.54 / 53
p0 18.61 ± 1.783
pull
Entries 54
Mean −1488
Std Dev 0

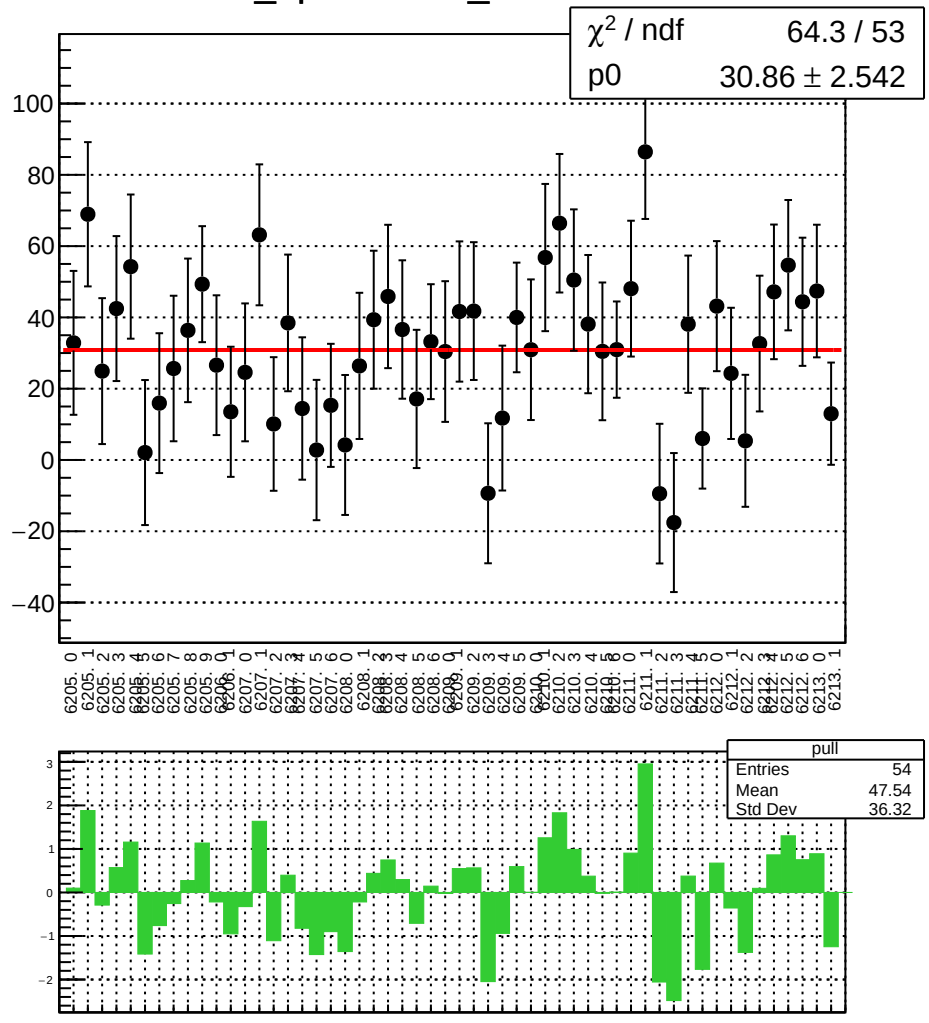

pull1D
Entries 54
Mean 0.0006805
Std Dev 1.076

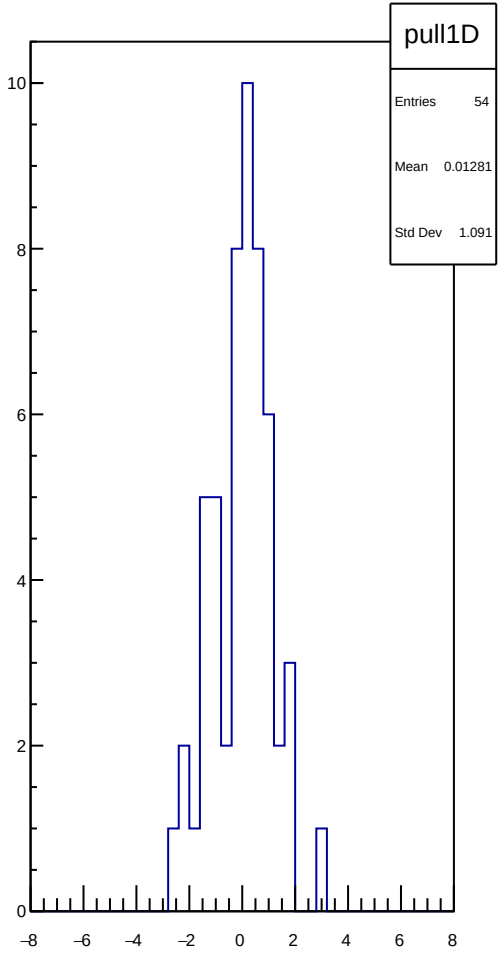

diff_bpm0i02Y_rms vs run
χ² / ndf 398.9 / 53
p0 1297 ± 1.26
1360
1340
1320
1300
1280
1260
1240
1220
1200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

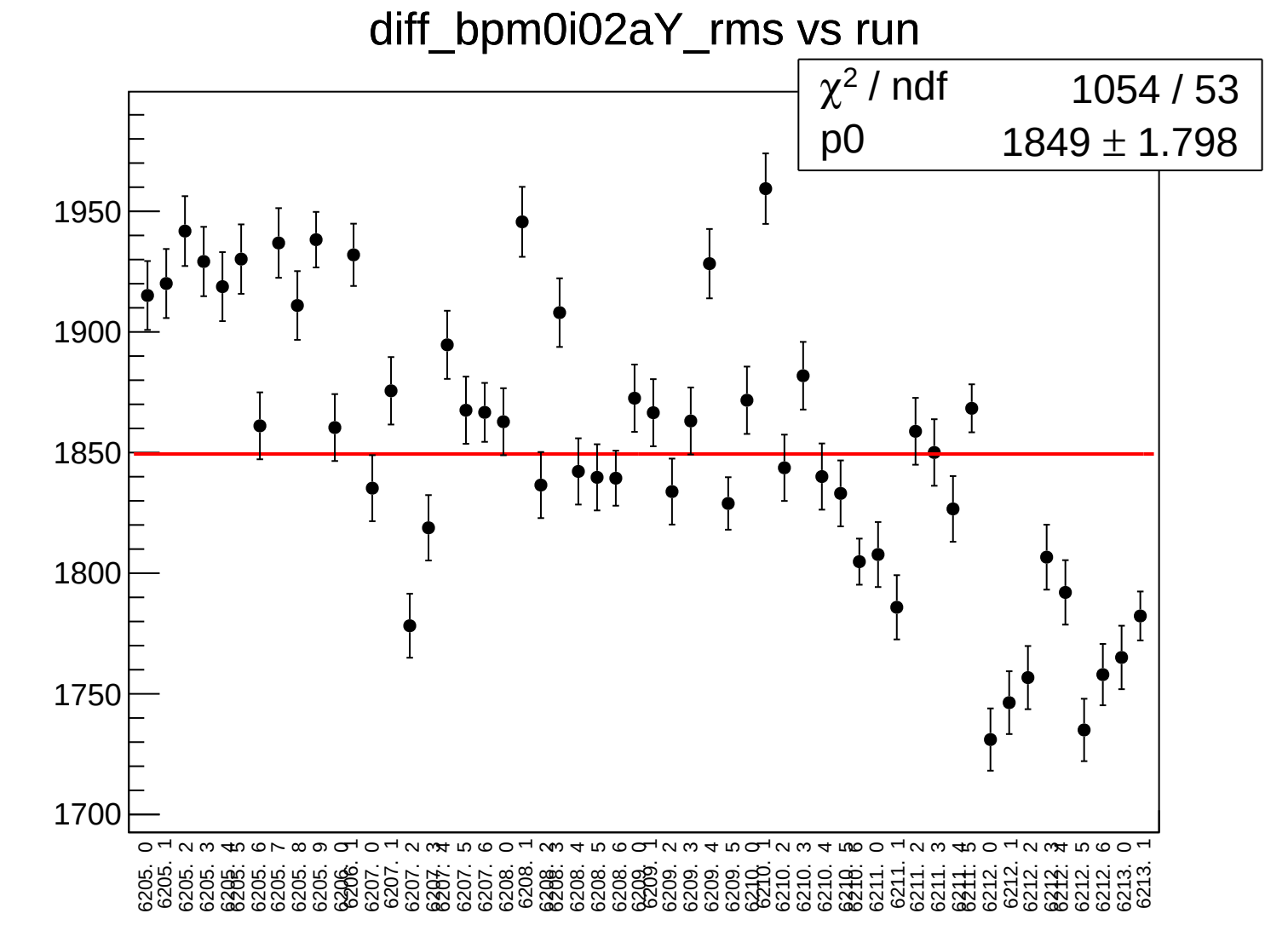

diff_bpm0i02aX_mean vs run
χ² / ndf 67.59 / 53
p0 −153.7 ± 2.305
pull
Entries 54
Mean −9850
Std Dev 0

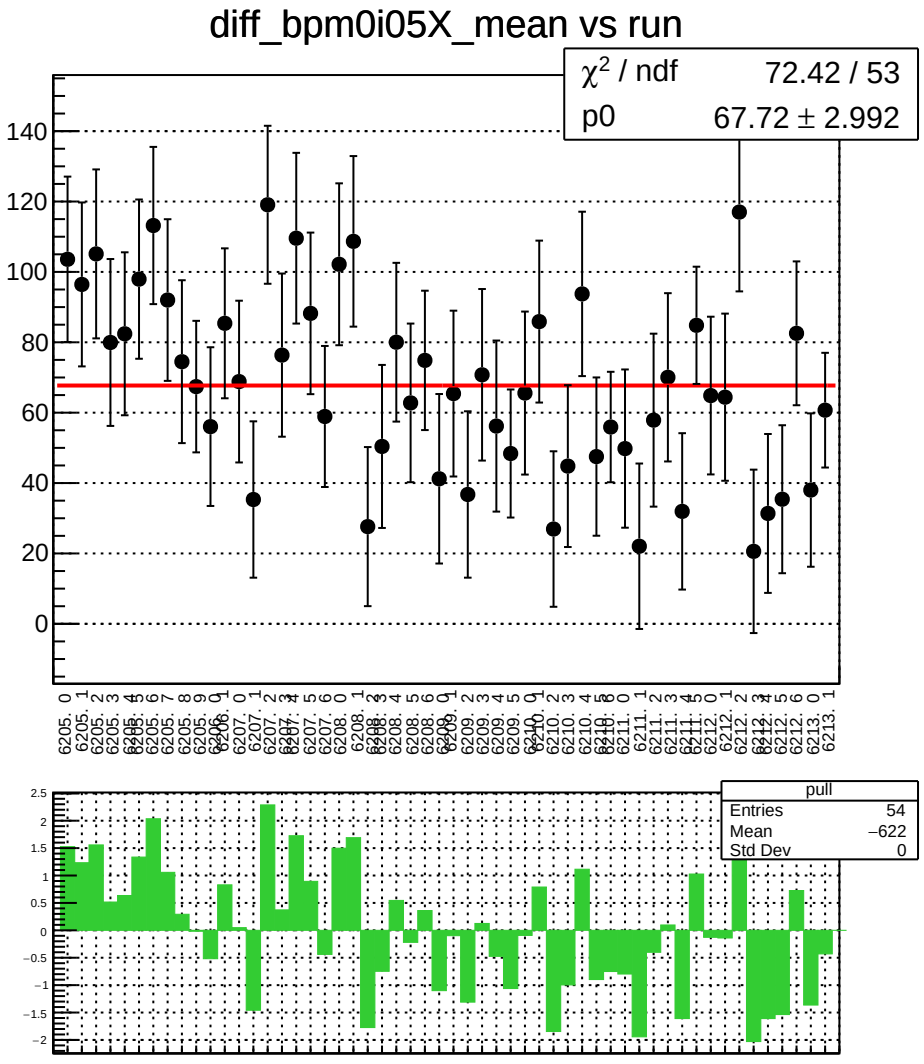

pull1D
Entries 54
Mean −0.0007651
Std Dev 1.119

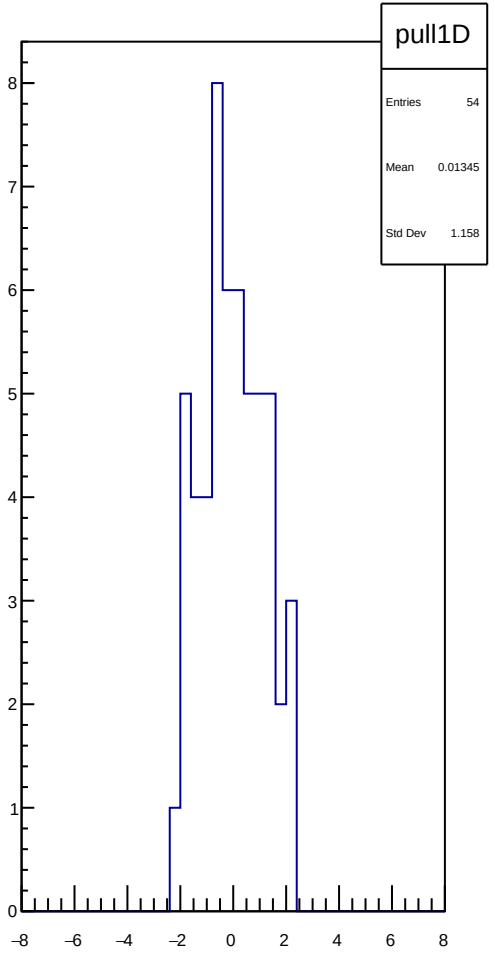

diff_bpm0i02aX_rms vs run
χ² / ndf 380.4 / 53
p0 1677 ± 1.63
1780
1760
1740
1720
1700
1680
1660
1640
1620
1600
1580
1560
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 1
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

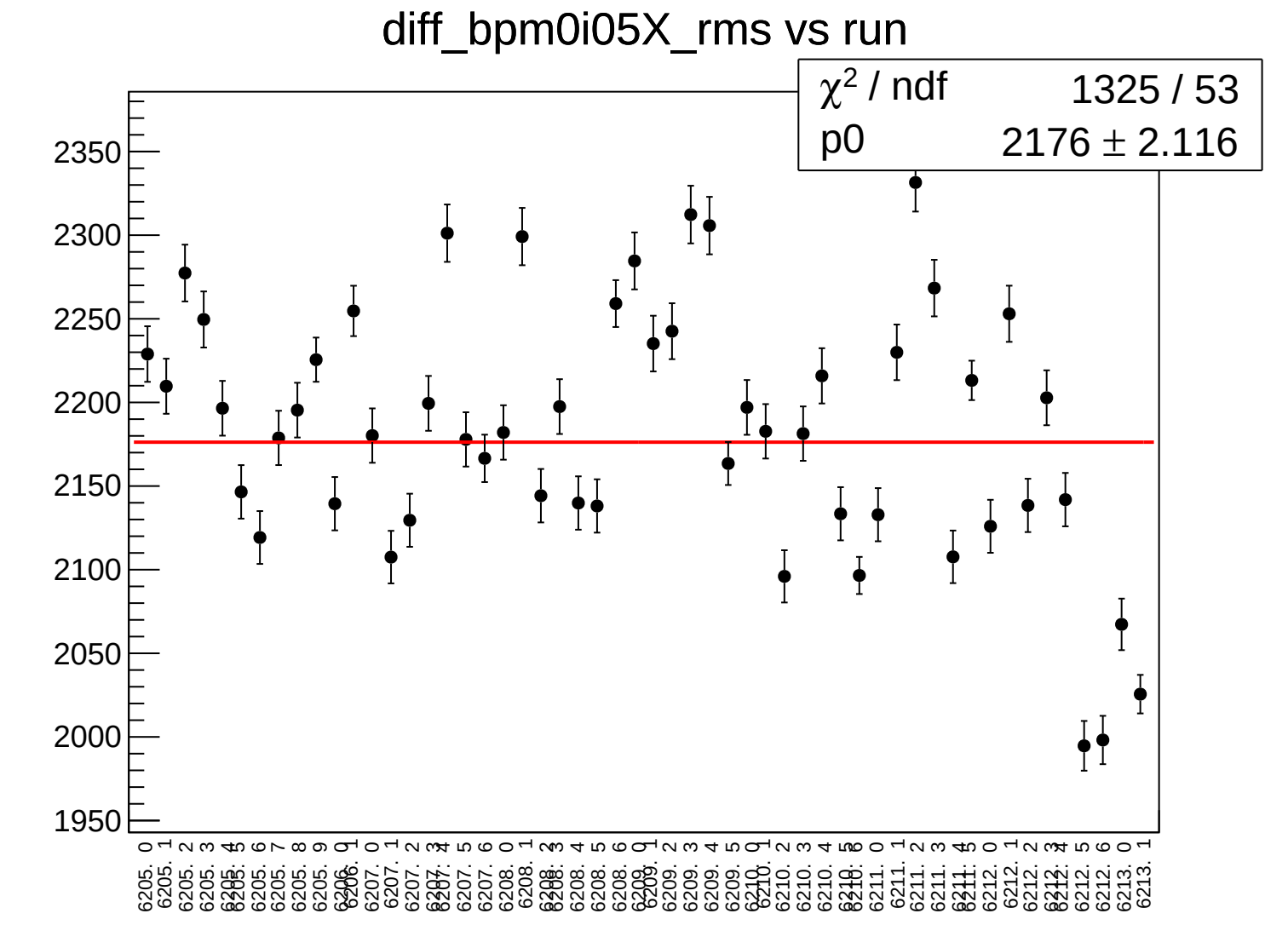

diff_bpm0i02aY_mean vs run
χ² / ndf 64.3 / 53
p0 30.86 ± 2.542
pull
Entries 54
Mean 47.54
Std Dev 36.32

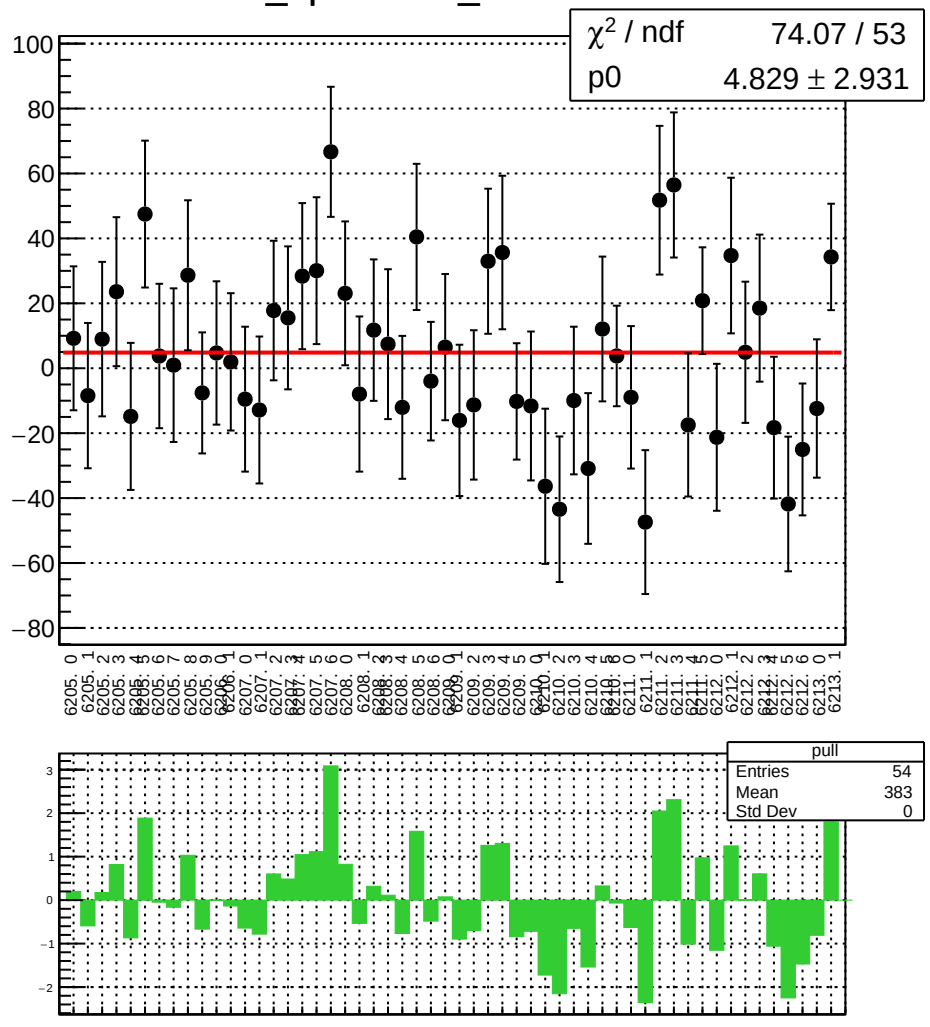

pull1D
Entries 54
Mean 0.01281
Std Dev 1.091

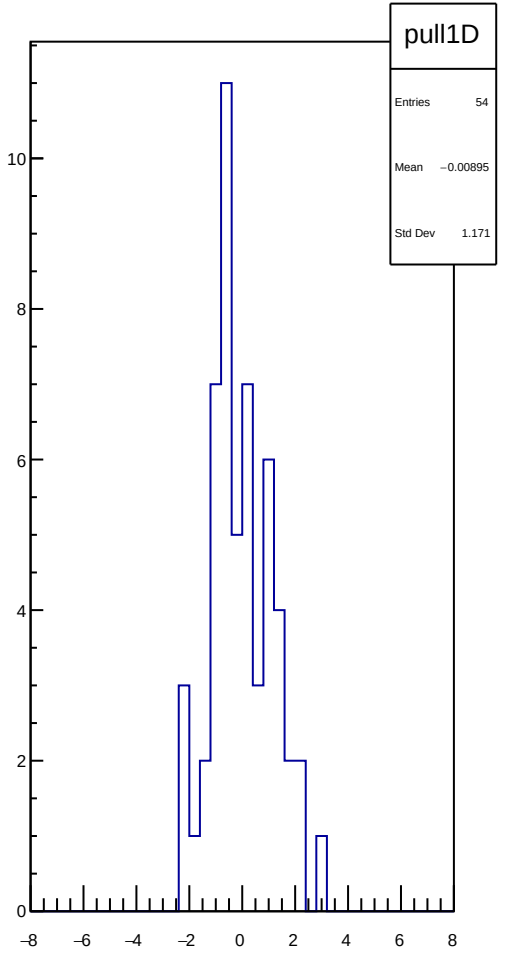

diff_bpm0i02aY_rms vs run
χ² / ndf 1054 / 53
p0 1849 ± 1.798
1950
1900
1850
1800
1750
1700
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

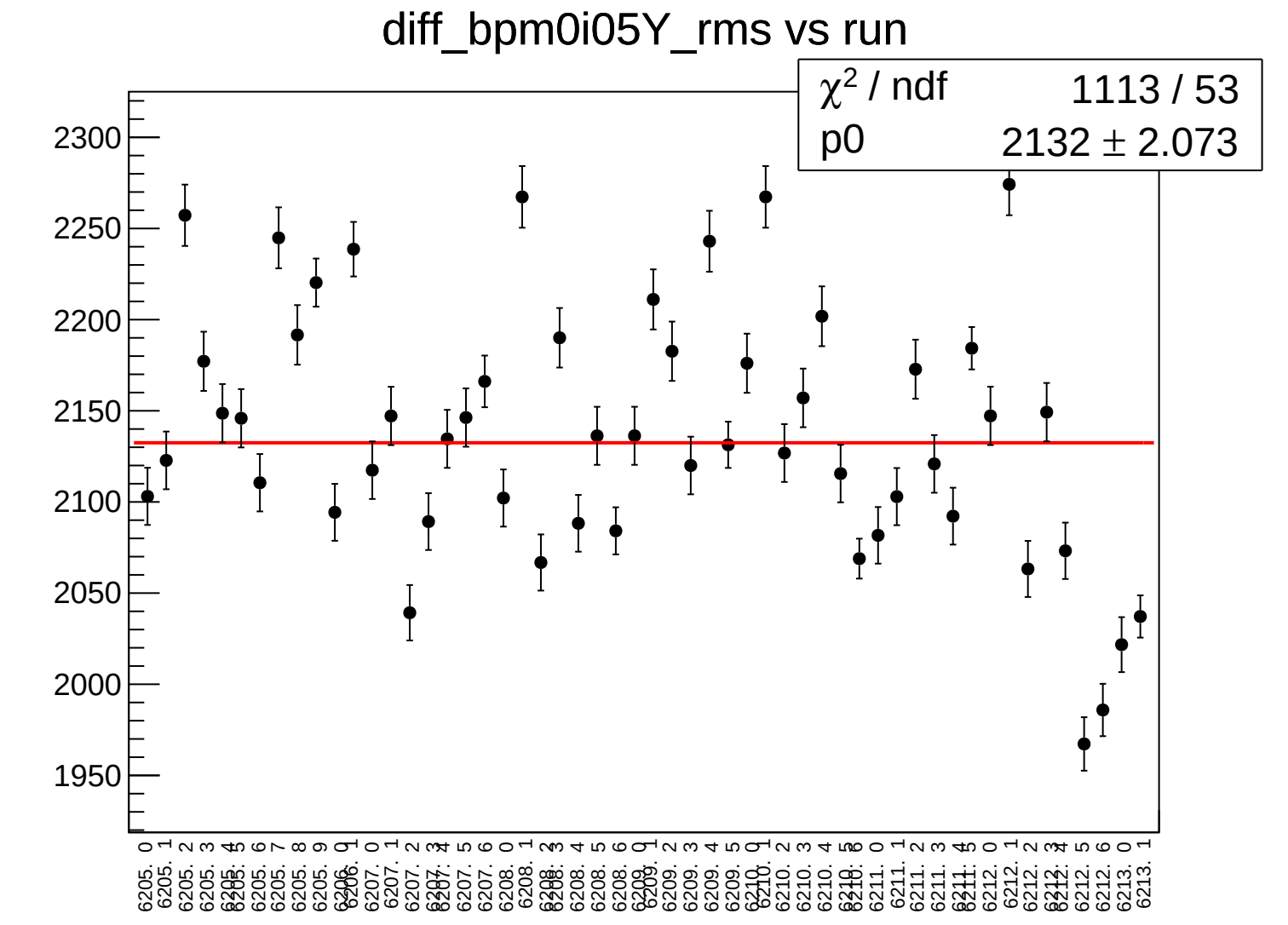

diff_bpm0i05X_mean vs run
χ² / ndf 72.42 / 53
p0 67.72 ± 2.992
pull
Entries 54
Mean −622
Std Dev 0

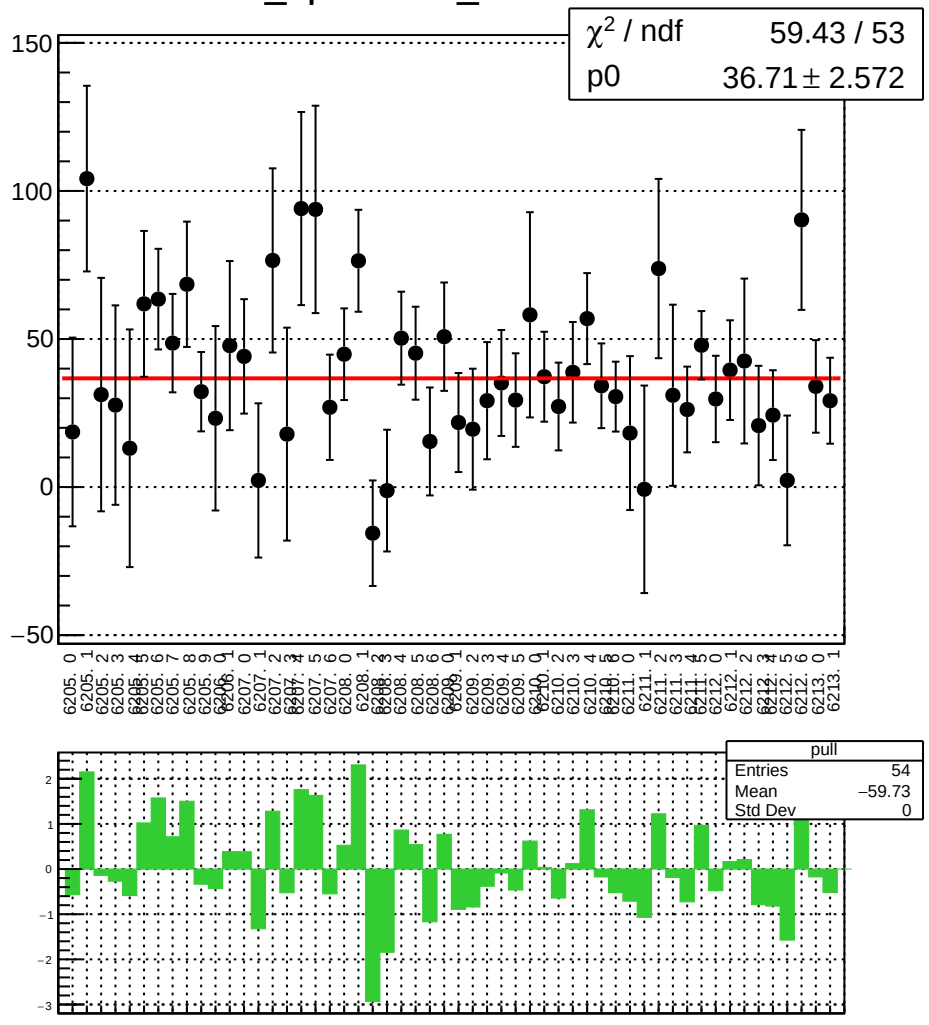

pull1D
Entries 54
Mean 0.01345
Std Dev 1.158

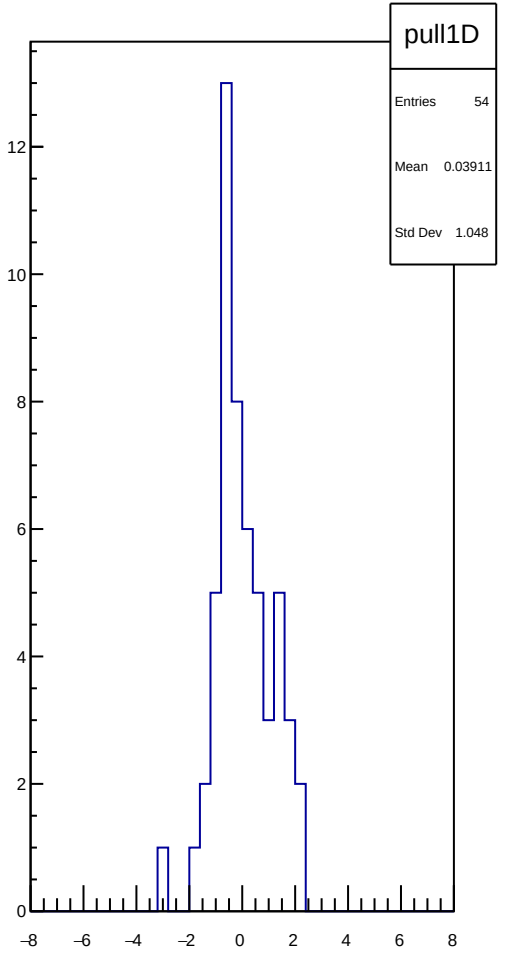

diff_bpm0i05X_rms vs run
χ² / ndf 1325 / 53
p0 2176 ± 2.116
2350
2300
2250
2200
2150
2100
2050
2000
1950
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

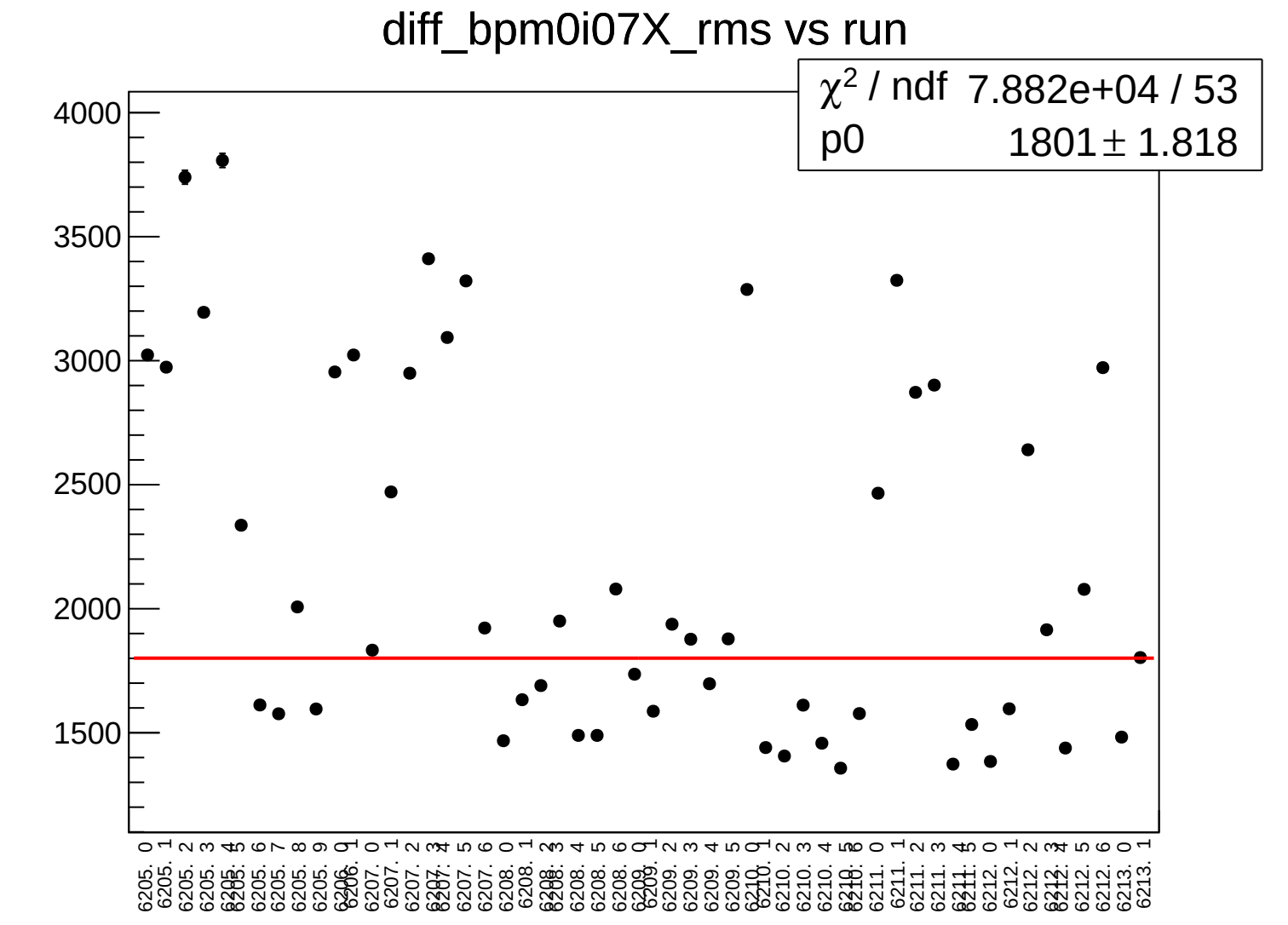

diff_bpm0i05Y_mean vs run
χ^2 / ndf 74.07 / 53
p0 4.829 ± 2.931
pull
Entries 54
Mean 383
Std Dev 0

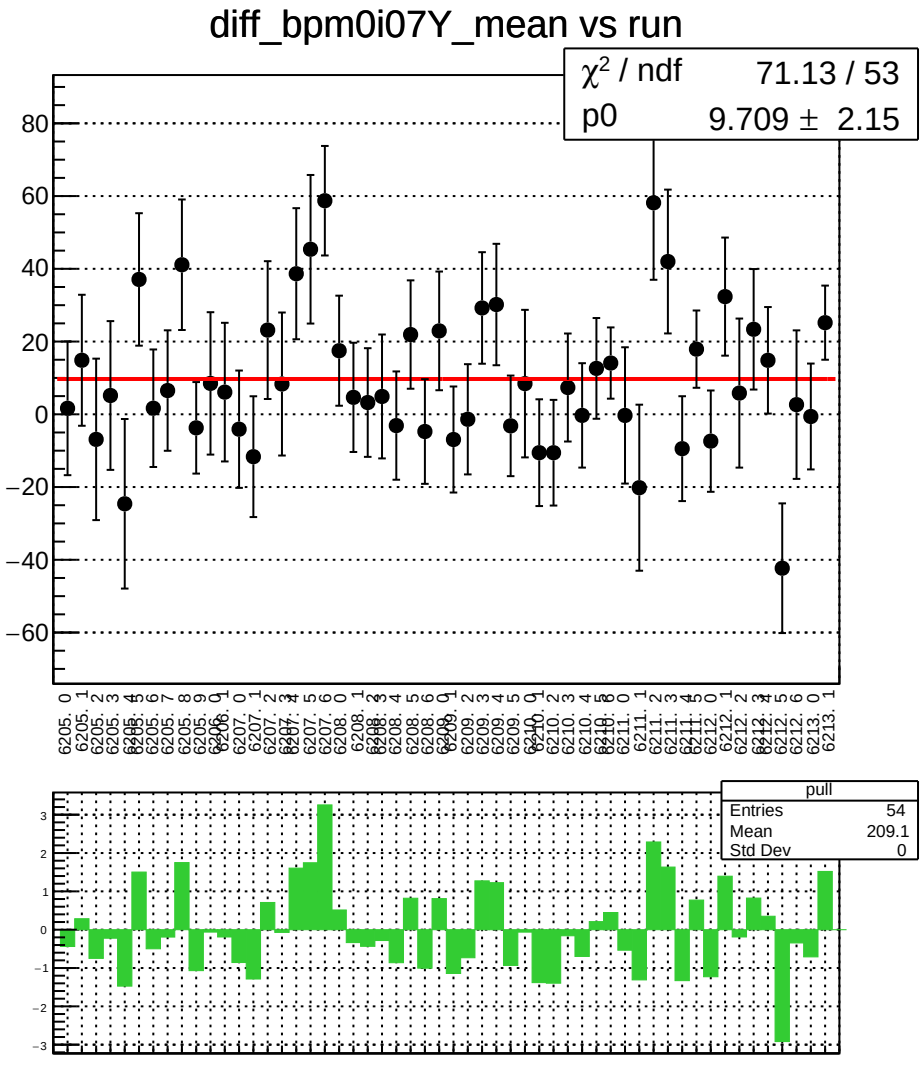

pull1D
Entries 54
Mean −0.00895
Std Dev 1.171

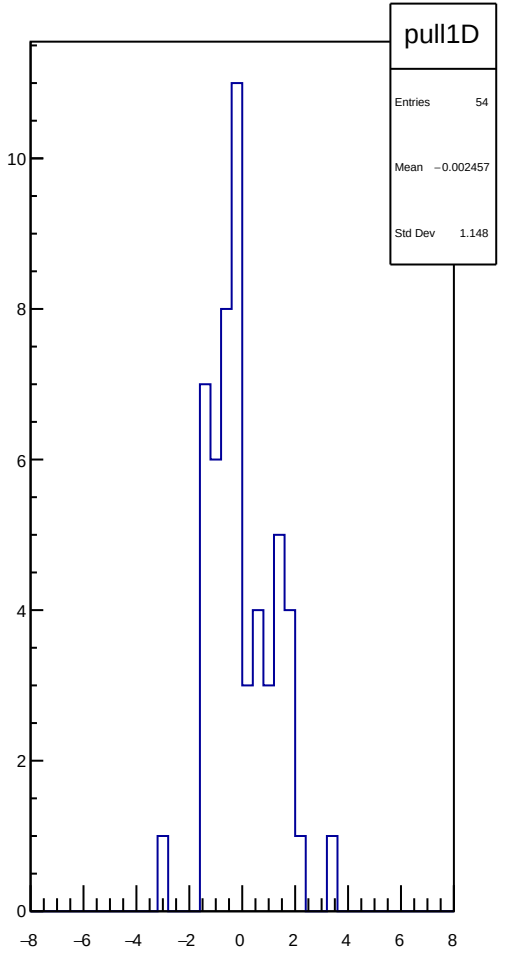

diff_bpm0i05Y_rms vs run
χ² / ndf 1113 / 53
p0 2132 ± 2.073
2300
2250
2200
2150
2100
2050
2000
1950
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

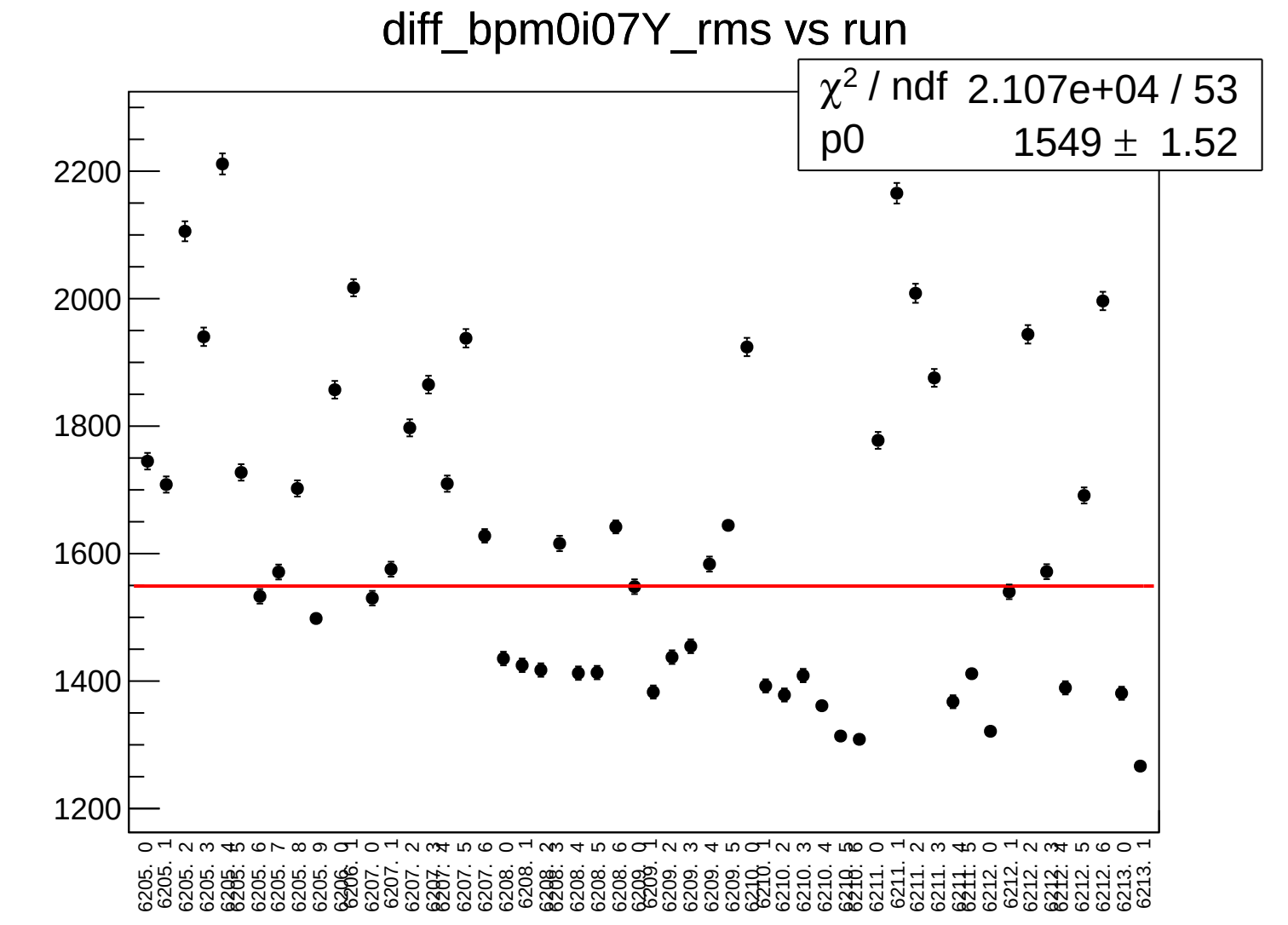

diff_bpm0i07X_mean vs run
χ² / ndf 59.43 / 53
p0 36.71 ± 2.572
pull
Entries 54
Mean −59.73
Std Dev 0

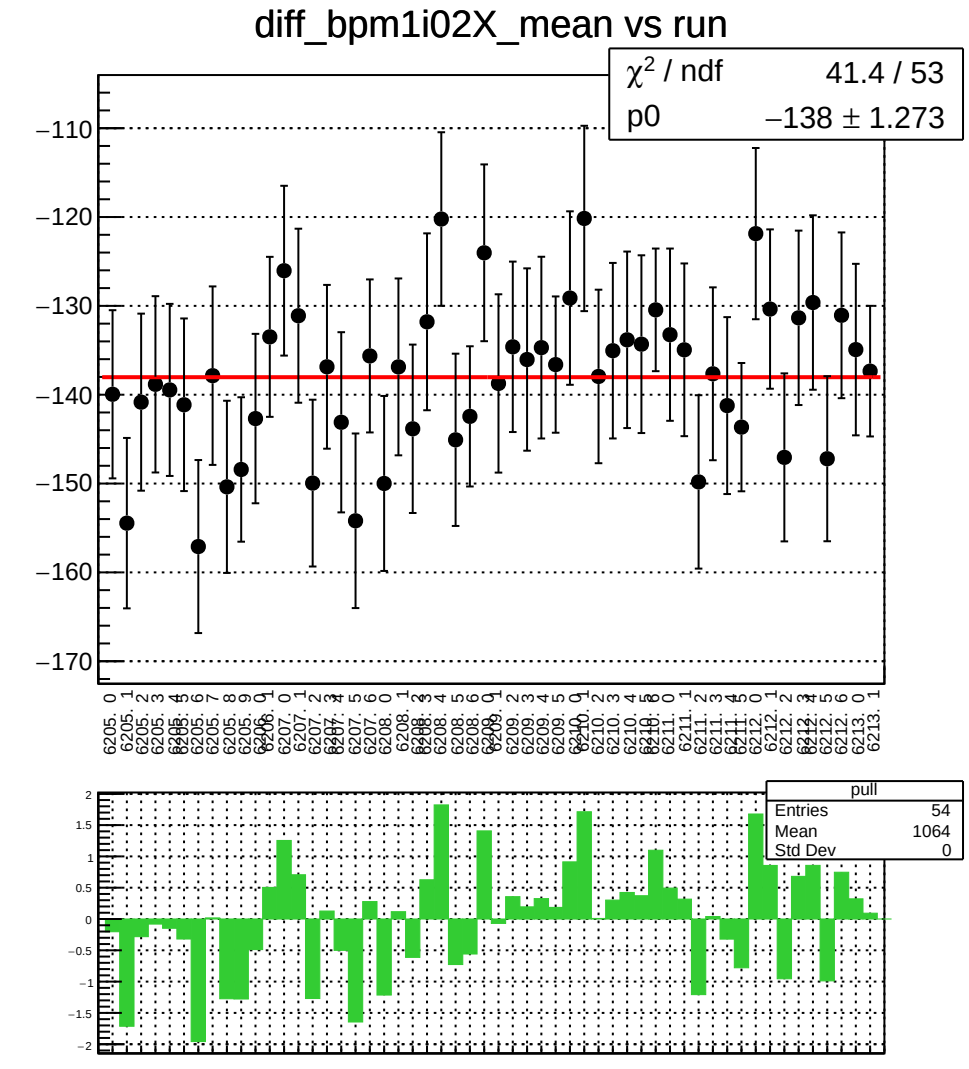

pull1D
Entries 54
Mean 0.03911
Std Dev 1.048

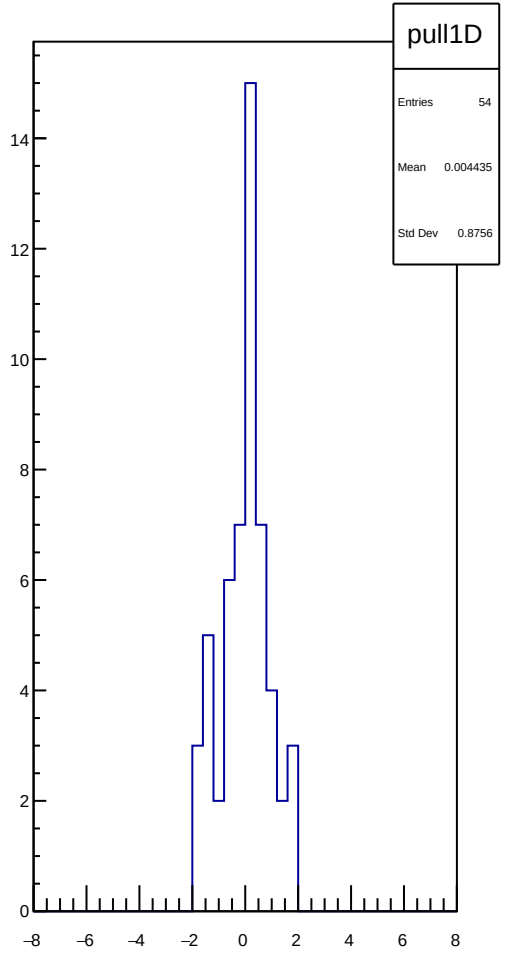

diff_bpm0i07X_rms vs run
χ² / ndf 7.882e+04 / 53
p0 1801 ± 1.818
4000
3500
3000
2500
2000
1500

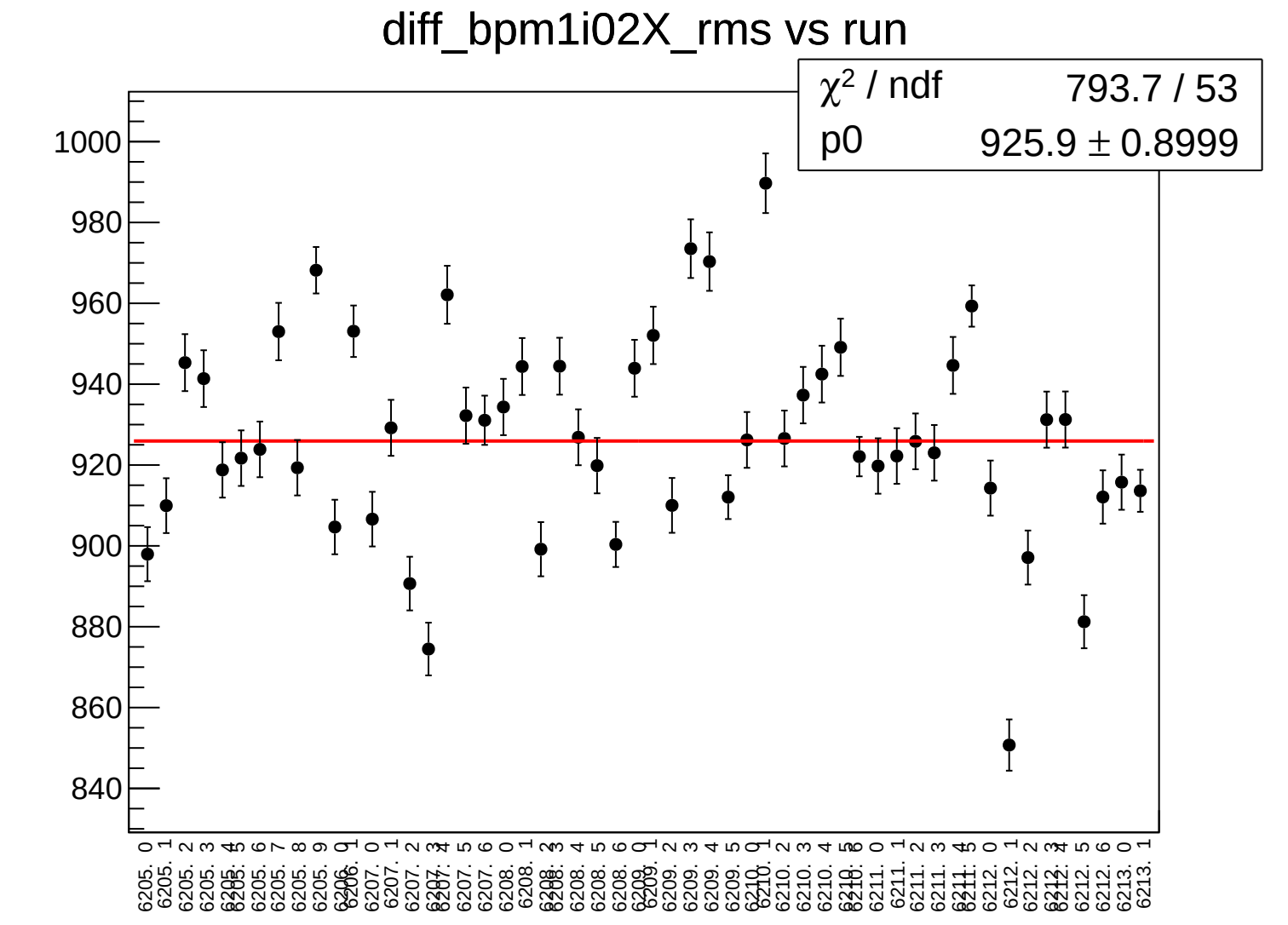

diff_bpm0i07Y_mean vs run
χ² / ndf 71.13 / 53
p0 9.709 ± 2.15
pull
Entries 54
Mean 209.1
Std Dev 0

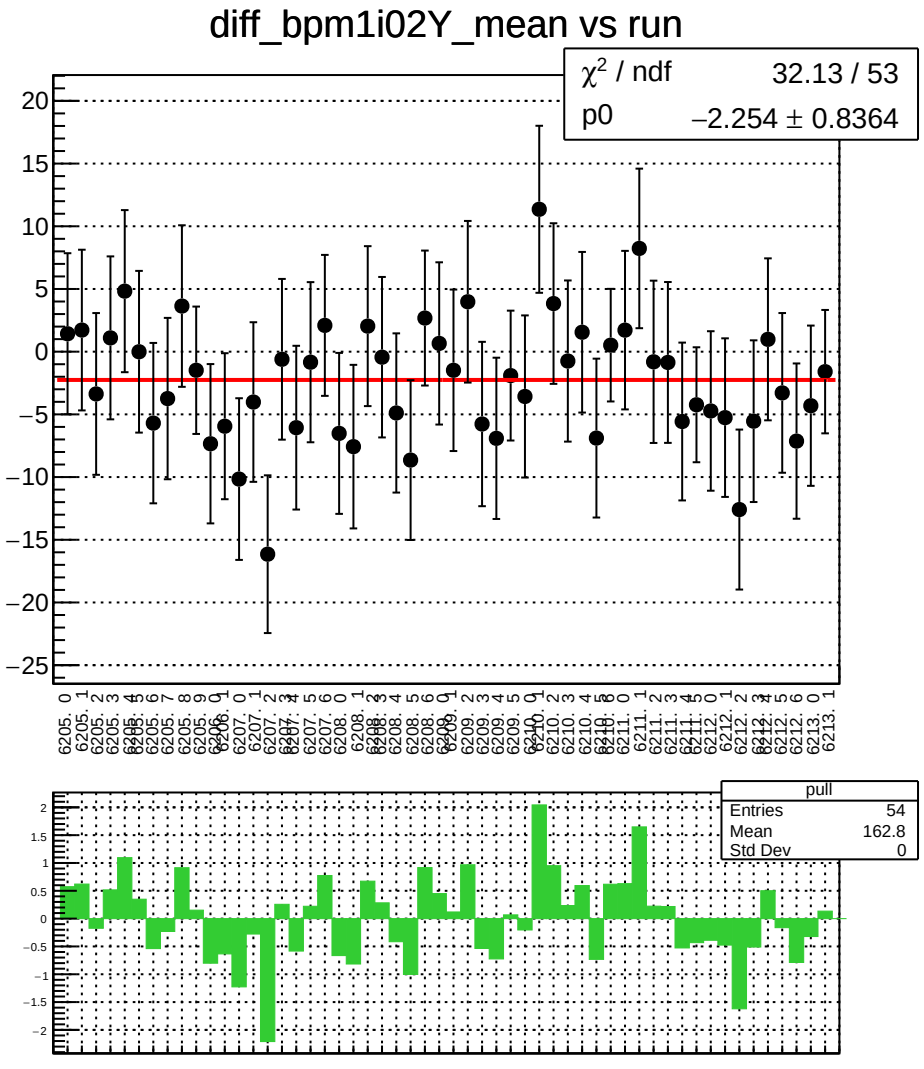

pull1D
Entries 54
Mean −0.002457
Std Dev 1.148

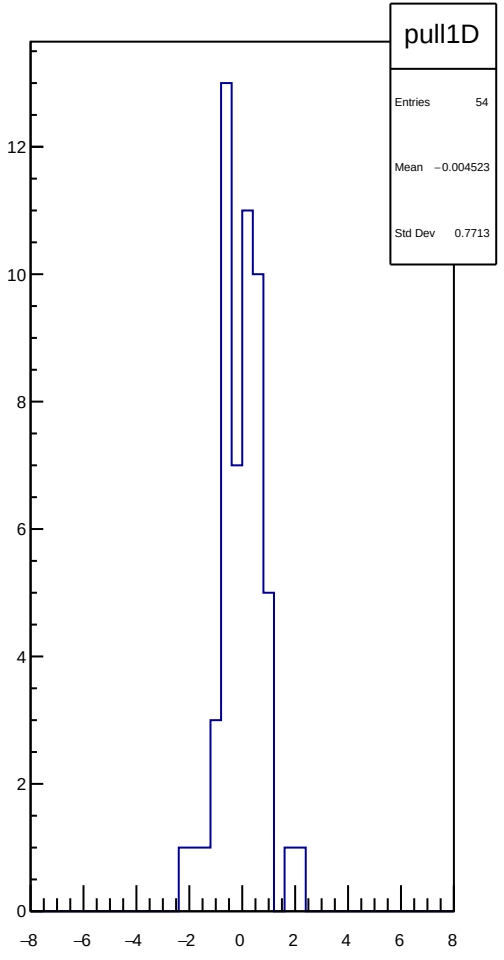

diff_bpm0i07Y_rms vs run
χ² / ndf 2.107e+04 / 53
p0 1549 ± 1.52
2200
2000
1800
1600
1400
1200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

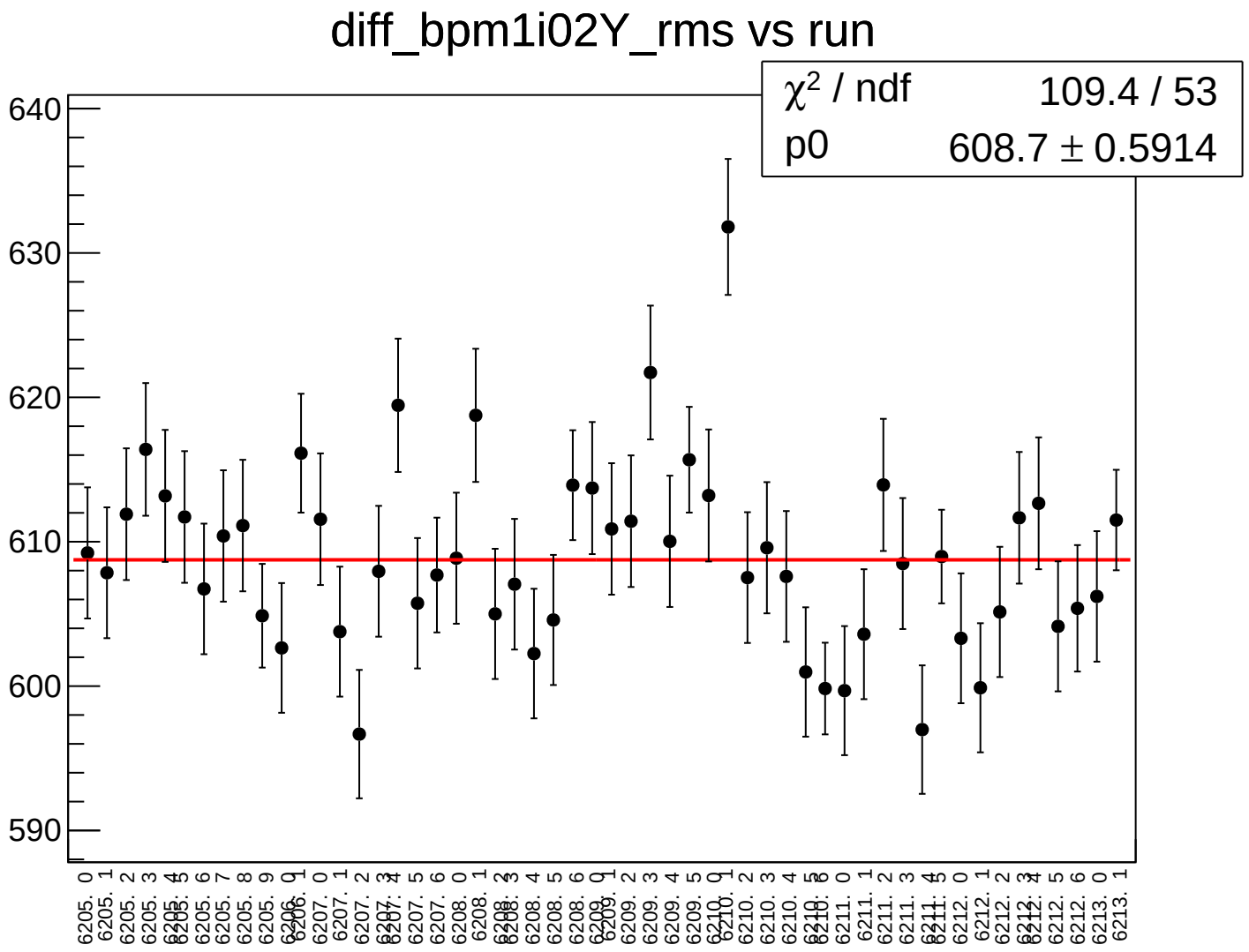

diff_bpm1i02X_mean vs run
χ² / ndf 41.4 / 53
p0 −138 ± 1.273
pull
Entries 54
Mean 1064
Std Dev 0

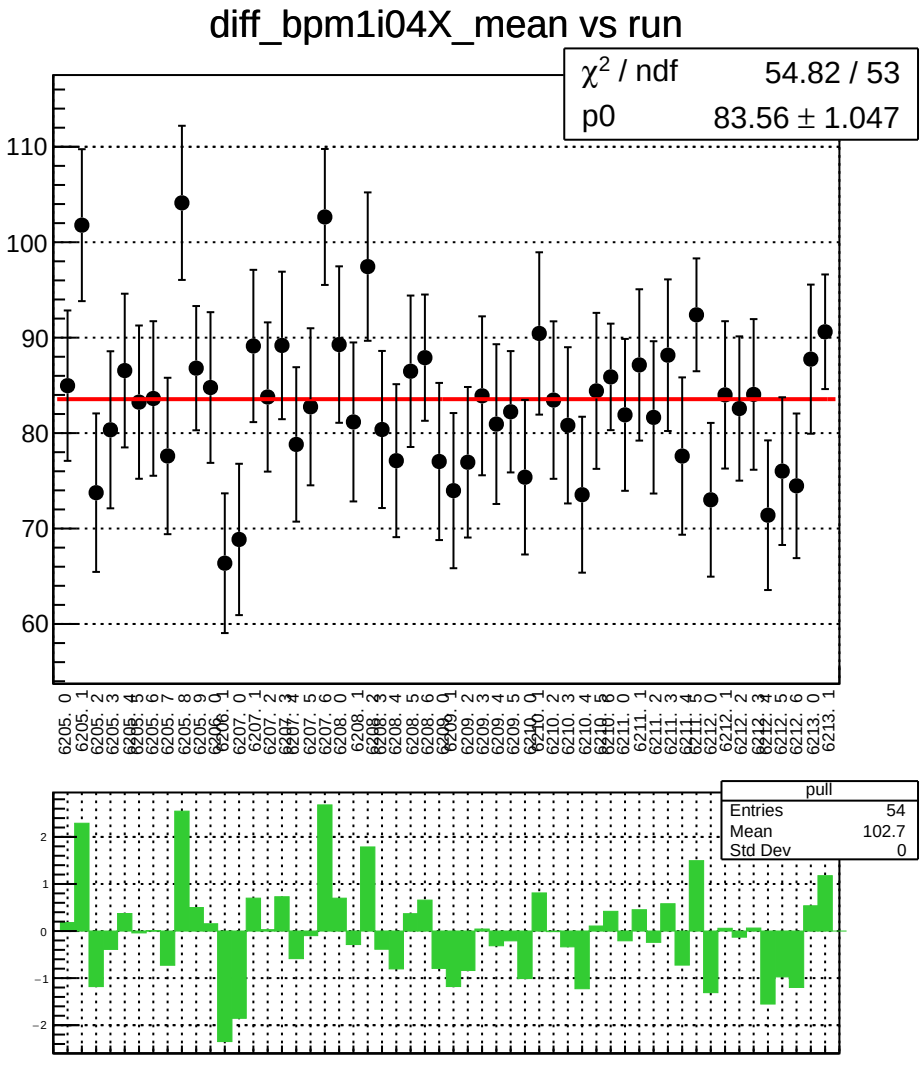

pull1D
Entries 54
Mean 0.004435
Std Dev 0.8756

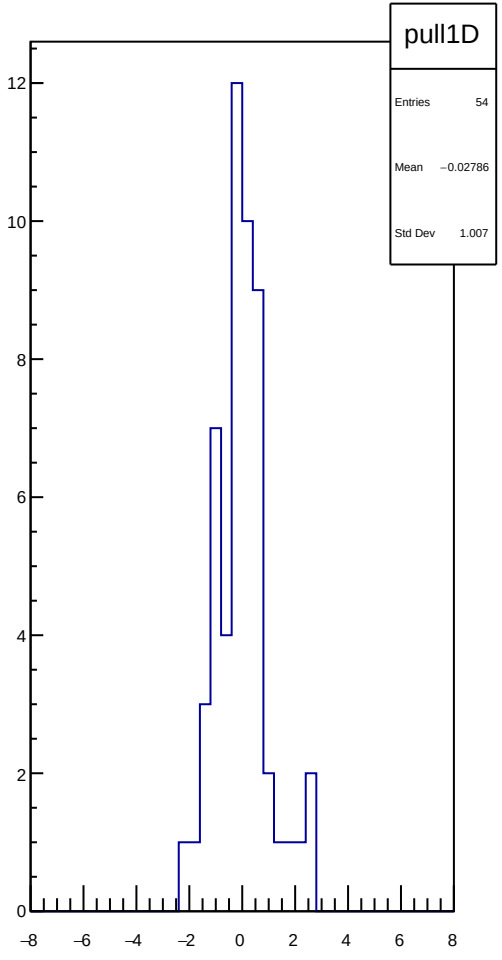

diff_bpm1i02X_rms vs run
χ² / ndf 793.7 / 53
p0 925.9 ± 0.8999
1000
980
960
940
920
900
880
860
840
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

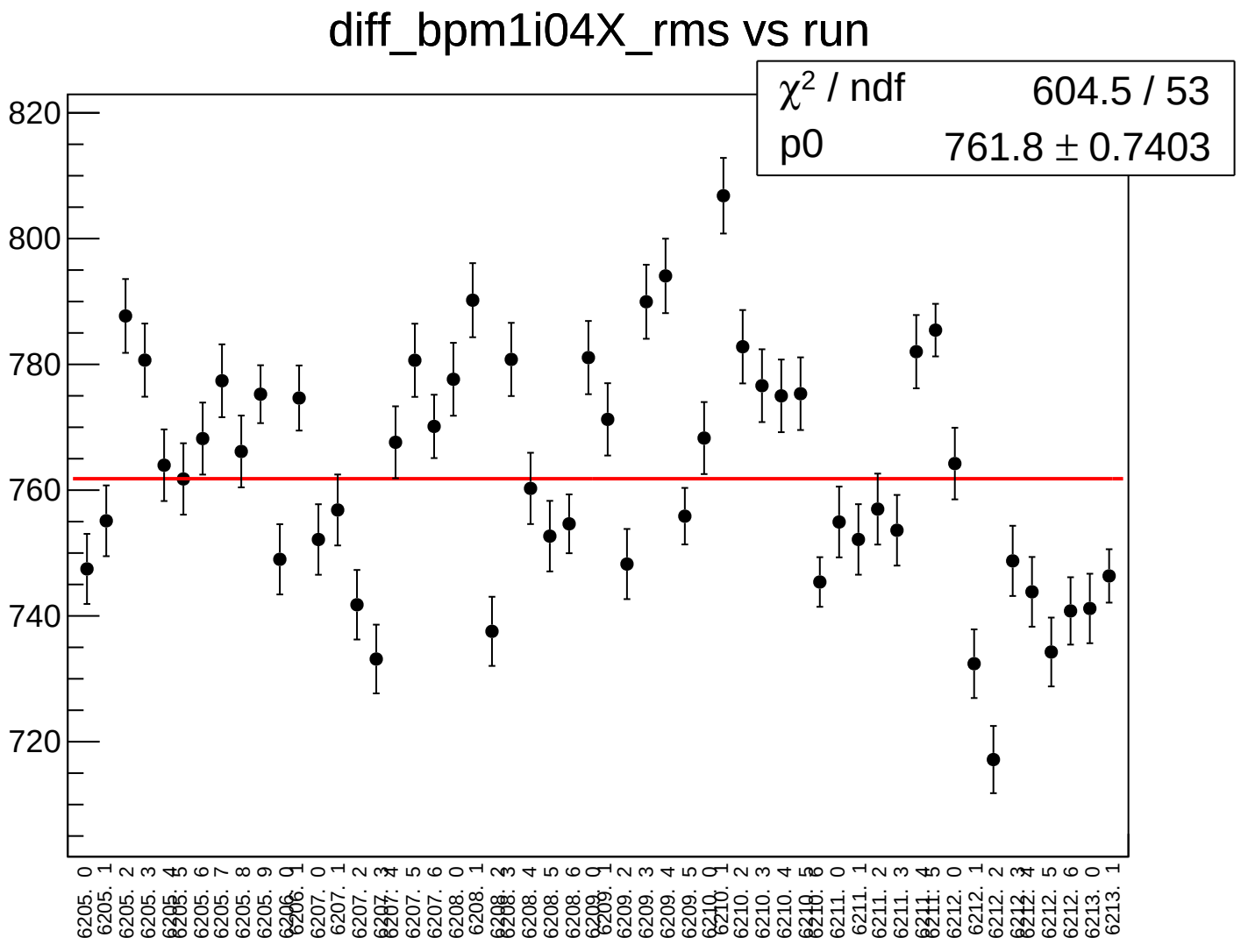

diff_bpm1i02Y_mean vs run
χ² / ndf 32.13 / 53
p0 −2.254 ± 0.8364
pull
Entries 54
Mean 162.8
Std Dev 0

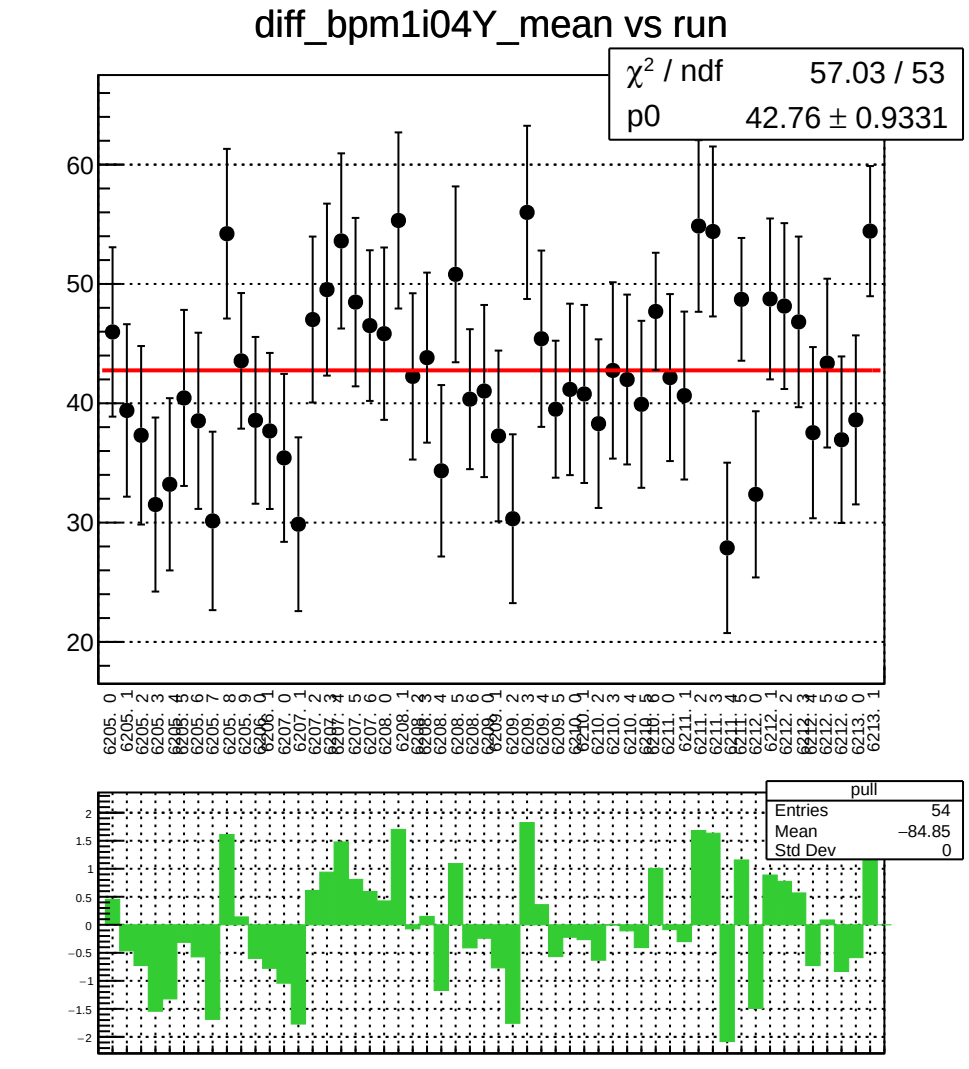

pull1D
Entries 54
Mean −0.004523
Std Dev 0.7713

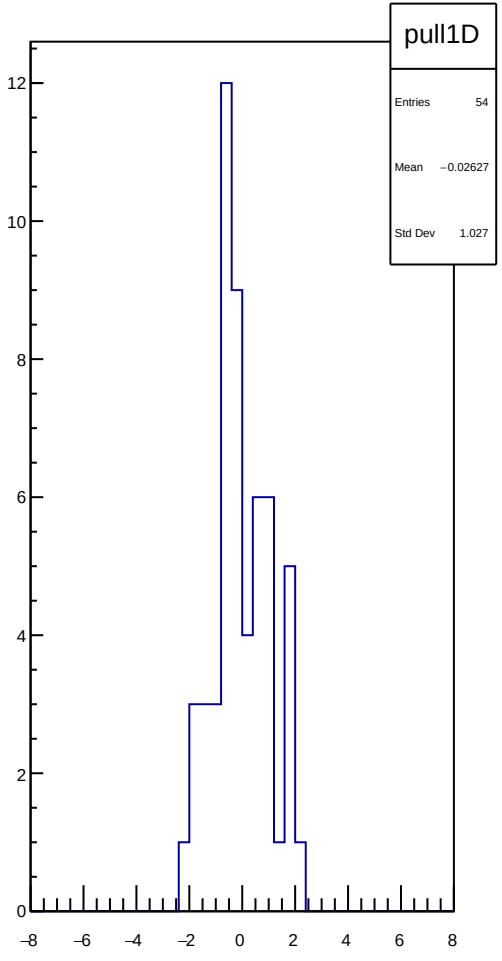

diff_bpm1i02Y_rms vs run
χ² / ndf 109.4 / 53
p0 608.7 ± 0.5914
640
630
620
610
600
590
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

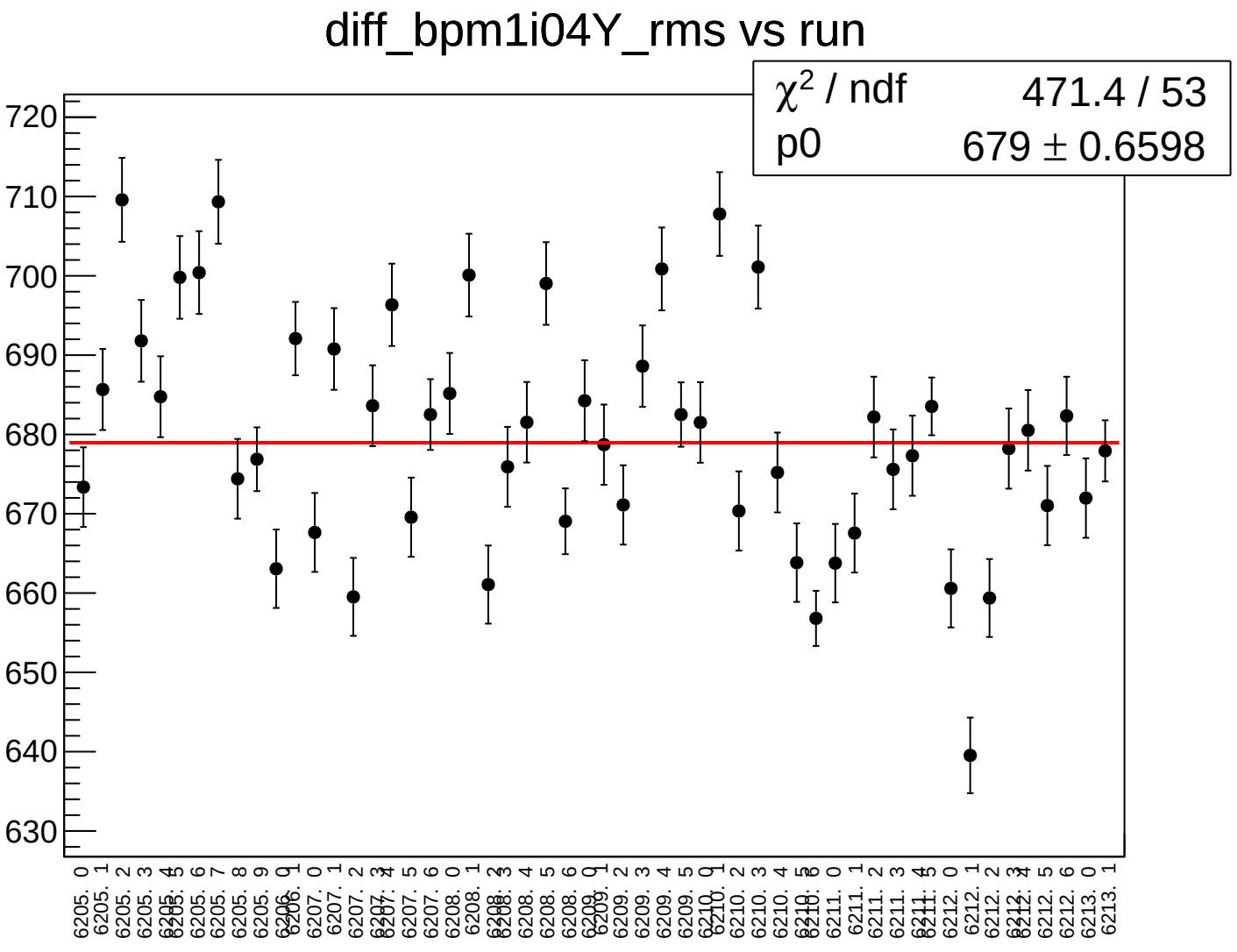

diff_bpm1i04X_mean vs run
χ^2 / ndf 54.82 / 53
p0 83.56 ± 1.047
110
100
90
80
70
60
pull
Entries 54
Mean 102.7
Std Dev 0
2
1
0
−1
−2

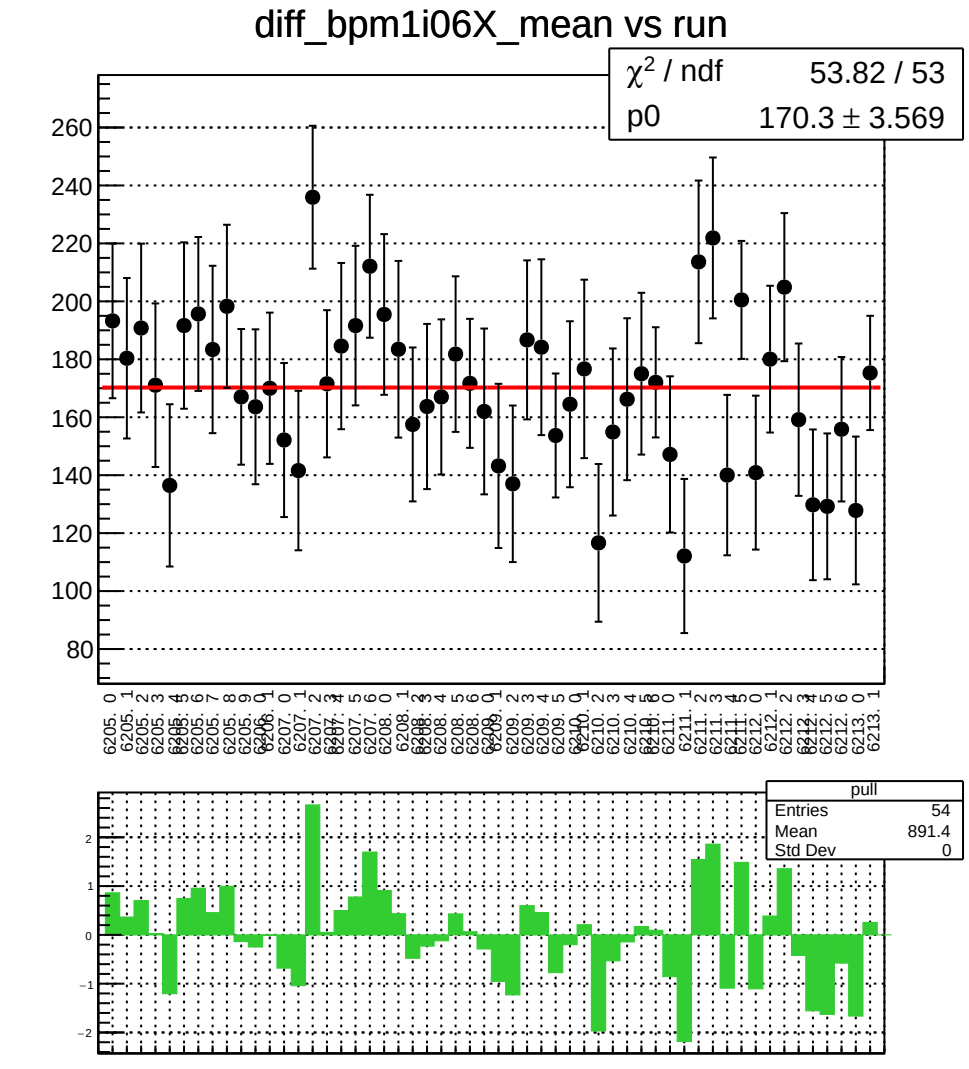

pull1D
Entries 54
Mean −0.02786
Std Dev 1.007
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

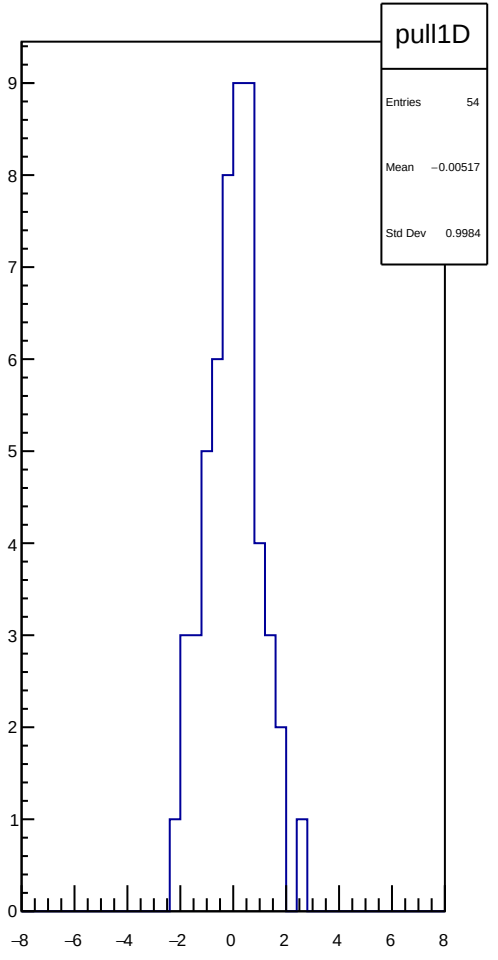

diff_bpm1i04X_rms vs run
χ² / ndf 604.5 / 53
p0 761.8 ± 0.7403
820
800
780
760
740
720
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

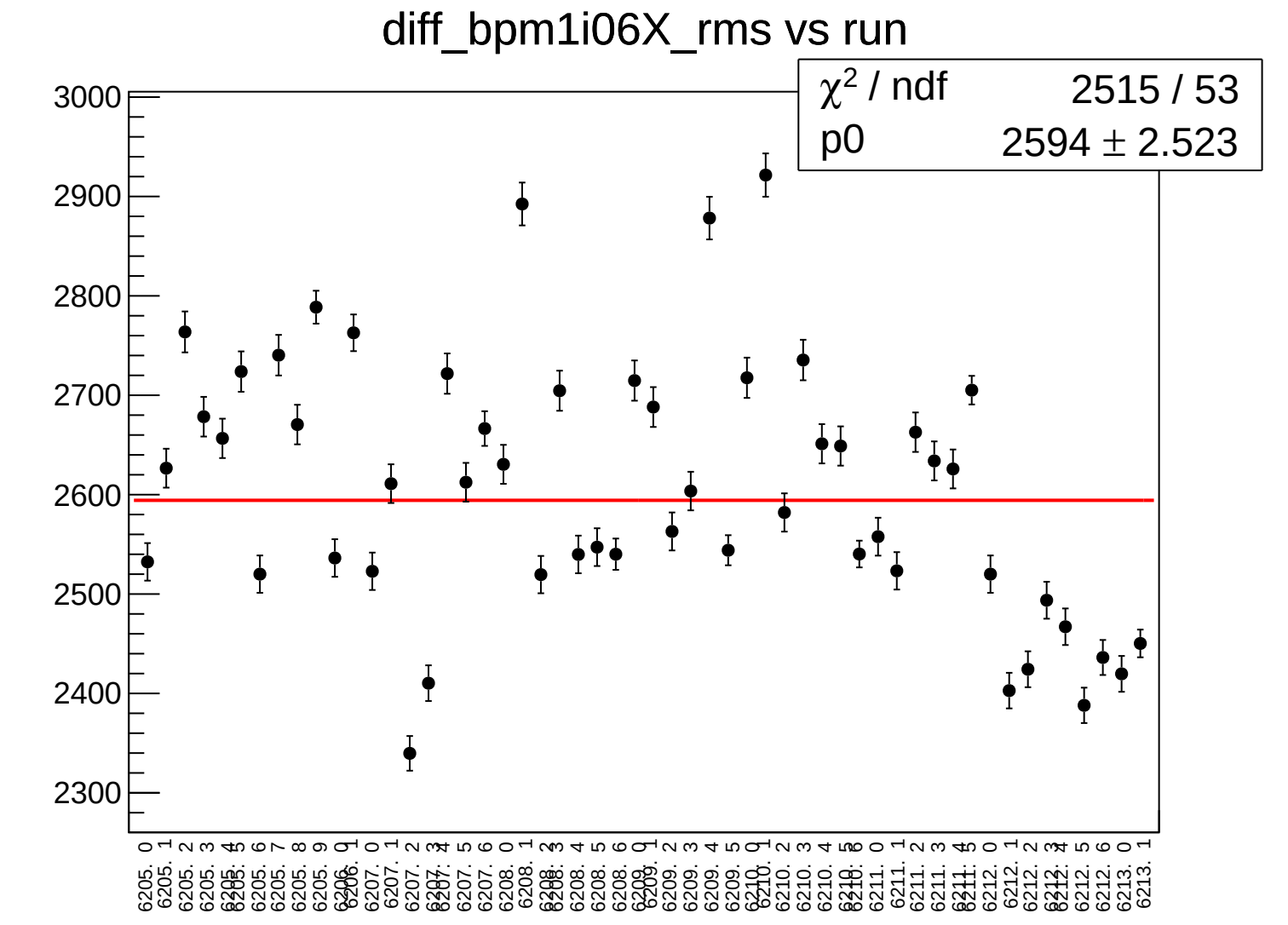

diff_bpm1i04Y_mean vs run
χ² / ndf 57.03 / 53
p0 42.76 ± 0.9331
pull
Entries 54
Mean −84.85
Std Dev 0

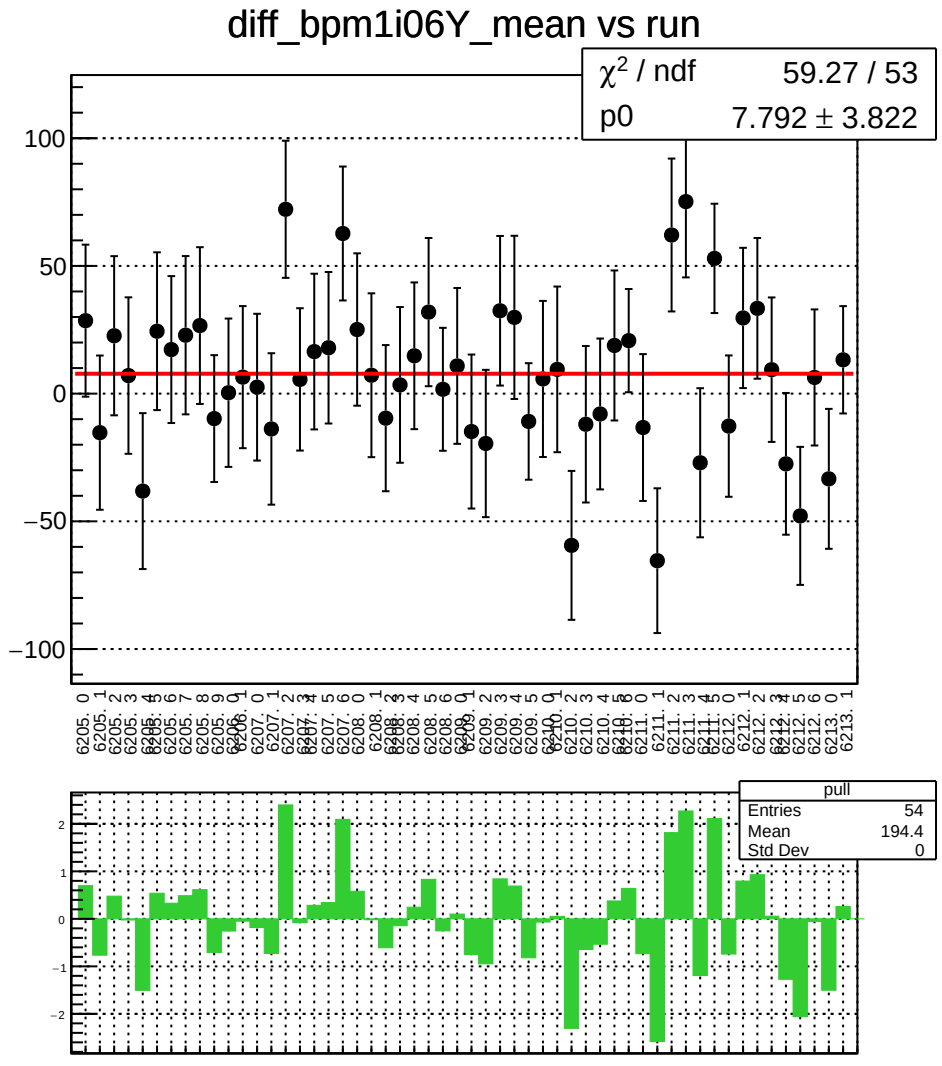

pull1D
Entries 54
Mean −0.02627
Std Dev 1.027

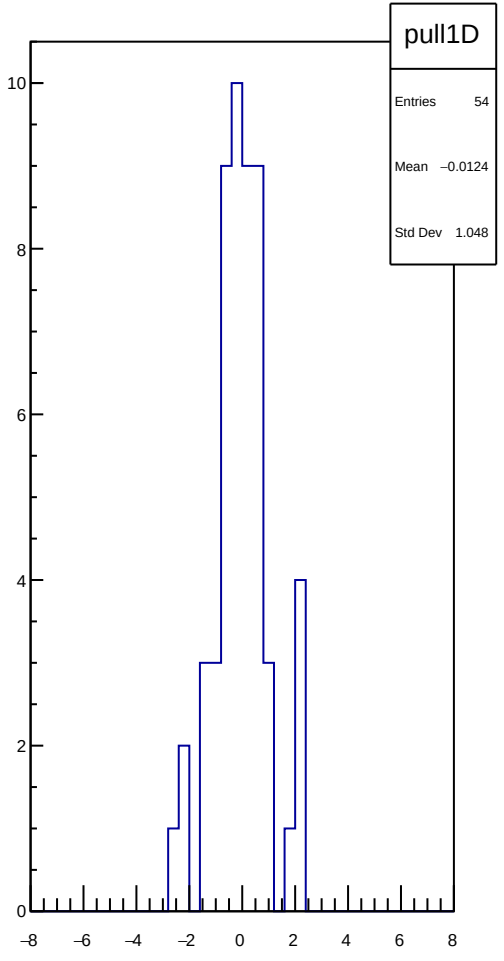

diff_bpm1i04Y_rms vs run
χ² / ndf 471.4 / 53
p0 679 ± 0.6598
720
710
700
690
680
670
660
650
640
630
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

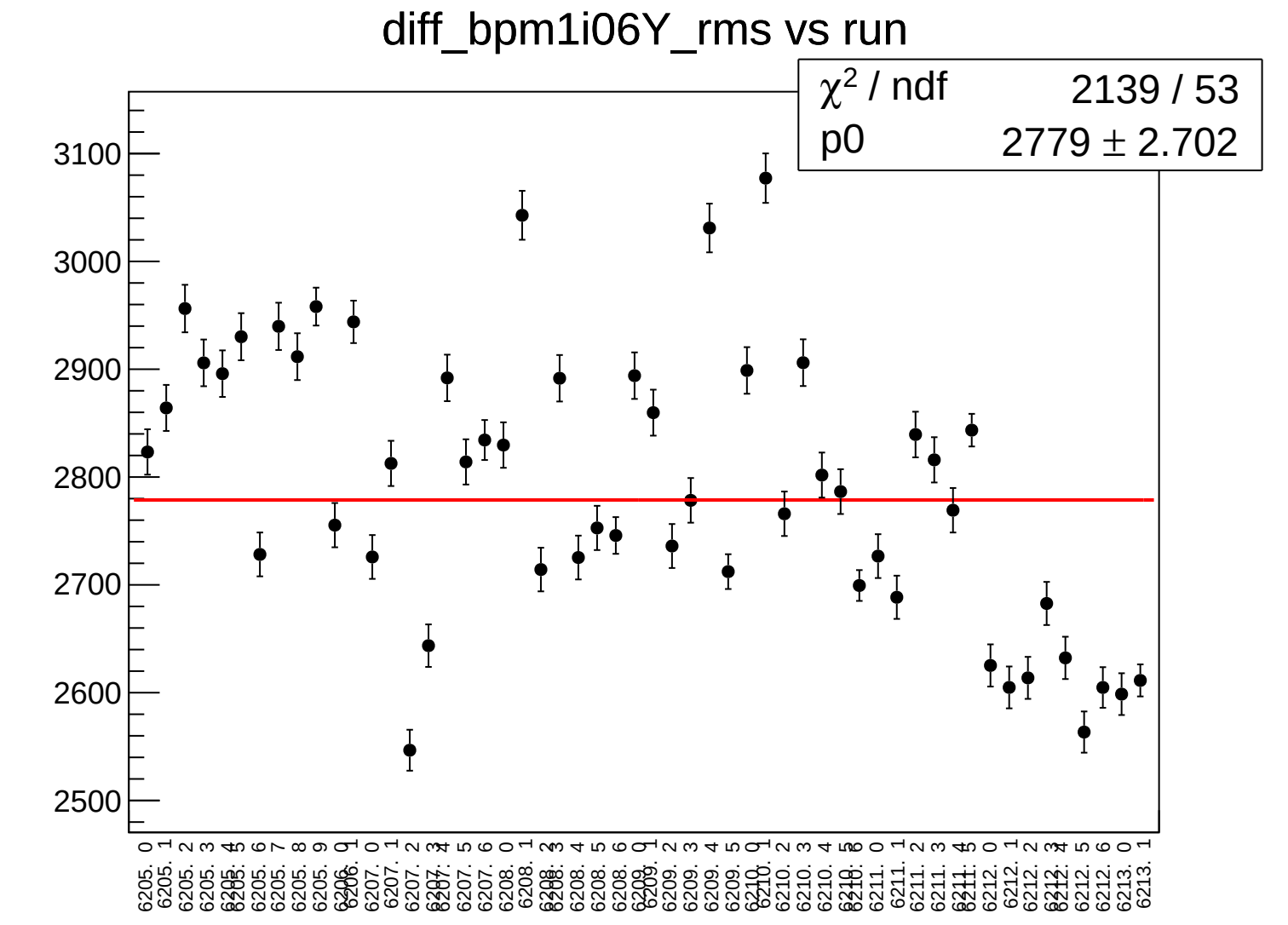

diff_bpm1i06X_mean vs run
χ² / ndf 53.82 / 53
p0 170.3 ± 3.569
pull
Entries 54
Mean 891.4
Std Dev 0

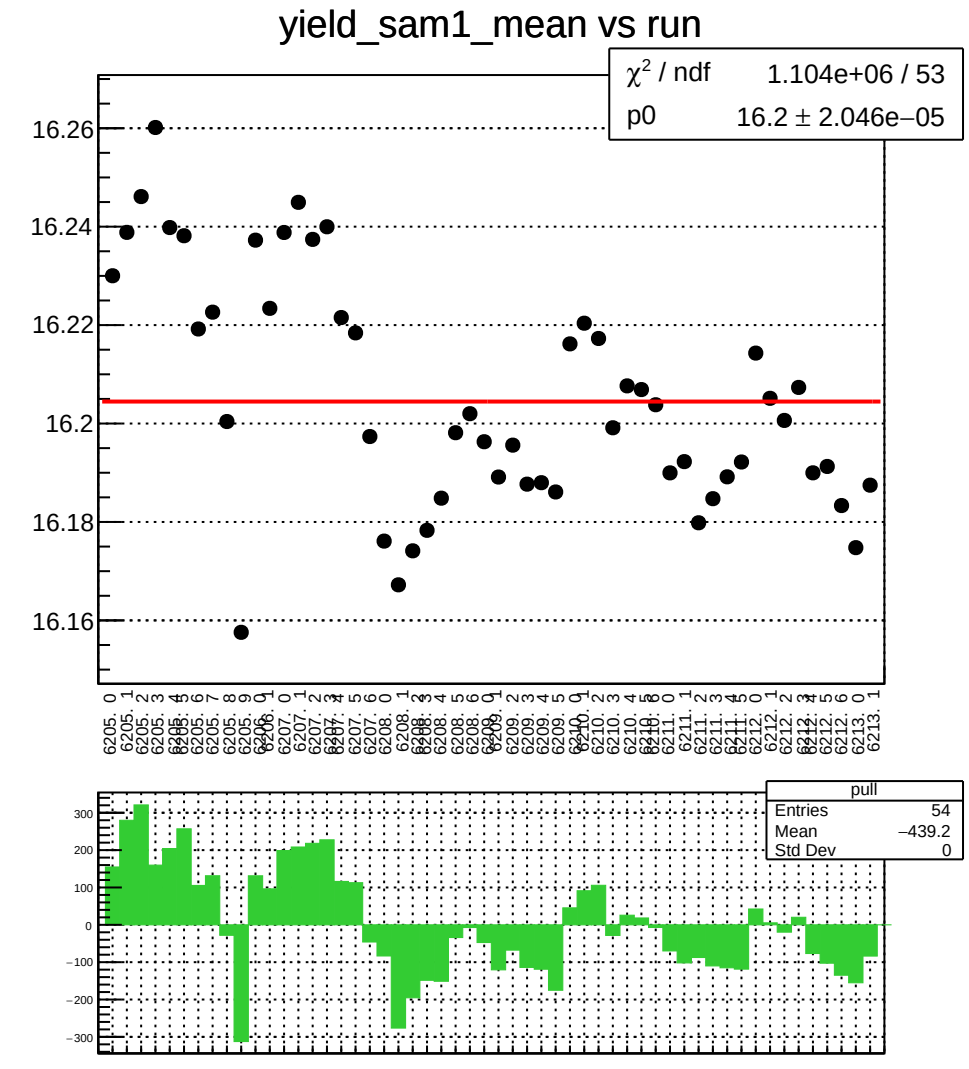

pull1D
Entries 54
Mean −0.00517
Std Dev 0.9984

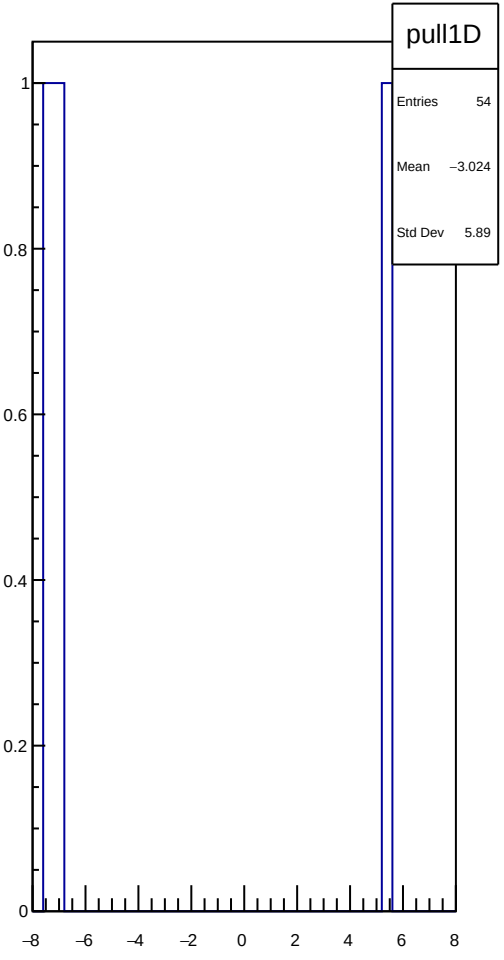

diff_bpm1i06X_rms vs run
χ² / ndf 2515 / 53
p0 2594 ± 2.523
3000
2900
2800
2700
2600
2500
2400
2300

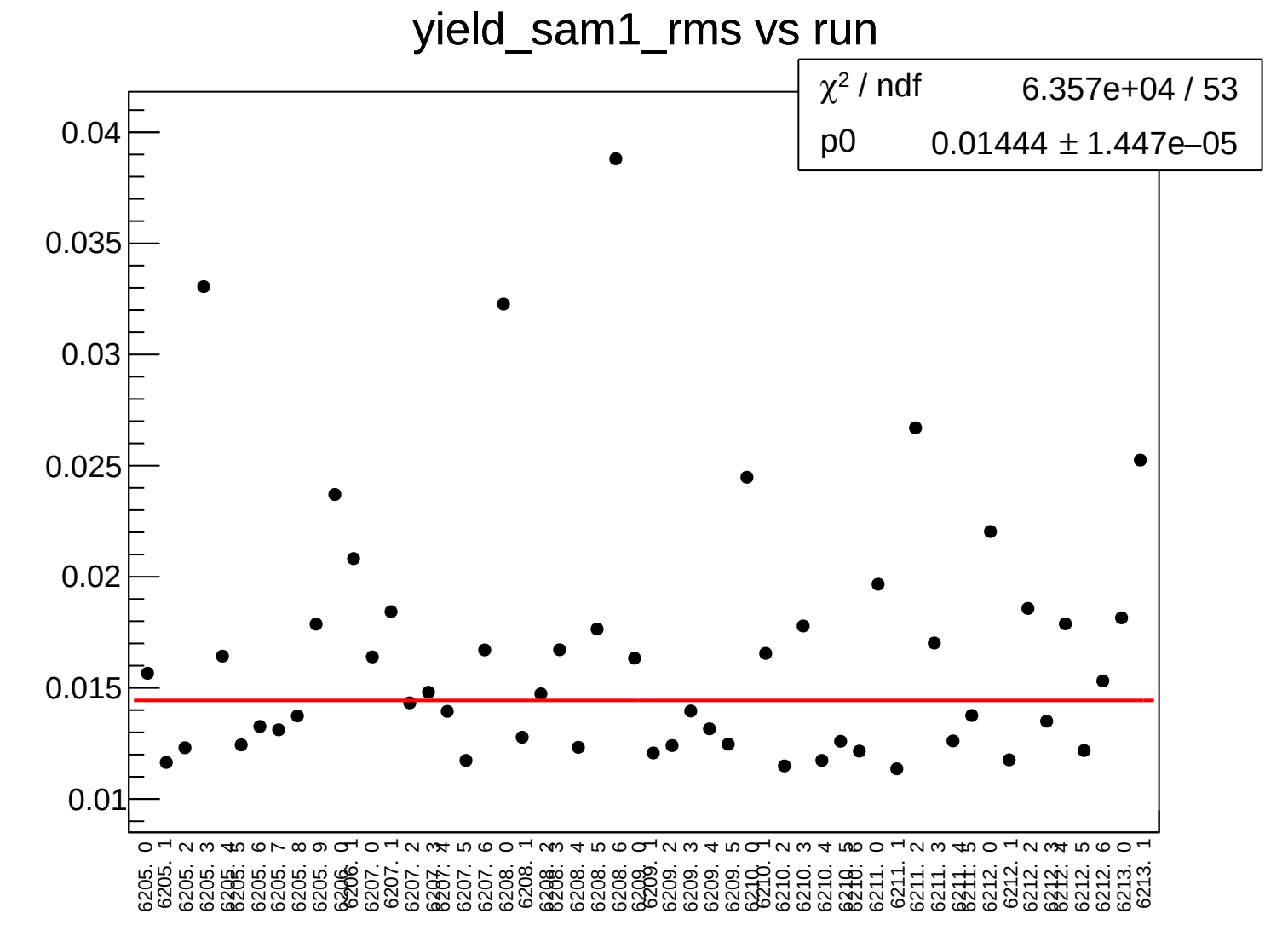

diff_bpm1i06Y_mean vs run
χ² / ndf 59.27 / 53
p0 7.792 ± 3.822
100
50
0
−50
−100
pull
Entries 54
Mean 194.4
Std Dev 0
2
1
0
−1
−2

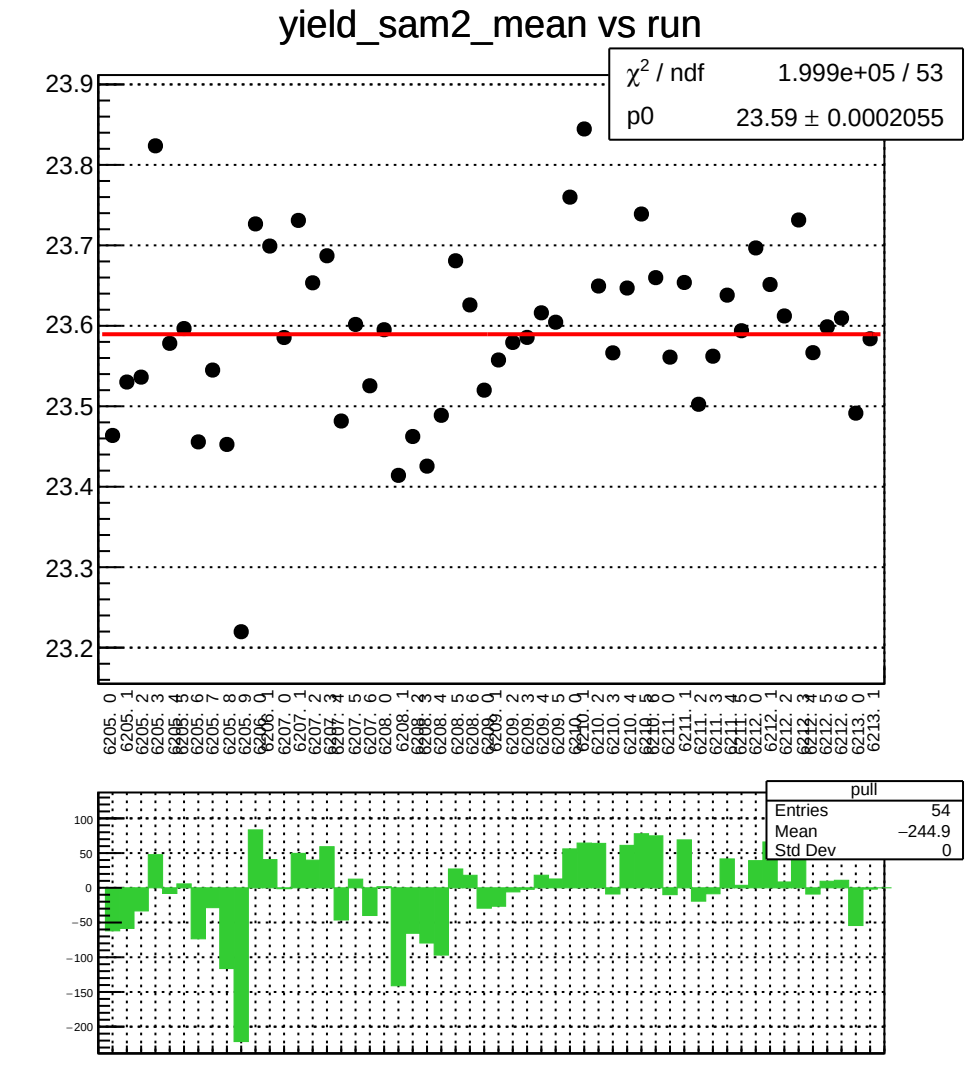

pull1D
Entries 54
Mean −0.0124
Std Dev 1.048
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

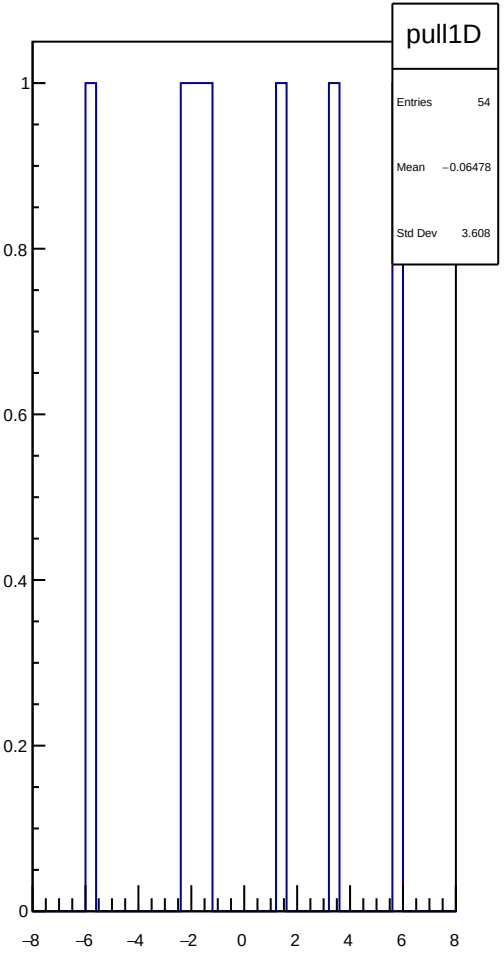

diff_bpm1i06Y_rms vs run
χ² / ndf 2139 / 53
p0 2779 ± 2.702
3100
3000
2900
2800
2700
2600
2500
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

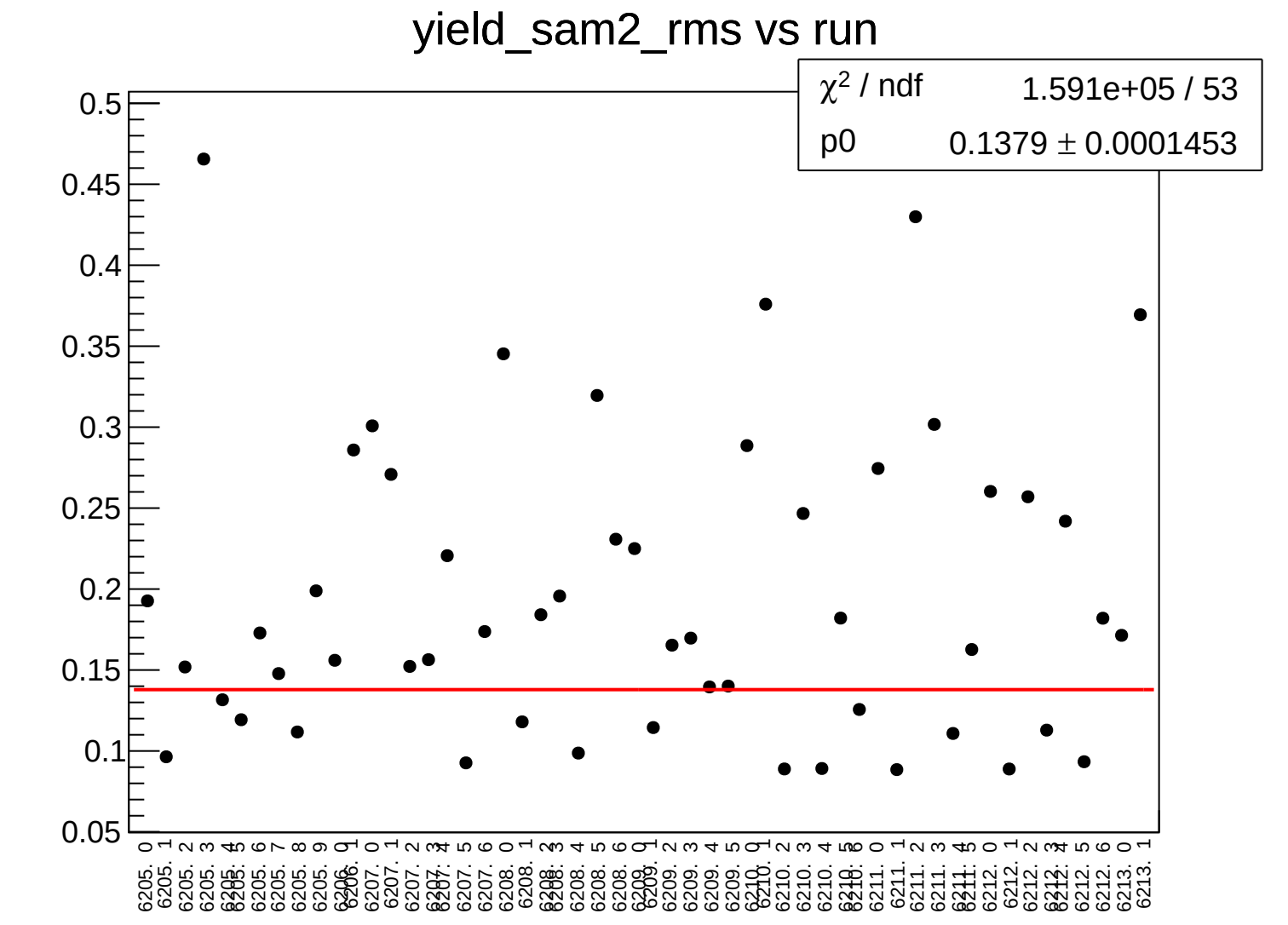

yield_sam1_mean vs run
χ² / ndf 1.104e+06 / 53
p0 16.2 ± 2.046e−05
16.26
16.24
16.22
16.2
16.18
16.16
pull
Entries 54
Mean −439.2
Std Dev 0
300
200
100
0
−100
−200
−300

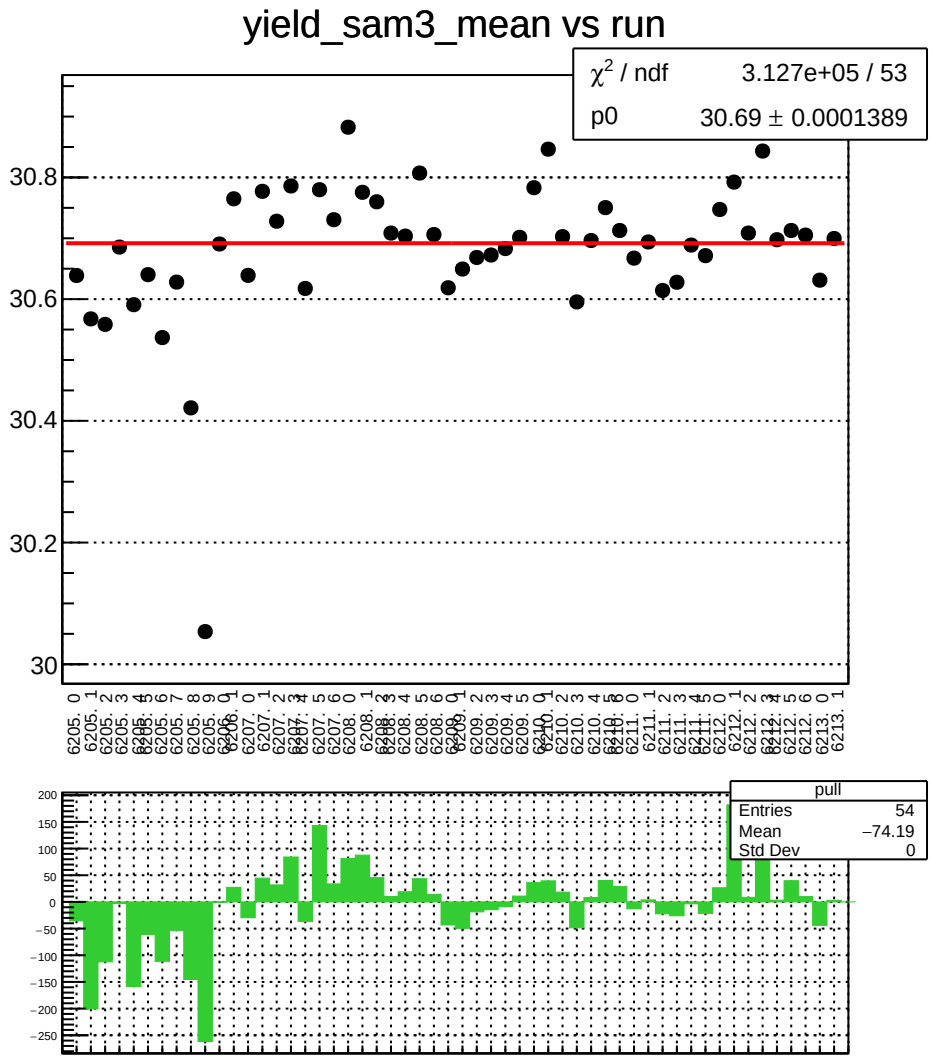

pull1D
Entries 54
Mean −3.024
Std Dev 5.89
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

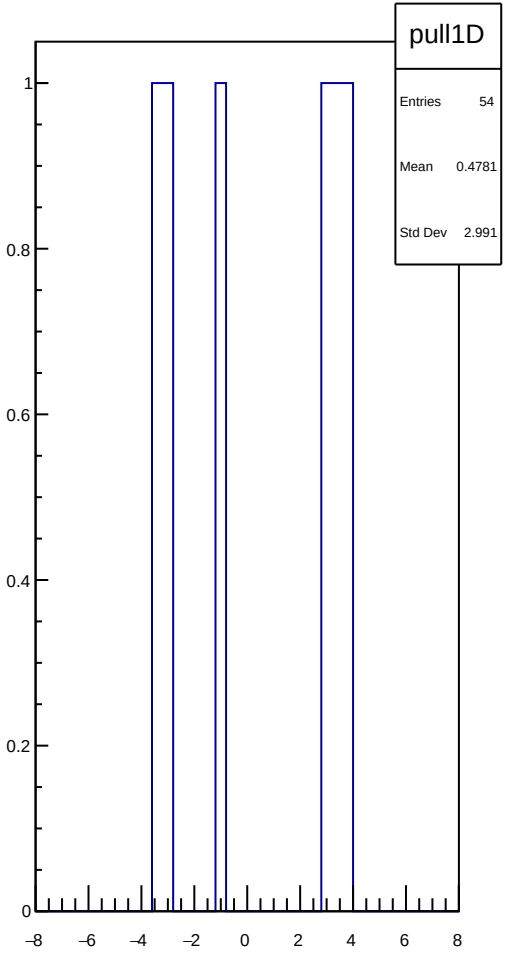

yield_sam1_rms vs run
χ² / ndf 6.357e+04 / 53
p0 0.01444 ± 1.447e−05
0.04
0.035
0.03
0.025
0.02
0.015
0.01

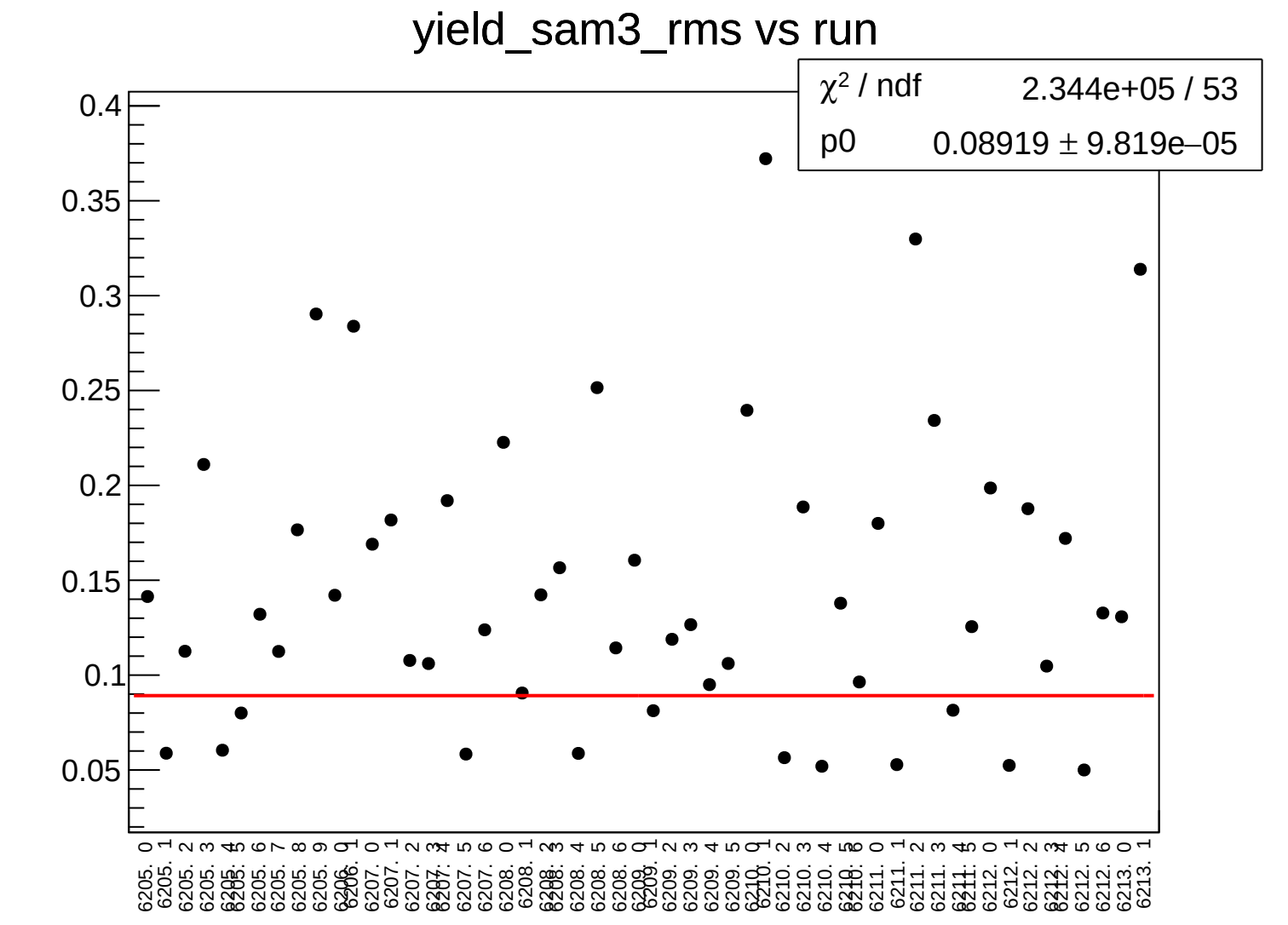

yield_sam2_mean vs run
χ² / ndf 1.999e+05 / 53
p0 23.59 ± 0.0002055
23.9
23.8
23.7
23.6
23.5
23.4
23.3
23.2
pull
Entries 54
Mean −244.9
Std Dev 0
100
50
0
−50
−100
−150
−200

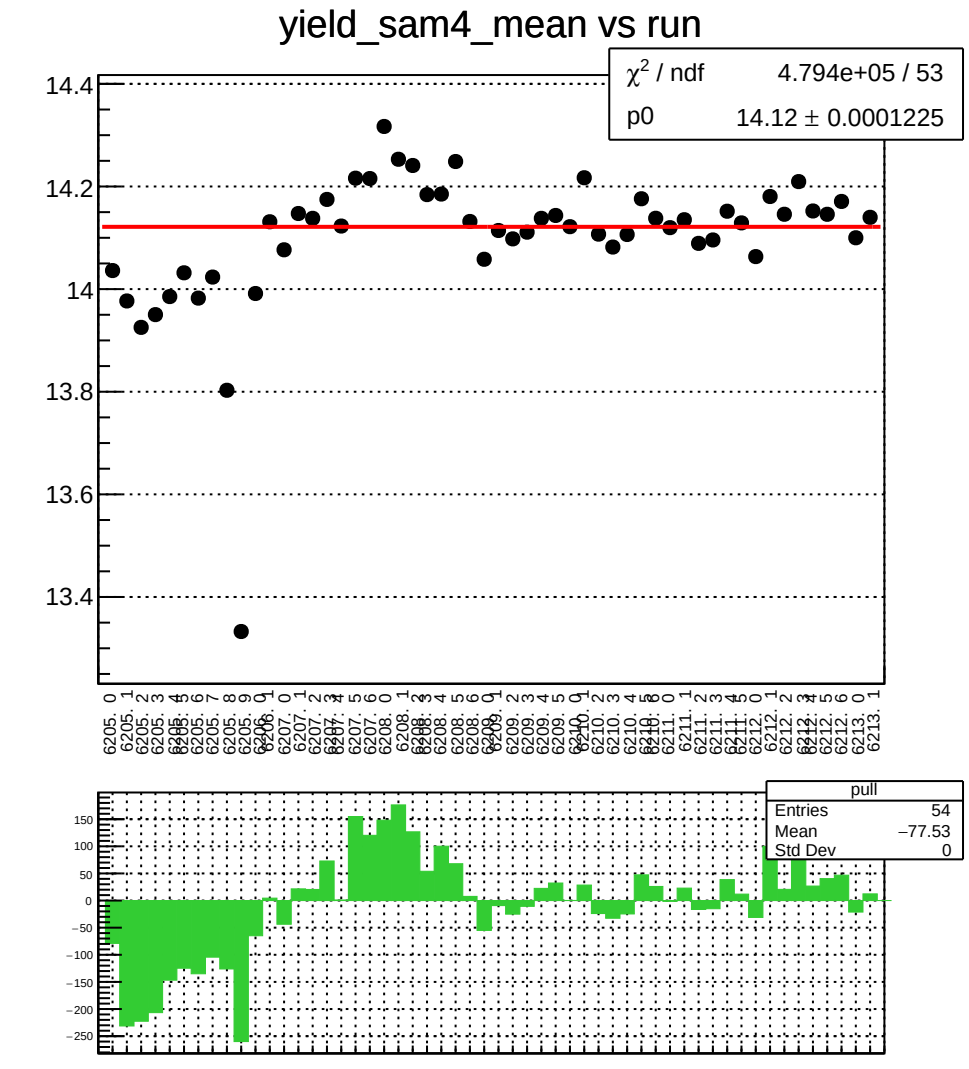

pull1D
Entries 54
Mean −0.06478
Std Dev 3.608
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

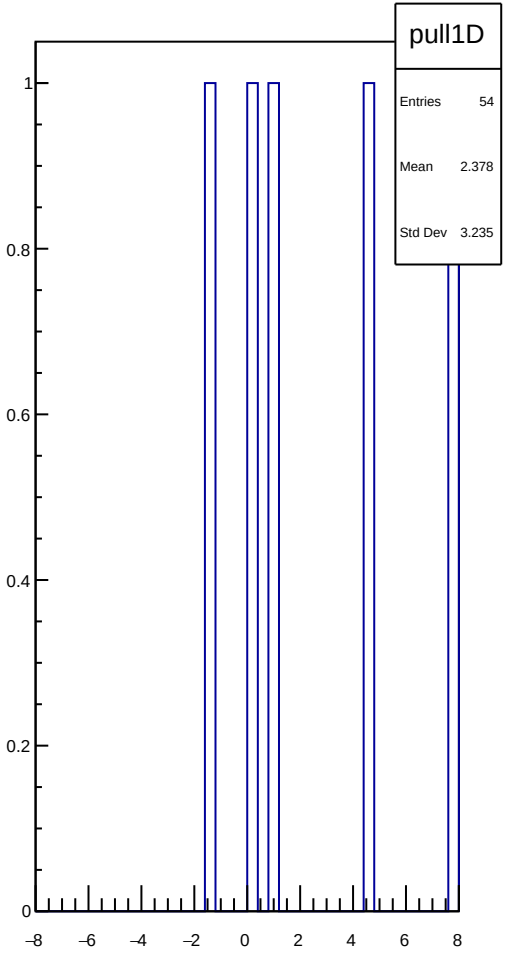

yield_sam2_rms vs run
χ² / ndf 1.591e+05 / 53
p0 0.1379 ± 0.0001453
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 1
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 1
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

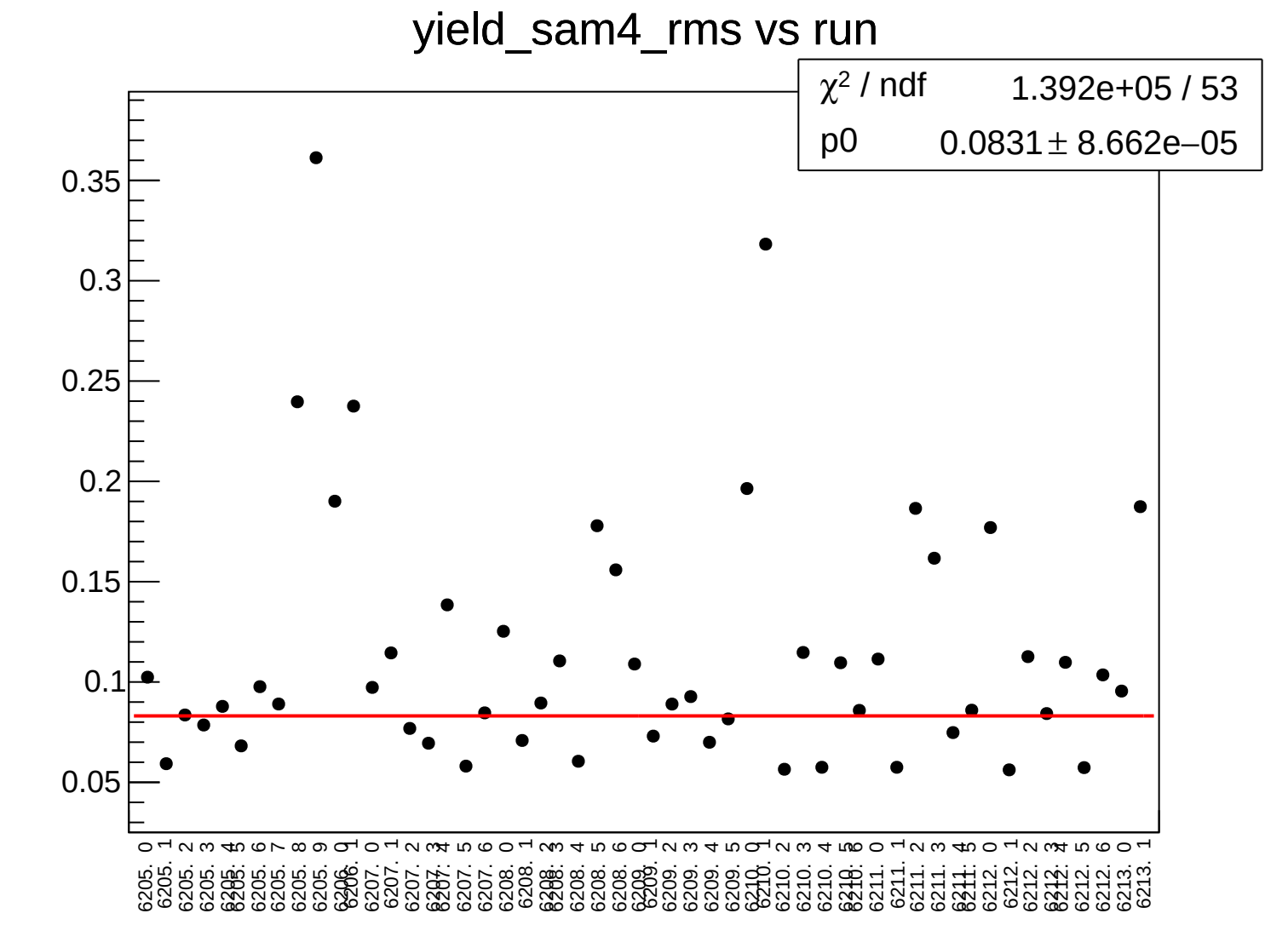

yield_sam3_mean vs run
χ² / ndf 3.127e+05 / 53
p0 30.69 ± 0.0001389
30.8
30.6
30.4
30.2
30
pull
Entries 54
Mean −74.19
Std Dev 0
200
150
100
50
0
−50
−100
−150
−200
−250

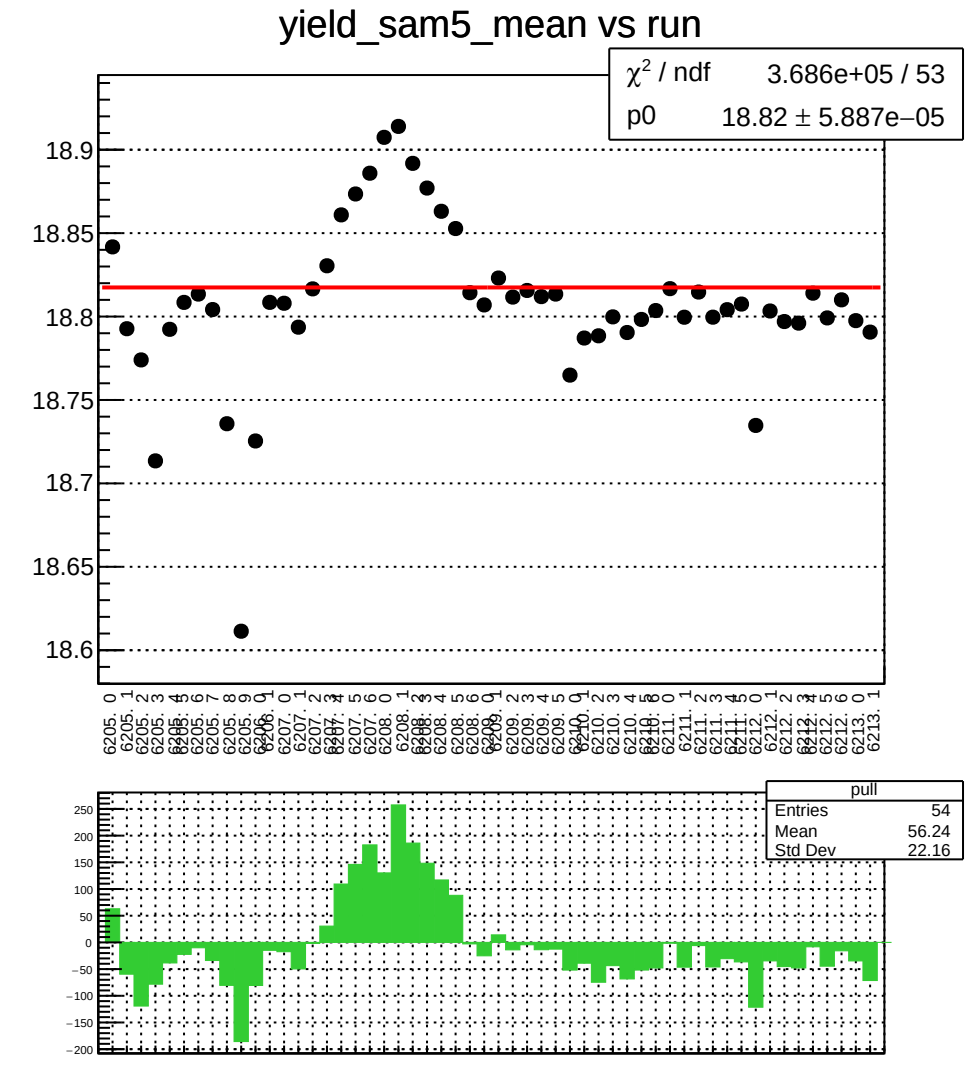

pull1D
Entries 54
Mean 0.4781
Std Dev 2.991
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

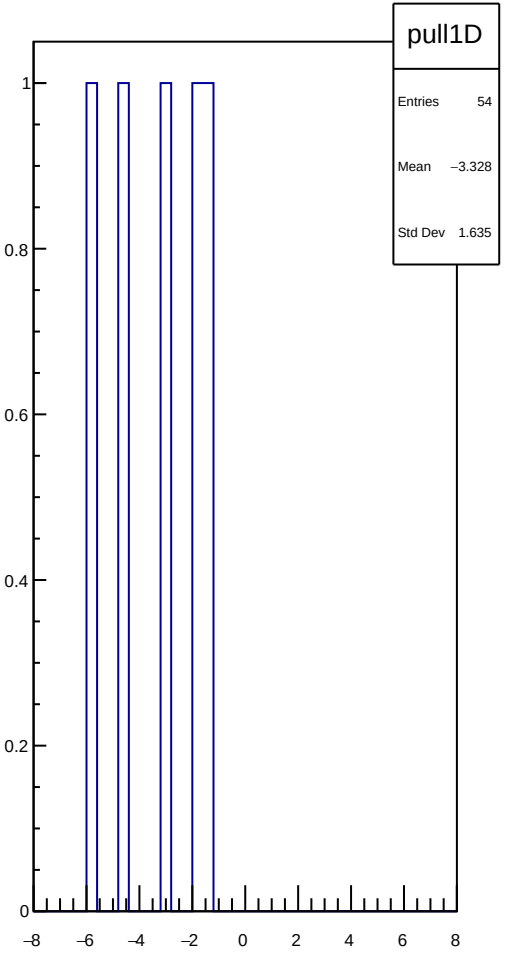

yield_sam3_rms vs run
χ² / ndf 2.344e+05 / 53
p0 0.08919 ± 9.819e−05
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

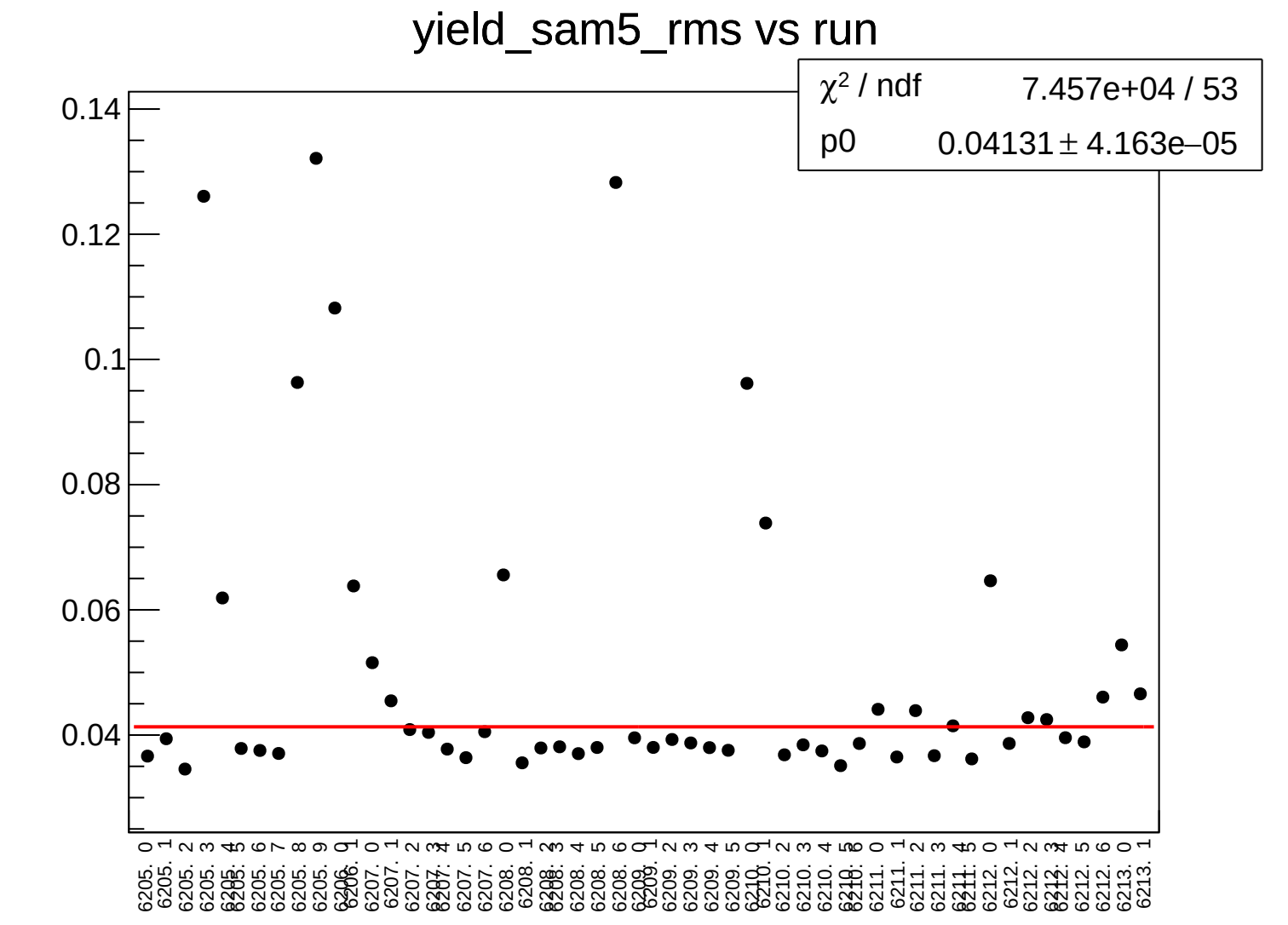

yield_sam4_mean vs run
χ² / ndf 4.794e+05 / 53
p0 14.12 ± 0.0001225
14.4
14.2
14
13.8
13.6
13.4
pull
Entries 54
Mean −77.53
Std Dev 0
150
100
50
0
−50
−100
−150
−200
−250

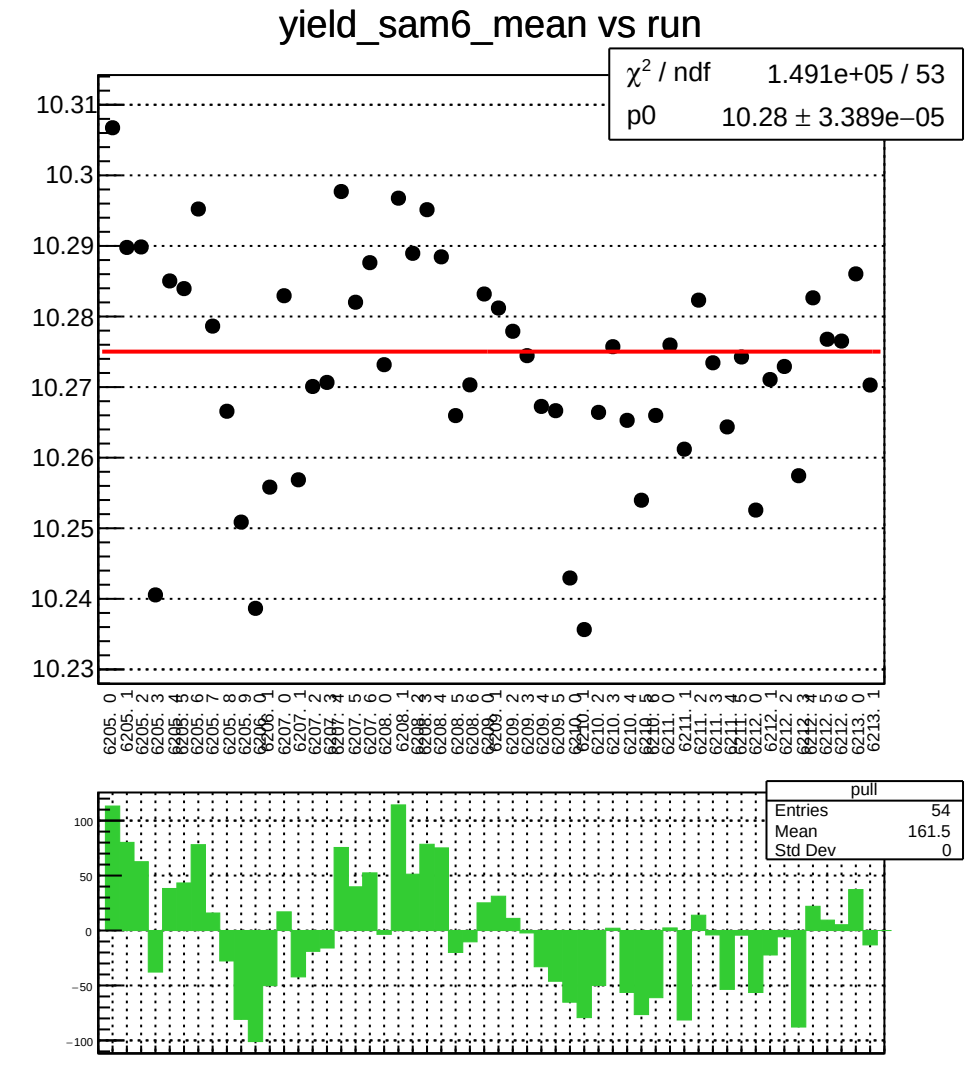

pull1D
Entries 54
Mean 2.378
Std Dev 3.235
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

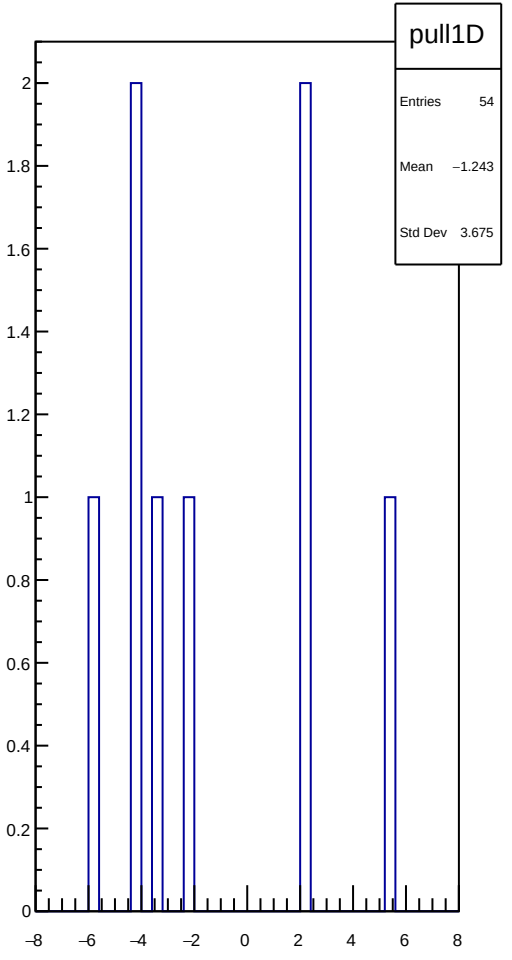

yield_sam4_rms vs run
χ² / ndf 1.392e+05 / 53
p0 0.0831 ± 8.662e−05
0.35
0.3
0.25
0.2
0.15
0.1
0.05
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

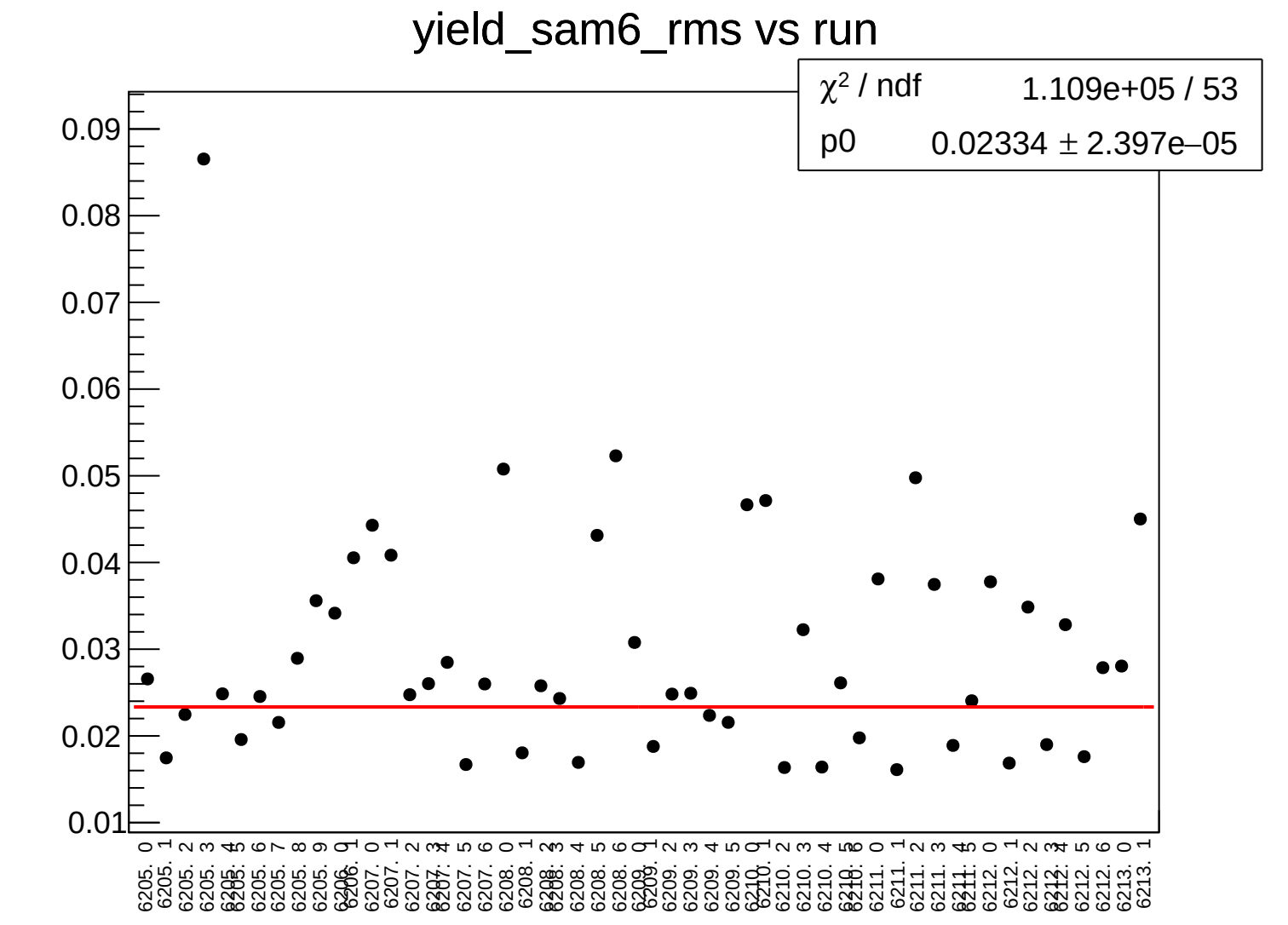

yield_sam5_mean vs run
χ² / ndf 3.686e+05 / 53
p0 18.82 ± 5.887e−05
18.9
18.85
18.8
18.75
18.7
18.65
18.6
pull
Entries 54
Mean 56.24
Std Dev 22.16
250
200
150
100
50
0
−50
−100
−150
−200

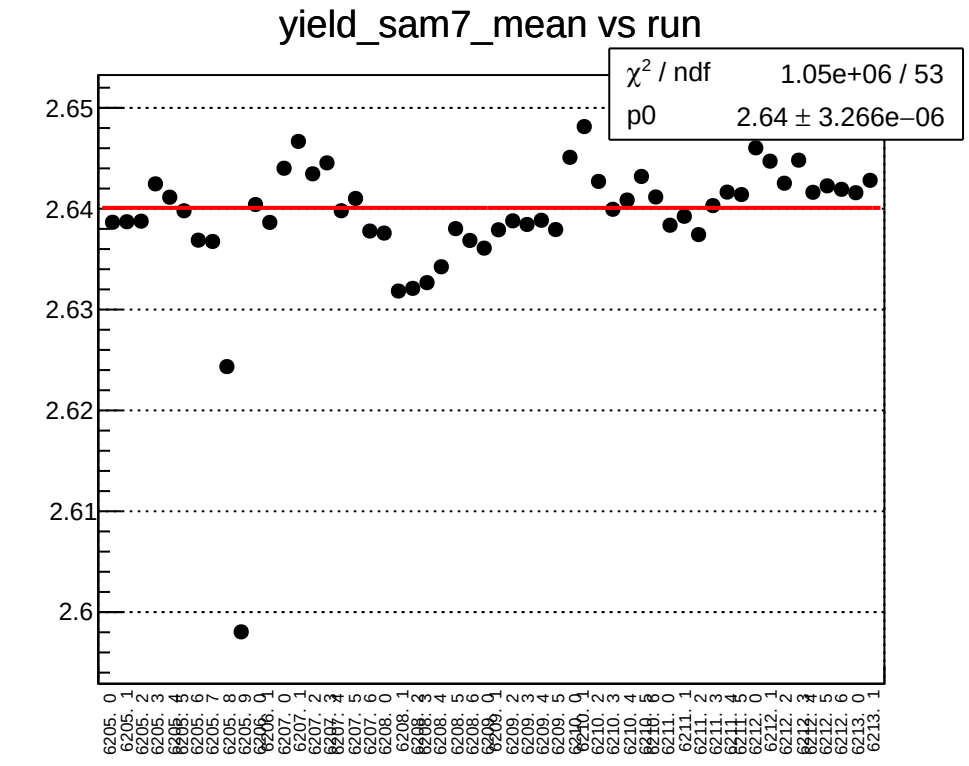

pull1D
Entries 54
Mean −3.328
Std Dev 1.635
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

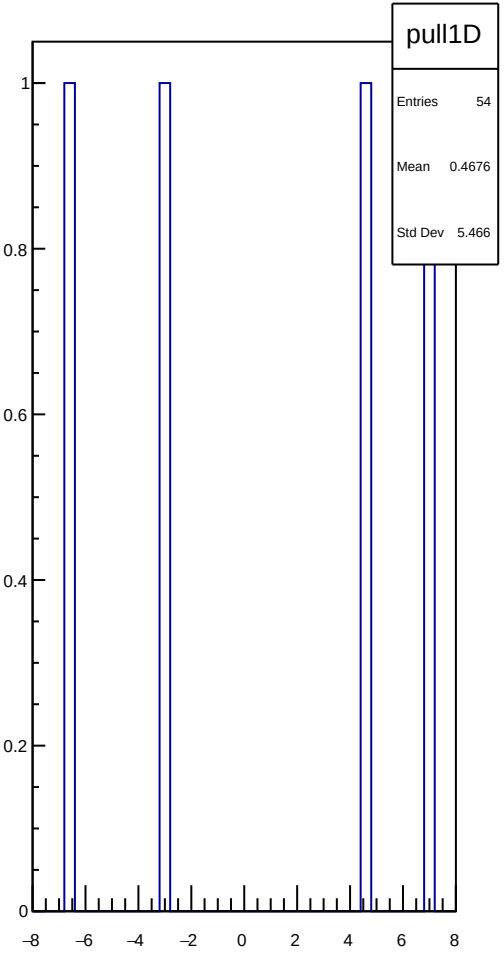

yield_sam5_rms vs run
χ² / ndf 7.457e+04 / 53
p0 0.04131 ± 4.163e–05
0.14
0.12
0.1
0.08
0.06
0.04

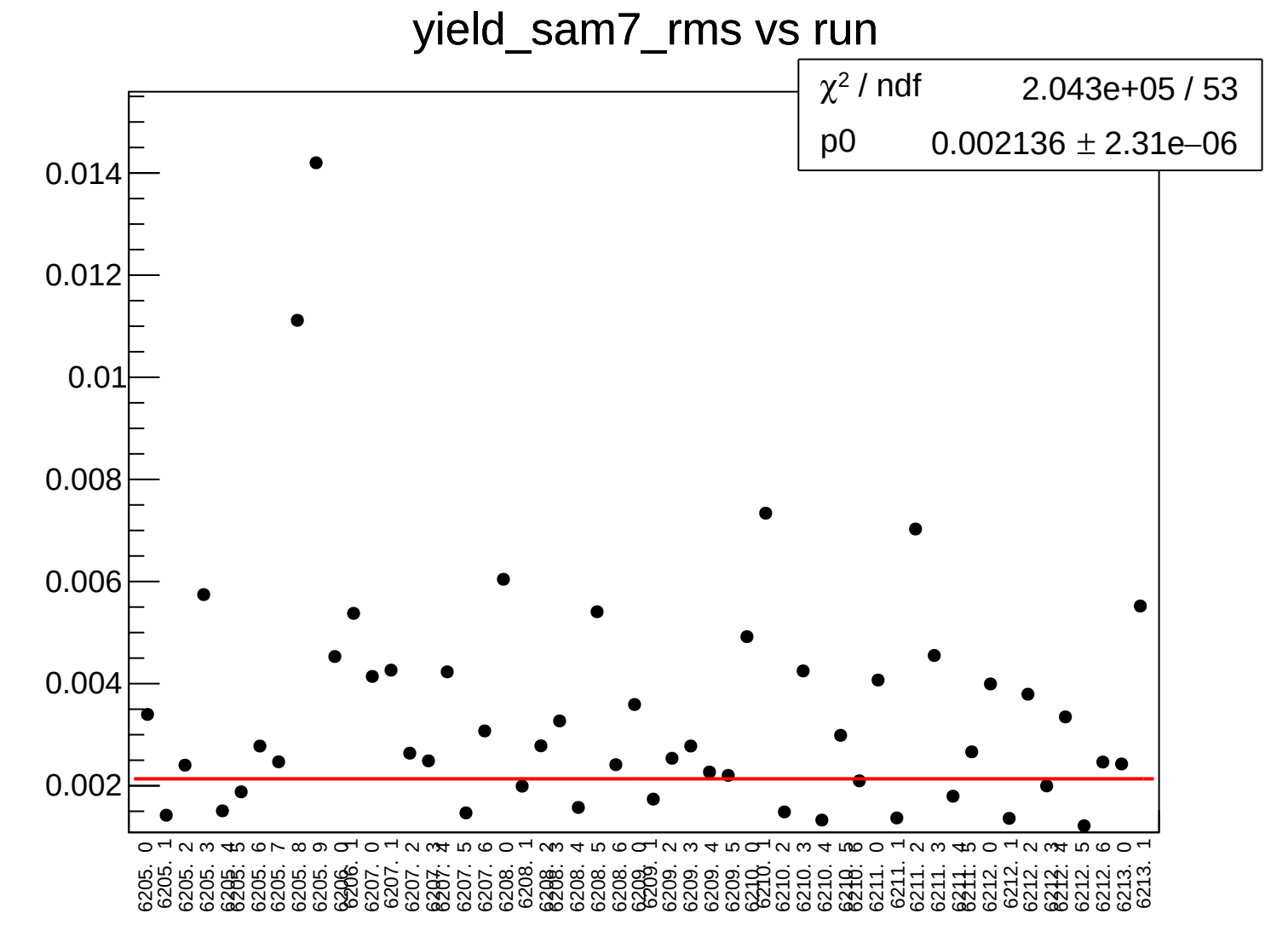

yield_sam6_mean vs run
χ² / ndf 1.491e+05 / 53
p0 10.28 ± 3.389e−05
10.31
10.3
10.29
10.28
10.27
10.26
10.25
10.24
10.23
pull
Entries 54
Mean 161.5
Std Dev 0
100
50
0
−50
−100

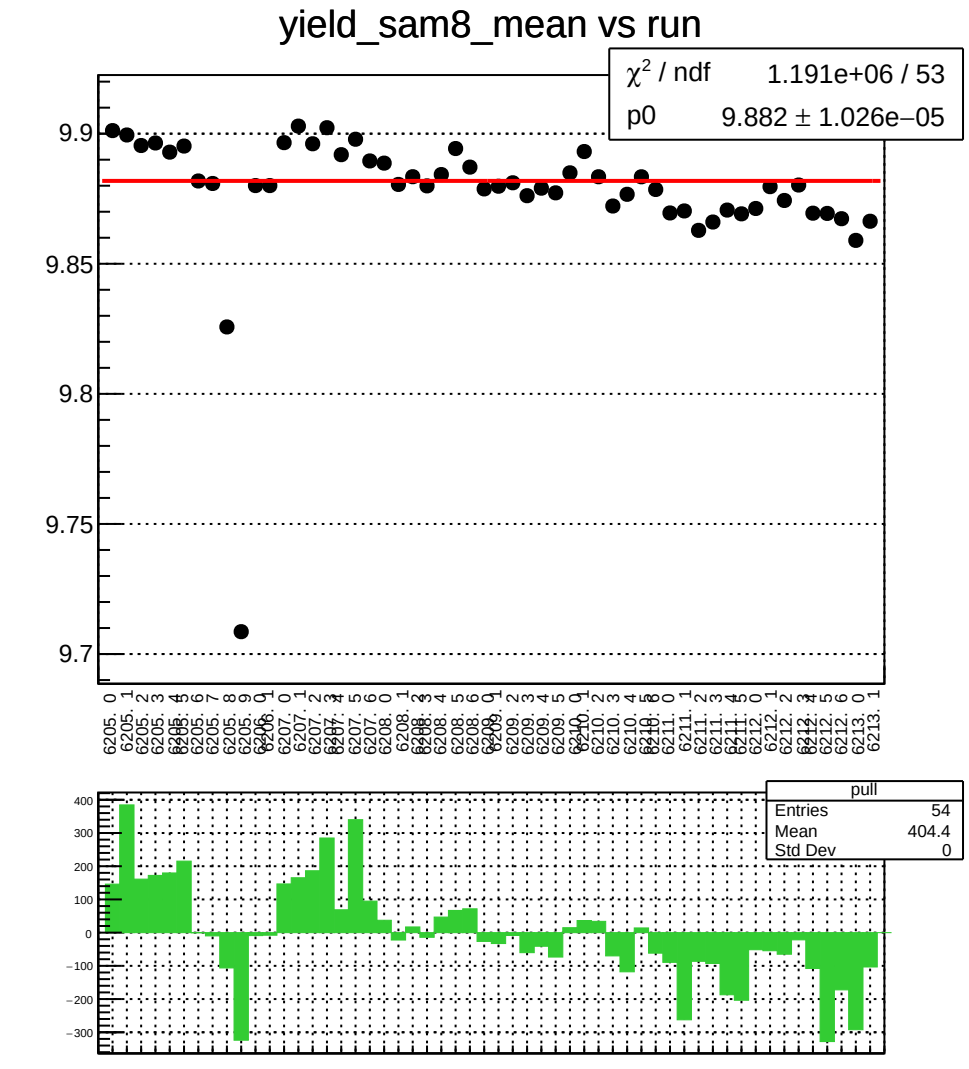

pull1D
Entries 54
Mean −1.243
Std Dev 3.675
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

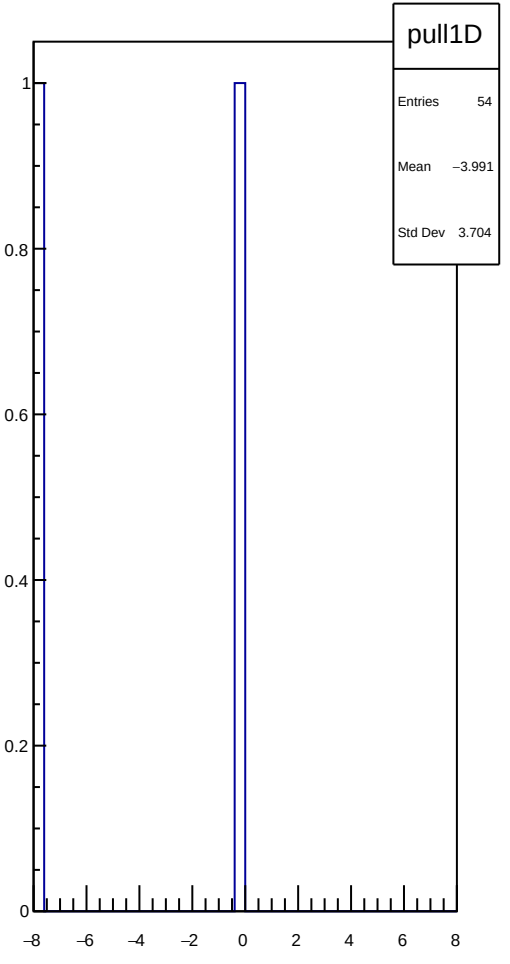

yield_sam6_rms vs run
χ² / ndf 1.109e+05 / 53
p0 0.02334 ± 2.397e–05
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

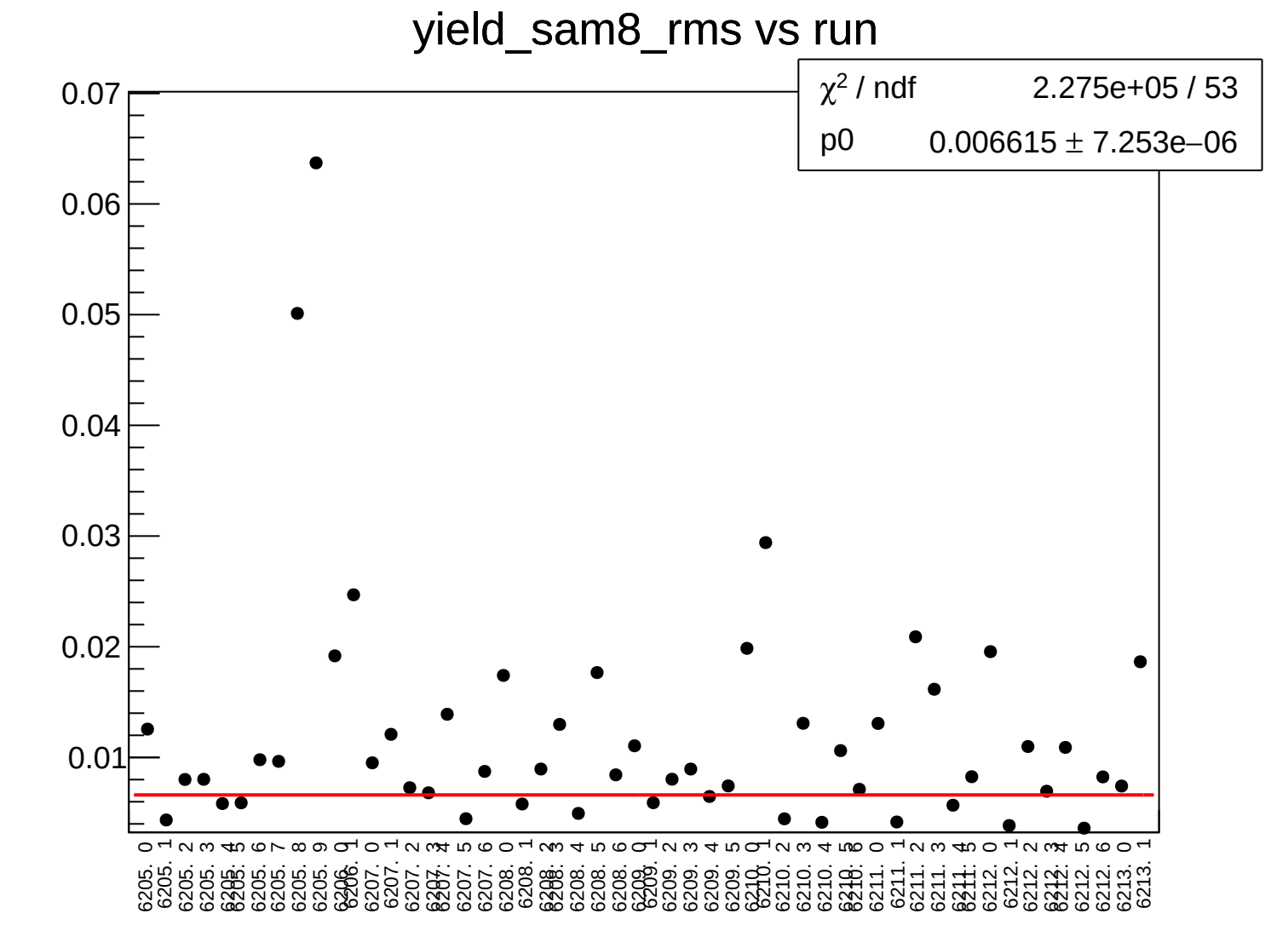

yield_sam7_mean vs run
χ² / ndf 1.05e+06 / 53
p0 2.64 ± 3.266e−06
2.65
2.64
2.63
2.62
2.61
2.6
pull
Entries 54
Mean −59.58
Std Dev 0
300
200
100
0
−100
−200
−300
−400

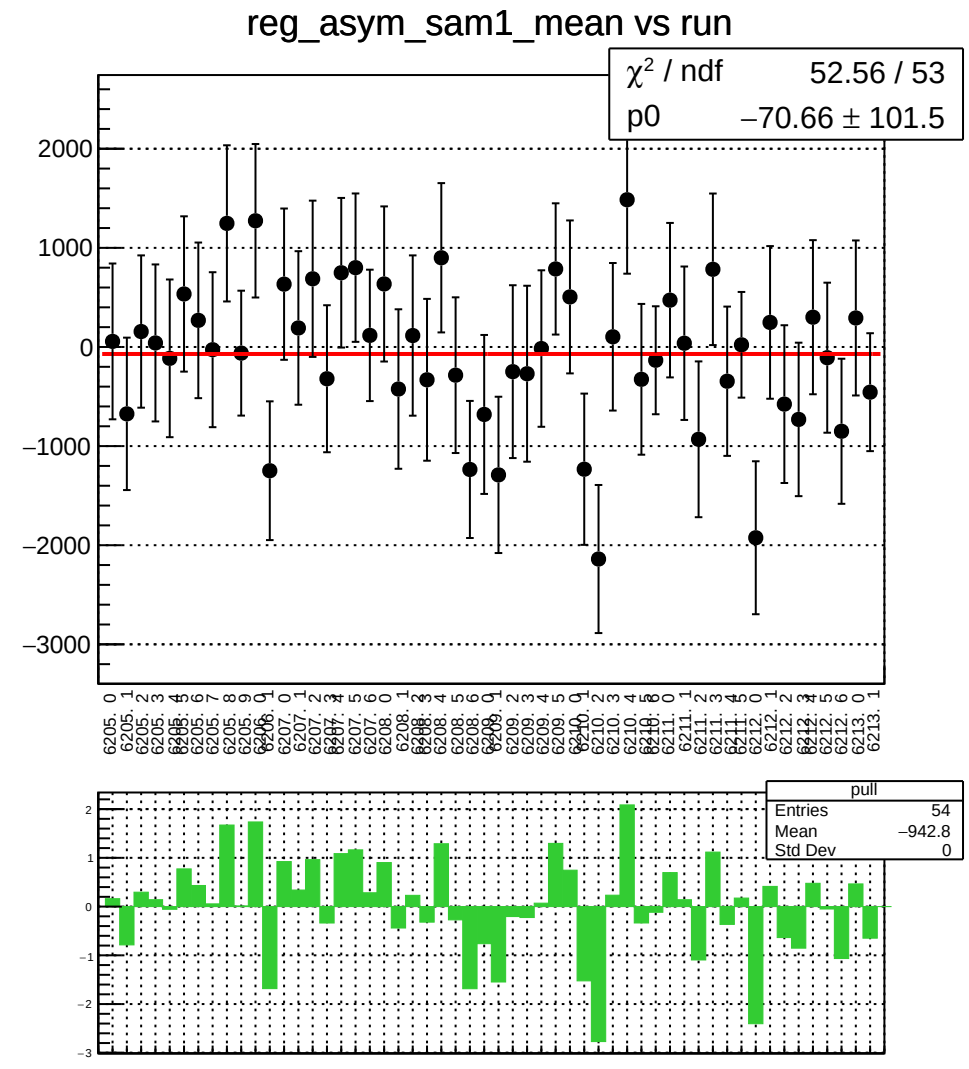

pull1D
Entries 54
Mean 0.4676
Std Dev 5.466
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

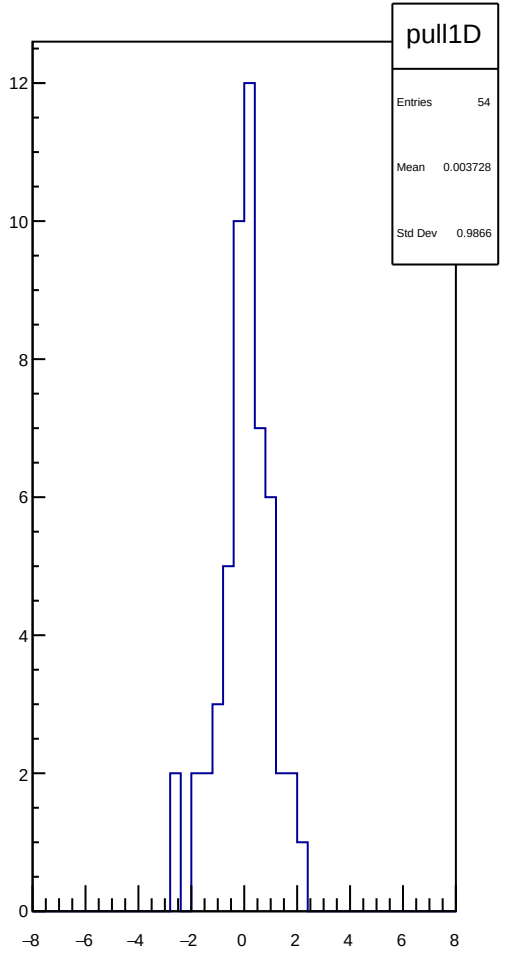

yield_sam7_rms vs run
χ² / ndf 2.043e+05 / 53
p0 0.002136 ± 2.31e−06
0.014
0.012
0.01
0.008
0.006
0.004
0.002
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

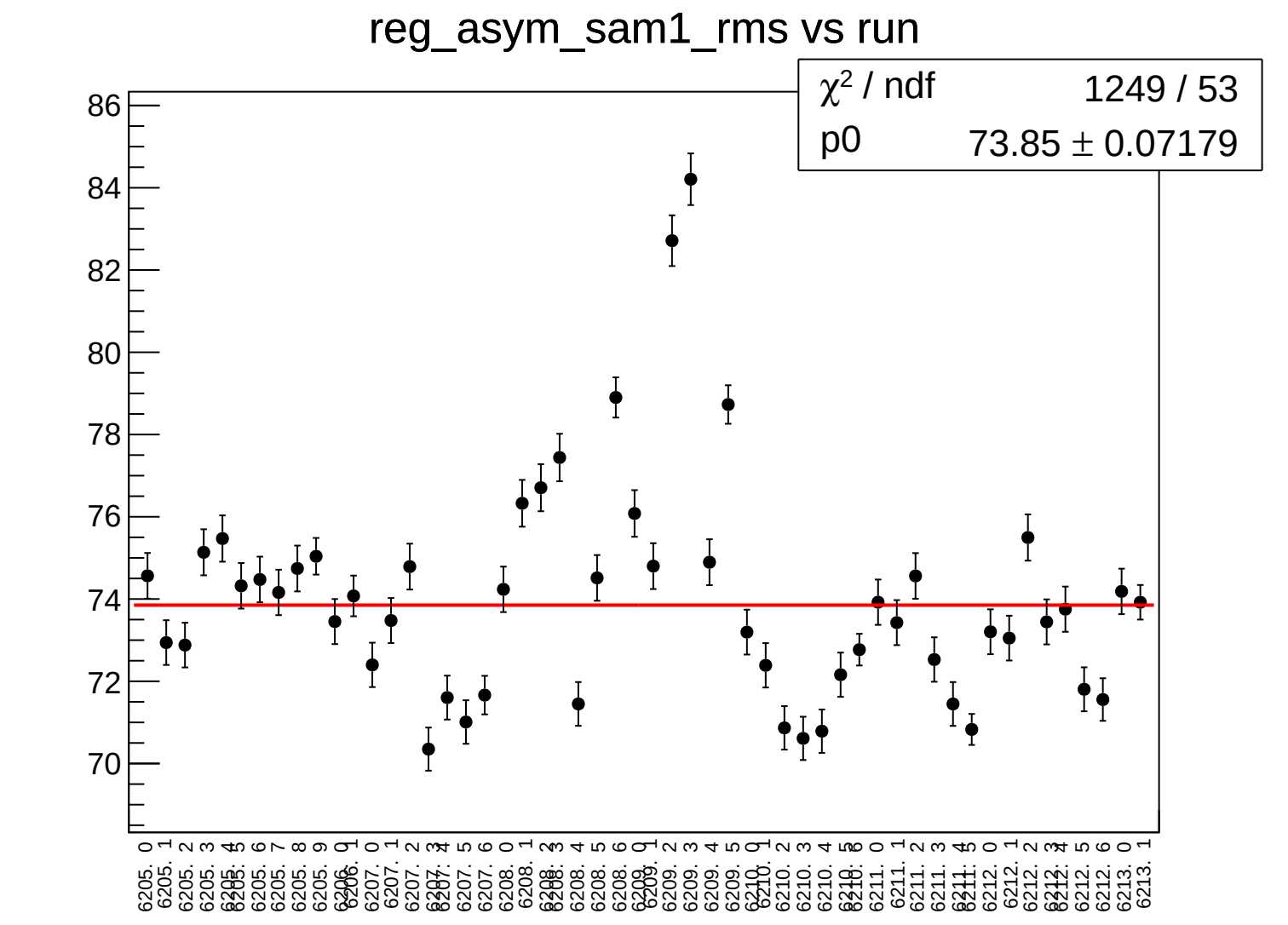

yield_sam8_mean vs run
χ² / ndf 1.191e+06 / 53
p0 9.882 ± 1.026e−05
9.9
9.85
9.8
9.75
9.7
pull
Entries 54
Mean 404.4
Std Dev 0
400
300
200
100
0
−100
−200
−300


pull1D
Entries 54
Mean −3.991
Std Dev 3.704
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


yield_sam8_rms vs run
χ² / ndf 2.275e+05 / 53
p0 0.006615 ± 7.253e−06
0.07
0.06
0.05
0.04
0.03
0.02
0.01


reg_asym_sam1_mean vs run
χ² / ndf 52.56 / 53
p0 −70.66 ± 101.5
2000
1000
0
−1000
−2000
−3000
pull
Entries 54
Mean −942.8
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 54
Mean 0.003728
Std Dev 0.9866
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_sam1_rms vs run
χ^2 / ndf 1249 / 53
p0 73.85 ± 0.07179
86
84
82
80
78
76
74
72
70
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
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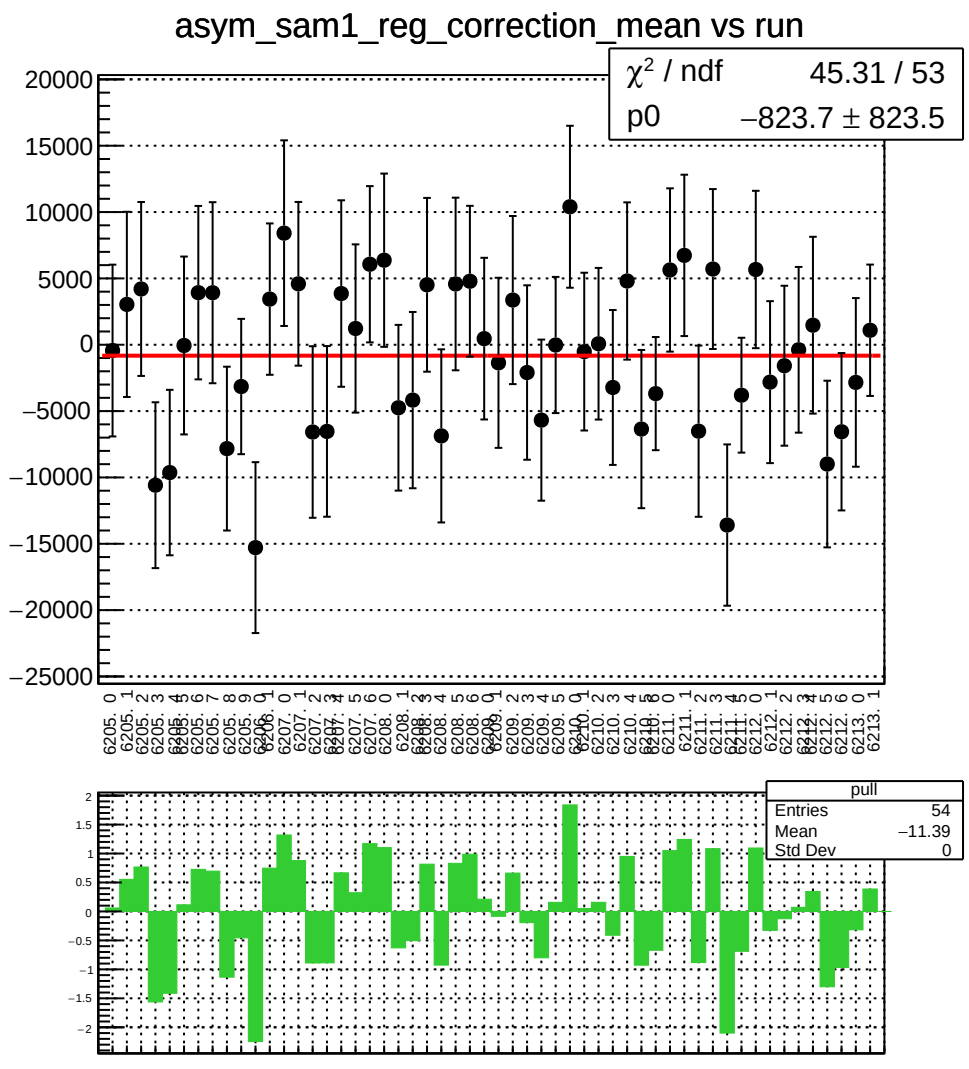
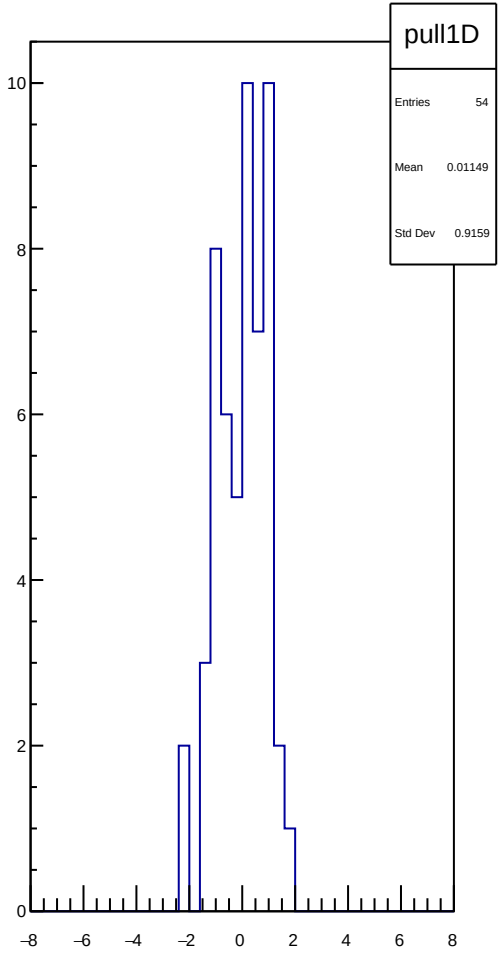
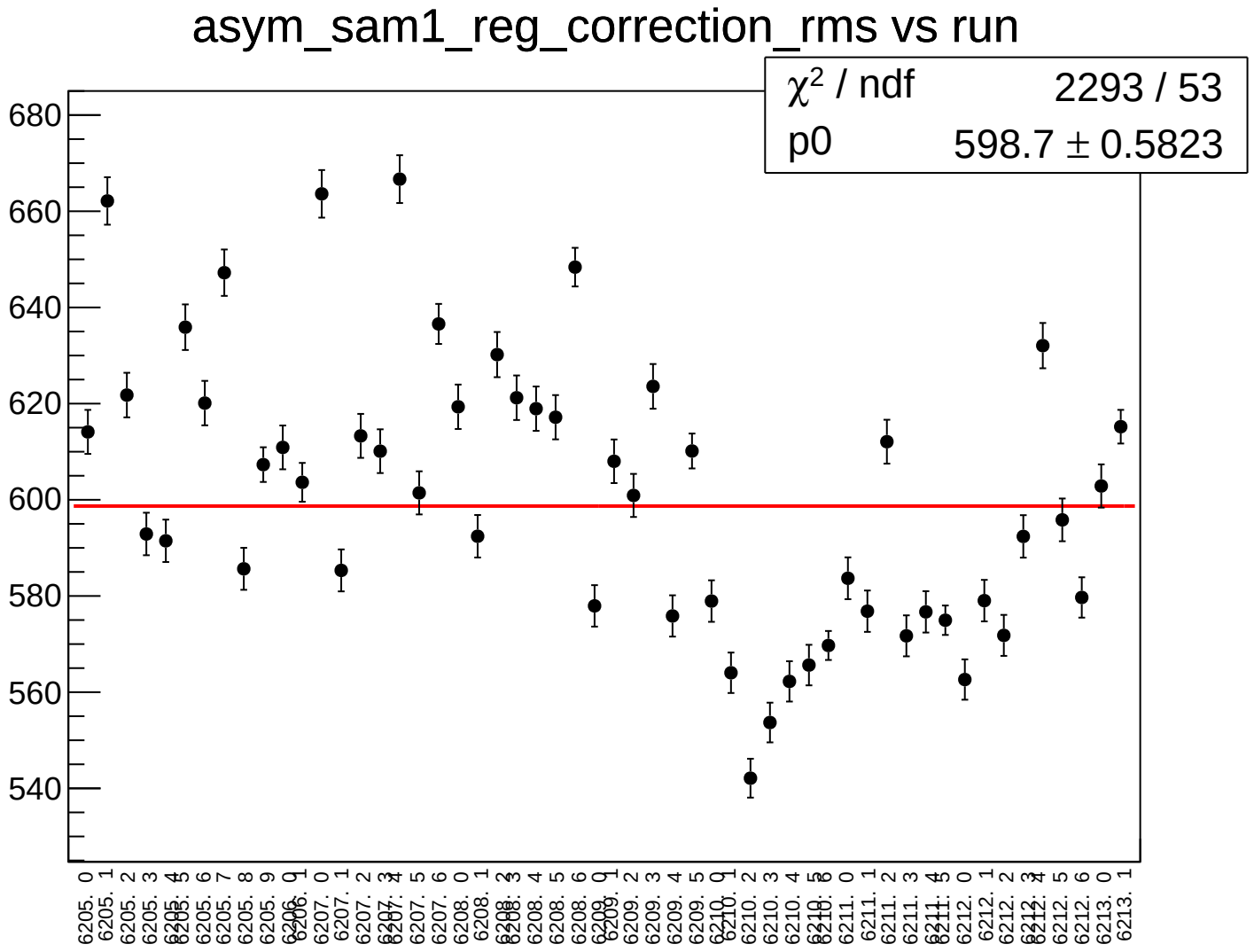
6212. 6
6213. 0
6213. 1


asym_sam1_reg_correction_mean vs run
χ² / ndf 45.31 / 53
p0 −823.7 ± 823.5
pull
Entries 54
Mean −11.39
Std Dev 0


pull1D
Entries 54
Mean 0.01149
Std Dev 0.9159


asym_sam1_reg_correction_rms vs run
χ² / ndf 2293 / 53
p0 598.7 ± 0.5823
680
660
640
620
600
580
560
540
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
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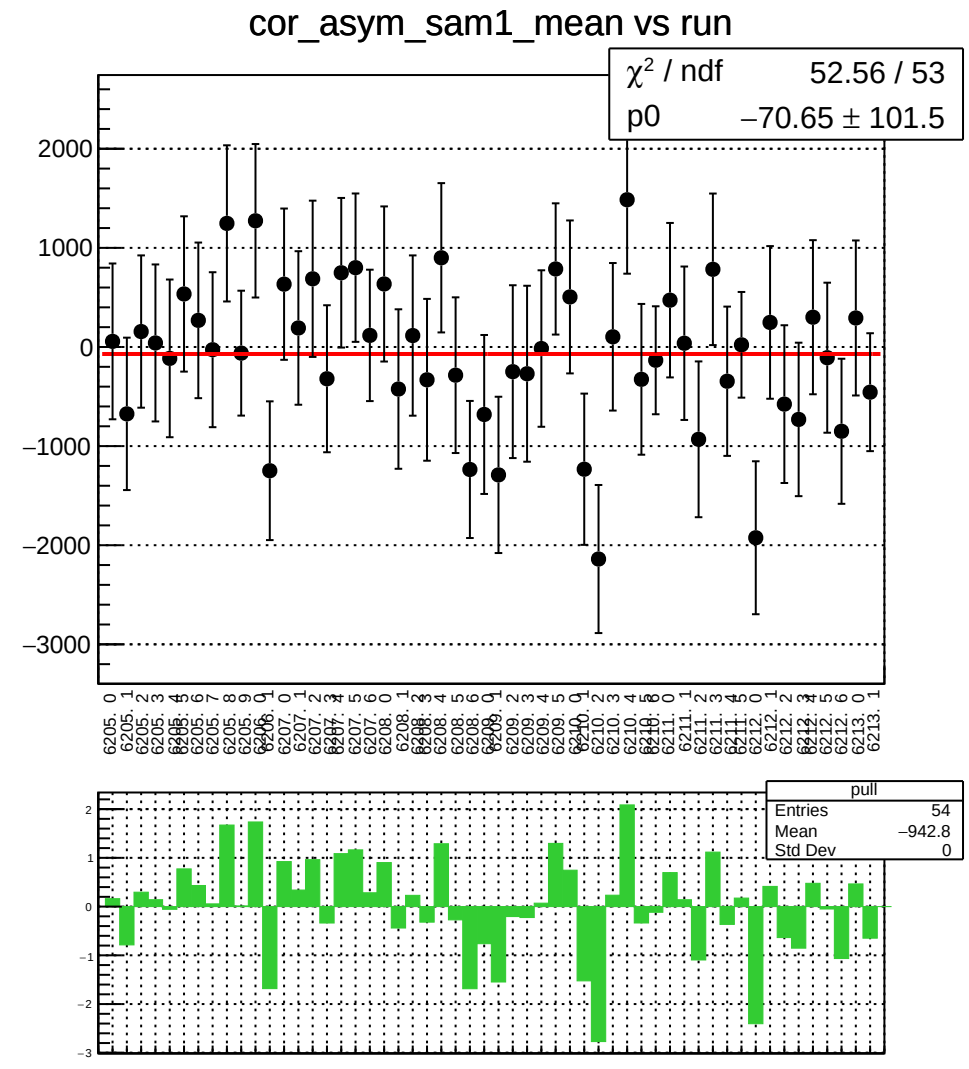
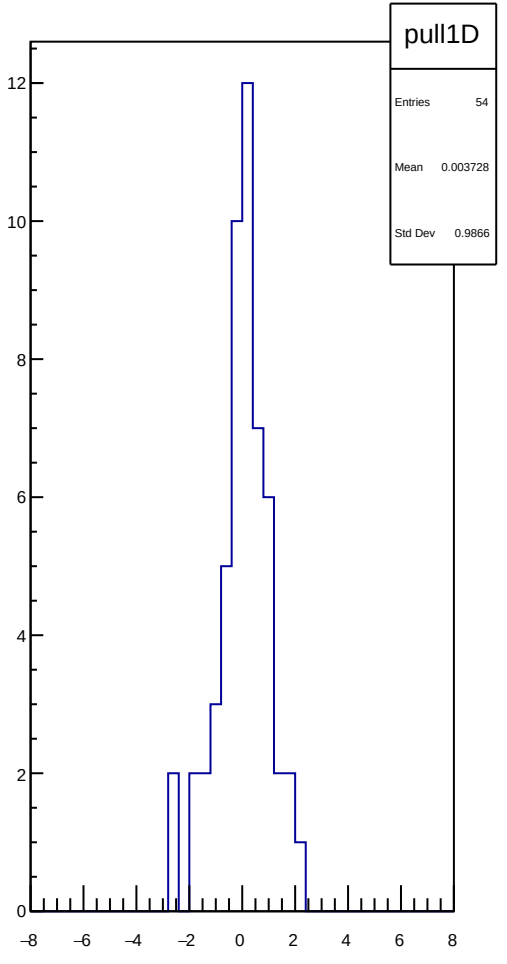
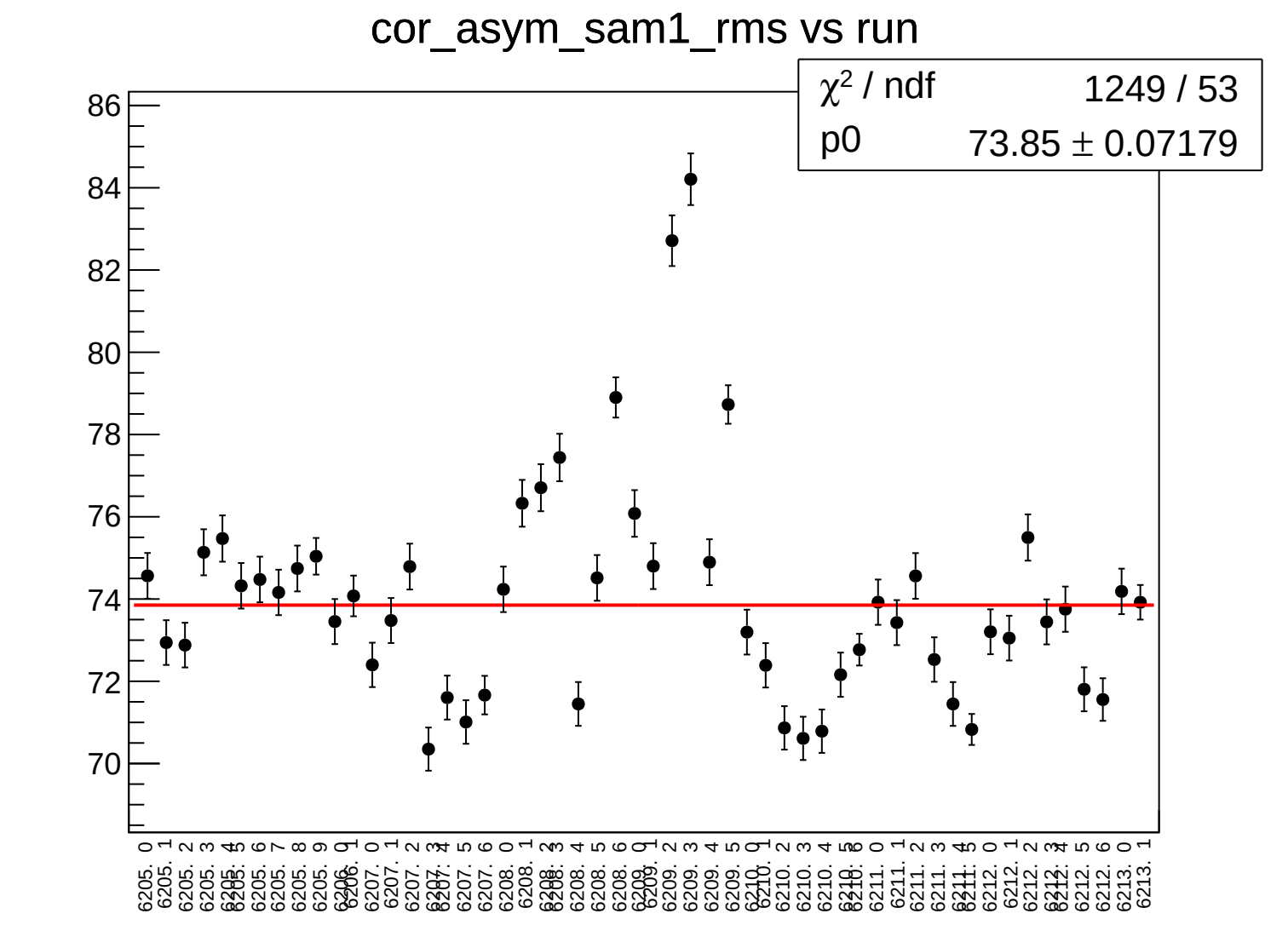
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


cor_asym_sam1_mean vs run
χ² / ndf 52.56 / 53
p0 −70.65 ± 101.5
2000
1000
0
−1000
−2000
−3000
pull
Entries 54
Mean −942.8
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 54
Mean 0.003728
Std Dev 0.9866
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_sam1_rms vs run
χ^2 / ndf 1249 / 53
p0 73.85 ± 0.07179
86
84
82
80
78
76
74
72
70
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
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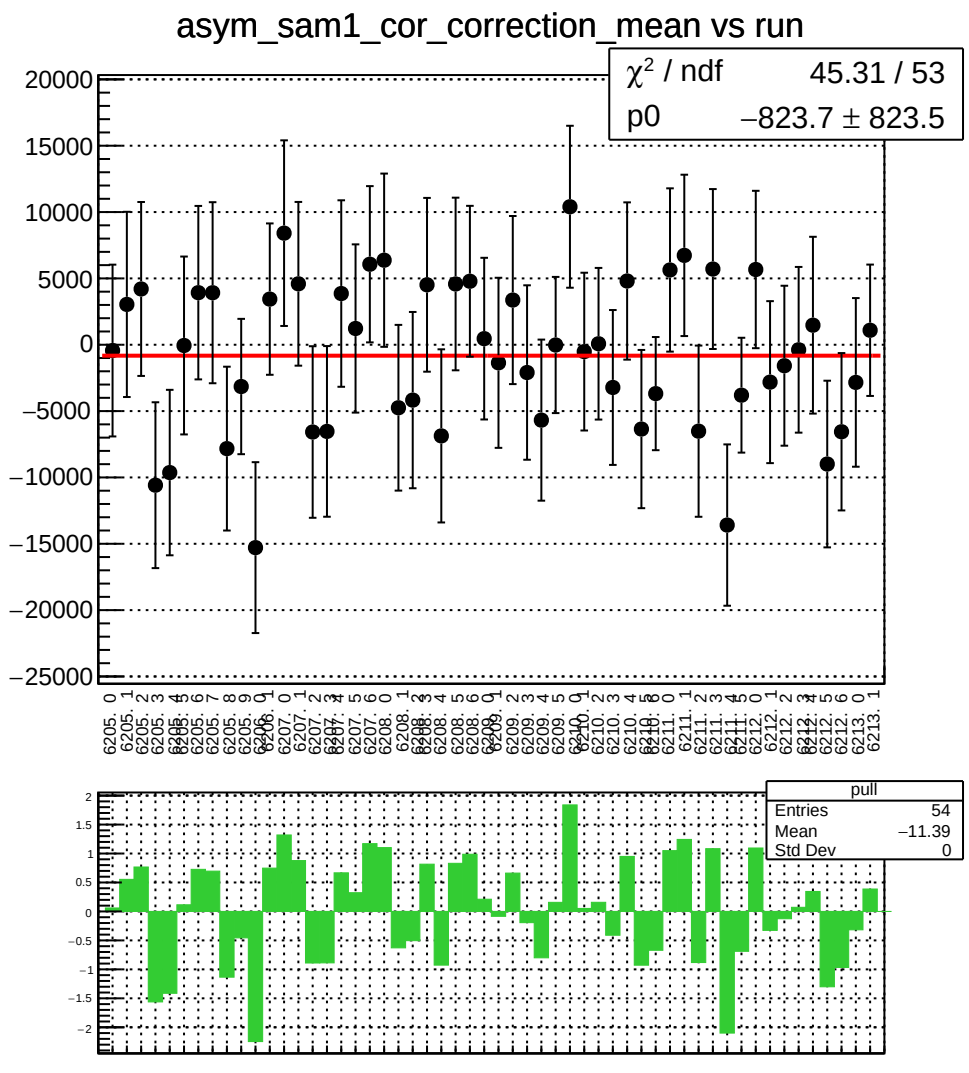
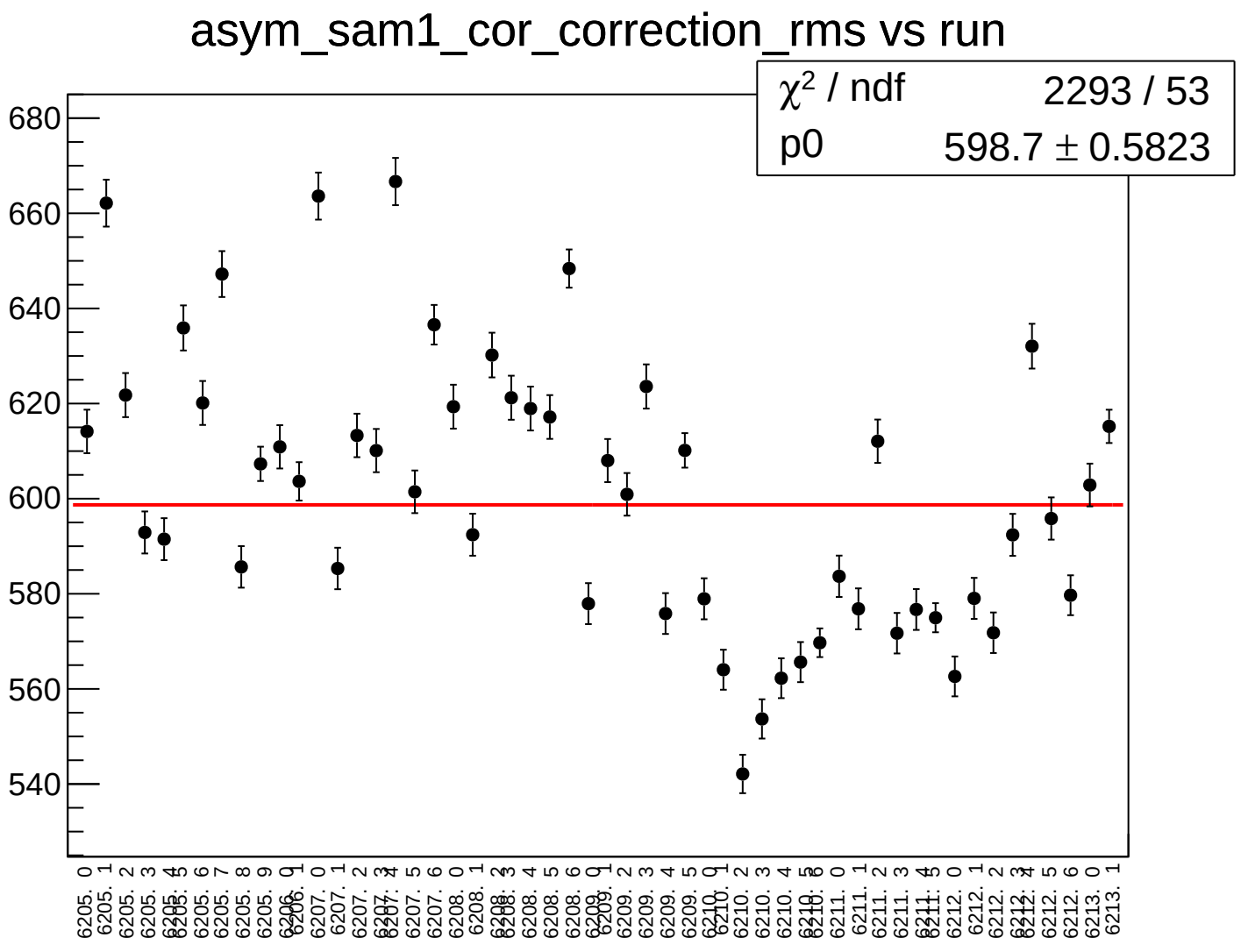
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_sam1_cor_correction_mean vs run
χ² / ndf 45.31 / 53
p0 −823.7 ± 823.5
pull
Entries 54
Mean −11.39
Std Dev 0
pull1D
Entries 54
Mean 0.01149
Std Dev 0.9159


asym_sam1_cor_correction_rms vs run
χ² / ndf 2293 / 53
p0 598.7 ± 0.5823
680
660
640
620
600
580
560
540
6205. 0
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6205. 2
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6205. 5
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6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
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6207. 6
6208. 0
6208. 1
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6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
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6210. 4
6210. 5
6210. 6
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6211. 2
6211. 3
6211. 4
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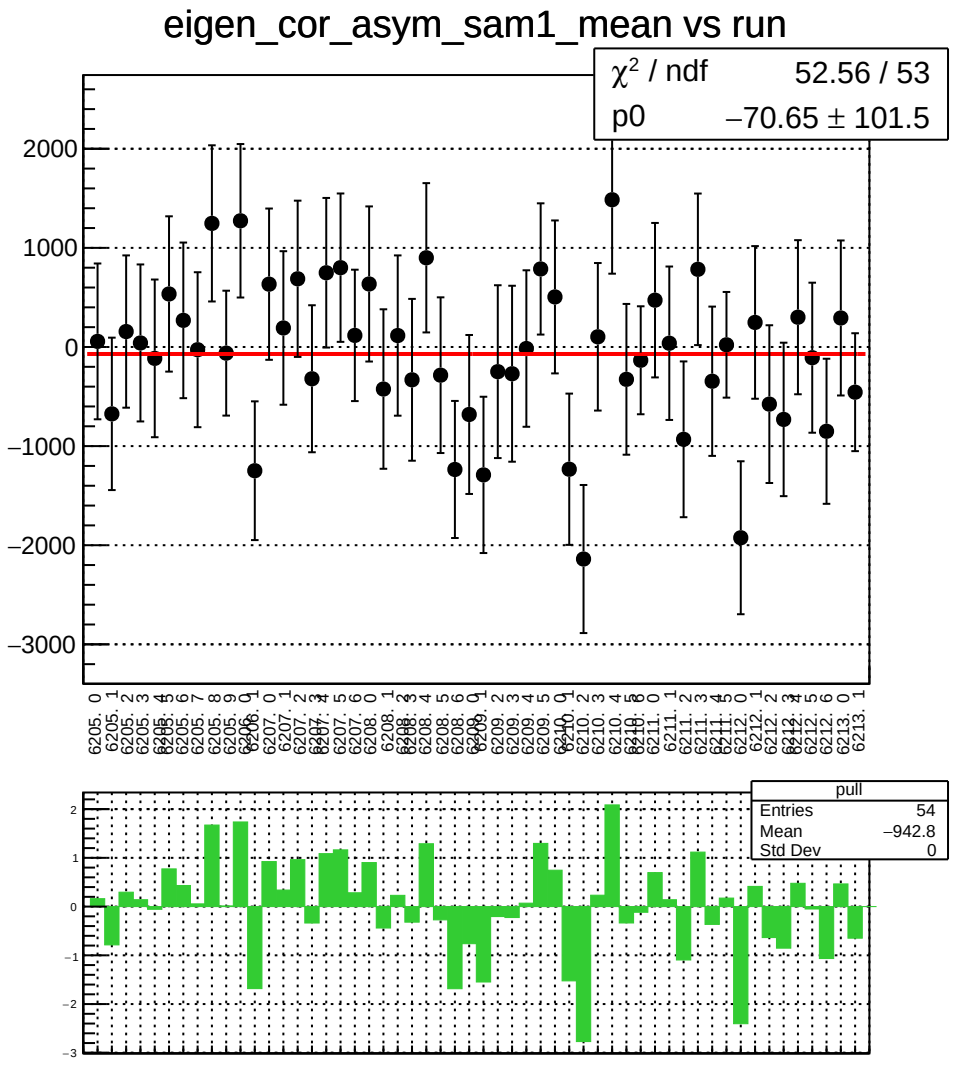
6212. 6
6213. 0
6213. 1


eigen_cor_asym_sam1_mean vs run
χ² / ndf 52.56 / 53
p0 −70.65 ± 101.5
2000
1000
0
−1000
−2000
−3000
pull
Entries 54
Mean −942.8
Std Dev 0
2
1
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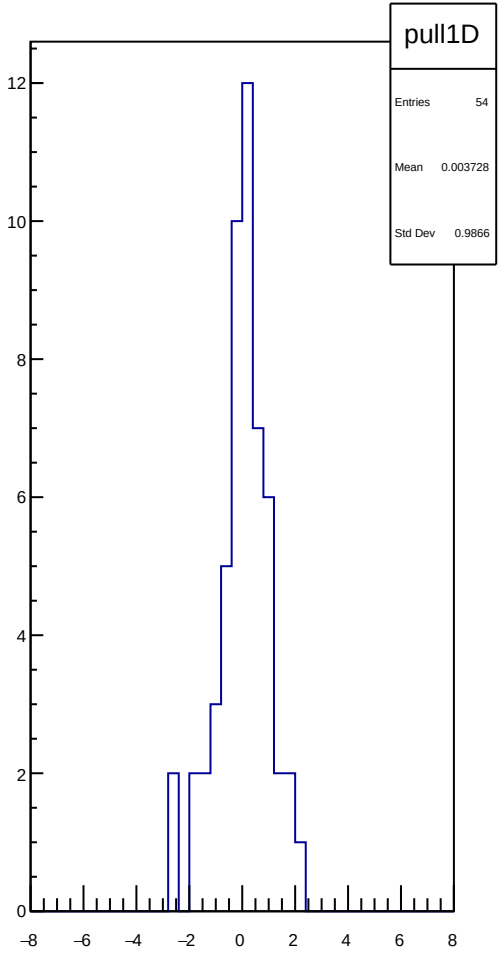
−1
−2
−3


pull1D
Entries 54
Mean 0.003728
Std Dev 0.9866
12
10
8
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2
0
−8
−6
−4
−2
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2
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6
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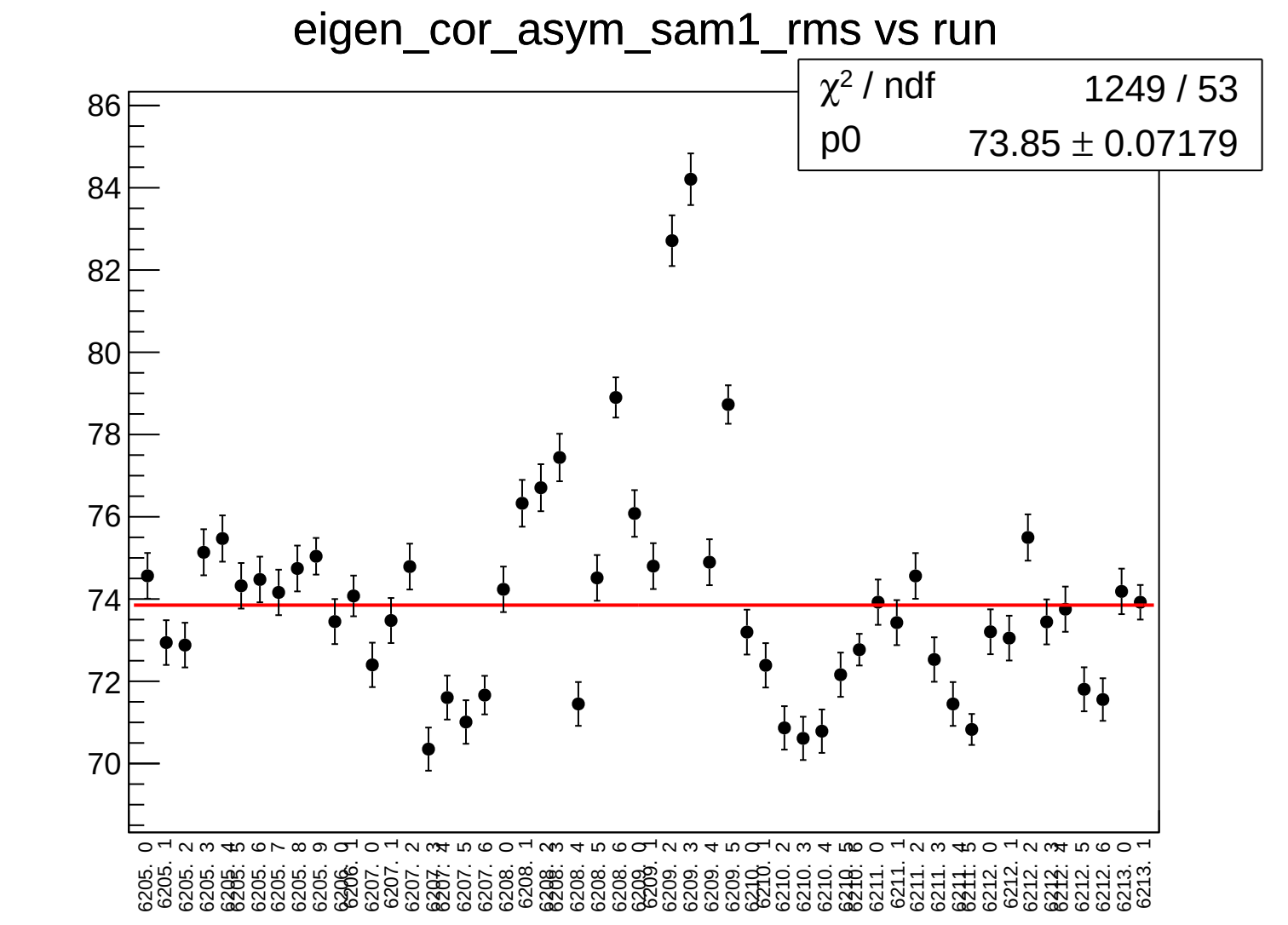
eigen_cor_asym_sam1_rms vs run
χ² / ndf 1249 / 53
p0 73.85 ± 0.07179
86
84
82
80
78
76
74
72
70
6205. 0
6205. 1
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6205. 3
6205. 4
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6205. 6
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6205. 9
6206. 0
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6207. 1
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6207. 3
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6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
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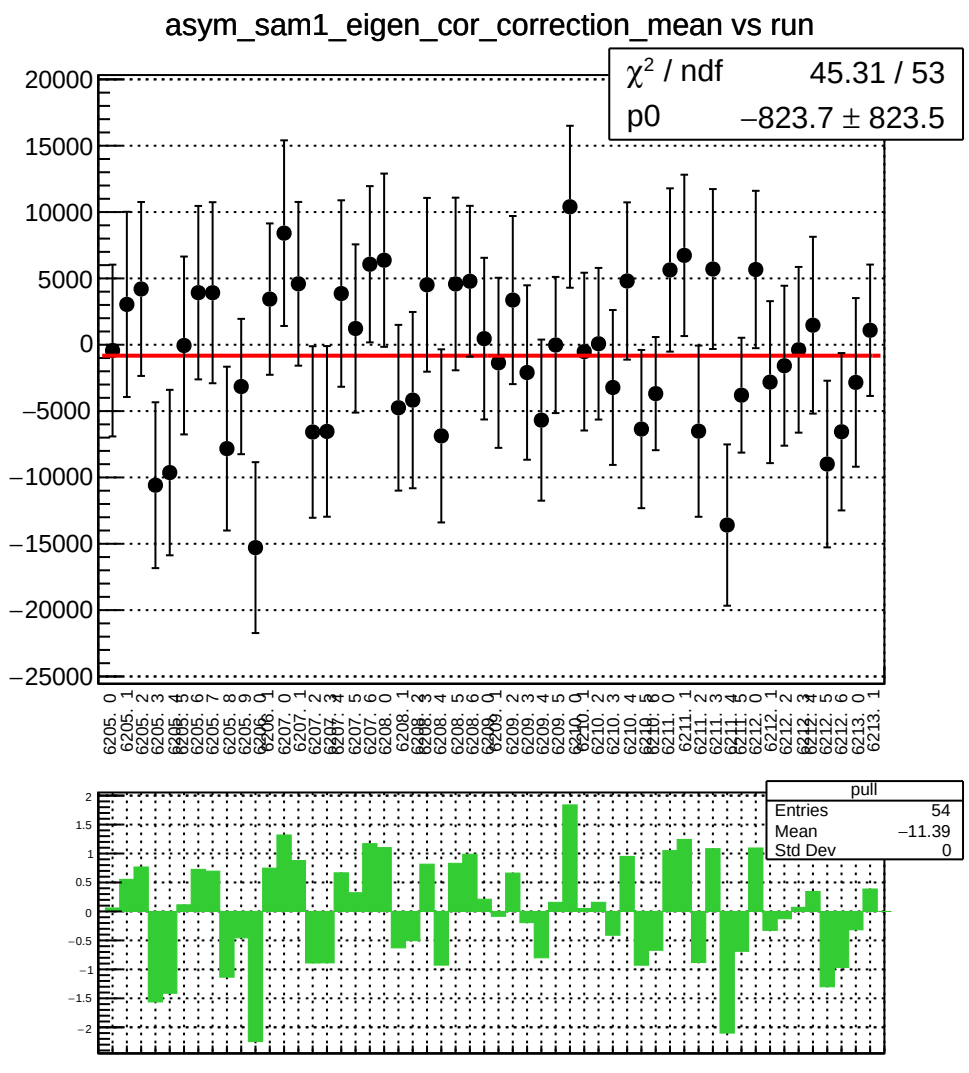
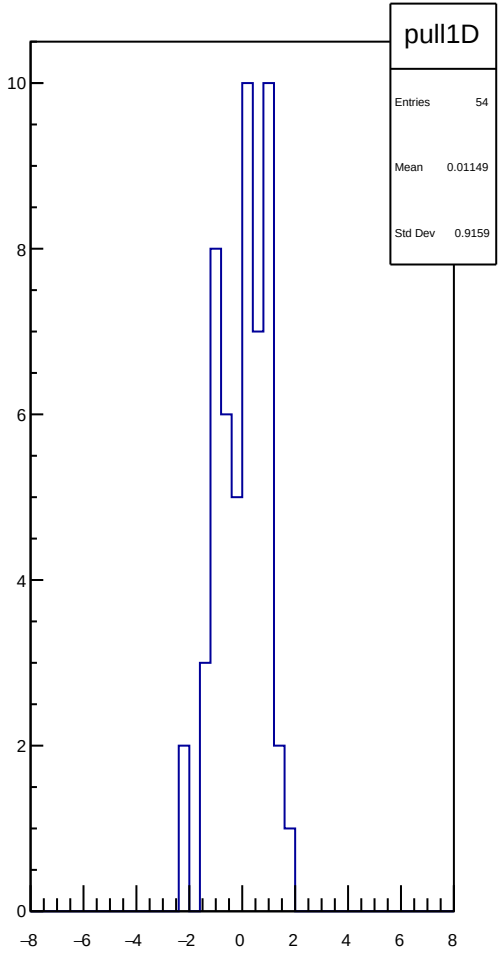
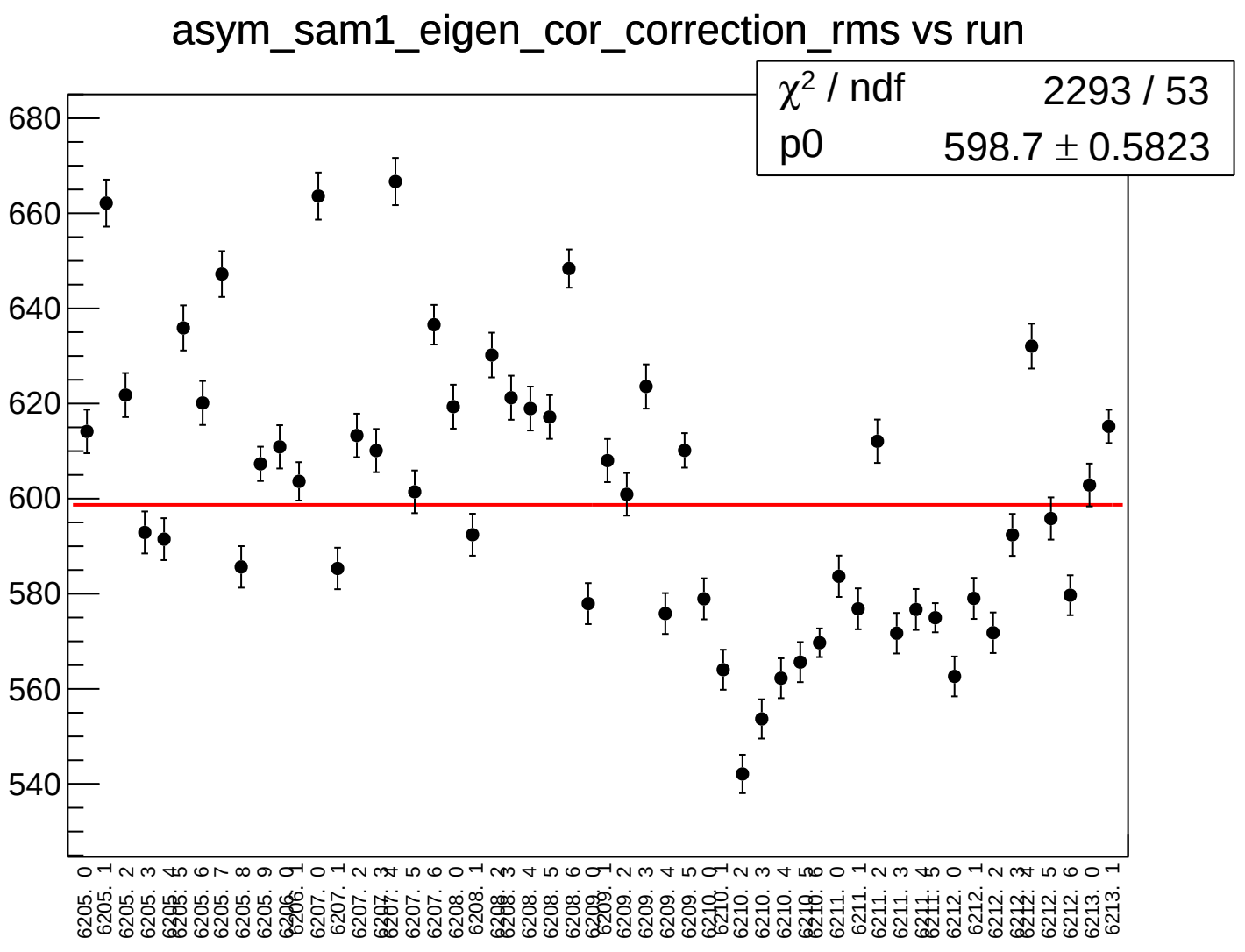
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_sam1_eigen_cor_correction_mean vs run
χ² / ndf 45.31 / 53
p0 −823.7 ± 823.5
pull
Entries 54
Mean −11.39
Std Dev 0


pull1D
Entries 54
Mean 0.01149
Std Dev 0.9159


asym_sam1_eigen_cor_correction_rms vs run
χ² / ndf 2293 / 53
p0 598.7 ± 0.5823
680
660
640
620
600
580
560
540
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
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6208. 6
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6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
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6210. 2
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6210. 4
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6211. 4
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6212. 6
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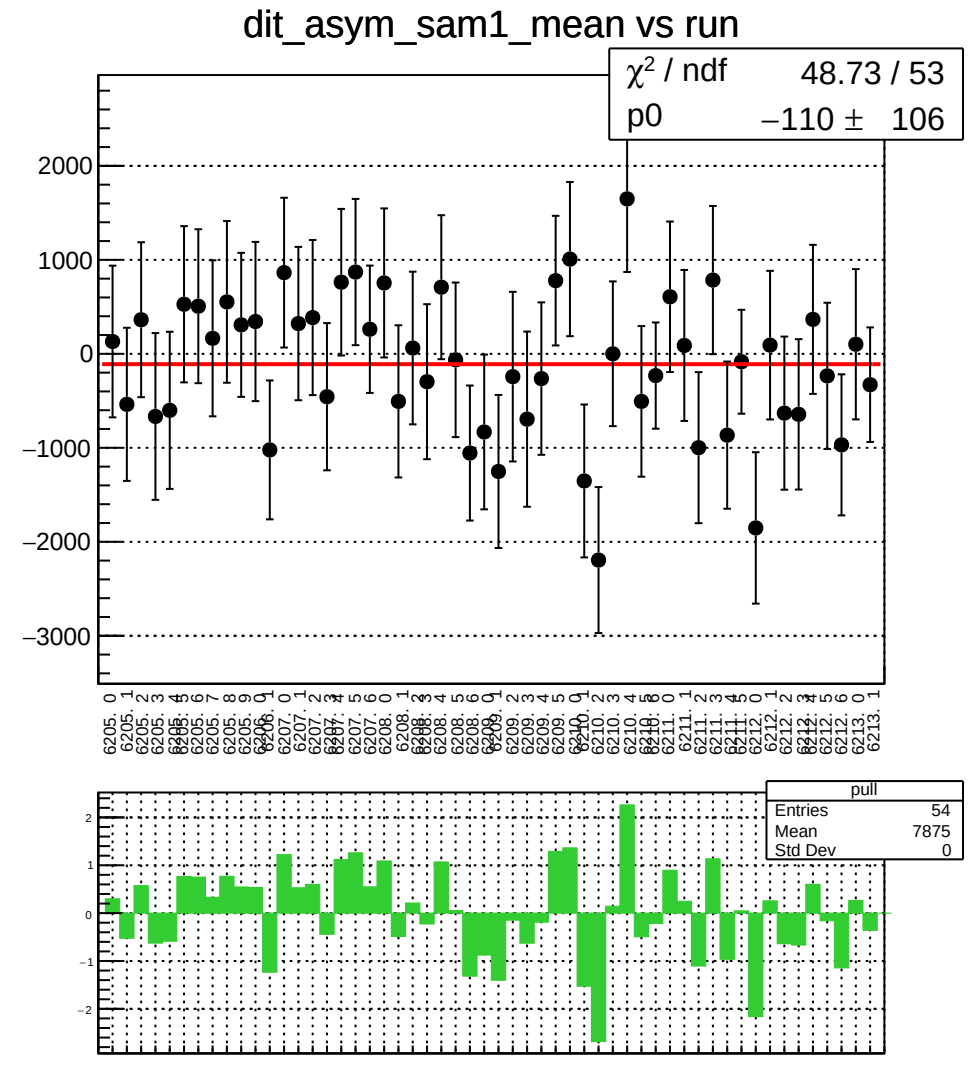
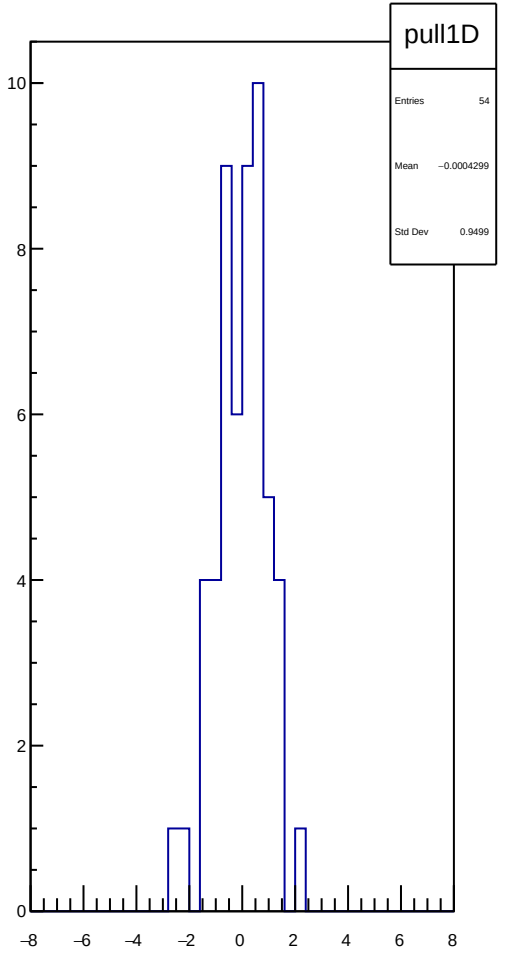
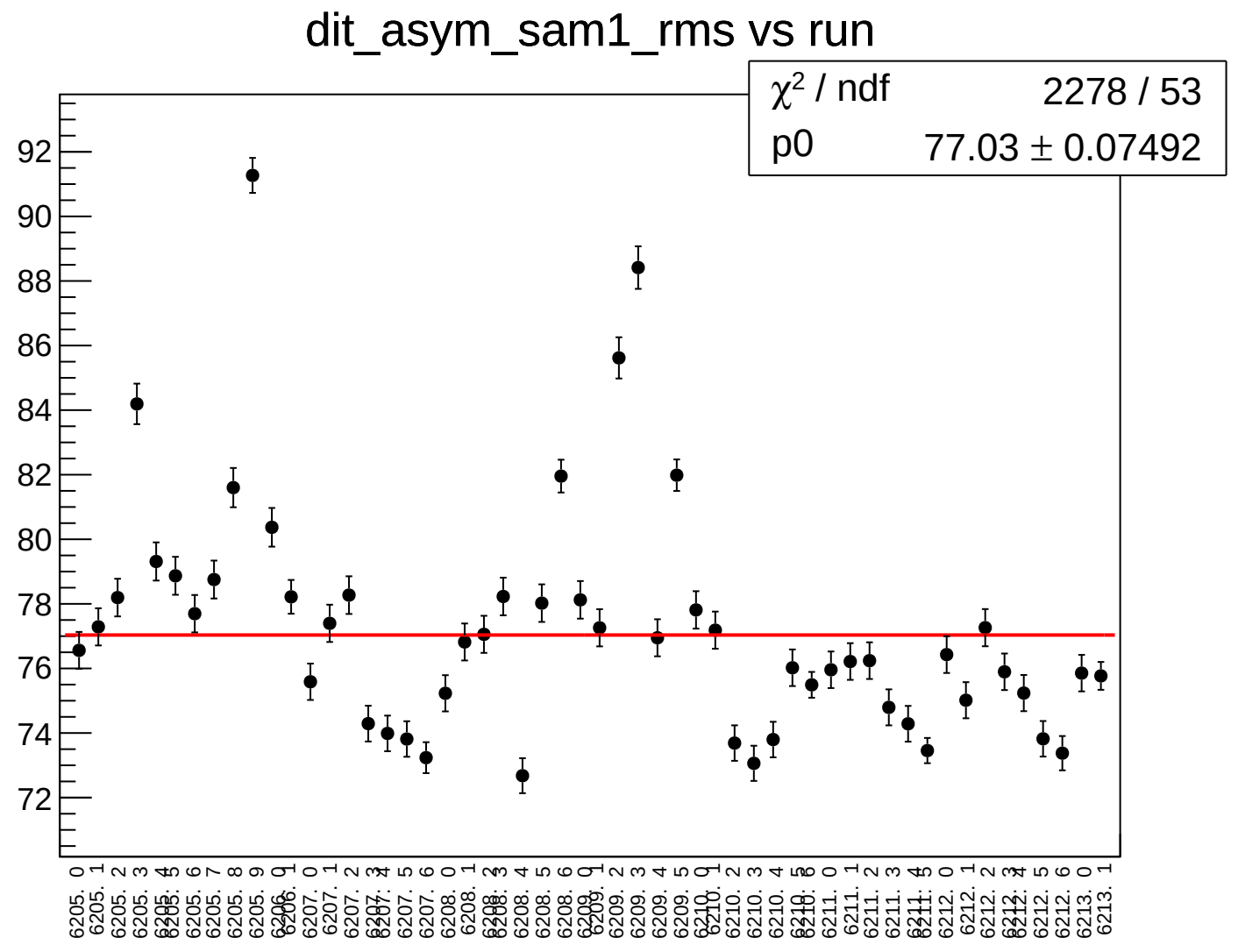
6213. 1


dit_asym_sam1_mean vs run
χ² / ndf 48.73 / 53
p0 −110 ± 106
pull
Entries 54
Mean 7875
Std Dev 0


pull1D
Entries 54
Mean −0.0004299
Std Dev 0.9499


dit_asym_sam1_rms vs run
χ^2 / ndf 2278 / 53
p0 77.03 ± 0.07492
92
90
88
86
84
82
80
78
76
74
72
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
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6207. 6
6208. 0
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6208. 4
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6208. 6
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6209. 1
6209. 2
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6210. 2
6210. 3
6210. 4
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6210. 6
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6211. 1
6211. 2
6211. 3
6211. 4
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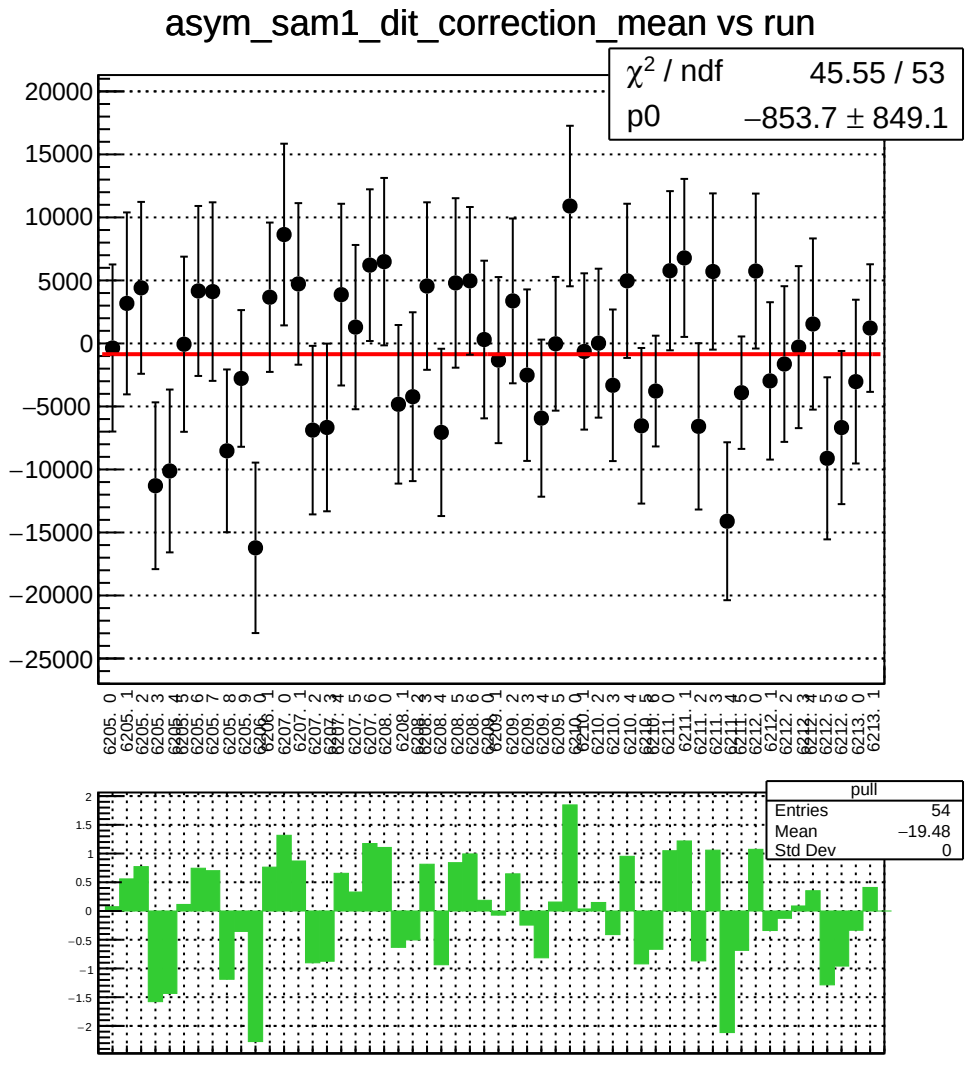
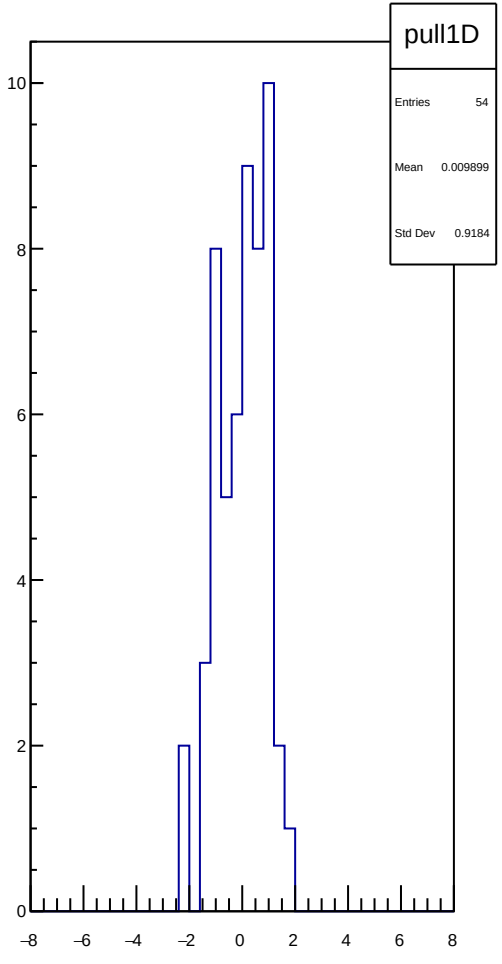
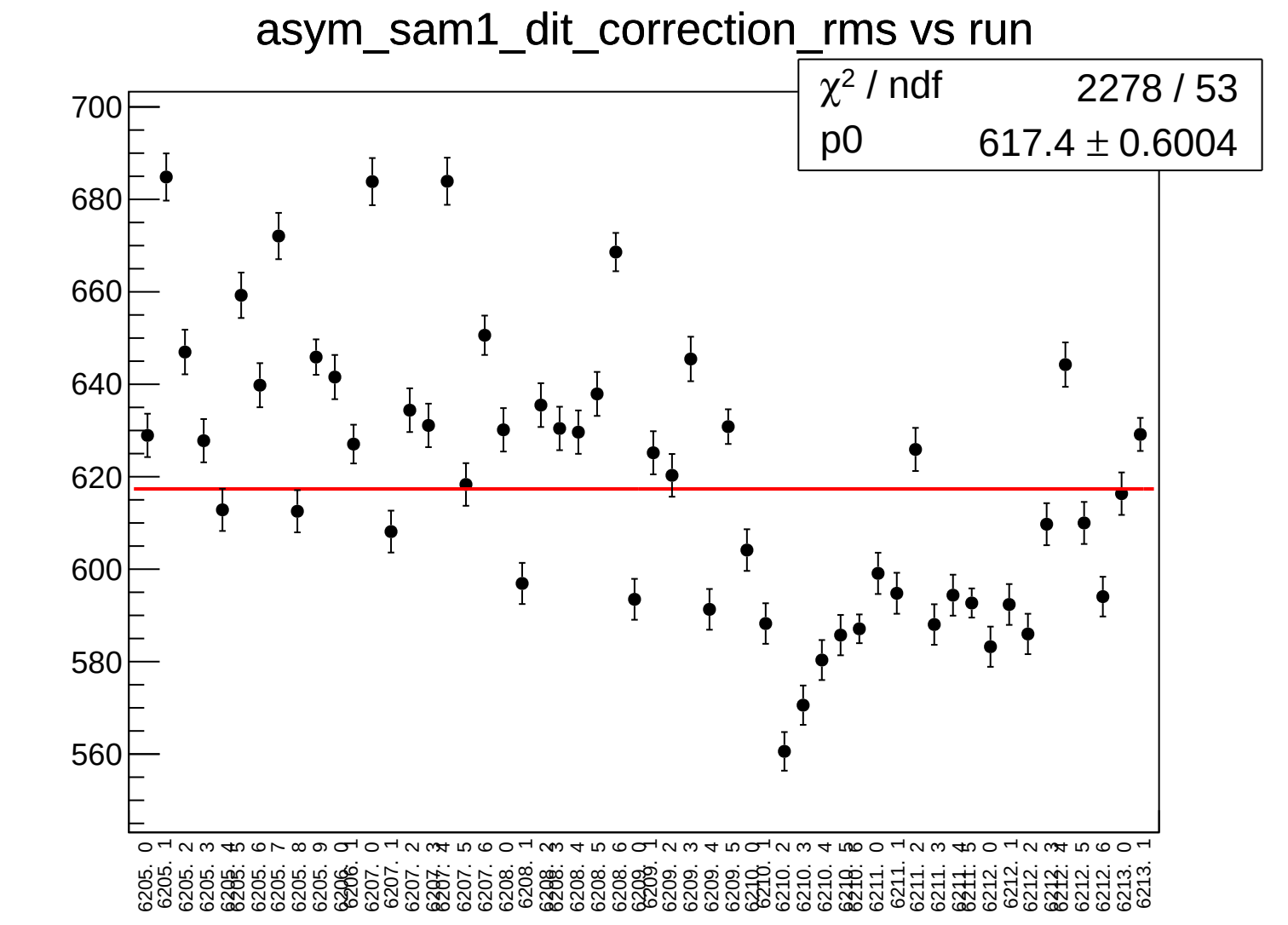
6213. 0
6213. 1


asym_sam1_dit_correction_mean vs run
χ² / ndf 45.55 / 53
p0 −853.7 ± 849.1
pull
Entries 54
Mean −19.48
Std Dev 0


pull1D
Entries 54
Mean 0.009899
Std Dev 0.9184


asym_sam1_dit_correction_rms vs run
χ² / ndf 2278 / 53
p0 617.4 ± 0.6004
700
680
660
640
620
600
580
560
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
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6209. 4
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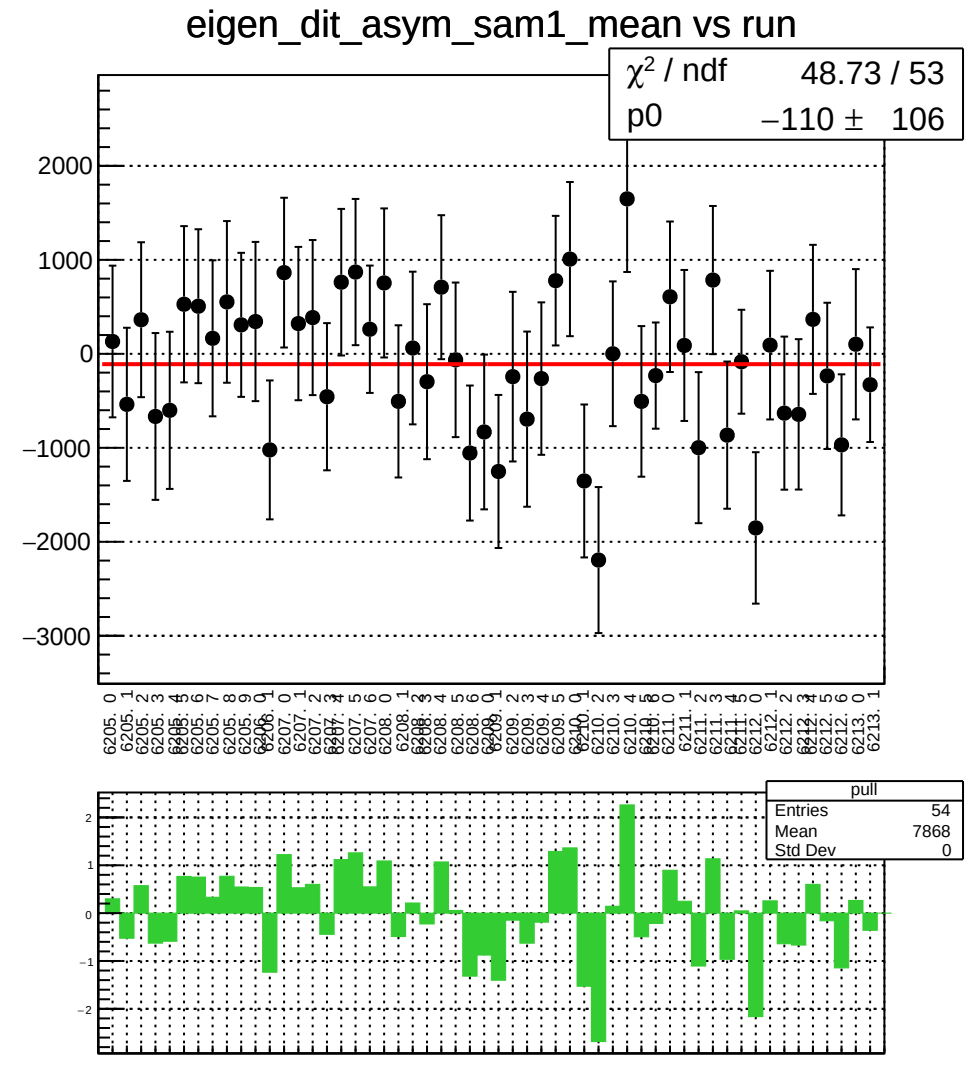
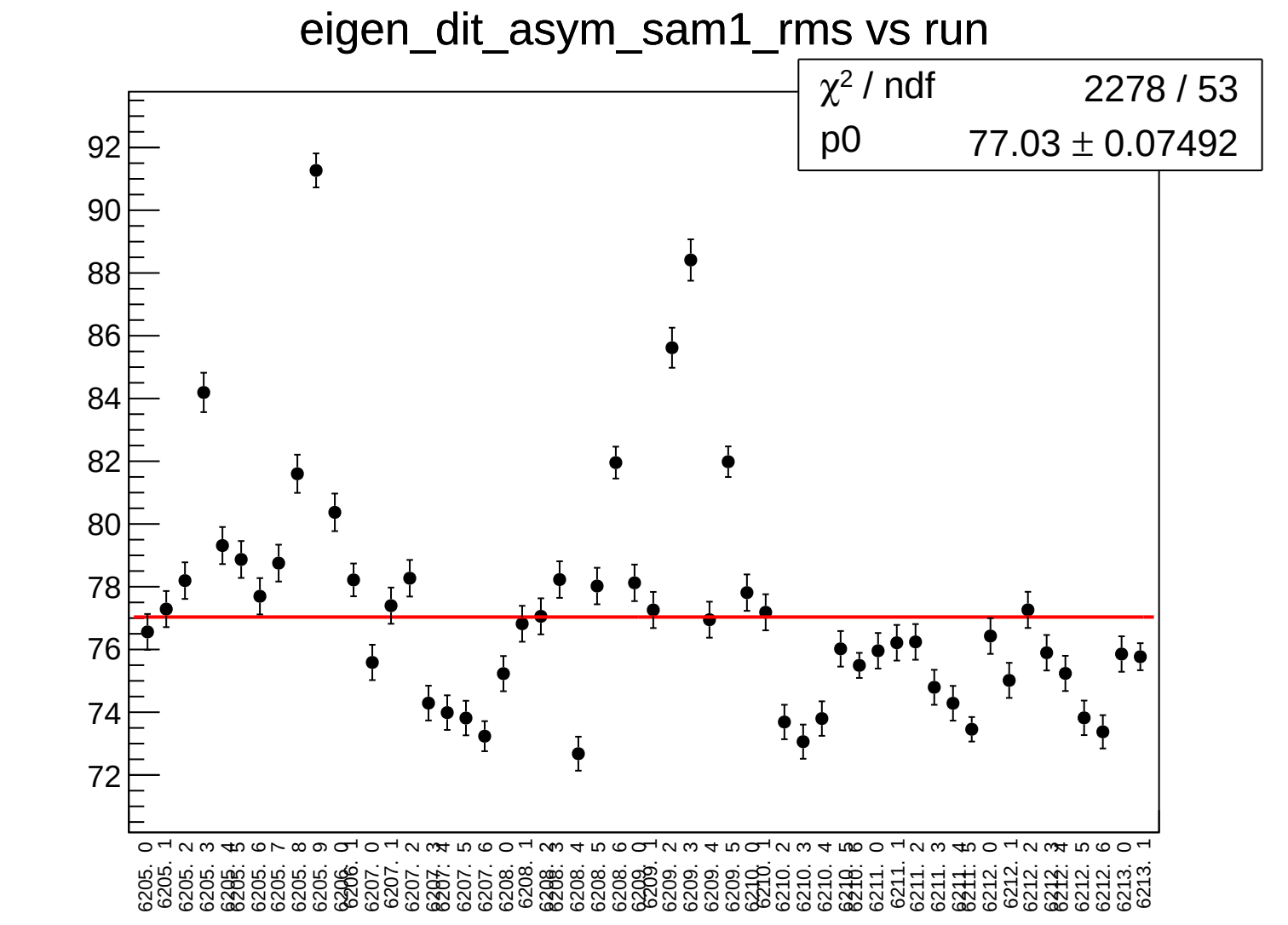
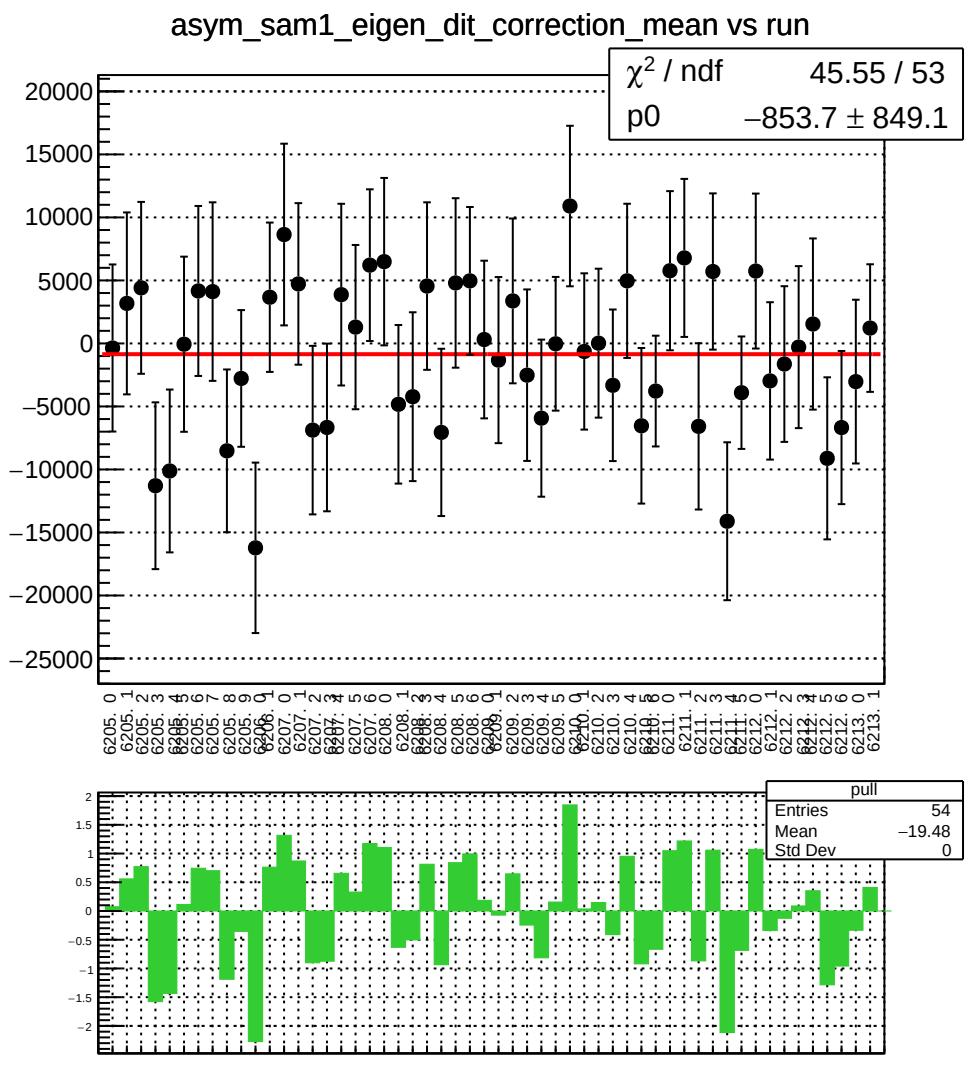
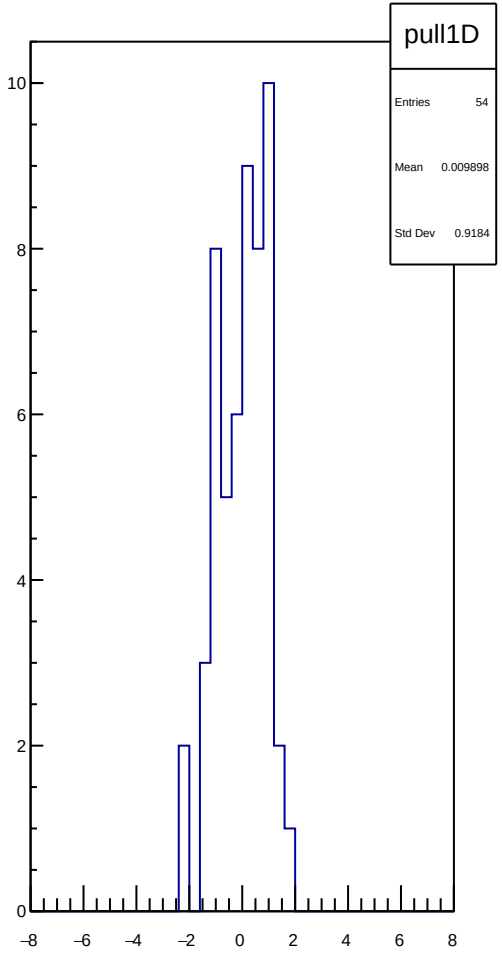
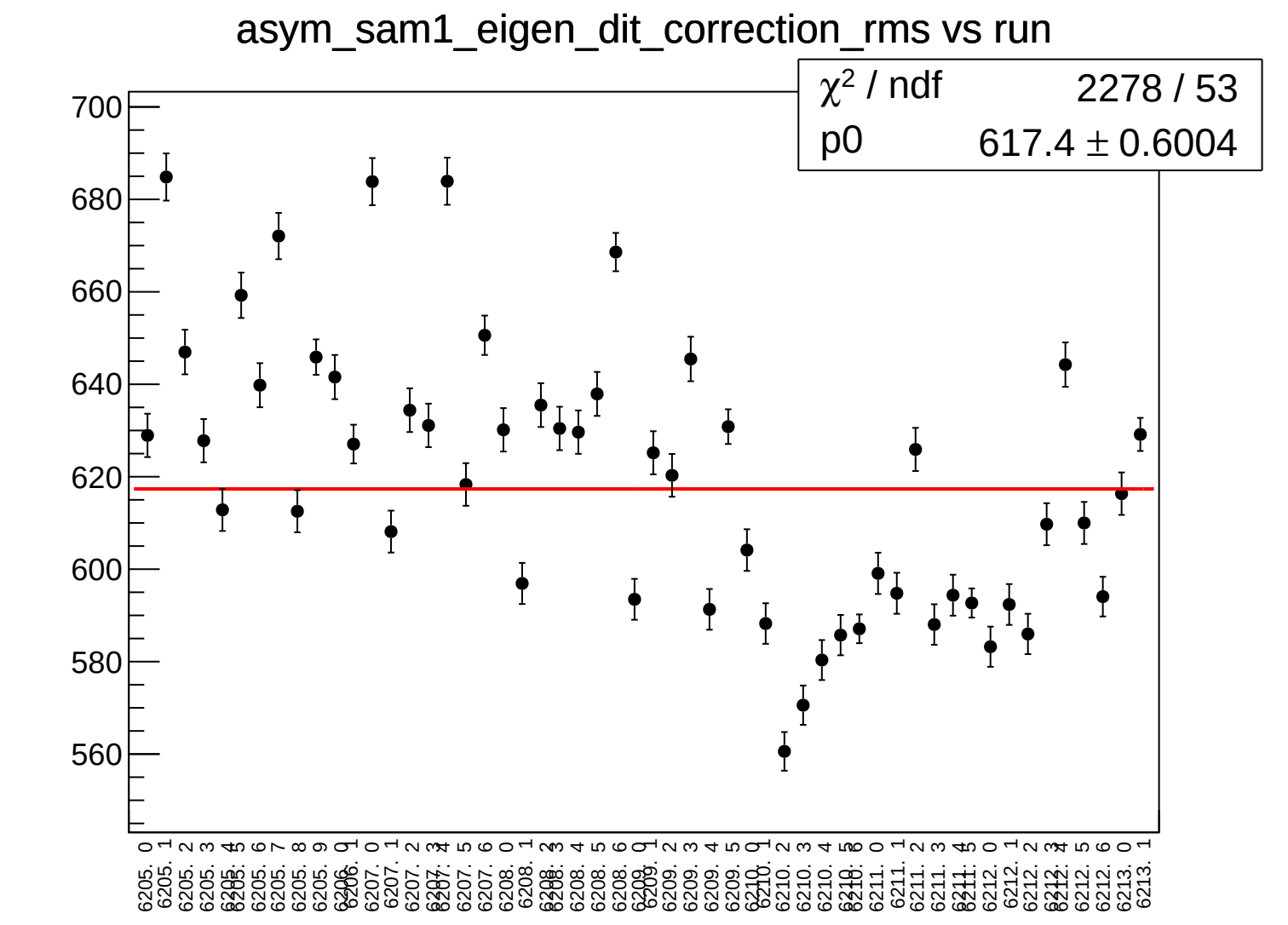
6213. 1

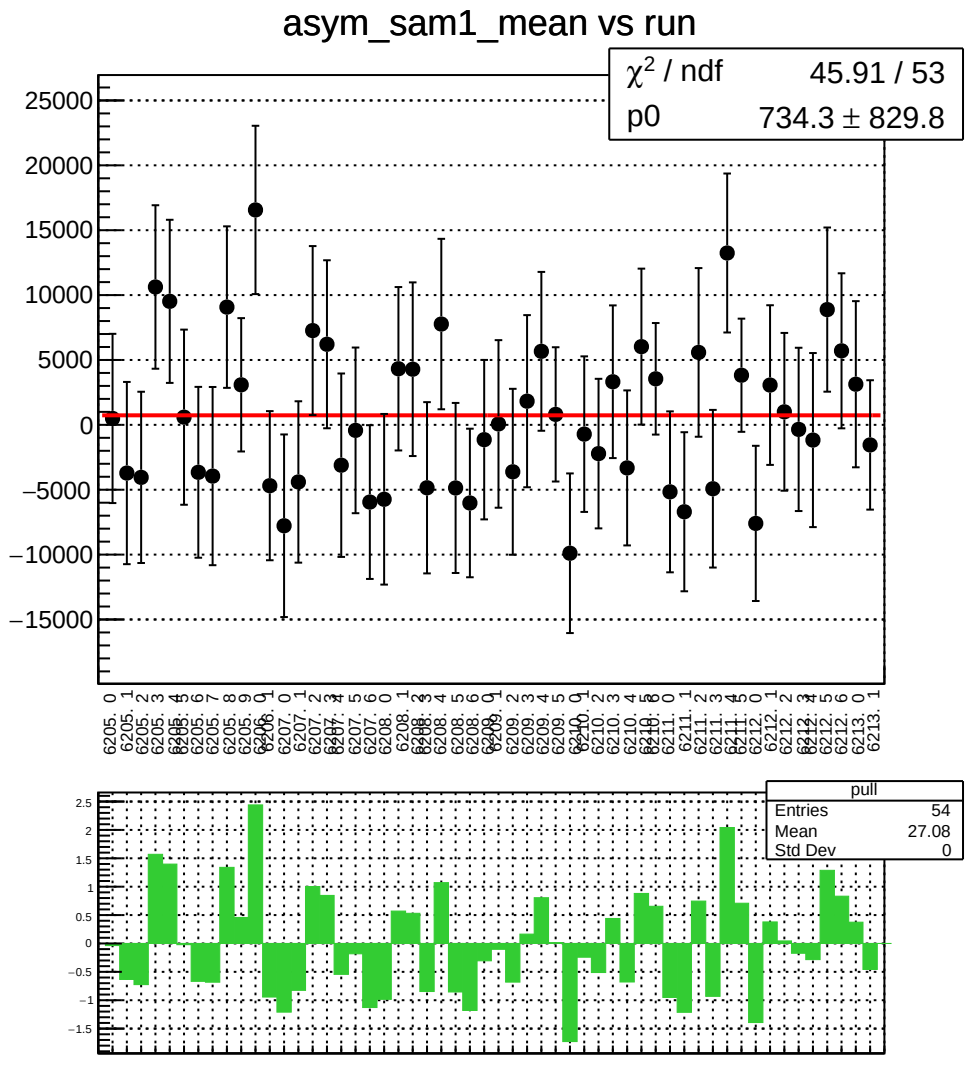

eigen_dit_asym_sam1_mean vs run
χ² / ndf 48.73 / 53
p0 −110 ± 106
pull
Entries 54
Mean 7868
Std Dev 0
pull1D
Entries 54
Mean −0.0004303
Std Dev 0.9499

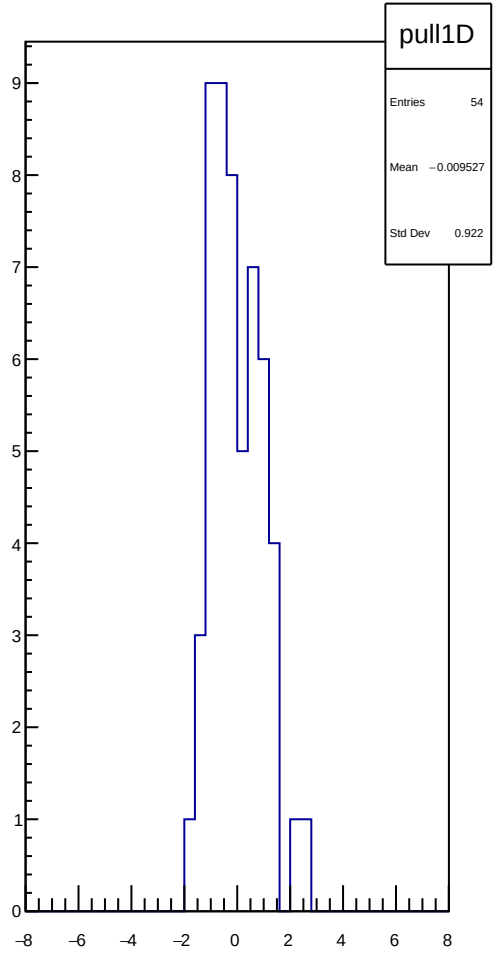

eigen_dit_asym_sam1_rms vs run
χ² / ndf 2278 / 53
p0 77.03 ± 0.07492
92
90
88
86
84
82
80
78
76
74
72
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

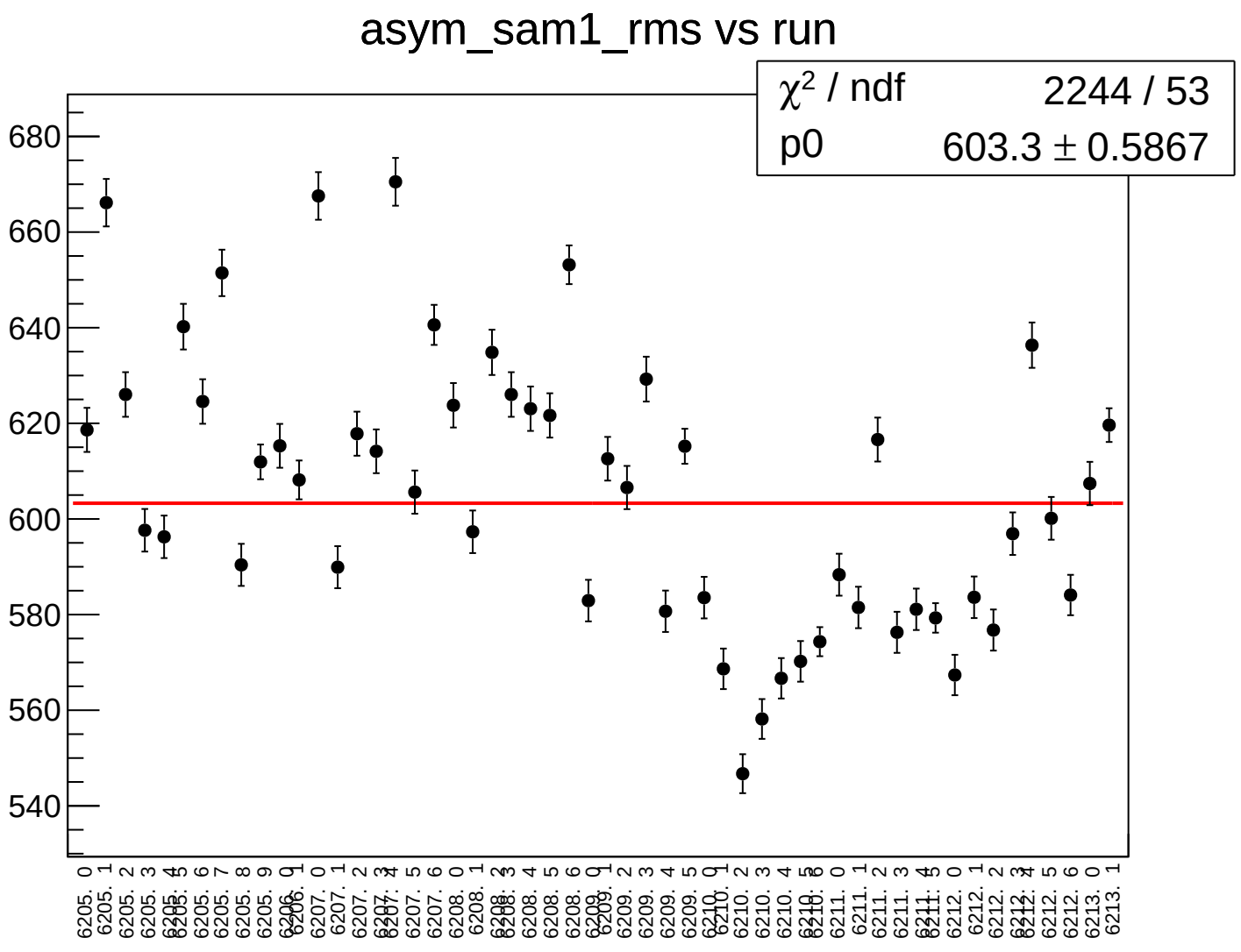

asym_sam1_eigen_dit_correction_mean vs run
χ² / ndf 45.55 / 53
p0 −853.7 ± 849.1
pull
Entries 54
Mean −19.48
Std Dev 0

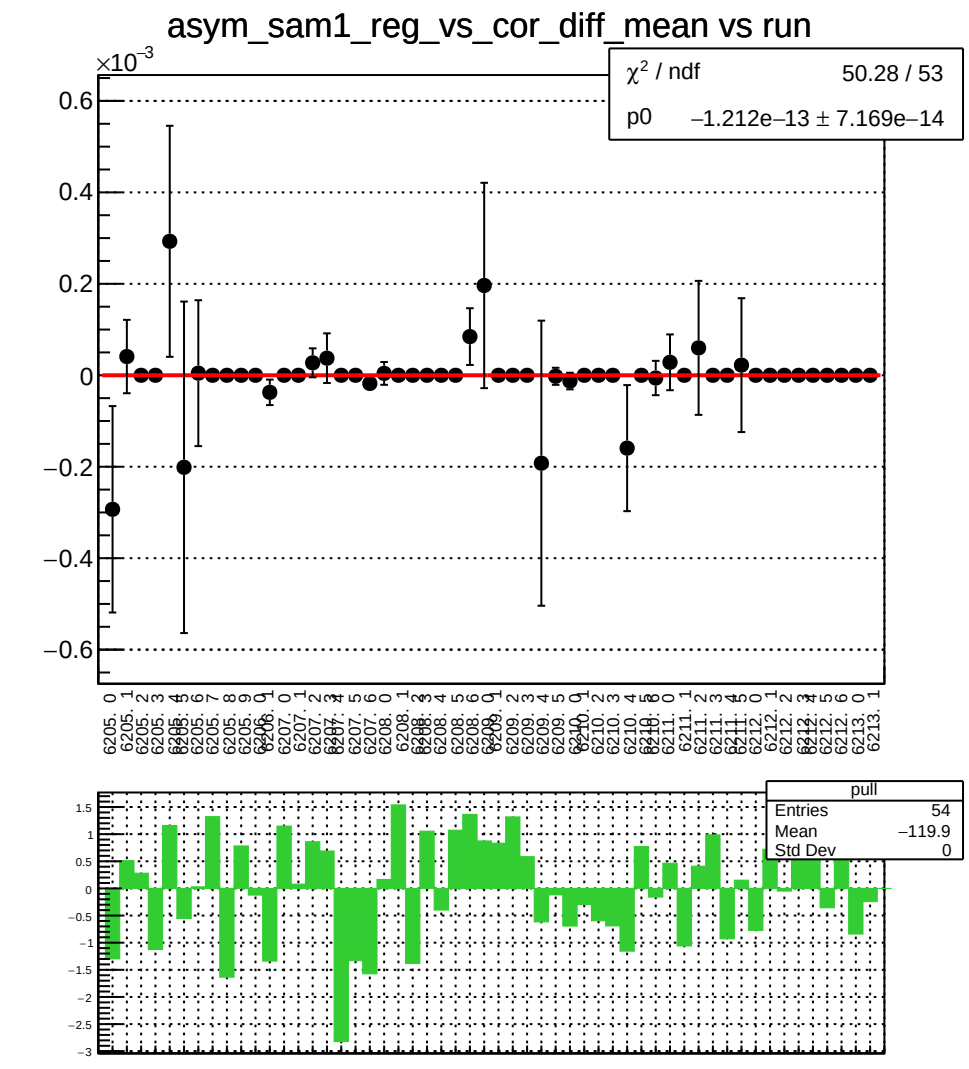

pull1D
Entries 54
Mean 0.009898
Std Dev 0.9184

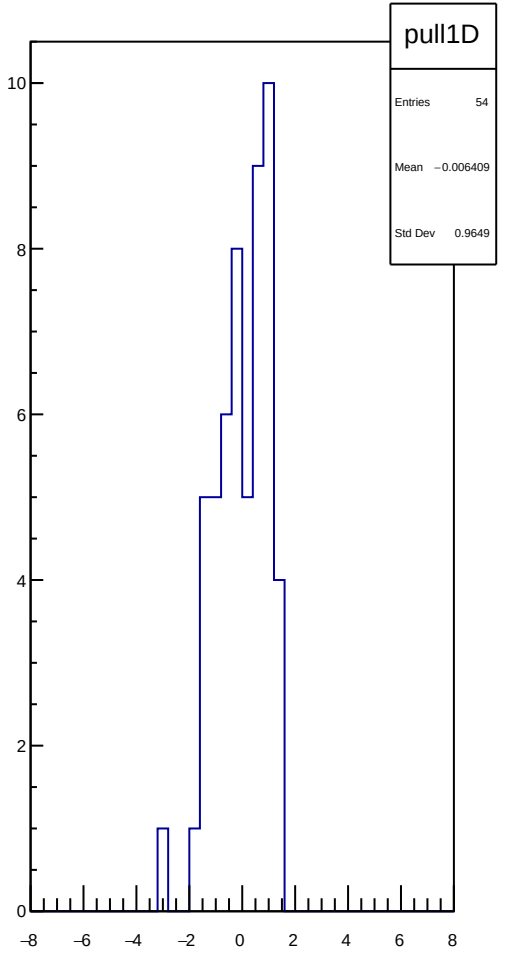

asym_sam1_eigen_dit_correction_rms vs run
χ² / ndf 2278 / 53
p0 617.4 ± 0.6004
700
680
660
640
620
600
580
560
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

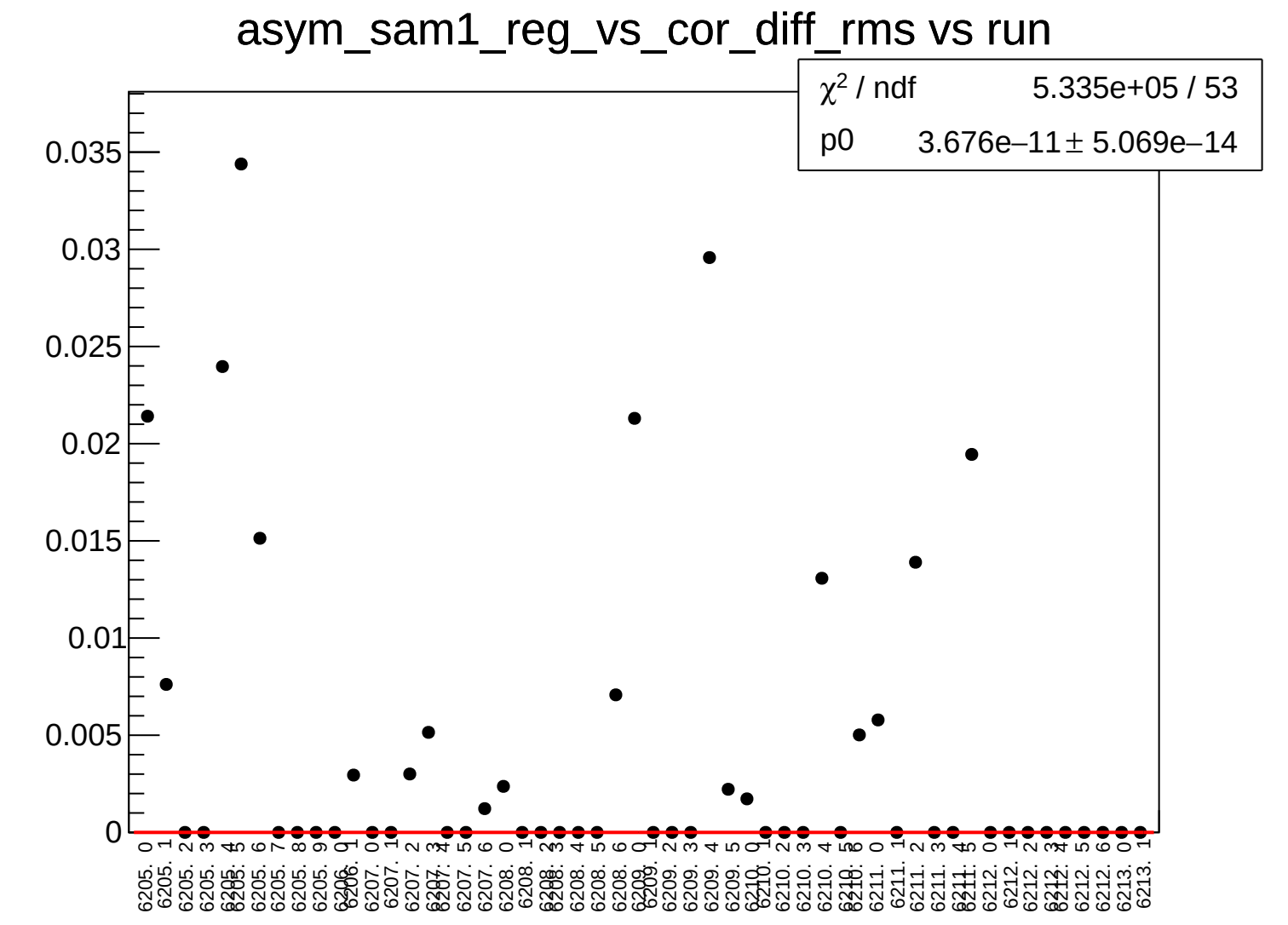

asym_sam1_mean vs run
χ² / ndf 45.91 / 53
p0 734.3 ± 829.8
pull
Entries 54
Mean 27.08
Std Dev 0

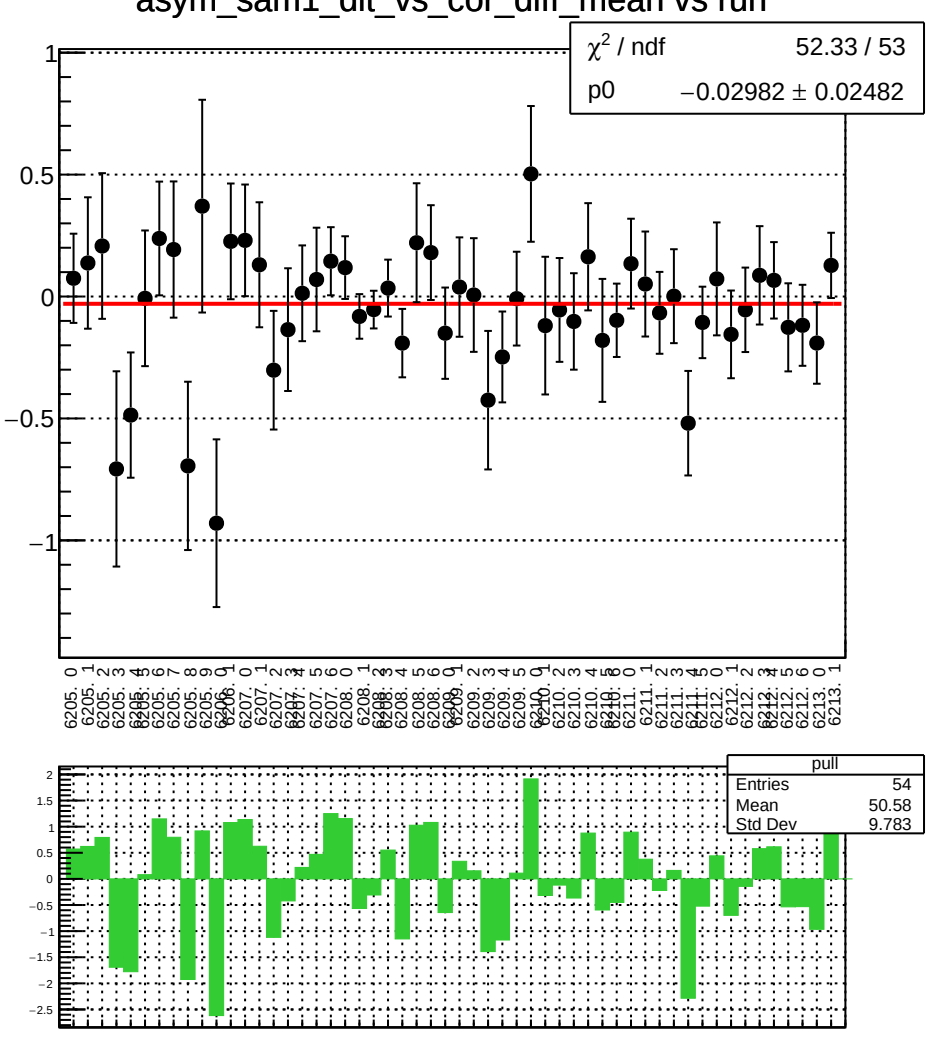

pull1D
Entries 54
Mean −0.009527
Std Dev 0.922

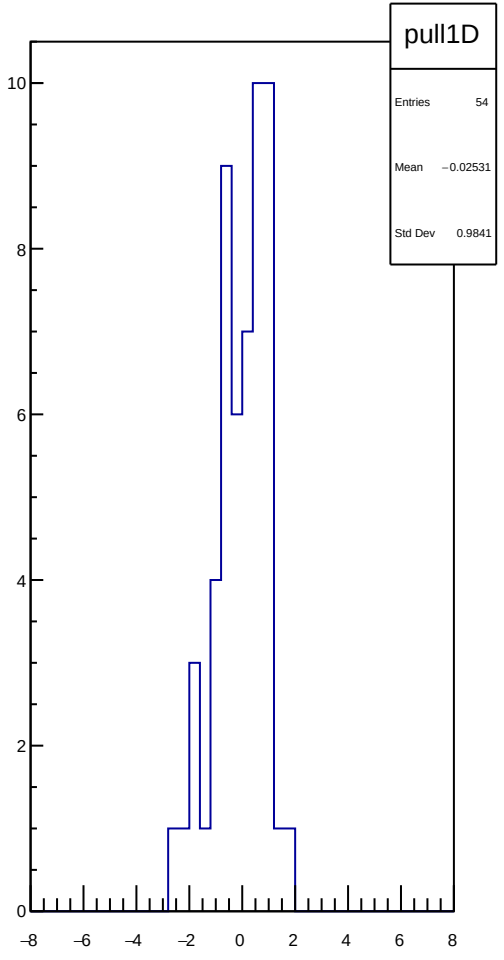

asym_sam1_rms vs run
χ² / ndf 2244 / 53
p0 603.3 ± 0.5867
680
660
640
620
600
580
560
540
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

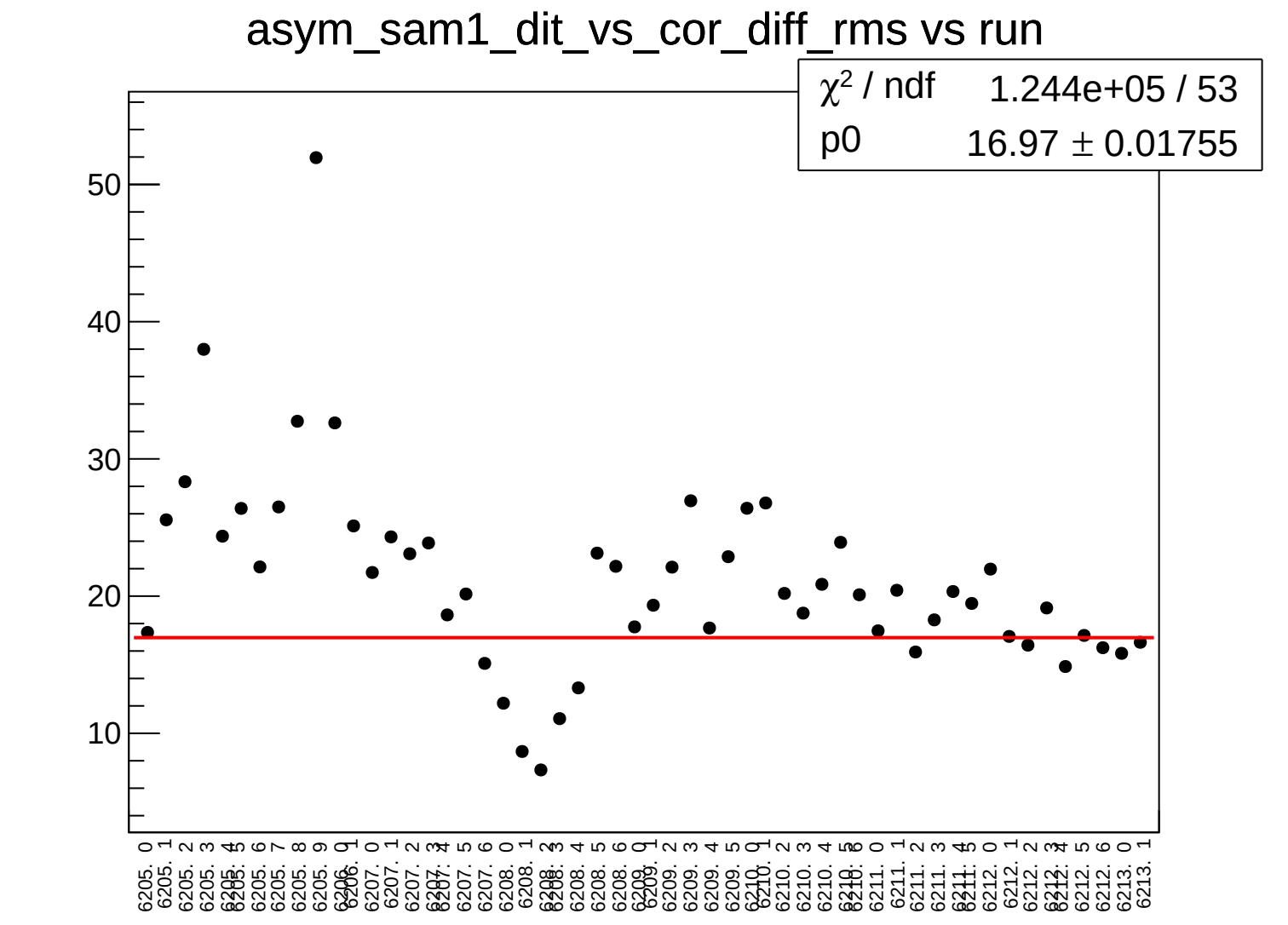

asym_sam1_reg_vs_cor_diff_mean vs run
×10^−3
χ² / ndf 50.28 / 53
p0 −1.212e−13 ± 7.169e−14
pull
Entries 54
Mean −119.9
Std Dev 0

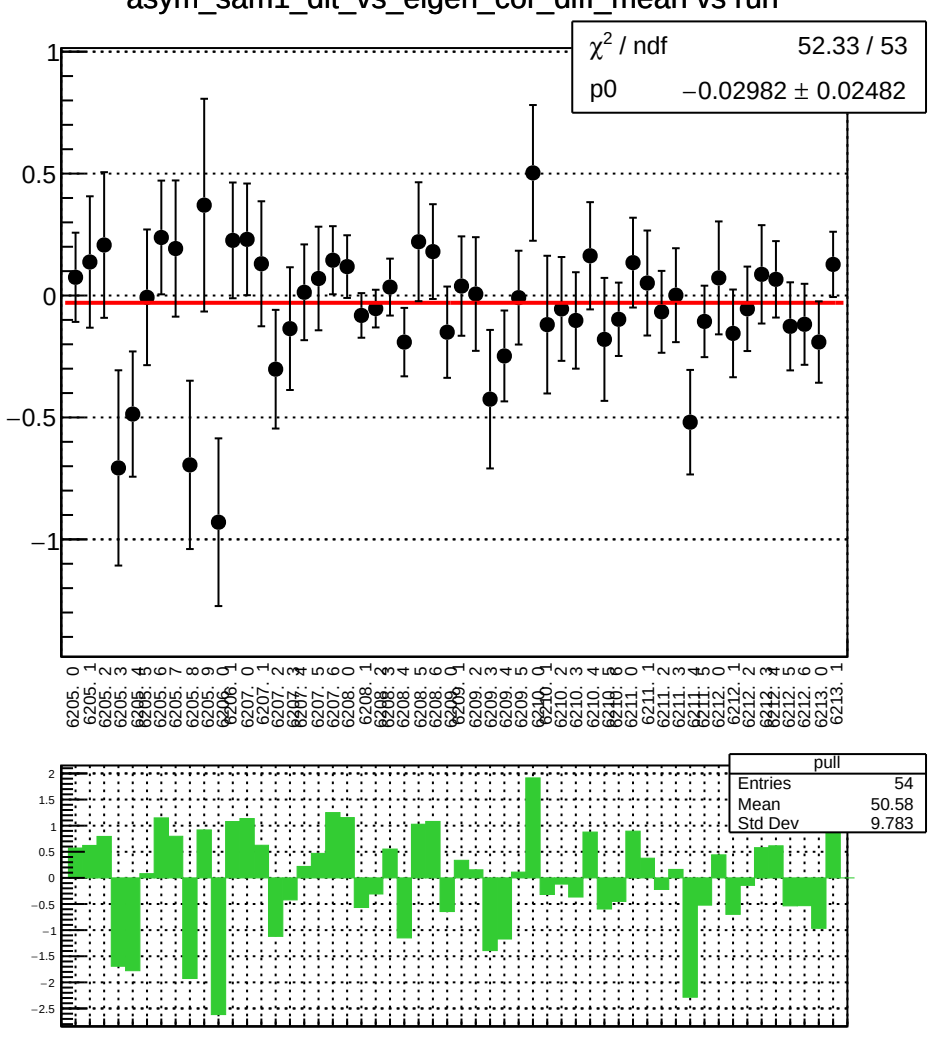

pull1D
Entries 54
Mean −0.006409
Std Dev 0.9649

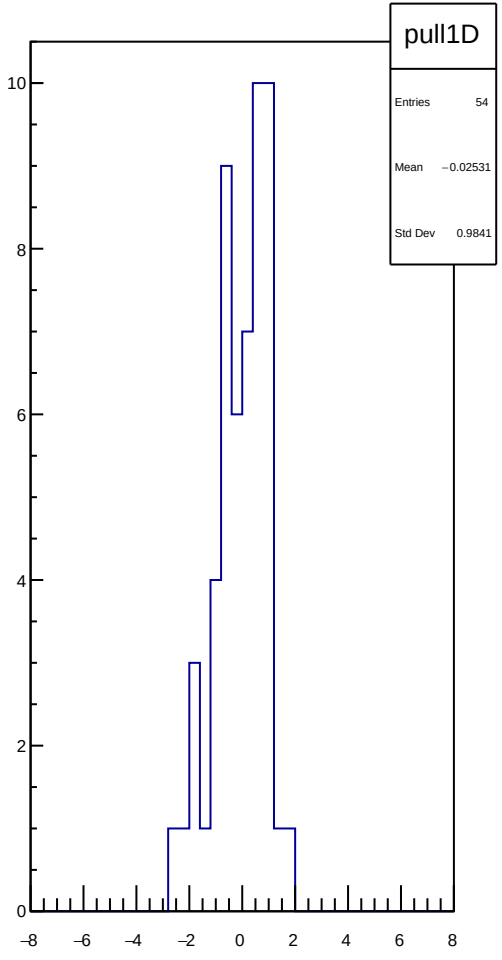

asym_sam1_reg_vs_cor_diff_rms vs run
χ² / ndf 5.335e+05 / 53
p0 3.676e−11 ± 5.069e−14
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0

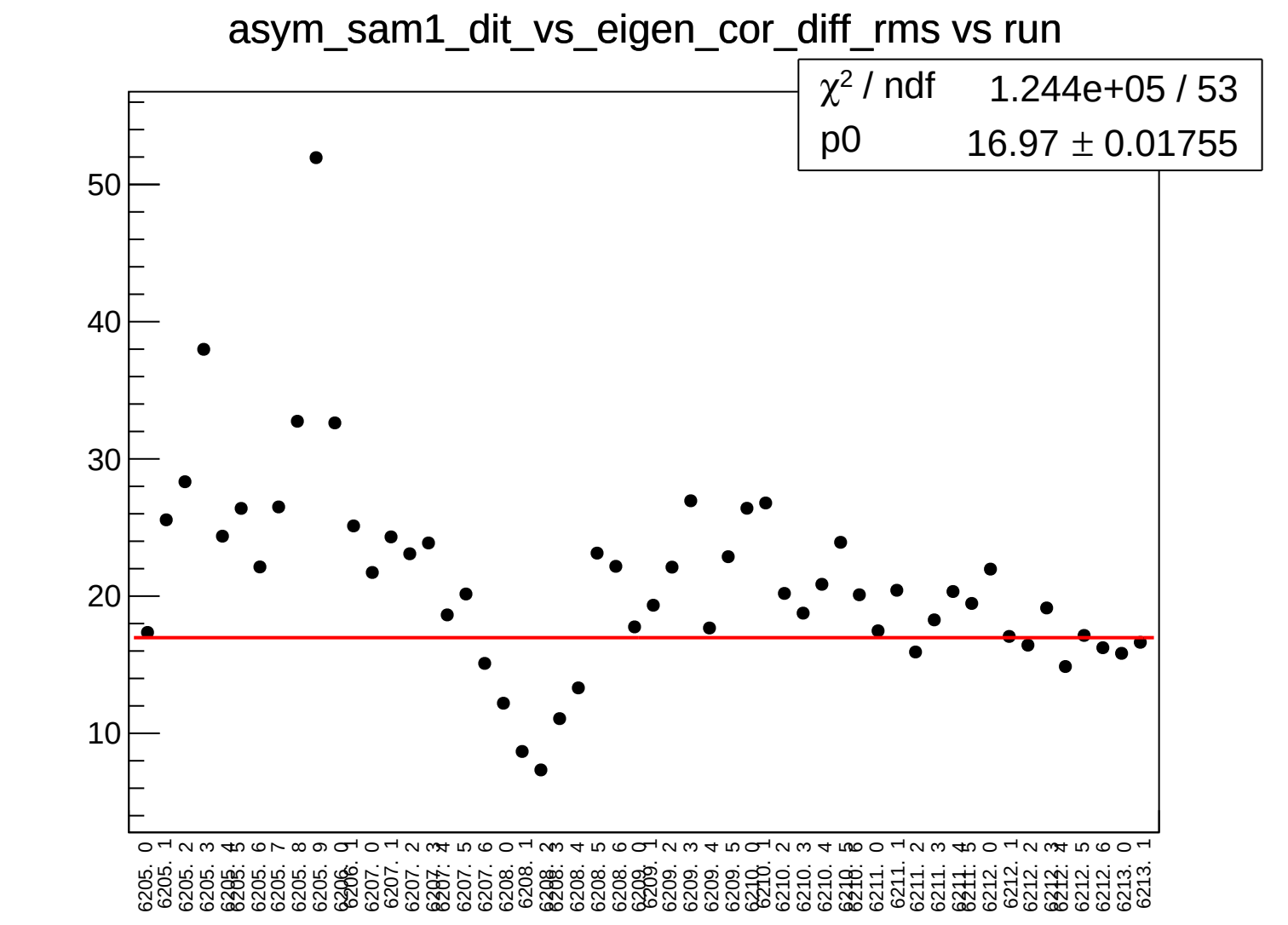

asym_sam1_dit_vs_cor_diff_mean vs run
χ² / ndf 52.33 / 53
p0 −0.02982 ± 0.02482
pull
Entries 54
Mean 50.58
Std Dev 9.783

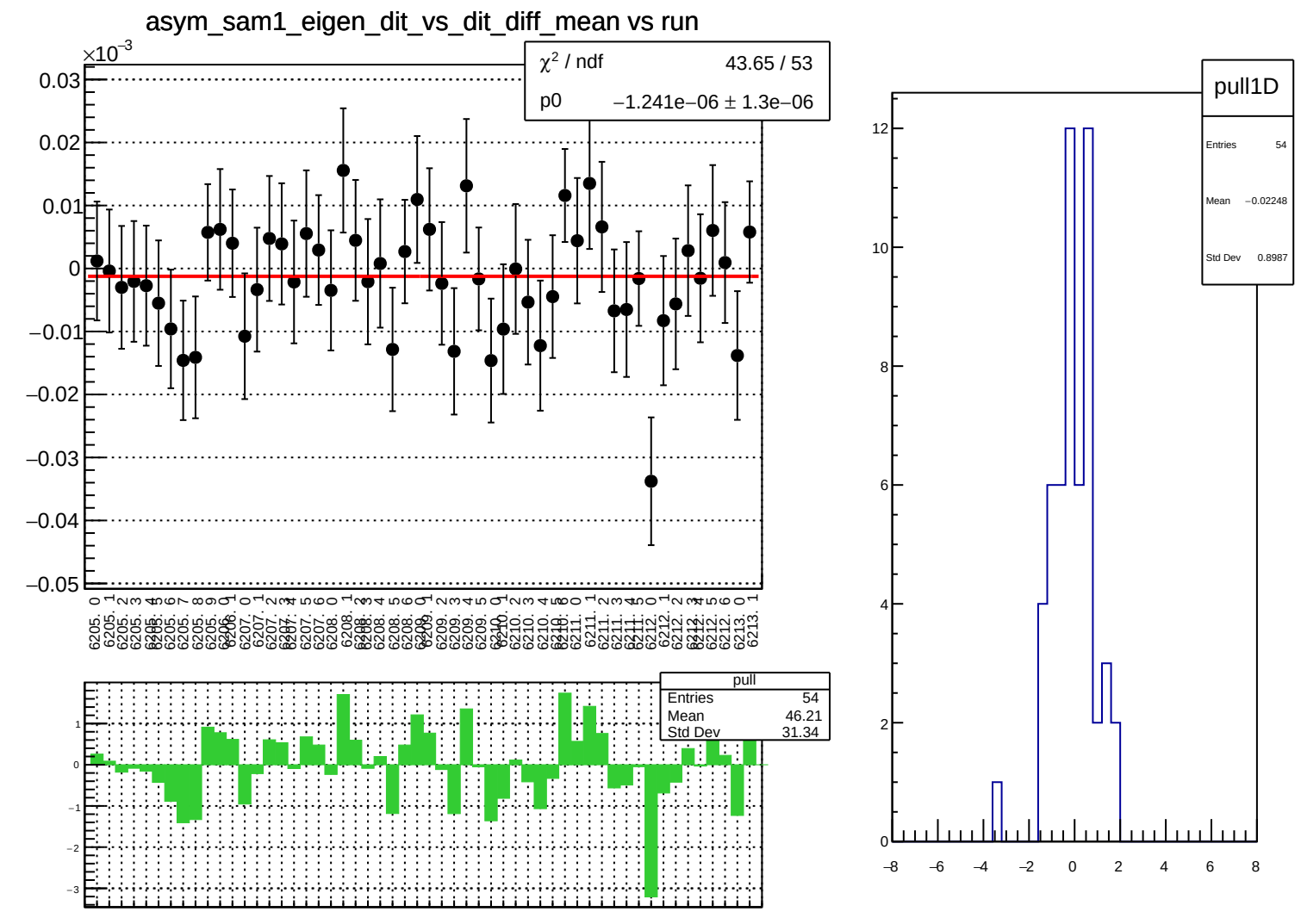

pull1D
Entries 54
Mean −0.02531
Std Dev 0.9841

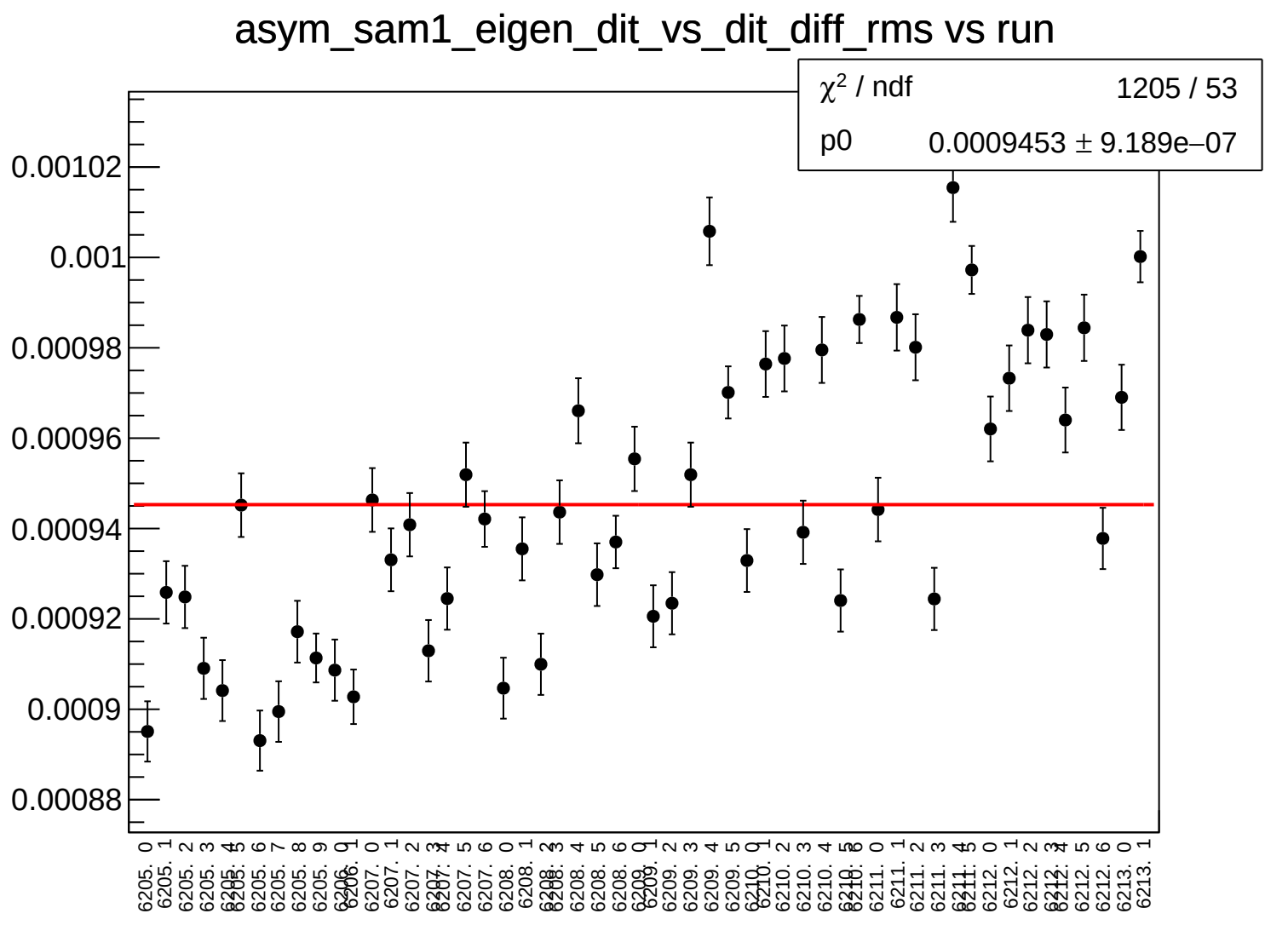

asym_sam1_dit_vs_cor_diff_rms vs run
χ² / ndf 1.244e+05 / 53
p0 16.97 ± 0.01755
50
40
30
20
10
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

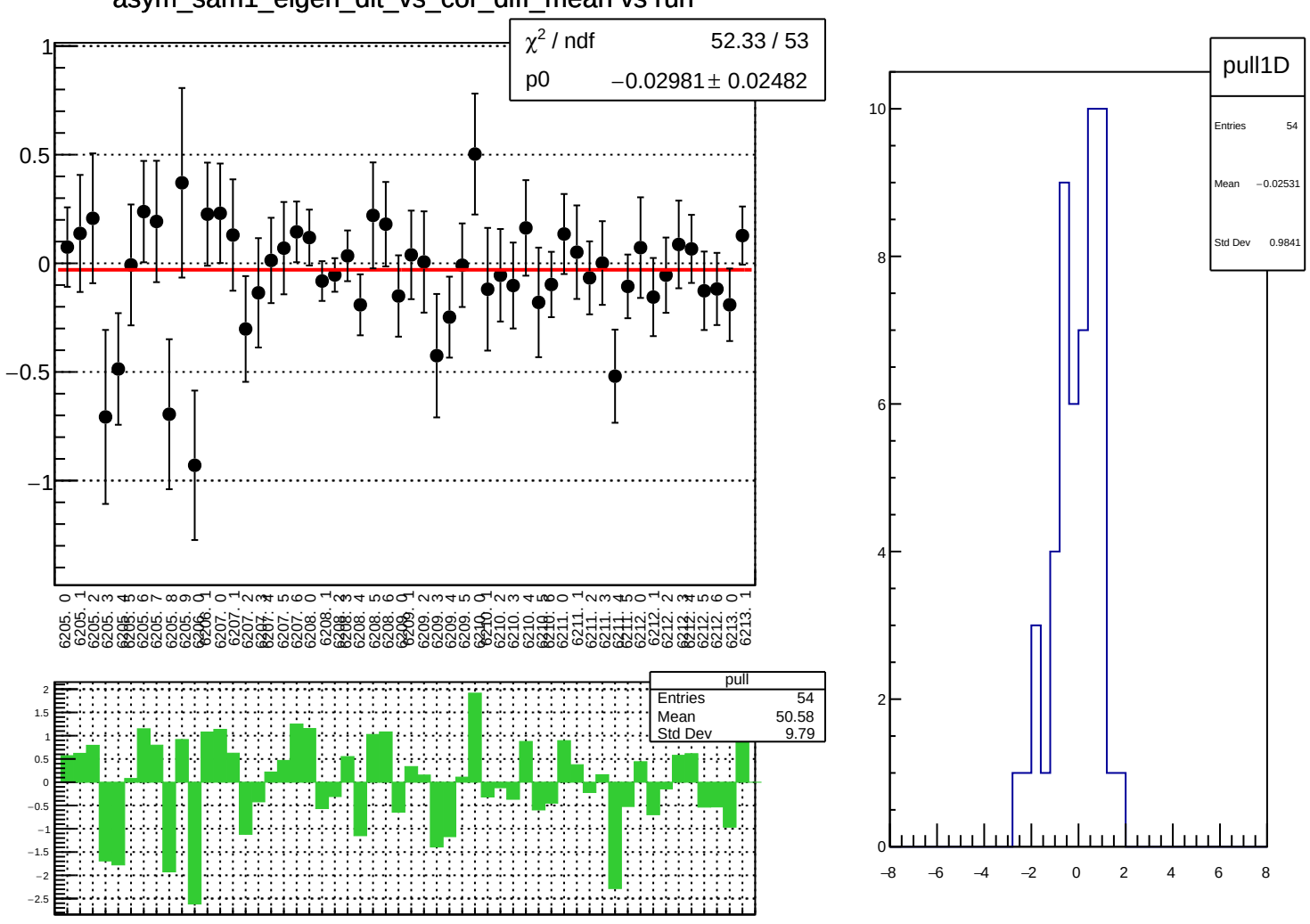

asym_sam1_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 52.33 / 53
p0 −0.02982 ± 0.02482
pull
Entries 54
Mean 50.58
Std Dev 9.783

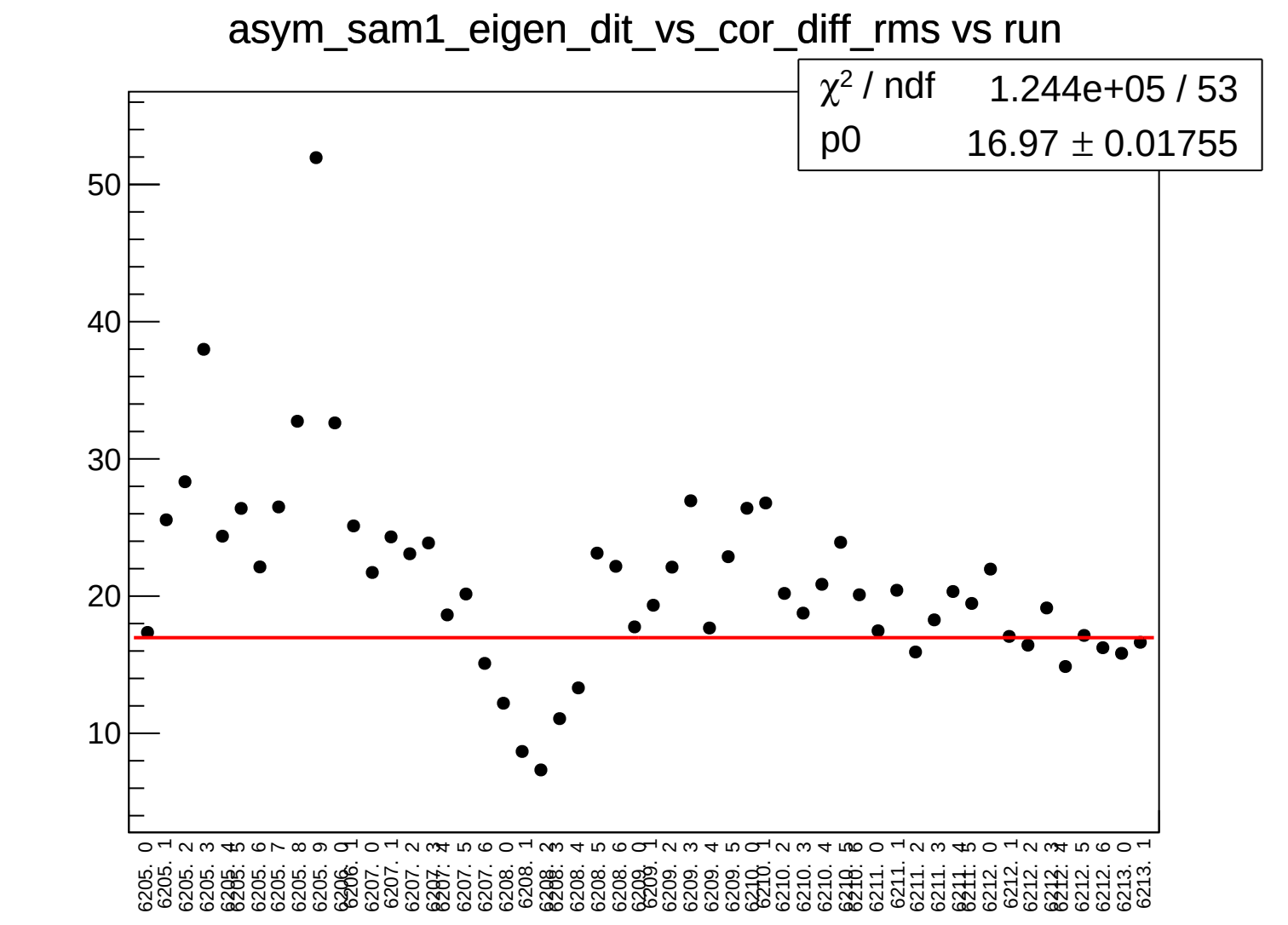

pull1D
Entries 54
Mean −0.02531
Std Dev 0.9841

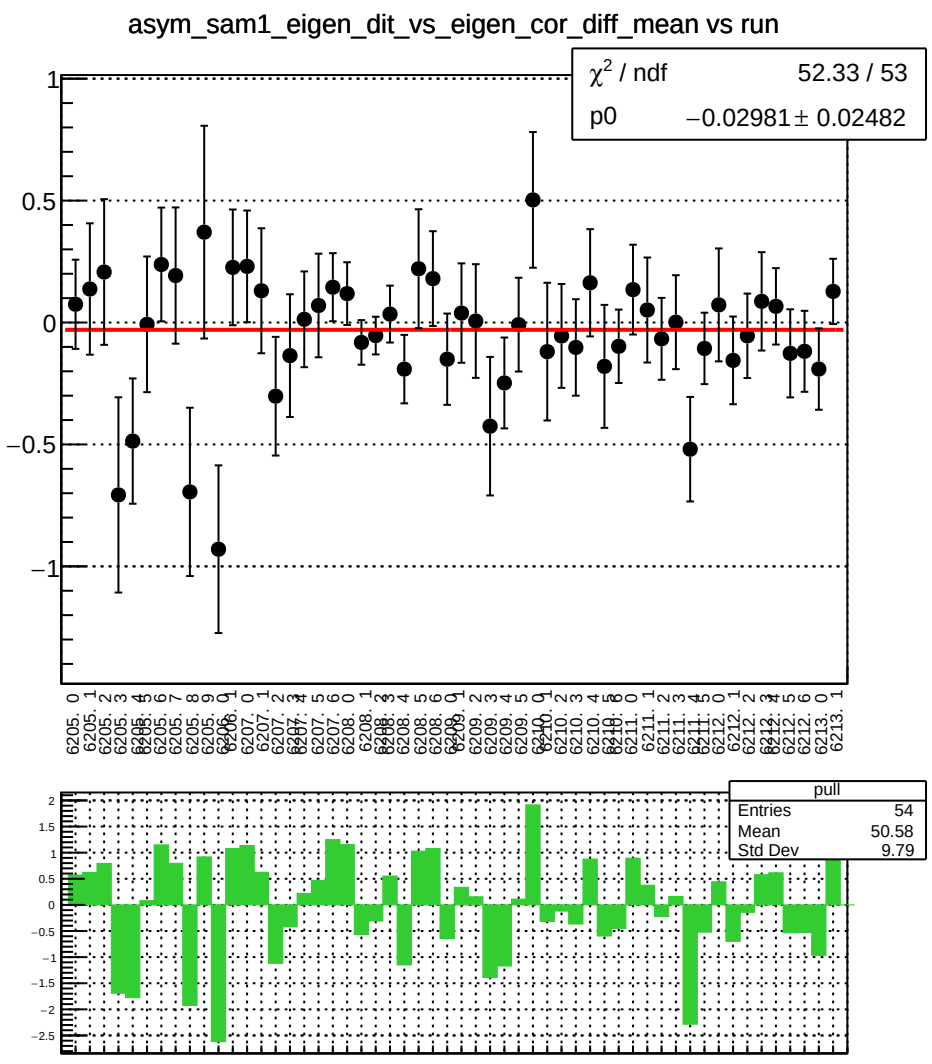

asym_sam1_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.244e+05 / 53
p0 16.97 ± 0.01755
50
40
30
20
10
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

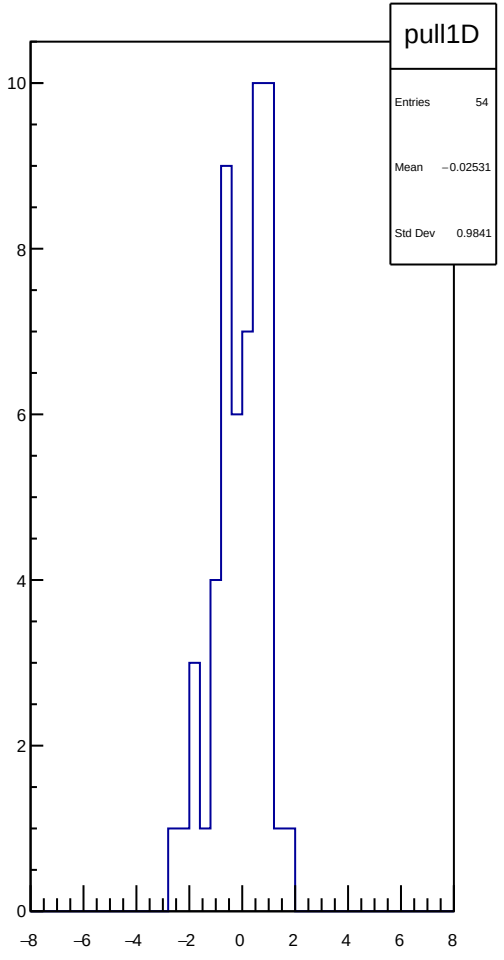

asym_sam1_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 43.65 / 53
p0 −1.241e−06 ± 1.3e−06
pull
Entries 54
Mean 46.21
Std Dev 31.34
pull1D
Entries 54
Mean −0.02248
Std Dev 0.8987

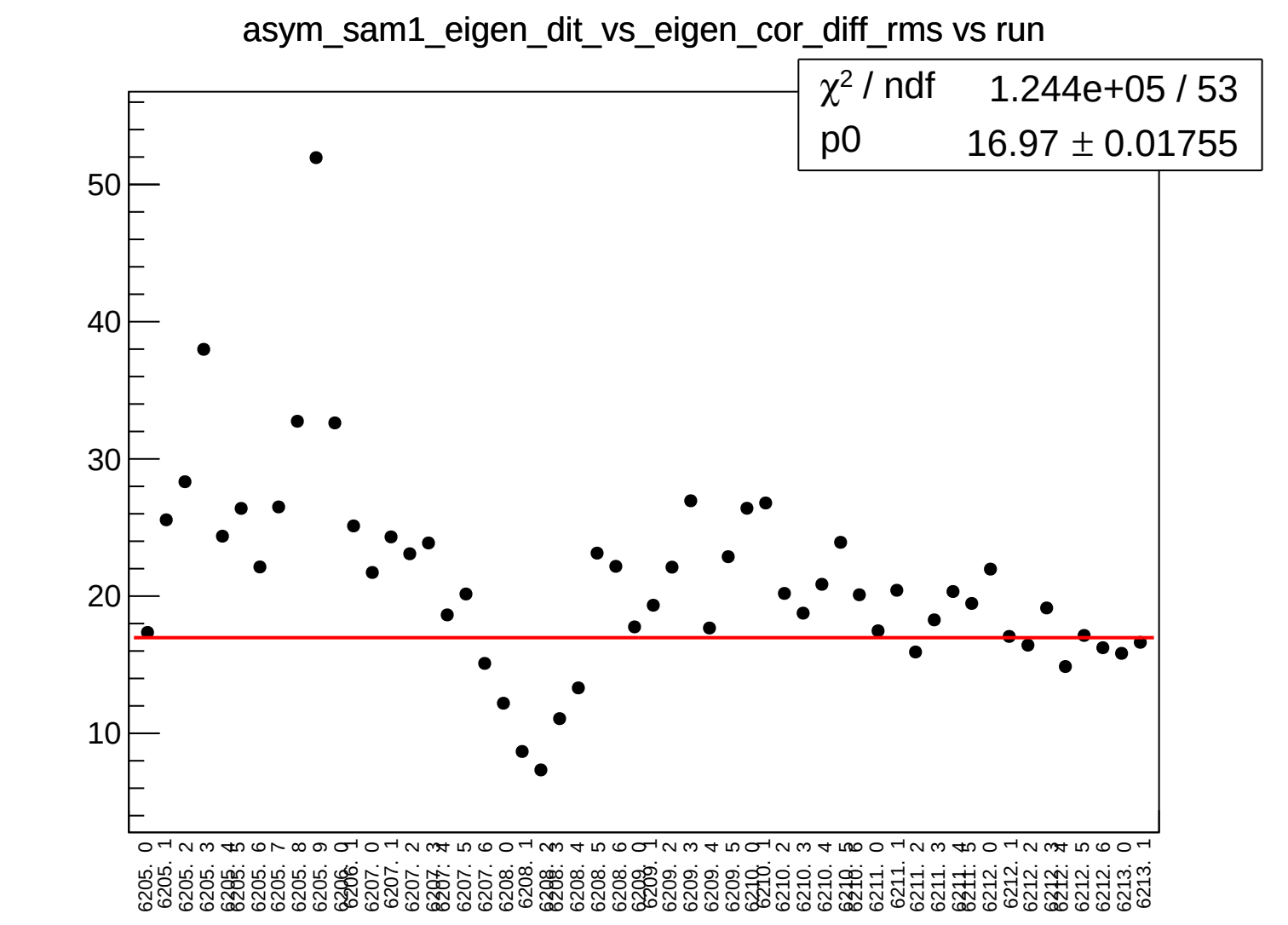

asym_sam1_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1205 / 53
p0 0.0009453 ± 9.189e−07
0.00102
0.001
0.00098
0.00096
0.00094
0.00092
0.0009
0.00088
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

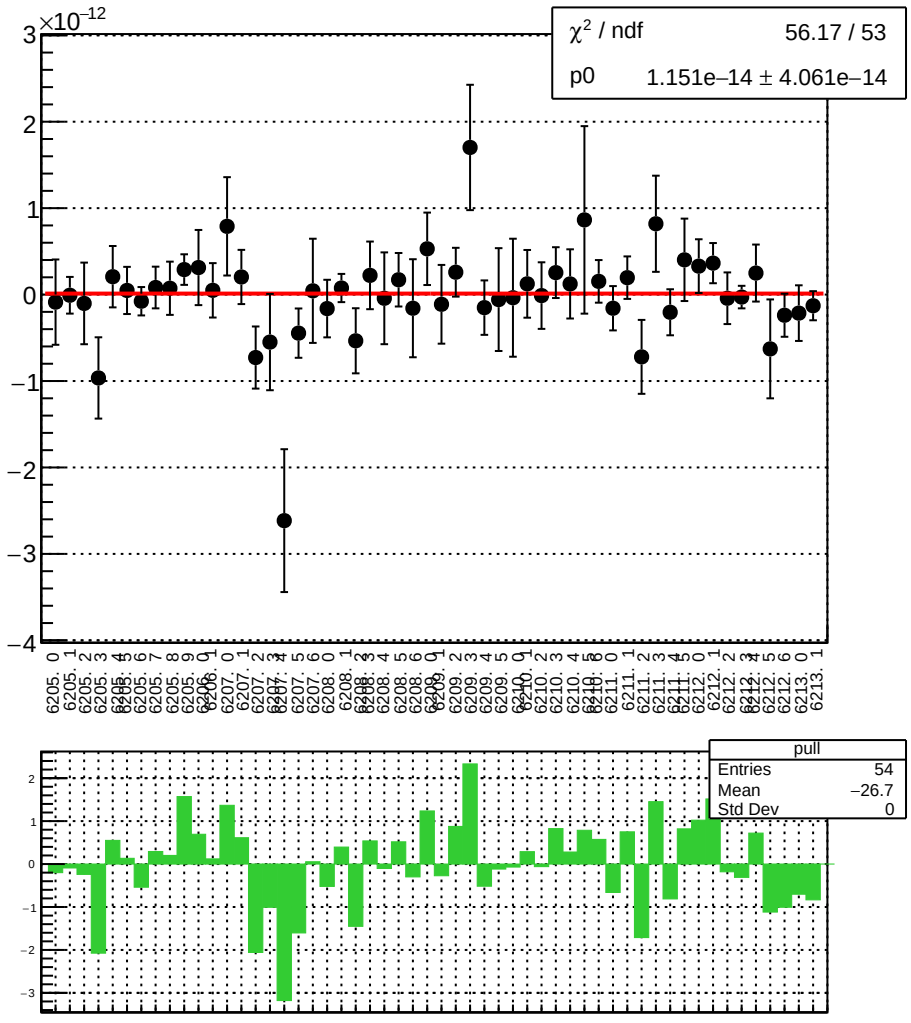

asym_sam1_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 52.33 / 53
p0 −0.02981 ± 0.02482
pull
Entries 54
Mean 50.58
Std Dev 9.79
pull1D
Entries 54
Mean −0.02531
Std Dev 0.9841

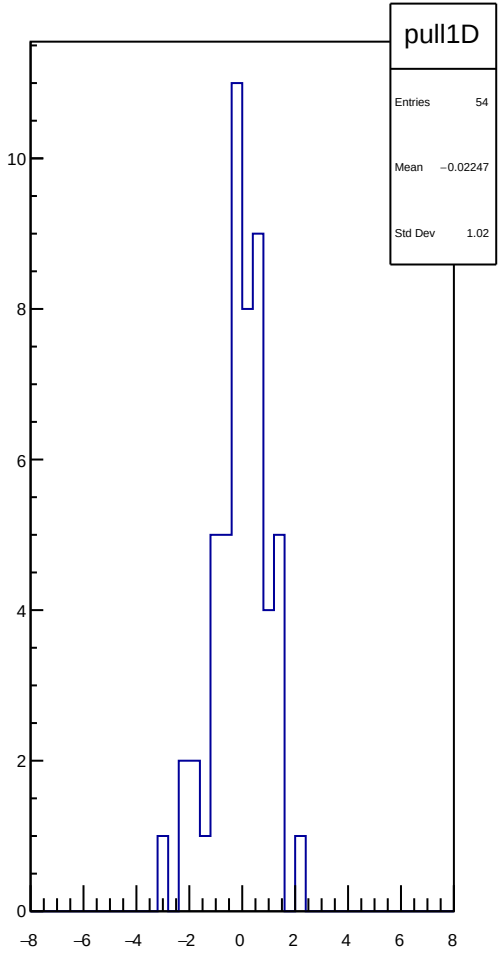

asym_sam1_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.244e+05 / 53
p0 16.97 ± 0.01755
50
40
30
20
10
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

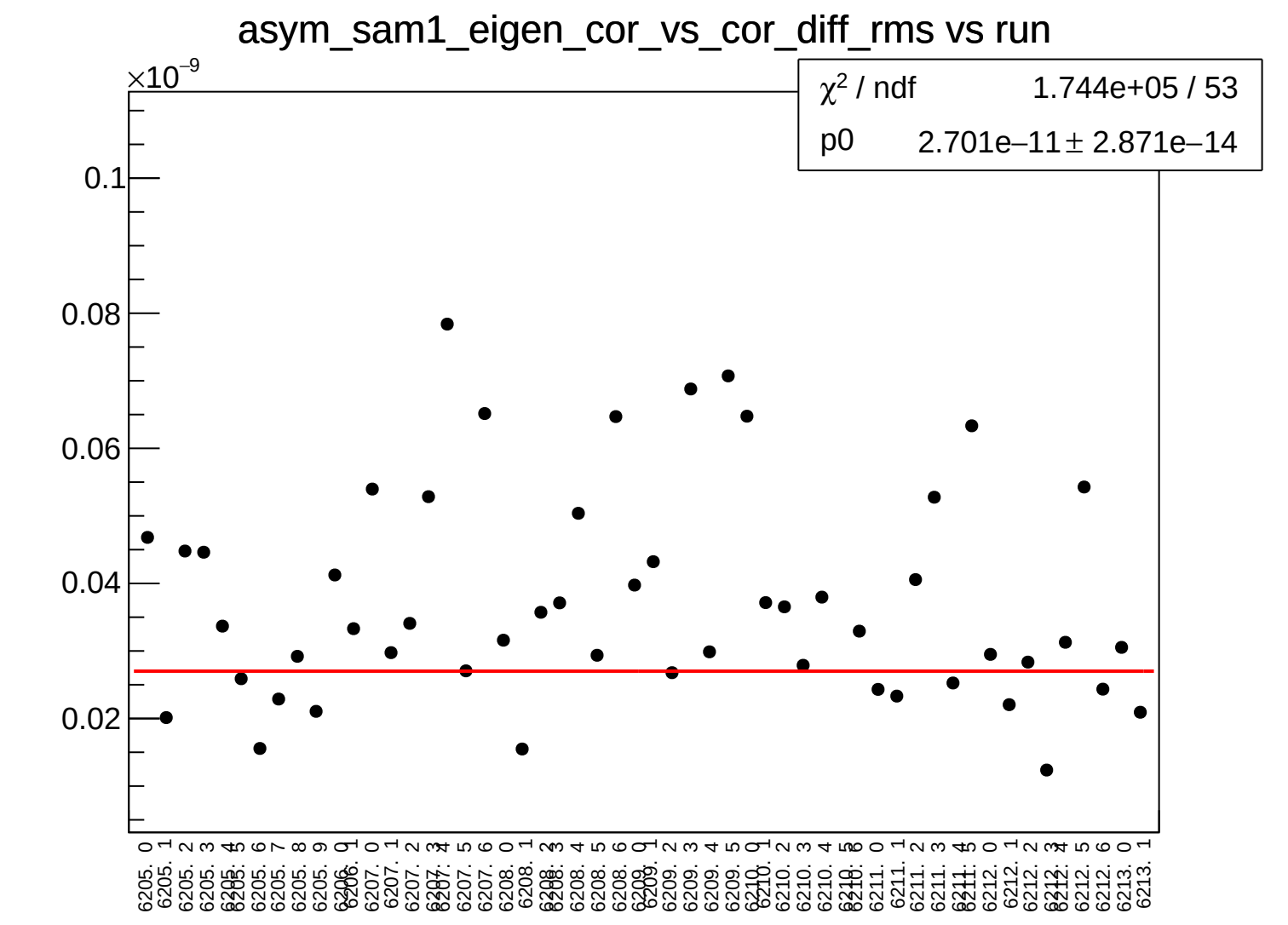

asym_sam1_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 52.33 / 53
p0 −0.02981 ± 0.02482
pull
Entries 54
Mean 50.58
Std Dev 9.79

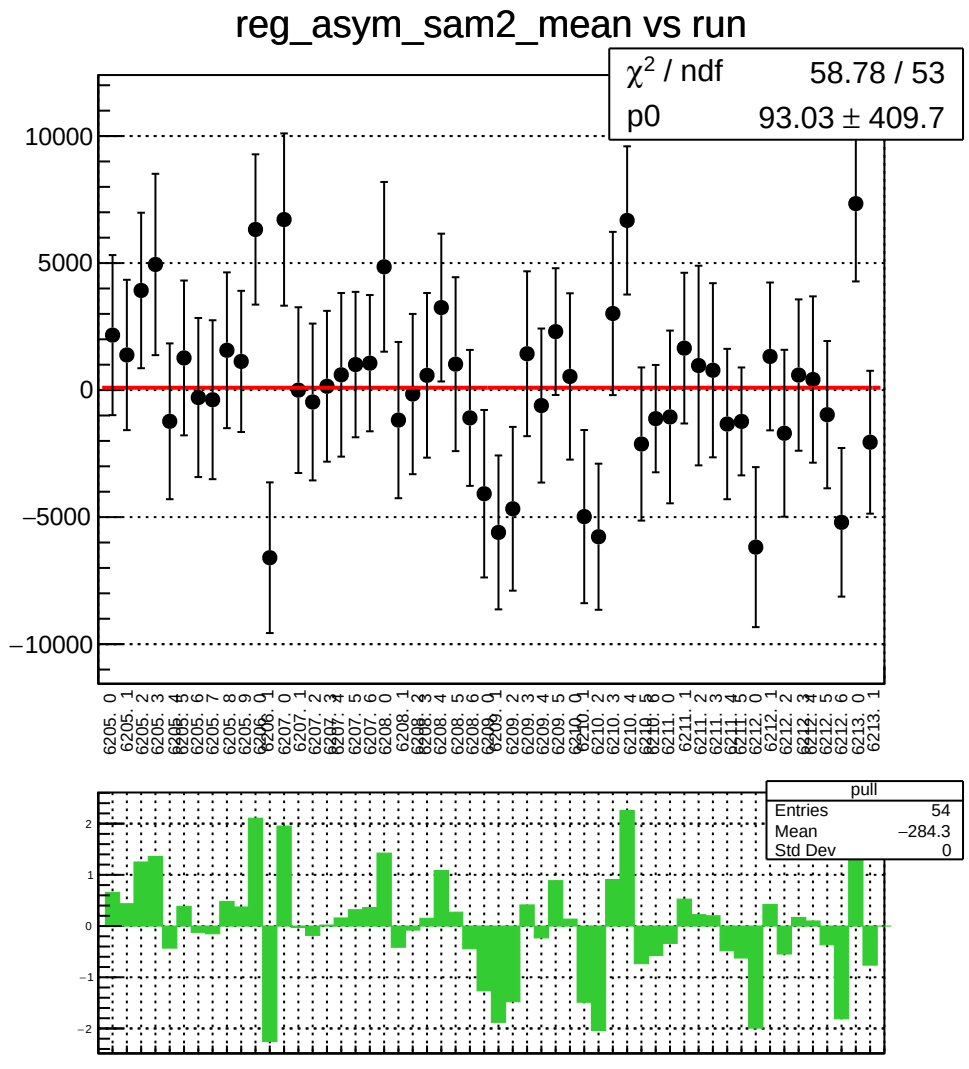

pull1D
Entries 54
Mean −0.02531
Std Dev 0.9841

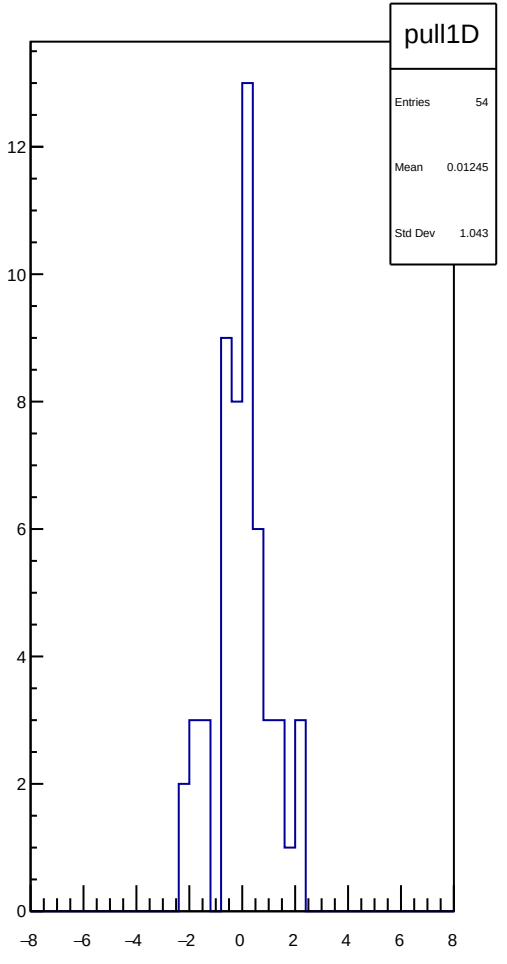

asym_sam1_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.244e+05 / 53
p0 16.97 ± 0.01755
50
40
30
20
10
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

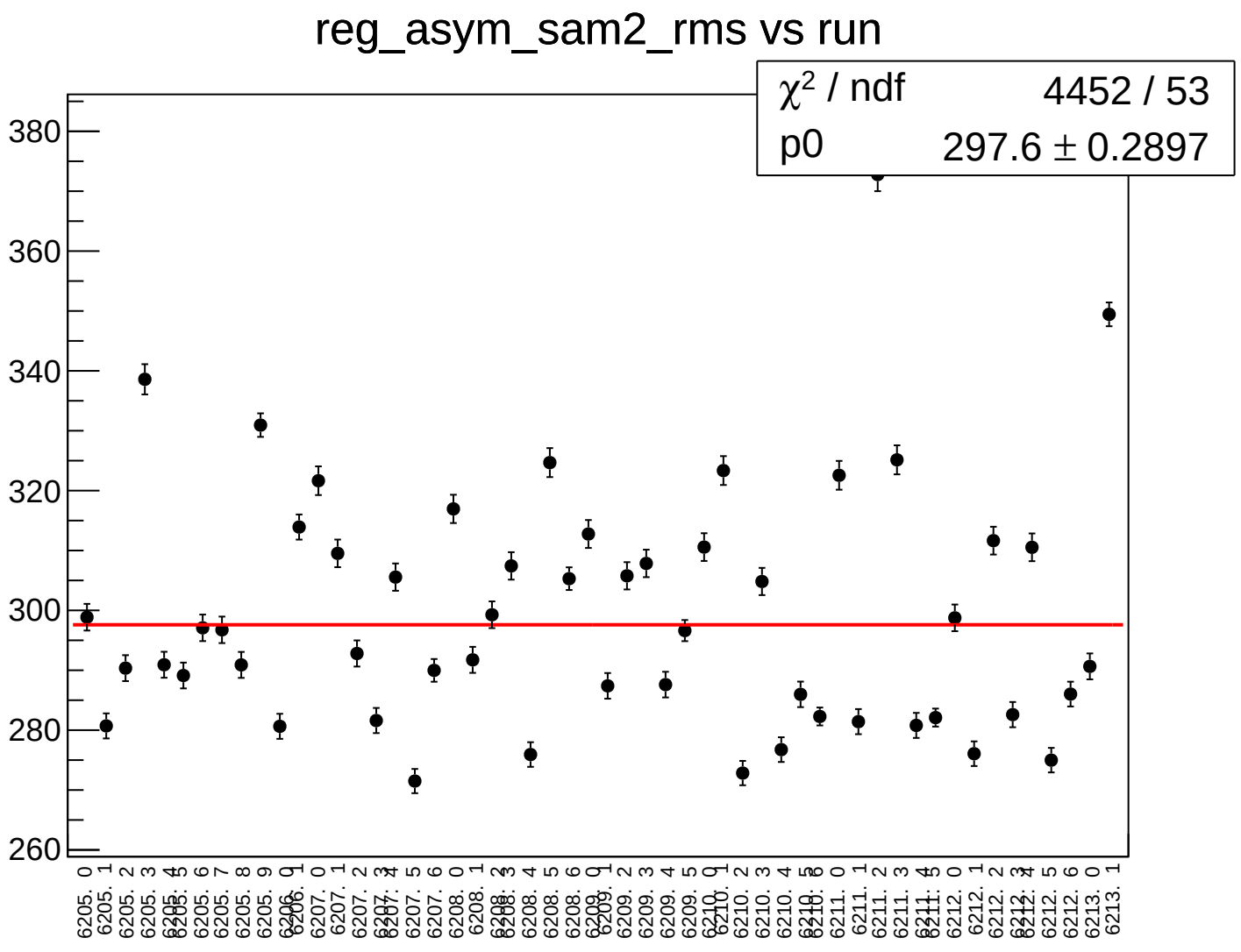

asym_sam1_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 56.17 / 53
p0 1.151e−14 ± 4.061e−14
pull
Entries 54
Mean −26.7
Std Dev 0

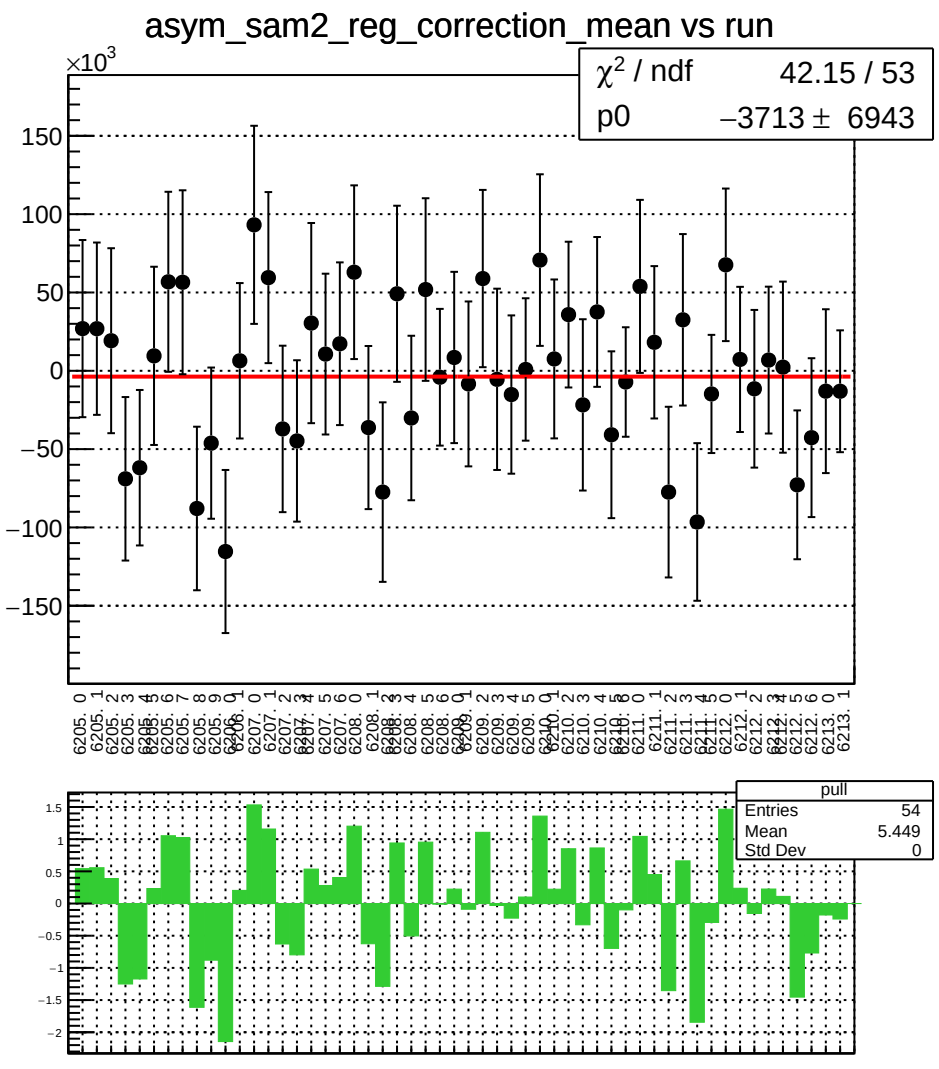

pull1D
Entries 54
Mean −0.02247
Std Dev 1.02

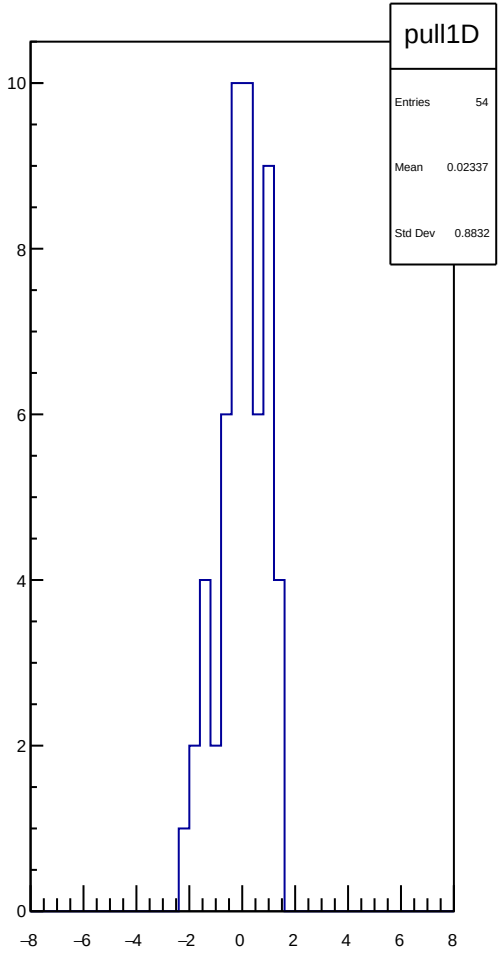

asym_sam1_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 1.744e+05 / 53
p0 2.701e−11 ± 2.871e−14
0.1
0.08
0.06
0.04
0.02
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

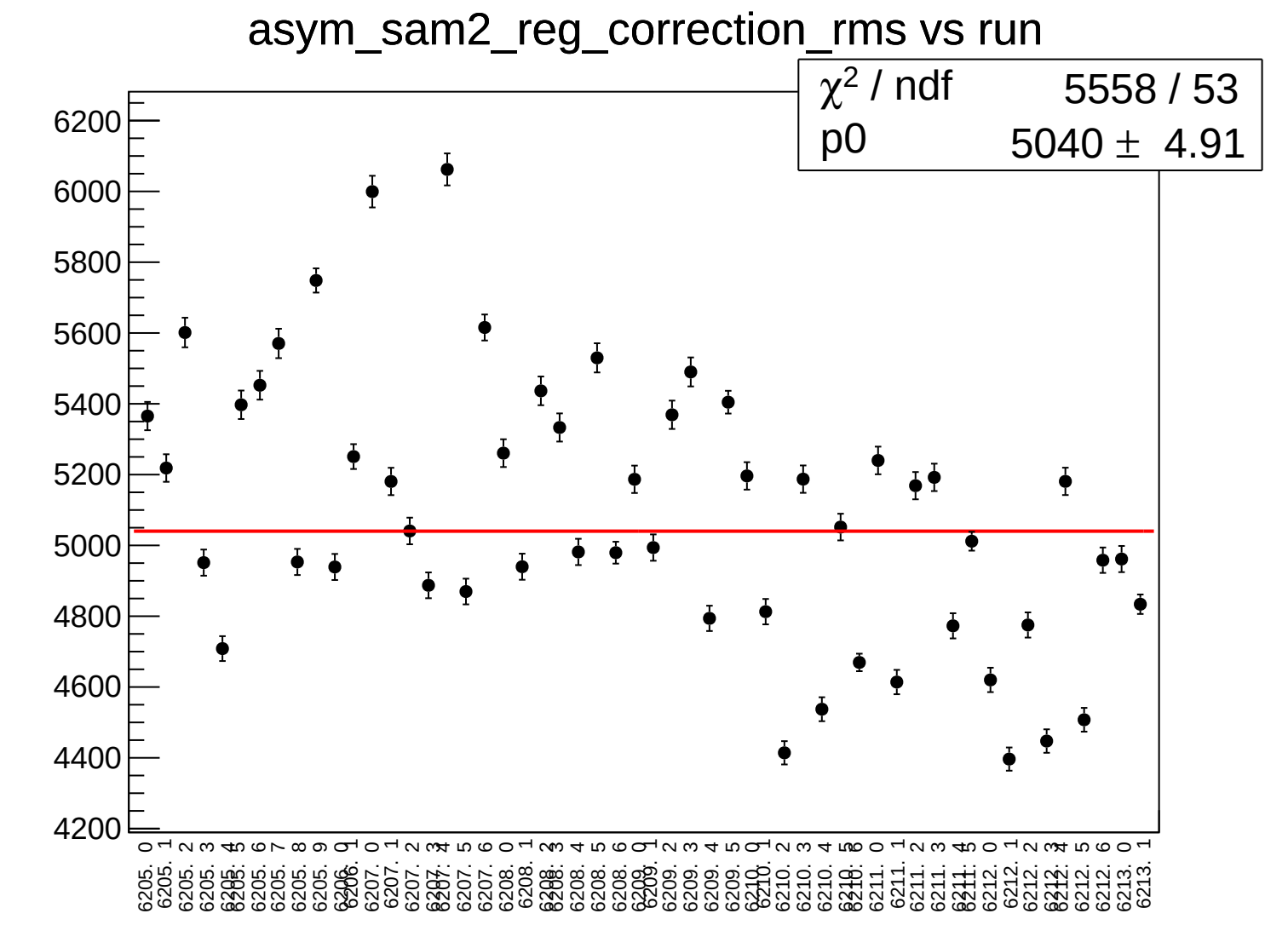

reg_asym_sam2_mean vs run
χ² / ndf 58.78 / 53
p0 93.03 ± 409.7
10000
5000
0
−5000
−10000
pull
Entries 54
Mean −284.3
Std Dev 0
2
1
0
−1
−2

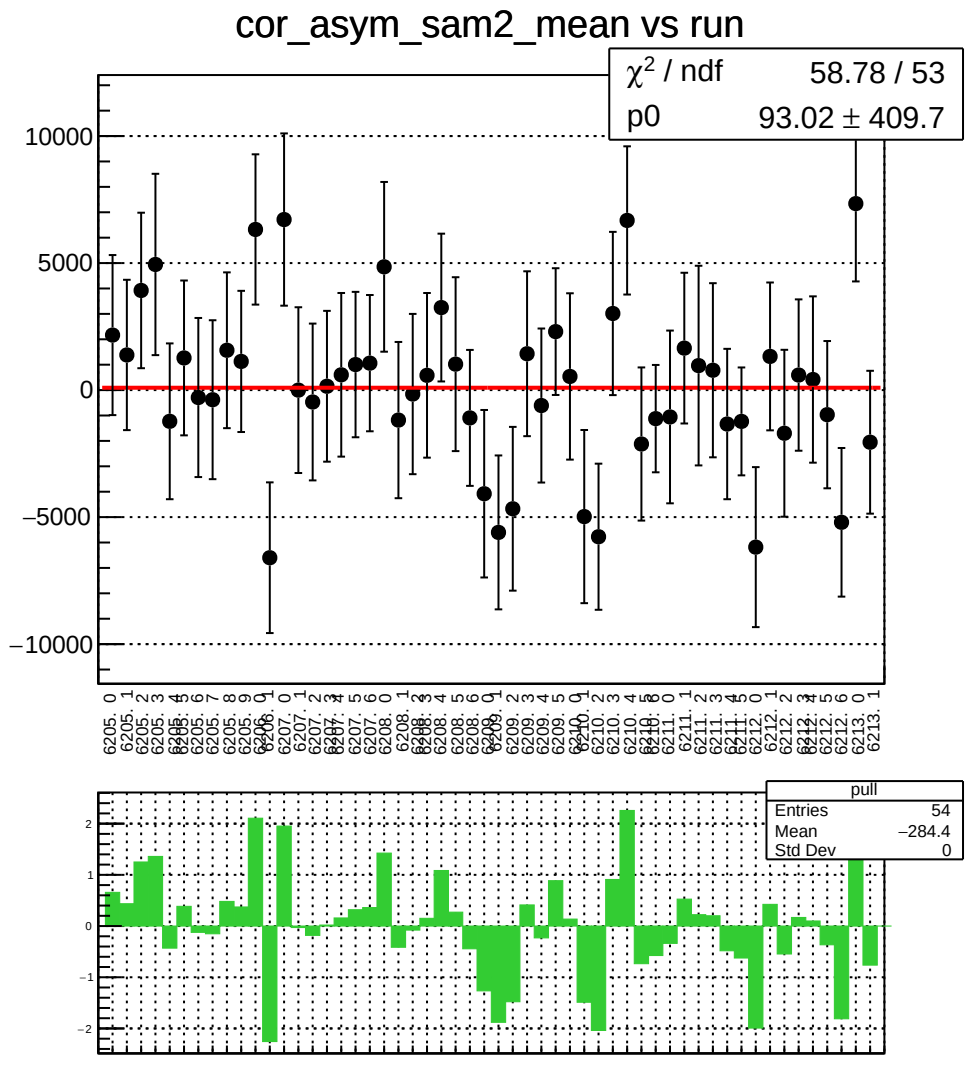

pull1D
Entries 54
Mean 0.01245
Std Dev 1.043
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

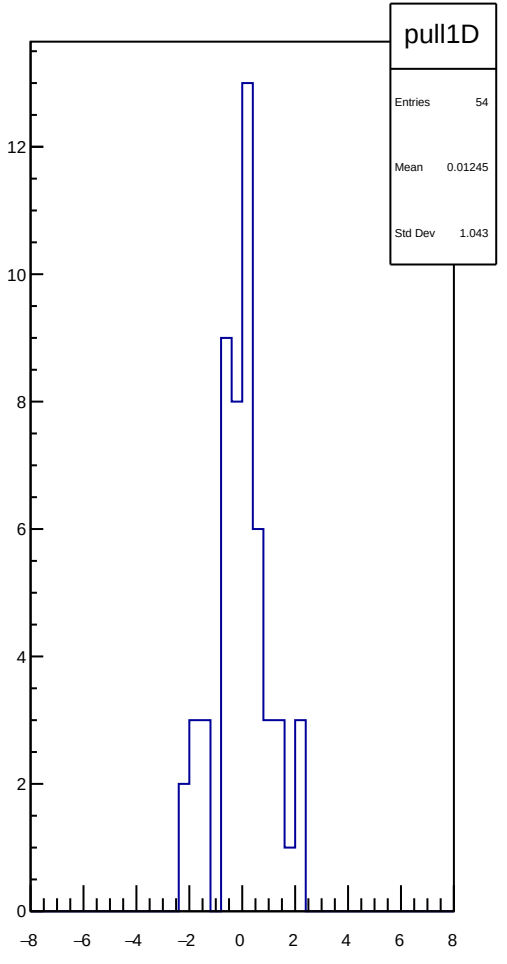

reg_asym_sam2_rms vs run
χ² / ndf 4452 / 53
p0 297.6 ± 0.2897
380
360
340
320
300
280
260
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

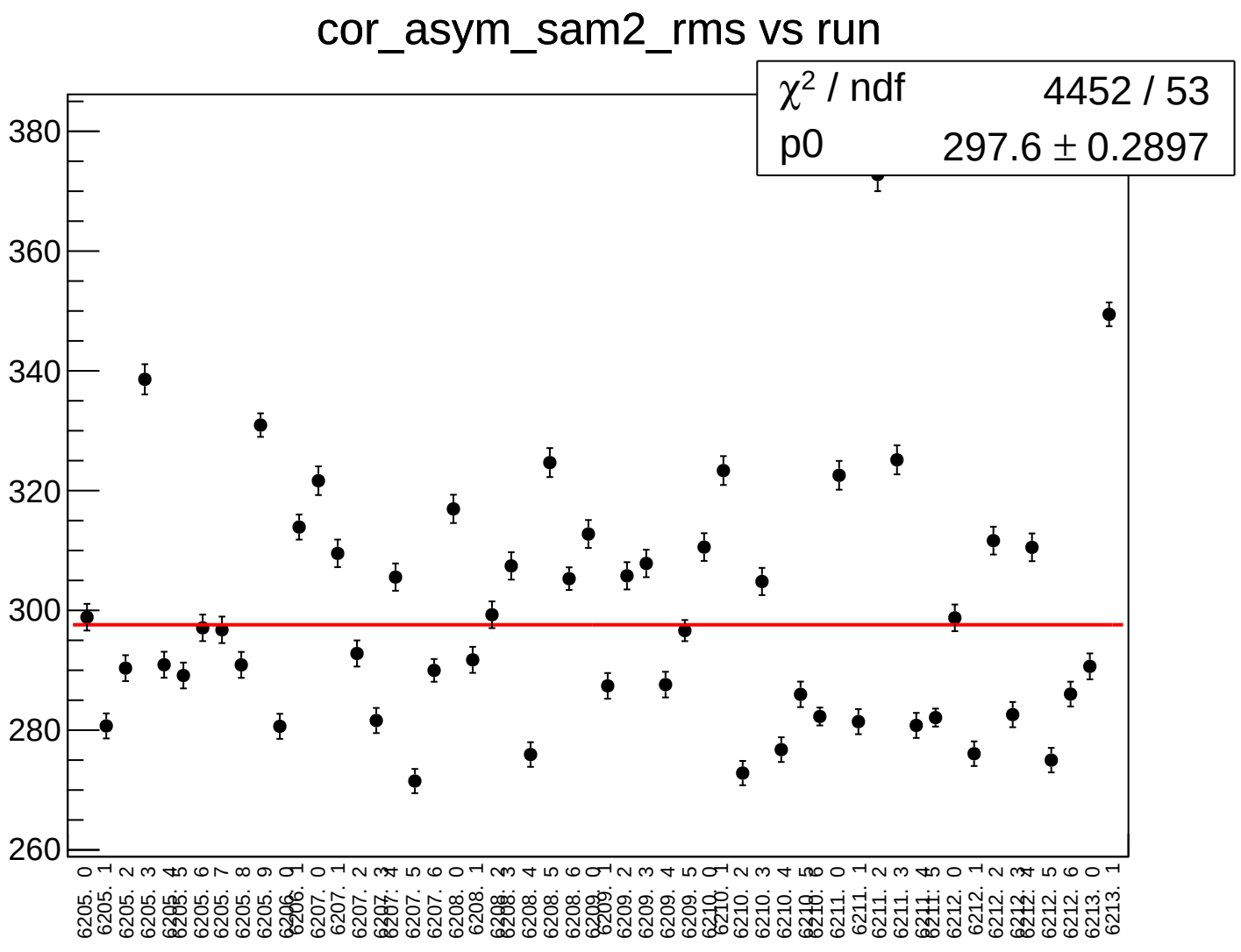

asym_sam2_reg_correction_mean vs run
×10^3
χ^2 / ndf 42.15 / 53
p0 −3713 ± 6943
150
100
50
0
−50
−100
−150
pull
Entries 54
Mean 5.449
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

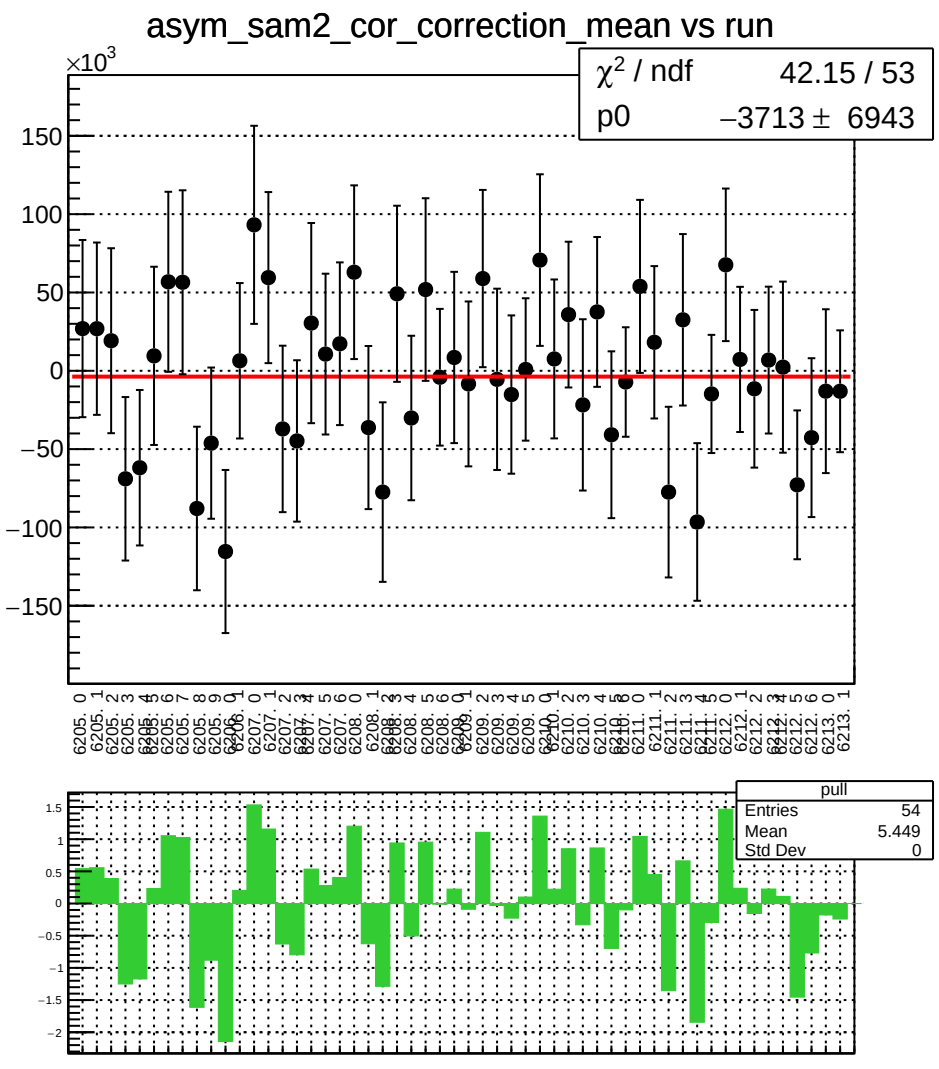

pull1D
Entries 54
Mean 0.02337
Std Dev 0.8832
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

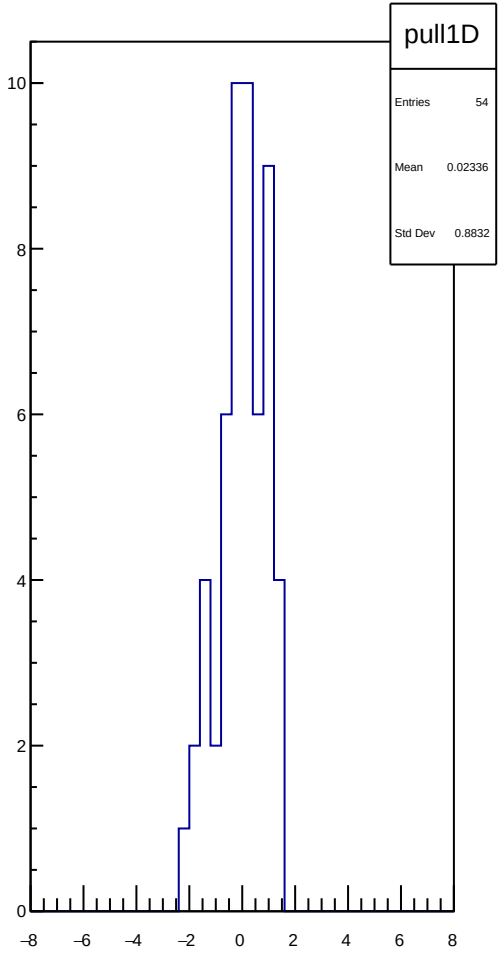

asym_sam2_reg_correction_rms vs run
χ² / ndf 5558 / 53
p0 5040 ± 4.91
6200
6000
5800
5600
5400
5200
5000
4800
4600
4400
4200


cor_asym_sam2_mean vs run
χ² / ndf 58.78 / 53
p0 93.02 ± 409.7
10000
5000
0
−5000
−10000
pull
Entries 54
Mean −284.4
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 54
Mean 0.01245
Std Dev 1.043
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_sam2_rms vs run
χ² / ndf 4452 / 53
p0 297.6 ± 0.2897
380
360
340
320
300
280
260
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 1
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1


asym_sam2_cor_correction_mean vs run
×10^3
χ² / ndf 42.15 / 53
p0 −3713 ± 6943
150
100
50
0
−50
−100
−150
pull
Entries 54
Mean 5.449
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 54
Mean 0.02336
Std Dev 0.8832
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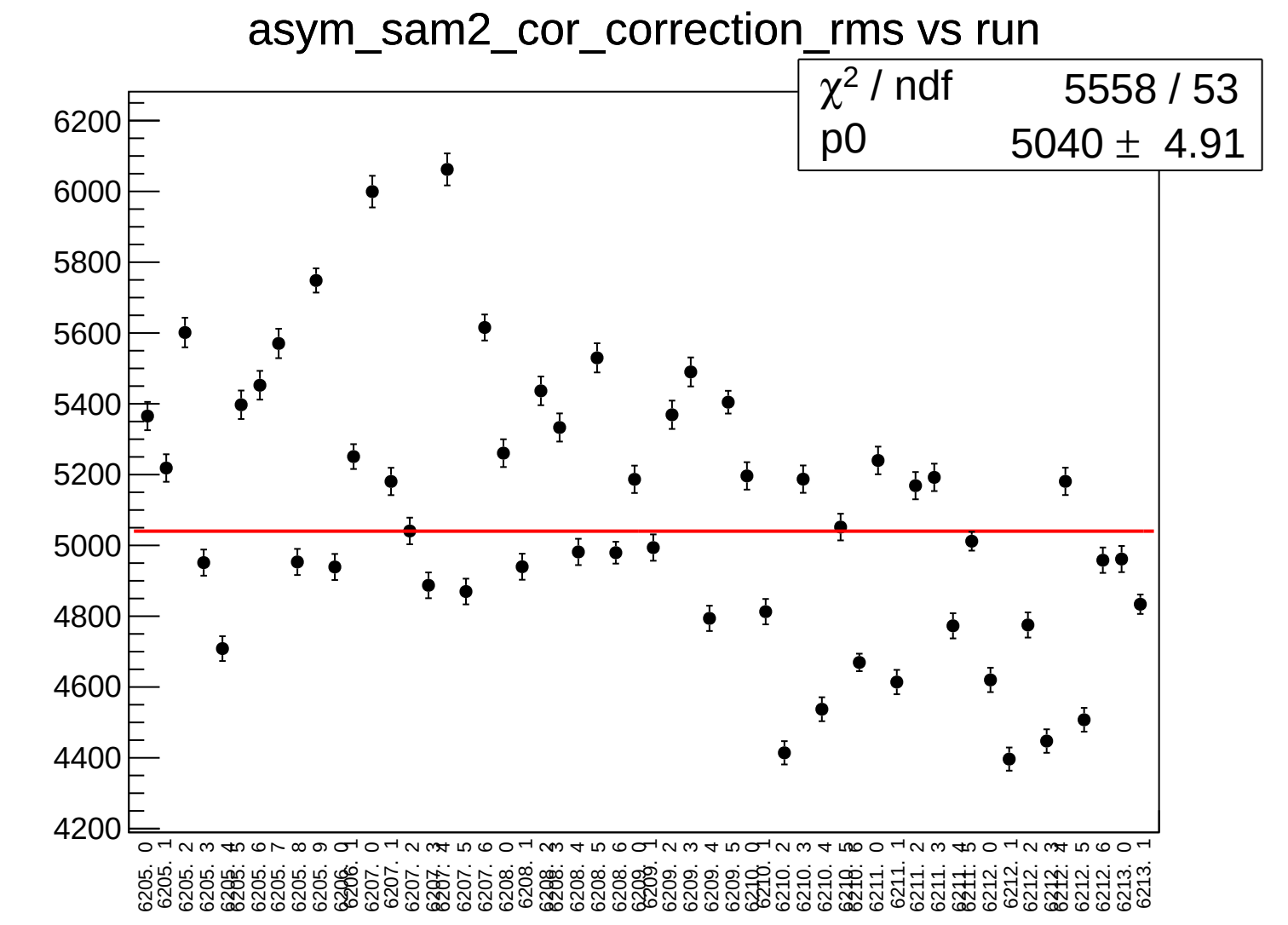
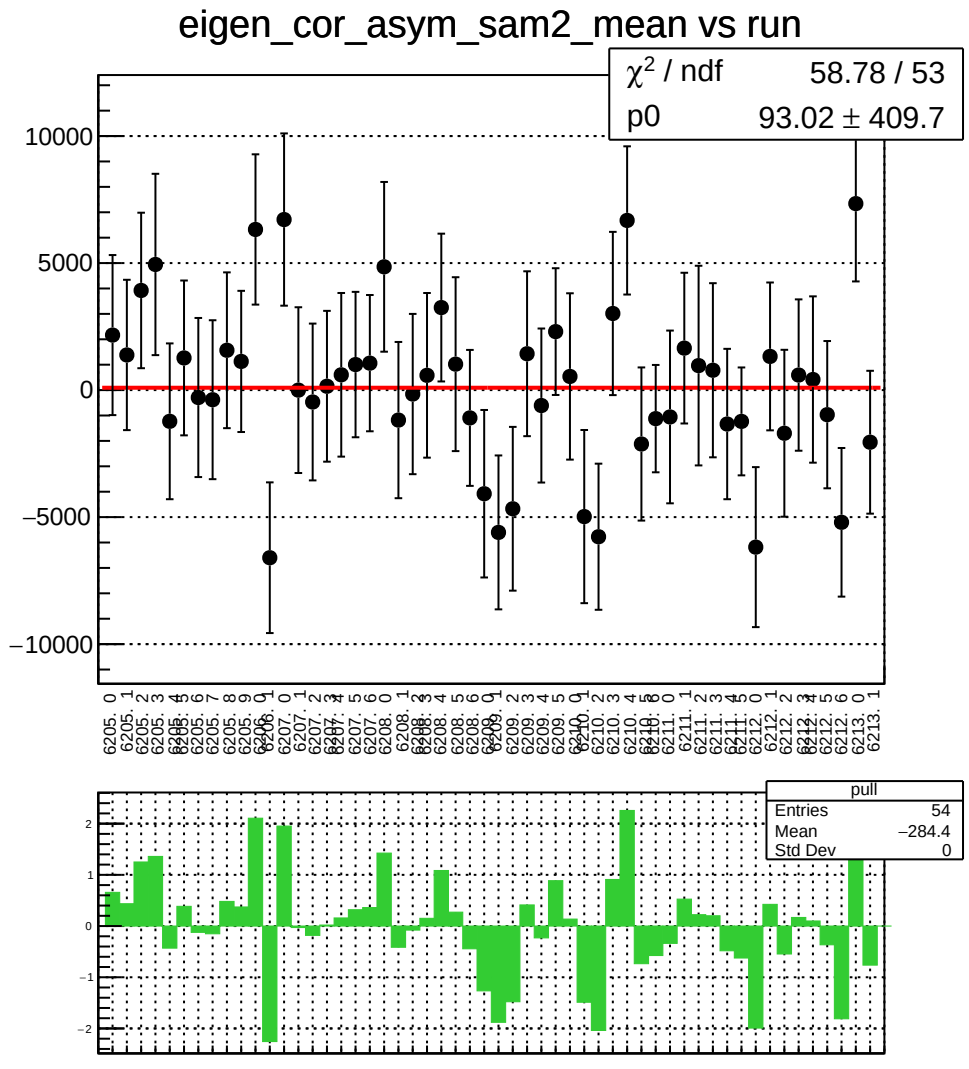
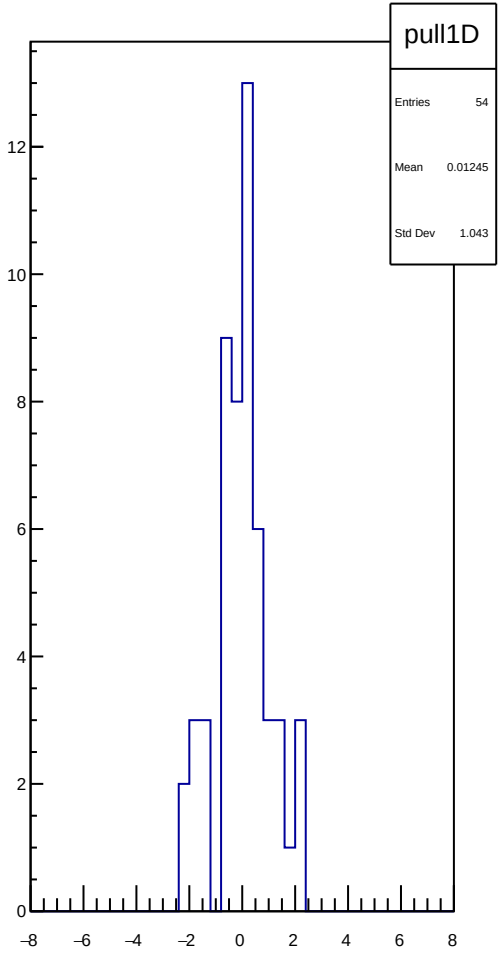
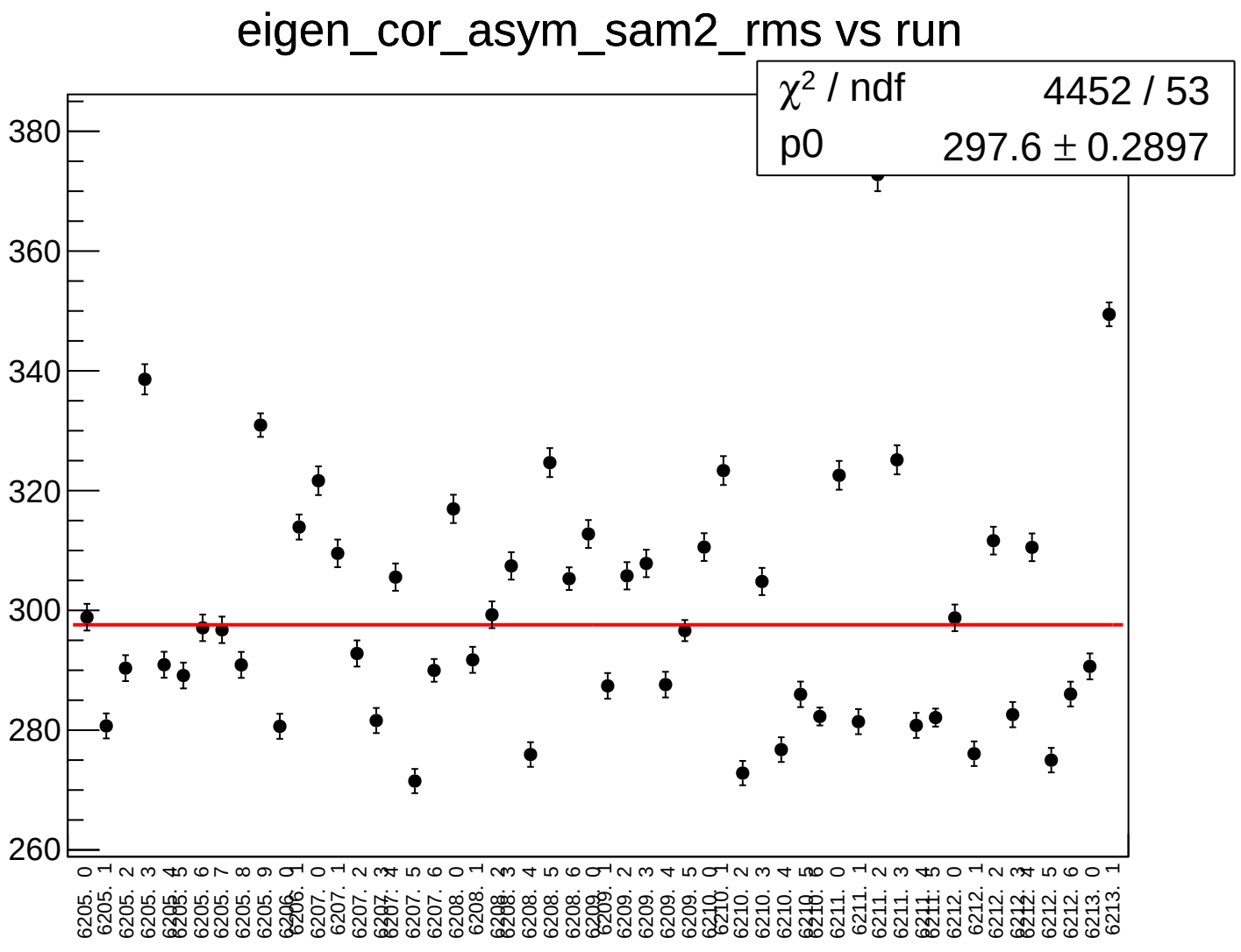
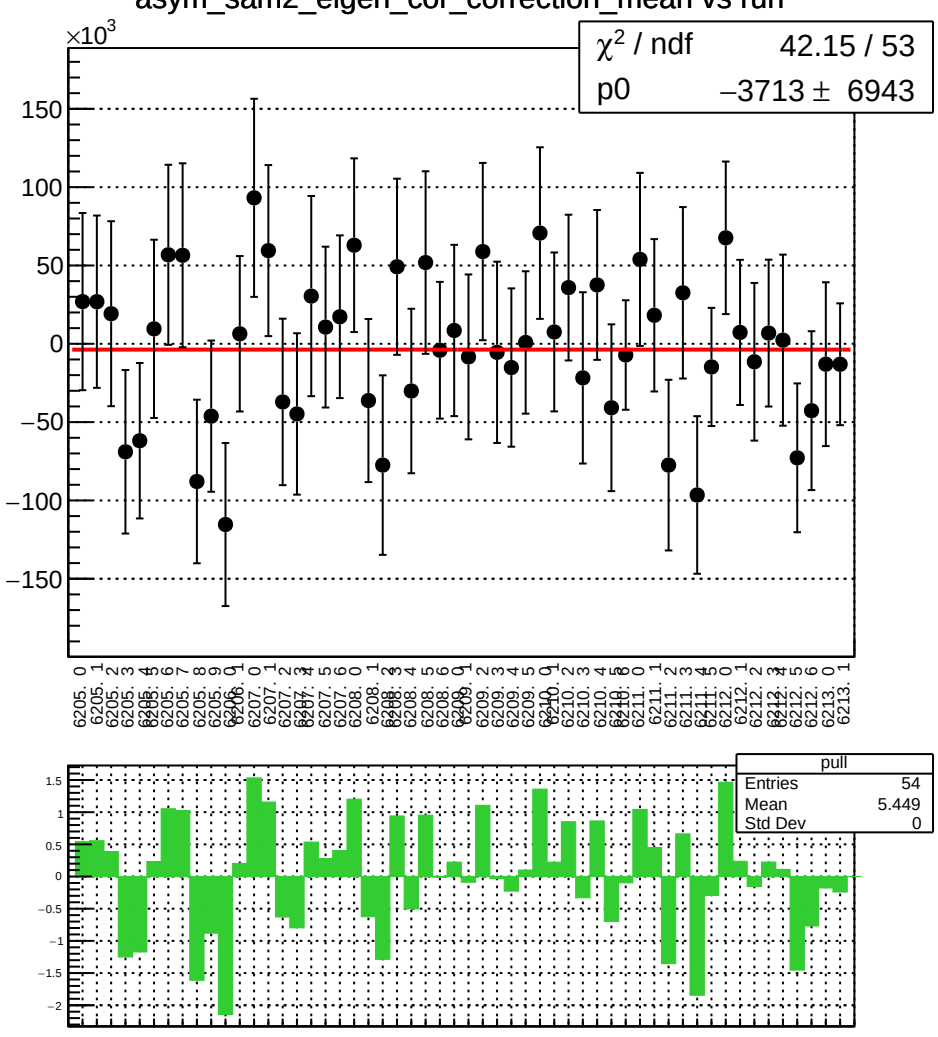
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

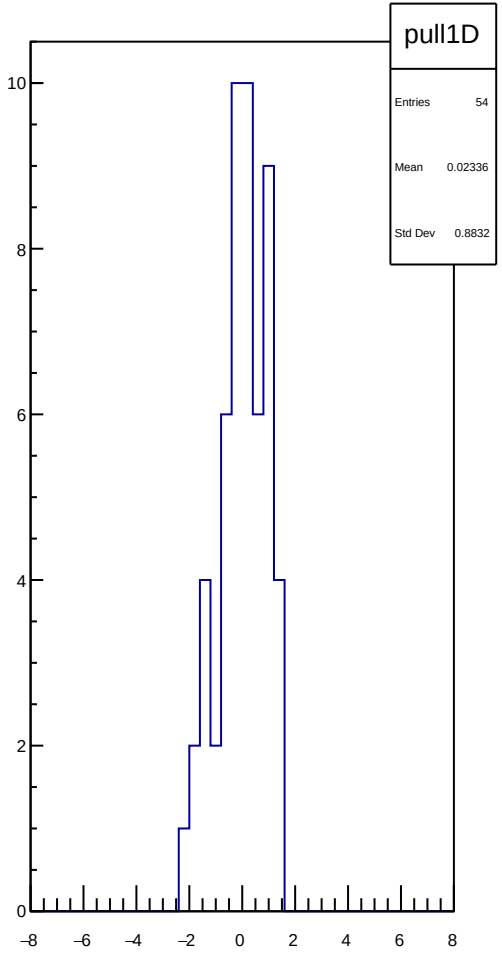

asym_sam2_cor_correction_rms vs run
χ² / ndf 5558 / 53
p0 5040 ± 4.91
6200
6000
5800
5600
5400
5200
5000
4800
4600
4400
4200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 1
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

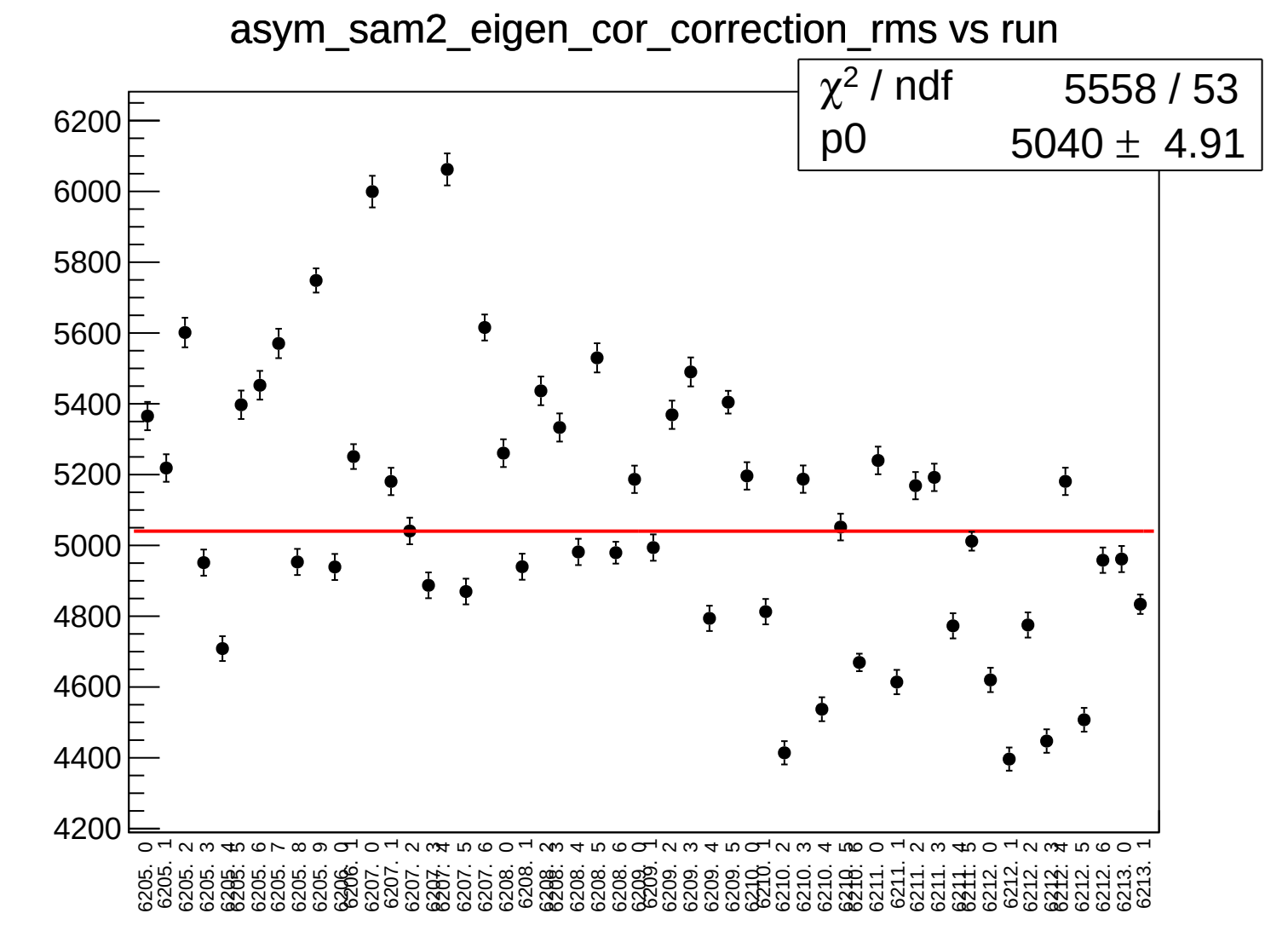

eigen_cor_asym_sam2_mean vs run
χ² / ndf 58.78 / 53
p0 93.02 ± 409.7
10000
5000
0
−5000
−10000
pull
Entries 54
Mean −284.4
Std Dev 0
2
1
0
−1
−2

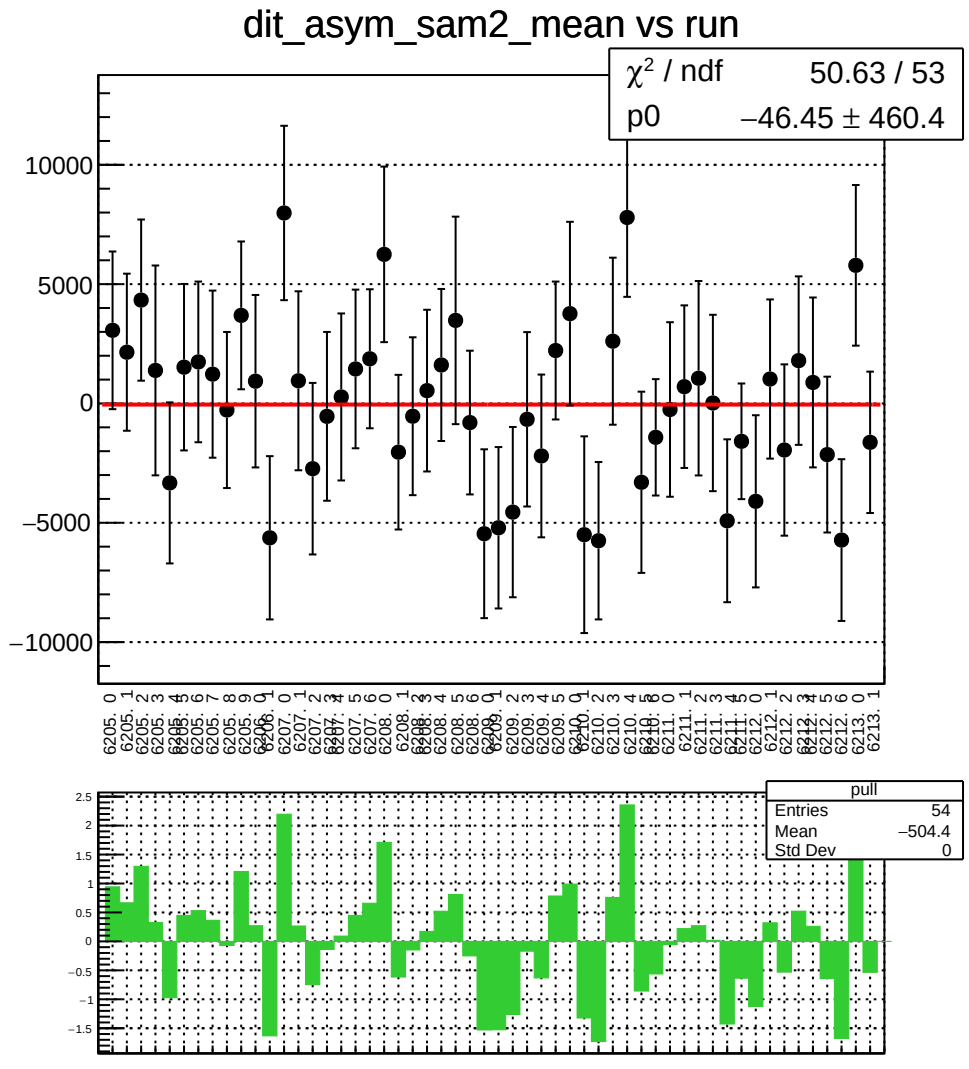

pull1D
Entries 54
Mean 0.01245
Std Dev 1.043
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

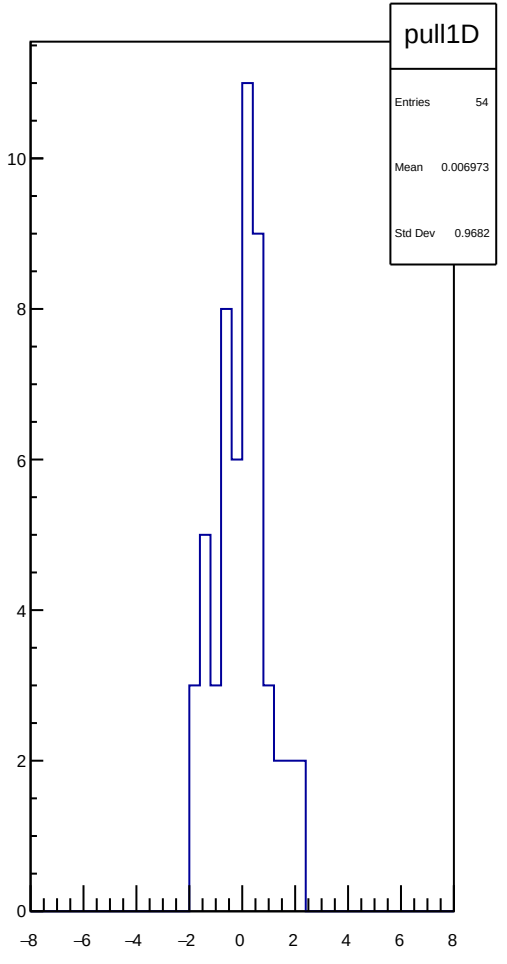

eigen_cor_asym_sam2_rms vs run
χ² / ndf 4452 / 53
p0 297.6 ± 0.2897
380
360
340
320
300
280
260
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

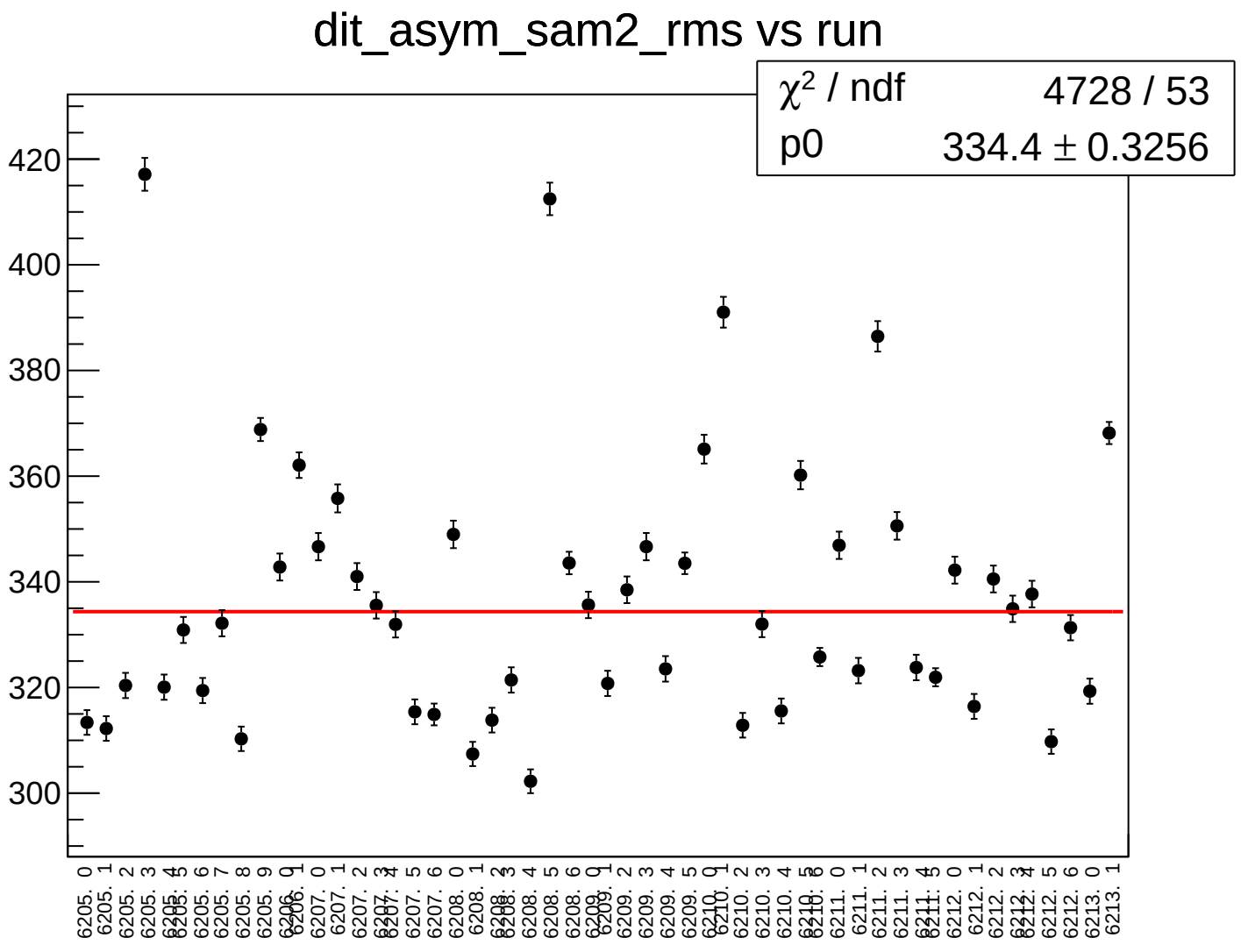

asym_sam2_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 42.15 / 53
p0 −3713 ± 6943
150
100
50
0
−50
−100
−150
pull
Entries 54
Mean 5.449
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

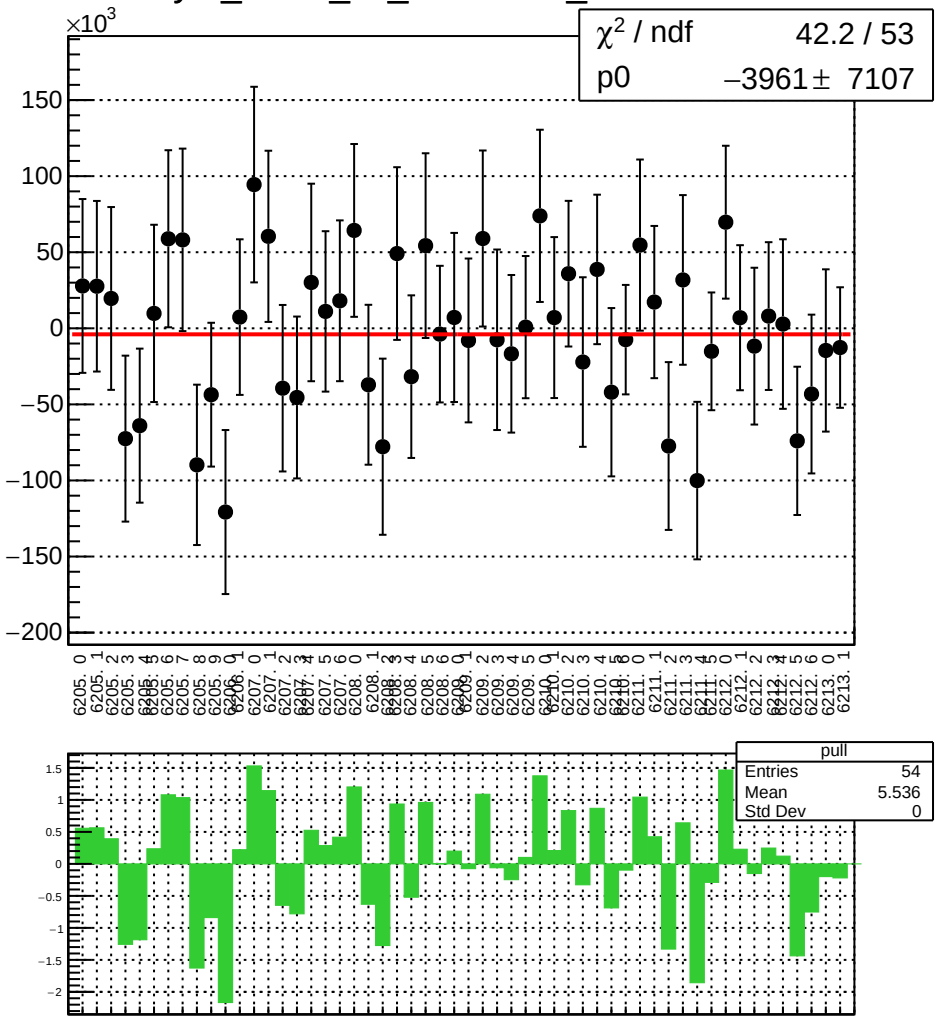

pull1D
Entries 54
Mean 0.02336
Std Dev 0.8832
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

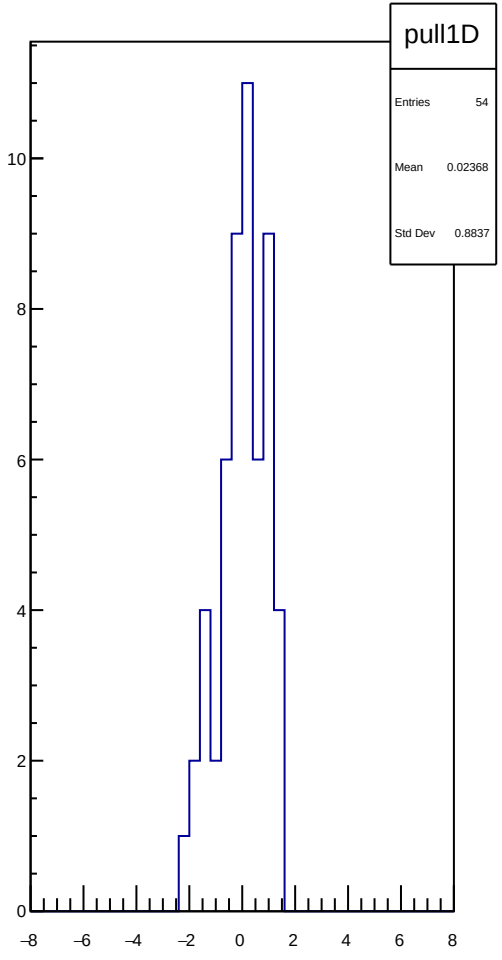

asym_sam2_eigen_cor_correction_rms vs run
χ² / ndf 5558 / 53
p0 5040 ± 4.91
6200
6000
5800
5600
5400
5200
5000
4800
4600
4400
4200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

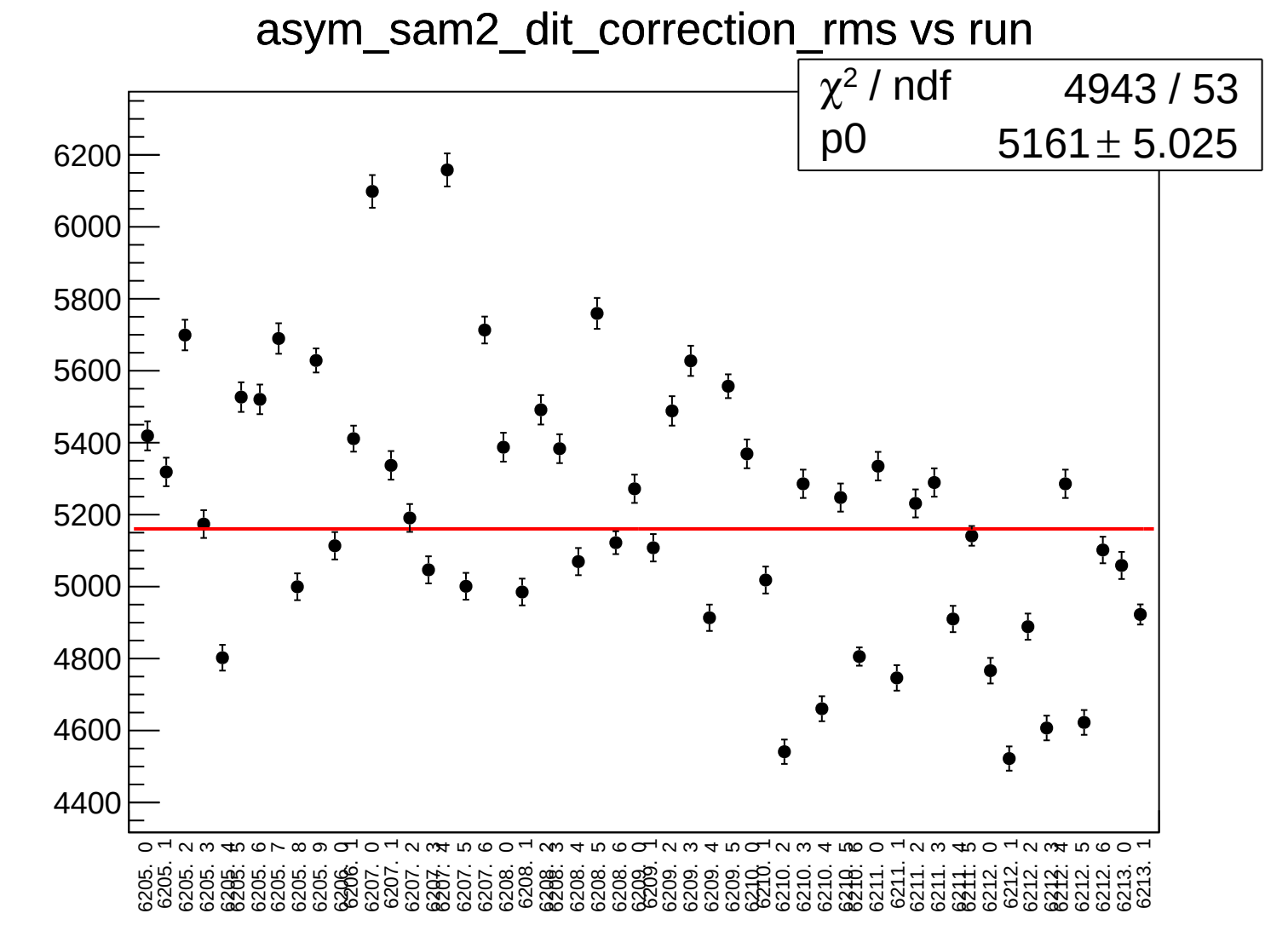

dit_asym_sam2_mean vs run
χ² / ndf 50.63 / 53
p0 −46.45 ± 460.4
10000
5000
0
−5000
−10000
pull
Entries 54
Mean −504.4
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

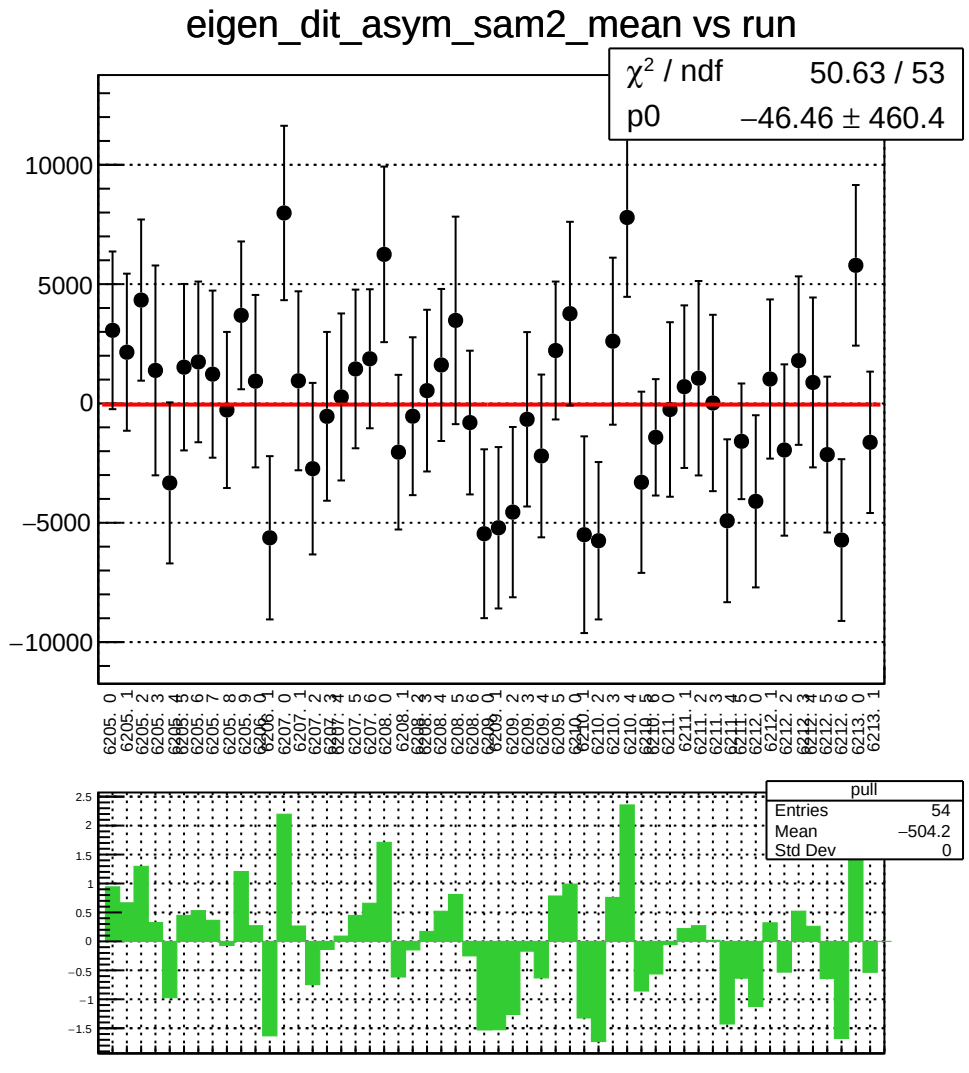

pull1D
Entries 54
Mean 0.006973
Std Dev 0.9682
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

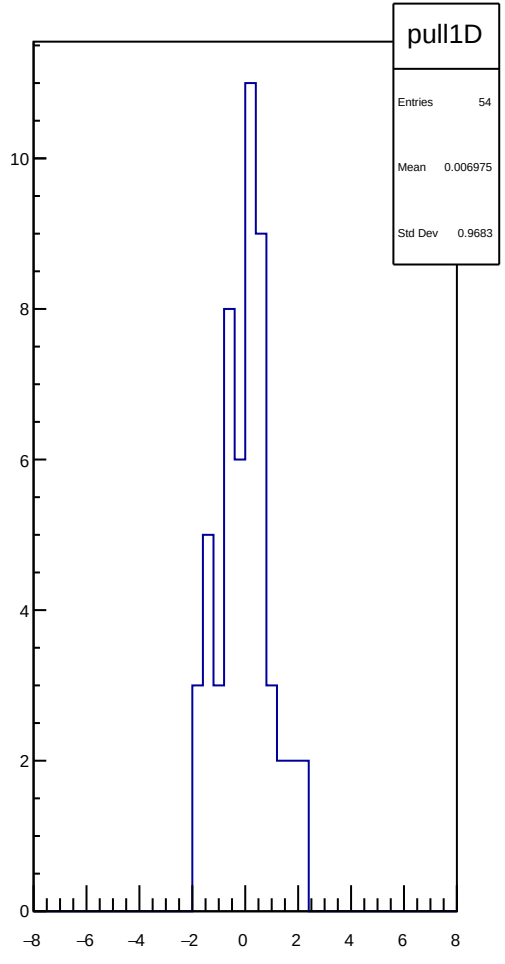

dit_asym_sam2_rms vs run
χ² / ndf 4728 / 53
p0 334.4 ± 0.3256
420
400
380
360
340
320
300
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

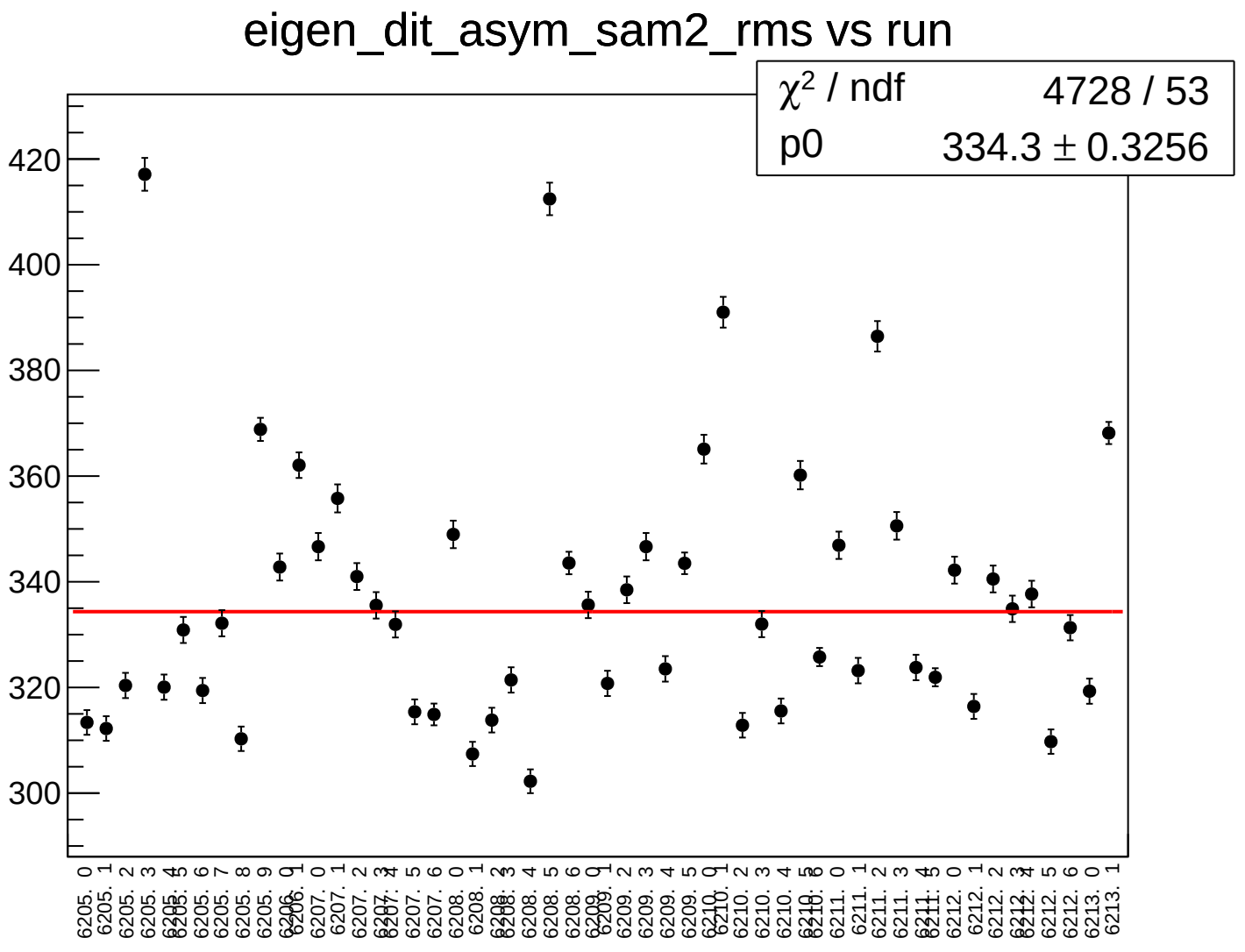

asym_sam2_dit_correction_mean vs run
×10^3
χ² / ndf 42.2 / 53
p0 −3961 ± 7107
150
100
50
0
−50
−100
−150
−200
pull
Entries 54
Mean 5.536
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

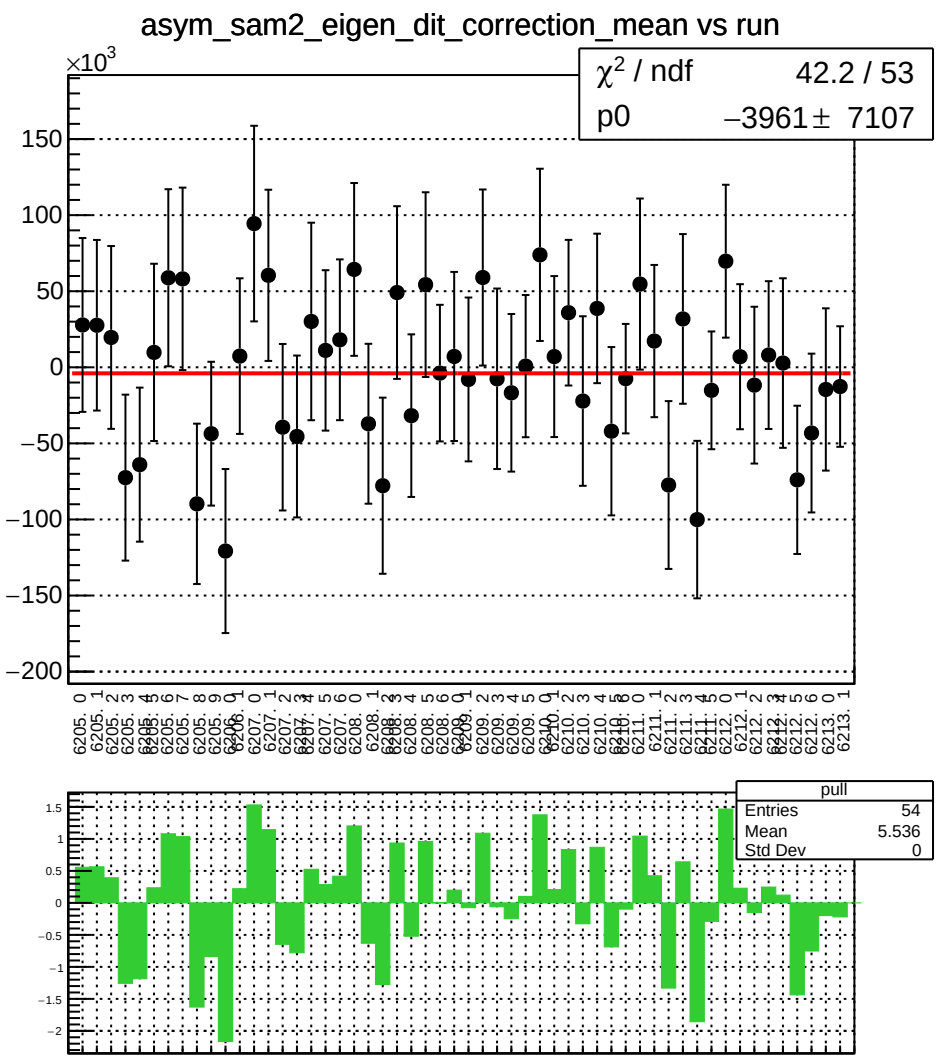

pull1D
Entries 54
Mean 0.02368
Std Dev 0.8837
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

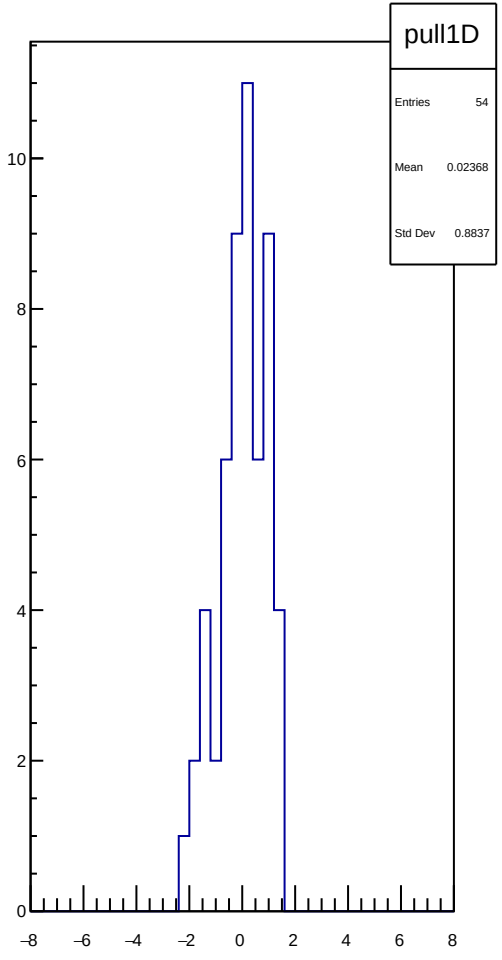

asym_sam2_dit_correction_rms vs run
χ² / ndf 4943 / 53
p0 5161 ± 5.025
6200
6000
5800
5600
5400
5200
5000
4800
4600
4400

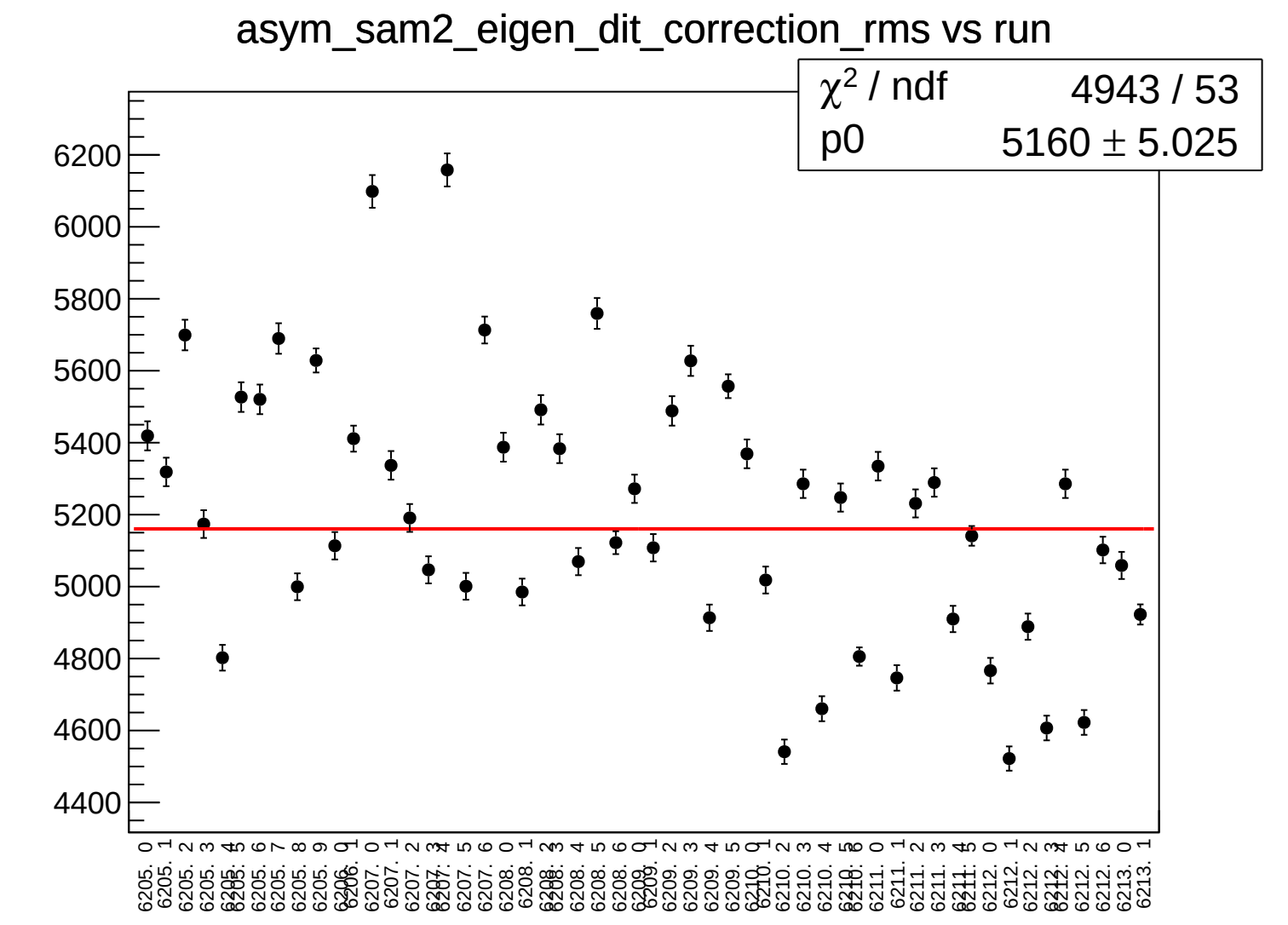

eigen_dit_asym_sam2_mean vs run
χ² / ndf 50.63 / 53
p0 −46.46 ± 460.4
10000
5000
0
−5000
−10000
pull
Entries 54
Mean −504.2
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

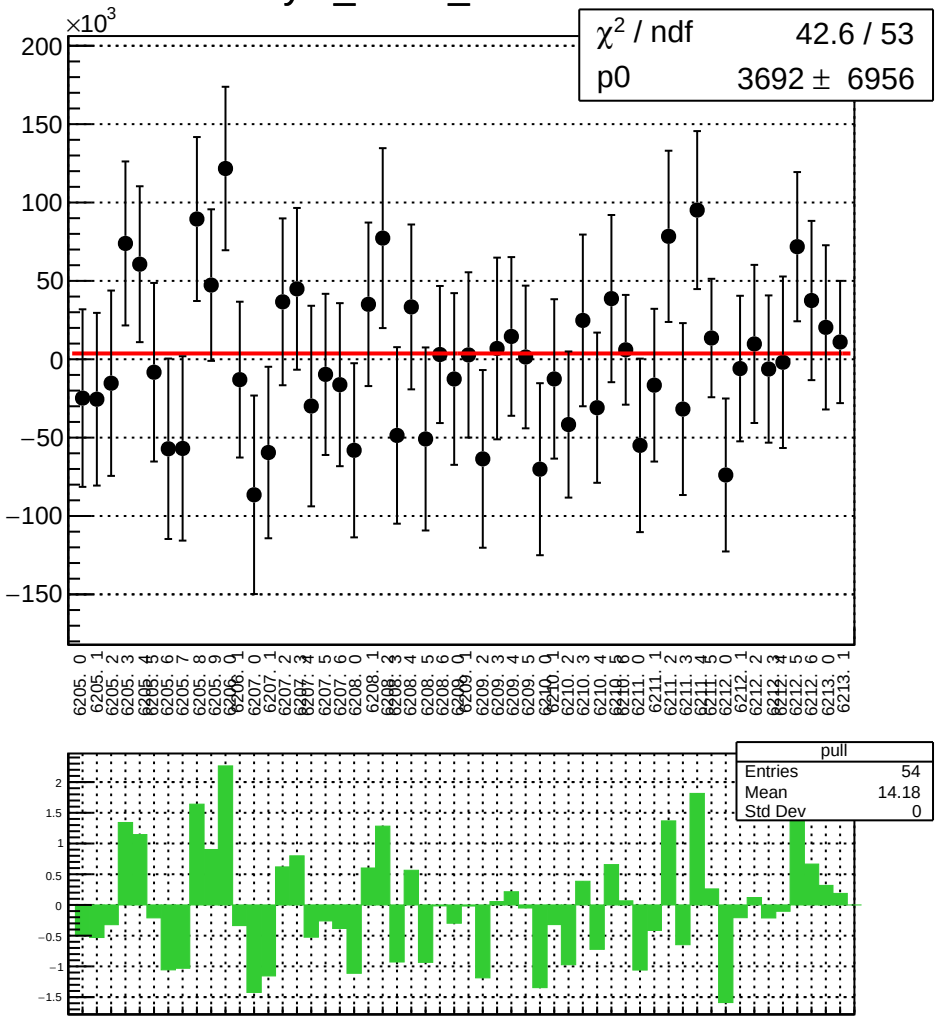

pull1D
Entries 54
Mean 0.006975
Std Dev 0.9683
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

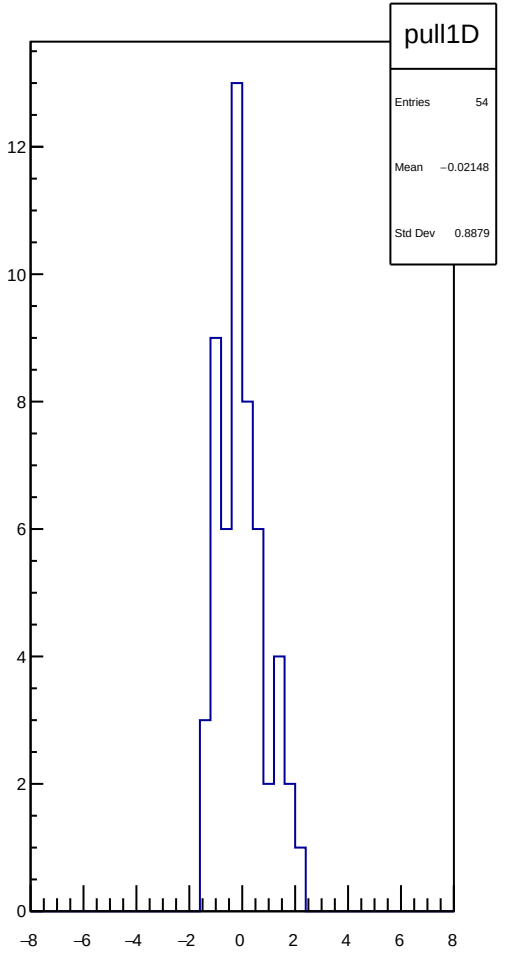

eigen_dit_asym_sam2_rms vs run
χ² / ndf 4728 / 53
p0 334.3 ± 0.3256
420
400
380
360
340
320
300
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

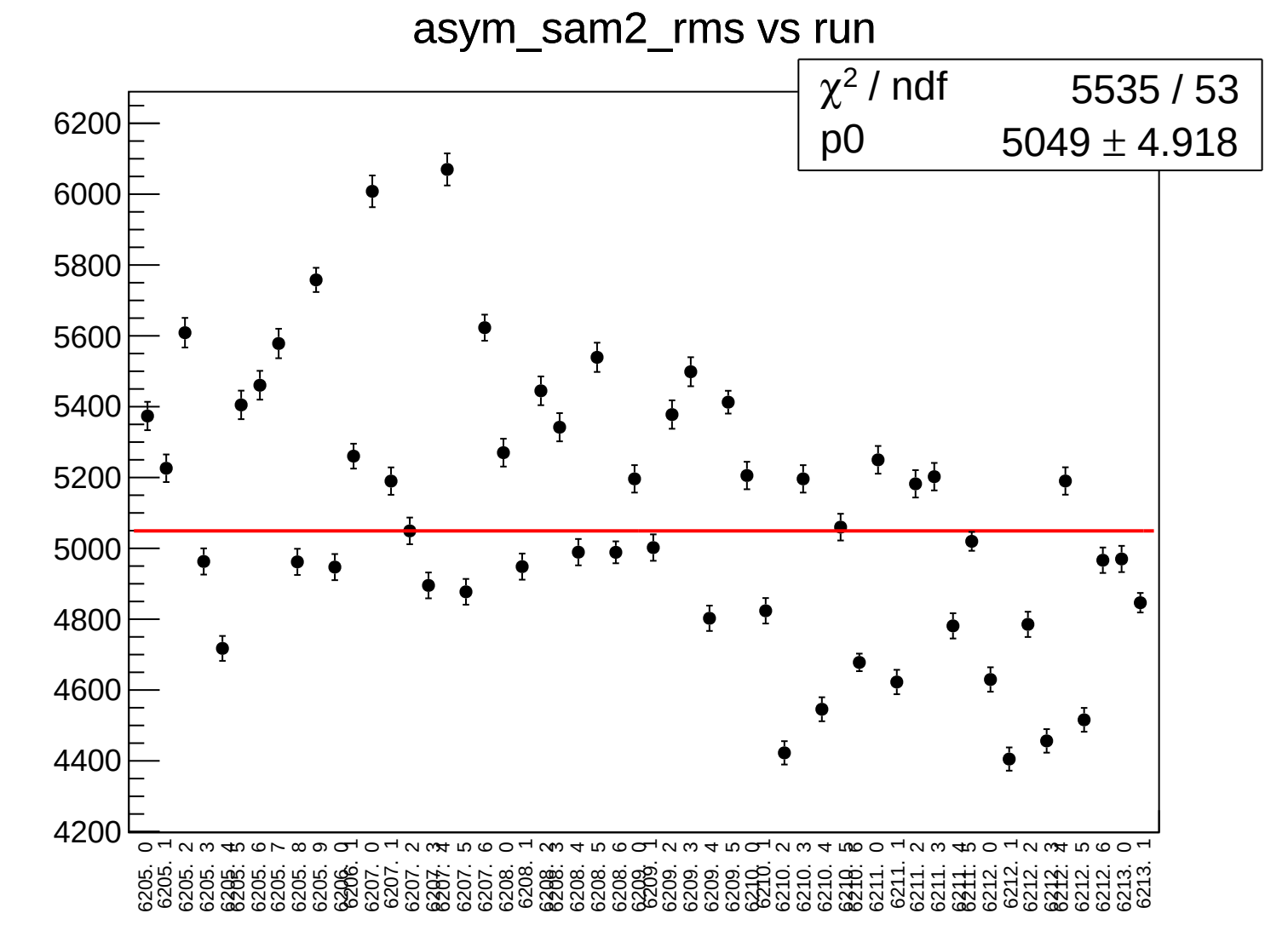

asym_sam2_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 42.2 / 53
p0 −3961 ± 7107
150
100
50
0
−50
−100
−150
−200
pull
Entries 54
Mean 5.536
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

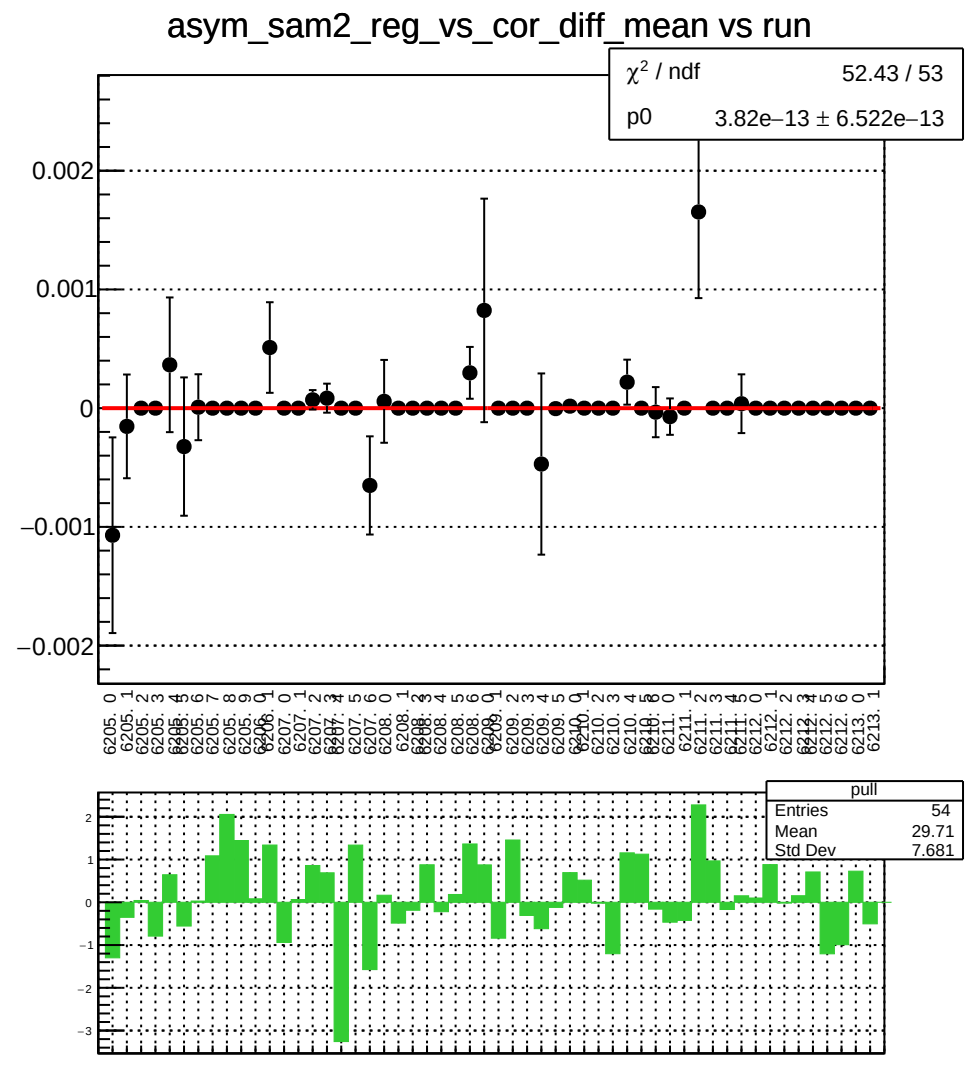

pull1D
Entries 54
Mean 0.02368
Std Dev 0.8837
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

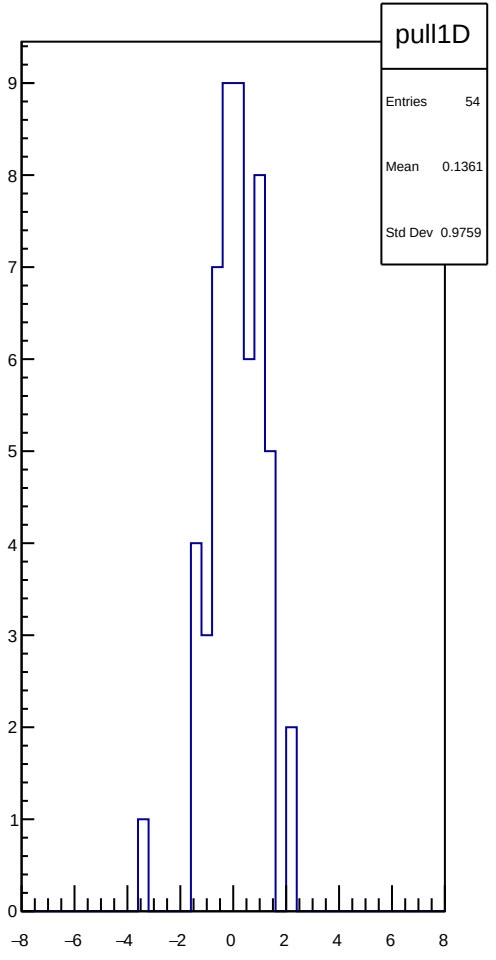

asym_sam2_eigen_dit_correction_rms vs run
χ² / ndf 4943 / 53
p0 5160 ± 5.025
6200
6000
5800
5600
5400
5200
5000
4800
4600
4400

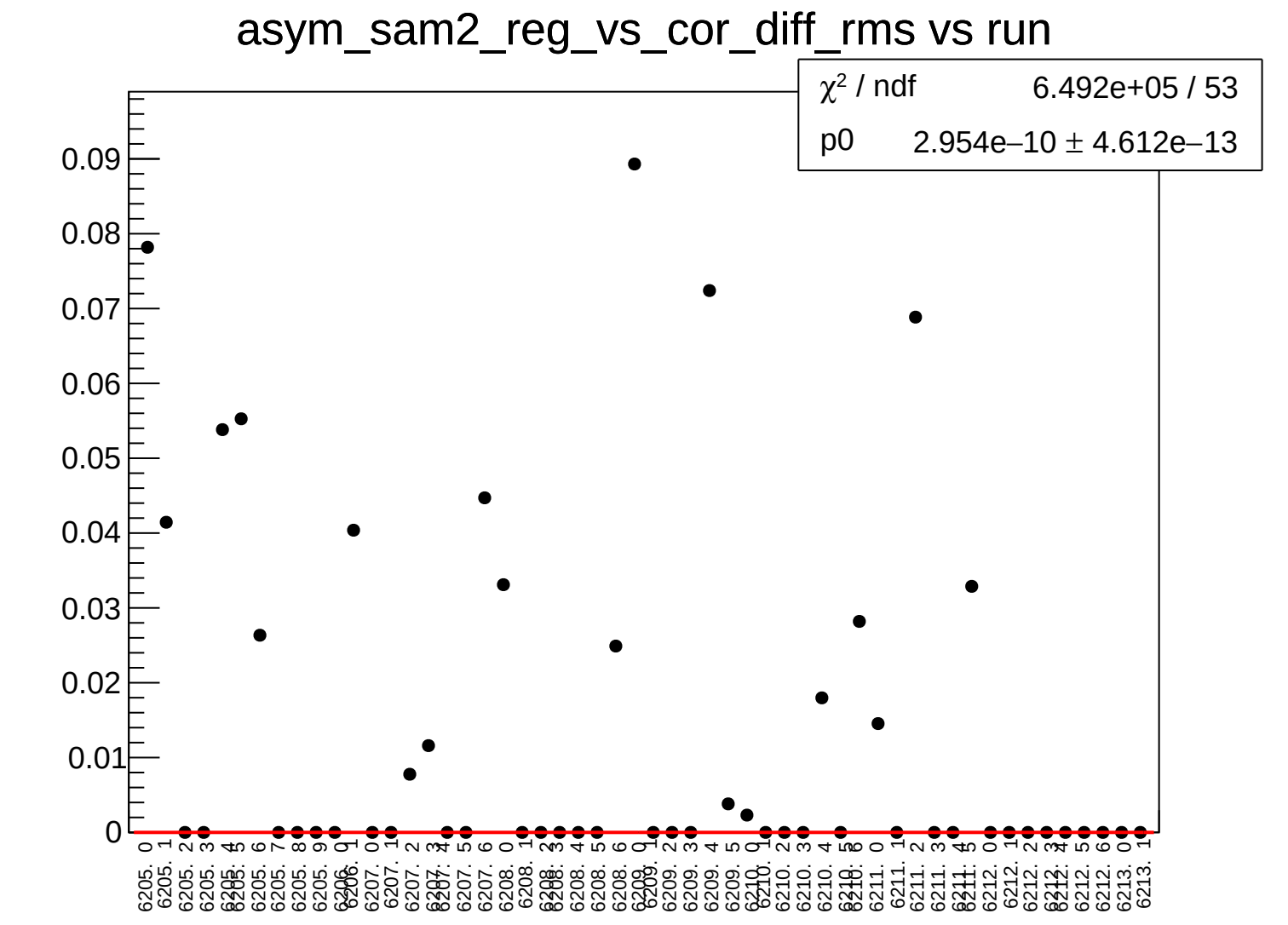

asym_sam2_mean vs run
×10^3
χ² / ndf 42.6 / 53
p0 3692 ± 6956
pull
Entries 54
Mean 14.18
Std Dev 0

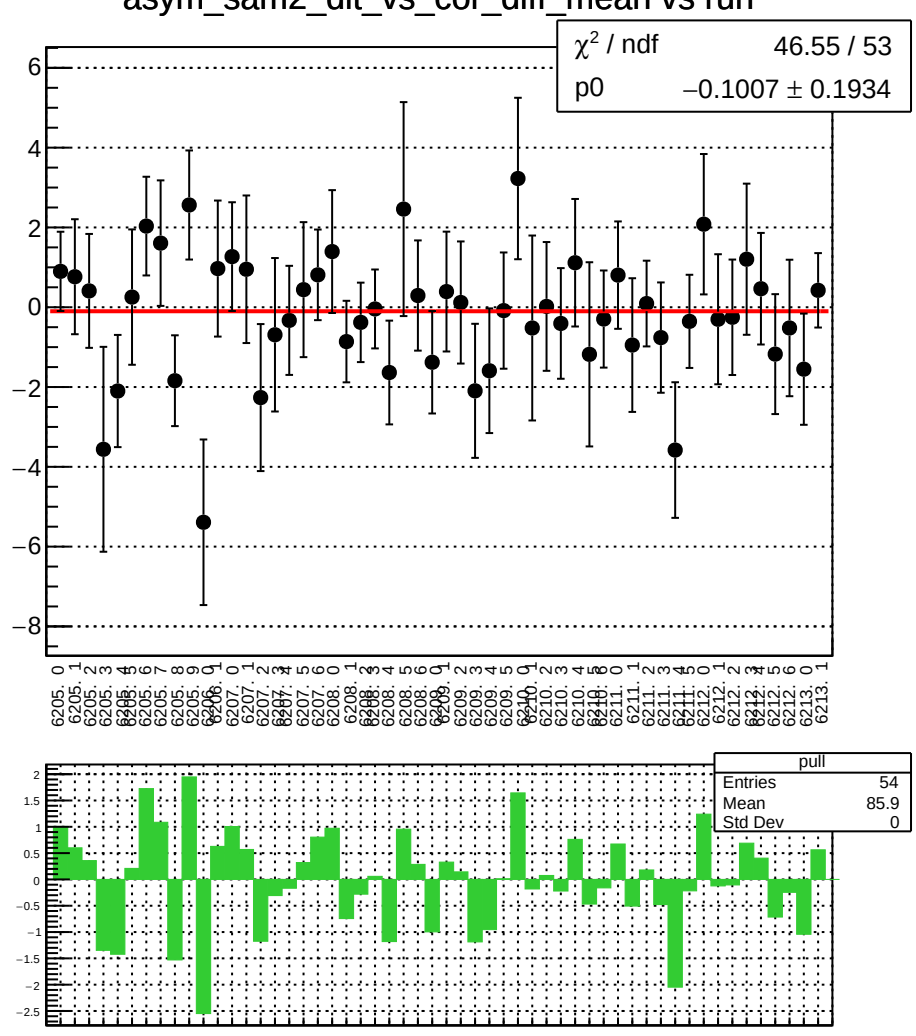

pull1D
Entries 54
Mean −0.02148
Std Dev 0.8879

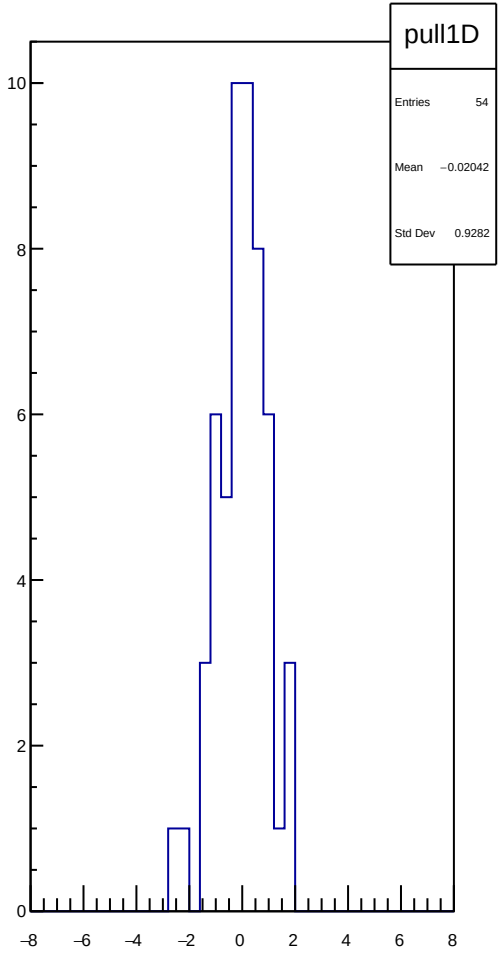

asym_sam2_rms vs run
χ² / ndf 5535 / 53
p0 5049 ± 4.918
6200
6000
5800
5600
5400
5200
5000
4800
4600
4400
4200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 1
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

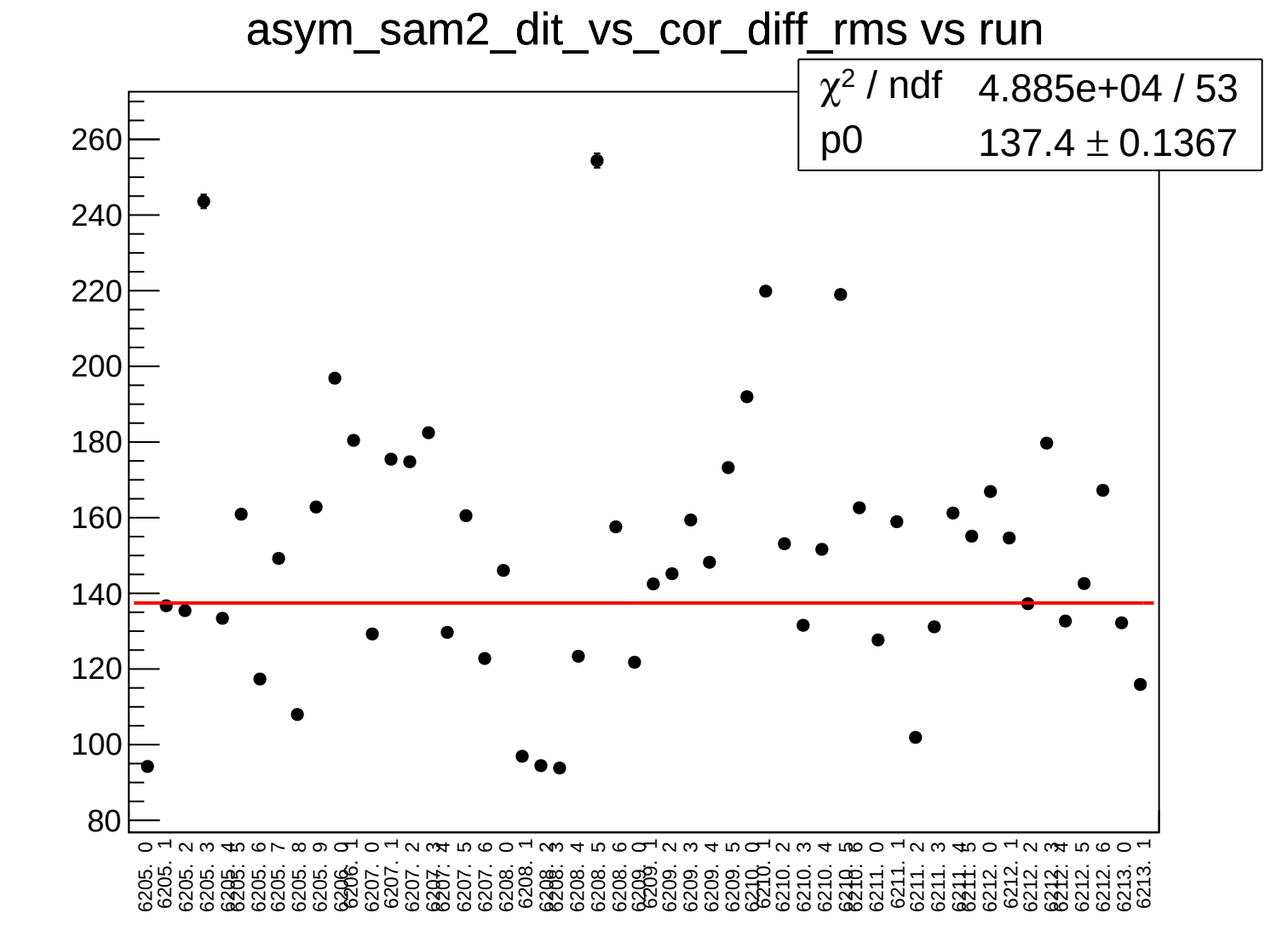

asym_sam2_reg_vs_cor_diff_mean vs run
χ² / ndf 52.43 / 53
p0 3.82e−13 ± 6.522e−13
0.002
0.001
0
−0.001
−0.002
pull
Entries 54
Mean 29.71
Std Dev 7.681

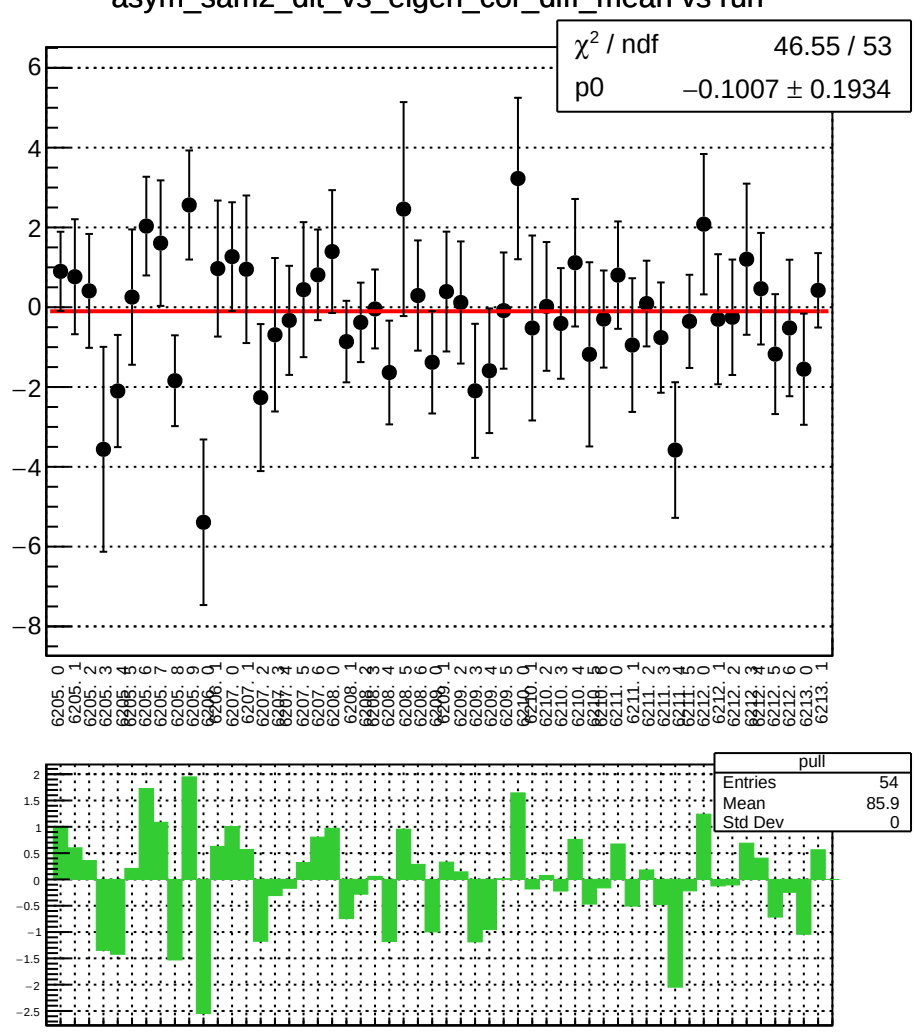

pull1D
Entries 54
Mean 0.1361
Std Dev 0.9759

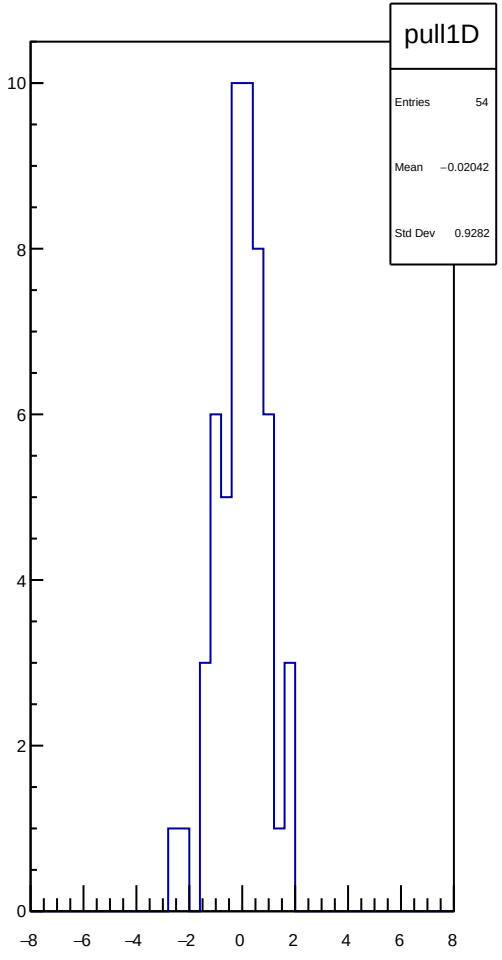

asym_sam2_reg_vs_cor_diff_rms vs run
χ² / ndf 6.492e+05 / 53
p0 2.954e−10 ± 4.612e−13
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0

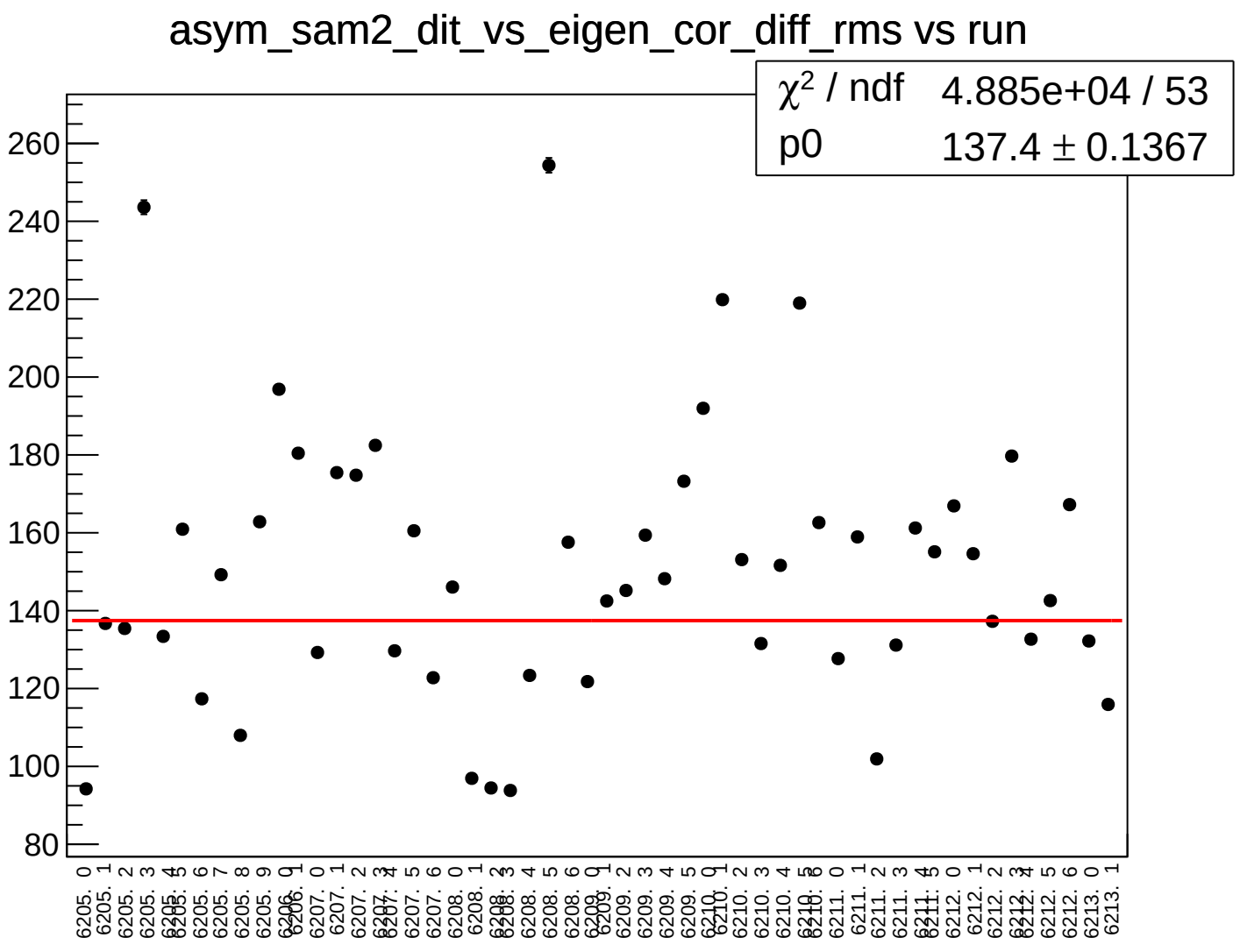

asym_sam2_dit_vs_cor_diff_mean vs run
χ² / ndf 46.55 / 53
p0 −0.1007 ± 0.1934
pull
Entries 54
Mean 85.9
Std Dev 0

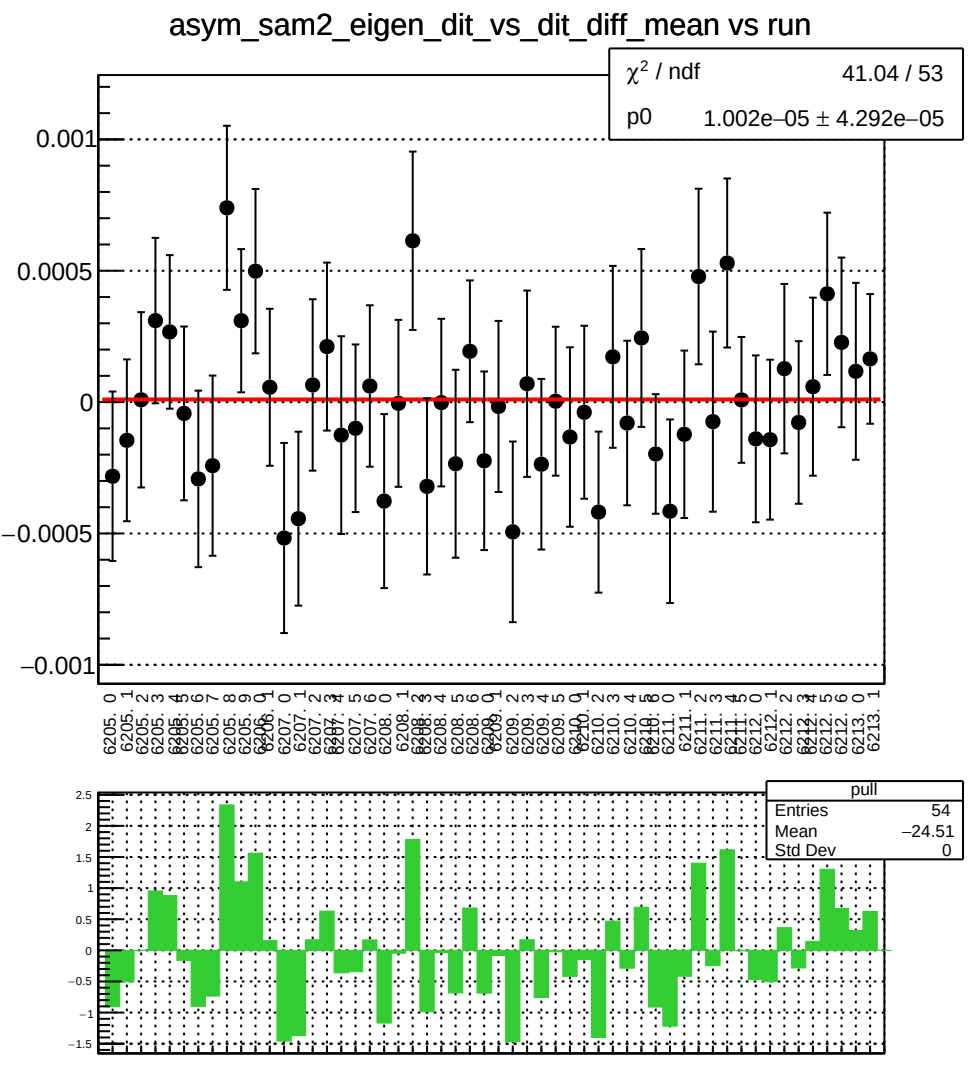

pull1D
Entries 54
Mean −0.02042
Std Dev 0.9282

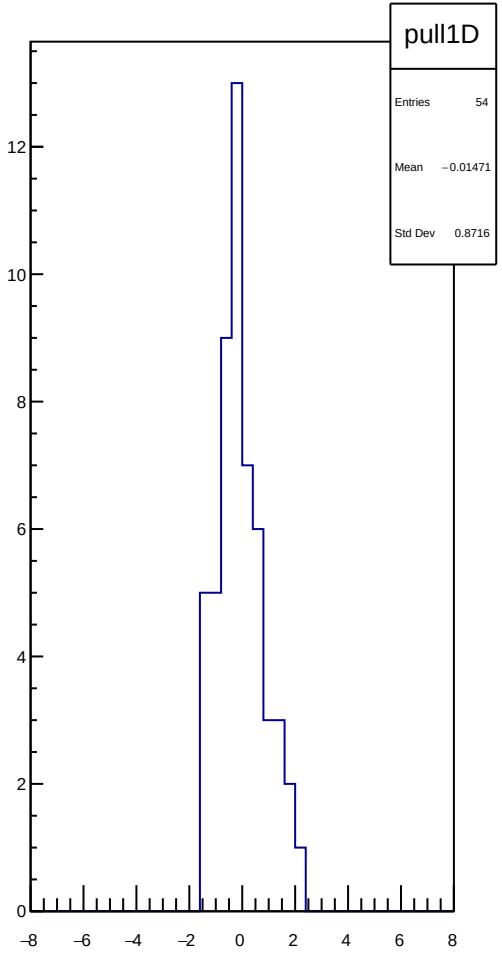

asym_sam2_dit_vs_cor_diff_rms vs run
χ² / ndf 4.885e+04 / 53
p0 137.4 ± 0.1367
260
240
220
200
180
160
140
120
100
80
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

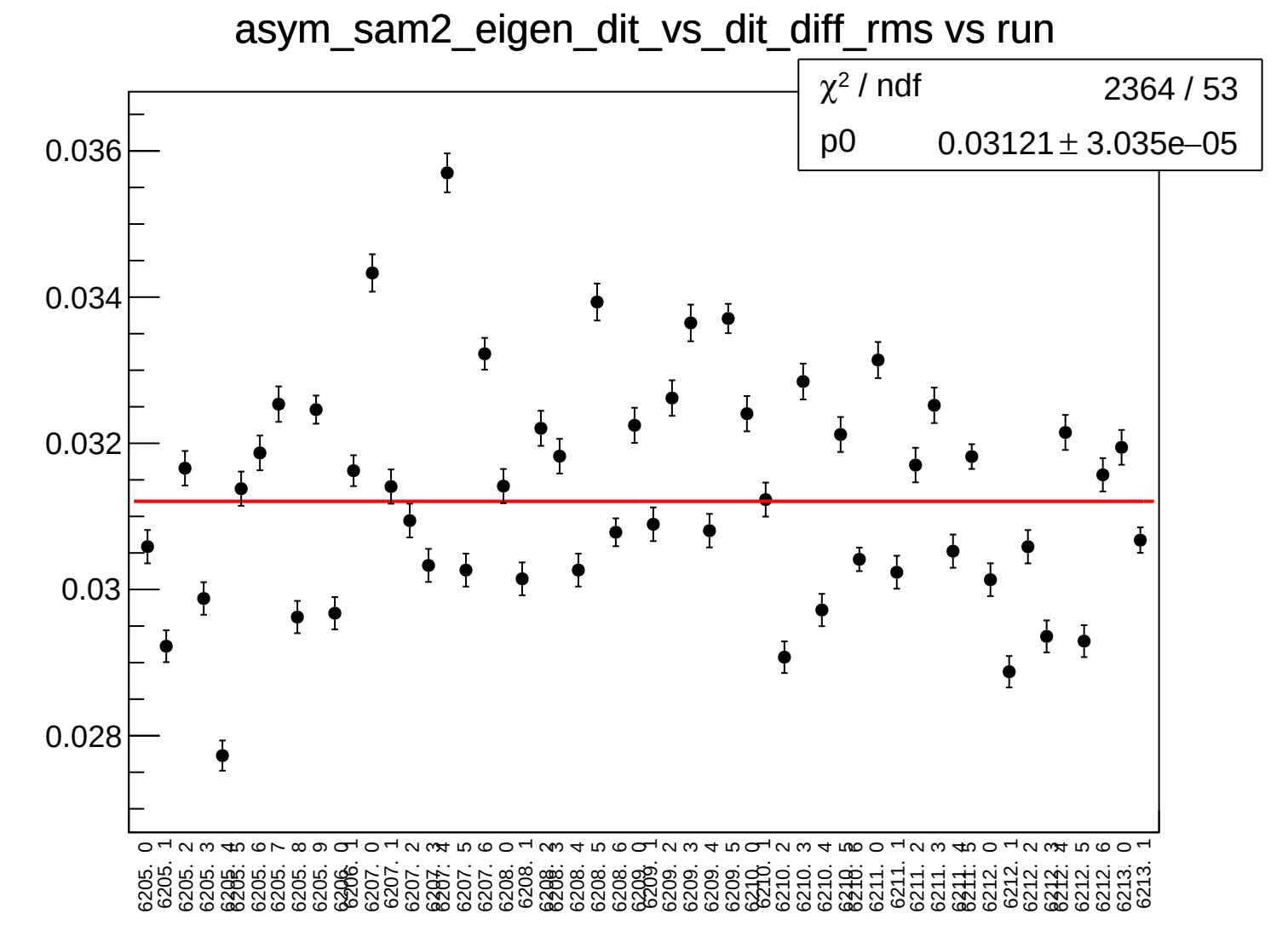

asym_sam2_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 46.55 / 53
p0 −0.1007 ± 0.1934
pull
Entries 54
Mean 85.9
Std Dev 0

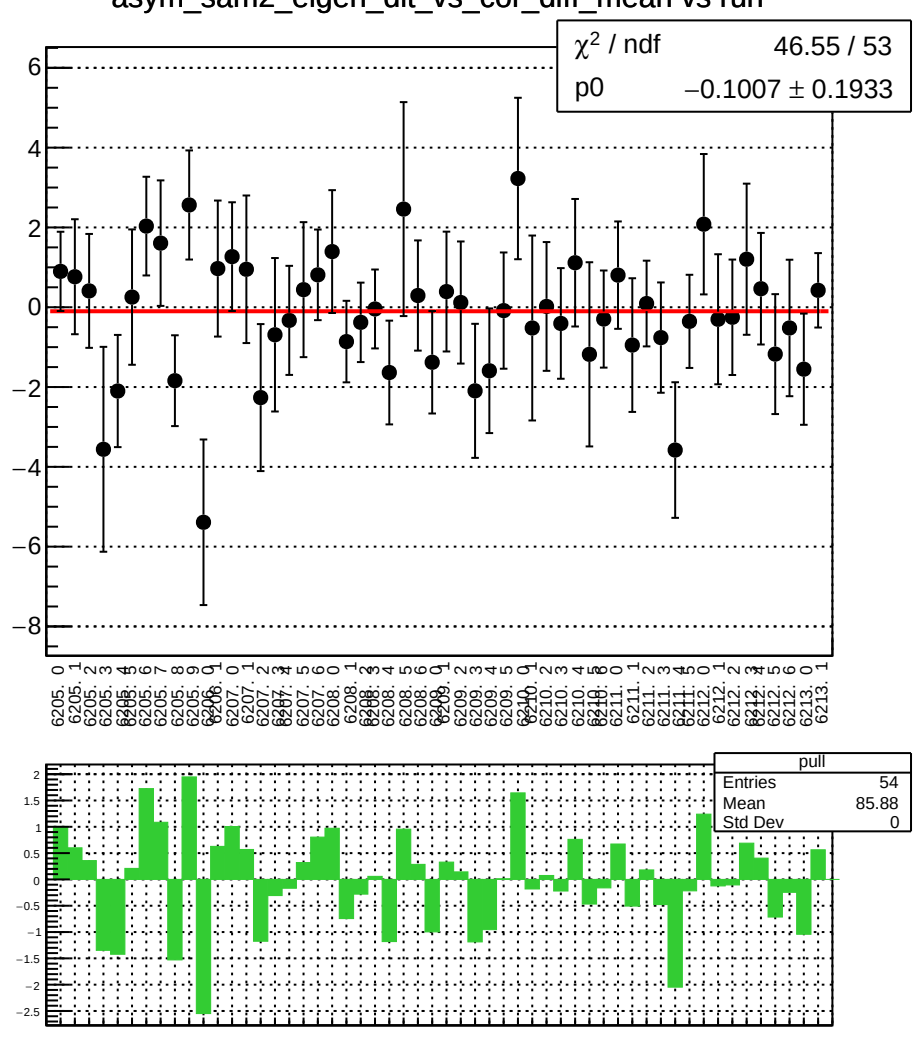

pull1D
Entries 54
Mean −0.02042
Std Dev 0.9282

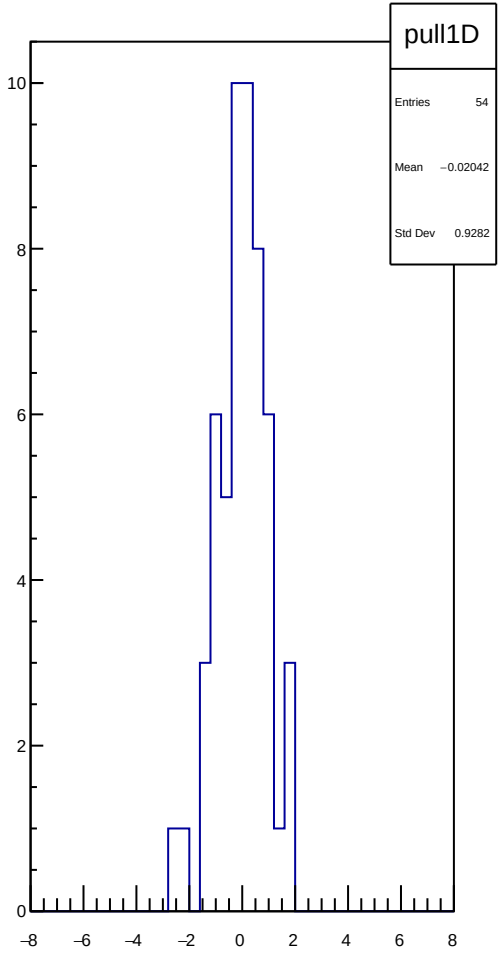

asym_sam2_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.885e+04 / 53
p0 137.4 ± 0.1367
260
240
220
200
180
160
140
120
100
80
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 1
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 1
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

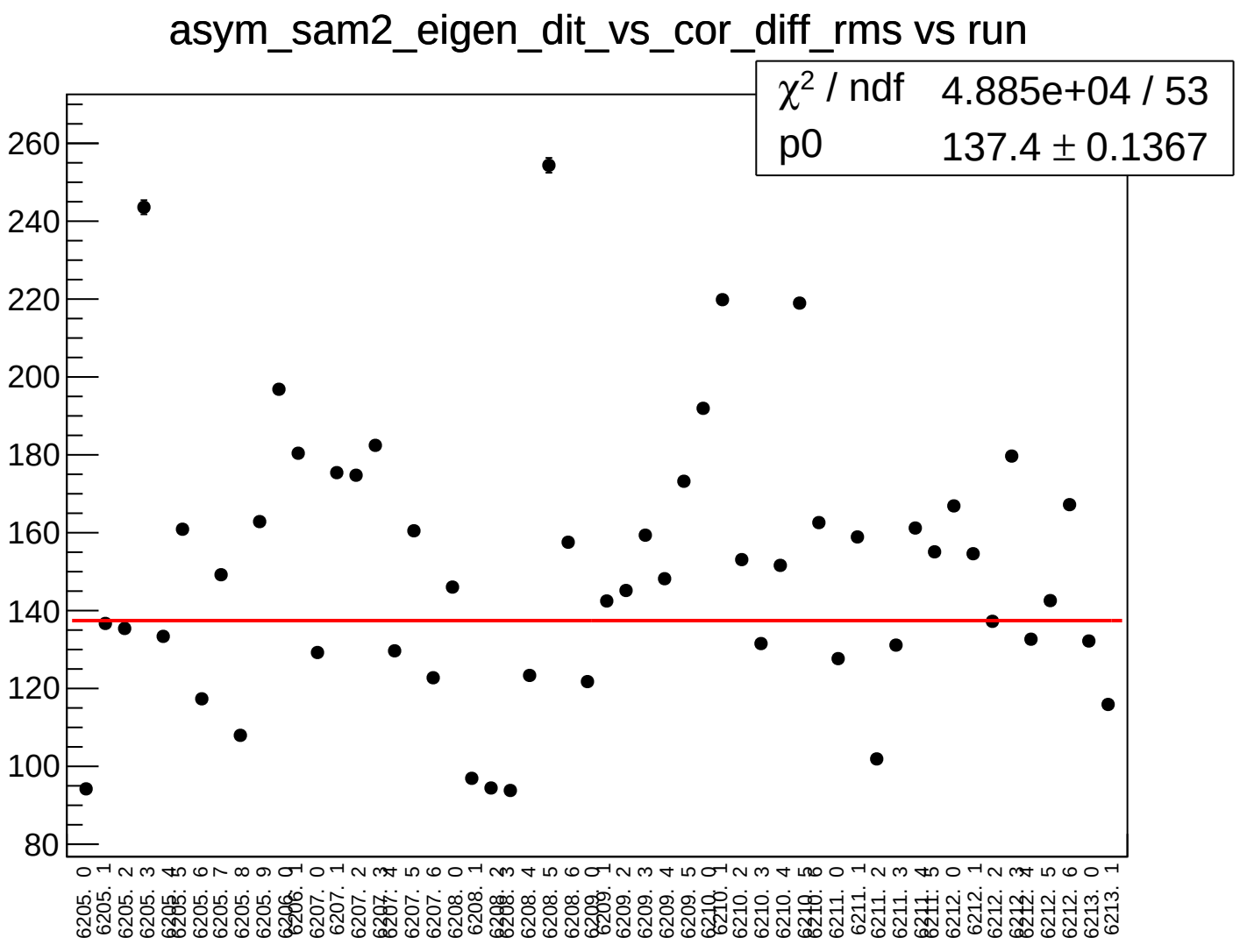

asym_sam2_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 41.04 / 53
p0 1.002e−05 ± 4.292e−05
0.001
0.0005
0
−0.0005
−0.001
pull
Entries 54
Mean −24.51
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

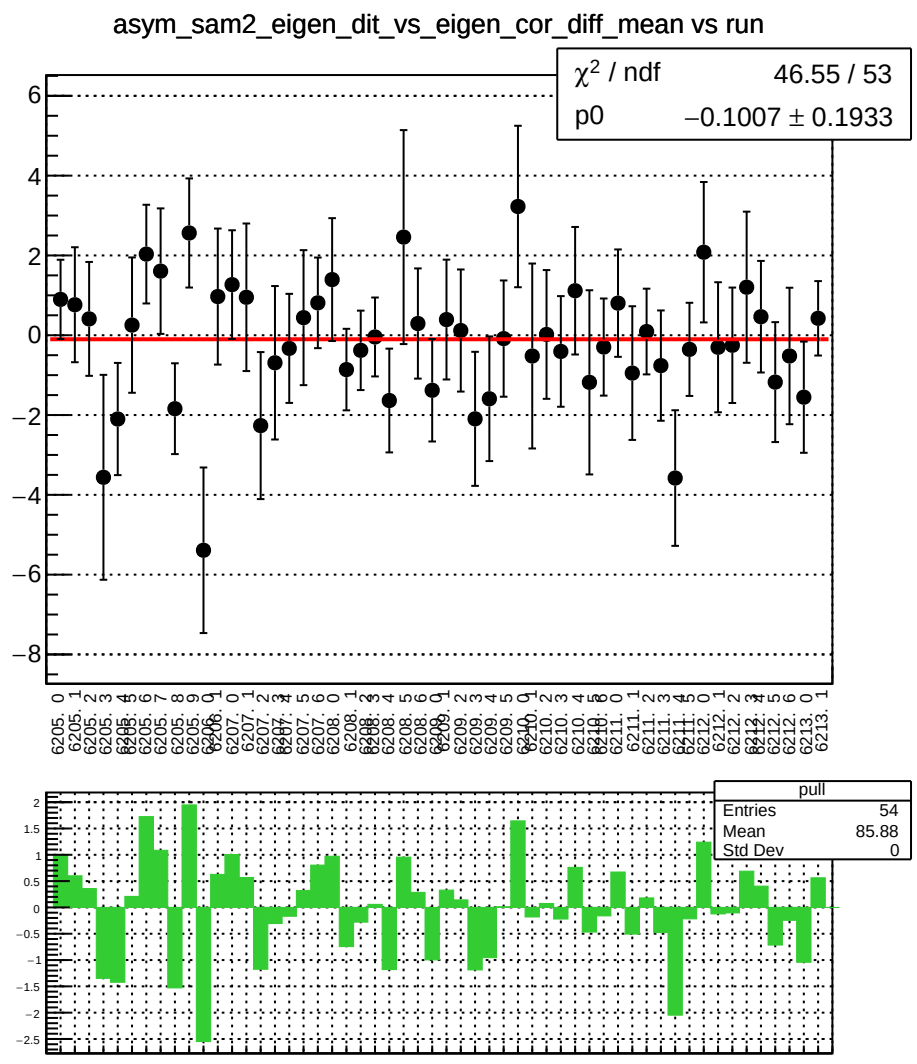

pull1D
Entries 54
Mean −0.01471
Std Dev 0.8716
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

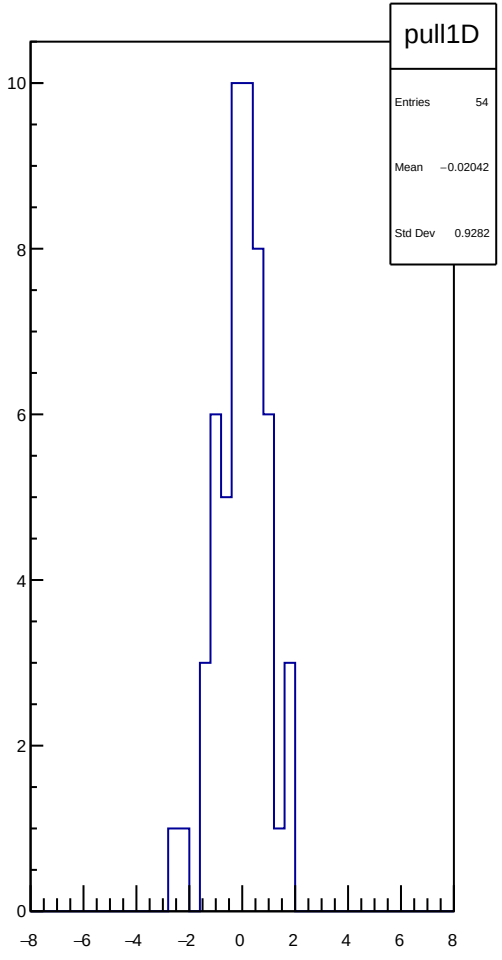

asym_sam2_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2364 / 53
p0 0.03121 ± 3.035e–05
0.036
0.034
0.032
0.03
0.028
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

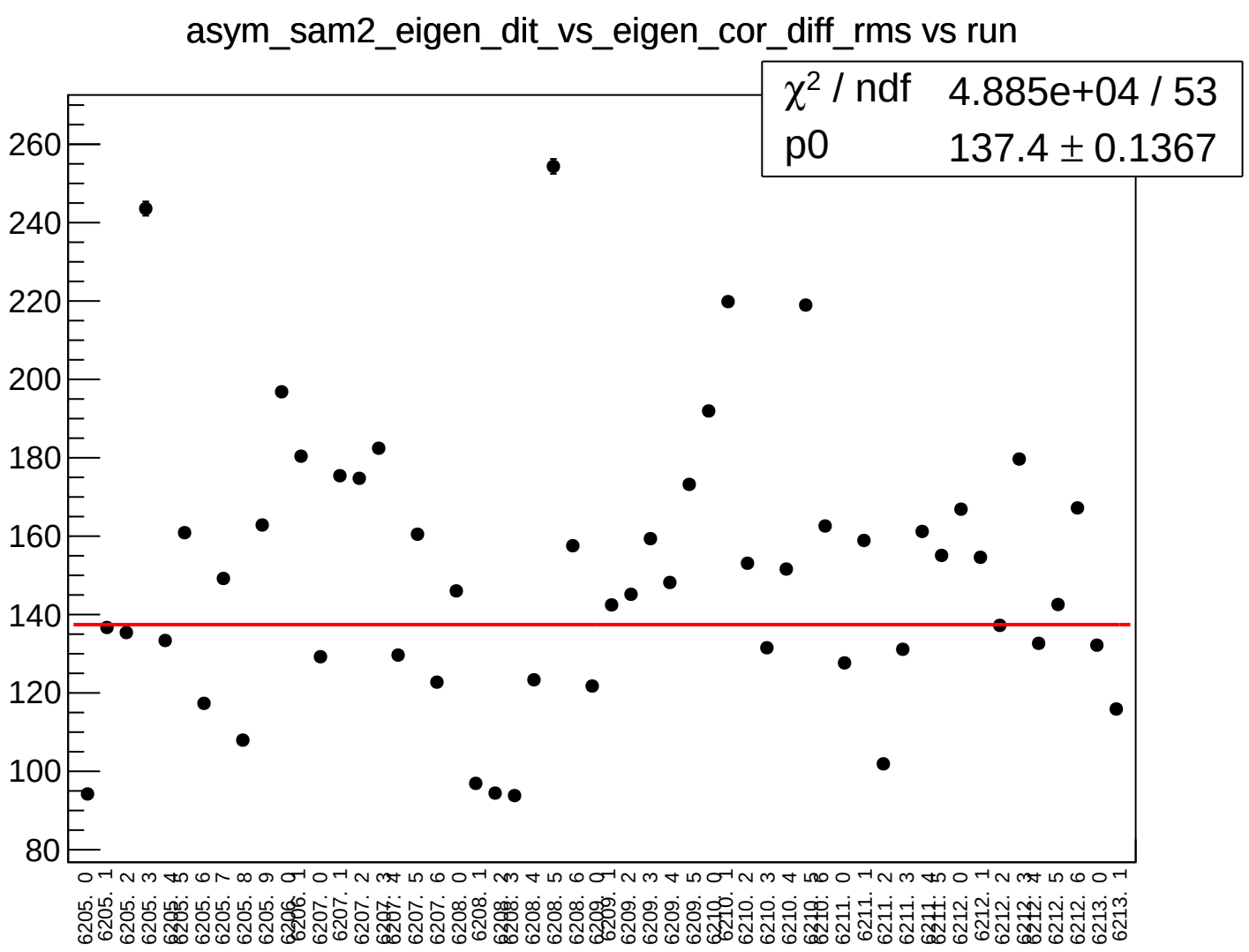

asym_sam2_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 46.55 / 53
p0 −0.1007 ± 0.1933
pull
Entries 54
Mean 85.88
Std Dev 0

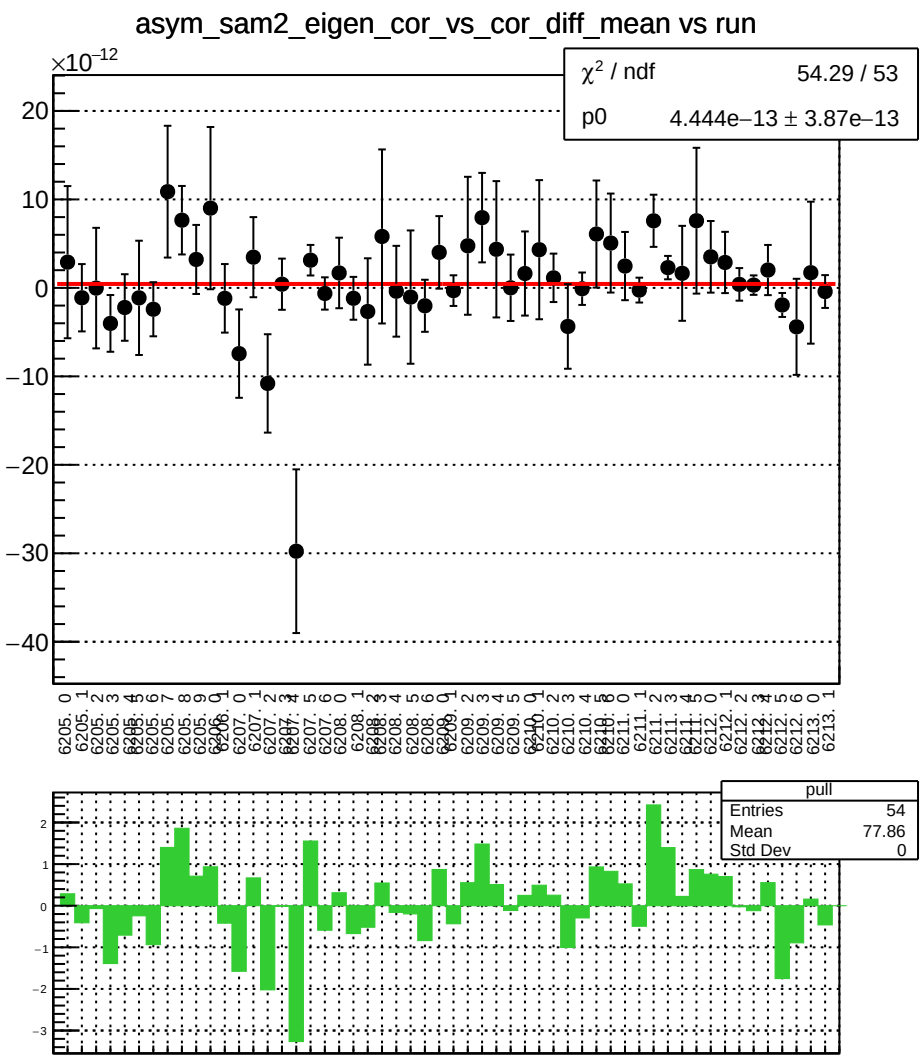

pull1D
Entries 54
Mean −0.02042
Std Dev 0.9282

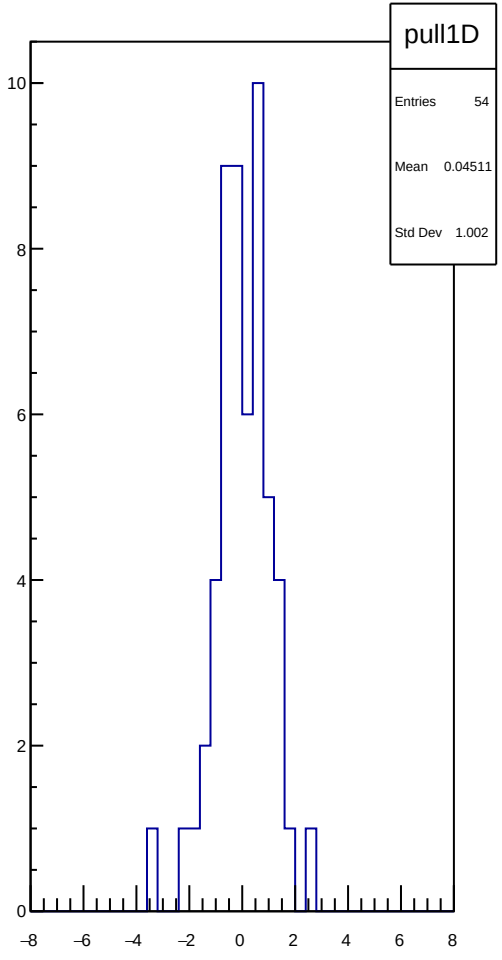

asym_sam2_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.885e+04 / 53
p0 137.4 ± 0.1367
260
240
220
200
180
160
140
120
100
80
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 1
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

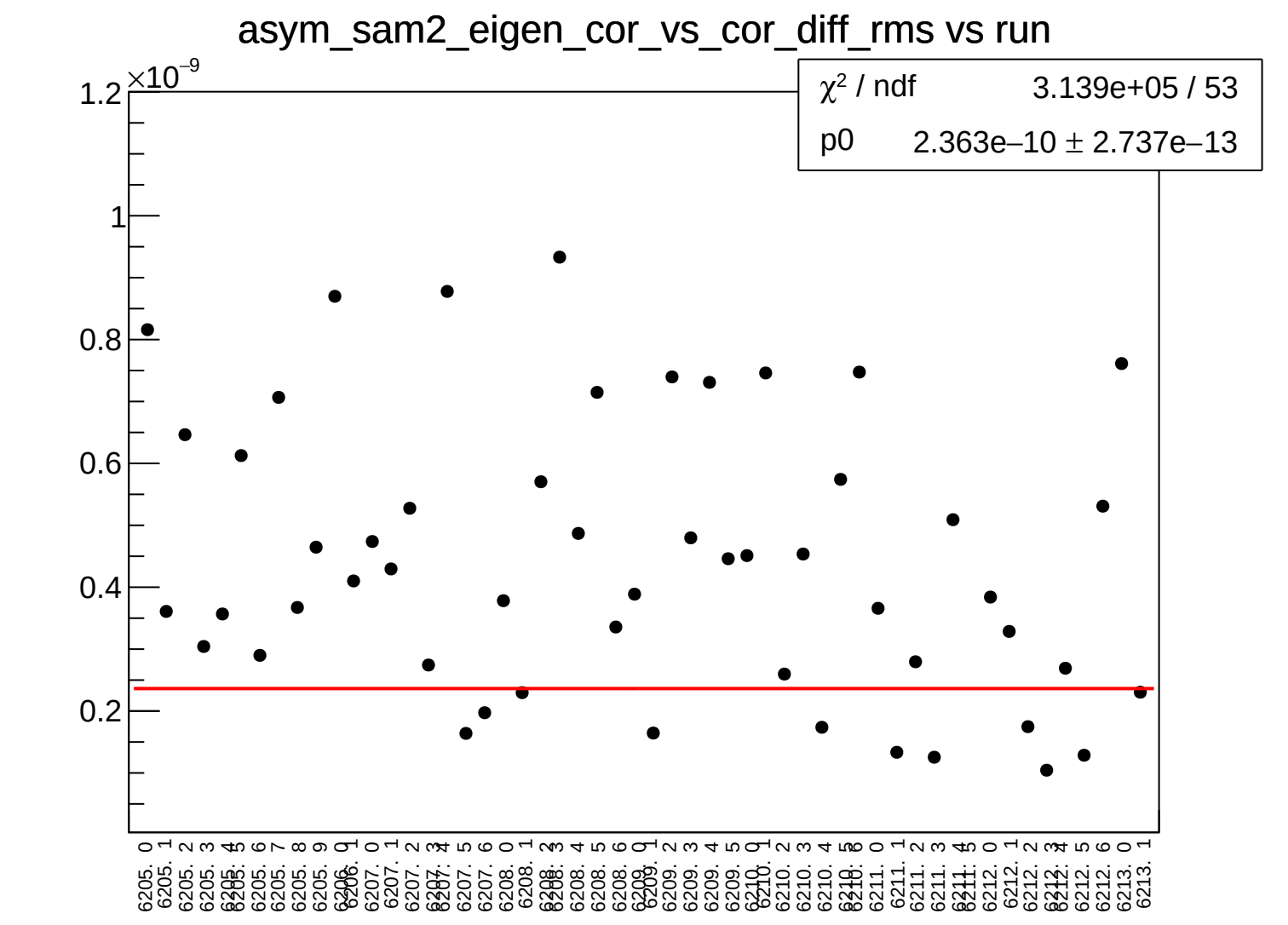

asym_sam2_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 46.55 / 53
p0 −0.1007 ± 0.1933
pull
Entries 54
Mean 85.88
Std Dev 0

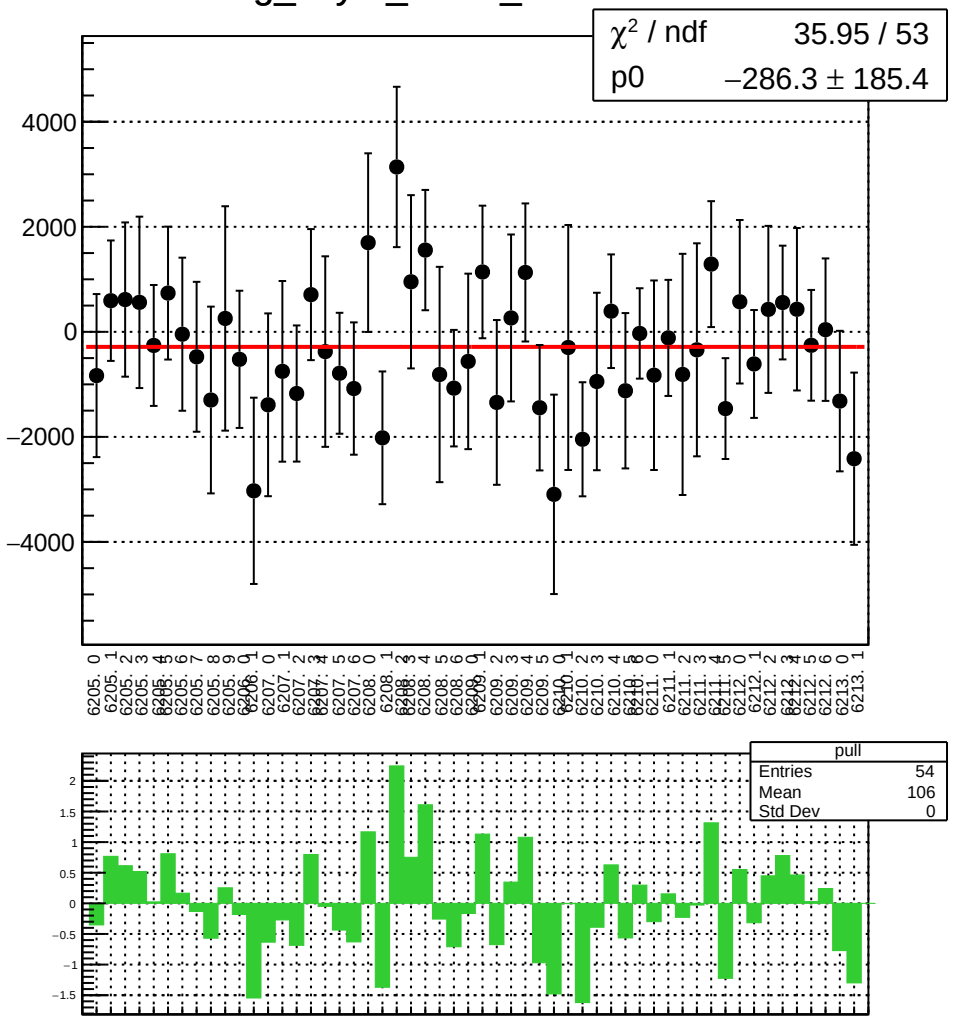

pull1D
Entries 54
Mean −0.02042
Std Dev 0.9282

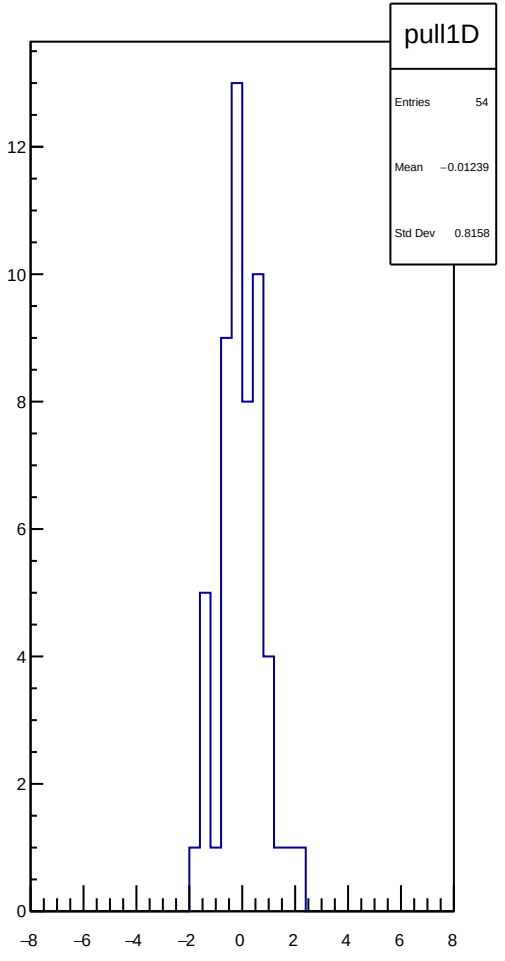

asym_sam2_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.885e+04 / 53
p0 137.4 ± 0.1367
260
240
220
200
180
160
140
120
100
80
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 1
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 1
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6211. 5
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

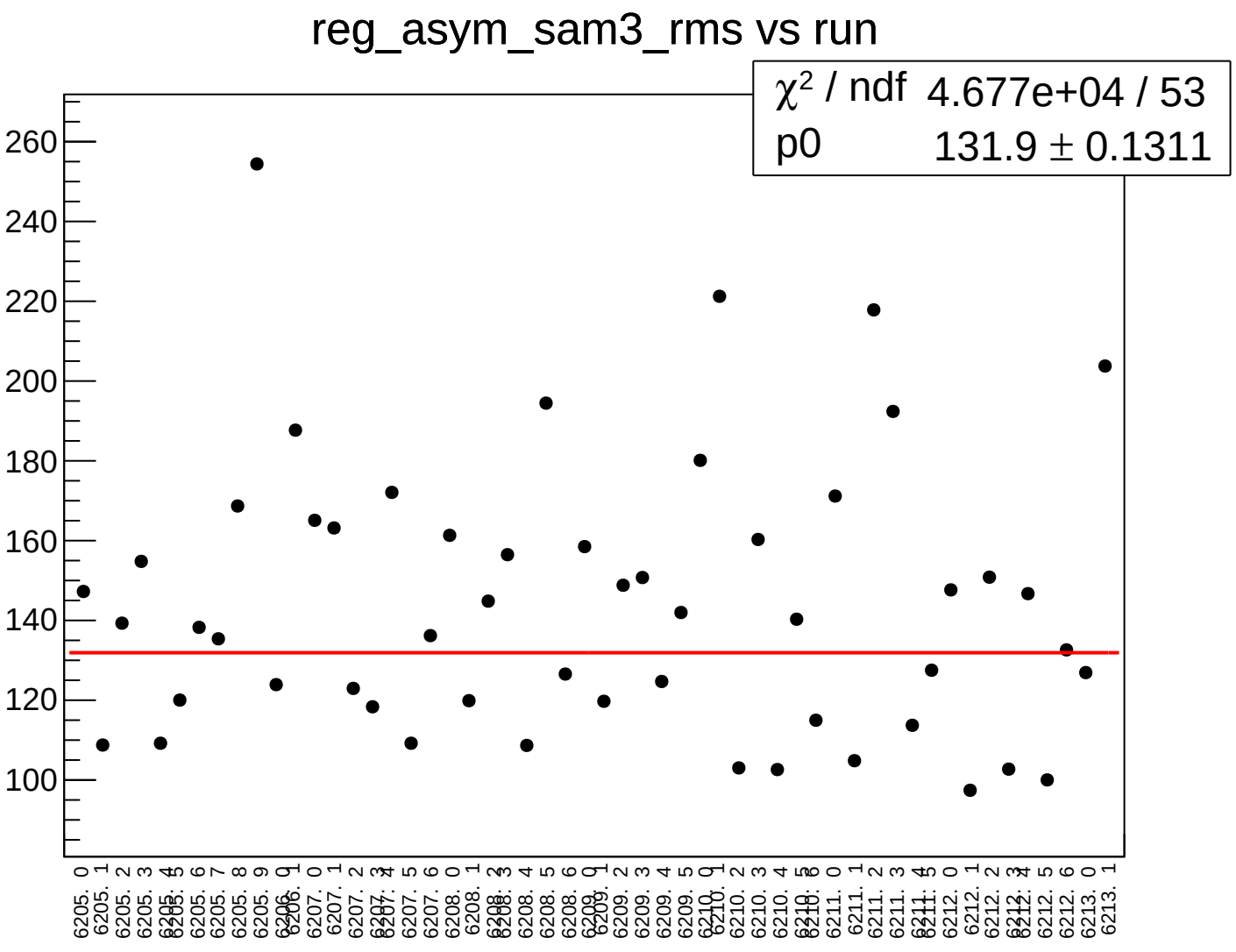

asym_sam2_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 54.29 / 53
p0 4.444e−13 ± 3.87e−13
pull
Entries 54
Mean 77.86
Std Dev 0

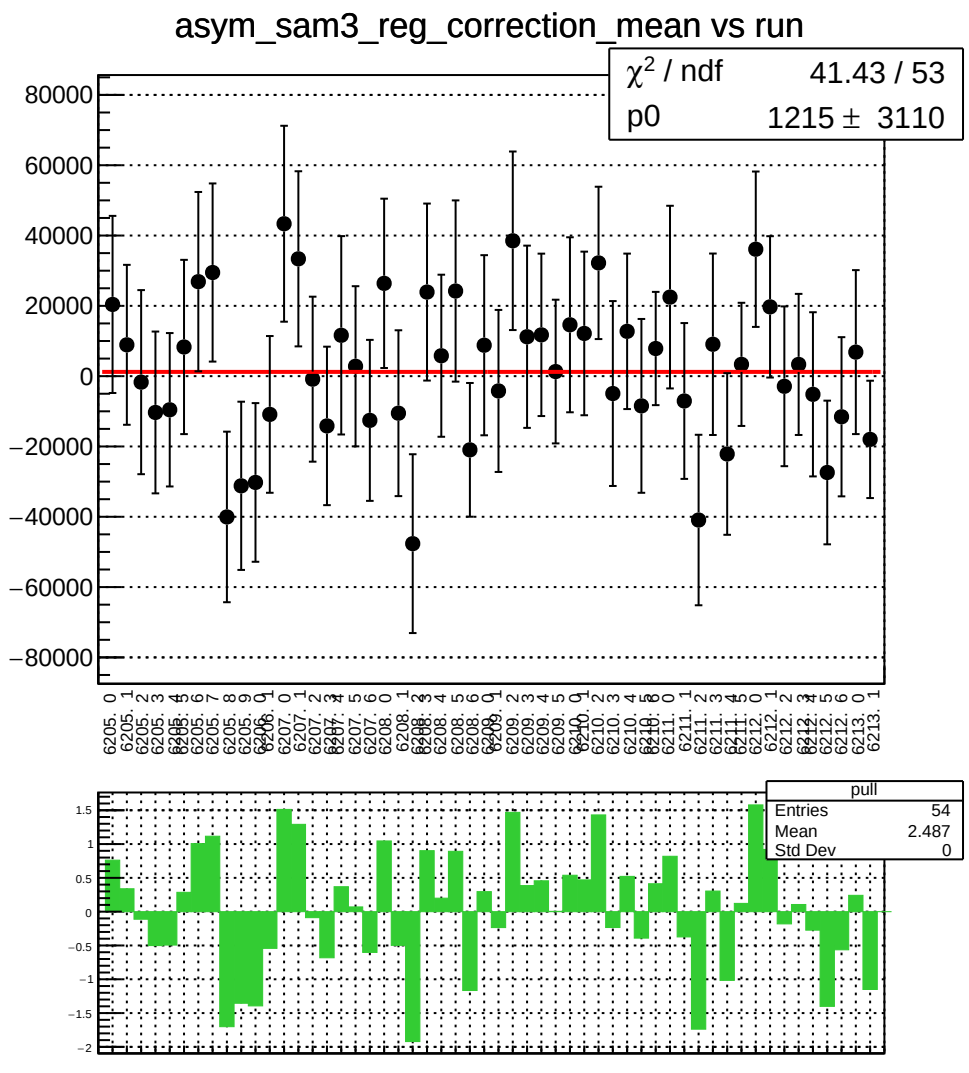

pull1D
Entries 54
Mean 0.04511
Std Dev 1.002

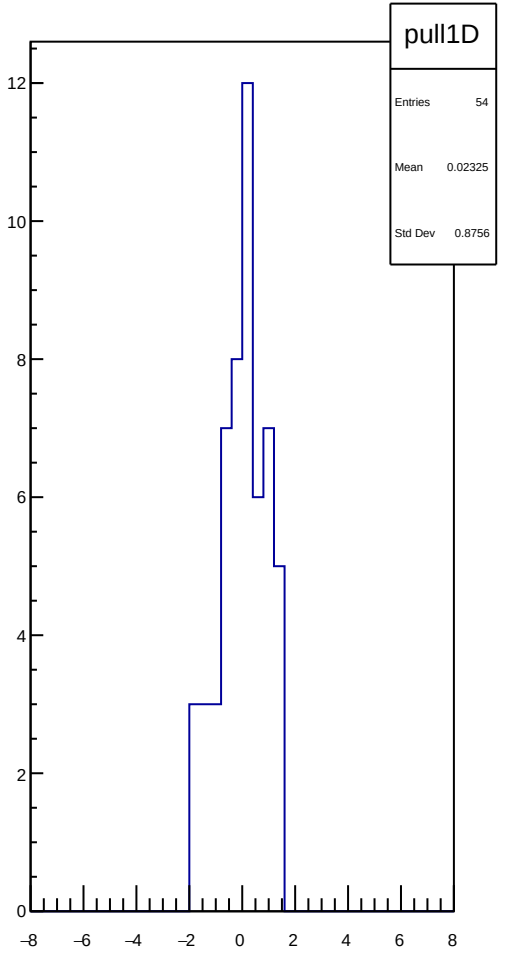

asym_sam2_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
1.2
1
0.8
0.6
0.4
0.2
χ² / ndf 3.139e+05 / 53
p0 2.363e−10 ± 2.737e−13
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

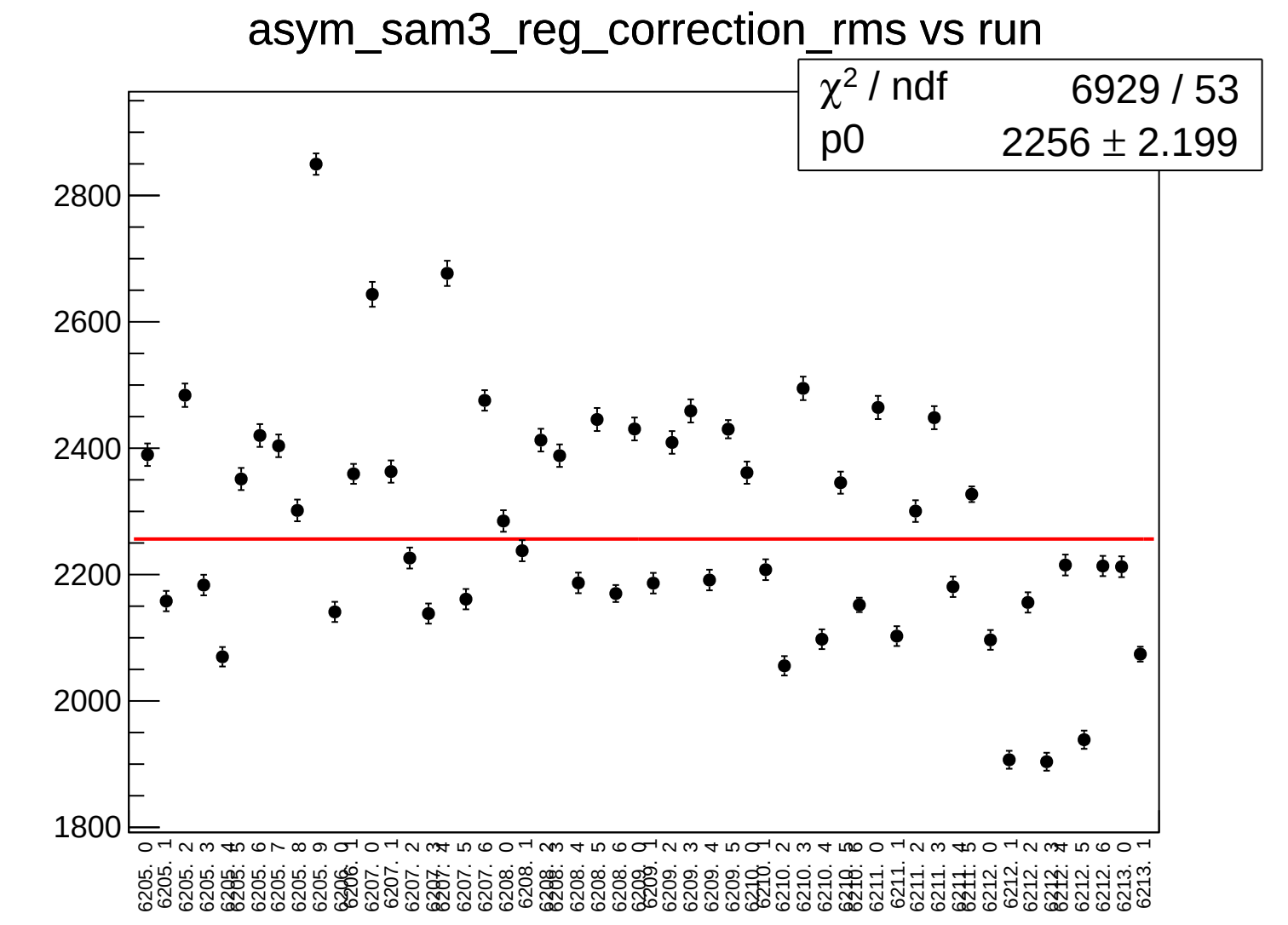

reg_asym_sam3_mean vs run
χ² / ndf 35.95 / 53
p0 −286.3 ± 185.4
4000
2000
0
−2000
−4000
pull
Entries 54
Mean 106
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

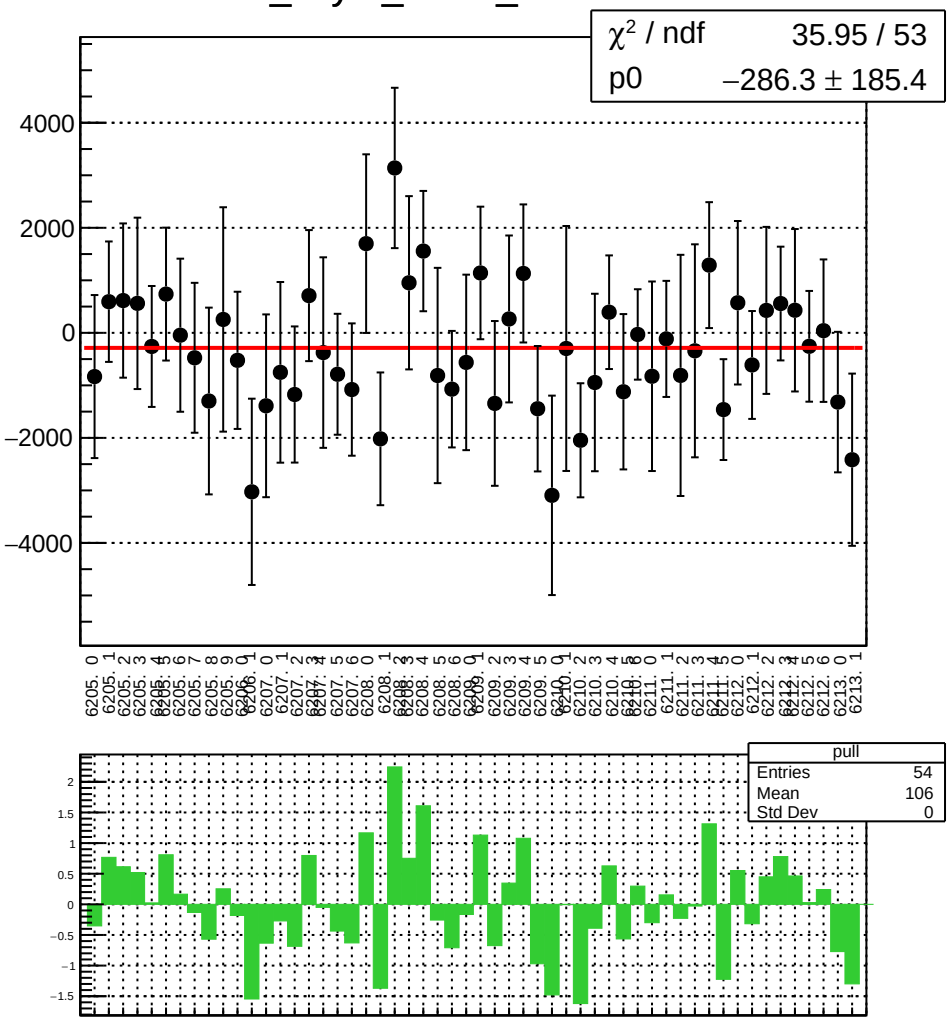

pull1D
Entries 54
Mean −0.01239
Std Dev 0.8158
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

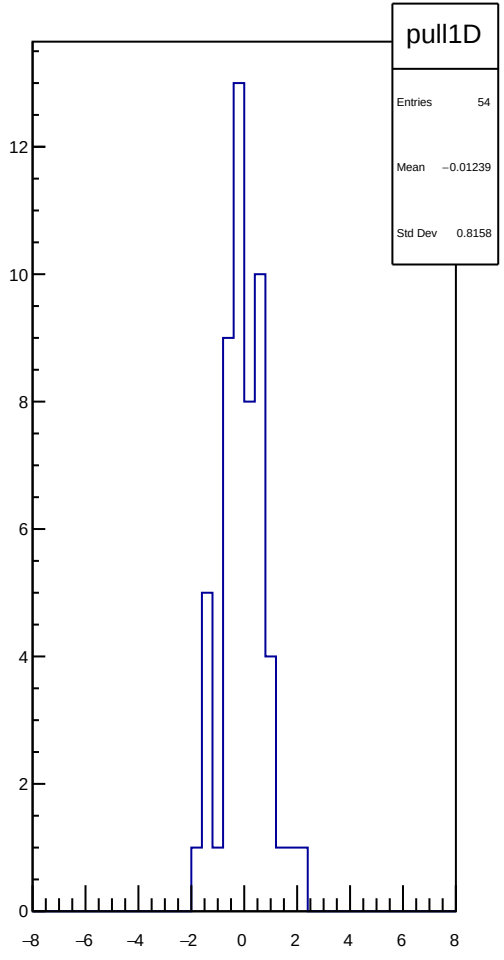

reg_asym_sam3_rms vs run
χ² / ndf 4.677e+04 / 53
p0 131.9 ± 0.1311
260
240
220
200
180
160
140
120
100
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

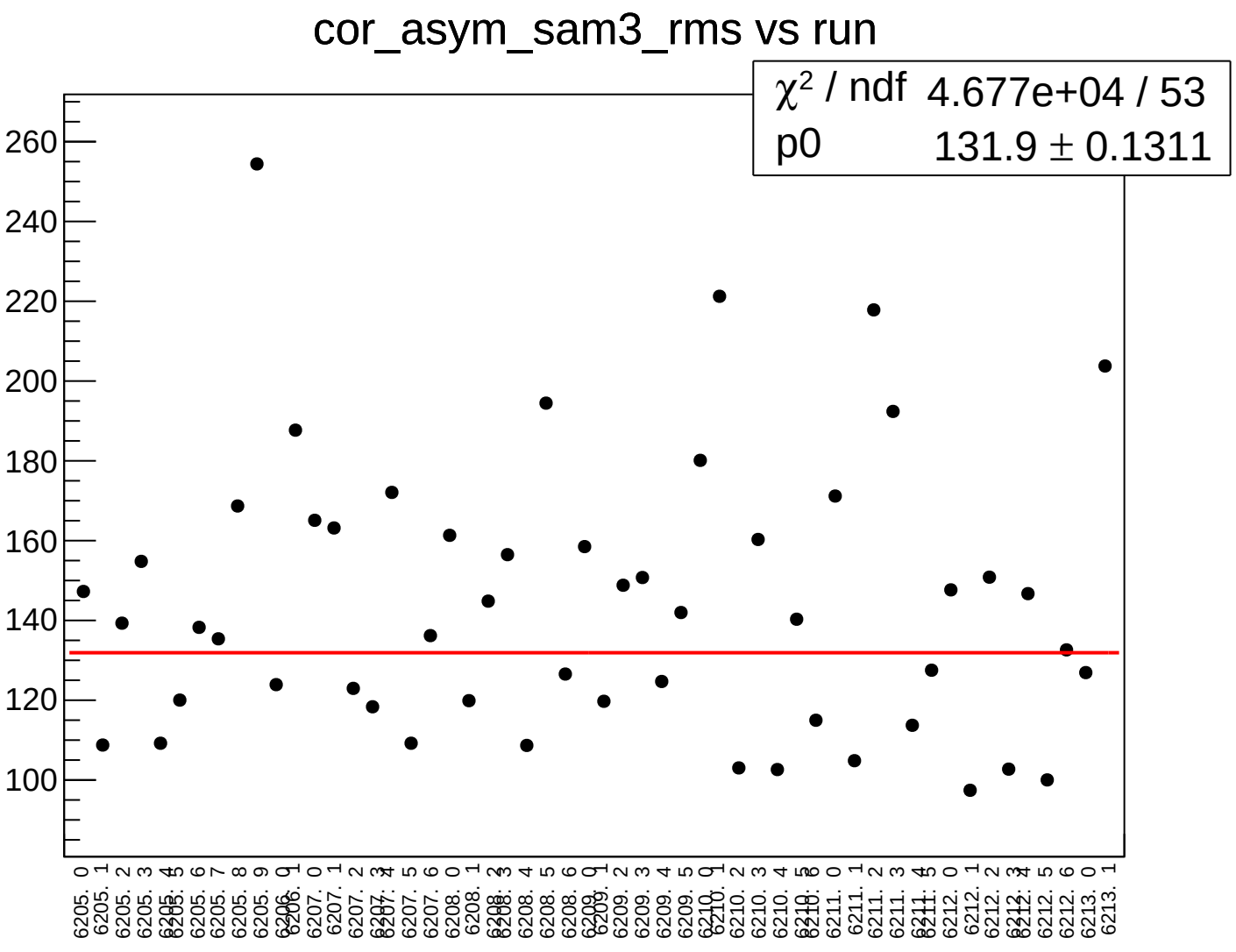

asym_sam3_reg_correction_mean vs run
χ² / ndf 41.43 / 53
p0 1215 ± 3110
pull
Entries 54
Mean 2.487
Std Dev 0


pull1D
Entries 54
Mean 0.02325
Std Dev 0.8756


asym_sam3_reg_correction_rms vs run
χ² / ndf 6929 / 53
p0 2256 ± 2.199
2800
2600
2400
2200
2000
1800
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6209. 6
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


cor_asym_sam3_mean vs run
χ² / ndf 35.95 / 53
p0 −286.3 ± 185.4
4000
2000
0
−2000
−4000
pull
Entries 54
Mean 106
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 54
Mean −0.01239
Std Dev 0.8158
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_sam3_rms vs run
χ² / ndf 4.677e+04 / 53
p0 131.9 ± 0.1311
260
240
220
200
180
160
140
120
100
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
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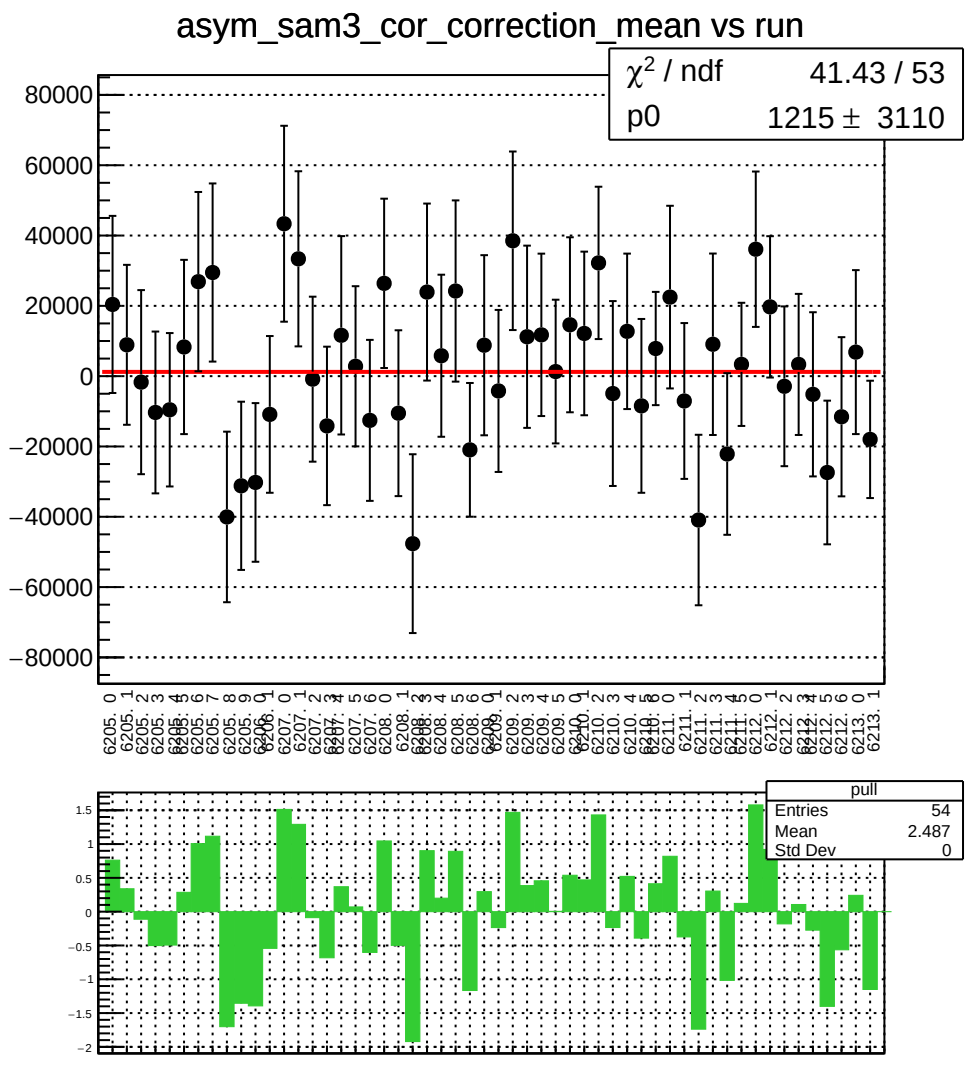
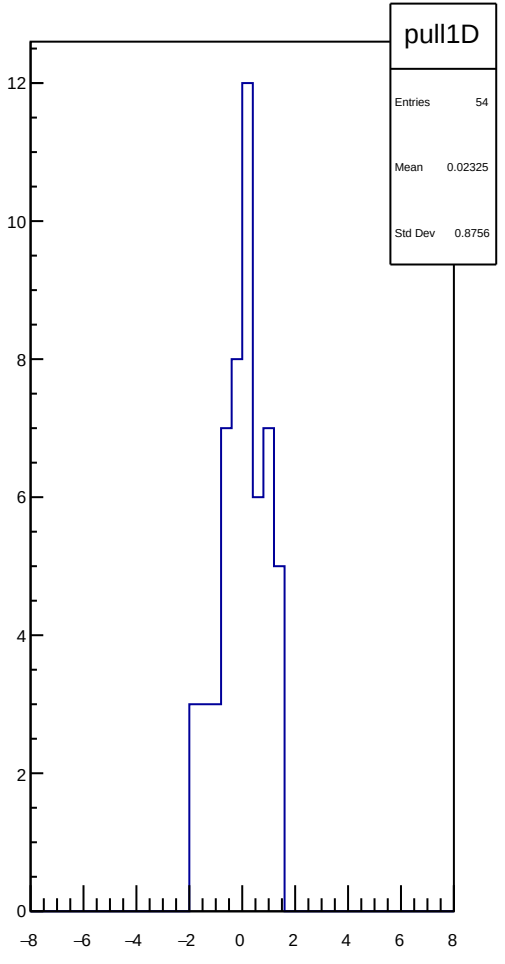
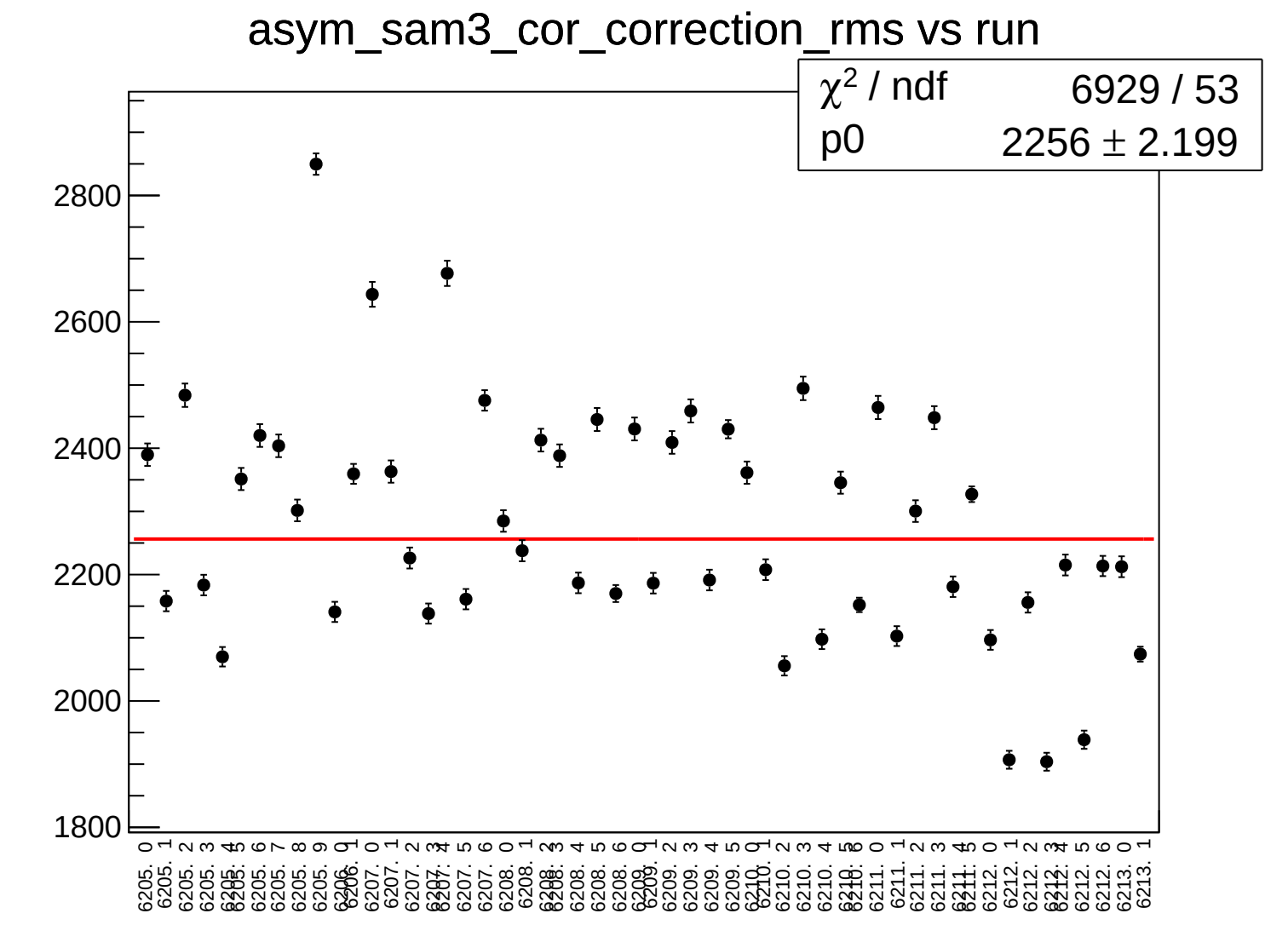
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_sam3_cor_correction_mean vs run
χ² / ndf 41.43 / 53
p0 1215 ± 3110
pull
Entries 54
Mean 2.487
Std Dev 0


pull1D
Entries 54
Mean 0.02325
Std Dev 0.8756


asym_sam3_cor_correction_rms vs run
χ² / ndf 6929 / 53
p0 2256 ± 2.199
2800
2600
2400
2200
2000
1800
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
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6208. 3
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6208. 6
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6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
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6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
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6211. 2
6211. 3
6211. 4
6211. 5
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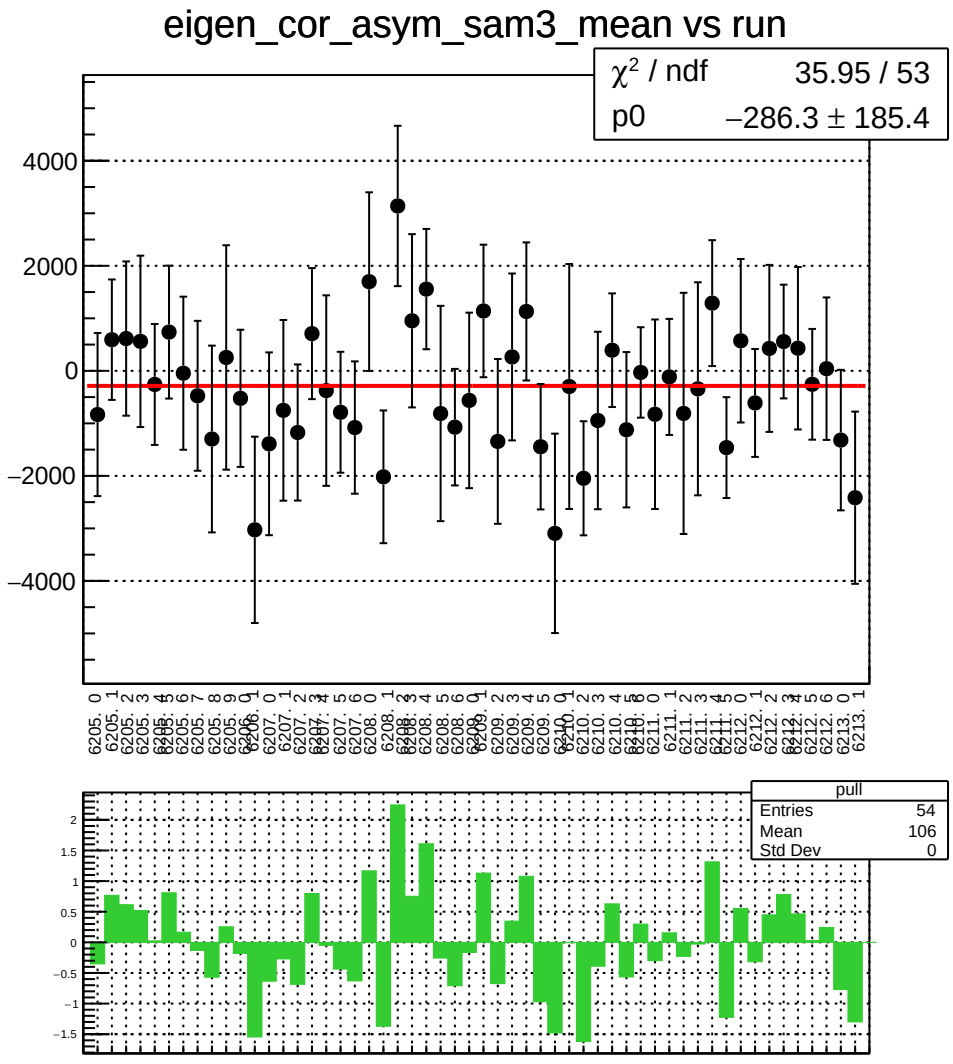
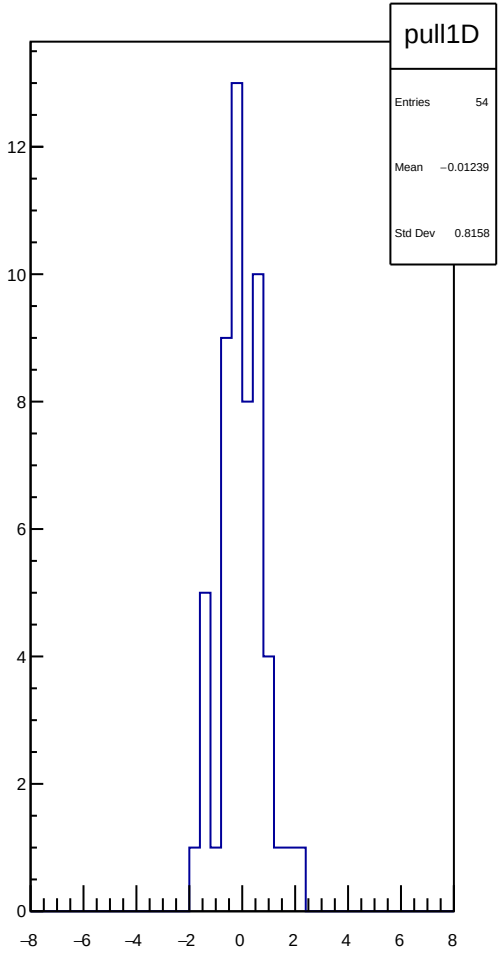
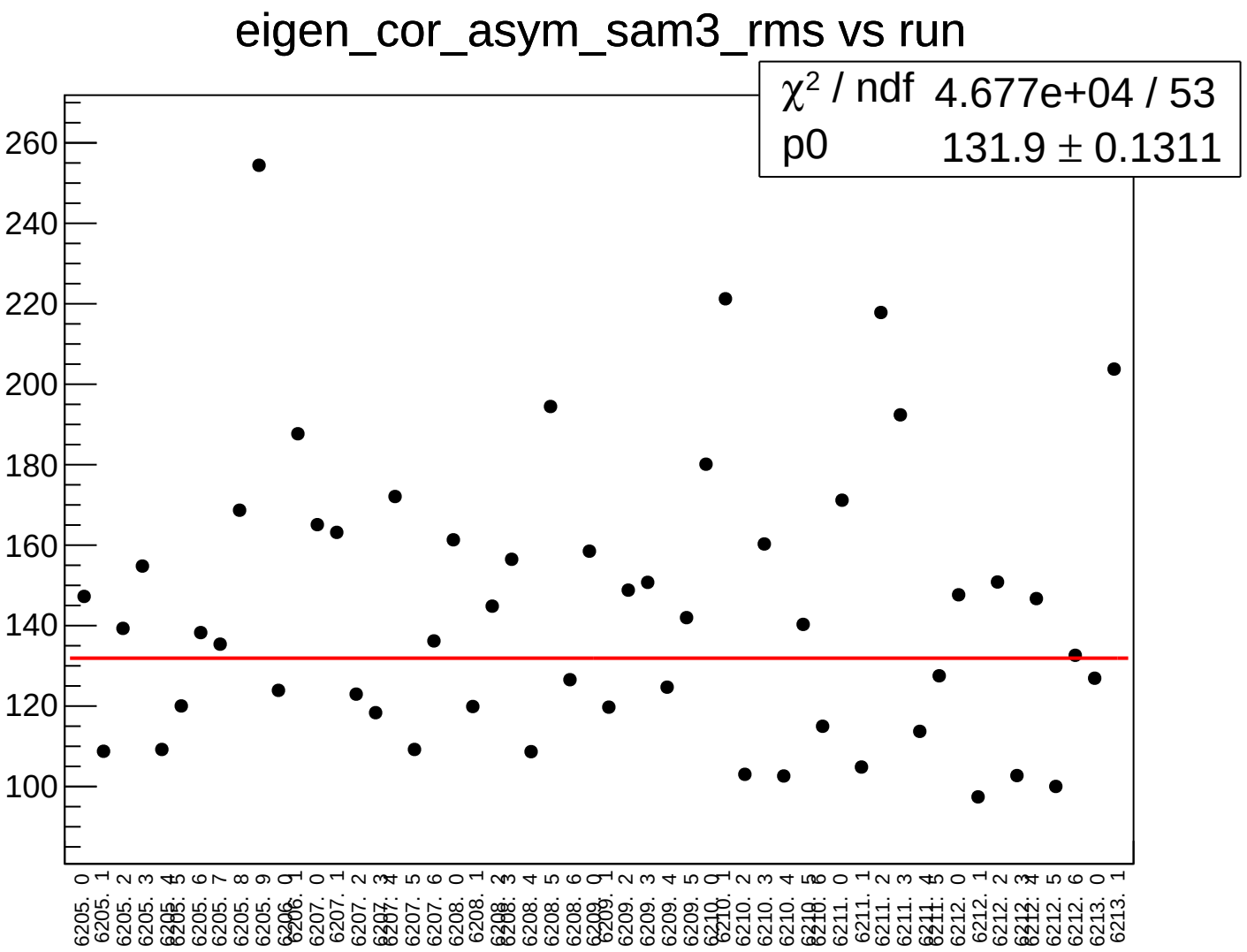
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


eigen_cor_asym_sam3_mean vs run
χ² / ndf 35.95 / 53
p0 −286.3 ± 185.4
4000
2000
0
−2000
−4000
pull
Entries 54
Mean 106
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 54
Mean −0.01239
Std Dev 0.8158
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 4.677e+04 / 53
p0 131.9 ± 0.1311
260
240
220
200
180
160
140
120
100
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
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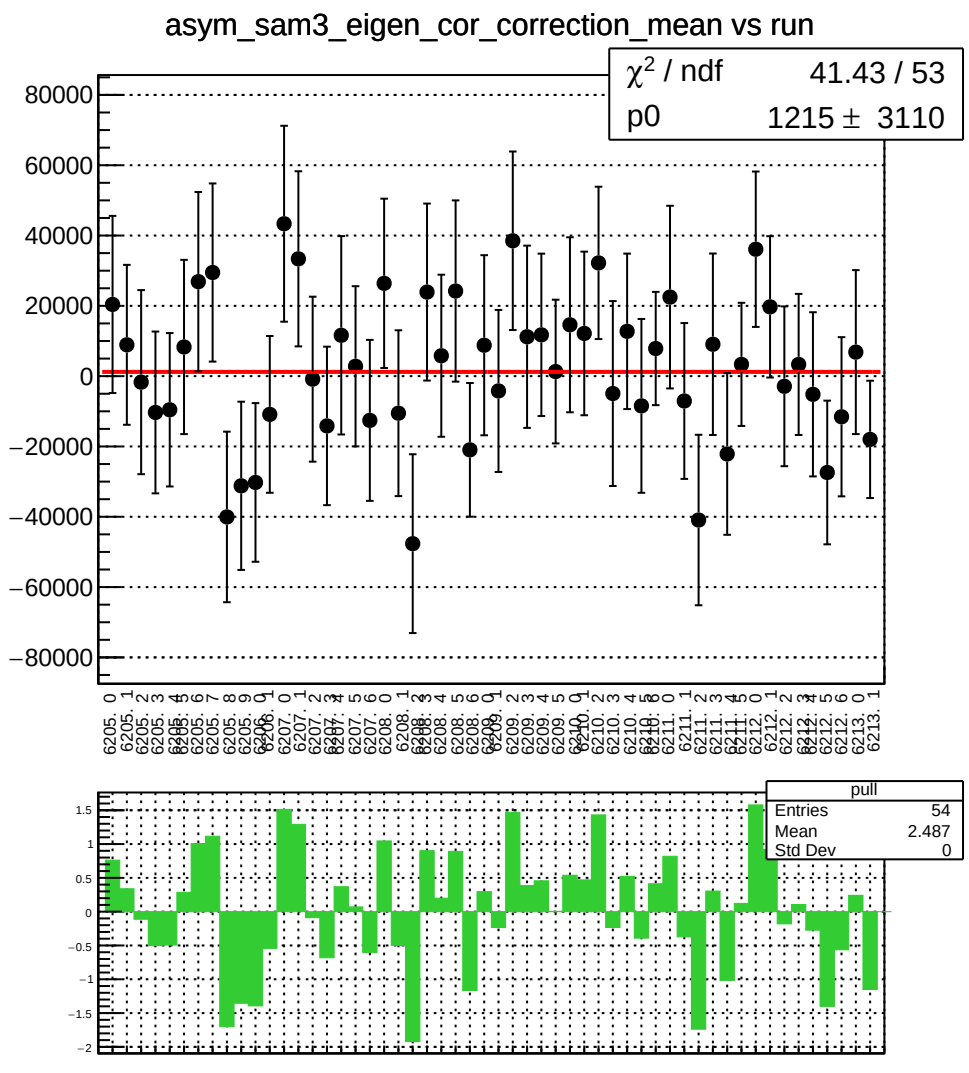
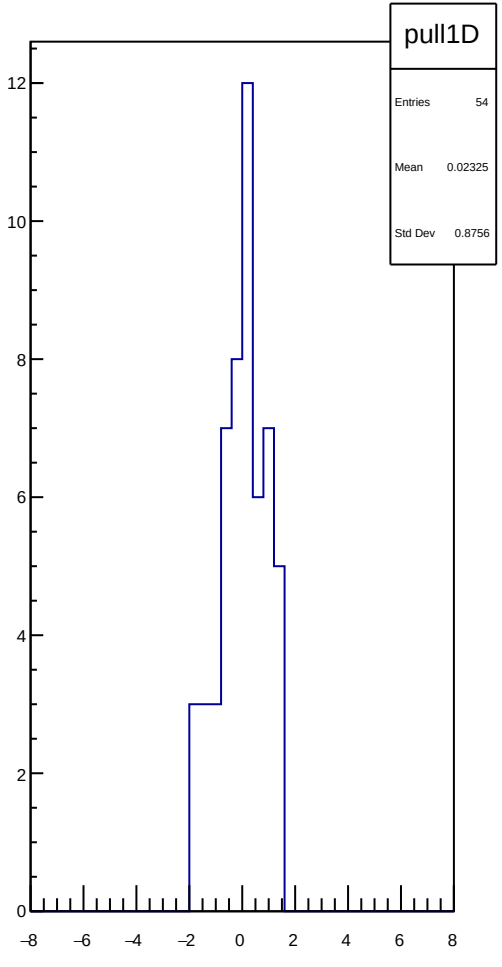
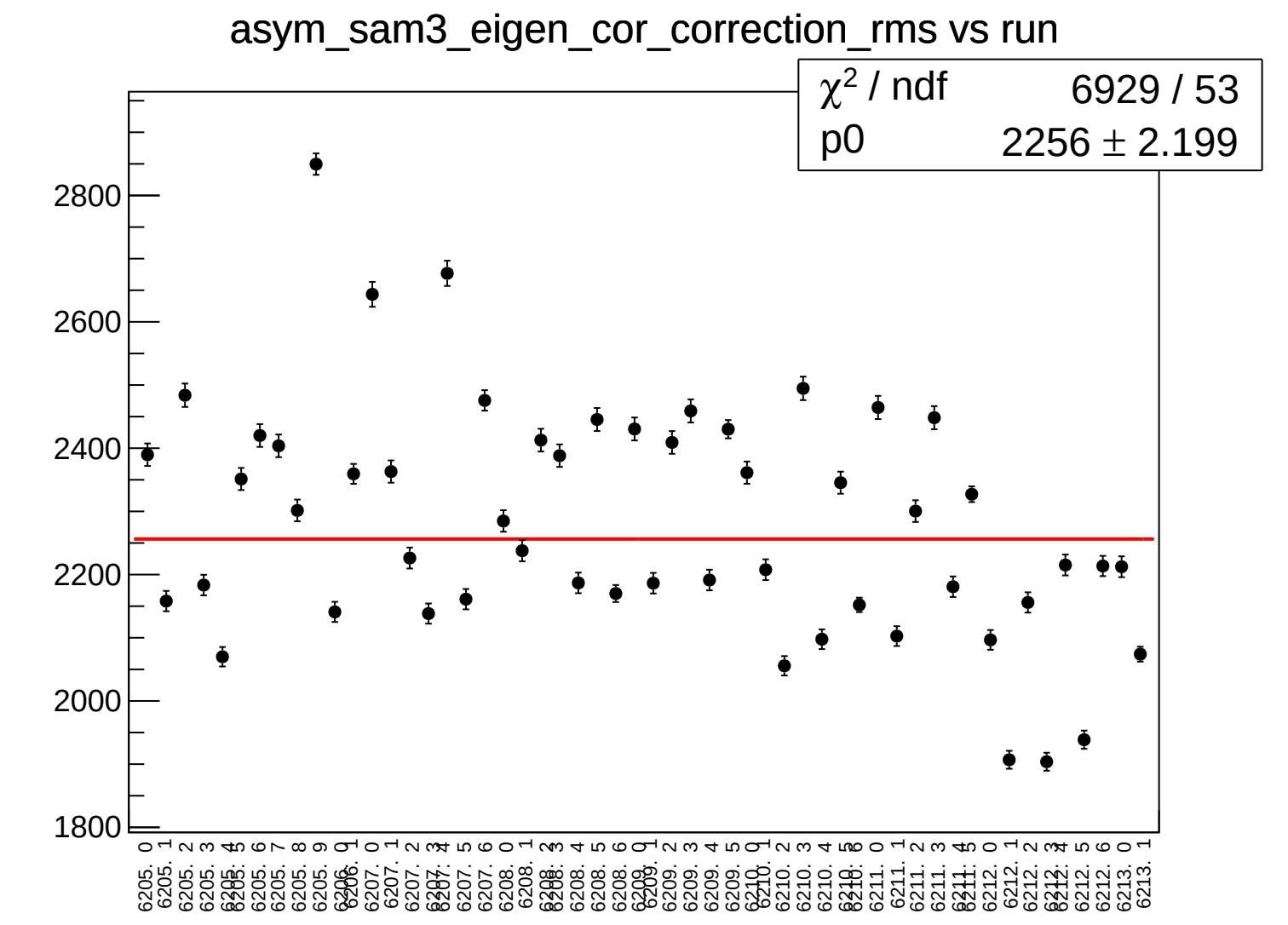
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_sam3_eigen_cor_correction_mean vs run
χ² / ndf 41.43 / 53
p0 1215 ± 3110
pull
Entries 54
Mean 2.487
Std Dev 0


pull1D
Entries 54
Mean 0.02325
Std Dev 0.8756


asym_sam3_eigen_cor_correction_rms vs run
χ² / ndf 6929 / 53
p0 2256 ± 2.199
2800
2600
2400
2200
2000
1800
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
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6205. 7
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6208. 6
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6209. 5
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6210. 4
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6210. 6
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6211. 3
6211. 4
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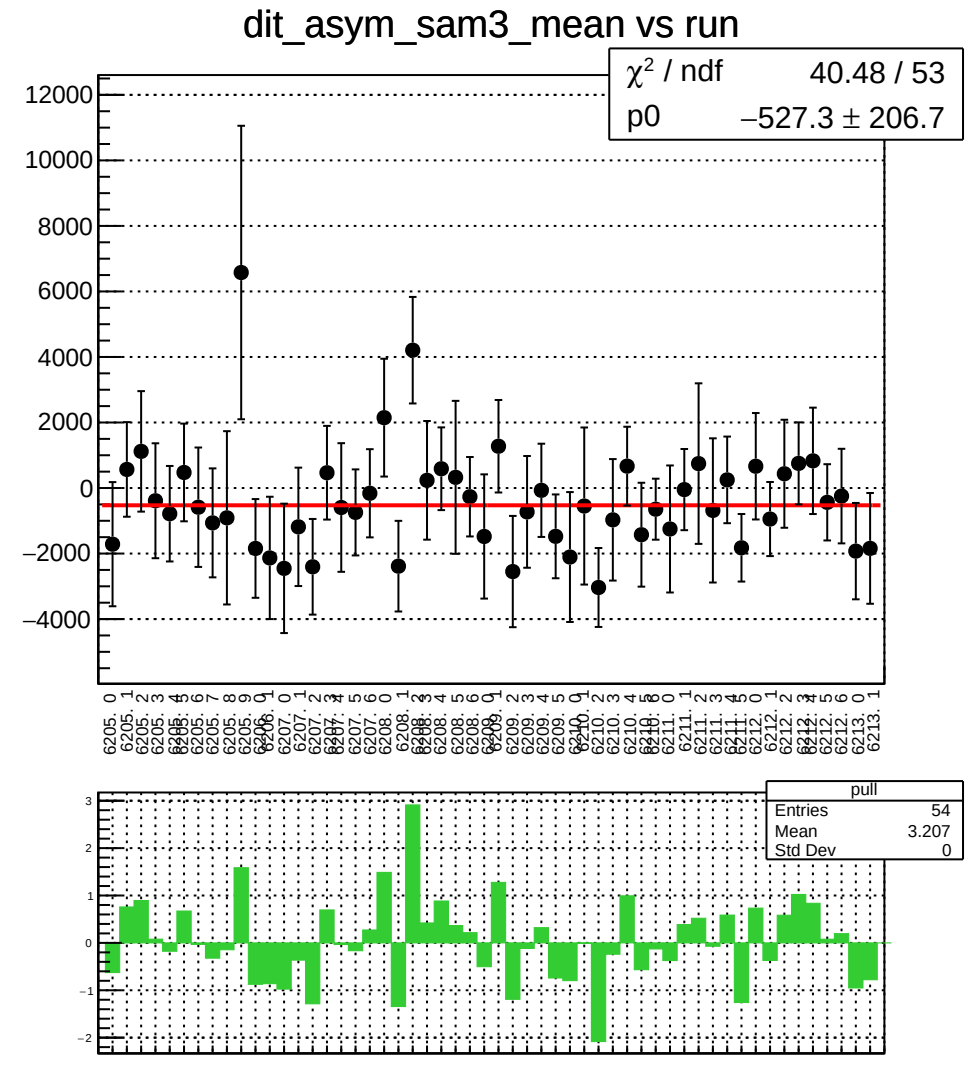
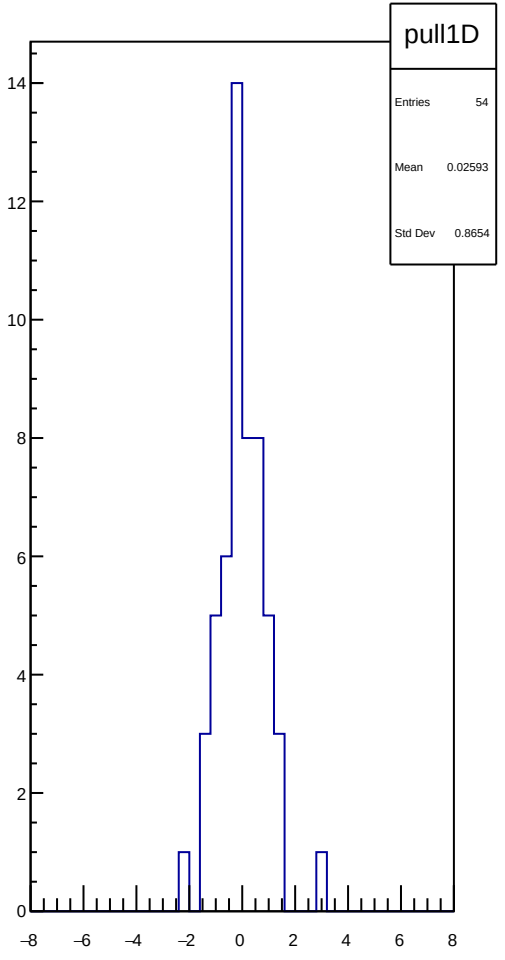
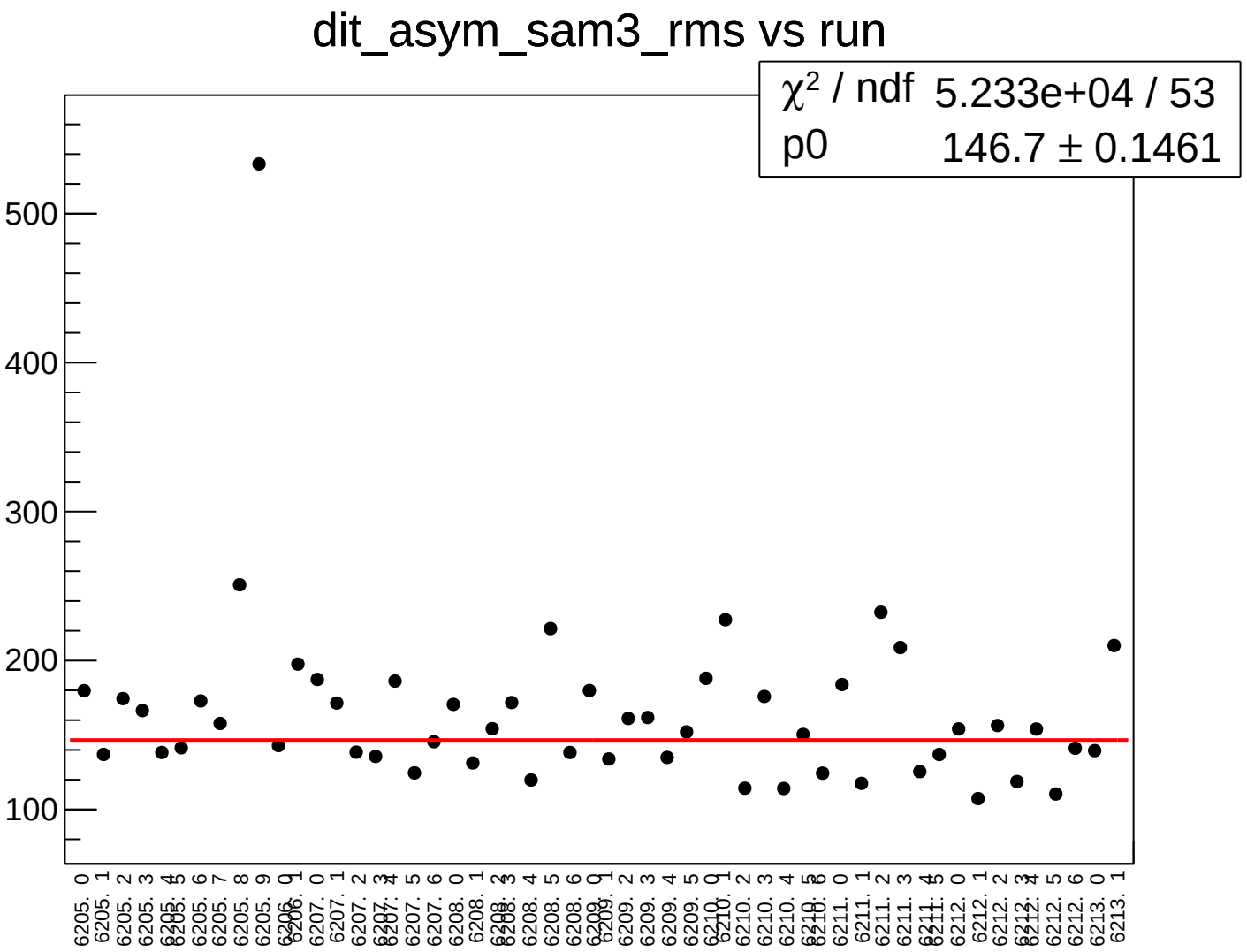

dit_asym_sam3_mean vs run
χ² / ndf 40.48 / 53
p0 −527.3 ± 206.7
pull
Entries 54
Mean 3.207
Std Dev 0


pull1D
Entries 54
Mean 0.02593
Std Dev 0.8654


dit_asym_sam3_rms vs run
χ² / ndf 5.233e+04 / 53
p0 146.7 ± 0.1461
500
400
300
200
100
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
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6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
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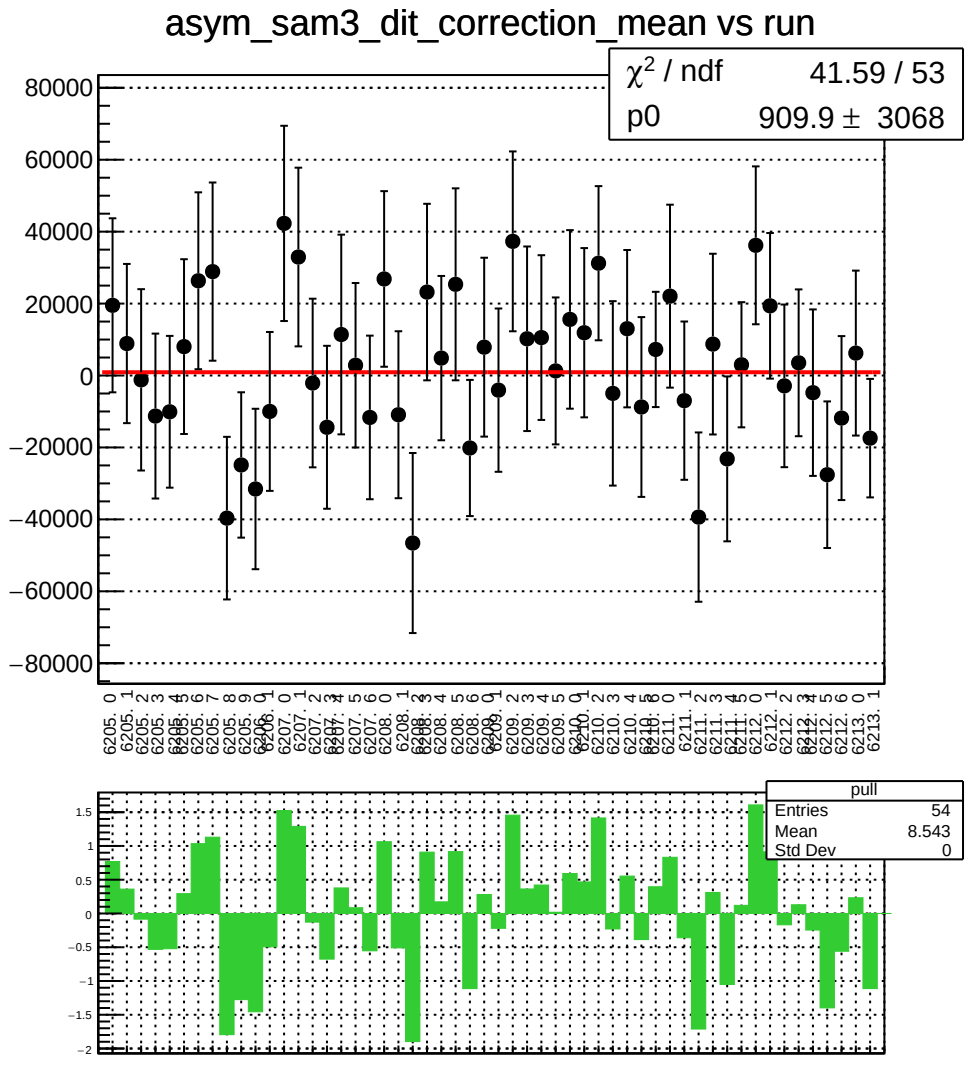
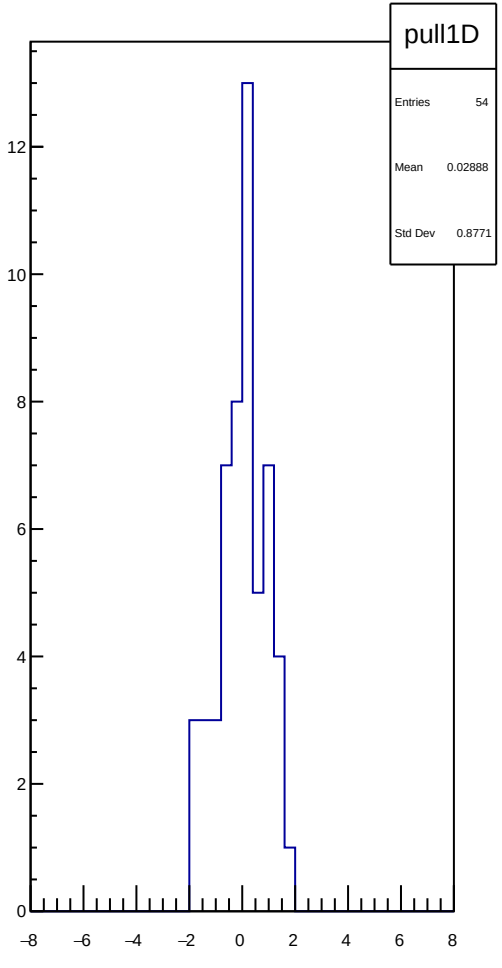
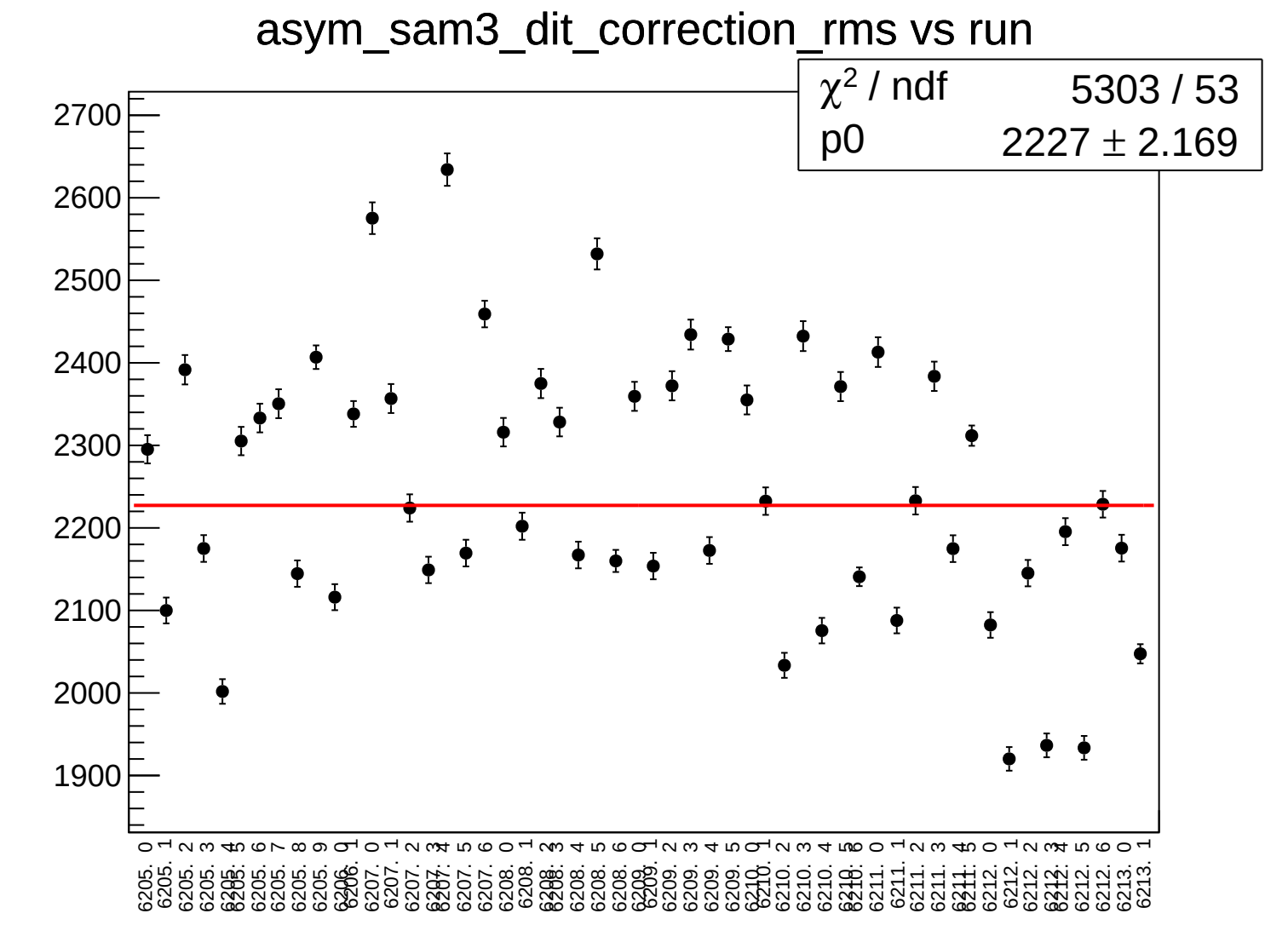
6212. 6
6213. 0
6213. 1


asym_sam3_dit_correction_mean vs run
χ² / ndf 41.59 / 53
p0 909.9 ± 3068
pull
Entries 54
Mean 8.543
Std Dev 0


pull1D
Entries 54
Mean 0.02888
Std Dev 0.8771


asym_sam3_dit_correction_rms vs run
χ² / ndf 5303 / 53
p0 2227 ± 2.169
2700
2600
2500
2400
2300
2200
2100
2000
1900
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
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6207. 2
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6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
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6209. 5
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6210. 4
6210. 5
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6211. 1
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6211. 4
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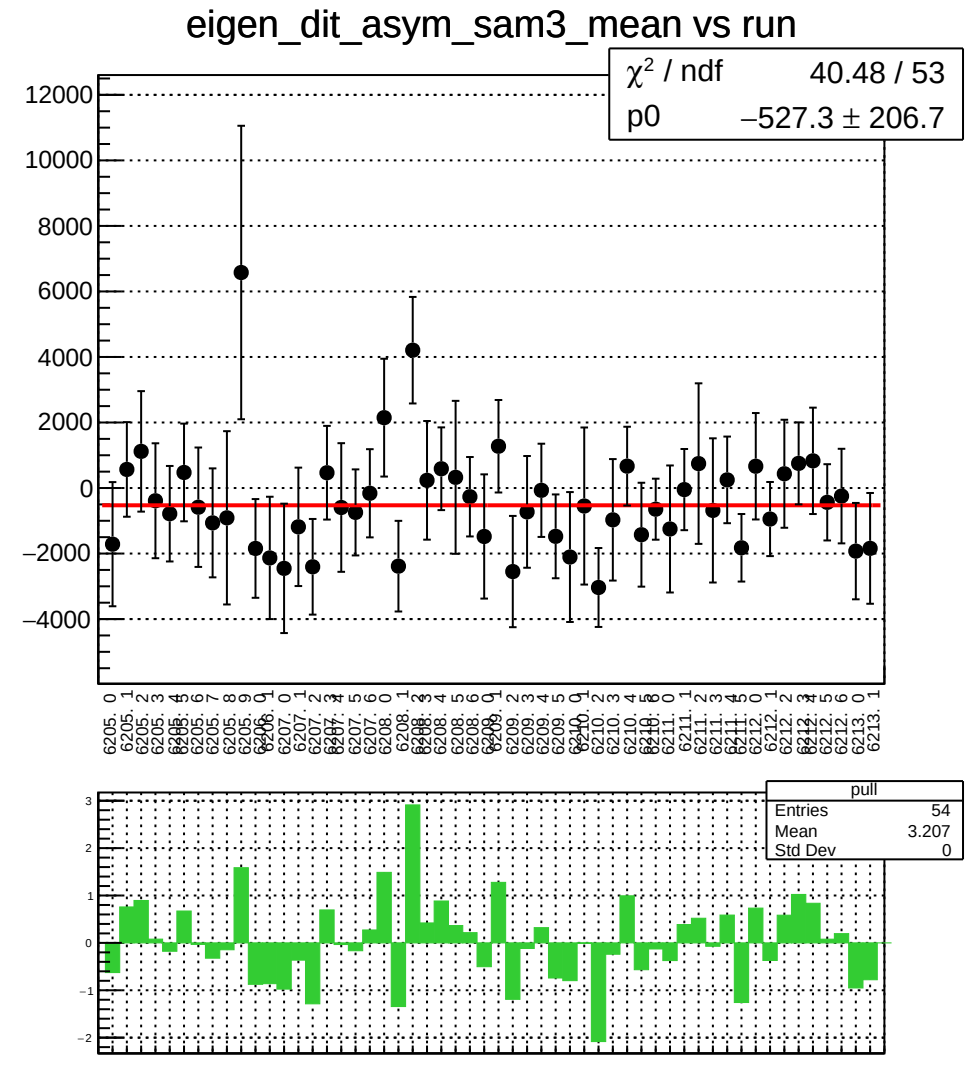
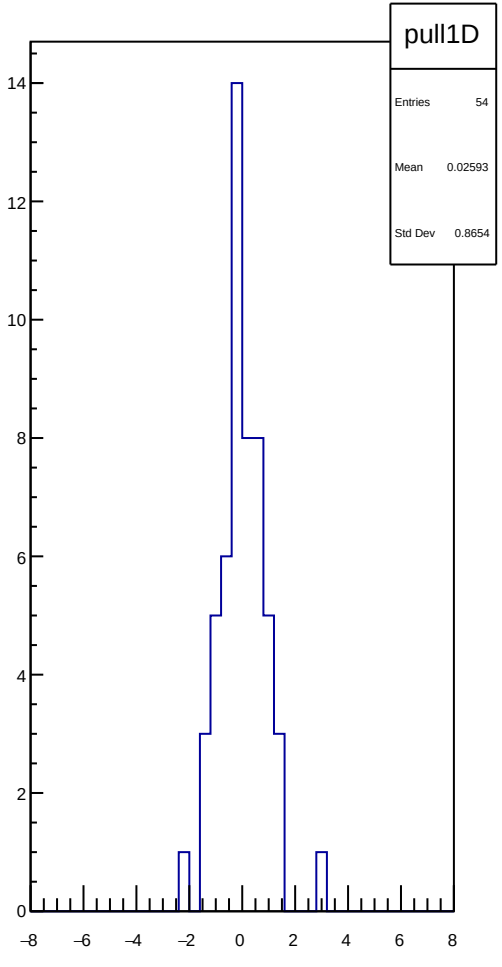
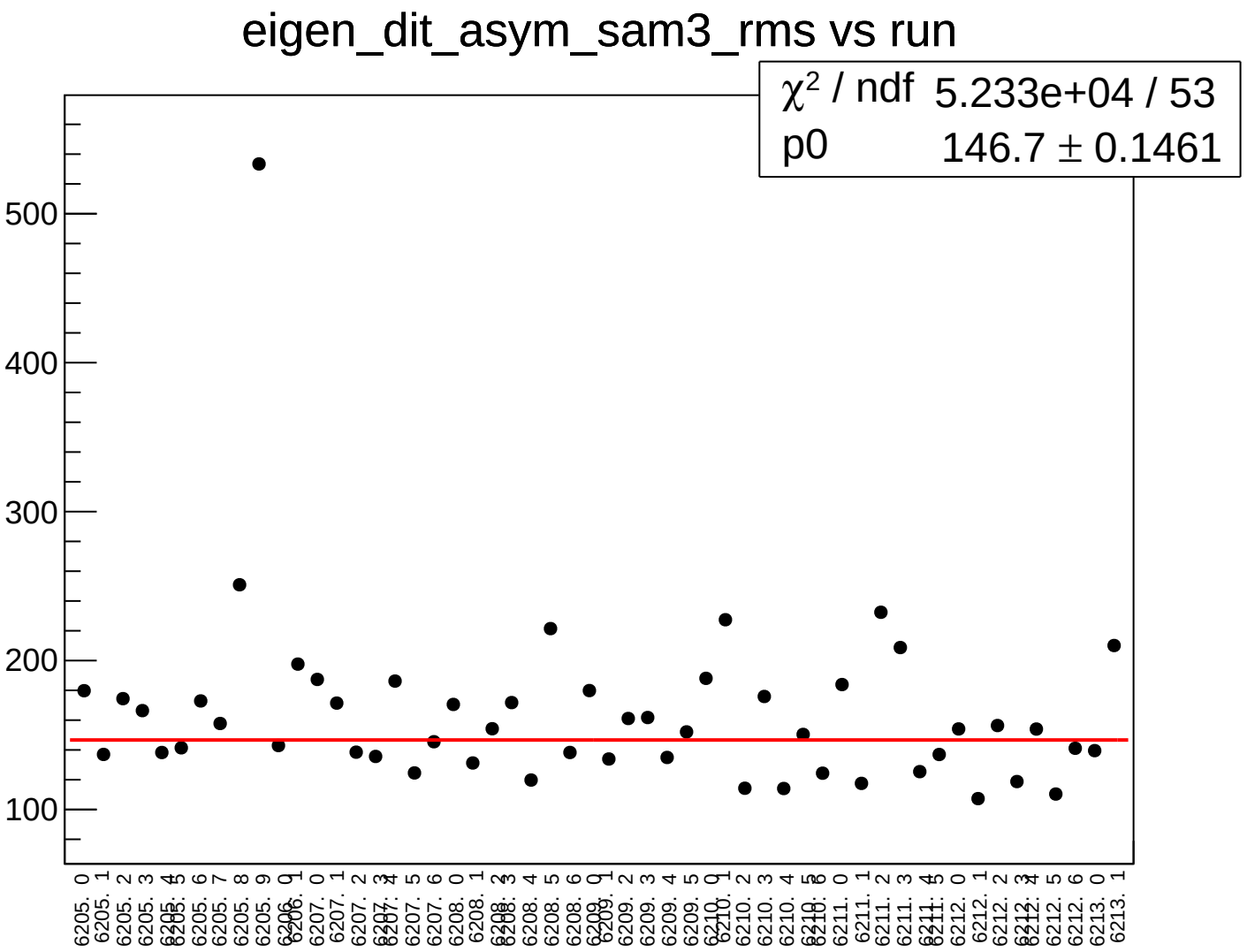
6213. 0
6213. 1


eigen_dit_asym_sam3_mean vs run
χ² / ndf 40.48 / 53
p0 −527.3 ± 206.7
pull
Entries 54
Mean 3.207
Std Dev 0


pull1D
Entries 54
Mean 0.02593
Std Dev 0.8654


eigen_dit_asym_sam3_rms vs run
χ² / ndf 5.233e+04 / 53
p0 146.7 ± 0.1461
500
400
300
200
100
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
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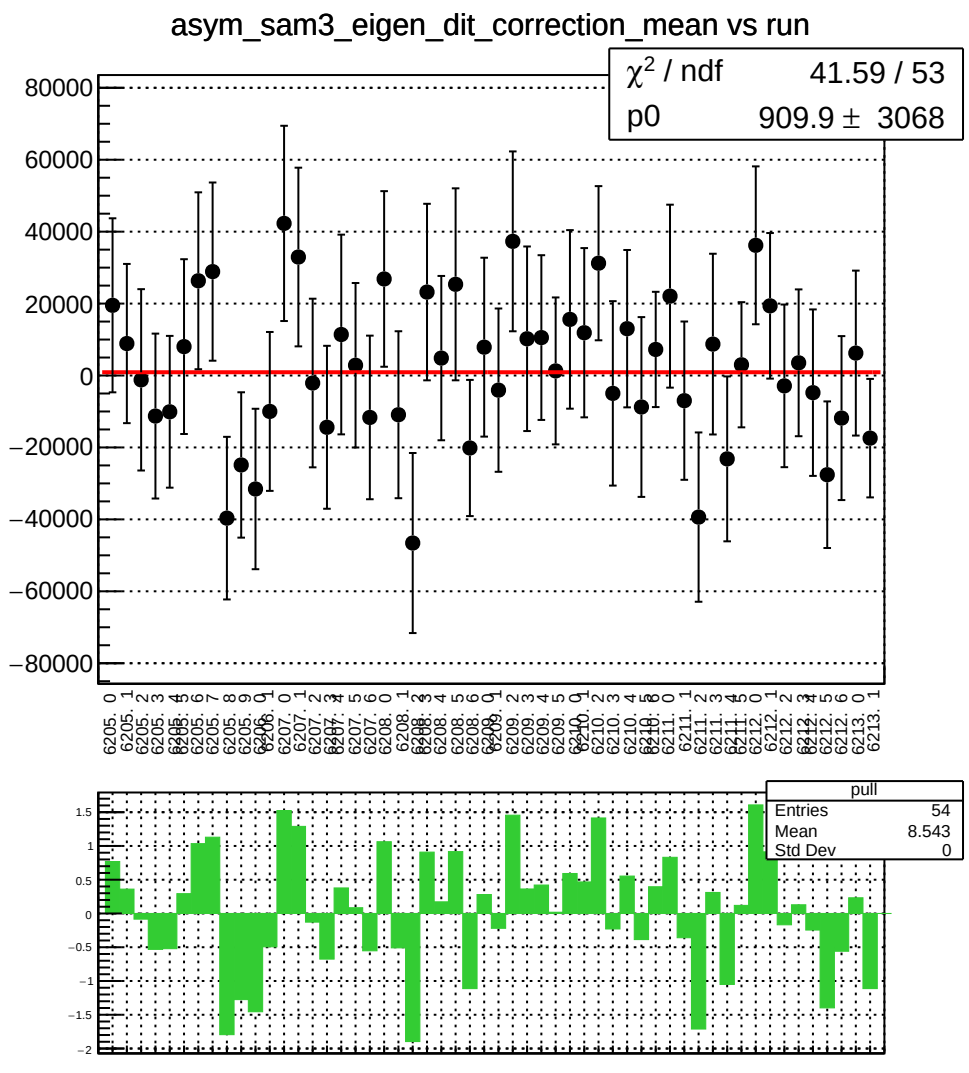
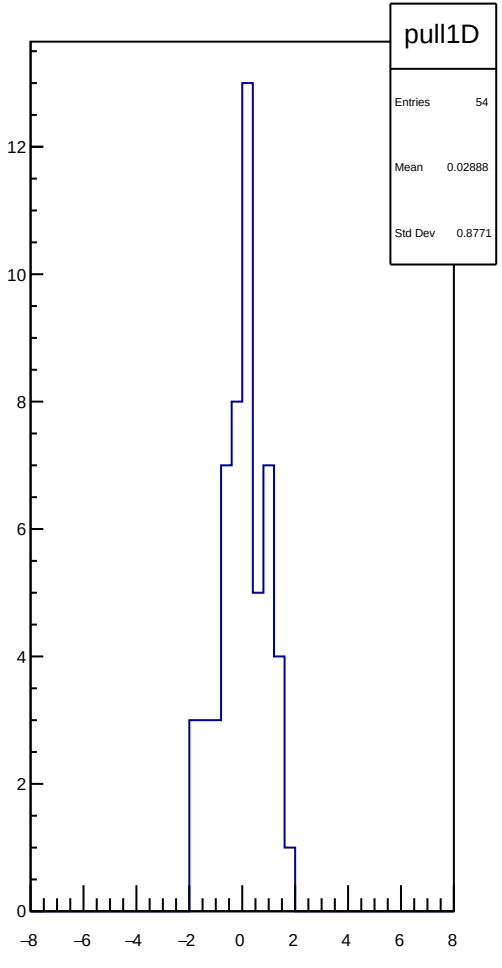
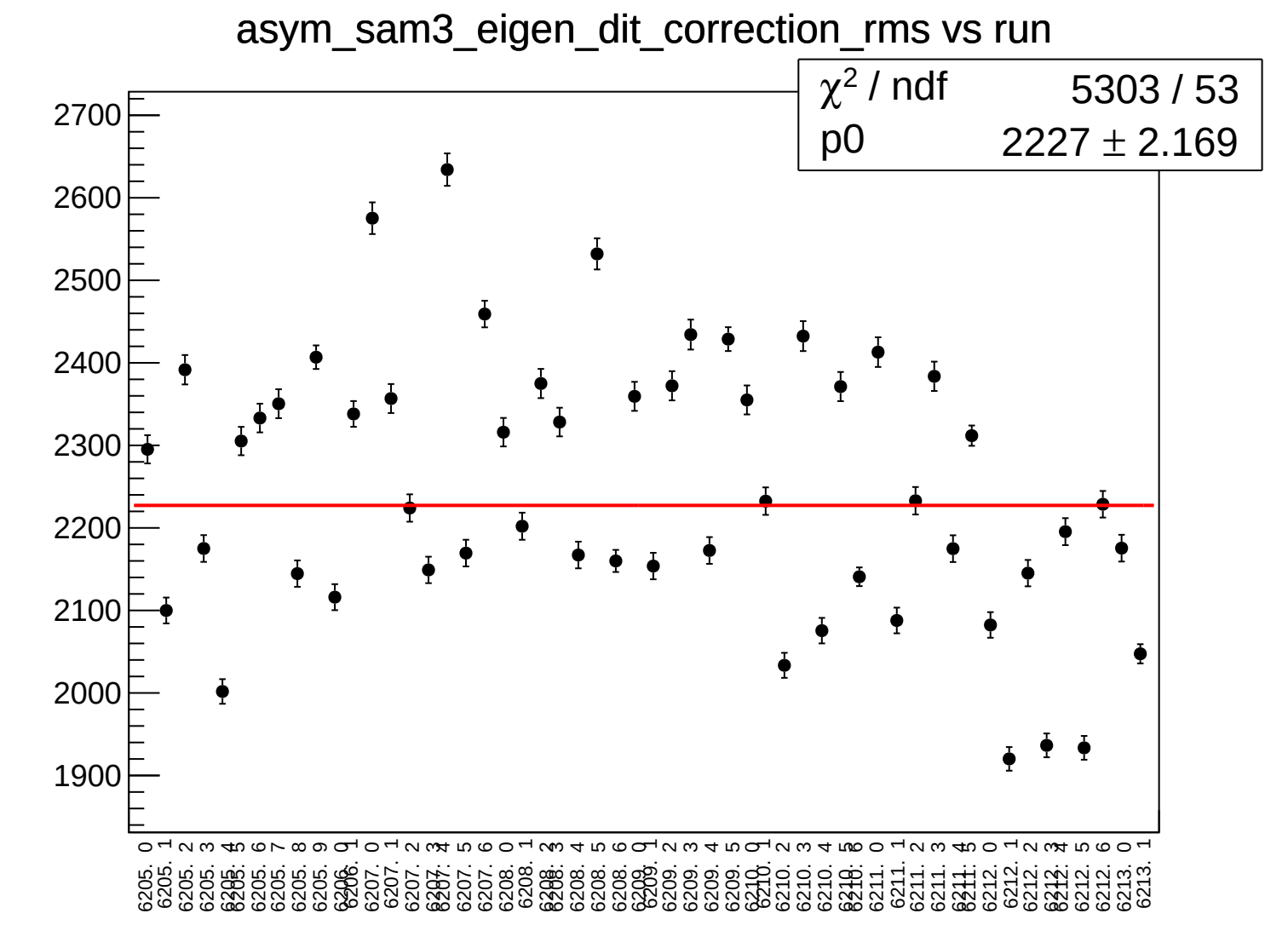

asym_sam3_eigen_dit_correction_mean vs run
χ² / ndf 41.59 / 53
p0 909.9 ± 3068
pull
Entries 54
Mean 8.543
Std Dev 0


pull1D
Entries 54
Mean 0.02888
Std Dev 0.8771


asym_sam3_eigen_dit_correction_rms vs run
χ² / ndf 5303 / 53
p0 2227 ± 2.169
2700
2600
2500
2400
2300
2200
2100
2000
1900
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
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6207. 2
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6207. 6
6208. 0
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6212. 6
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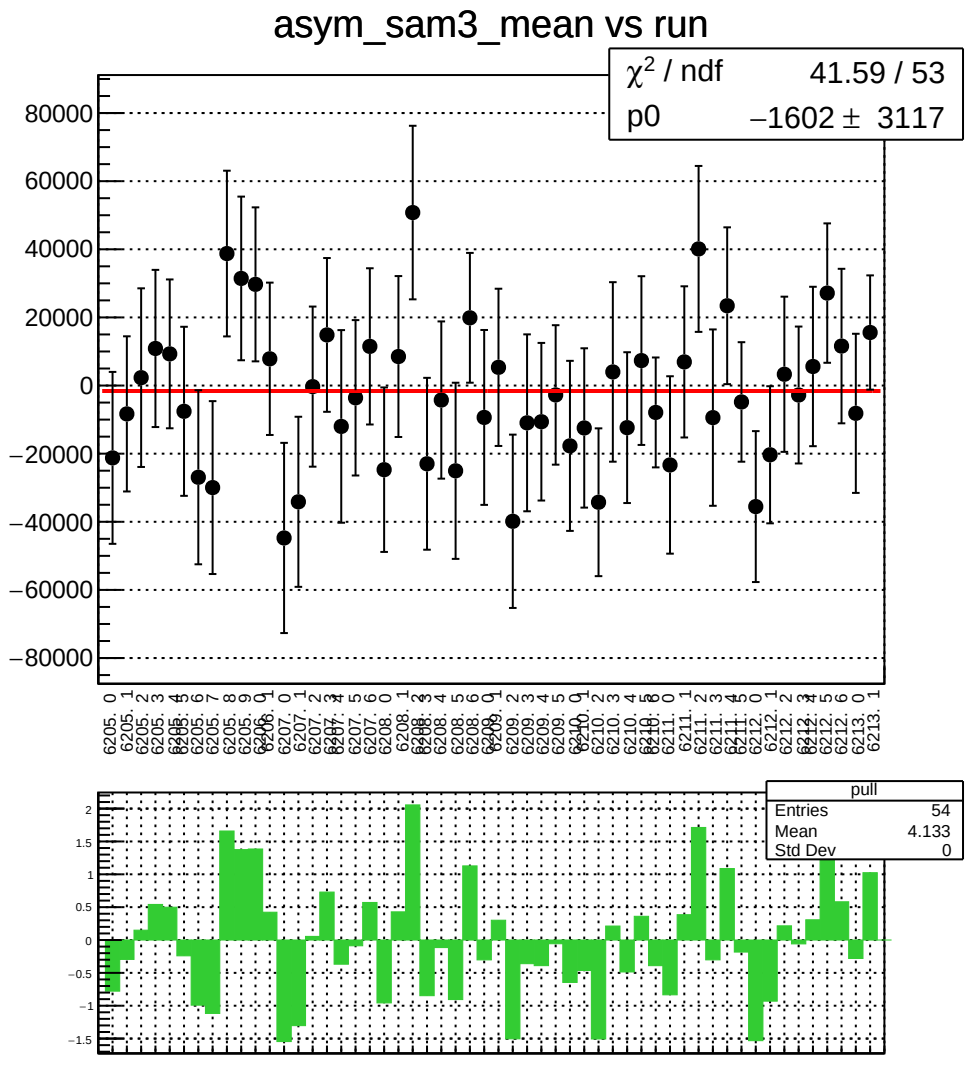
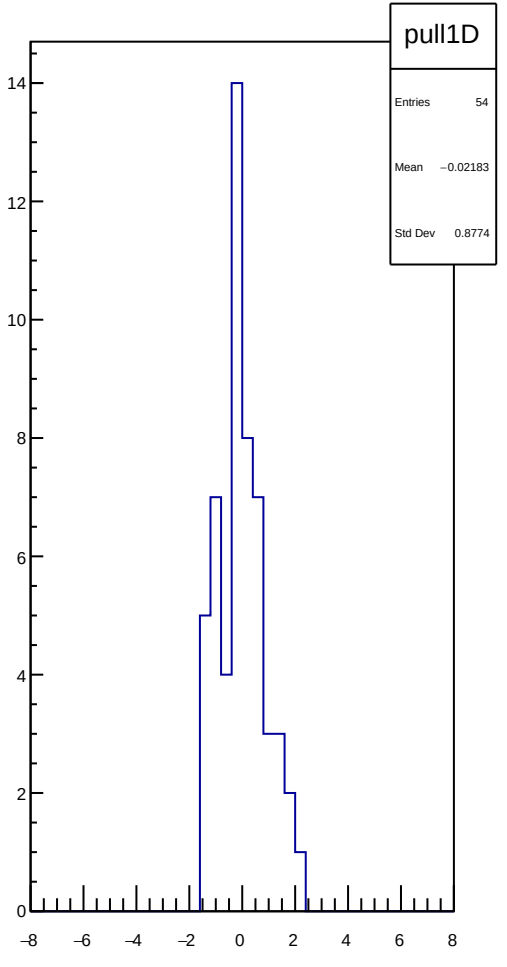
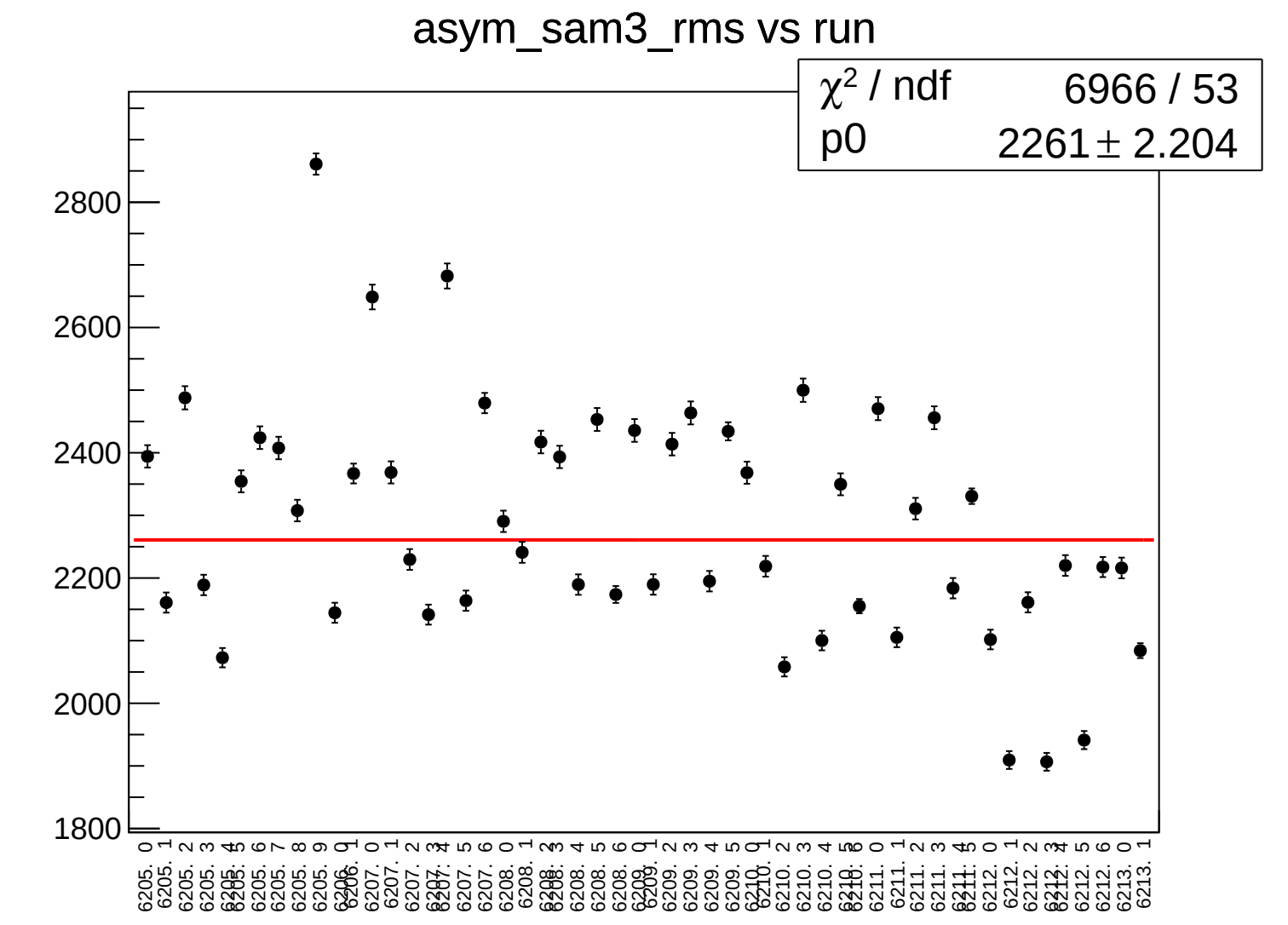

asym_sam3_mean vs run
χ² / ndf 41.59 / 53
p0 −1602 ± 3117
pull
Entries 54
Mean 4.133
Std Dev 0


pull1D
Entries 54
Mean −0.02183
Std Dev 0.8774


asym_sam3_rms vs run
χ² / ndf 6966 / 53
p0 2261 ± 2.204
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2600
2400
2200
2000
1800
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 1
6210. 2
6210. 3
6210. 4
6211. 0
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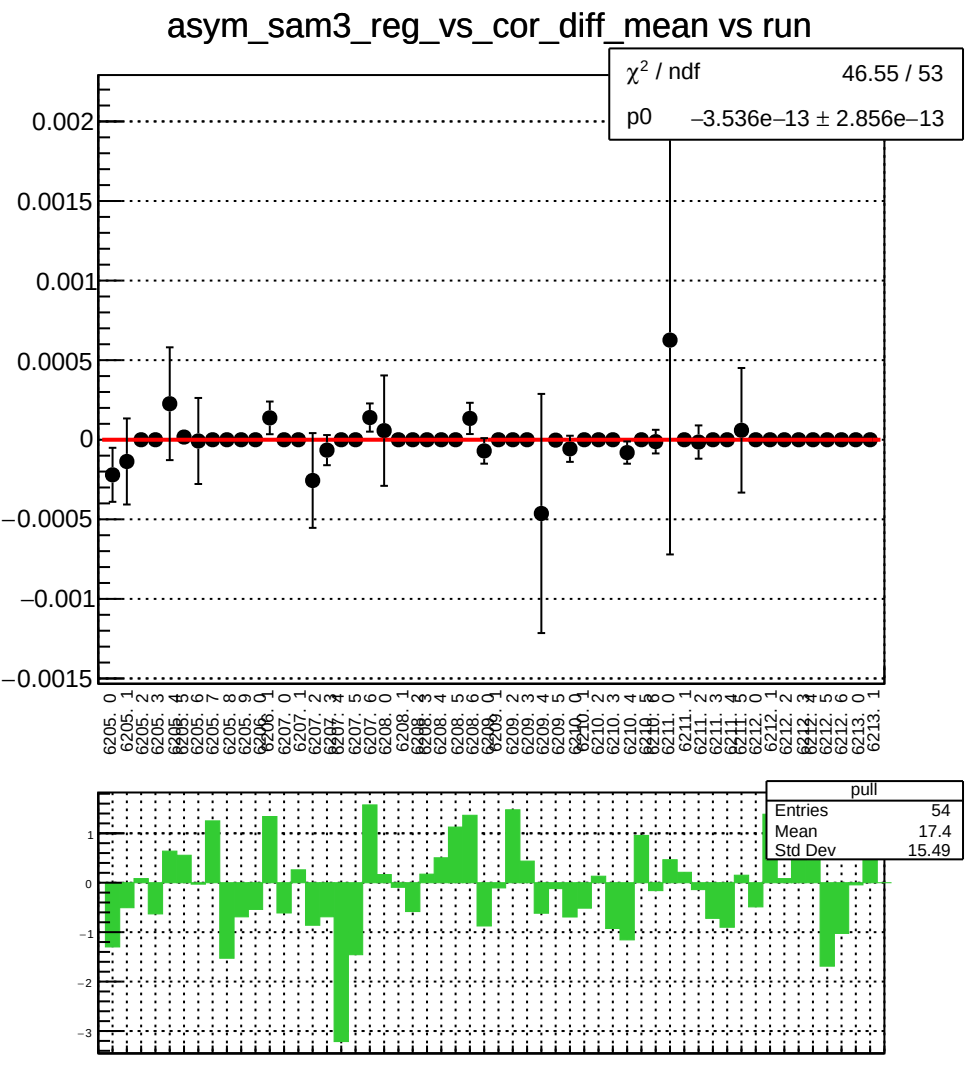
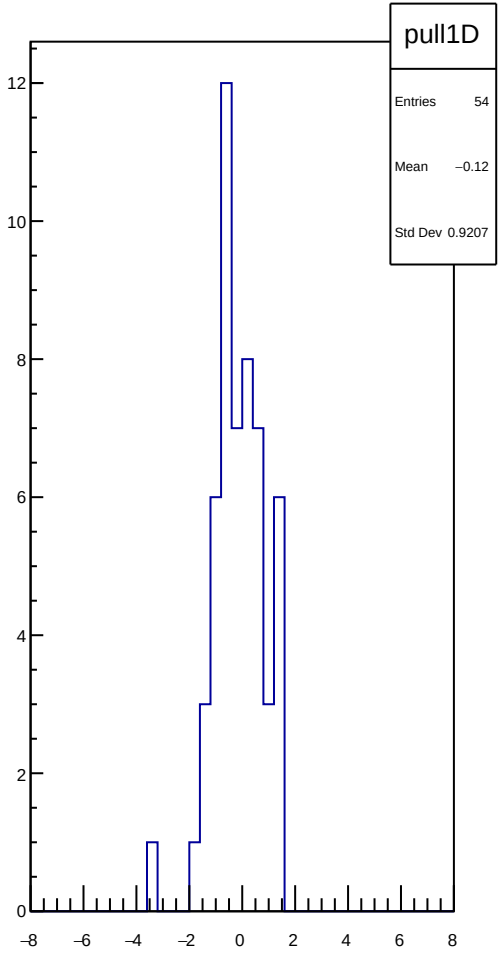
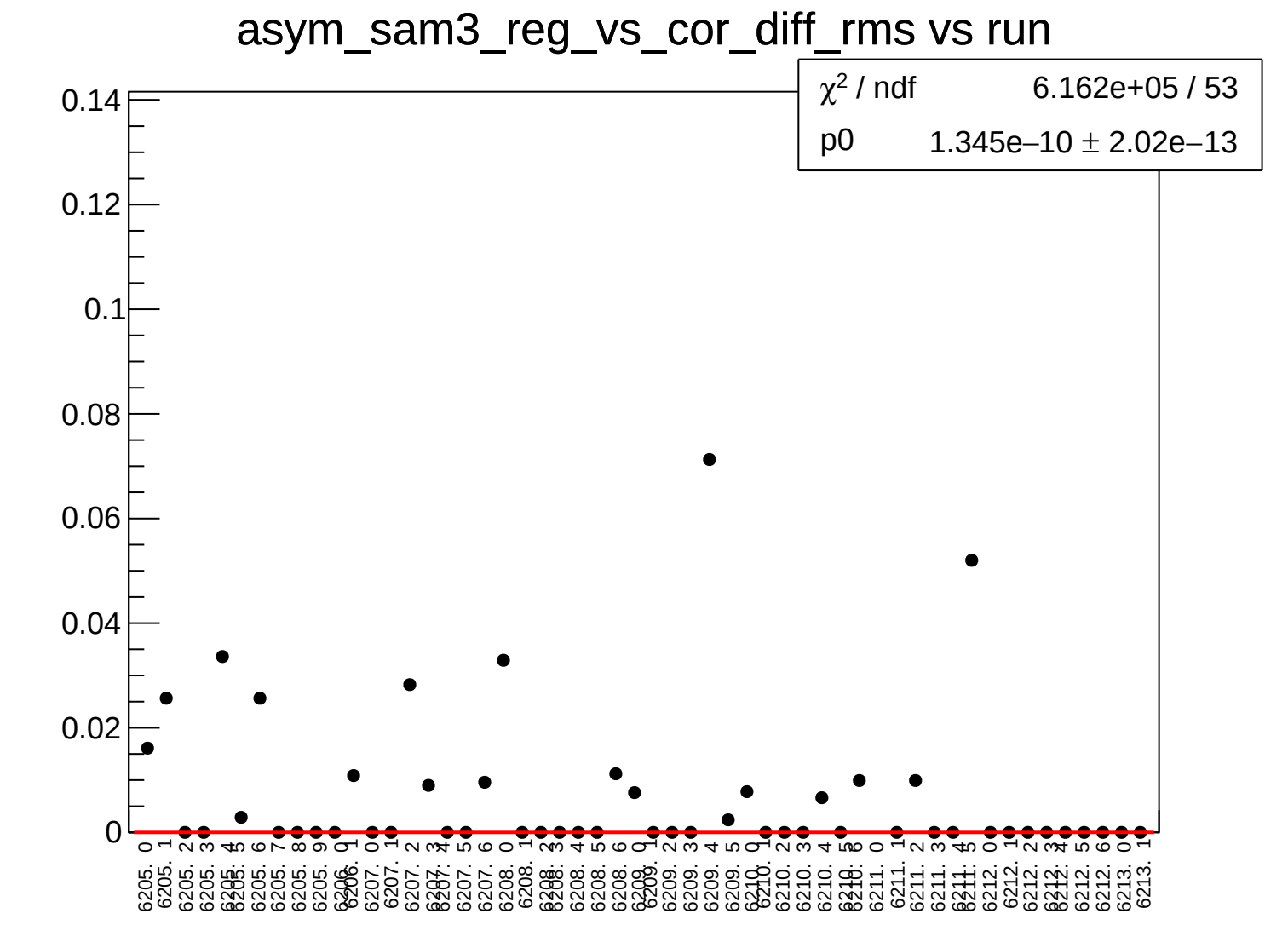
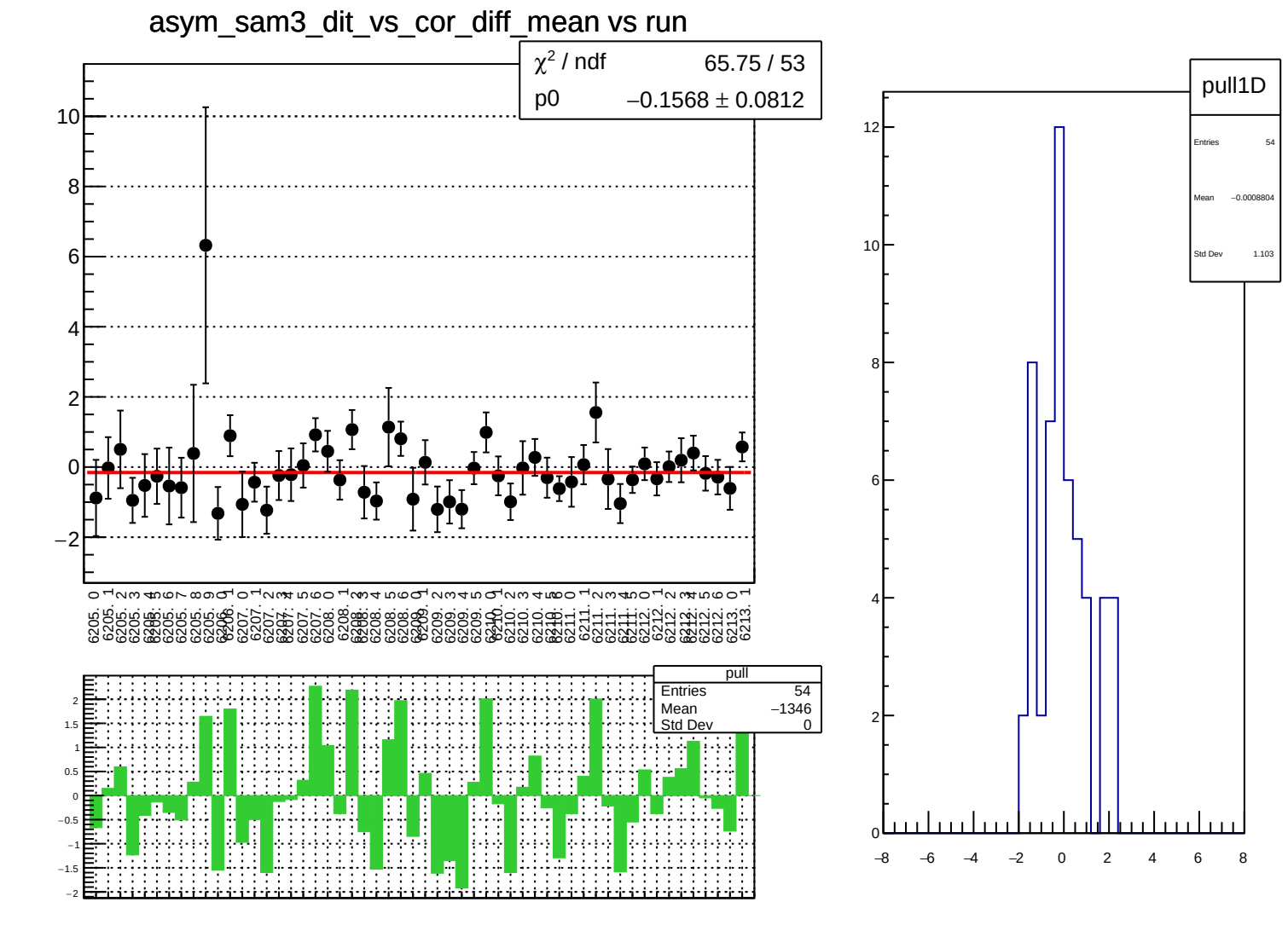
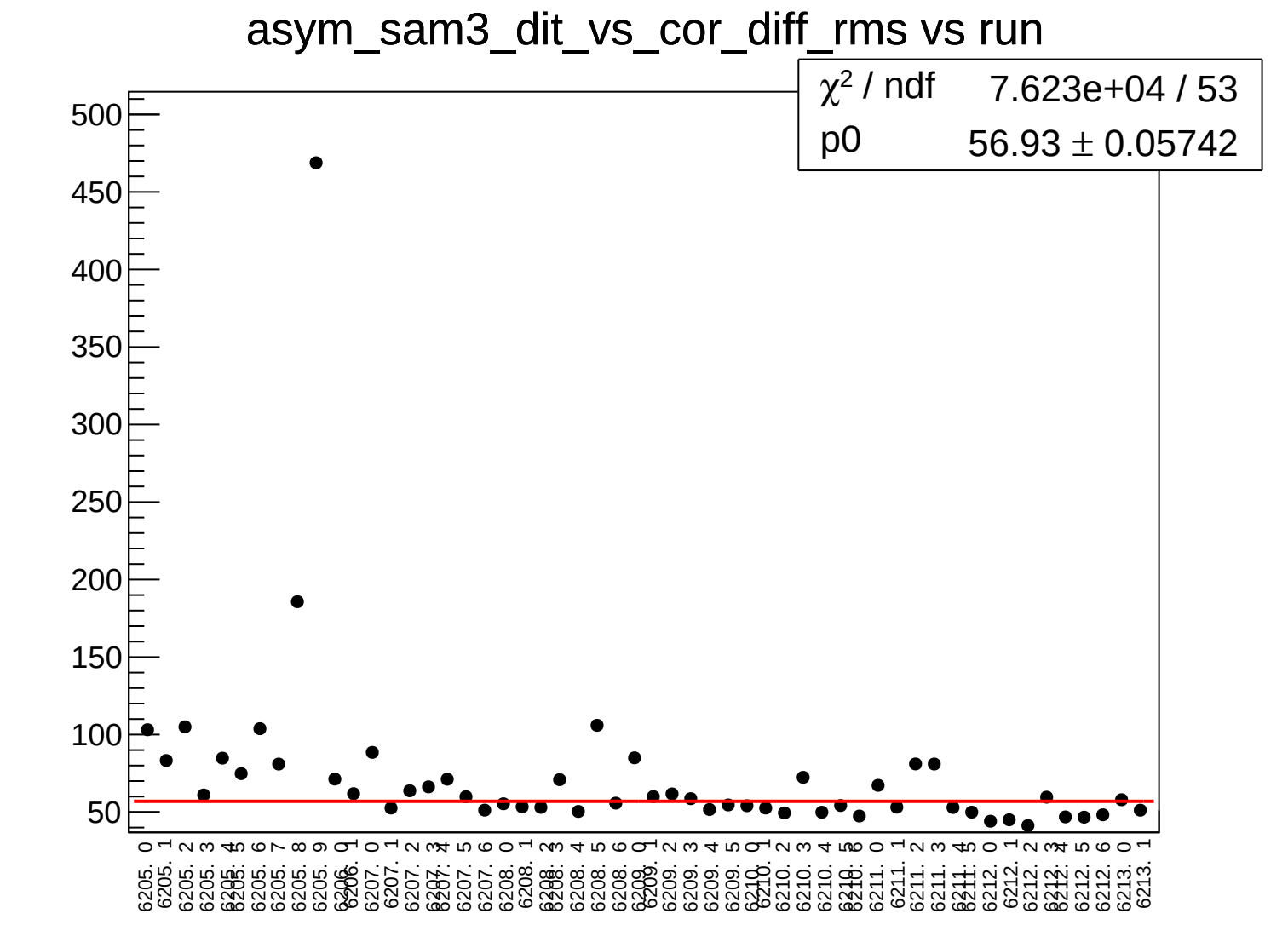
6213. 1

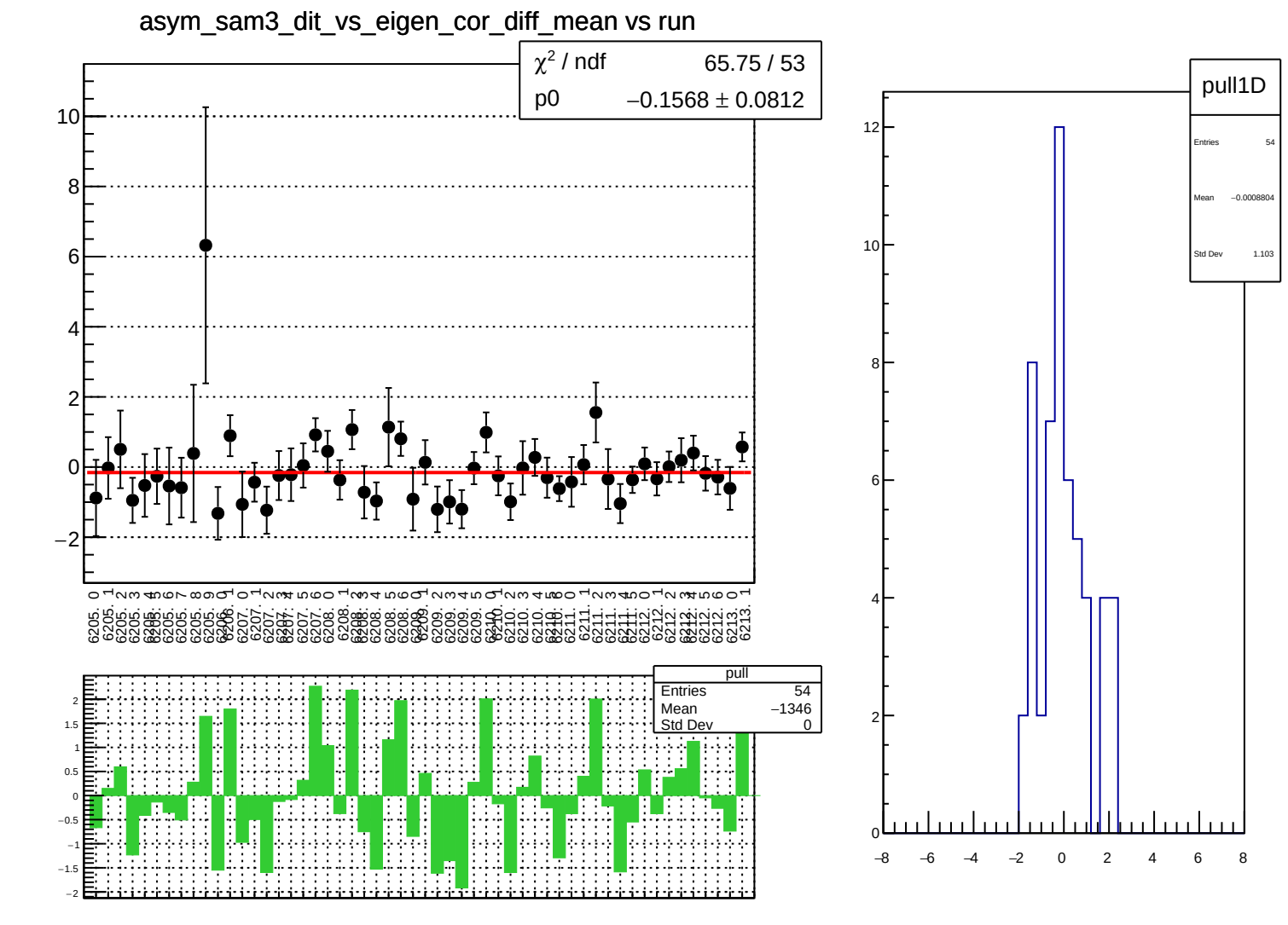

asym_sam3_reg_vs_cor_diff_mean vs run
χ² / ndf 46.55 / 53
p0 −3.536e−13 ± 2.856e−13
pull
Entries 54
Mean 17.4
Std Dev 15.49

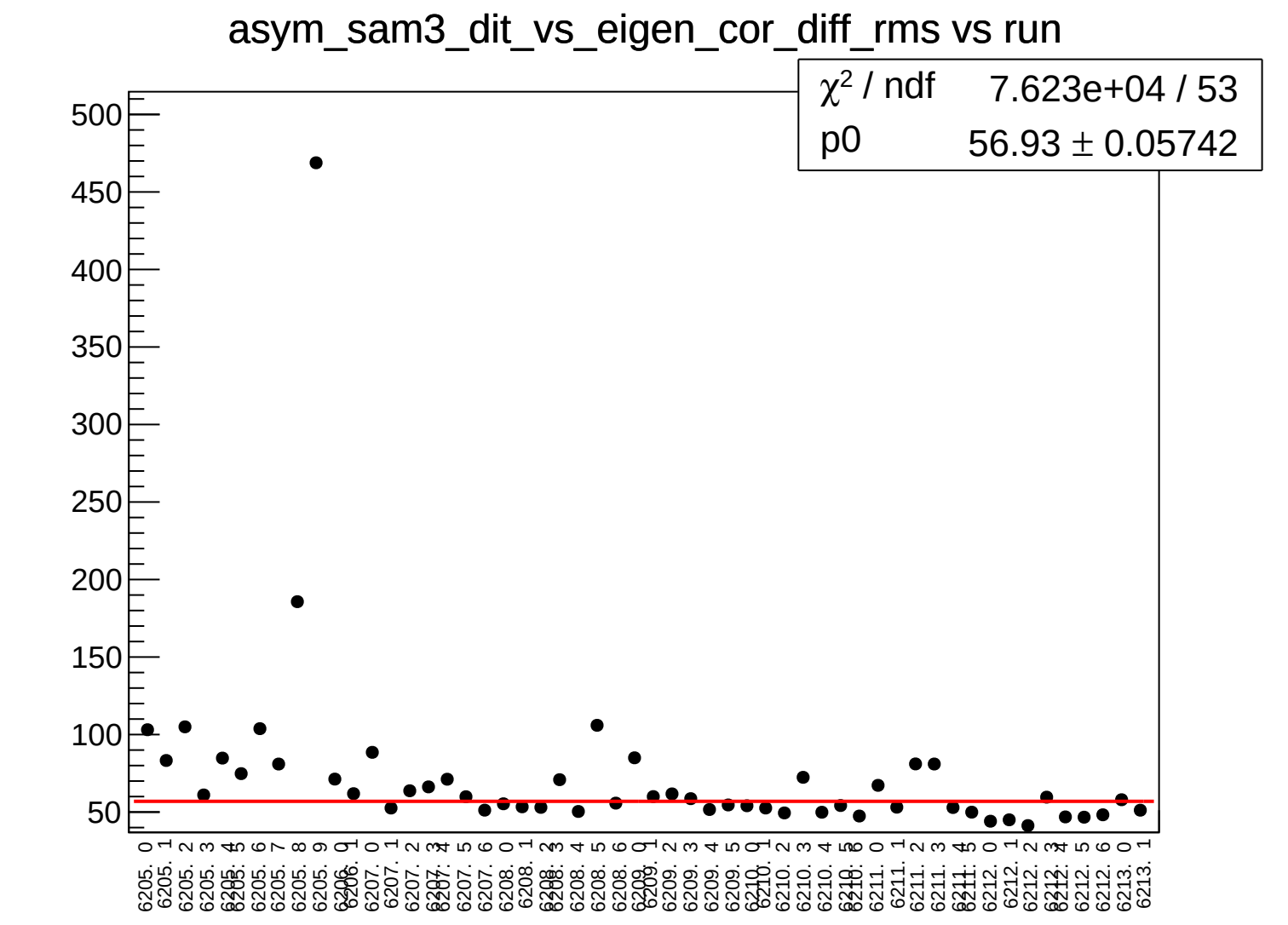

pull1D
Entries 54
Mean −0.12
Std Dev 0.9207

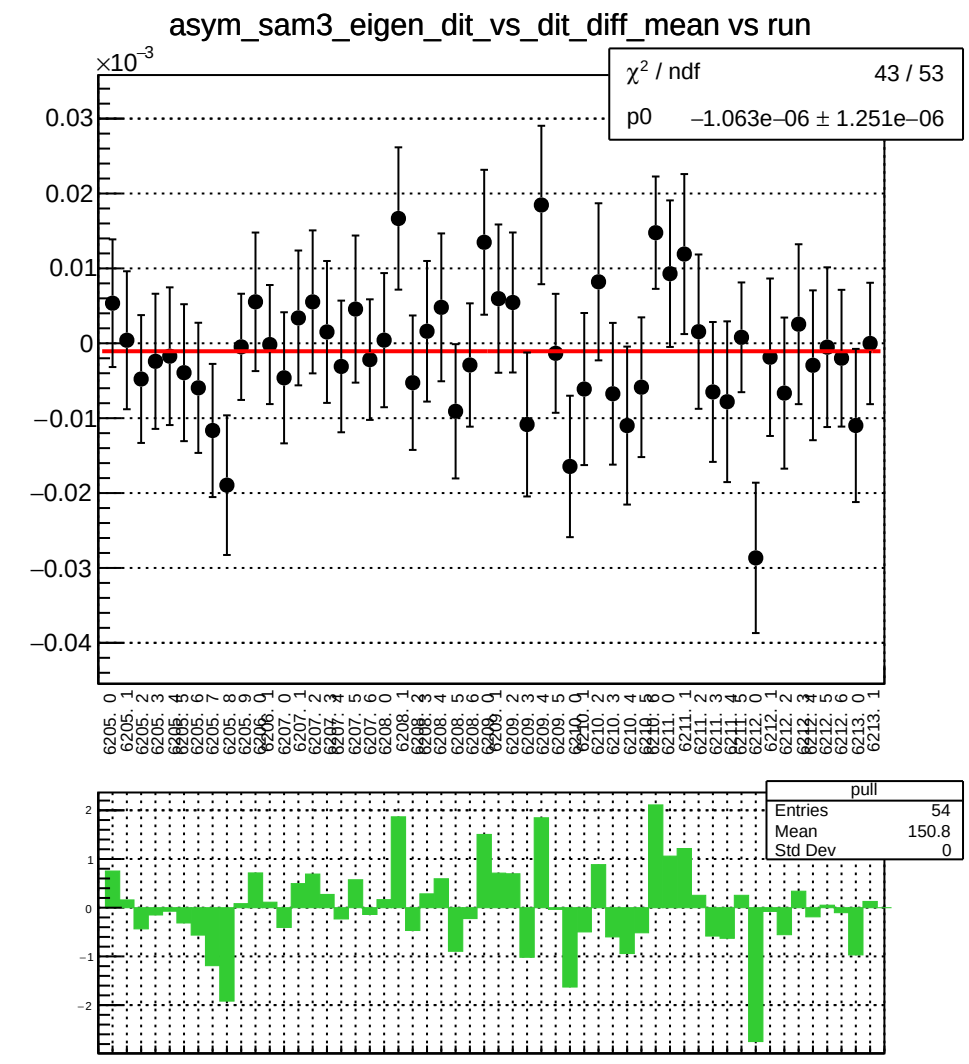

asym_sam3_reg_vs_cor_diff_rms vs run
χ² / ndf 6.162e+05 / 53
p0 1.345e−10 ± 2.02e−13
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

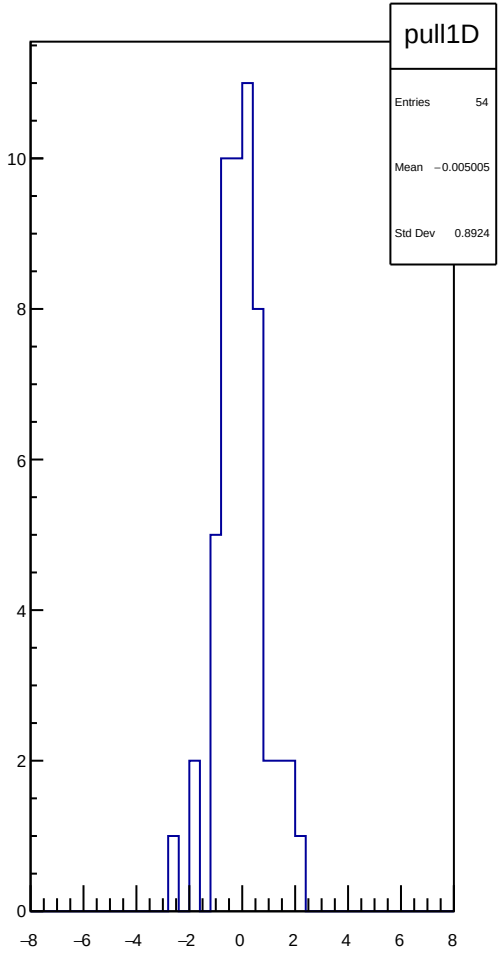

asym_sam3_dit_vs_cor_diff_mean vs run
χ² / ndf 65.75 / 53
p0 −0.1568 ± 0.0812
pull
Entries 54
Mean −1346
Std Dev 0
pull1D
Entries 54
Mean −0.0008804
Std Dev 1.103

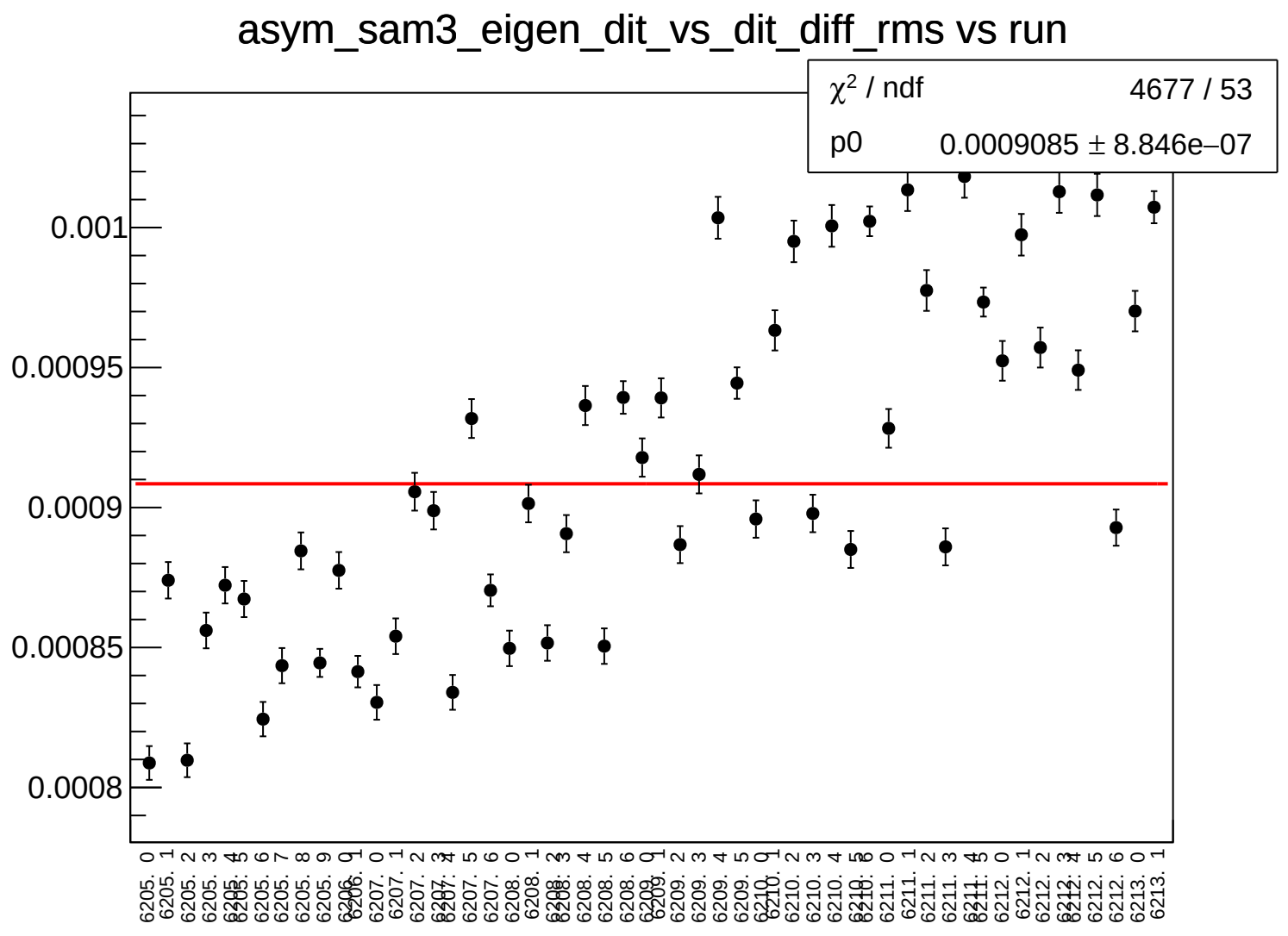

asym_sam3_dit_vs_cor_diff_rms vs run
χ² / ndf 7.623e+04 / 53
p0 56.93 ± 0.05742
500
450
400
350
300
250
200
150
100
50
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

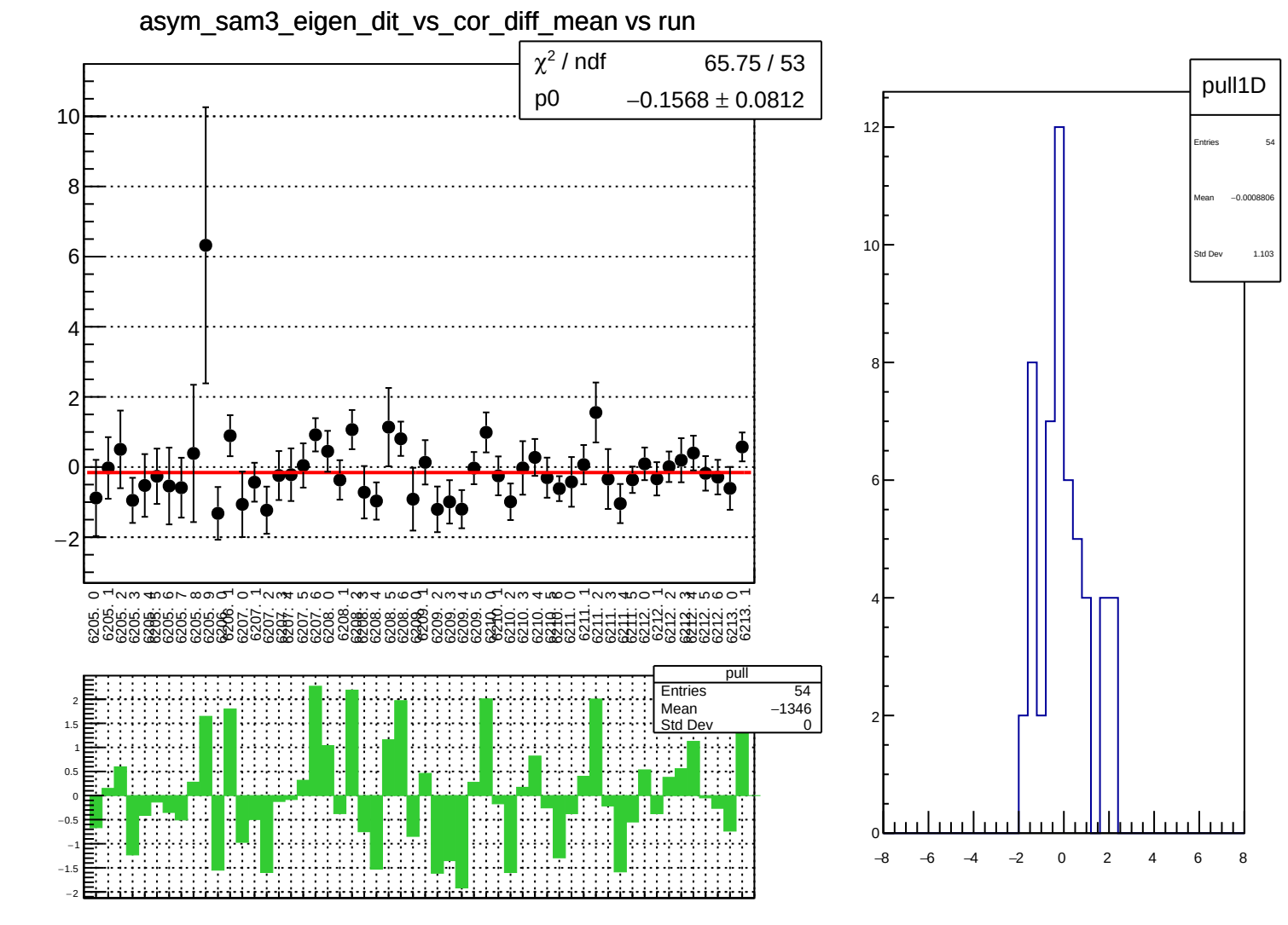

asym_sam3_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 65.75 / 53
p0 −0.1568 ± 0.0812
pull
Entries 54
Mean −1346
Std Dev 0
pull1D
Entries 54
Mean −0.0008804
Std Dev 1.103

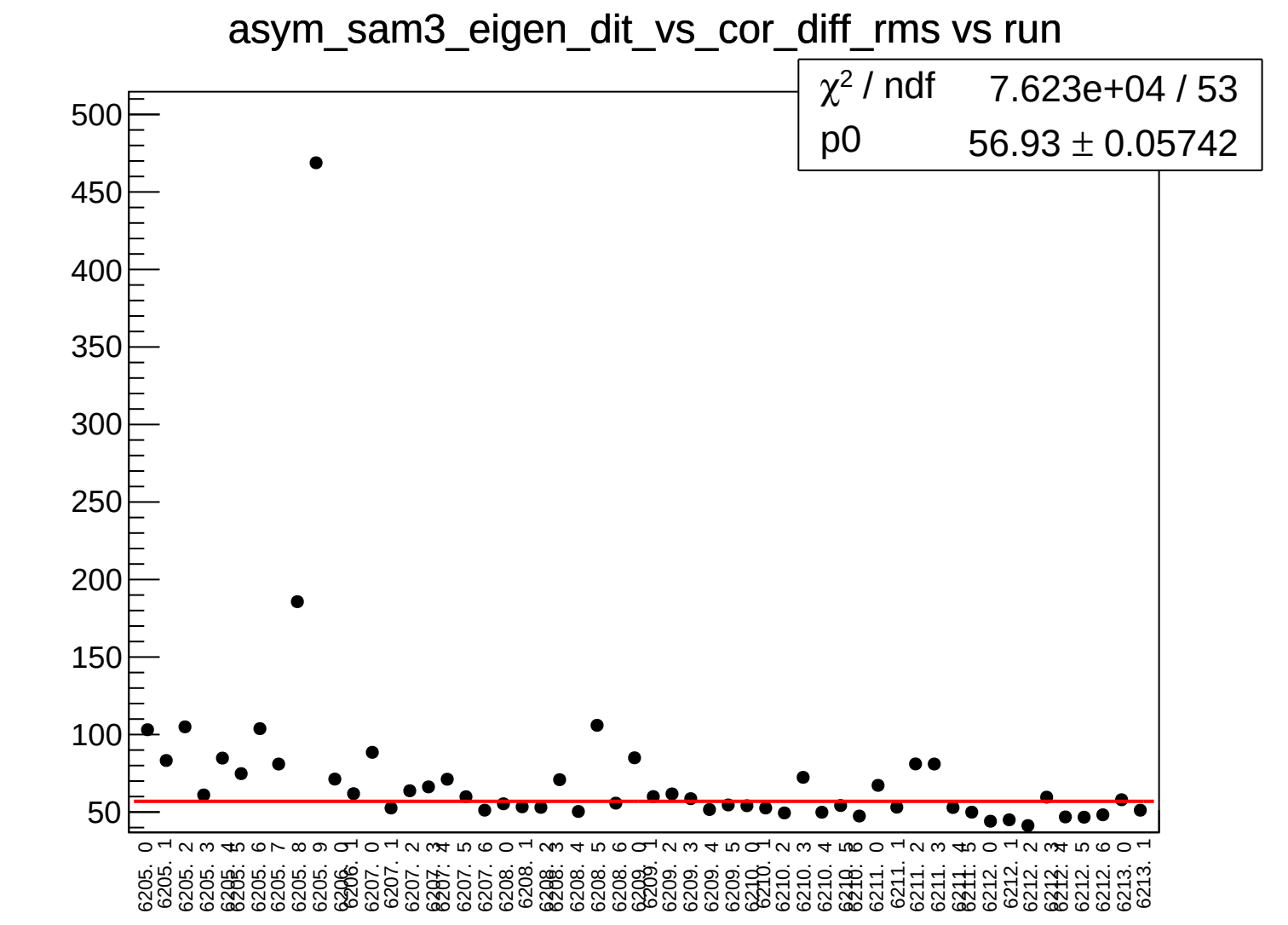

asym_sam3_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.623e+04 / 53
p0 56.93 ± 0.05742
500
450
400
350
300
250
200
150
100
50
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

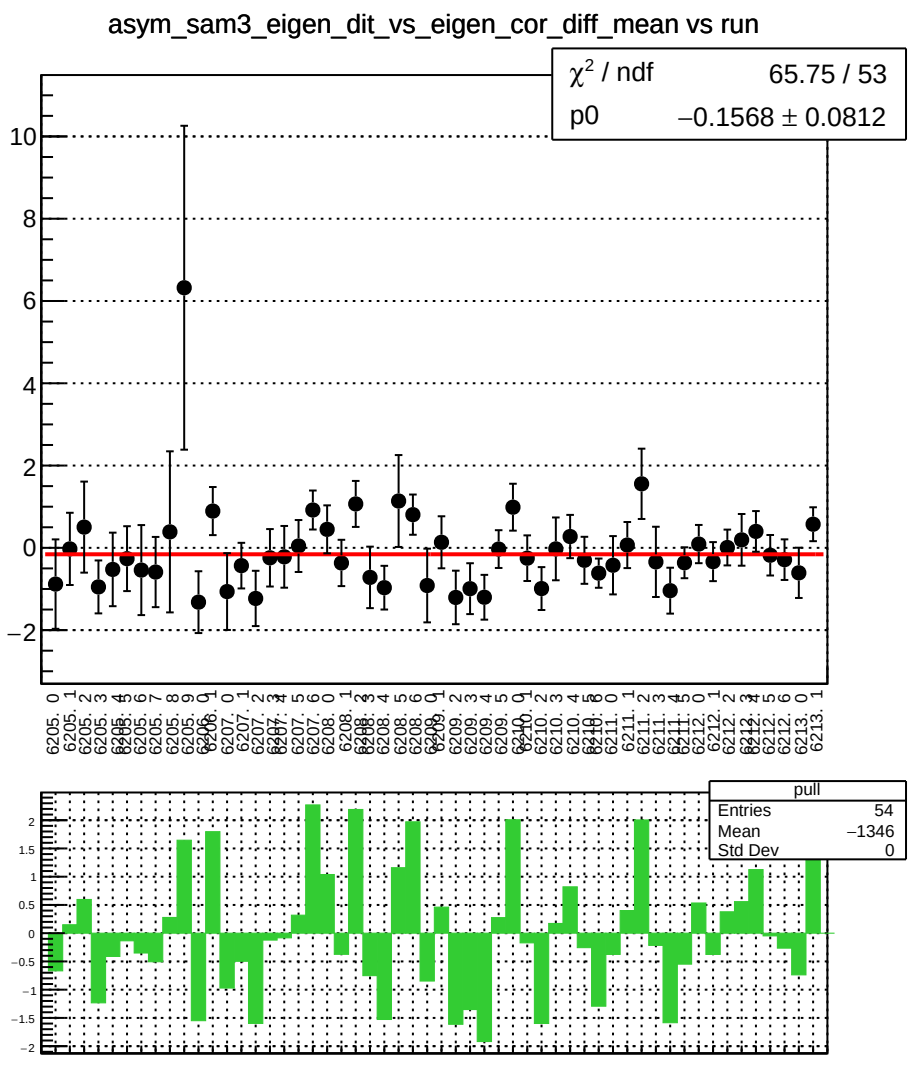

asym_sam3_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 43 / 53
p0 −1.063e−06 ± 1.251e−06
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
pull
Entries 54
Mean 150.8
Std Dev 0
2
1
0
−1
−2

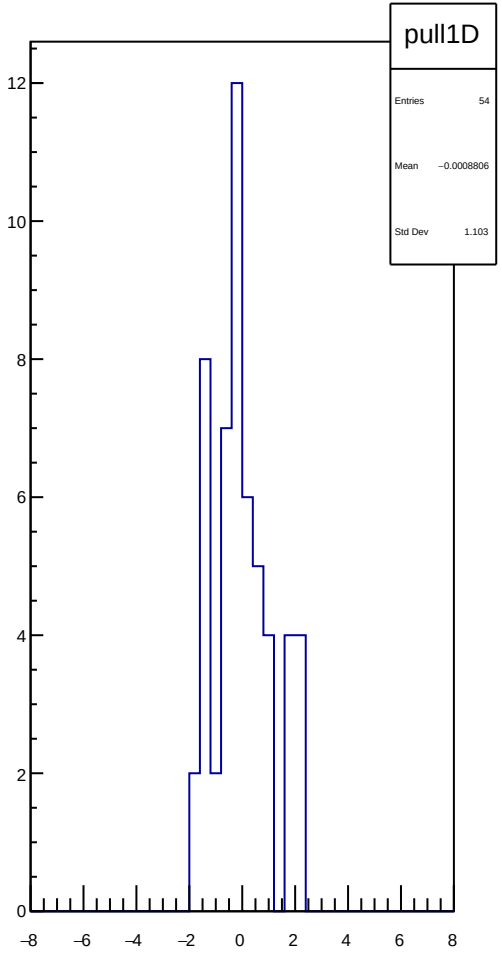

pull1D
Entries 54
Mean −0.005005
Std Dev 0.8924
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

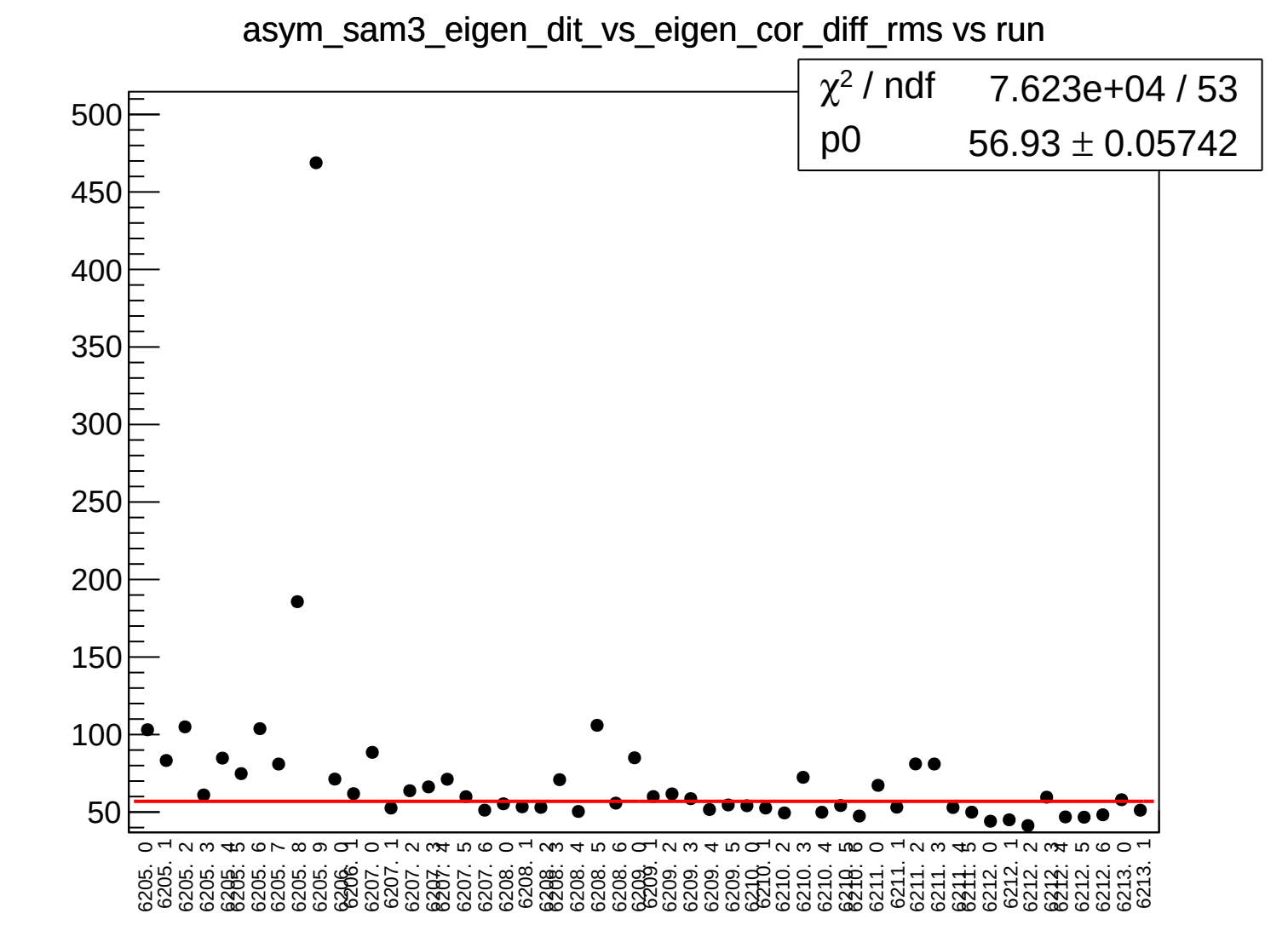

asym_sam3_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4677 / 53
p0 0.0009085 ± 8.846e−07
0.001
0.00095
0.0009
0.00085
0.0008
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

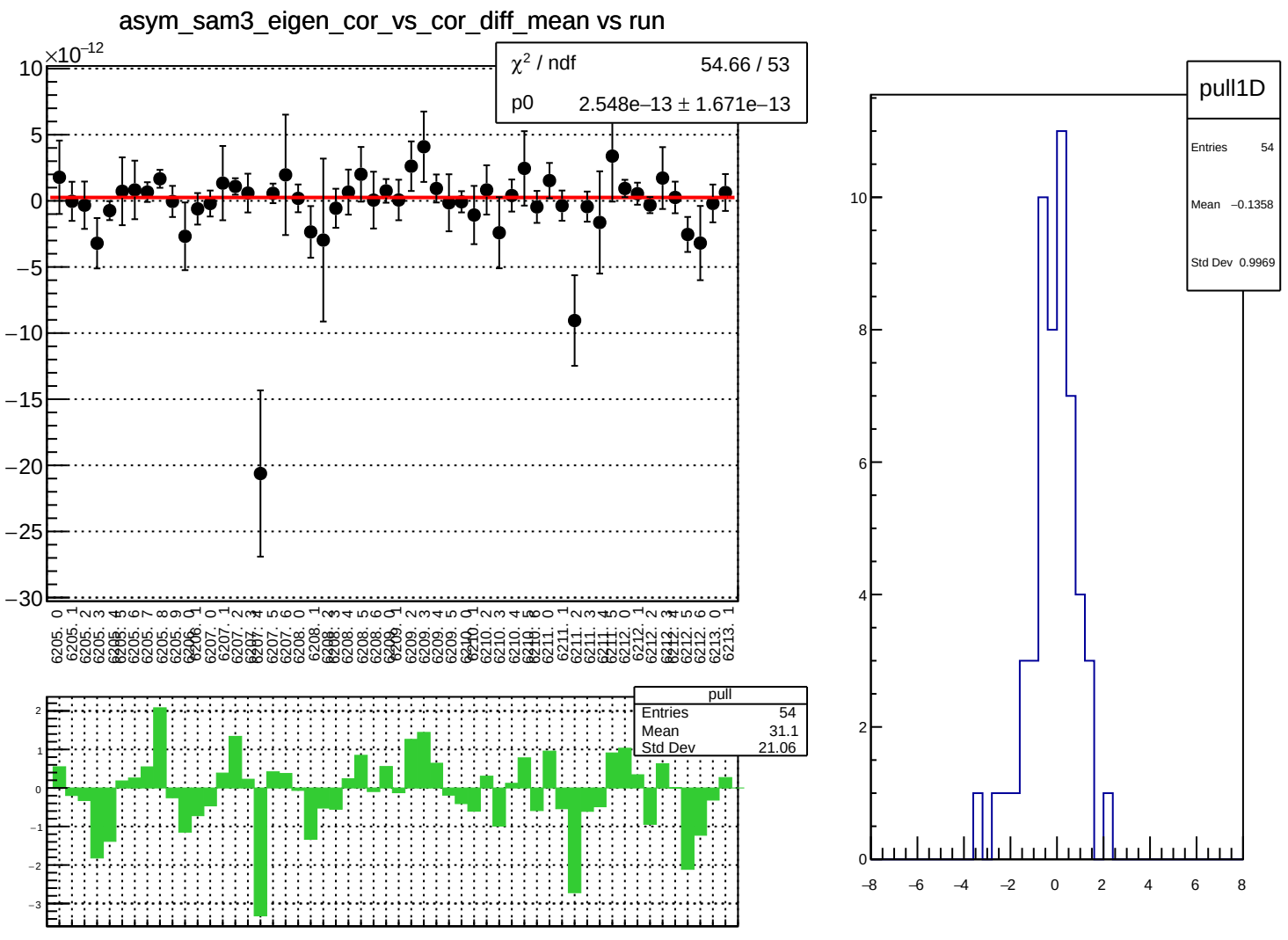

asym_sam3_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 65.75 / 53
p0 −0.1568 ± 0.0812
pull
Entries 54
Mean −1346
Std Dev 0
pull1D
Entries 54
Mean −0.0008806
Std Dev 1.103

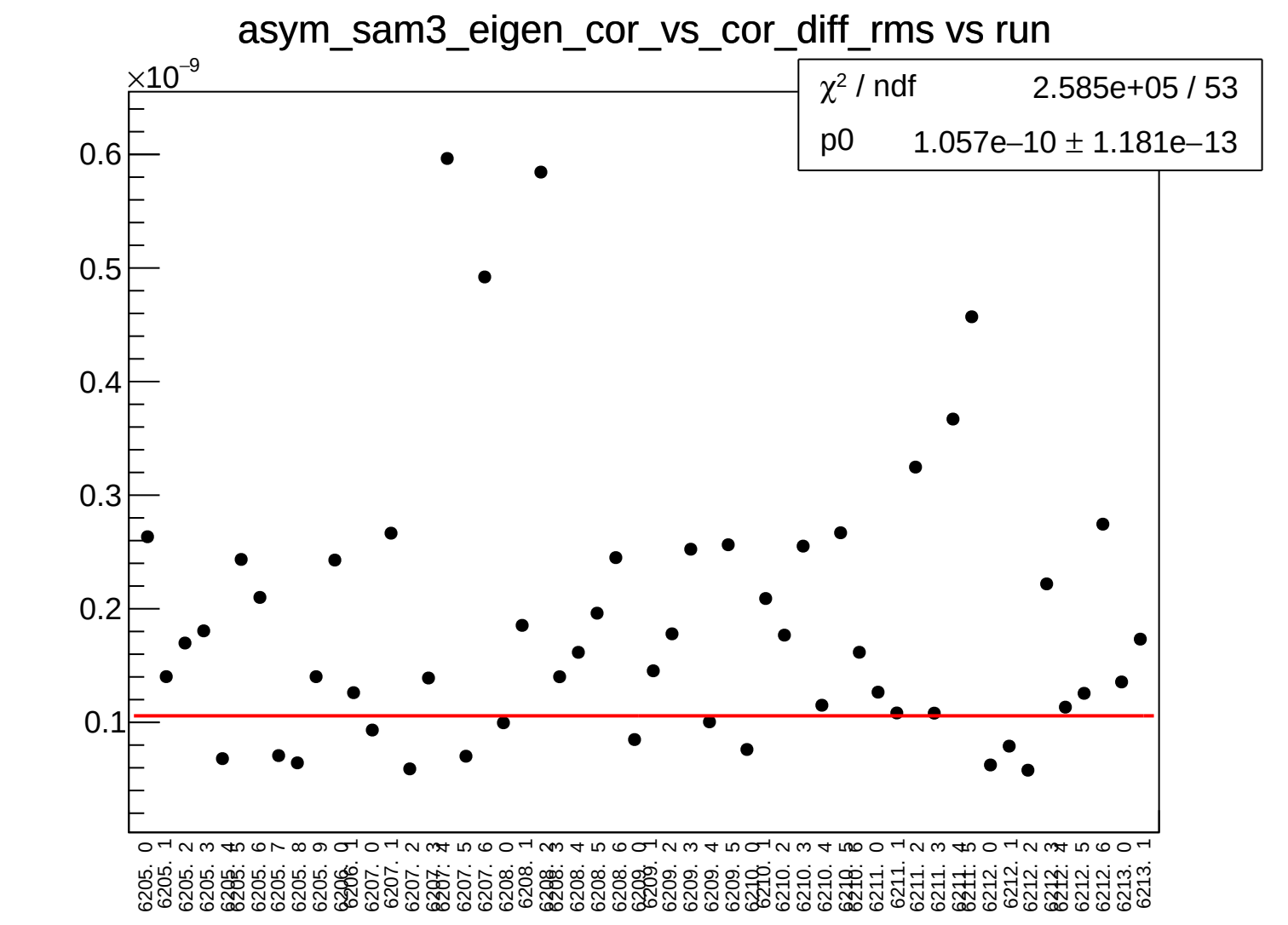

asym_sam3_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 7.623e+04 / 53
p0 56.93 ± 0.05742
500
450
400
350
300
250
200
150
100
50
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

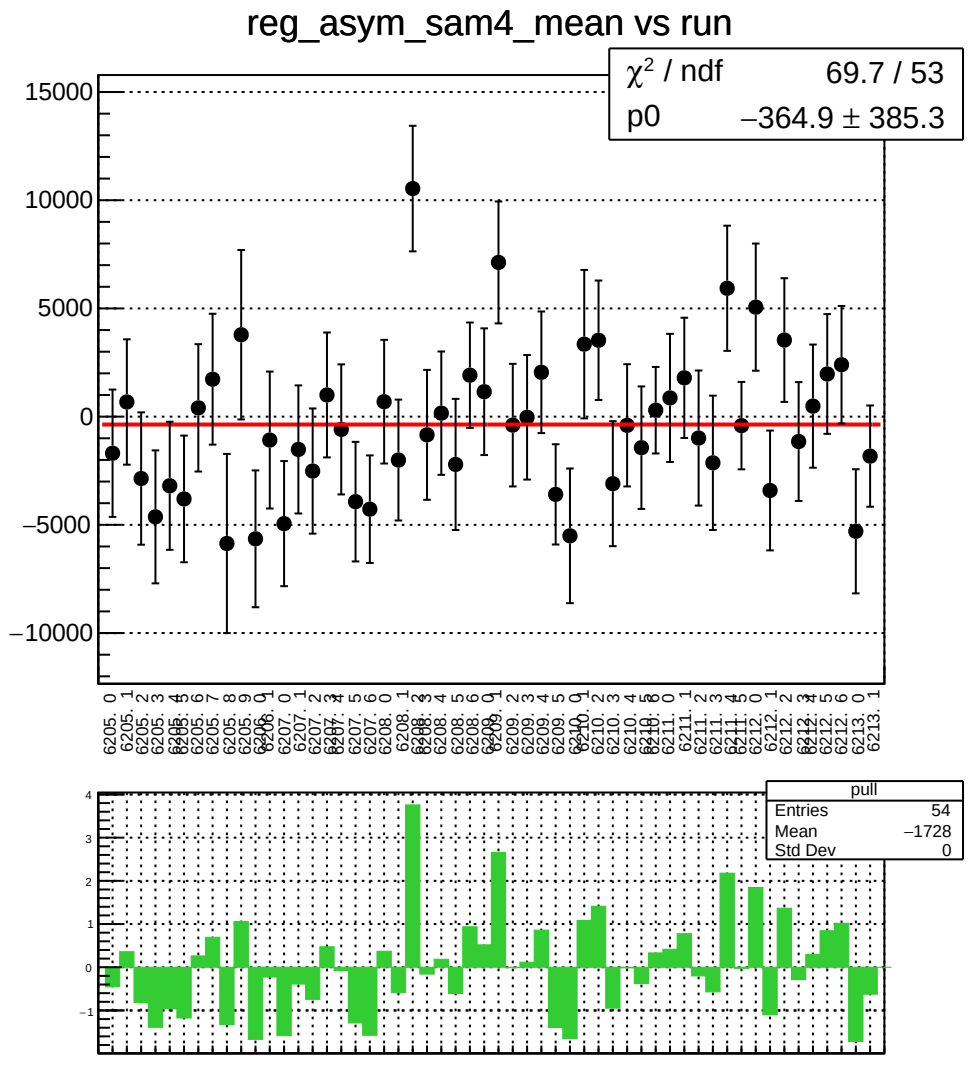

asym_sam3_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 65.75 / 53
p0 −0.1568 ± 0.0812
pull
Entries 54
Mean −1346
Std Dev 0

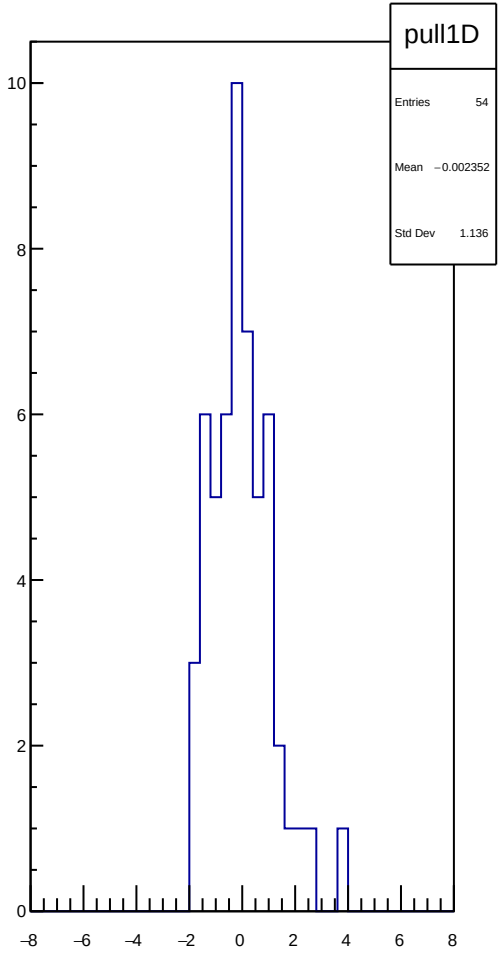

pull1D
Entries 54
Mean −0.0008806
Std Dev 1.103

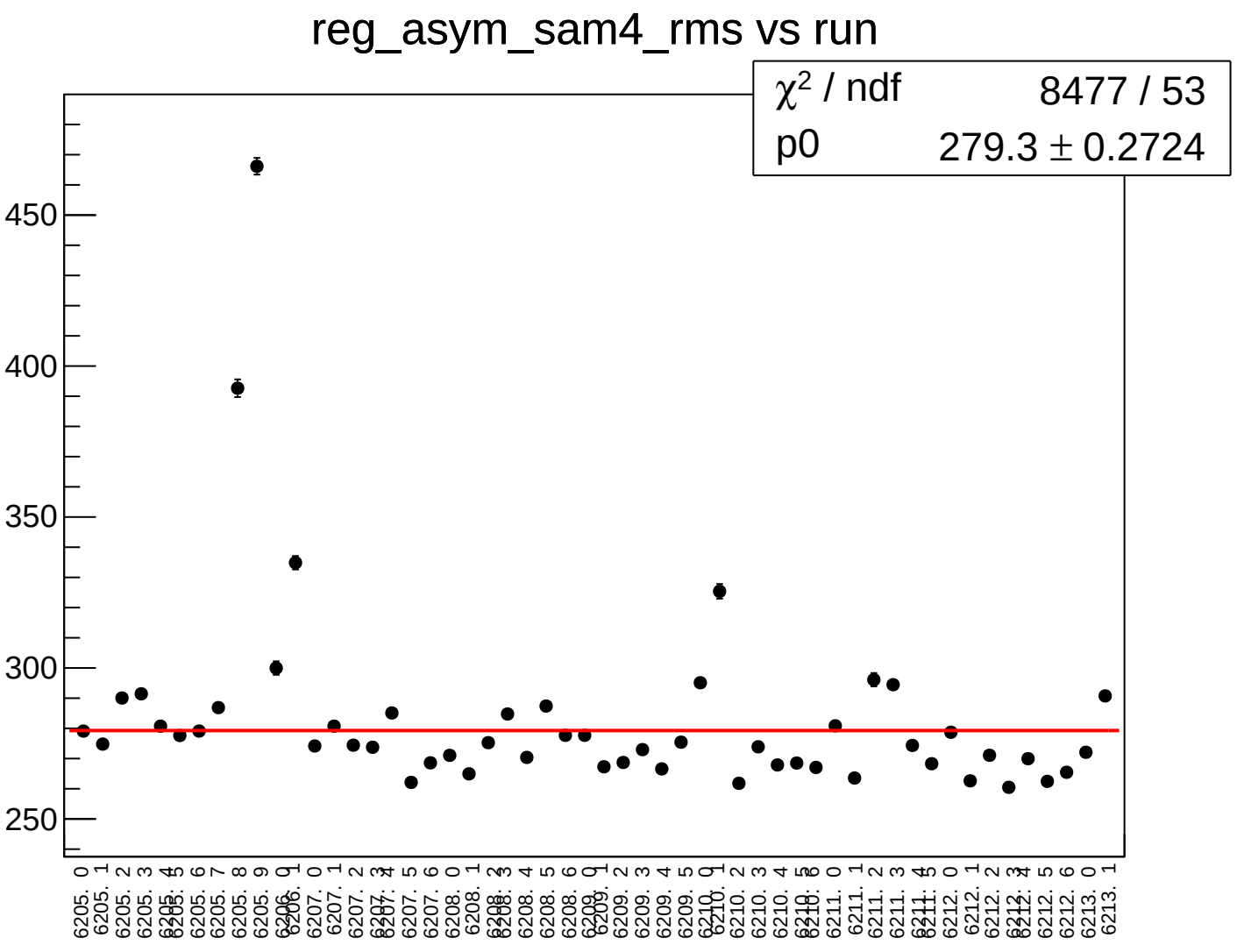

asym_sam3_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.623e+04 / 53
p0 56.93 ± 0.05742
500
450
400
350
300
250
200
150
100
50
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

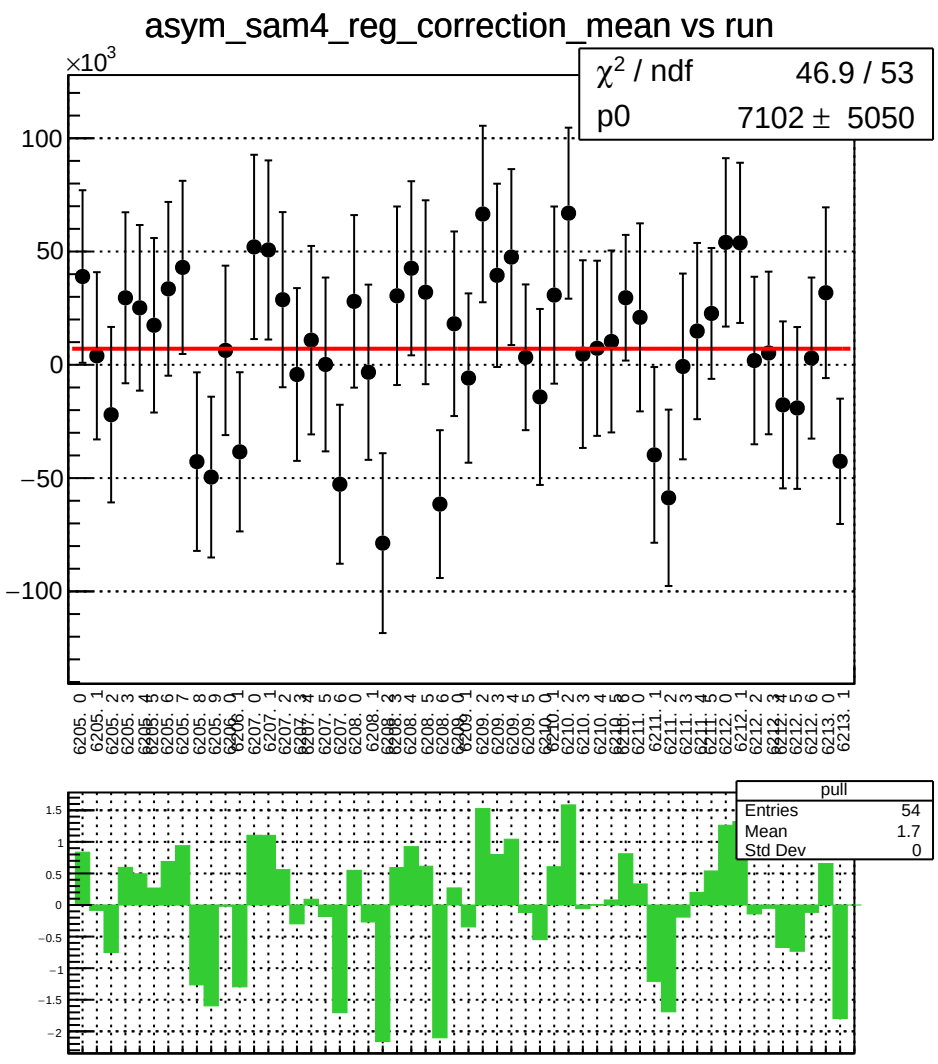

asym_sam3_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 54.66 / 53
p0 2.548e−13 ± 1.671e−13
pull
Entries 54
Mean 31.1
Std Dev 21.06
pull1D
Entries 54
Mean −0.1358
Std Dev 0.9969

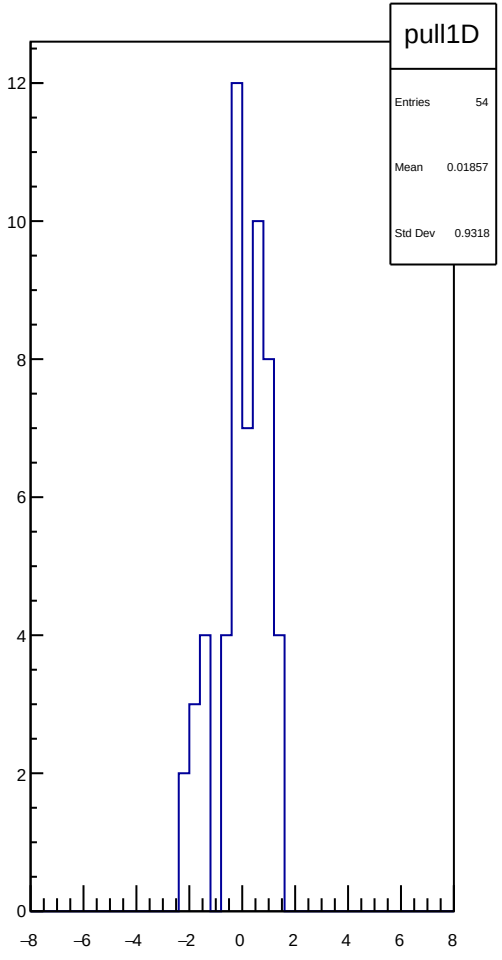

asym_sam3_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.585e+05 / 53
p0 1.057e−10 ± 1.181e−13
0.6
0.5
0.4
0.3
0.2
0.1

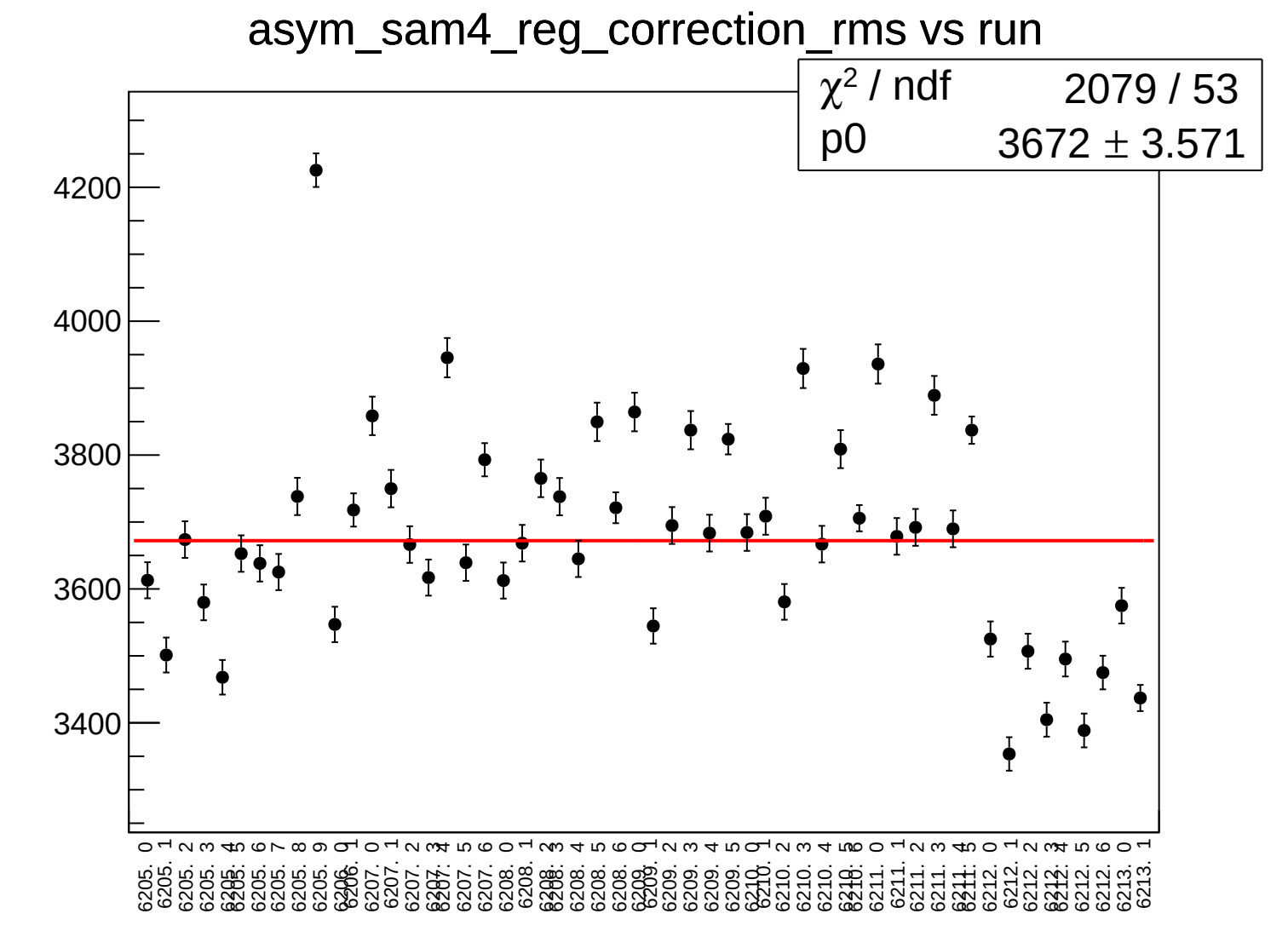

reg_asym_sam4_mean vs run
χ² / ndf 69.7 / 53
p0 −364.9 ± 385.3
15000
10000
5000
0
−5000
−10000
pull
Entries 54
Mean −1728
Std Dev 0
4
3
2
1
0
−1

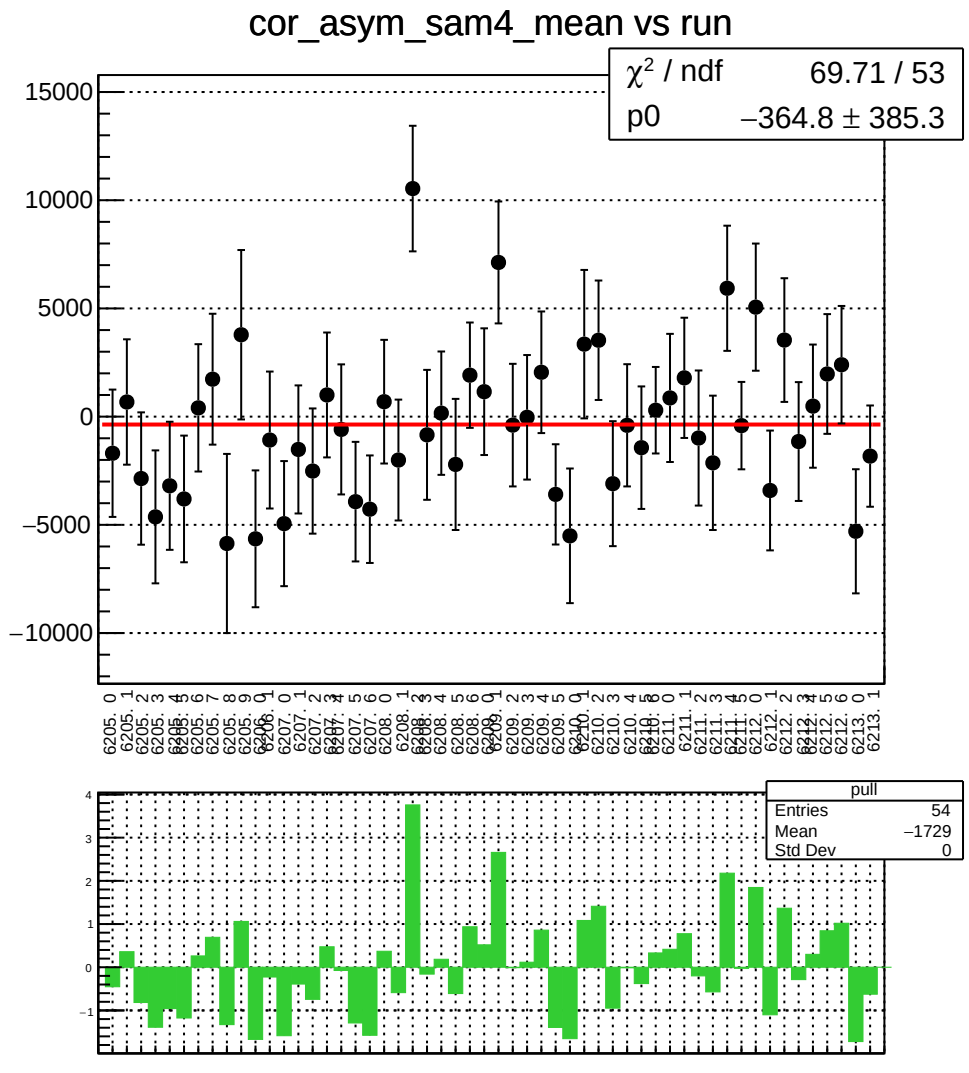

pull1D
Entries 54
Mean −0.002352
Std Dev 1.136
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

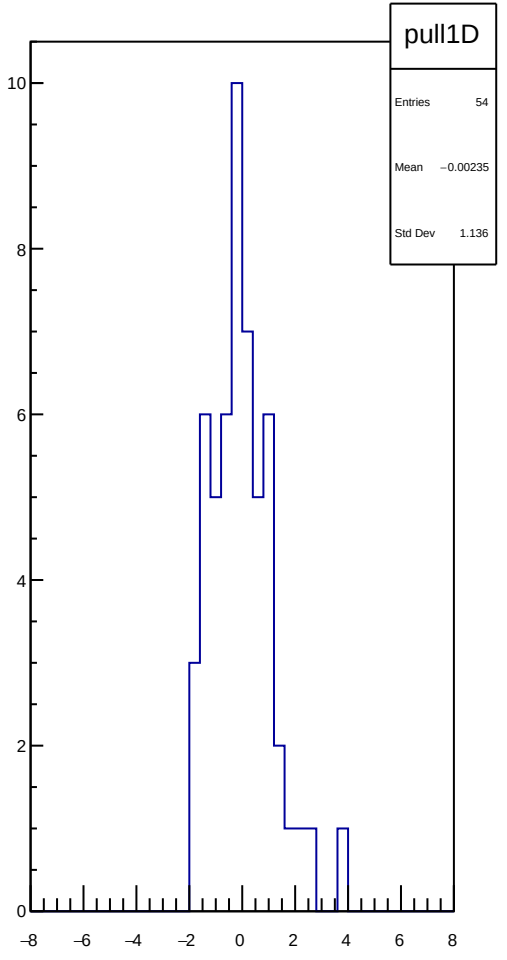

reg_asym_sam4_rms vs run
χ² / ndf 8477 / 53
p0 279.3 ± 0.2724
450
400
350
300
250
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6208. 7
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

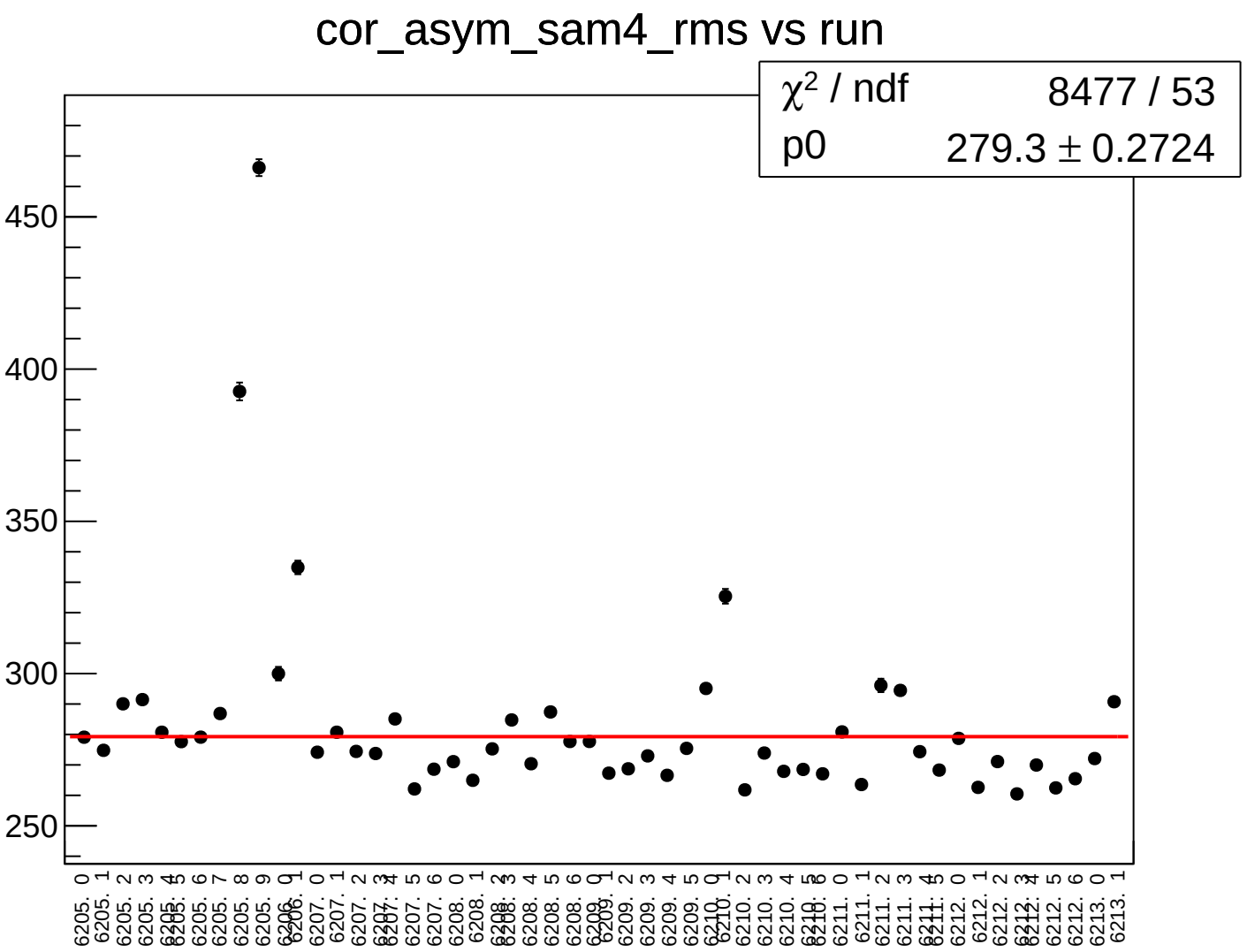

asym_sam4_reg_correction_mean vs run
×10^3
χ² / ndf 46.9 / 53
p0 7102 ± 5050
100
50
0
−50
−100
pull
Entries 54
Mean 1.7
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

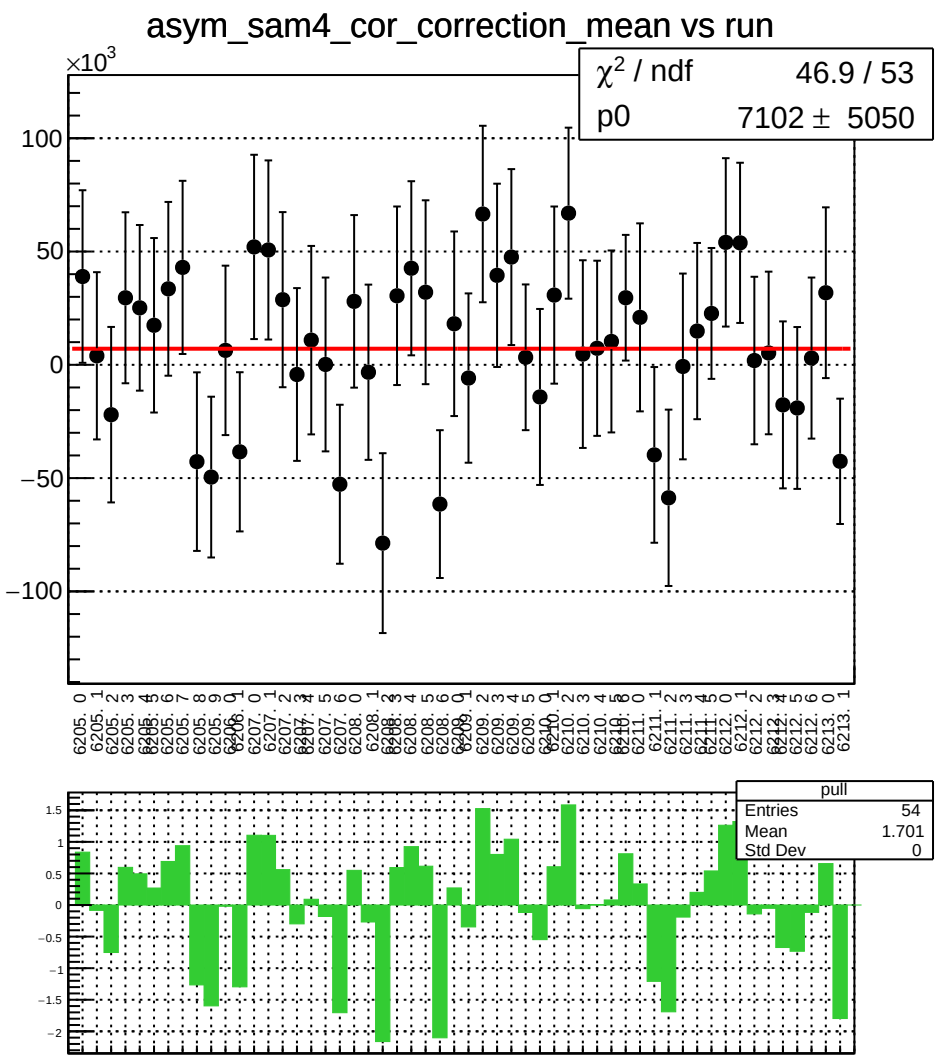

pull1D
Entries 54
Mean 0.01857
Std Dev 0.9318
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

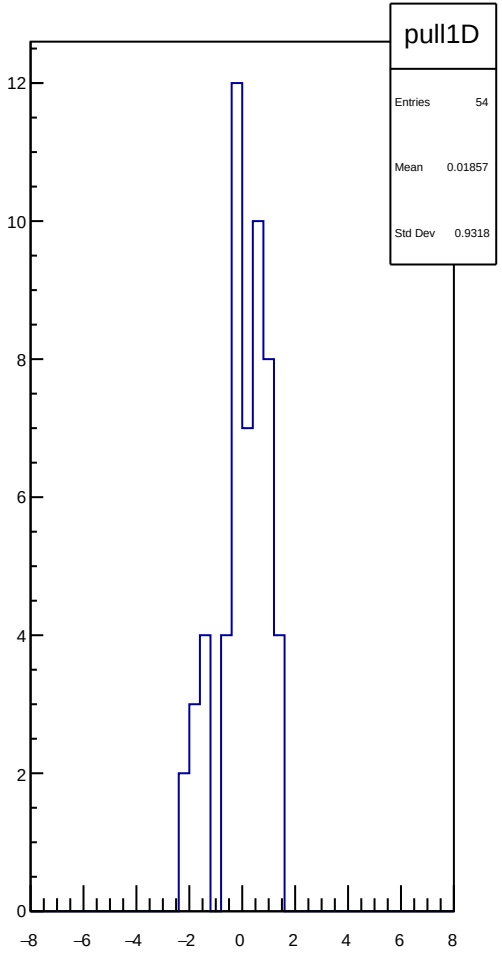

asym_sam4_reg_correction_rms vs run
χ² / ndf 2079 / 53
p0 3672 ± 3.571
4200
4000
3800
3600
3400
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

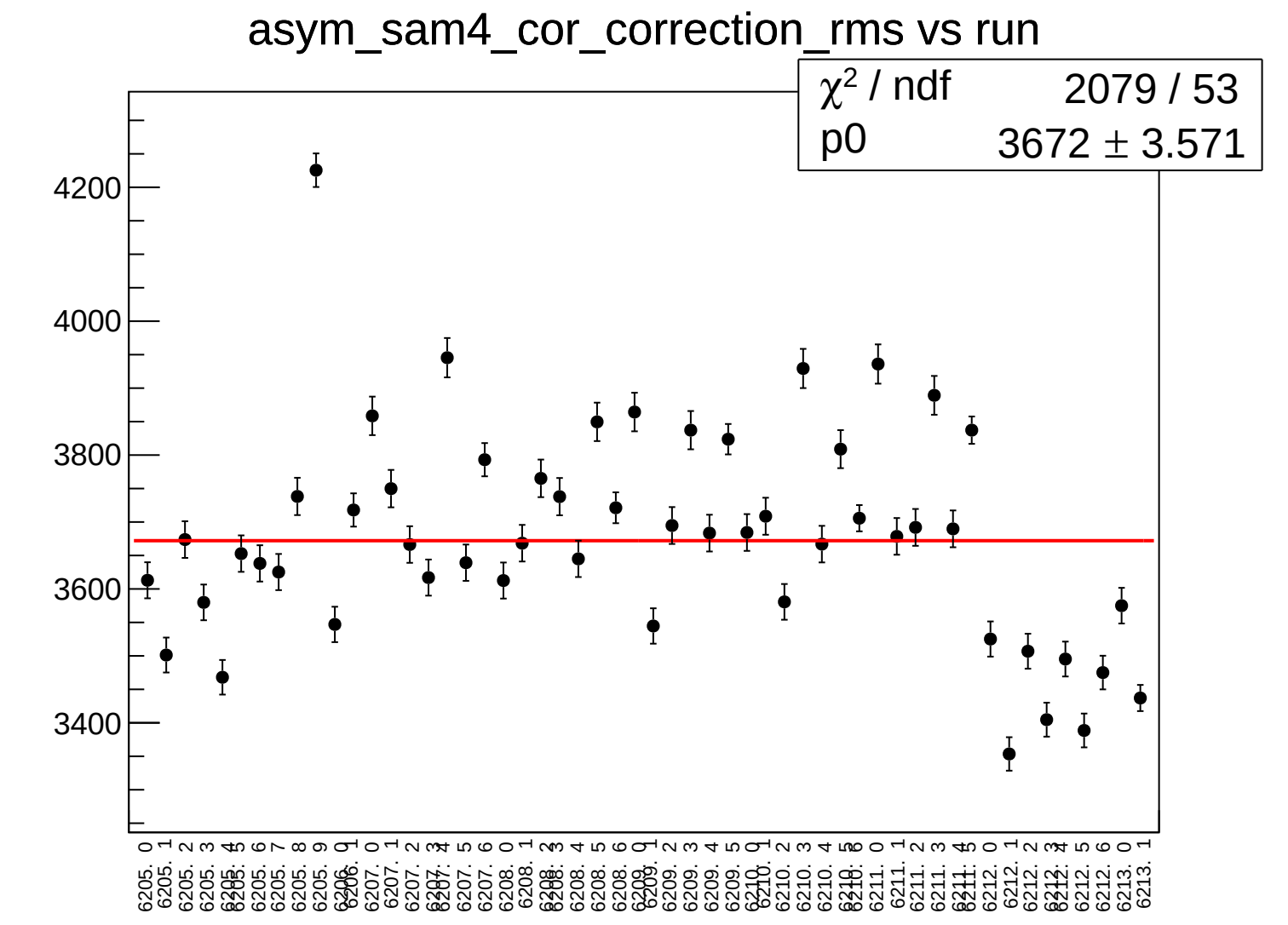

cor_asym_sam4_mean vs run
χ² / ndf 69.71 / 53
p0 −364.8 ± 385.3
15000
10000
5000
0
−5000
−10000
pull
Entries 54
Mean −1729
Std Dev 0
4
3
2
1
0
−1

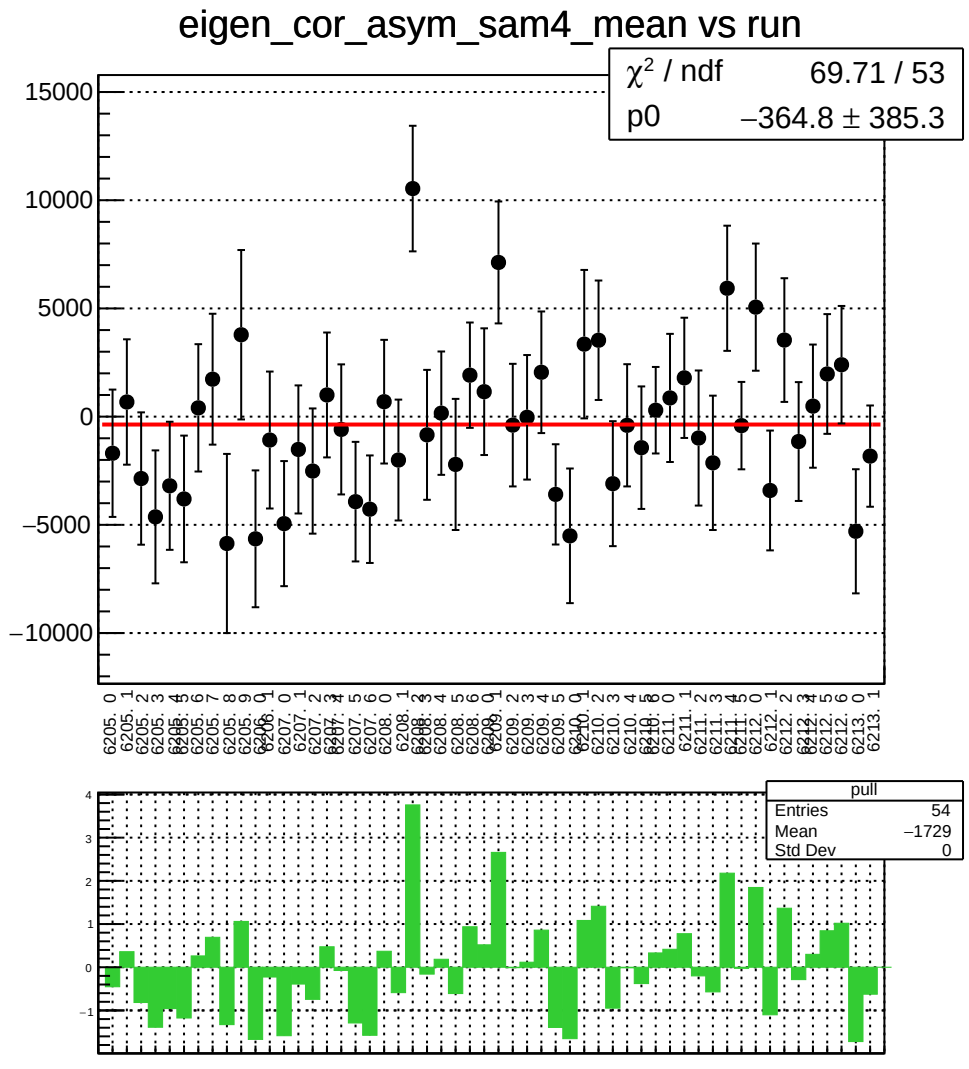

pull1D
Entries 54
Mean −0.00235
Std Dev 1.136
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

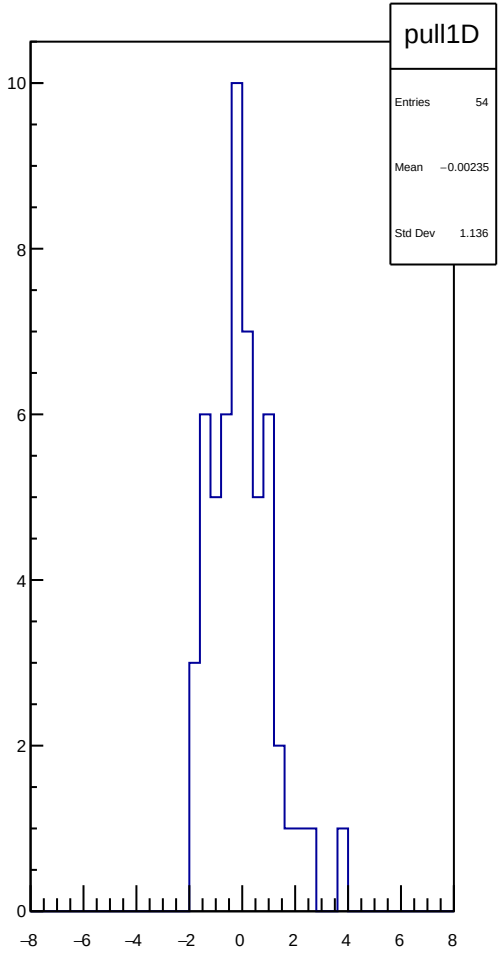

cor_asym_sam4_rms vs run
χ² / ndf 8477 / 53
p0 279.3 ± 0.2724
450
400
350
300
250
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

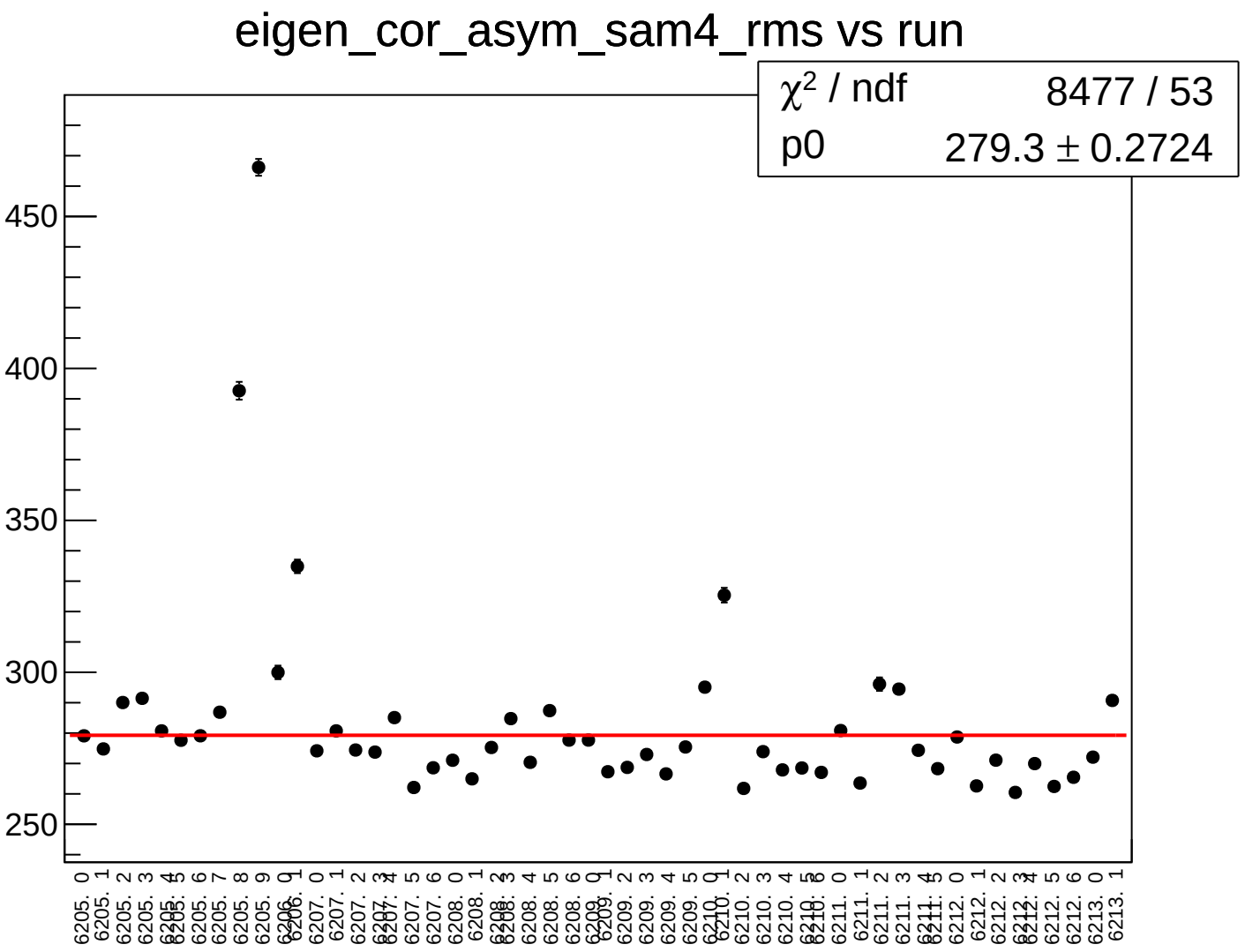

asym_sam4_cor_correction_mean vs run
×10^3
χ² / ndf 46.9 / 53
p0 7102 ± 5050
100
50
0
−50
−100
pull
Entries 54
Mean 1.701
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

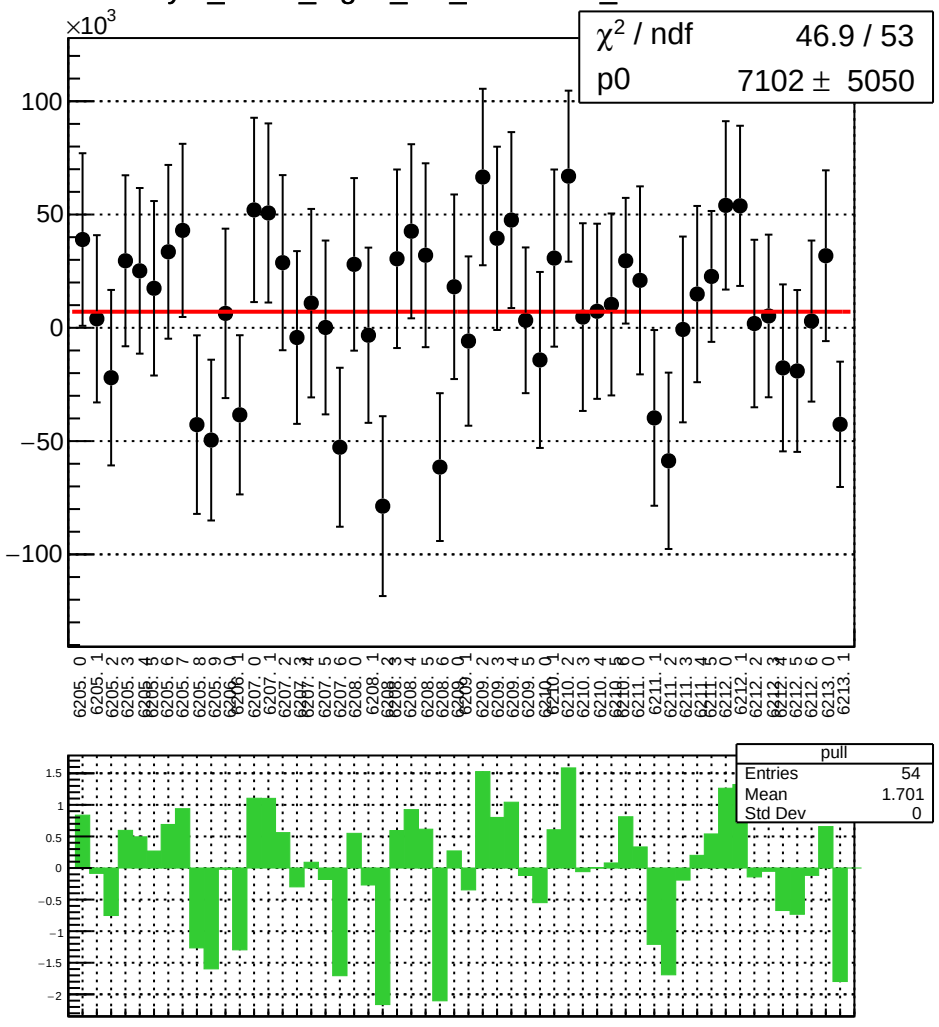

pull1D
Entries 54
Mean 0.01857
Std Dev 0.9318
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

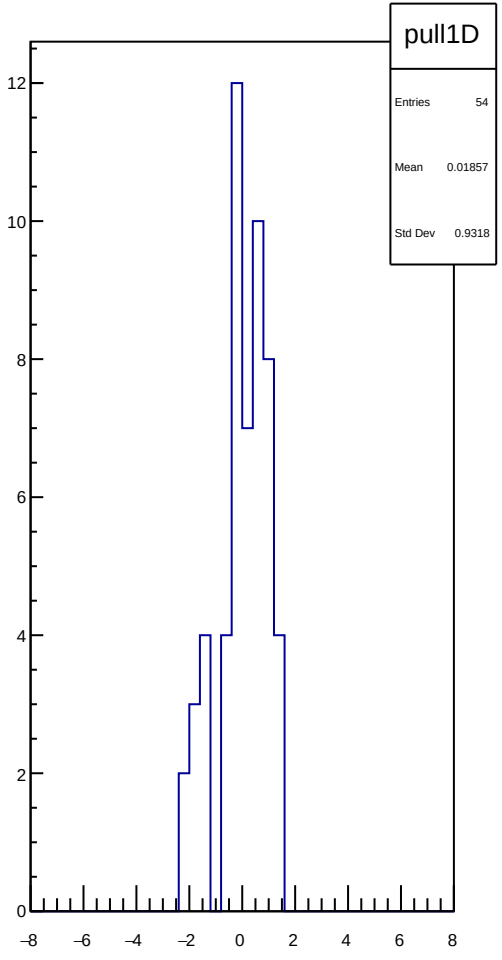

asym_sam4_cor_correction_rms vs run
χ² / ndf 2079 / 53
p0 3672 ± 3.571
4200
4000
3800
3600
3400
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

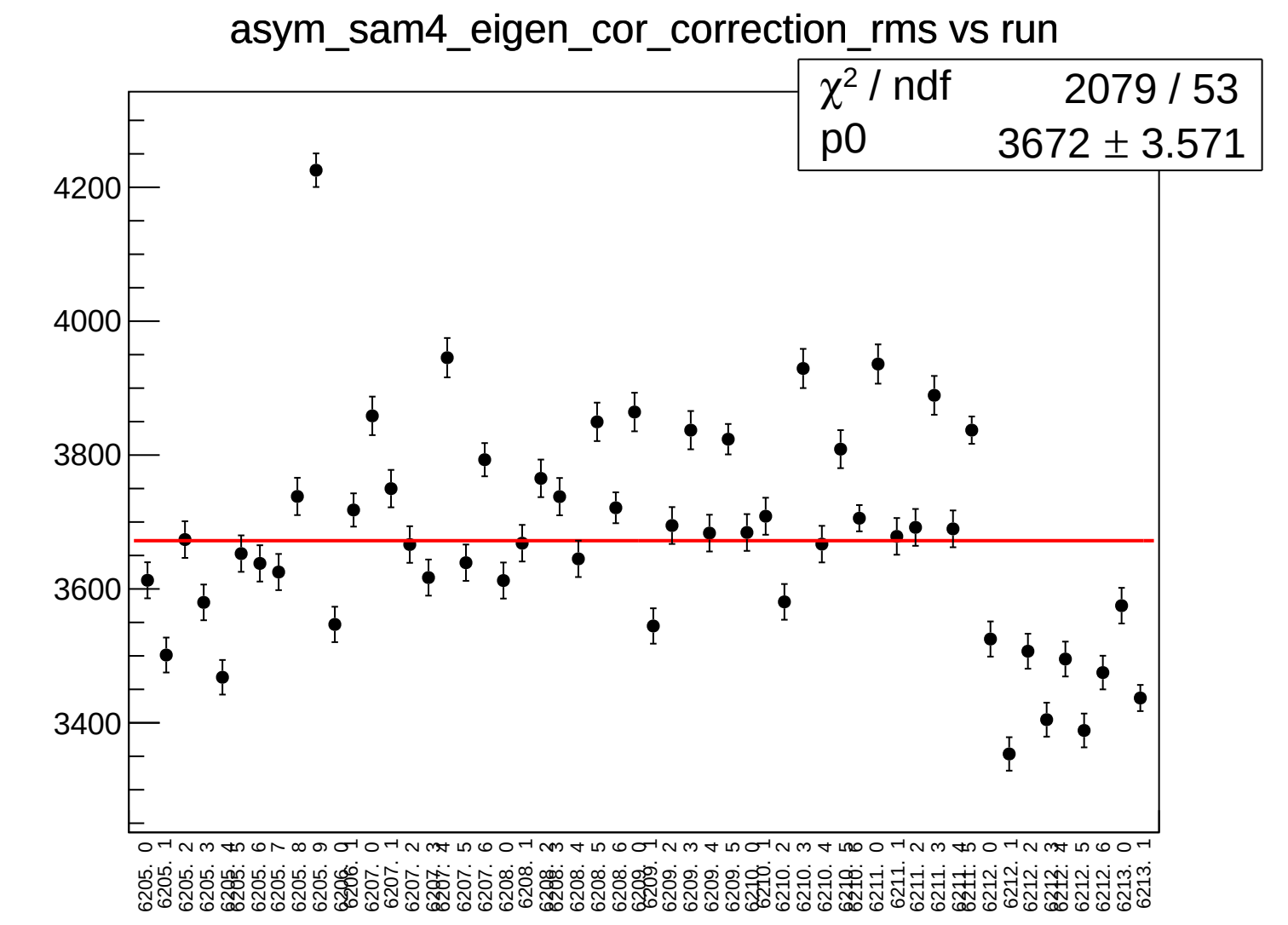

eigen_cor_asym_sam4_mean vs run
χ² / ndf 69.71 / 53
p0 −364.8 ± 385.3
15000
10000
5000
0
−5000
−10000
pull
Entries 54
Mean −1729
Std Dev 0
4
3
2
1
0
−1

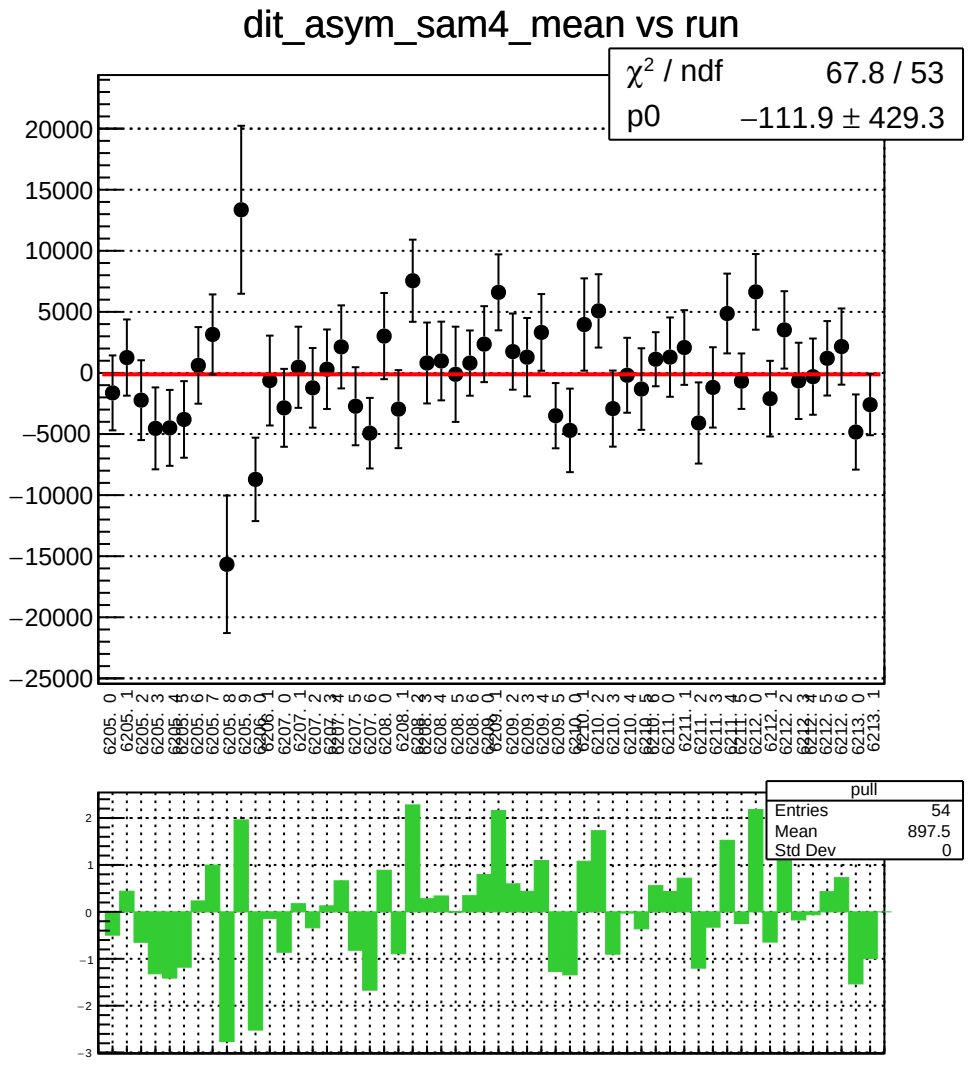

pull1D
Entries 54
Mean −0.00235
Std Dev 1.136
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

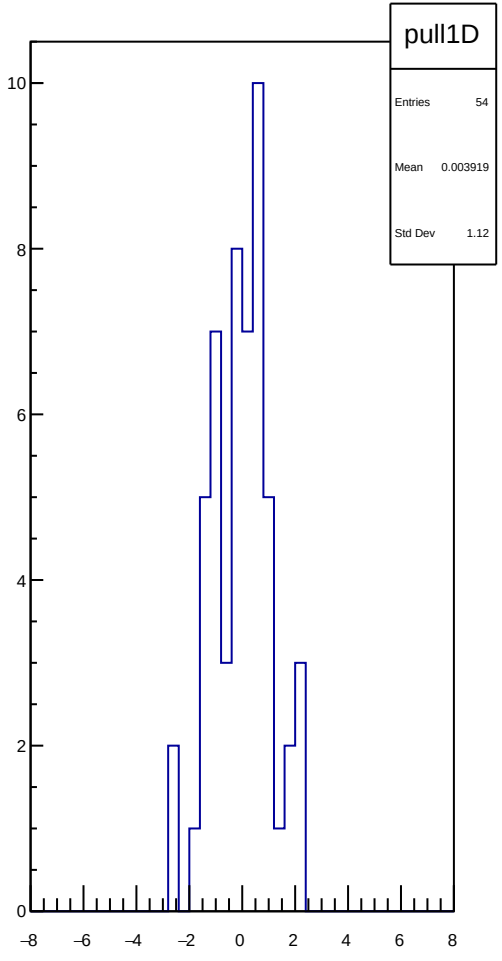

eigen_cor_asym_sam4_rms vs run
χ² / ndf 8477 / 53
p0 279.3 ± 0.2724
450
400
350
300
250
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

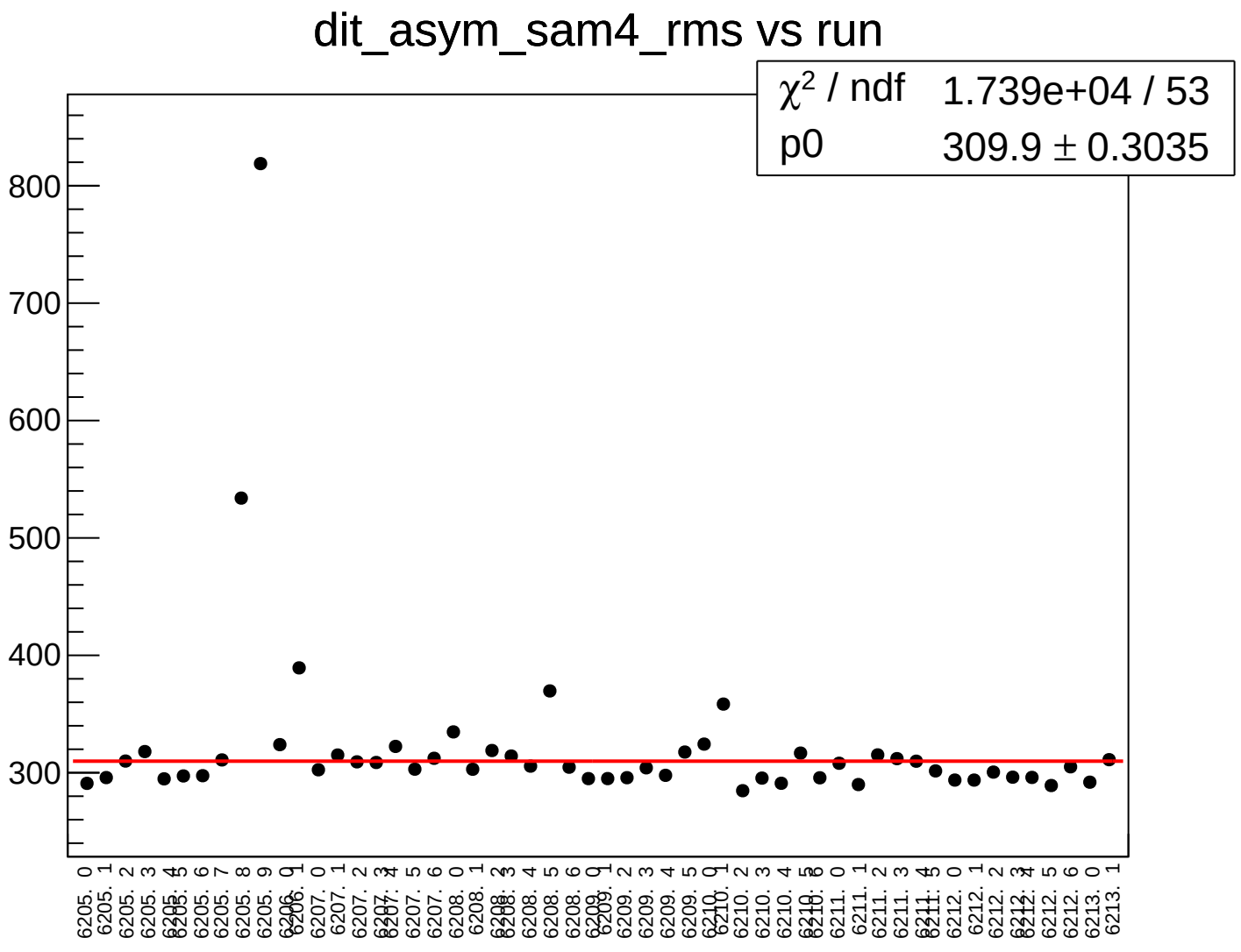

asym_sam4_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 46.9 / 53
p0 7102 ± 5050
100
50
0
−50
−100
pull
Entries 54
Mean 1.701
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

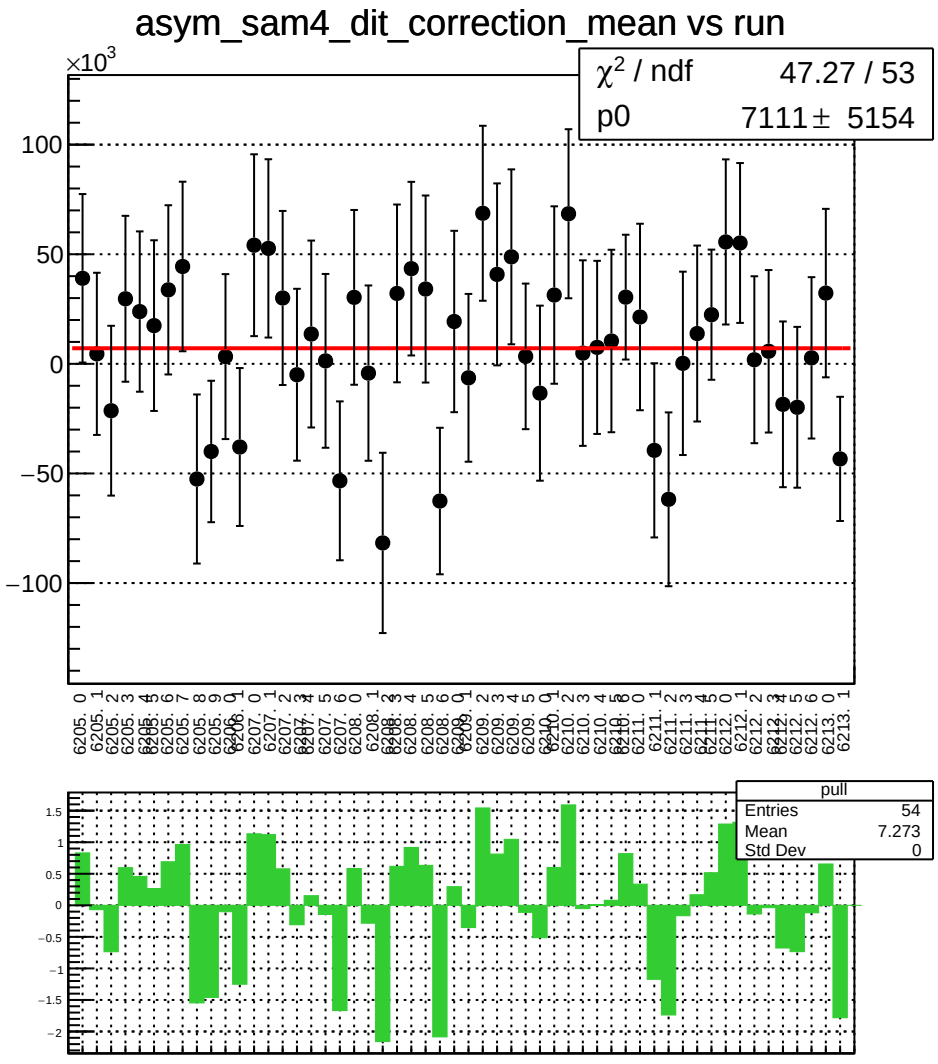

pull1D
Entries 54
Mean 0.01857
Std Dev 0.9318
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

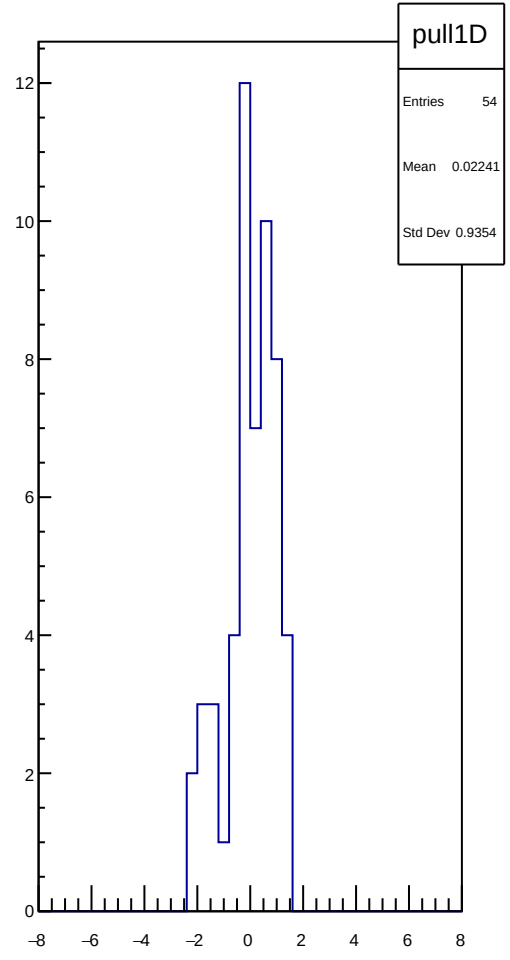

asym_sam4_eigen_cor_correction_rms vs run
χ² / ndf 2079 / 53
p0 3672 ± 3.571
4200
4000
3800
3600
3400
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

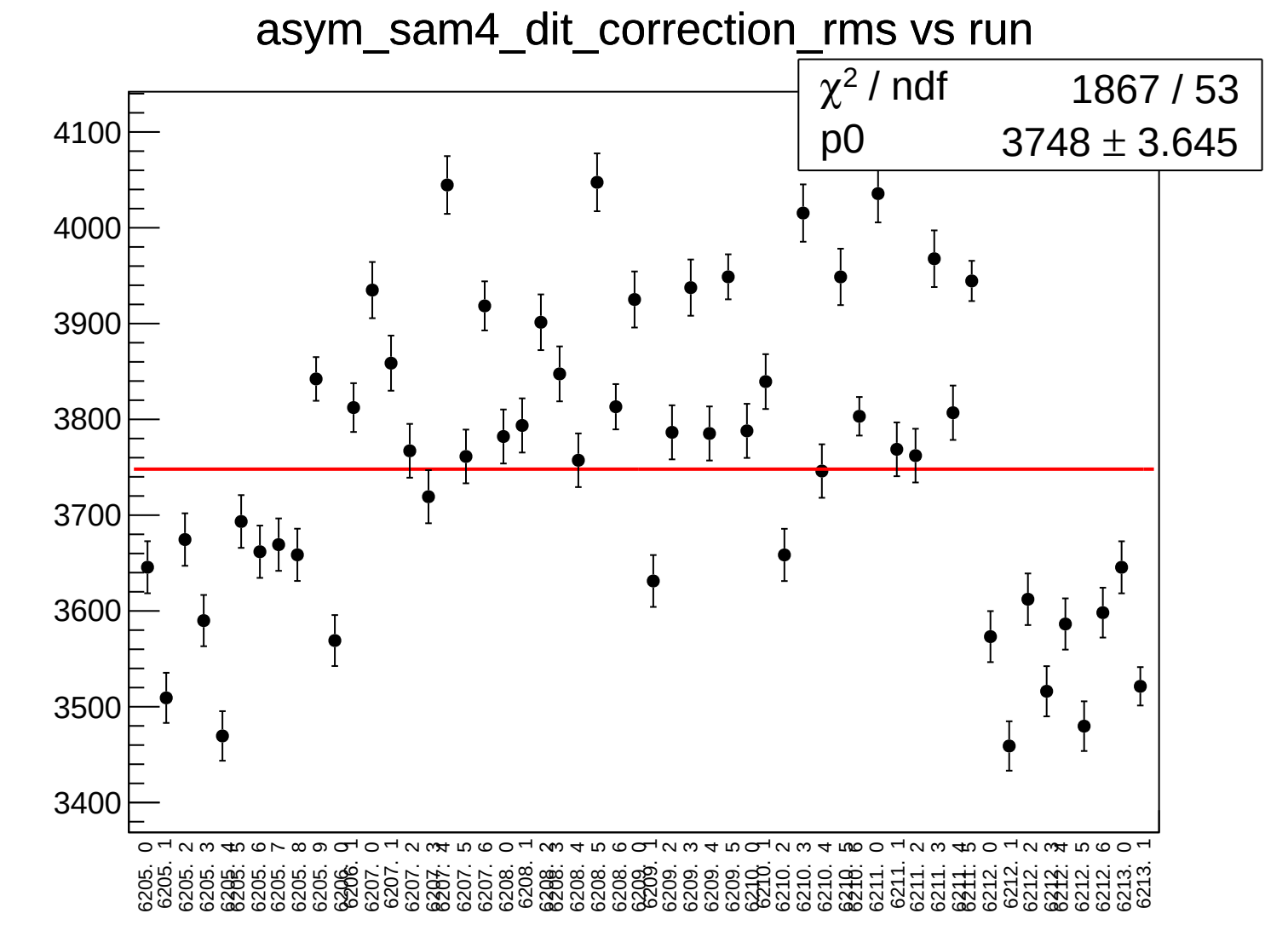

dit_asym_sam4_mean vs run
χ² / ndf 67.8 / 53
p0 −111.9 ± 429.3
pull
Entries 54
Mean 897.5
Std Dev 0

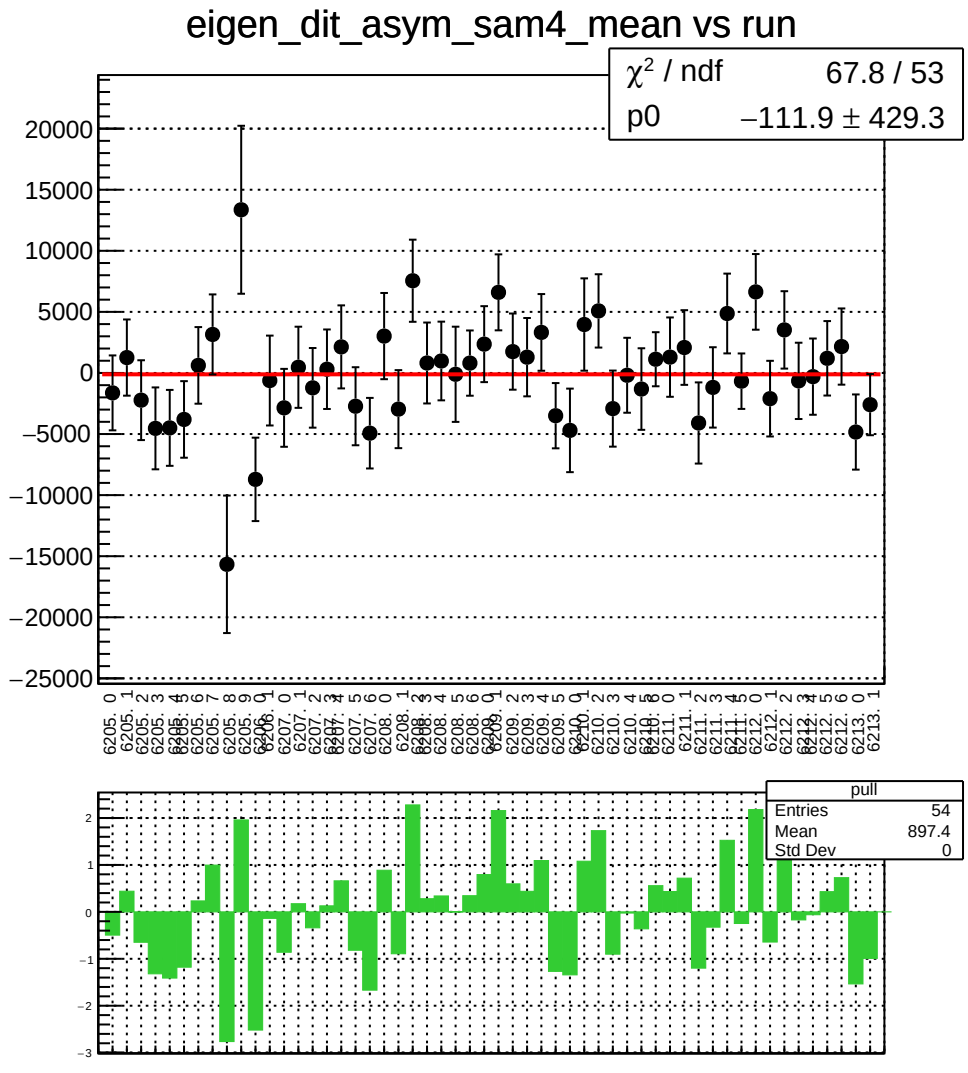

pull1D
Entries 54
Mean 0.003919
Std Dev 1.12

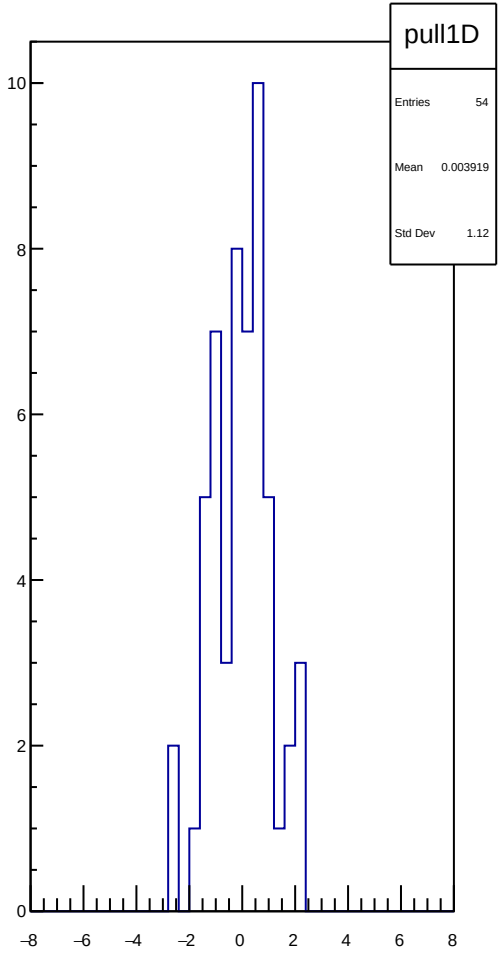

dit_asym_sam4_rms vs run
χ² / ndf 1.739e+04 / 53
p0 309.9 ± 0.3035
800
700
600
500
400
300
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

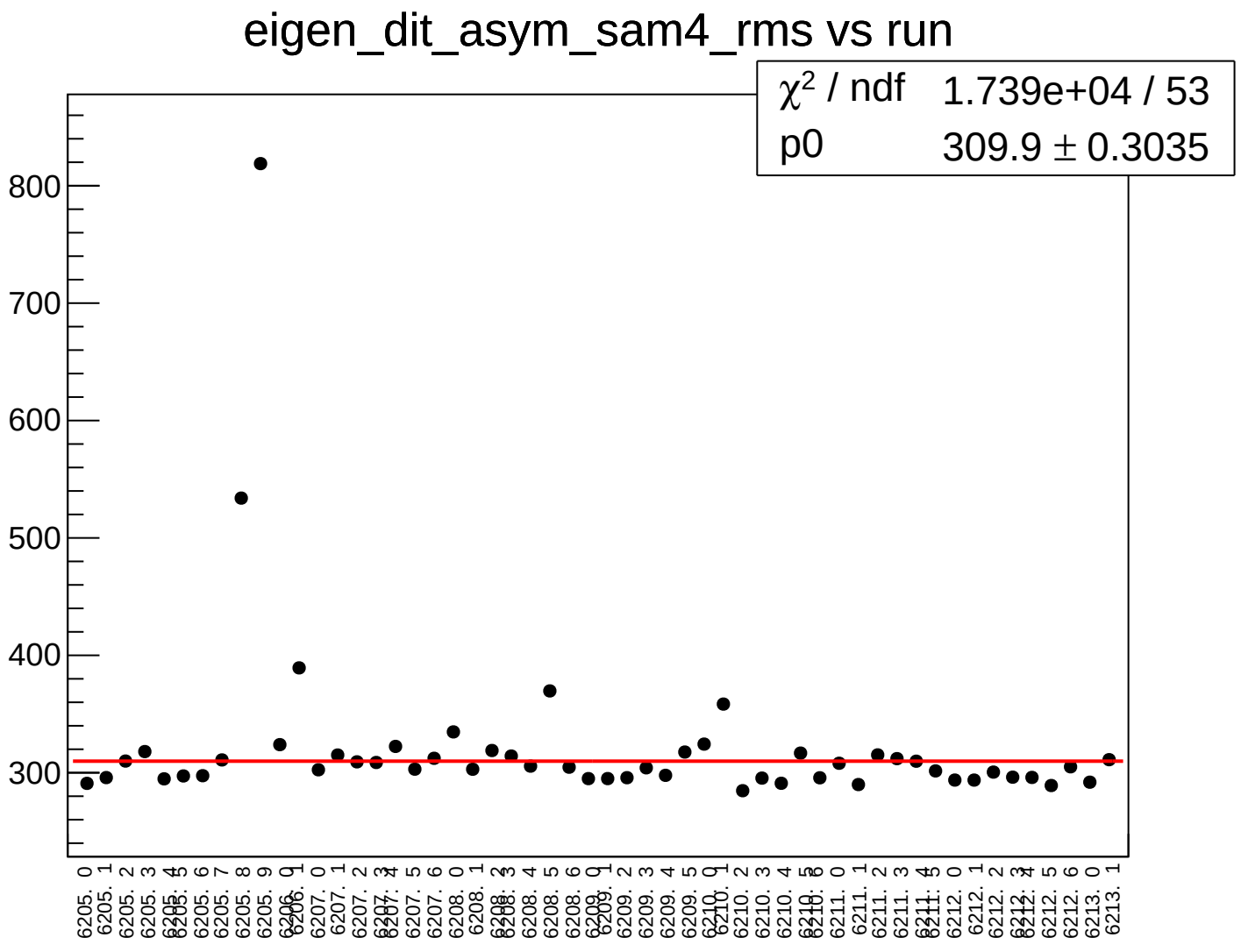

asym_sam4_dit_correction_mean vs run
×10^3
χ² / ndf 47.27 / 53
p0 7111 ± 5154
100
50
0
−50
−100
pull
Entries 54
Mean 7.273
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

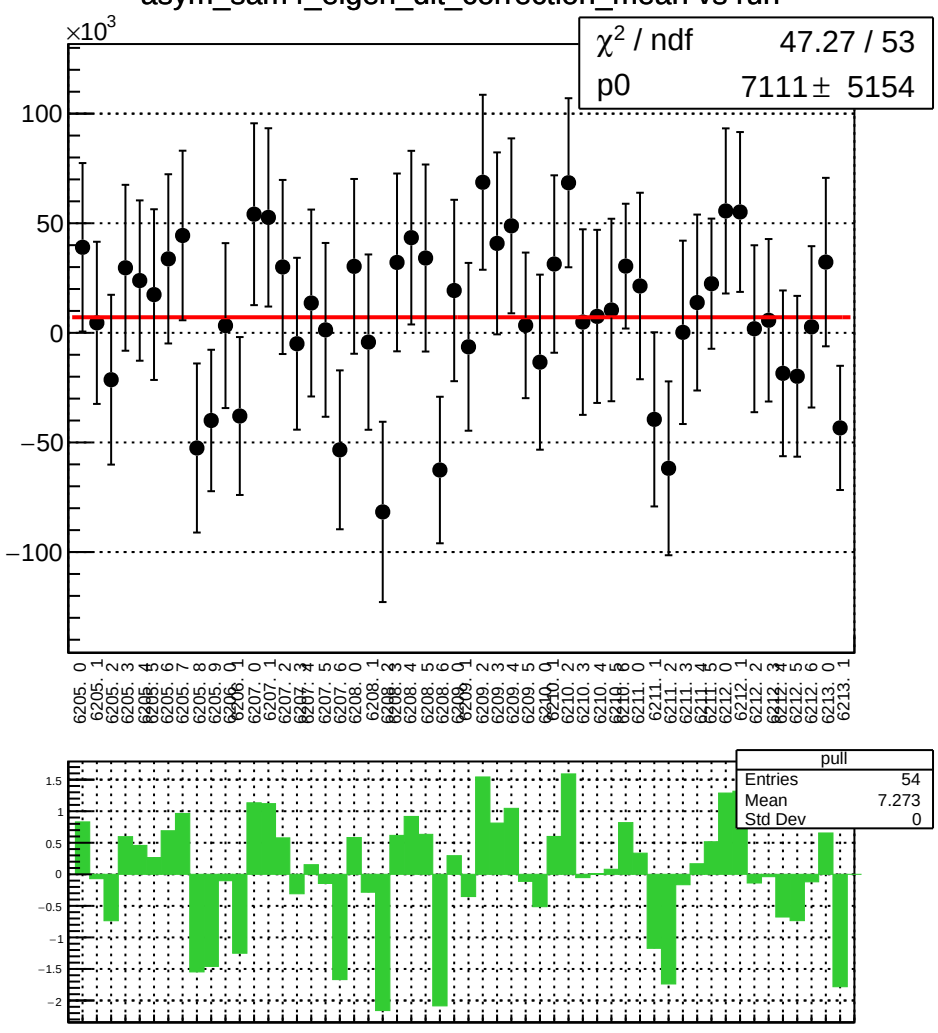

pull1D
Entries 54
Mean 0.02241
Std Dev 0.9354
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

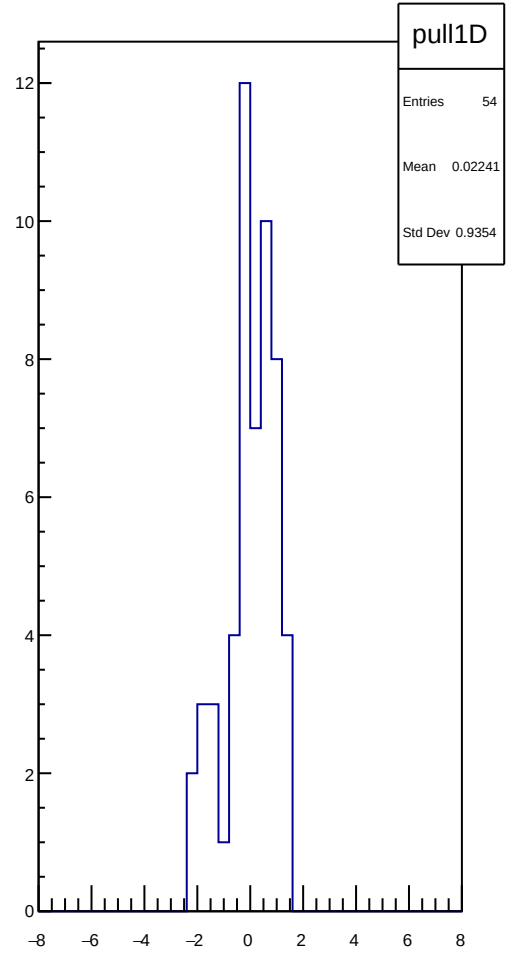

asym_sam4_dit_correction_rms vs run
χ² / ndf 1867 / 53
p0 3748 ± 3.645
4100
4000
3900
3800
3700
3600
3500
3400
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

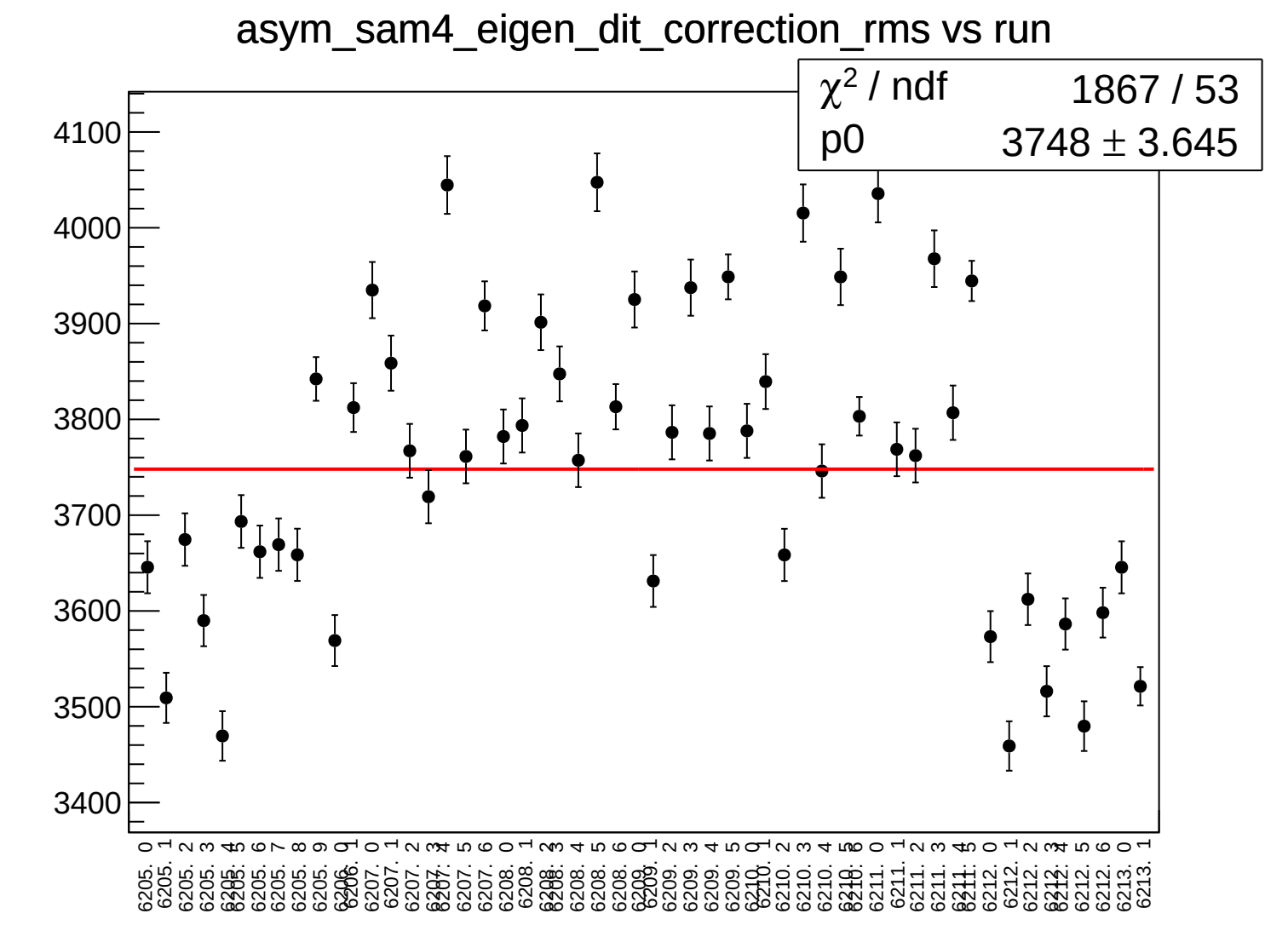

eigen_dit_asym_sam4_mean vs run
χ² / ndf 67.8 / 53
p0 −111.9 ± 429.3
pull
Entries 54
Mean 897.4
Std Dev 0


pull1D
Entries 54
Mean 0.003919
Std Dev 1.12


eigen_dit_asym_sam4_rms vs run
χ² / ndf 1.739e+04 / 53
p0 309.9 ± 0.3035
800
700
600
500
400
300
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_sam4_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 47.27 / 53
p0 7111 ± 5154
100
50
0
−50
−100
pull
Entries 54
Mean 7.273
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 54
Mean 0.02241
Std Dev 0.9354
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam4_eigen_dit_correction_rms vs run
χ² / ndf 1867 / 53
p0 3748 ± 3.645
4100
4000
3900
3800
3700
3600
3500
3400
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
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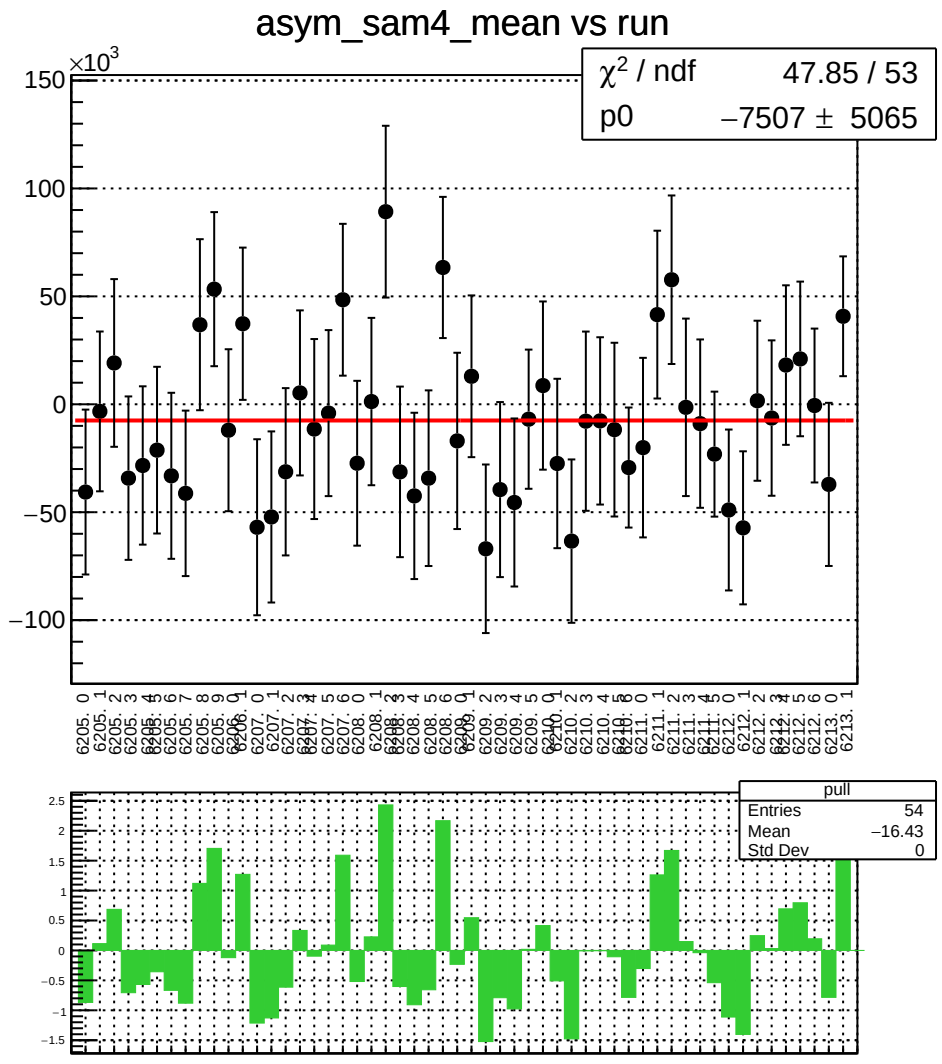
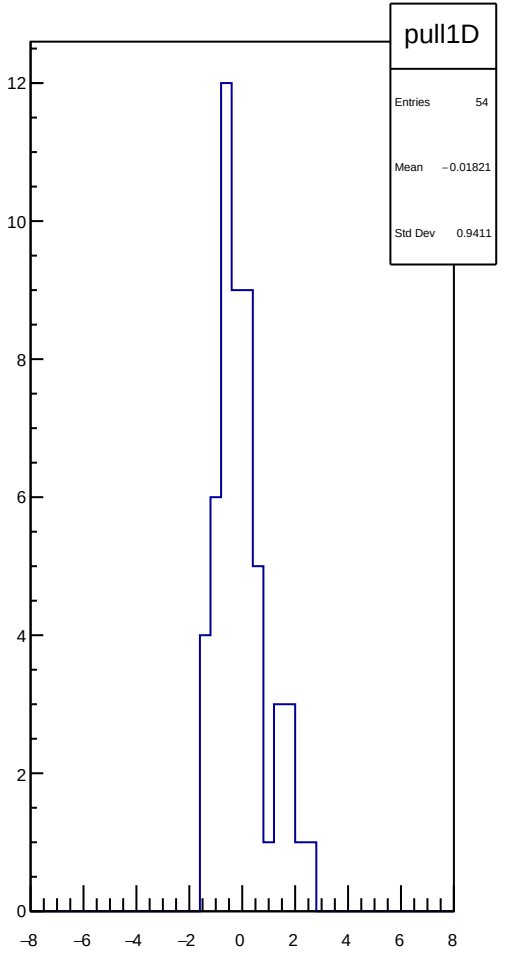
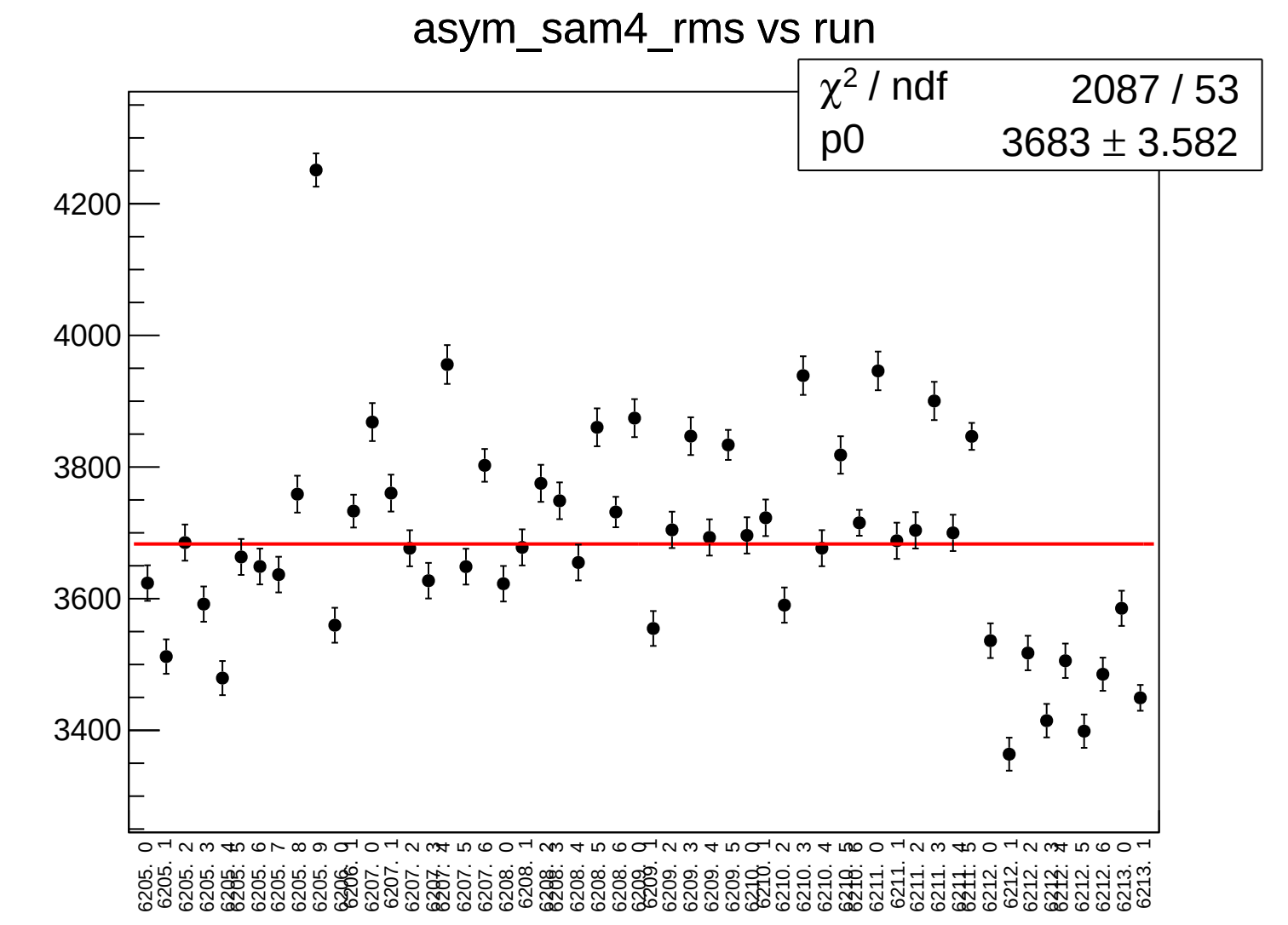
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_sam4_mean vs run
×10^3
χ² / ndf 47.85 / 53
p0 −7507 ± 5065
150
100
50
0
−50
−100
pull
Entries 54
Mean −16.43
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 54
Mean −0.01821
Std Dev 0.9411
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam4_rms vs run
χ² / ndf 2087 / 53
p0 3683 ± 3.582
4200
4000
3800
3600
3400
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
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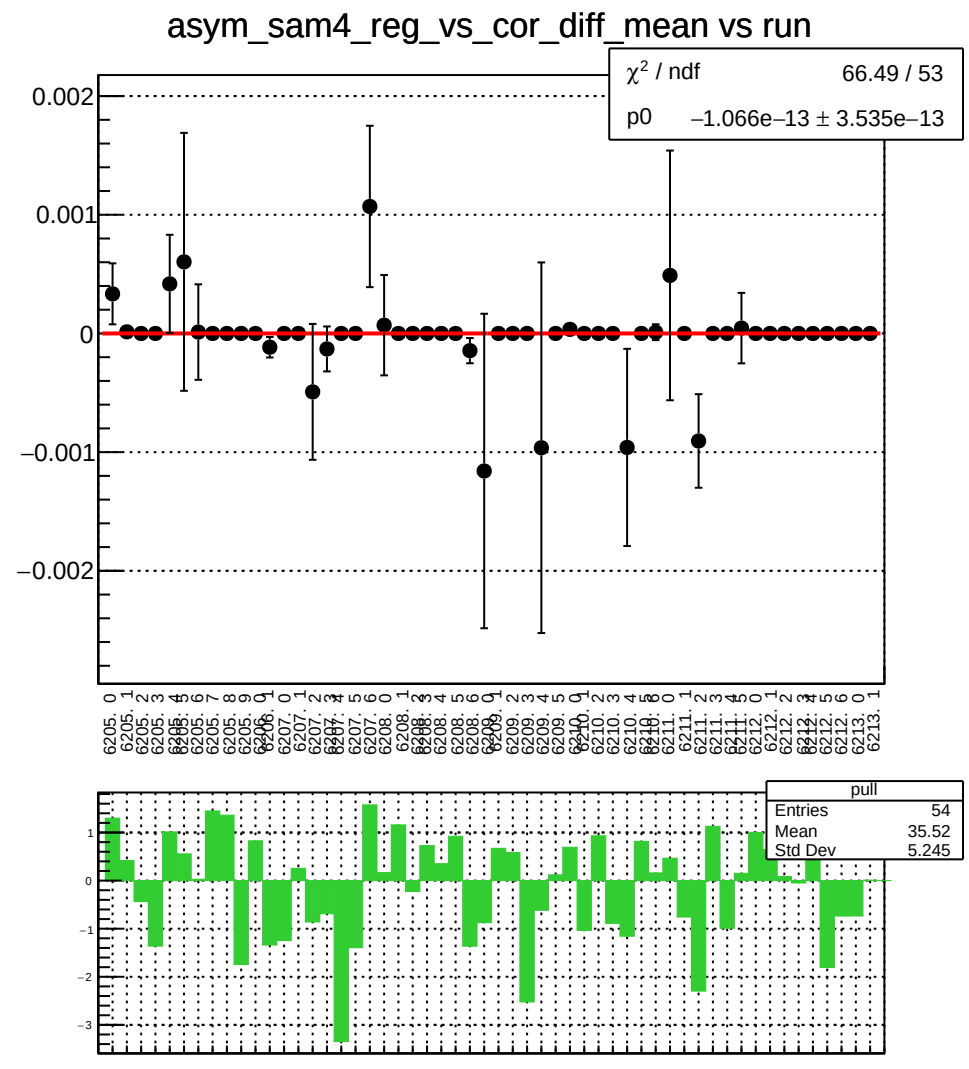
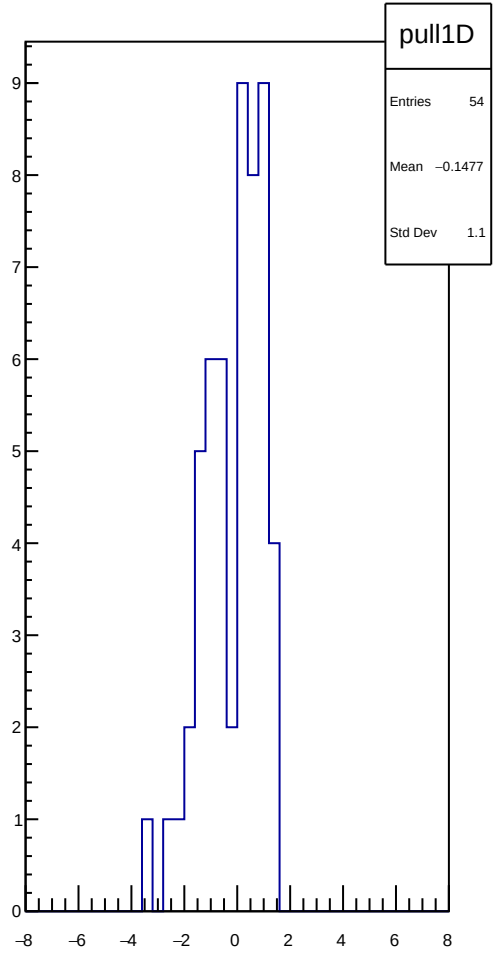
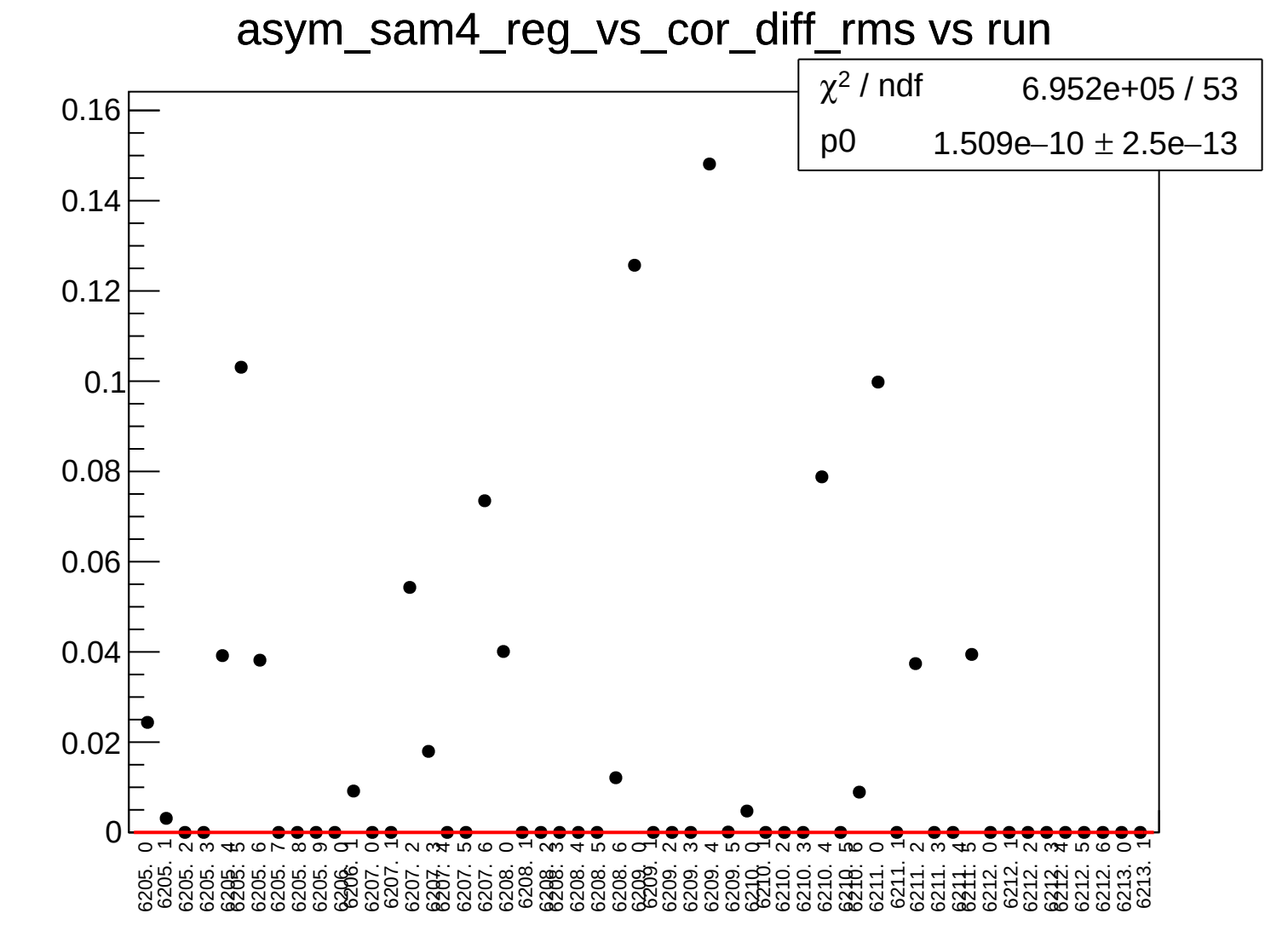
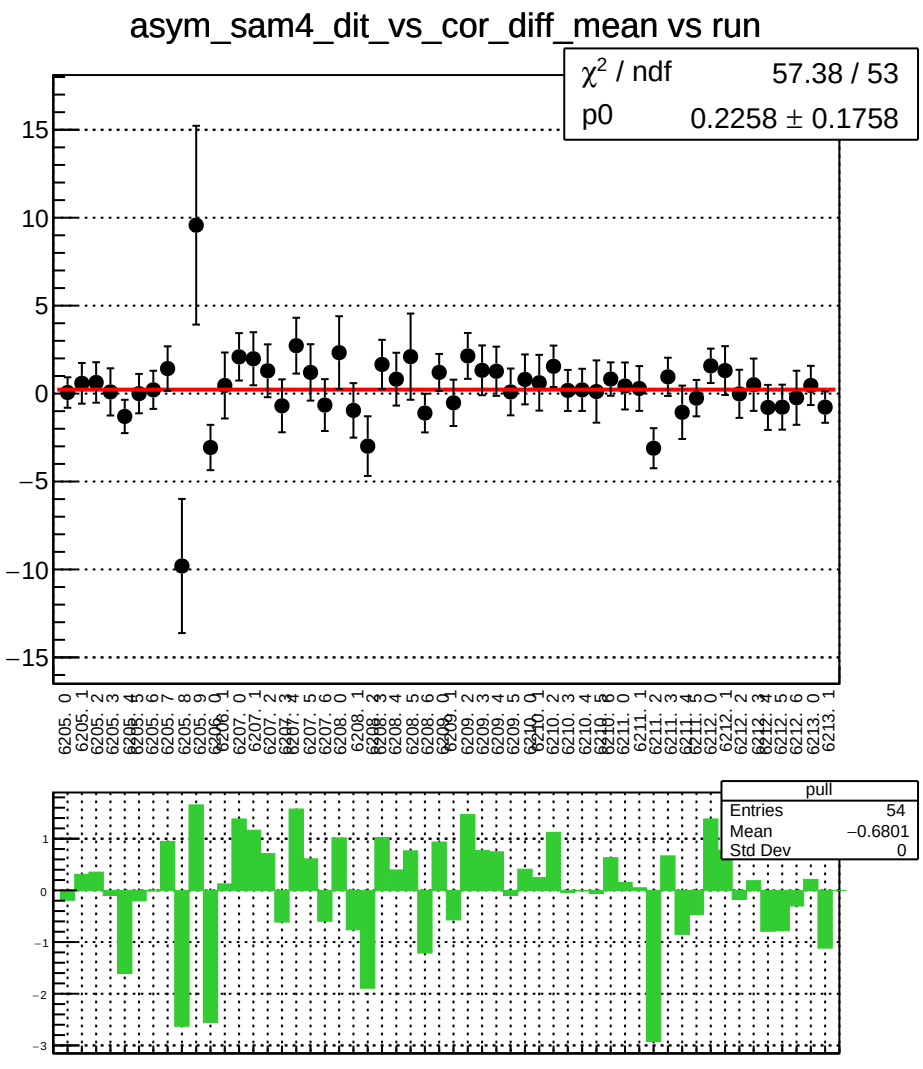
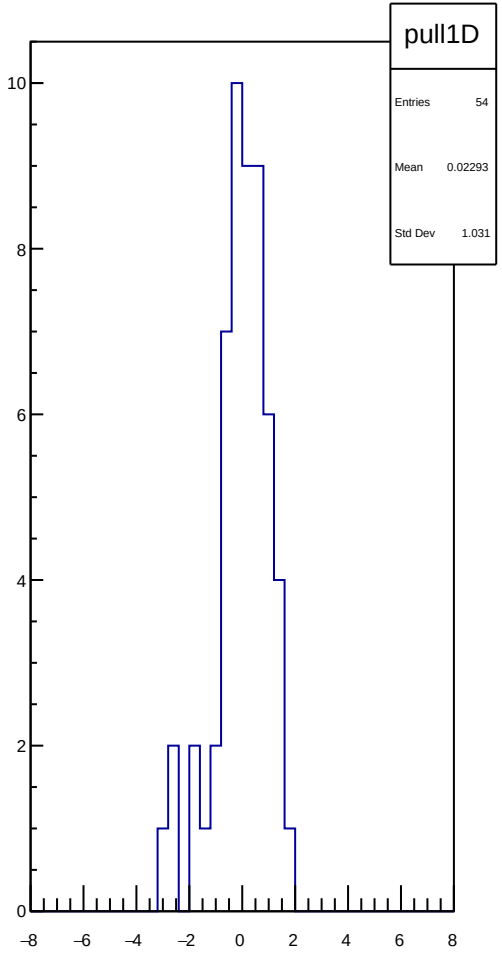
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

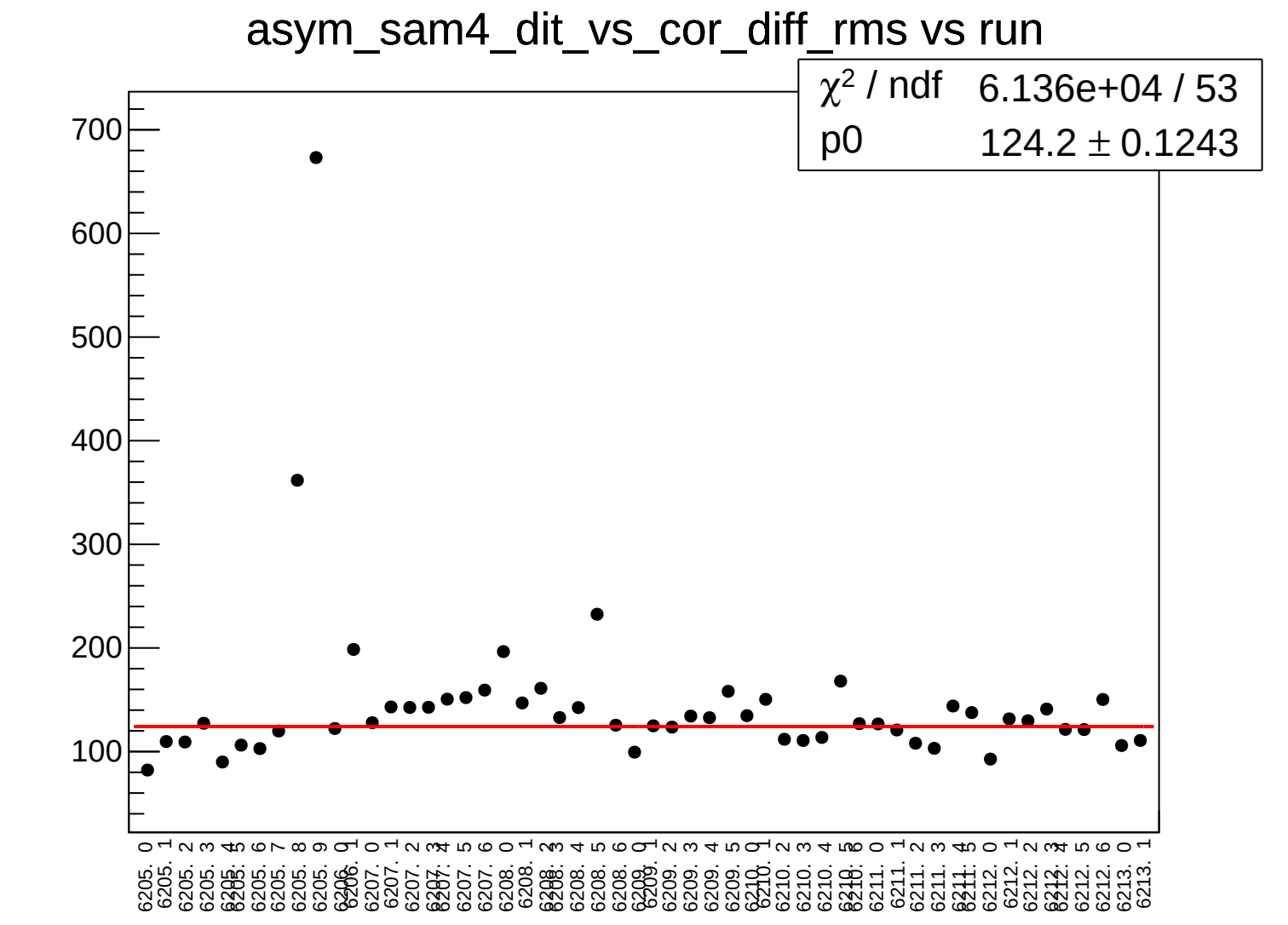

asym_sam4_reg_vs_cor_diff_mean vs run
χ² / ndf 66.49 / 53
p0 −1.066e−13 ± 3.535e−13
0.002
0.001
0
−0.001
−0.002
pull
Entries 54
Mean 35.52
Std Dev 5.245

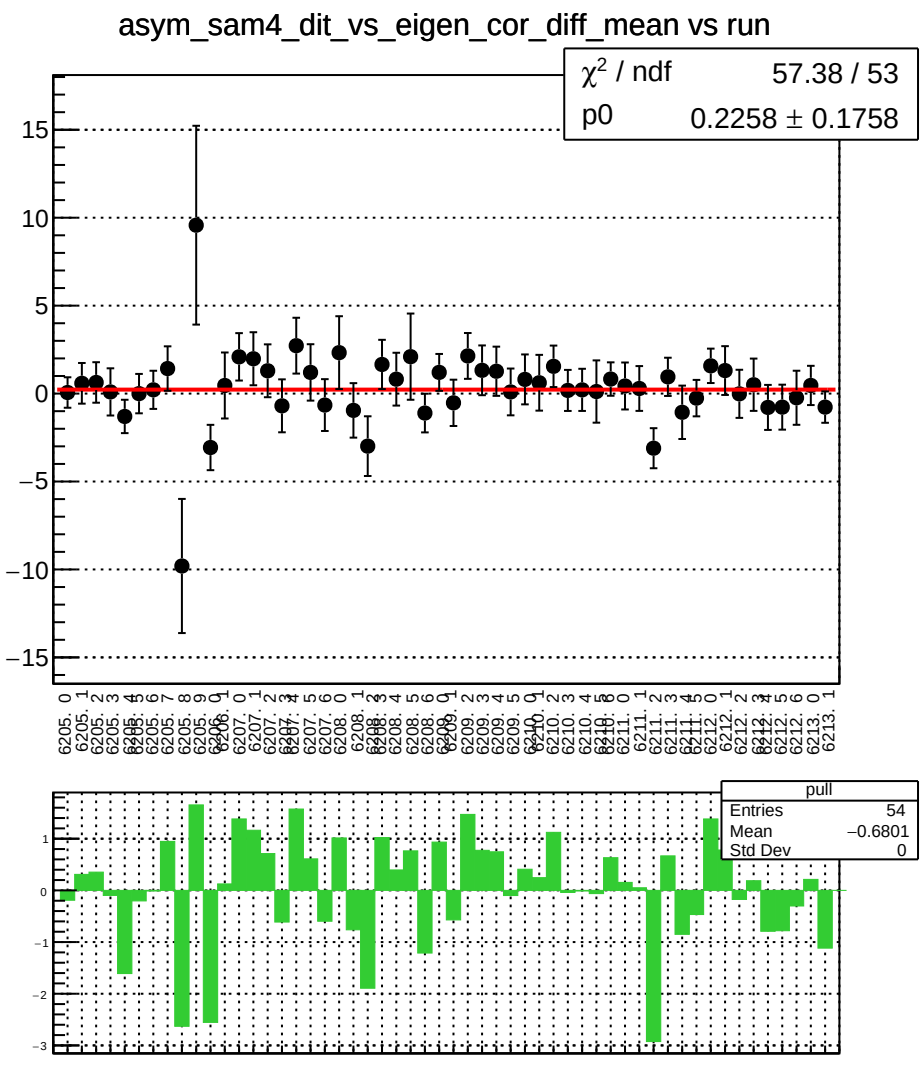

pull1D
Entries 54
Mean −0.1477
Std Dev 1.1

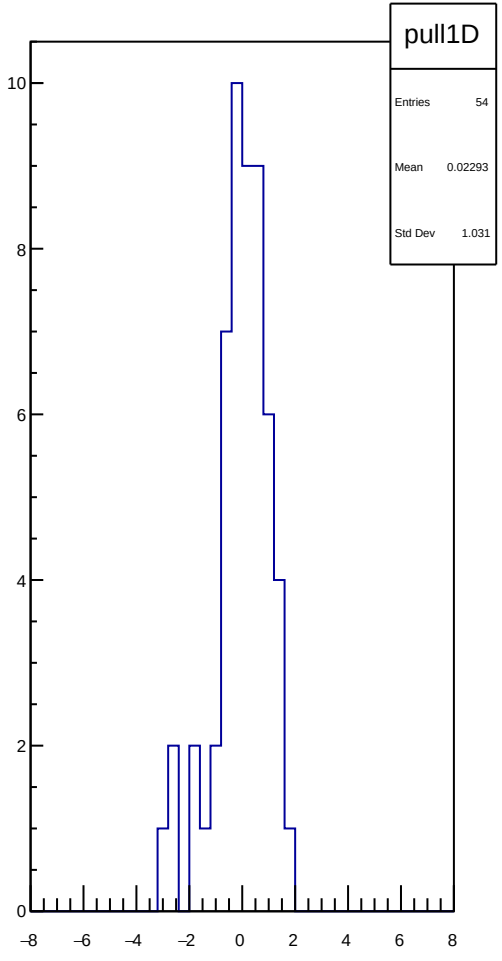

asym_sam4_reg_vs_cor_diff_rms vs run
χ² / ndf 6.952e+05 / 53
p0 1.509e−10 ± 2.5e−13
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

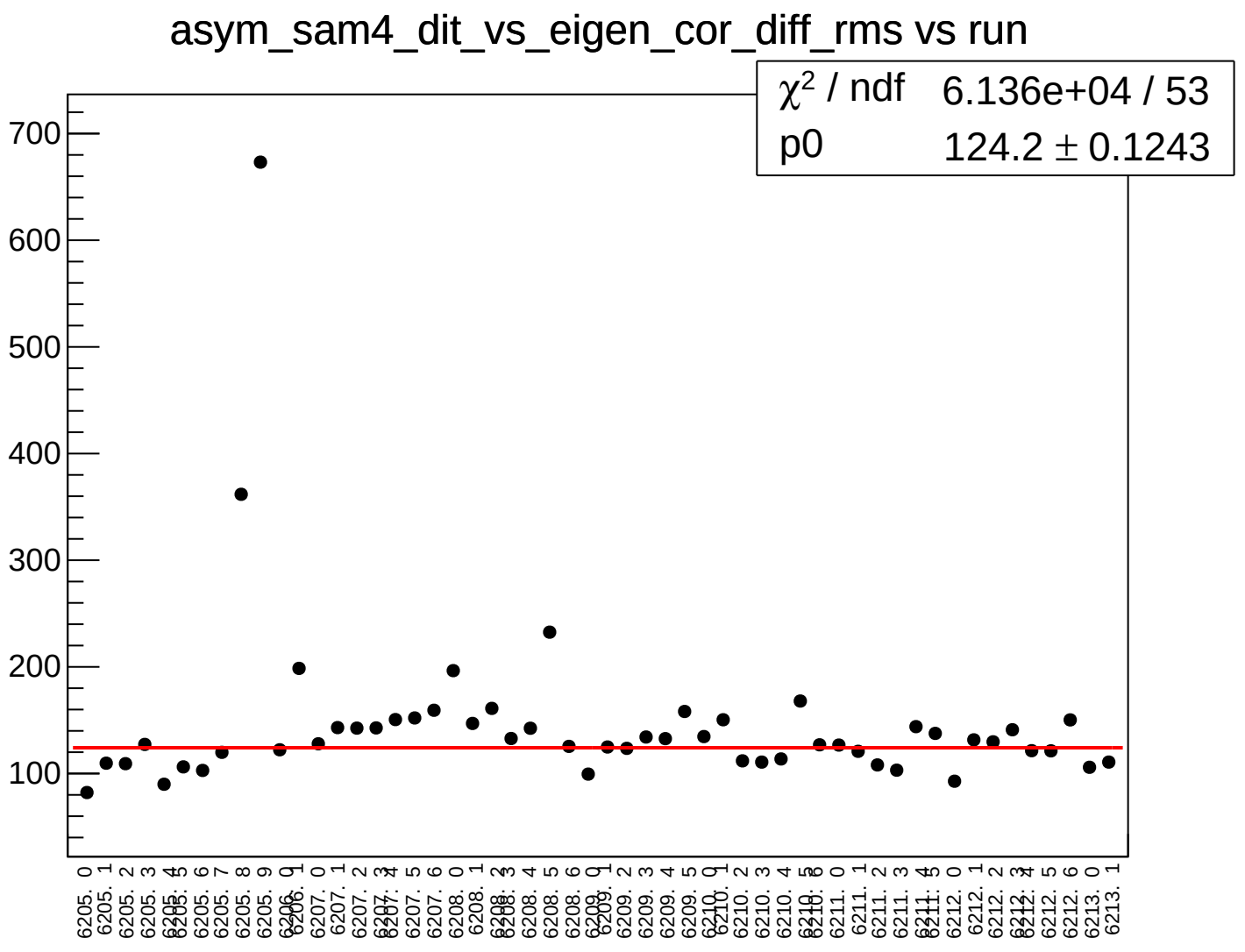

asym_sam4_dit_vs_cor_diff_mean vs run
χ² / ndf 57.38 / 53
p0 0.2258 ± 0.1758
pull
Entries 54
Mean −0.6801
Std Dev 0

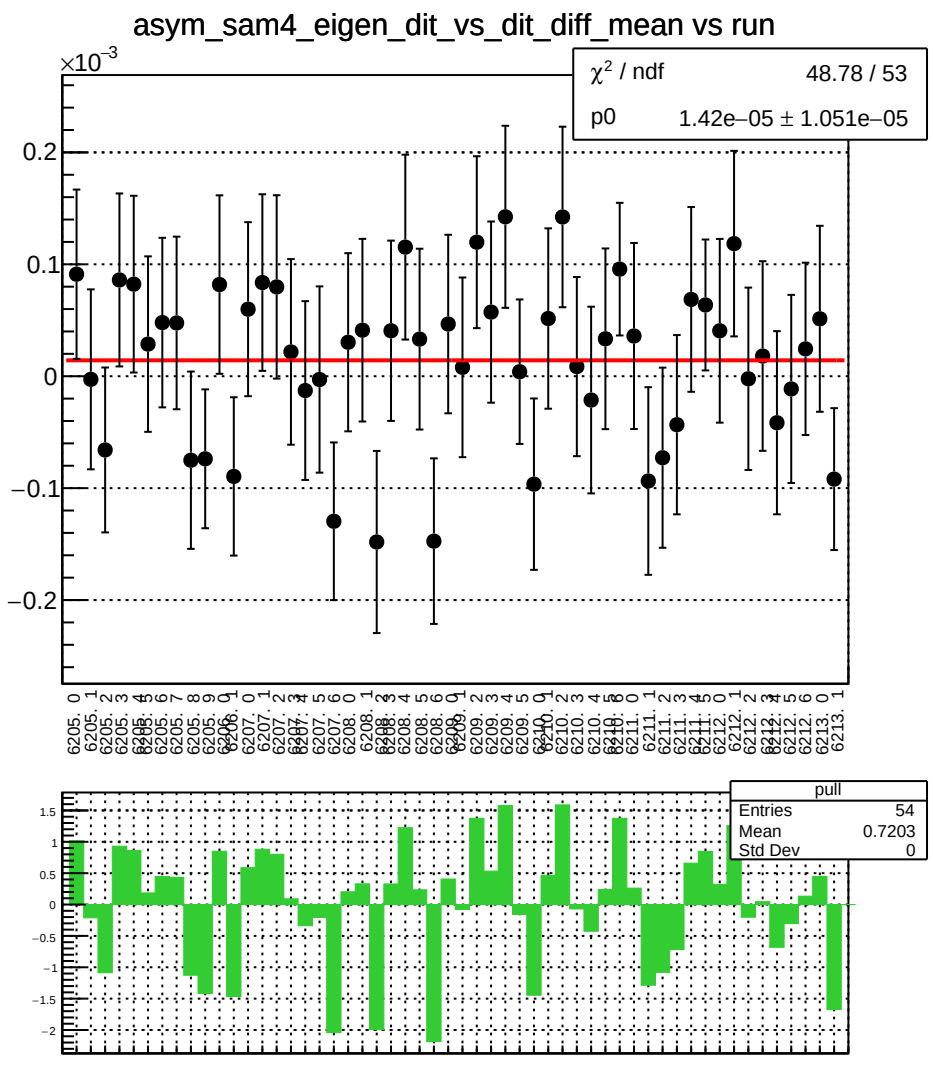

pull1D
Entries 54
Mean 0.02293
Std Dev 1.031

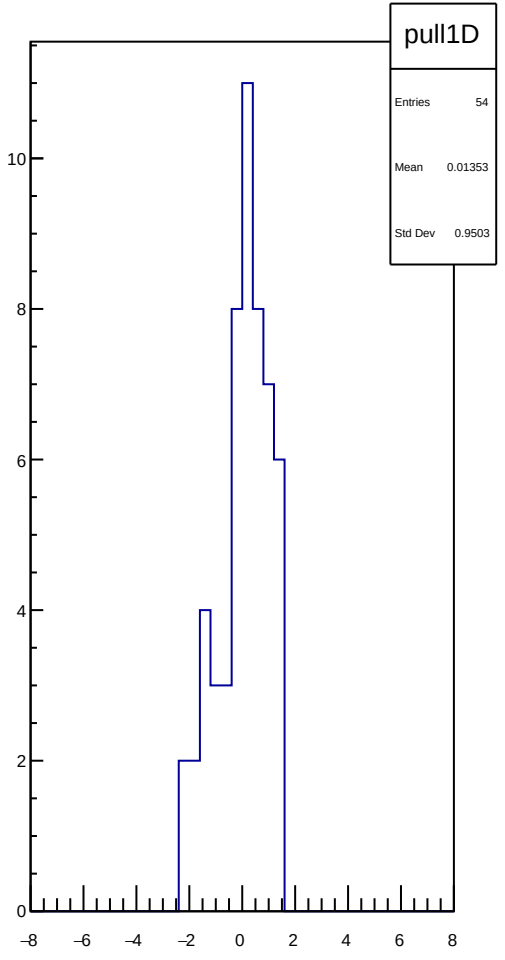

asym_sam4_dit_vs_cor_diff_rms vs run
χ² / ndf 6.136e+04 / 53
p0 124.2 ± 0.1243
700
600
500
400
300
200
100
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

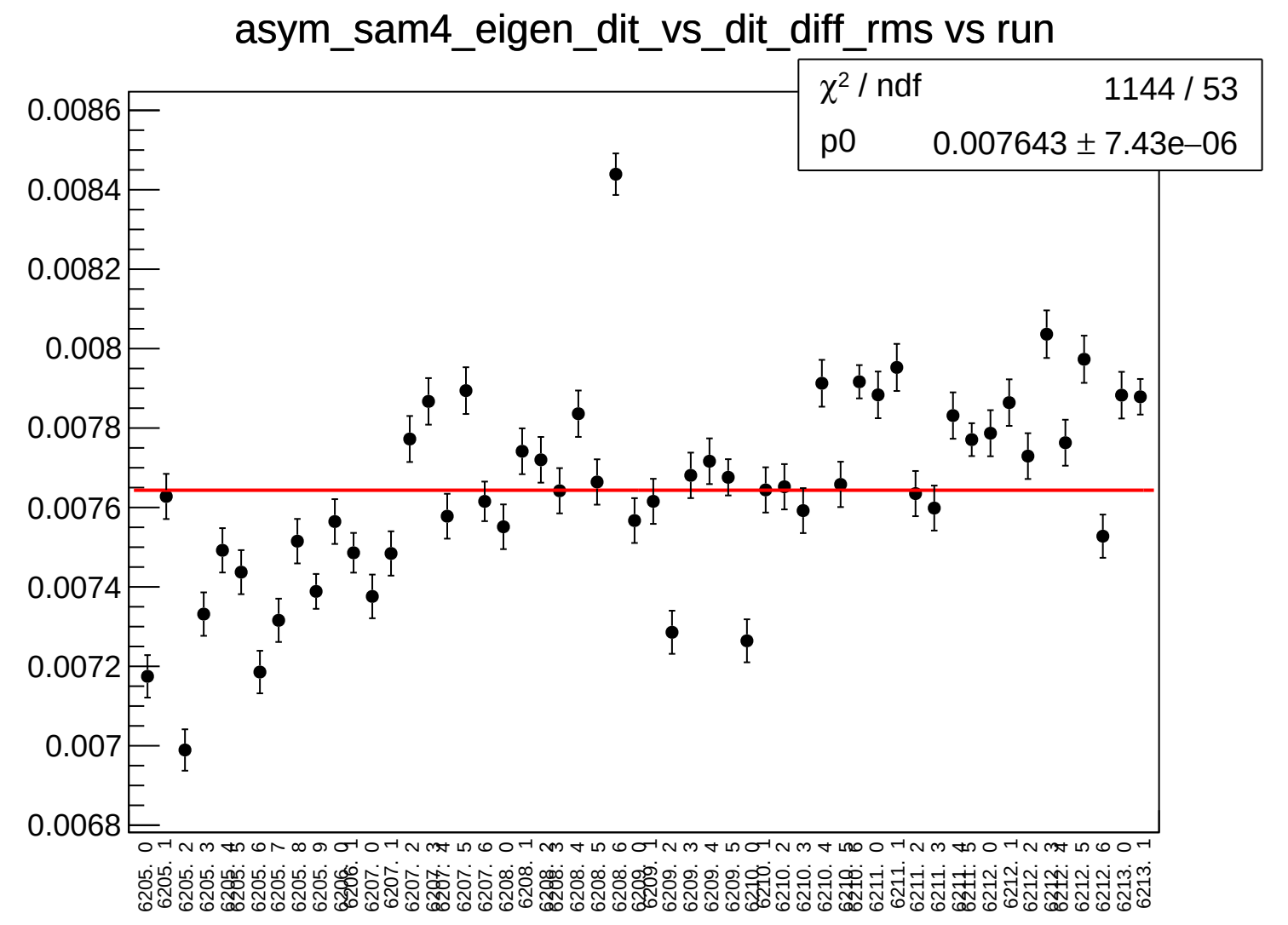

asym_sam4_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 57.38 / 53
p0 0.2258 ± 0.1758
pull
Entries 54
Mean −0.6801
Std Dev 0

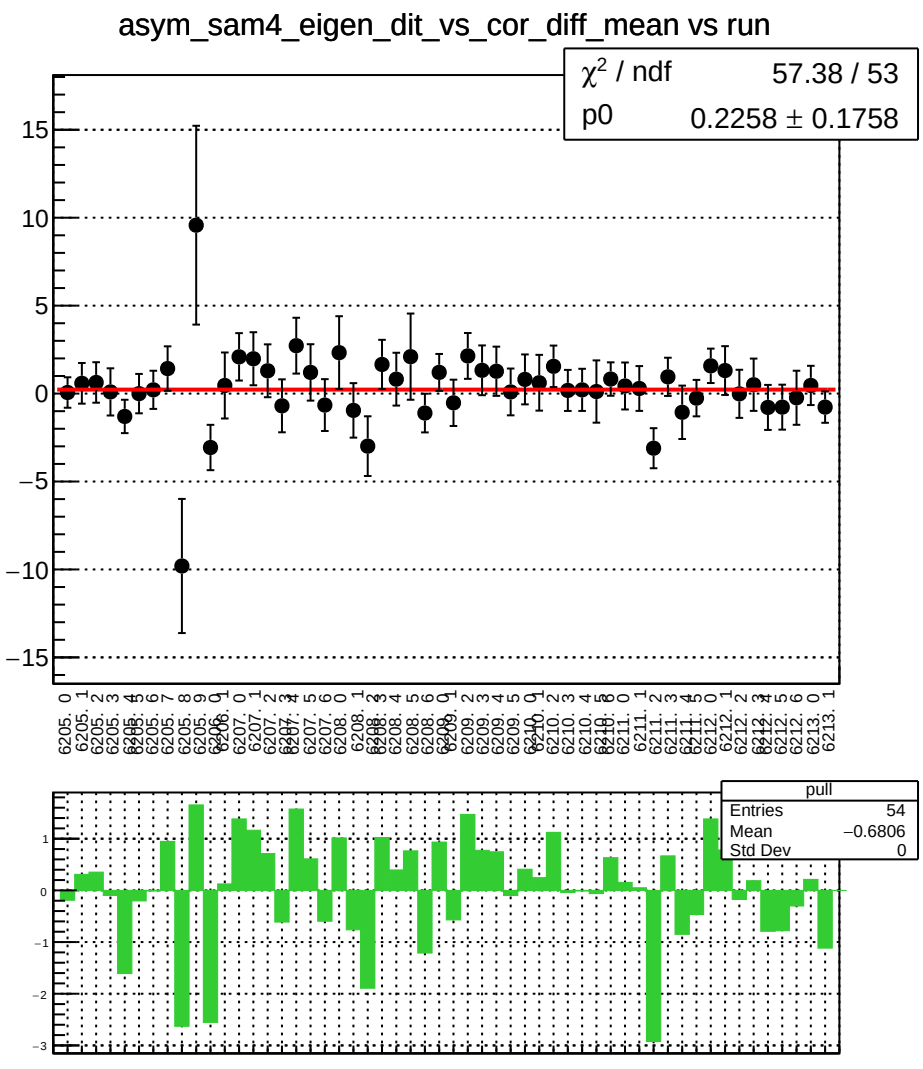

pull1D
Entries 54
Mean 0.02293
Std Dev 1.031

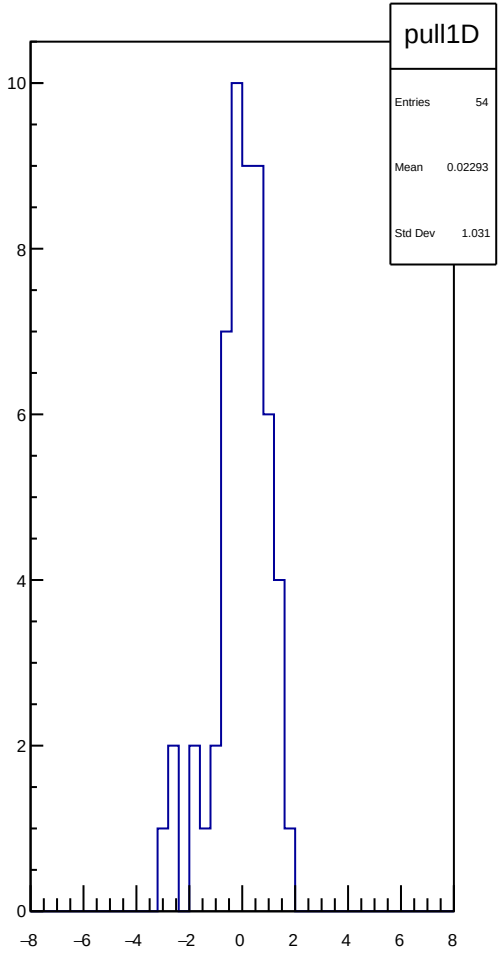

asym_sam4_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.136e+04 / 53
p0 124.2 ± 0.1243
700
600
500
400
300
200
100
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

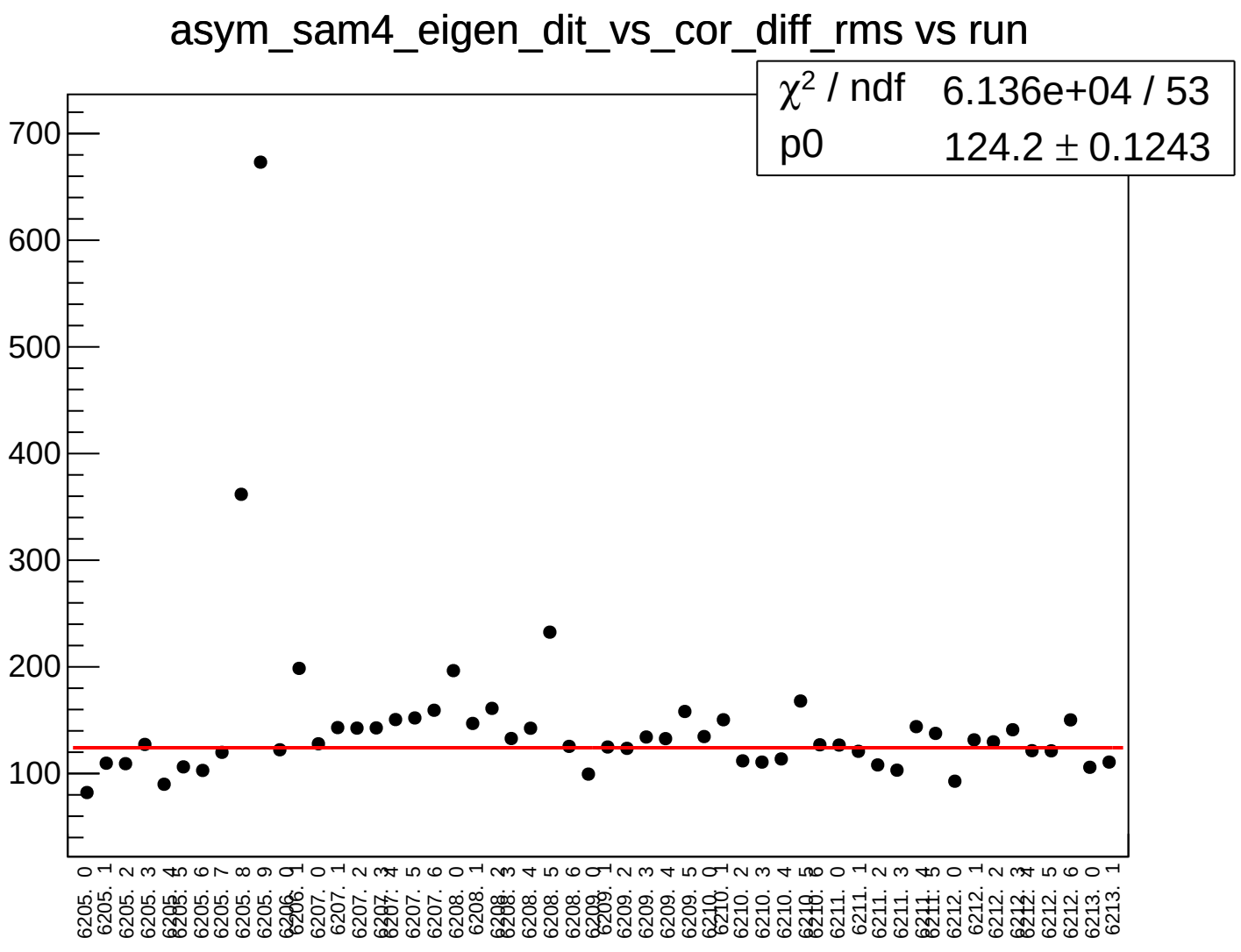

asym_sam4_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 48.78 / 53
p0 1.42e−05 ± 1.051e−05
0.2
0.1
0
−0.1
−0.2
pull
Entries 54
Mean 0.7203
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

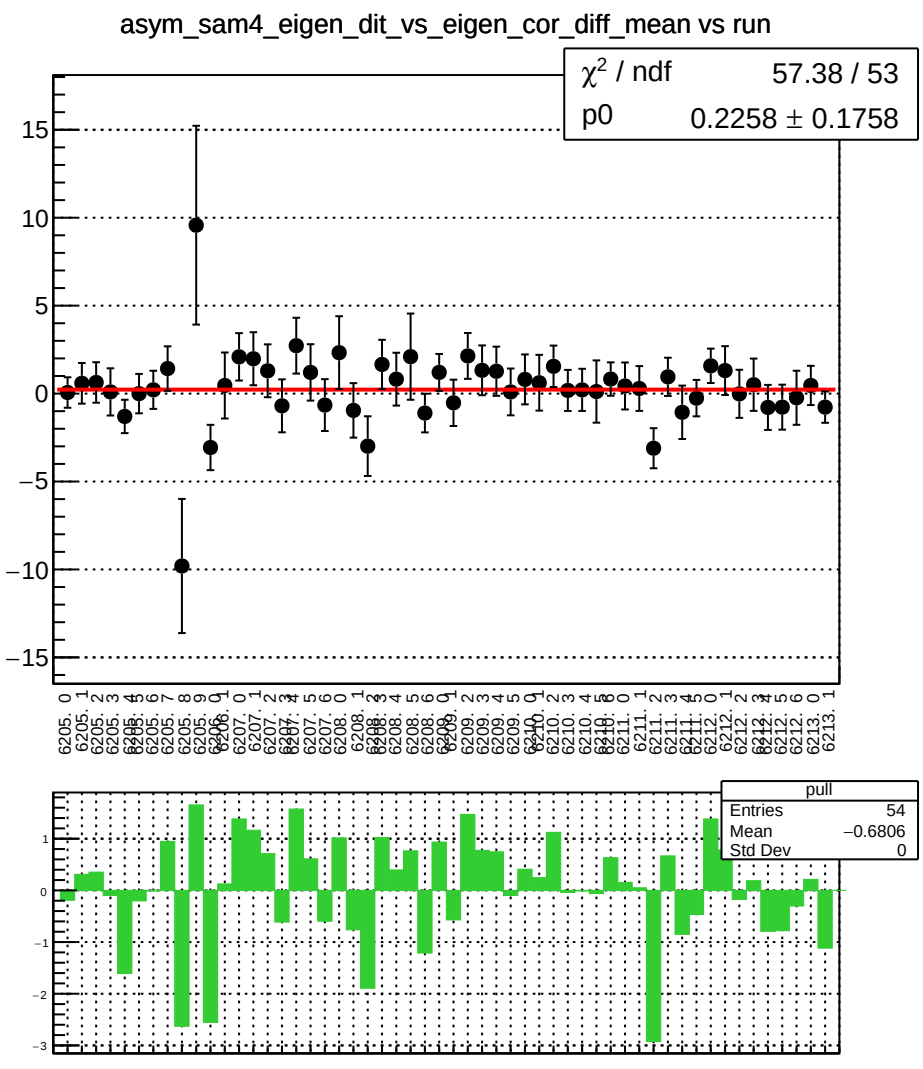

pull1D
Entries 54
Mean 0.01353
Std Dev 0.9503
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

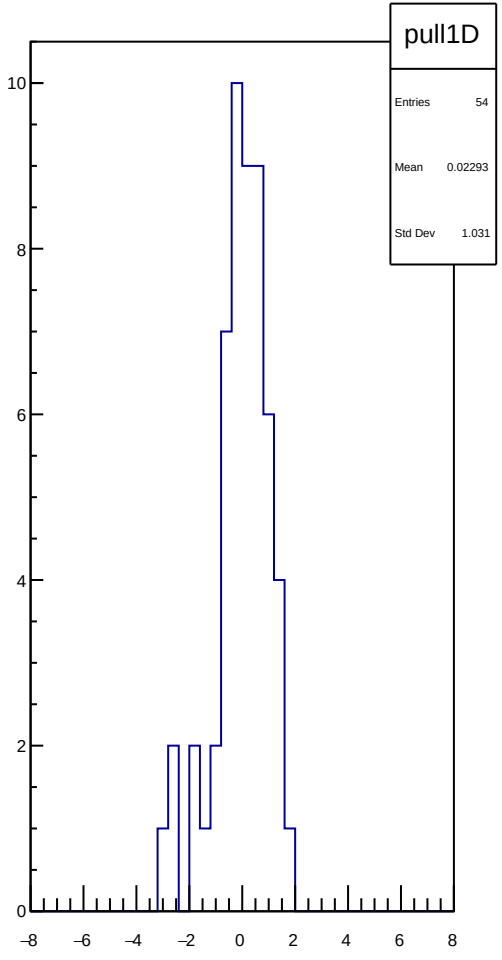

asym_sam4_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1144 / 53
p0 0.007643 ± 7.43e−06
0.0086
0.0084
0.0082
0.008
0.0078
0.0076
0.0074
0.0072
0.007
0.0068

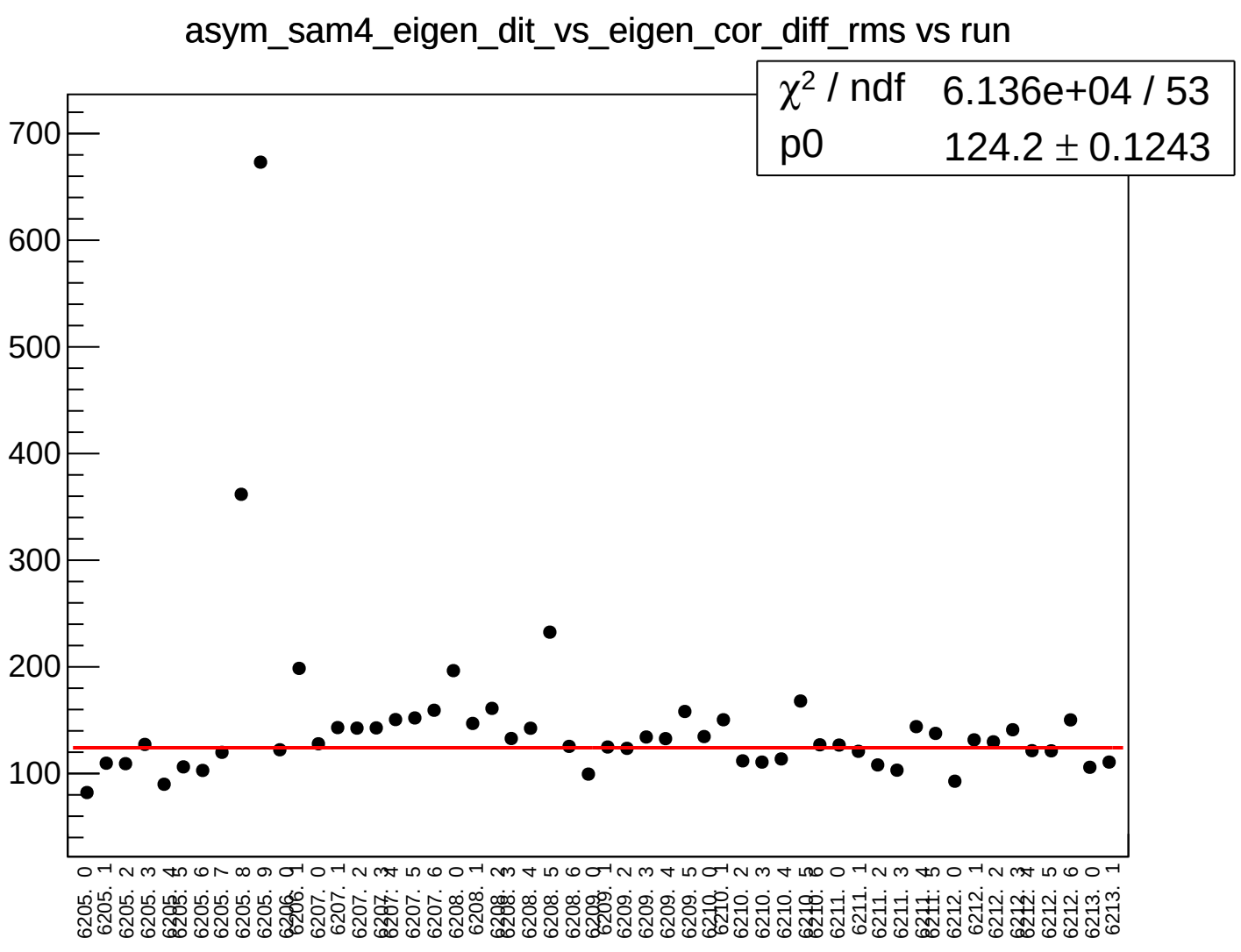

asym_sam4_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 57.38 / 53
p0 0.2258 ± 0.1758
pull
Entries 54
Mean −0.6806
Std Dev 0

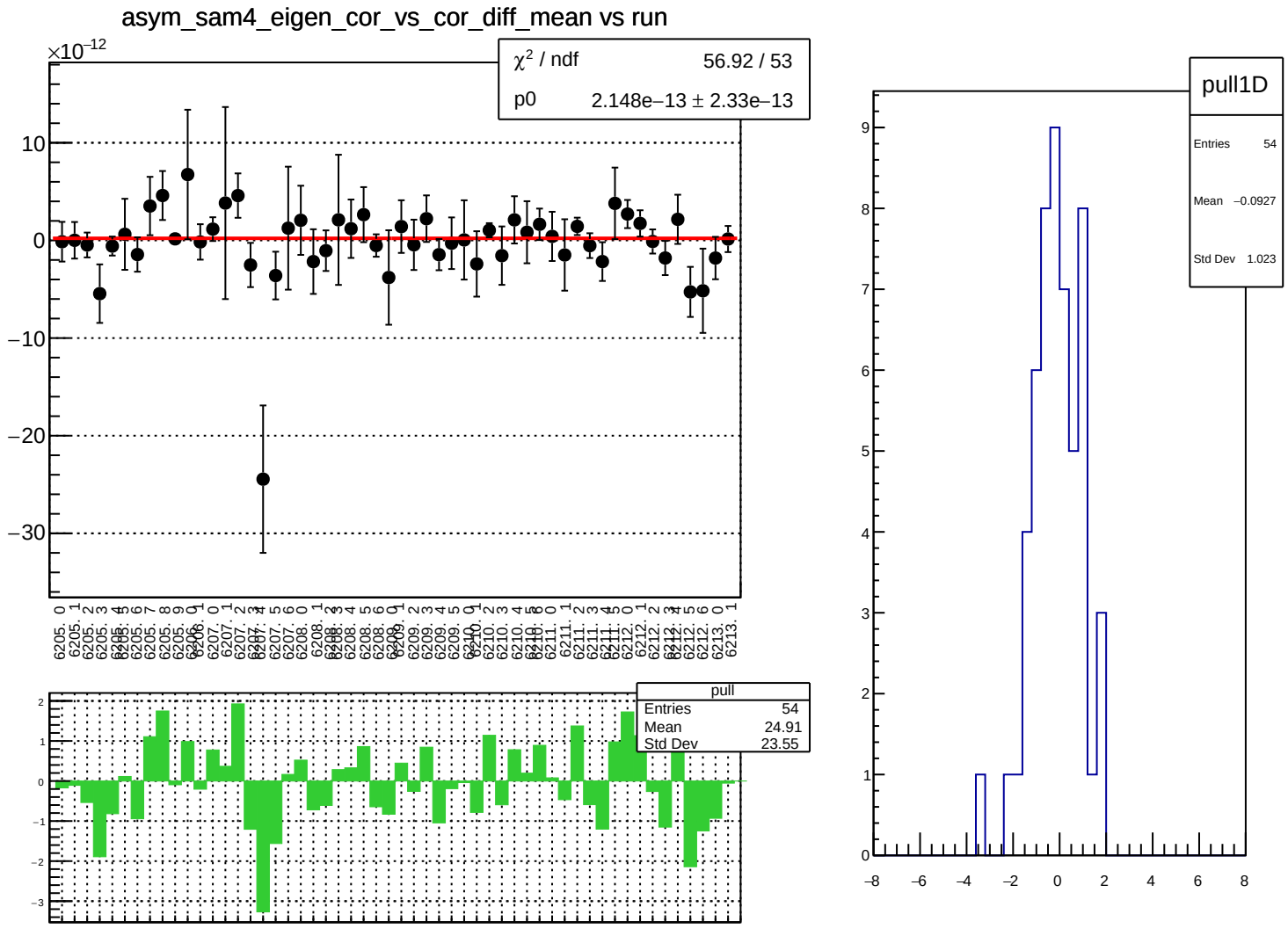

pull1D
Entries 54
Mean 0.02293
Std Dev 1.031

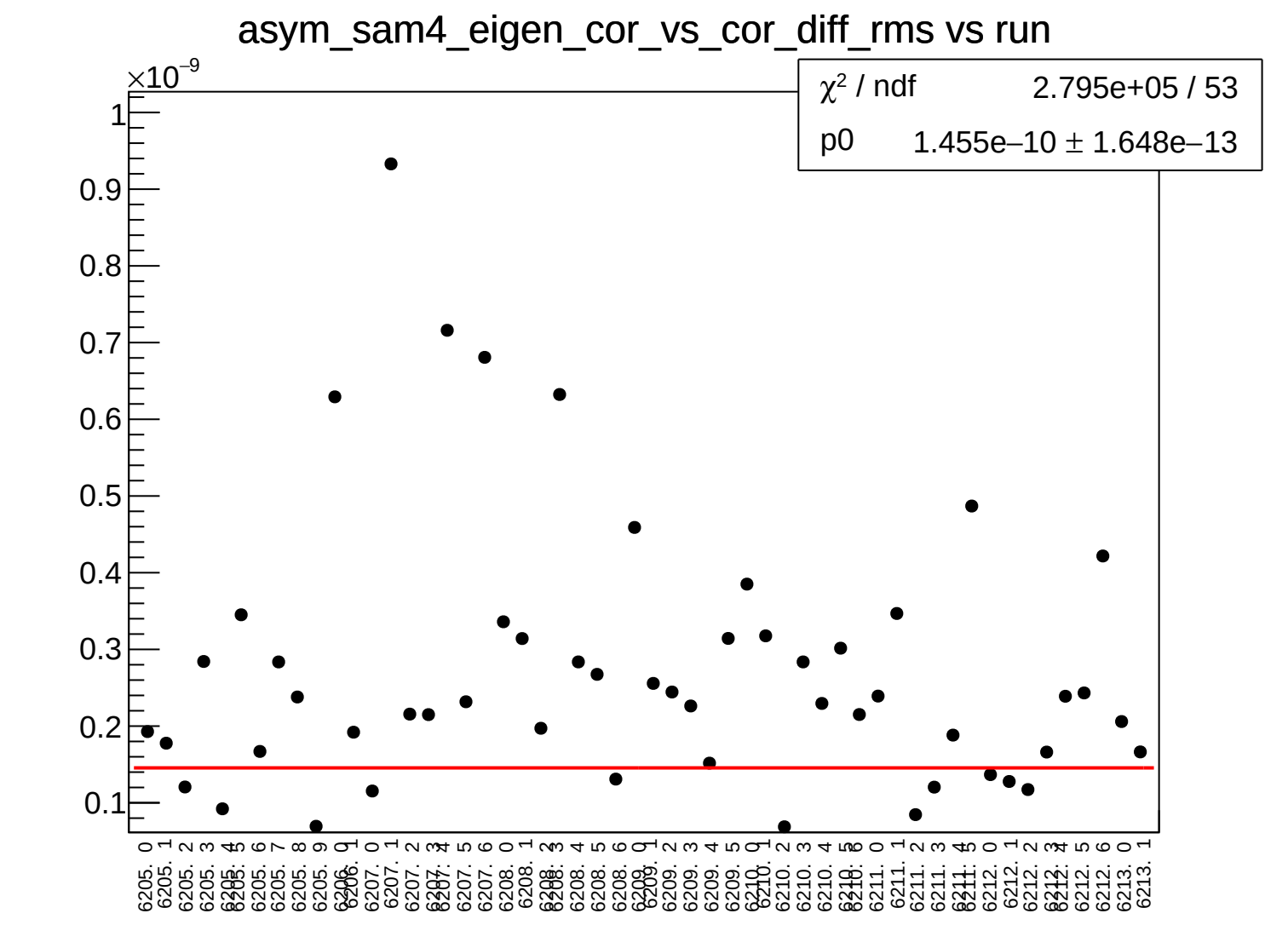

asym_sam4_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 6.136e+04 / 53
p0 124.2 ± 0.1243
700
600
500
400
300
200
100
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

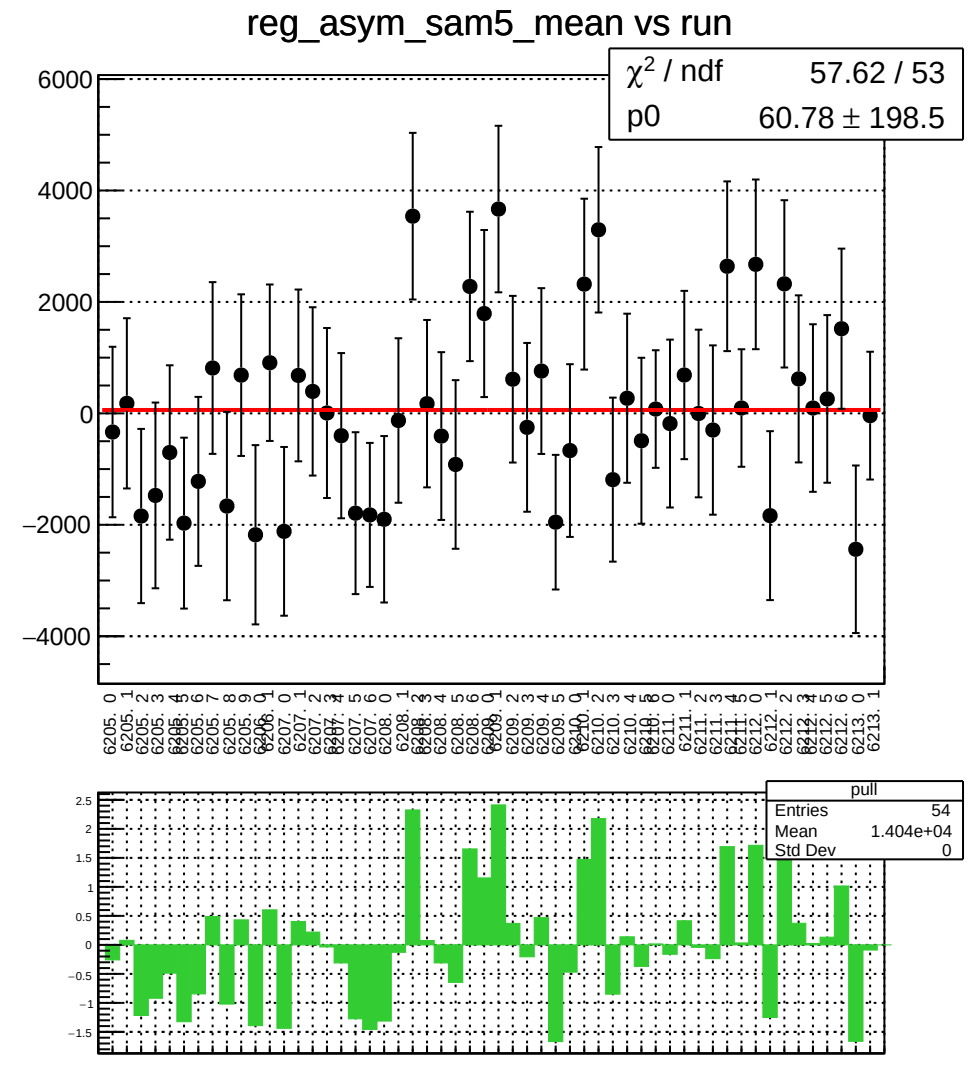

asym_sam4_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 57.38 / 53
p0 0.2258 ± 0.1758
pull
Entries 54
Mean −0.6806
Std Dev 0

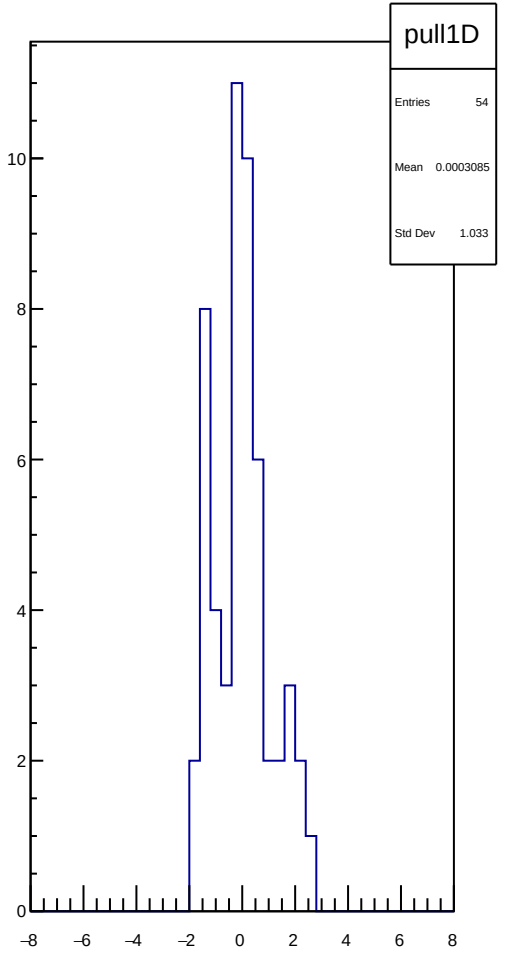

pull1D
Entries 54
Mean 0.02293
Std Dev 1.031

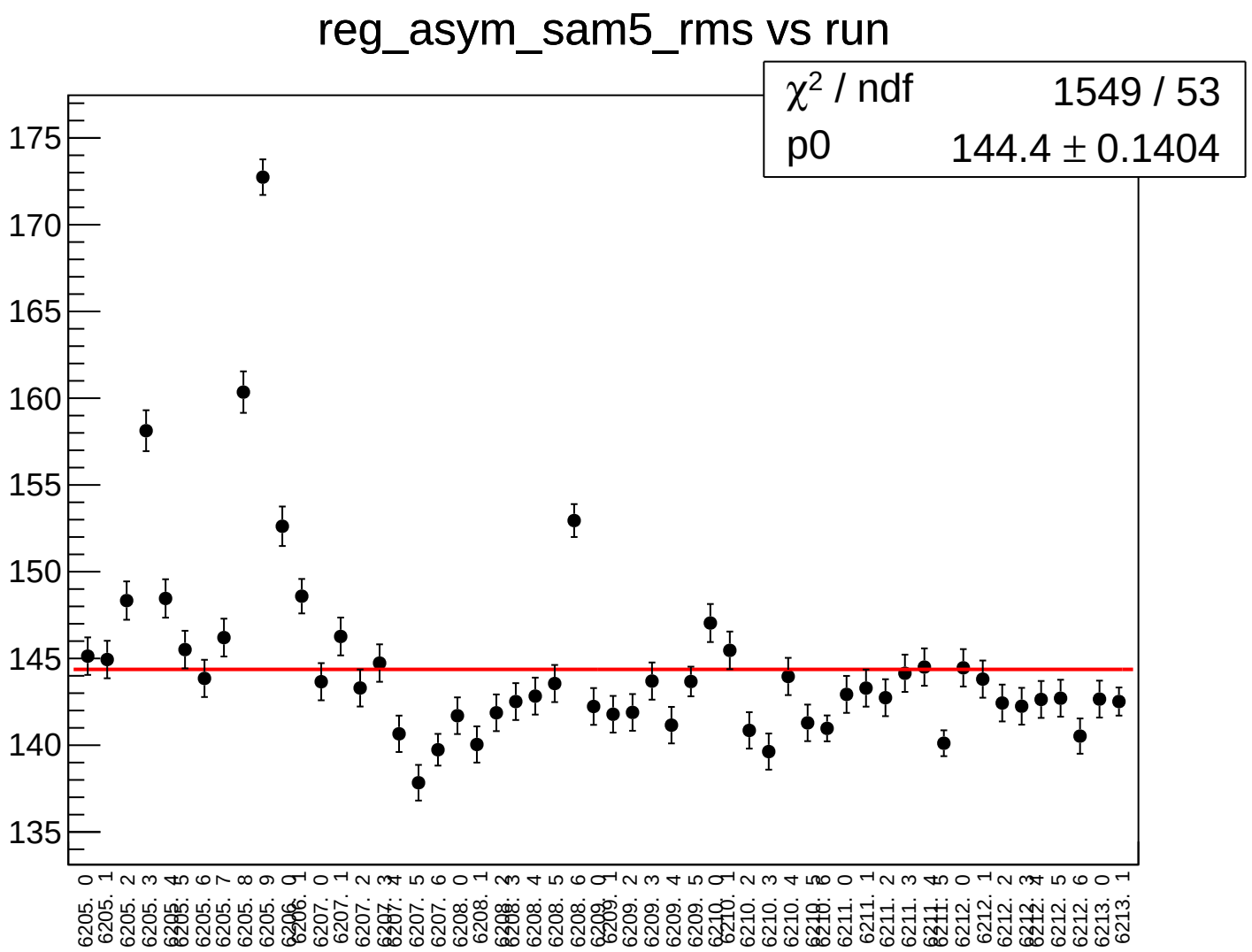

asym_sam4_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.136e+04 / 53
p0 124.2 ± 0.1243
700
600
500
400
300
200
100
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_sam4_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 56.92 / 53
p0 2.148e−13 ± 2.33e−13
10
0
−10
−20
−30
pull
Entries 54
Mean 24.91
Std Dev 23.55
pull1D
Entries 54
Mean −0.0927
Std Dev 1.023


asym_sam4_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.795e+05 / 53
p0 1.455e−10 ± 1.648e−13
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1


reg_asym_sam5_mean vs run
χ² / ndf 57.62 / 53
p0 60.78 ± 198.5
6000
4000
2000
0
−2000
−4000
pull
Entries 54
Mean 1.404e+04
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 54
Mean 0.0003085
Std Dev 1.033
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_sam5_rms vs run
χ² / ndf 1549 / 53
p0 144.4 ± 0.1404
175
170
165
160
155
150
145
140
135
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
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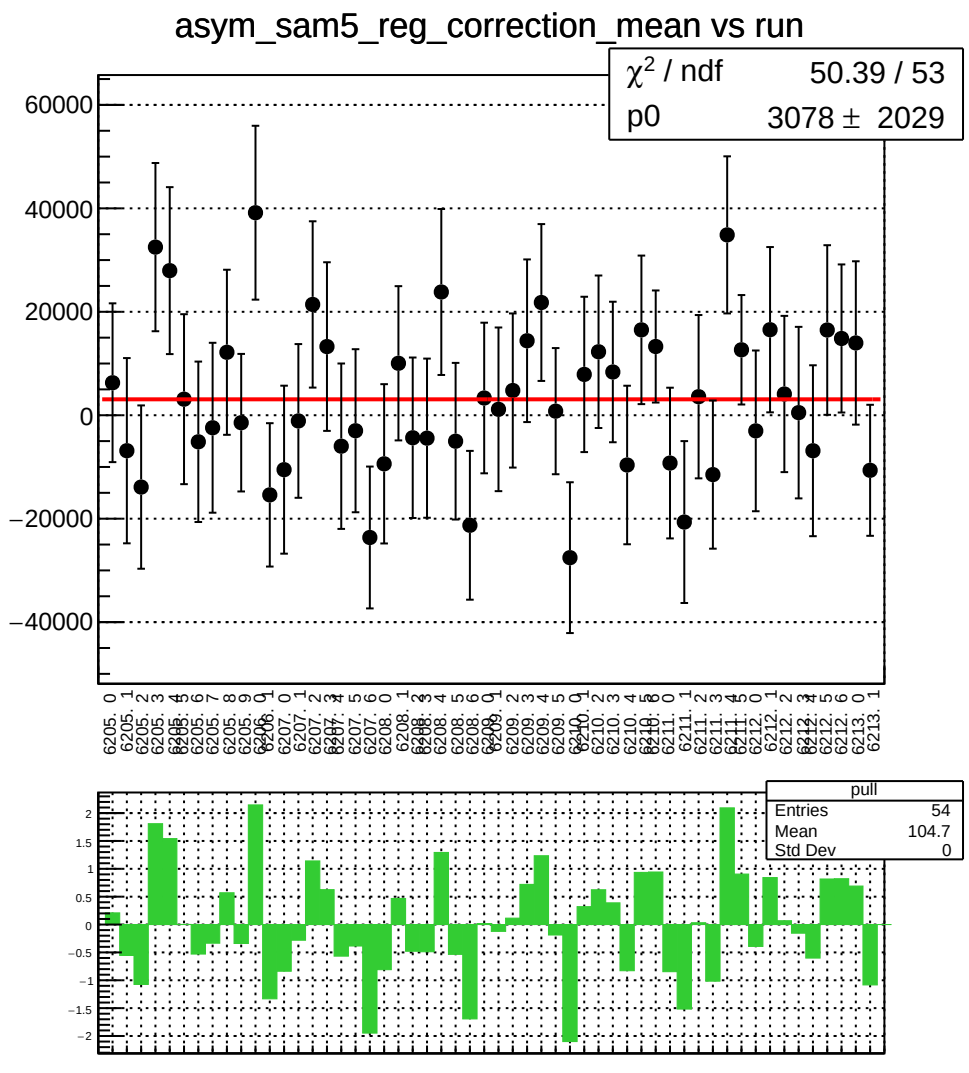
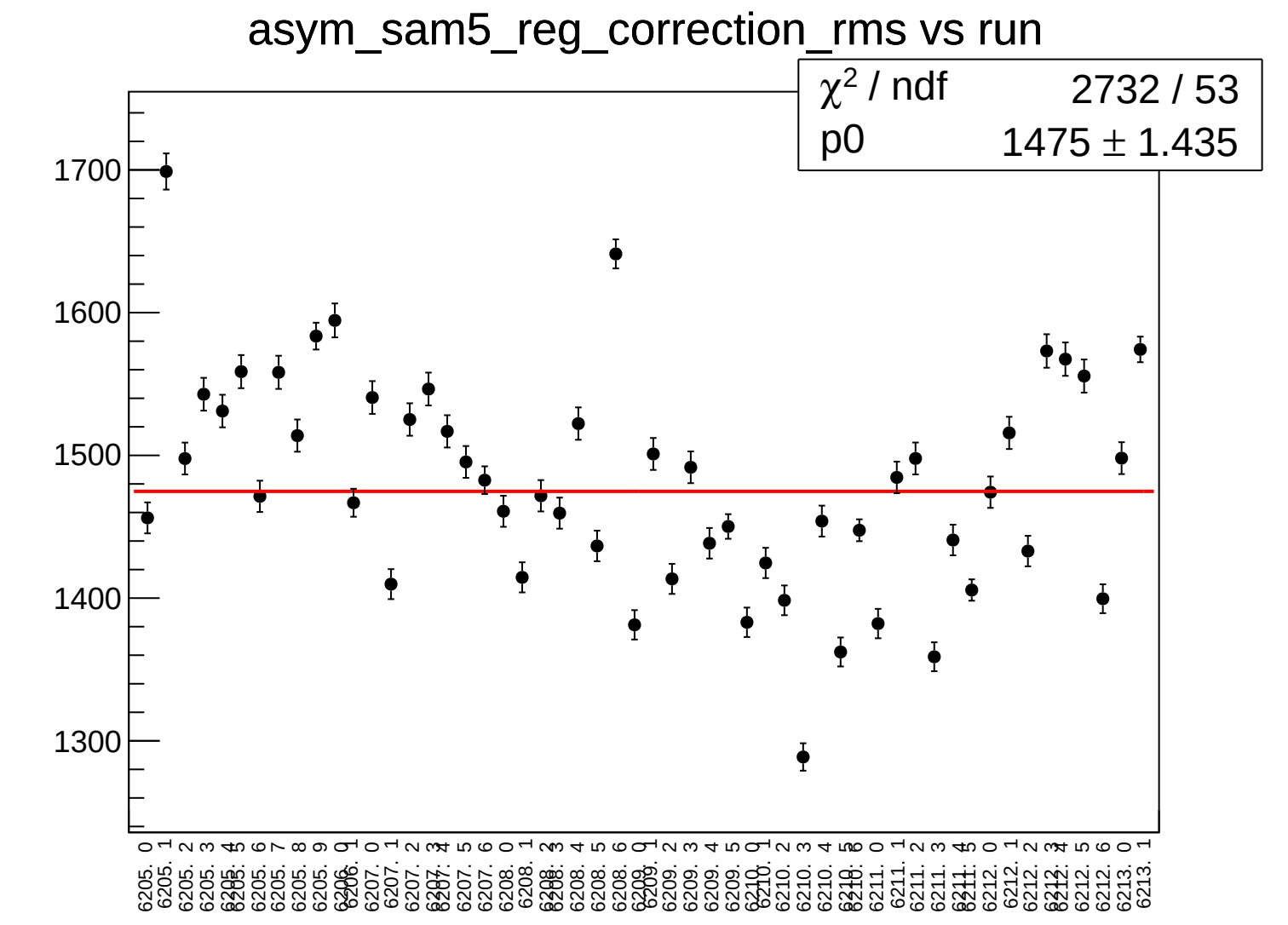
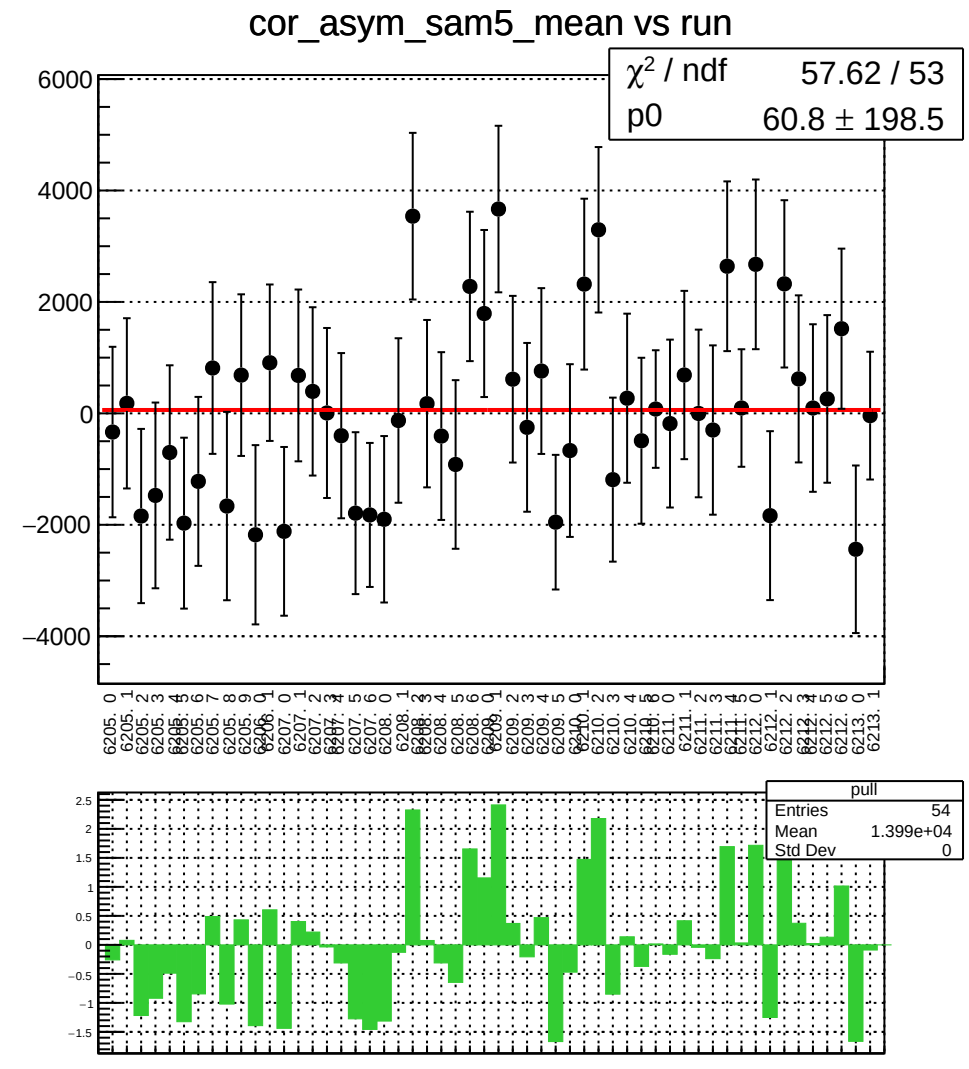
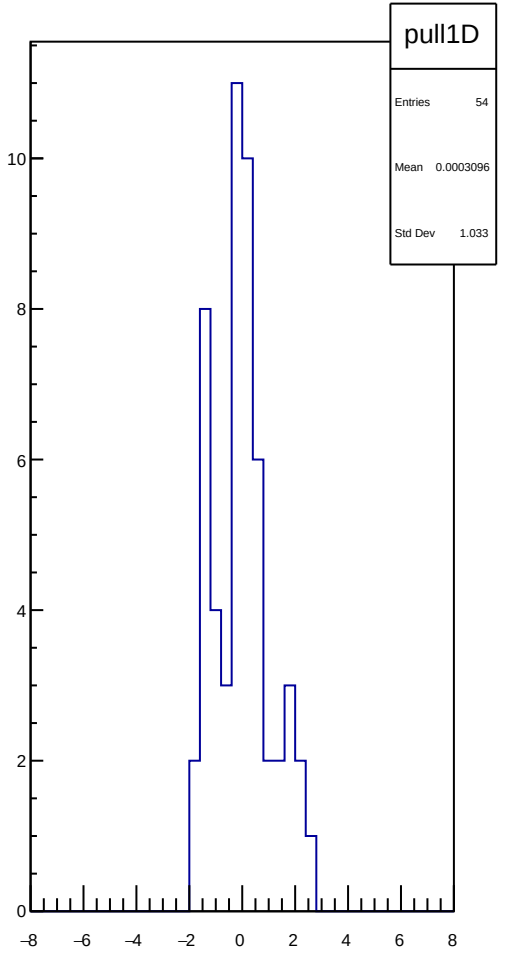
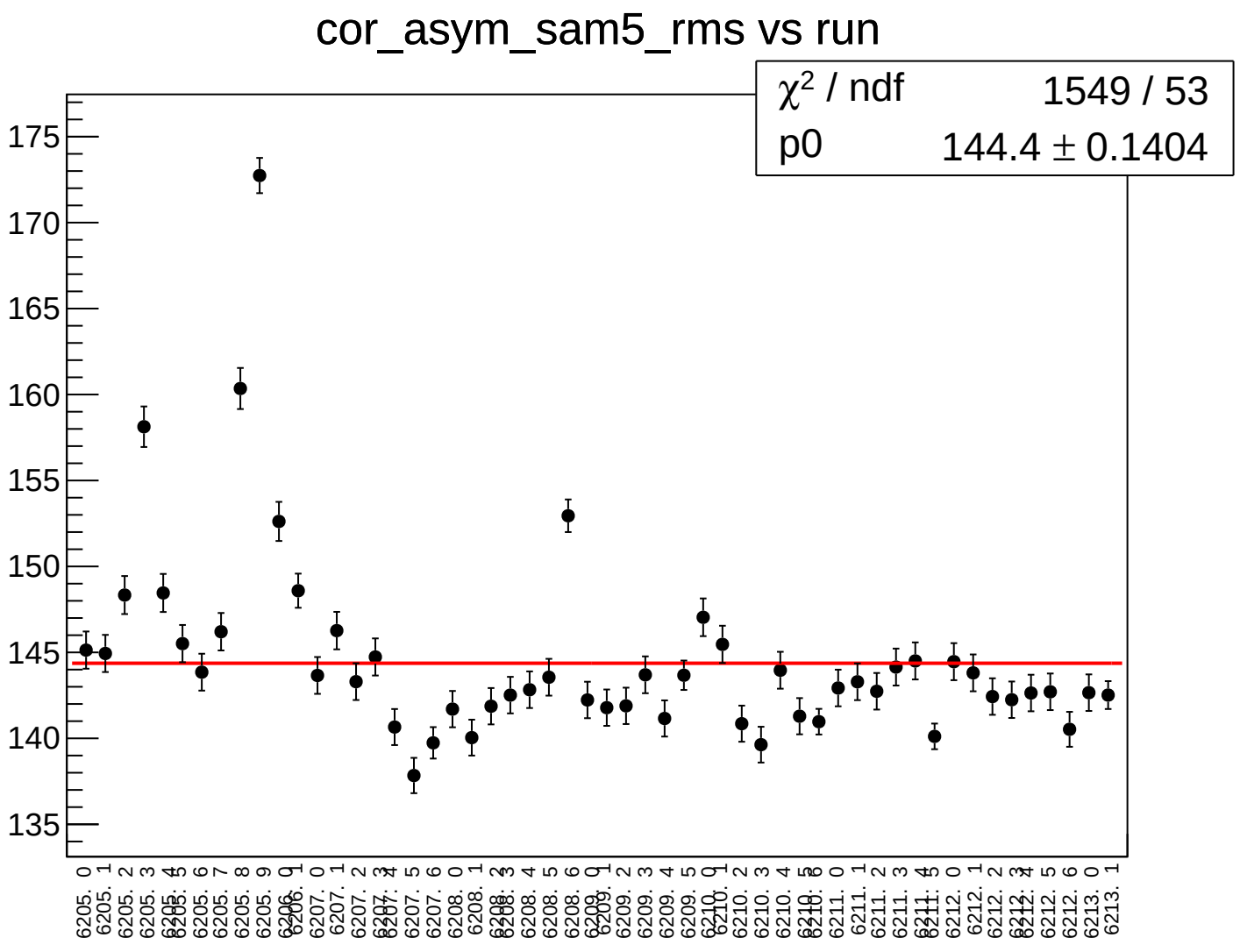
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_sam5_reg_correction_mean vs run
χ² / ndf 50.39 / 53
p0 3078 ± 2029
pull
Entries 54
Mean 104.7
Std Dev 0
pull1D
Entries 54
Mean 0.00626
Std Dev 0.9659


asym_sam5_reg_correction_rms vs run
χ² / ndf 2732 / 53
p0 1475 ± 1.435
1700
1600
1500
1400
1300
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1


cor_asym_sam5_mean vs run
χ² / ndf 57.62 / 53
p0 60.8 ± 198.5
pull
Entries 54
Mean 1.399e+04
Std Dev 0


pull1D
Entries 54
Mean 0.0003096
Std Dev 1.033


cor_asym_sam5_rms vs run
χ² / ndf 1549 / 53
p0 144.4 ± 0.1404
175
170
165
160
155
150
145
140
135
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
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6211. 4
6211. 5
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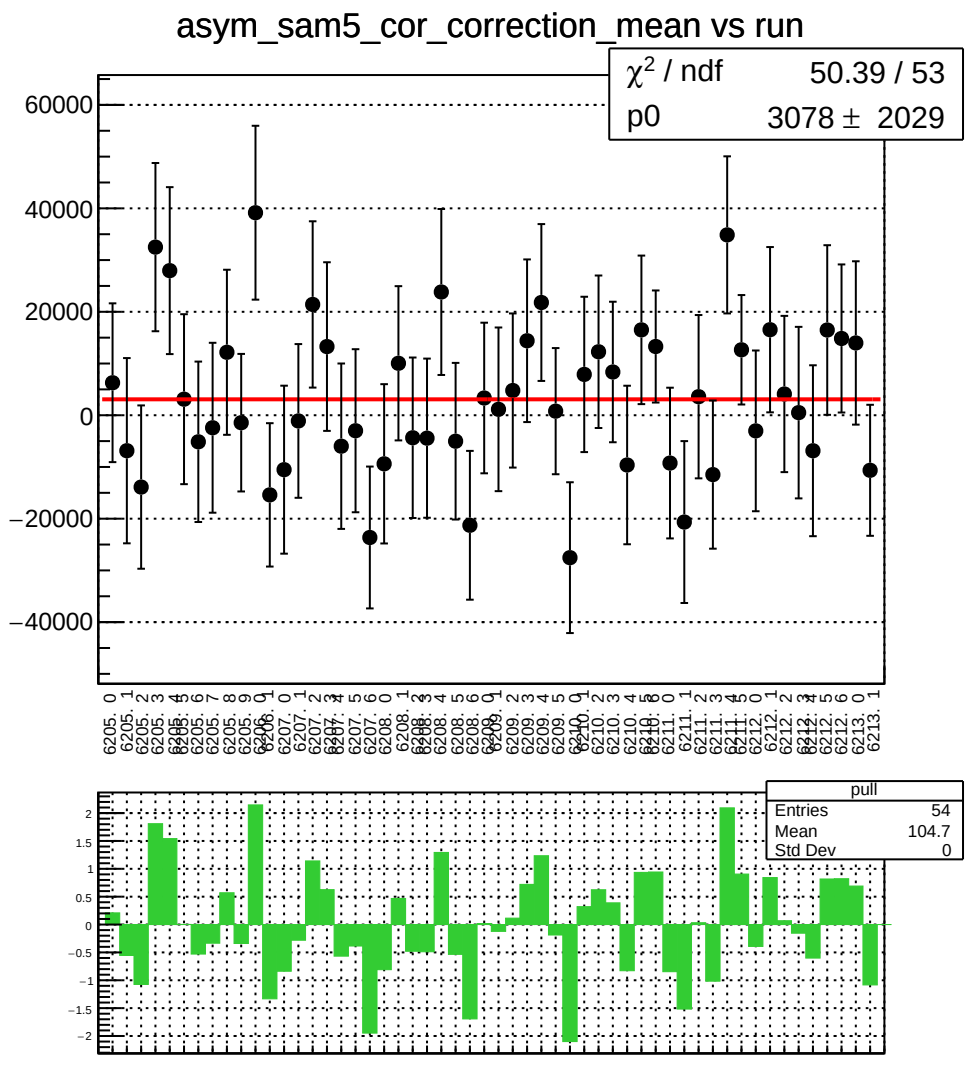
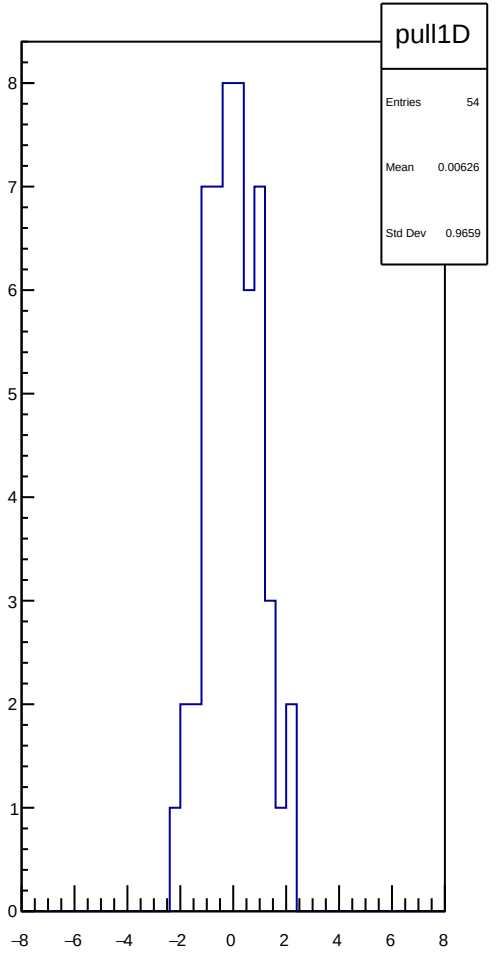
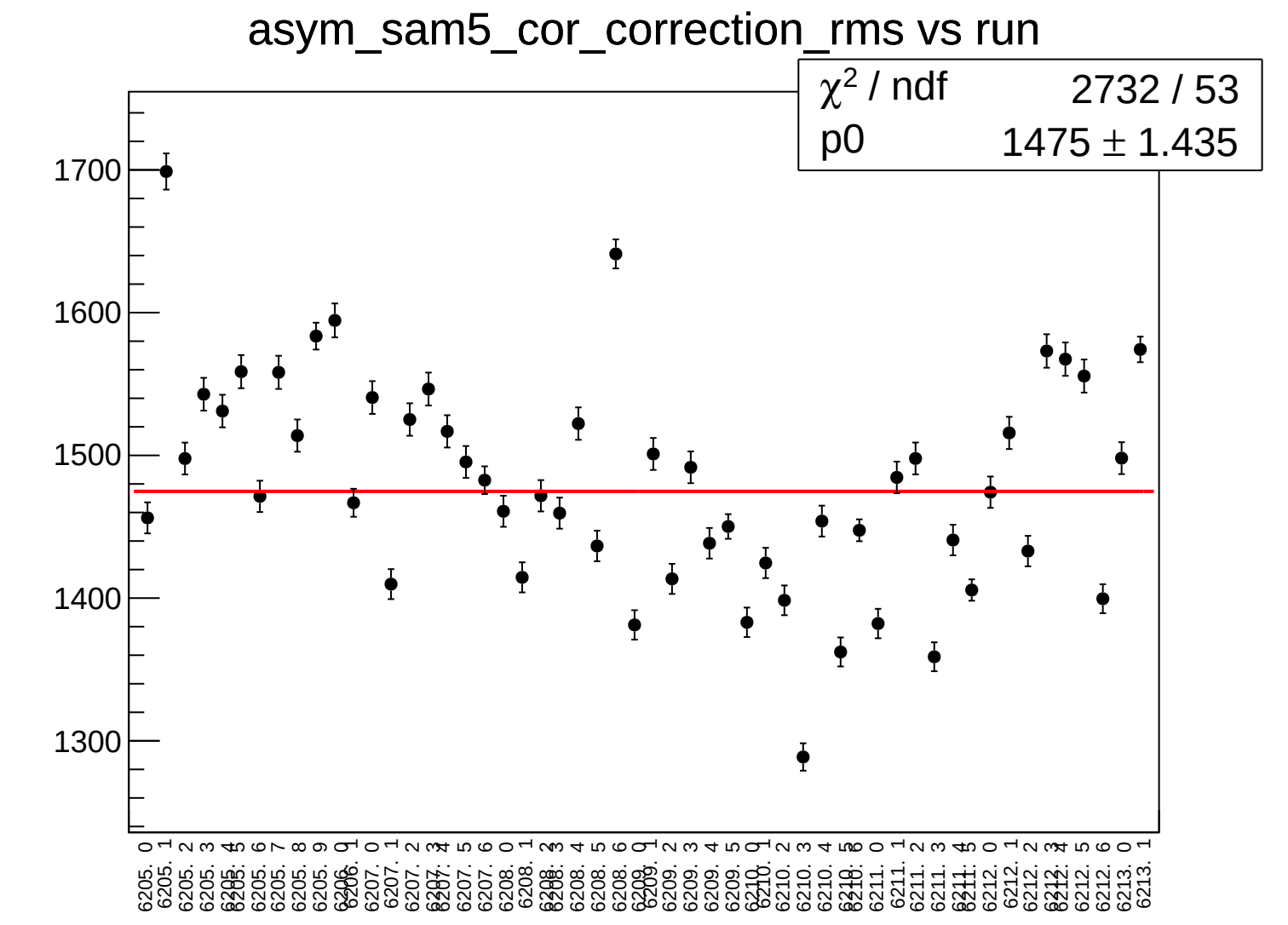
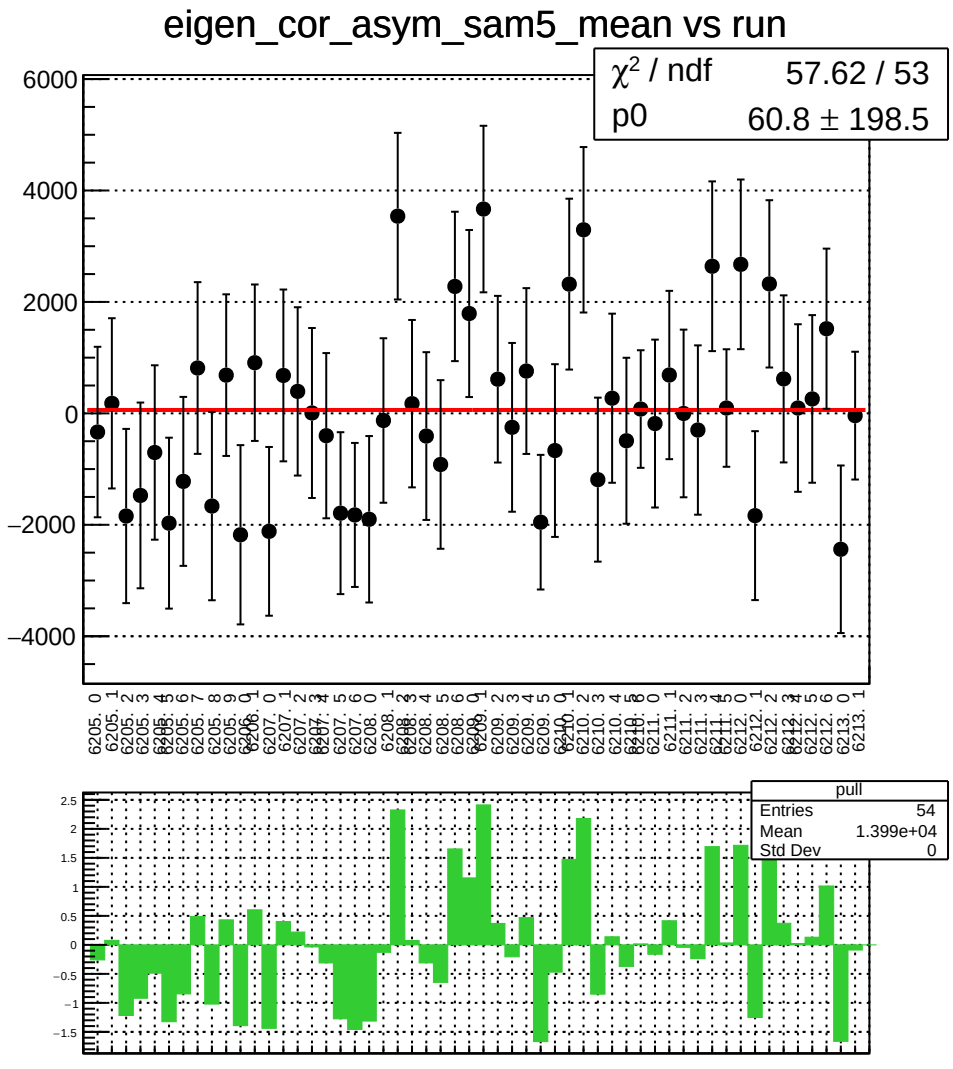
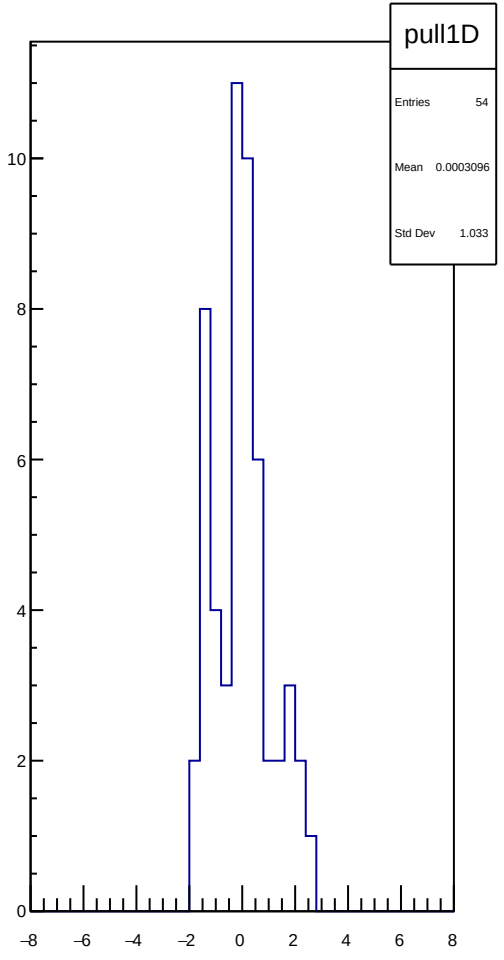
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

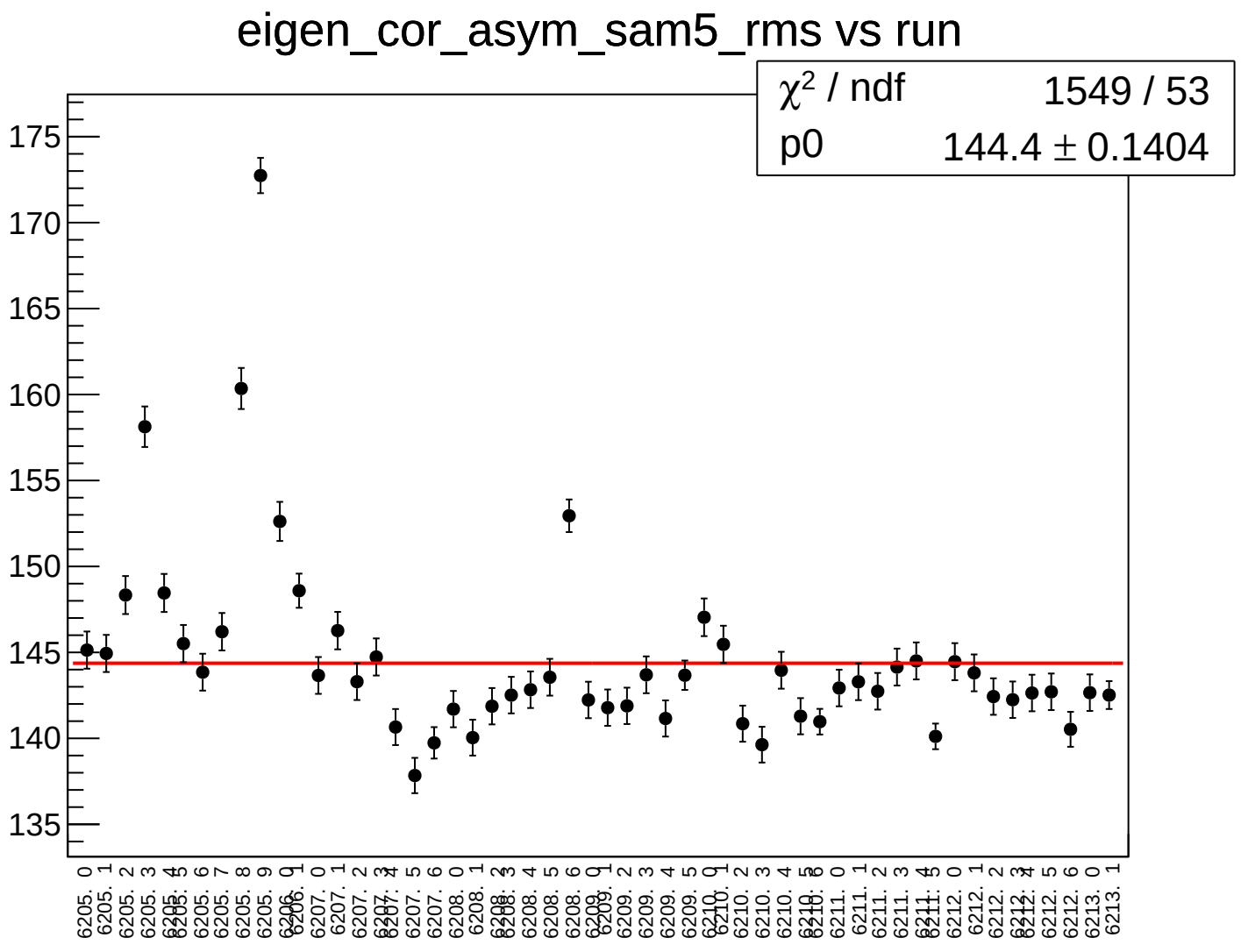

asym_sam5_cor_correction_mean vs run
χ² / ndf 50.39 / 53
p0 3078 ± 2029
pull
Entries 54
Mean 104.7
Std Dev 0

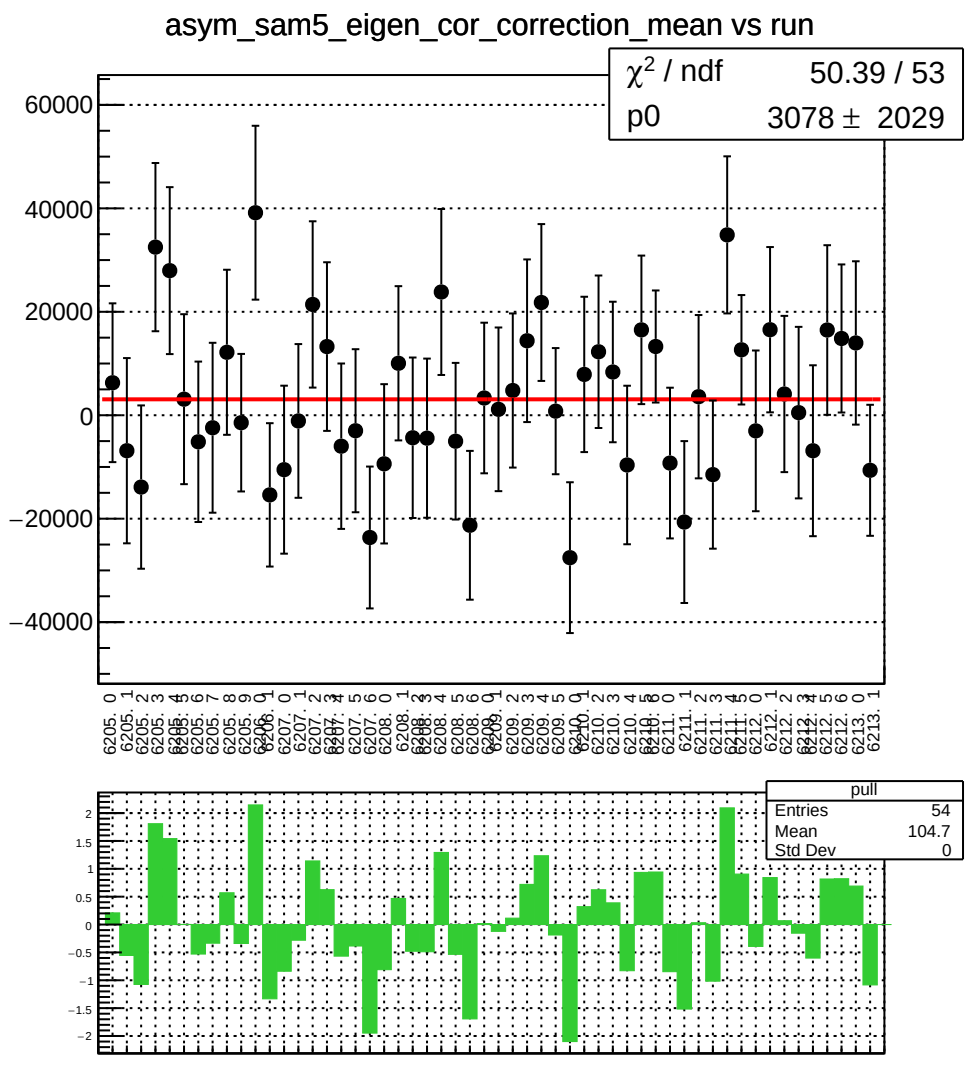

pull1D
Entries 54
Mean 0.00626
Std Dev 0.9659

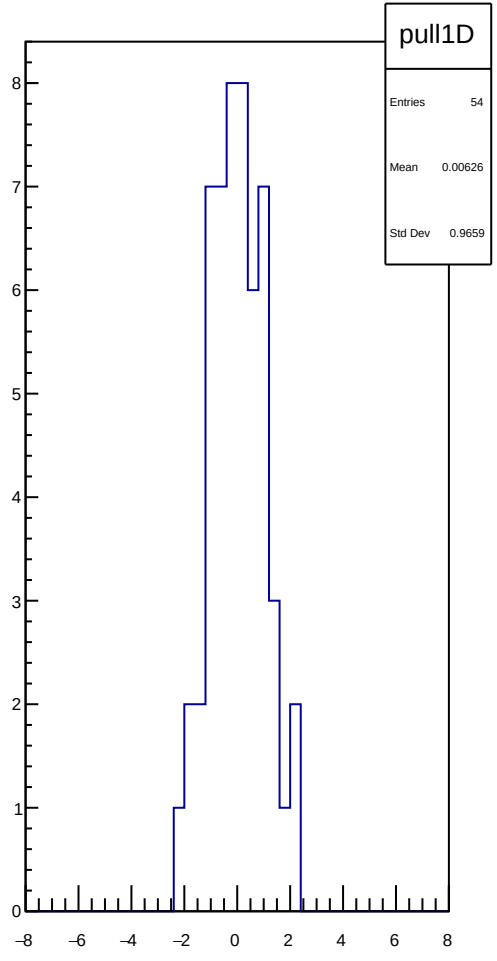

asym_sam5_cor_correction_rms vs run
χ² / ndf 2732 / 53
p0 1475 ± 1.435
1700
1600
1500
1400
1300
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

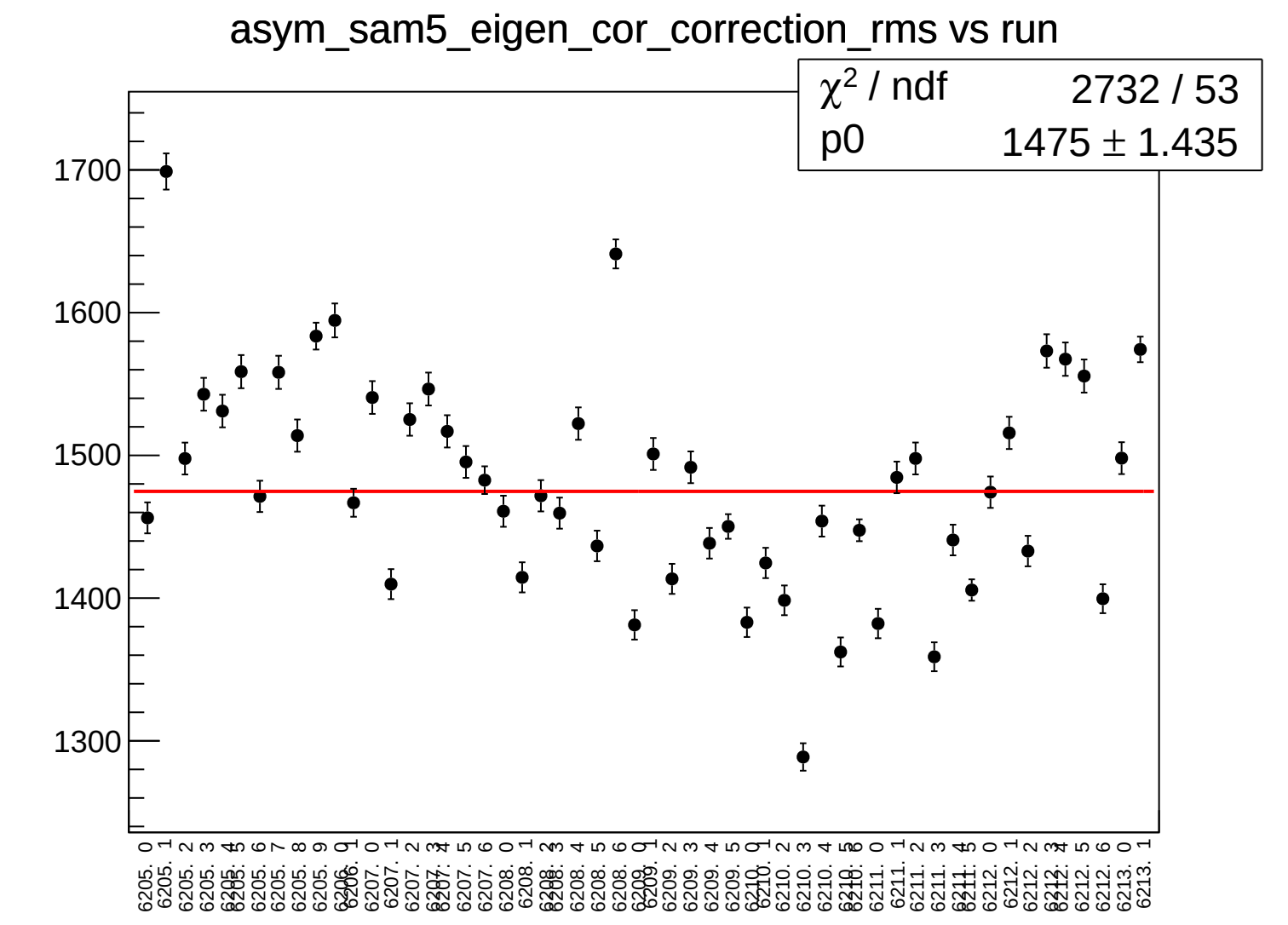

eigen_cor_asym_sam5_mean vs run
χ² / ndf 57.62 / 53
p0 60.8 ± 198.5
pull
Entries 54
Mean 1.399e+04
Std Dev 0

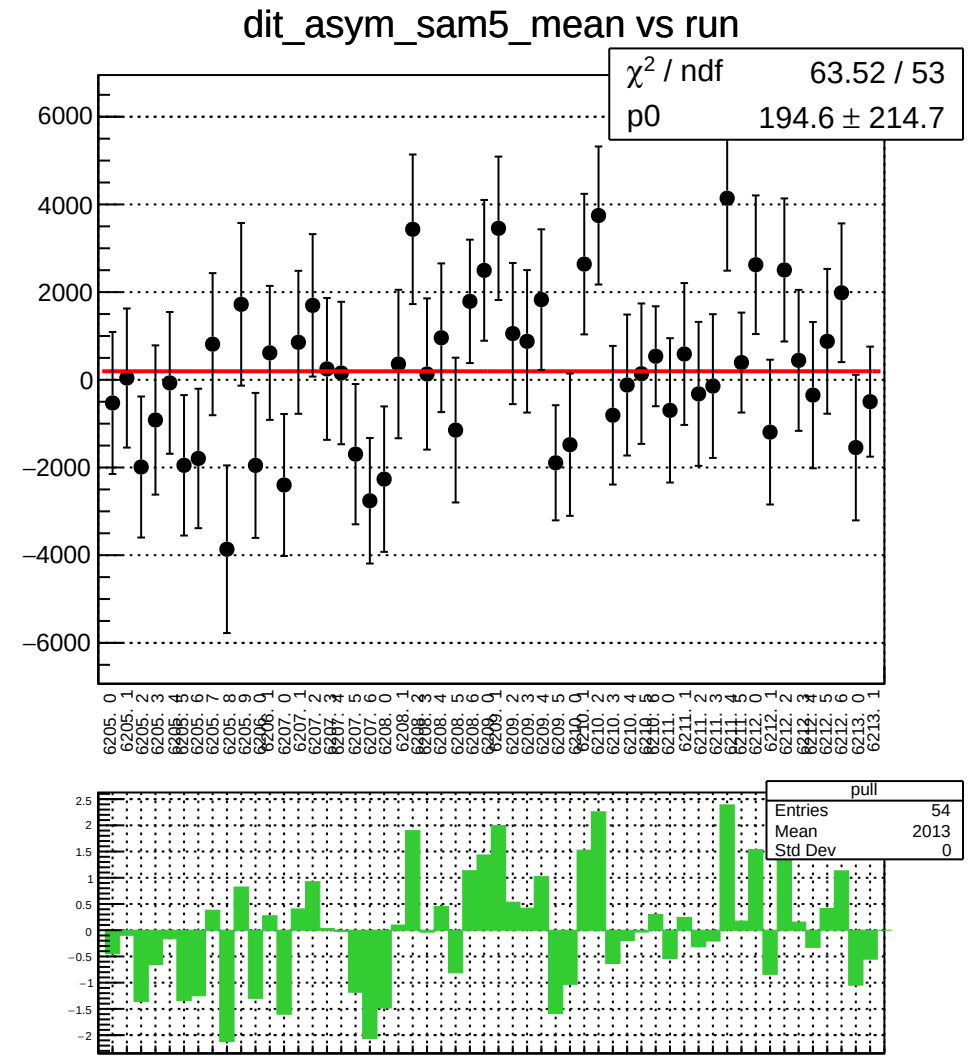

pull1D
Entries 54
Mean 0.0003096
Std Dev 1.033

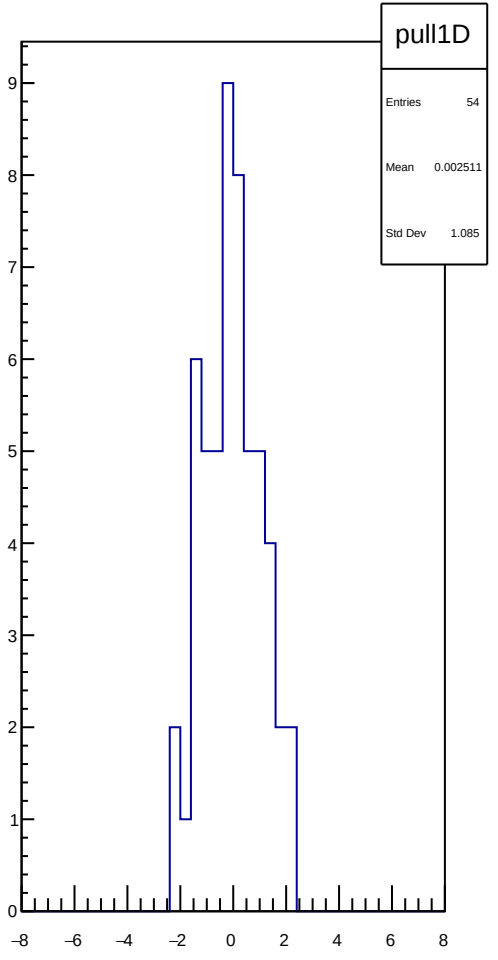

eigen_cor_asym_sam5_rms vs run
χ² / ndf 1549 / 53
p0 144.4 ± 0.1404
175
170
165
160
155
150
145
140
135
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

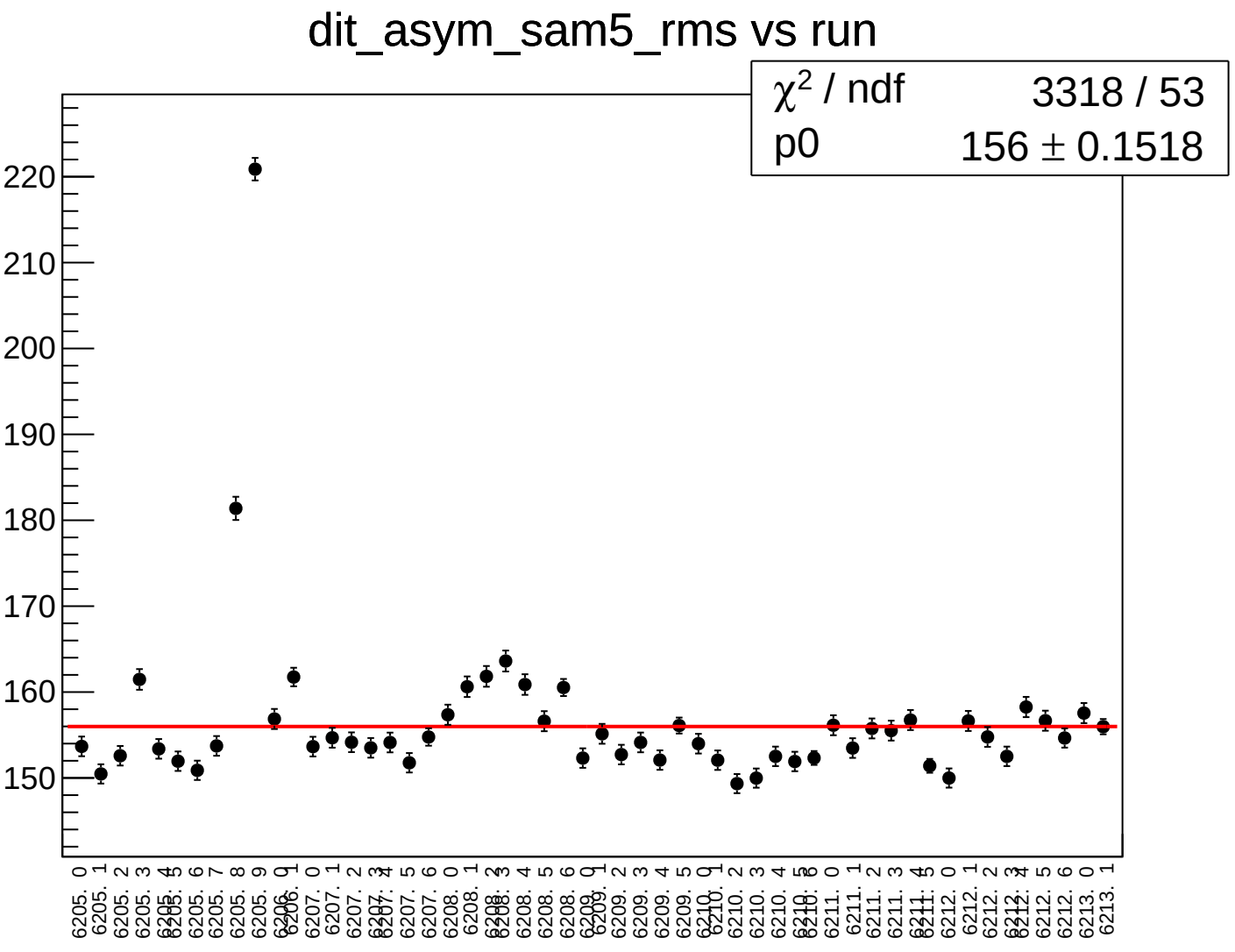

asym_sam5_eigen_cor_correction_mean vs run
χ² / ndf 50.39 / 53
p0 3078 ± 2029
pull
Entries 54
Mean 104.7
Std Dev 0

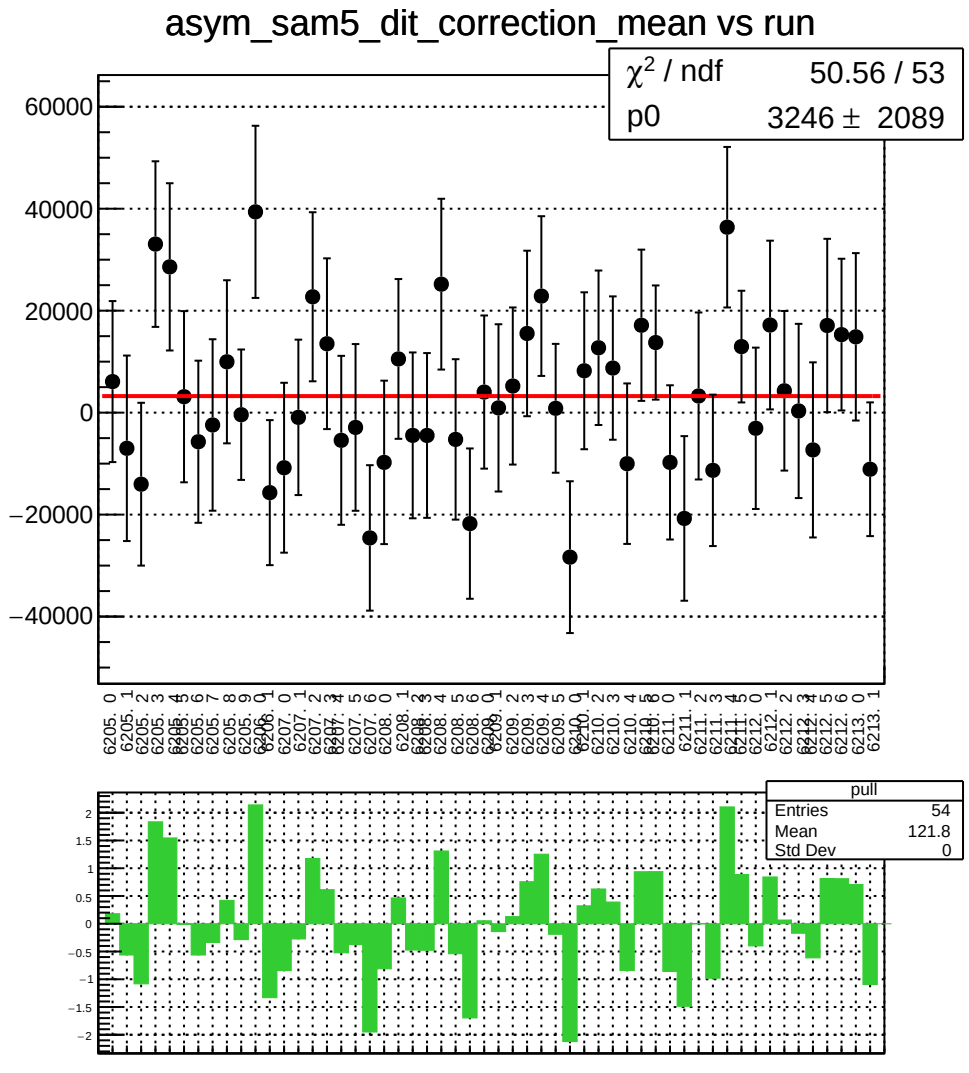

pull1D
Entries 54
Mean 0.00626
Std Dev 0.9659

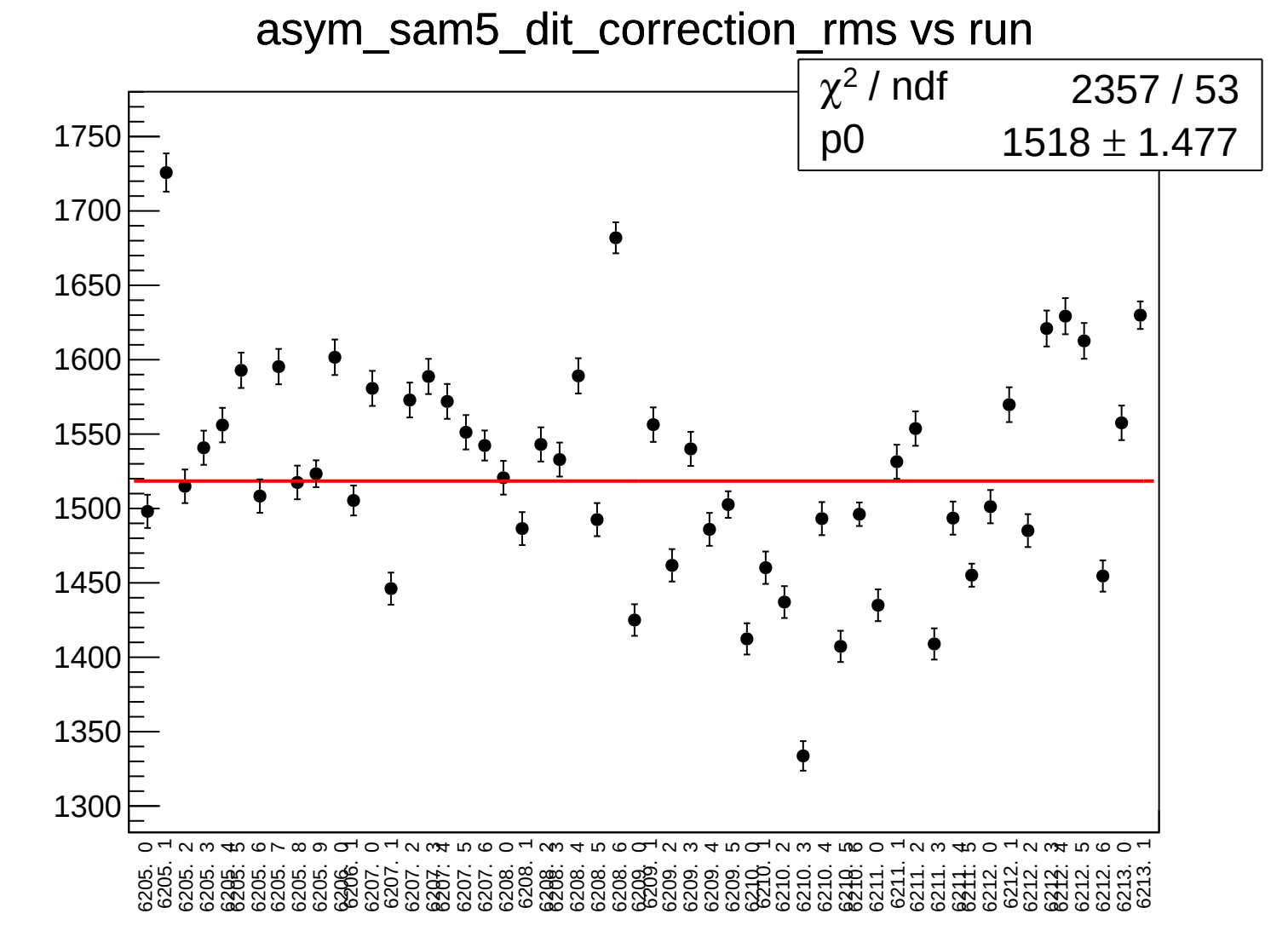

asym_sam5_eigen_cor_correction_rms vs run
χ² / ndf 2732 / 53
p0 1475 ± 1.435
1700
1600
1500
1400
1300
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

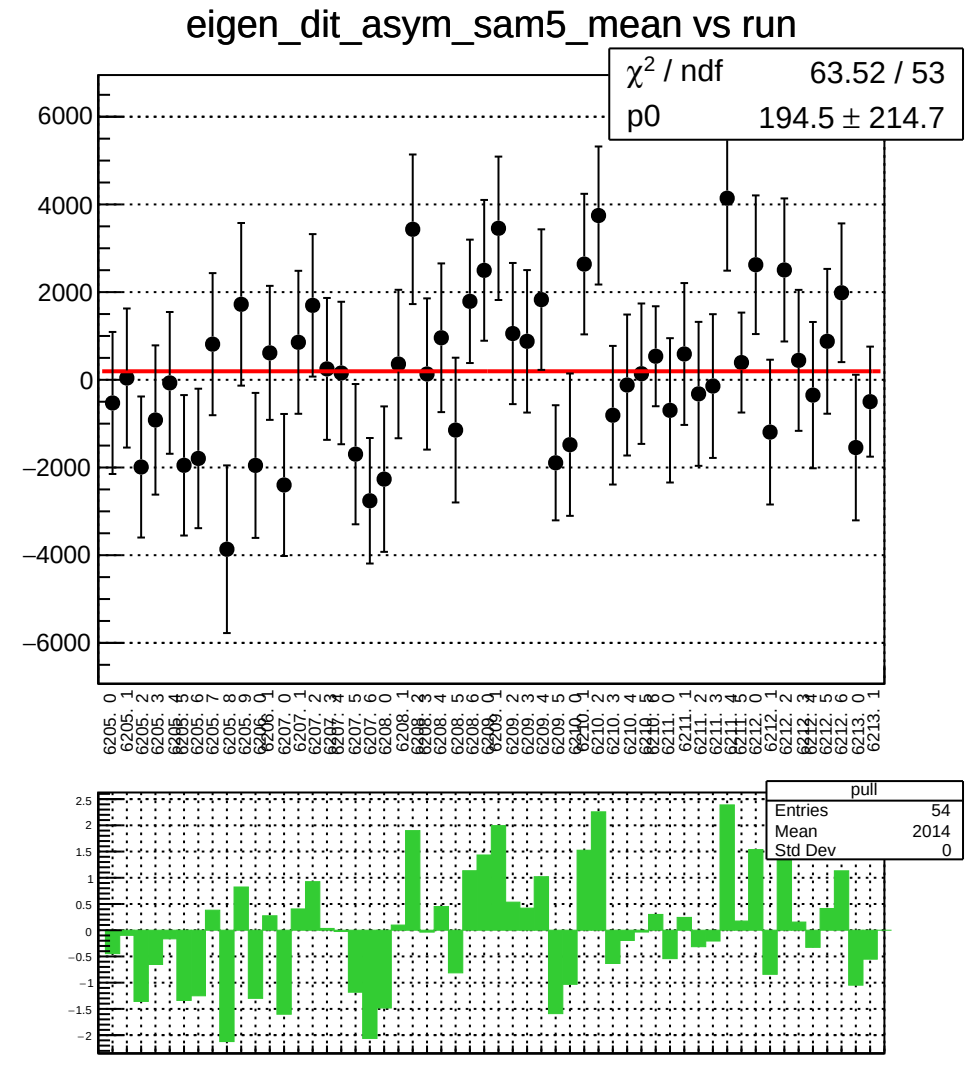

dit_asym_sam5_mean vs run
χ² / ndf 63.52 / 53
p0 194.6 ± 214.7
pull
Entries 54
Mean 2013
Std Dev 0

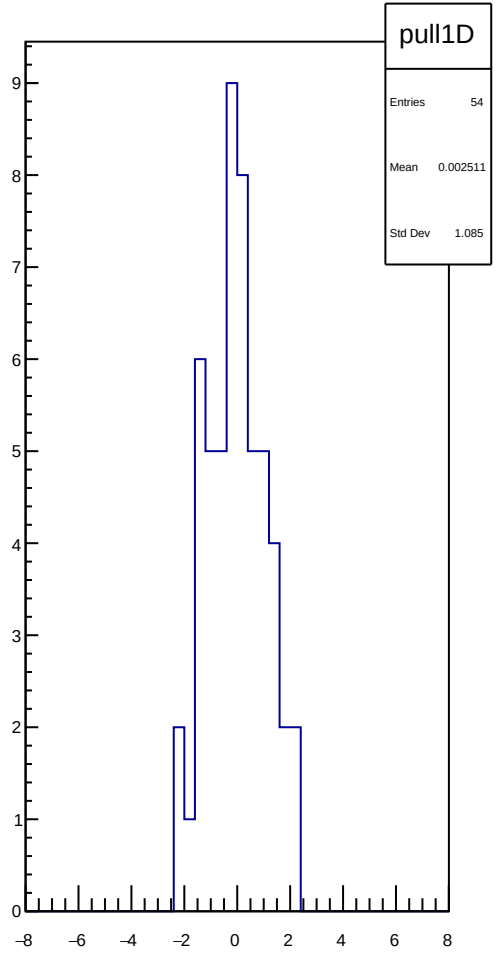

pull1D
Entries 54
Mean 0.002511
Std Dev 1.085

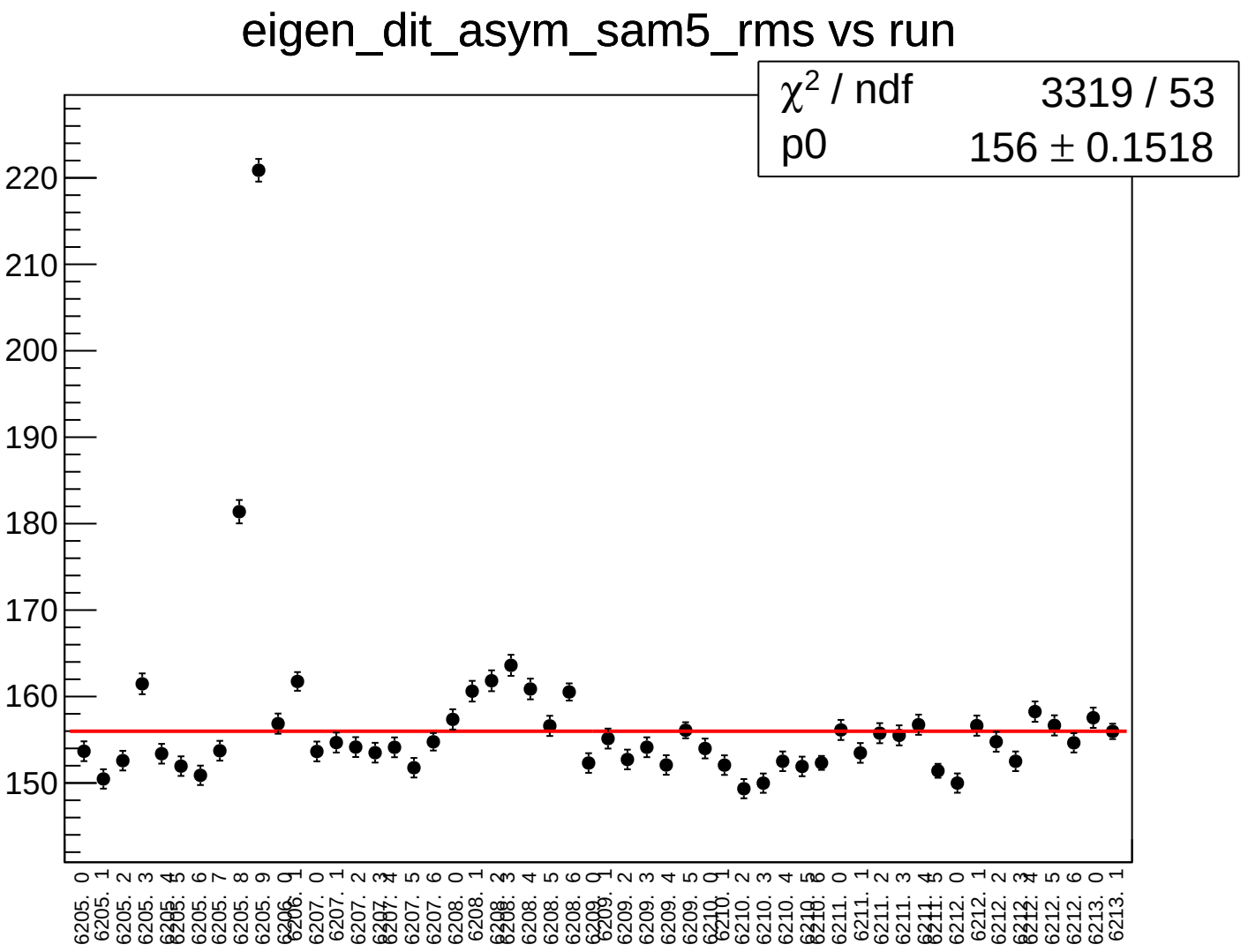

dit_asym_sam5_rms vs run
χ² / ndf 3318 / 53
p0 156 ± 0.1518
220
210
200
190
180
170
160
150
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

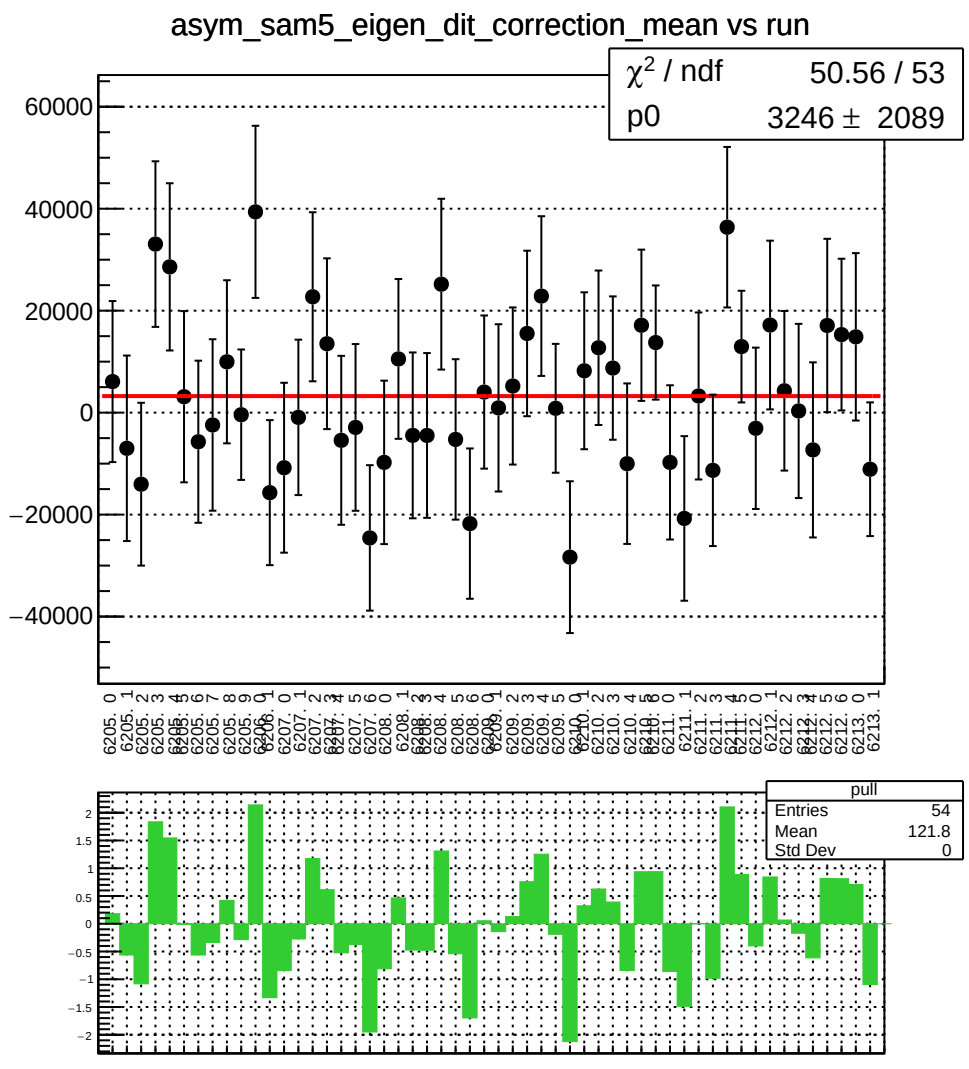

asym_sam5_dit_correction_mean vs run
χ² / ndf 50.56 / 53
p0 3246 ± 2089
pull
Entries 54
Mean 121.8
Std Dev 0
pull1D
Entries 54
Mean 0.005418
Std Dev 0.9676

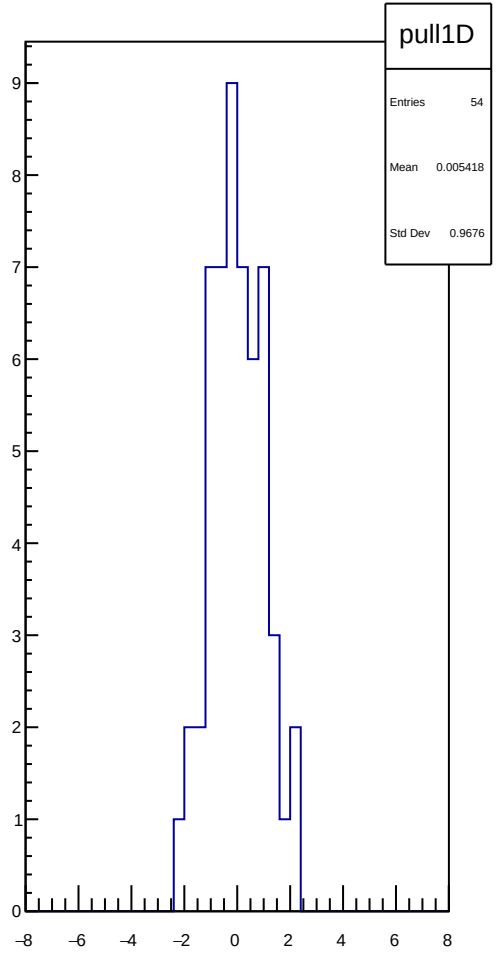

asym_sam5_dit_correction_rms vs run
χ² / ndf 2357 / 53
p0 1518 ± 1.477
1750
1700
1650
1600
1550
1500
1450
1400
1350
1300
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

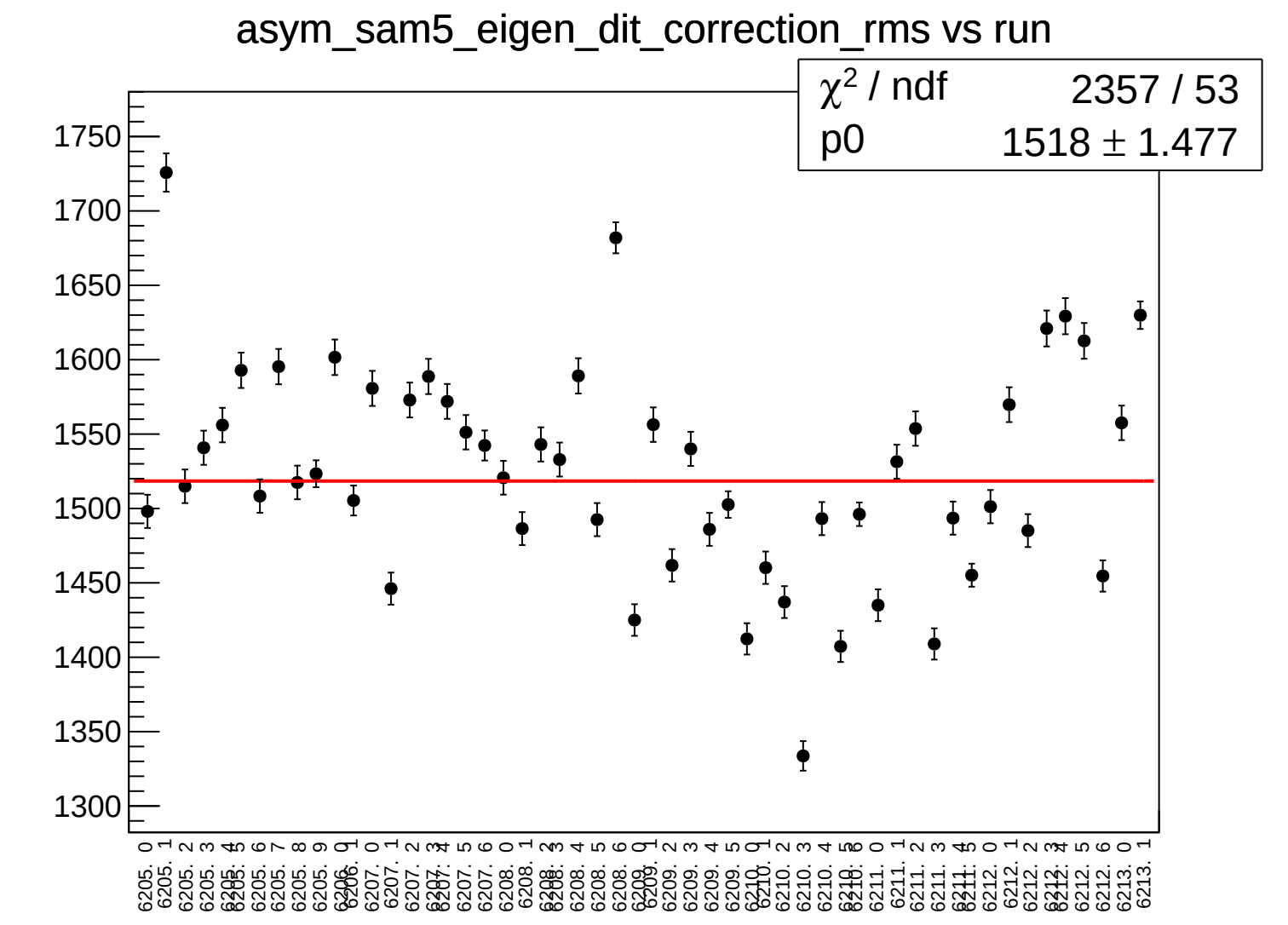

eigen_dit_asym_sam5_mean vs run
χ² / ndf 63.52 / 53
p0 194.5 ± 214.7
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 54
Mean 2014
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

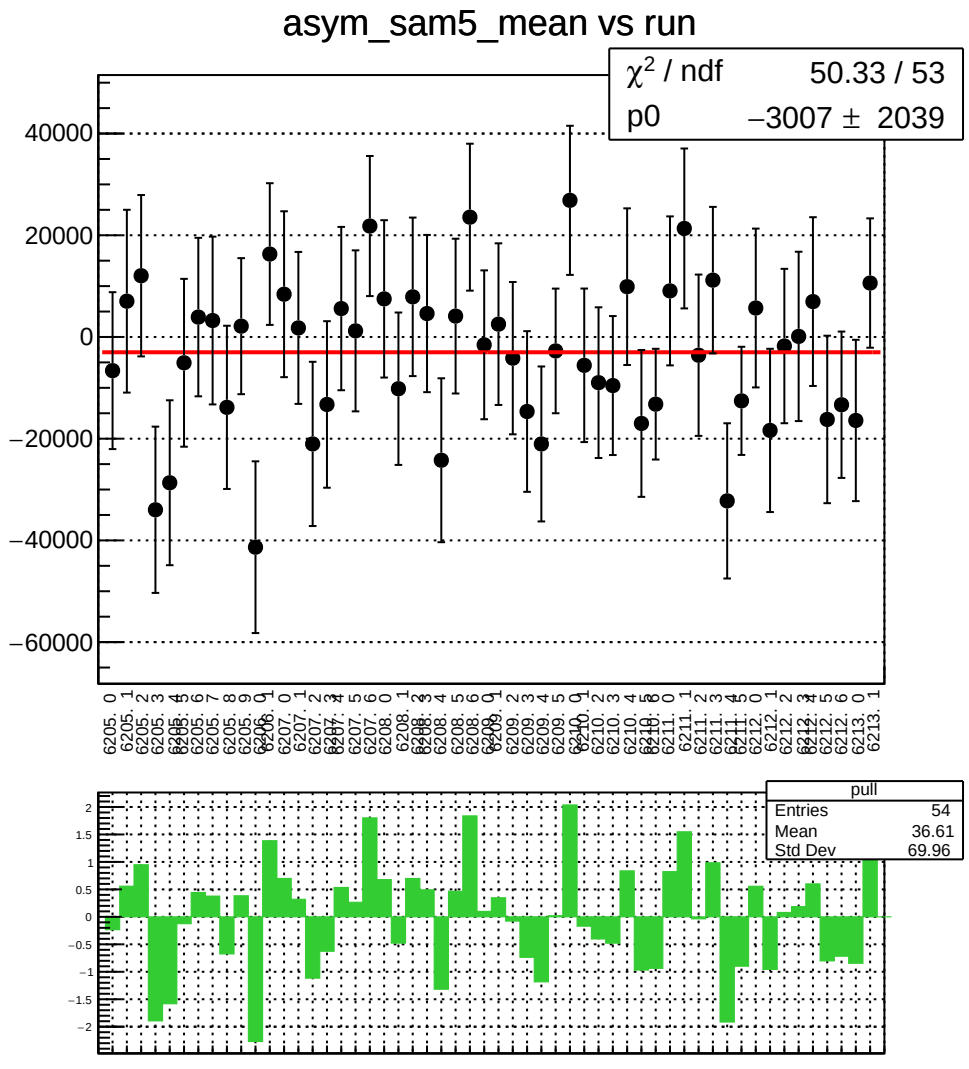

pull1D
Entries 54
Mean 0.002511
Std Dev 1.085
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

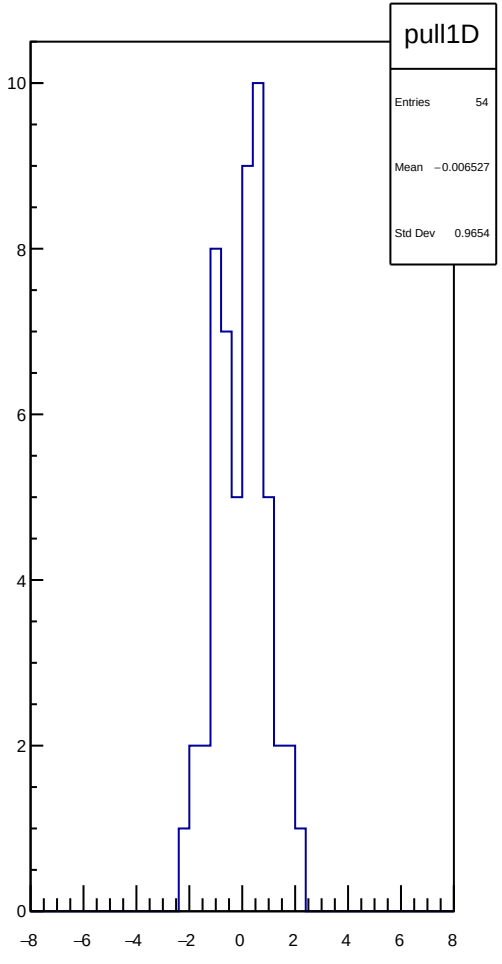

eigen_dit_asym_sam5_rms vs run
χ² / ndf 3319 / 53
p0 156 ± 0.1518
220
210
200
190
180
170
160
150
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

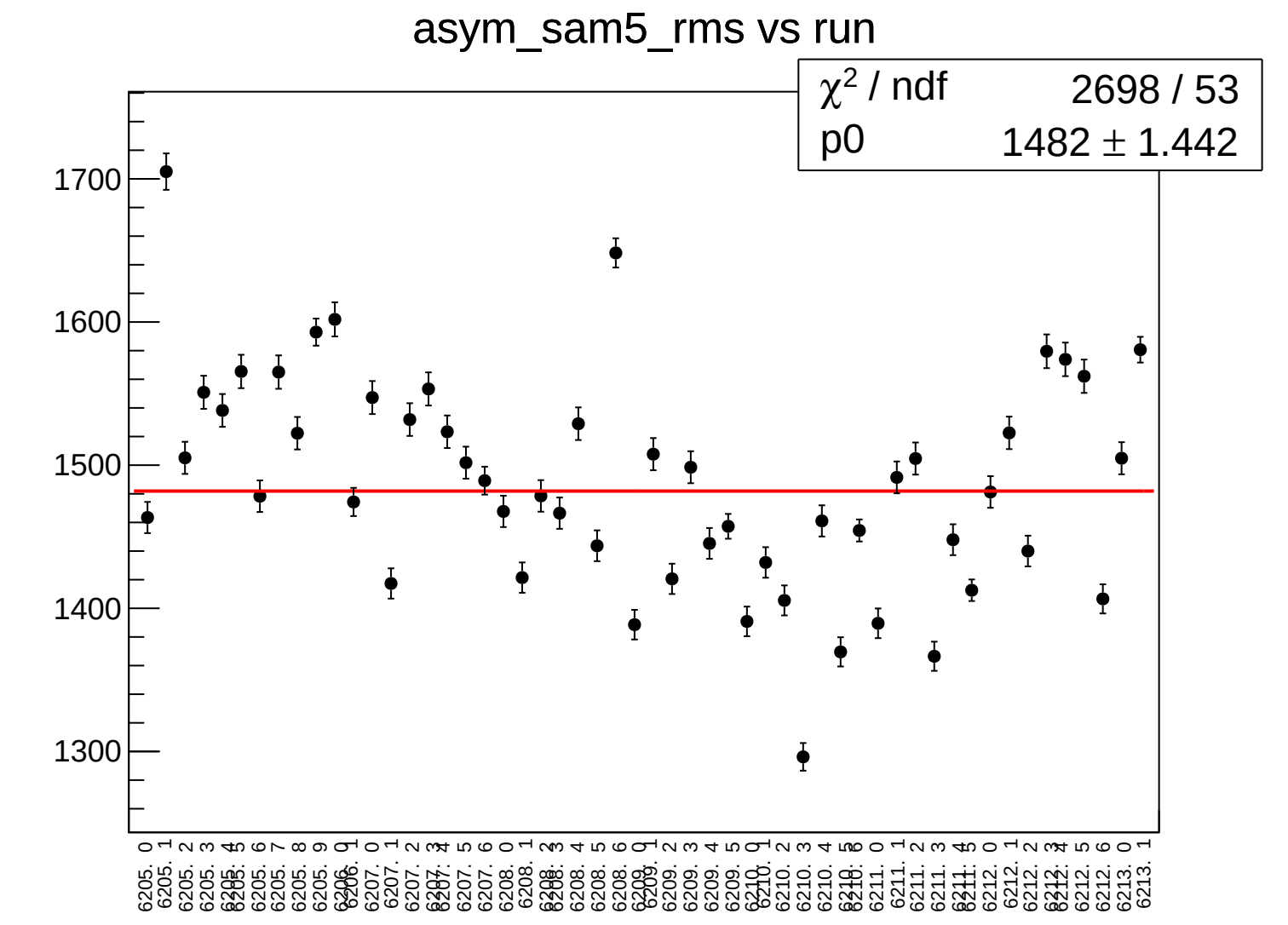

asym_sam5_eigen_dit_correction_mean vs run
χ² / ndf 50.56 / 53
p0 3246 ± 2089
60000
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 121.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

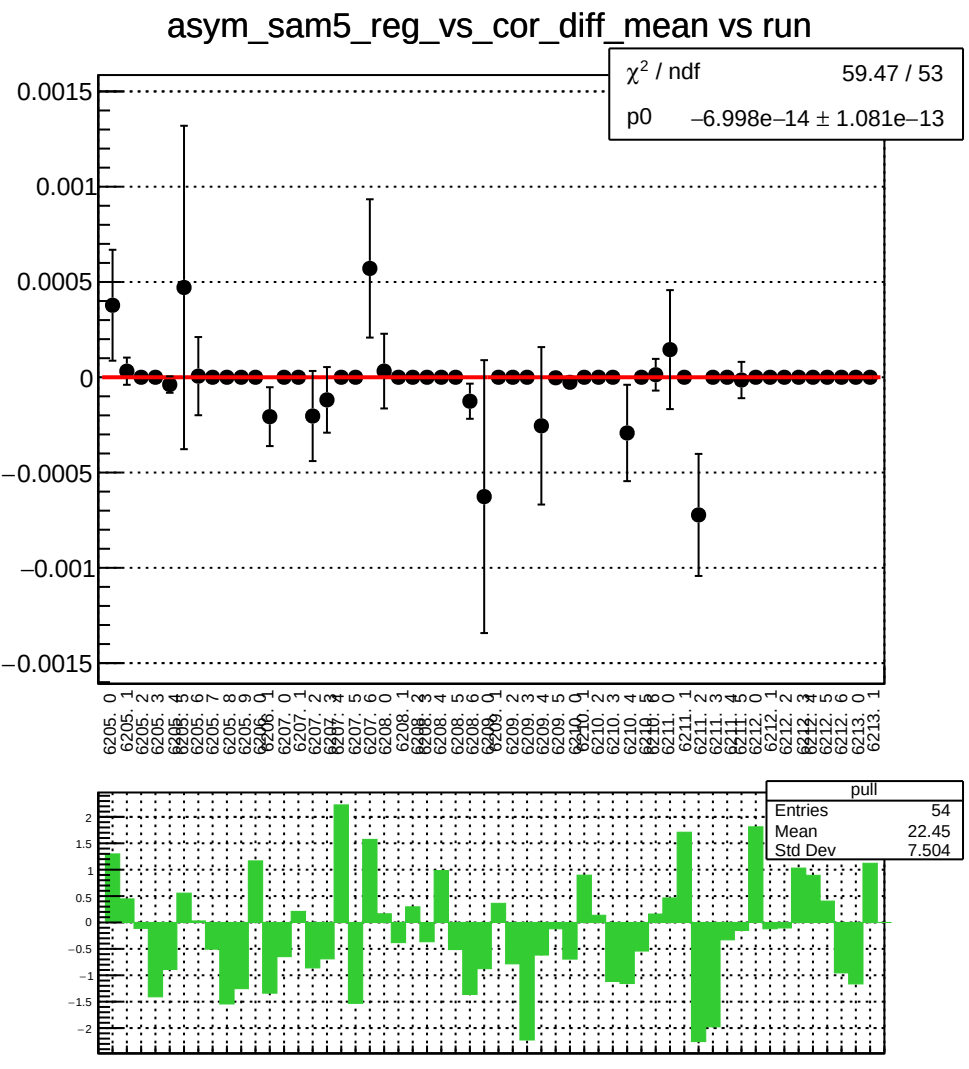

pull1D
Entries 54
Mean 0.005418
Std Dev 0.9676
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

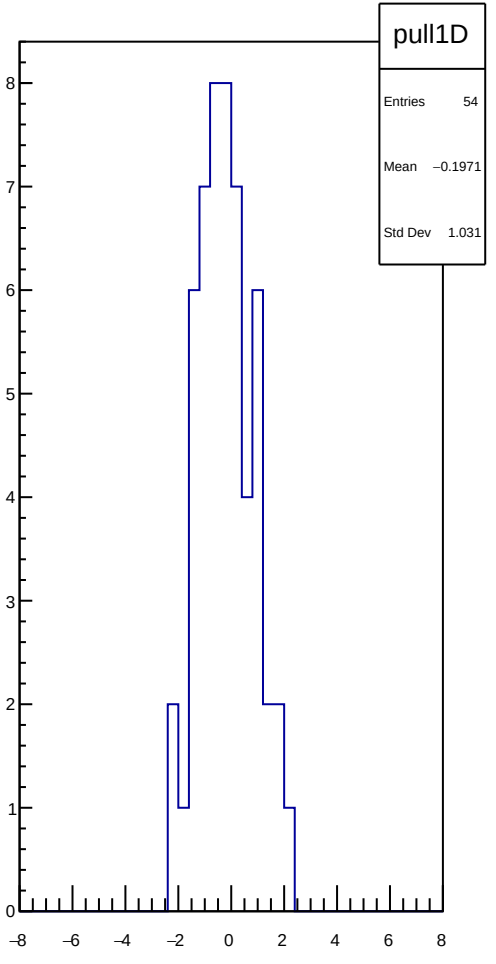

asym_sam5_eigen_dit_correction_rms vs run
χ² / ndf 2357 / 53
p0 1518 ± 1.477
1750
1700
1650
1600
1550
1500
1450
1400
1350
1300
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 1
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

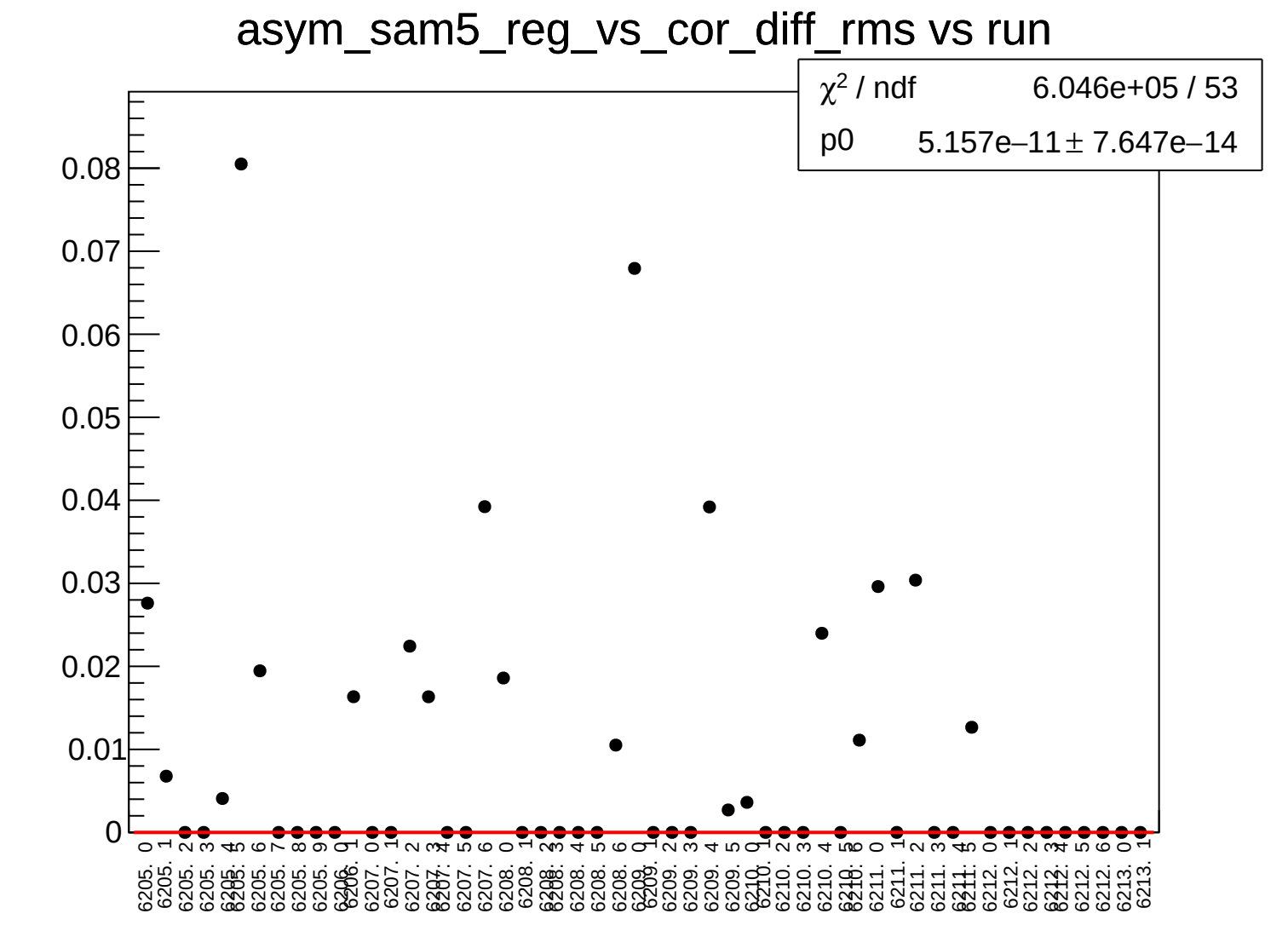

asym_sam5_mean vs run
χ² / ndf 50.33 / 53
p0 −3007 ± 2039
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 36.61
Std Dev 69.96
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

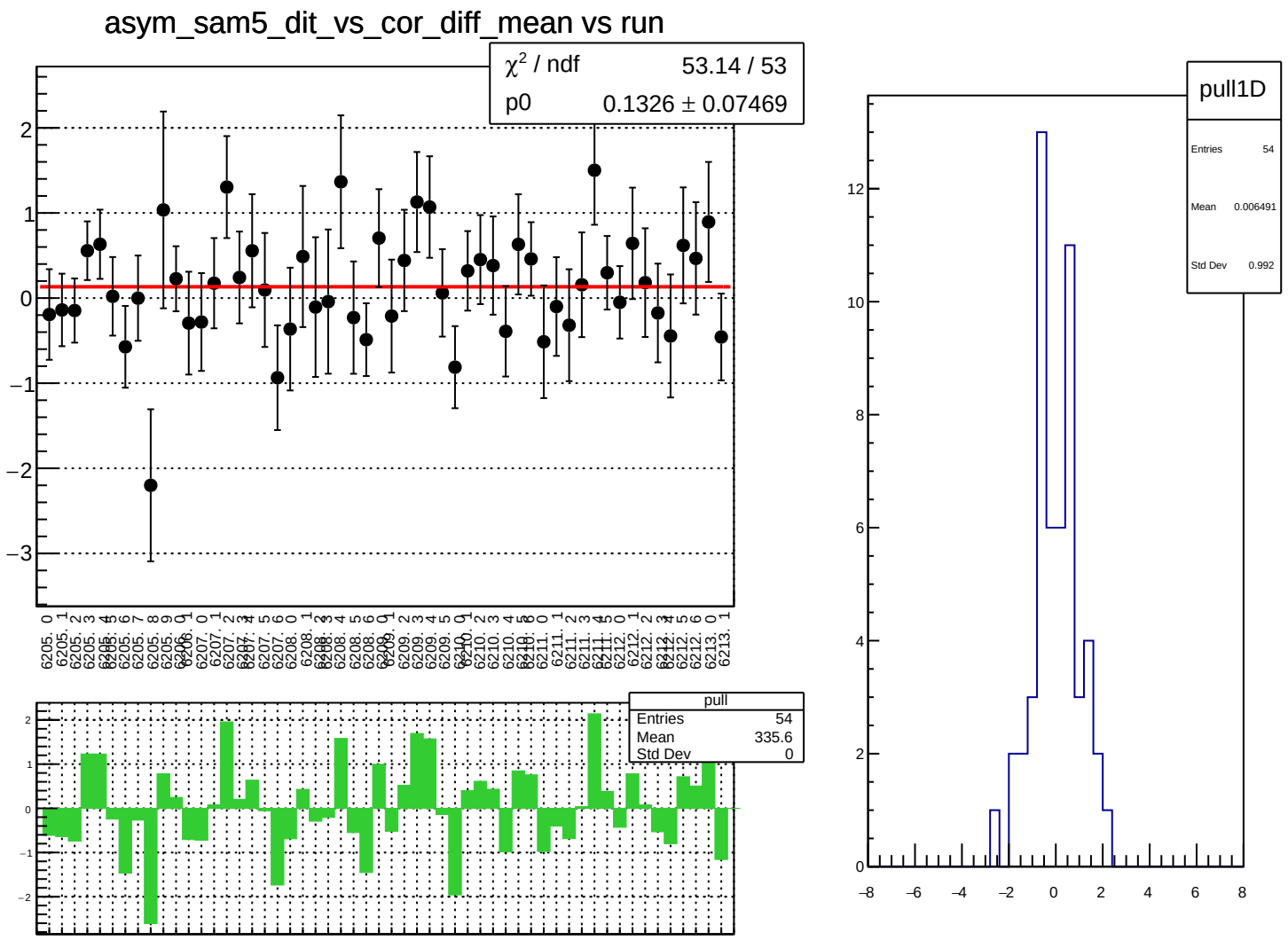

pull1D
Entries 54
Mean −0.006527
Std Dev 0.9654
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

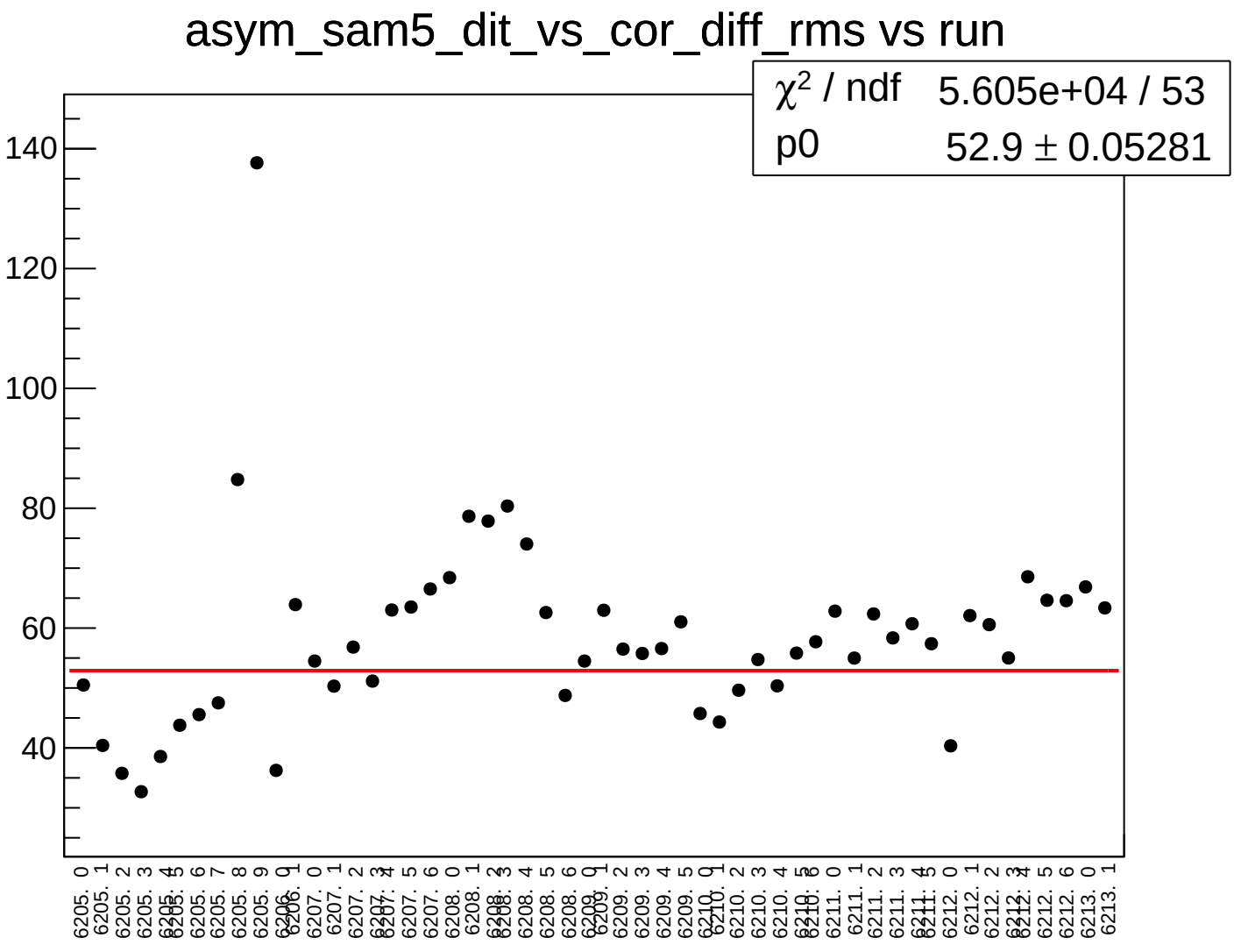

asym_sam5_rms vs run
χ² / ndf 2698 / 53
p0 1482 ± 1.442
1700
1600
1500
1400
1300
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

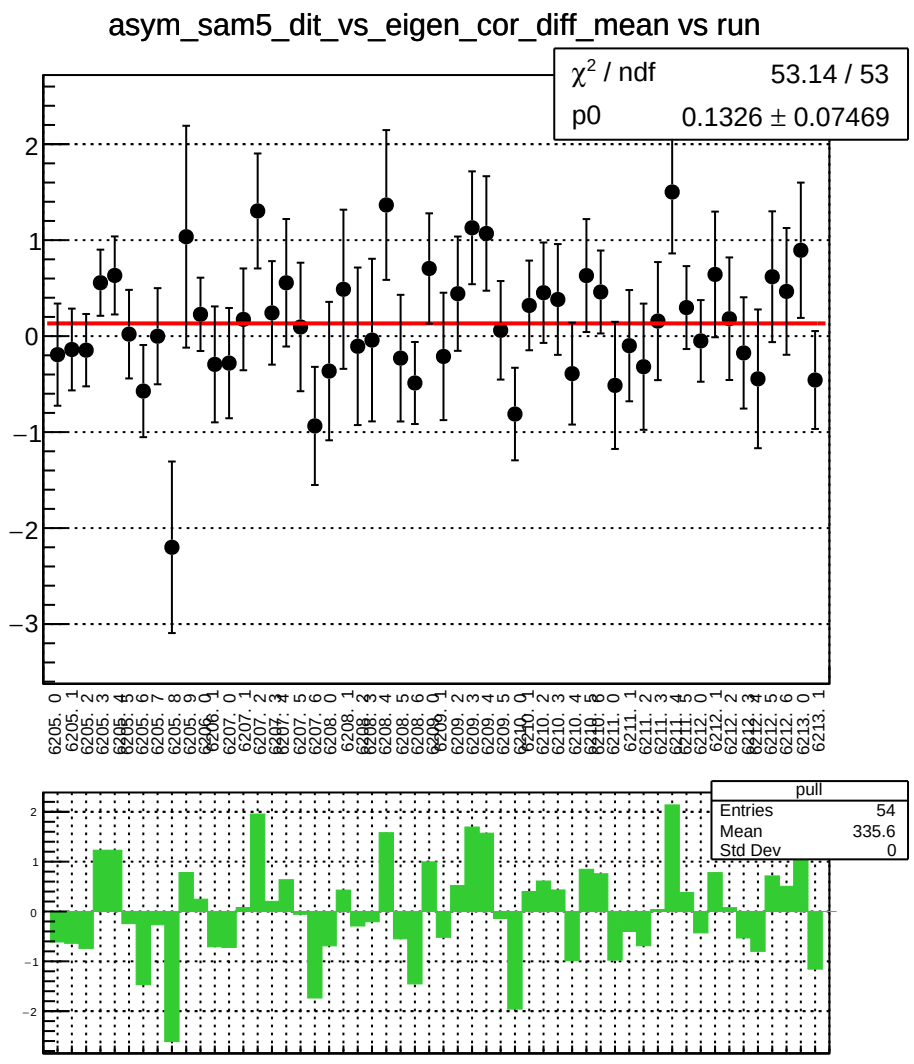

asym_sam5_reg_vs_cor_diff_mean vs run
χ² / ndf 59.47 / 53
p0 −6.998e−14 ± 1.081e−13
0.0015
0.001
0.0005
0
−0.0005
−0.001
−0.0015
pull
Entries 54
Mean 22.45
Std Dev 7.504
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

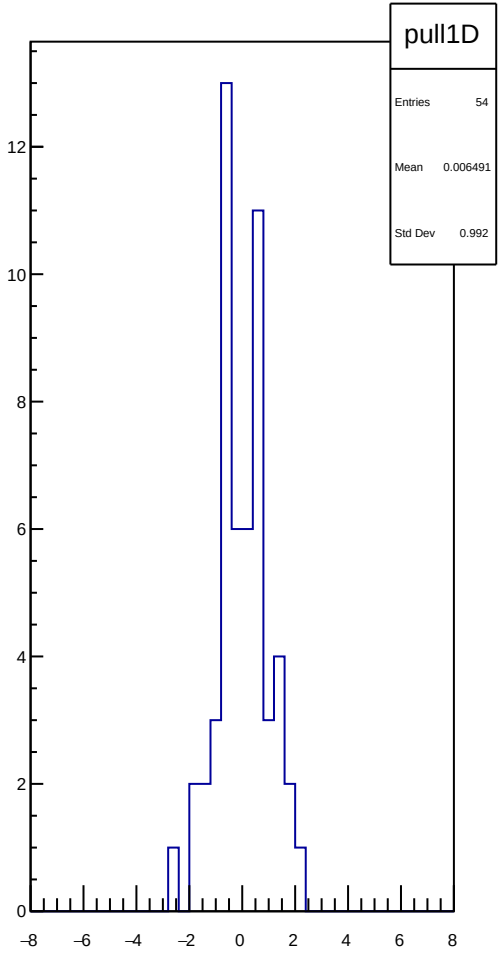

pull1D
Entries 54
Mean −0.1971
Std Dev 1.031
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

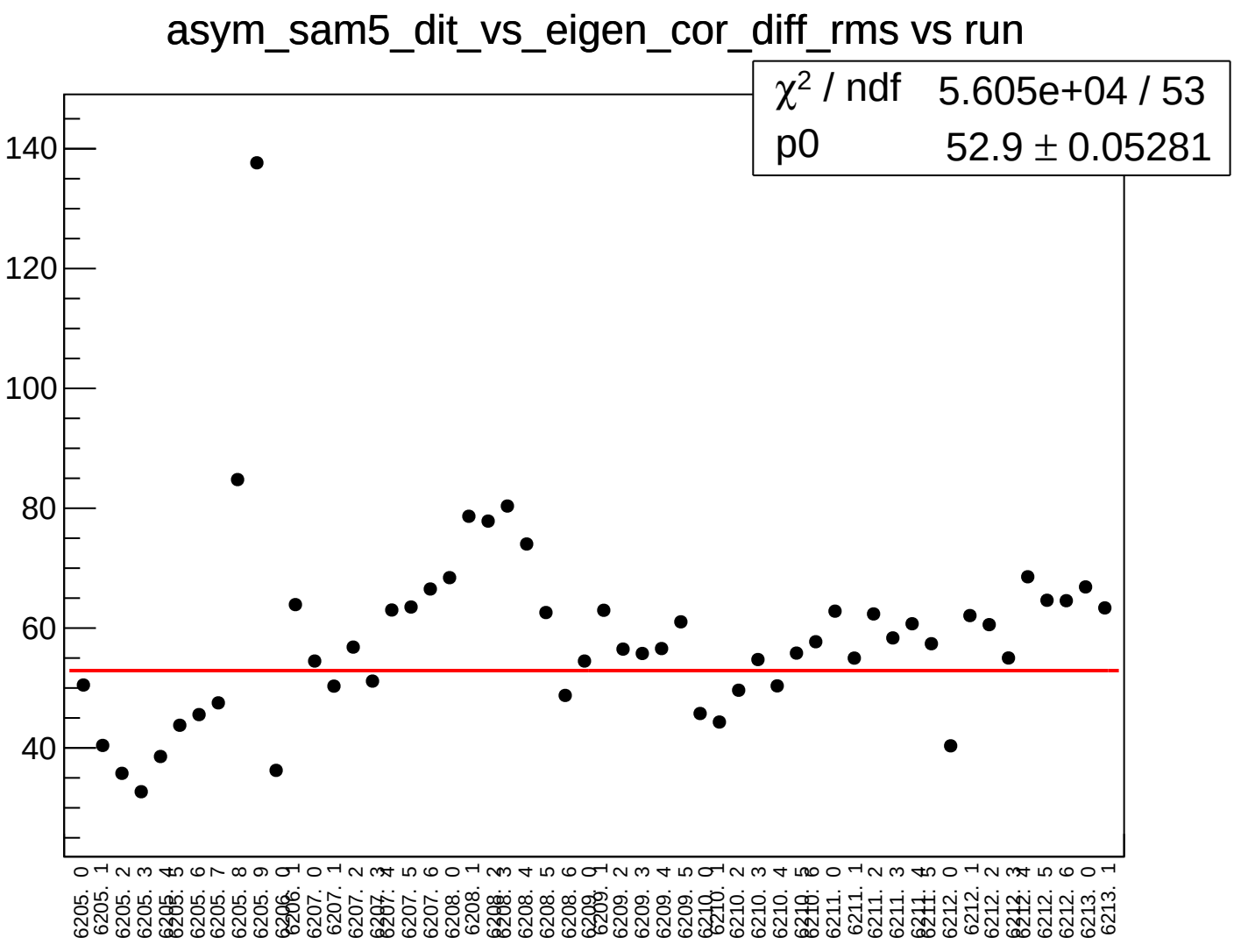

asym_sam5_reg_vs_cor_diff_rms vs run
χ² / ndf 6.046e+05 / 53
p0 5.157e−11 ± 7.647e−14
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0

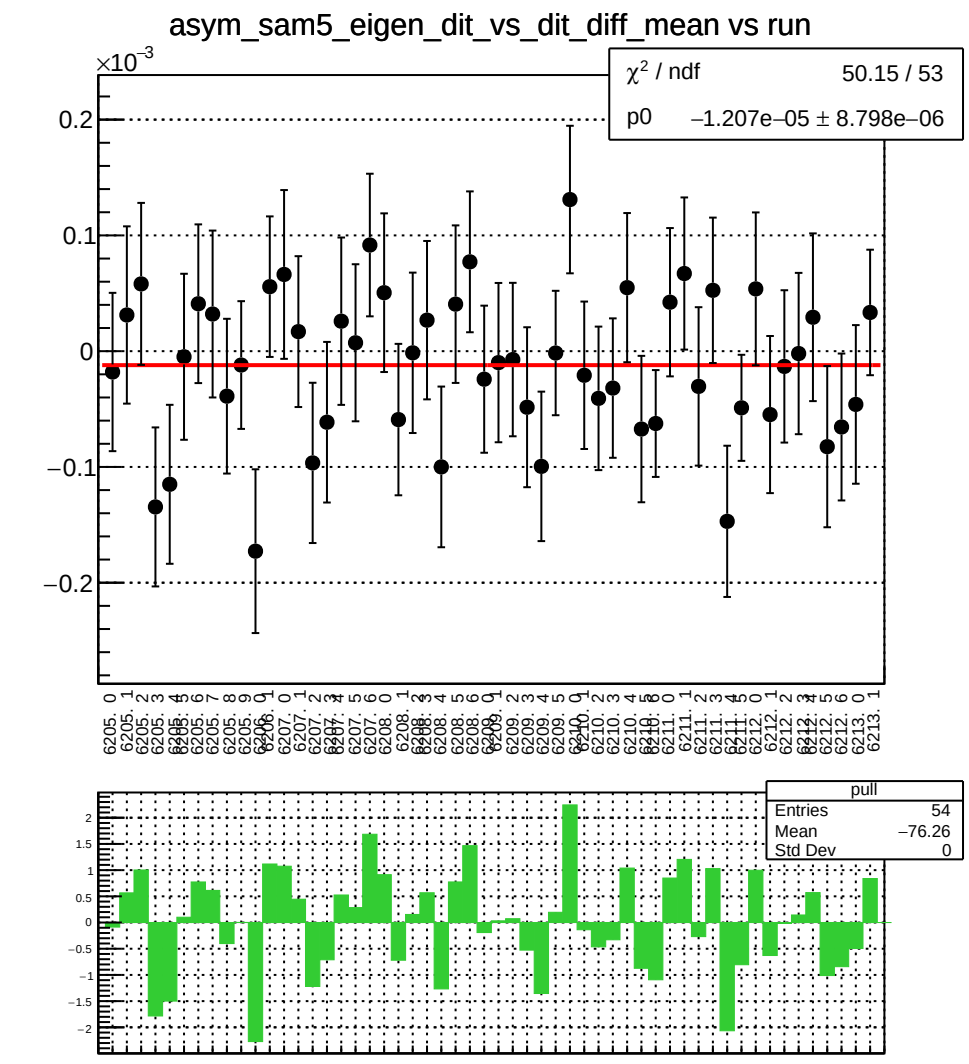

asym_sam5_dit_vs_cor_diff_mean vs run
χ² / ndf 53.14 / 53
p0 0.1326 ± 0.07469
pull
Entries 54
Mean 335.6
Std Dev 0
pull1D
Entries 54
Mean 0.006491
Std Dev 0.992

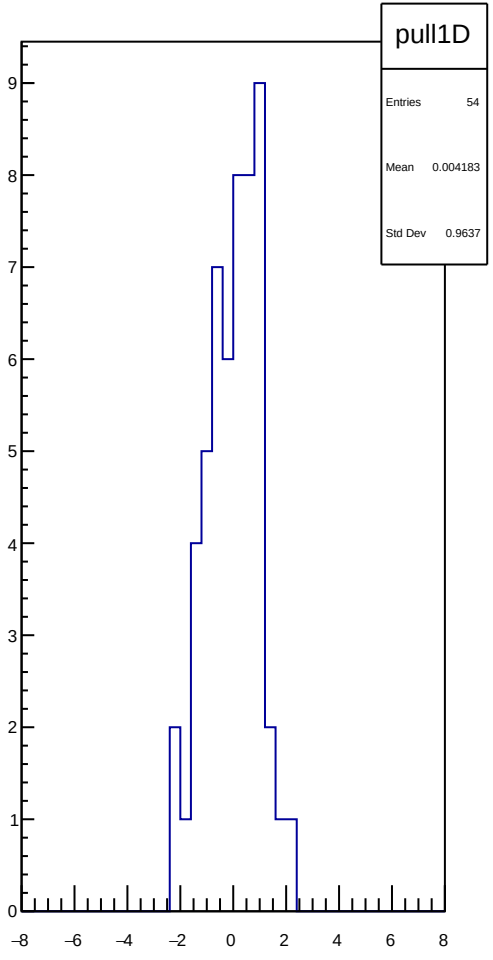

asym_sam5_dit_vs_cor_diff_rms vs run
χ² / ndf 5.605e+04 / 53
p0 52.9 ± 0.05281
140
120
100
80
60
40
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

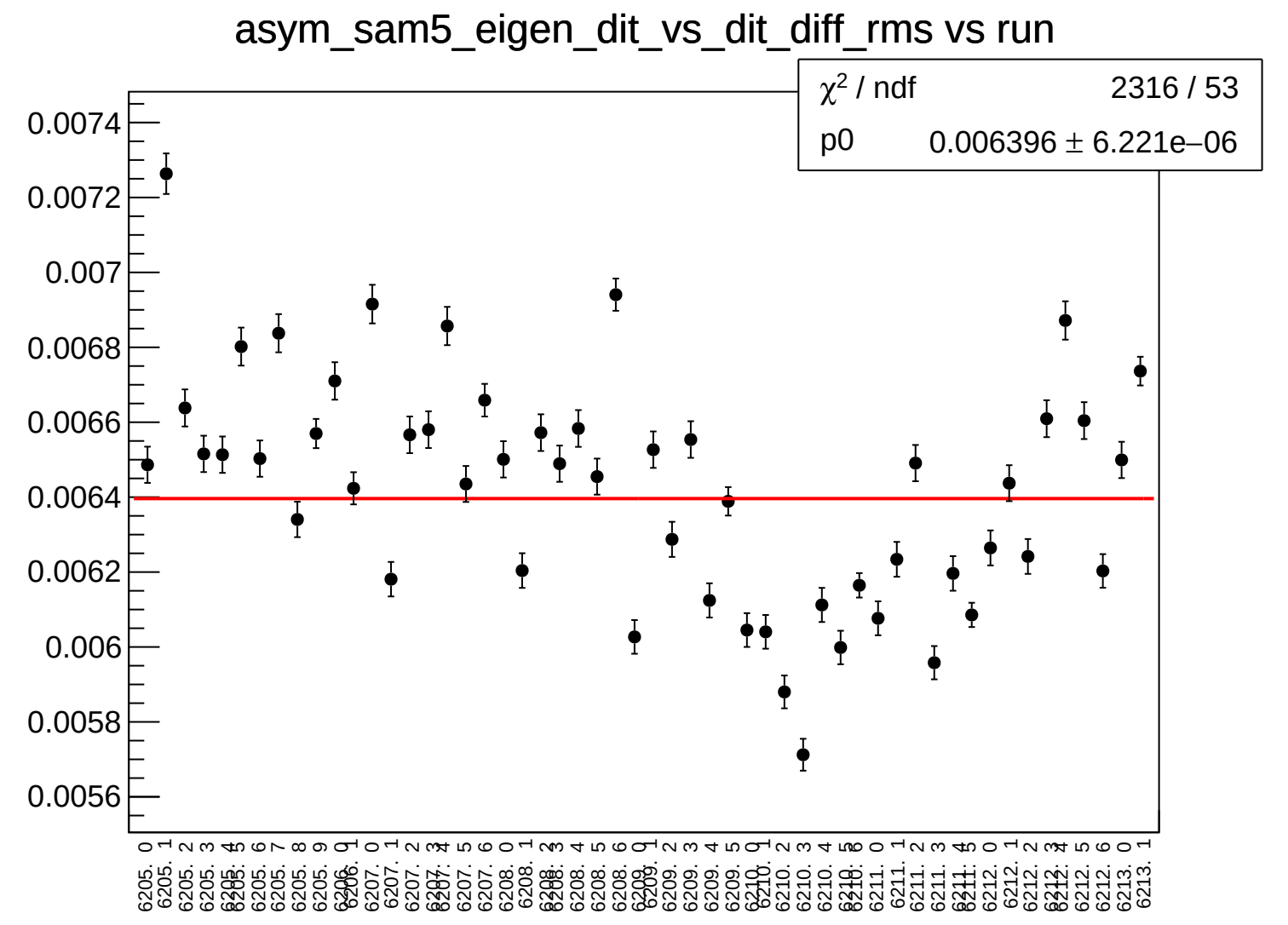

asym_sam5_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 53.14 / 53
p0 0.1326 ± 0.07469
pull
Entries 54
Mean 335.6
Std Dev 0

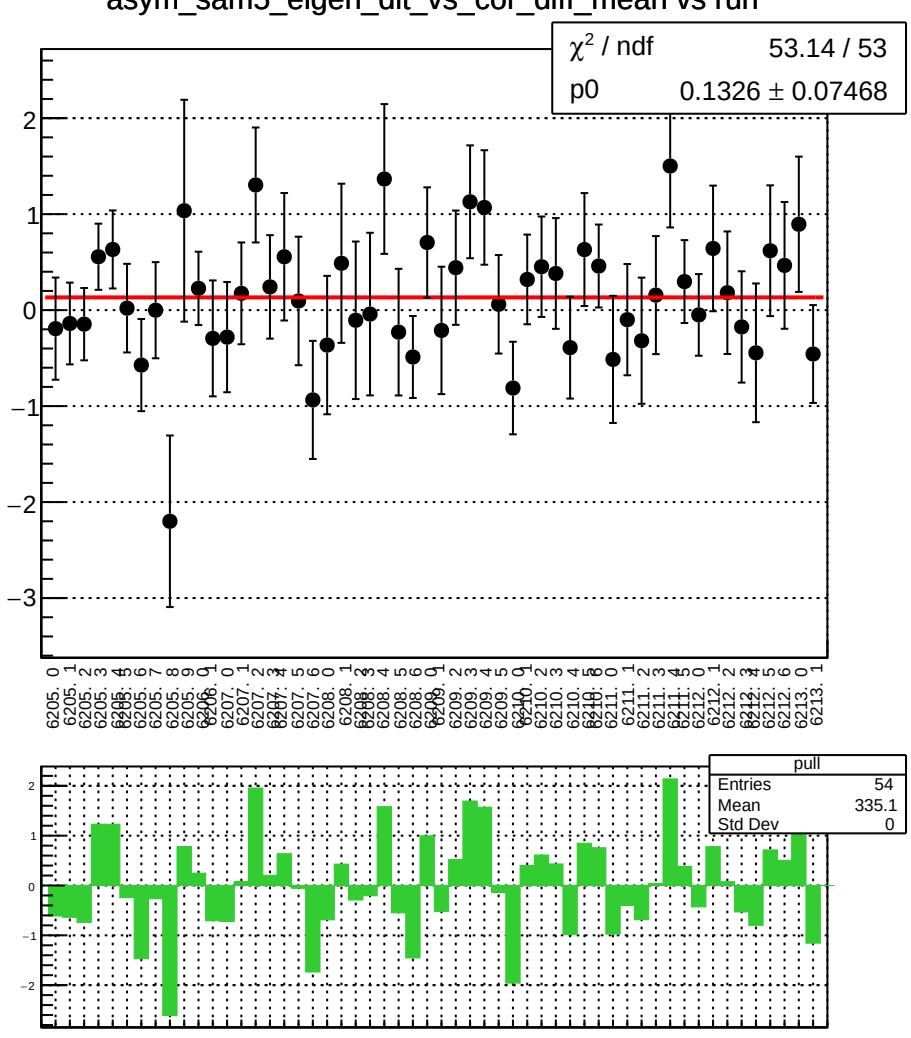

pull1D
Entries 54
Mean 0.006491
Std Dev 0.992

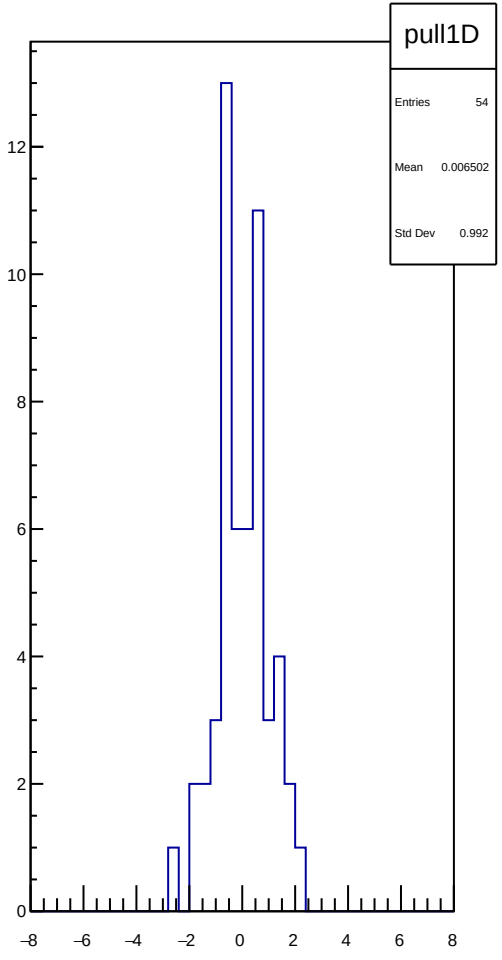

asym_sam5_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.605e+04 / 53
p0 52.9 ± 0.05281
140
120
100
80
60
40
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

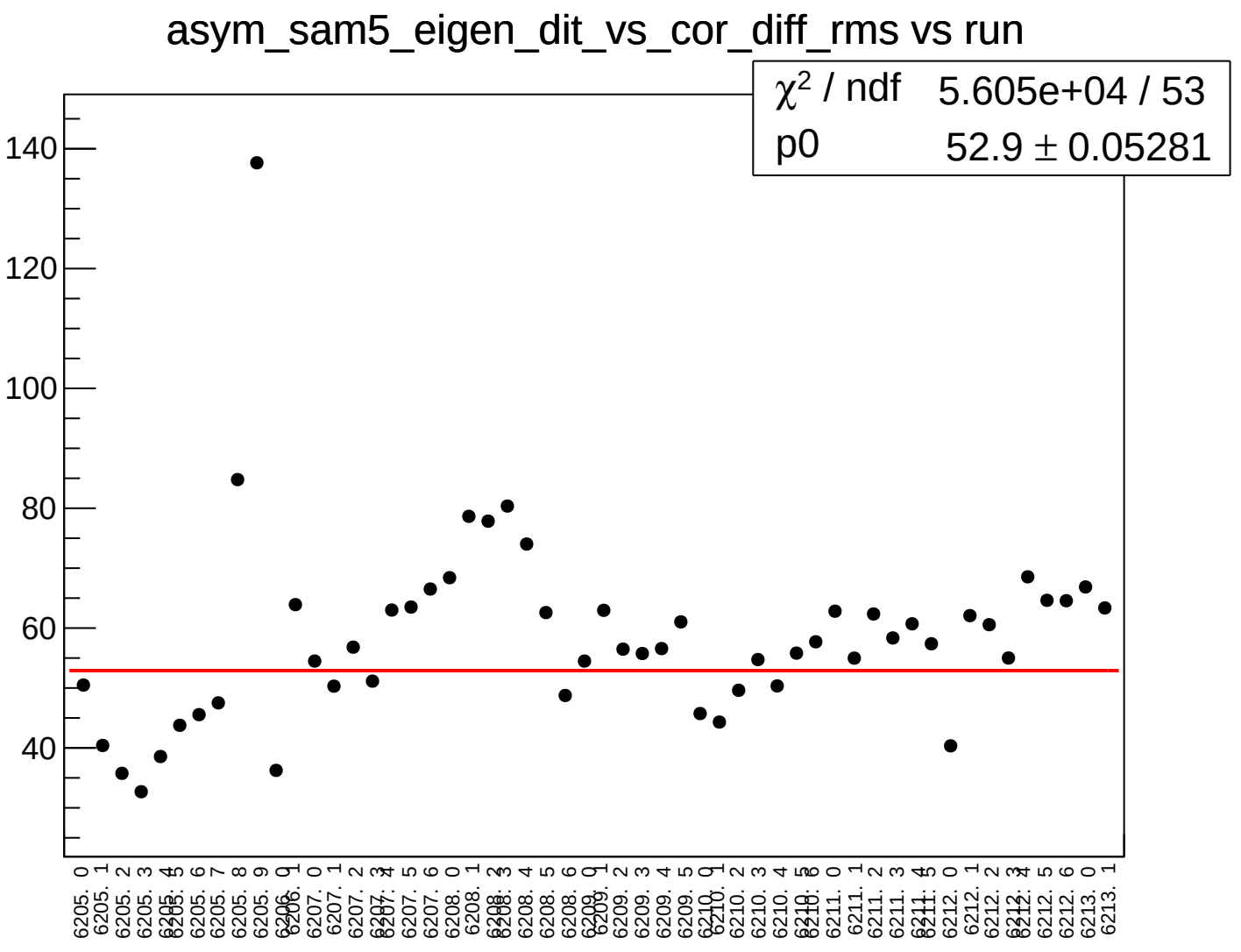

asym_sam5_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 50.15 / 53
p0 −1.207e−05 ± 8.798e−06
0.2
0.1
0
−0.1
−0.2
pull
Entries 54
Mean −76.26
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

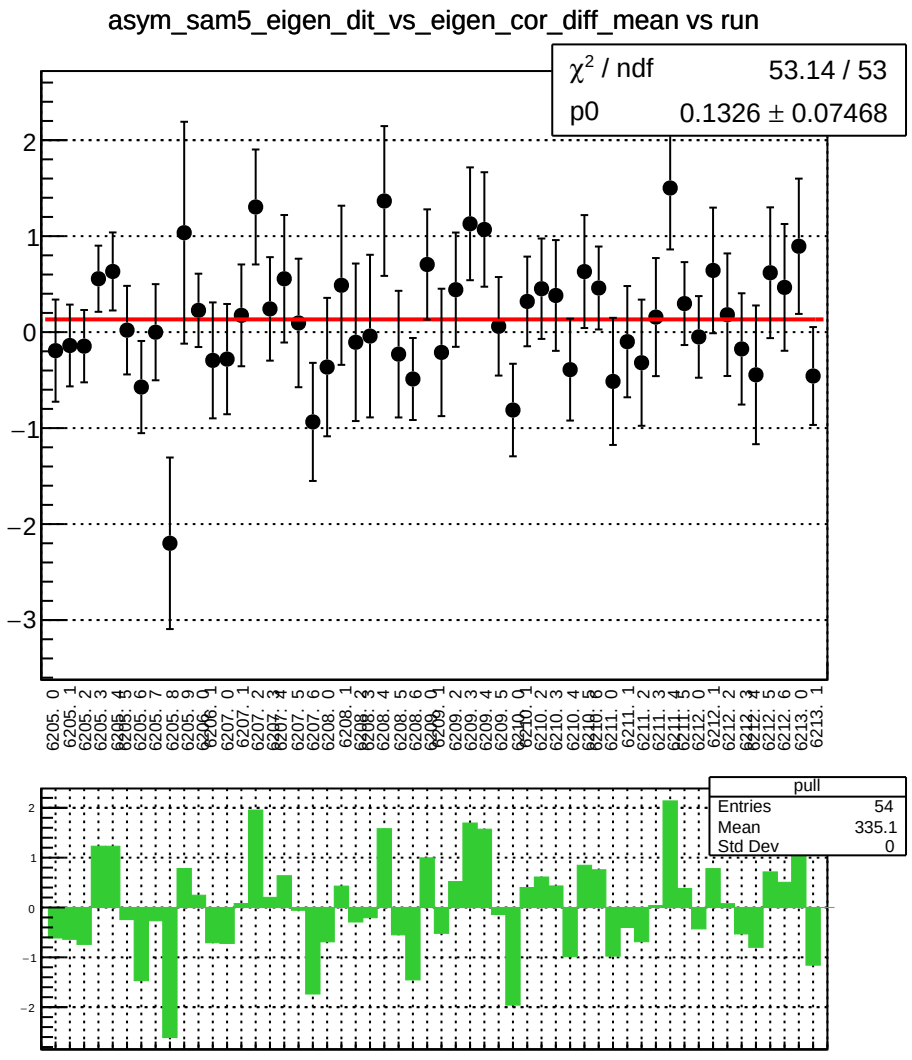

pull1D
Entries 54
Mean 0.004183
Std Dev 0.9637
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

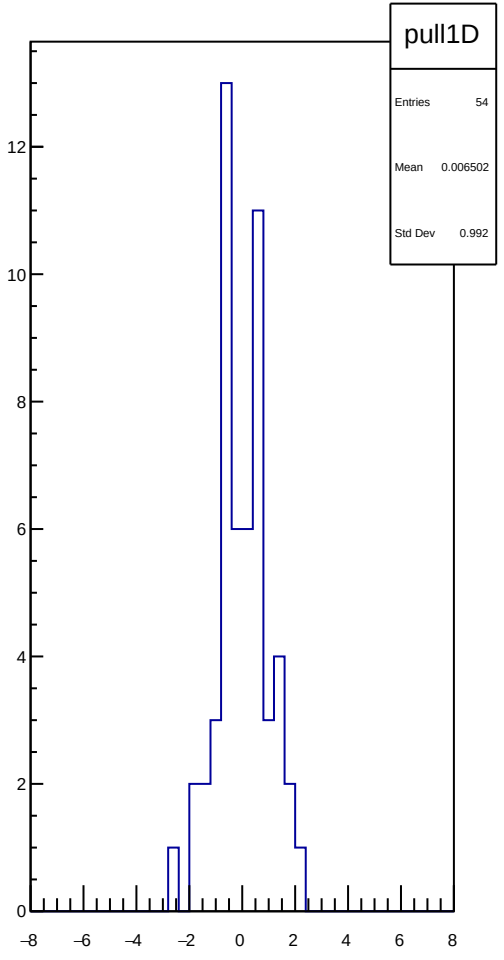

asym_sam5_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2316 / 53
p0 0.006396 ± 6.221e−06
0.0074
0.0072
0.007
0.0068
0.0066
0.0064
0.0062
0.006
0.0058
0.0056

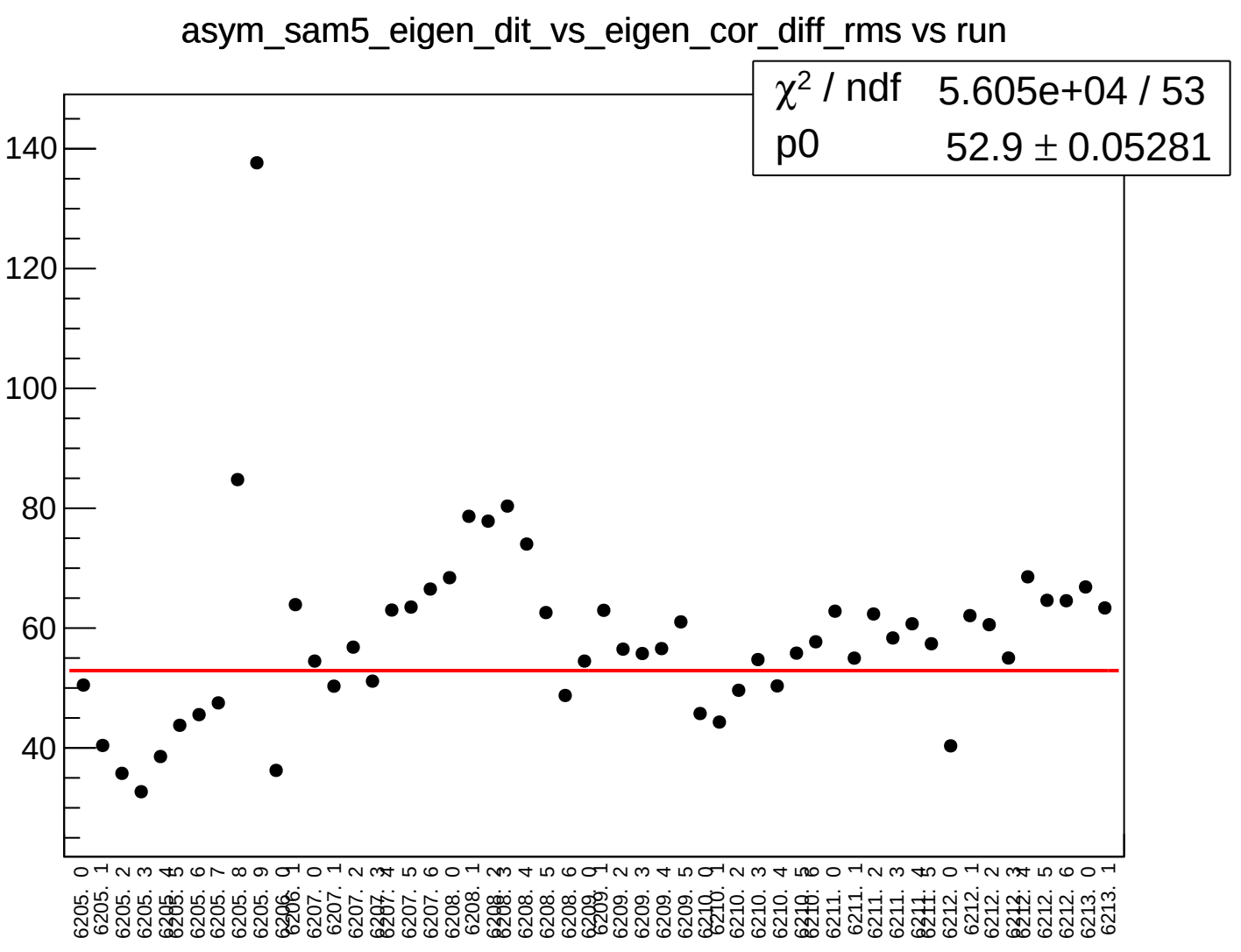

asym_sam5_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 53.14 / 53
p0 0.1326 ± 0.07468
pull
Entries 54
Mean 335.1
Std Dev 0

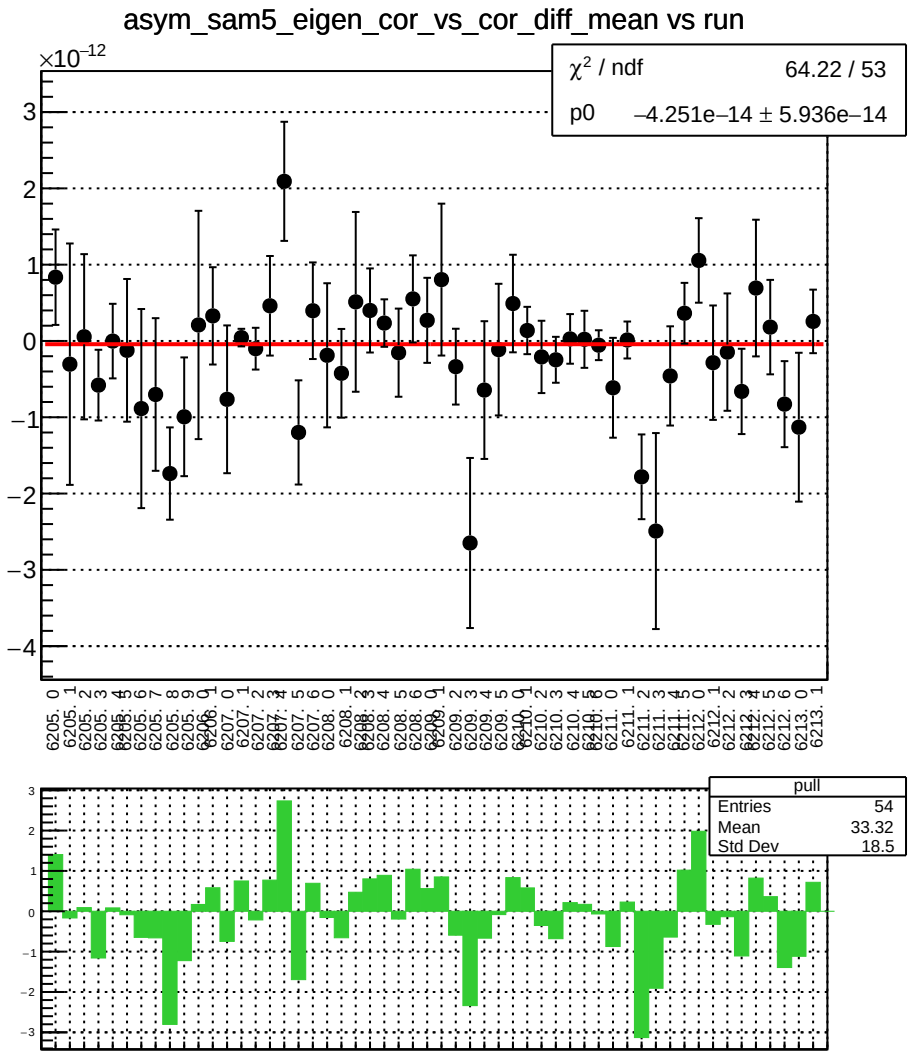

pull1D
Entries 54
Mean 0.006502
Std Dev 0.992

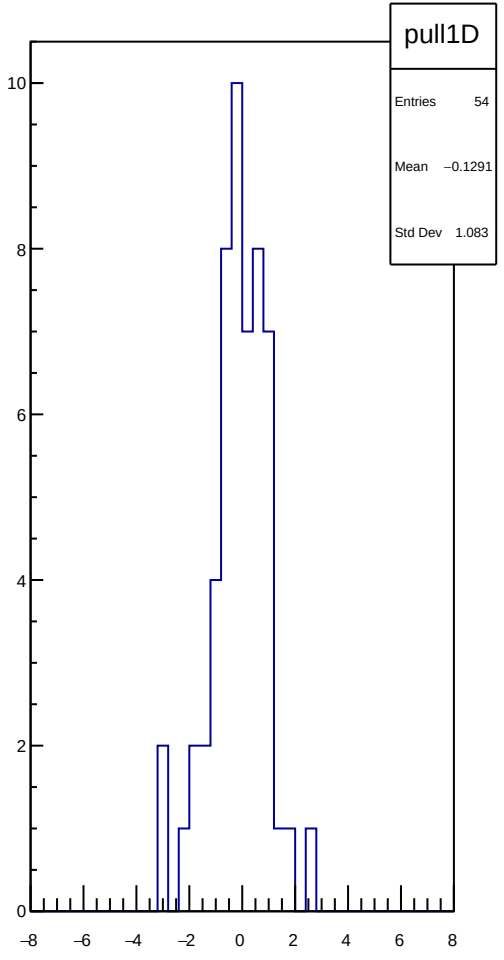

asym_sam5_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.605e+04 / 53
p0 52.9 ± 0.05281
140
120
100
80
60
40
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

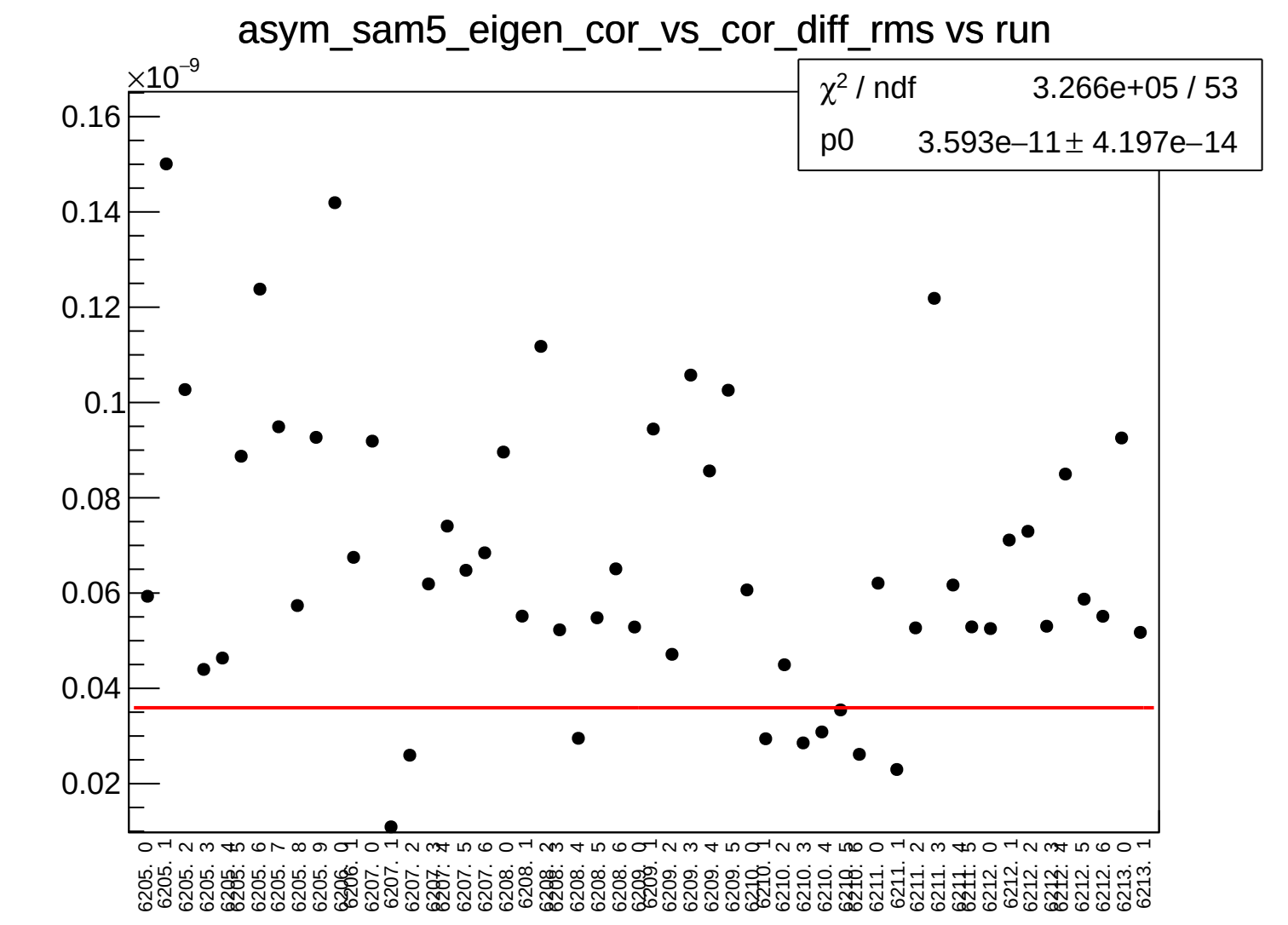

asym_sam5_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 53.14 / 53
p0 0.1326 ± 0.07468
pull
Entries 54
Mean 335.1
Std Dev 0

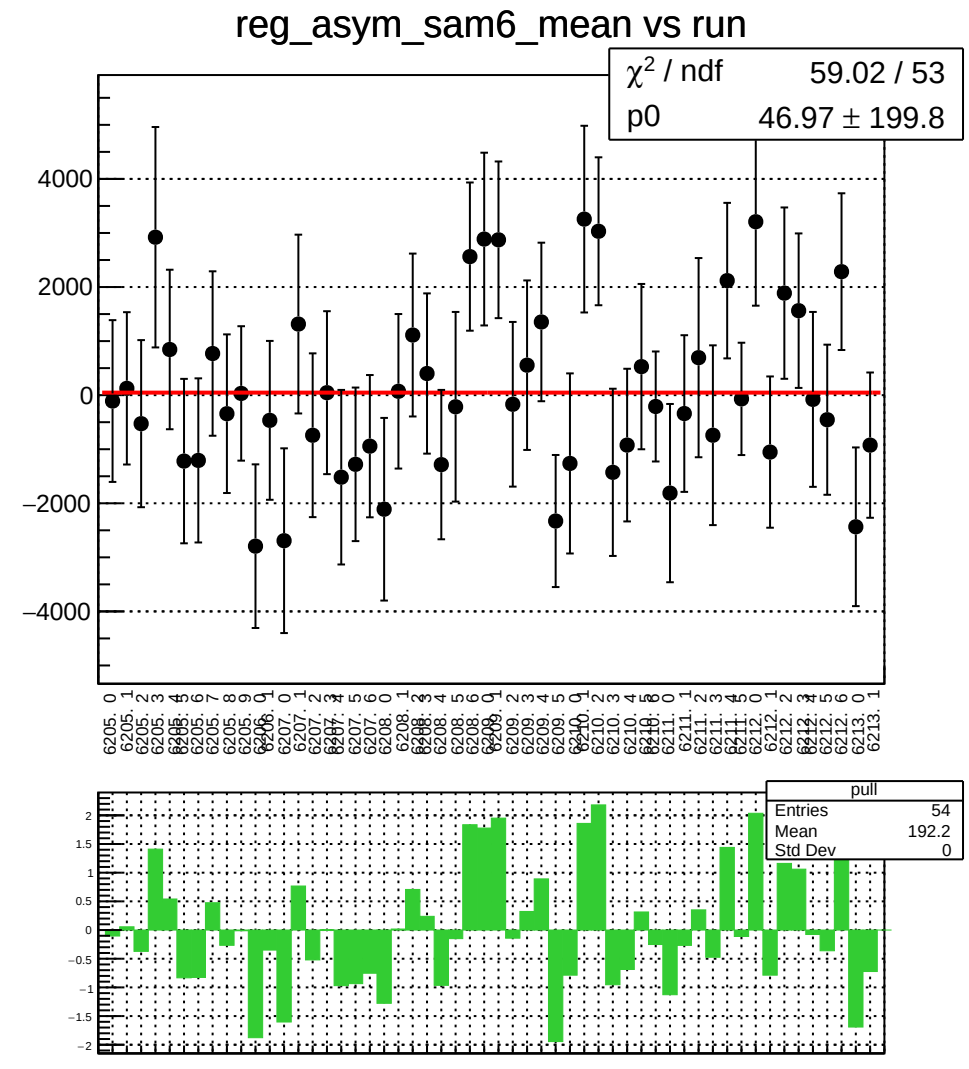

pull1D
Entries 54
Mean 0.006502
Std Dev 0.992

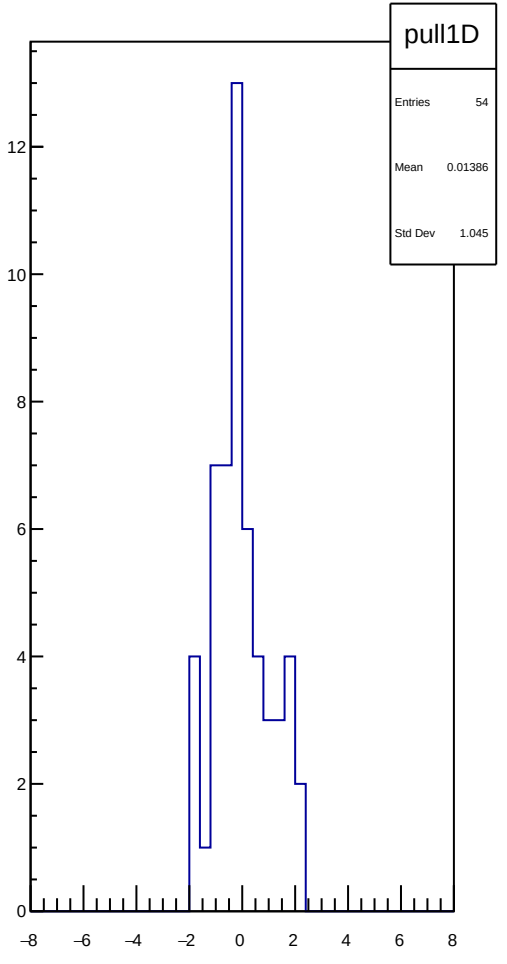

asym_sam5_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.605e+04 / 53
p0 52.9 ± 0.05281
140
120
100
80
60
40
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

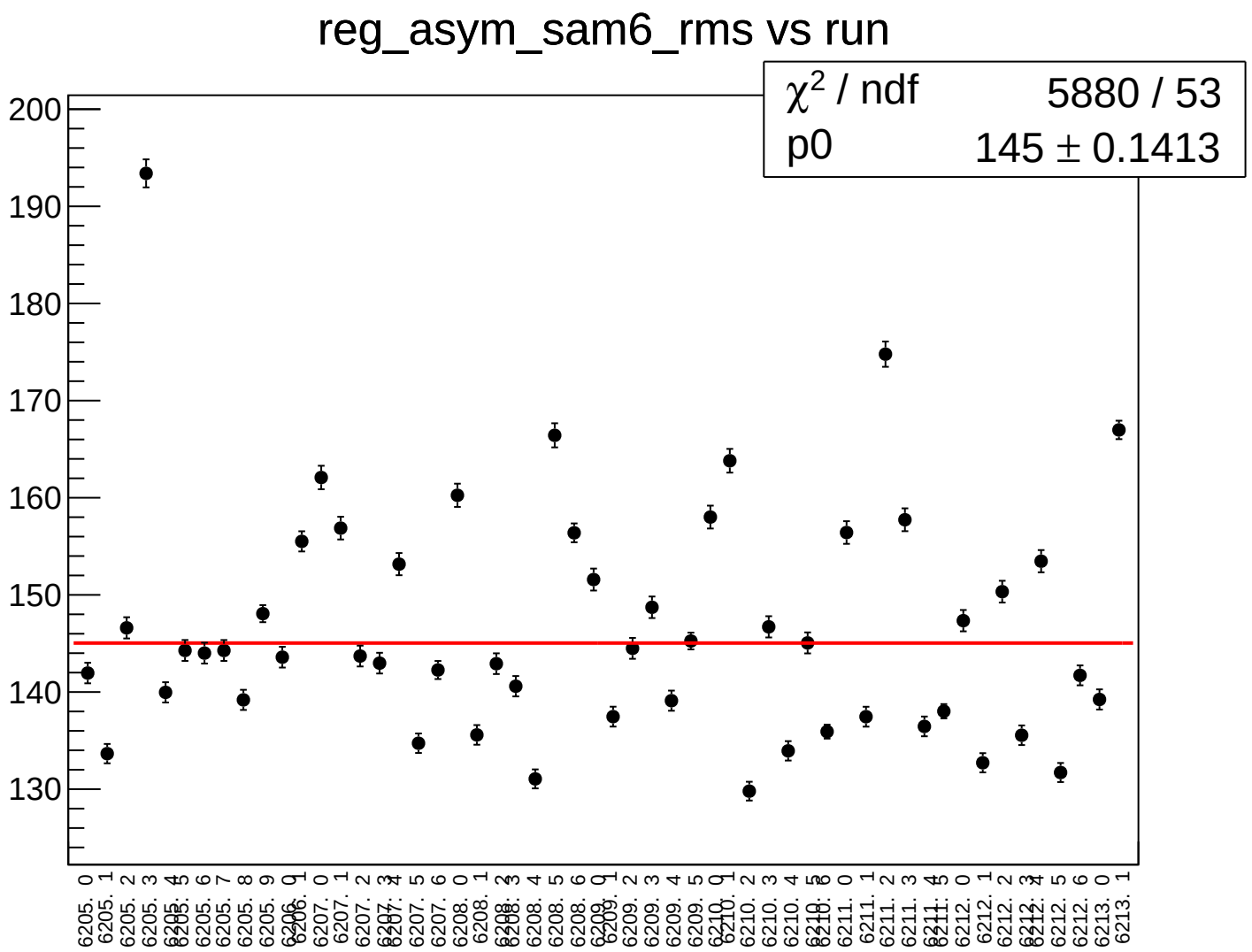

asym_sam5_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 64.22 / 53
p0 −4.251e−14 ± 5.936e−14
pull
Entries 54
Mean 33.32
Std Dev 18.5

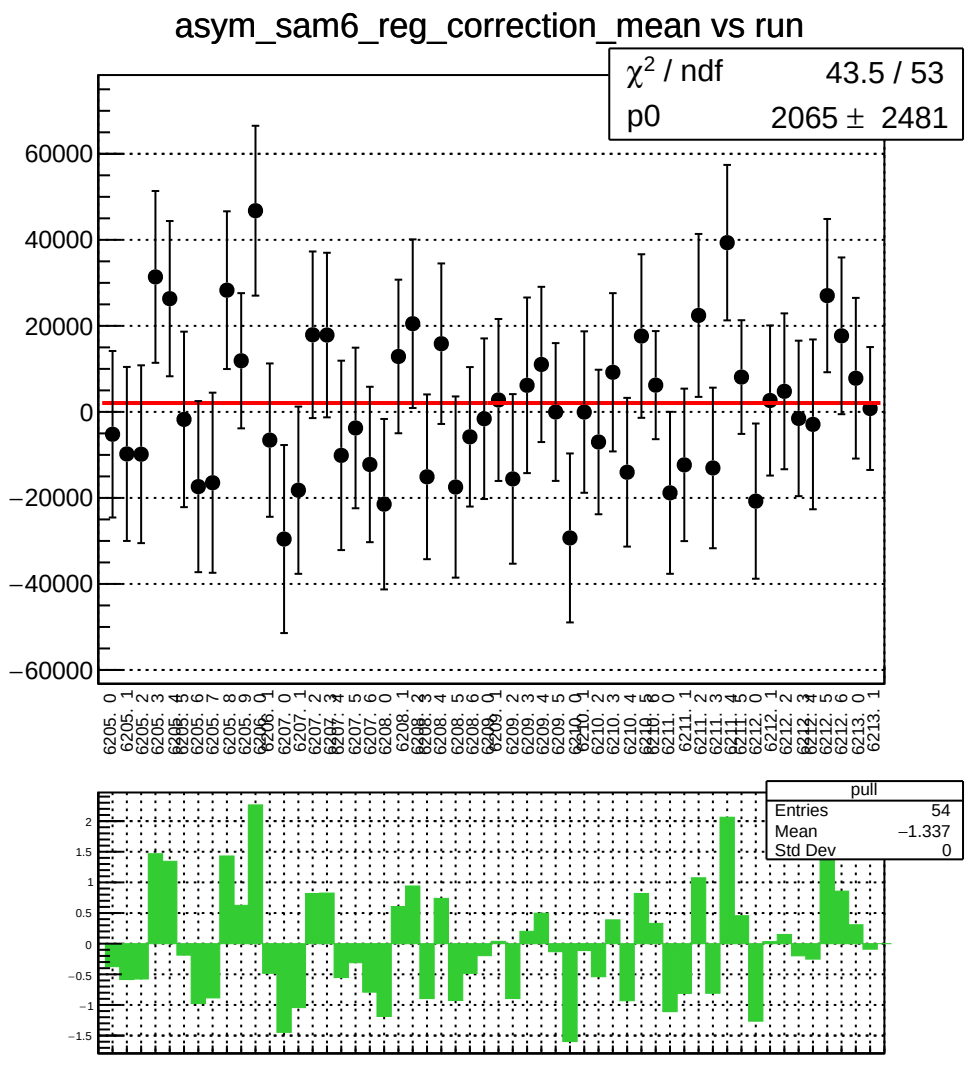

pull1D
Entries 54
Mean −0.1291
Std Dev 1.083

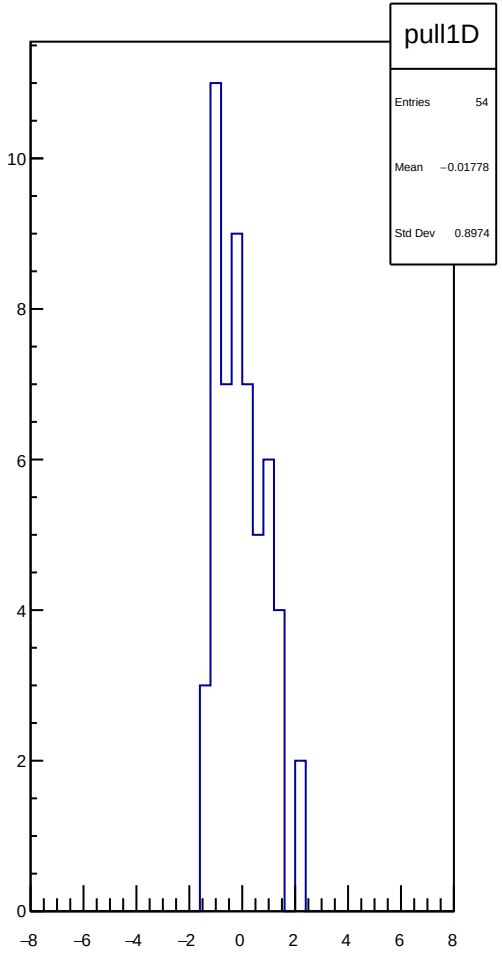

asym_sam5_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.266e+05 / 53
p0 3.593e−11 ± 4.197e−14
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 1
6207. 0
6207. 1
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

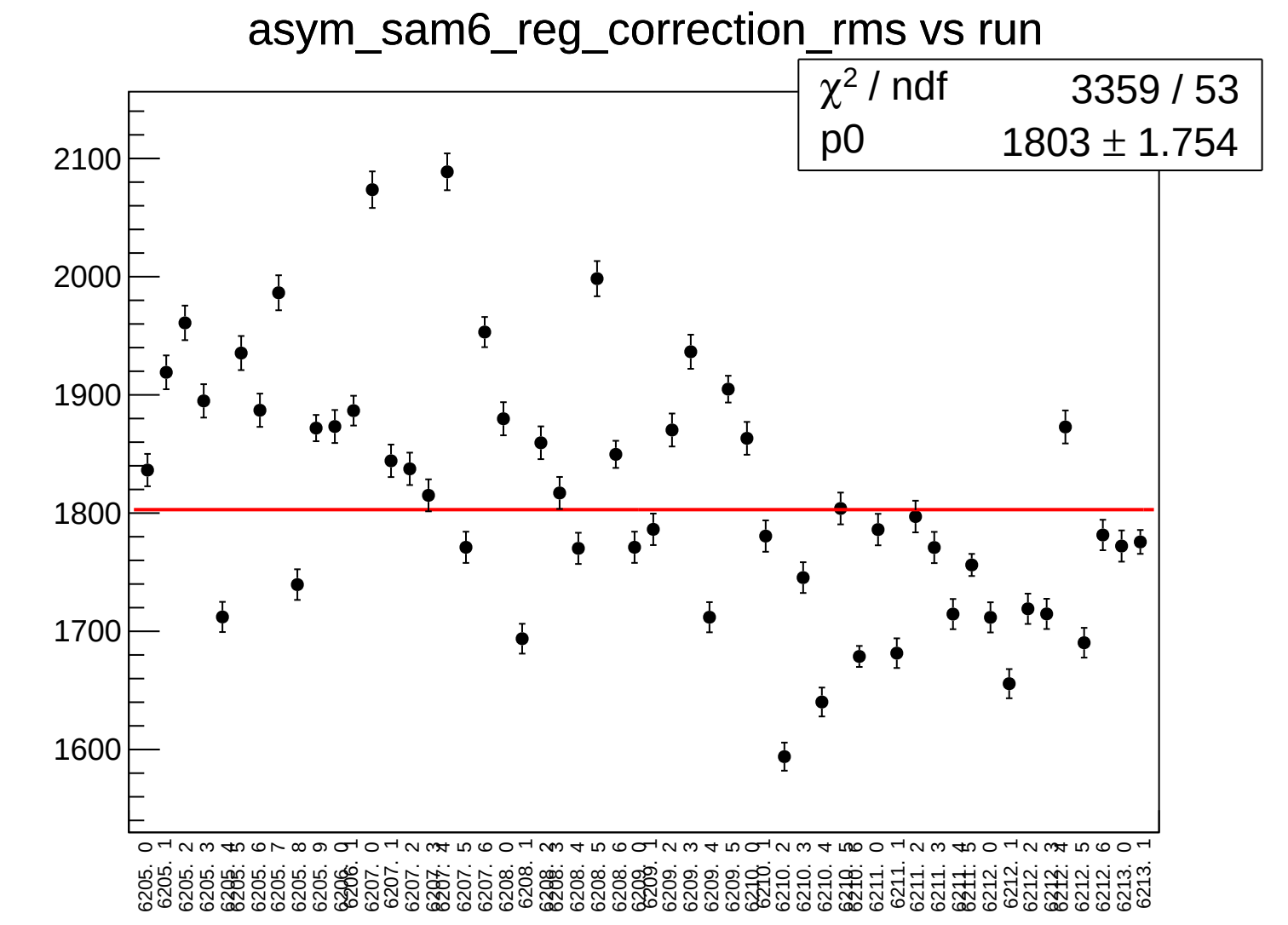

reg_asym_sam6_mean vs run
χ² / ndf 59.02 / 53
p0 46.97 ± 199.8
4000
2000
0
−2000
−4000
pull
Entries 54
Mean 192.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

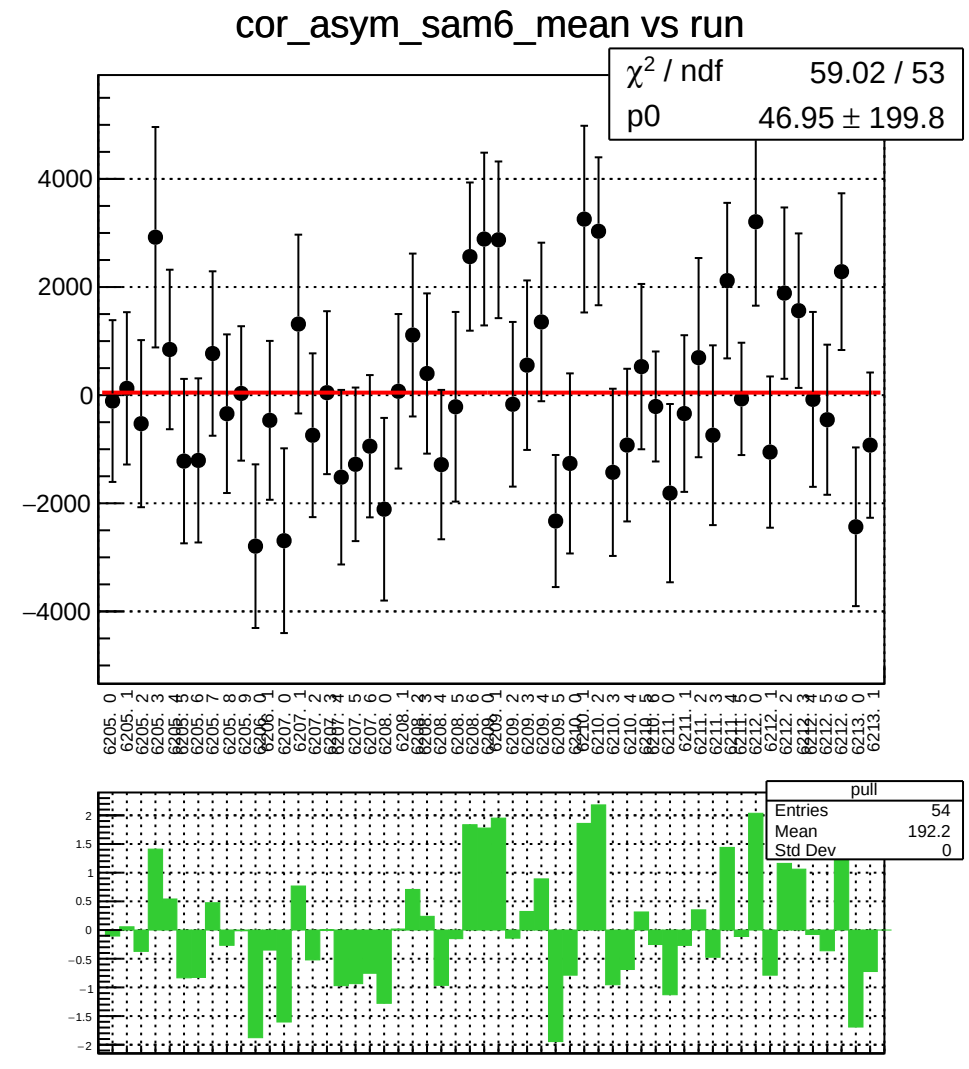

pull1D
Entries 54
Mean 0.01386
Std Dev 1.045
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

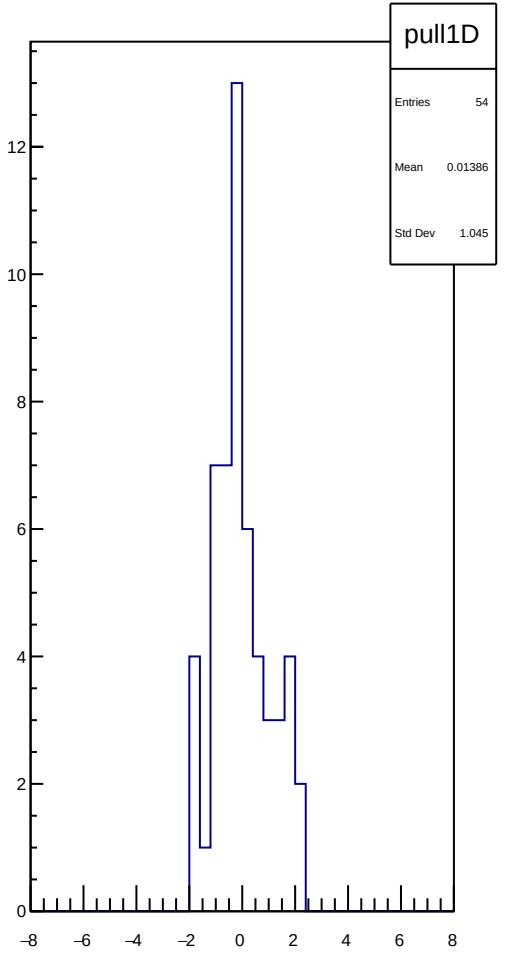

reg_asym_sam6_rms vs run
χ² / ndf 5880 / 53
p0 145 ± 0.1413
200
190
180
170
160
150
140
130
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

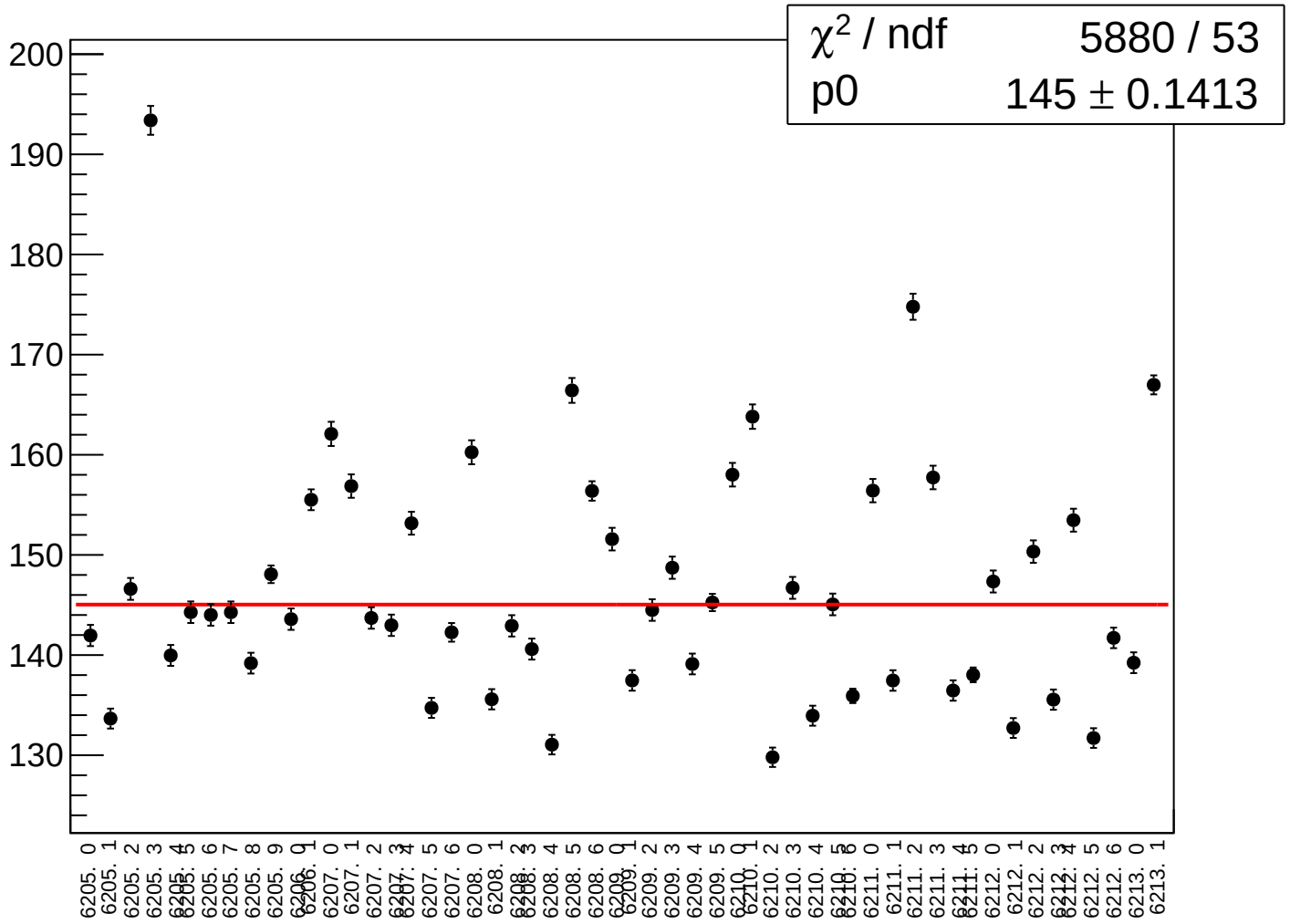

asym_sam6_reg_correction_mean vs run
χ² / ndf 43.5 / 53
p0 2065 ± 2481
pull
Entries 54
Mean −1.337
Std Dev 0

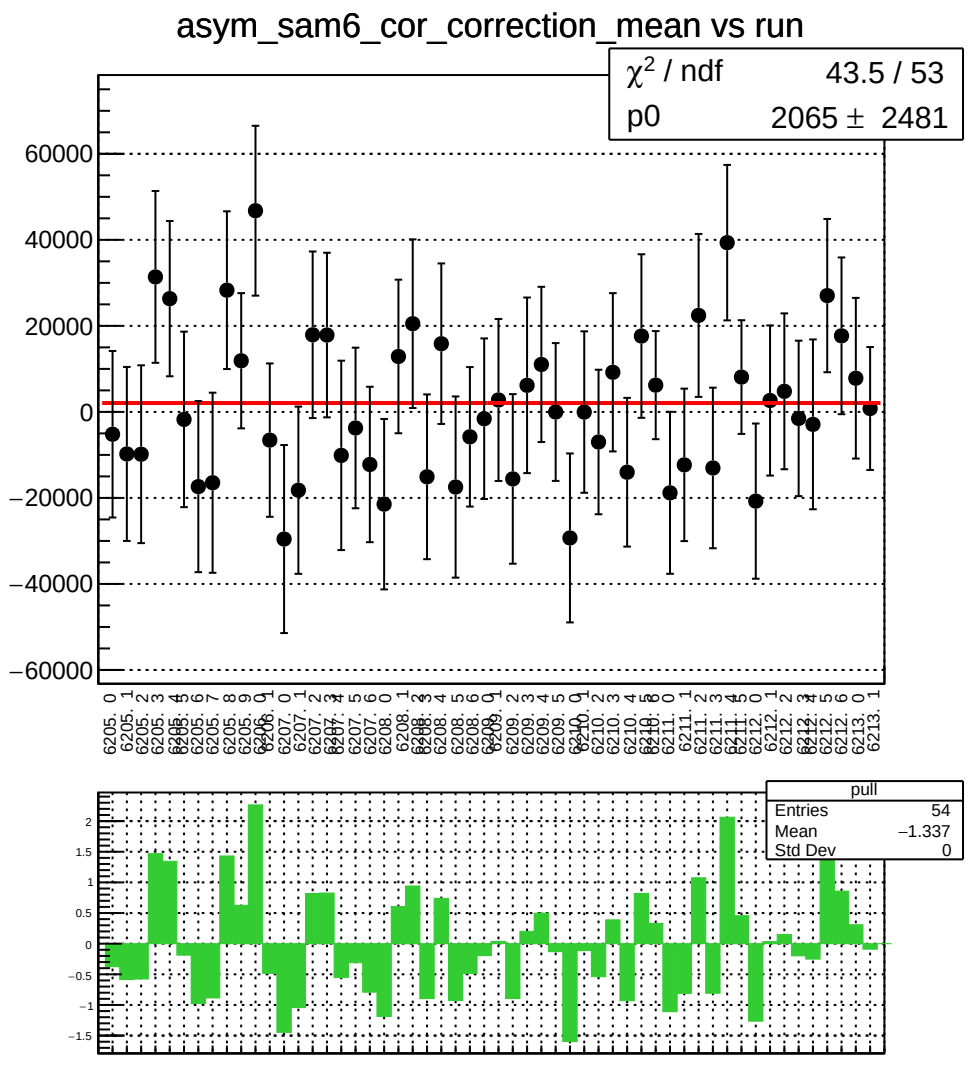

pull1D
Entries 54
Mean −0.01778
Std Dev 0.8974

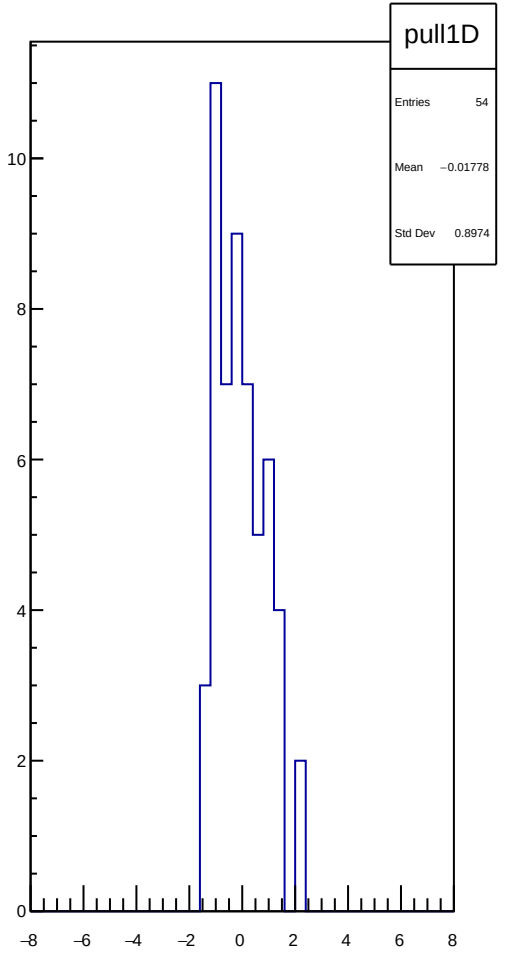

asym_sam6_reg_correction_rms vs run
χ² / ndf 3359 / 53
p0 1803 ± 1.754
2100
2000
1900
1800
1700
1600
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 1
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

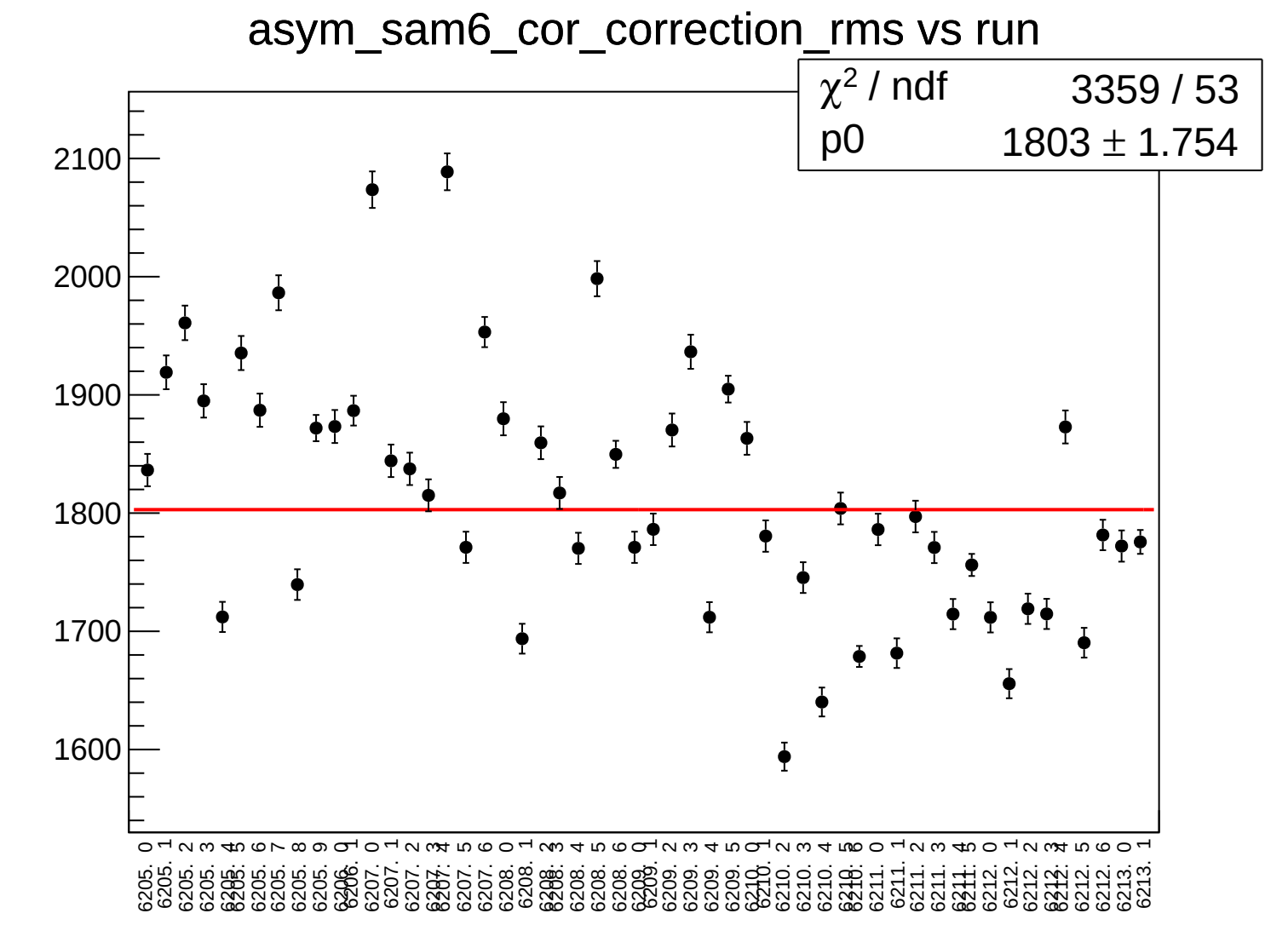

cor_asym_sam6_mean vs run
χ² / ndf 59.02 / 53
p0 46.95 ± 199.8
4000
2000
0
−2000
−4000
pull
Entries 54
Mean 192.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

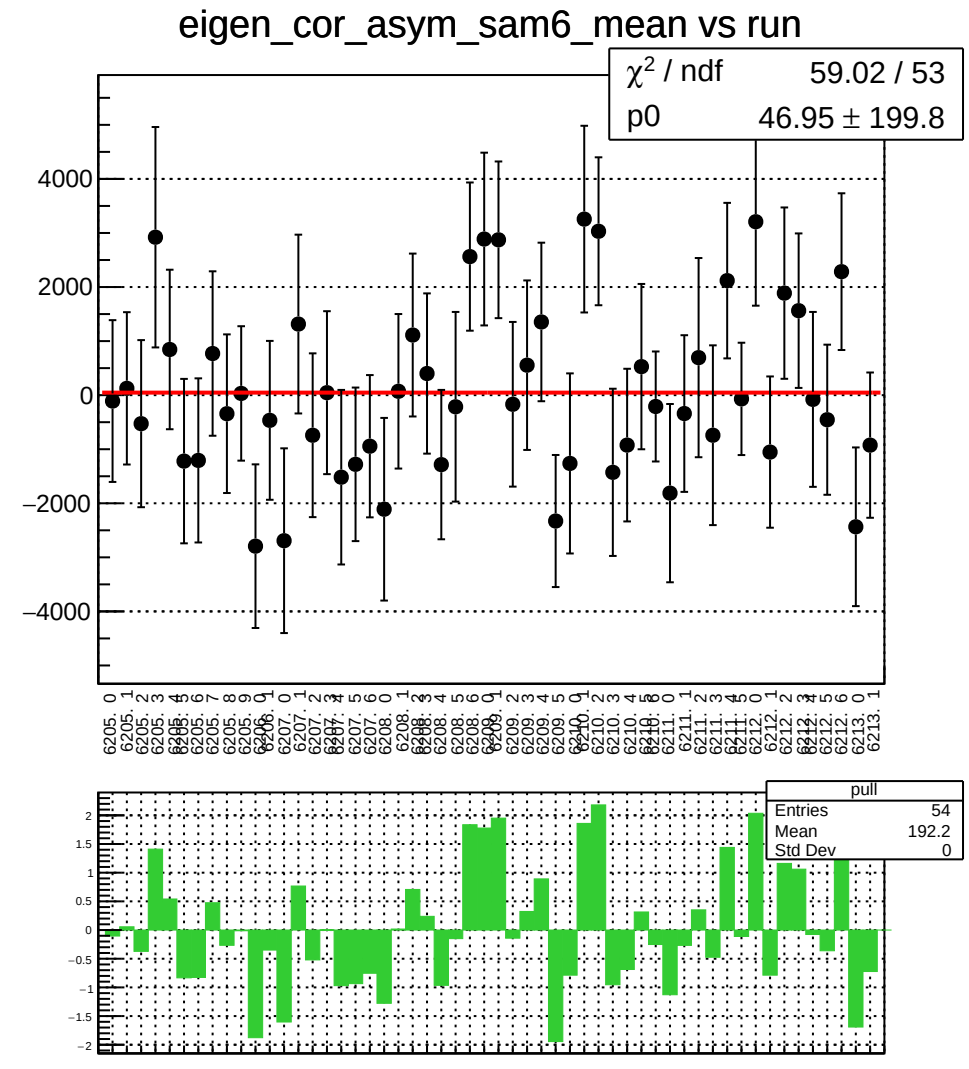

pull1D
Entries 54
Mean 0.01386
Std Dev 1.045
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

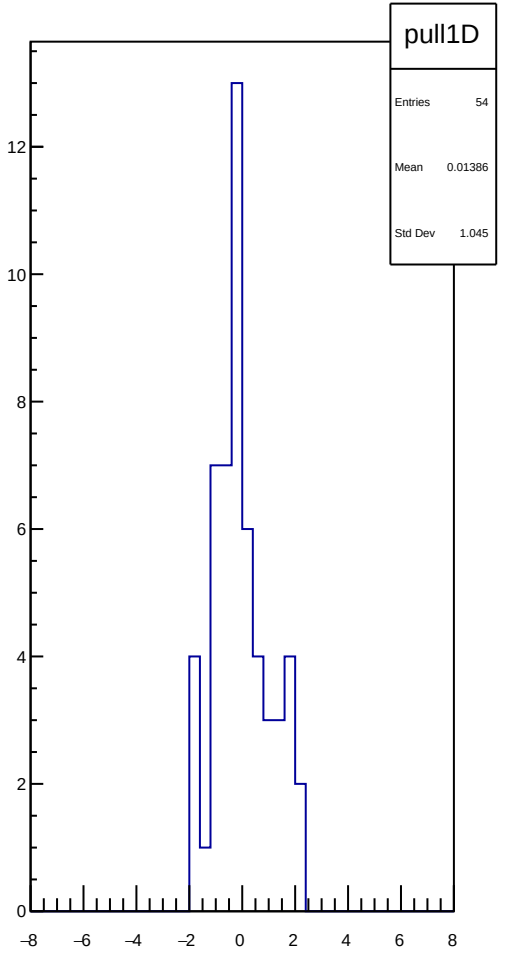

cor_asym_sam6_rms vs run
χ² / ndf 5880 / 53
p0 145 ± 0.1413
200
190
180
170
160
150
140
130
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

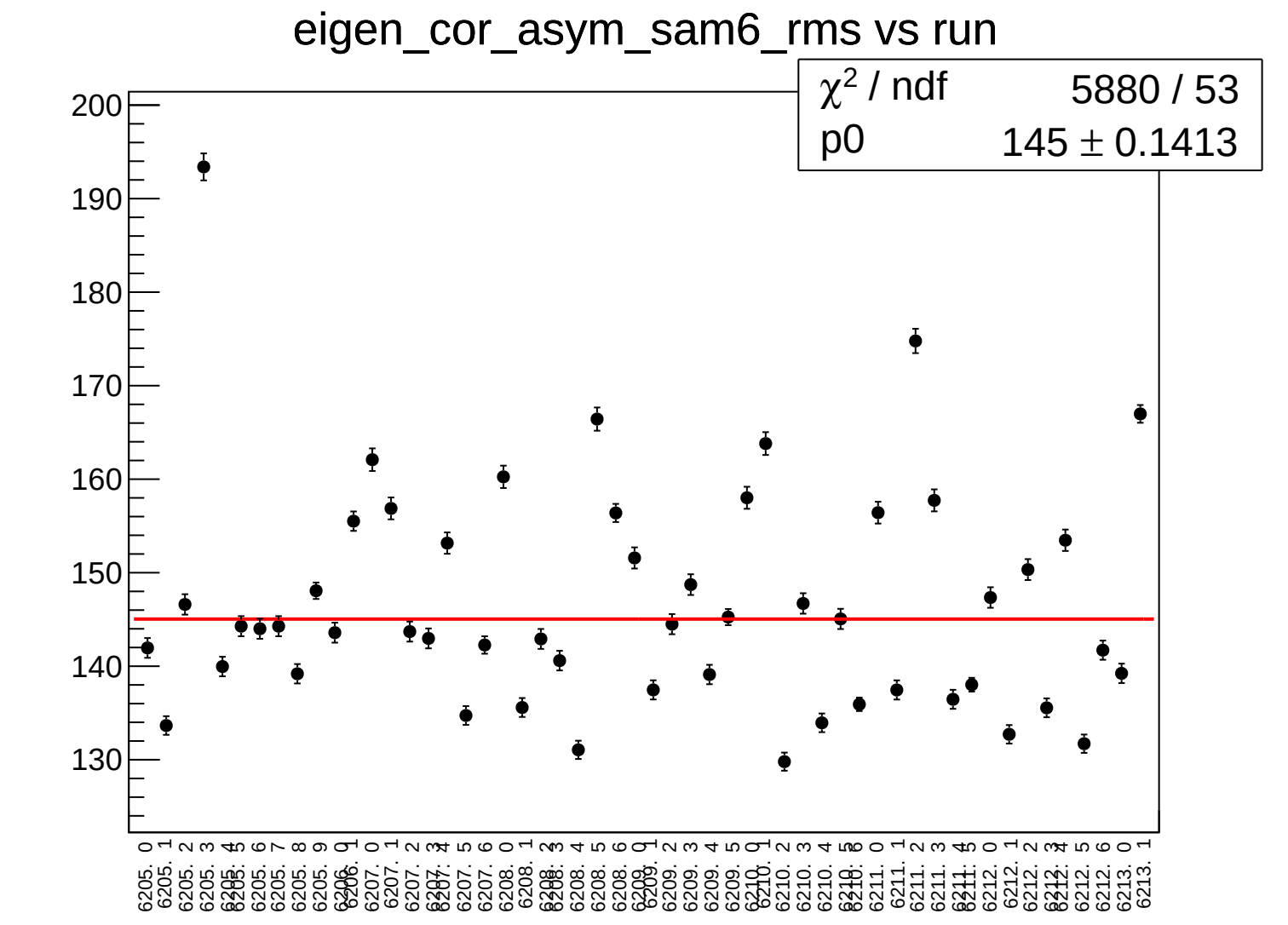

asym_sam6_cor_correction_mean vs run
χ² / ndf 43.5 / 53
p0 2065 ± 2481
pull
Entries 54
Mean −1.337
Std Dev 0

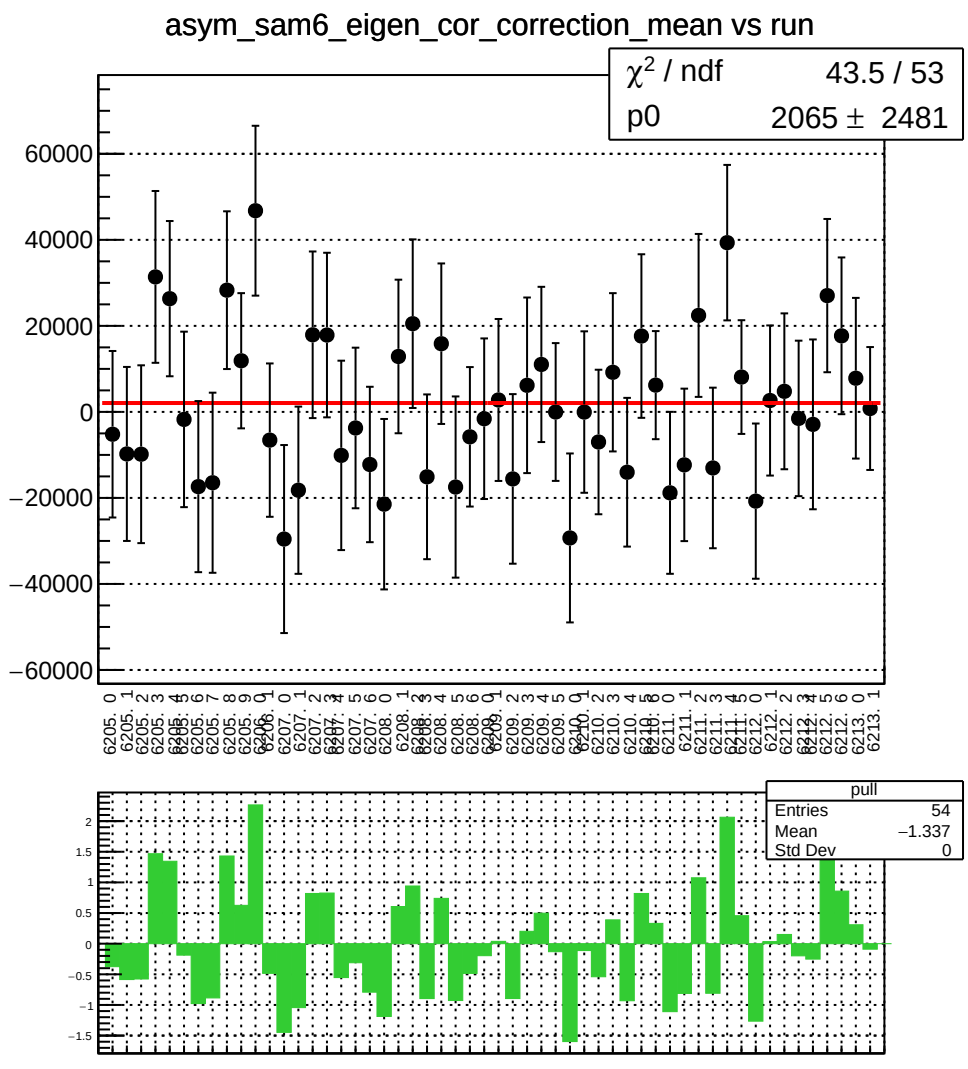

pull1D
Entries 54
Mean −0.01778
Std Dev 0.8974

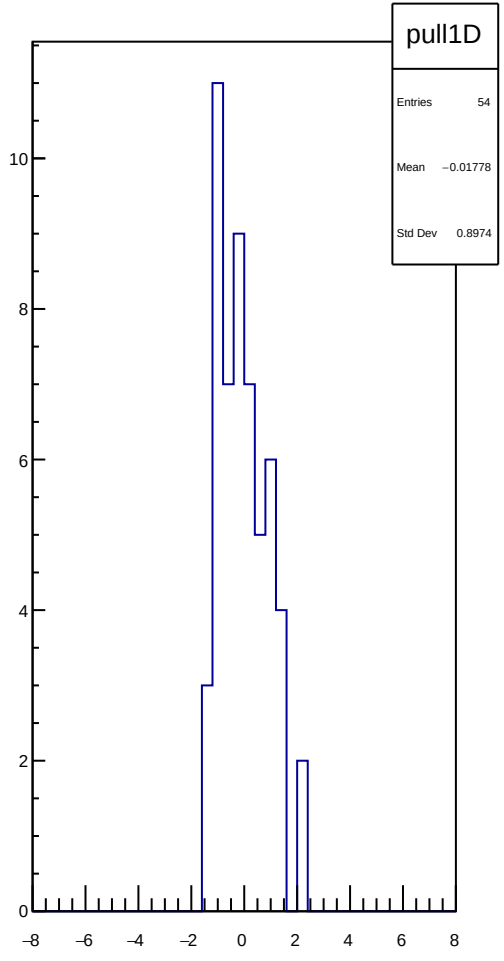

asym_sam6_cor_correction_rms vs run
χ² / ndf 3359 / 53
p0 1803 ± 1.754
2100
2000
1900
1800
1700
1600
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 1
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

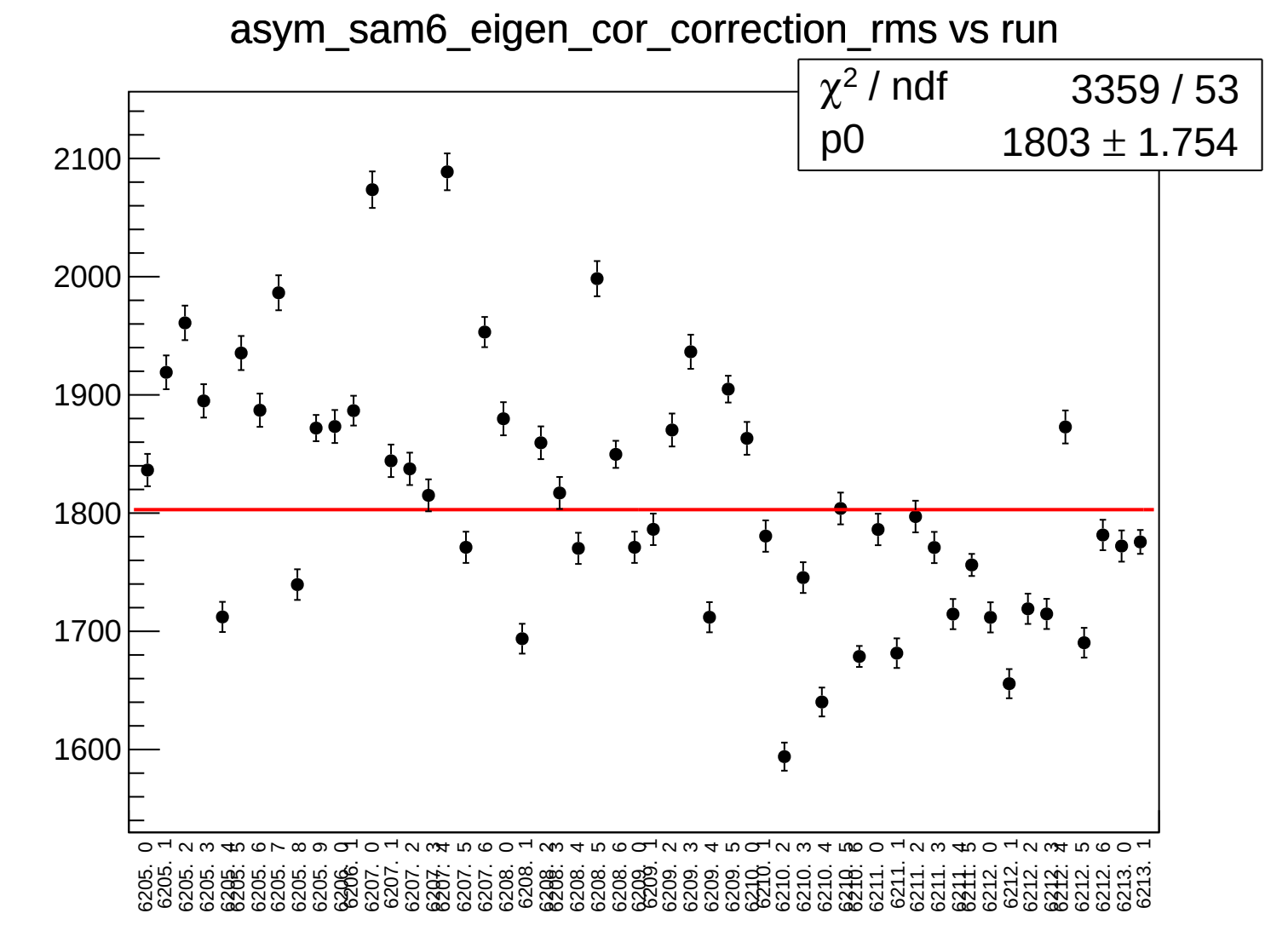

eigen_cor_asym_sam6_mean vs run
χ² / ndf 59.02 / 53
p0 46.95 ± 199.8
4000
2000
0
−2000
−4000
pull
Entries 54
Mean 192.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

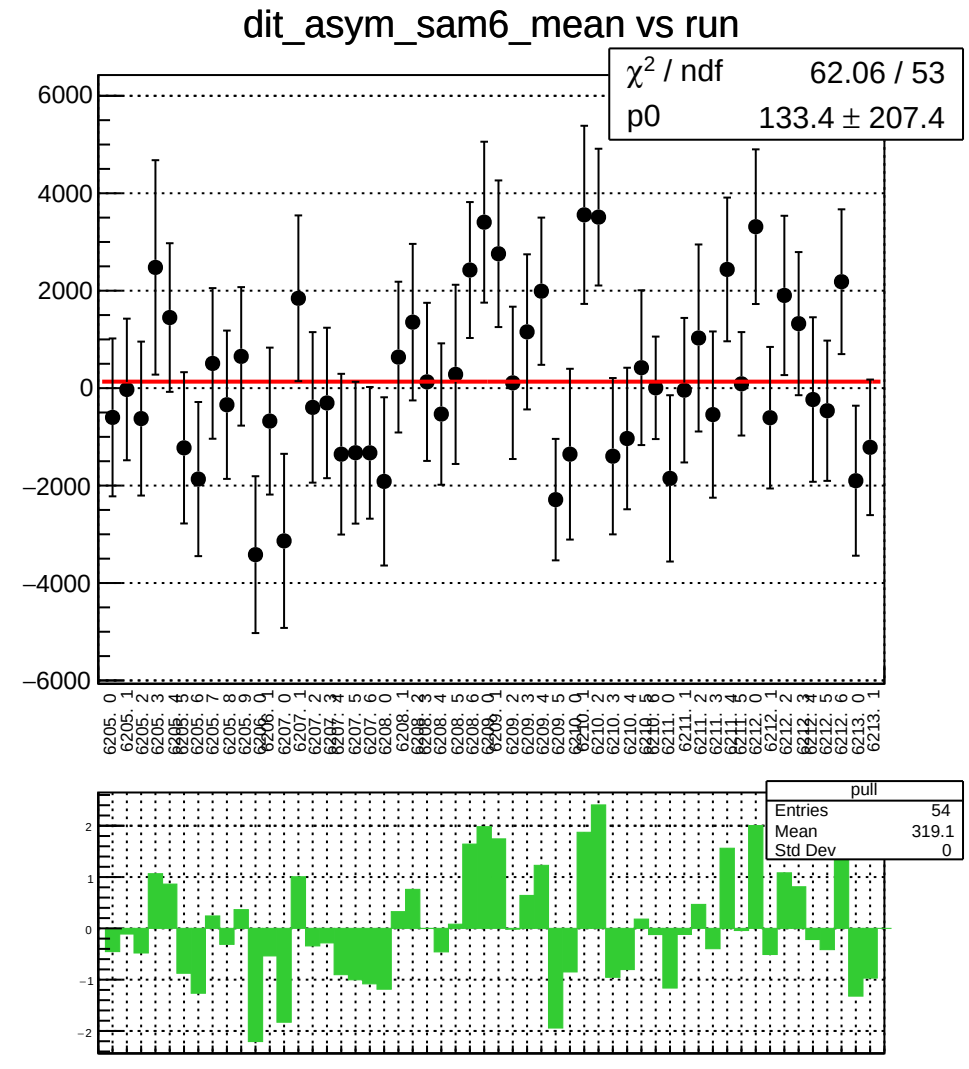

pull1D
Entries 54
Mean 0.01386
Std Dev 1.045
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

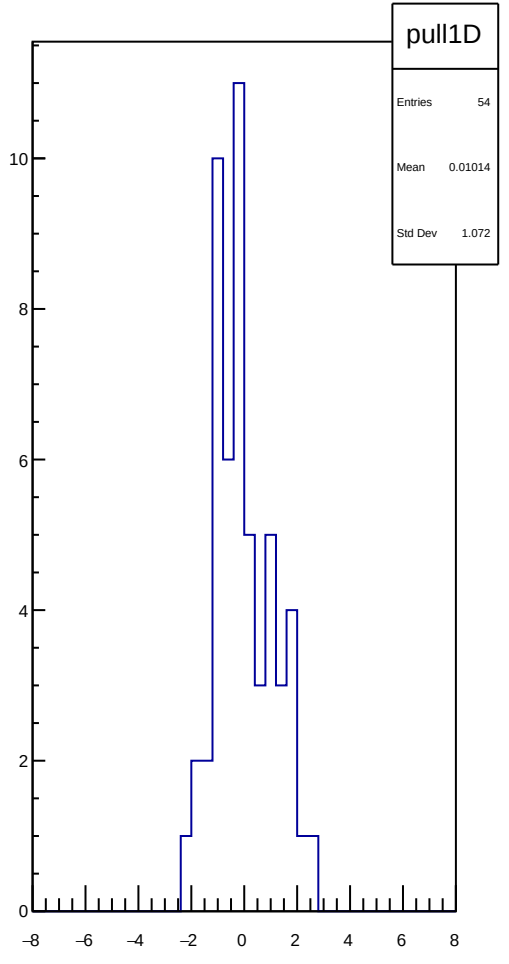

eigen_cor_asym_sam6_rms vs run
χ² / ndf 5880 / 53
p0 145 ± 0.1413
200
190
180
170
160
150
140
130
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

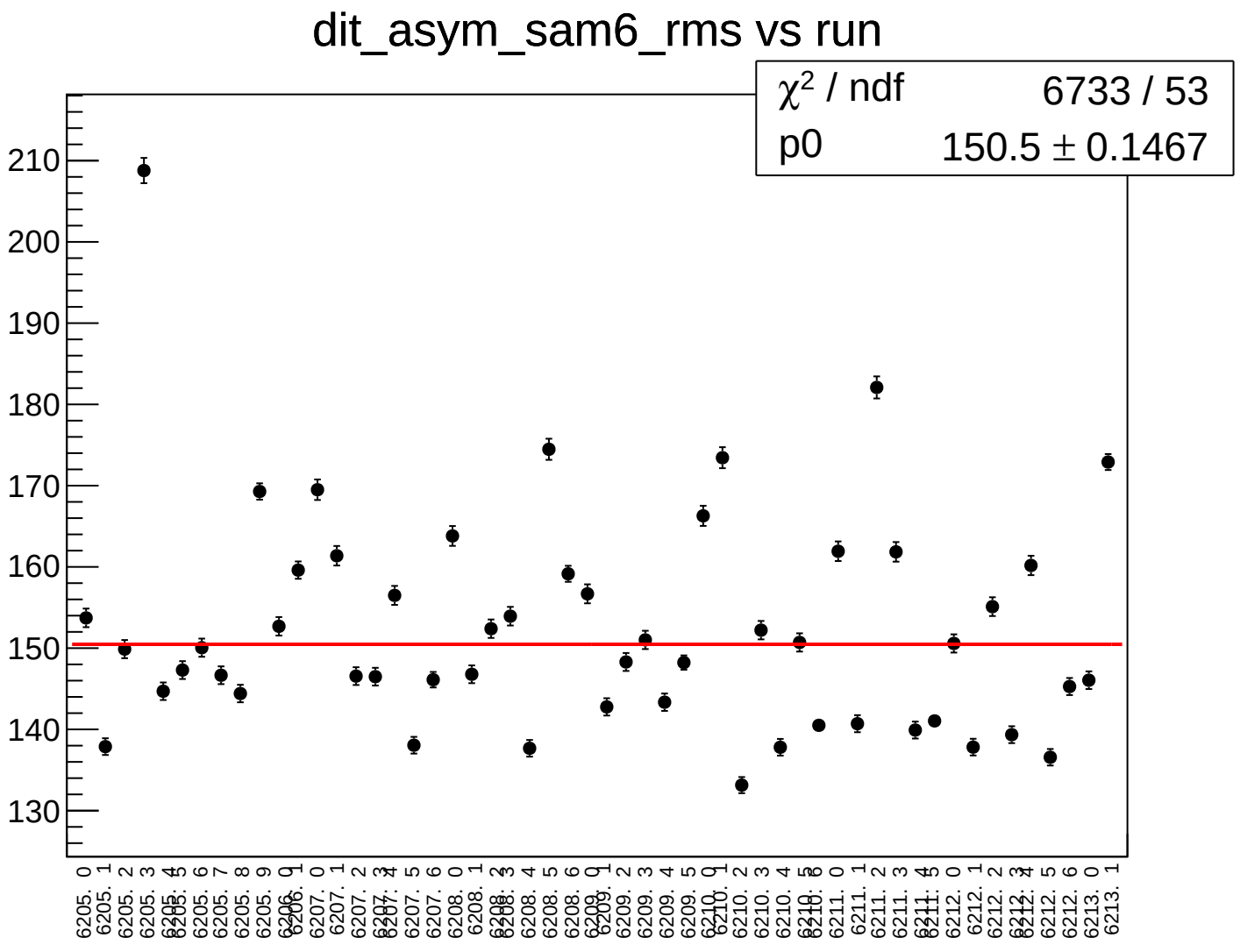

asym_sam6_eigen_cor_correction_mean vs run
χ² / ndf 43.5 / 53
p0 2065 ± 2481
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean −1.337
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

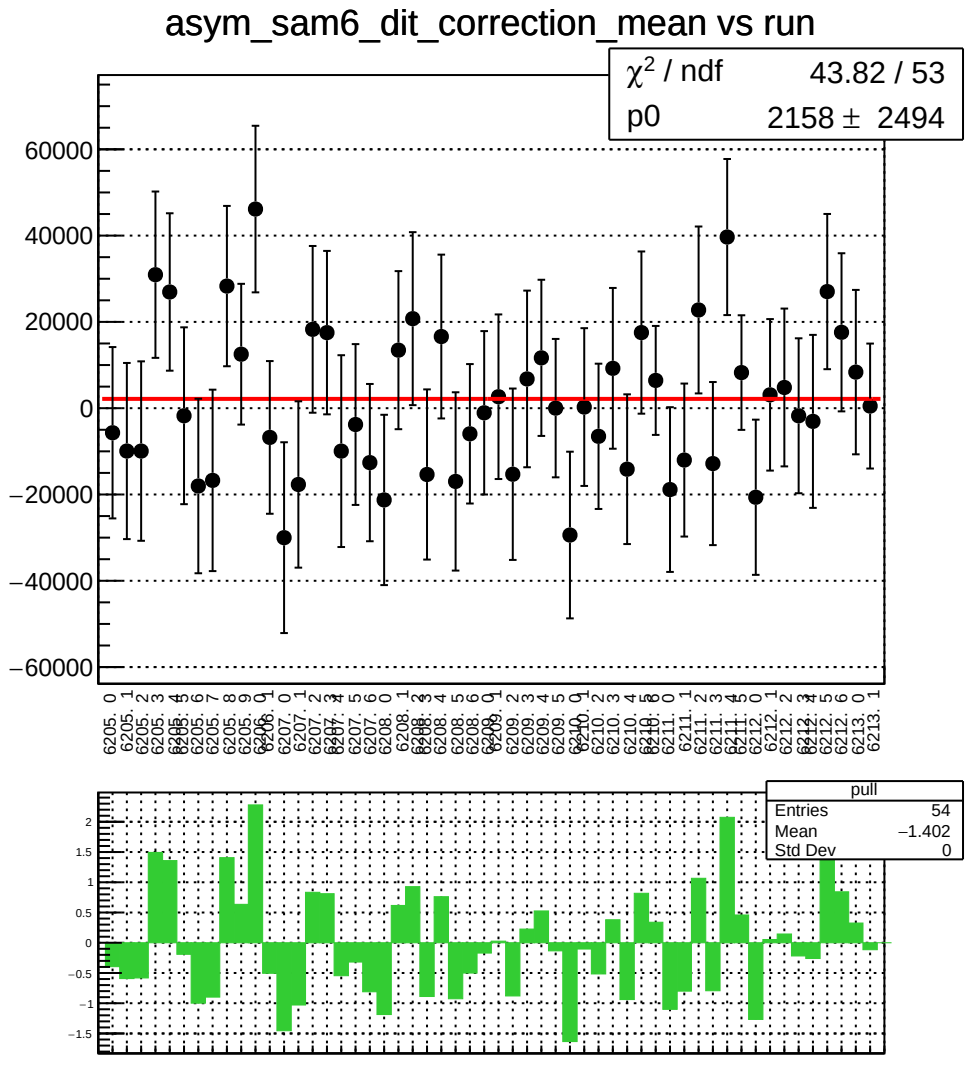

pull1D
Entries 54
Mean −0.01778
Std Dev 0.8974
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

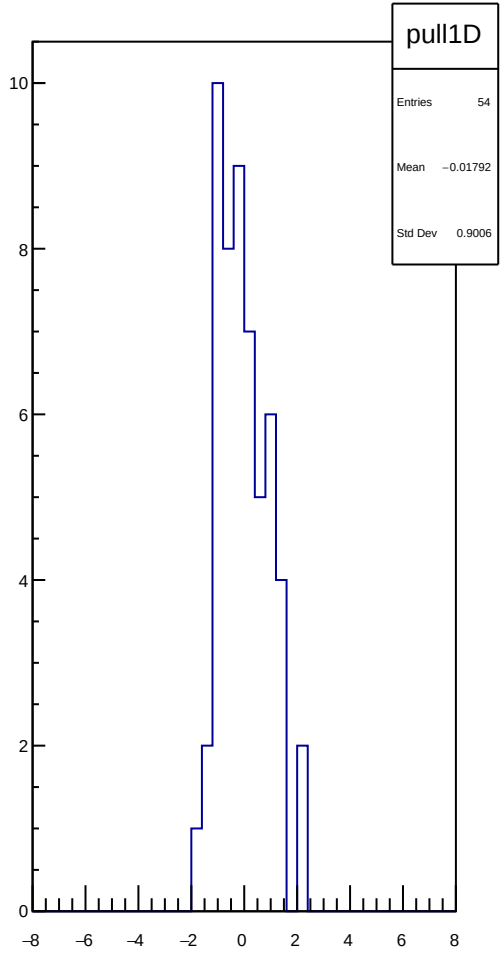

asym_sam6_eigen_cor_correction_rms vs run
χ² / ndf 3359 / 53
p0 1803 ± 1.754
2100
2000
1900
1800
1700
1600
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

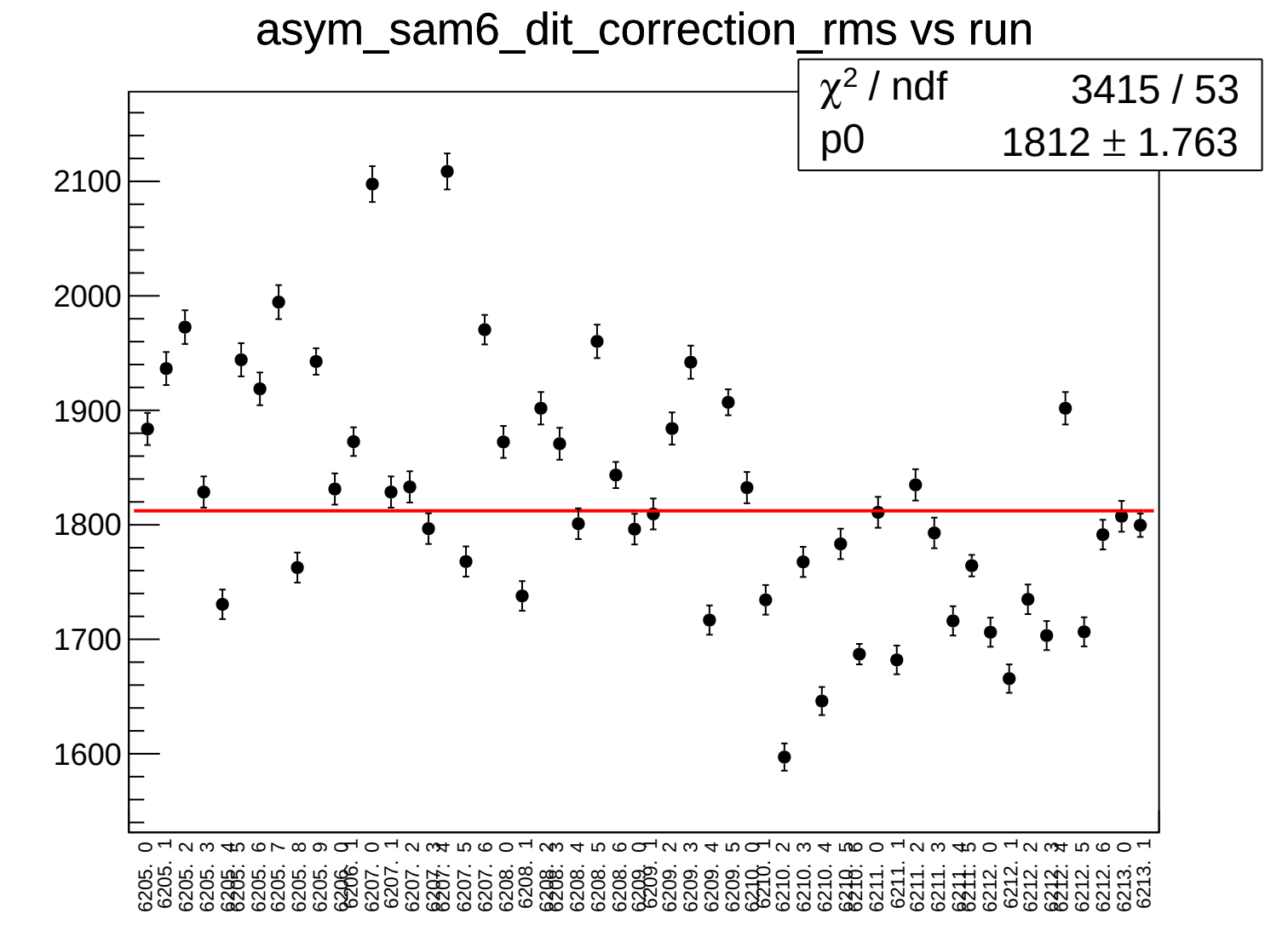

dit_asym_sam6_mean vs run
χ² / ndf 62.06 / 53
p0 133.4 ± 207.4
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 54
Mean 319.1
Std Dev 0
2
1
0
−1
−2

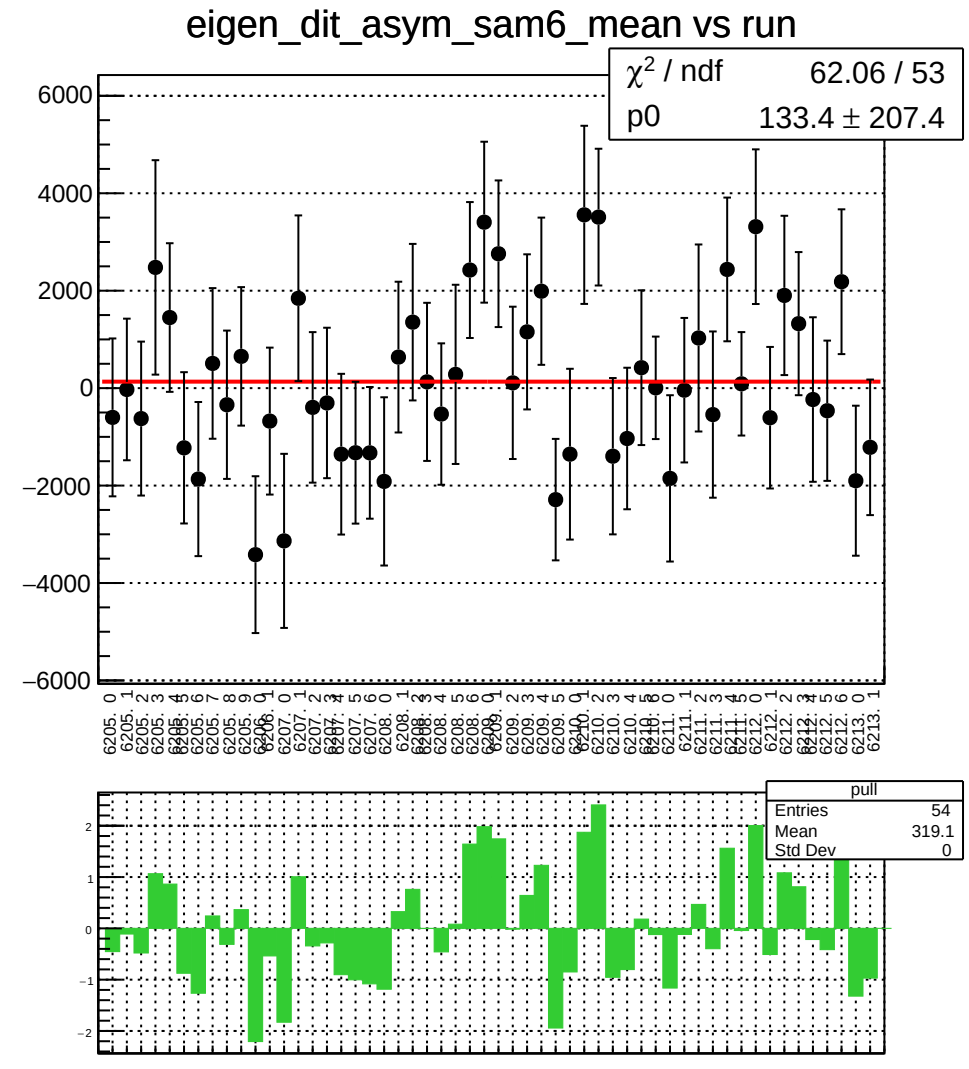

pull1D
Entries 54
Mean 0.01014
Std Dev 1.072
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

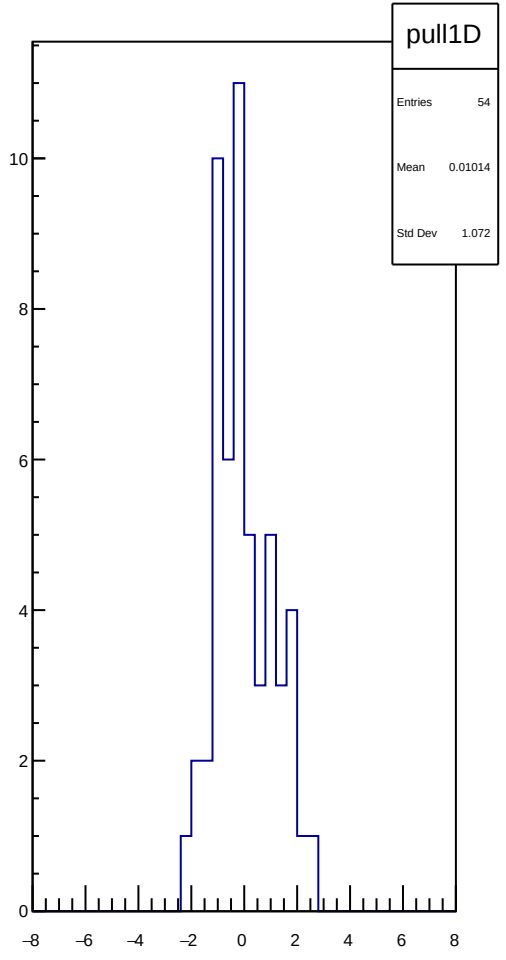

dit_asym_sam6_rms vs run
χ^2 / ndf 6733 / 53
p0 150.5 ± 0.1467
210
200
190
180
170
160
150
140
130
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

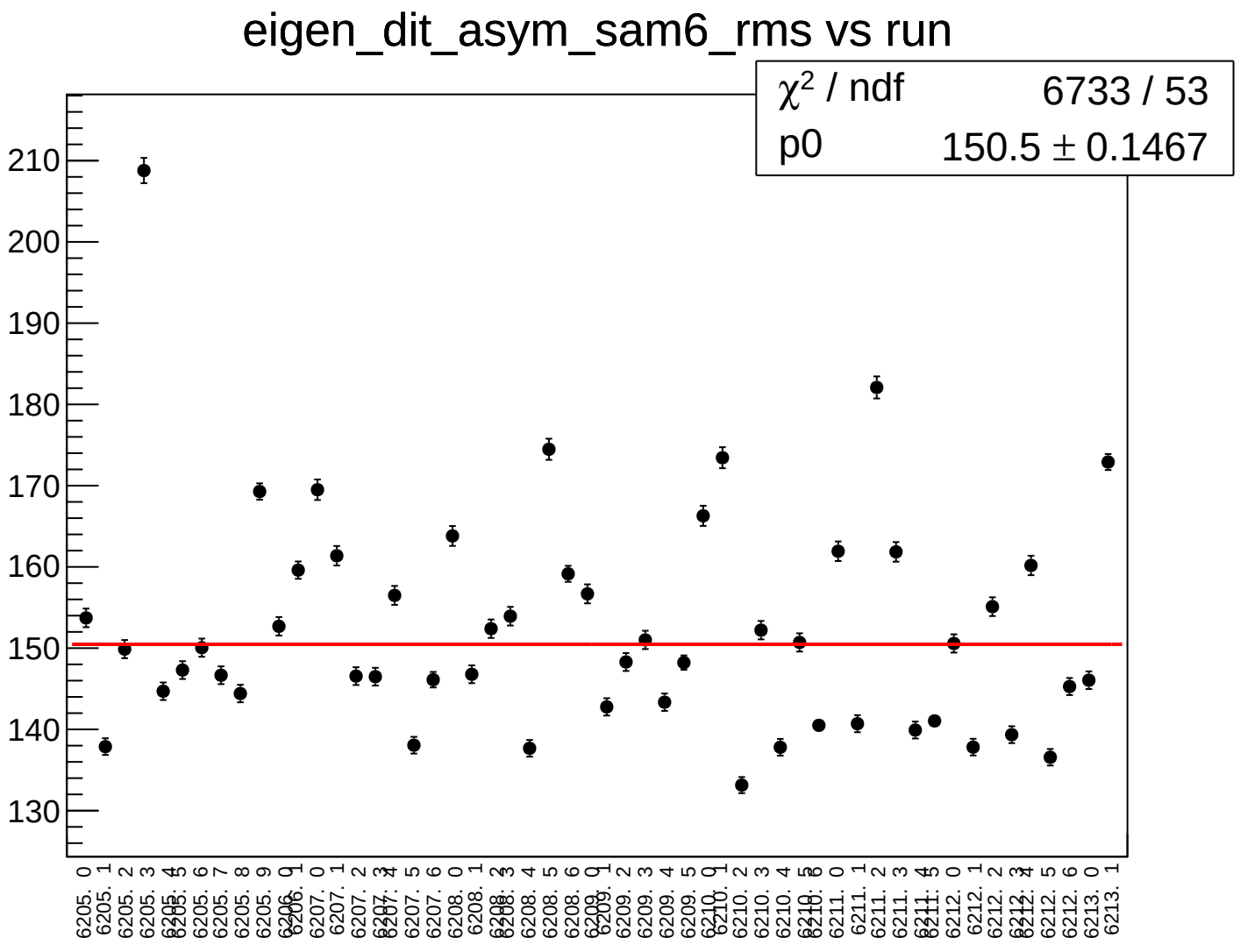

asym_sam6_dit_correction_mean vs run
χ² / ndf 43.82 / 53
p0 2158 ± 2494
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean −1.402
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

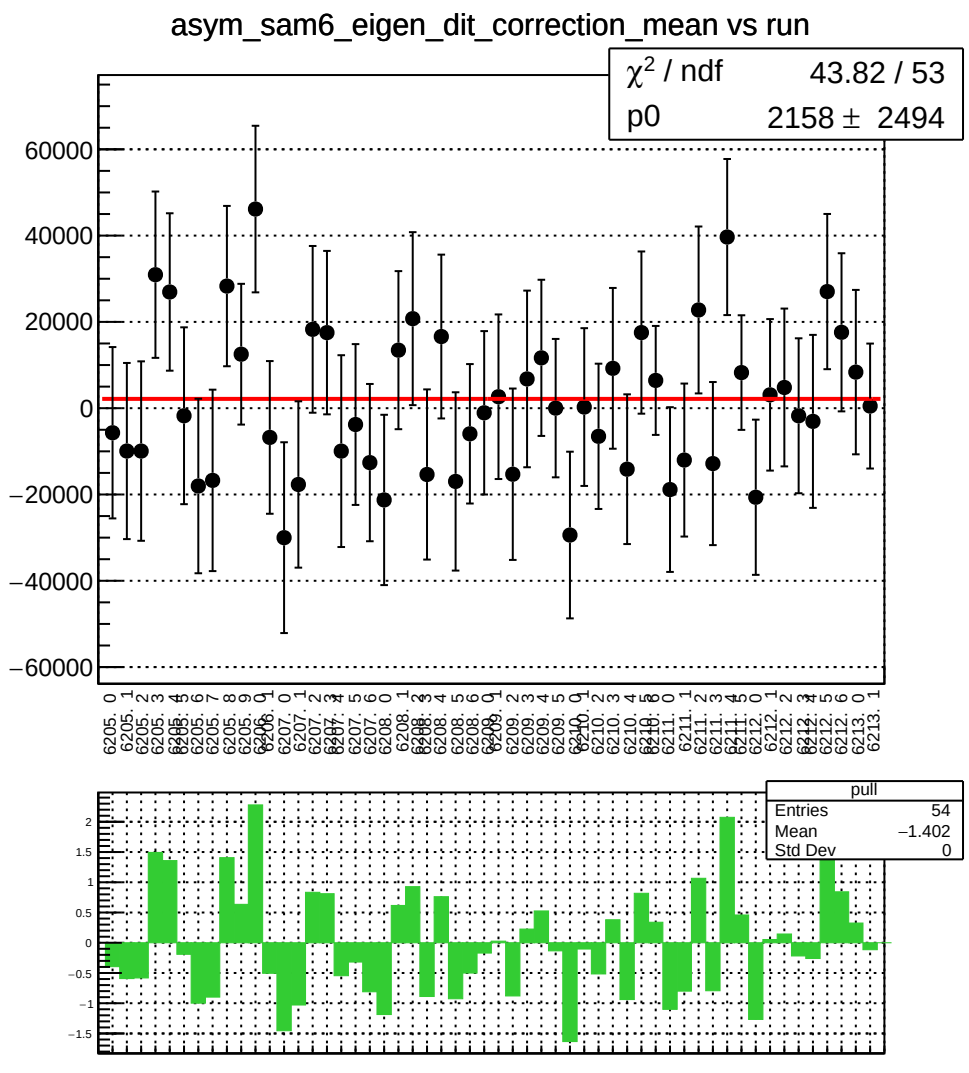

pull1D
Entries 54
Mean −0.01792
Std Dev 0.9006
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

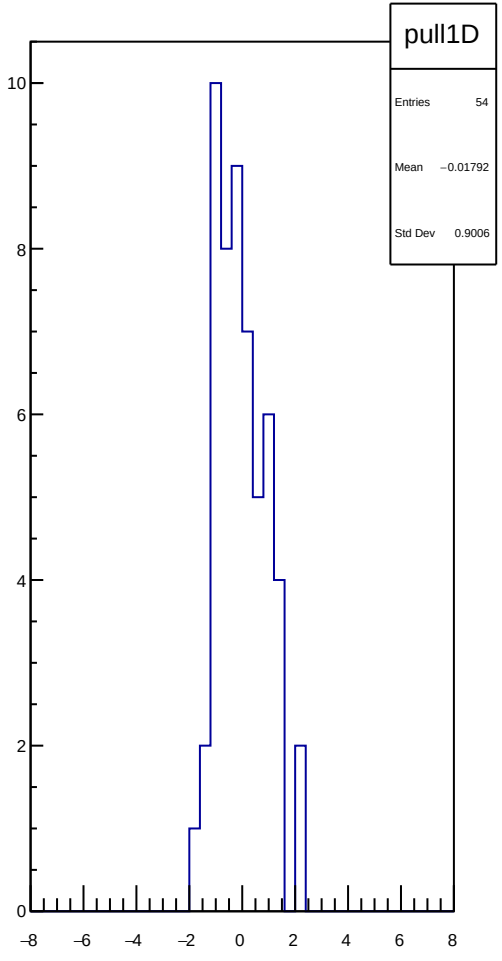

asym_sam6_dit_correction_rms vs run
χ² / ndf 3415 / 53
p0 1812 ± 1.763
2100
2000
1900
1800
1700
1600
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

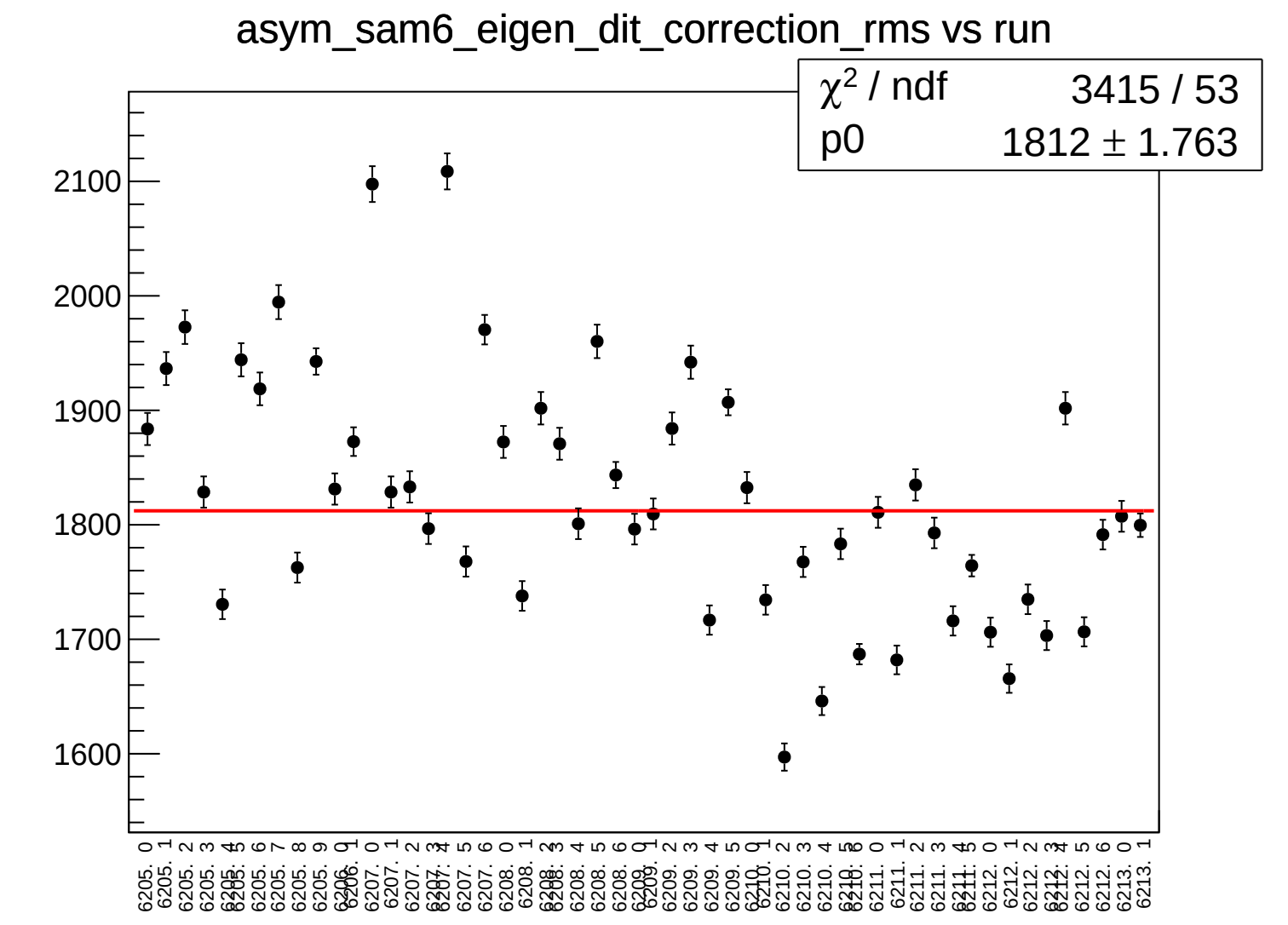

eigen_dit_asym_sam6_mean vs run
χ^2 / ndf 62.06 / 53
p0 133.4 ± 207.4
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 54
Mean 319.1
Std Dev 0
2
1
0
−1
−2

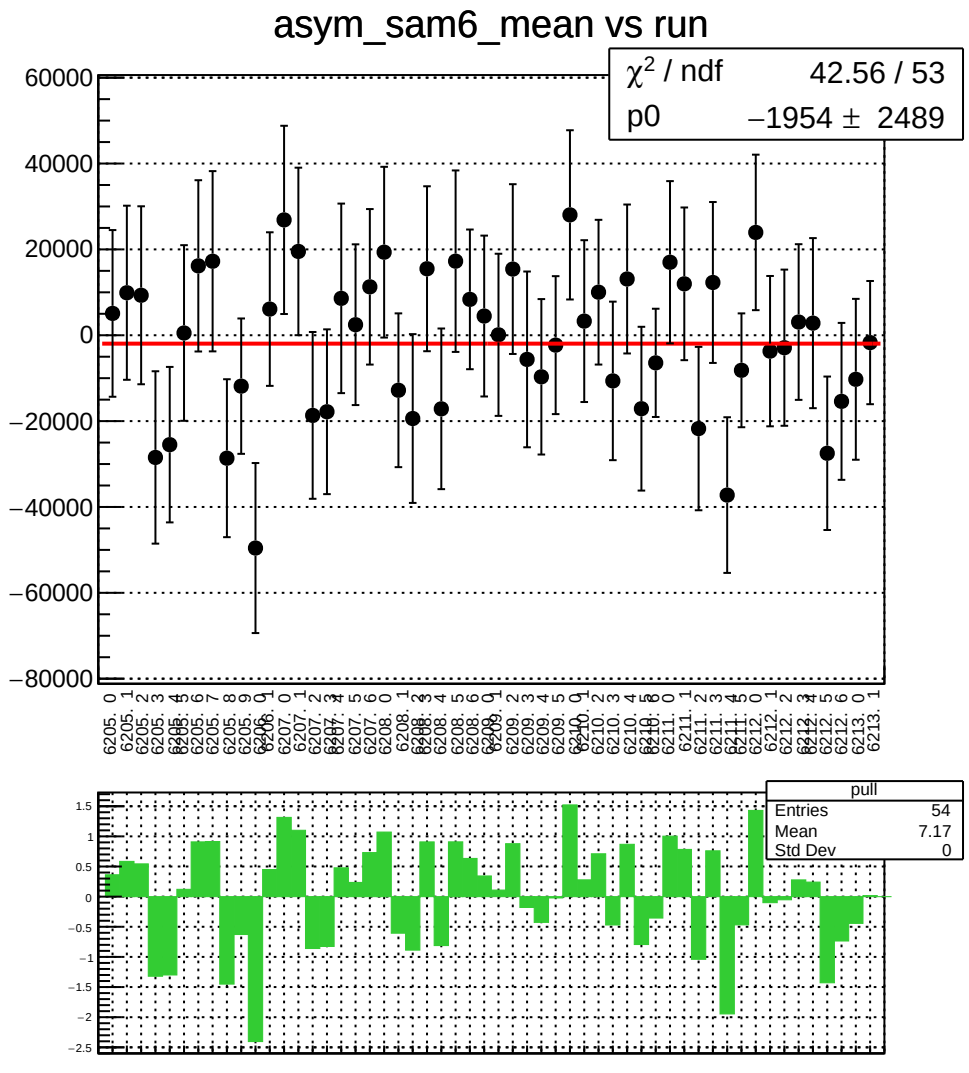

pull1D
Entries 54
Mean 0.01014
Std Dev 1.072
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

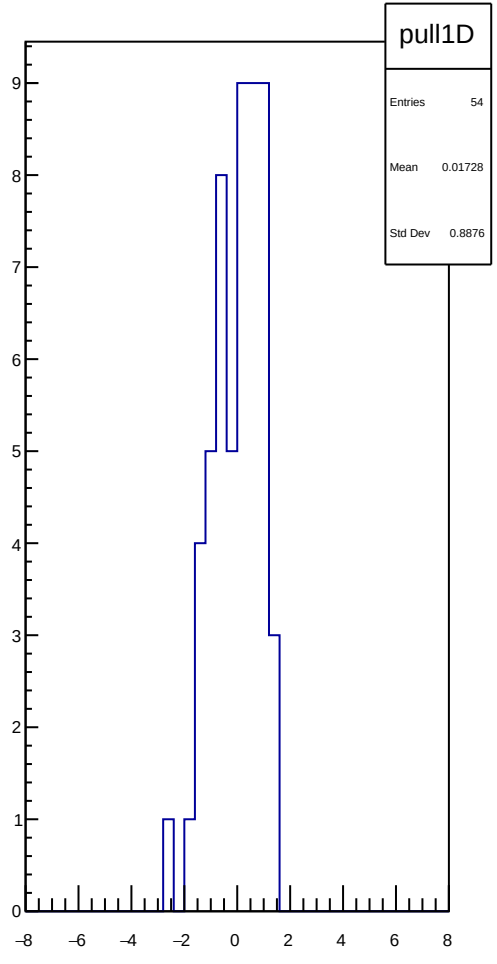

eigen_dit_asym_sam6_rms vs run
χ^2 / ndf 6733 / 53
p0 150.5 ± 0.1467
210
200
190
180
170
160
150
140
130
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

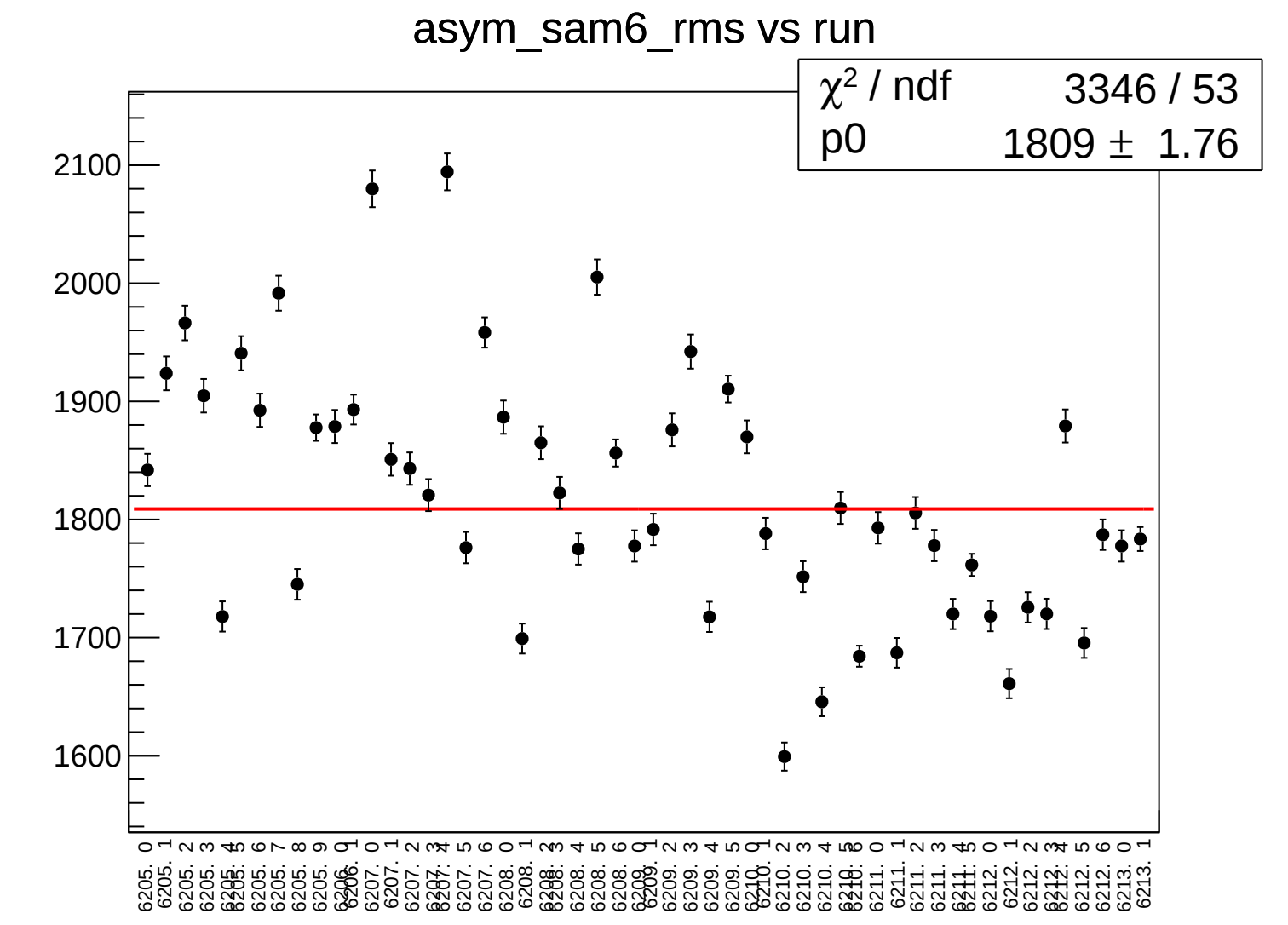

asym_sam6_eigen_dit_correction_mean vs run
χ² / ndf 43.82 / 53
p0 2158 ± 2494
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean −1.402
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

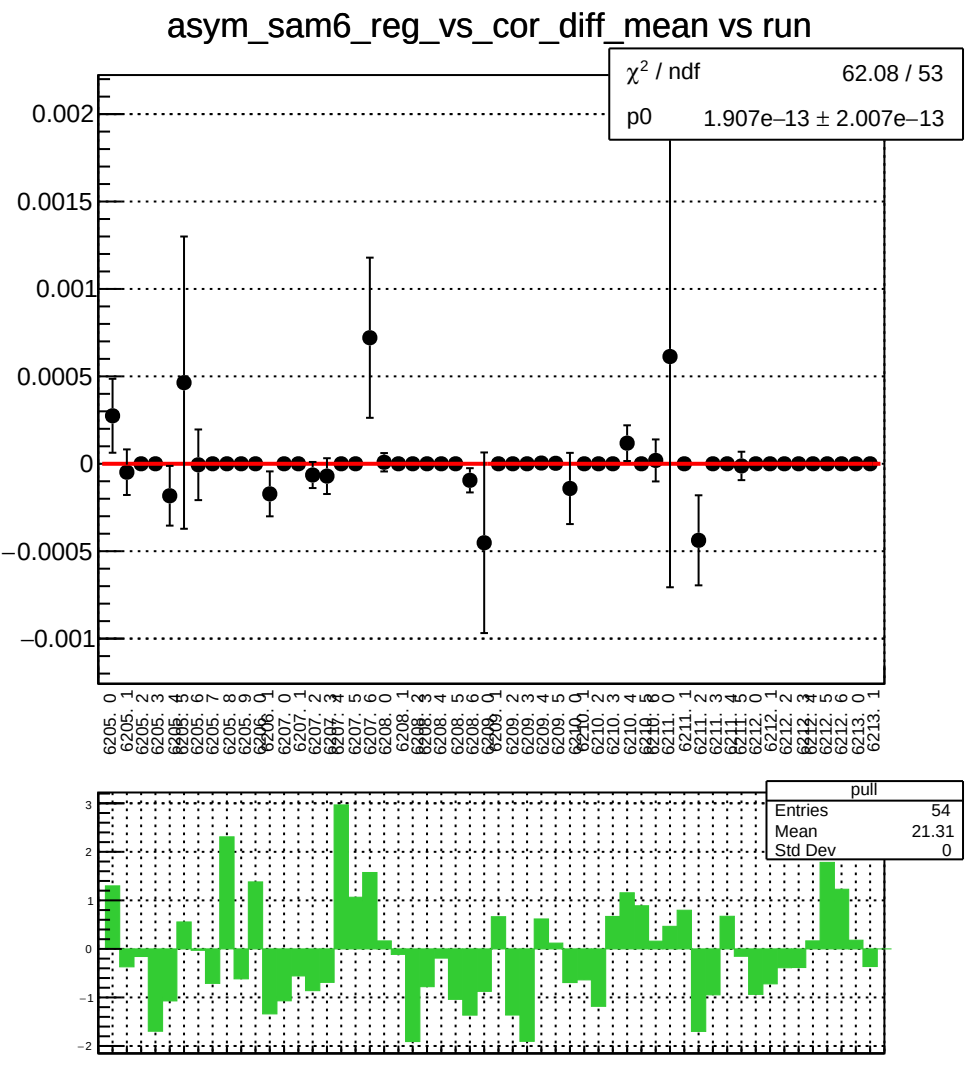

pull1D
Entries 54
Mean −0.01792
Std Dev 0.9006
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

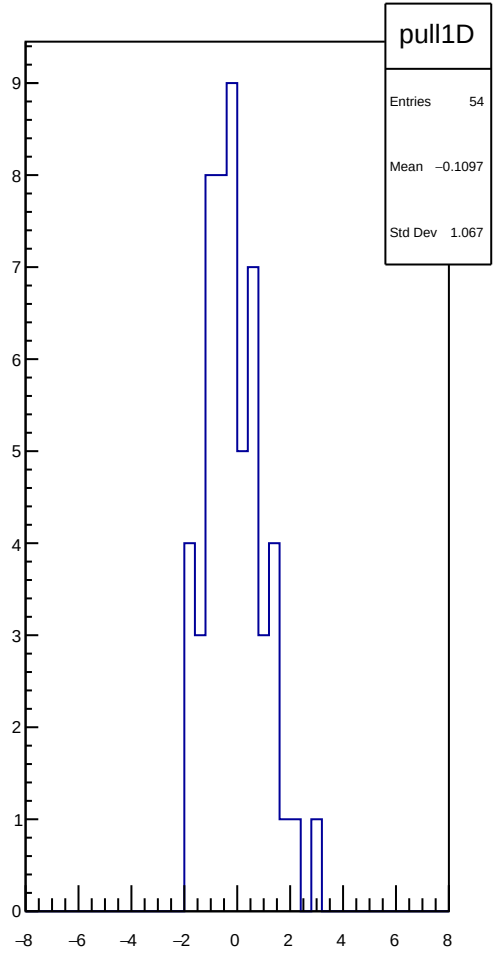

asym_sam6_eigen_dit_correction_rms vs run
χ² / ndf 3415 / 53
p0 1812 ± 1.763
2100
2000
1900
1800
1700
1600
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

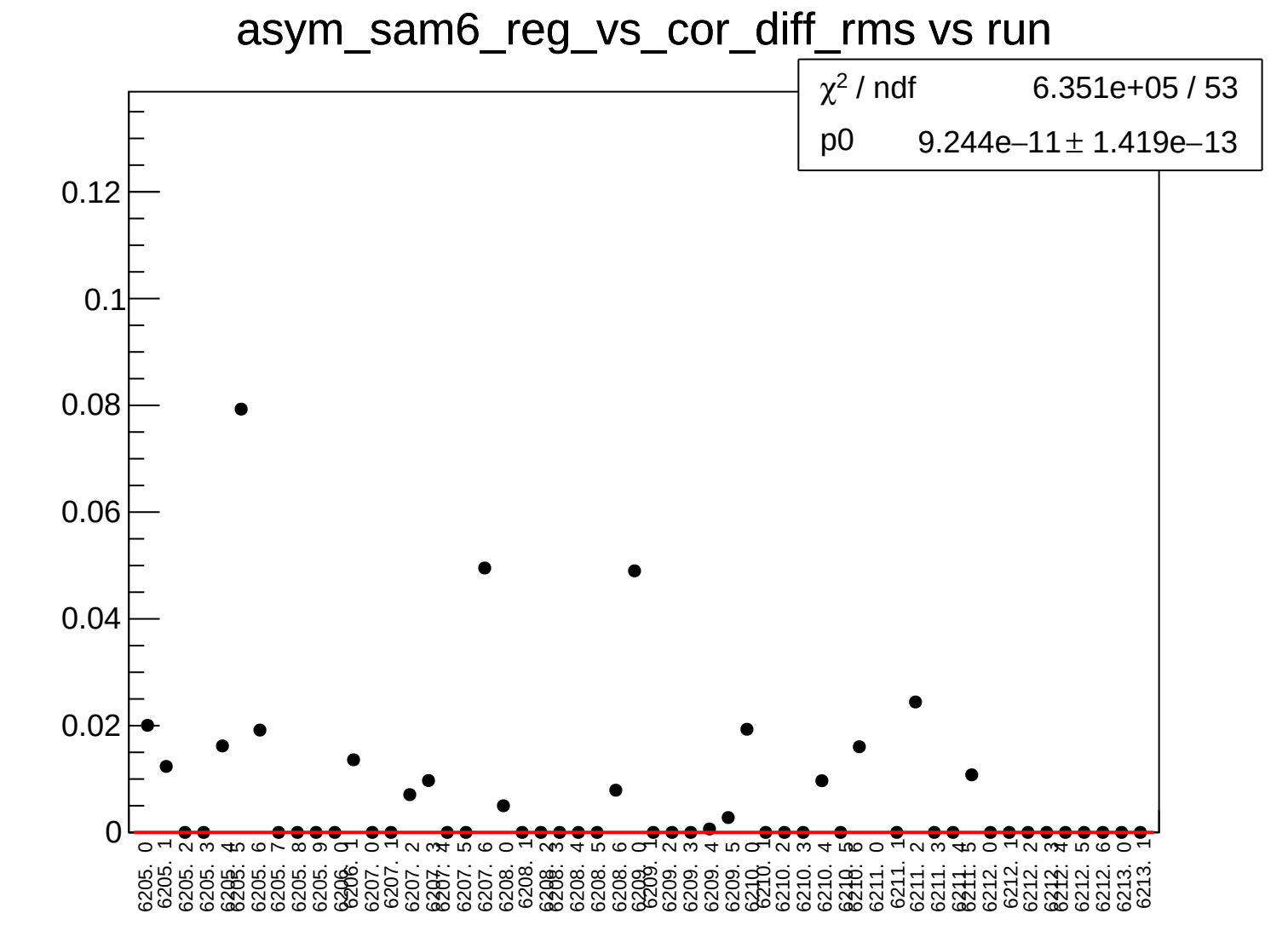

asym_sam6_mean vs run
χ² / ndf 42.56 / 53
p0 −1954 ± 2489
pull
Entries 54
Mean 7.17
Std Dev 0

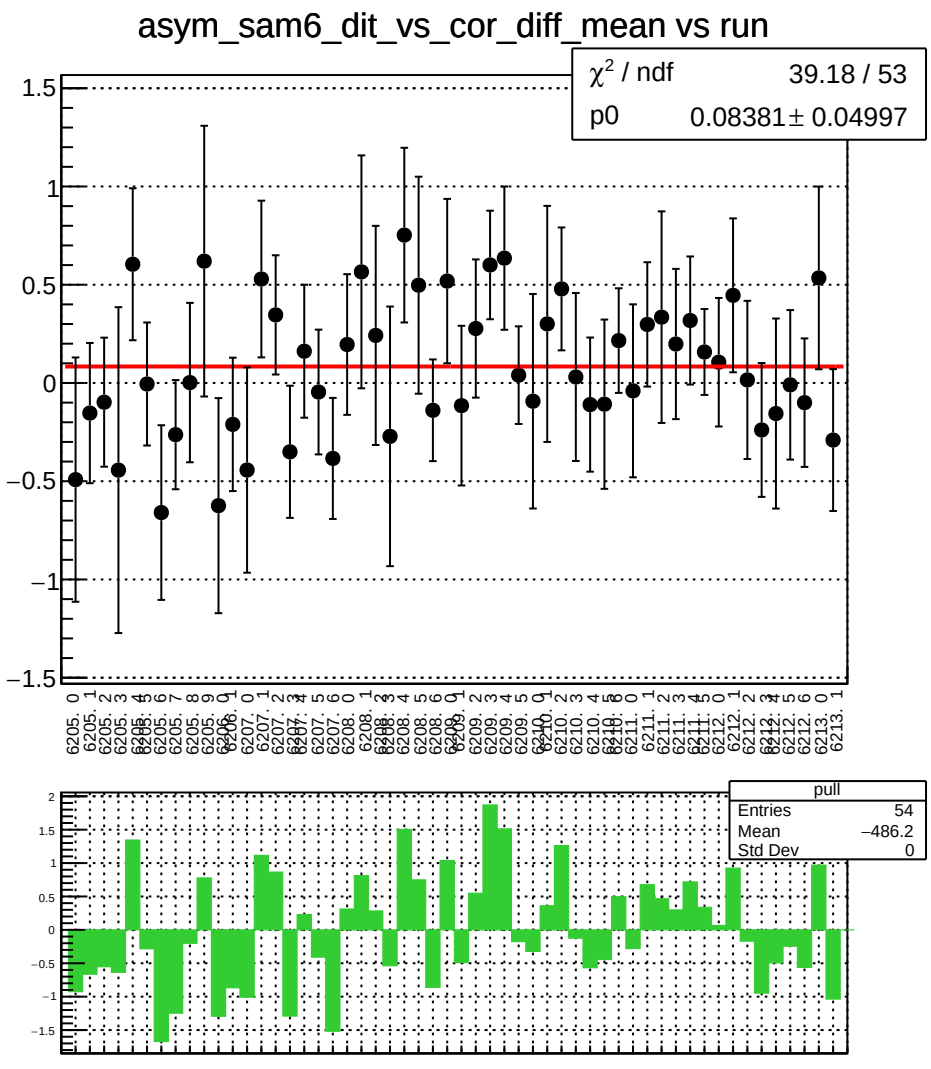

pull1D
Entries 54
Mean 0.01728
Std Dev 0.8876

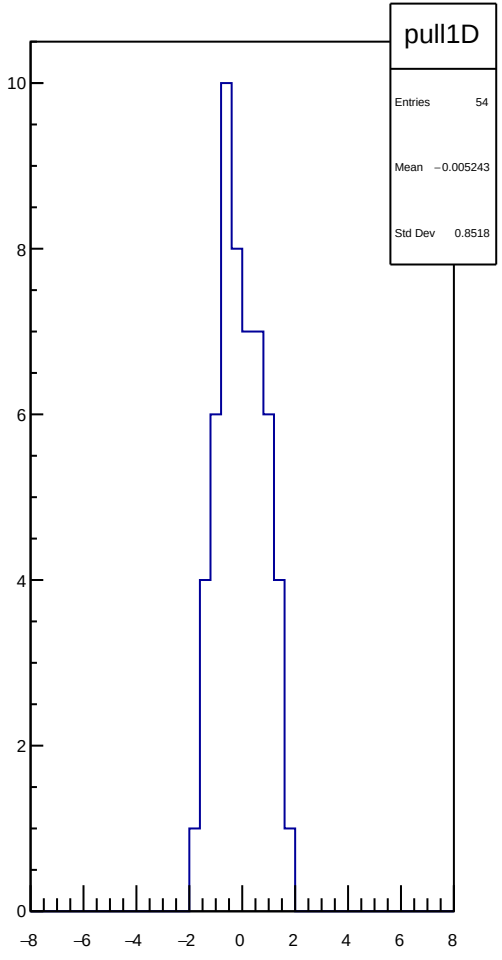

asym_sam6_rms vs run
χ² / ndf 3346 / 53
p0 1809 ± 1.76
2100
2000
1900
1800
1700
1600
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

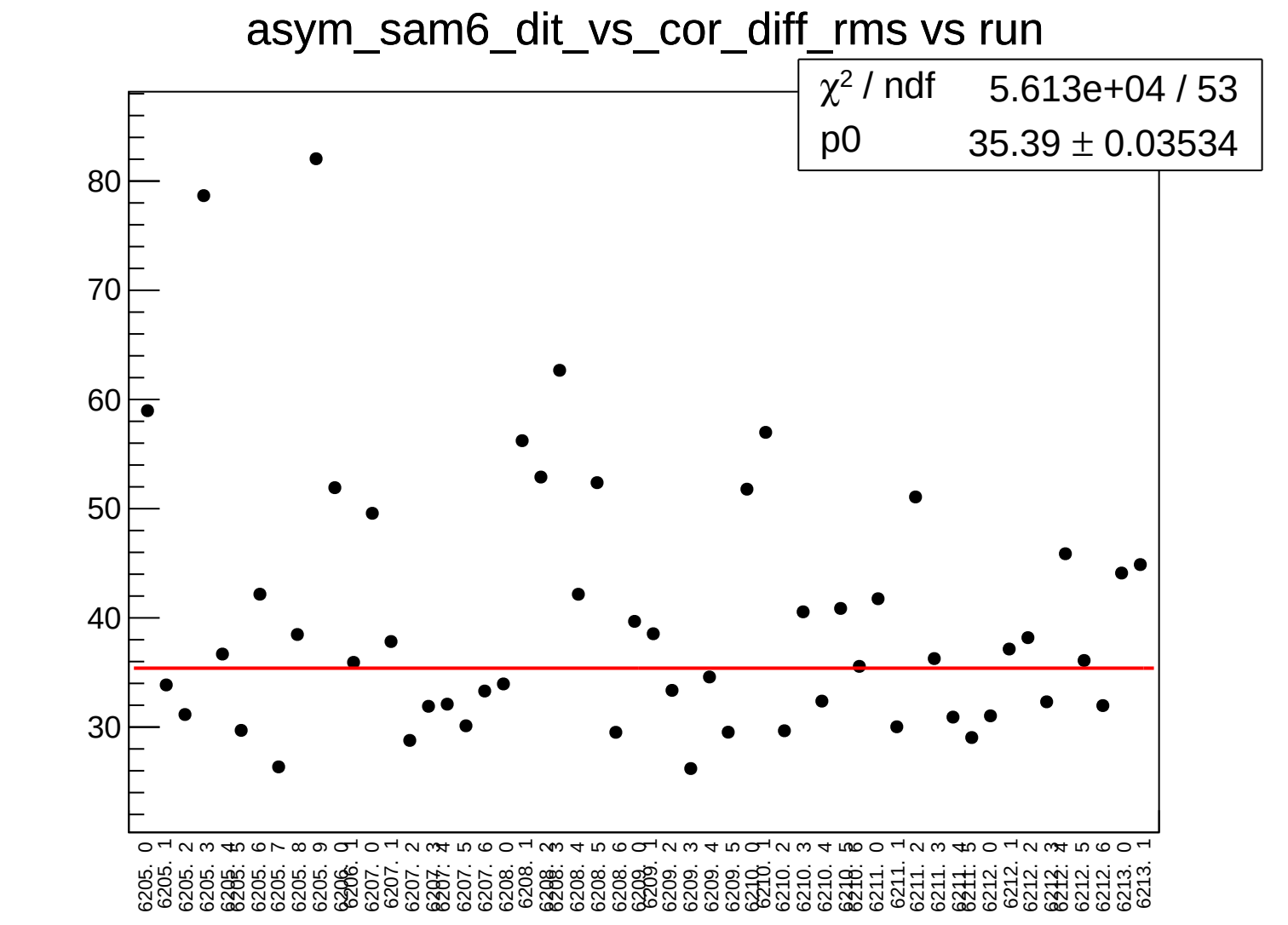

asym_sam6_reg_vs_cor_diff_mean vs run
χ² / ndf 62.08 / 53
p0 1.907e−13 ± 2.007e−13
0.002
0.0015
0.001
0.0005
0
−0.0005
−0.001
pull
Entries 54
Mean 21.31
Std Dev 0

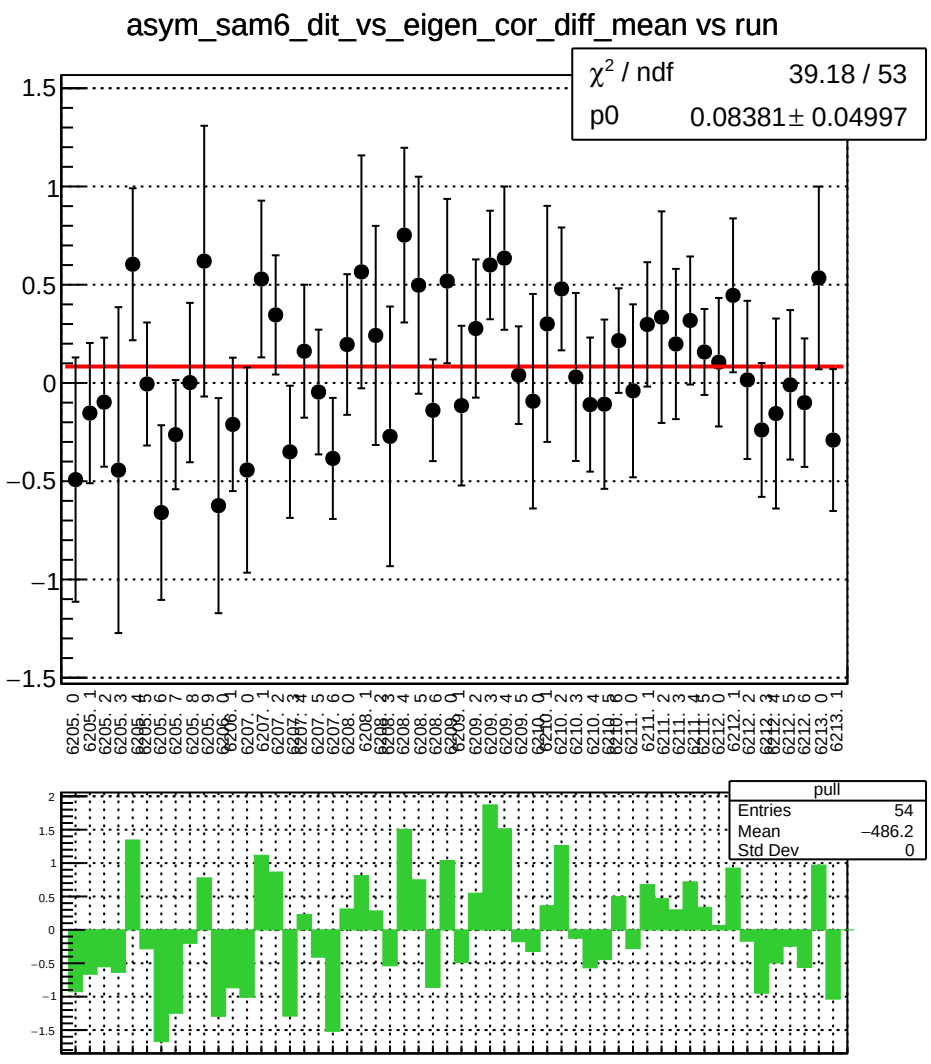

pull1D
Entries 54
Mean −0.1097
Std Dev 1.067

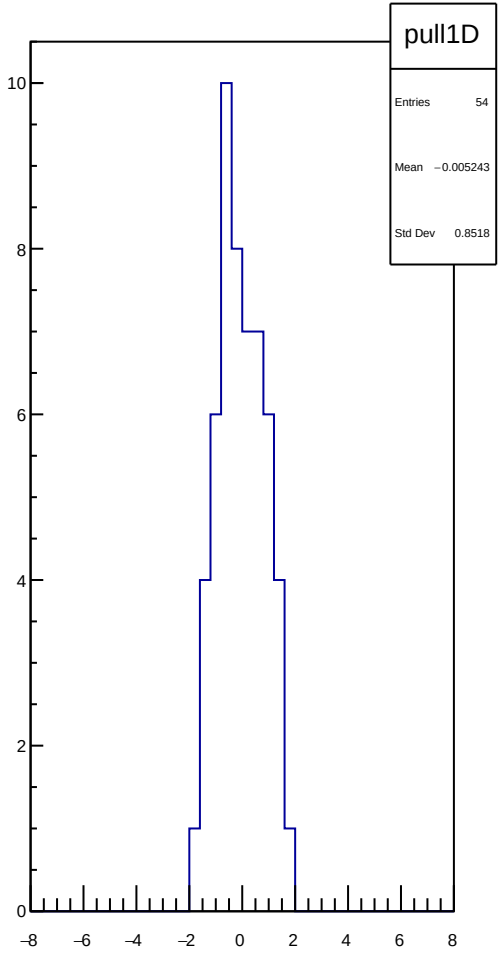

asym_sam6_reg_vs_cor_diff_rms vs run
χ² / ndf 6.351e+05 / 53
p0 9.244e−11 ± 1.419e−13
0.12
0.1
0.08
0.06
0.04
0.02
0

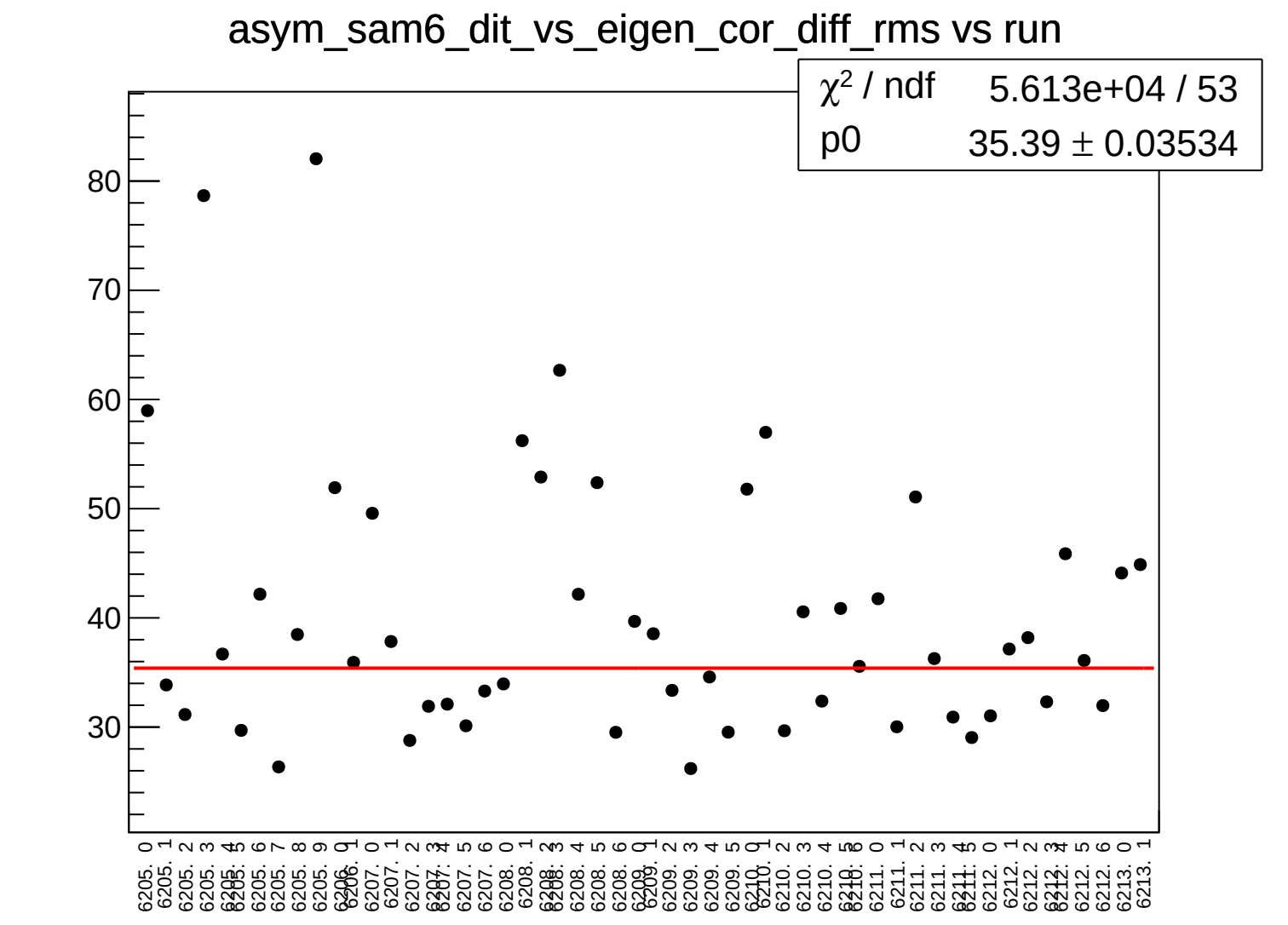

asym_sam6_dit_vs_cor_diff_mean vs run
χ² / ndf 39.18 / 53
p0 0.08381 ± 0.04997
pull
Entries 54
Mean −486.2
Std Dev 0

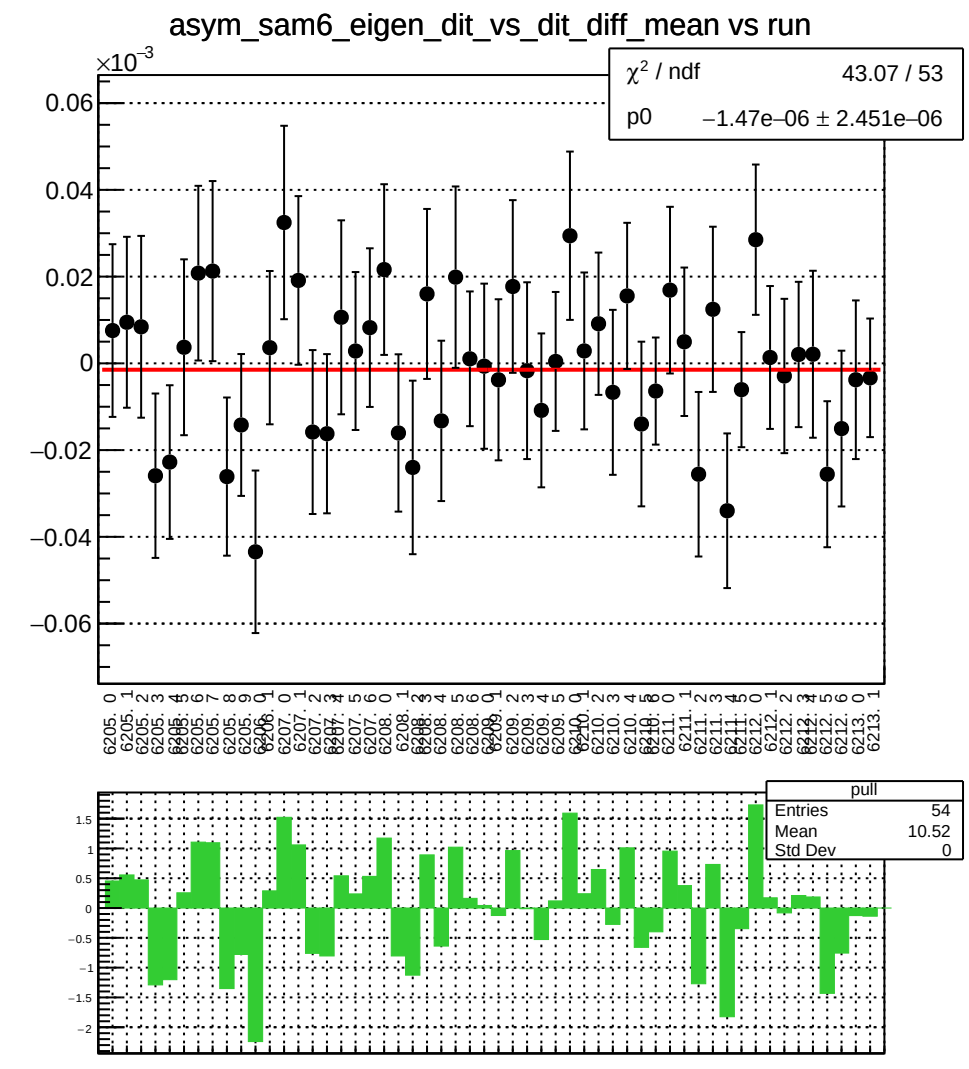

pull1D
Entries 54
Mean −0.005243
Std Dev 0.8518

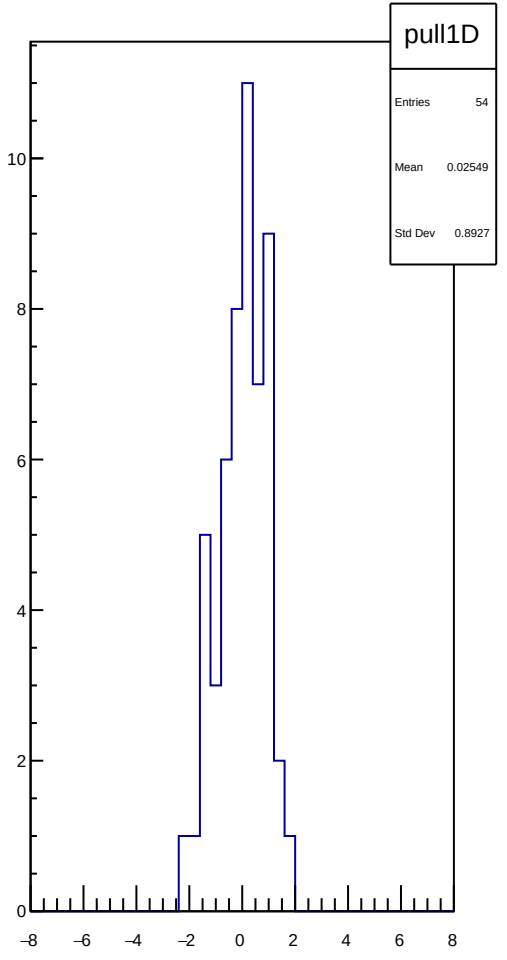

asym_sam6_dit_vs_cor_diff_rms vs run
χ^2 / ndf 5.613e+04 / 53
p0 35.39 ± 0.03534
80
70
60
50
40
30
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 1
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

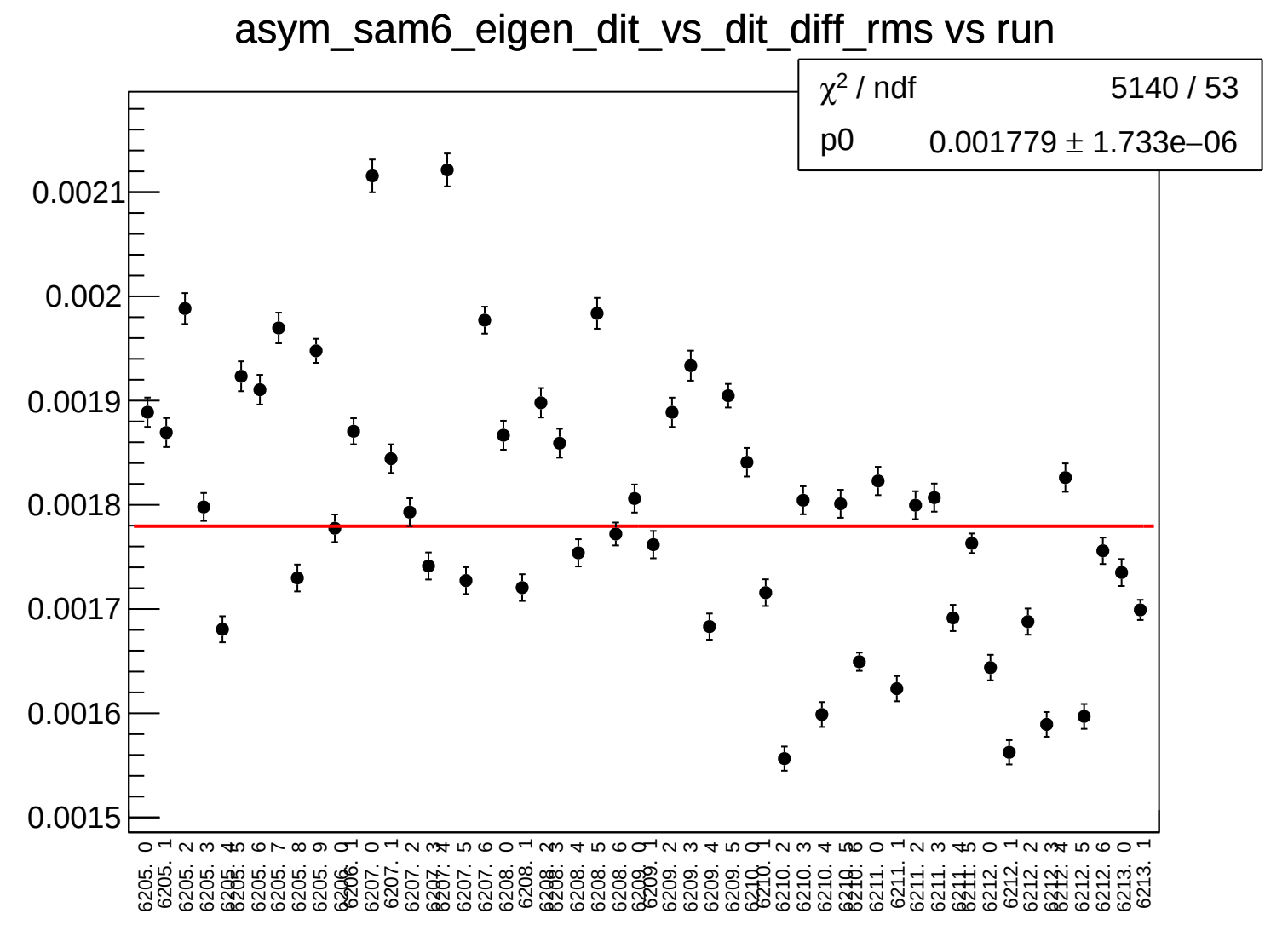

asym_sam6_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 39.18 / 53
p0 0.08381 ± 0.04997
pull
Entries 54
Mean −486.2
Std Dev 0

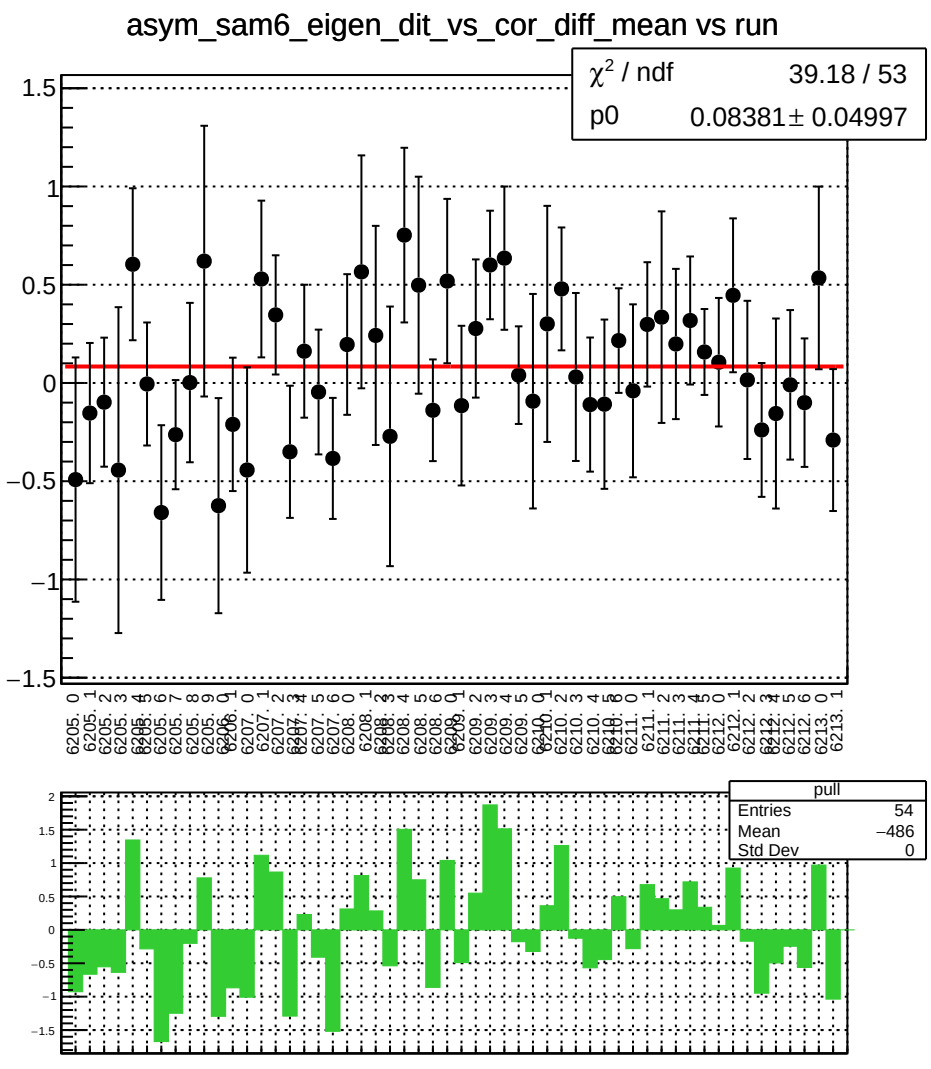

pull1D
Entries 54
Mean −0.005243
Std Dev 0.8518

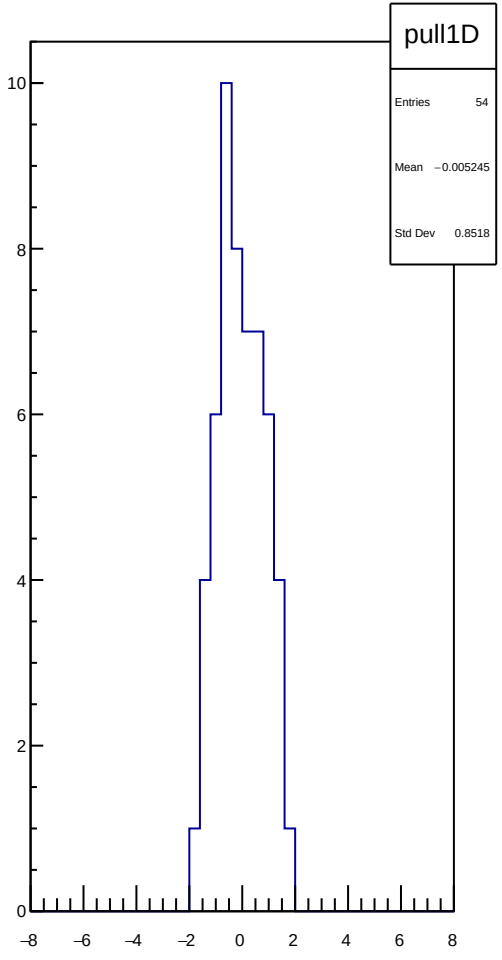

asym_sam6_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.613e+04 / 53
p0 35.39 ± 0.03534
80
70
60
50
40
30
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

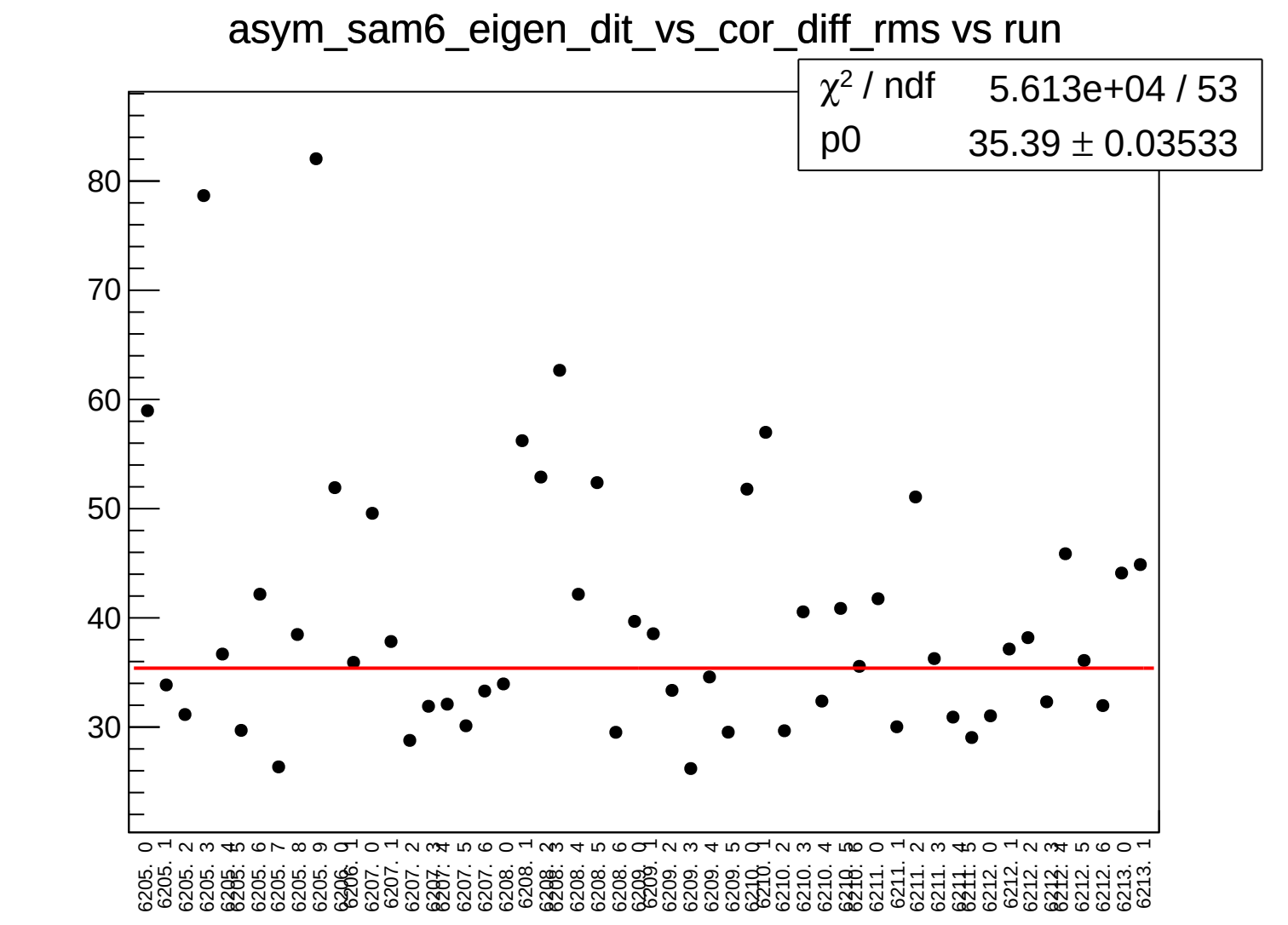

asym_sam6_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 43.07 / 53
p0 −1.47e−06 ± 2.451e−06
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
pull
Entries 54
Mean 10.52
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

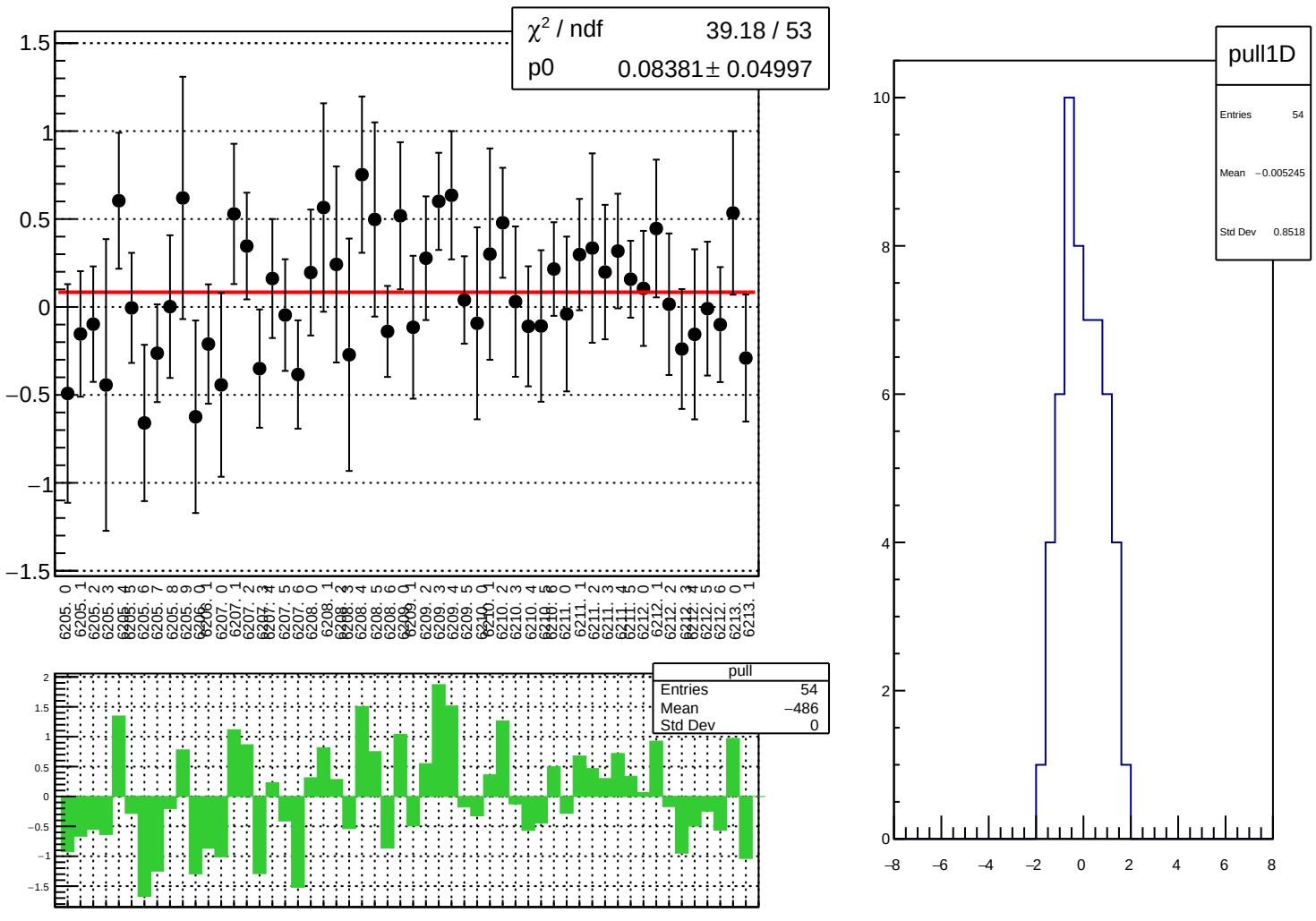

pull1D
Entries 54
Mean 0.02549
Std Dev 0.8927
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

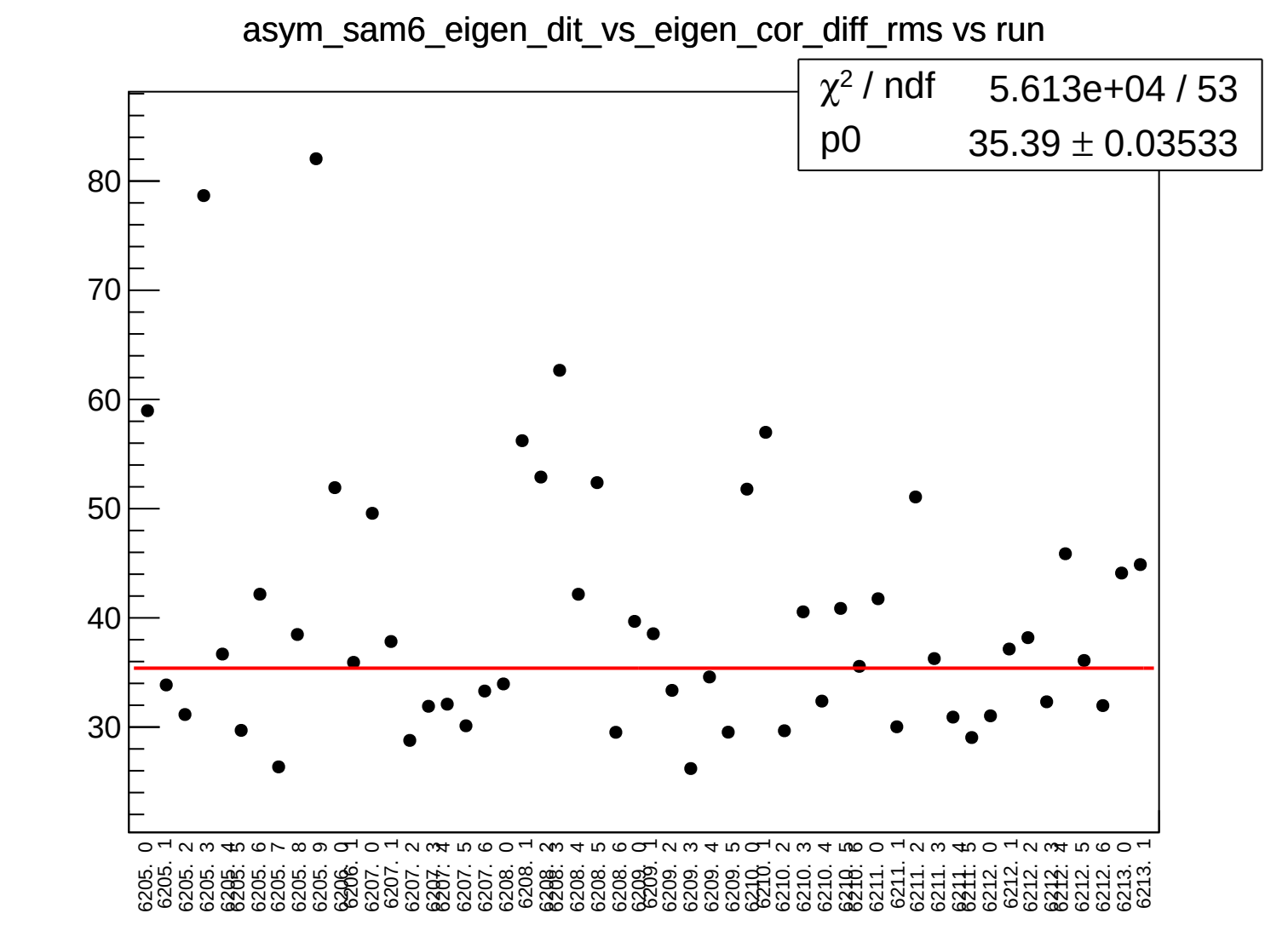

asym_sam6_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5140 / 53
p0 0.001779 ± 1.733e−06
0.0021
0.002
0.0019
0.0018
0.0017
0.0016
0.0015
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

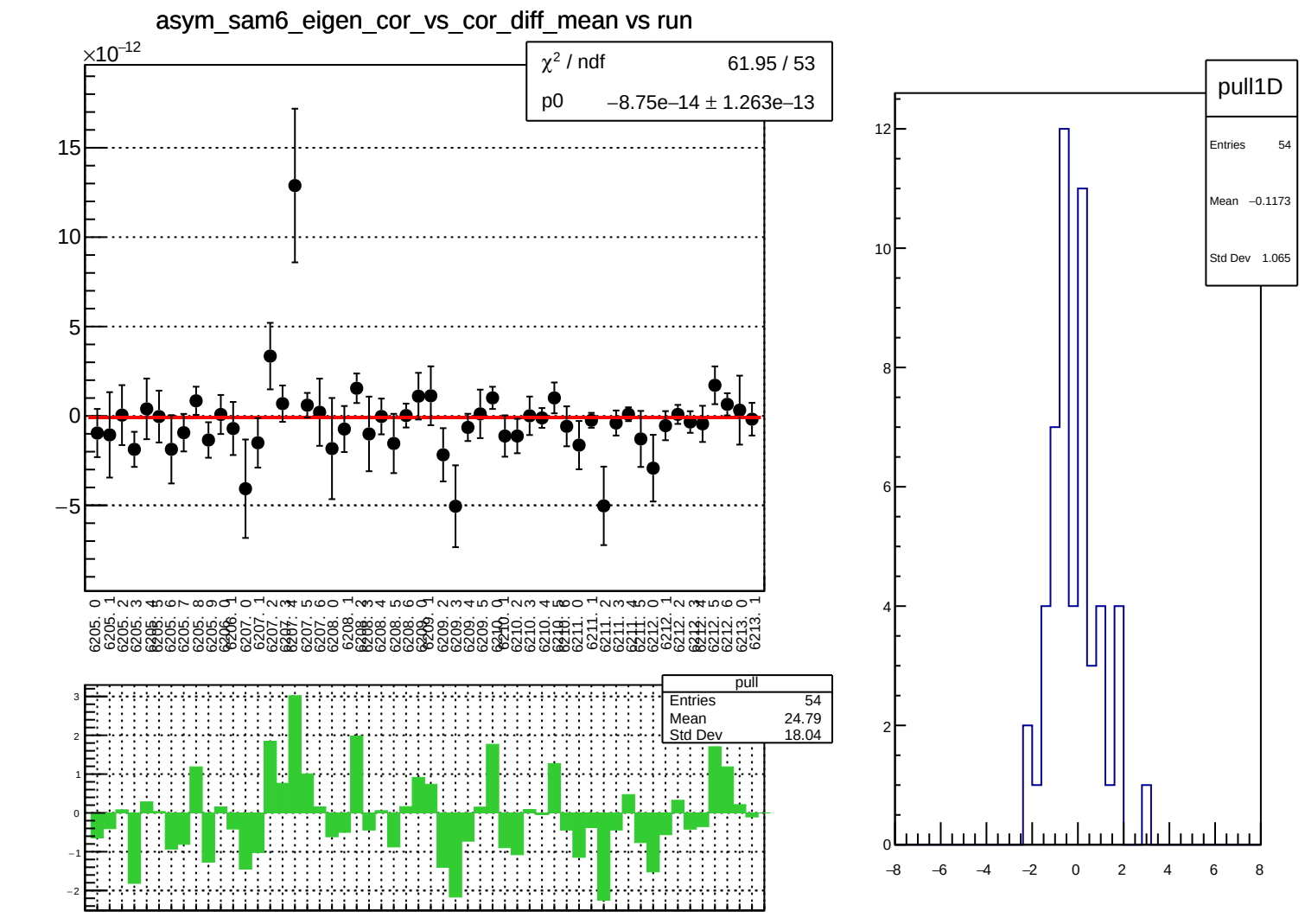

asym_sam6_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 39.18 / 53
p0 0.08381 ± 0.04997
pull
Entries 54
Mean −486
Std Dev 0

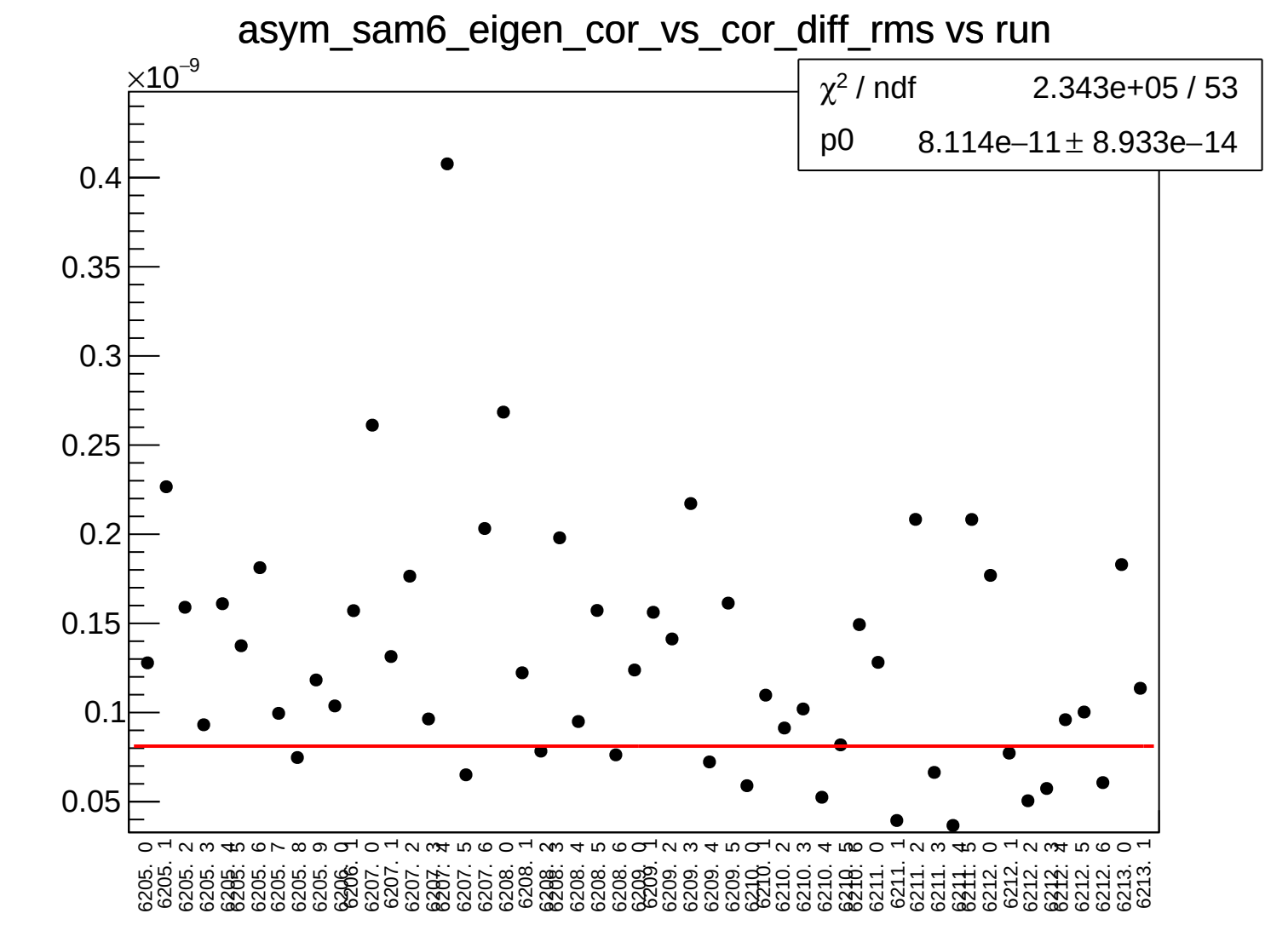

pull1D
Entries 54
Mean −0.005245
Std Dev 0.8518

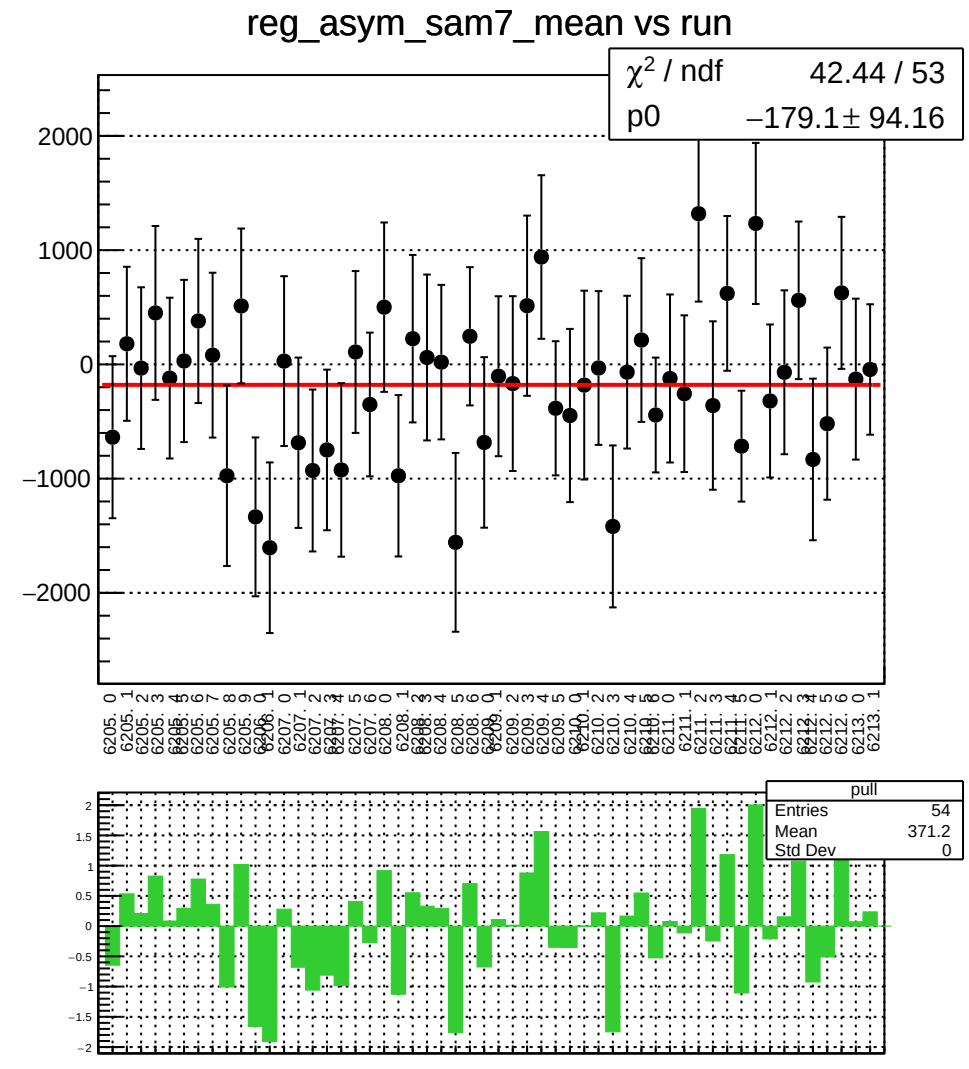

asym_sam6_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.613e+04 / 53
p0 35.39 ± 0.03533
80
70
60
50
40
30
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

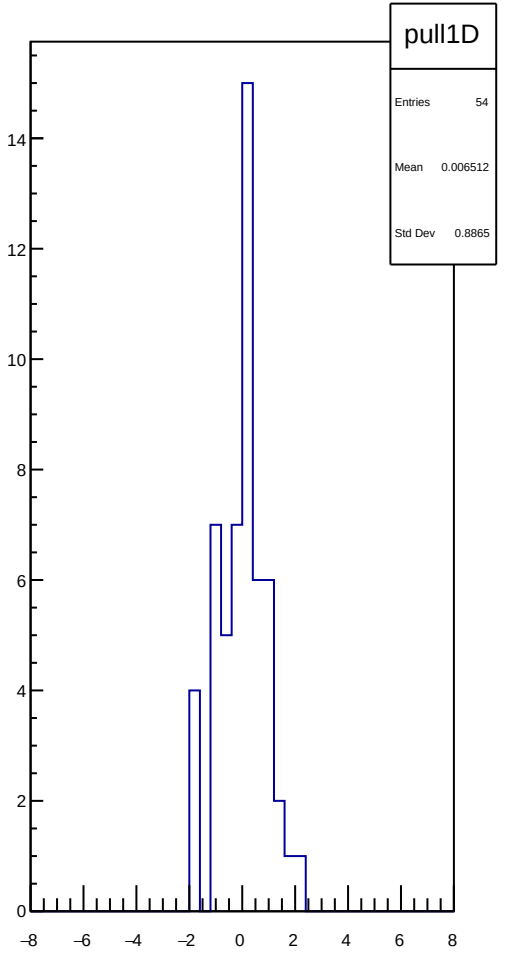

asym_sam6_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 39.18 / 53
p0 0.08381 ± 0.04997
pull
Entries 54
Mean −486
Std Dev 0
pull1D
Entries 54
Mean −0.005245
Std Dev 0.8518

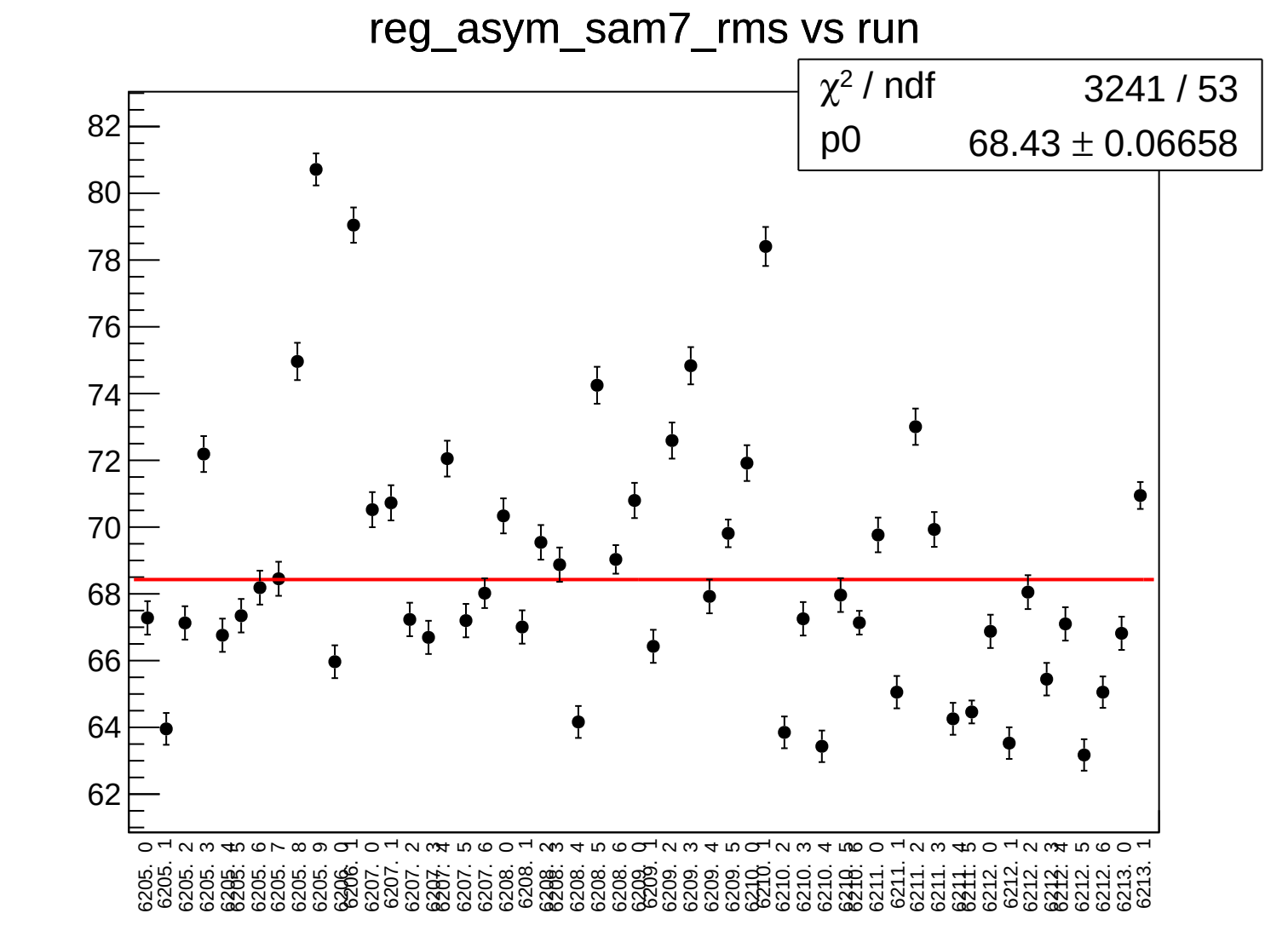

asym_sam6_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.613e+04 / 53
p0 35.39 ± 0.03533
80
70
60
50
40
30
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

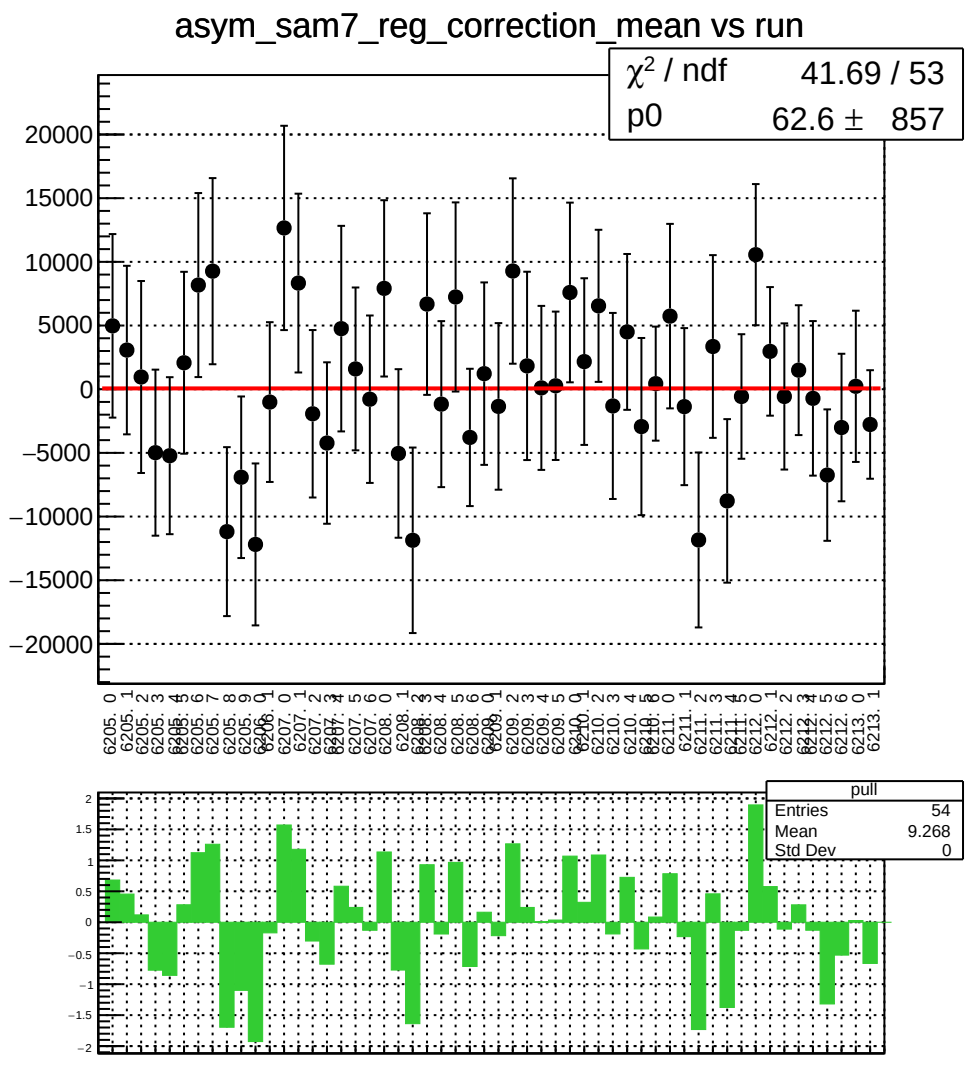

asym_sam6_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 61.95 / 53
p0 −8.75e−14 ± 1.263e−13
15
10
5
0
−5
pull
Entries 54
Mean 24.79
Std Dev 18.04
3
2
1
0
−1
−2
pull1D
Entries 54
Mean −0.1173
Std Dev 1.065
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

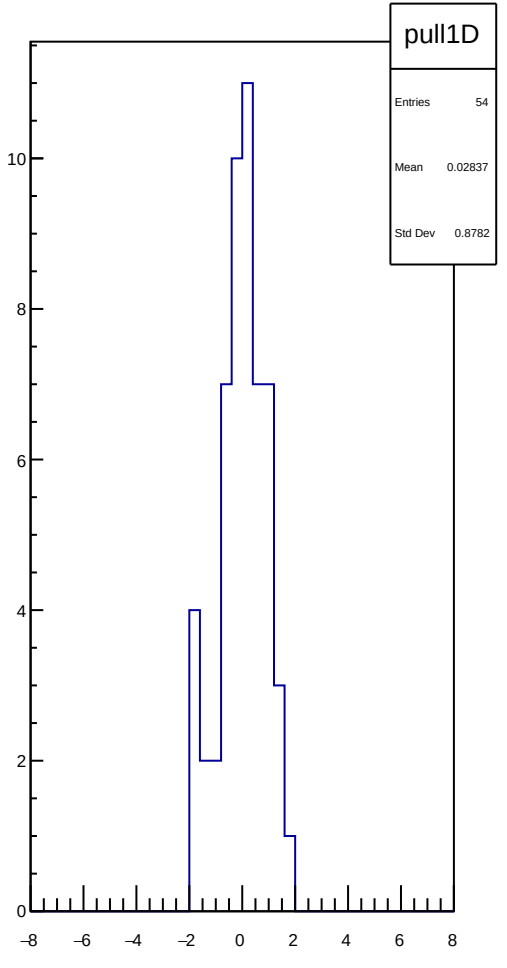

asym_sam6_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.343e+05 / 53
p0 8.114e−11 ± 8.933e−14
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 1
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

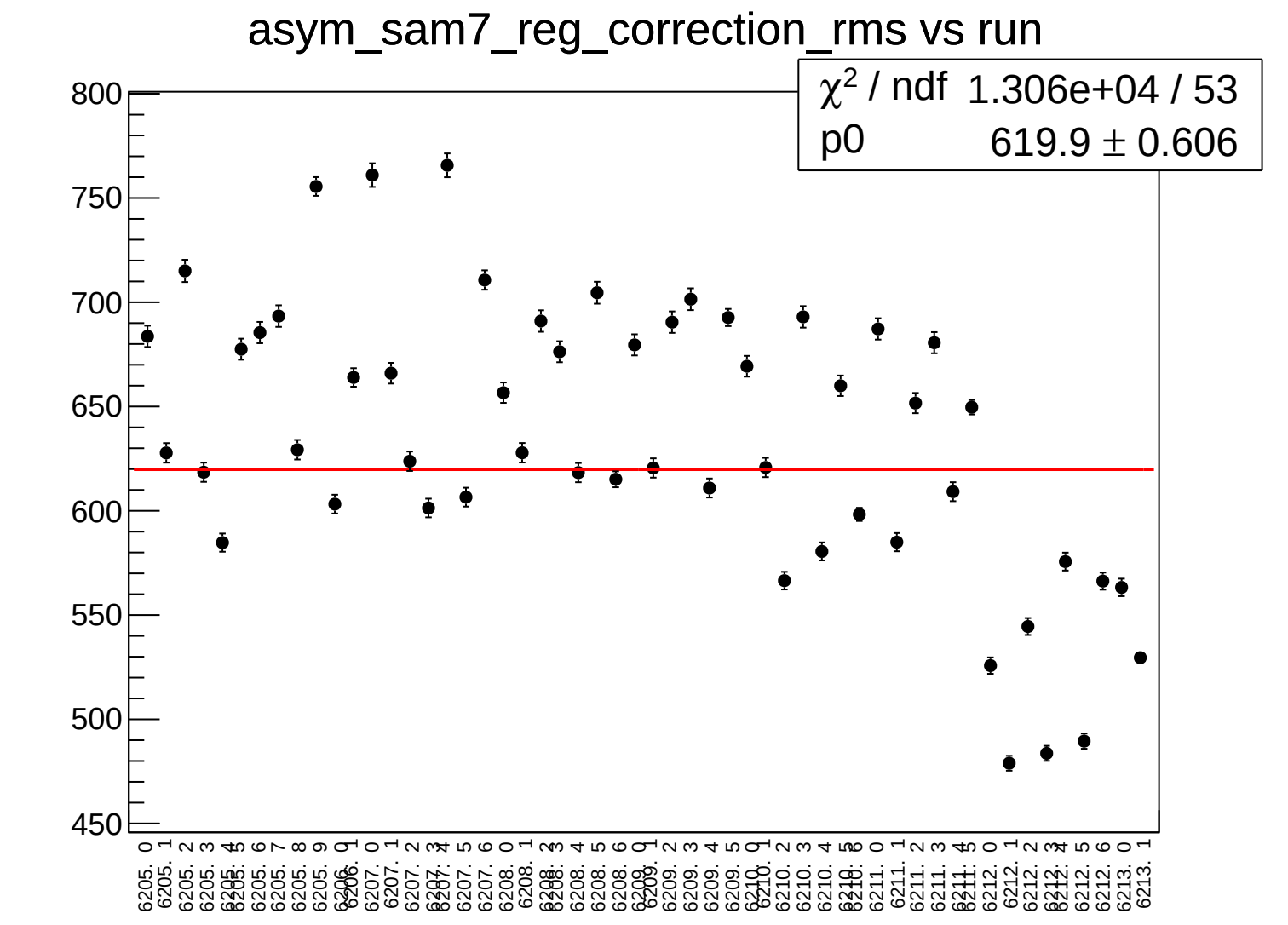

reg_asym_sam7_mean vs run
χ² / ndf 42.44 / 53
p0 −179.1± 94.16
2000
1000
0
−1000
−2000
pull
Entries 54
Mean 371.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

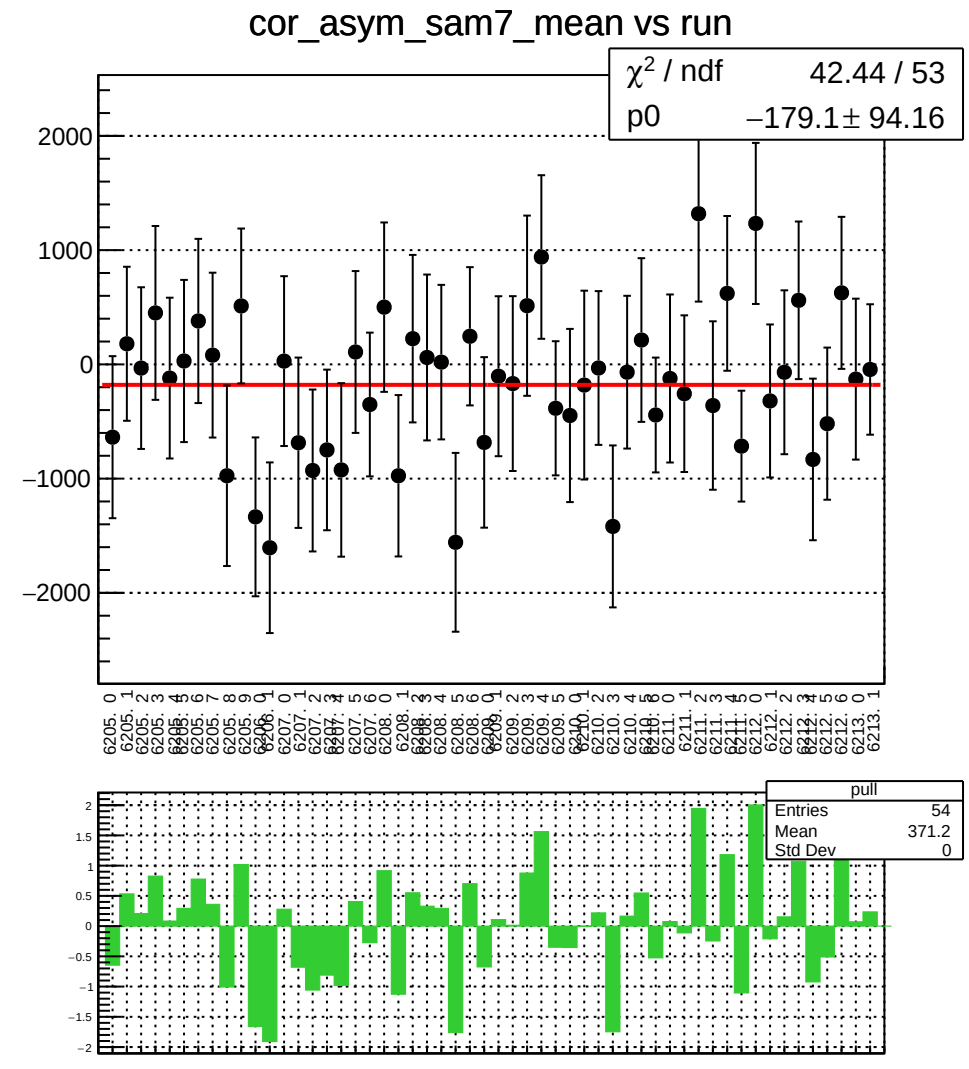

pull1D
Entries 54
Mean 0.006512
Std Dev 0.8865
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

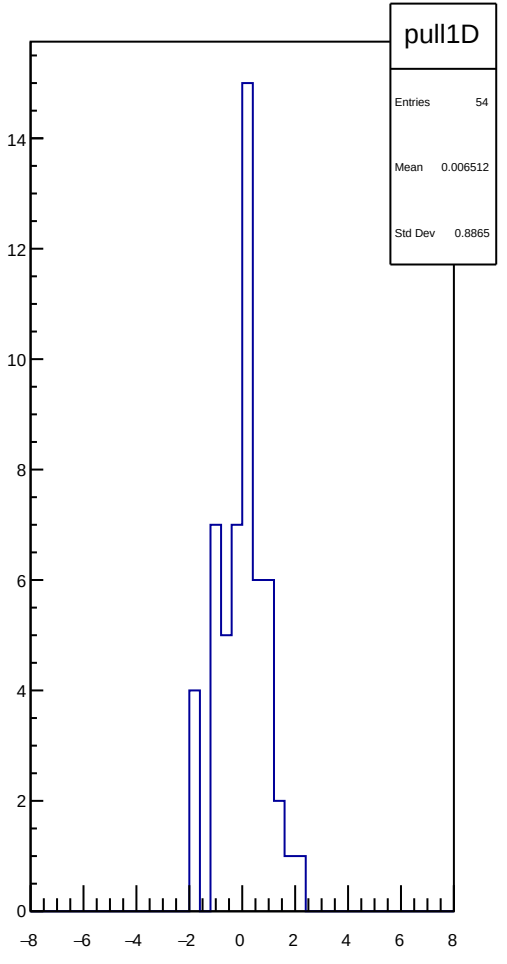

reg_asym_sam7_rms vs run
χ² / ndf 3241 / 53
p0 68.43 ± 0.06658
82
80
78
76
74
72
70
68
66
64
62
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

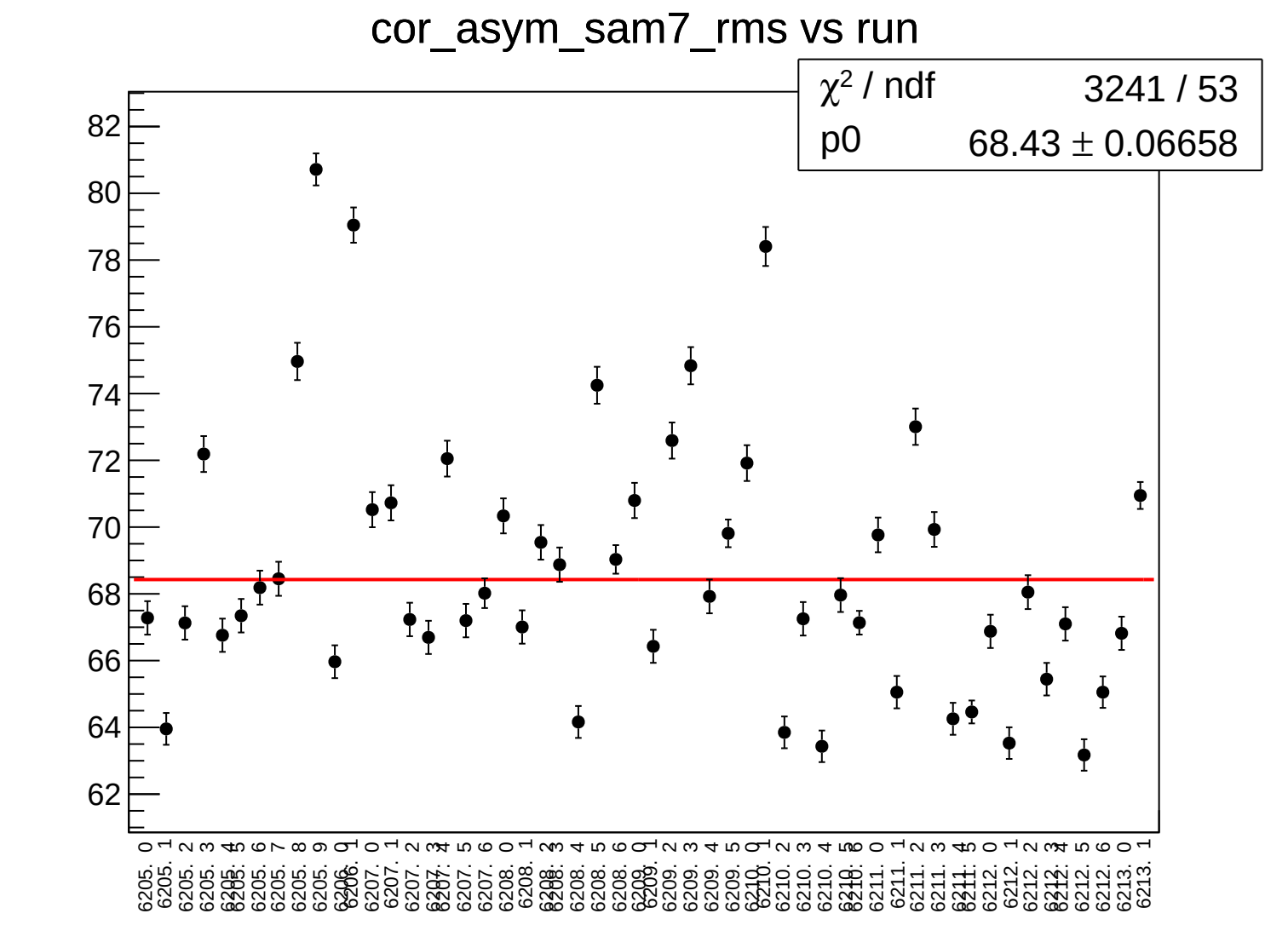

asym_sam7_reg_correction_mean vs run
χ² / ndf 41.69 / 53
p0 62.6 ± 857
pull
Entries 54
Mean 9.268
Std Dev 0

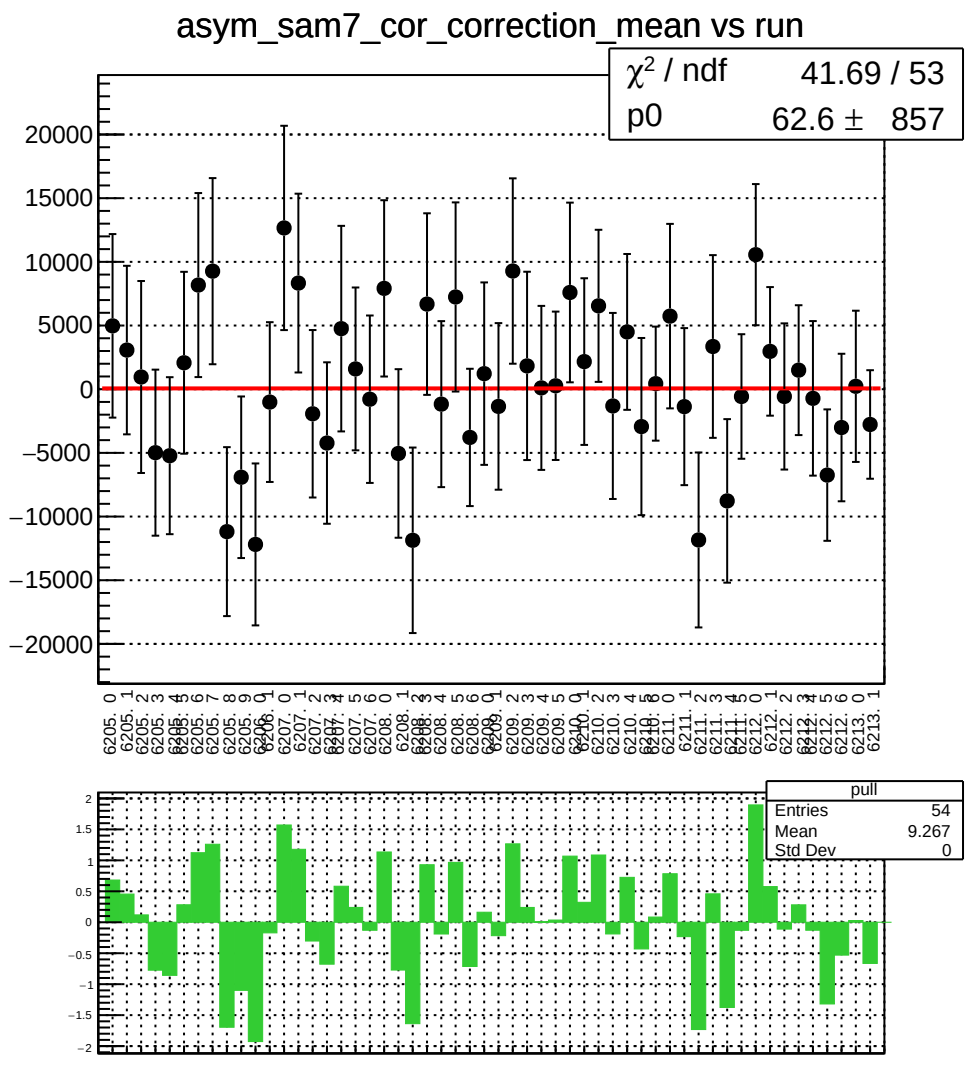

pull1D
Entries 54
Mean 0.02837
Std Dev 0.8782

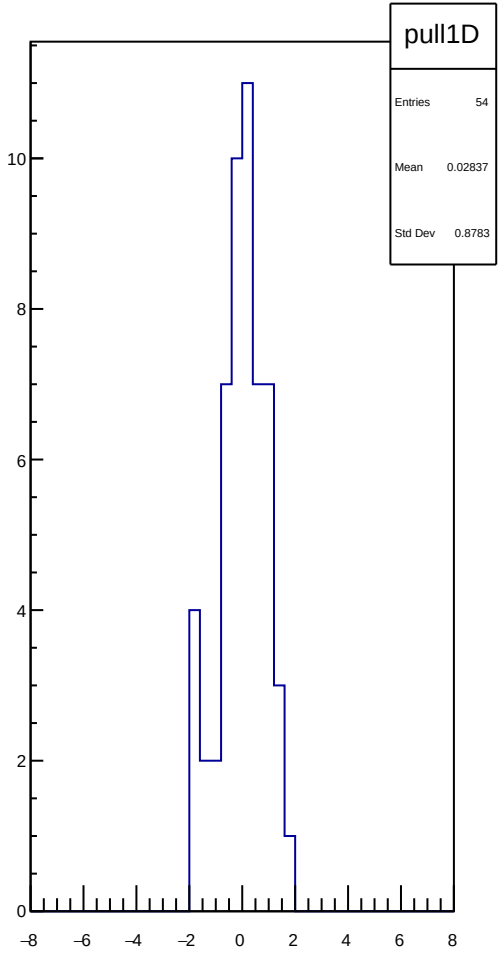

asym_sam7_reg_correction_rms vs run
χ² / ndf 1.306e+04 / 53
p0 619.9 ± 0.606
800
750
700
650
600
550
500
450
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

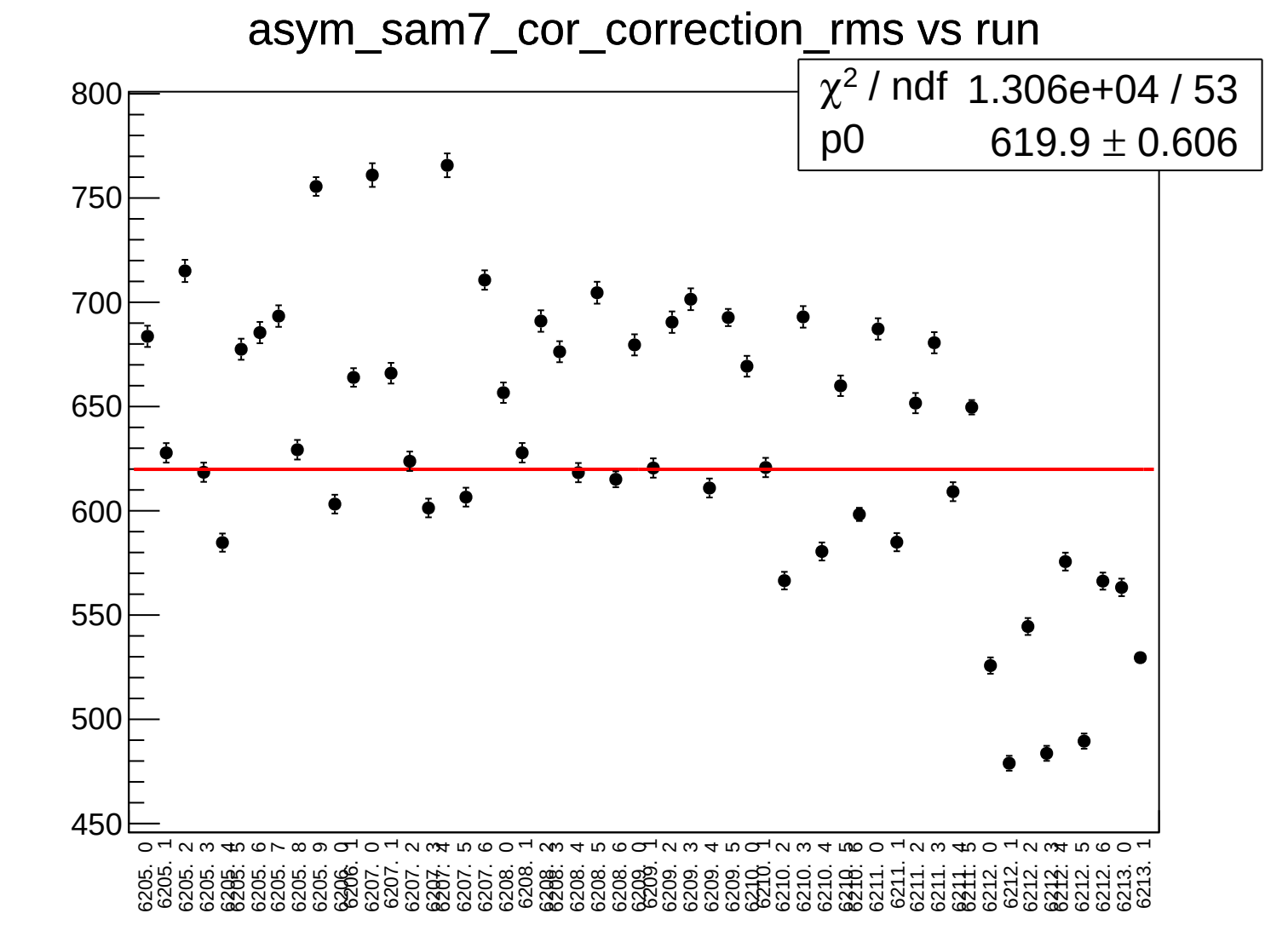

cor_asym_sam7_mean vs run
χ² / ndf 42.44 / 53
p0 −179.1± 94.16
2000
1000
0
−1000
−2000
pull
Entries 54
Mean 371.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

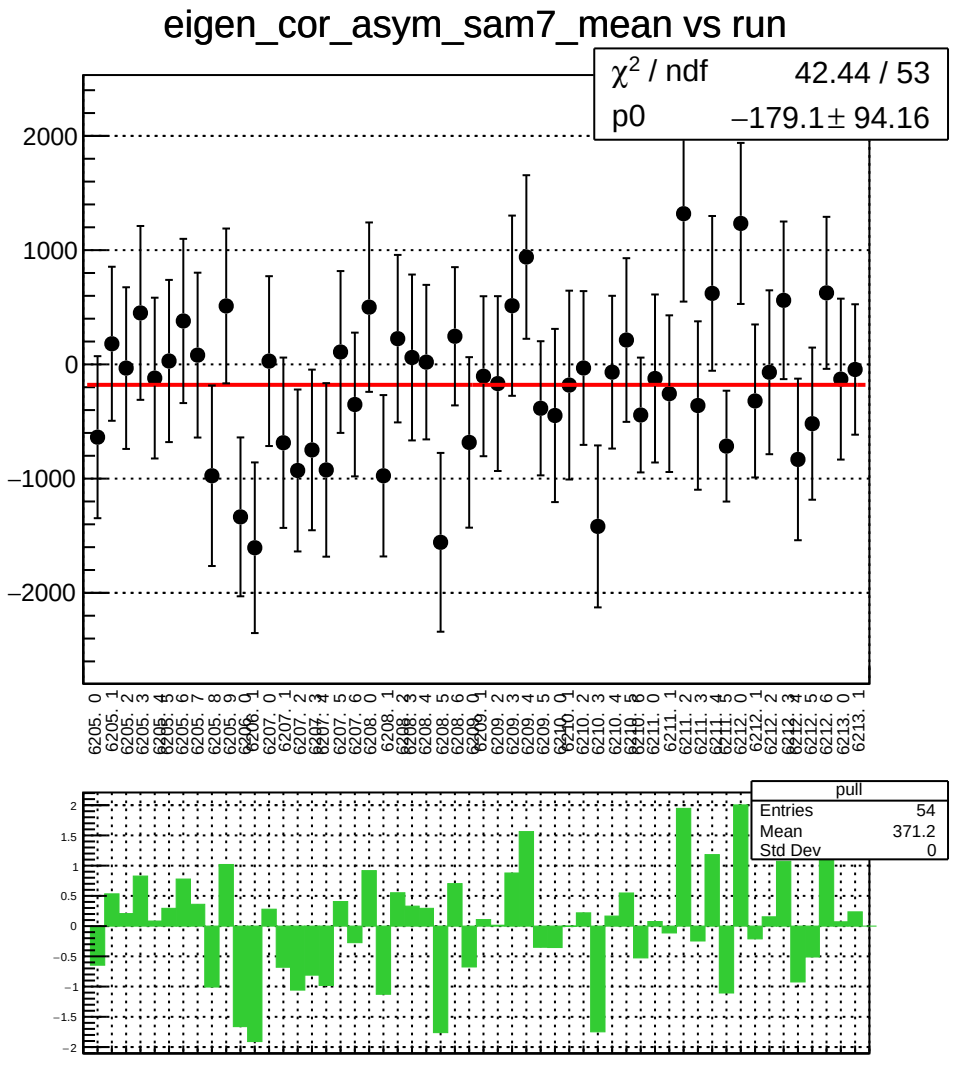

pull1D
Entries 54
Mean 0.006512
Std Dev 0.8865
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

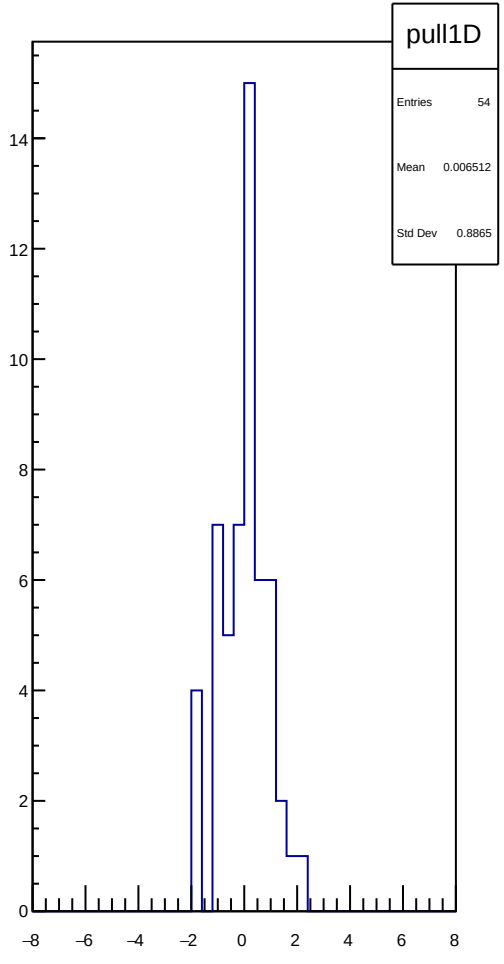

cor_asym_sam7_rms vs run
χ² / ndf 3241 / 53
p0 68.43 ± 0.06658
82
80
78
76
74
72
70
68
66
64
62
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

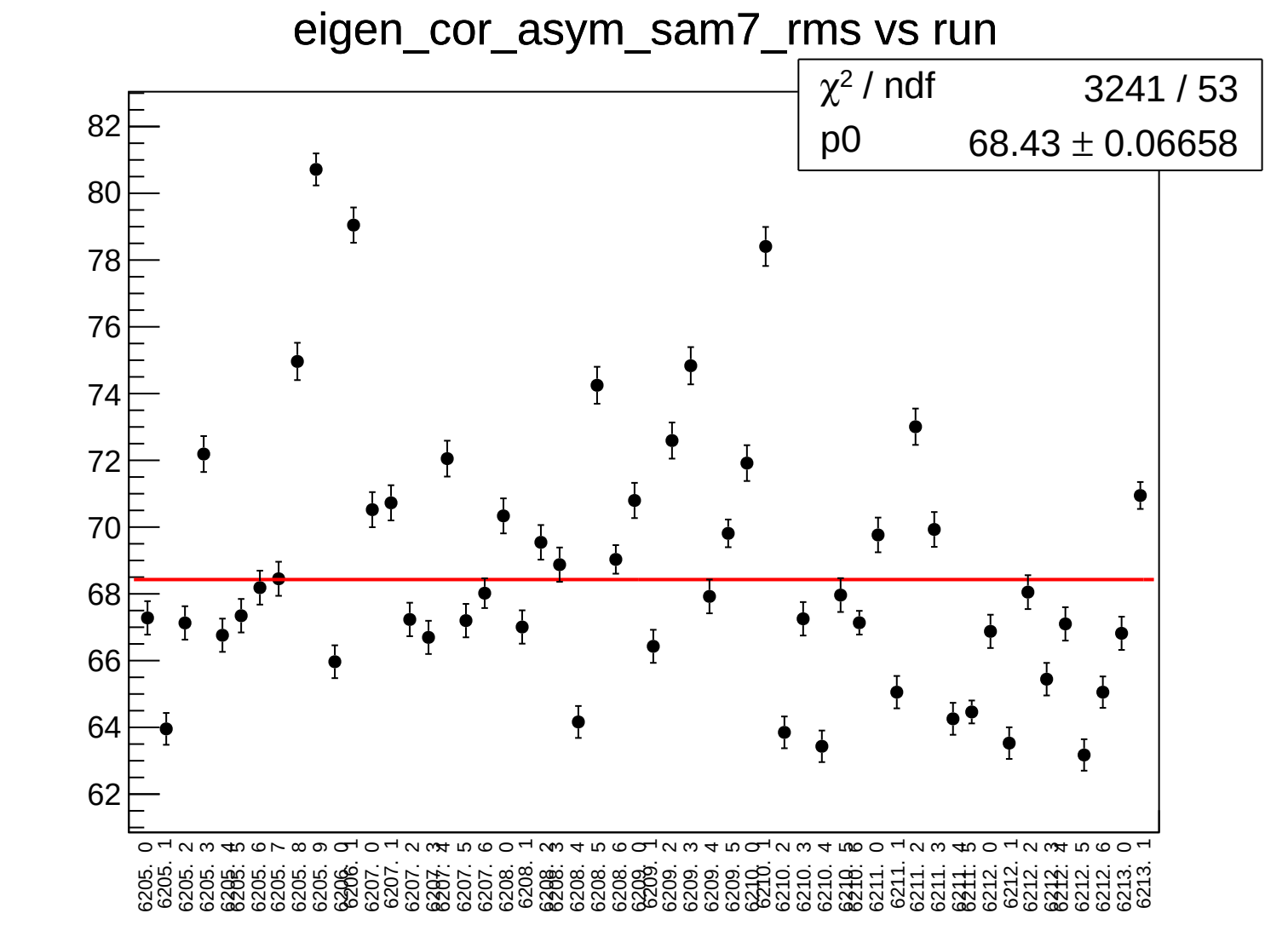

asym_sam7_cor_correction_mean vs run
χ² / ndf 41.69 / 53
p0 62.6 ± 857
pull
Entries 54
Mean 9.267
Std Dev 0

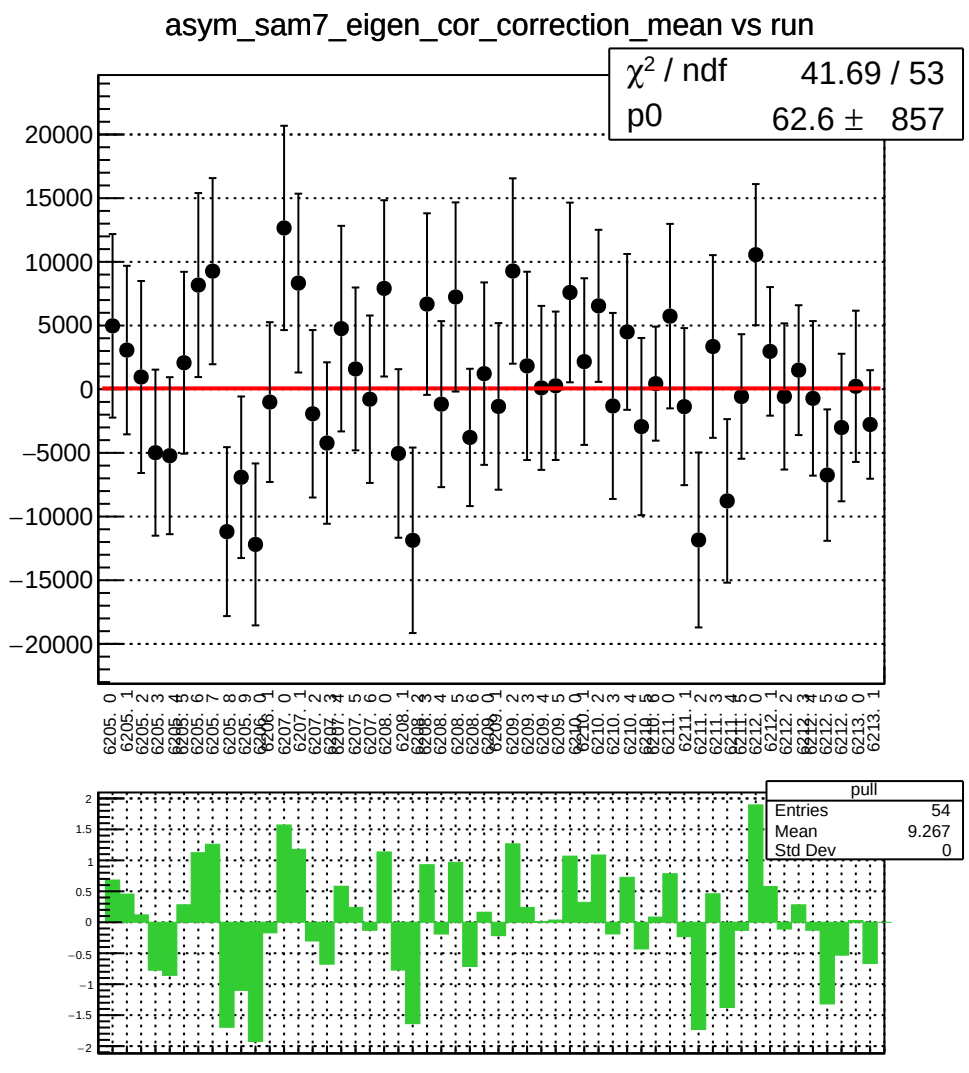

pull1D
Entries 54
Mean 0.02837
Std Dev 0.8783

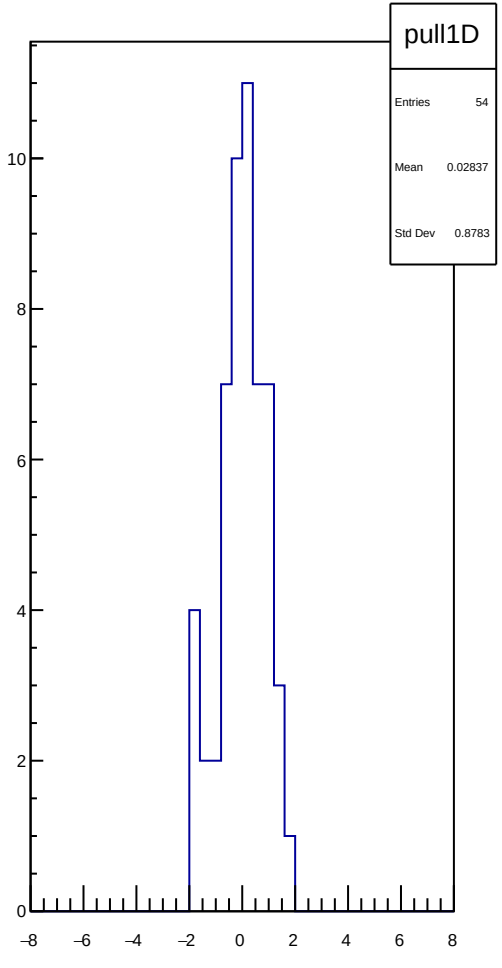

asym_sam7_cor_correction_rms vs run
χ² / ndf 1.306e+04 / 53
p0 619.9 ± 0.606
800
750
700
650
600
550
500
450
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

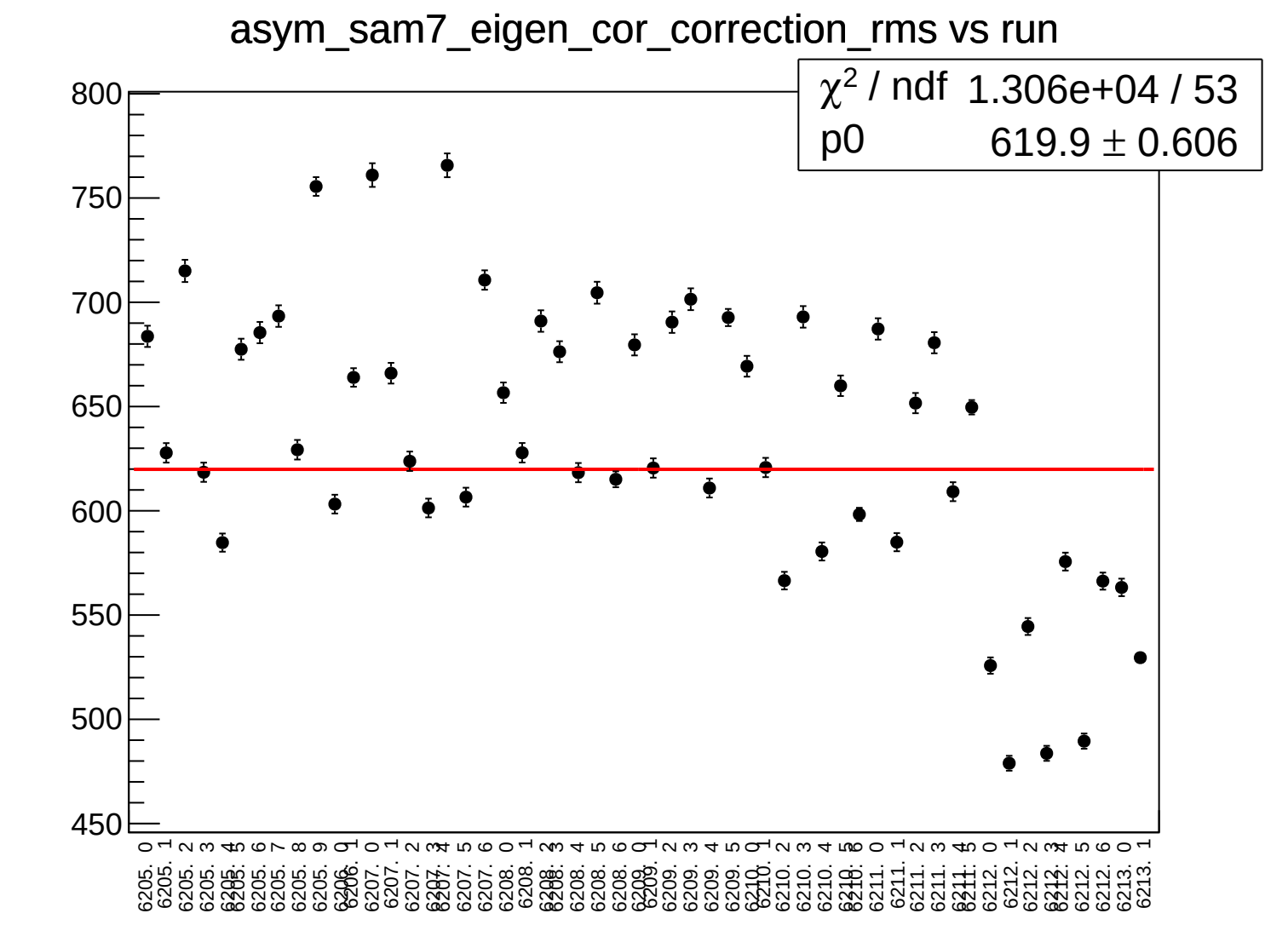

eigen_cor_asym_sam7_mean vs run
χ^2 / ndf 42.44 / 53
p0 −179.1± 94.16
2000
1000
0
−1000
−2000
pull
Entries 54
Mean 371.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

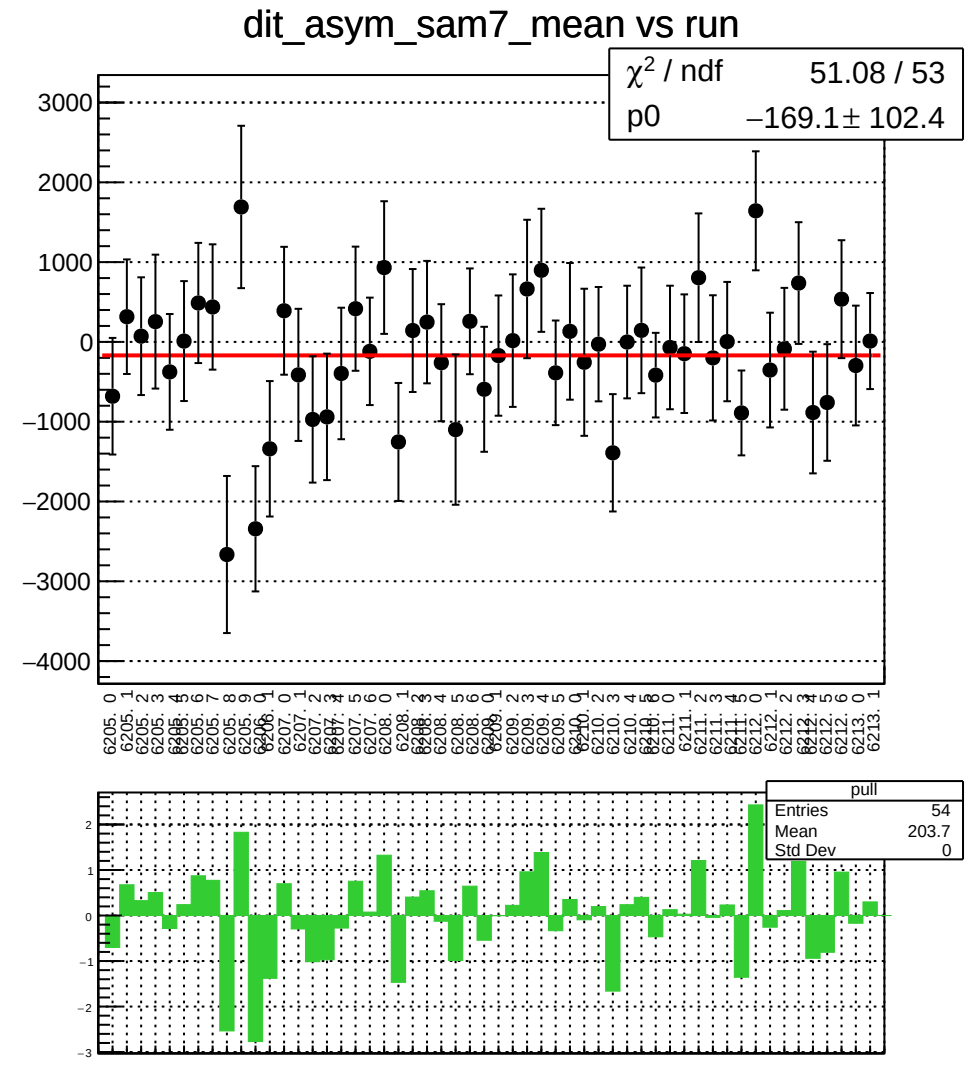

pull1D
Entries 54
Mean 0.006512
Std Dev 0.8865
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

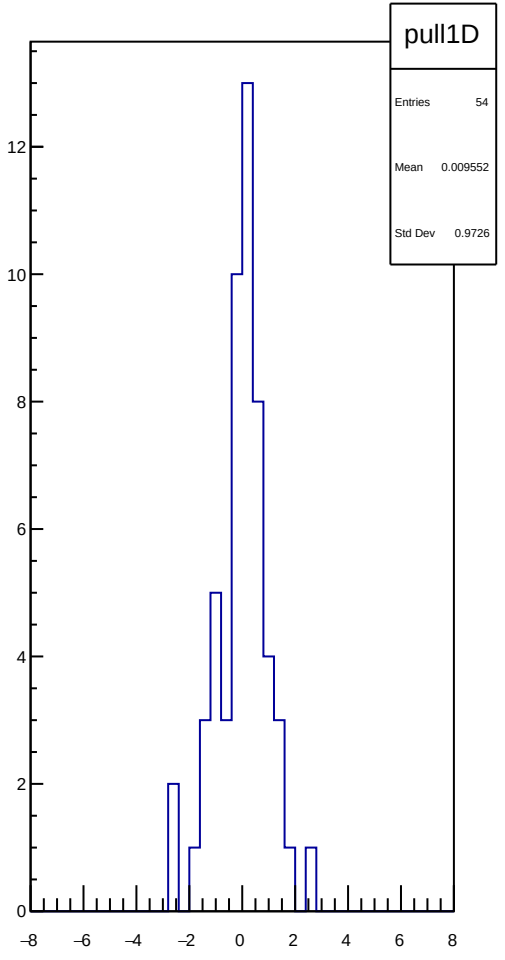

eigen_cor_asym_sam7_rms vs run
χ² / ndf 3241 / 53
p0 68.43 ± 0.06658
82
80
78
76
74
72
70
68
66
64
62
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

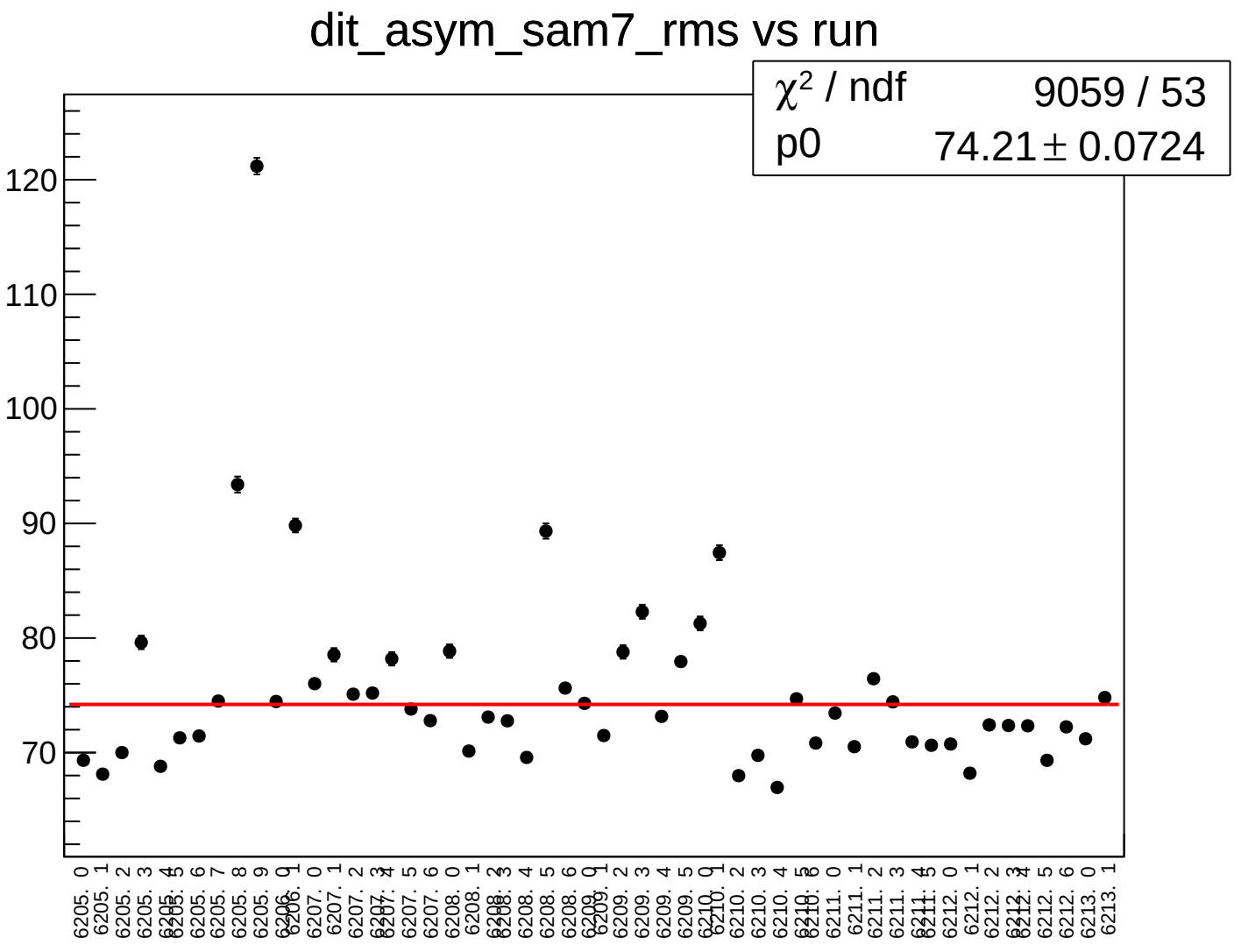

asym_sam7_eigen_cor_correction_mean vs run
χ² / ndf 41.69 / 53
p0 62.6 ± 857
pull
Entries 54
Mean 9.267
Std Dev 0

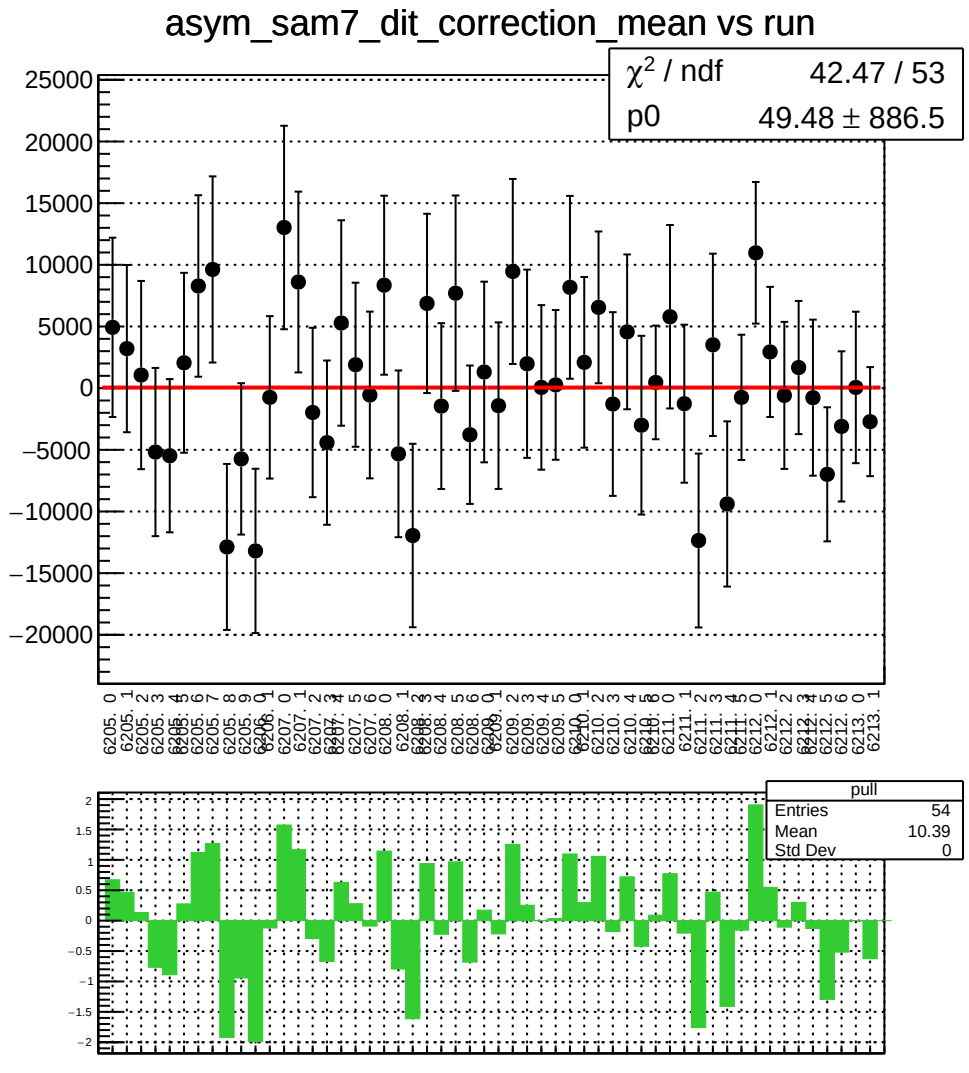

pull1D
Entries 54
Mean 0.02837
Std Dev 0.8783

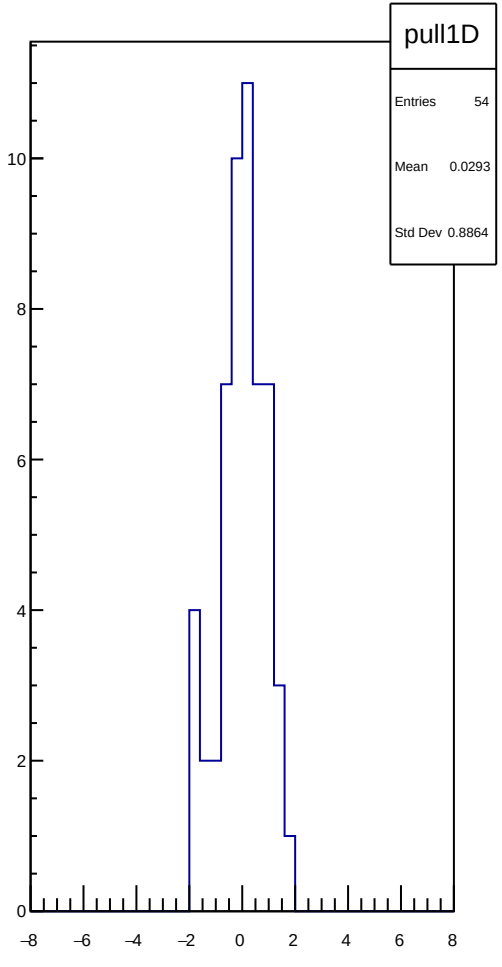

asym_sam7_eigen_cor_correction_rms vs run
χ² / ndf 1.306e+04 / 53
p0 619.9 ± 0.606
800
750
700
650
600
550
500
450

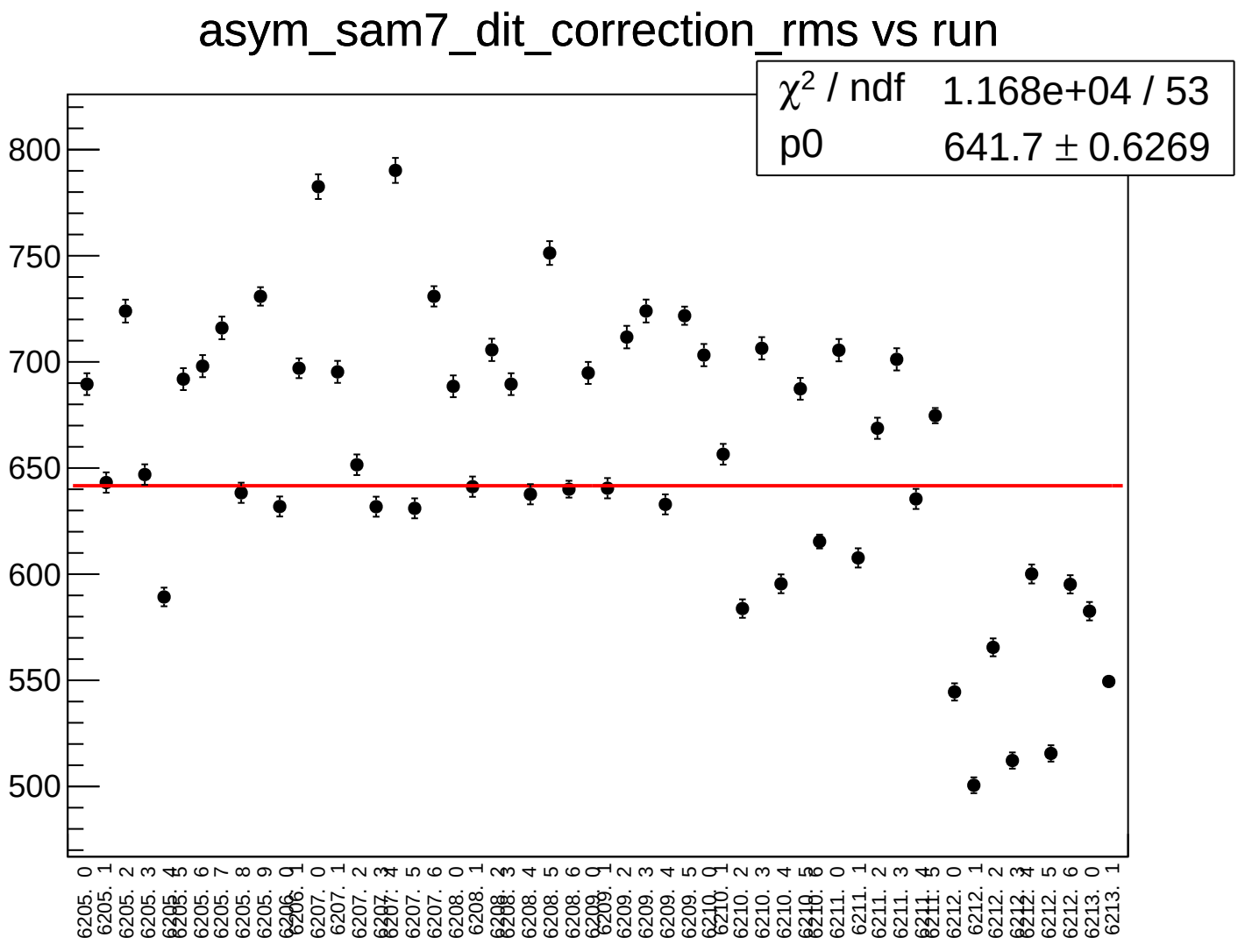

dit_asym_sam7_mean vs run
χ^2 / ndf 51.08 / 53
p0 −169.1± 102.4
pull
Entries 54
Mean 203.7
Std Dev 0

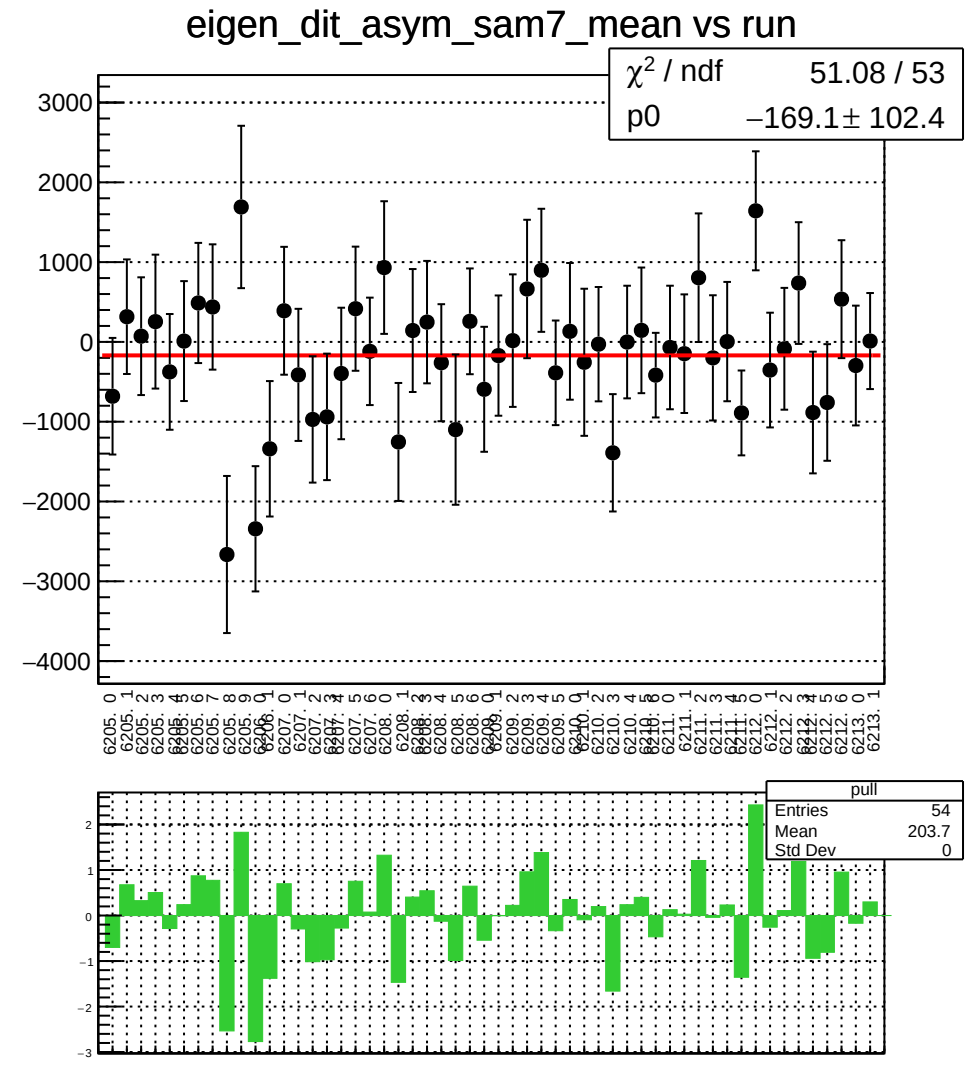

pull1D
Entries 54
Mean 0.009552
Std Dev 0.9726

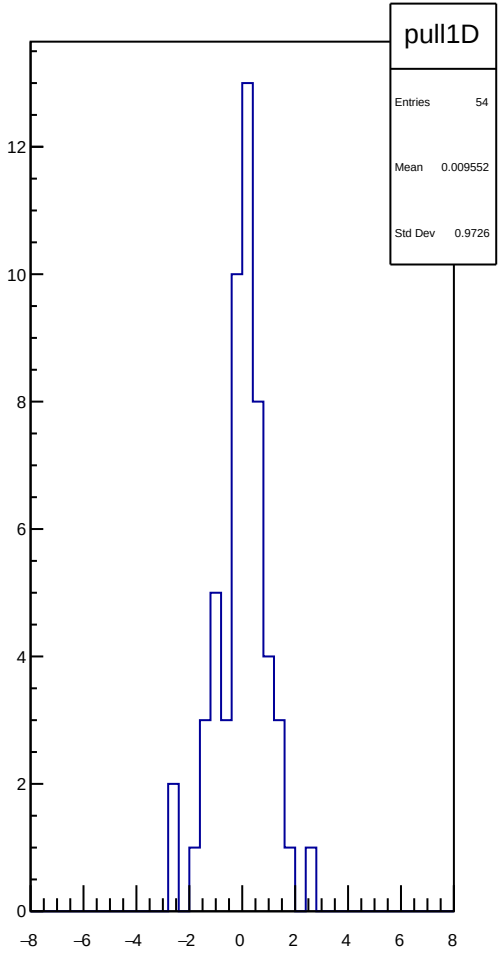

dit_asym_sam7_rms vs run
χ² / ndf 9059 / 53
p0 74.21 ± 0.0724
120
110
100
90
80
70
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

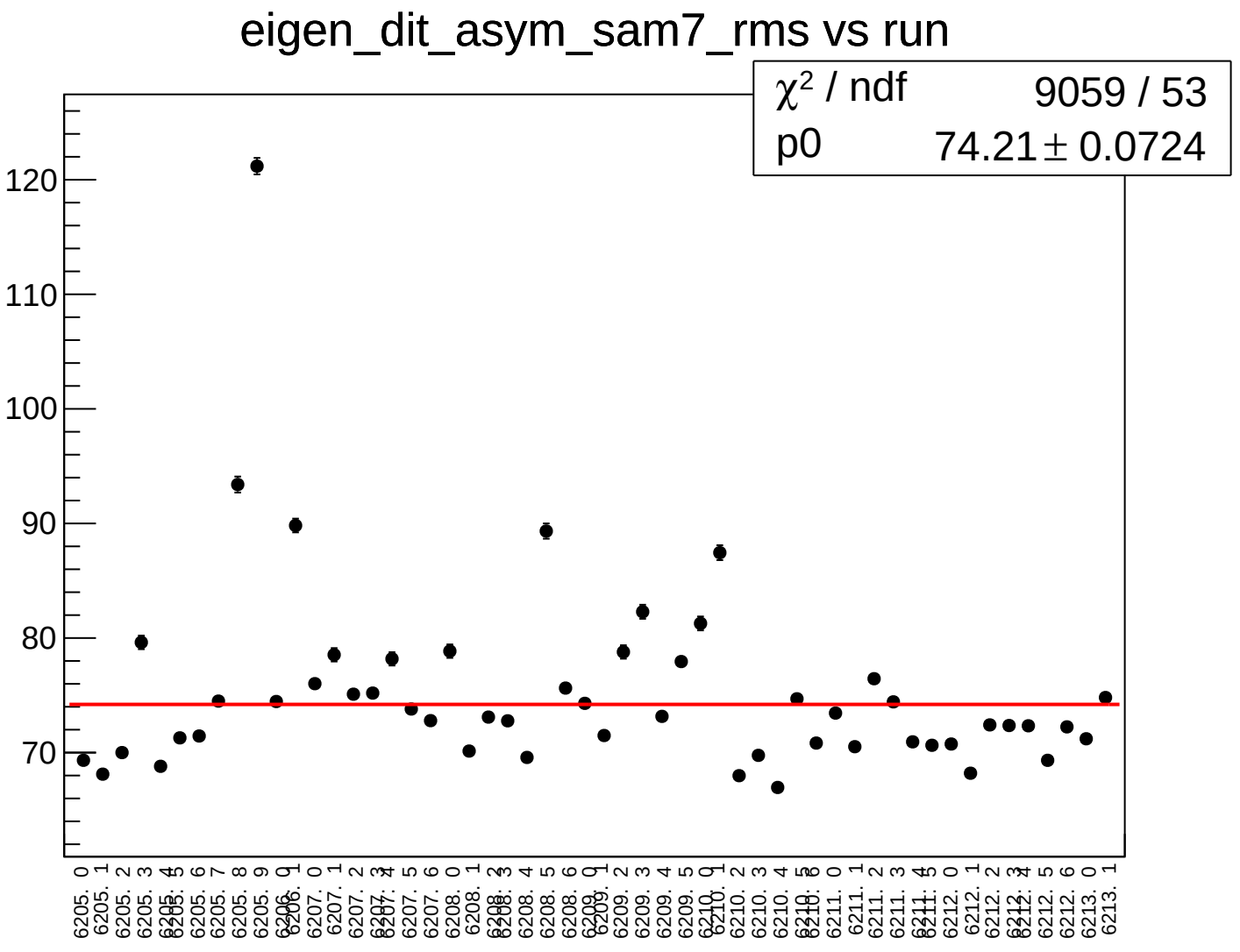

asym_sam7_dit_correction_mean vs run
χ² / ndf 42.47 / 53
p0 49.48 ± 886.5
pull
Entries 54
Mean 10.39
Std Dev 0

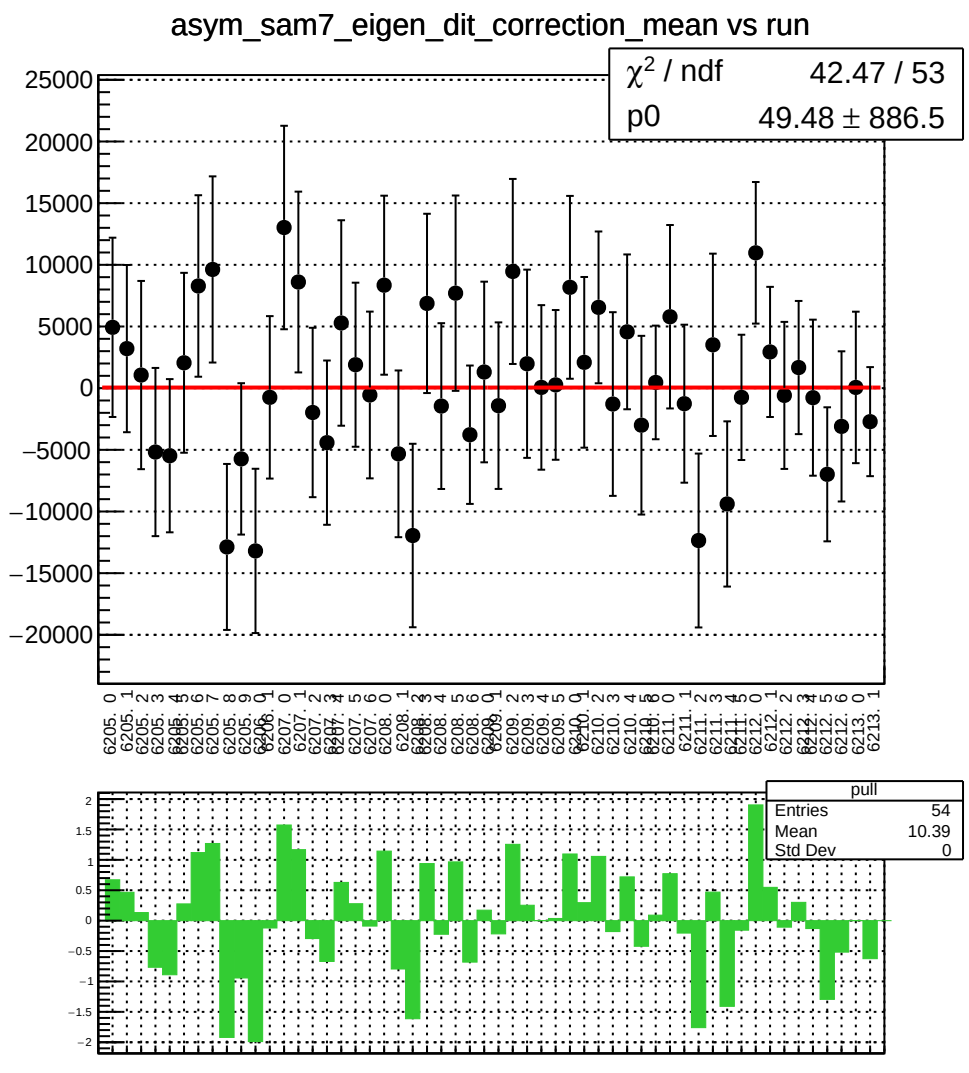

pull1D
Entries 54
Mean 0.0293
Std Dev 0.8864

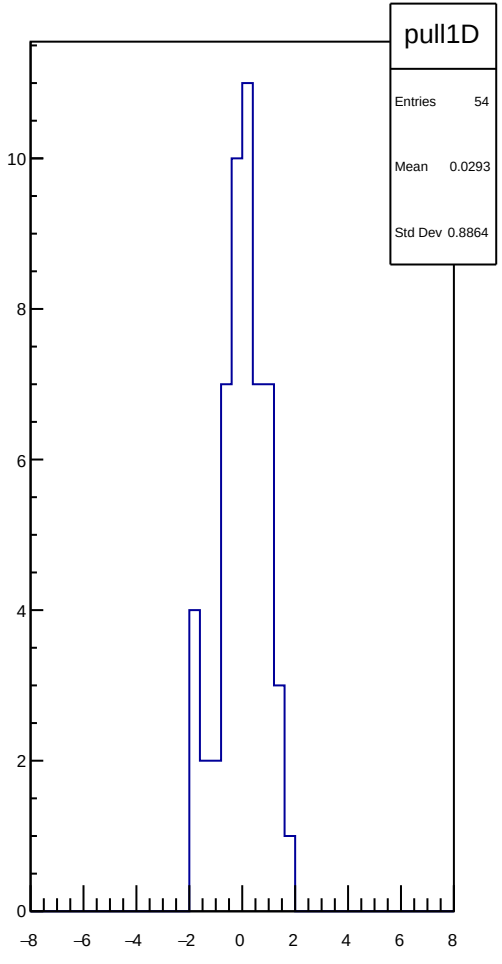

asym_sam7_dit_correction_rms vs run
χ² / ndf 1.168e+04 / 53
p0 641.7 ± 0.6269
800
750
700
650
600
550
500
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

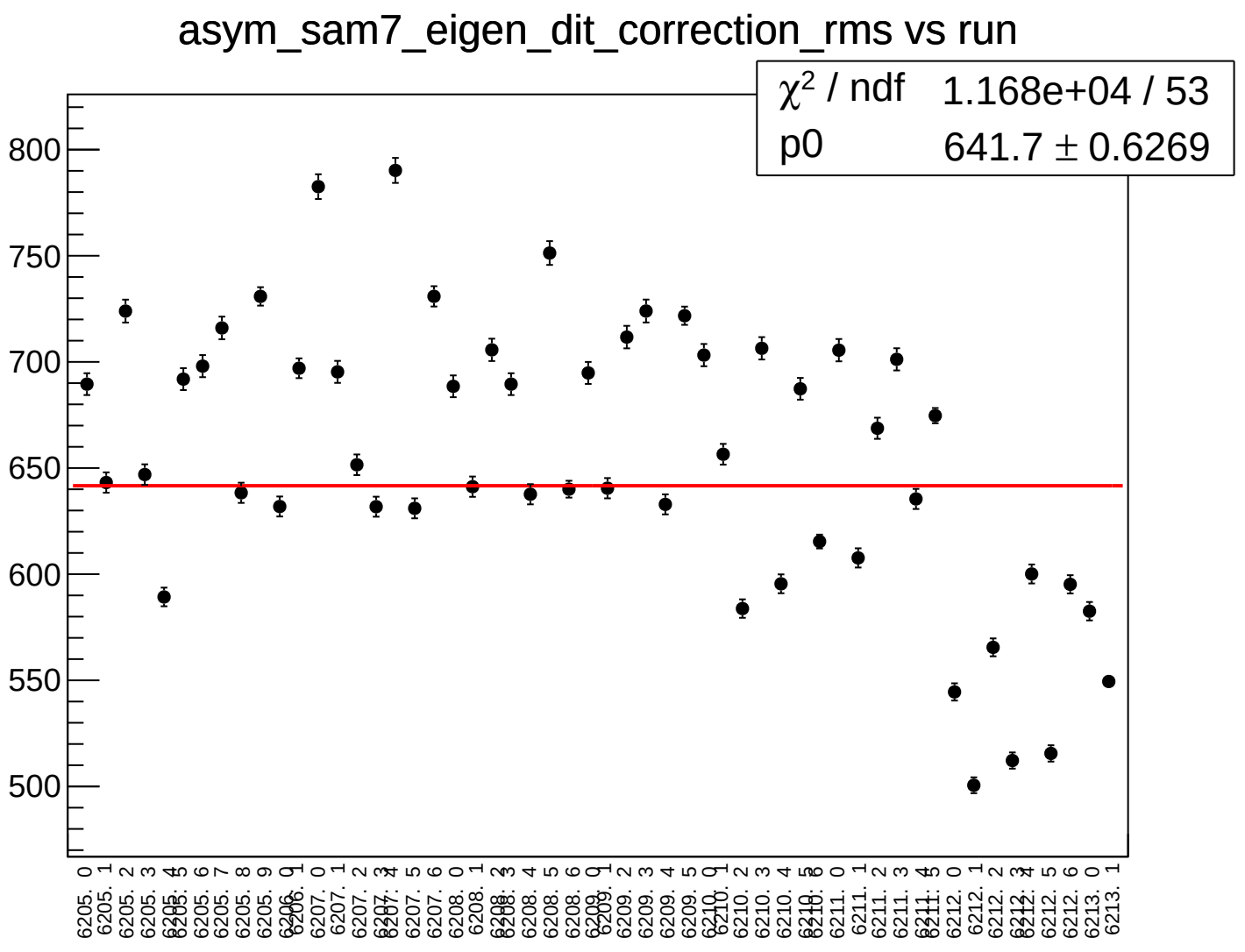

eigen_dit_asym_sam7_mean vs run
χ² / ndf 51.08 / 53
p0 −169.1± 102.4
pull
Entries 54
Mean 203.7
Std Dev 0

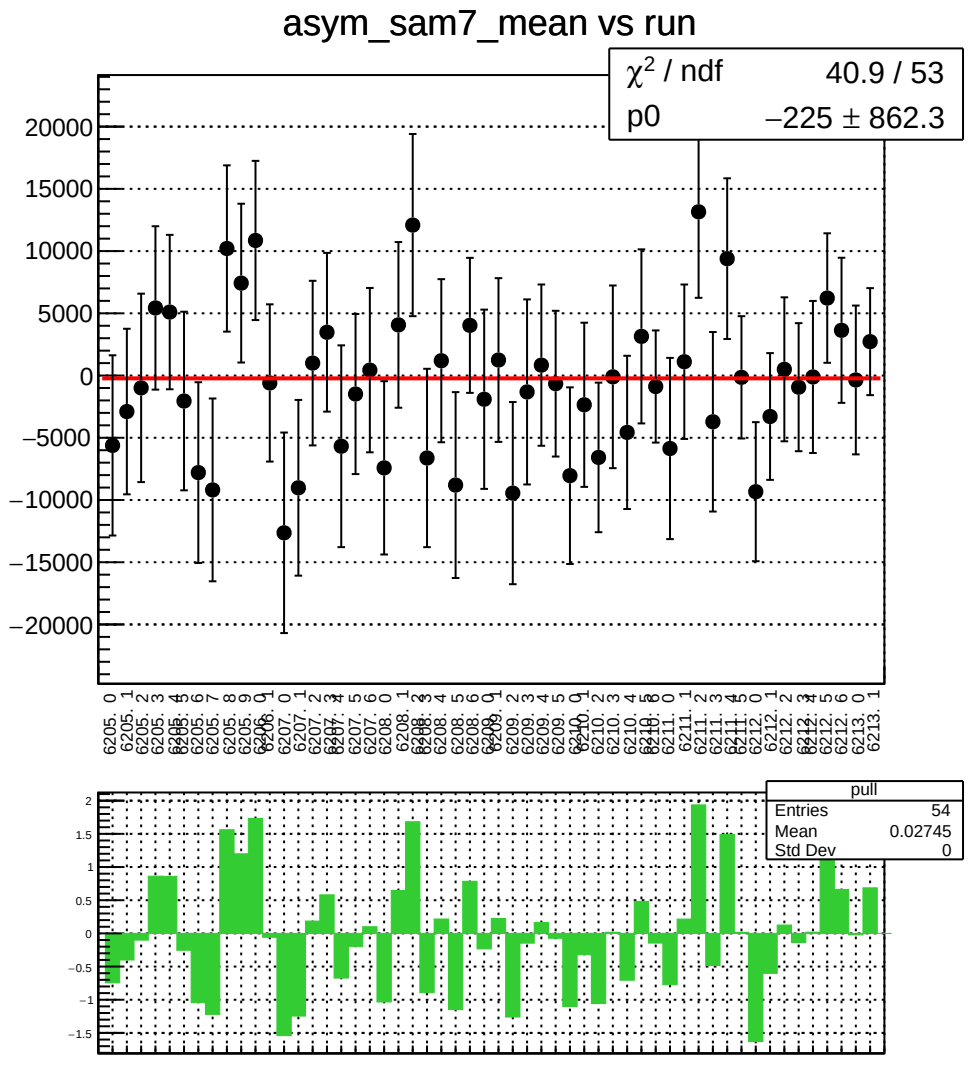

pull1D
Entries 54
Mean 0.009552
Std Dev 0.9726

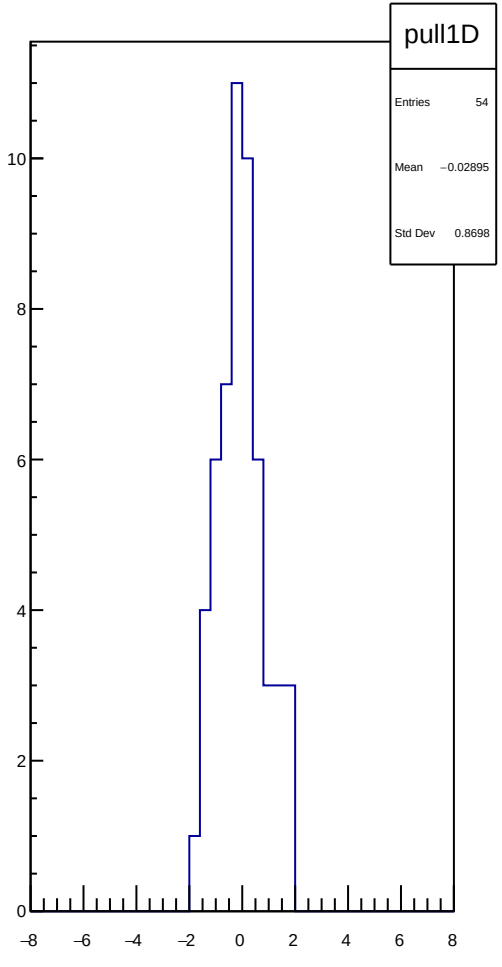

eigen_dit_asym_sam7_rms vs run
χ² / ndf 9059 / 53
p0 74.21 ± 0.0724
120
110
100
90
80
70
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

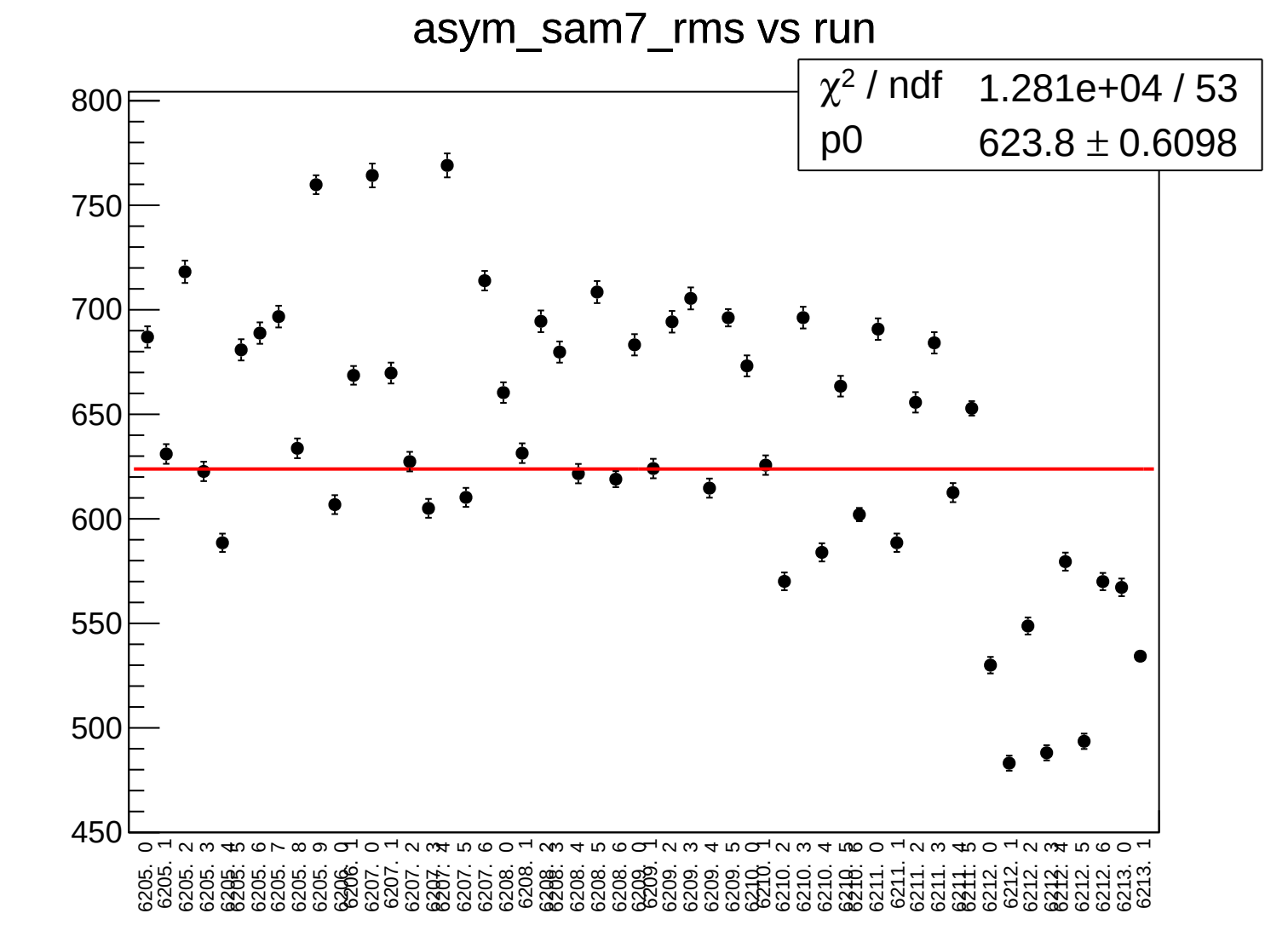

asym_sam7_eigen_dit_correction_mean vs run
χ² / ndf 42.47 / 53
p0 49.48 ± 886.5
pull
Entries 54
Mean 10.39
Std Dev 0

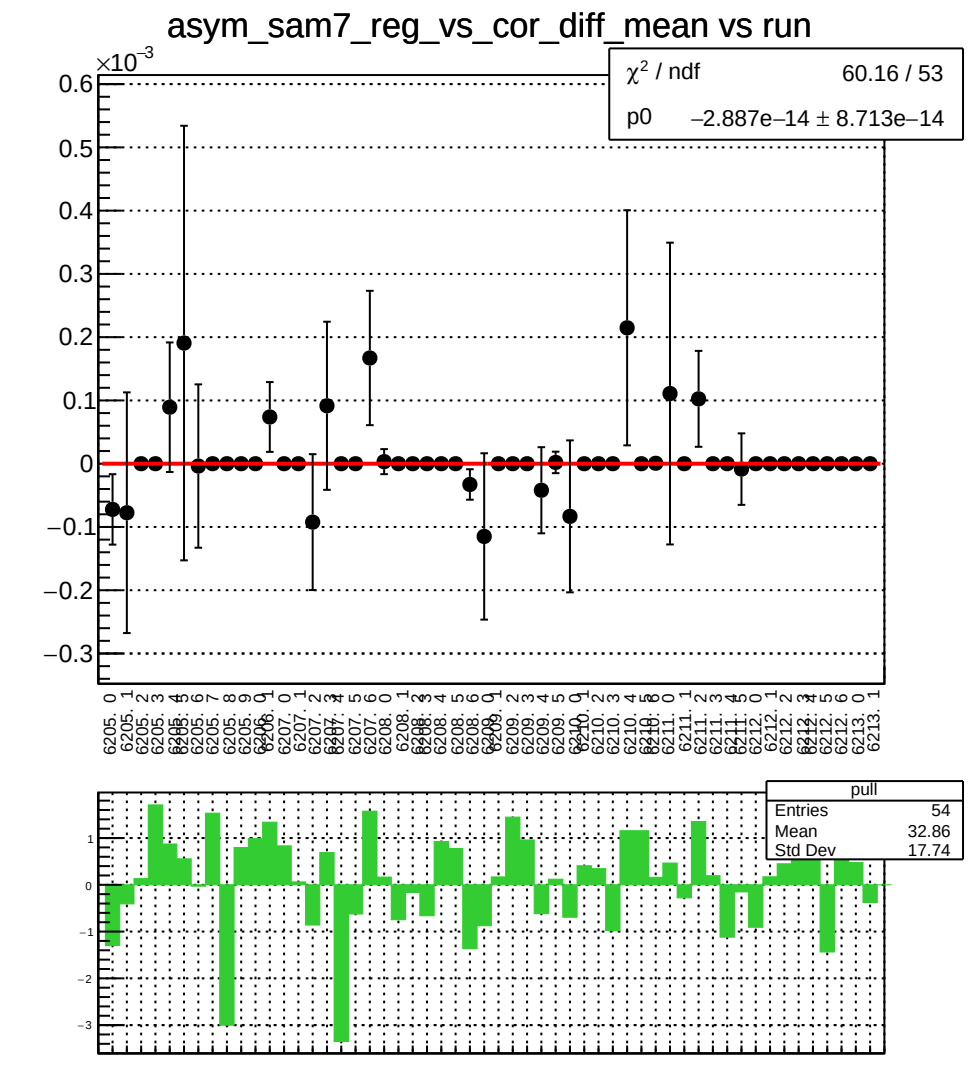

pull1D
Entries 54
Mean 0.0293
Std Dev 0.8864

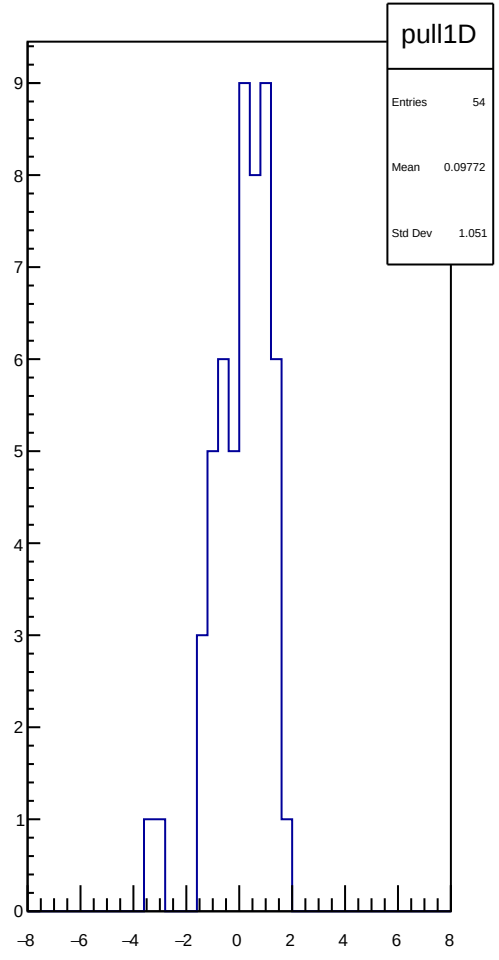

asym_sam7_eigen_dit_correction_rms vs run
χ² / ndf 1.168e+04 / 53
p0 641.7 ± 0.6269
800
750
700
650
600
550
500
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

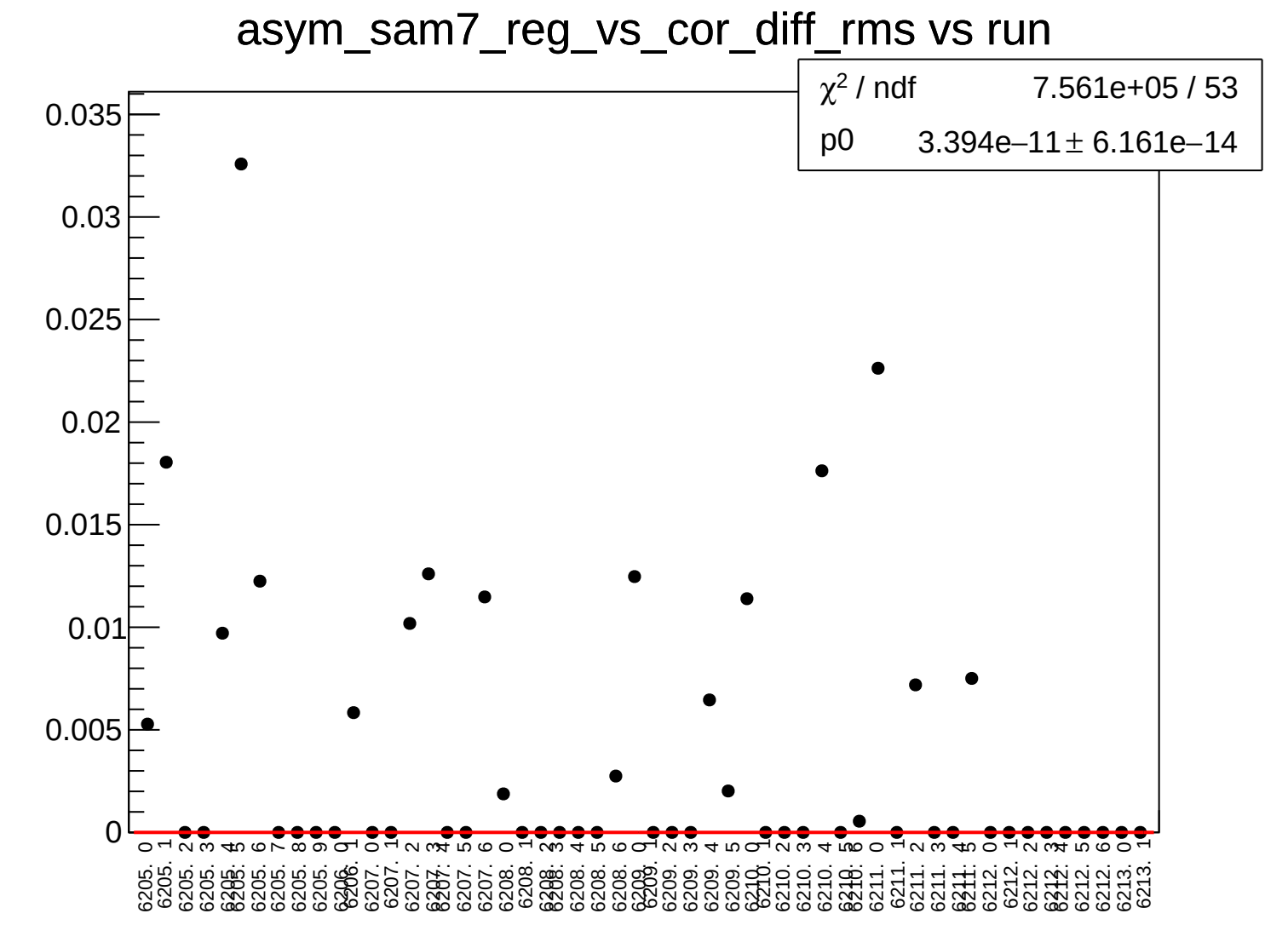

asym_sam7_mean vs run
χ² / ndf 40.9 / 53
p0 −225 ± 862.3
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 54
Mean 0.02745
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

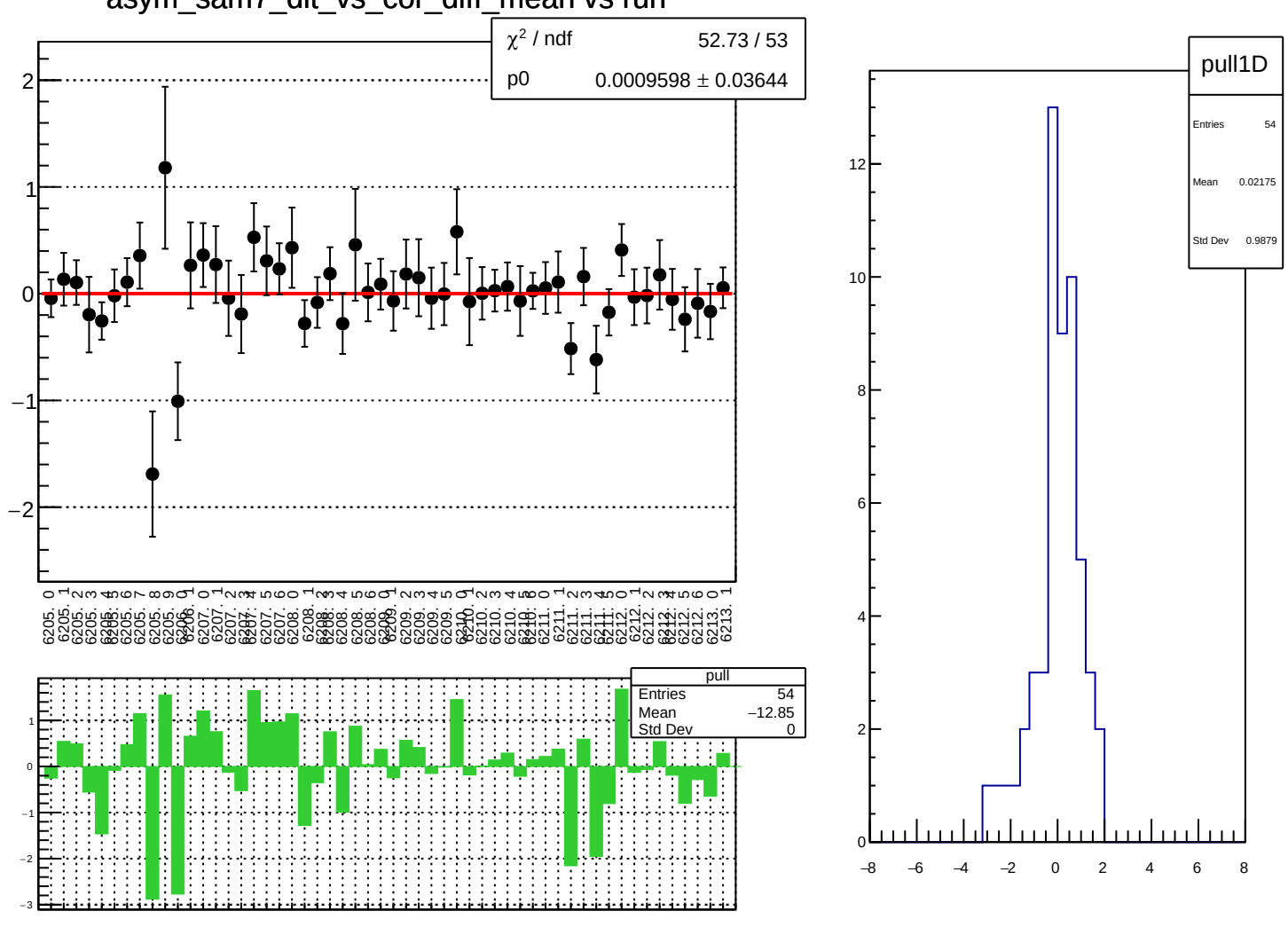

pull1D
Entries 54
Mean −0.02895
Std Dev 0.8698
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

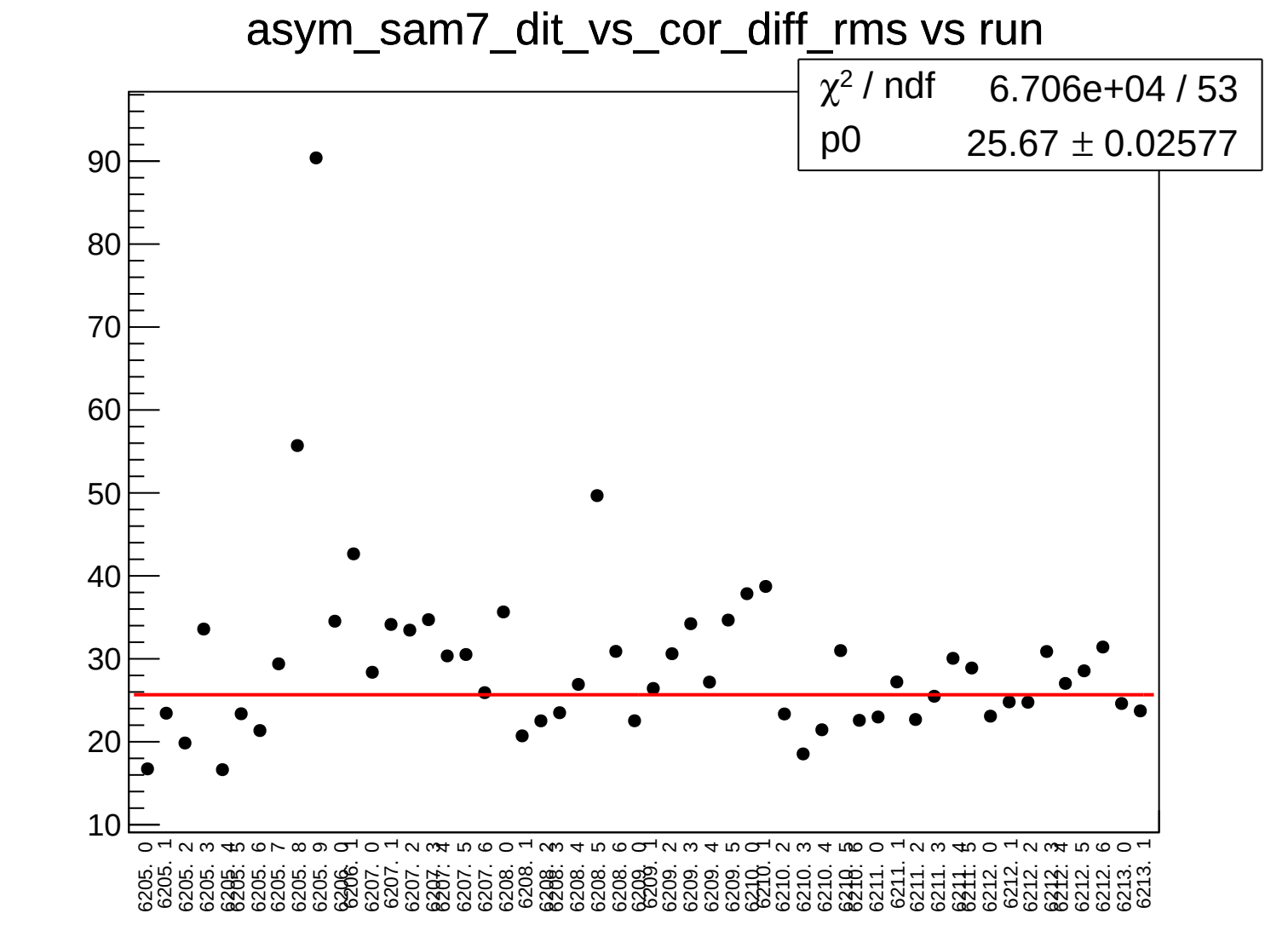

asym_sam7_rms vs run
χ² / ndf 1.281e+04 / 53
p0 623.8 ± 0.6098
800
750
700
650
600
550
500
450
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

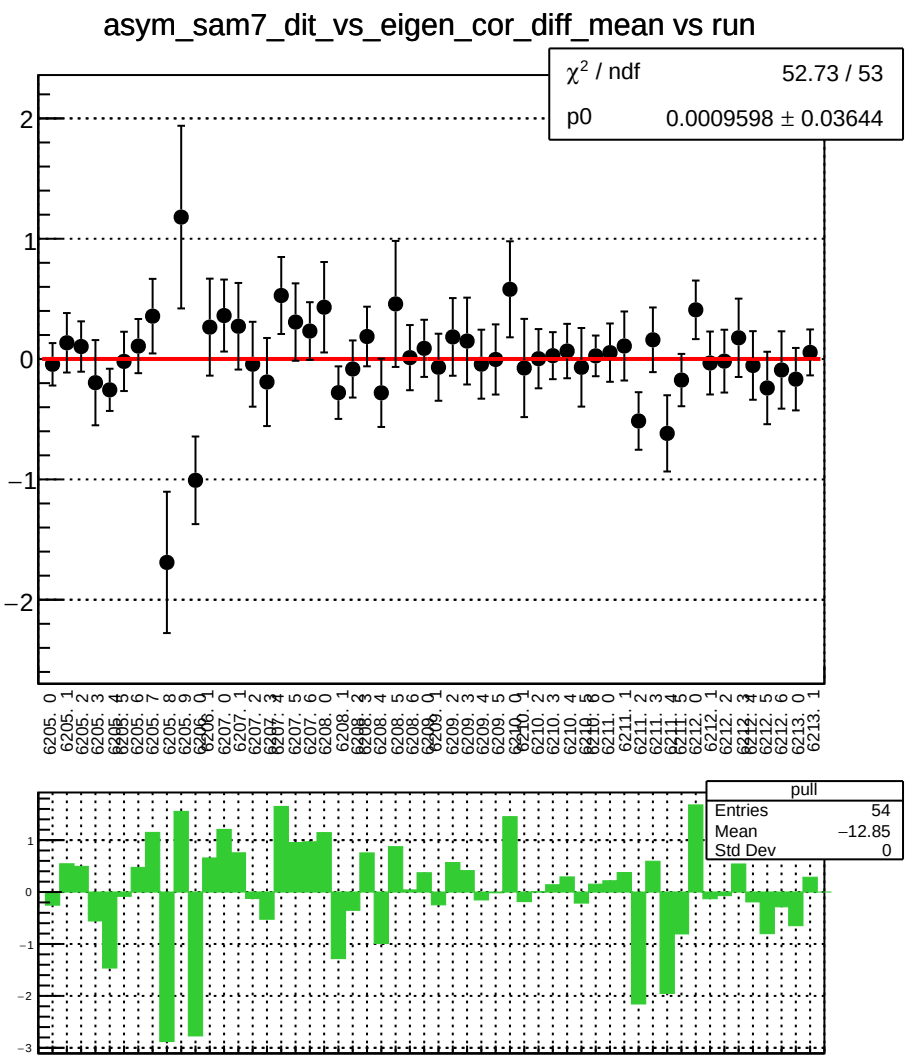

asym_sam7_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 60.16 / 53
p0 −2.887e−14 ± 8.713e−14
pull
Entries 54
Mean 32.86
Std Dev 17.74

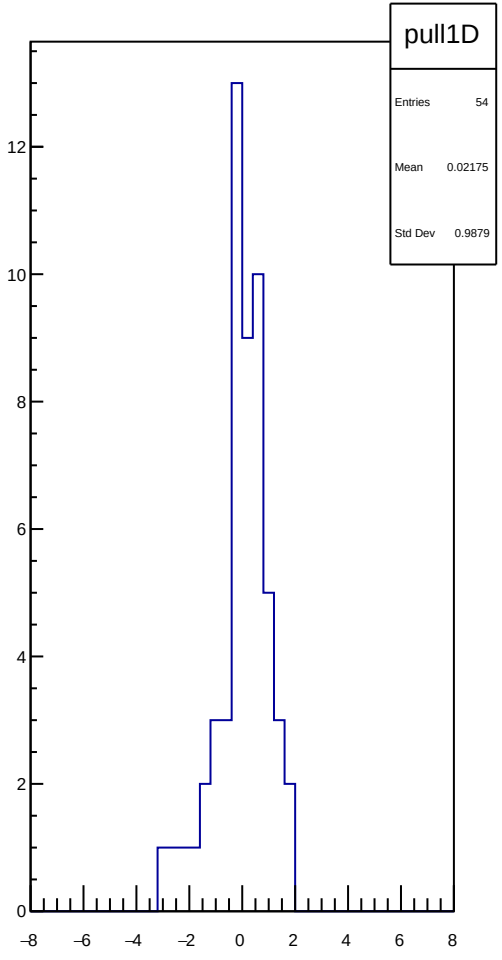

pull1D
Entries 54
Mean 0.09772
Std Dev 1.051

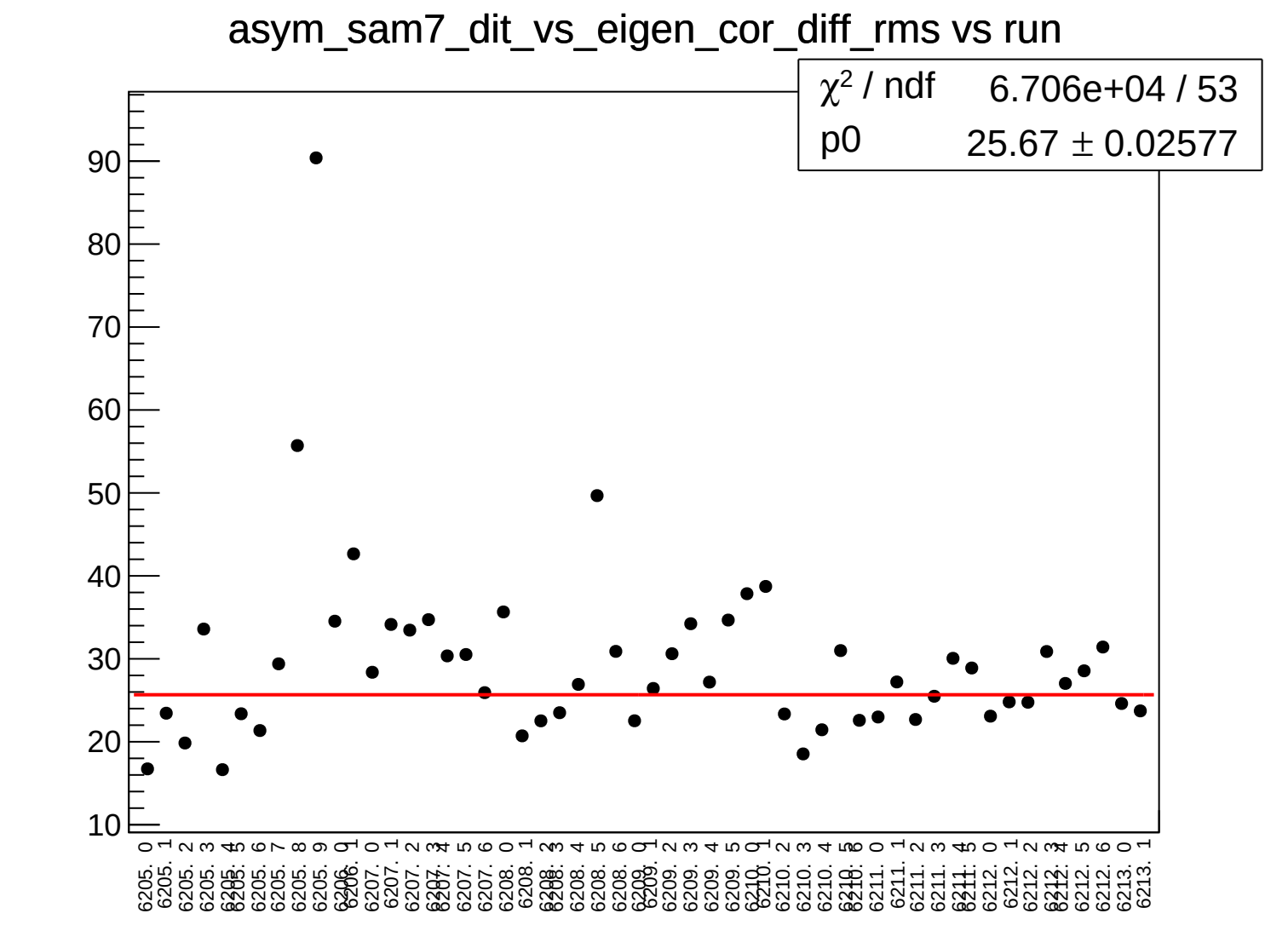

asym_sam7_reg_vs_cor_diff_rms vs run
χ² / ndf 7.561e+05 / 53
p0 3.394e−11 ± 6.161e−14
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0

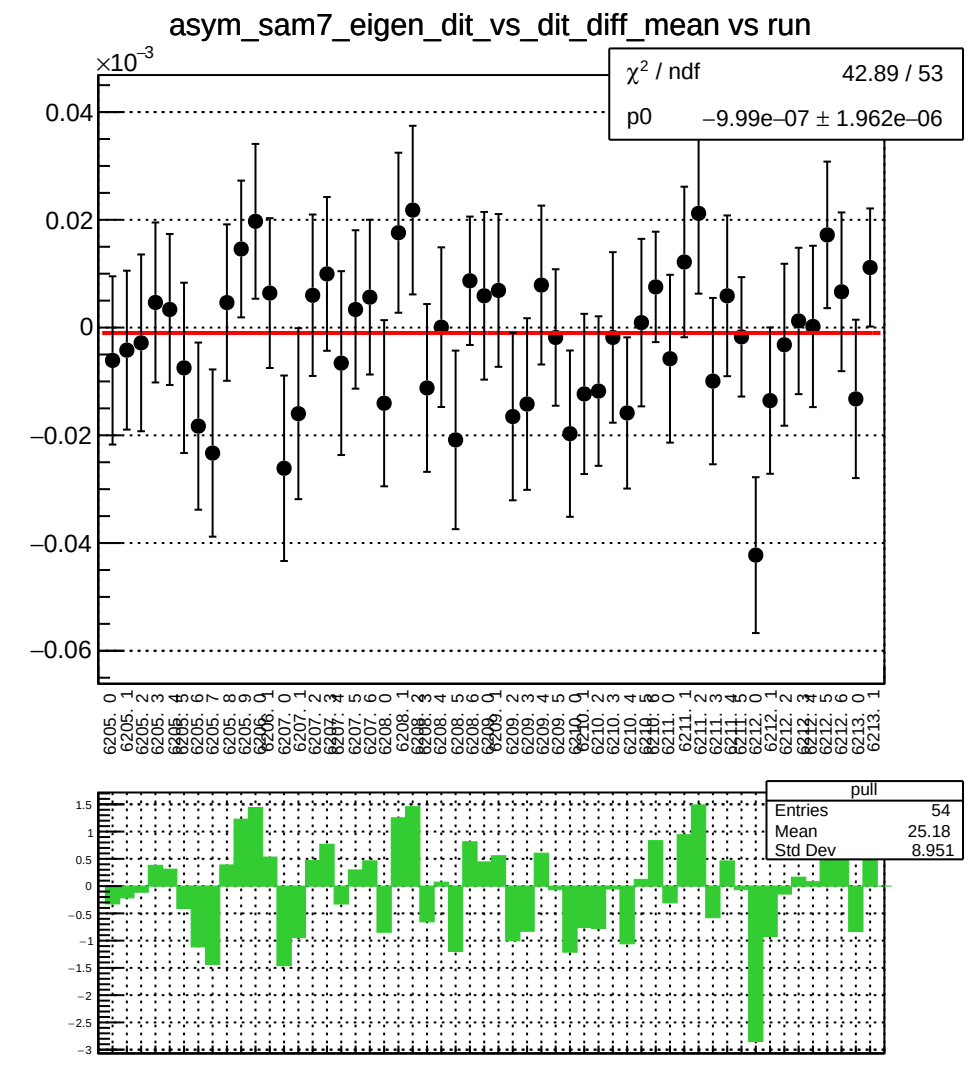

asym_sam7_dit_vs_cor_diff_mean vs run
χ² / ndf 52.73 / 53
p0 0.0009598 ± 0.03644
pull
Entries 54
Mean −12.85
Std Dev 0
pull1D
Entries 54
Mean 0.02175
Std Dev 0.9879

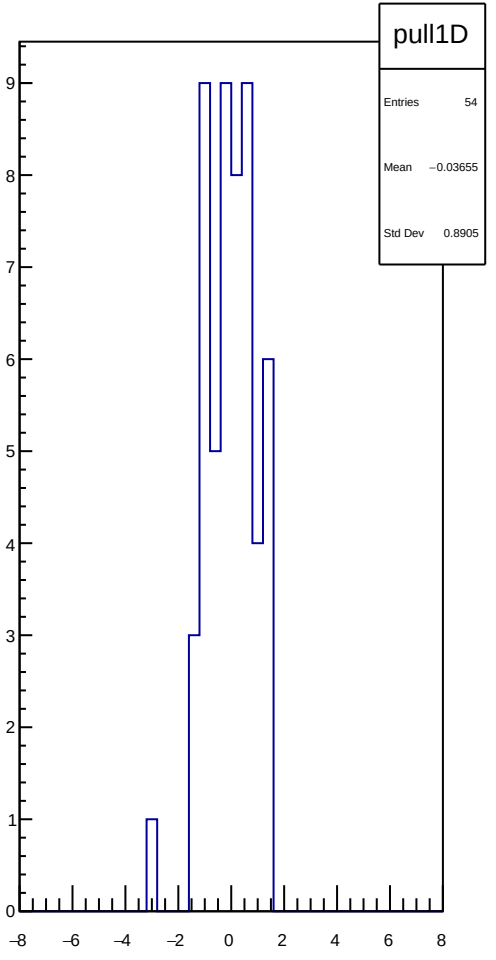

asym_sam7_dit_vs_cor_diff_rms vs run
χ^2 / ndf 6.706e+04 / 53
p0 25.67 ± 0.02577
90
80
70
60
50
40
30
20
10
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

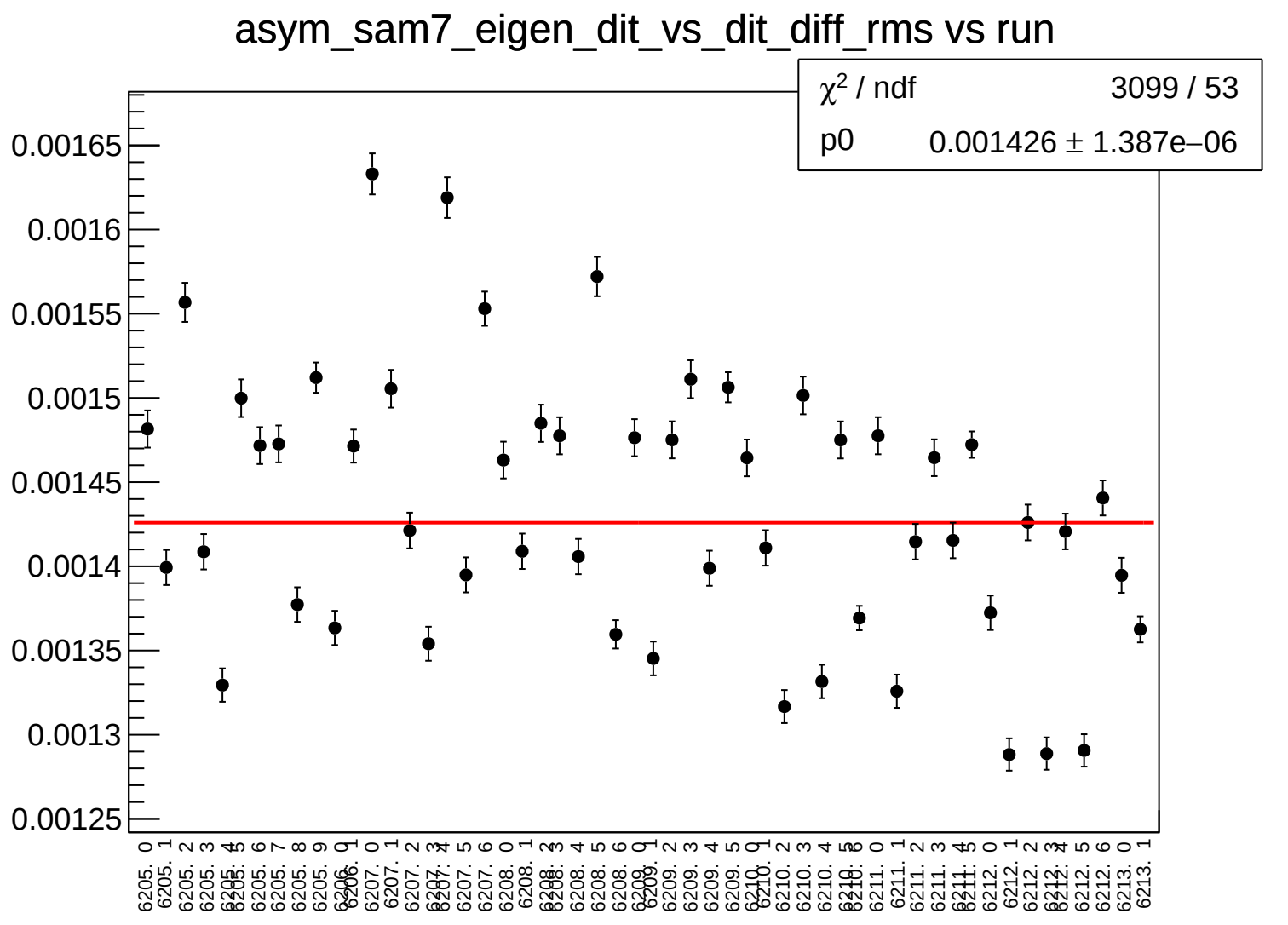

asym_sam7_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 52.73 / 53
p0 0.0009598 ± 0.03644
pull
Entries 54
Mean −12.85
Std Dev 0

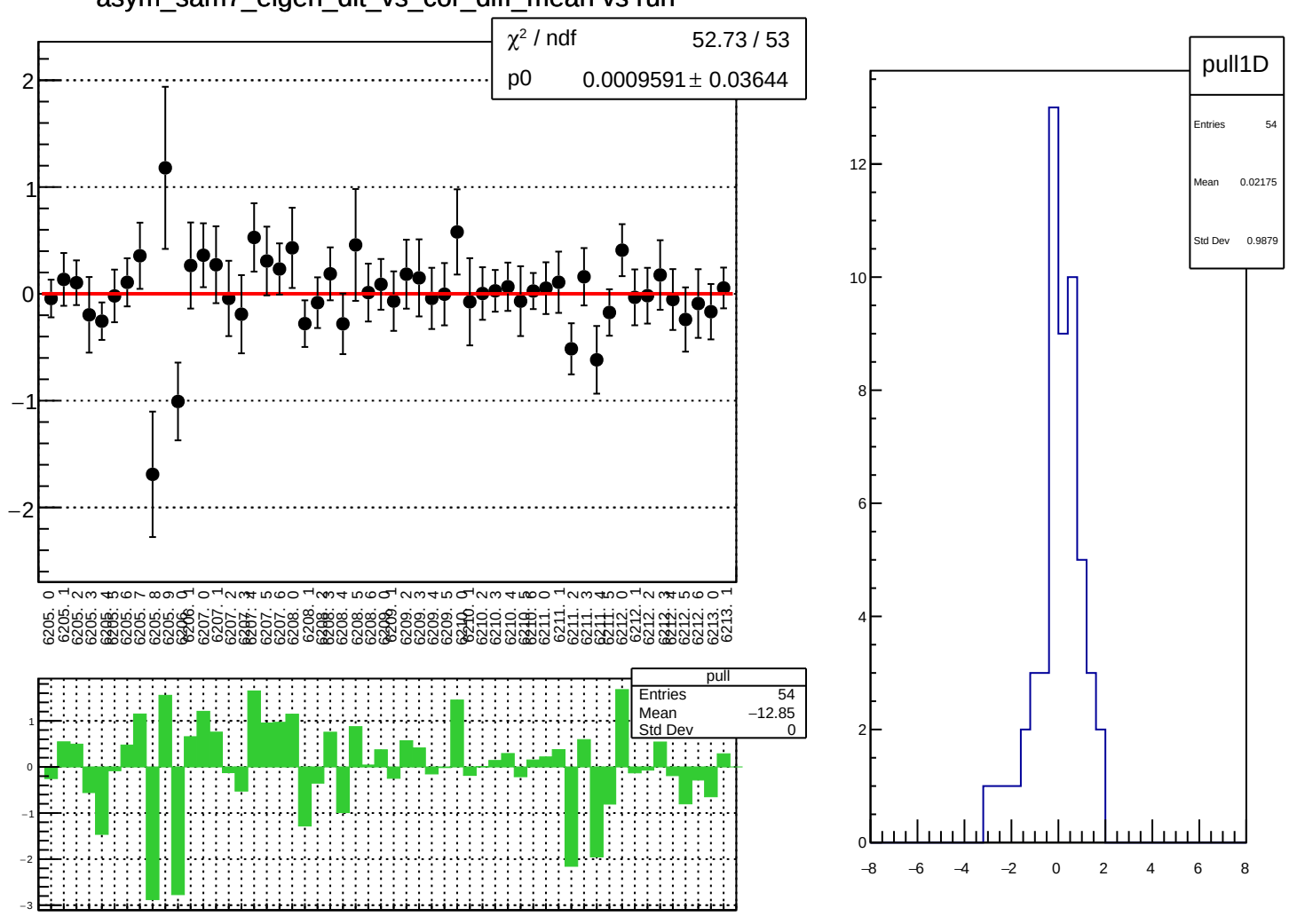

pull1D
Entries 54
Mean 0.02175
Std Dev 0.9879

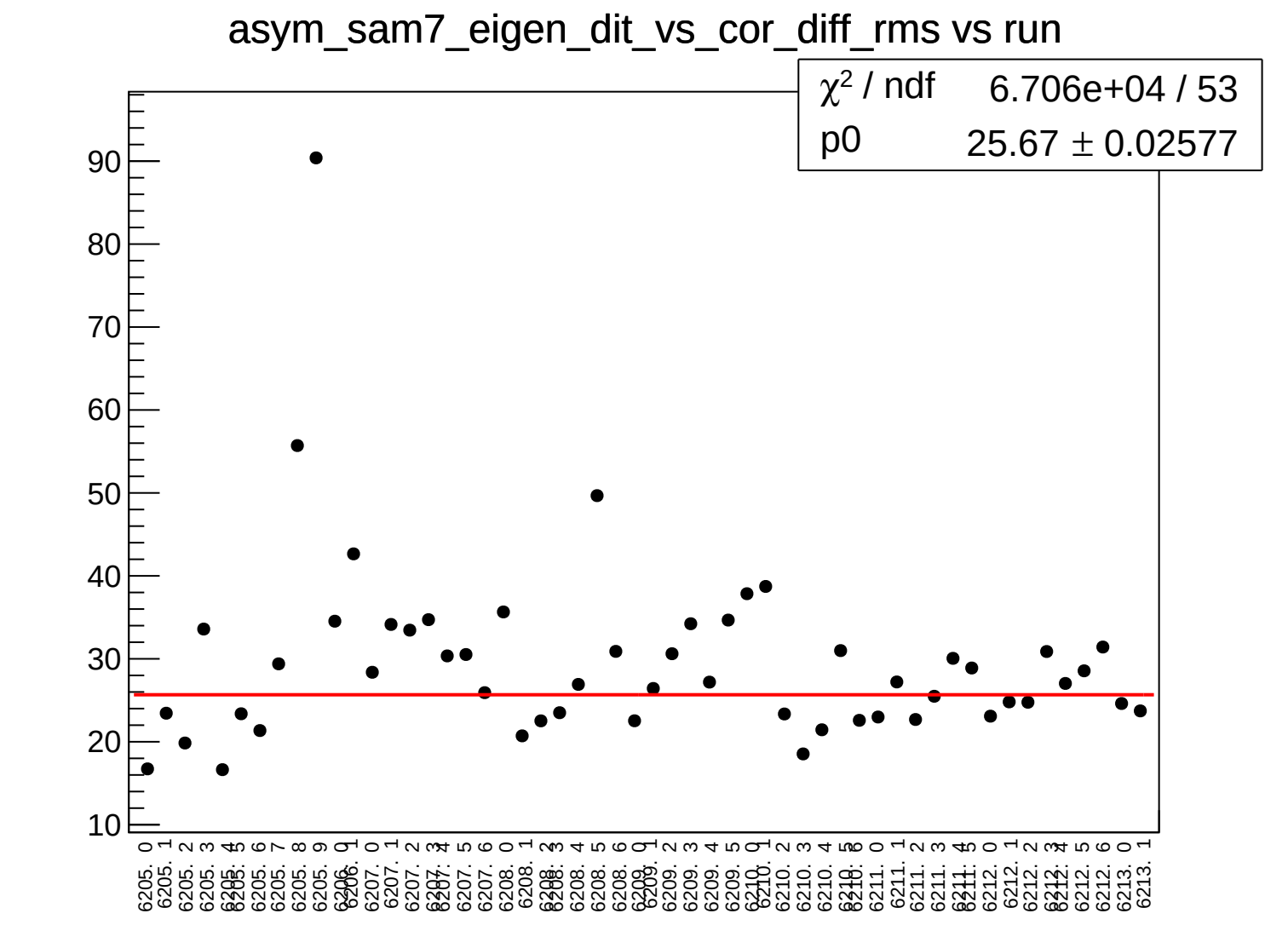

asym_sam7_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 6.706e+04 / 53
p0 25.67 ± 0.02577
90
80
70
60
50
40
30
20
10
6205. 0
6205. 1
6205. 2
6205. 3
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

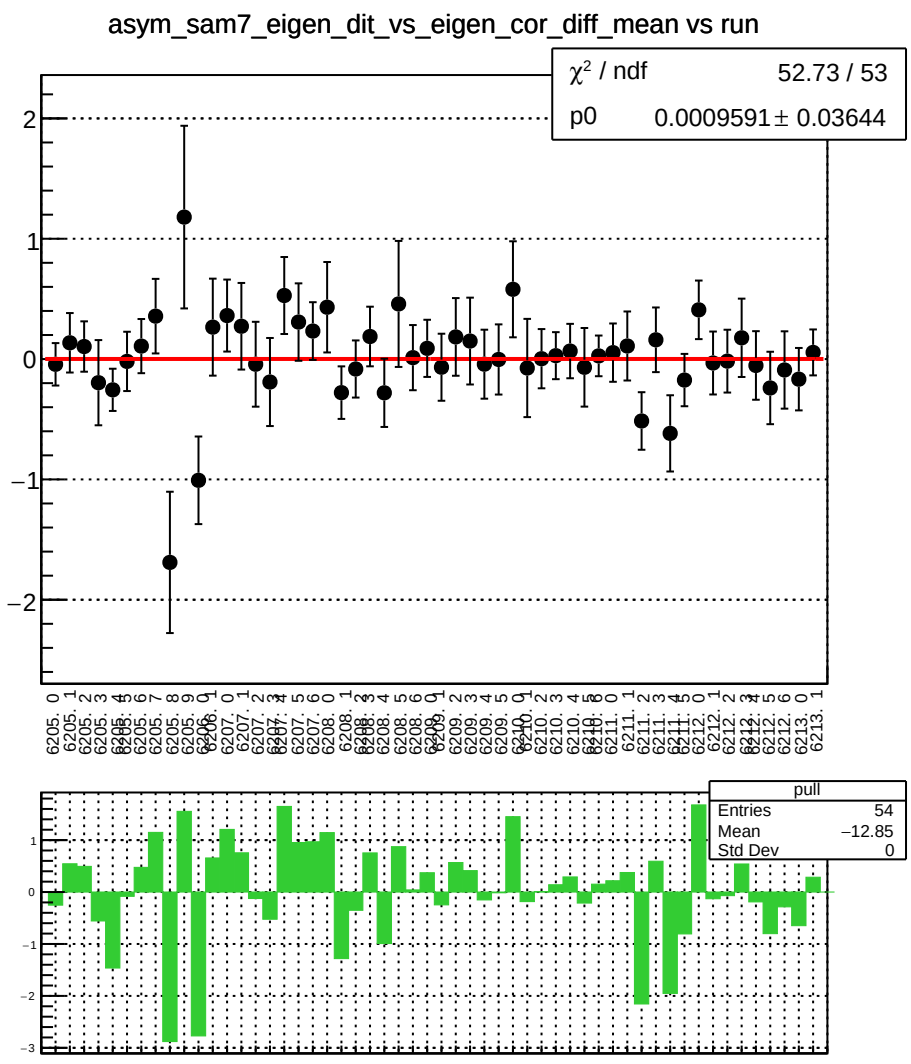

asym_sam7_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 42.89 / 53
p0 −9.99e−07 ± 1.962e−06
0.04
0.02
0
−0.02
−0.04
−0.06
pull
Entries 54
Mean 25.18
Std Dev 8.951
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3

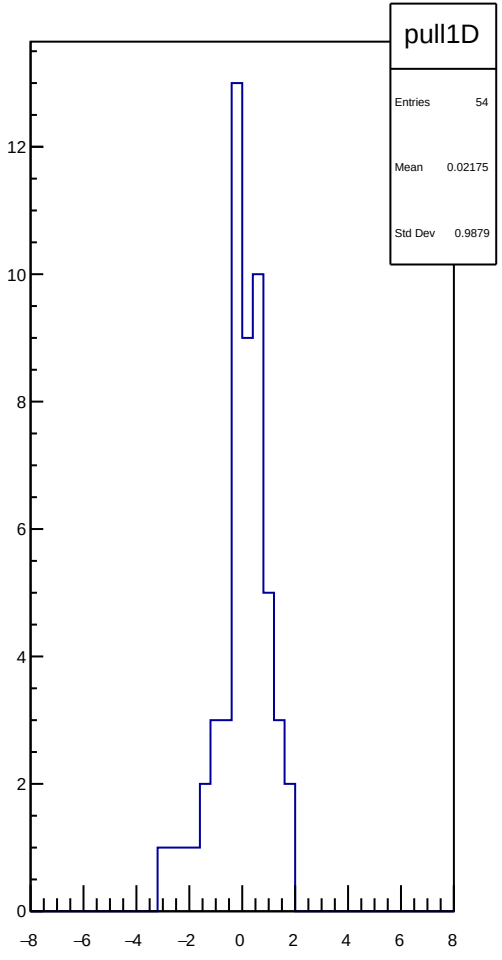

pull1D
Entries 54
Mean −0.03655
Std Dev 0.8905
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

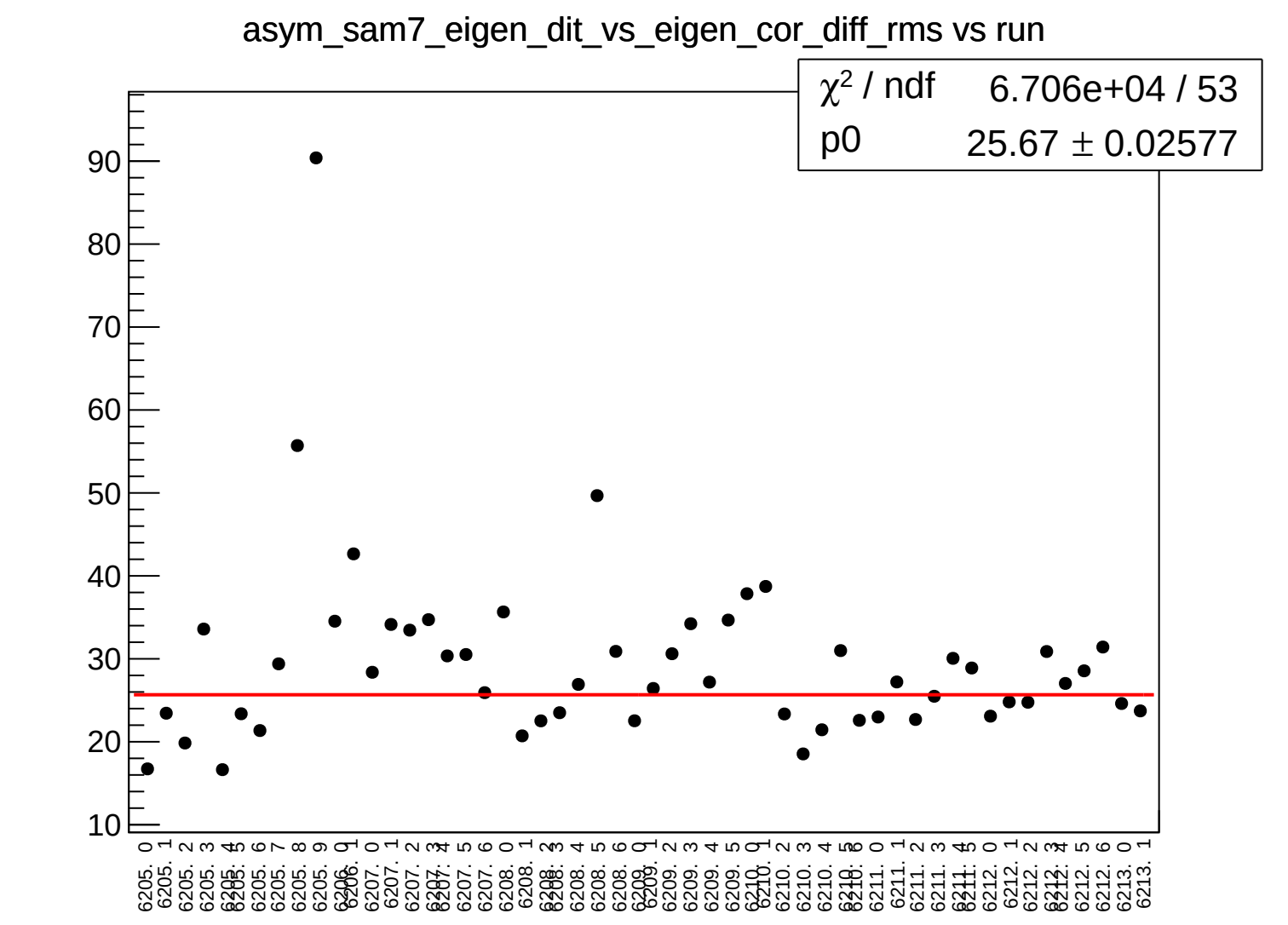

asym_sam7_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3099 / 53
p0 0.001426 ± 1.387e−06
0.00165
0.0016
0.00155
0.0015
0.00145
0.0014
0.00135
0.0013
0.00125

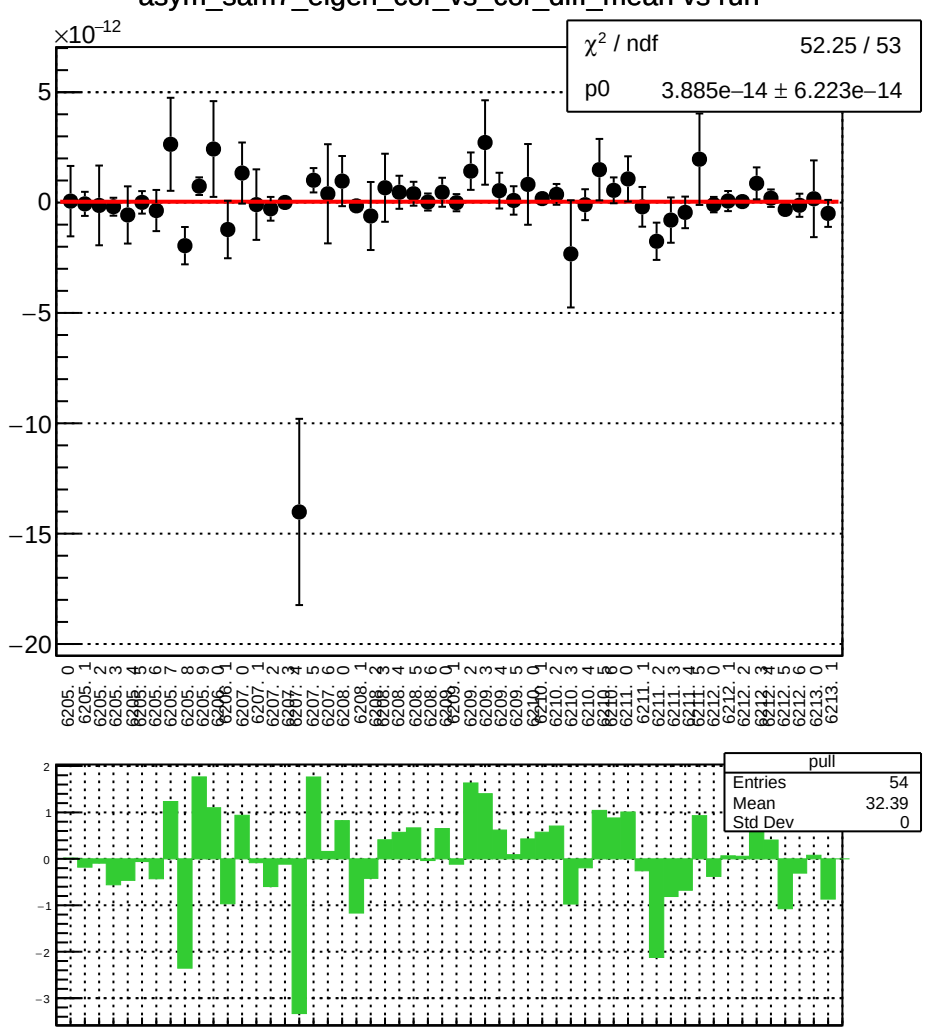

asym_sam7_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 52.73 / 53
p0 0.0009591 ± 0.03644
pull
Entries 54
Mean −12.85
Std Dev 0
pull1D
Entries 54
Mean 0.02175
Std Dev 0.9879

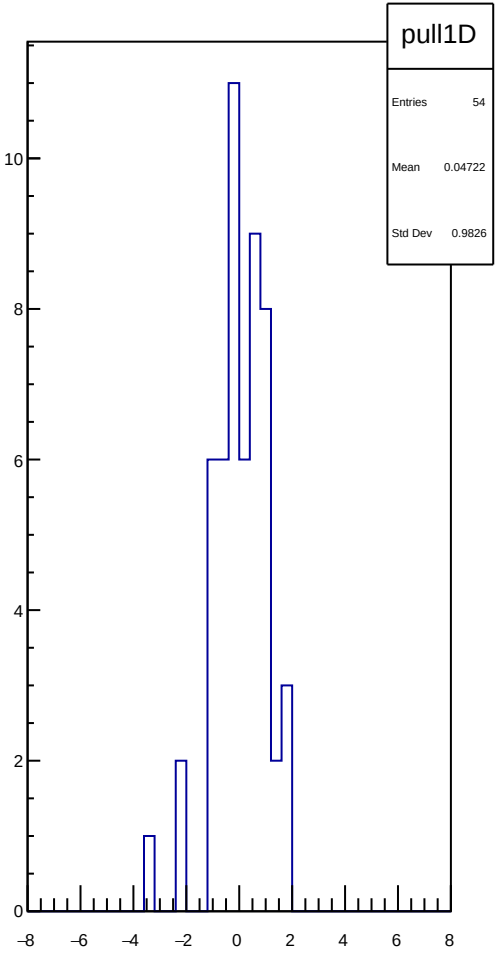

asym_sam7_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 6.706e+04 / 53
p0 25.67 ± 0.02577
90
80
70
60
50
40
30
20
10
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

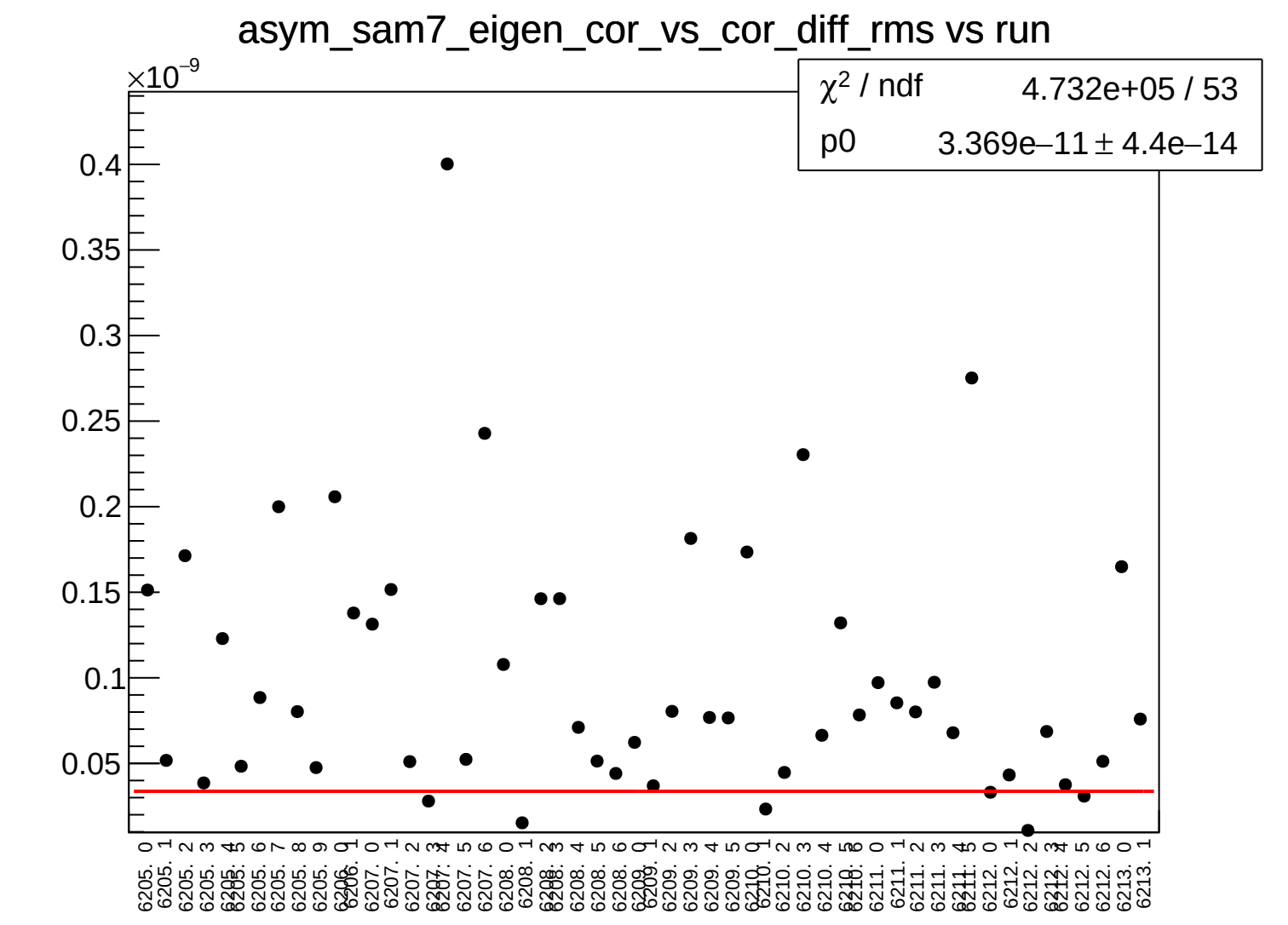

asym_sam7_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 52.73 / 53
p0 0.0009591 ± 0.03644
pull
Entries 54
Mean −12.85
Std Dev 0

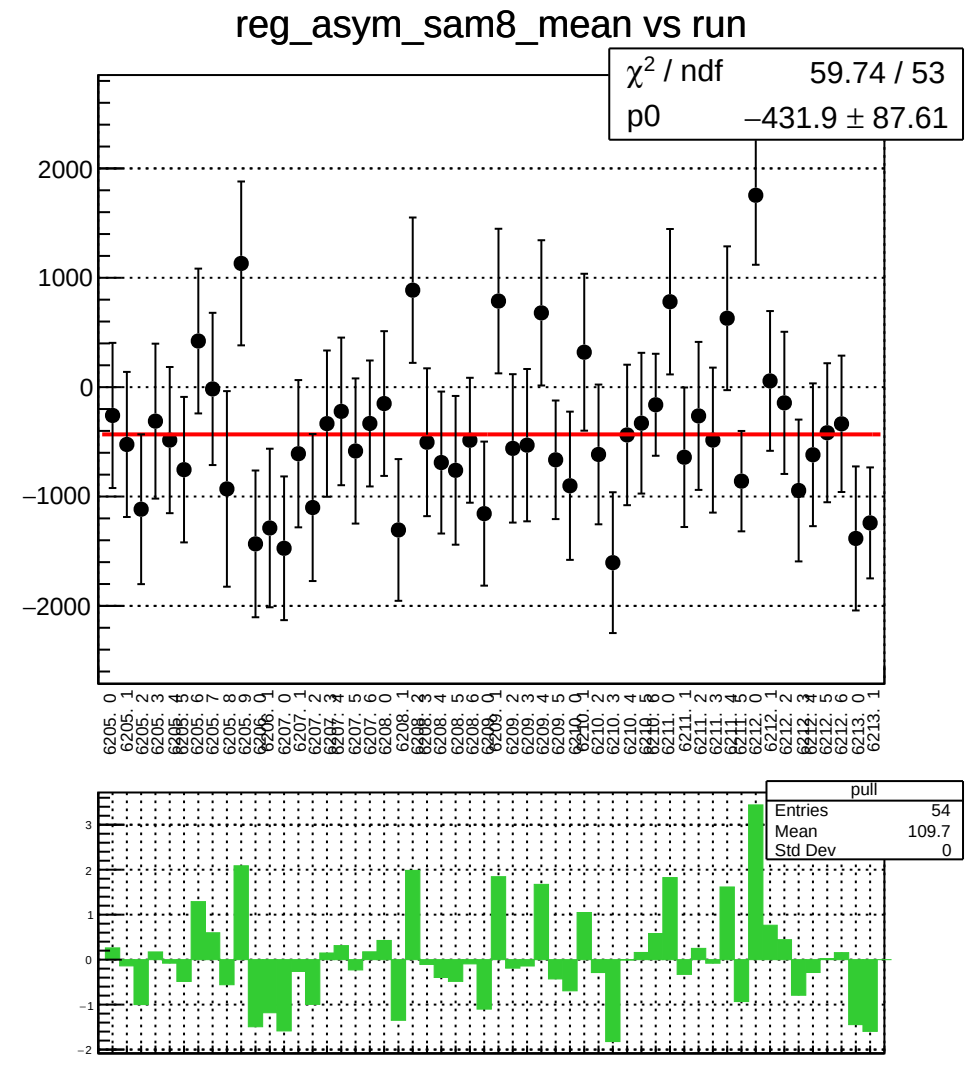

pull1D
Entries 54
Mean 0.02175
Std Dev 0.9879

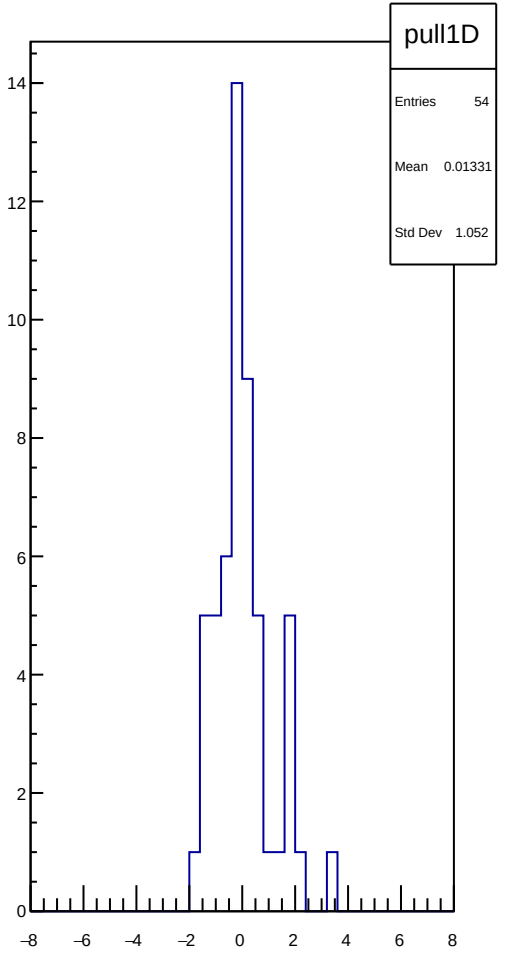

asym_sam7_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.706e+04 / 53
p0 25.67 ± 0.02577
90
80
70
60
50
40
30
20
10
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 1
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

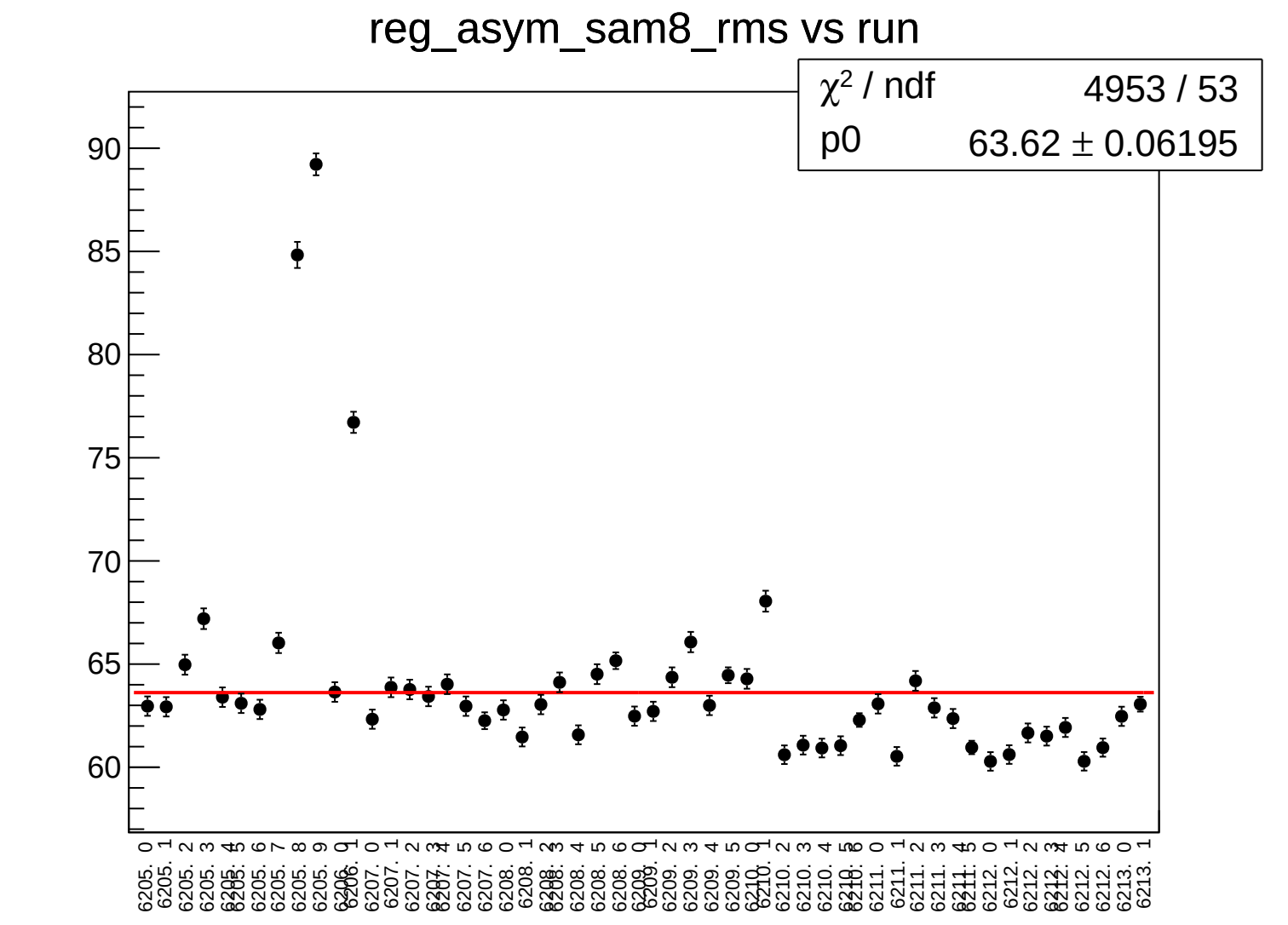

asym_sam7_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 52.25 / 53
p0 3.885e−14 ± 6.223e−14
pull
Entries 54
Mean 32.39
Std Dev 0


pull1D
Entries 54
Mean 0.04722
Std Dev 0.9826


asym_sam7_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.732e+05 / 53
p0 3.369e−11 ± 4.4e−14
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


reg_asym_sam8_mean vs run
χ² / ndf 59.74 / 53
p0 −431.9 ± 87.61
2000
1000
0
−1000
−2000
pull
Entries 54
Mean 109.7
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 54
Mean 0.01331
Std Dev 1.052
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_sam8_rms vs run
χ² / ndf 4953 / 53
p0 63.62 ± 0.06195
90
85
80
75
70
65
60
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
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6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
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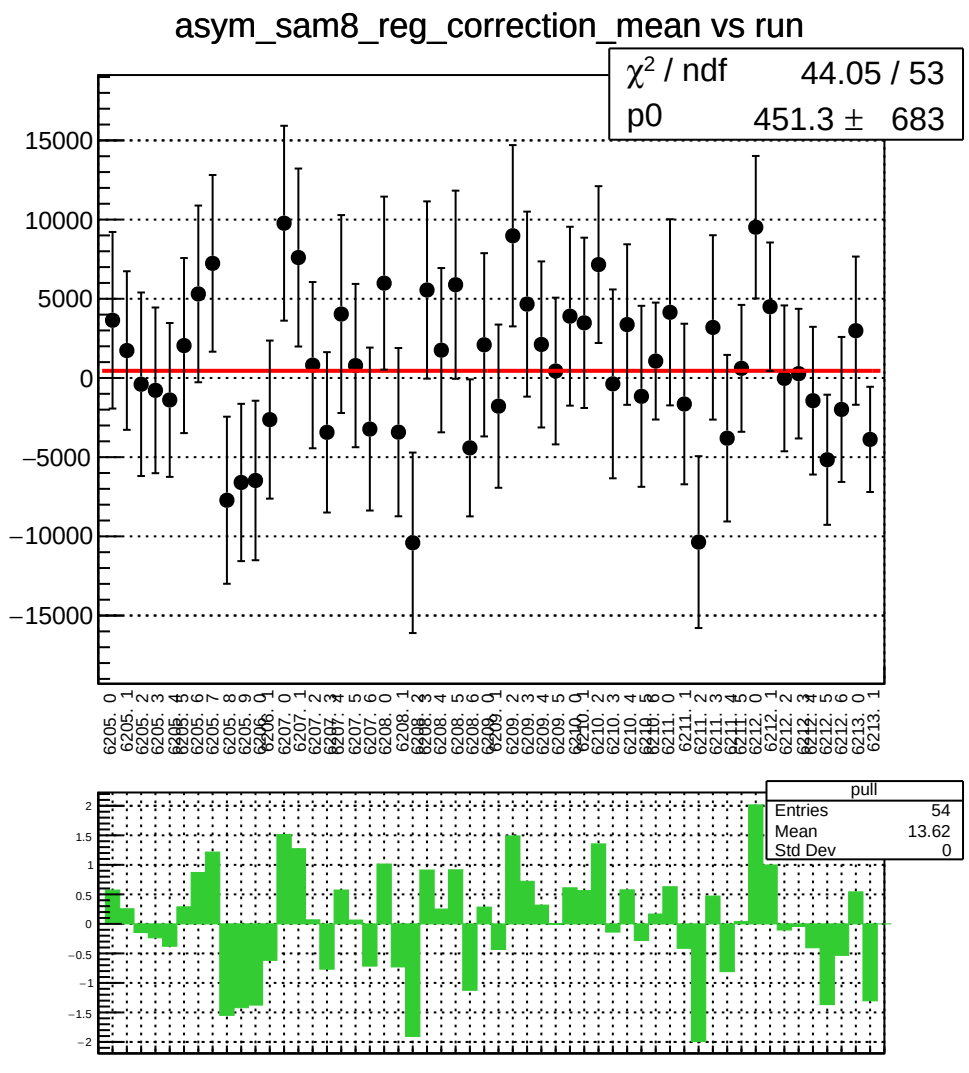
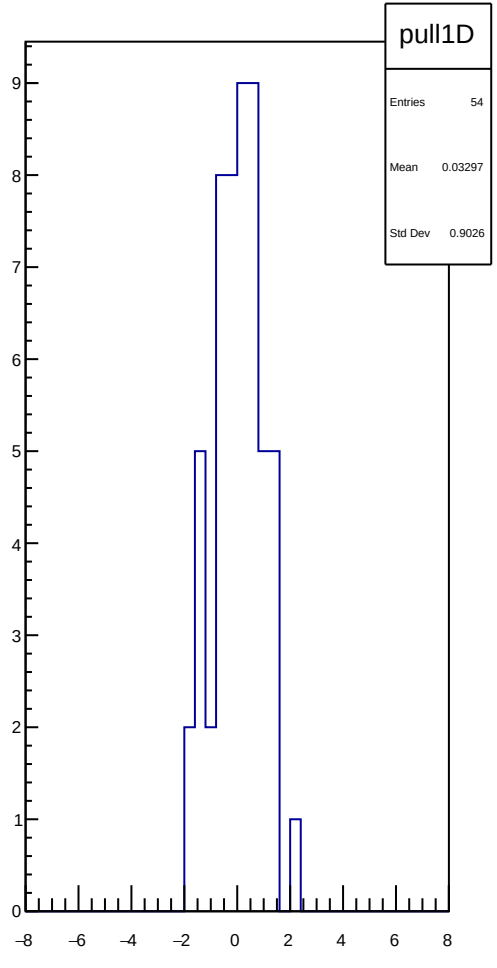
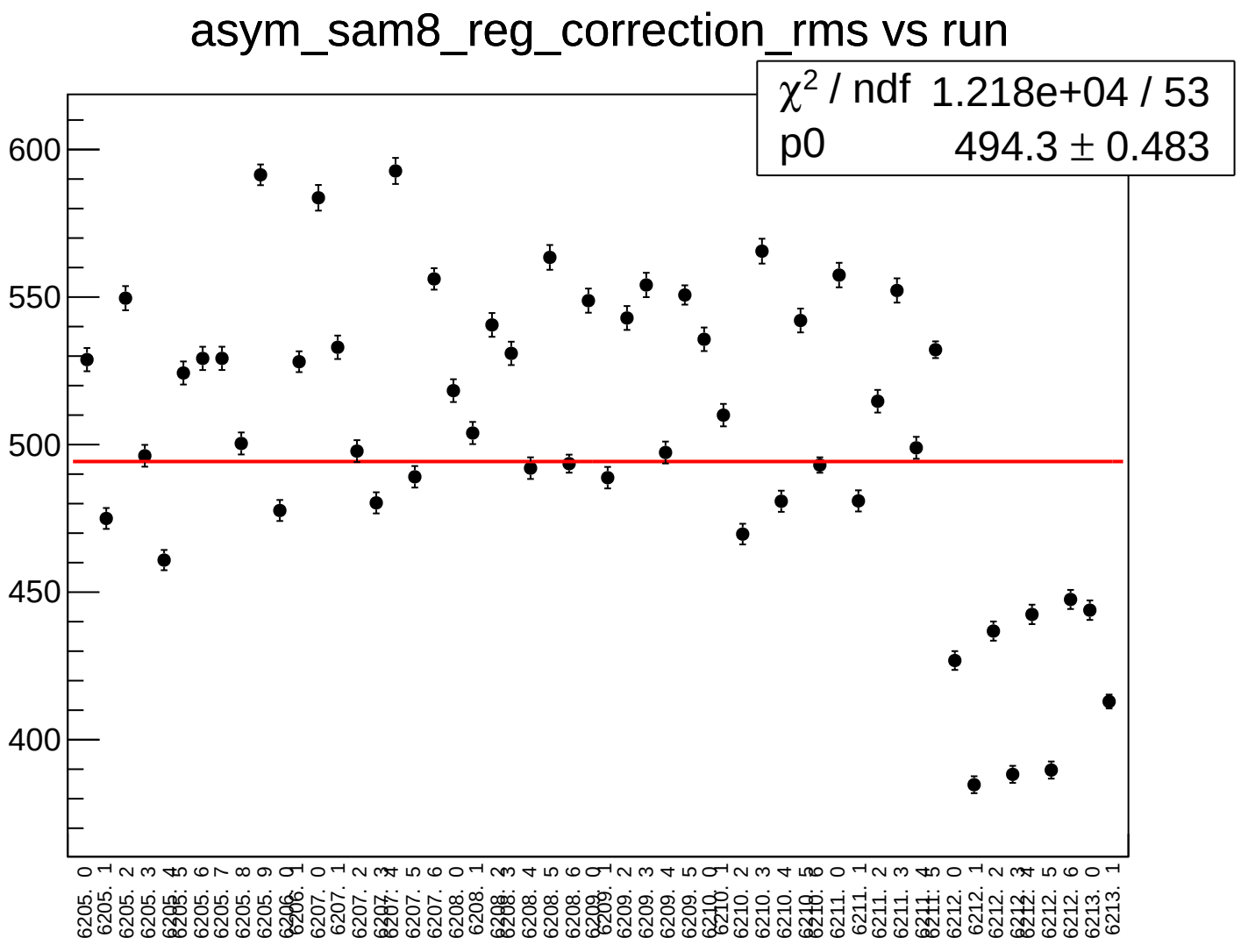
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_sam8_reg_correction_mean vs run
χ² / ndf 44.05 / 53
p0 451.3 ± 683
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 54
Mean 13.62
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 54
Mean 0.03297
Std Dev 0.9026
9
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 1.218e+04 / 53
p0 494.3 ± 0.483
600
550
500
450
400
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
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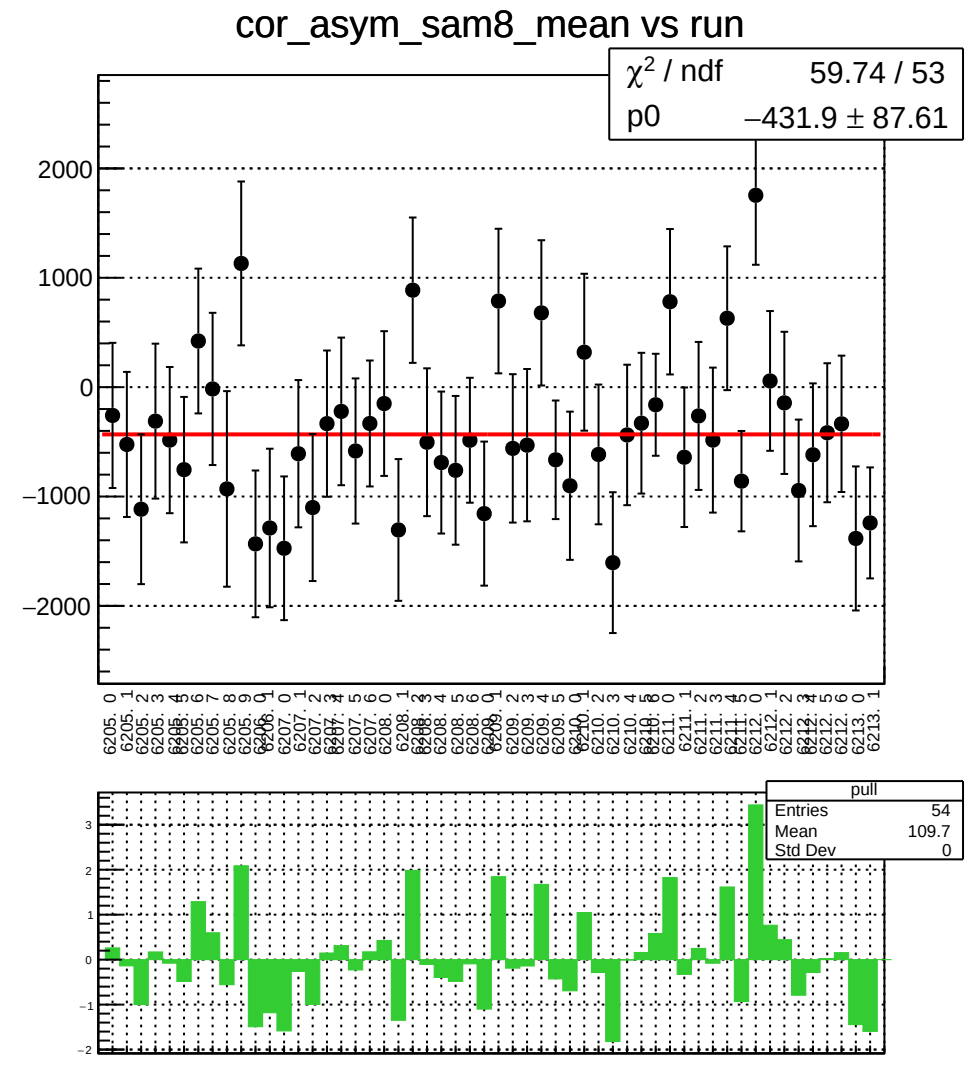
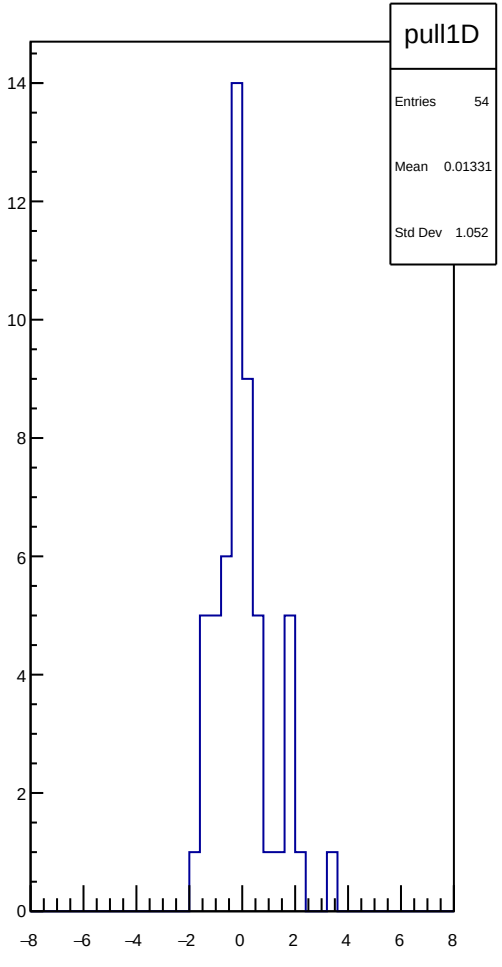
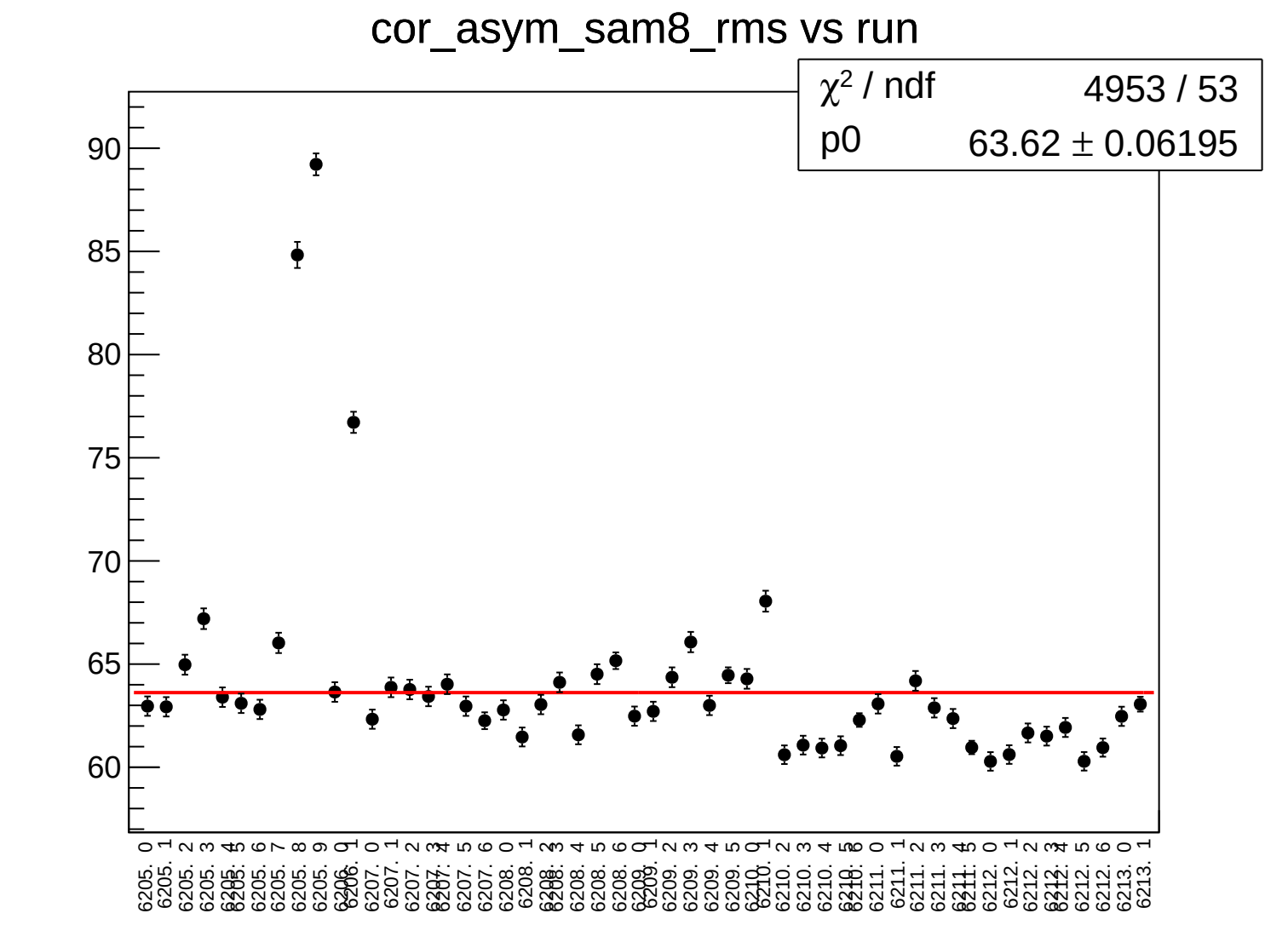
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


cor_asym_sam8_mean vs run
χ² / ndf 59.74 / 53
p0 −431.9 ± 87.61
2000
1000
0
−1000
−2000
pull
Entries 54
Mean 109.7
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 54
Mean 0.01331
Std Dev 1.052
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_sam8_rms vs run
χ^2 / ndf 4953 / 53
p0 63.62 ± 0.06195
90
85
80
75
70
65
60
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
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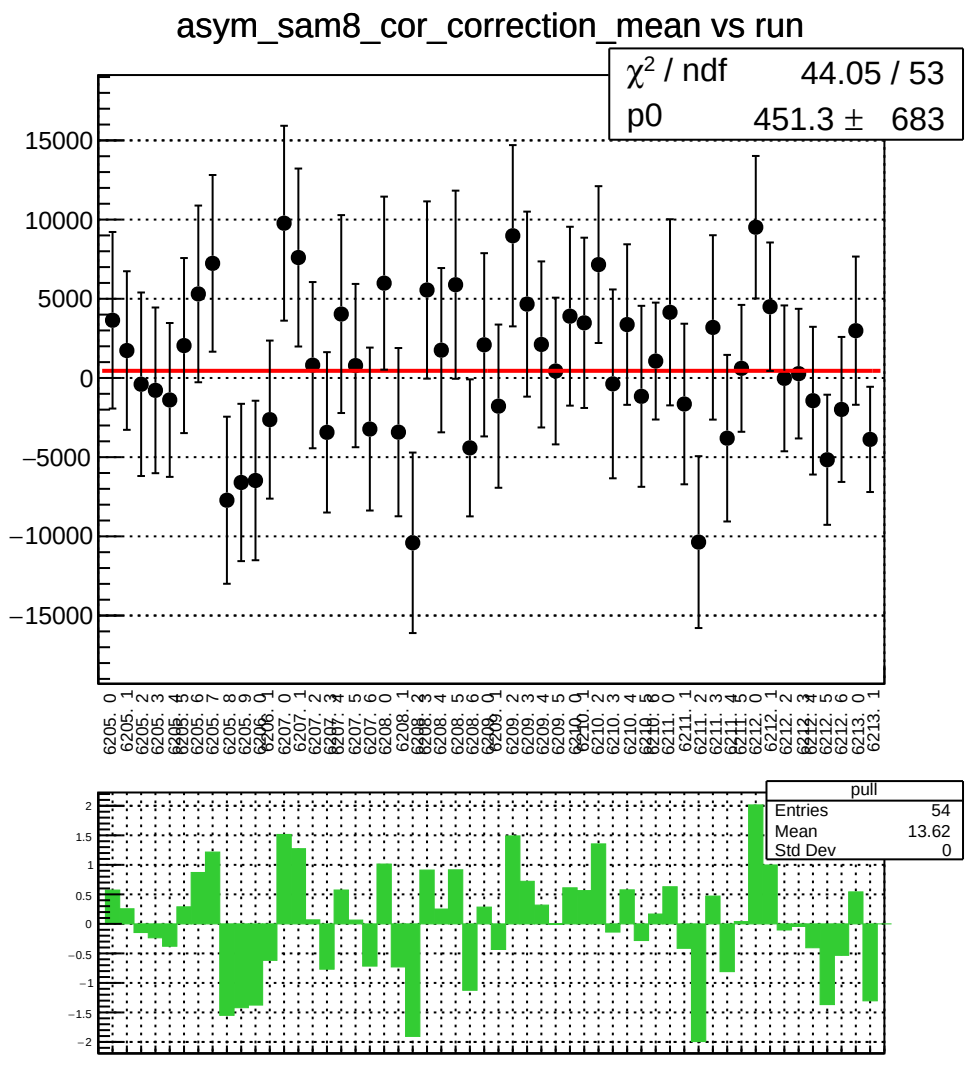
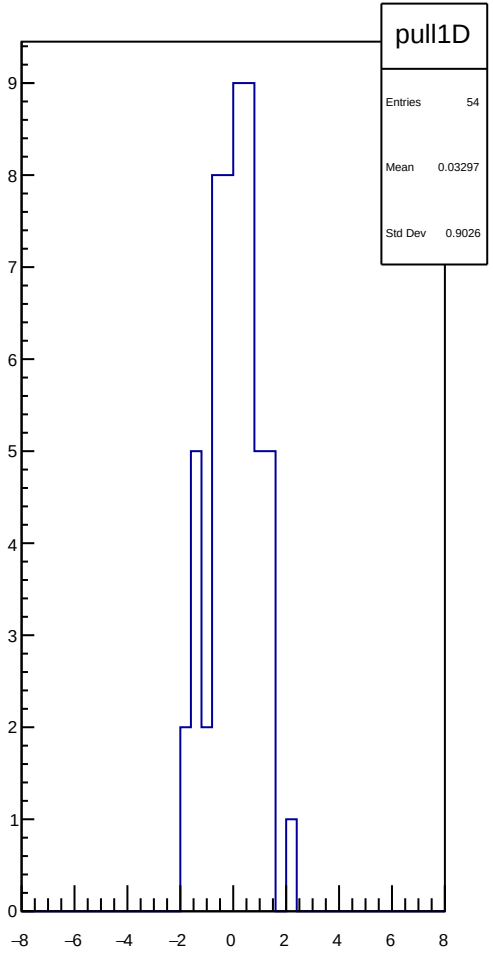
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_sam8_cor_correction_mean vs run
χ² / ndf 44.05 / 53
p0 451.3 ± 683
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 54
Mean 13.62
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 54
Mean 0.03297
Std Dev 0.9026
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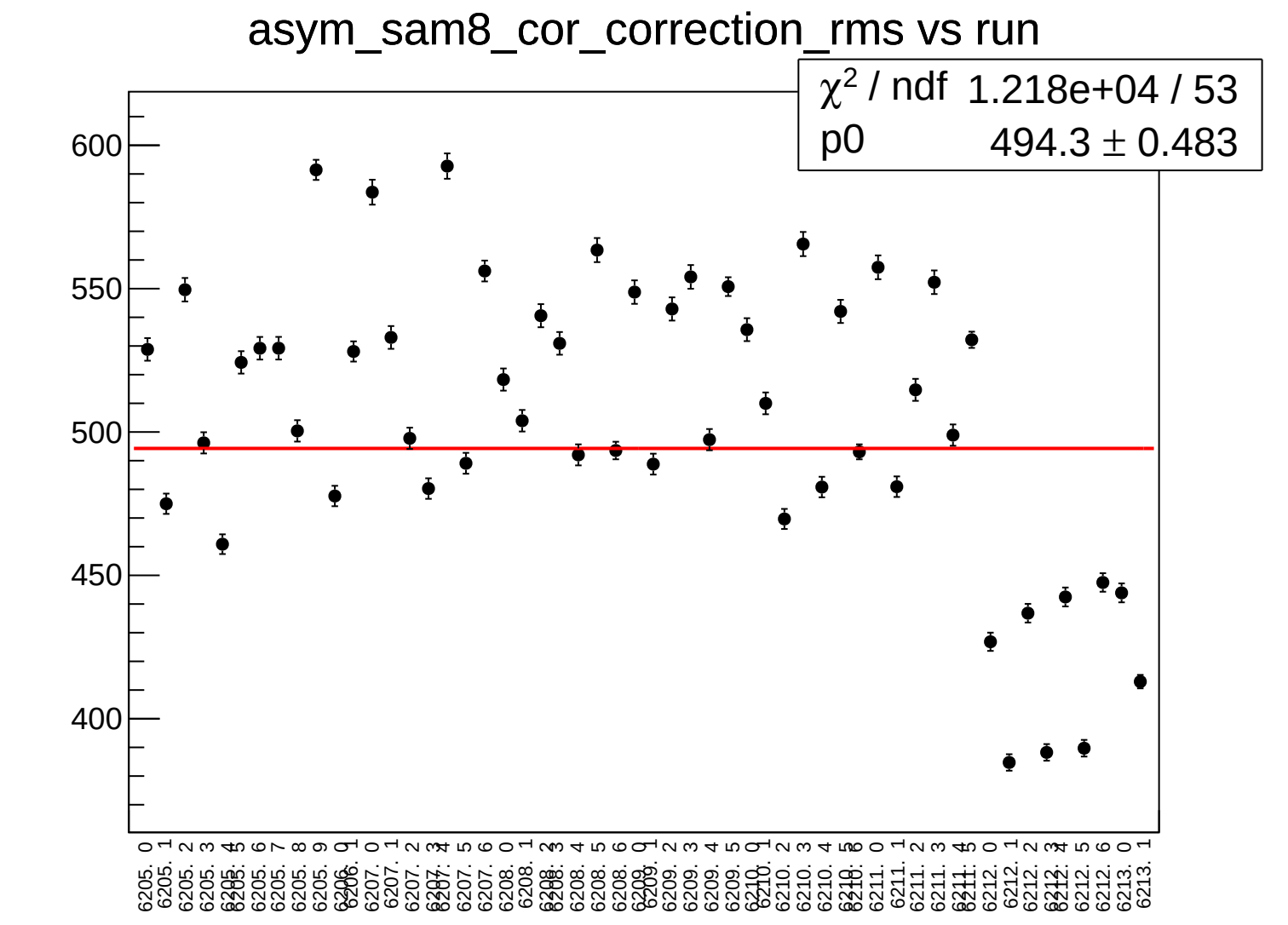
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam8_cor_correction_rms vs run
χ² / ndf 1.218e+04 / 53
p0 494.3 ± 0.483
600
550
500
450
400
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
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6208. 2
6208. 3
6208. 4
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6208. 6
6209. 0
6209. 1
6209. 2
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6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
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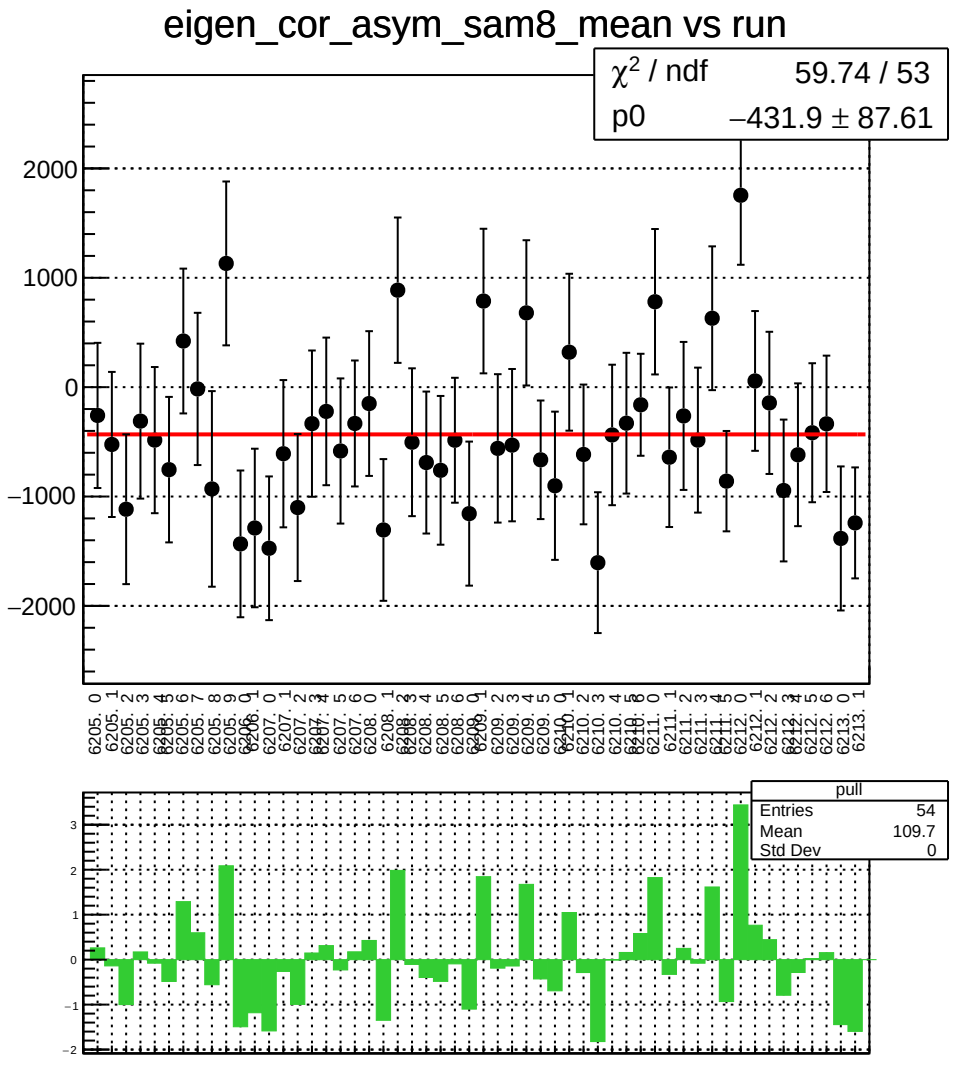
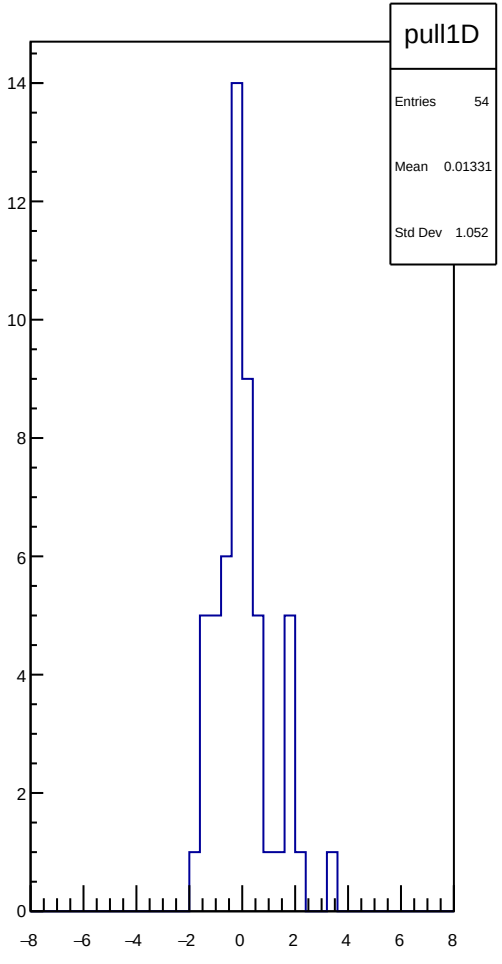
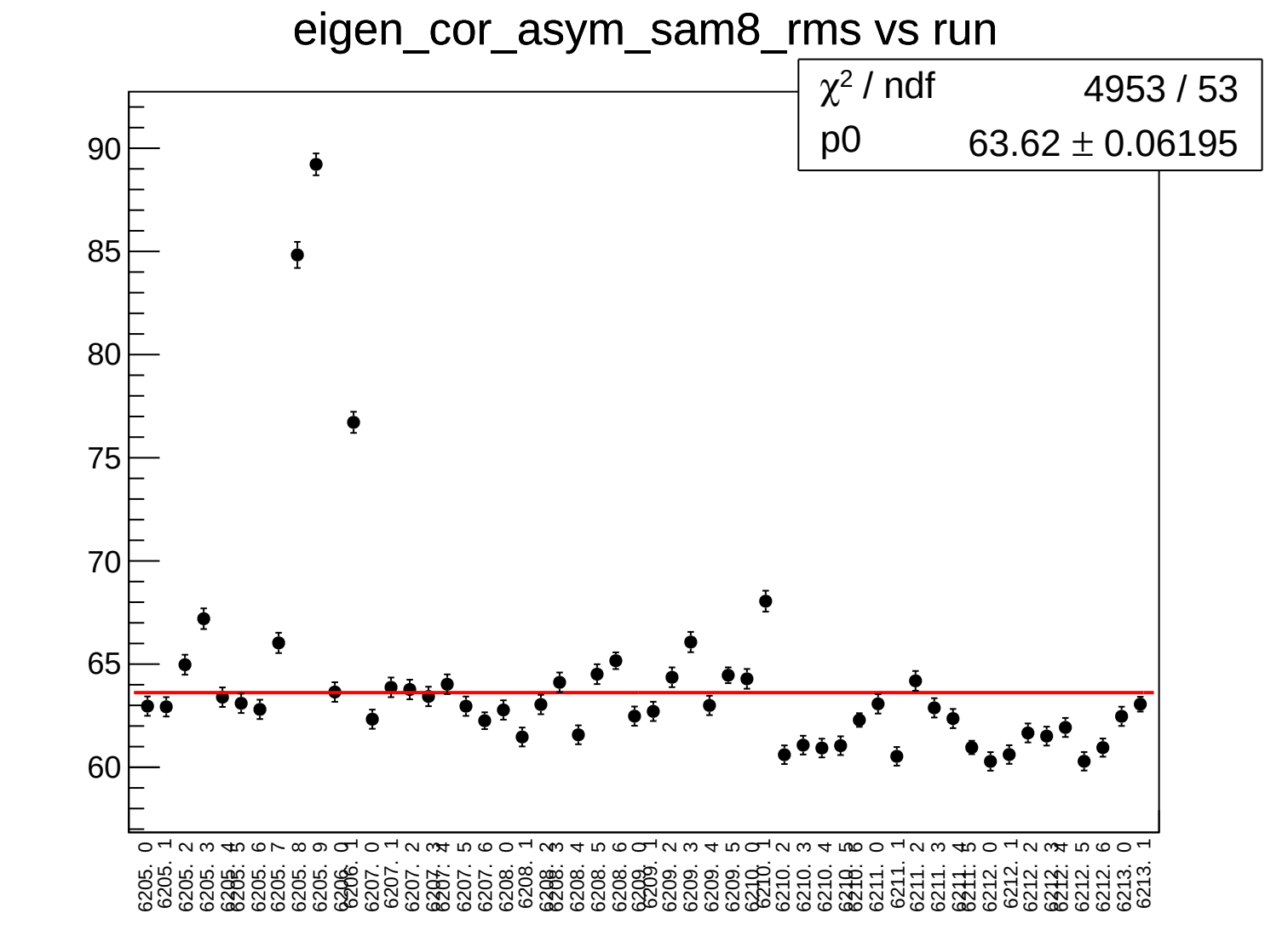
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


eigen_cor_asym_sam8_mean vs run
χ² / ndf 59.74 / 53
p0 −431.9 ± 87.61
2000
1000
0
−1000
−2000
pull
Entries 54
Mean 109.7
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 54
Mean 0.01331
Std Dev 1.052
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_sam8_rms vs run
χ² / ndf 4953 / 53
p0 63.62 ± 0.06195
90
85
80
75
70
65
60
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
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6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
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6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
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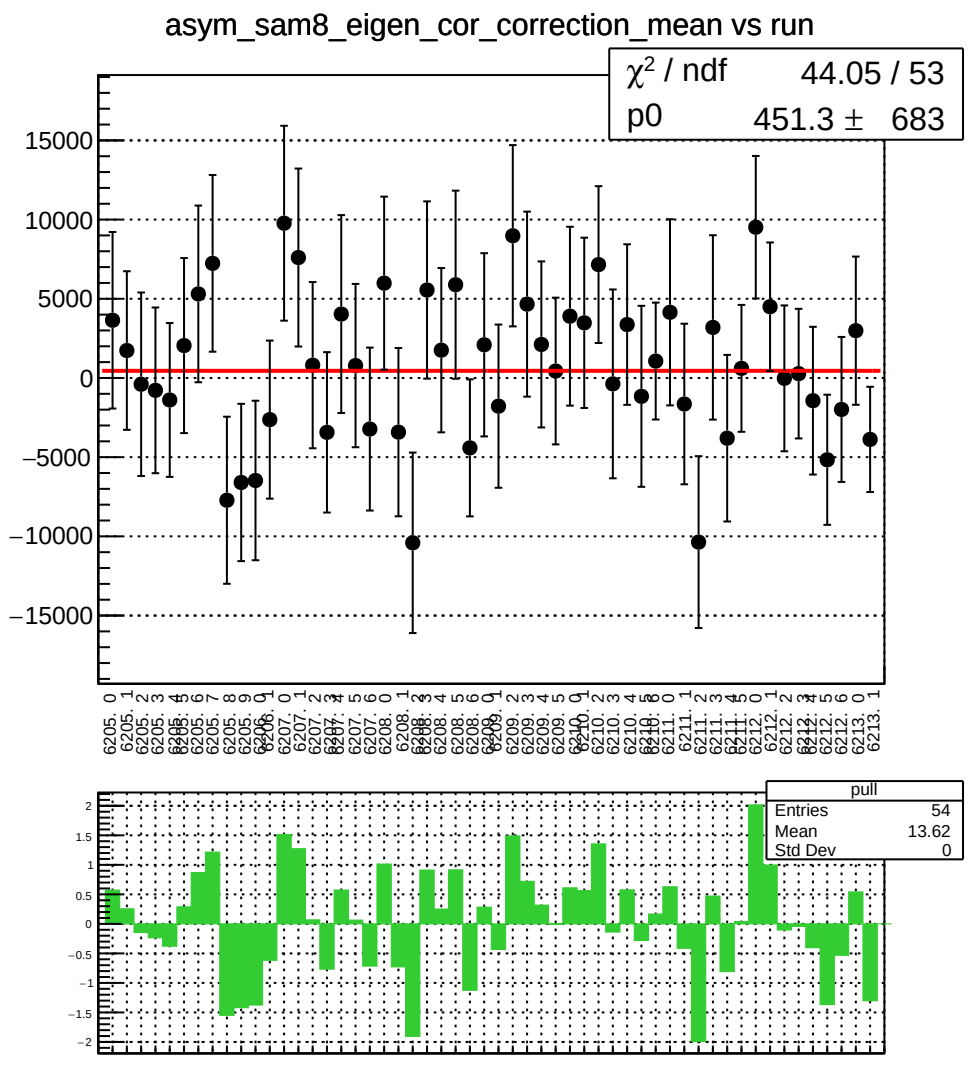
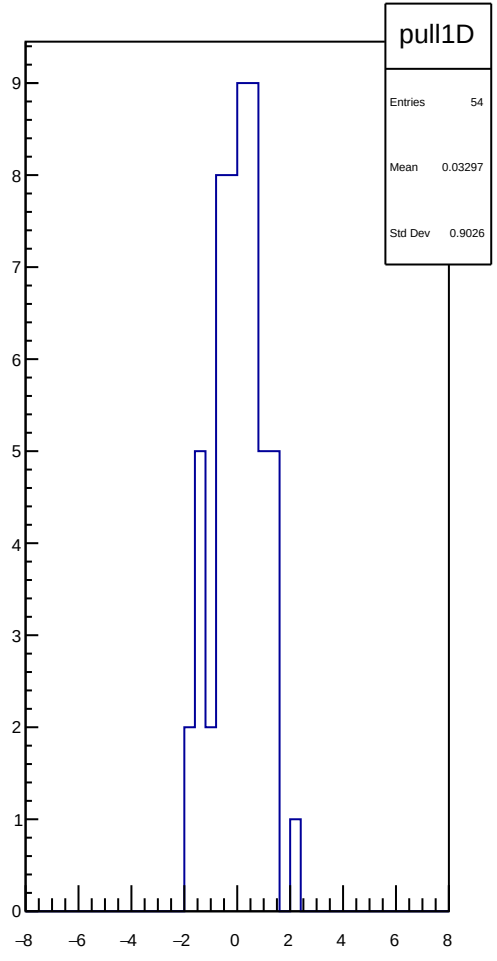
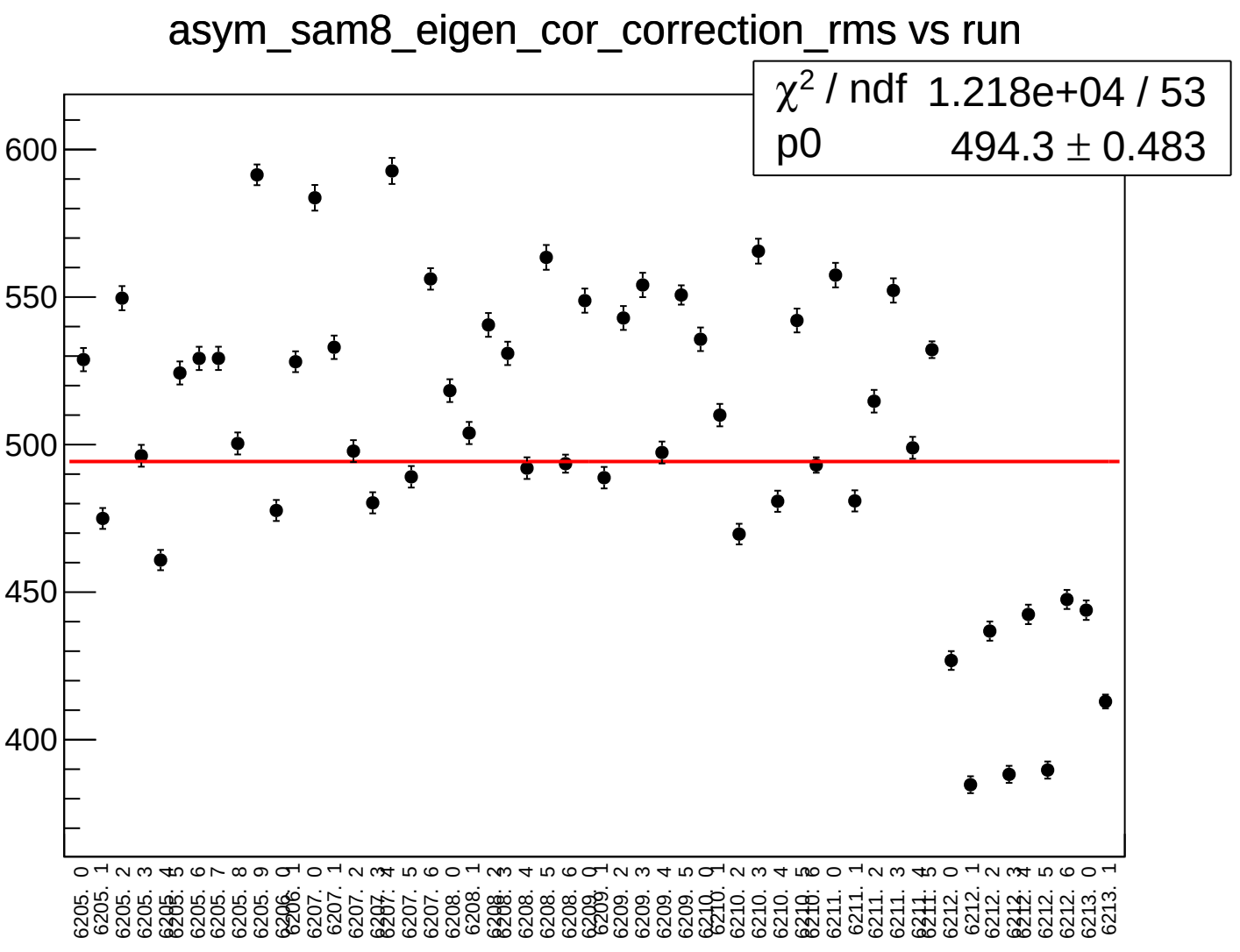
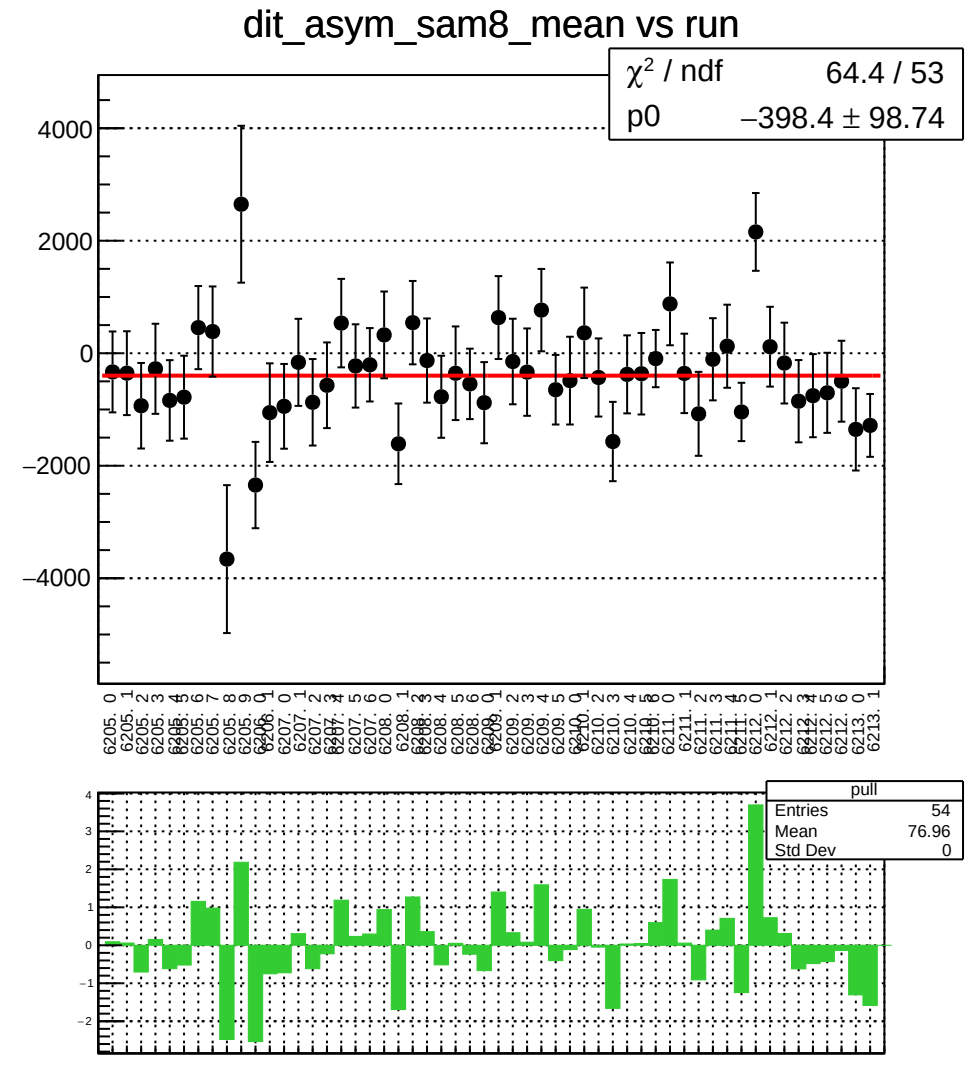
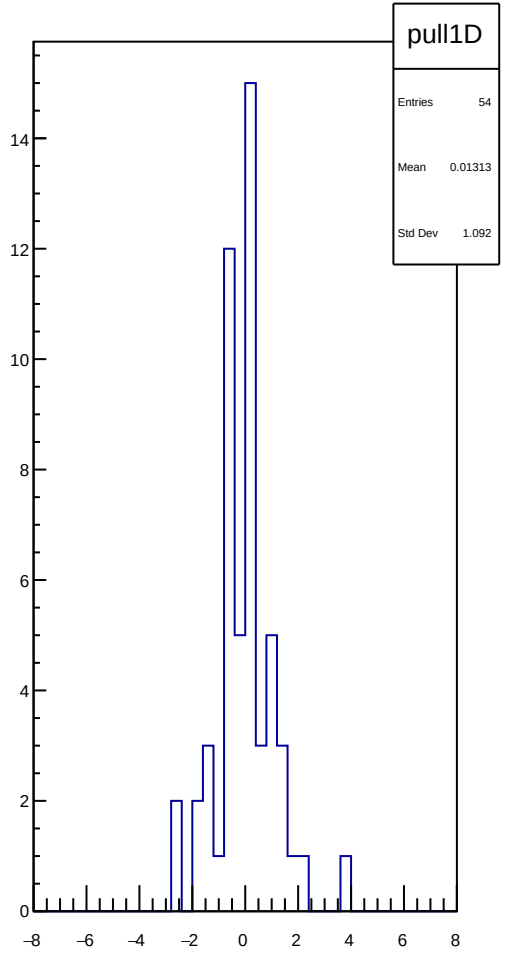
6212. 6
6213. 0
6213. 1

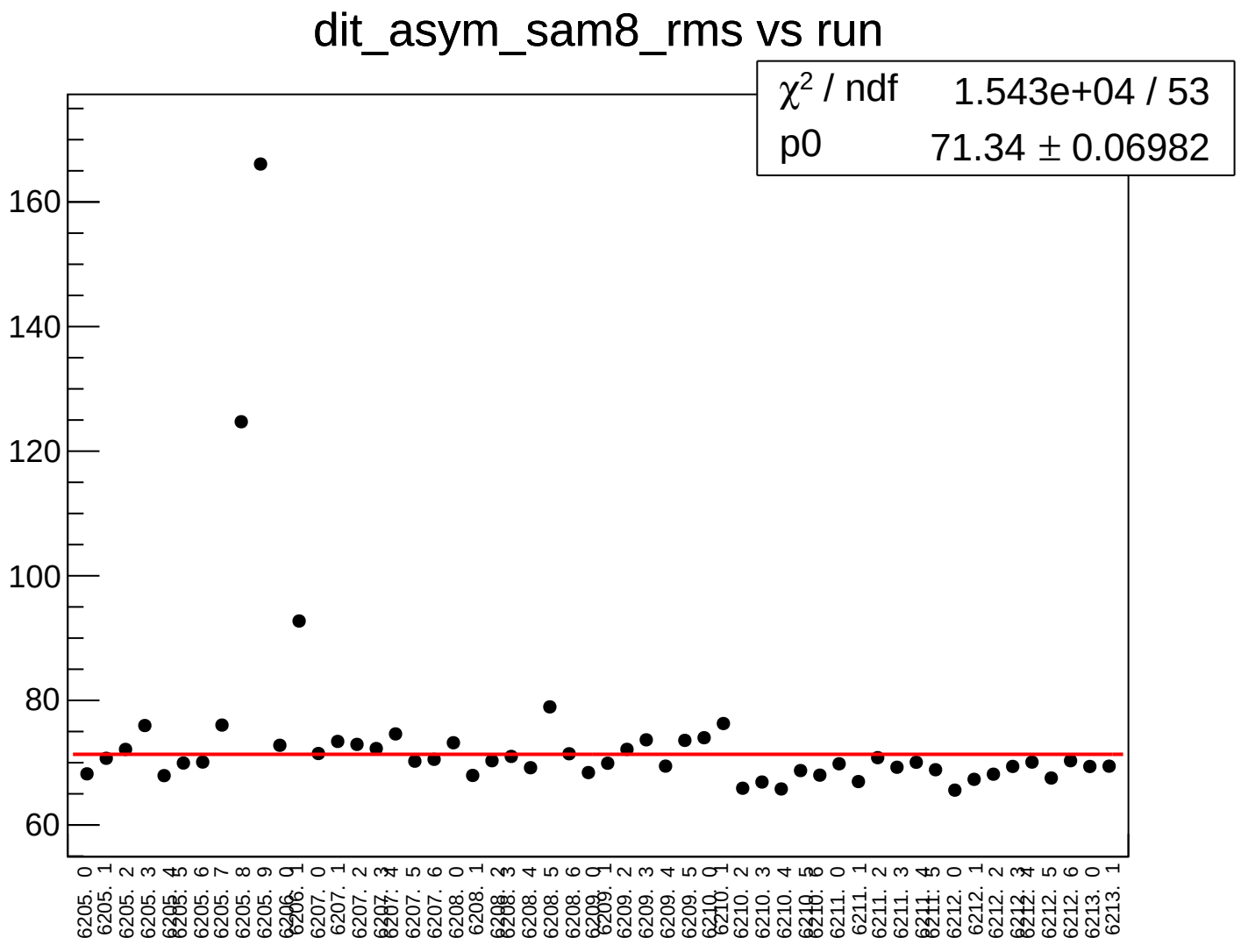

asym_sam8_eigen_cor_correction_mean vs run
χ² / ndf 44.05 / 53
p0 451.3 ± 683
pull
Entries 54
Mean 13.62
Std Dev 0

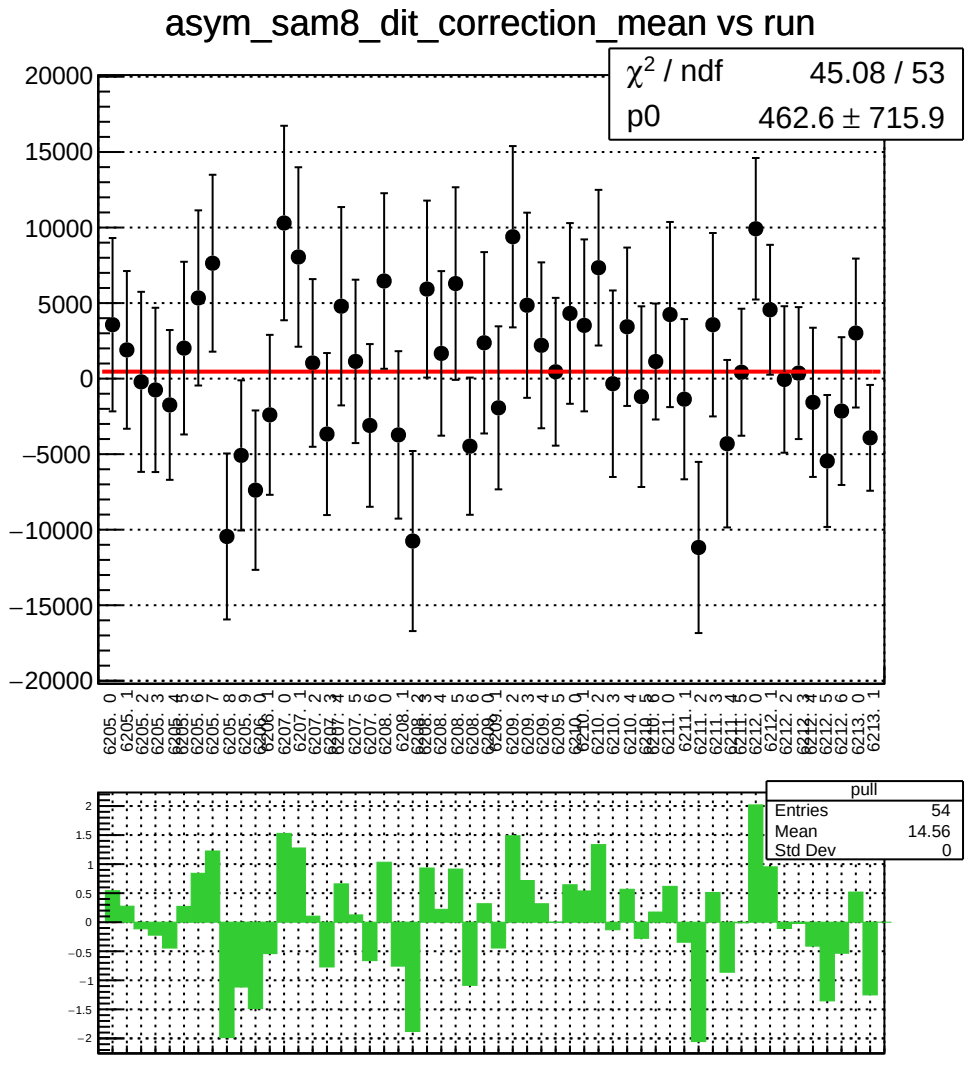

pull1D
Entries 54
Mean 0.03297
Std Dev 0.9026

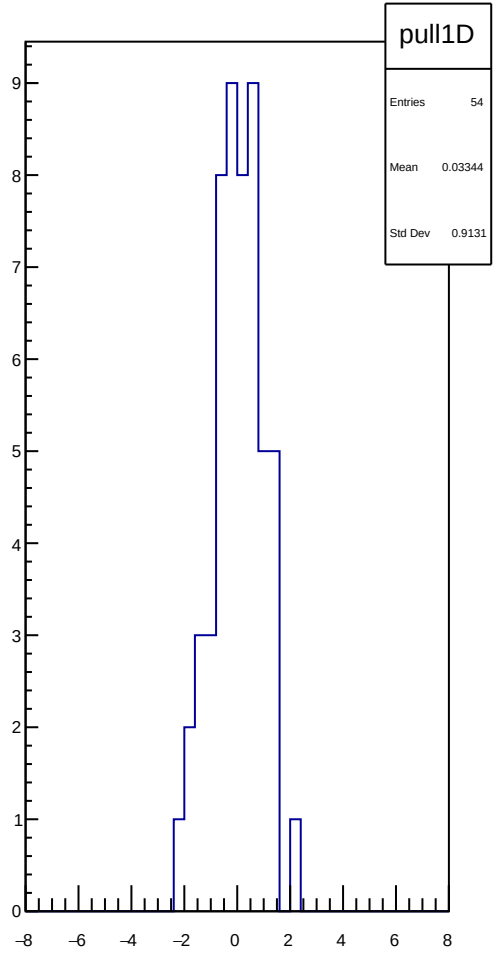

asym_sam8_eigen_cor_correction_rms vs run
χ² / ndf 1.218e+04 / 53
p0 494.3 ± 0.483
600
550
500
450
400
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

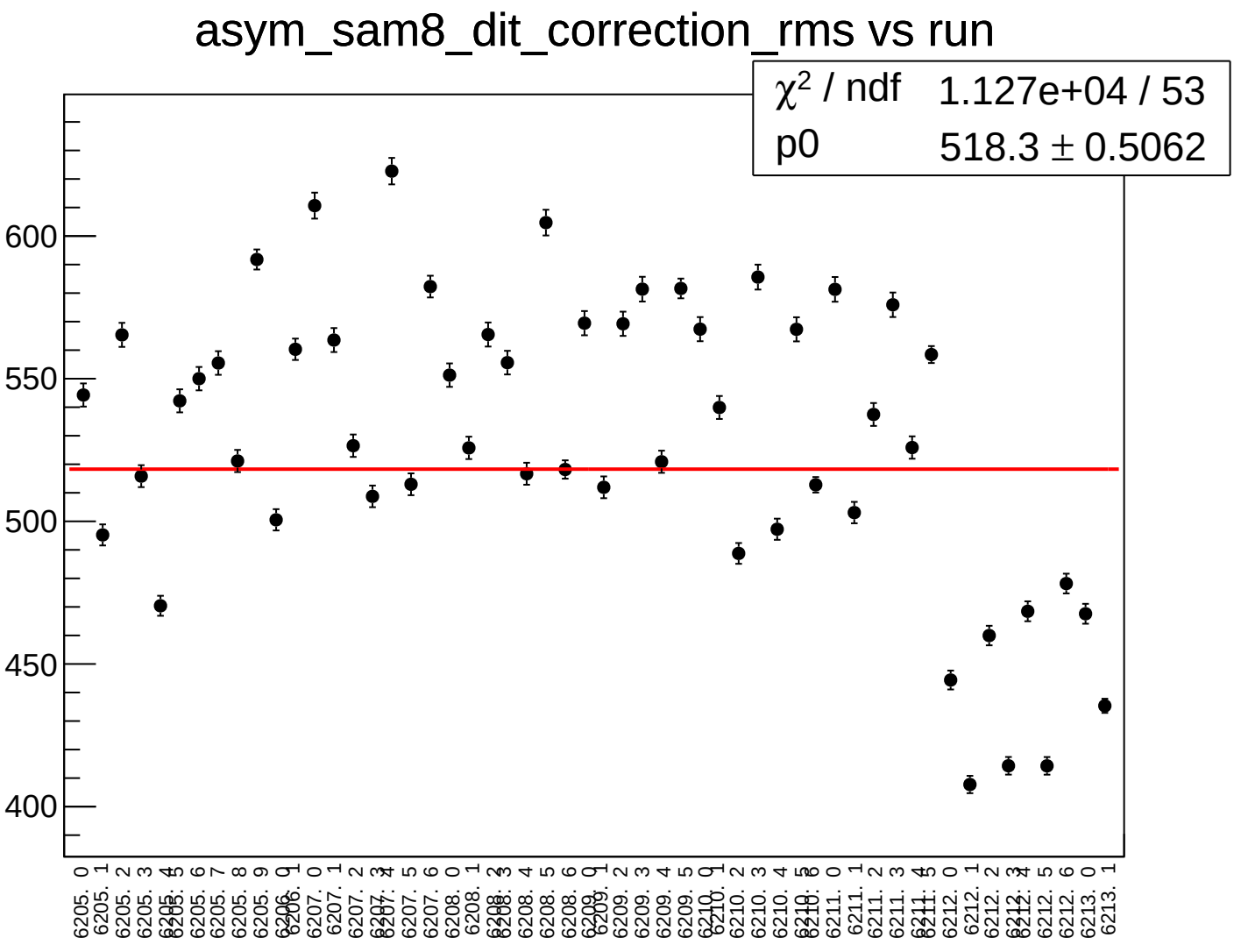

dit_asym_sam8_mean vs run
χ² / ndf 64.4 / 53
p0 −398.4 ± 98.74
4000
2000
0
−2000
−4000
pull
Entries 54
Mean 76.96
Std Dev 0
4
3
2
1
0
−1
−2

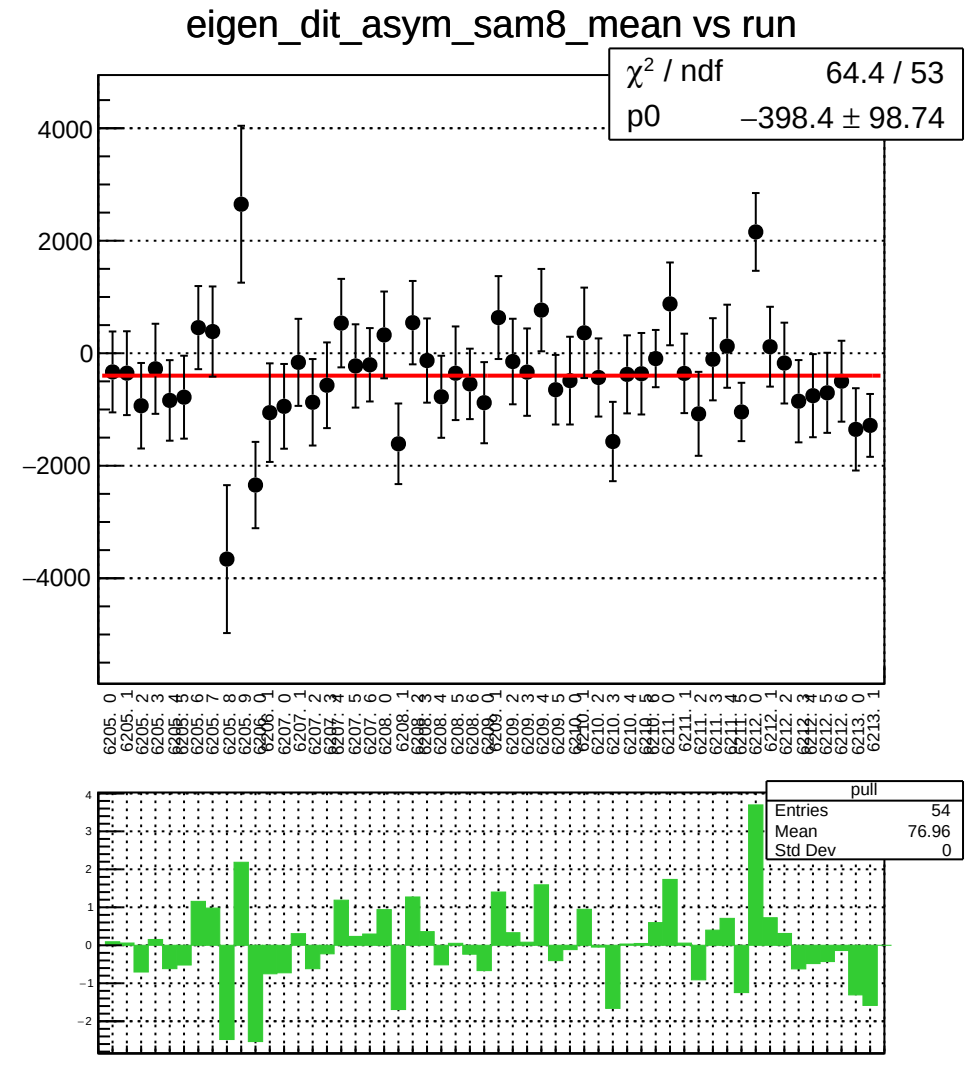

pull1D
Entries 54
Mean 0.01313
Std Dev 1.092
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

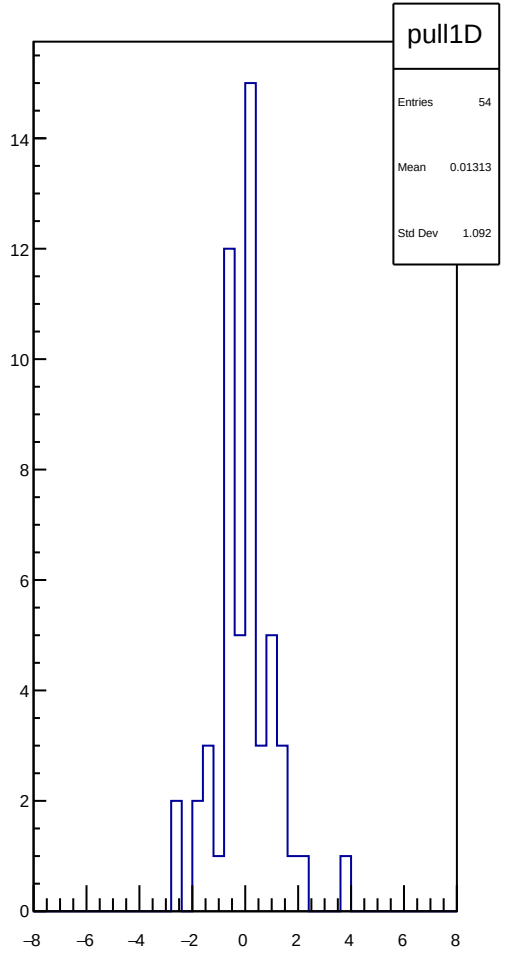

dit_asym_sam8_rms vs run
χ² / ndf 1.543e+04 / 53
p0 71.34 ± 0.06982
160
140
120
100
80
60
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

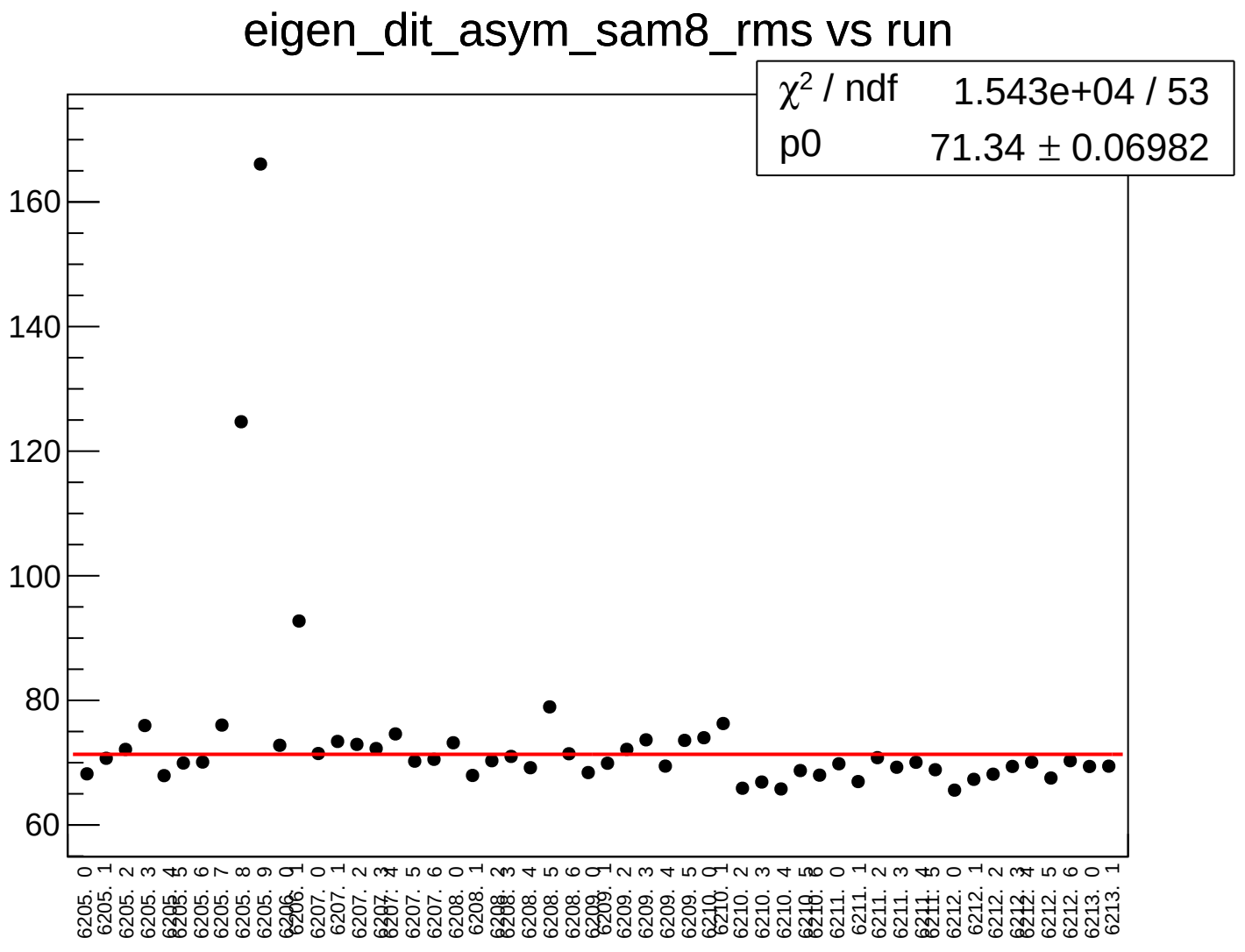

asym_sam8_dit_correction_mean vs run
χ² / ndf 45.08 / 53
p0 462.6 ± 715.9
pull
Entries 54
Mean 14.56
Std Dev 0

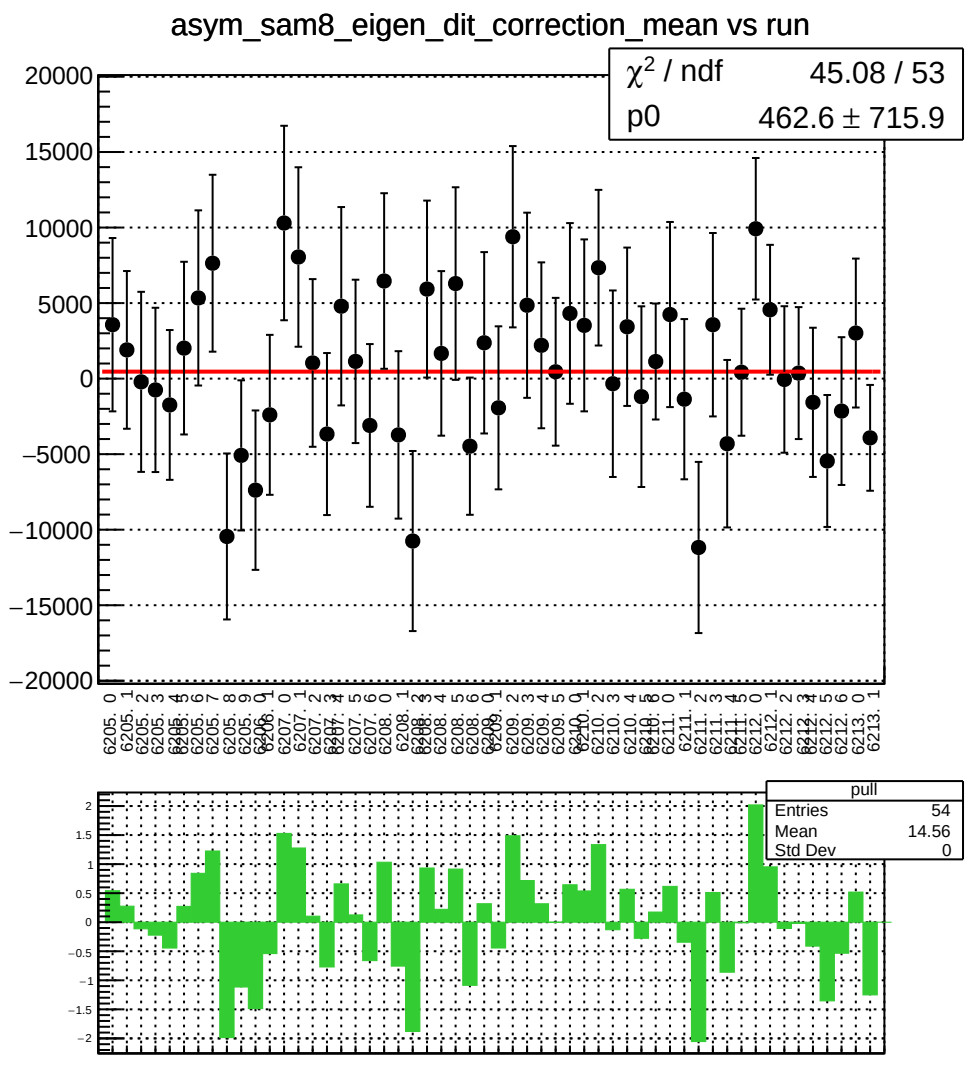

pull1D
Entries 54
Mean 0.03344
Std Dev 0.9131

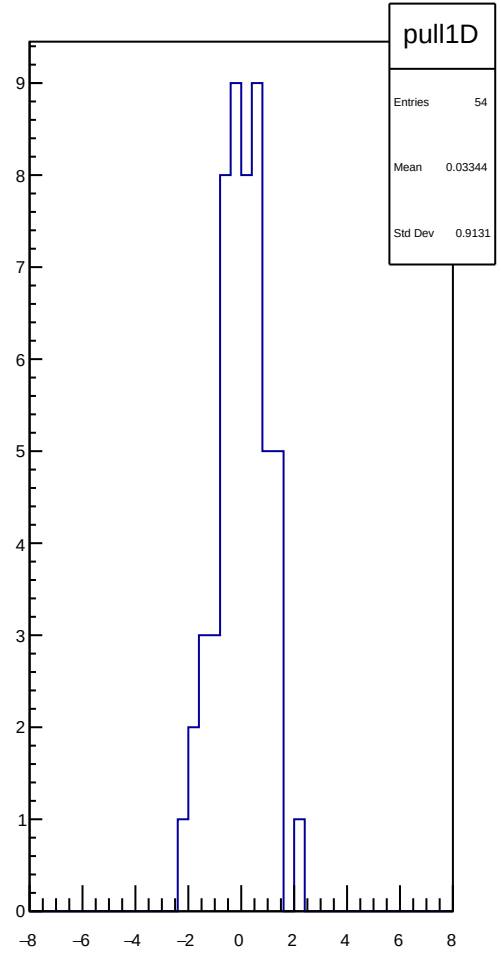

asym_sam8_dit_correction_rms vs run
χ² / ndf 1.127e+04 / 53
p0 518.3 ± 0.5062
600
550
500
450
400
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

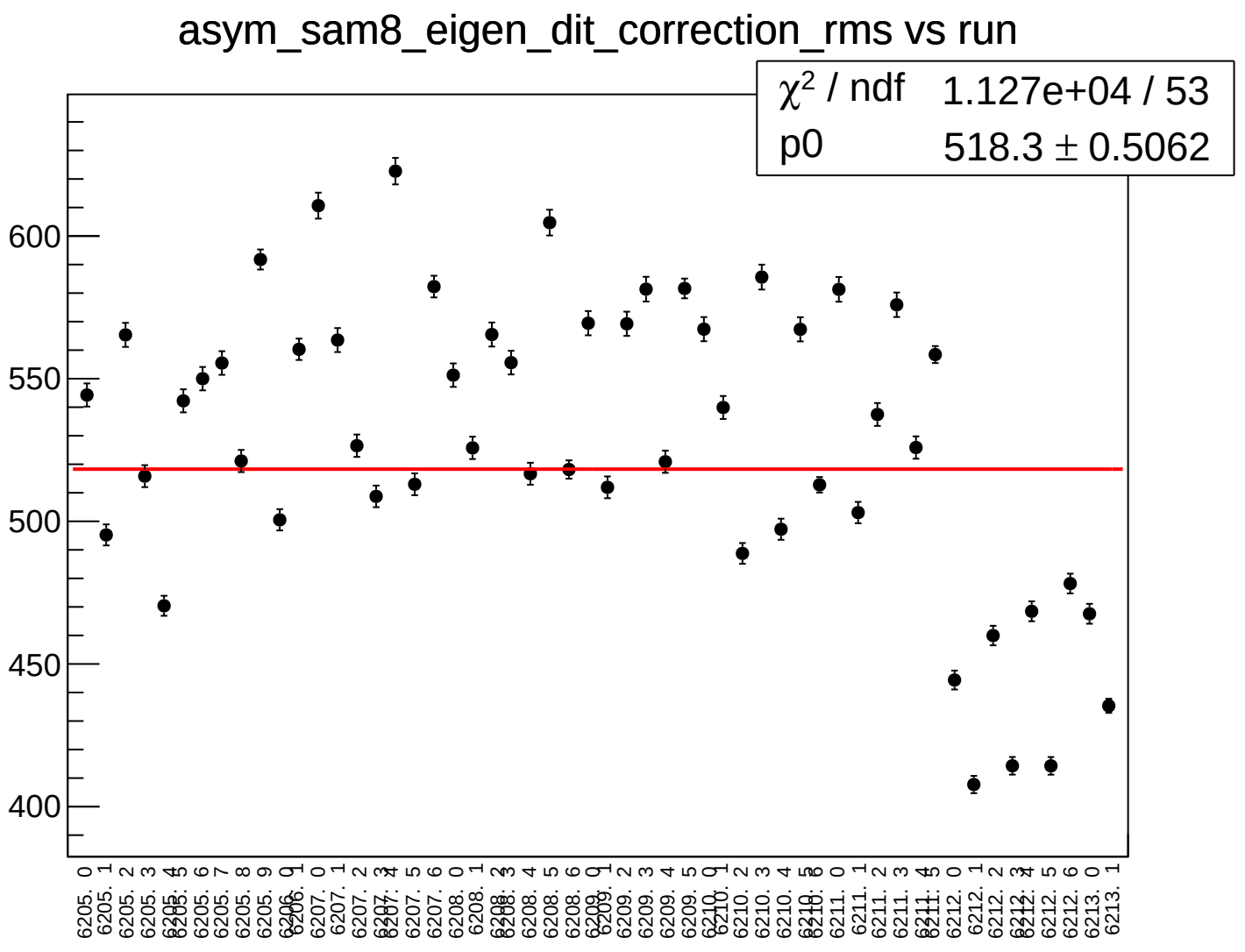

eigen_dit_asym_sam8_mean vs run
χ² / ndf 64.4 / 53
p0 −398.4 ± 98.74
4000
2000
0
−2000
−4000
pull
Entries 54
Mean 76.96
Std Dev 0

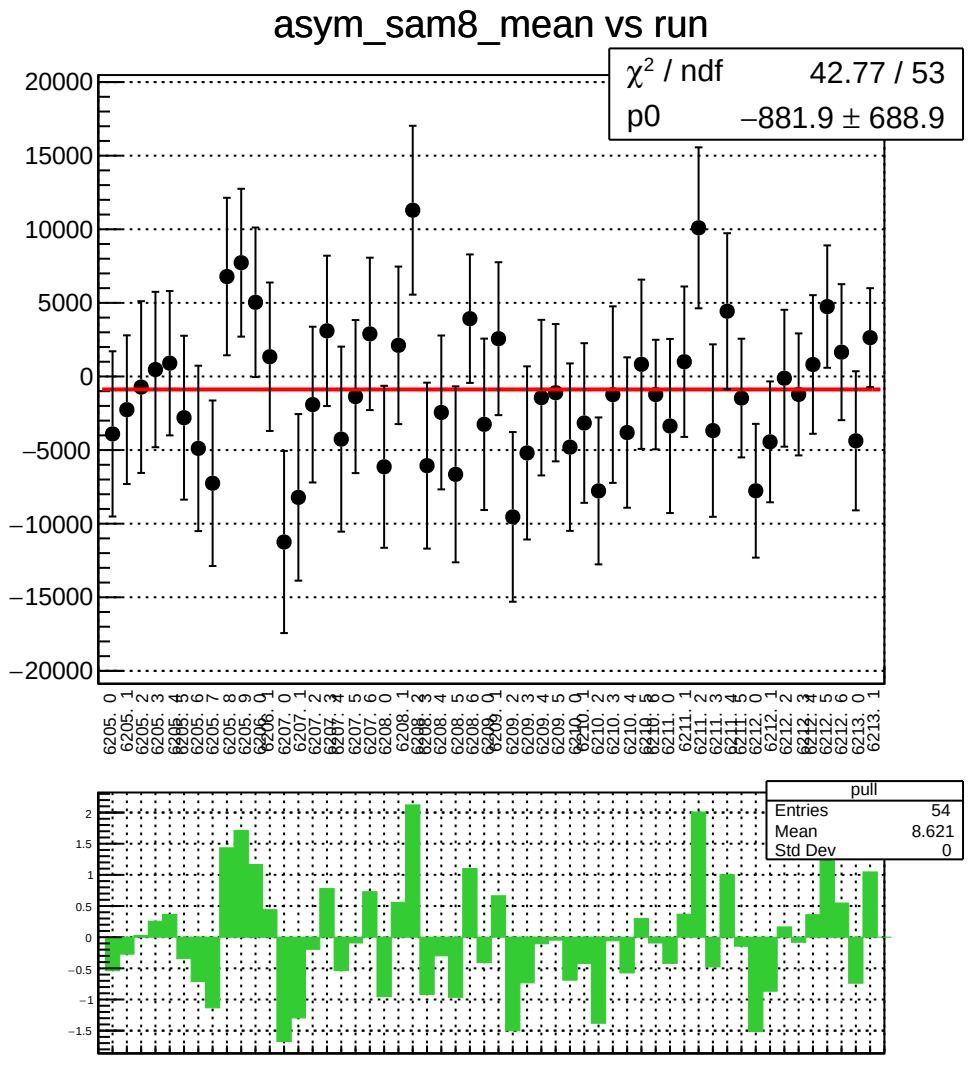

pull1D
Entries 54
Mean 0.01313
Std Dev 1.092

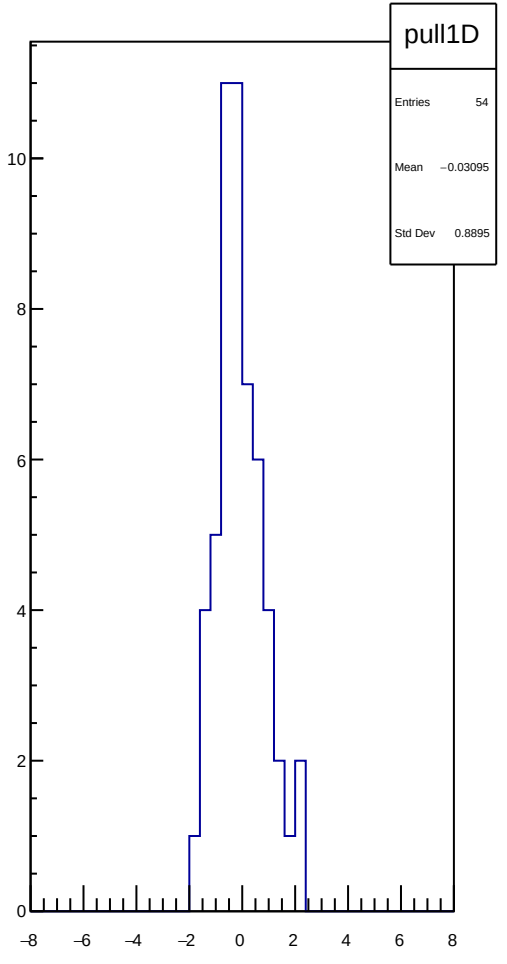

eigen_dit_asym_sam8_rms vs run
χ² / ndf 1.543e+04 / 53
p0 71.34 ± 0.06982
160
140
120
100
80
60
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6209. 6
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

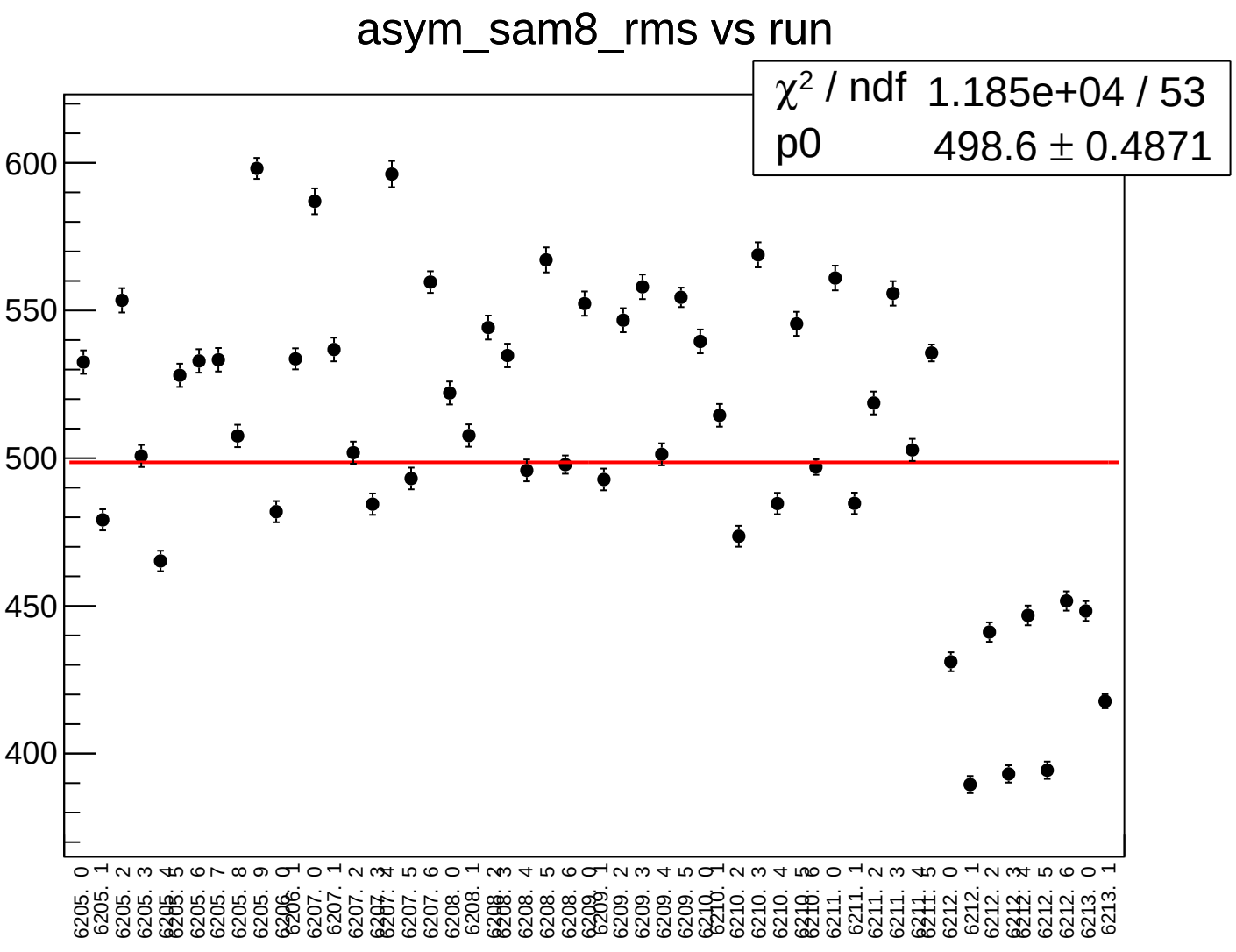

asym_sam8_eigen_dit_correction_mean vs run
χ² / ndf 45.08 / 53
p0 462.6 ± 715.9
pull
Entries 54
Mean 14.56
Std Dev 0

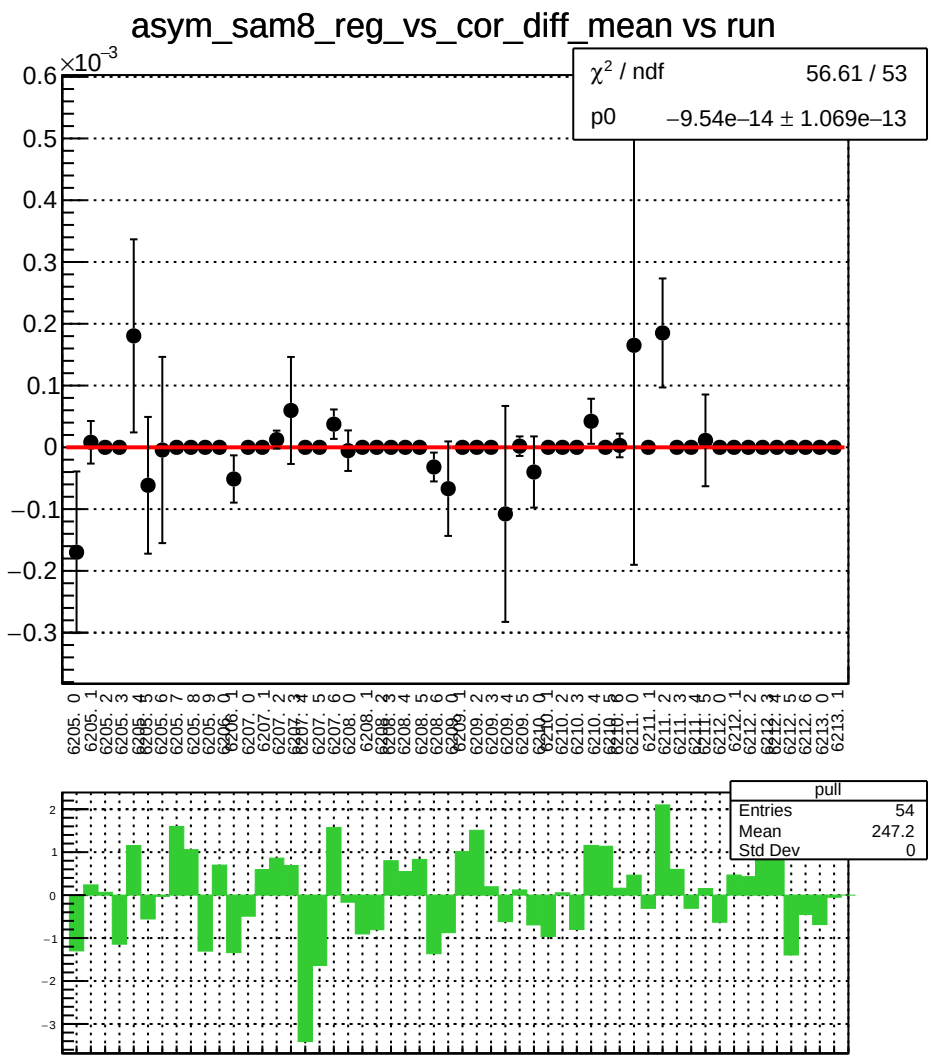

pull1D
Entries 54
Mean 0.03344
Std Dev 0.9131

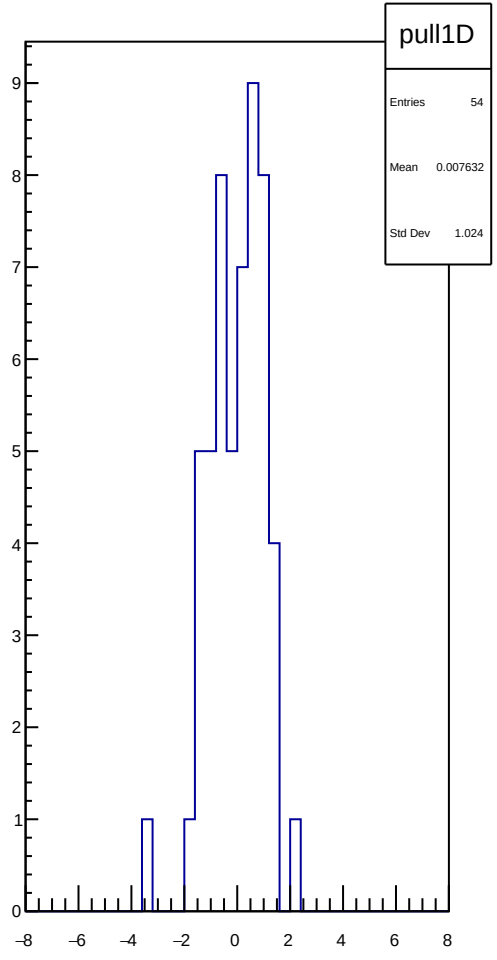

asym_sam8_eigen_dit_correction_rms vs run
χ² / ndf 1.127e+04 / 53
p0 518.3 ± 0.5062
600
550
500
450
400
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

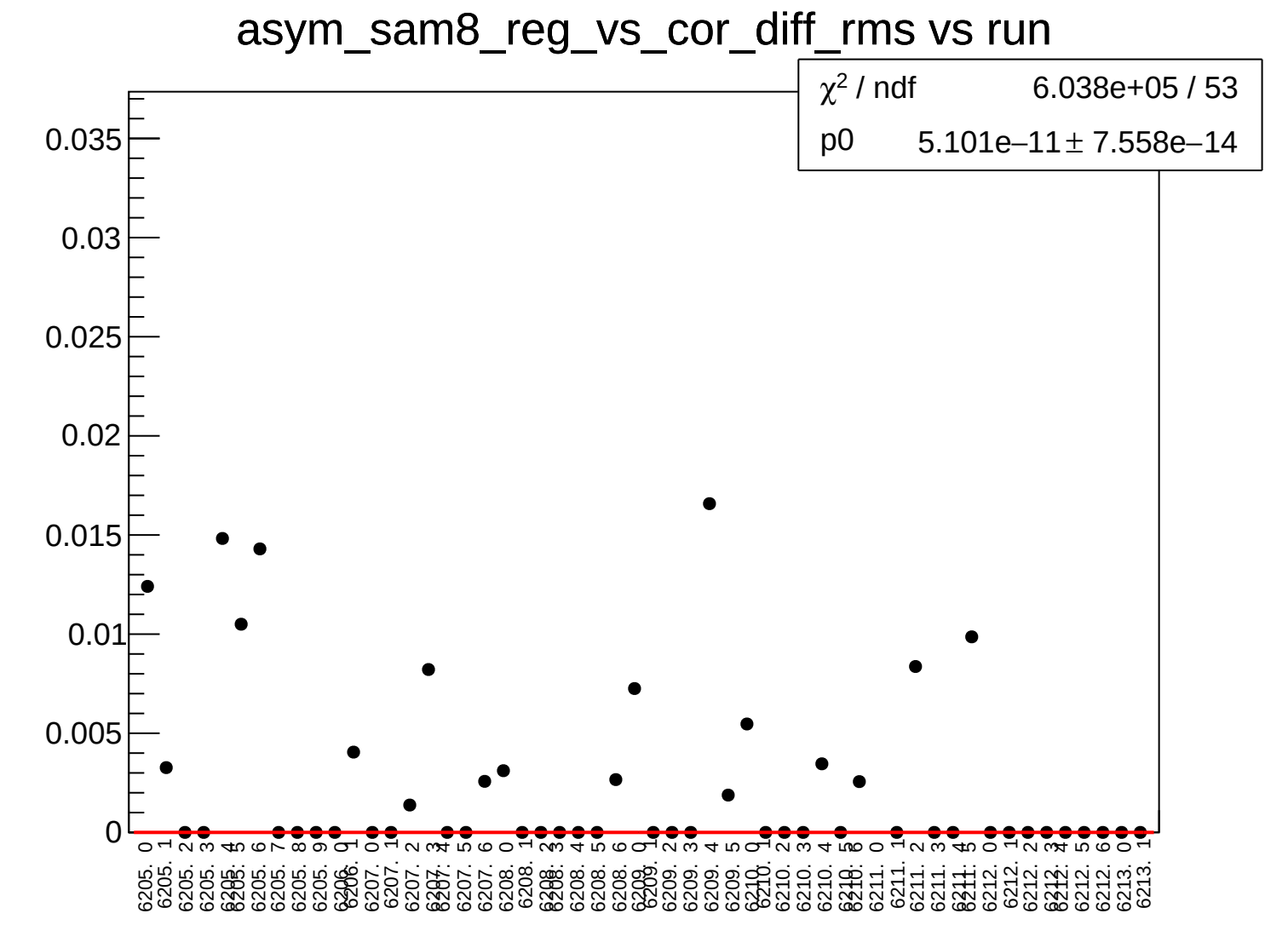

asym_sam8_mean vs run
χ² / ndf 42.77 / 53
p0 −881.9 ± 688.9
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 54
Mean 8.621
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

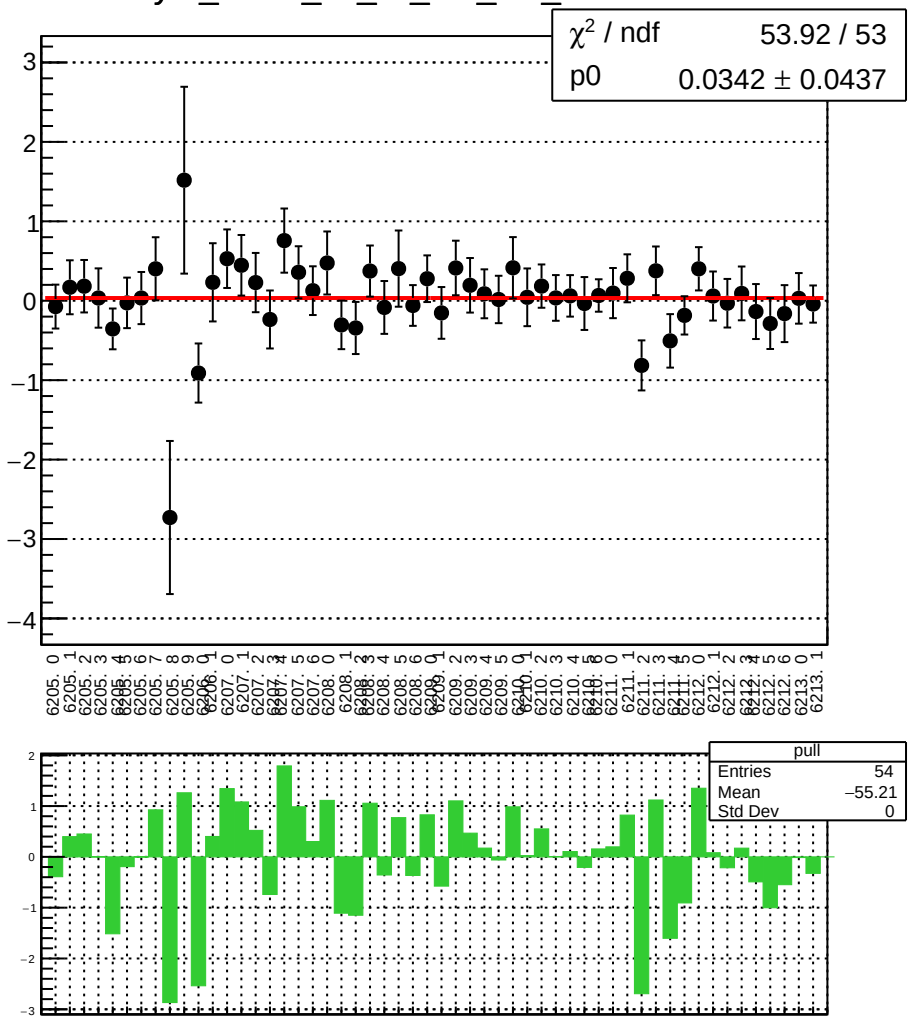

pull1D
Entries 54
Mean −0.03095
Std Dev 0.8895
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

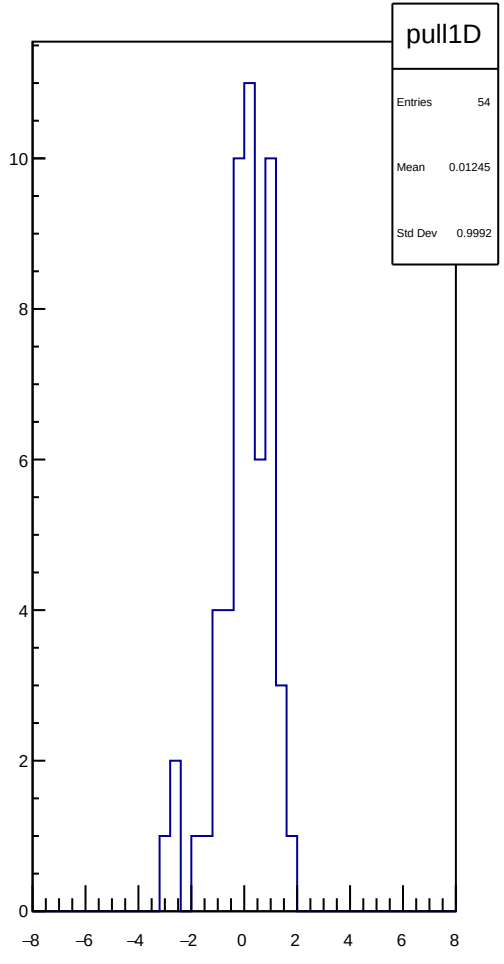

asym_sam8_rms vs run
χ² / ndf 1.185e+04 / 53
p0 498.6 ± 0.4871
600
550
500
450
400
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

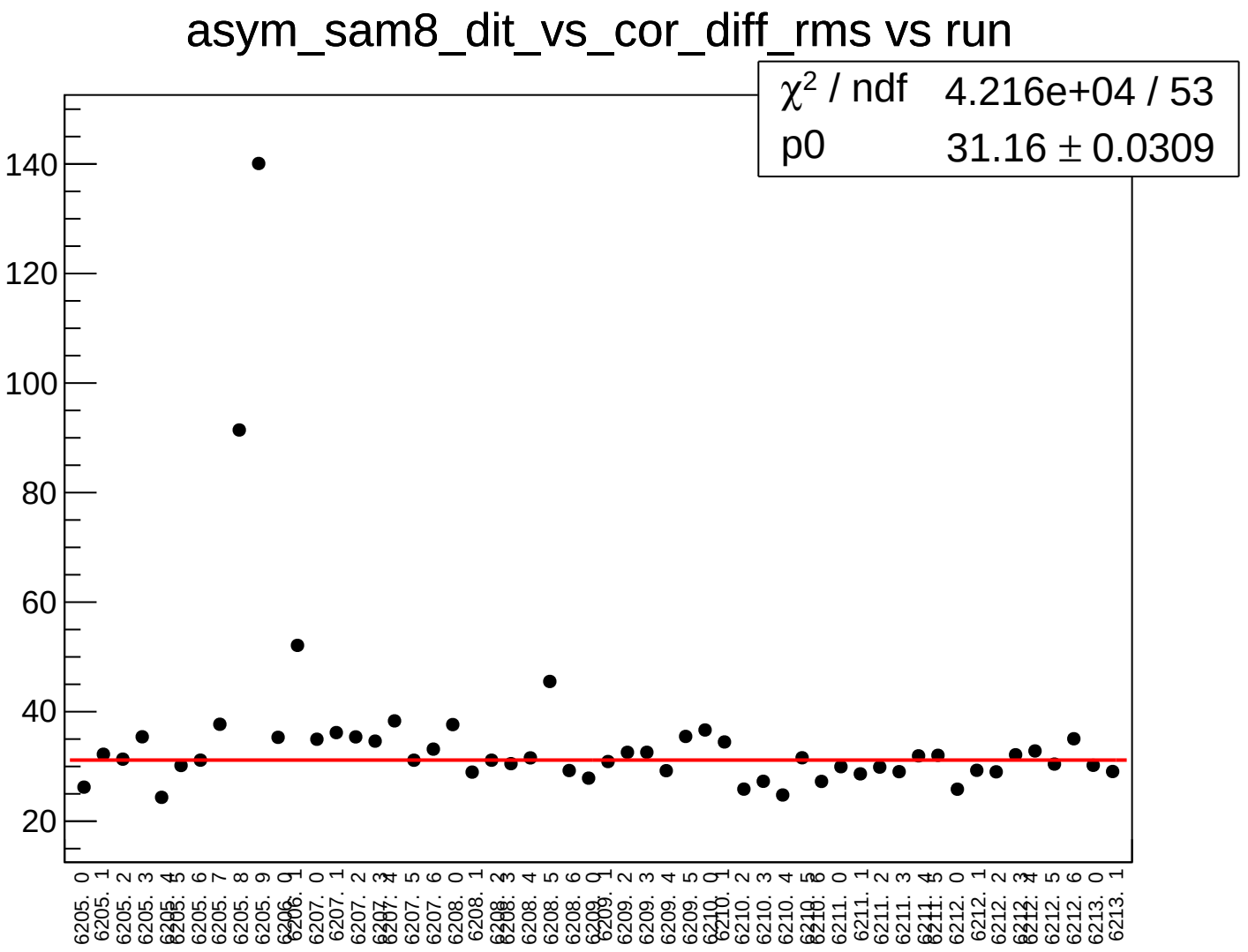

asym_sam8_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 56.61 / 53
p0 −9.54e−14 ± 1.069e−13
pull
Entries 54
Mean 247.2
Std Dev 0

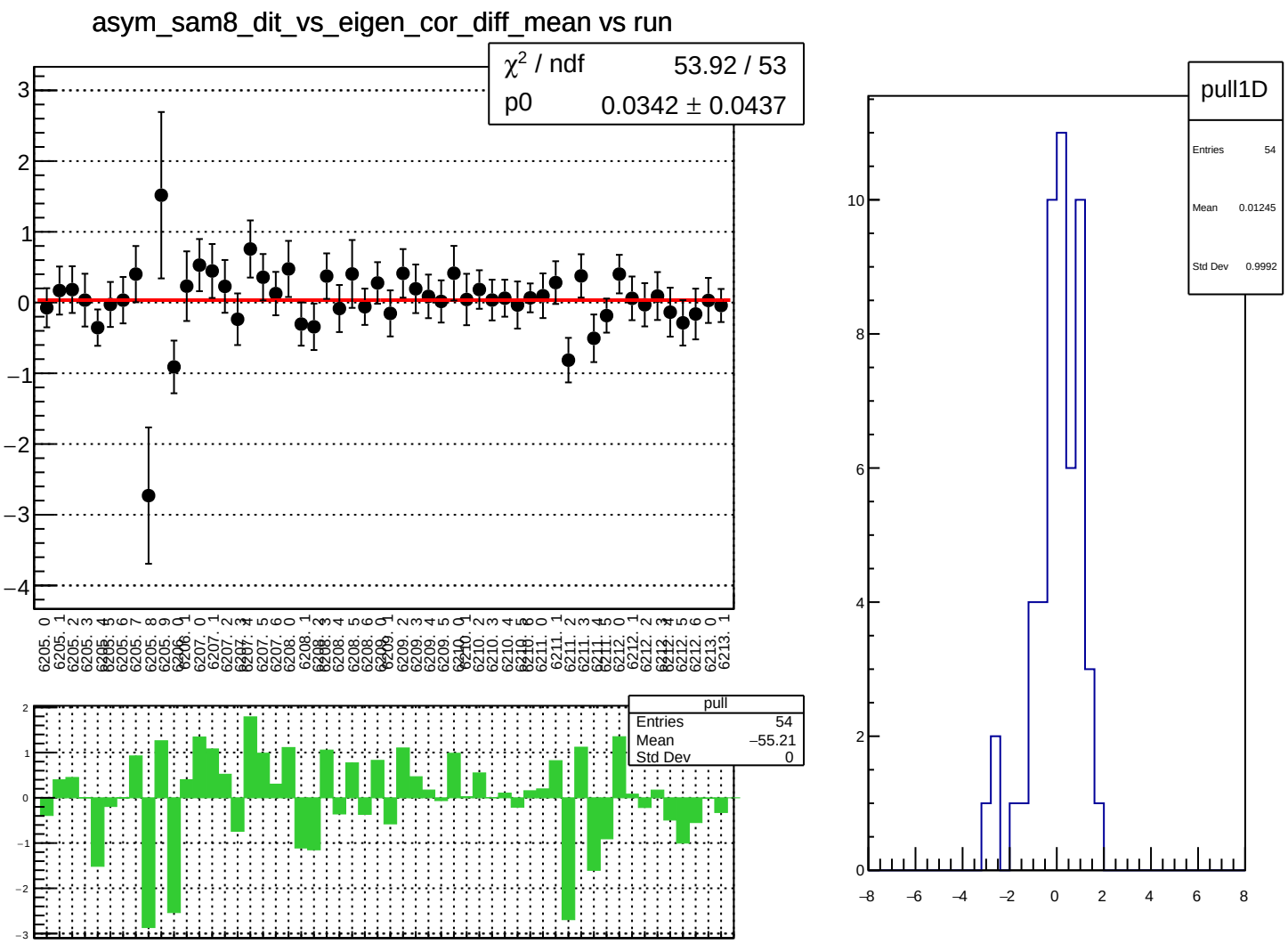

pull1D
Entries 54
Mean 0.007632
Std Dev 1.024

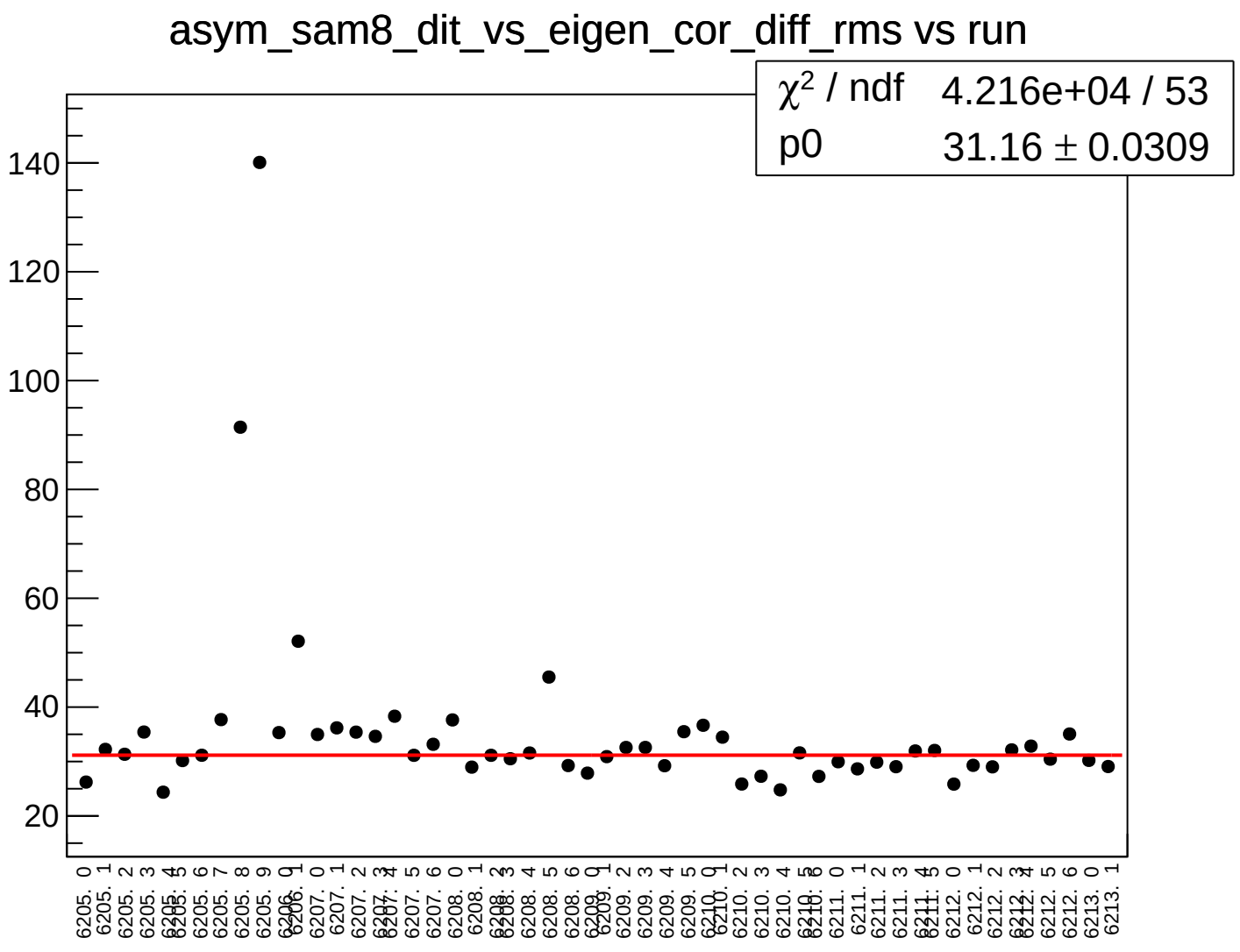

asym_sam8_reg_vs_cor_diff_rms vs run
χ² / ndf 6.038e+05 / 53
p0 5.101e−11 ± 7.558e−14
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0

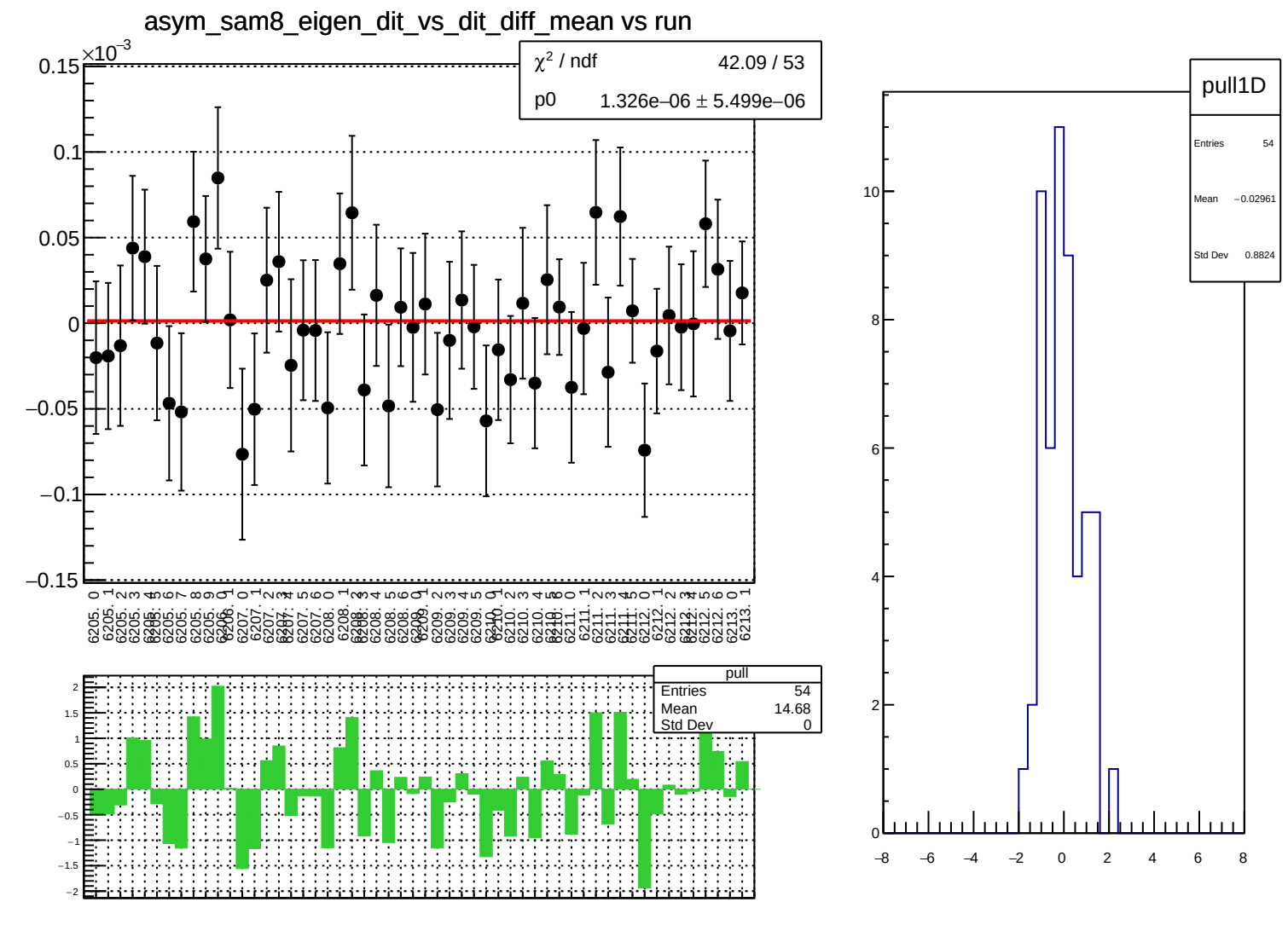

asym_sam8_dit_vs_cor_diff_mean vs run
χ² / ndf 53.92 / 53
p0 0.0342 ± 0.0437
pull
Entries 54
Mean −55.21
Std Dev 0

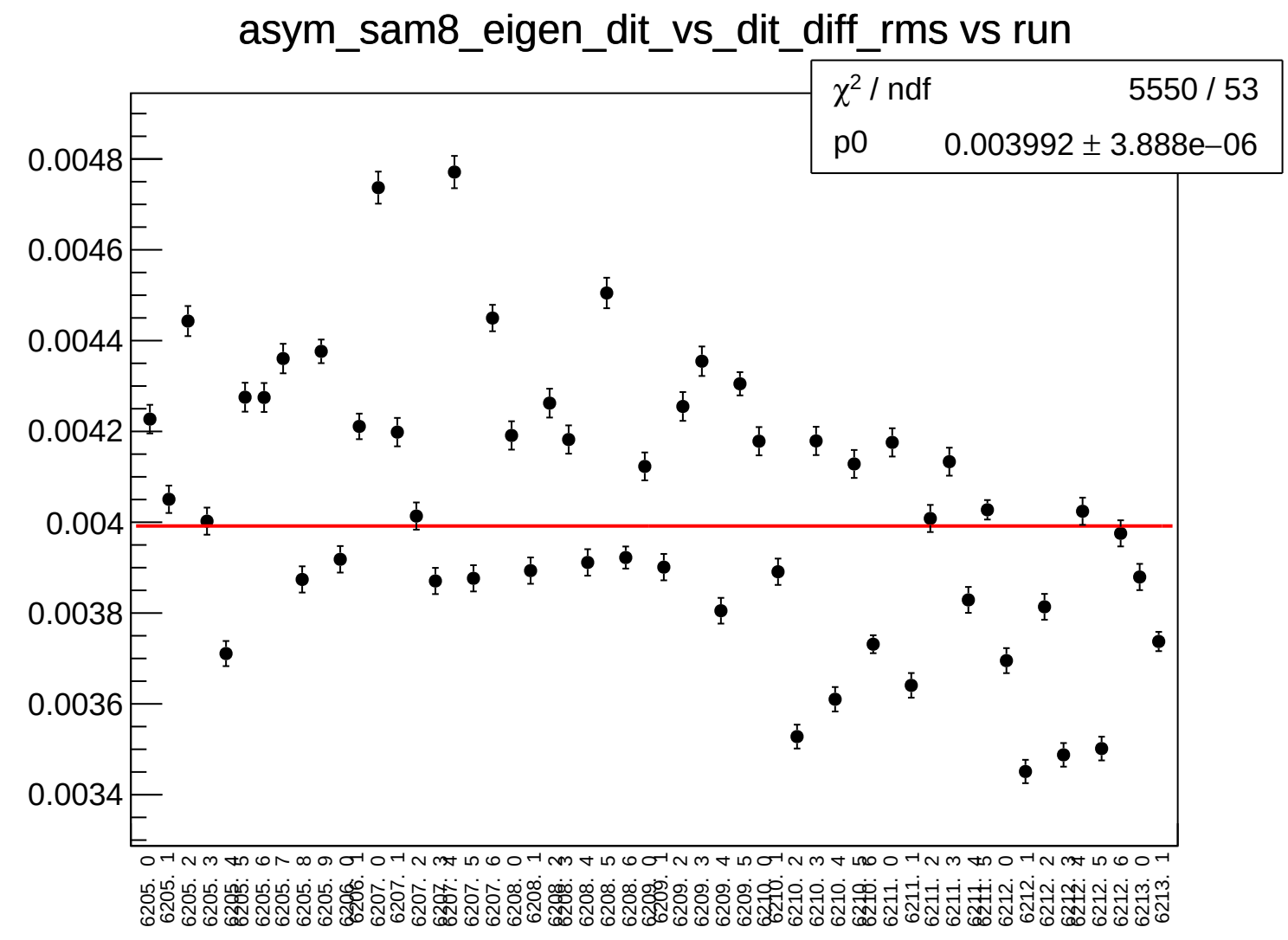

pull1D
Entries 54
Mean 0.01245
Std Dev 0.9992

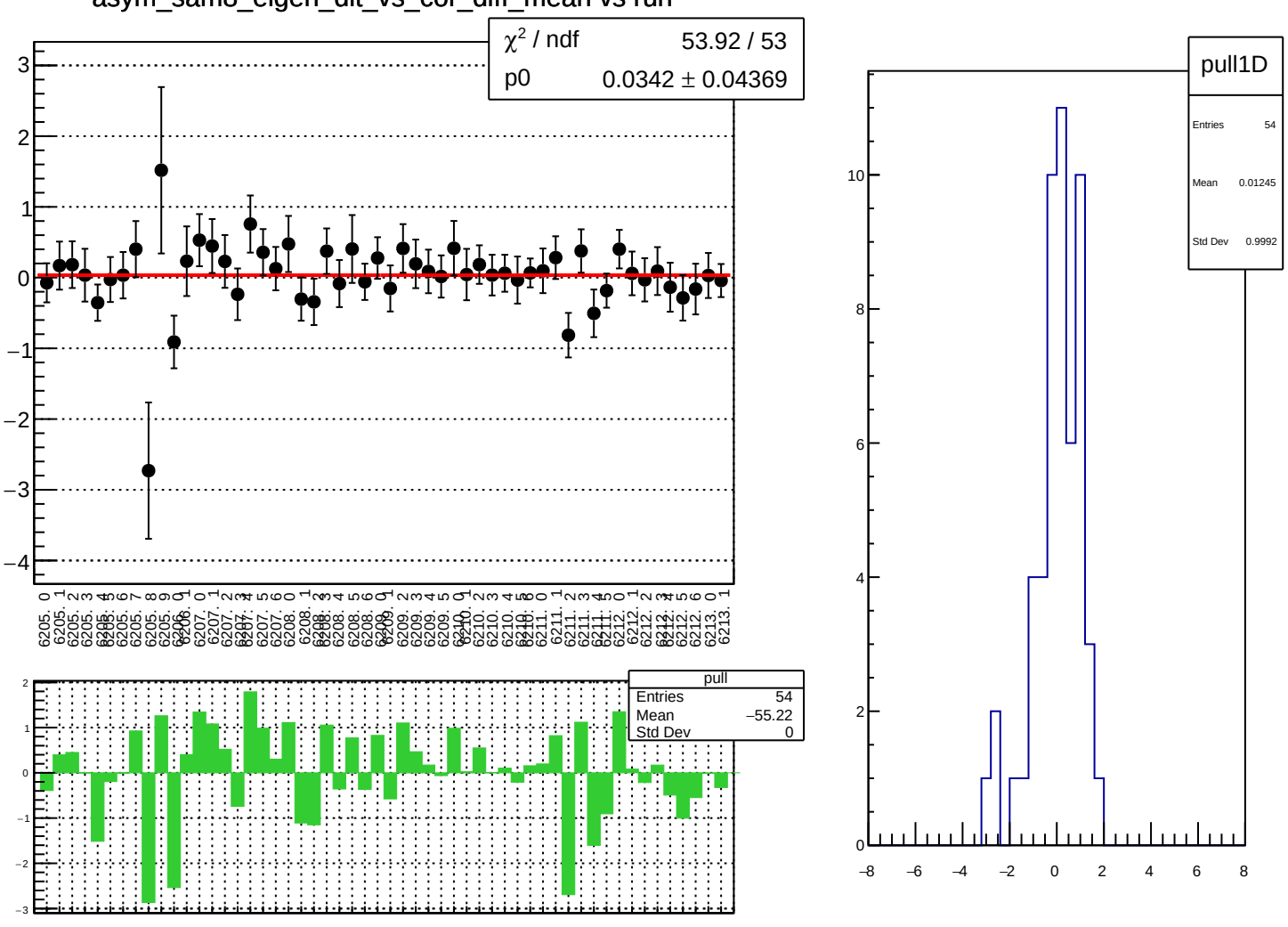

asym_sam8_dit_vs_cor_diff_rms vs run
χ² / ndf 4.216e+04 / 53
p0 31.16 ± 0.0309
140
120
100
80
60
40
20
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6208. 7
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6209. 6
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

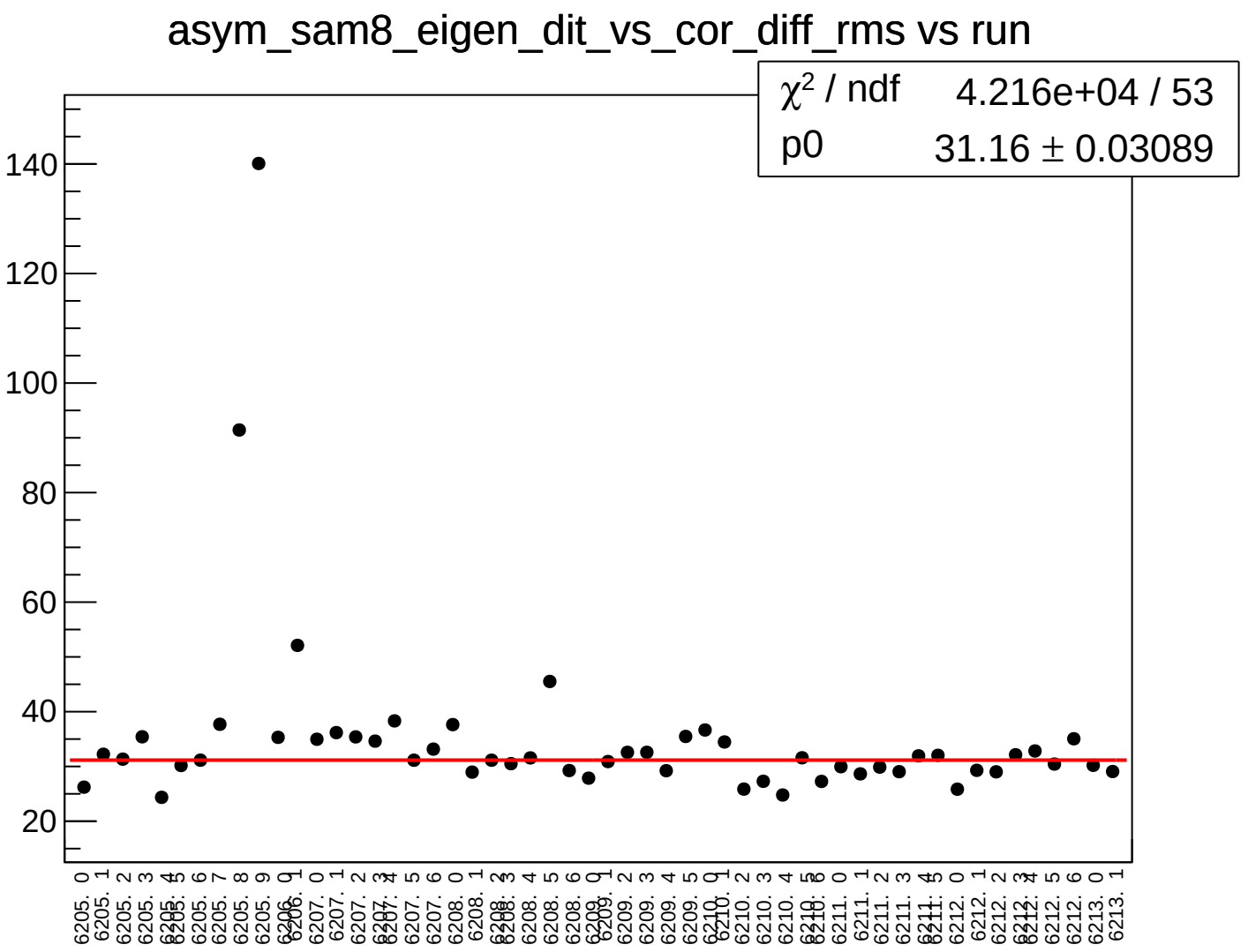

asym_sam8_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 53.92 / 53
p0 0.0342 ± 0.0437
pull
Entries 54
Mean −55.21
Std Dev 0
pull1D
Entries 54
Mean 0.01245
Std Dev 0.9992

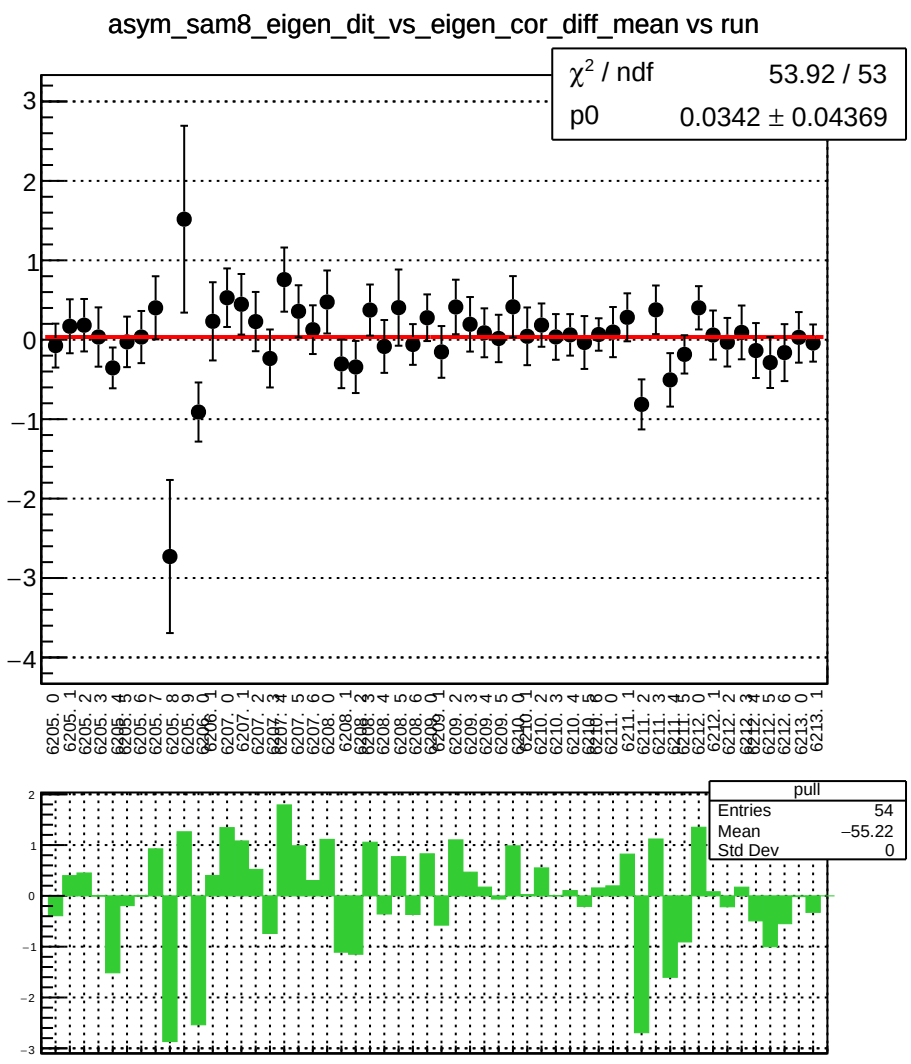

asym_sam8_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.216e+04 / 53
p0 31.16 ± 0.0309
140
120
100
80
60
40
20
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6208. 7
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6209. 6
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

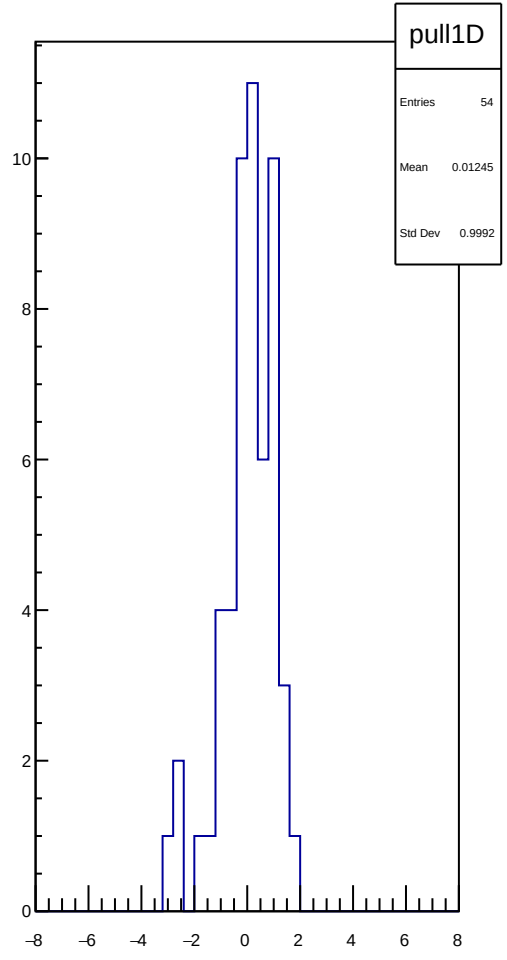

asym_sam8_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 42.09 / 53
p0 1.326e−06 ± 5.499e−06
pull
Entries 54
Mean 14.68
Std Dev 0
pull1D
Entries 54
Mean −0.02961
Std Dev 0.8824

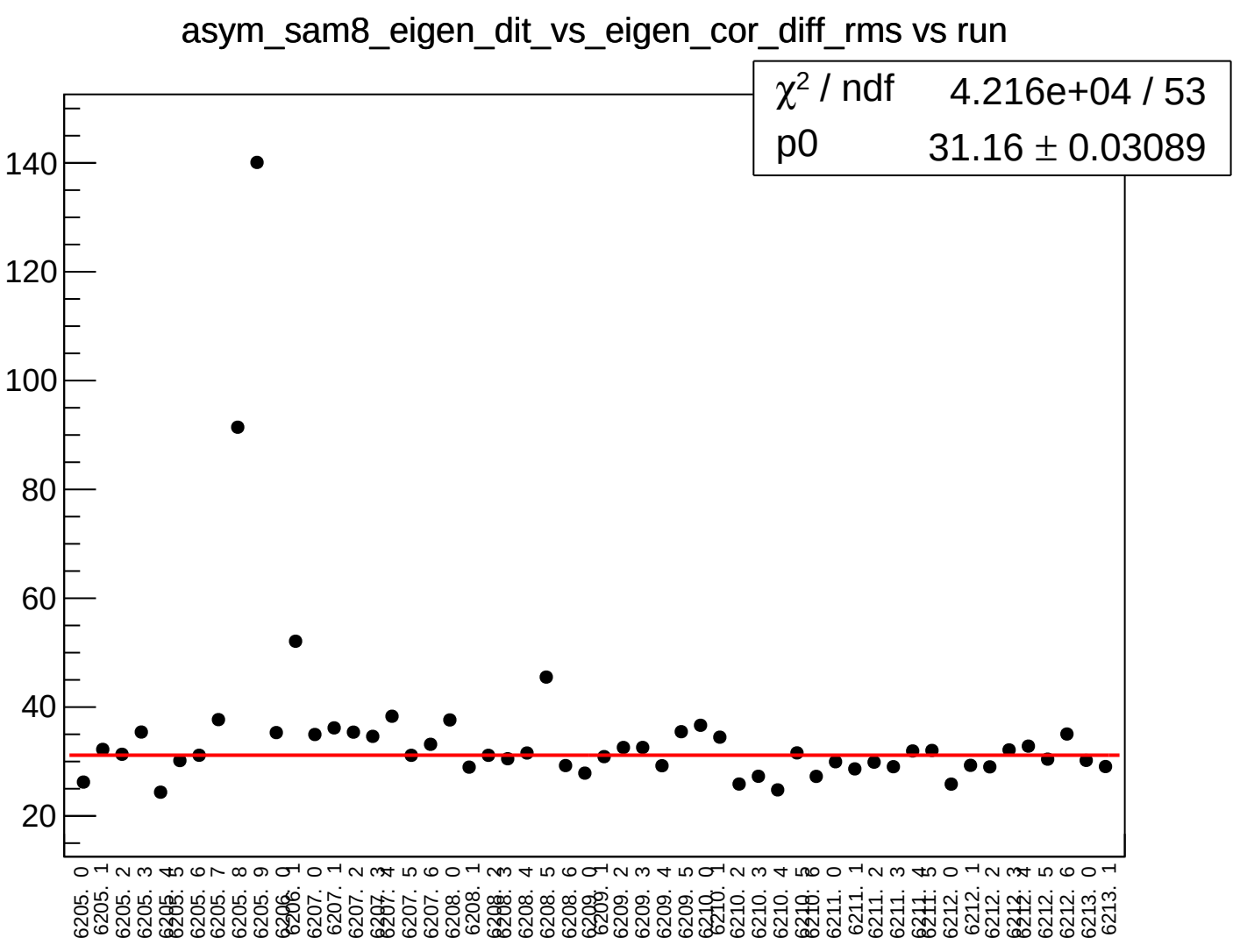

asym_sam8_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5550 / 53
p0 0.003992 ± 3.888e−06
0.0048
0.0046
0.0044
0.0042
0.004
0.0038
0.0036
0.0034
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

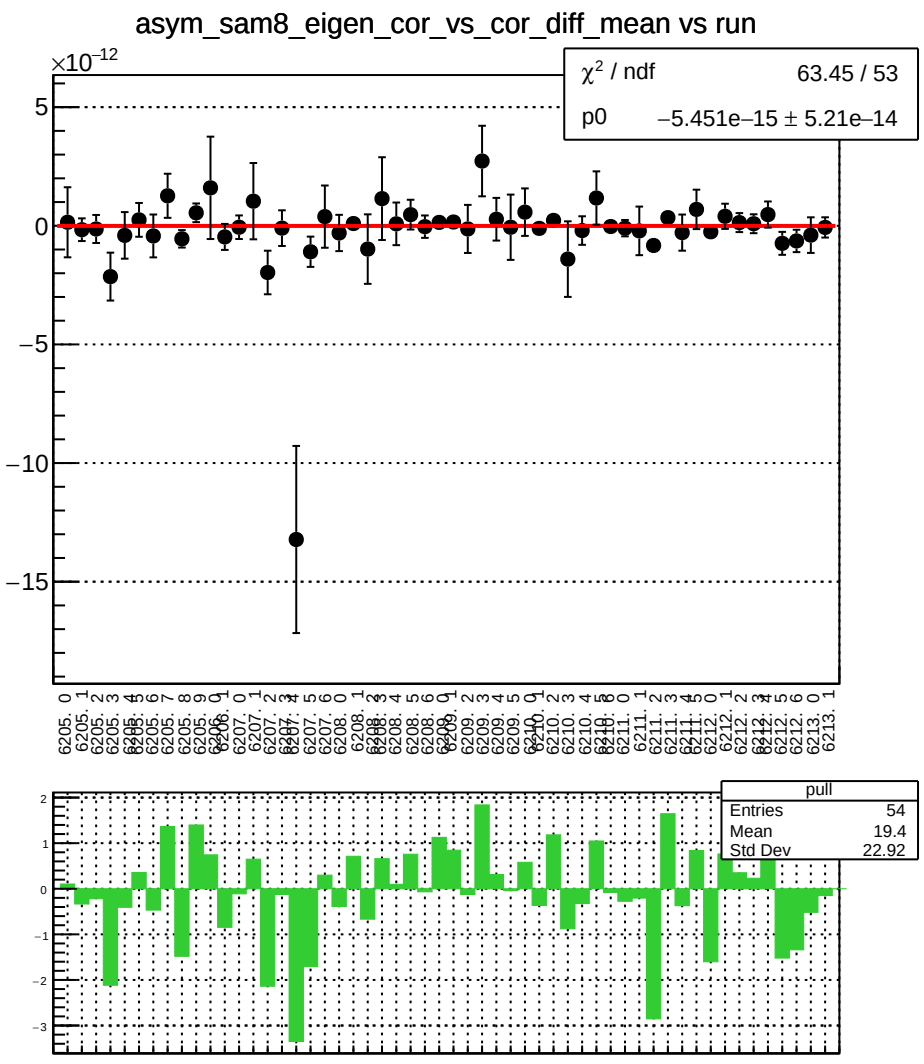

asym_sam8_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 53.92 / 53
p0 0.0342 ± 0.04369
pull
Entries 54
Mean −55.22
Std Dev 0
pull1D
Entries 54
Mean 0.01245
Std Dev 0.9992

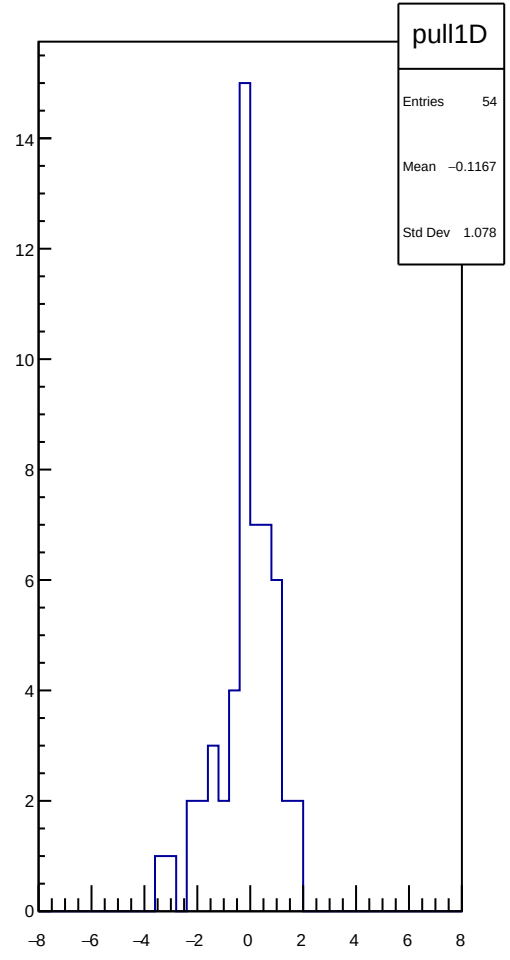

asym_sam8_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.216e+04 / 53
p0 31.16 ± 0.03089
140
120
100
80
60
40
20
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6208. 7
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6209. 6
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

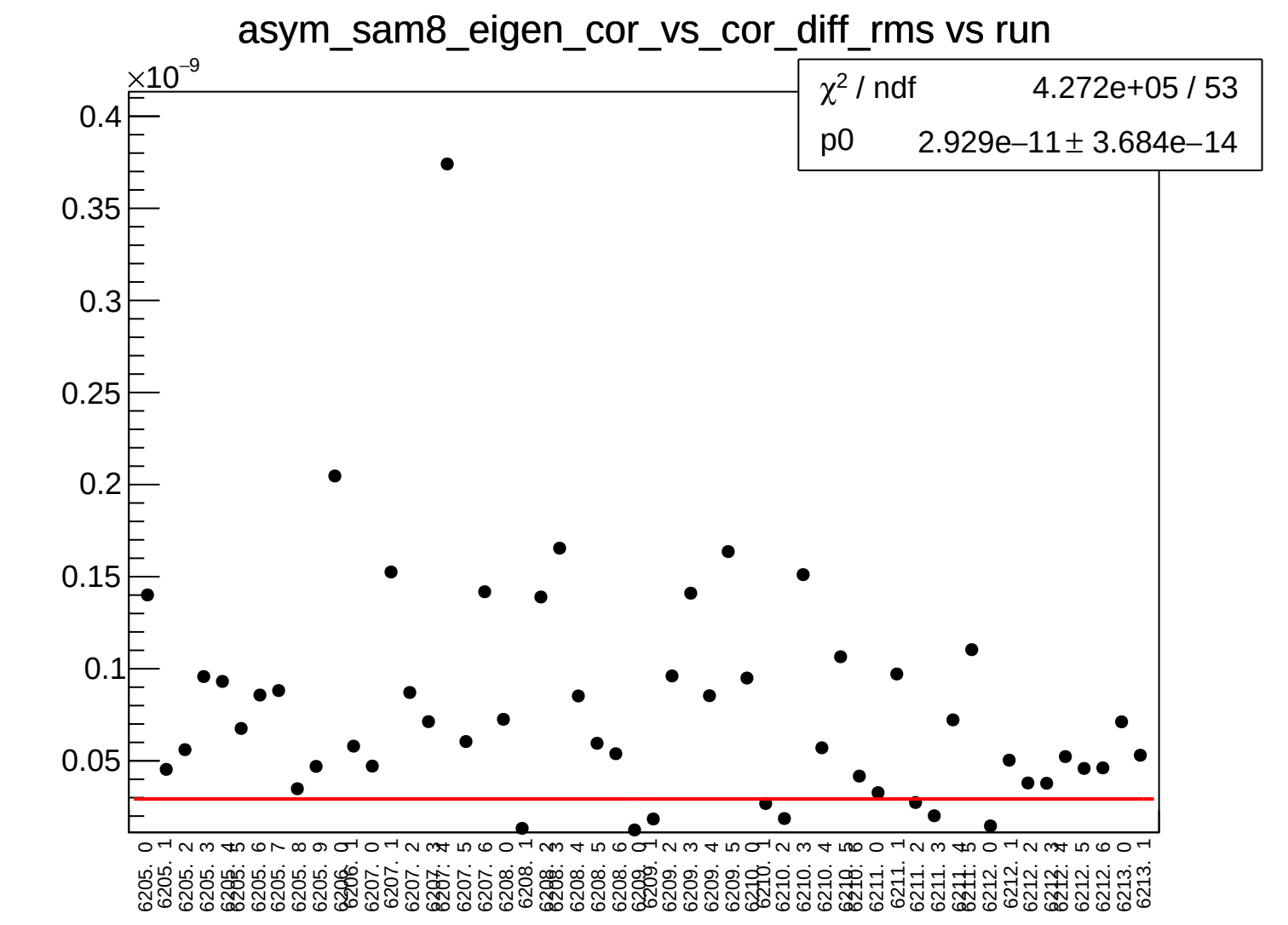

asym_sam8_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 53.92 / 53
p0 0.0342 ± 0.04369
pull
Entries 54
Mean −55.22
Std Dev 0

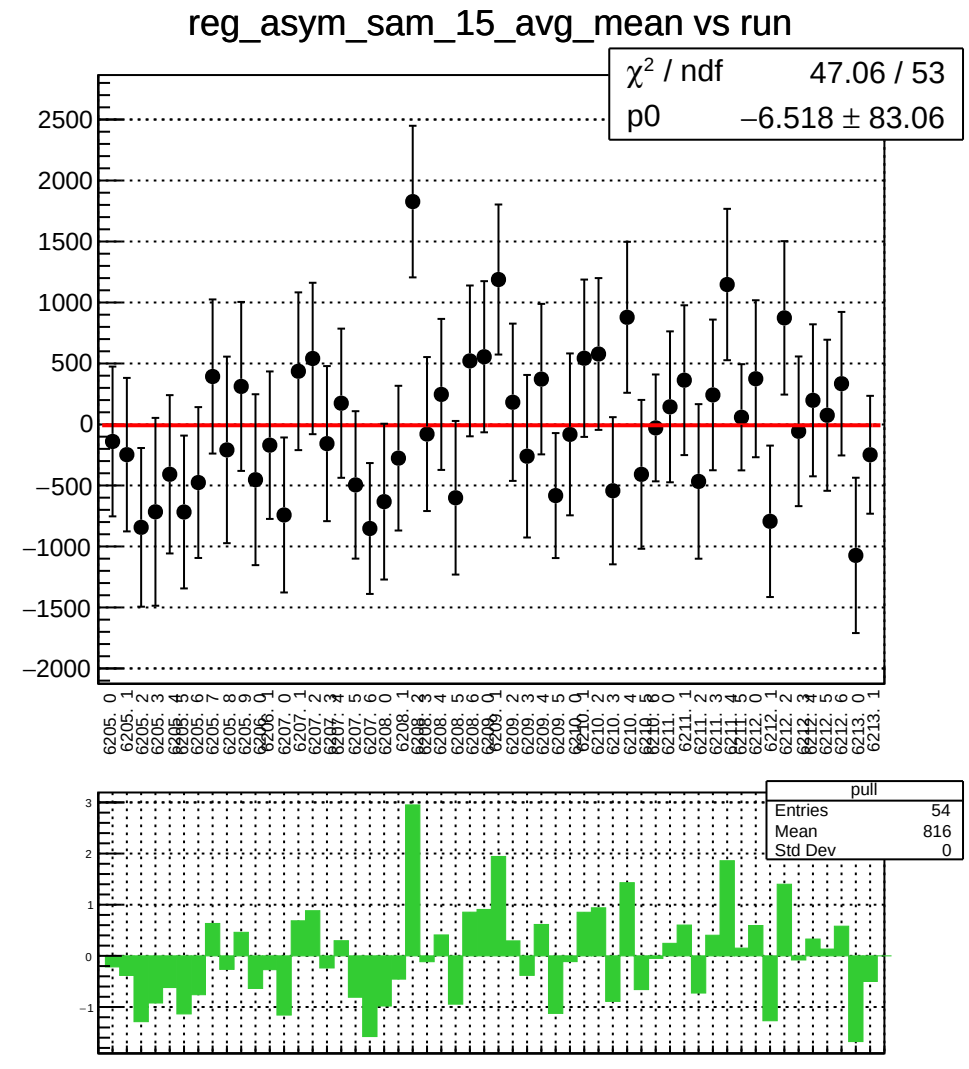

pull1D
Entries 54
Mean 0.01245
Std Dev 0.9992

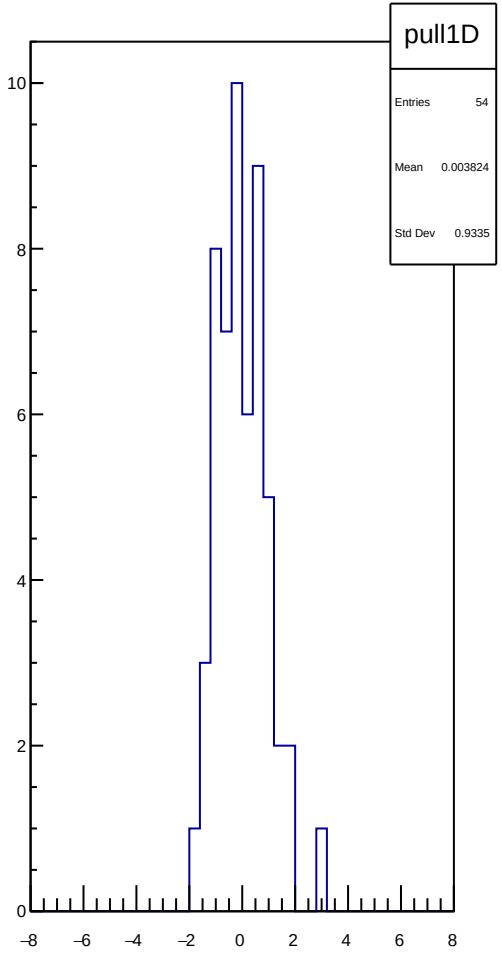

asym_sam8_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.216e+04 / 53
p0 31.16 ± 0.03089
140
120
100
80
60
40
20
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

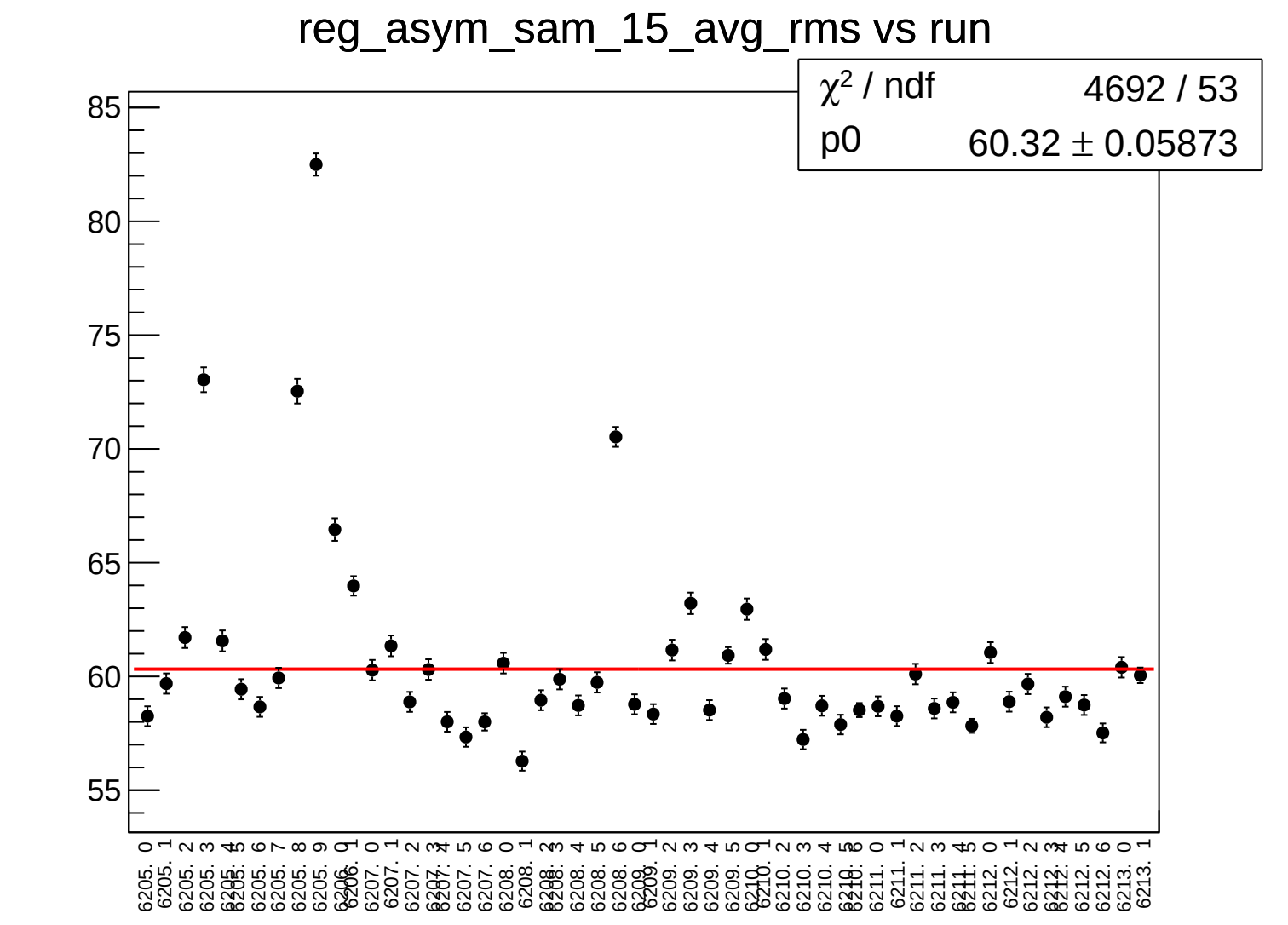

asym_sam8_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 63.45 / 53
p0 −5.451e−15 ± 5.21e−14
pull
Entries 54
Mean 19.4
Std Dev 22.92

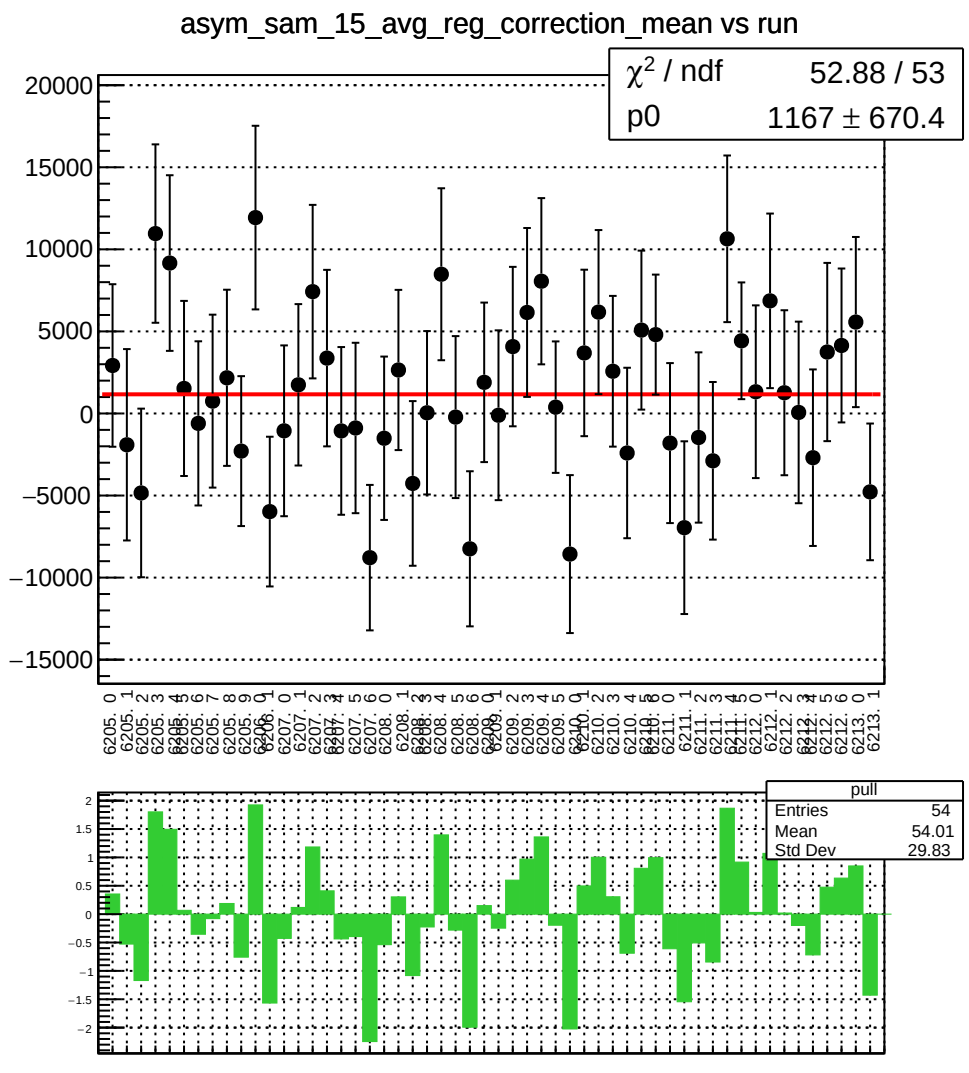

pull1D
Entries 54
Mean −0.1167
Std Dev 1.078

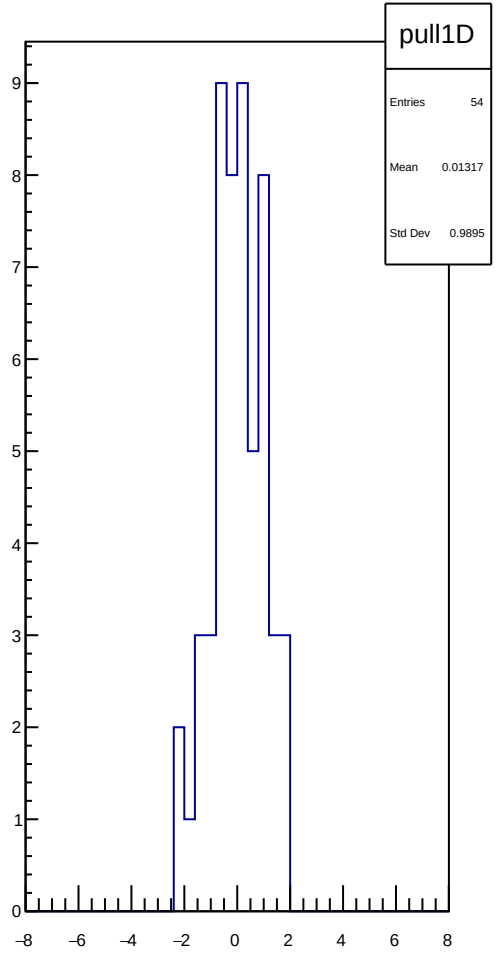

asym_sam8_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.272e+05 / 53
p0 2.929e−11 ± 3.684e−14
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

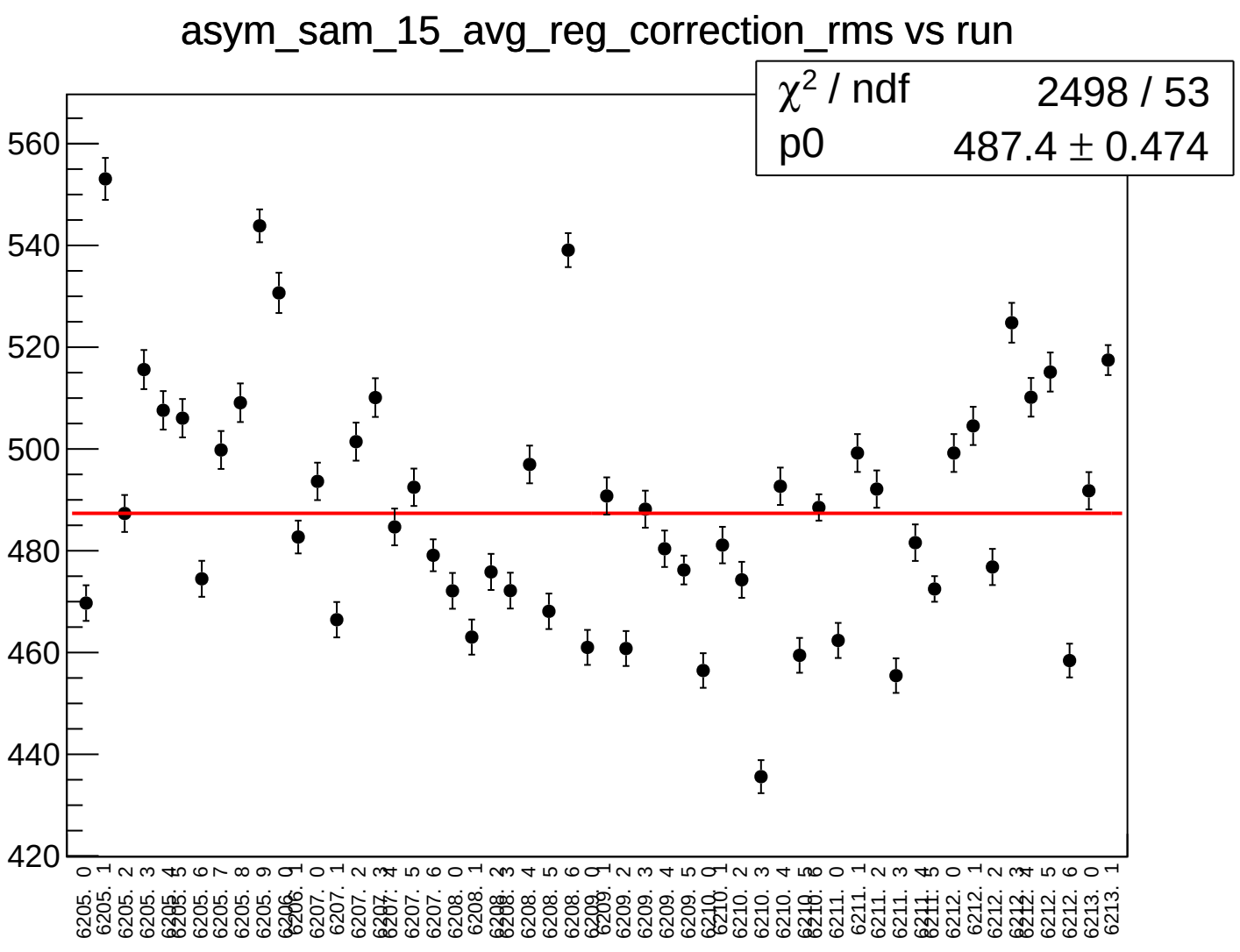

reg_asym_sam_15_avg_mean vs run
χ² / ndf 47.06 / 53
p0 −6.518 ± 83.06
pull
Entries 54
Mean 816
Std Dev 0

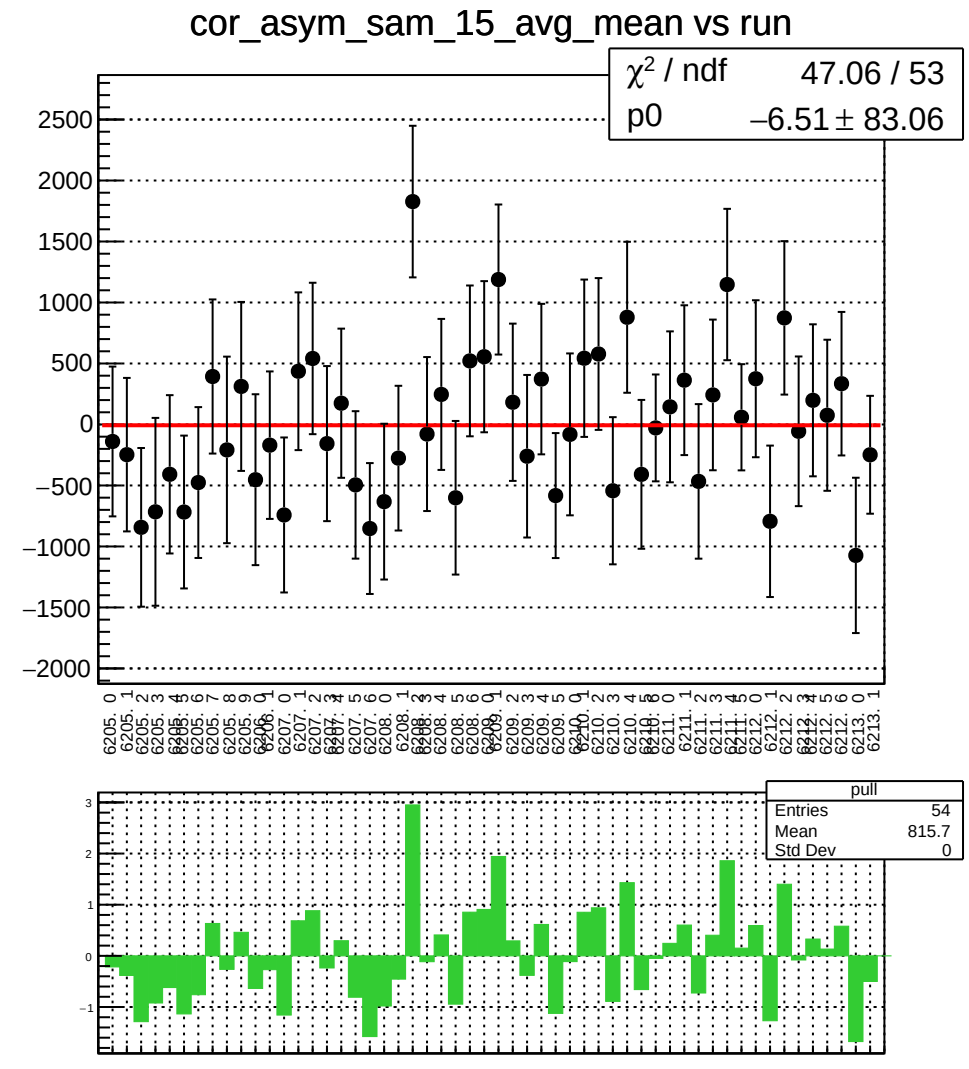

pull1D
Entries 54
Mean 0.003824
Std Dev 0.9335

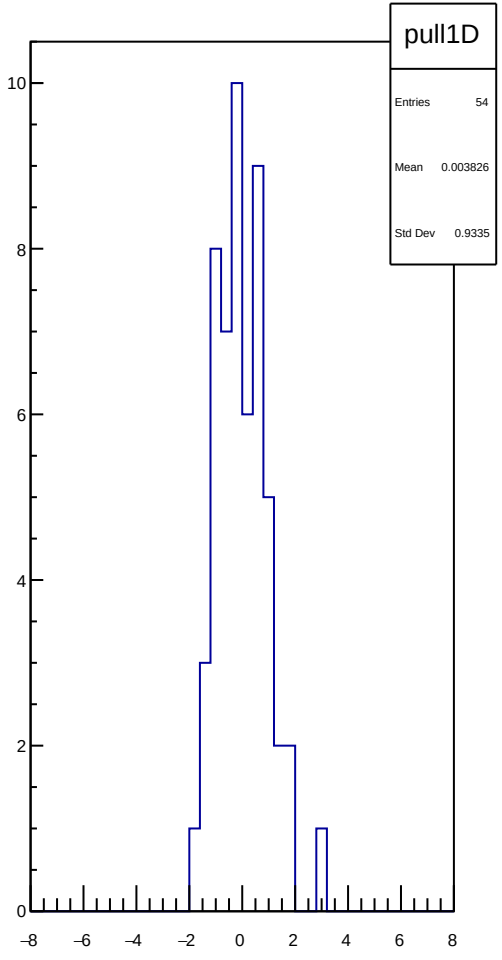

reg_asym_sam_15_avg_rms vs run
χ² / ndf 4692 / 53
p0 60.32 ± 0.05873
85
80
75
70
65
60
55
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

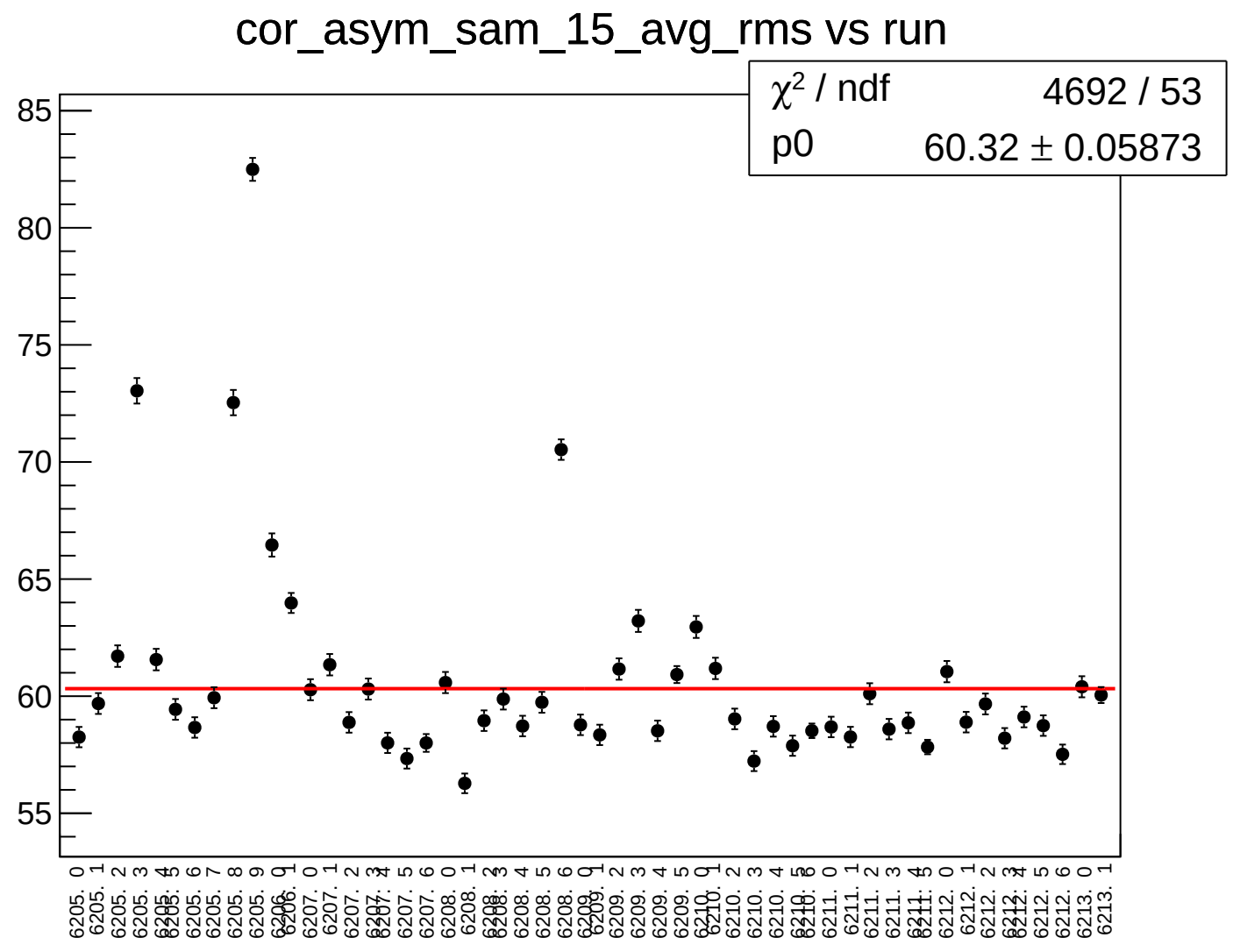

asym_sam_15_avg_reg_correction_mean vs run
χ² / ndf 52.88 / 53
p0 1167 ± 670.4
pull
Entries 54
Mean 54.01
Std Dev 29.83

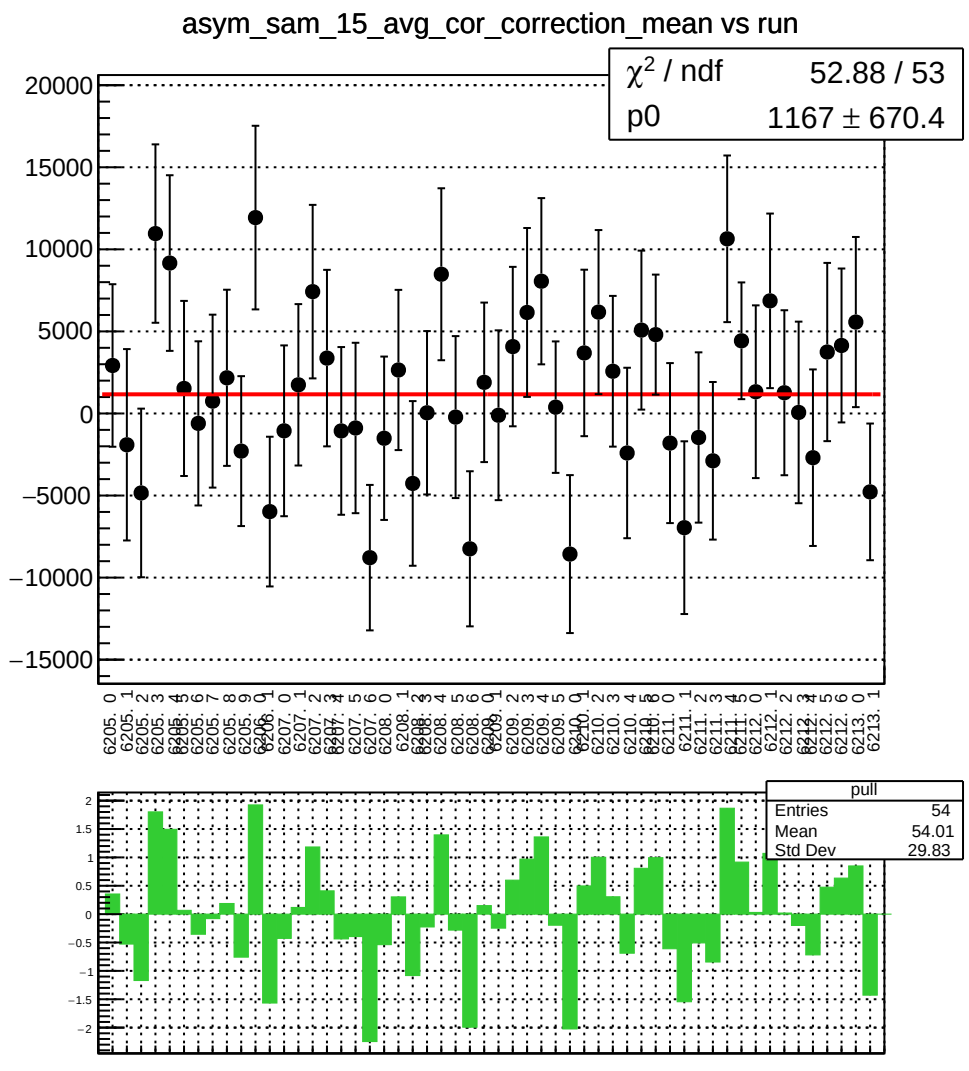

pull1D
Entries 54
Mean 0.01317
Std Dev 0.9895

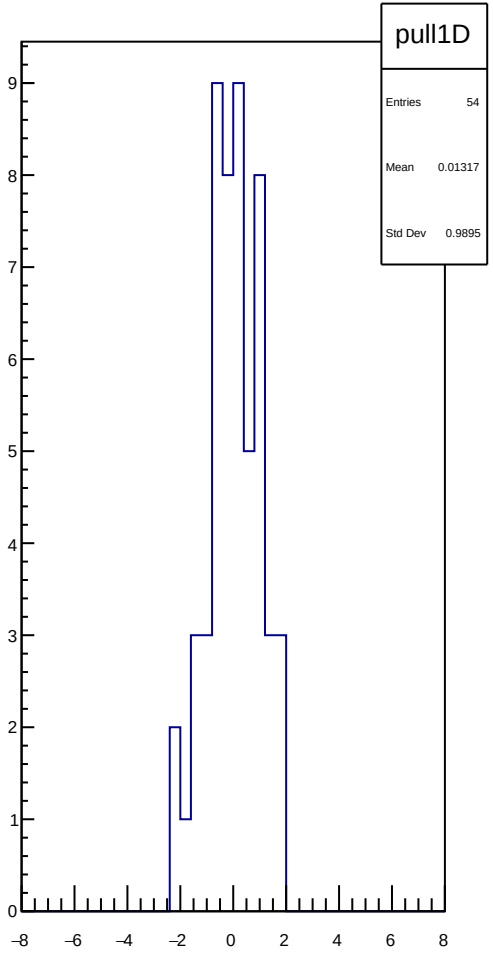

asym_sam_15_avg_reg_correction_rms vs run
χ² / ndf 2498 / 53
p0 487.4 ± 0.474
560
540
520
500
480
460
440
420
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

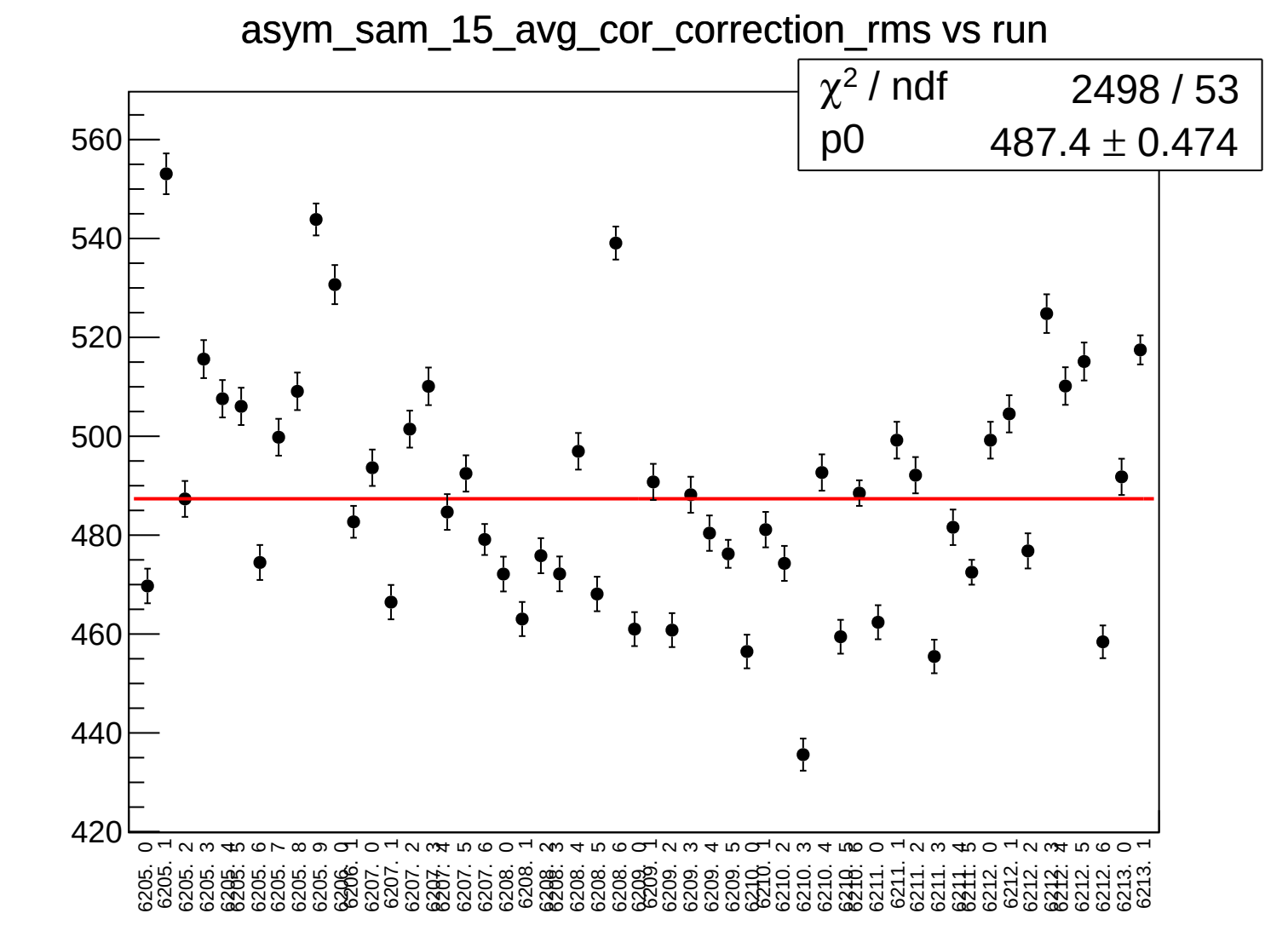

cor_asym_sam_15_avg_mean vs run
χ² / ndf 47.06 / 53
p0 −6.51 ± 83.06
pull
Entries 54
Mean 815.7
Std Dev 0


pull1D
Entries 54
Mean 0.003826
Std Dev 0.9335


cor_asym_sam_15_avg_rms vs run
χ² / ndf 4692 / 53
p0 60.32 ± 0.05873
85
80
75
70
65
60
55
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_sam_15_avg_cor_correction_mean vs run
χ² / ndf 52.88 / 53
p0 1167 ± 670.4
pull
Entries 54
Mean 54.01
Std Dev 29.83


pull1D
Entries 54
Mean 0.01317
Std Dev 0.9895


asym_sam_15_avg_cor_correction_rms vs run
χ² / ndf 2498 / 53
p0 487.4 ± 0.474
560
540
520
500
480
460
440
420
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
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6207. 6
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6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
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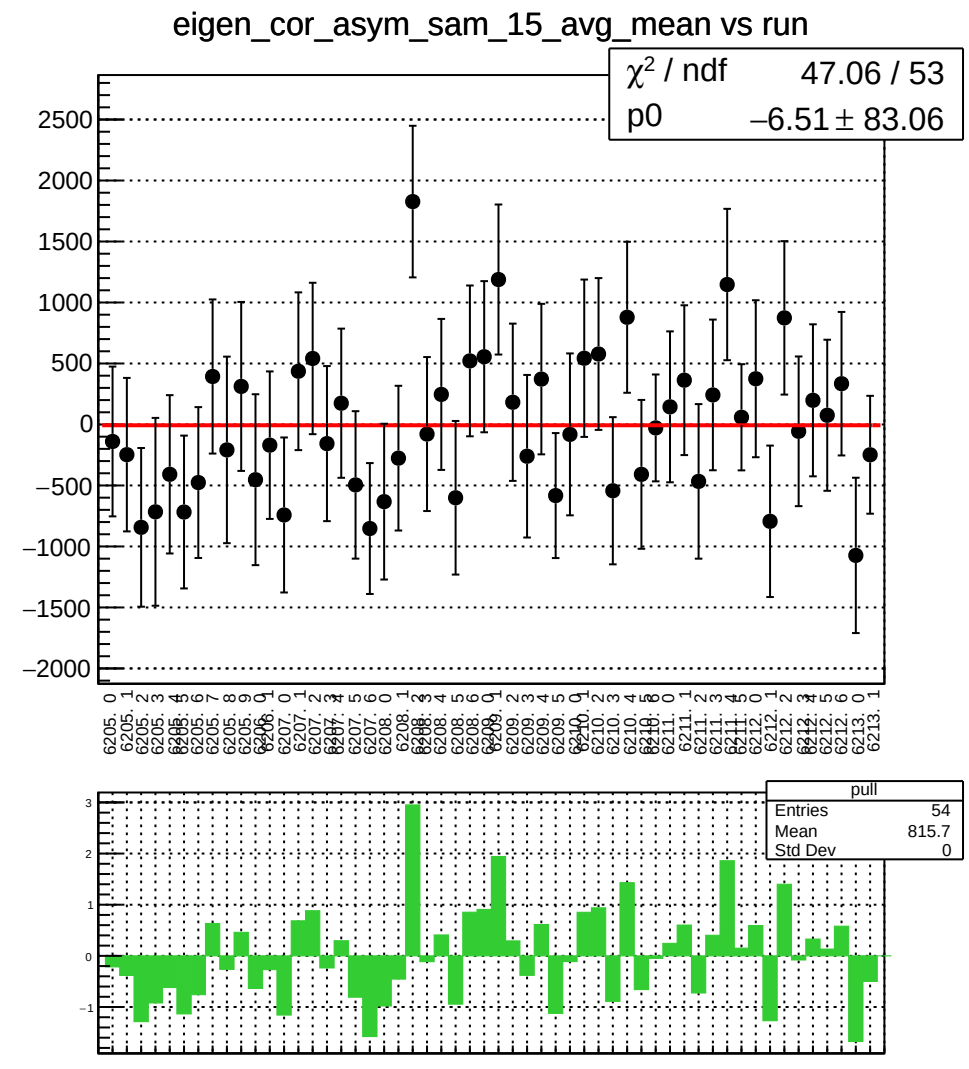
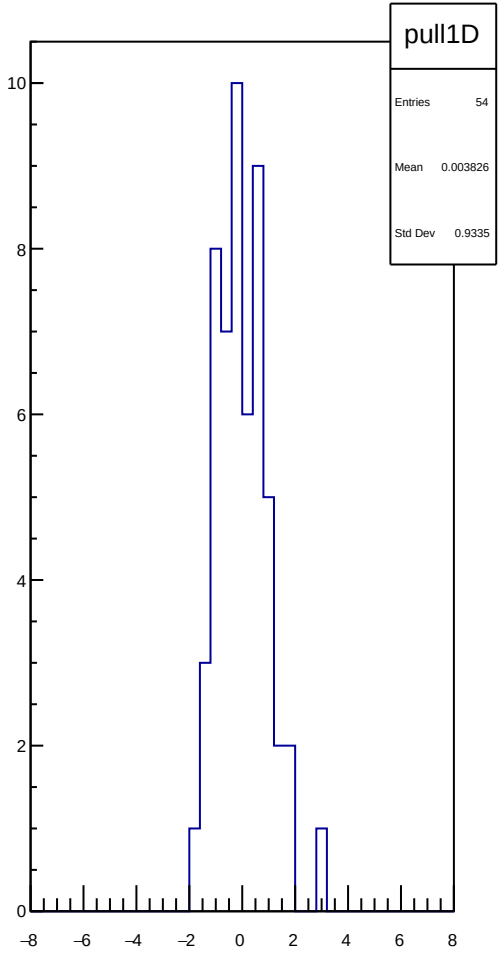
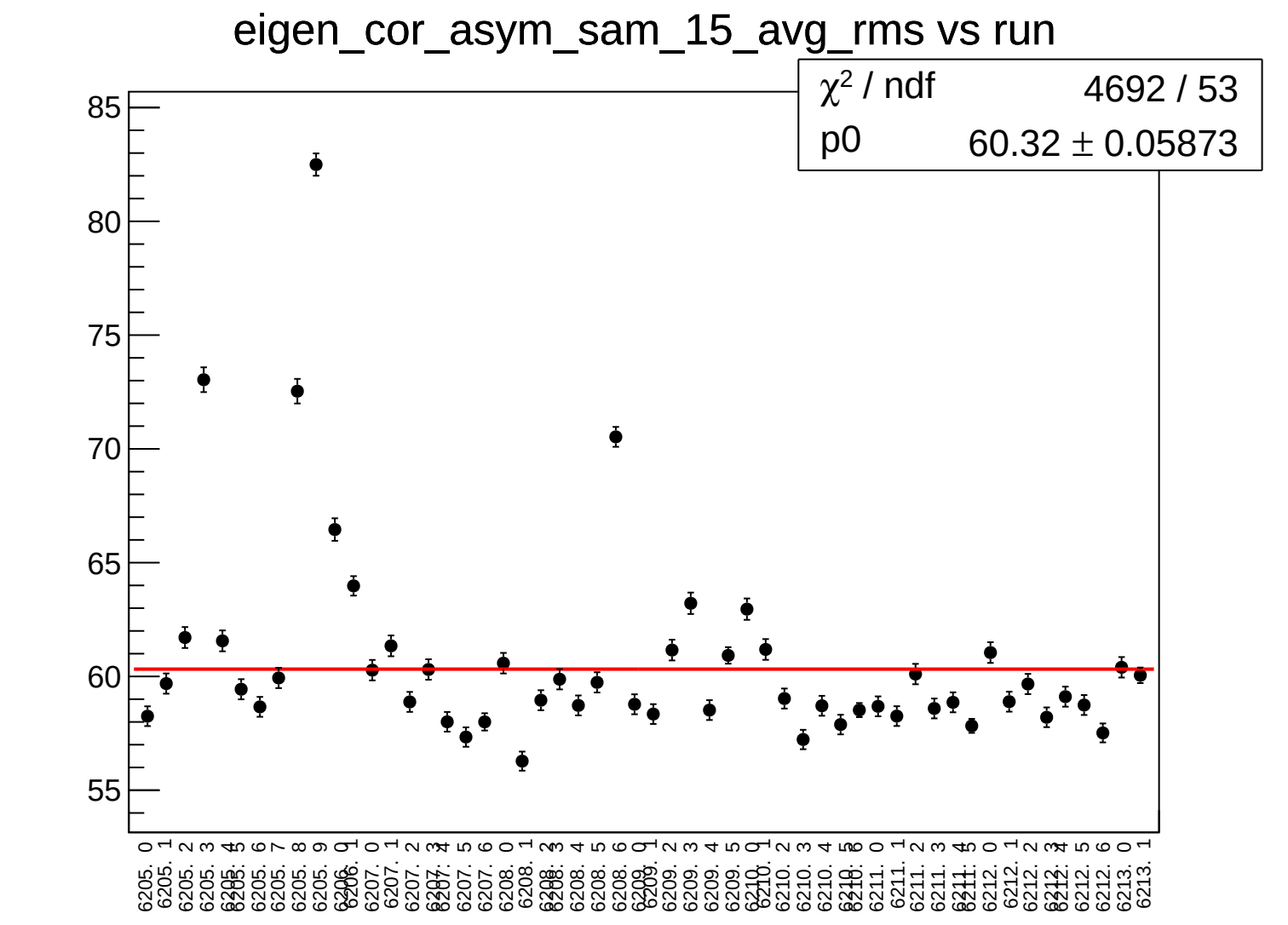
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


eigen_cor_asym_sam_15_avg_mean vs run
χ² / ndf 47.06 / 53
p0 −6.51 ± 83.06
pull
Entries 54
Mean 815.7
Std Dev 0


pull1D
Entries 54
Mean 0.003826
Std Dev 0.9335


eigen_cor_asym_sam_15_avg_rms vs run
χ² / ndf 4692 / 53
p0 60.32 ± 0.05873
85
80
75
70
65
60
55
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
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6211. 0
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6211. 2
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6211. 4
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6212. 2
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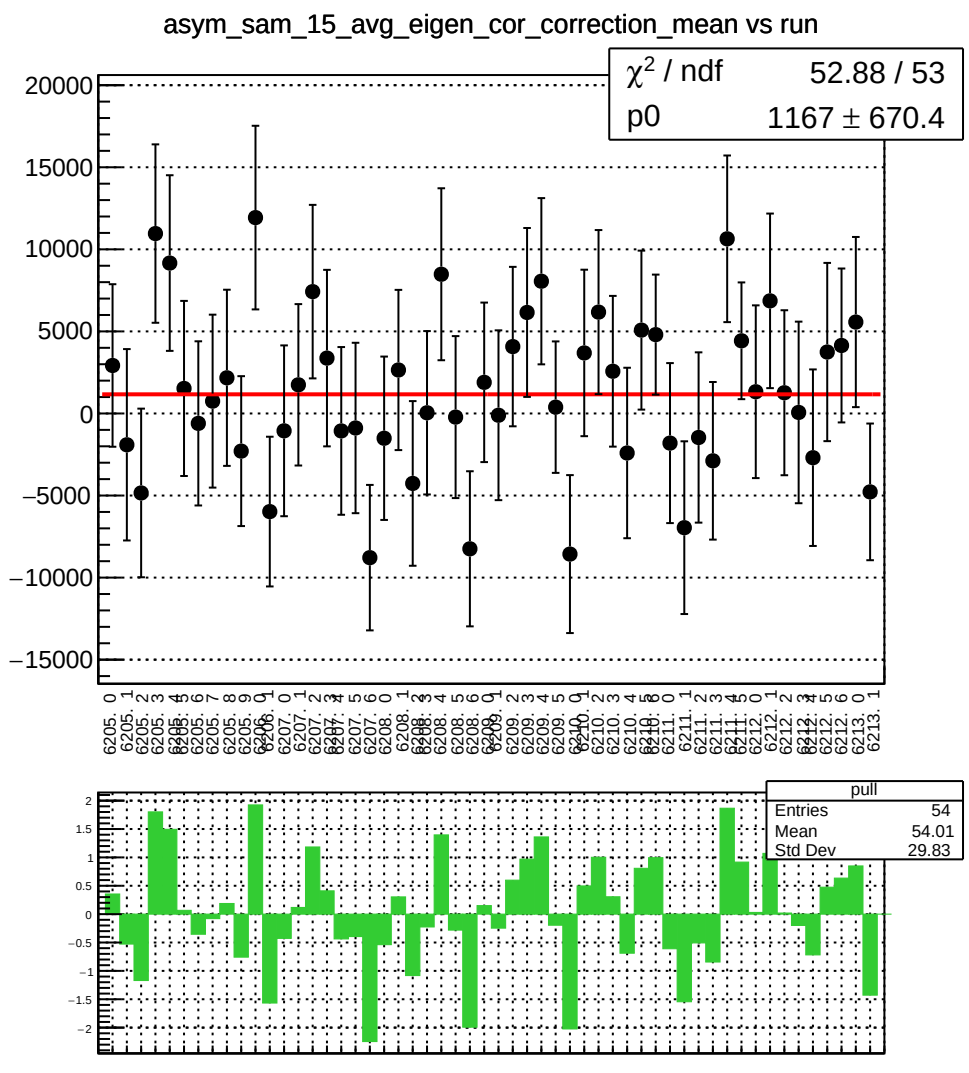
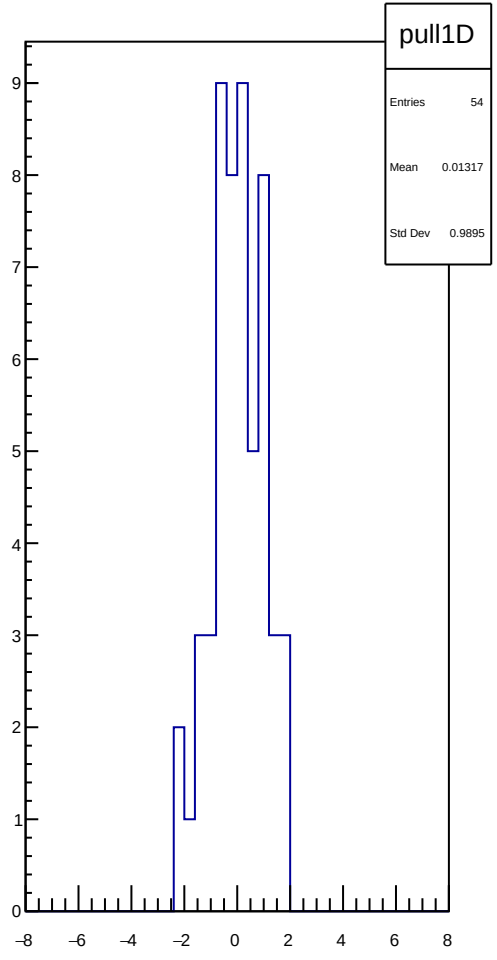
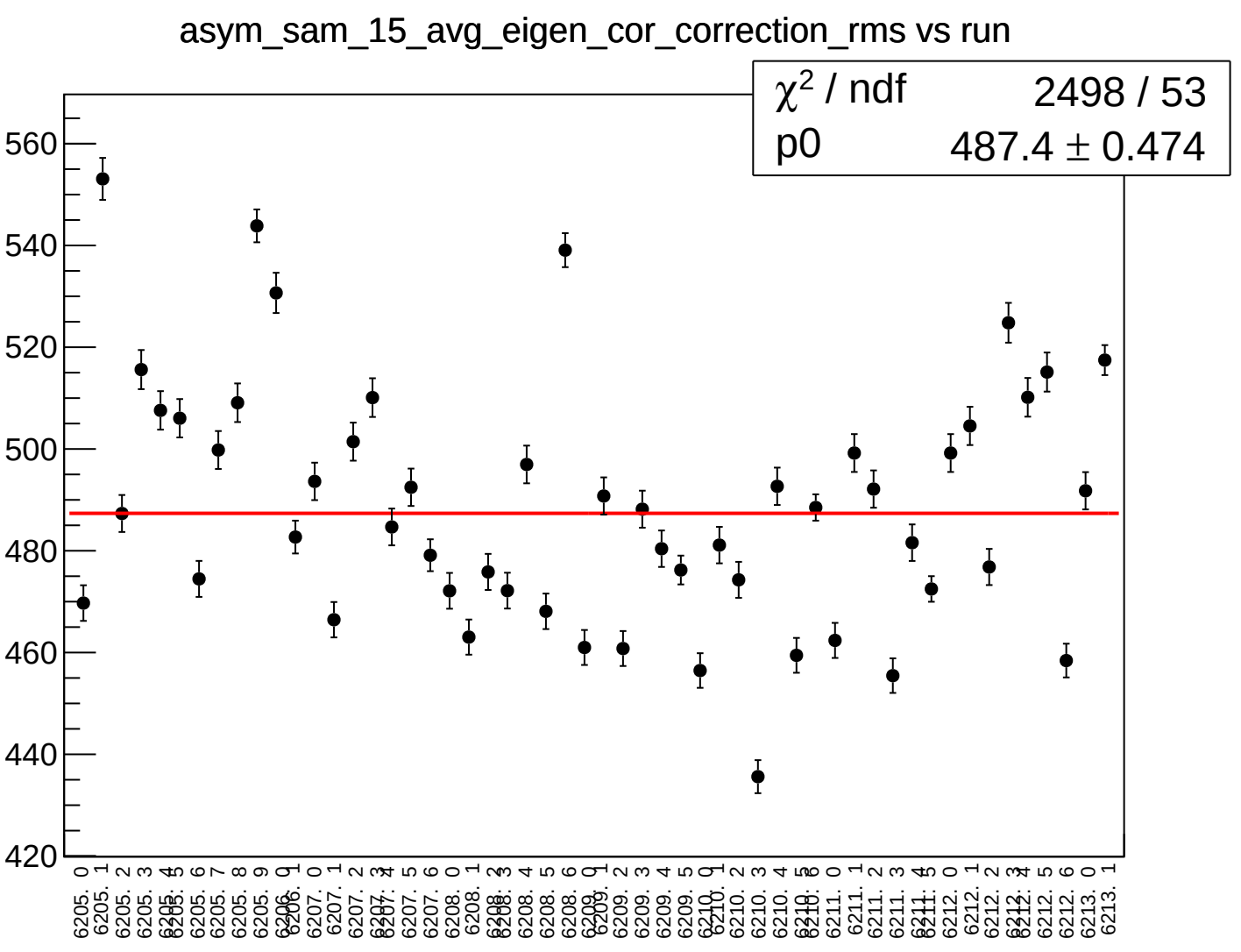
6213. 1


asym_sam_15_avg_eigen_cor_correction_mean vs run
χ² / ndf 52.88 / 53
p0 1167 ± 670.4
pull
Entries 54
Mean 54.01
Std Dev 29.83


pull1D
Entries 54
Mean 0.01317
Std Dev 0.9895


asym_sam_15_avg_eigen_cor_correction_rms vs run
χ² / ndf 2498 / 53
p0 487.4 ± 0.474
560
540
520
500
480
460
440
420
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
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6208. 6
6209. 0
6209. 1
6209. 2
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6209. 5
6210. 0
6210. 1
6210. 2
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6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
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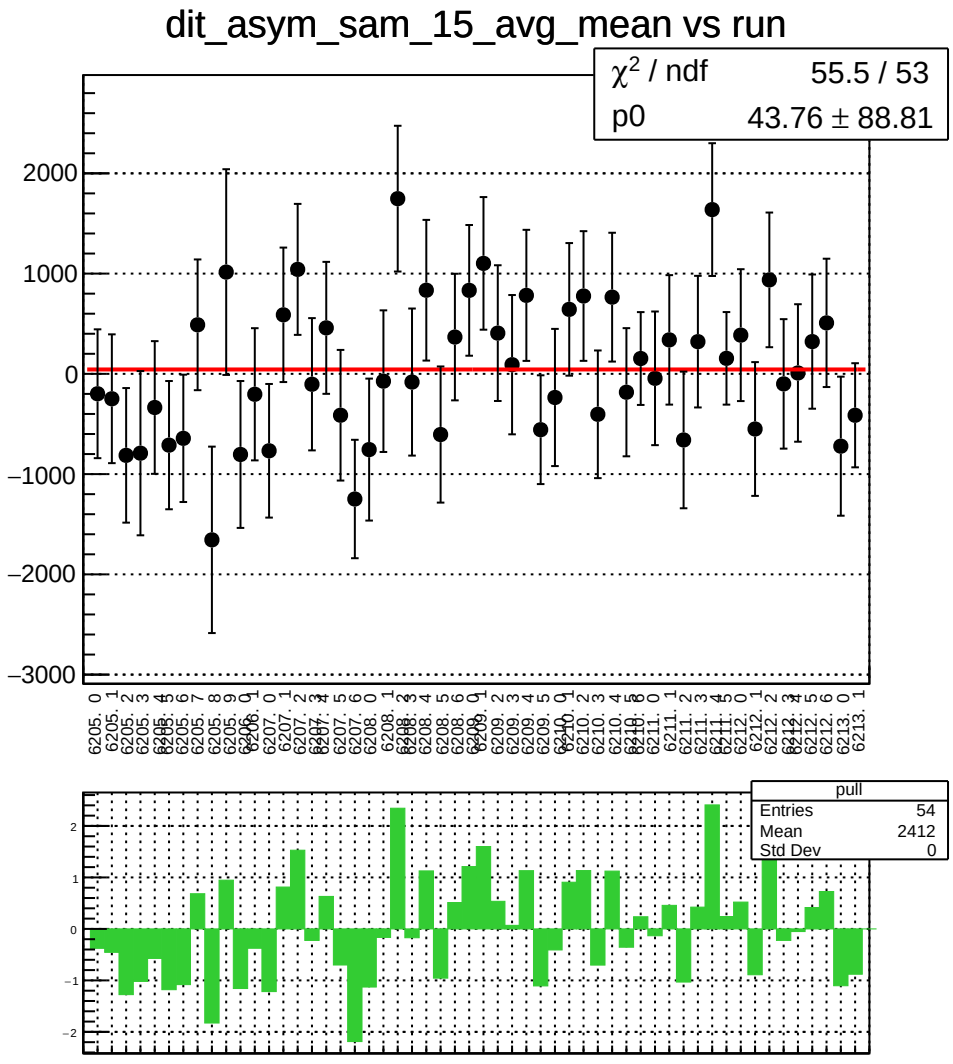
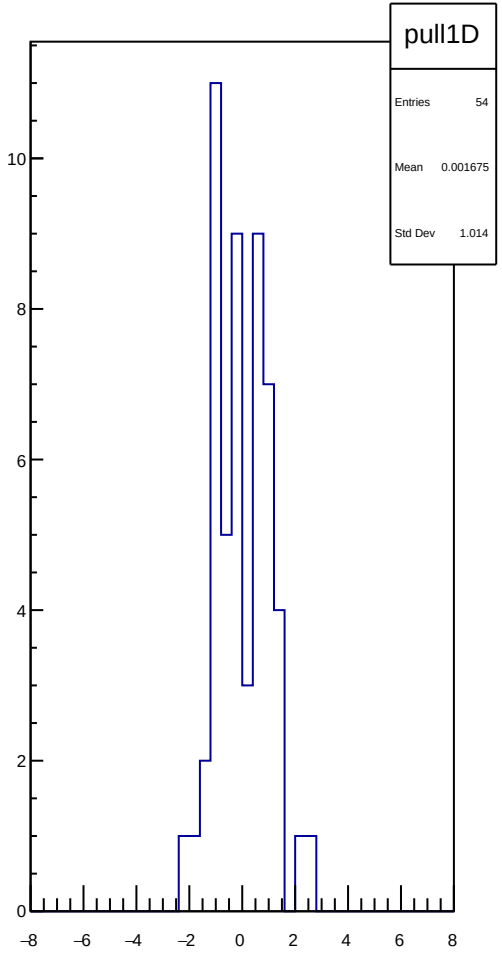
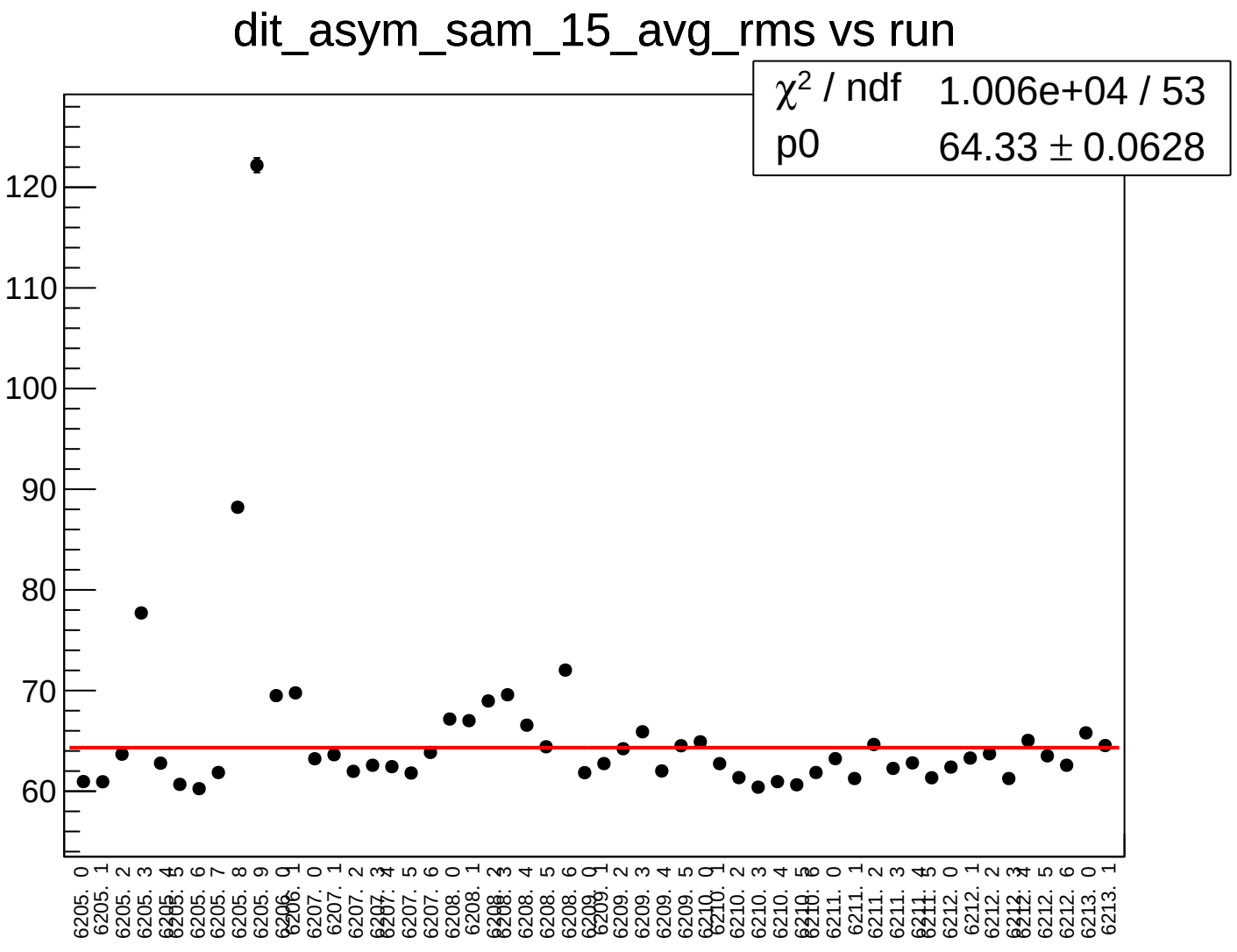
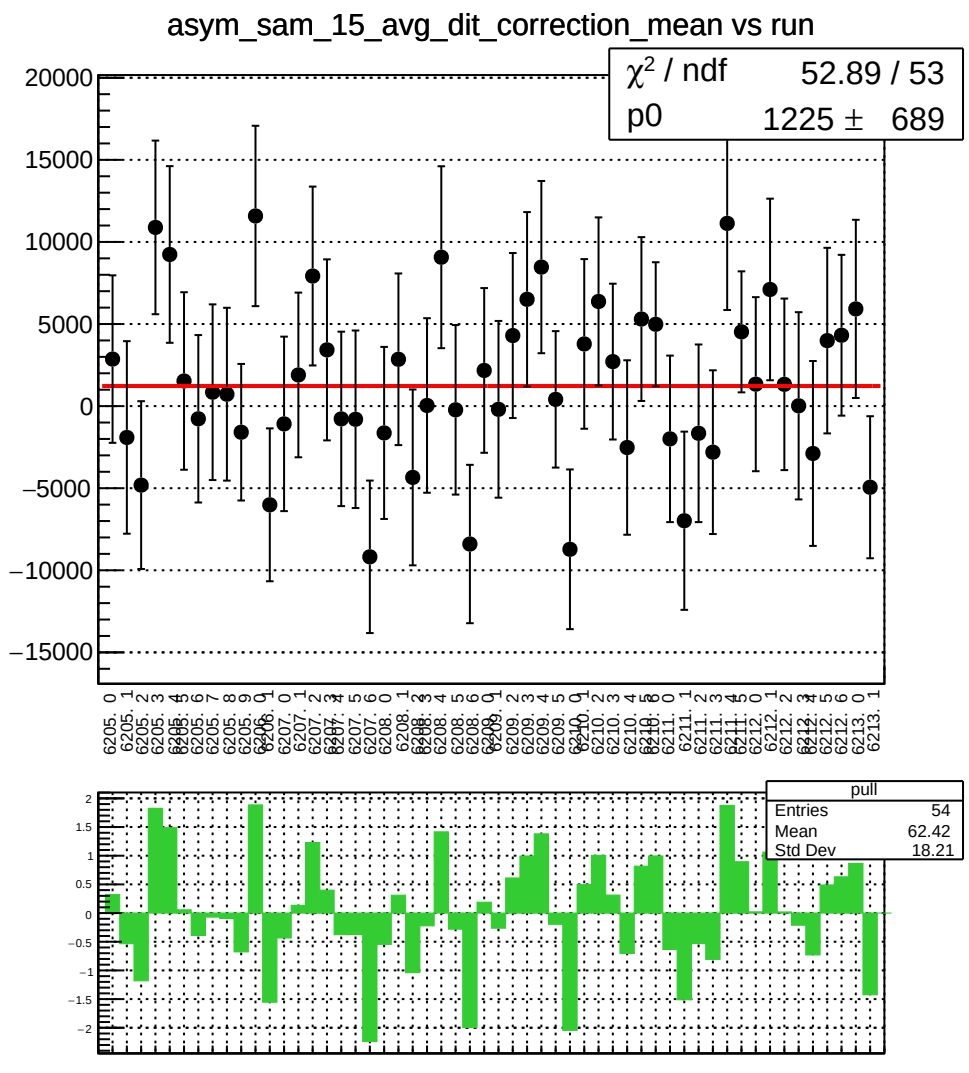
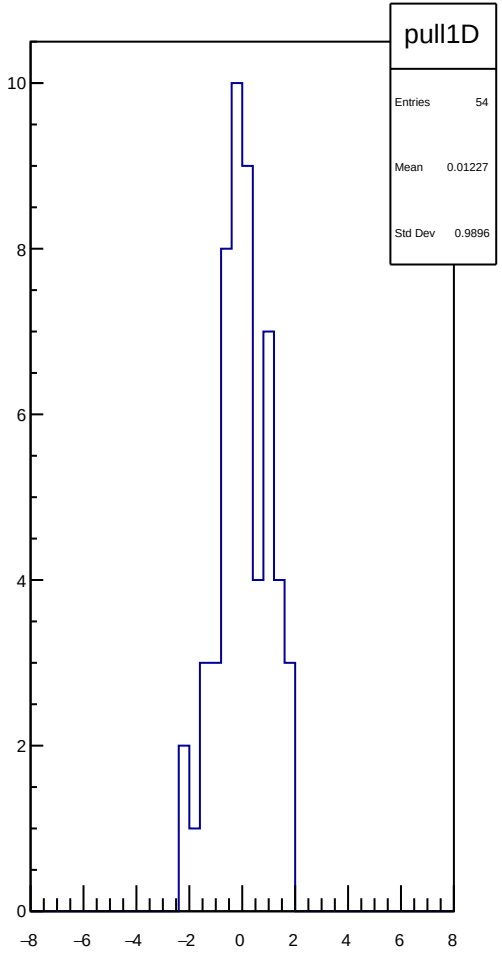
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

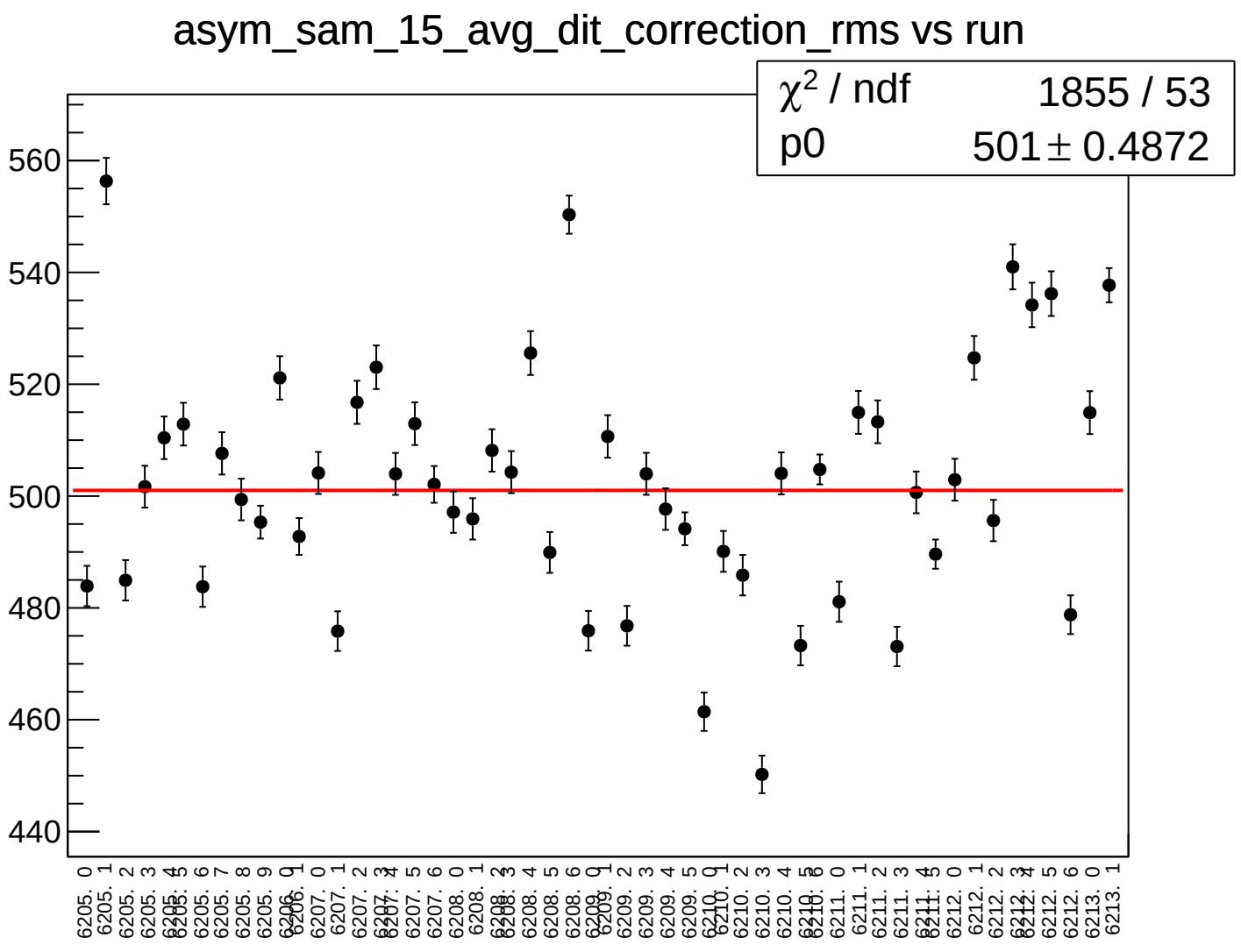

dit_asym_sam_15_avg_mean vs run
χ^2 / ndf 55.5 / 53
p0 43.76 ± 88.81
2000
1000
0
−1000
−2000
−3000
pull
Entries 54
Mean 2412
Std Dev 0
2
1
0
−1
−2

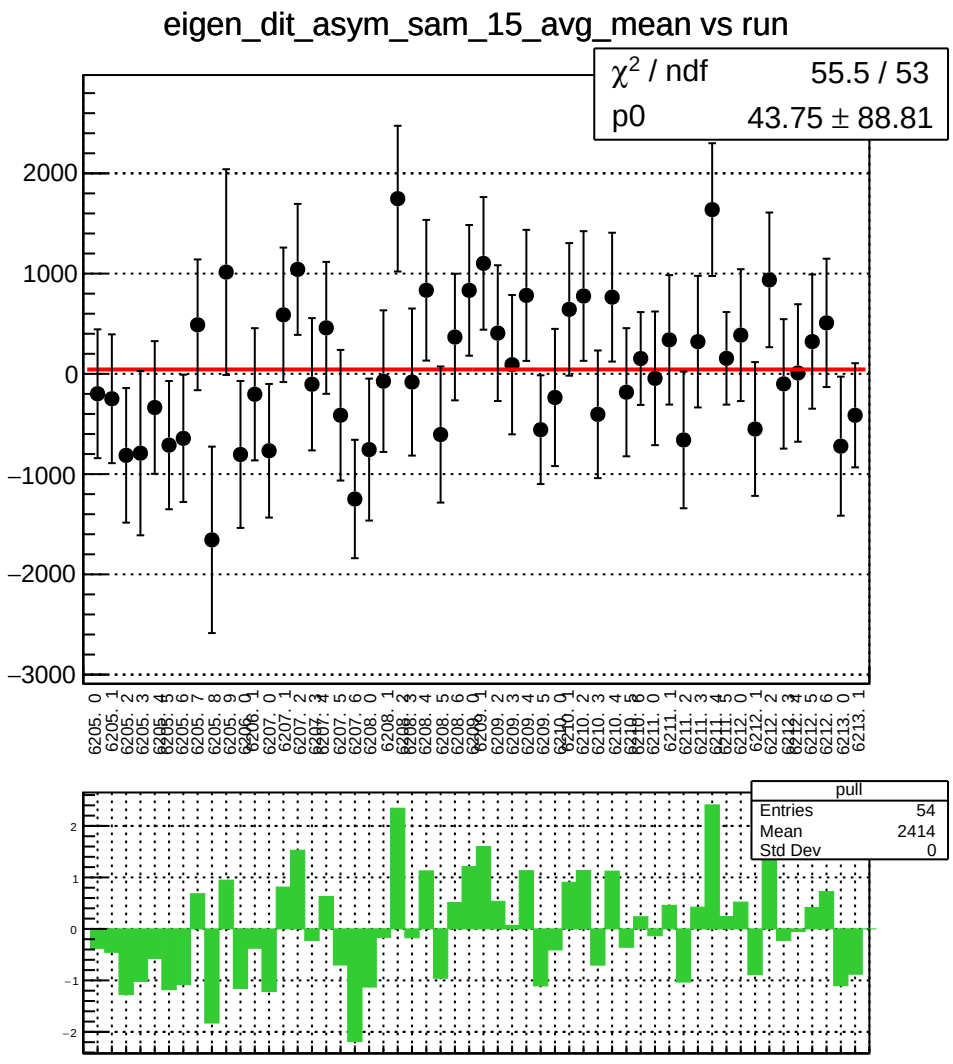

pull1D
Entries 54
Mean 0.001675
Std Dev 1.014
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

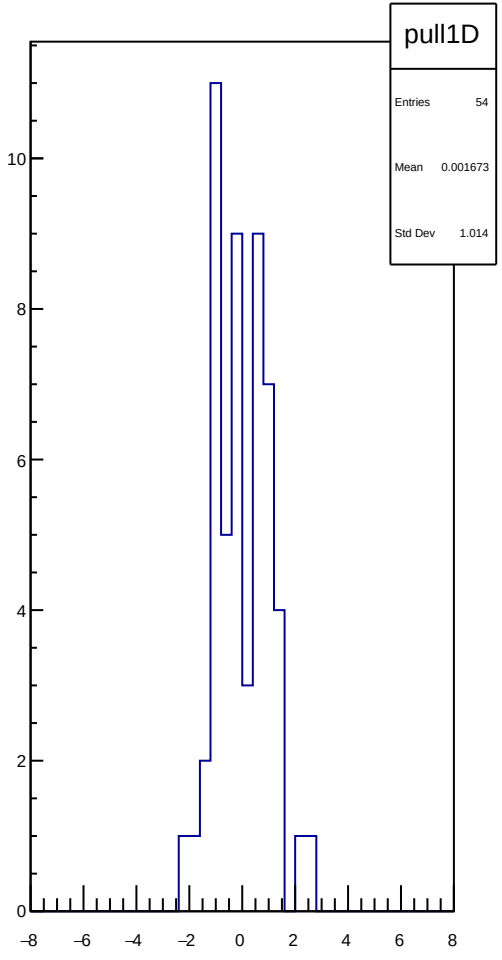

dit_asym_sam_15_avg_rms vs run
χ² / ndf 1.006e+04 / 53
p0 64.33 ± 0.0628
120
110
100
90
80
70
60
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

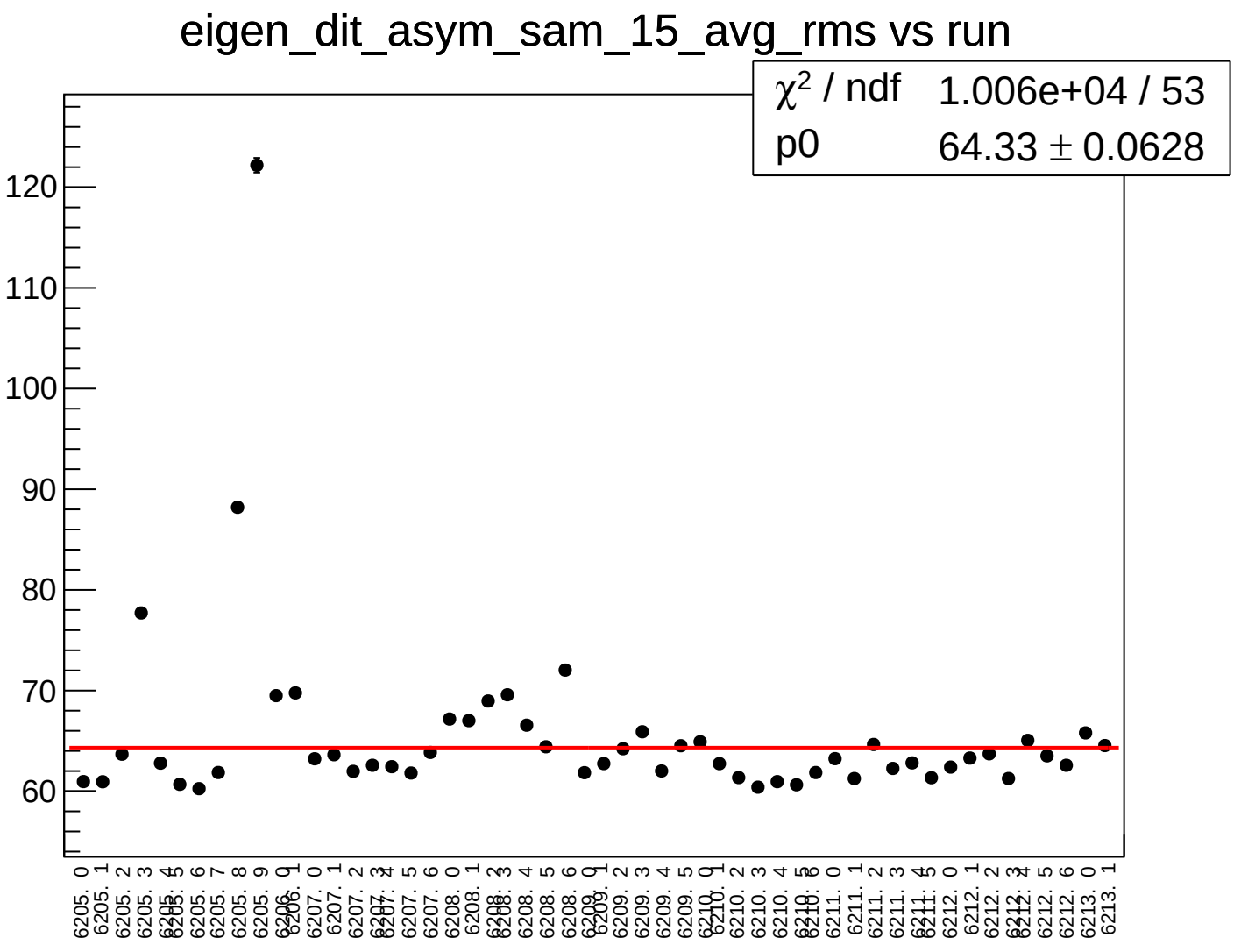

asym_sam_15_avg_dit_correction_mean vs run
χ² / ndf 52.89 / 53
p0 1225 ± 689
pull
Entries 54
Mean 62.42
Std Dev 18.21

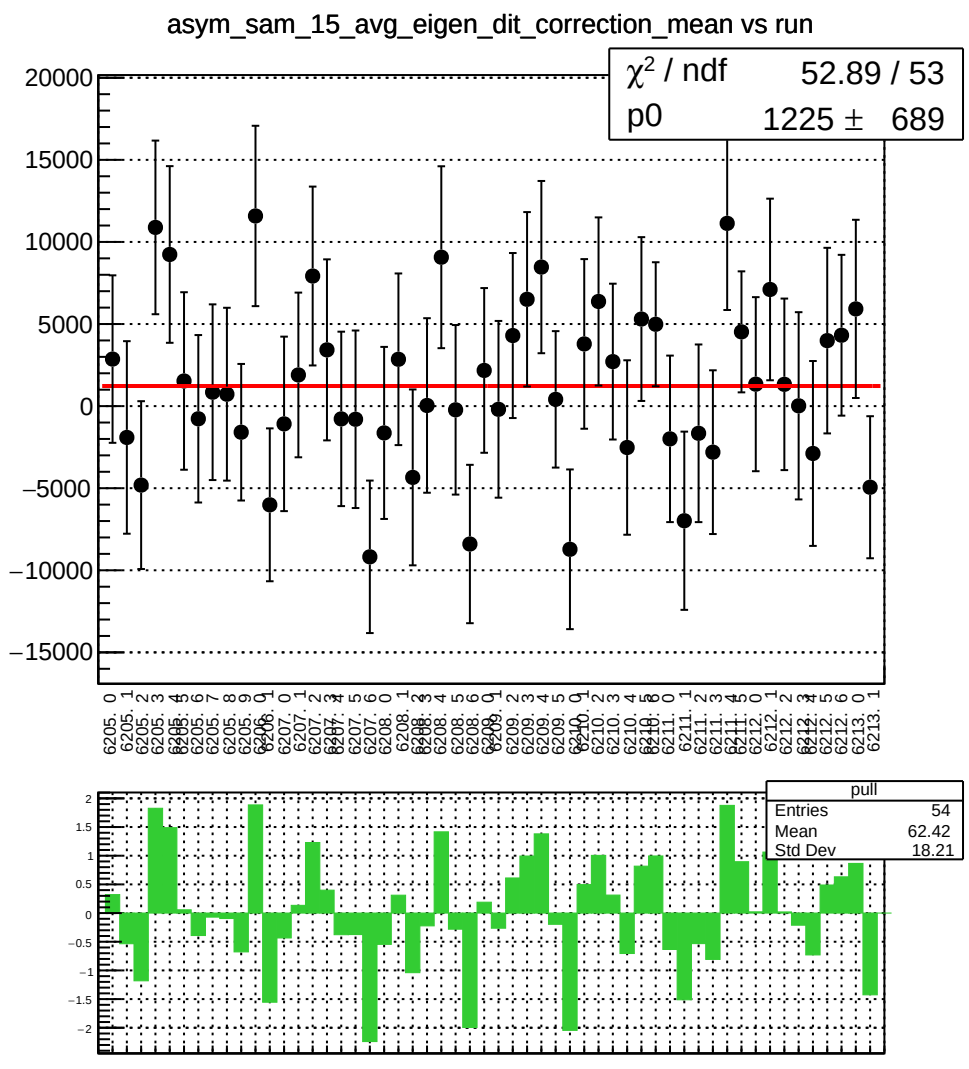

pull1D
Entries 54
Mean 0.01227
Std Dev 0.9896

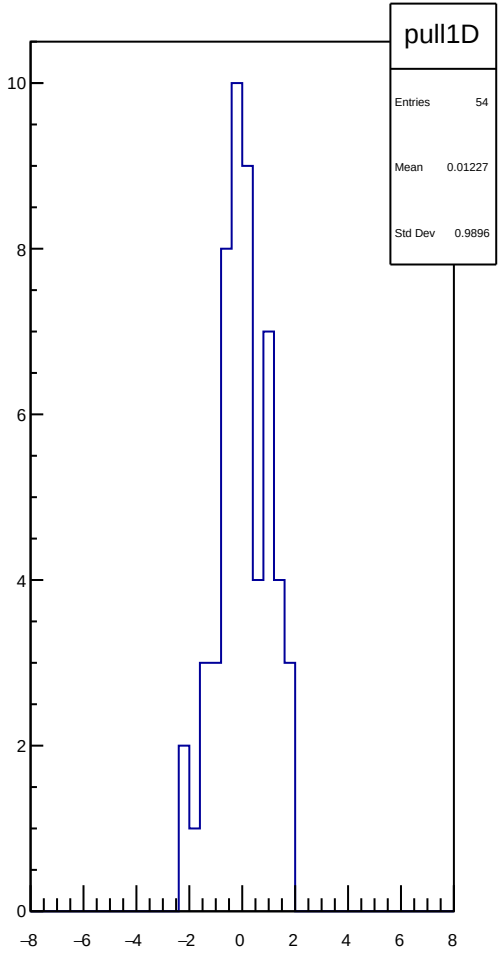

asym_sam_15_avg_dit_correction_rms vs run
χ² / ndf 1855 / 53
p0 501 ± 0.4872
560
540
520
500
480
460
440
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

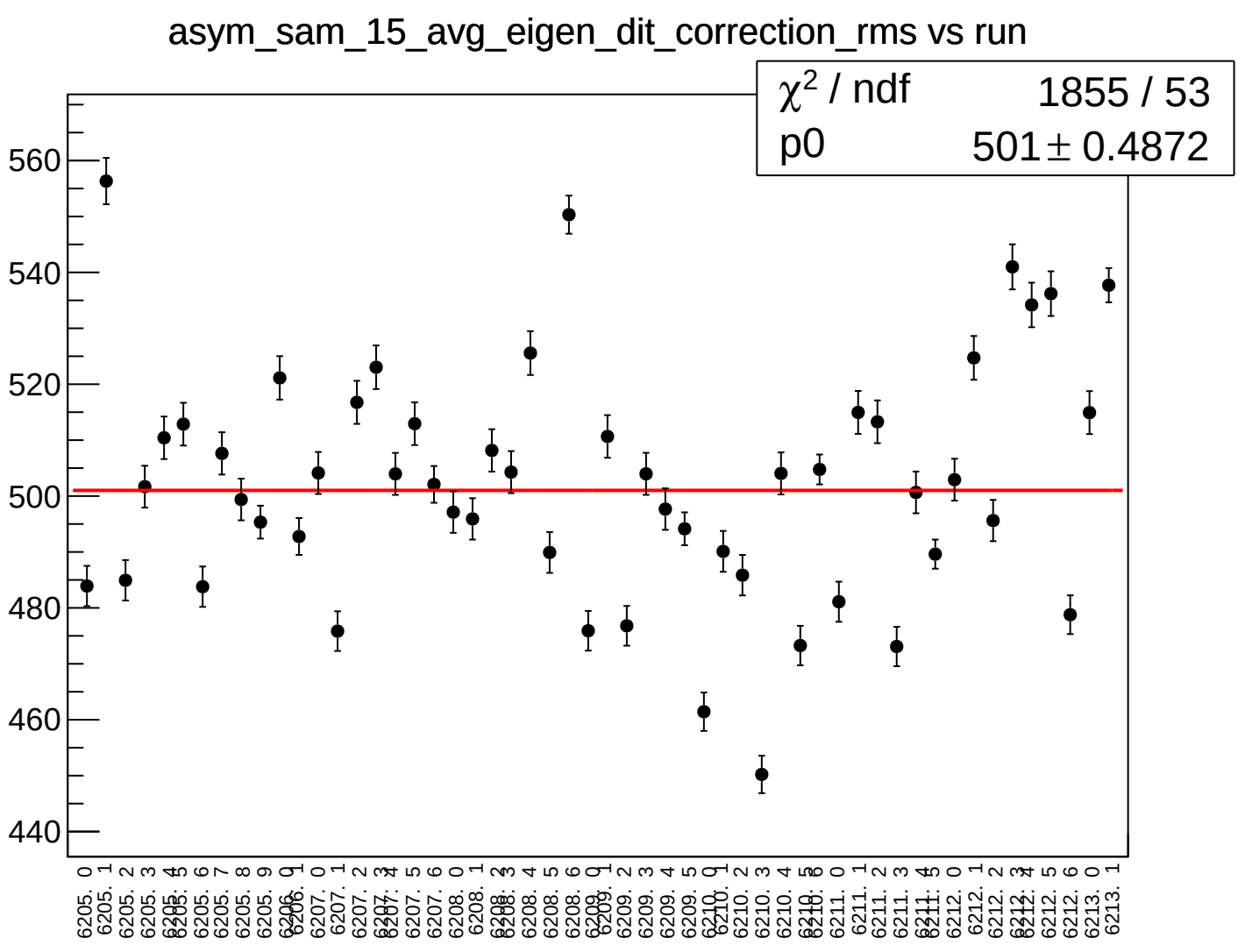

eigen_dit_asym_sam_15_avg_mean vs run
χ² / ndf 55.5 / 53
p0 43.75 ± 88.81
2000
1000
0
−1000
−2000
−3000
pull
Entries 54
Mean 2414
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 54
Mean 0.001673
Std Dev 1.014
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_dit_asym_sam_15_avg_rms vs run
χ² / ndf 1.006e+04 / 53
p0 64.33 ± 0.0628
120
110
100
90
80
70
60
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_sam_15_avg_eigen_dit_correction_mean vs run
χ² / ndf 52.89 / 53
p0 1225 ± 689
pull
Entries 54
Mean 62.42
Std Dev 18.21


pull1D
Entries 54
Mean 0.01227
Std Dev 0.9896


asym_sam_15_avg_eigen_dit_correction_rms vs run
χ² / ndf 1855 / 53
p0 501 ± 0.4872
560
540
520
500
480
460
440
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
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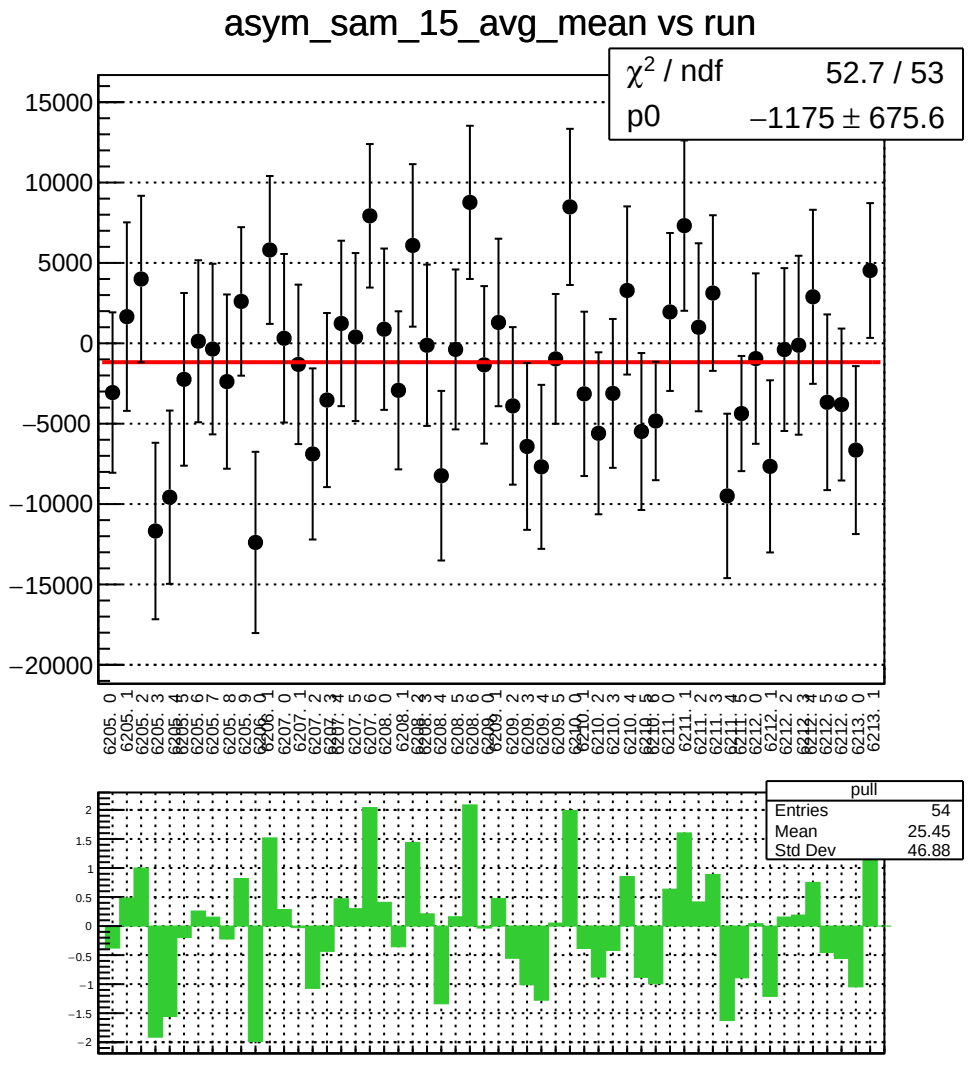
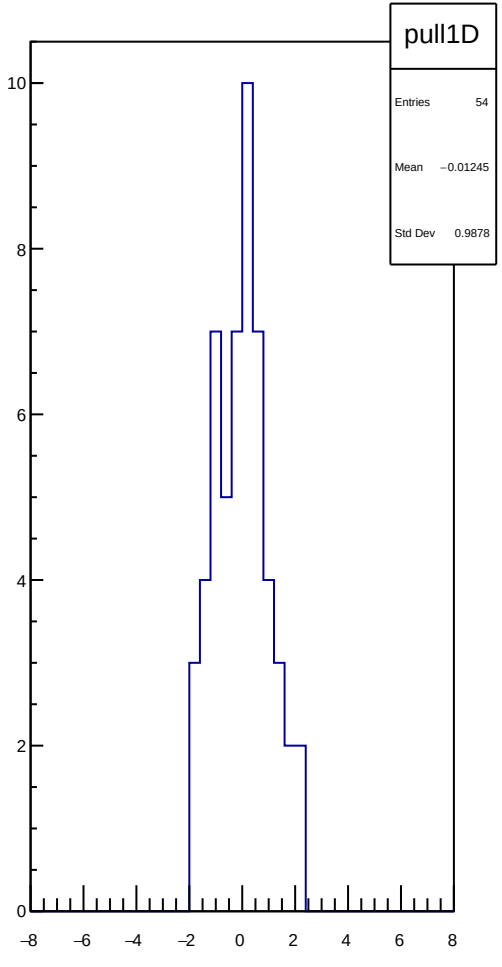
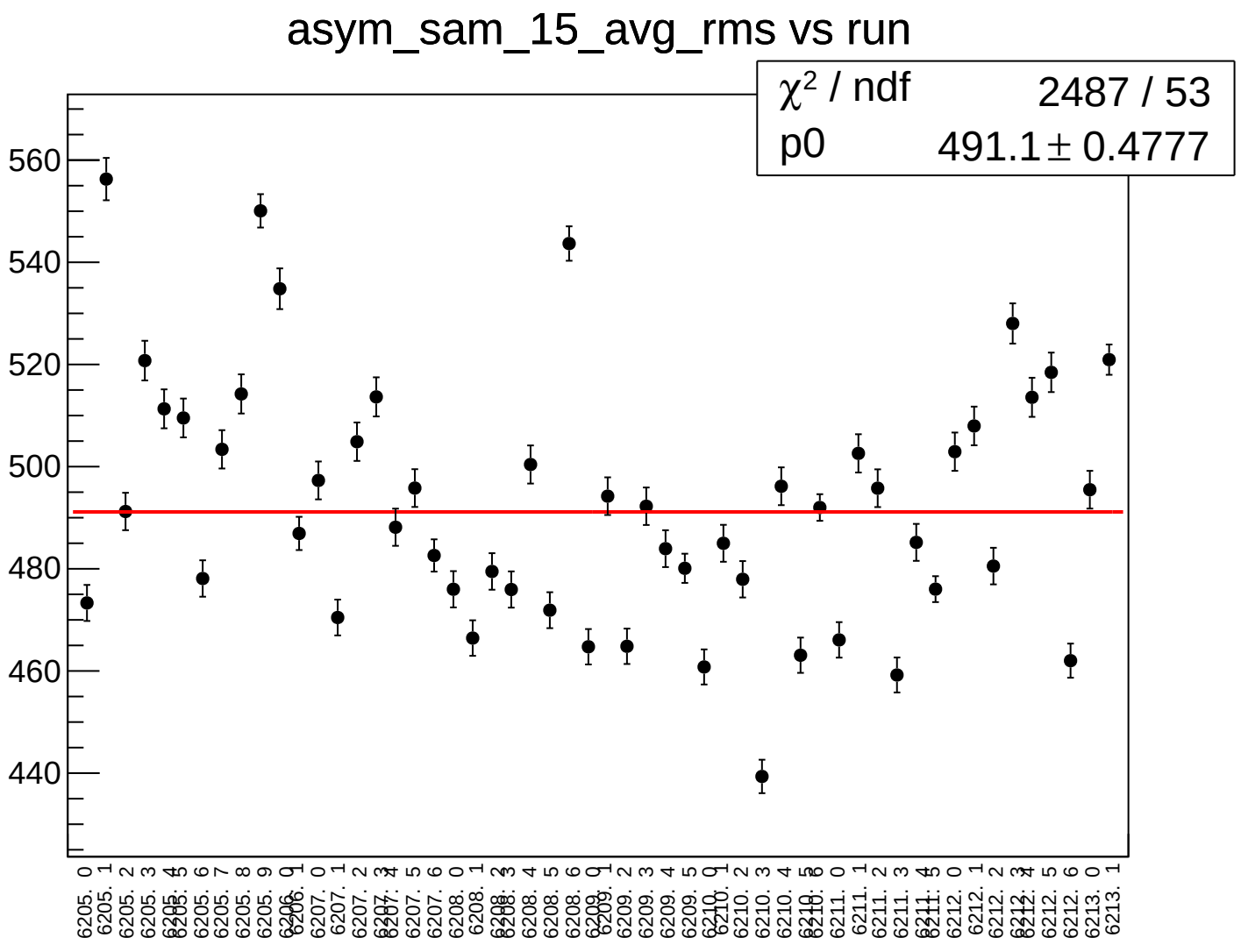
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_sam_15_avg_mean vs run
χ² / ndf 52.7 / 53
p0 −1175 ± 675.6
pull
Entries 54
Mean 25.45
Std Dev 46.88


pull1D
Entries 54
Mean −0.01245
Std Dev 0.9878


asym_sam_15_avg_rms vs run
χ² / ndf 2487 / 53
p0 491.1 ± 0.4777
560
540
520
500
480
460
440
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
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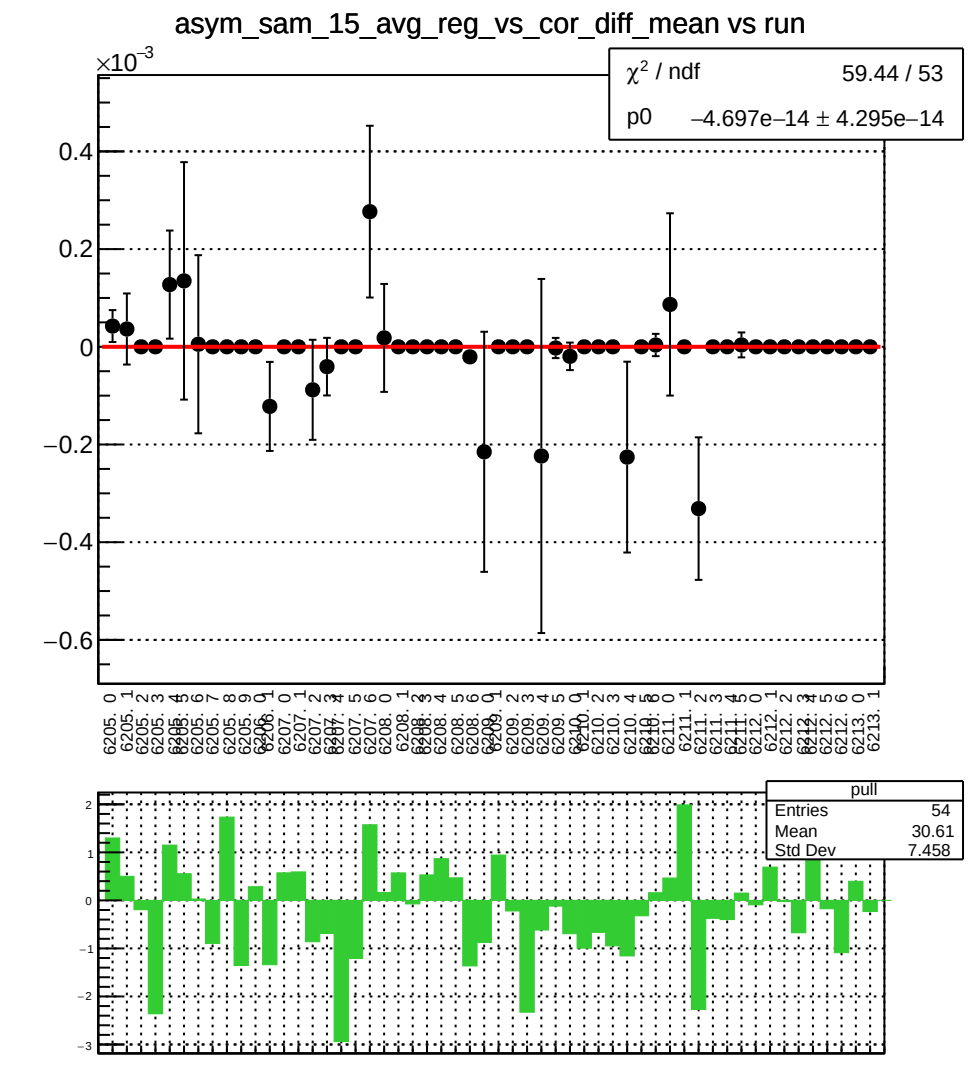
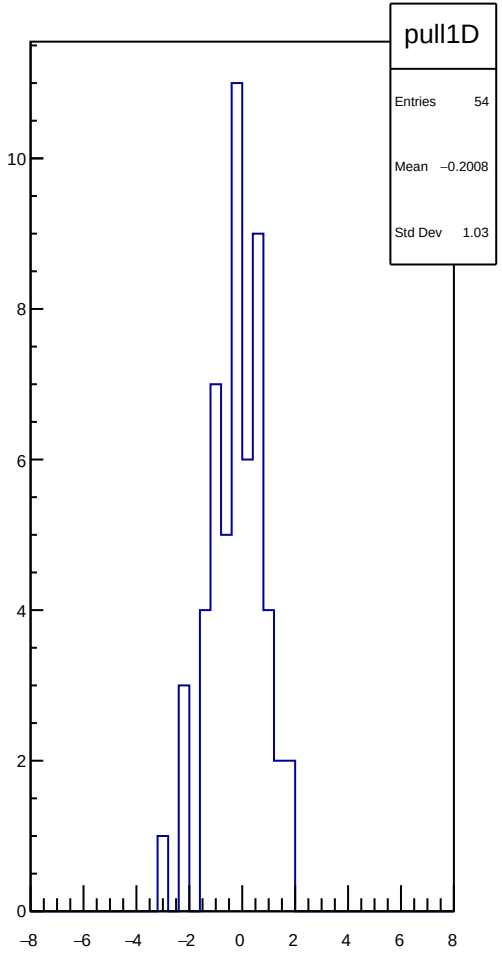
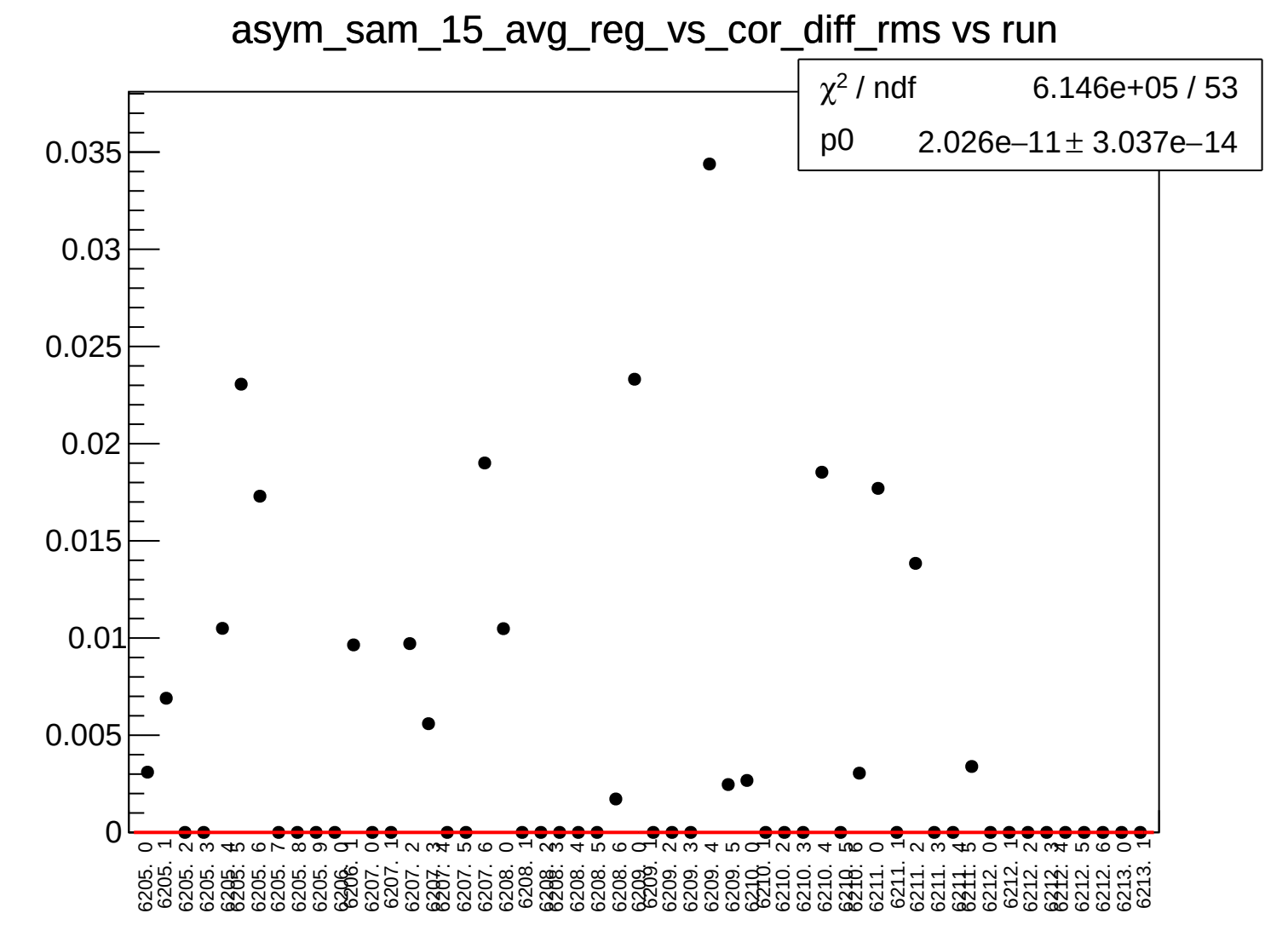
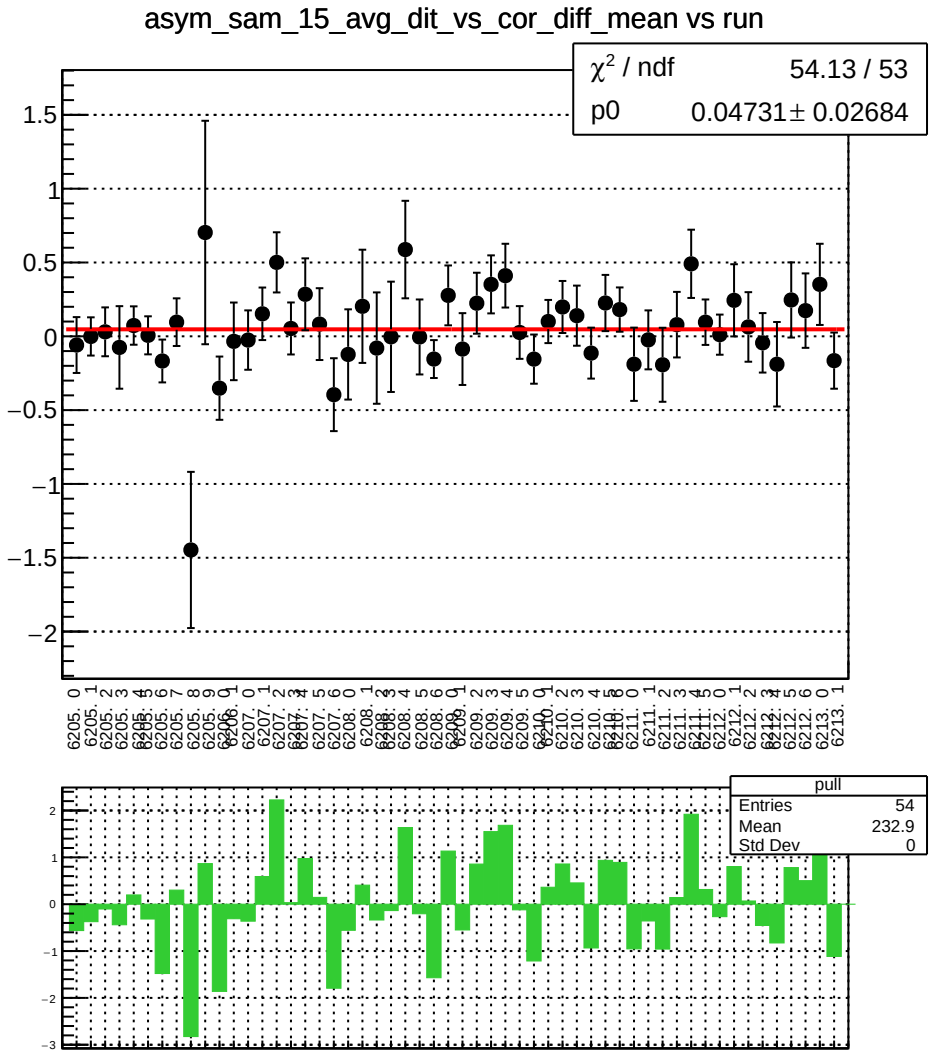
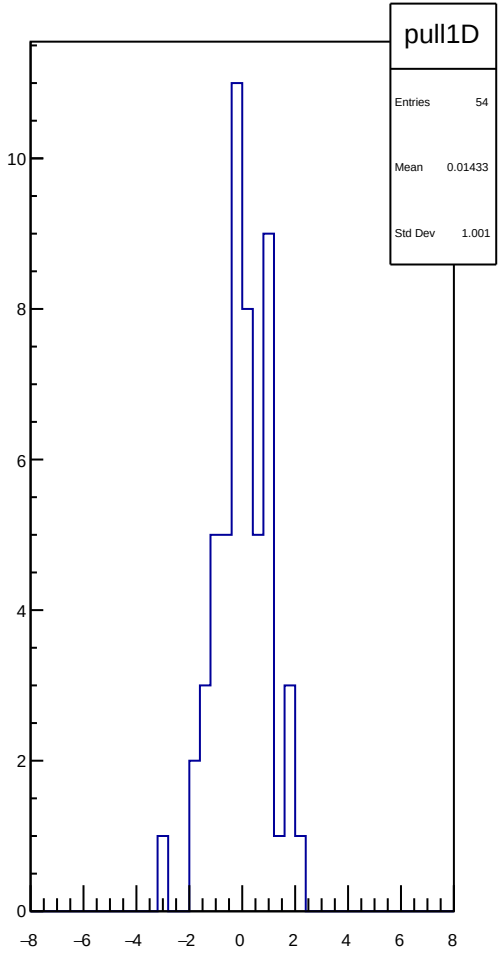
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

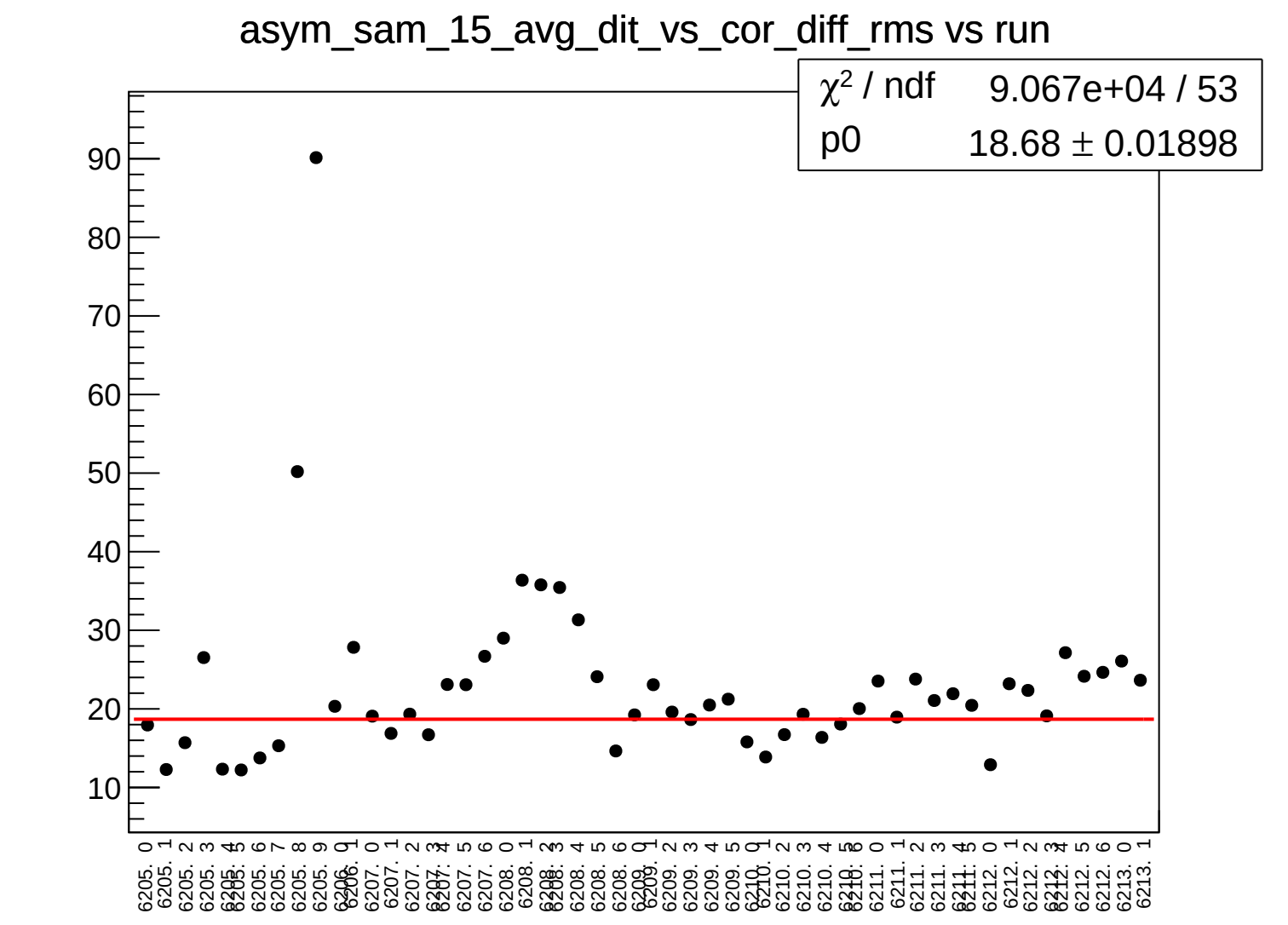

asym_sam_15_avg_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 59.44 / 53
p0 −4.697e−14 ± 4.295e−14
pull
Entries 54
Mean 30.61
Std Dev 7.458


pull1D
Entries 54
Mean −0.2008
Std Dev 1.03


asym_sam_15_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.146e+05 / 53
p0 2.026e−11 ± 3.037e−14
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0


asym_sam_15_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 54.13 / 53
p0 0.04731 ± 0.02684
pull
Entries 54
Mean 232.9
Std Dev 0


pull1D
Entries 54
Mean 0.01433
Std Dev 1.001


asym_sam_15_avg_dit_vs_cor_diff_rms vs run
χ^2 / ndf 9.067e+04 / 53
p0 18.68 ± 0.01898
90
80
70
60
50
40
30
20
10
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
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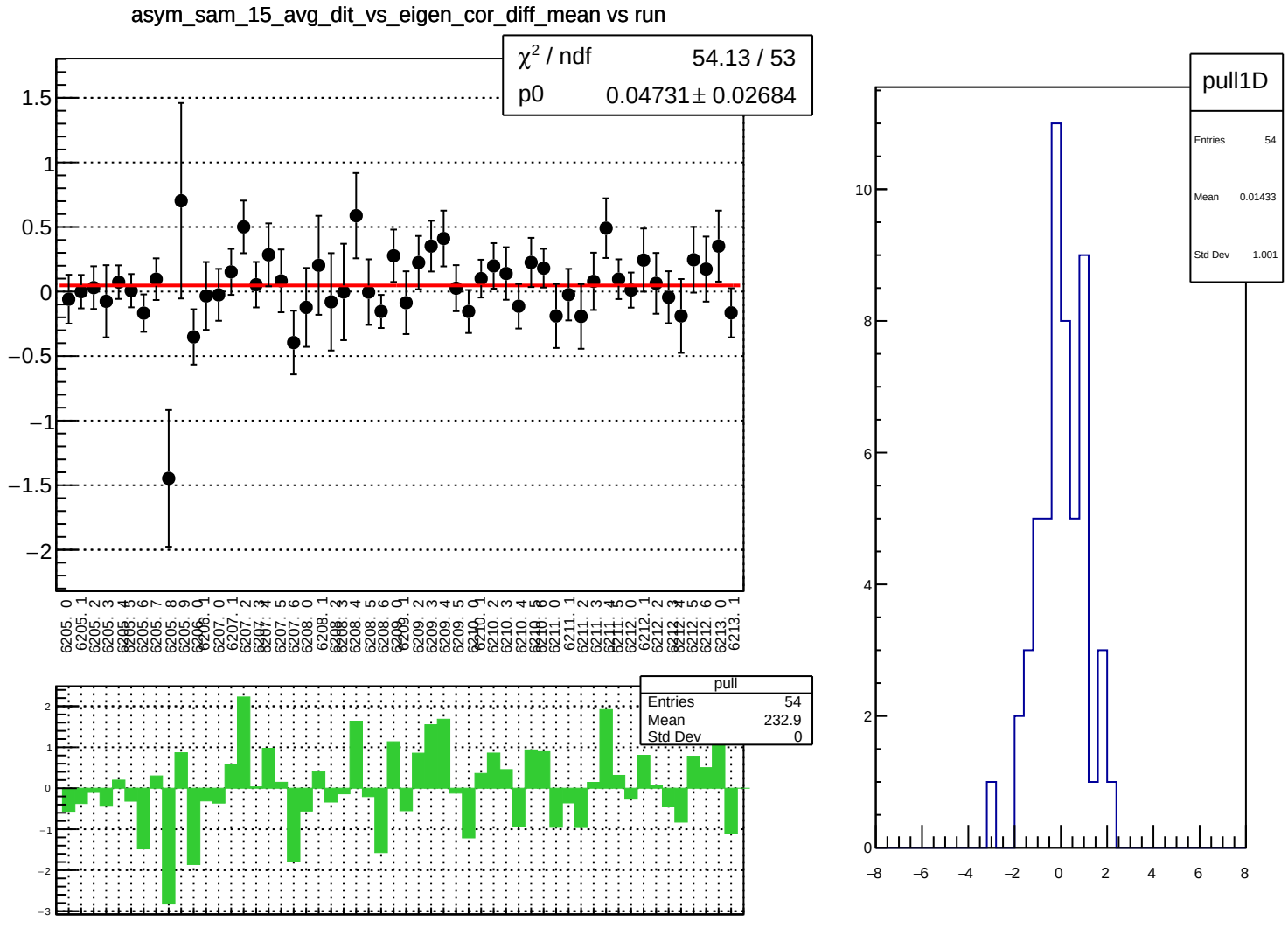
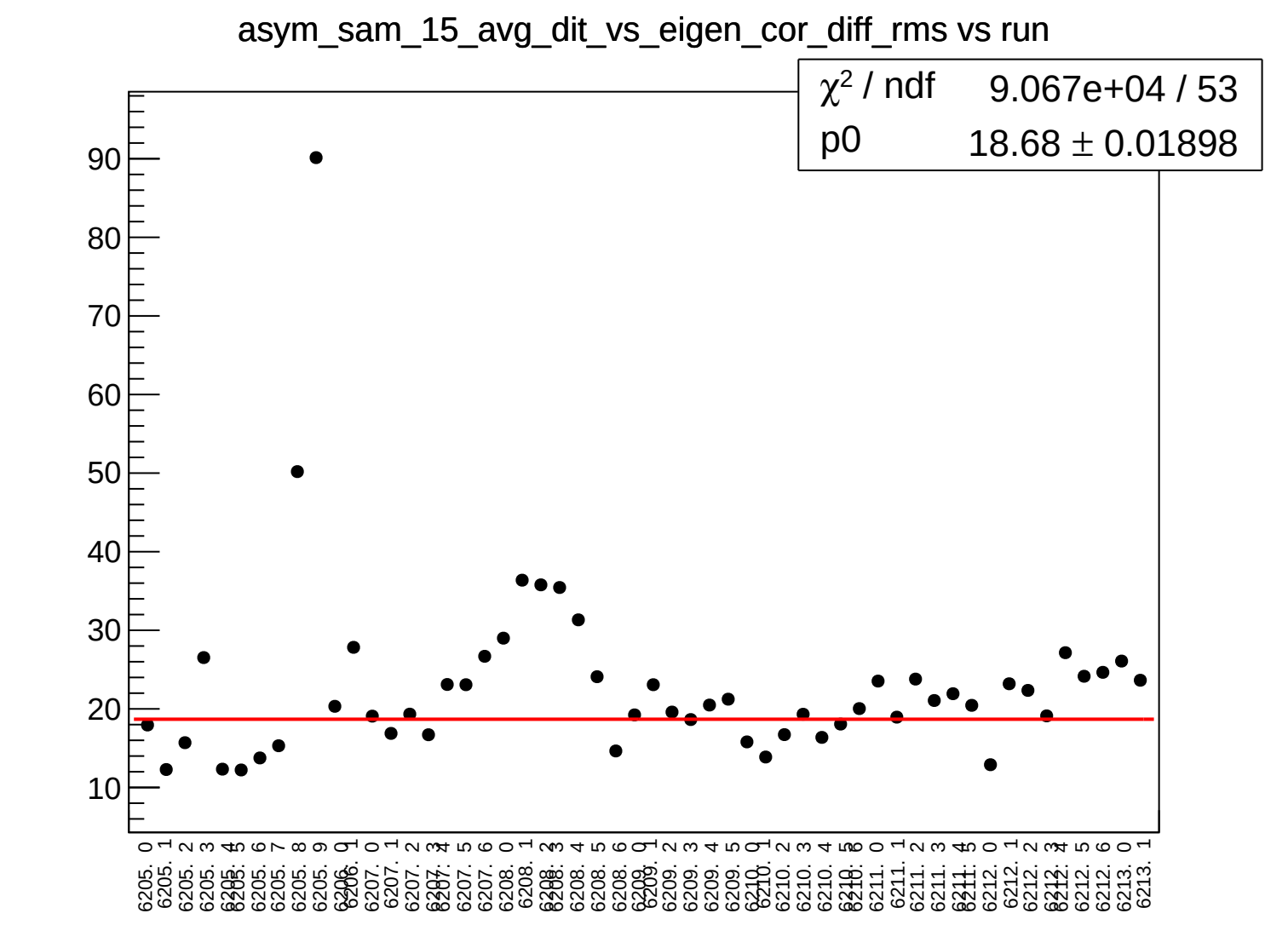
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_sam_15_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 54.13 / 53
p0 0.04731 ± 0.02684
pull
Entries 54
Mean 232.9
Std Dev 0
pull1D
Entries 54
Mean 0.01433
Std Dev 1.001


asym_sam_15_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.067e+04 / 53
p0 18.68 ± 0.01898
90
80
70
60
50
40
30
20
10
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
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6212. 0
6212. 1
6212. 2
6212. 3
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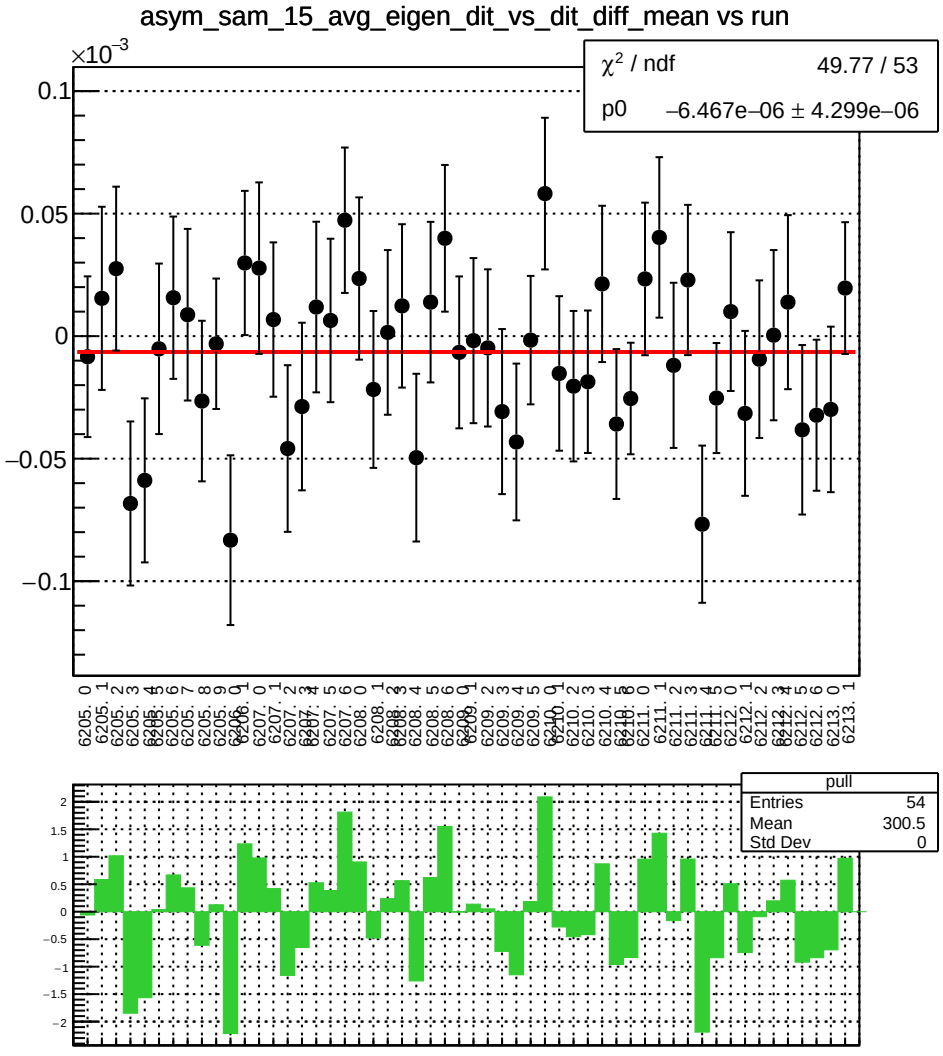
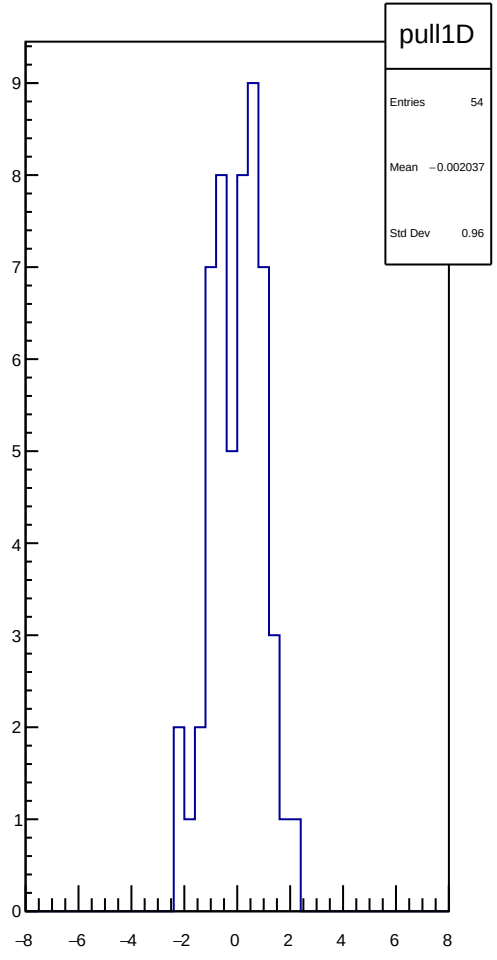
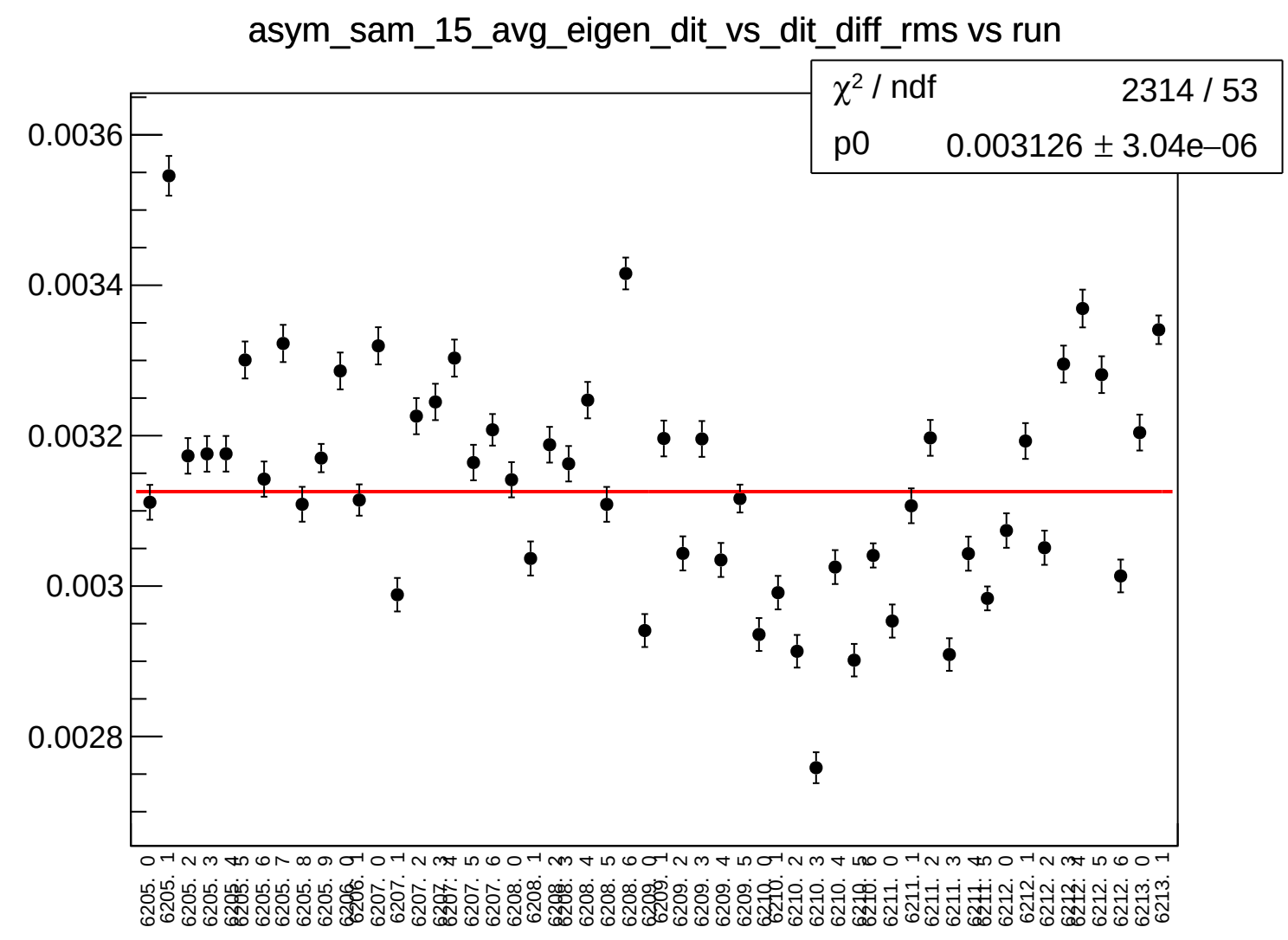
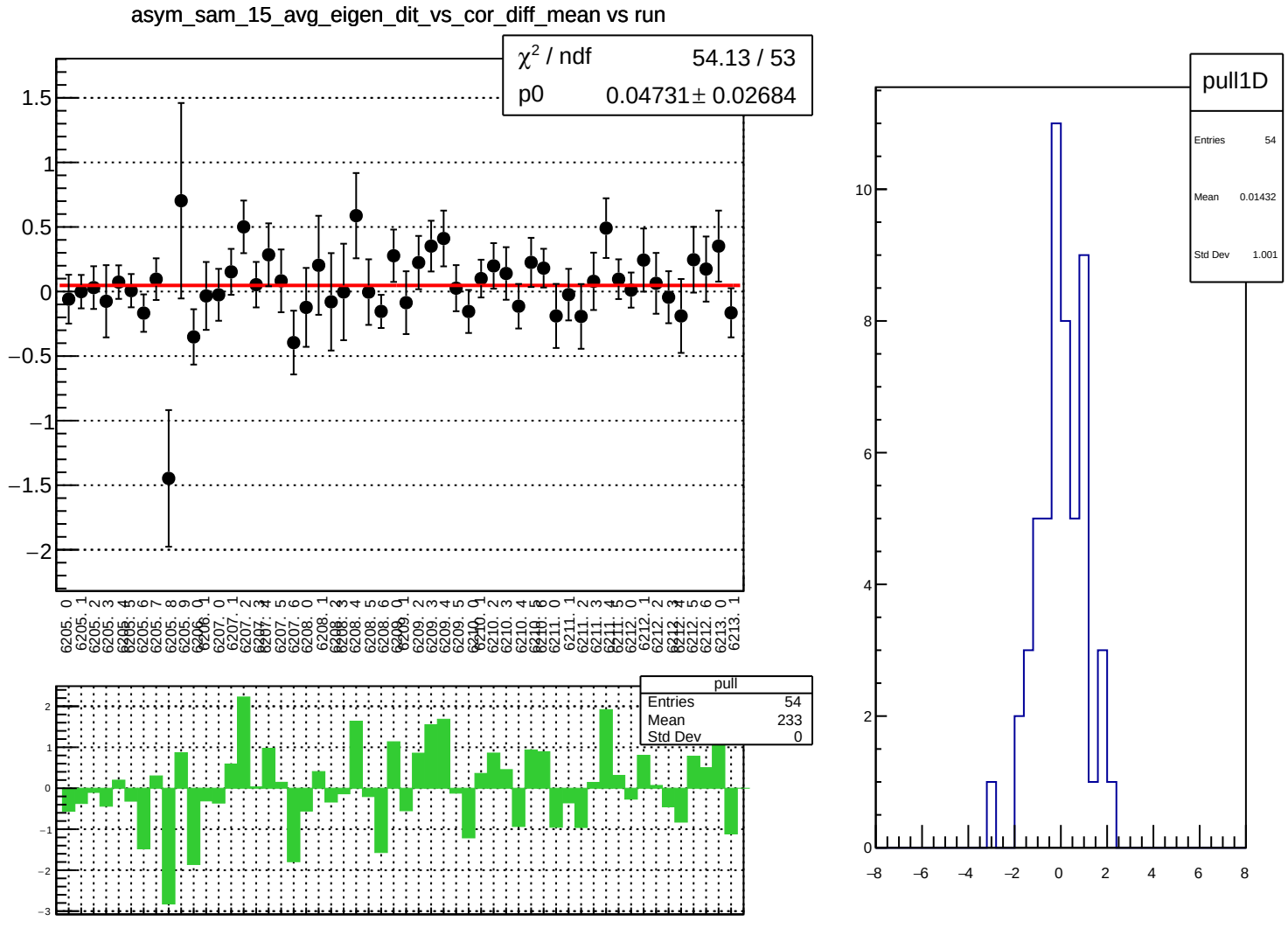
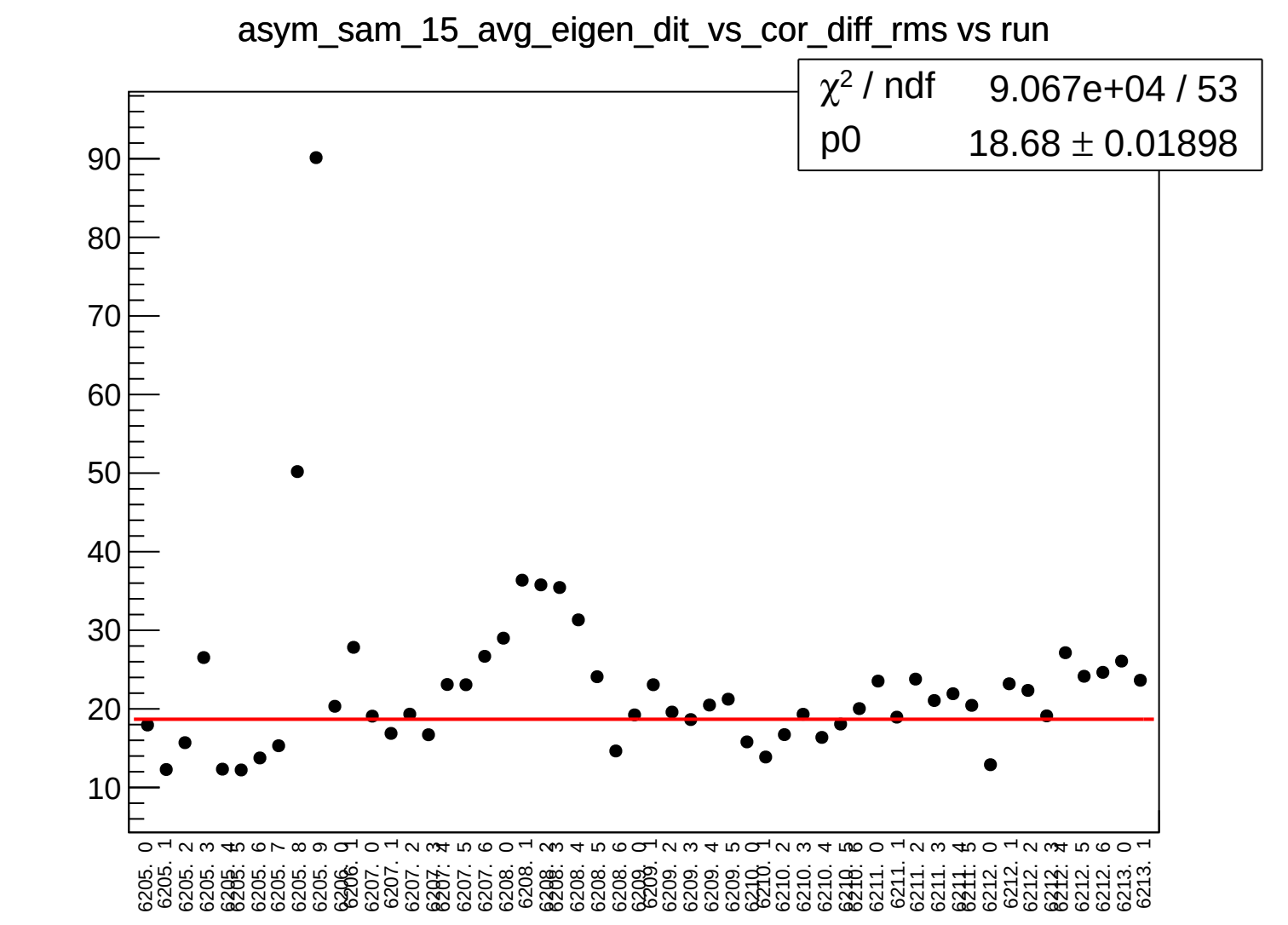
6212. 5
6212. 6
6213. 0
6213. 1


asym_sam_15_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 49.77 / 53
p0 −6.467e−06 ± 4.299e−06
pull
Entries 54
Mean 300.5
Std Dev 0


pull1D
Entries 54
Mean −0.002037
Std Dev 0.96


asym_sam_15_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2314 / 53
p0 0.003126 ± 3.04e–06
0.0036
0.0034
0.0032
0.003
0.0028


asym_sam_15_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 54.13 / 53
p0 0.04731 ± 0.02684
pull
Entries 54
Mean 233
Std Dev 0
pull1D
Entries 54
Mean 0.01432
Std Dev 1.001


asym_sam_15_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 9.067e+04 / 53
p0 18.68 ± 0.01898
90
80
70
60
50
40
30
20
10
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
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6209. 0
6209. 1
6209. 2
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6210. 0
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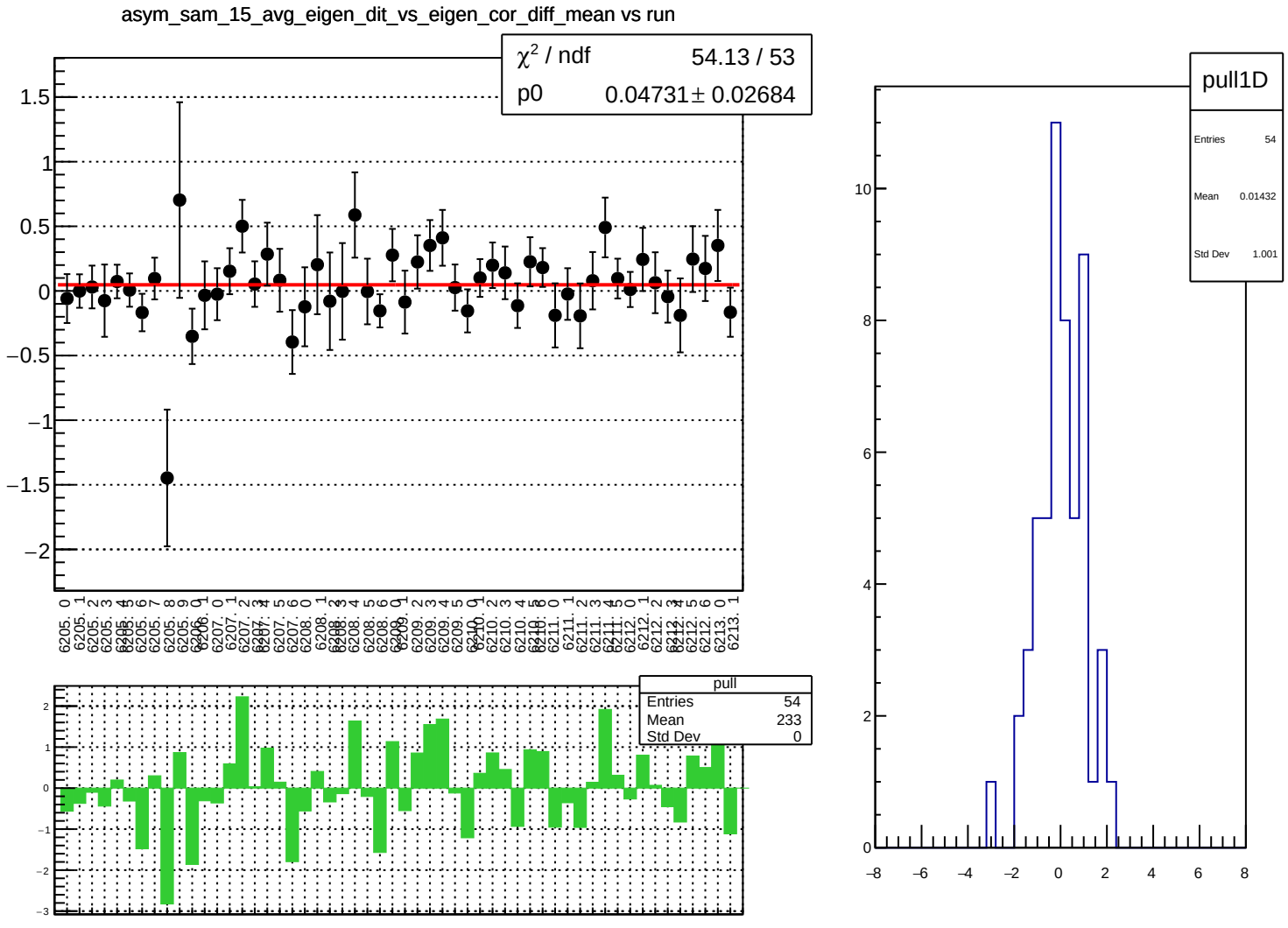
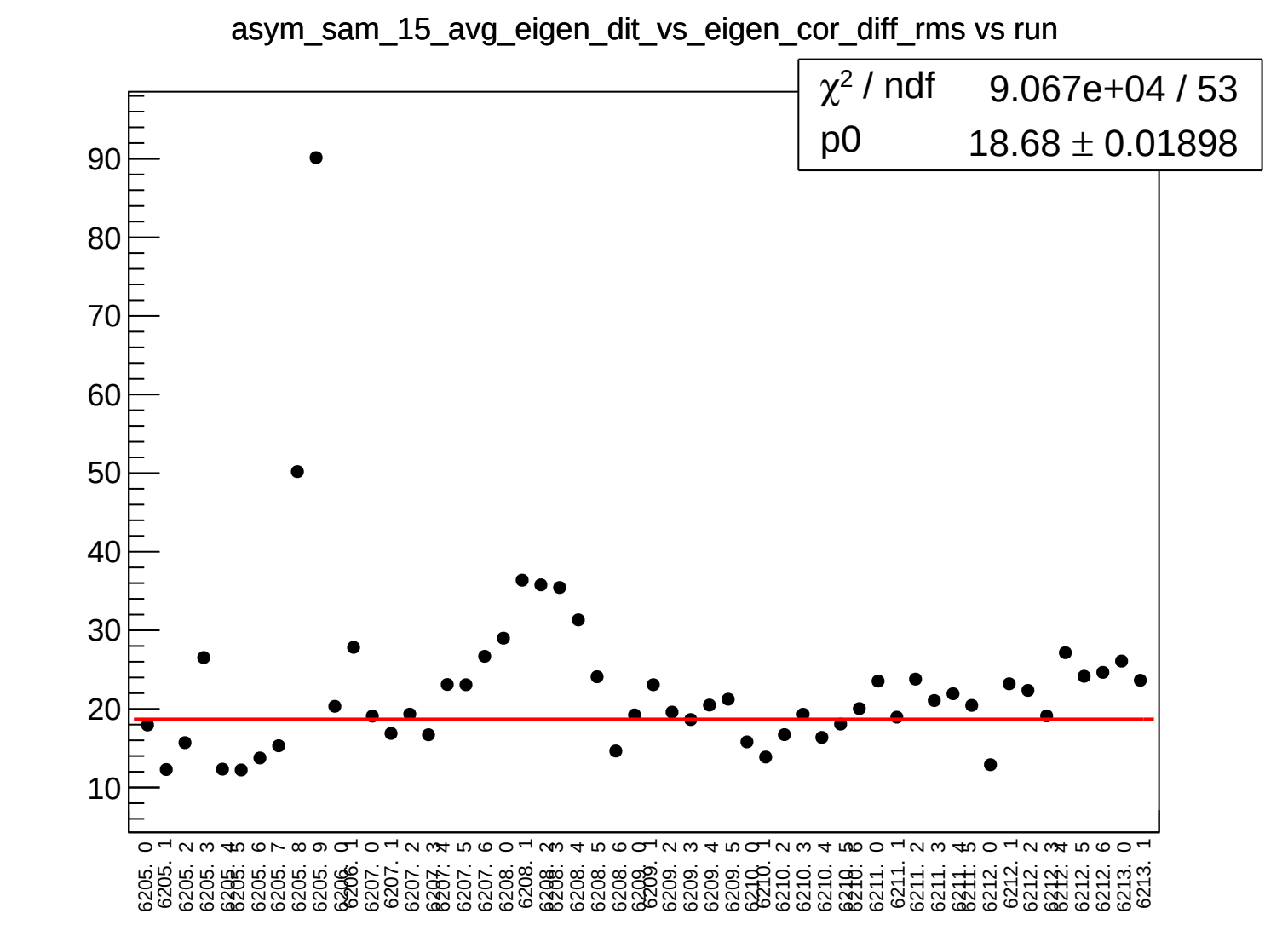
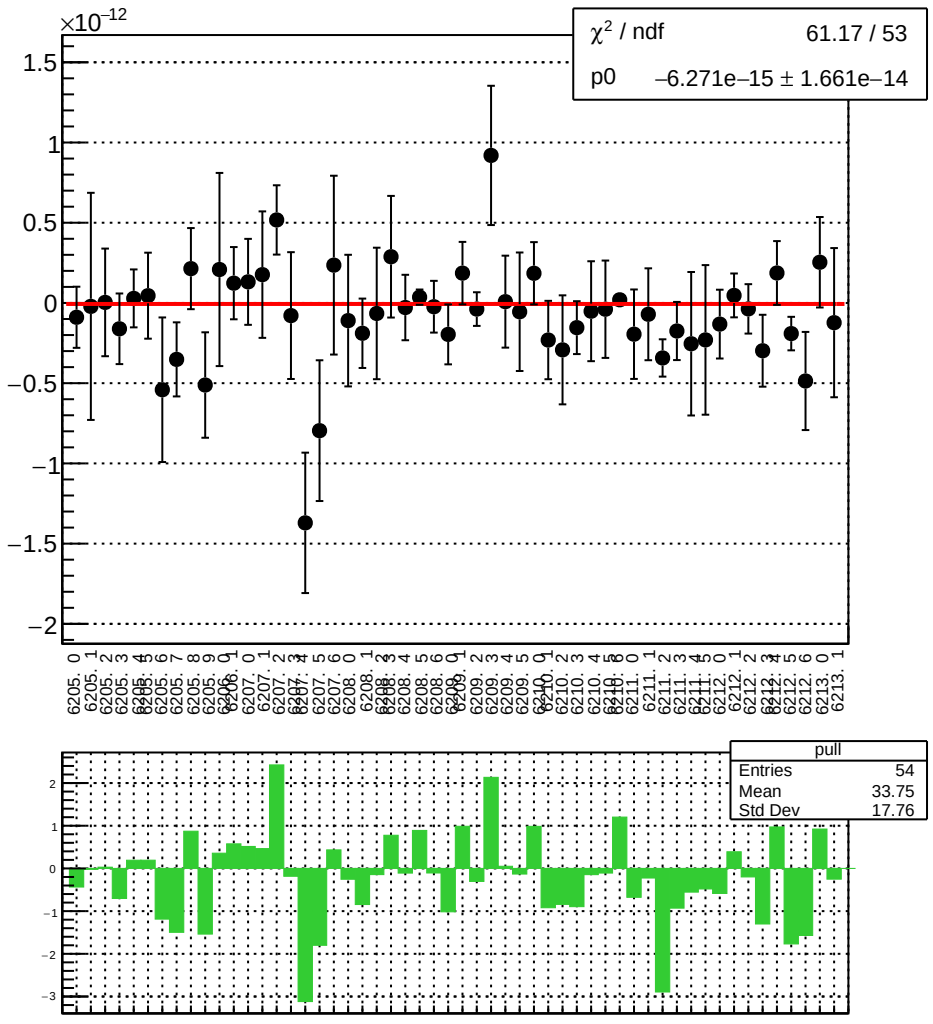
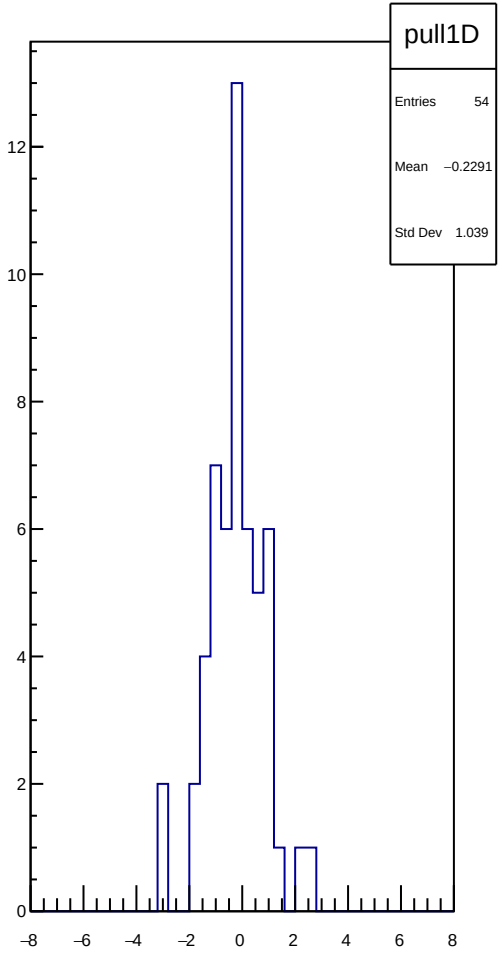
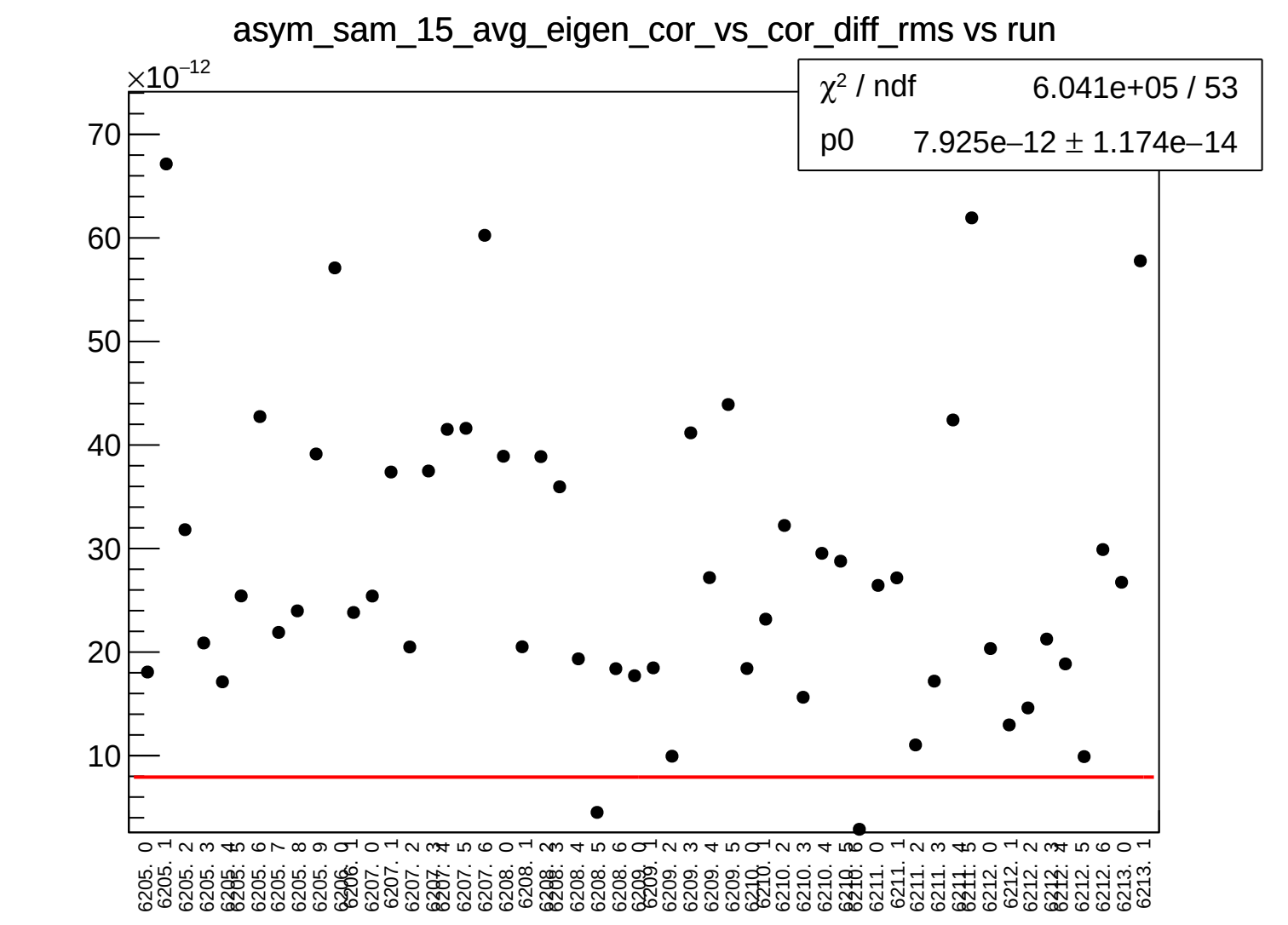
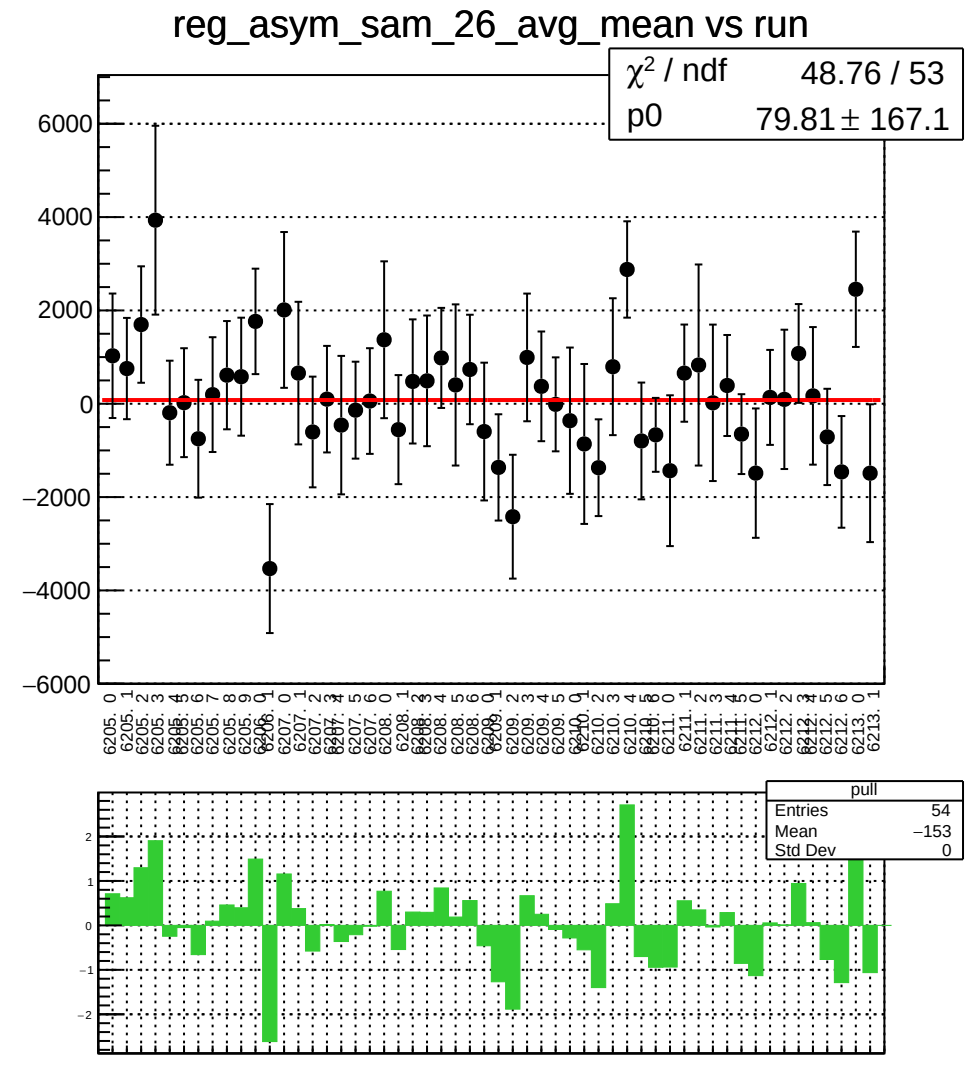

asym_sam_15_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 54.13 / 53
p0 0.04731 ± 0.02684
pull
Entries 54
Mean 233
Std Dev 0
pull1D
Entries 54
Mean 0.01432
Std Dev 1.001

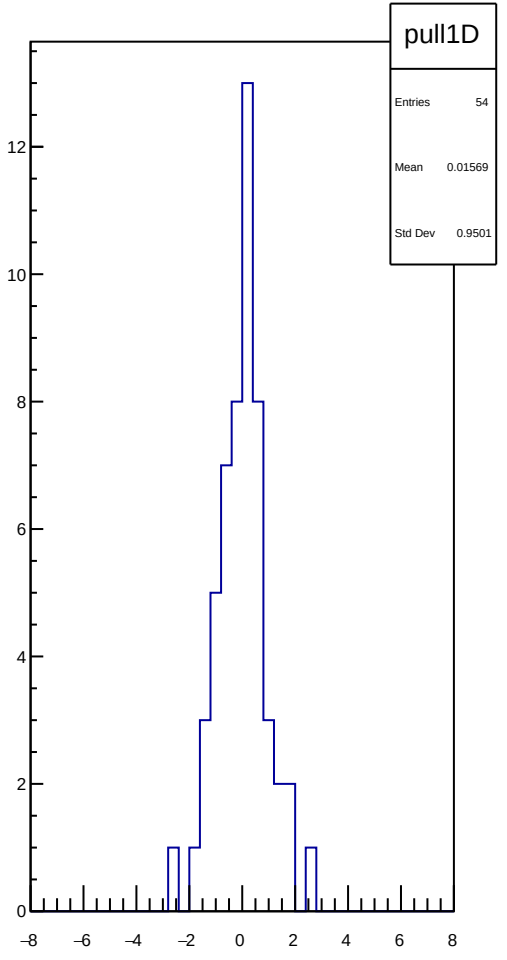

asym_sam_15_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.067e+04 / 53
p0 18.68 ± 0.01898
90
80
70
60
50
40
30
20
10
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

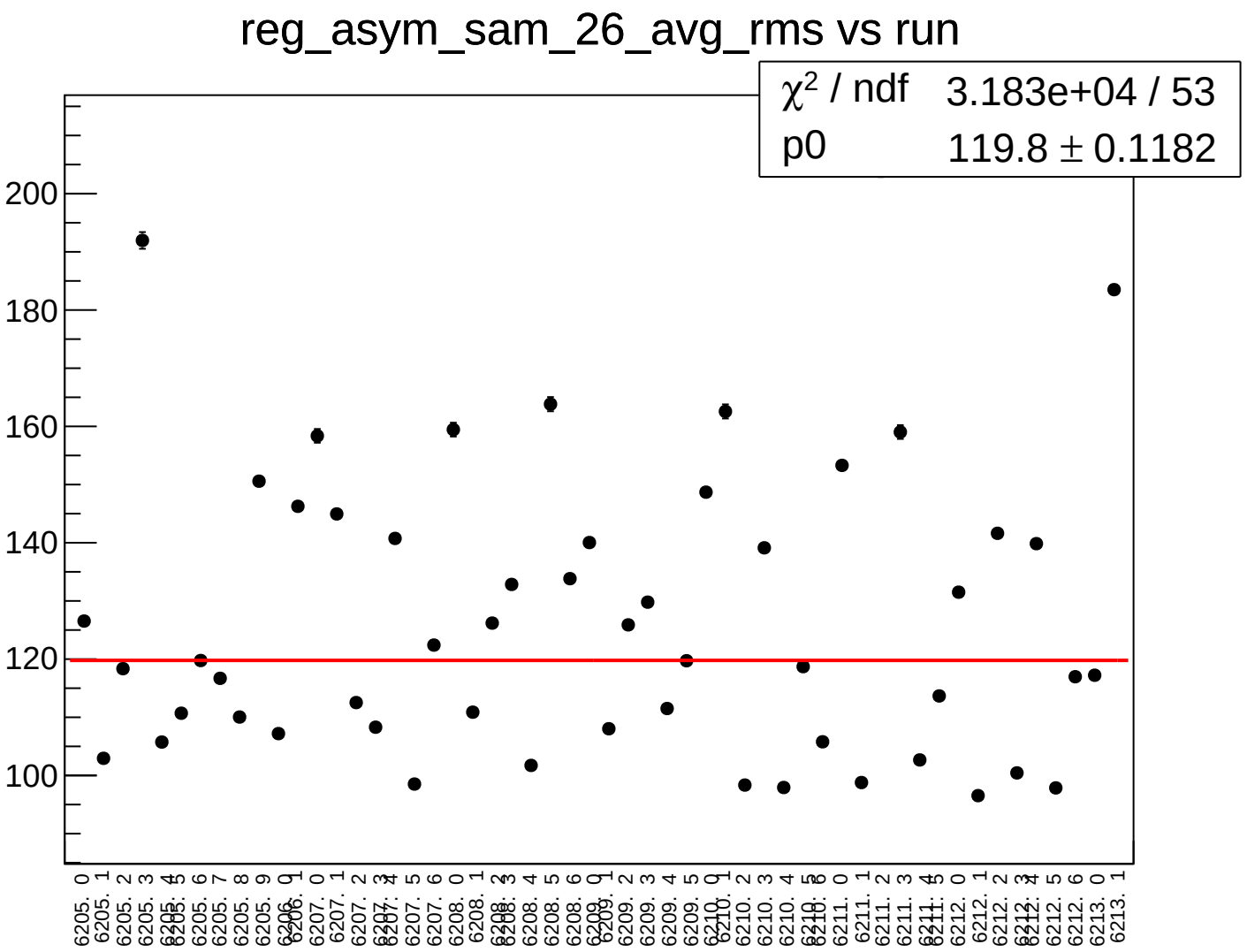

asym_sam_15_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 61.17 / 53
p0 −6.271e−15 ± 1.661e−14
pull
Entries 54
Mean 33.75
Std Dev 17.76

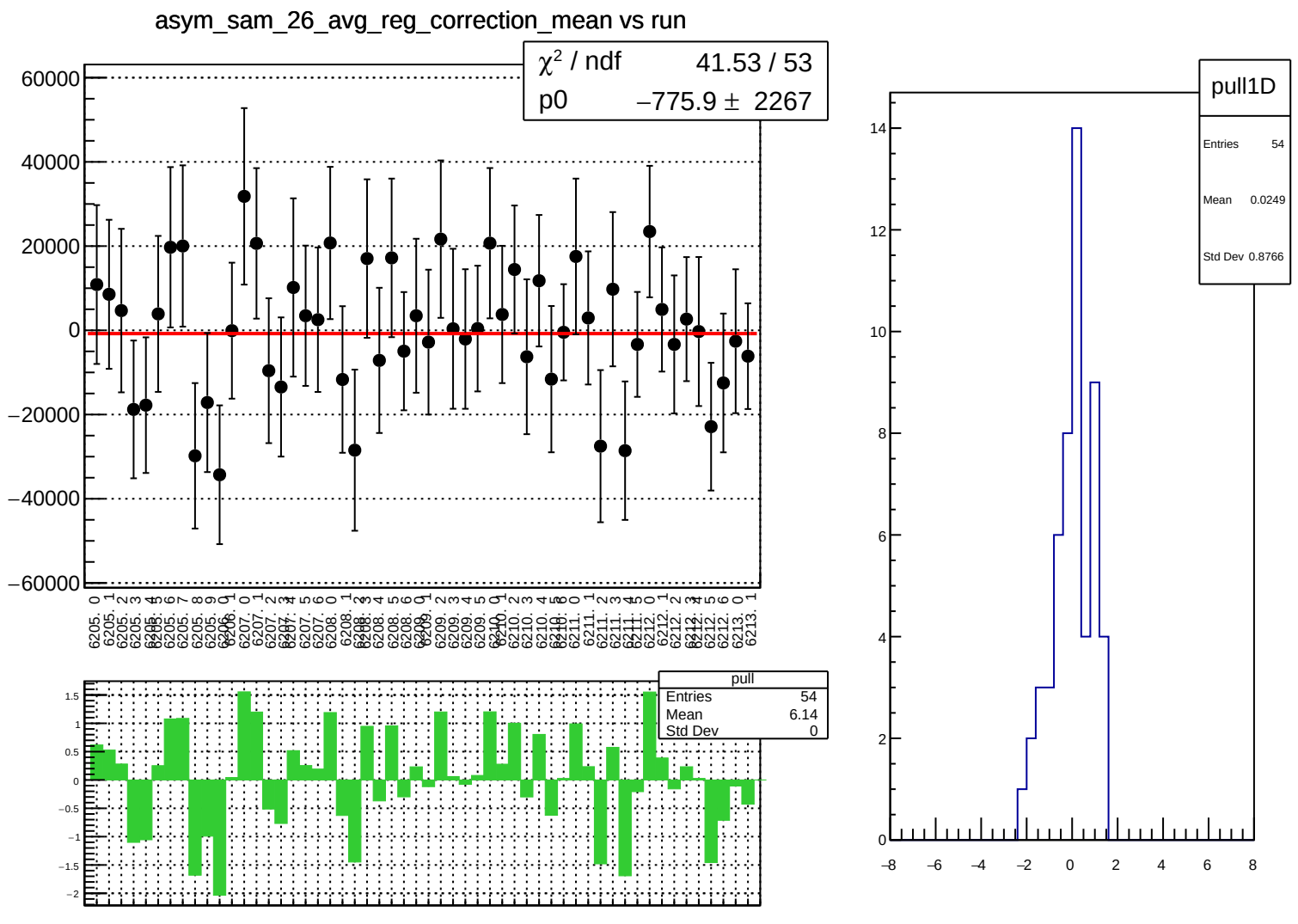

pull1D
Entries 54
Mean −0.2291
Std Dev 1.039

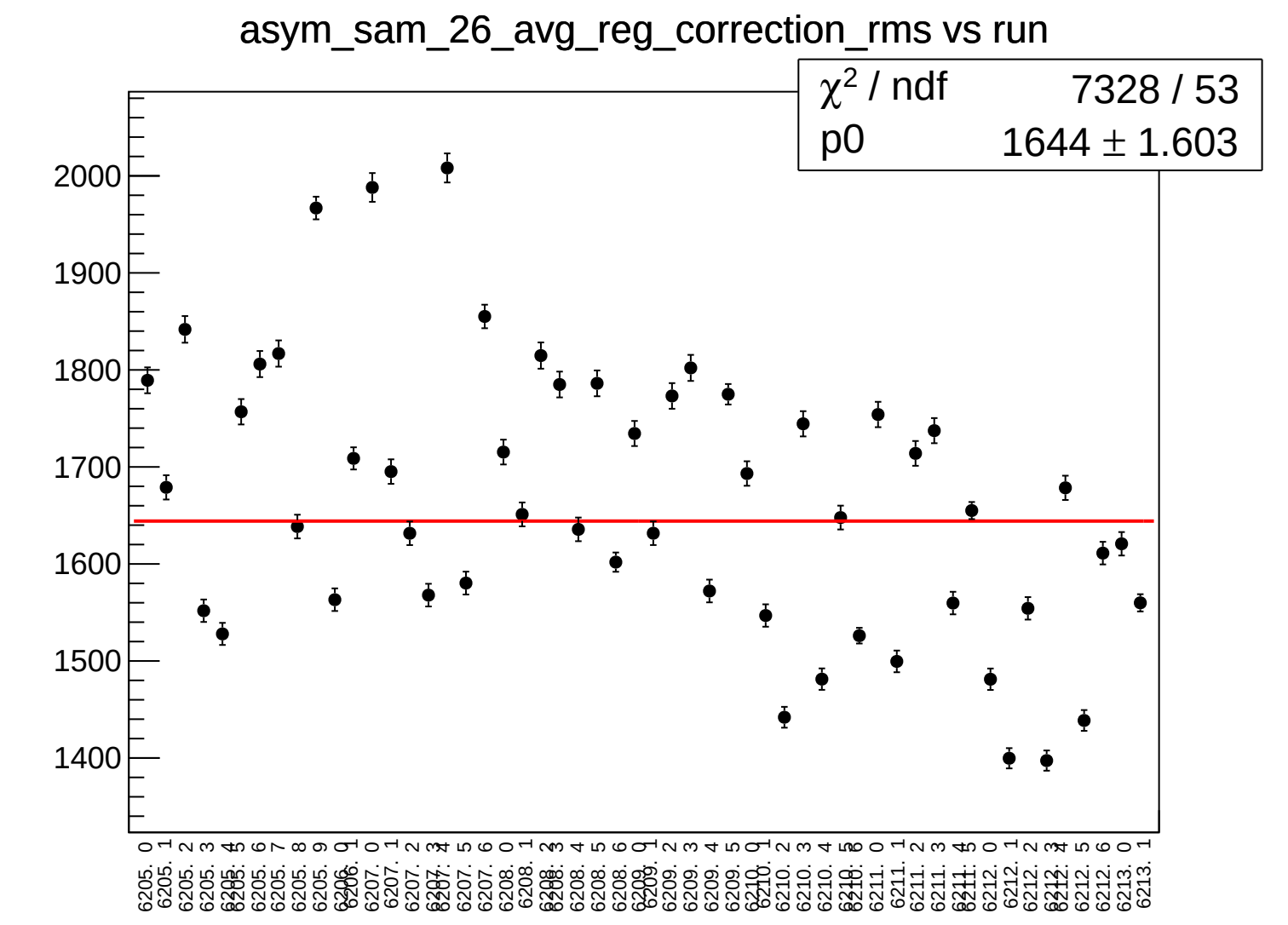

asym_sam_15_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 6.041e+05 / 53
p0 7.925e−12 ± 1.174e−14
70
60
50
40
30
20
10
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 1
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 1
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

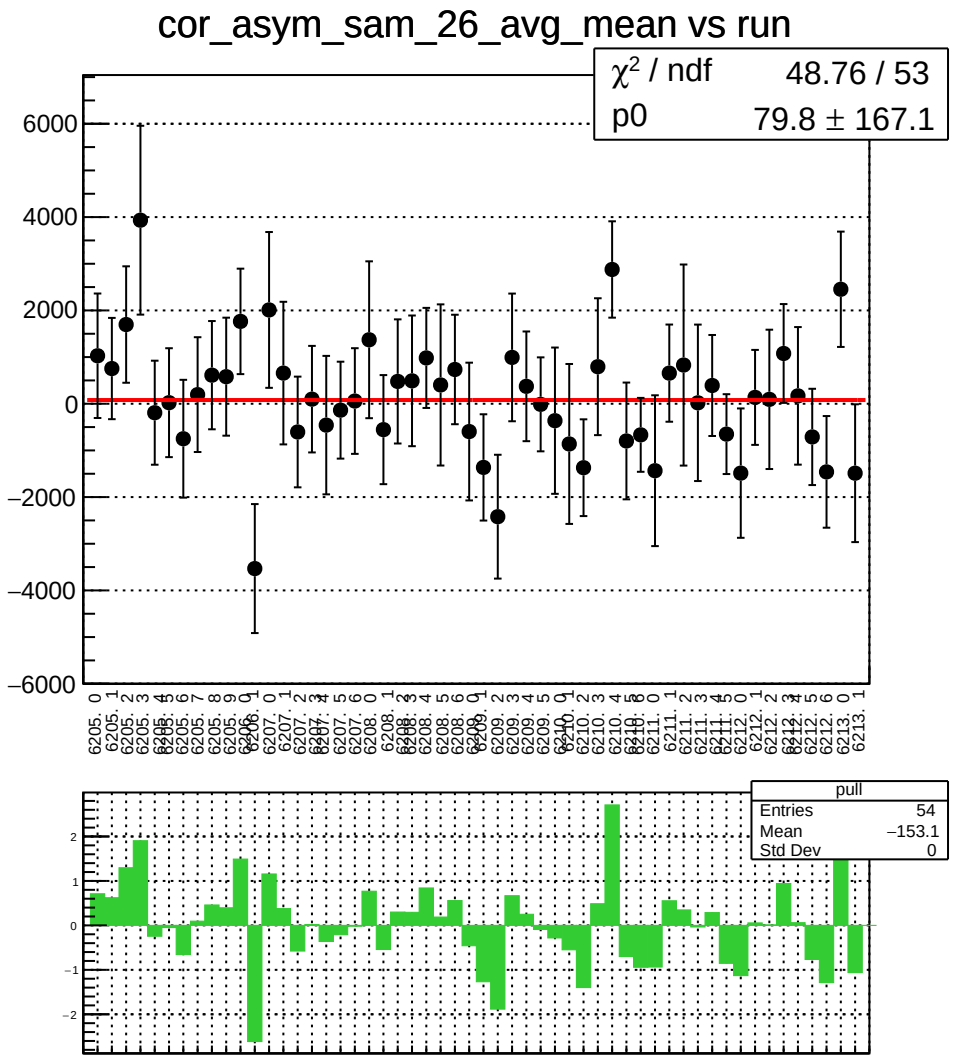

reg_asym_sam_26_avg_mean vs run
χ² / ndf 48.76 / 53
p0 79.81 ± 167.1
pull
Entries 54
Mean −153
Std Dev 0

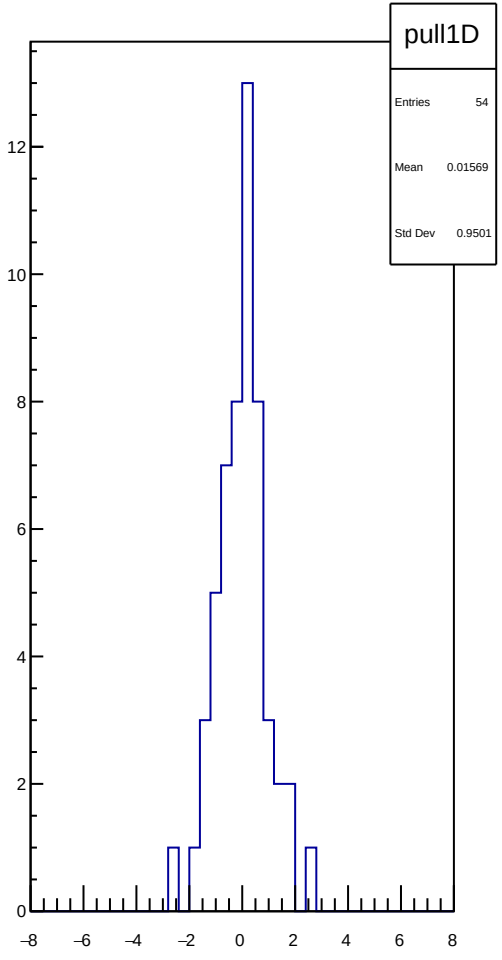

pull1D
Entries 54
Mean 0.01569
Std Dev 0.9501

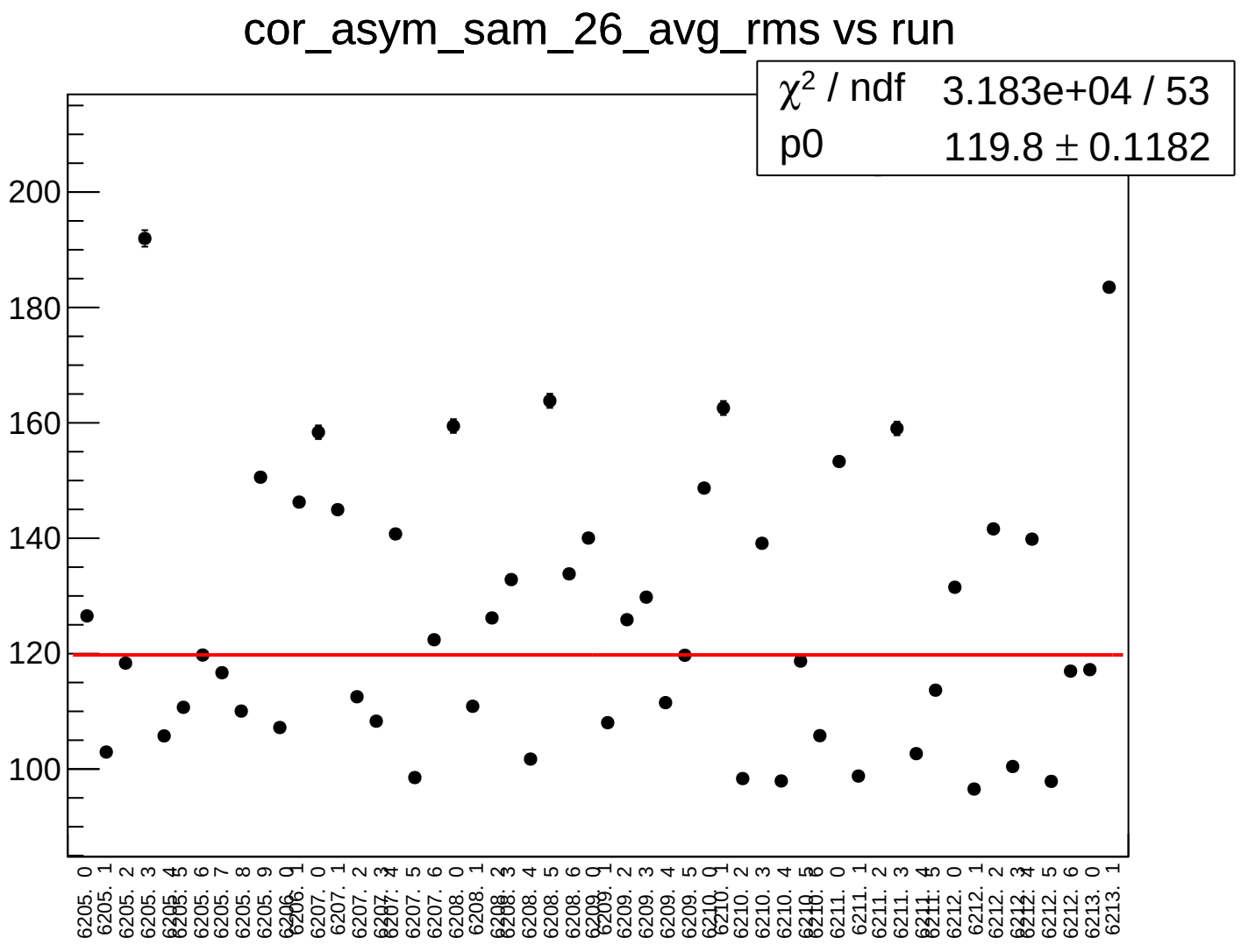

reg_asym_sam_26_avg_rms vs run
χ² / ndf 3.183e+04 / 53
p0 119.8 ± 0.1182
200
180
160
140
120
100
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

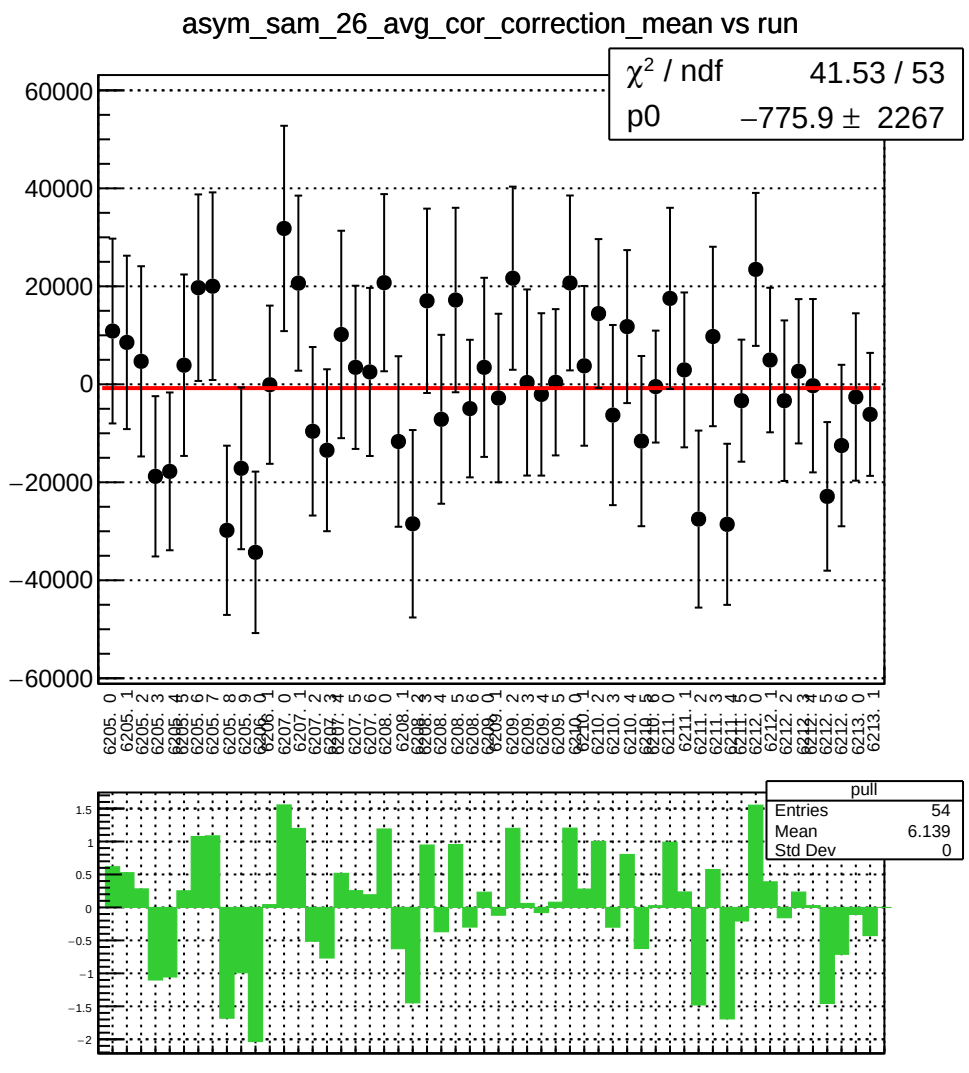

asym_sam_26_avg_reg_correction_mean vs run
χ² / ndf 41.53 / 53
p0 −775.9 ± 2267
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 6.14
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 54
Mean 0.0249
Std Dev 0.8766
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

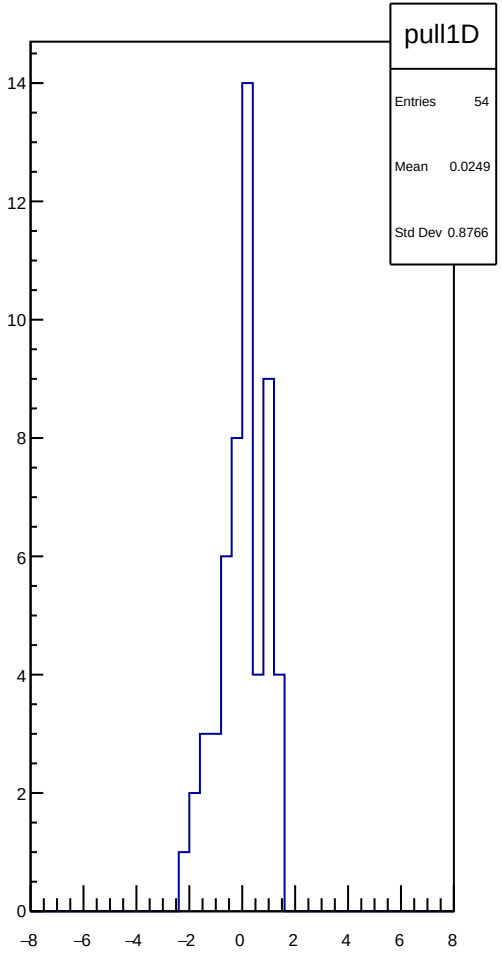

asym_sam_26_avg_reg_correction_rms vs run
χ² / ndf 7328 / 53
p0 1644 ± 1.603
2000
1900
1800
1700
1600
1500
1400
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

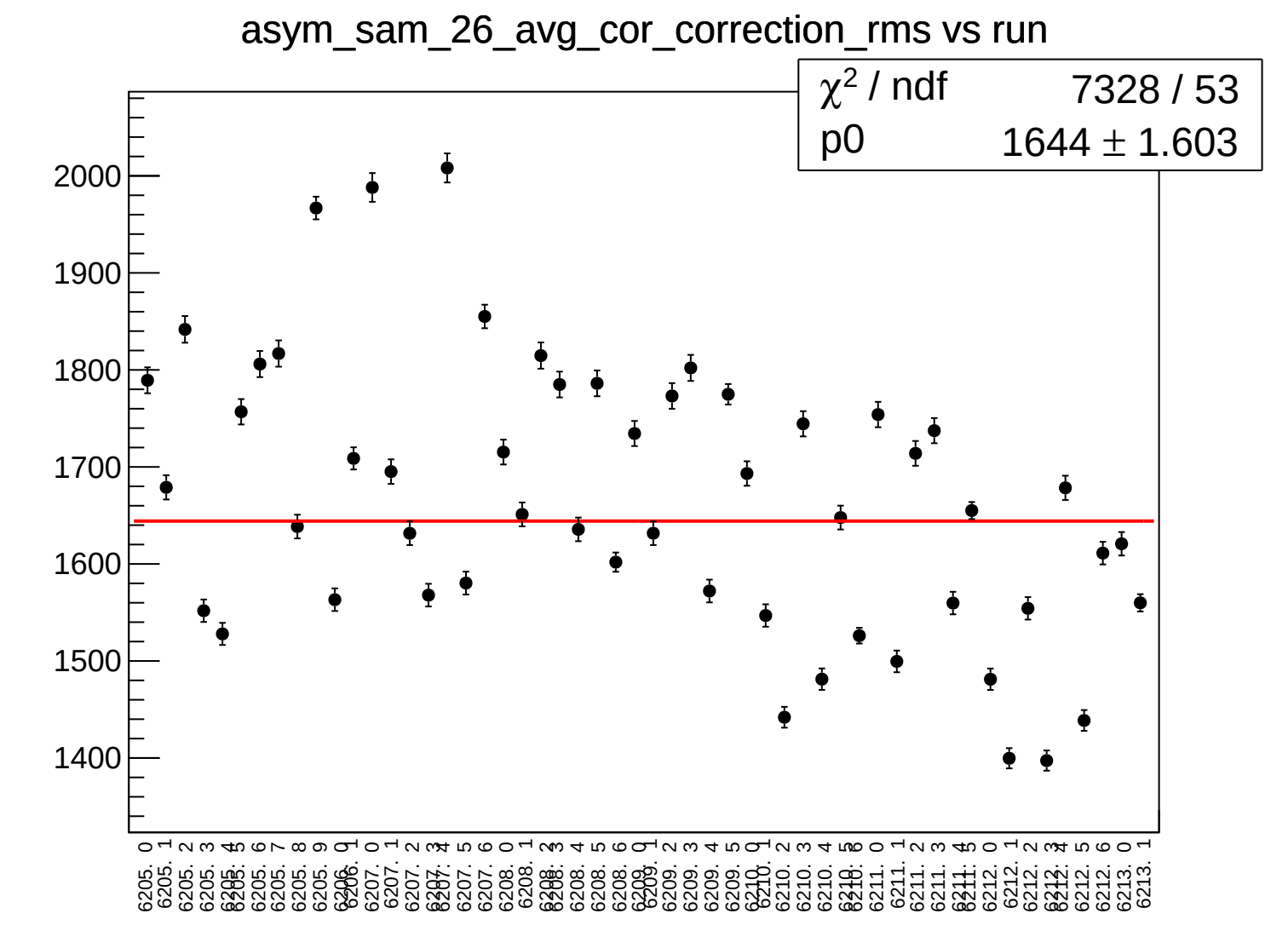

cor_asym_sam_26_avg_mean vs run
χ² / ndf 48.76 / 53
p0 79.8 ± 167.1
pull
Entries 54
Mean −153.1
Std Dev 0

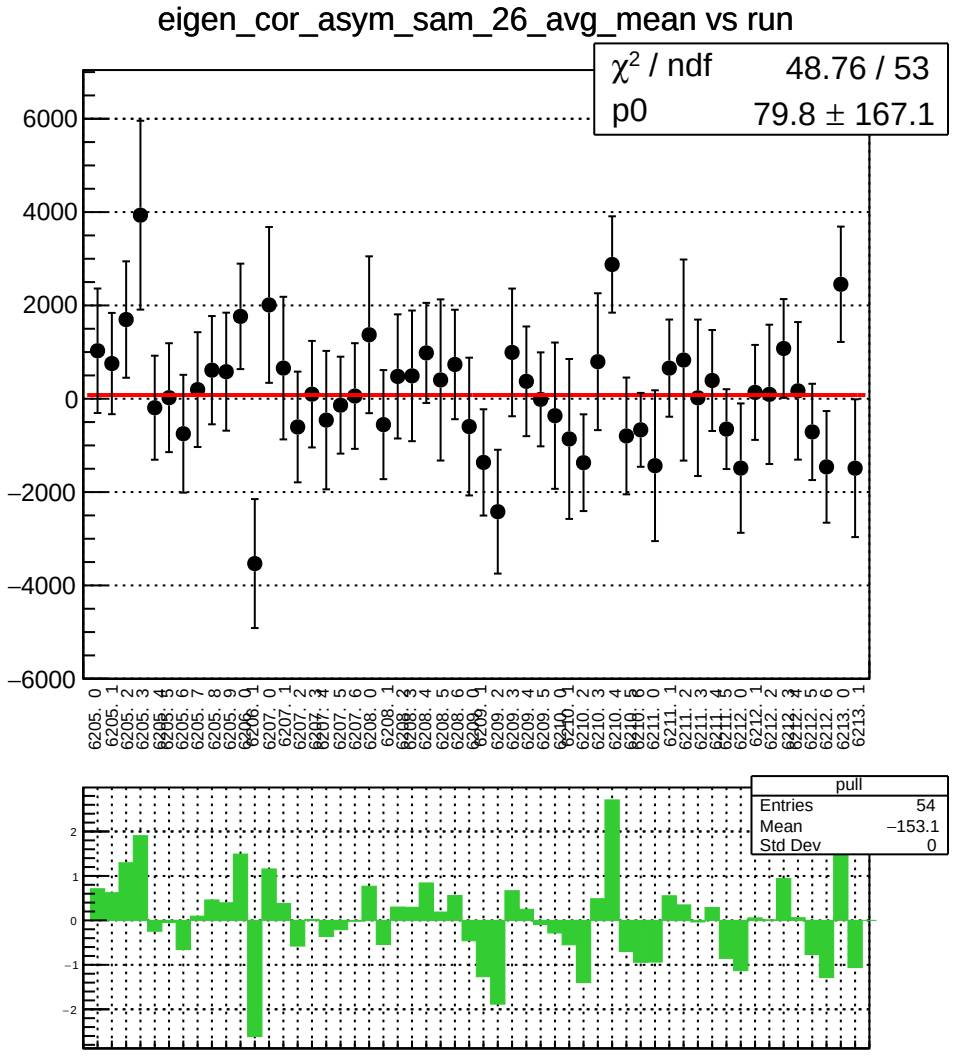

pull1D
Entries 54
Mean 0.01569
Std Dev 0.9501

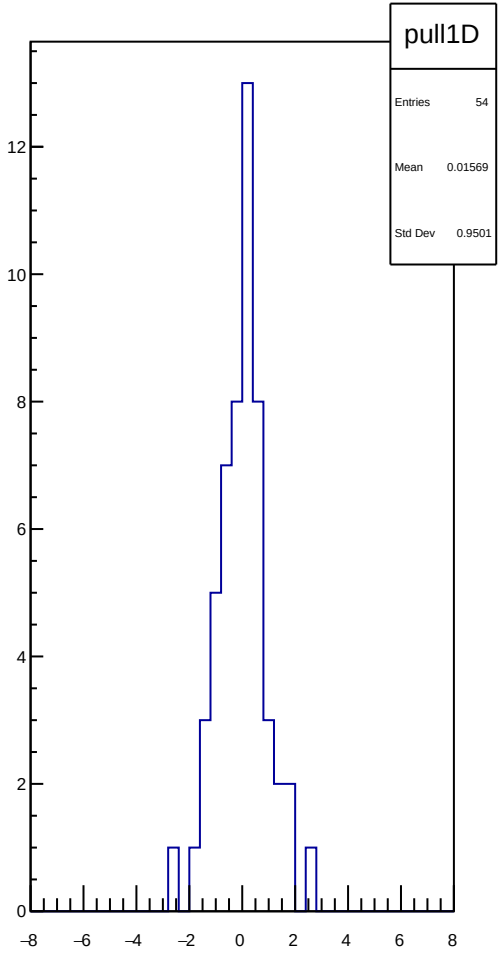

cor_asym_sam_26_avg_rms vs run
χ² / ndf 3.183e+04 / 53
p0 119.8 ± 0.1182
200
180
160
140
120
100
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

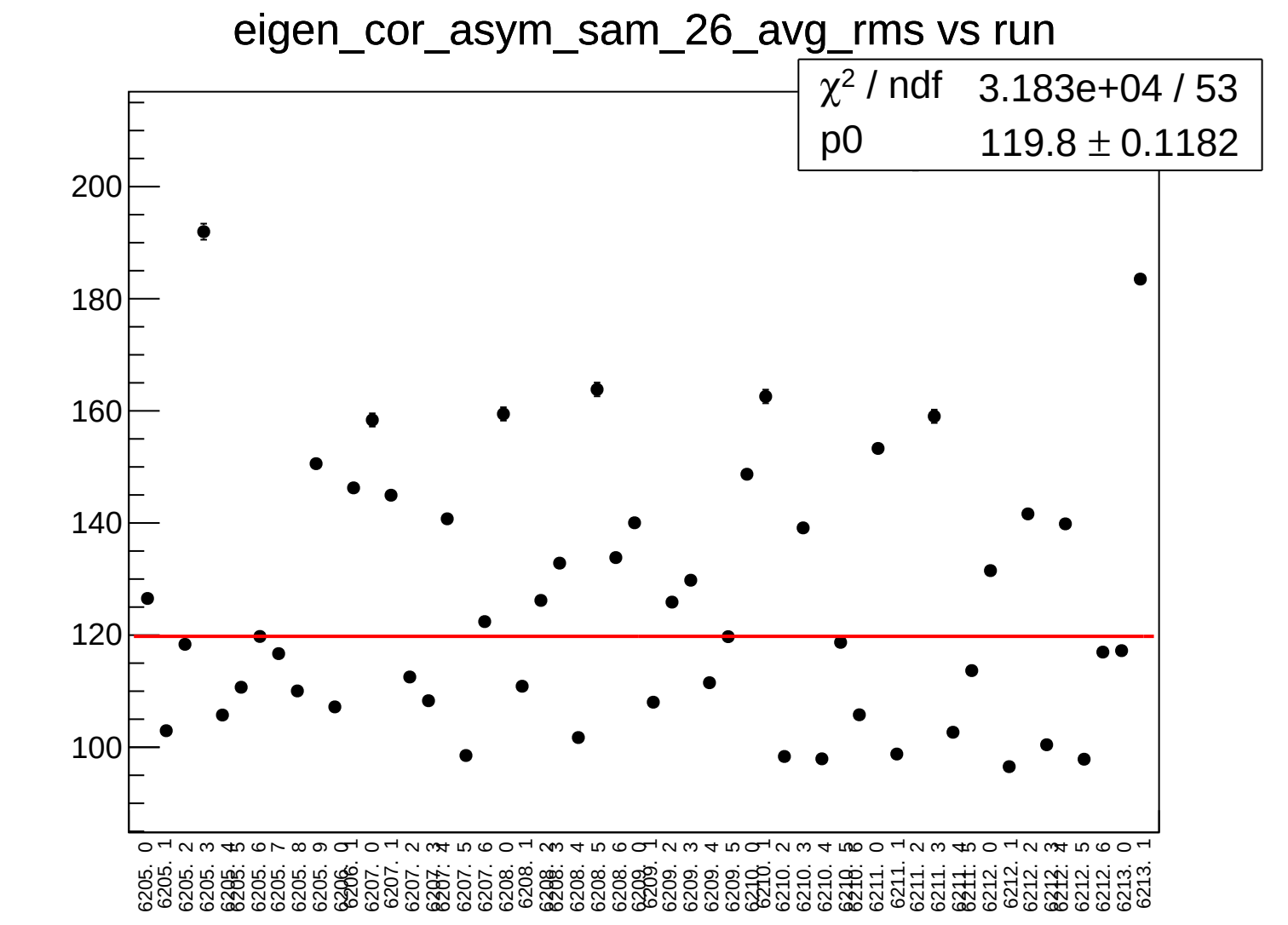

asym_sam_26_avg_cor_correction_mean vs run
χ² / ndf 41.53 / 53
p0 −775.9 ± 2267
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 6.139
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

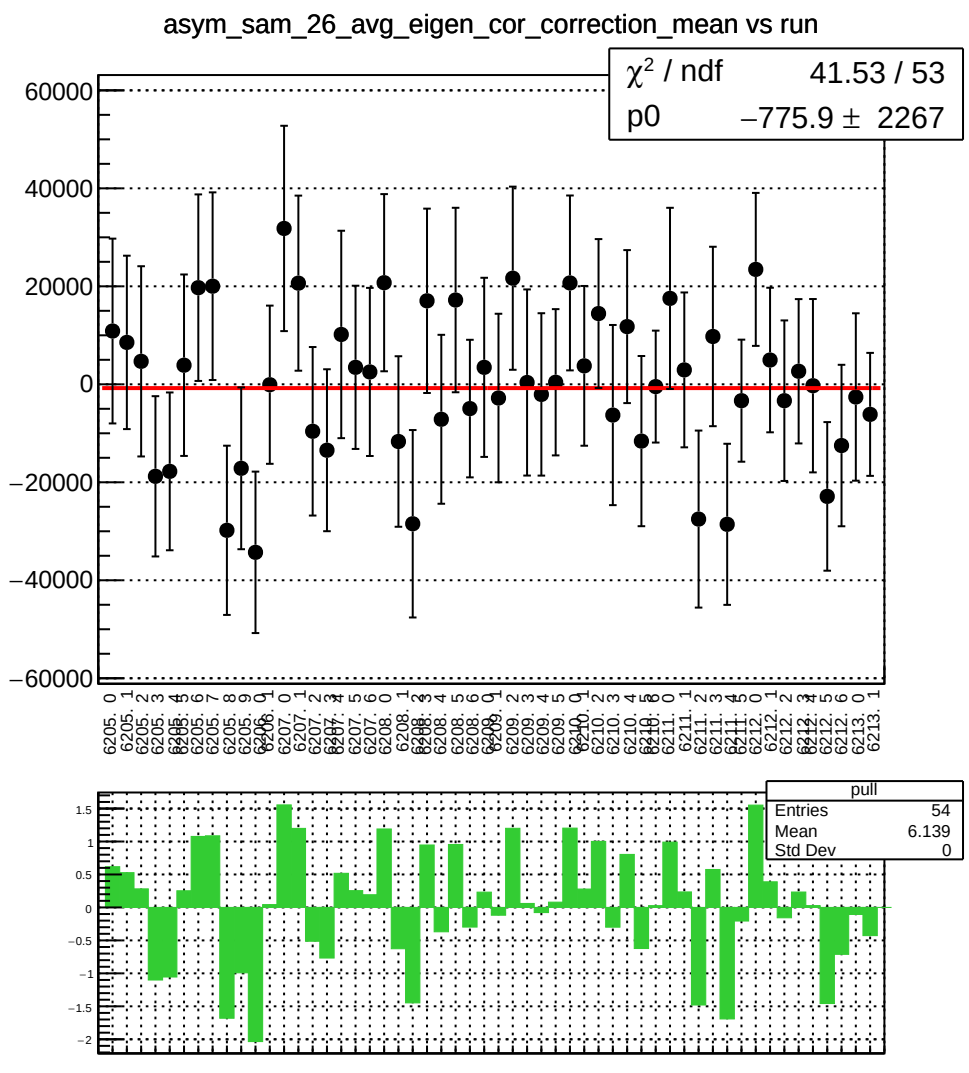

pull1D
Entries 54
Mean 0.0249
Std Dev 0.8766
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

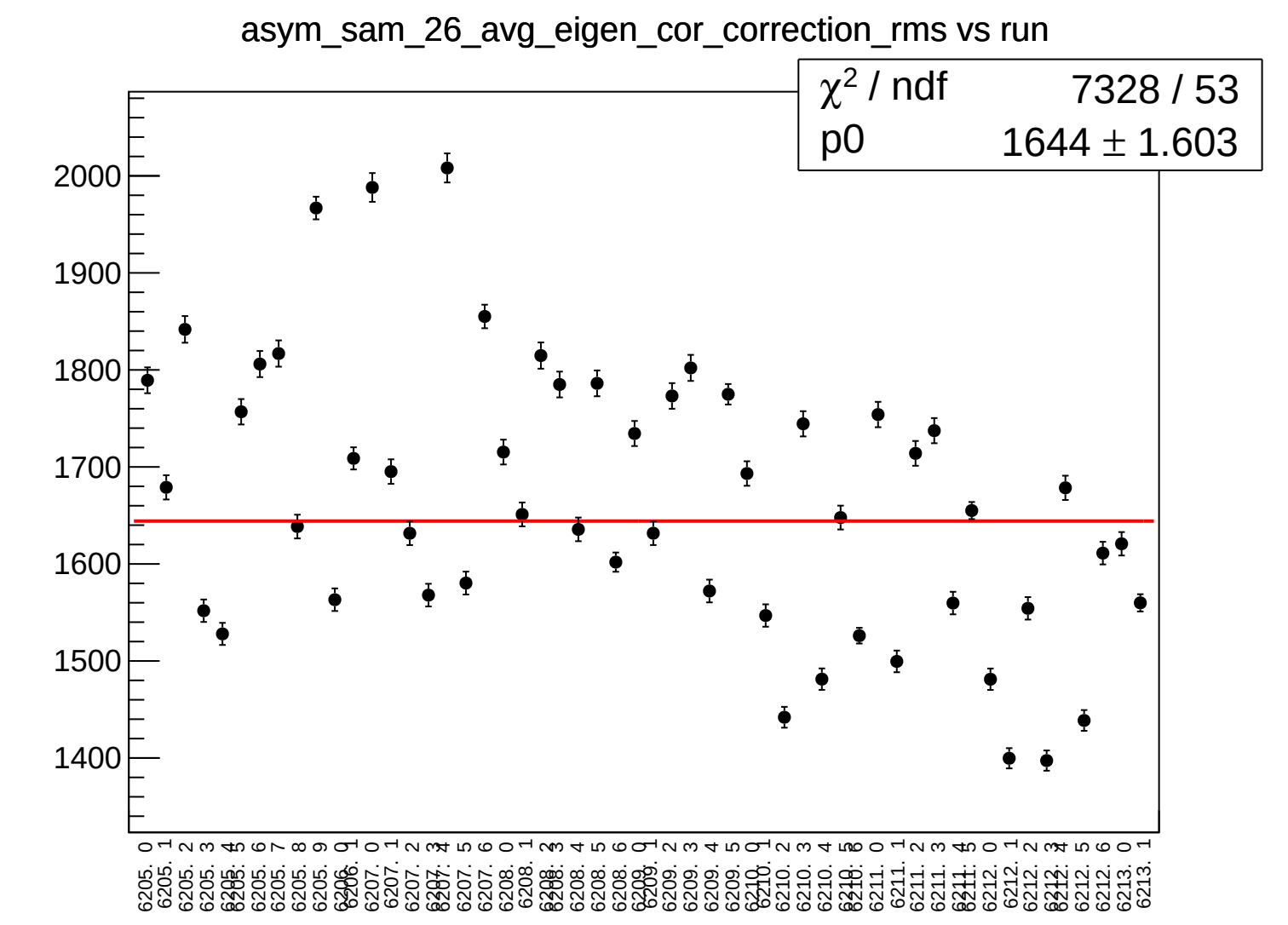

asym_sam_26_avg_cor_correction_rms vs run
χ² / ndf 7328 / 53
p0 1644 ± 1.603
2000
1900
1800
1700
1600
1500
1400
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

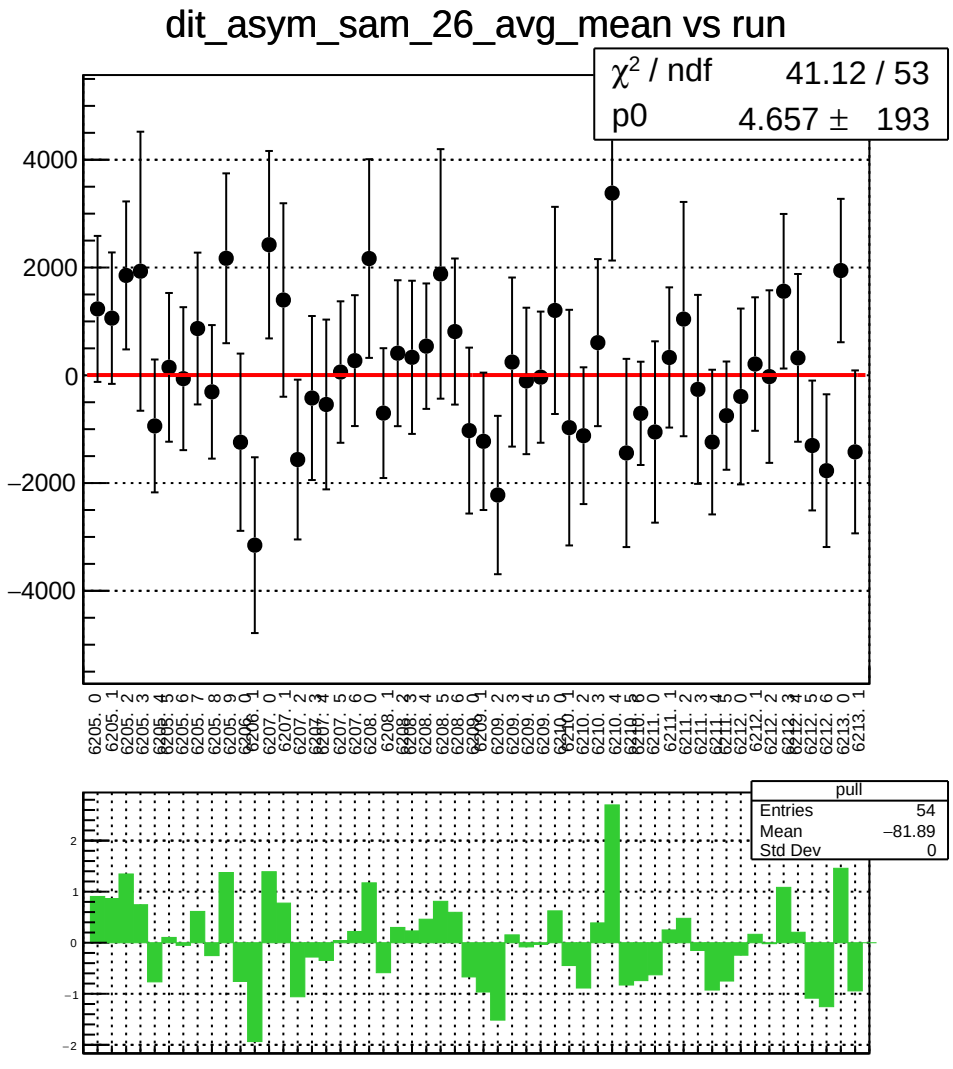

eigen_cor_asym_sam_26_avg_mean vs run
χ² / ndf 48.76 / 53
p0 79.8 ± 167.1
pull
Entries 54
Mean −153.1
Std Dev 0

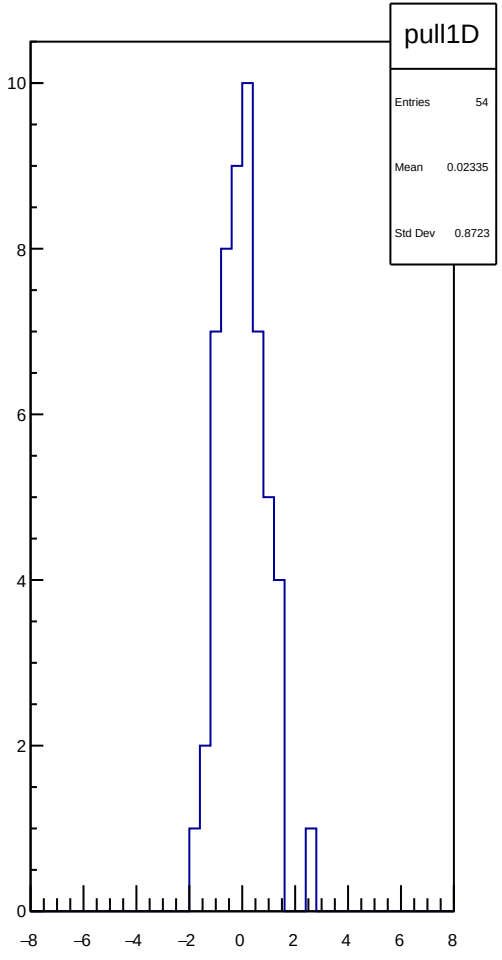

pull1D
Entries 54
Mean 0.01569
Std Dev 0.9501

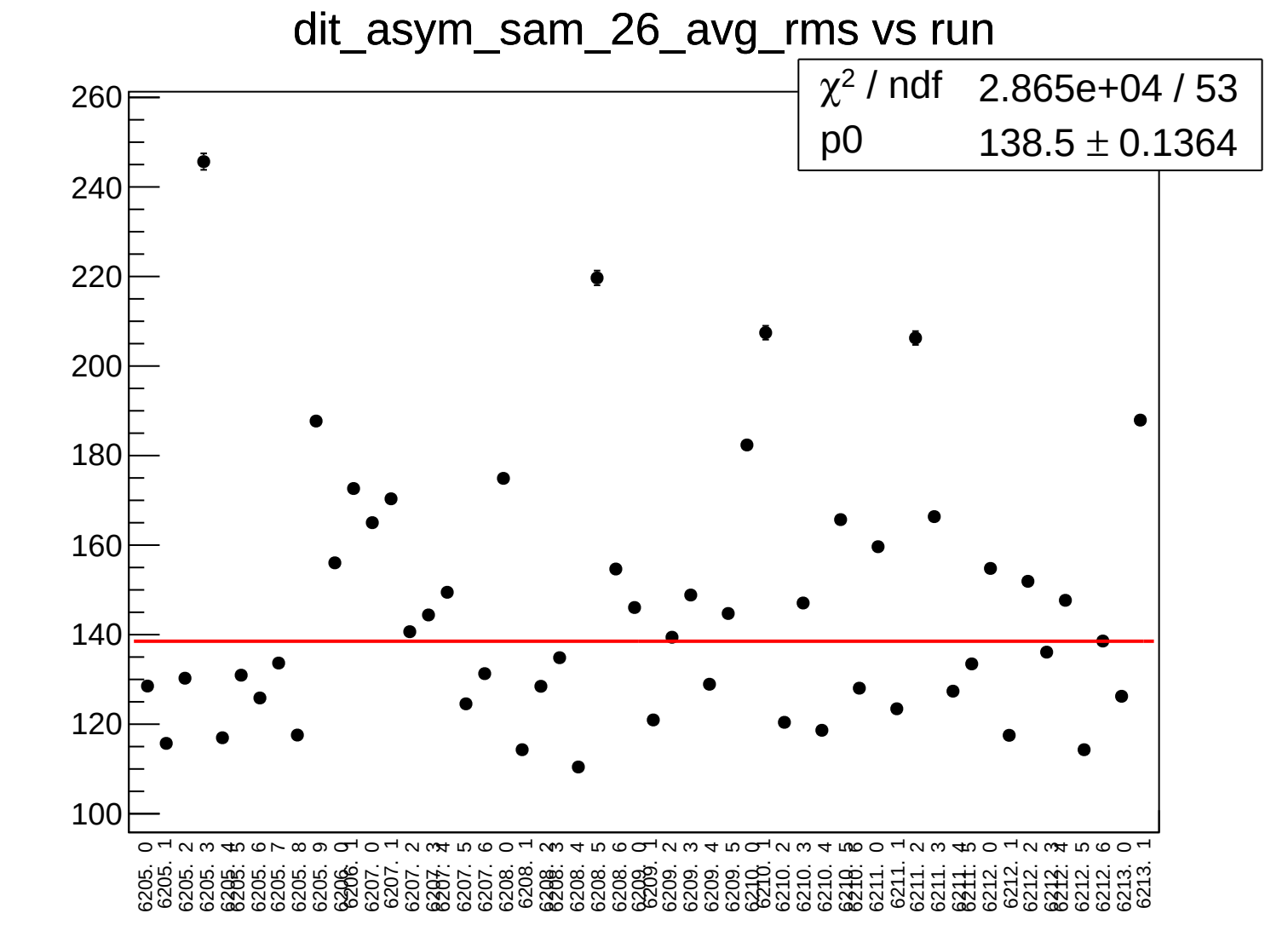

eigen_cor_asym_sam_26_avg_rms vs run
χ² / ndf 3.183e+04 / 53
p0 119.8 ± 0.1182
200
180
160
140
120
100
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

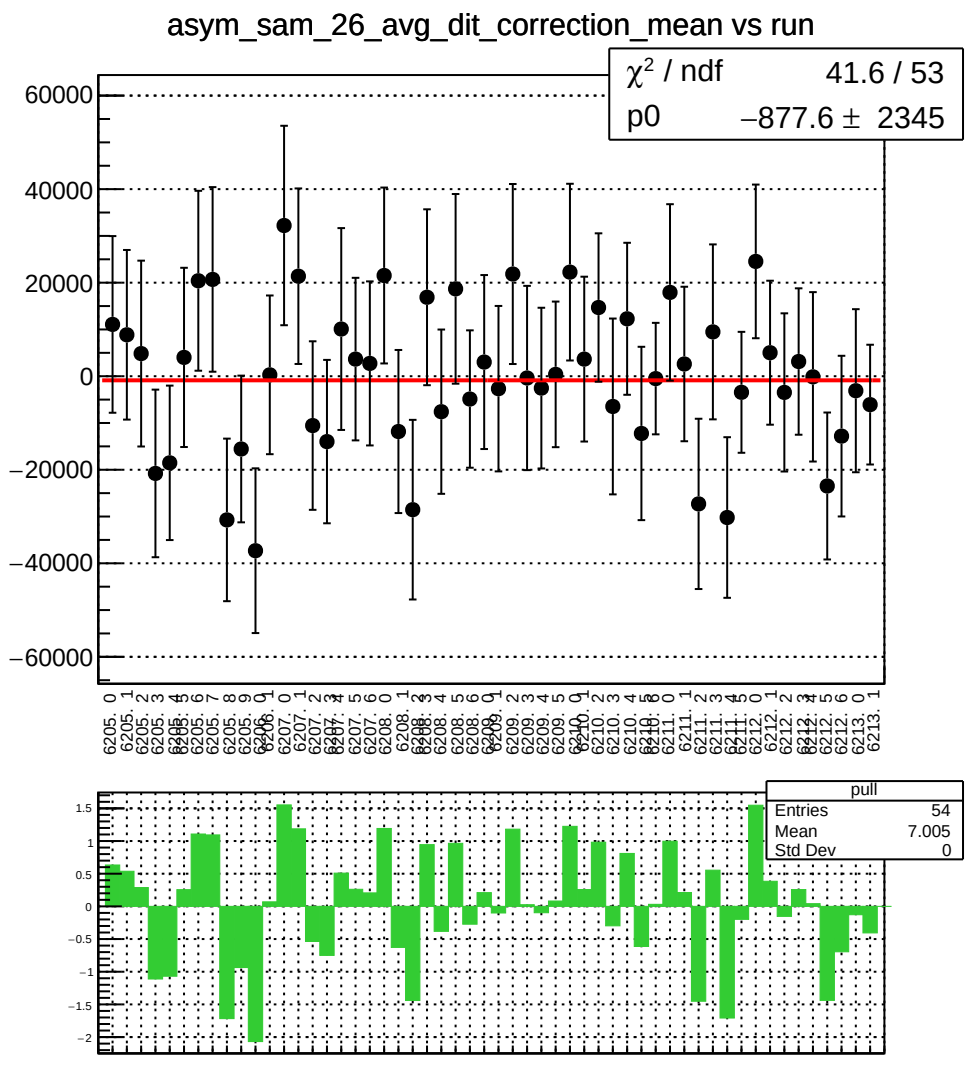

asym_sam_26_avg_eigen_cor_correction_mean vs run
χ² / ndf 41.53 / 53
p0 −775.9 ± 2267
pull
Entries 54
Mean 6.139
Std Dev 0
pull1D
Entries 54
Mean 0.0249
Std Dev 0.8766

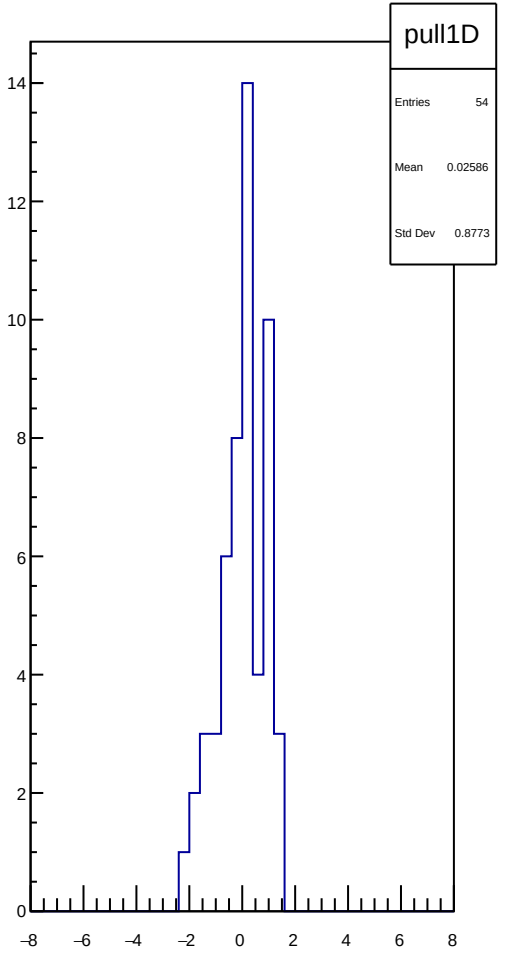

asym_sam_26_avg_eigen_cor_correction_rms vs run
χ² / ndf 7328 / 53
p0 1644 ± 1.603
2000
1900
1800
1700
1600
1500
1400
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

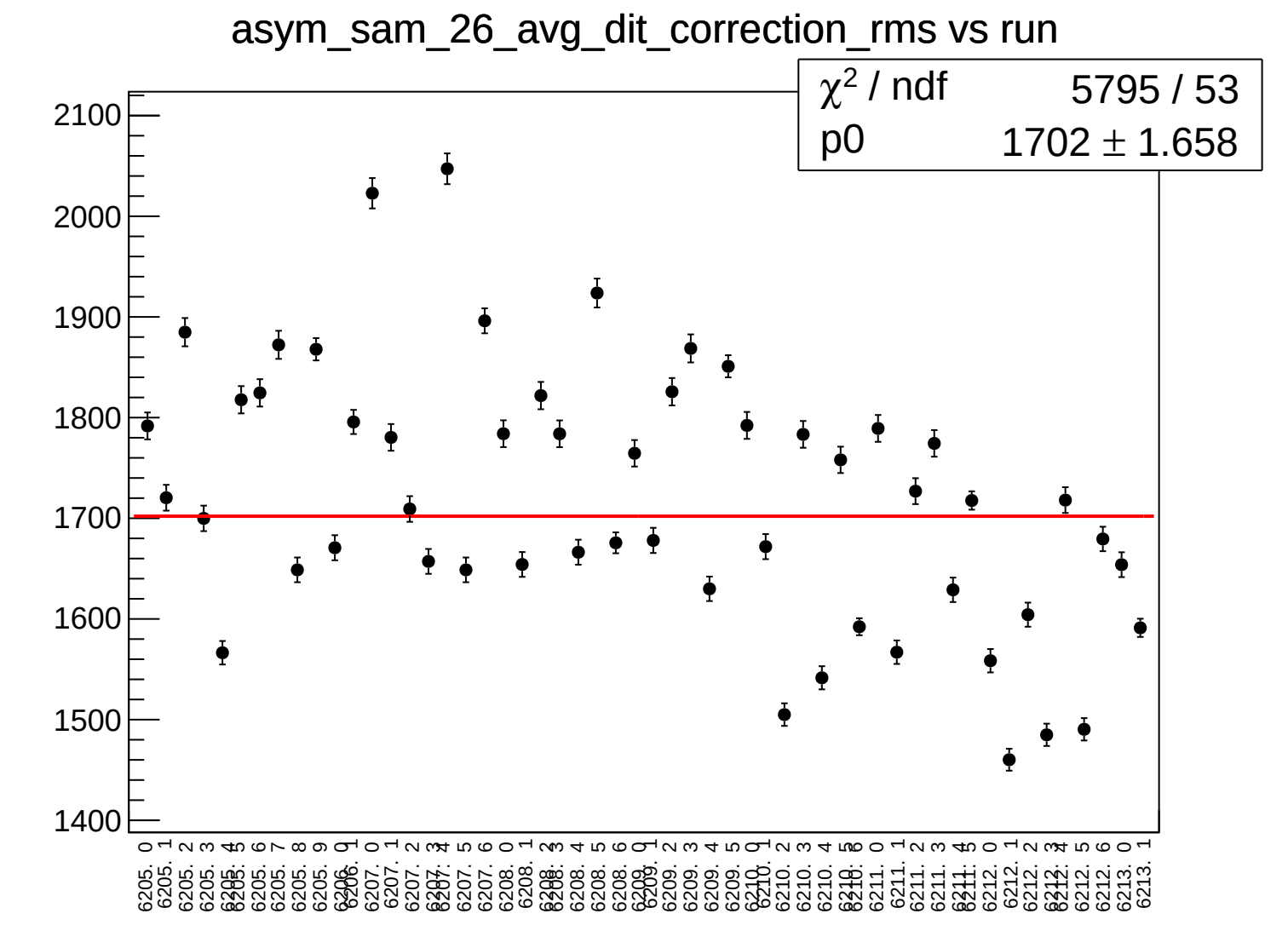

dit_asym_sam_26_avg_mean vs run
χ² / ndf 41.12 / 53
p0 4.657 ± 193
4000
2000
0
−2000
−4000
pull
Entries 54
Mean −81.89
Std Dev 0
2
1
0
−1
−2

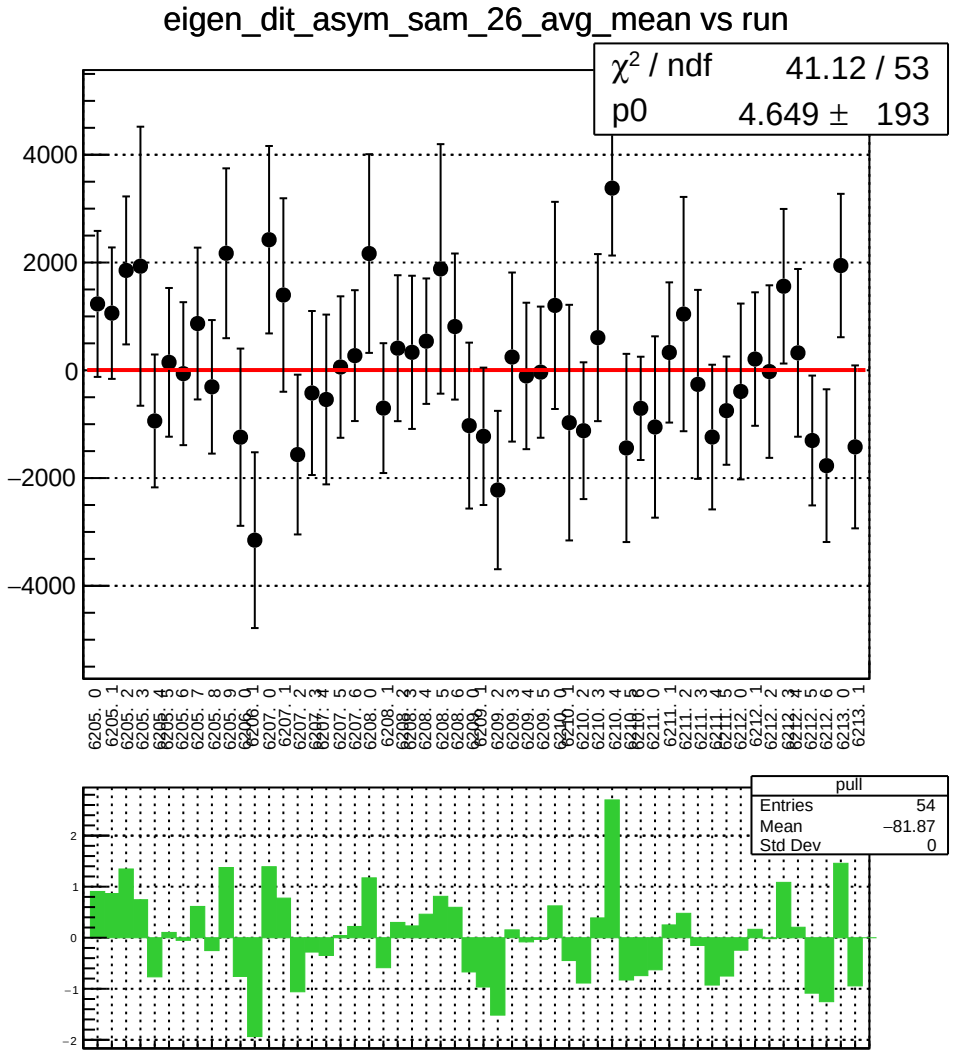

pull1D
Entries 54
Mean 0.02335
Std Dev 0.8723
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

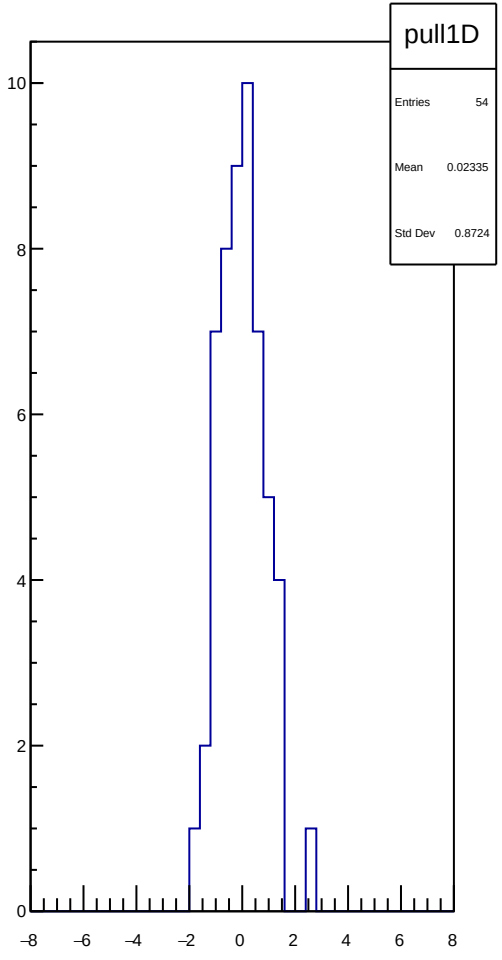

dit_asym_sam_26_avg_rms vs run
χ² / ndf 2.865e+04 / 53
p0 138.5 ± 0.1364
260
240
220
200
180
160
140
120
100
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

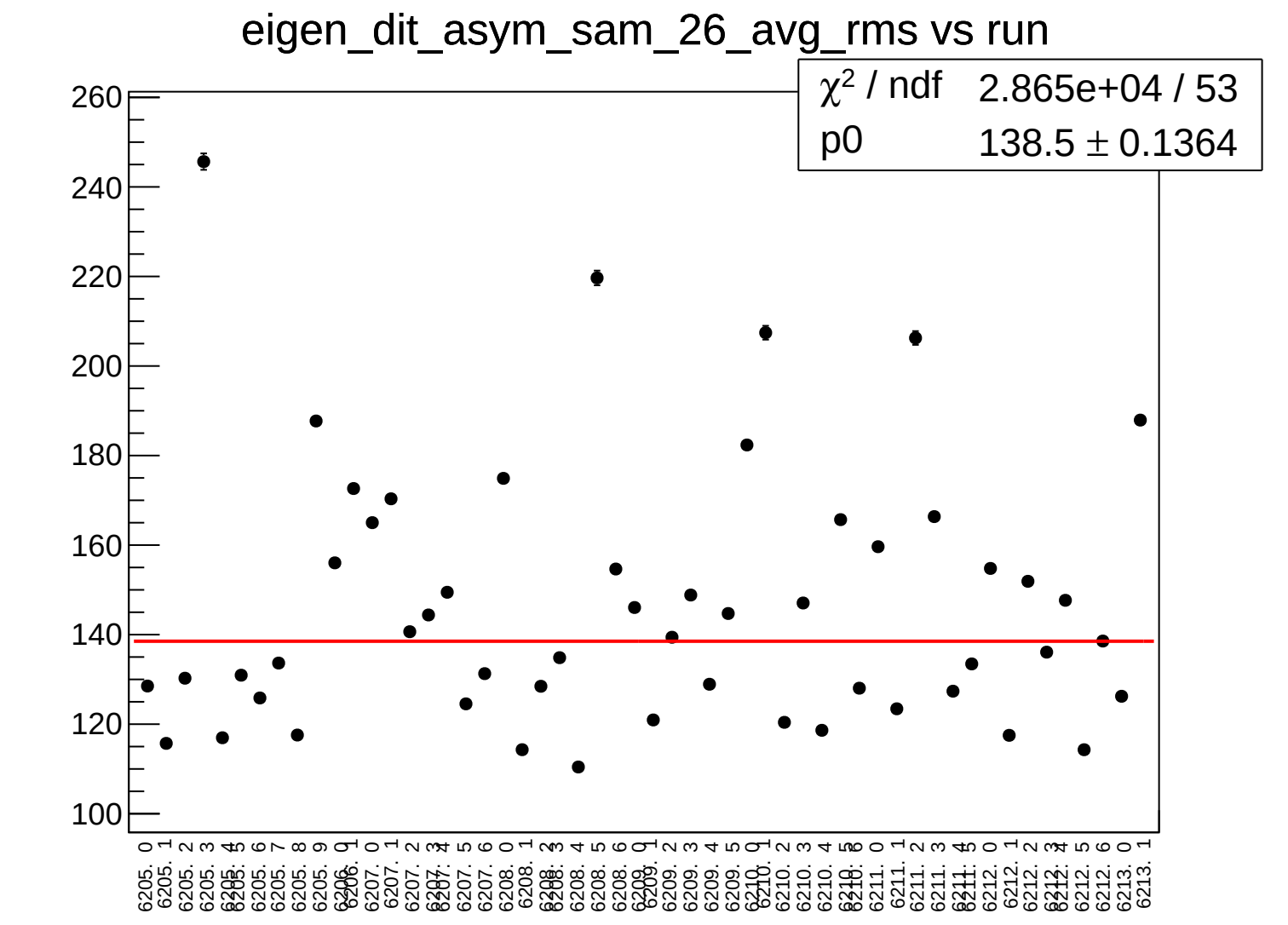

asym_sam_26_avg_dit_correction_mean vs run
χ² / ndf 41.6 / 53
p0 −877.6 ± 2345
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 7.005
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

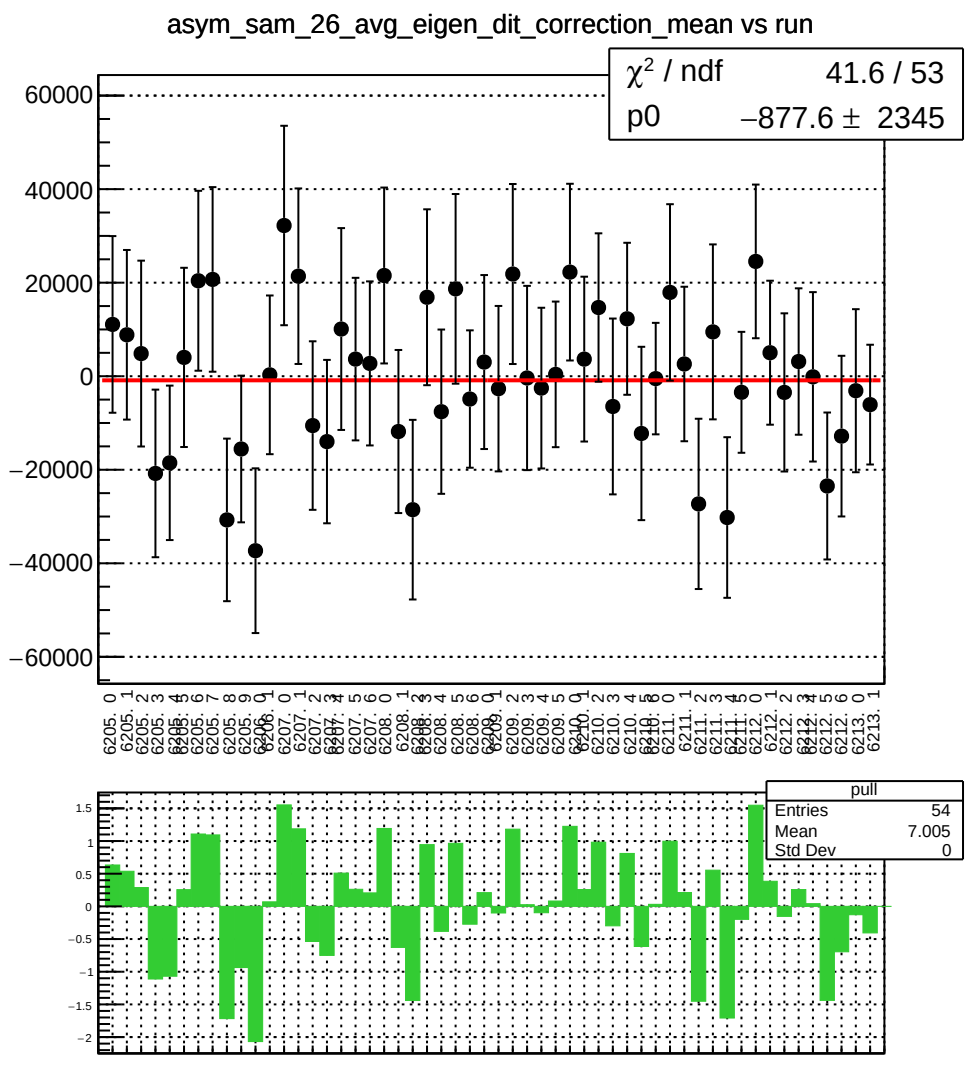

pull1D
Entries 54
Mean 0.02586
Std Dev 0.8773
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

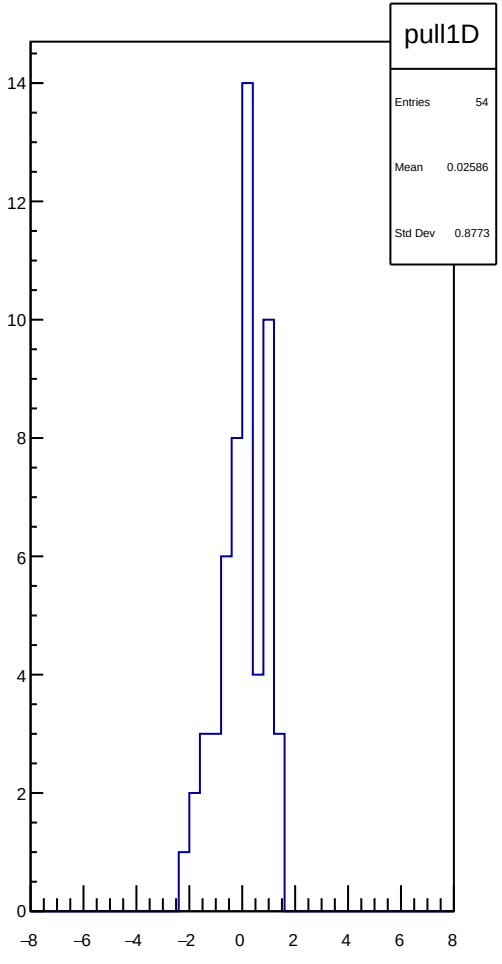

asym_sam_26_avg_dit_correction_rms vs run
χ² / ndf 5795 / 53
p0 1702 ± 1.658
2100
2000
1900
1800
1700
1600
1500
1400
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

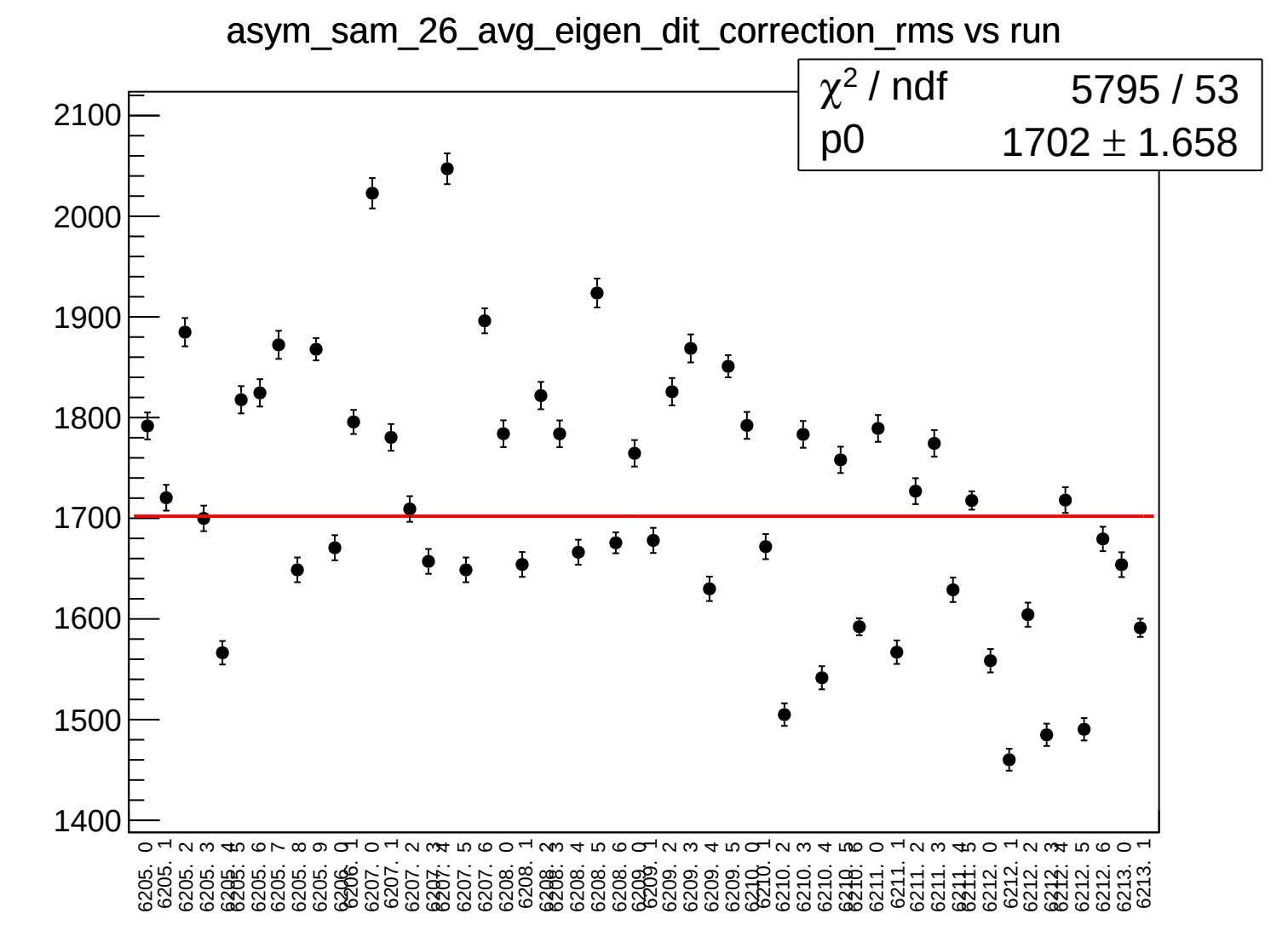

eigen_dit_asym_sam_26_avg_mean vs run
χ² / ndf 41.12 / 53
p0 4.649 ± 193
4000
2000
0
−2000
−4000
pull
Entries 54
Mean −81.87
Std Dev 0
2
1
0
−1
−2

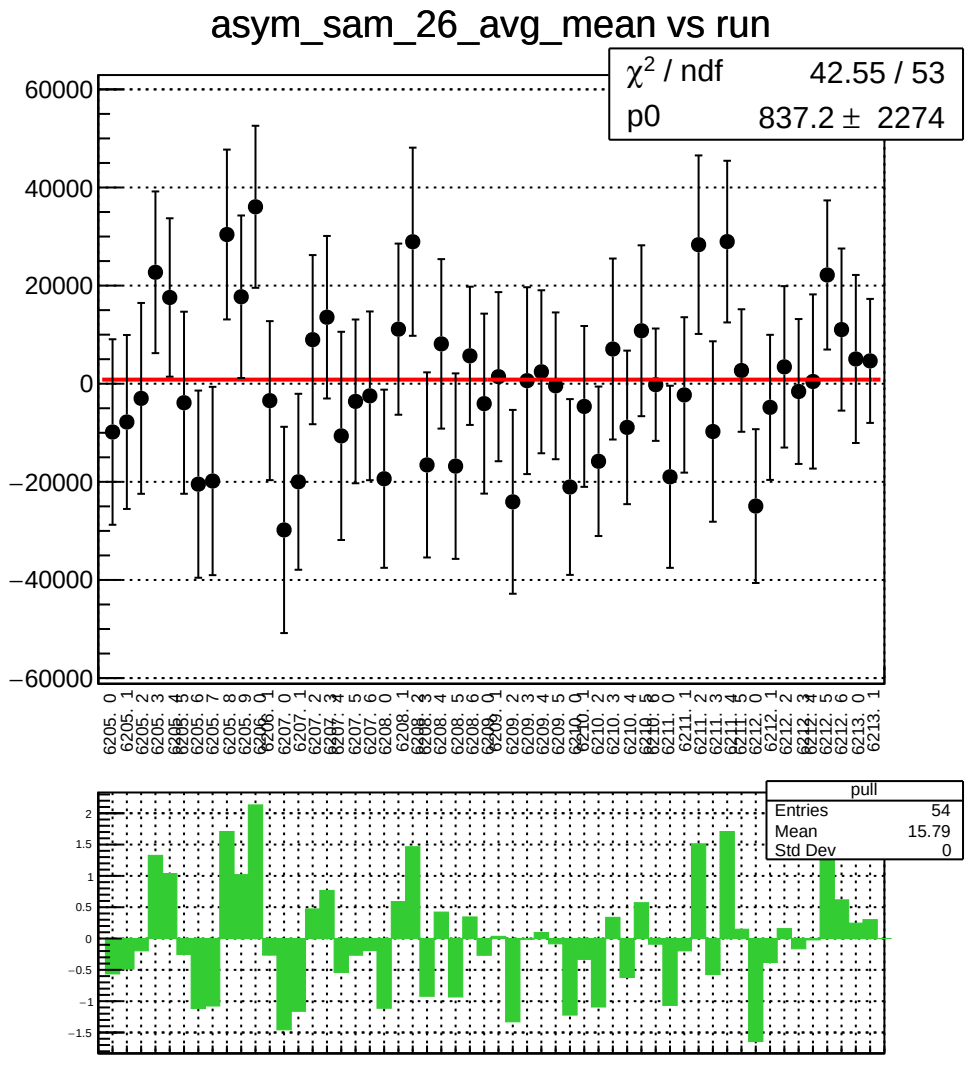

pull1D
Entries 54
Mean 0.02335
Std Dev 0.8724
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

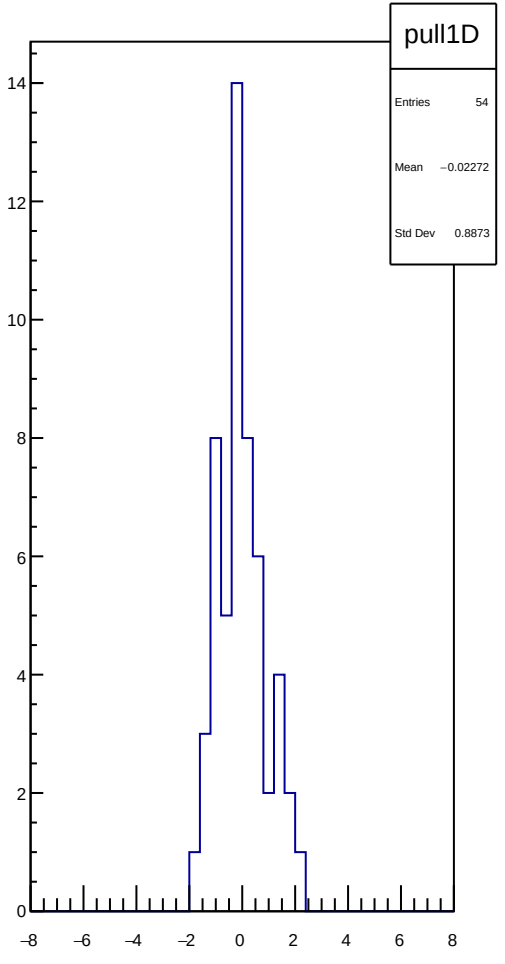

eigen_dit_asym_sam_26_avg_rms vs run
χ² / ndf 2.865e+04 / 53
p0 138.5 ± 0.1364
260
240
220
200
180
160
140
120
100
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

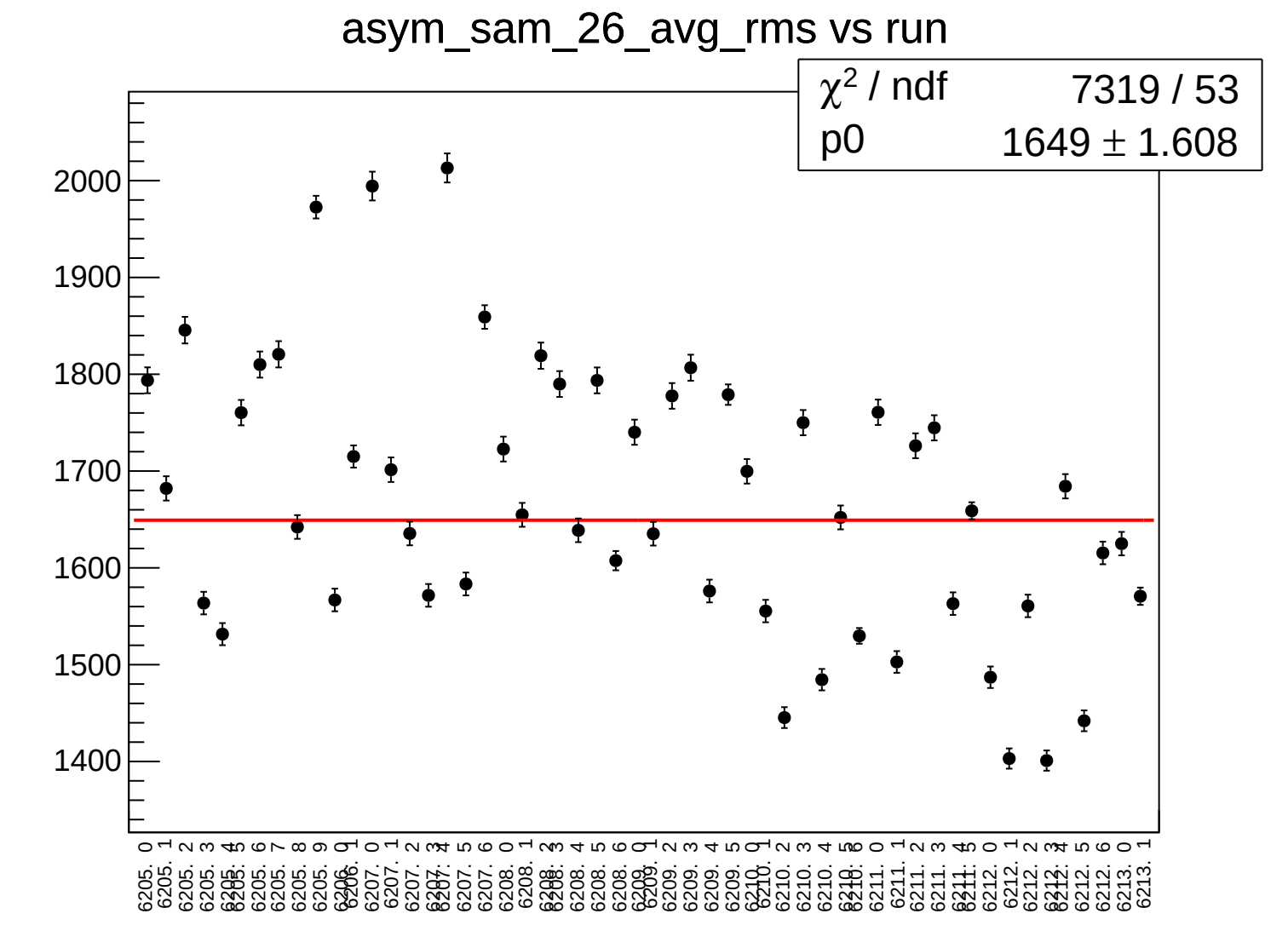

asym_sam_26_avg_eigen_dit_correction_mean vs run
χ² / ndf 41.6 / 53
p0 −877.6 ± 2345
pull
Entries 54
Mean 7.005
Std Dev 0

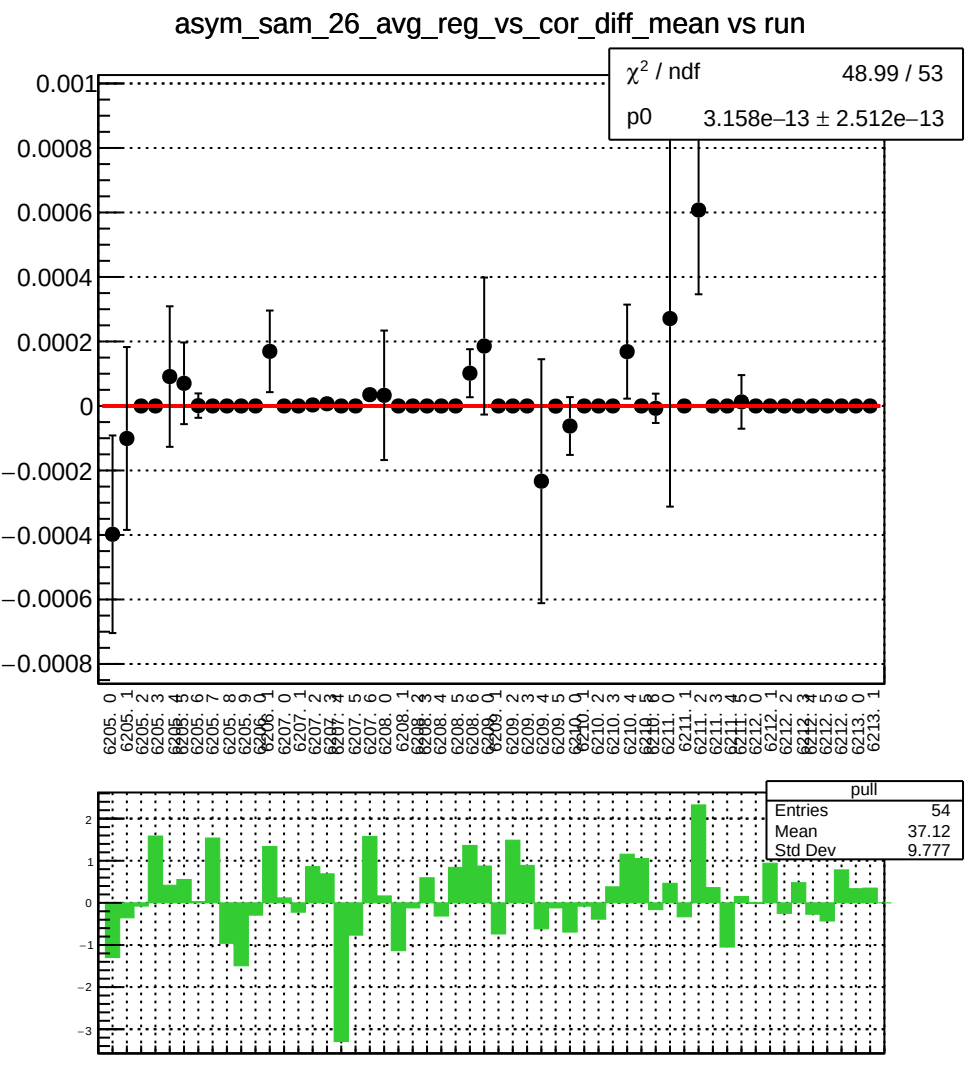

pull1D
Entries 54
Mean 0.02586
Std Dev 0.8773

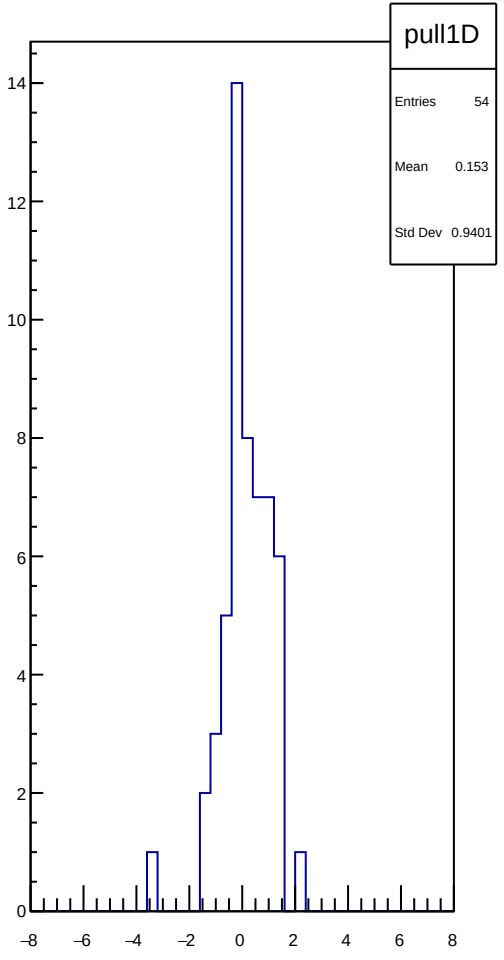

asym_sam_26_avg_eigen_dit_correction_rms vs run
χ² / ndf 5795 / 53
p0 1702 ± 1.658
2100
2000
1900
1800
1700
1600
1500
1400
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

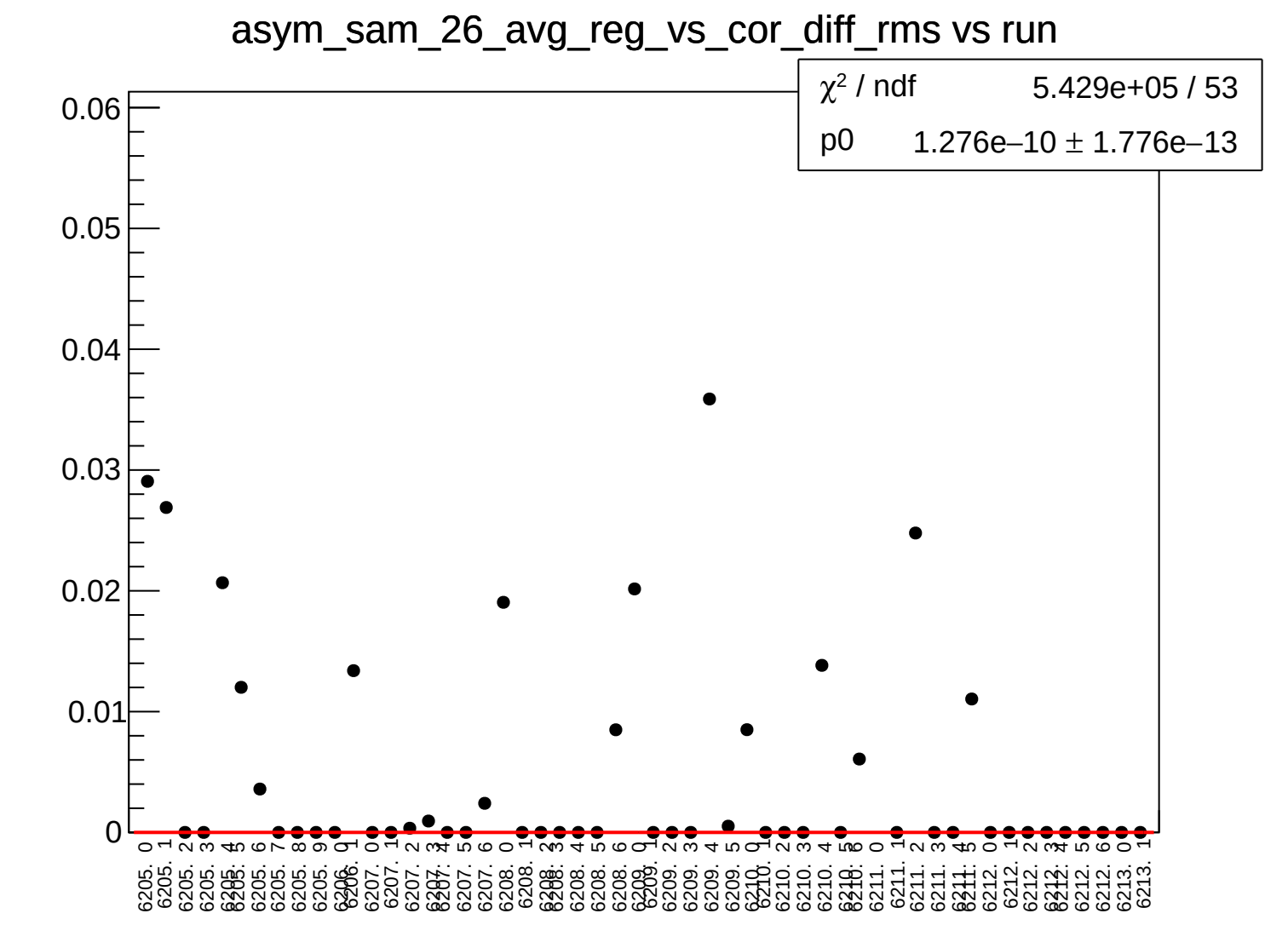

asym_sam_26_avg_mean vs run
χ² / ndf 42.55 / 53
p0 837.2 ± 2274
pull
Entries 54
Mean 15.79
Std Dev 0

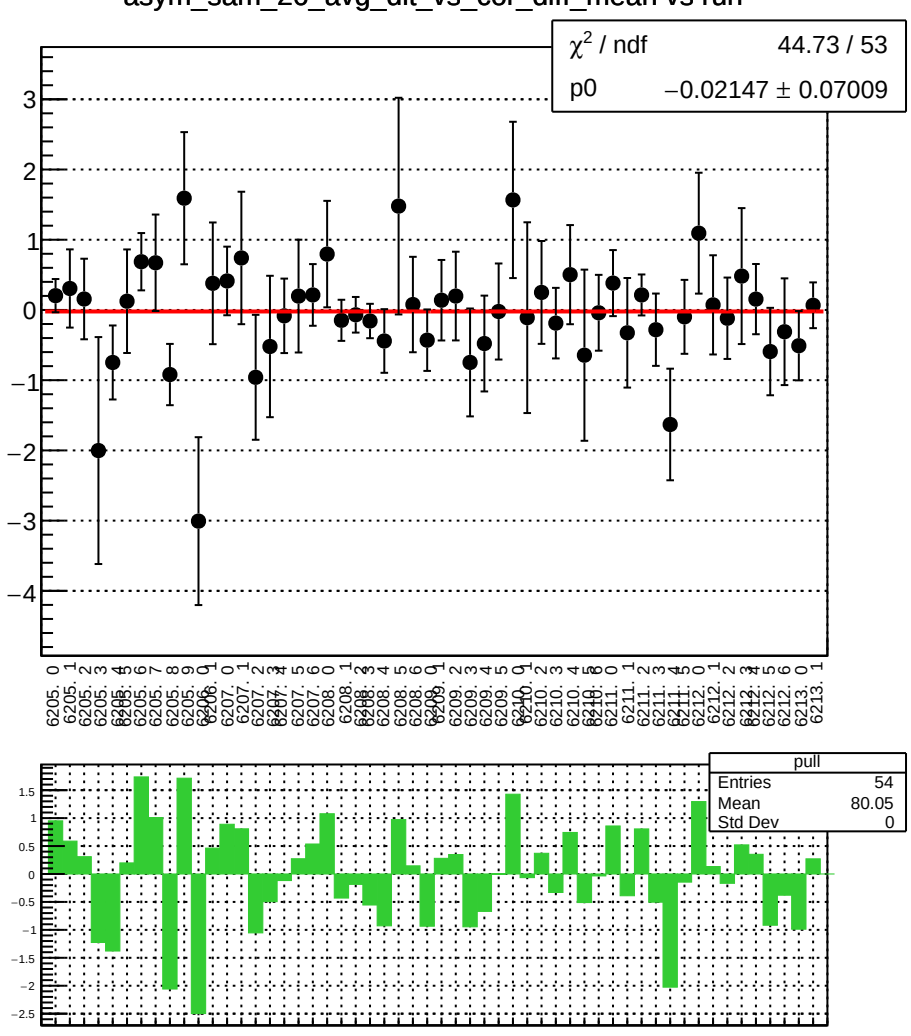

pull1D
Entries 54
Mean −0.02272
Std Dev 0.8873

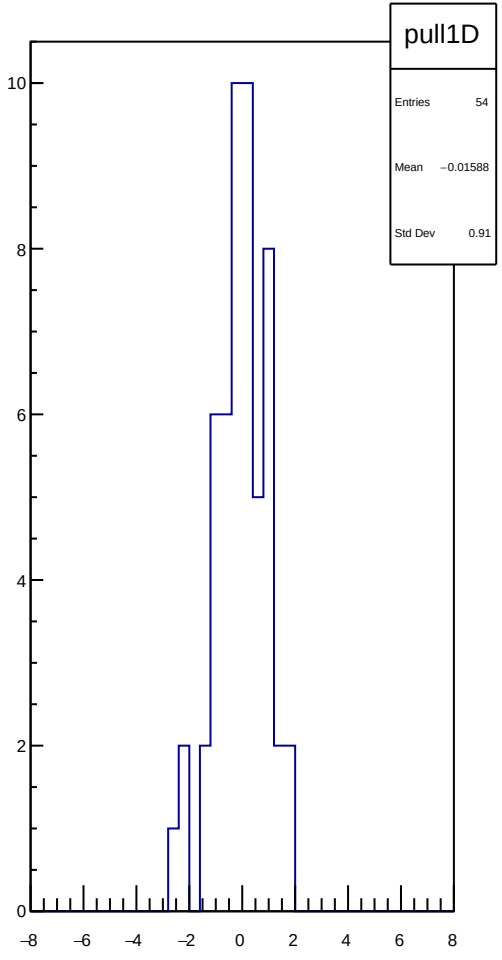

asym_sam_26_avg_rms vs run
χ² / ndf 7319 / 53
p0 1649 ± 1.608
2000
1900
1800
1700
1600
1500
1400
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

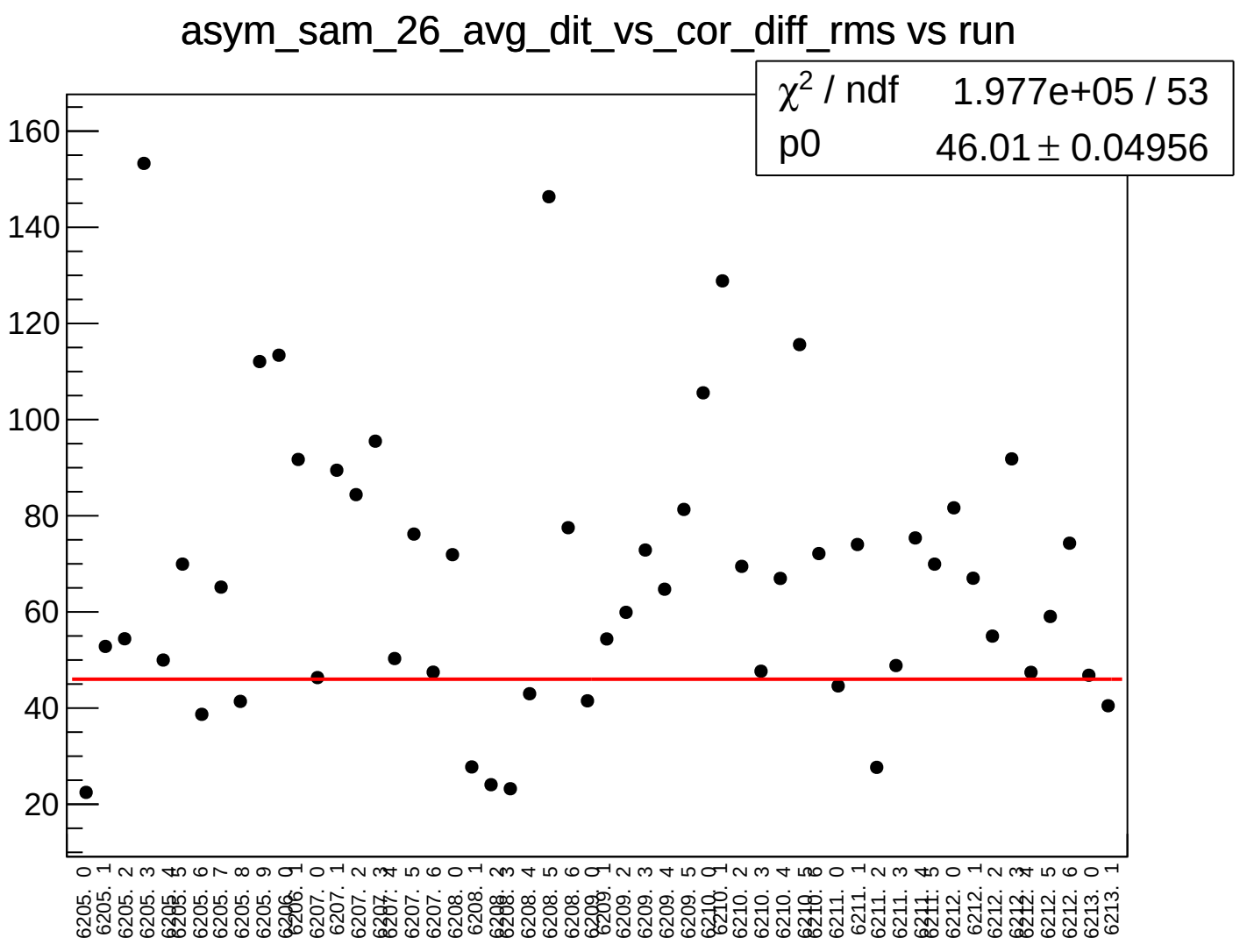

asym_sam_26_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 48.99 / 53
p0 3.158e−13 ± 2.512e−13
pull
Entries 54
Mean 37.12
Std Dev 9.777

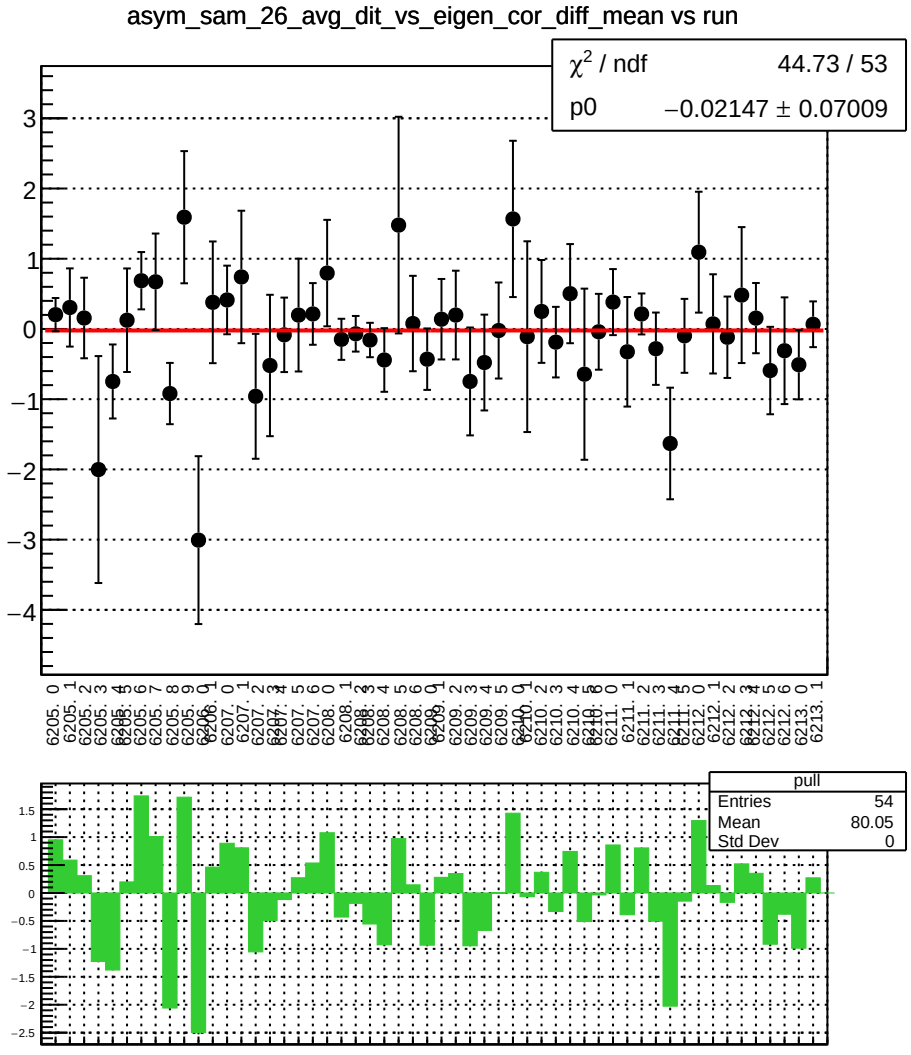

pull1D
Entries 54
Mean 0.153
Std Dev 0.9401

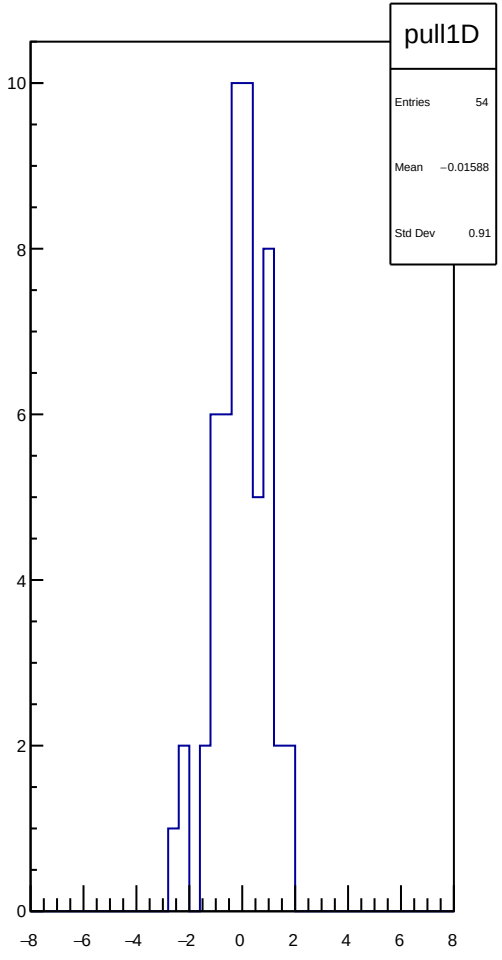

asym_sam_26_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 5.429e+05 / 53
p0 1.276e−10 ± 1.776e−13
0.06
0.05
0.04
0.03
0.02
0.01
0

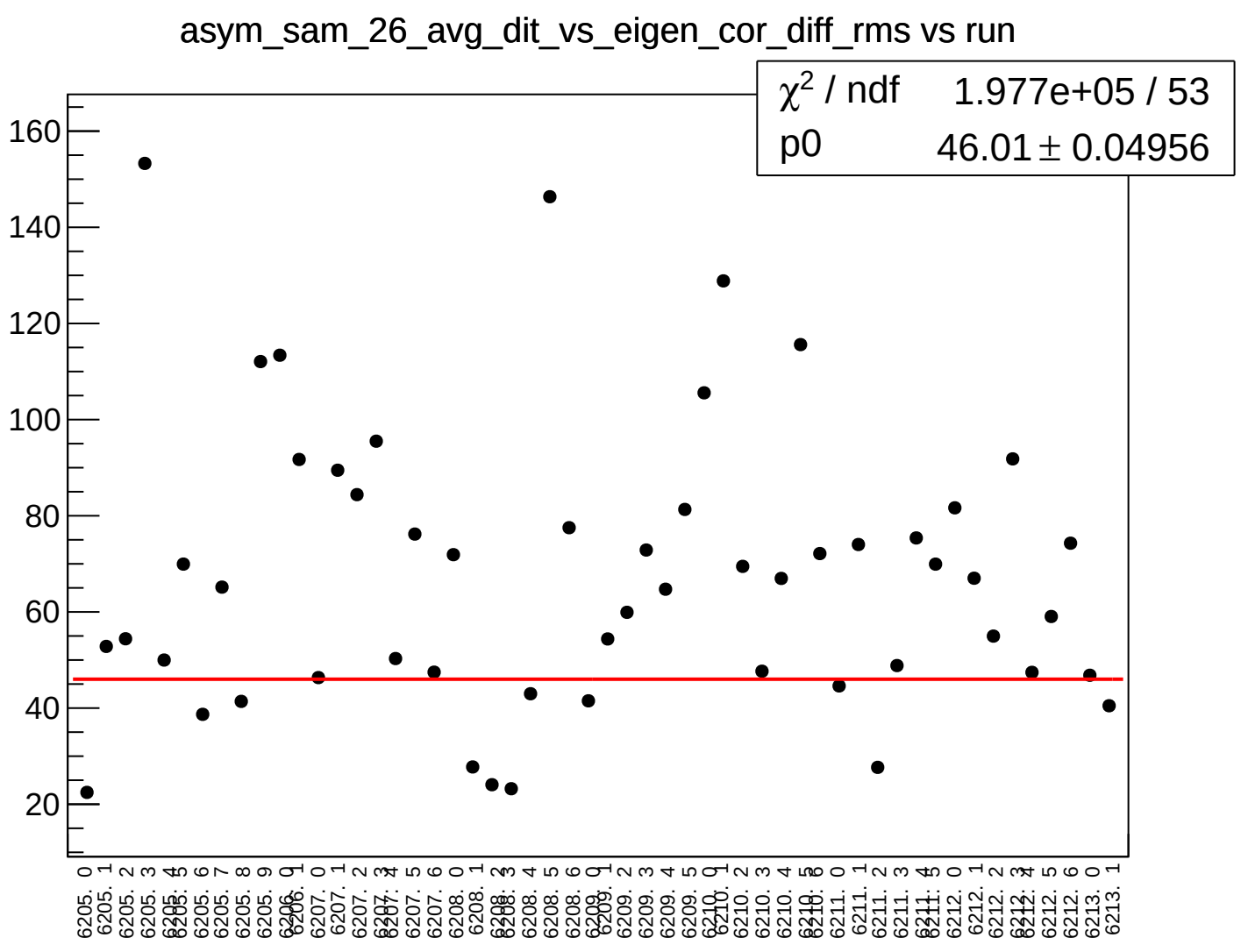

asym_sam_26_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 44.73 / 53
p0 −0.02147 ± 0.07009
pull
Entries 54
Mean 80.05
Std Dev 0

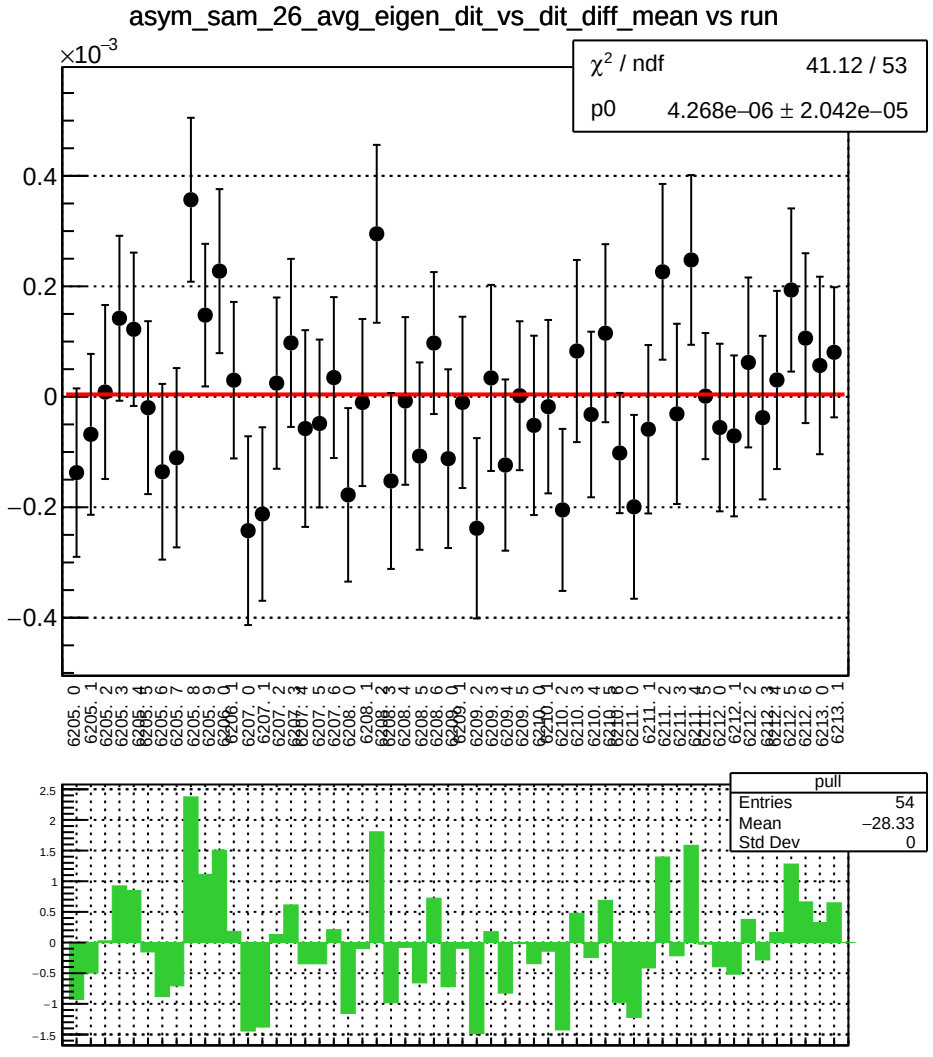

pull1D
Entries 54
Mean −0.01588
Std Dev 0.91

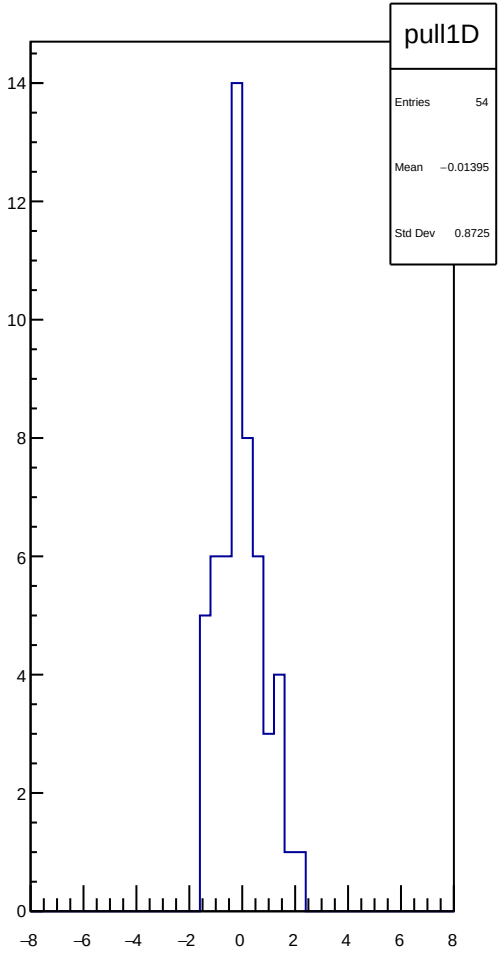

asym_sam_26_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.977e+05 / 53
p0 46.01 ± 0.04956
160
140
120
100
80
60
40
20
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

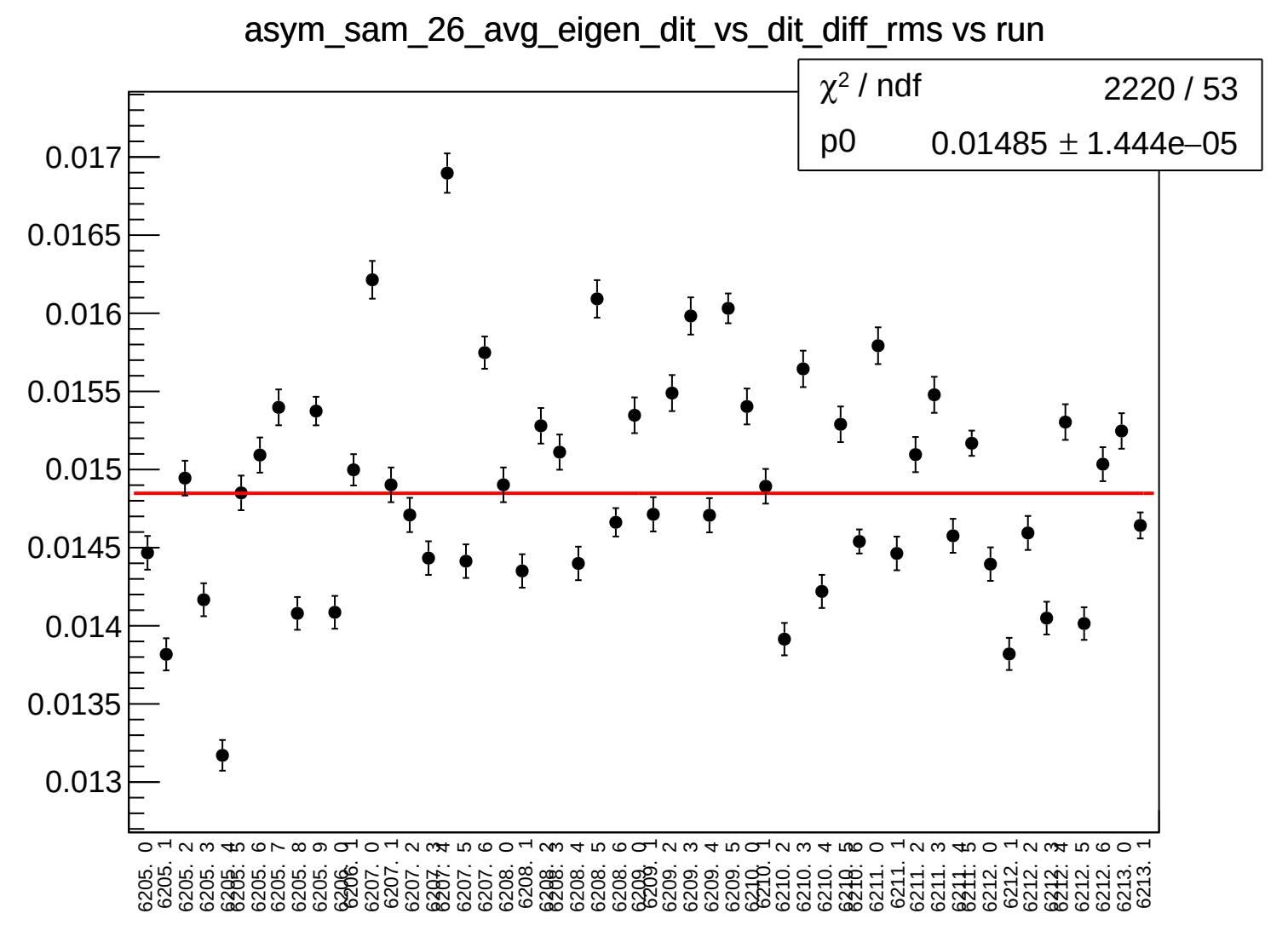

asym_sam_26_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 44.73 / 53
p0 −0.02147 ± 0.07009
pull
Entries 54
Mean 80.05
Std Dev 0

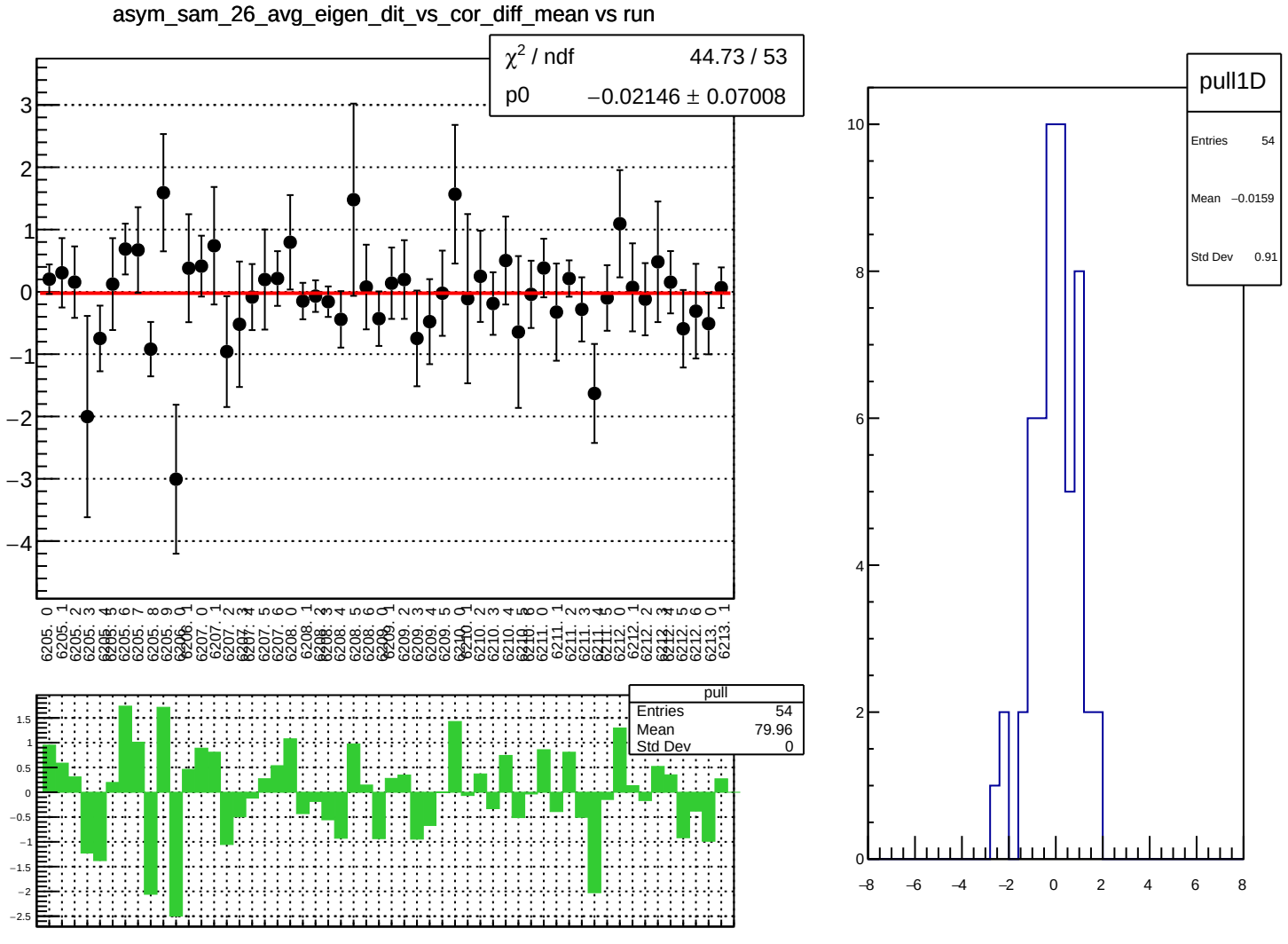

pull1D
Entries 54
Mean −0.01588
Std Dev 0.91

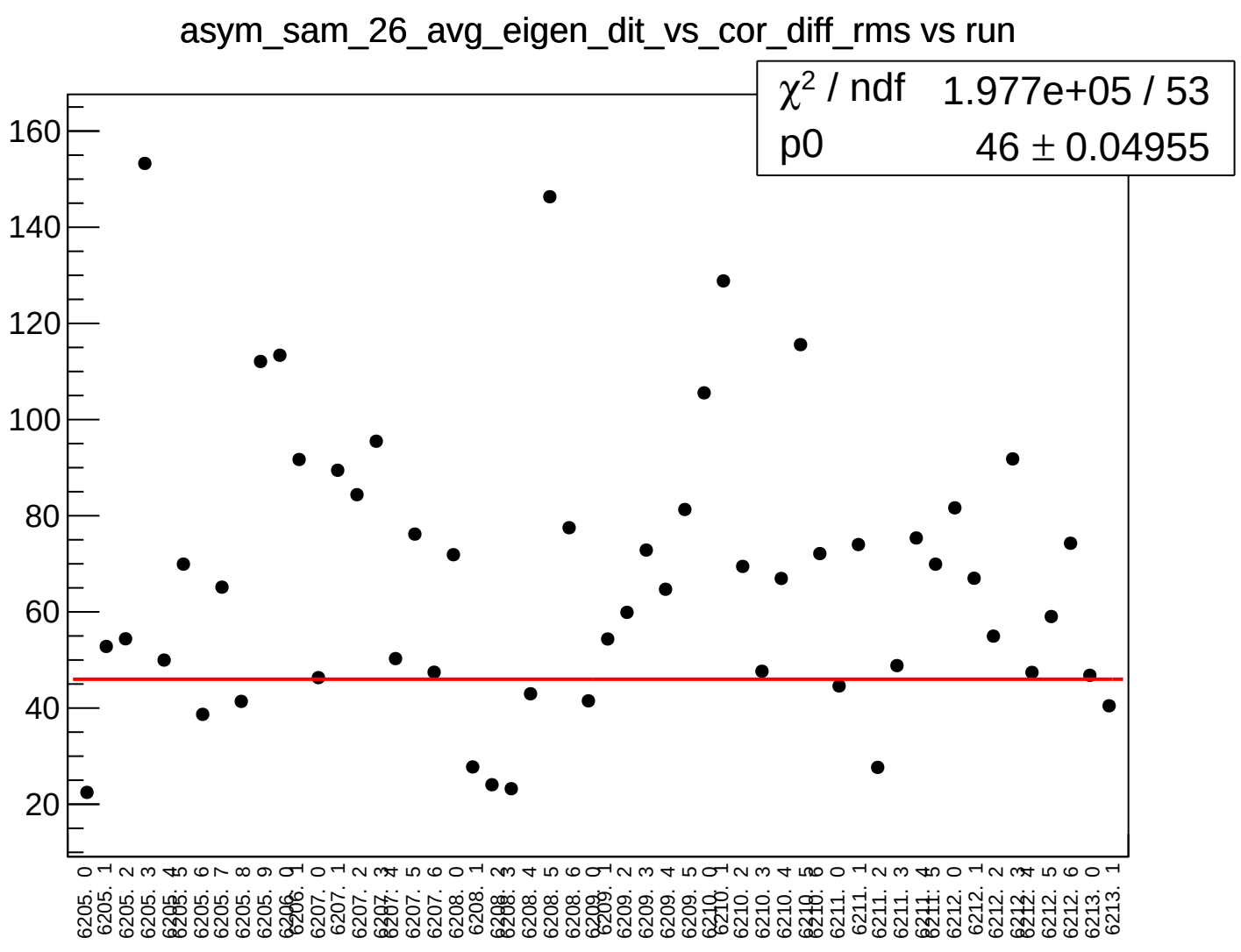

asym_sam_26_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.977e+05 / 53
p0 46.01 ± 0.04956
160
140
120
100
80
60
40
20
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

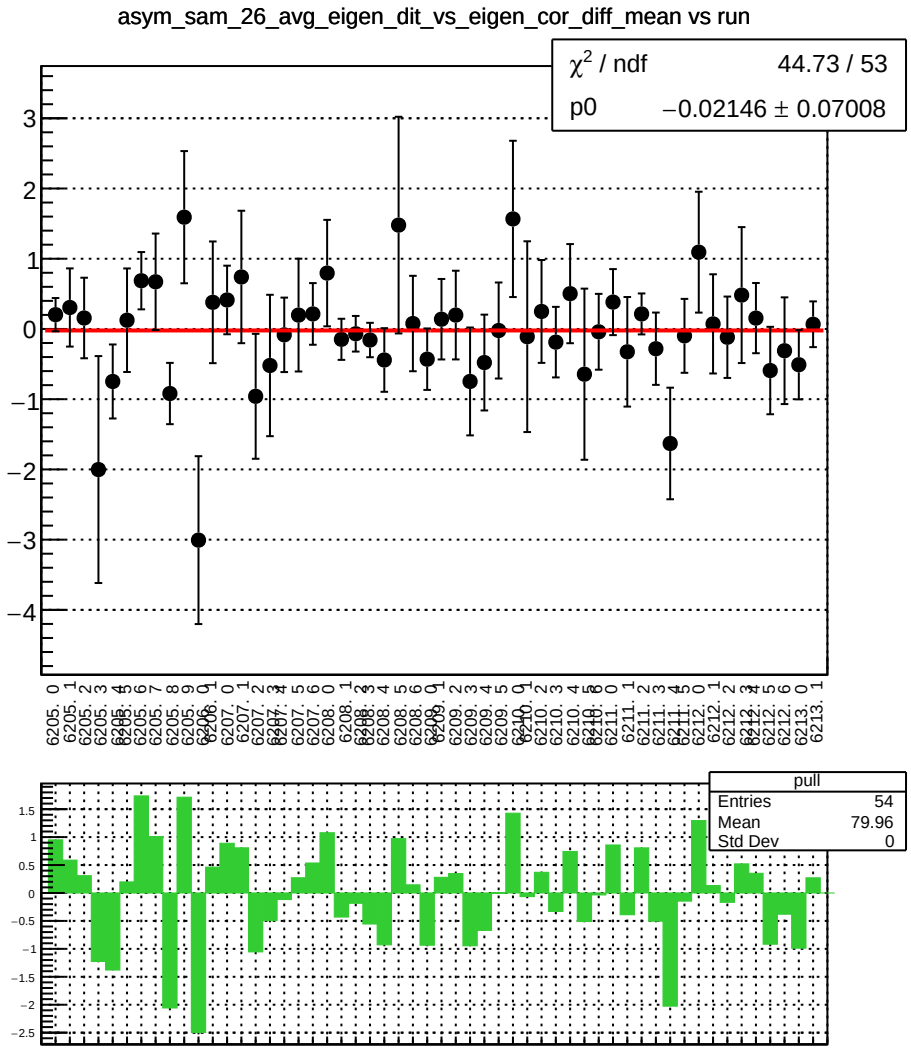

asym_sam_26_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 41.12 / 53
p0 4.268e−06 ± 2.042e−05
0.4
0.2
0
−0.2
−0.4
pull
Entries 54
Mean −28.33
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

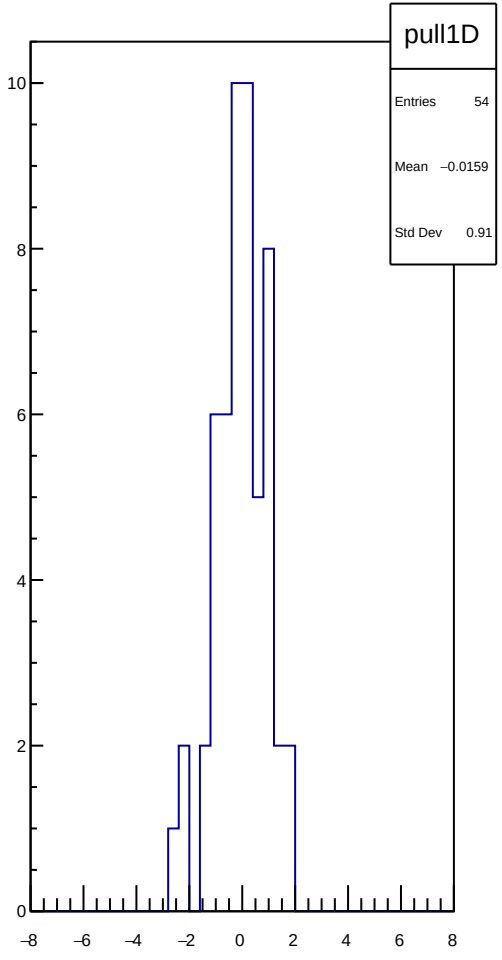

pull1D
Entries 54
Mean −0.01395
Std Dev 0.8725
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

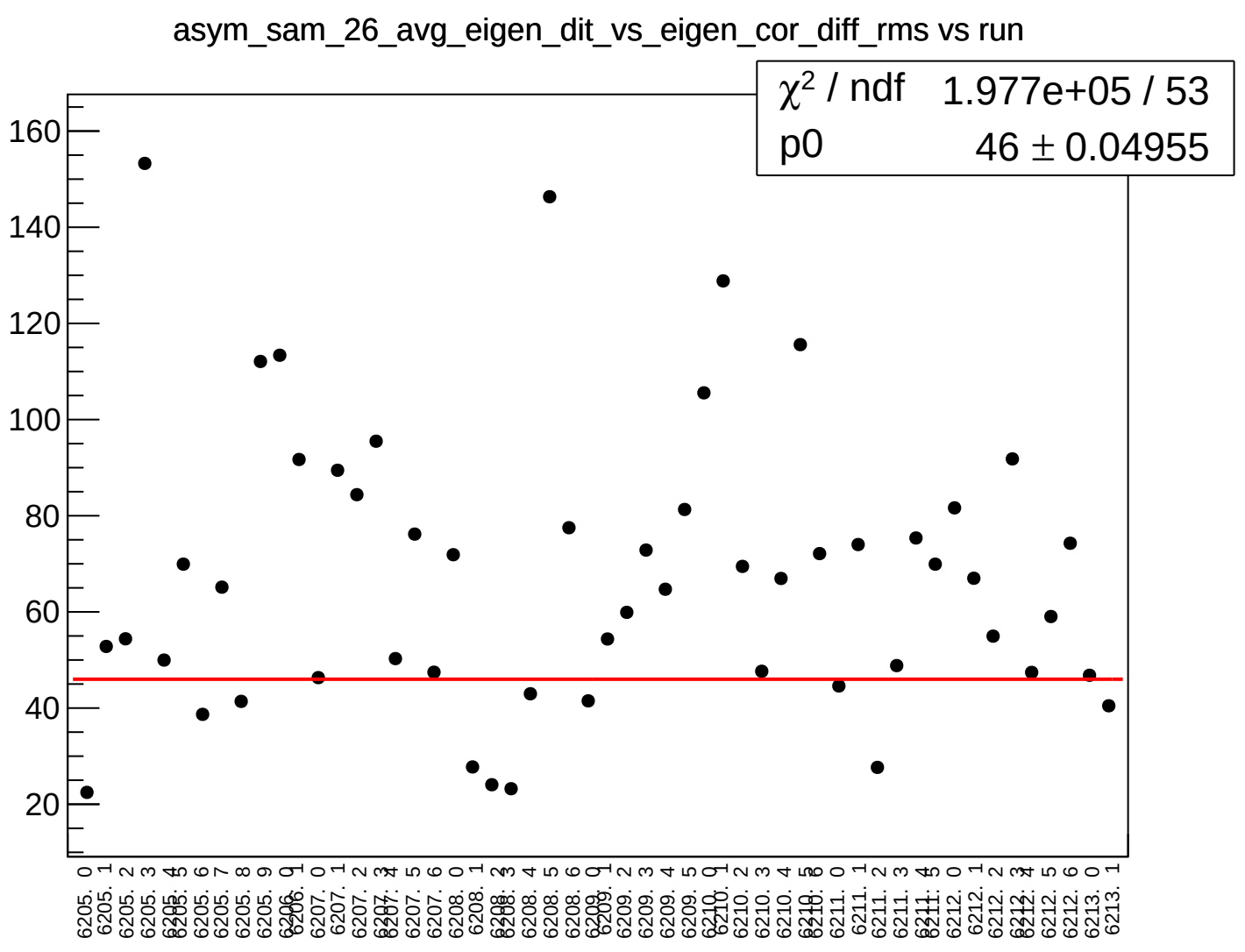

asym_sam_26_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2220 / 53
p0 0.01485 ± 1.444e−05
0.017
0.0165
0.016
0.0155
0.015
0.0145
0.014
0.0135
0.013
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

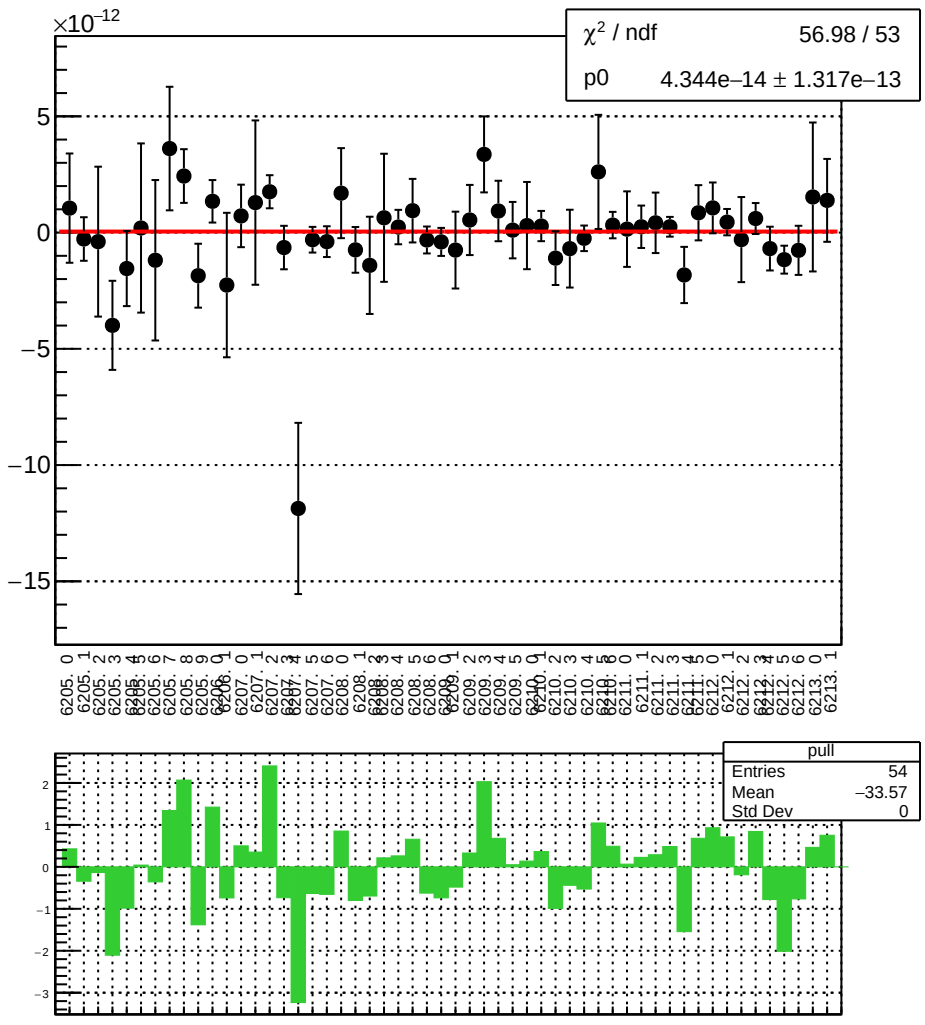

asym_sam_26_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 44.73 / 53
p0 −0.02146 ± 0.07008
pull
Entries 54
Mean 79.96
Std Dev 0
pull1D
Entries 54
Mean −0.0159
Std Dev 0.91

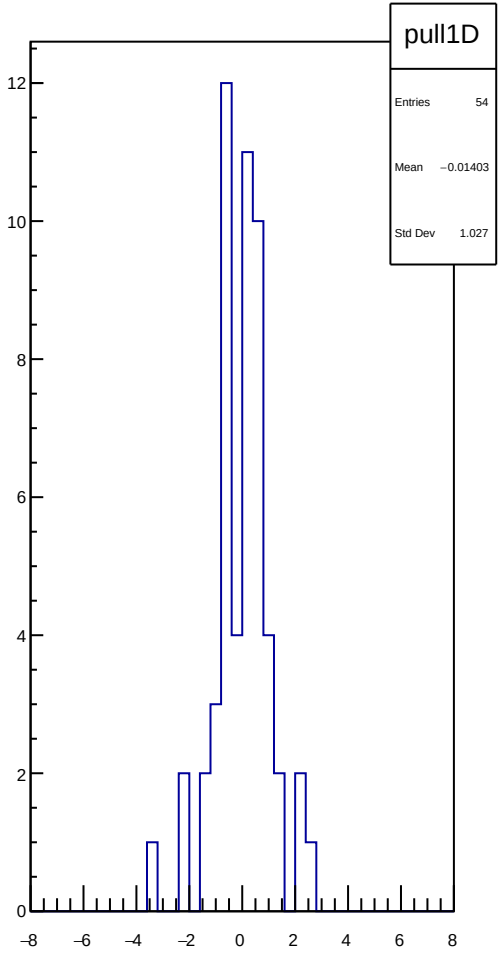

asym_sam_26_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.977e+05 / 53
p0 46 ± 0.04955
160
140
120
100
80
60
40
20
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 1
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

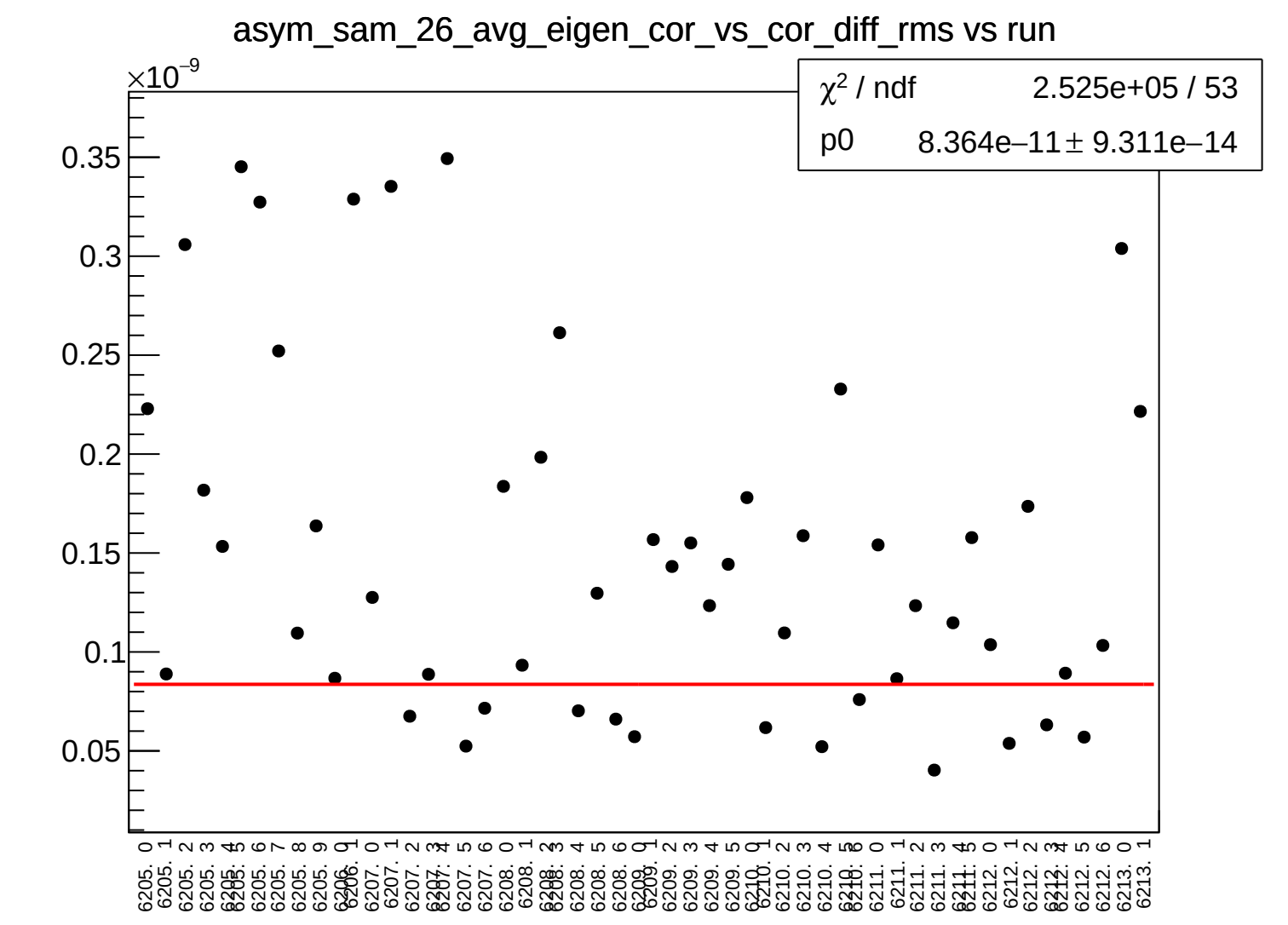

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 44.73 / 53
p0 −0.02146 ± 0.07008
pull
Entries 54
Mean 79.96
Std Dev 0

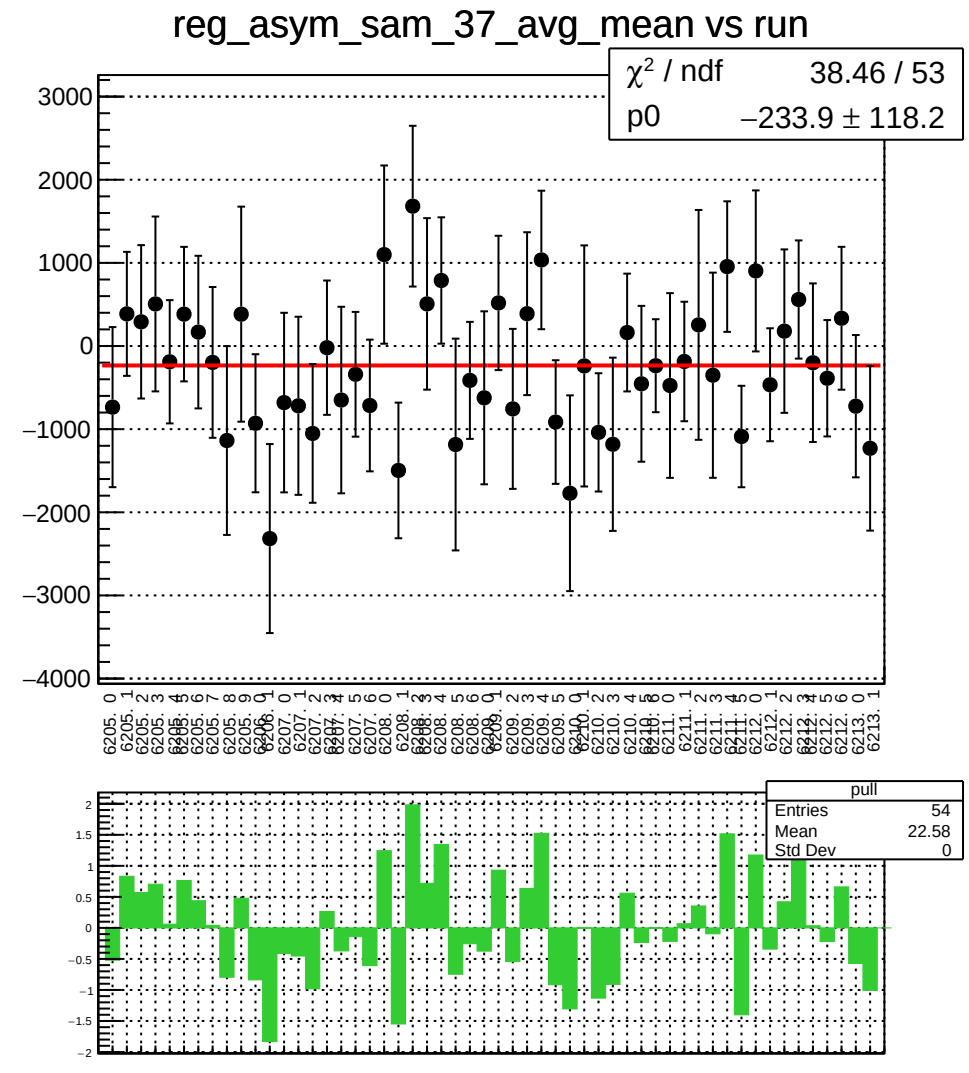

pull1D
Entries 54
Mean −0.0159
Std Dev 0.91

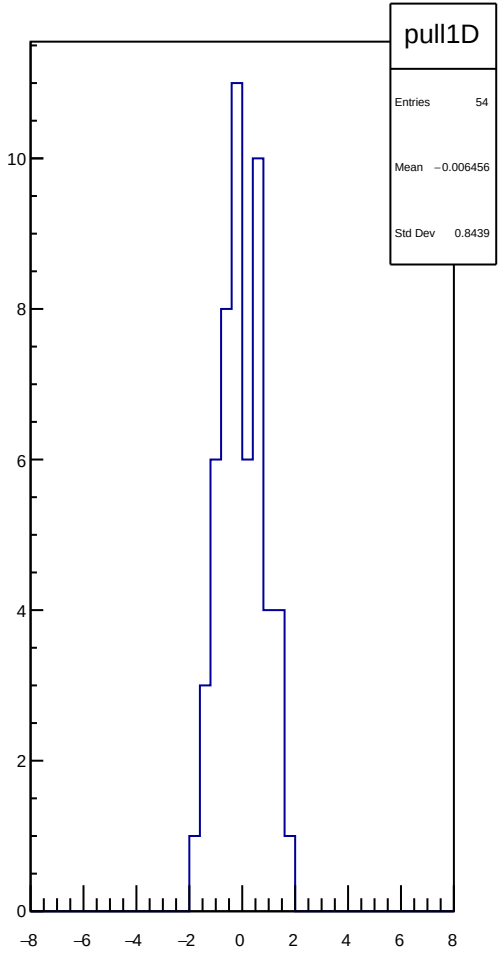

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.977e+05 / 53
p0 46 ± 0.04955
160
140
120
100
80
60
40
20
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

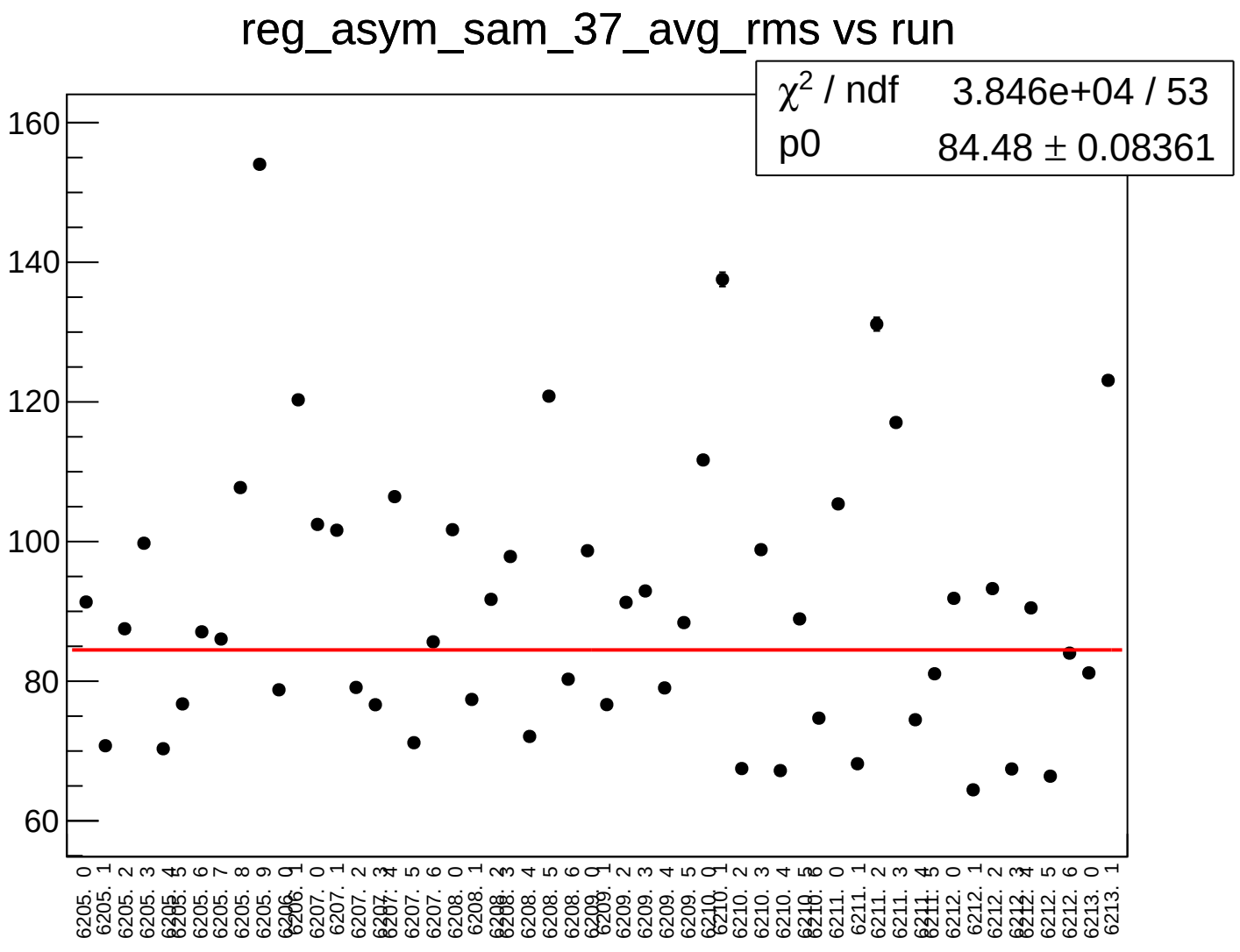

asym_sam_26_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 56.98 / 53
p0 4.344e−14 ± 1.317e−13
pull
Entries 54
Mean −33.57
Std Dev 0

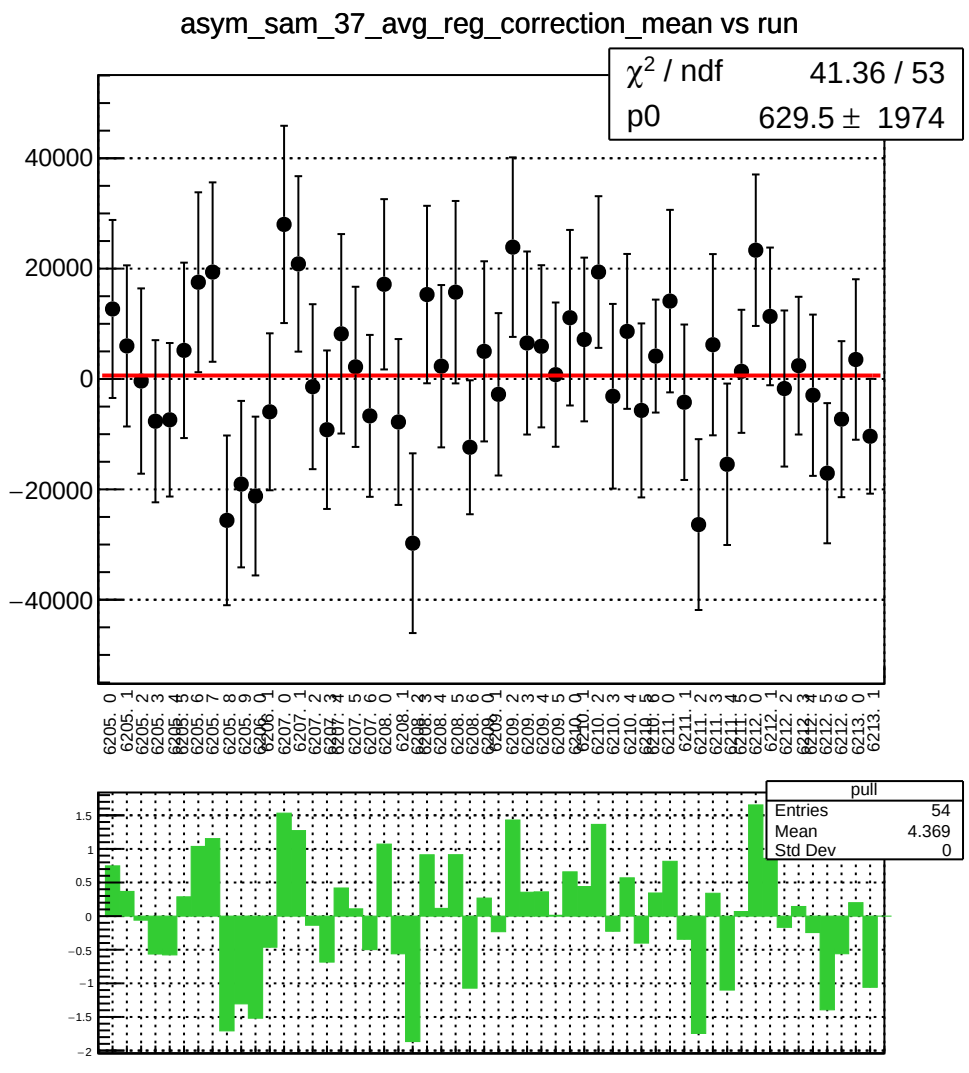

pull1D
Entries 54
Mean −0.01403
Std Dev 1.027

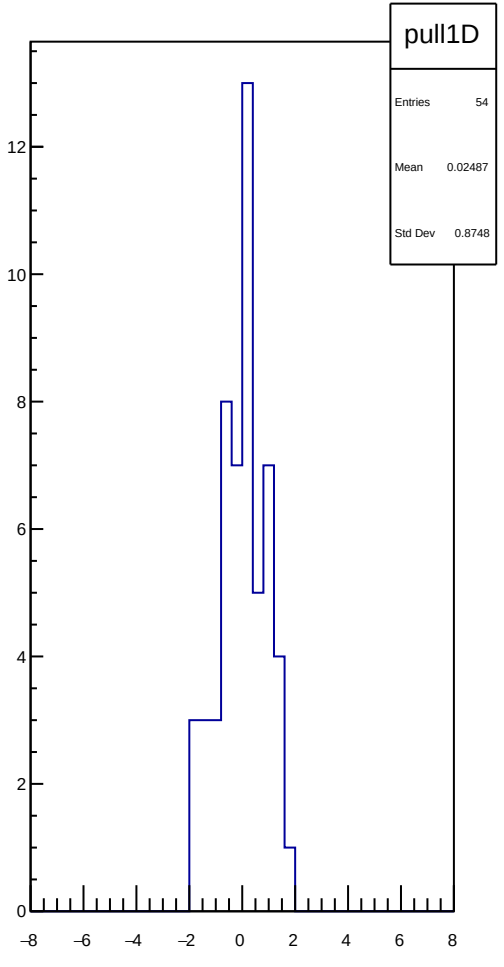

asym_sam_26_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.525e+05 / 53
p0 8.364e−11 ± 9.311e−14
0.35
0.3
0.25
0.2
0.15
0.1
0.05
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

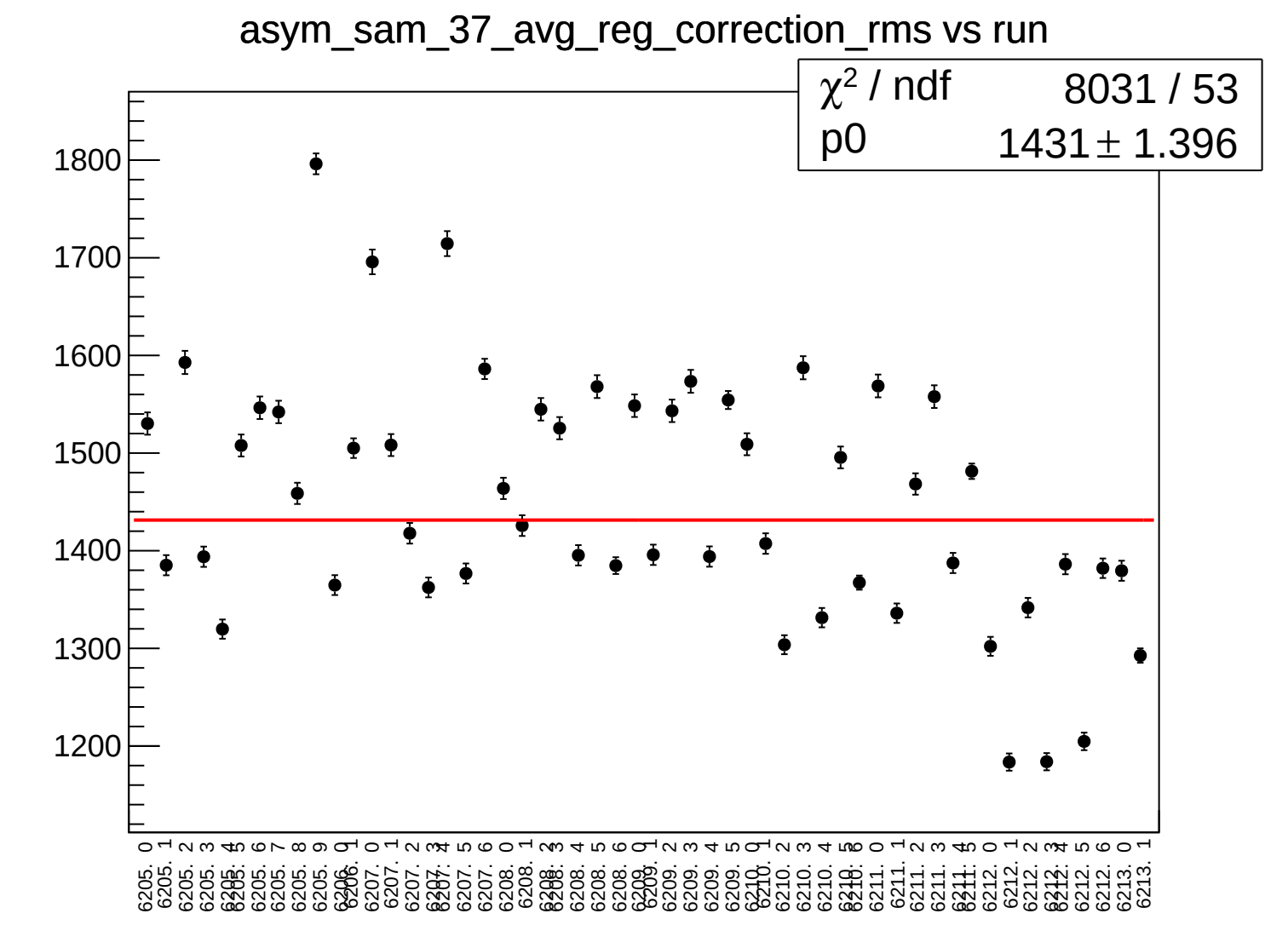

reg_asym_sam_37_avg_mean vs run
χ² / ndf 38.46 / 53
p0 −233.9 ± 118.2
pull
Entries 54
Mean 22.58
Std Dev 0

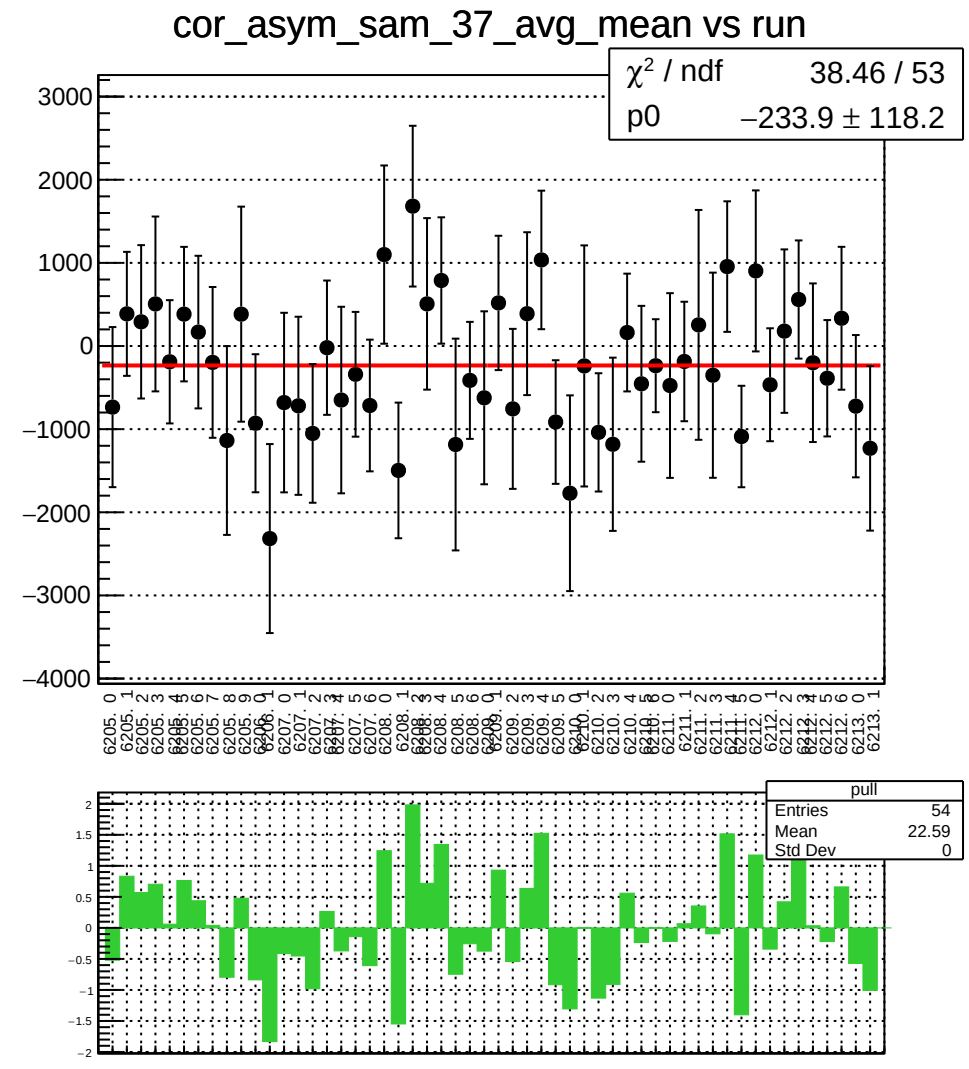

pull1D
Entries 54
Mean −0.006456
Std Dev 0.8439

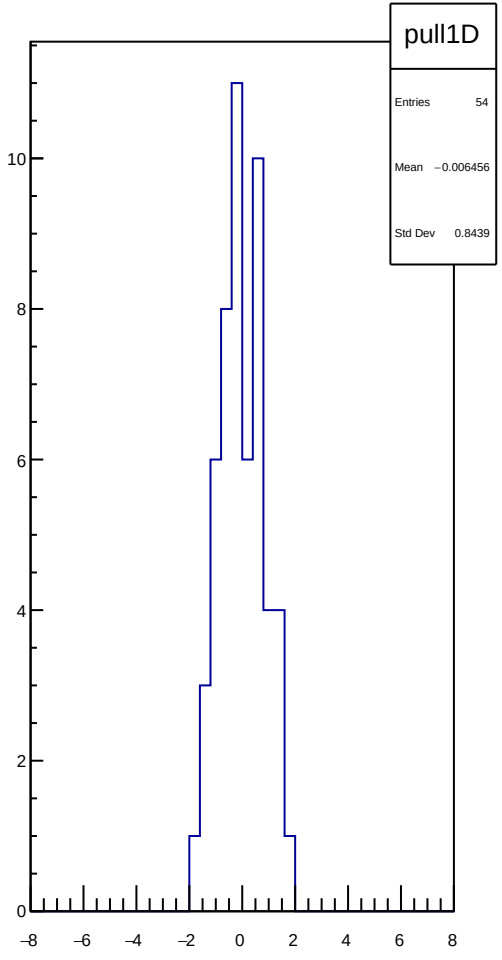

reg_asym_sam_37_avg_rms vs run
χ^2 / ndf 3.846e+04 / 53
p0 84.48 ± 0.08361
160
140
120
100
80
60
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

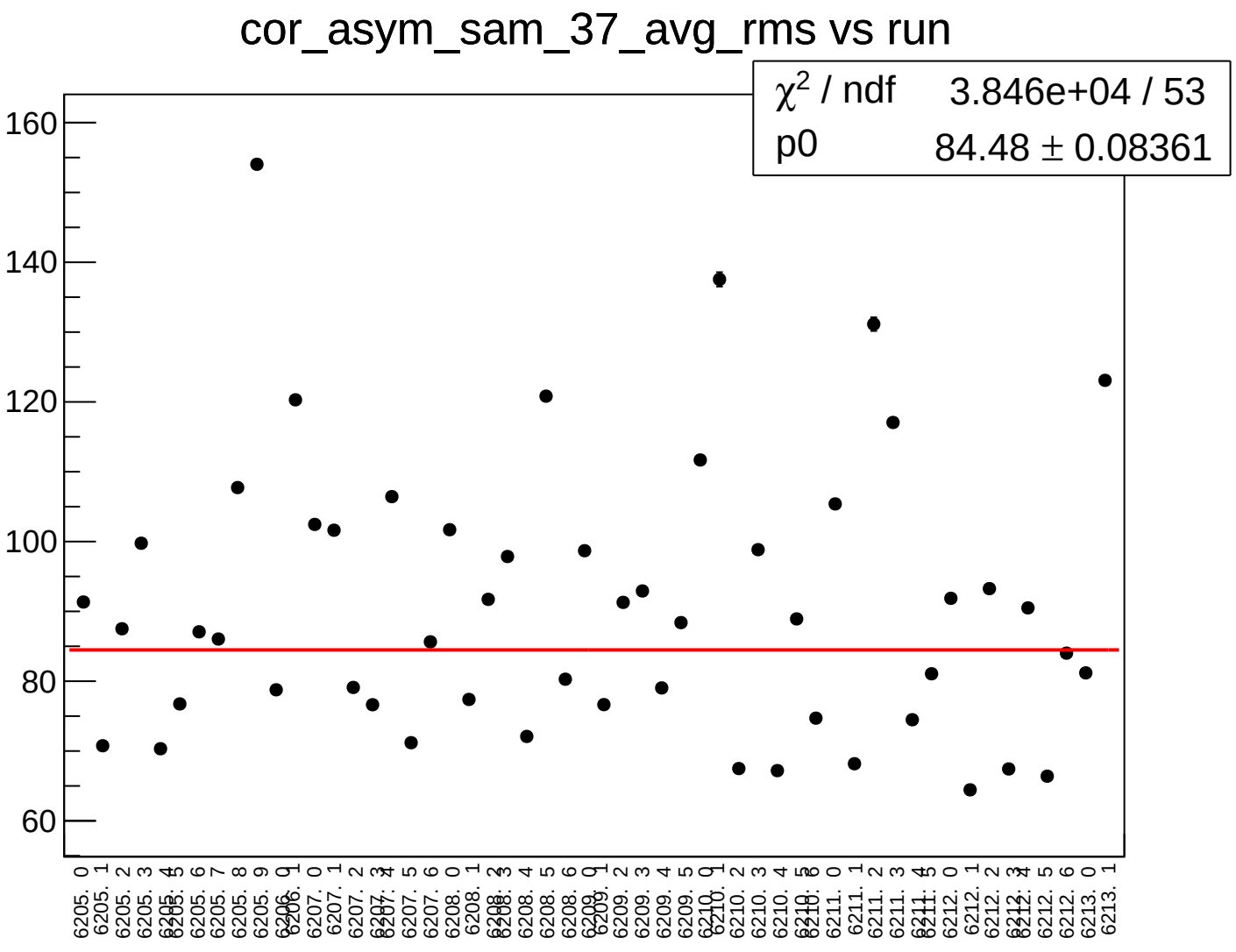

asym_sam_37_avg_reg_correction_mean vs run
χ² / ndf 41.36 / 53
p0 629.5 ± 1974
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 4.369
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

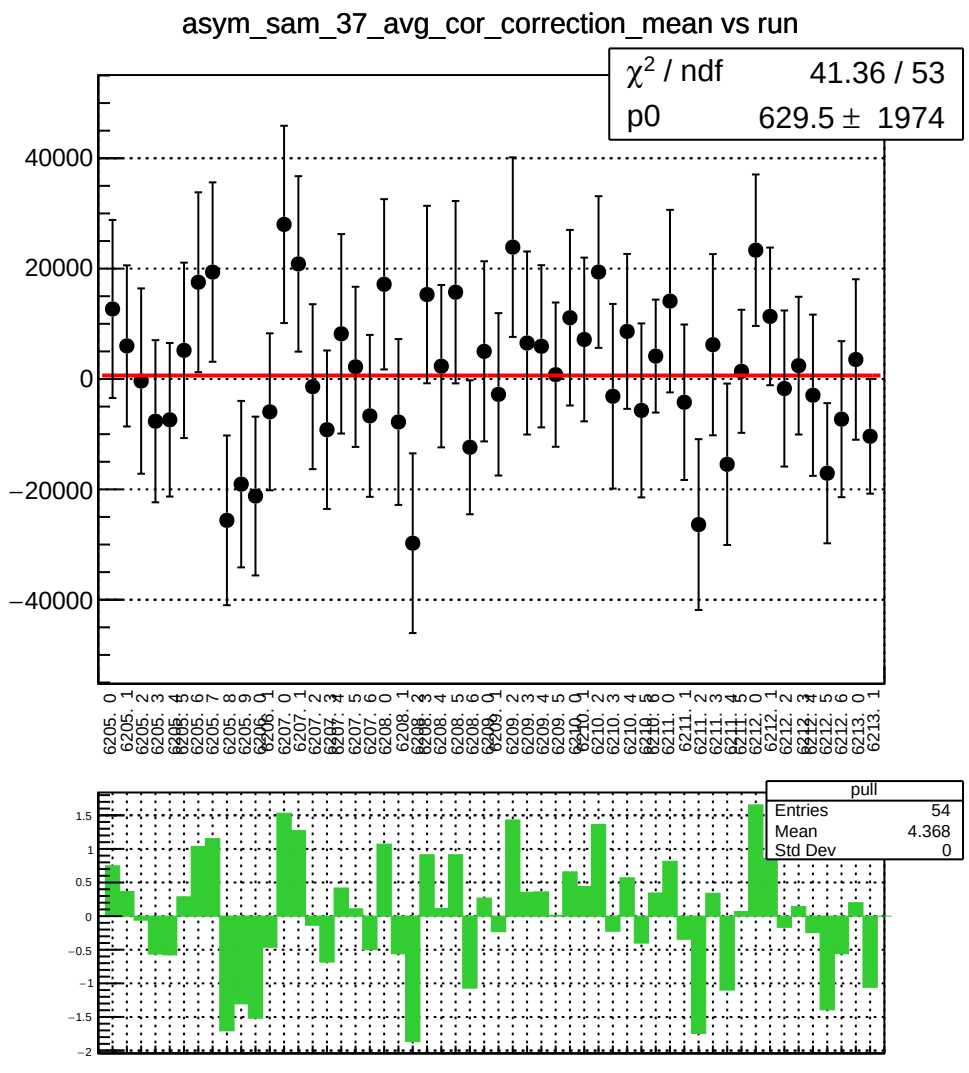

pull1D
Entries 54
Mean 0.02487
Std Dev 0.8748
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

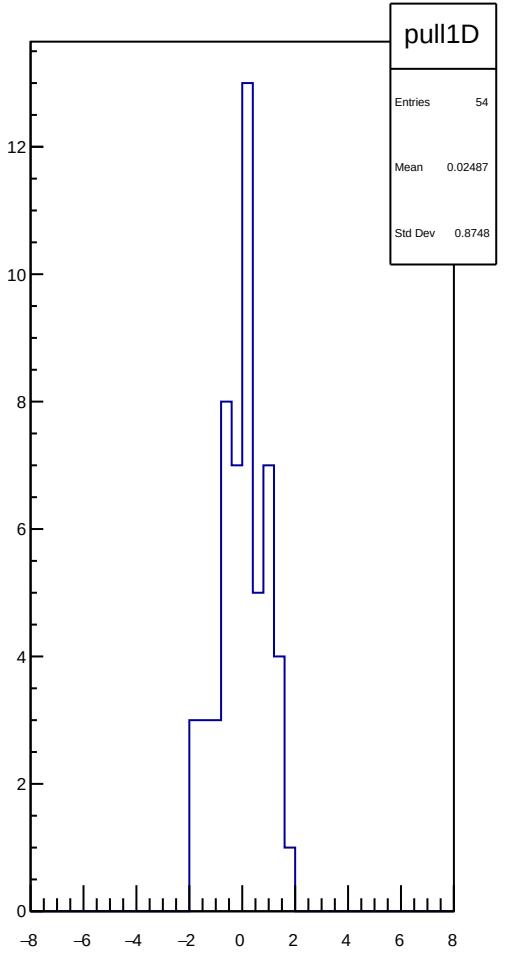

asym_sam_37_avg_reg_correction_rms vs run
χ² / ndf 8031 / 53
p0 1431 ± 1.396
1800
1700
1600
1500
1400
1300
1200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

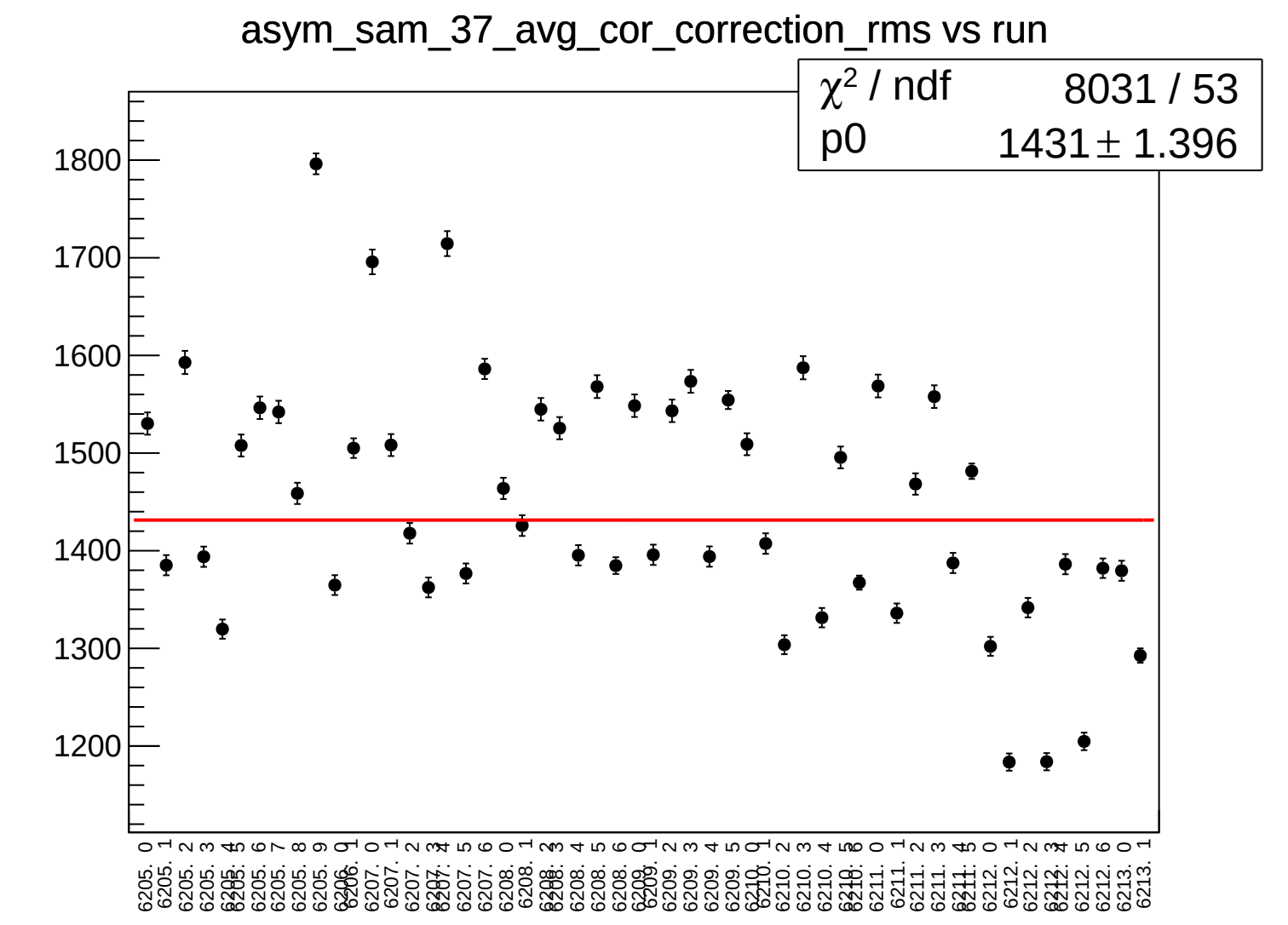

cor_asym_sam_37_avg_mean vs run
χ² / ndf 38.46 / 53
p0 −233.9 ± 118.2
pull
Entries 54
Mean 22.59
Std Dev 0

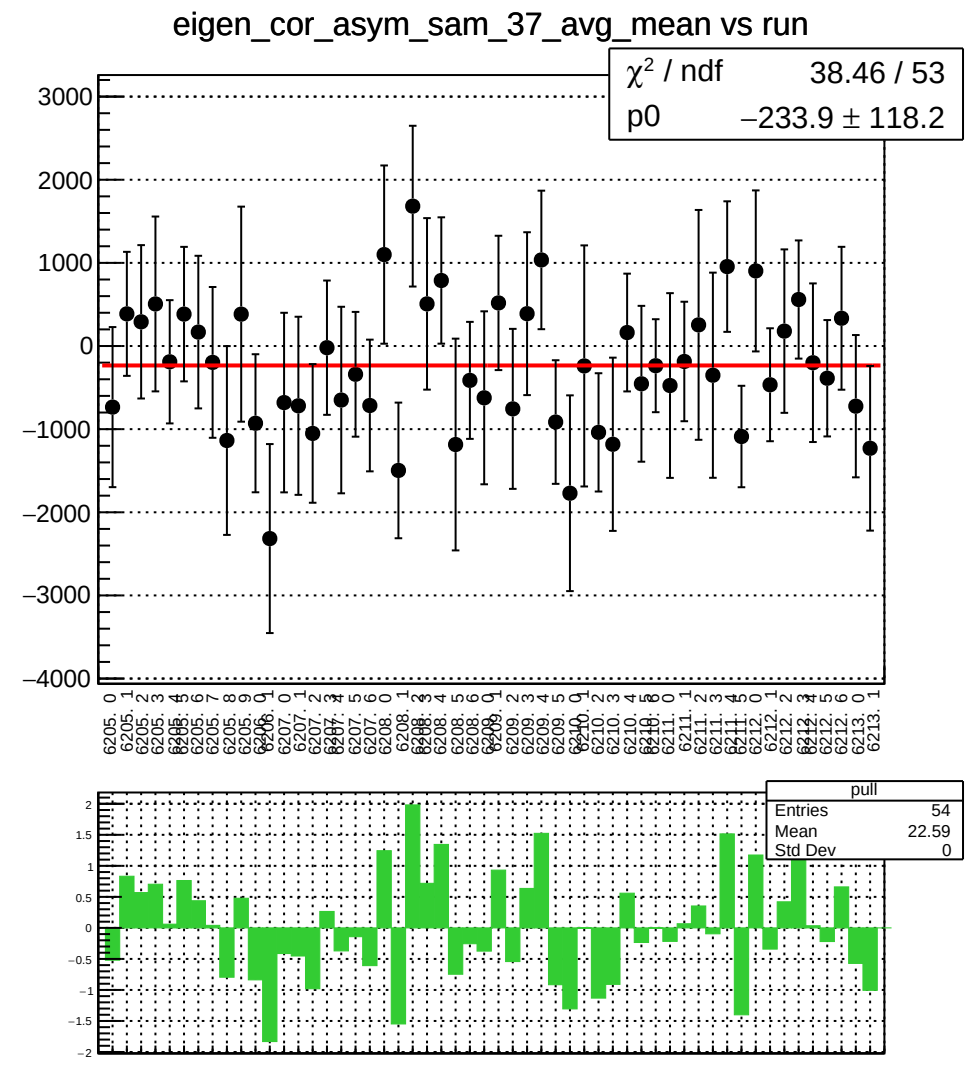

pull1D
Entries 54
Mean −0.006456
Std Dev 0.8439

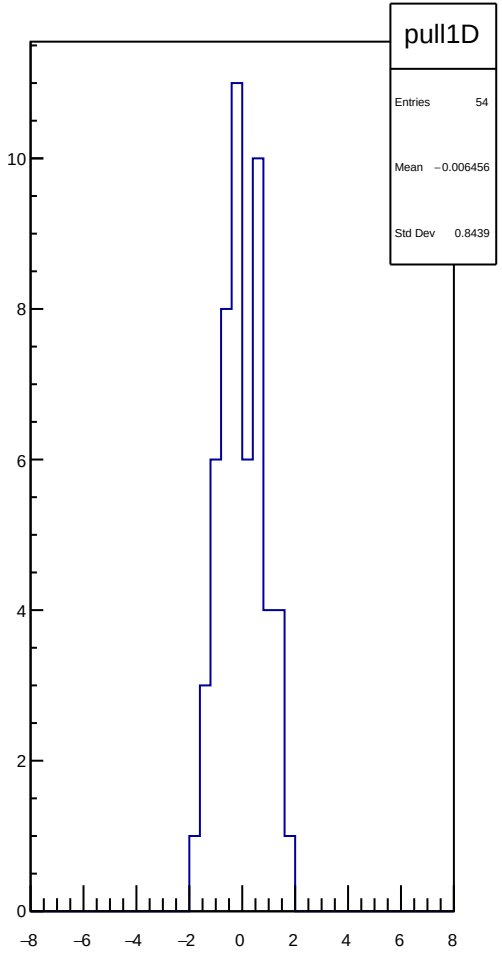

cor_asym_sam_37_avg_rms vs run
χ² / ndf 3.846e+04 / 53
p0 84.48 ± 0.08361
160
140
120
100
80
60
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

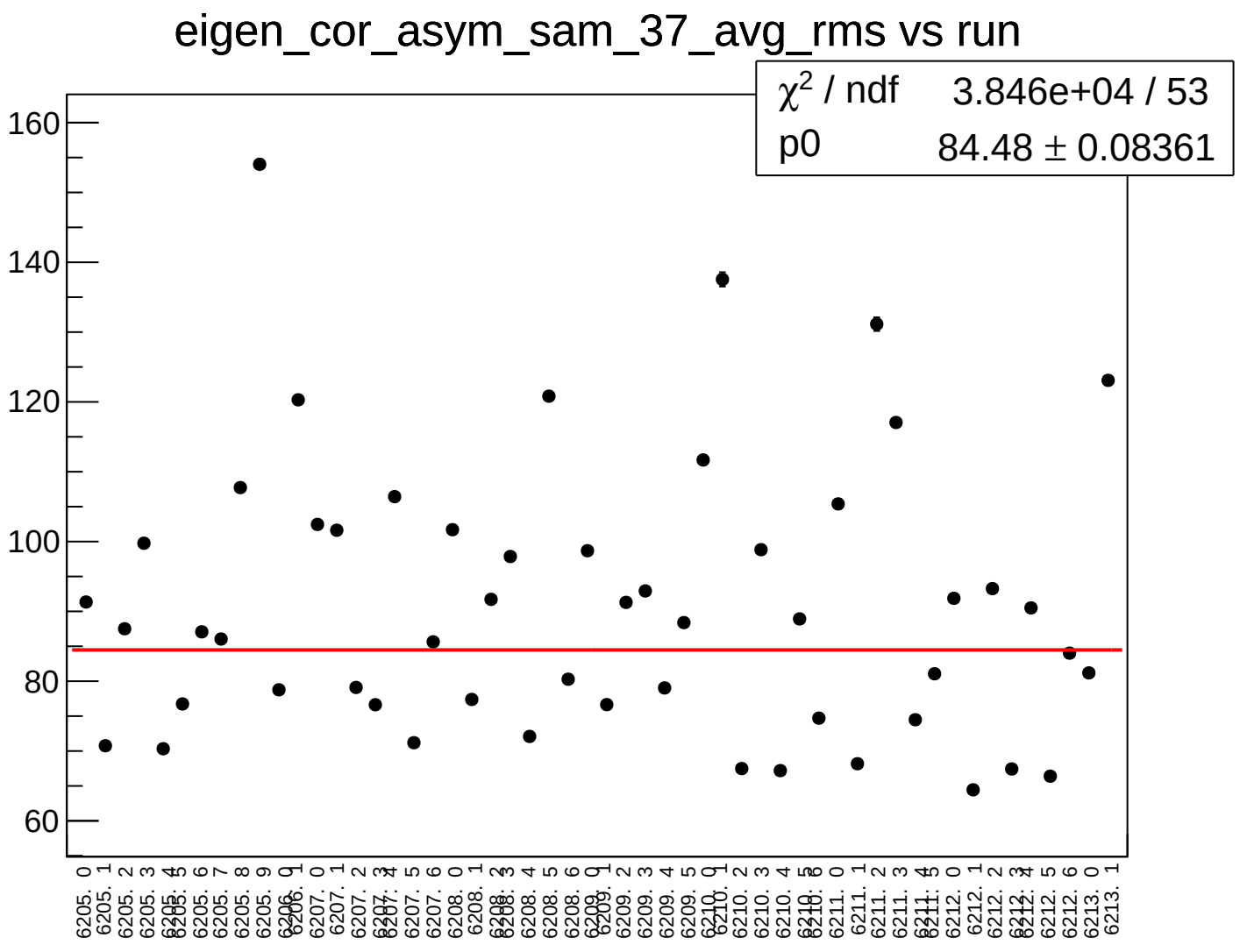

asym_sam_37_avg_cor_correction_mean vs run
χ² / ndf 41.36 / 53
p0 629.5 ± 1974
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 4.368
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 54
Mean 0.02487
Std Dev 0.8748
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_37_avg_cor_correction_rms vs run
χ² / ndf 8031 / 53
p0 1431 ± 1.396
1800
1700
1600
1500
1400
1300
1200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


eigen_cor_asym_sam_37_avg_mean vs run
χ² / ndf 38.46 / 53
p0 −233.9 ± 118.2
pull
Entries 54
Mean 22.59
Std Dev 0


pull1D
Entries 54
Mean −0.006456
Std Dev 0.8439


eigen_cor_asym_sam_37_avg_rms vs run
χ² / ndf 3.846e+04 / 53
p0 84.48 ± 0.08361
160
140
120
100
80
60
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
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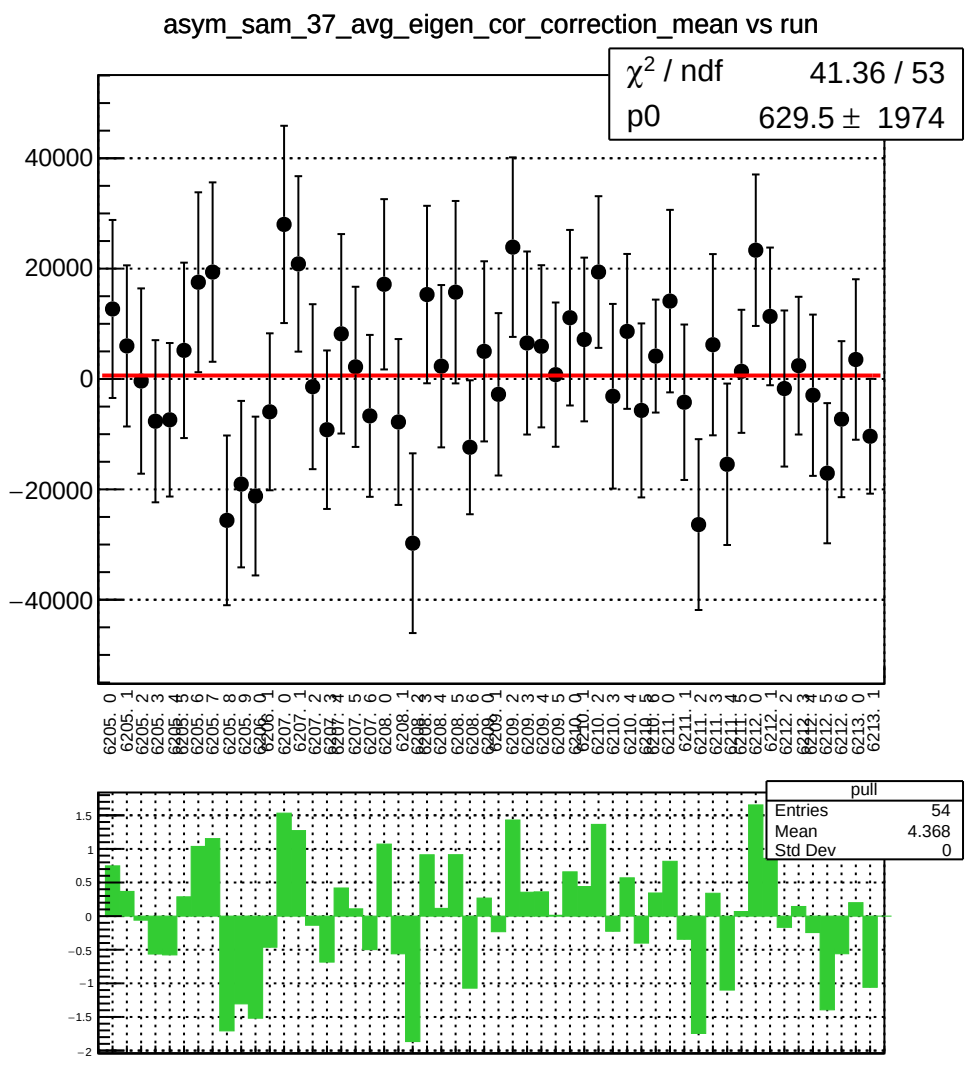
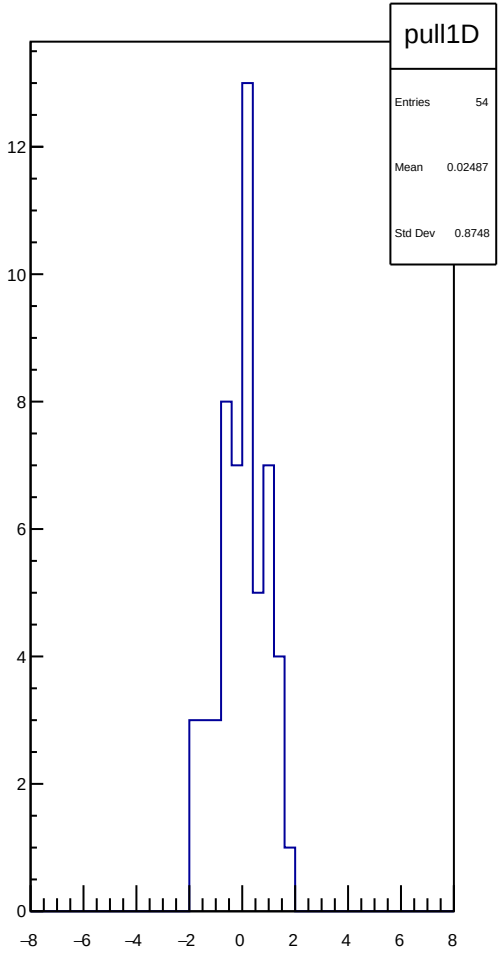
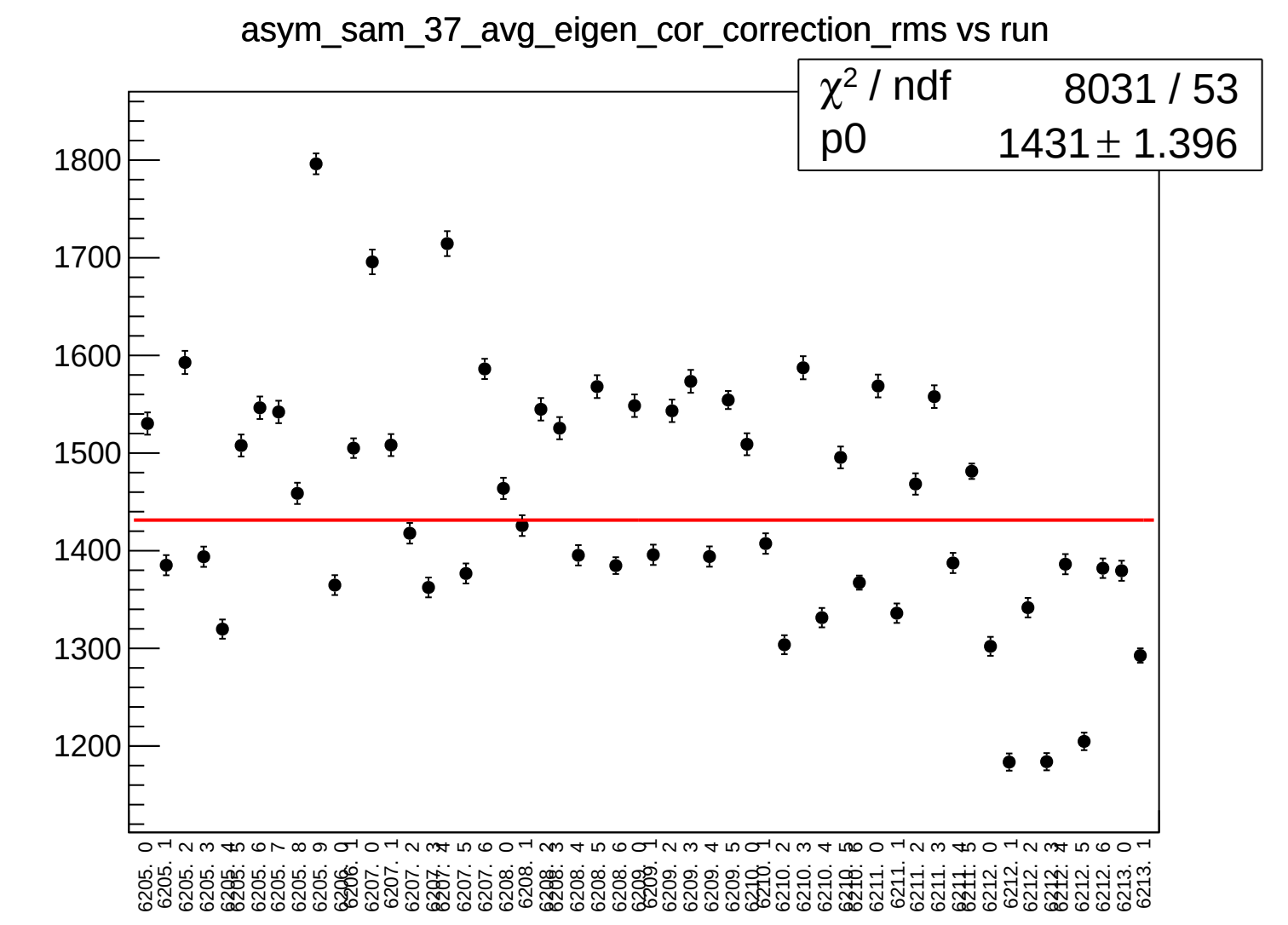
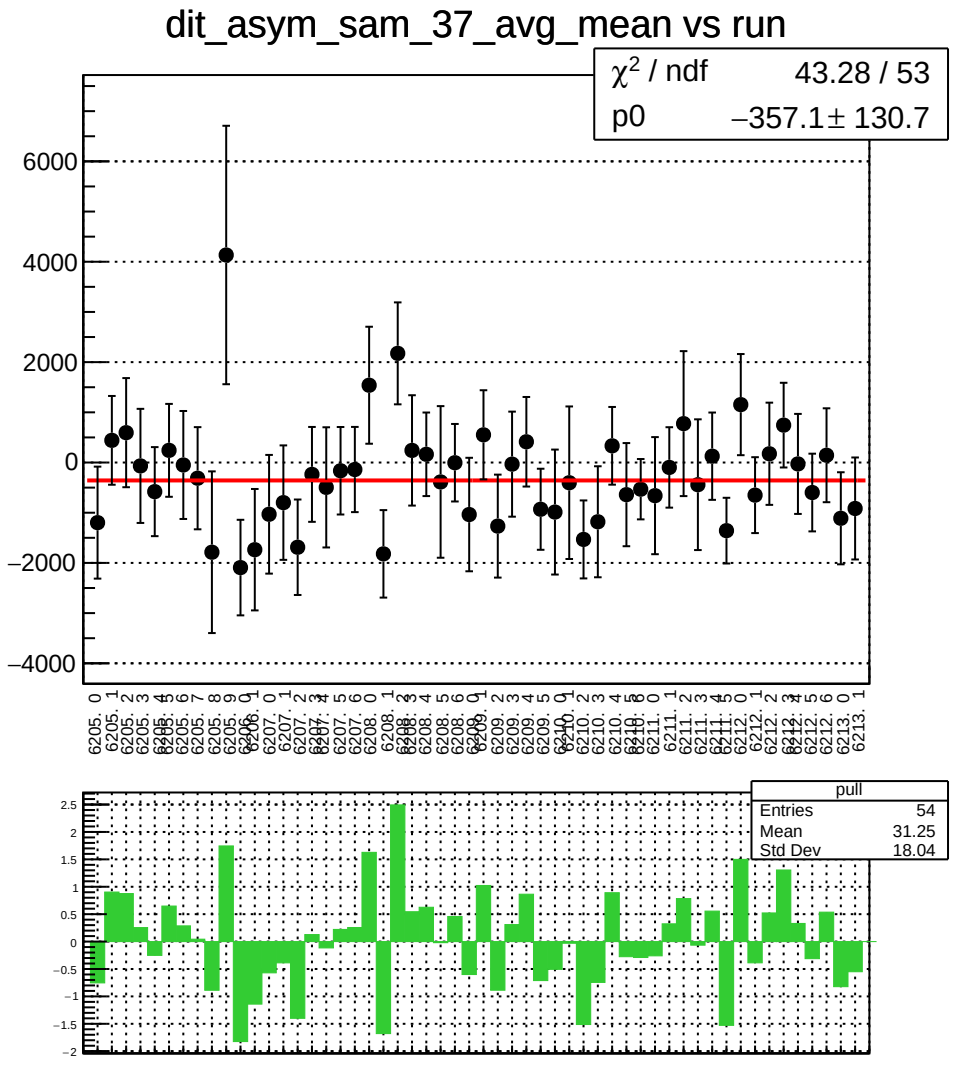
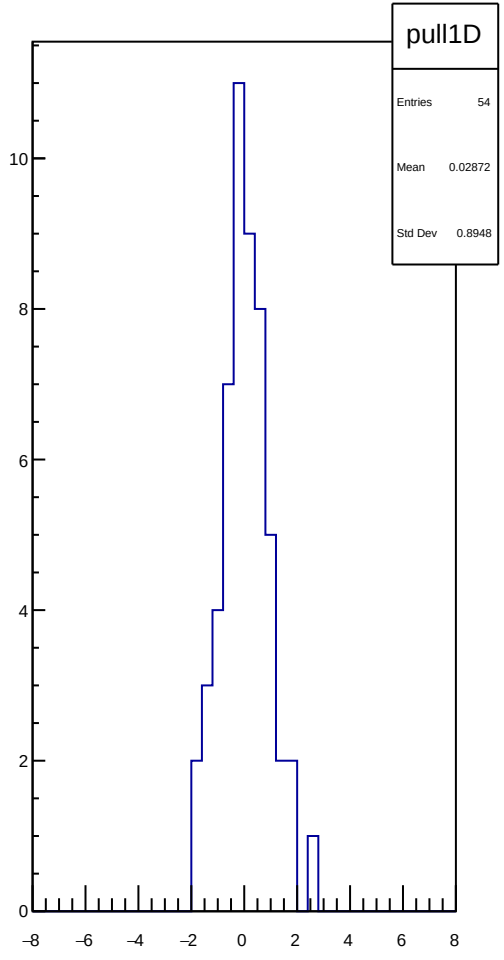
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

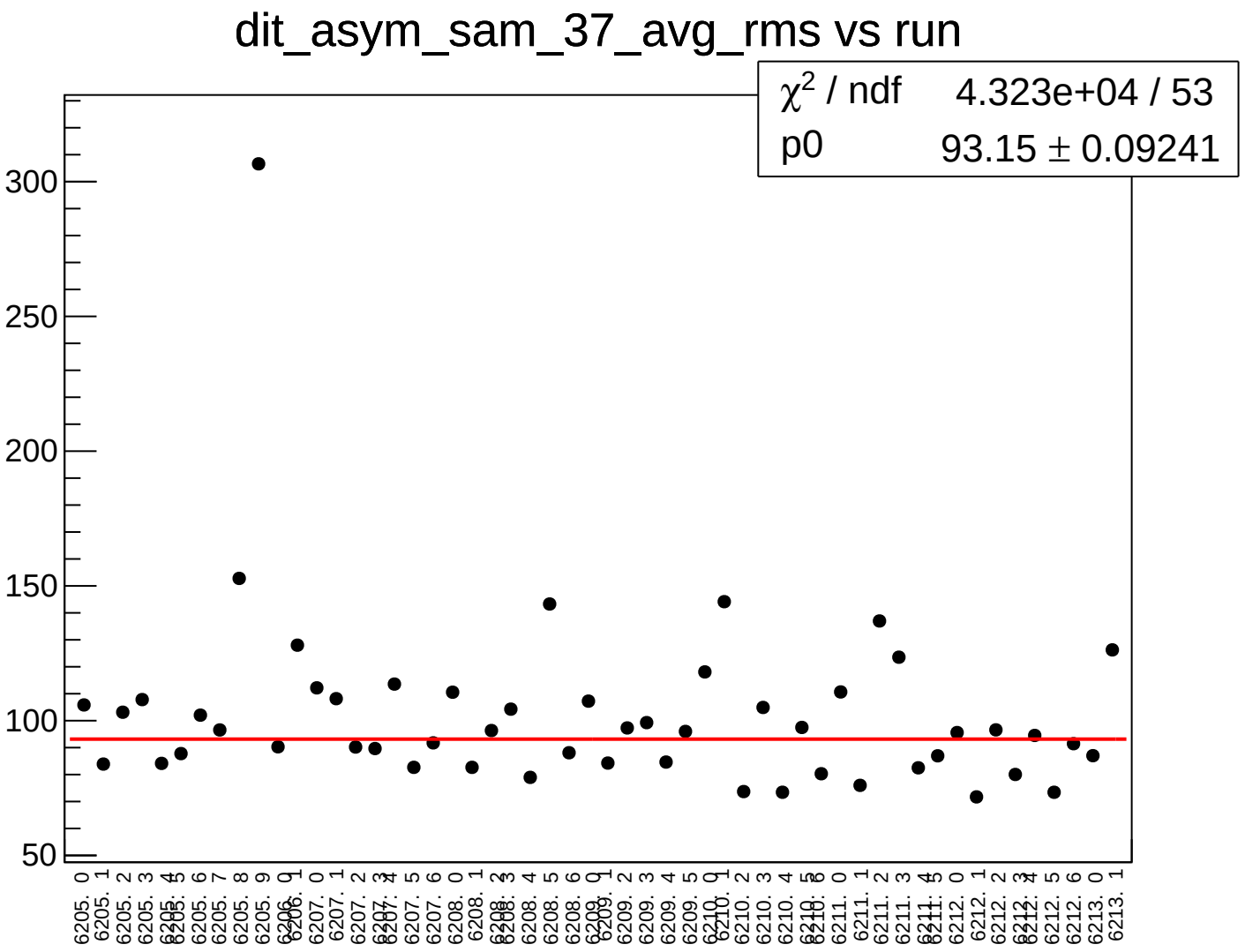

asym_sam_37_avg_eigen_cor_correction_mean vs run
χ² / ndf 41.36 / 53
p0 629.5 ± 1974
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 4.368
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

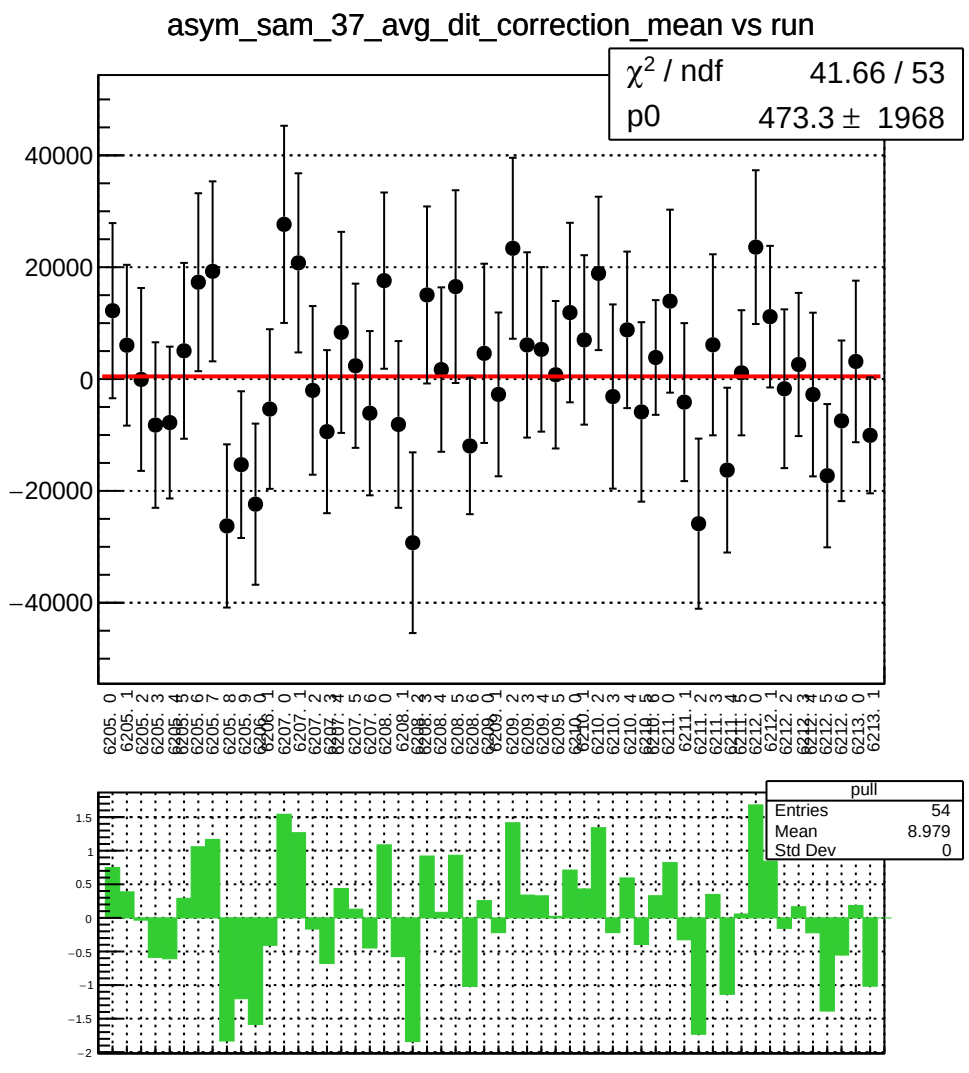

pull1D
Entries 54
Mean 0.02487
Std Dev 0.8748
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

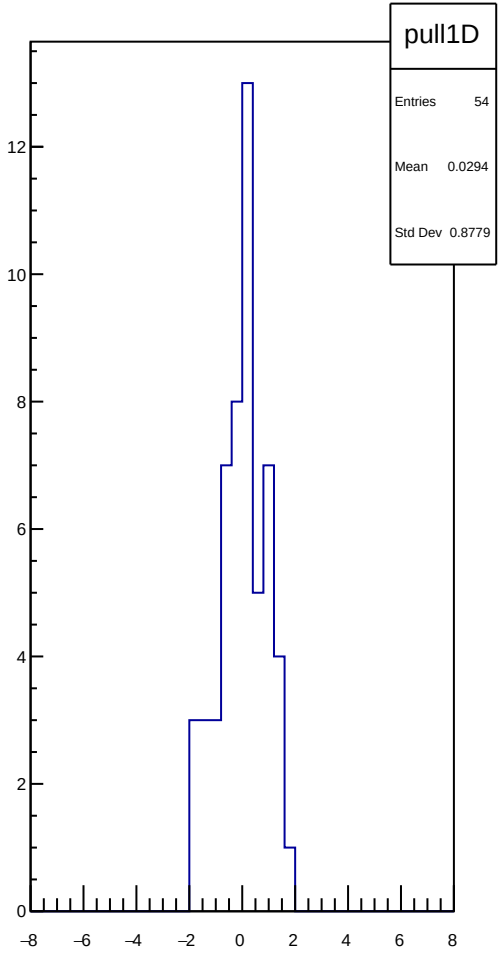

asym_sam_37_avg_eigen_cor_correction_rms vs run
χ² / ndf 8031 / 53
p0 1431 ± 1.396
1800
1700
1600
1500
1400
1300
1200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

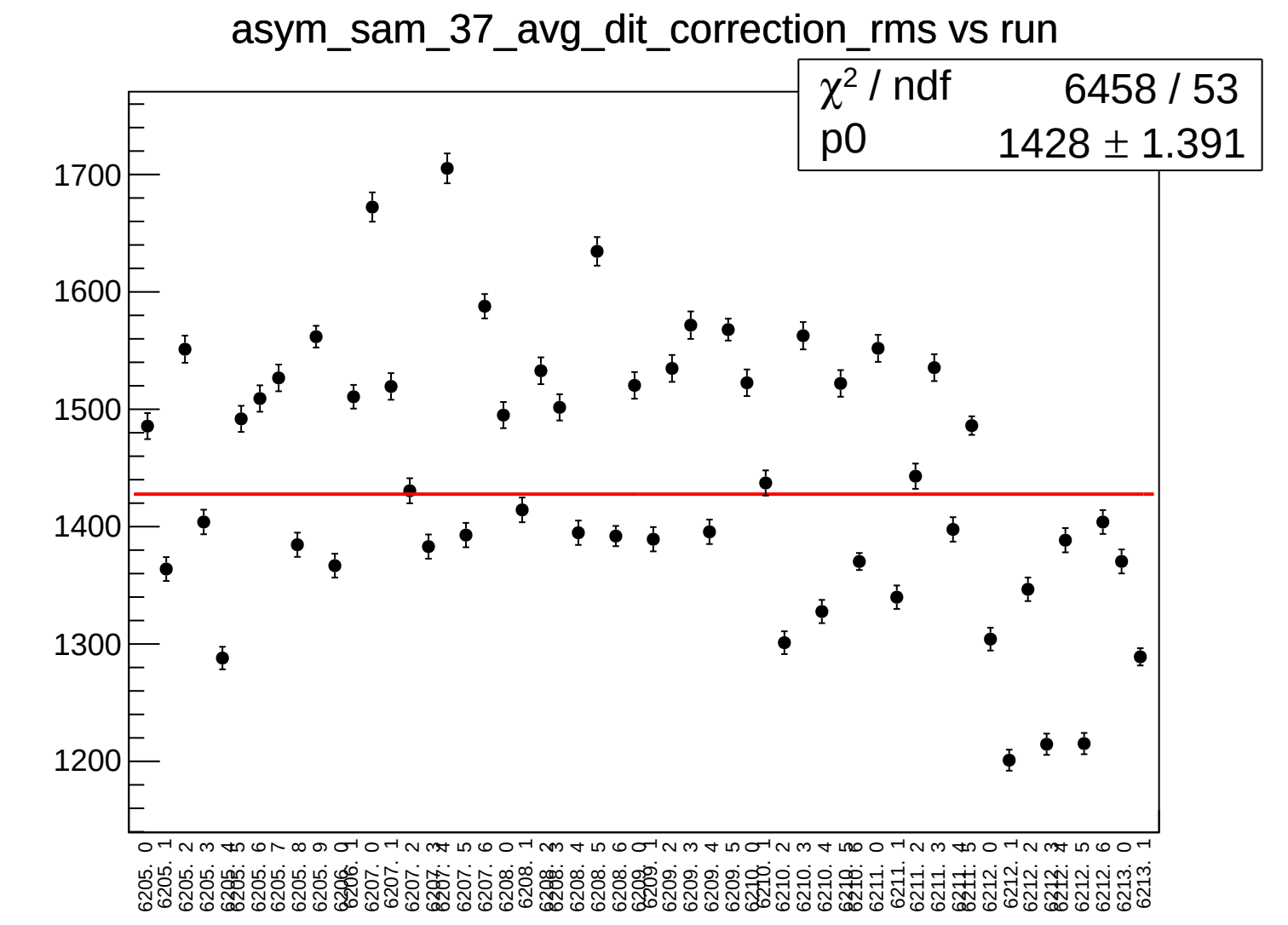

dit_asym_sam_37_avg_mean vs run
χ² / ndf 43.28 / 53
p0 −357.1± 130.7
pull
Entries 54
Mean 31.25
Std Dev 18.04

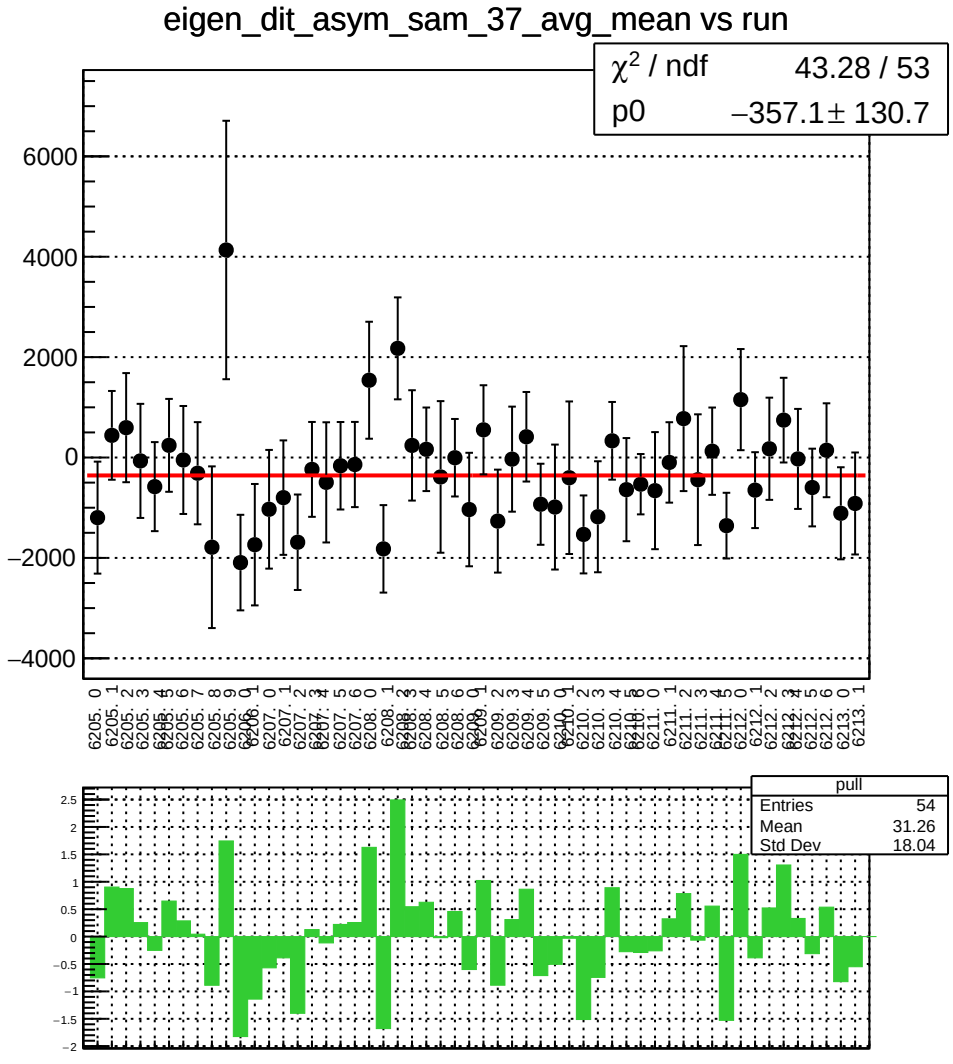

pull1D
Entries 54
Mean 0.02872
Std Dev 0.8948

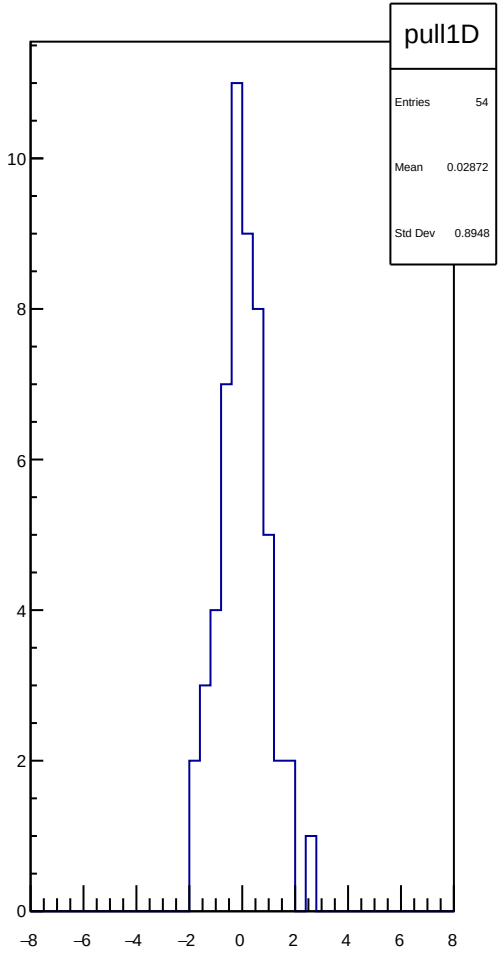

dit_asym_sam_37_avg_rms vs run
χ² / ndf 4.323e+04 / 53
p0 93.15 ± 0.09241
300
250
200
150
100
50

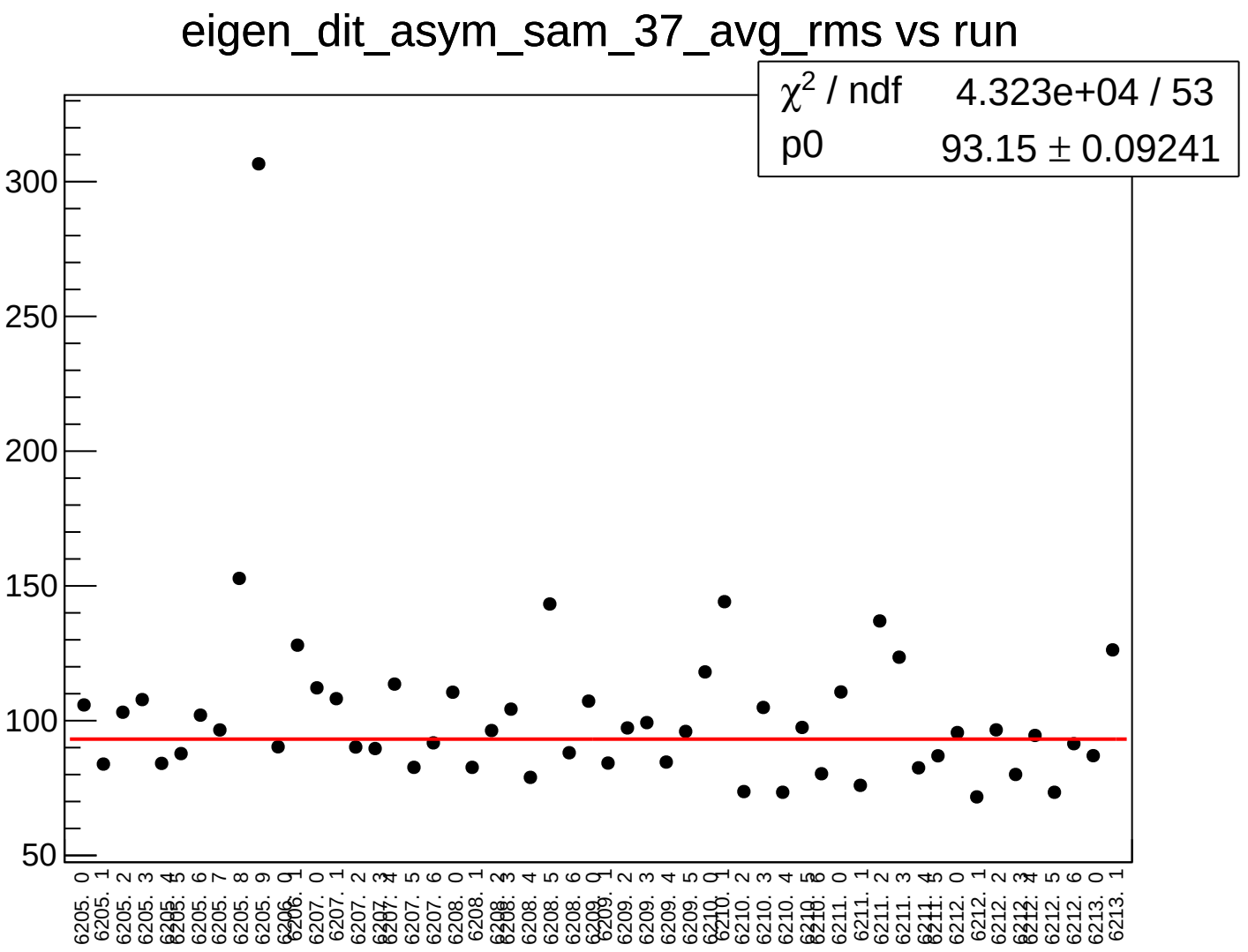

asym_sam_37_avg_dit_correction_mean vs run
χ² / ndf 41.66 / 53
p0 473.3 ± 1968
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 8.979
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

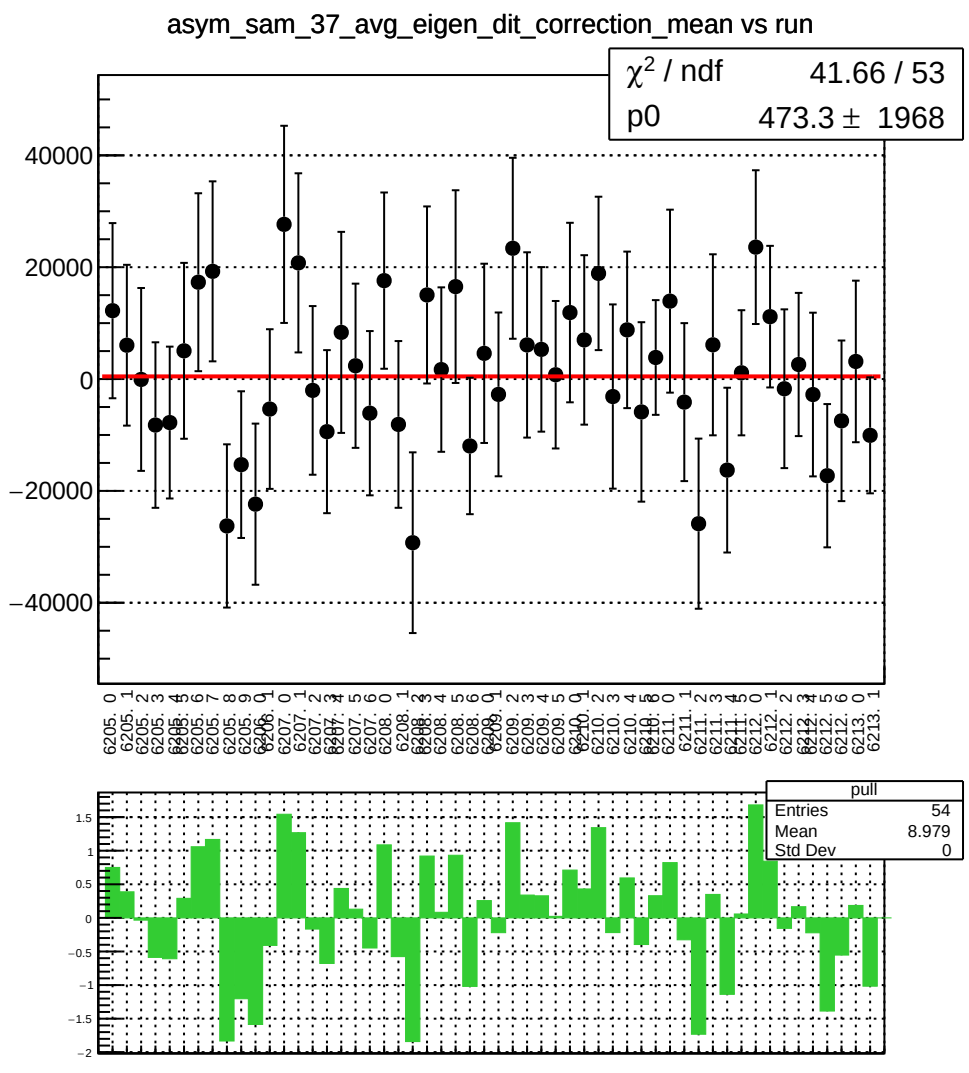

pull1D
Entries 54
Mean 0.0294
Std Dev 0.8779
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

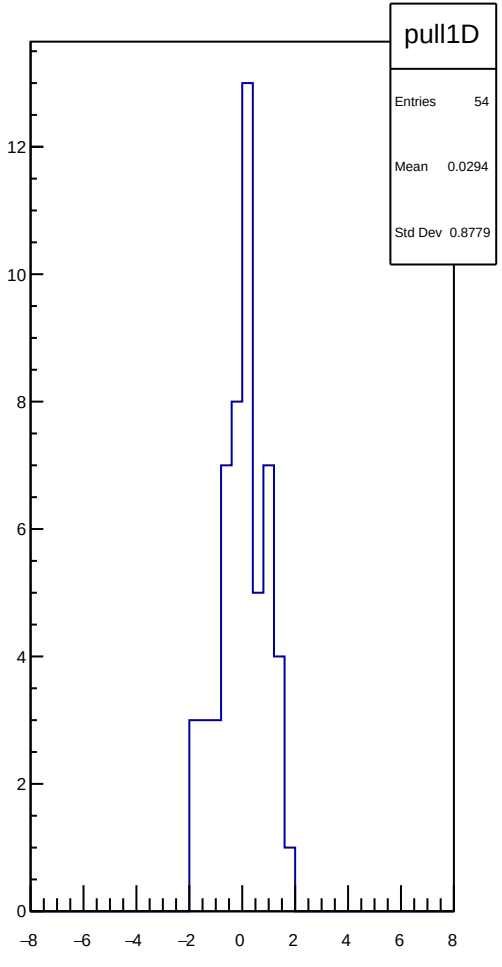

asym_sam_37_avg_dit_correction_rms vs run
χ² / ndf 6458 / 53
p0 1428 ± 1.391
1700
1600
1500
1400
1300
1200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

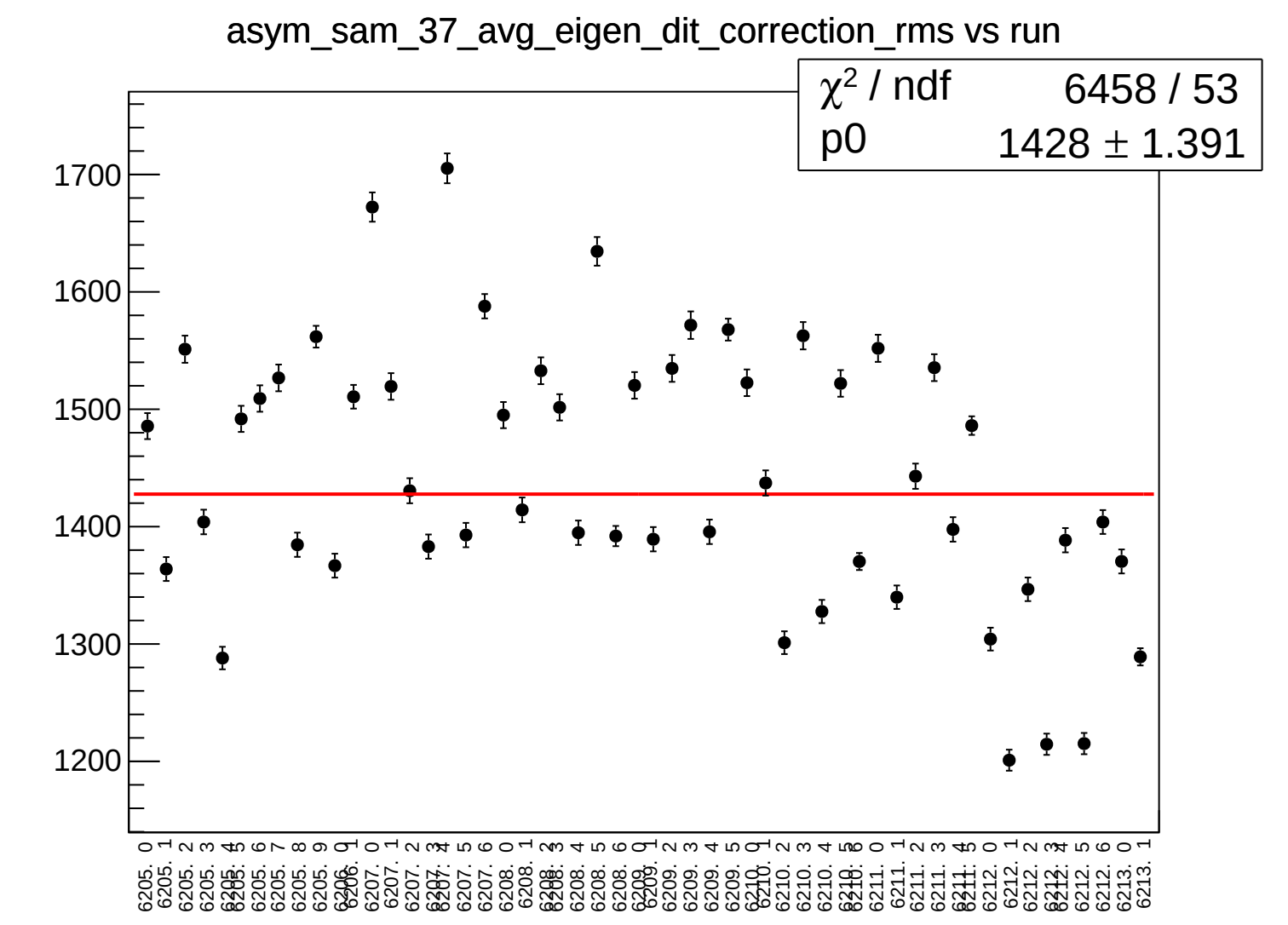

eigen_dit_asym_sam_37_avg_mean vs run
χ² / ndf 43.28 / 53
p0 −357.1± 130.7
6000
4000
2000
0
−2000
−4000
pull
Entries 54
Mean 31.26
Std Dev 18.04
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

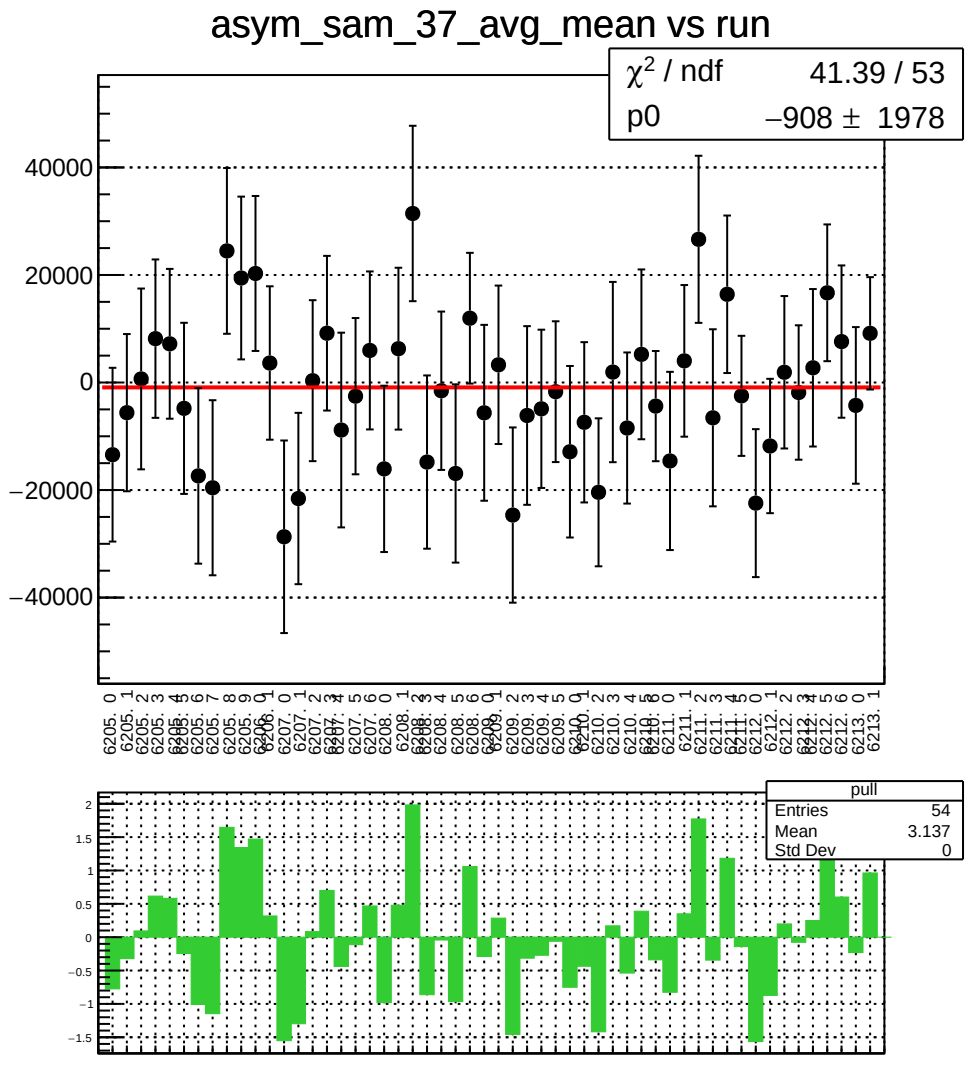

pull1D
Entries 54
Mean 0.02872
Std Dev 0.8948
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

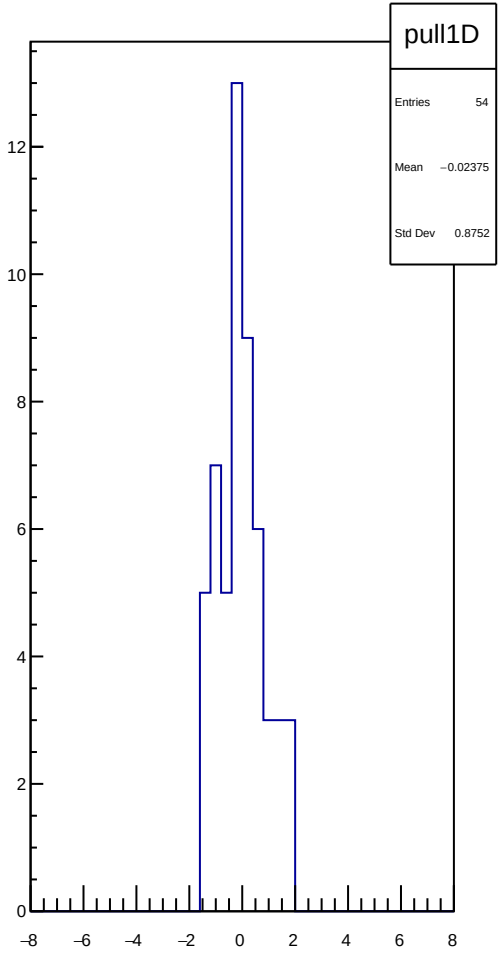

eigen_dit_asym_sam_37_avg_rms vs run
χ² / ndf 4.323e+04 / 53
p0 93.15 ± 0.09241
300
250
200
150
100
50
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

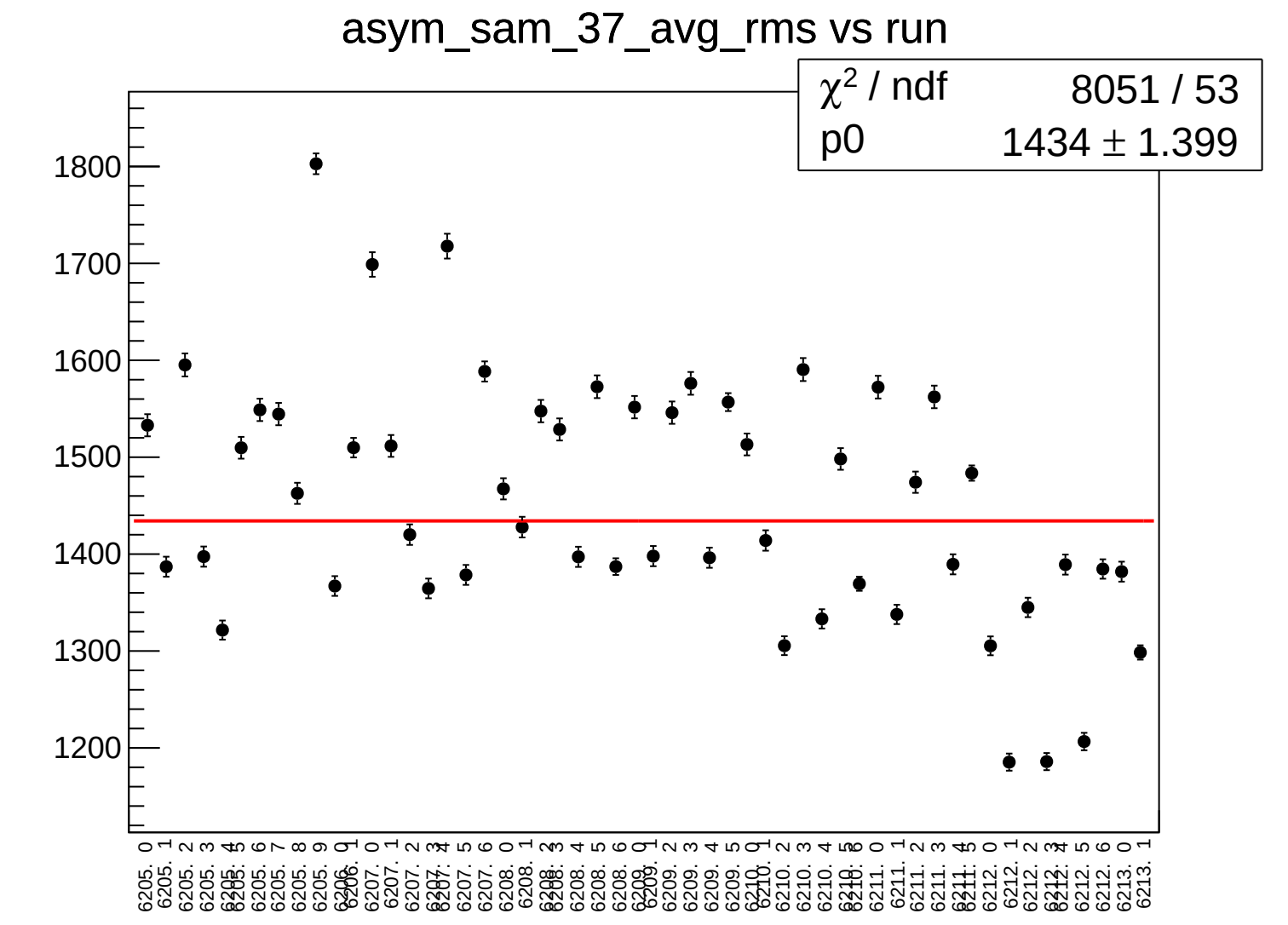

asym_sam_37_avg_eigen_dit_correction_mean vs run
χ² / ndf 41.66 / 53
p0 473.3 ± 1968
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 8.979
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

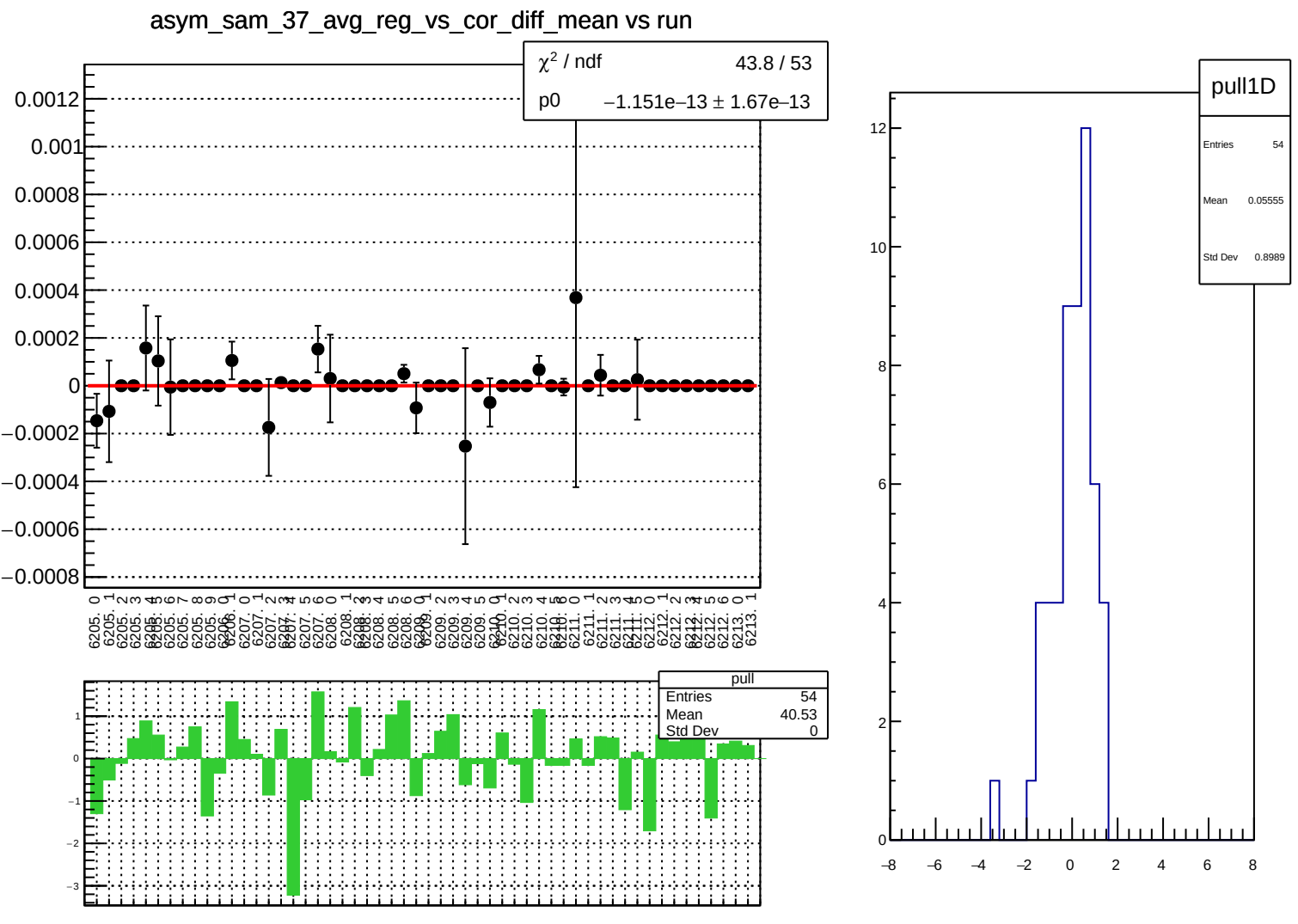

pull1D
Entries 54
Mean 0.0294
Std Dev 0.8779
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

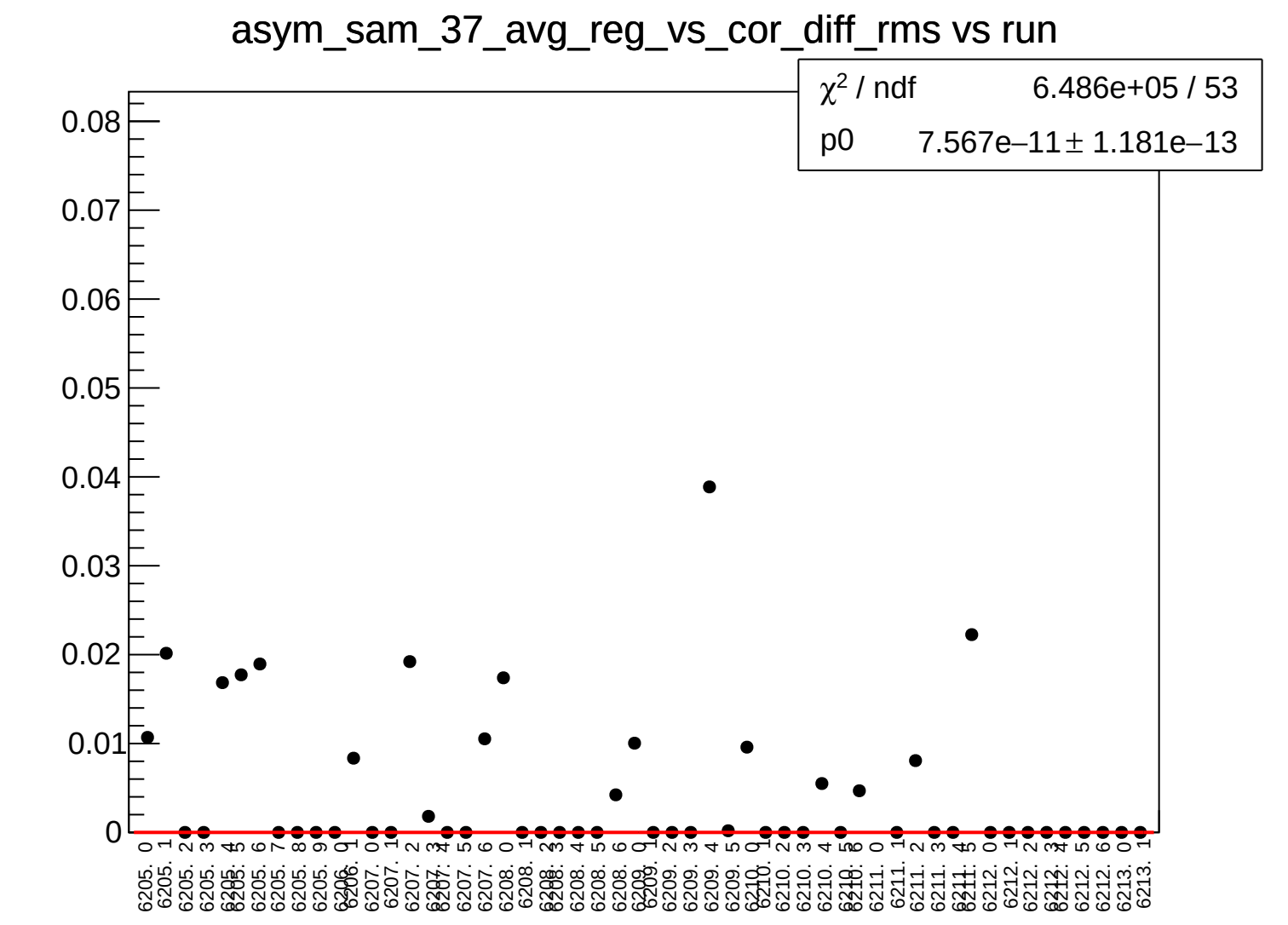

asym_sam_37_avg_eigen_dit_correction_rms vs run
χ² / ndf 6458 / 53
p0 1428 ± 1.391
1700
1600
1500
1400
1300
1200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

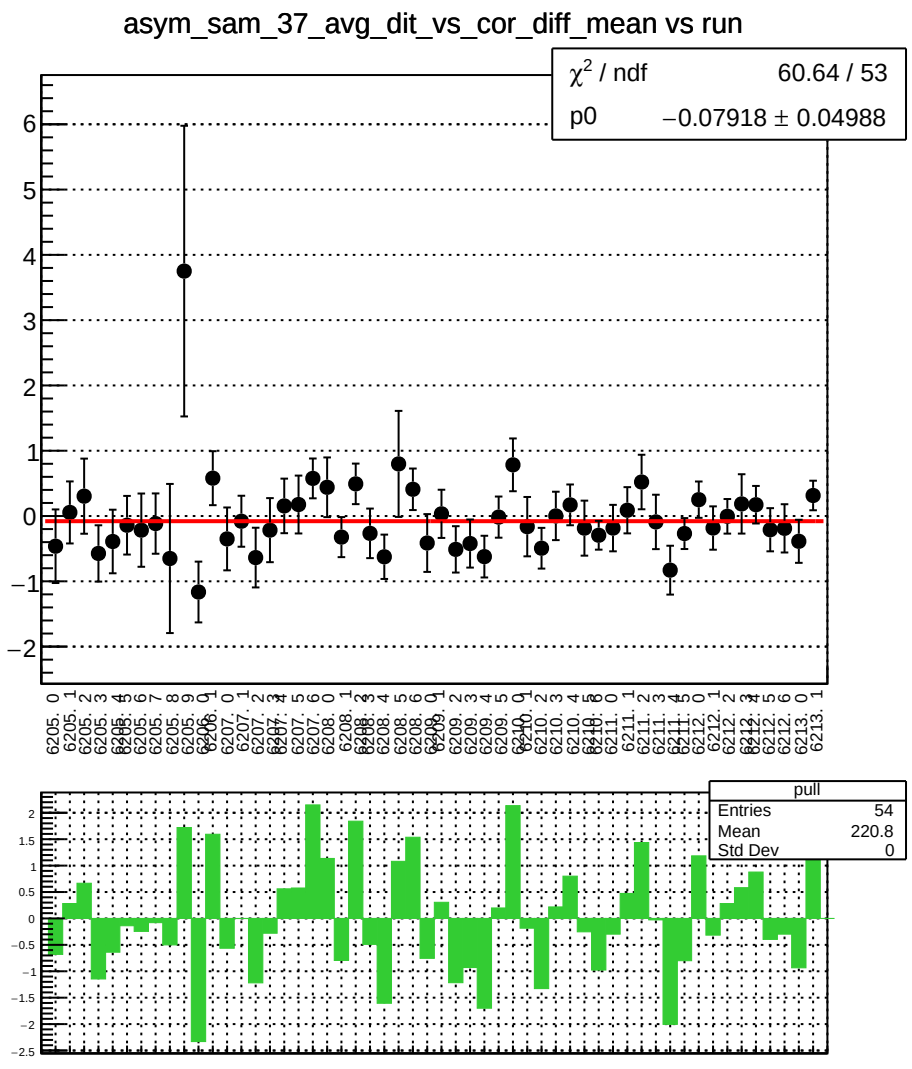

asym_sam_37_avg_mean vs run
χ² / ndf 41.39 / 53
p0 −908 ± 1978
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 3.137
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

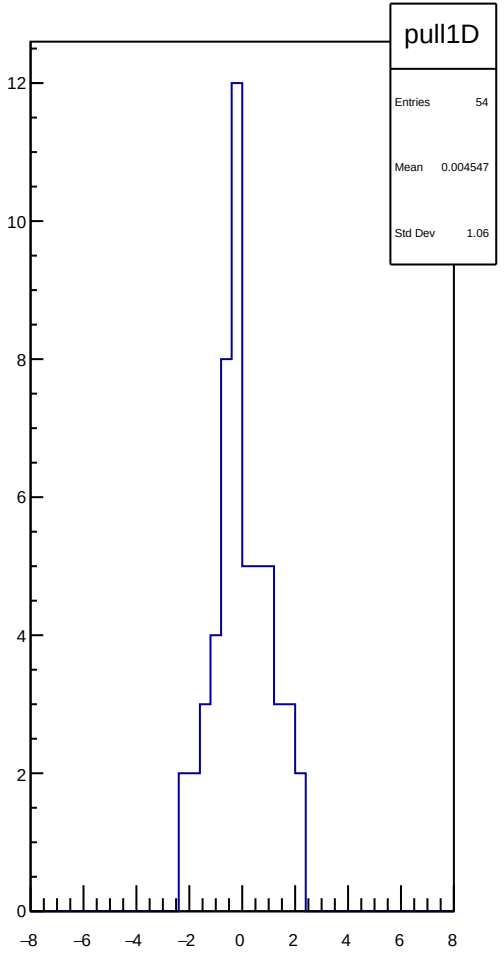

pull1D
Entries 54
Mean −0.02375
Std Dev 0.8752
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

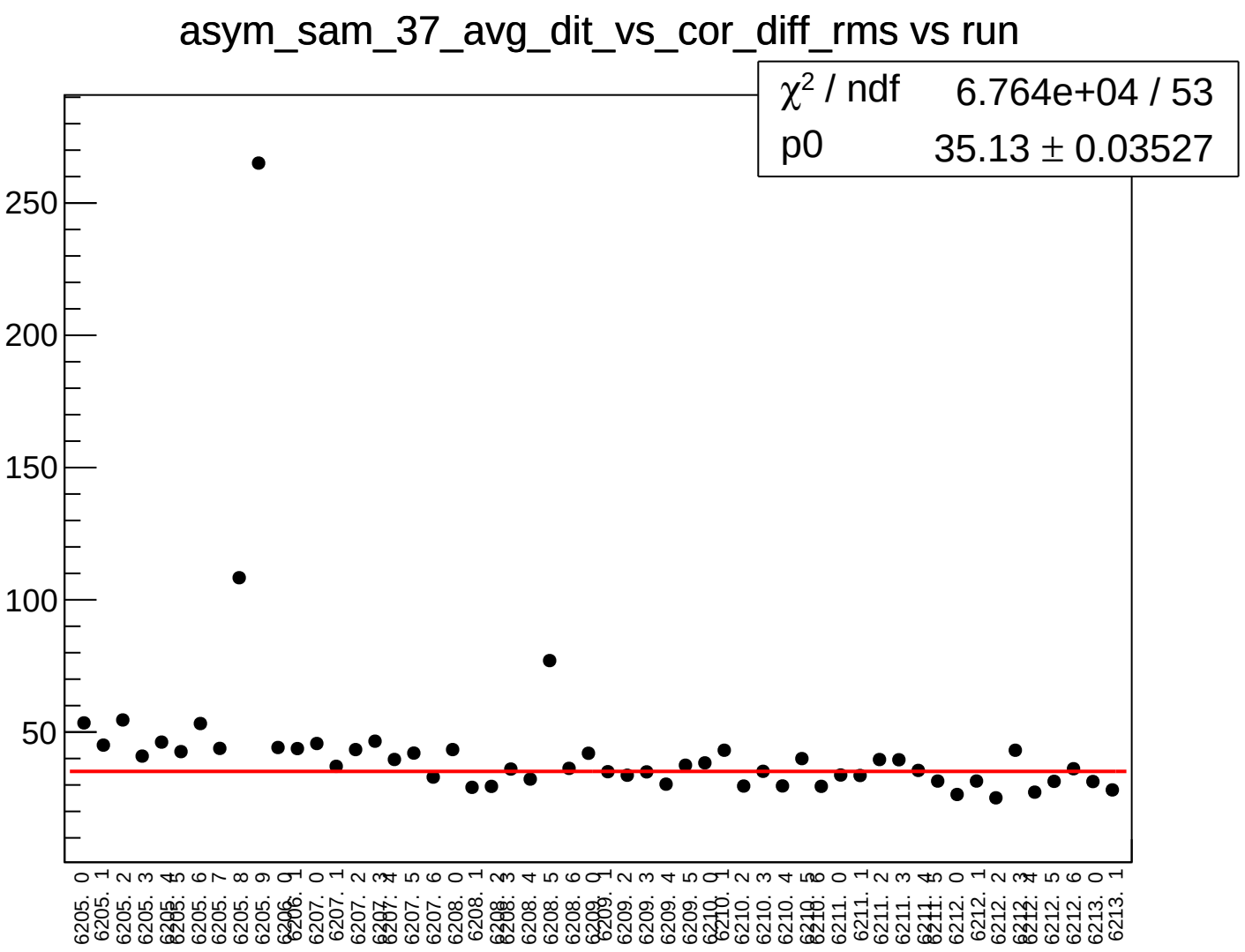

asym_sam_37_avg_rms vs run
χ^2 / ndf 8051 / 53
p0 1434 ± 1.399
1800
1700
1600
1500
1400
1300
1200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

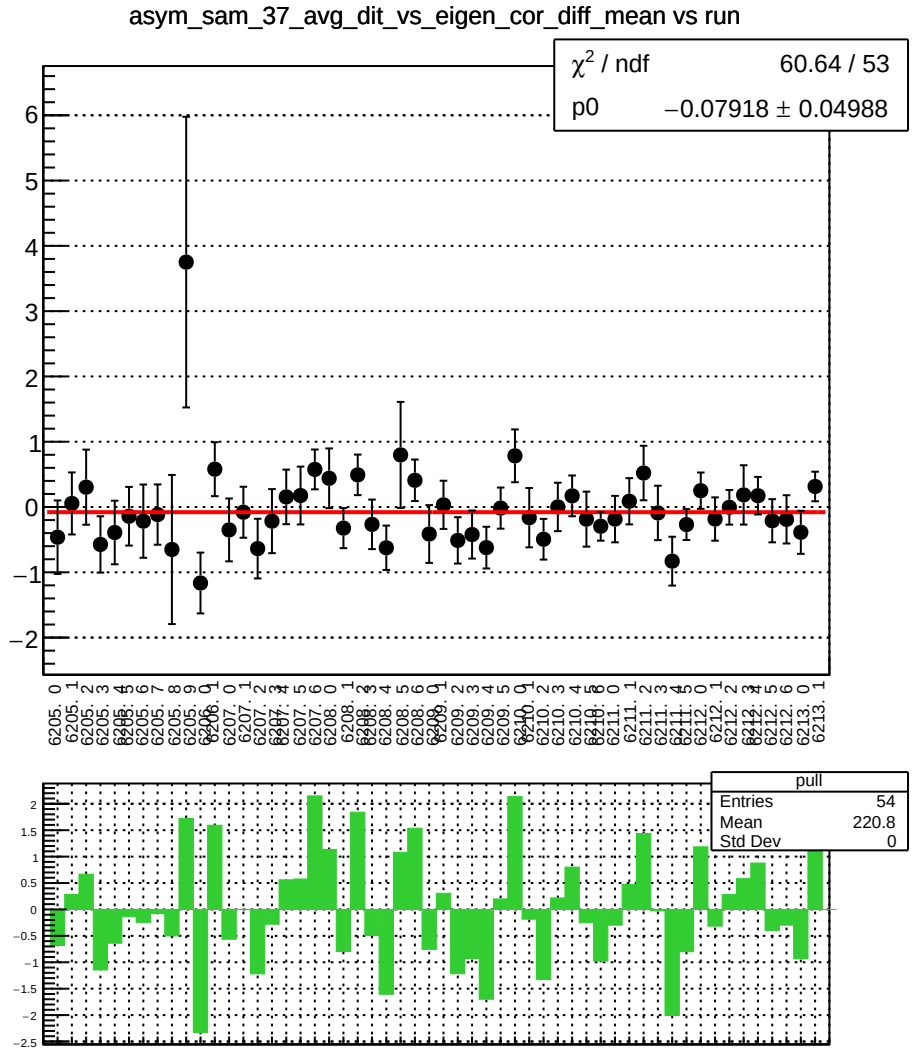

asym_sam_37_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 43.8 / 53
p0 −1.151e−13 ± 1.67e−13
pull
Entries 54
Mean 40.53
Std Dev 0
pull1D
Entries 54
Mean 0.05555
Std Dev 0.8989

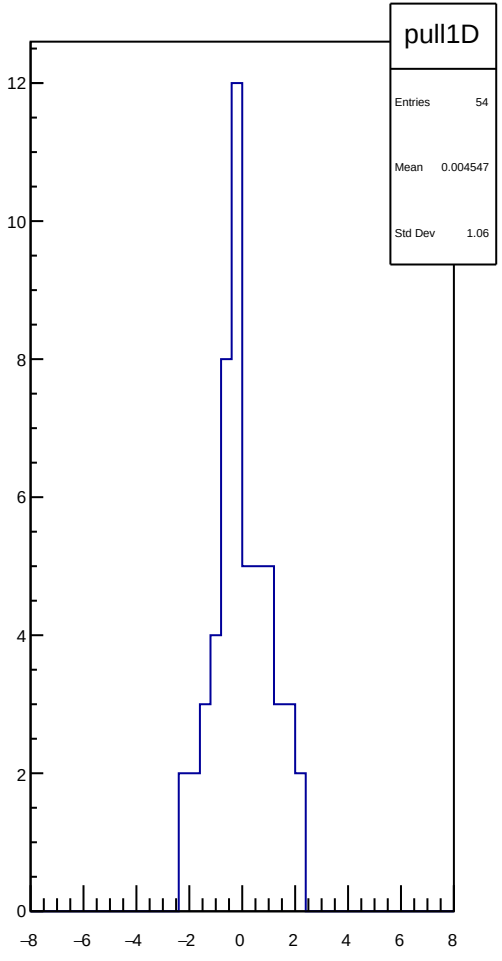

asym_sam_37_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.486e+05 / 53
p0 7.567e−11 ± 1.181e−13
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 5
6208. 6
6209. 0
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 5
6212. 6
6213. 0
6213. 1

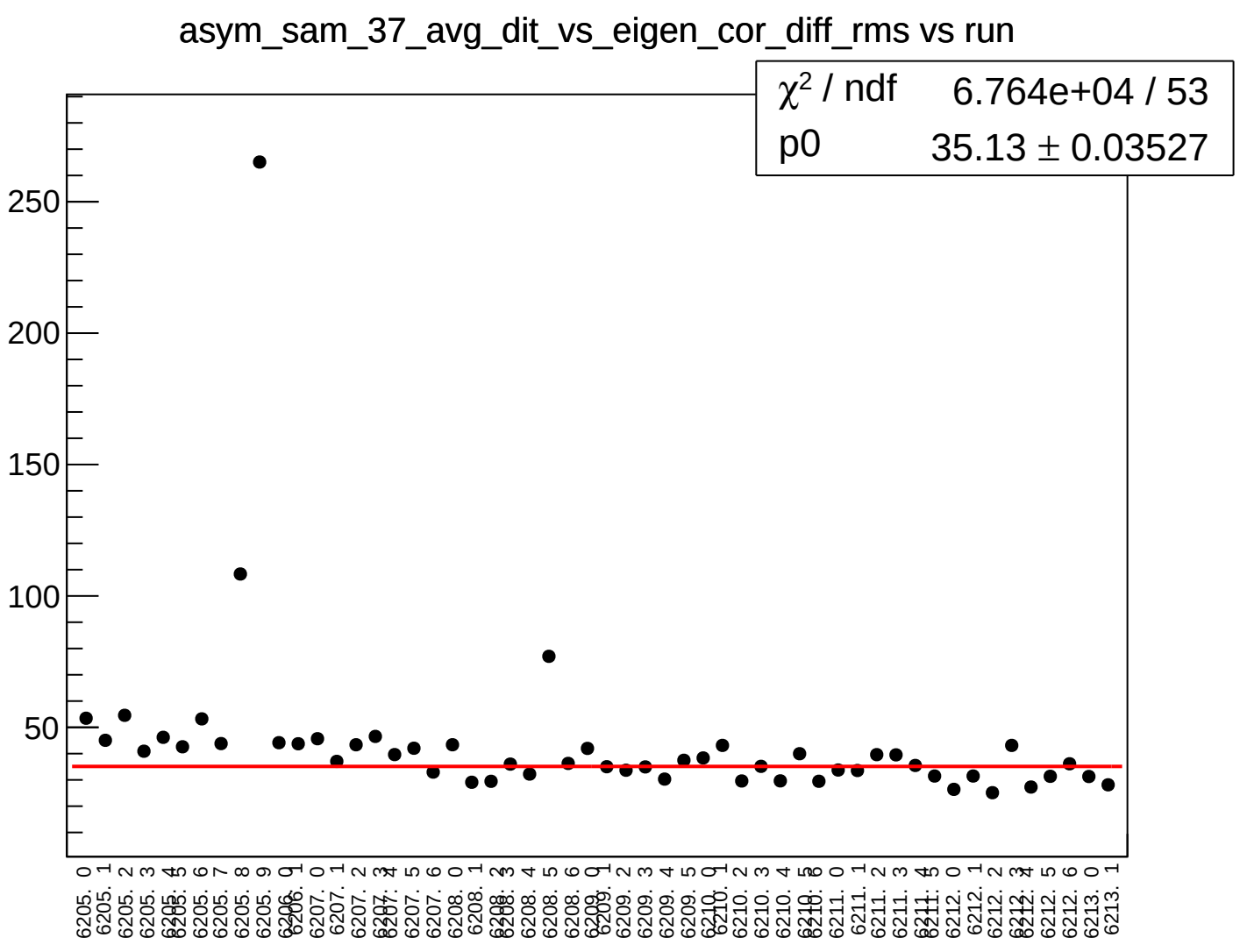

asym_sam_37_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 60.64 / 53
p0 −0.07918 ± 0.04988
pull
Entries 54
Mean 220.8
Std Dev 0

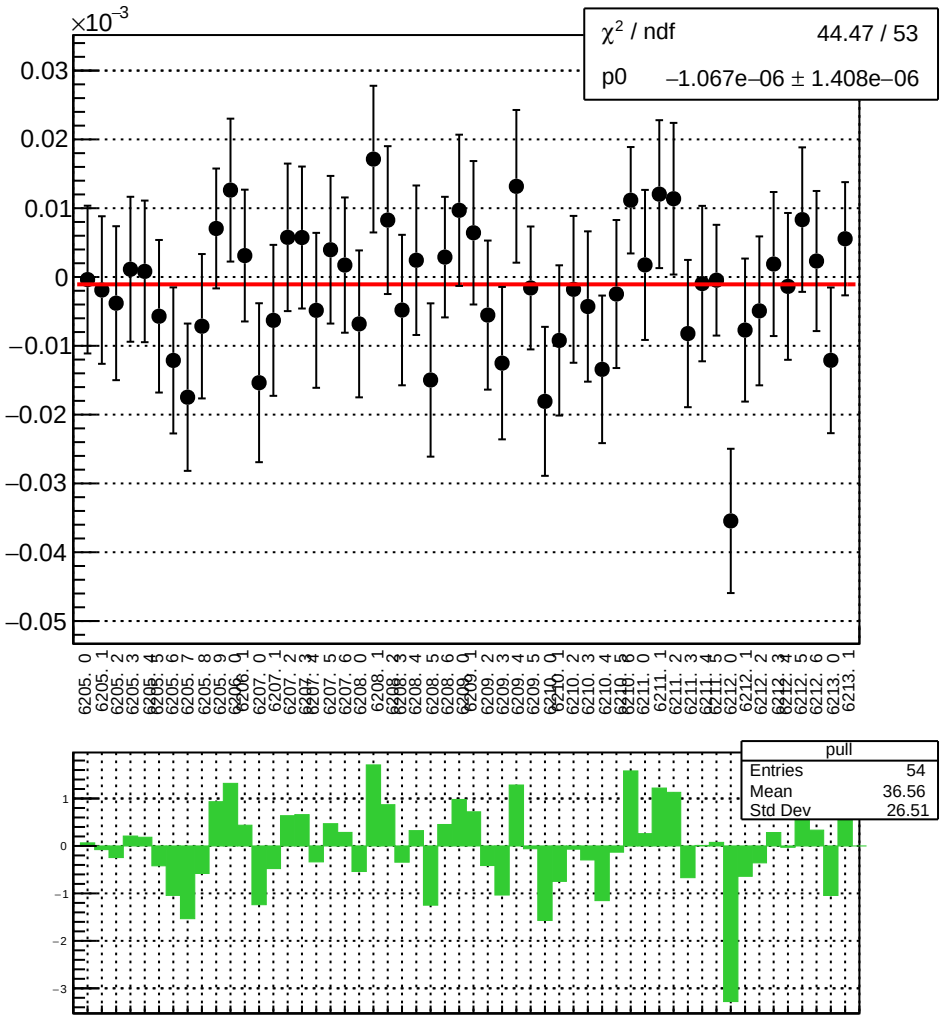

pull1D
Entries 54
Mean 0.004547
Std Dev 1.06

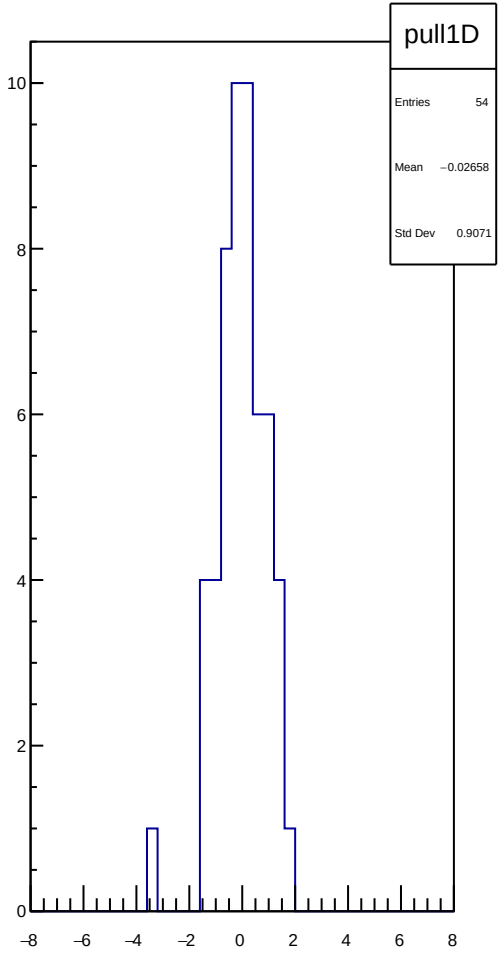

asym_sam_37_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 6.764e+04 / 53
p0 35.13 ± 0.03527
250
200
150
100
50
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

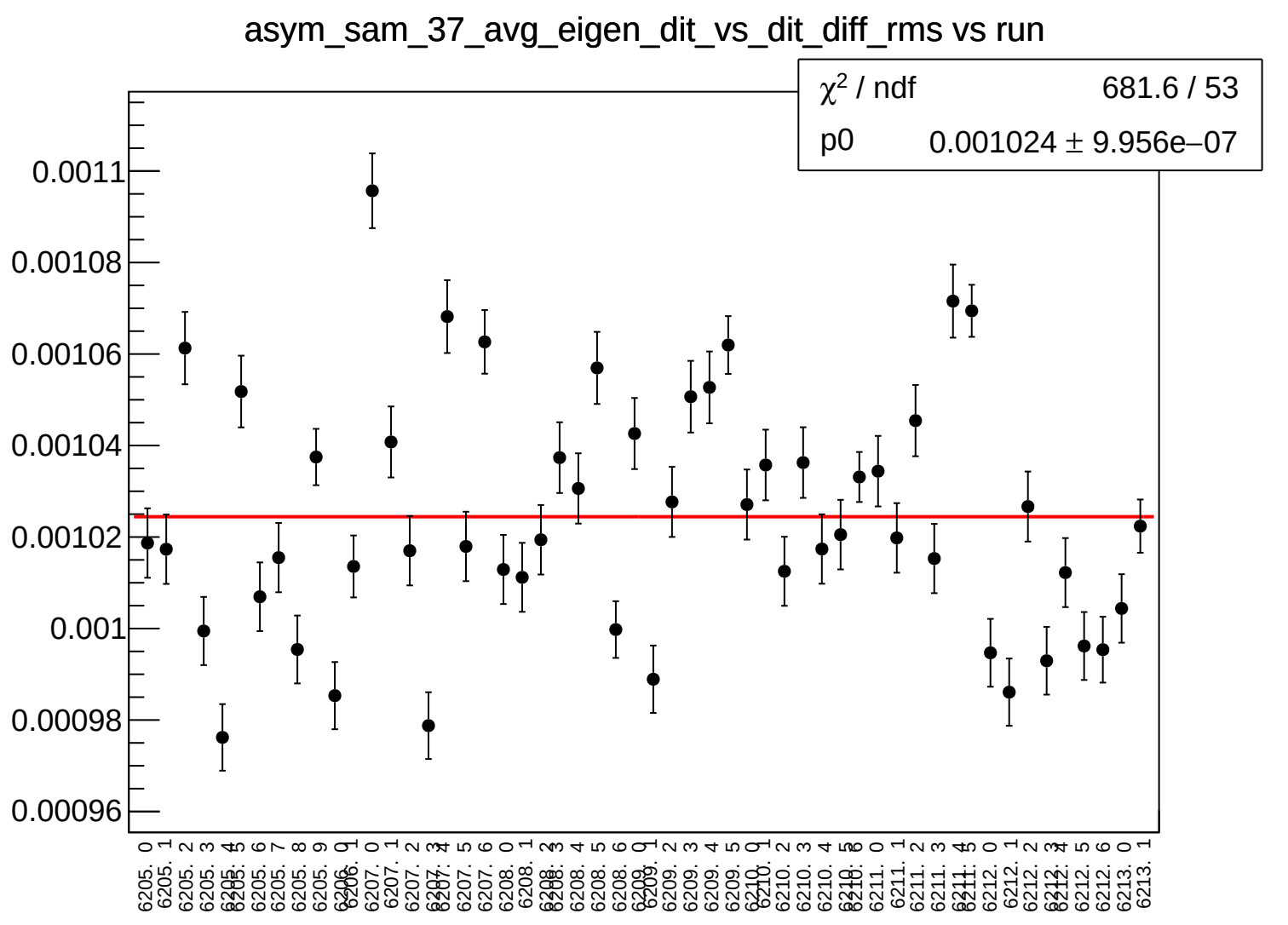

asym_sam_37_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 60.64 / 53
p0 −0.07918 ± 0.04988
pull
Entries 54
Mean 220.8
Std Dev 0

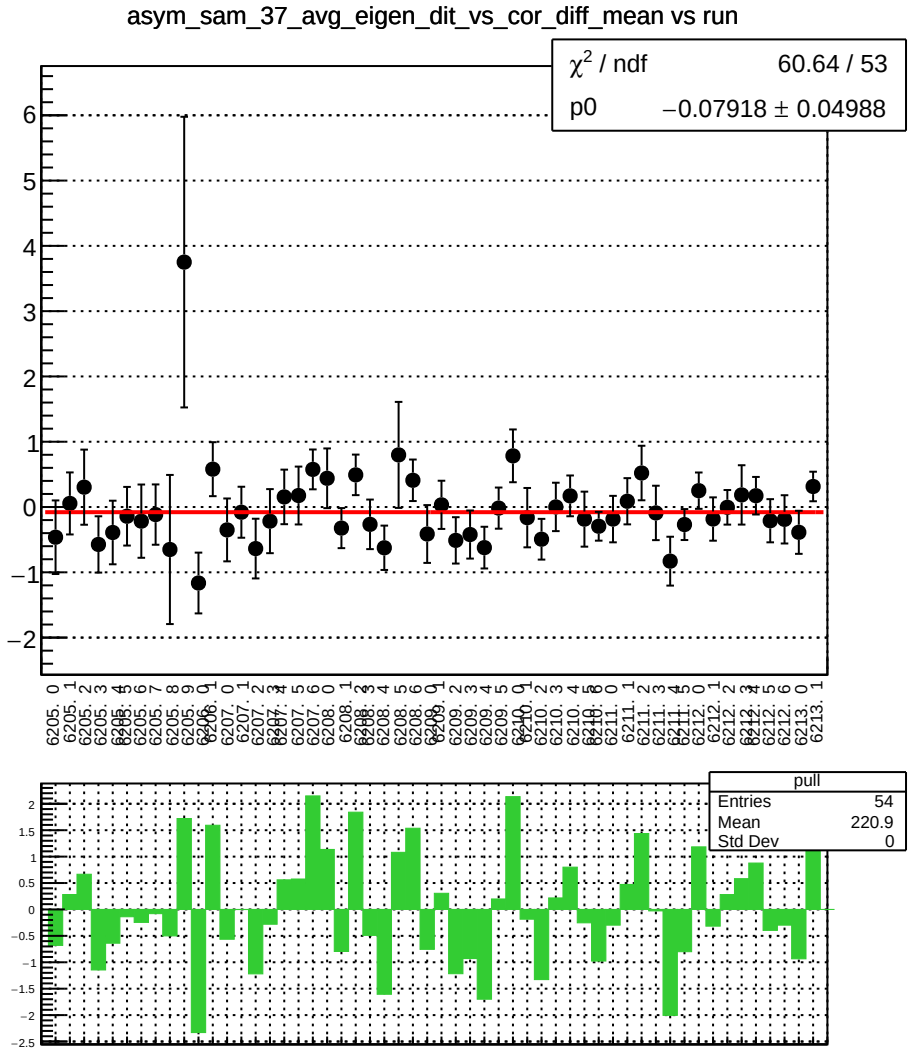

pull1D
Entries 54
Mean 0.004547
Std Dev 1.06

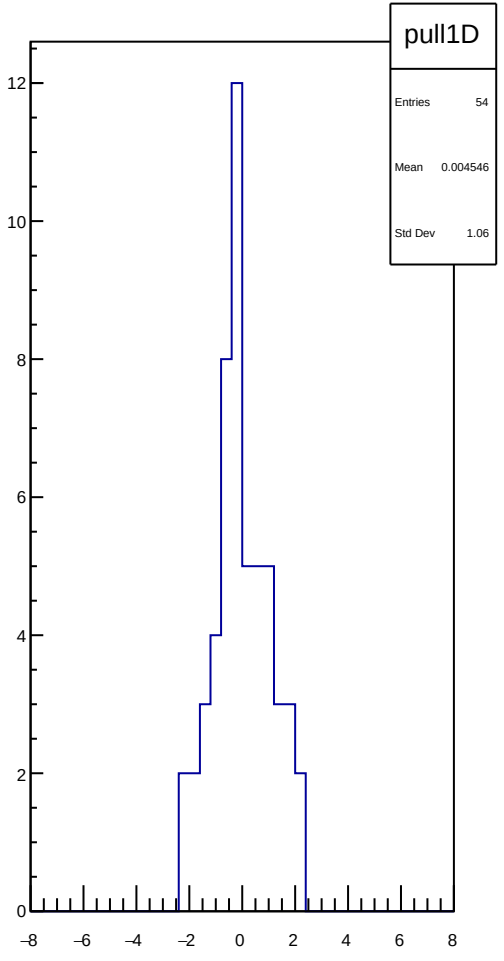

asym_sam_37_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.764e+04 / 53
p0 35.13 ± 0.03527
250
200
150
100
50

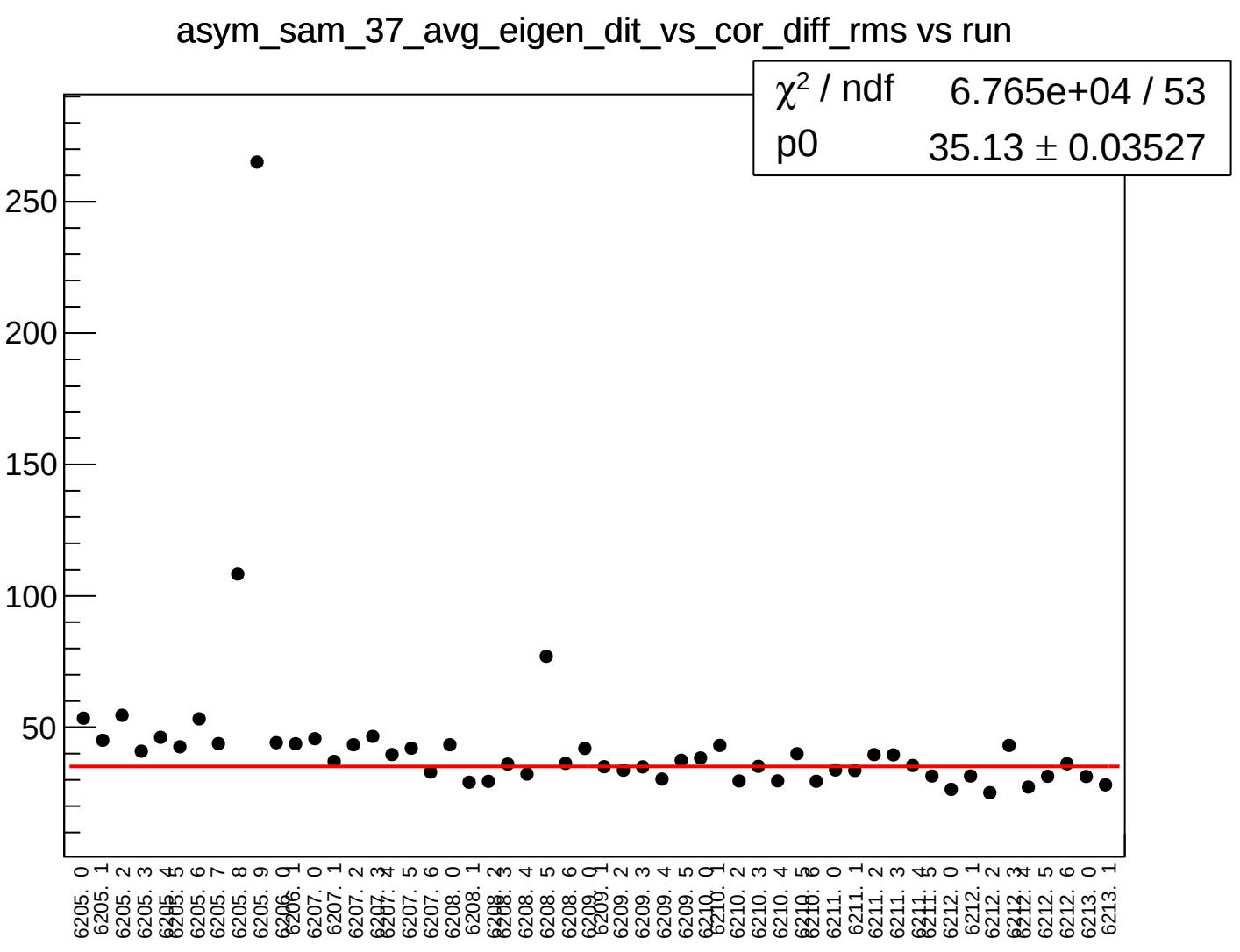

asym_sam_37_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 44.47 / 53
p0 −1.067e−06 ± 1.408e−06
pull
Entries 54
Mean 36.56
Std Dev 26.51

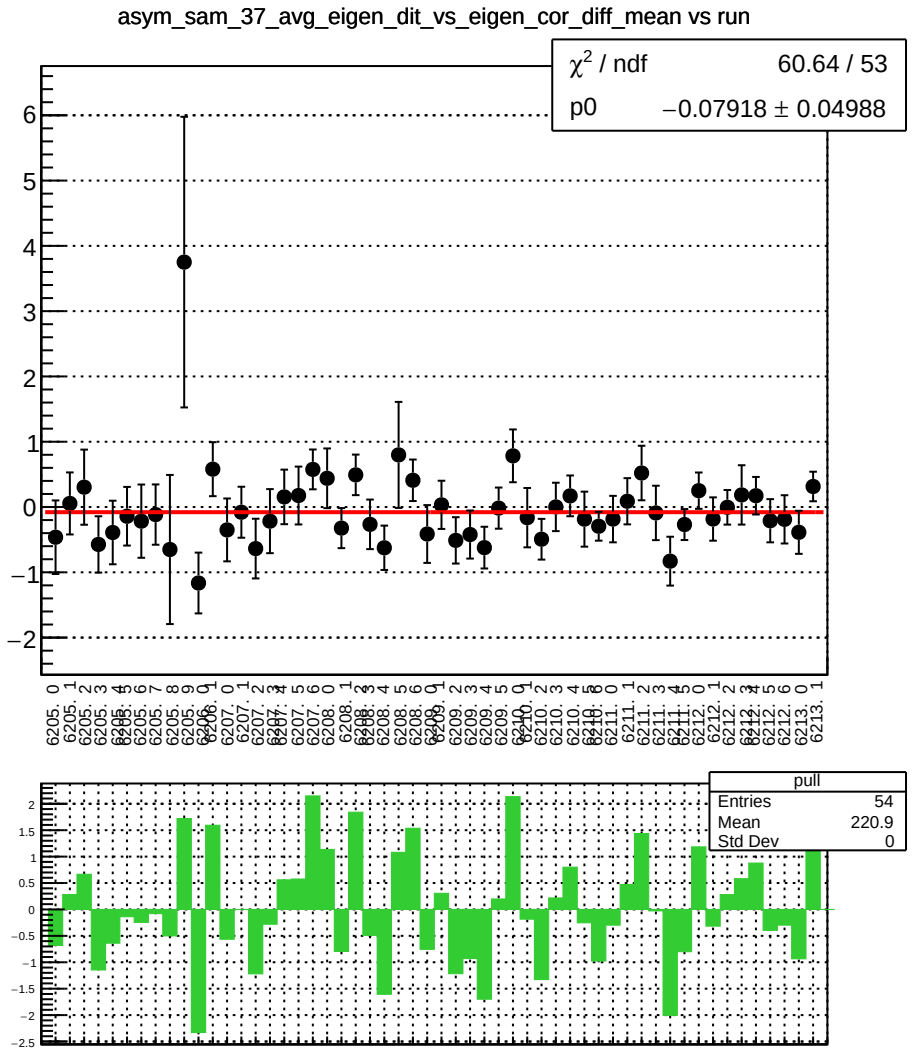

pull1D
Entries 54
Mean −0.02658
Std Dev 0.9071

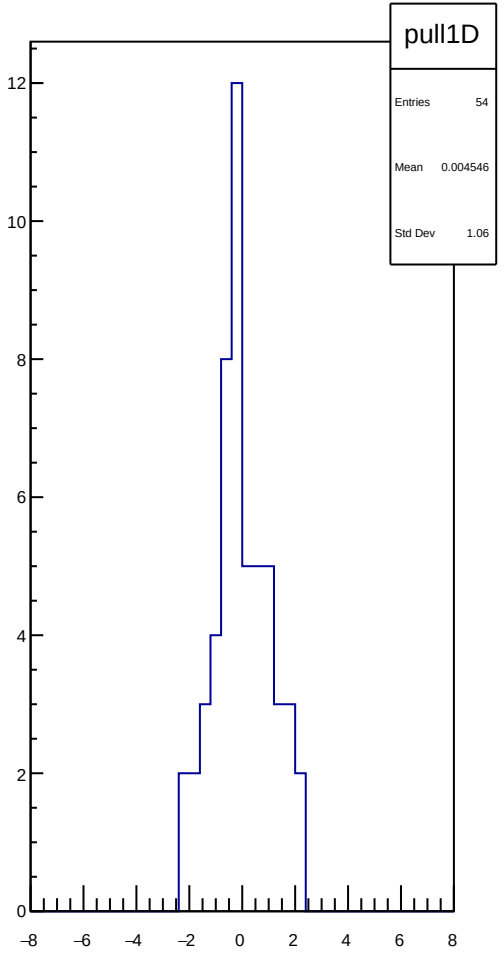

asym_sam_37_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 681.6 / 53
p0 0.001024 ± 9.956e−07
0.0011
0.00108
0.00106
0.00104
0.00102
0.001
0.00098
0.00096

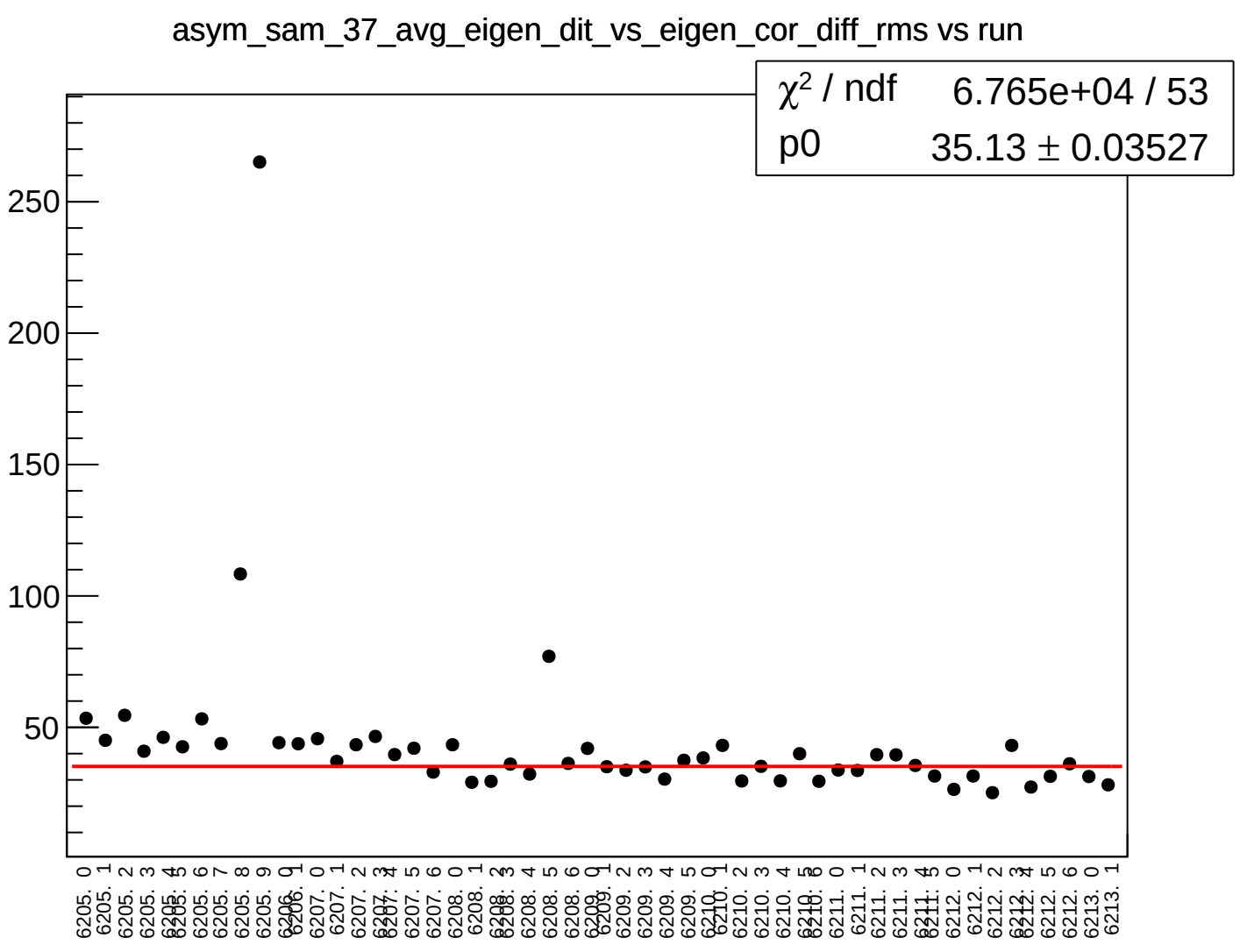

asym_sam_37_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 60.64 / 53
p0 −0.07918 ± 0.04988
pull
Entries 54
Mean 220.9
Std Dev 0


pull1D
Entries 54
Mean 0.004546
Std Dev 1.06


asym_sam_37_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 6.765e+04 / 53
p0 35.13 ± 0.03527
250
200
150
100
50


asym_sam_37_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 60.64 / 53
p0 −0.07918 ± 0.04988
pull
Entries 54
Mean 220.9
Std Dev 0


pull1D
Entries 54
Mean 0.004546
Std Dev 1.06


asym_sam_37_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.765e+04 / 53
p0 35.13 ± 0.03527
250
200
150
100
50
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
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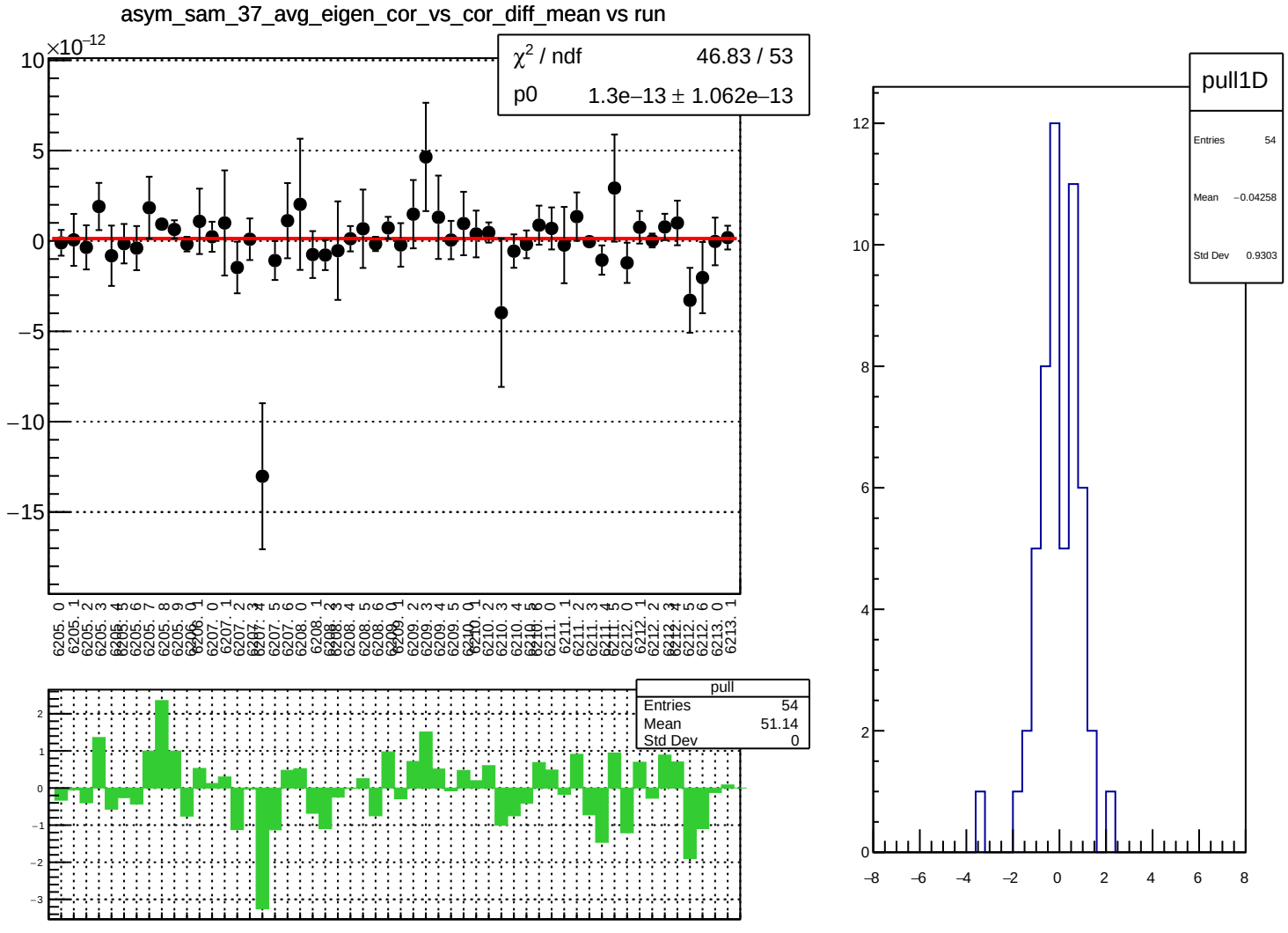
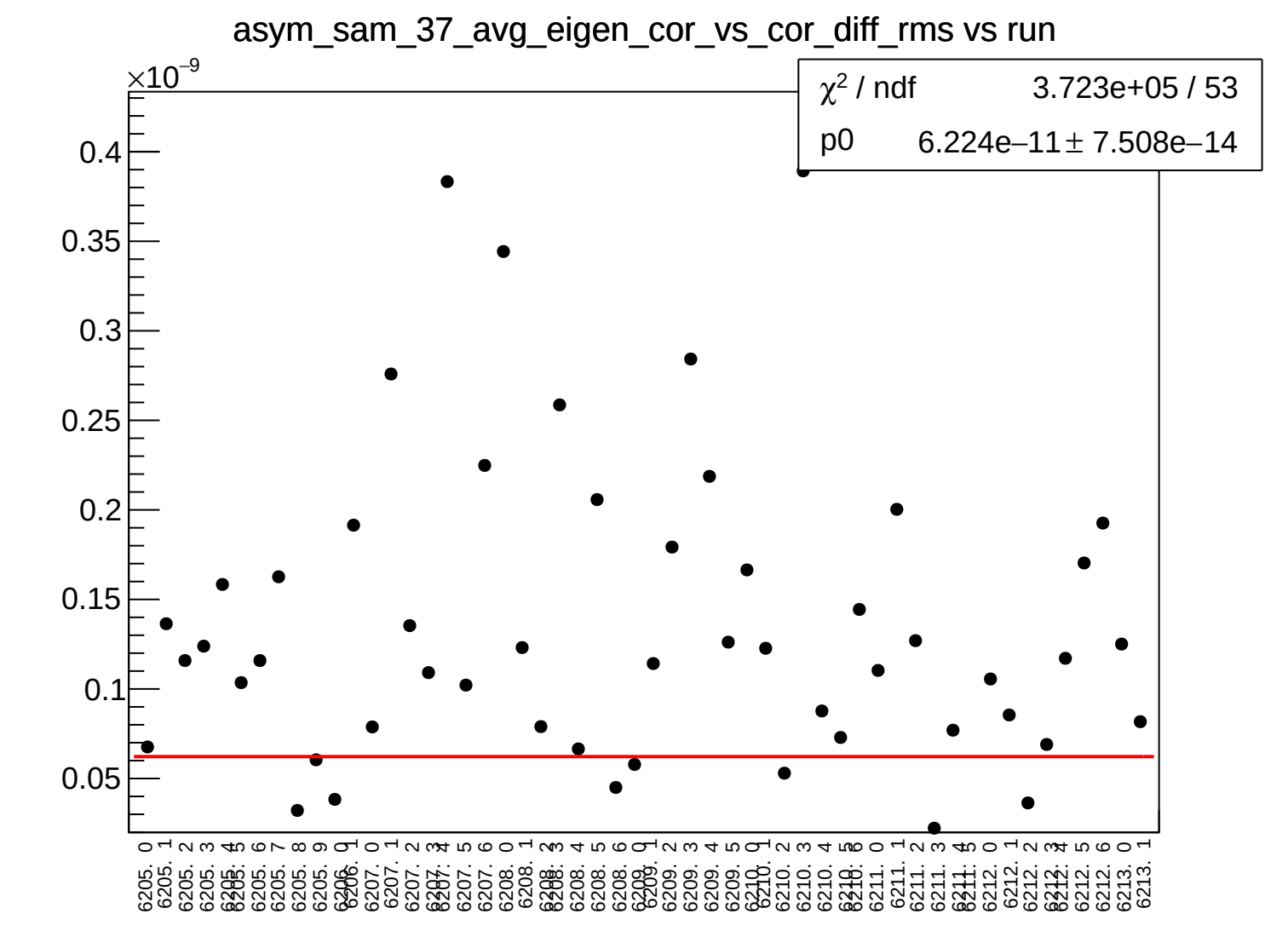
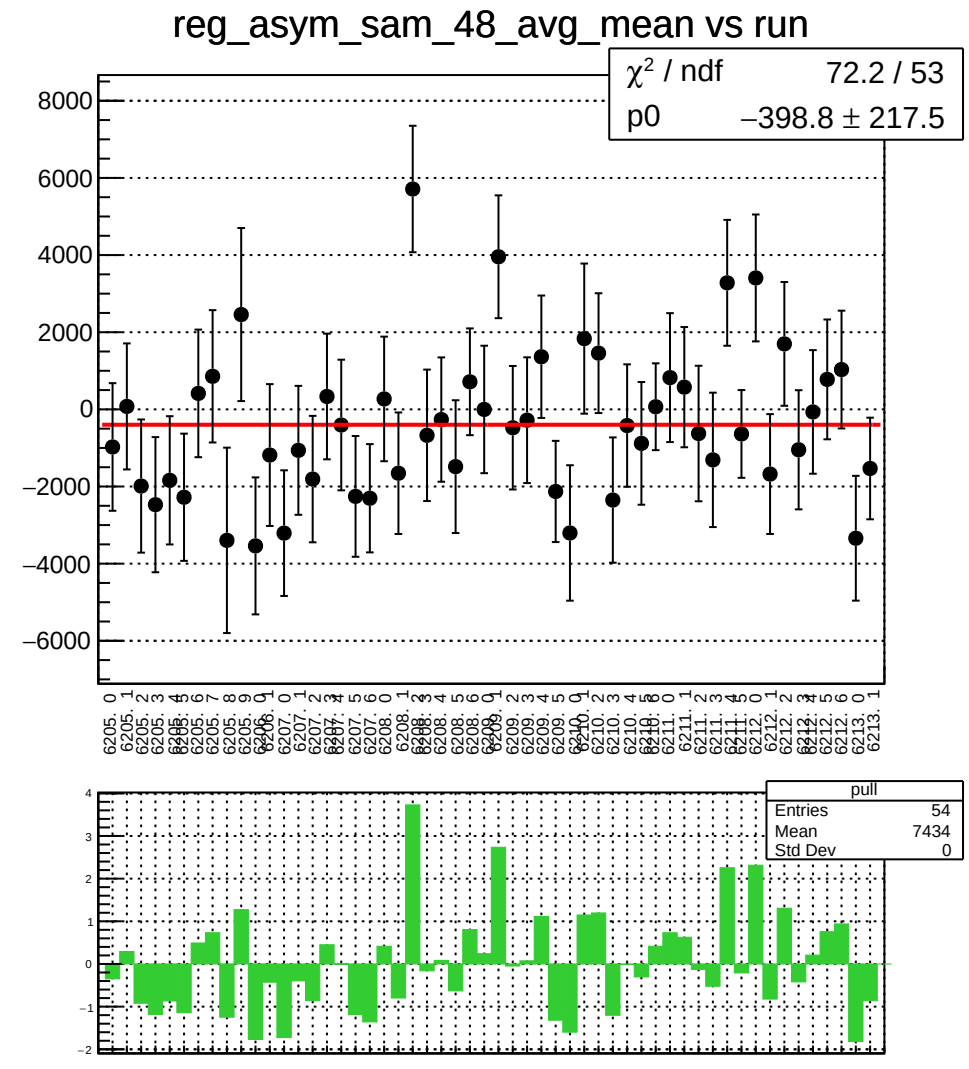
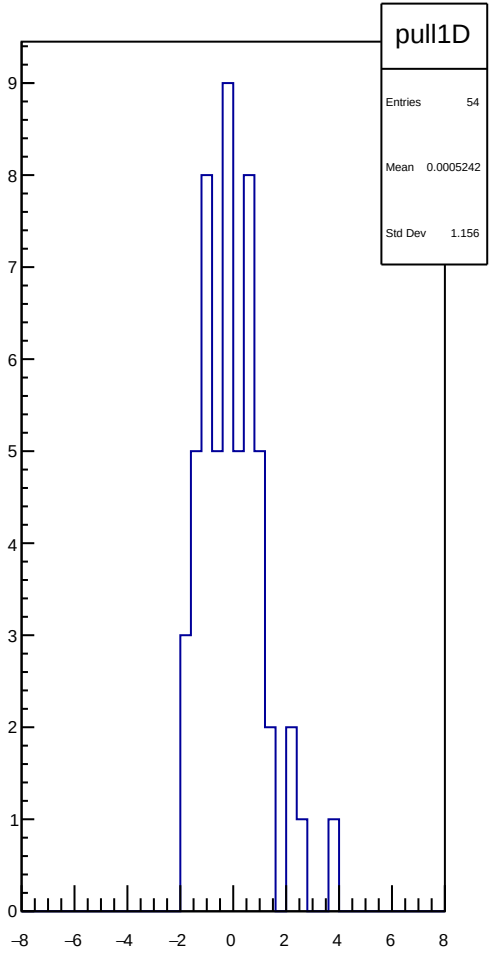
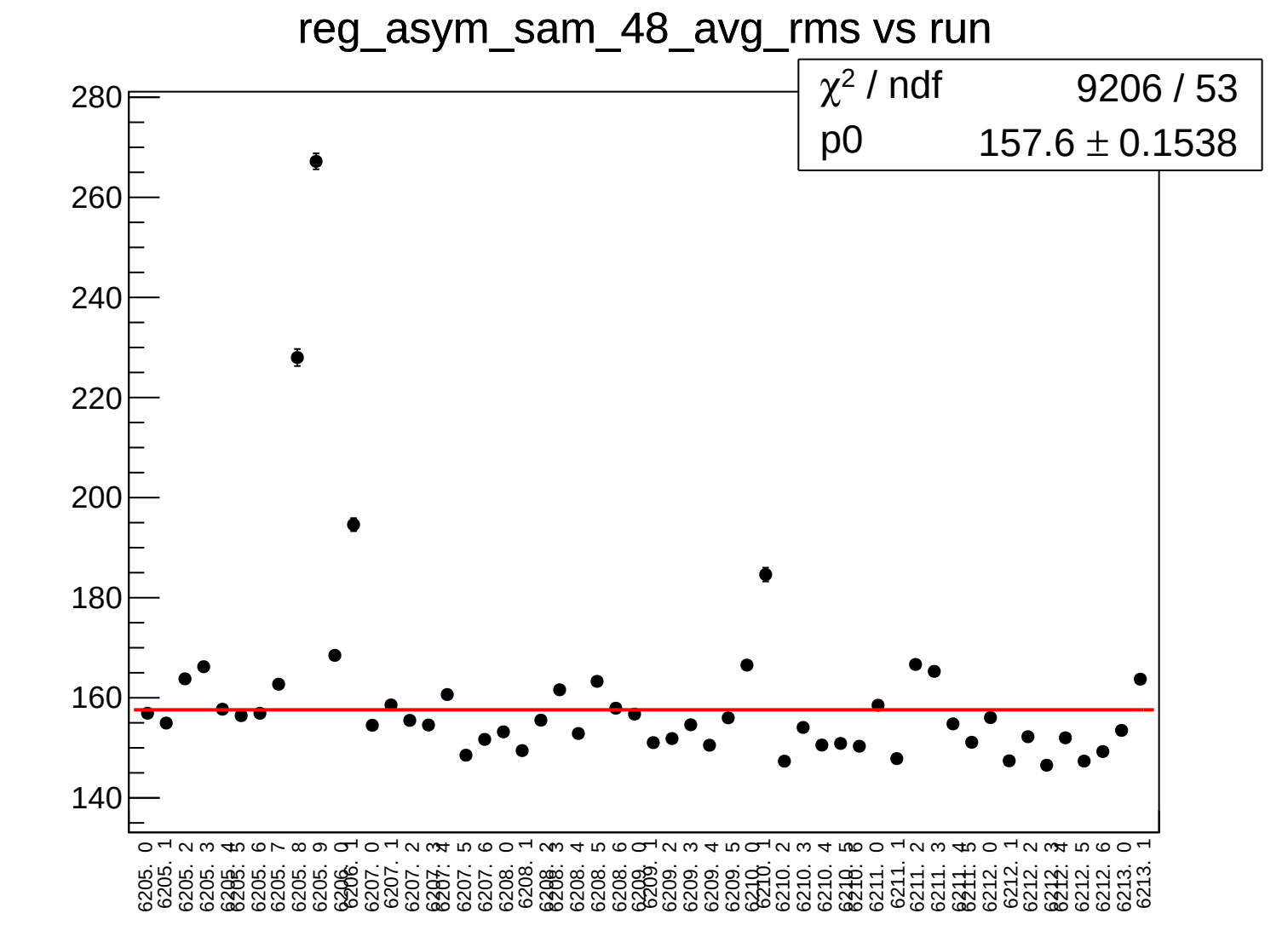
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

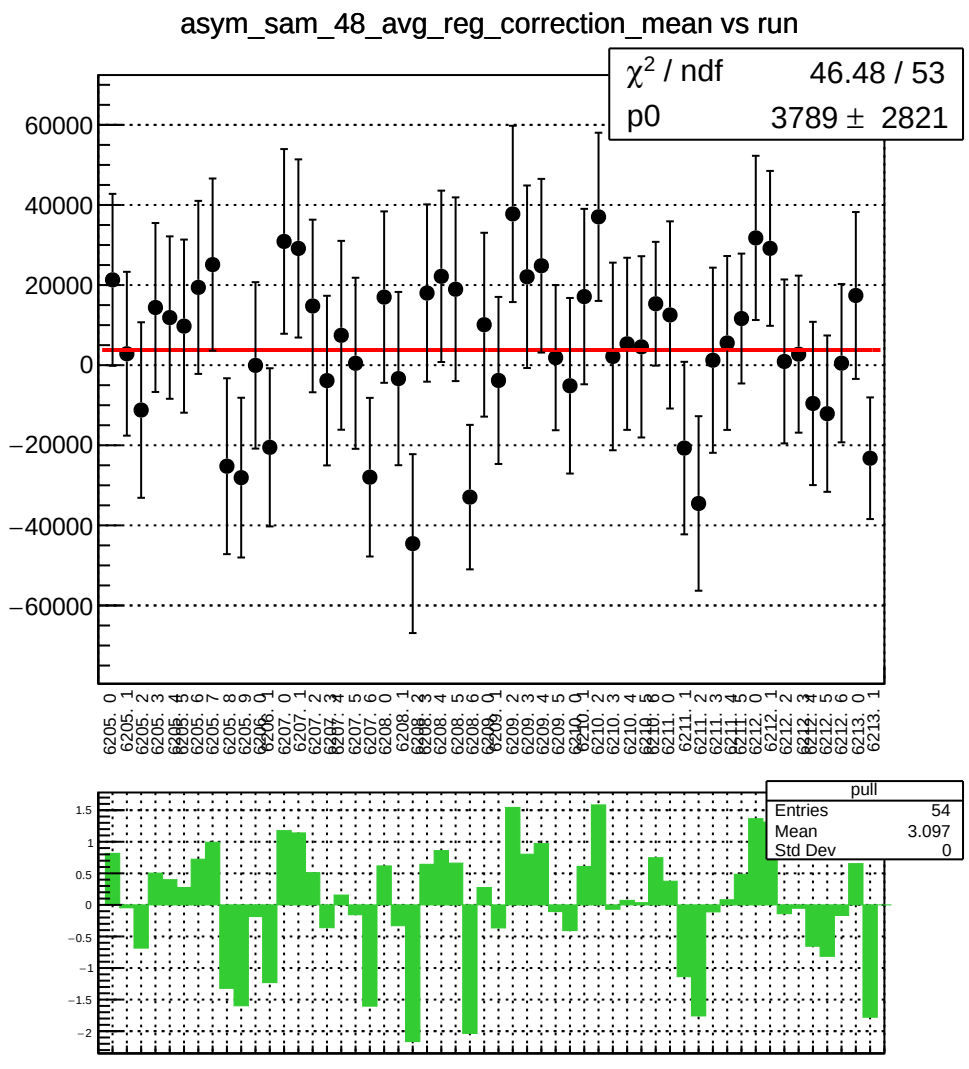

asym_sam_37_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 46.83 / 53
p0 1.3e−13 ± 1.062e−13
pull
Entries 54
Mean 51.14
Std Dev 0
pull1D
Entries 54
Mean −0.04258
Std Dev 0.9303

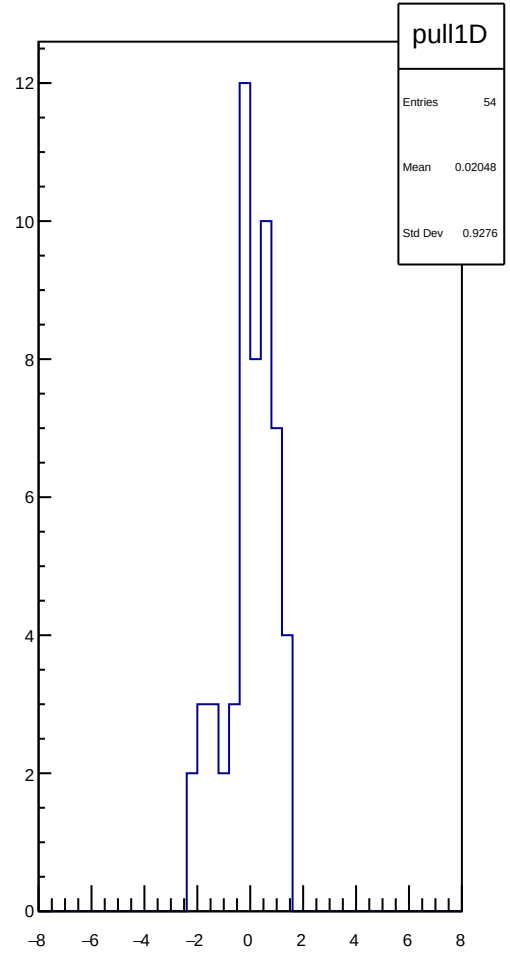

asym_sam_37_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.723e+05 / 53
p0 6.224e−11 ± 7.508e−14
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

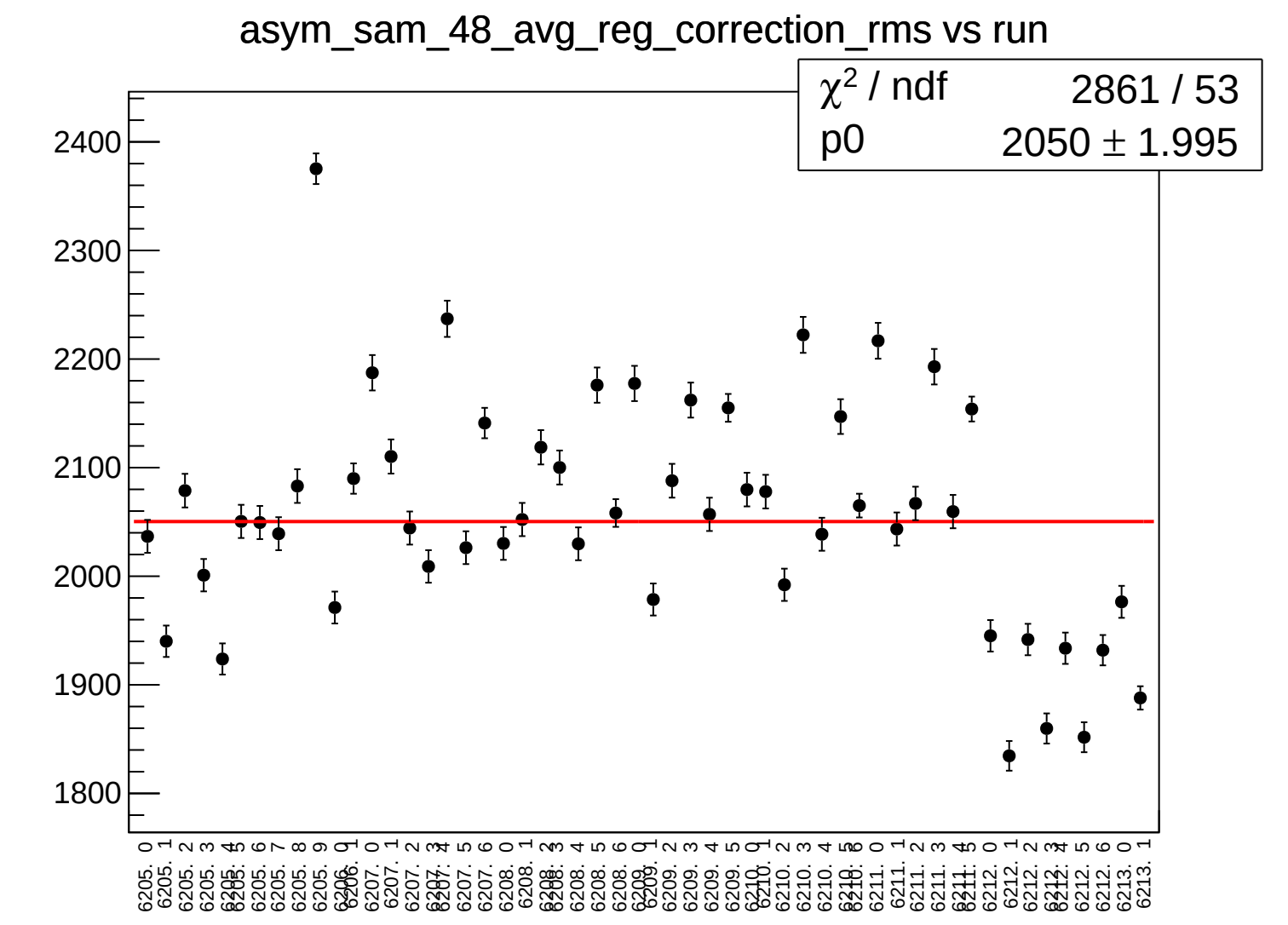

reg_asym_sam_48_avg_mean vs run
χ² / ndf 72.2 / 53
p0 −398.8 ± 217.5
pull
Entries 54
Mean 7434
Std Dev 0


pull1D
Entries 54
Mean 0.0005242
Std Dev 1.156


reg_asym_sam_48_avg_rms vs run
χ² / ndf 9206 / 53
p0 157.6 ± 0.1538
280
260
240
220
200
180
160
140
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_sam_48_avg_reg_correction_mean vs run
χ² / ndf 46.48 / 53
p0 3789 ± 2821
pull
Entries 54
Mean 3.097
Std Dev 0


pull1D
Entries 54
Mean 0.02048
Std Dev 0.9276


asym_sam_48_avg_reg_correction_rms vs run
χ² / ndf 2861 / 53
p0 2050 ± 1.995
2400
2300
2200
2100
2000
1900
1800
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
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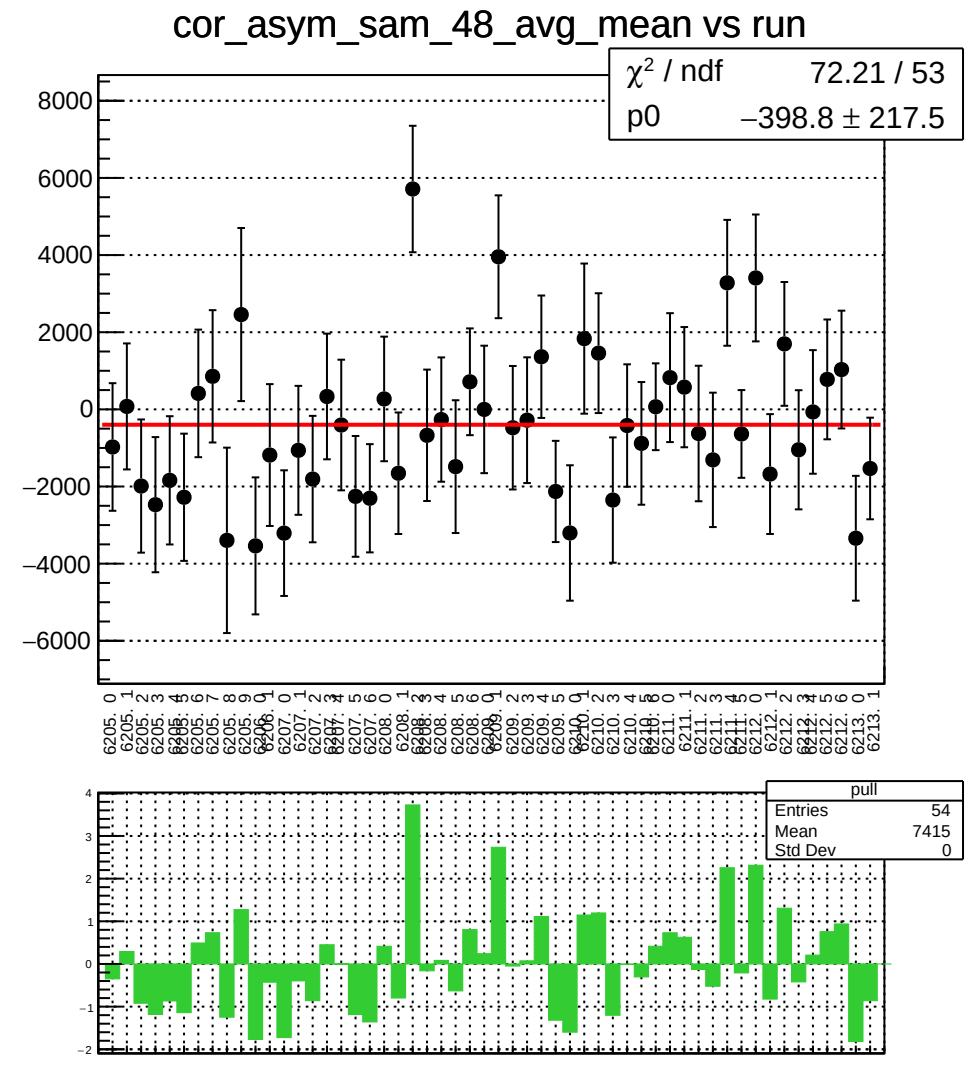
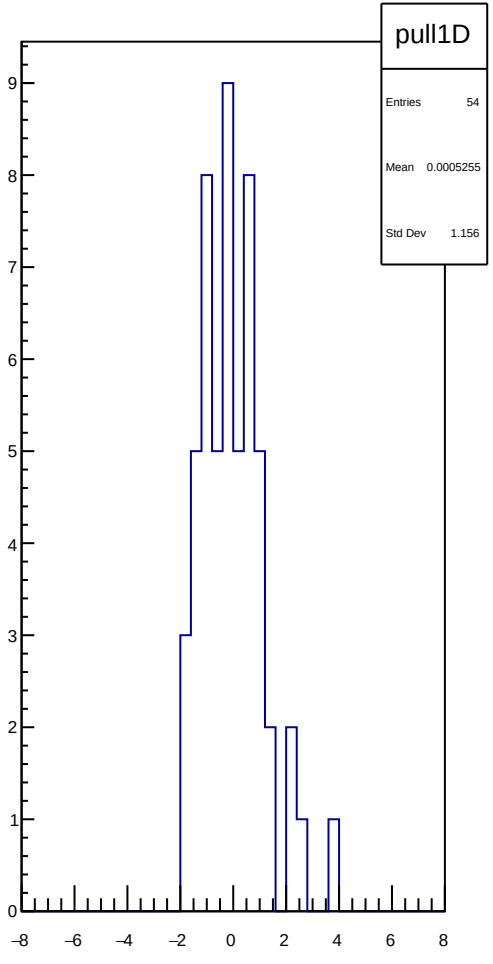
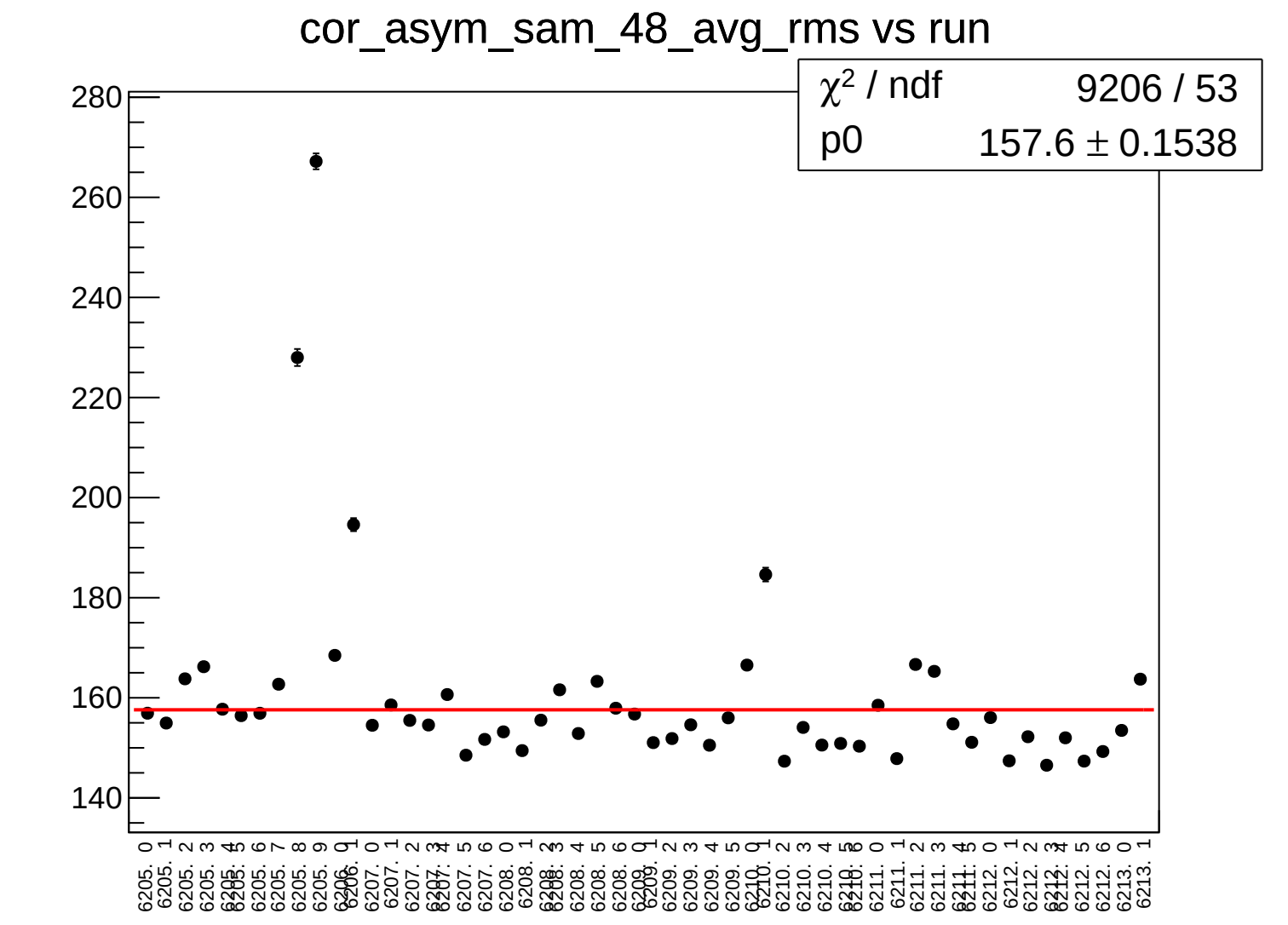
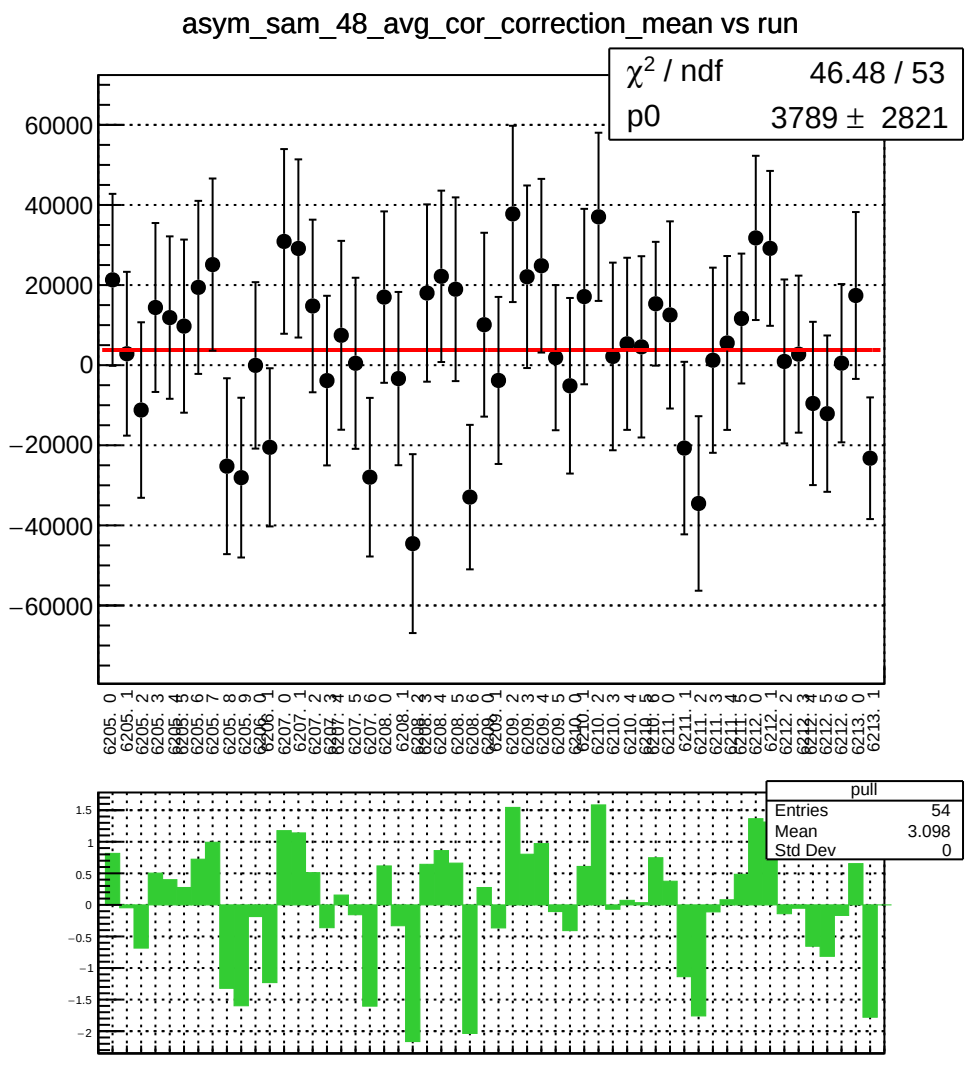
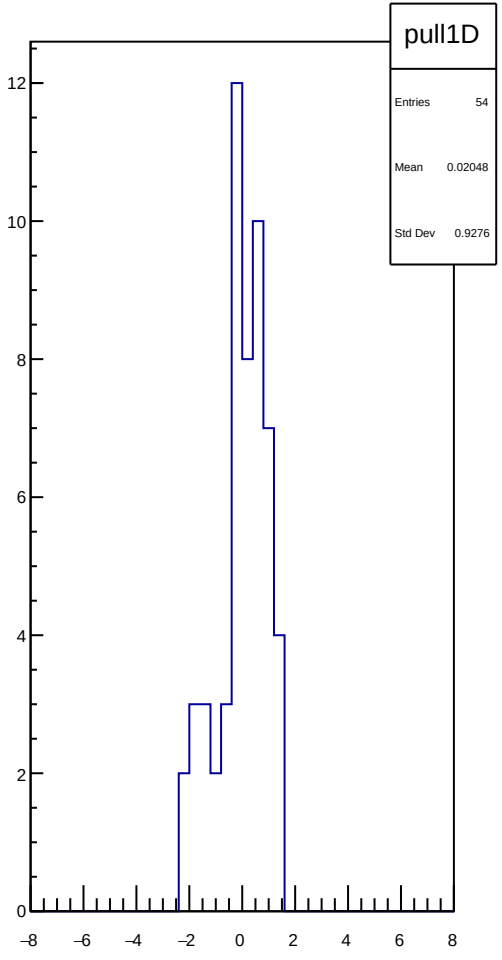
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

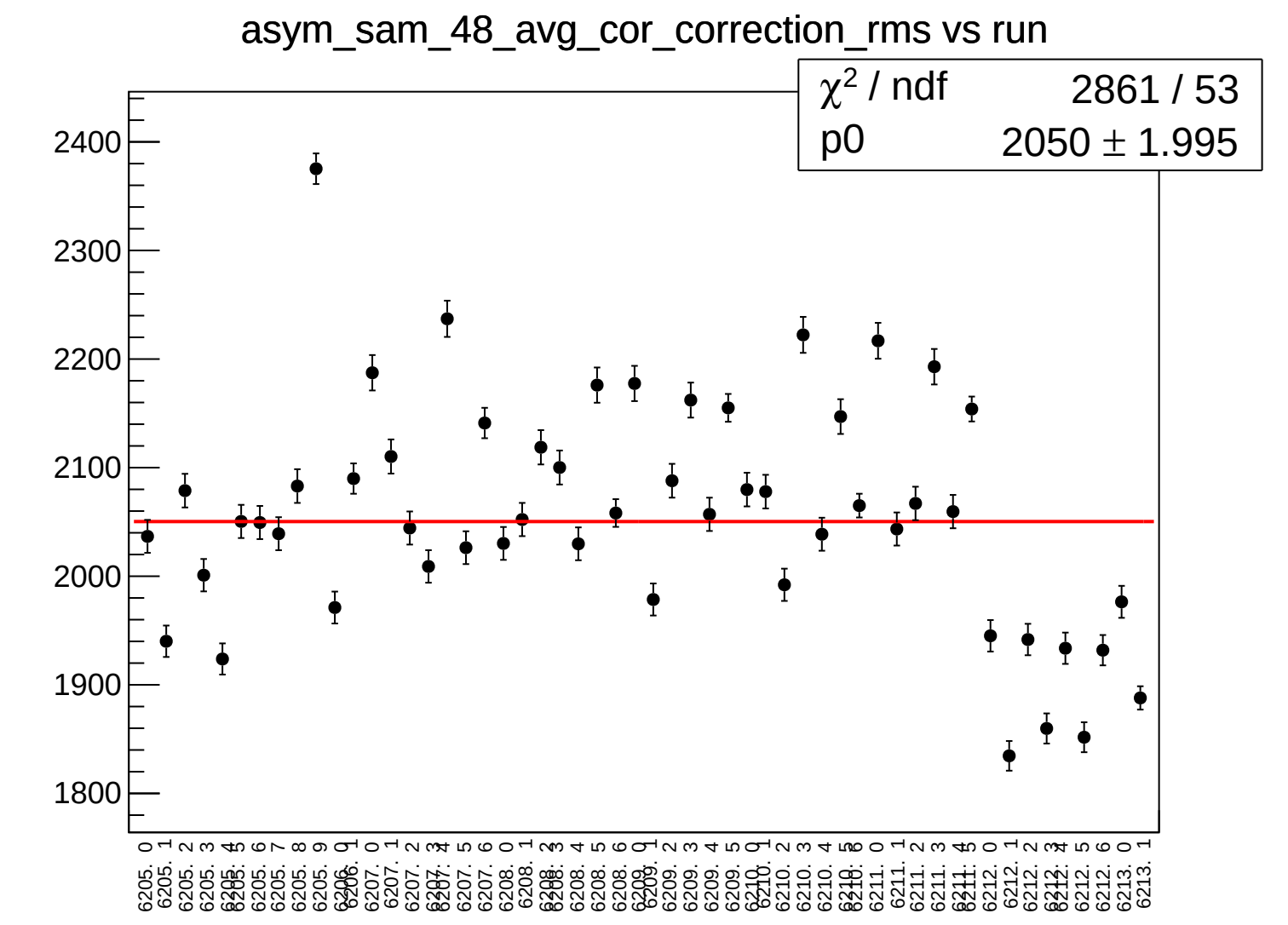

cor_asym_sam_48_avg_mean vs run
χ² / ndf 72.21 / 53
p0 −398.8 ± 217.5
pull
Entries 54
Mean 7415
Std Dev 0

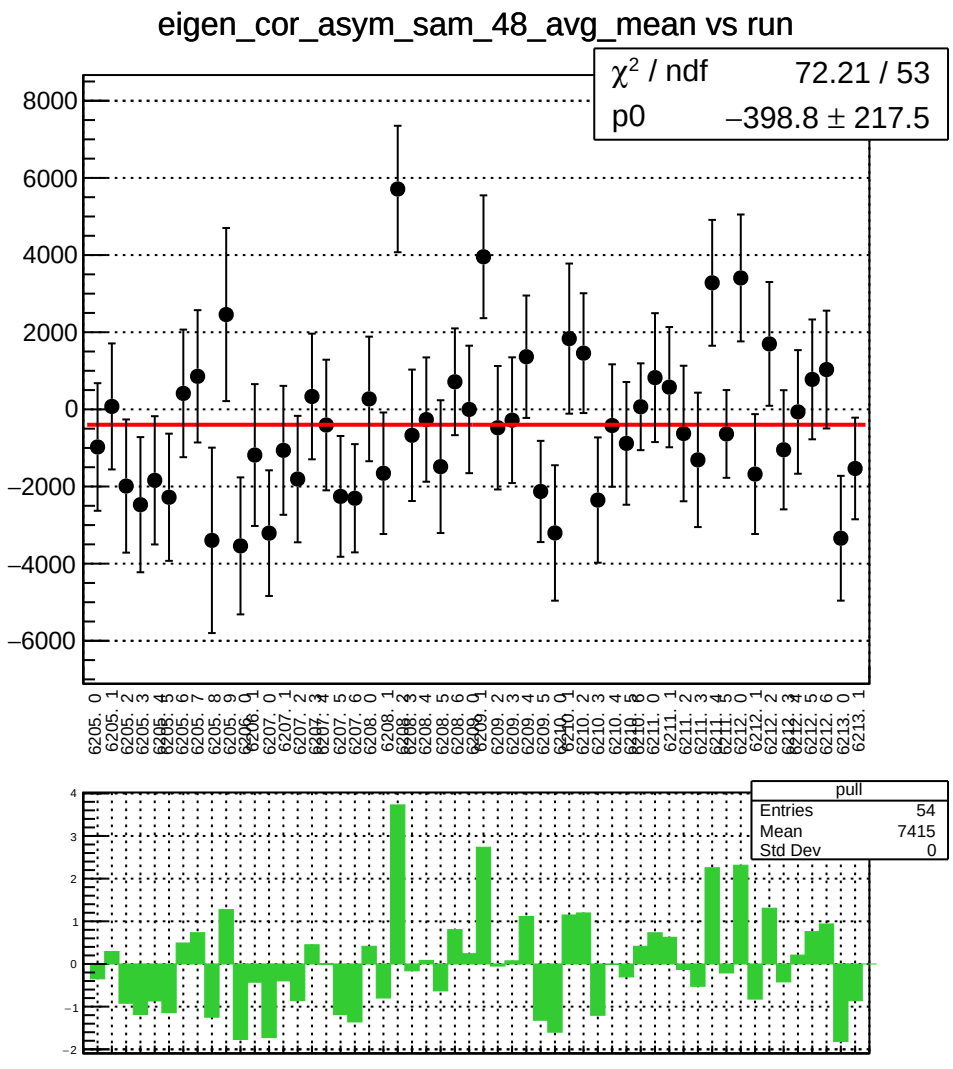

pull1D
Entries 54
Mean 0.0005255
Std Dev 1.156

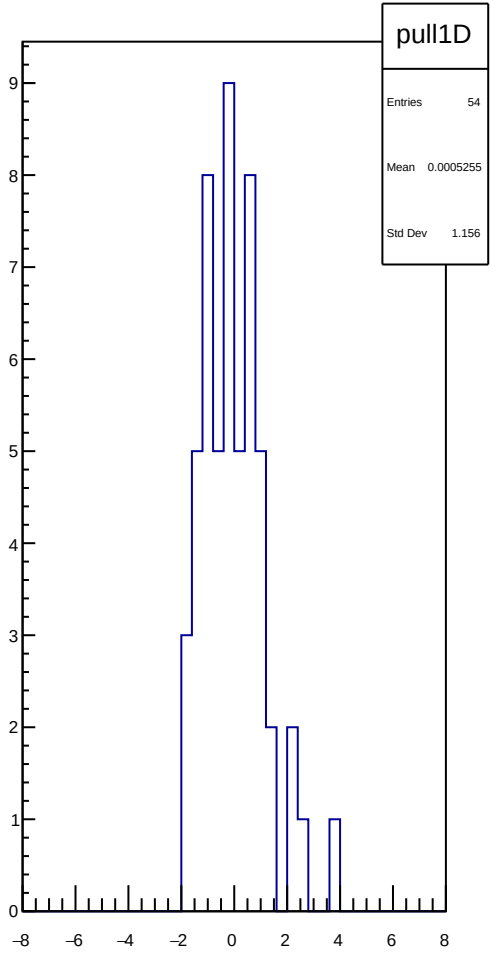

cor_asym_sam_48_avg_rms vs run
χ² / ndf 9206 / 53
p0 157.6 ± 0.1538
280
260
240
220
200
180
160
140
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

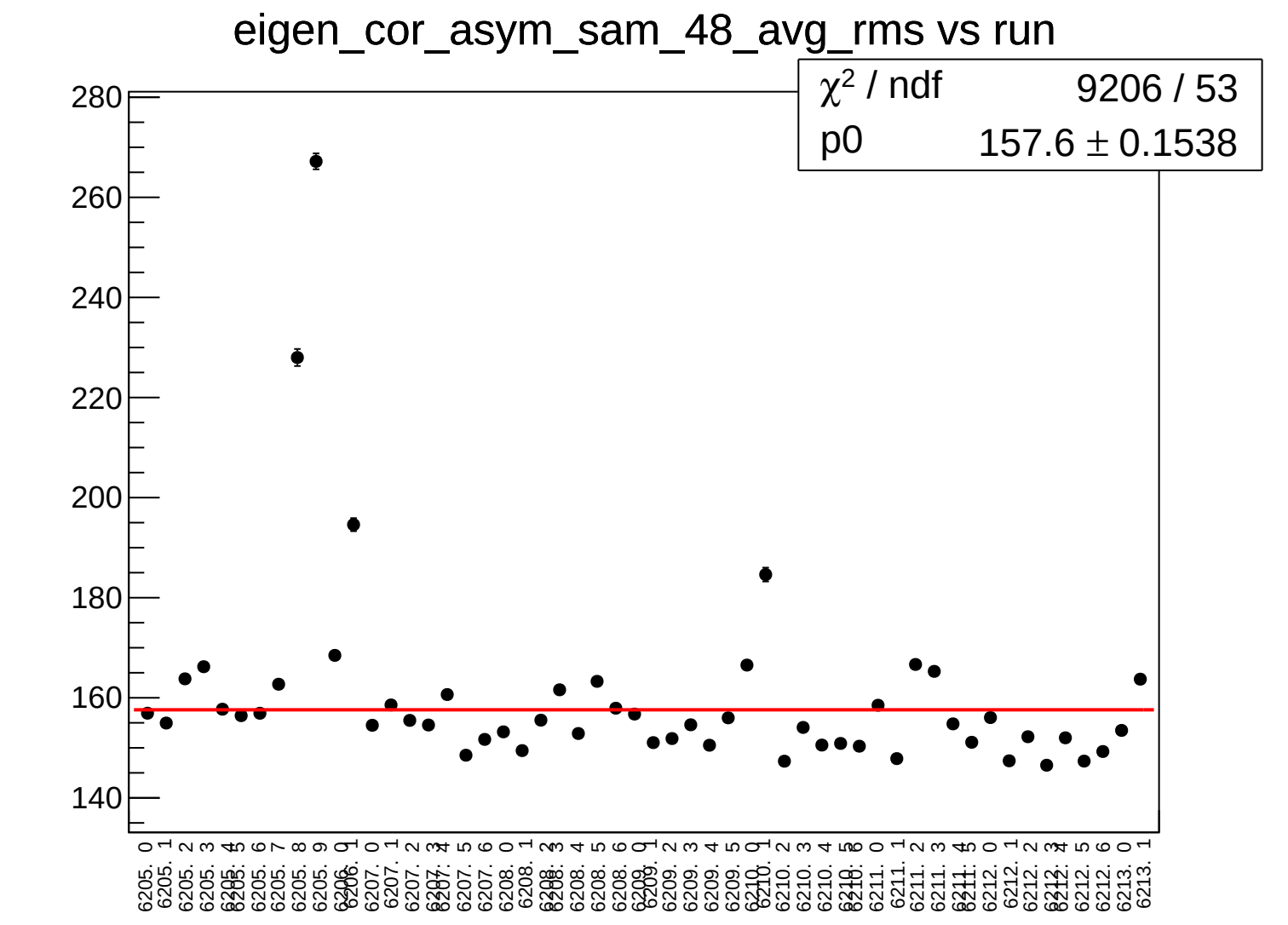

asym_sam_48_avg_cor_correction_mean vs run
χ² / ndf 46.48 / 53
p0 3789 ± 2821
pull
Entries 54
Mean 3.098
Std Dev 0

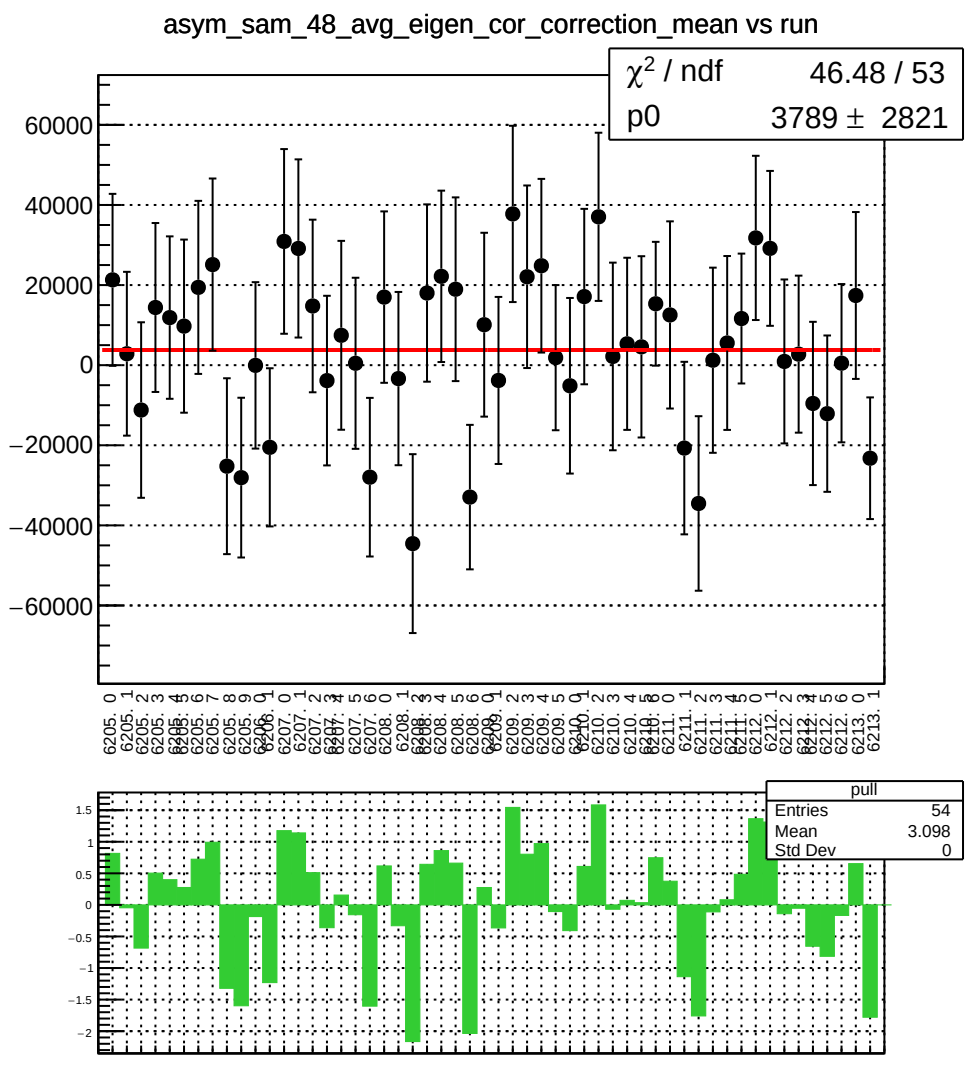

pull1D
Entries 54
Mean 0.02048
Std Dev 0.9276

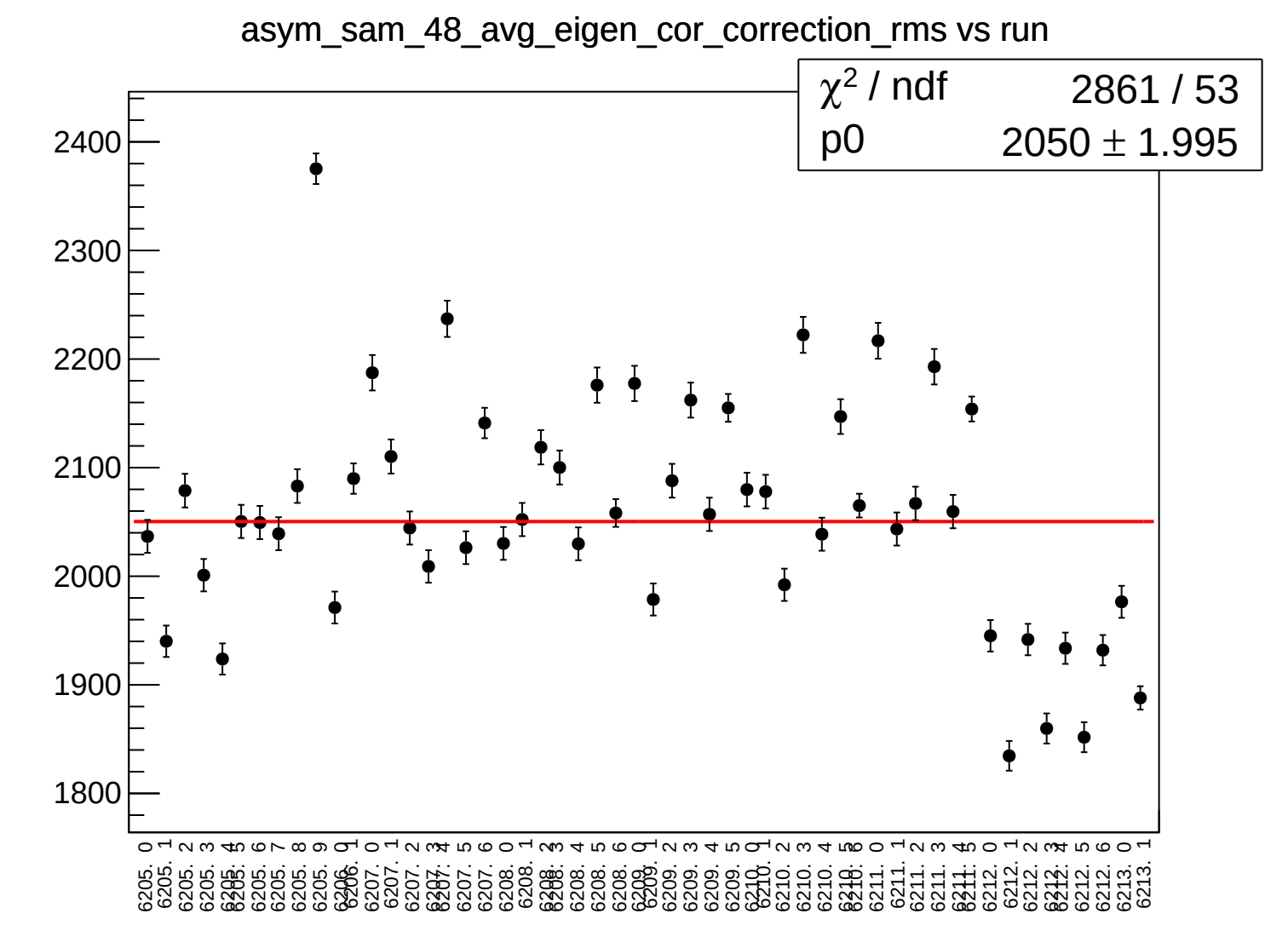

asym_sam_48_avg_cor_correction_rms vs run
χ² / ndf 2861 / 53
p0 2050 ± 1.995
2400
2300
2200
2100
2000
1900
1800
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


eigen_cor_asym_sam_48_avg_mean vs run
χ² / ndf 72.21 / 53
p0 −398.8 ± 217.5
pull
Entries 54
Mean 7415
Std Dev 0


pull1D
Entries 54
Mean 0.0005255
Std Dev 1.156


eigen_cor_asym_sam_48_avg_rms vs run
χ² / ndf 9206 / 53
p0 157.6 ± 0.1538
280
260
240
220
200
180
160
140
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_sam_48_avg_eigen_cor_correction_mean vs run
χ² / ndf 46.48 / 53
p0 3789 ± 2821
pull
Entries 54
Mean 3.098
Std Dev 0
pull1D
Entries 54
Mean 0.02048
Std Dev 0.9276


asym_sam_48_avg_eigen_cor_correction_rms vs run
χ² / ndf 2861 / 53
p0 2050 ± 1.995
2400
2300
2200
2100
2000
1900
1800
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
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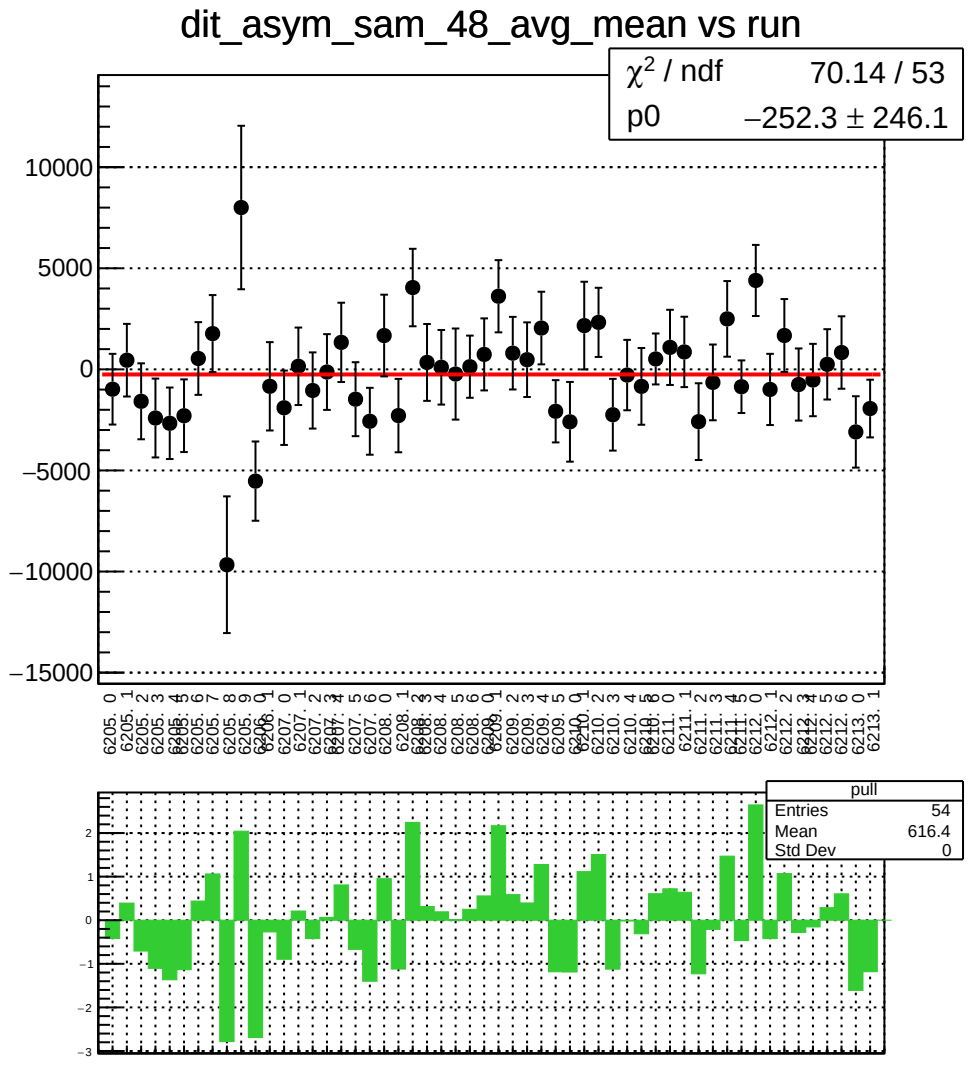
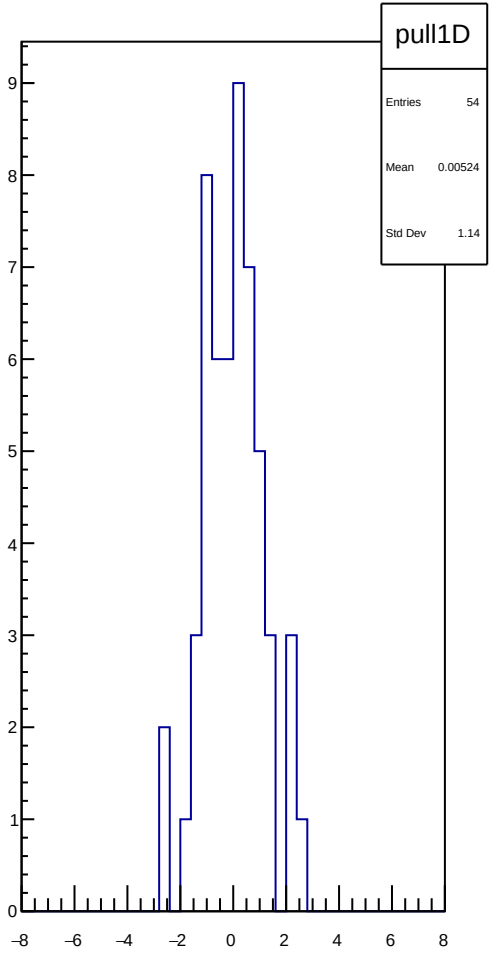
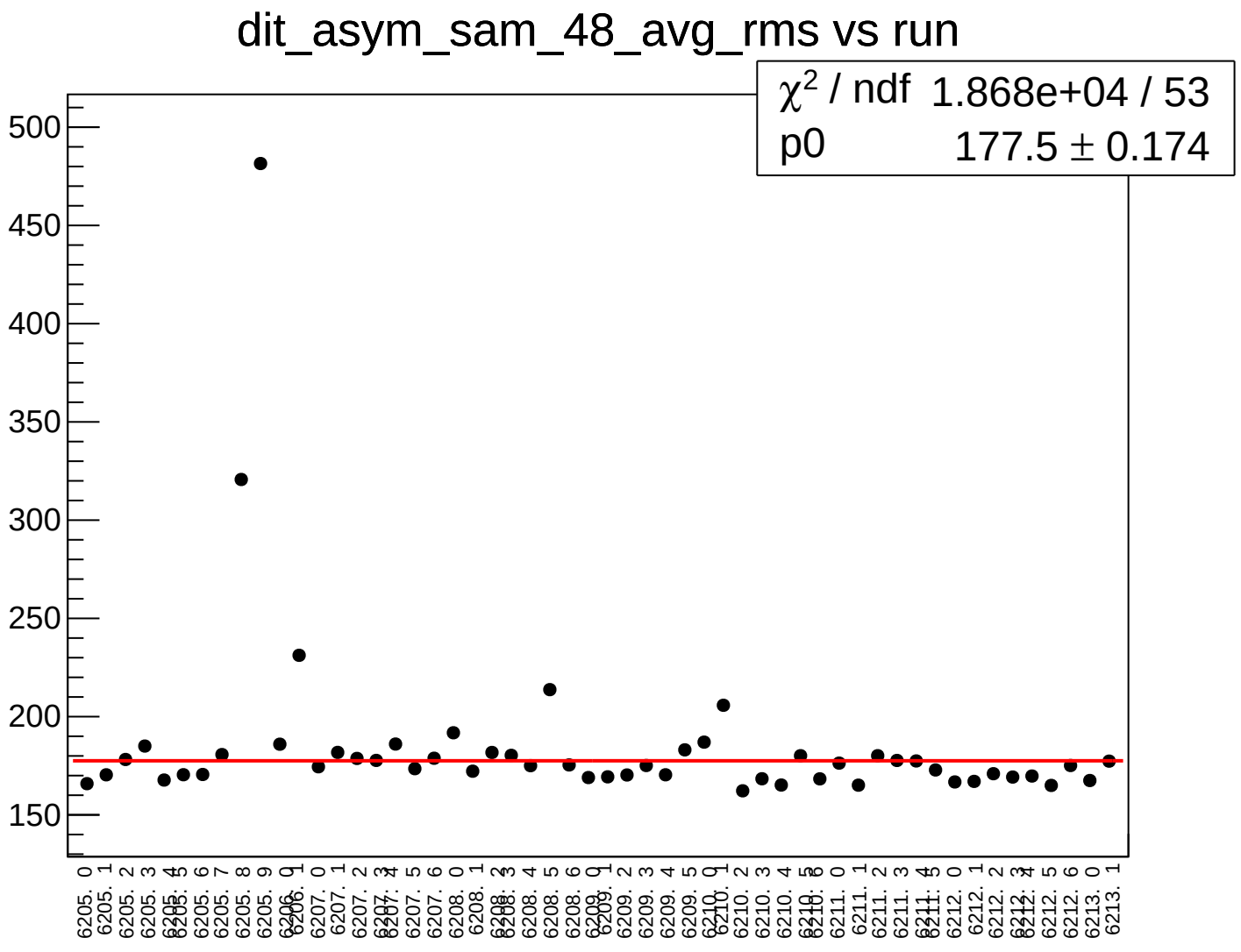
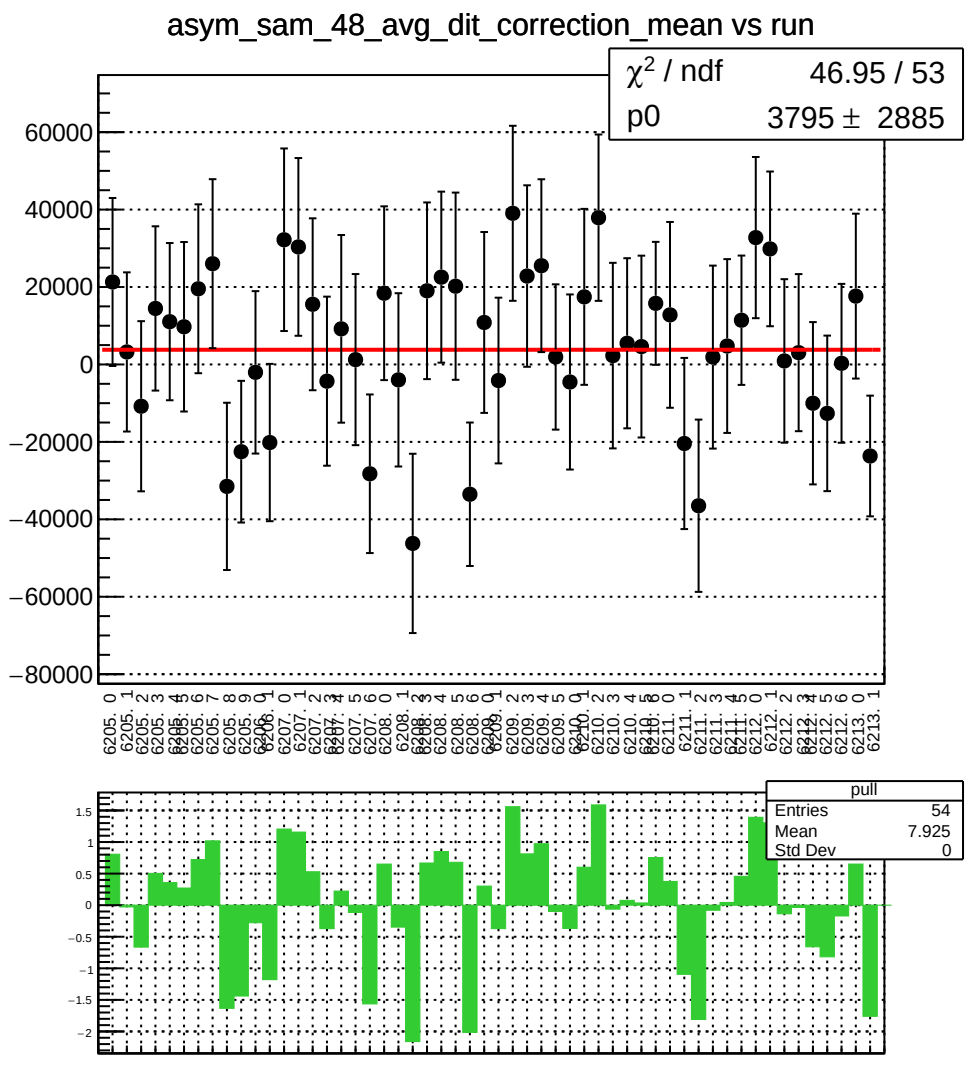
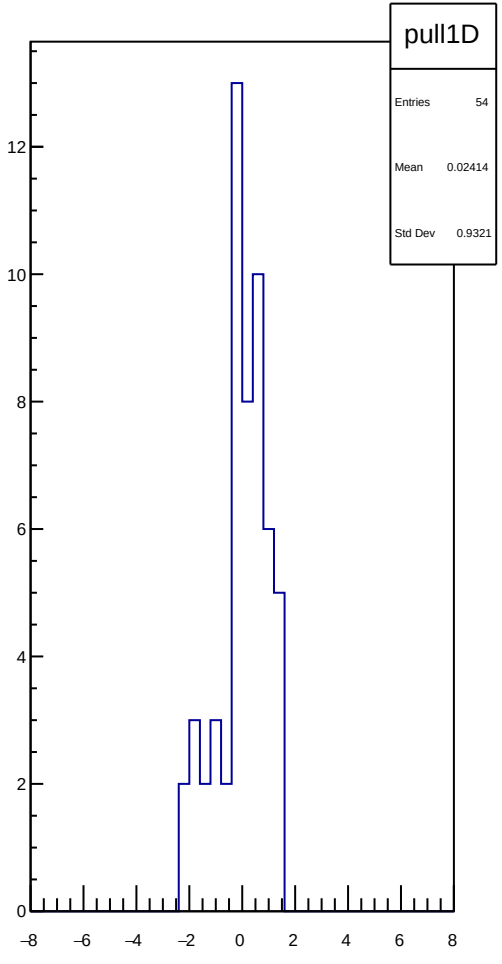
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

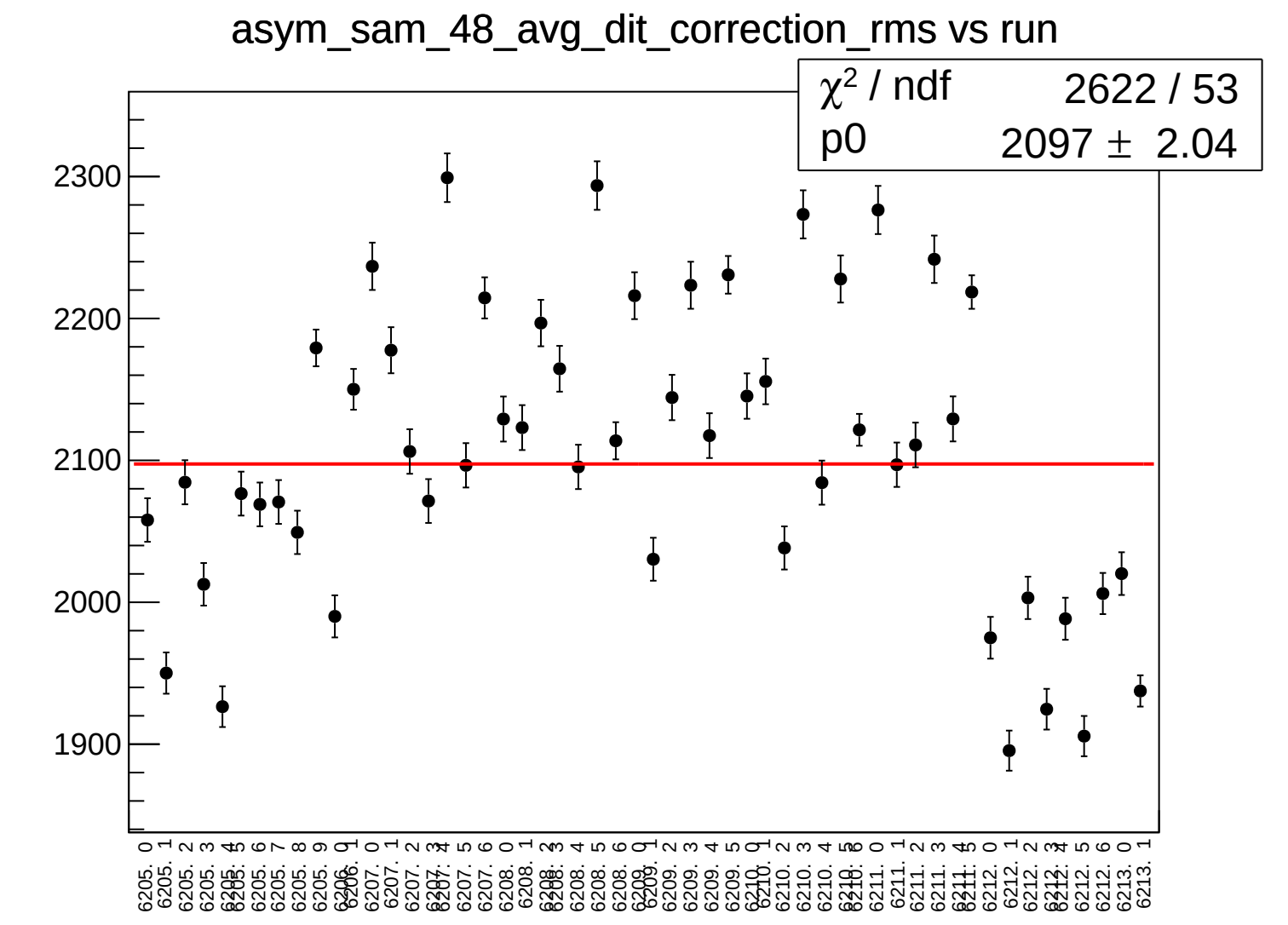

dit_asym_sam_48_avg_mean vs run
χ² / ndf 70.14 / 53
p0 −252.3 ± 246.1
10000
5000
0
−5000
−10000
−15000
pull
Entries 54
Mean 616.4
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 54
Mean 0.00524
Std Dev 1.14
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_sam_48_avg_rms vs run
χ^2 / ndf 1.868e+04 / 53
p0 177.5 ± 0.174
500
450
400
350
300
250
200
150
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_sam_48_avg_dit_correction_mean vs run
χ² / ndf 46.95 / 53
p0 3795 ± 2885
pull
Entries 54
Mean 7.925
Std Dev 0


pull1D
Entries 54
Mean 0.02414
Std Dev 0.9321


asym_sam_48_avg_dit_correction_rms vs run
χ² / ndf 2622 / 53
p0 2097 ± 2.04
2300
2200
2100
2000
1900
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
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6207. 6
6208. 0
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6208. 2
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6209. 0
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6209. 4
6209. 5
6210. 0
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6210. 4
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6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
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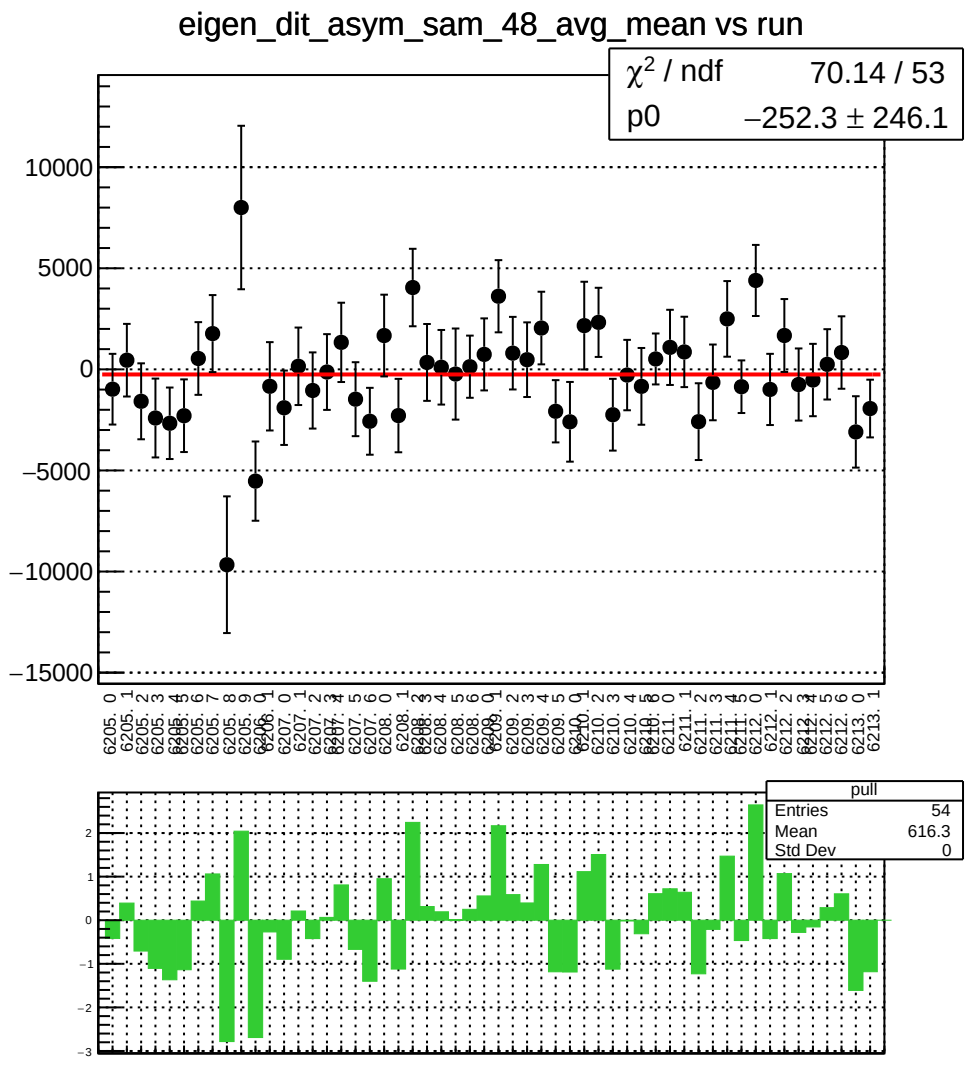
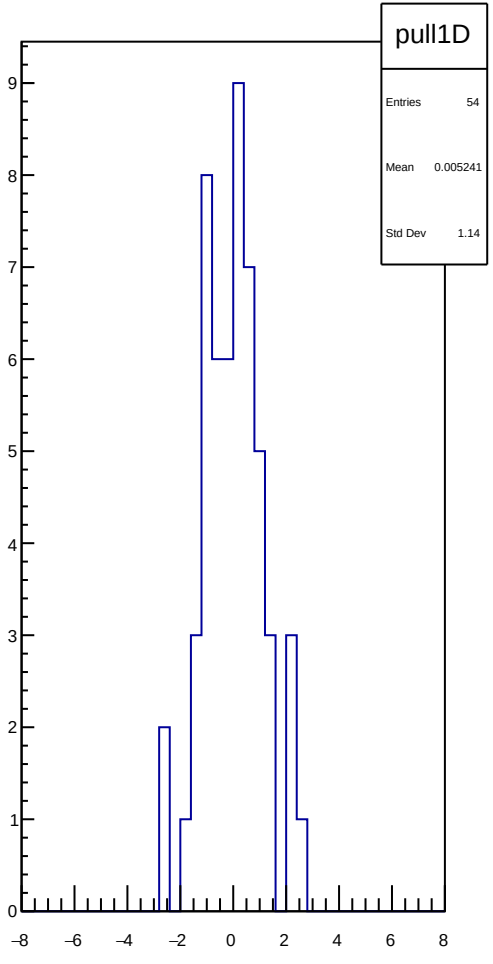
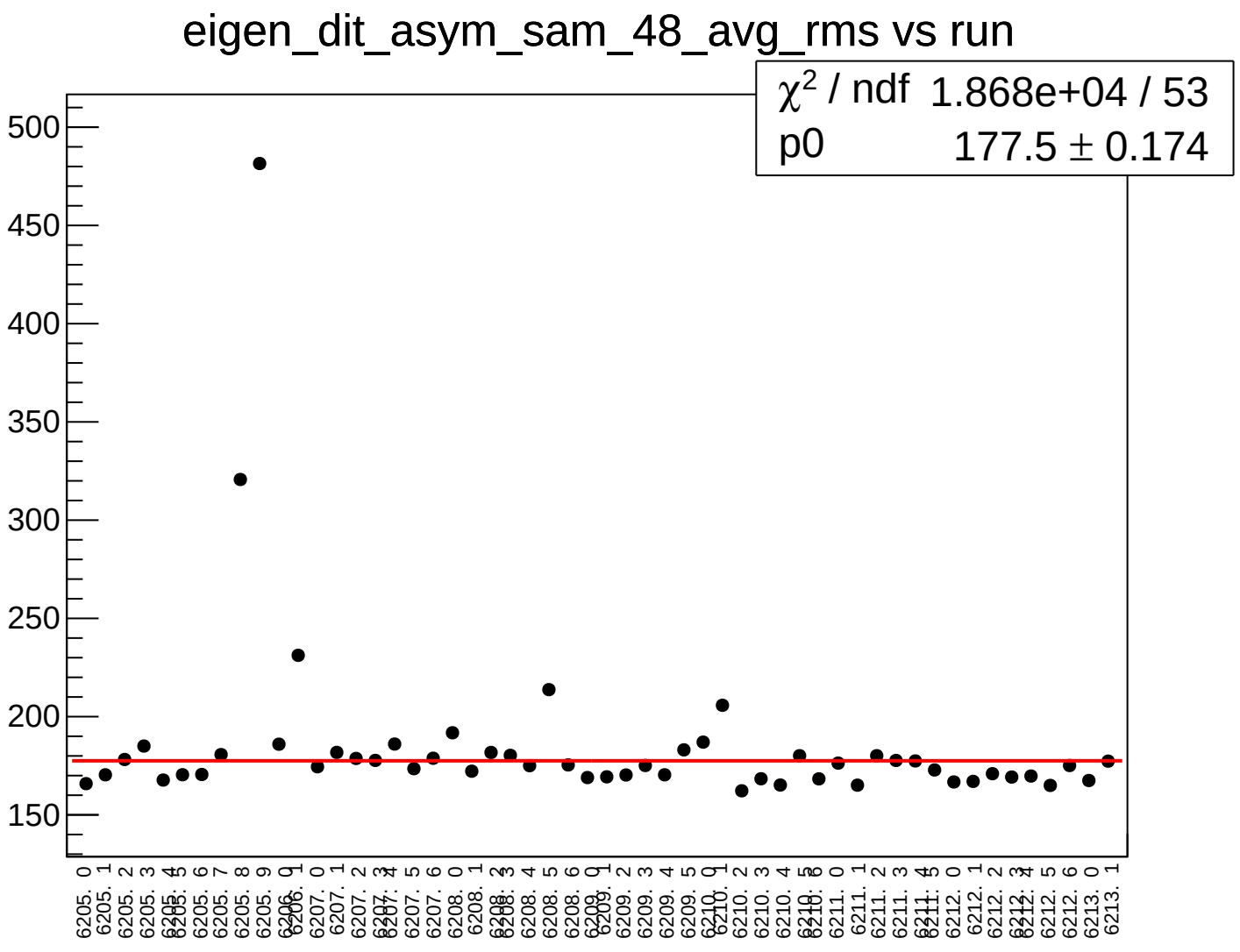
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


eigen_dit_asym_sam_48_avg_mean vs run
χ² / ndf 70.14 / 53
p0 −252.3 ± 246.1
10000
5000
0
−5000
−10000
−15000
pull
Entries 54
Mean 616.3
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 54
Mean 0.005241
Std Dev 1.14
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_dit_asym_sam_48_avg_rms vs run
χ² / ndf 1.868e+04 / 53
p0 177.5 ± 0.174
500
450
400
350
300
250
200
150
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
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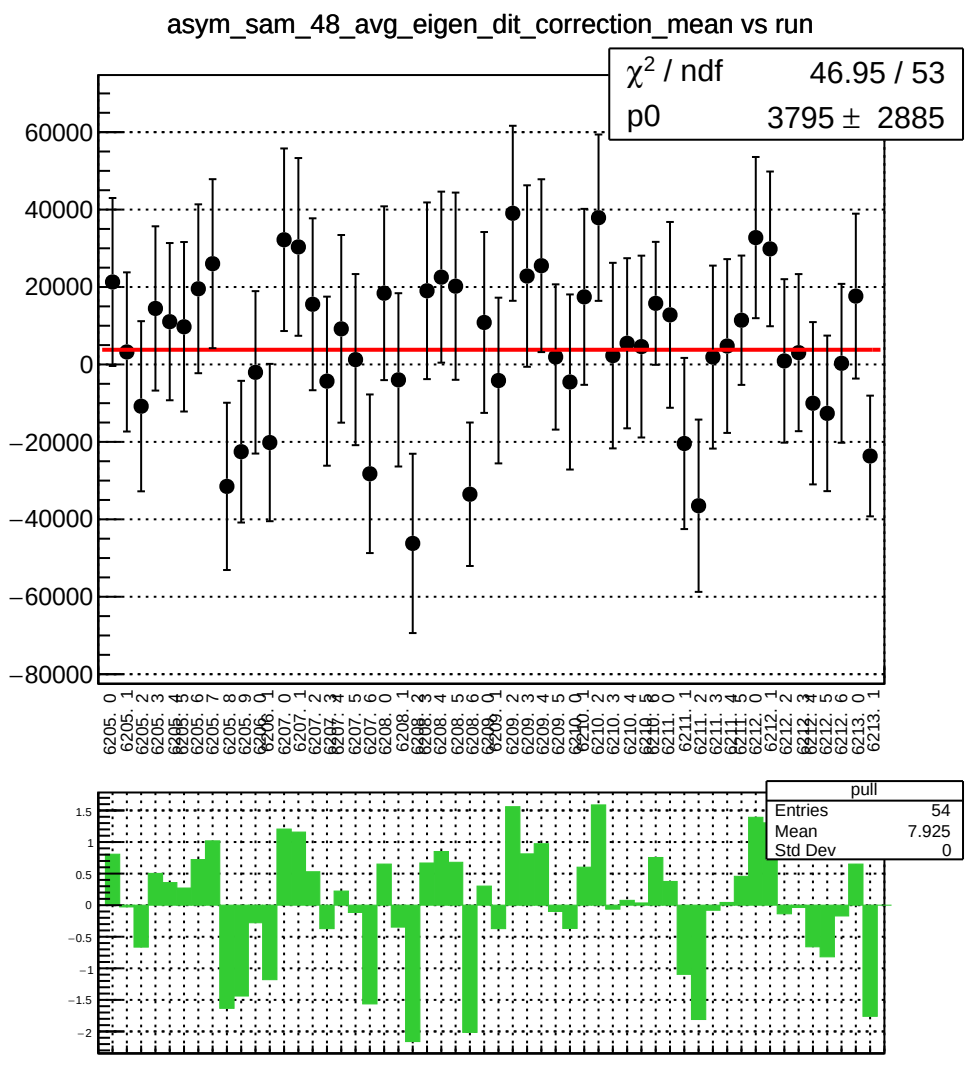
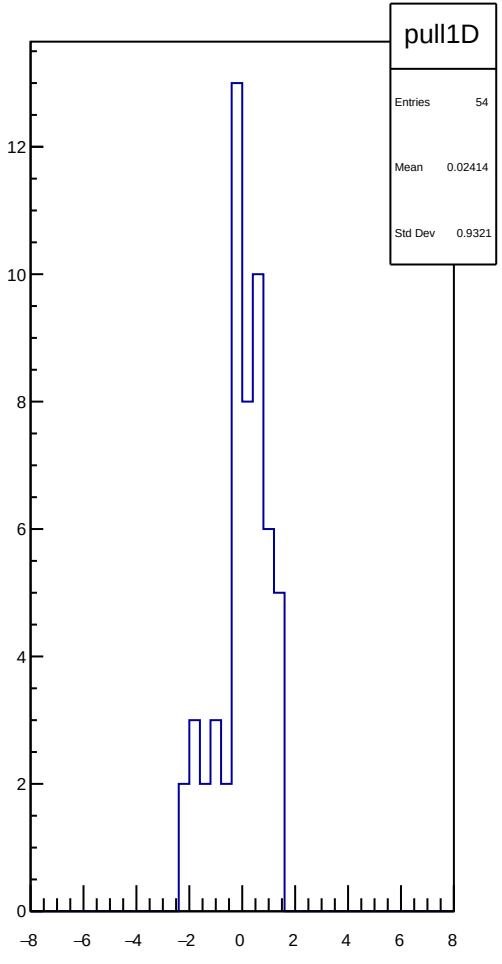
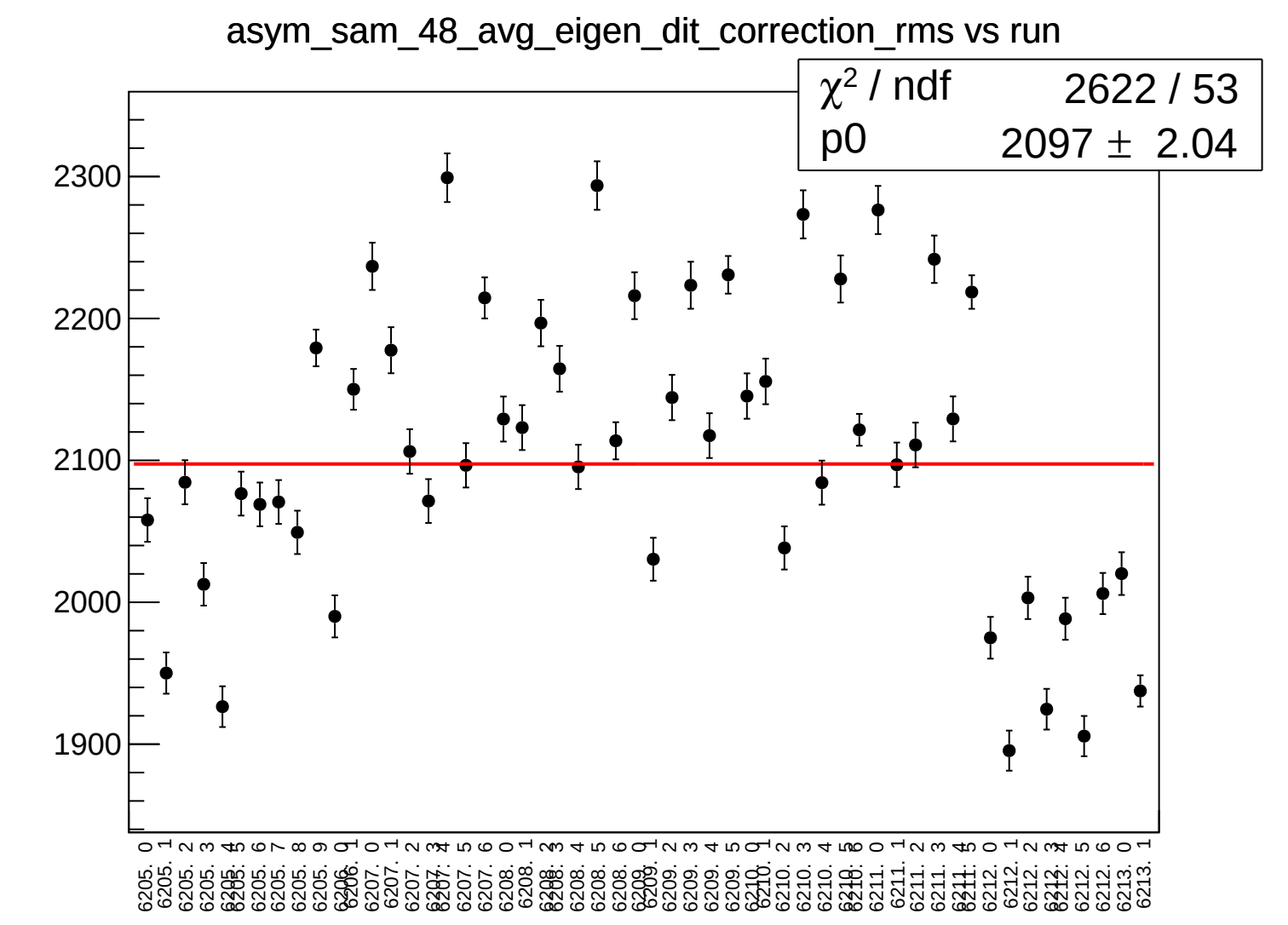
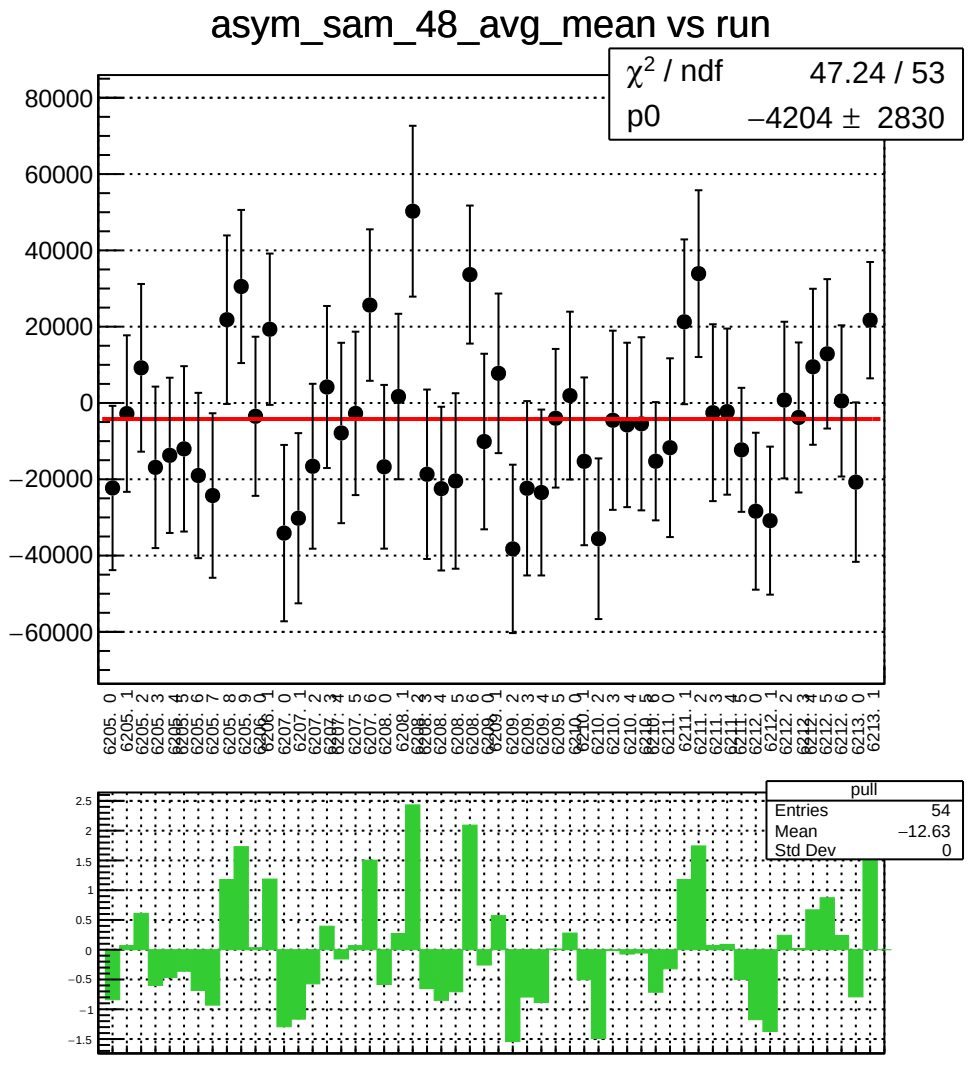
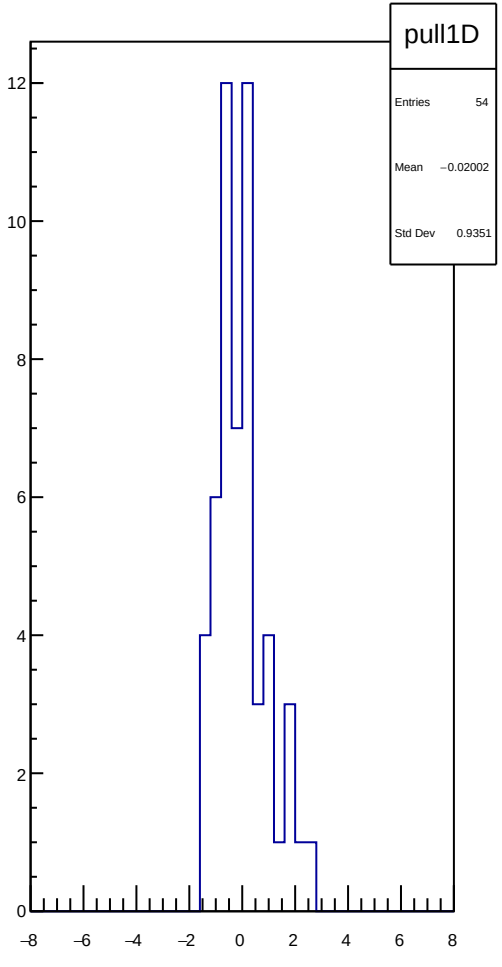
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6208. 7
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

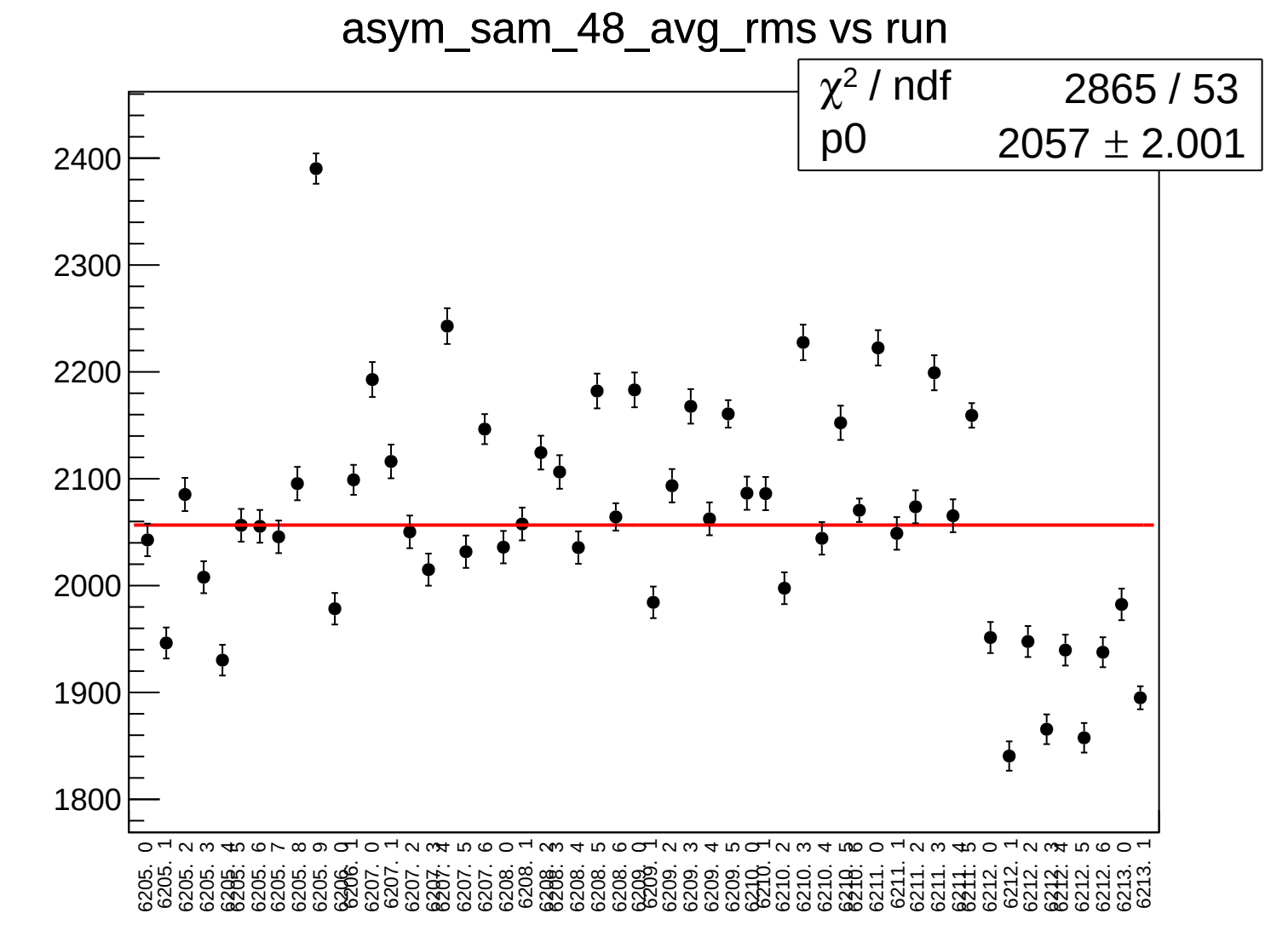

asym_sam_48_avg_eigen_dit_correction_mean vs run
χ² / ndf 46.95 / 53
p0 3795 ± 2885
pull
Entries 54
Mean 7.925
Std Dev 0

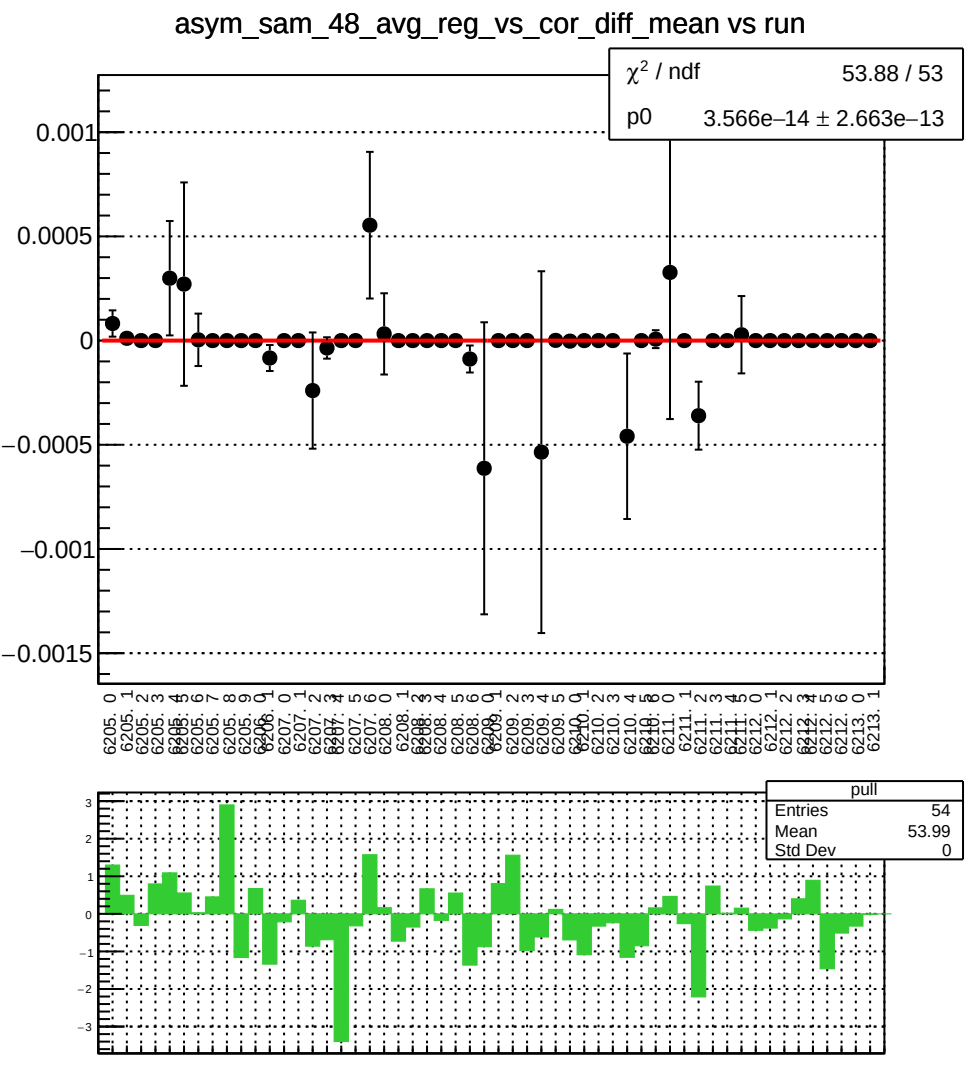

pull1D
Entries 54
Mean 0.02414
Std Dev 0.9321

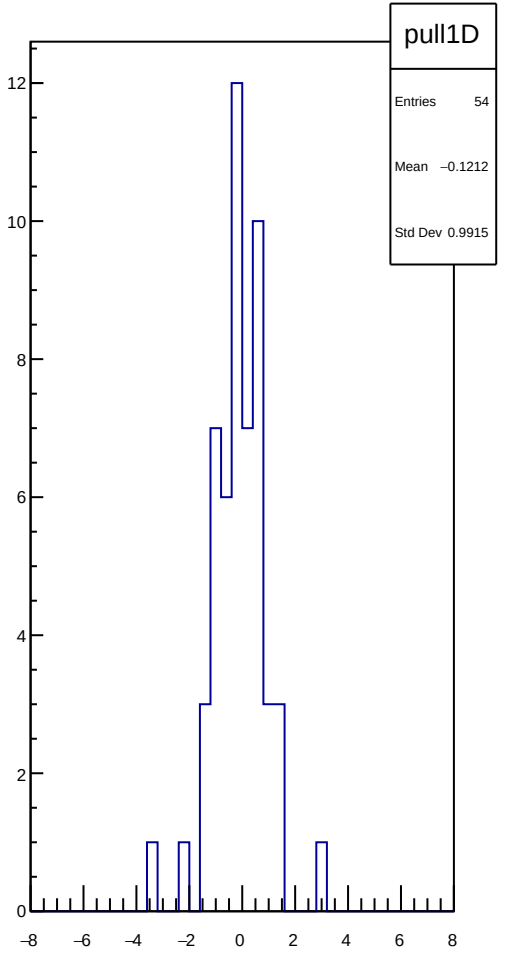

asym_sam_48_avg_eigen_dit_correction_rms vs run
χ² / ndf 2622 / 53
p0 2097 ± 2.04
2300
2200
2100
2000
1900
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

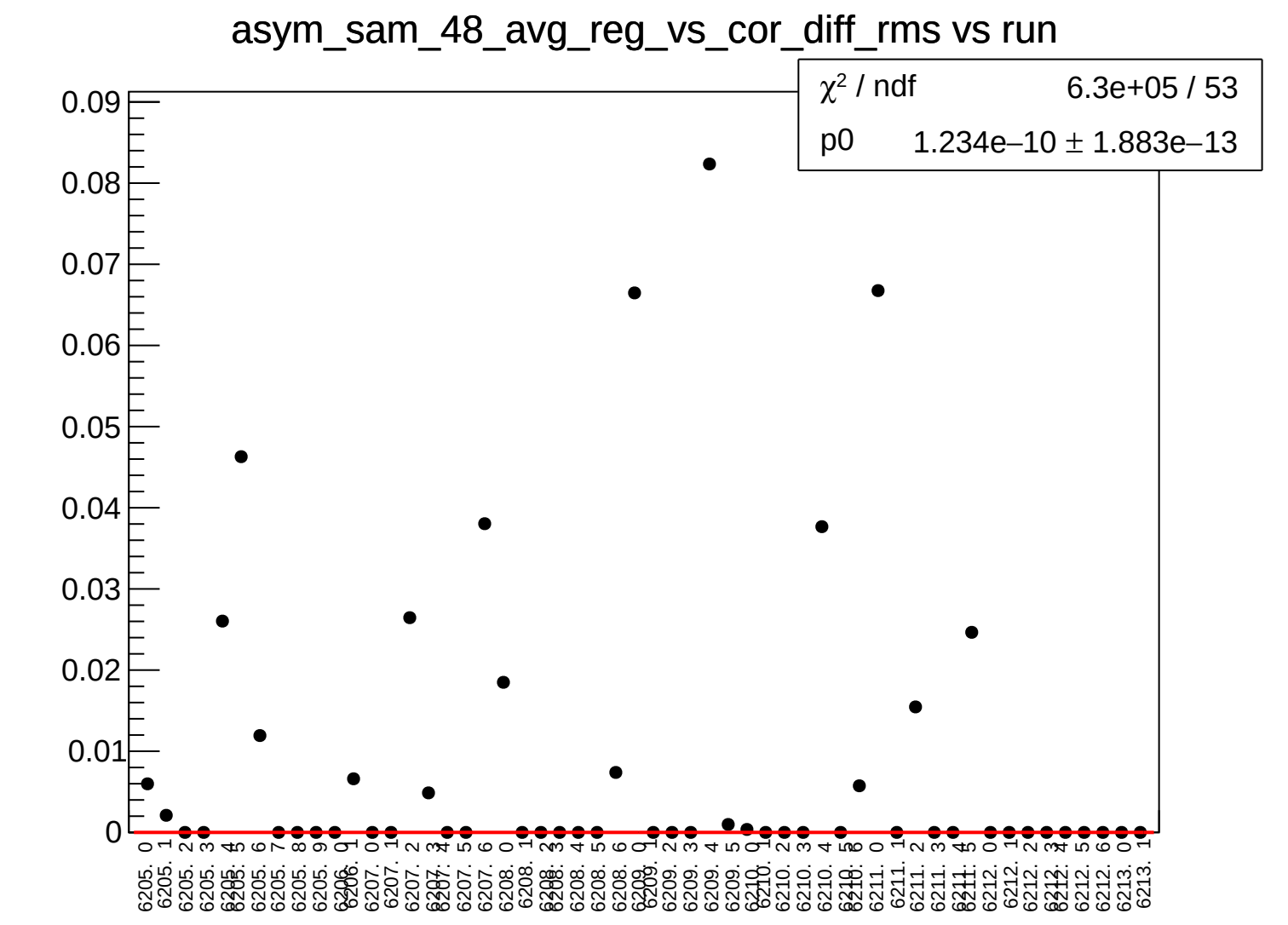

asym_sam_48_avg_mean vs run
χ² / ndf 47.24 / 53
p0 −4204 ± 2830
pull
Entries 54
Mean −12.63
Std Dev 0

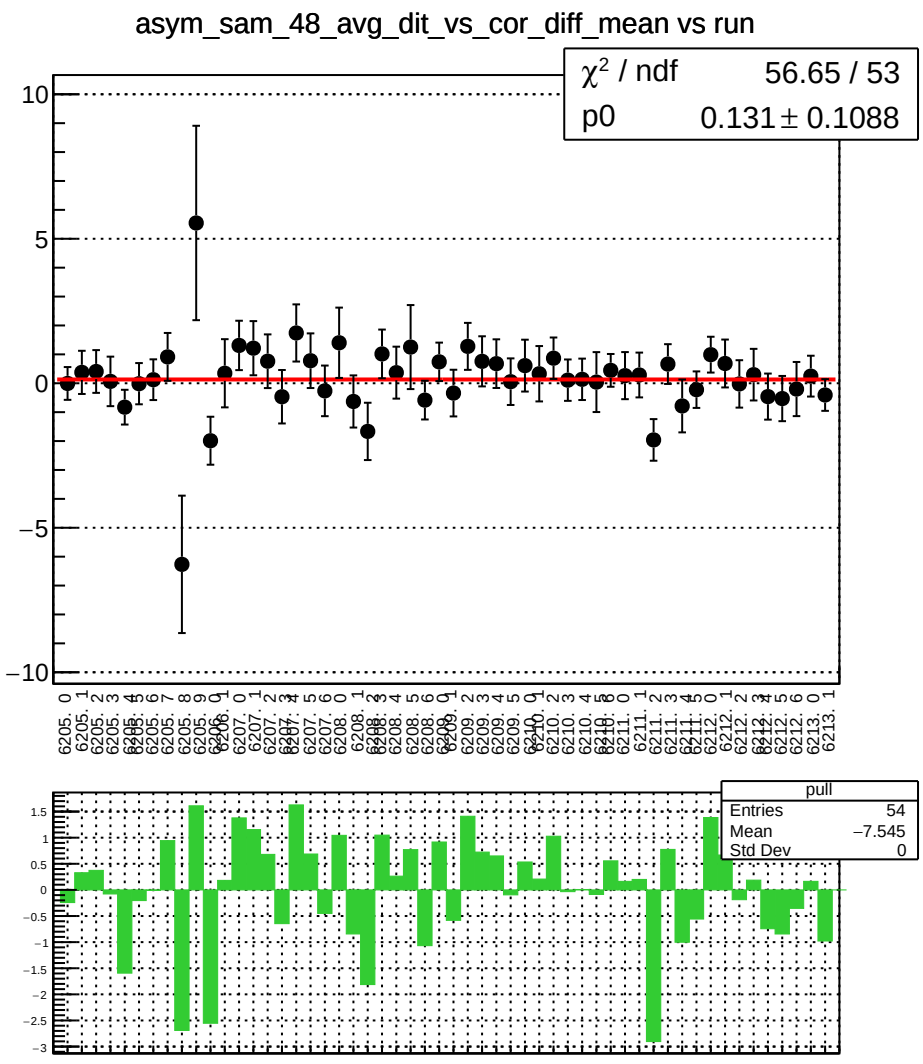

pull1D
Entries 54
Mean −0.02002
Std Dev 0.9351

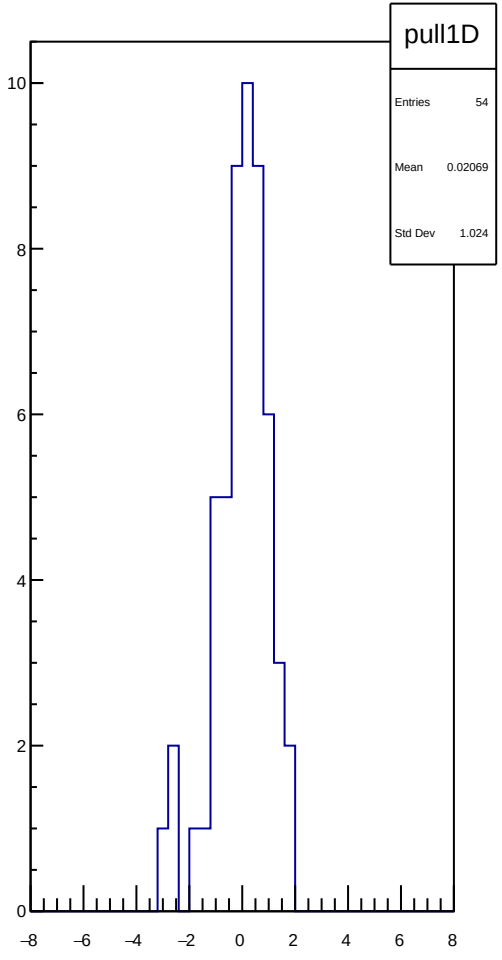

asym_sam_48_avg_rms vs run
χ² / ndf 2865 / 53
p0 2057 ± 2.001
2400
2300
2200
2100
2000
1900
1800
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

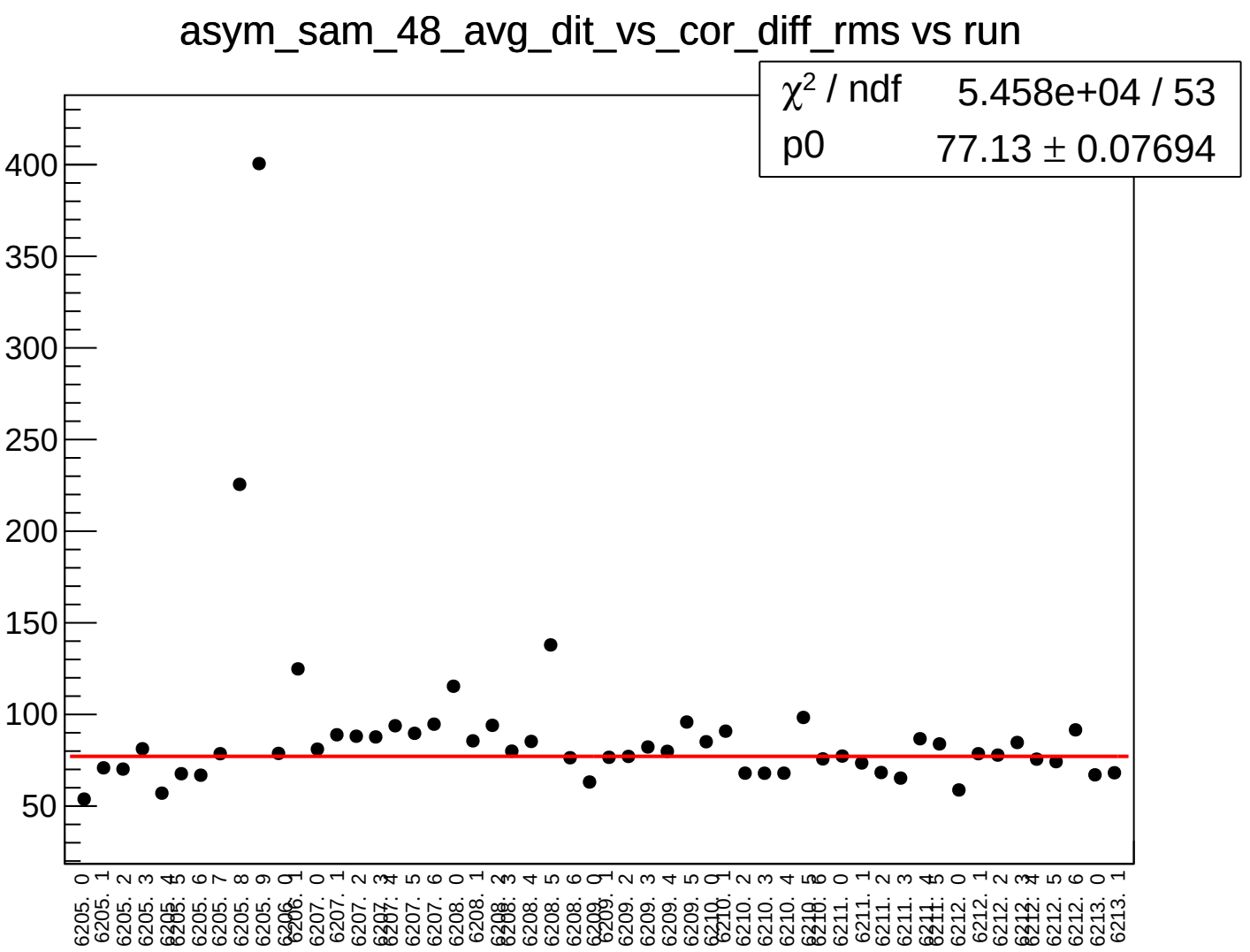

asym_sam_48_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 53.88 / 53
p0 3.566e−14 ± 2.663e−13
0.001
0.0005
0
−0.0005
−0.001
−0.0015
pull
Entries 54
Mean 53.99
Std Dev 0

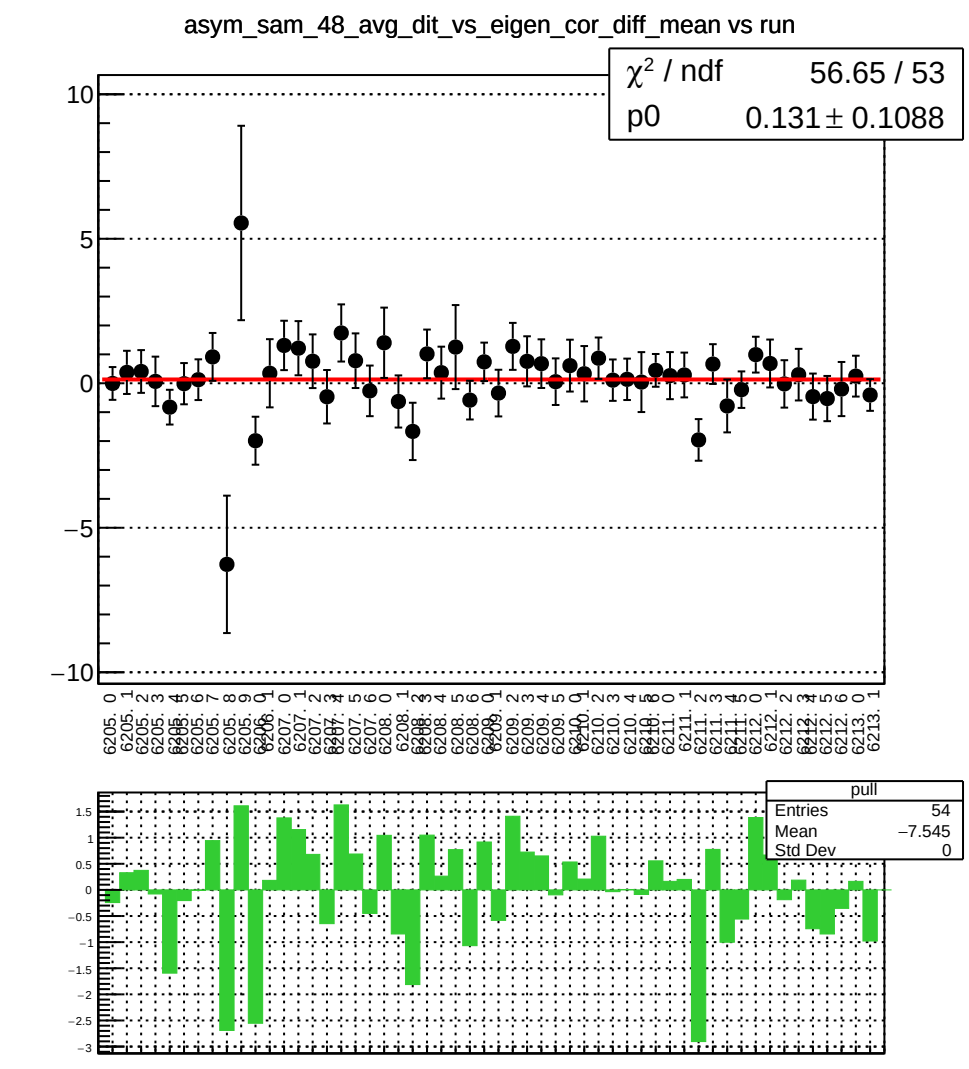

pull1D
Entries 54
Mean −0.1212
Std Dev 0.9915
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

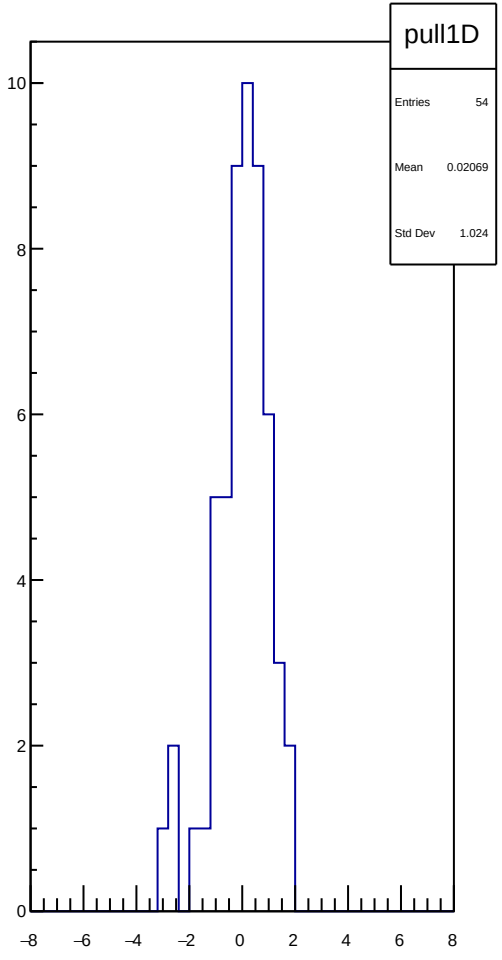

asym_sam_48_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.3e+05 / 53
p0 1.234e−10 ± 1.883e−13
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0

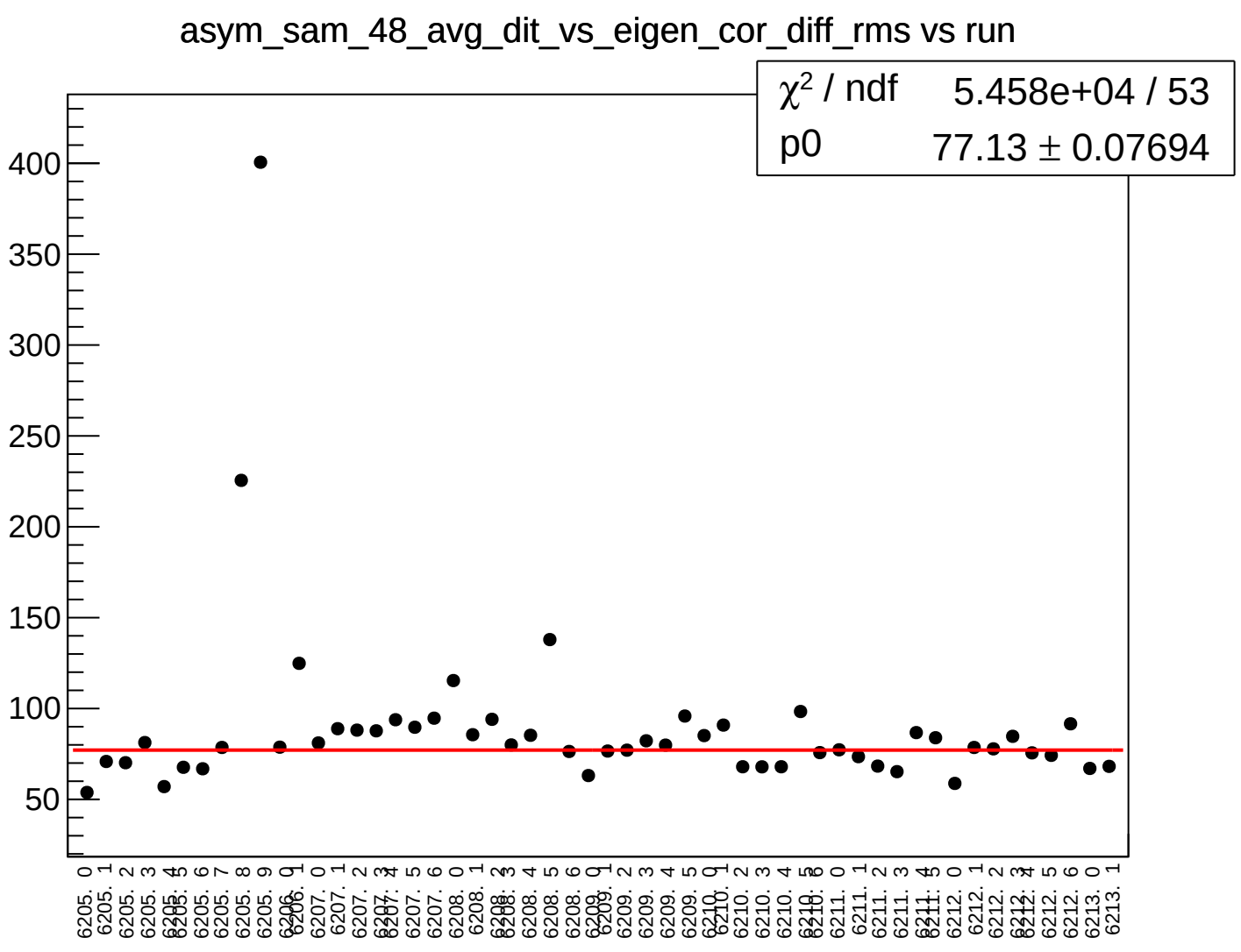

asym_sam_48_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 56.65 / 53
p0 0.131 ± 0.1088
pull
Entries 54
Mean −7.545
Std Dev 0

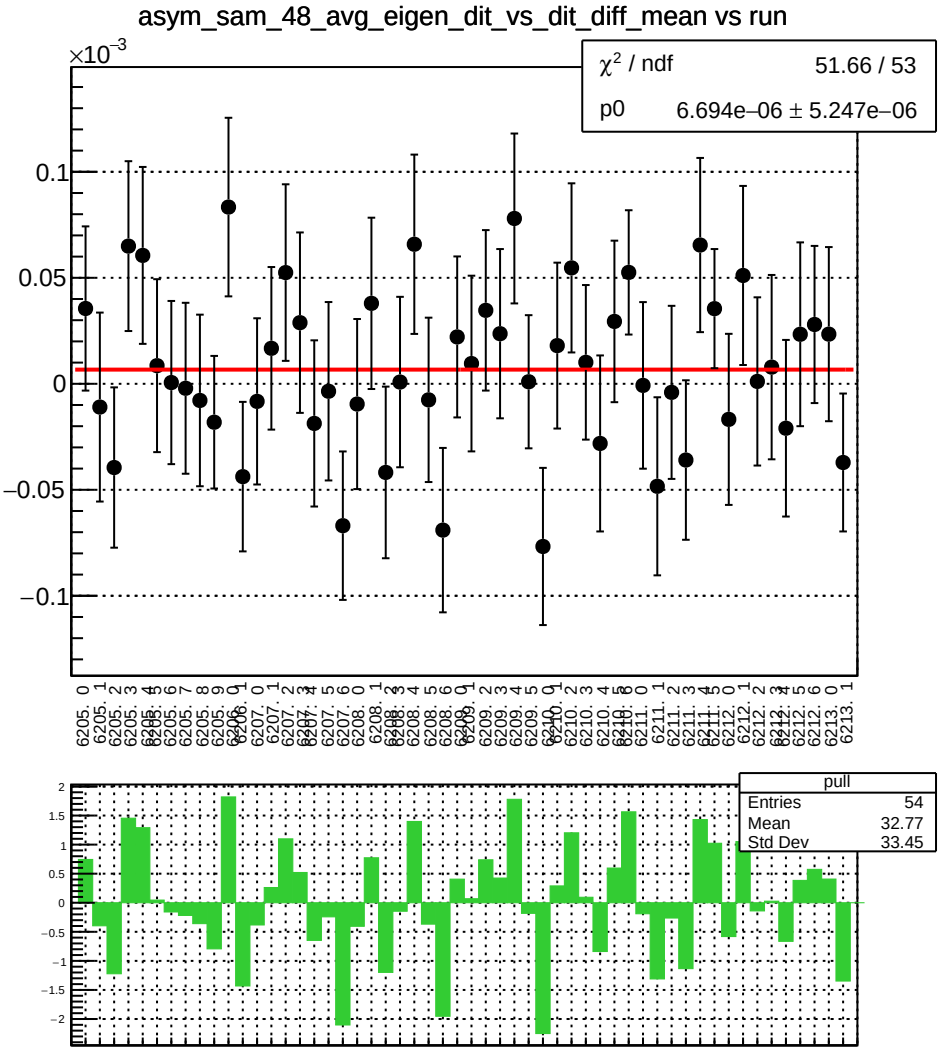

pull1D
Entries 54
Mean 0.02069
Std Dev 1.024

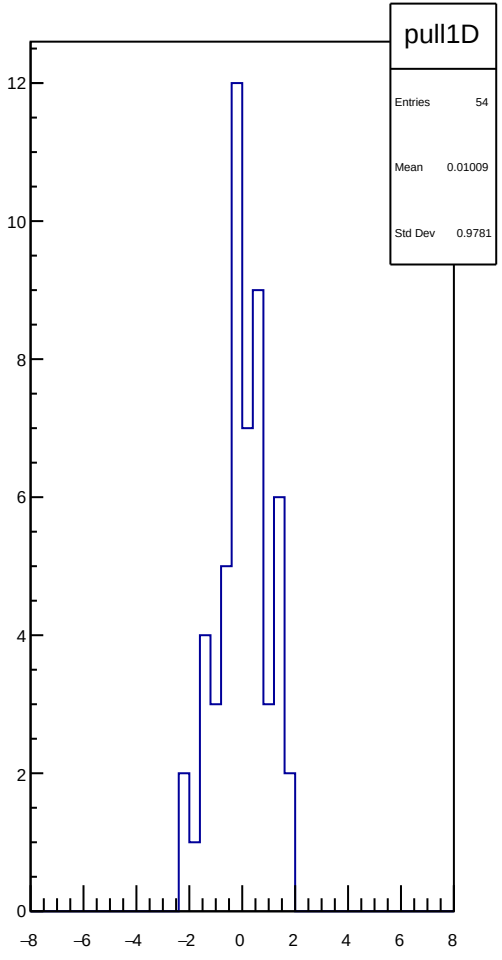

asym_sam_48_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 5.458e+04 / 53
p0 77.13 ± 0.07694
400
350
300
250
200
150
100
50
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

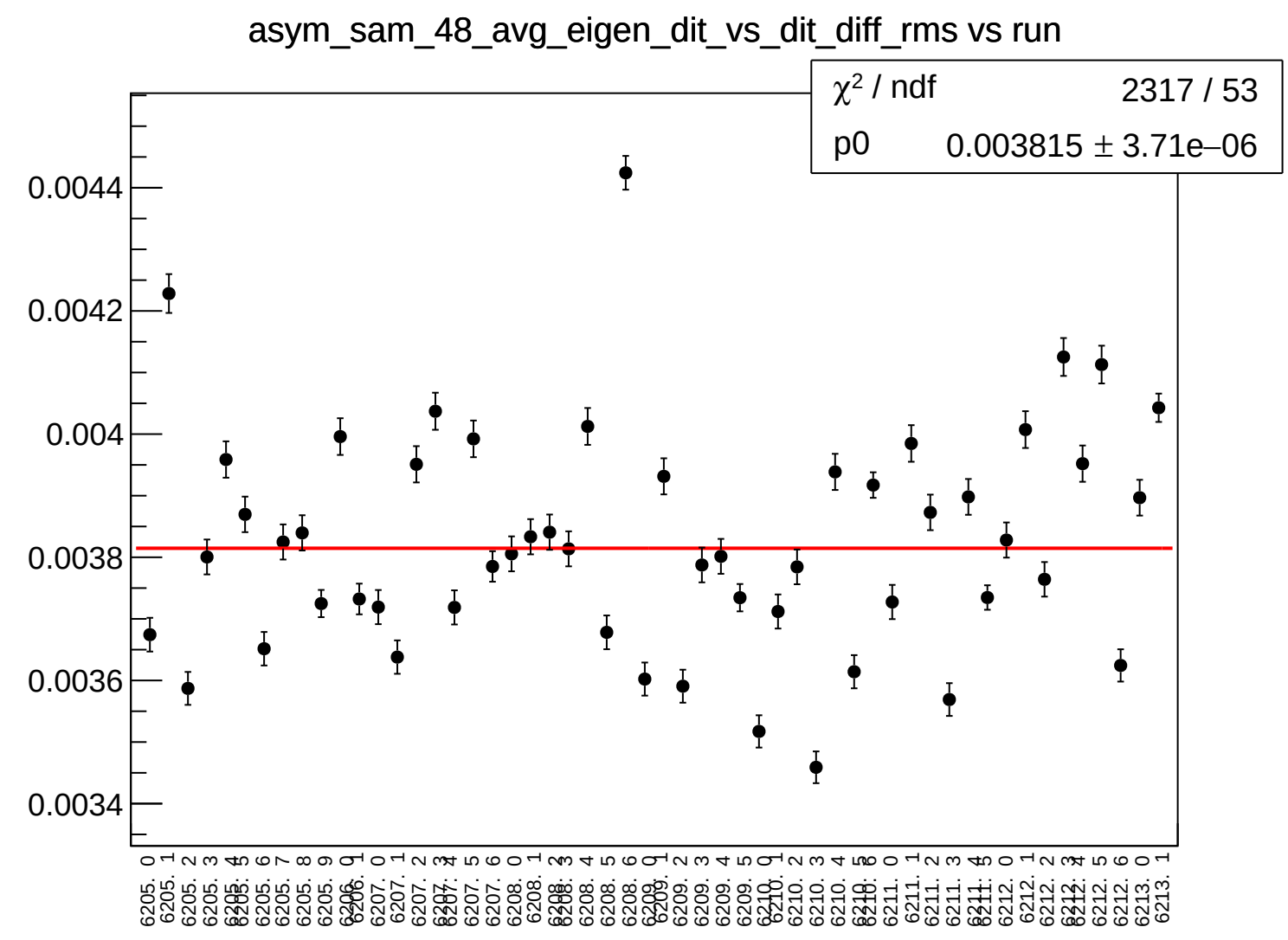

asym_sam_48_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 56.65 / 53
p0 0.131 ± 0.1088
pull
Entries 54
Mean −7.545
Std Dev 0

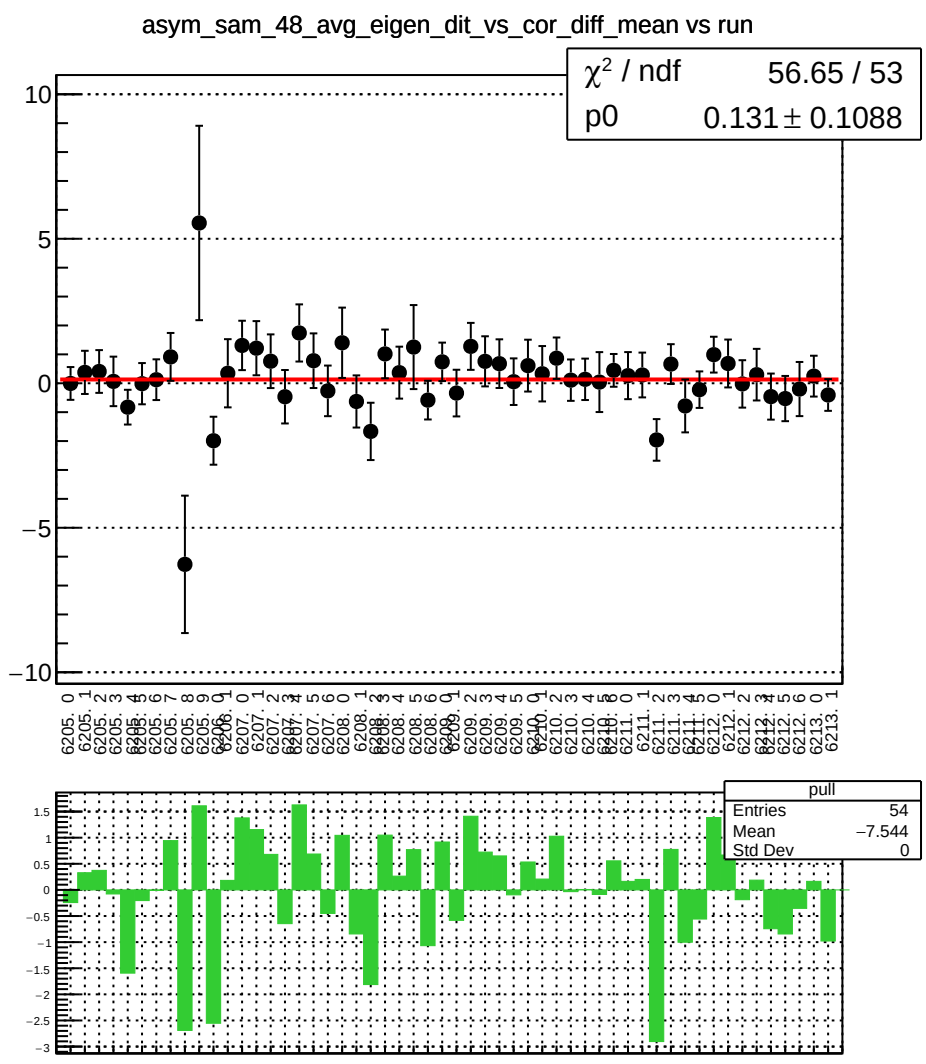

pull1D
Entries 54
Mean 0.02069
Std Dev 1.024

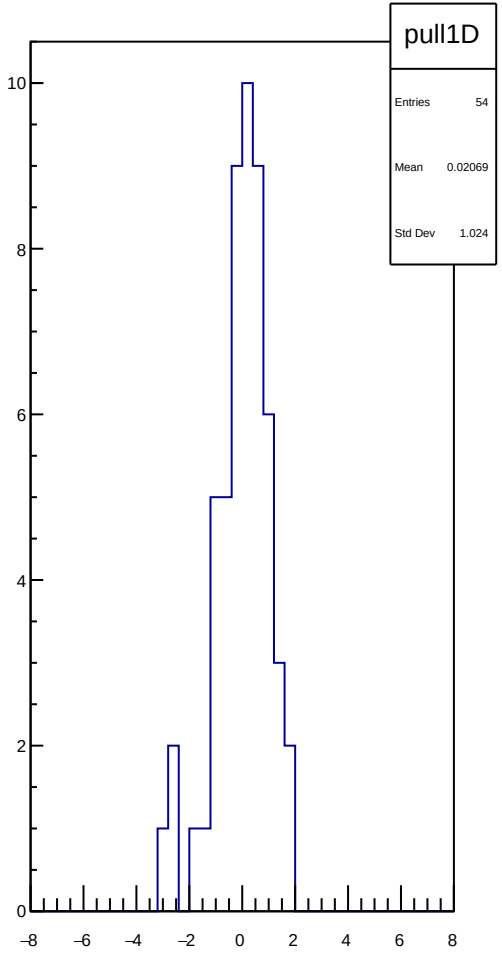

asym_sam_48_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.458e+04 / 53
p0 77.13 ± 0.07694
400
350
300
250
200
150
100
50
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

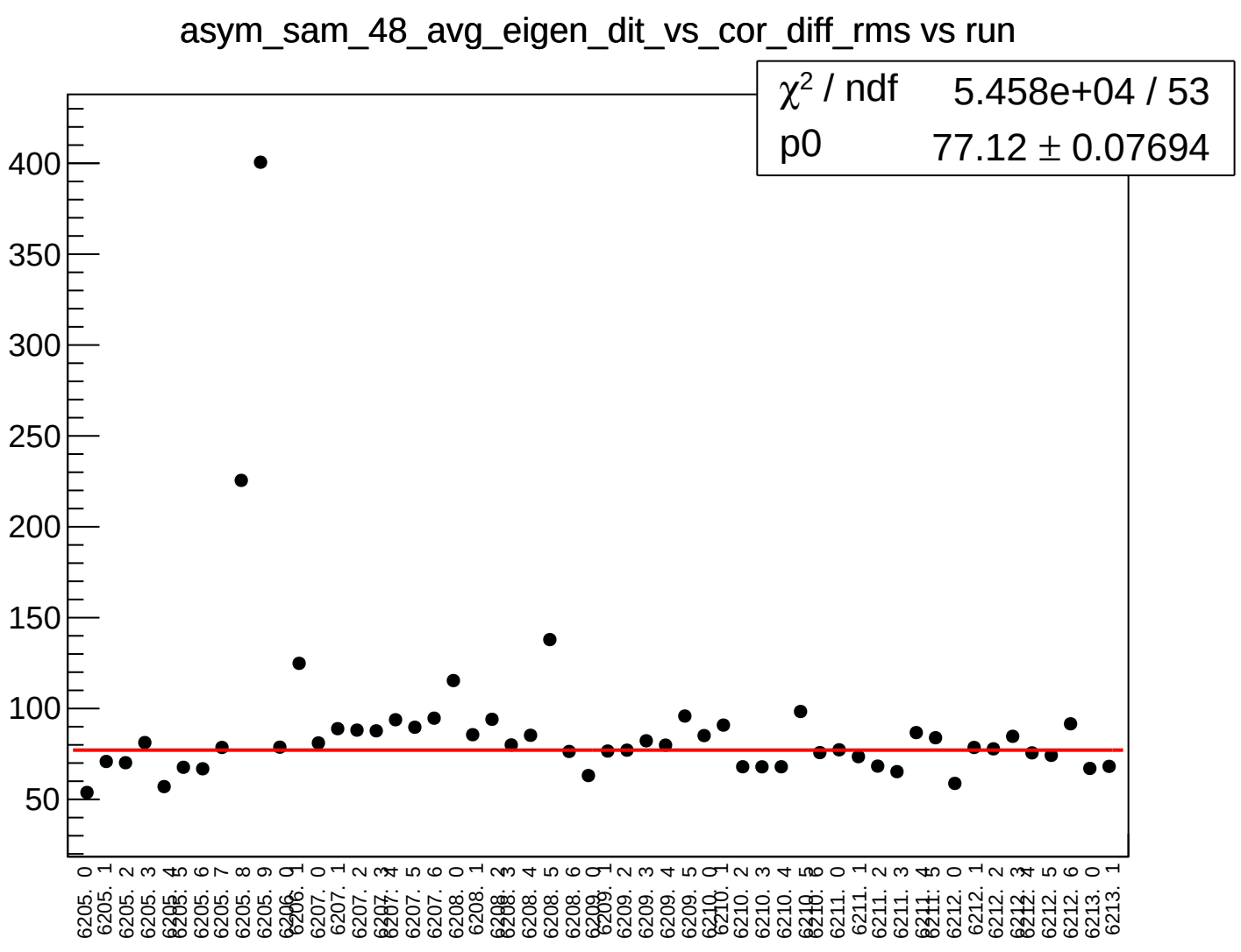

asym_sam_48_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 51.66 / 53
p0 6.694e−06 ± 5.247e−06
0.1
0.05
0
−0.05
−0.1
pull
Entries 54
Mean 32.77
Std Dev 33.45
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

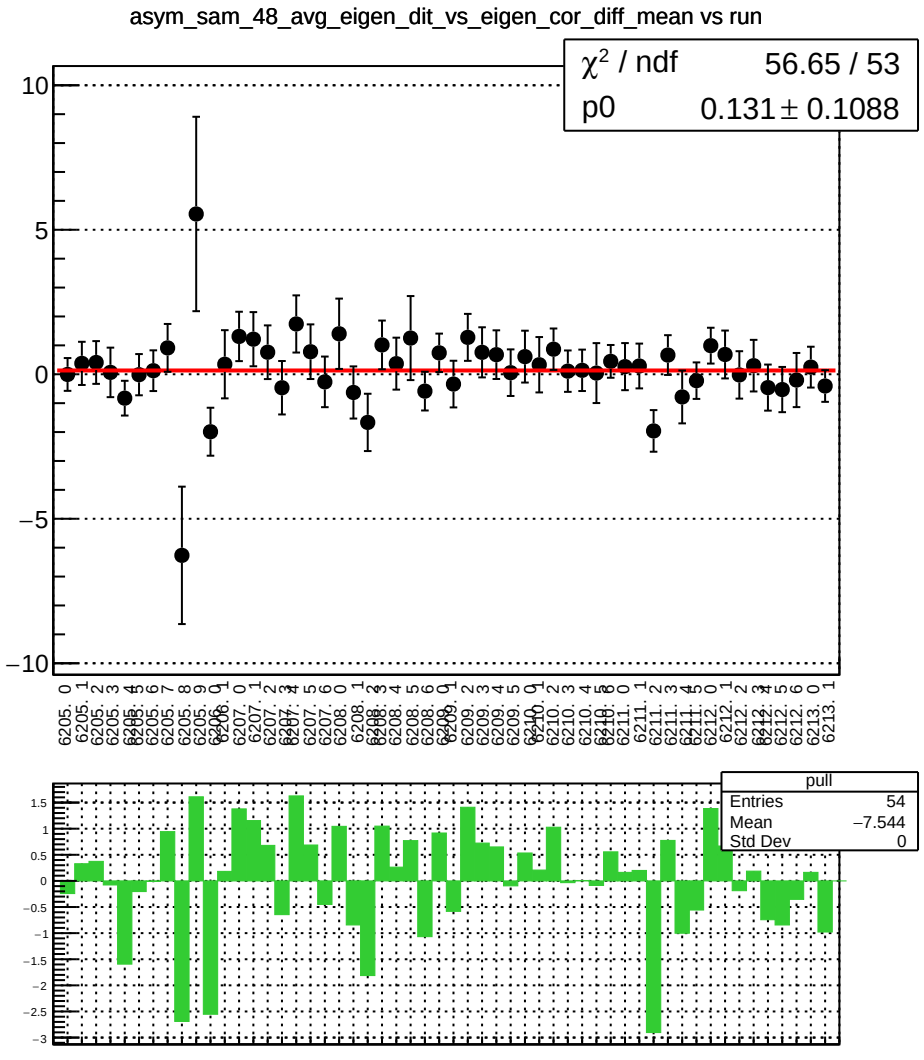

pull1D
Entries 54
Mean 0.01009
Std Dev 0.9781
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

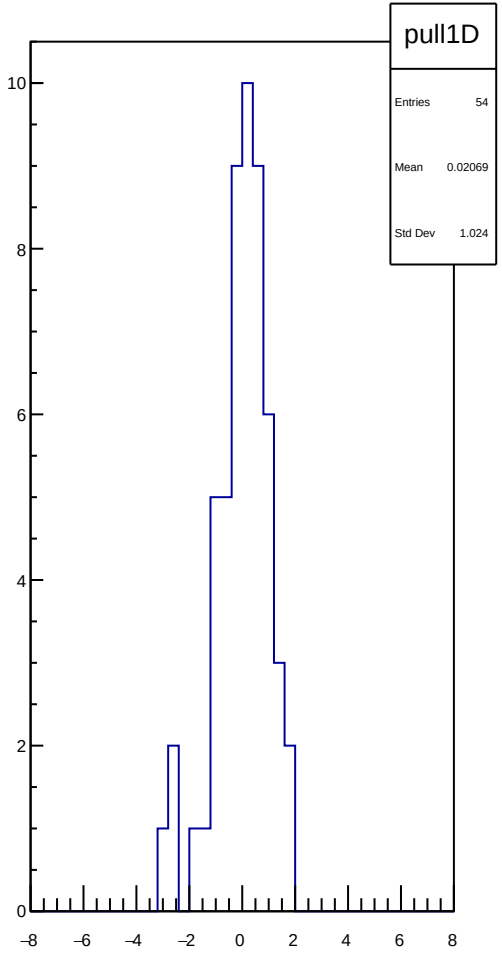

asym_sam_48_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2317 / 53
p0 0.003815 ± 3.71e–06
0.0044
0.0042
0.004
0.0038
0.0036
0.0034

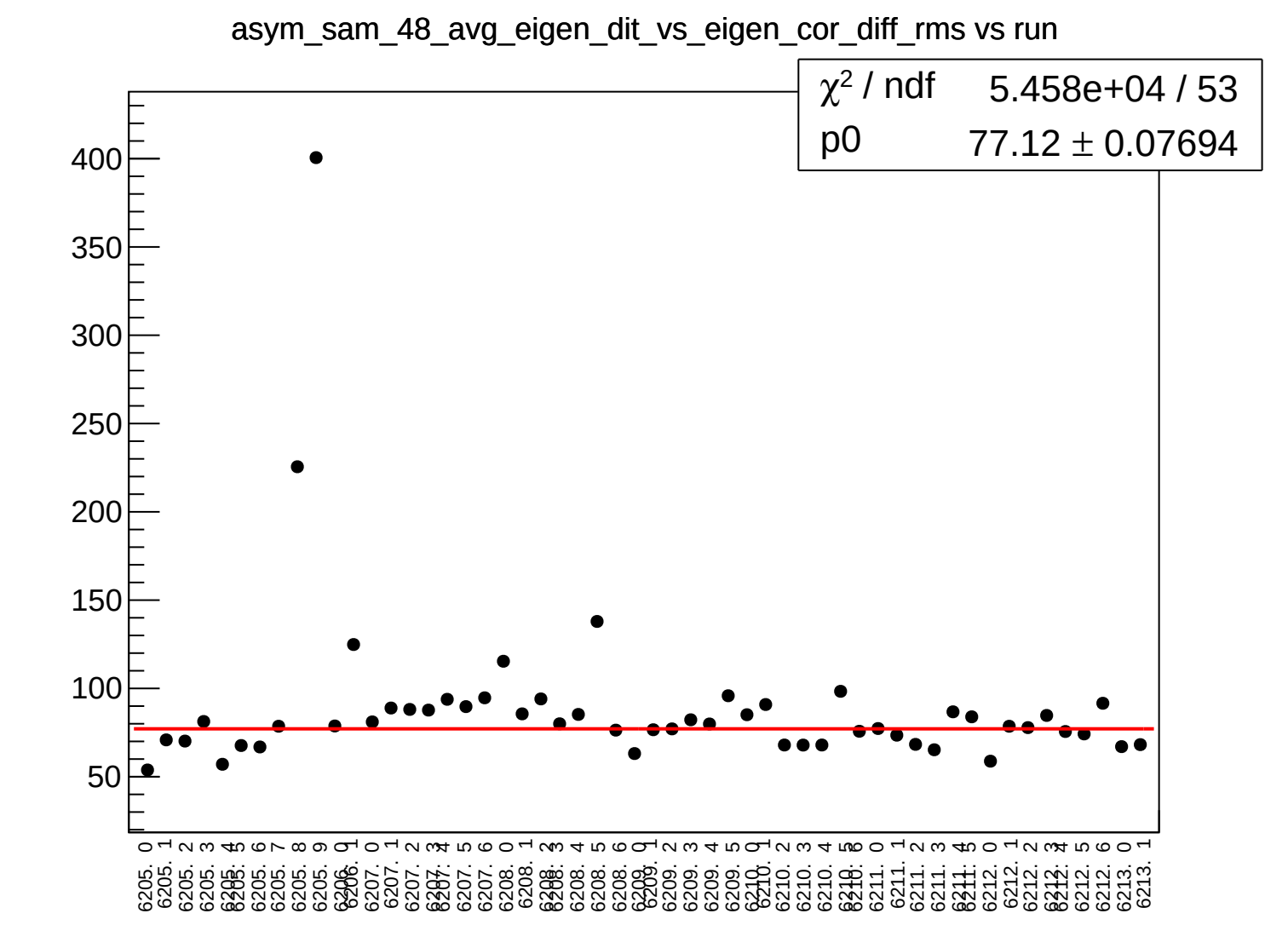

asym_sam_48_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 56.65 / 53
p0 0.131 ± 0.1088
pull
Entries 54
Mean −7.544
Std Dev 0

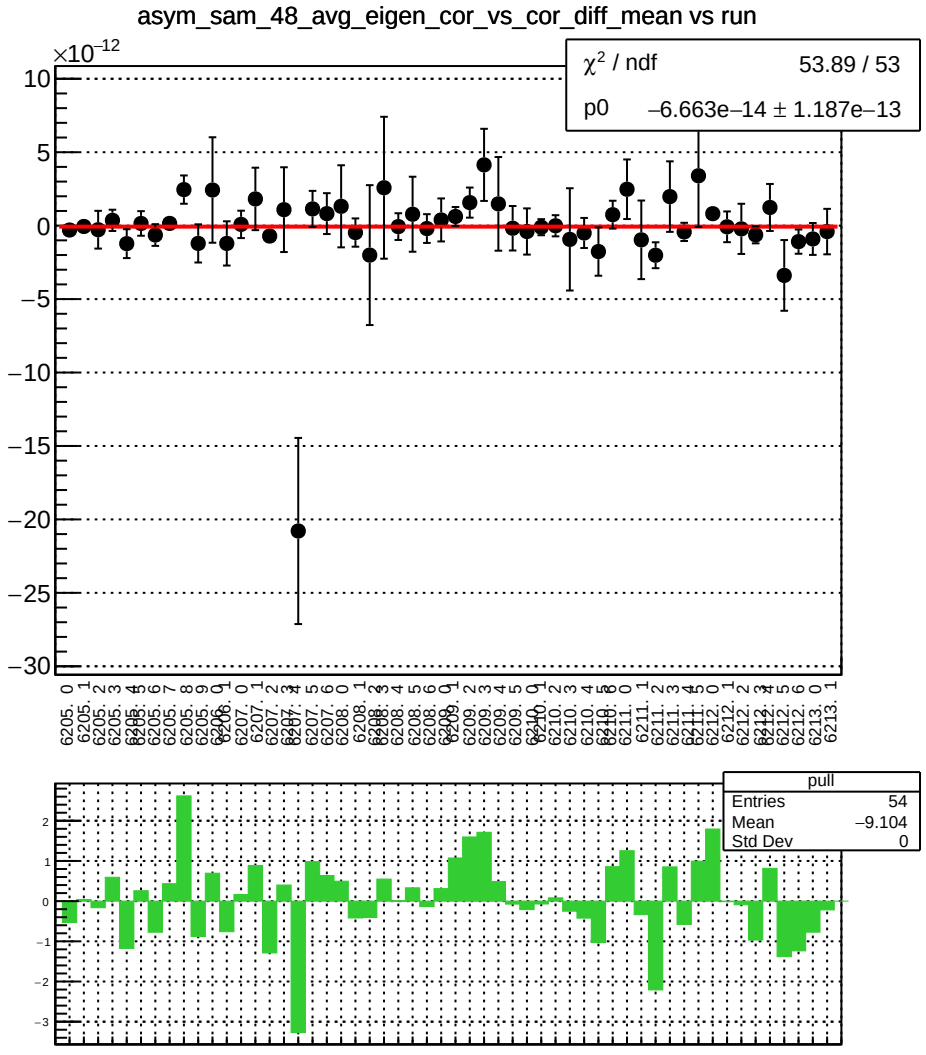

pull1D
Entries 54
Mean 0.02069
Std Dev 1.024

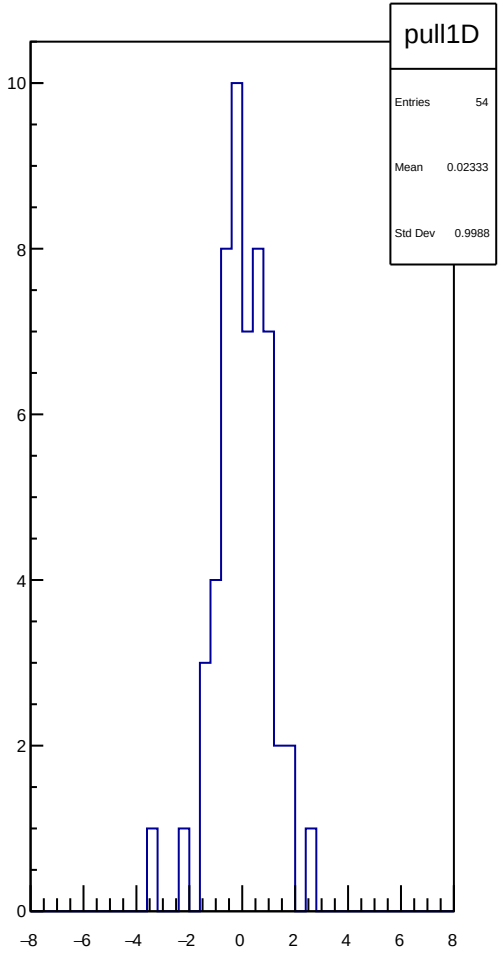

asym_sam_48_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.458e+04 / 53
p0 77.12 ± 0.07694
400
350
300
250
200
150
100
50
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

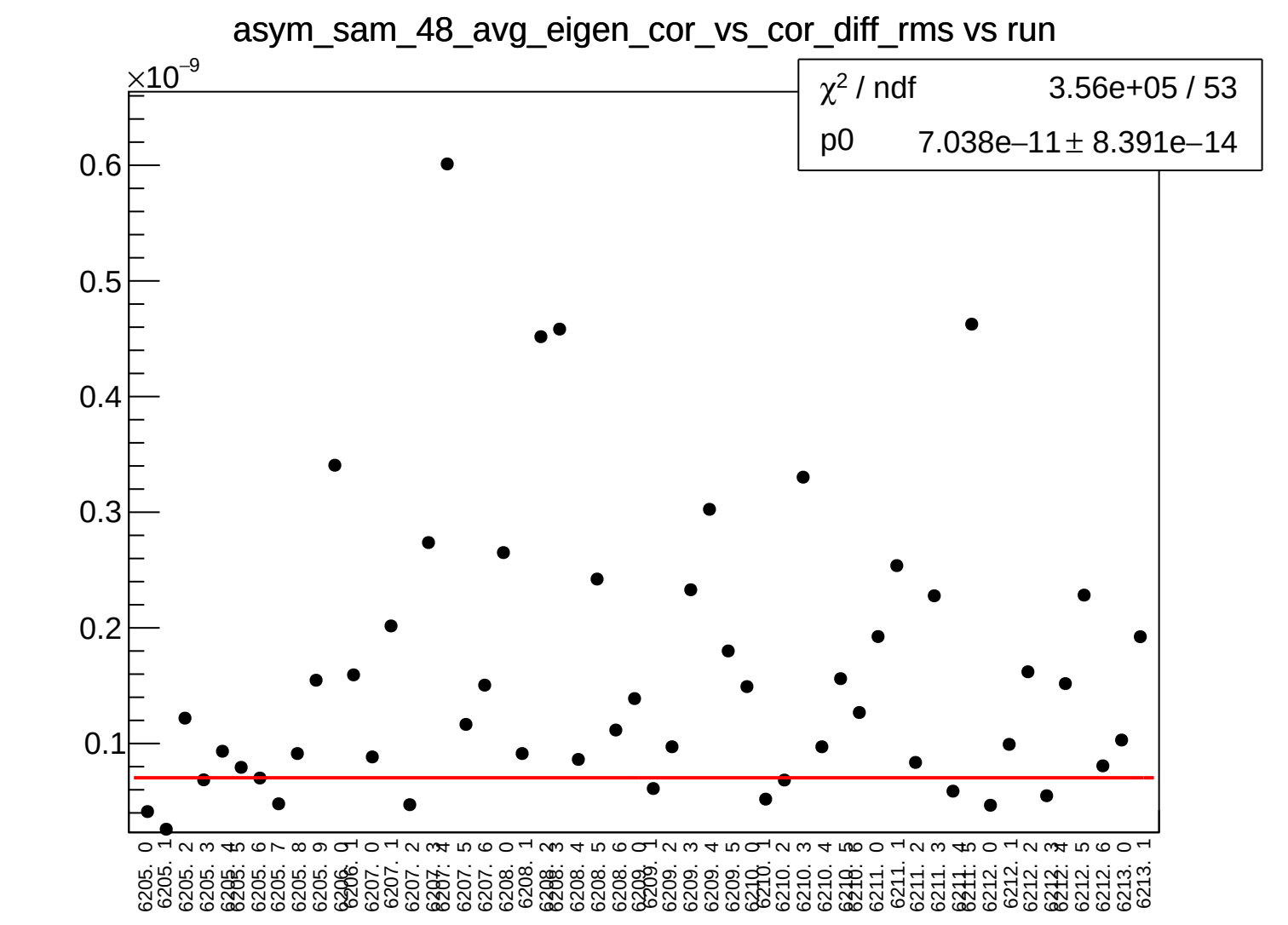

asym_sam_48_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 56.65 / 53
p0 0.131 ± 0.1088
pull
Entries 54
Mean −7.544
Std Dev 0

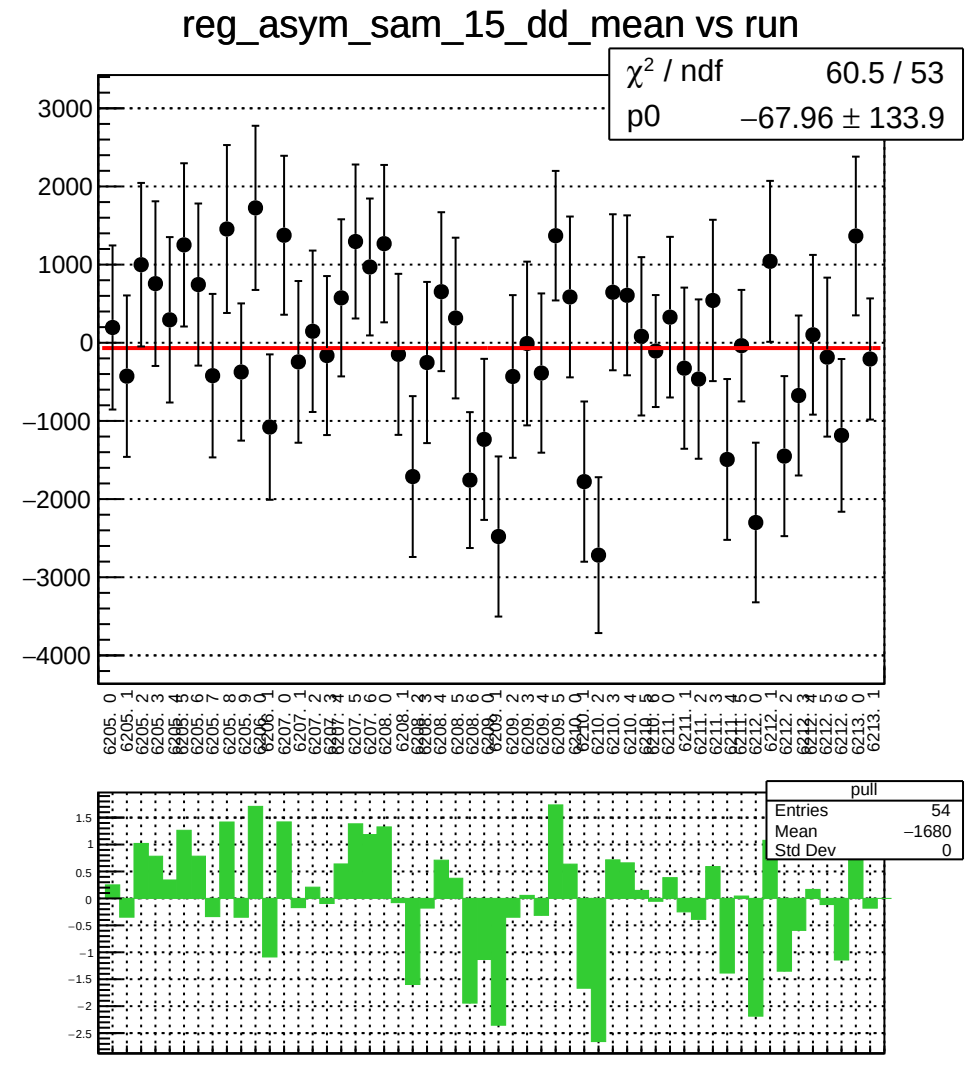

pull1D
Entries 54
Mean 0.02069
Std Dev 1.024

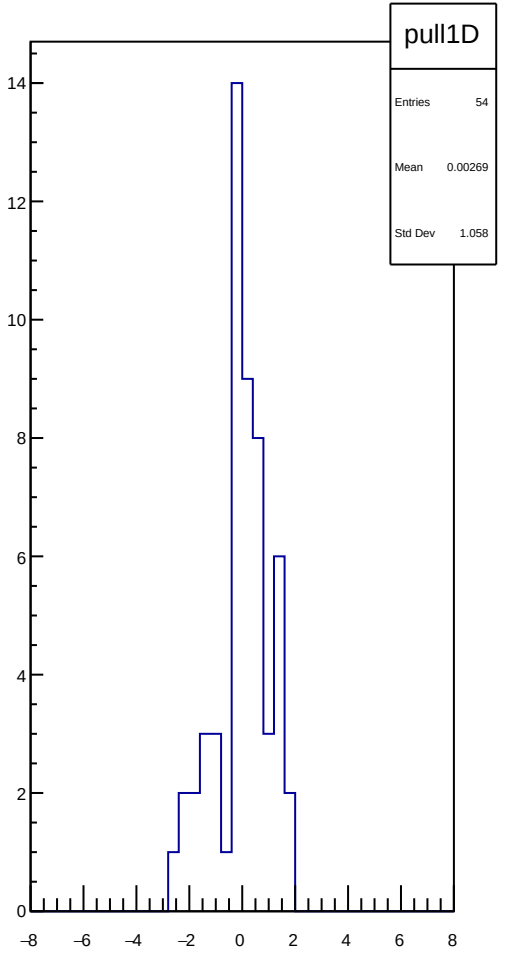

asym_sam_48_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.458e+04 / 53
p0 77.12 ± 0.07694
400
350
300
250
200
150
100
50
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

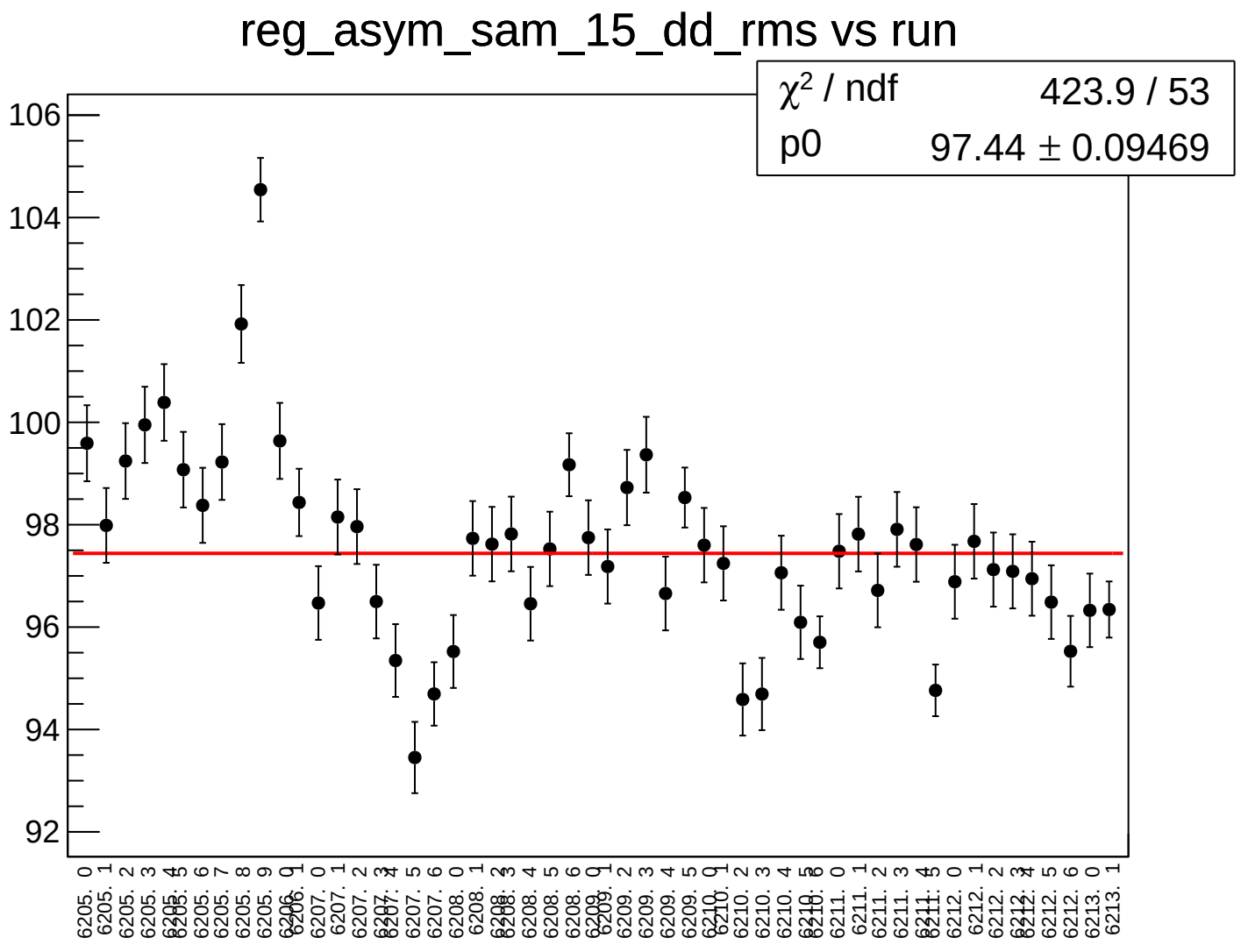

asym_sam_48_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 53.89 / 53
p0 −6.663e−14 ± 1.187e−13
pull
Entries 54
Mean −9.104
Std Dev 0

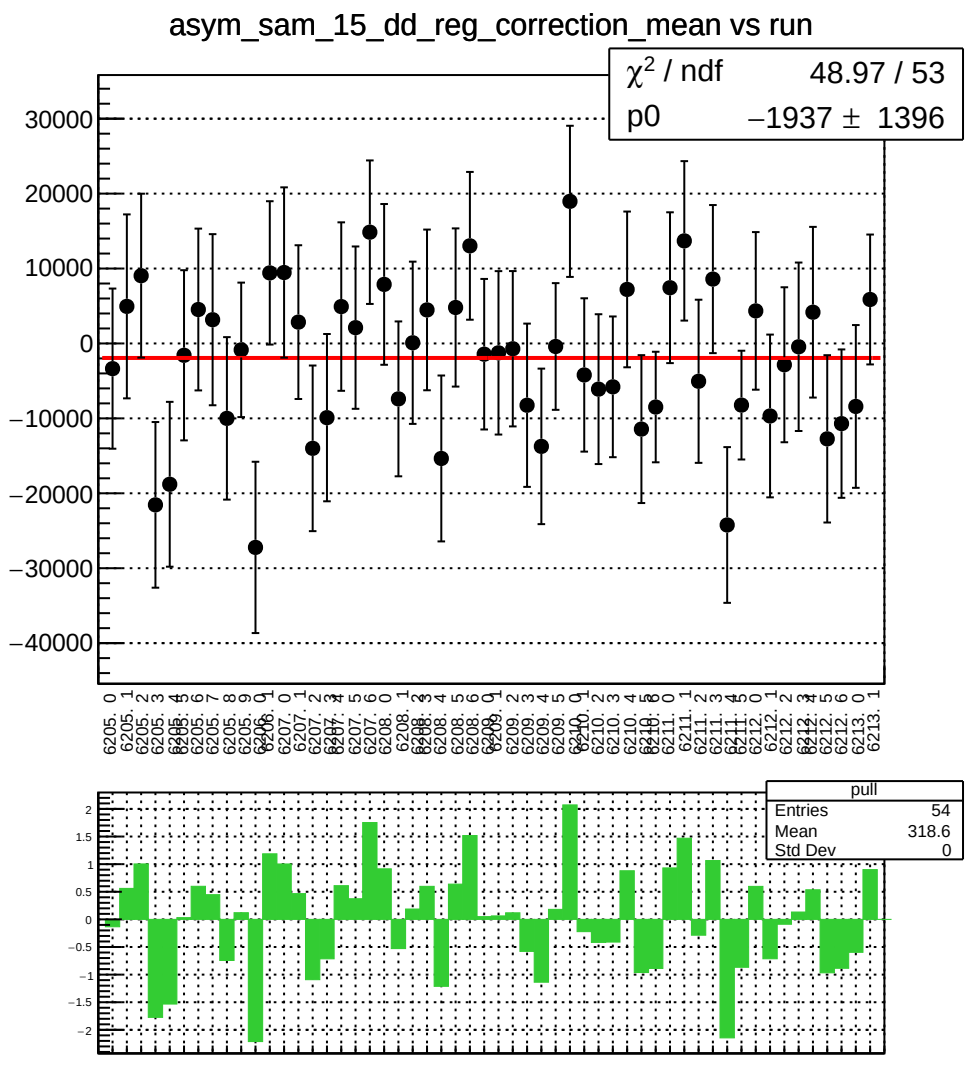

pull1D
Entries 54
Mean 0.02333
Std Dev 0.9988

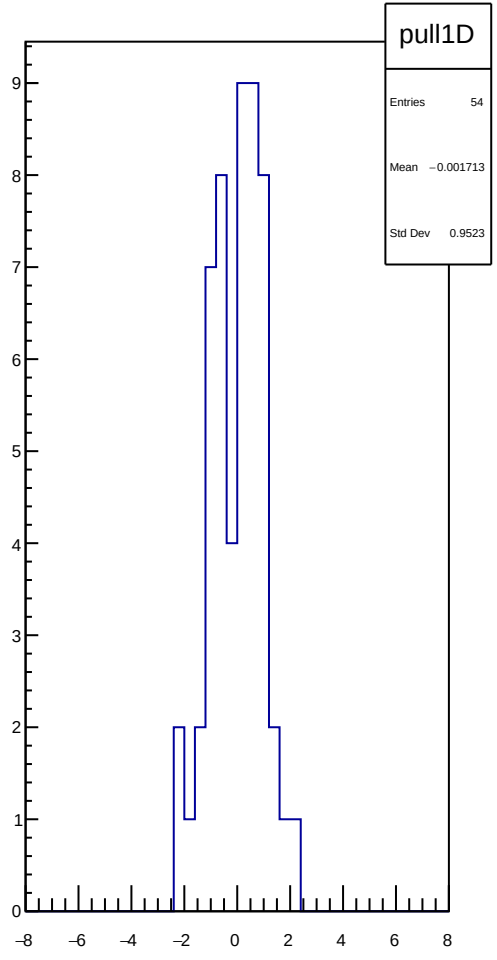

asym_sam_48_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.56e+05 / 53
p0 7.038e−11 ± 8.391e−14
0.6
0.5
0.4
0.3
0.2
0.1
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 1
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

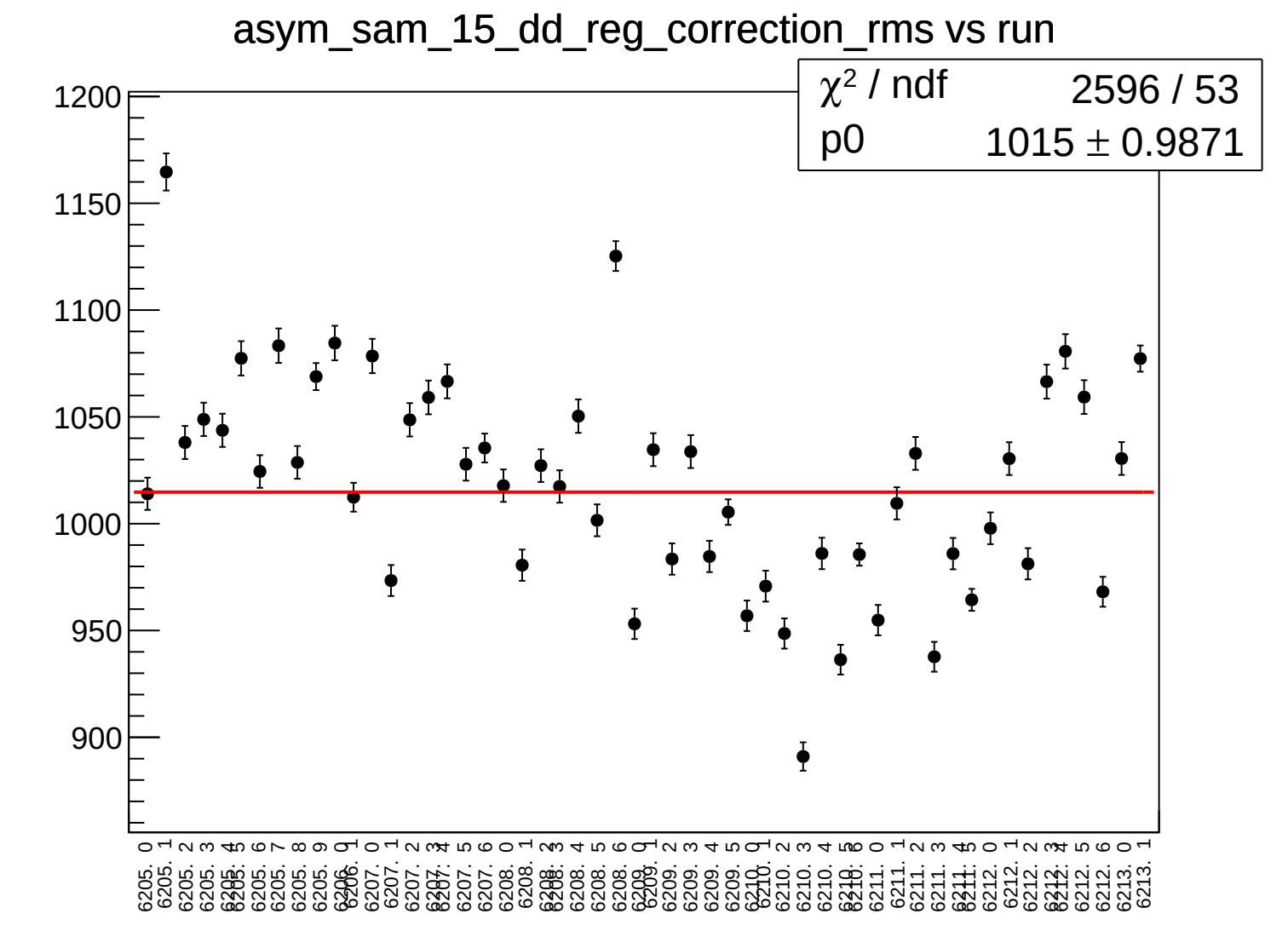

reg_asym_sam_15_dd_mean vs run
χ² / ndf 60.5 / 53
p0 −67.96 ± 133.9
pull
Entries 54
Mean −1680
Std Dev 0


pull1D
Entries 54
Mean 0.00269
Std Dev 1.058


reg_asym_sam_15_dd_rms vs run
χ² / ndf 423.9 / 53
p0 97.44 ± 0.09469
106
104
102
100
98
96
94
92
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_sam_15_dd_reg_correction_mean vs run
χ² / ndf 48.97 / 53
p0 −1937 ± 1396
pull
Entries 54
Mean 318.6
Std Dev 0


pull1D
Entries 54
Mean −0.001713
Std Dev 0.9523


asym_sam_15_dd_reg_correction_rms vs run
χ² / ndf 2596 / 53
p0 1015 ± 0.9871
1200
1150
1100
1050
1000
950
900
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 1
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
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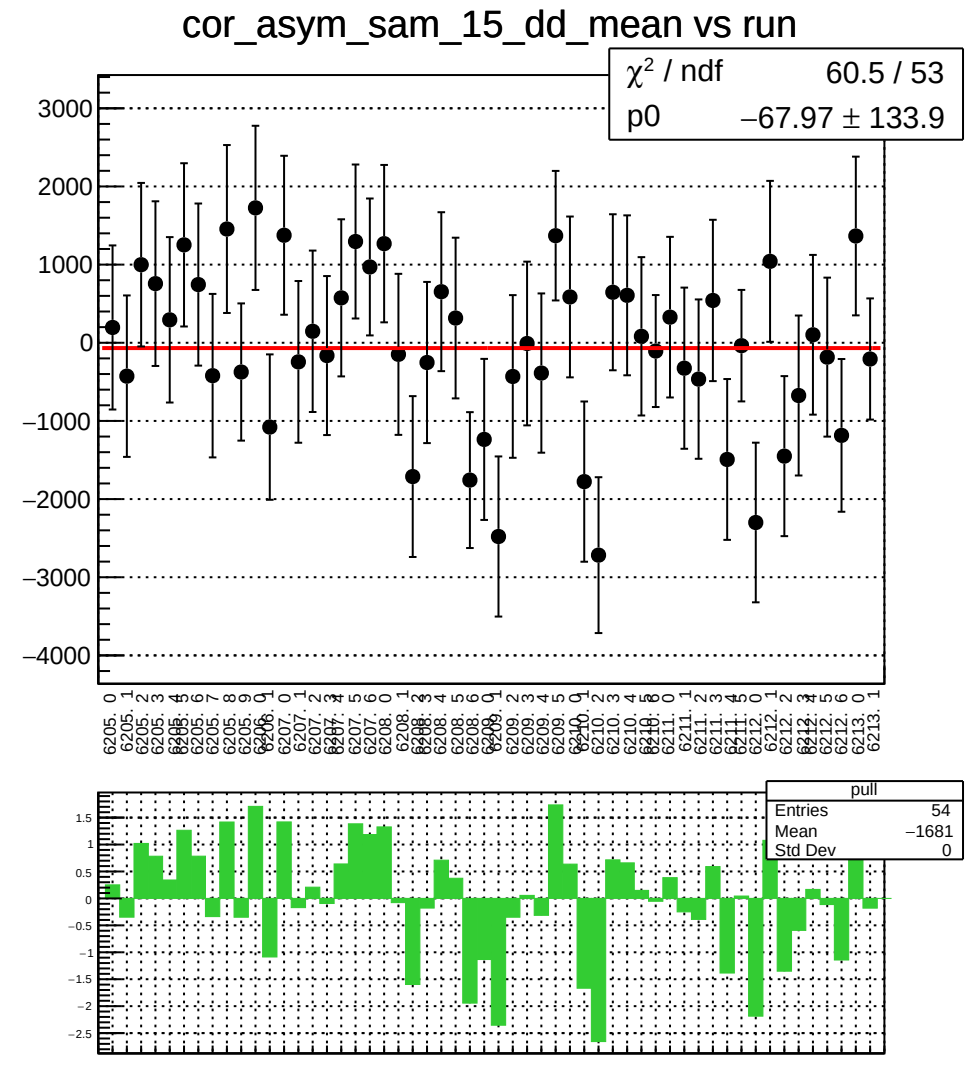
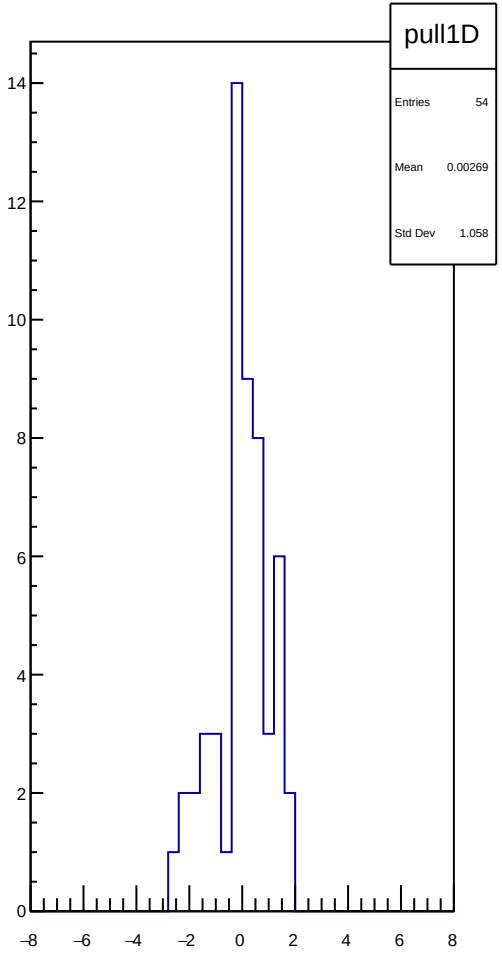
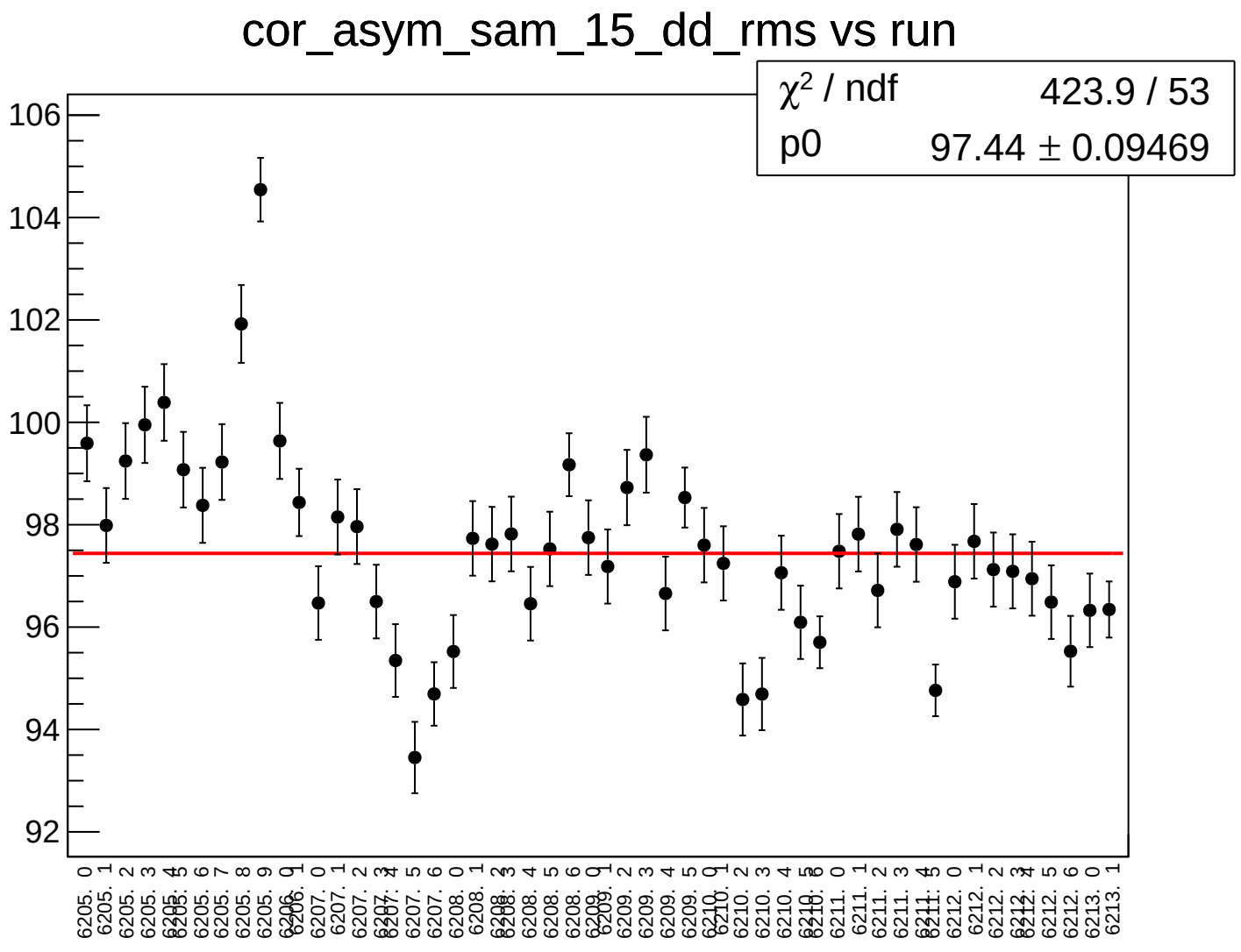
6212. 6
6213. 0
6213. 1


cor_asym_sam_15_dd_mean vs run
χ² / ndf 60.5 / 53
p0 −67.97 ± 133.9
pull
Entries 54
Mean −1681
Std Dev 0


pull1D
Entries 54
Mean 0.00269
Std Dev 1.058


cor_asym_sam_15_dd_rms vs run
χ² / ndf 423.9 / 53
p0 97.44 ± 0.09469
106
104
102
100
98
96
94
92
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
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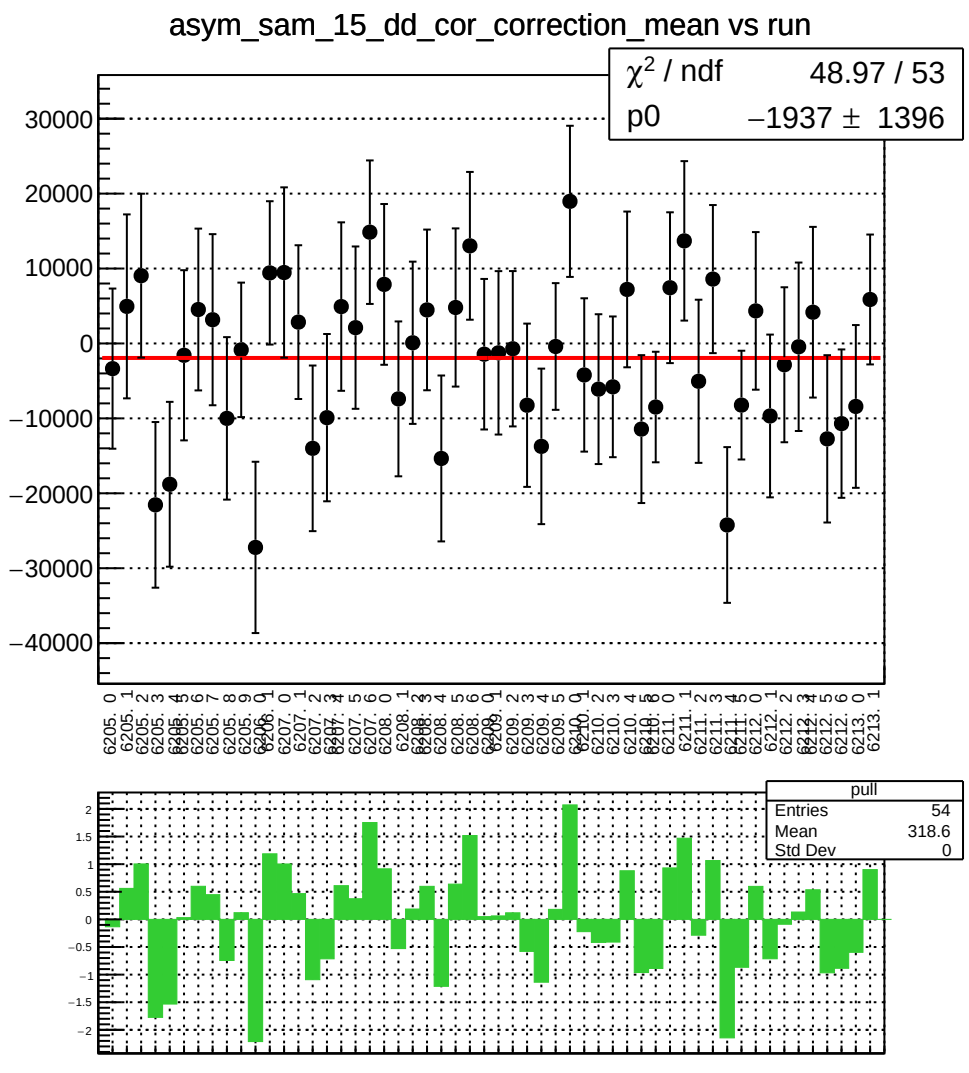
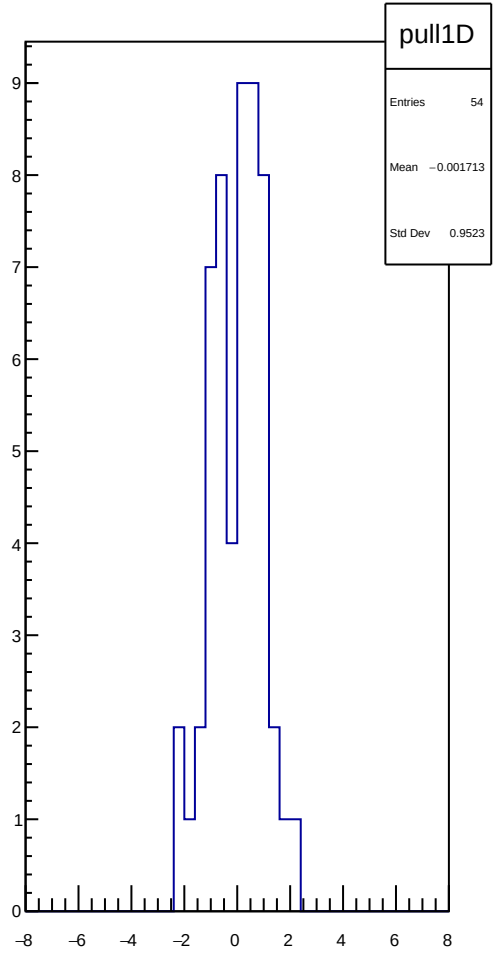
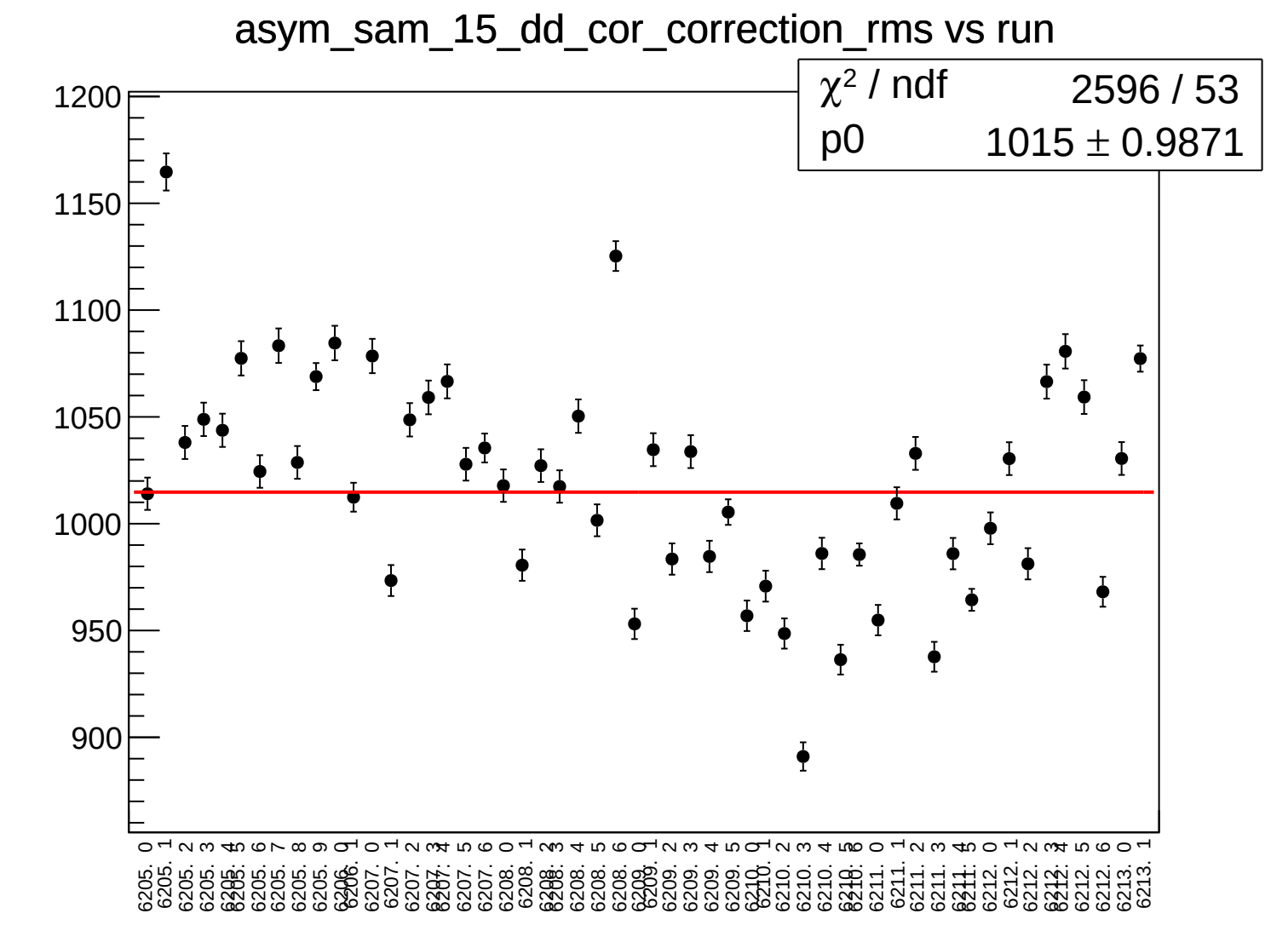
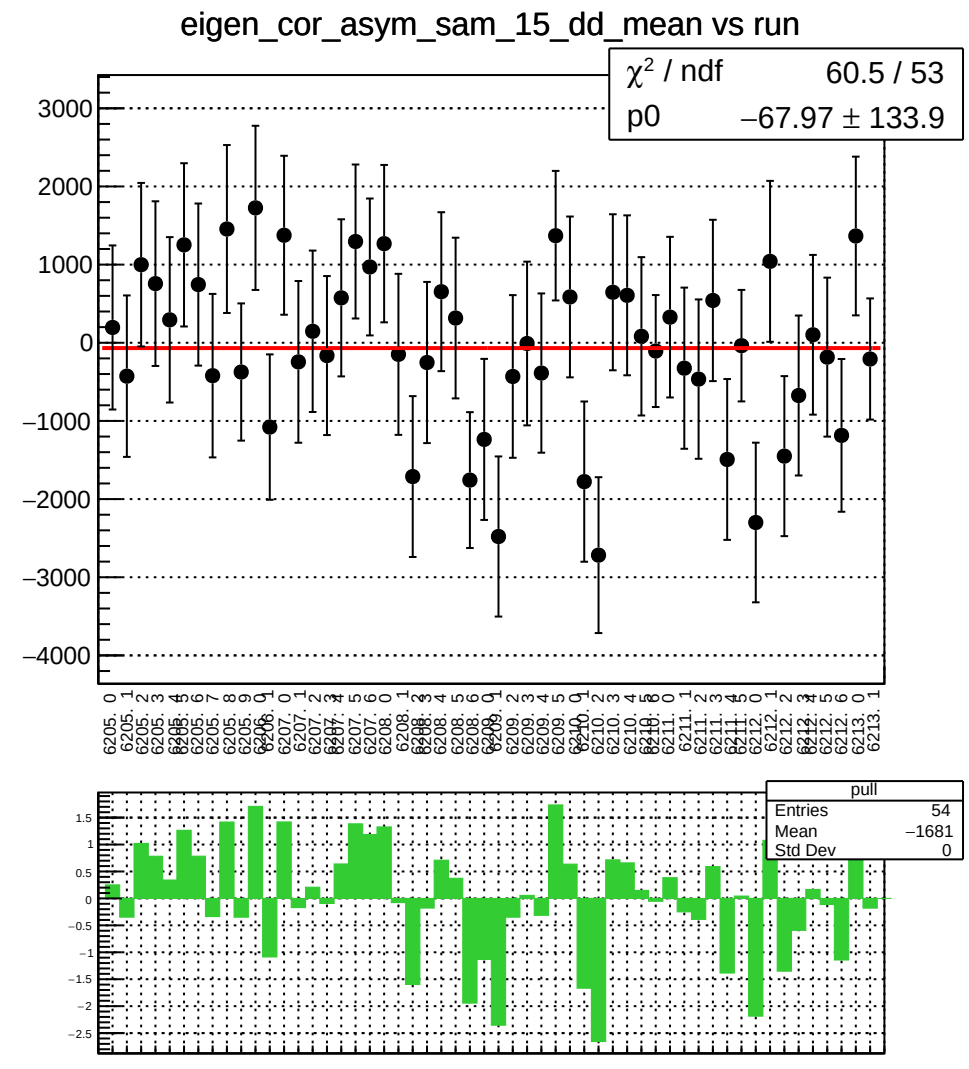
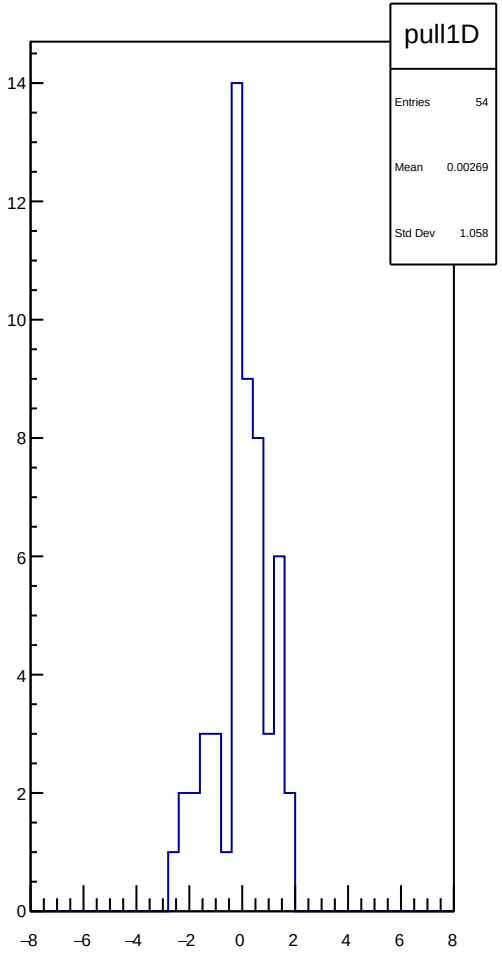
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

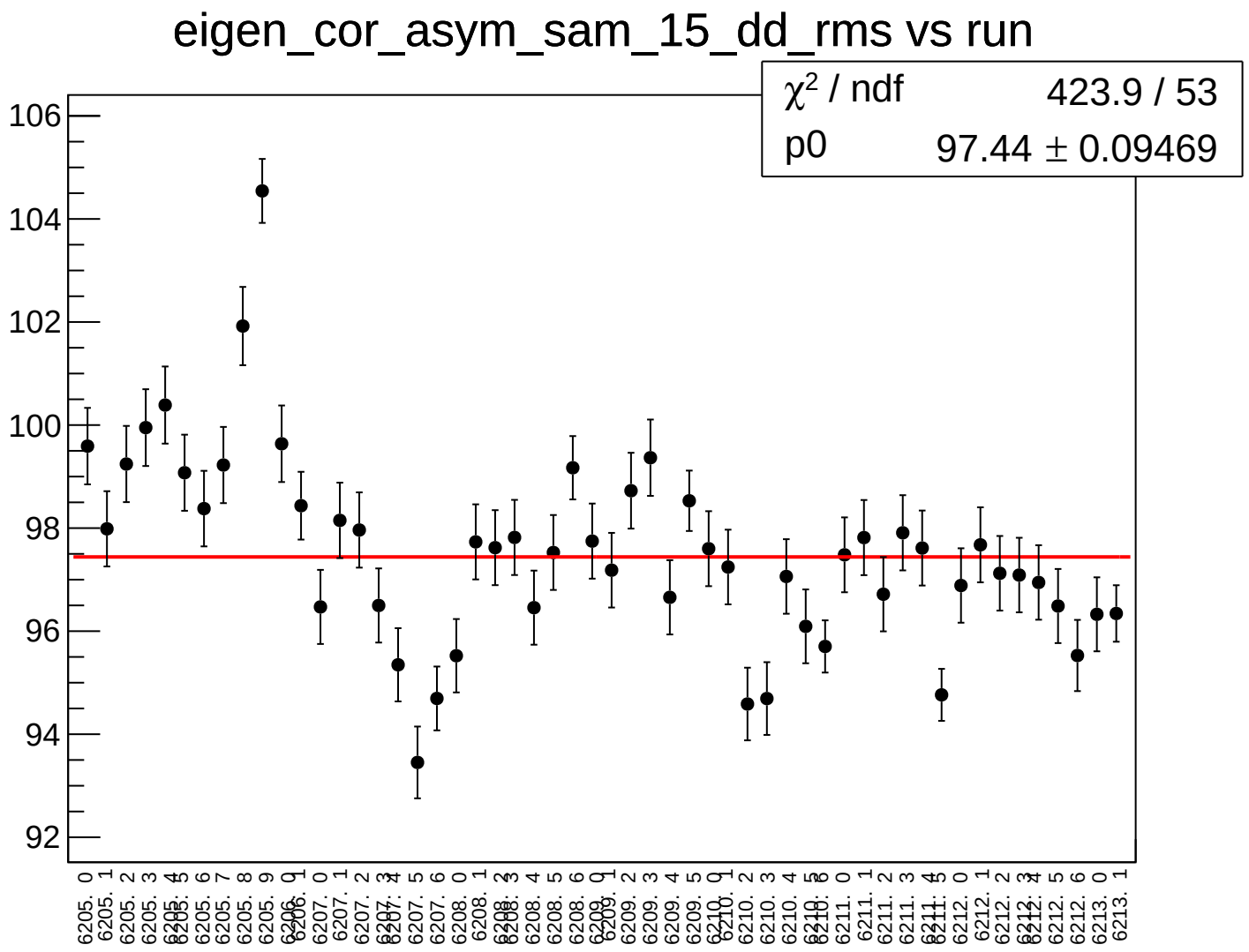

asym_sam_15_dd_cor_correction_mean vs run
χ² / ndf 48.97 / 53
p0 −1937 ± 1396
pull
Entries 54
Mean 318.6
Std Dev 0


pull1D
Entries 54
Mean −0.001713
Std Dev 0.9523


asym_sam_15_dd_cor_correction_rms vs run
χ² / ndf 2596 / 53
p0 1015 ± 0.9871
1200
1150
1100
1050
1000
950
900
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


eigen_cor_asym_sam_15_dd_mean vs run
χ² / ndf 60.5 / 53
p0 −67.97 ± 133.9
pull
Entries 54
Mean −1681
Std Dev 0


pull1D
Entries 54
Mean 0.00269
Std Dev 1.058


eigen_cor_asym_sam_15_dd_rms vs run
χ² / ndf 423.9 / 53
p0 97.44 ± 0.09469
106
104
102
100
98
96
94
92
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
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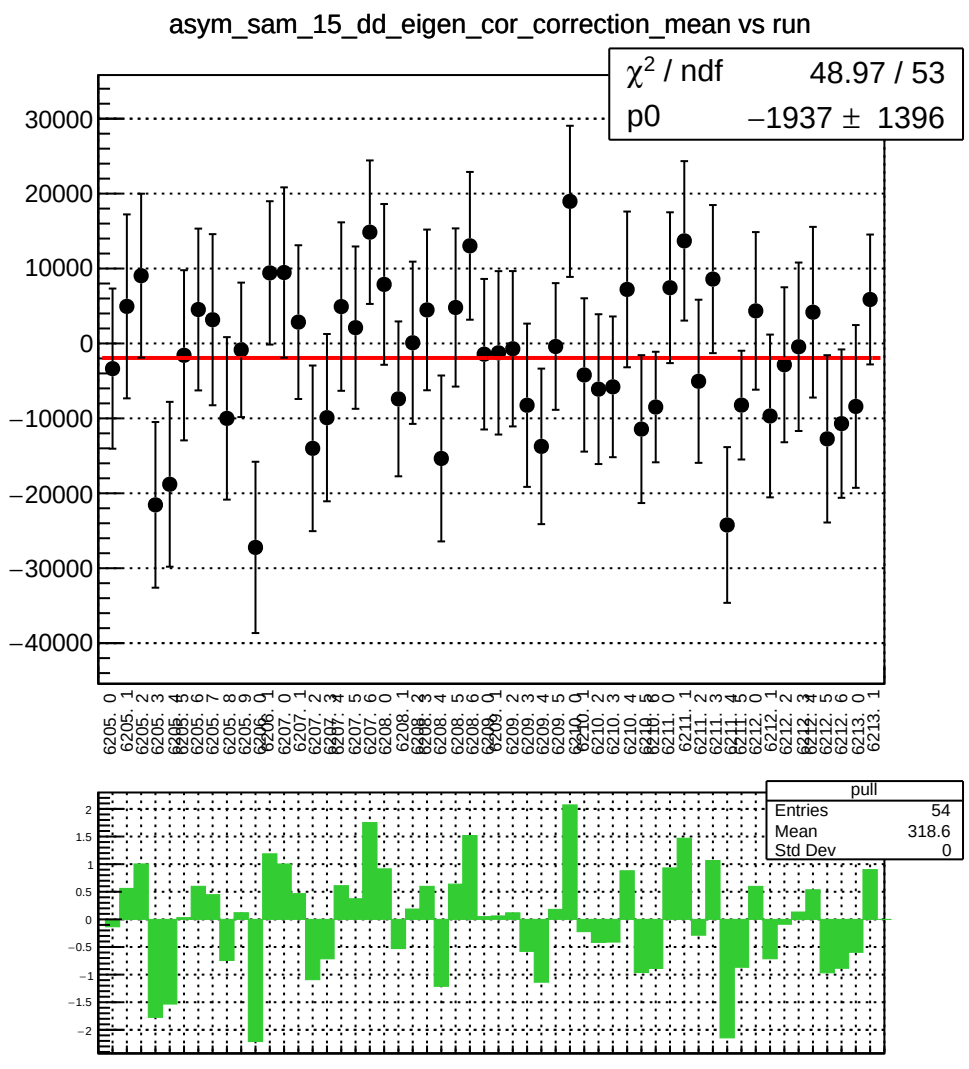
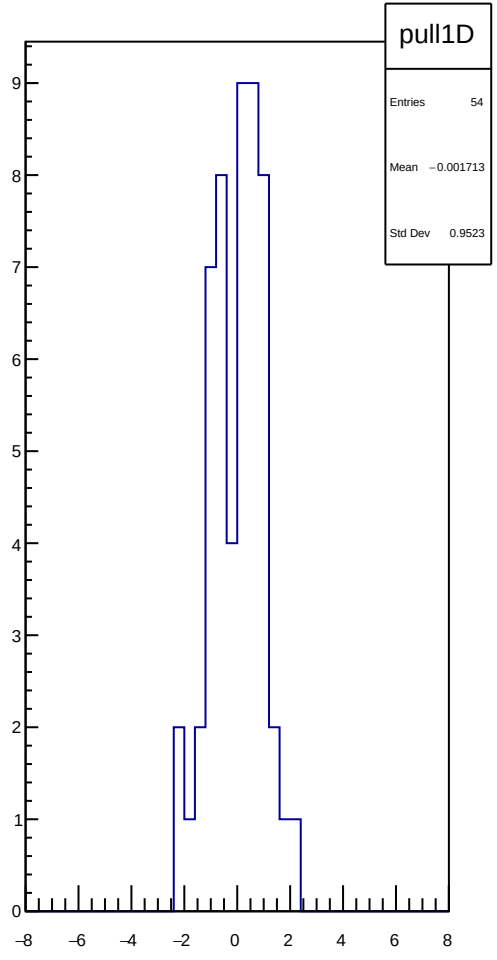
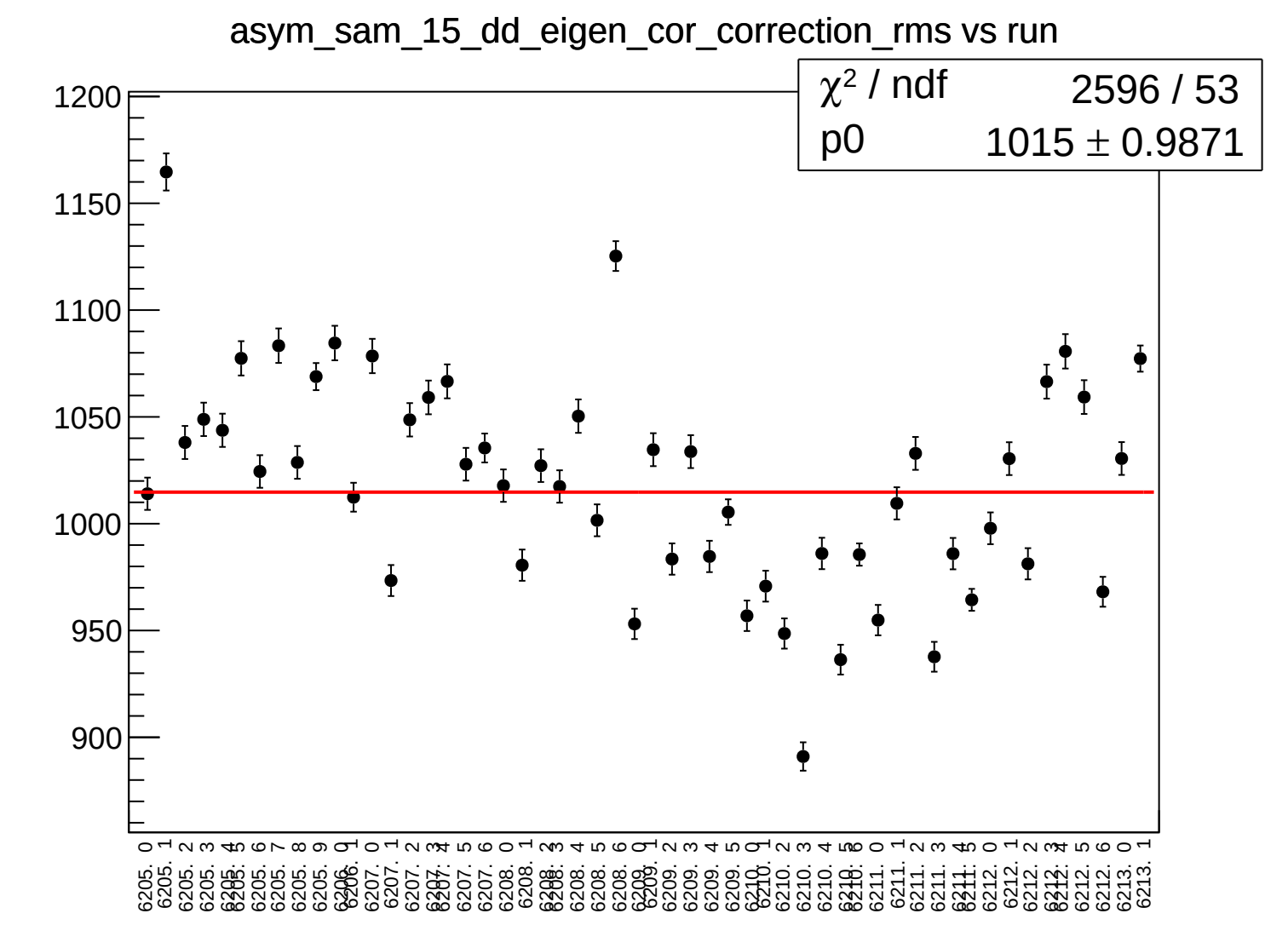
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_sam_15_dd_eigen_cor_correction_mean vs run
χ² / ndf 48.97 / 53
p0 −1937 ± 1396
pull
Entries 54
Mean 318.6
Std Dev 0


pull1D
Entries 54
Mean −0.001713
Std Dev 0.9523


asym_sam_15_dd_eigen_cor_correction_rms vs run
χ² / ndf 2596 / 53
p0 1015 ± 0.9871
1200
1150
1100
1050
1000
950
900
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
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6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
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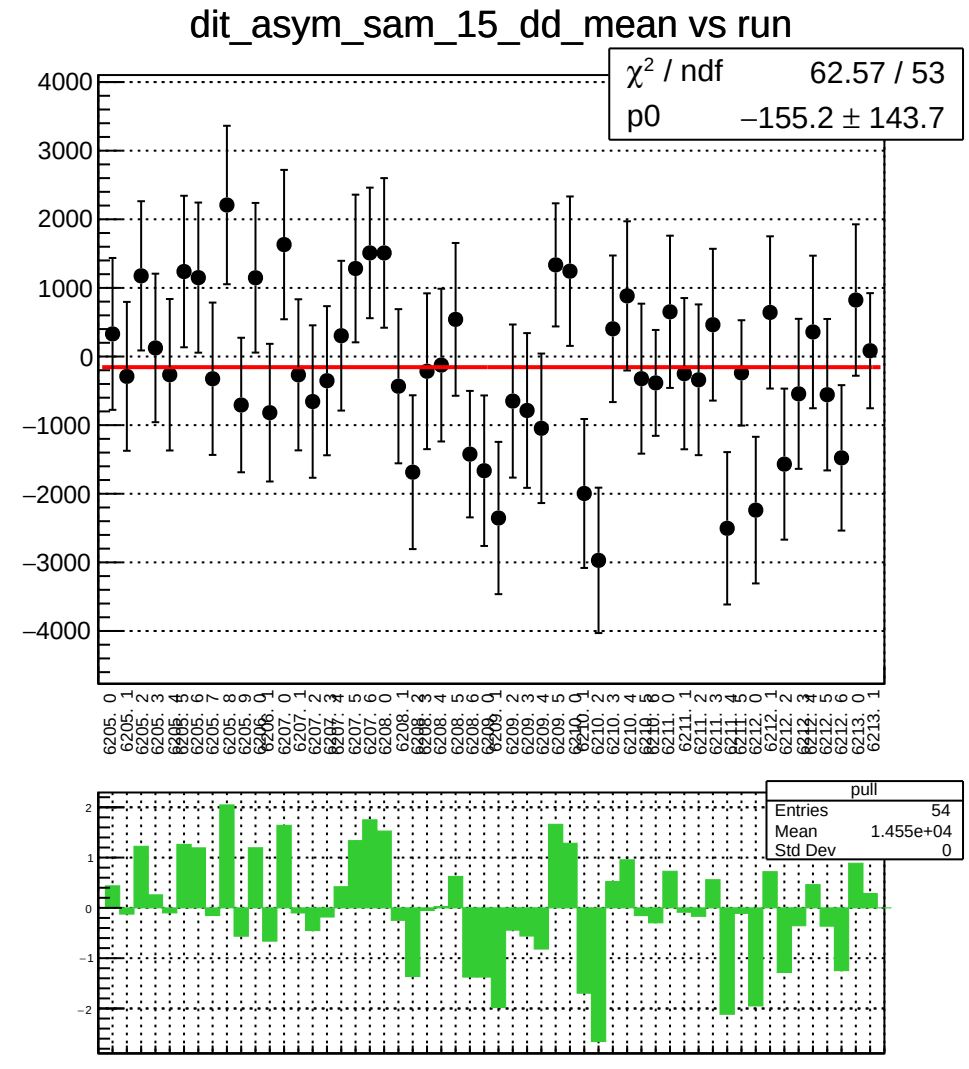
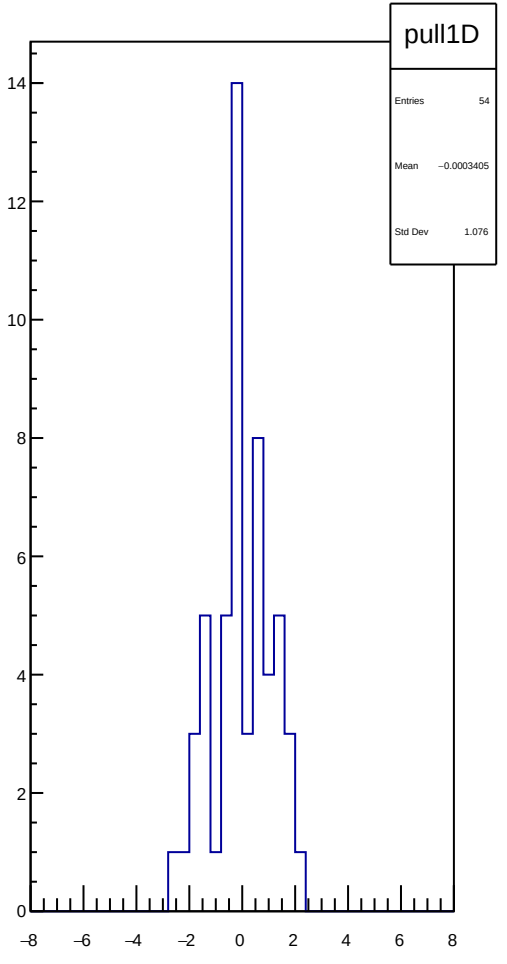
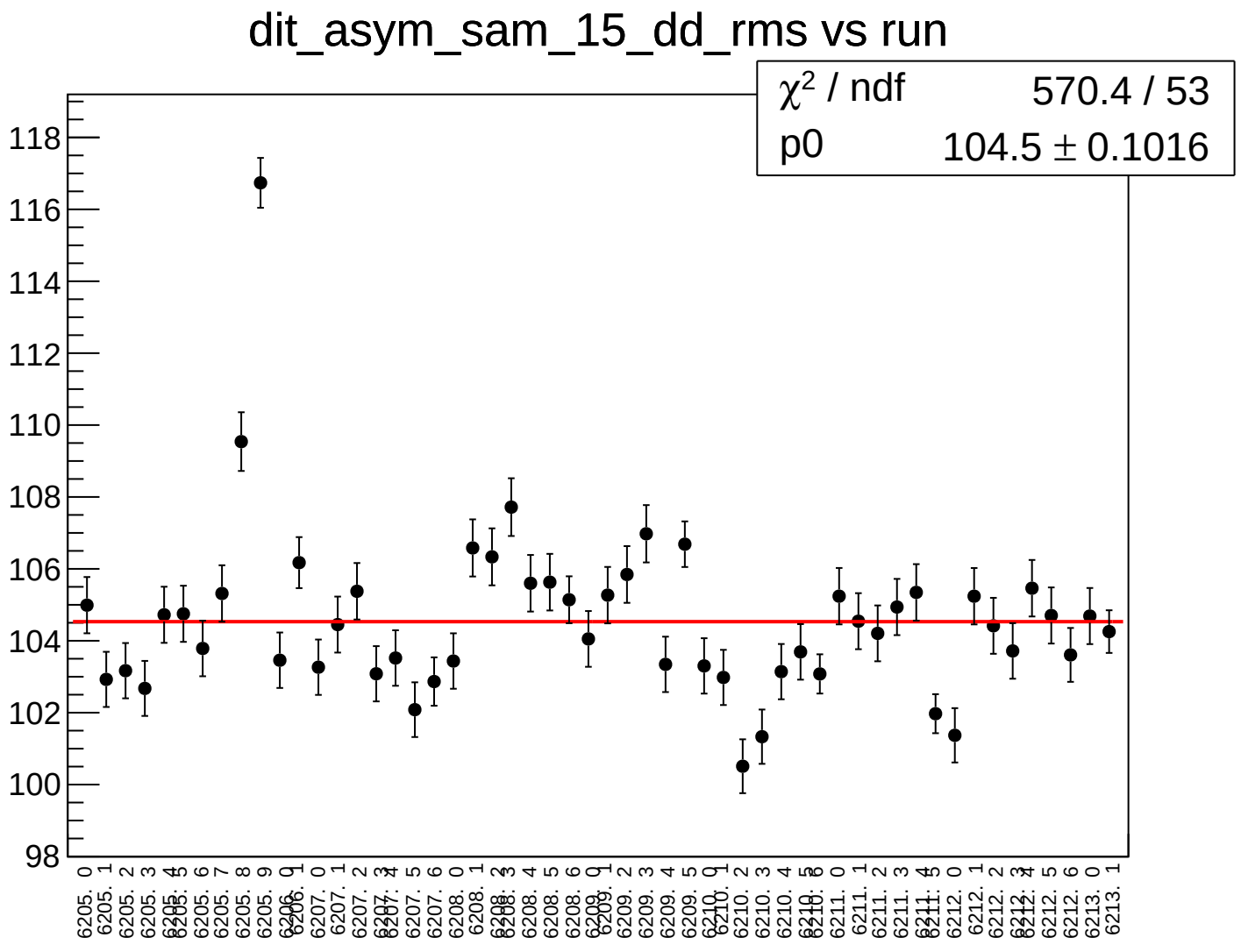
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


dit_asym_sam_15_dd_mean vs run
χ² / ndf 62.57 / 53
p0 −155.2 ± 143.7
pull
Entries 54
Mean 1.455e+04
Std Dev 0


pull1D
Entries 54
Mean −0.0003405
Std Dev 1.076


dit_asym_sam_15_dd_rms vs run
χ^2 / ndf 570.4 / 53
p0 104.5 ± 0.1016
118
116
114
112
110
108
106
104
102
100
98
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
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6212. 2
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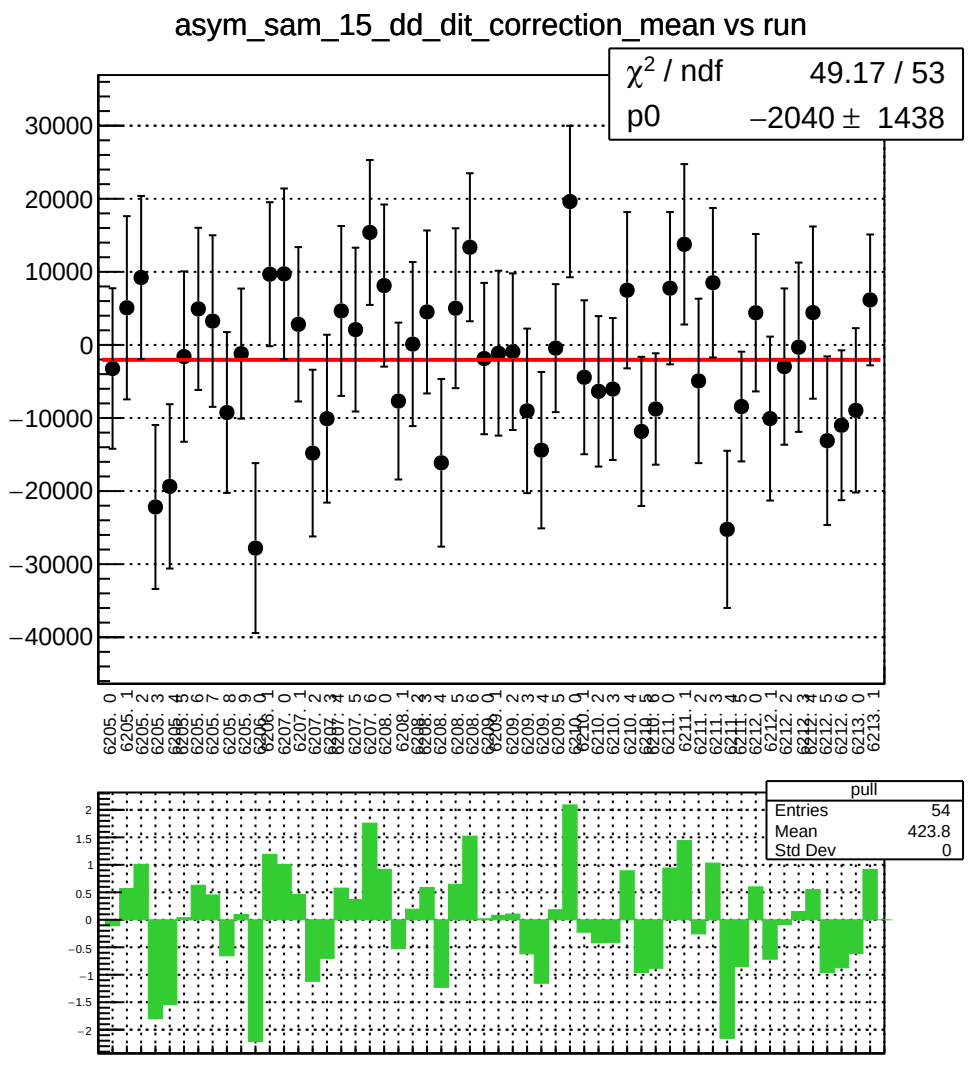
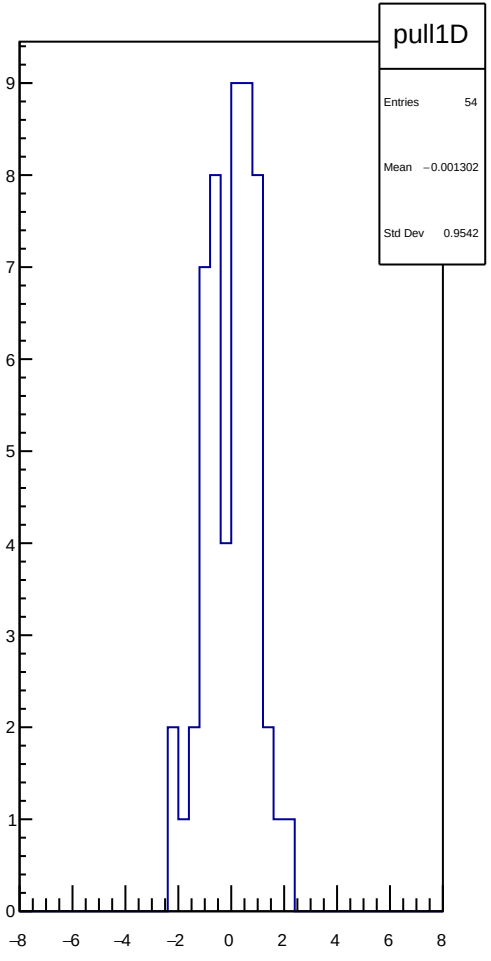
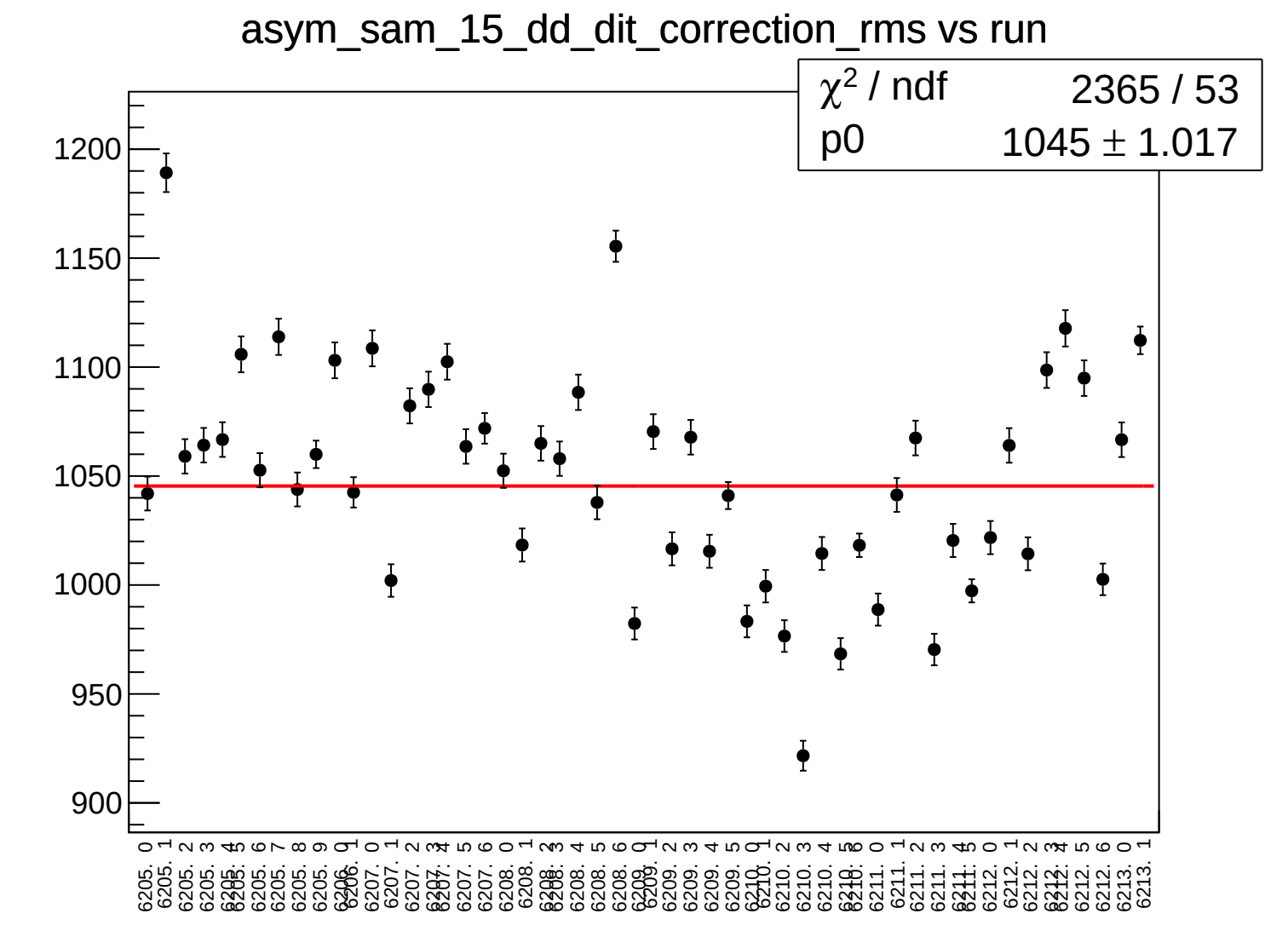
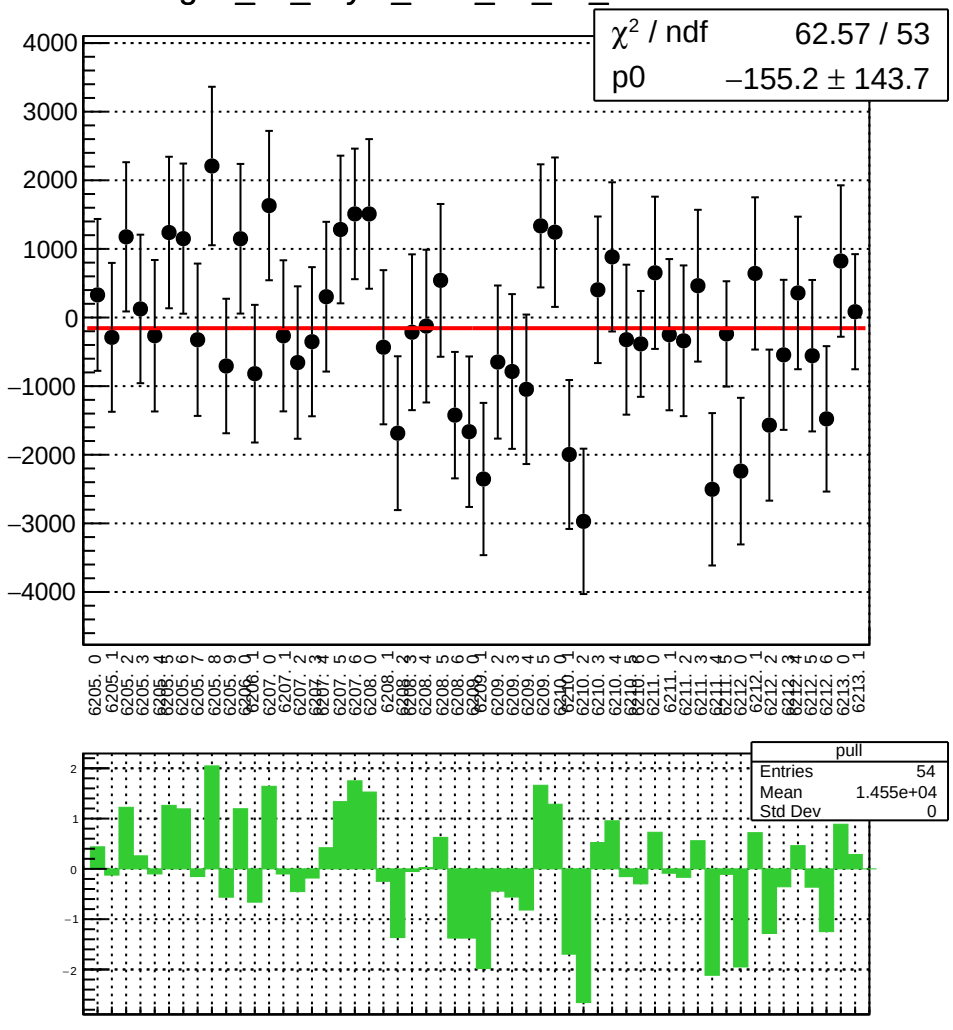
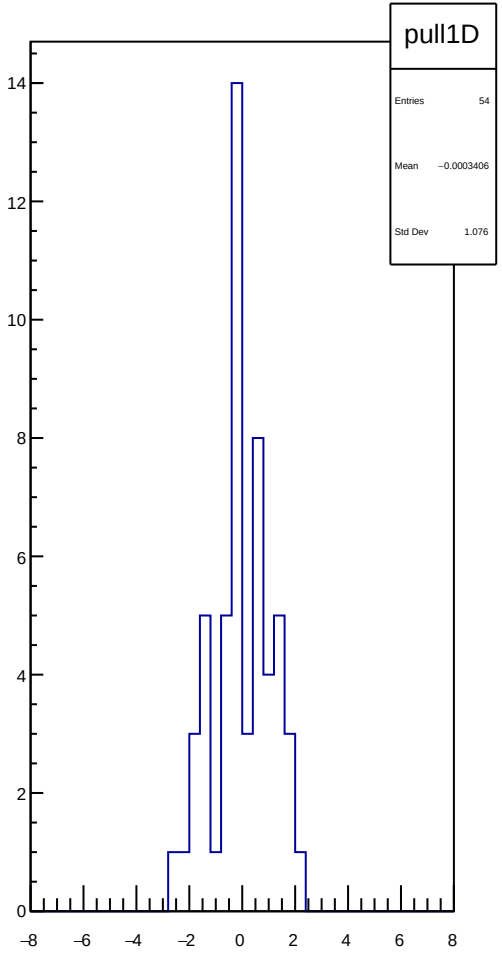
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

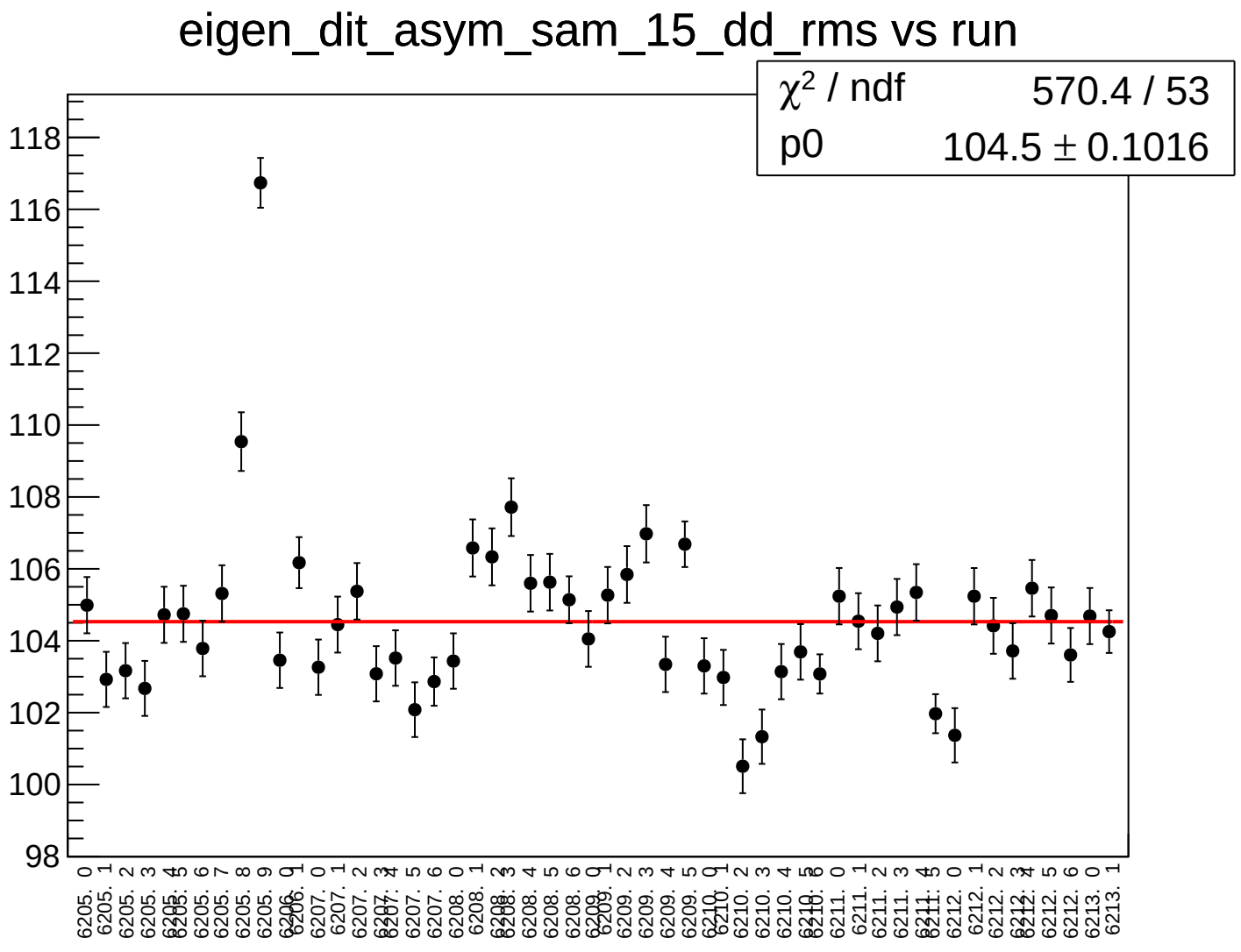

asym_sam_15_dd_dit_correction_mean vs run
χ² / ndf 49.17 / 53
p0 −2040 ± 1438
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 54
Mean 423.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 54
Mean −0.001302
Std Dev 0.9542
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_15_dd_dit_correction_rms vs run
χ² / ndf 2365 / 53
p0 1045 ± 1.017
1200
1150
1100
1050
1000
950
900
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 1
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1


eigen_dit_asym_sam_15_dd_mean vs run
χ² / ndf 62.57 / 53
p0 −155.2 ± 143.7
pull
Entries 54
Mean 1.455e+04
Std Dev 0


pull1D
Entries 54
Mean −0.0003406
Std Dev 1.076


eigen_dit_asym_sam_15_dd_rms vs run
χ² / ndf 570.4 / 53
p0 104.5 ± 0.1016
118
116
114
112
110
108
106
104
102
100
98
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
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6207. 6
6208. 0
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6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
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6209. 2
6209. 3
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6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
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6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
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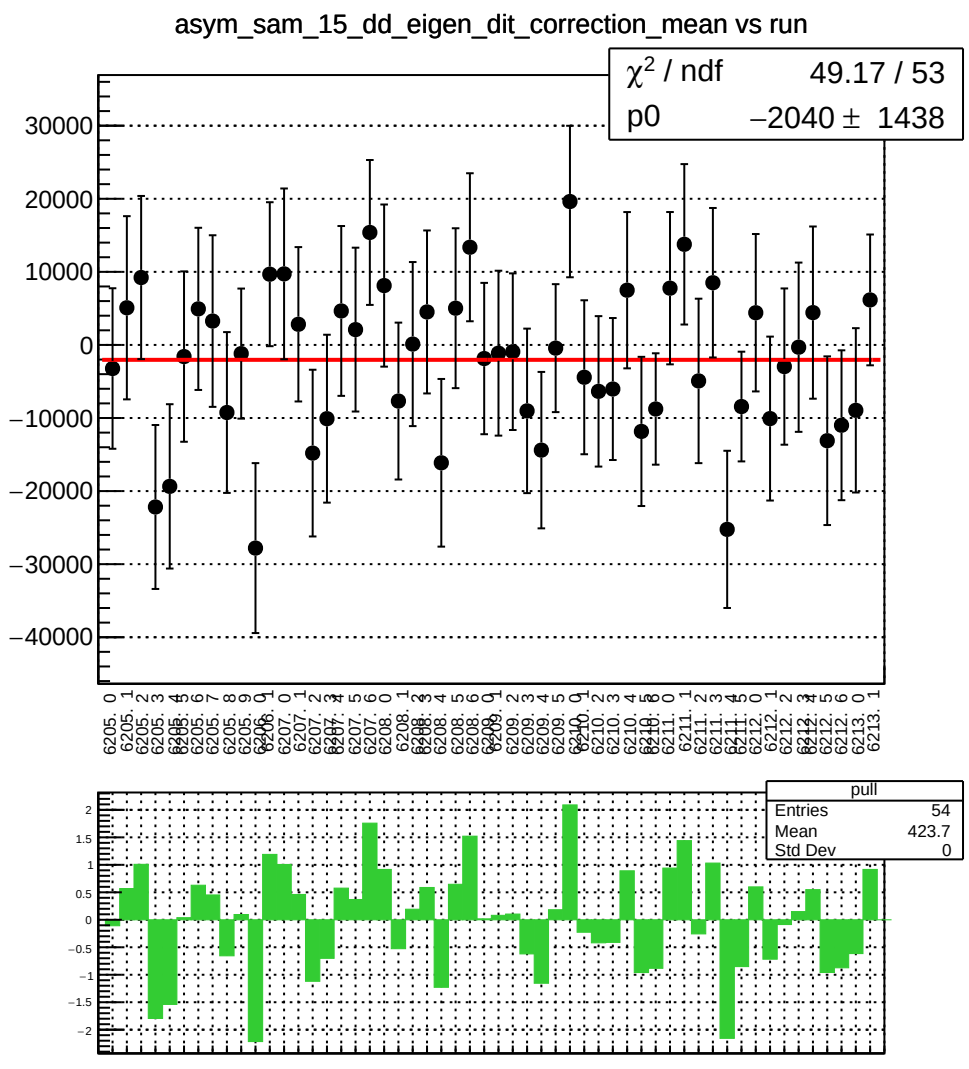
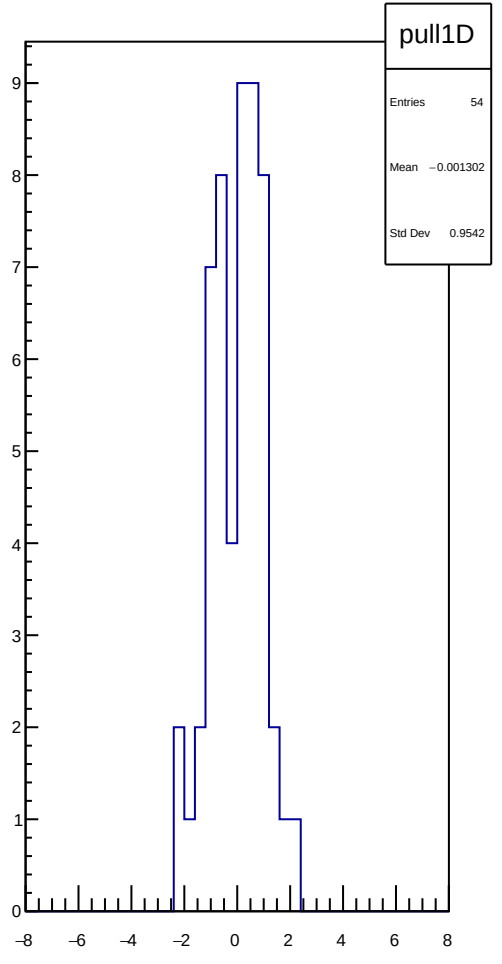
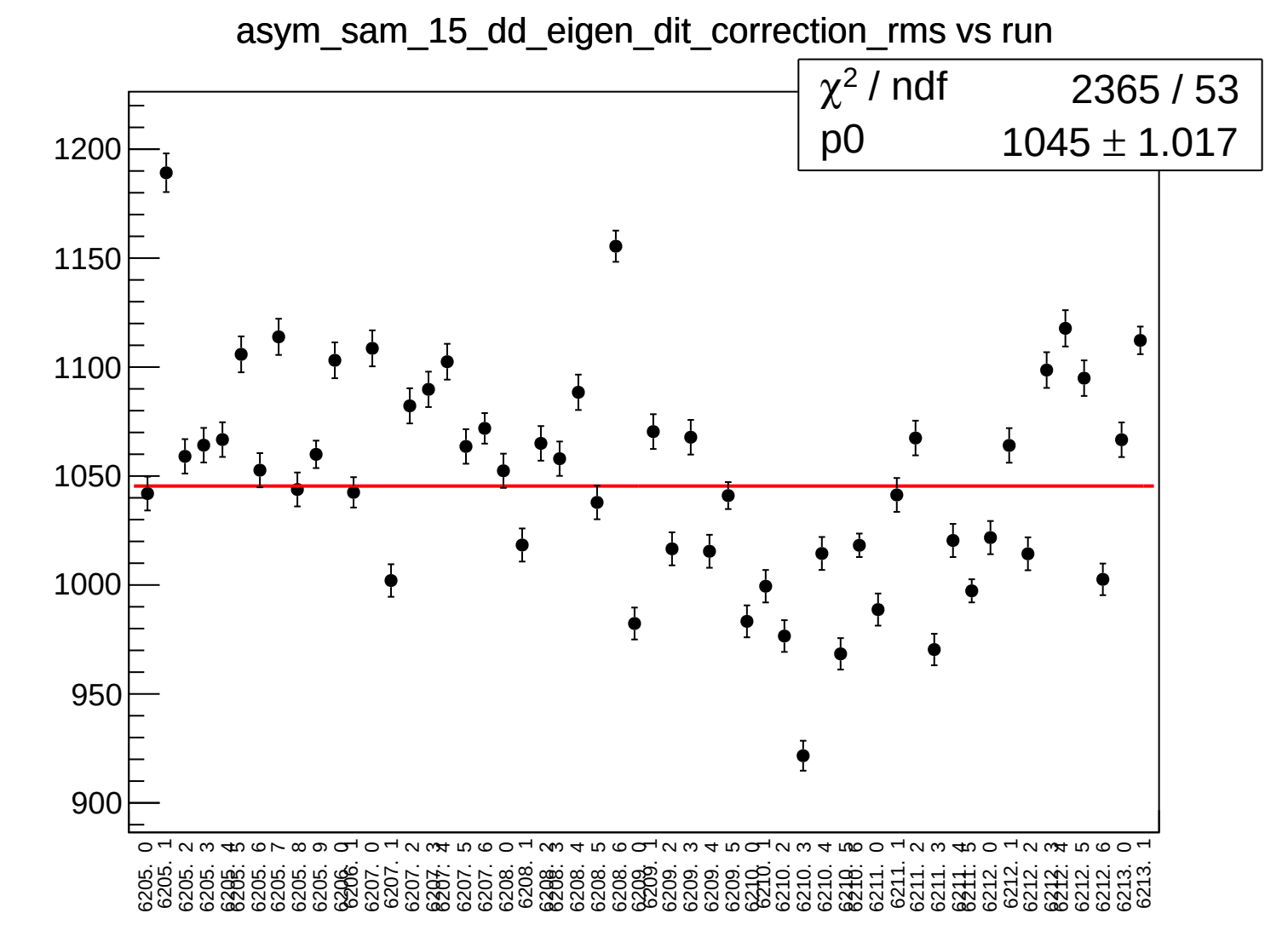
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_sam_15_dd_eigen_dit_correction_mean vs run
χ² / ndf 49.17 / 53
p0 −2040 ± 1438
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 54
Mean 423.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 54
Mean −0.001302
Std Dev 0.9542
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_15_dd_eigen_dit_correction_rms vs run
χ² / ndf 2365 / 53
p0 1045 ± 1.017
1200
1150
1100
1050
1000
950
900
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
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6212. 0
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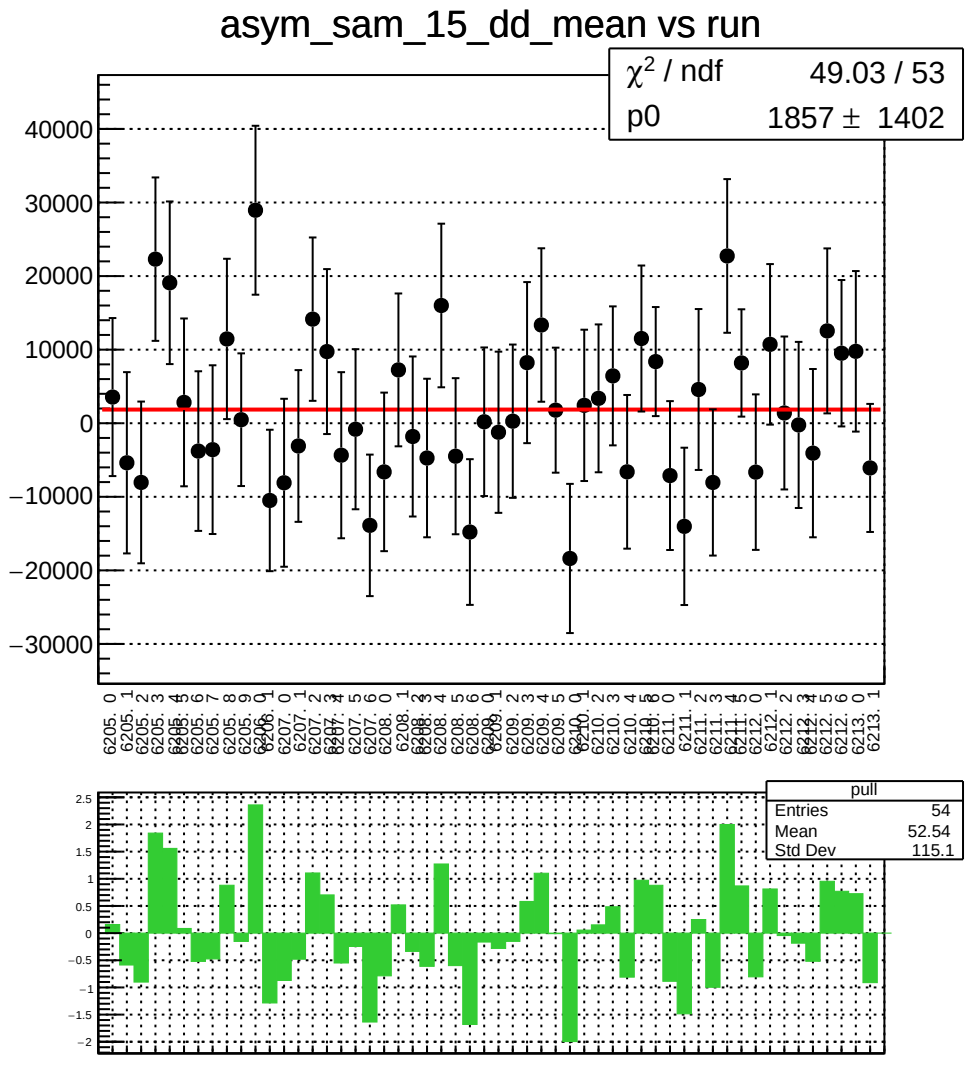
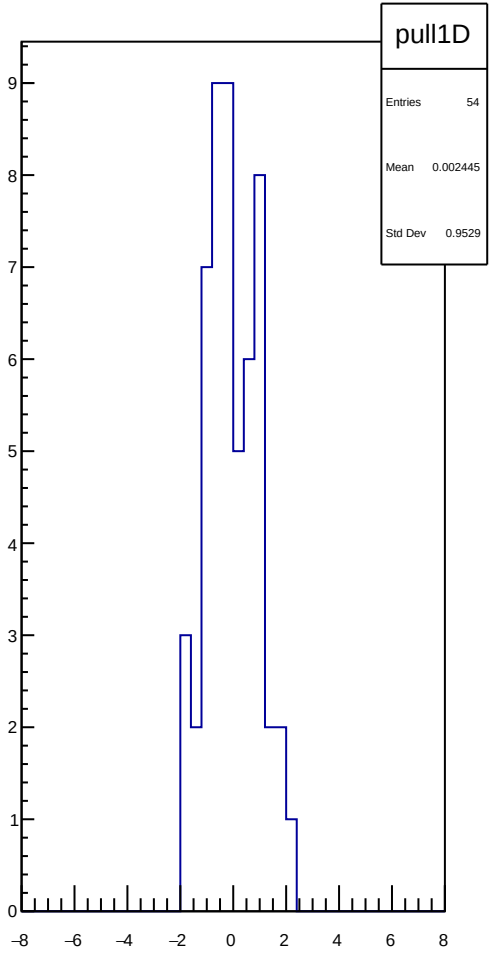
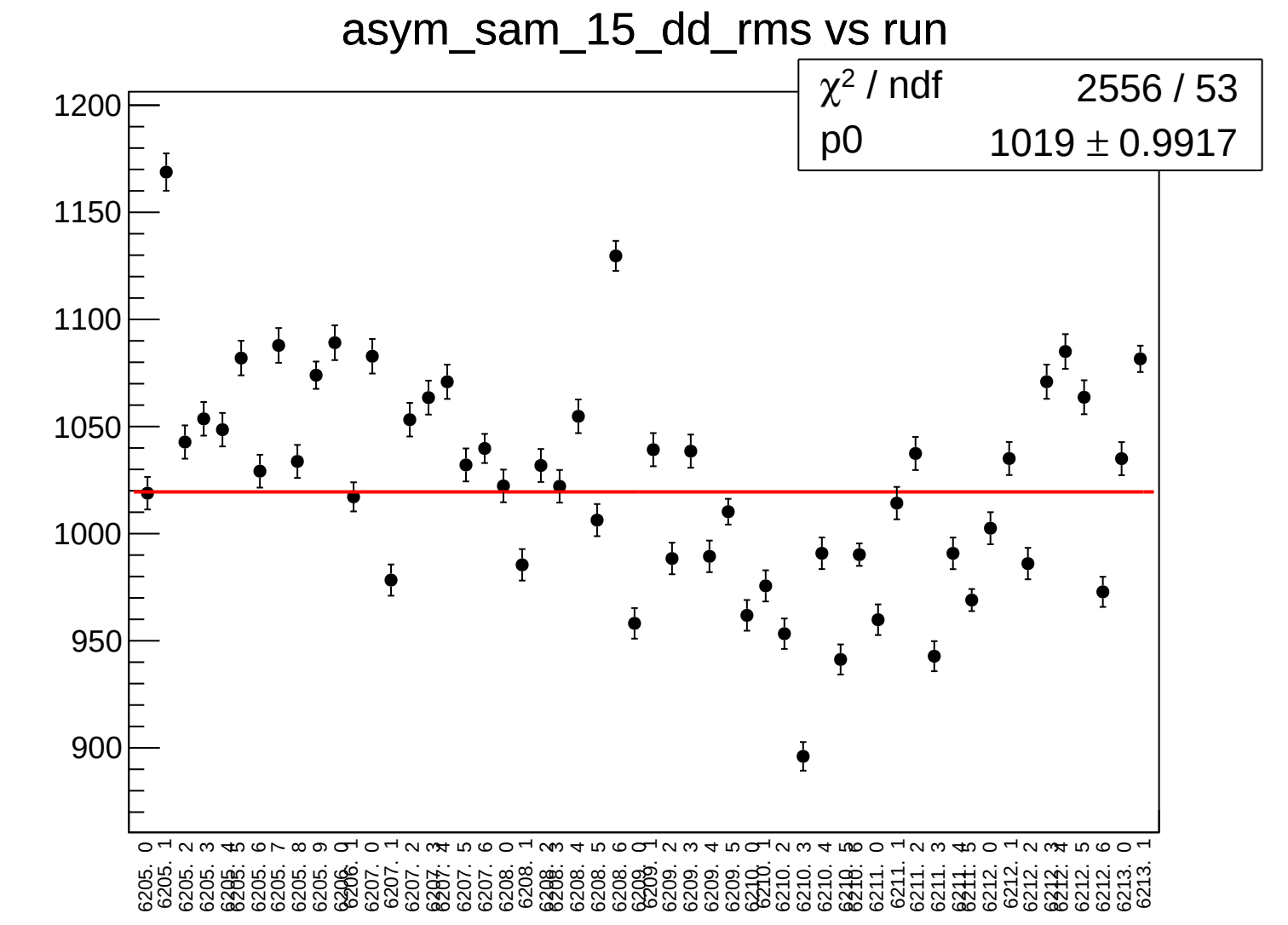
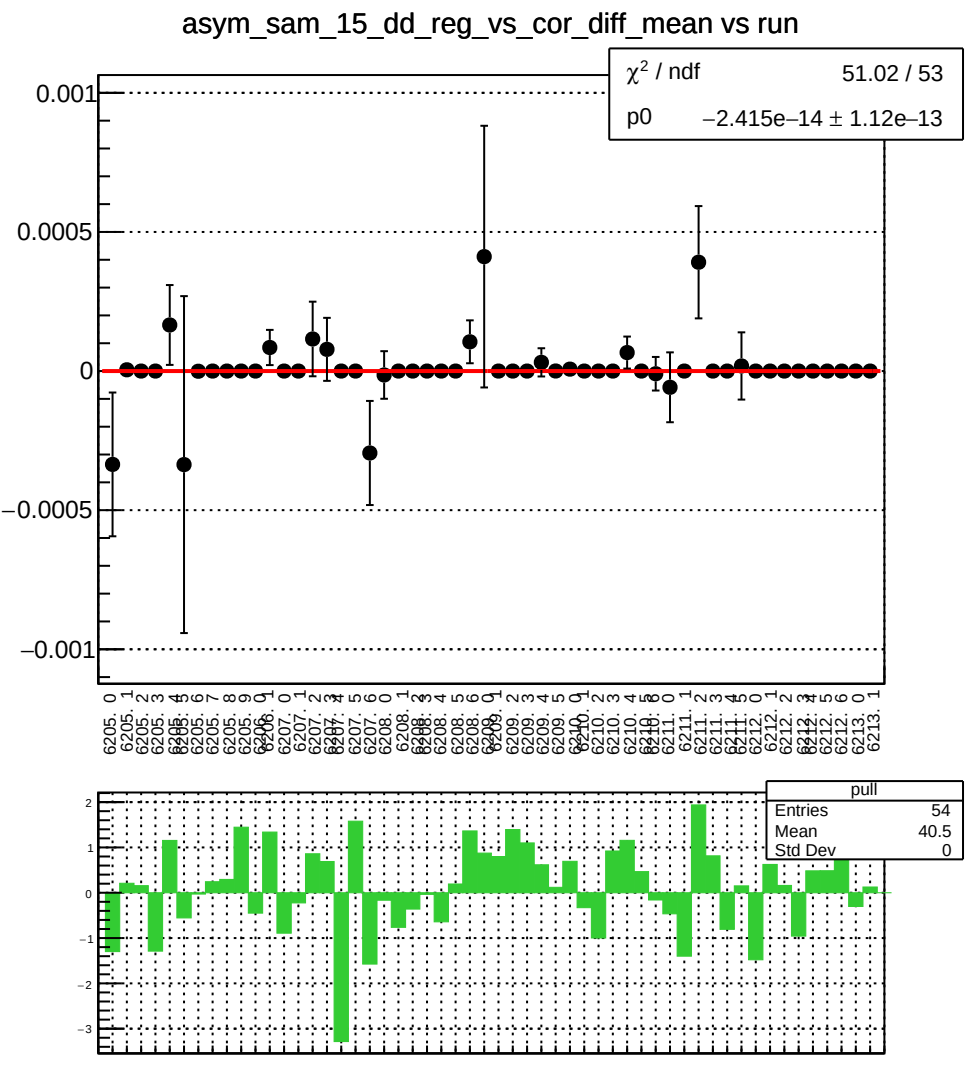
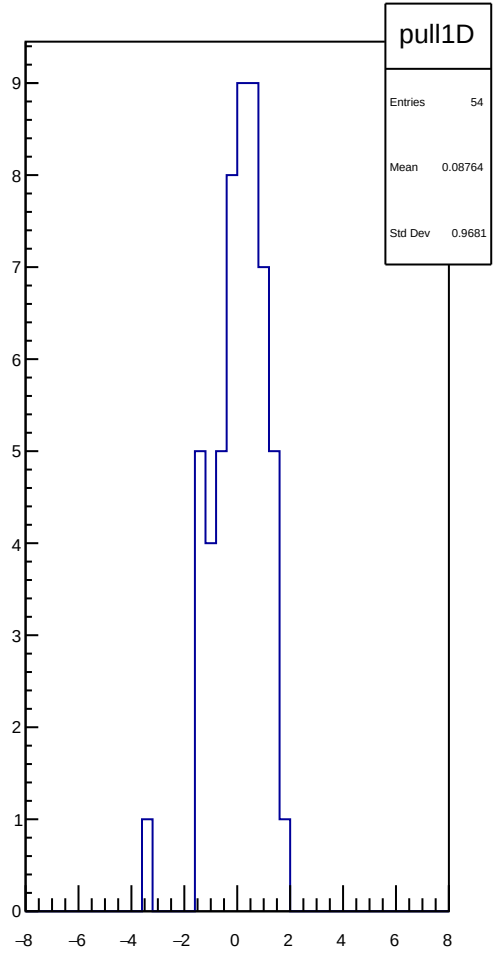
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

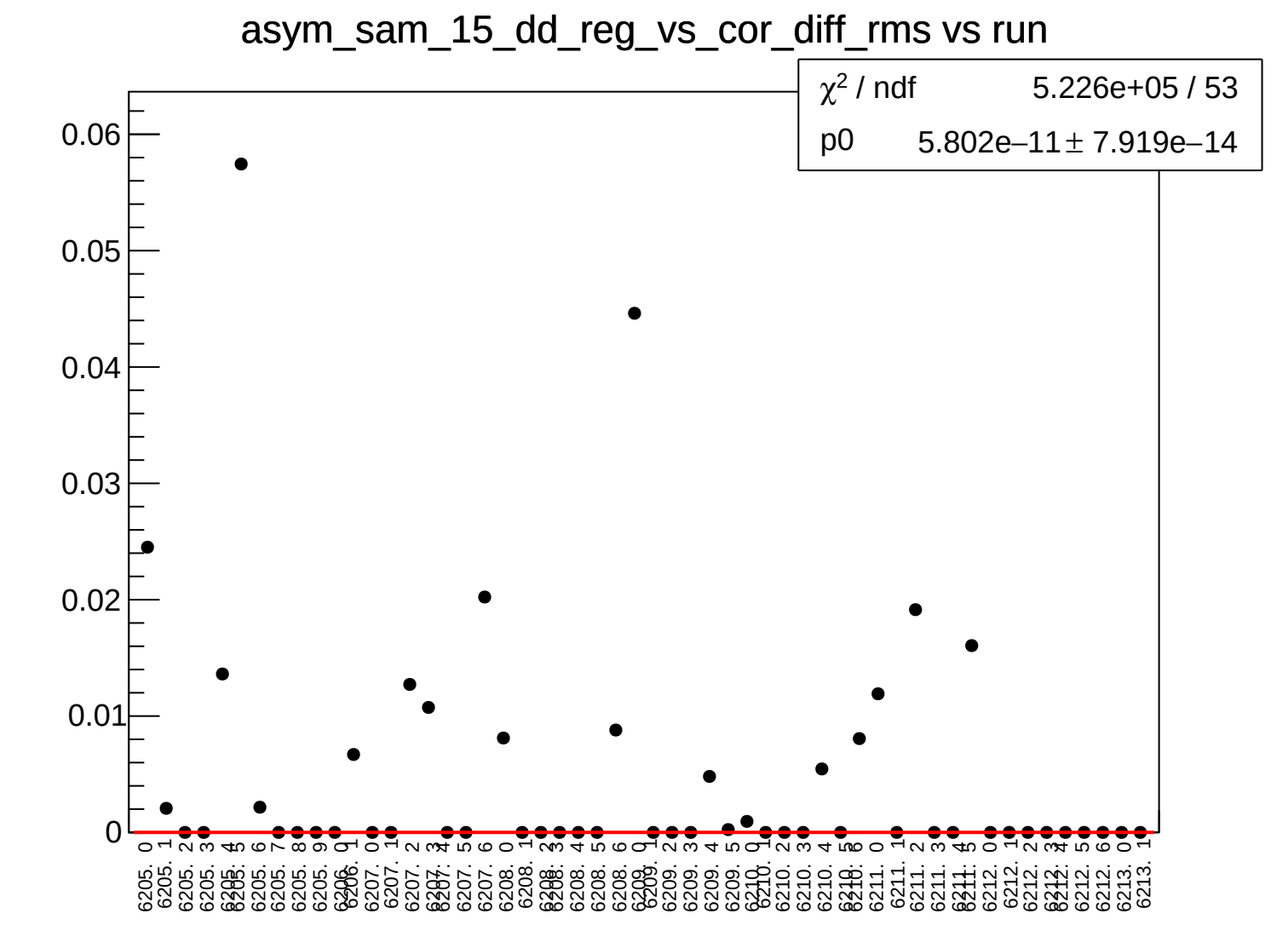

asym_sam_15_dd_mean vs run
χ² / ndf 49.03 / 53
p0 1857 ± 1402
pull
Entries 54
Mean 52.54
Std Dev 115.1

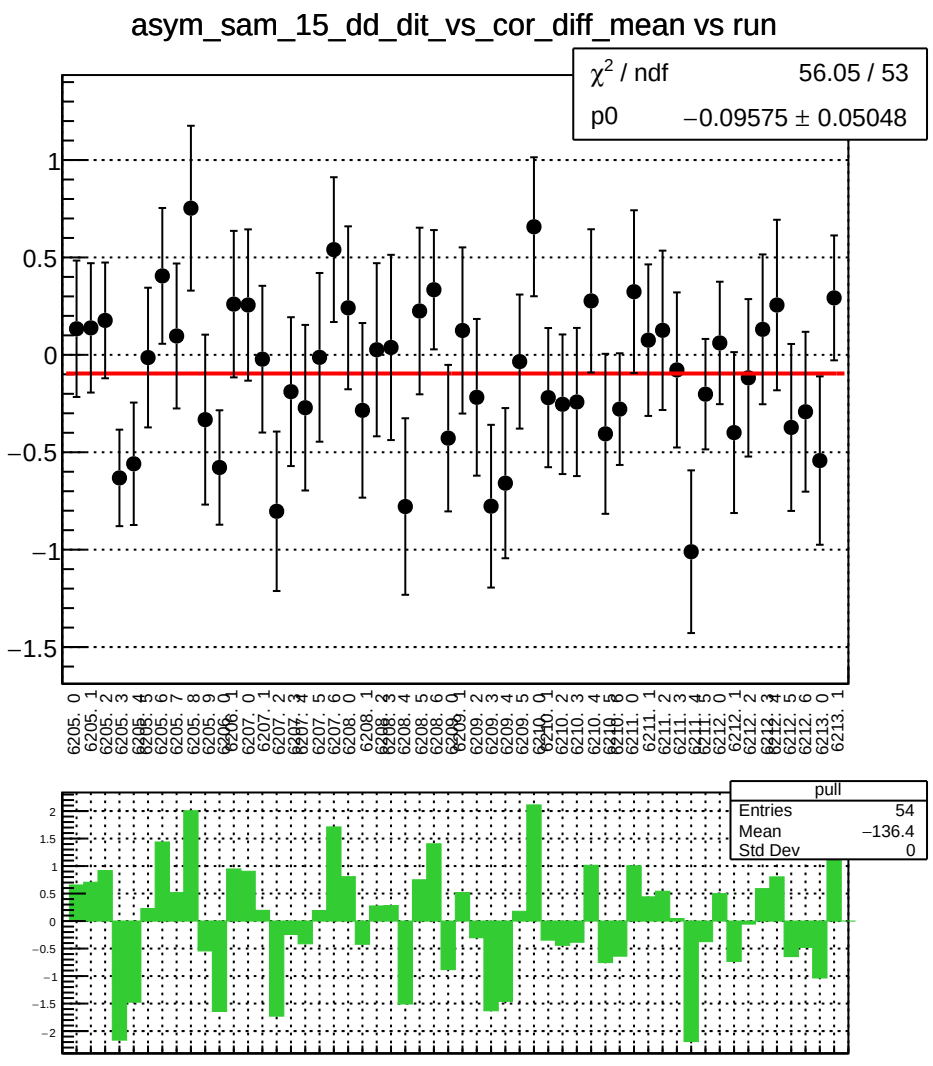

pull1D
Entries 54
Mean 0.002445
Std Dev 0.9529

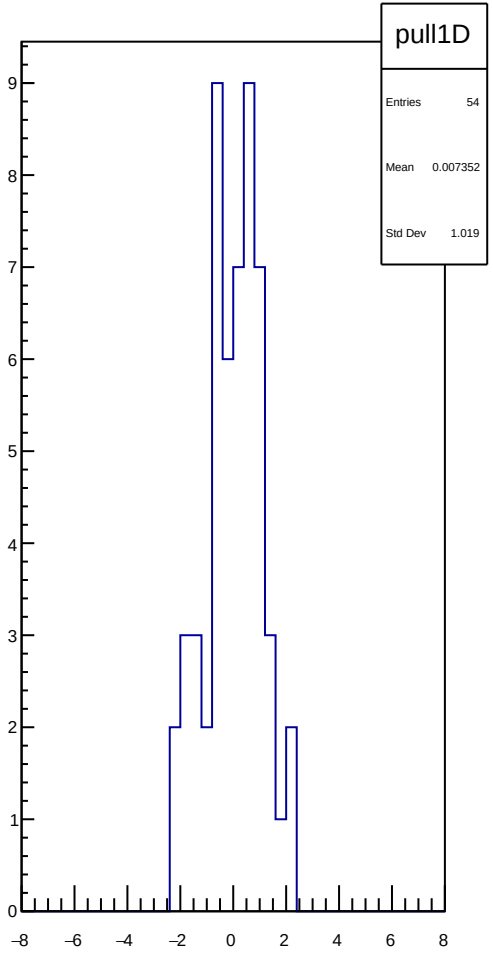

asym_sam_15_dd_rms vs run
χ² / ndf 2556 / 53
p0 1019 ± 0.9917
1200
1150
1100
1050
1000
950
900
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

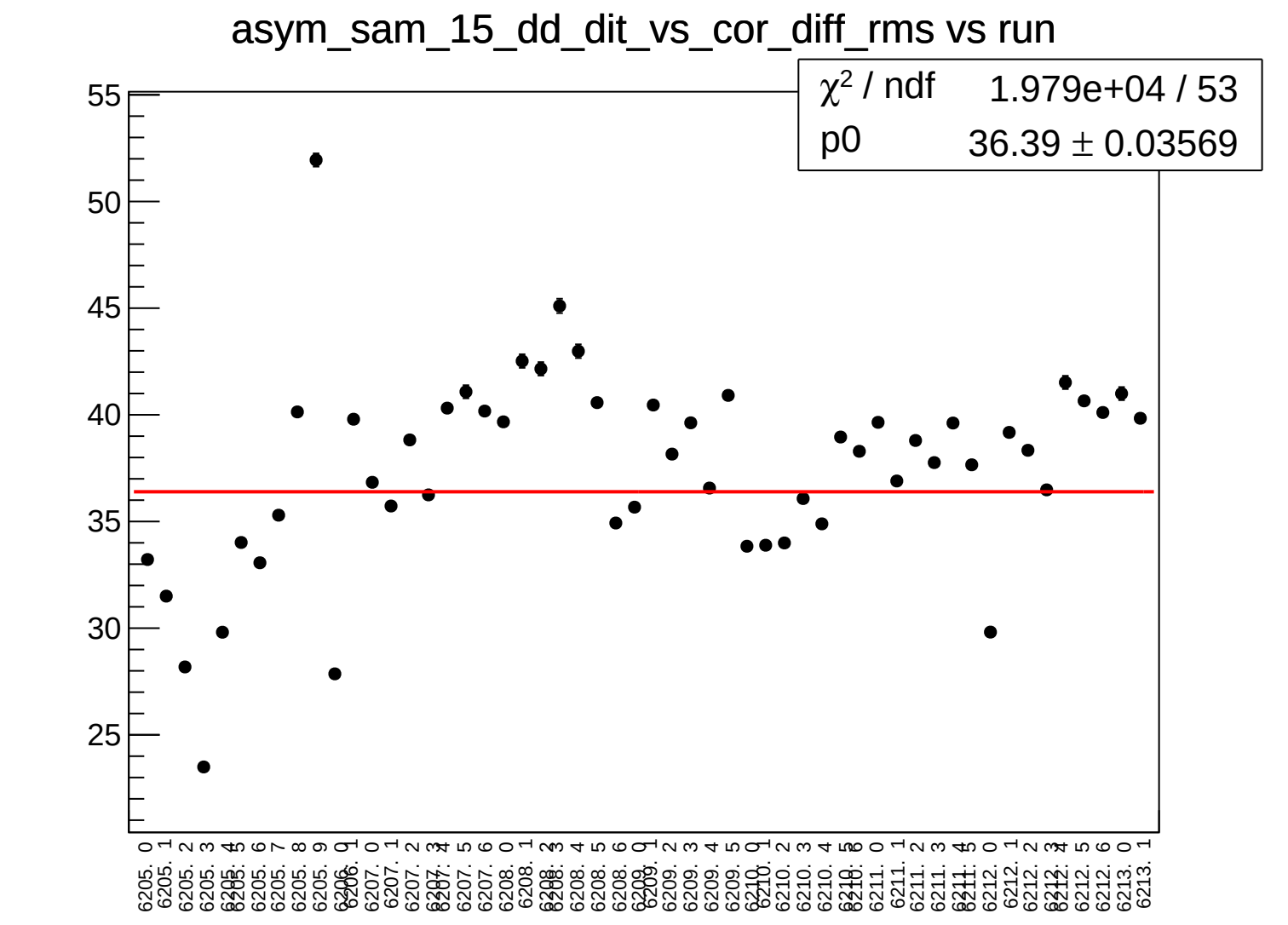

asym_sam_15_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 51.02 / 53
p0 −2.415e−14 ± 1.12e−13
0.001
0.0005
0
−0.0005
−0.001
pull
Entries 54
Mean 40.5
Std Dev 0

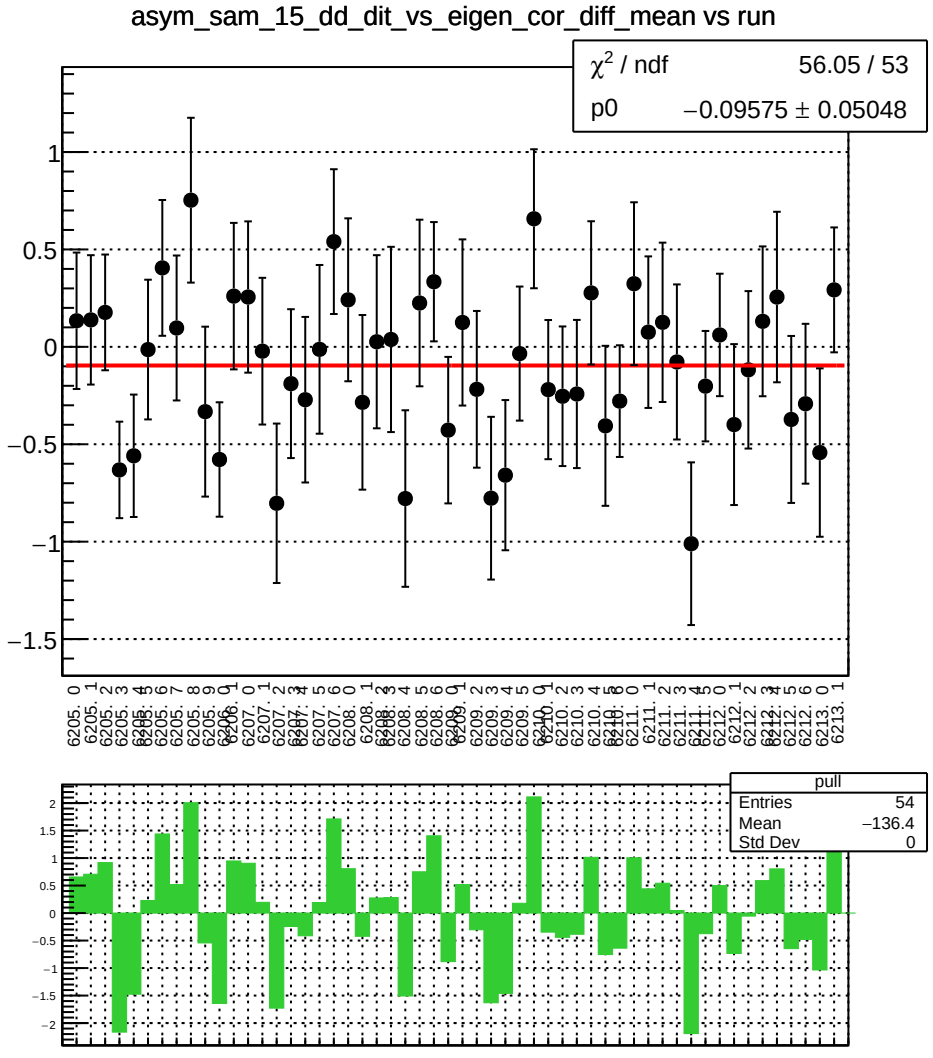

pull1D
Entries 54
Mean 0.08764
Std Dev 0.9681

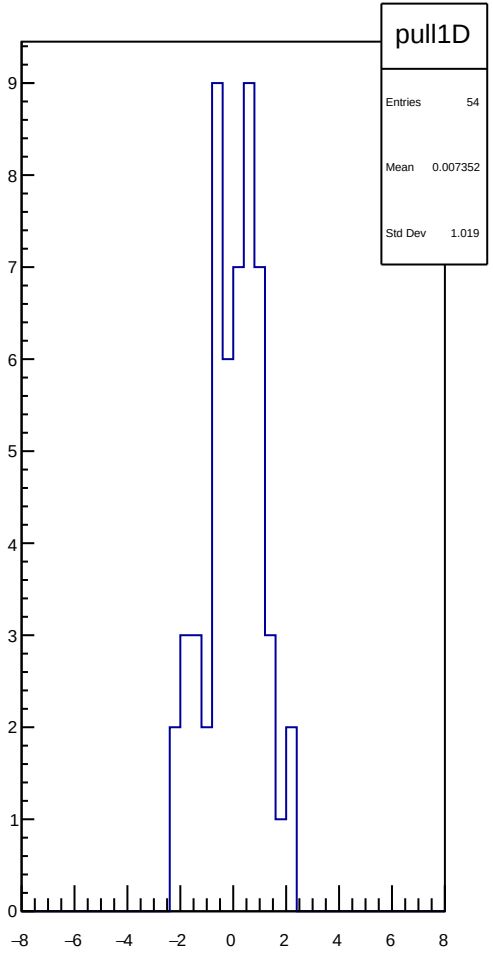

asym_sam_15_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.226e+05 / 53
p0 5.802e−11 ± 7.919e−14
0.06
0.05
0.04
0.03
0.02
0.01
0
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

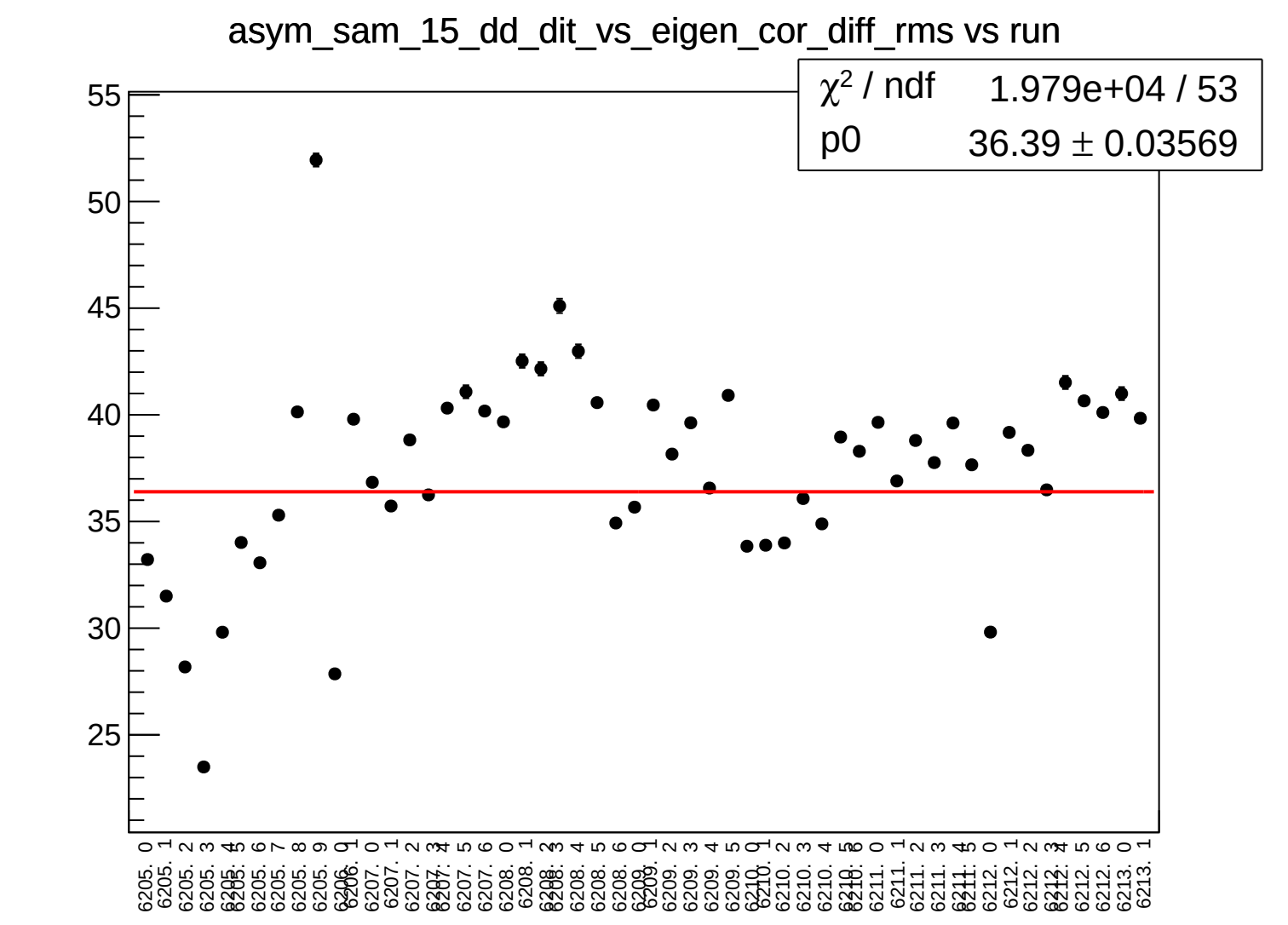

asym_sam_15_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 56.05 / 53
p0 −0.09575 ± 0.05048
pull
Entries 54
Mean −136.4
Std Dev 0

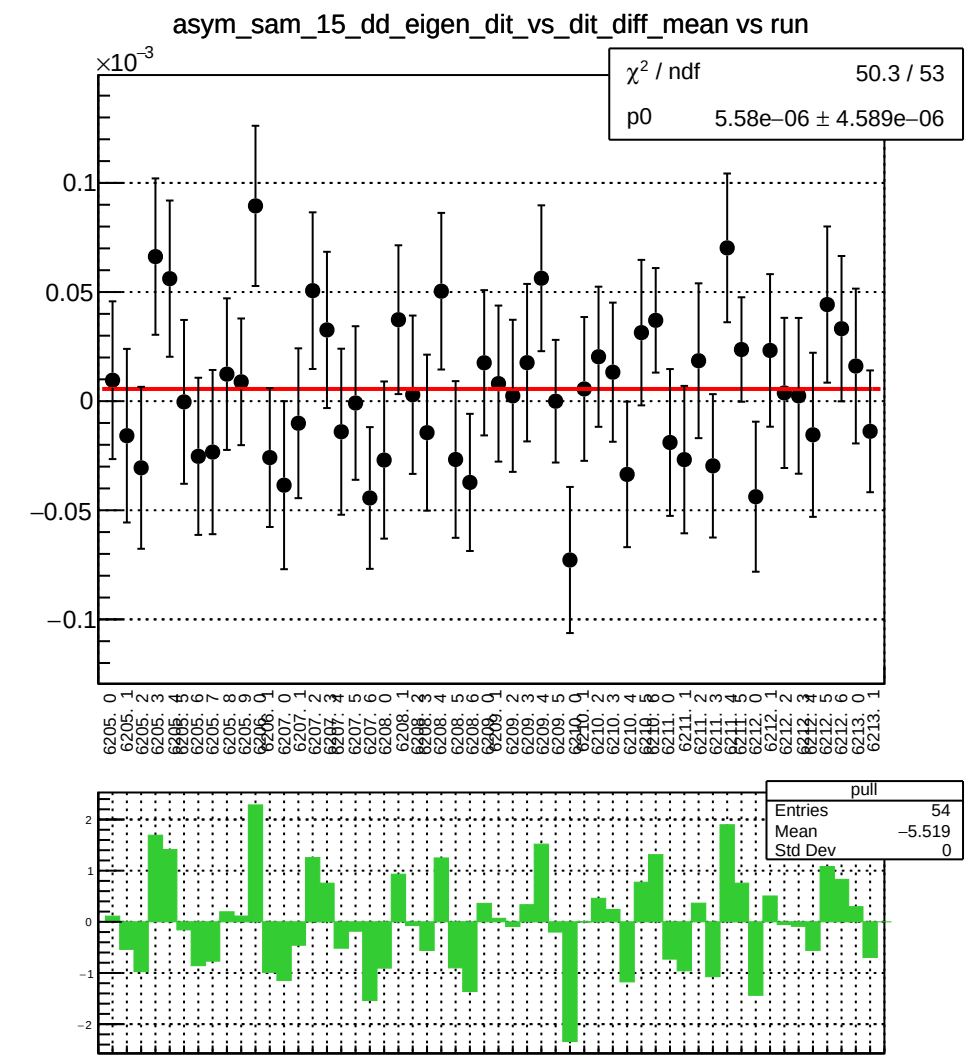

pull1D
Entries 54
Mean 0.007352
Std Dev 1.019

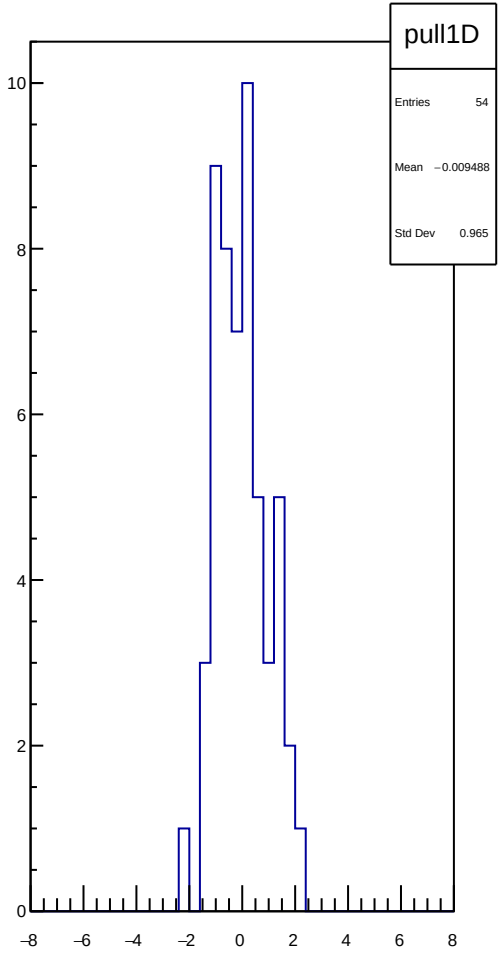

asym_sam_15_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.979e+04 / 53
p0 36.39 ± 0.03569
55
50
45
40
35
30
25
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

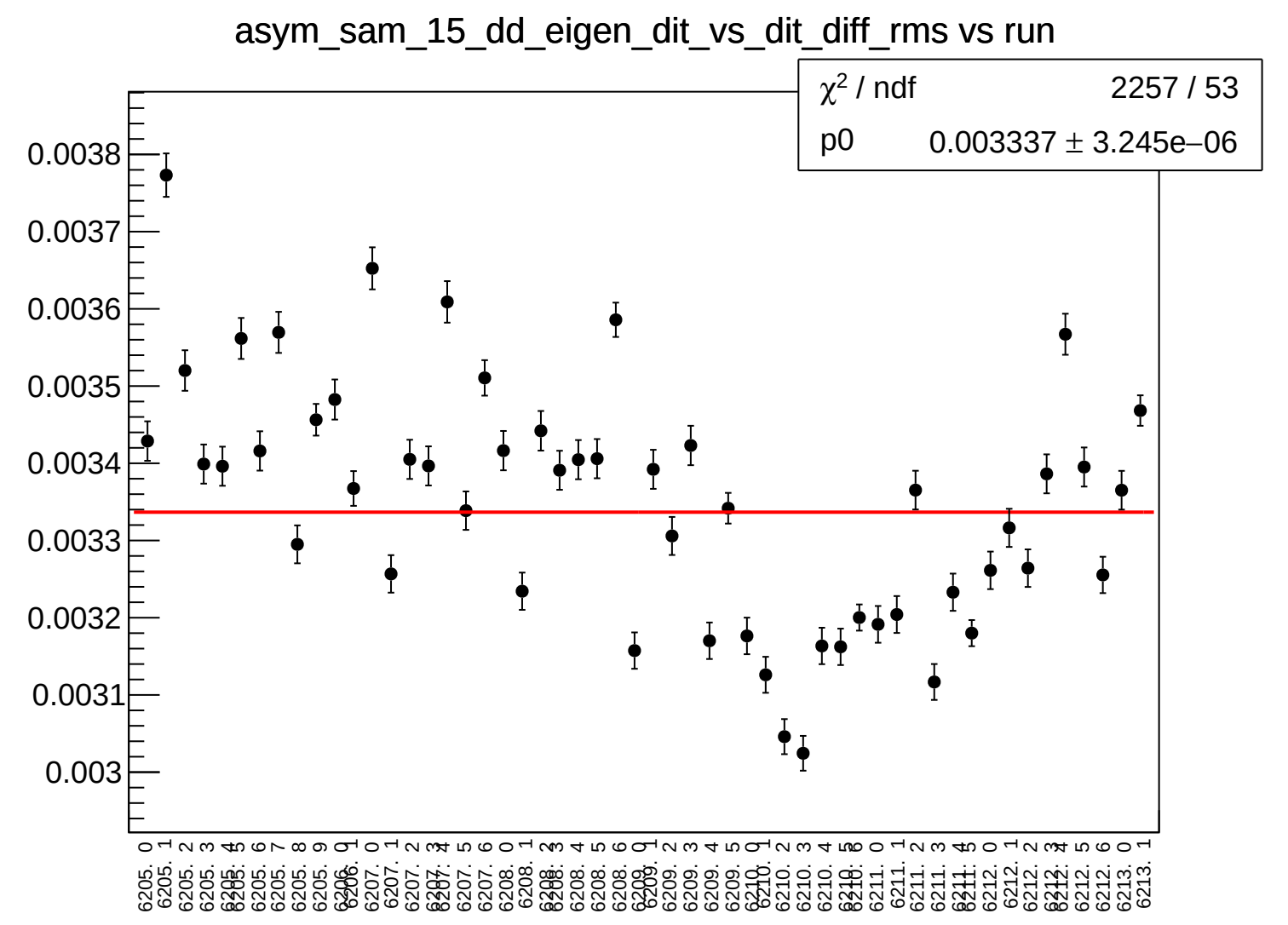

asym_sam_15_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 56.05 / 53
p0 −0.09575 ± 0.05048
pull
Entries 54
Mean −136.4
Std Dev 0

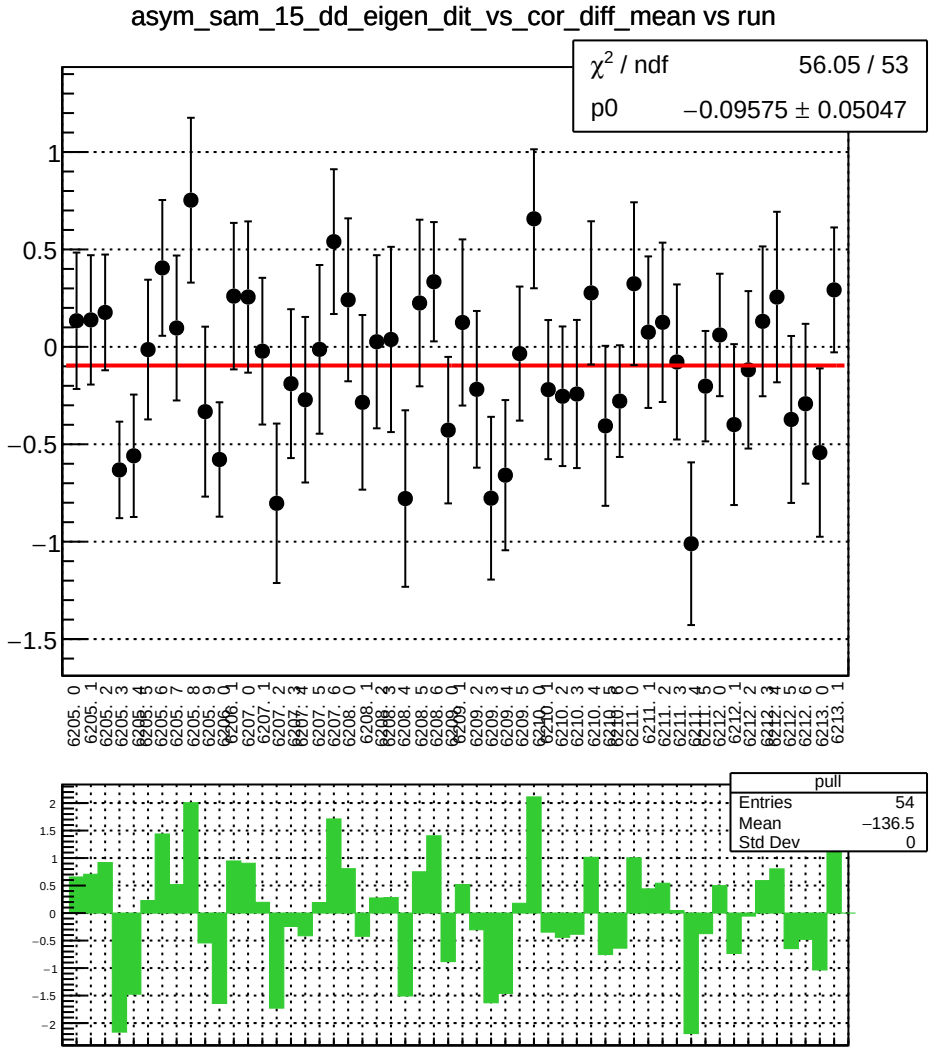

pull1D
Entries 54
Mean 0.007352
Std Dev 1.019

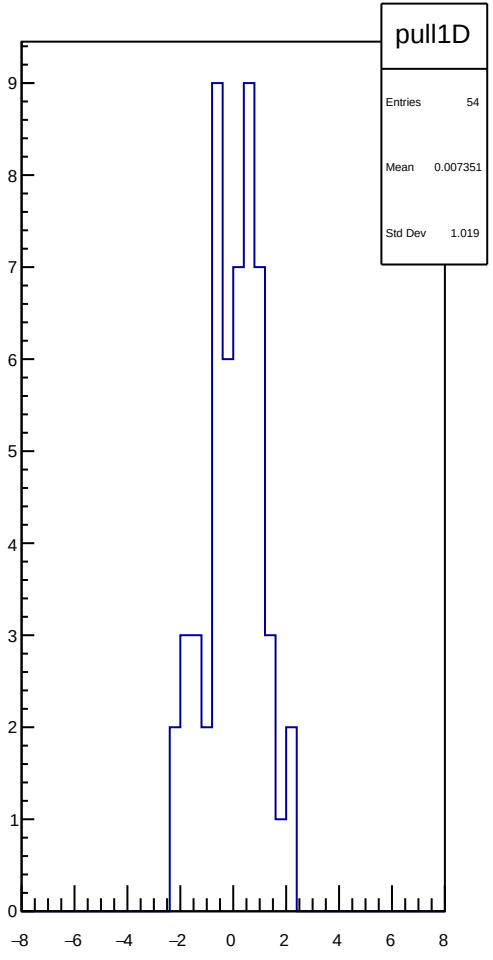

asym_sam_15_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.979e+04 / 53
p0 36.39 ± 0.03569
55
50
45
40
35
30
25
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

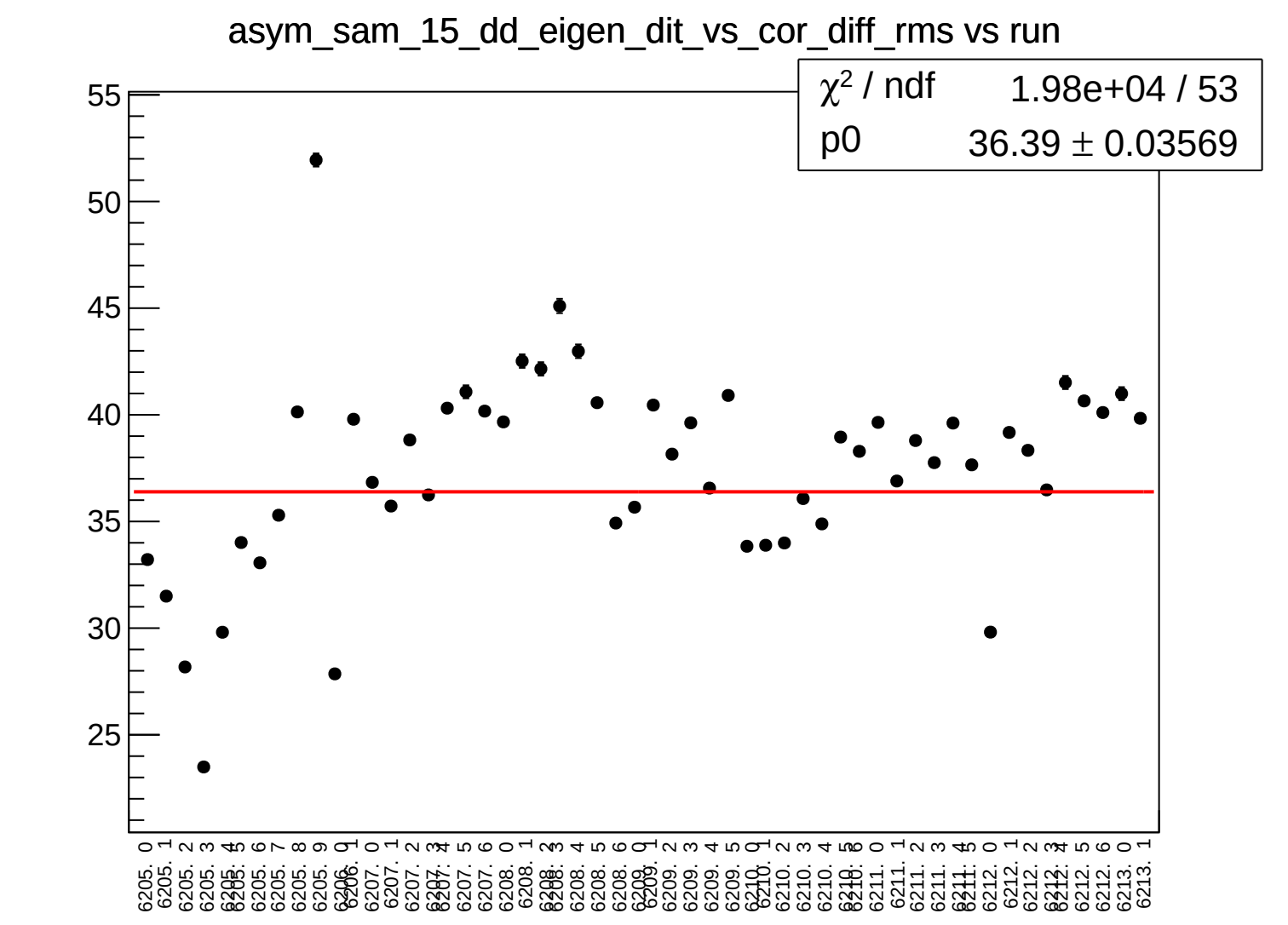

asym_sam_15_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 50.3 / 53
p0 5.58e−06 ± 4.589e−06
0.1
0.05
0
−0.05
−0.1
pull
Entries 54
Mean −5.519
Std Dev 0
2
1
0
−1
−2

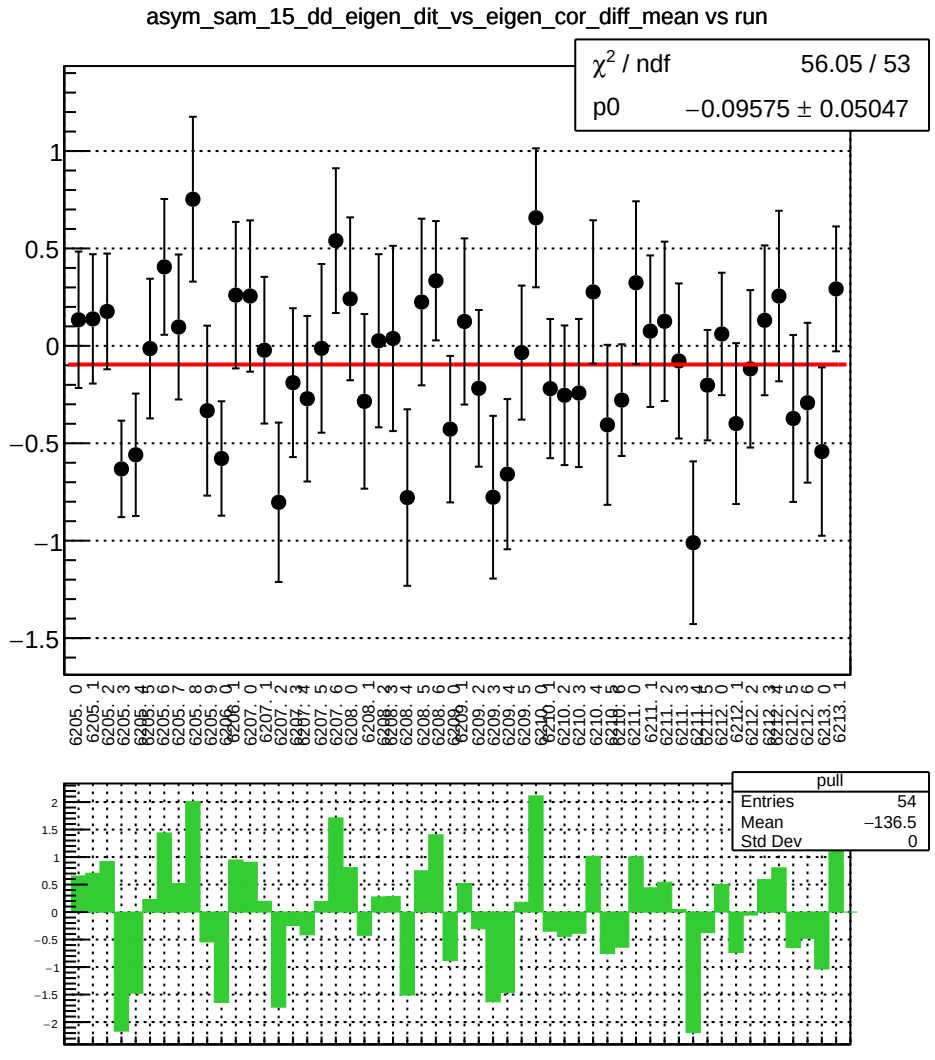

pull1D
Entries 54
Mean −0.009488
Std Dev 0.965
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

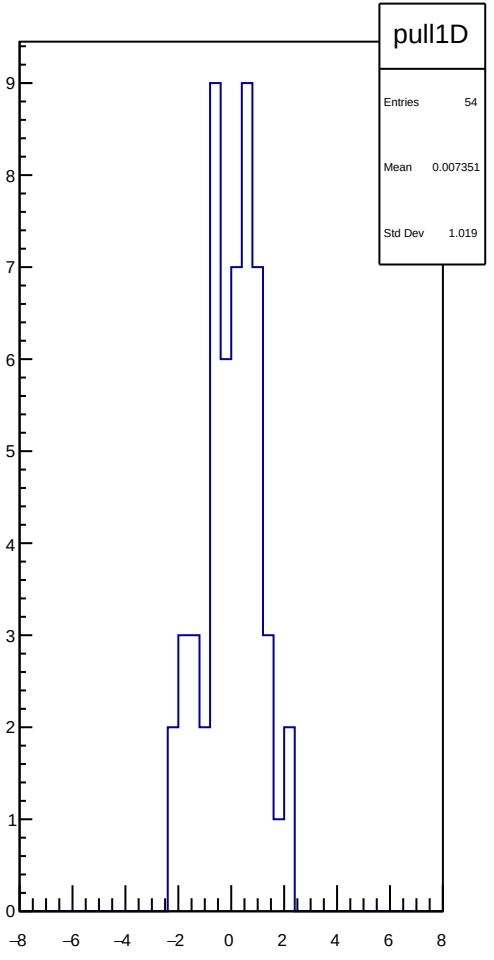

asym_sam_15_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2257 / 53
p0 0.003337 ± 3.245e−06
0.0038
0.0037
0.0036
0.0035
0.0034
0.0033
0.0032
0.0031
0.003
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

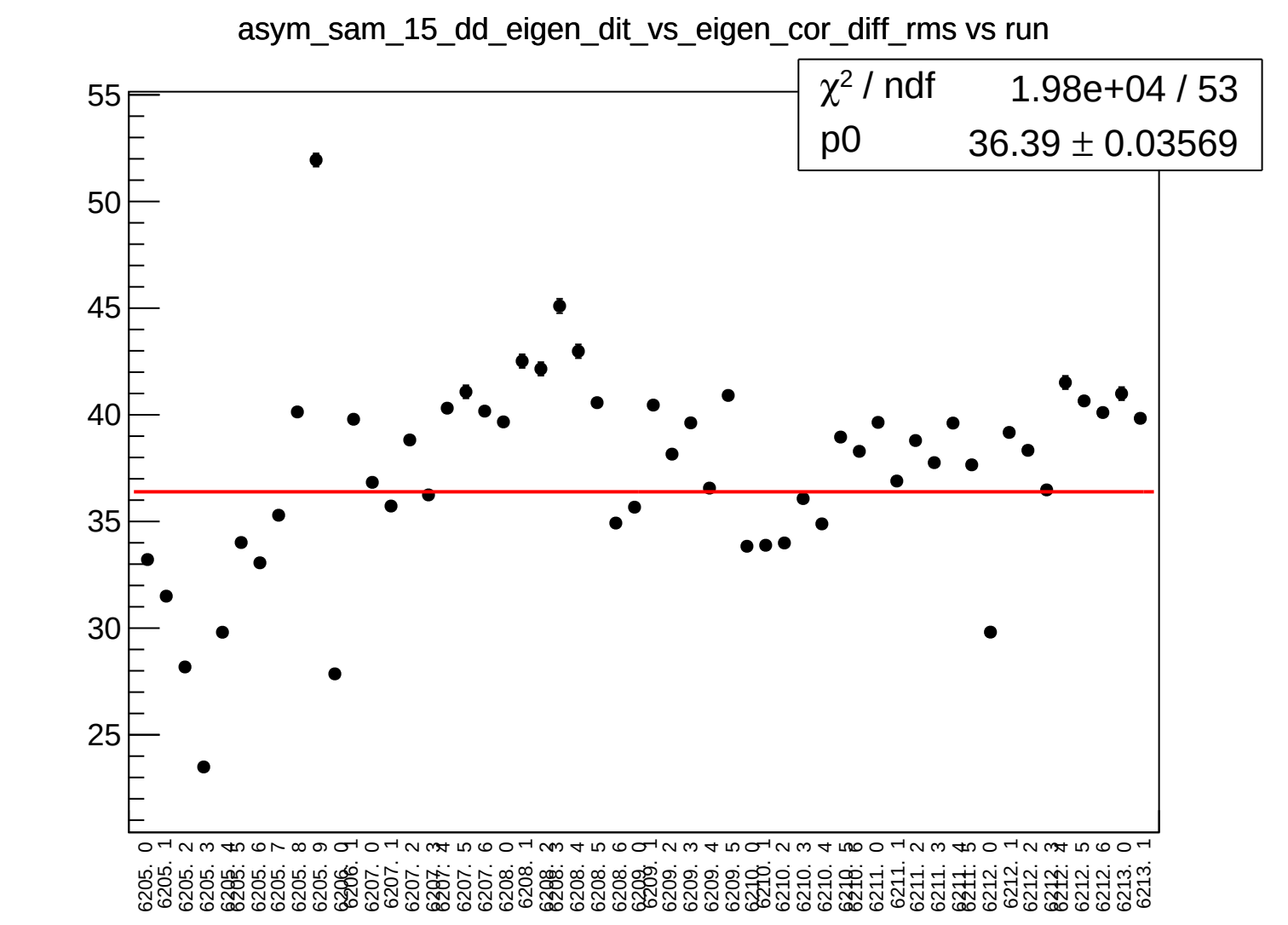

asym_sam_15_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 56.05 / 53
p0 −0.09575 ± 0.05047
pull
Entries 54
Mean −136.5
Std Dev 0

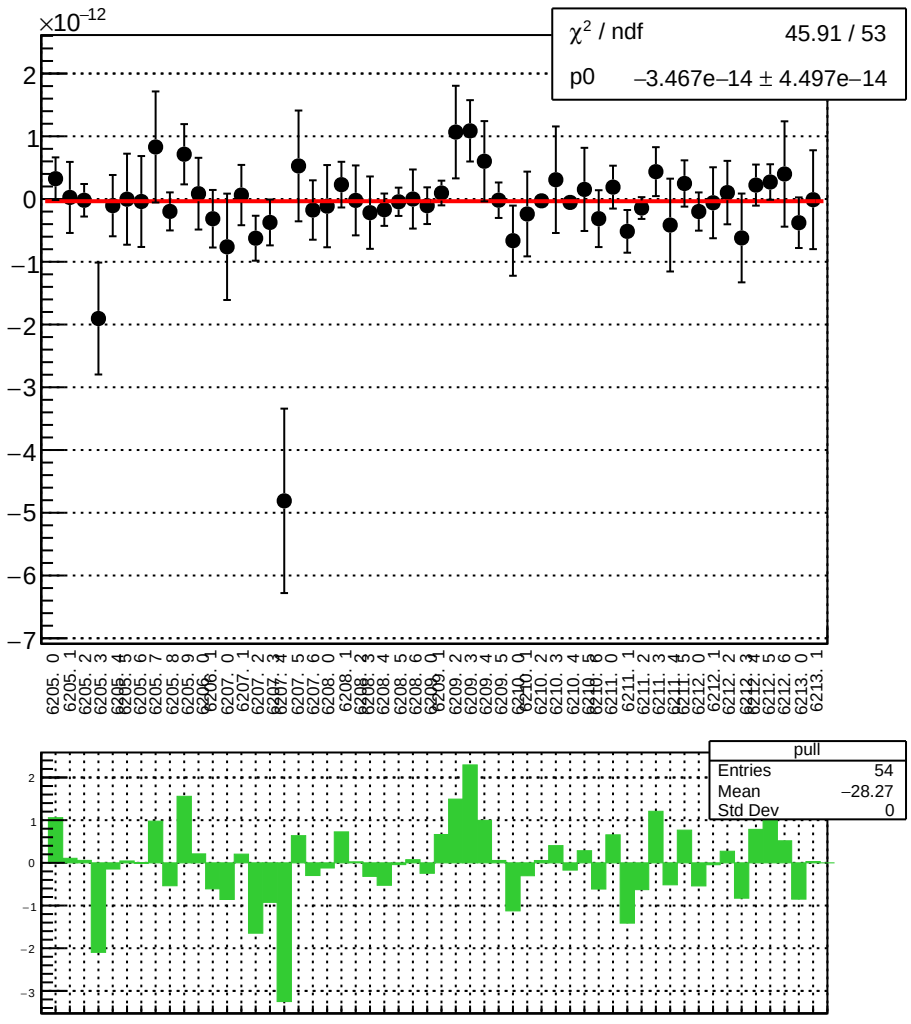

pull1D
Entries 54
Mean 0.007351
Std Dev 1.019

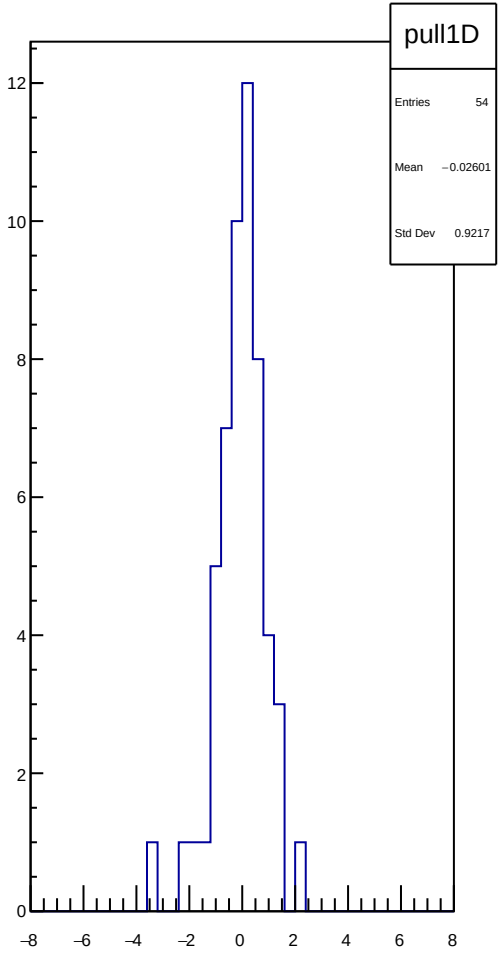

asym_sam_15_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.98e+04 / 53
p0 36.39 ± 0.03569
55
50
45
40
35
30
25
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

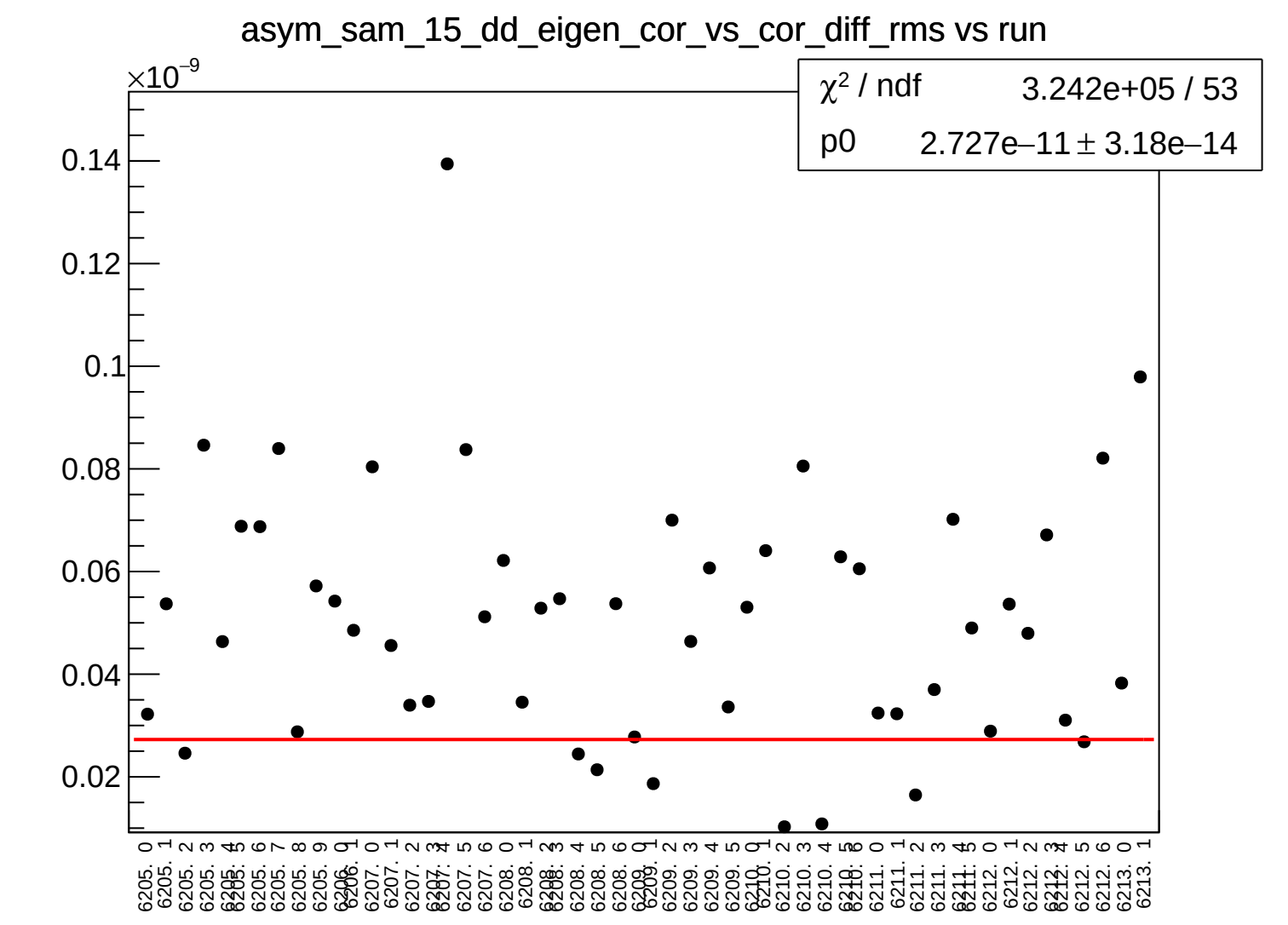

asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 56.05 / 53
p0 −0.09575 ± 0.05047
pull
Entries 54
Mean −136.5
Std Dev 0

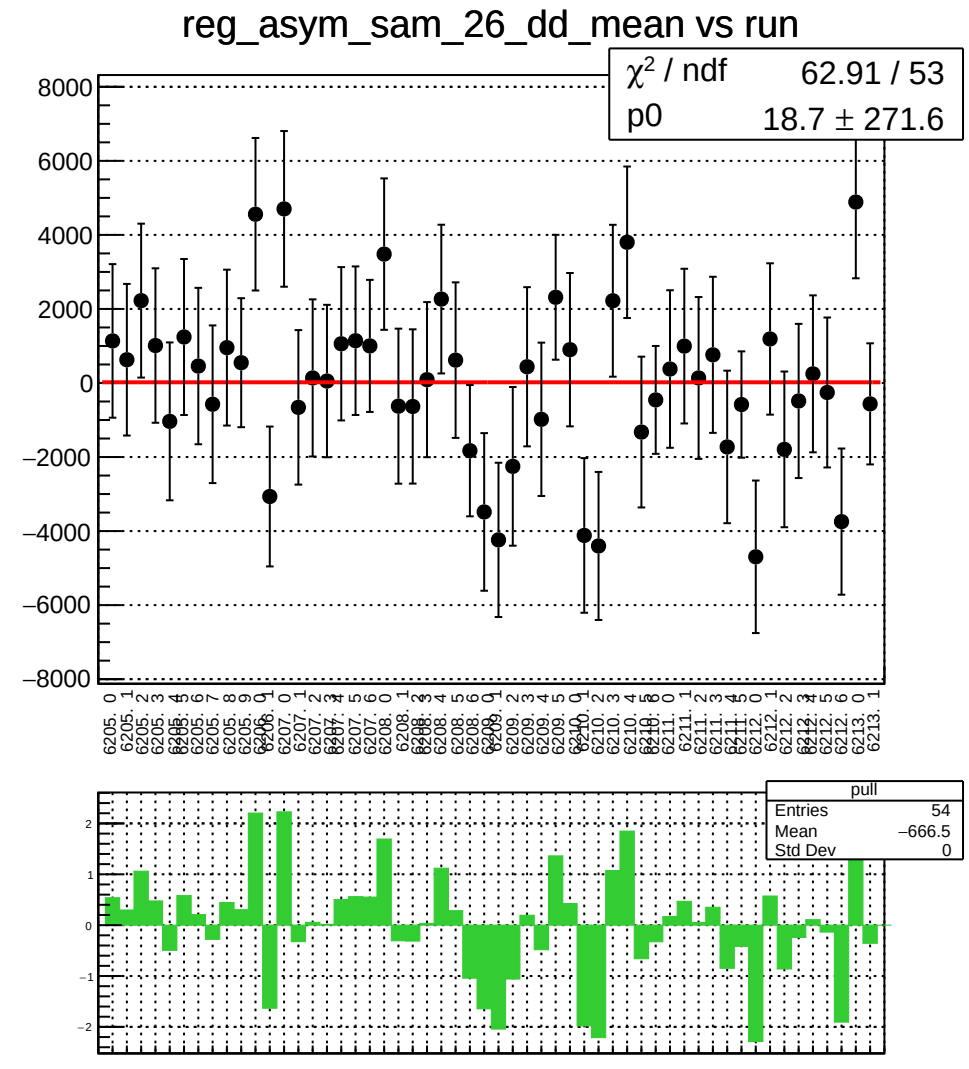

pull1D
Entries 54
Mean 0.007351
Std Dev 1.019

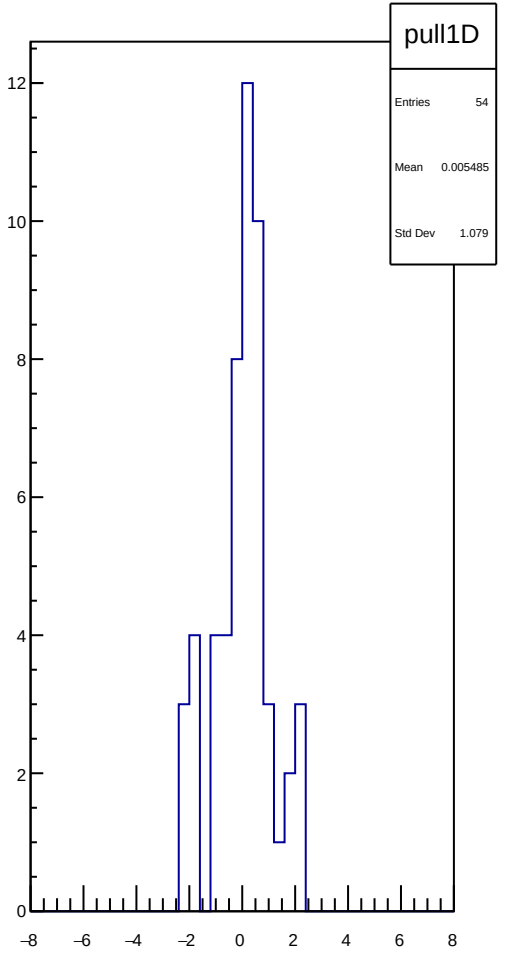

asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.98e+04 / 53
p0 36.39 ± 0.03569
55
50
45
40
35
30
25
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

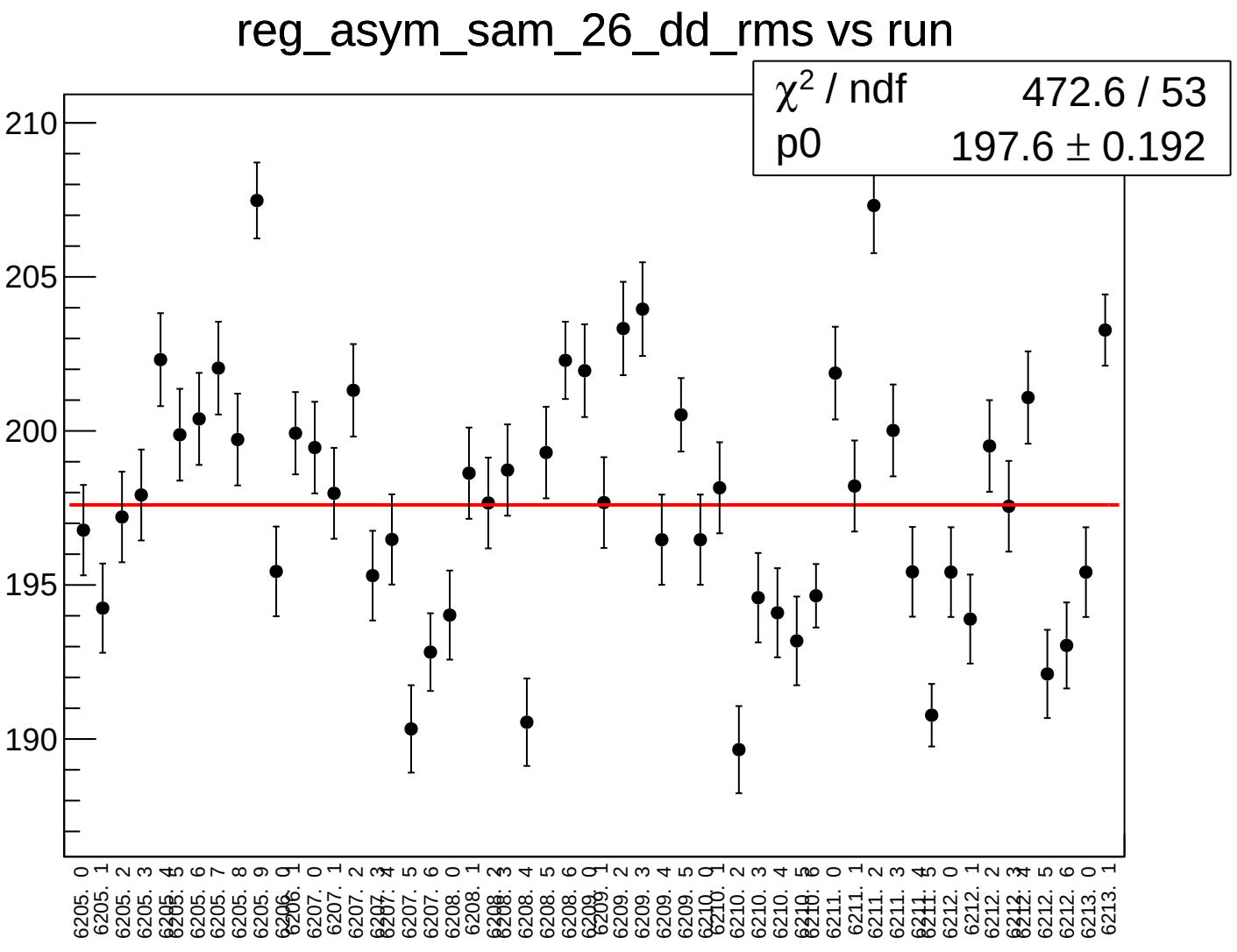

asym_sam_15_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 45.91 / 53
p0 −3.467e−14 ± 4.497e−14
pull
Entries 54
Mean −28.27
Std Dev 0


pull1D
Entries 54
Mean −0.02601
Std Dev 0.9217


asym_sam_15_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.242e+05 / 53
p0 2.727e−11 ± 3.18e−14
0.14
0.12
0.1
0.08
0.06
0.04
0.02
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


reg_asym_sam_26_dd_mean vs run
χ² / ndf 62.91 / 53
p0 18.7 ± 271.6
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
pull
Entries 54
Mean −666.5
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 54
Mean 0.005485
Std Dev 1.079
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 472.6 / 53
p0 197.6 ± 0.192
210
205
200
195
190
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
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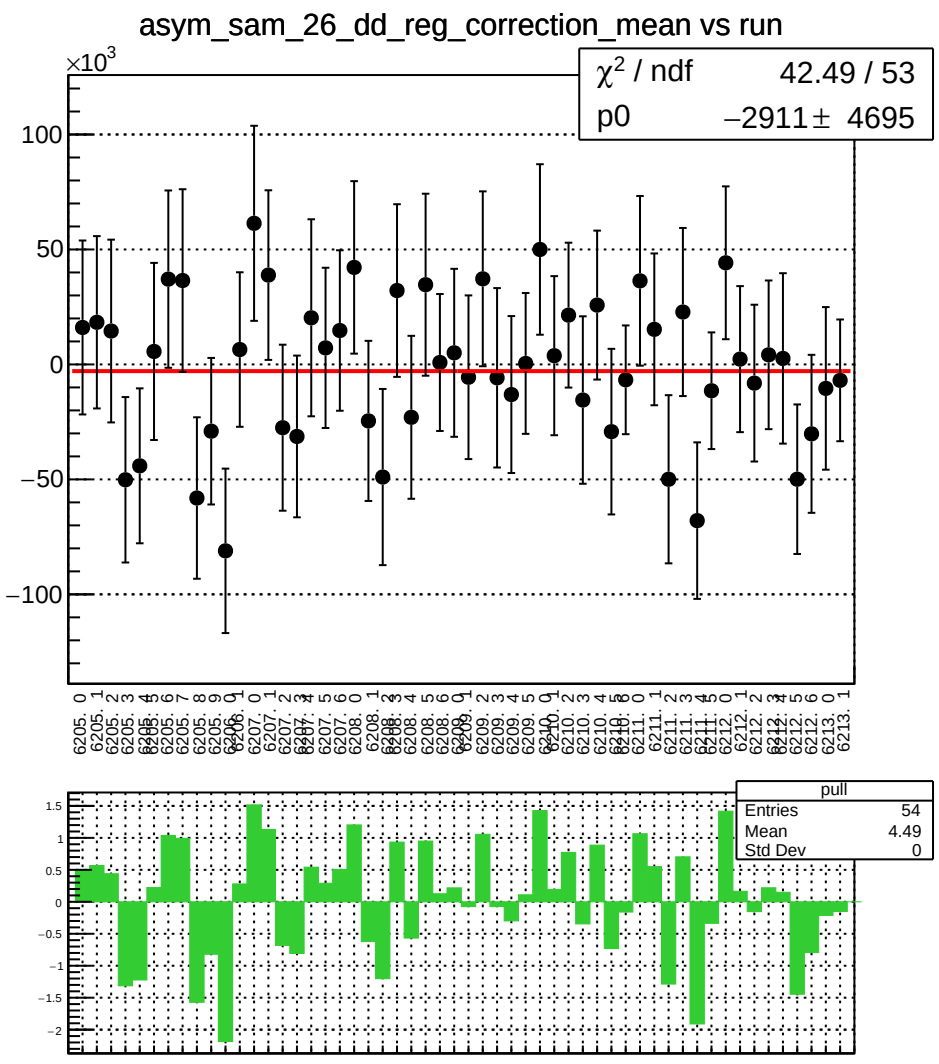
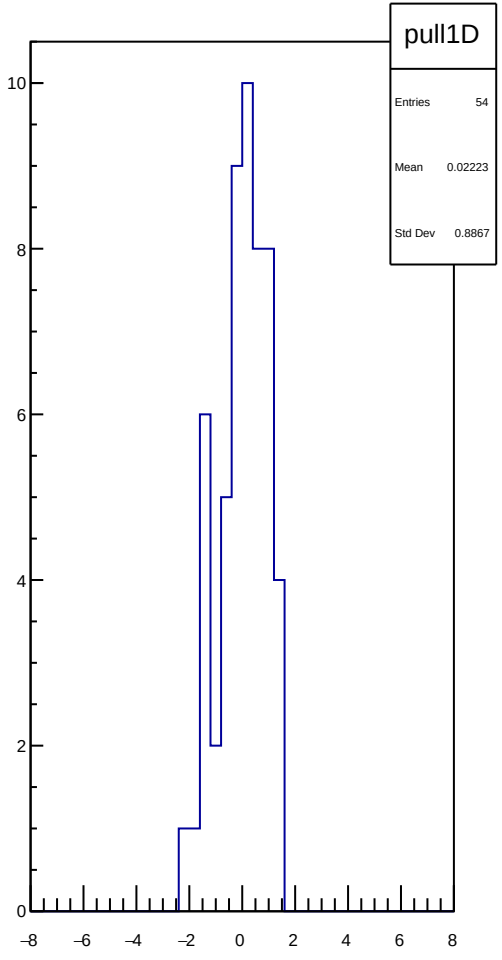
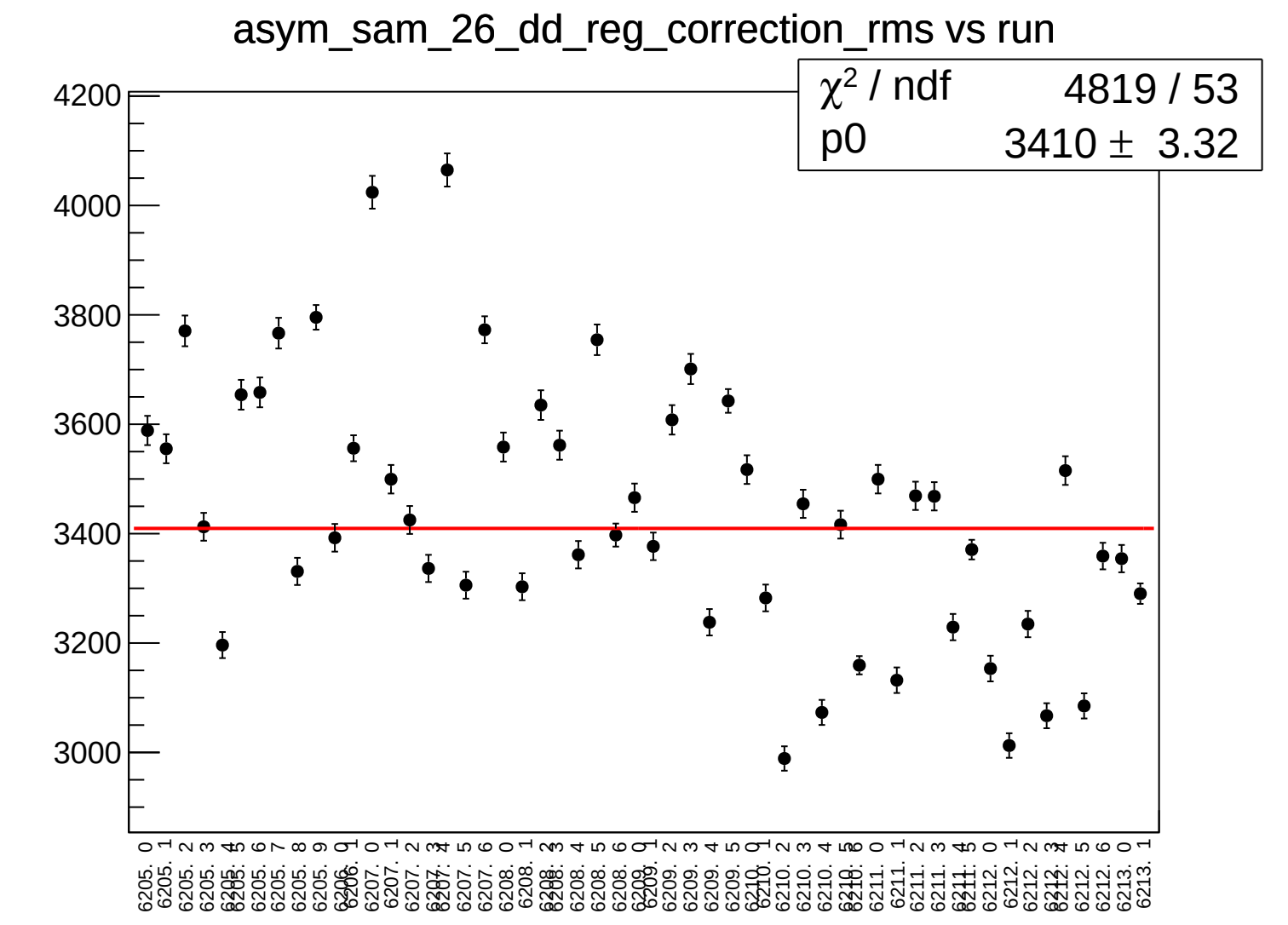
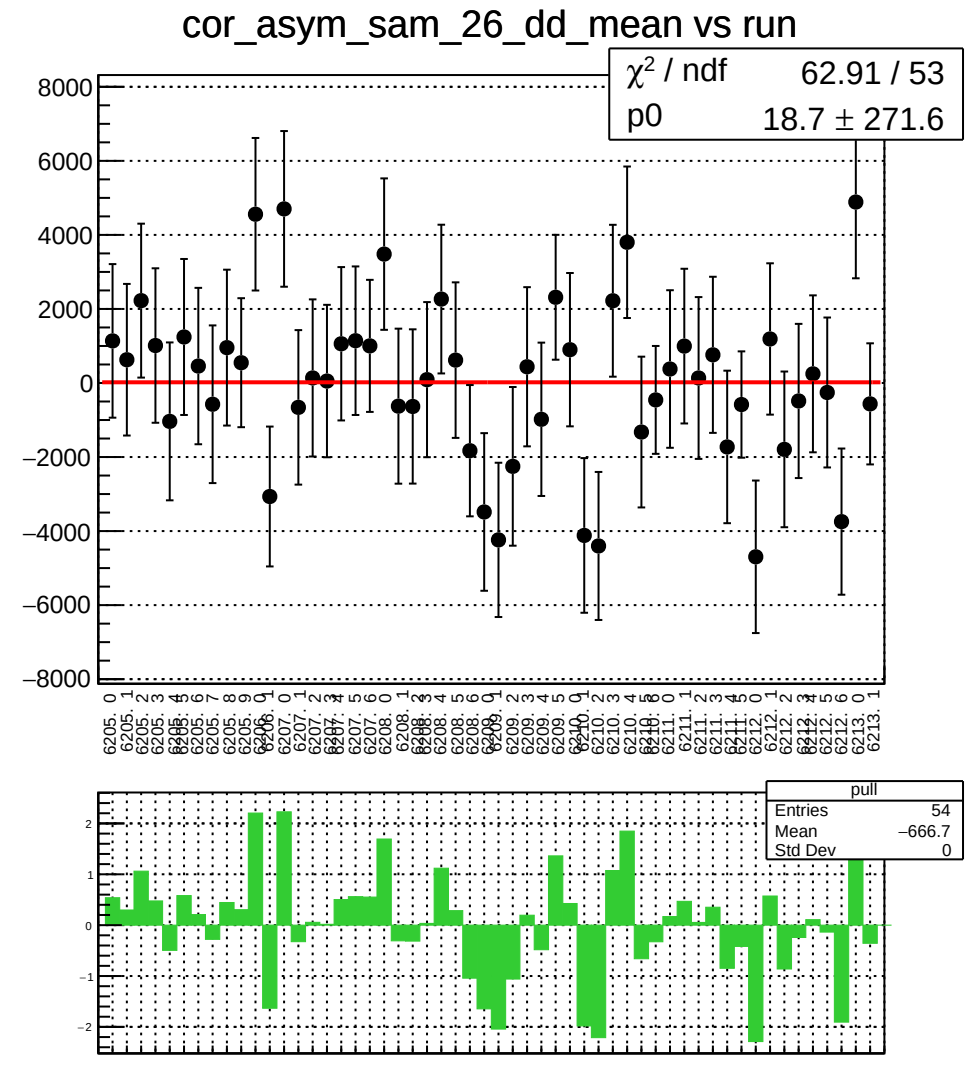
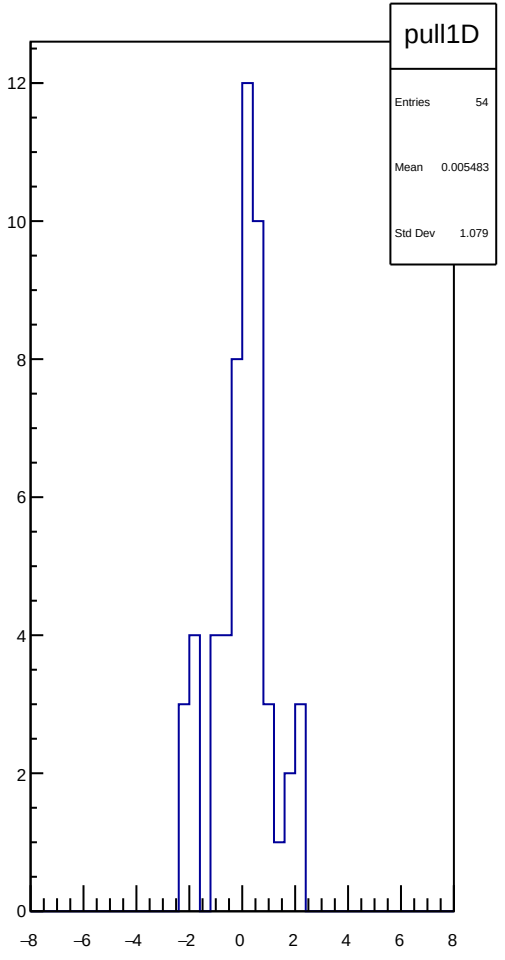
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_sam_26_dd_reg_correction_mean vs run
×10^3
χ² / ndf 42.49 / 53
p0 −2911 ± 4695
100
50
0
−50
−100
pull
Entries 54
Mean 4.49
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 54
Mean 0.02223
Std Dev 0.8867
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 4819 / 53
p0 3410 ± 3.32
4200
4000
3800
3600
3400
3200
3000
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


cor_asym_sam_26_dd_mean vs run
χ² / ndf 62.91 / 53
p0 18.7 ± 271.6
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
pull
Entries 54
Mean −666.7
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 54
Mean 0.005483
Std Dev 1.079
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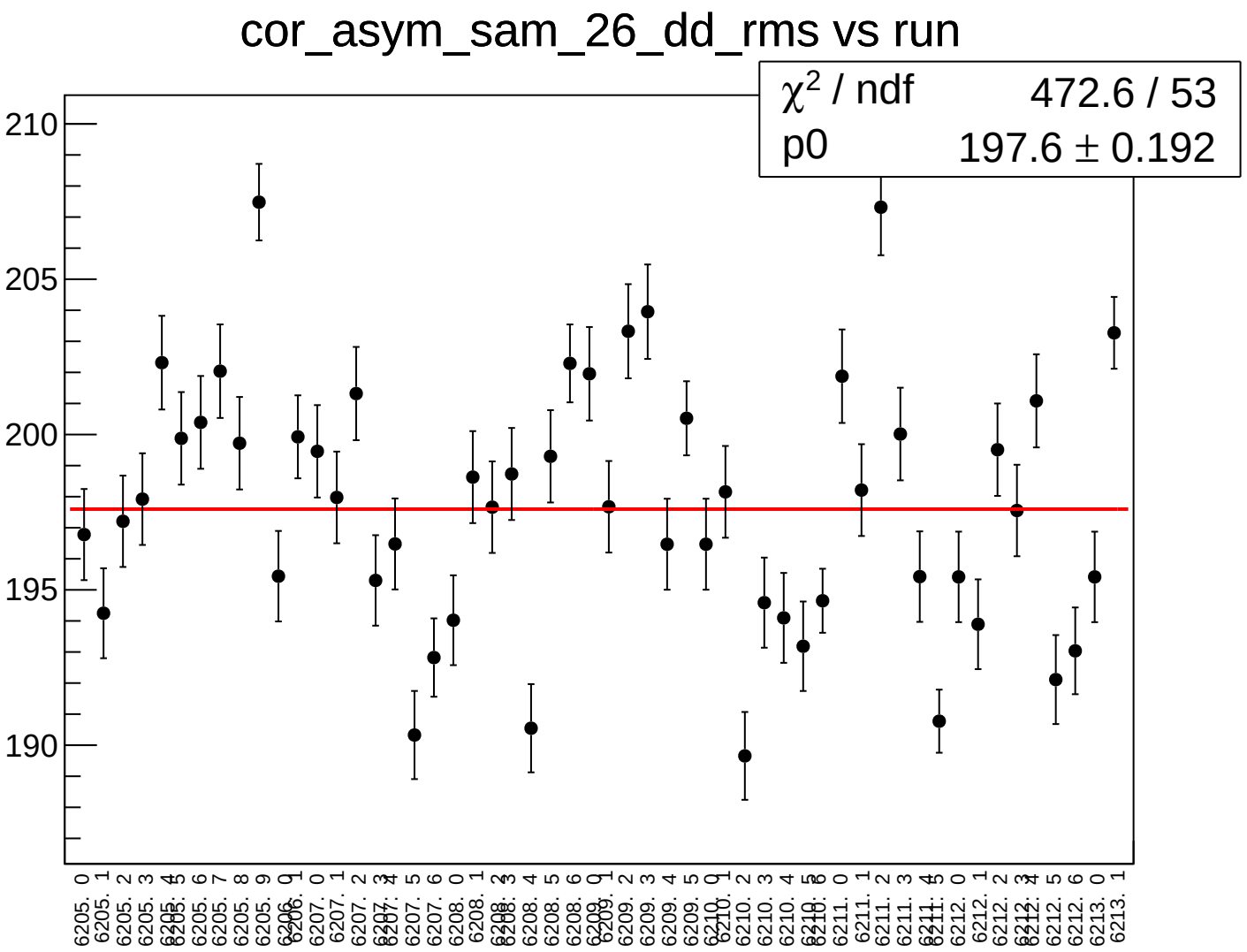
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_sam_26_dd_rms vs run
χ² / ndf 472.6 / 53
p0 197.6 ± 0.192
210
205
200
195
190
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
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6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
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6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
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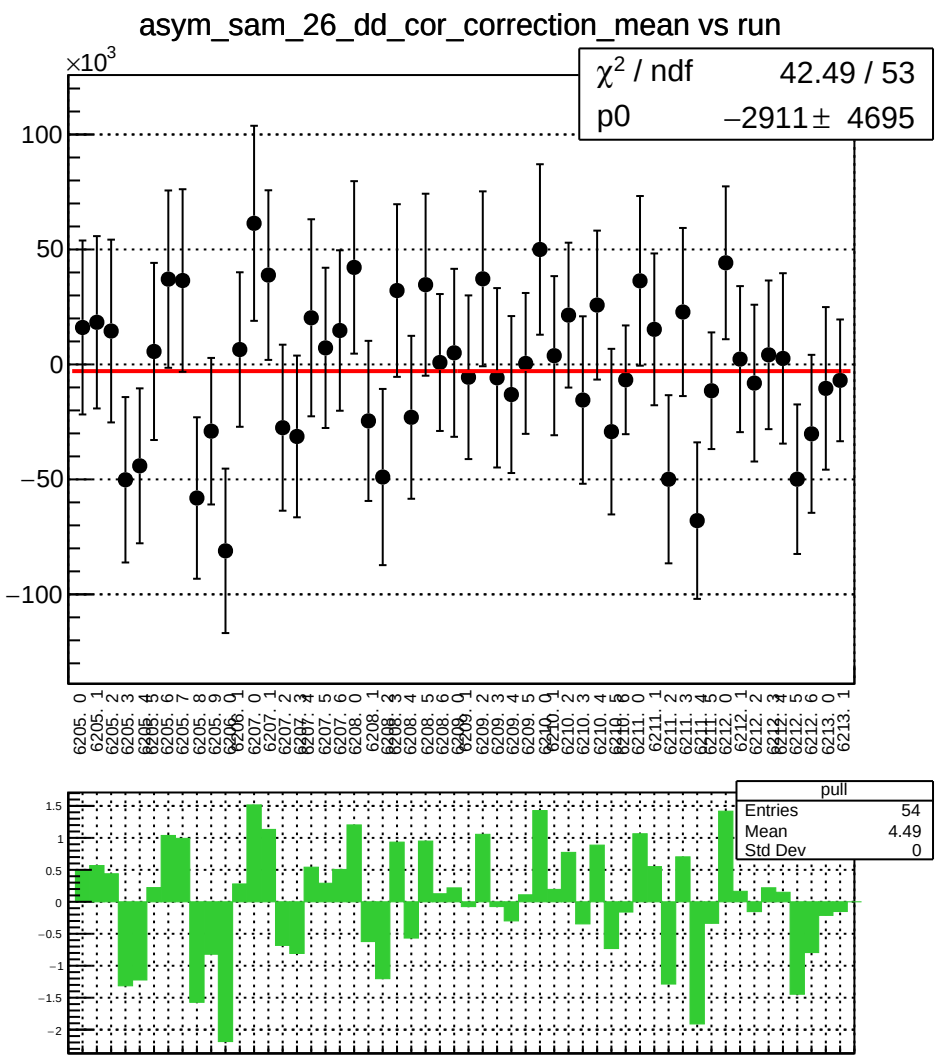
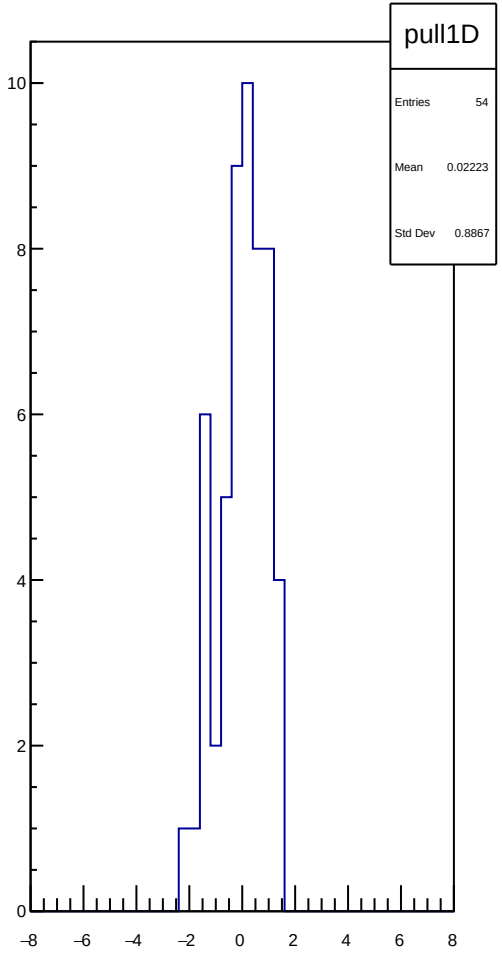
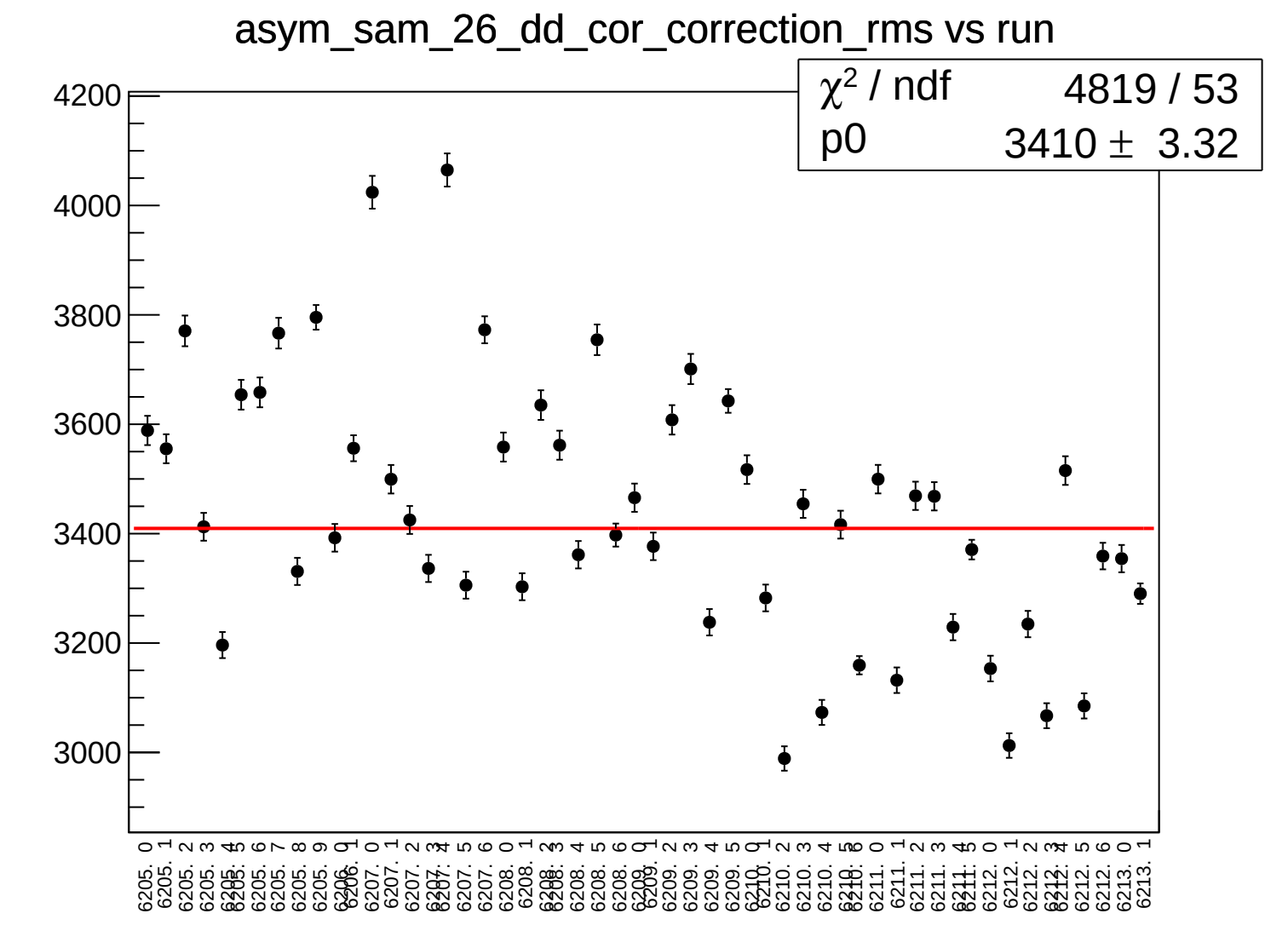
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_sam_26_dd_cor_correction_mean vs run
×10^3
χ² / ndf 42.49 / 53
p0 −2911 ± 4695
100
50
0
−50
−100
pull
Entries 54
Mean 4.49
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 54
Mean 0.02223
Std Dev 0.8867
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_26_dd_cor_correction_rms vs run
χ² / ndf 4819 / 53
p0 3410 ± 3.32
4200
4000
3800
3600
3400
3200
3000
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
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6212. 1
6212. 2
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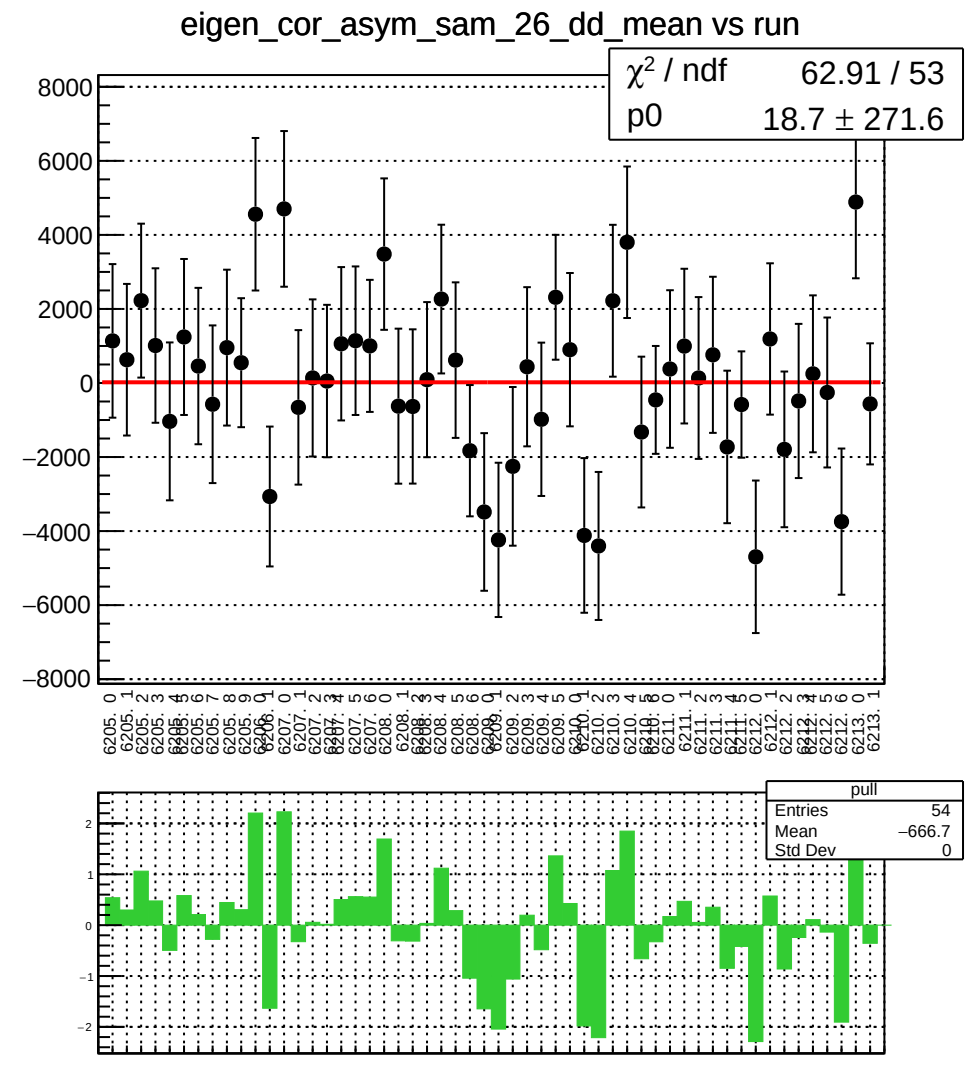
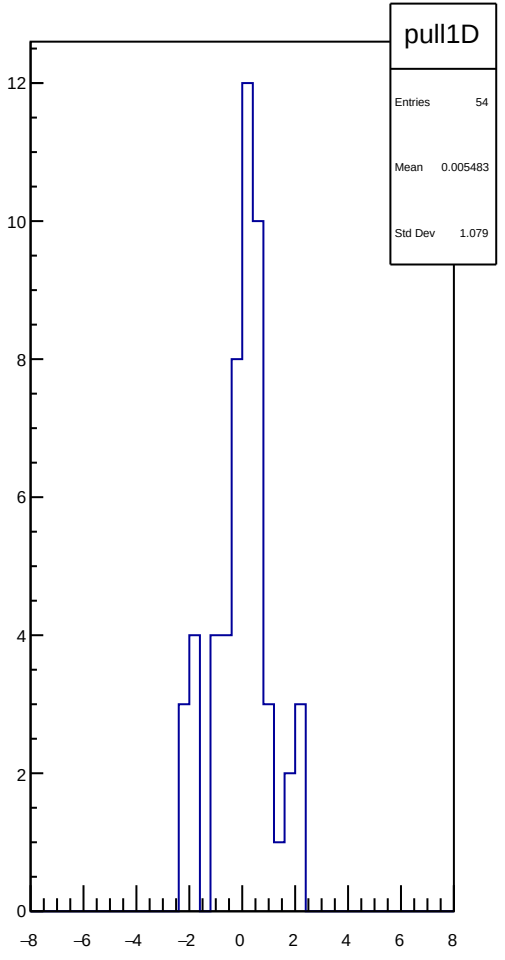
6212. 5
6212. 6
6213. 0
6213. 1


eigen_cor_asym_sam_26_dd_mean vs run
χ² / ndf 62.91 / 53
p0 18.7 ± 271.6
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
pull
Entries 54
Mean −666.7
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 54
Mean 0.005483
Std Dev 1.079
12
10
8
6
4
2
0
−8
−6
−4
−2
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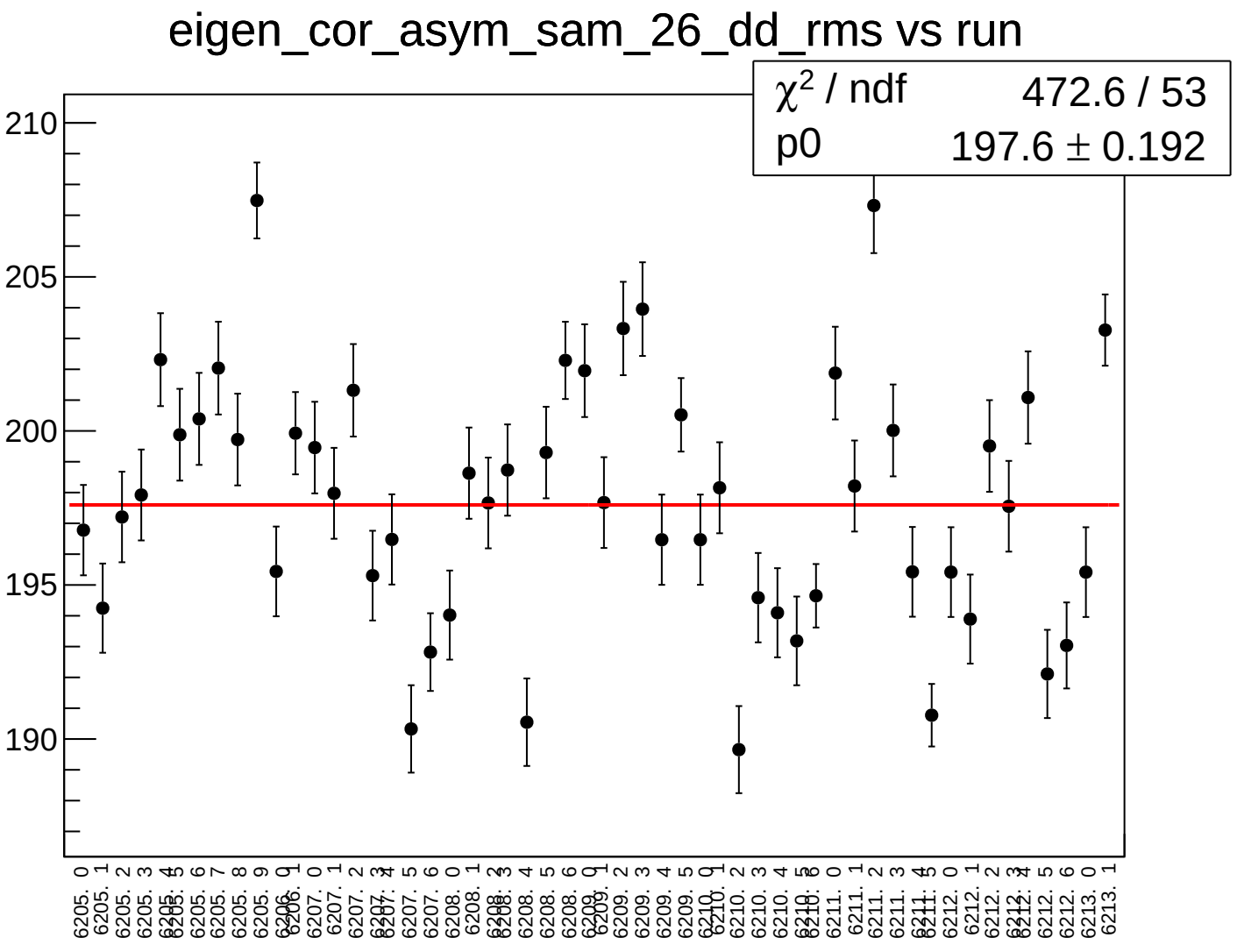
2
4
6
8


eigen_cor_asym_sam_26_dd_rms vs run
χ² / ndf 472.6 / 53
p0 197.6 ± 0.192
210
205
200
195
190
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
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6207. 2
6207. 3
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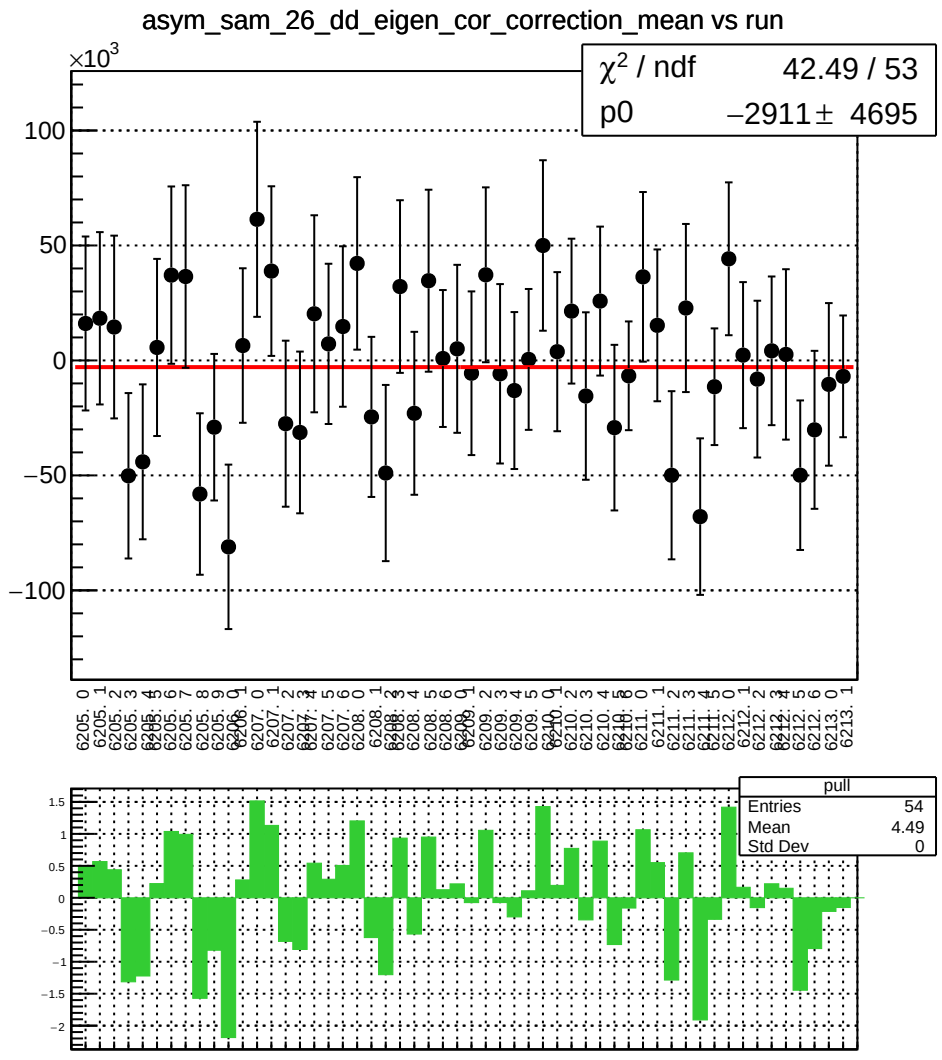
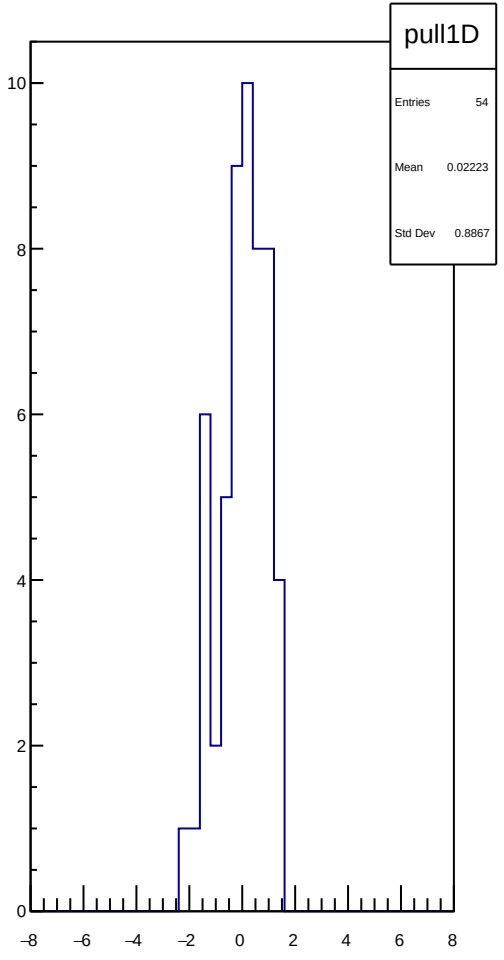
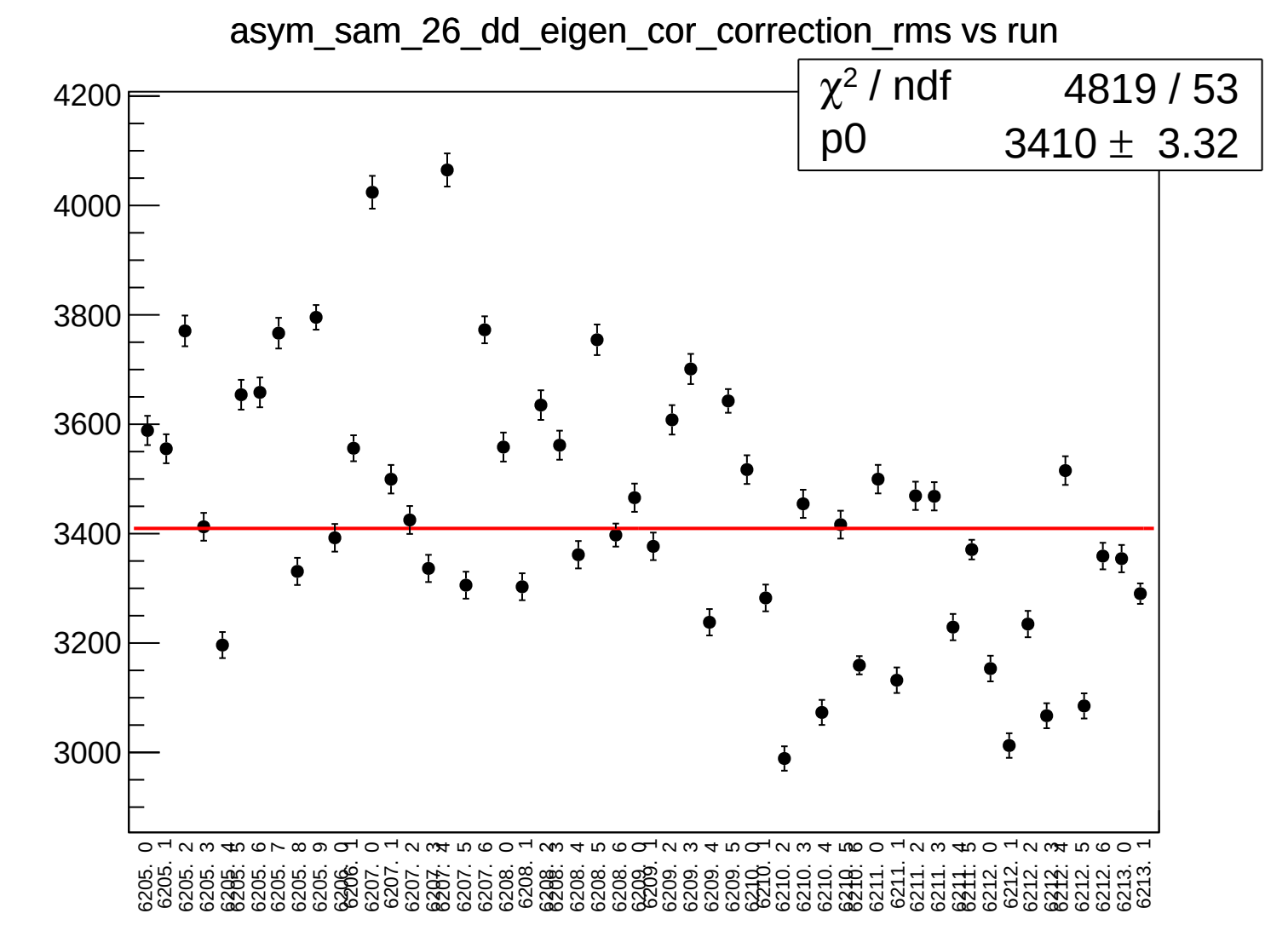
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_sam_26_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 42.49 / 53
p0 −2911 ± 4695
100
50
0
−50
−100
pull
Entries 54
Mean 4.49
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 54
Mean 0.02223
Std Dev 0.8867
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_26_dd_eigen_cor_correction_rms vs run
χ² / ndf 4819 / 53
p0 3410 ± 3.32
4200
4000
3800
3600
3400
3200
3000
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
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6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
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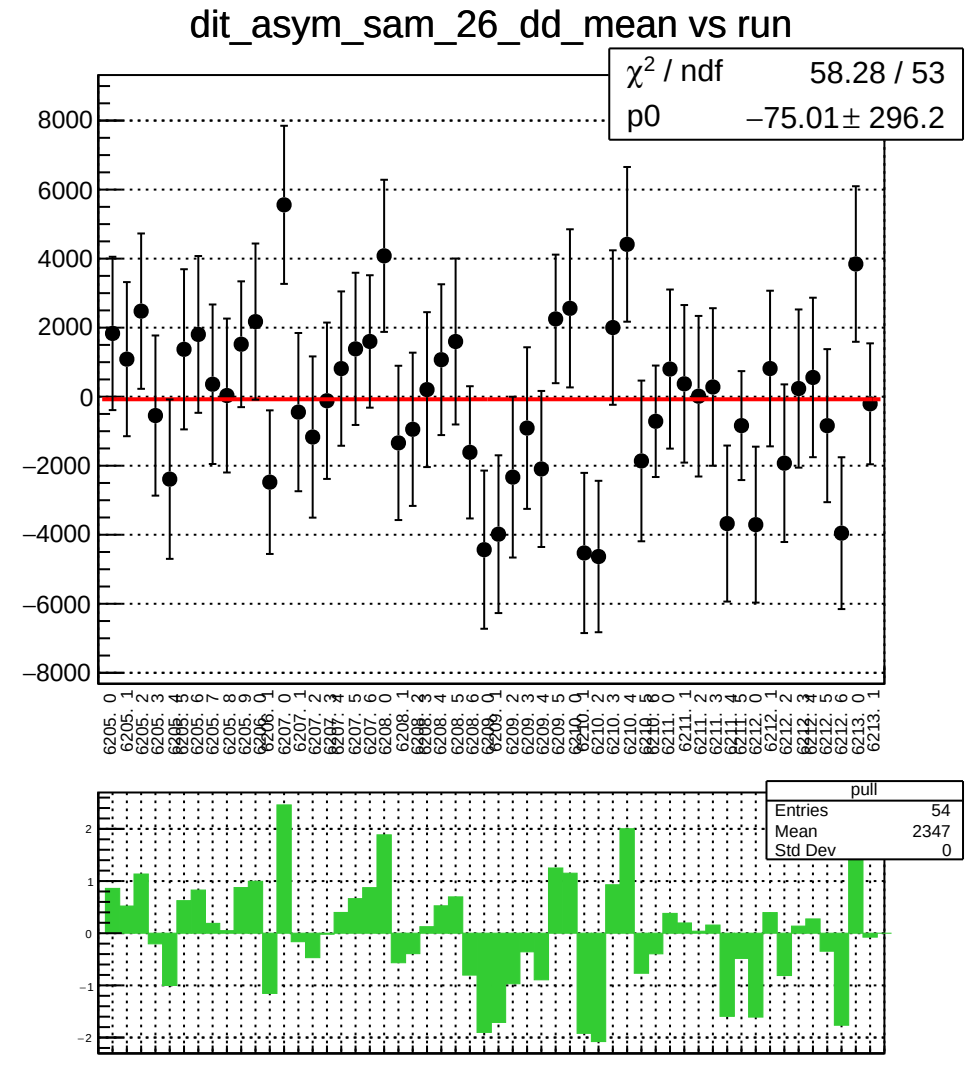
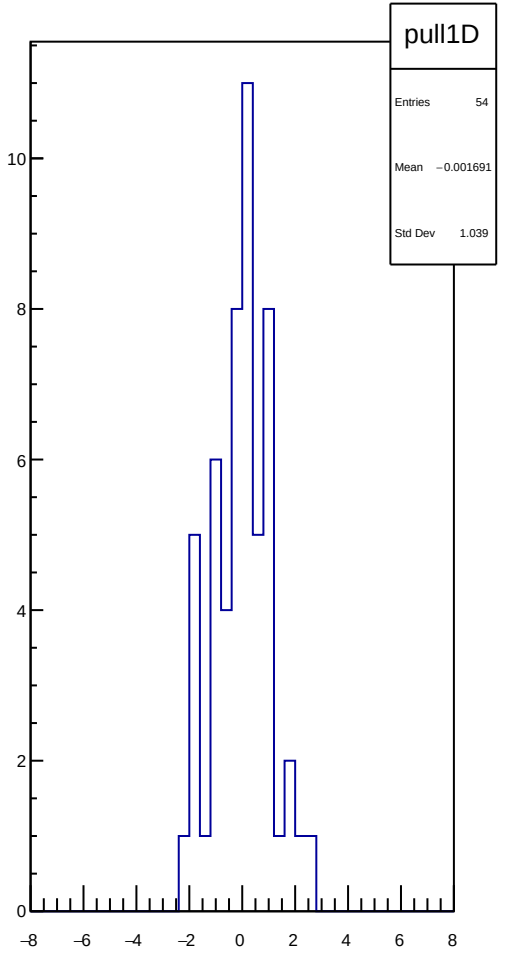
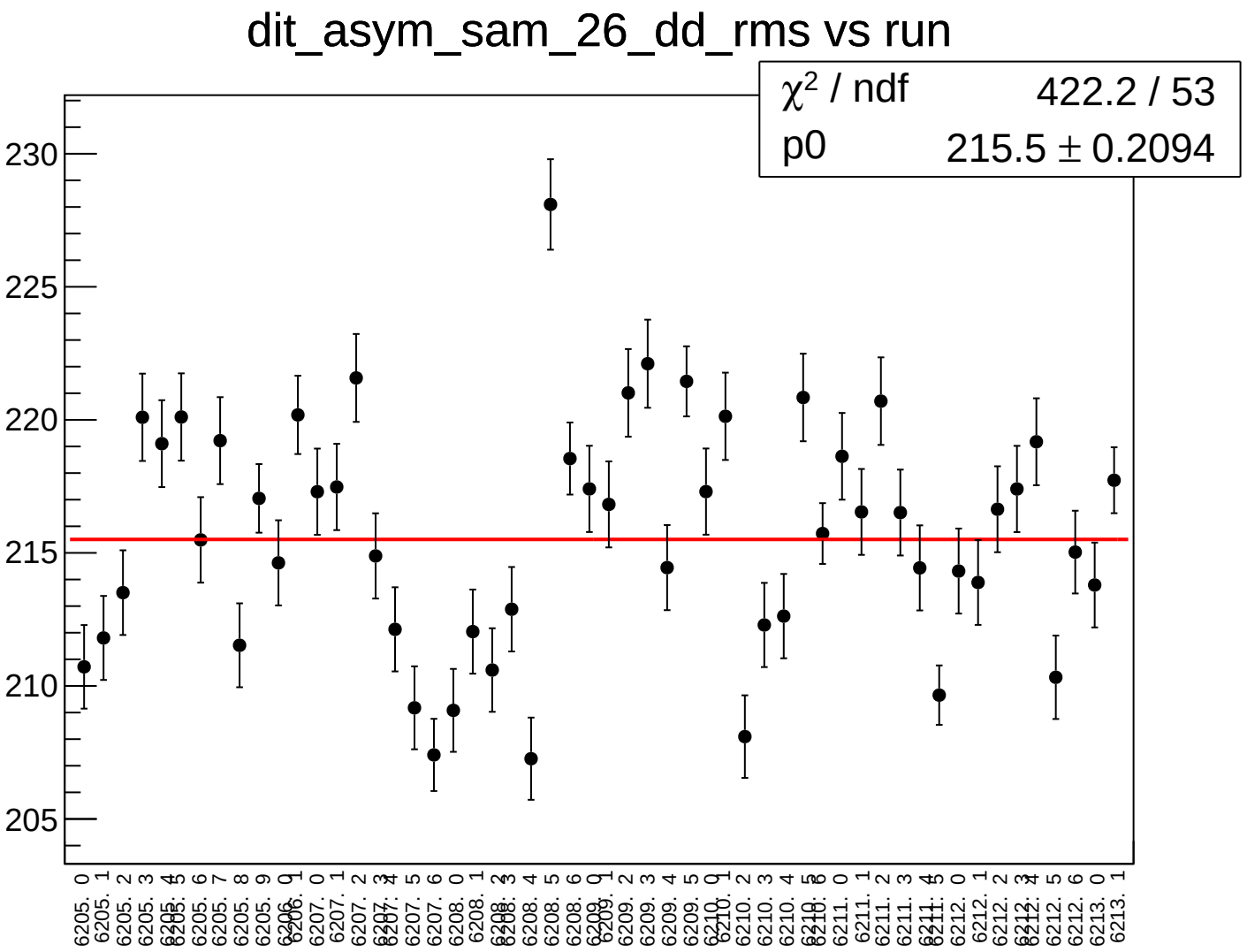
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


dit_asym_sam_26_dd_mean vs run
χ² / ndf 58.28 / 53
p0 −75.01 ± 296.2
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
pull
Entries 54
Mean 2347
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 54
Mean −0.001691
Std Dev 1.039
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_sam_26_dd_rms vs run
χ² / ndf 422.2 / 53
p0 215.5 ± 0.2094
230
225
220
215
210
205
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
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6212. 2
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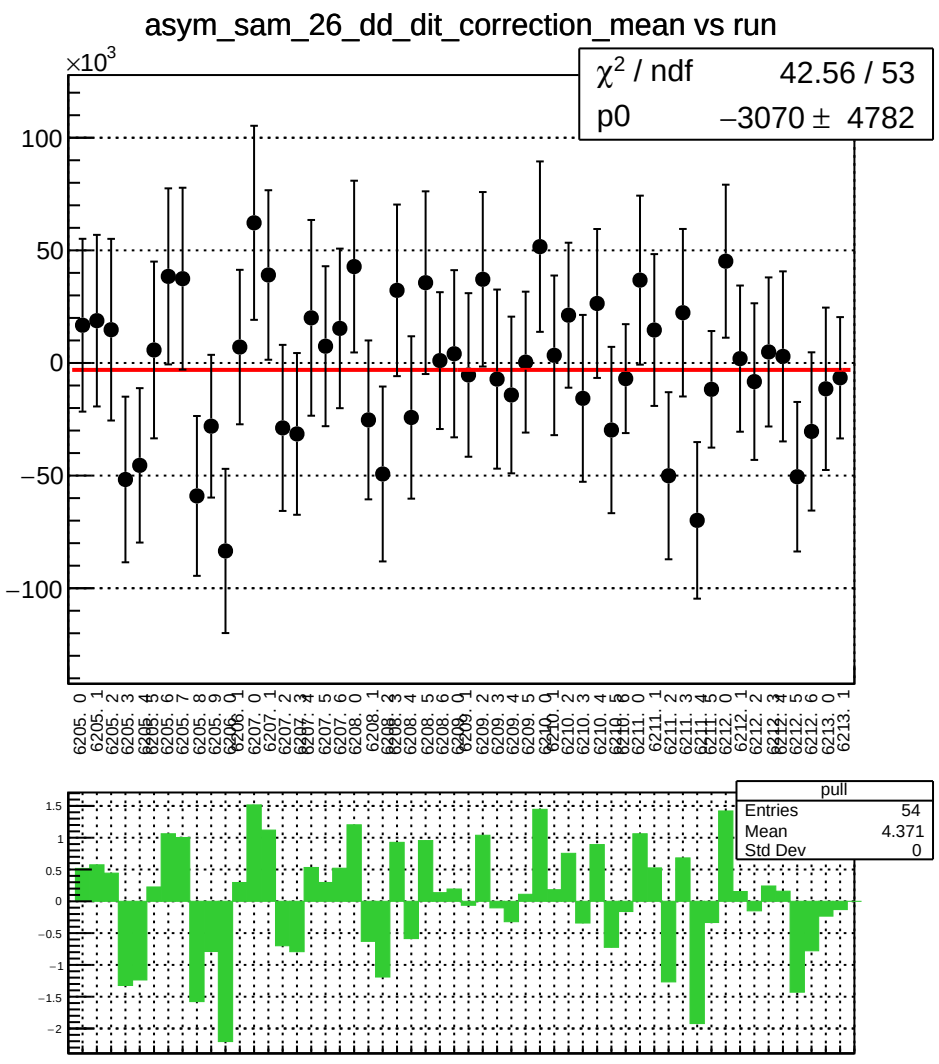
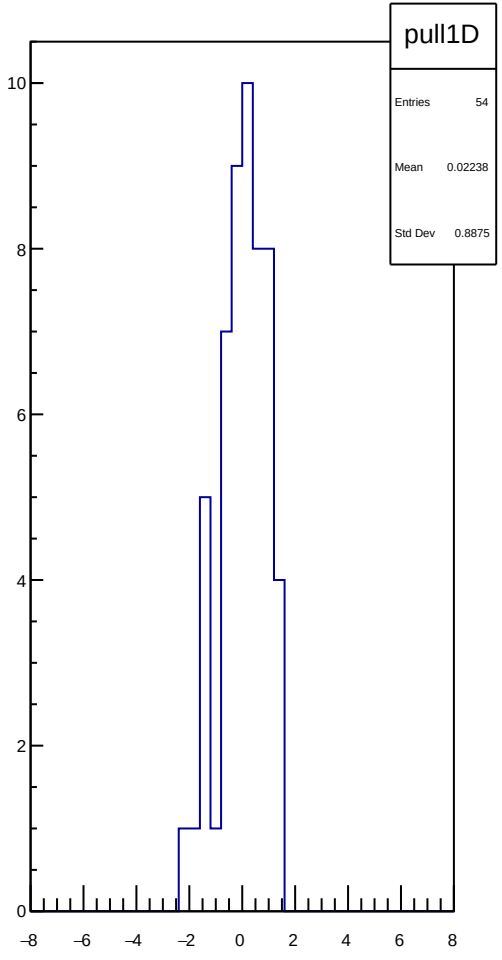
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_sam_26_dd_dit_correction_mean vs run
×10^3
χ² / ndf 42.56 / 53
p0 −3070 ± 4782
100
50
0
−50
−100
pull
Entries 54
Mean 4.371
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 54
Mean 0.02238
Std Dev 0.8875
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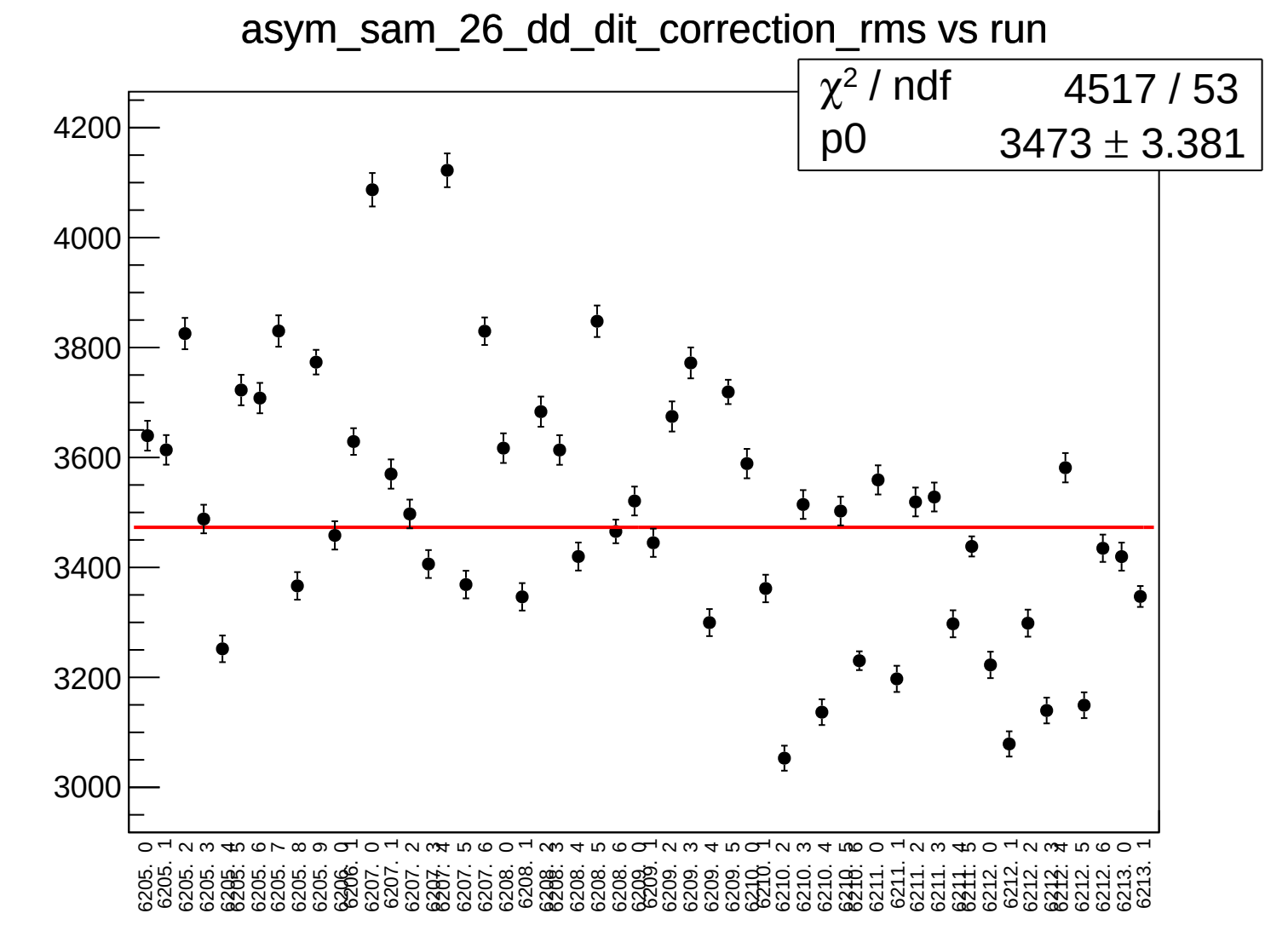
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_26_dd_dit_correction_rms vs run
χ² / ndf 4517 / 53
p0 3473 ± 3.381
4200
4000
3800
3600
3400
3200
3000
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
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6207. 2
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6207. 4
6207. 5
6207. 6
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6208. 3
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6208. 6
6209. 0
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6209. 5
6210. 0
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6210. 2
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6210. 4
6210. 5
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6211. 0
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6211. 2
6211. 3
6211. 4
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6212. 1
6212. 2
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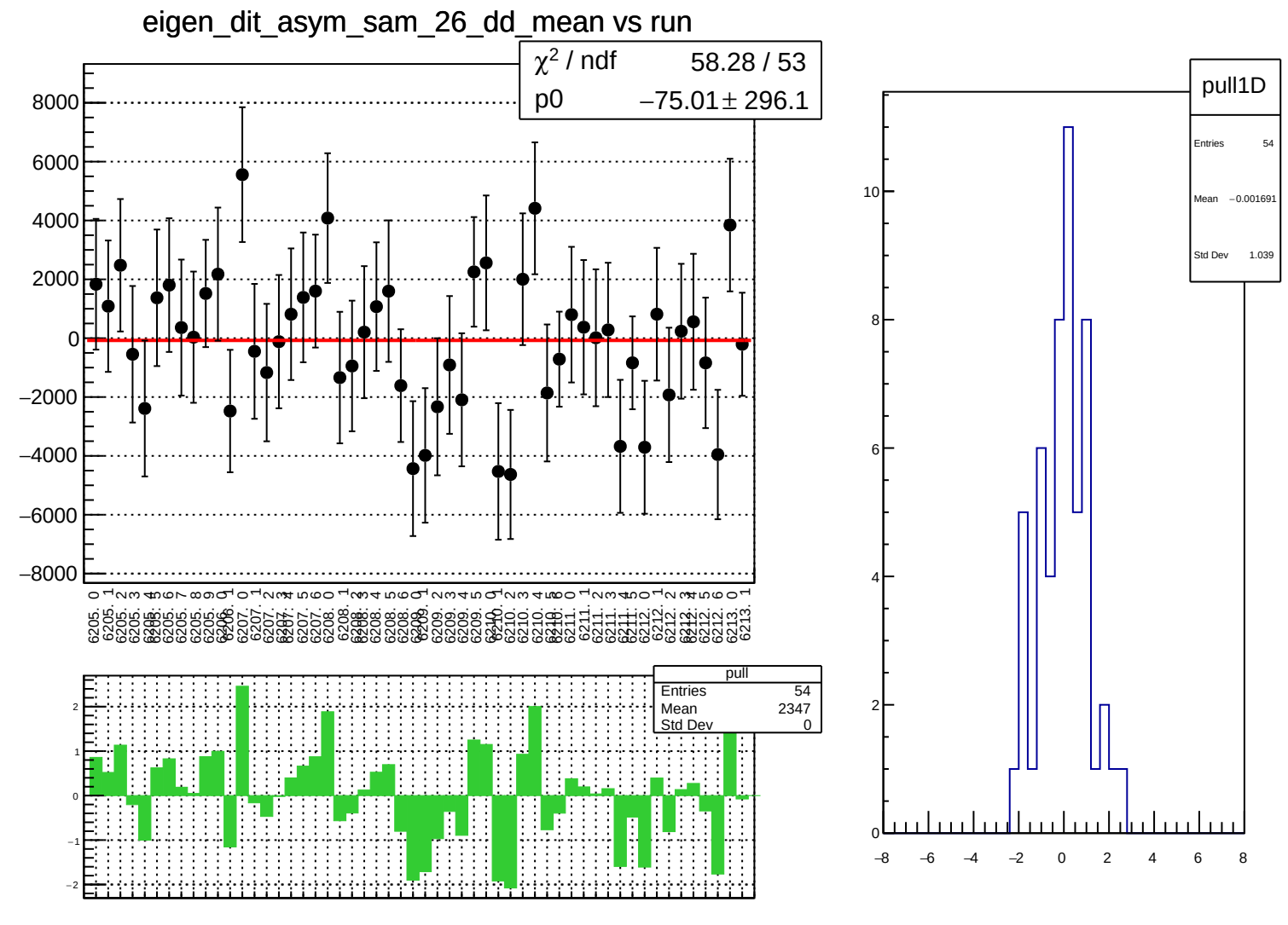
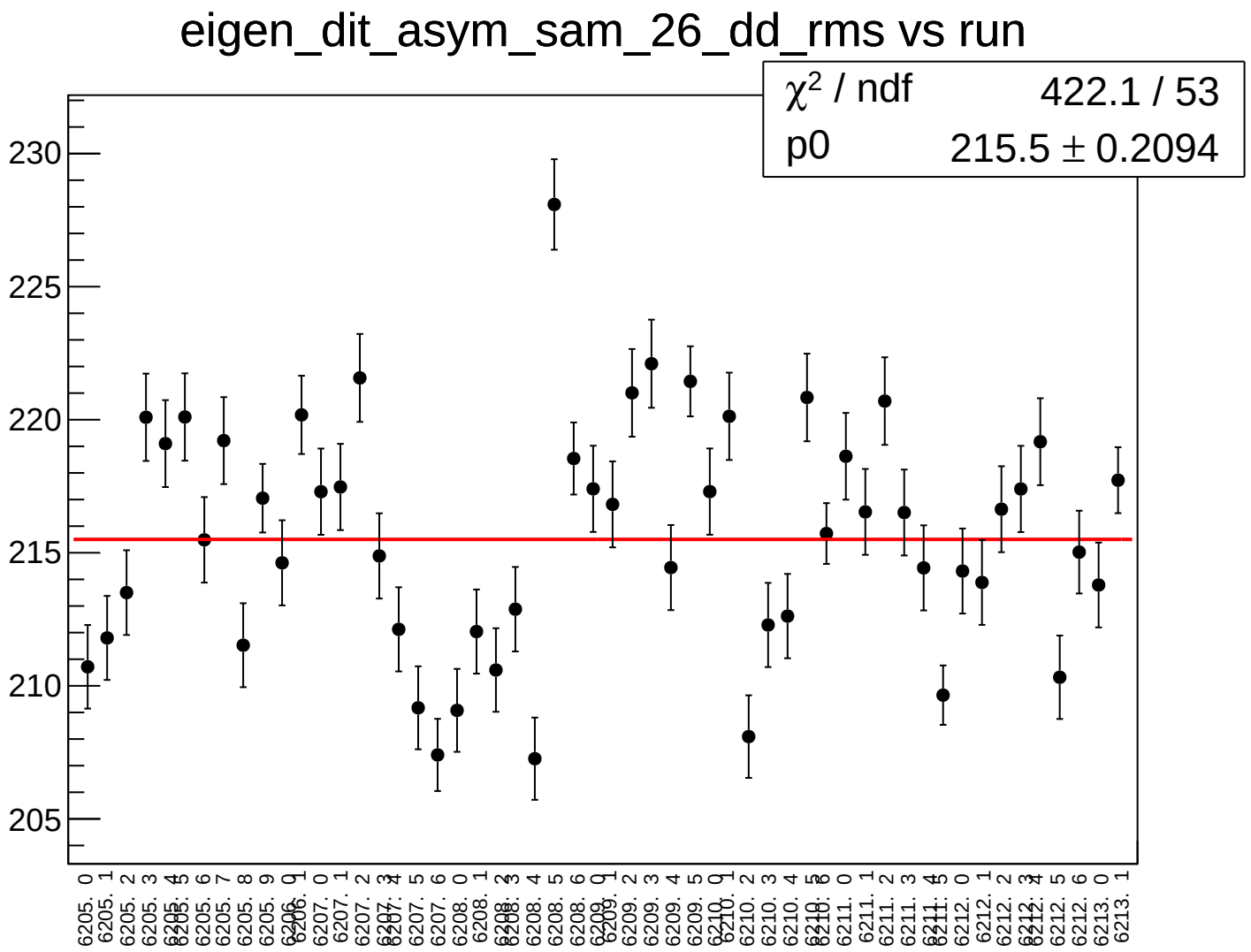
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


eigen_dit_asym_sam_26_dd_mean vs run
χ² / ndf 58.28 / 53
p0 −75.01 ± 296.1
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
pull
Entries 54
Mean 2347
Std Dev 0
pull1D
Entries 54
Mean −0.001691
Std Dev 1.039


eigen_dit_asym_sam_26_dd_rms vs run
χ² / ndf 422.1 / 53
p0 215.5 ± 0.2094
230
225
220
215
210
205
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
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6210. 1
6210. 2
6210. 3
6210. 4
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6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
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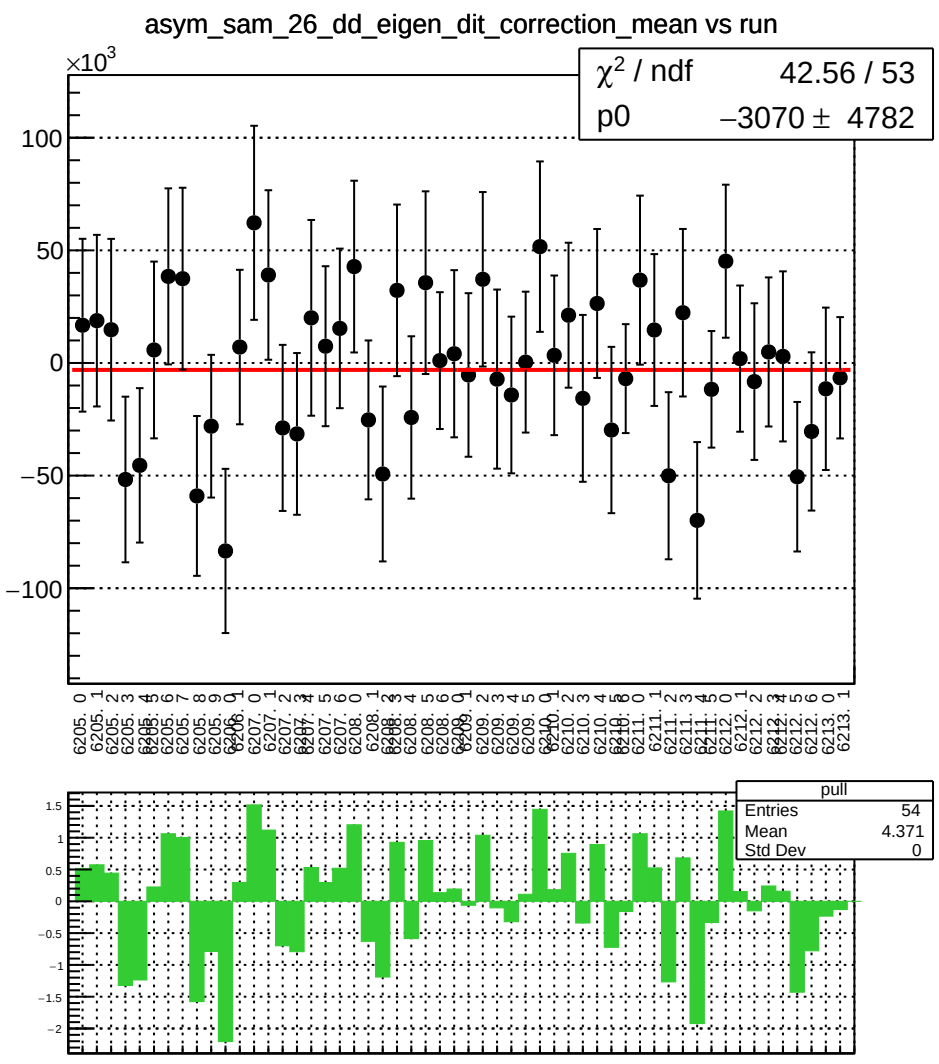
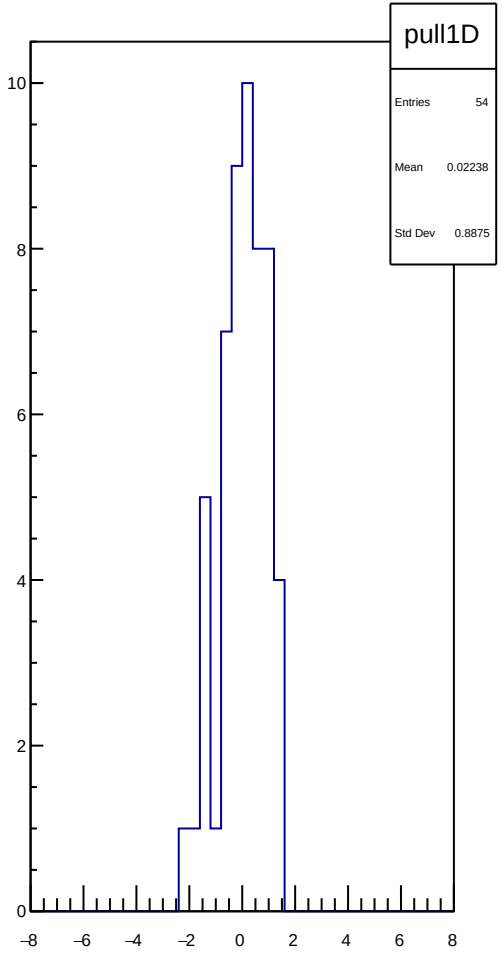
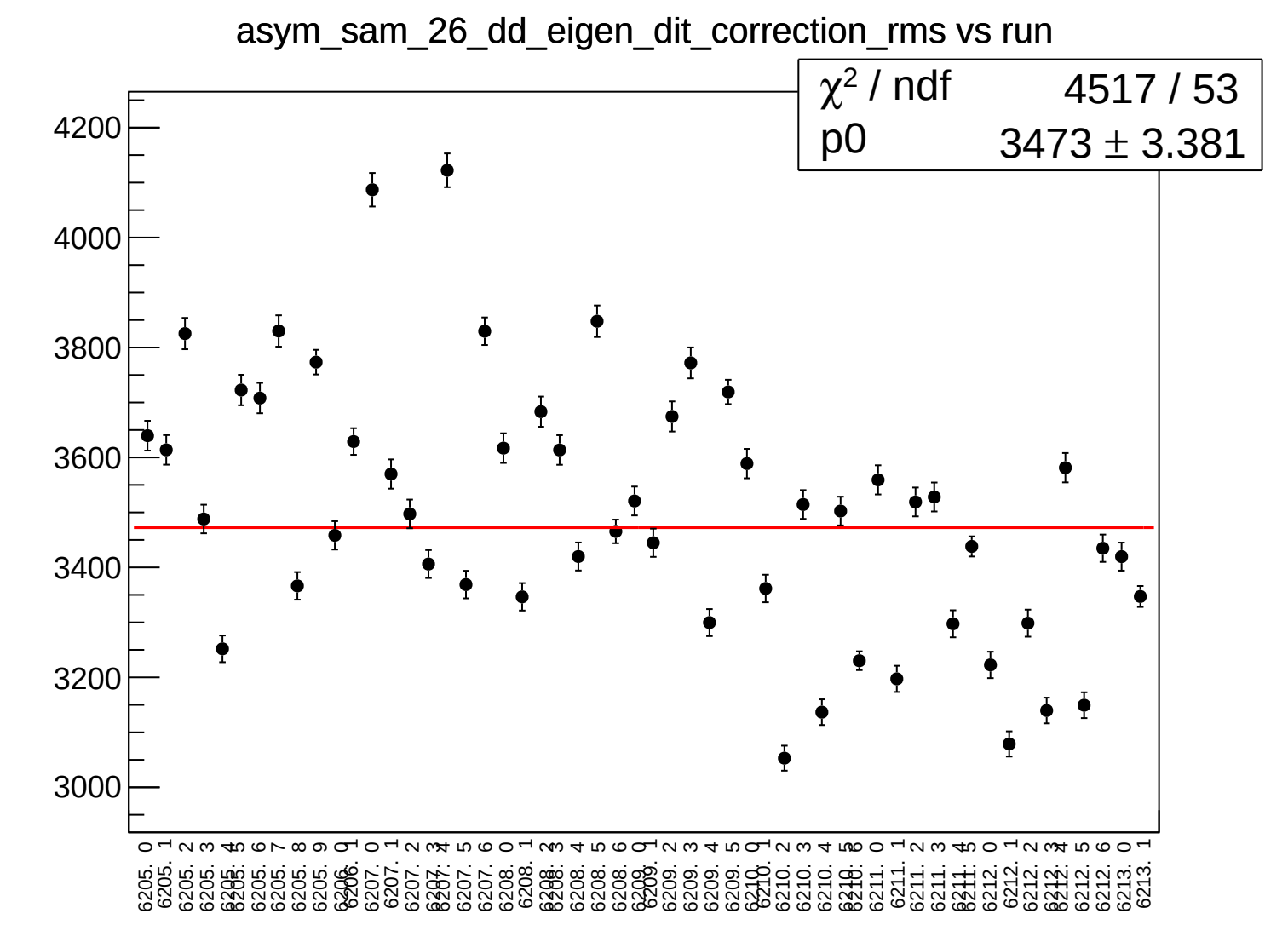
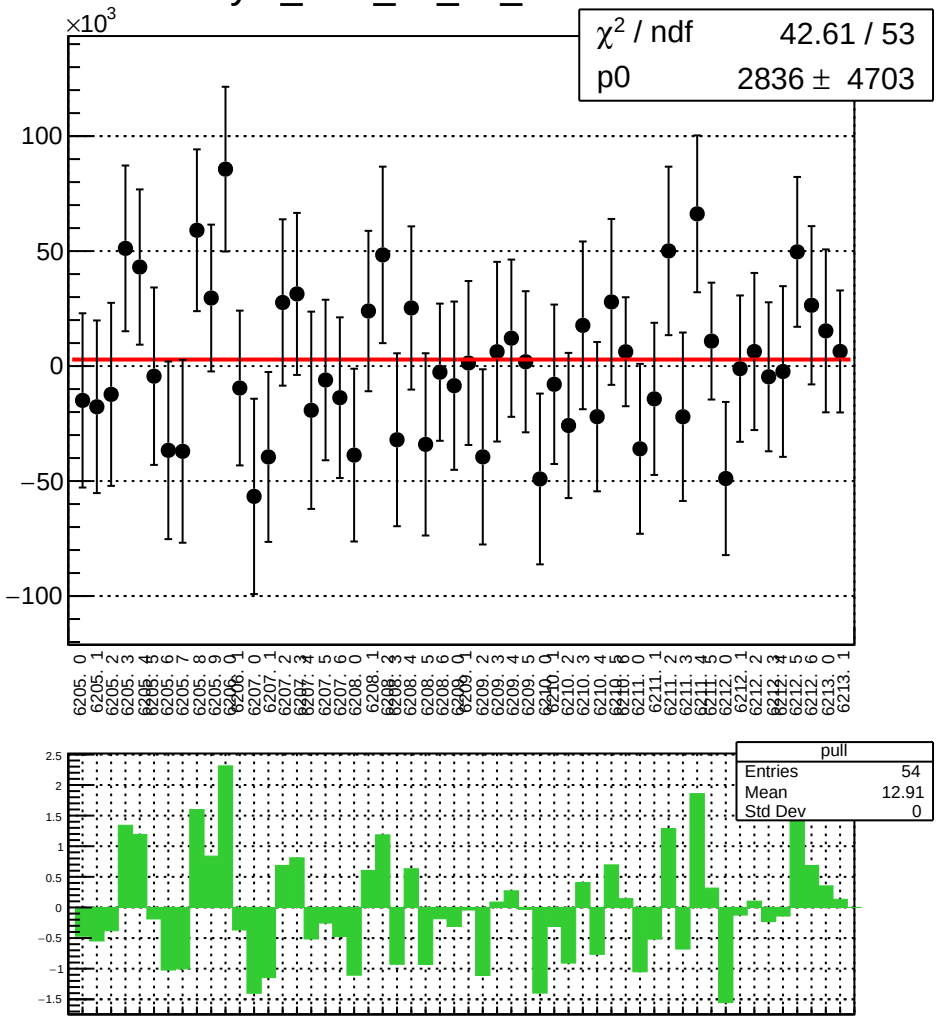
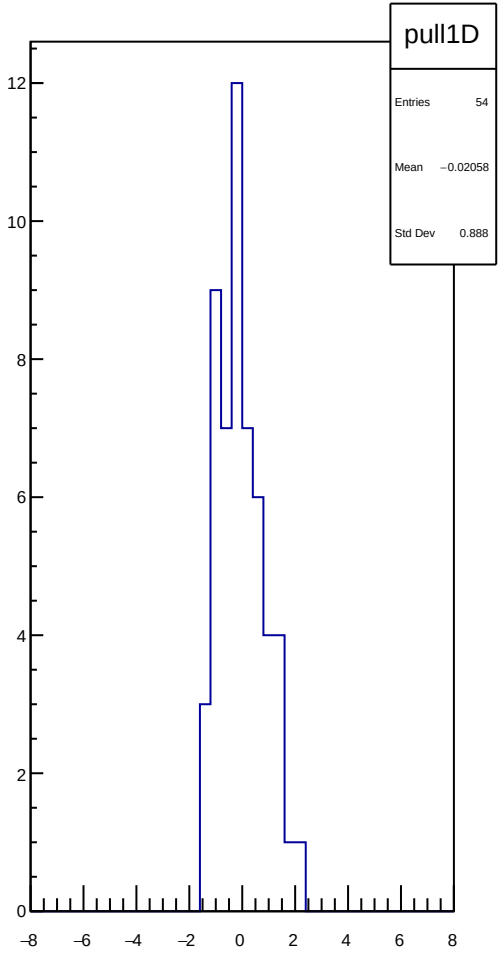
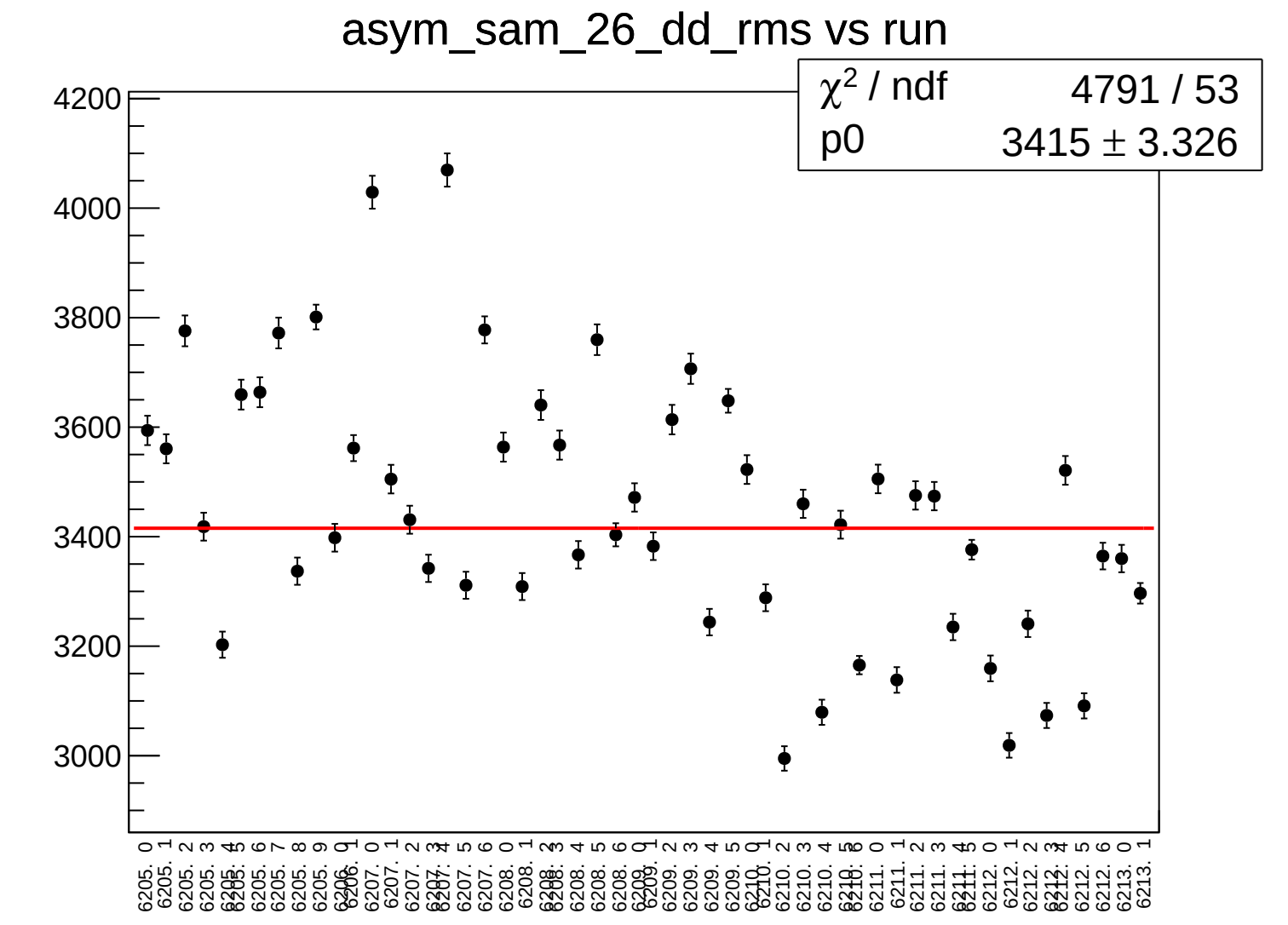

asym_sam_26_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 42.56 / 53
p0 −3070 ± 4782
100
50
0
−50
−100
pull
Entries 54
Mean 4.371
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

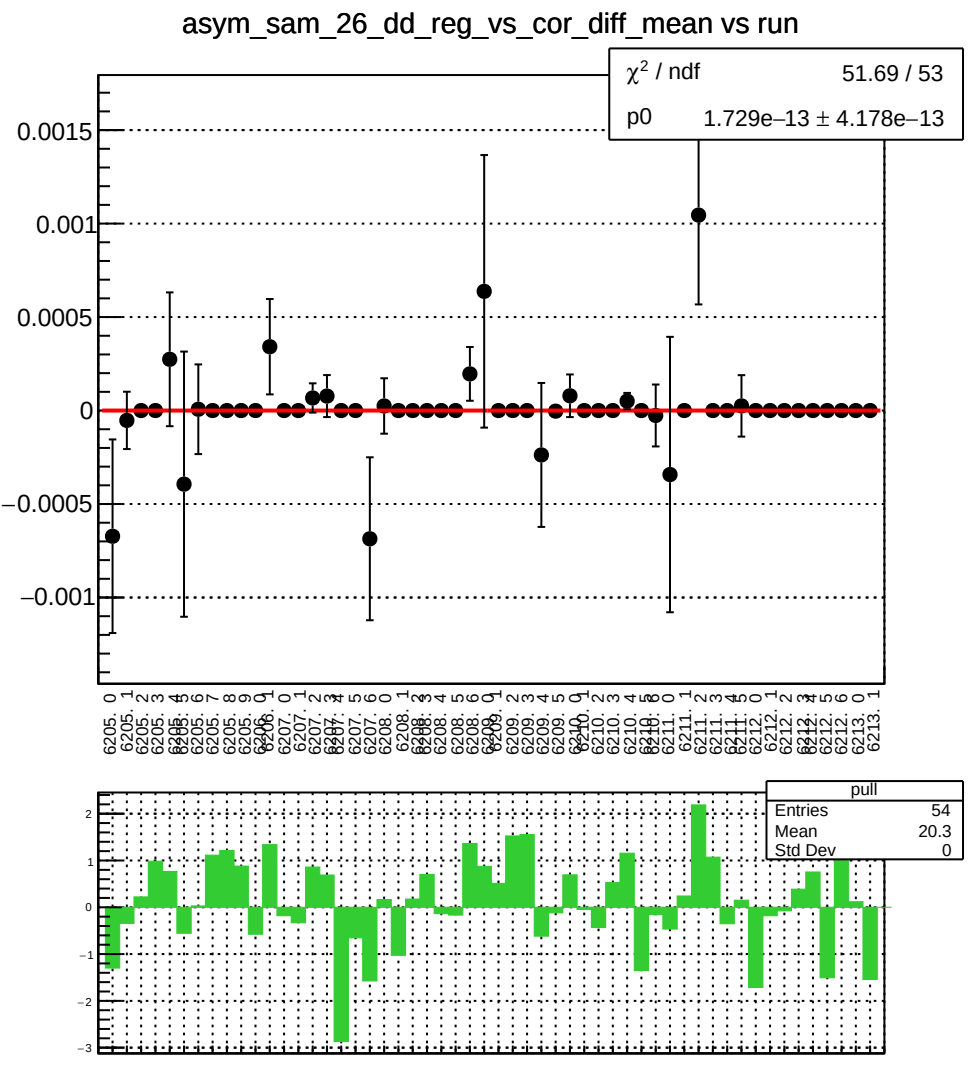

pull1D
Entries 54
Mean 0.02238
Std Dev 0.8875
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

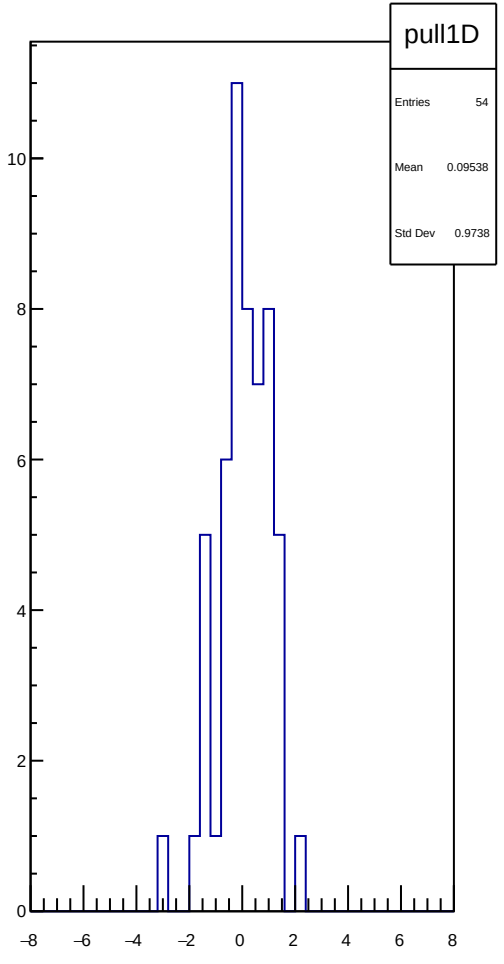

asym_sam_26_dd_eigen_dit_correction_rms vs run
χ² / ndf 4517 / 53
p0 3473 ± 3.381
4200
4000
3800
3600
3400
3200
3000
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

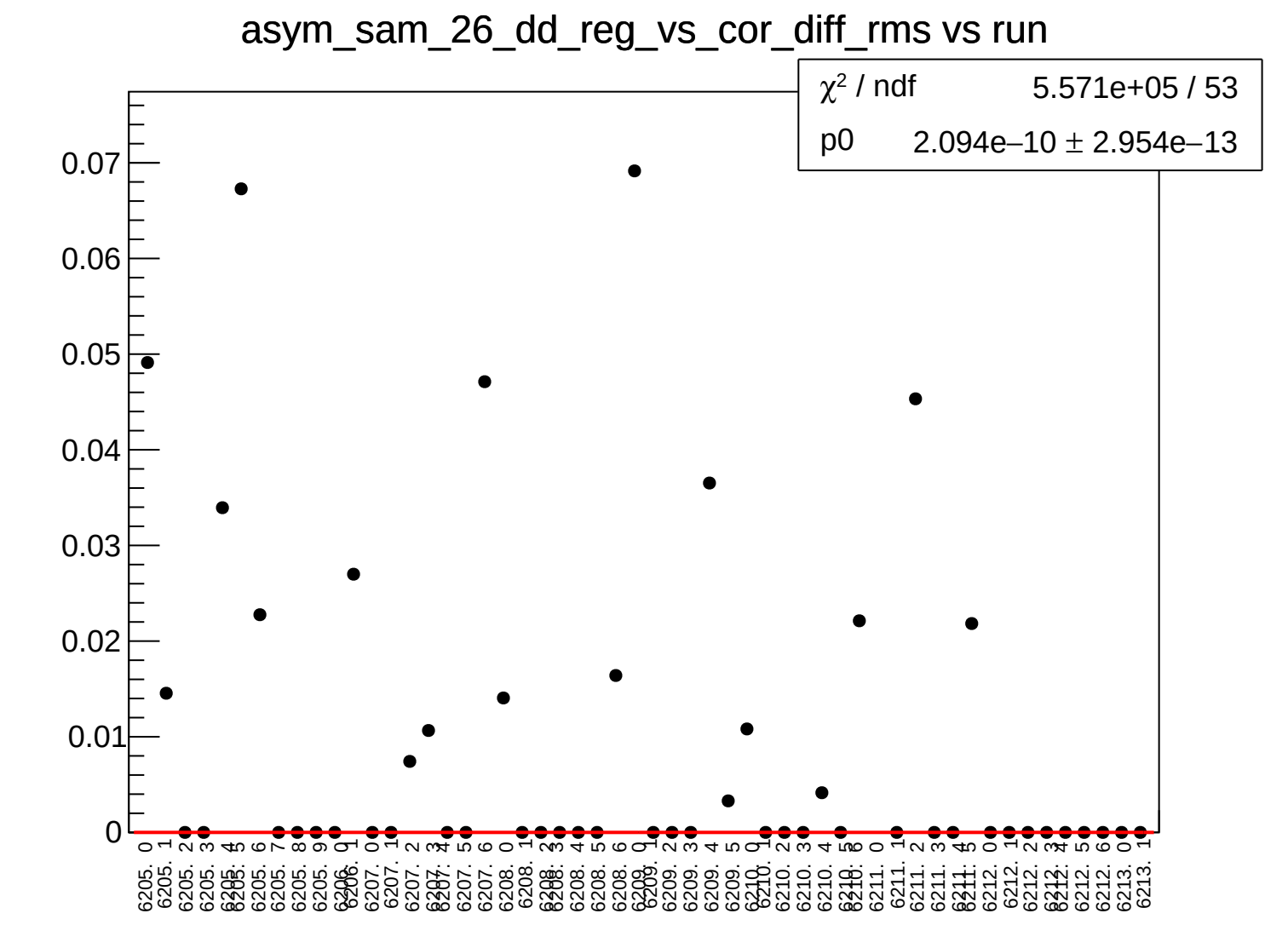

asym_sam_26_dd_mean vs run
×10^3
χ² / ndf 42.61 / 53
p0 2836 ± 4703
100
50
0
−50
−100
pull
Entries 54
Mean 12.91
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

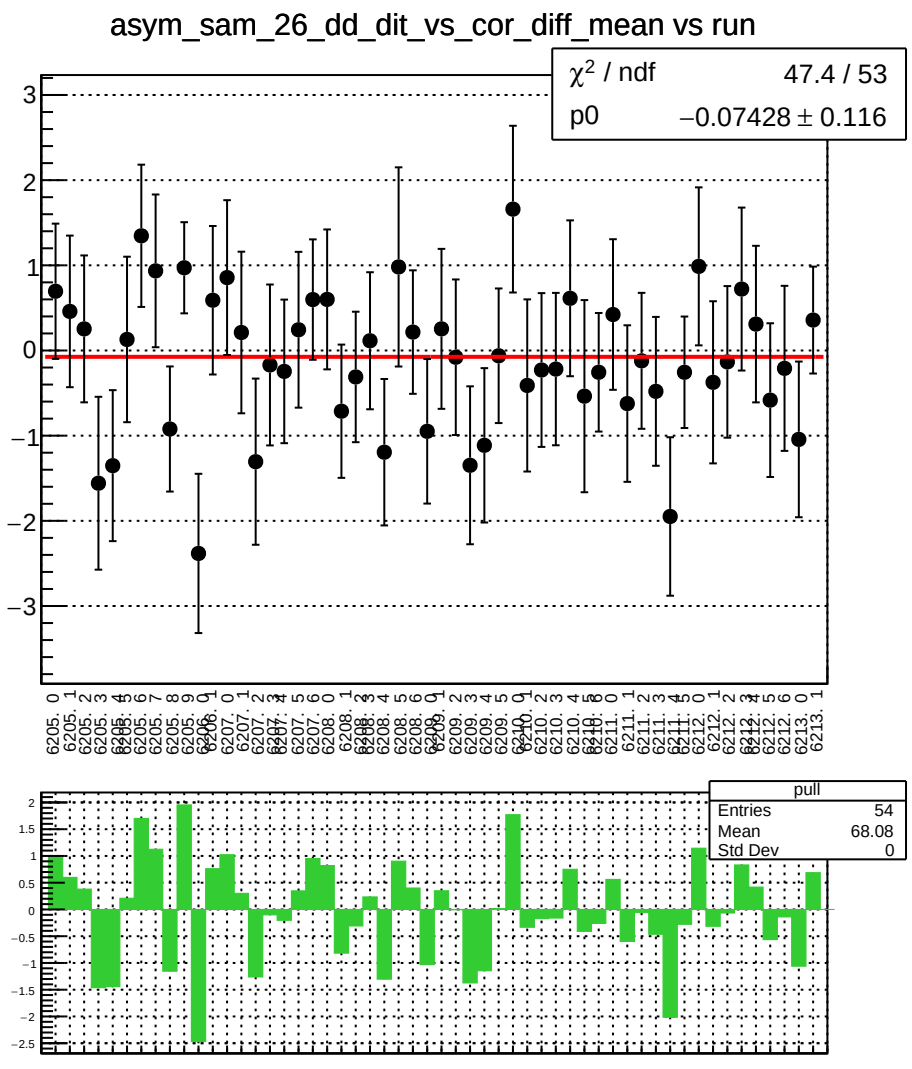

pull1D
Entries 54
Mean −0.02058
Std Dev 0.888
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

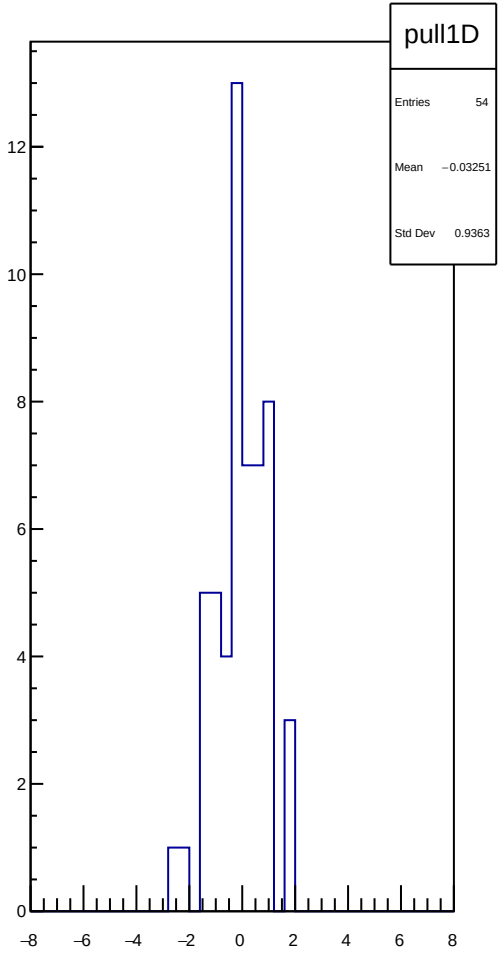

asym_sam_26_dd_rms vs run
χ² / ndf 4791 / 53
p0 3415 ± 3.326
4200
4000
3800
3600
3400
3200
3000
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

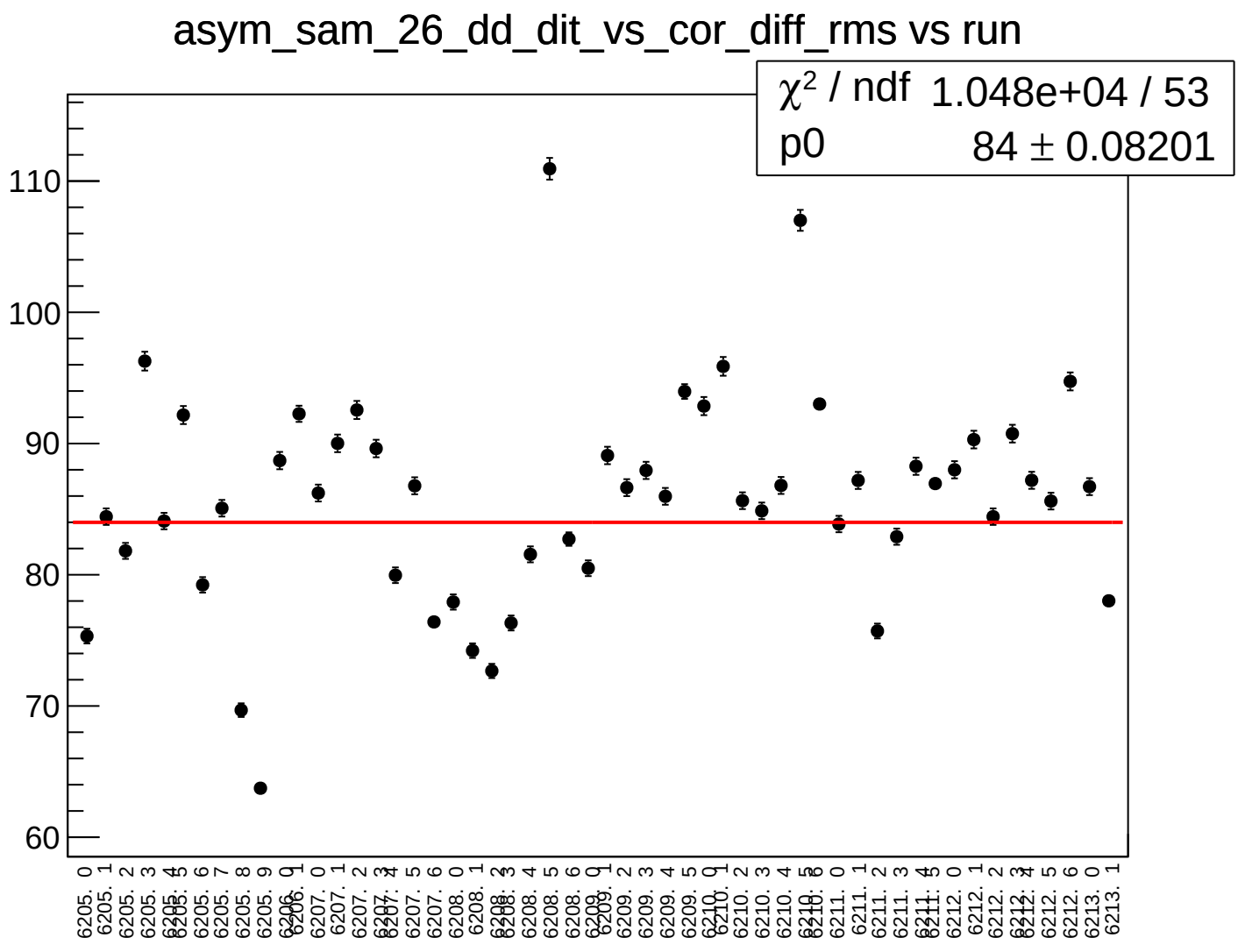

asym_sam_26_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 51.69 / 53
p0 1.729e−13 ± 4.178e−13
0.0015
0.001
0.0005
0
−0.0005
−0.001
pull
Entries 54
Mean 20.3
Std Dev 0

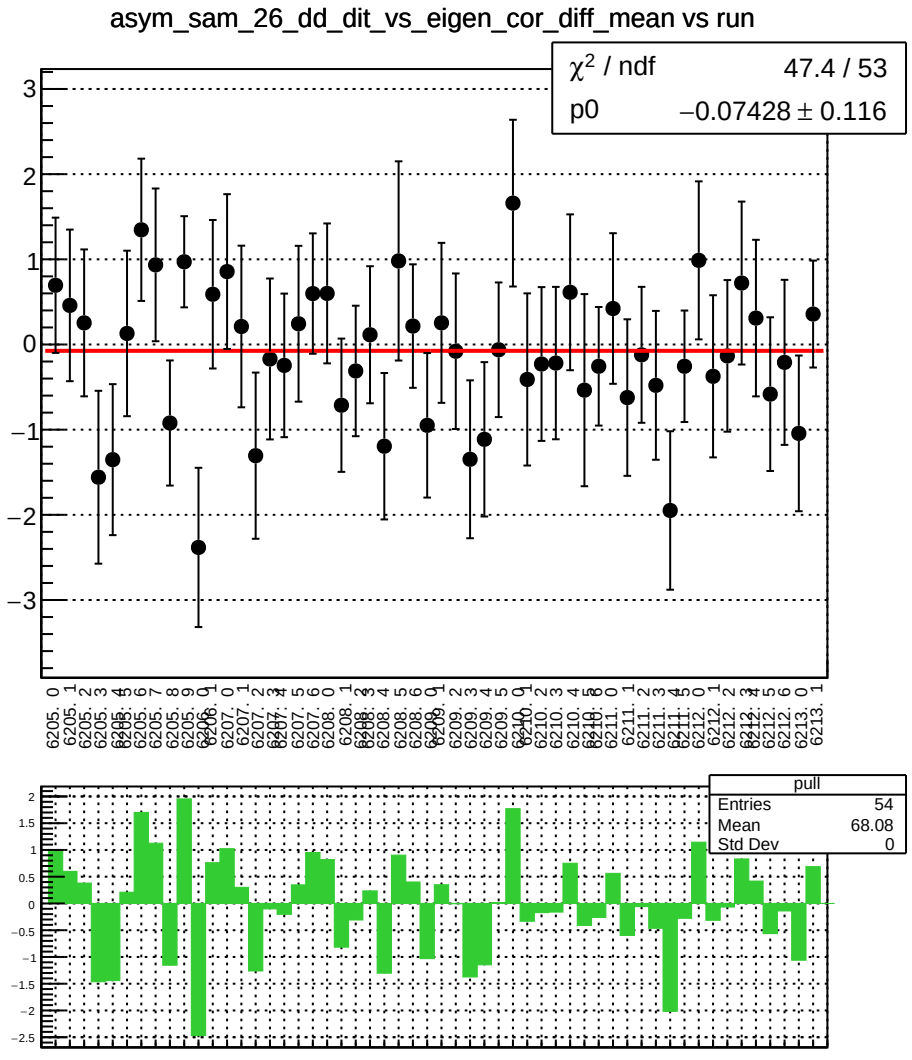

pull1D
Entries 54
Mean 0.09538
Std Dev 0.9738
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

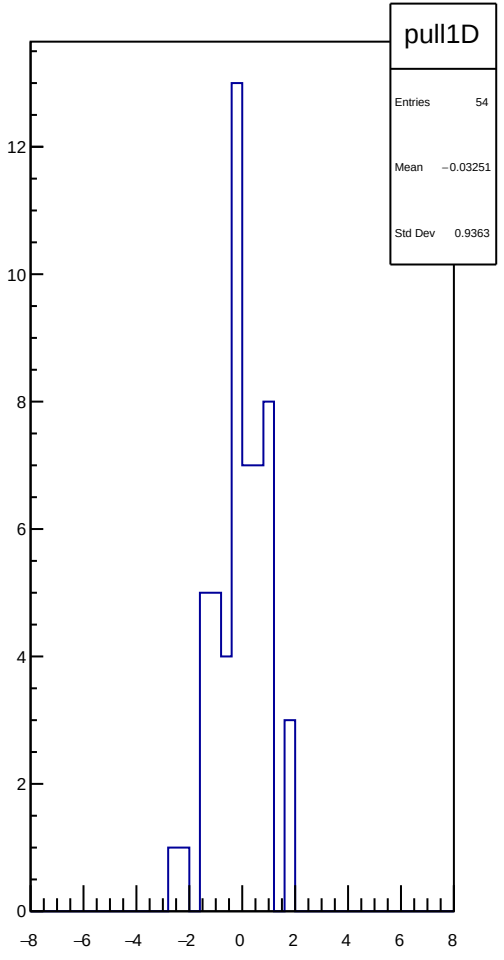

asym_sam_26_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.571e+05 / 53
p0 2.094e−10 ± 2.954e−13
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0

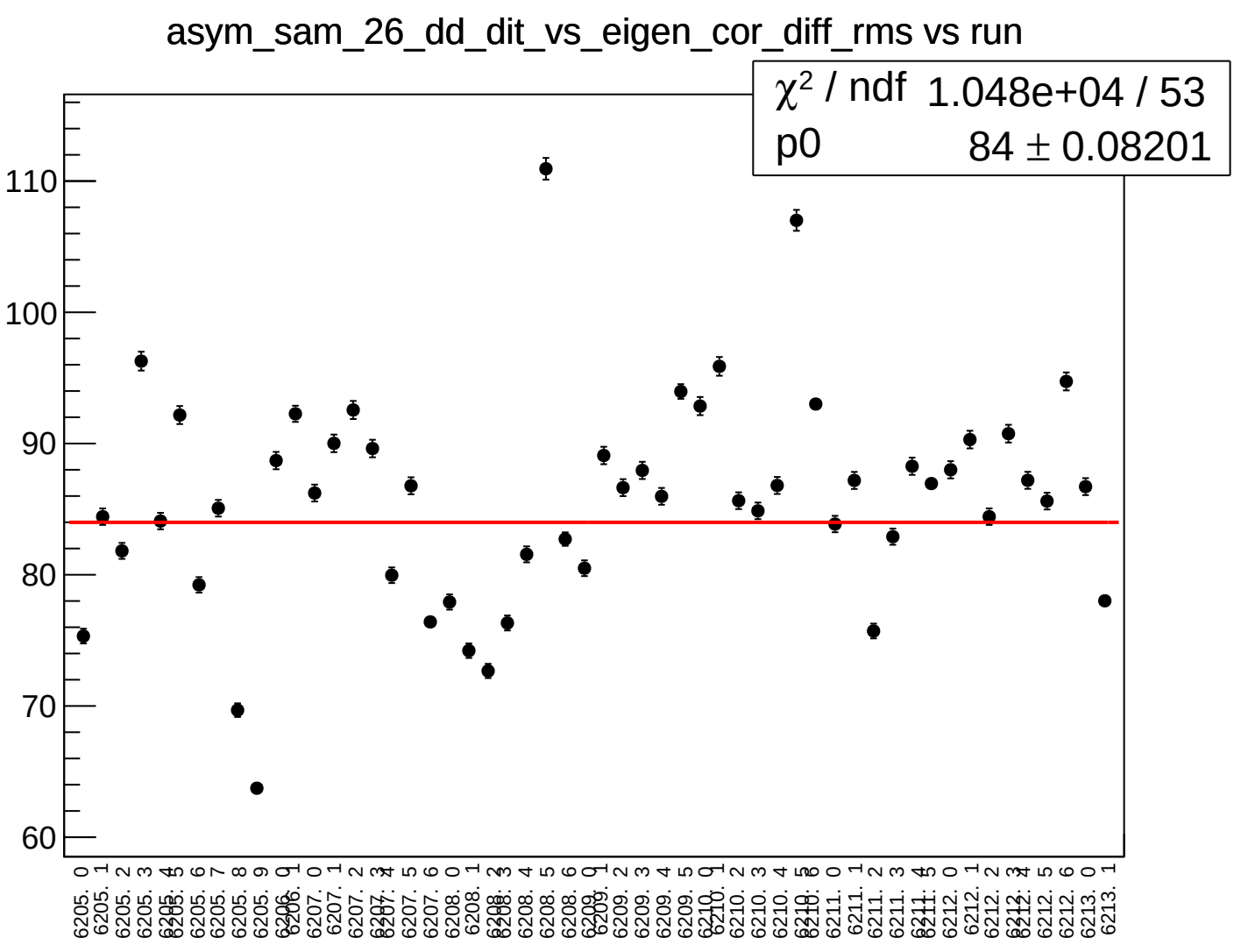

asym_sam_26_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 47.4 / 53
p0 −0.07428 ± 0.116
pull
Entries 54
Mean 68.08
Std Dev 0

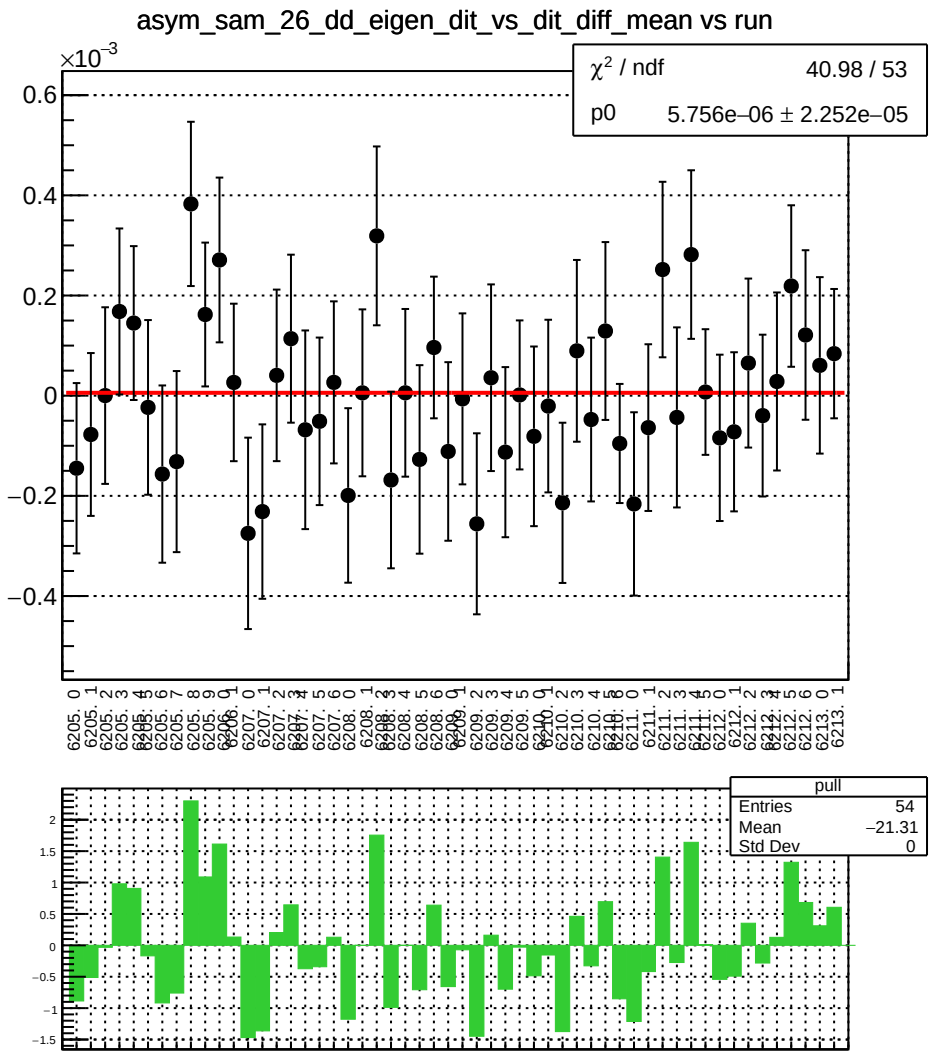

pull1D
Entries 54
Mean −0.03251
Std Dev 0.9363

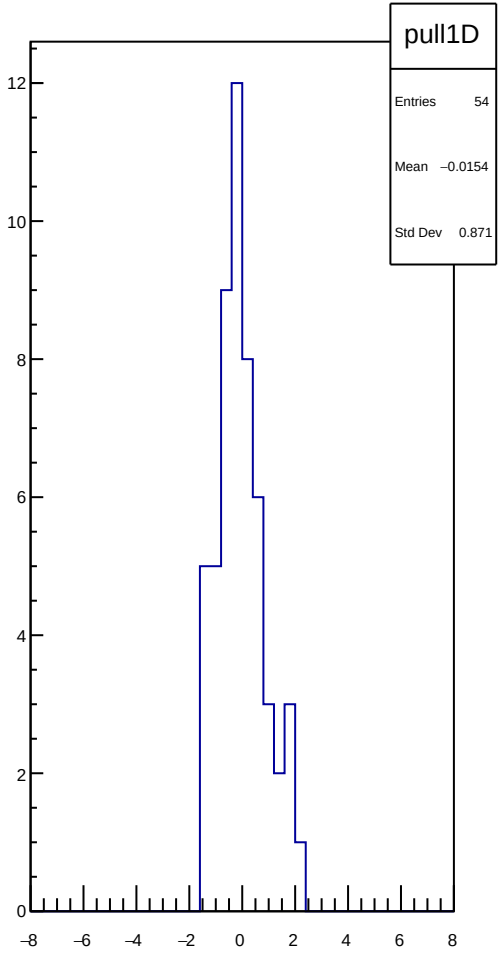

asym_sam_26_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.048e+04 / 53
p0 84 ± 0.08201
110
100
90
80
70
60
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

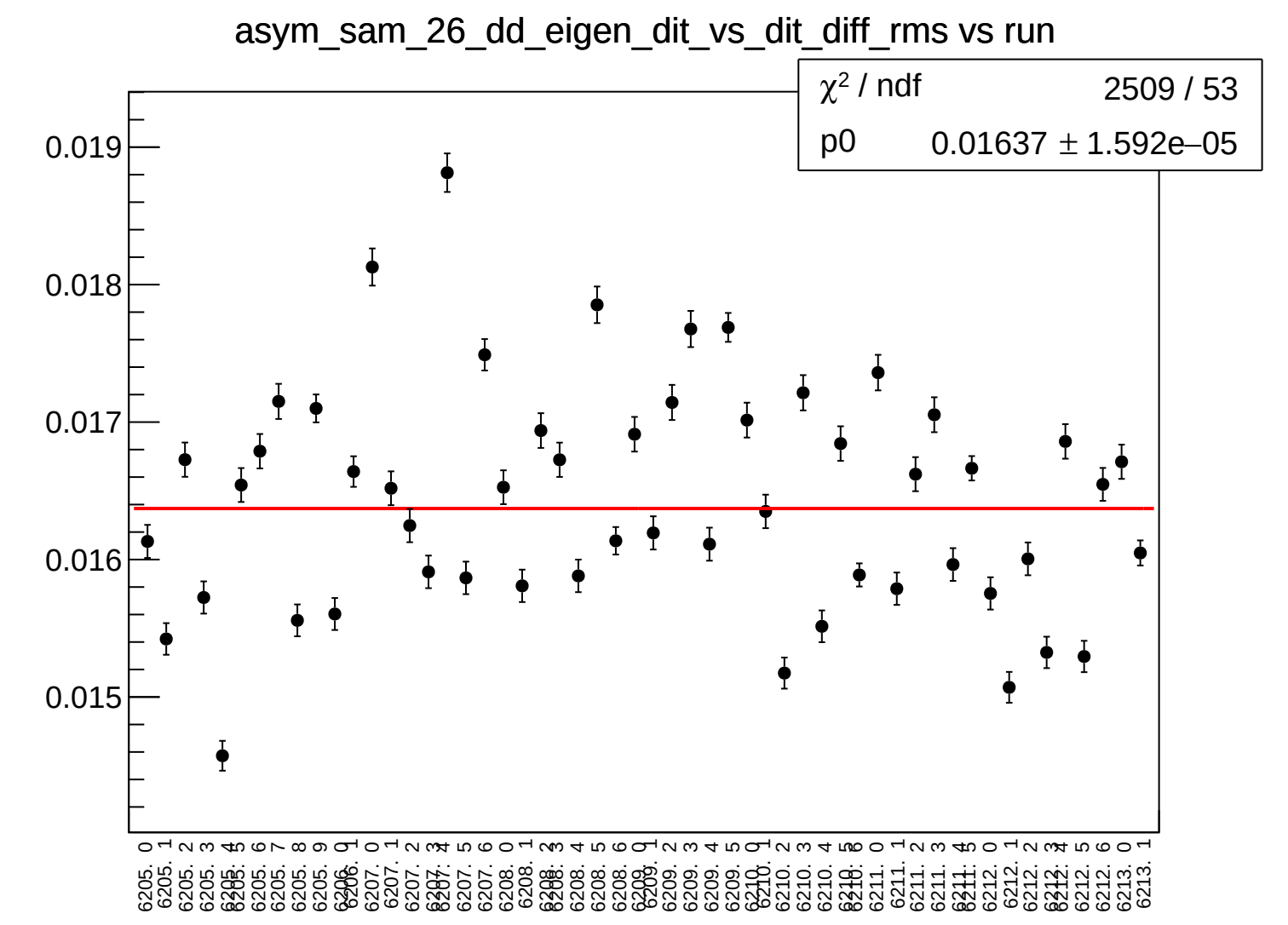

asym_sam_26_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 47.4 / 53
p0 −0.07428 ± 0.116
pull
Entries 54
Mean 68.08
Std Dev 0

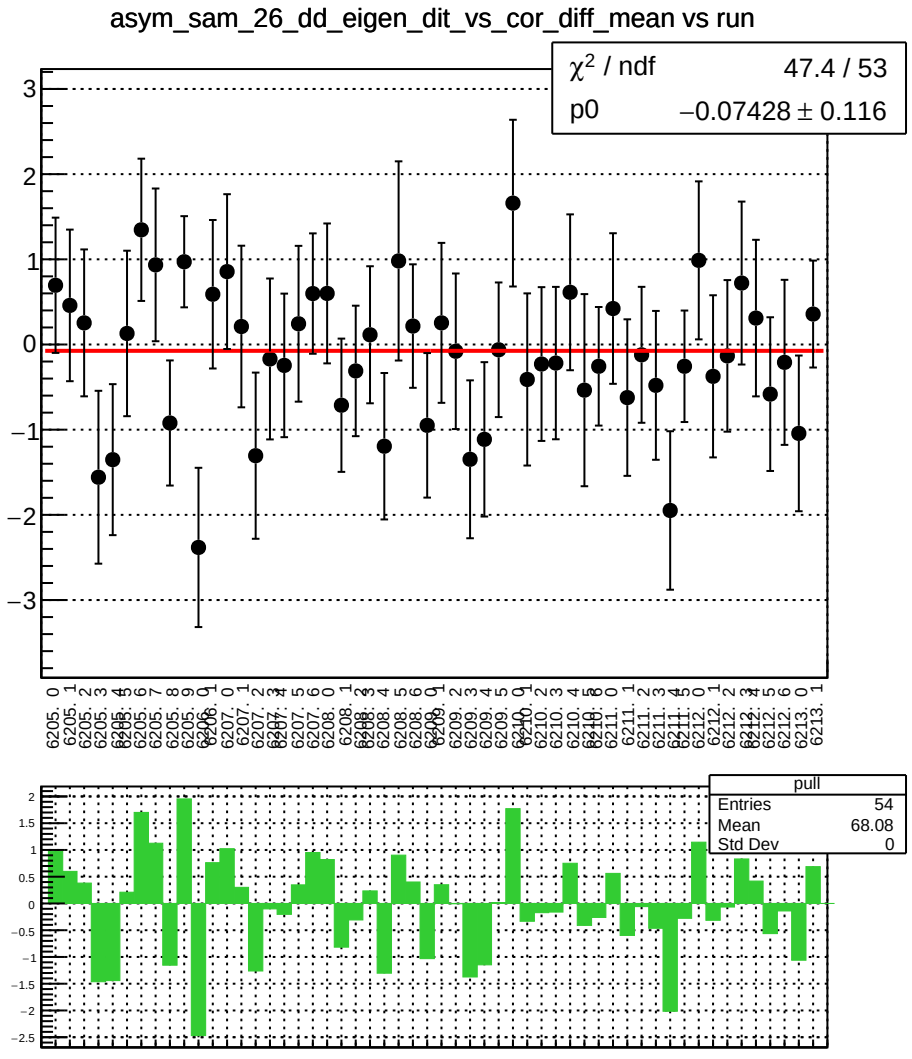

pull1D
Entries 54
Mean −0.03251
Std Dev 0.9363

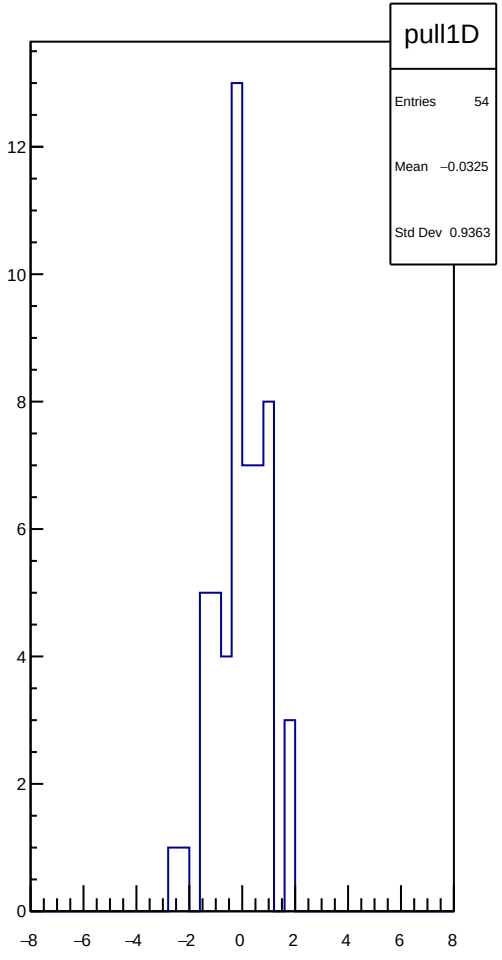

asym_sam_26_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.048e+04 / 53
p0 84 ± 0.08201
110
100
90
80
70
60
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

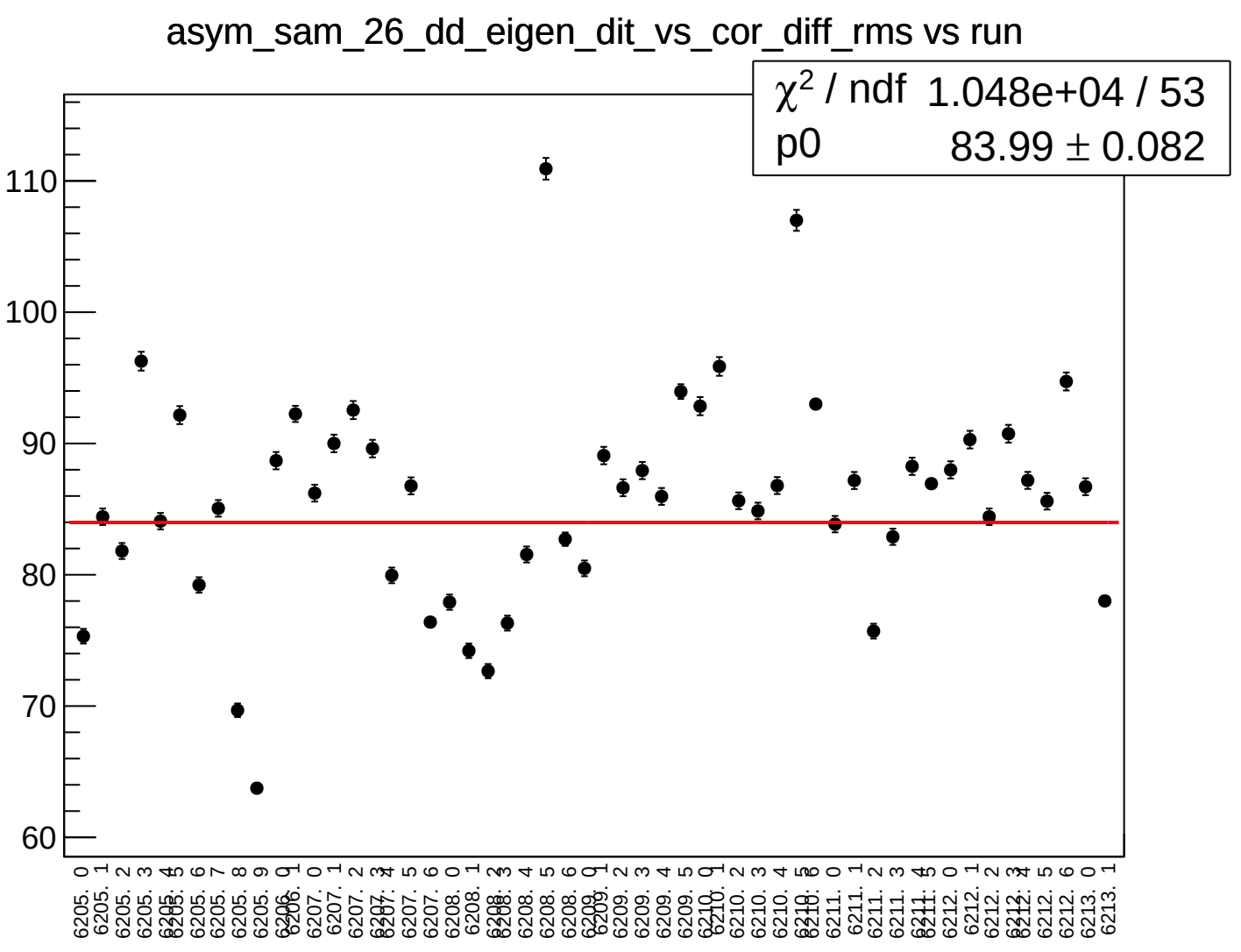

asym_sam_26_dd_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 40.98 / 53
p0 5.756e−06 ± 2.252e−05
pull
Entries 54
Mean −21.31
Std Dev 0

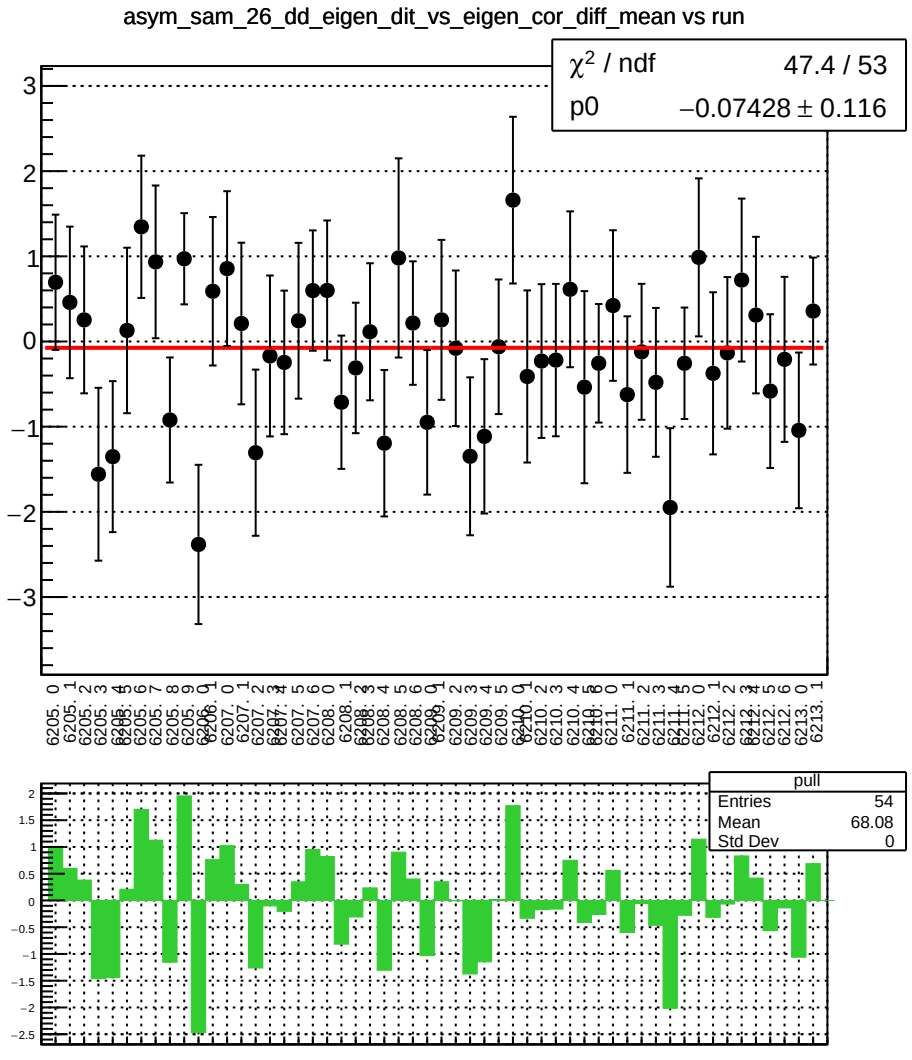

pull1D
Entries 54
Mean −0.0154
Std Dev 0.871

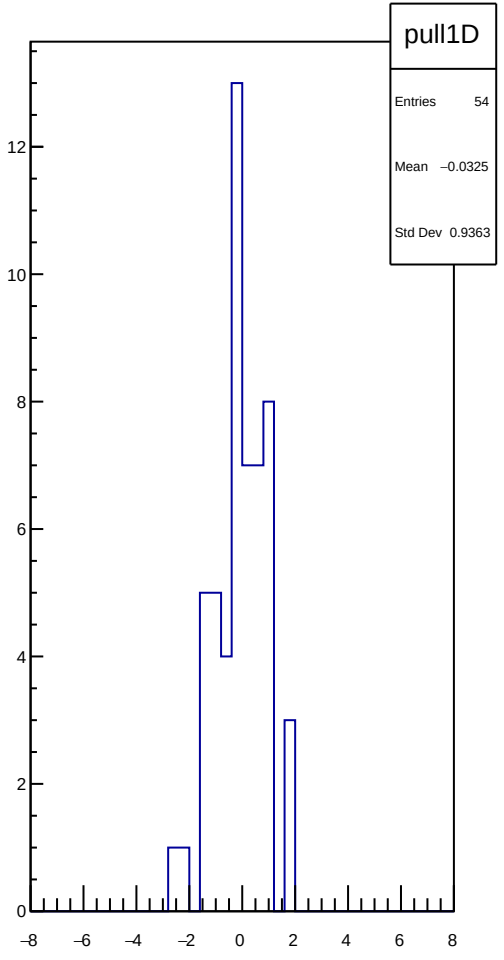

asym_sam_26_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2509 / 53
p0 0.01637 ± 1.592e–05
0.019
0.018
0.017
0.016
0.015
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

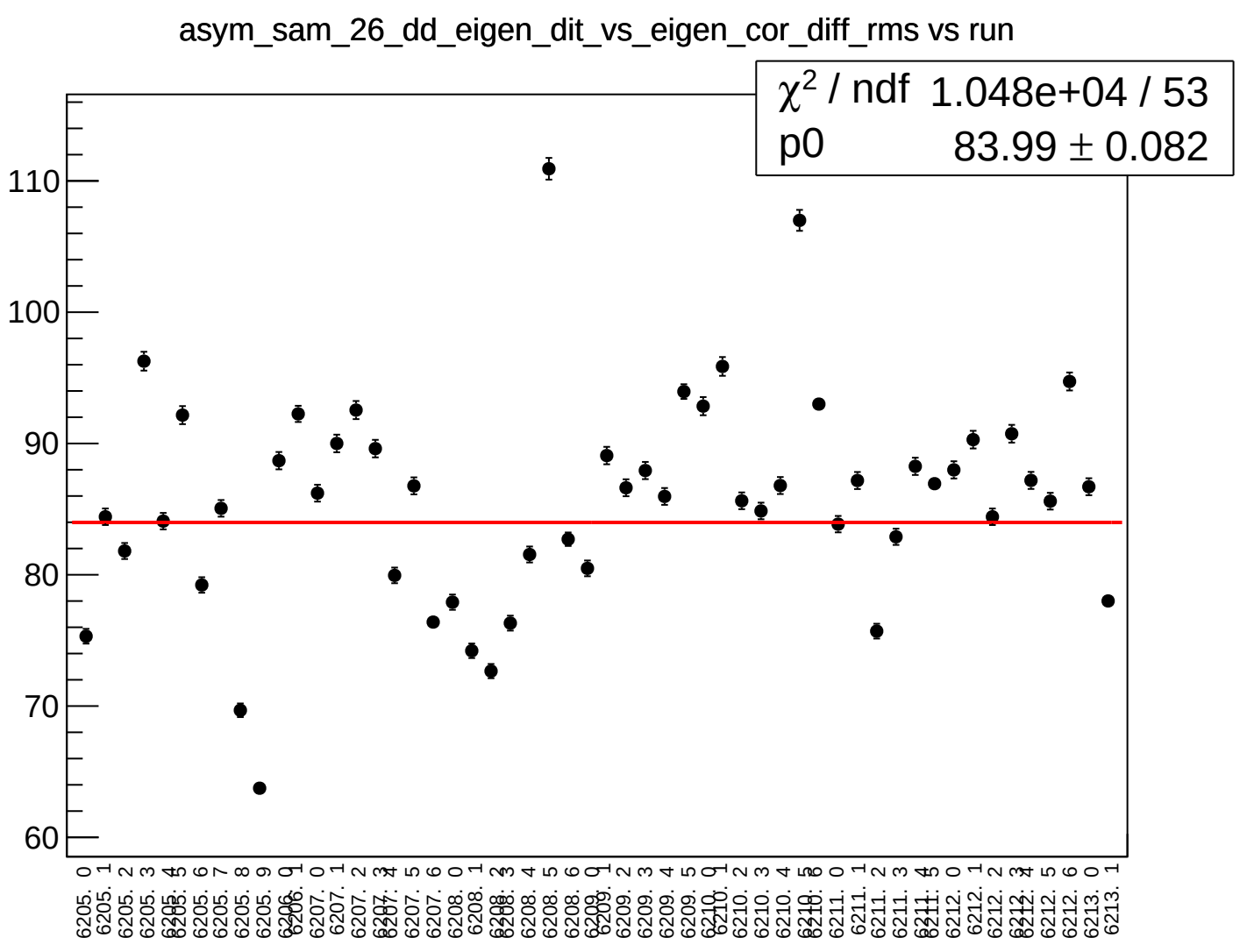

asym_sam_26_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 47.4 / 53
p0 −0.07428 ± 0.116
pull
Entries 54
Mean 68.08
Std Dev 0

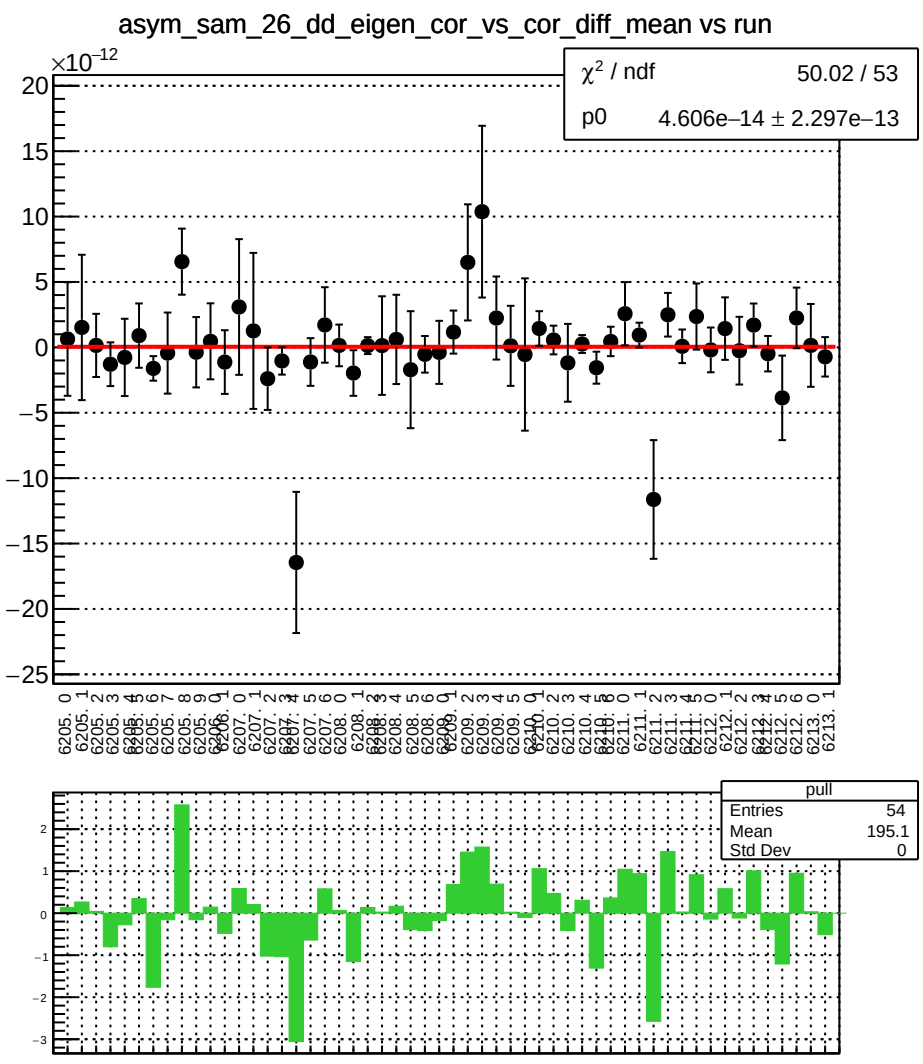

pull1D
Entries 54
Mean −0.0325
Std Dev 0.9363

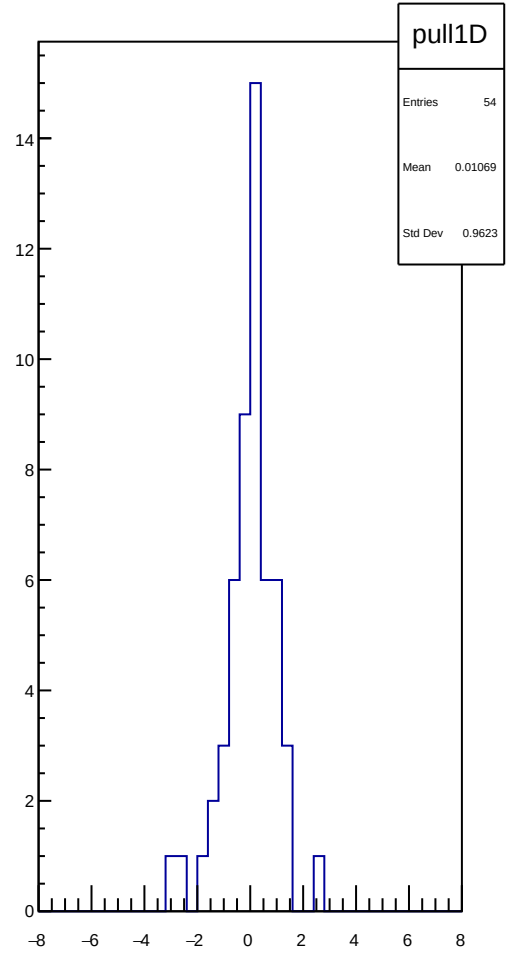

asym_sam_26_dd_eigen_dit_vs_cor_diff_rms vs run
χ^2 / ndf 1.048e+04 / 53
p0 83.99 ± 0.082
110
100
90
80
70
60
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

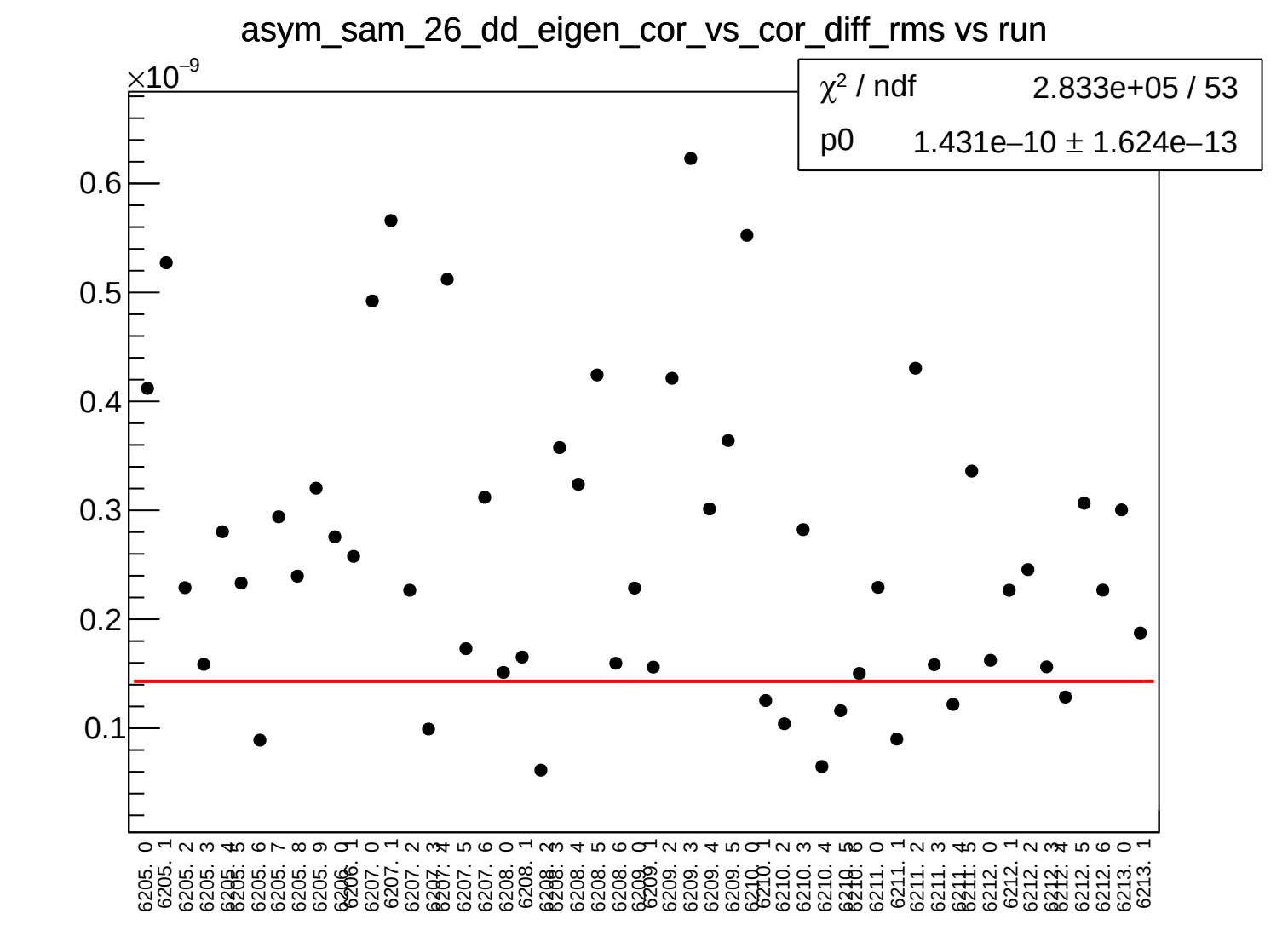

asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 47.4 / 53
p0 −0.07428 ± 0.116
pull
Entries 54
Mean 68.08
Std Dev 0

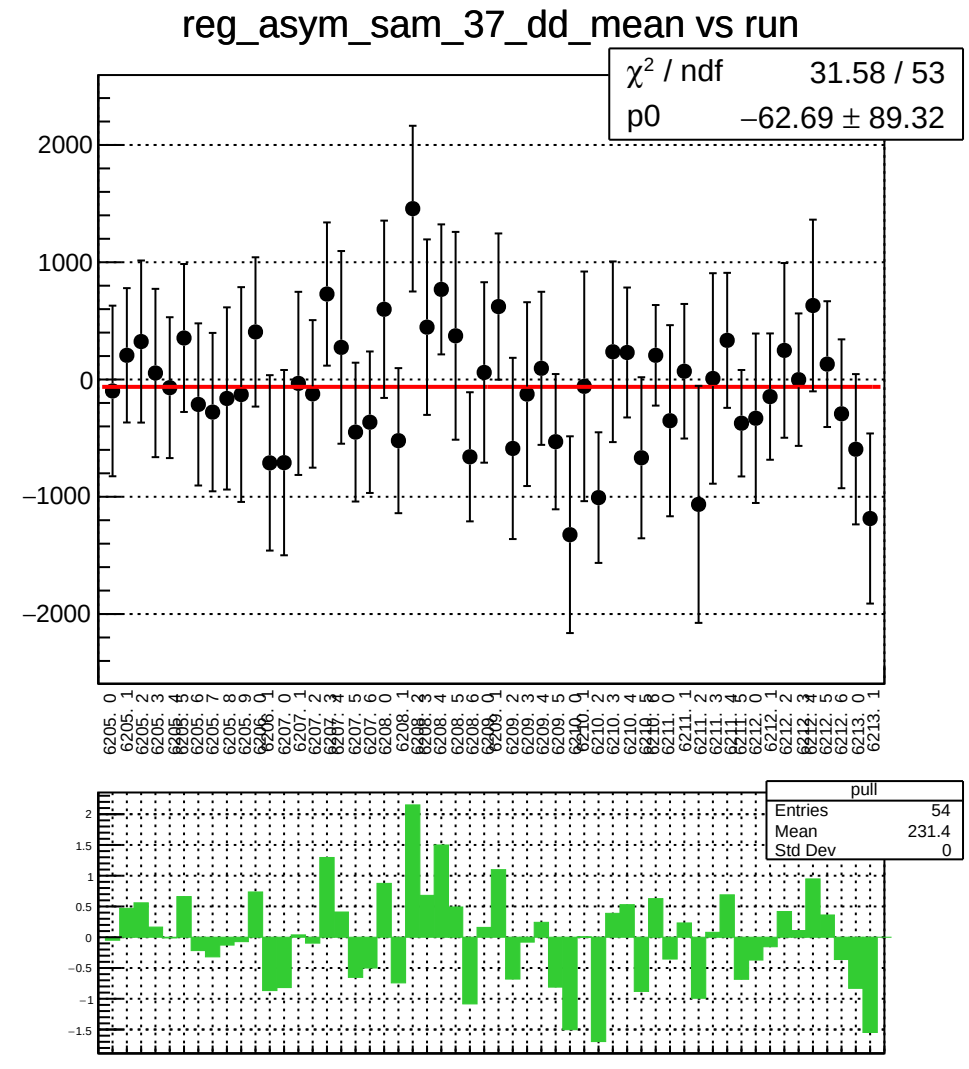

pull1D
Entries 54
Mean −0.0325
Std Dev 0.9363

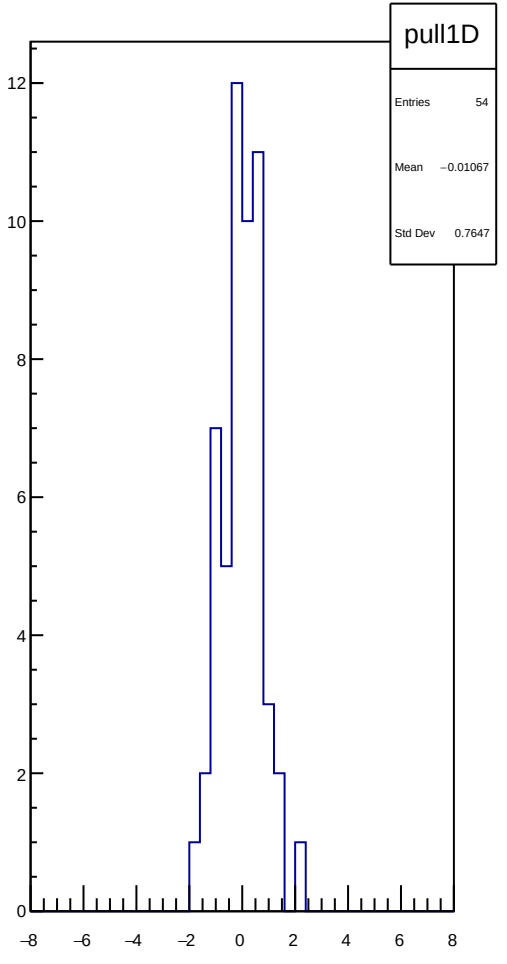

asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.048e+04 / 53
p0 83.99 ± 0.082
110
100
90
80
70
60
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_sam_26_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 50.02 / 53
p0 4.606e−14 ± 2.297e−13
pull
Entries 54
Mean 195.1
Std Dev 0


pull1D
Entries 54
Mean 0.01069
Std Dev 0.9623


asym_sam_26_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.833e+05 / 53
p0 1.431e−10 ± 1.624e−13
0.6
0.5
0.4
0.3
0.2
0.1
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


reg_asym_sam_37_dd_mean vs run
χ² / ndf 31.58 / 53
p0 −62.69 ± 89.32
2000
1000
0
−1000
−2000
pull
Entries 54
Mean 231.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 54
Mean −0.01067
Std Dev 0.7647
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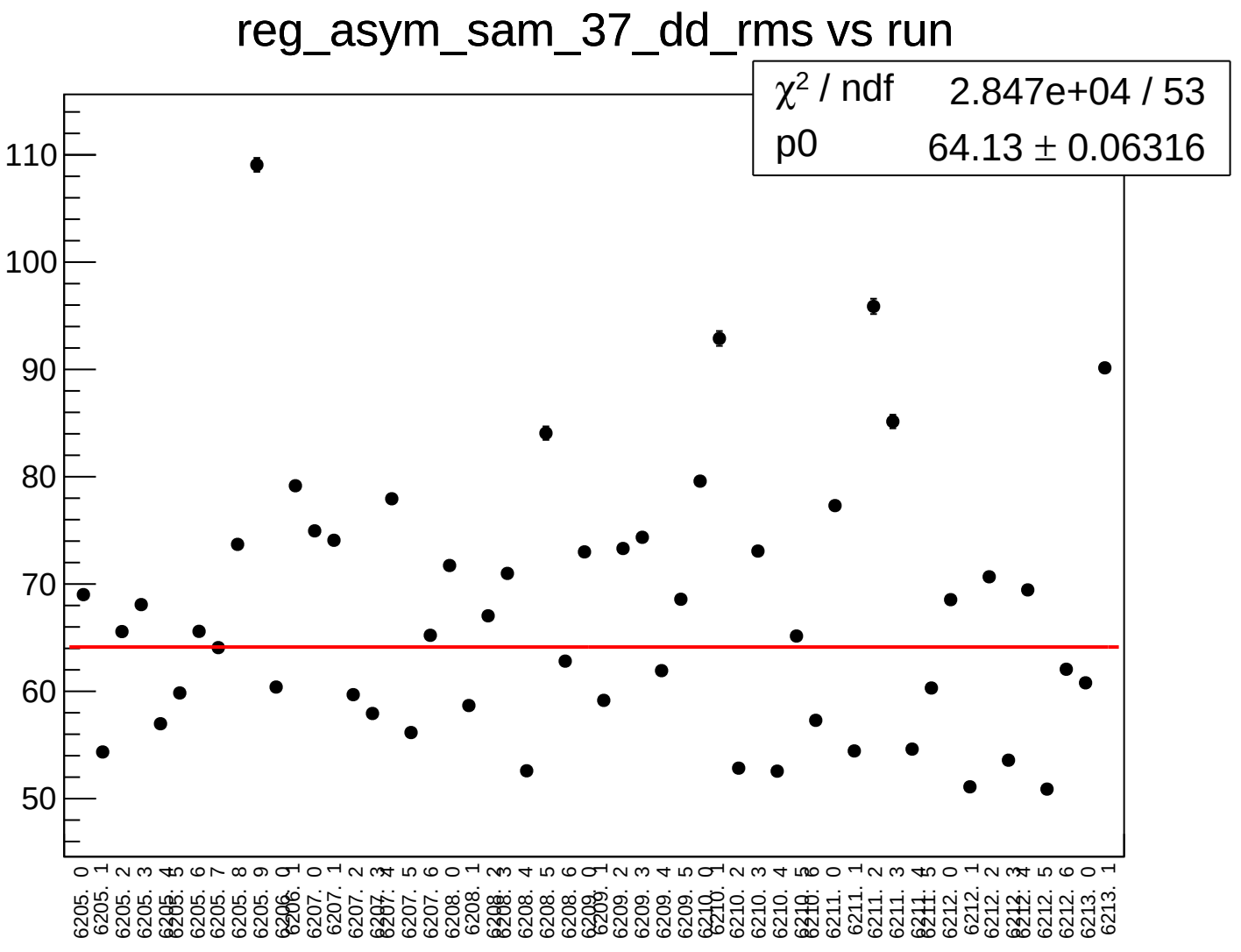
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_sam_37_dd_rms vs run
χ^2 / ndf 2.847e+04 / 53
p0 64.13 ± 0.06316
110
100
90
80
70
60
50
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
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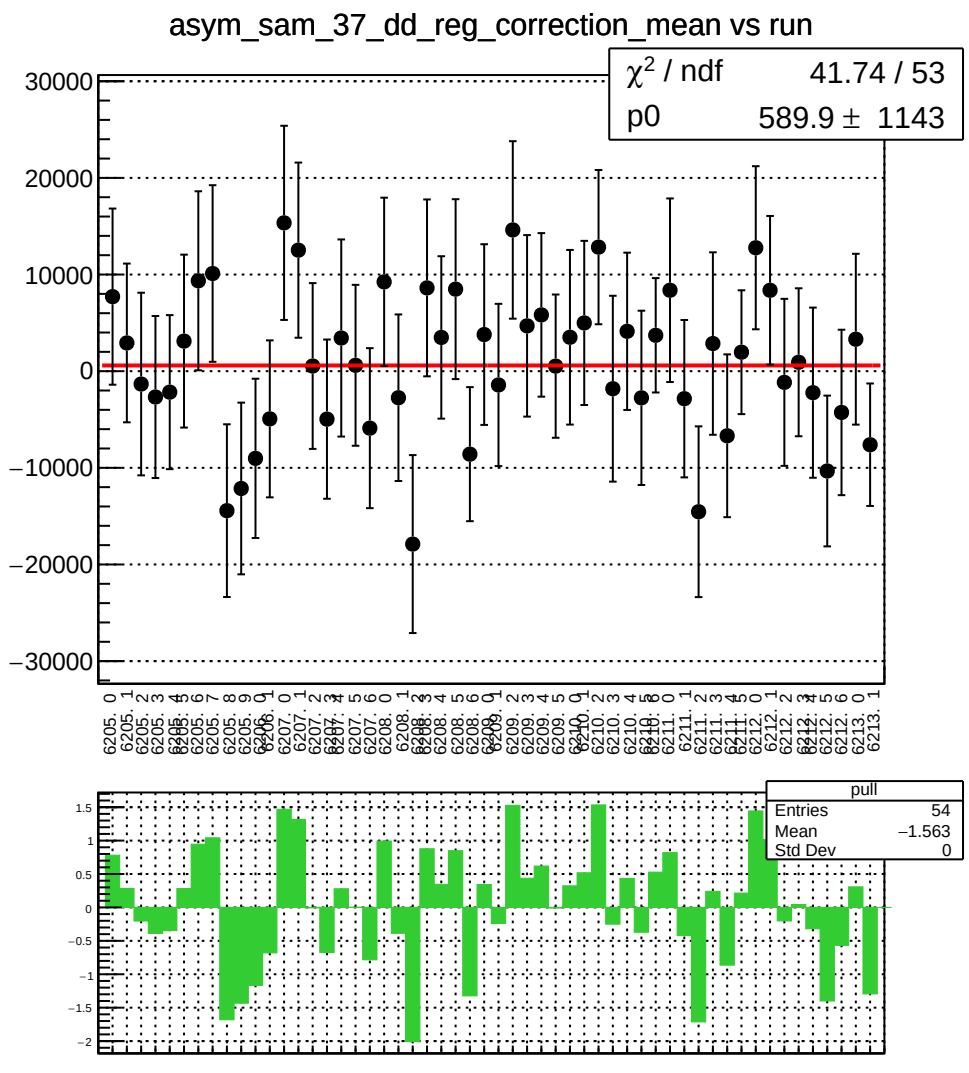
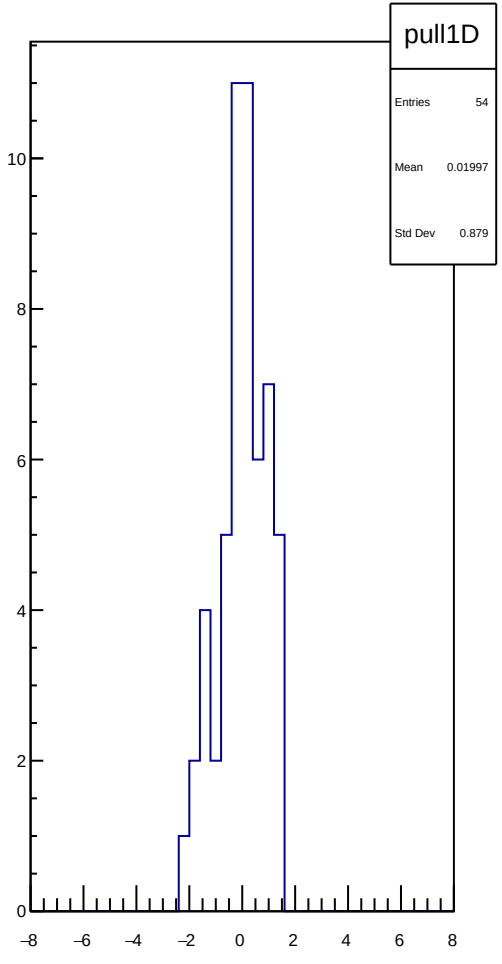
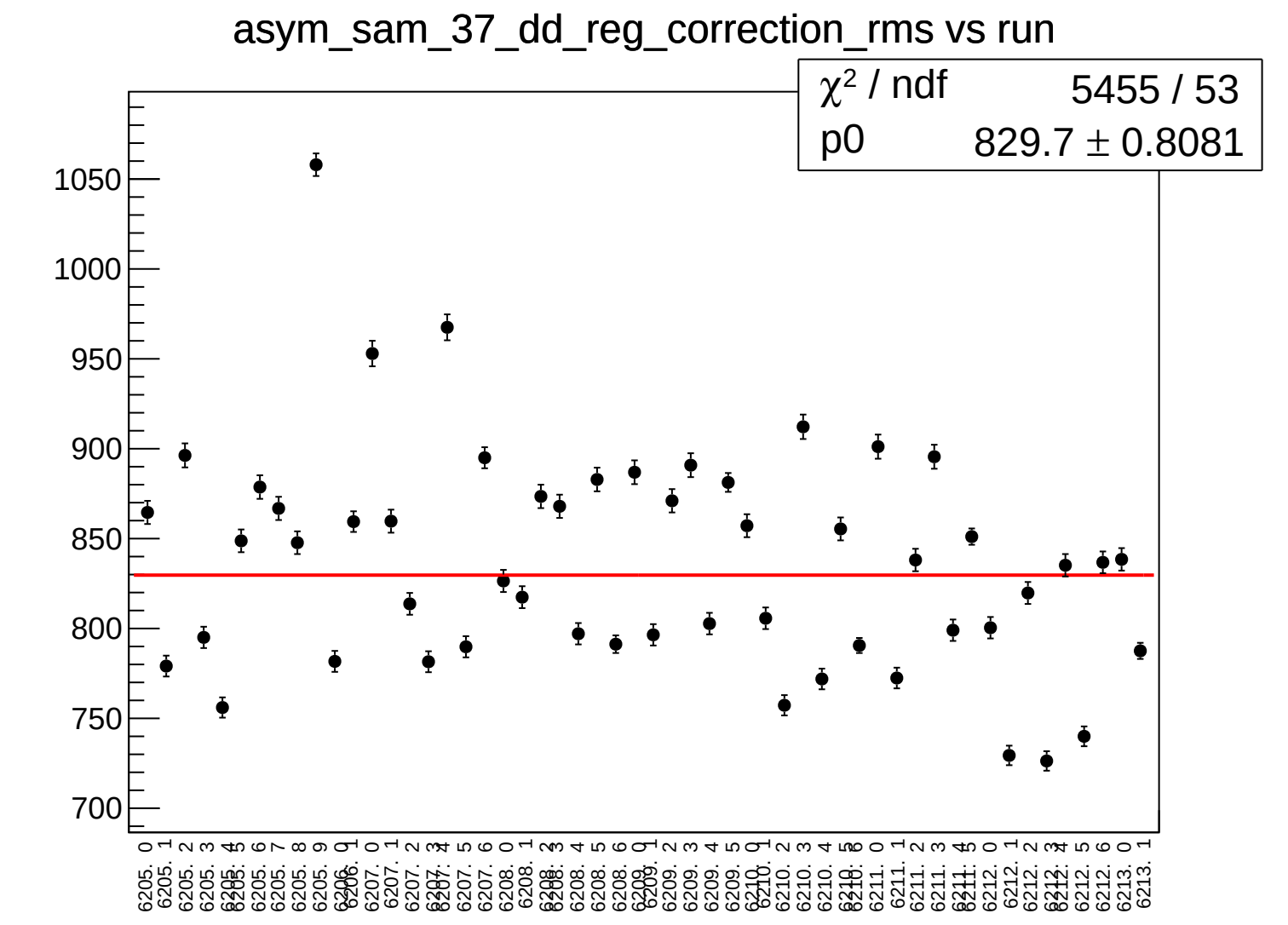
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_sam_37_dd_reg_correction_mean vs run
χ² / ndf 41.74 / 53
p0 589.9 ± 1143
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 54
Mean −1.563
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 54
Mean 0.01997
Std Dev 0.879
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_37_dd_reg_correction_rms vs run
χ² / ndf 5455 / 53
p0 829.7 ± 0.8081
1050
1000
950
900
850
800
750
700
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
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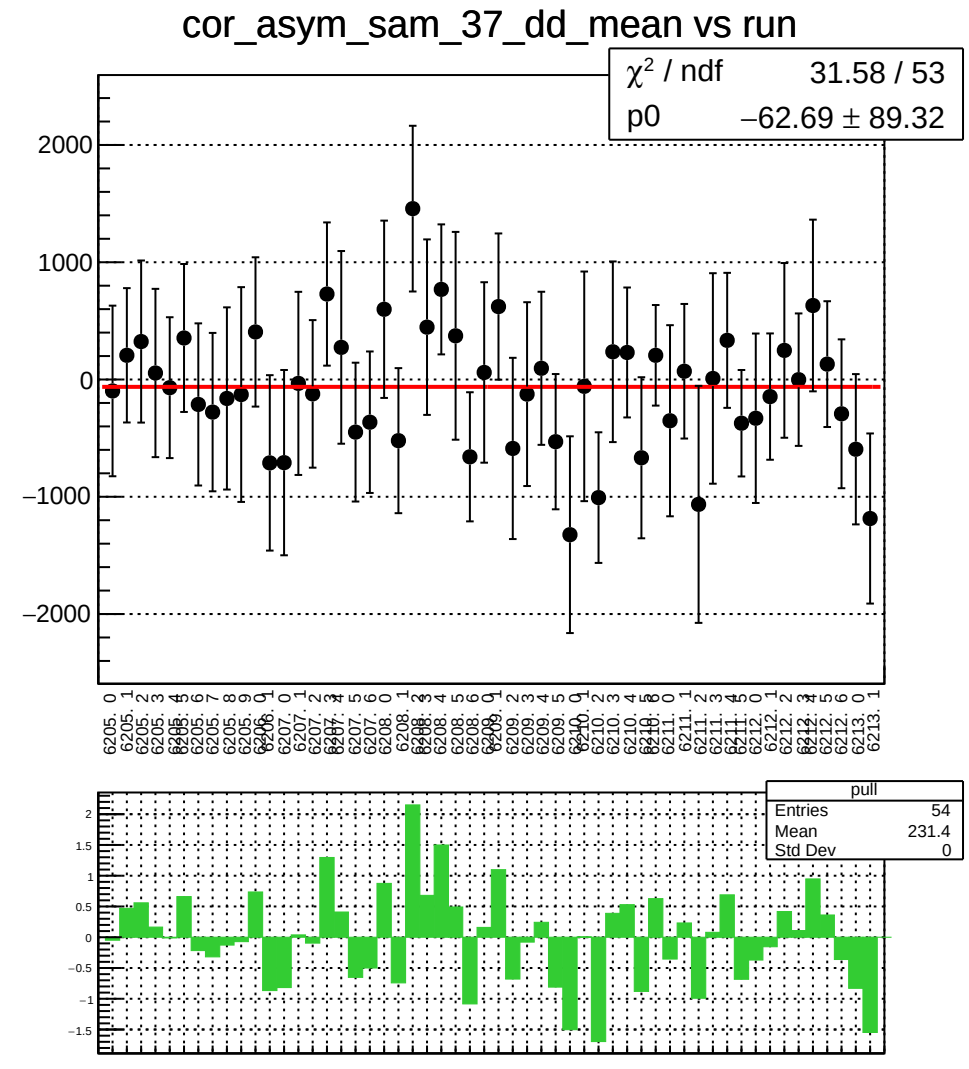
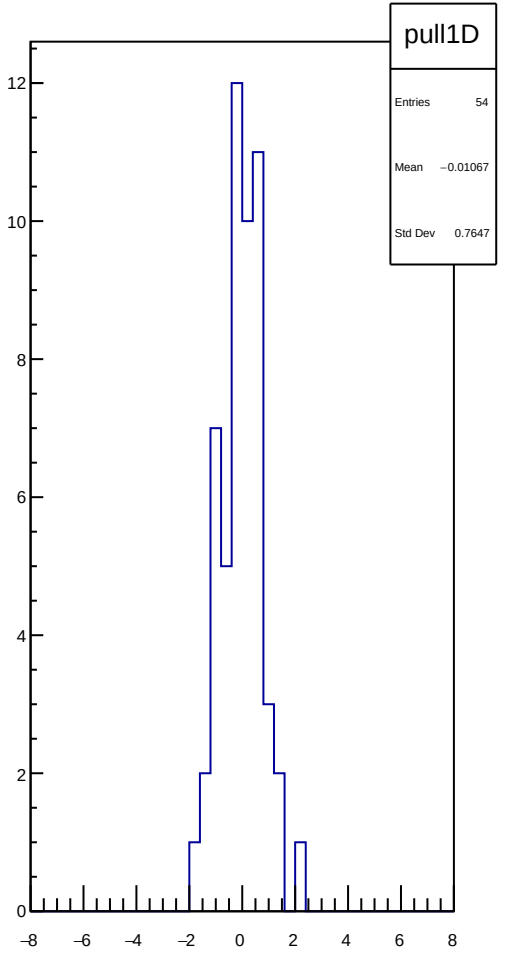
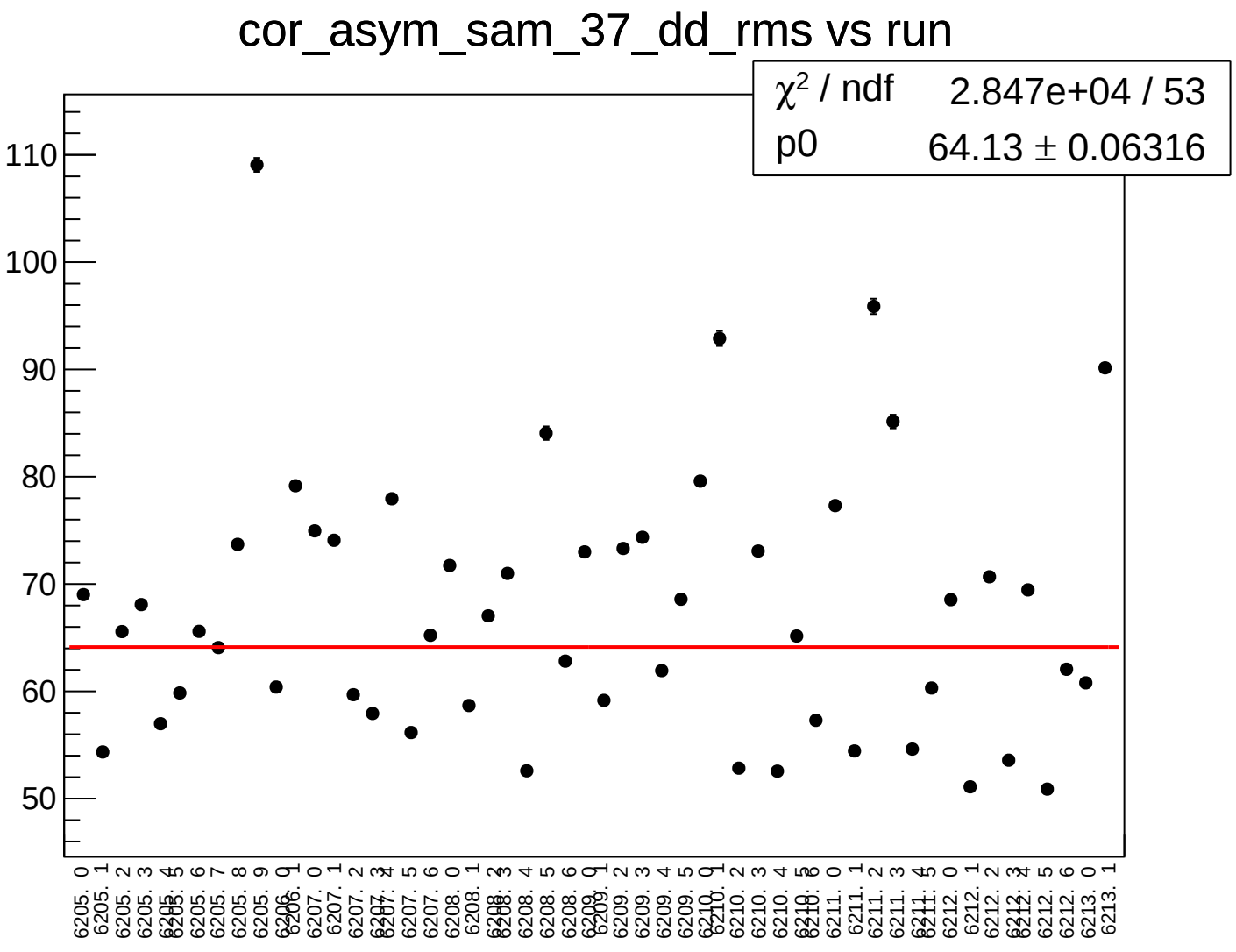
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


cor_asym_sam_37_dd_mean vs run
χ² / ndf 31.58 / 53
p0 −62.69 ± 89.32
2000
1000
0
−1000
−2000
pull
Entries 54
Mean 231.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 54
Mean −0.01067
Std Dev 0.7647
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_sam_37_dd_rms vs run
χ^2 / ndf 2.847e+04 / 53
p0 64.13 ± 0.06316
110
100
90
80
70
60
50
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
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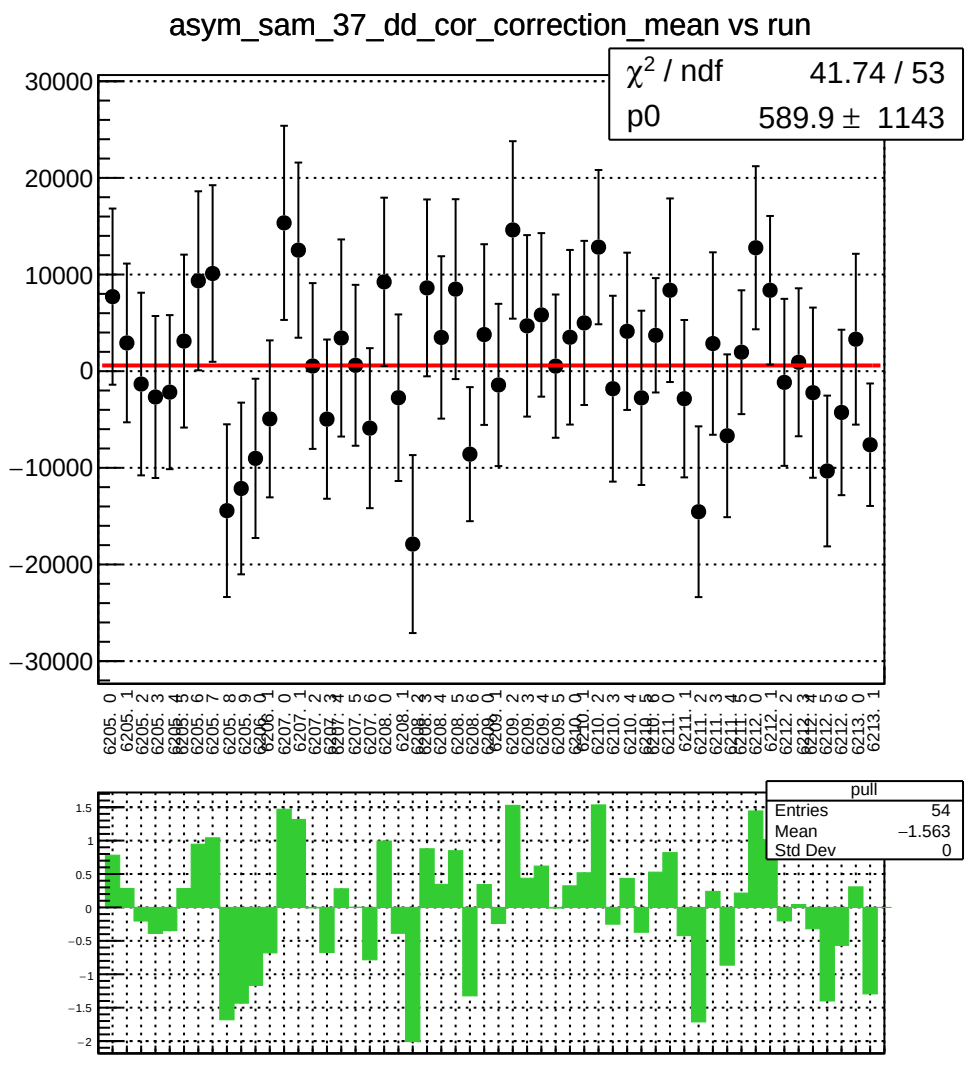
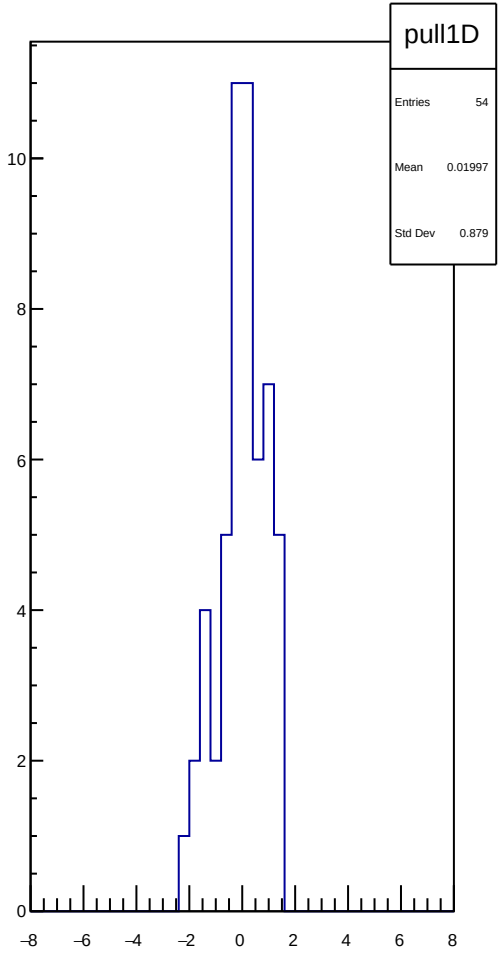
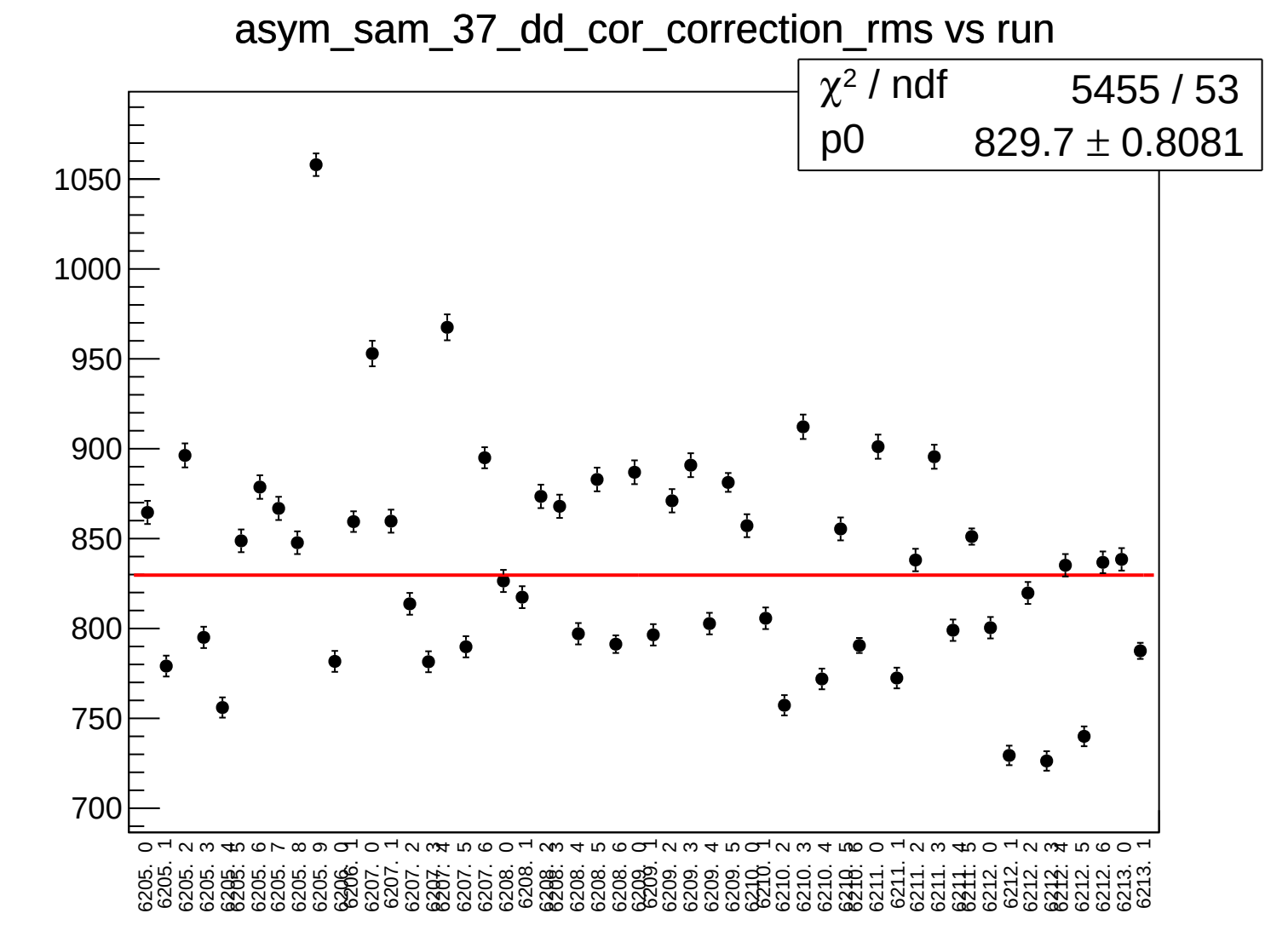
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_sam_37_dd_cor_correction_mean vs run
χ² / ndf 41.74 / 53
p0 589.9 ± 1143
pull
Entries 54
Mean −1.563
Std Dev 0


pull1D
Entries 54
Mean 0.01997
Std Dev 0.879


asym_sam_37_dd_cor_correction_rms vs run
χ² / ndf 5455 / 53
p0 829.7 ± 0.8081
1050
1000
950
900
850
800
750
700
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
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6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
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6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
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6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
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6212. 1
6212. 2
6212. 3
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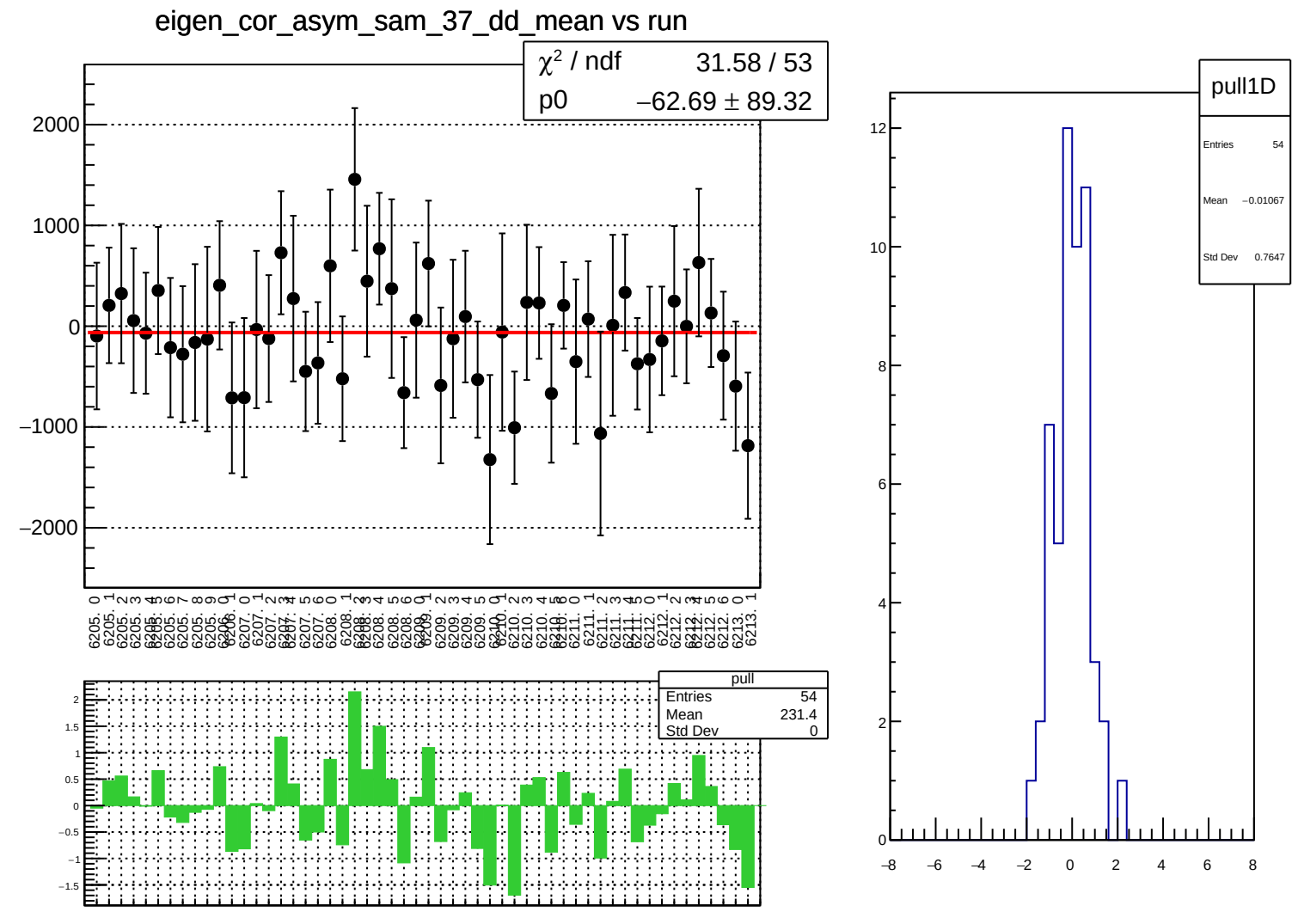
6212. 6
6213. 0
6213. 1


eigen_cor_asym_sam_37_dd_mean vs run
χ² / ndf 31.58 / 53
p0 −62.69 ± 89.32
2000
1000
0
−1000
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pull
Entries 54
Mean 231.4
Std Dev 0
pull1D
Entries 54
Mean −0.01067
Std Dev 0.7647
12
10
8
6
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2
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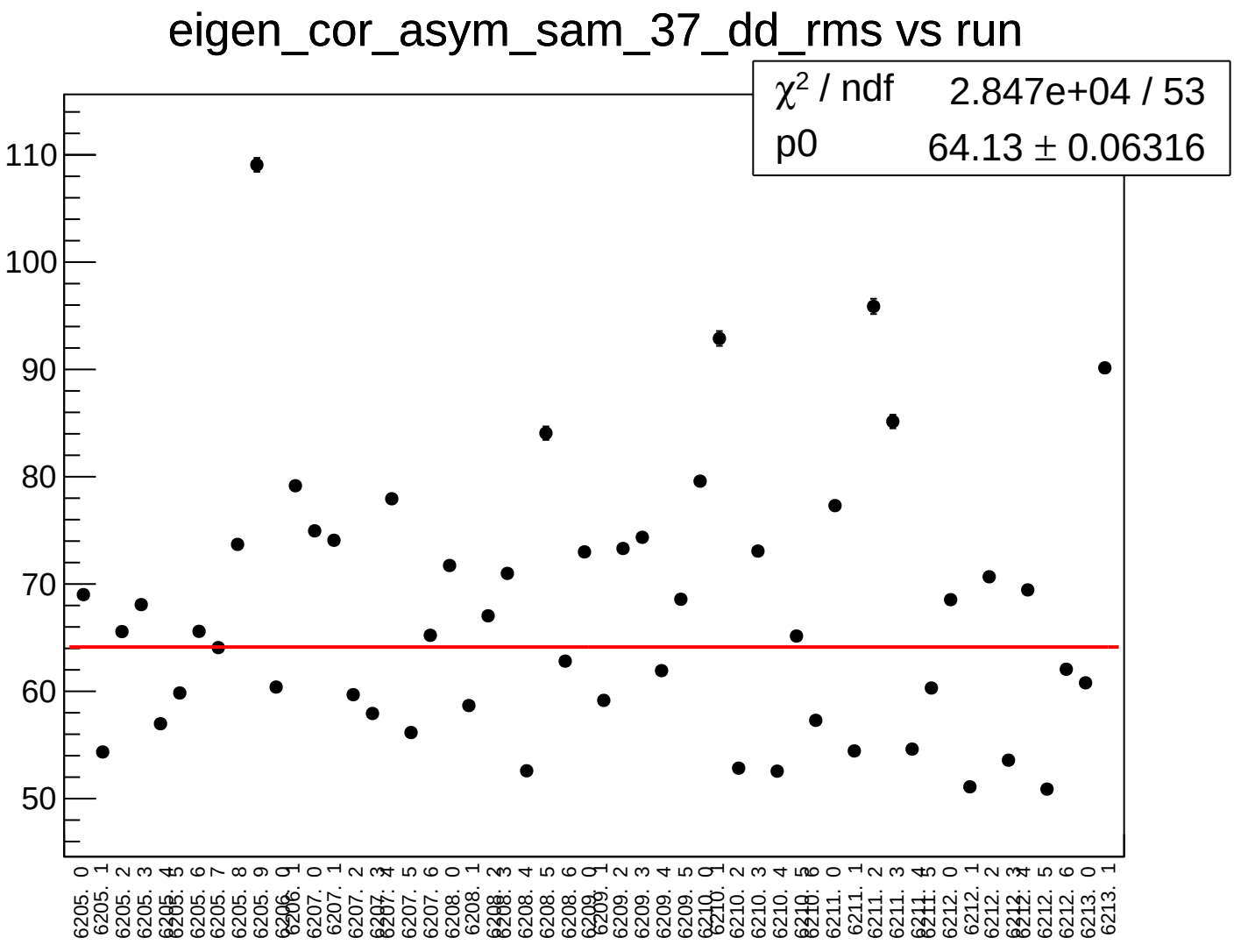
2
4
6
8


eigen_cor_asym_sam_37_dd_rms vs run
χ² / ndf 2.847e+04 / 53
p0 64.13 ± 0.06316
110
100
90
80
70
60
50
6205. 0
6205. 1
6205. 2
6205. 3
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6205. 6
6205. 7
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6208. 6
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6211. 2
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6211. 4
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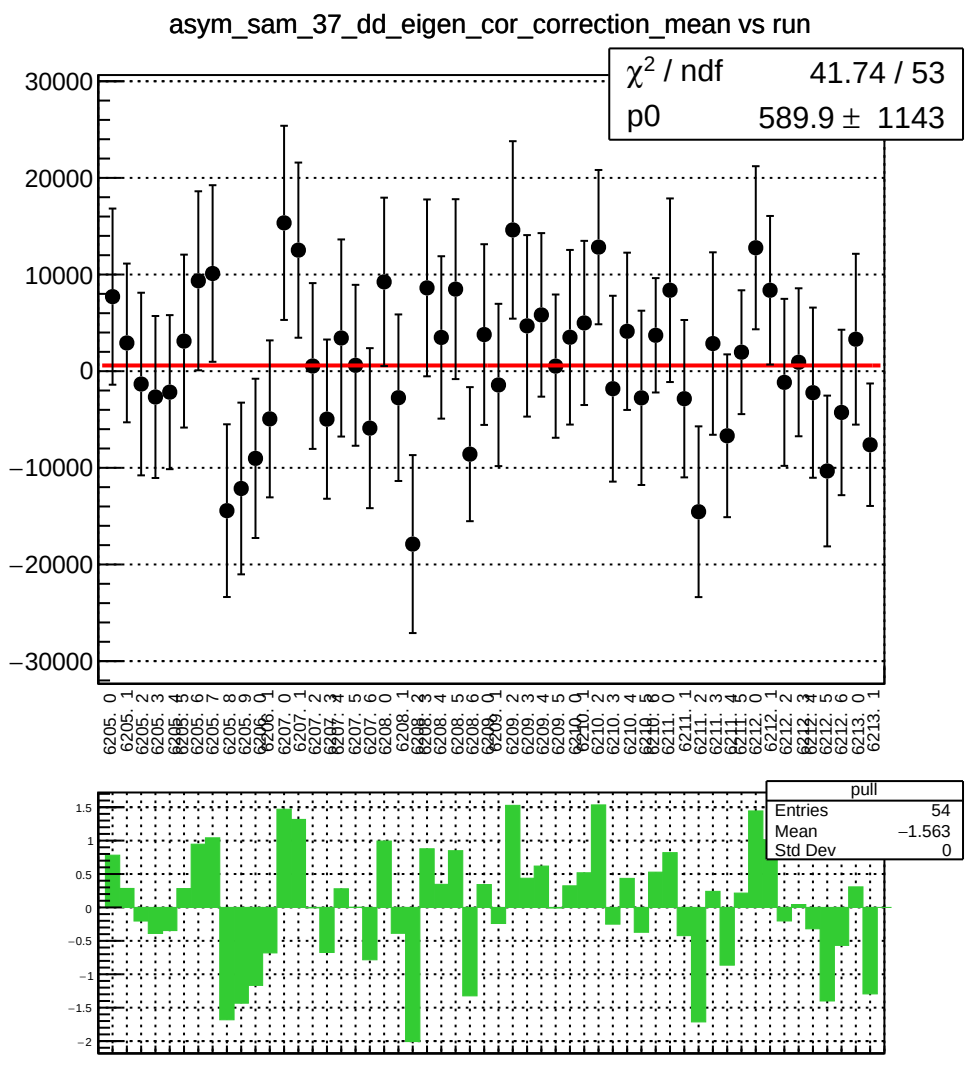
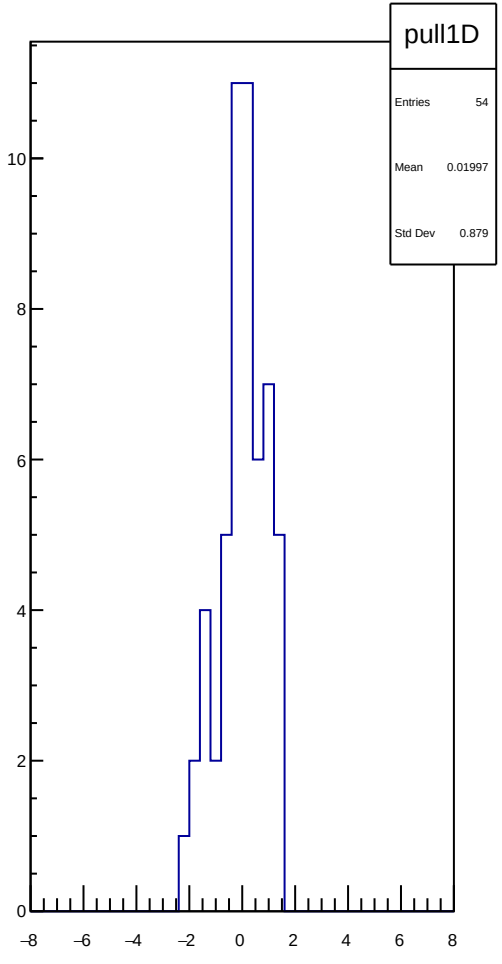
6213. 0
6213. 1


asym_sam_37_dd_eigen_cor_correction_mean vs run
χ² / ndf 41.74 / 53
p0 589.9 ± 1143
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 54
Mean −1.563
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 54
Mean 0.01997
Std Dev 0.879
10
8
6
4
2
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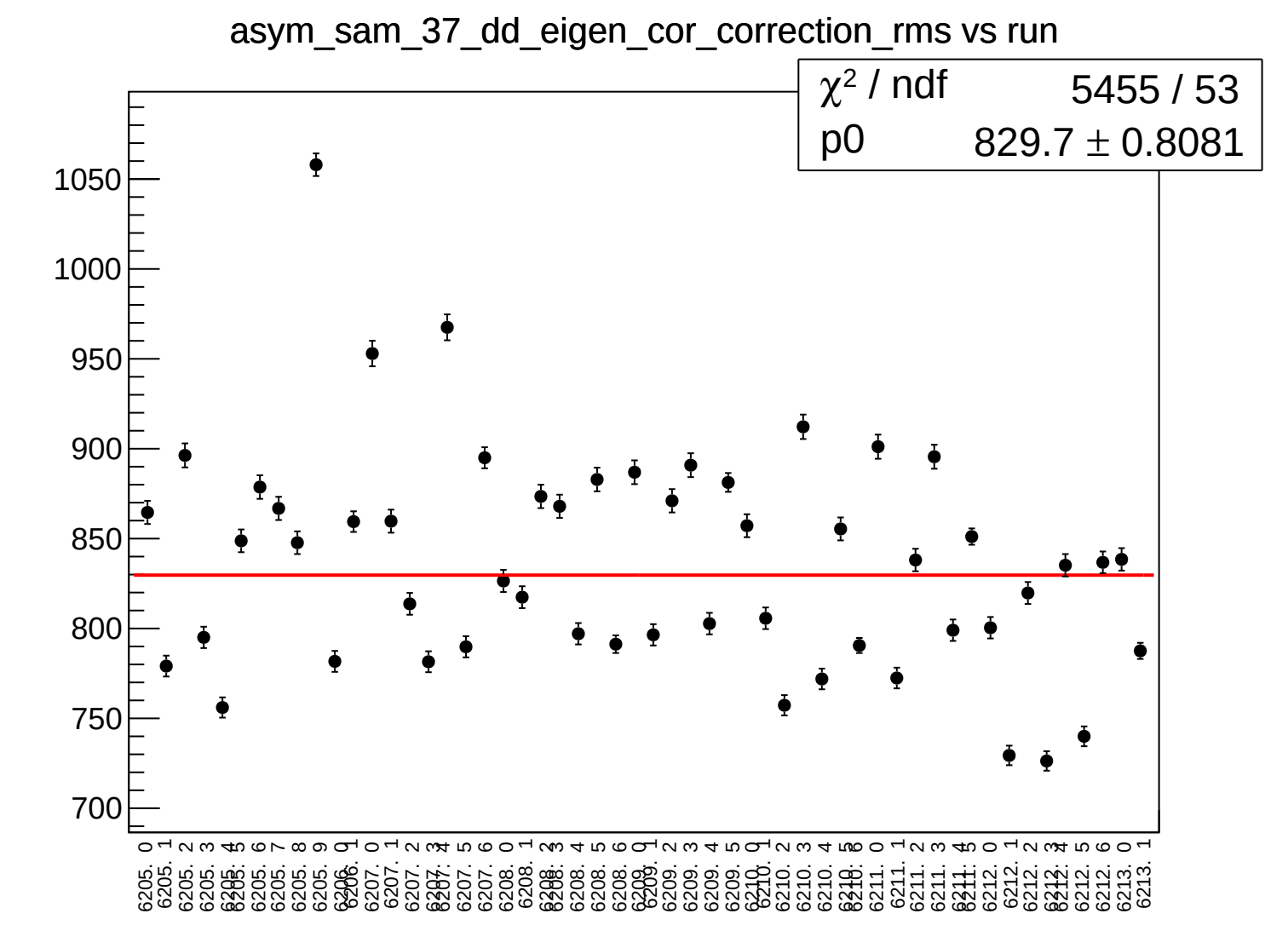
2
4
6
8


asym_sam_37_dd_eigen_cor_correction_rms vs run
χ² / ndf 5455 / 53
p0 829.7 ± 0.8081
1050
1000
950
900
850
800
750
700
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
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6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
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6207. 6
6208. 0
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6208. 2
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6208. 5
6208. 6
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6209. 2
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6209. 4
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6210. 3
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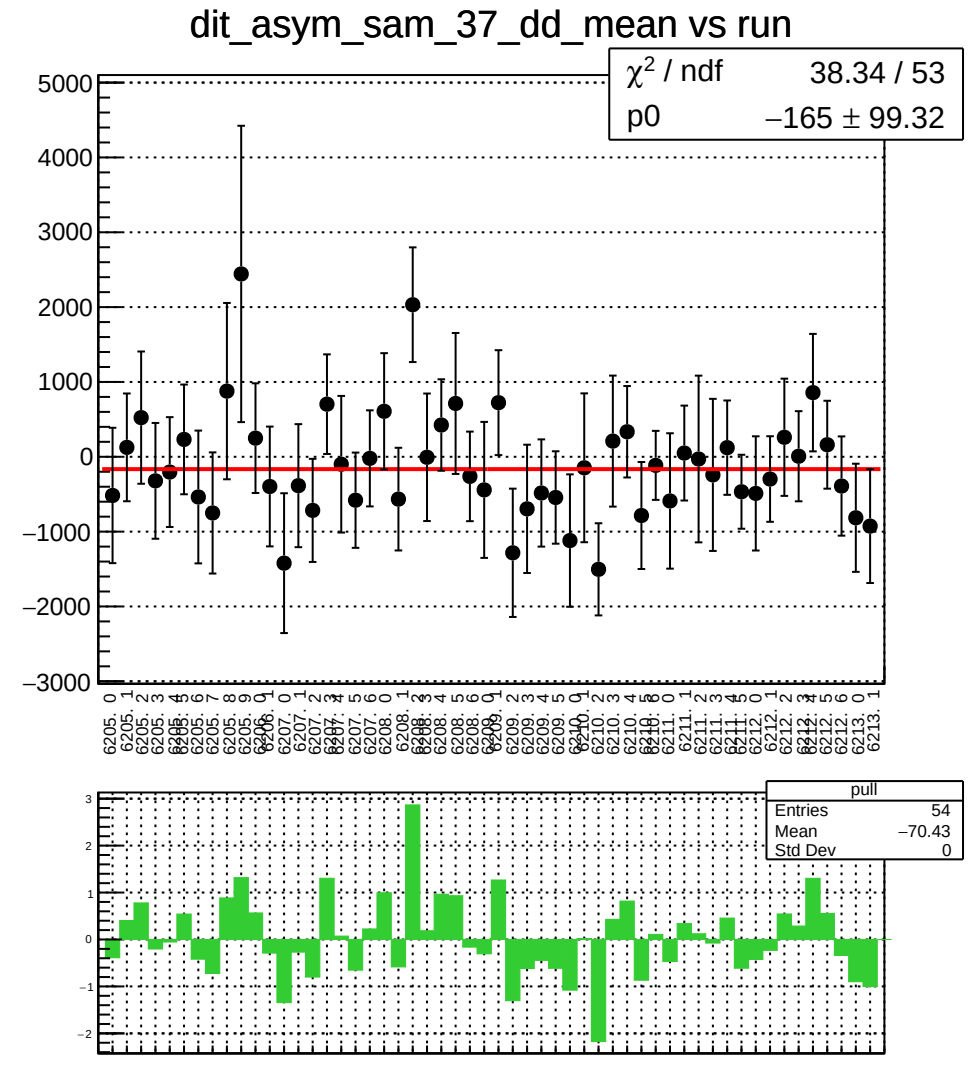
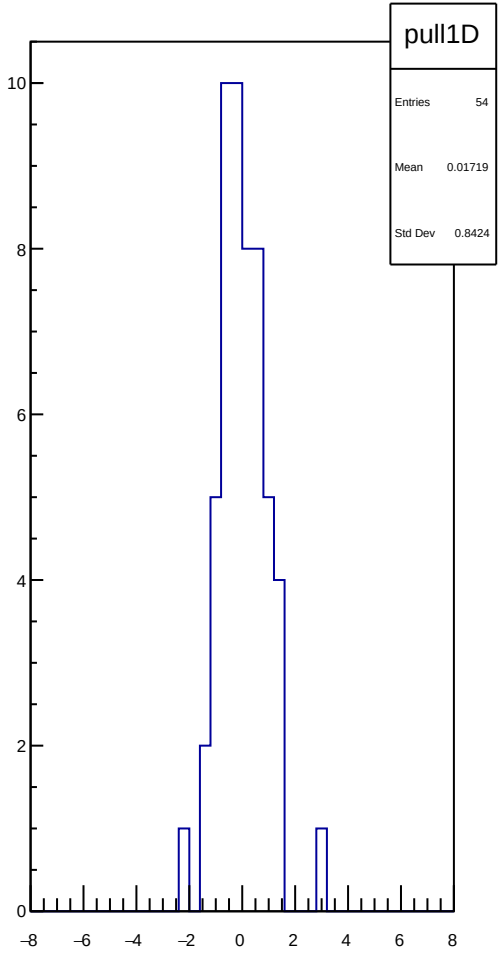
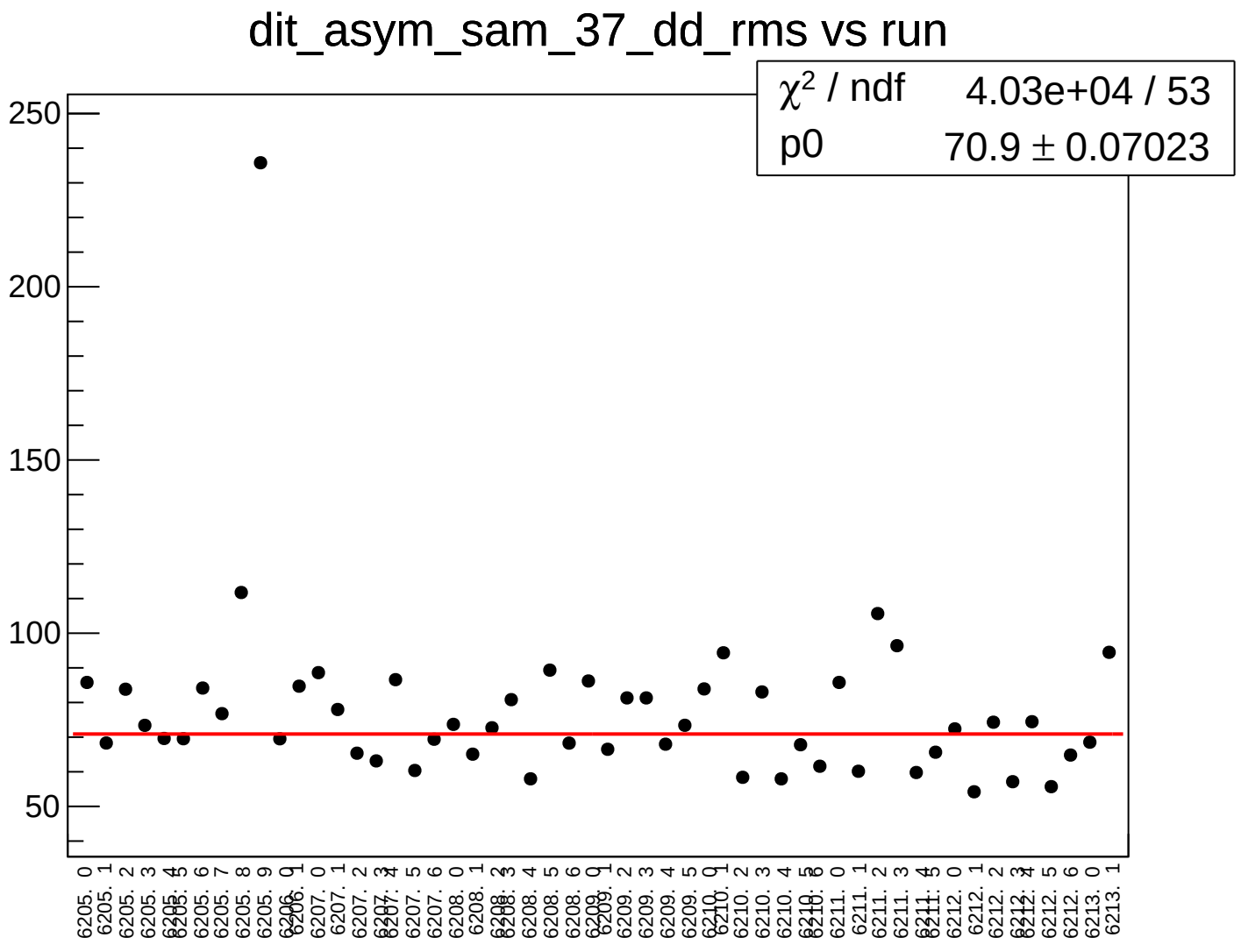

dit_asym_sam_37_dd_mean vs run
χ² / ndf 38.34 / 53
p0 −165 ± 99.32
pull
Entries 54
Mean −70.43
Std Dev 0


pull1D
Entries 54
Mean 0.01719
Std Dev 0.8424


dit_asym_sam_37_dd_rms vs run
χ² / ndf 4.03e+04 / 53
p0 70.9 ± 0.07023
250
200
150
100
50
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
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6207. 6
6208. 0
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6208. 3
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6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
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6210. 2
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6210. 4
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6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
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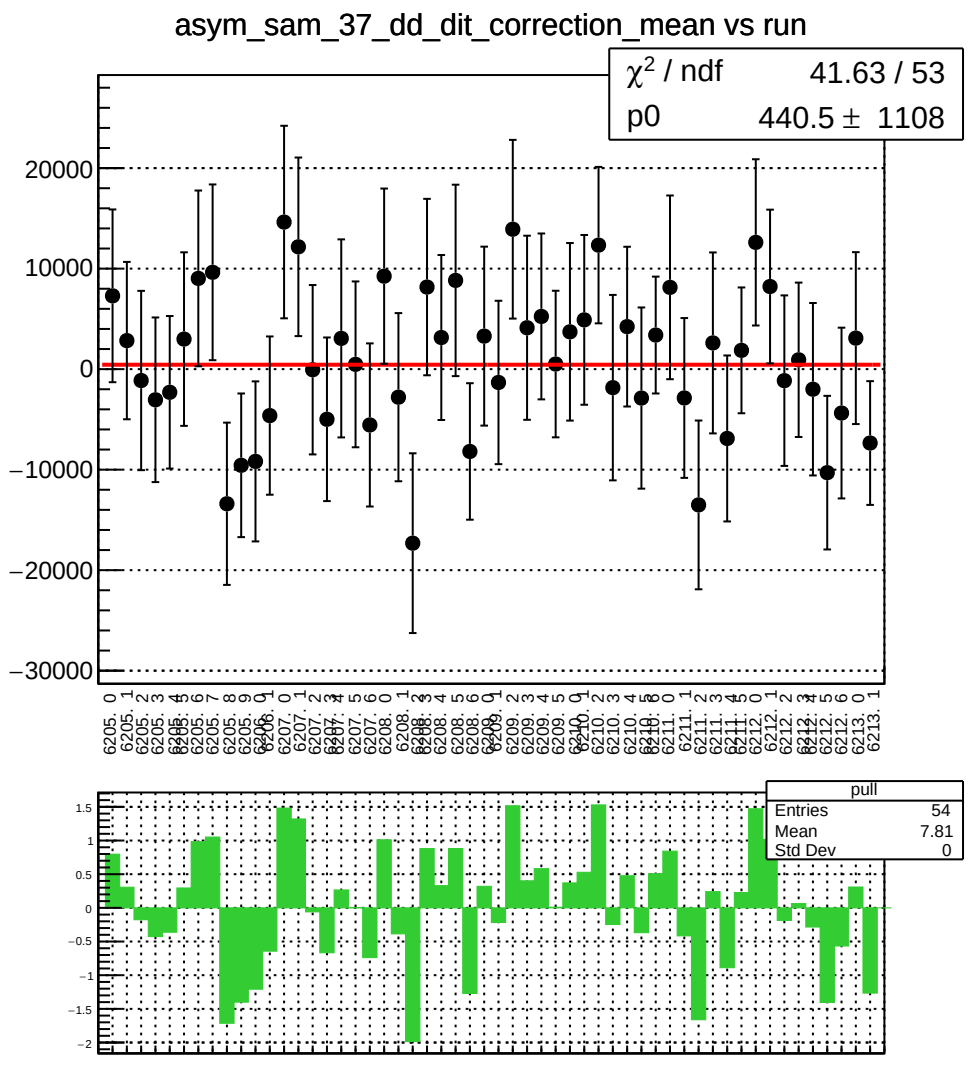
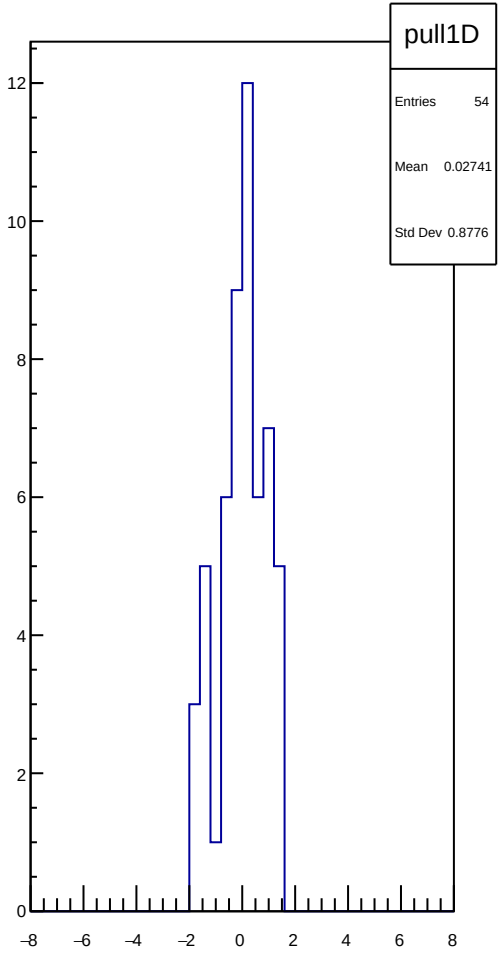
6212. 6
6213. 0
6213. 1


asym_sam_37_dd_dit_correction_mean vs run
χ² / ndf 41.63 / 53
p0 440.5 ± 1108
20000
10000
0
−10000
−20000
−30000
pull
Entries 54
Mean 7.81
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 54
Mean 0.02741
Std Dev 0.8776
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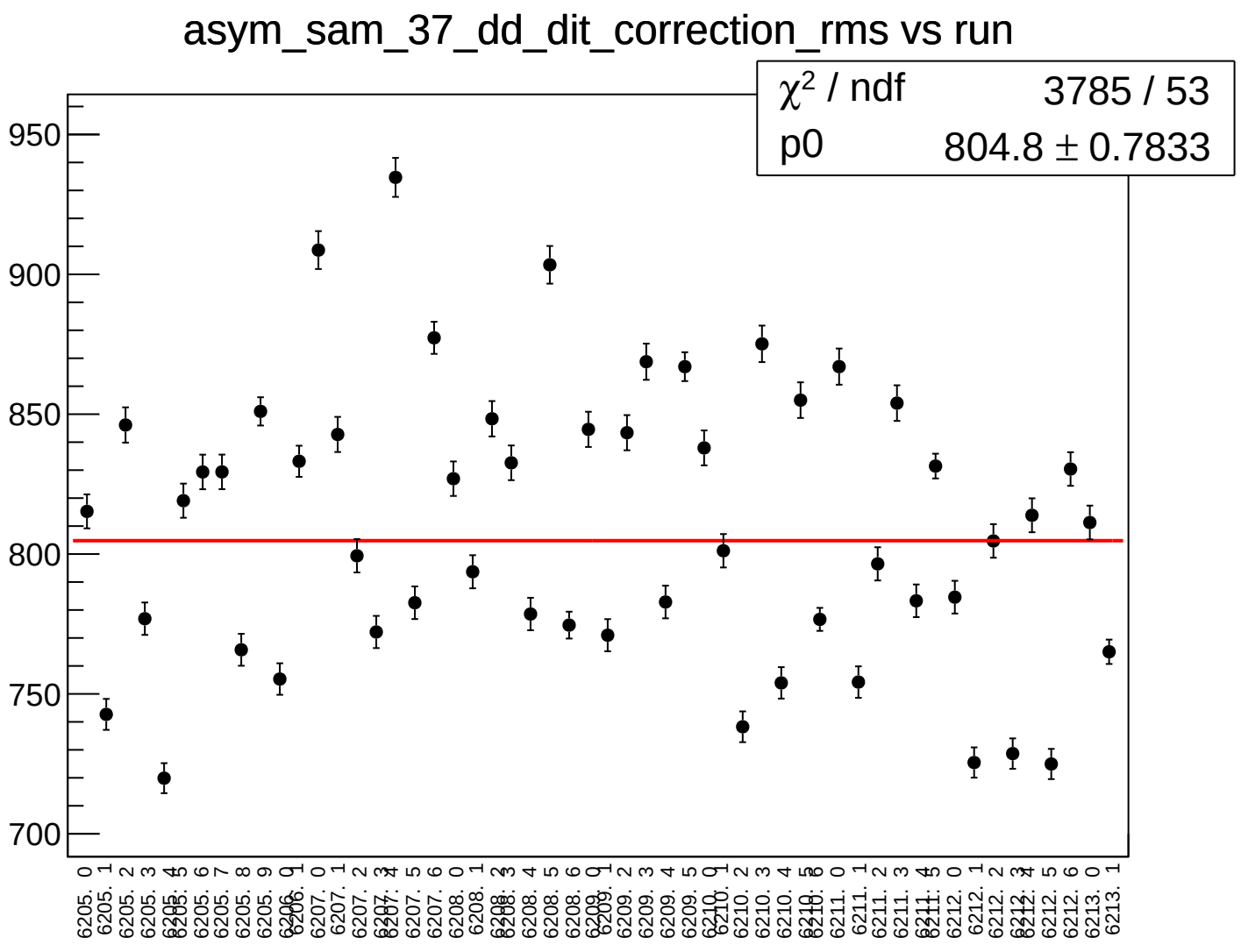
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_37_dd_dit_correction_rms vs run
χ² / ndf 3785 / 53
p0 804.8 ± 0.7833
950
900
850
800
750
700
6205. 0
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6205. 2
6205. 3
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6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
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6207. 2
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6207. 4
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6207. 6
6208. 0
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6208. 2
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6208. 6
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6211. 4
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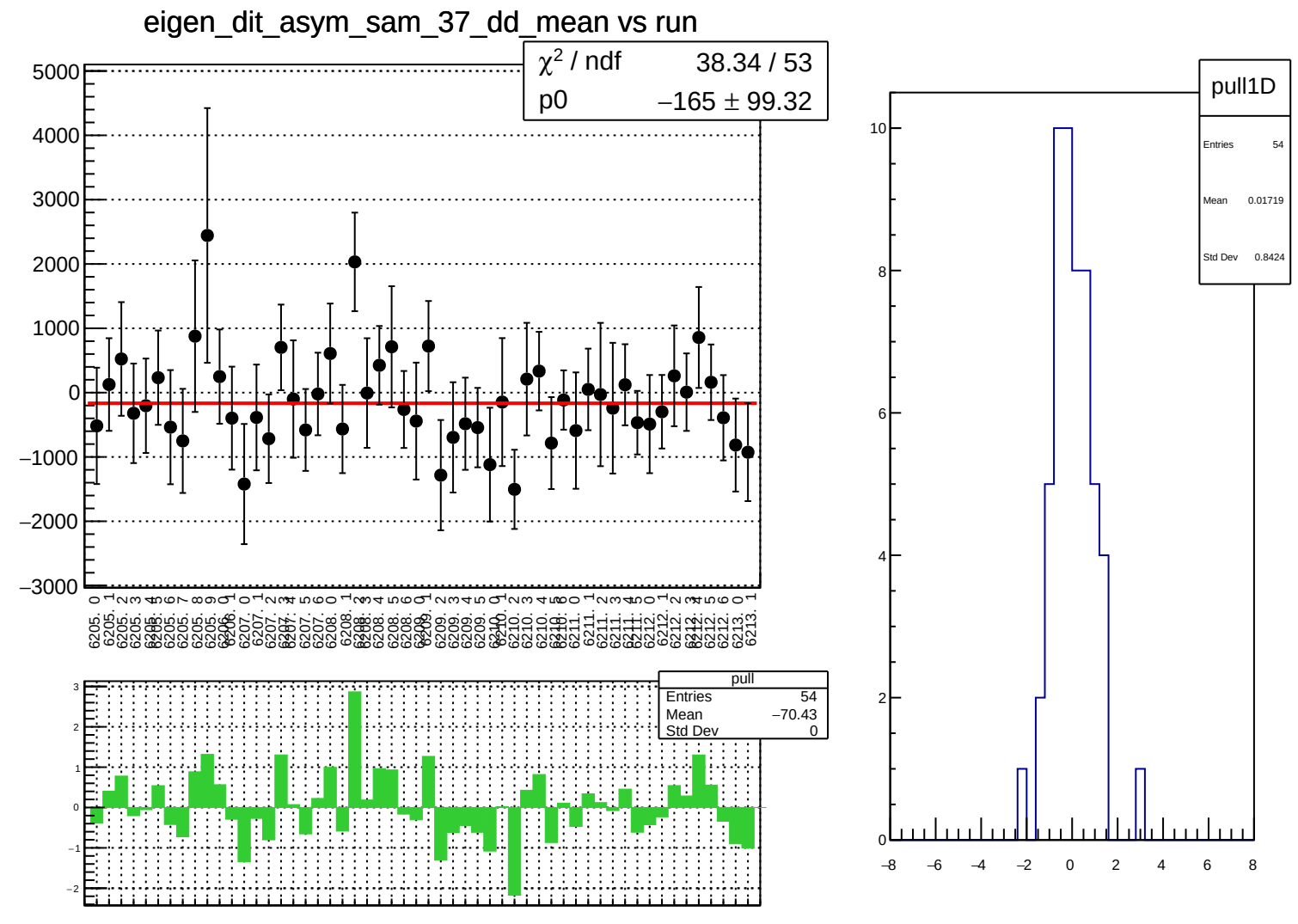
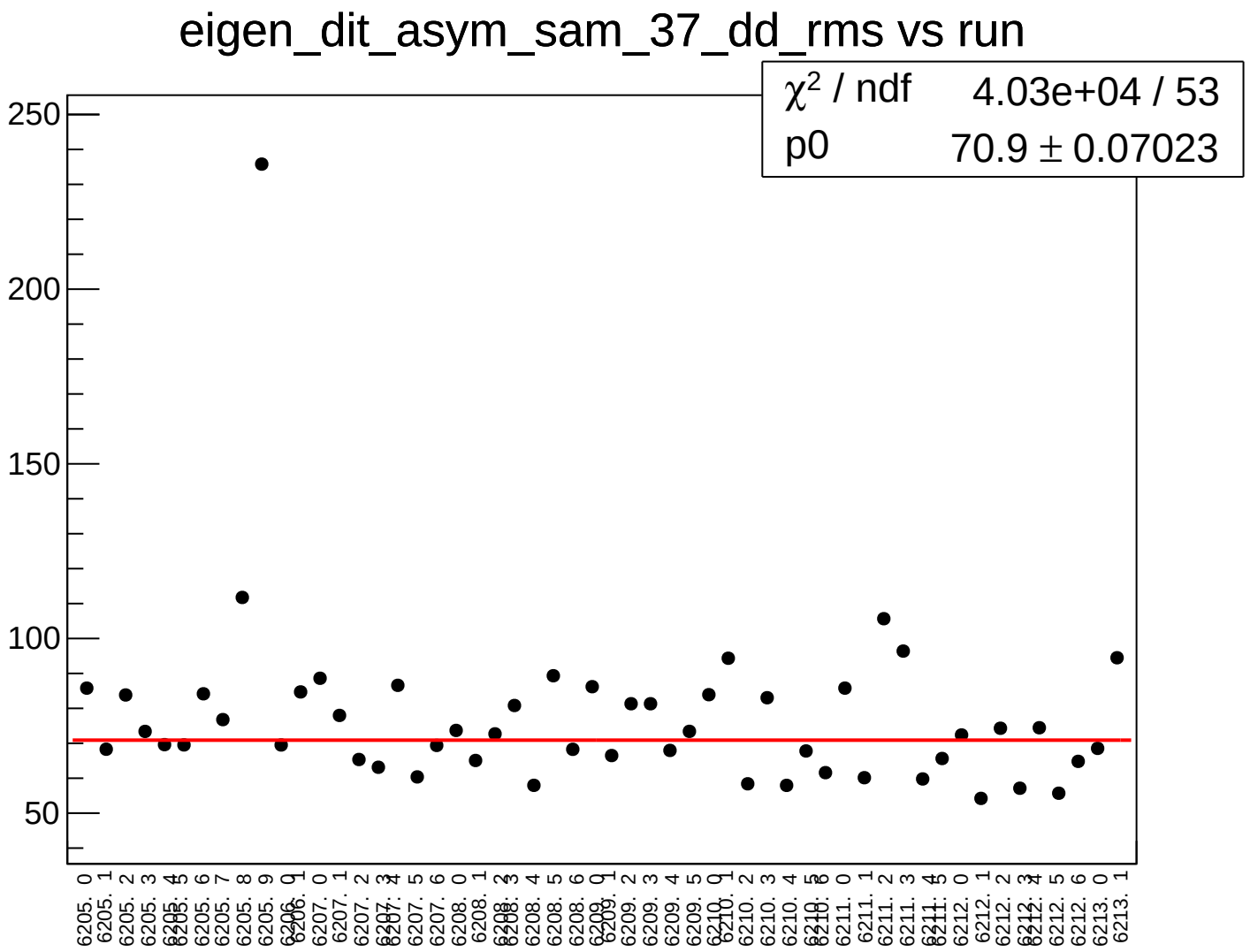
6213. 1


eigen_dit_asym_sam_37_dd_mean vs run
χ² / ndf 38.34 / 53
p0 −165 ± 99.32
pull
Entries 54
Mean −70.43
Std Dev 0
pull1D
Entries 54
Mean 0.01719
Std Dev 0.8424


eigen_dit_asym_sam_37_dd_rms vs run
χ² / ndf 4.03e+04 / 53
p0 70.9 ± 0.07023
250
200
150
100
50
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
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6207. 6
6208. 0
6208. 1
6208. 2
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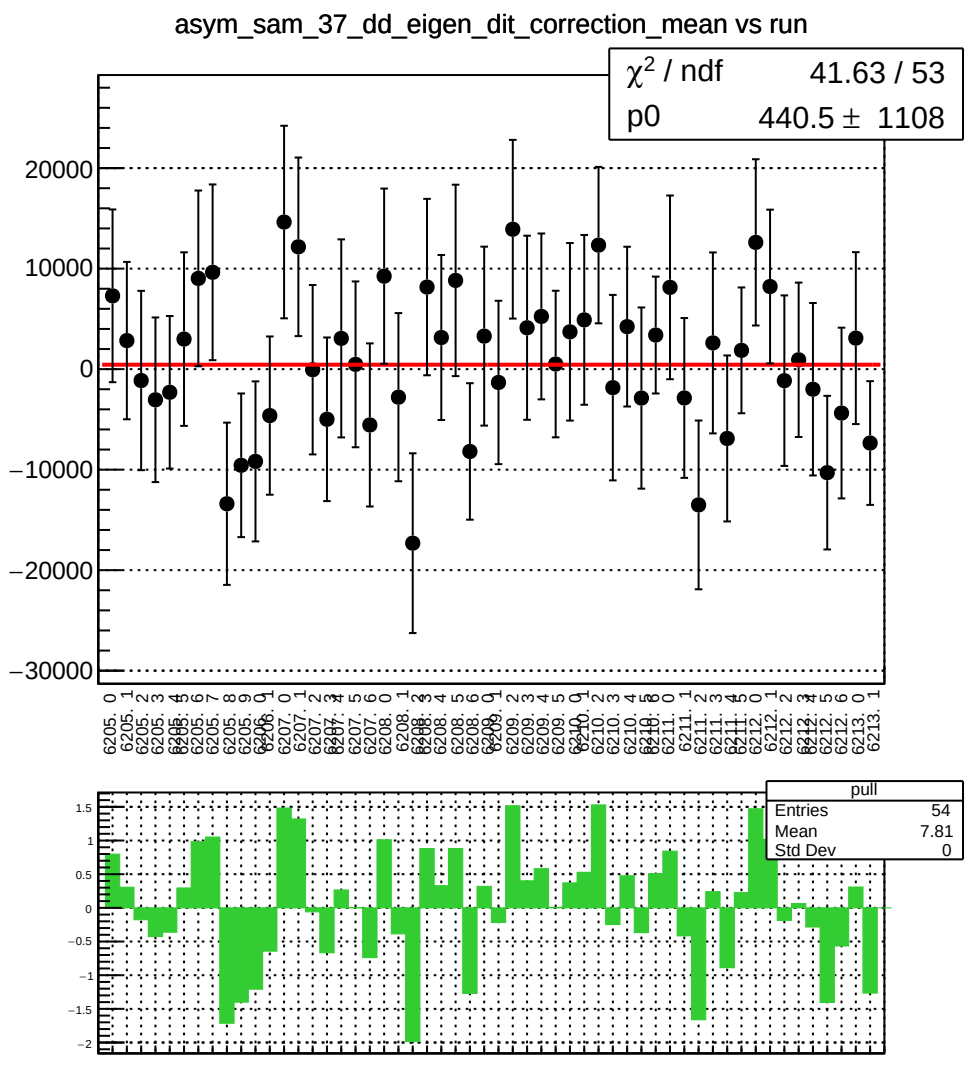
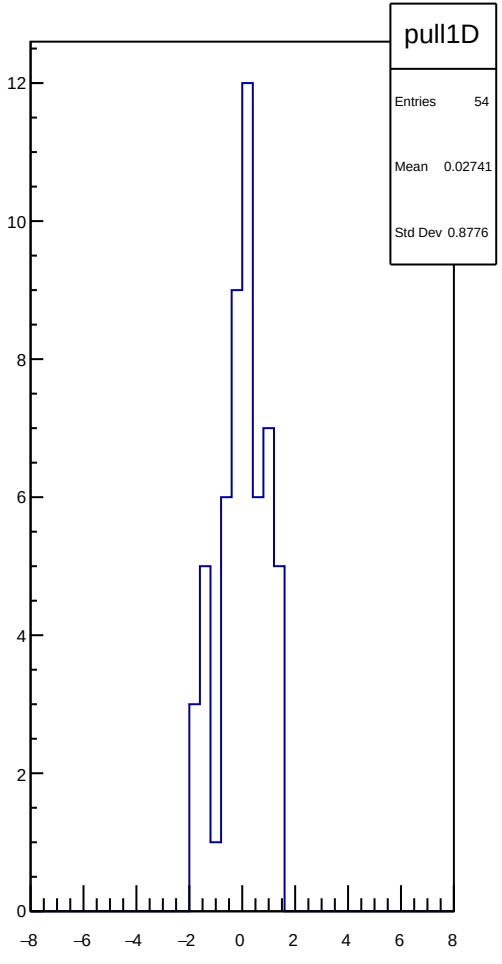
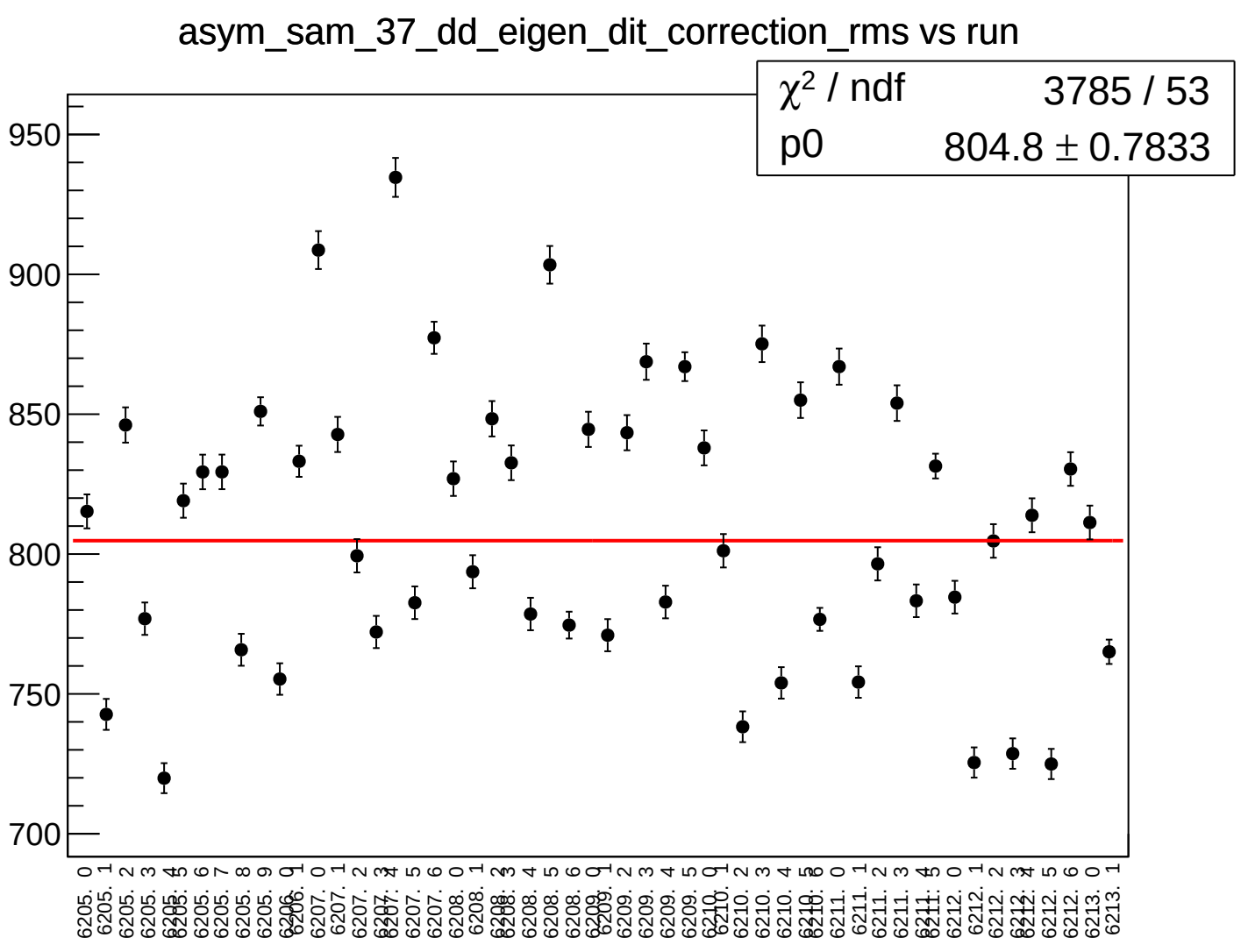
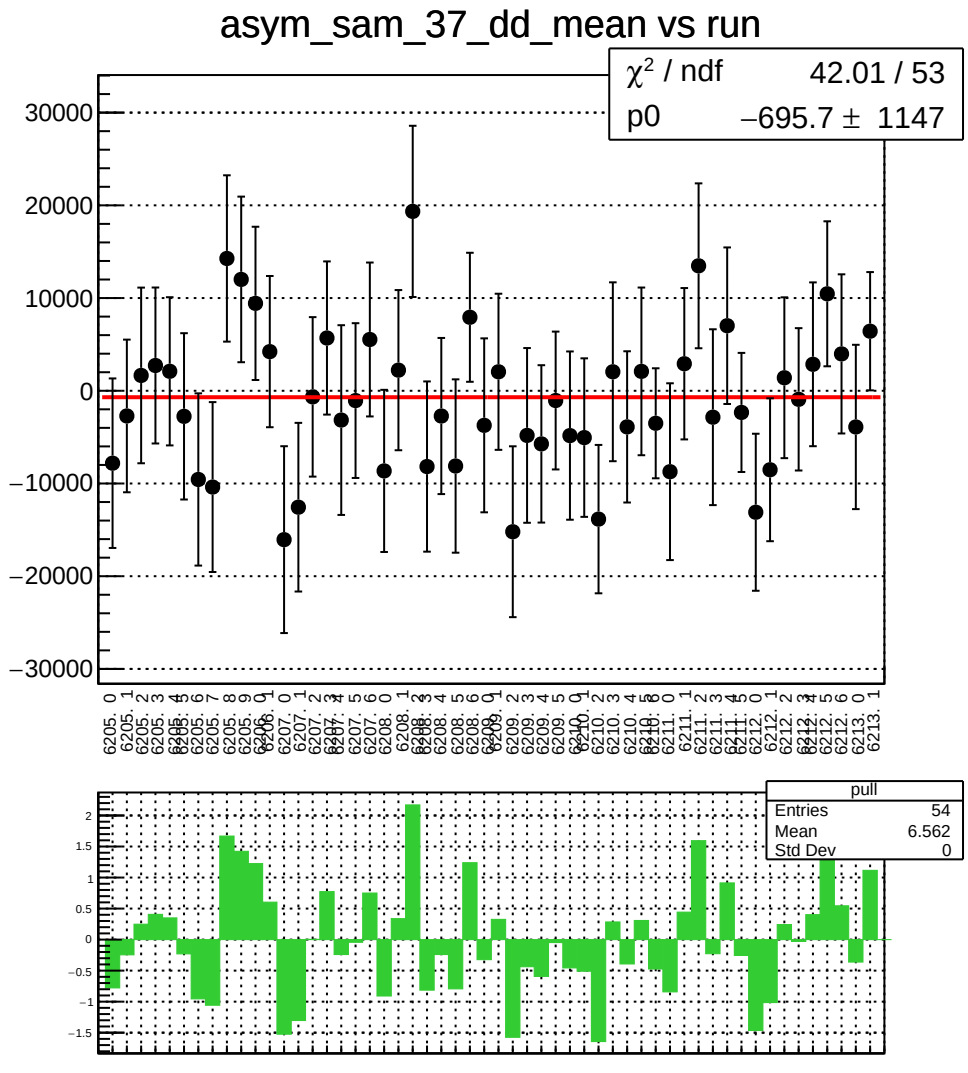
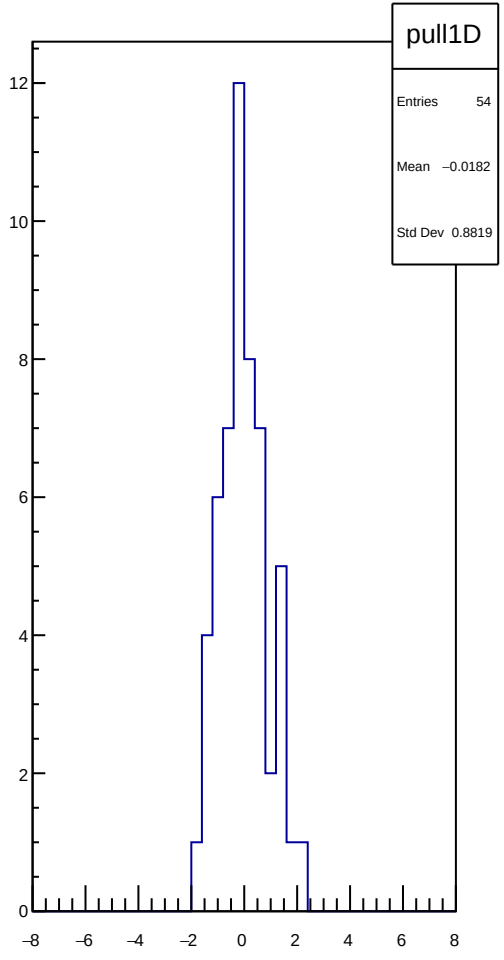
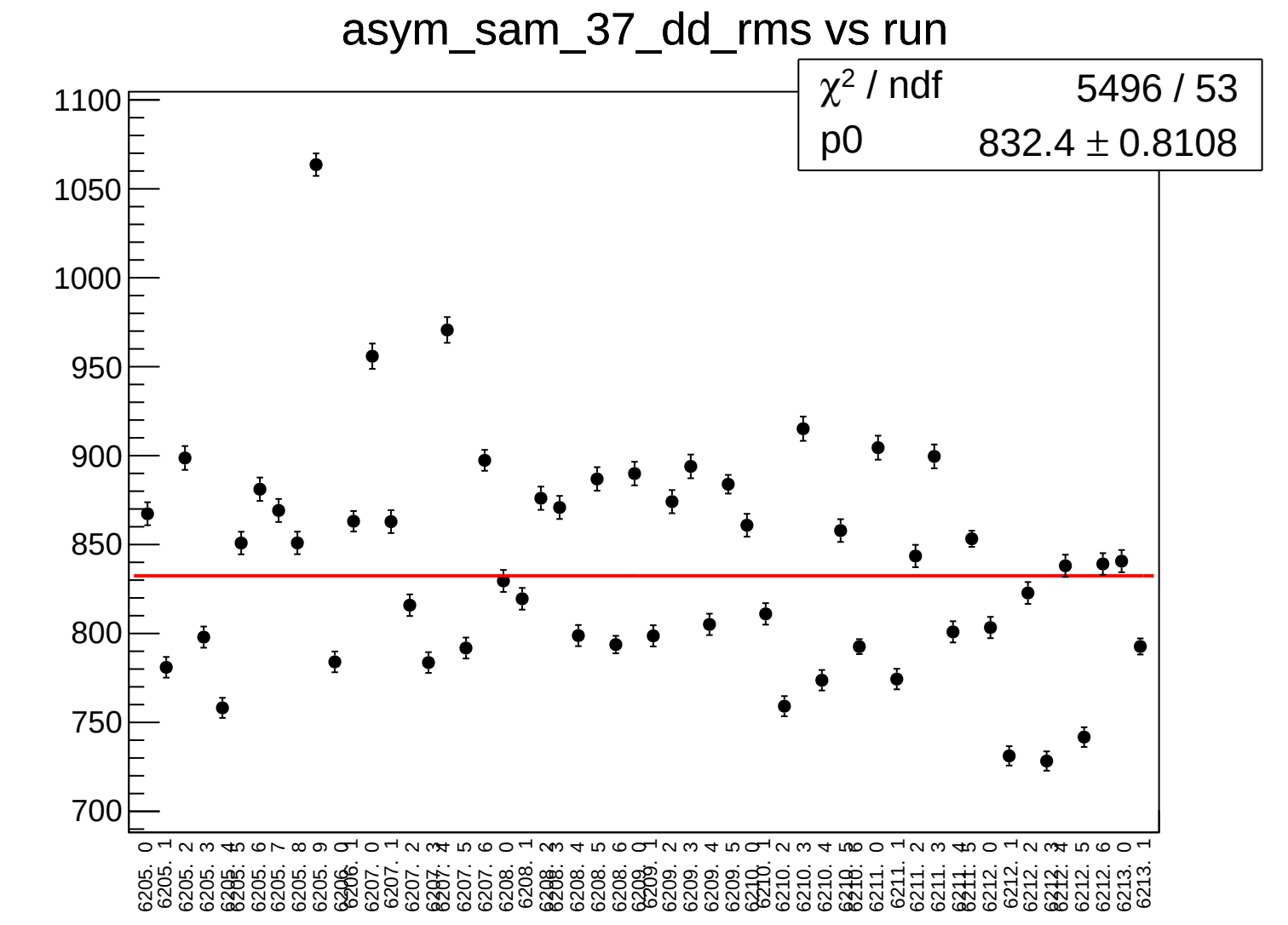

asym_sam_37_dd_eigen_dit_correction_mean vs run
χ² / ndf 41.63 / 53
p0 440.5 ± 1108
pull
Entries 54
Mean 7.81
Std Dev 0

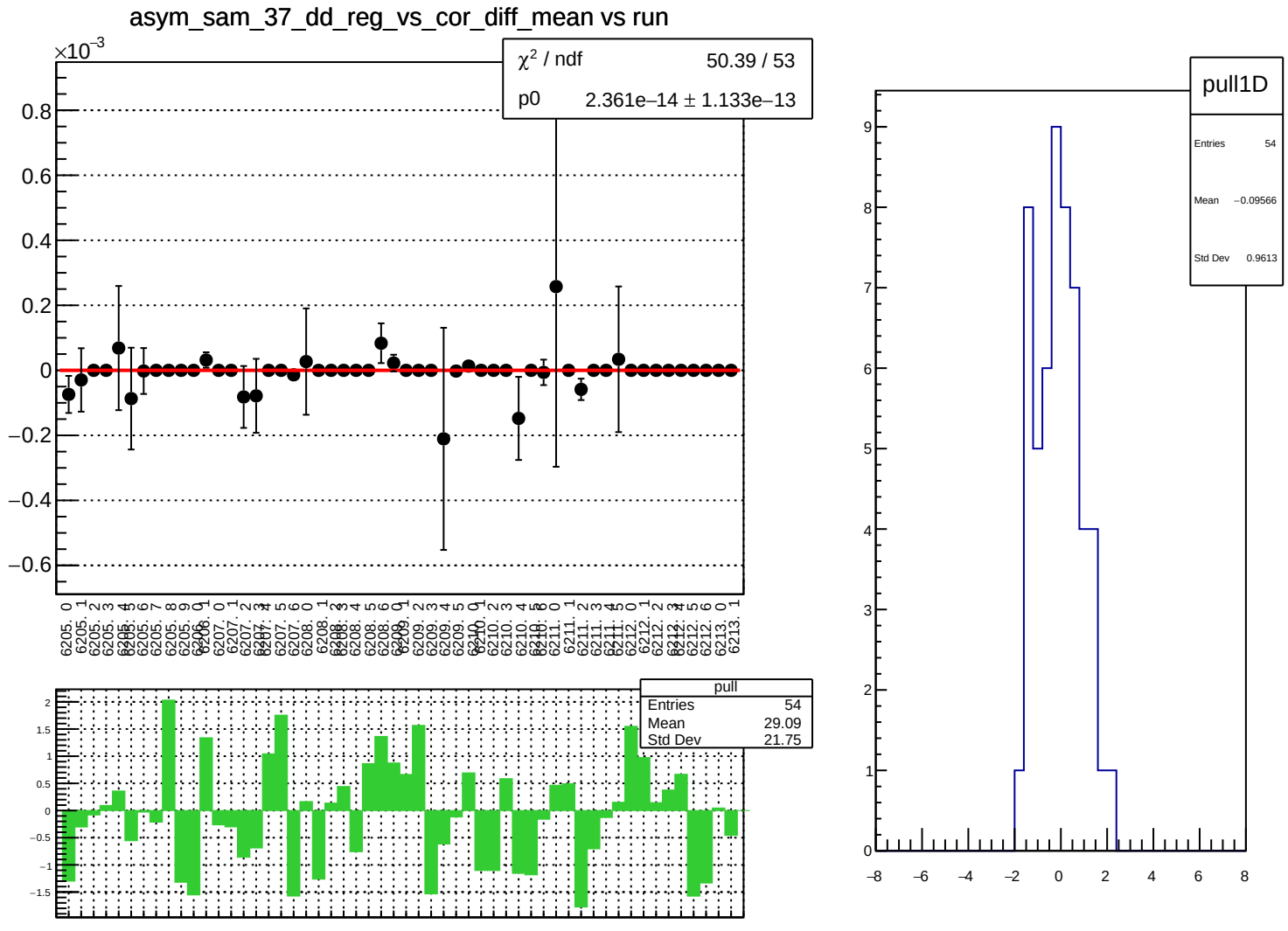

pull1D
Entries 54
Mean 0.02741
Std Dev 0.8776

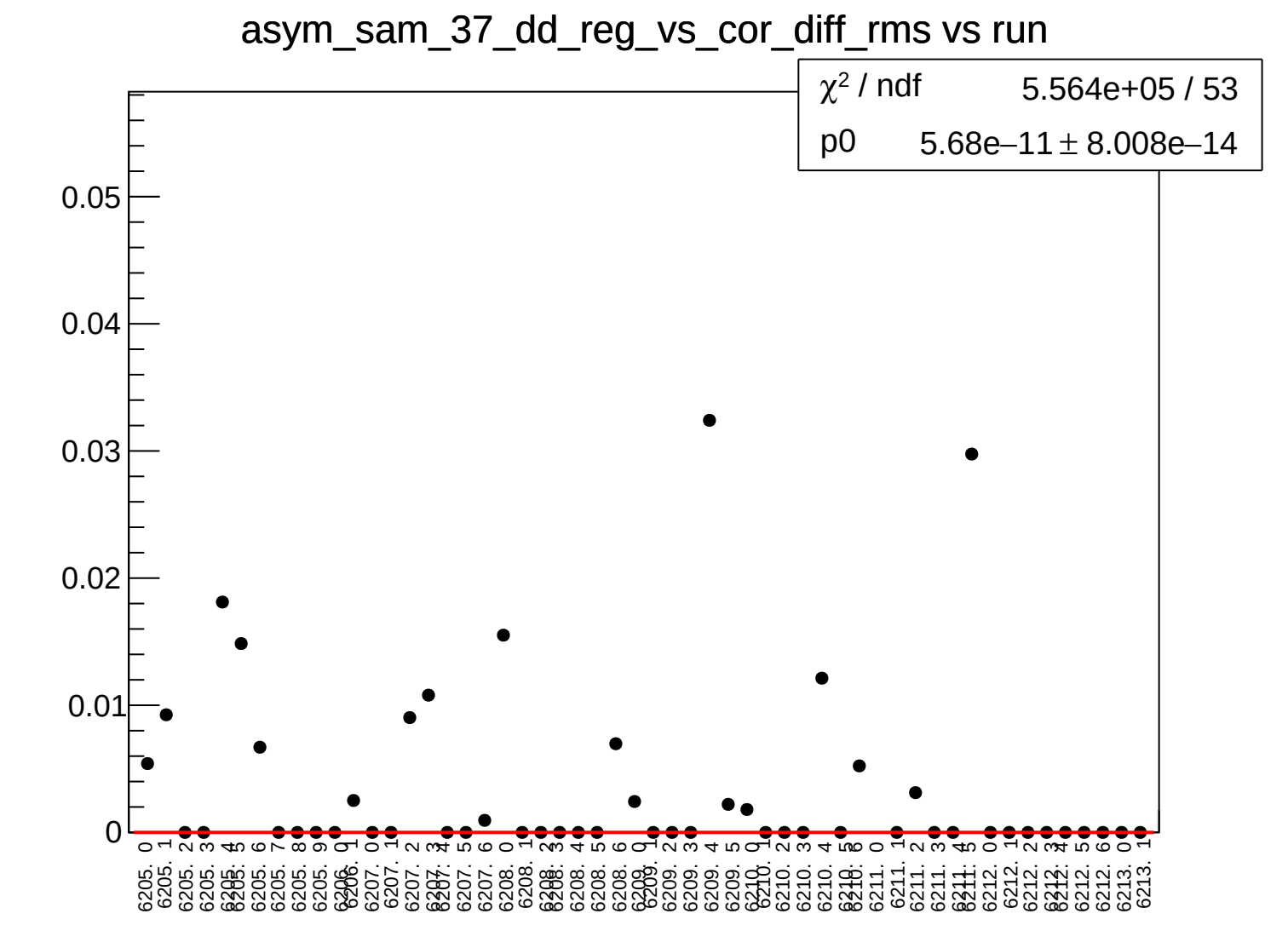

asym_sam_37_dd_eigen_dit_correction_rms vs run
χ² / ndf 3785 / 53
p0 804.8 ± 0.7833
950
900
850
800
750
700
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

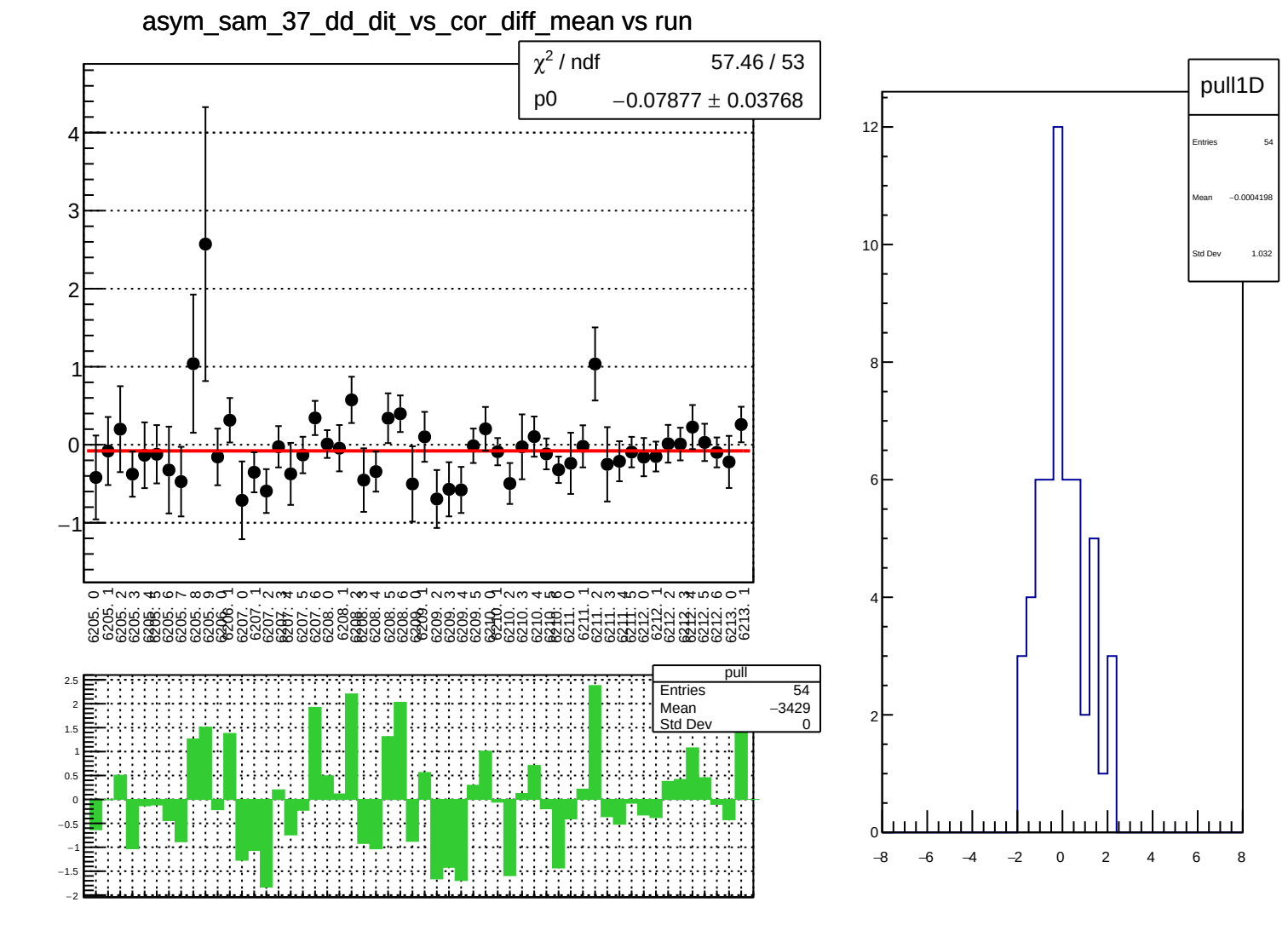

asym_sam_37_dd_mean vs run
χ² / ndf 42.01 / 53
p0 −695.7 ± 1147
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 54
Mean 6.562
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

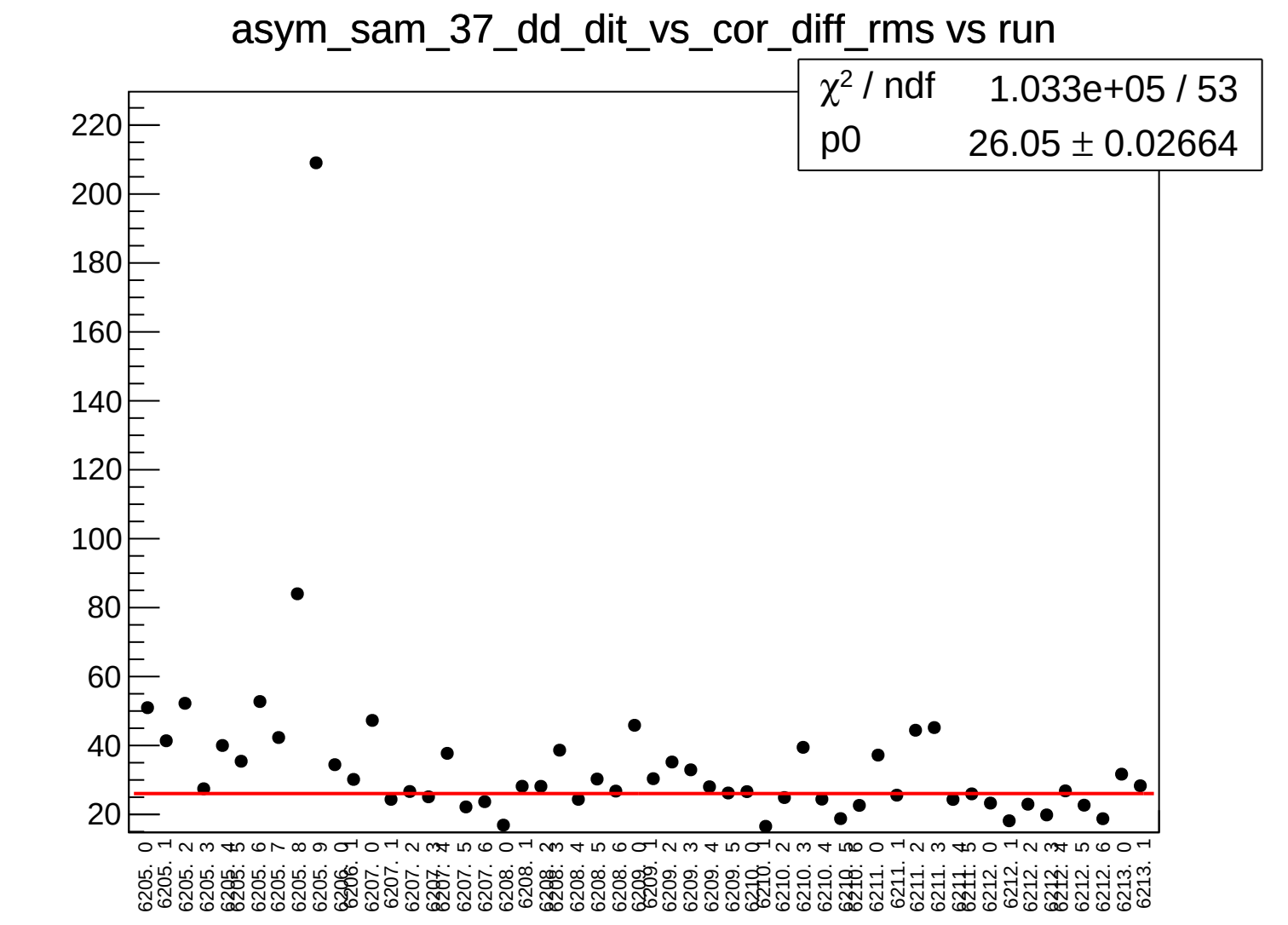

pull1D
Entries 54
Mean −0.0182
Std Dev 0.8819
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

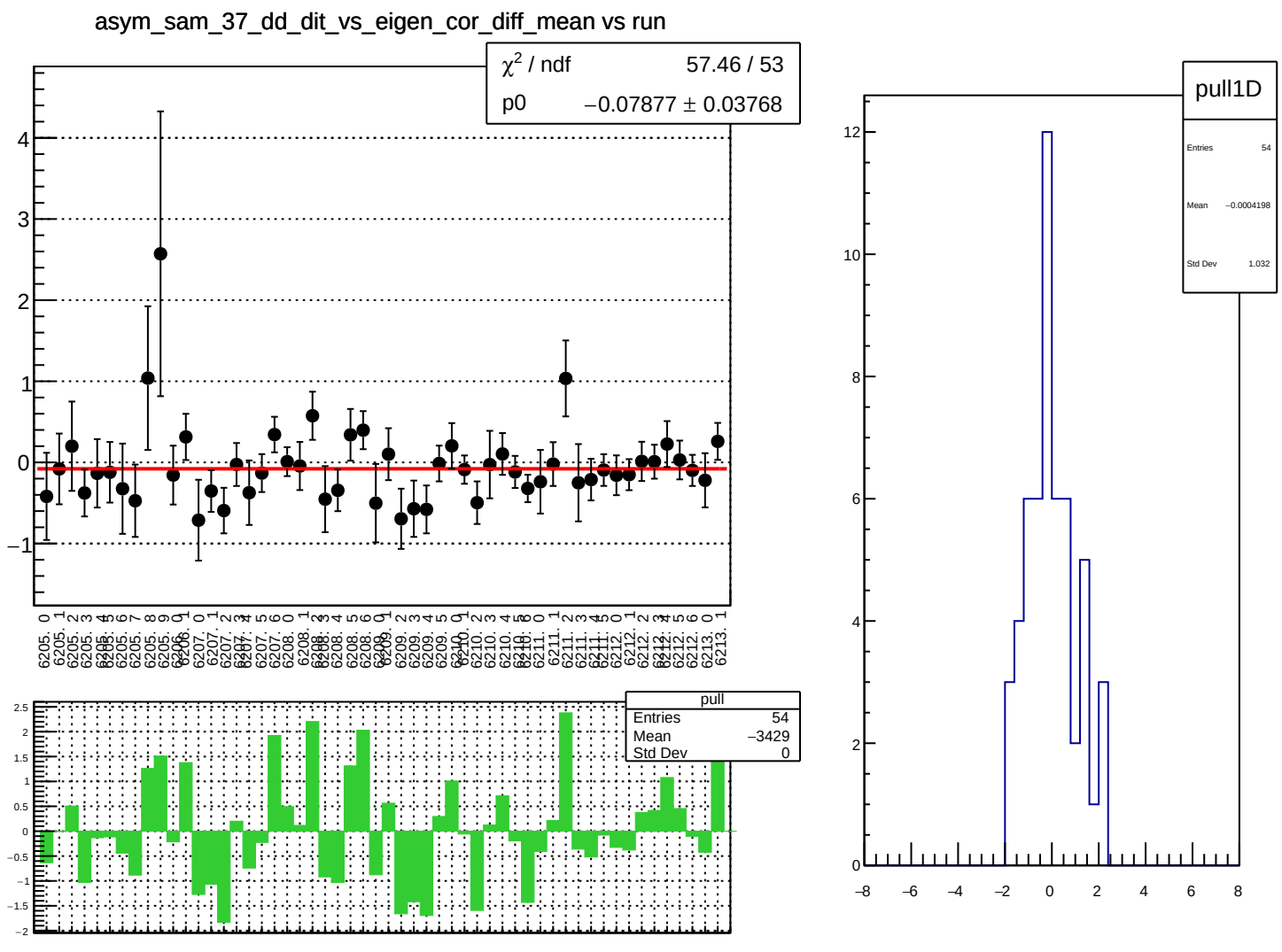

asym_sam_37_dd_rms vs run
χ² / ndf 5496 / 53
p0 832.4 ± 0.8108
1100
1050
1000
950
900
850
800
750
700
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

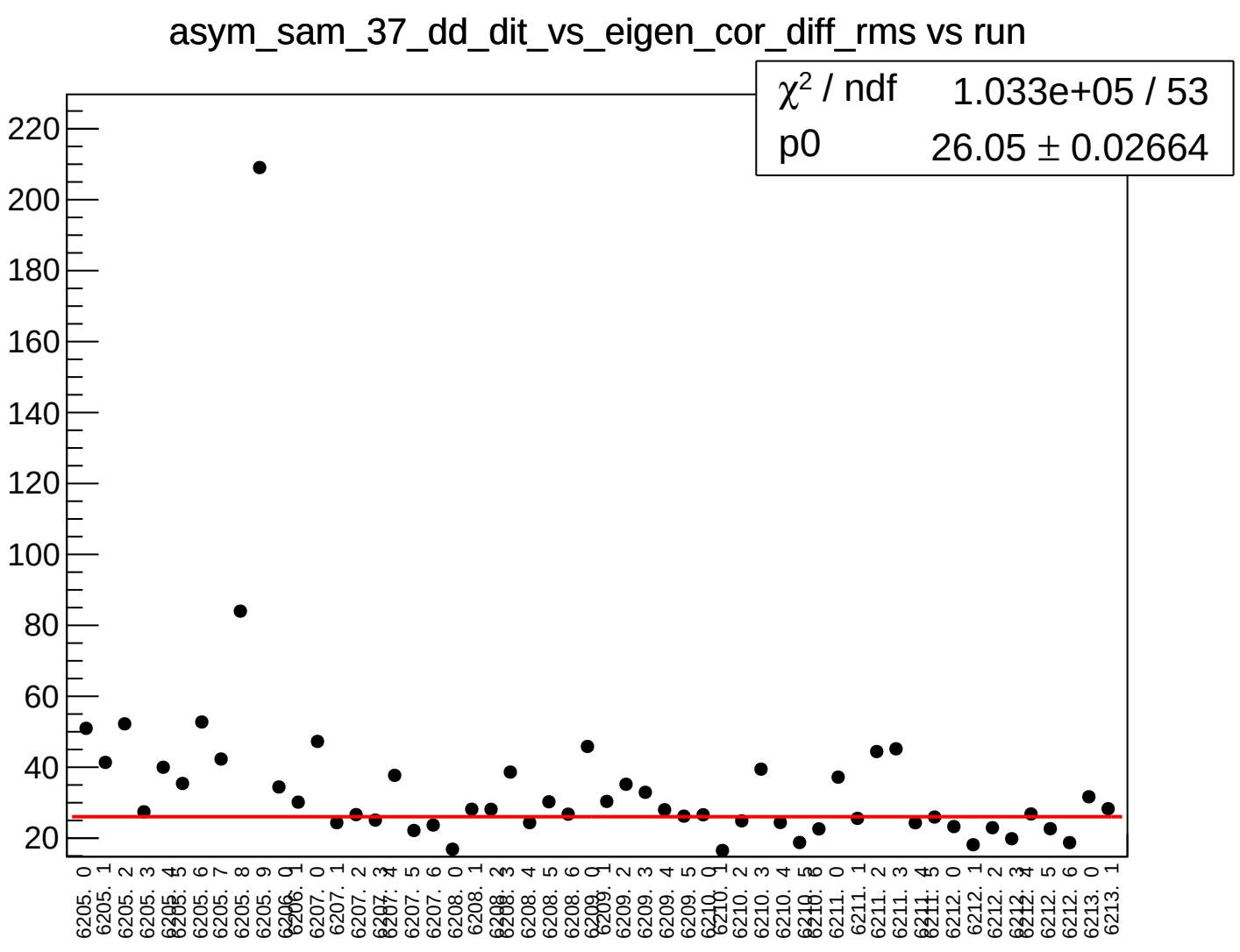

asym_sam_37_dd_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 50.39 / 53
p0 2.361e−14 ± 1.133e−13
pull
Entries 54
Mean 29.09
Std Dev 21.75
pull1D
Entries 54
Mean −0.09566
Std Dev 0.9613

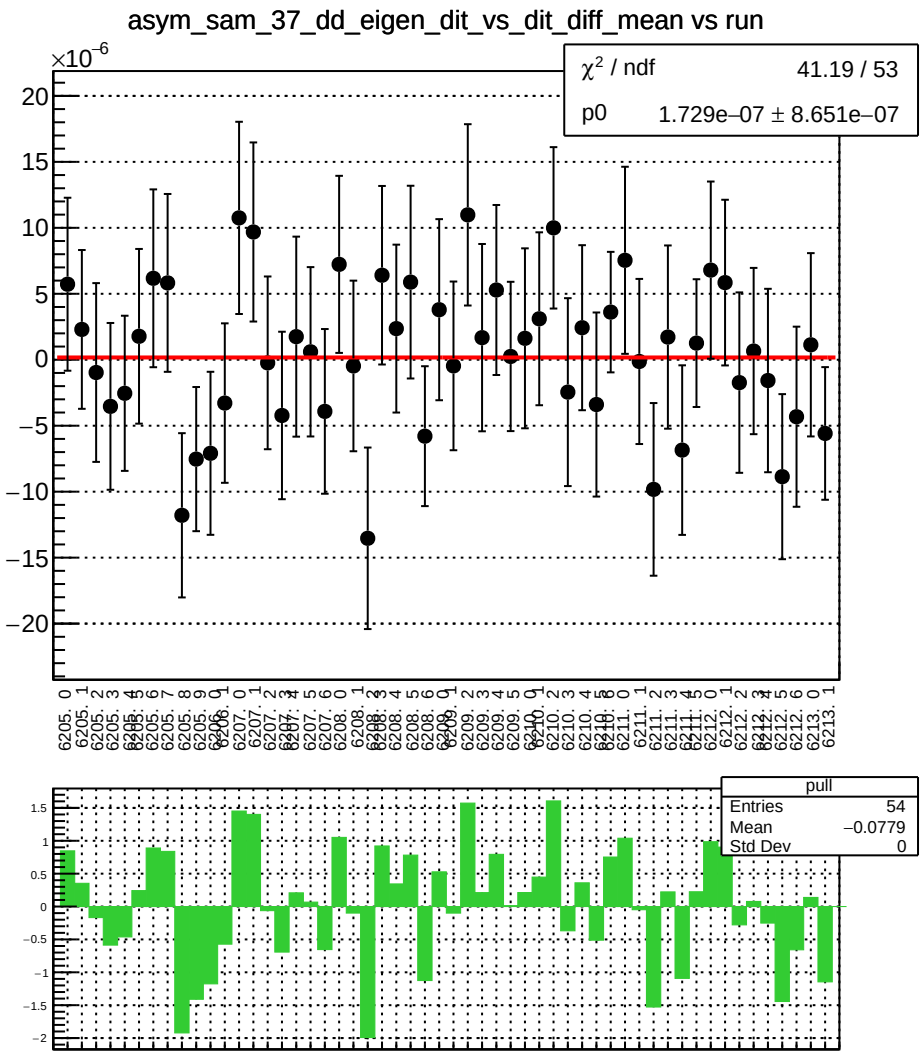

asym_sam_37_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.564e+05 / 53
p0 5.68e−11 ± 8.008e−14
0.05
0.04
0.03
0.02
0.01
0

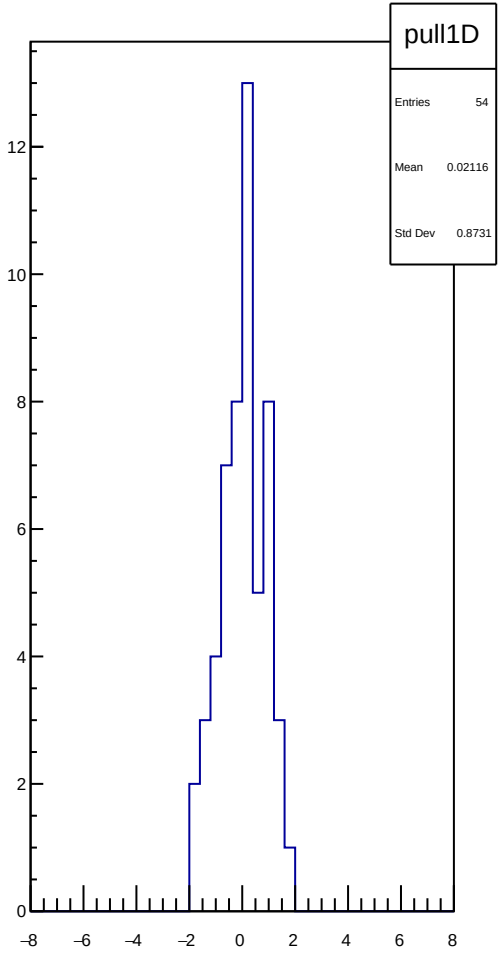

asym_sam_37_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 57.46 / 53
p0 −0.07877 ± 0.03768
pull
Entries 54
Mean −3429
Std Dev 0
pull1D
Entries 54
Mean −0.0004198
Std Dev 1.032

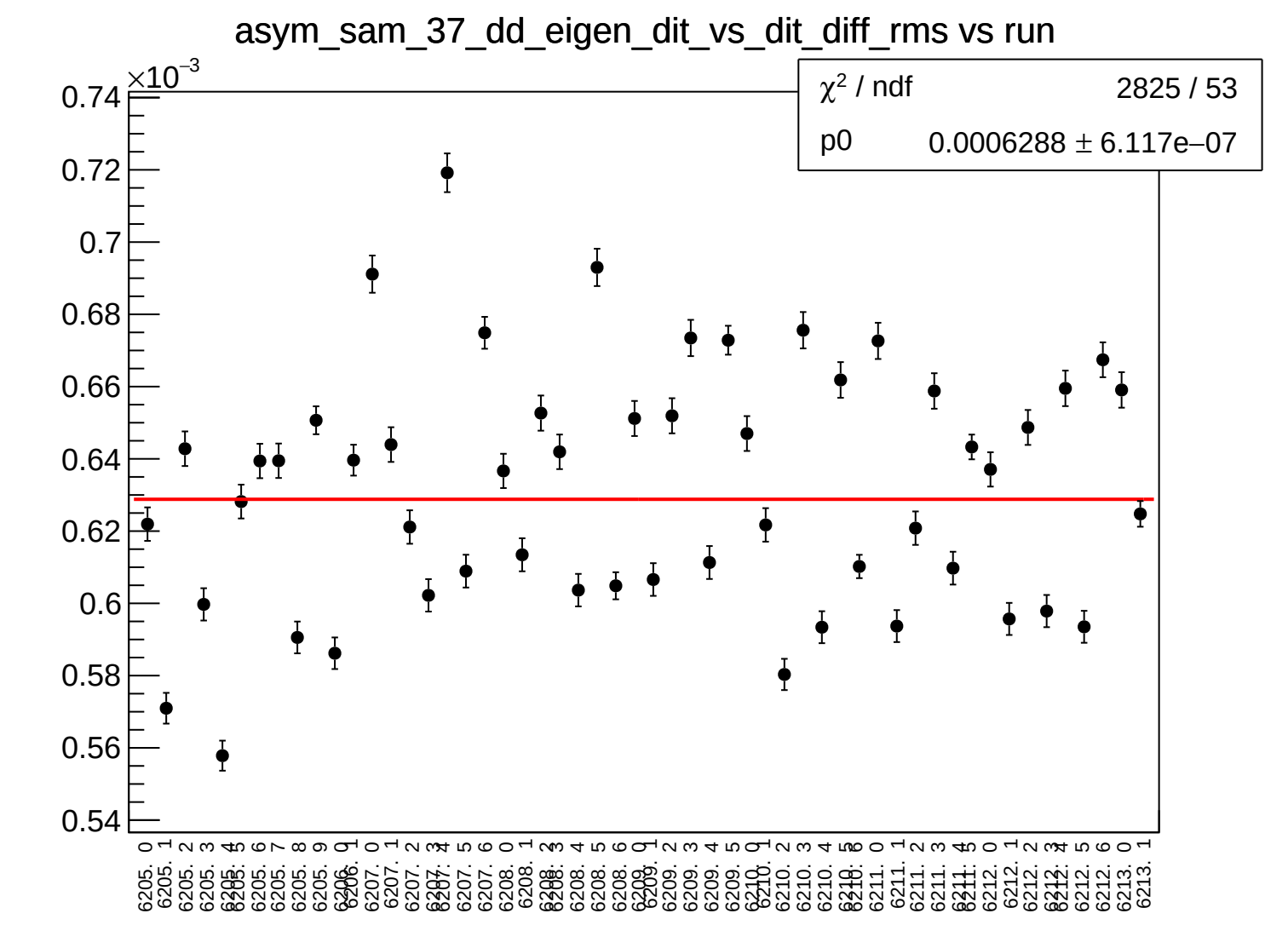

asym_sam_37_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.033e+05 / 53
p0 26.05 ± 0.02664
220
200
180
160
140
120
100
80
60
40
20
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6209. 6
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

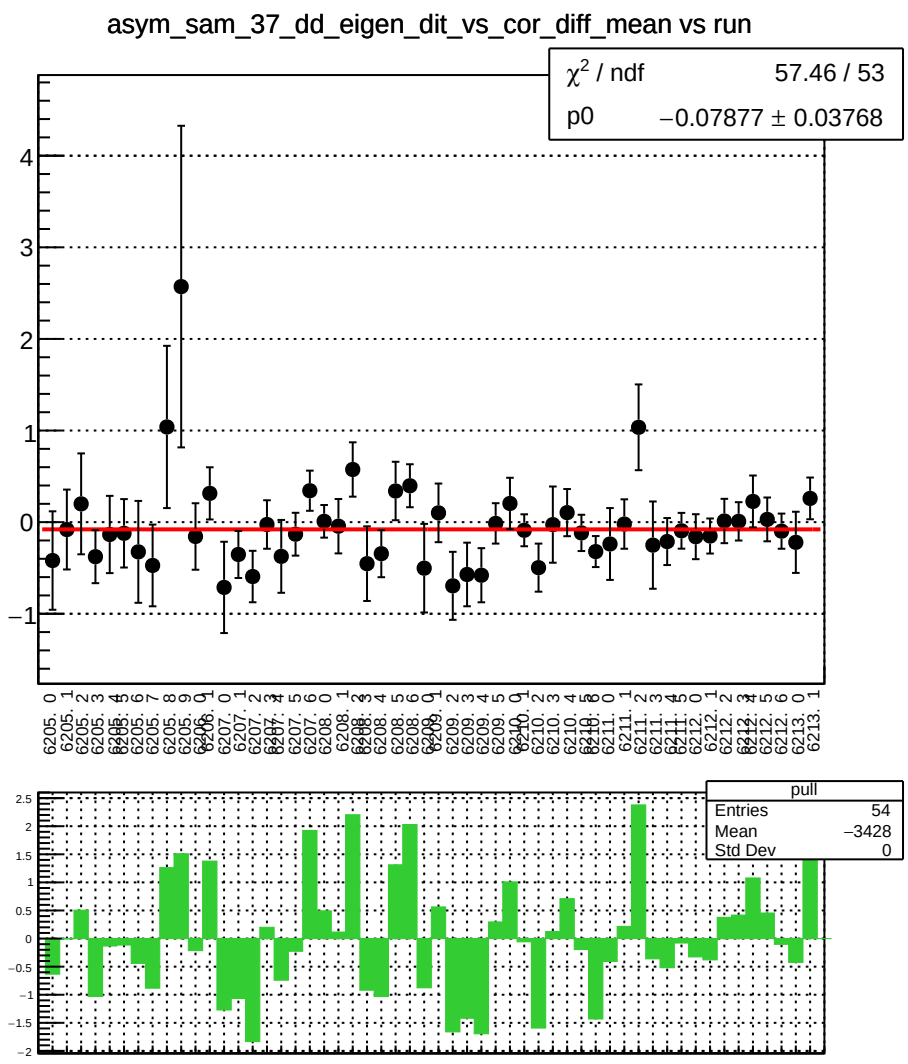

asym_sam_37_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 57.46 / 53
p0 −0.07877 ± 0.03768
pull
Entries 54
Mean −3429
Std Dev 0
pull1D
Entries 54
Mean −0.0004198
Std Dev 1.032

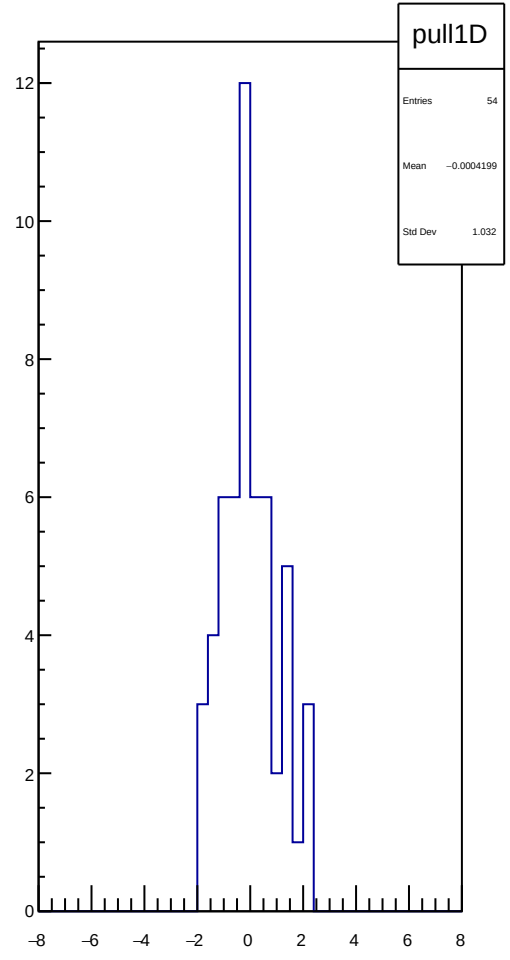

asym_sam_37_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.033e+05 / 53
p0 26.05 ± 0.02664
220
200
180
160
140
120
100
80
60
40
20
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6209. 6
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

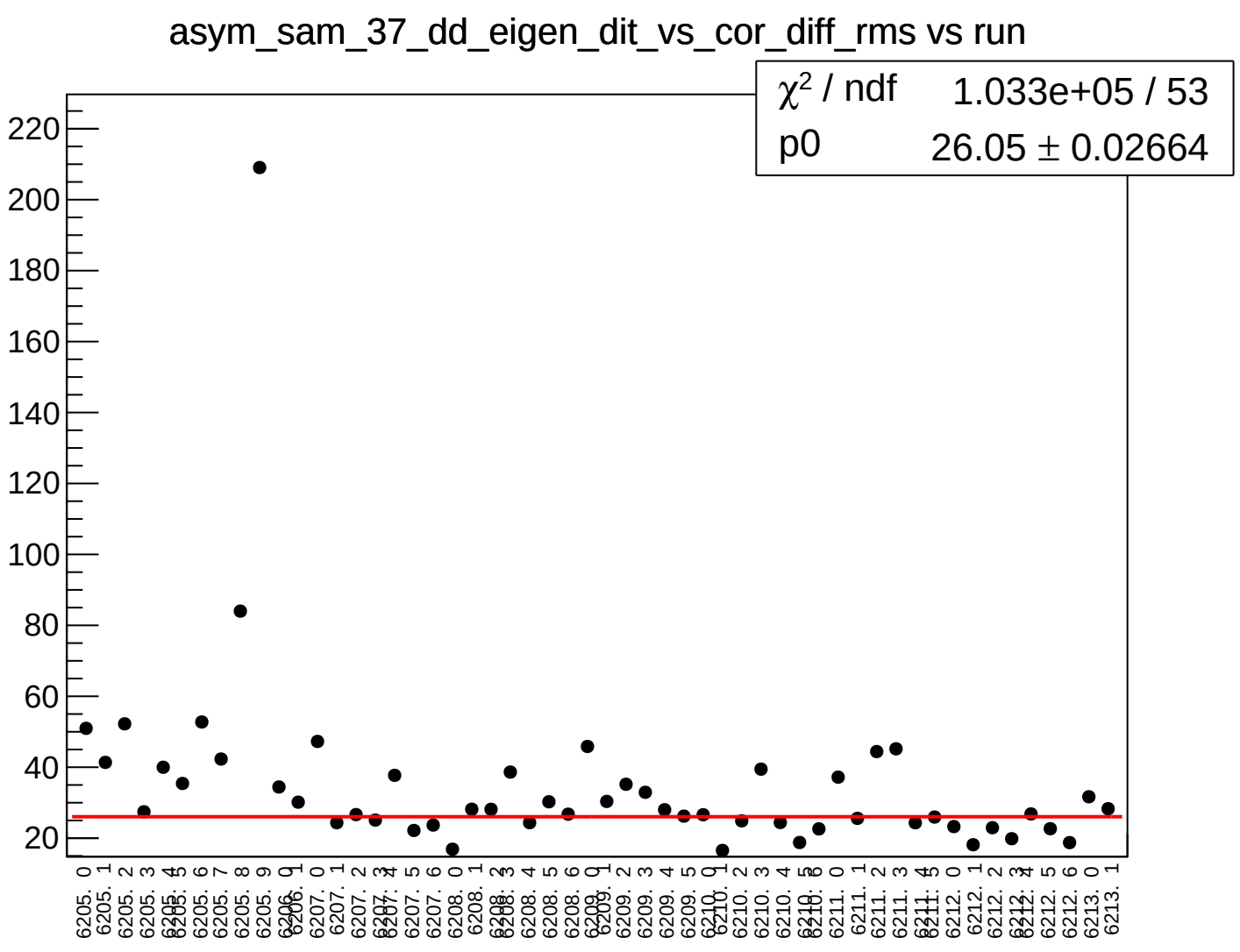

asym_sam_37_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻⁶
χ² / ndf 41.19 / 53
p0 1.729e−07 ± 8.651e−07
pull
Entries 54
Mean −0.0779
Std Dev 0

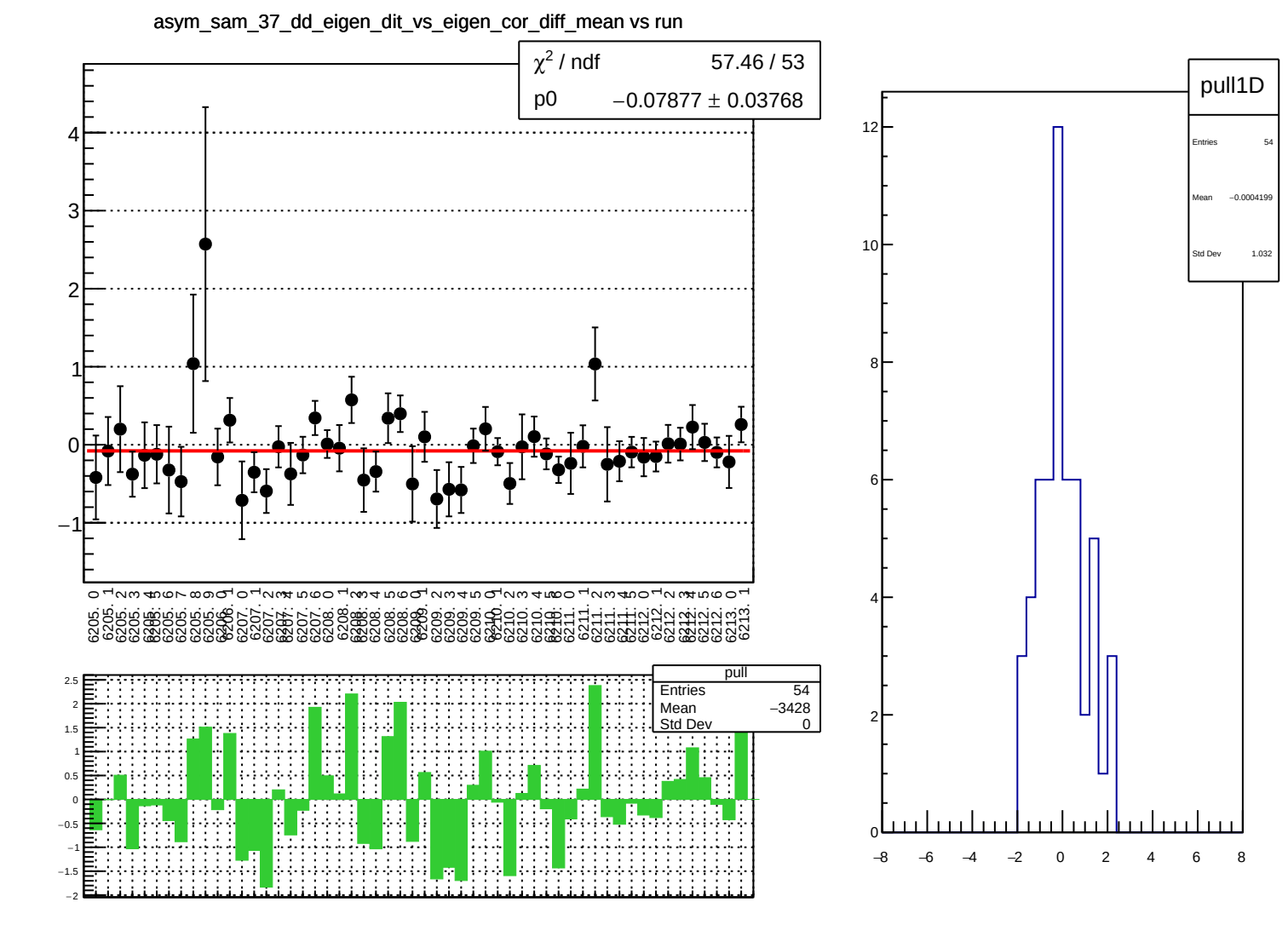

pull1D
Entries 54
Mean 0.02116
Std Dev 0.8731

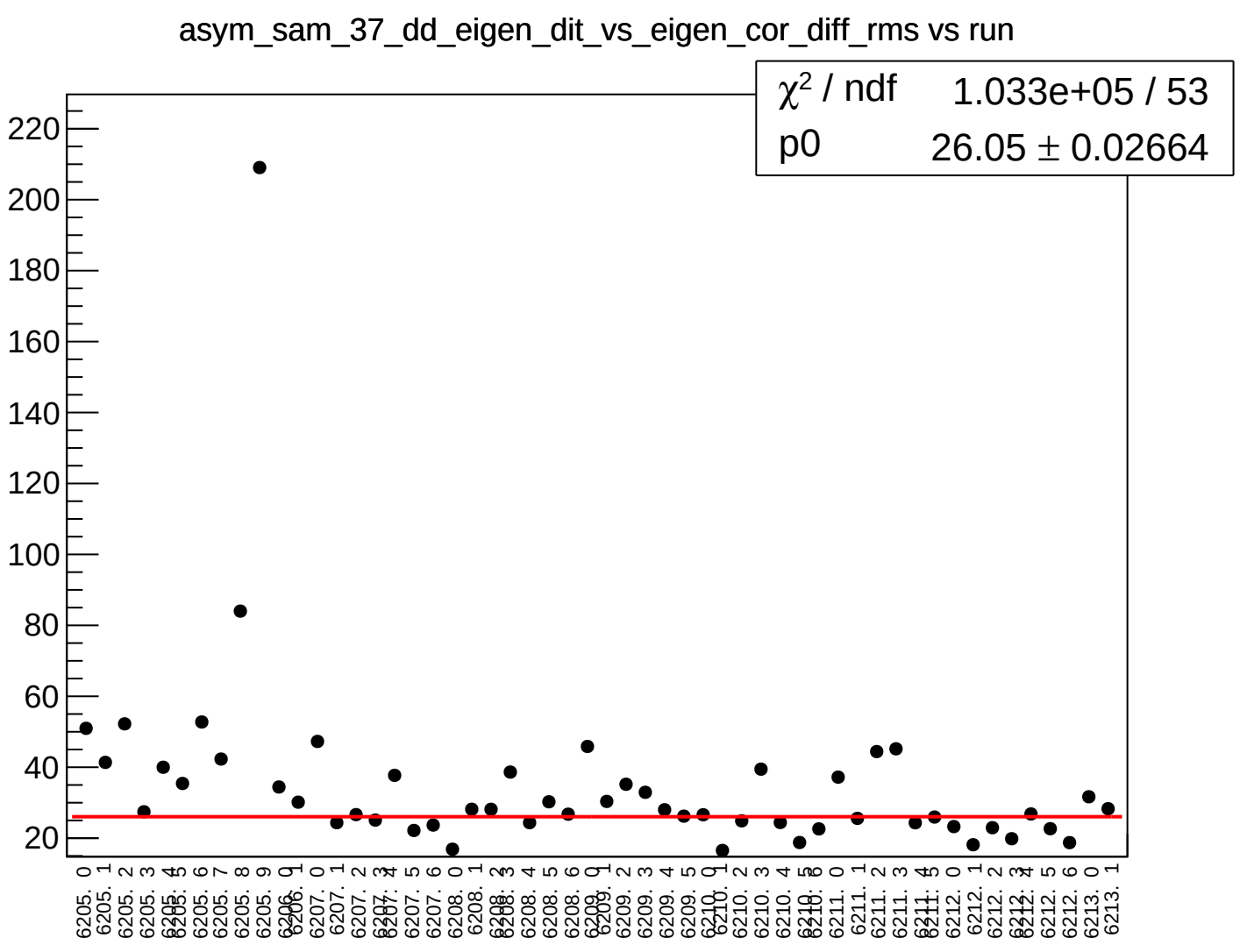

asym_sam_37_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2825 / 53
p0 0.0006288 ± 6.117e−07
×10⁻³
0.74
0.72
0.7
0.68
0.66
0.64
0.62
0.6
0.58
0.56
0.54
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_sam_37_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 57.46 / 53
p0 −0.07877 ± 0.03768
pull
Entries 54
Mean −3428
Std Dev 0


pull1D
Entries 54
Mean −0.0004199
Std Dev 1.032


asym_sam_37_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.033e+05 / 53
p0 26.05 ± 0.02664
220
200
180
160
140
120
100
80
60
40
20
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6209. 6
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 57.46 / 53
p0 −0.07877 ± 0.03768
pull
Entries 54
Mean −3428
Std Dev 0
pull1D
Entries 54
Mean −0.0004199
Std Dev 1.032


asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.033e+05 / 53
p0 26.05 ± 0.02664
220
200
180
160
140
120
100
80
60
40
20
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 1
6207. 0
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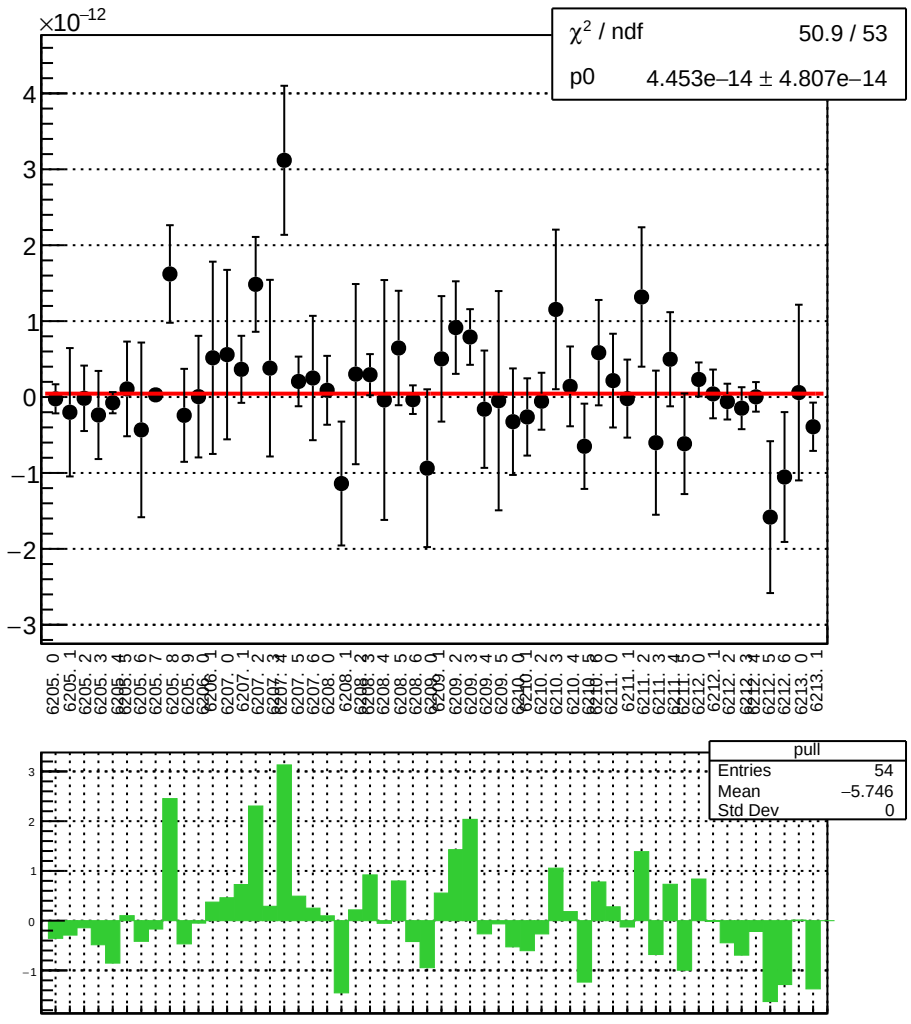
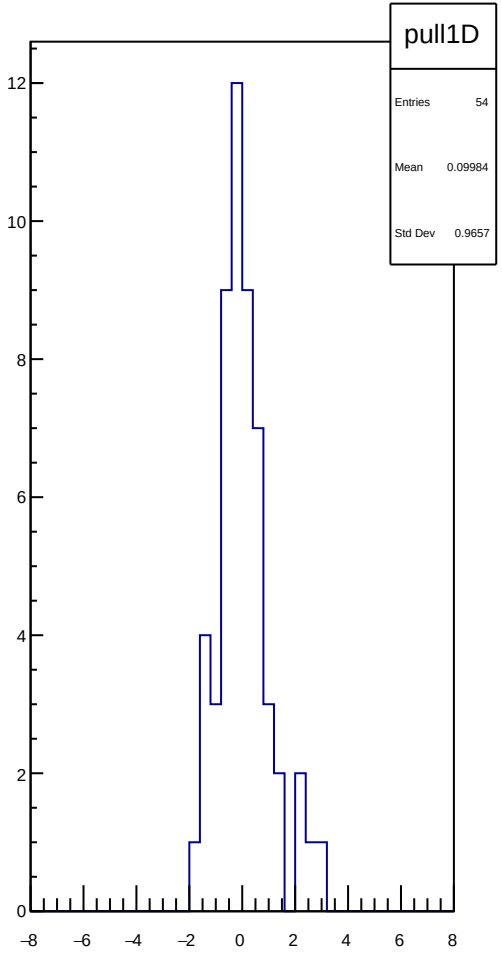
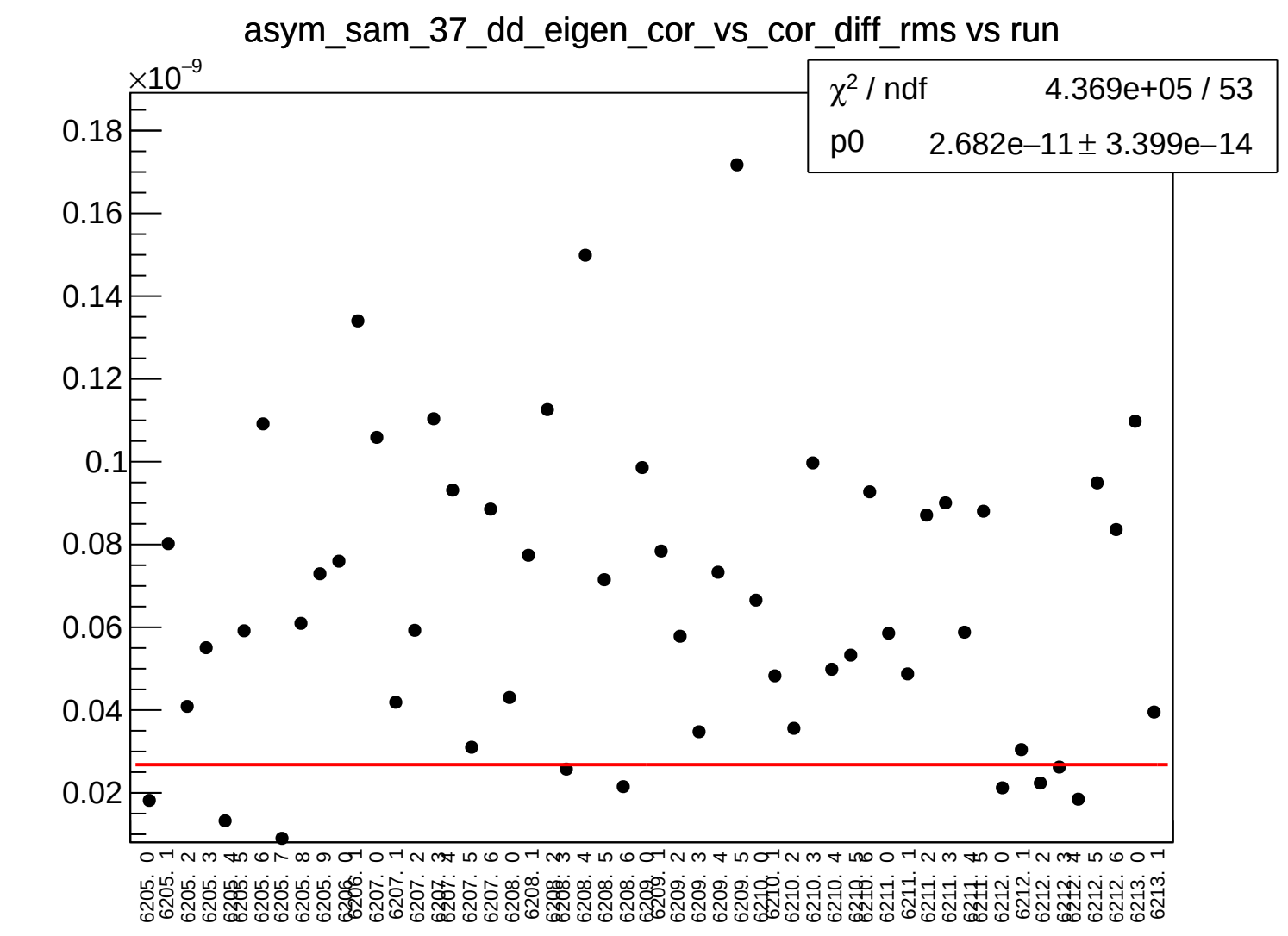
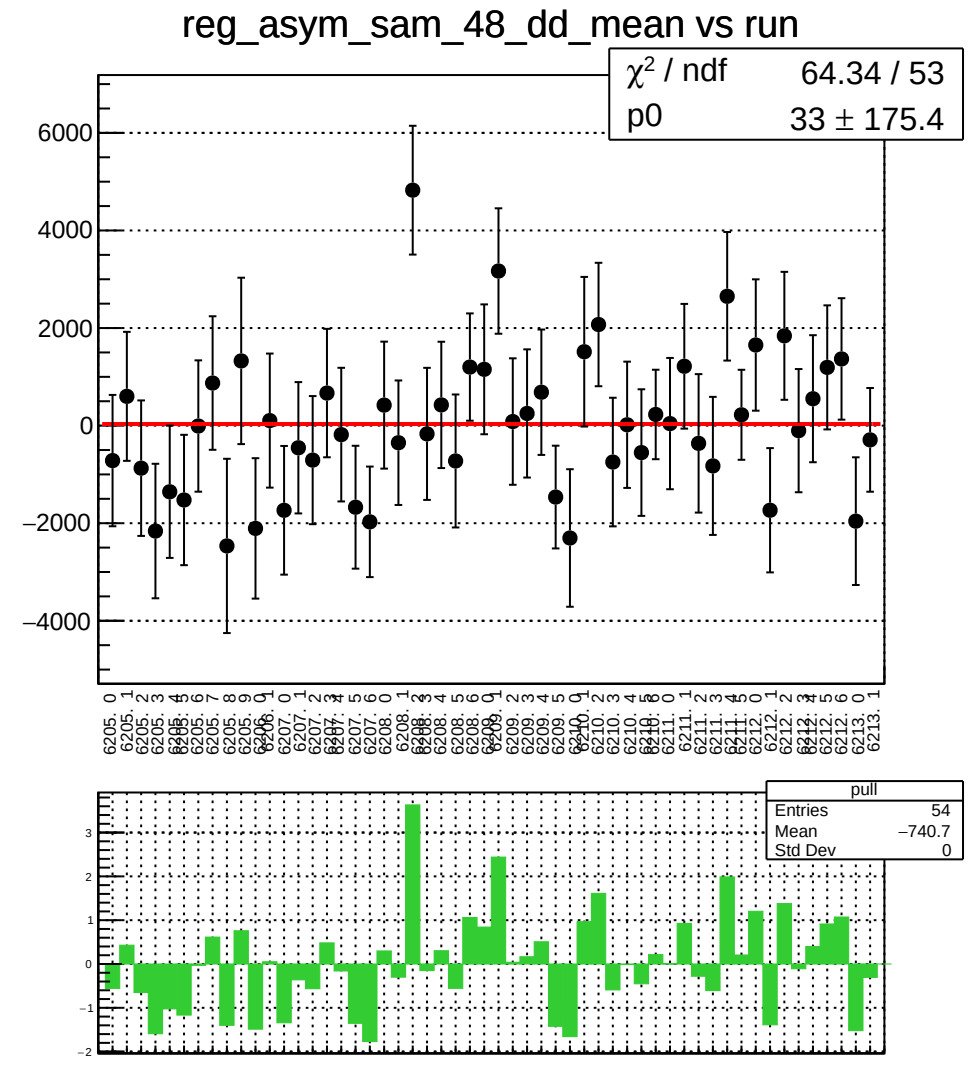
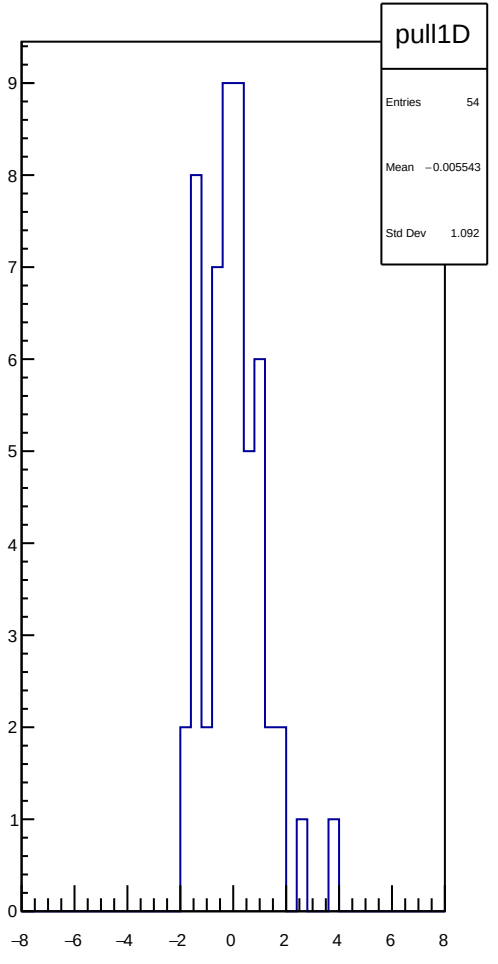
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

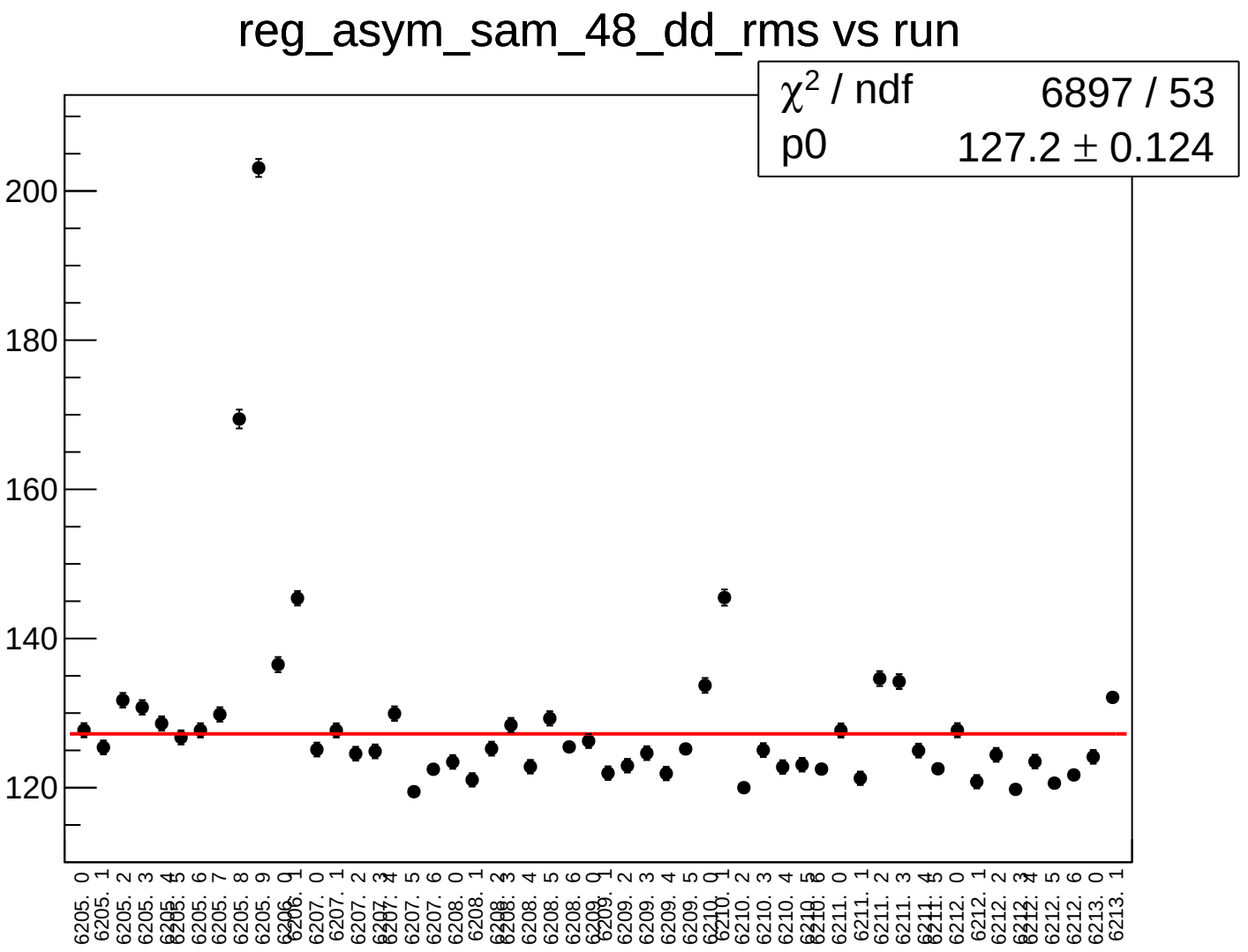

asym_sam_37_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 50.9 / 53
p0 4.453e−14 ± 4.807e−14
pull
Entries 54
Mean −5.746
Std Dev 0


pull1D
Entries 54
Mean 0.09984
Std Dev 0.9657


asym_sam_37_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.369e+05 / 53
p0 2.682e−11 ± 3.399e−14
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


reg_asym_sam_48_dd_mean vs run
χ² / ndf 64.34 / 53
p0 33 ± 175.4
pull
Entries 54
Mean −740.7
Std Dev 0


pull1D
Entries 54
Mean −0.005543
Std Dev 1.092


reg_asym_sam_48_dd_rms vs run
χ² / ndf 6897 / 53
p0 127.2 ± 0.124
200
180
160
140
120
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
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6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
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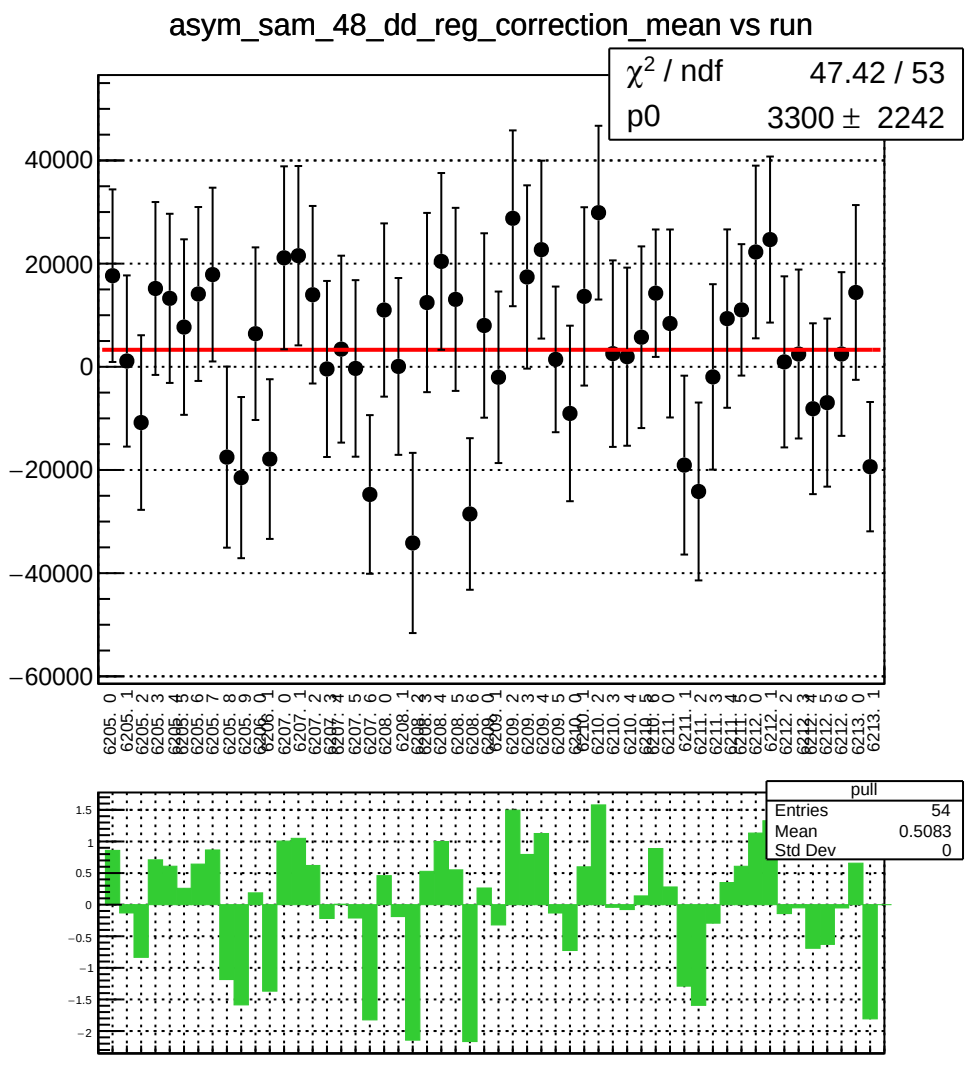
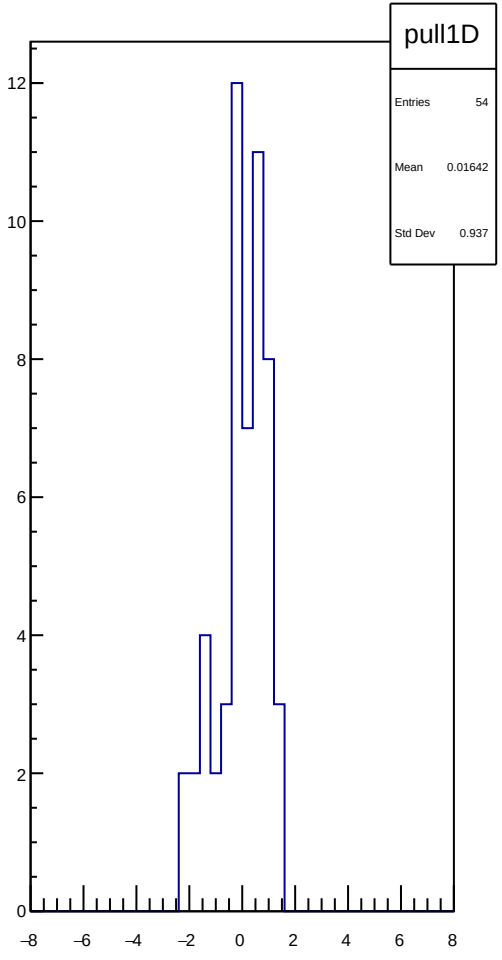
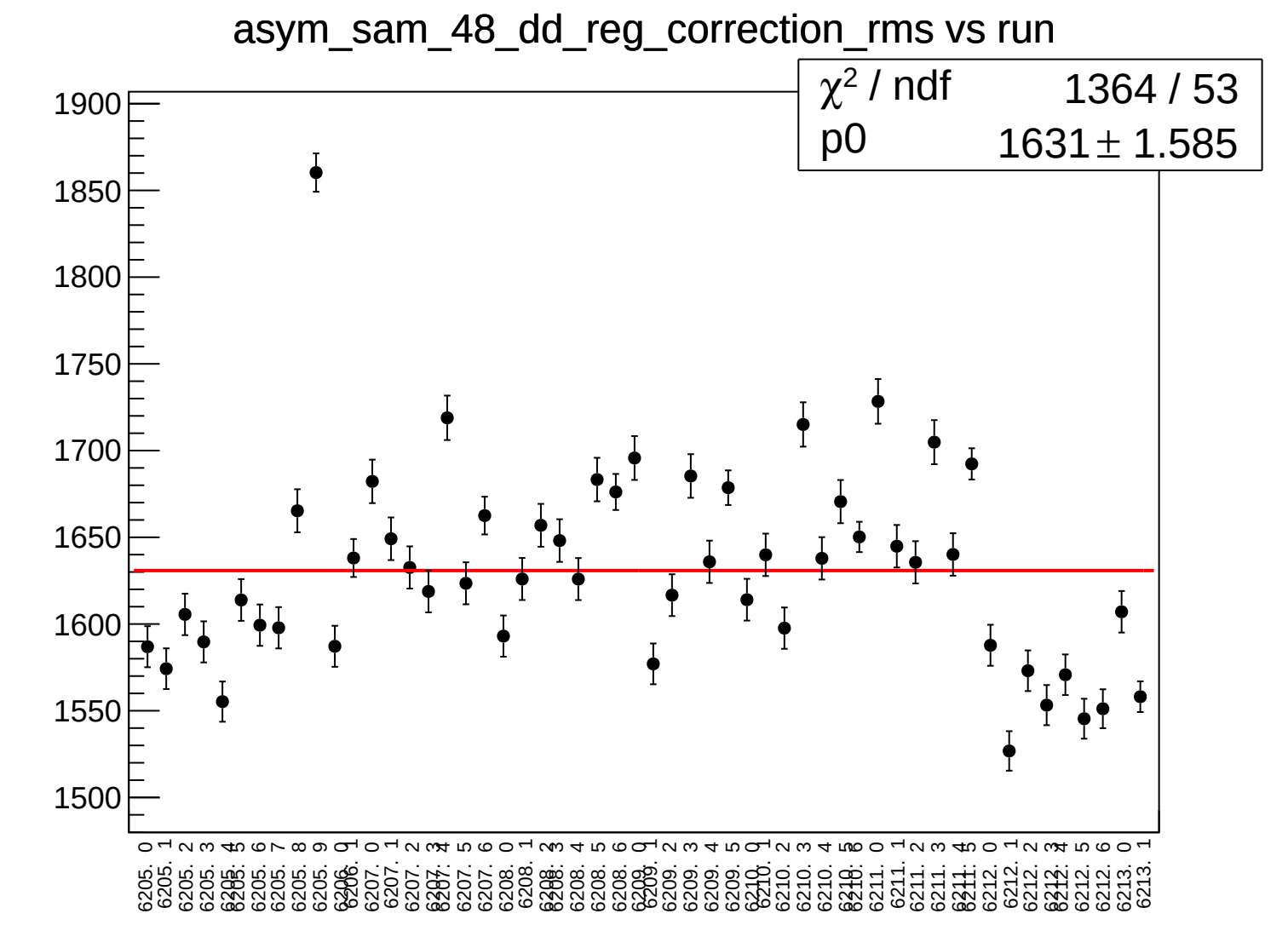
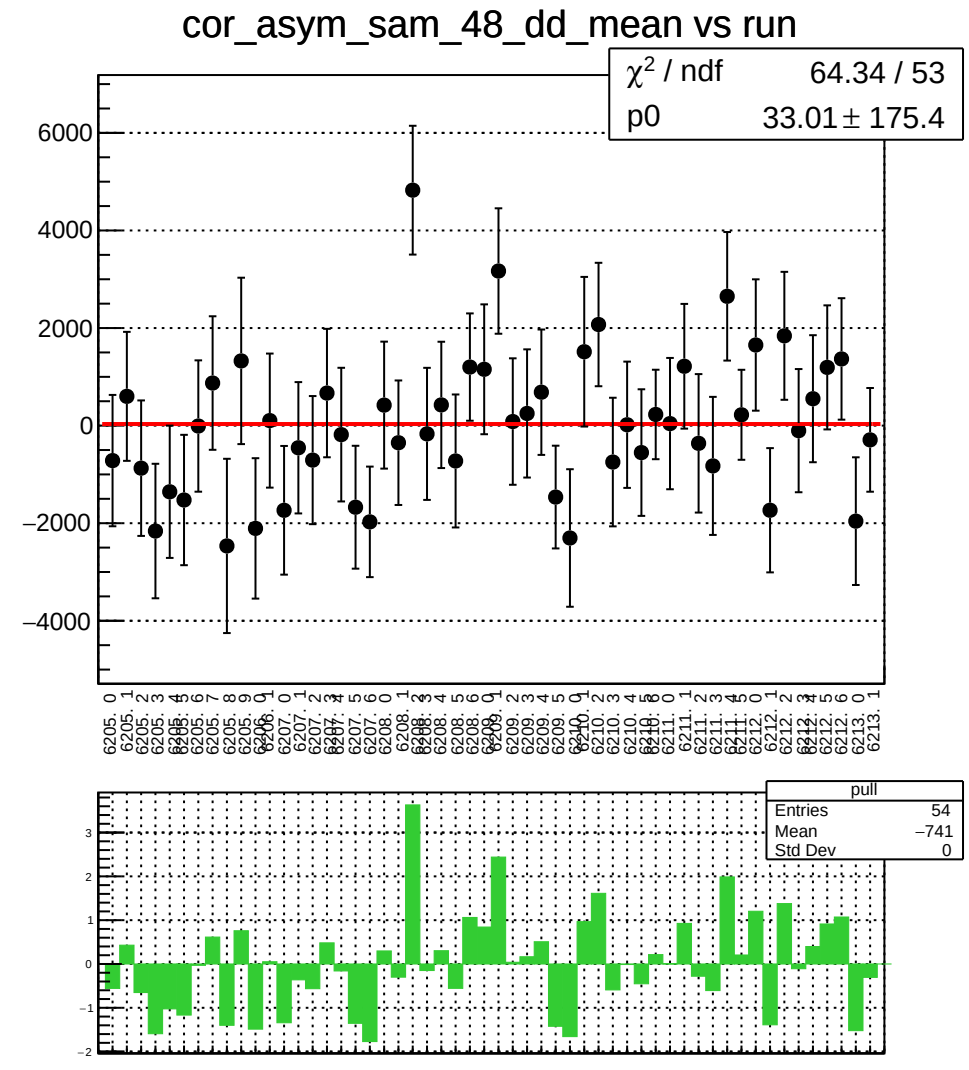
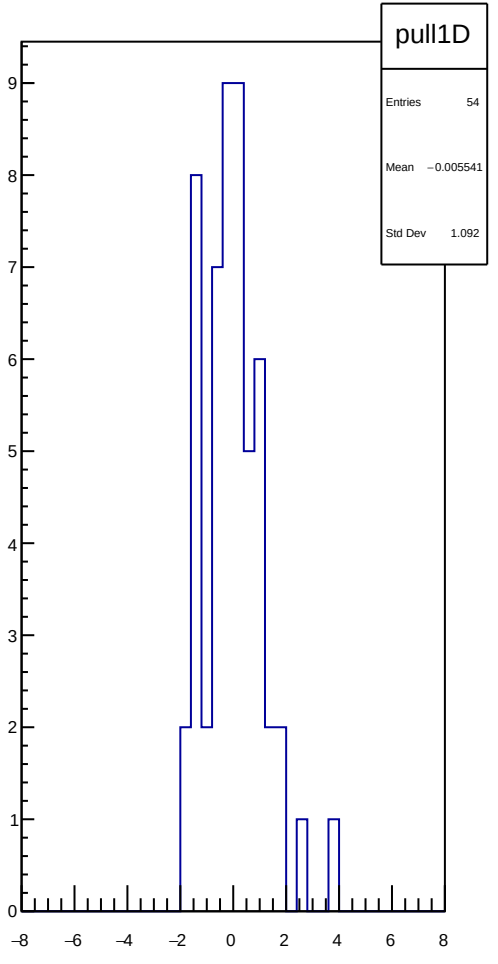
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

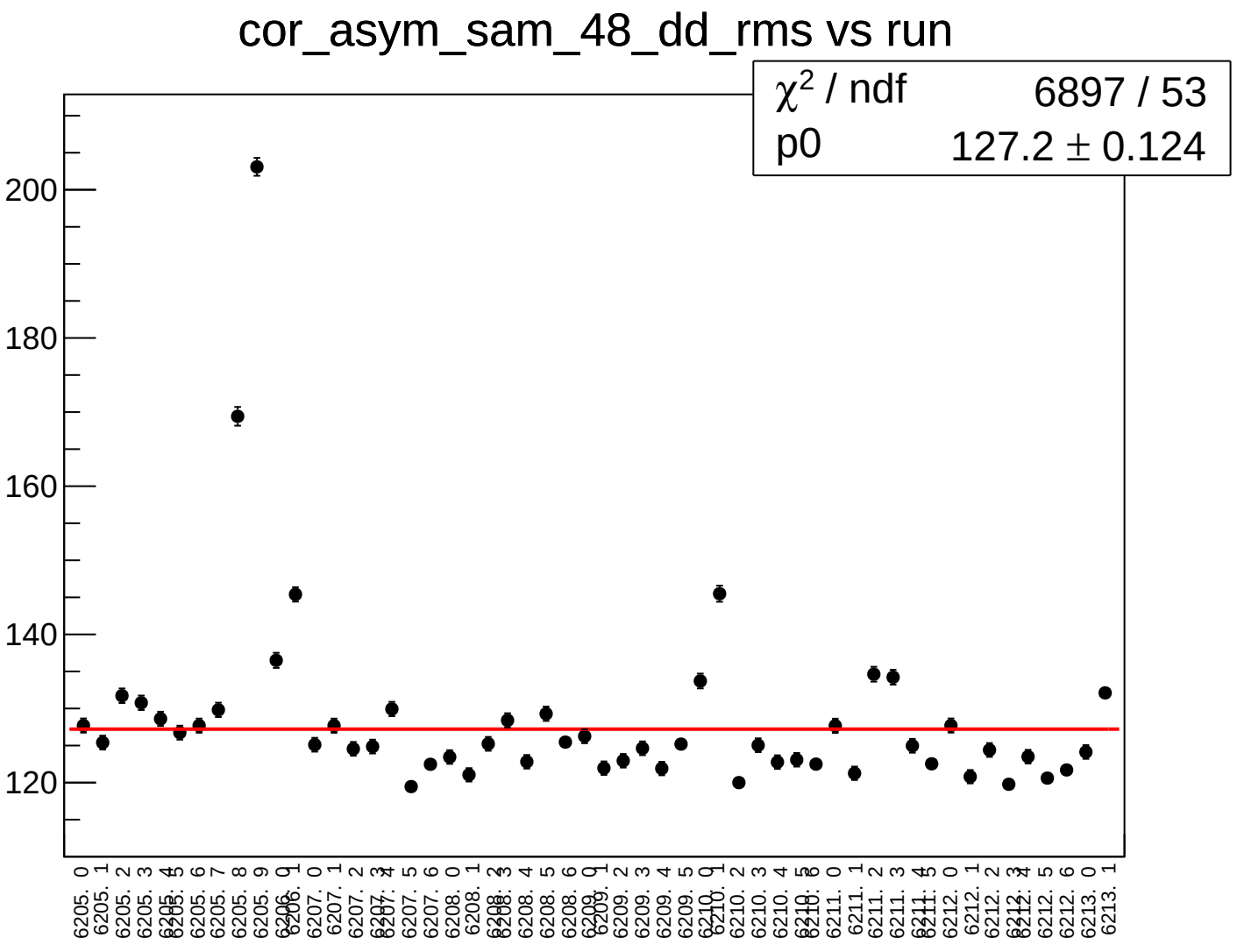

asym_sam_48_dd_reg_correction_mean vs run
χ² / ndf 47.42 / 53
p0 3300 ± 2242
pull
Entries 54
Mean 0.5083
Std Dev 0


pull1D
Entries 54
Mean 0.01642
Std Dev 0.937


asym_sam_48_dd_reg_correction_rms vs run
χ² / ndf 1364 / 53
p0 1631 ± 1.585
1900
1850
1800
1750
1700
1650
1600
1550
1500
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


cor_asym_sam_48_dd_mean vs run
χ² / ndf 64.34 / 53
p0 33.01 ± 175.4
pull
Entries 54
Mean −741
Std Dev 0


pull1D
Entries 54
Mean −0.005541
Std Dev 1.092


cor_asym_sam_48_dd_rms vs run
χ² / ndf 6897 / 53
p0 127.2 ± 0.124
200
180
160
140
120
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
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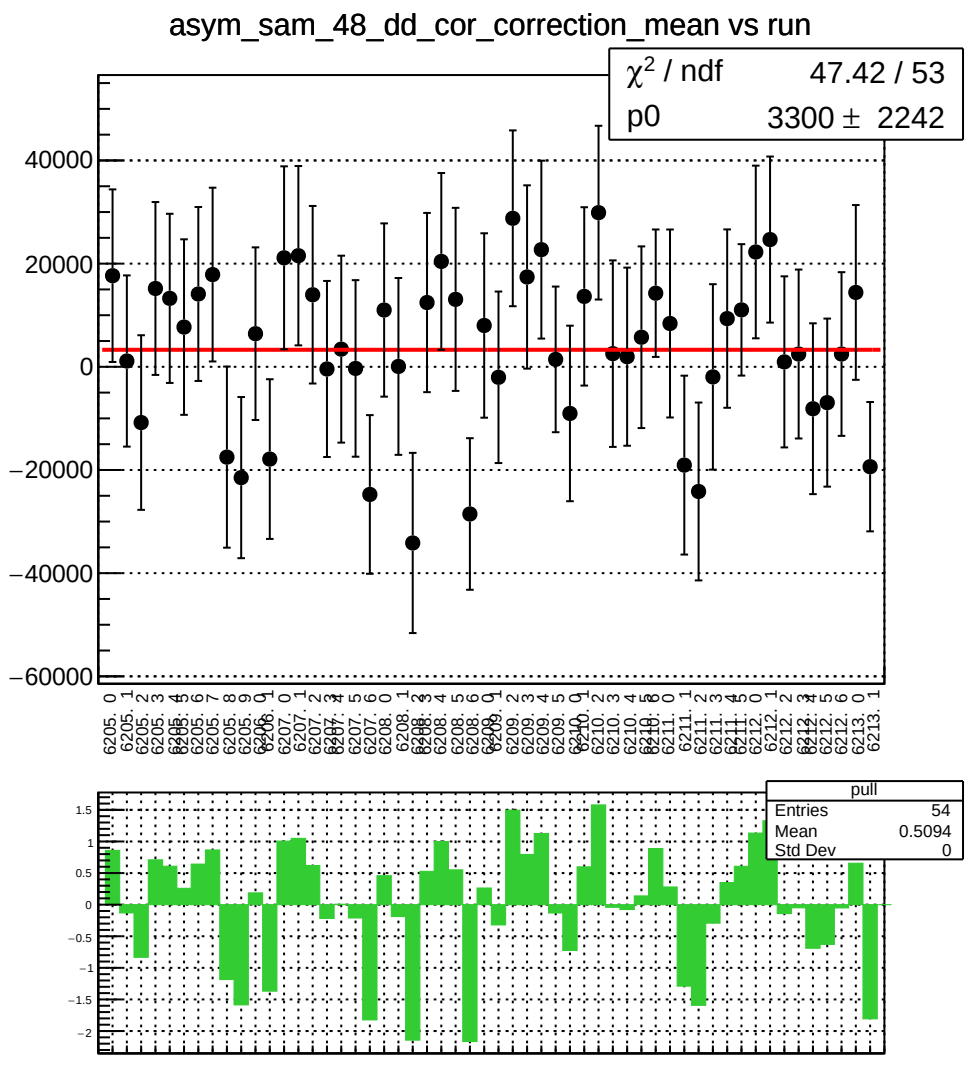
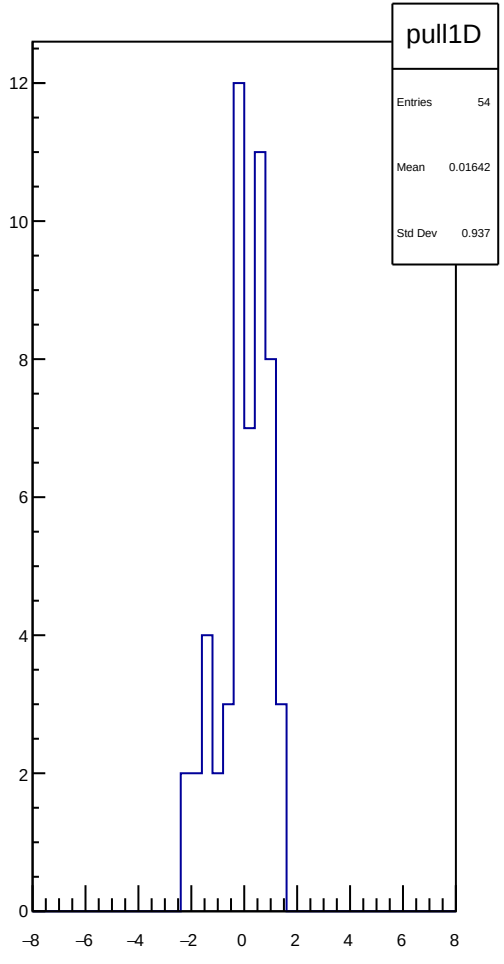
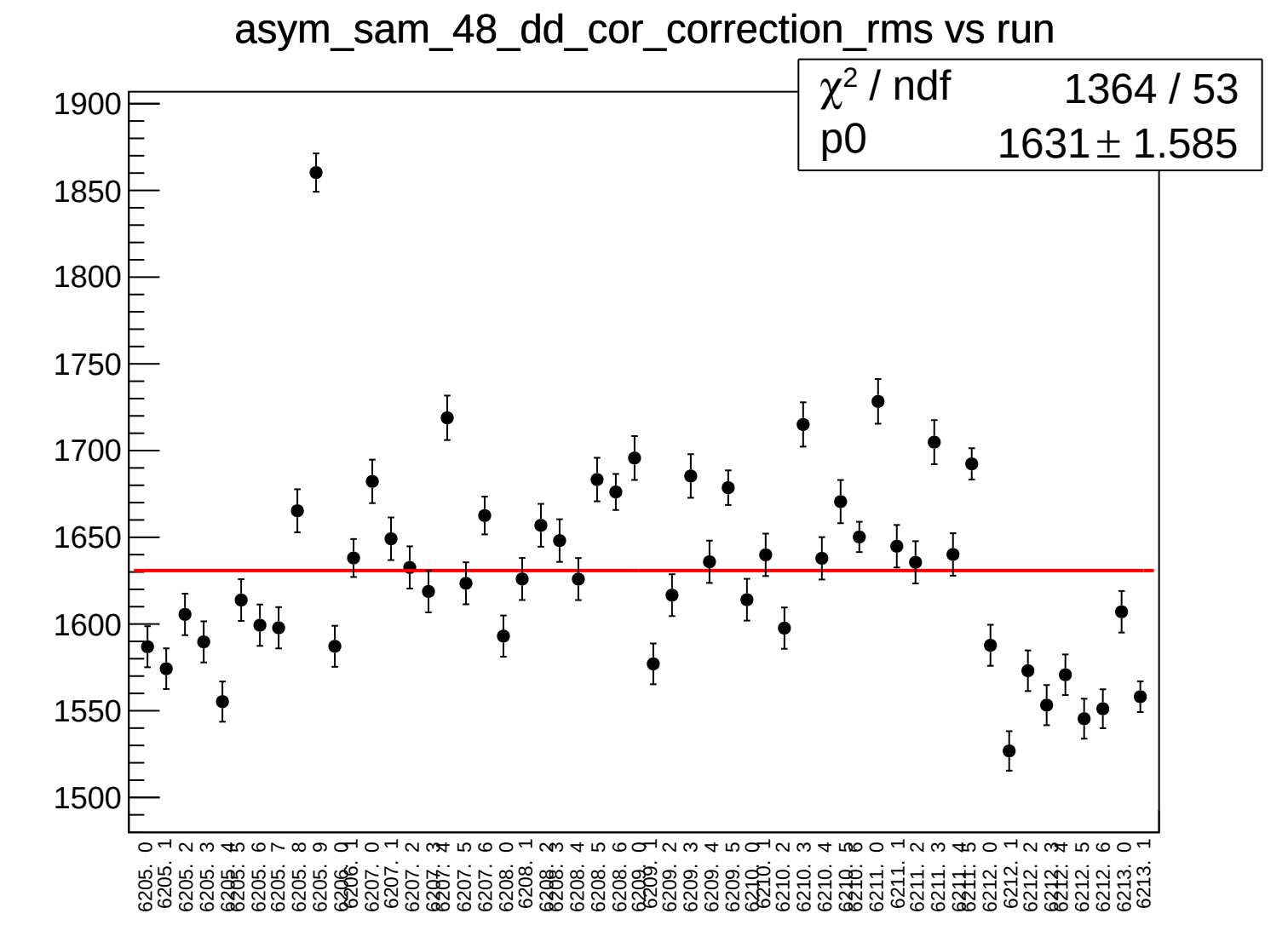
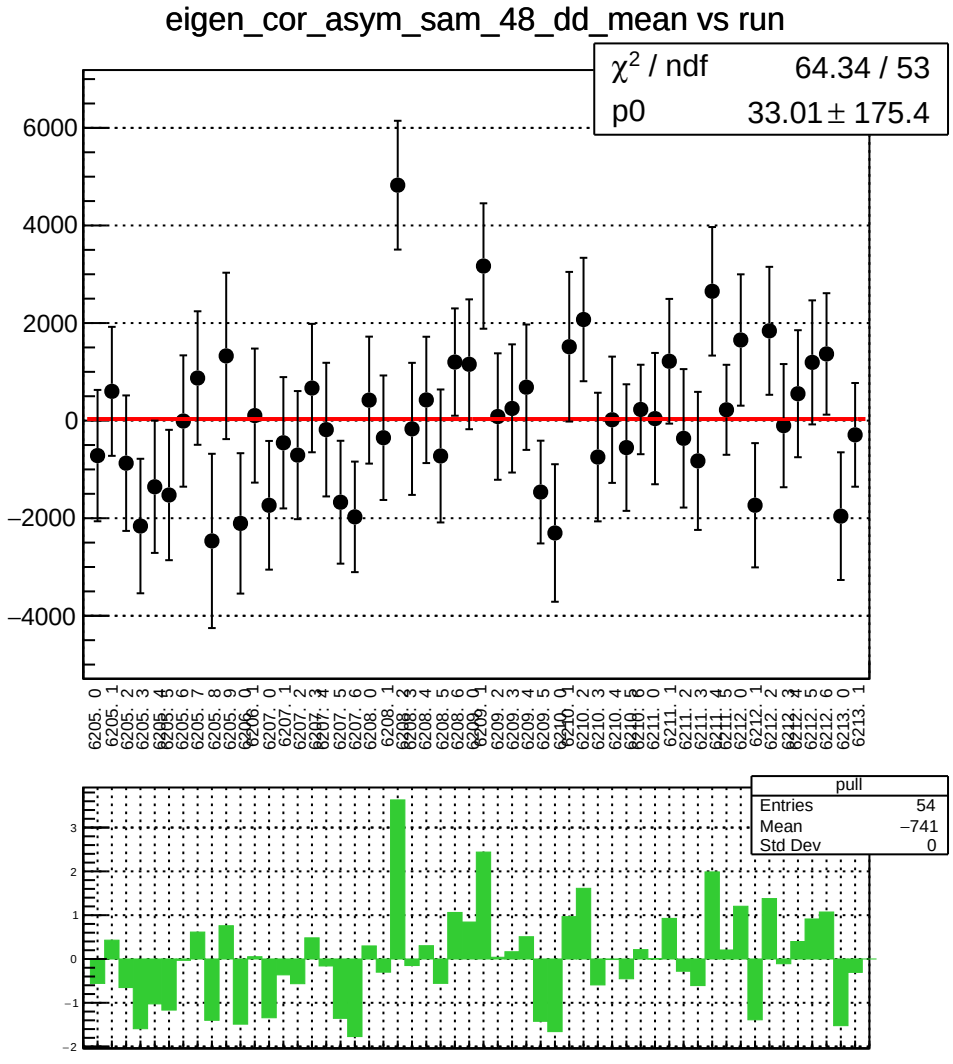
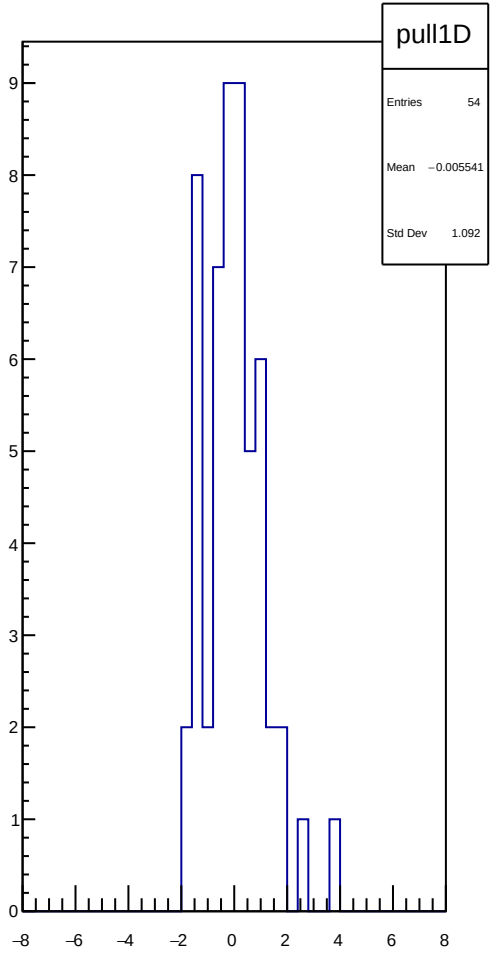
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

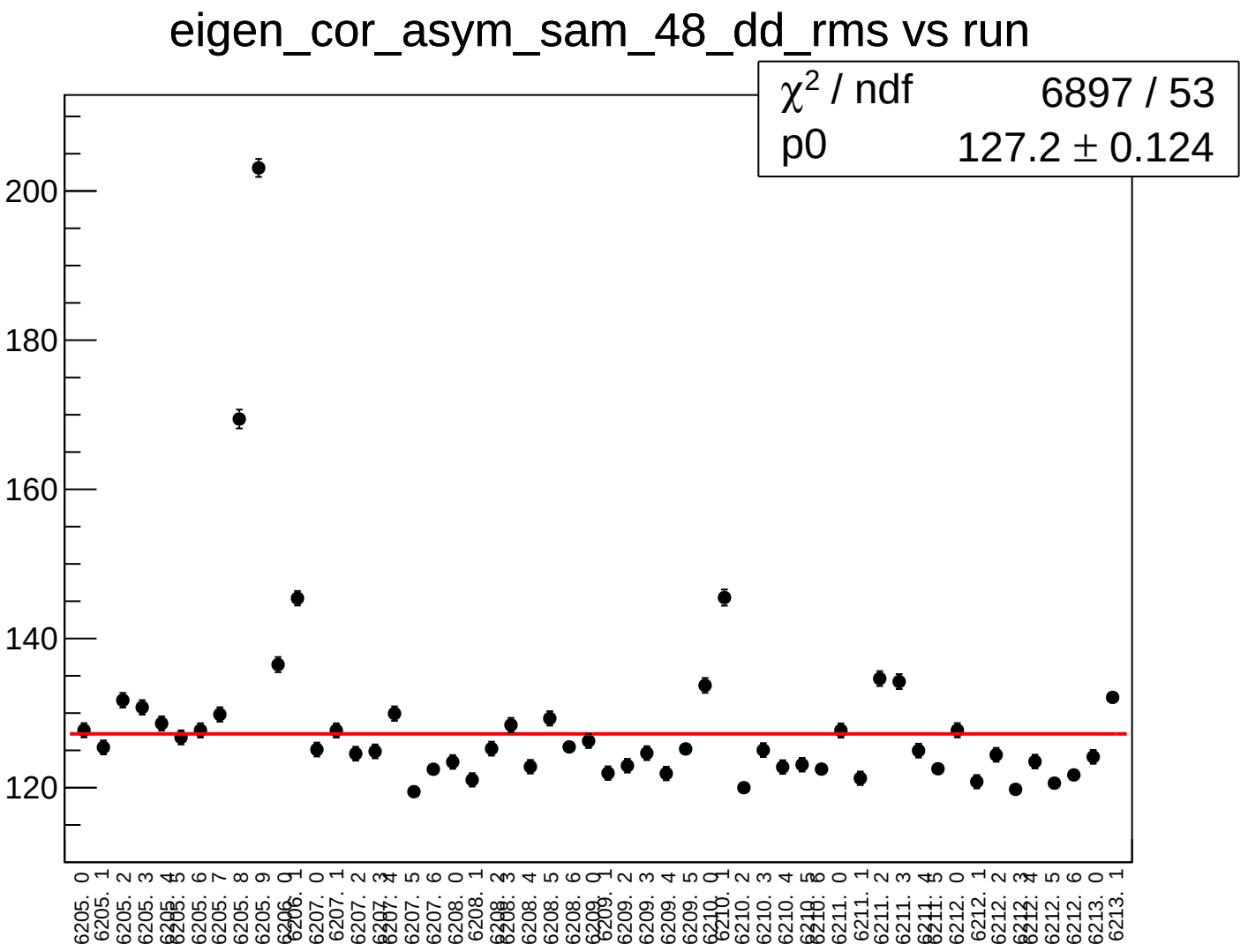

asym_sam_48_dd_cor_correction_mean vs run
χ² / ndf 47.42 / 53
p0 3300 ± 2242
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 0.5094
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 54
Mean 0.01642
Std Dev 0.937
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_48_dd_cor_correction_rms vs run
χ² / ndf 1364 / 53
p0 1631 ± 1.585
1900
1850
1800
1750
1700
1650
1600
1550
1500
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


eigen_cor_asym_sam_48_dd_mean vs run
χ² / ndf 64.34 / 53
p0 33.01 ± 175.4
pull
Entries 54
Mean −741
Std Dev 0


pull1D
Entries 54
Mean −0.005541
Std Dev 1.092


eigen_cor_asym_sam_48_dd_rms vs run
χ² / ndf 6897 / 53
p0 127.2 ± 0.124
200
180
160
140
120
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
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6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
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6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
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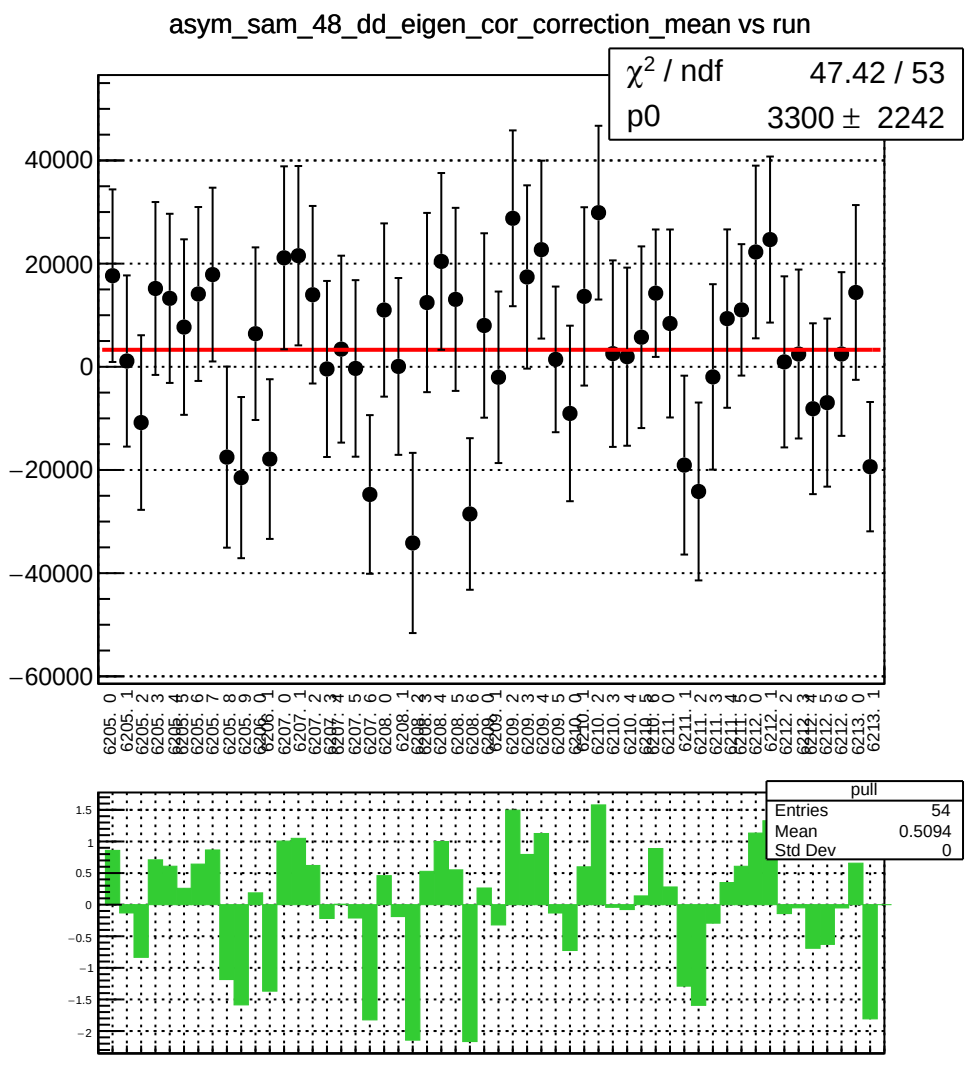
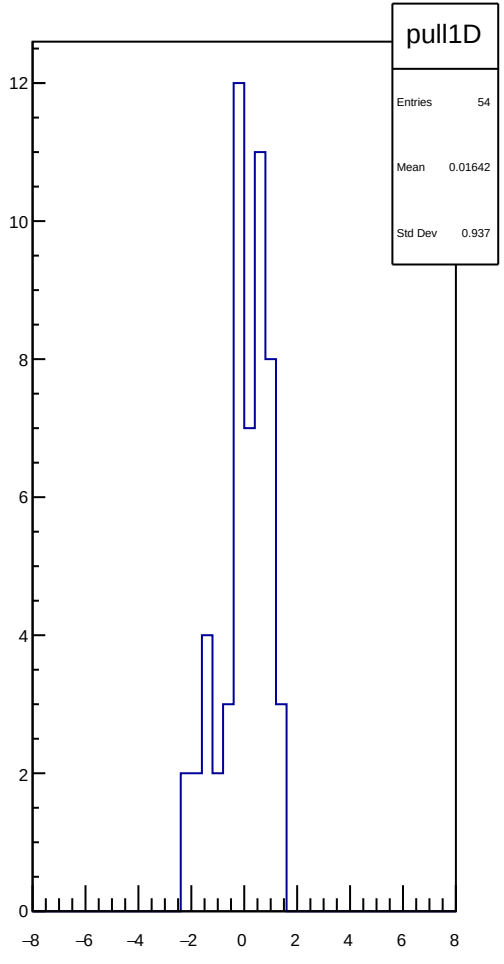
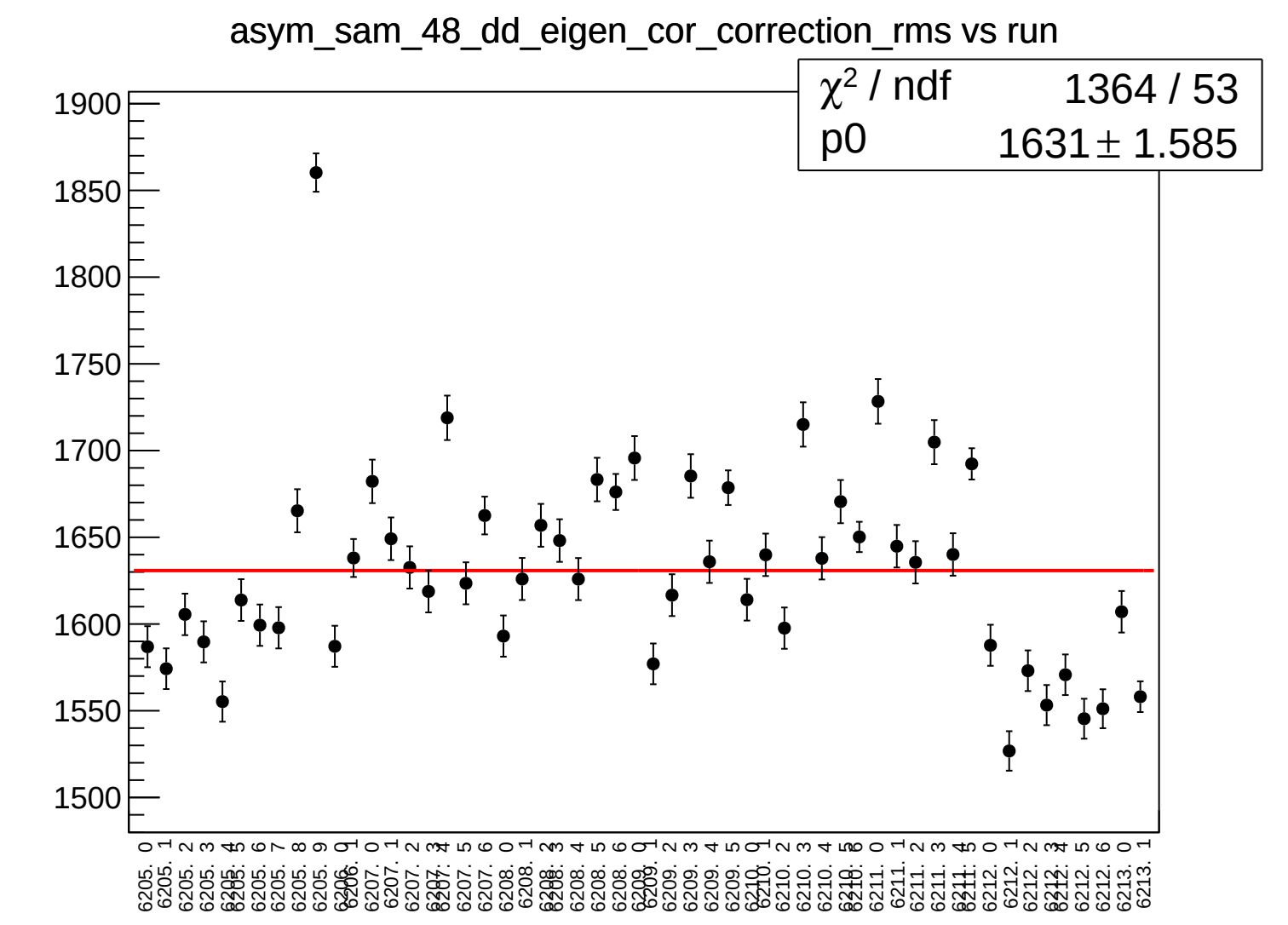
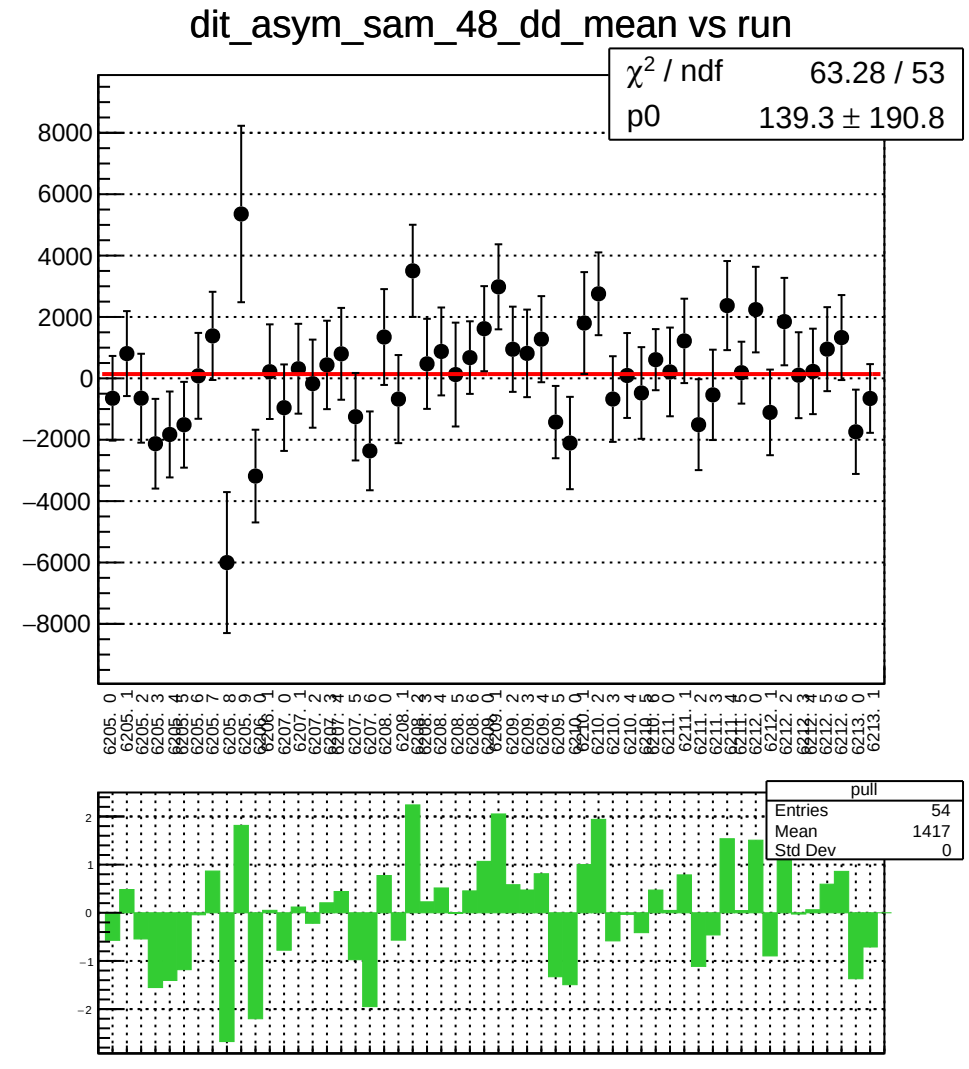
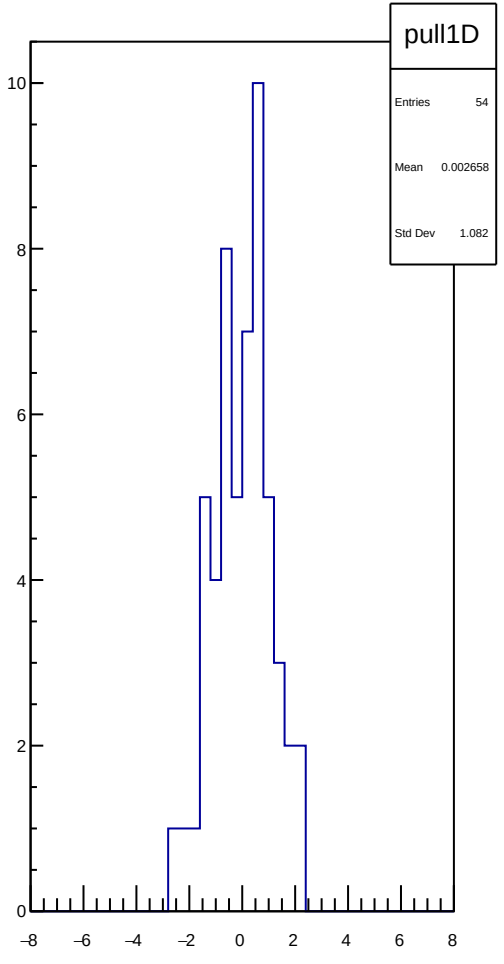
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

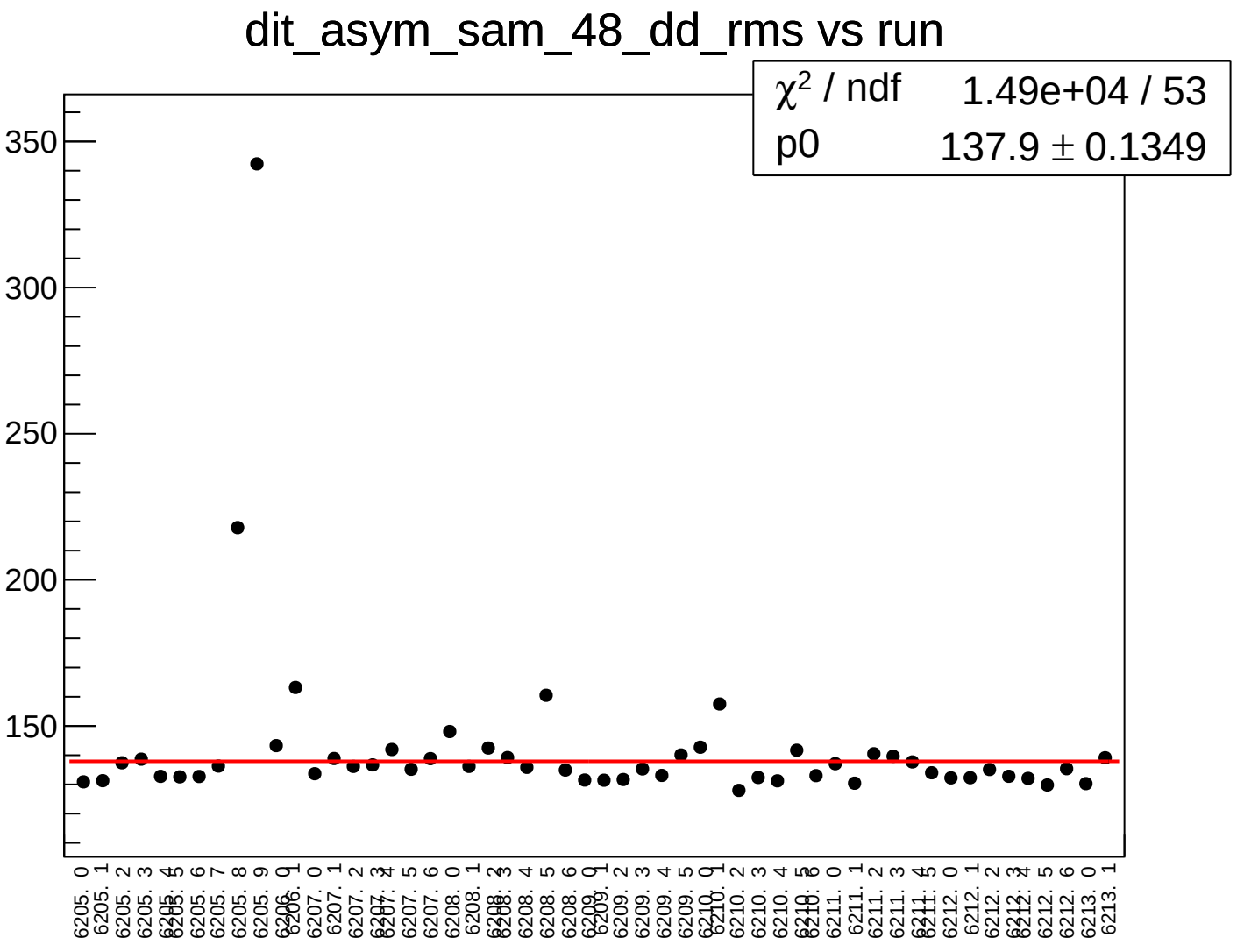

asym_sam_48_dd_eigen_cor_correction_mean vs run
χ² / ndf 47.42 / 53
p0 3300 ± 2242
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 0.5094
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 54
Mean 0.01642
Std Dev 0.937
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_48_dd_eigen_cor_correction_rms vs run
χ² / ndf 1364 / 53
p0 1631 ± 1.585
1900
1850
1800
1750
1700
1650
1600
1550
1500
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


dit_asym_sam_48_dd_mean vs run
χ² / ndf 63.28 / 53
p0 139.3 ± 190.8
pull
Entries 54
Mean 1417
Std Dev 0


pull1D
Entries 54
Mean 0.002658
Std Dev 1.082


dit_asym_sam_48_dd_rms vs run
χ² / ndf 1.49e+04 / 53
p0 137.9 ± 0.1349
350
300
250
200
150
6205. 0
6205. 1
6205. 2
6205. 3
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 1
6209. 2
6209. 3
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6211. 0
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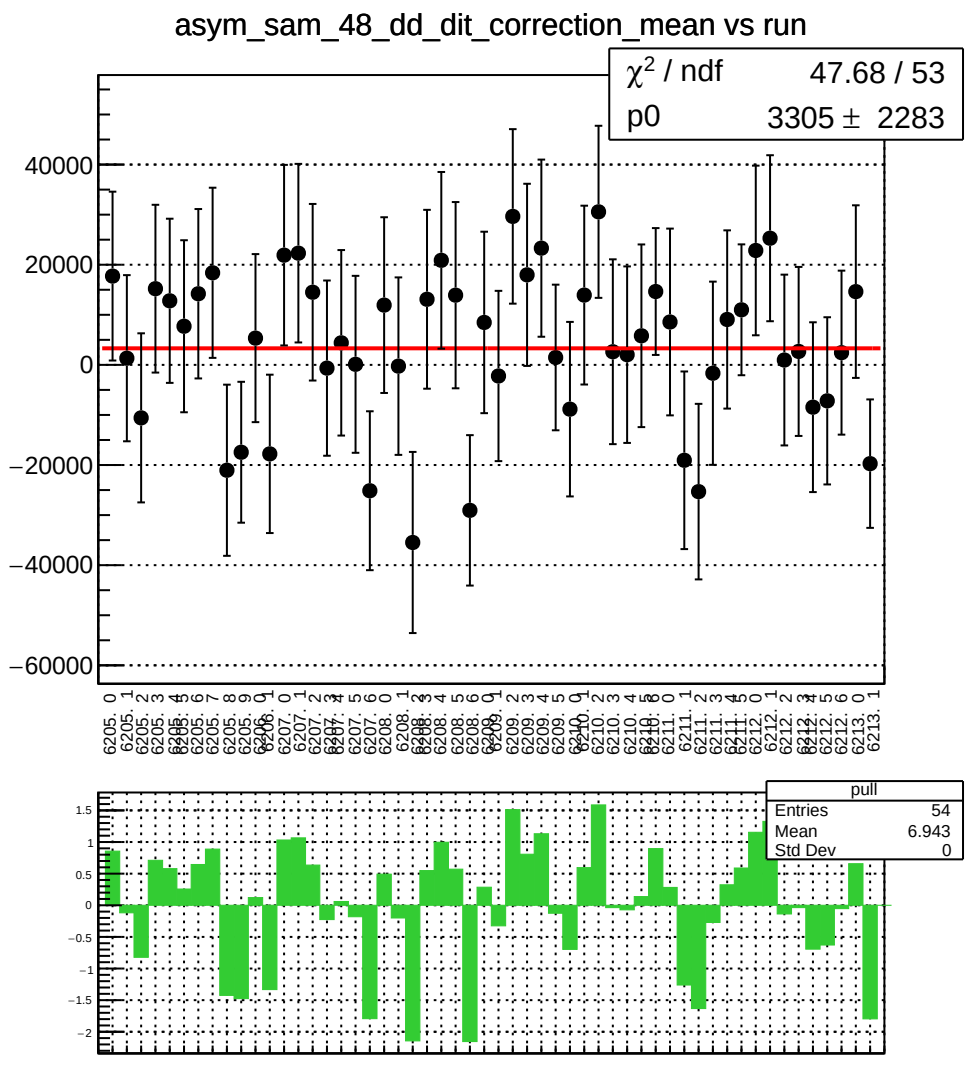
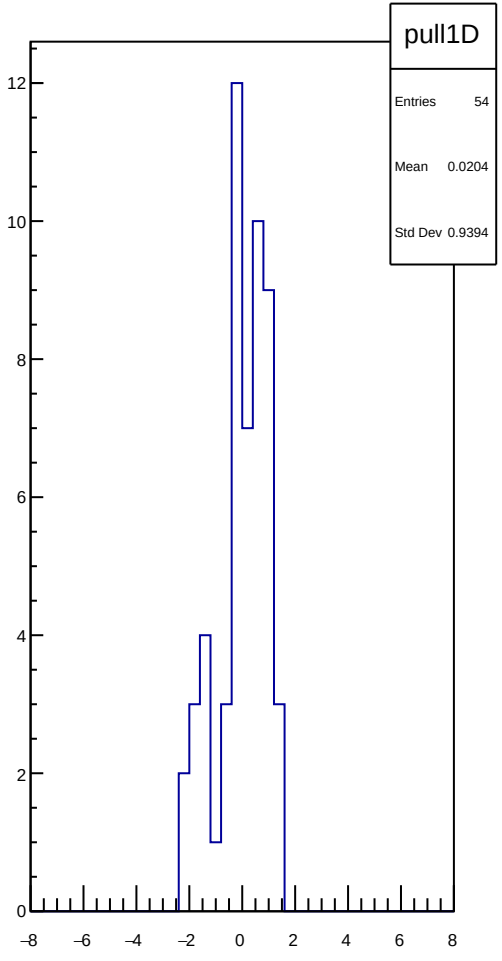
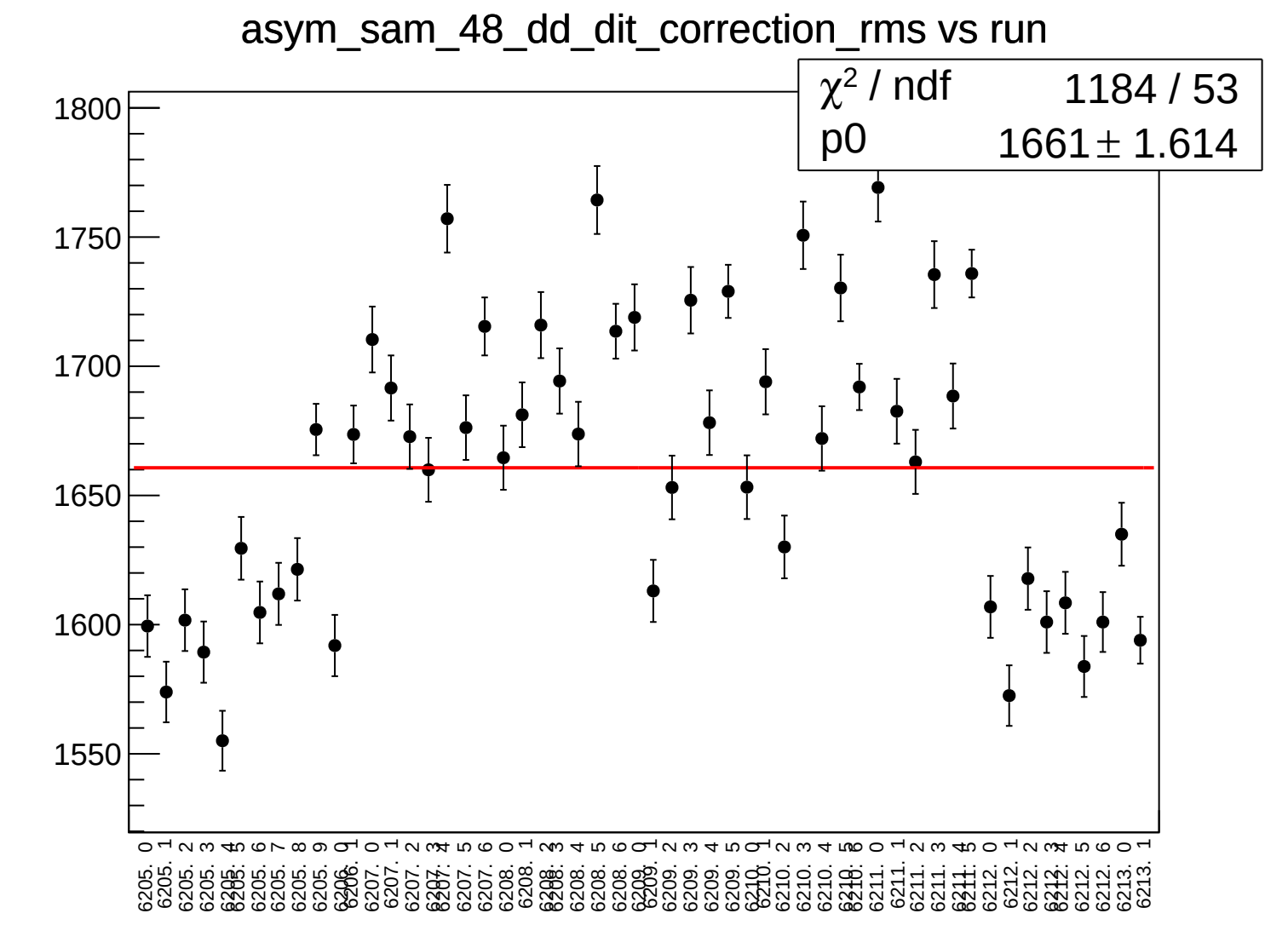
6212. 6
6213. 0
6213. 1


asym_sam_48_dd_dit_correction_mean vs run
χ² / ndf 47.68 / 53
p0 3305 ± 2283
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 6.943
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 54
Mean 0.0204
Std Dev 0.9394
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_48_dd_dit_correction_rms vs run
χ² / ndf 1184 / 53
p0 1661 ± 1.614
1800
1750
1700
1650
1600
1550
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
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6209. 2
6209. 3
6209. 4
6209. 5
6209. 6
6210. 1
6210. 2
6210. 3
6210. 4
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6211. 0
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6211. 2
6211. 3
6211. 4
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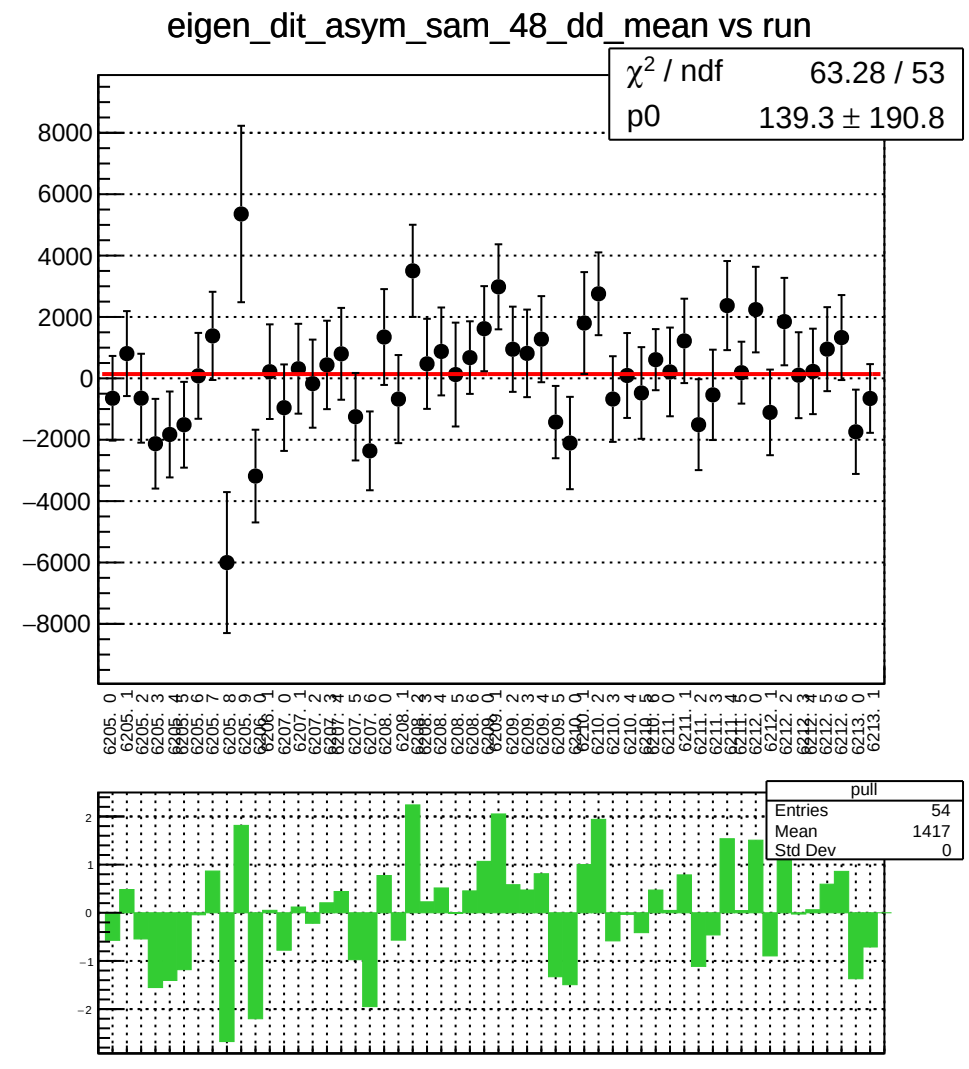
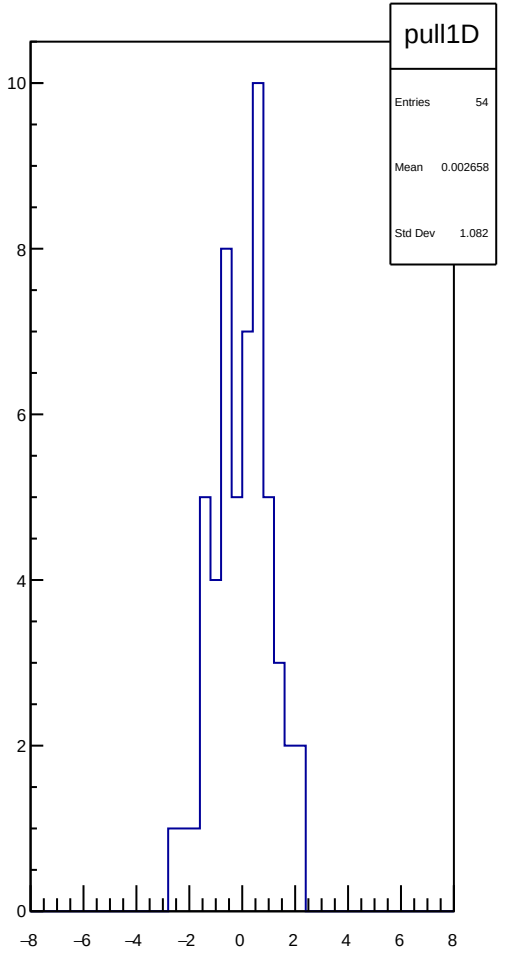
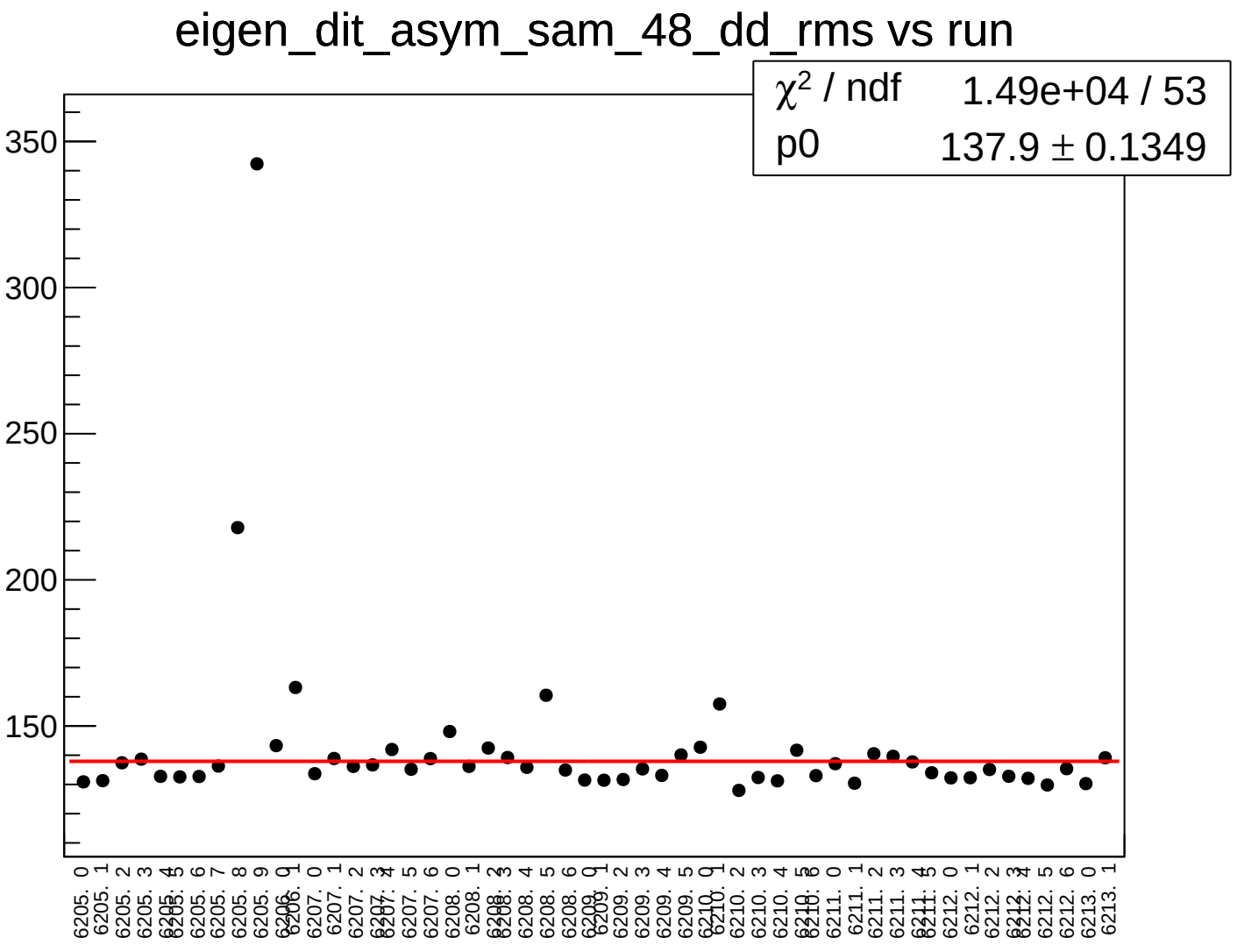
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


eigen_dit_asym_sam_48_dd_mean vs run
χ² / ndf 63.28 / 53
p0 139.3 ± 190.8
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
pull
Entries 54
Mean 1417
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 54
Mean 0.002658
Std Dev 1.082
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_dit_asym_sam_48_dd_rms vs run
χ² / ndf 1.49e+04 / 53
p0 137.9 ± 0.1349
350
300
250
200
150
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
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6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
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6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
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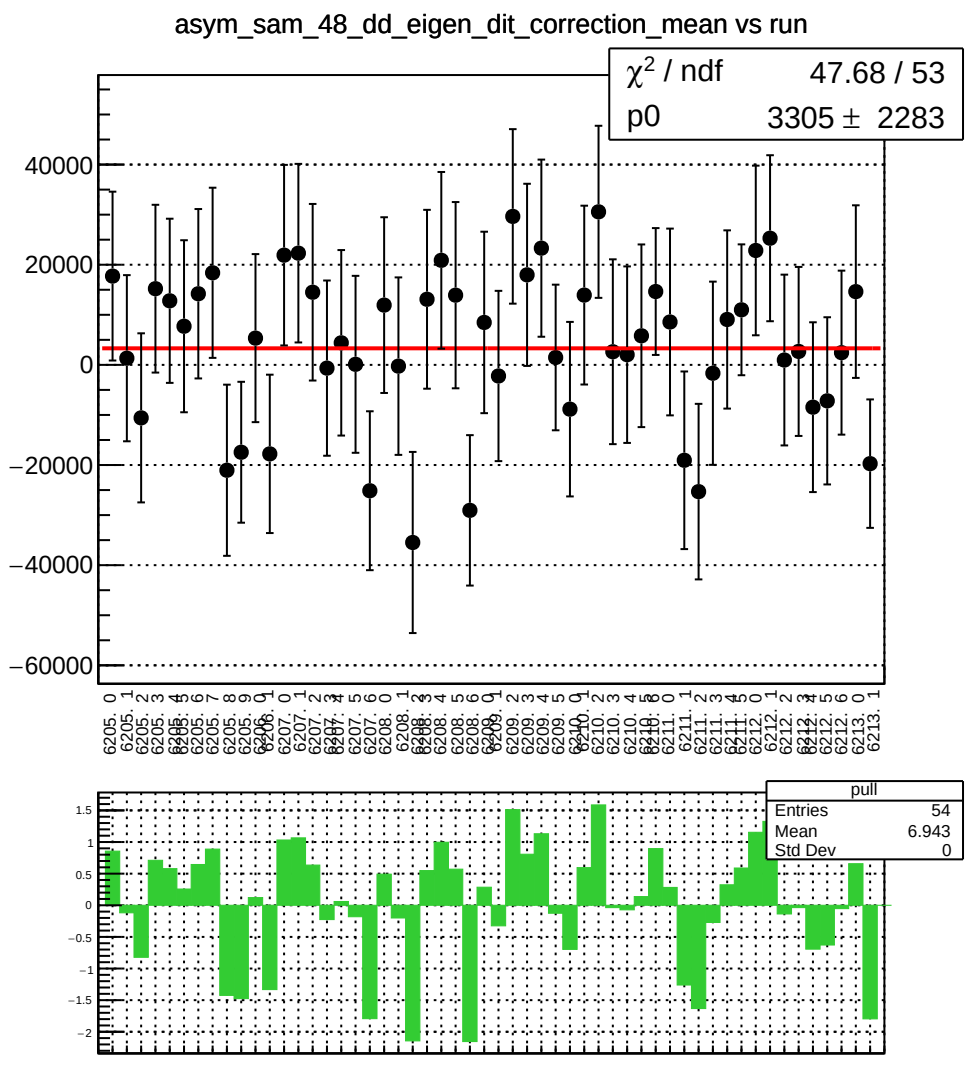
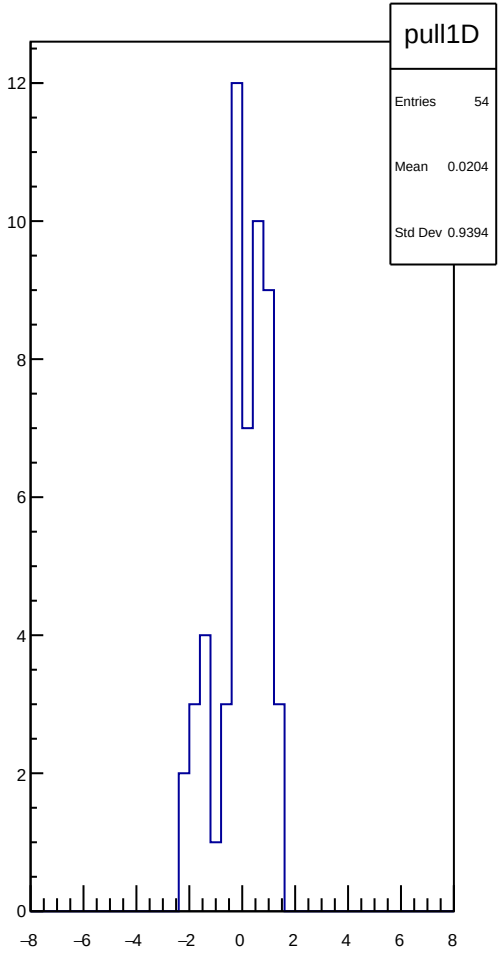
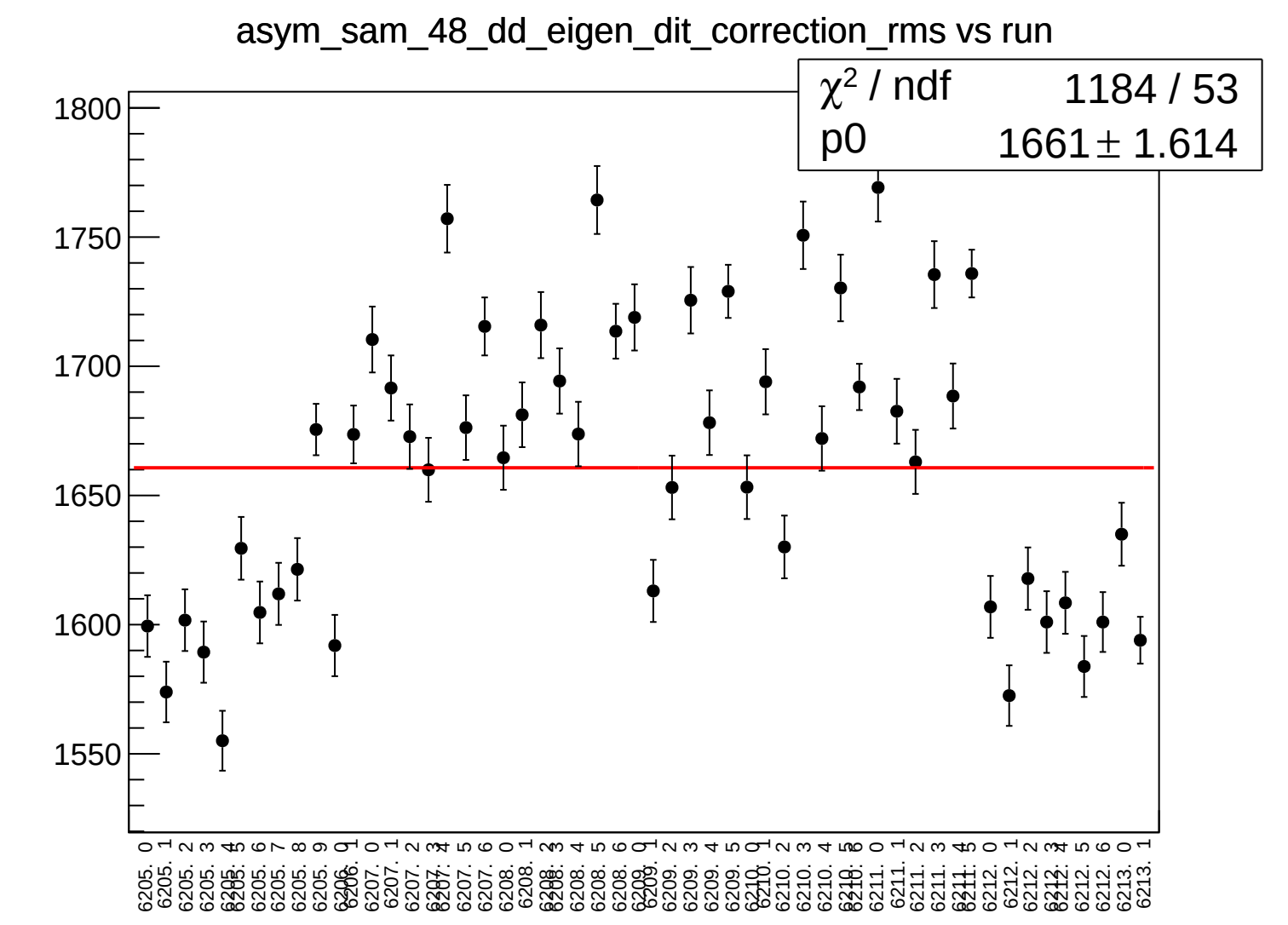
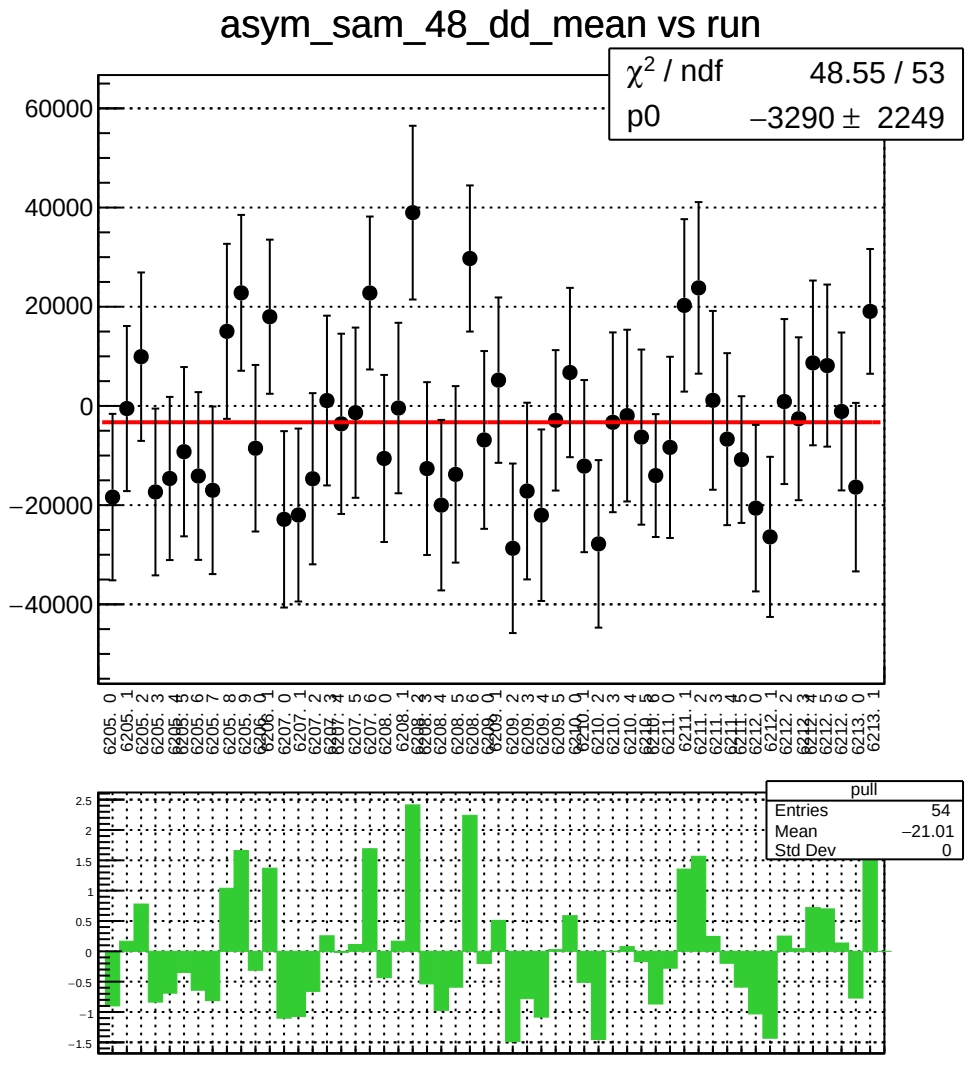
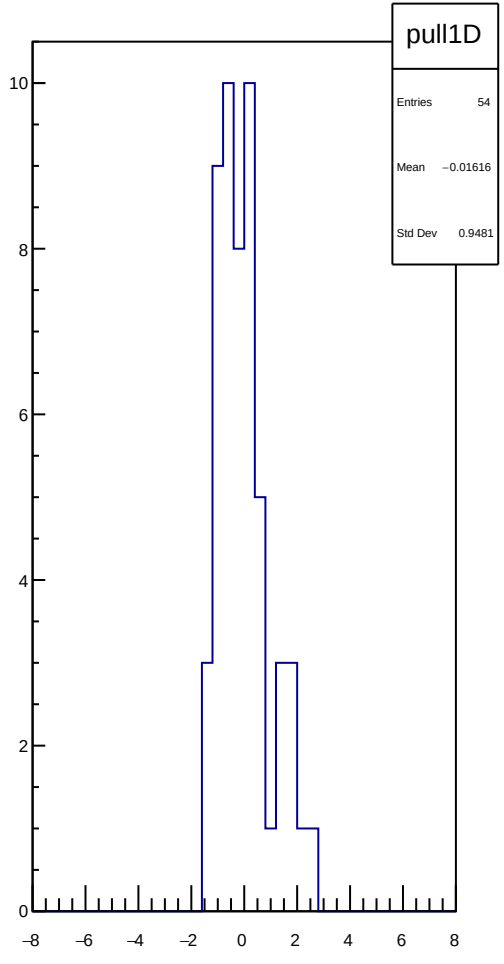
6212. 6
6213. 0
6213. 1

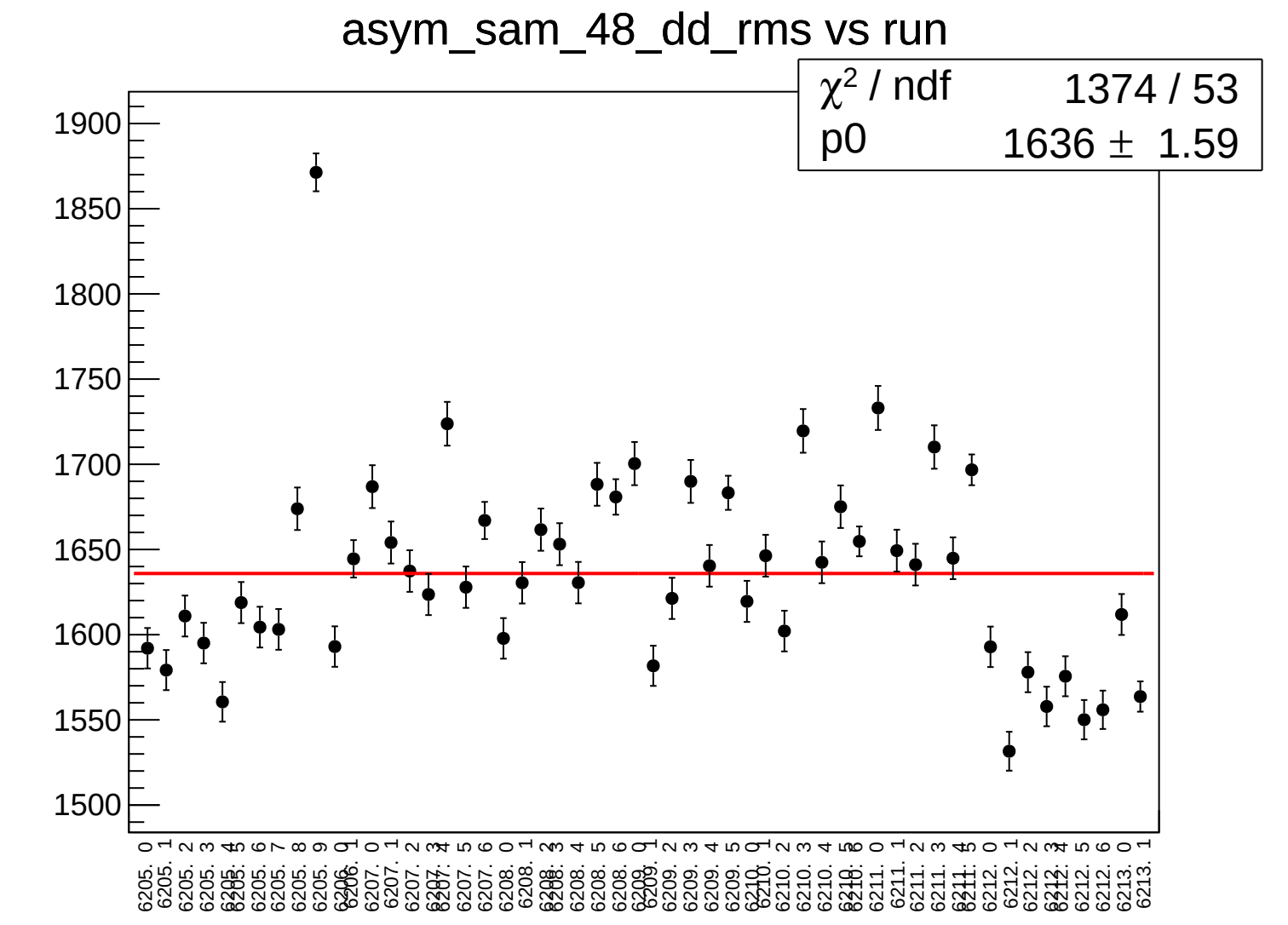

asym_sam_48_dd_eigen_dit_correction_mean vs run
χ² / ndf 47.68 / 53
p0 3305 ± 2283
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 6.943
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

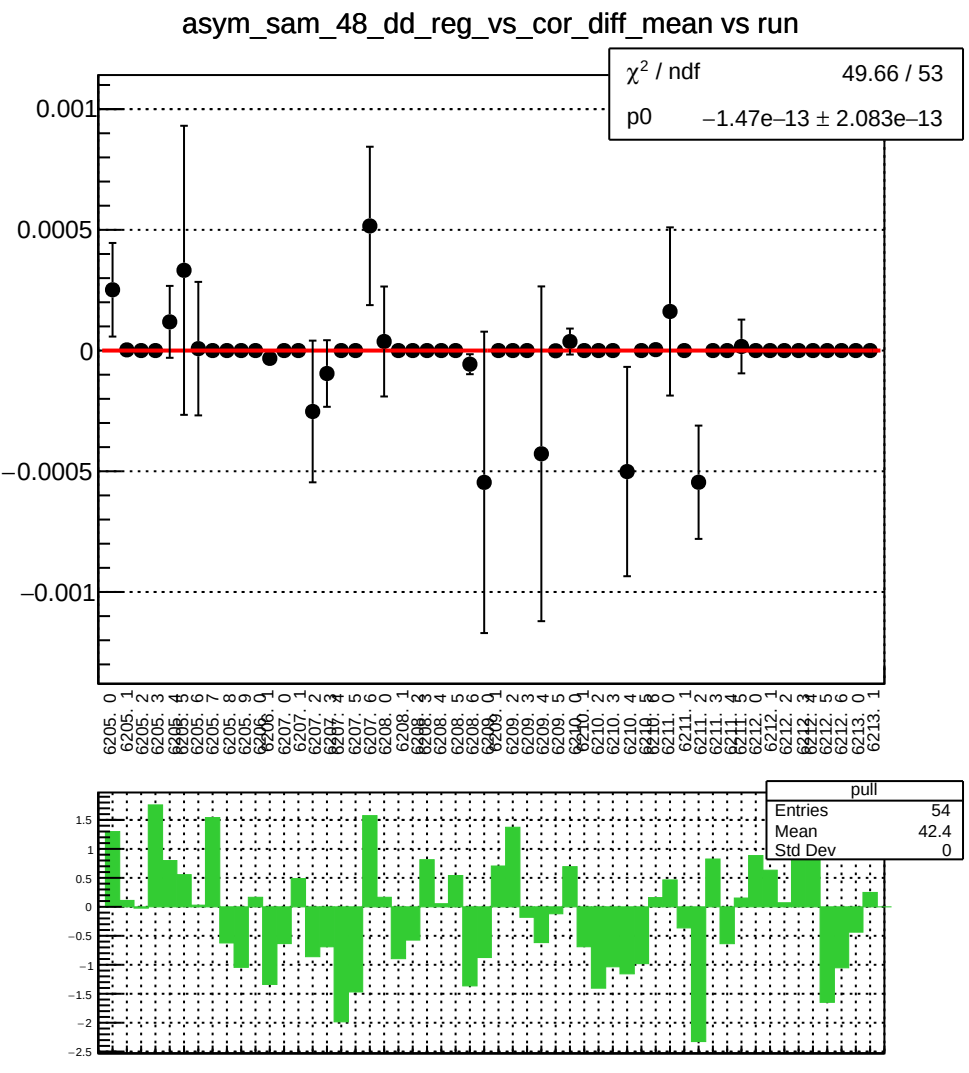

pull1D
Entries 54
Mean 0.0204
Std Dev 0.9394
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

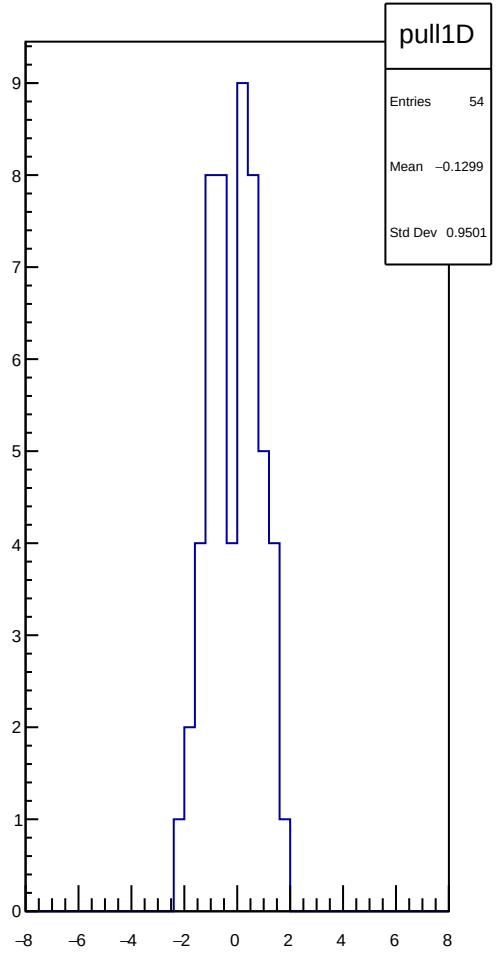

asym_sam_48_dd_eigen_dit_correction_rms vs run
χ² / ndf 1184 / 53
p0 1661 ± 1.614
1800
1750
1700
1650
1600
1550
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

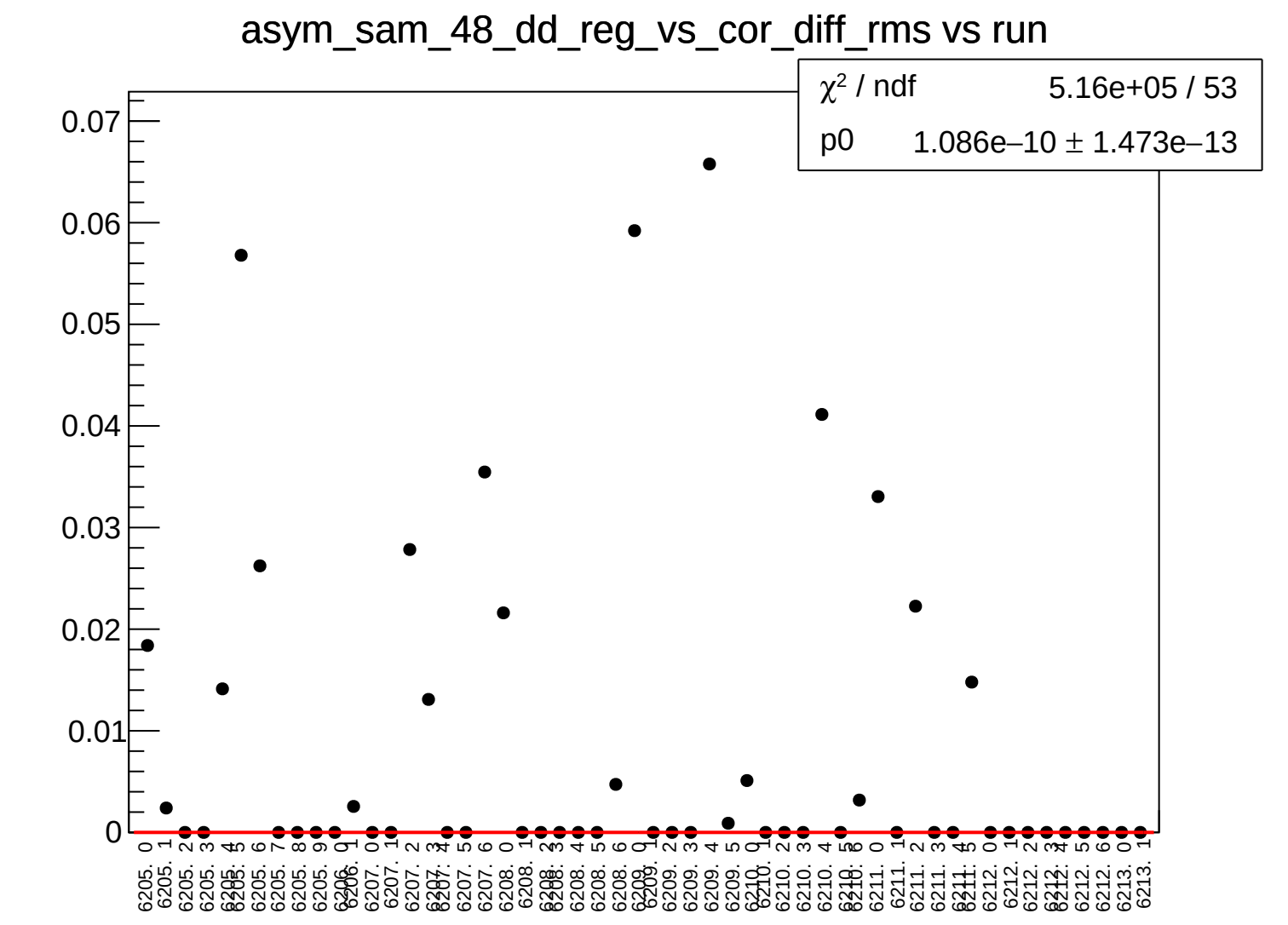

asym_sam_48_dd_mean vs run
χ² / ndf 48.55 / 53
p0 −3290 ± 2249
60000
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −21.01
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

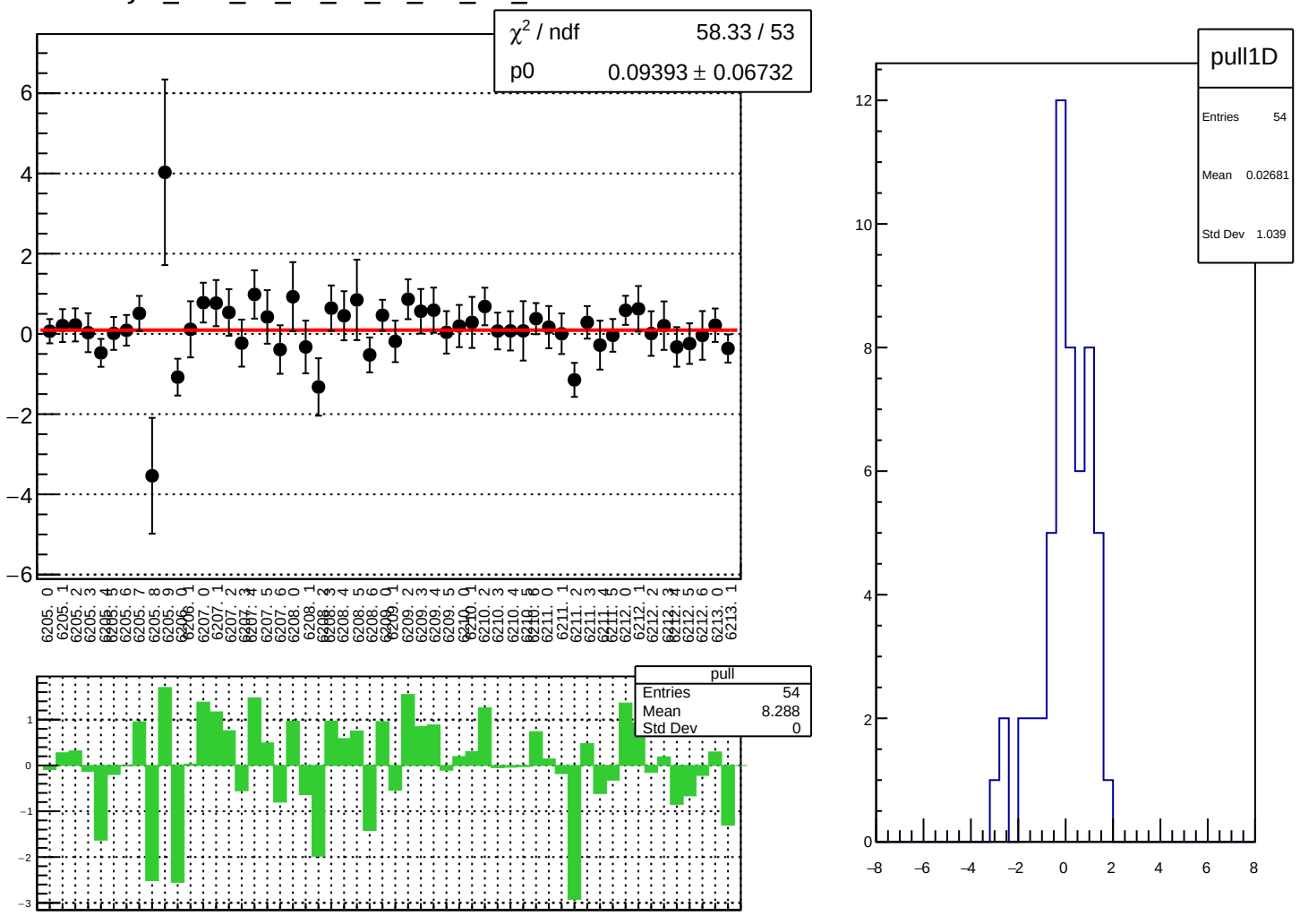

pull1D
Entries 54
Mean −0.01616
Std Dev 0.9481
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

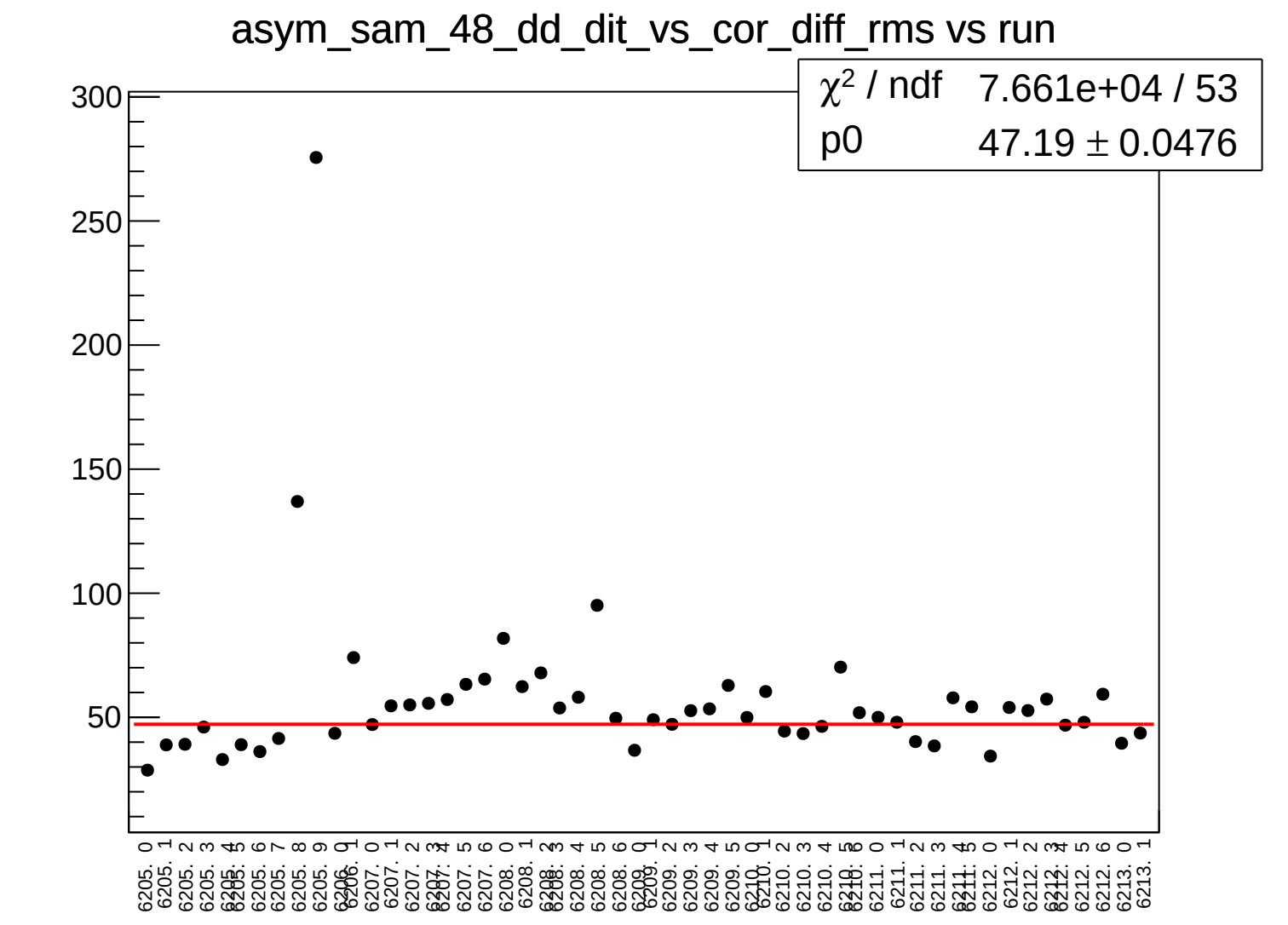

asym_sam_48_dd_rms vs run
χ² / ndf 1374 / 53
p0 1636 ± 1.59
1900
1850
1800
1750
1700
1650
1600
1550
1500
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

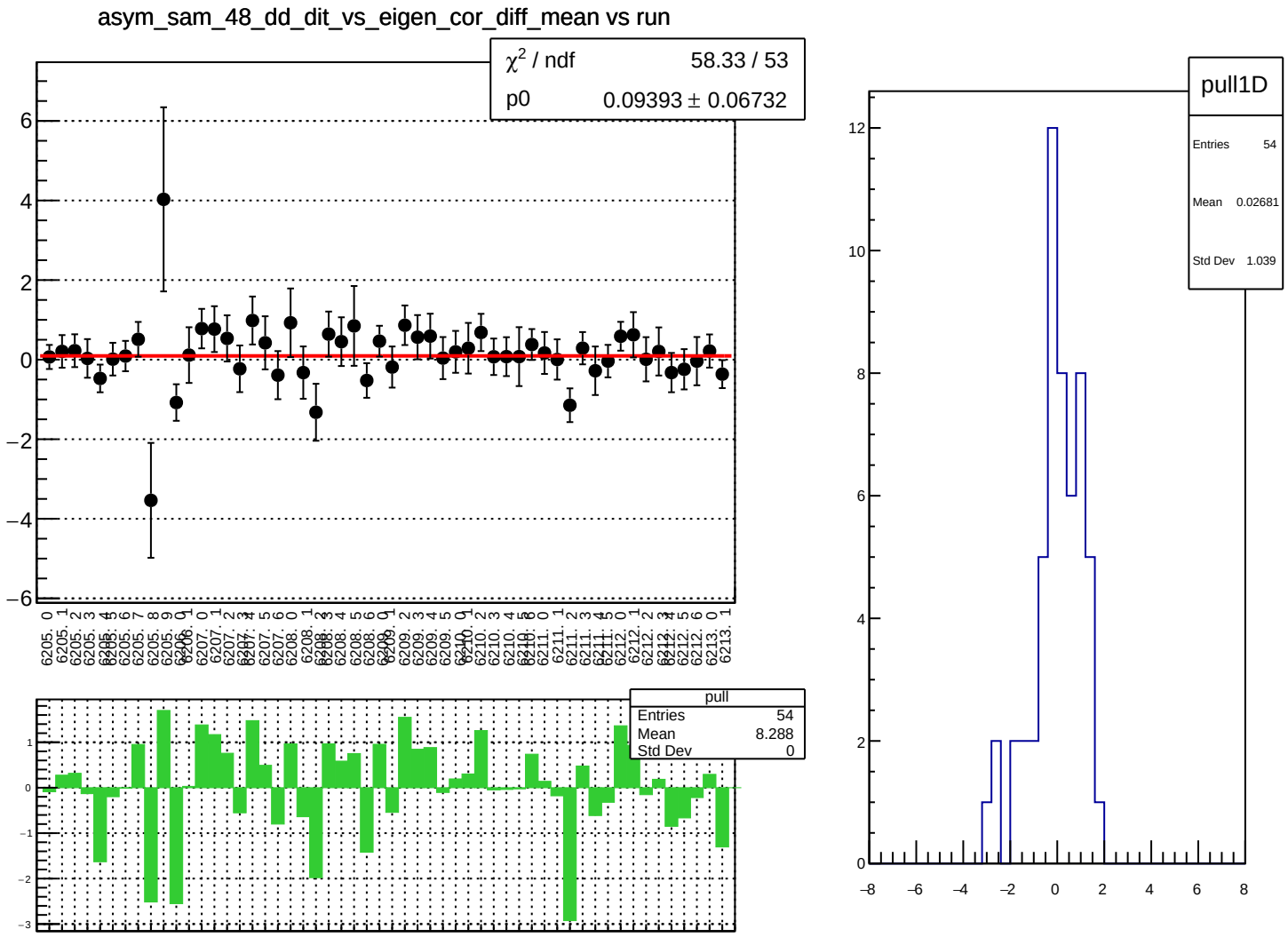

asym_sam_48_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 49.66 / 53
p0 −1.47e−13 ± 2.083e−13
0.001
0.0005
0
−0.0005
−0.001
pull
Entries 54
Mean 42.4
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

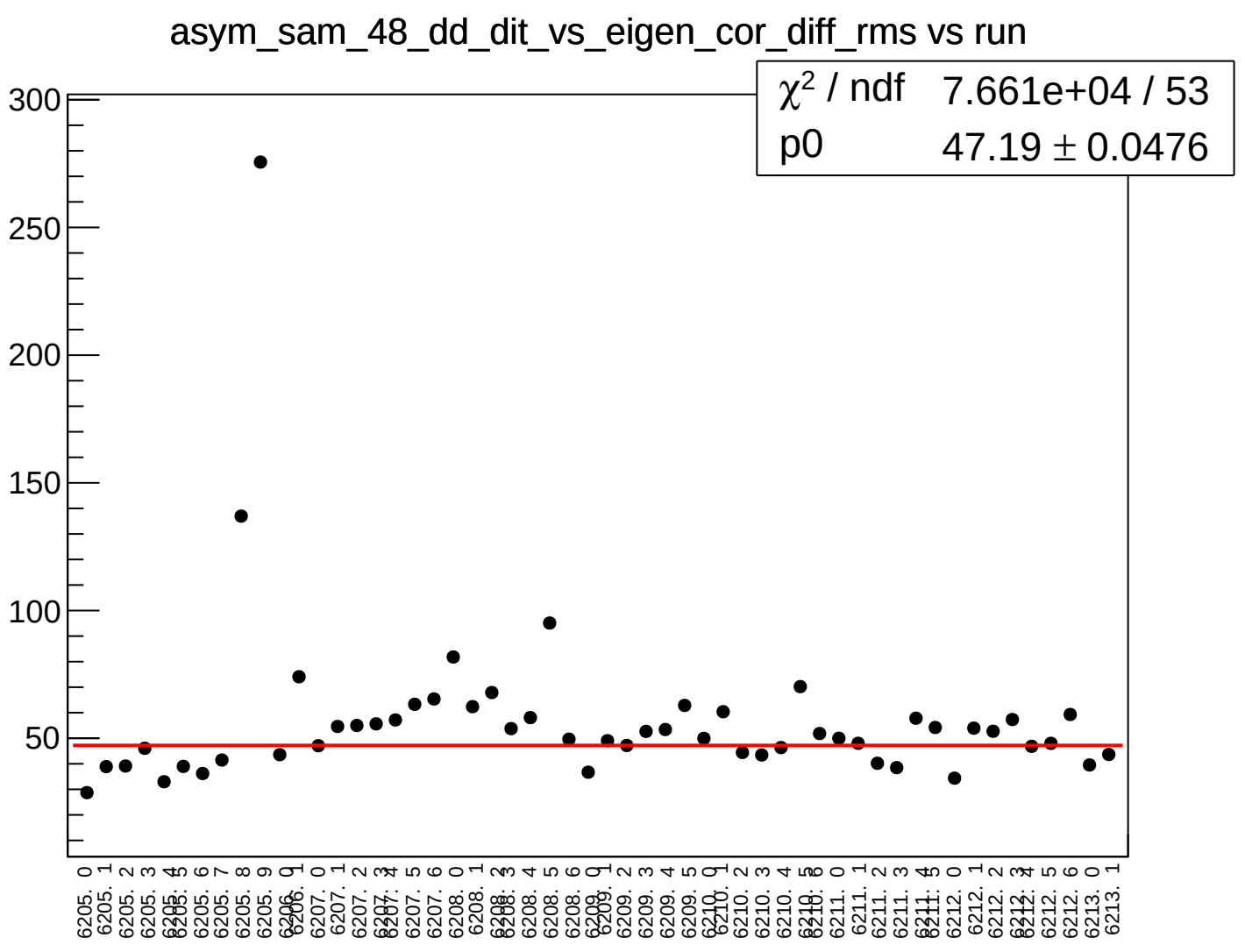

pull1D
Entries 54
Mean −0.1299
Std Dev 0.9501
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

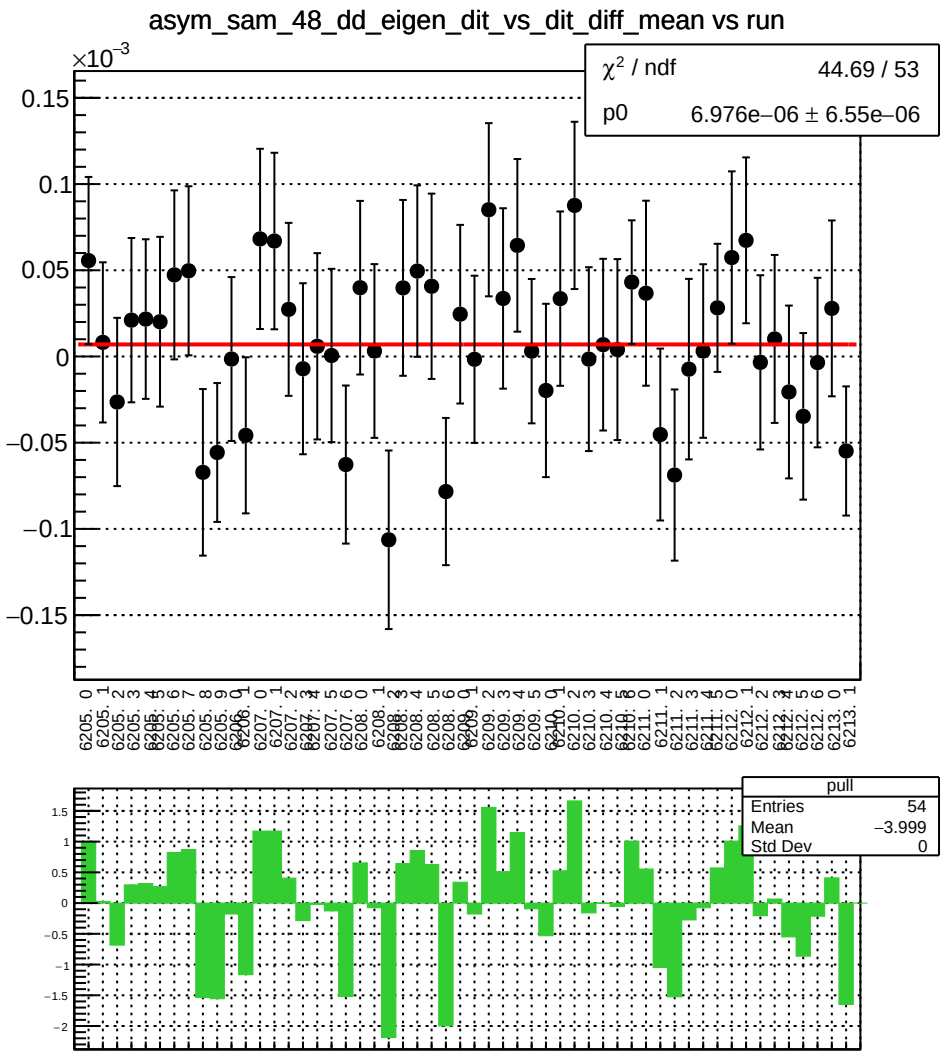

asym_sam_48_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.16e+05 / 53
p0 1.086e−10 ± 1.473e−13
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

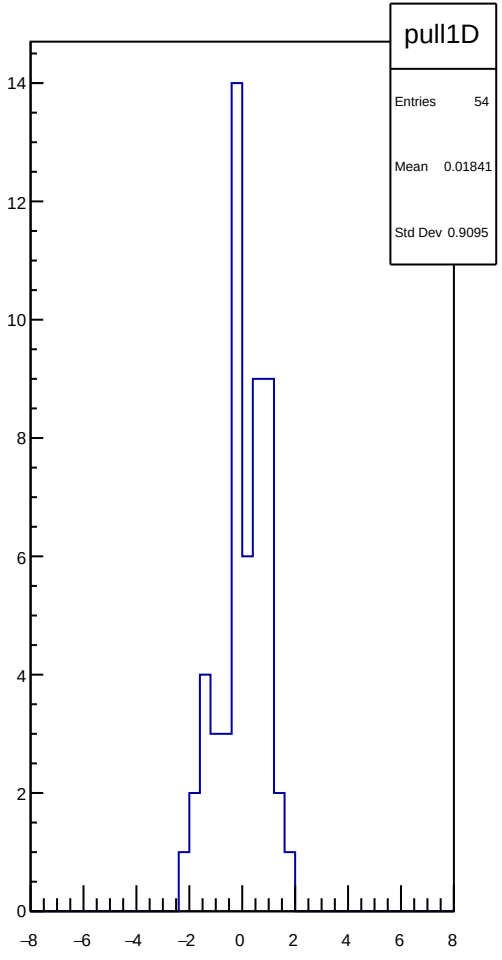

asym_sam_48_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 58.33 / 53
p0 0.09393 ± 0.06732
pull
Entries 54
Mean 8.288
Std Dev 0
pull1D
Entries 54
Mean 0.02681
Std Dev 1.039

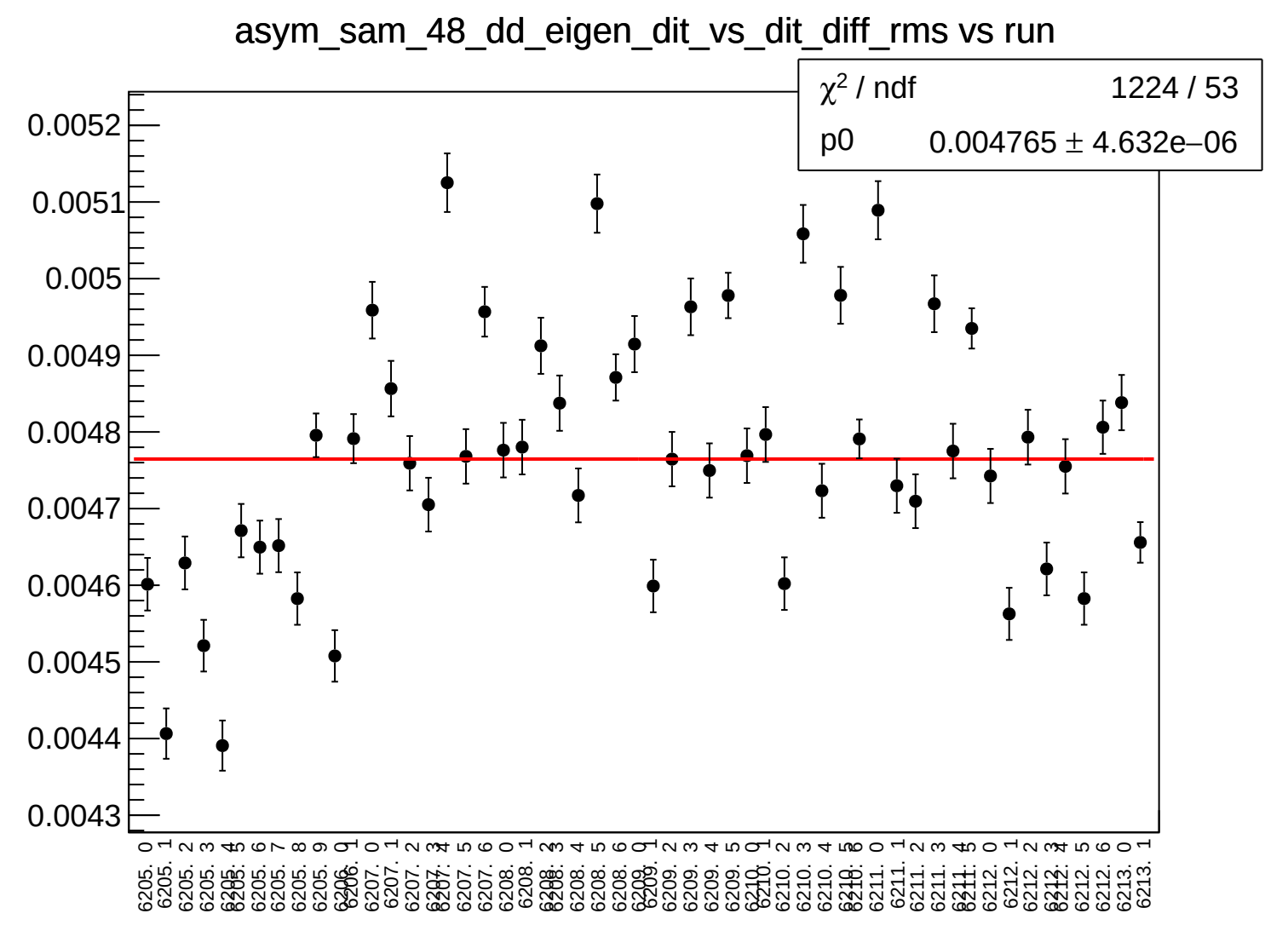

asym_sam_48_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 7.661e+04 / 53
p0 47.19 ± 0.0476
300
250
200
150
100
50
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

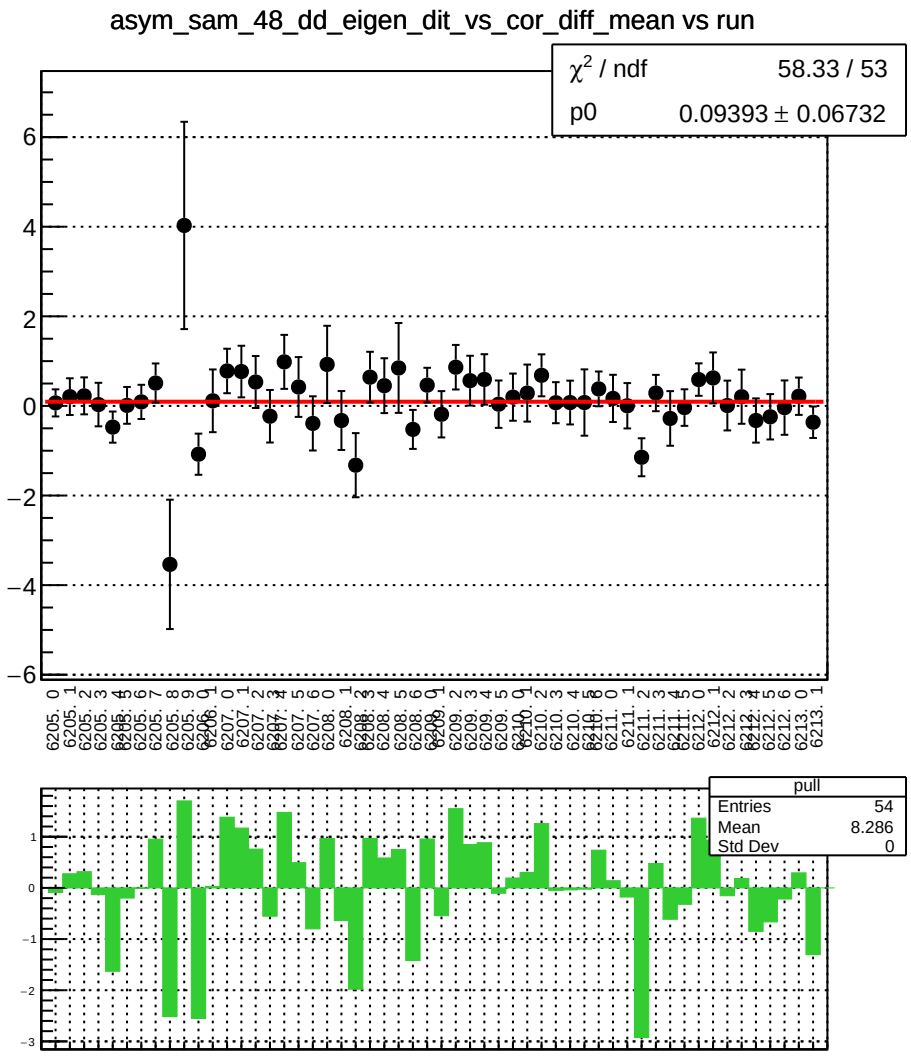

asym_sam_48_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 58.33 / 53
p0 0.09393 ± 0.06732
pull
Entries 54
Mean 8.288
Std Dev 0
pull1D
Entries 54
Mean 0.02681
Std Dev 1.039

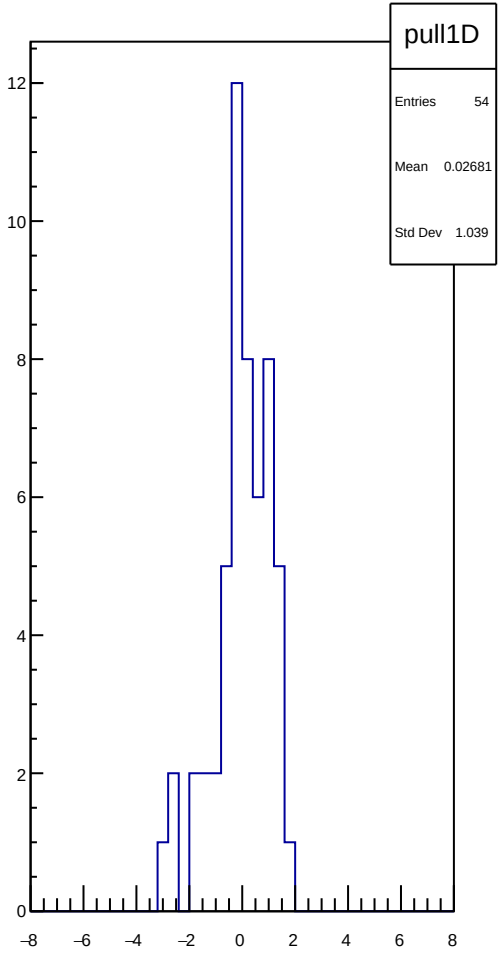

asym_sam_48_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.661e+04 / 53
p0 47.19 ± 0.0476
300
250
200
150
100
50
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

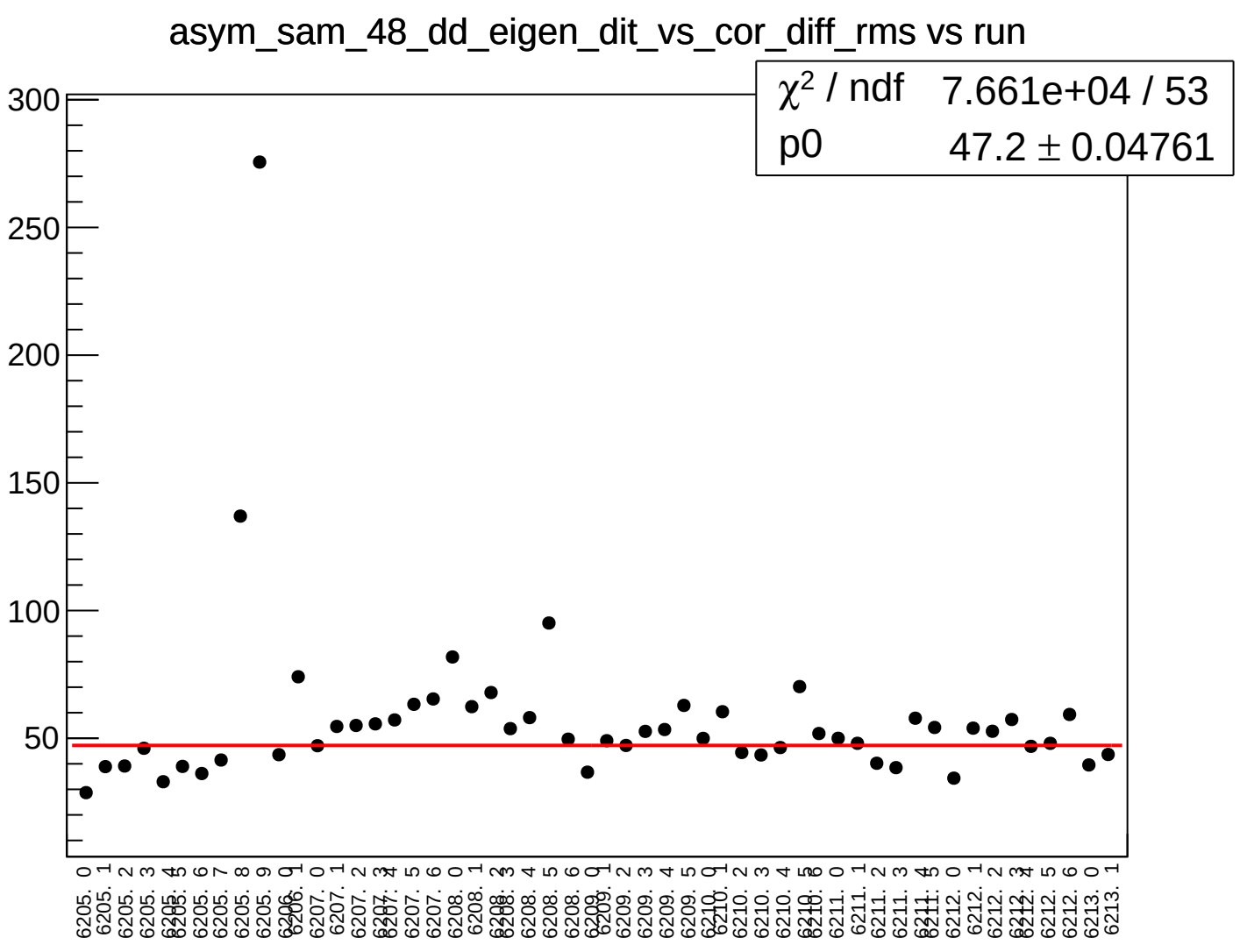

asym_sam_48_dd_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 44.69 / 53
p0 6.976e−06 ± 6.55e−06
pull
Entries 54
Mean −3.999
Std Dev 0

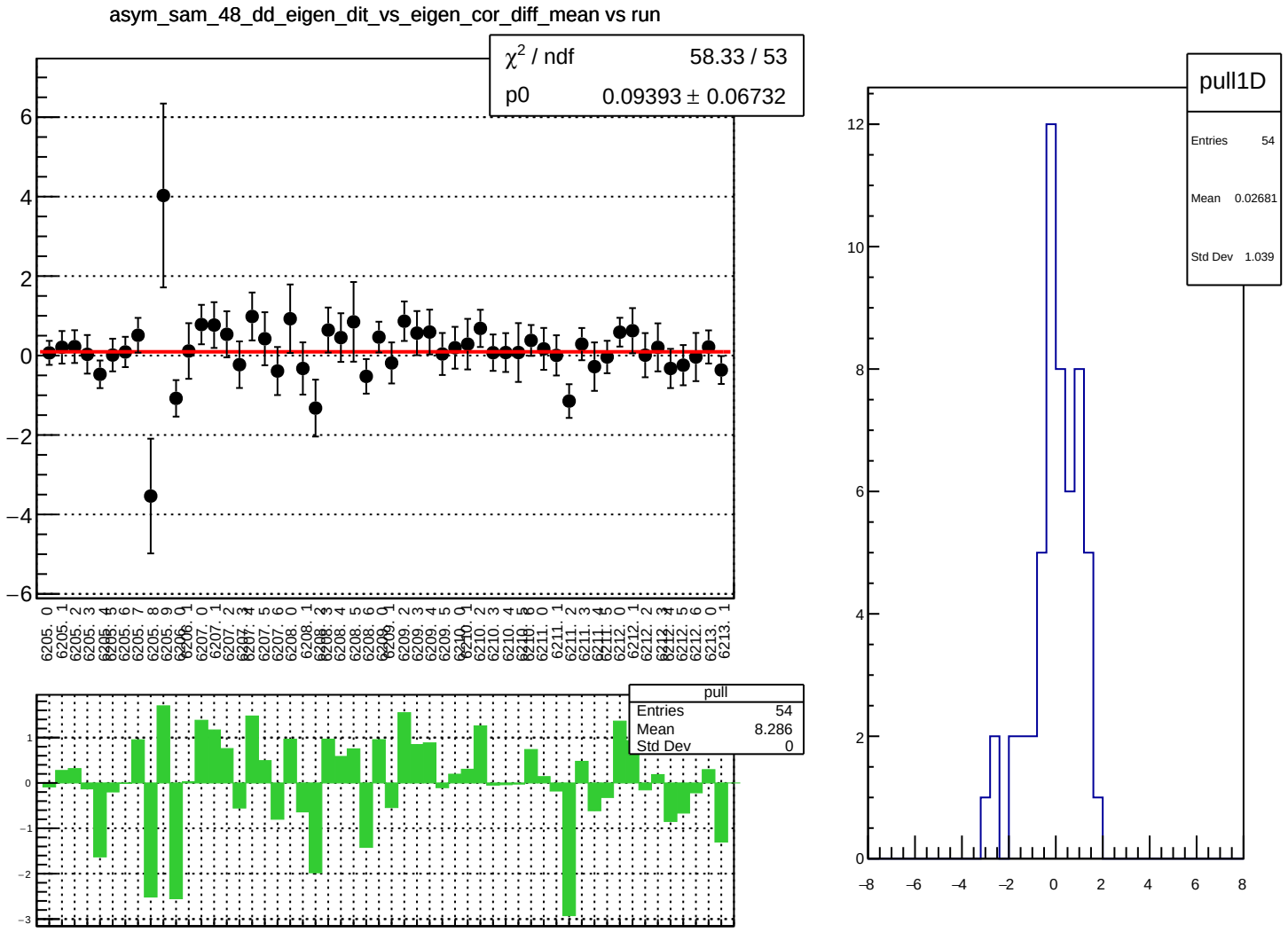

pull1D
Entries 54
Mean 0.01841
Std Dev 0.9095

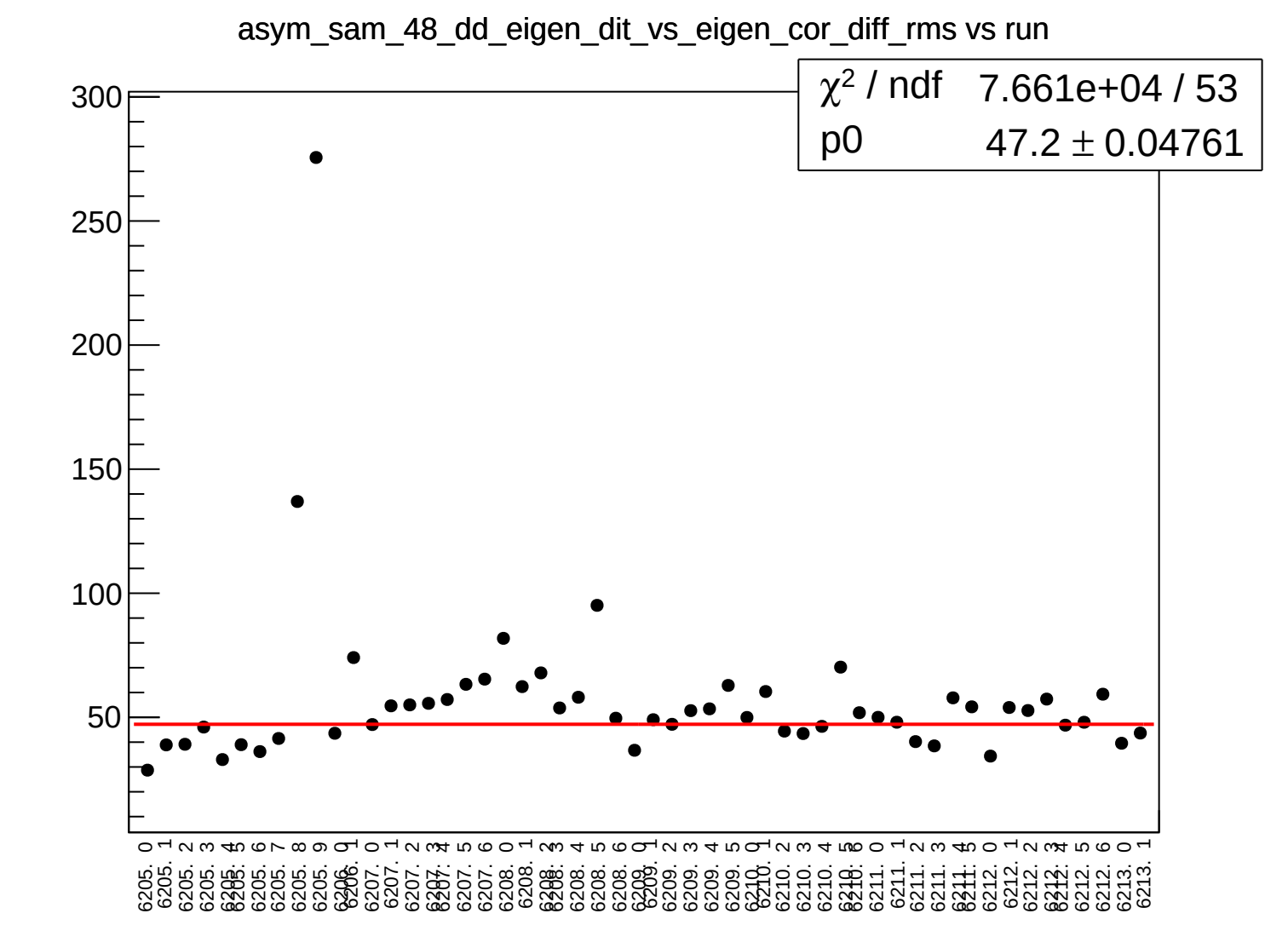

asym_sam_48_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1224 / 53
p0 0.004765 ± 4.632e−06
0.0052
0.0051
0.005
0.0049
0.0048
0.0047
0.0046
0.0045
0.0044
0.0043
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

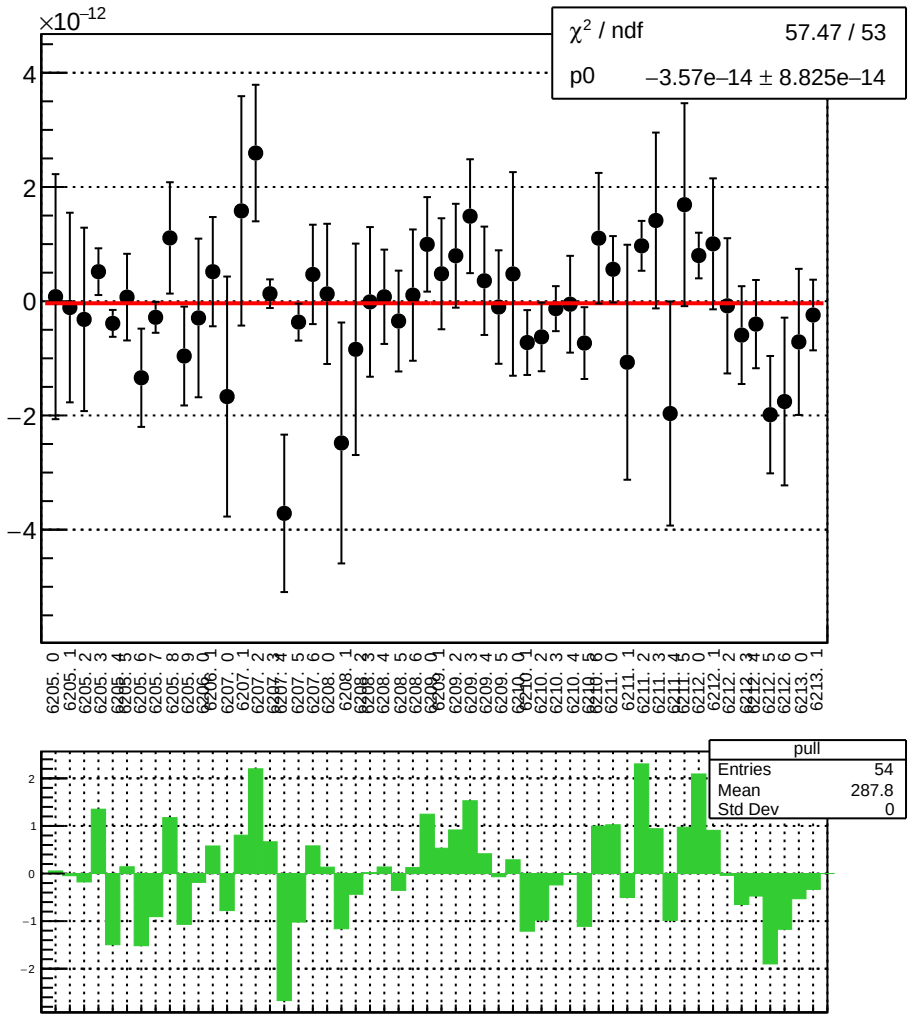

asym_sam_48_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 58.33 / 53
p0 0.09393 ± 0.06732
pull
Entries 54
Mean 8.286
Std Dev 0

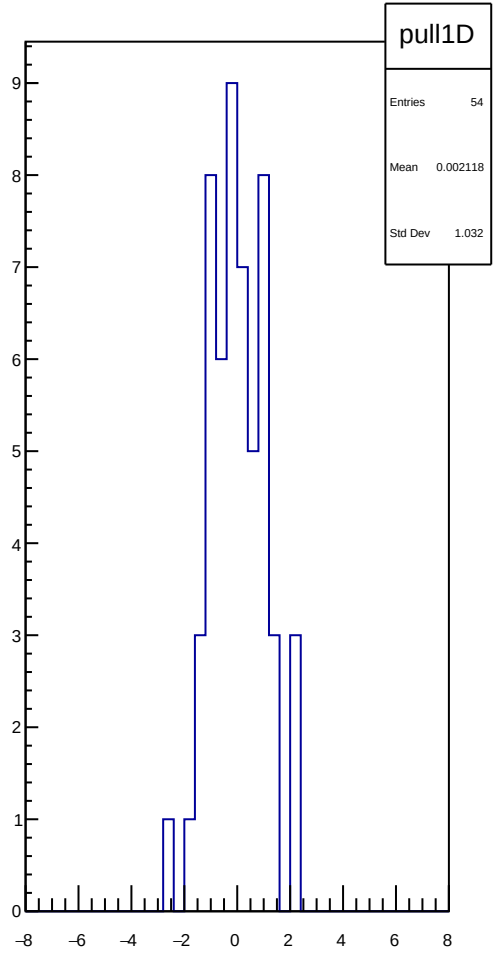

pull1D
Entries 54
Mean 0.02681
Std Dev 1.039

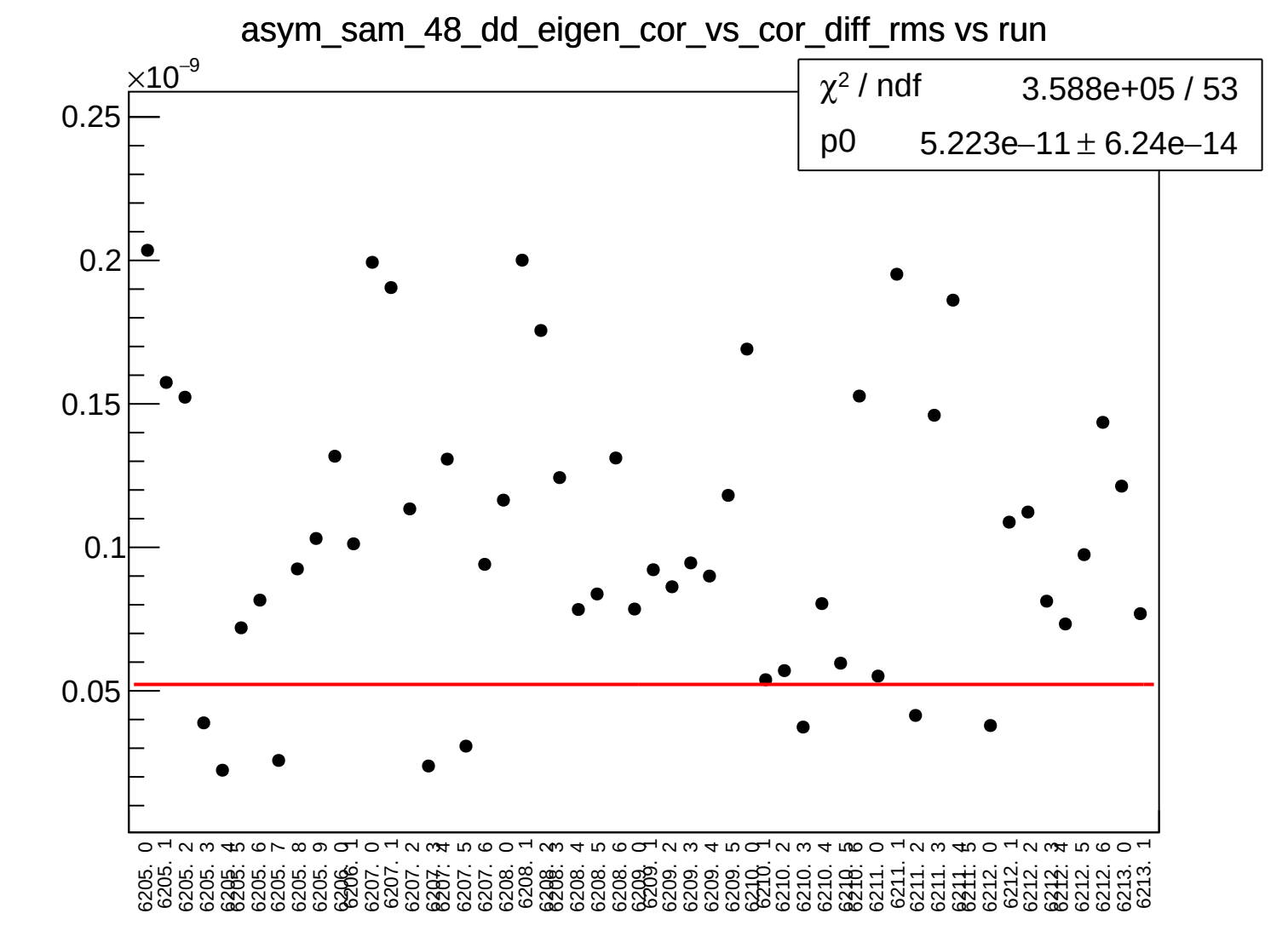

asym_sam_48_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 7.661e+04 / 53
p0 47.2 ± 0.04761
300
250
200
150
100
50
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

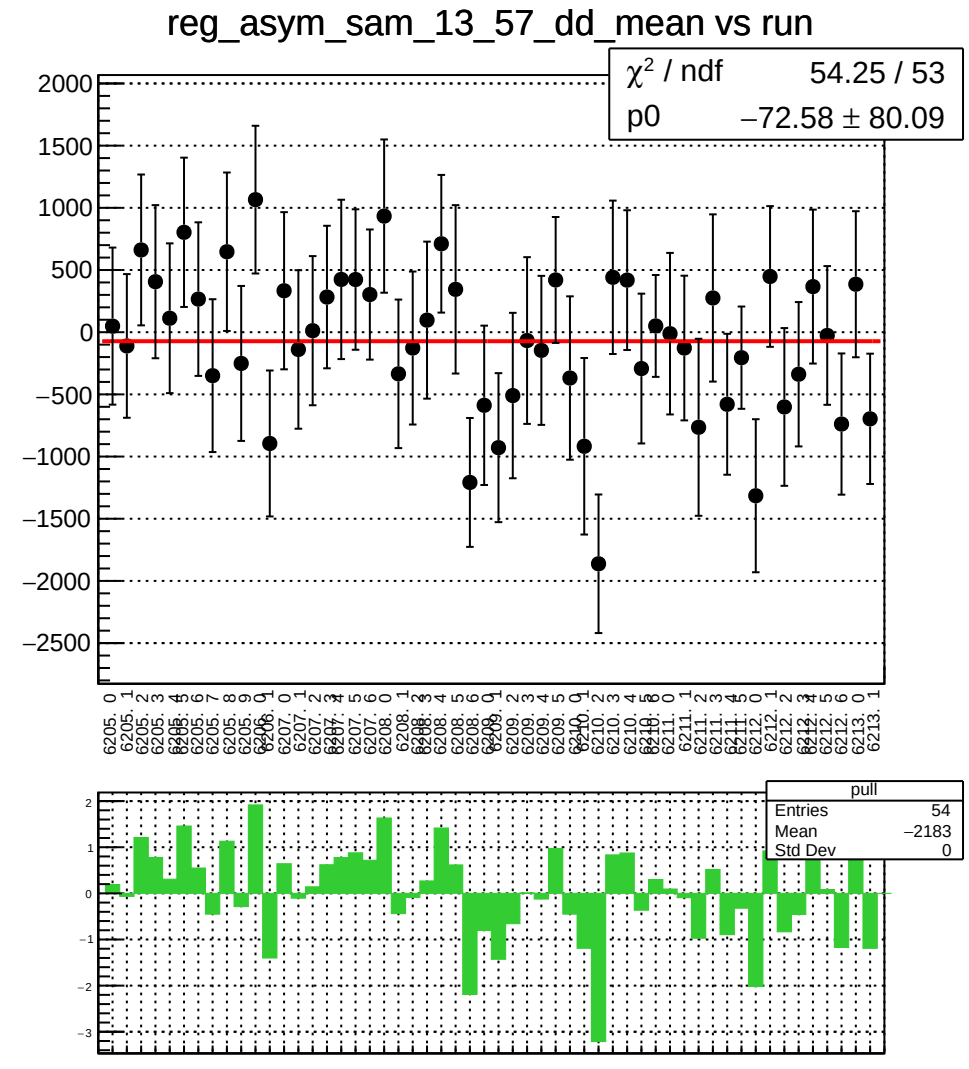

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 58.33 / 53
p0 0.09393 ± 0.06732
pull
Entries 54
Mean 8.286
Std Dev 0
pull1D
Entries 54
Mean 0.02681
Std Dev 1.039

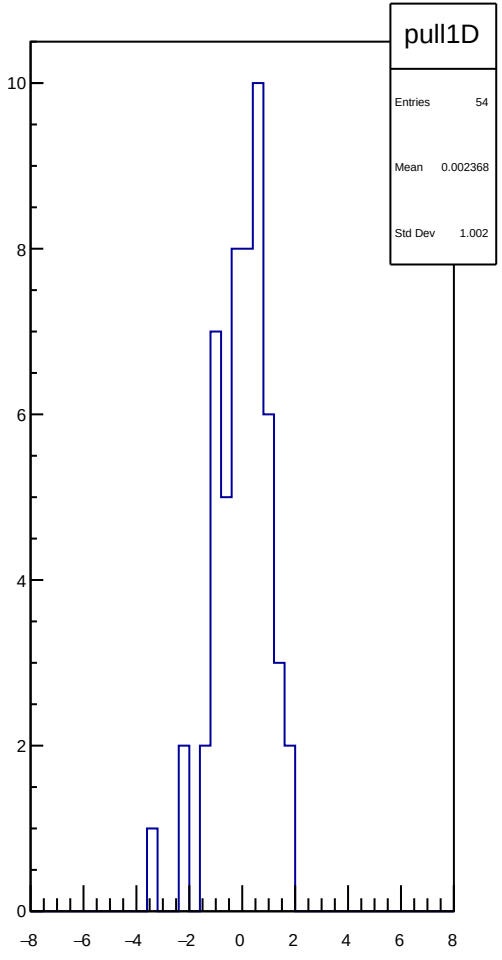

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.661e+04 / 53
p0 47.2 ± 0.04761
300
250
200
150
100
50
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

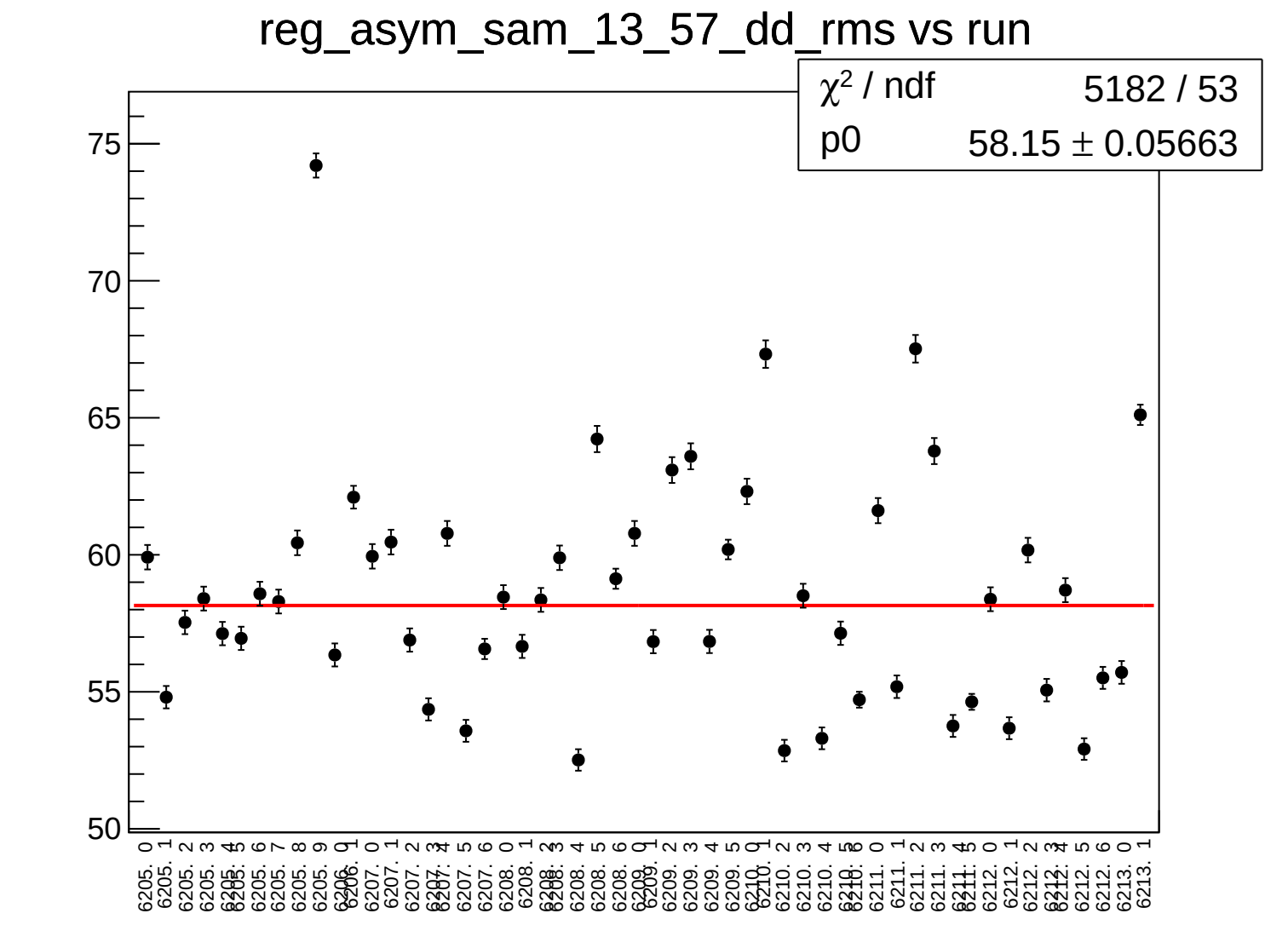

asym_sam_48_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 57.47 / 53
p0 −3.57e−14 ± 8.825e−14
pull
Entries 54
Mean 287.8
Std Dev 0

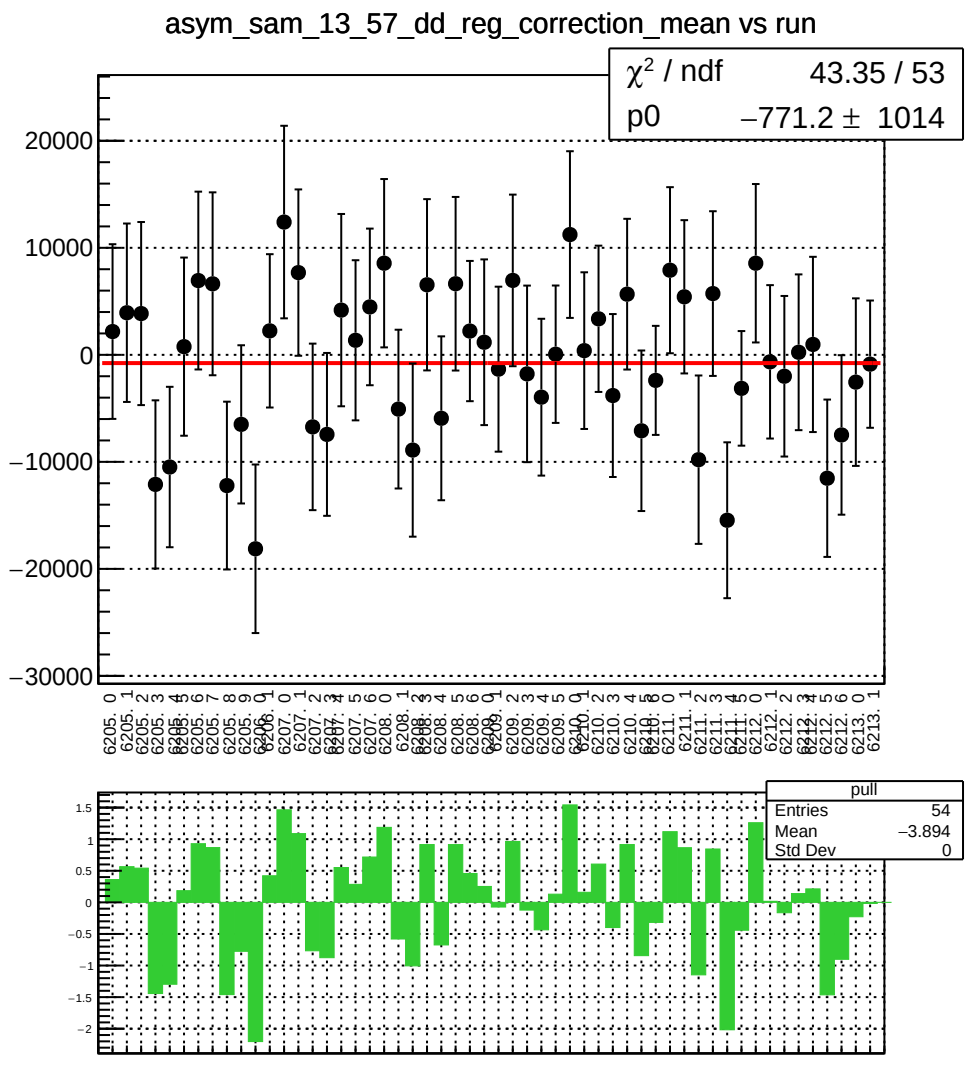

pull1D
Entries 54
Mean 0.002118
Std Dev 1.032

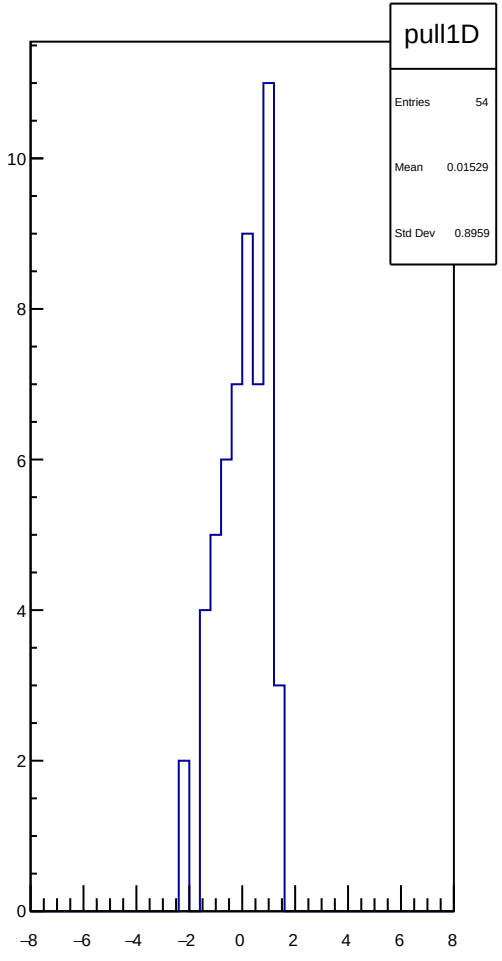

asym_sam_48_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.588e+05 / 53
p0 5.223e−11 ± 6.24e−14
0.25
0.2
0.15
0.1
0.05
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 1
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

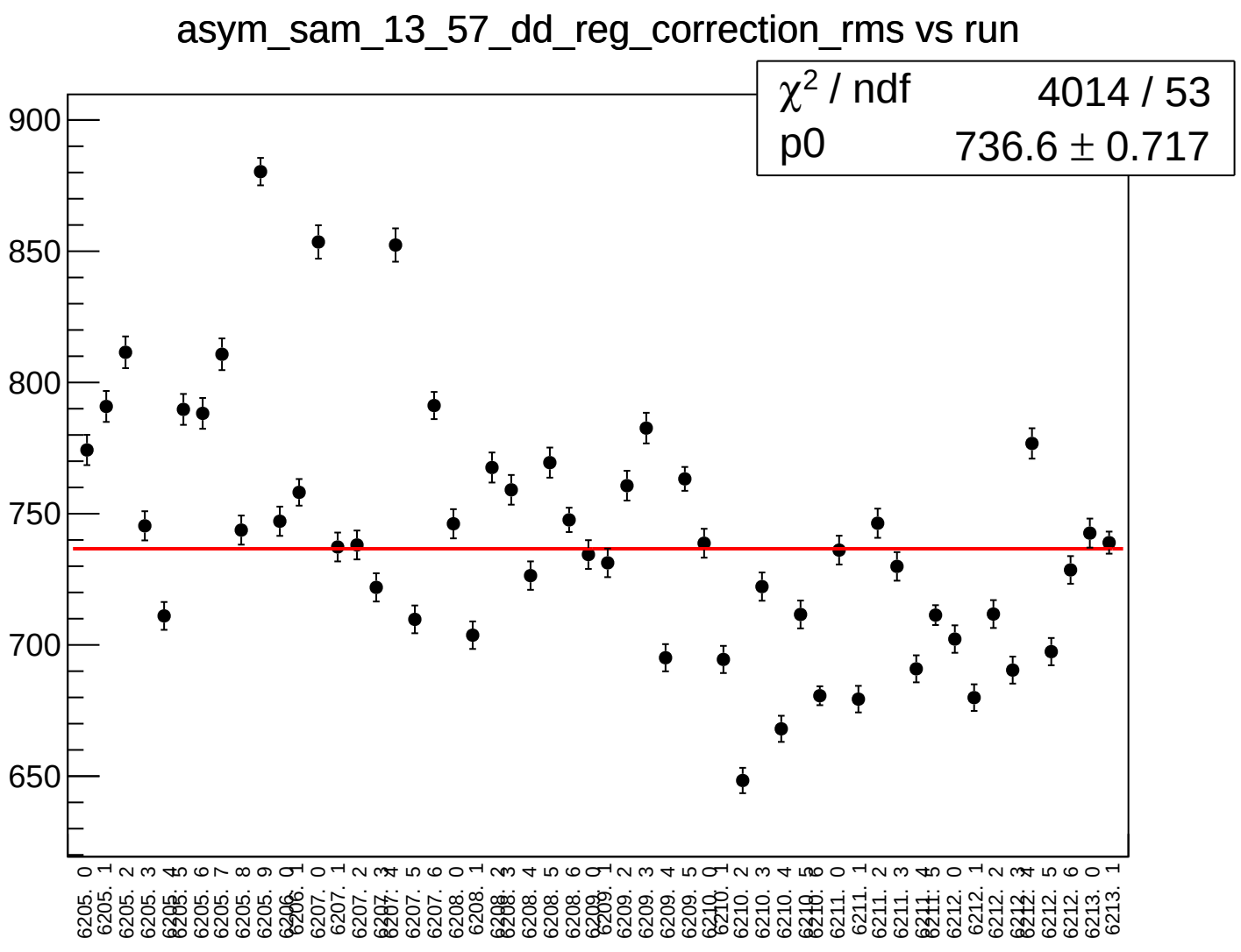

reg_asym_sam_13_57_dd_mean vs run
χ² / ndf 54.25 / 53
p0 −72.58 ± 80.09
pull
Entries 54
Mean −2183
Std Dev 0

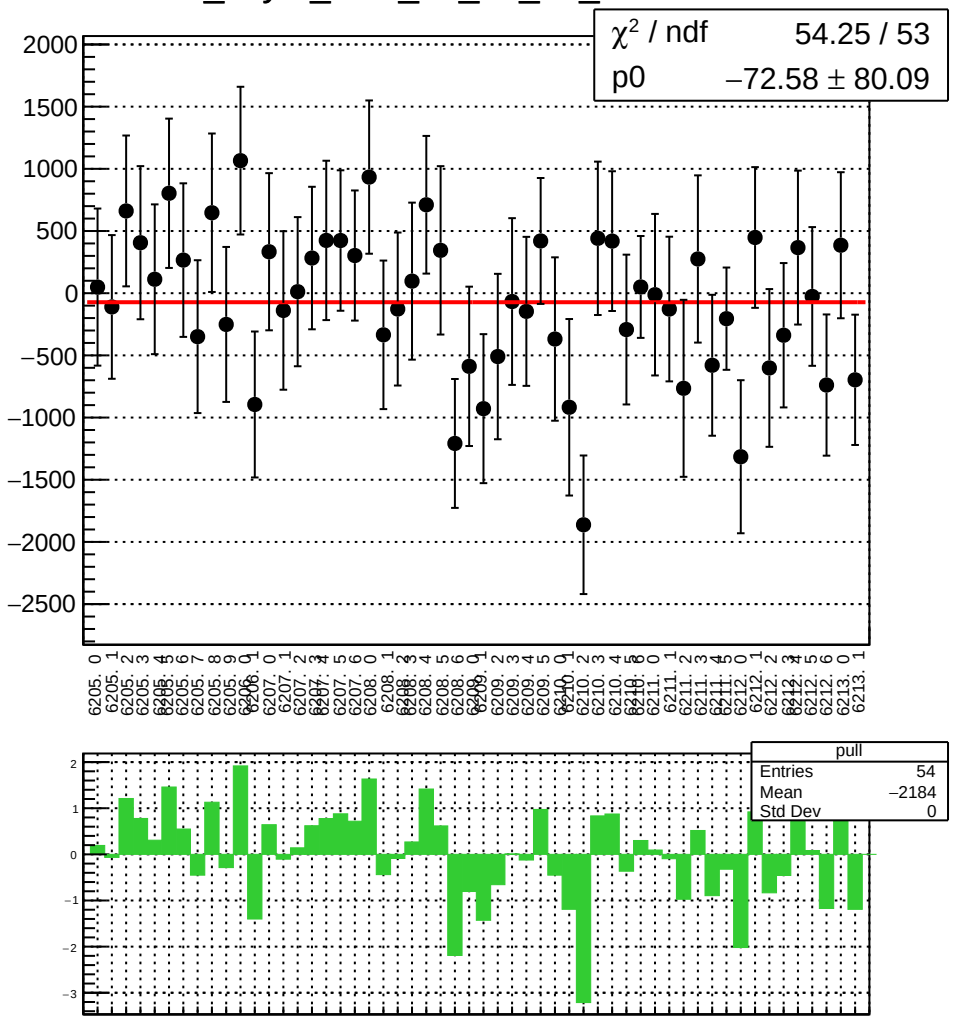

pull1D
Entries 54
Mean 0.002368
Std Dev 1.002

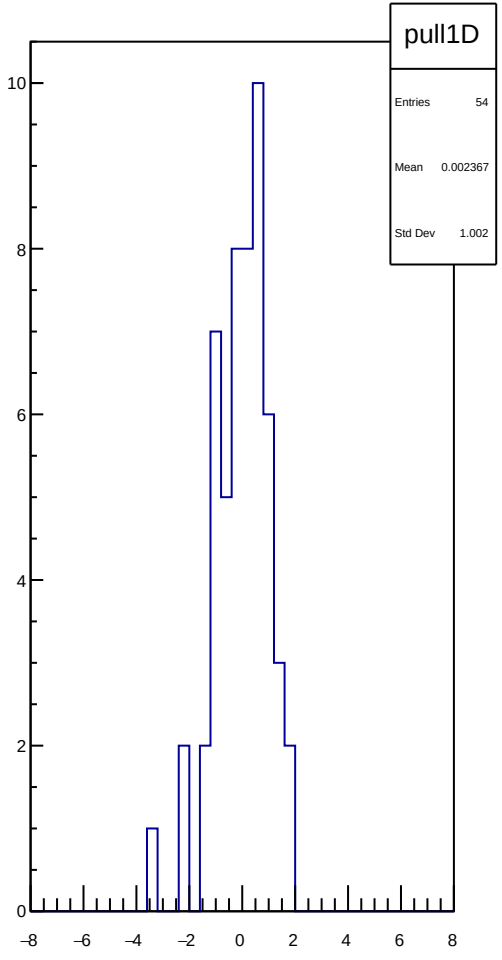

reg_asym_sam_13_57_dd_rms vs run
χ² / ndf 5182 / 53
p0 58.15 ± 0.05663
75
70
65
60
55
50
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

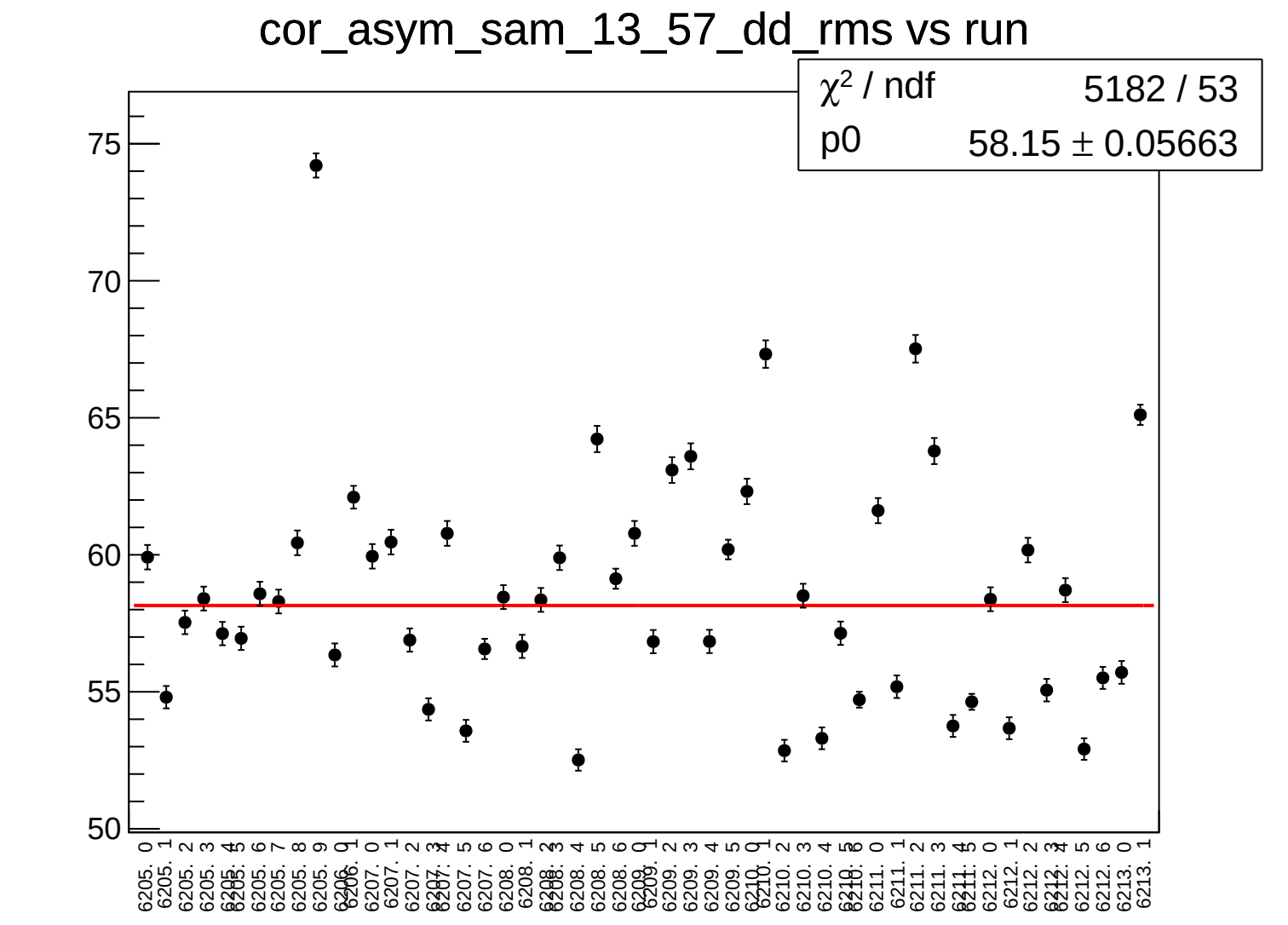

asym_sam_13_57_dd_reg_correction_mean vs run
χ² / ndf 43.35 / 53
p0 −771.2 ± 1014
pull
Entries 54
Mean −3.894
Std Dev 0

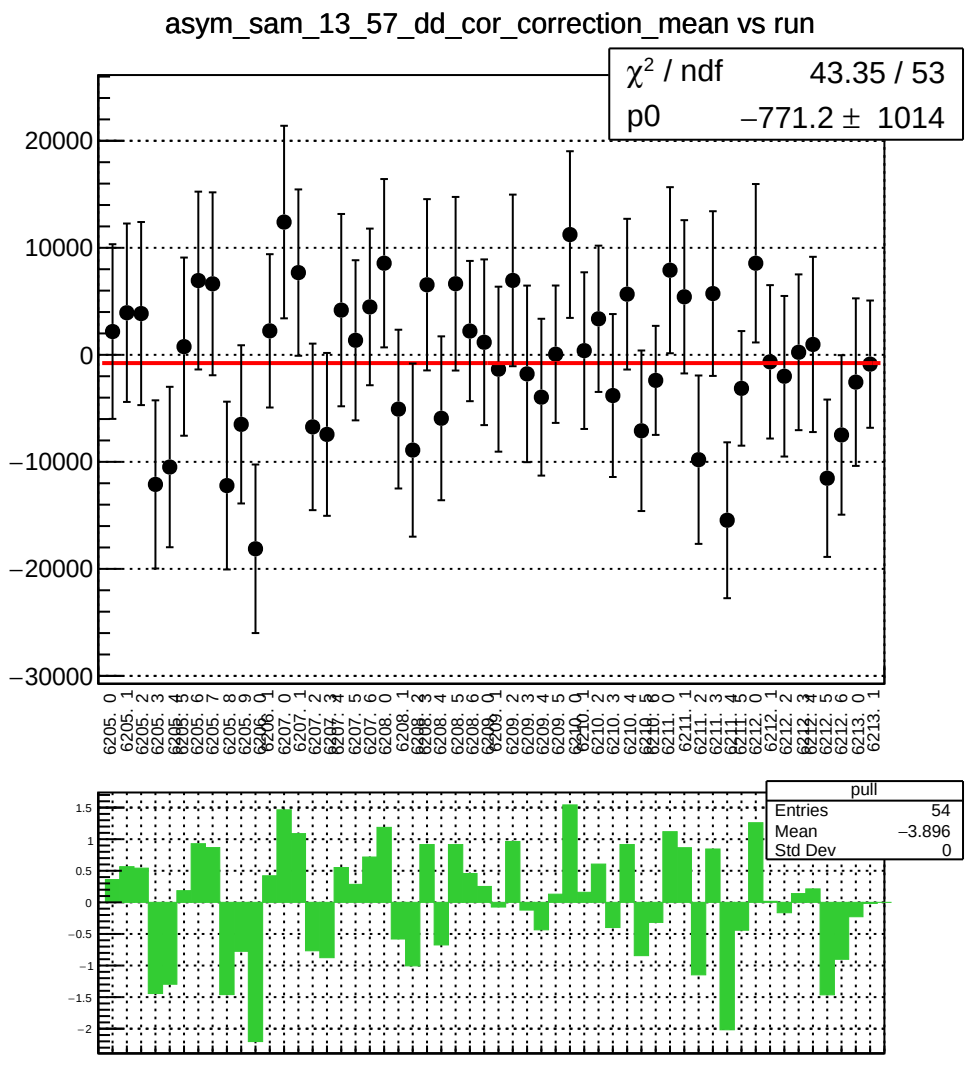

pull1D
Entries 54
Mean 0.01529
Std Dev 0.8959

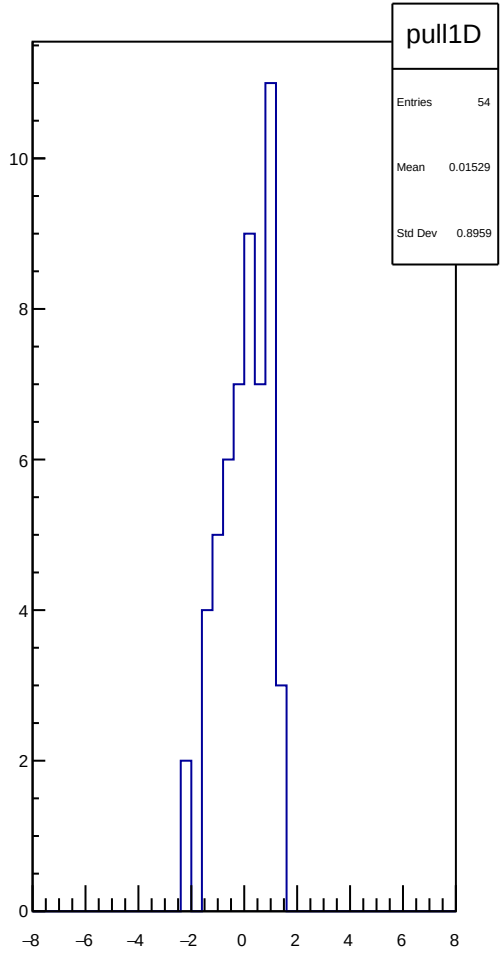

asym_sam_13_57_dd_reg_correction_rms vs run
χ² / ndf 4014 / 53
p0 736.6 ± 0.717
900
850
800
750
700
650

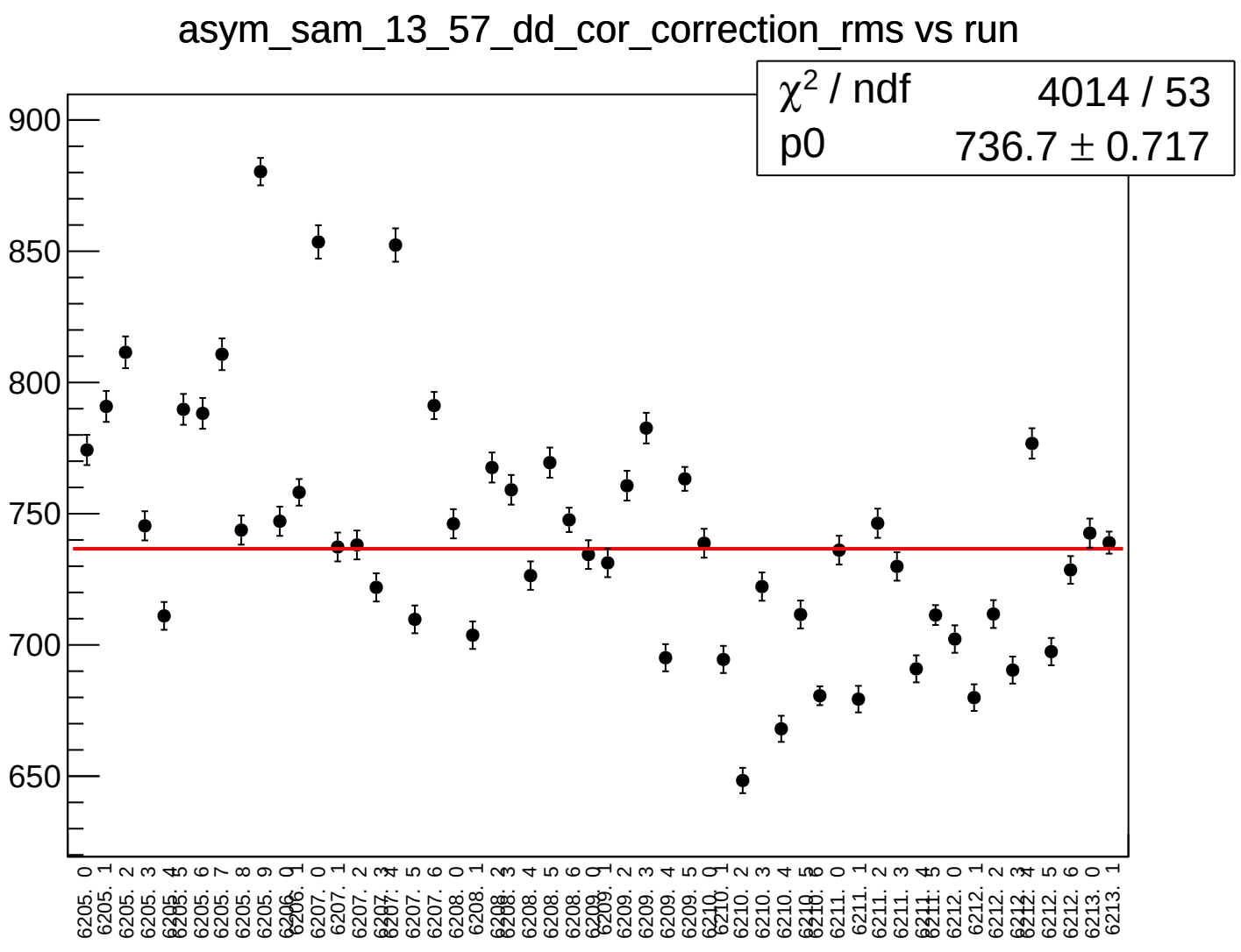

cor_asym_sam_13_57_dd_mean vs run
χ² / ndf 54.25 / 53
p0 −72.58 ± 80.09
pull
Entries 54
Mean −2184
Std Dev 0

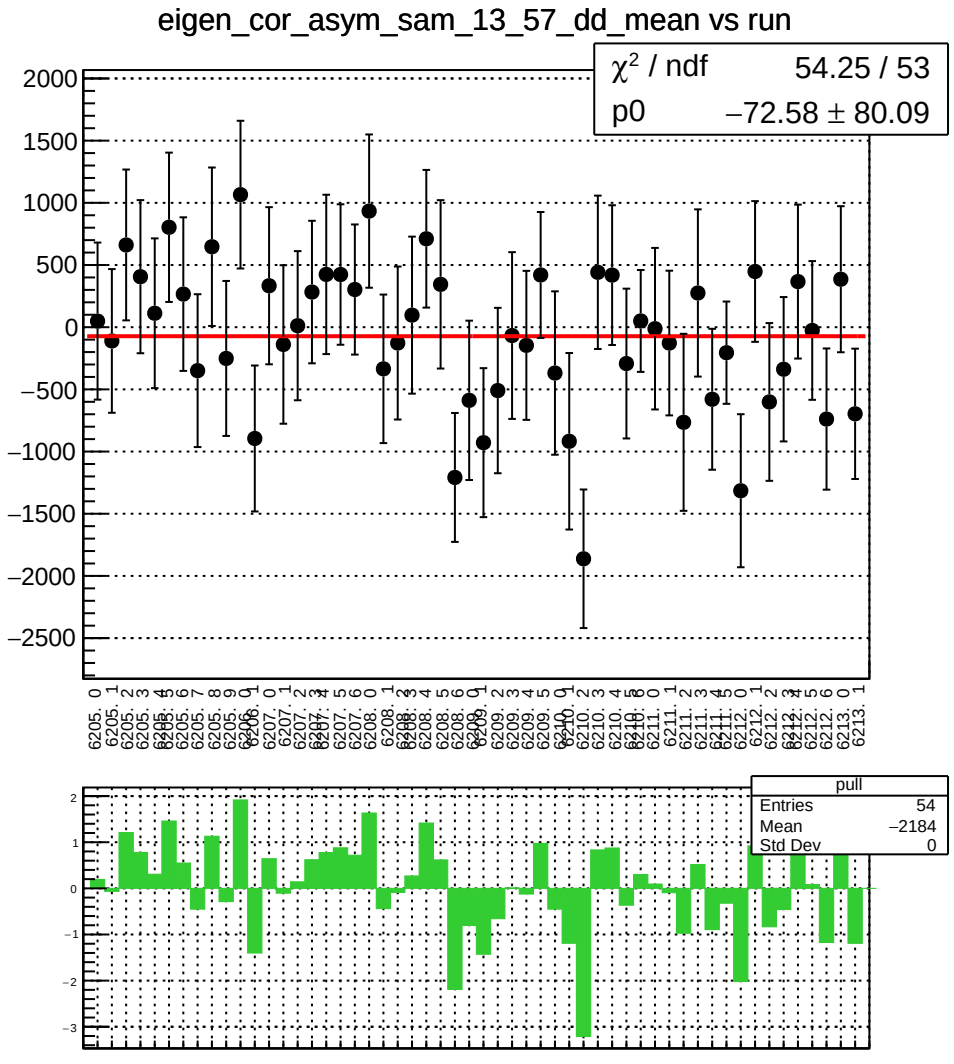

pull1D
Entries 54
Mean 0.002367
Std Dev 1.002

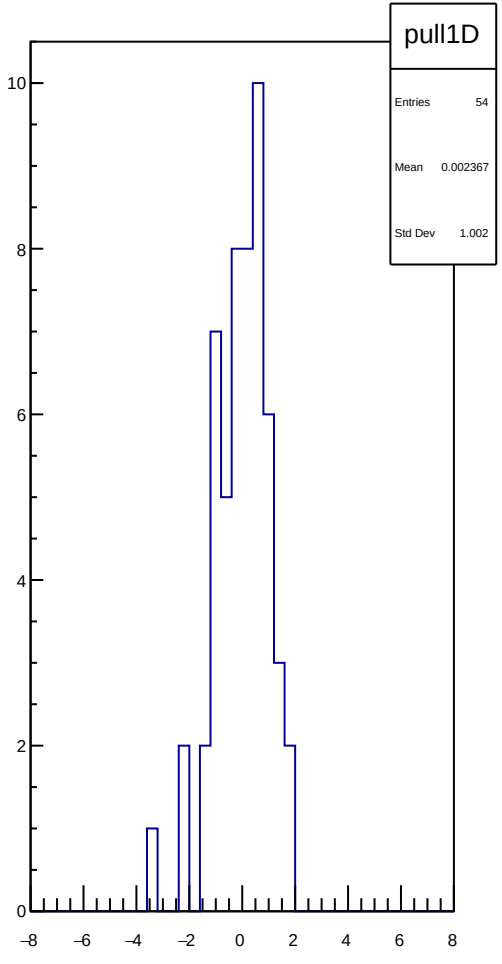

cor_asym_sam_13_57_dd_rms vs run
χ² / ndf 5182 / 53
p0 58.15 ± 0.05663
75
70
65
60
55
50
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 1
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

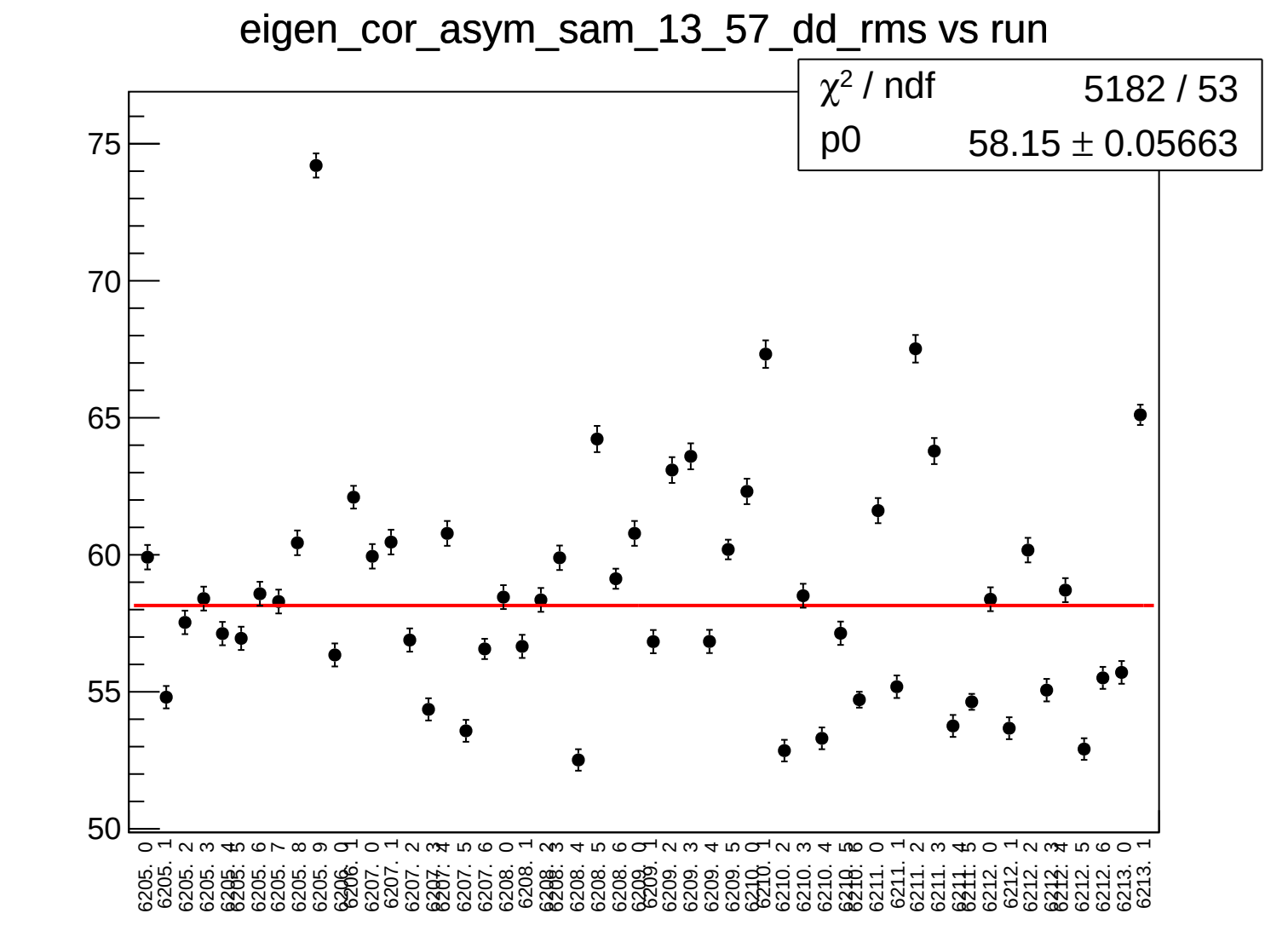

asym_sam_13_57_dd_cor_correction_mean vs run
χ² / ndf 43.35 / 53
p0 −771.2 ± 1014
20000
10000
0
−10000
−20000
−30000
pull
Entries 54
Mean −3.896
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

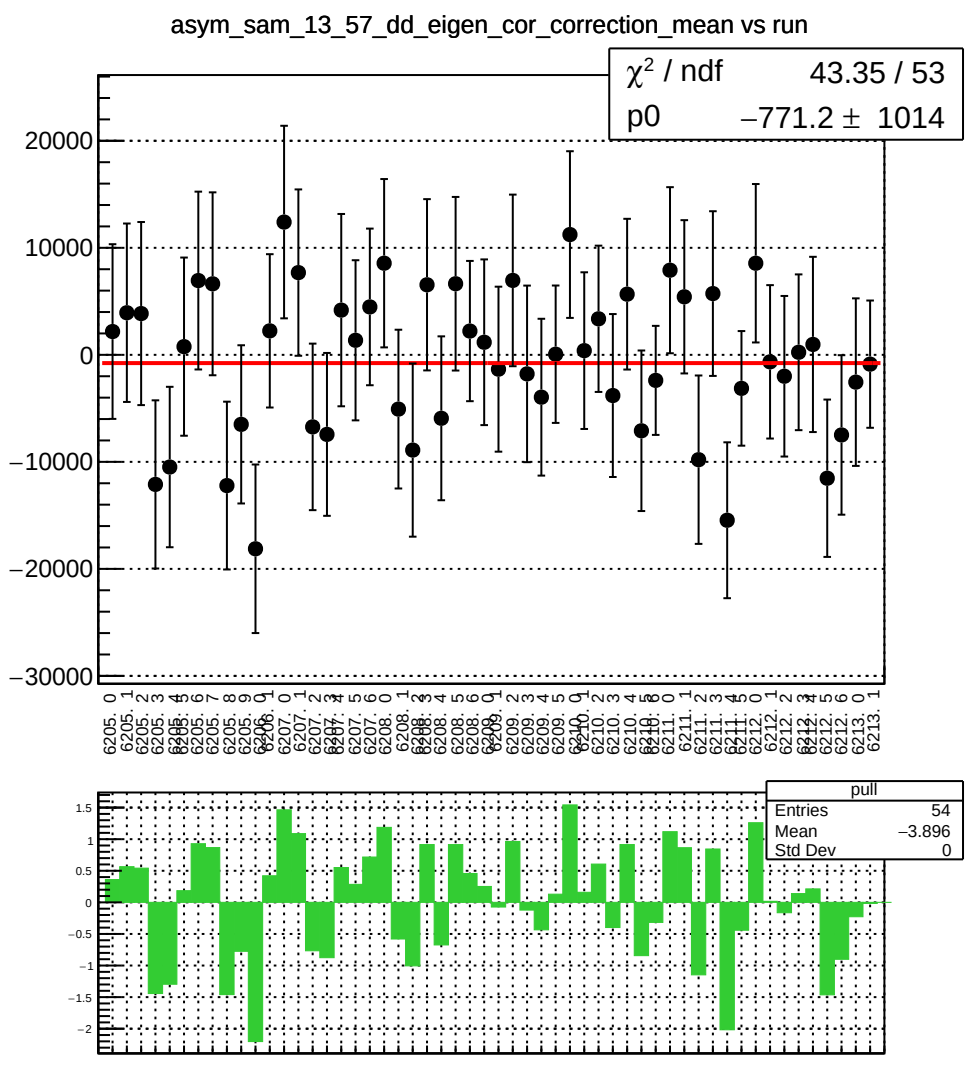

pull1D
Entries 54
Mean 0.01529
Std Dev 0.8959
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

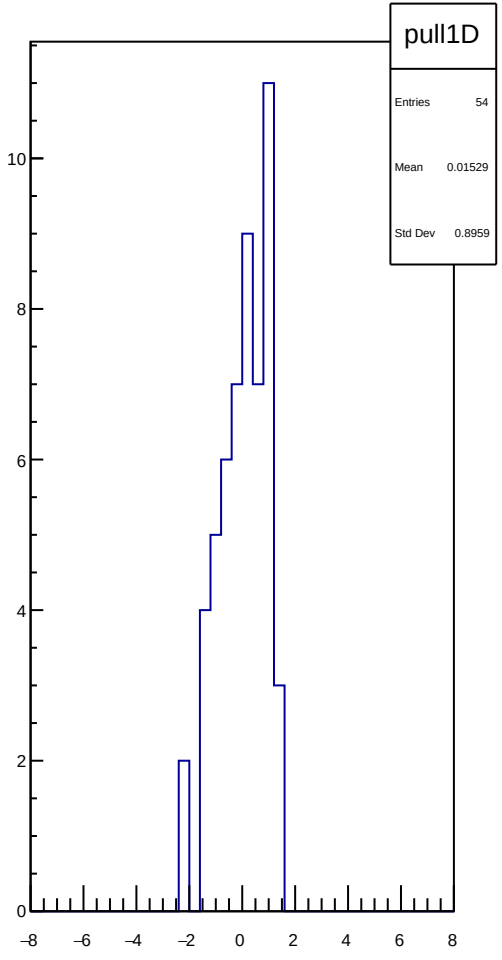

asym_sam_13_57_dd_cor_correction_rms vs run
χ² / ndf 4014 / 53
p0 736.7 ± 0.717
900
850
800
750
700
650
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

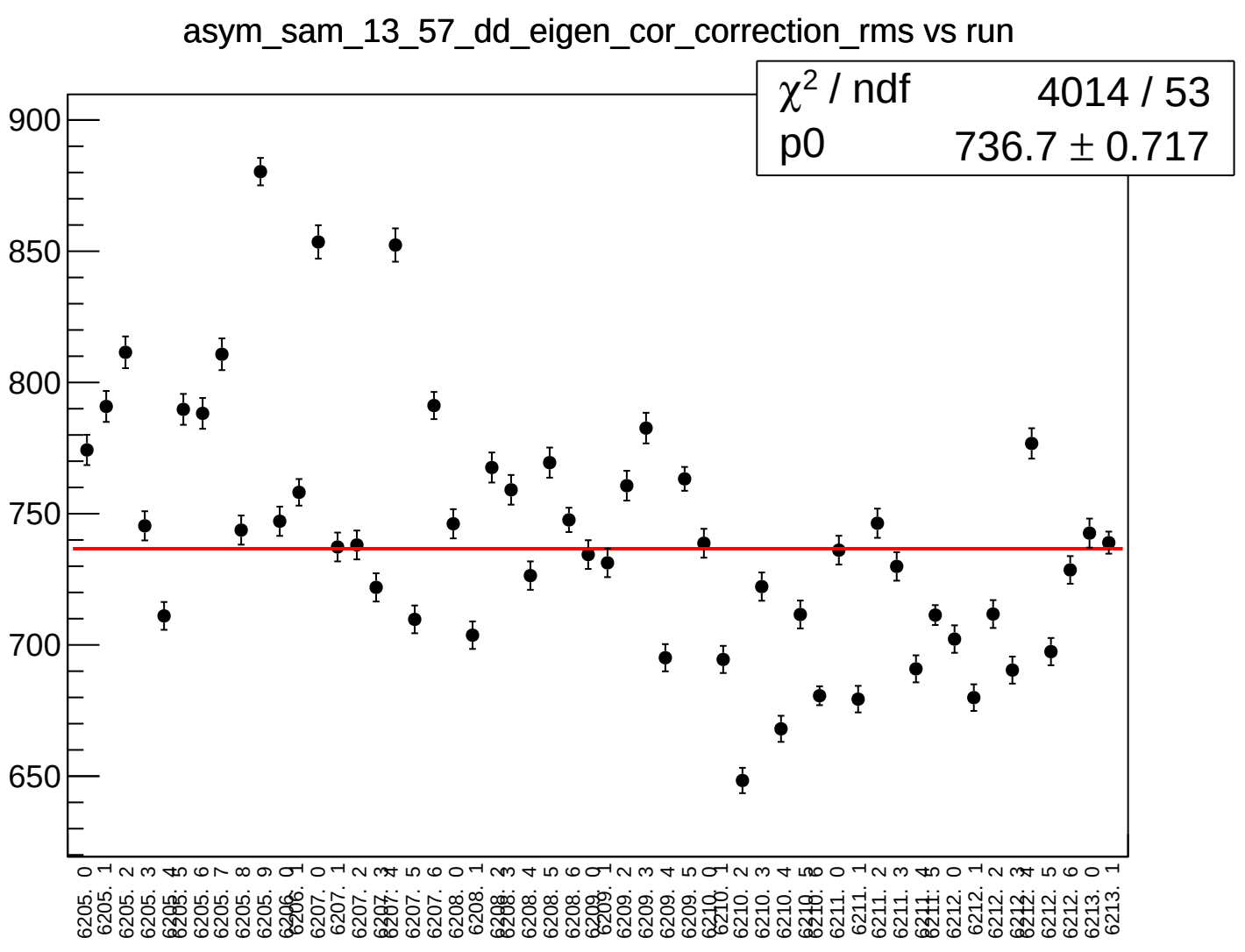

eigen_cor_asym_sam_13_57_dd_mean vs run
χ² / ndf 54.25 / 53
p0 −72.58 ± 80.09
pull
Entries 54
Mean −2184
Std Dev 0


pull1D
Entries 54
Mean 0.002367
Std Dev 1.002


eigen_cor_asym_sam_13_57_dd_rms vs run
χ^2 / ndf 5182 / 53
p0 58.15 ± 0.05663
75
70
65
60
55
50
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_sam_13_57_dd_eigen_cor_correction_mean vs run
χ² / ndf 43.35 / 53
p0 −771.2 ± 1014
pull
Entries 54
Mean −3.896
Std Dev 0


pull1D
Entries 54
Mean 0.01529
Std Dev 0.8959


asym_sam_13_57_dd_eigen_cor_correction_rms vs run
χ² / ndf 4014 / 53
p0 736.7 ± 0.717
900
850
800
750
700
650
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
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6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
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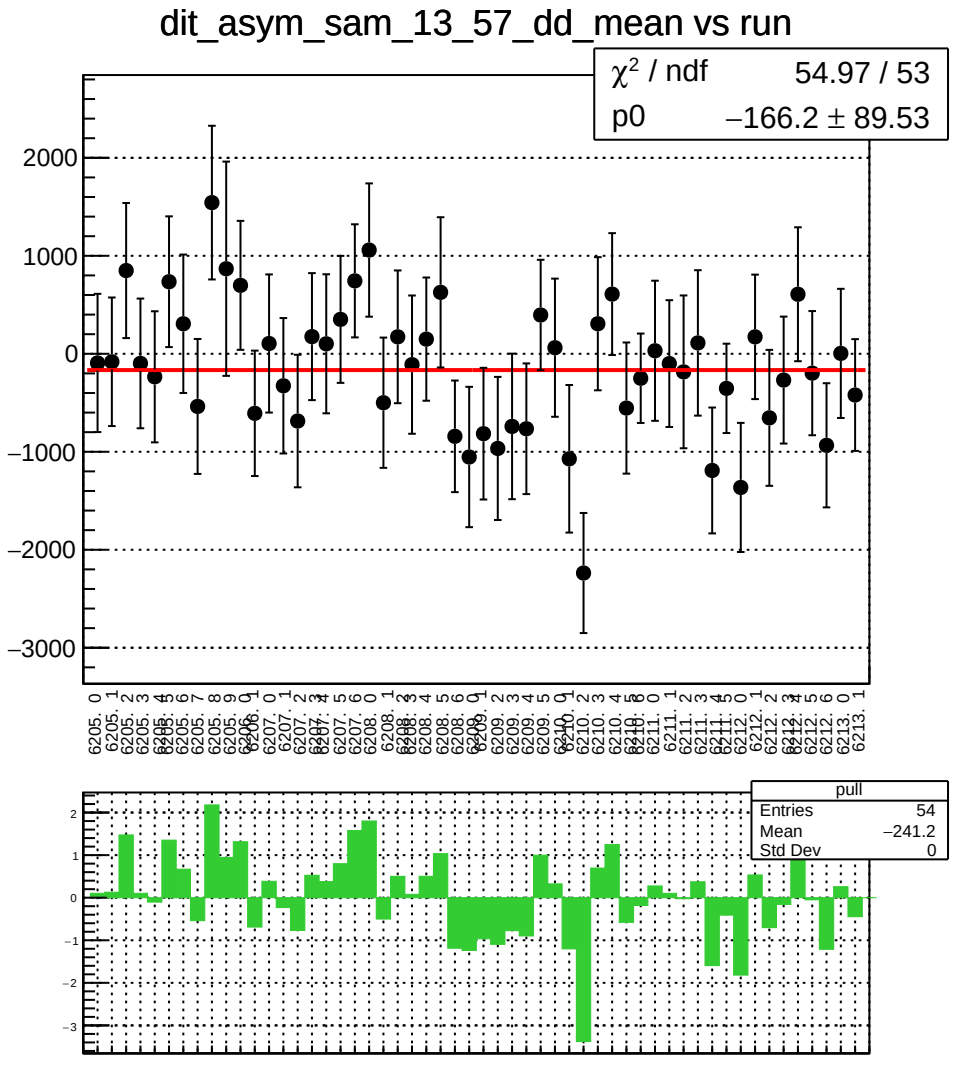
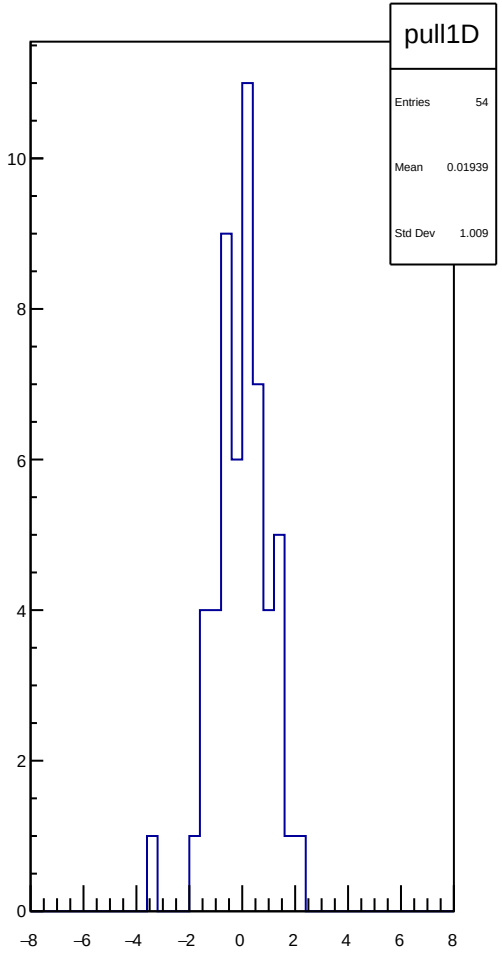
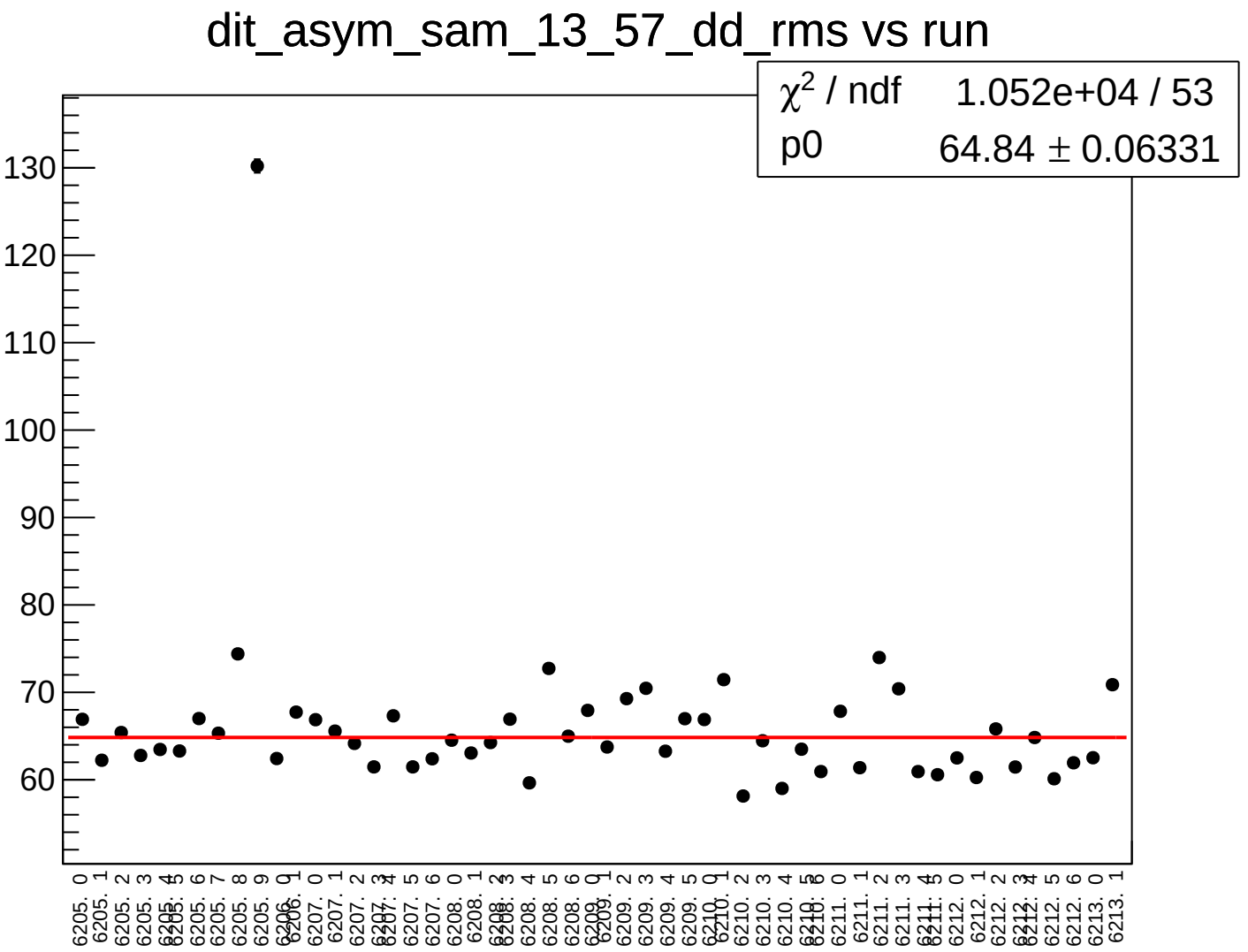
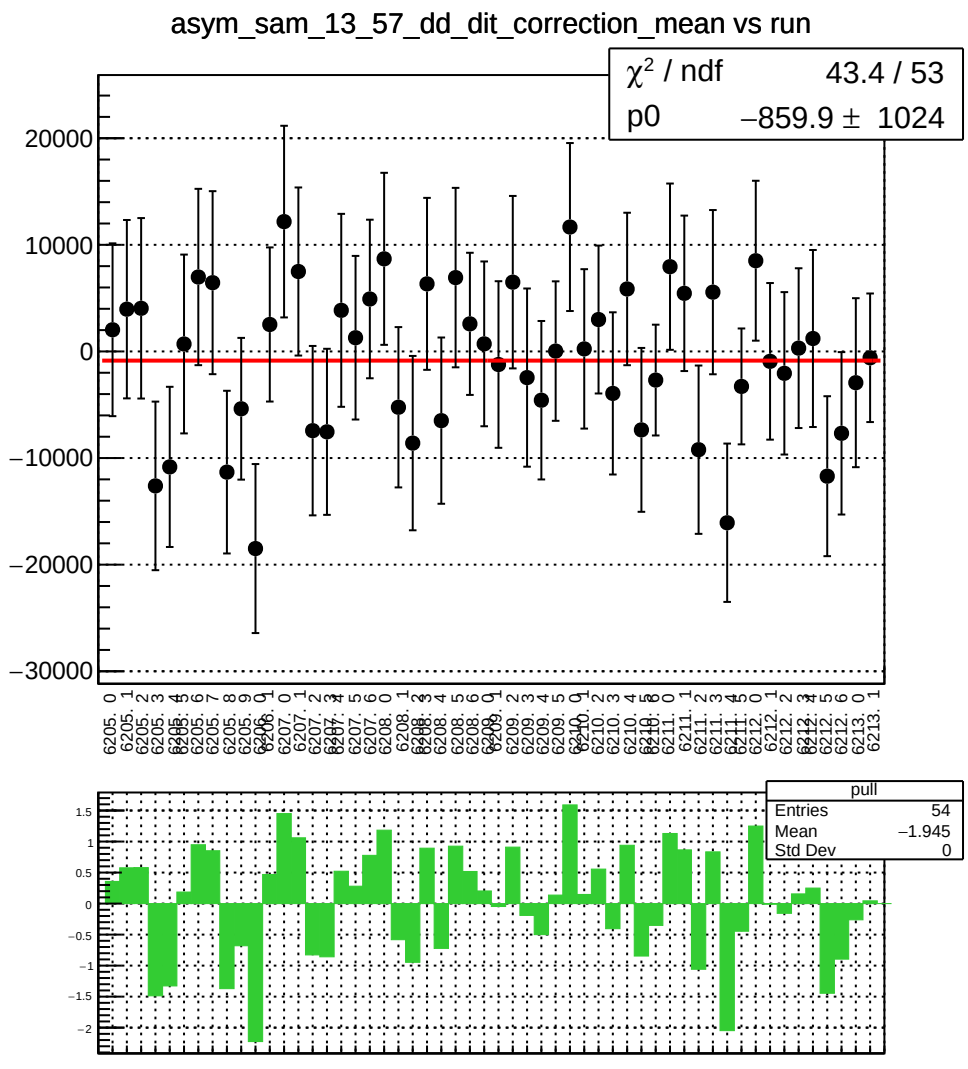
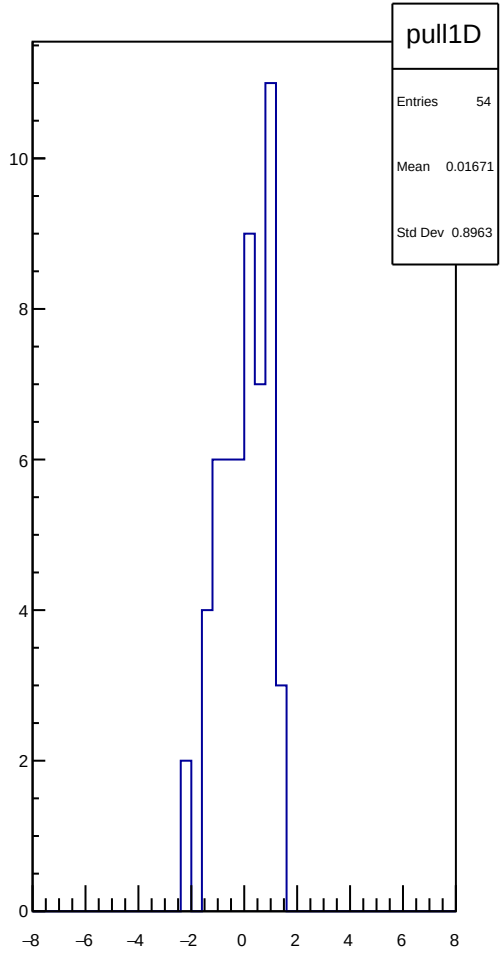
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

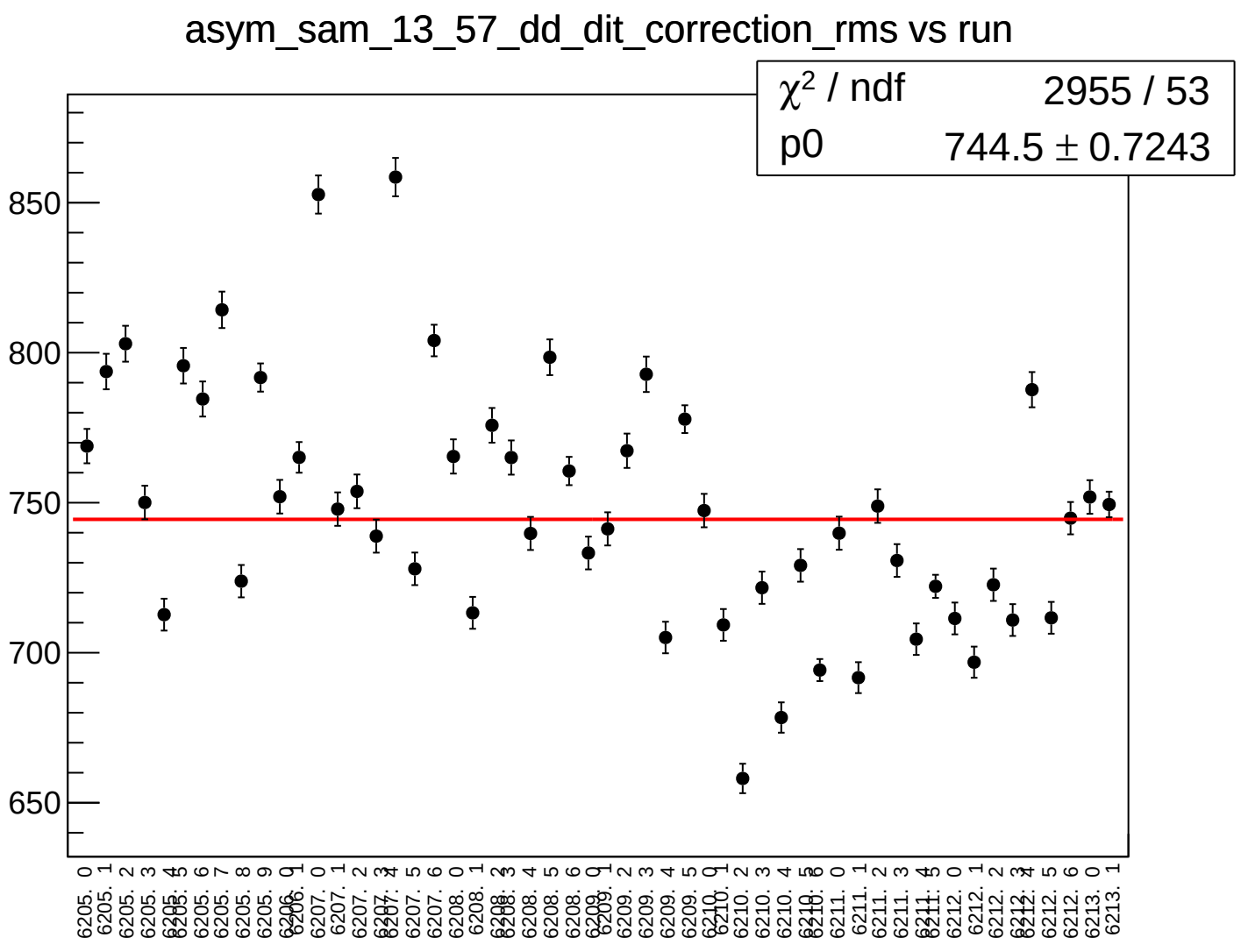

dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 54.97 / 53
p0 −166.2 ± 89.53
2000
1000
0
−1000
−2000
−3000
pull
Entries 54
Mean −241.2
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 54
Mean 0.01939
Std Dev 1.009
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_sam_13_57_dd_rms vs run
χ² / ndf 1.052e+04 / 53
p0 64.84 ± 0.06331
130
120
110
100
90
80
70
60
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_sam_13_57_dd_dit_correction_mean vs run
χ² / ndf 43.4 / 53
p0 −859.9 ± 1024
20000
10000
0
−10000
−20000
−30000
pull
Entries 54
Mean −1.945
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 54
Mean 0.01671
Std Dev 0.8963
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 2955 / 53
p0 744.5 ± 0.7243
850
800
750
700
650
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
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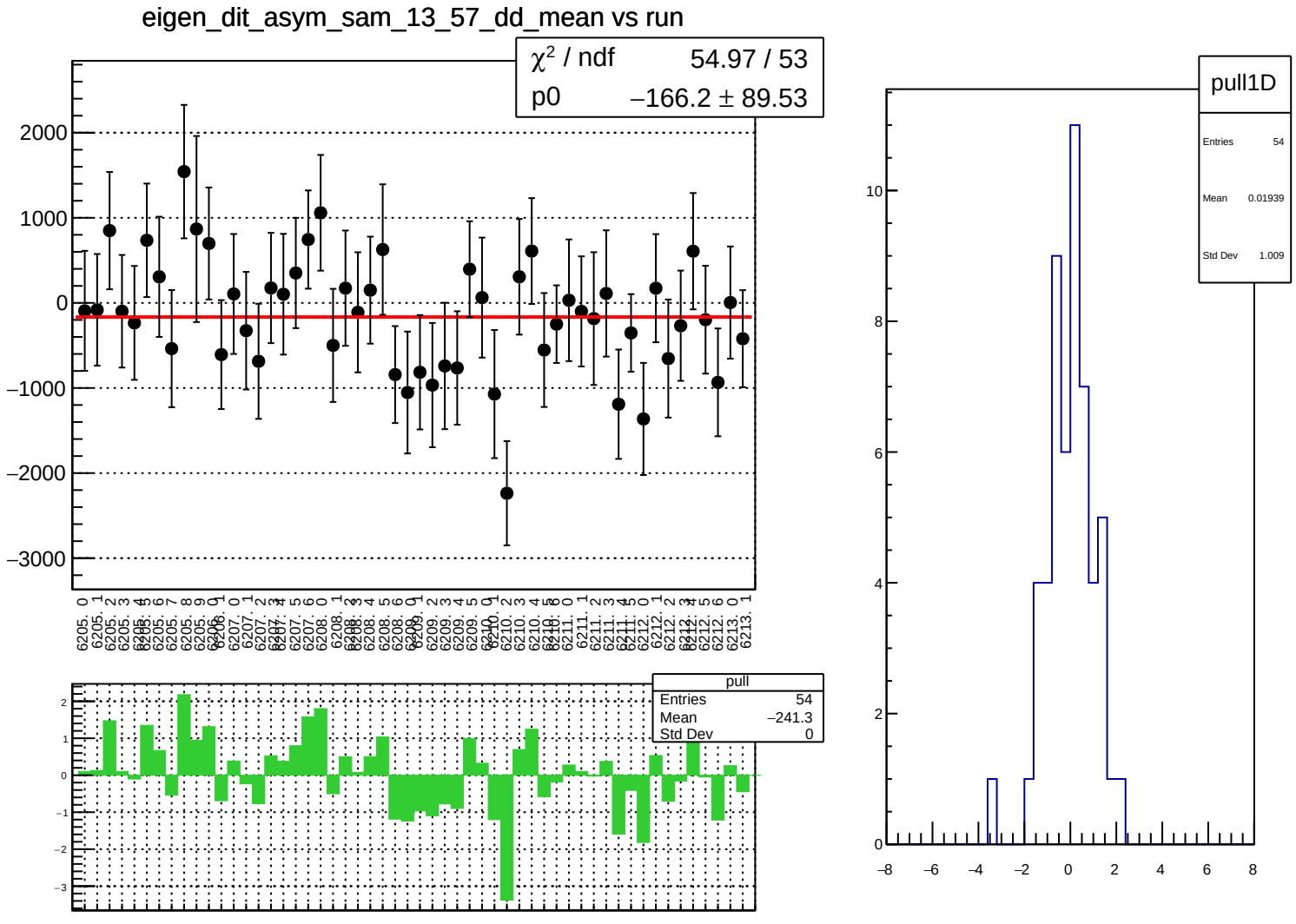
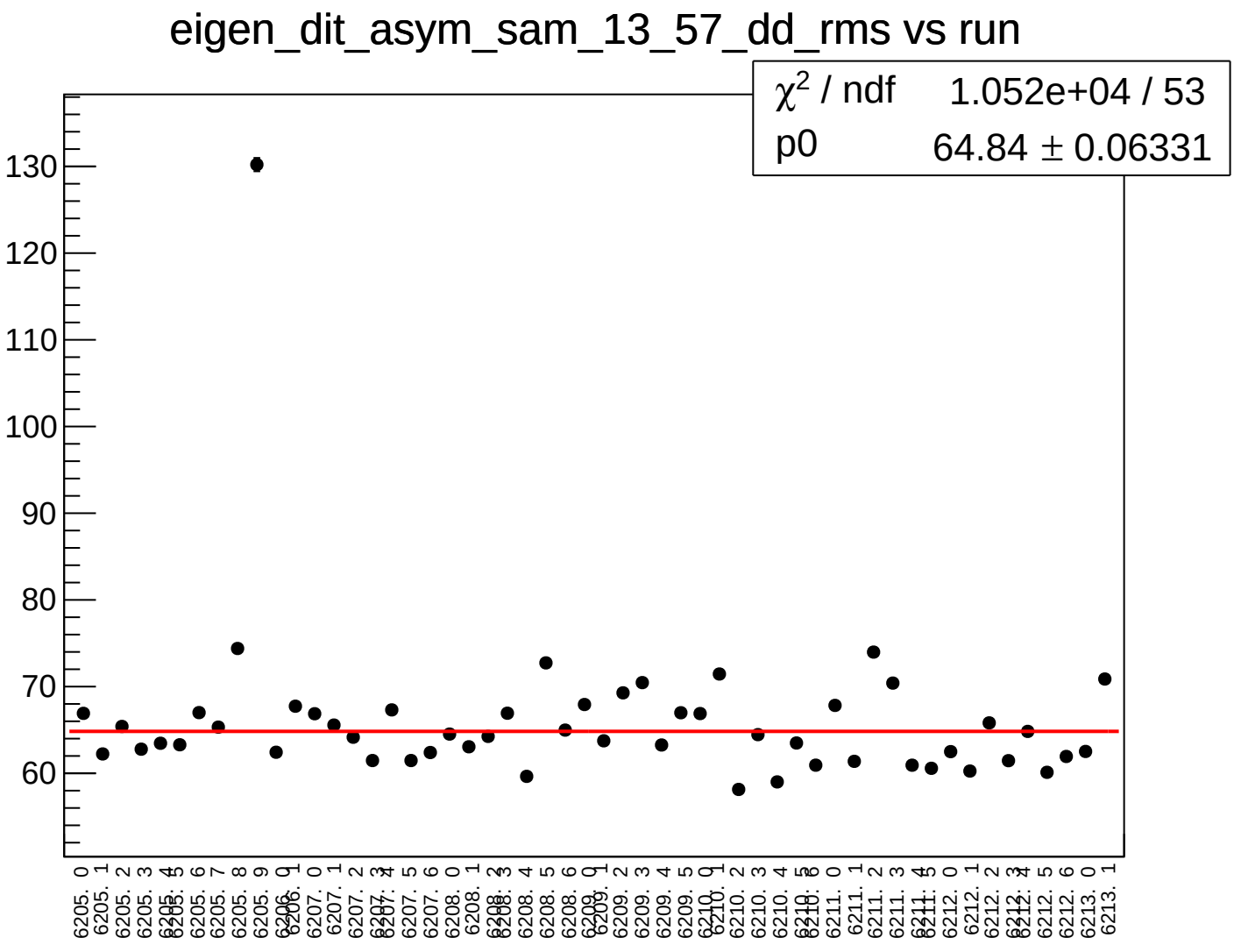
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


eigen_dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 54.97 / 53
p0 −166.2 ± 89.53
2000
1000
0
−1000
−2000
−3000
pull
Entries 54
Mean −241.3
Std Dev 0
pull1D
Entries 54
Mean 0.01939
Std Dev 1.009
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_dit_asym_sam_13_57_dd_rms vs run
χ² / ndf 1.052e+04 / 53
p0 64.84 ± 0.06331
130
120
110
100
90
80
70
60
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
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6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
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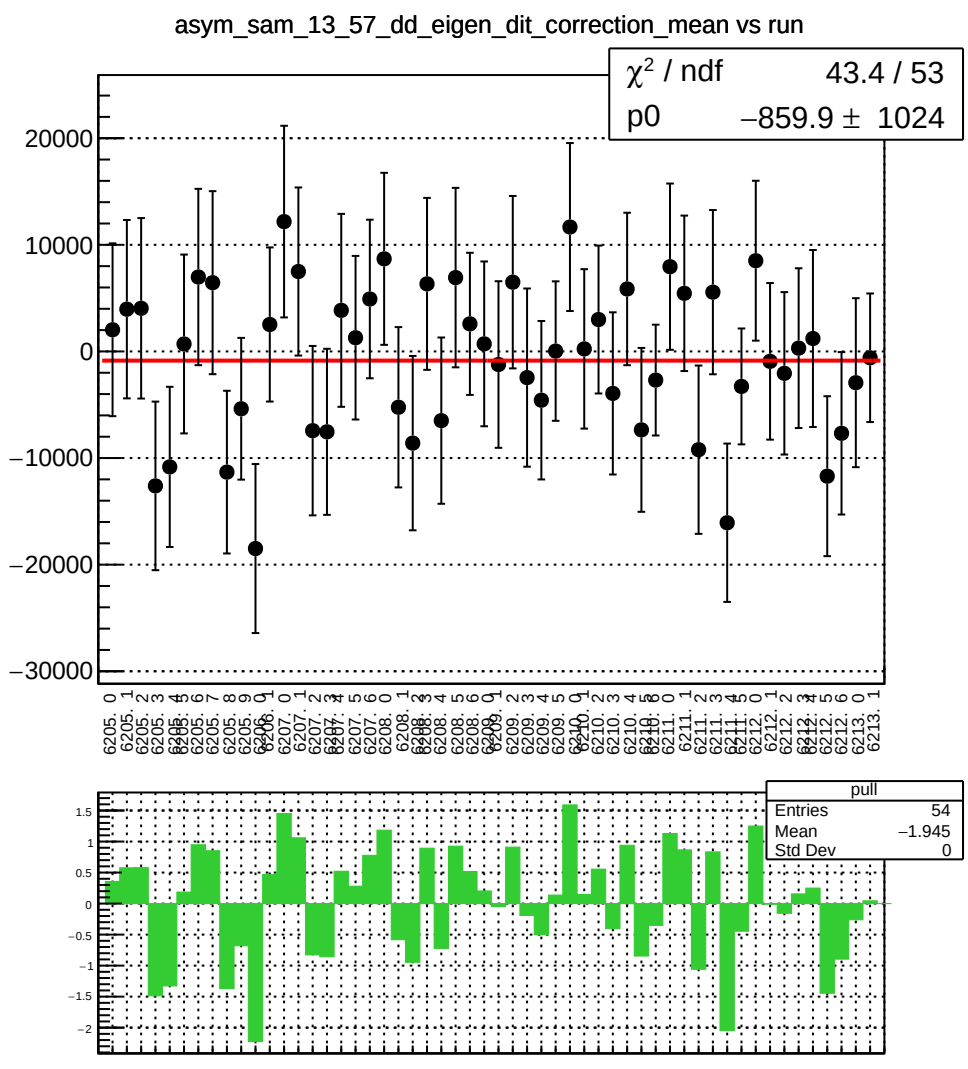
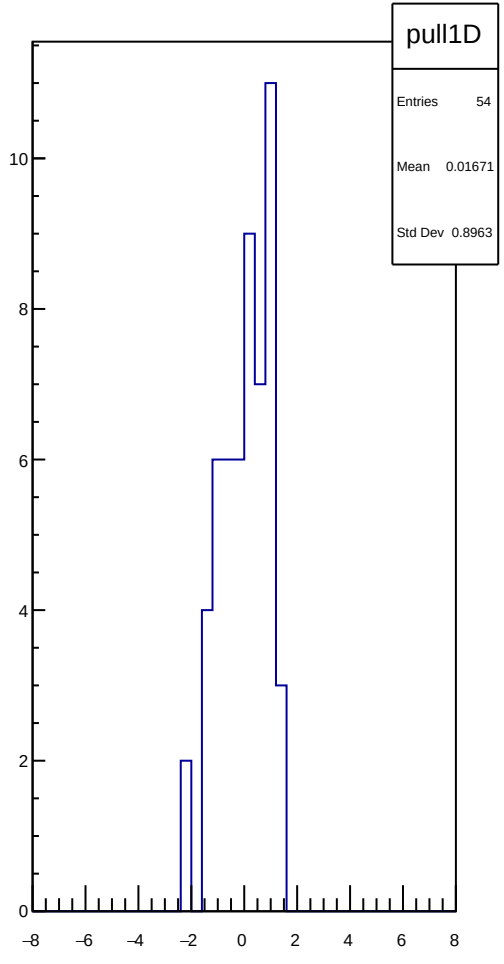
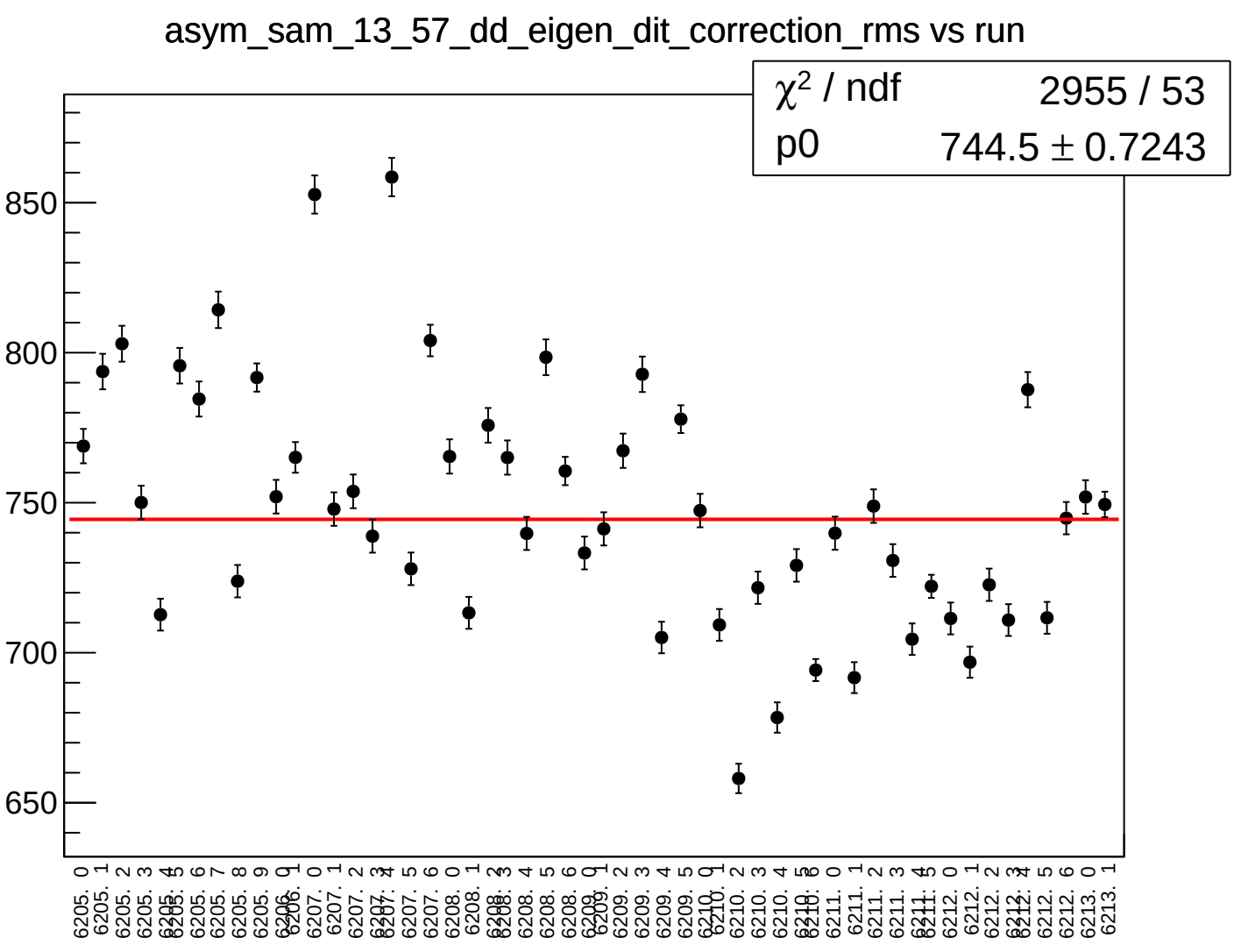
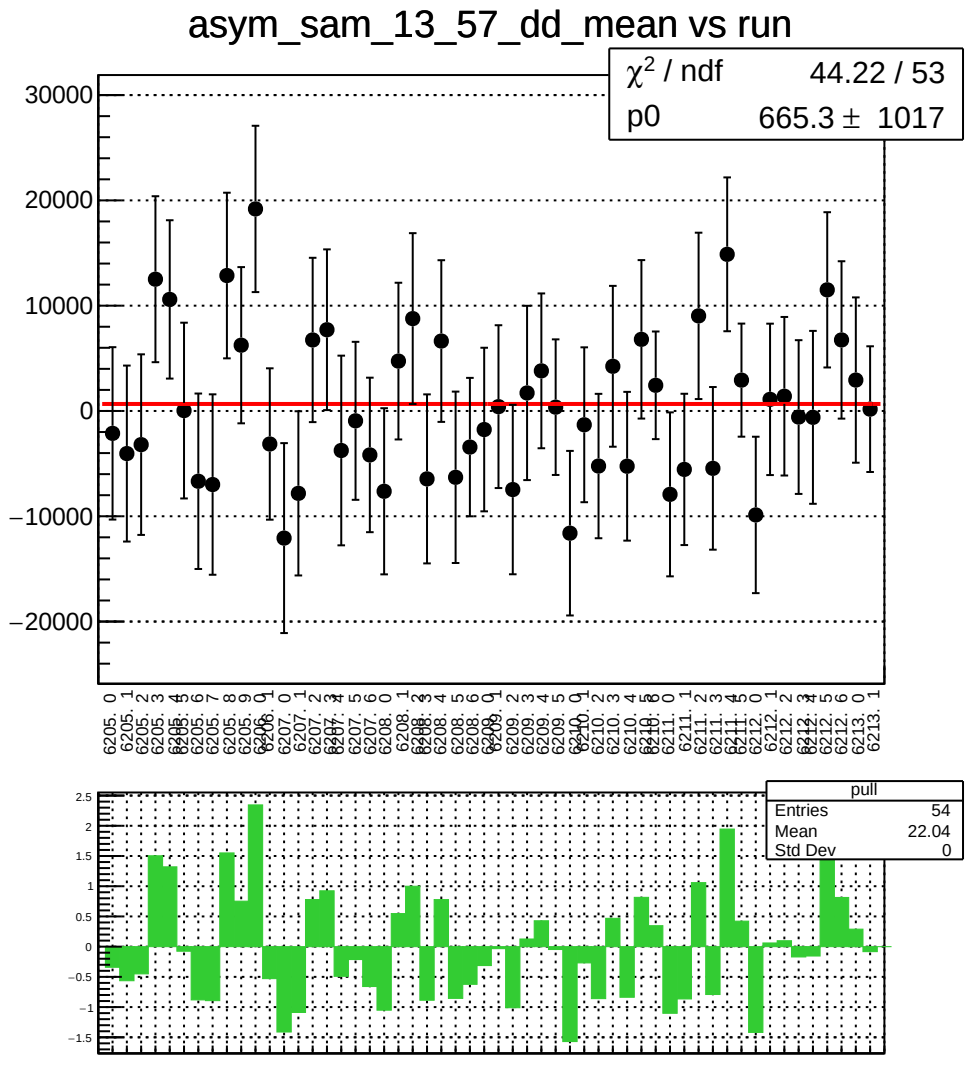
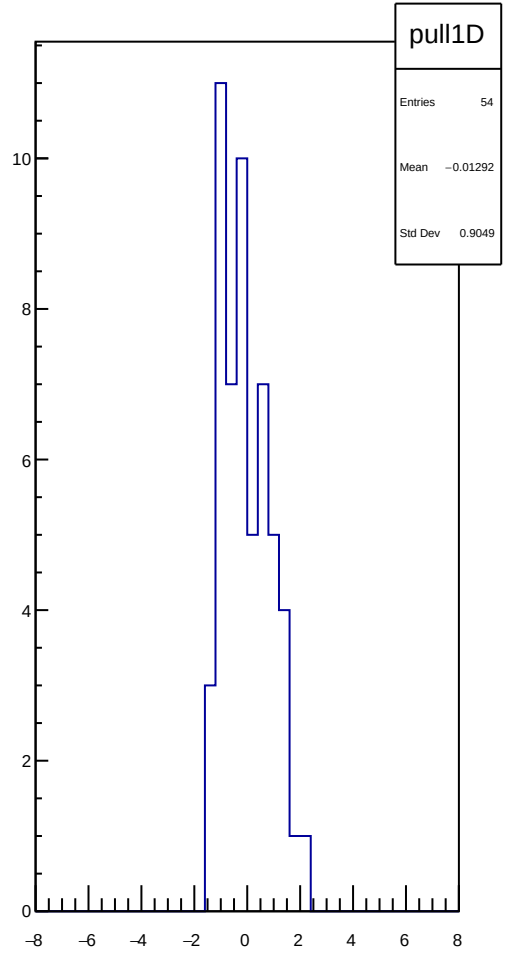
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

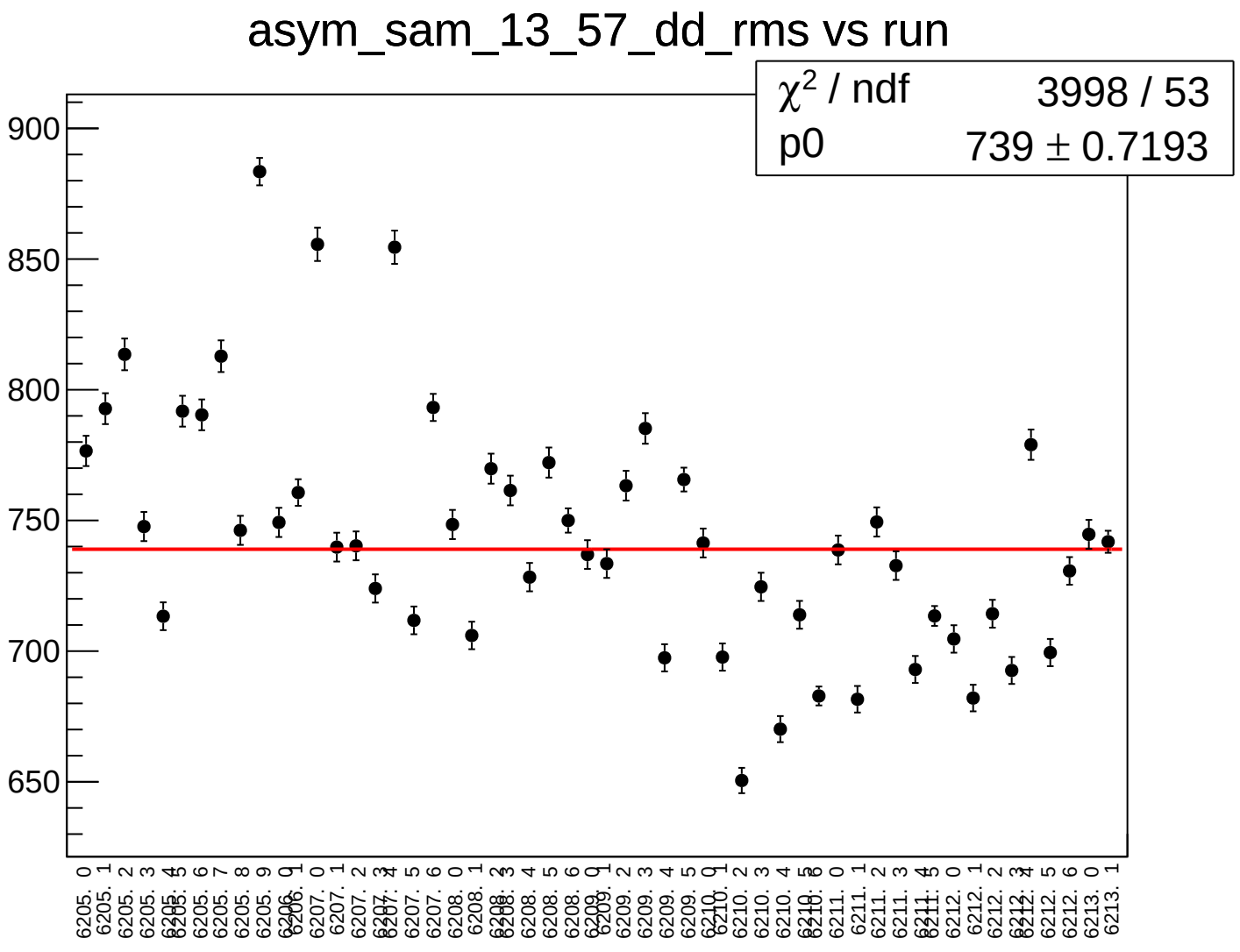

asym_sam_13_57_dd_eigen_dit_correction_mean vs run
χ² / ndf 43.4 / 53
p0 −859.9 ± 1024
20000
10000
0
−10000
−20000
−30000
pull
Entries 54
Mean −1.945
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

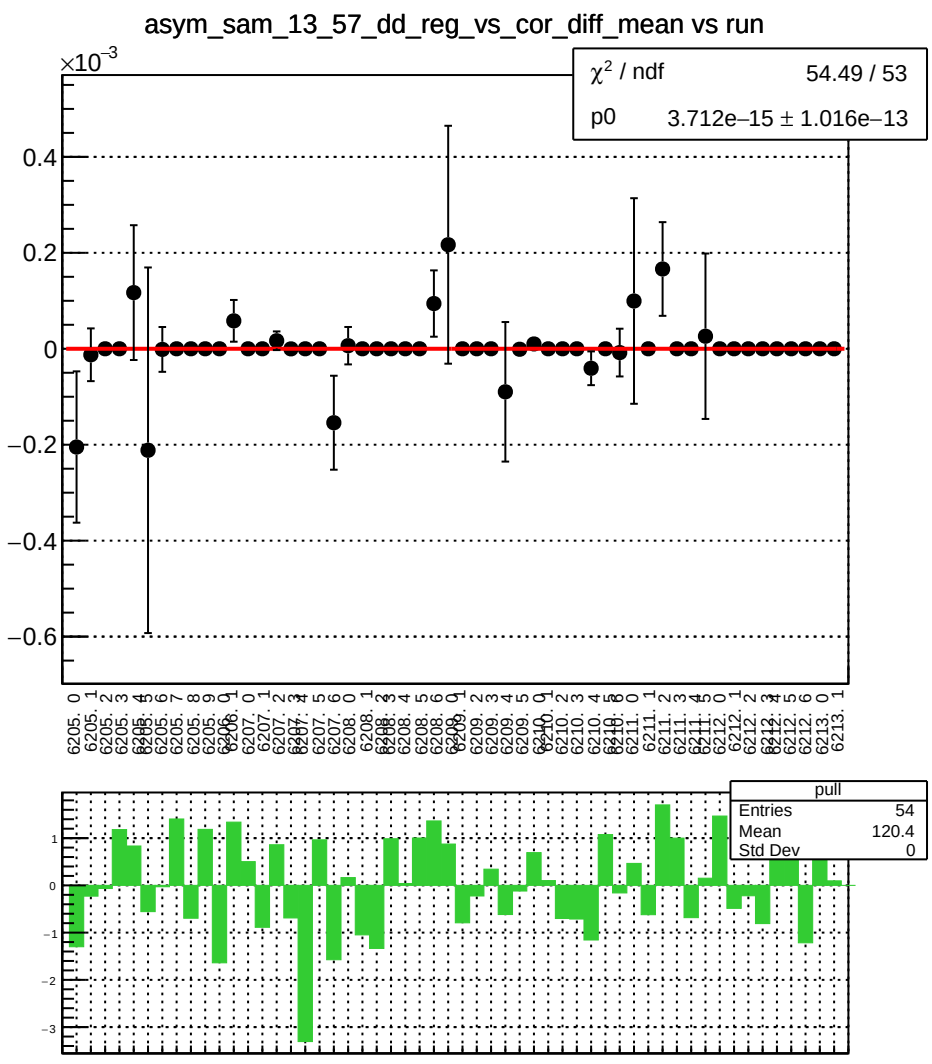

pull1D
Entries 54
Mean 0.01671
Std Dev 0.8963
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

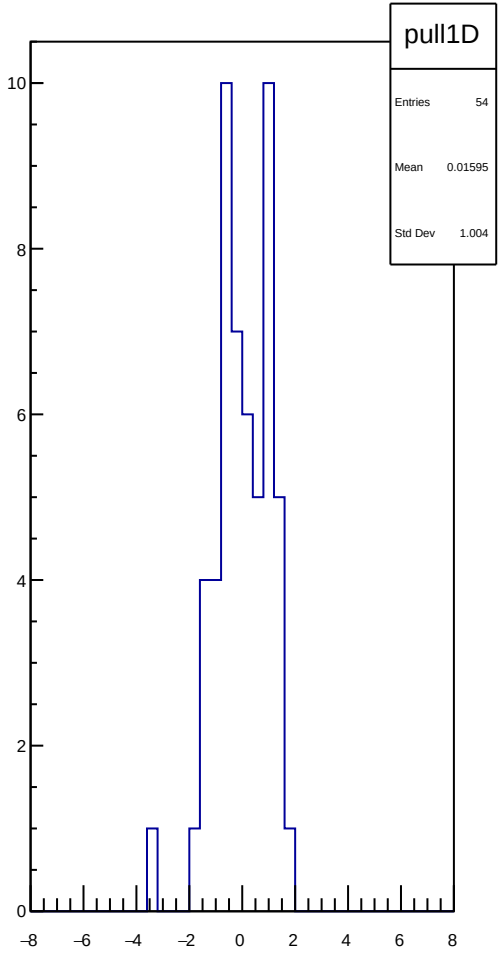

asym_sam_13_57_dd_eigen_dit_correction_rms vs run
χ² / ndf 2955 / 53
p0 744.5 ± 0.7243
850
800
750
700
650
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

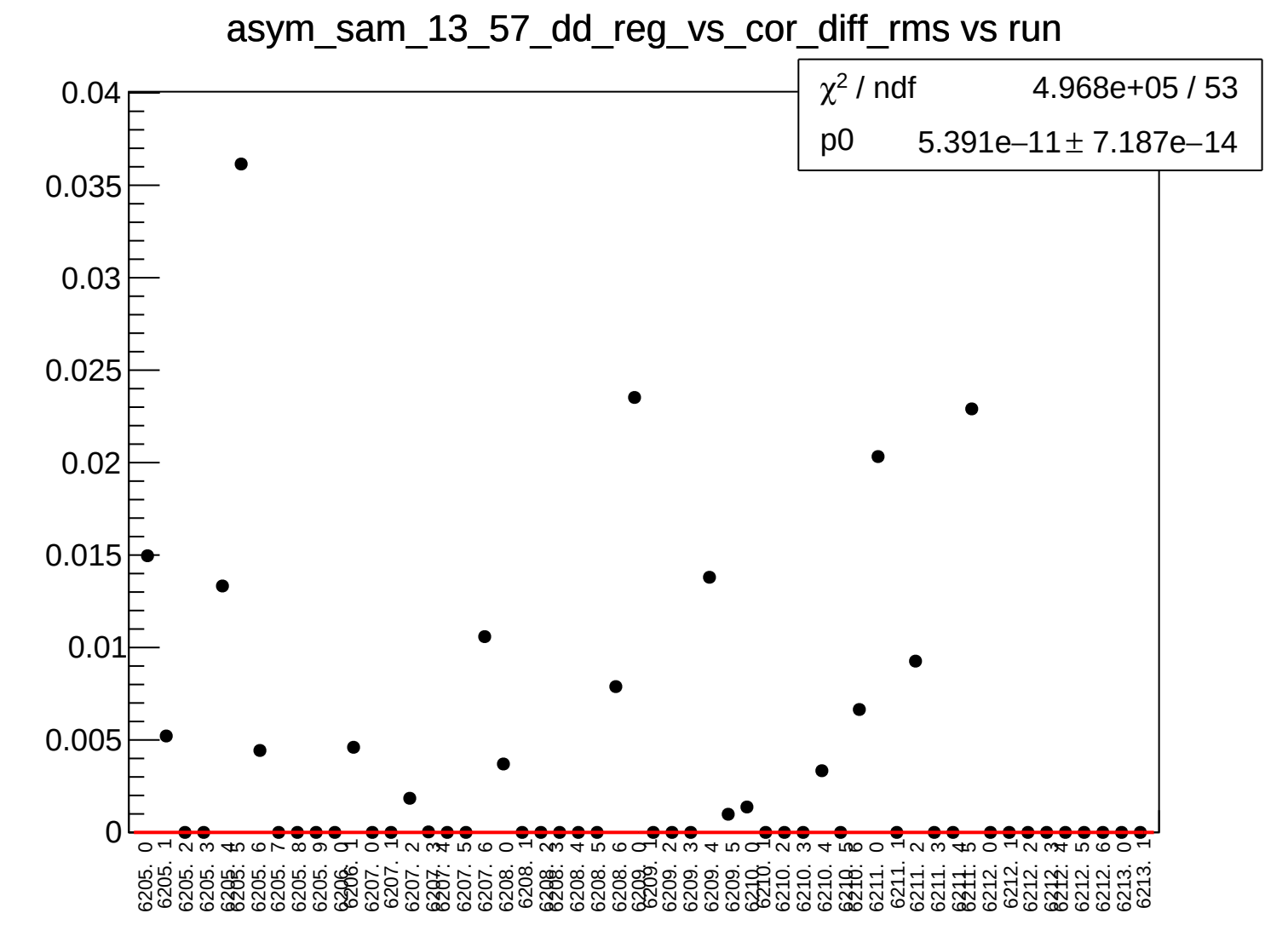

asym_sam_13_57_dd_mean vs run
χ² / ndf 44.22 / 53
p0 665.3 ± 1017
30000
20000
10000
0
−10000
−20000
pull
Entries 54
Mean 22.04
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

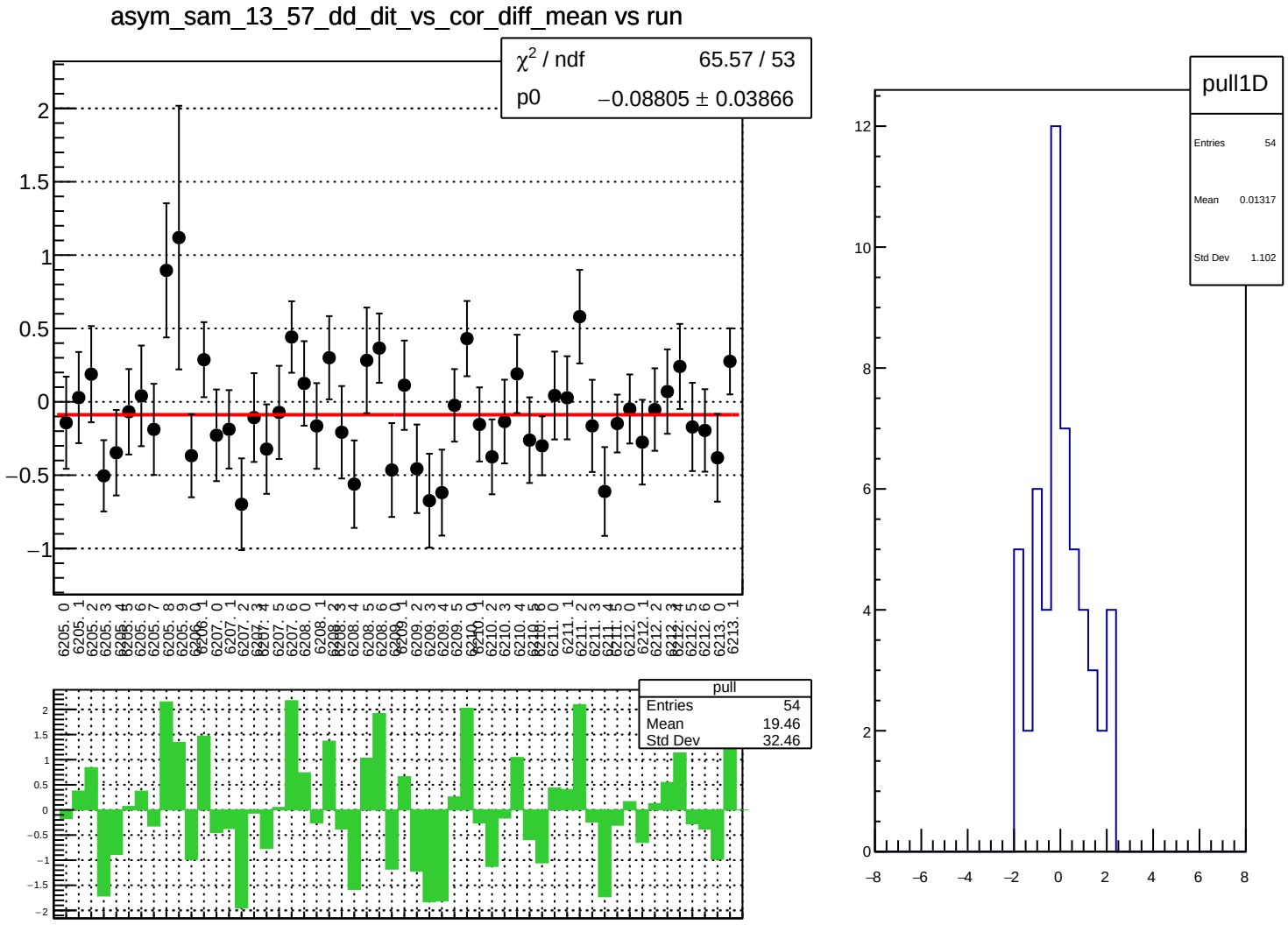

pull1D
Entries 54
Mean −0.01292
Std Dev 0.9049
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

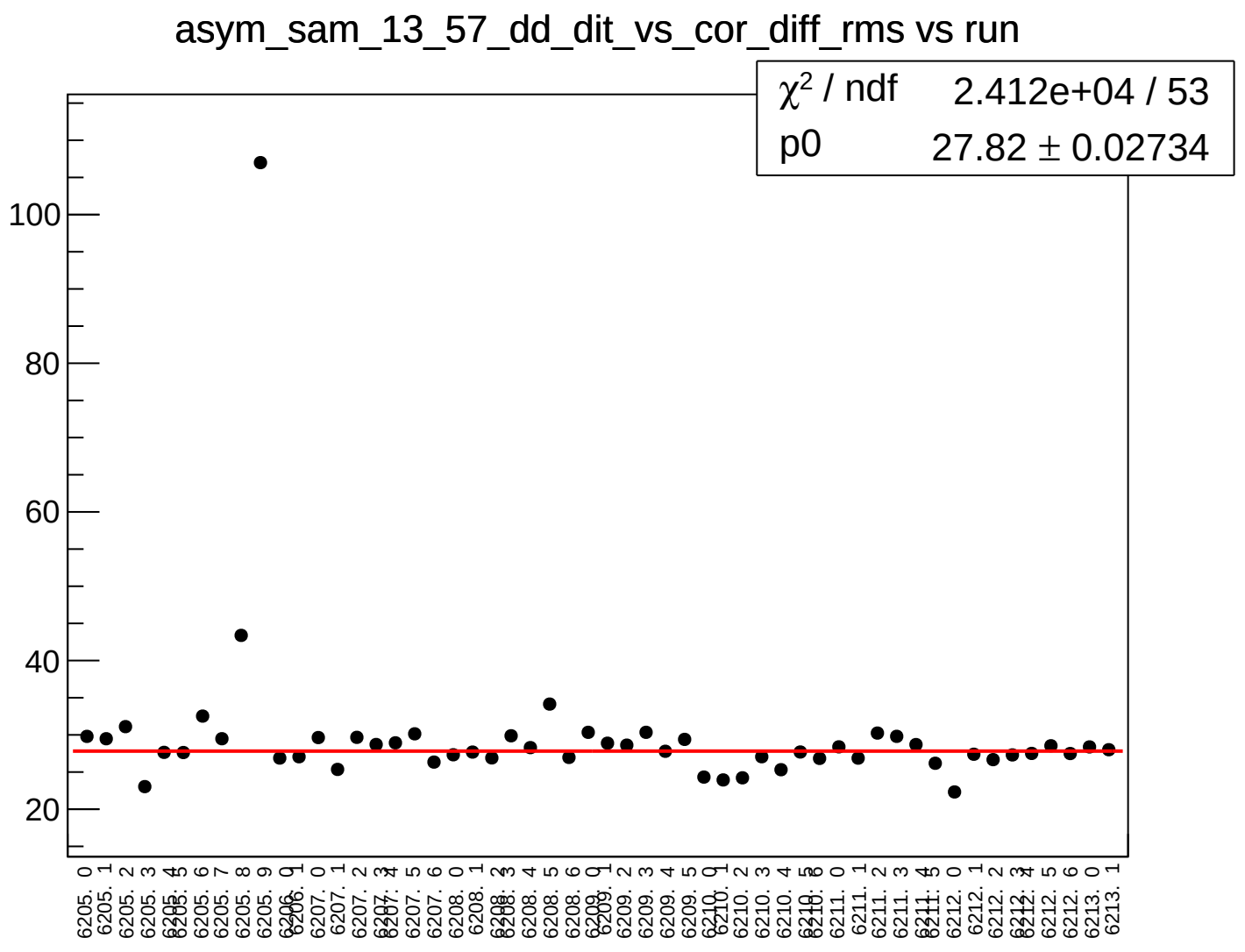

asym_sam_13_57_dd_rms vs run
χ² / ndf 3998 / 53
p0 739 ± 0.7193
900
850
800
750
700
650

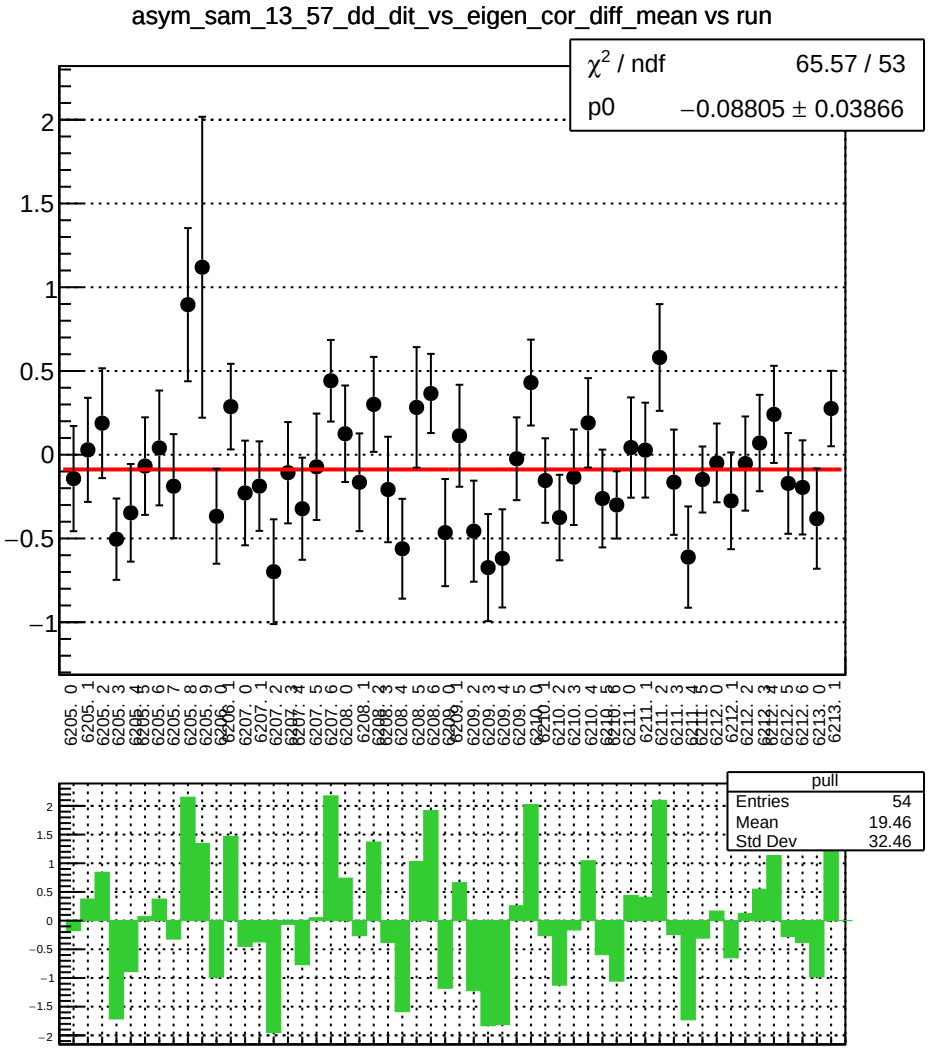

asym_sam_13_57_dd_reg_vs_cor_diff_mean vs run
×10^−3
χ² / ndf 54.49 / 53
p0 3.712e−15 ± 1.016e−13
0.4
0.2
0
−0.2
−0.4
−0.6
pull
Entries 54
Mean 120.4
Std Dev 0
1
0
−1
−2
−3

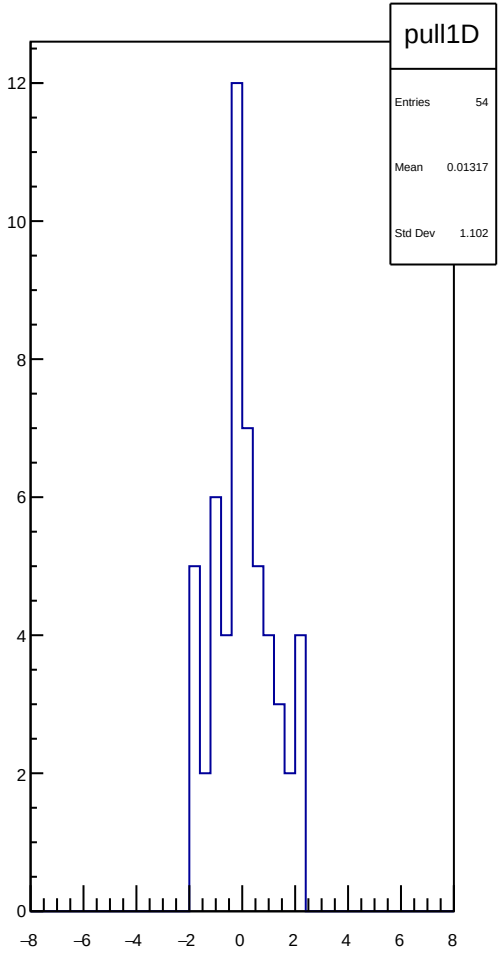

pull1D
Entries 54
Mean 0.01595
Std Dev 1.004
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

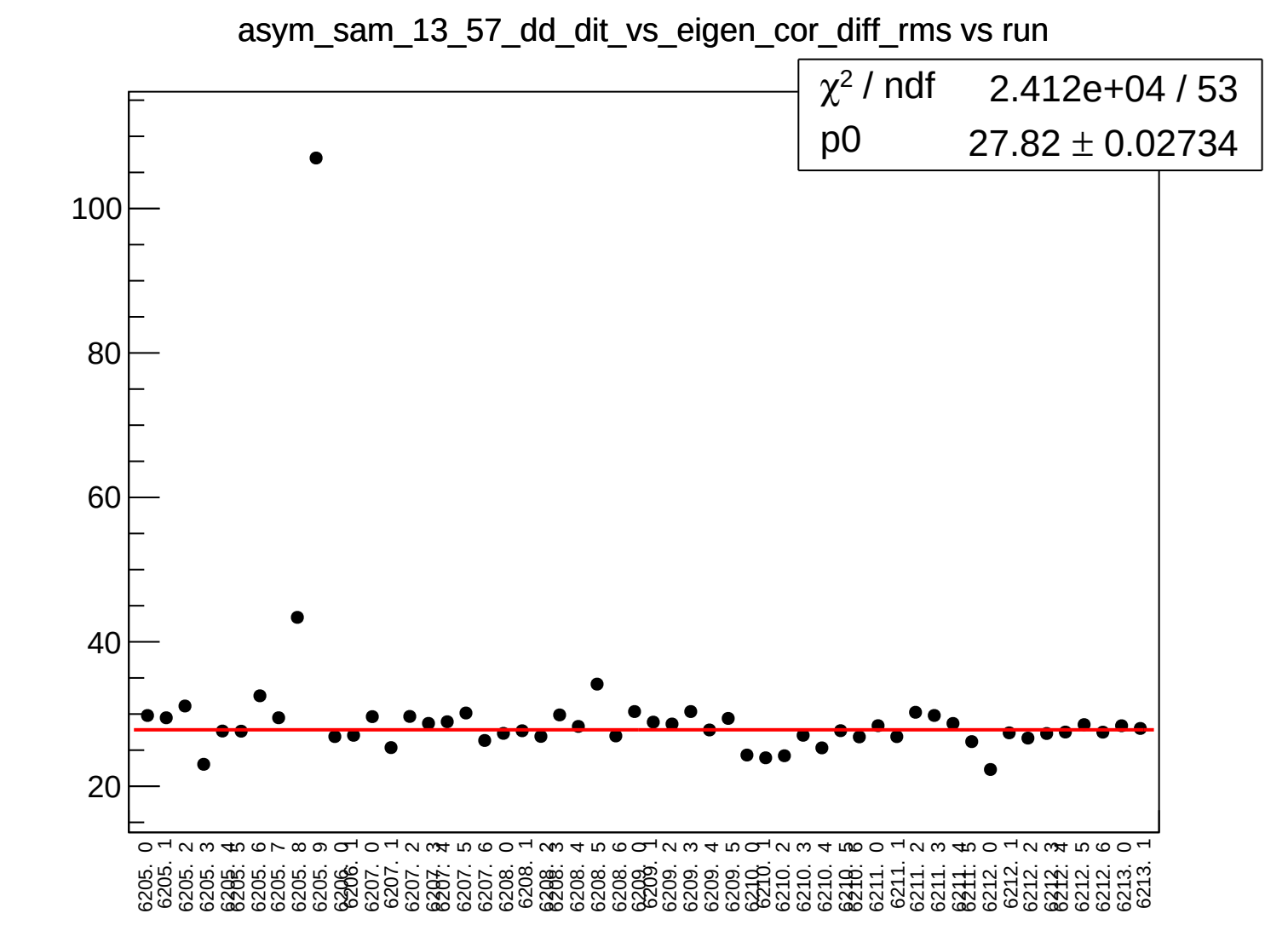

asym_sam_13_57_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 4.968e+05 / 53
p0 5.391e−11 ± 7.187e−14
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0

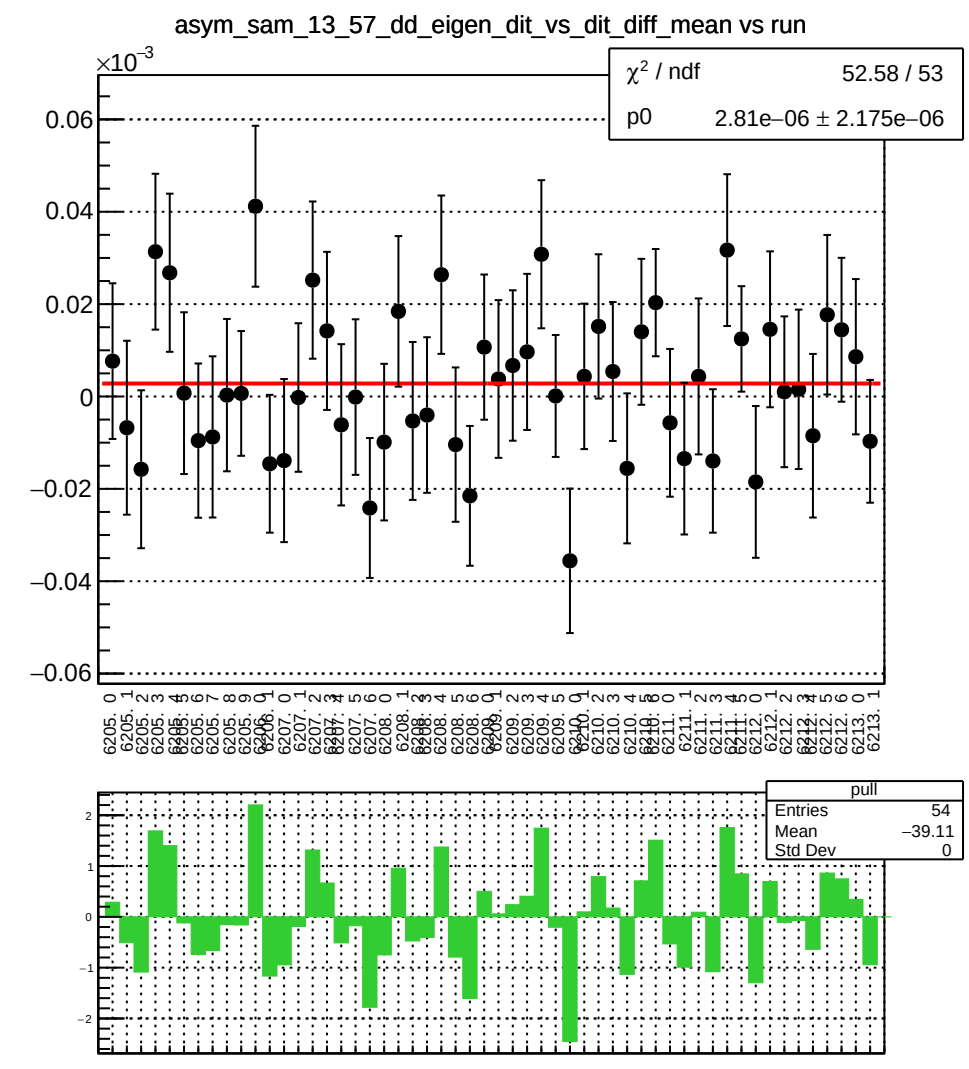

asym_sam_13_57_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 65.57 / 53
p0 −0.08805 ± 0.03866
pull
Entries 54
Mean 19.46
Std Dev 32.46
pull1D
Entries 54
Mean 0.01317
Std Dev 1.102

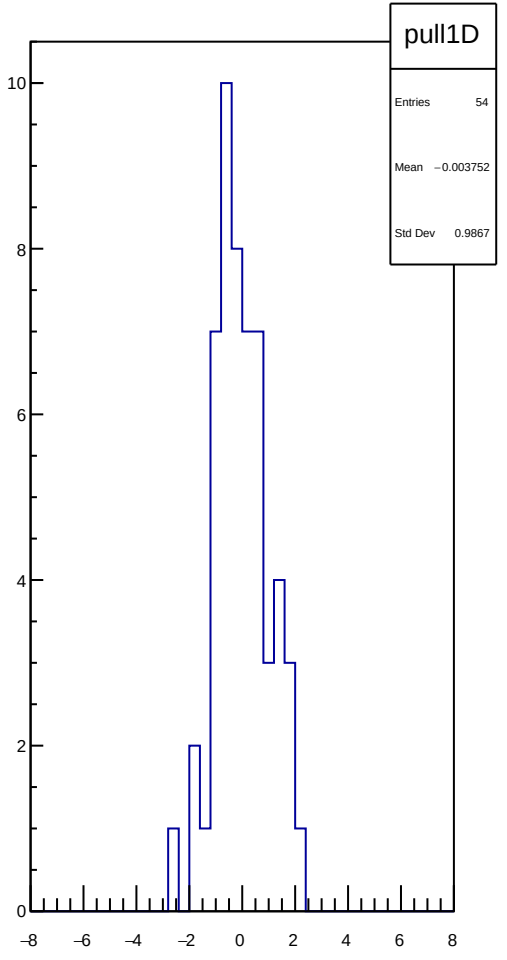

asym_sam_13_57_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.412e+04 / 53
p0 27.82 ± 0.02734
100
80
60
40
20
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

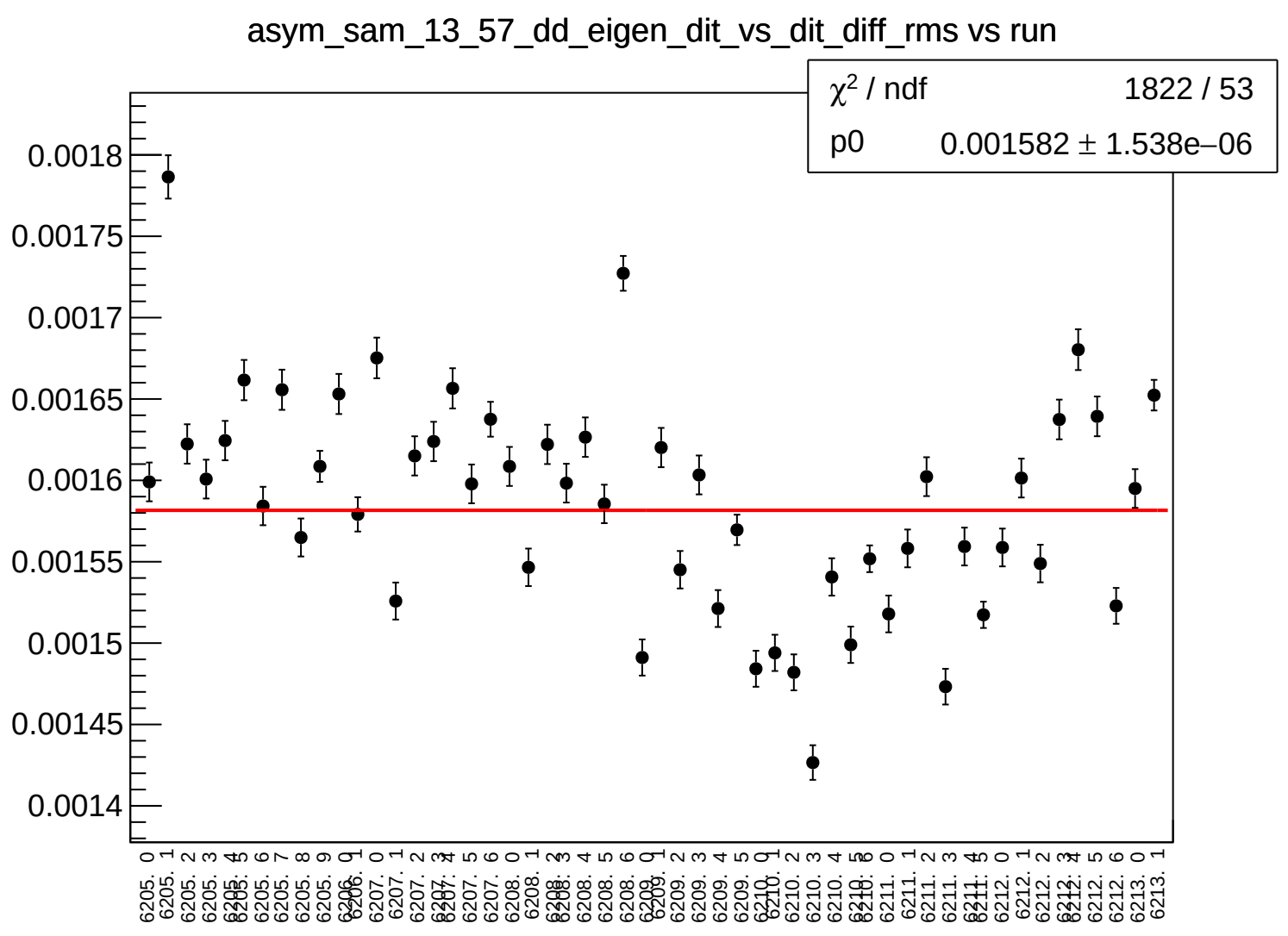

asym_sam_13_57_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 65.57 / 53
p0 −0.08805 ± 0.03866
pull
Entries 54
Mean 19.46
Std Dev 32.46

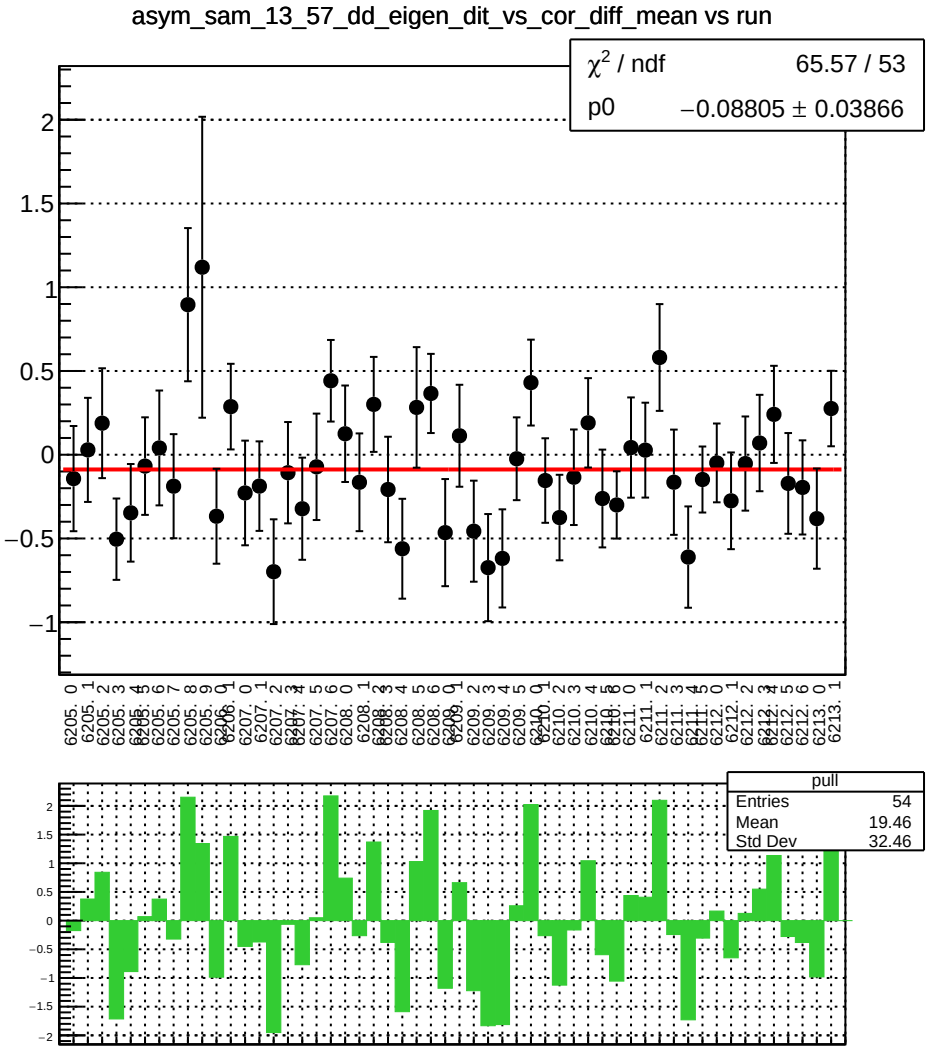

pull1D
Entries 54
Mean 0.01317
Std Dev 1.102

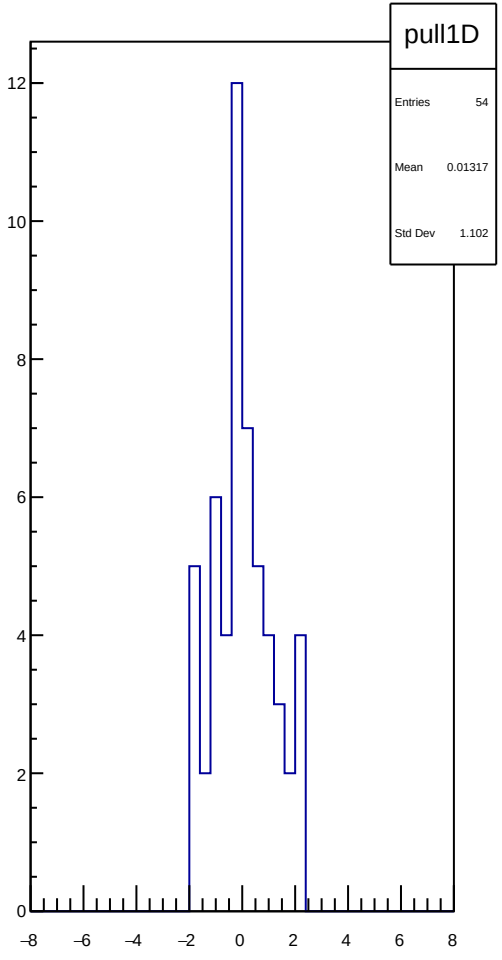

asym_sam_13_57_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.412e+04 / 53
p0 27.82 ± 0.02734
100
80
60
40
20
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

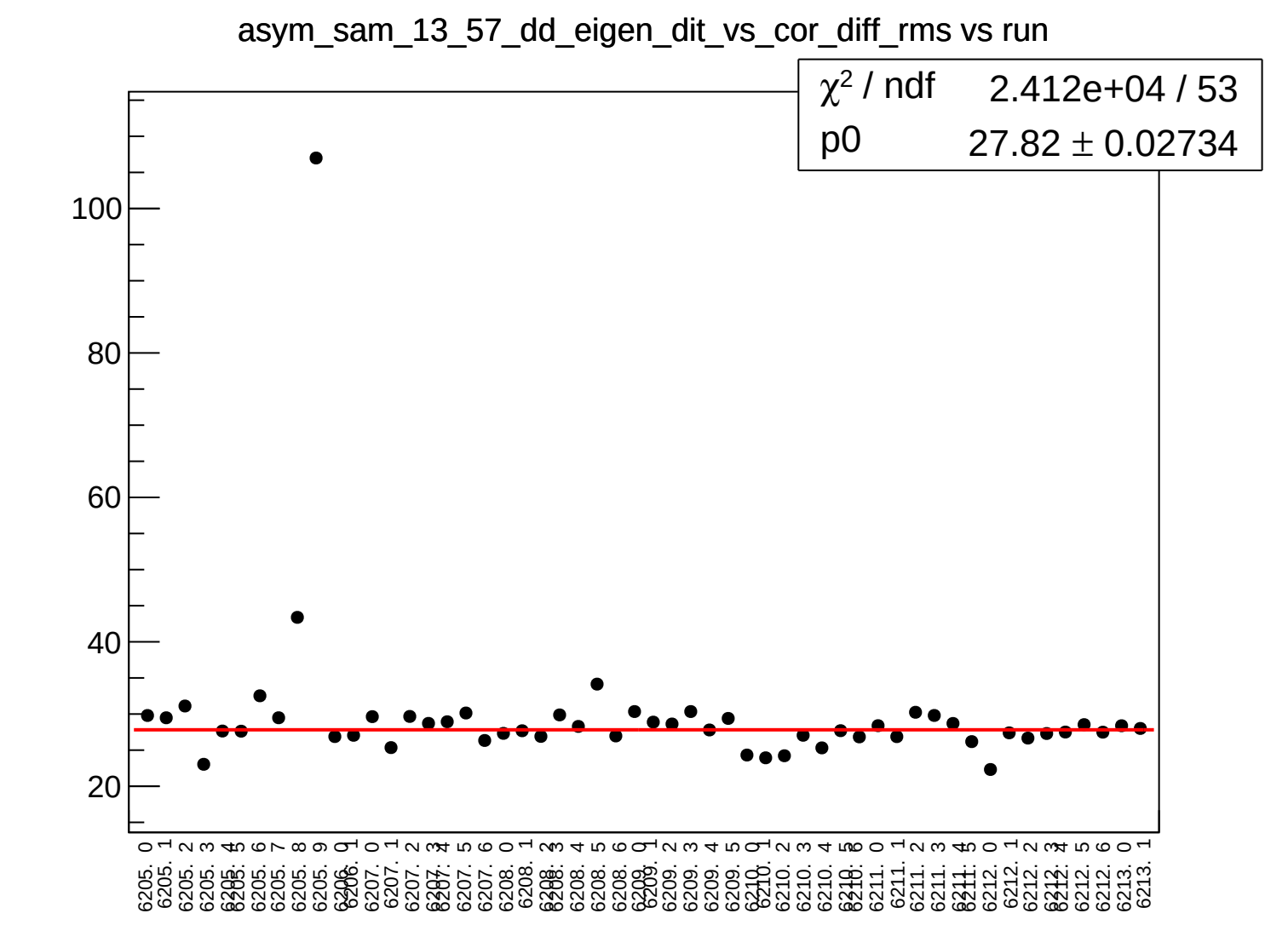

asym_sam_13_57_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 52.58 / 53
p0 2.81e−06 ± 2.175e−06
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
pull
Entries 54
Mean −39.11
Std Dev 0
2
1
0
−1
−2

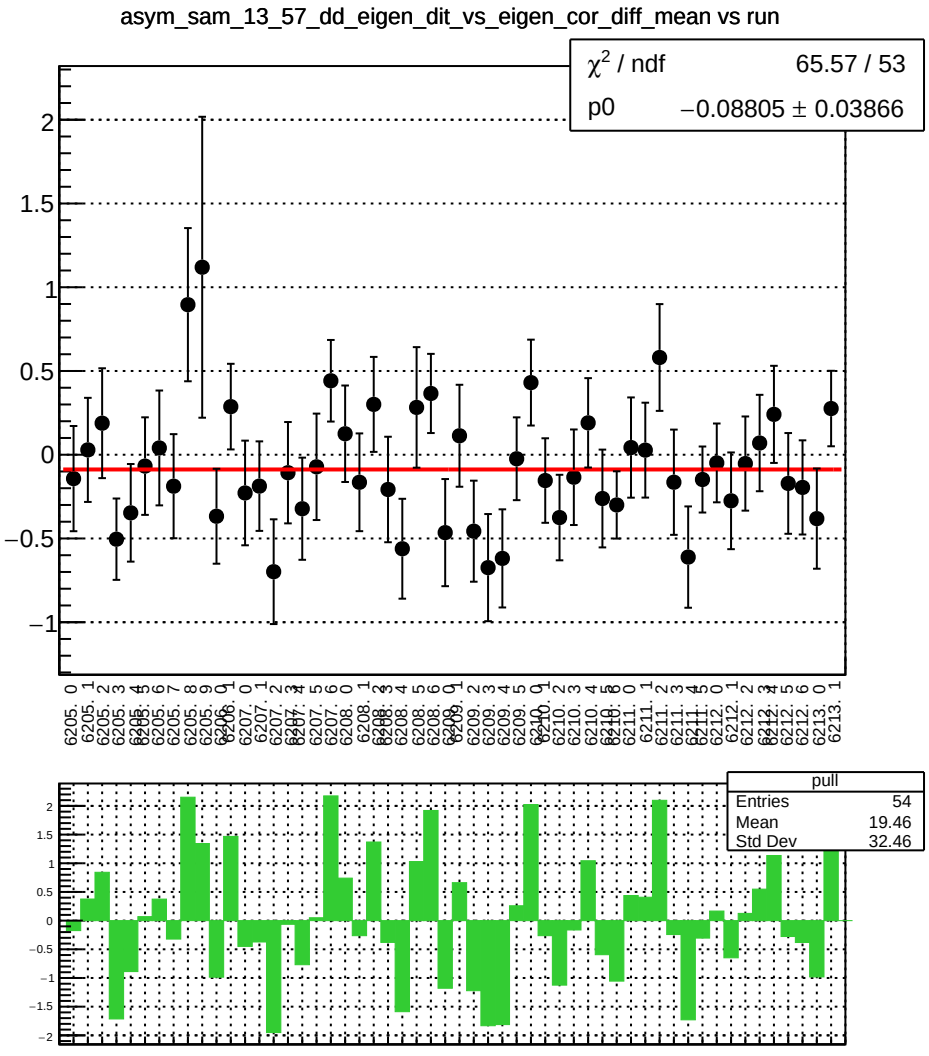

pull1D
Entries 54
Mean −0.003752
Std Dev 0.9867
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

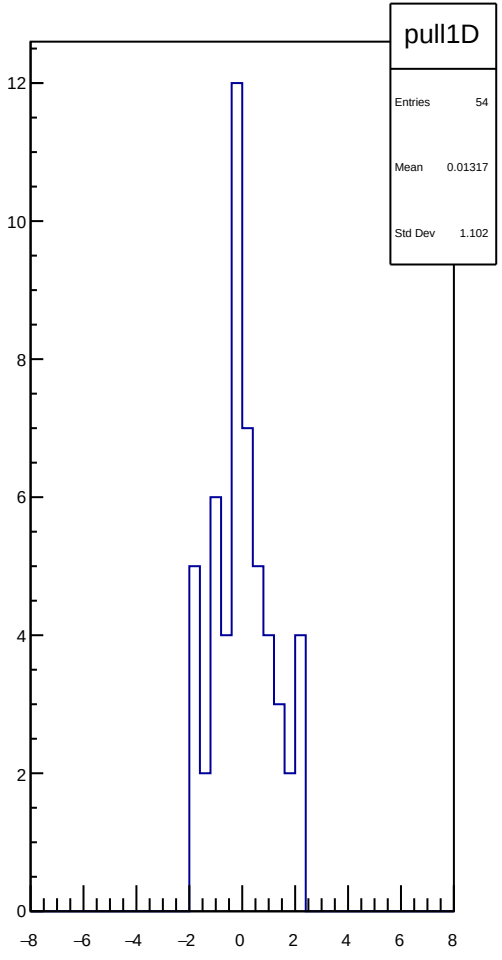

asym_sam_13_57_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1822 / 53
p0 0.001582 ± 1.538e−06
0.0018
0.00175
0.0017
0.00165
0.0016
0.00155
0.0015
0.00145
0.0014
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

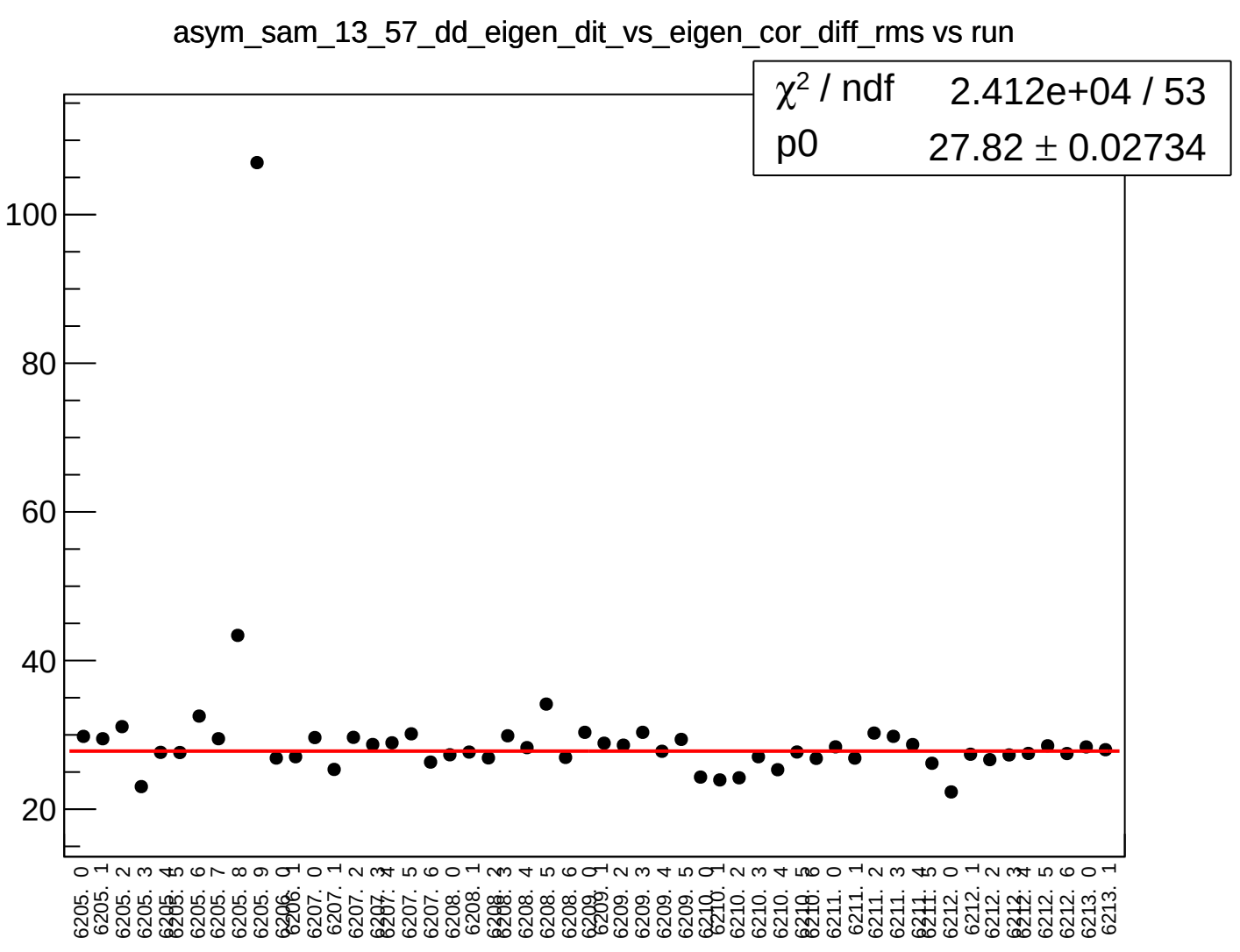

asym_sam_13_57_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 65.57 / 53
p0 −0.08805 ± 0.03866
pull
Entries 54
Mean 19.46
Std Dev 32.46

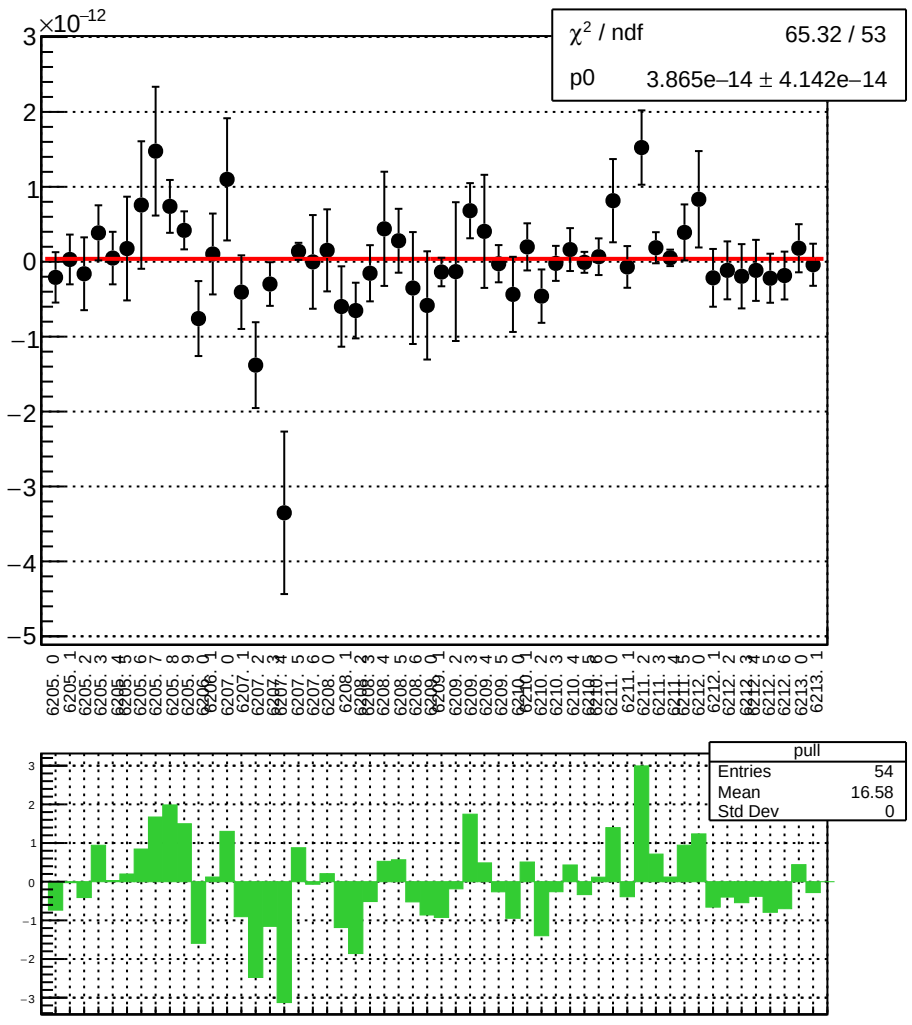

pull1D
Entries 54
Mean 0.01317
Std Dev 1.102

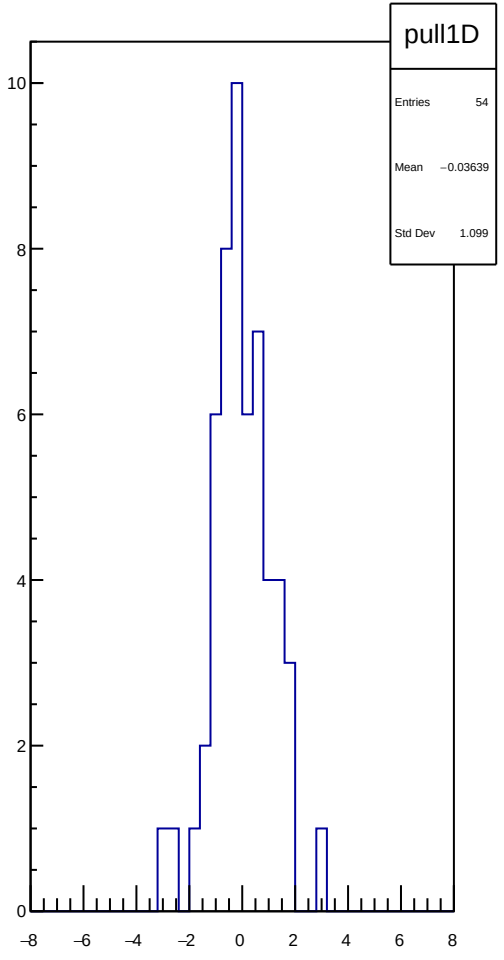

asym_sam_13_57_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.412e+04 / 53
p0 27.82 ± 0.02734
100
80
60
40
20
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

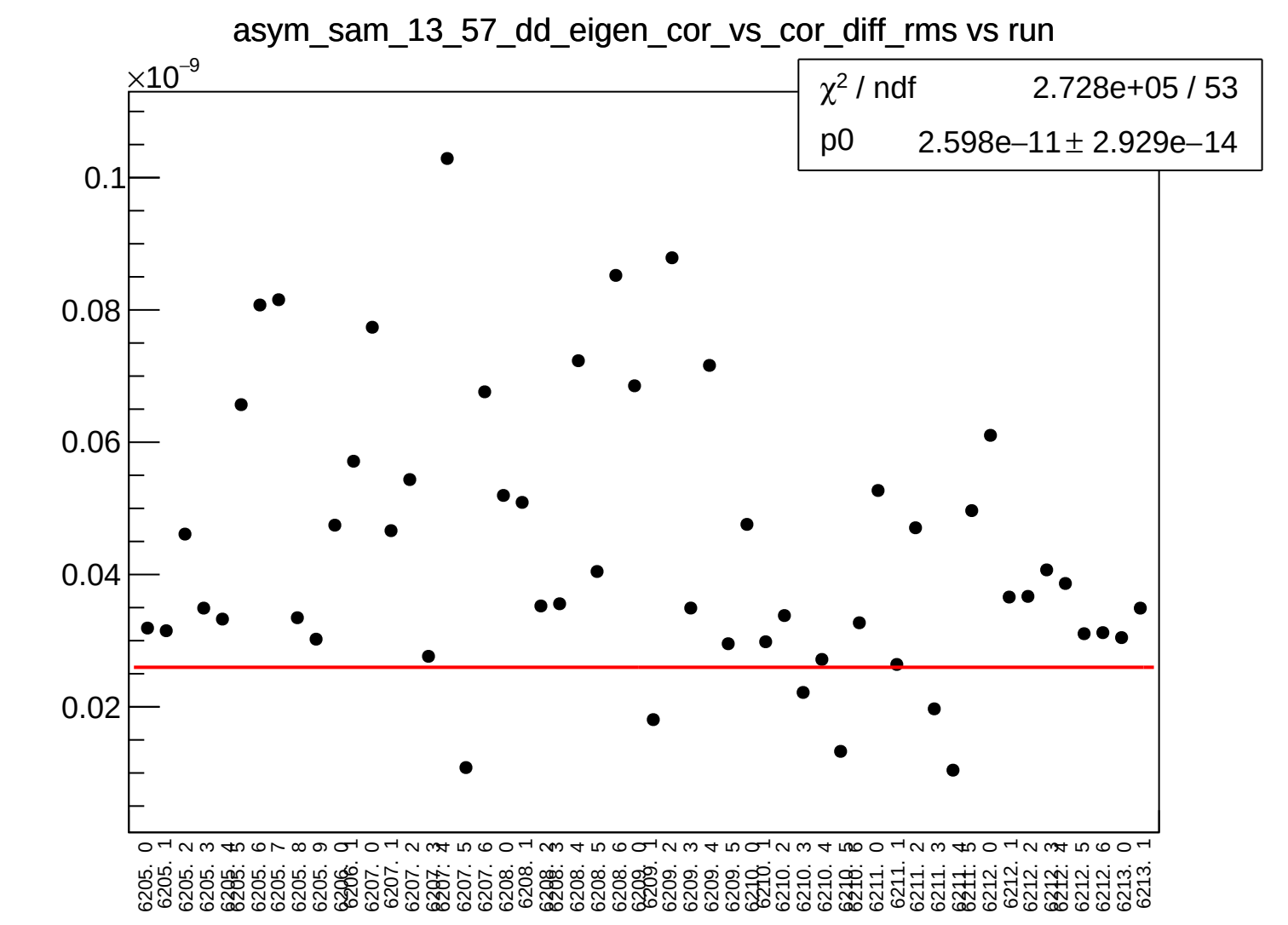

asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 65.57 / 53
p0 −0.08805 ± 0.03866
pull
Entries 54
Mean 19.46
Std Dev 32.46

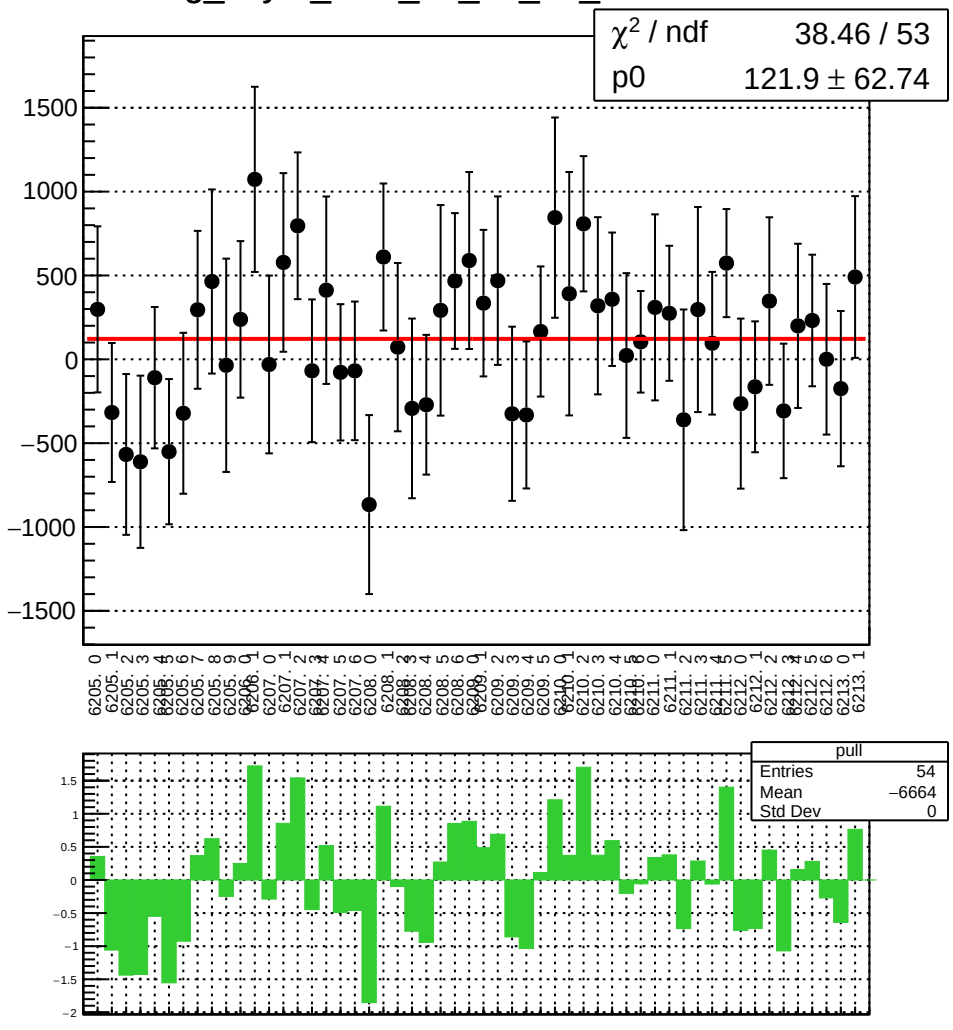

pull1D
Entries 54
Mean 0.01317
Std Dev 1.102

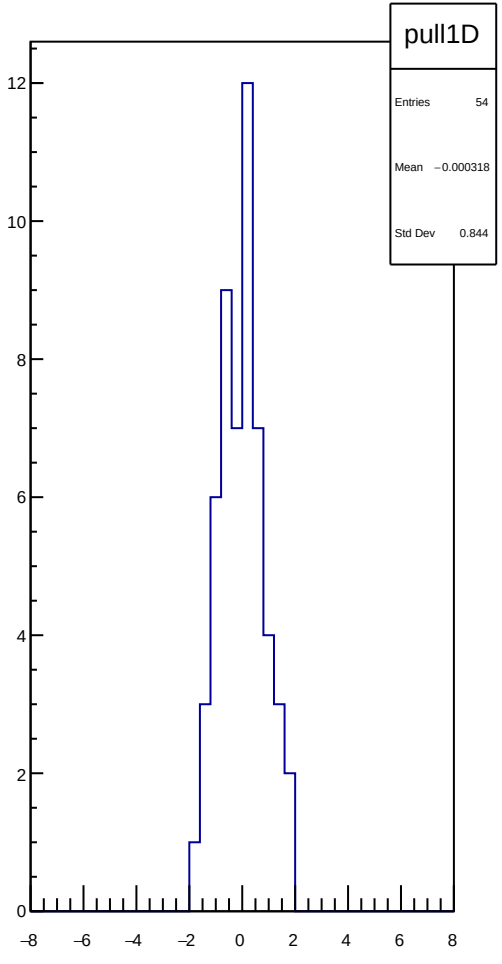

asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.412e+04 / 53
p0 27.82 ± 0.02734
100
80
60
40
20
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

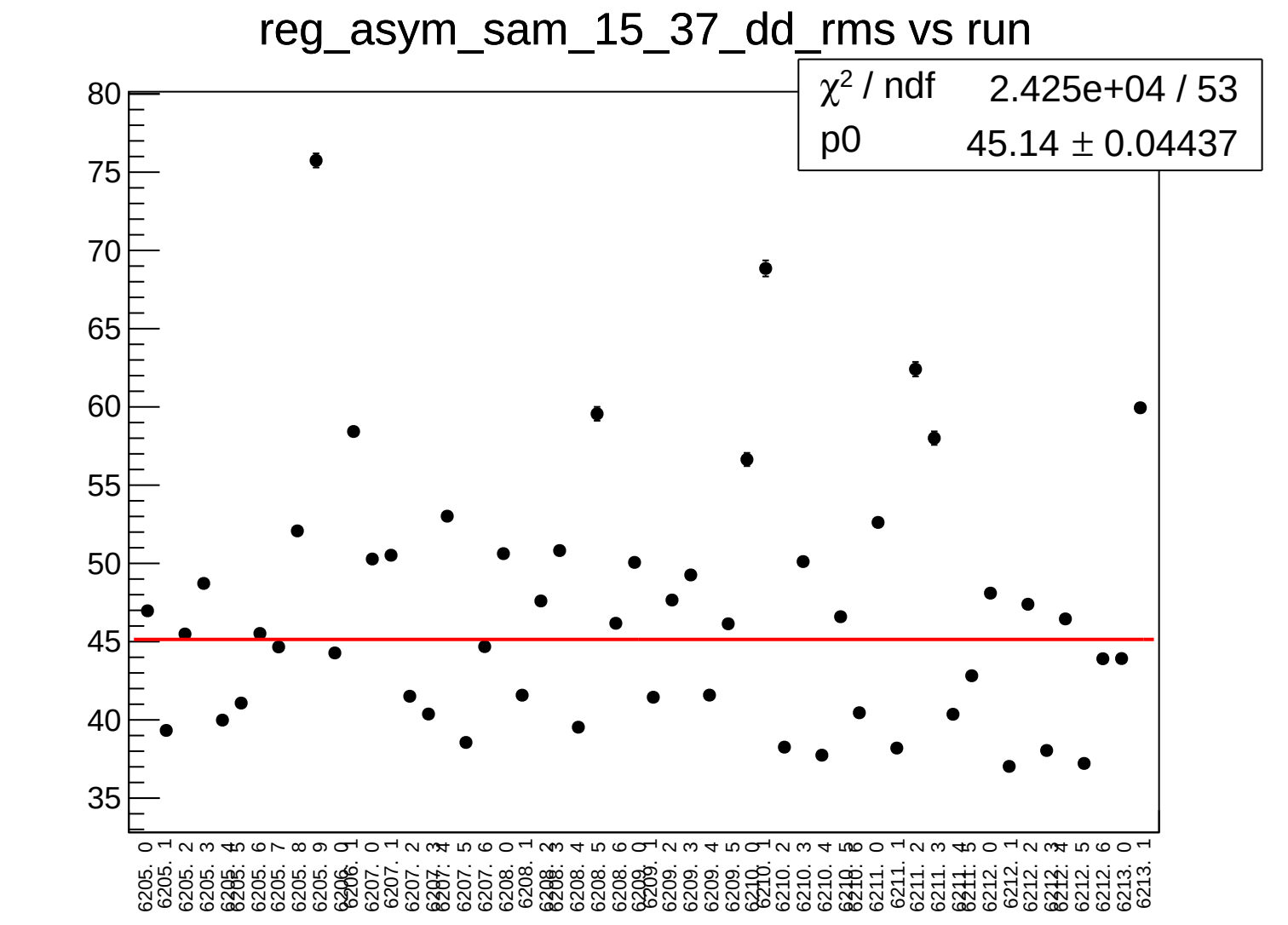

asym_sam_13_57_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 65.32 / 53
p0 3.865e−14 ± 4.142e−14
pull
Entries 54
Mean 16.58
Std Dev 0

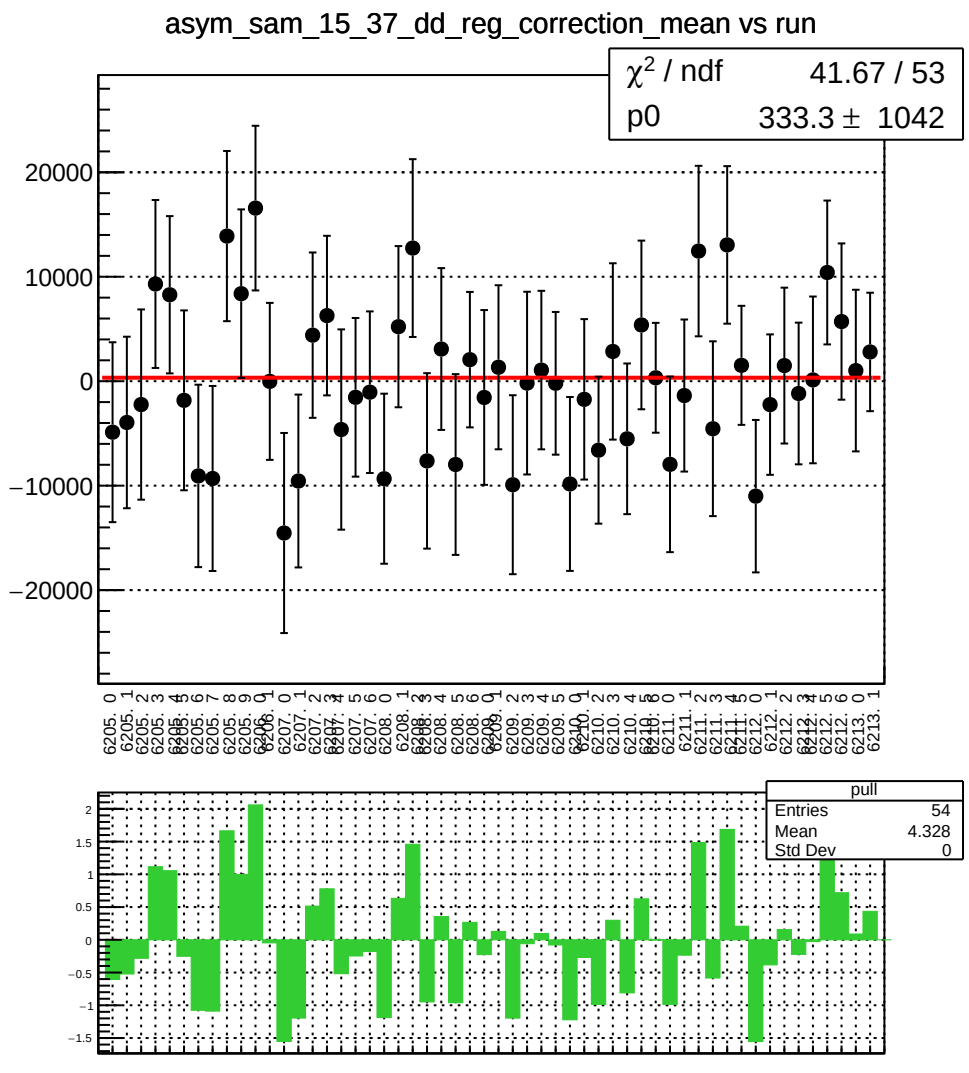

pull1D
Entries 54
Mean −0.03639
Std Dev 1.099

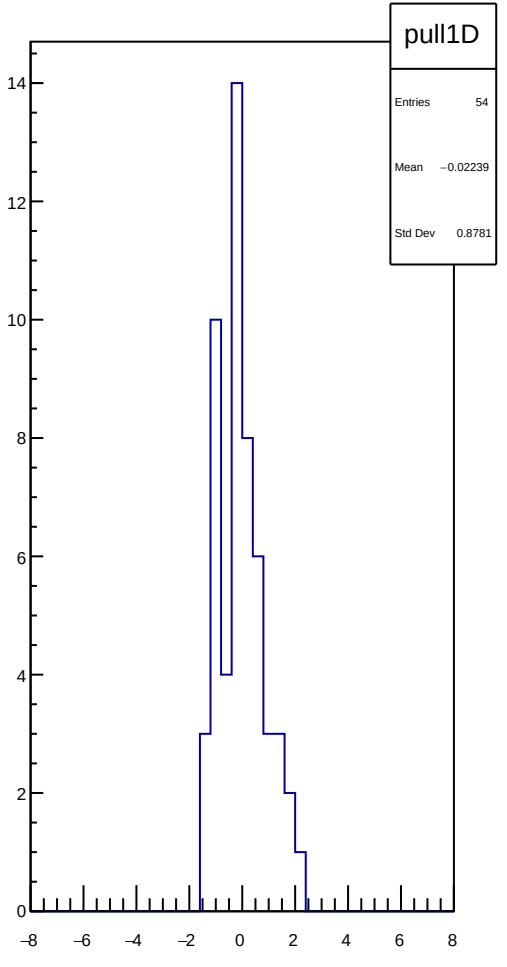

asym_sam_13_57_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.728e+05 / 53
p0 2.598e−11 ± 2.929e−14
0.1
0.08
0.06
0.04
0.02
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

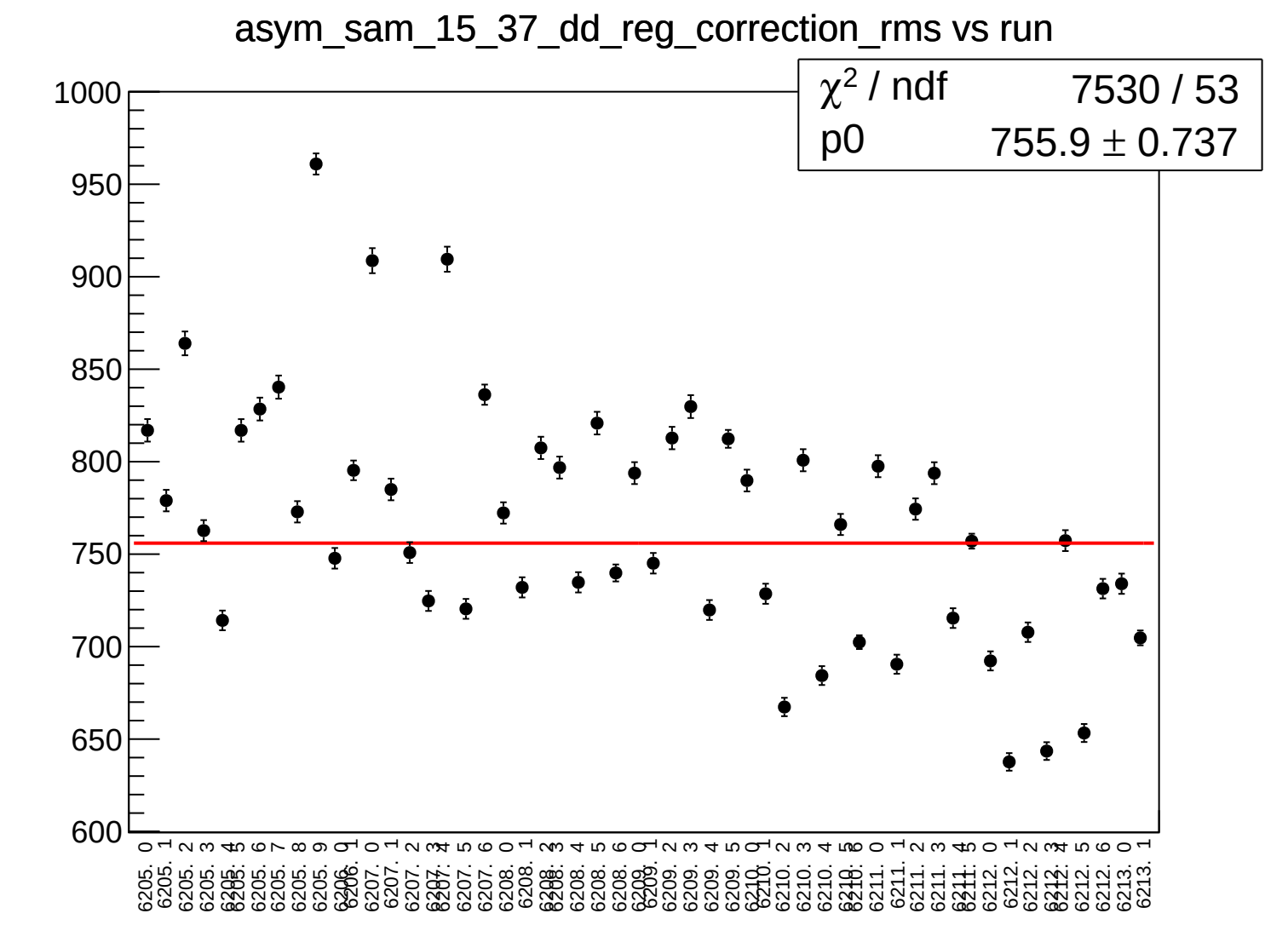

reg_asym_sam_15_37_dd_mean vs run
χ² / ndf 38.46 / 53
p0 121.9 ± 62.74
pull
Entries 54
Mean −6664
Std Dev 0

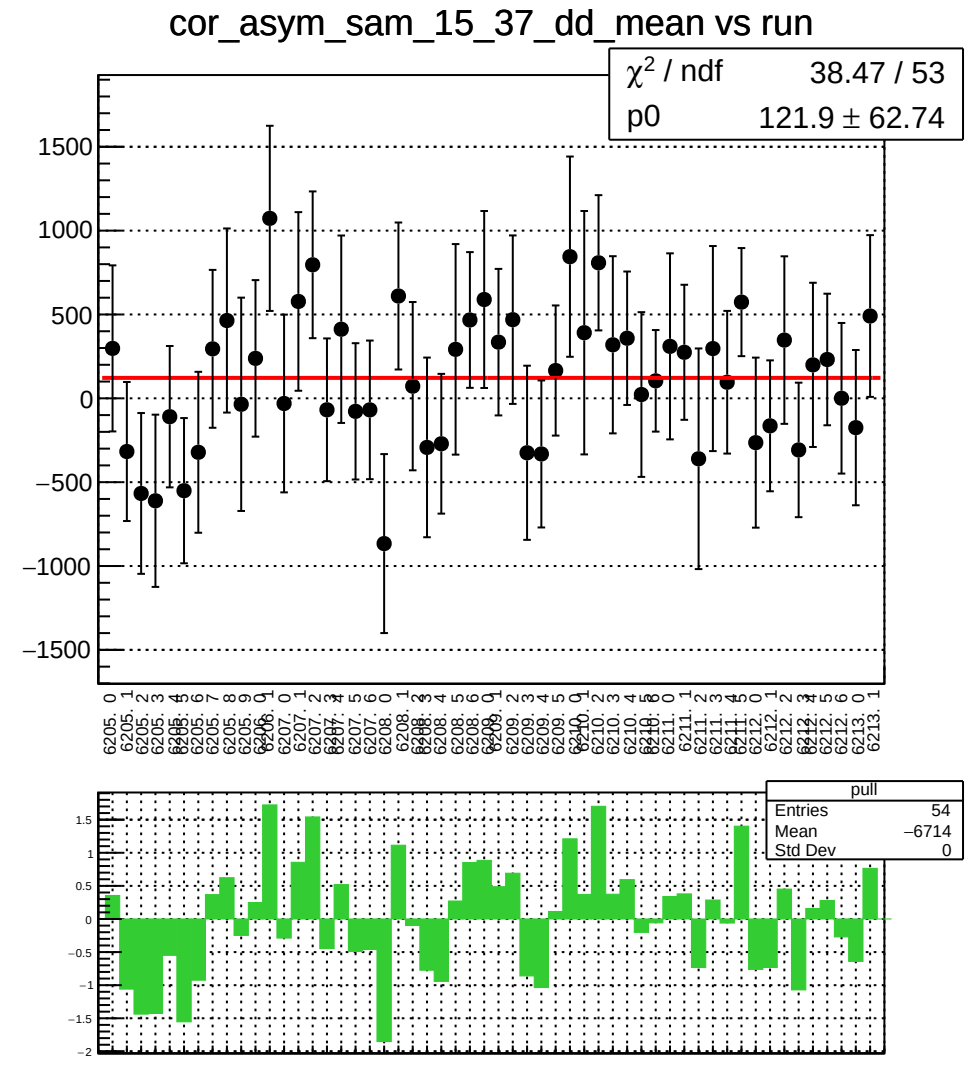

pull1D
Entries 54
Mean −0.000318
Std Dev 0.844

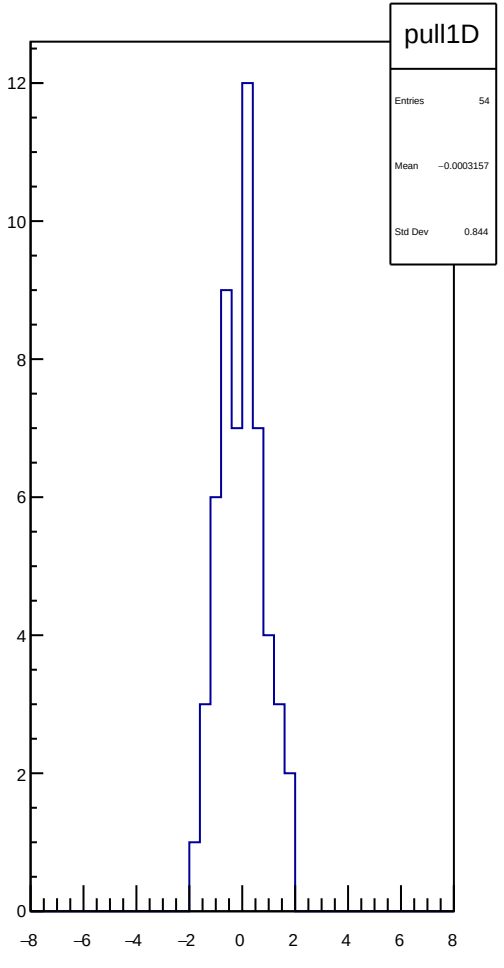

reg_asym_sam_15_37_dd_rms vs run
χ² / ndf 2.425e+04 / 53
p0 45.14 ± 0.04437
80
75
70
65
60
55
50
45
40
35
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

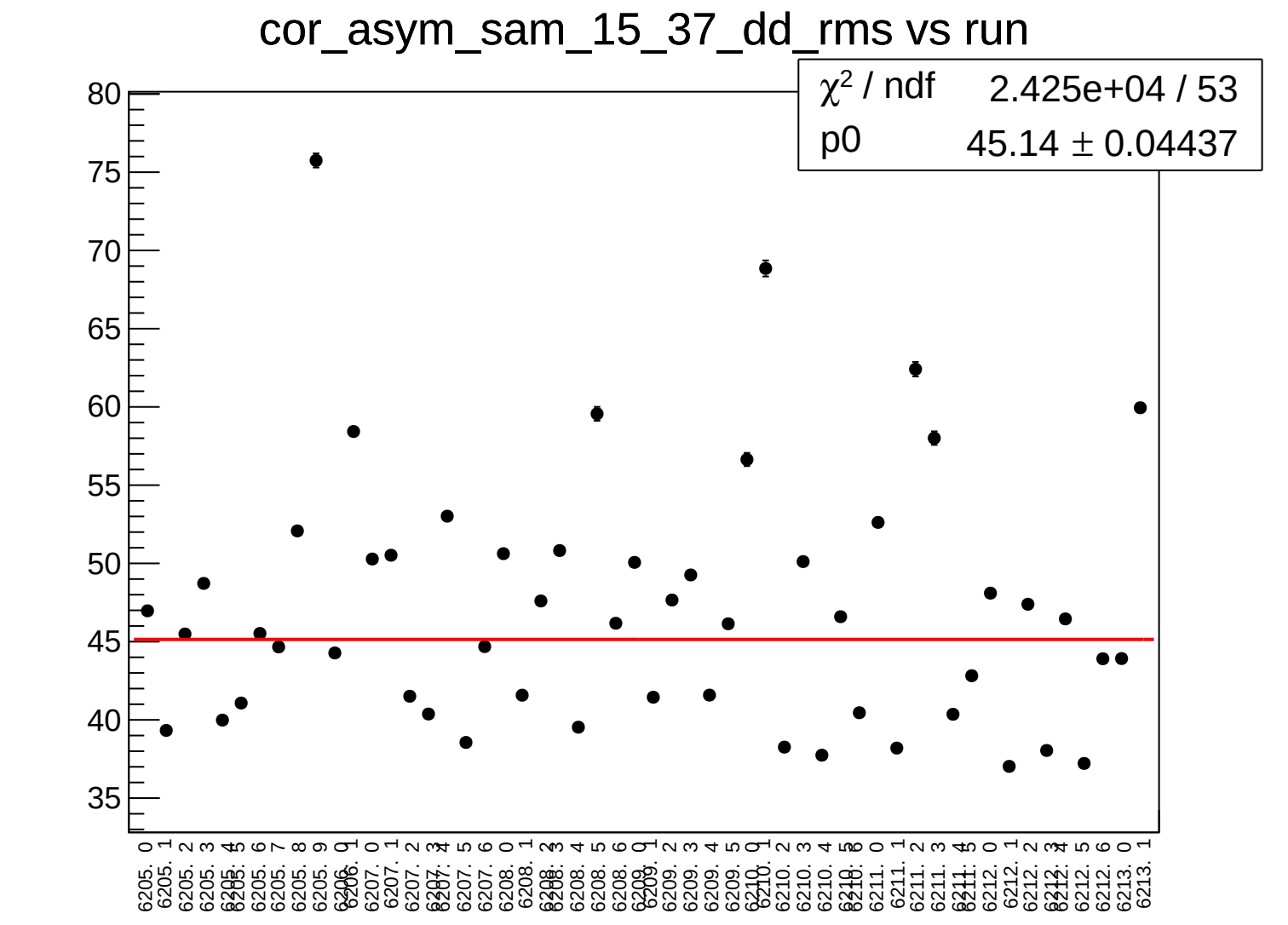

asym_sam_15_37_dd_reg_correction_mean vs run
χ² / ndf 41.67 / 53
p0 333.3 ± 1042
20000
10000
0
−10000
−20000
pull
Entries 54
Mean 4.328
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

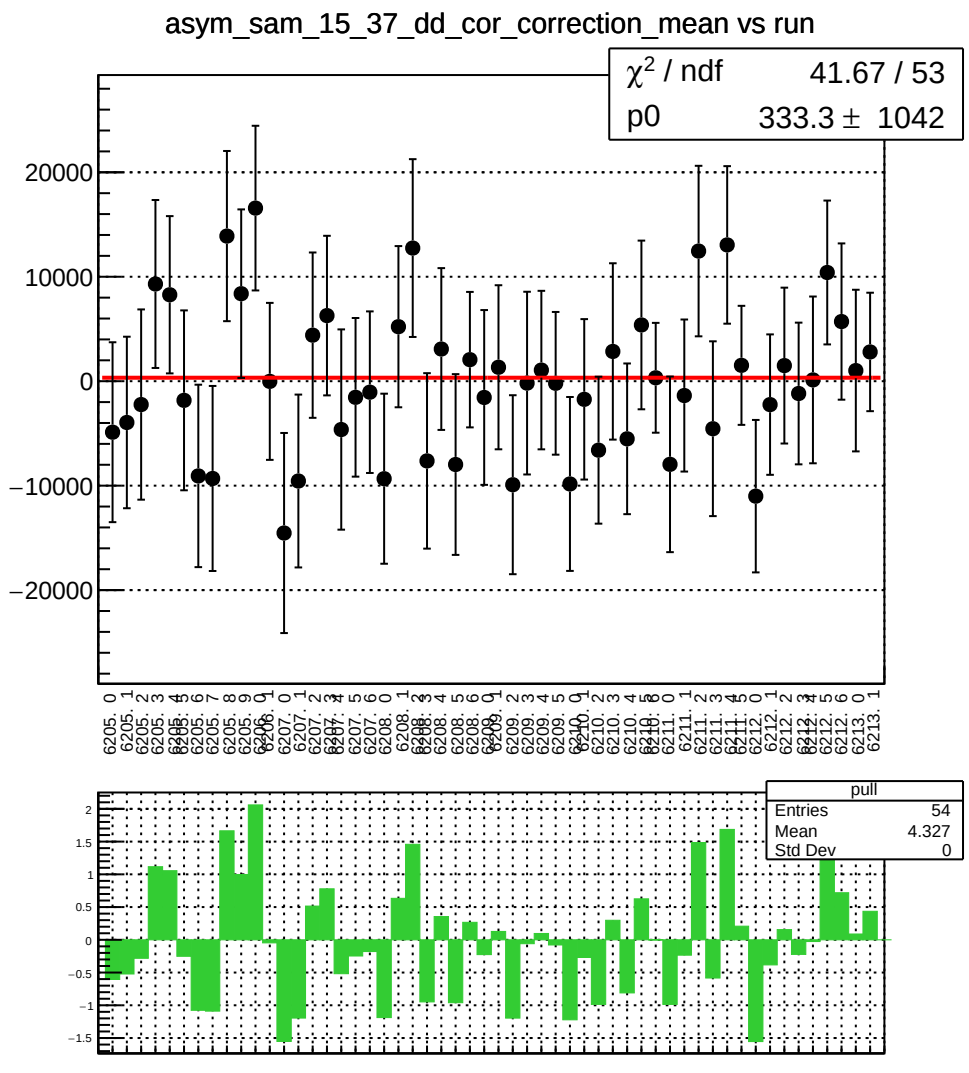

pull1D
Entries 54
Mean −0.02239
Std Dev 0.8781
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

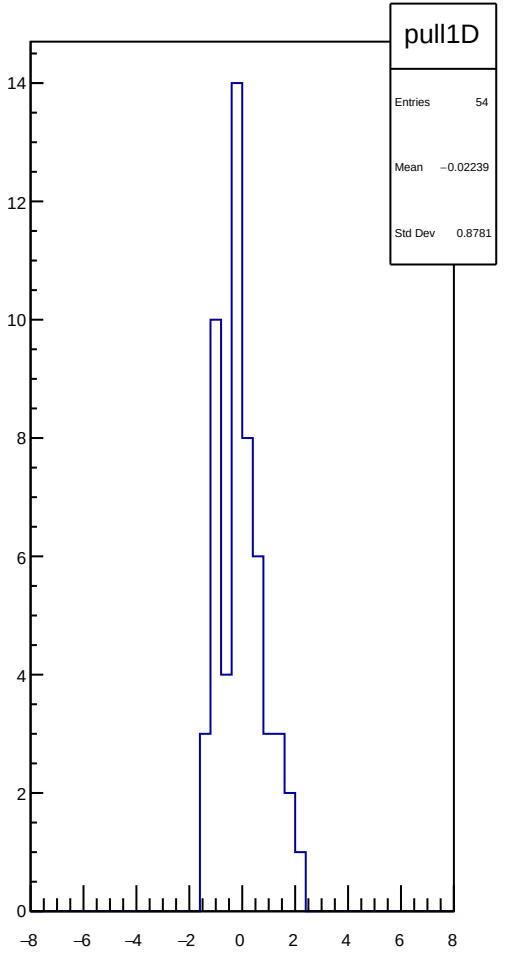

asym_sam_15_37_dd_reg_correction_rms vs run
χ² / ndf 7530 / 53
p0 755.9 ± 0.737
1000
950
900
850
800
750
700
650
600

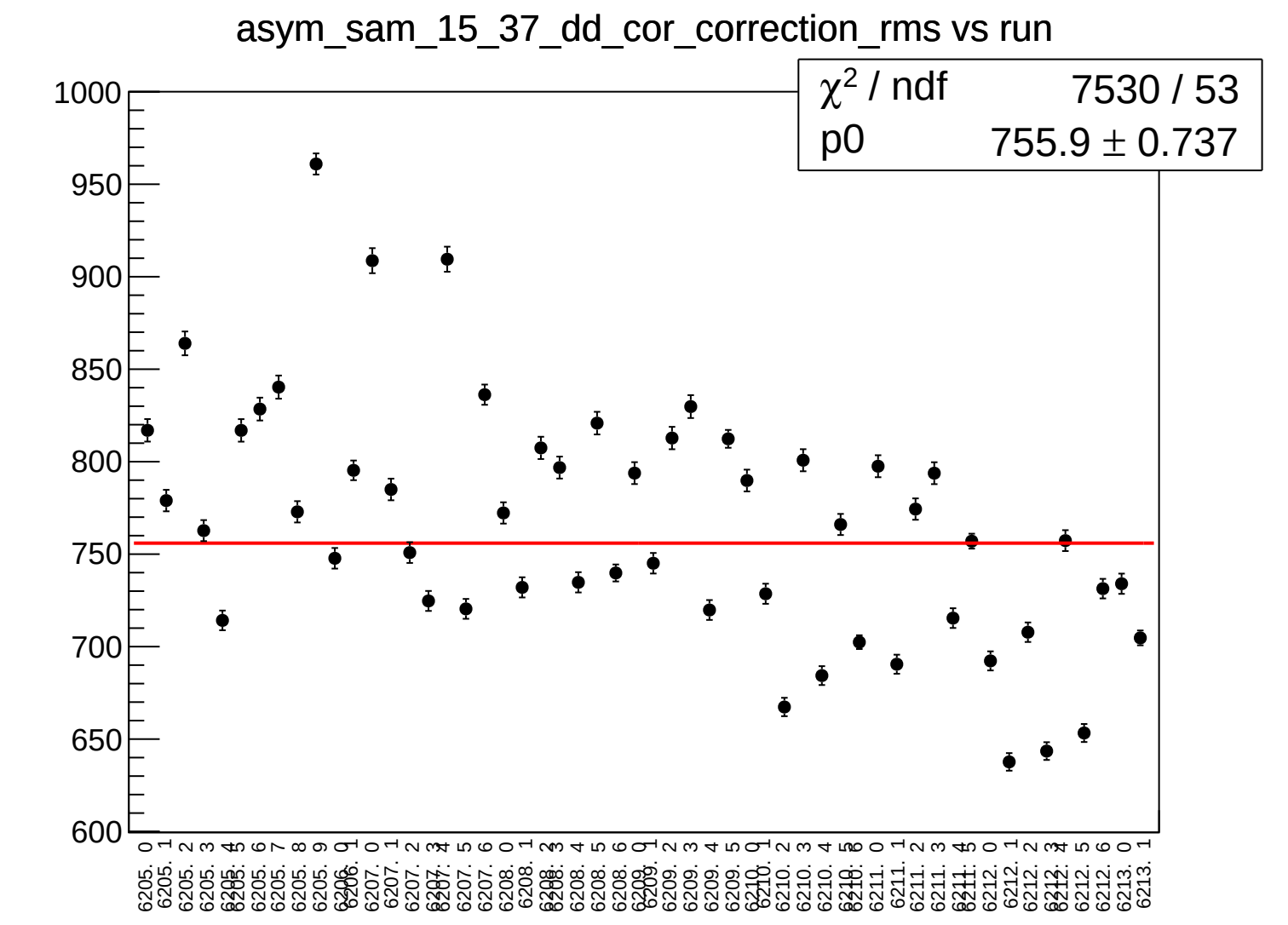

cor_asym_sam_15_37_dd_mean vs run
χ² / ndf 38.47 / 53
p0 121.9 ± 62.74
pull
Entries 54
Mean −6714
Std Dev 0

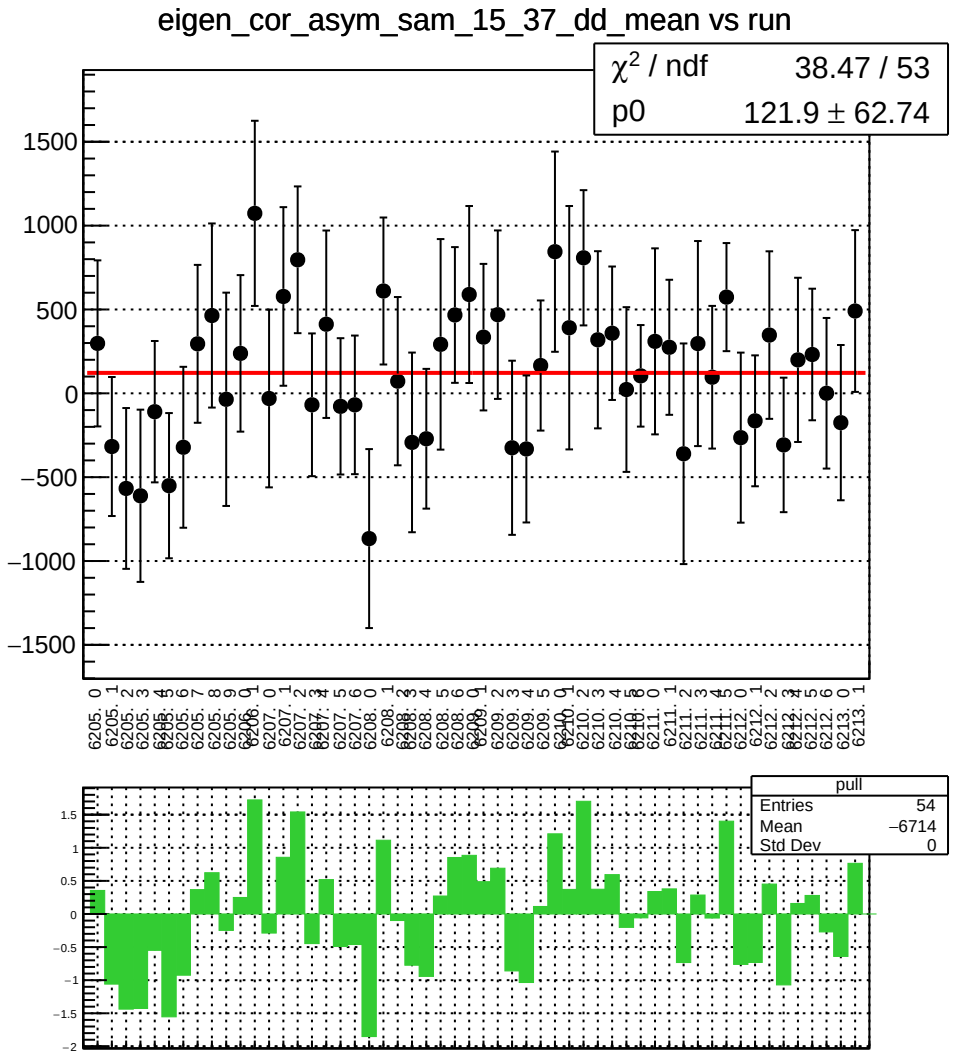

pull1D
Entries 54
Mean −0.0003157
Std Dev 0.844

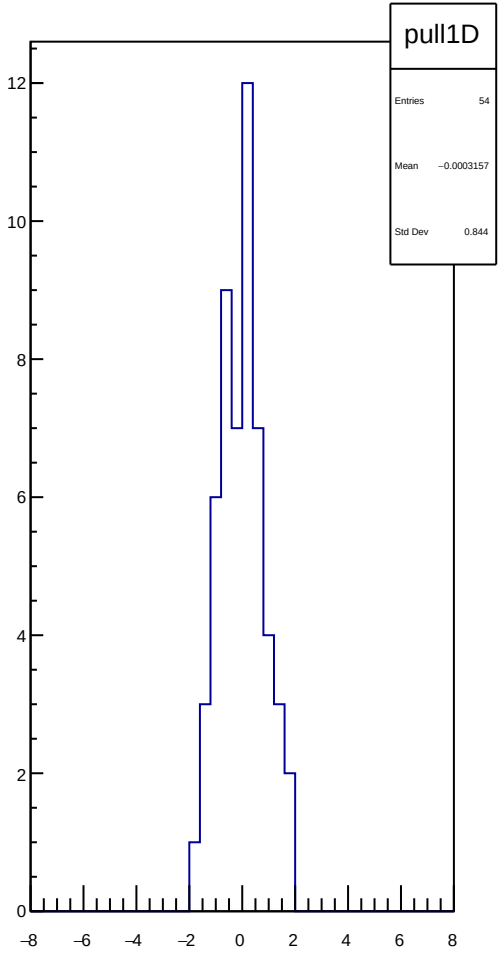

cor_asym_sam_15_37_dd_rms vs run
χ² / ndf 2.425e+04 / 53
p0 45.14 ± 0.04437
80
75
70
65
60
55
50
45
40
35
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

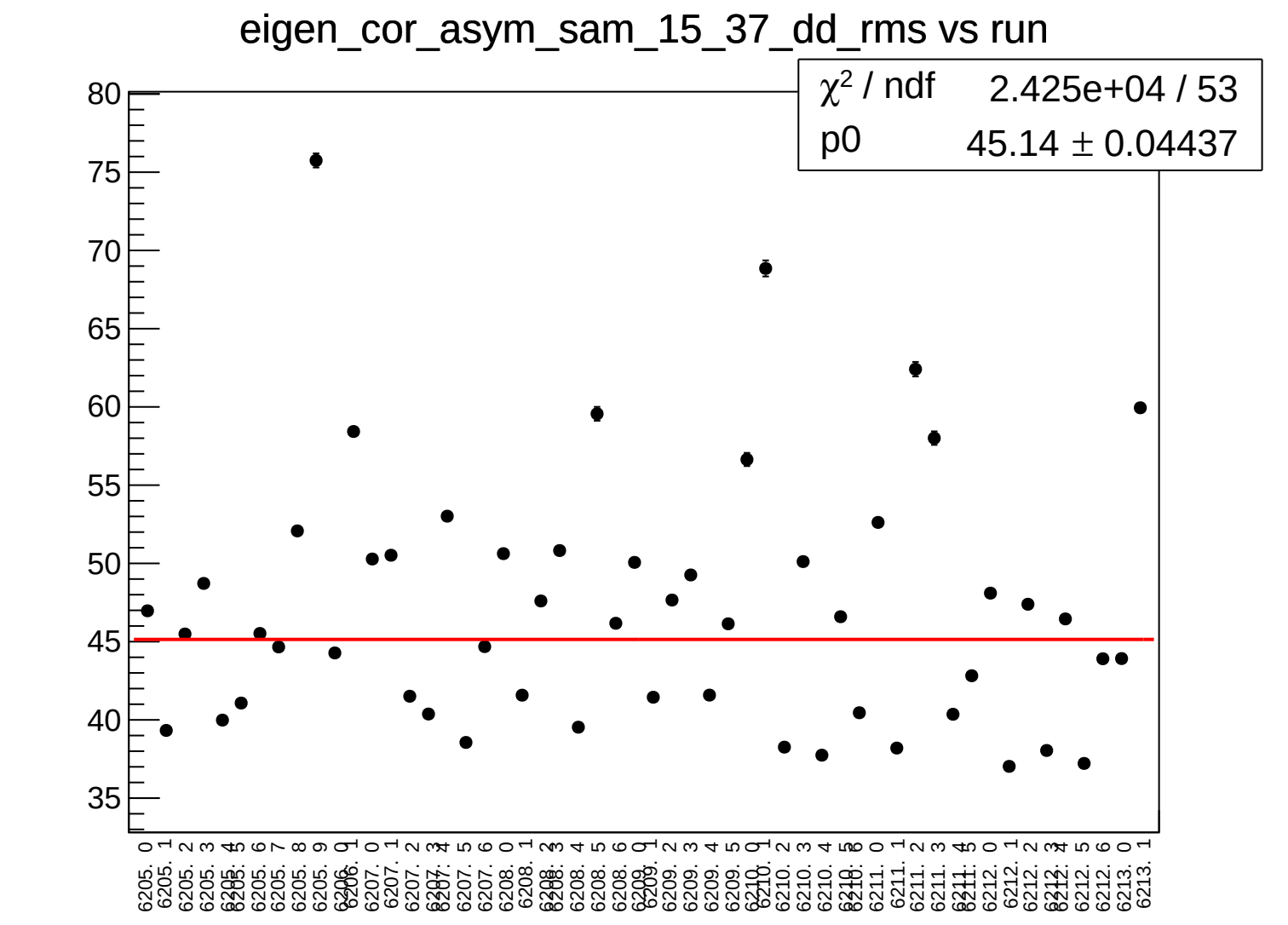

asym_sam_15_37_dd_cor_correction_mean vs run
χ² / ndf 41.67 / 53
p0 333.3 ± 1042
20000
10000
0
−10000
−20000
pull
Entries 54
Mean 4.327
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

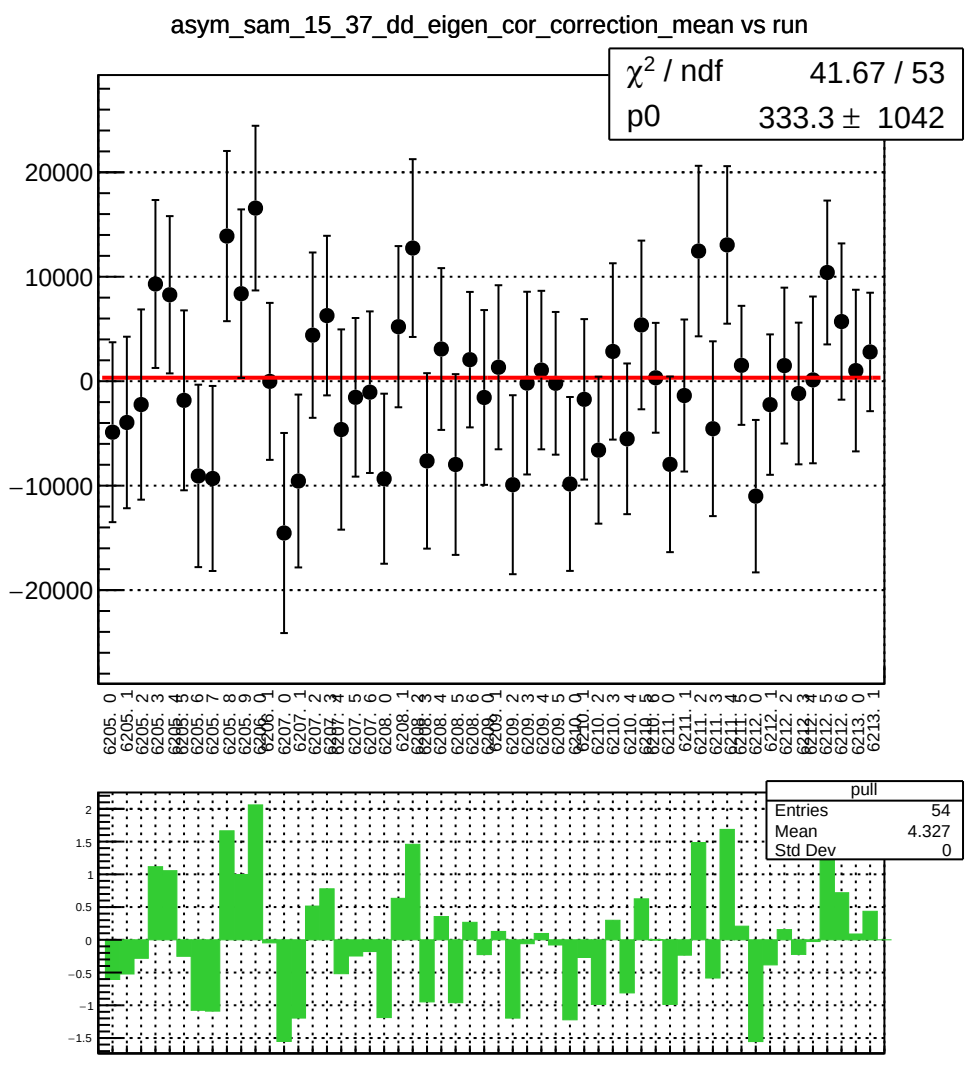

pull1D
Entries 54
Mean −0.02239
Std Dev 0.8781
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

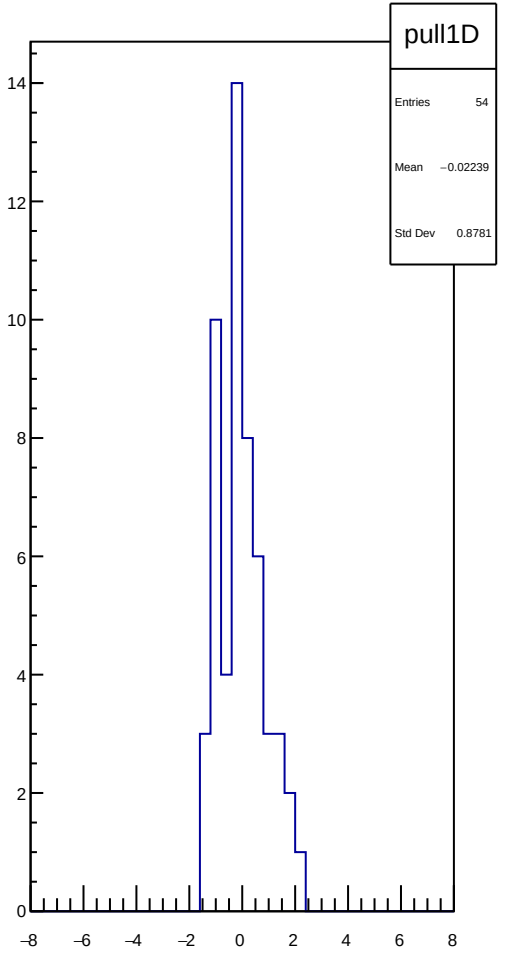

asym_sam_15_37_dd_cor_correction_rms vs run
χ² / ndf 7530 / 53
p0 755.9 ± 0.737
1000
950
900
850
800
750
700
650
600
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

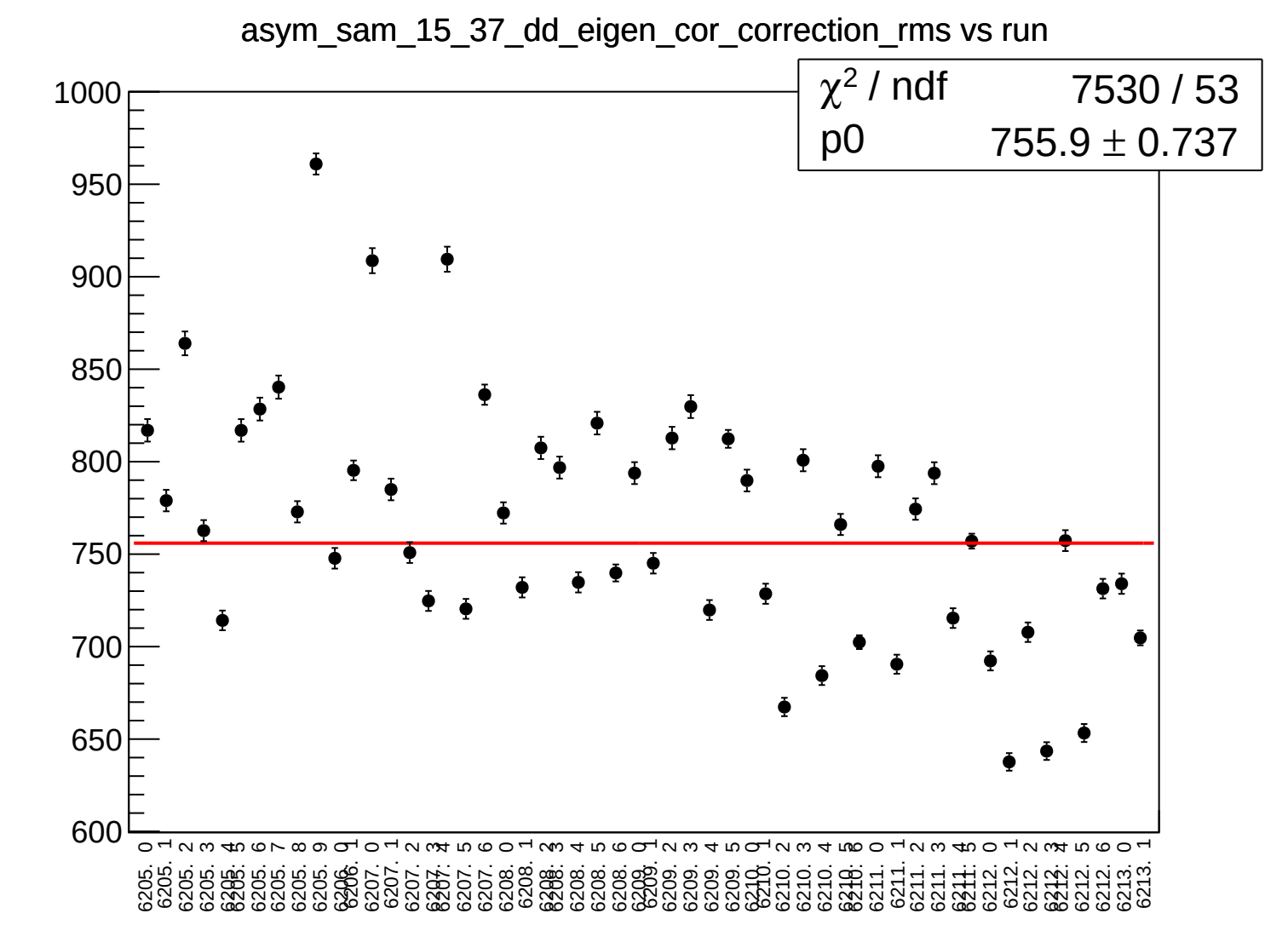

eigen_cor_asym_sam_15_37_dd_mean vs run
χ² / ndf 38.47 / 53
p0 121.9 ± 62.74
pull
Entries 54
Mean −6714
Std Dev 0

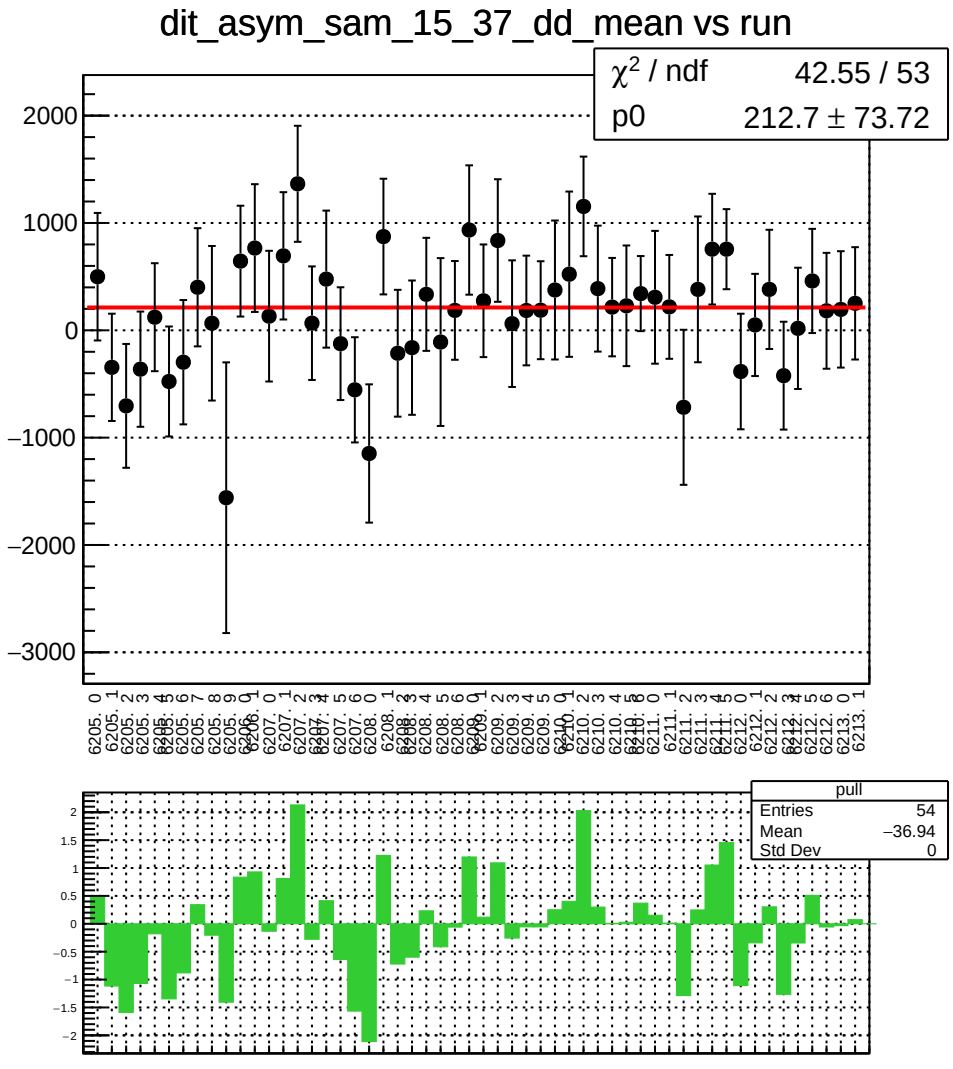

pull1D
Entries 54
Mean −0.0003157
Std Dev 0.844

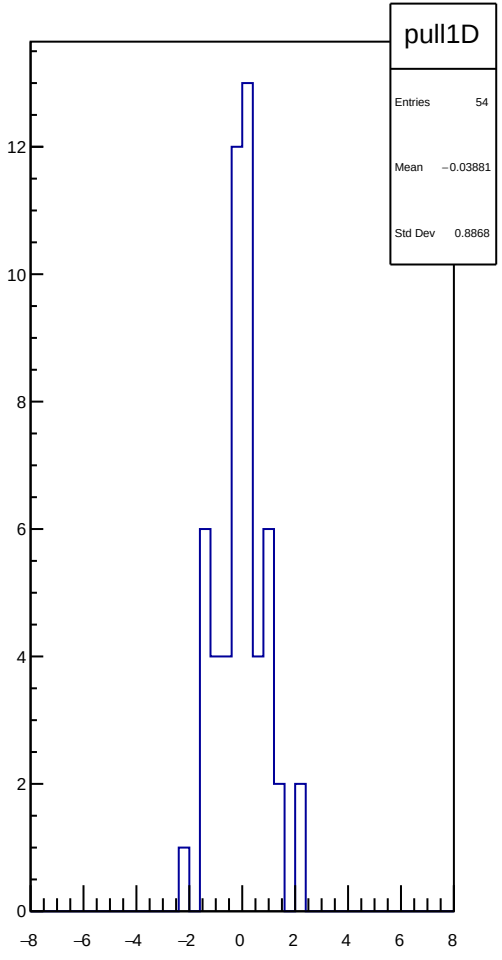

eigen_cor_asym_sam_15_37_dd_rms vs run
χ² / ndf 2.425e+04 / 53
p0 45.14 ± 0.04437
80
75
70
65
60
55
50
45
40
35
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

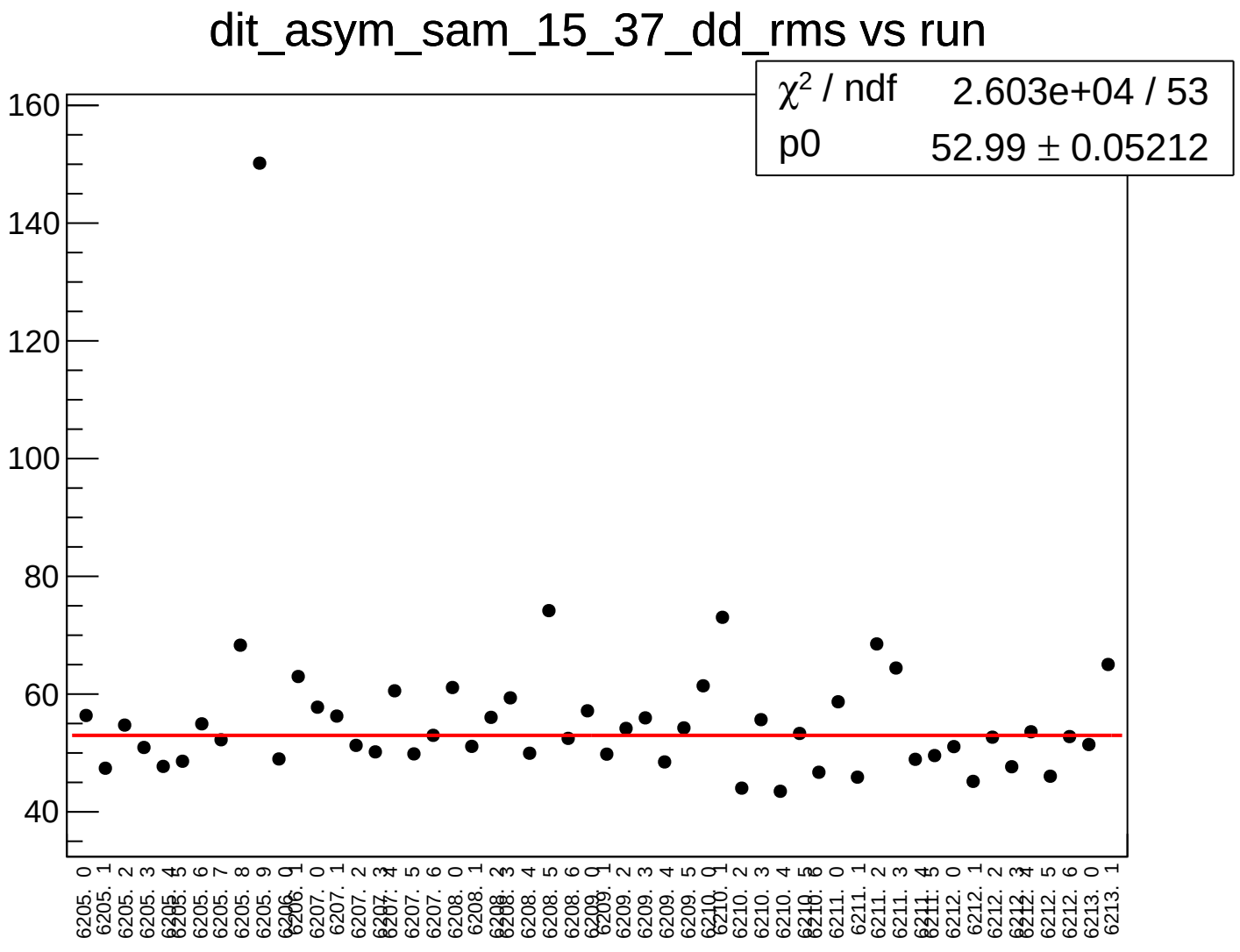

asym_sam_15_37_dd_eigen_cor_correction_mean vs run
χ² / ndf 41.67 / 53
p0 333.3 ± 1042
20000
10000
0
−10000
−20000
pull
Entries 54
Mean 4.327
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

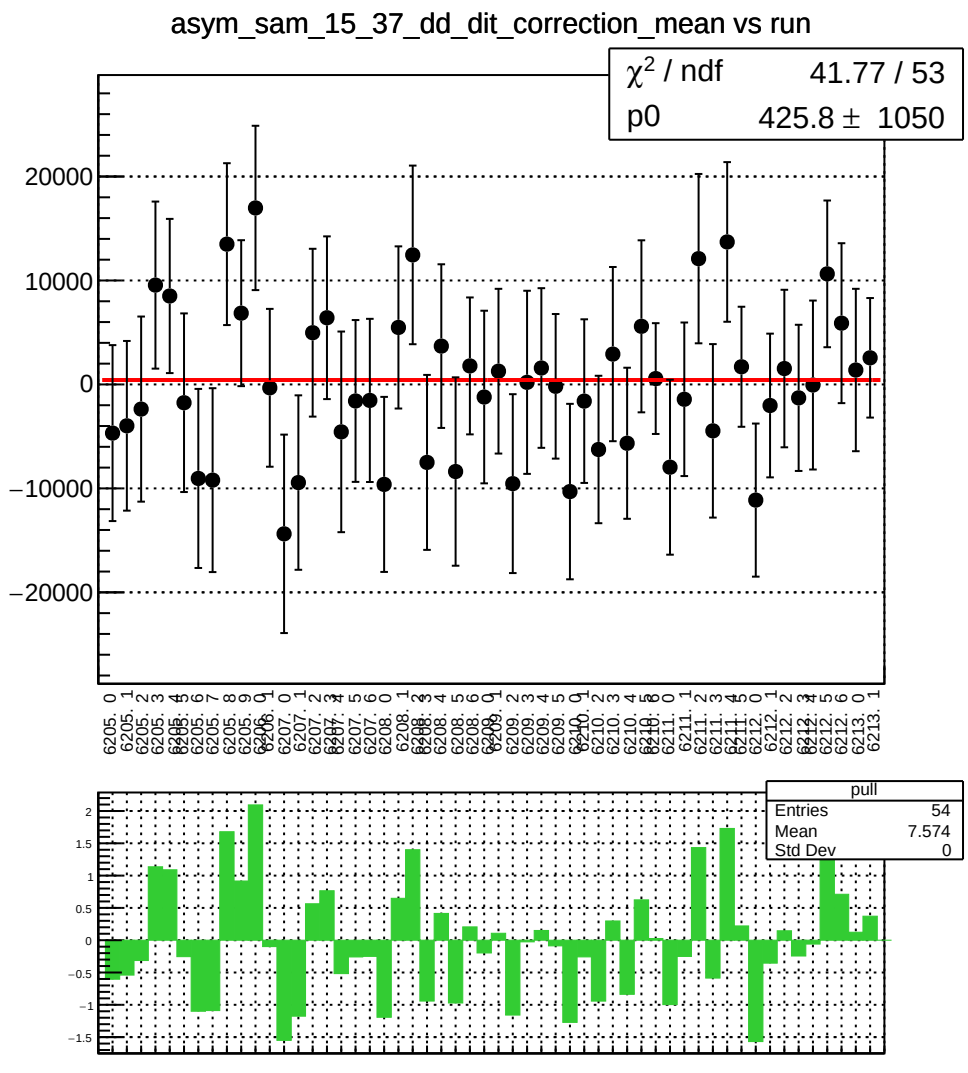

pull1D
Entries 54
Mean −0.02239
Std Dev 0.8781
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

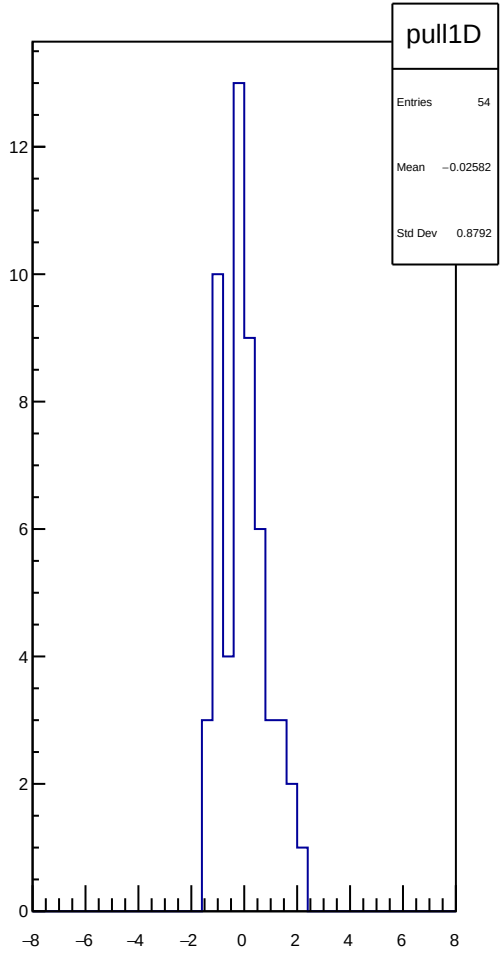

asym_sam_15_37_dd_eigen_cor_correction_rms vs run
χ² / ndf 7530 / 53
p0 755.9 ± 0.737
1000
950
900
850
800
750
700
650
600

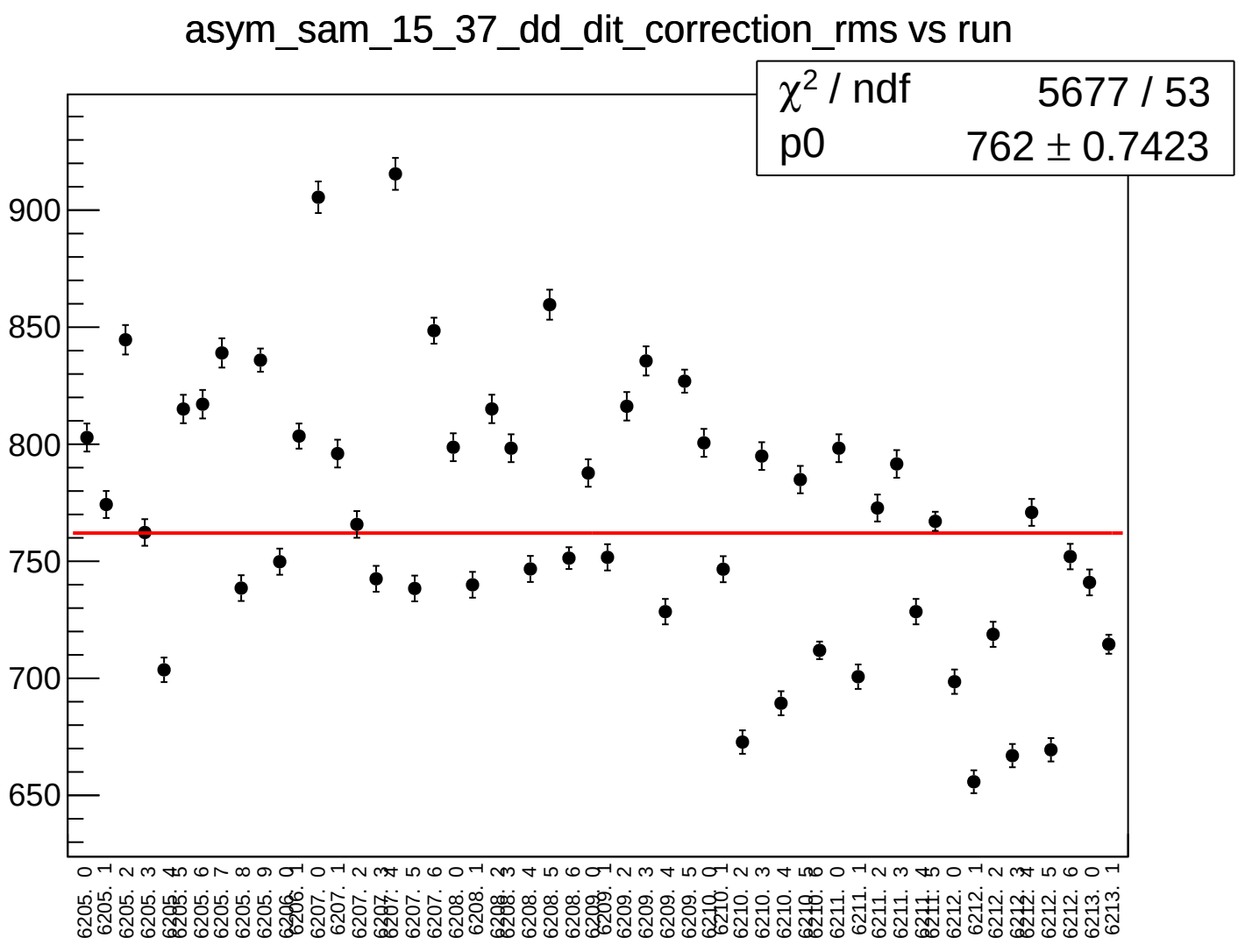

dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 42.55 / 53
p0 212.7 ± 73.72
pull
Entries 54
Mean −36.94
Std Dev 0

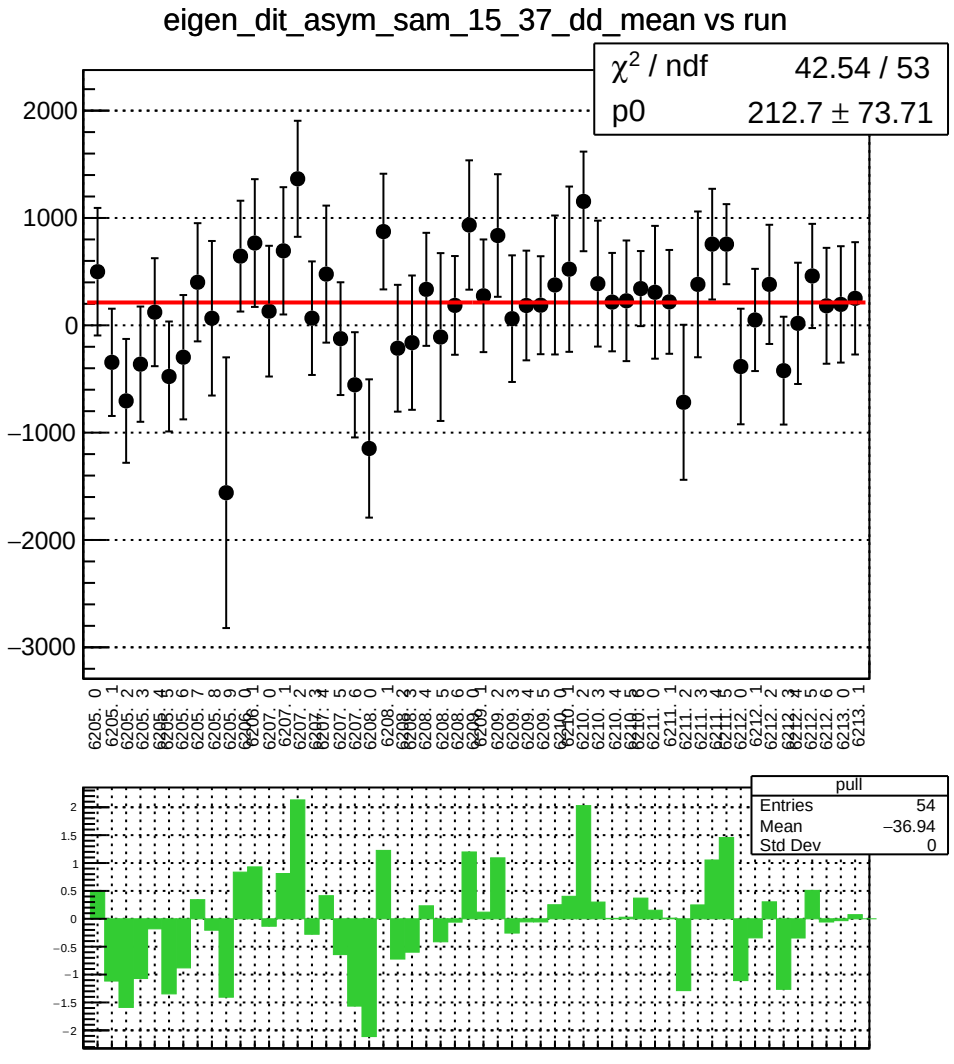

pull1D
Entries 54
Mean −0.03881
Std Dev 0.8868

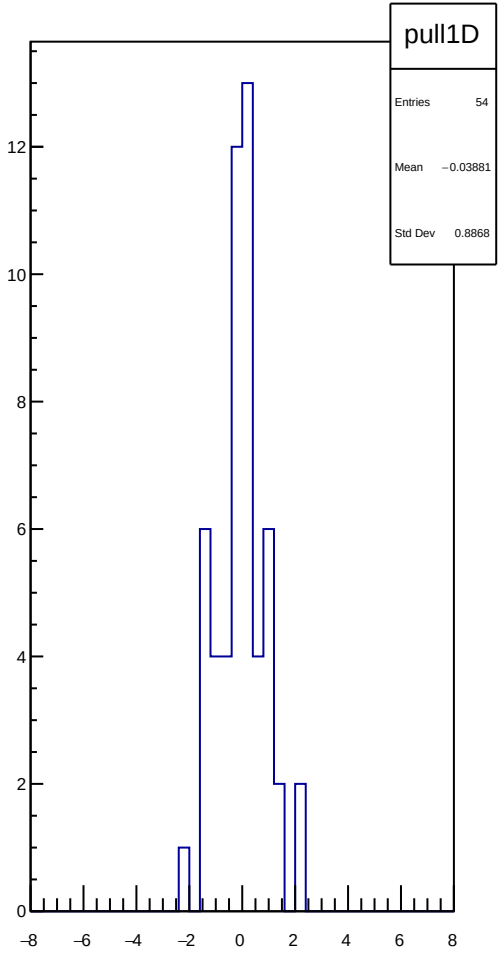

dit_asym_sam_15_37_dd_rms vs run
χ² / ndf 2.603e+04 / 53
p0 52.99 ± 0.05212
160
140
120
100
80
60
40
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

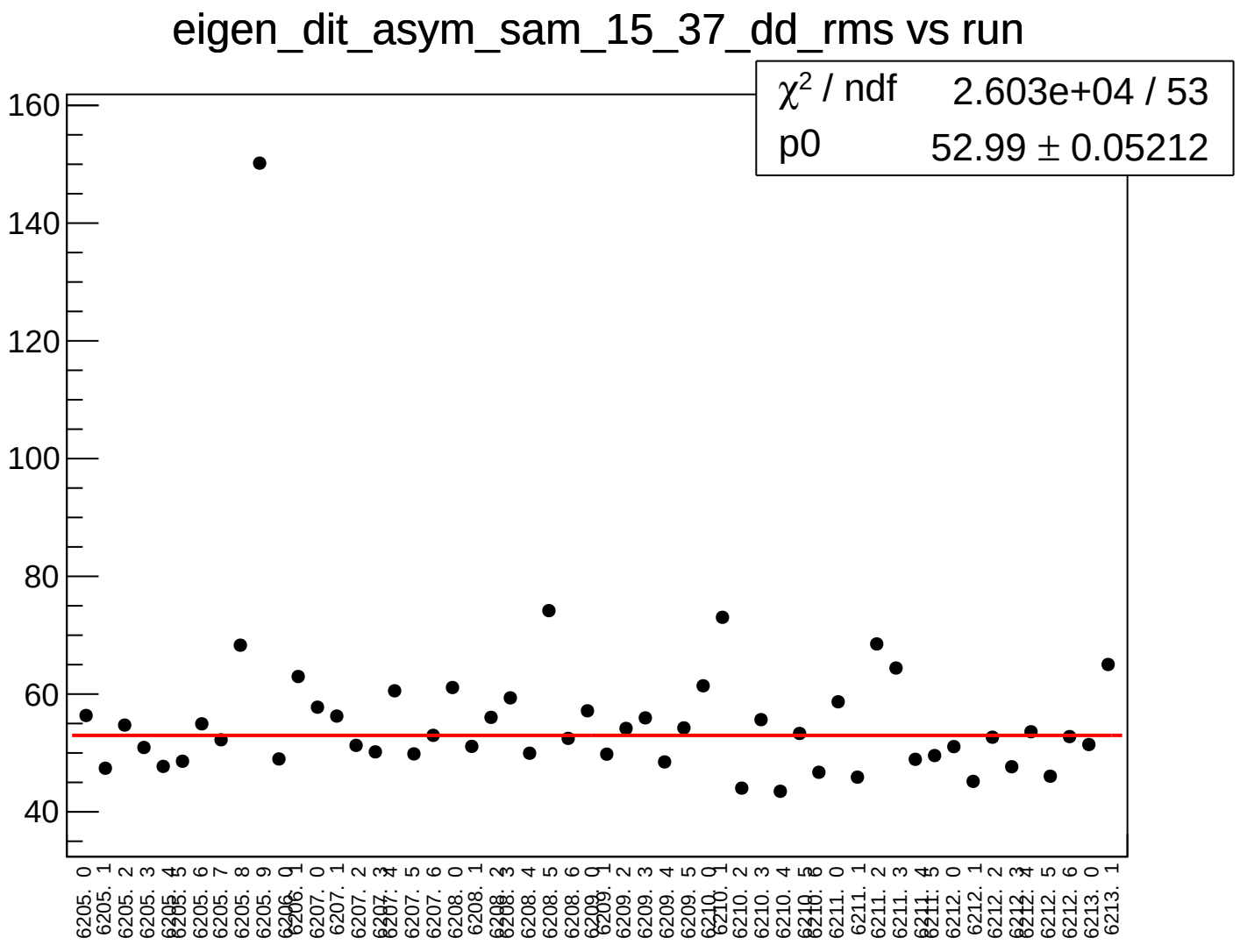

asym_sam_15_37_dd_dit_correction_mean vs run
χ² / ndf 41.77 / 53
p0 425.8 ± 1050
20000
10000
0
−10000
−20000
pull
Entries 54
Mean 7.574
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

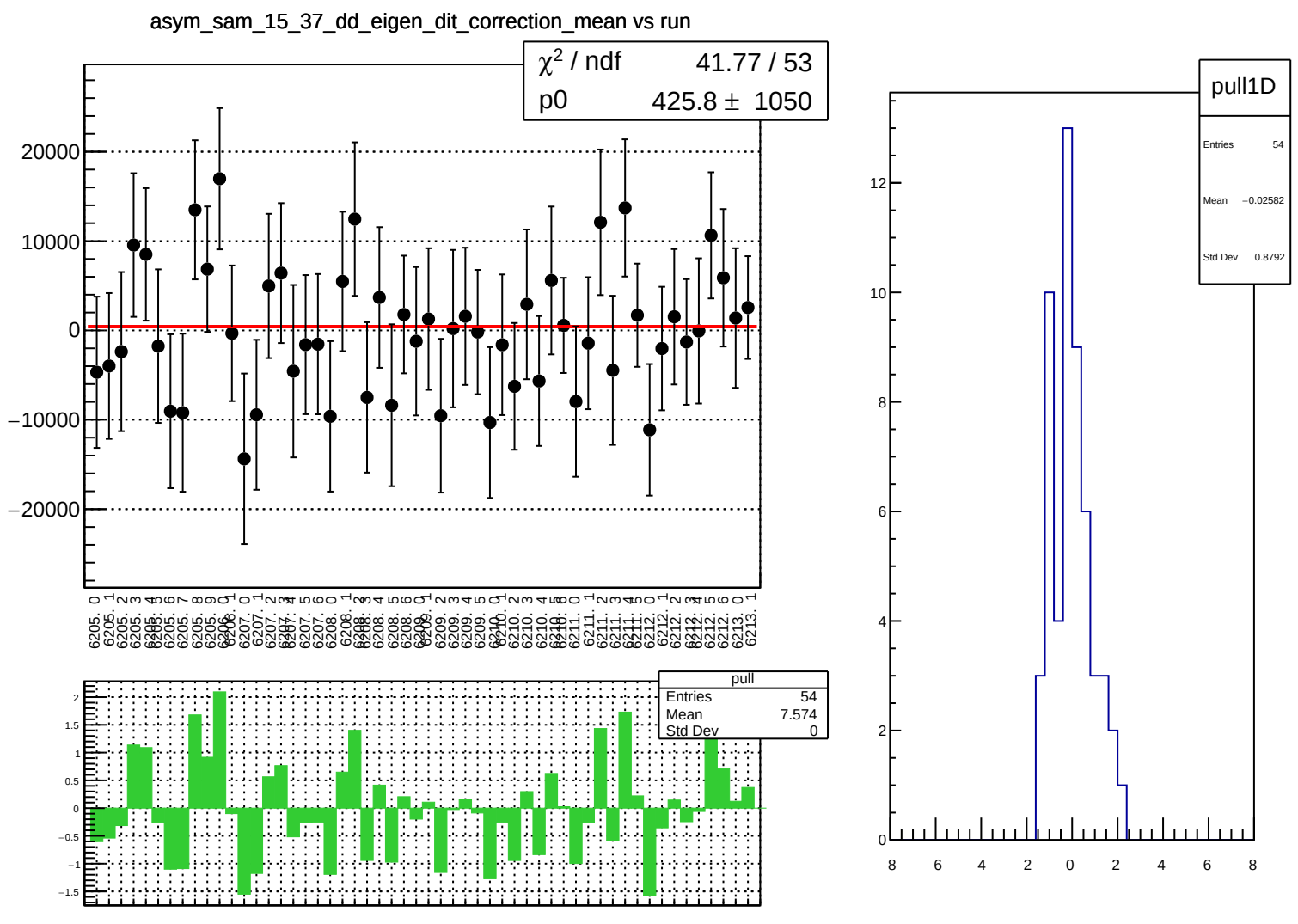

pull1D
Entries 54
Mean −0.02582
Std Dev 0.8792
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

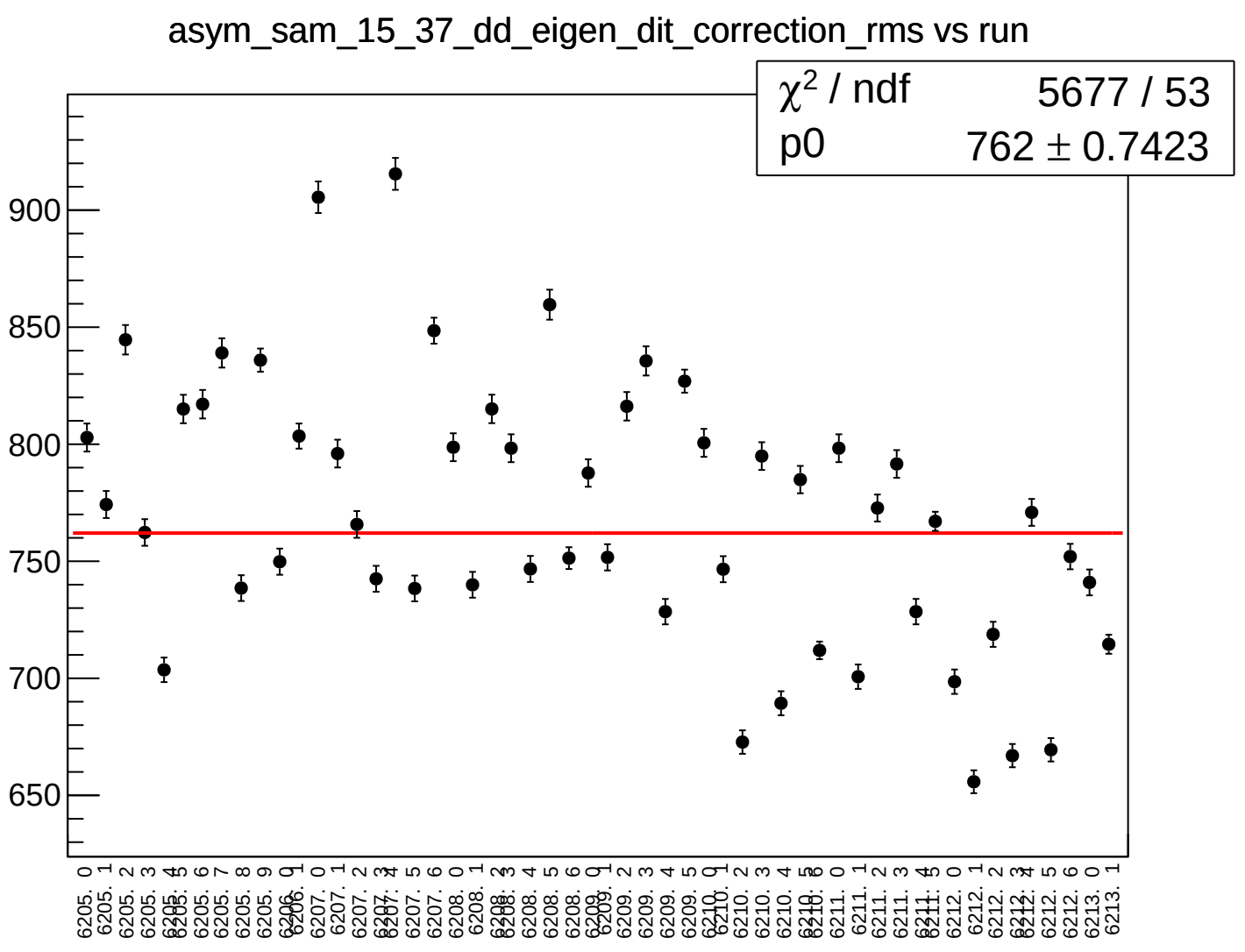

asym_sam_15_37_dd_dit_correction_rms vs run
χ² / ndf 5677 / 53
p0 762 ± 0.7423
900
850
800
750
700
650
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

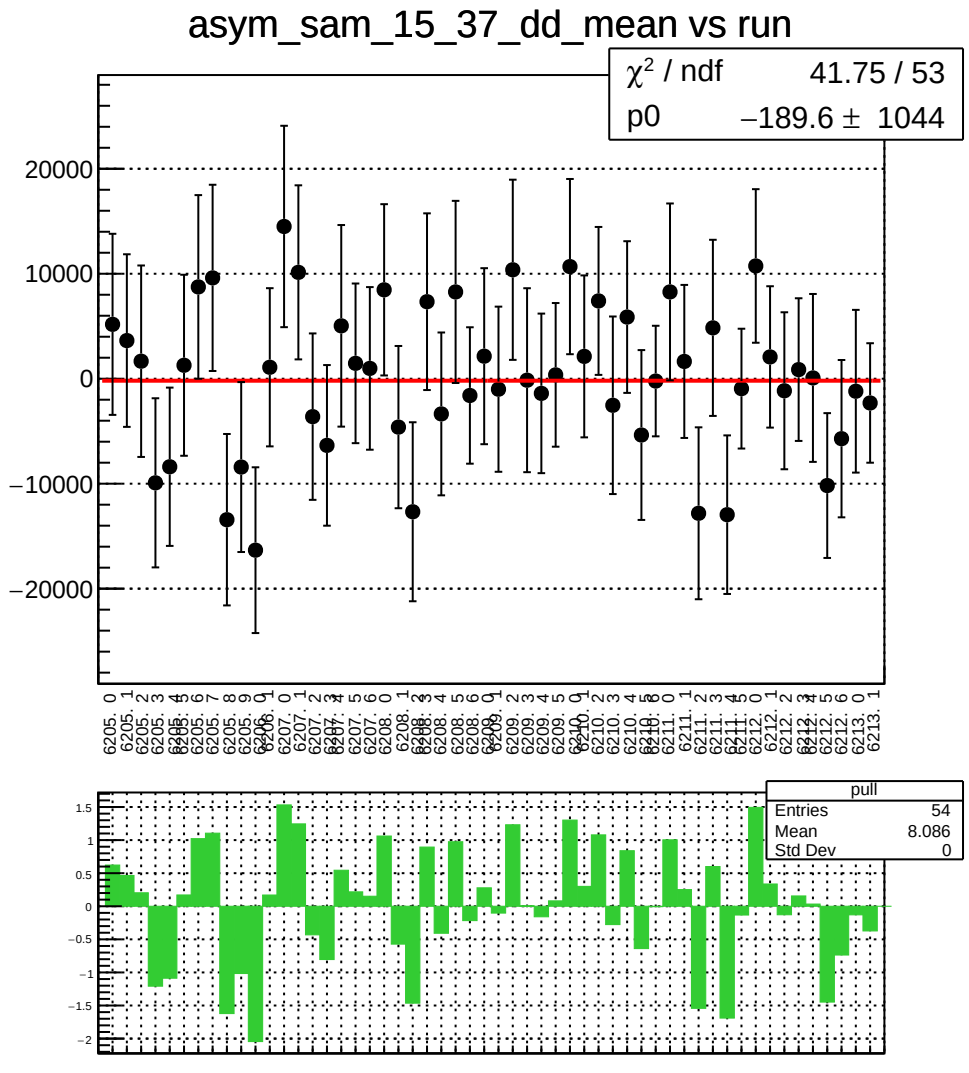

eigen_dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 42.54 / 53
p0 212.7 ± 73.71
pull
Entries 54
Mean −36.94
Std Dev 0

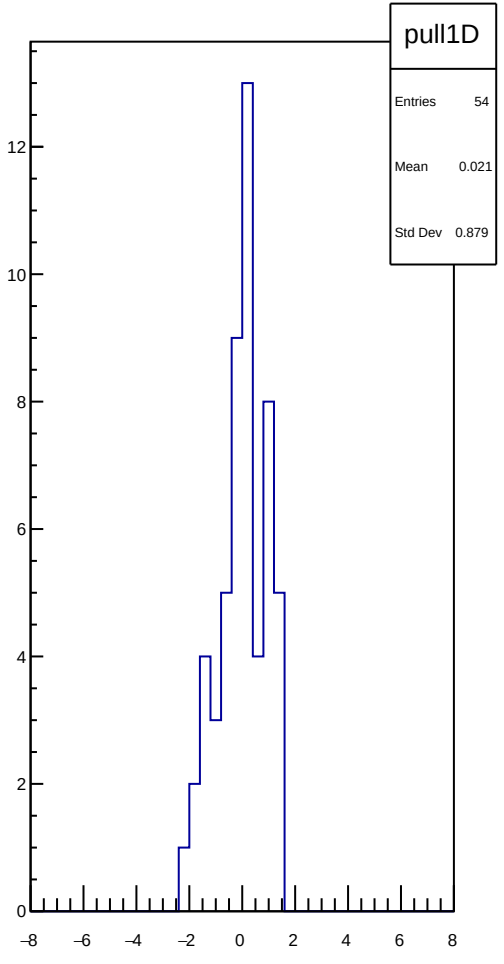

pull1D
Entries 54
Mean −0.03881
Std Dev 0.8868

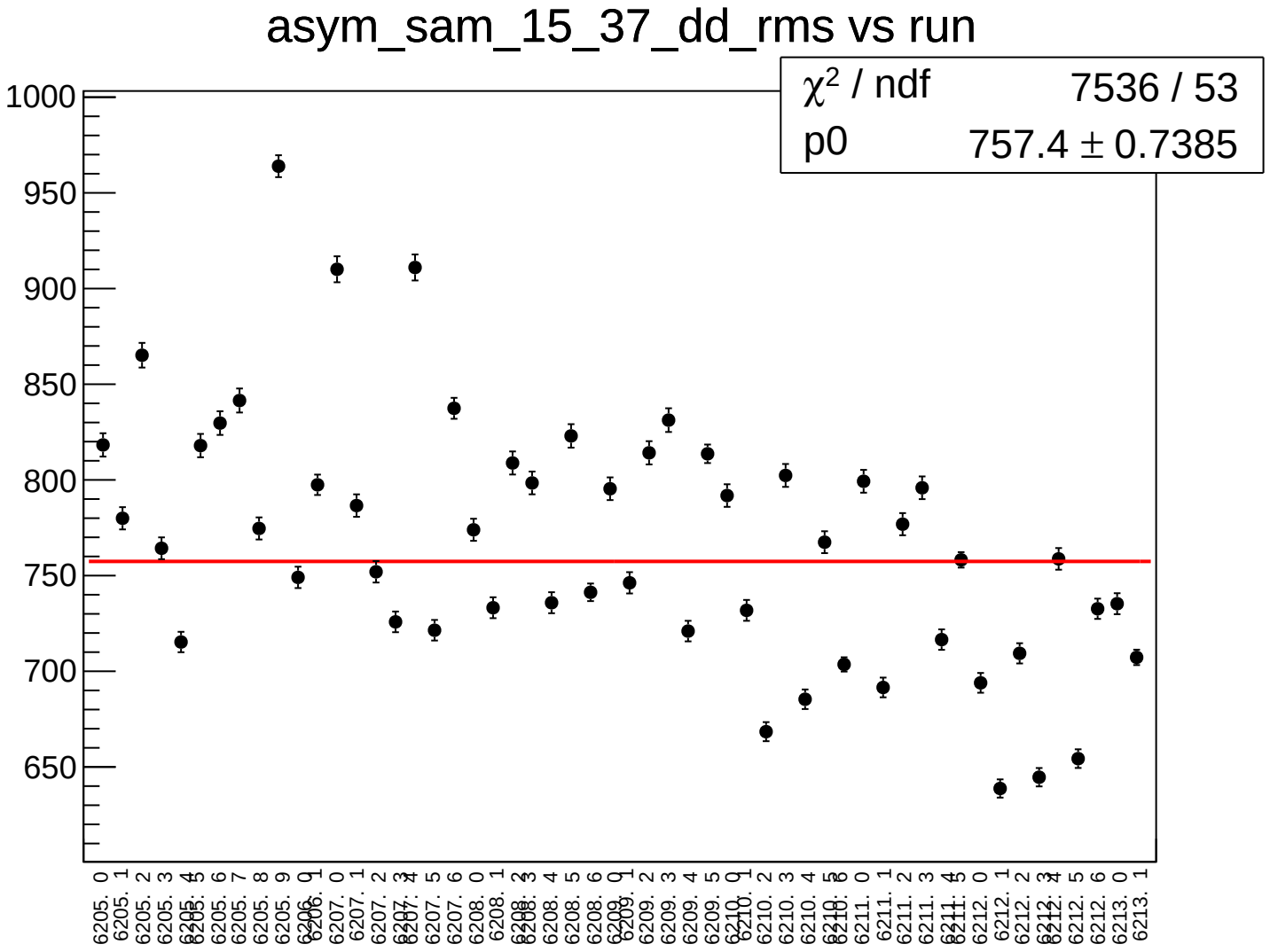

eigen_dit_asym_sam_15_37_dd_rms vs run
χ² / ndf 2.603e+04 / 53
p0 52.99 ± 0.05212
160
140
120
100
80
60
40
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 5
6212. 6
6213. 0
6213. 1

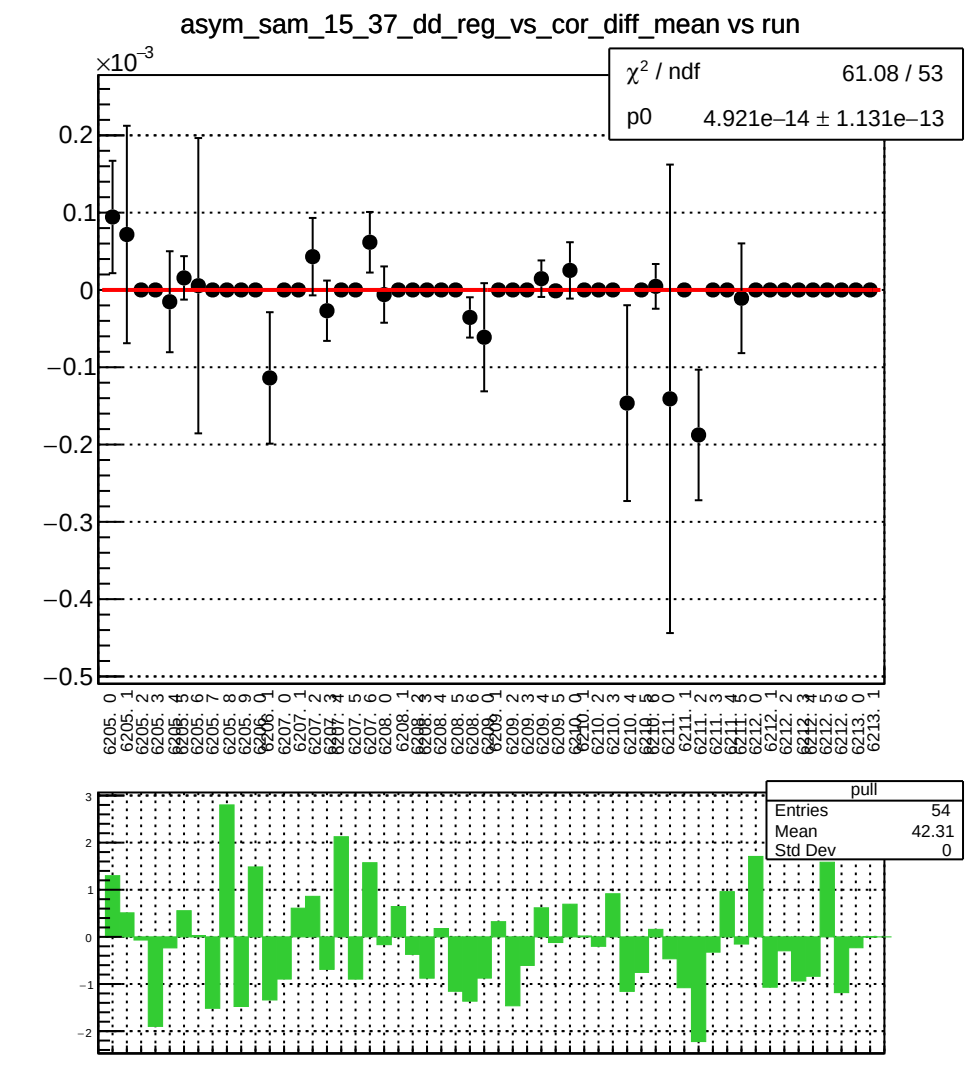

asym_sam_15_37_dd_eigen_dit_correction_mean vs run
χ² / ndf 41.77 / 53
p0 425.8 ± 1050
20000
10000
0
−10000
−20000
pull
Entries 54
Mean 7.574
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 54
Mean −0.02582
Std Dev 0.8792
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

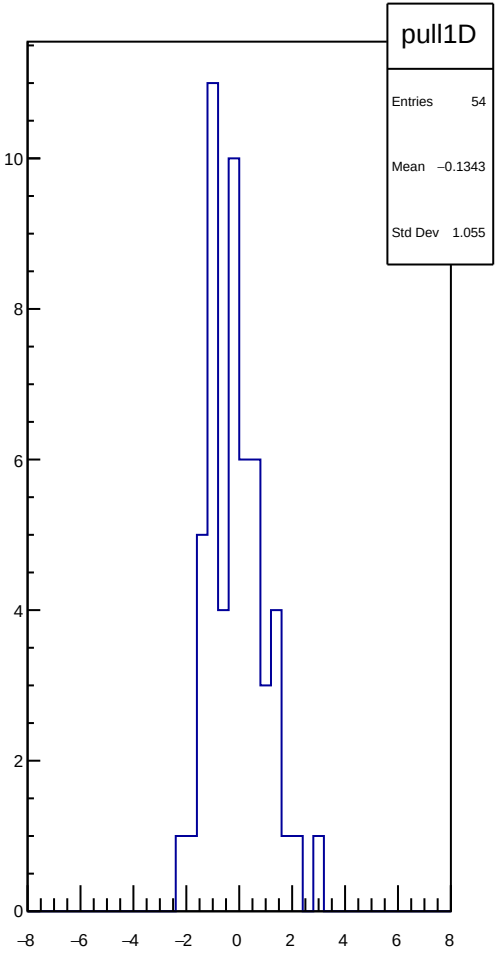

asym_sam_15_37_dd_eigen_dit_correction_rms vs run
χ² / ndf 5677 / 53
p0 762 ± 0.7423
900
850
800
750
700
650
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

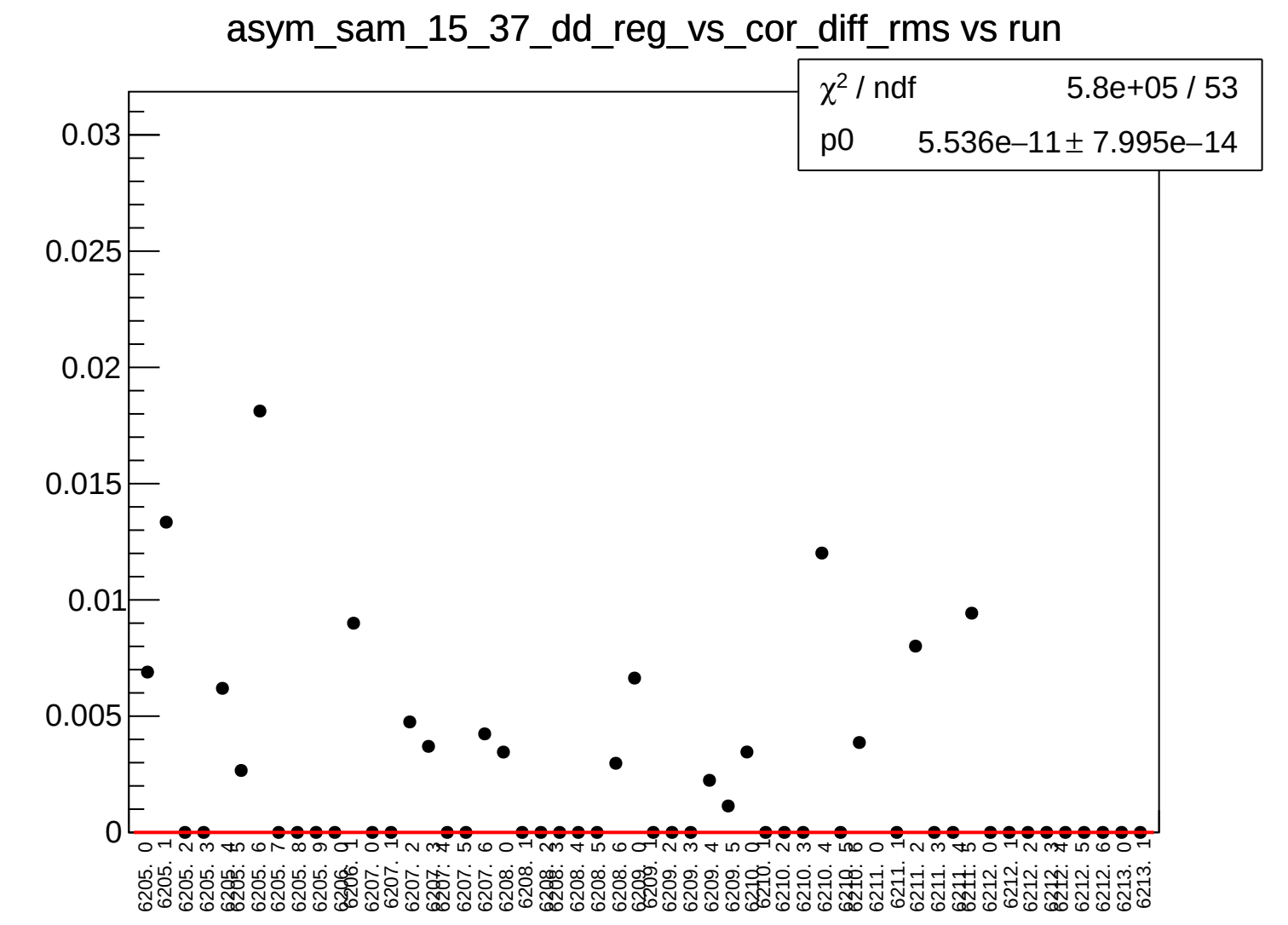

asym_sam_15_37_dd_mean vs run
χ² / ndf 41.75 / 53
p0 −189.6 ± 1044
20000
10000
0
−10000
−20000
pull
Entries 54
Mean 8.086
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

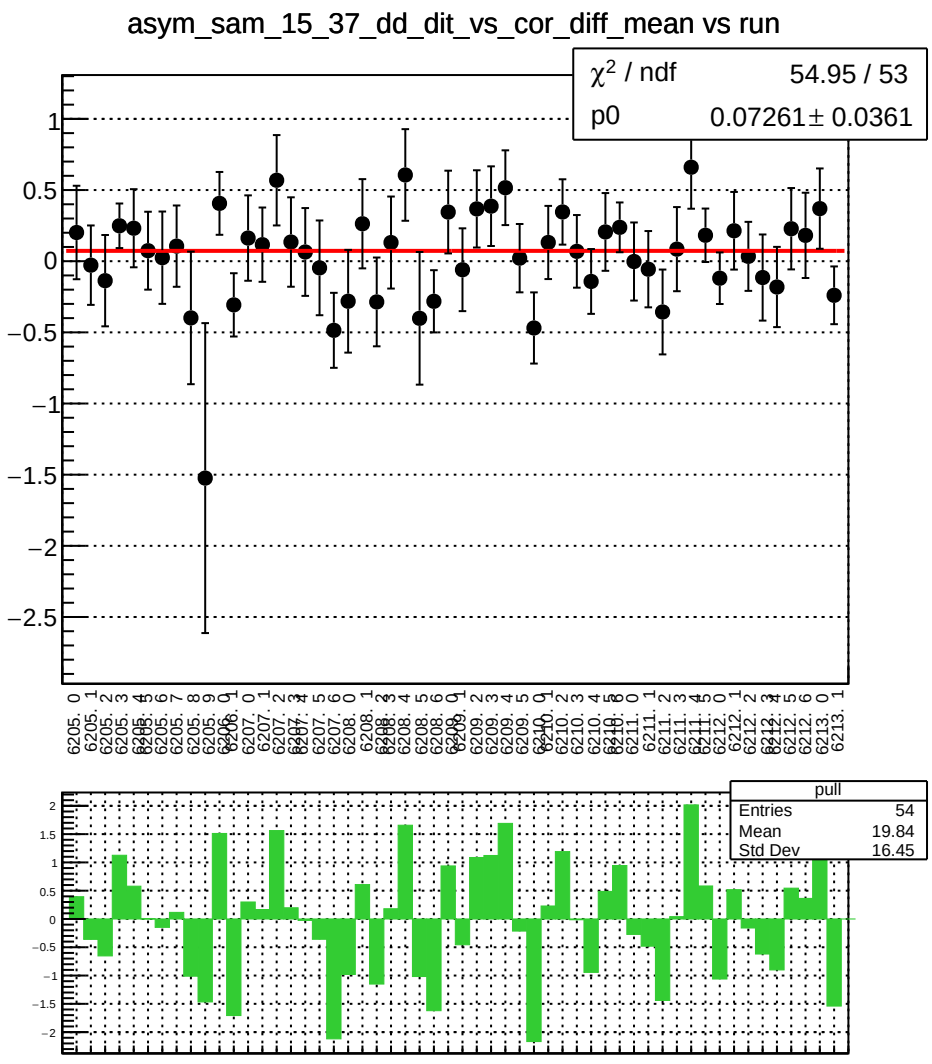

pull1D
Entries 54
Mean 0.021
Std Dev 0.879
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

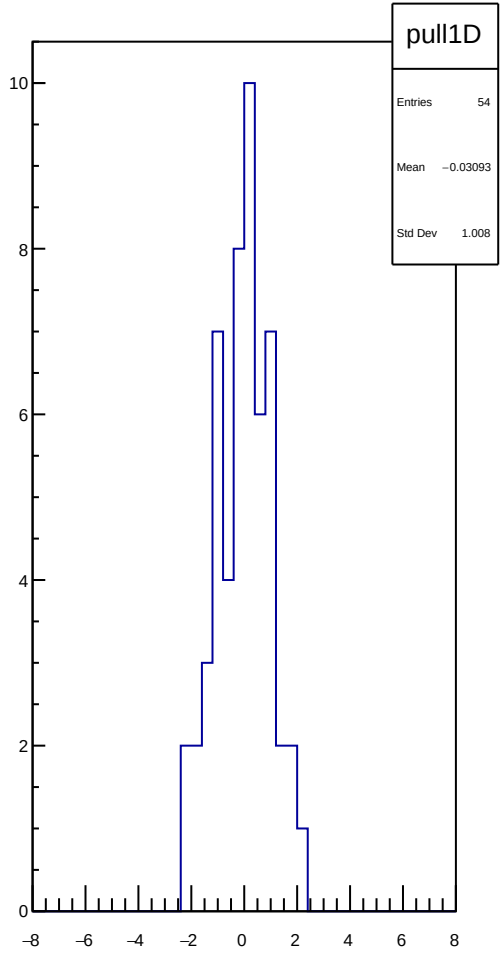

asym_sam_15_37_dd_rms vs run
χ² / ndf 7536 / 53
p0 757.4 ± 0.7385
1000
950
900
850
800
750
700
650

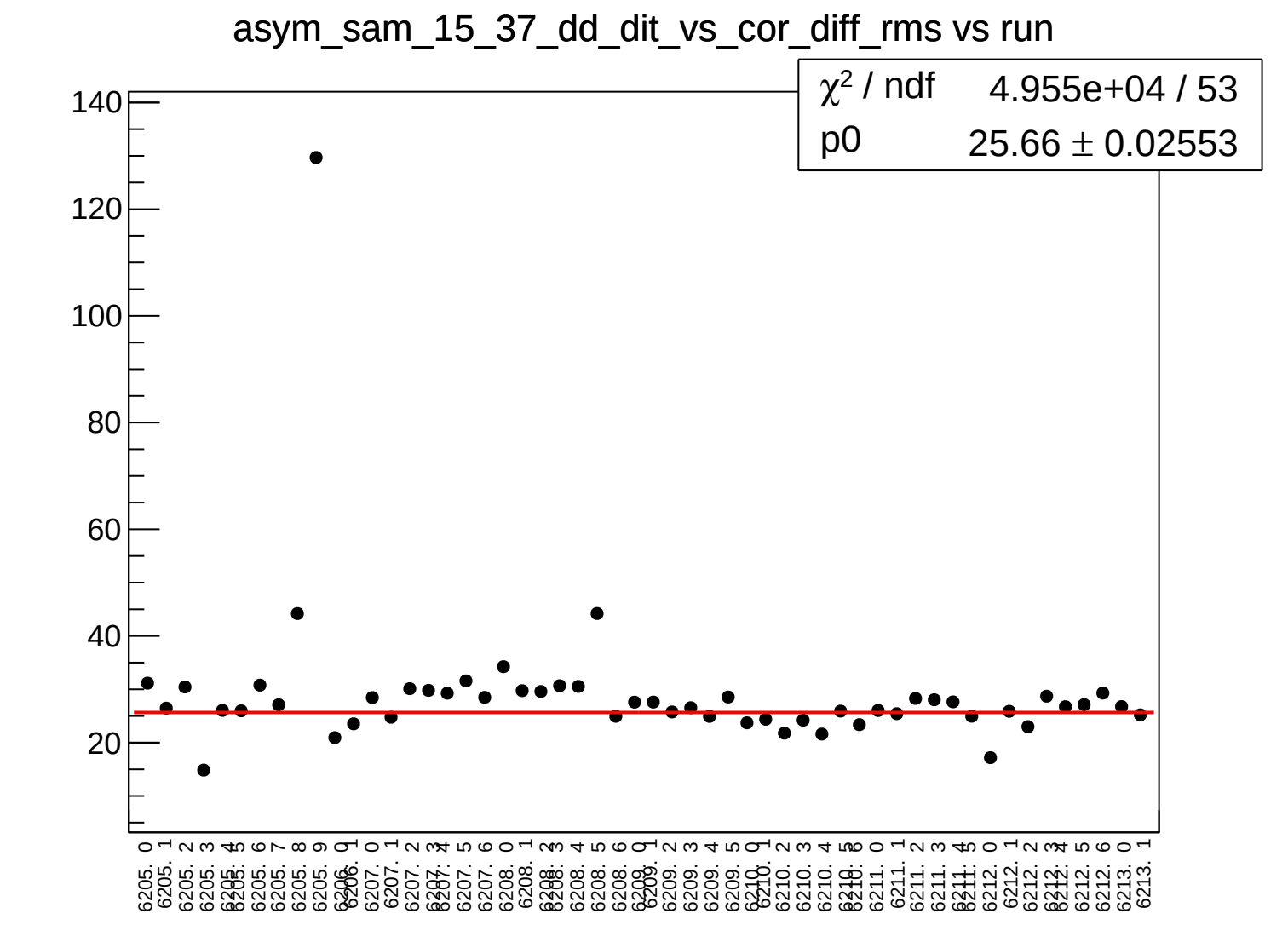

asym_sam_15_37_dd_reg_vs_cor_diff_mean vs run
×10^−3
χ² / ndf 61.08 / 53
p0 4.921e−14 ± 1.131e−13
pull
Entries 54
Mean 42.31
Std Dev 0

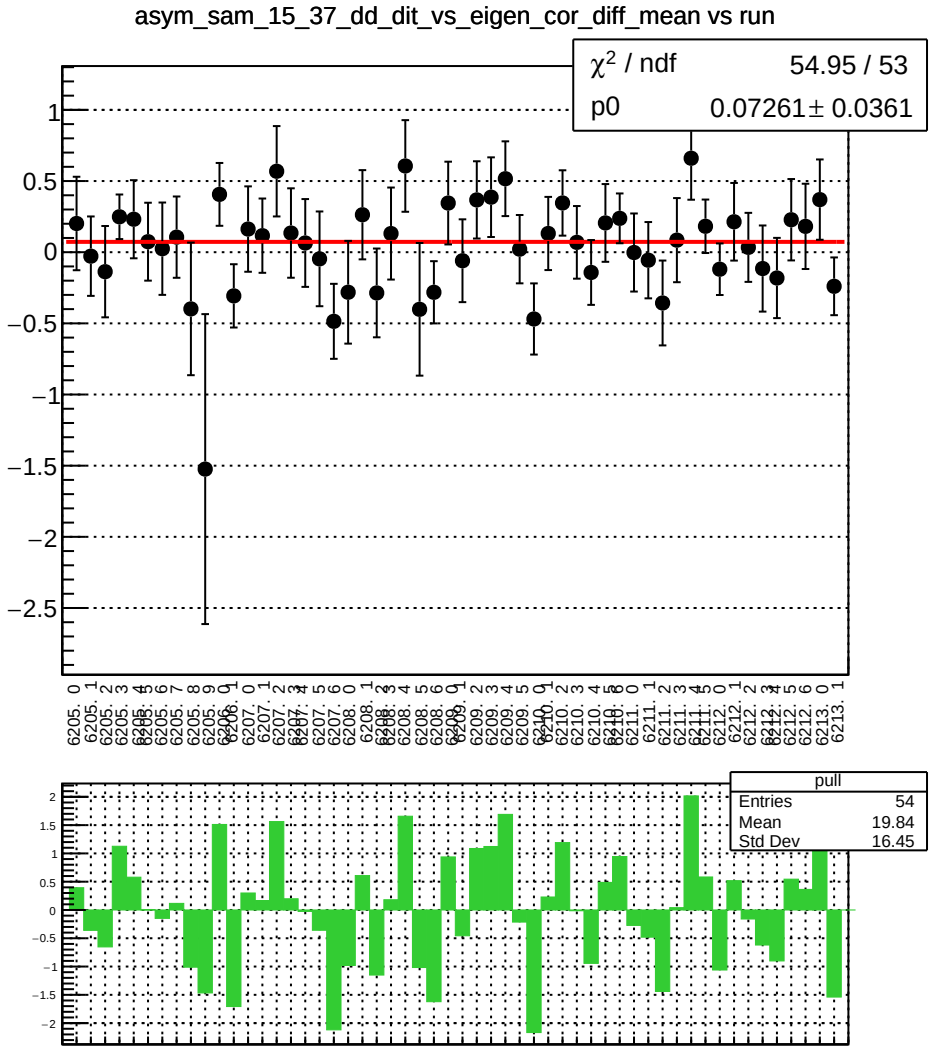

pull1D
Entries 54
Mean −0.1343
Std Dev 1.055

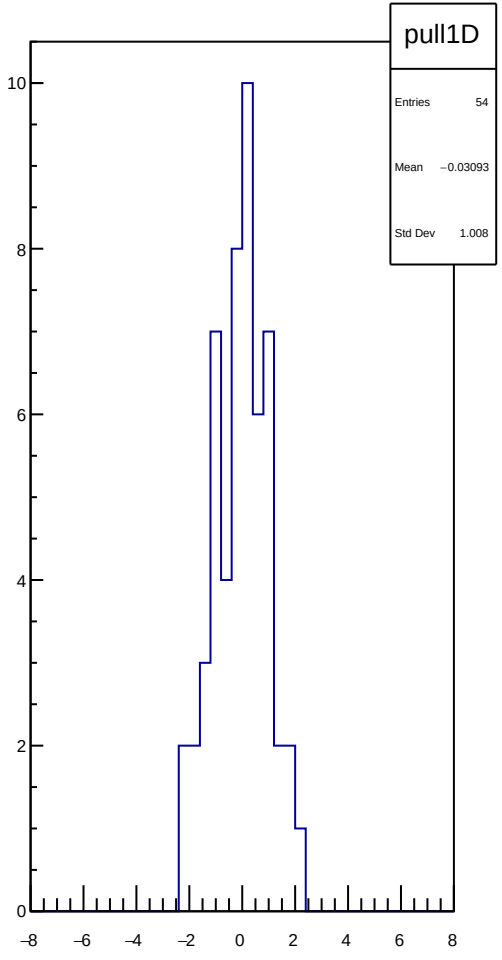

asym_sam_15_37_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.8e+05 / 53
p0 5.536e−11 ± 7.995e−14
0.03
0.025
0.02
0.015
0.01
0.005
0

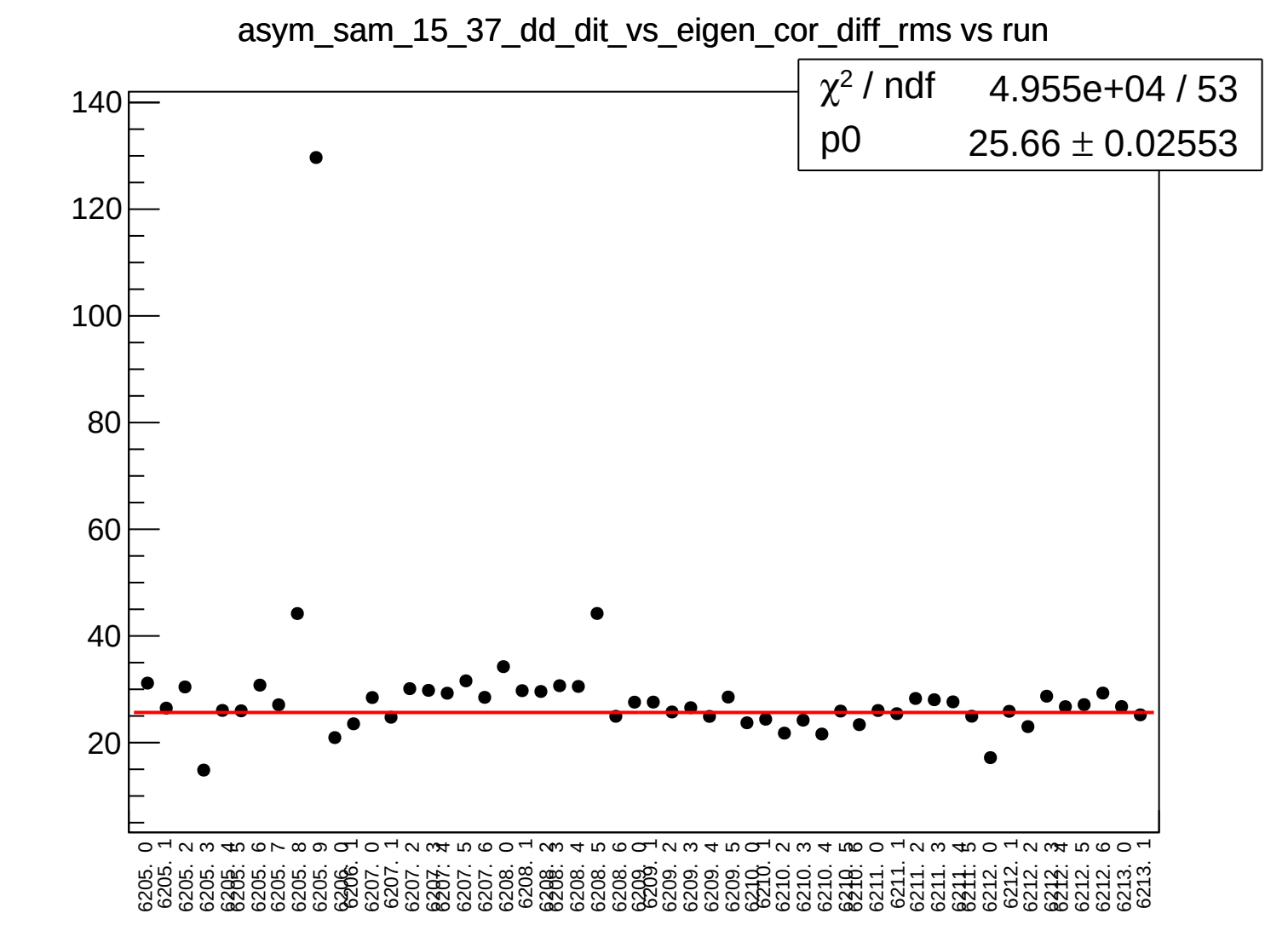

asym_sam_15_37_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 54.95 / 53
p0 0.07261± 0.0361
pull
Entries 54
Mean 19.84
Std Dev 16.45

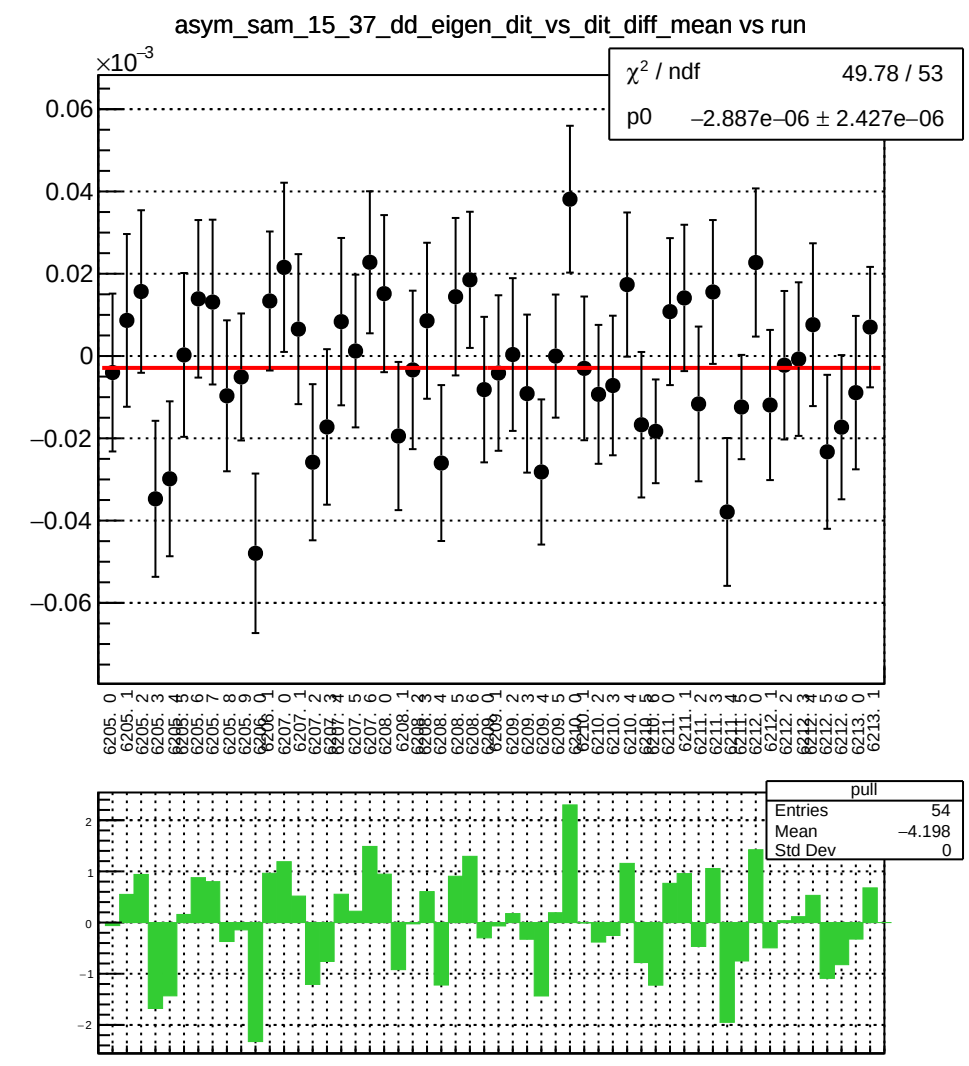

pull1D
Entries 54
Mean −0.03093
Std Dev 1.008

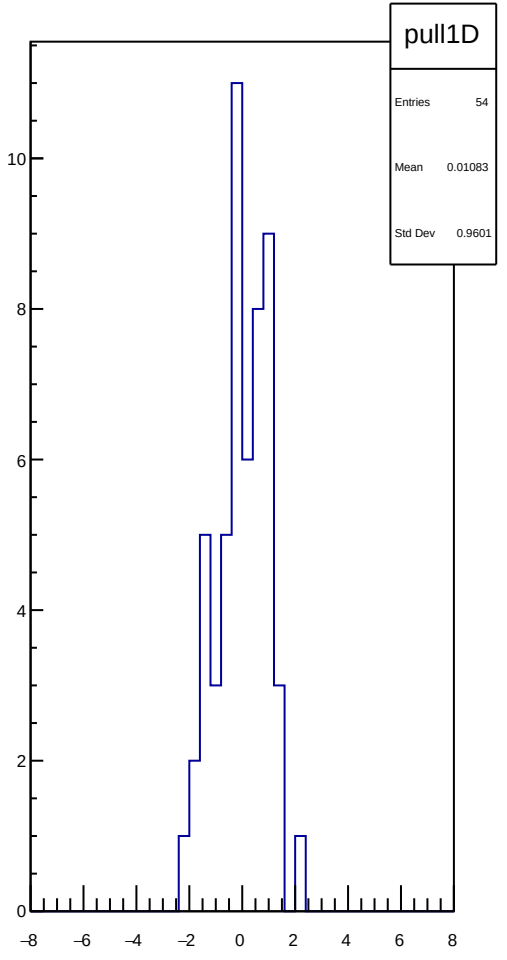

asym_sam_15_37_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 4.955e+04 / 53
p0 25.66 ± 0.02553
140
120
100
80
60
40
20
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

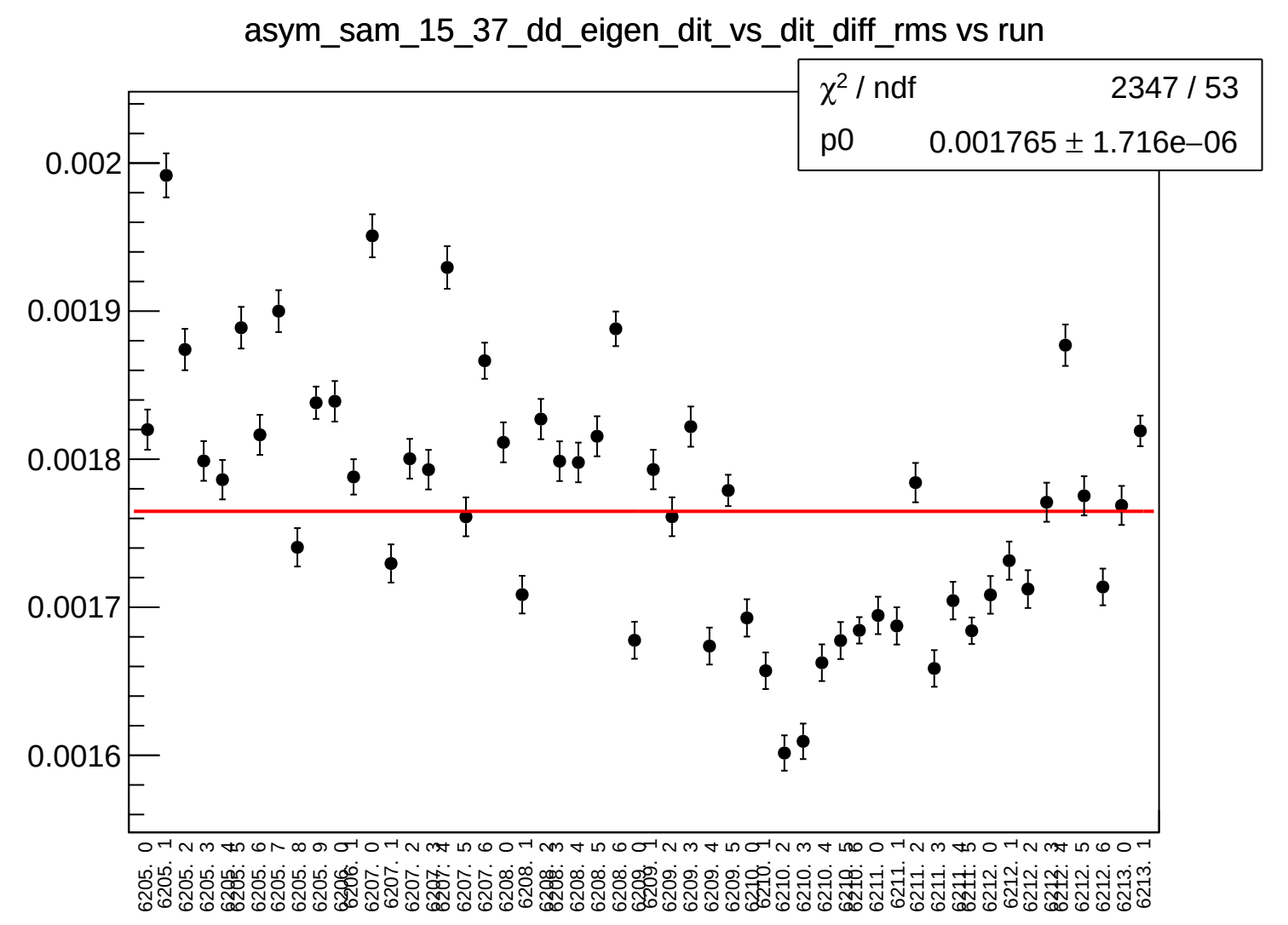

asym_sam_15_37_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 54.95 / 53
p0 0.07261± 0.0361
pull
Entries 54
Mean 19.84
Std Dev 16.45

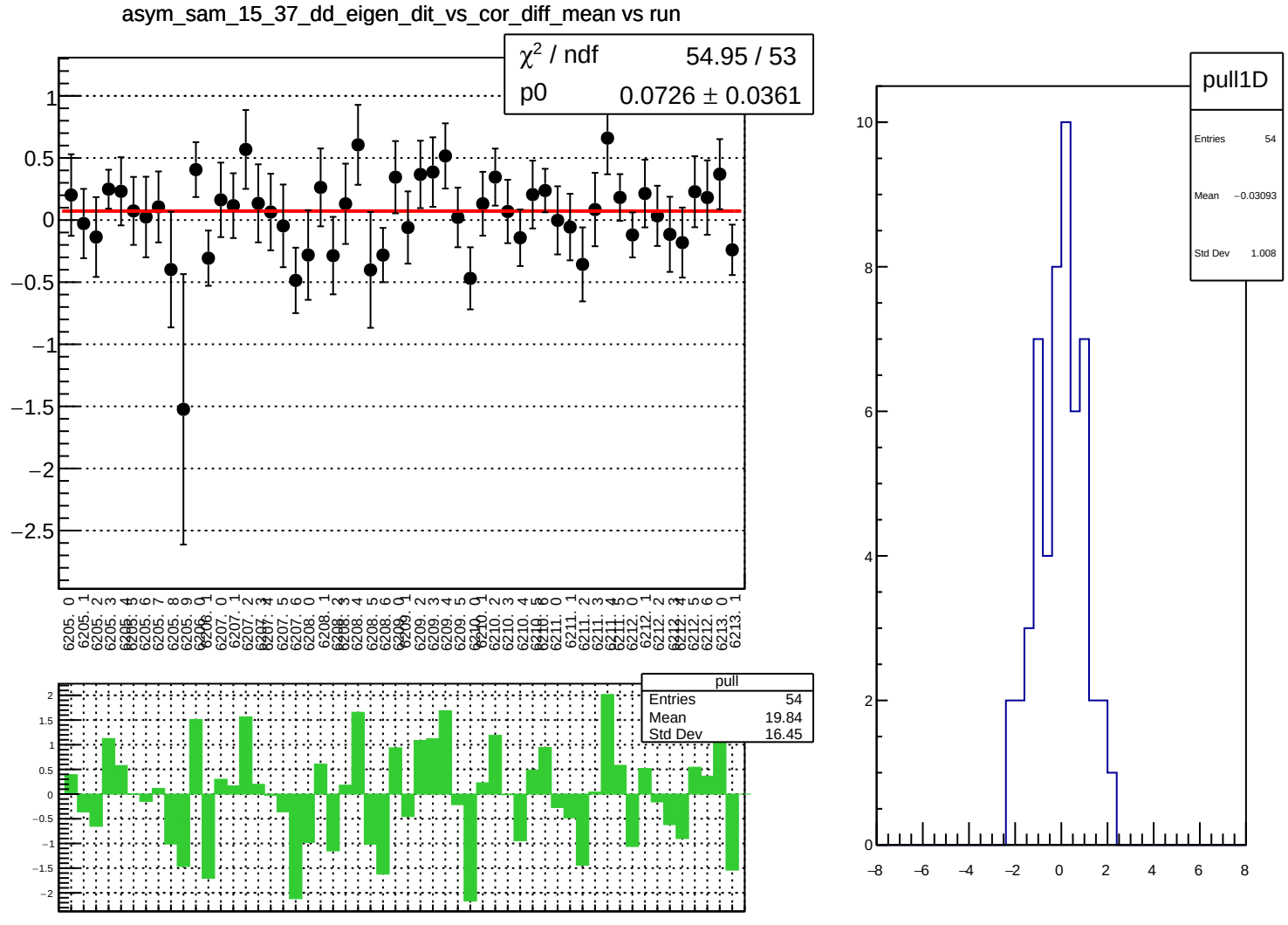

pull1D
Entries 54
Mean −0.03093
Std Dev 1.008

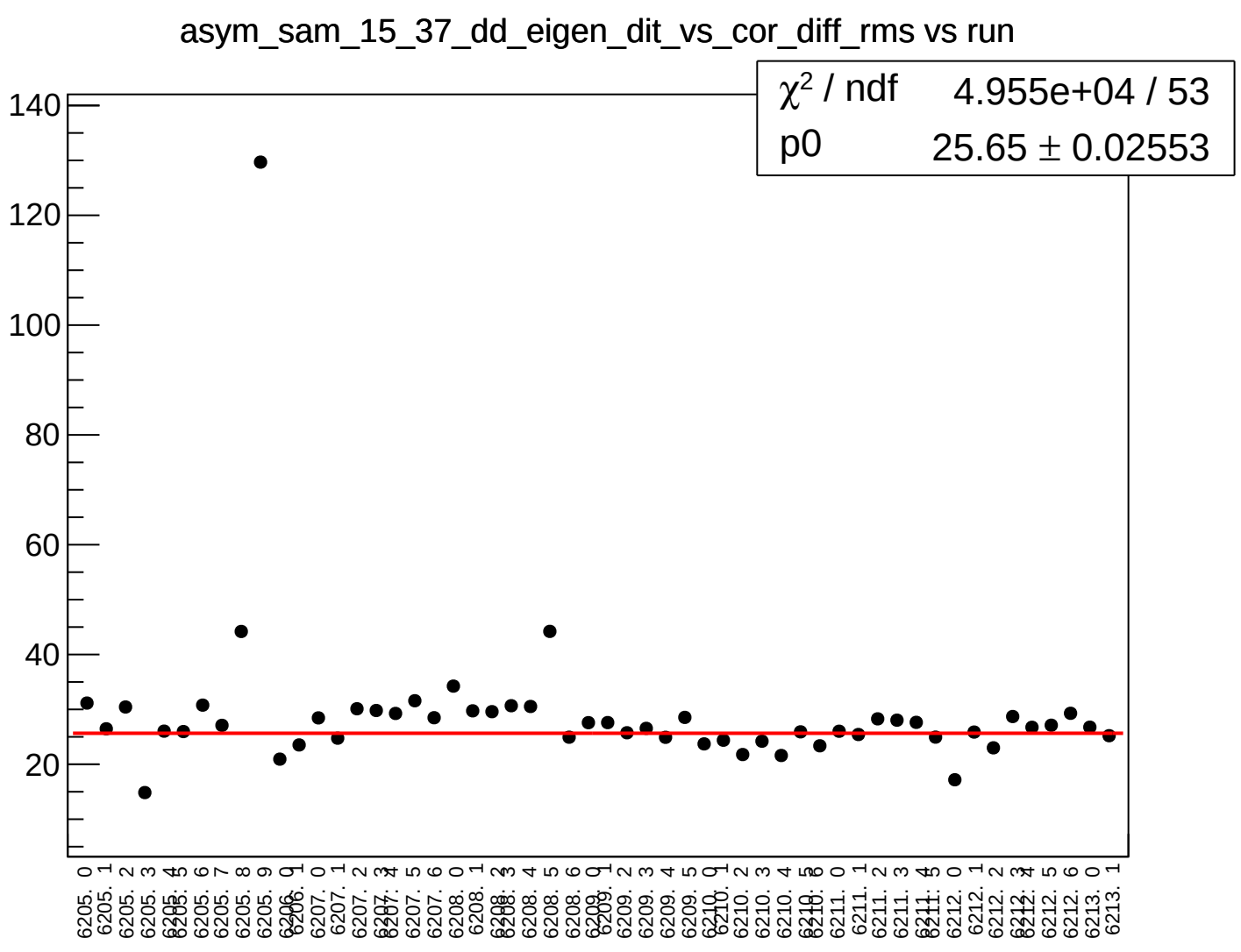

asym_sam_15_37_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.955e+04 / 53
p0 25.66 ± 0.02553
140
120
100
80
60
40
20
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

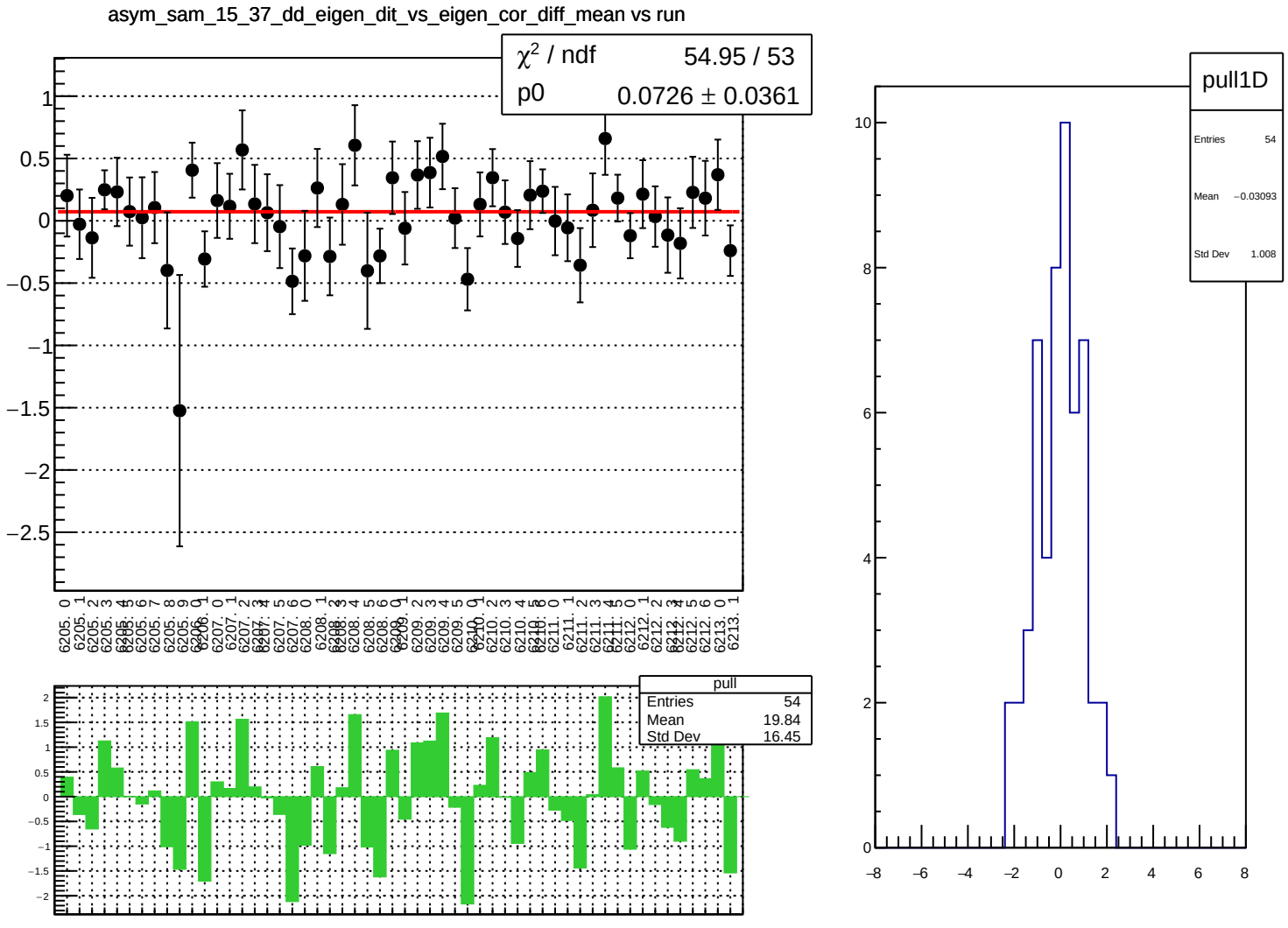

asym_sam_15_37_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 49.78 / 53
p0 −2.887e−06 ± 2.427e−06
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
pull
Entries 54
Mean −4.198
Std Dev 0

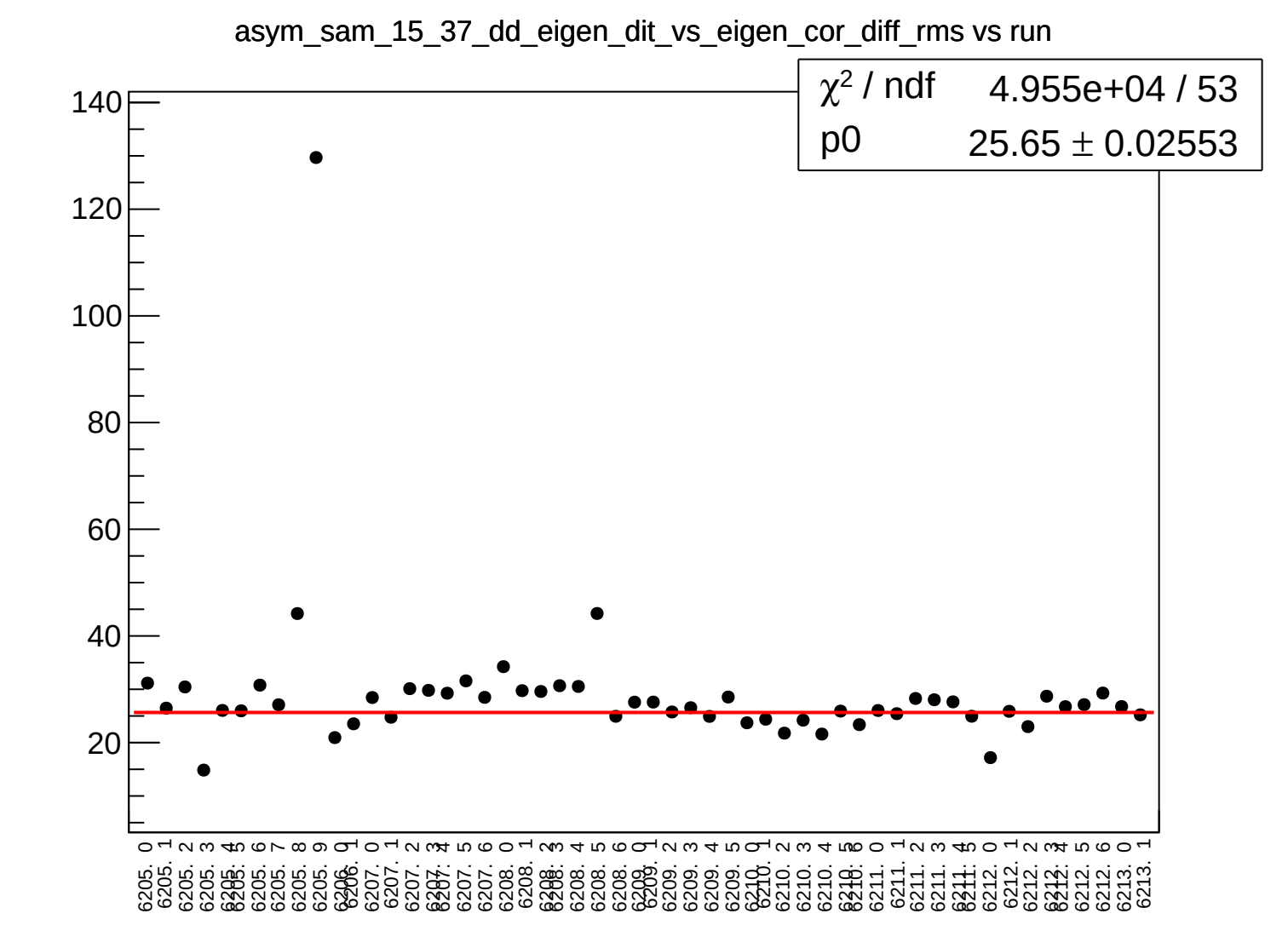

pull1D
Entries 54
Mean 0.01083
Std Dev 0.9601
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

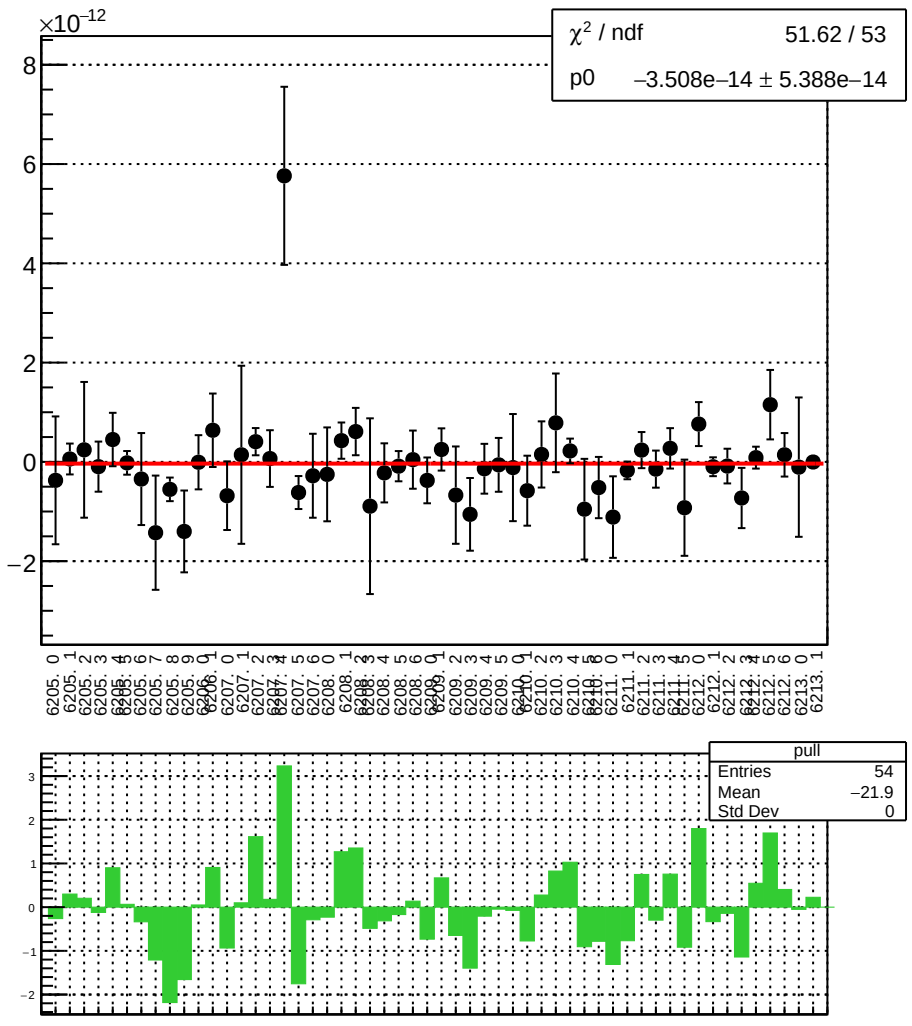

asym_sam_15_37_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2347 / 53
p0 0.001765 ± 1.716e−06
0.002
0.0019
0.0018
0.0017
0.0016

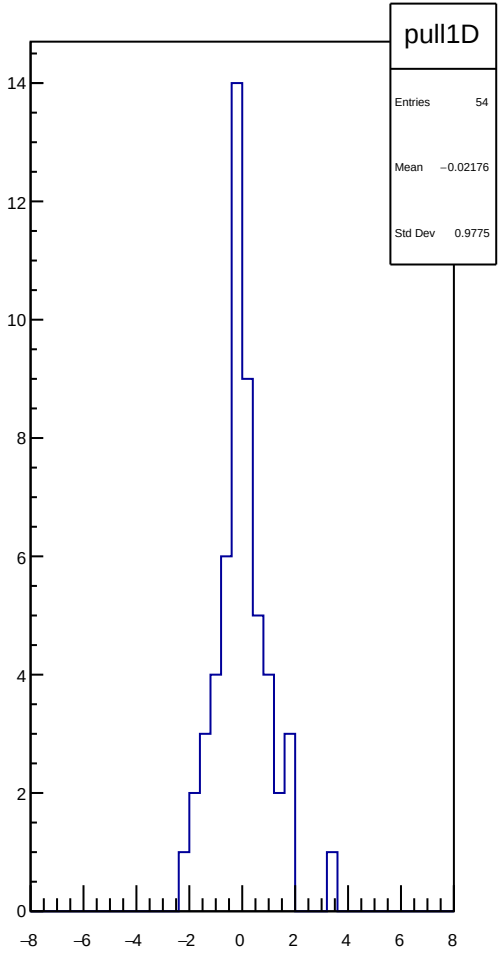

asym_sam_15_37_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 54.95 / 53
p0 0.0726 ± 0.0361
pull
Entries 54
Mean 19.84
Std Dev 16.45
pull1D
Entries 54
Mean −0.03093
Std Dev 1.008

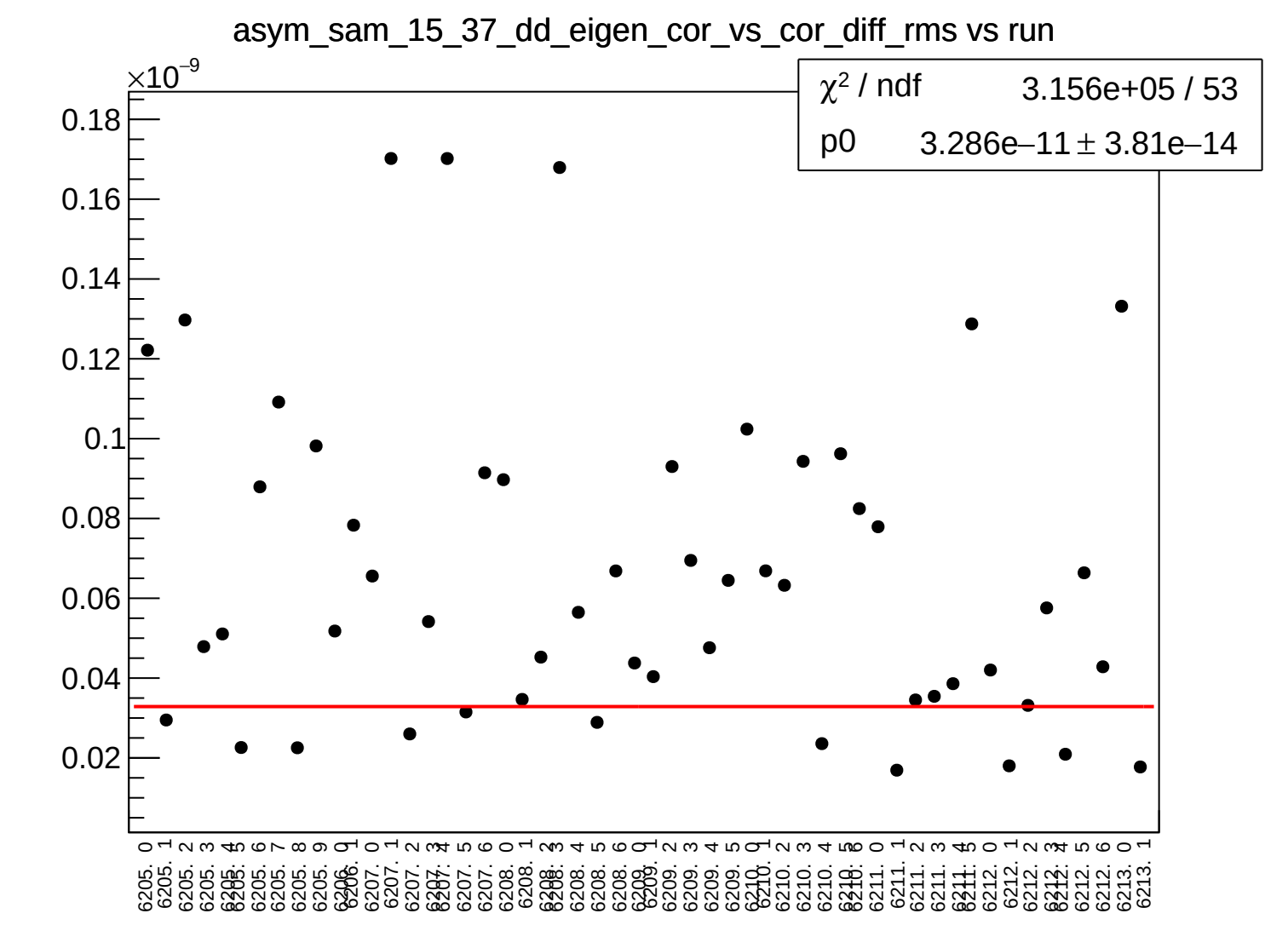

asym_sam_15_37_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.955e+04 / 53
p0 25.65 ± 0.02553
140
120
100
80
60
40
20
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

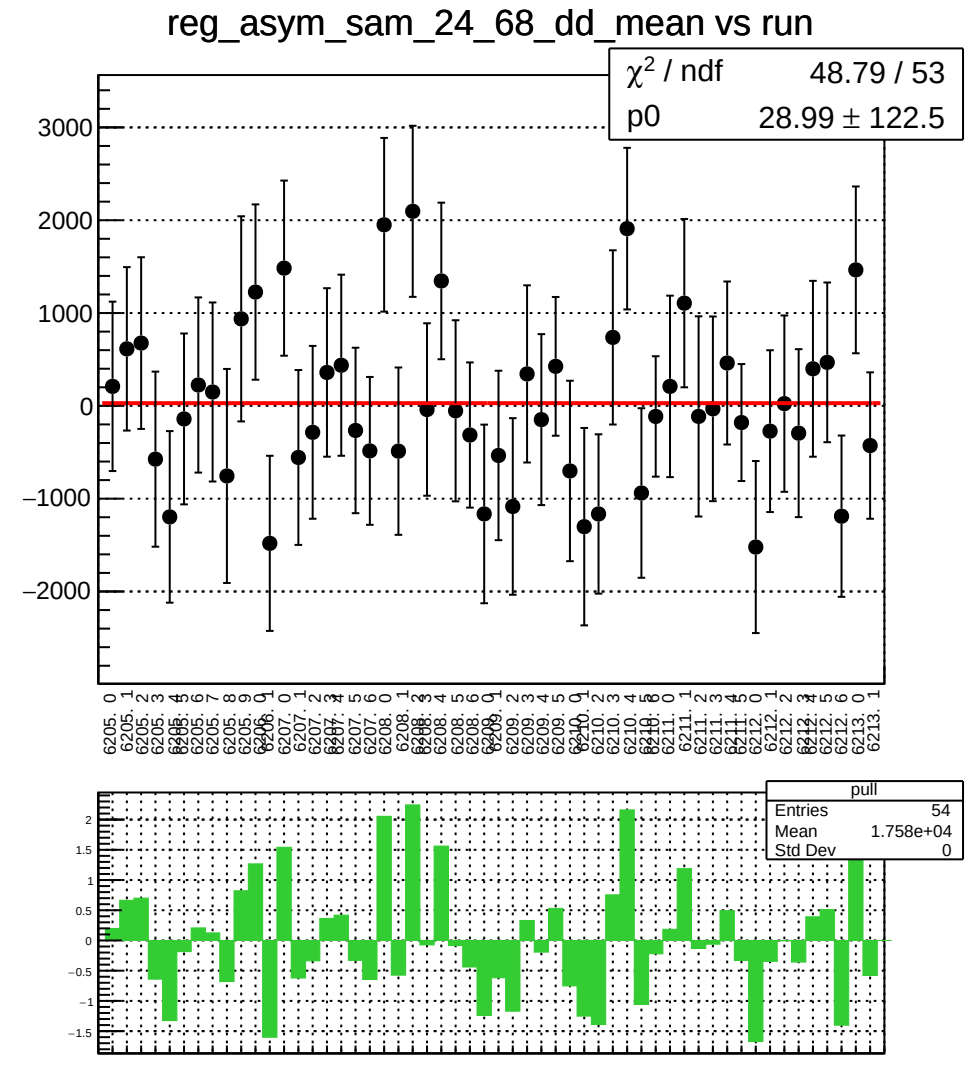

asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 54.95 / 53
p0 0.0726 ± 0.0361
pull
Entries 54
Mean 19.84
Std Dev 16.45
pull1D
Entries 54
Mean −0.03093
Std Dev 1.008

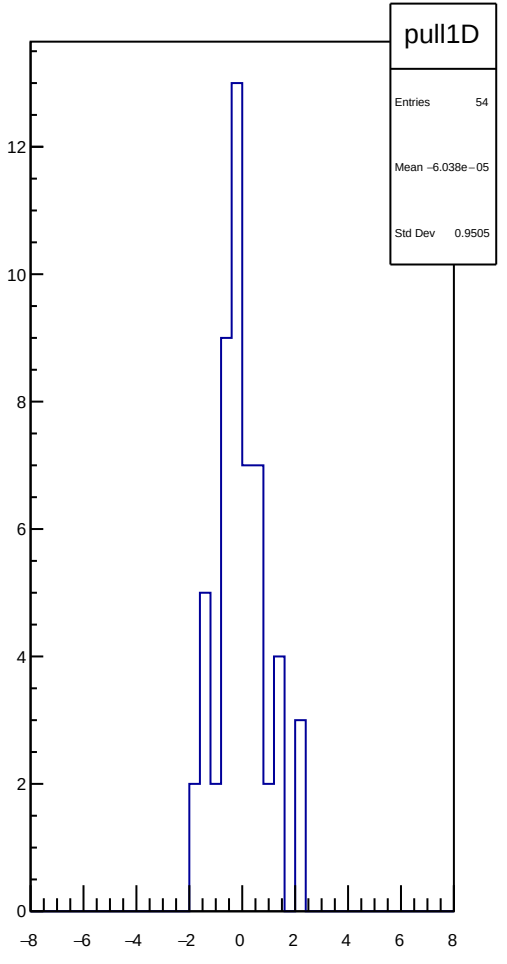

asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.955e+04 / 53
p0 25.65 ± 0.02553
140
120
100
80
60
40
20
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

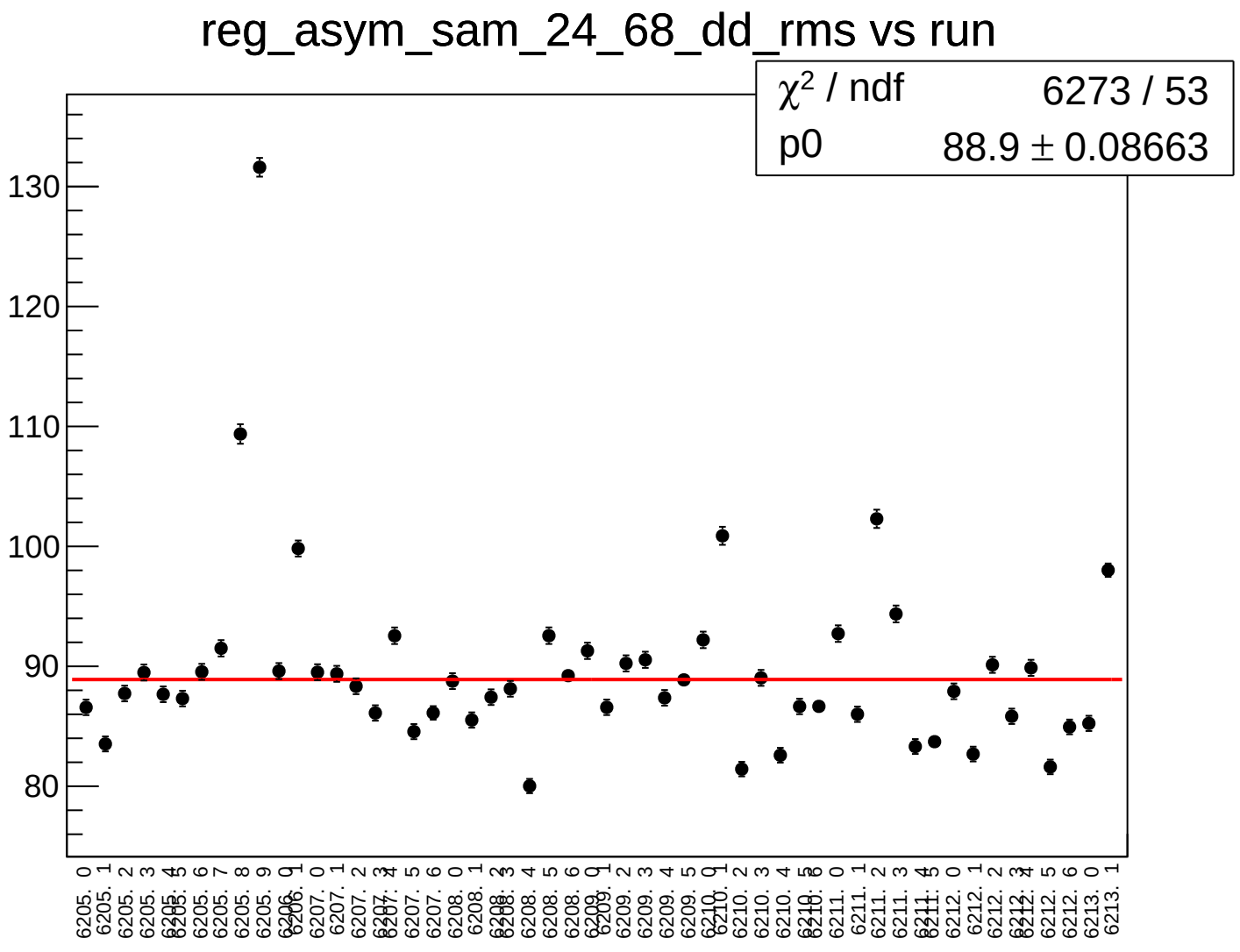

asym_sam_15_37_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 51.62 / 53
p0 −3.508e−14 ± 5.388e−14
pull
Entries 54
Mean −21.9
Std Dev 0


pull1D
Entries 54
Mean −0.02176
Std Dev 0.9775

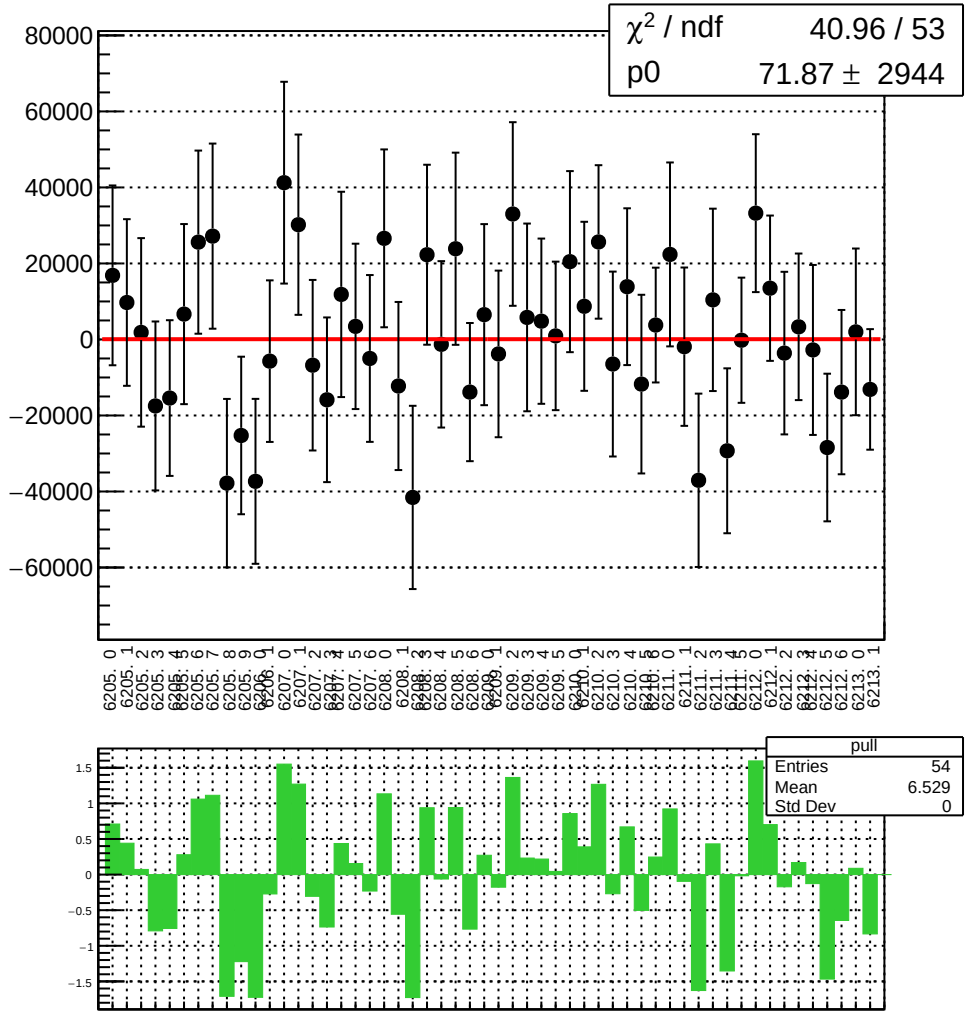

asym_sam_15_37_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.156e+05 / 53
p0 3.286e−11 ± 3.81e−14
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 1
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

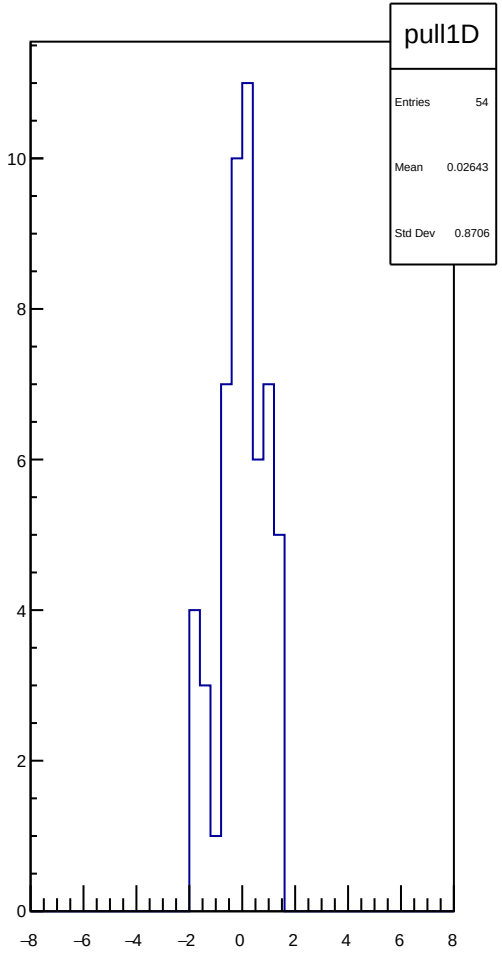

reg_asym_sam_24_68_dd_mean vs run
χ² / ndf 48.79 / 53
p0 28.99 ± 122.5
3000
2000
1000
0
−1000
−2000
pull
Entries 54
Mean 1.758e+04
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

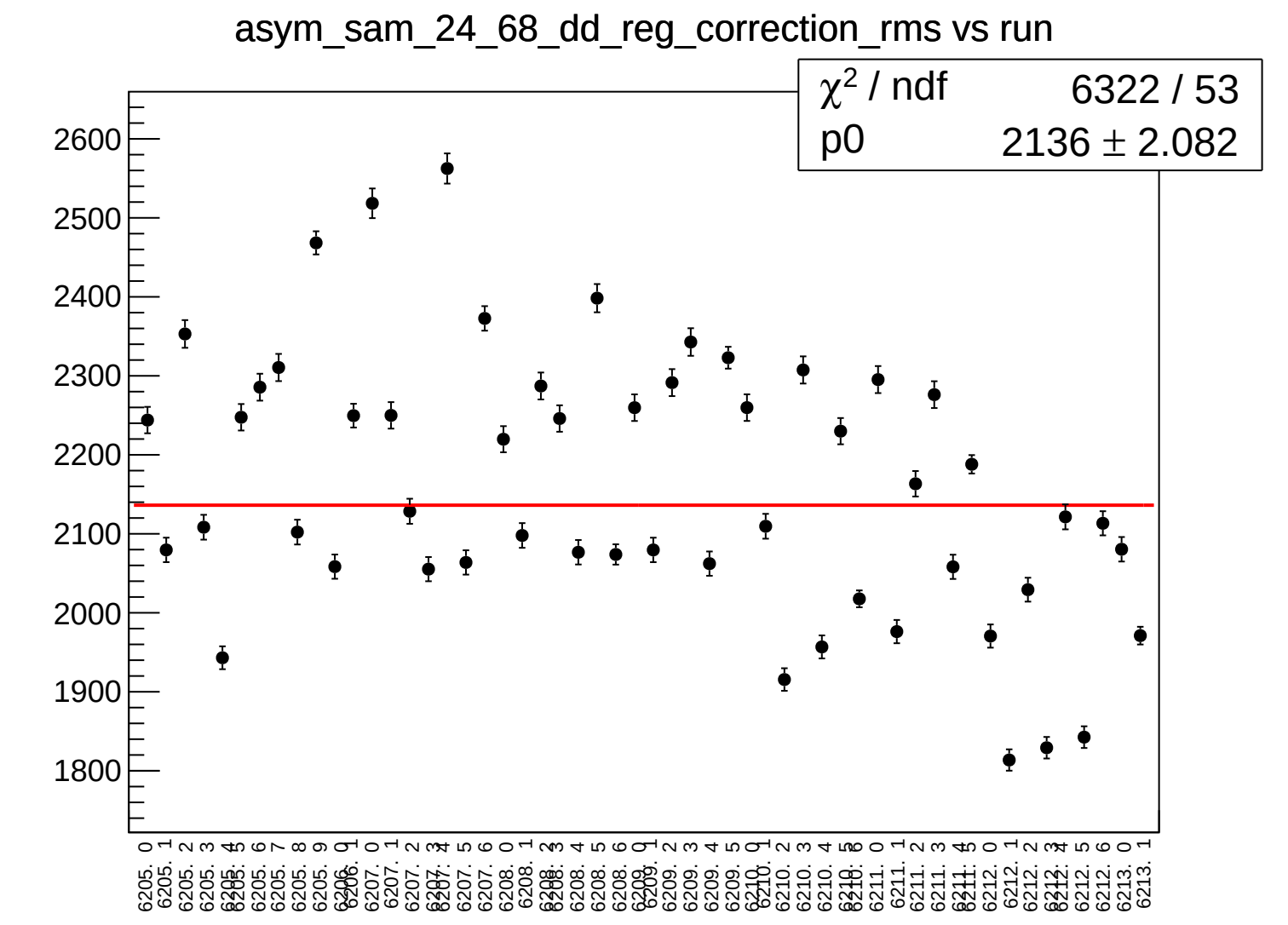

pull1D
Entries 54
Mean −6.038e−05
Std Dev 0.9505
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

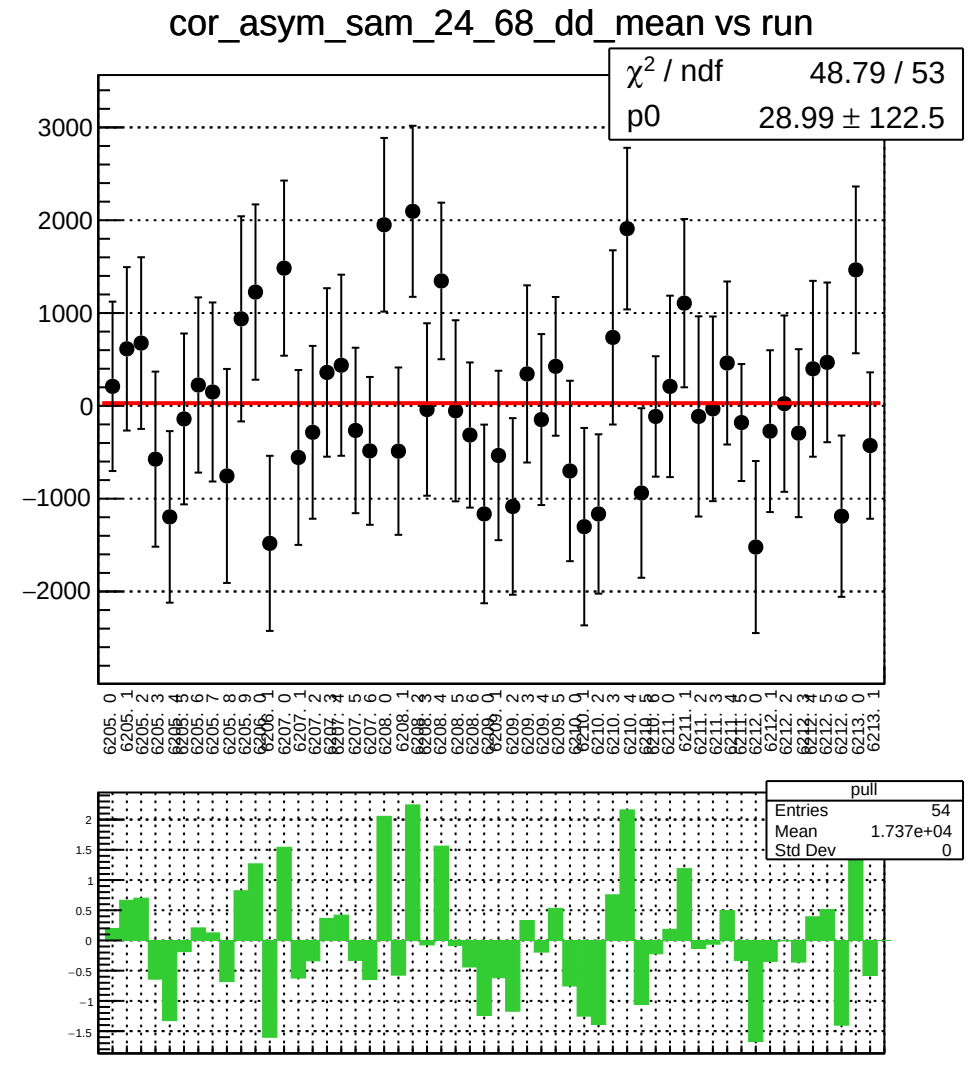

reg_asym_sam_24_68_dd_rms vs run
χ² / ndf 6273 / 53
p0 88.9 ± 0.08663
130
120
110
100
90
80
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

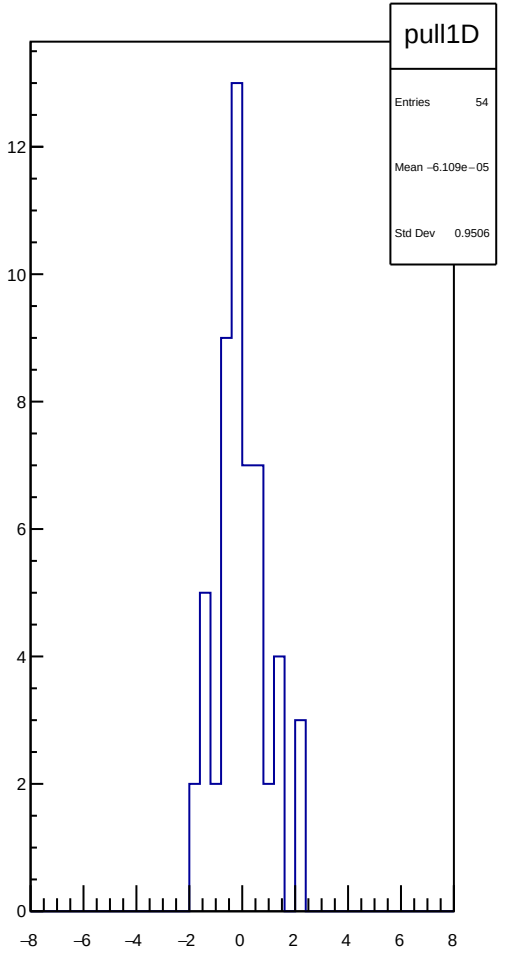
asym_sam_24_68_dd_reg_correction_mean vs run

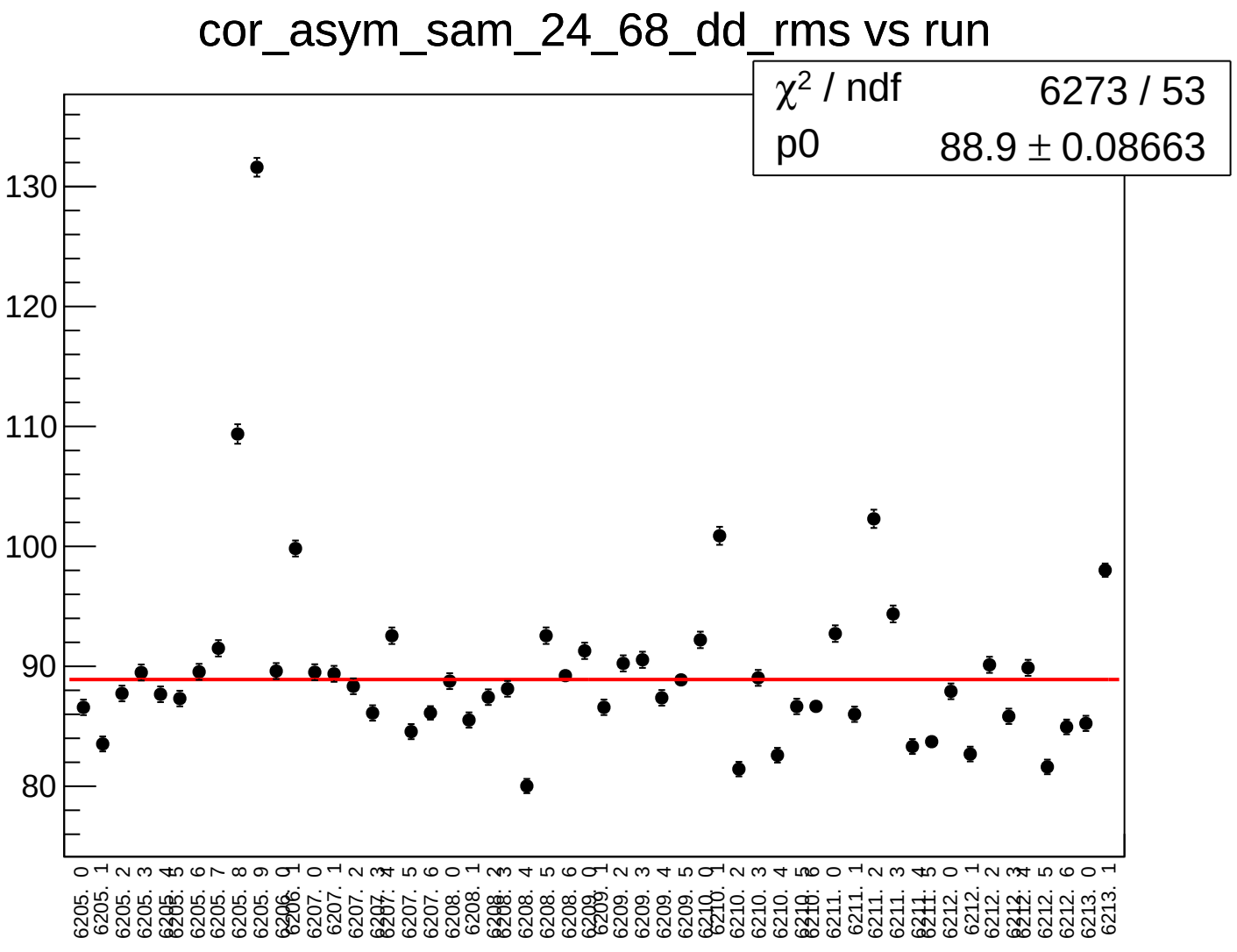


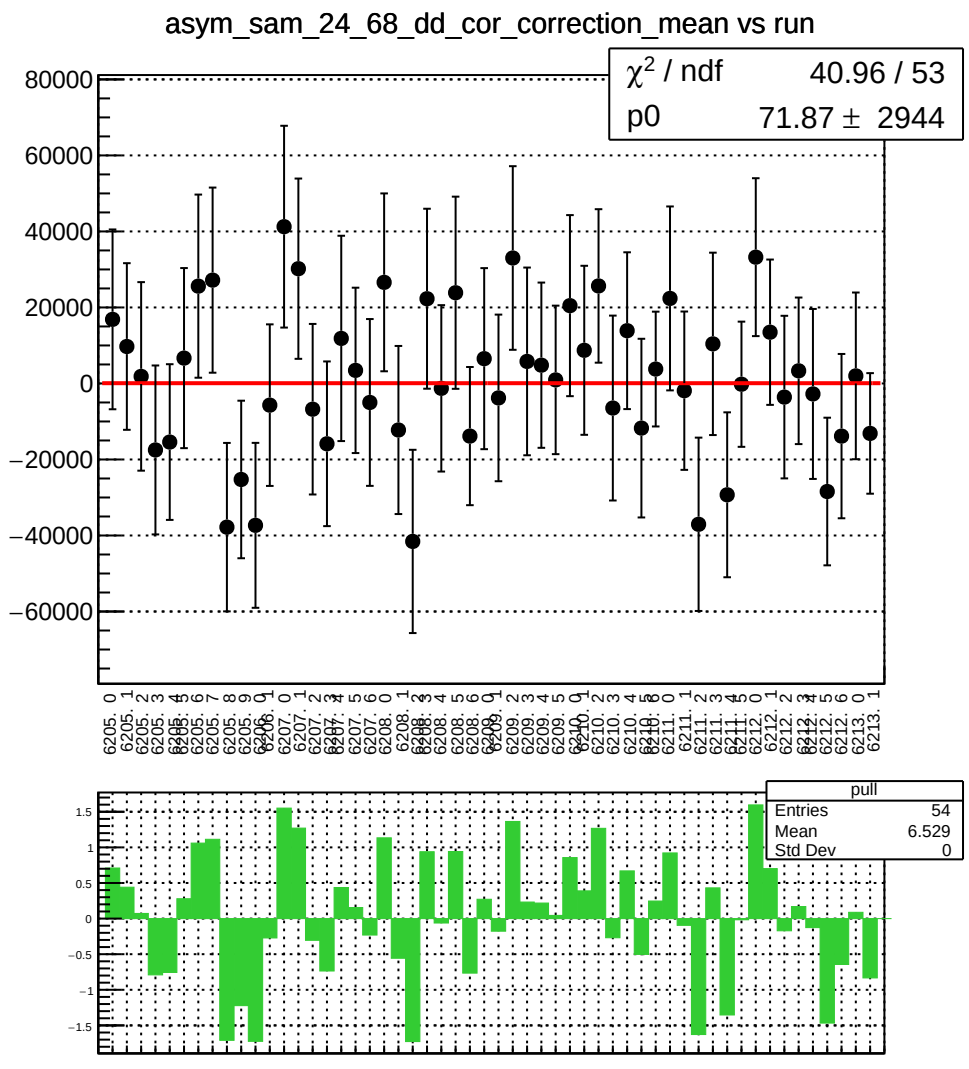


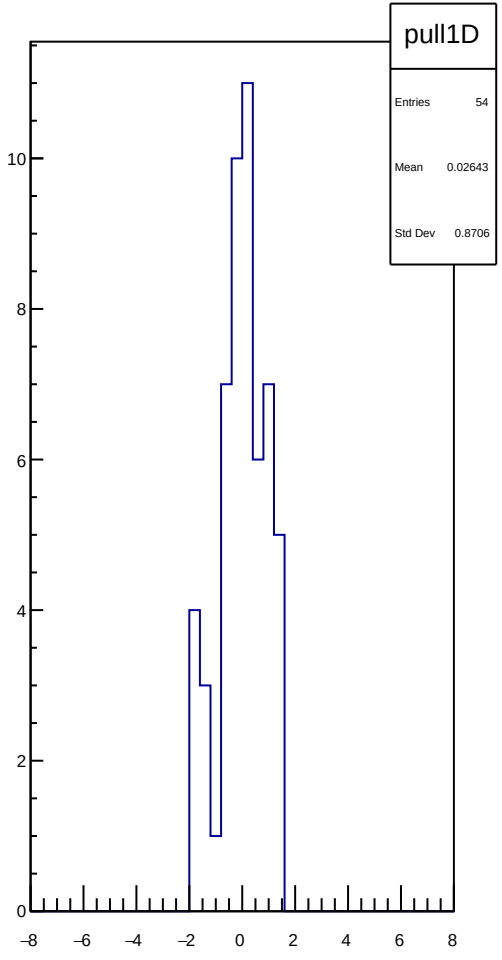

asym_sam_24_68_dd_reg_correction_rms vs run
χ² / ndf 6322 / 53
p0 2136 ± 2.082
2600
2500
2400
2300
2200
2100
2000
1900
1800
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

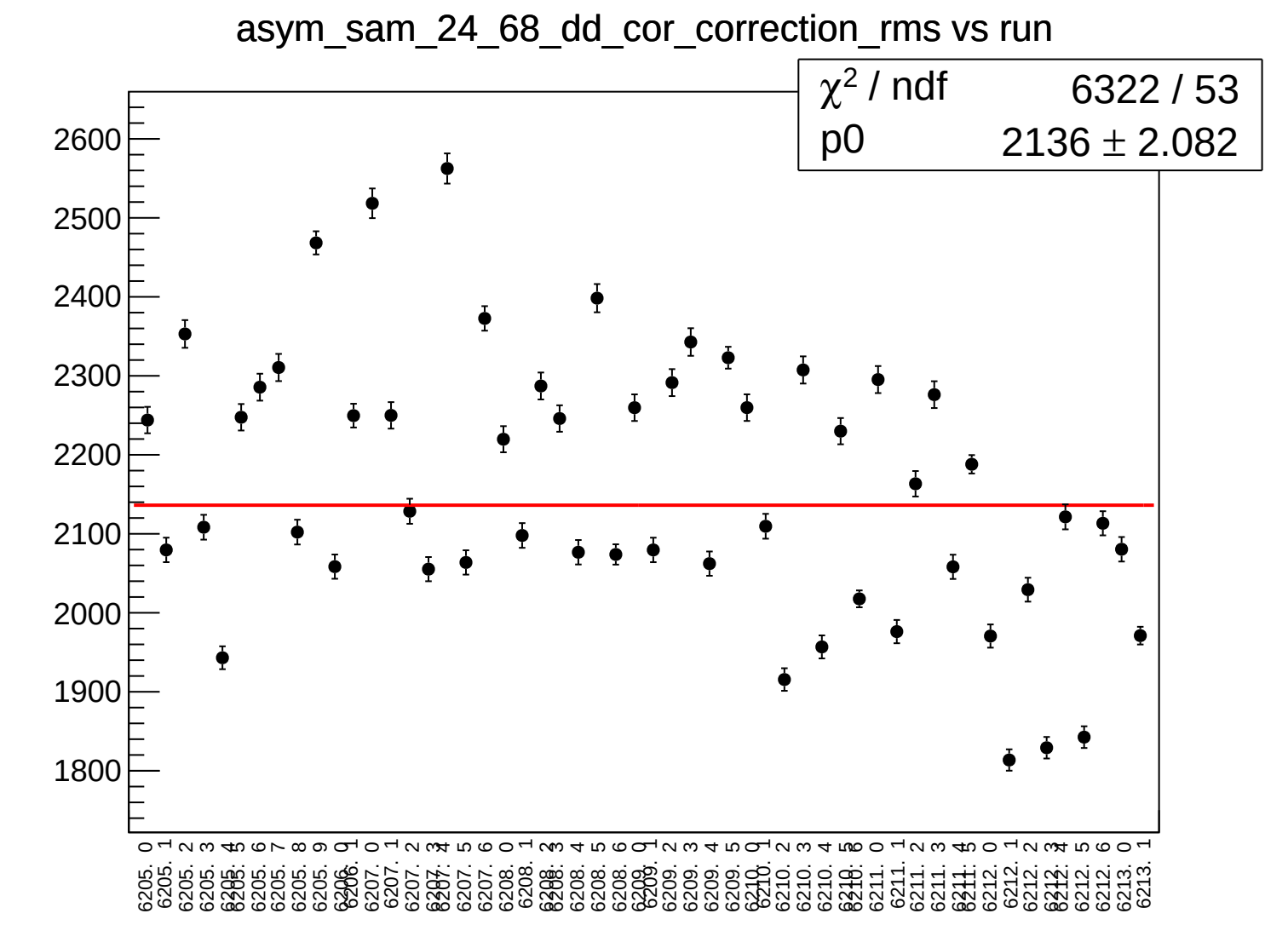

cor_asym_sam_24_68_dd_mean vs run
χ² / ndf 48.79 / 53
p0 28.99 ± 122.5
pull
Entries 54
Mean 1.737e+04
Std Dev 0

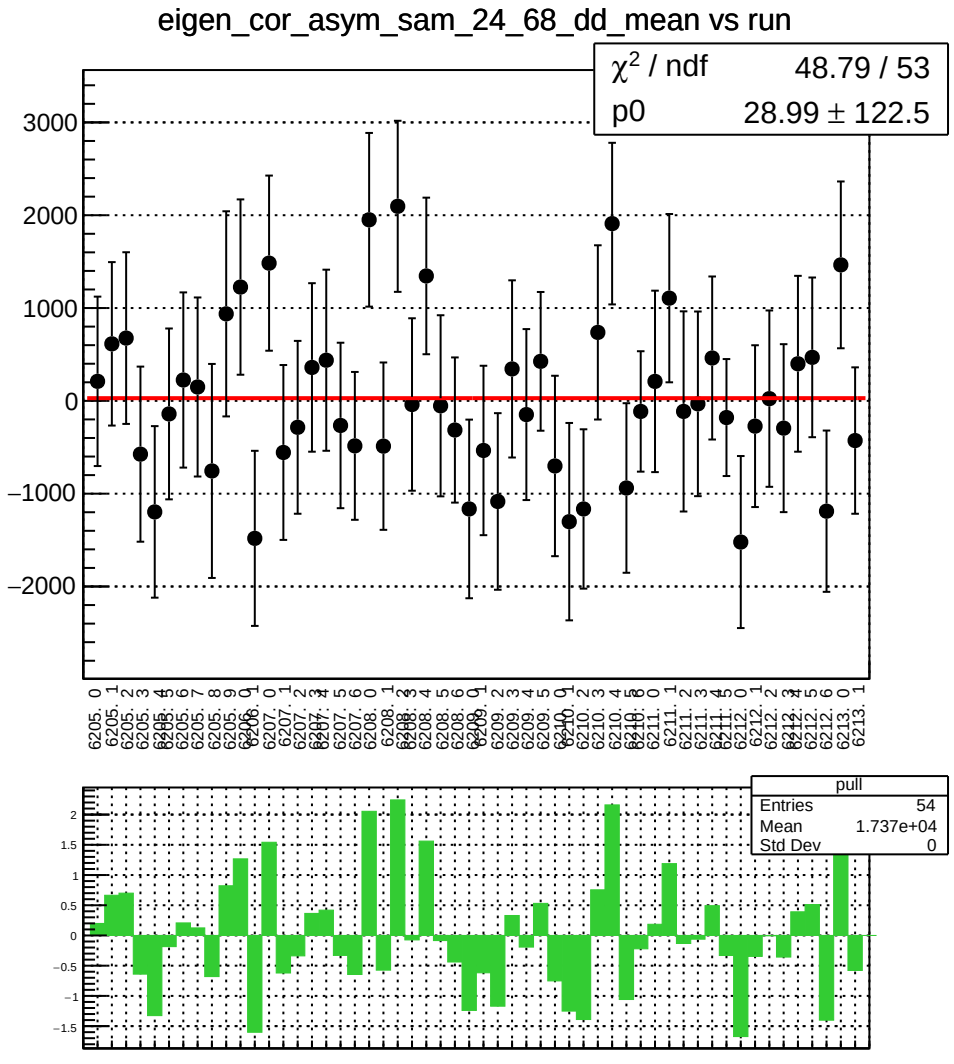

pull1D
Entries 54
Mean −6.109e−05
Std Dev 0.9506

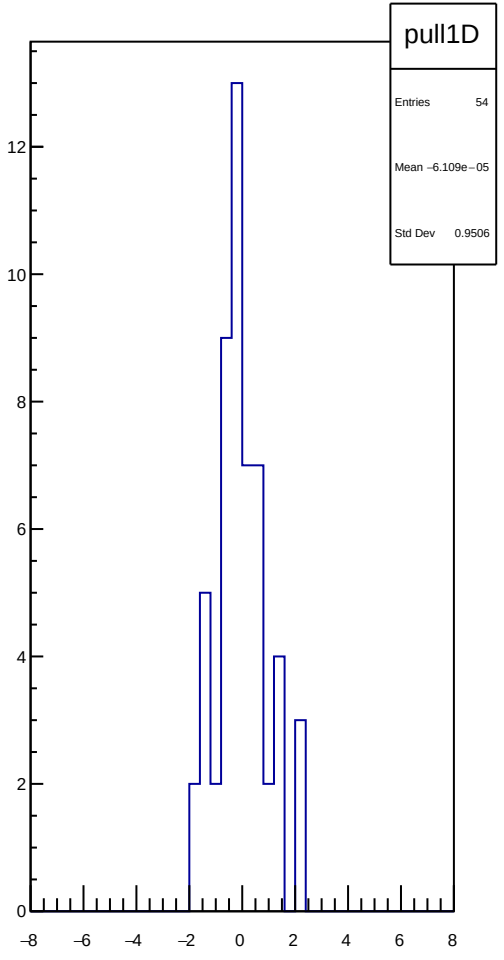

cor_asym_sam_24_68_dd_rms vs run
χ² / ndf 6273 / 53
p0 88.9 ± 0.08663
130
120
110
100
90
80
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

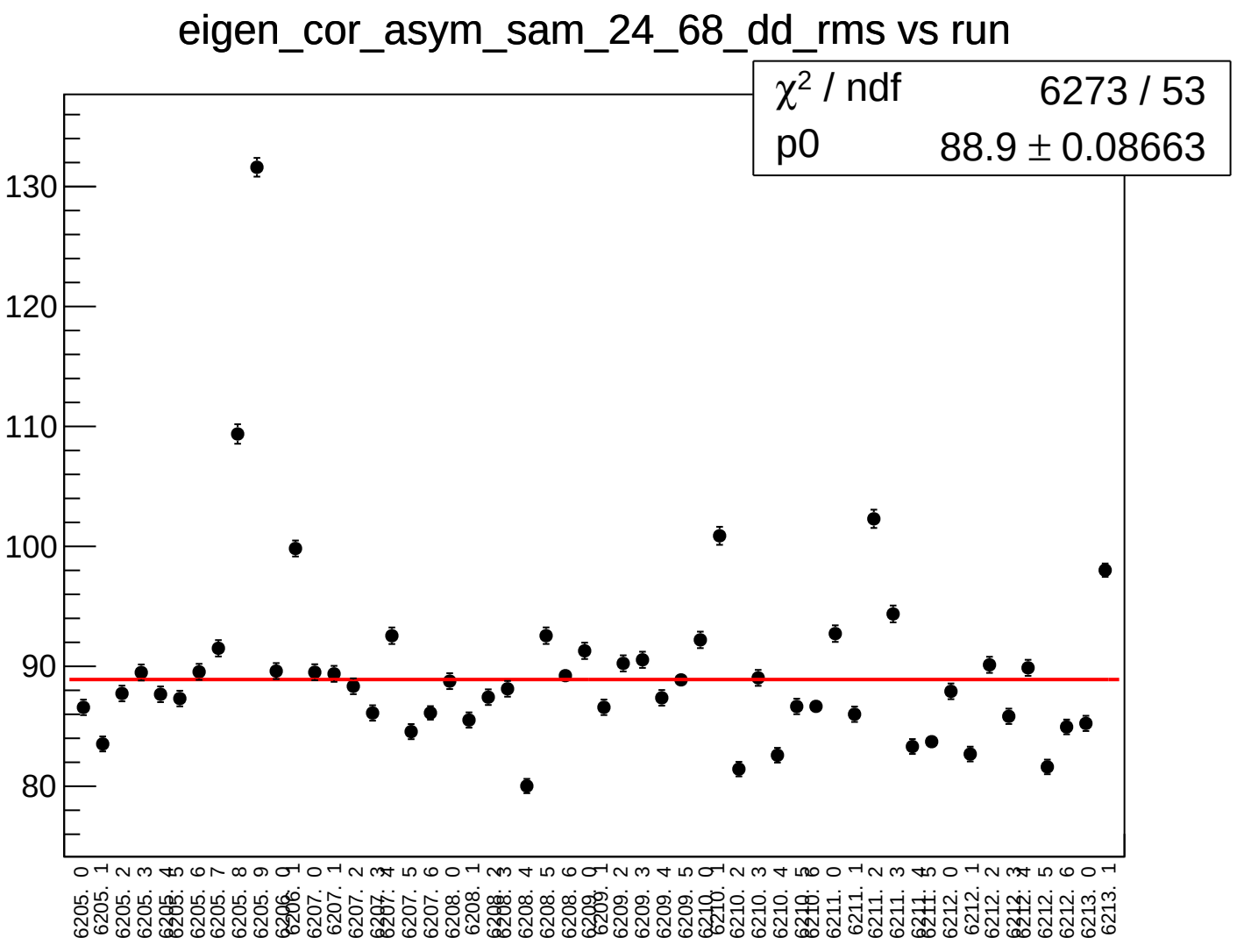

asym_sam_24_68_dd_cor_correction_mean vs run
χ² / ndf 40.96 / 53
p0 71.87 ± 2944
pull
Entries 54
Mean 6.529
Std Dev 0


pull1D
Entries 54
Mean 0.02643
Std Dev 0.8706

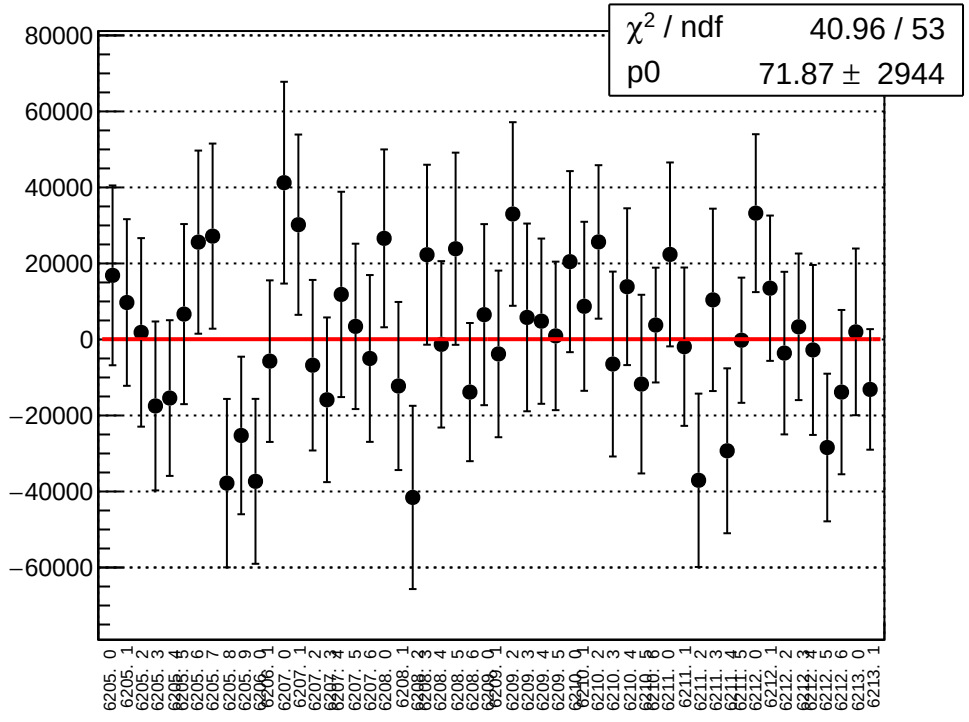

asym_sam_24_68_dd_cor_correction_rms vs run
χ² / ndf 6322 / 53
p0 2136 ± 2.082
2600
2500
2400
2300
2200
2100
2000
1900
1800
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 1
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

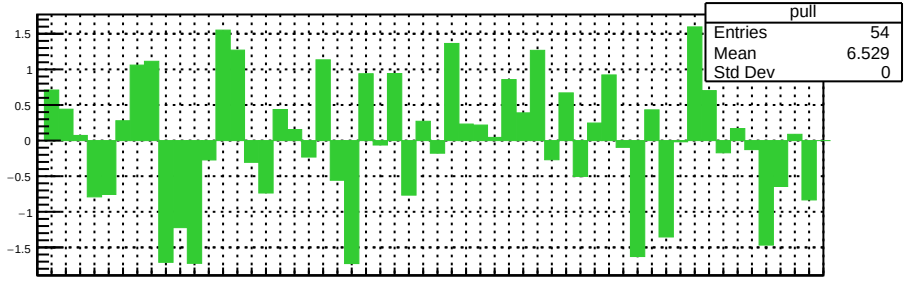

eigen_cor_asym_sam_24_68_dd_mean vs run
χ² / ndf 48.79 / 53
p0 28.99 ± 122.5
pull
Entries 54
Mean 1.737e+04
Std Dev 0

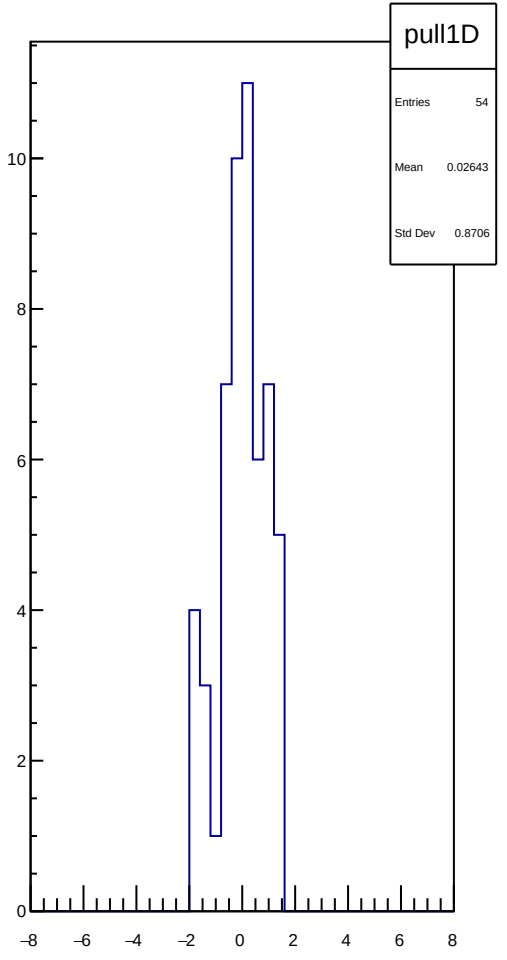

pull1D
Entries 54
Mean −6.109e−05
Std Dev 0.9506

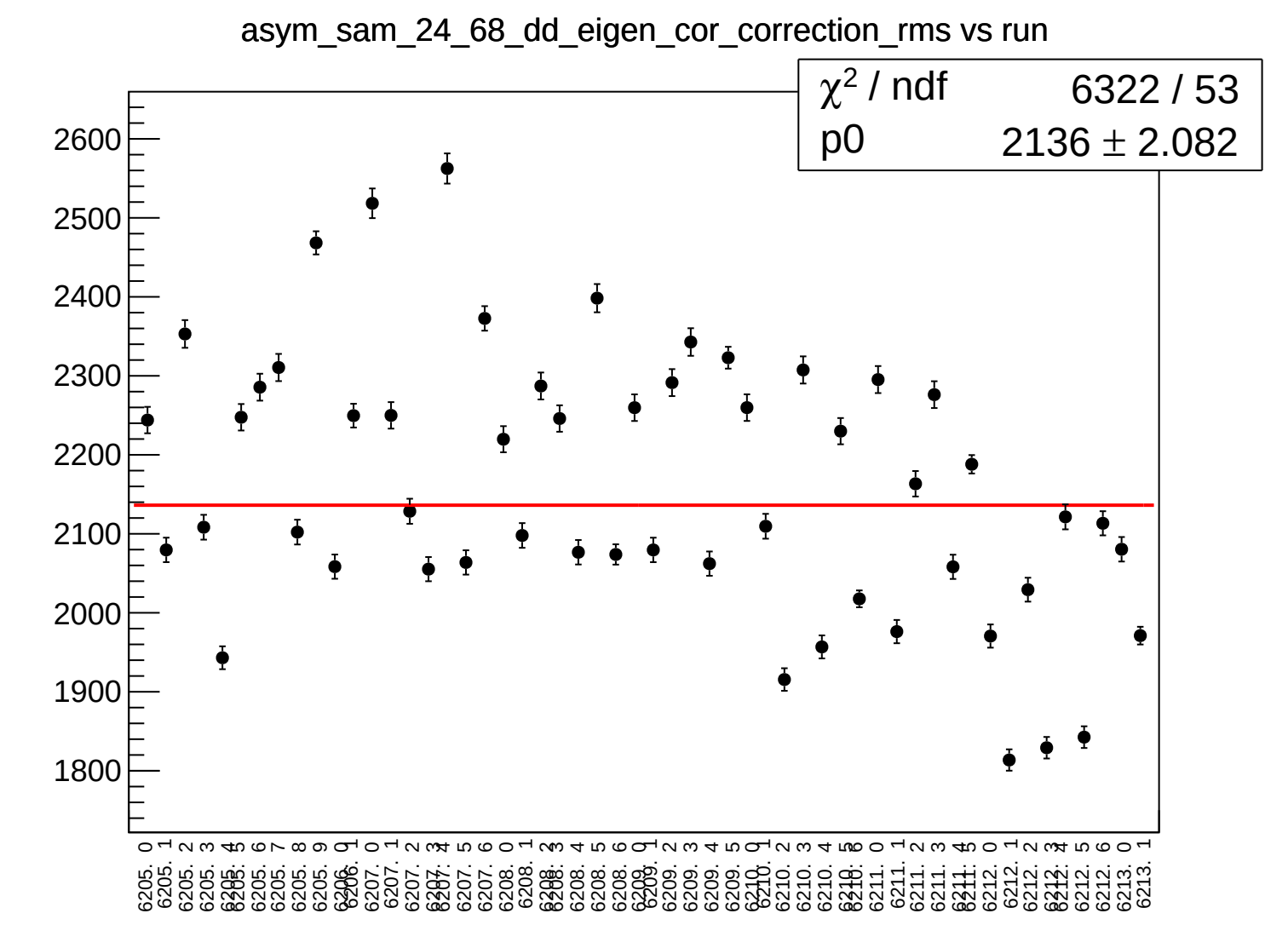

eigen_cor_asym_sam_24_68_dd_rms vs run
χ² / ndf 6273 / 53
p0 88.9 ± 0.08663
130
120
110
100
90
80
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

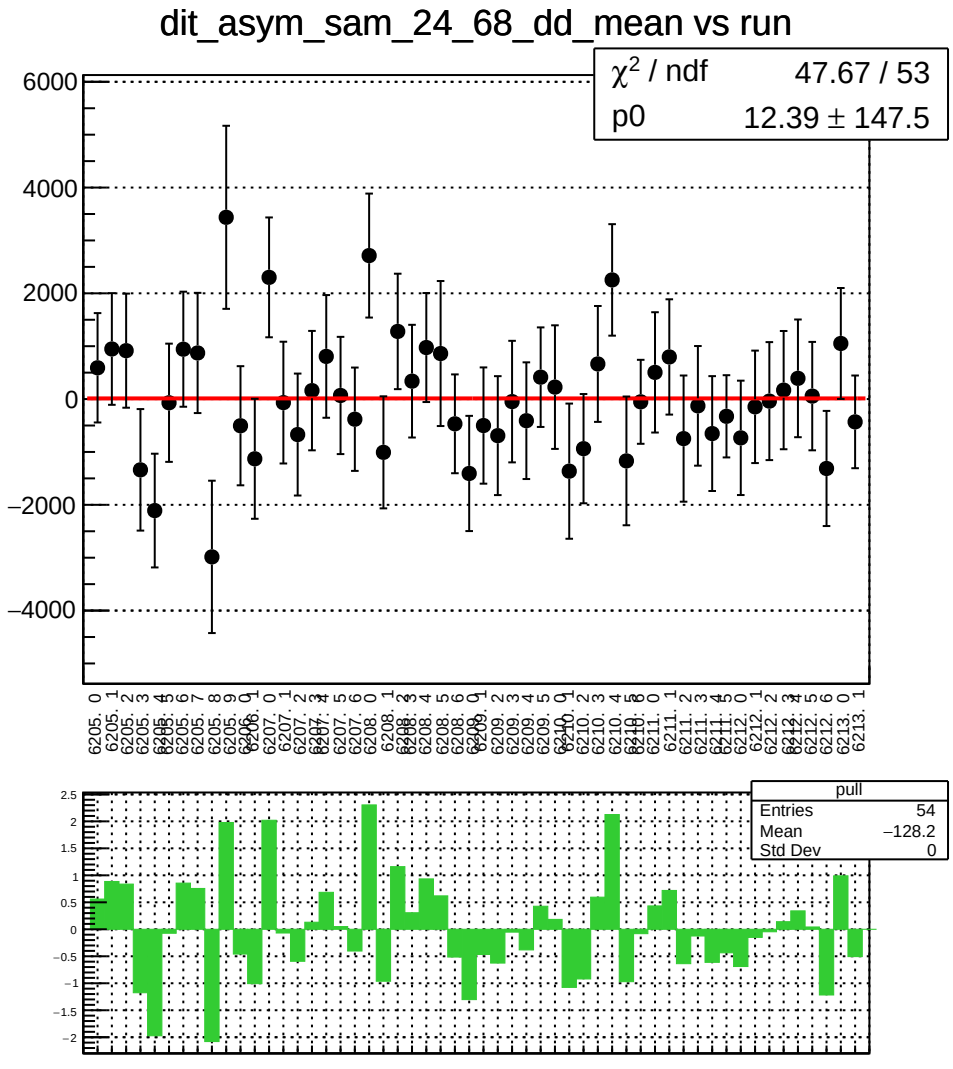
asym_sam_24_68_dd_eigen_cor_correction_mean vs run

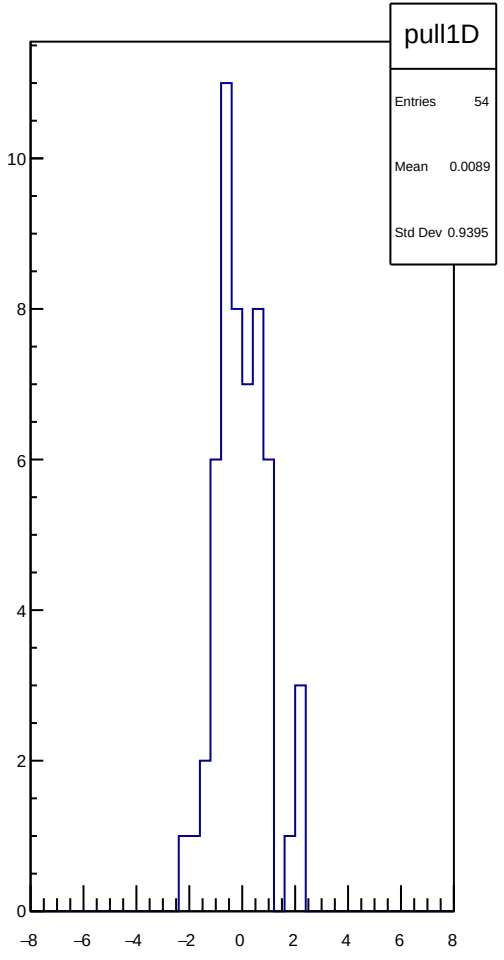


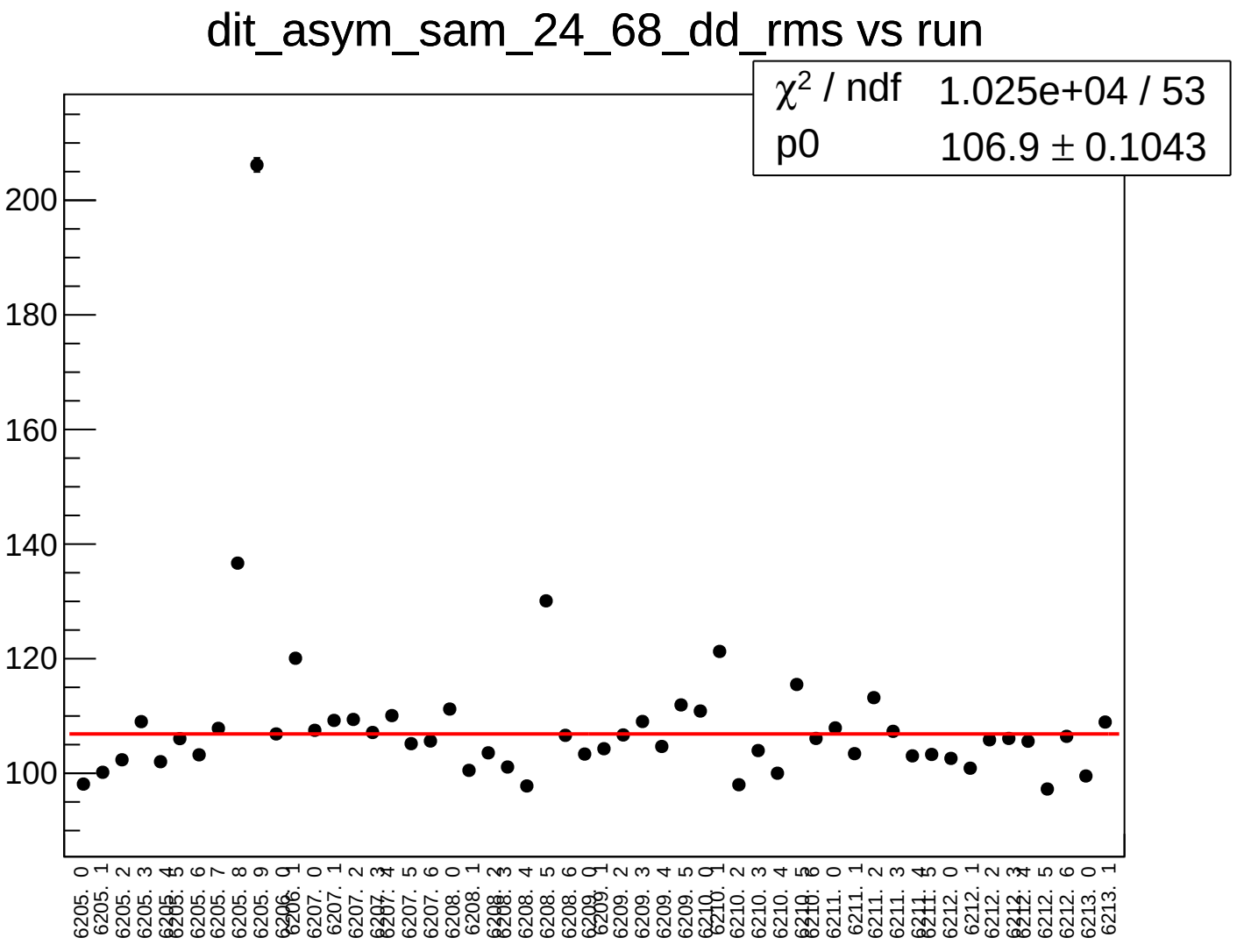


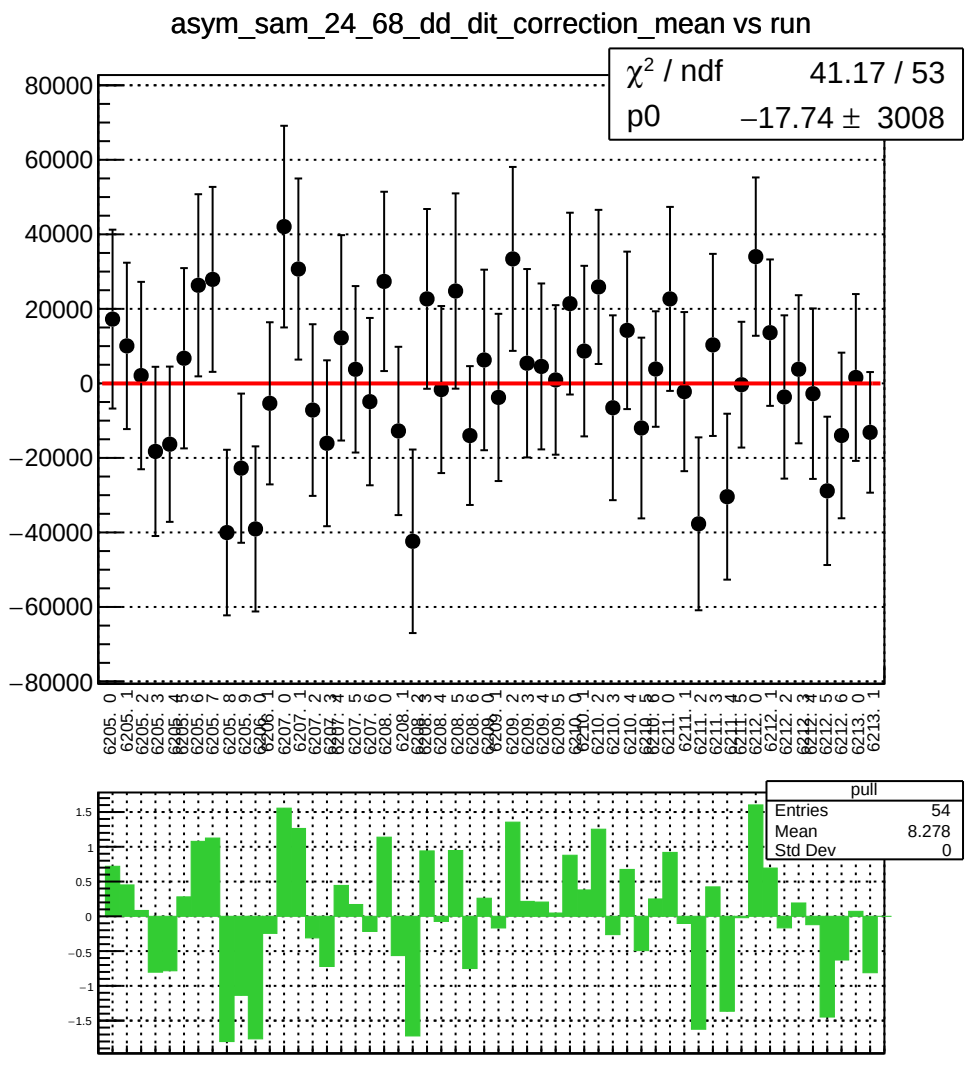


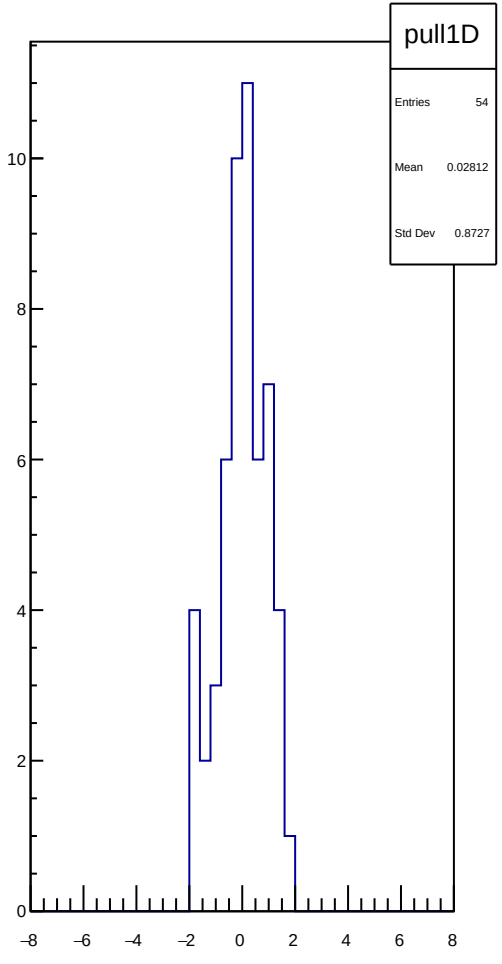

asym_sam_24_68_dd_eigen_cor_correction_rms vs run
χ² / ndf 6322 / 53
p0 2136 ± 2.082
2600
2500
2400
2300
2200
2100
2000
1900
1800
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

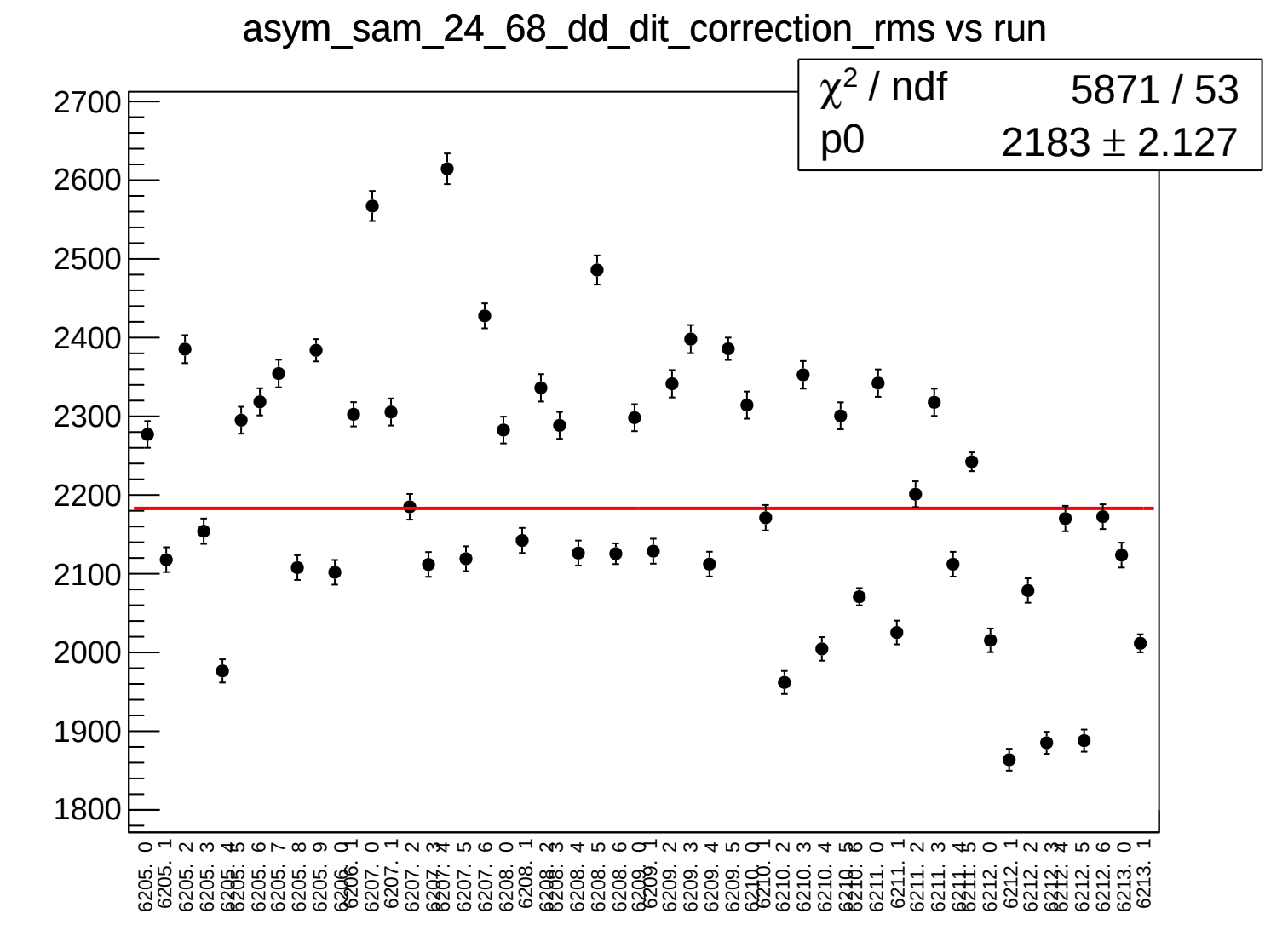

dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 47.67 / 53
p0 12.39 ± 147.5
6000
4000
2000
0
−2000
−4000
pull
Entries 54
Mean −128.2
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

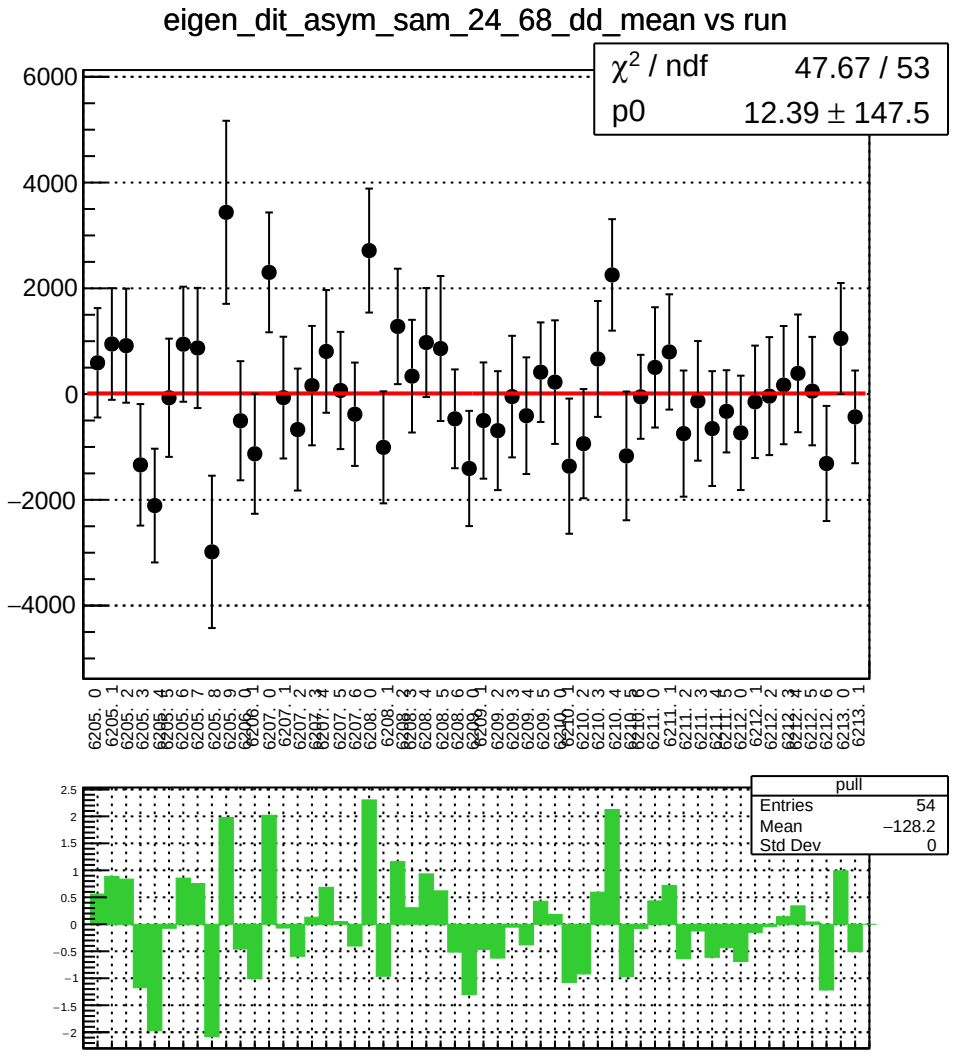

pull1D
Entries 54
Mean 0.0089
Std Dev 0.9395
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

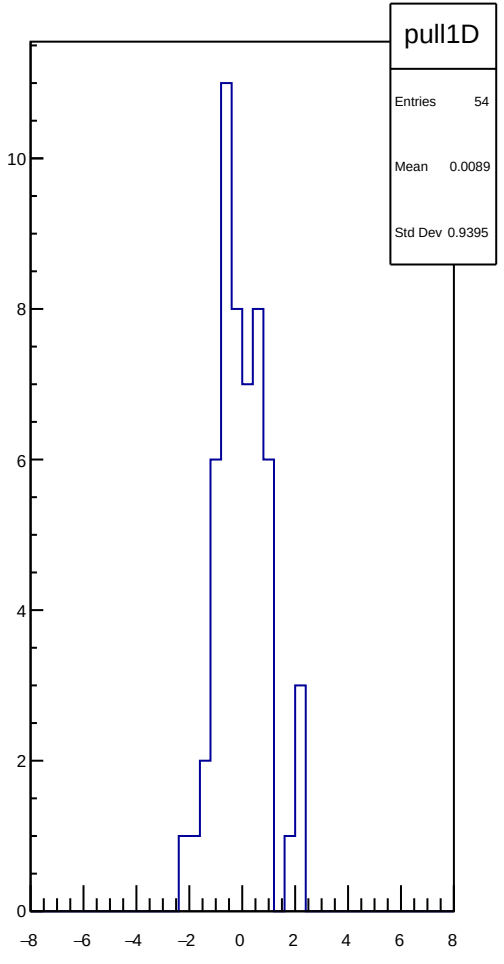

dit_asym_sam_24_68_dd_rms vs run
χ² / ndf 1.025e+04 / 53
p0 106.9 ± 0.1043
200
180
160
140
120
100

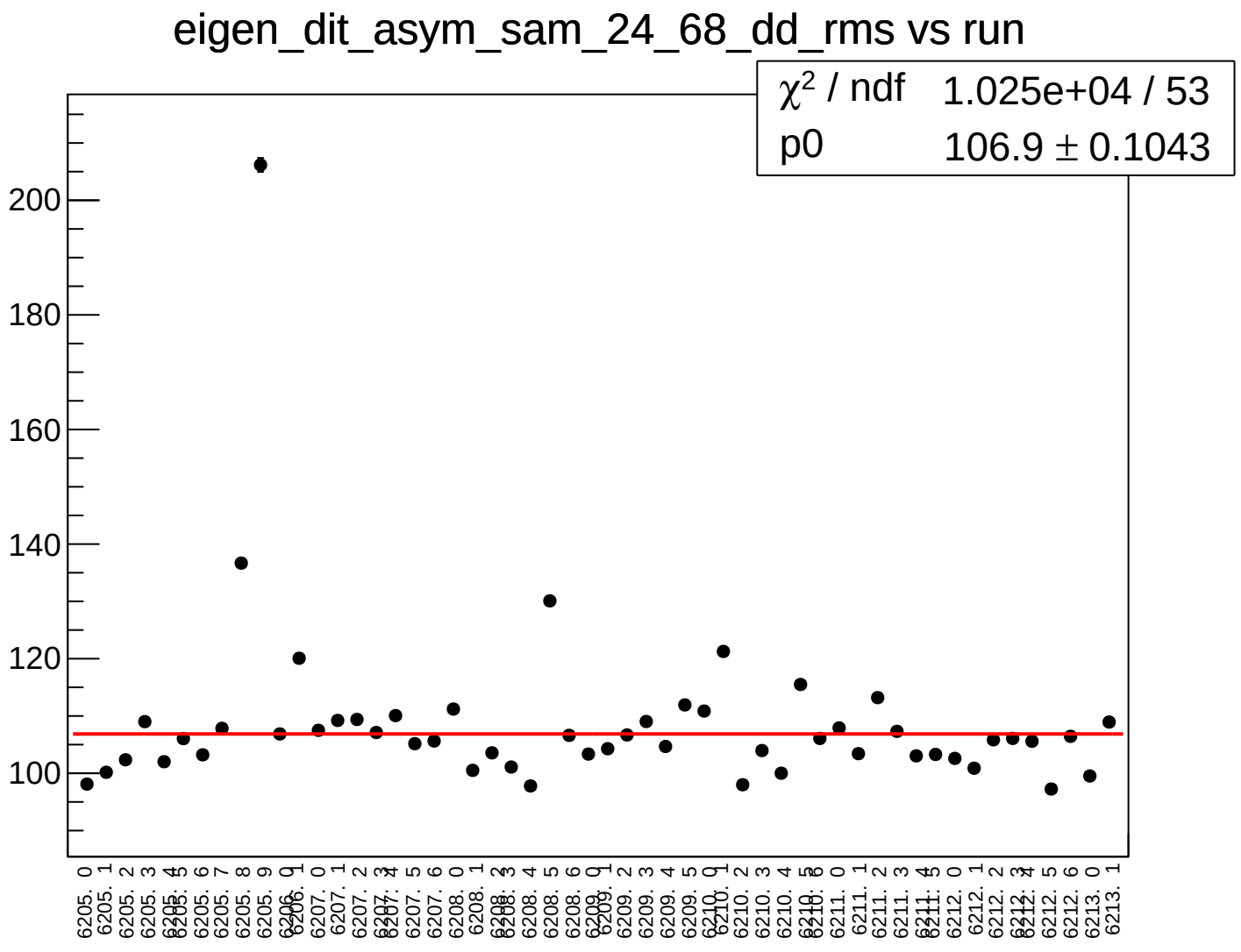

asym_sam_24_68_dd_dit_correction_mean vs run
χ² / ndf 41.17 / 53
p0 −17.74 ± 3008
pull
Entries 54
Mean 8.278
Std Dev 0


pull1D
Entries 54
Mean 0.02812
Std Dev 0.8727

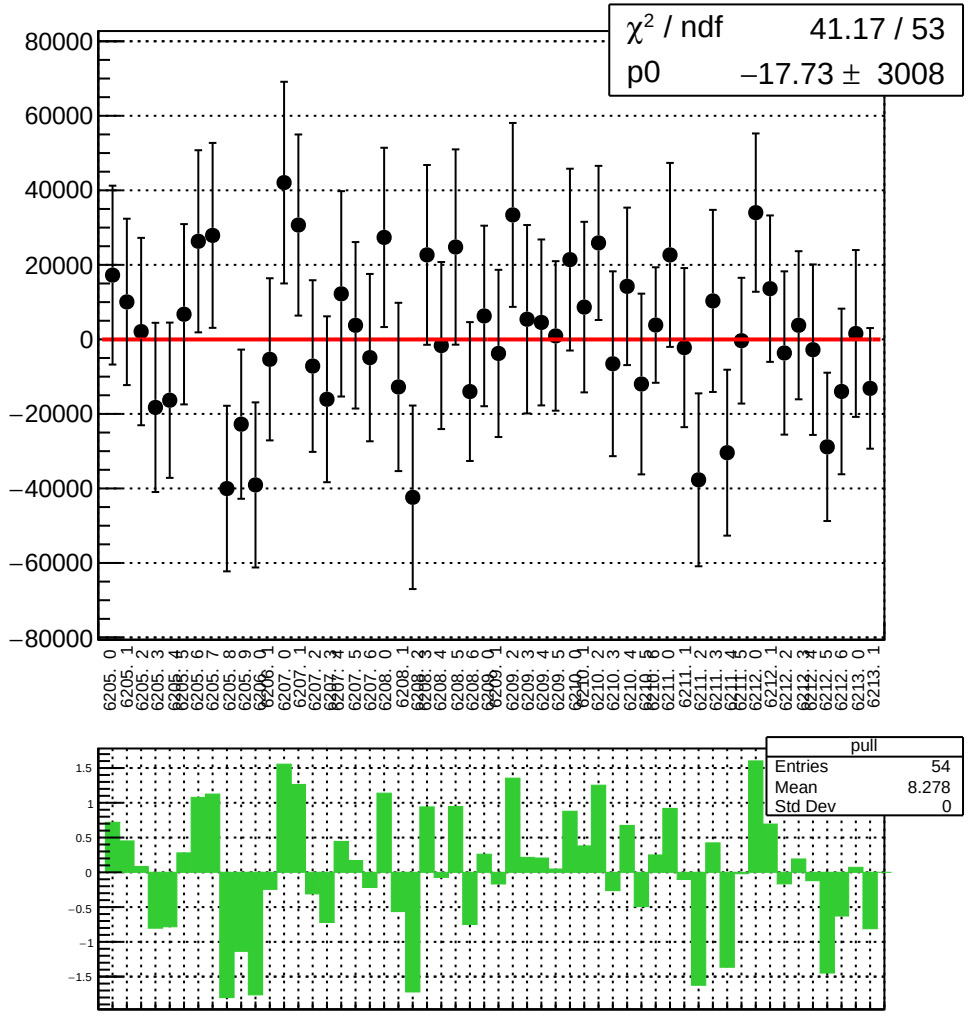

asym_sam_24_68_dd_dit_correction_rms vs run
χ² / ndf 5871 / 53
p0 2183 ± 2.127
2700
2600
2500
2400
2300
2200
2100
2000
1900
1800
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

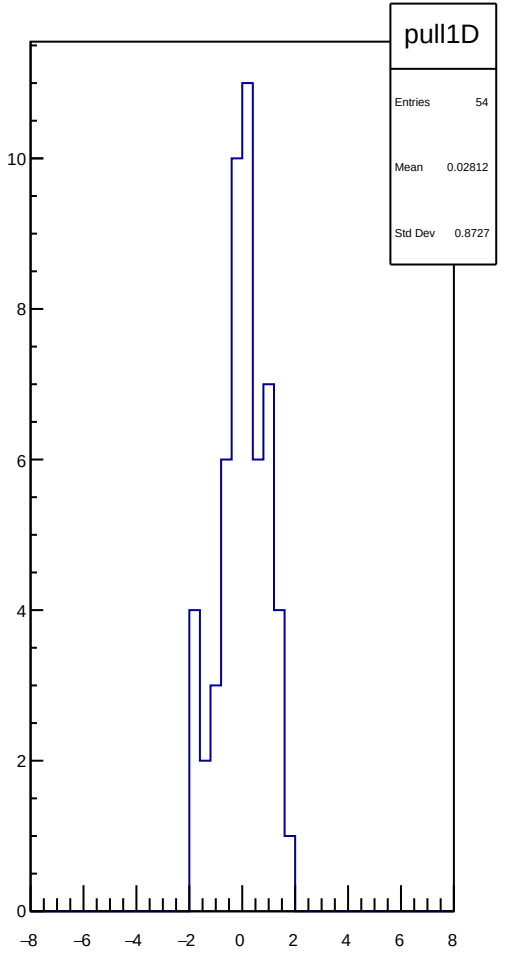

eigen_dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 47.67 / 53
p0 12.39 ± 147.5
pull
Entries 54
Mean −128.2
Std Dev 0

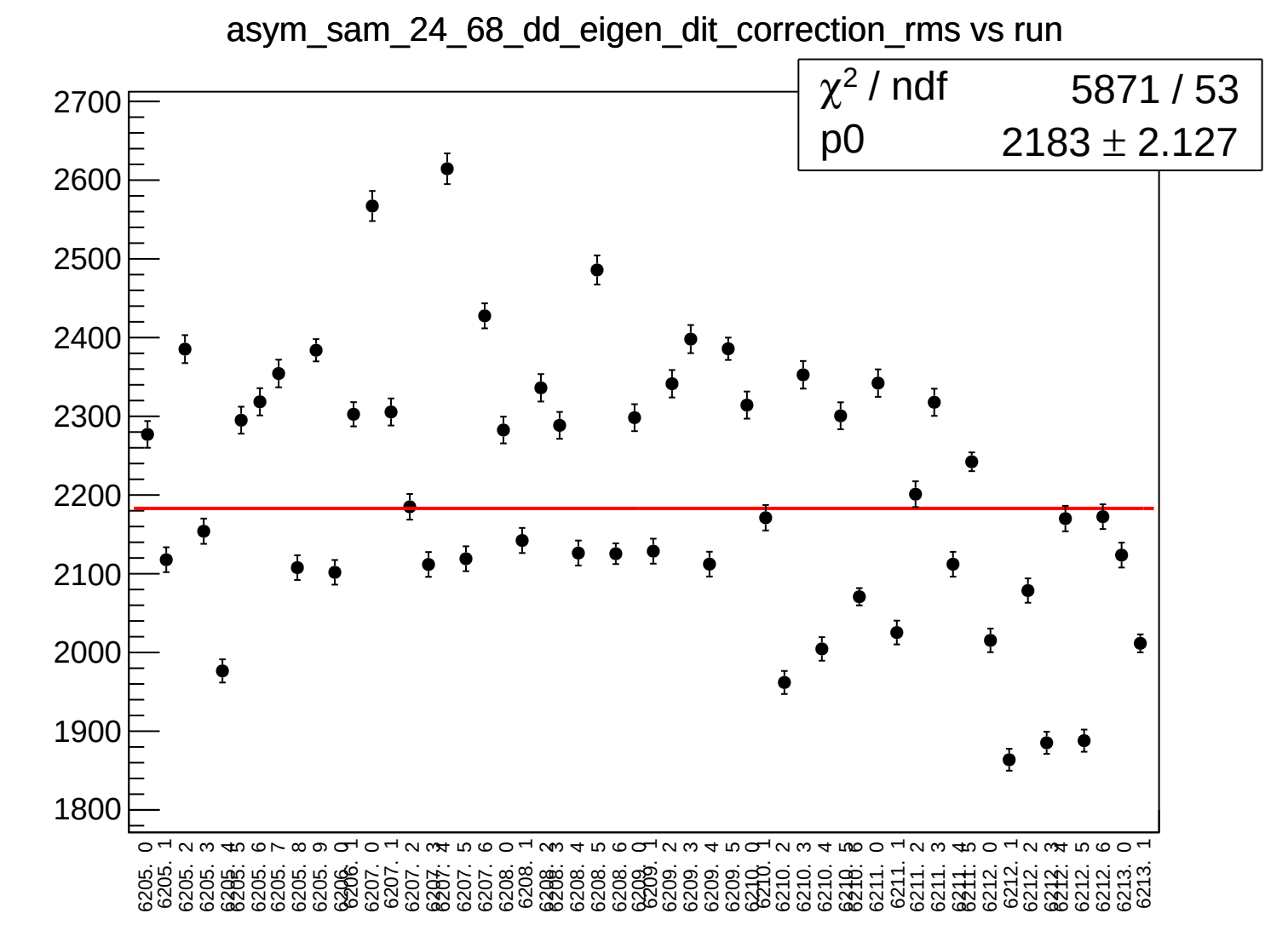

pull1D
Entries 54
Mean 0.0089
Std Dev 0.9395

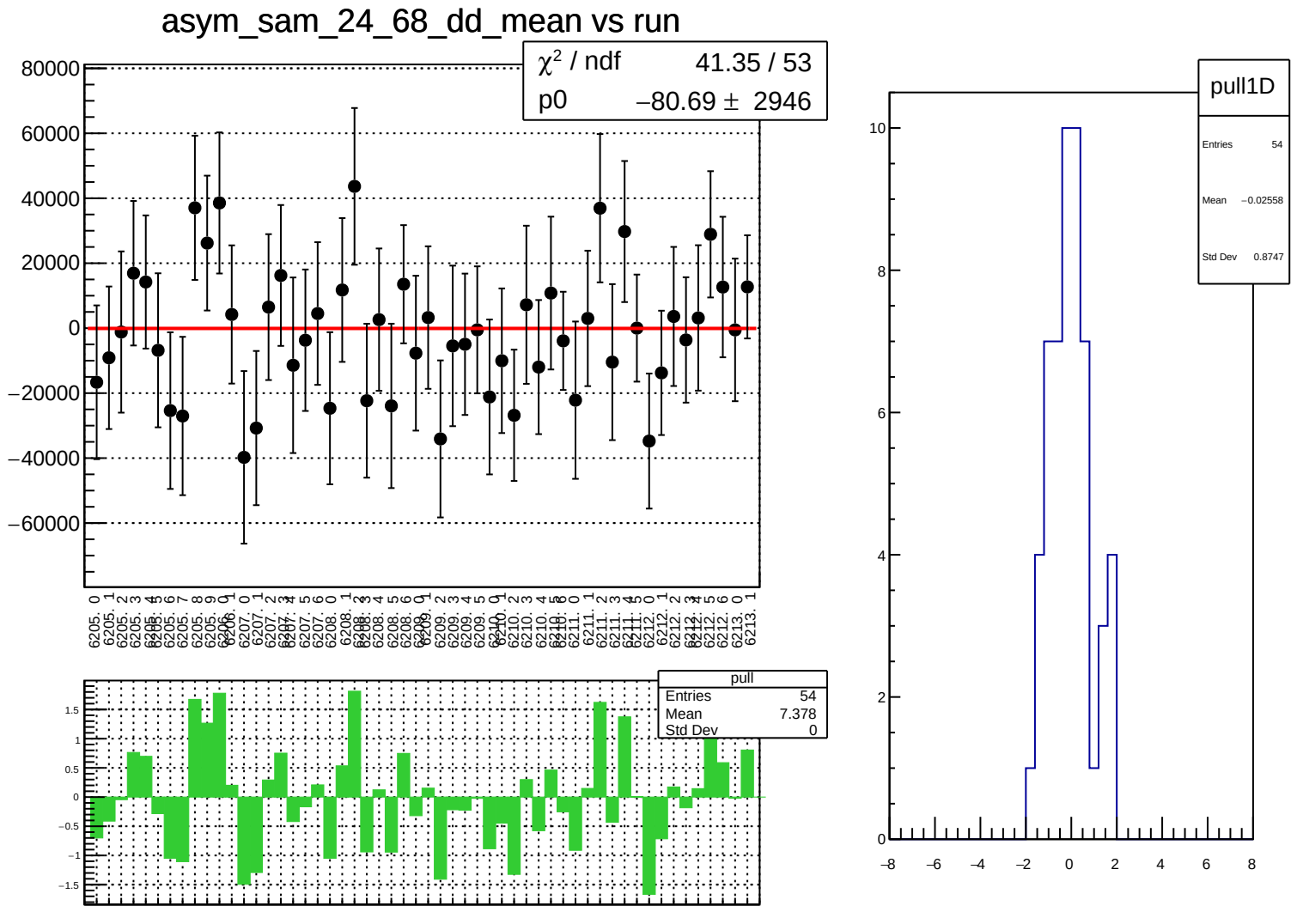

eigen_dit_asym_sam_24_68_dd_rms vs run
χ² / ndf 1.025e+04 / 53
p0 106.9 ± 0.1043
200
180
160
140
120
100
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

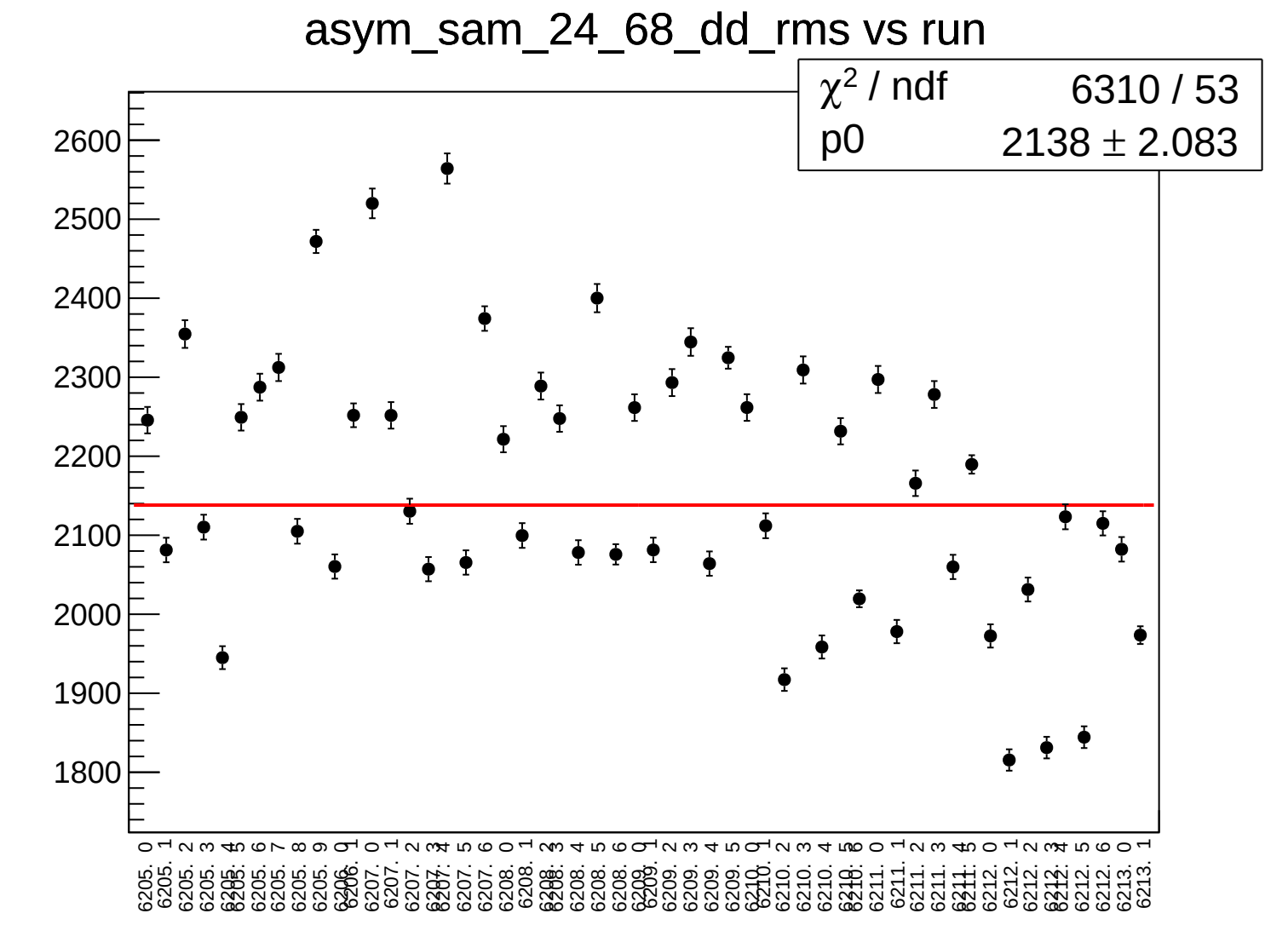
asym_sam_24_68_dd_eigen_dit_correction_mean vs run

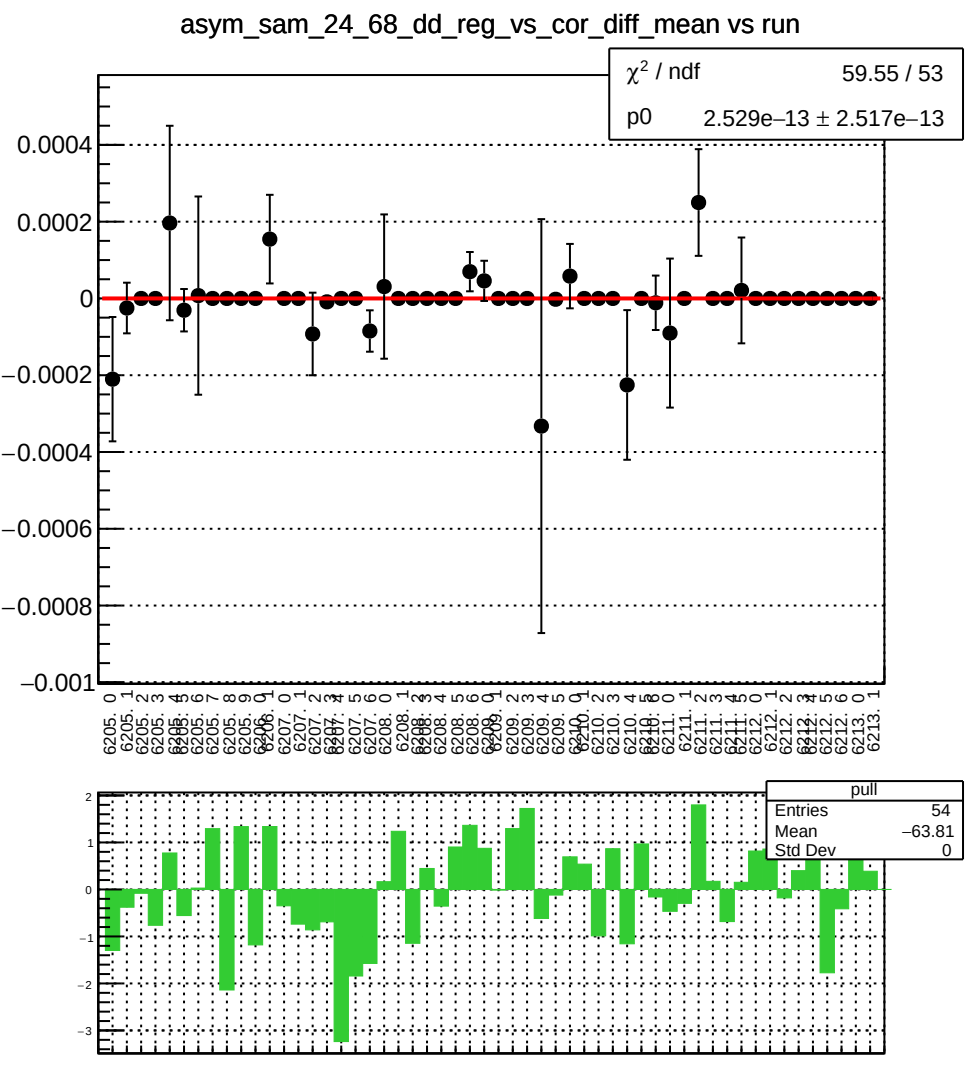


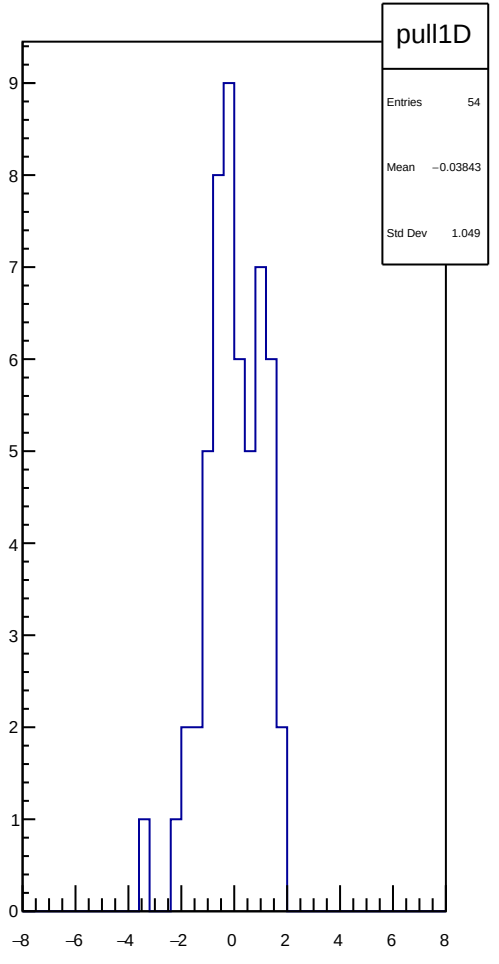


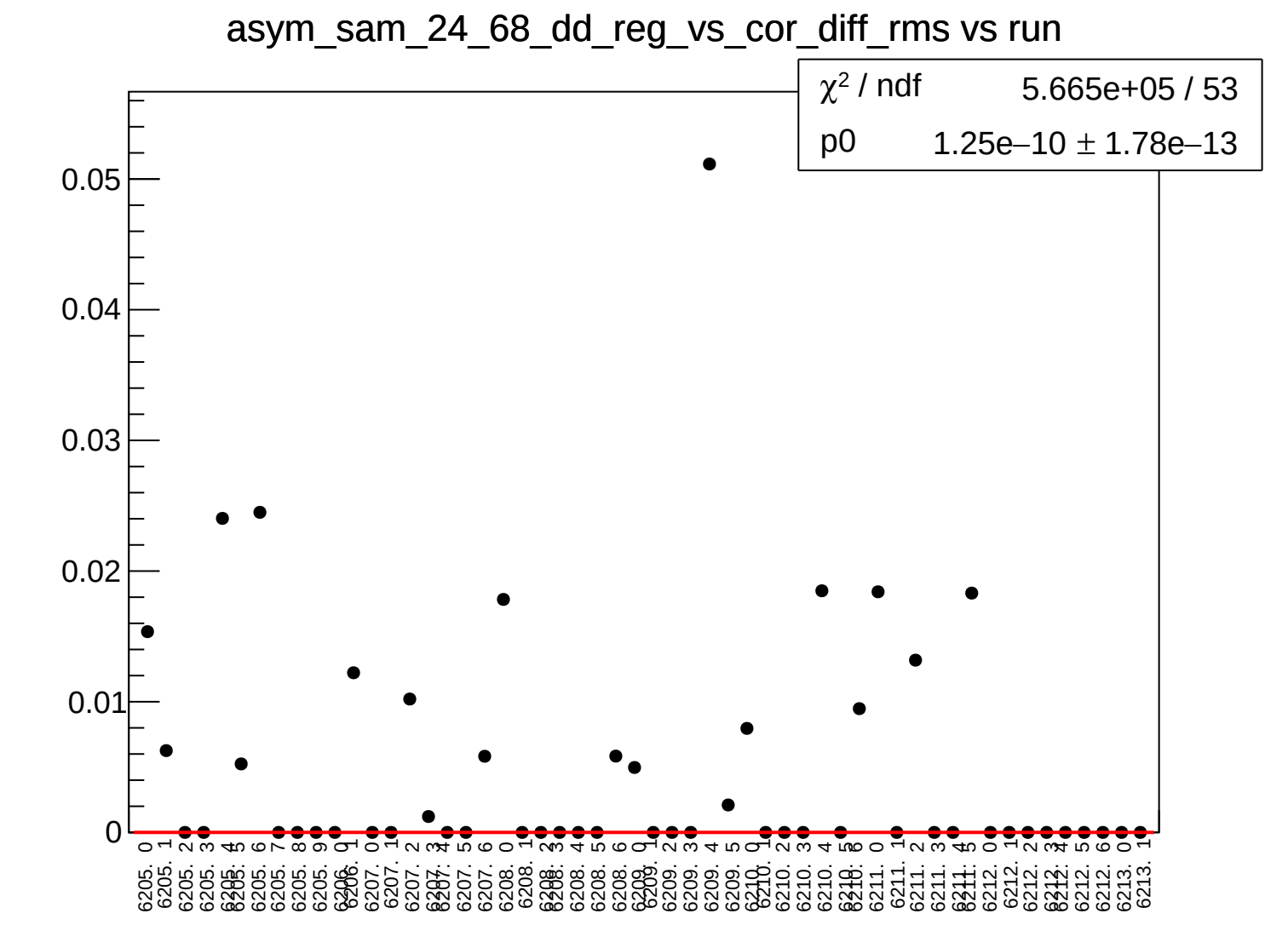

asym_sam_24_68_dd_eigen_dit_correction_rms vs run
χ² / ndf 5871 / 53
p0 2183 ± 2.127
2700
2600
2500
2400
2300
2200
2100
2000
1900
1800
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

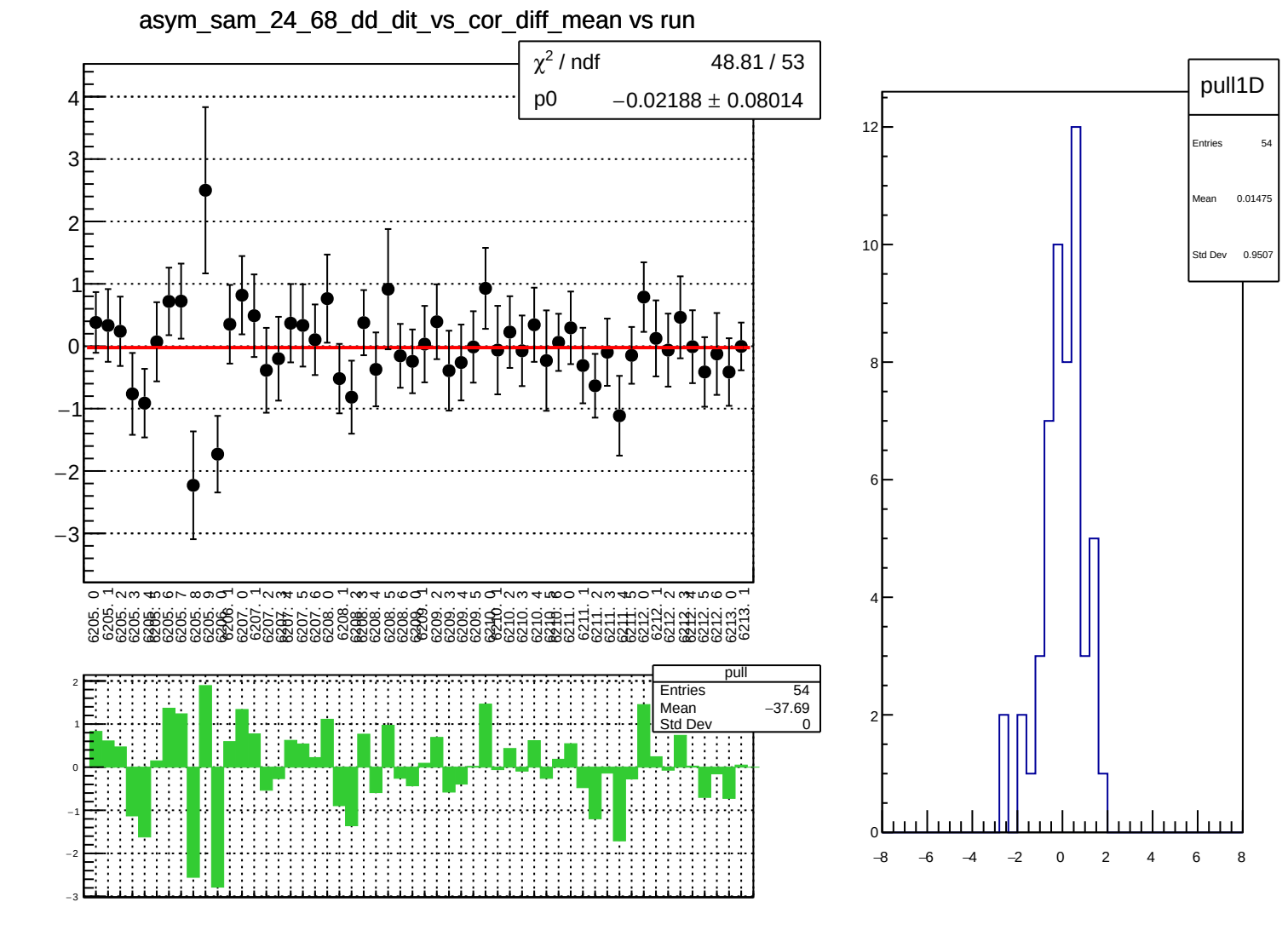

asym_sam_24_68_dd_mean vs run
χ² / ndf 41.35 / 53
p0 −80.69 ± 2946
pull
Entries 54
Mean 7.378
Std Dev 0
pull1D
Entries 54
Mean −0.02558
Std Dev 0.8747

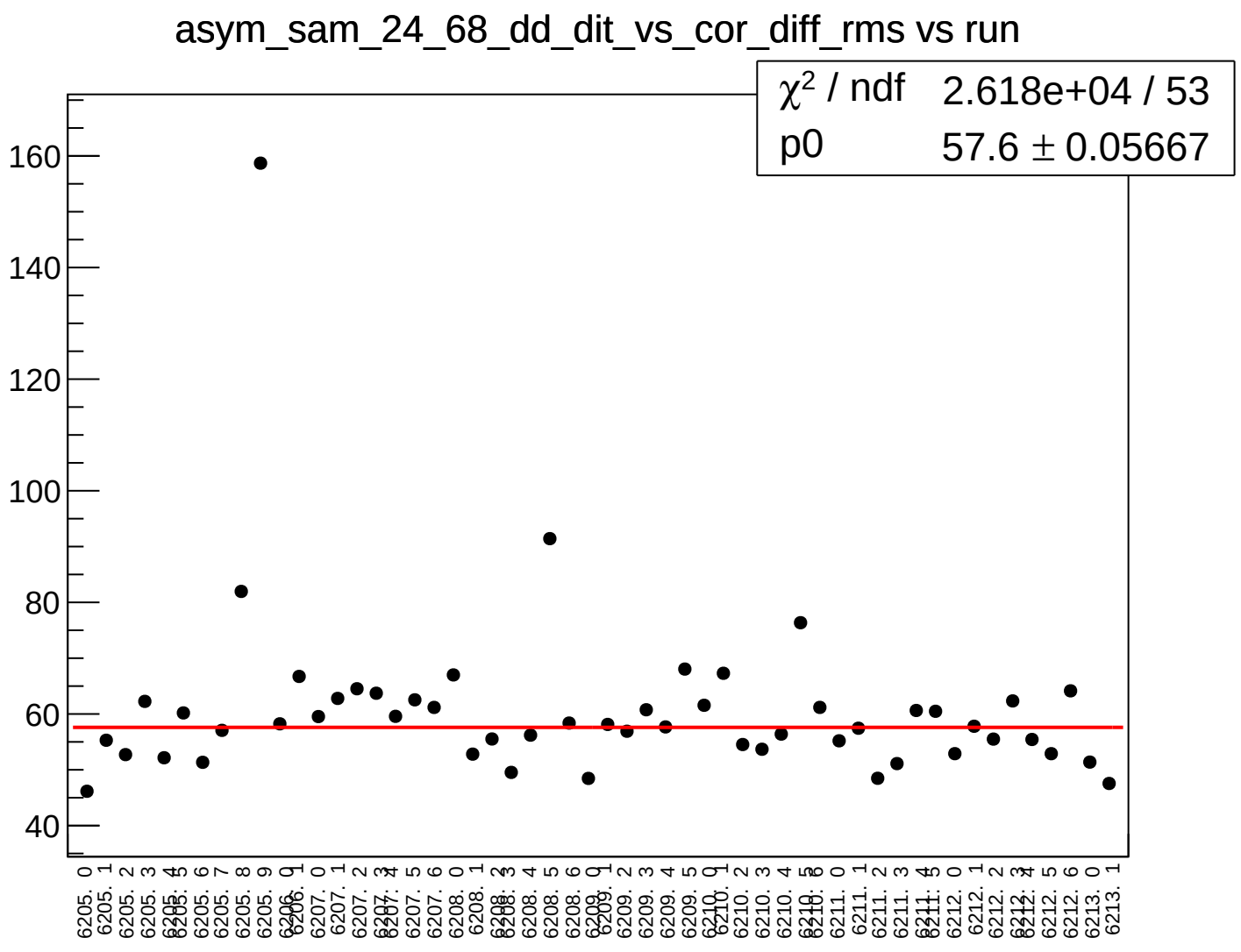

asym_sam_24_68_dd_rms vs run
χ² / ndf 6310 / 53
p0 2138 ± 2.083
2600
2500
2400
2300
2200
2100
2000
1900
1800
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

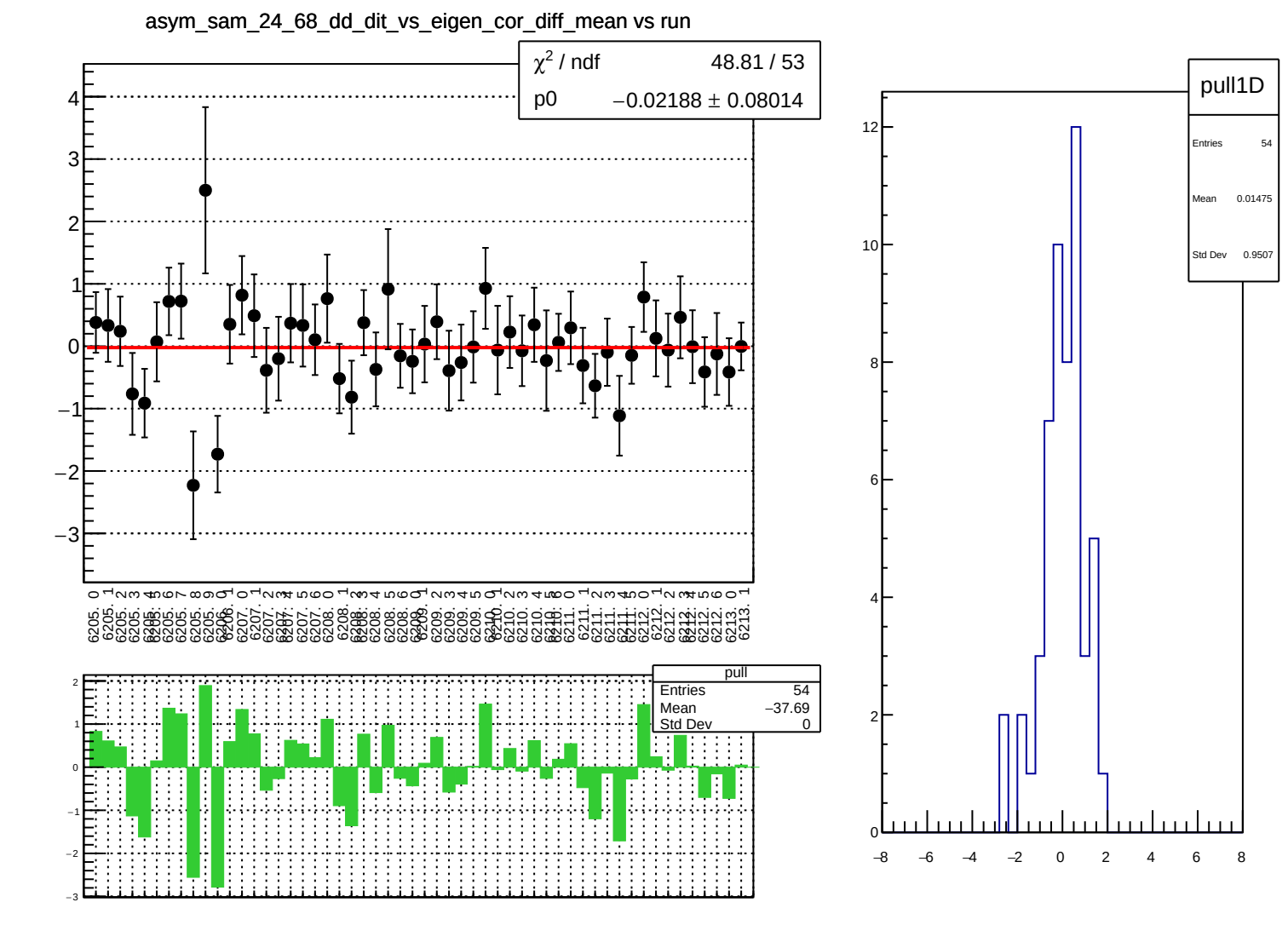

asym_sam_24_68_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 59.55 / 53
p0 2.529e−13 ± 2.517e−13
0.0004
0.0002
0
−0.0002
−0.0004
−0.0006
−0.0008
−0.001
pull
Entries 54
Mean −63.81
Std Dev 0
2
1
0
−1
−2
−3

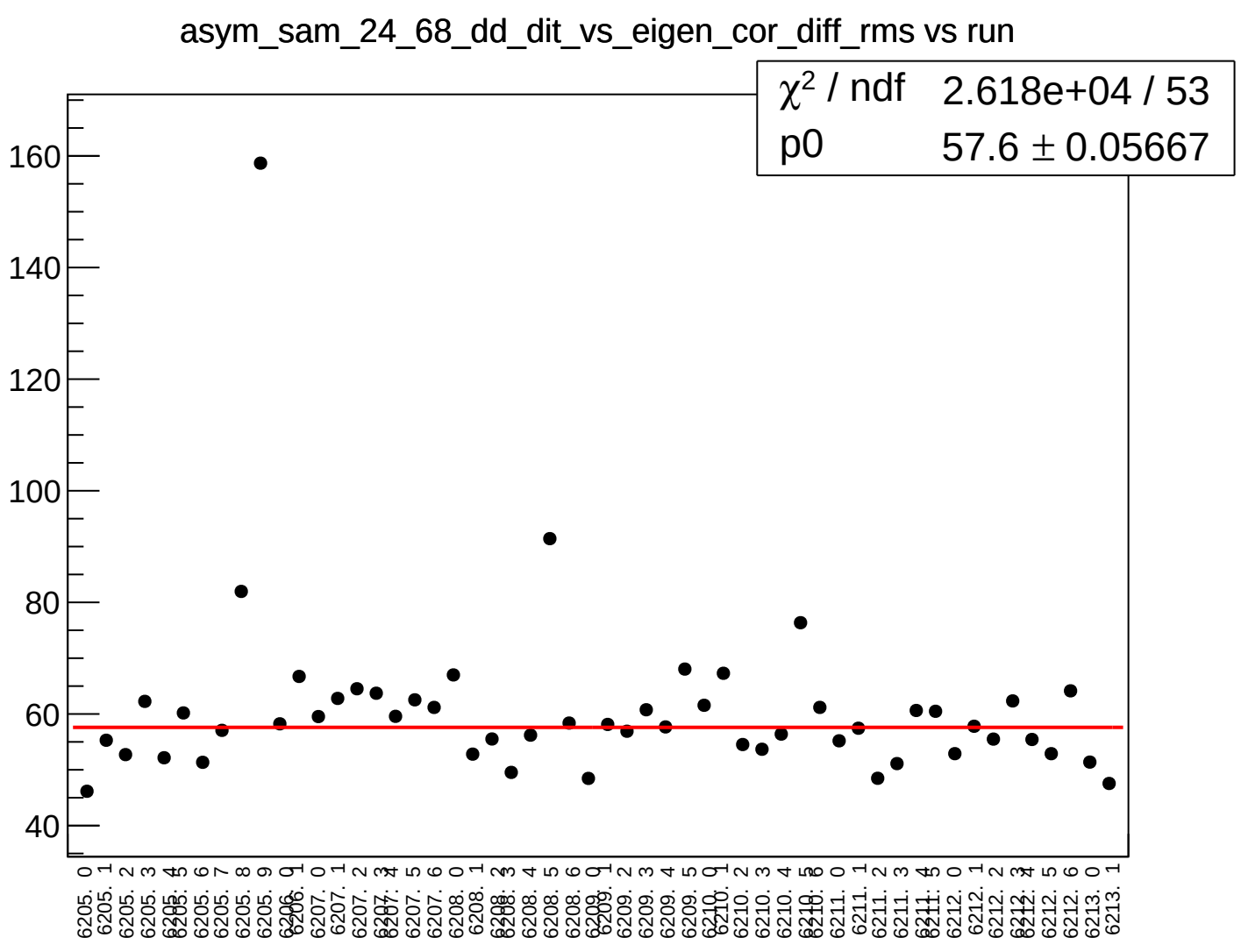

pull1D
Entries 54
Mean −0.03843
Std Dev 1.049
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_24_68_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.665e+05 / 53
p0 1.25e−10 ± 1.78e−13
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 48.81 / 53
p0 −0.02188 ± 0.08014
pull
Entries 54
Mean −37.69
Std Dev 0
pull1D
Entries 54
Mean 0.01475
Std Dev 0.9507


asym_sam_24_68_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.618e+04 / 53
p0 57.6 ± 0.05667
160
140
120
100
80
60
40
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_sam_24_68_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 48.81 / 53
p0 −0.02188 ± 0.08014
pull
Entries 54
Mean −37.69
Std Dev 0
pull1D
Entries 54
Mean 0.01475
Std Dev 0.9507


asym_sam_24_68_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.618e+04 / 53
p0 57.6 ± 0.05667
160
140
120
100
80
60
40
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
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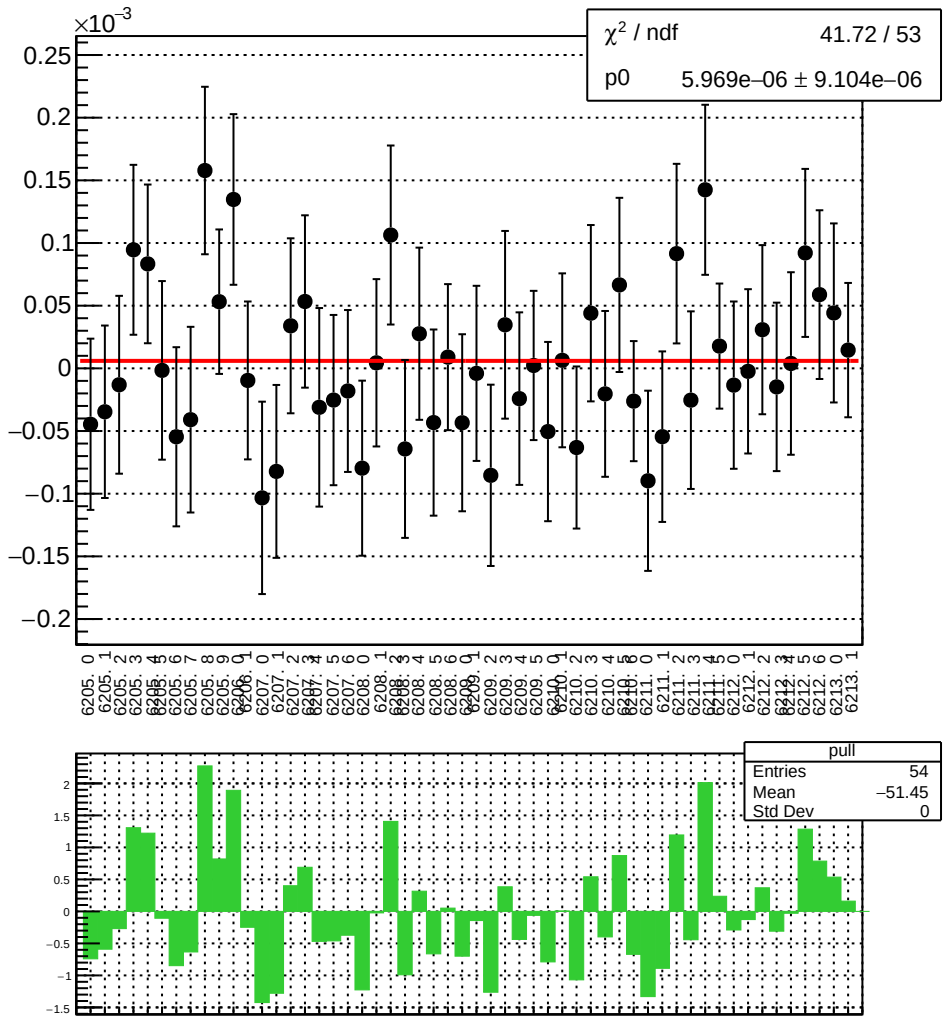
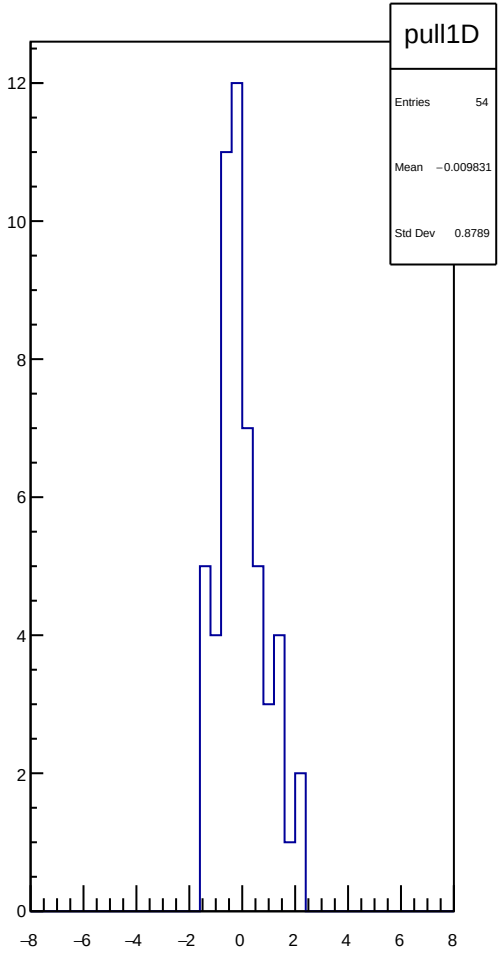
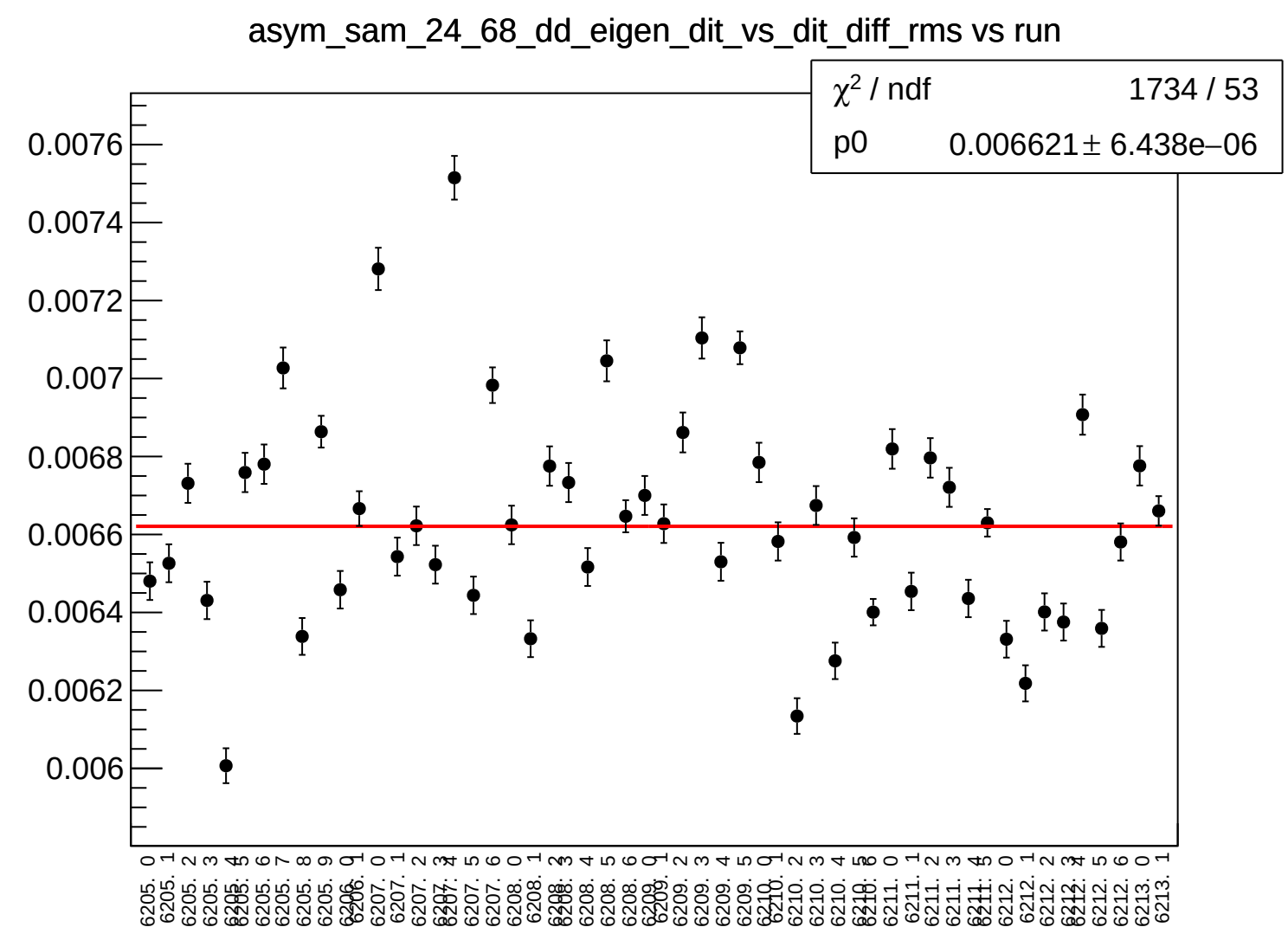
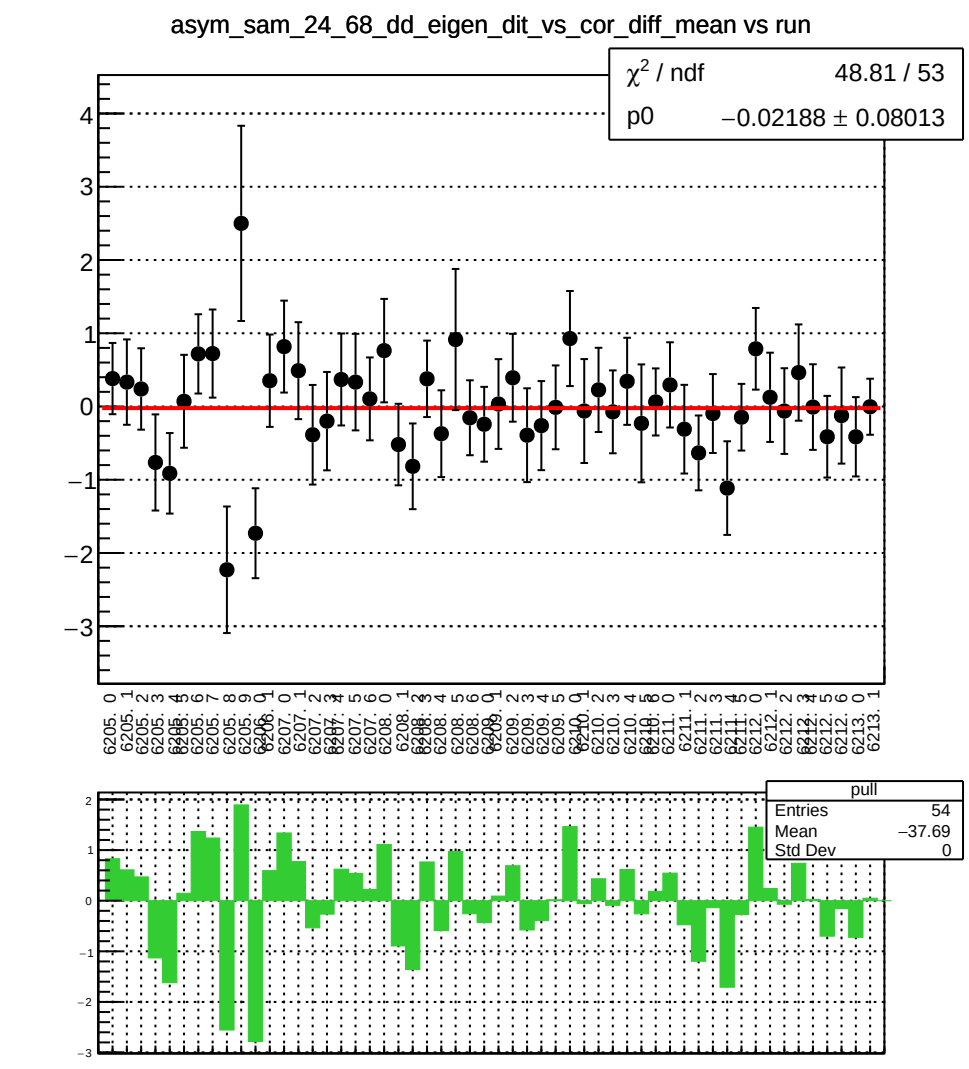
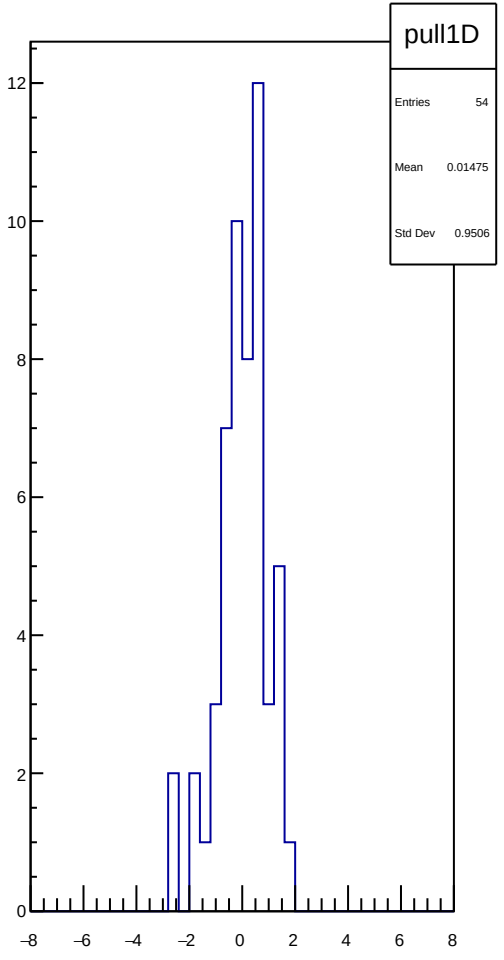
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

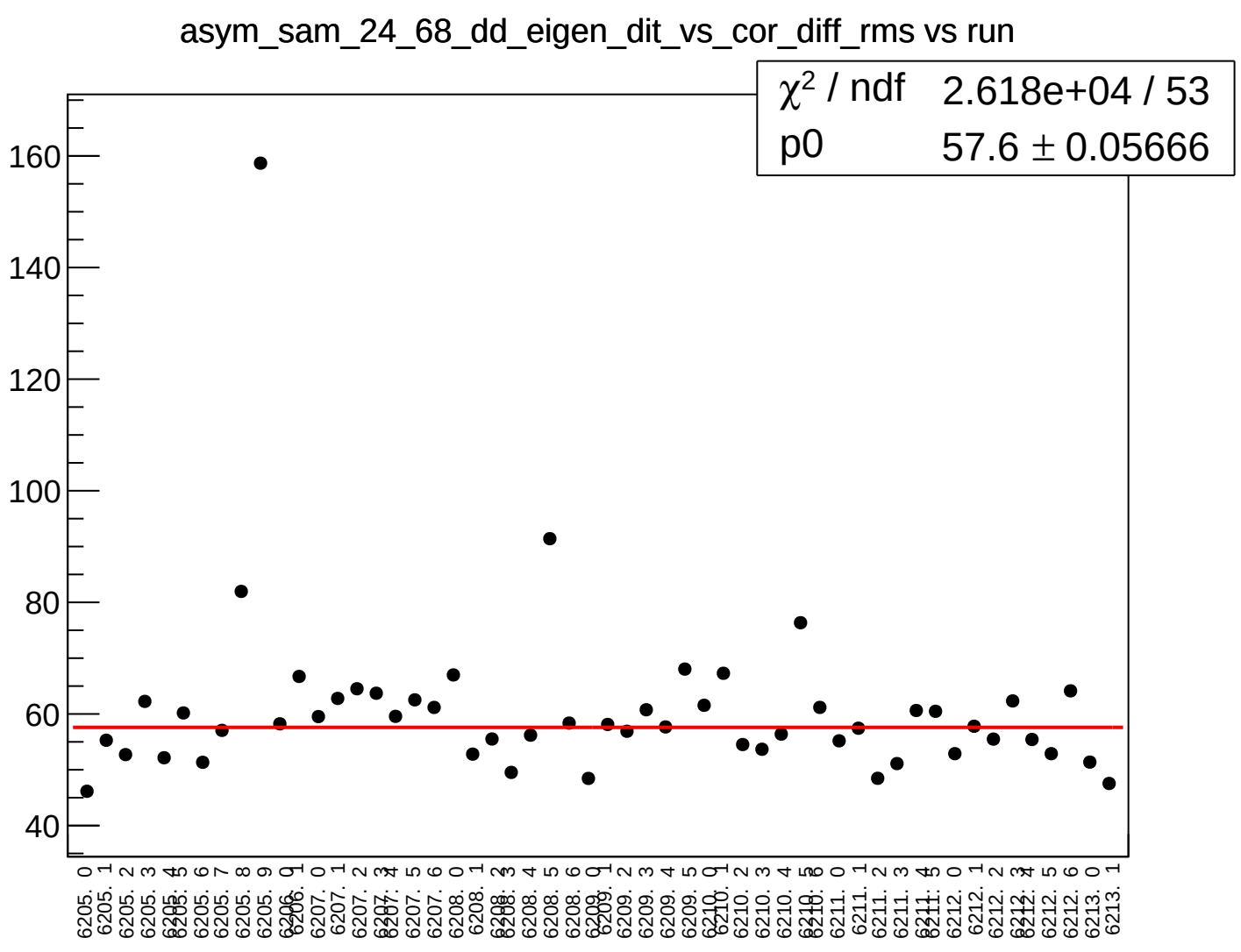

asym_sam_24_68_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 41.72 / 53
p0 5.969e−06 ± 9.104e−06
pull
Entries 54
Mean −51.45
Std Dev 0


pull1D
Entries 54
Mean −0.009831
Std Dev 0.8789

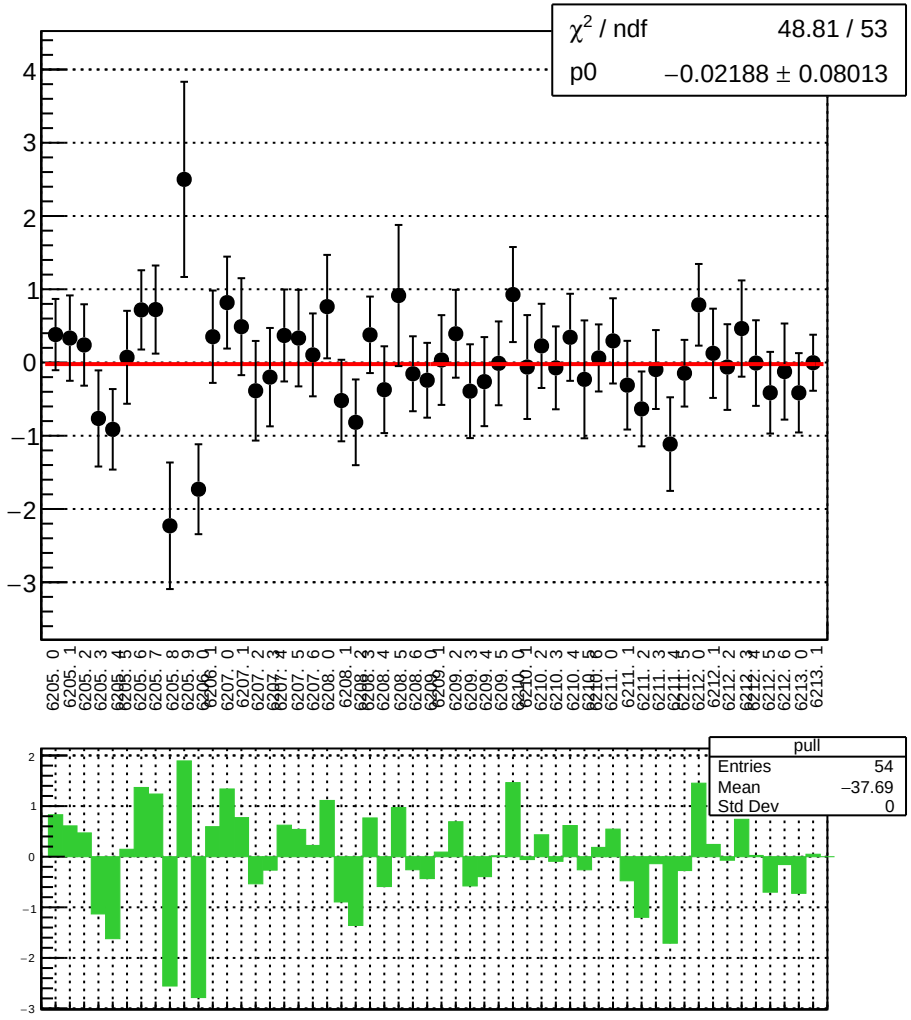

asym_sam_24_68_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1734 / 53
p0 0.006621 ± 6.438e−06
0.0076
0.0074
0.0072
0.007
0.0068
0.0066
0.0064
0.0062
0.006

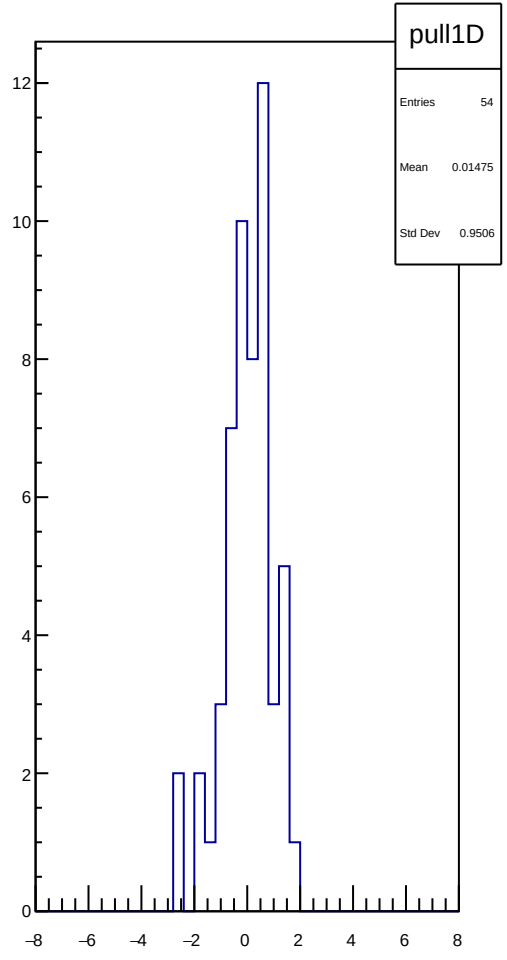

asym_sam_24_68_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 48.81 / 53
p0 −0.02188 ± 0.08013
pull
Entries 54
Mean −37.69
Std Dev 0

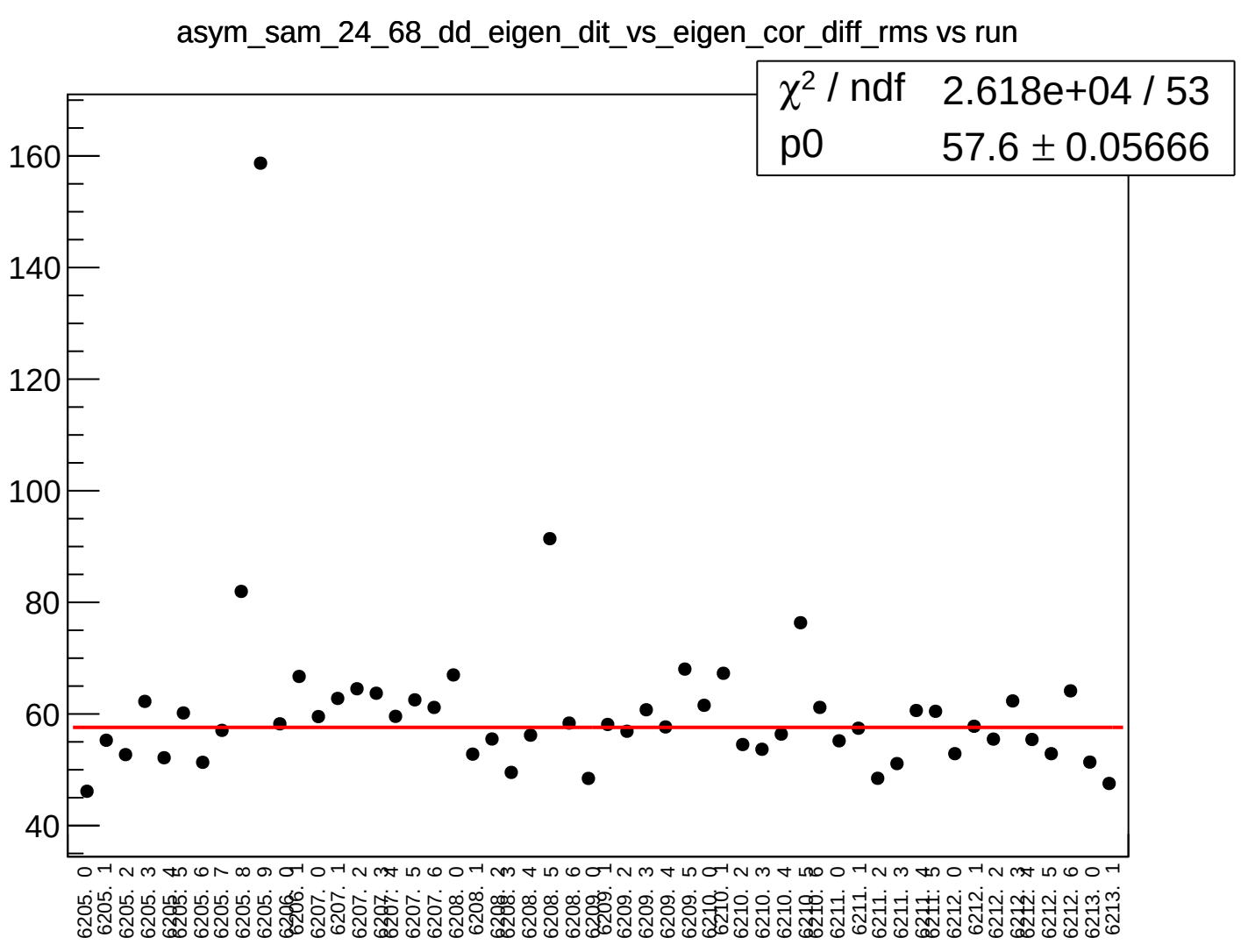

pull1D
Entries 54
Mean 0.01475
Std Dev 0.9506

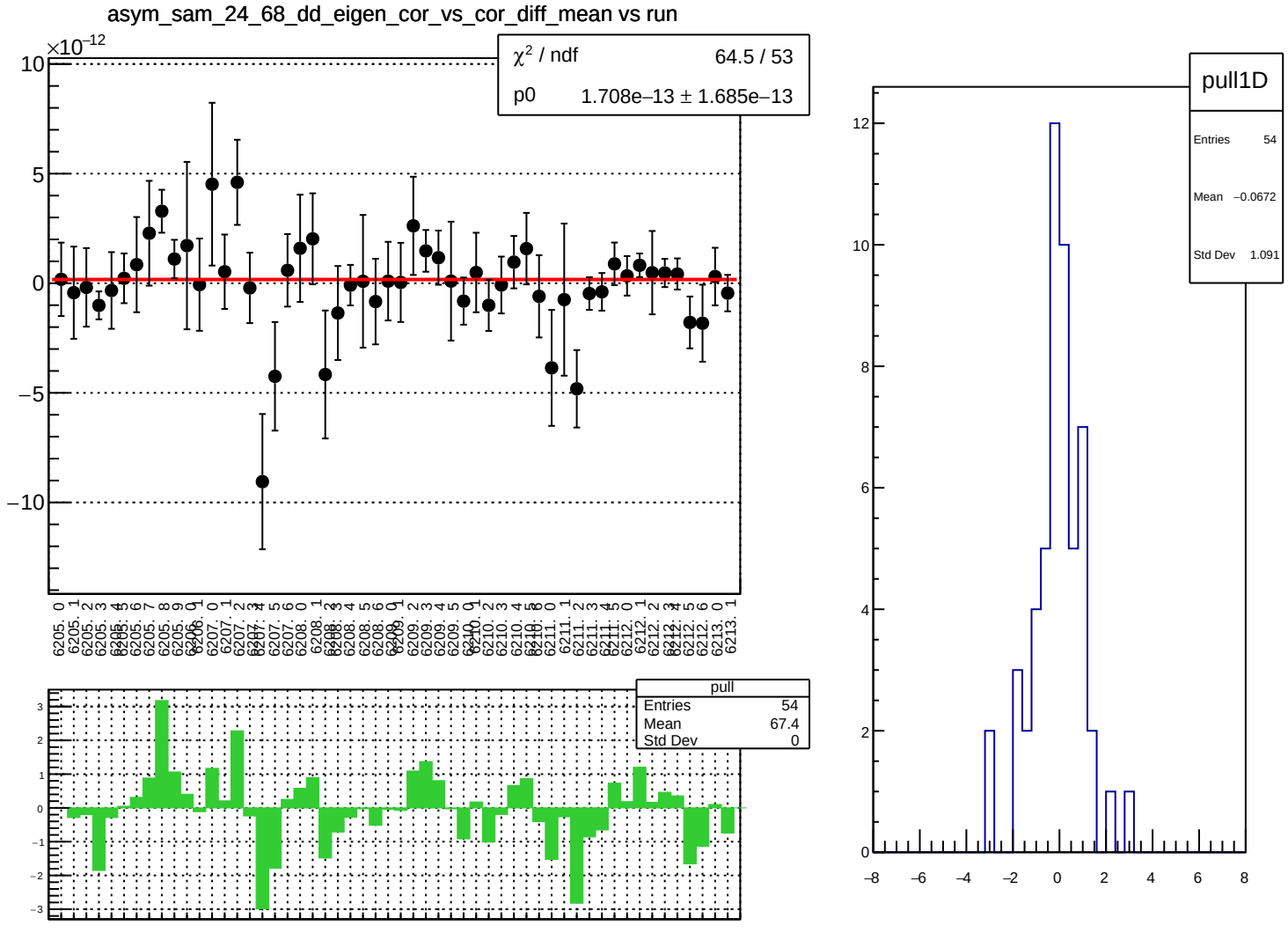

asym_sam_24_68_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.618e+04 / 53
p0 57.6 ± 0.05666
160
140
120
100
80
60
40
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

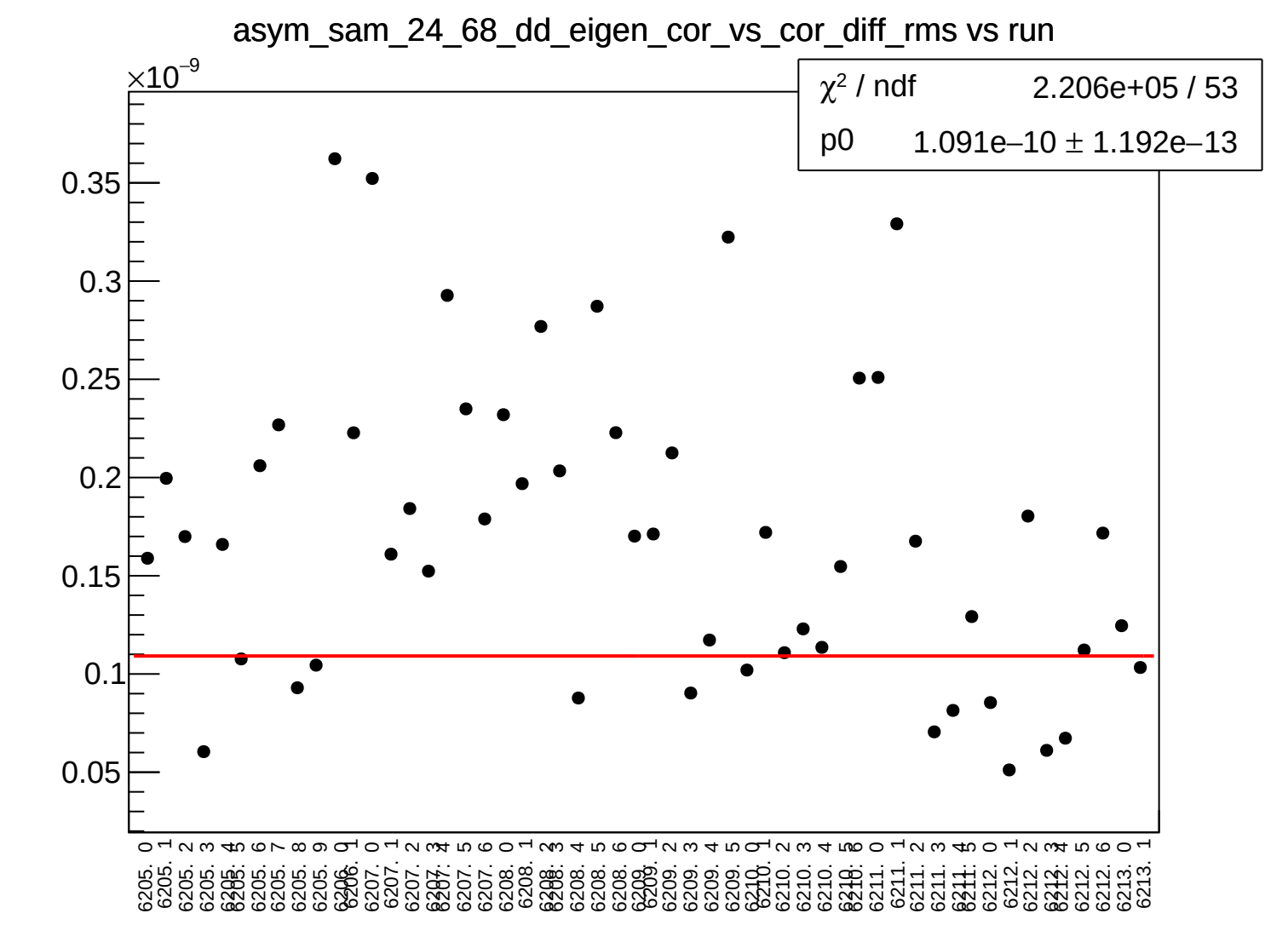
asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_mean vs run

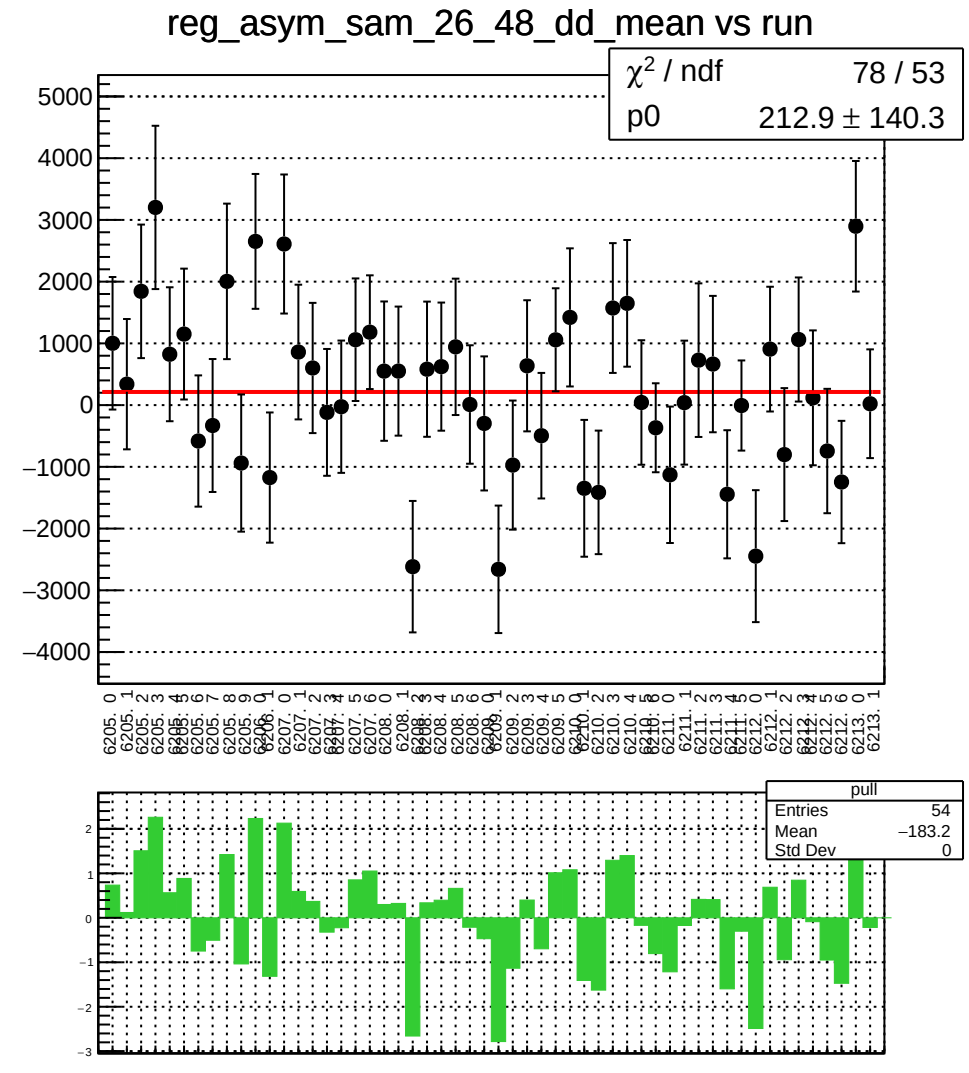


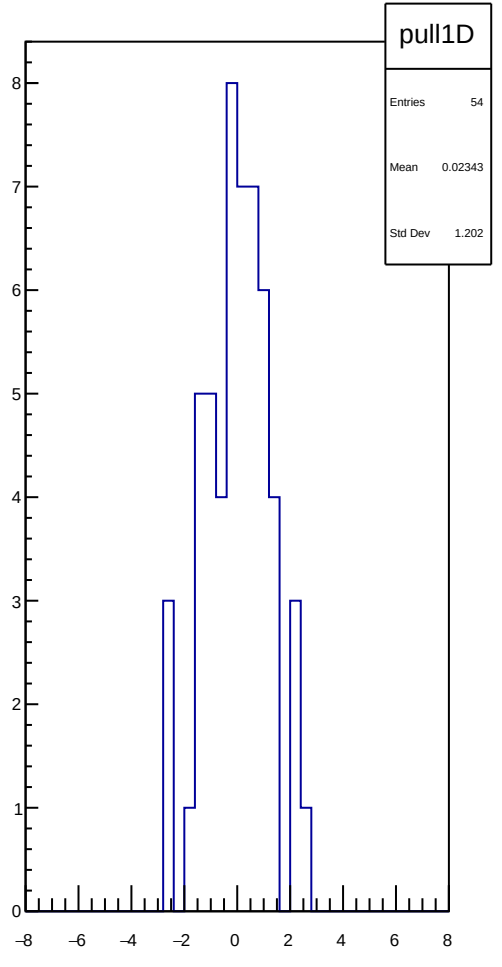


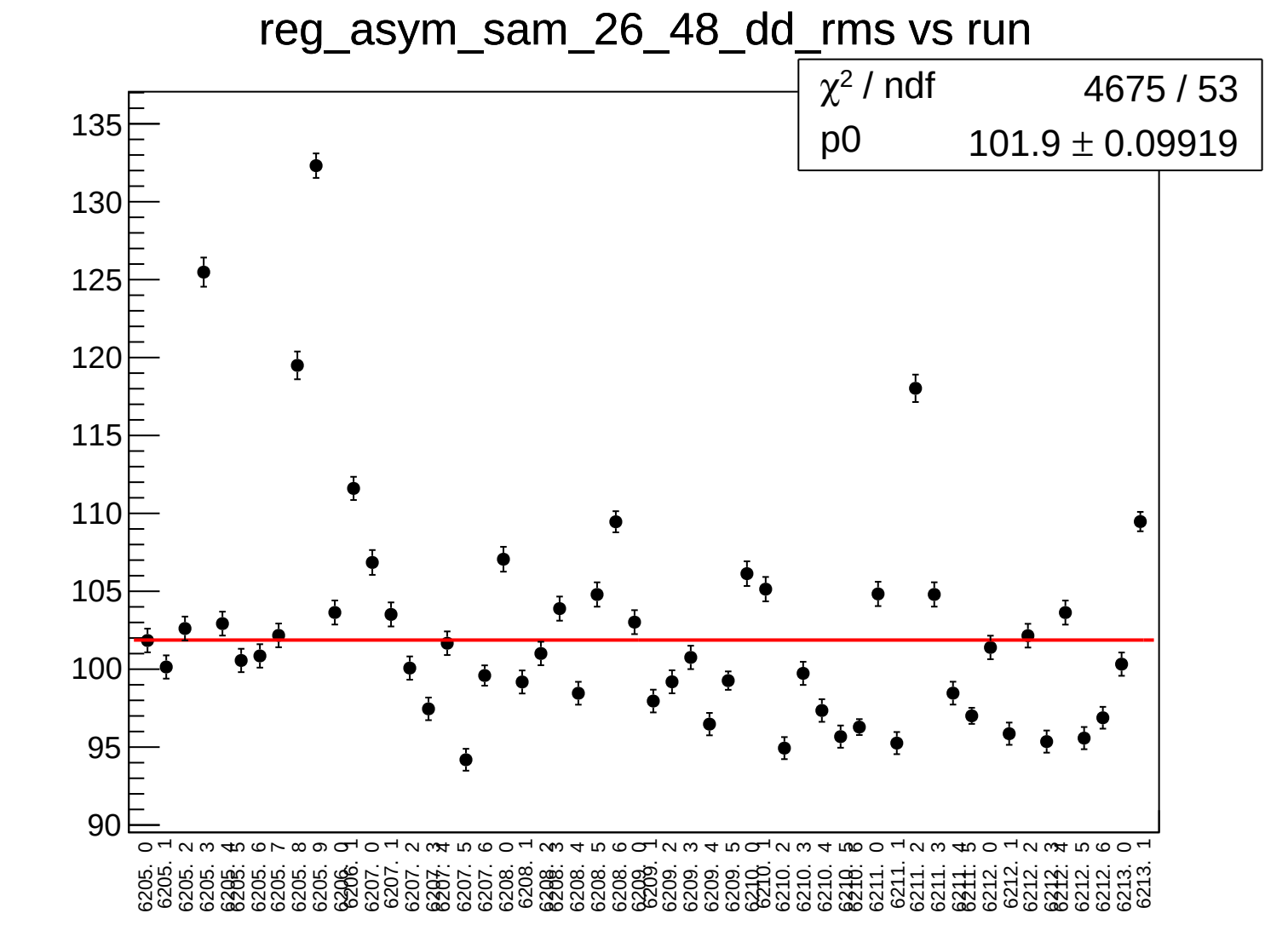

asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.618e+04 / 53
p0 57.6 ± 0.05666
160
140
120
100
80
60
40
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

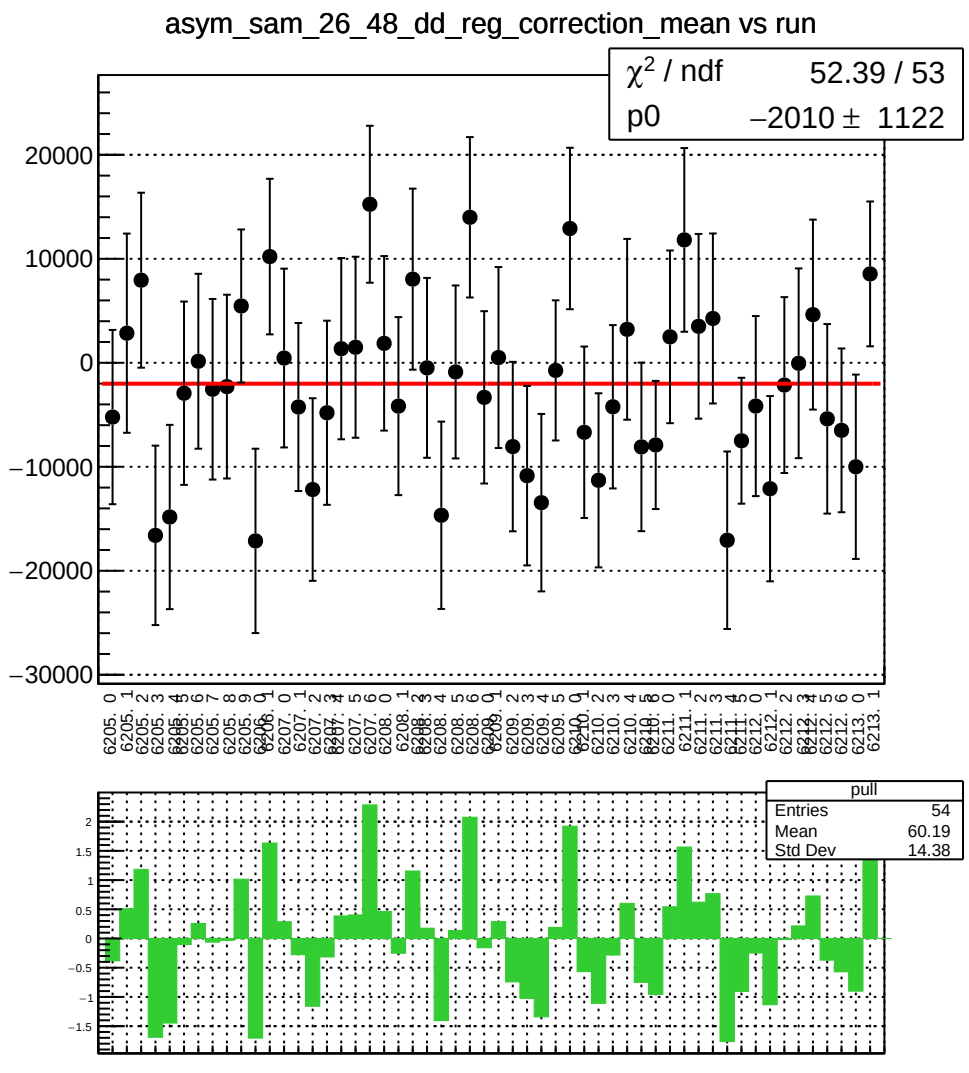

asym_sam_24_68_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 64.5 / 53
p0 1.708e−13 ± 1.685e−13
pull
Entries 54
Mean 67.4
Std Dev 0
pull1D
Entries 54
Mean −0.0672
Std Dev 1.091

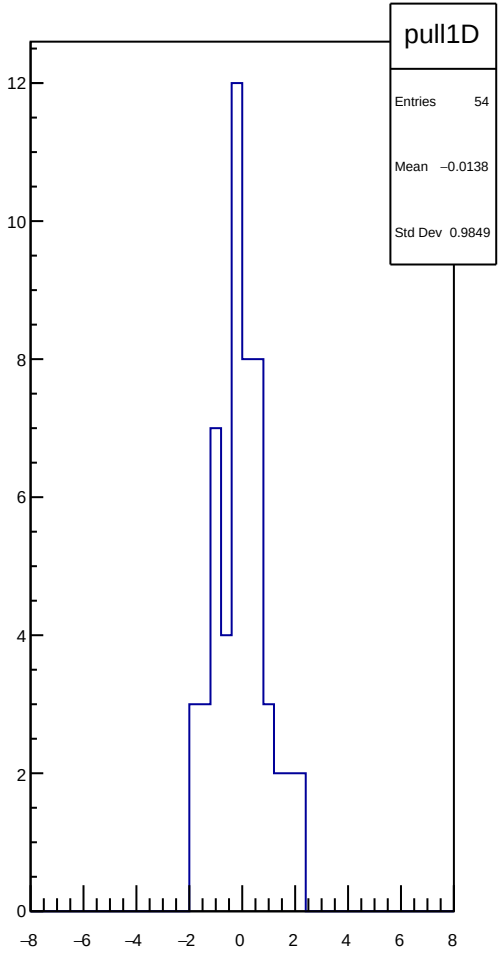

asym_sam_24_68_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.206e+05 / 53
p0 1.091e−10 ± 1.192e−13
0.35
0.3
0.25
0.2
0.15
0.1
0.05
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

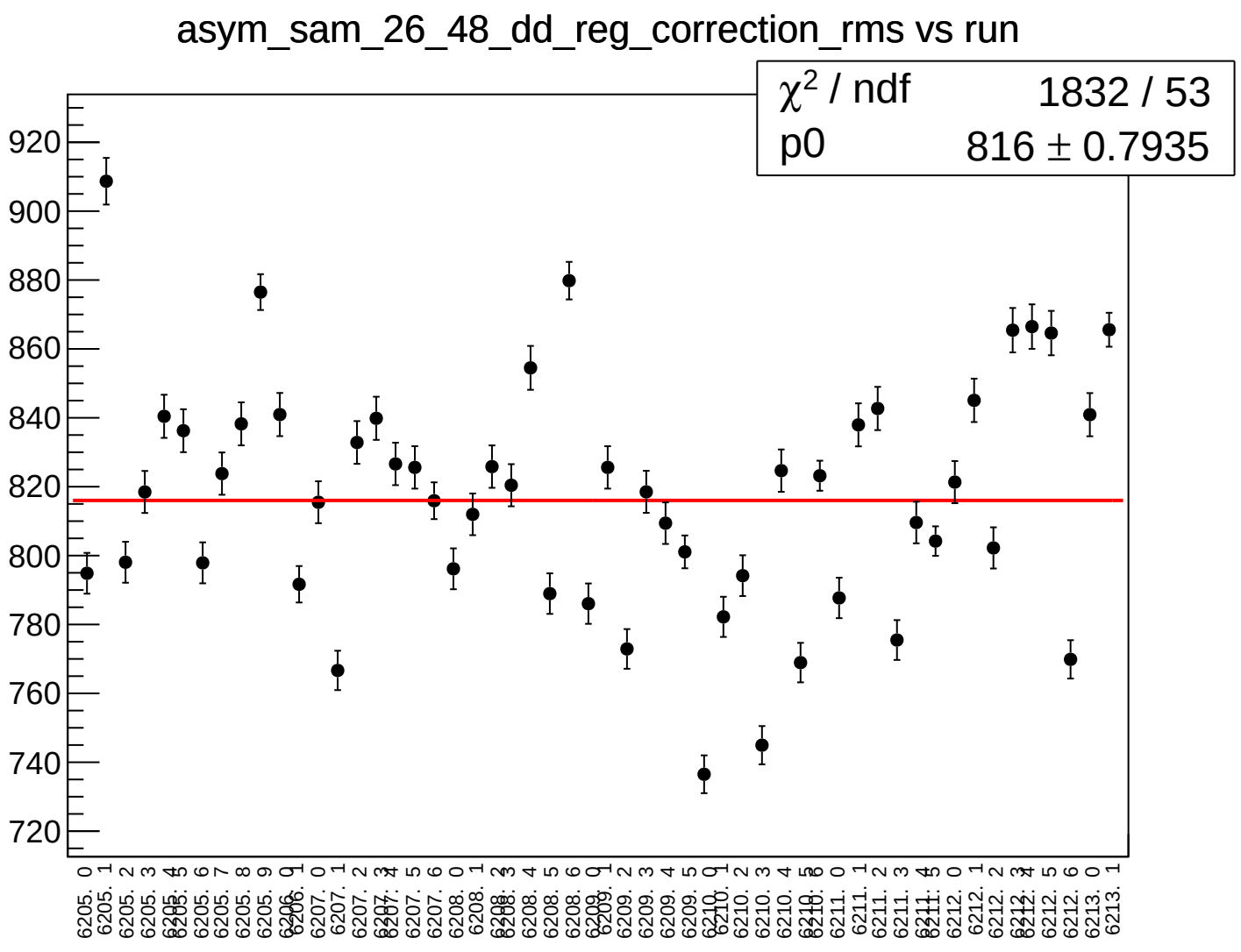

reg_asym_sam_26_48_dd_mean vs run
χ² / ndf 78 / 53
p0 212.9 ± 140.3
pull
Entries 54
Mean −183.2
Std Dev 0


pull1D
Entries 54
Mean 0.02343
Std Dev 1.202


reg_asym_sam_26_48_dd_rms vs run
χ² / ndf 4675 / 53
p0 101.9 ± 0.09919
135
130
125
120
115
110
105
100
95
90
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1


asym_sam_26_48_dd_reg_correction_mean vs run
χ² / ndf 52.39 / 53
p0 −2010 ± 1122
20000
10000
0
−10000
−20000
−30000
pull
Entries 54
Mean 60.19
Std Dev 14.38
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 54
Mean −0.0138
Std Dev 0.9849
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_26_48_dd_reg_correction_rms vs run
χ² / ndf 1832 / 53
p0 816 ± 0.7935
920
900
880
860
840
820
800
780
760
740
720
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
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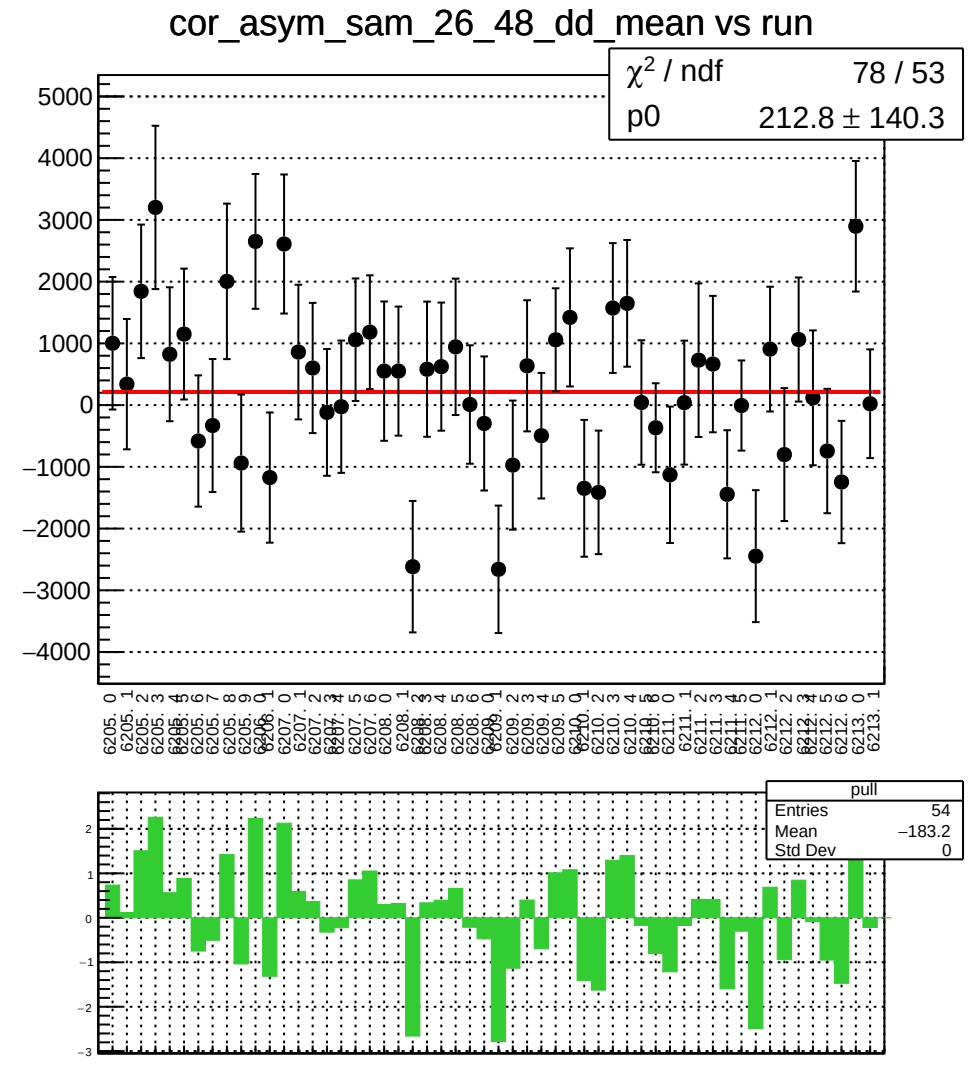
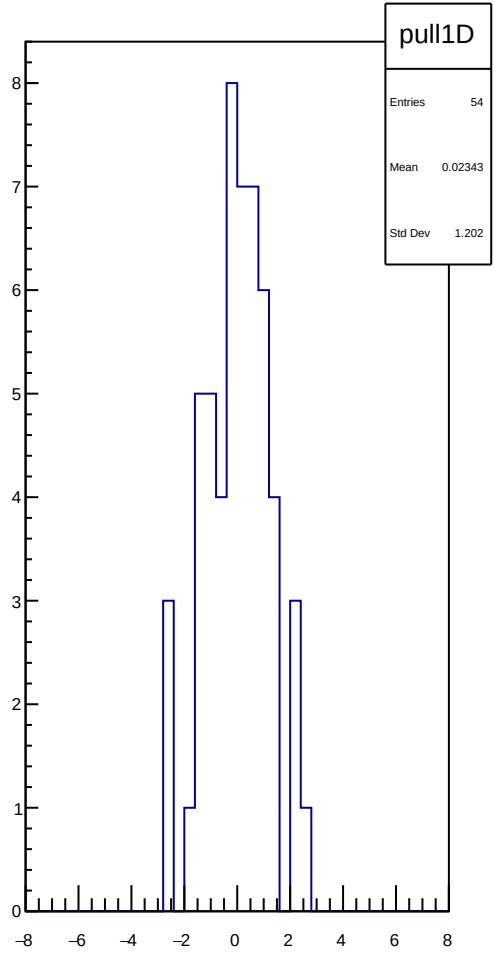
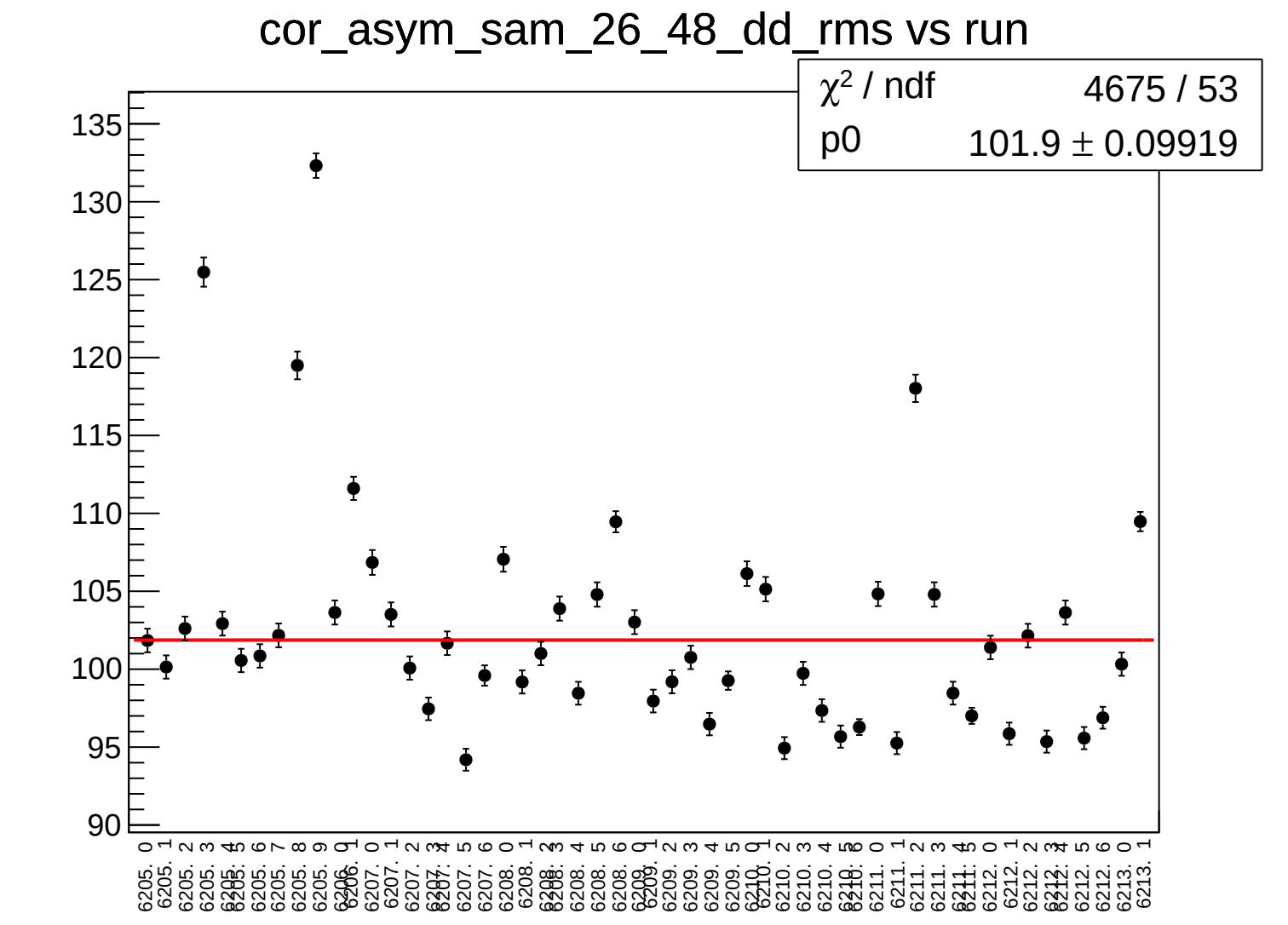
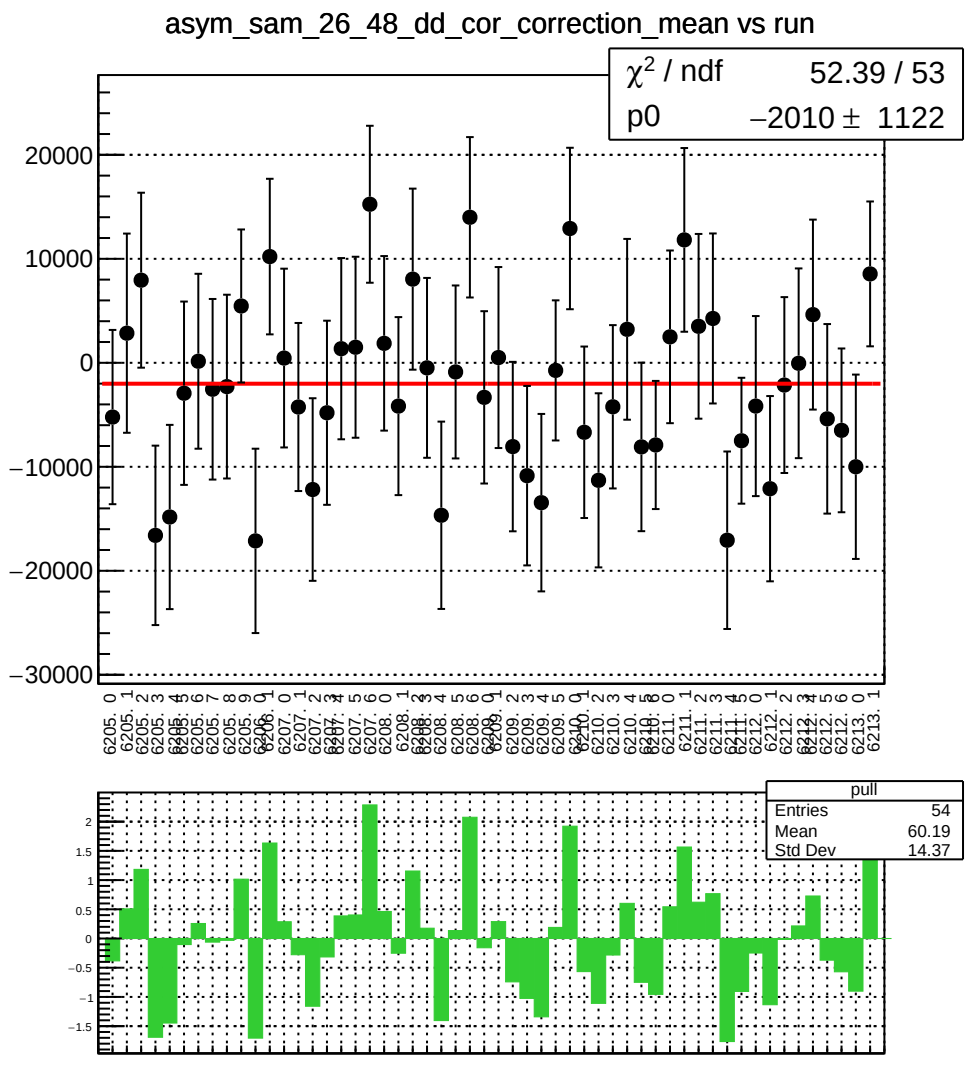
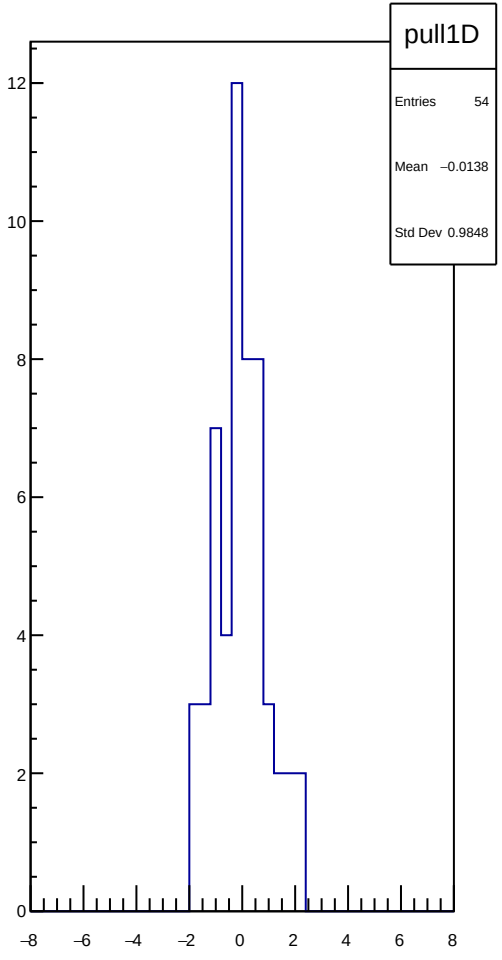
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

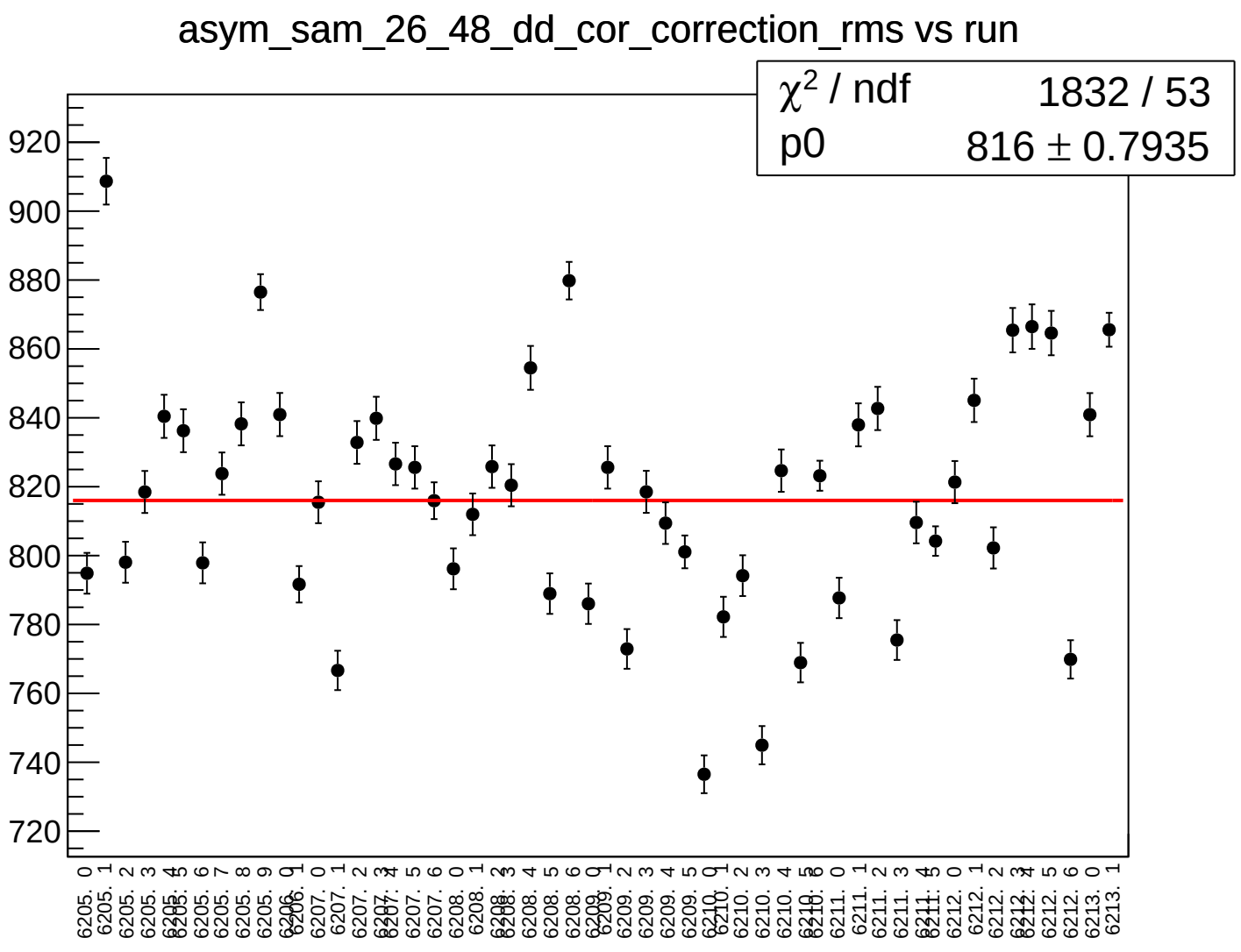

cor_asym_sam_26_48_dd_mean vs run
χ² / ndf 78 / 53
p0 212.8 ± 140.3
pull
Entries 54
Mean −183.2
Std Dev 0


pull1D
Entries 54
Mean 0.02343
Std Dev 1.202


cor_asym_sam_26_48_dd_rms vs run
χ² / ndf 4675 / 53
p0 101.9 ± 0.09919
135
130
125
120
115
110
105
100
95
90
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1


asym_sam_26_48_dd_cor_correction_mean vs run
χ² / ndf 52.39 / 53
p0 −2010 ± 1122
20000
10000
0
−10000
−20000
−30000
pull
Entries 54
Mean 60.19
Std Dev 14.37
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 54
Mean −0.0138
Std Dev 0.9848
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_26_48_dd_cor_correction_rms vs run
χ² / ndf 1832 / 53
p0 816 ± 0.7935
920
900
880
860
840
820
800
780
760
740
720
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
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6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
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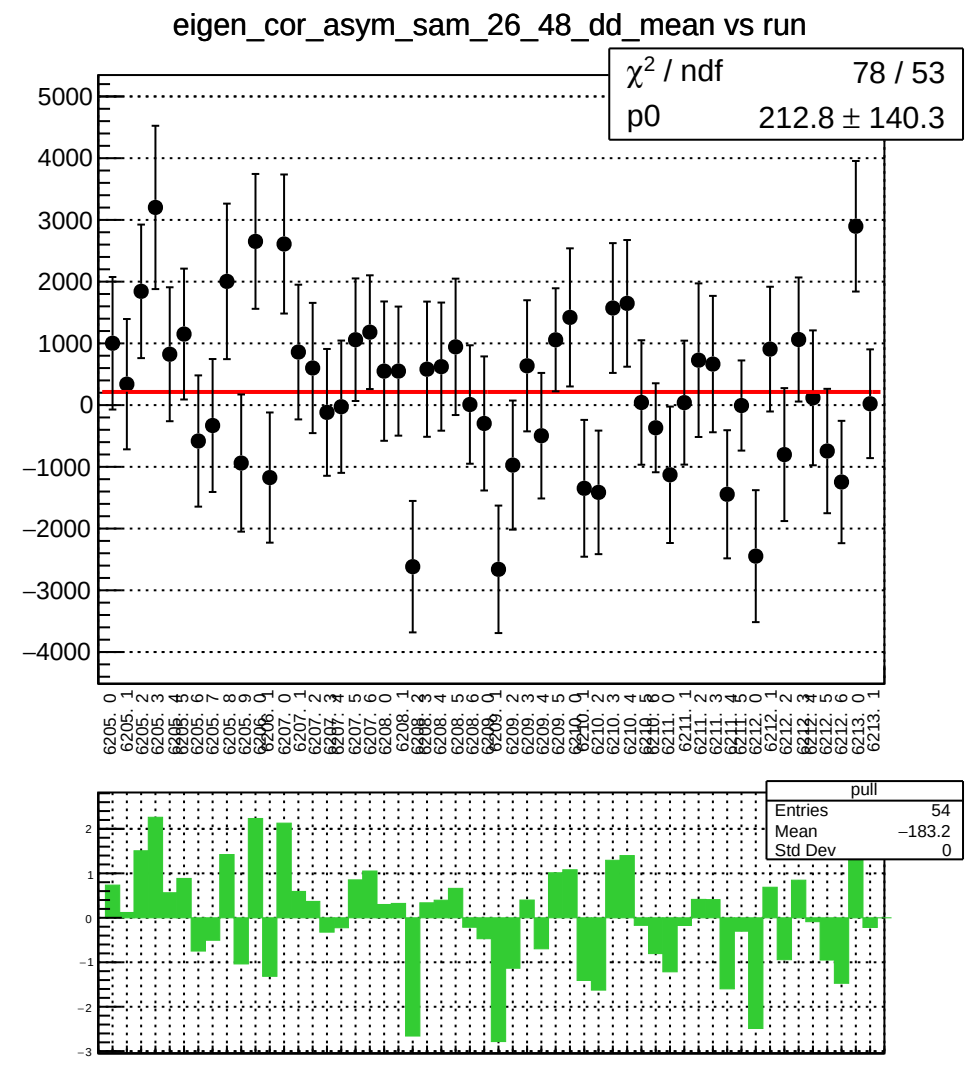
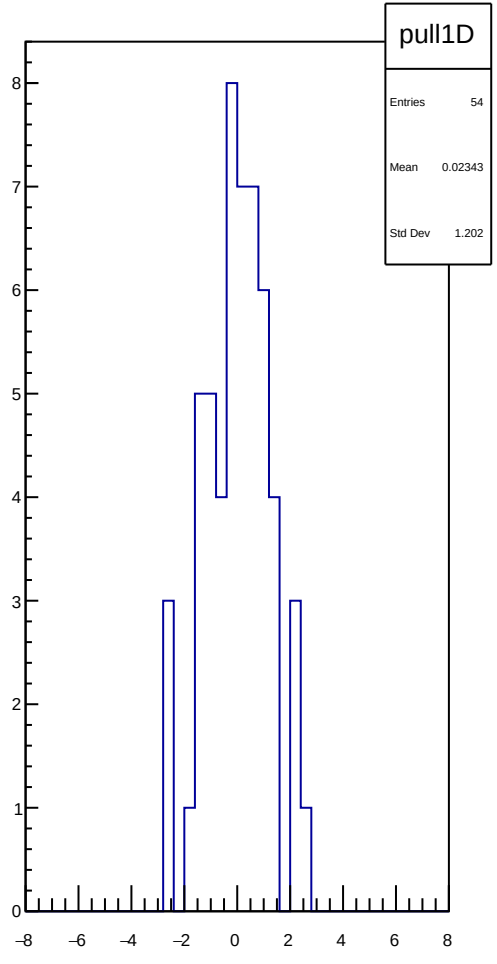
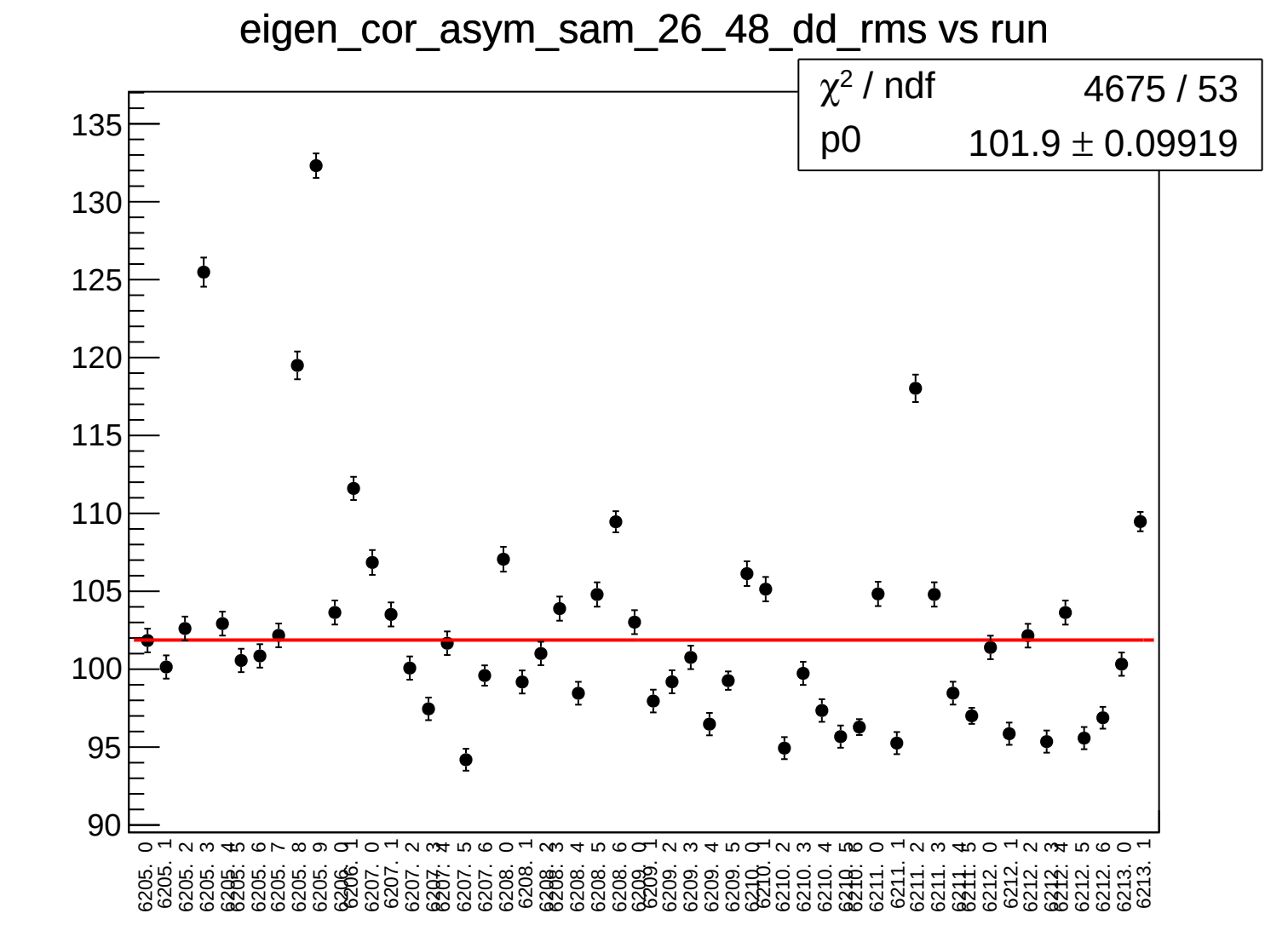
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


eigen_cor_asym_sam_26_48_dd_mean vs run
χ² / ndf 78 / 53
p0 212.8 ± 140.3
pull
Entries 54
Mean −183.2
Std Dev 0


pull1D
Entries 54
Mean 0.02343
Std Dev 1.202


eigen_cor_asym_sam_26_48_dd_rms vs run
χ² / ndf 4675 / 53
p0 101.9 ± 0.09919
135
130
125
120
115
110
105
100
95
90
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
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6209. 2
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6209. 4
6209. 5
6210. 0
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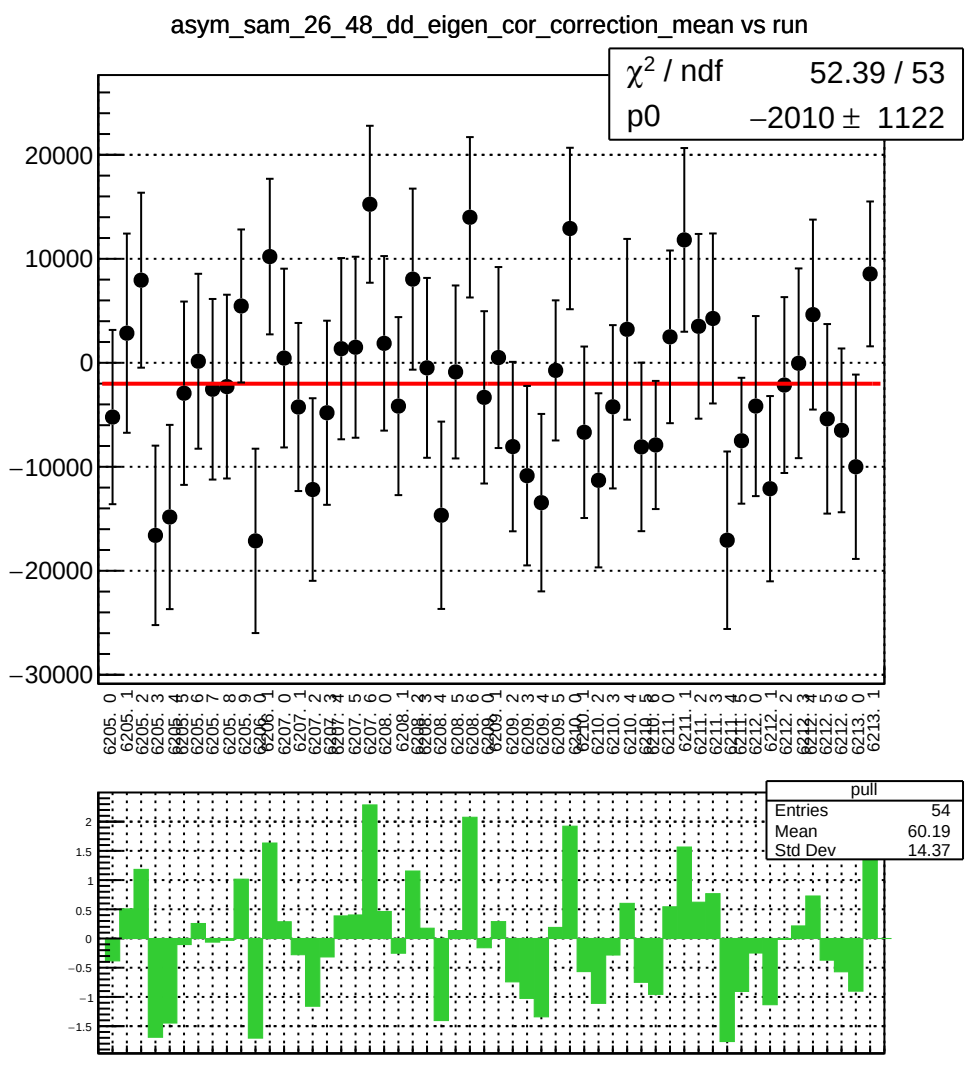
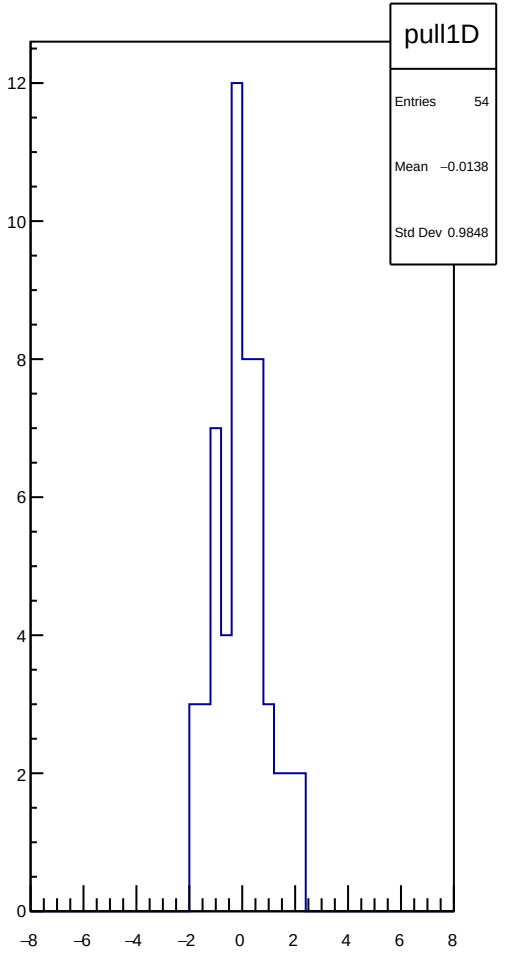
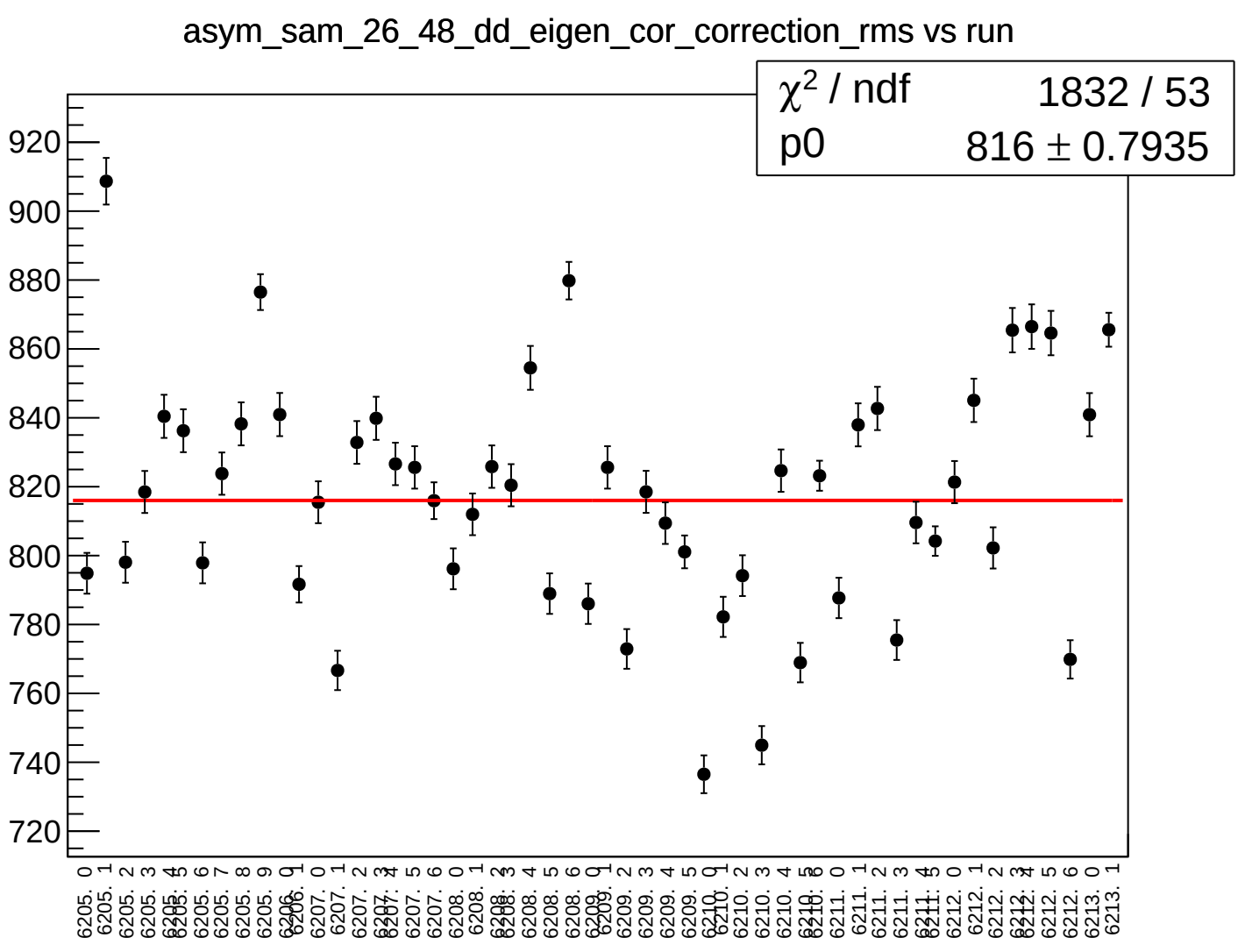
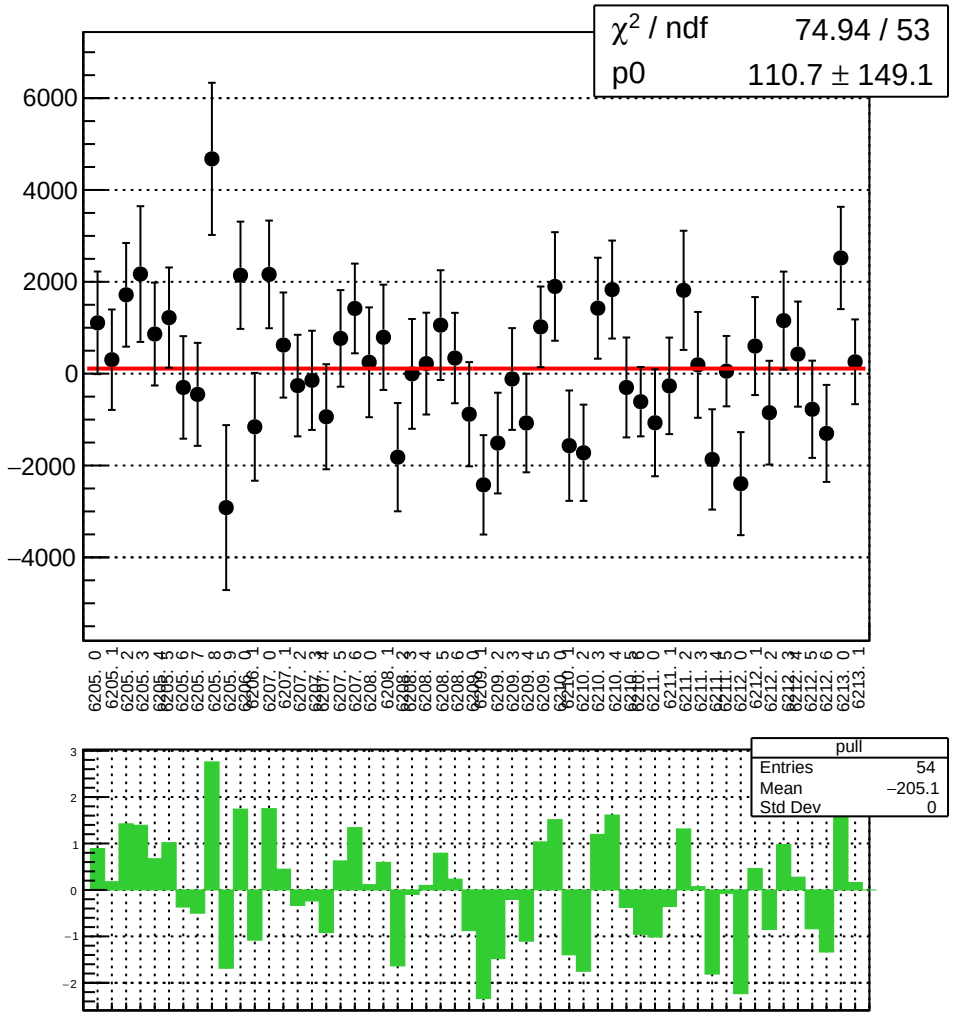
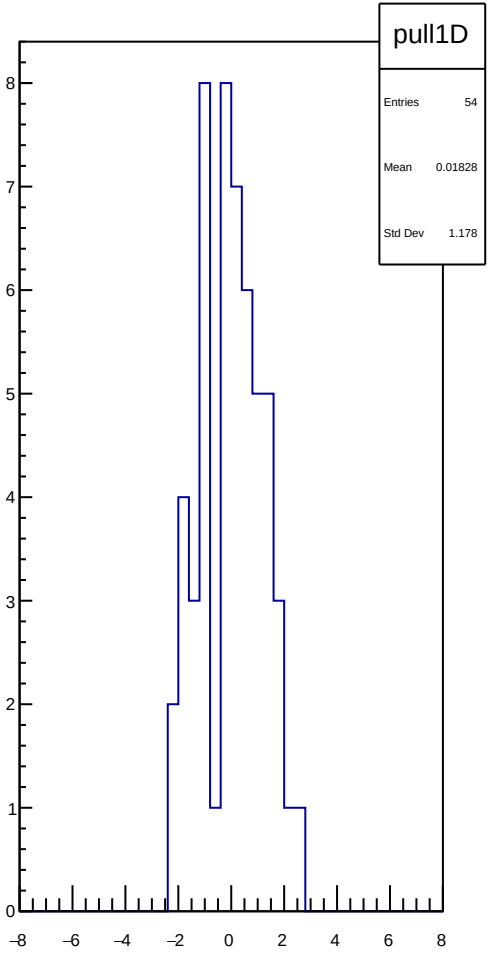
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

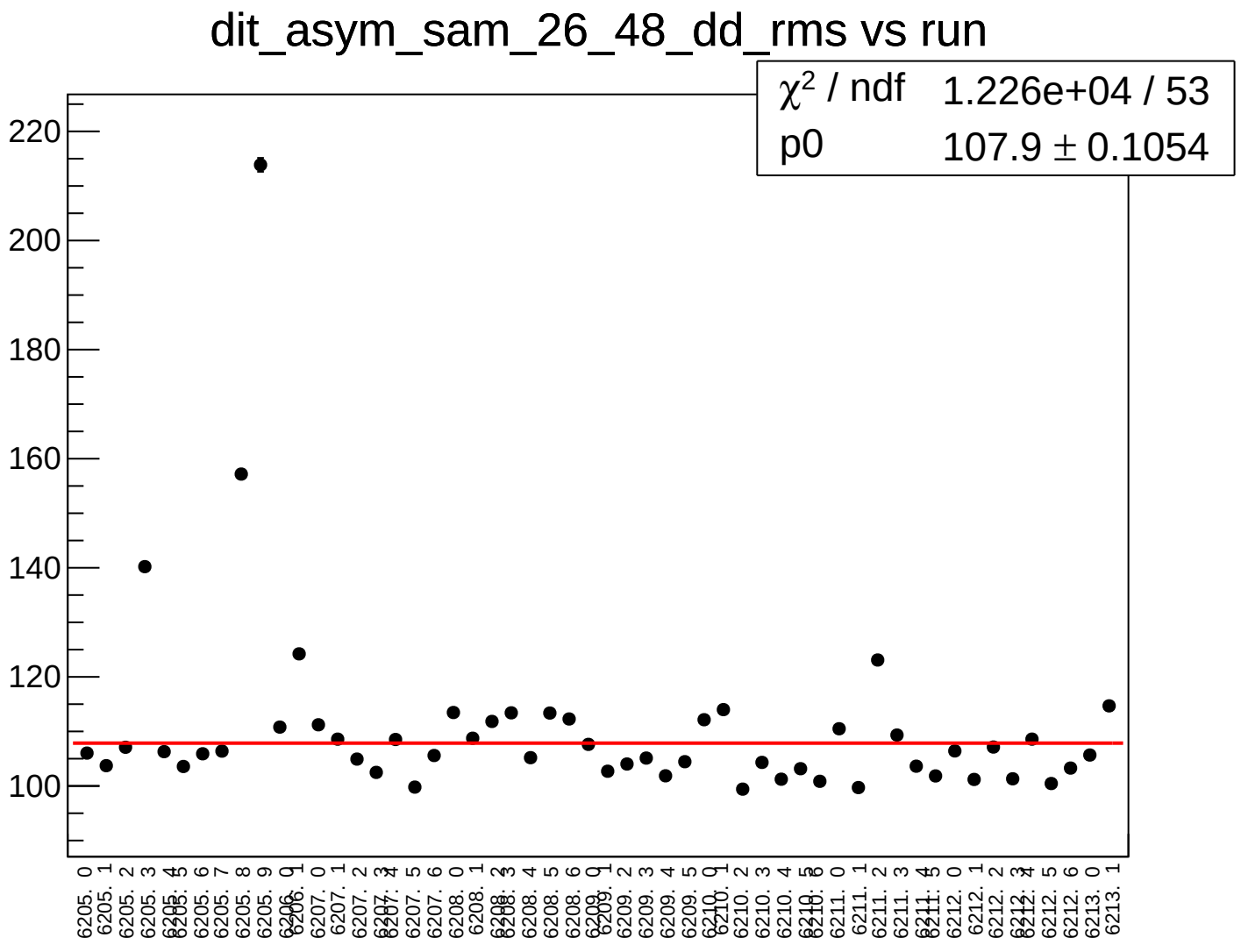

asym_sam_26_48_dd_eigen_cor_correction_mean vs run
χ² / ndf 52.39 / 53
p0 −2010 ± 1122
20000
10000
0
−10000
−20000
−30000
pull
Entries 54
Mean 60.19
Std Dev 14.37
2
1.5
1
0.5
0
−0.5
−1
−1.5

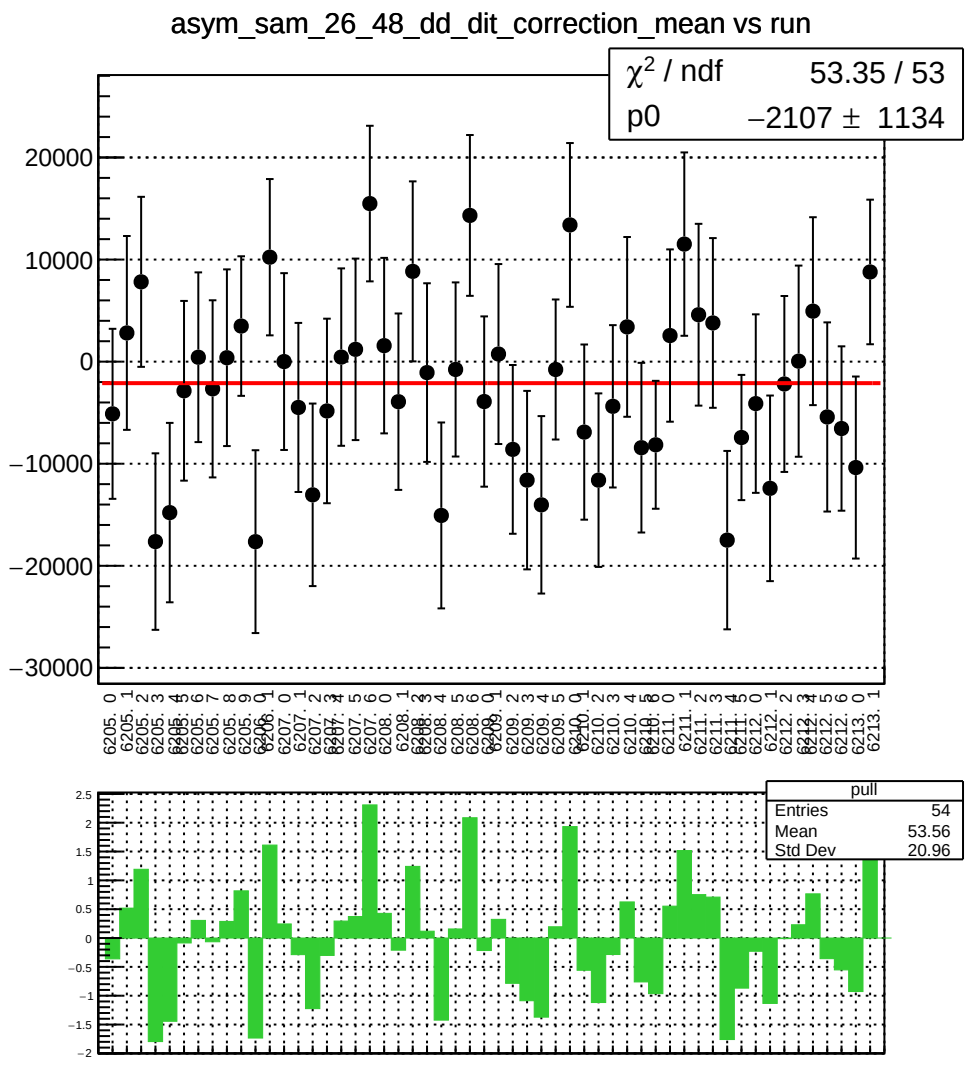

pull1D
Entries 54
Mean −0.0138
Std Dev 0.9848
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

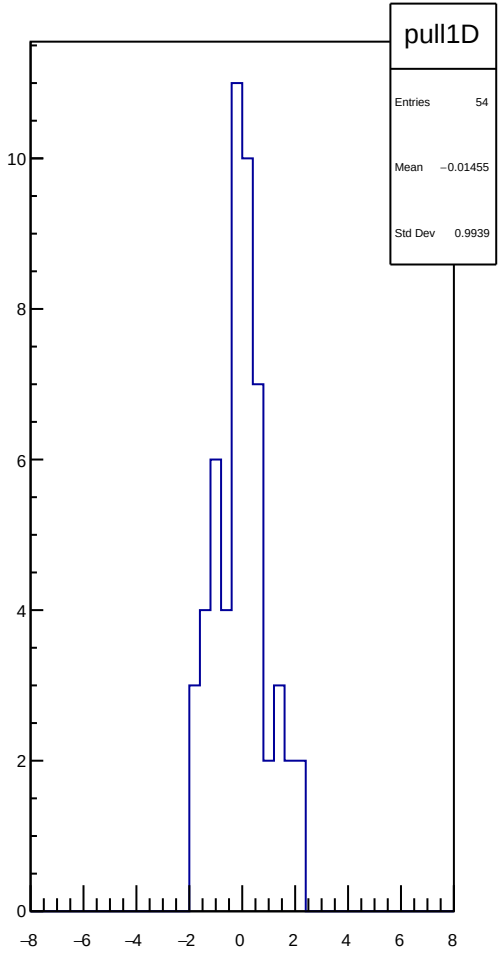

asym_sam_26_48_dd_eigen_cor_correction_rms vs run
χ² / ndf 1832 / 53
p0 816 ± 0.7935
920
900
880
860
840
820
800
780
760
740
720
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

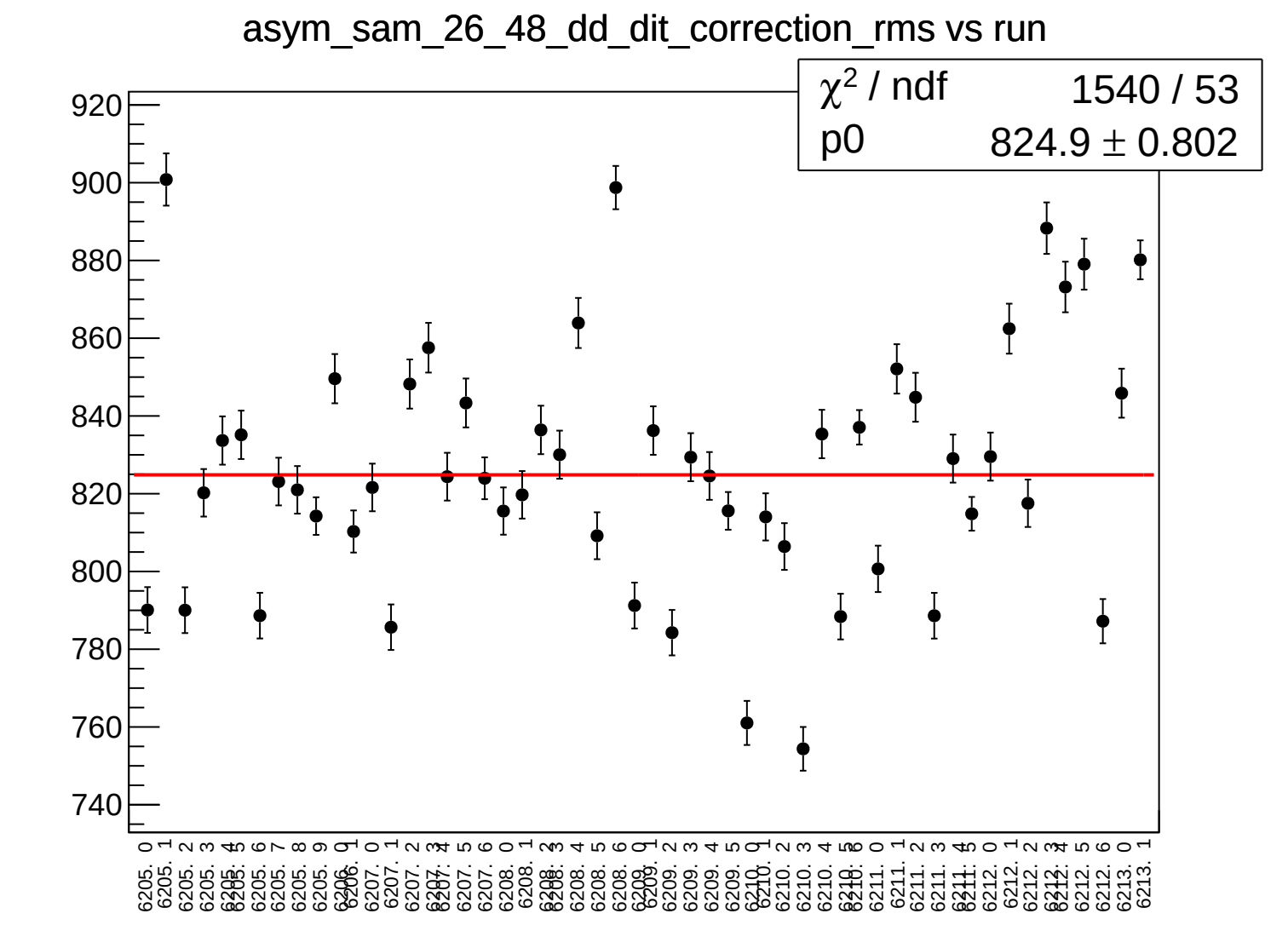

dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 74.94 / 53
p0 110.7 ± 149.1
pull
Entries 54
Mean −205.1
Std Dev 0

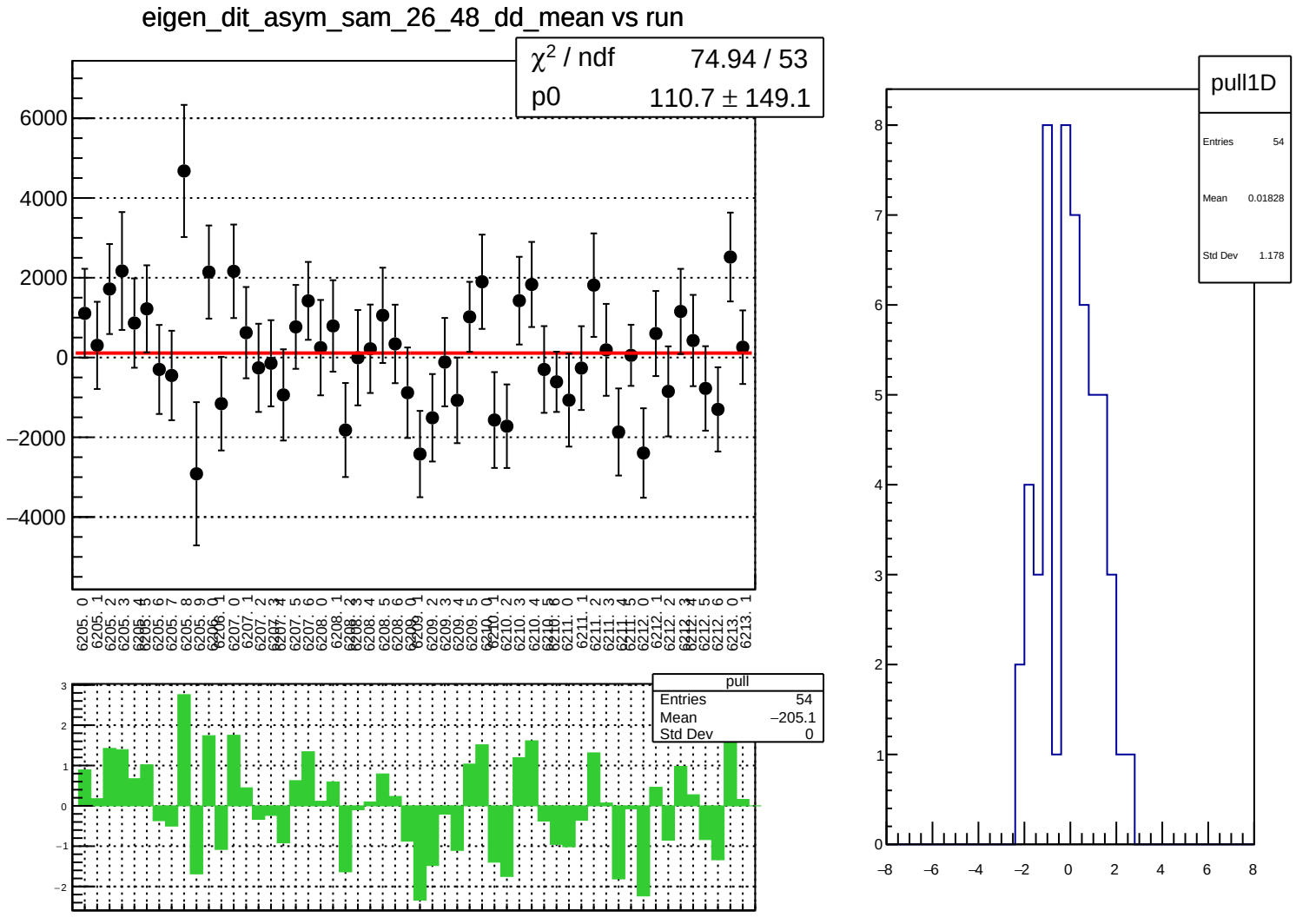

pull1D
Entries 54
Mean 0.01828
Std Dev 1.178

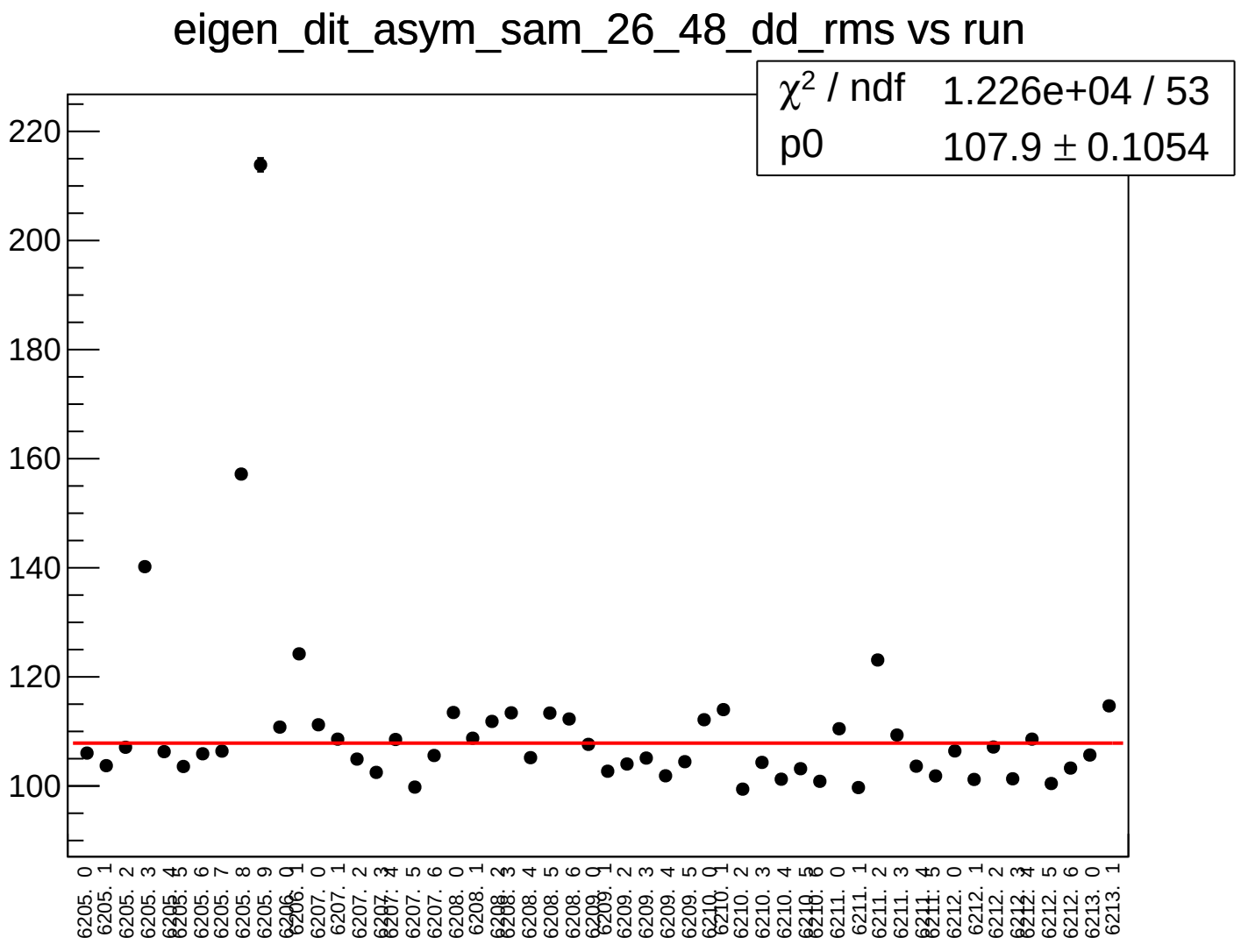

dit_asym_sam_26_48_dd_rms vs run
χ² / ndf 1.226e+04 / 53
p0 107.9 ± 0.1054
220
200
180
160
140
120
100
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_sam_26_48_dd_dit_correction_mean vs run
χ² / ndf 53.35 / 53
p0 −2107 ± 1134
20000
10000
0
−10000
−20000
−30000
pull
Entries 54
Mean 53.56
Std Dev 20.96
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 54
Mean −0.01455
Std Dev 0.9939
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_26_48_dd_dit_correction_rms vs run
χ² / ndf 1540 / 53
p0 824.9 ± 0.802
920
900
880
860
840
820
800
780
760
740
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


eigen_dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 74.94 / 53
p0 110.7 ± 149.1
pull
Entries 54
Mean −205.1
Std Dev 0
pull1D
Entries 54
Mean 0.01828
Std Dev 1.178


eigen_dit_asym_sam_26_48_dd_rms vs run
χ² / ndf 1.226e+04 / 53
p0 107.9 ± 0.1054
220
200
180
160
140
120
100
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
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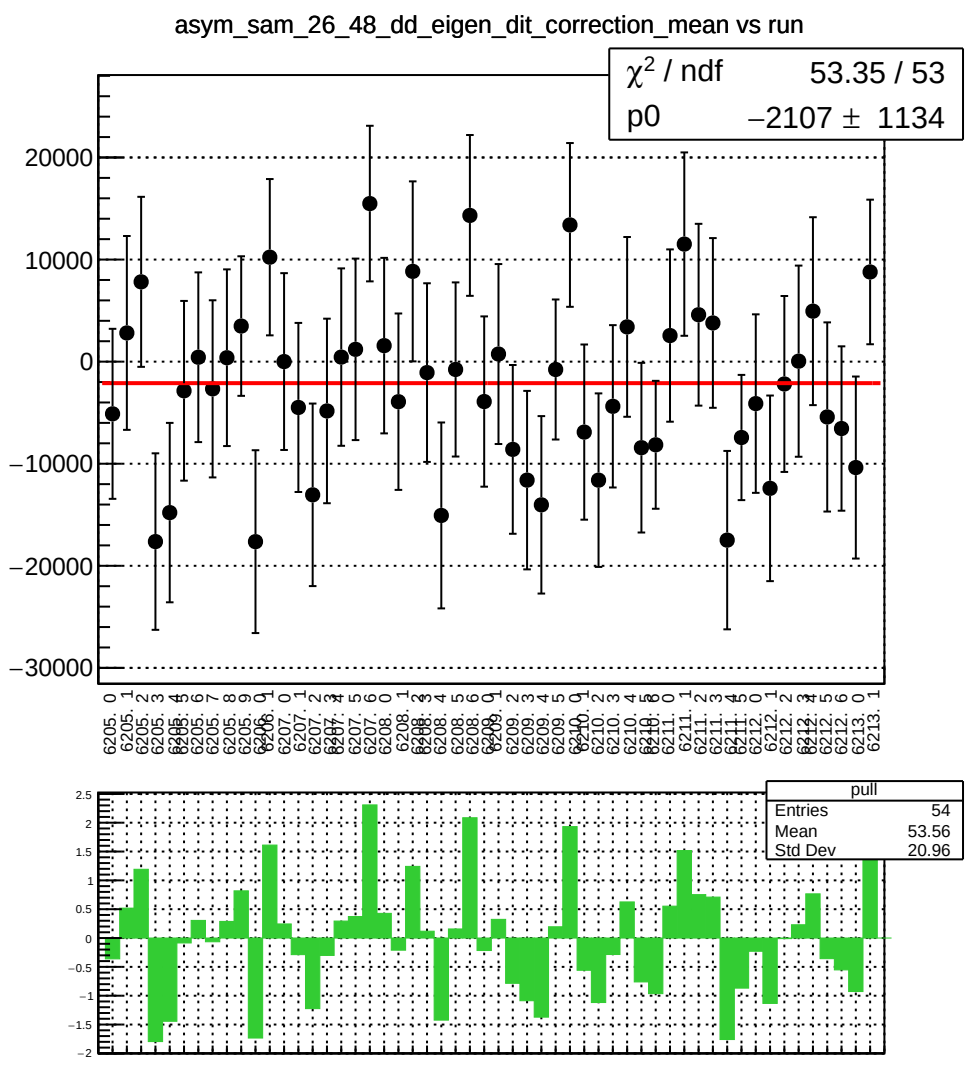
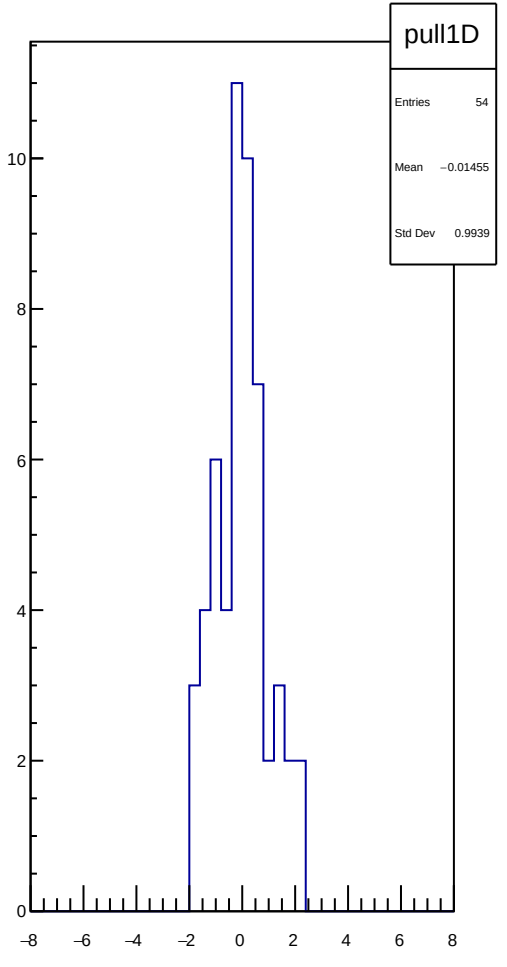
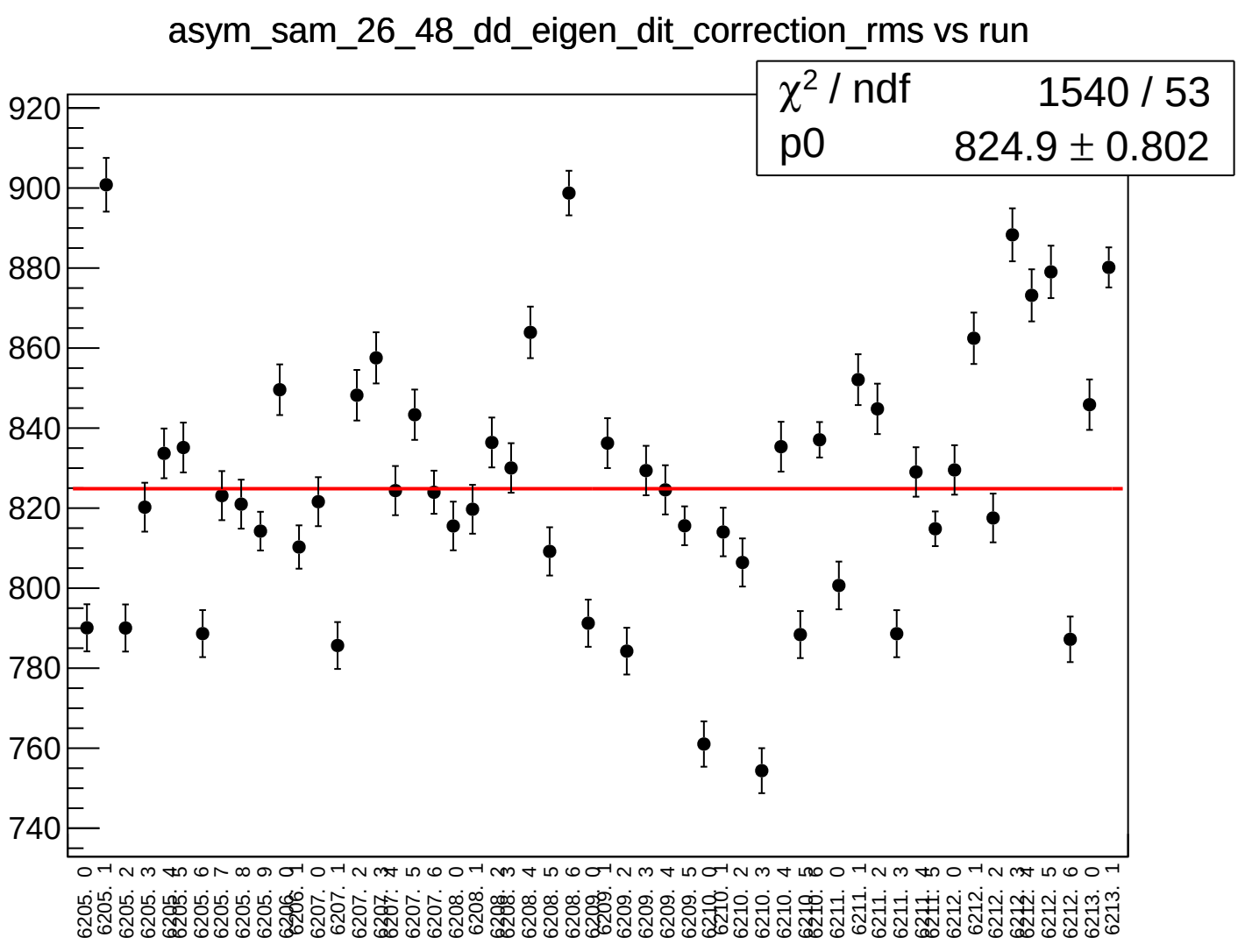
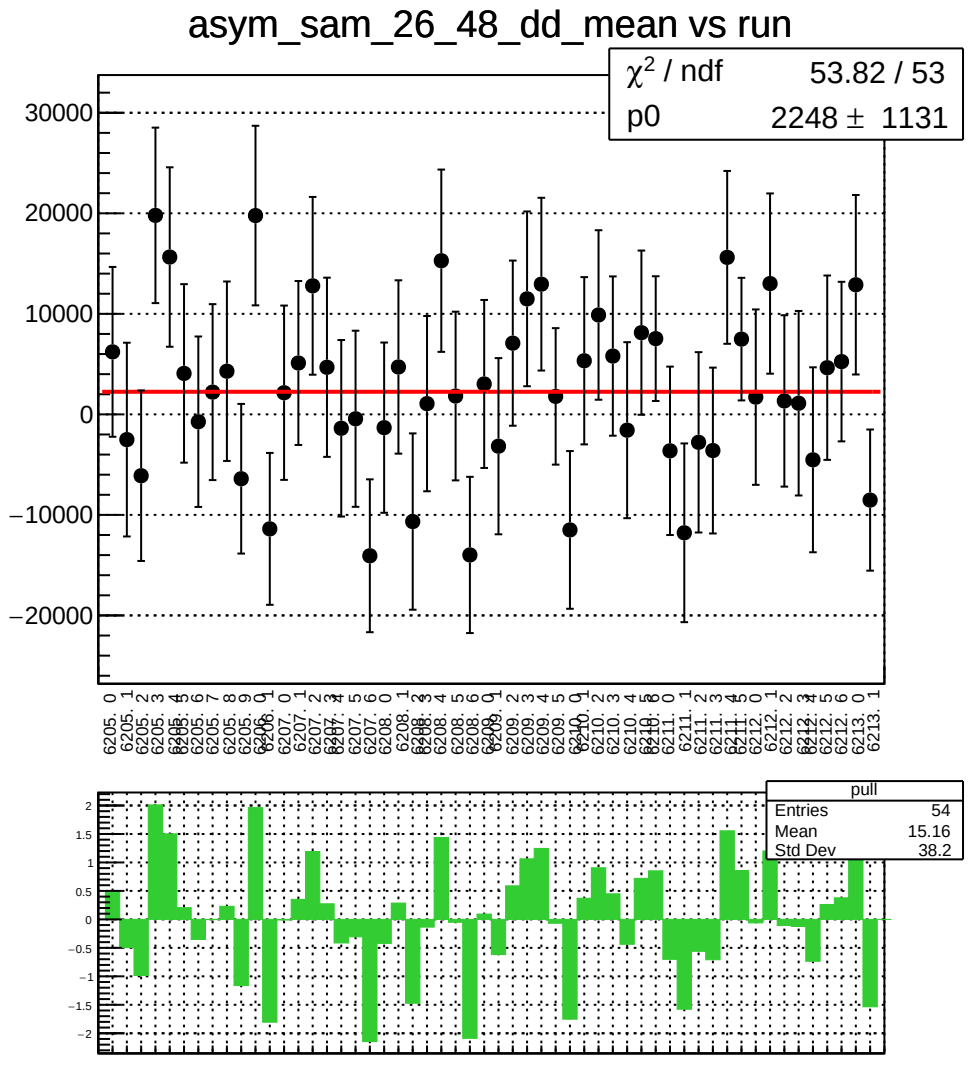
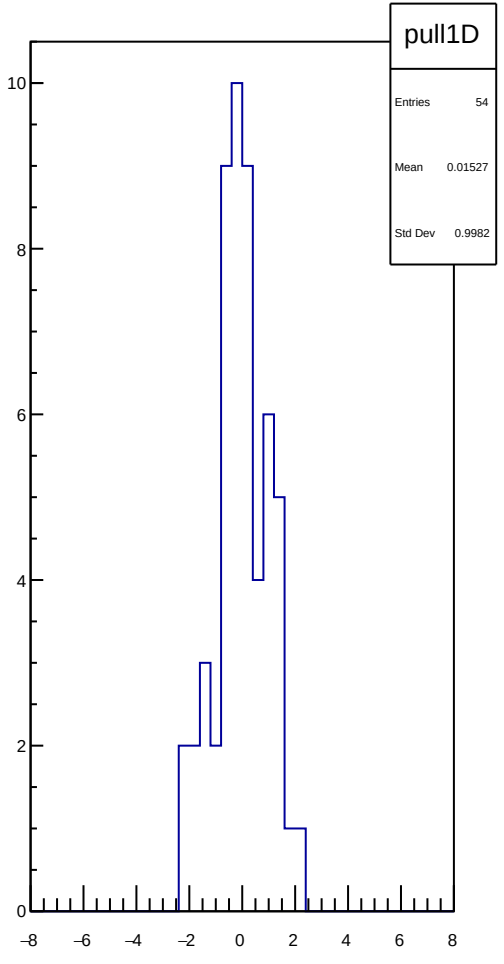
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

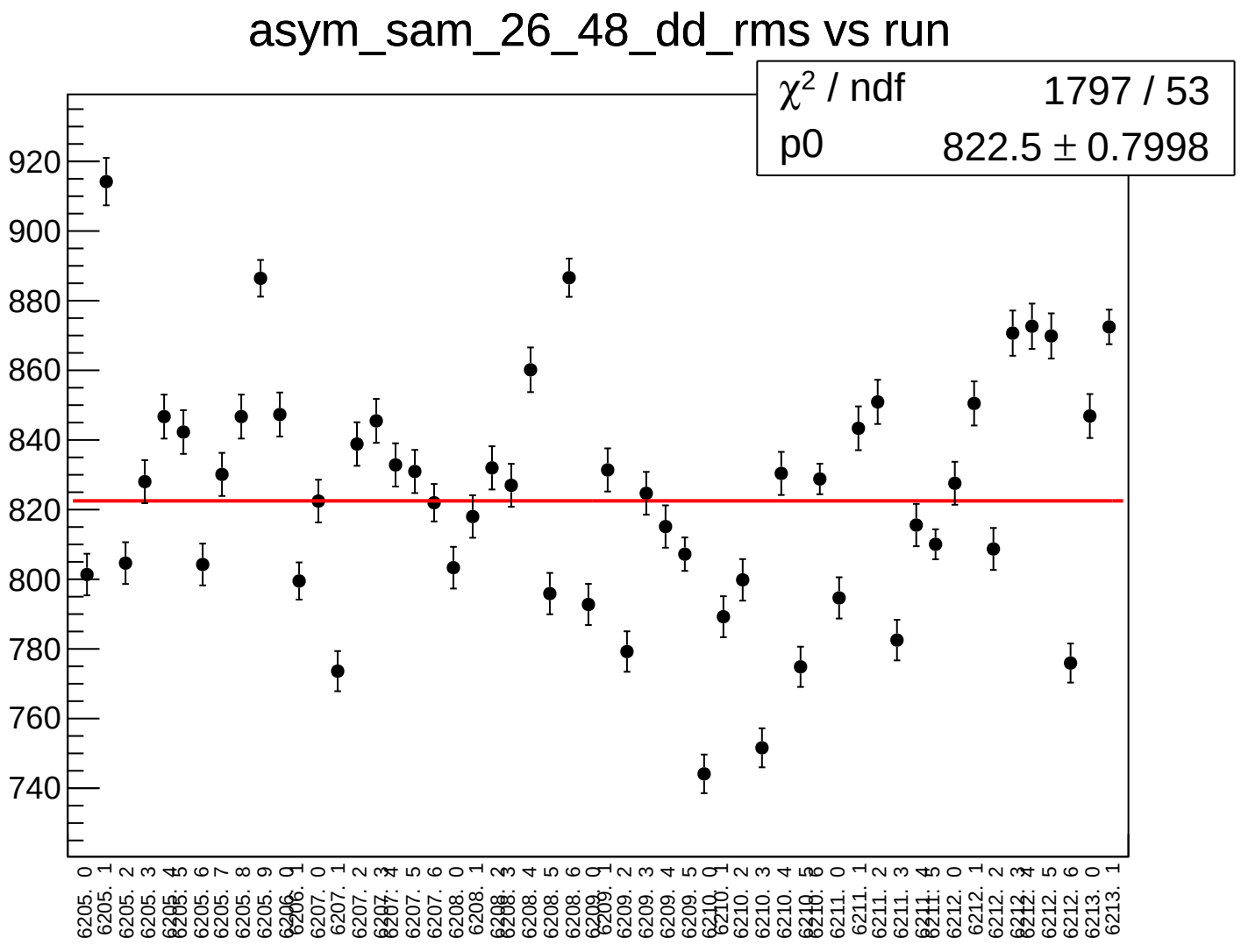

asym_sam_26_48_dd_eigen_dit_correction_mean vs run
χ² / ndf 53.35 / 53
p0 −2107 ± 1134
20000
10000
0
−10000
−20000
−30000
pull
Entries 54
Mean 53.56
Std Dev 20.96
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

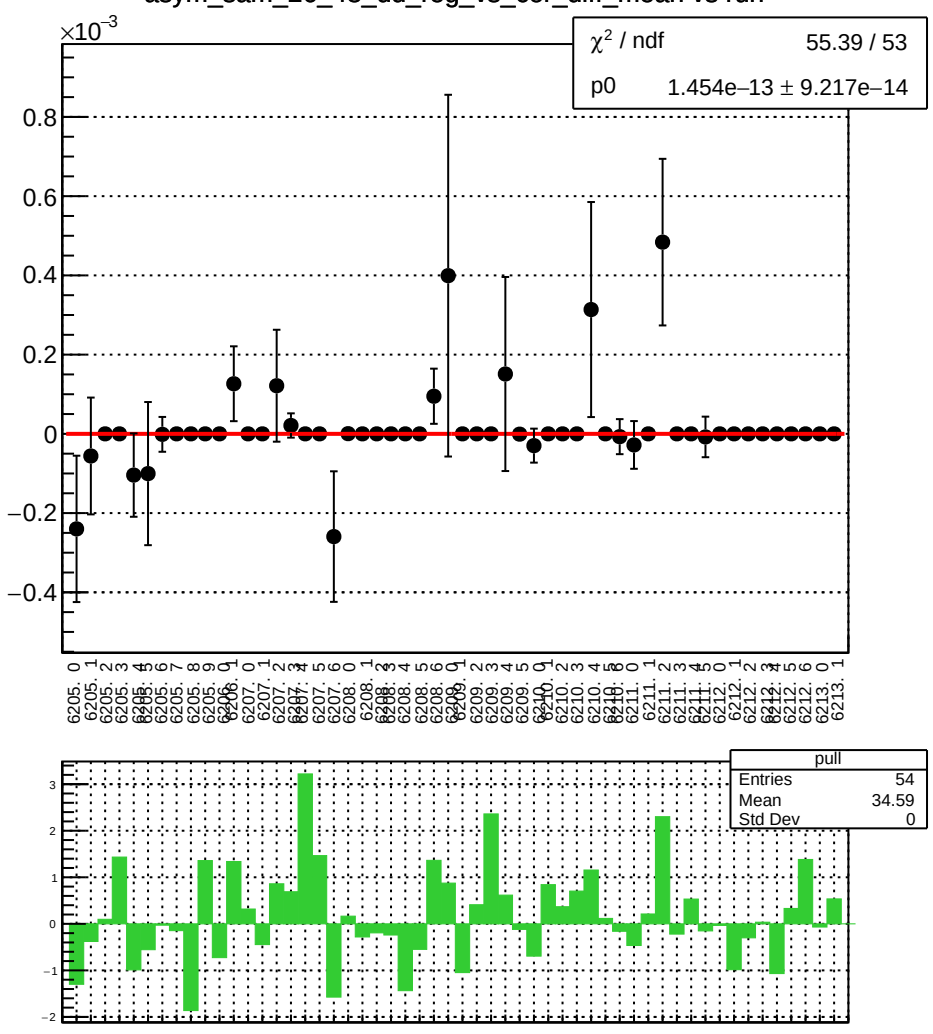

pull1D
Entries 54
Mean −0.01455
Std Dev 0.9939
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

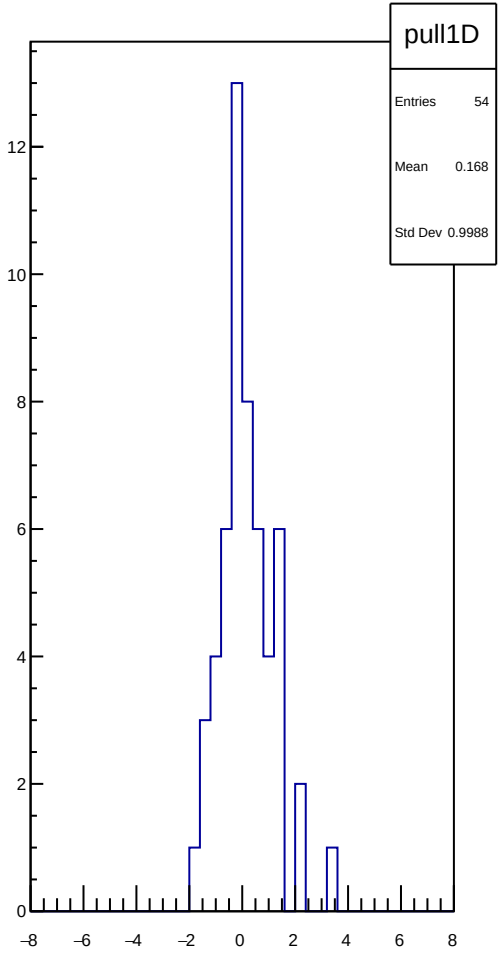

asym_sam_26_48_dd_eigen_dit_correction_rms vs run
χ² / ndf 1540 / 53
p0 824.9 ± 0.802
920
900
880
860
840
820
800
780
760
740
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

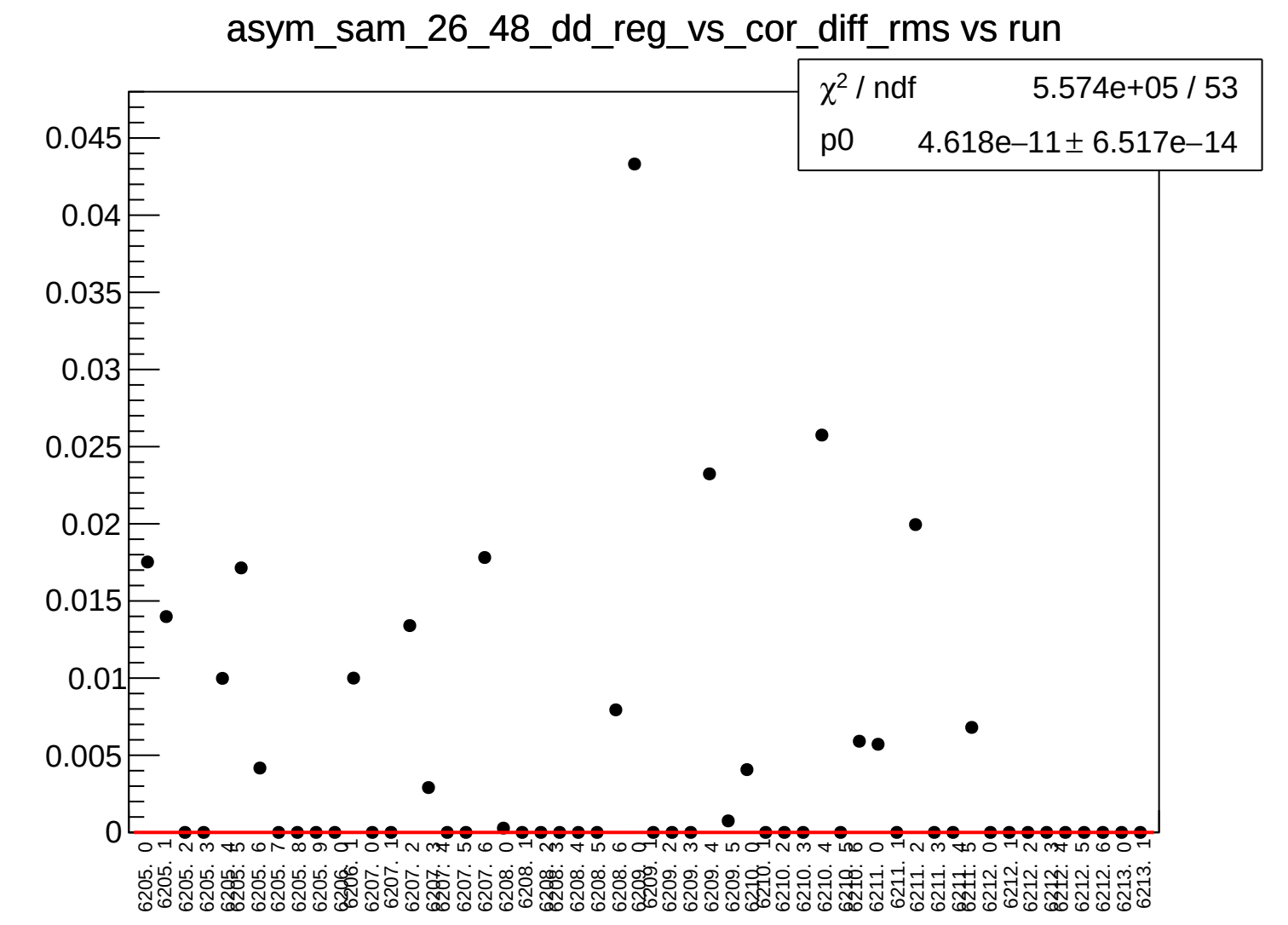

asym_sam_26_48_dd_mean vs run
χ² / ndf 53.82 / 53
p0 2248 ± 1131
pull
Entries 54
Mean 15.16
Std Dev 38.2


pull1D
Entries 54
Mean 0.01527
Std Dev 0.9982

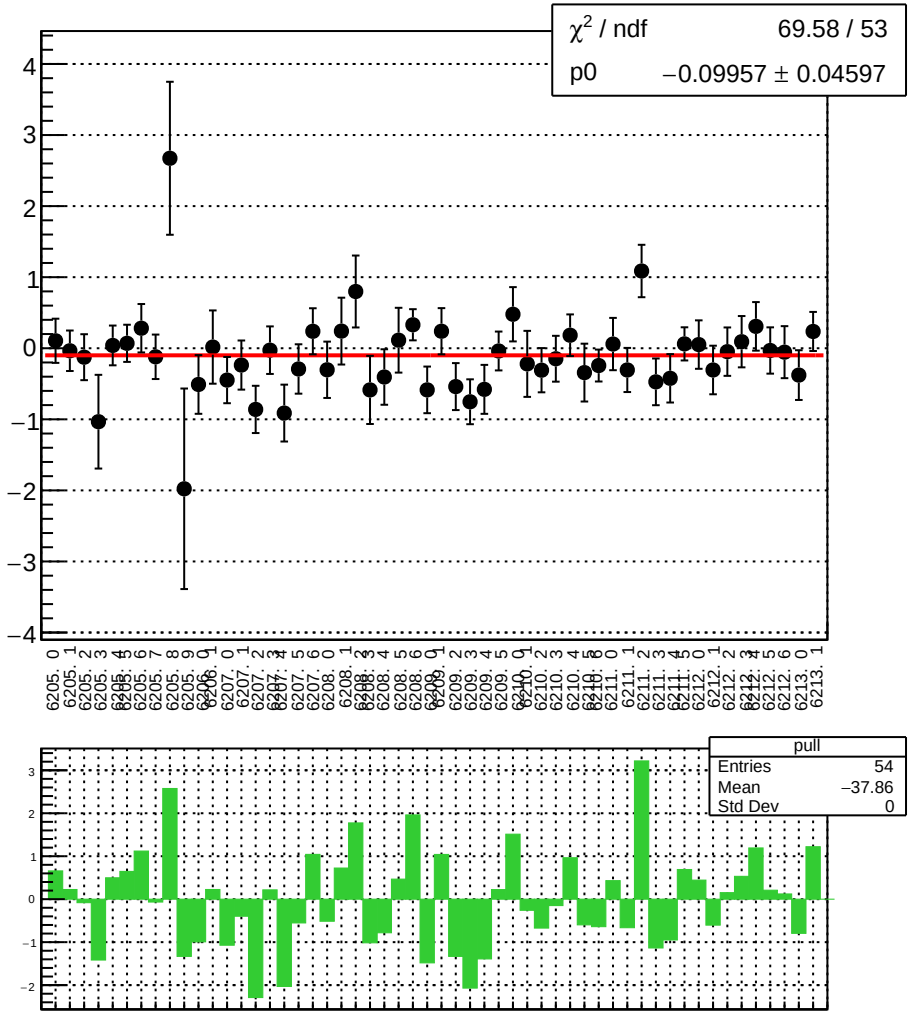

asym_sam_26_48_dd_rms vs run
χ² / ndf 1797 / 53
p0 822.5 ± 0.7998
920
900
880
860
840
820
800
780
760
740
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

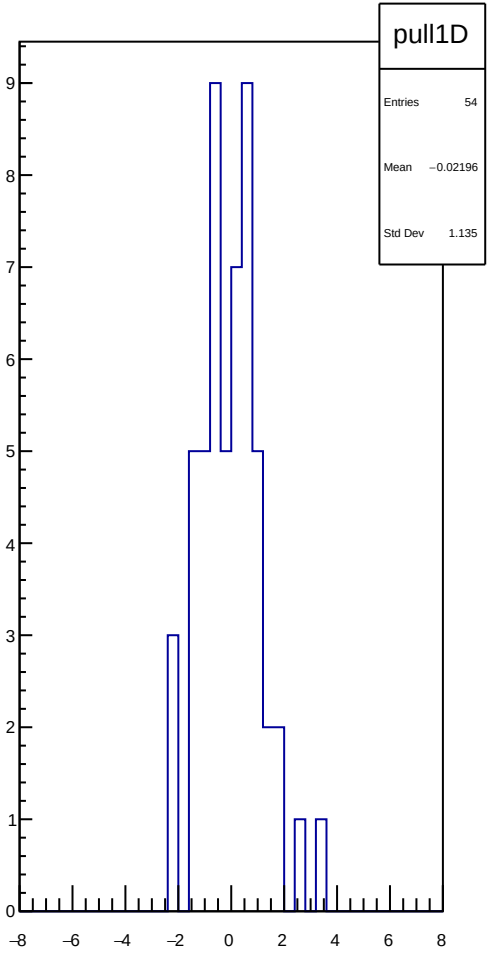

asym_sam_26_48_dd_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 55.39 / 53
p0 1.454e−13 ± 9.217e−14
pull
Entries 54
Mean 34.59
Std Dev 0

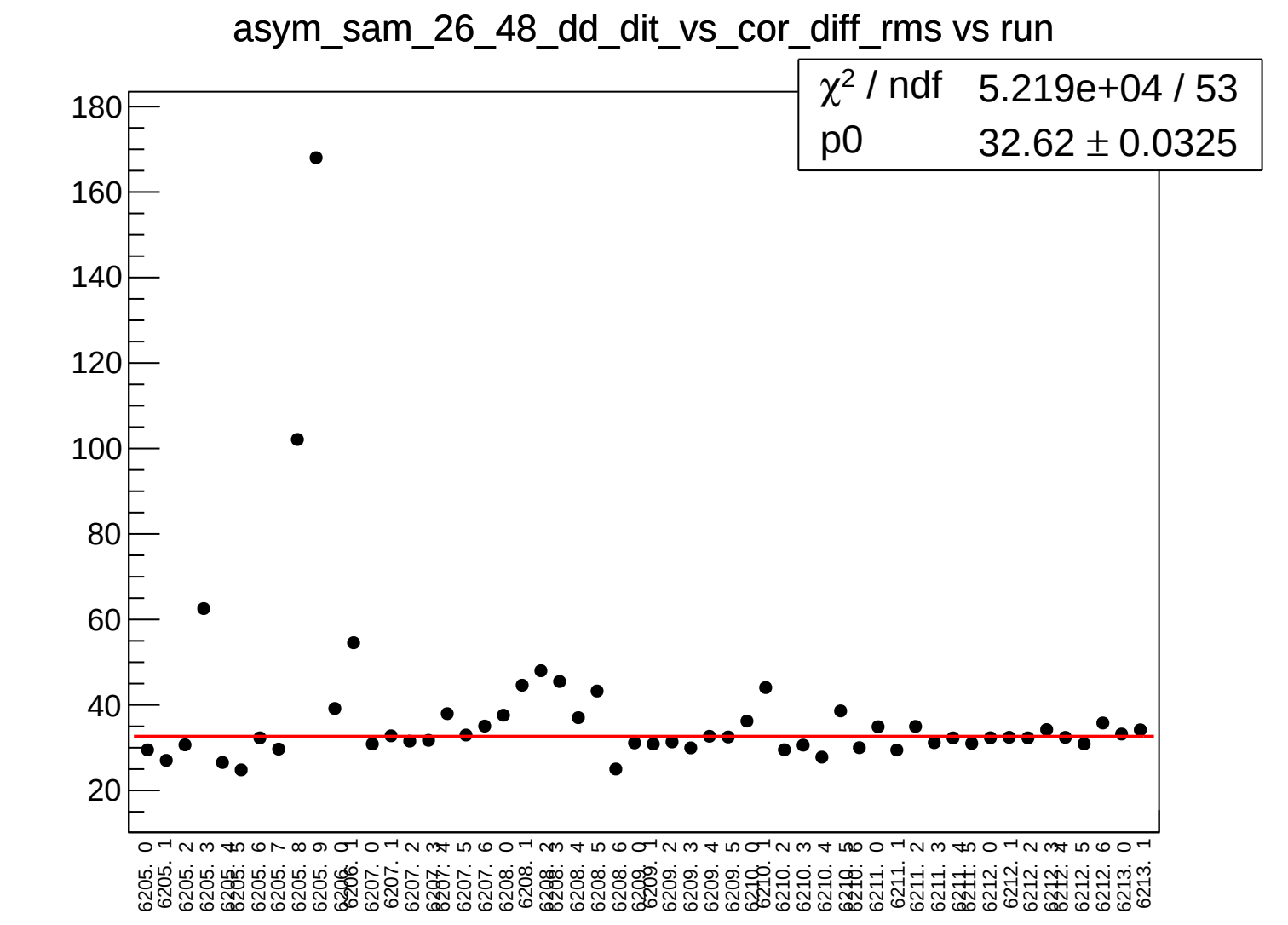

pull1D
Entries 54
Mean 0.168
Std Dev 0.9988


asym_sam_26_48_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.574e+05 / 53
p0 4.618e−11 ± 6.517e−14
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6209. 6
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

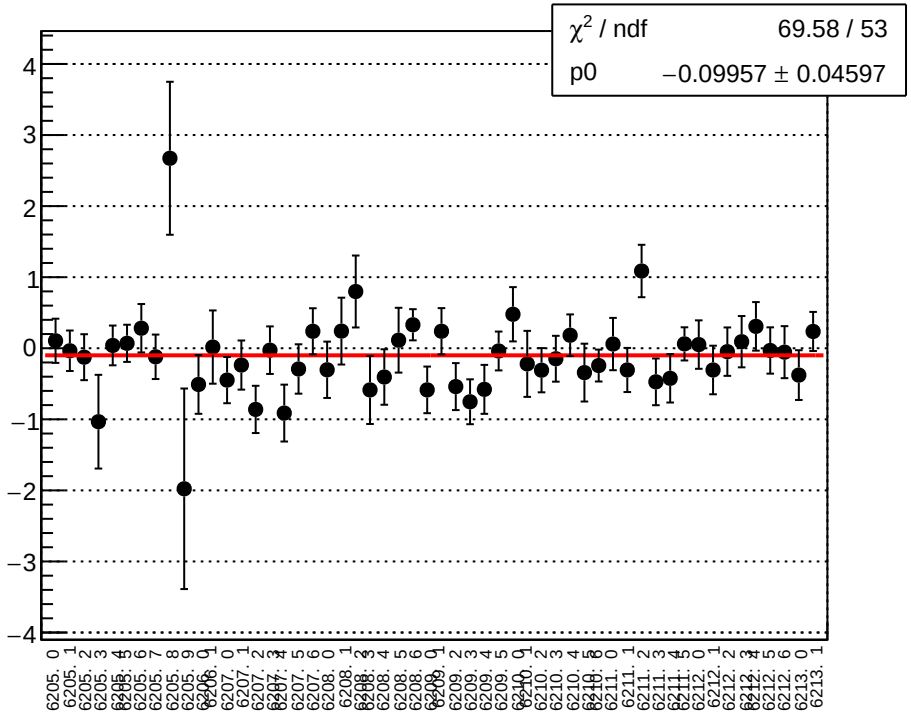
asym_sam_26_48_dd_dit_vs_cor_diff_mean vs run

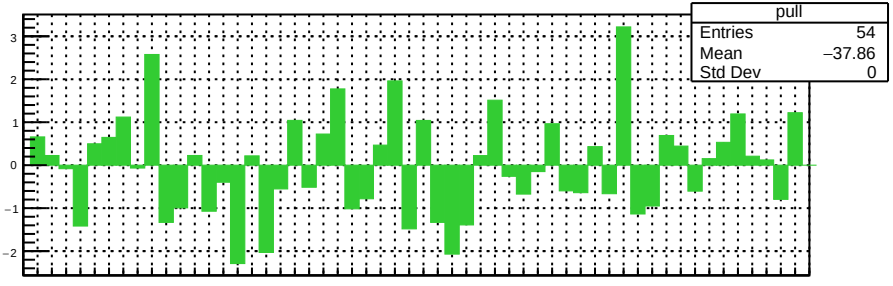


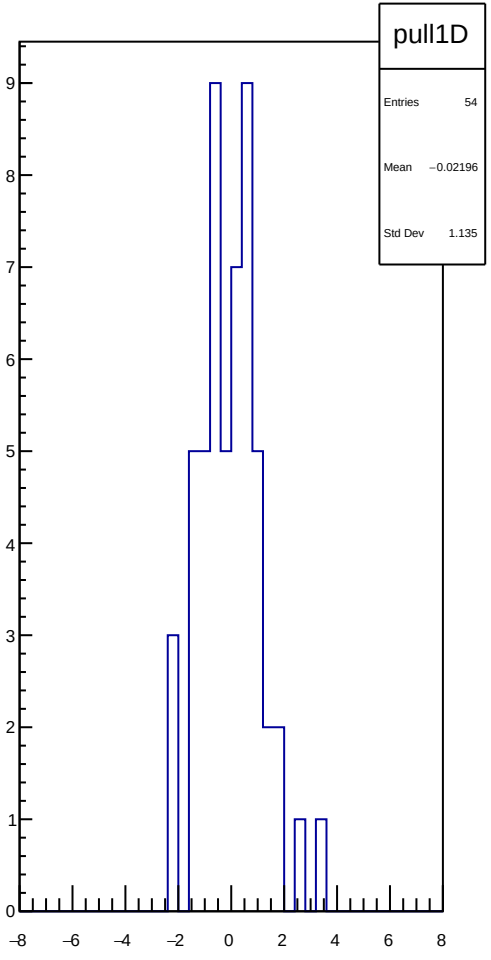


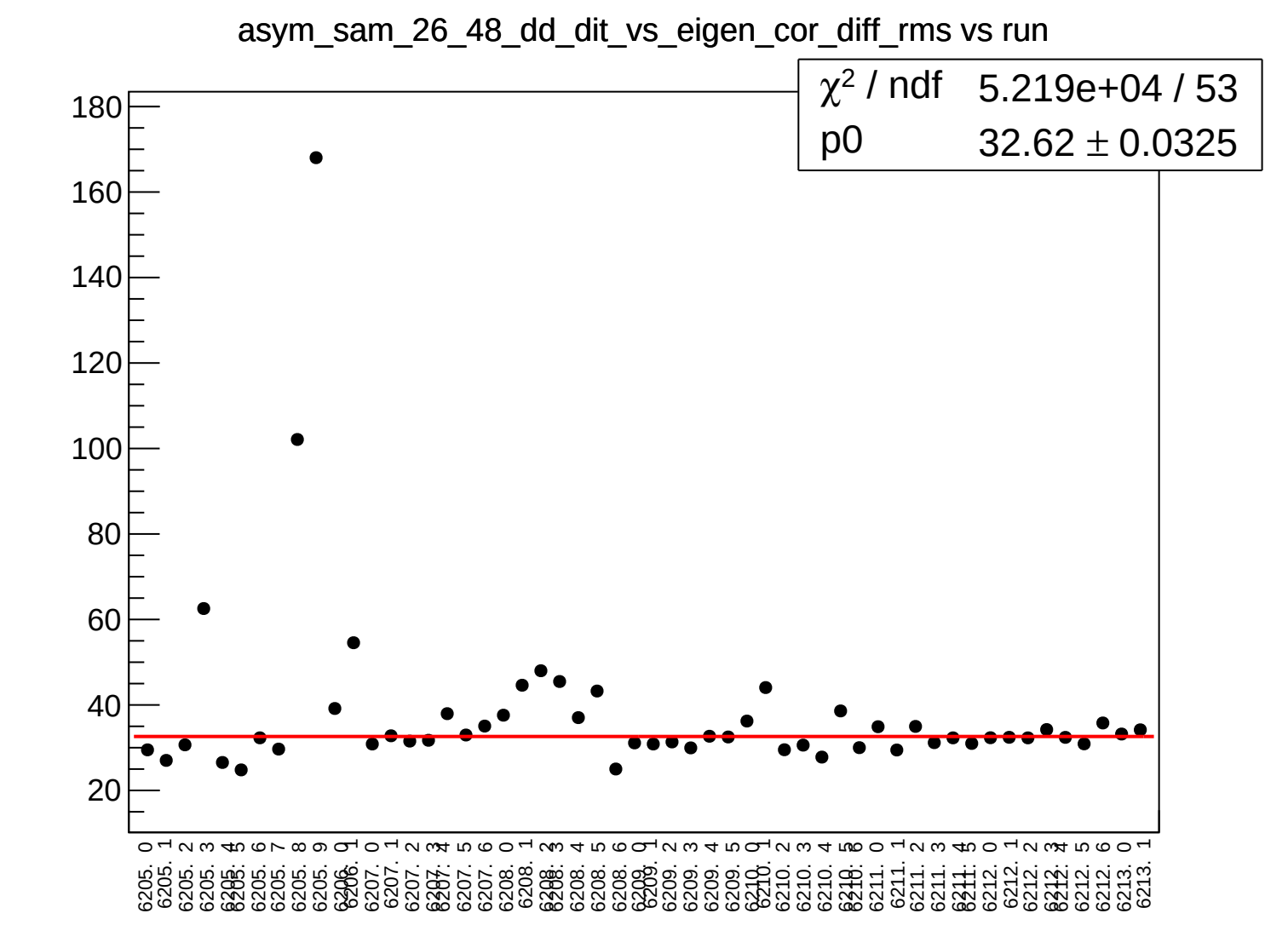

asym_sam_26_48_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 5.219e+04 / 53
p0 32.62 ± 0.0325
180
160
140
120
100
80
60
40
20
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

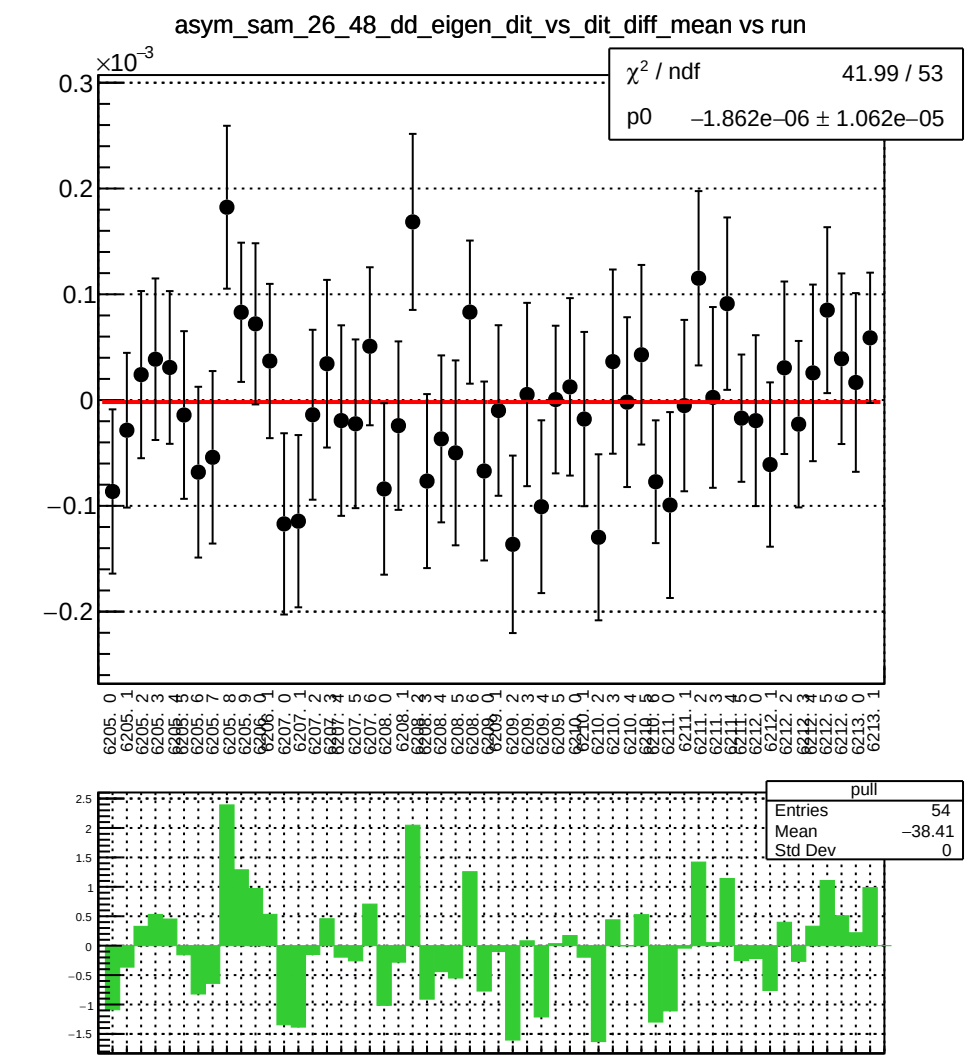
asym_sam_26_48_dd_dit_vs_eigen_cor_diff_mean vs run

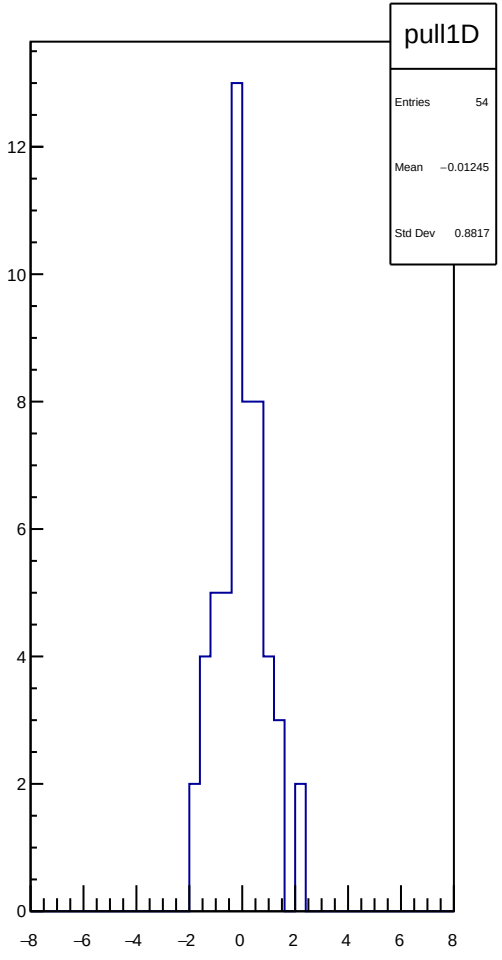


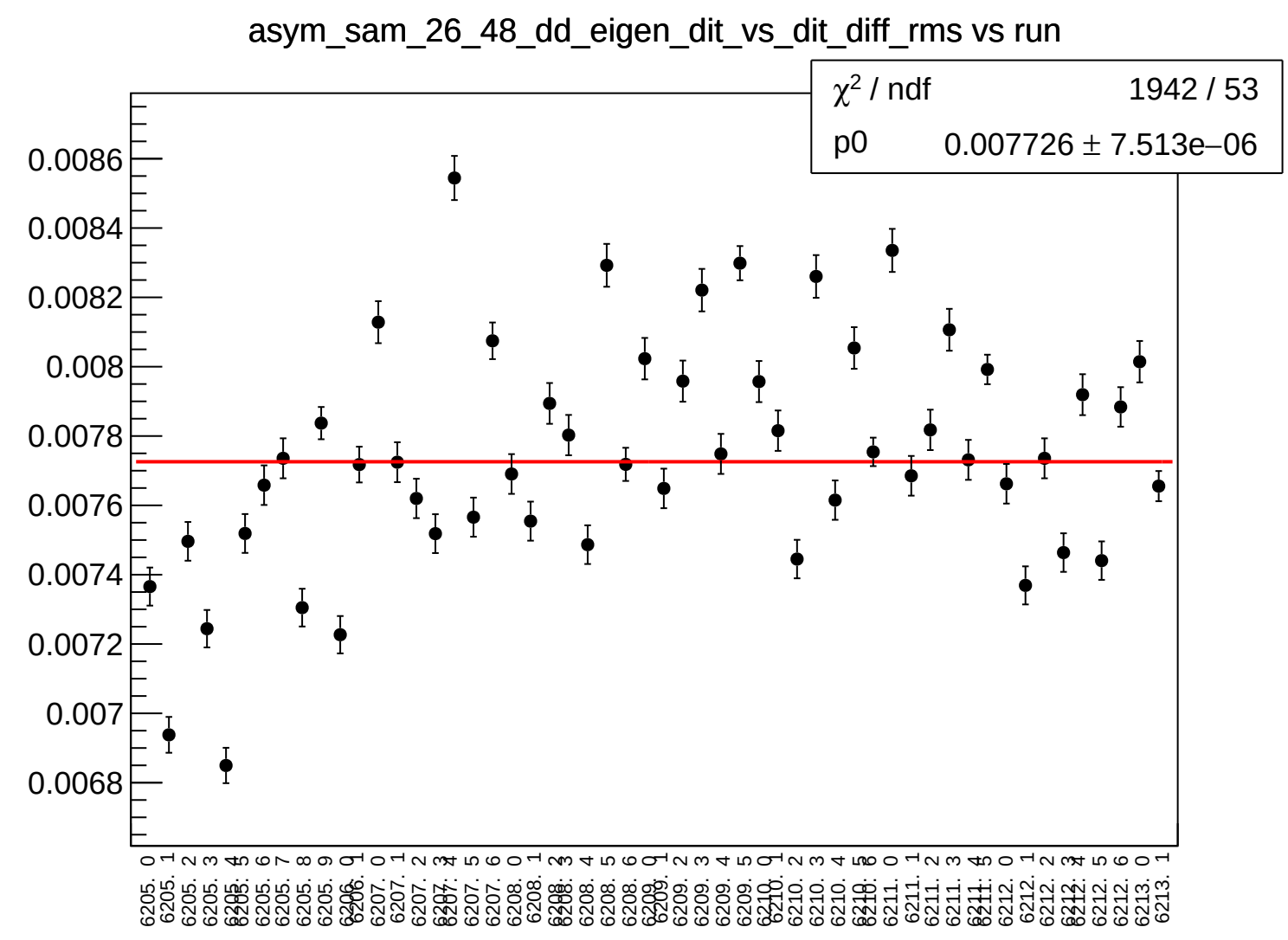


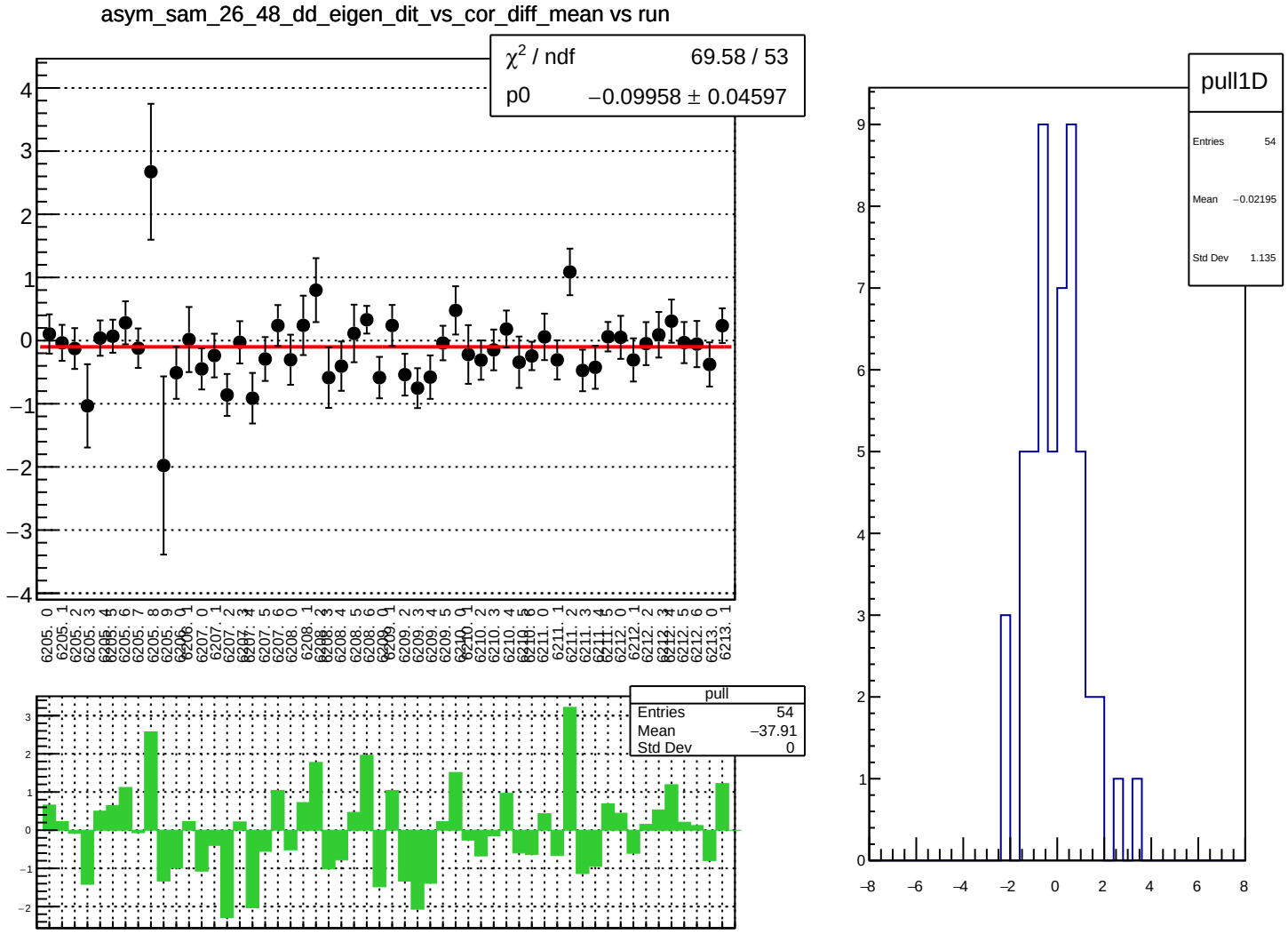


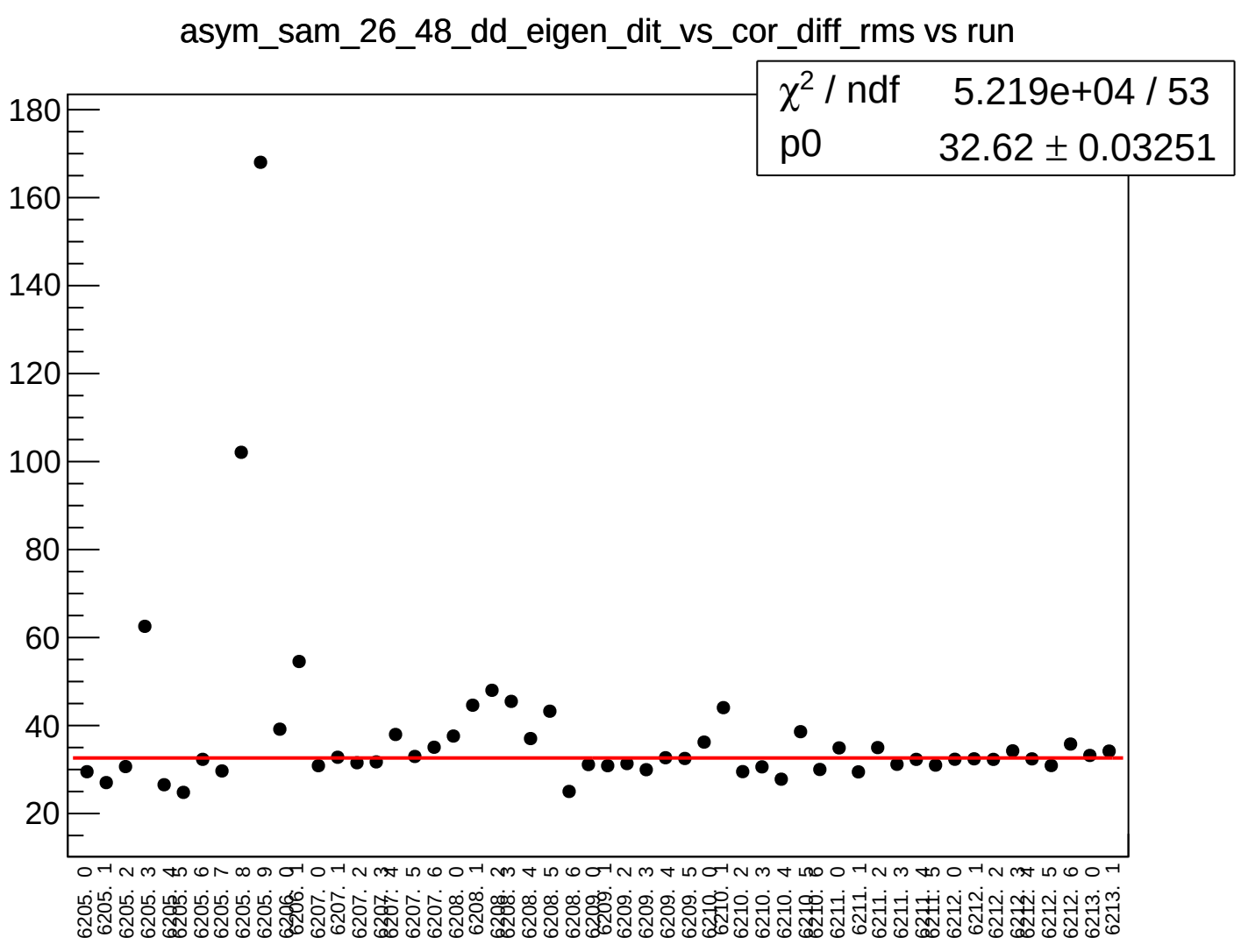

asym_sam_26_48_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.219e+04 / 53
p0 32.62 ± 0.0325
180
160
140
120
100
80
60
40
20
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_sam_26_48_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 41.99 / 53
p0 −1.862e−06 ± 1.062e−05
pull
Entries 54
Mean −38.41
Std Dev 0

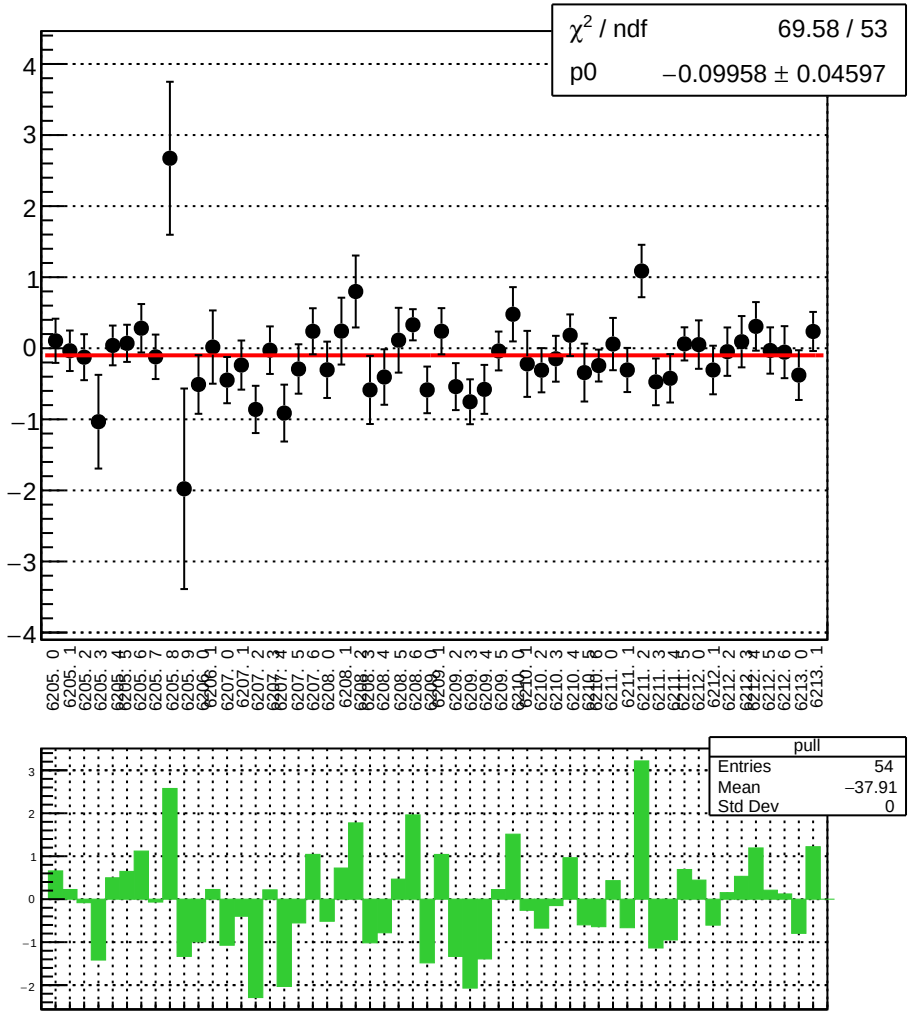

pull1D
Entries 54
Mean −0.01245
Std Dev 0.8817

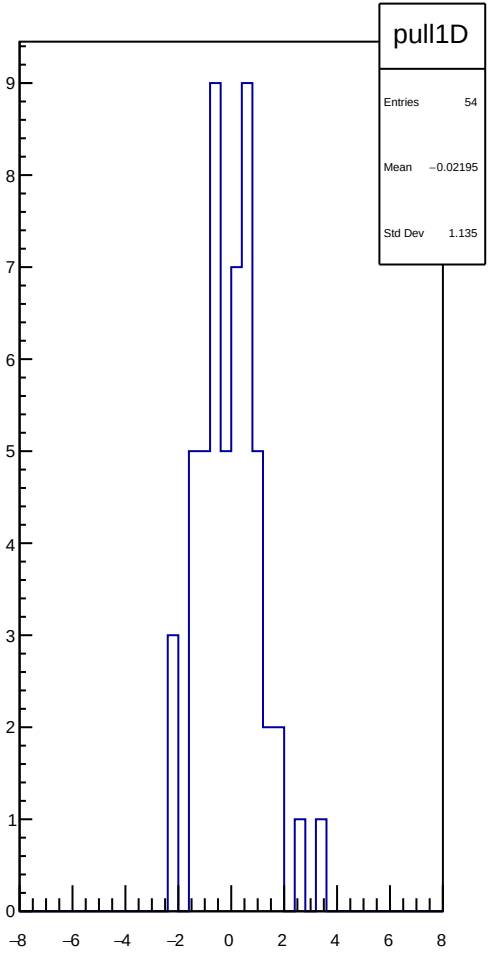

asym_sam_26_48_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1942 / 53
p0 0.007726 ± 7.513e−06
0.0086
0.0084
0.0082
0.008
0.0078
0.0076
0.0074
0.0072
0.007
0.0068
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

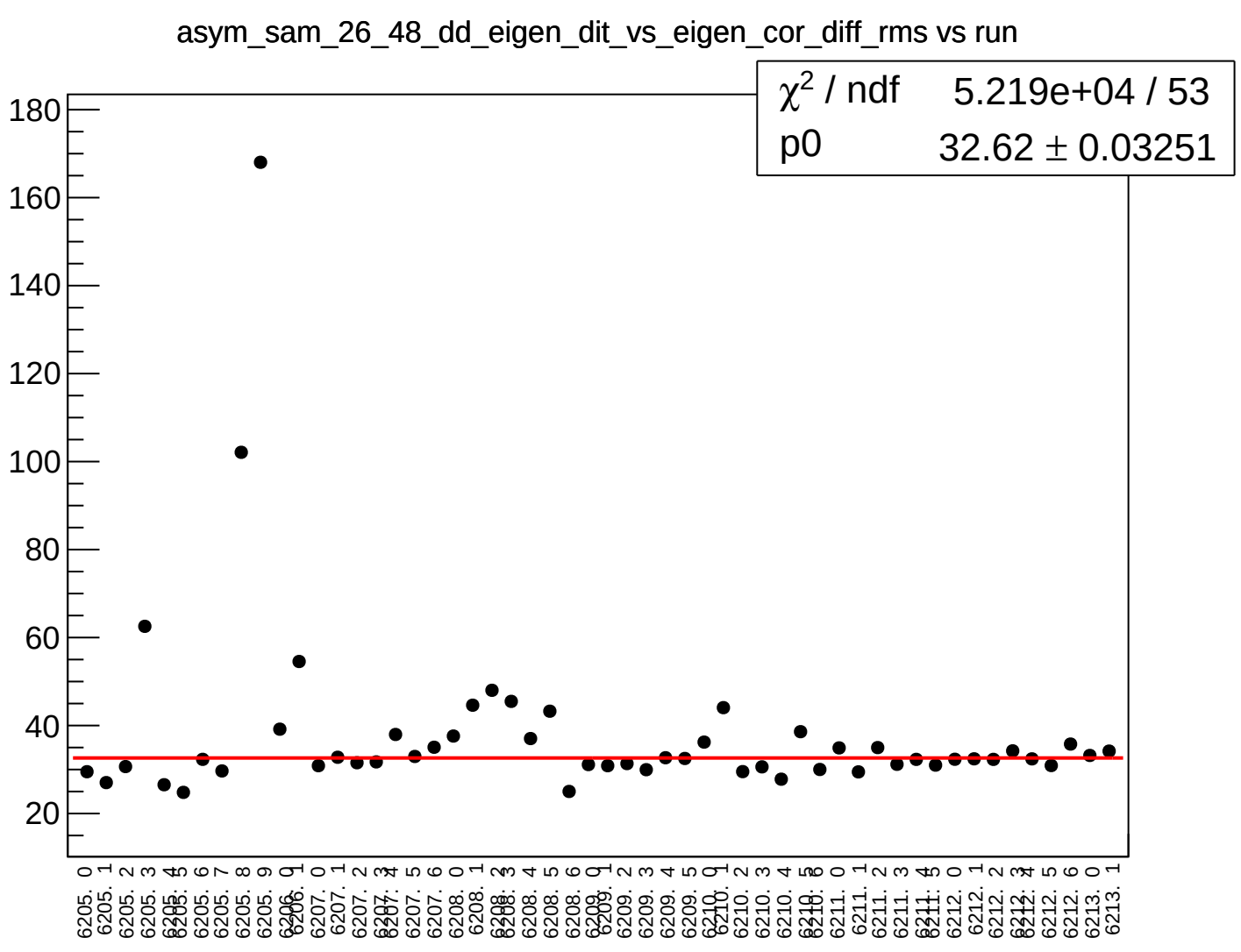

asym_sam_26_48_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 69.58 / 53
p0 −0.09958 ± 0.04597
pull
Entries 54
Mean −37.91
Std Dev 0
pull1D
Entries 54
Mean −0.02195
Std Dev 1.135

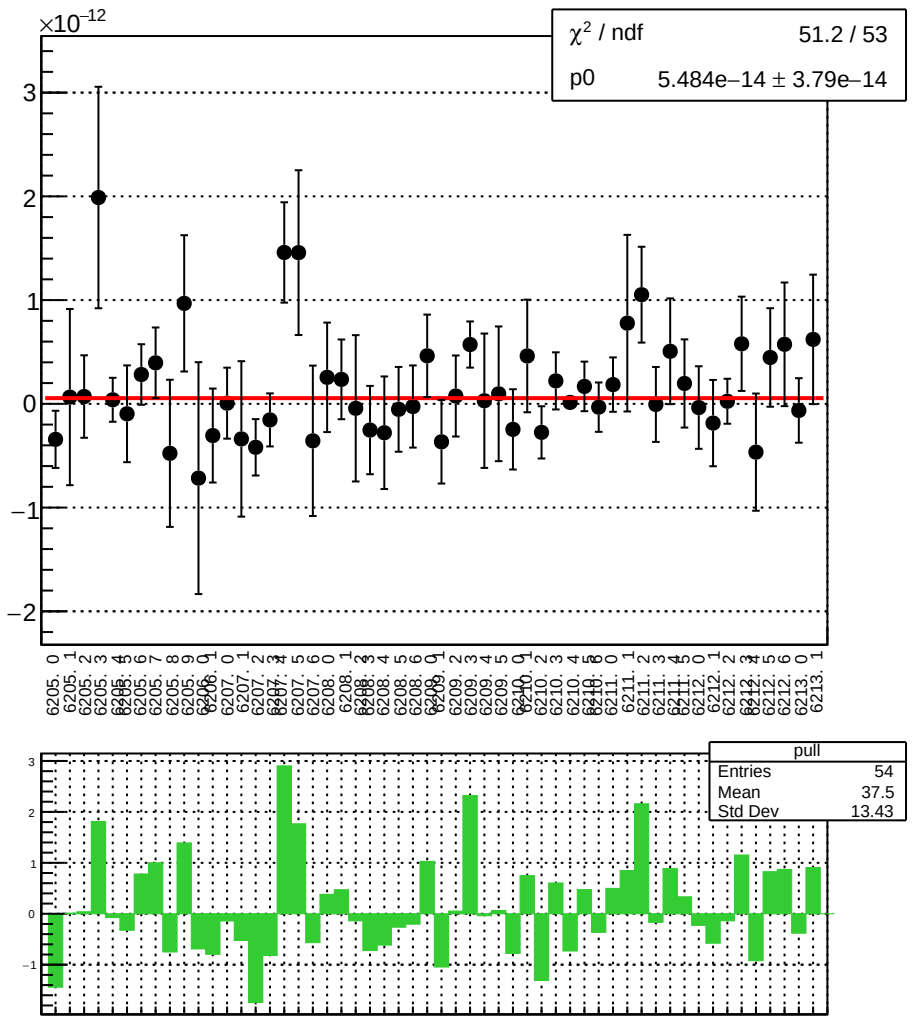

asym_sam_26_48_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.219e+04 / 53
p0 32.62 ± 0.03251
180
160
140
120
100
80
60
40
20
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

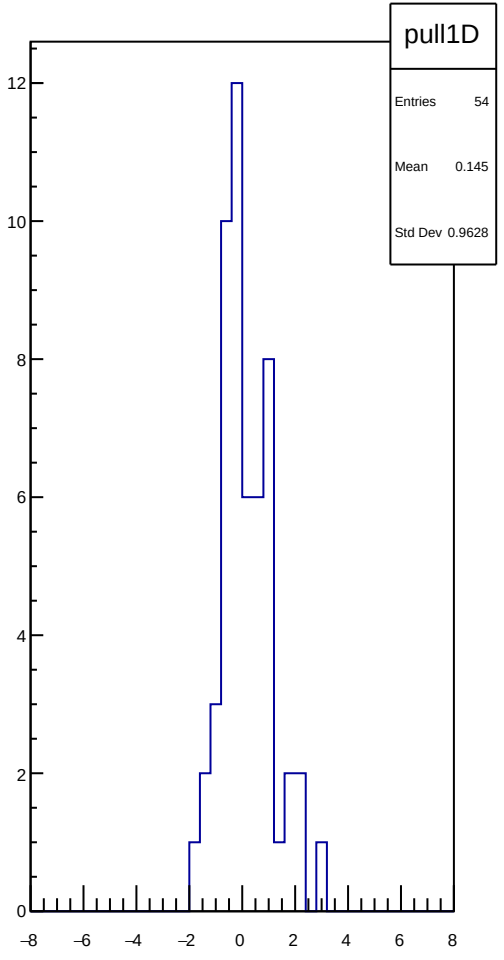
asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs run

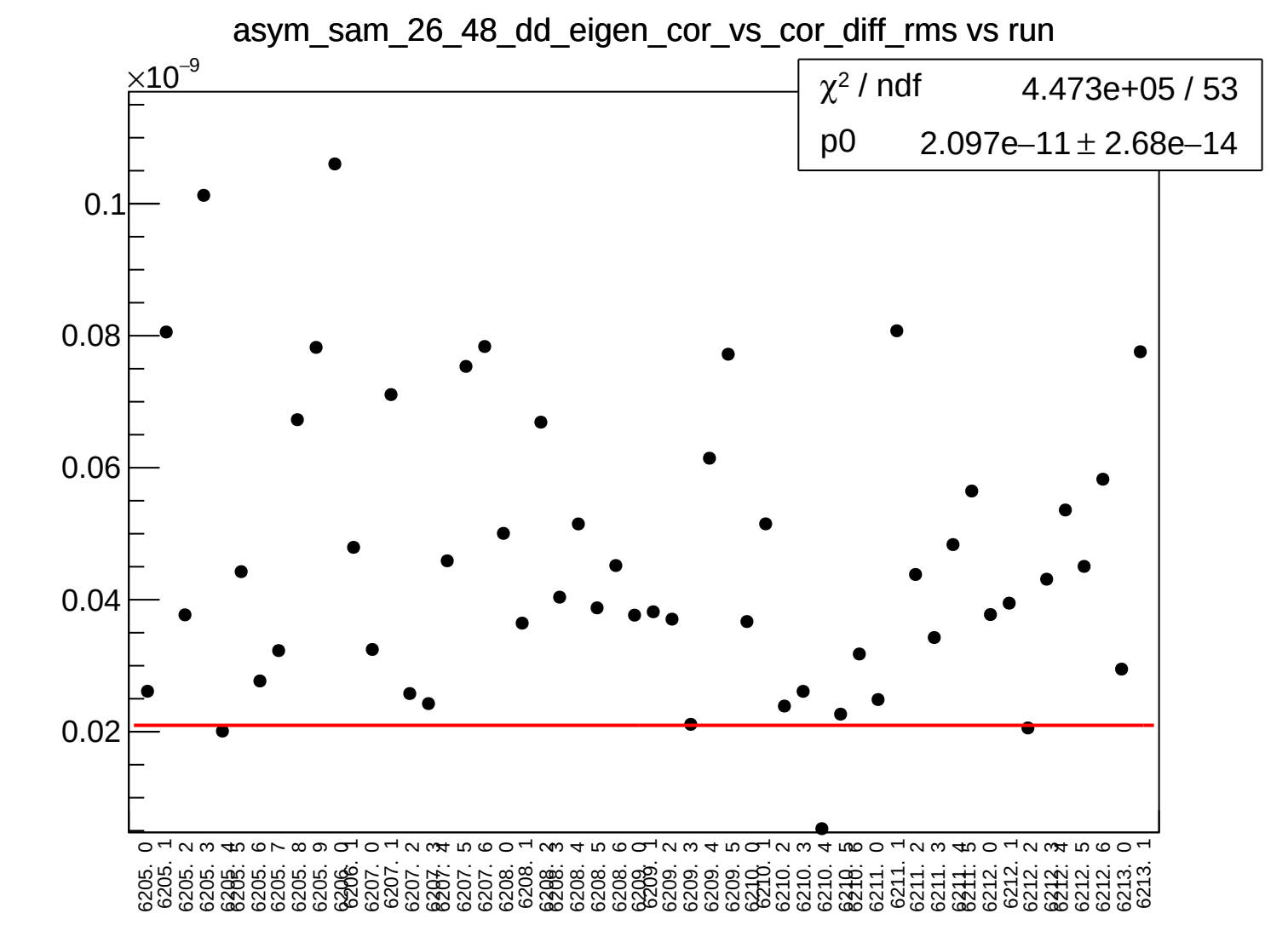


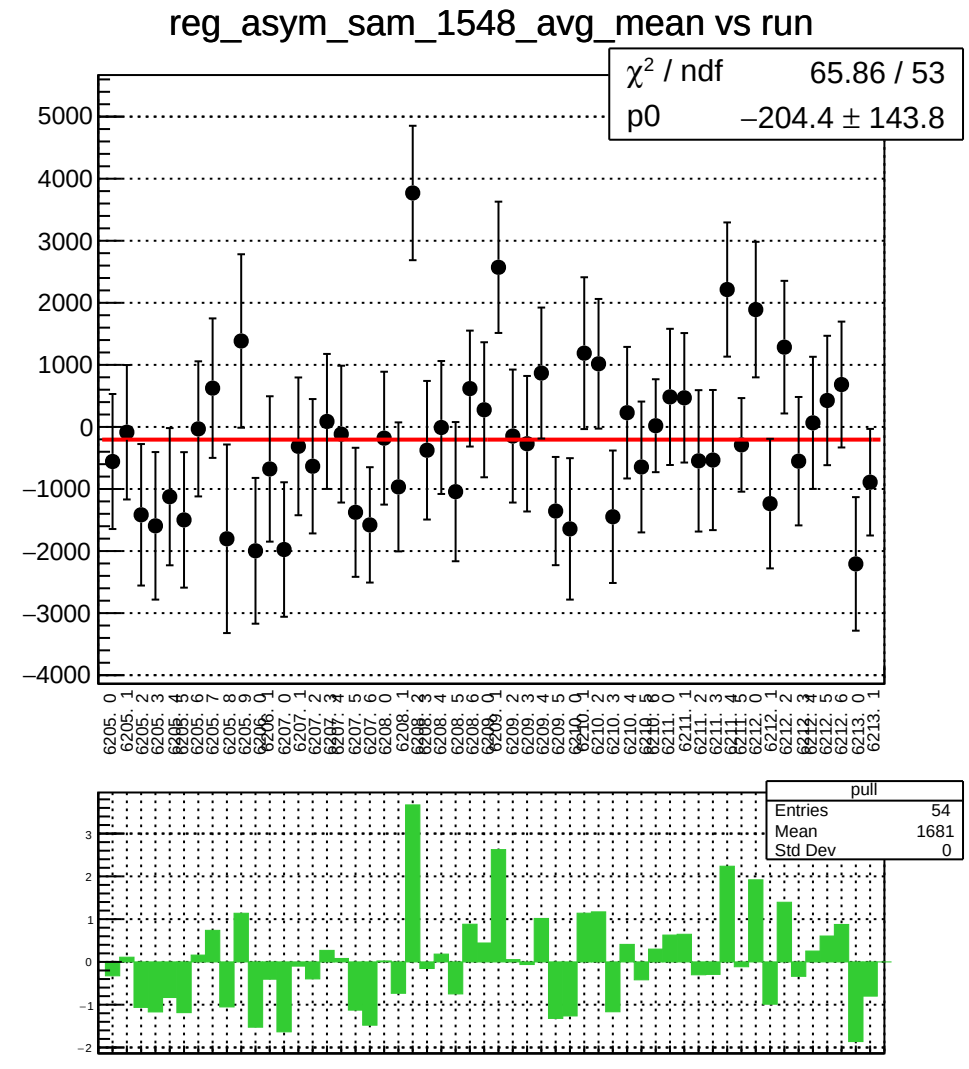


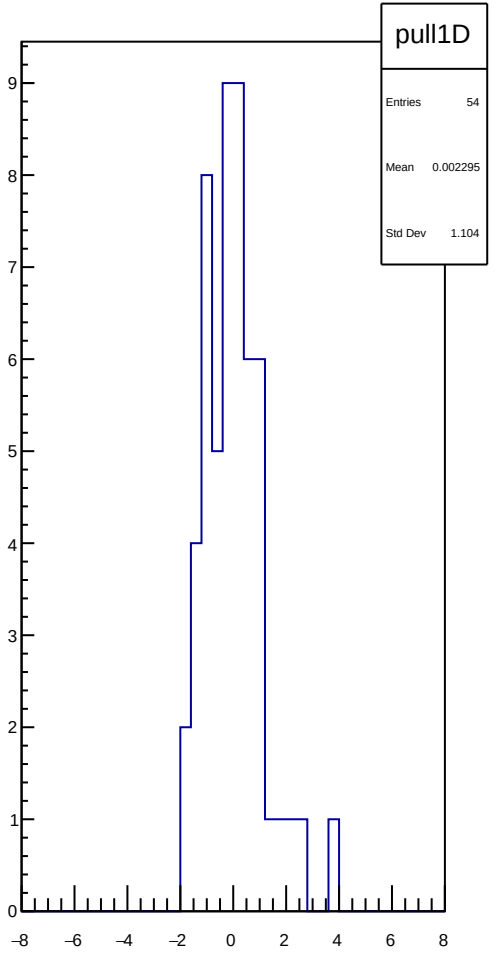

asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.219e+04 / 53
p0 32.62 ± 0.03251
180
160
140
120
100
80
60
40
20
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 1
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

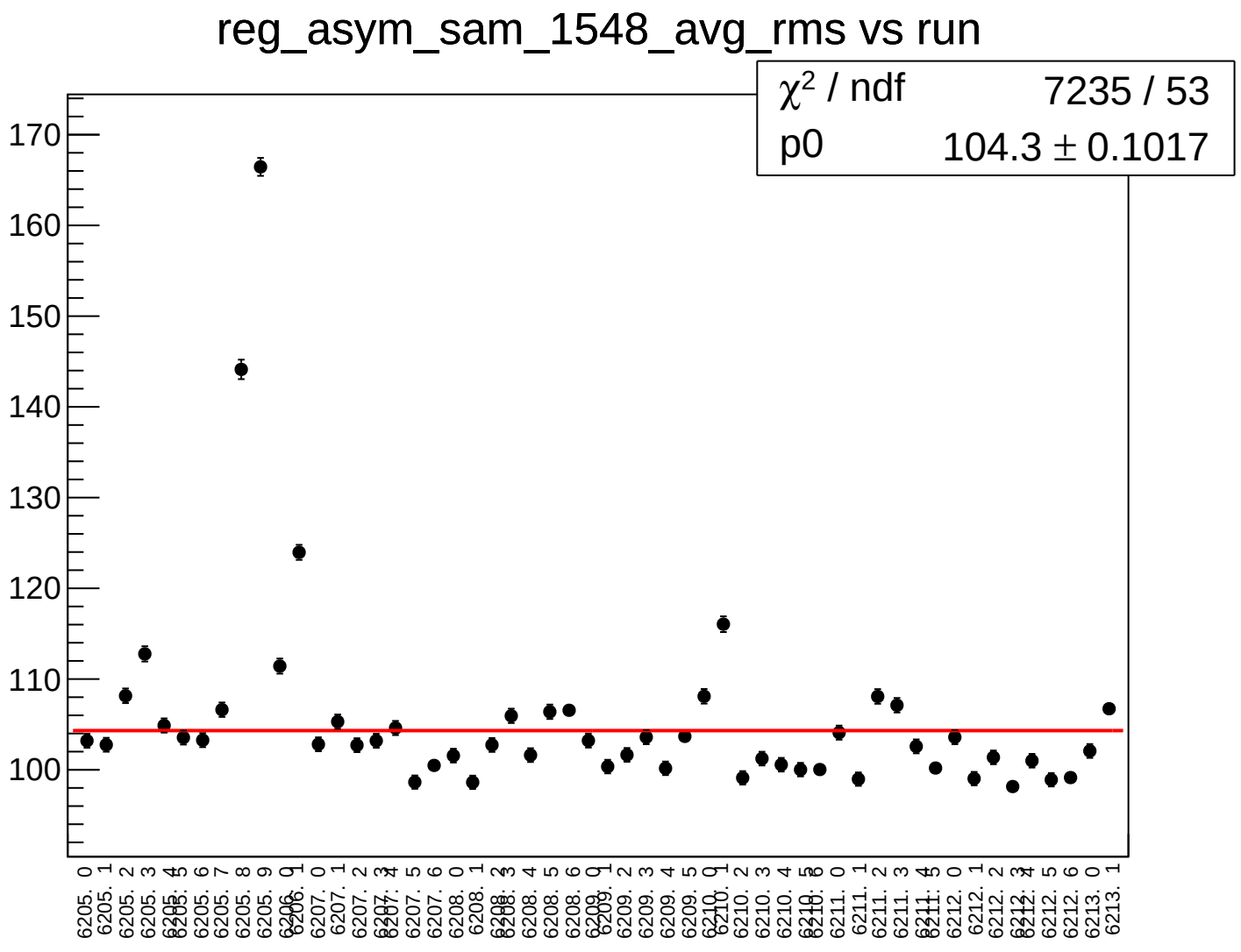

asym_sam_26_48_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 51.2 / 53
p0 5.484e−14 ± 3.79e−14
pull
Entries 54
Mean 37.5
Std Dev 13.43

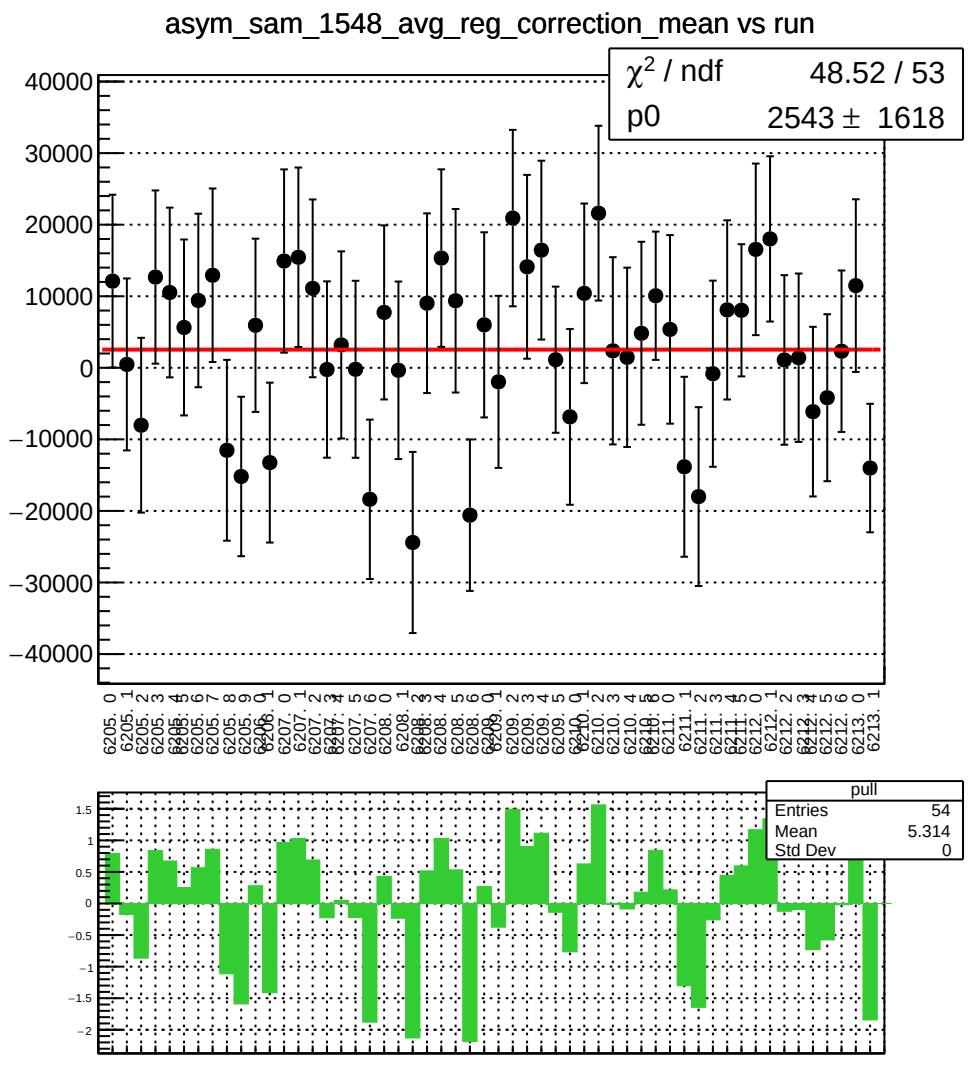

pull1D
Entries 54
Mean 0.145
Std Dev 0.9628

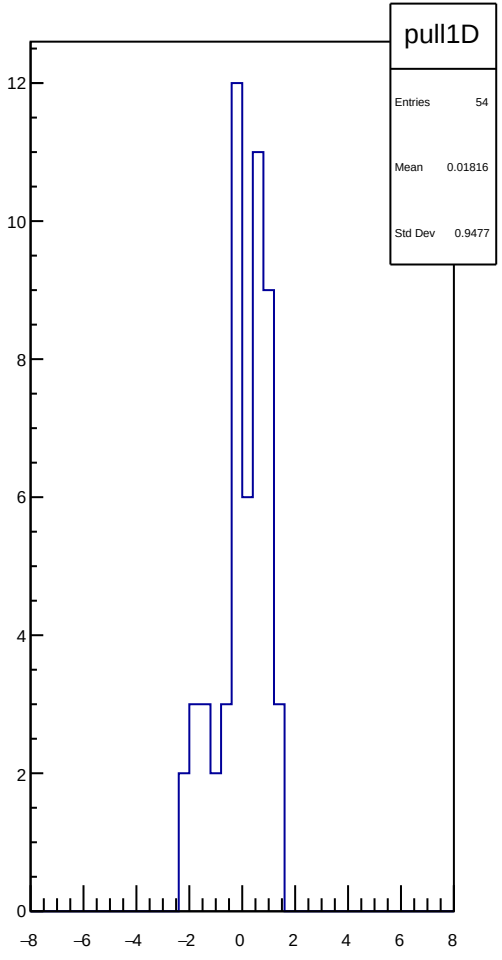

asym_sam_26_48_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.473e+05 / 53
p0 2.097e−11 ± 2.68e−14
0.1
0.08
0.06
0.04
0.02
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

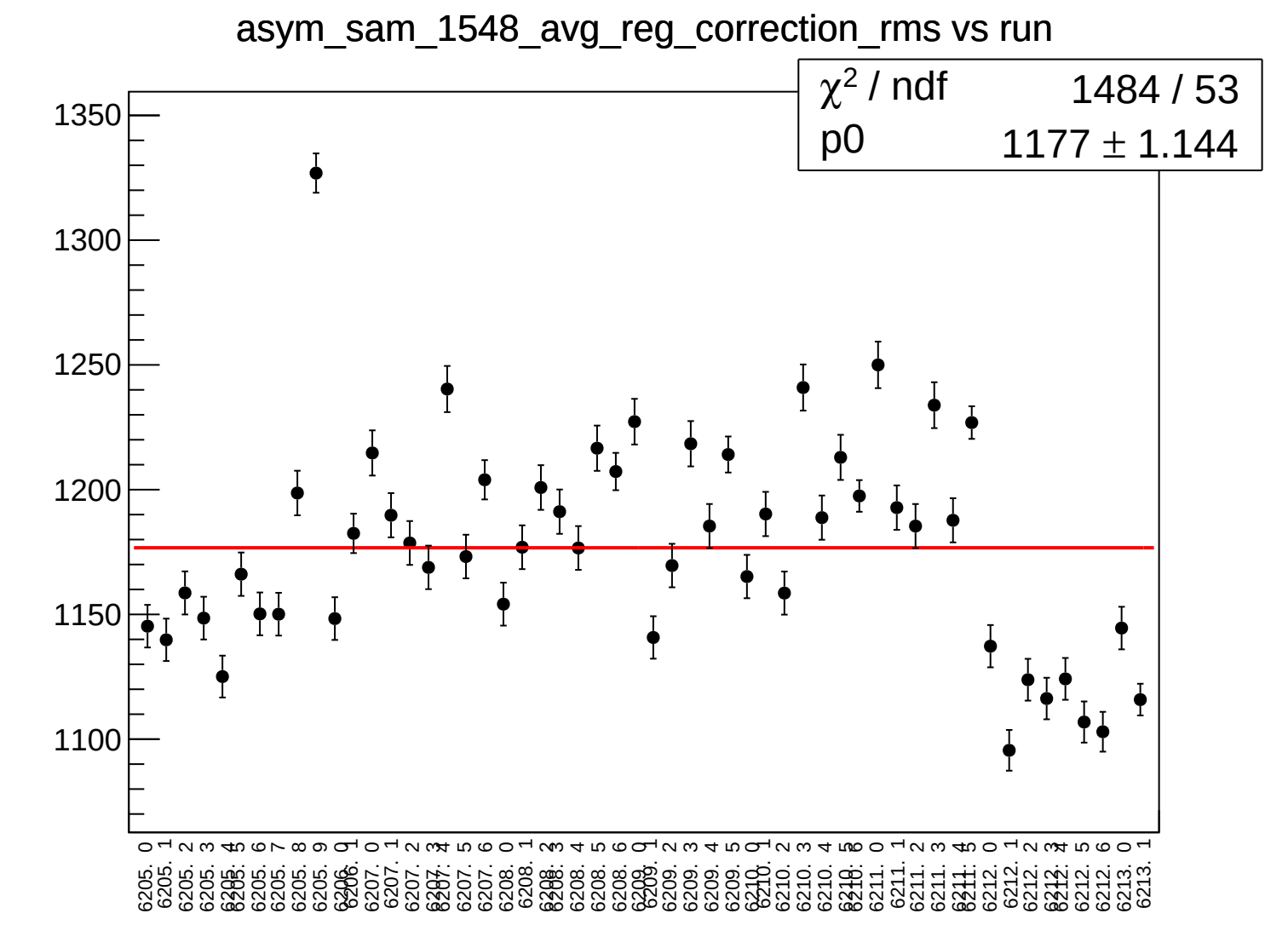

reg_asym_sam_1548_avg_mean vs run
χ² / ndf 65.86 / 53
p0 −204.4 ± 143.8
pull
Entries 54
Mean 1681
Std Dev 0

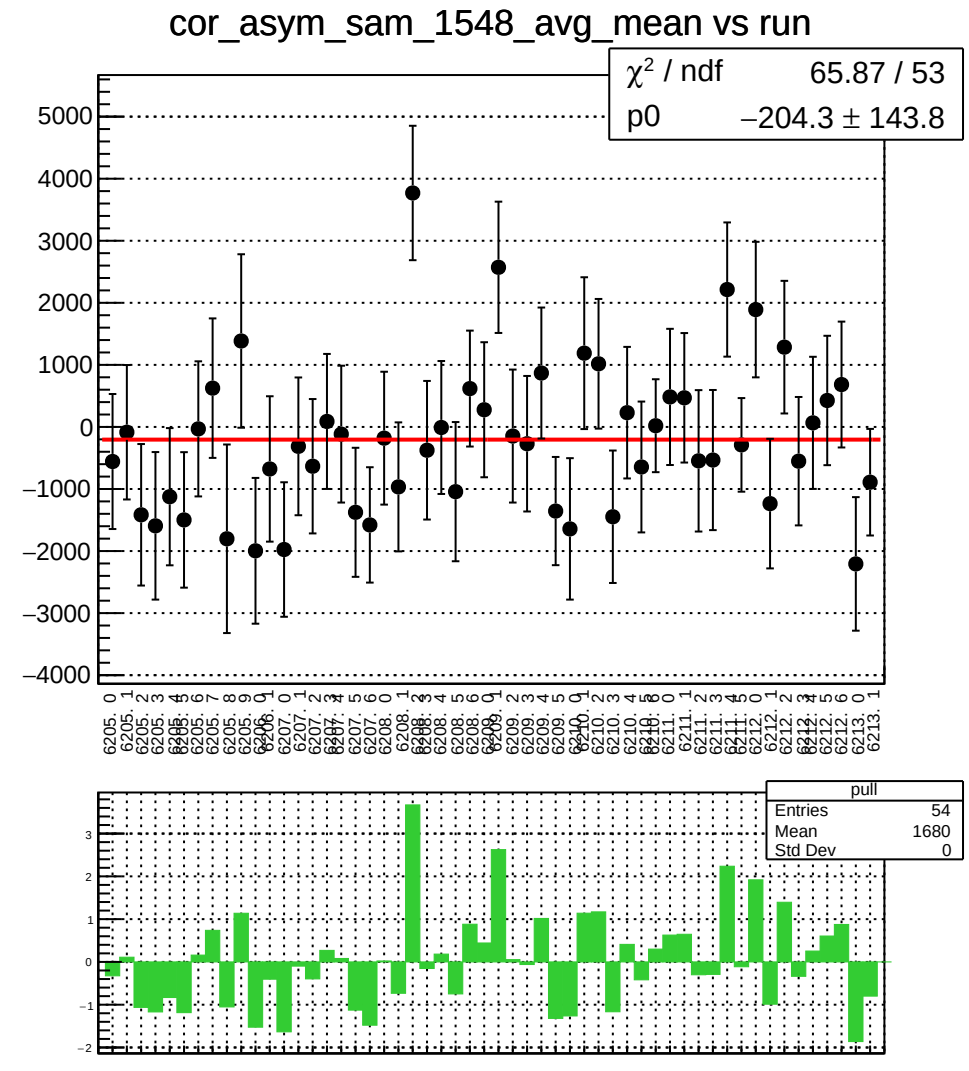

pull1D
Entries 54
Mean 0.002295
Std Dev 1.104

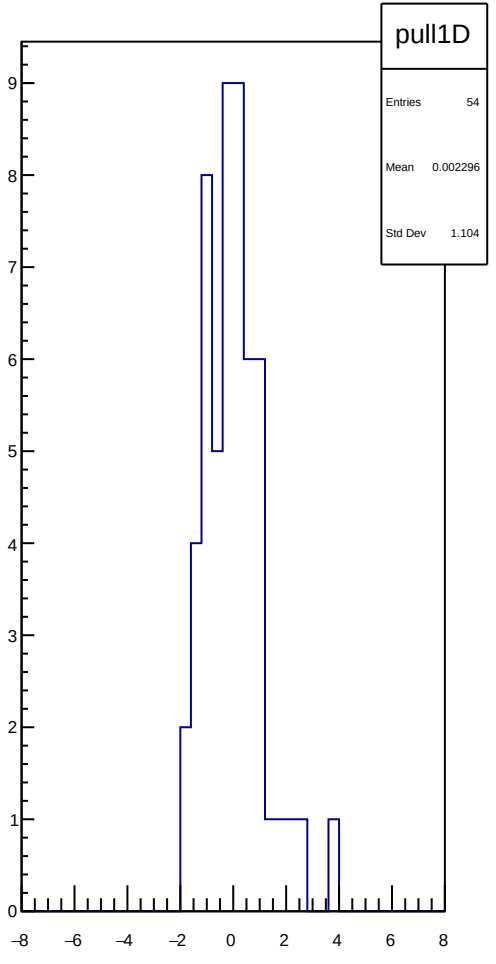

reg_asym_sam_1548_avg_rms vs run
χ² / ndf 7235 / 53
p0 104.3 ± 0.1017
170
160
150
140
130
120
110
100
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

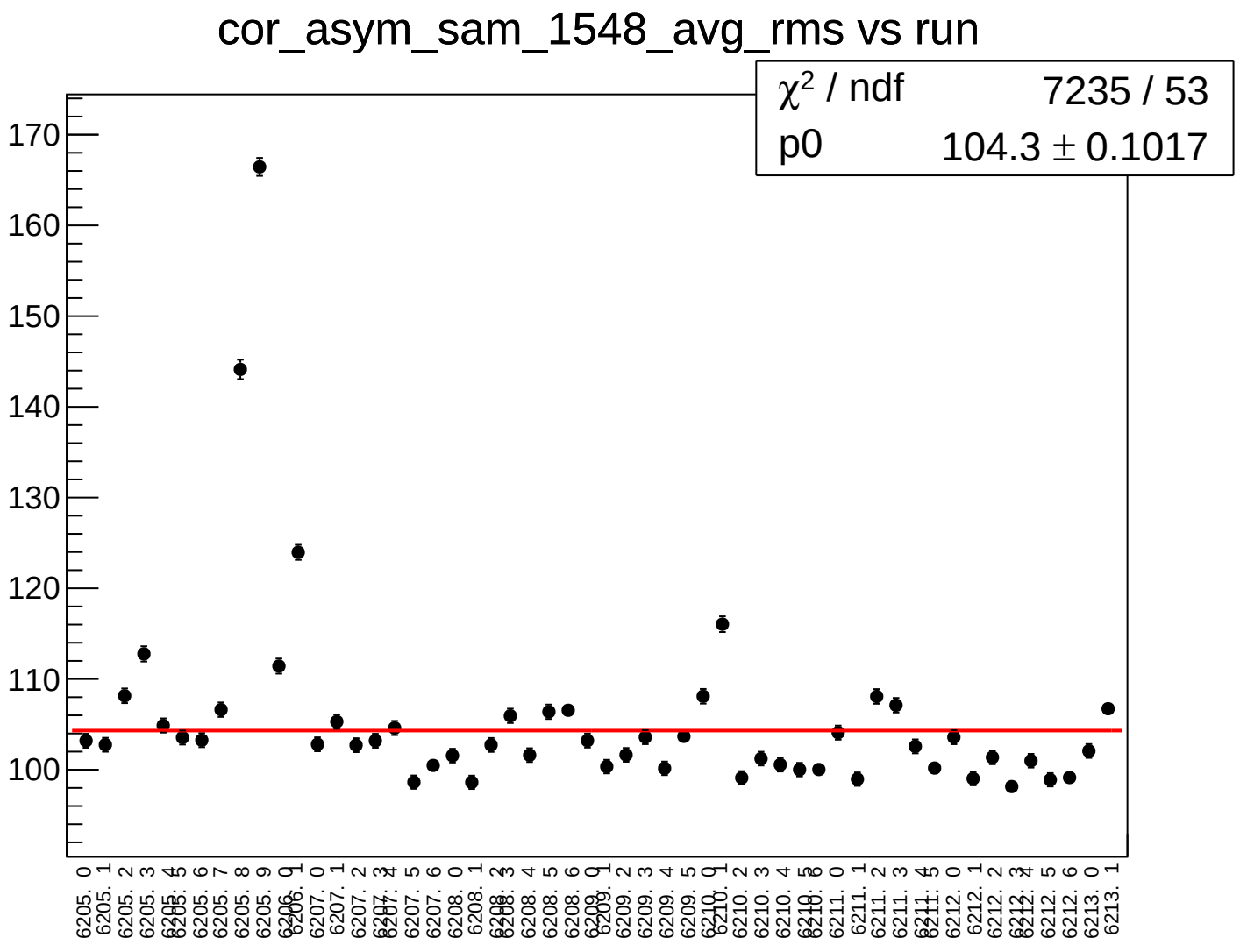

asym_sam_1548_avg_reg_correction_mean vs run
χ² / ndf 48.52 / 53
p0 2543 ± 1618
pull
Entries 54
Mean 5.314
Std Dev 0


pull1D
Entries 54
Mean 0.01816
Std Dev 0.9477


asym_sam_1548_avg_reg_correction_rms vs run
χ² / ndf 1484 / 53
p0 1177 ± 1.144
1350
1300
1250
1200
1150
1100
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


cor_asym_sam_1548_avg_mean vs run
χ² / ndf 65.87 / 53
p0 −204.3 ± 143.8
pull
Entries 54
Mean 1680
Std Dev 0


pull1D
Entries 54
Mean 0.002296
Std Dev 1.104


cor_asym_sam_1548_avg_rms vs run
χ² / ndf 7235 / 53
p0 104.3 ± 0.1017
170
160
150
140
130
120
110
100
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
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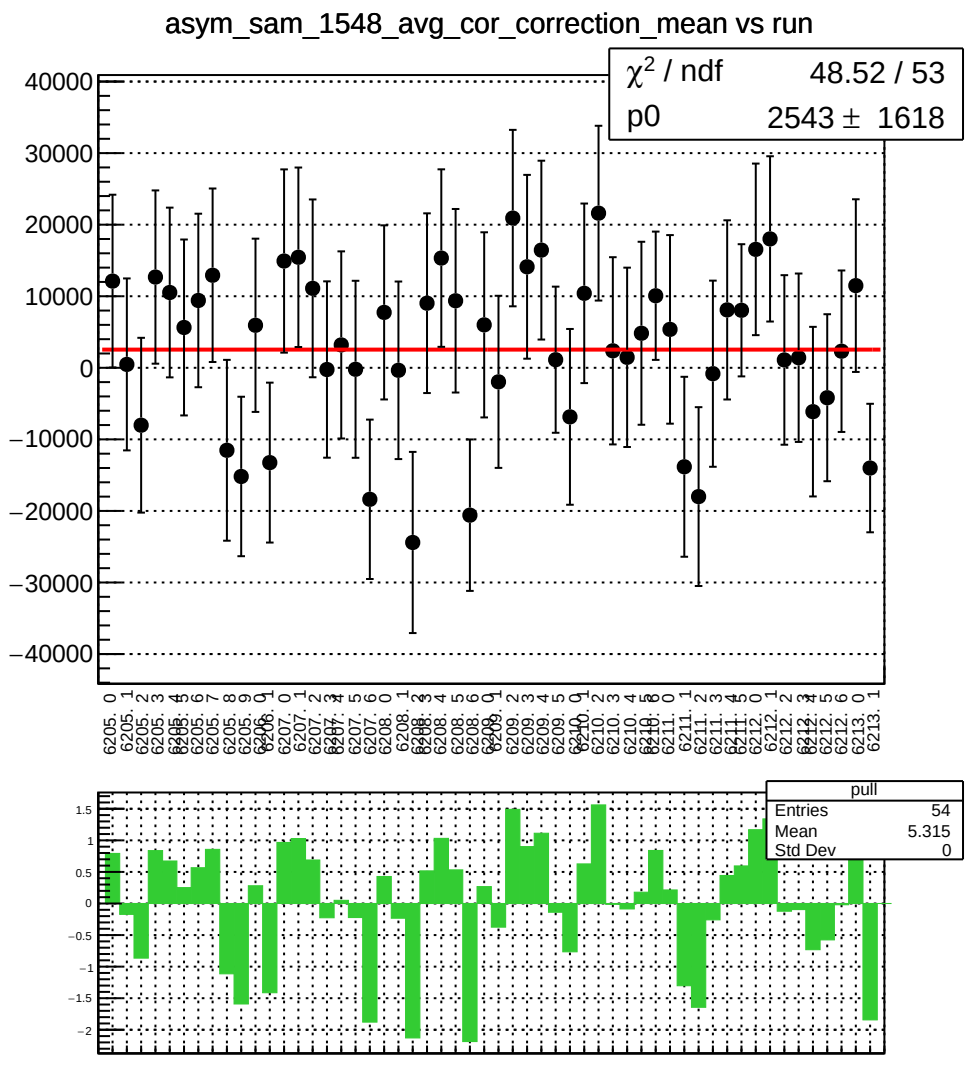
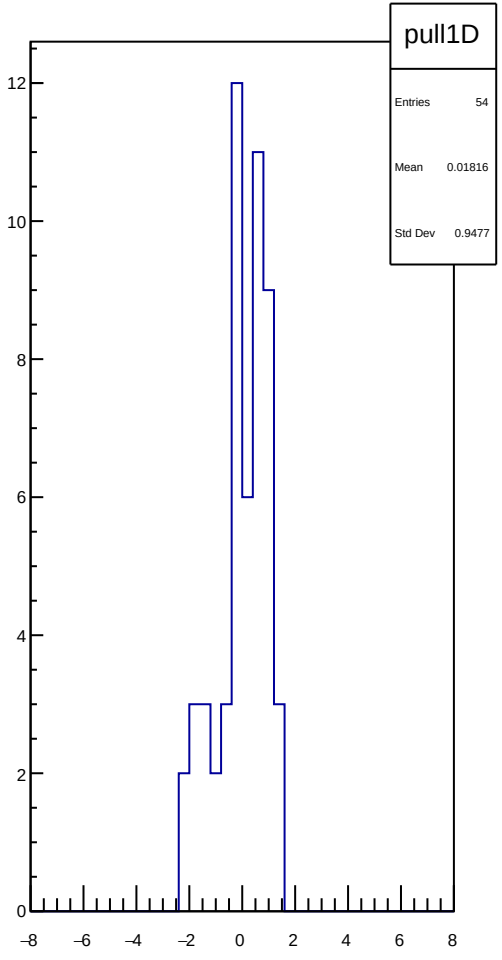
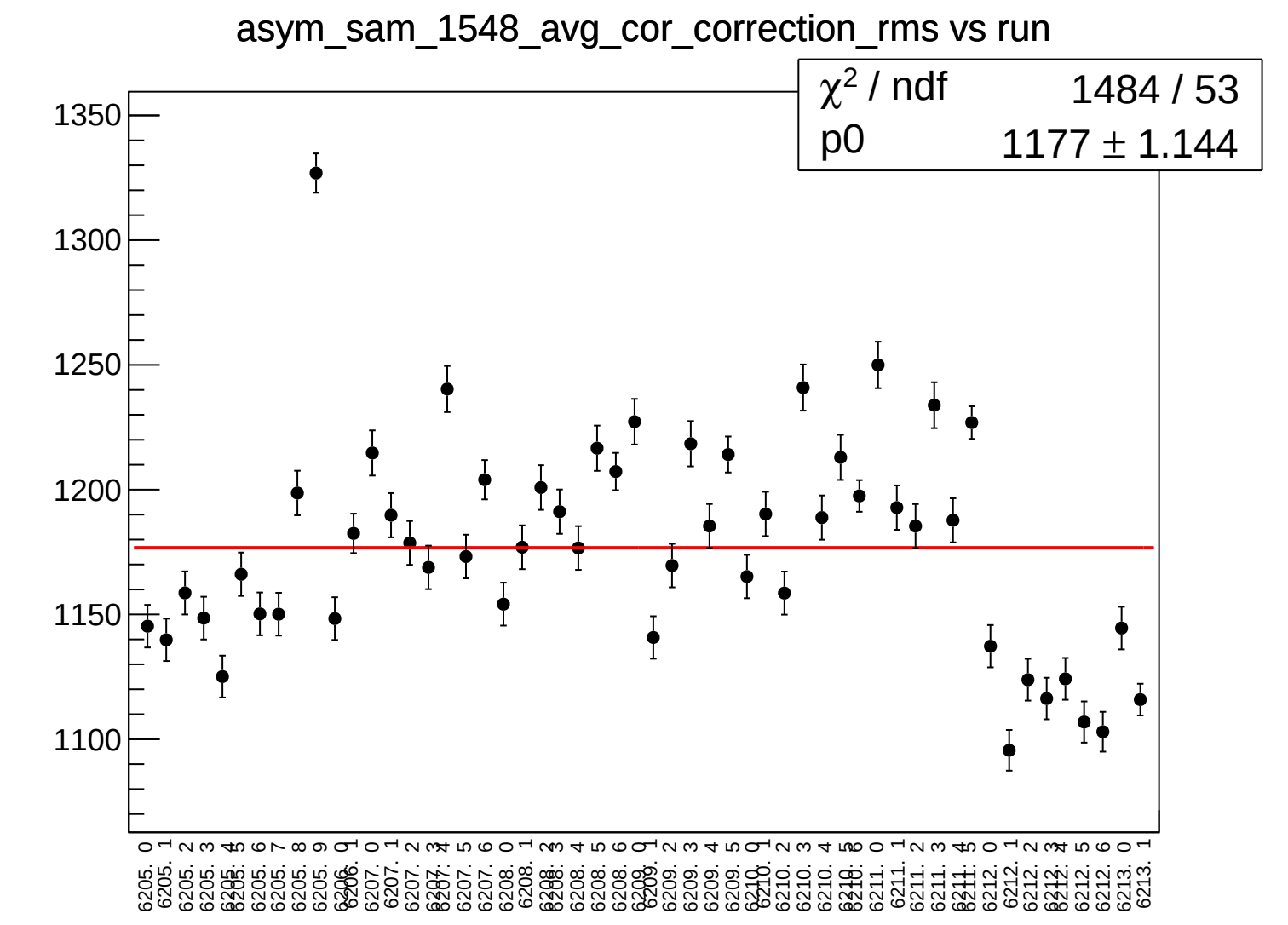
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_sam_1548_avg_cor_correction_mean vs run
χ² / ndf 48.52 / 53
p0 2543 ± 1618
pull
Entries 54
Mean 5.315
Std Dev 0


pull1D
Entries 54
Mean 0.01816
Std Dev 0.9477


asym_sam_1548_avg_cor_correction_rms vs run
χ² / ndf 1484 / 53
p0 1177 ± 1.144
1350
1300
1250
1200
1150
1100
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
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6207. 6
6208. 0
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6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
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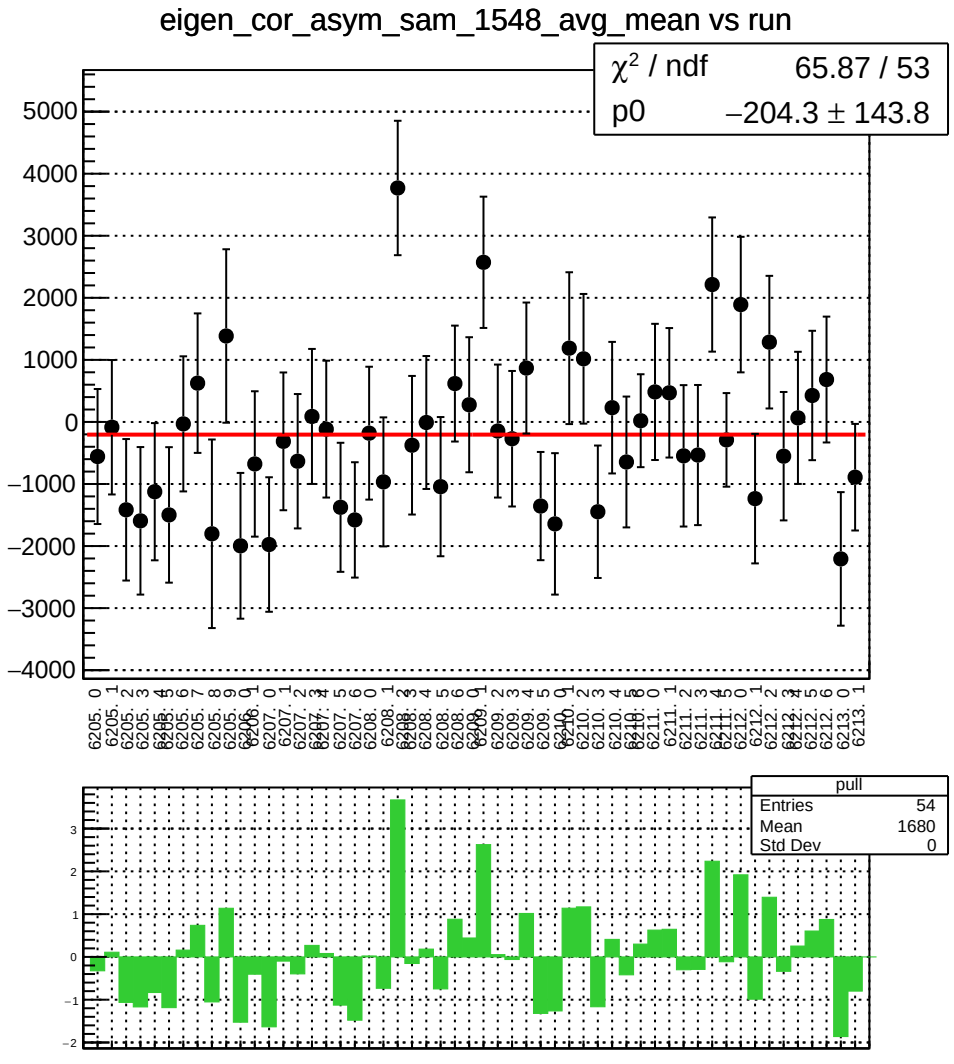
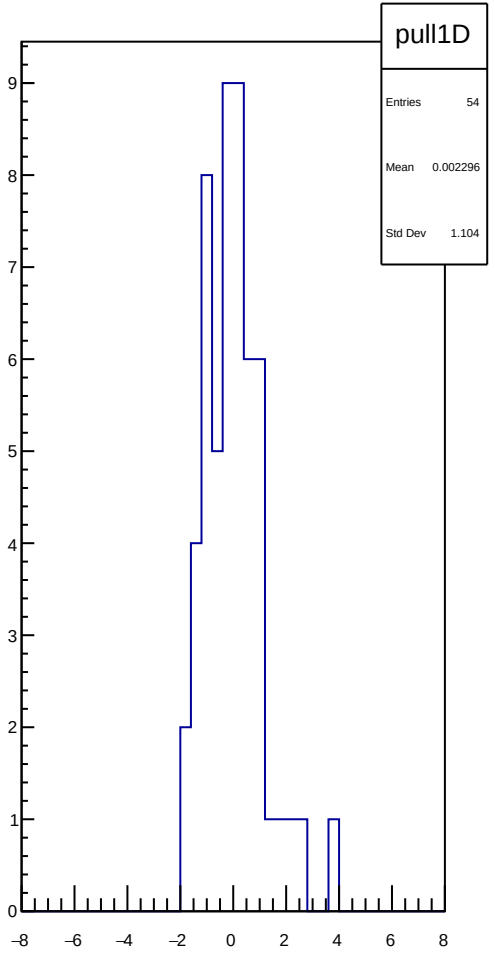
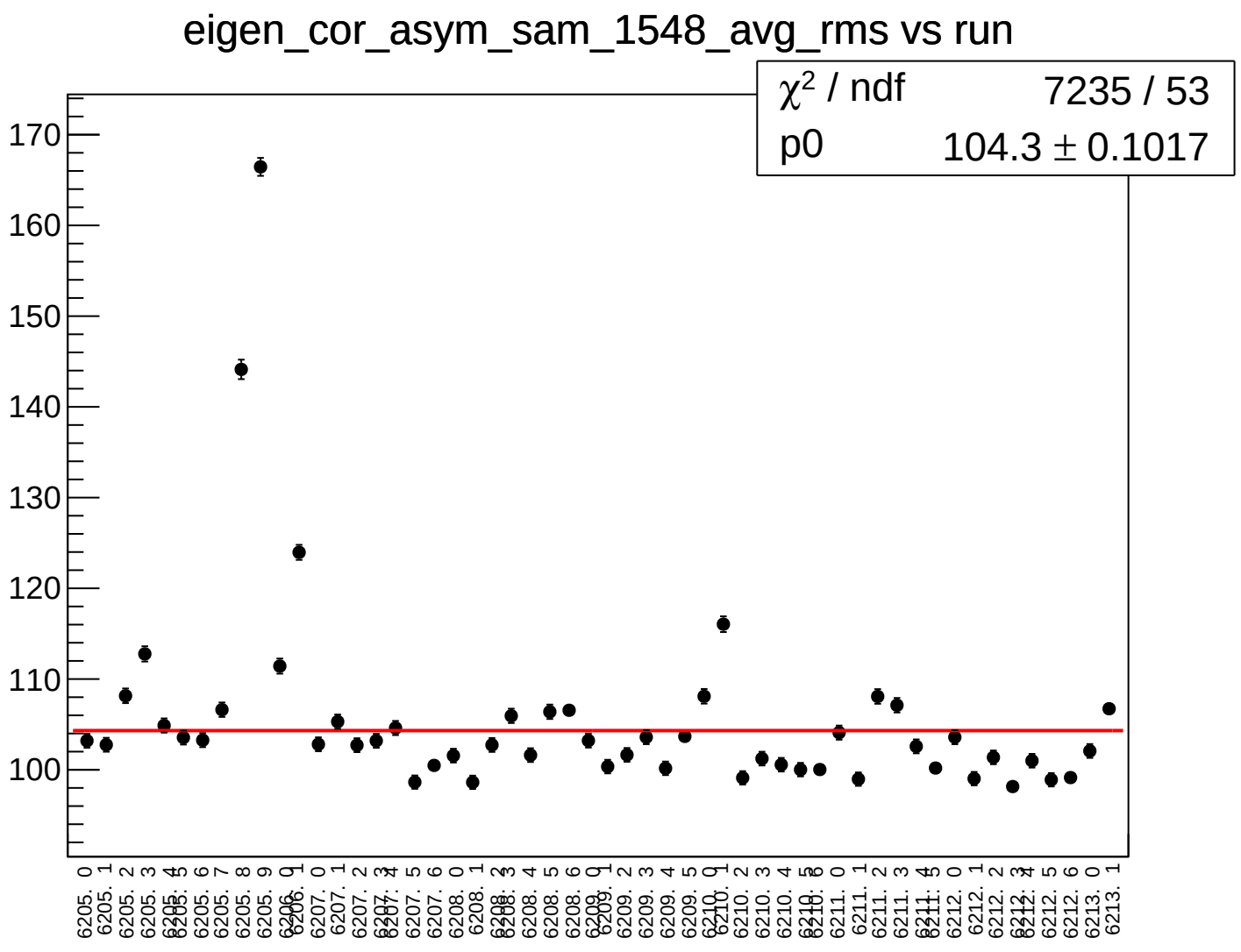
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


eigen_cor_asym_sam_1548_avg_mean vs run
χ² / ndf 65.87 / 53
p0 −204.3 ± 143.8
pull
Entries 54
Mean 1680
Std Dev 0


pull1D
Entries 54
Mean 0.002296
Std Dev 1.104


eigen_cor_asym_sam_1548_avg_rms vs run
χ² / ndf 7235 / 53
p0 104.3 ± 0.1017
170
160
150
140
130
120
110
100
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
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6208. 0
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6212. 2
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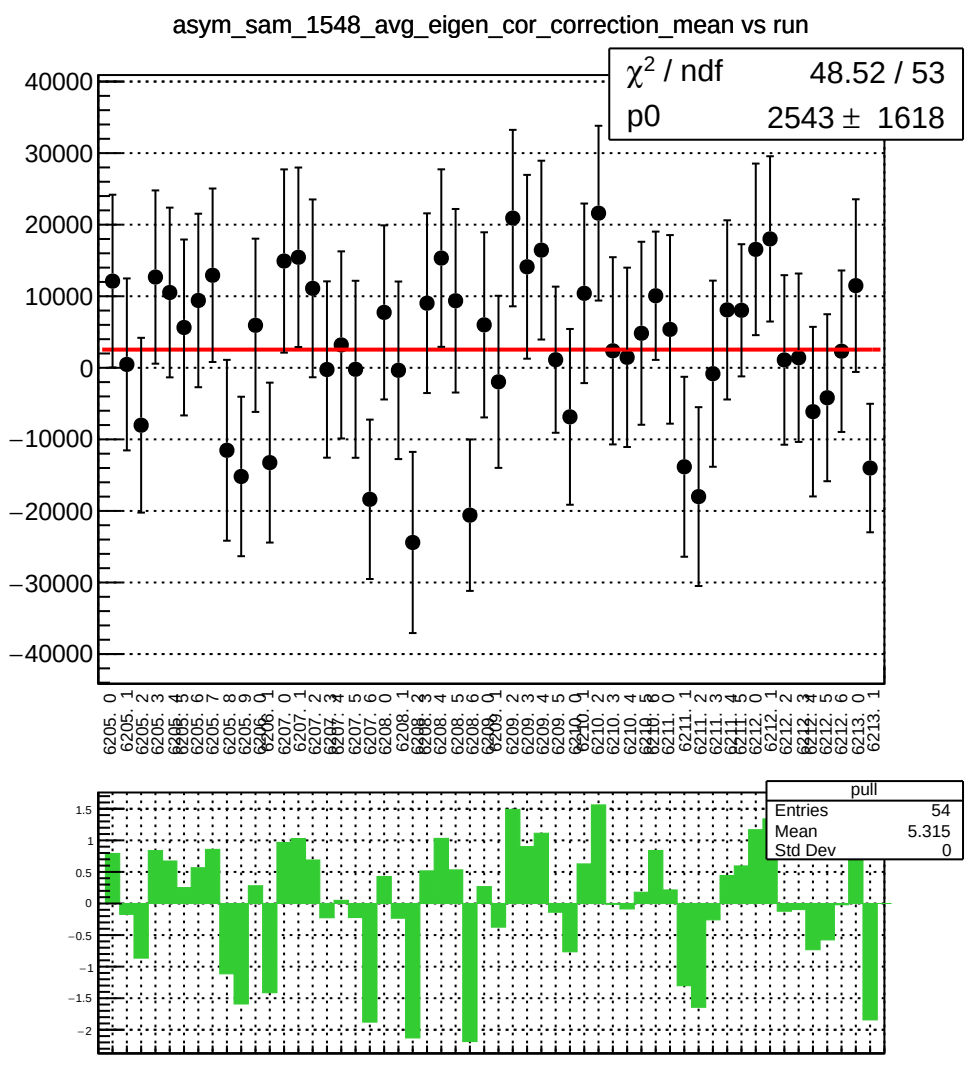
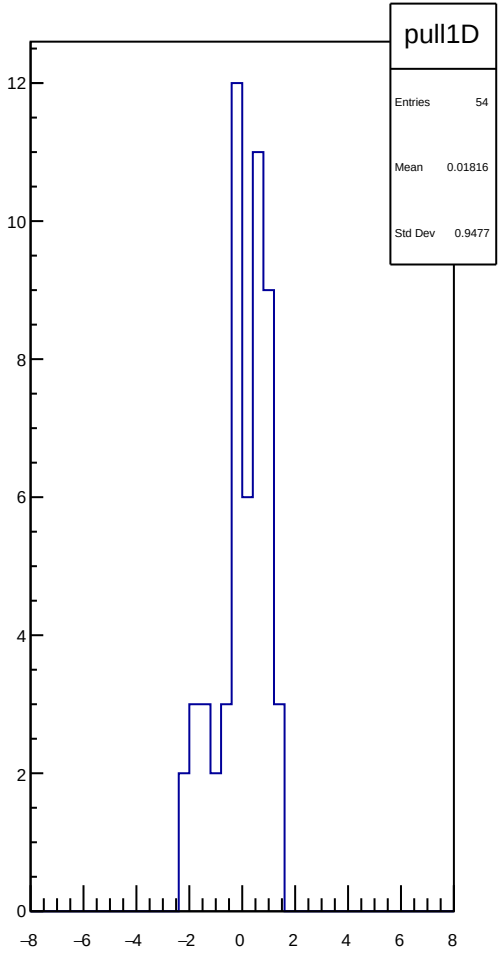
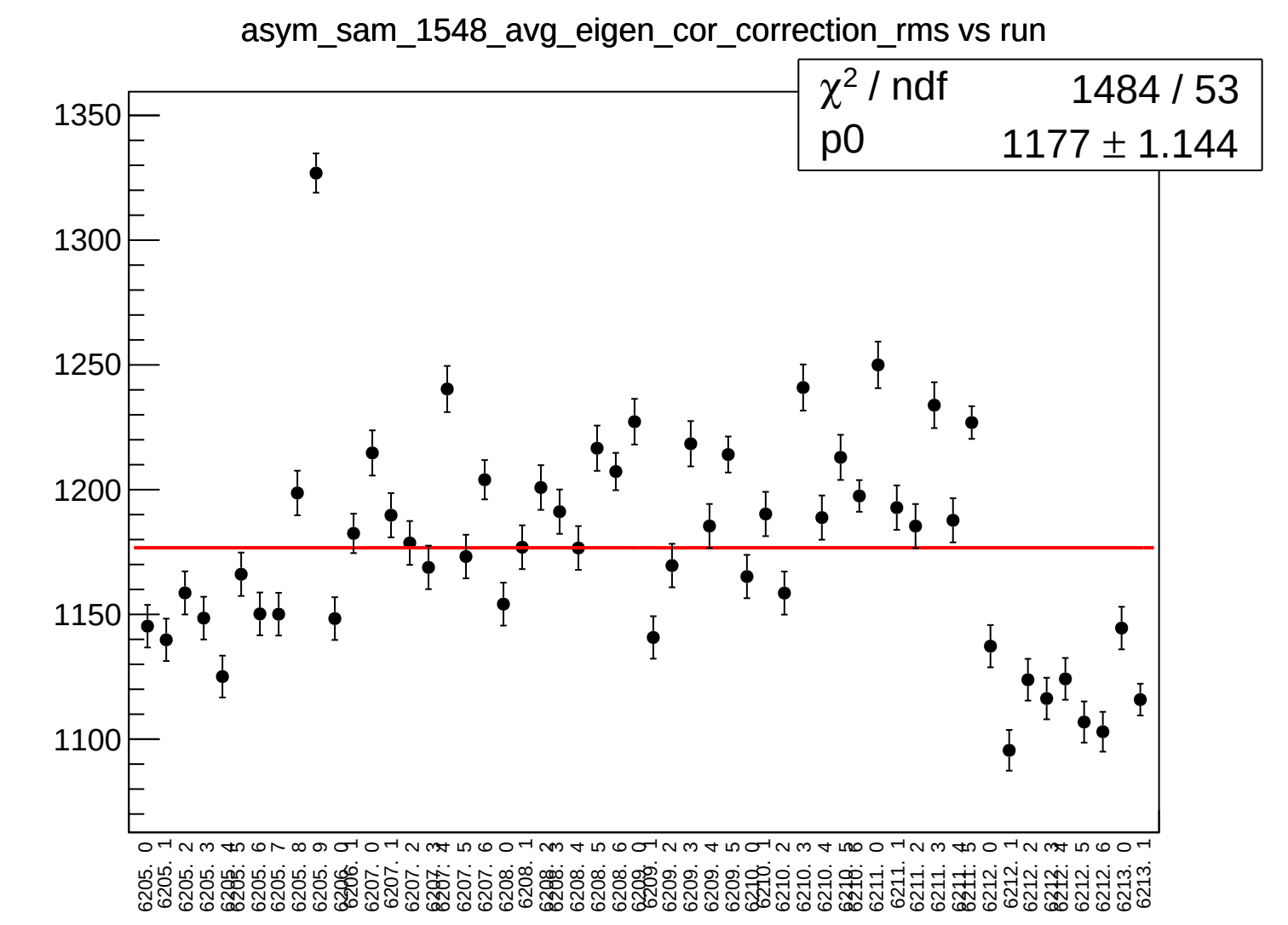
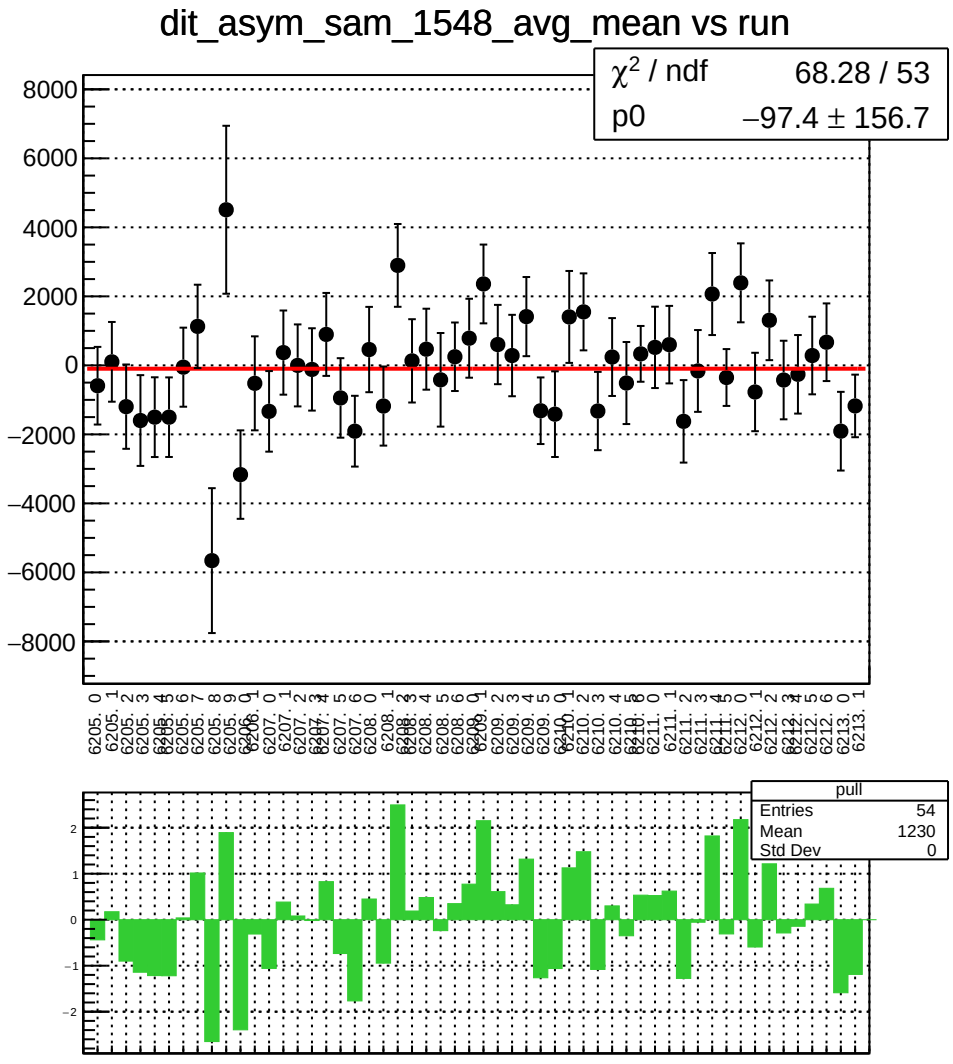
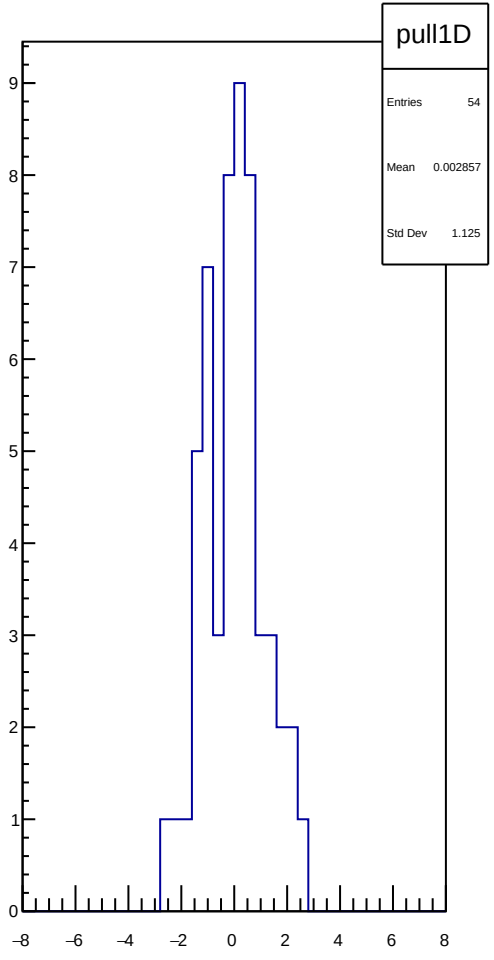
6212. 6
6213. 0
6213. 1

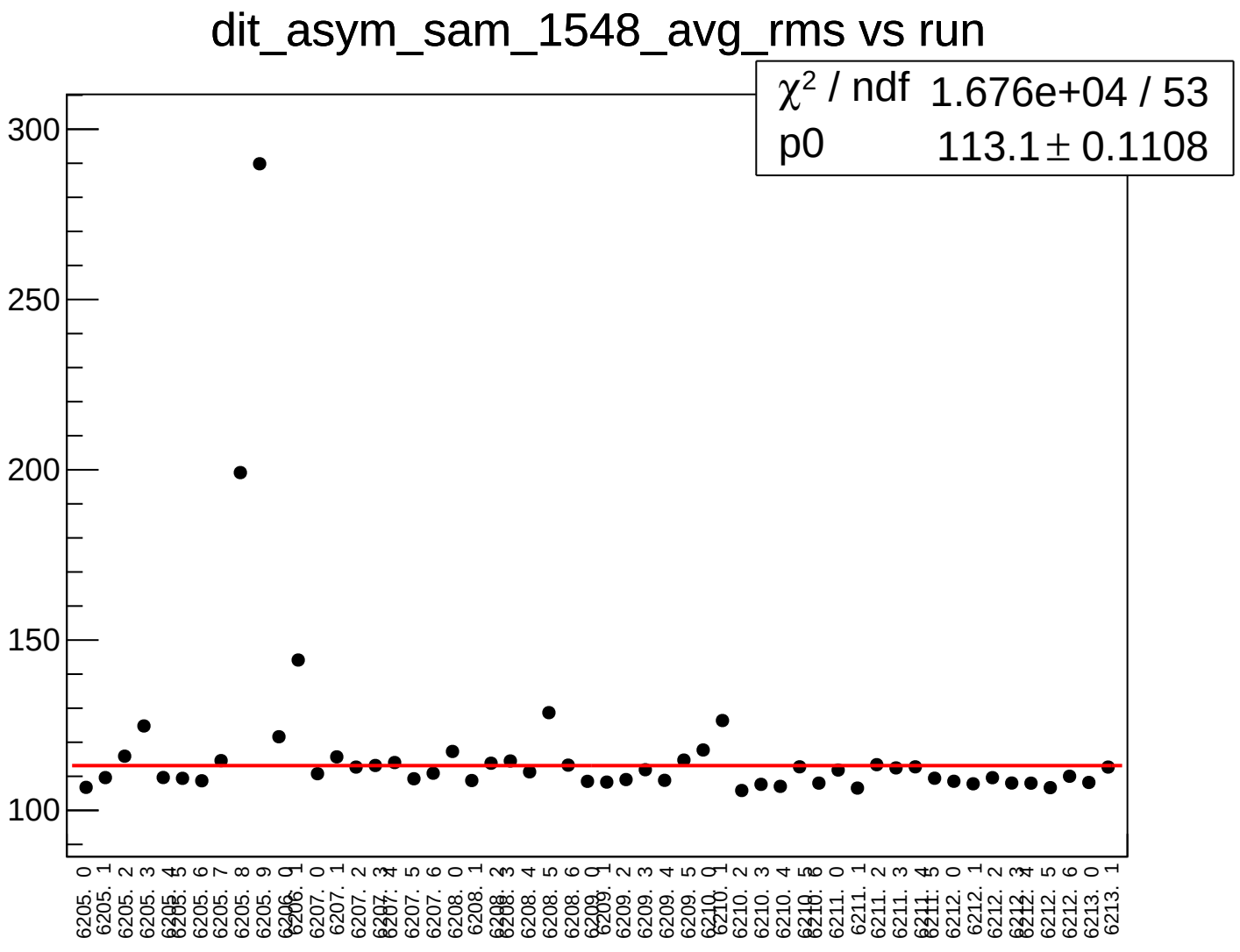

asym_sam_1548_avg_eigen_cor_correction_mean vs run
χ² / ndf 48.52 / 53
p0 2543 ± 1618
pull
Entries 54
Mean 5.315
Std Dev 0

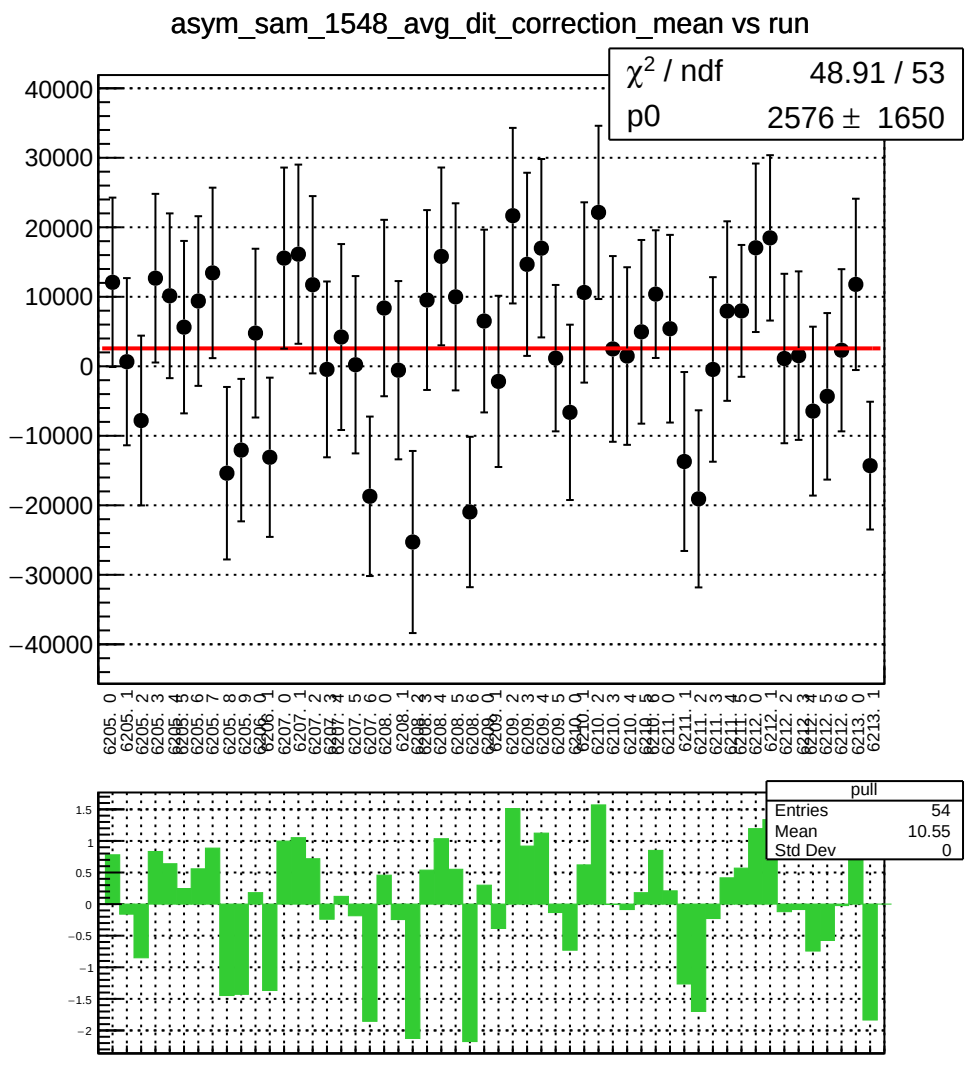

pull1D
Entries 54
Mean 0.01816
Std Dev 0.9477

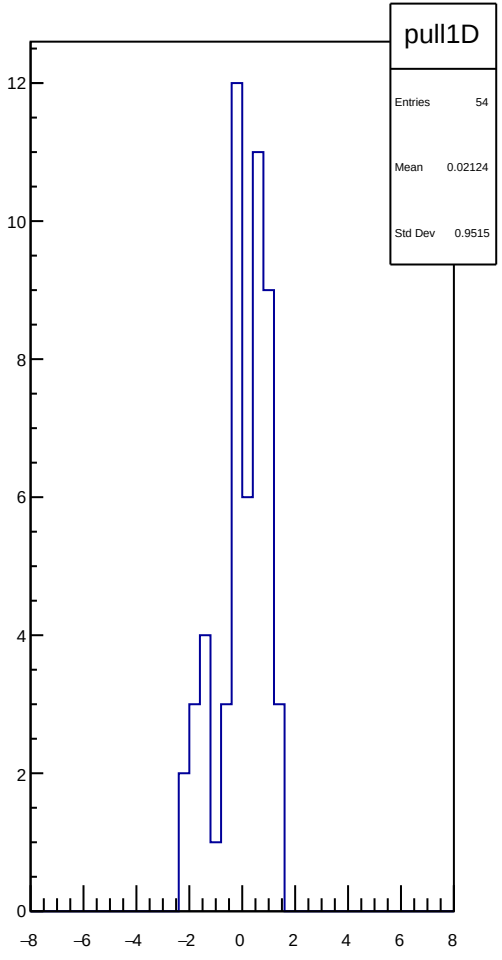

asym_sam_1548_avg_eigen_cor_correction_rms vs run
χ² / ndf 1484 / 53
p0 1177 ± 1.144
1350
1300
1250
1200
1150
1100
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

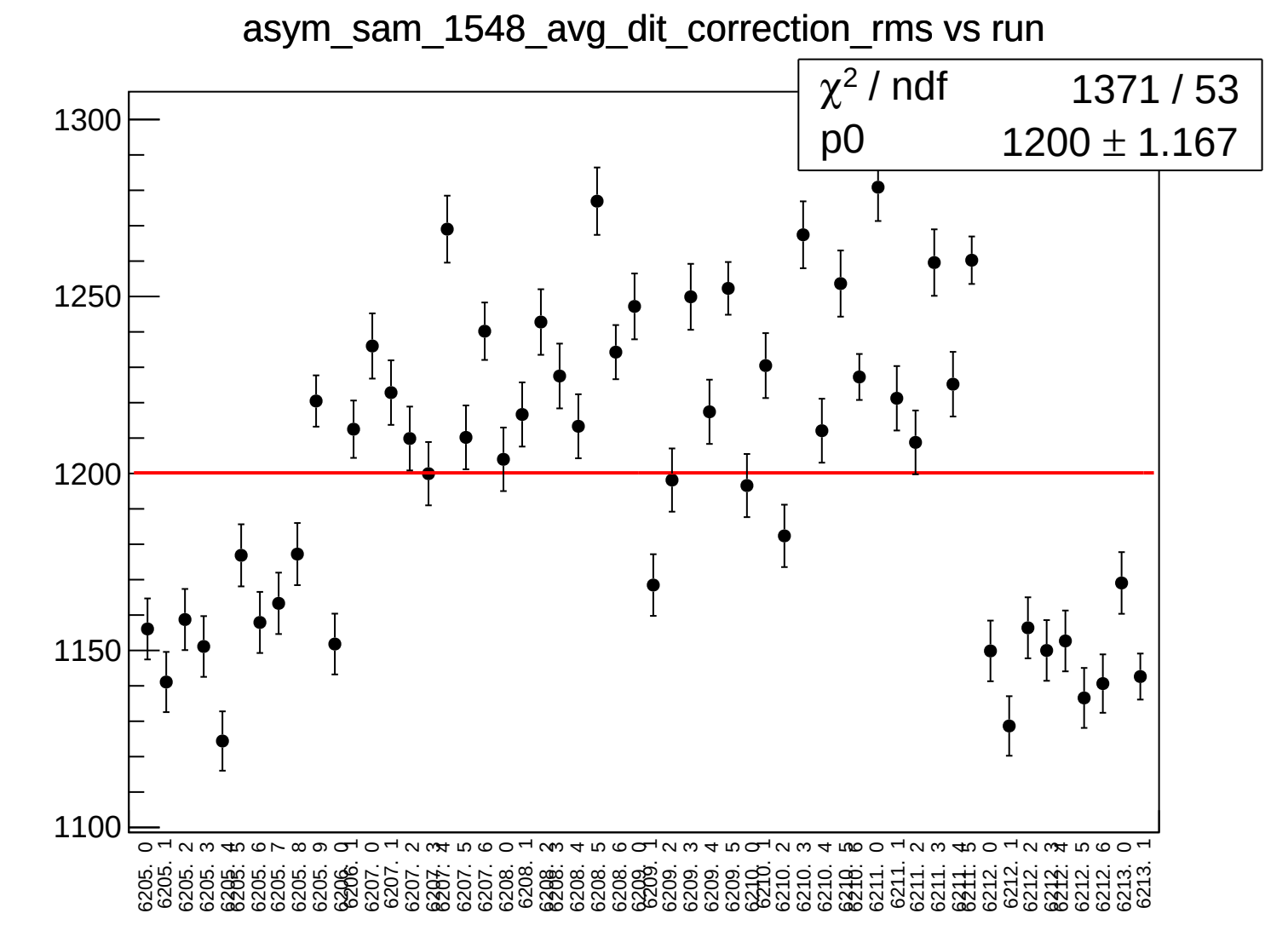

dit_asym_sam_1548_avg_mean vs run
χ² / ndf 68.28 / 53
p0 −97.4 ± 156.7
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
pull
Entries 54
Mean 1230
Std Dev 0
2
1
0
−1
−2

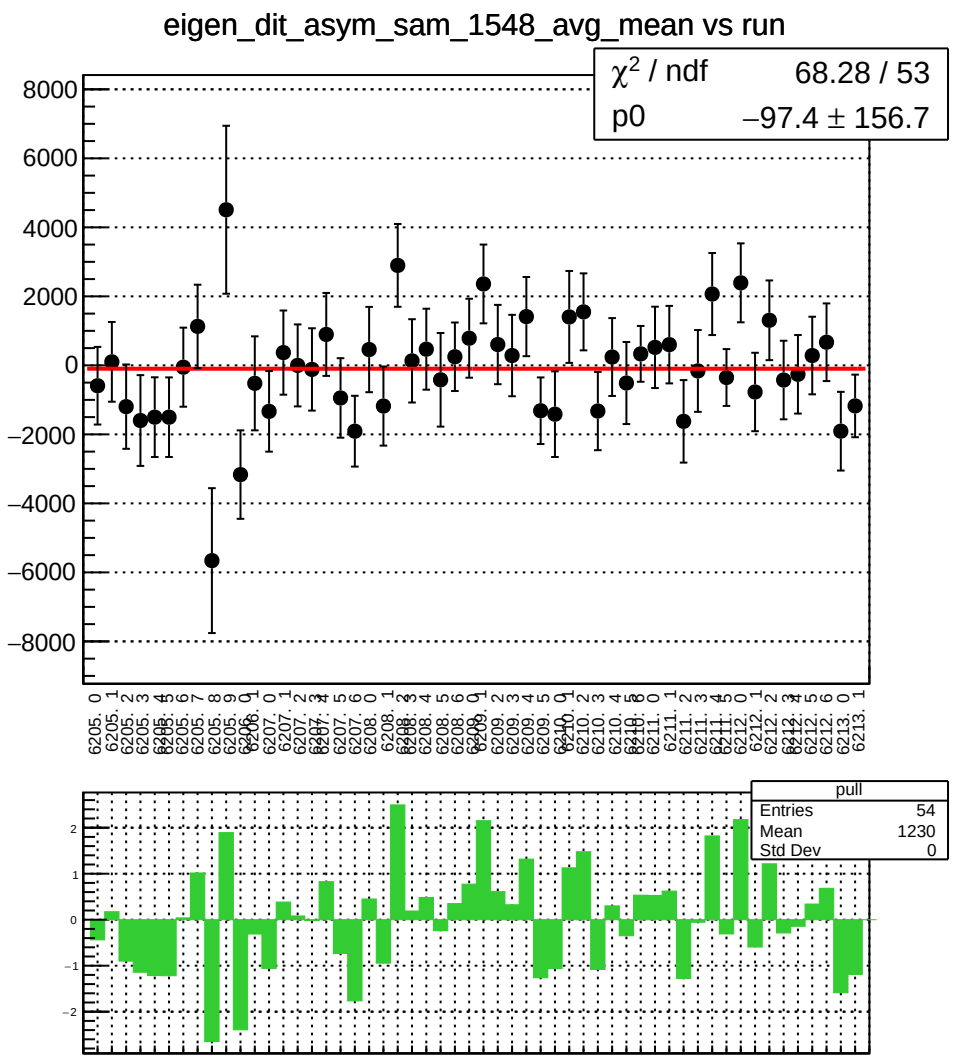

pull1D
Entries 54
Mean 0.002857
Std Dev 1.125
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

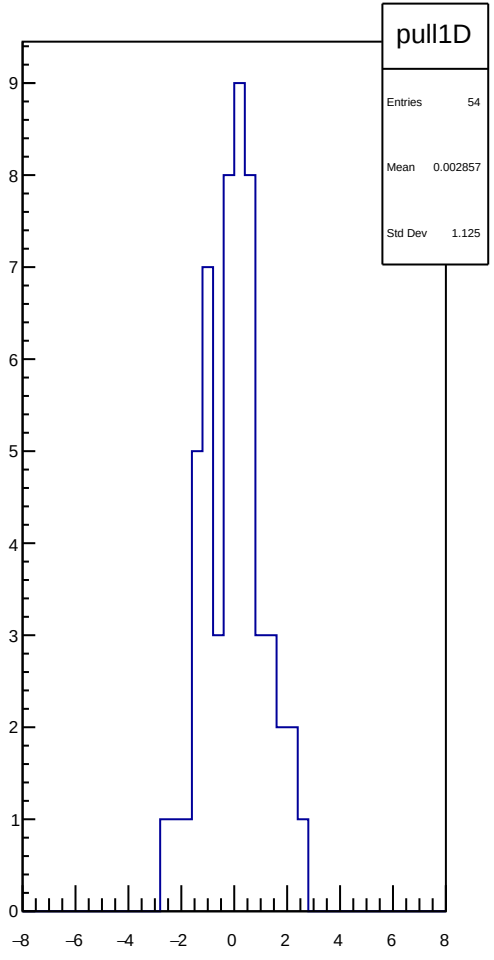

dit_asym_sam_1548_avg_rms vs run
χ² / ndf 1.676e+04 / 53
p0 113.1 ± 0.1108
300
250
200
150
100
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

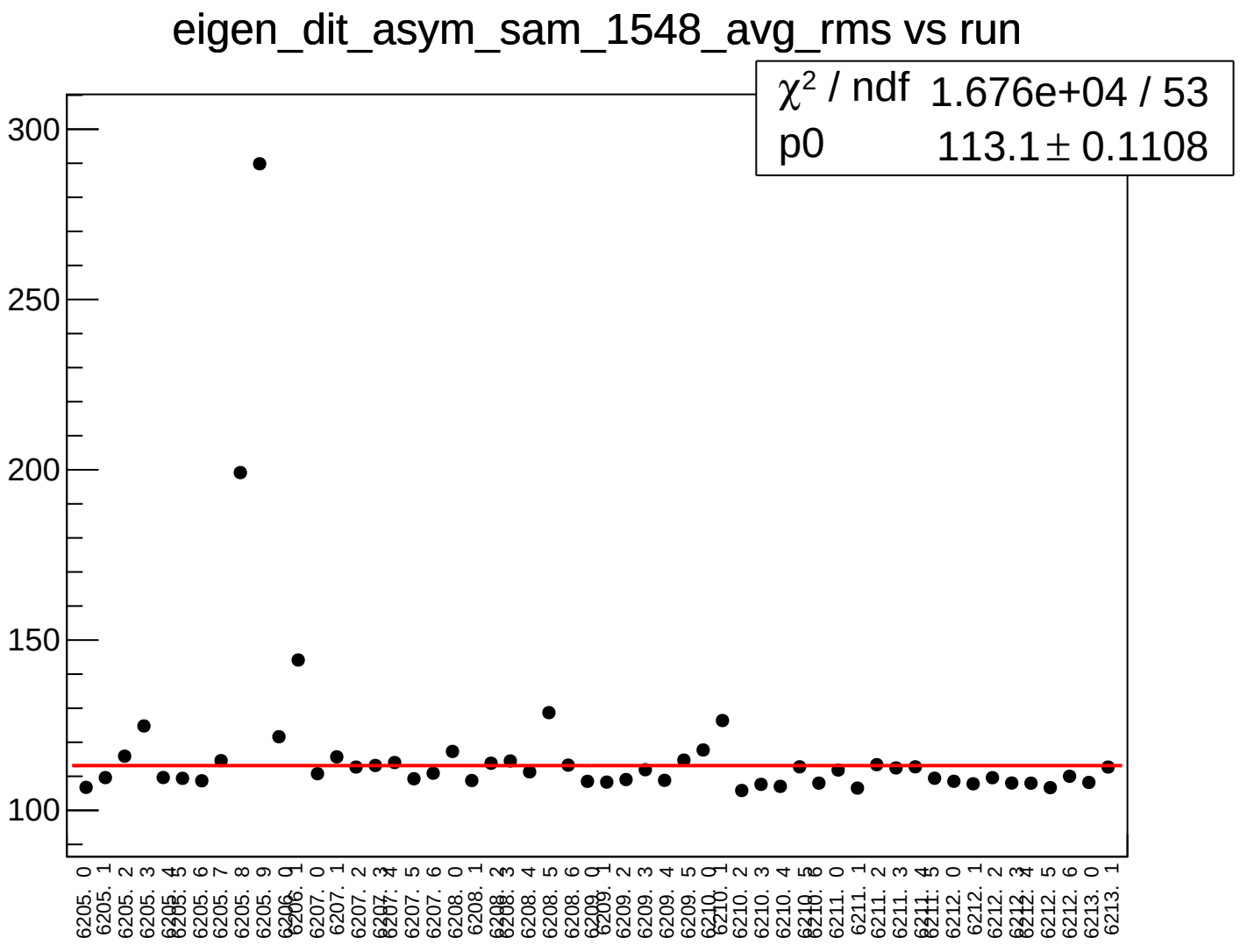

asym_sam_1548_avg_dit_correction_mean vs run
χ² / ndf 48.91 / 53
p0 2576 ± 1650
pull
Entries 54
Mean 10.55
Std Dev 0

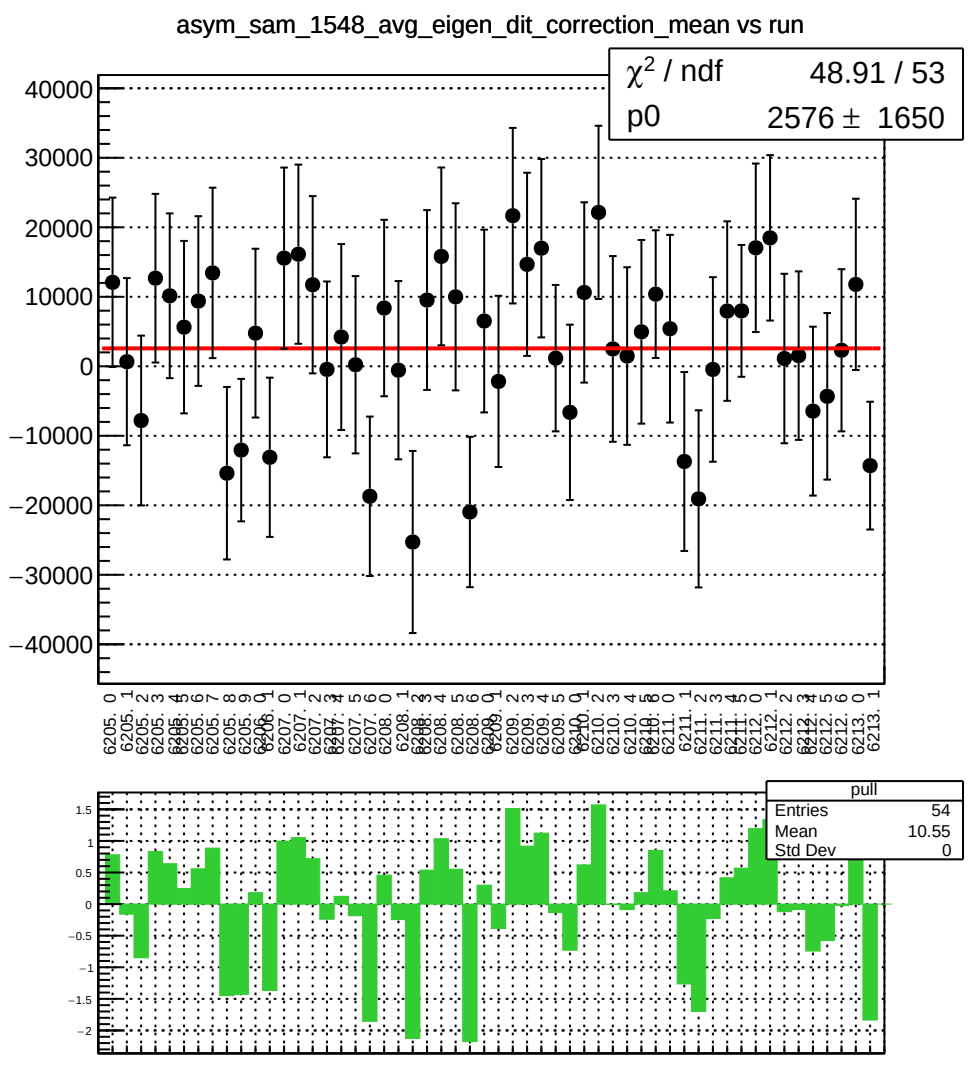

pull1D
Entries 54
Mean 0.02124
Std Dev 0.9515

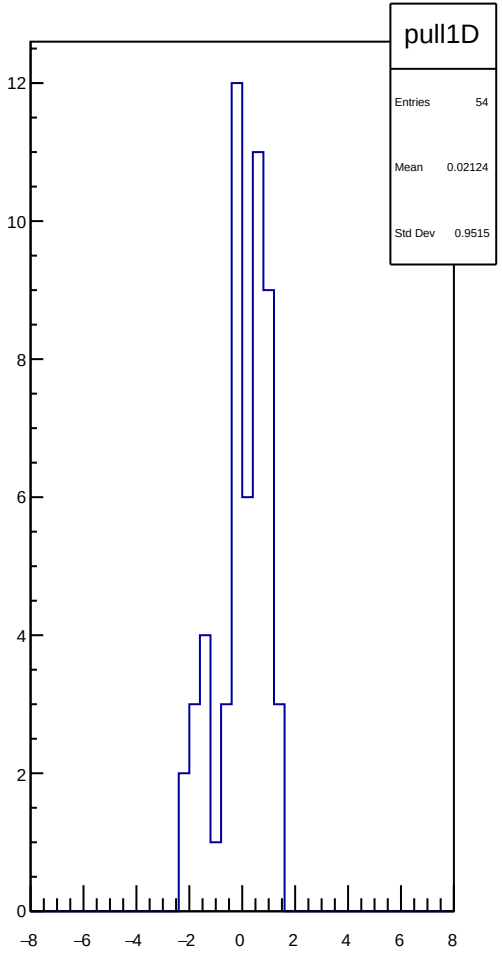

asym_sam_1548_avg_dit_correction_rms vs run
χ² / ndf 1371 / 53
p0 1200 ± 1.167
1300
1250
1200
1150
1100
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

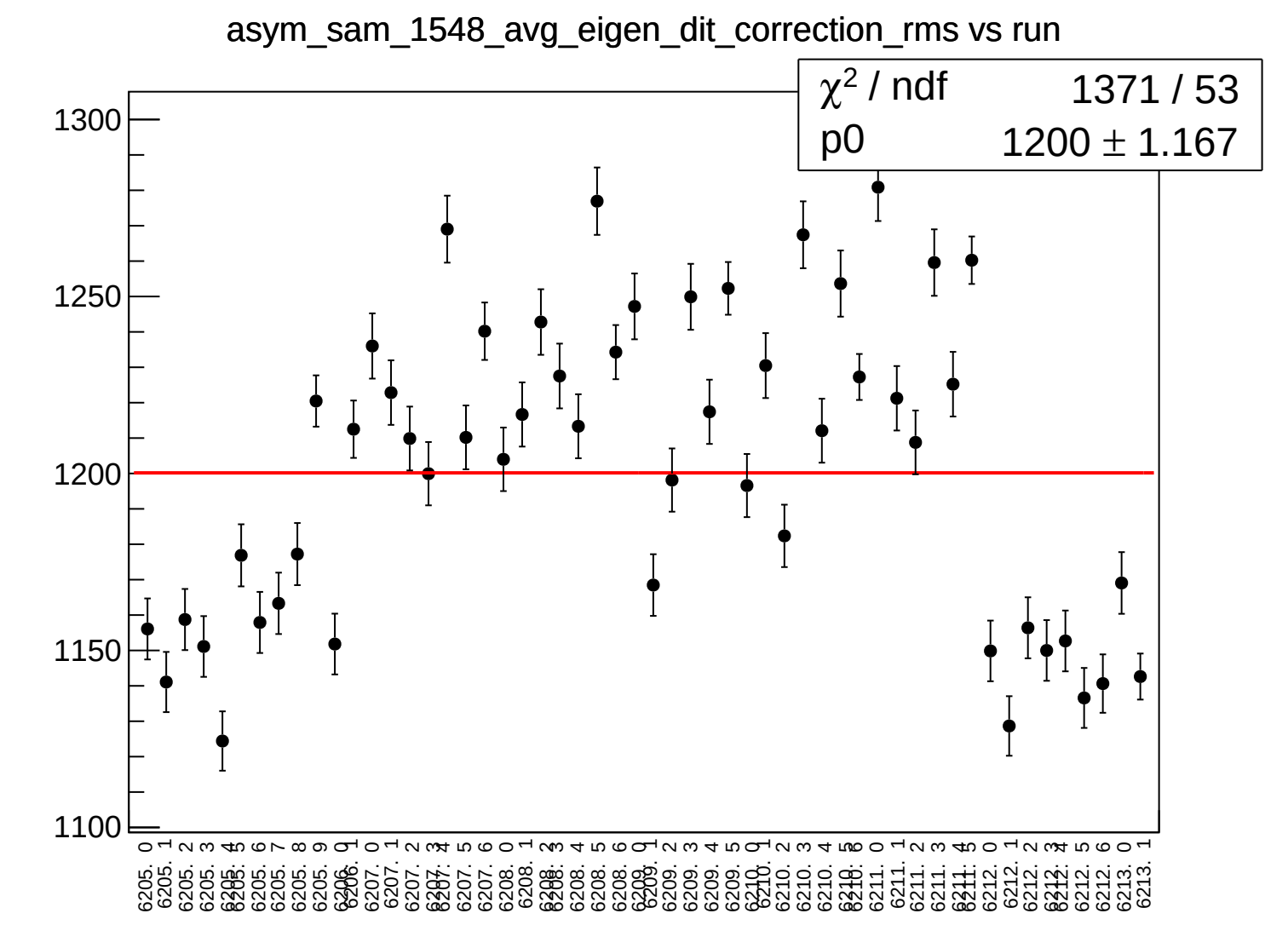

eigen_dit_asym_sam_1548_avg_mean vs run
χ² / ndf 68.28 / 53
p0 −97.4 ± 156.7
pull
Entries 54
Mean 1230
Std Dev 0

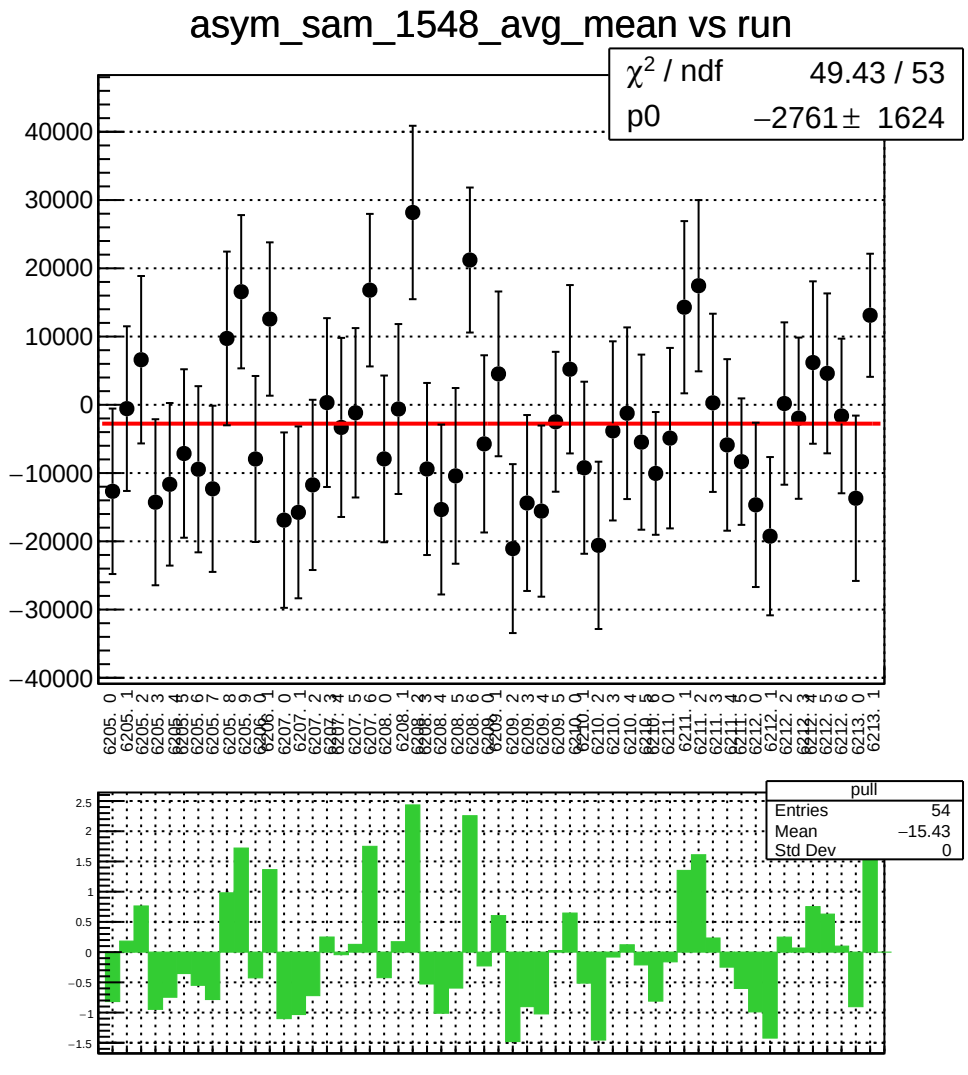

pull1D
Entries 54
Mean 0.002857
Std Dev 1.125

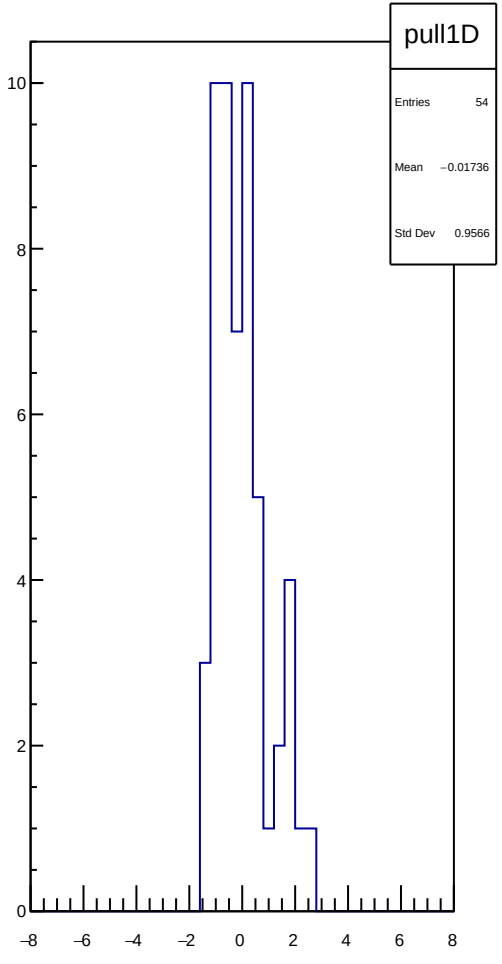

eigen_dit_asym_sam_1548_avg_rms vs run
χ² / ndf 1.676e+04 / 53
p0 113.1 ± 0.1108
300
250
200
150
100
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

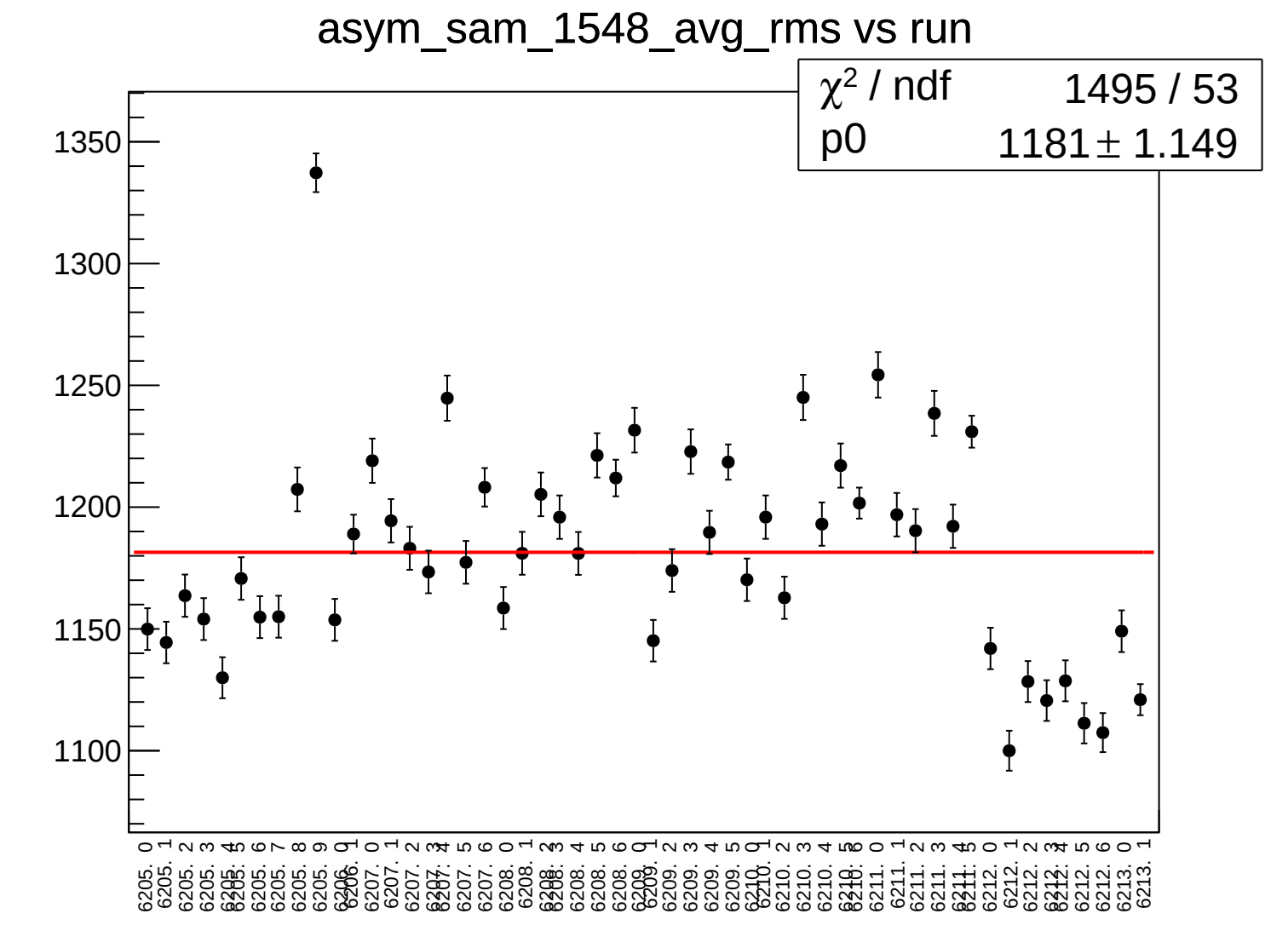

asym_sam_1548_avg_eigen_dit_correction_mean vs run
χ² / ndf 48.91 / 53
p0 2576 ± 1650
pull
Entries 54
Mean 10.55
Std Dev 0

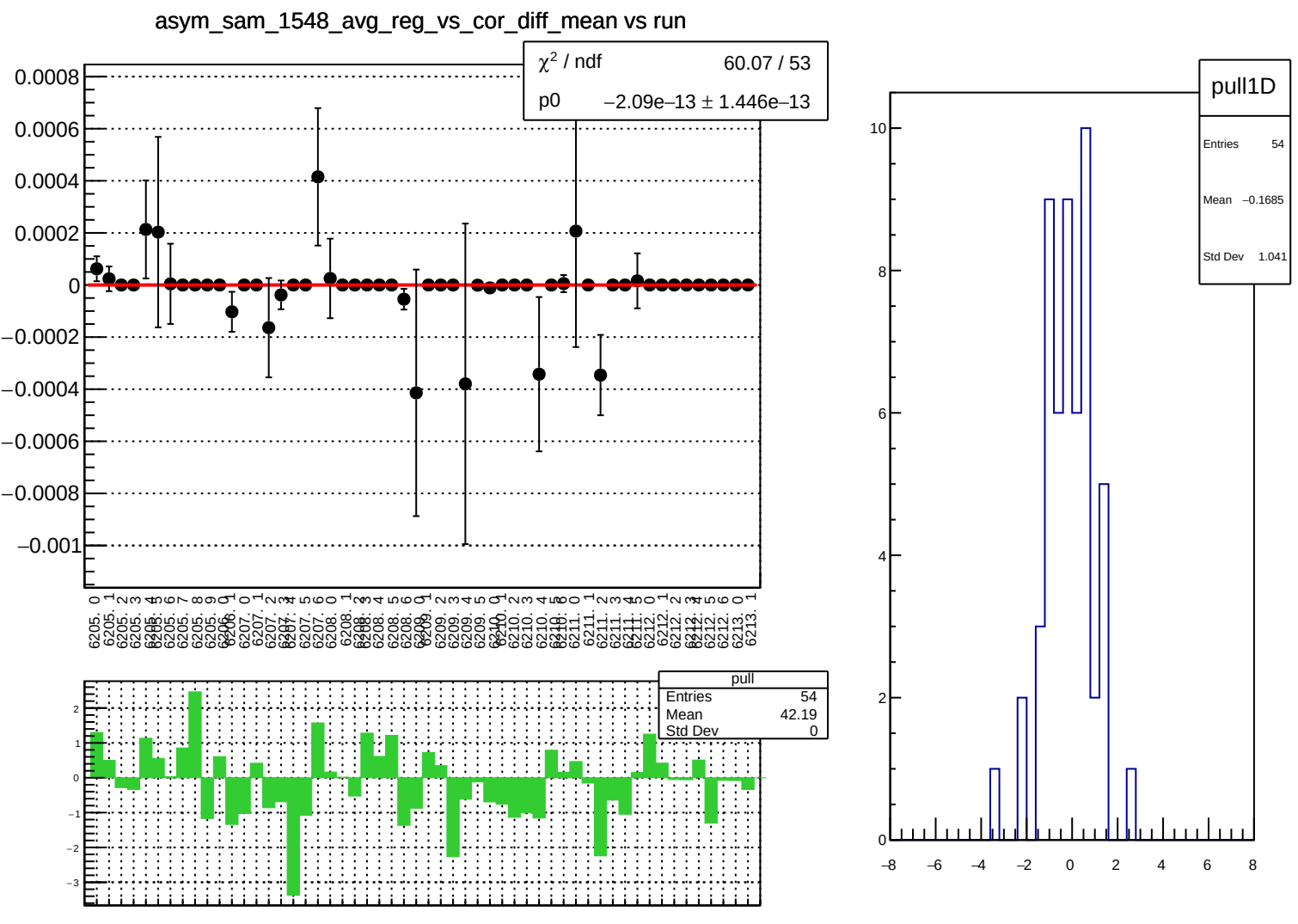

pull1D
Entries 54
Mean 0.02124
Std Dev 0.9515

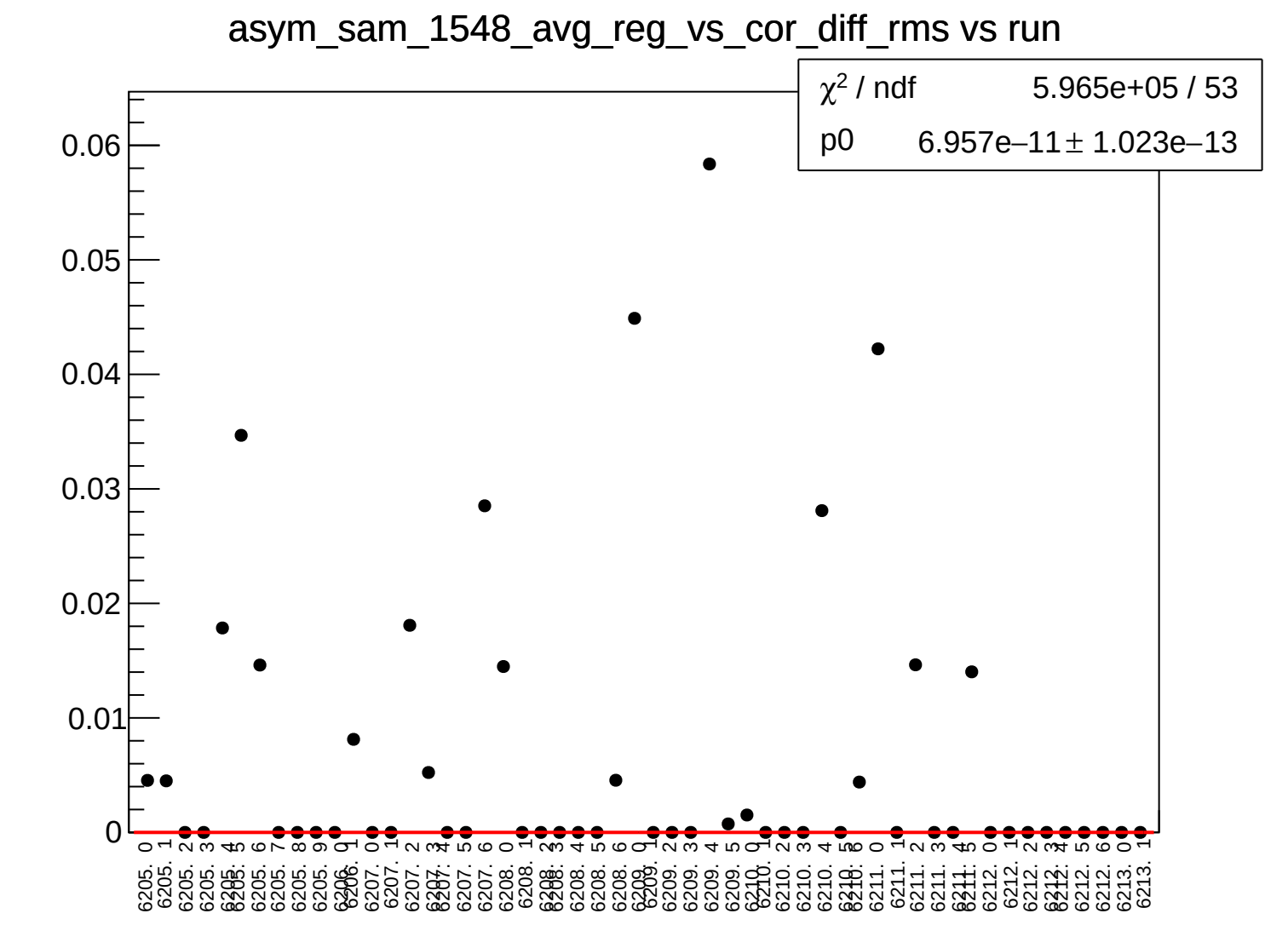

asym_sam_1548_avg_eigen_dit_correction_rms vs run
χ² / ndf 1371 / 53
p0 1200 ± 1.167
1300
1250
1200
1150
1100
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

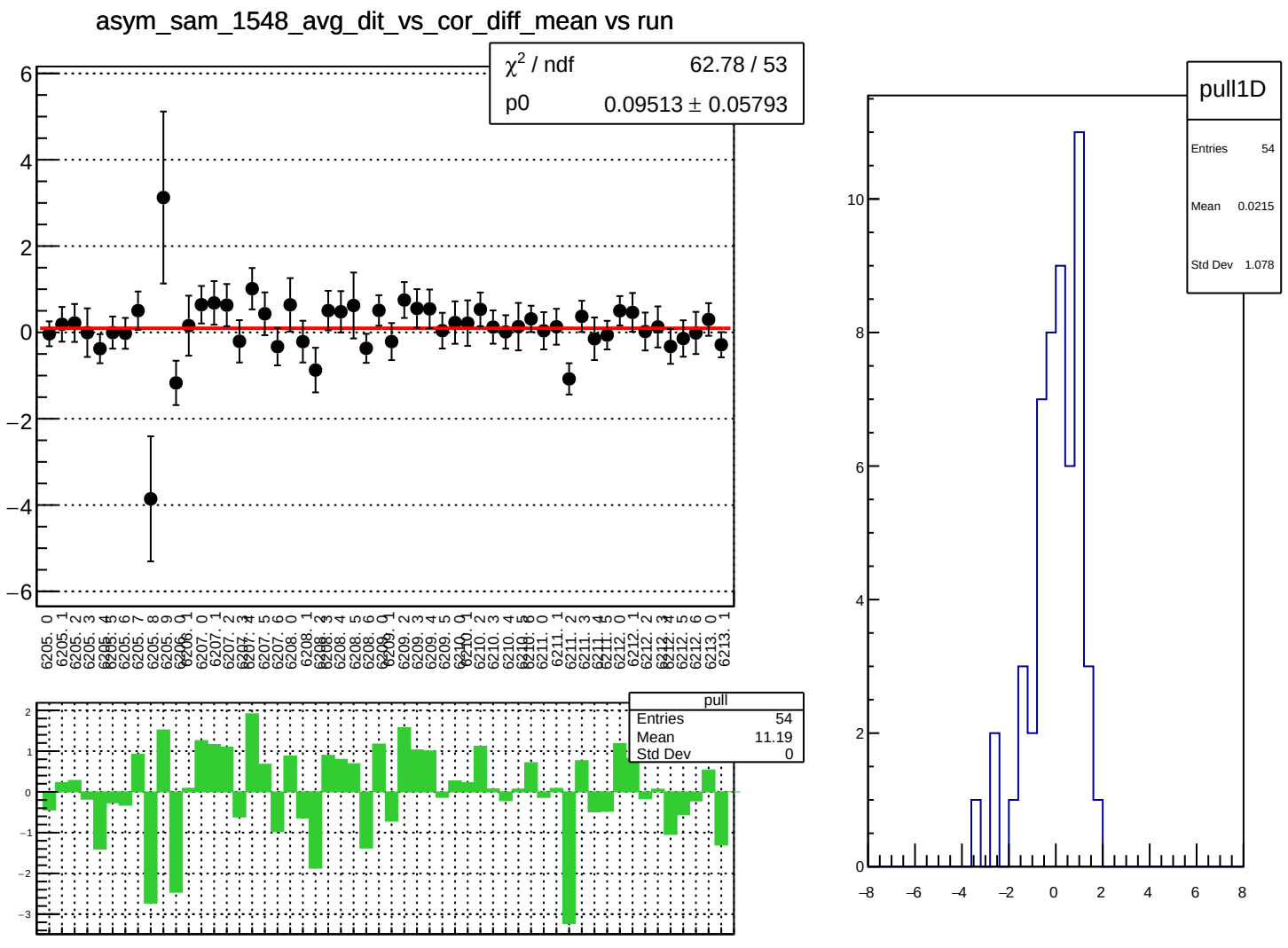

asym_sam_1548_avg_mean vs run
χ² / ndf 49.43 / 53
p0 −2761 ± 1624
pull
Entries 54
Mean −15.43
Std Dev 0

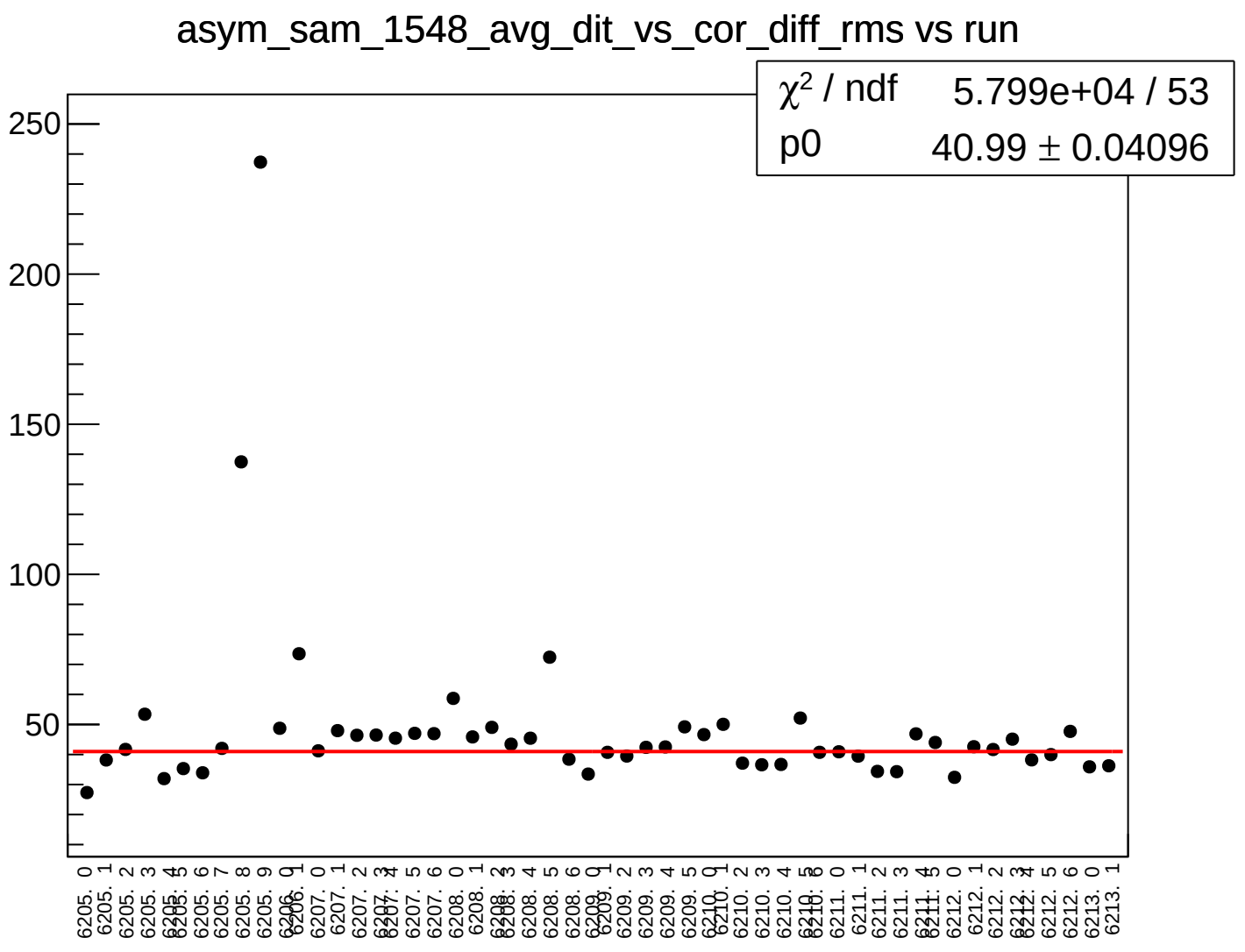

pull1D
Entries 54
Mean −0.01736
Std Dev 0.9566

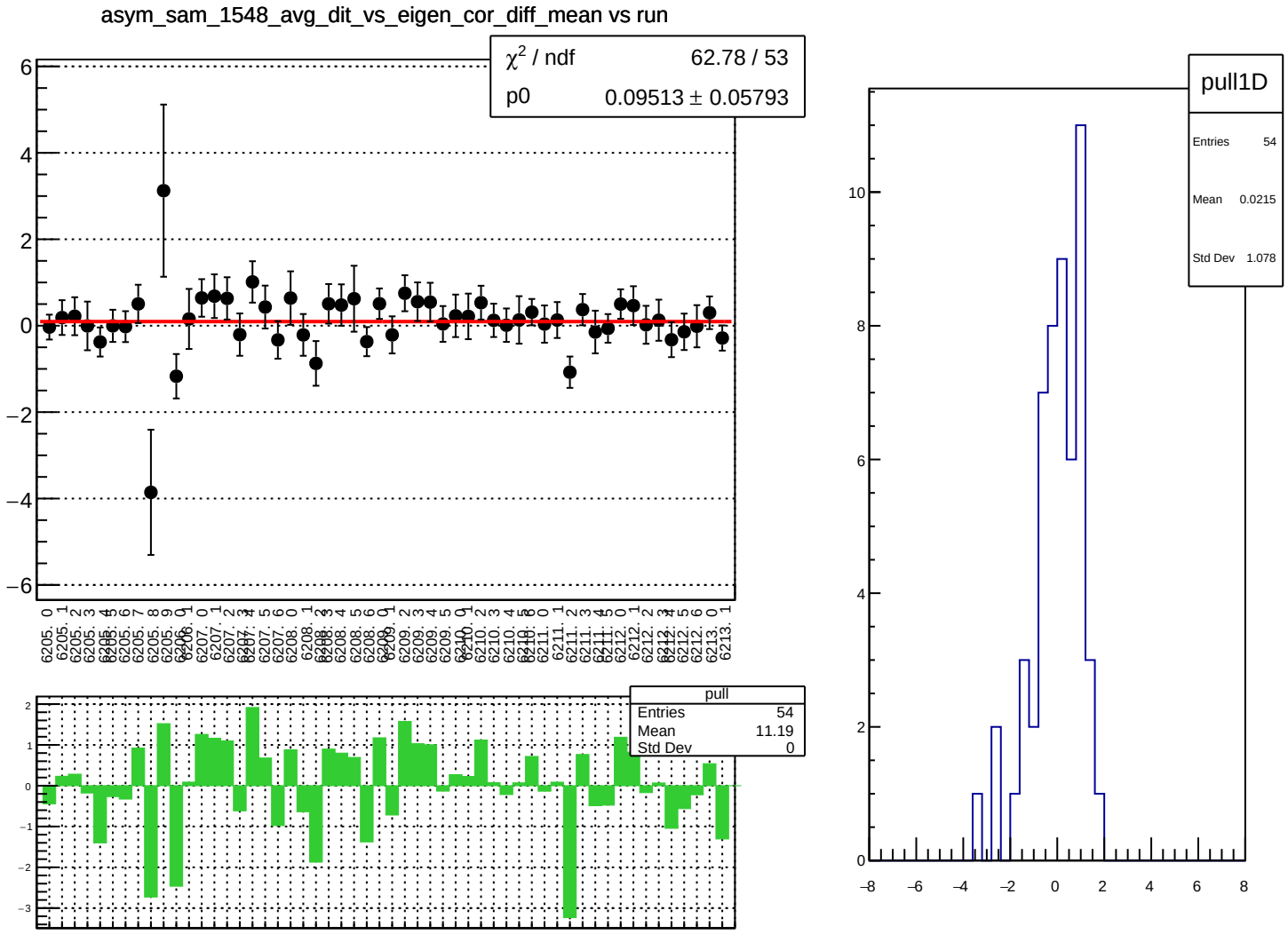

asym_sam_1548_avg_rms vs run
χ^2 / ndf 1495 / 53
p0 1181 ± 1.149
1350
1300
1250
1200
1150
1100
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

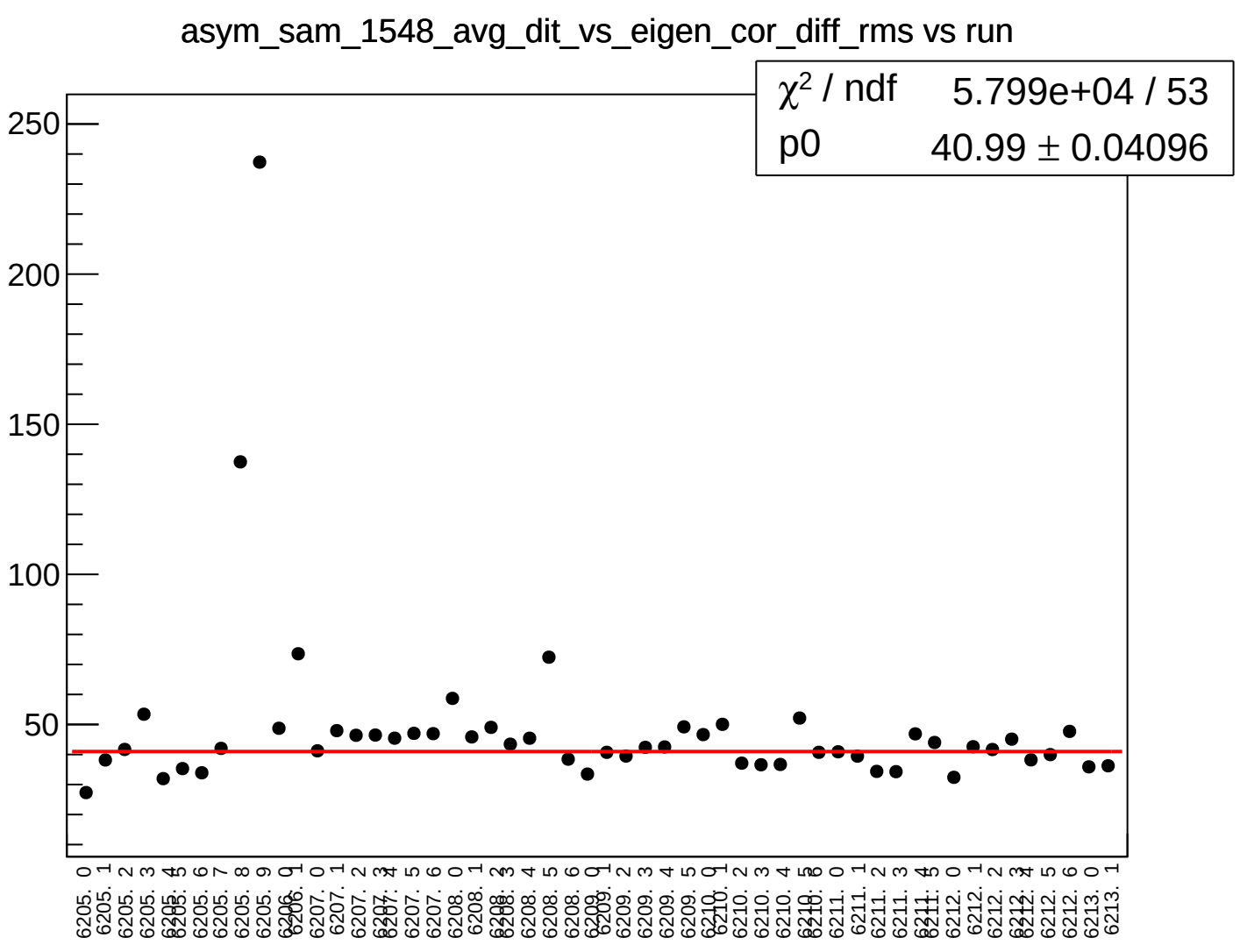

asym_sam_1548_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 60.07 / 53
p0 −2.09e−13 ± 1.446e−13
pull
Entries 54
Mean 42.19
Std Dev 0
pull1D
Entries 54
Mean −0.1685
Std Dev 1.041

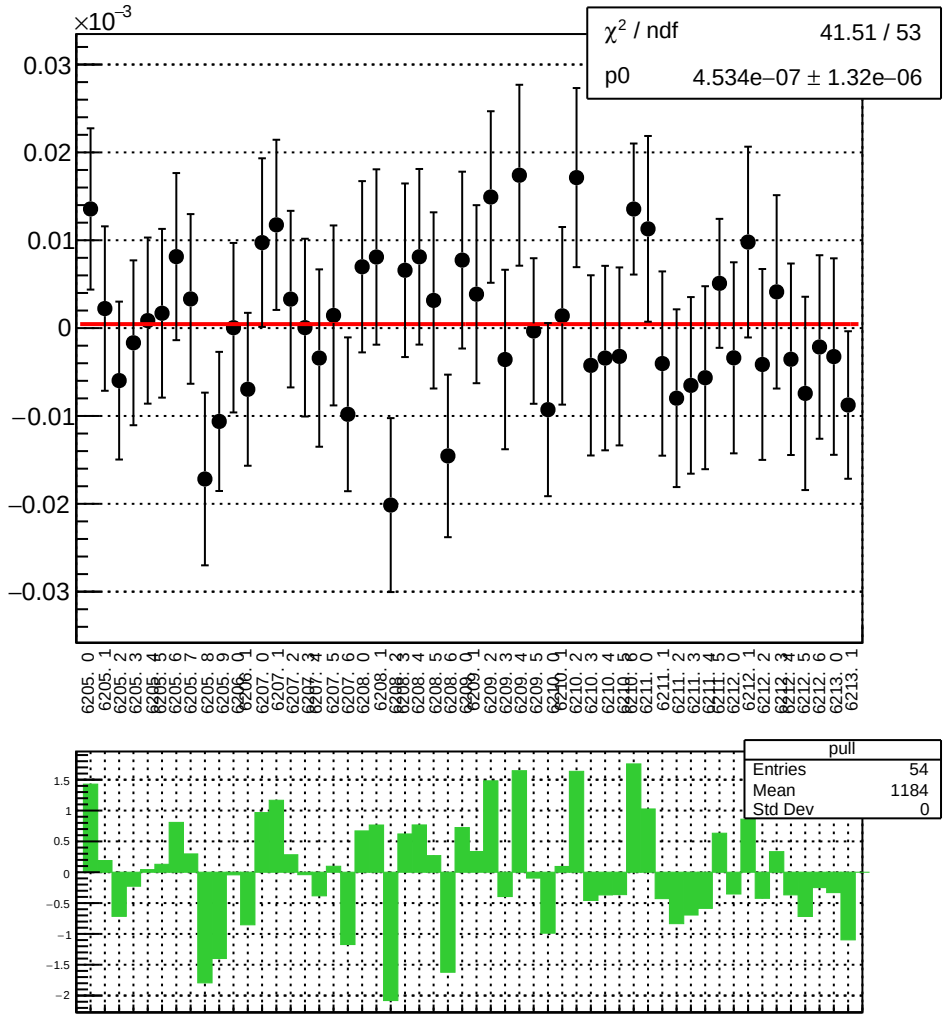

asym_sam_1548_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 5.965e+05 / 53
p0 6.957e−11 ± 1.023e−13
0.06
0.05
0.04
0.03
0.02
0.01
0

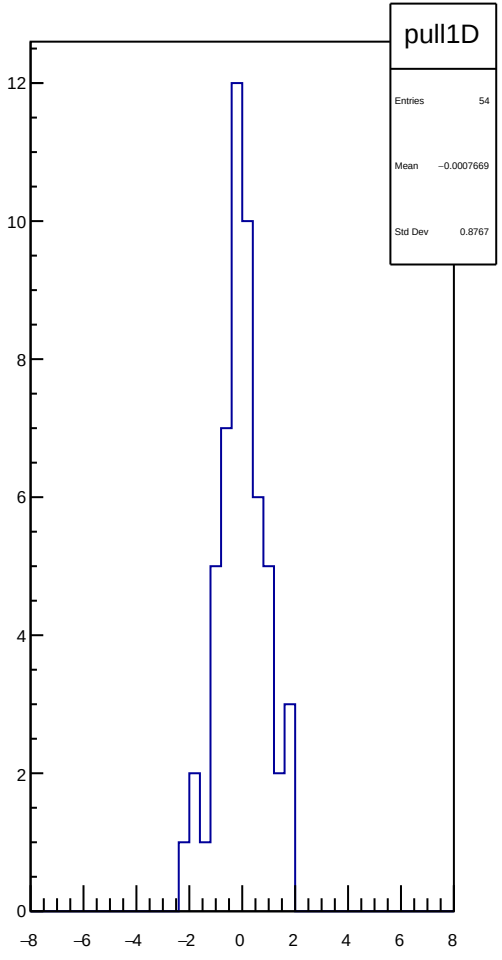

asym_sam_1548_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 62.78 / 53
p0 0.09513 ± 0.05793
pull
Entries 54
Mean 11.19
Std Dev 0
pull1D
Entries 54
Mean 0.0215
Std Dev 1.078

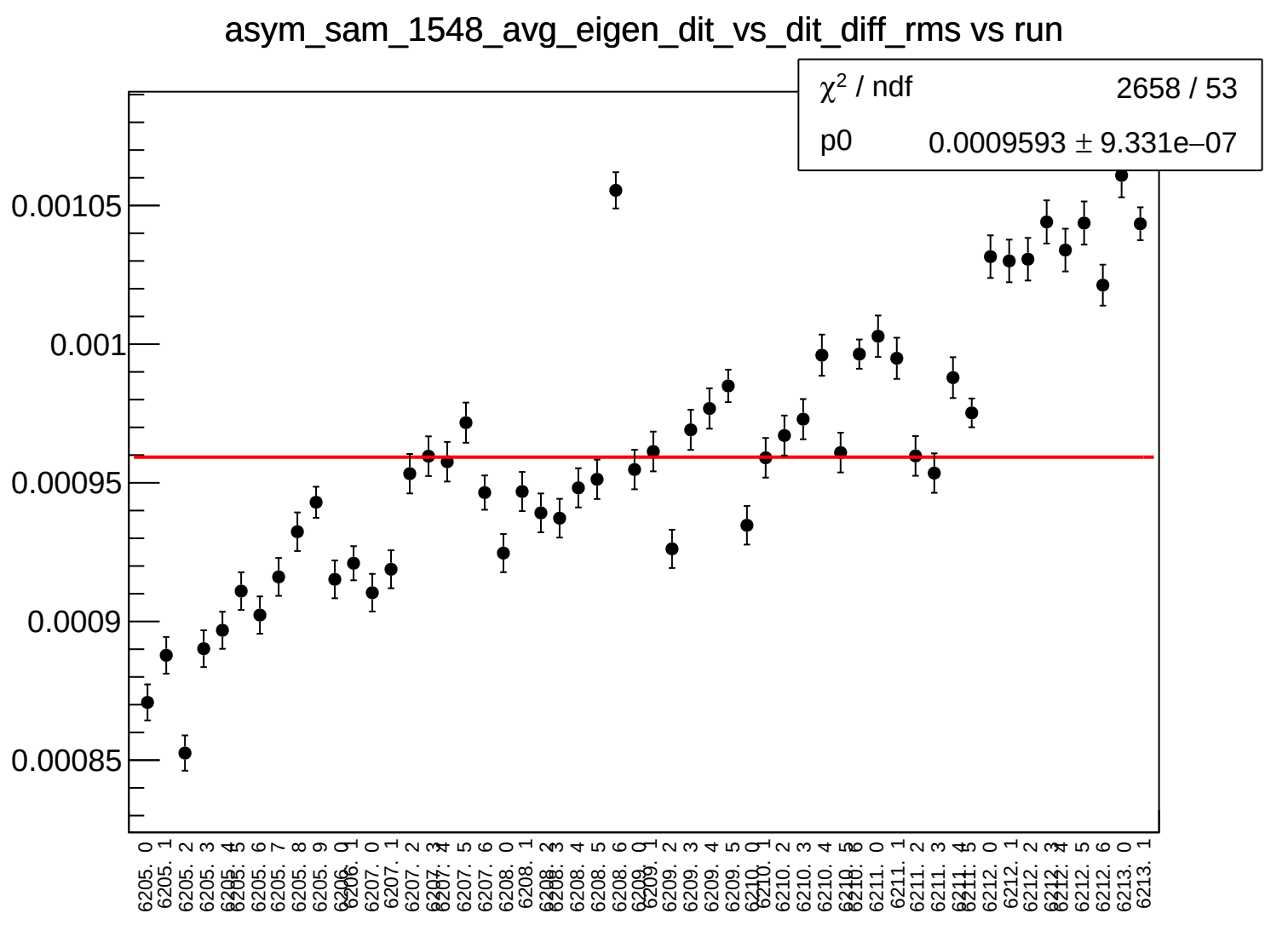

asym_sam_1548_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 5.799e+04 / 53
p0 40.99 ± 0.04096
250
200
150
100
50
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6208. 7
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

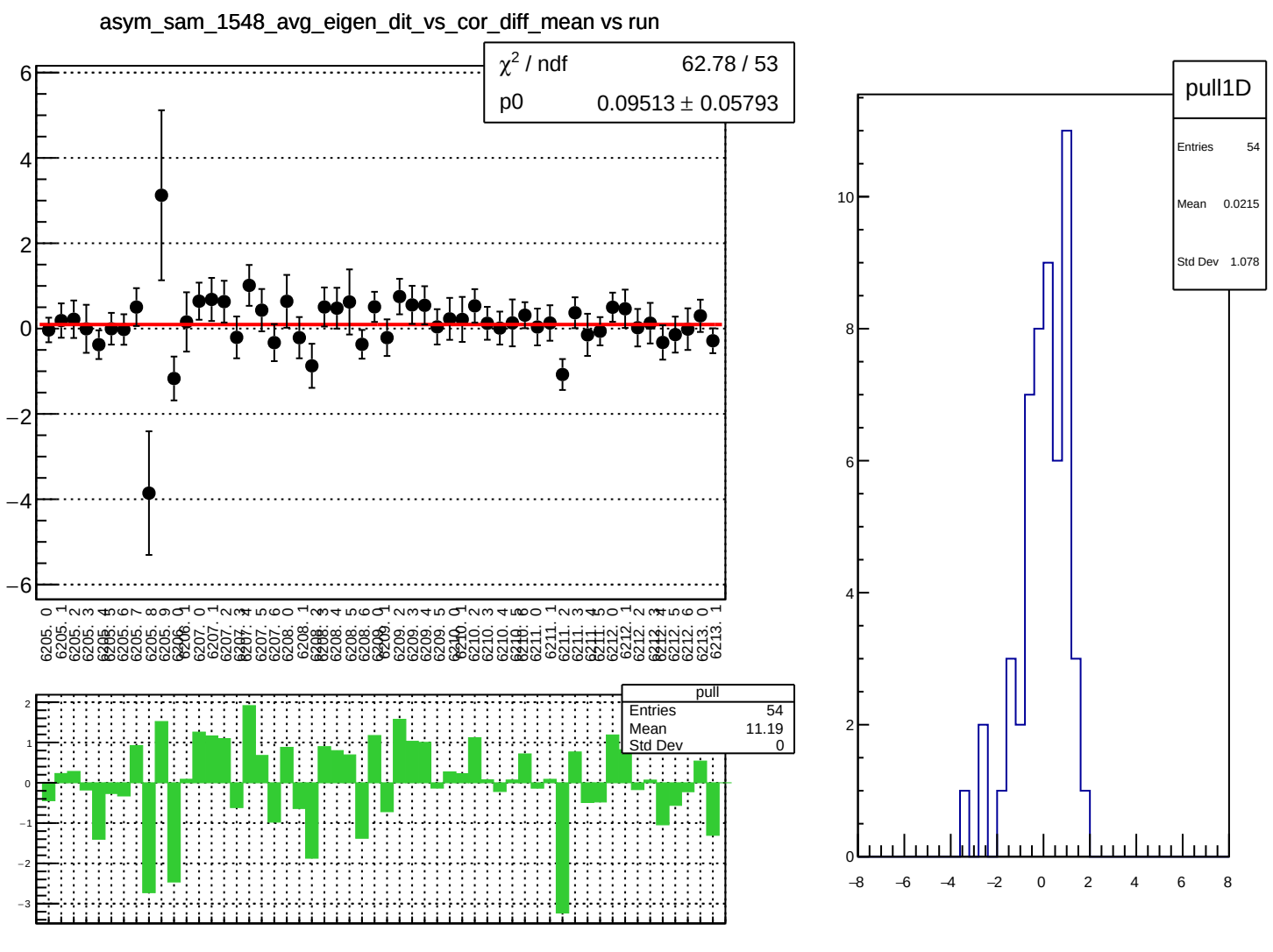

asym_sam_1548_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 62.78 / 53
p0 0.09513 ± 0.05793
pull
Entries 54
Mean 11.19
Std Dev 0
pull1D
Entries 54
Mean 0.0215
Std Dev 1.078

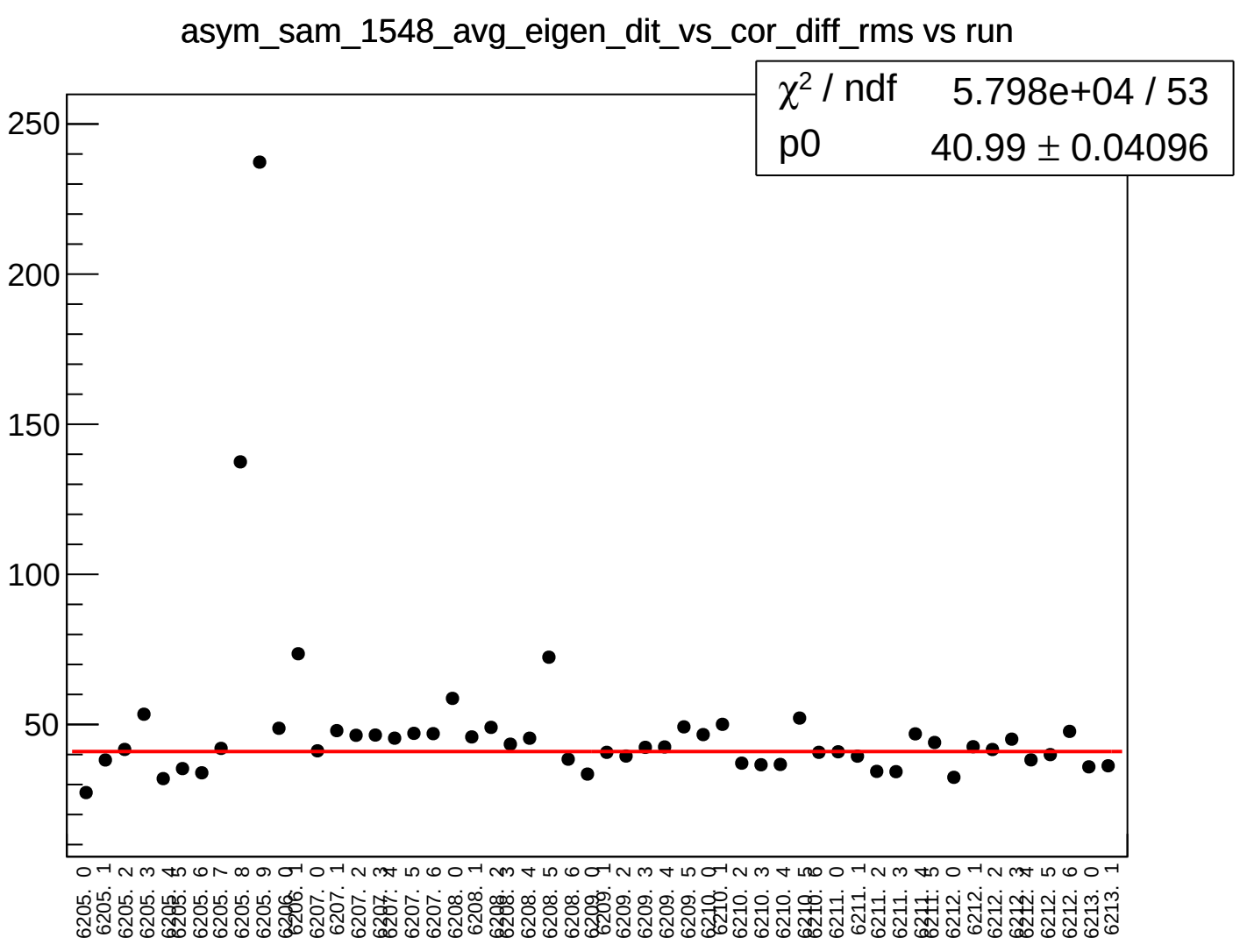

asym_sam_1548_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.799e+04 / 53
p0 40.99 ± 0.04096
250
200
150
100
50
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

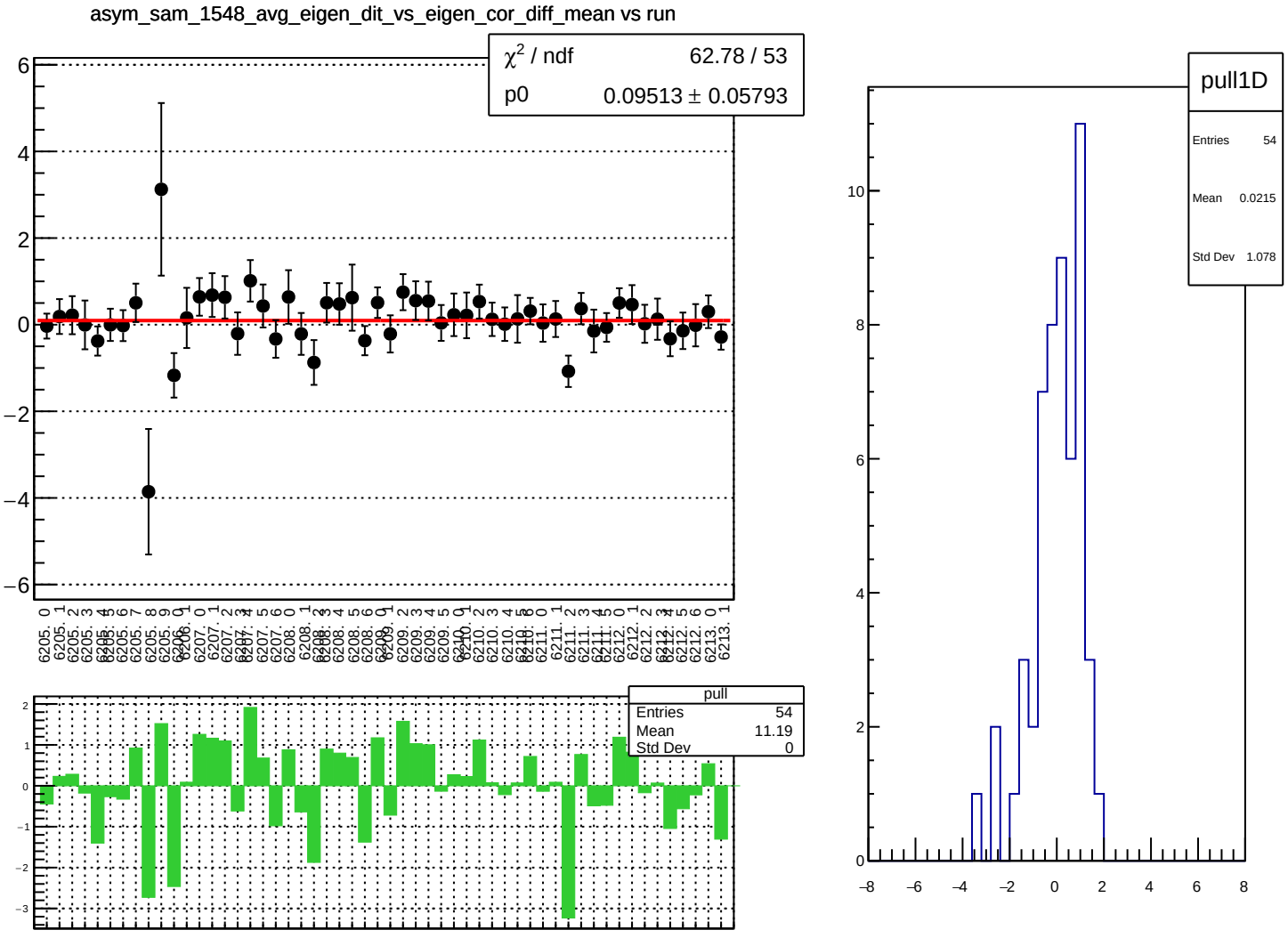

asym_sam_1548_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 41.51 / 53
p0 4.534e−07 ± 1.32e−06
pull
Entries 54
Mean 1184
Std Dev 0

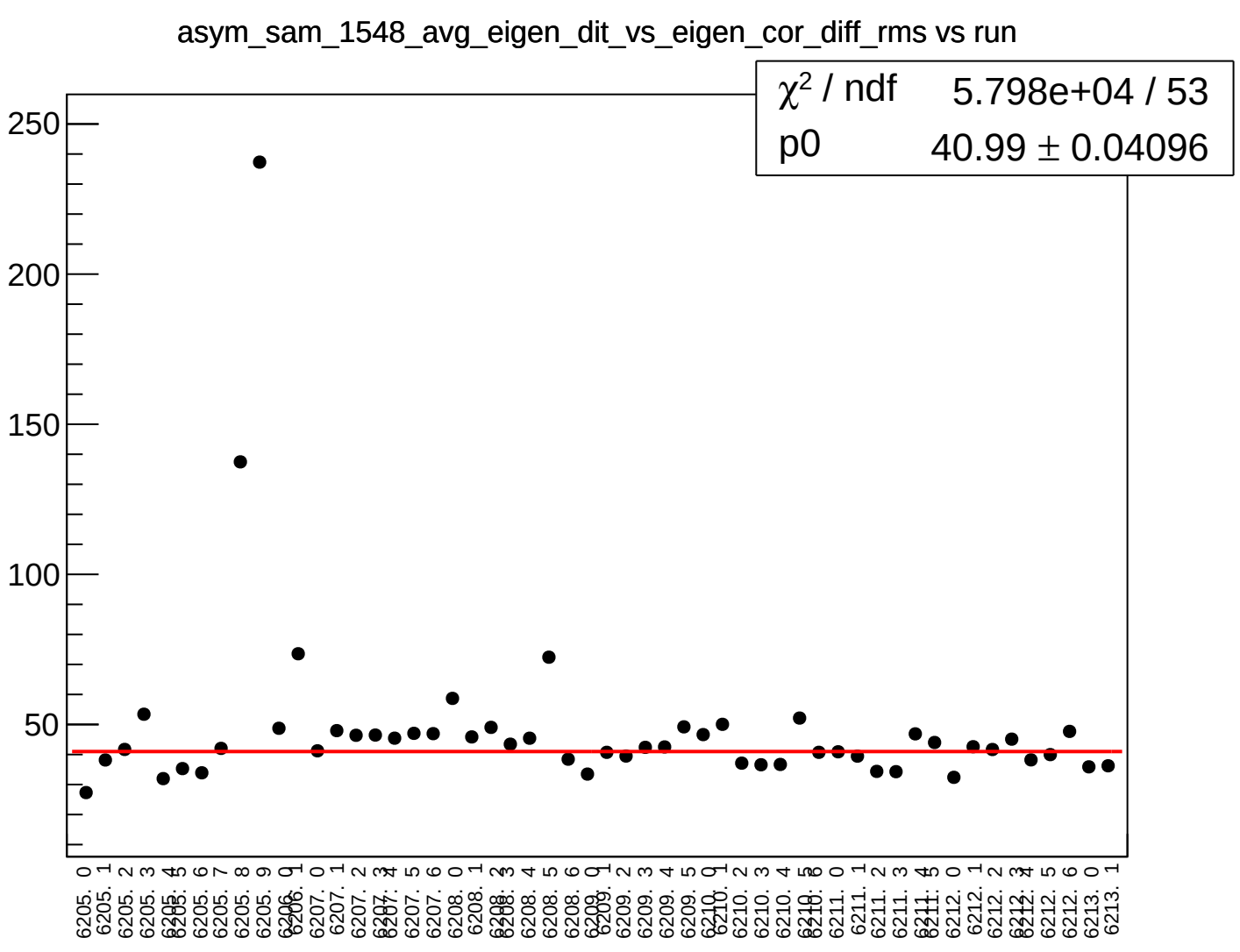

pull1D
Entries 54
Mean −0.0007669
Std Dev 0.8767

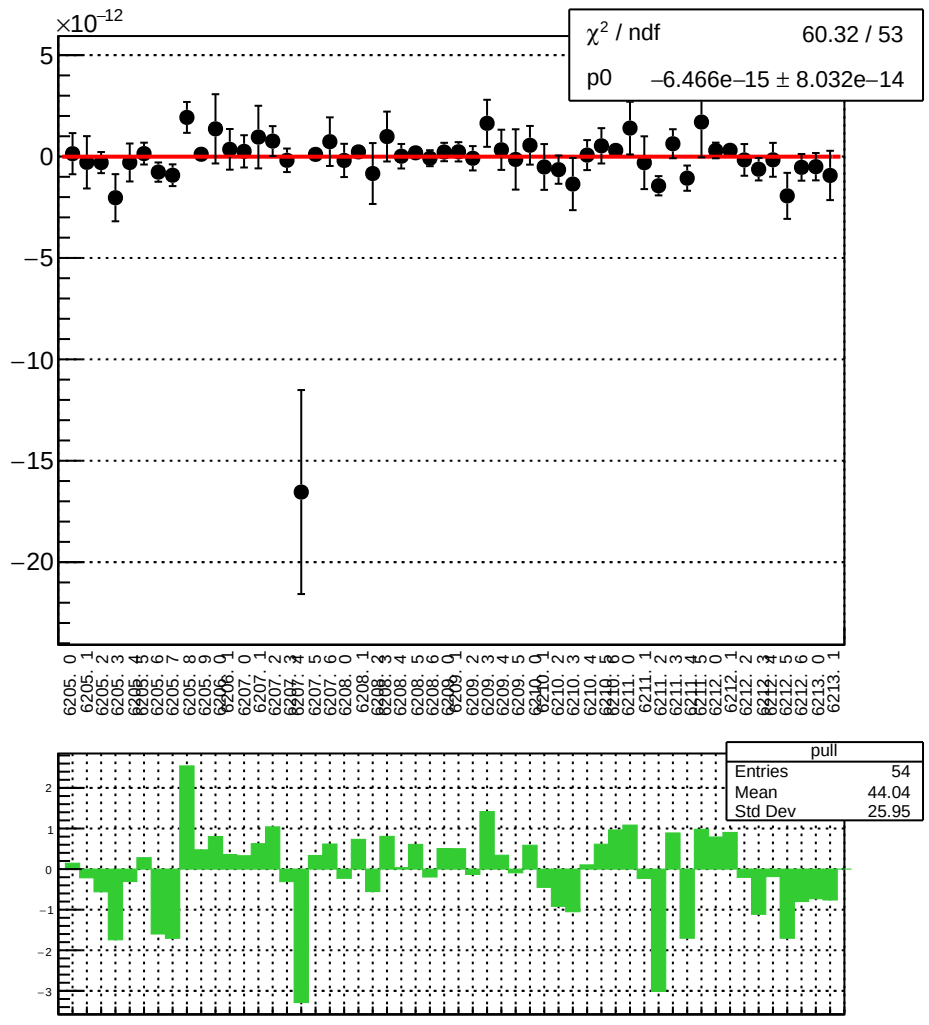

asym_sam_1548_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2658 / 53
p0 0.0009593 ± 9.331e−07
0.00105
0.001
0.00095
0.0009
0.00085

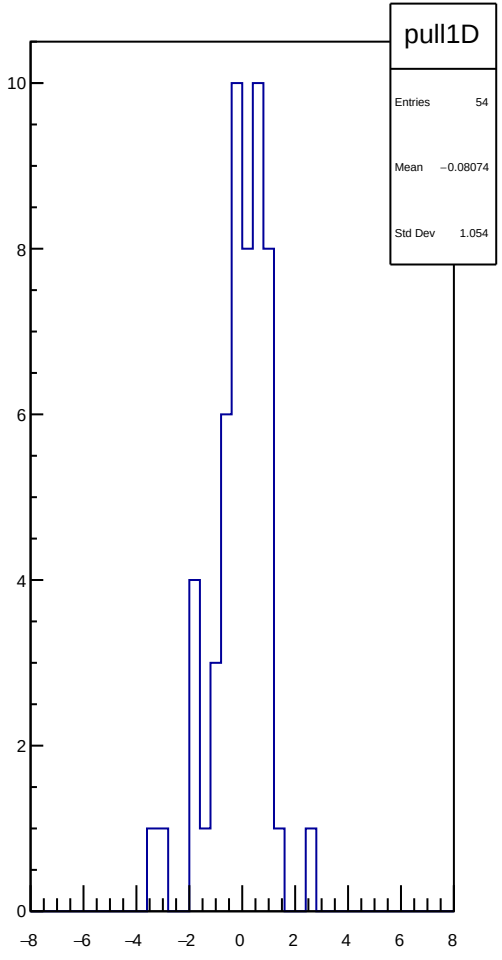

asym_sam_1548_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 62.78 / 53
p0 0.09513 ± 0.05793
pull
Entries 54
Mean 11.19
Std Dev 0
pull1D
Entries 54
Mean 0.0215
Std Dev 1.078

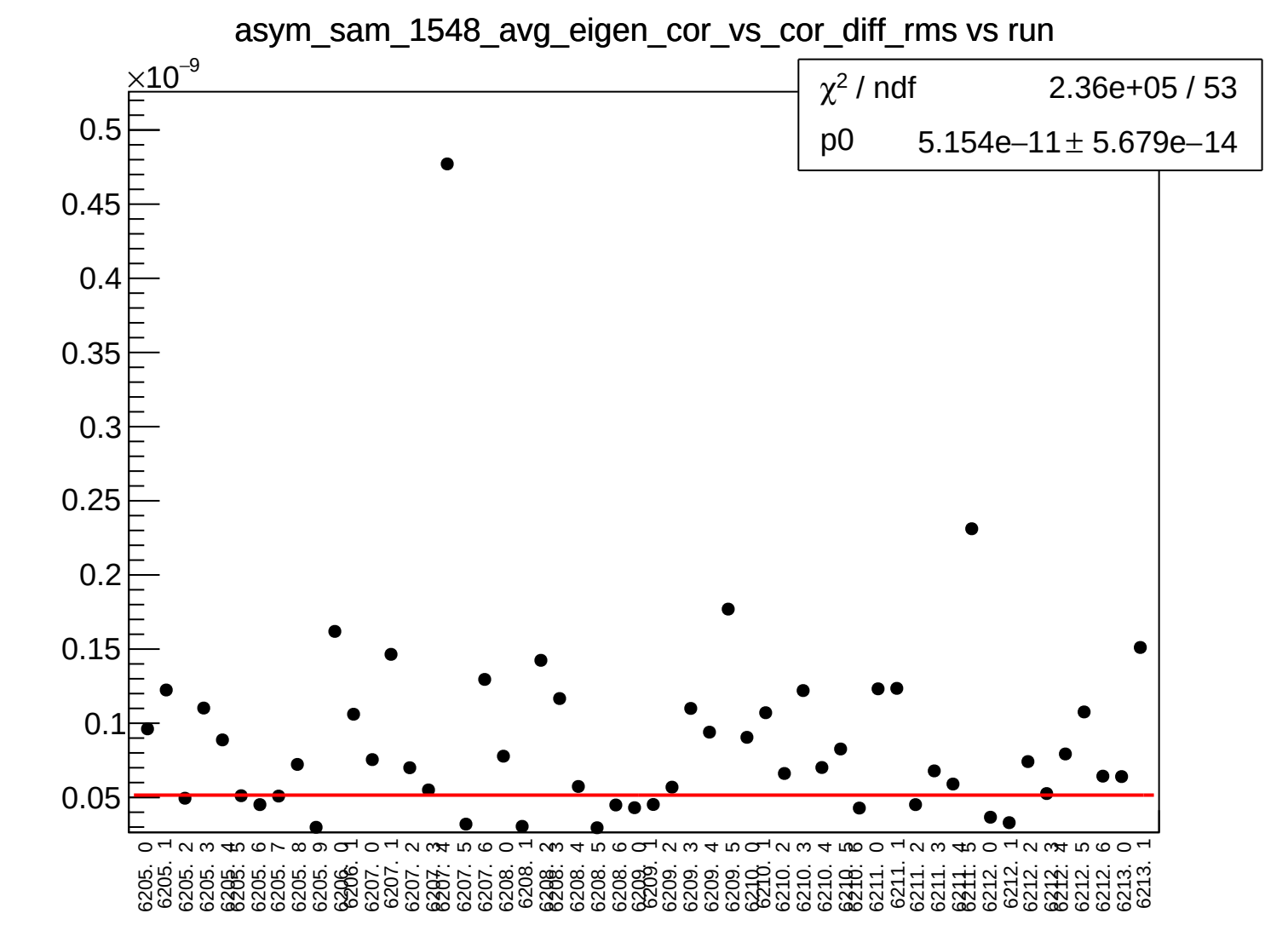

asym_sam_1548_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.798e+04 / 53
p0 40.99 ± 0.04096
250
200
150
100
50
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

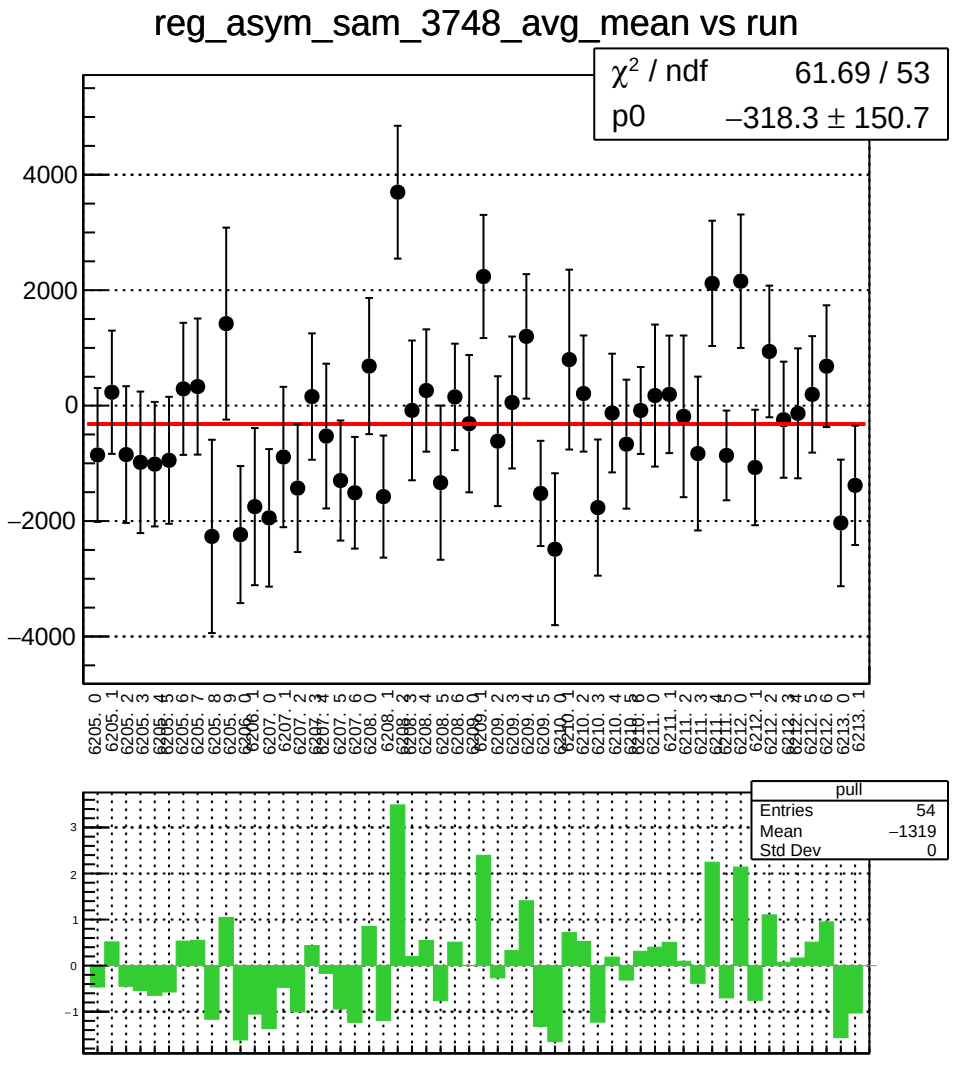

asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 62.78 / 53
p0 0.09513 ± 0.05793
pull
Entries 54
Mean 11.19
Std Dev 0
pull1D
Entries 54
Mean 0.0215
Std Dev 1.078

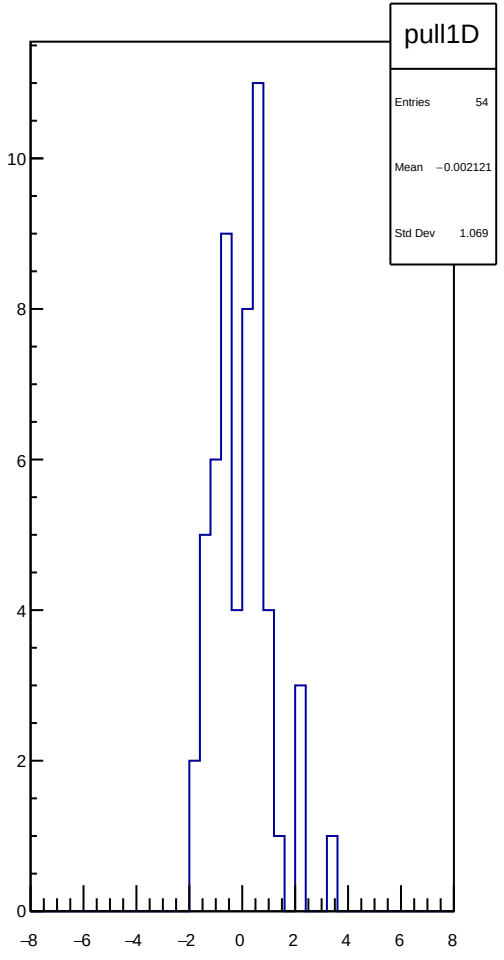

asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.798e+04 / 53
p0 40.99 ± 0.04096
250
200
150
100
50
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6208. 7
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6209. 6
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

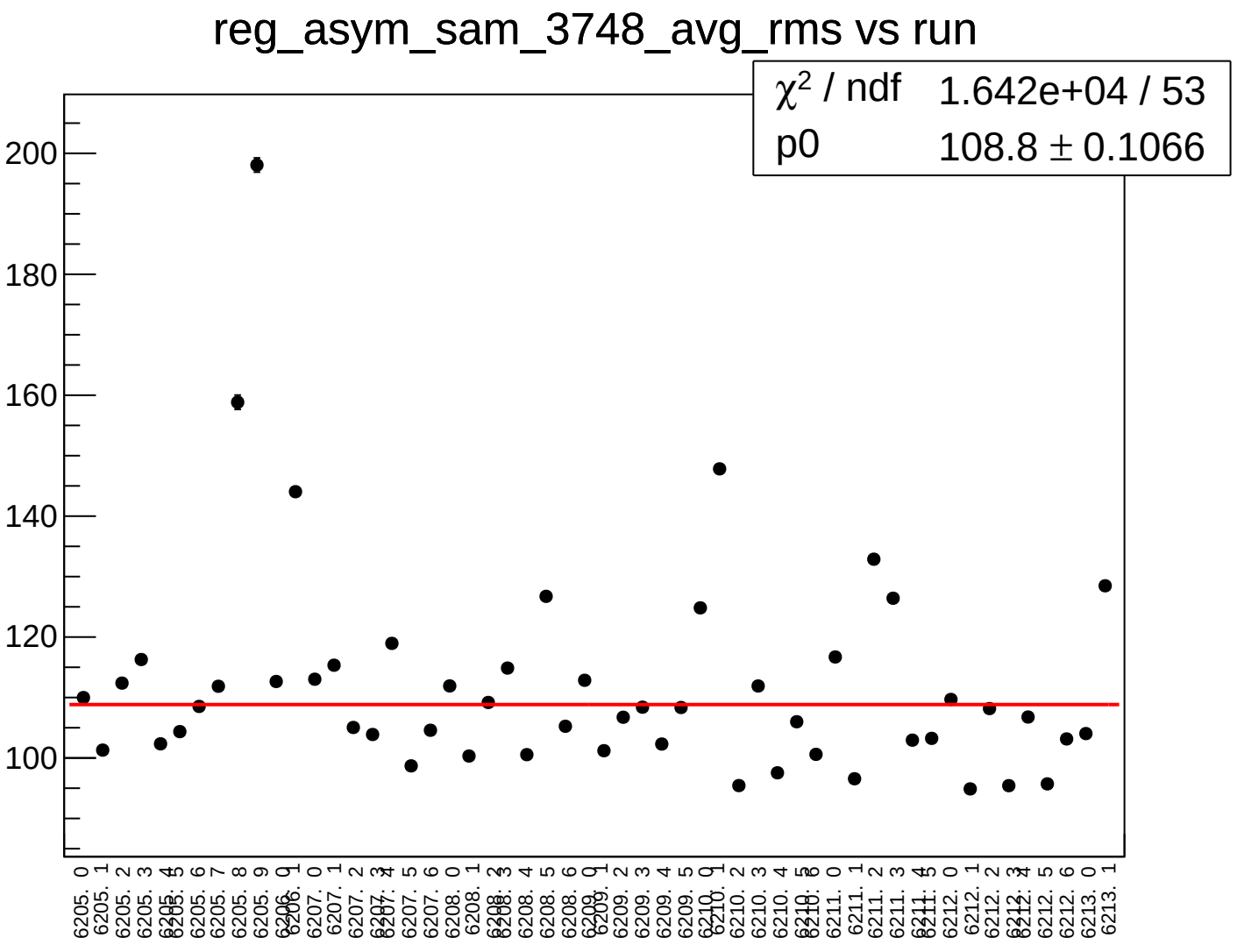

asym_sam_1548_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 60.32 / 53
p0 −6.466e−15 ± 8.032e−14
pull
Entries 54
Mean 44.04
Std Dev 25.95

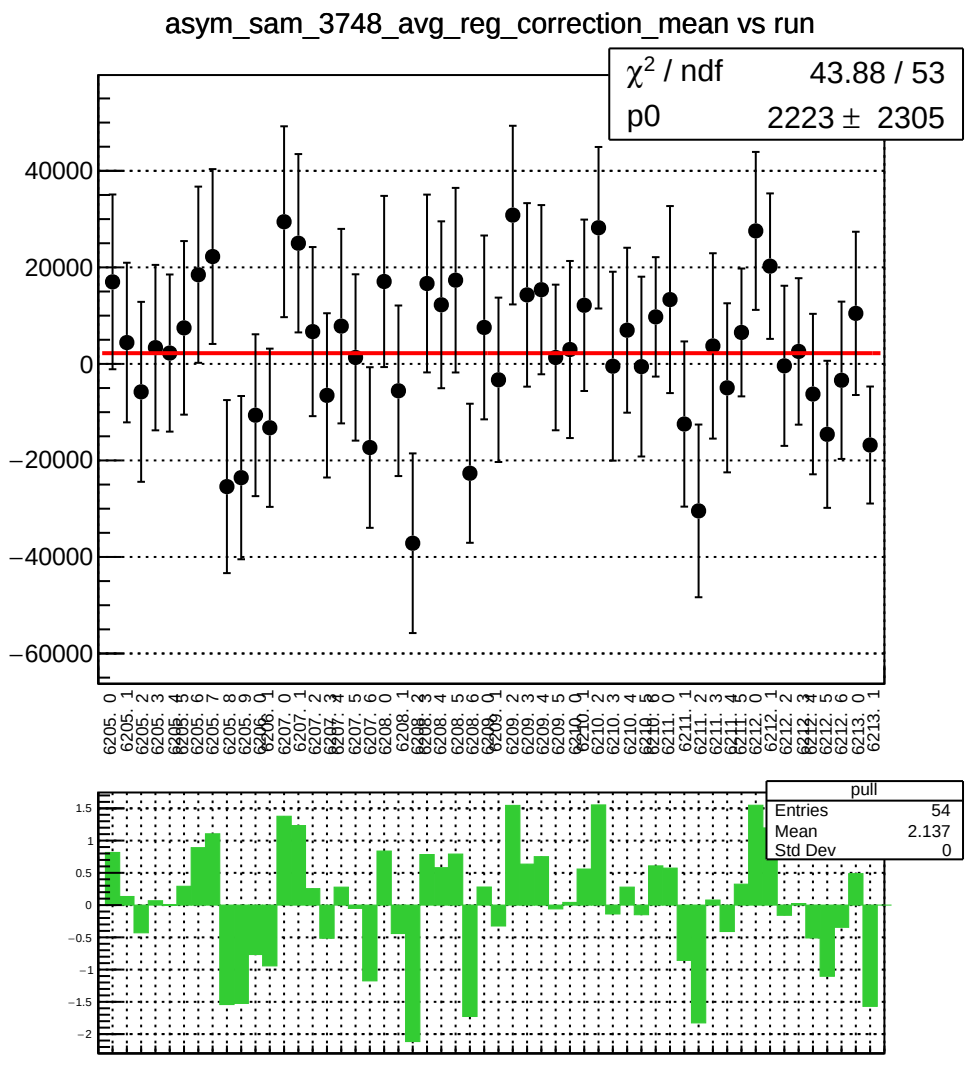

pull1D
Entries 54
Mean −0.08074
Std Dev 1.054

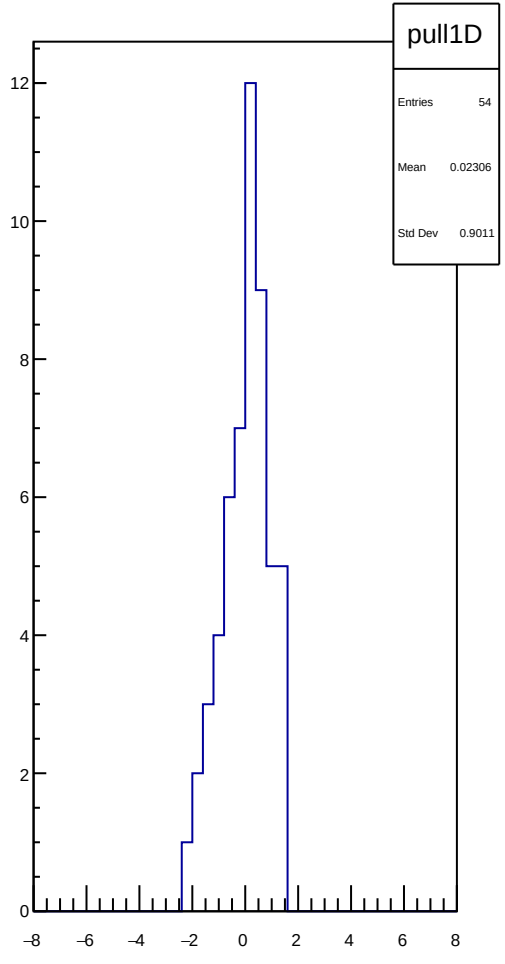

asym_sam_1548_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.36e+05 / 53
p0 5.154e−11 ± 5.679e−14
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

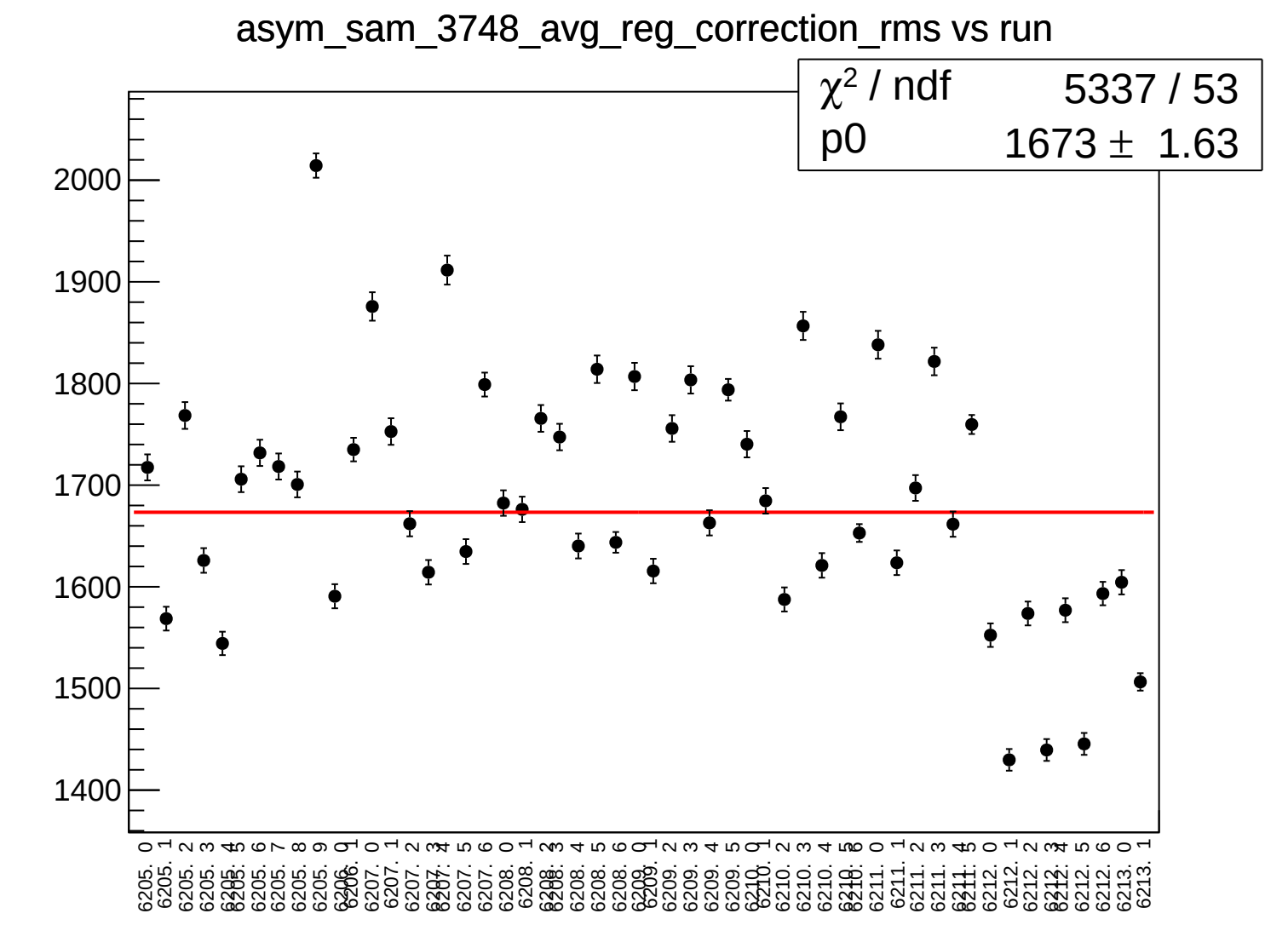

reg_asym_sam_3748_avg_mean vs run
χ² / ndf 61.69 / 53
p0 −318.3 ± 150.7
4000
2000
0
−2000
−4000
pull
Entries 54
Mean −1319
Std Dev 0

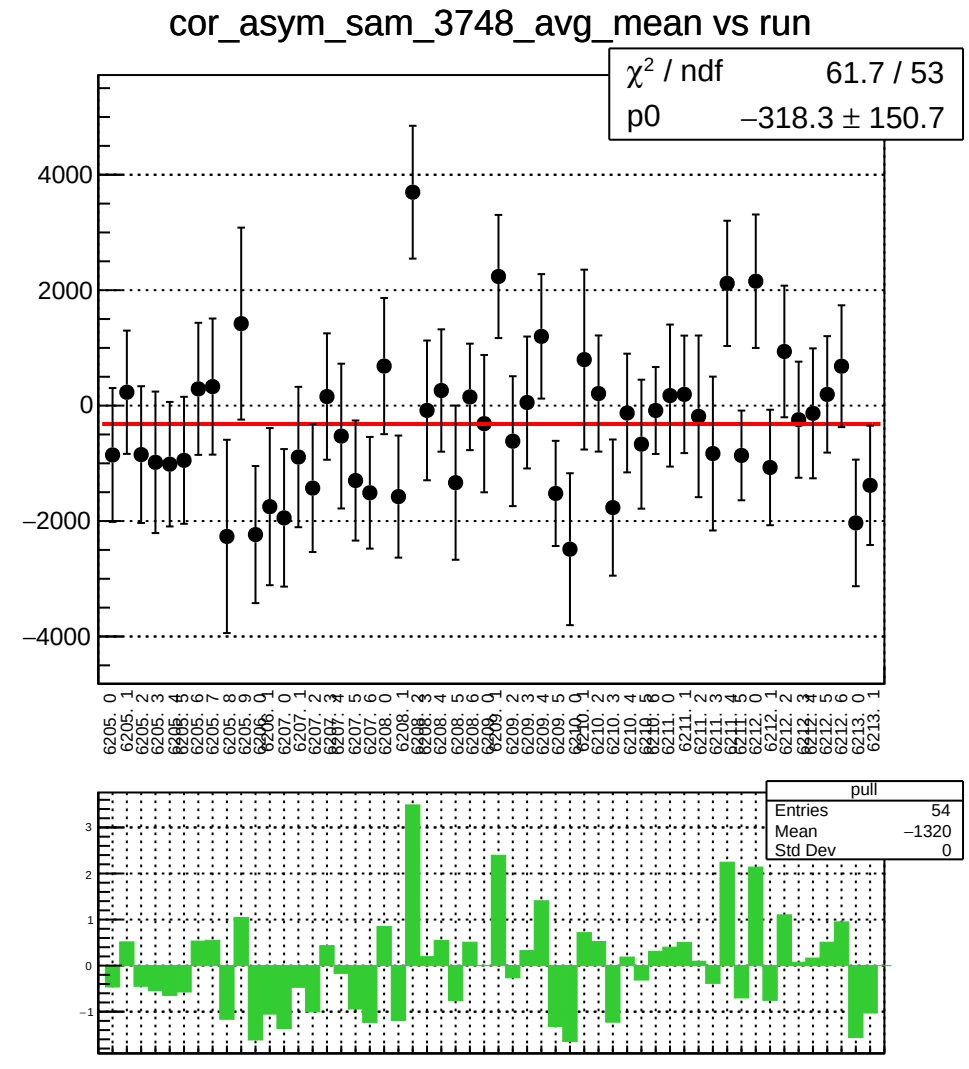

pull1D
Entries 54
Mean −0.002121
Std Dev 1.069
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

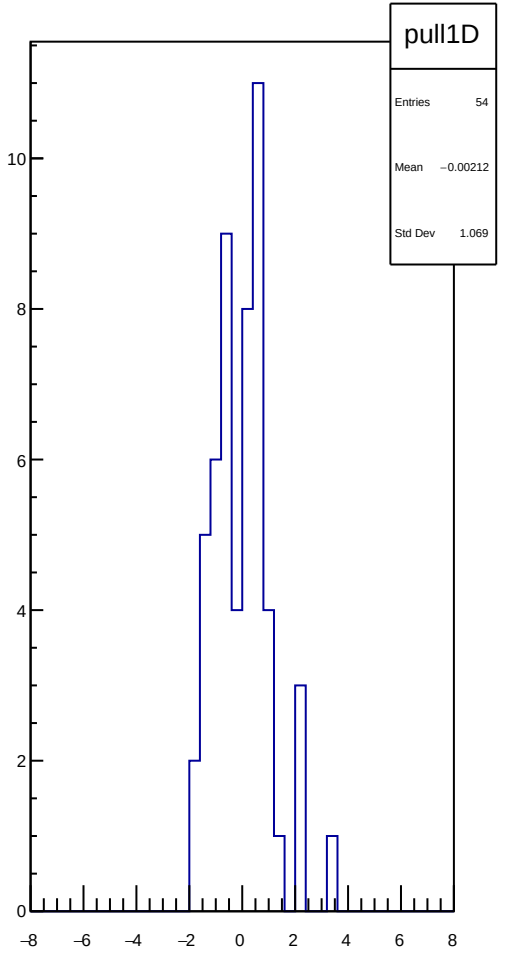

reg_asym_sam_3748_avg_rms vs run
χ² / ndf 1.642e+04 / 53
p0 108.8 ± 0.1066
200
180
160
140
120
100
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 5
6212. 6
6213. 0
6213. 1

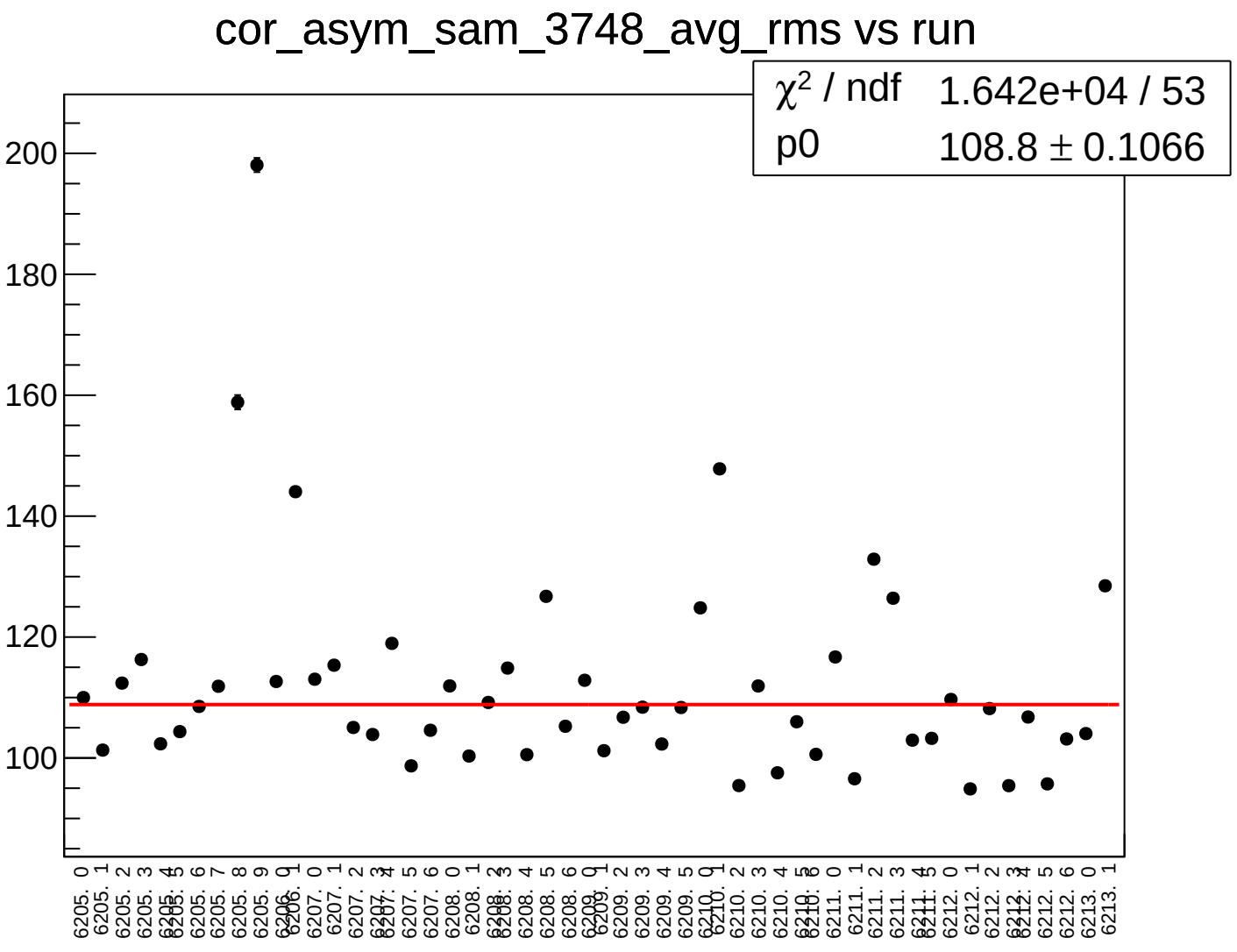

asym_sam_3748_avg_reg_correction_mean vs run
χ² / ndf 43.88 / 53
p0 2223 ± 2305
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 2.137
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

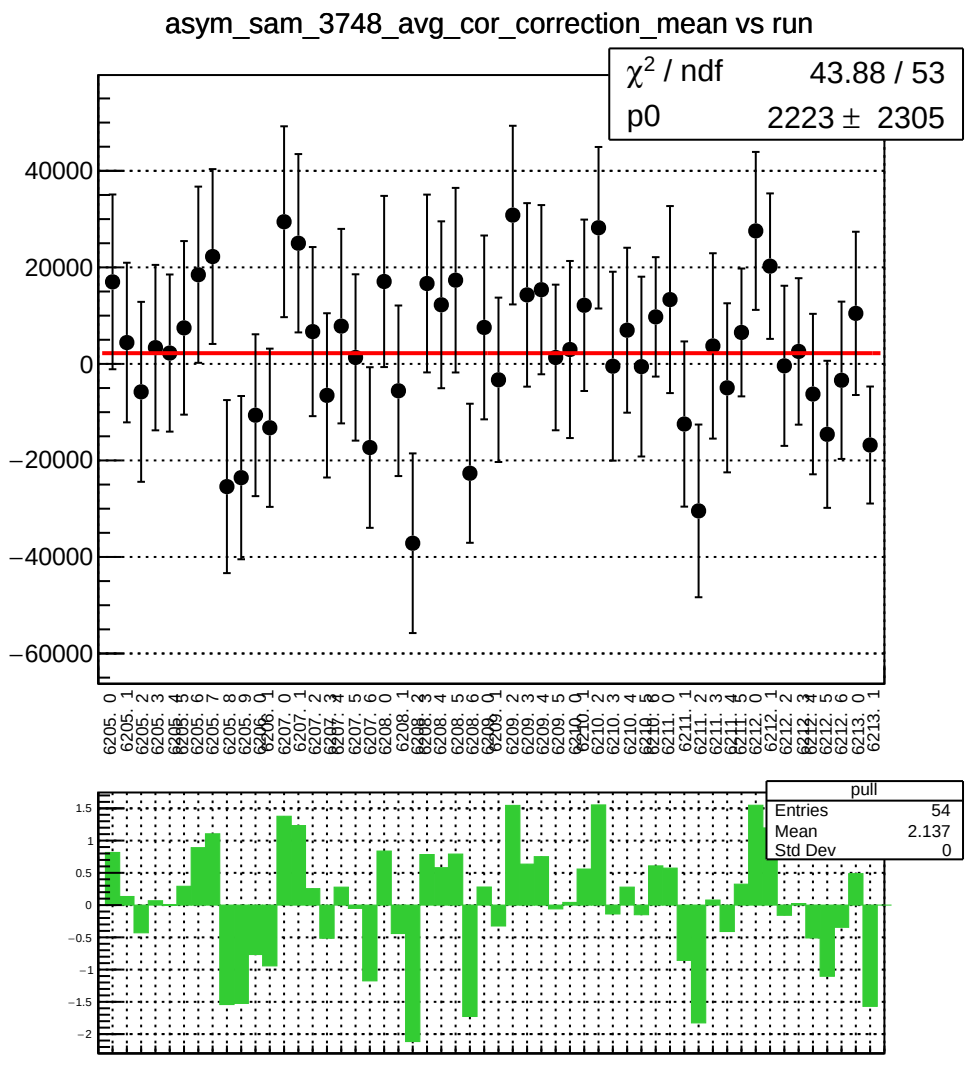

pull1D
Entries 54
Mean 0.02306
Std Dev 0.9011
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

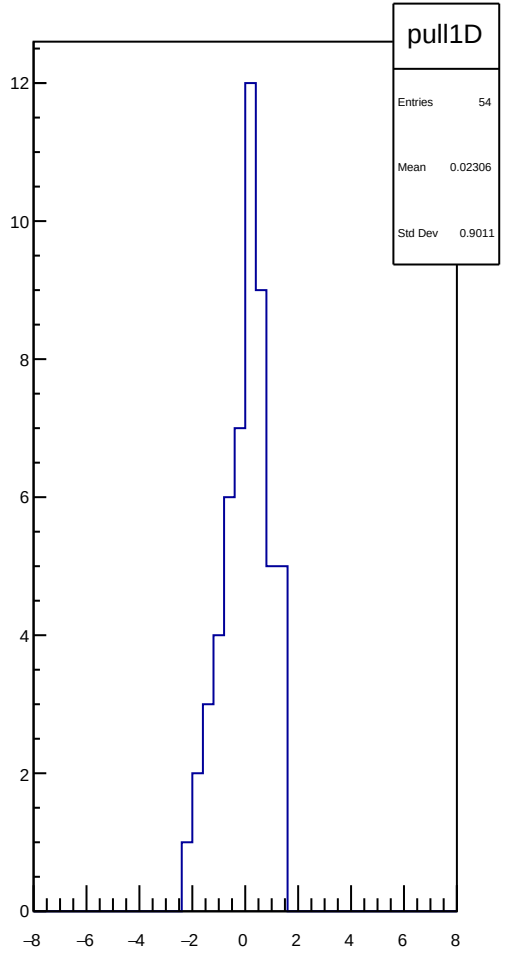

asym_sam_3748_avg_reg_correction_rms vs run
χ² / ndf 5337 / 53
p0 1673 ± 1.63
2000
1900
1800
1700
1600
1500
1400
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

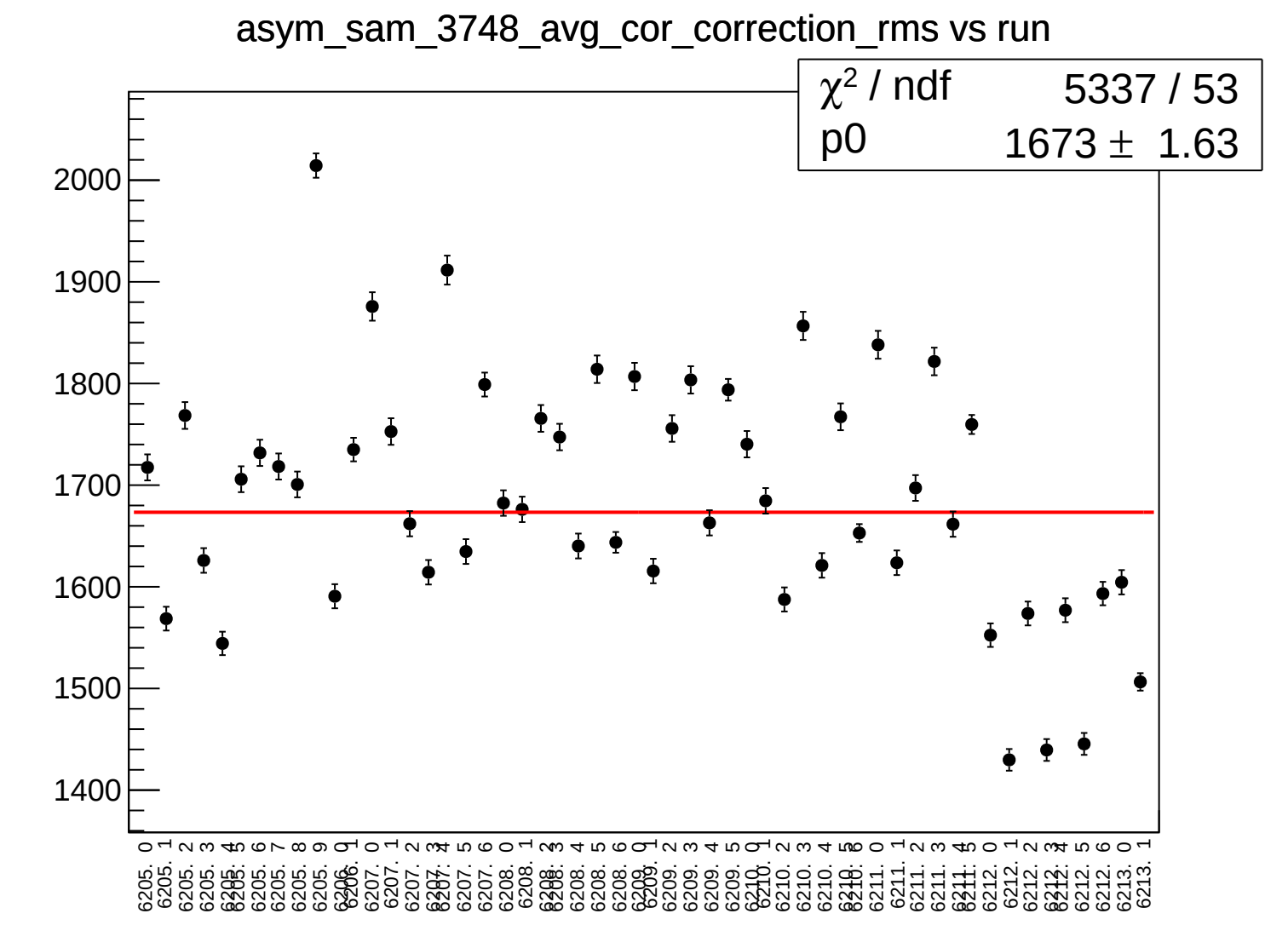

cor_asym_sam_3748_avg_mean vs run
χ² / ndf 61.7 / 53
p0 −318.3 ± 150.7
4000
2000
0
−2000
−4000
pull
Entries 54
Mean −1320
Std Dev 0

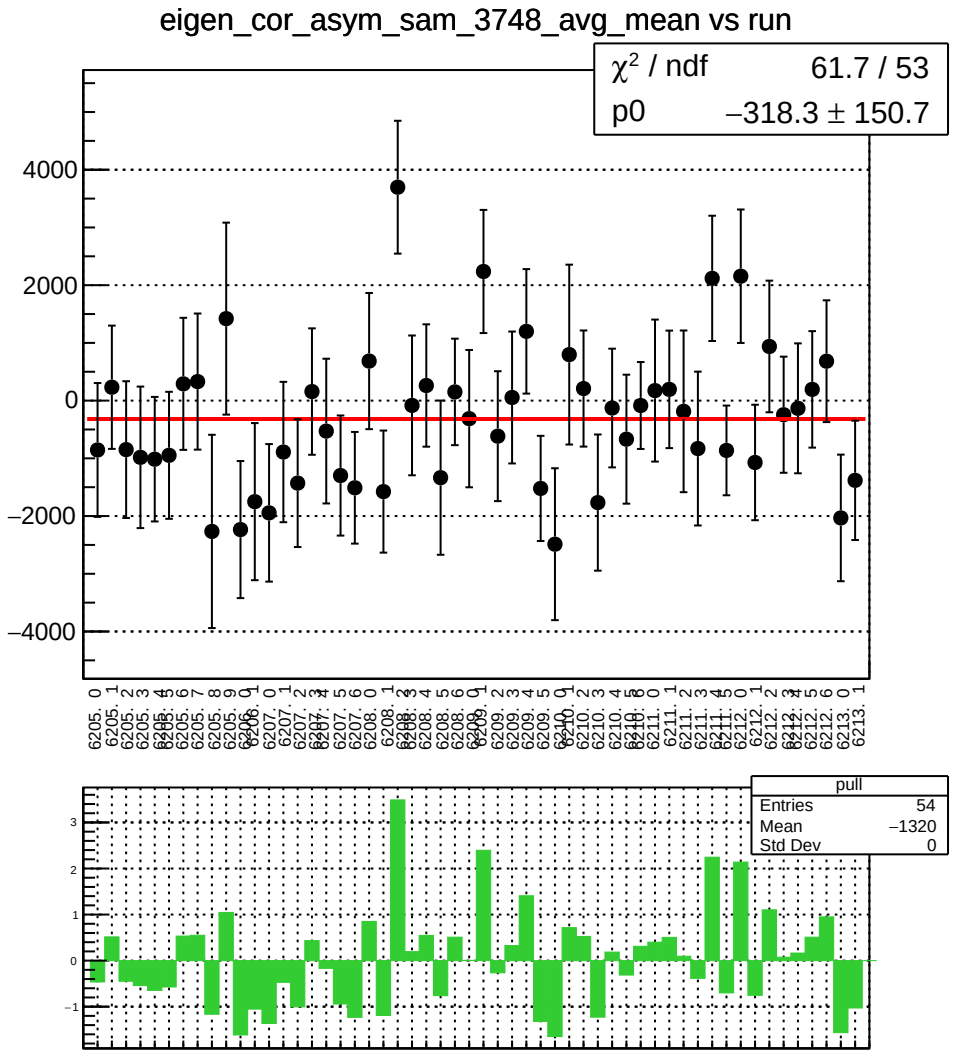

pull1D
Entries 54
Mean −0.00212
Std Dev 1.069
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

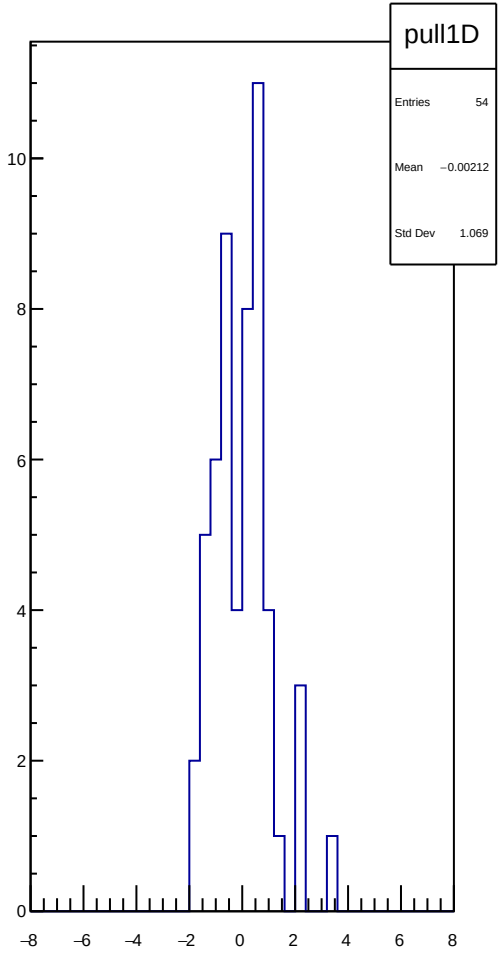

cor_asym_sam_3748_avg_rms vs run
χ² / ndf 1.642e+04 / 53
p0 108.8 ± 0.1066
200
180
160
140
120
100
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

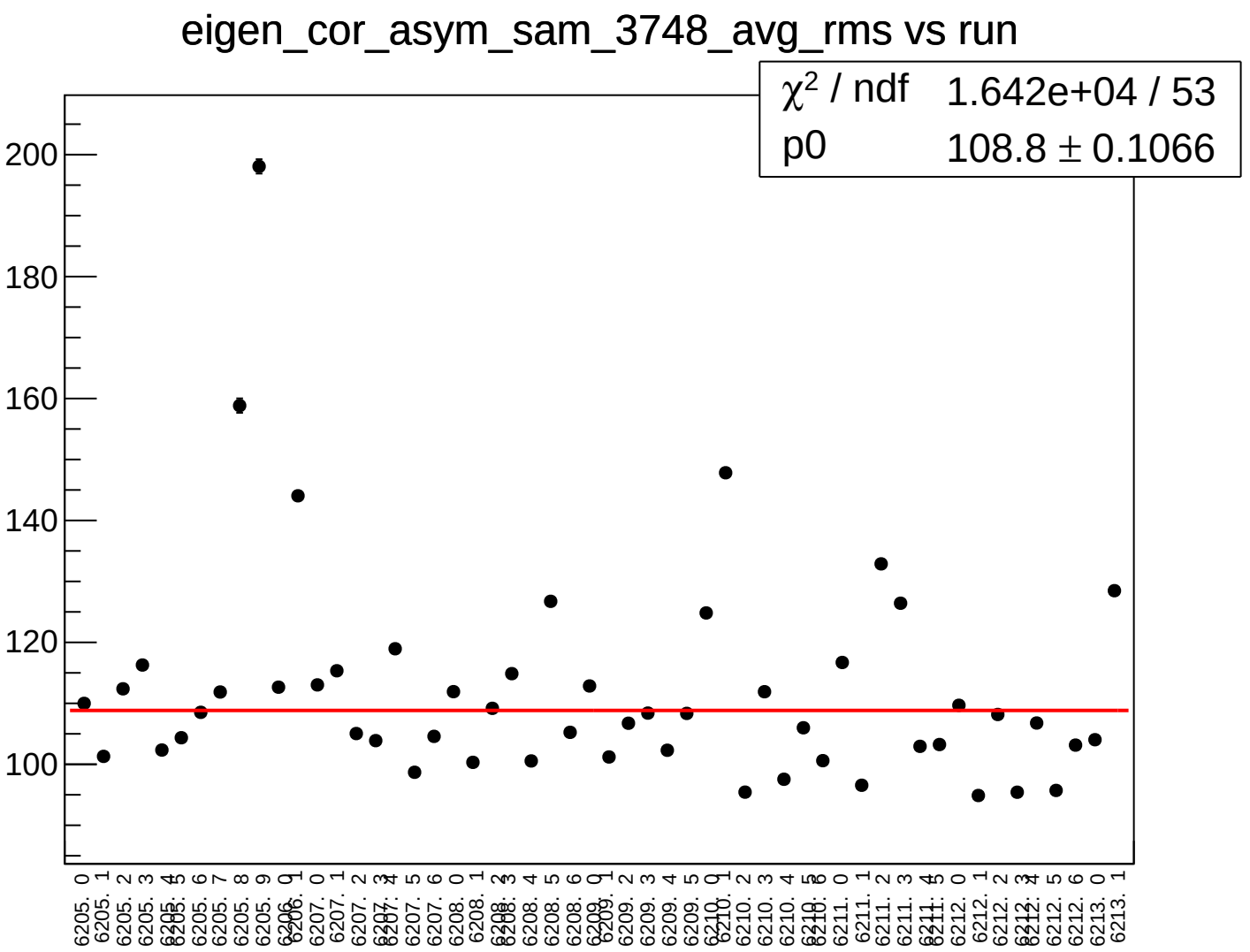

asym_sam_3748_avg_cor_correction_mean vs run
χ² / ndf 43.88 / 53
p0 2223 ± 2305
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 2.137
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 54
Mean 0.02306
Std Dev 0.9011
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_3748_avg_cor_correction_rms vs run
χ² / ndf 5337 / 53
p0 1673 ± 1.63
2000
1900
1800
1700
1600
1500
1400
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


eigen_cor_asym_sam_3748_avg_mean vs run
χ² / ndf 61.7 / 53
p0 −318.3 ± 150.7
4000
2000
0
−2000
−4000
pull
Entries 54
Mean −1320
Std Dev 0
3
2
1
0
−1


pull1D
Entries 54
Mean −0.00212
Std Dev 1.069
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_sam_3748_avg_rms vs run
χ² / ndf 1.642e+04 / 53
p0 108.8 ± 0.1066
200
180
160
140
120
100
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
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6207. 5
6207. 6
6208. 0
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6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
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6211. 4
6211. 5
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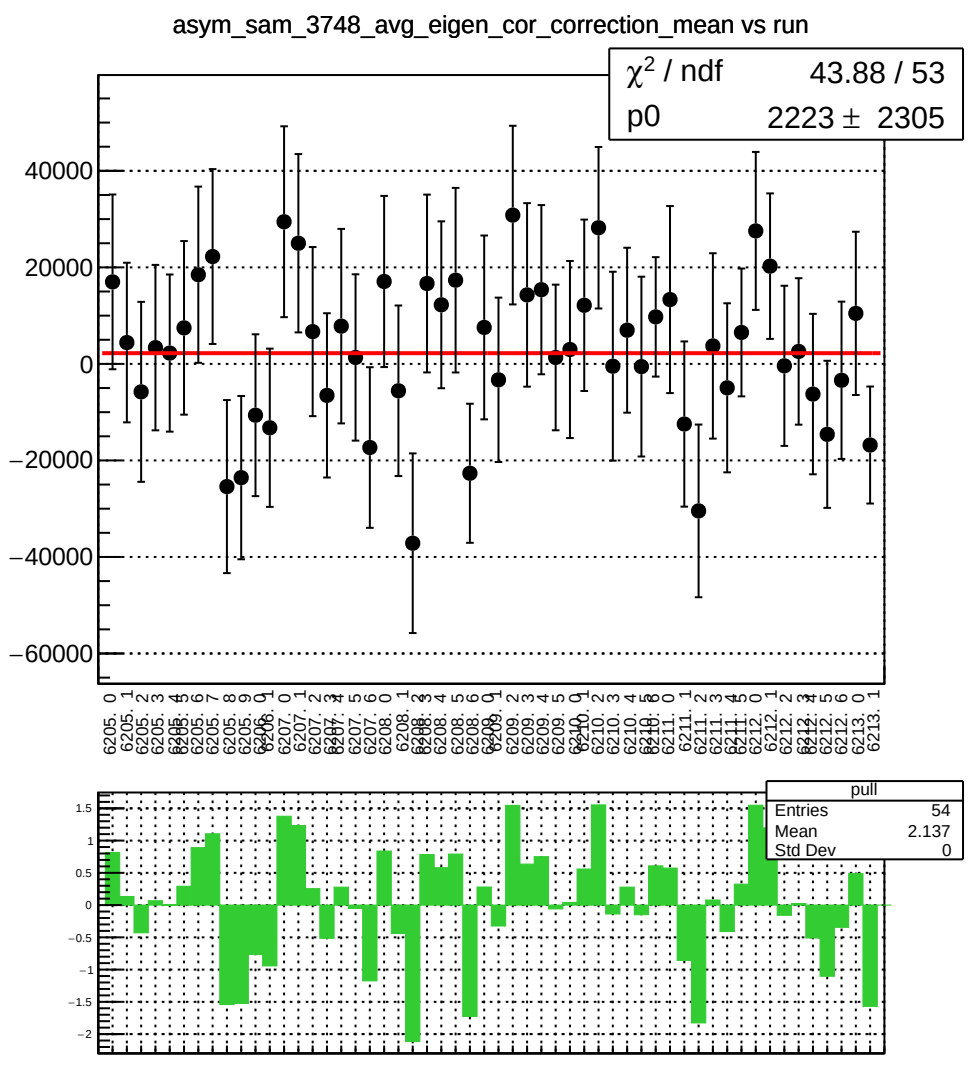
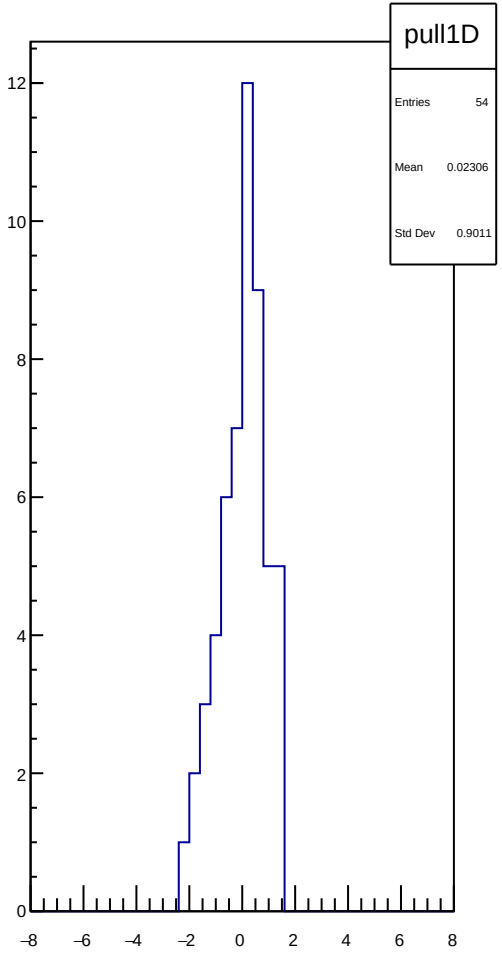
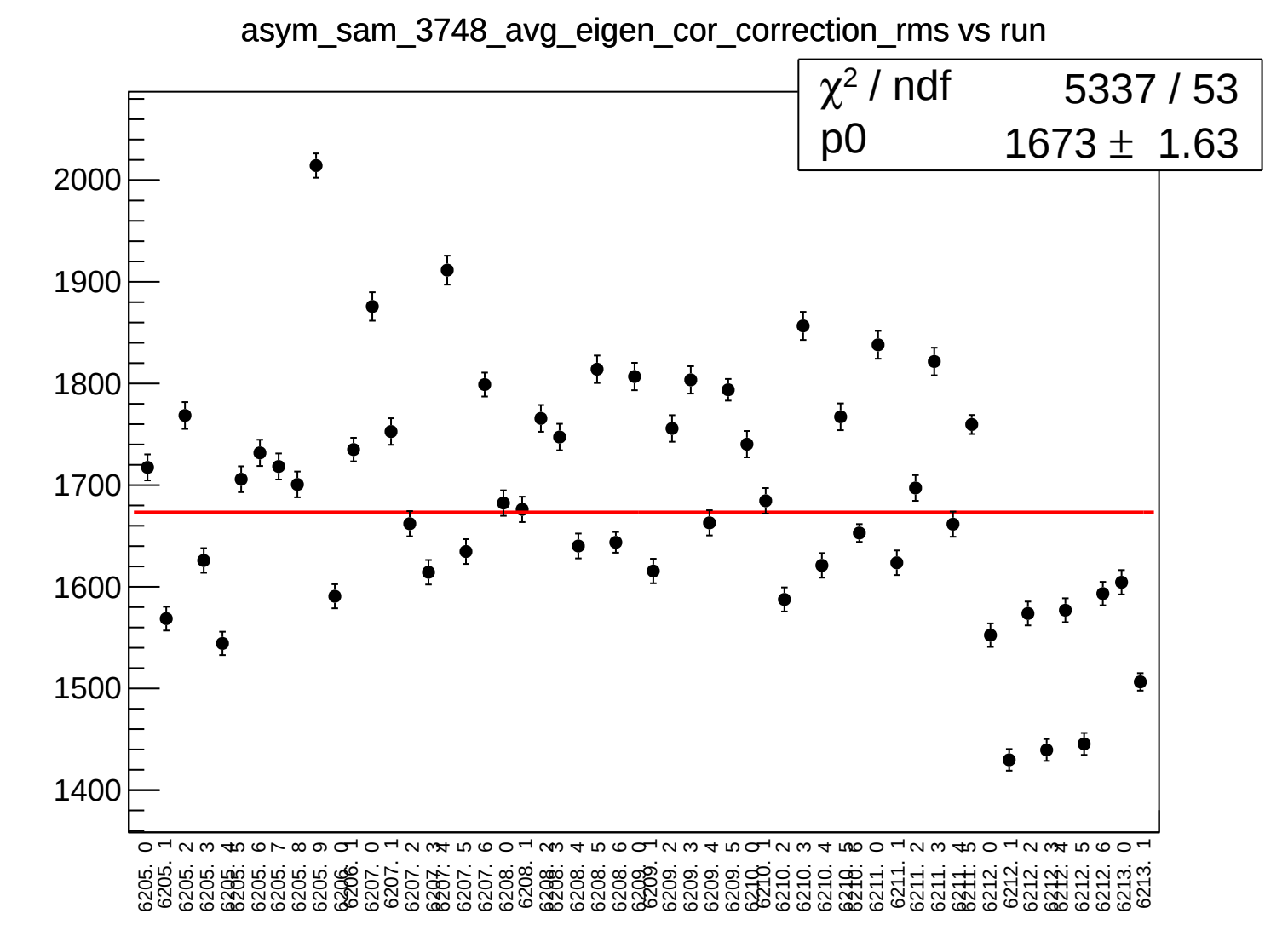
6212. 6
6213. 0
6213. 1


asym_sam_3748_avg_eigen_cor_correction_mean vs run
χ² / ndf 43.88 / 53
p0 2223 ± 2305
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 2.137
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 54
Mean 0.02306
Std Dev 0.9011
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_3748_avg_eigen_cor_correction_rms vs run
χ² / ndf 5337 / 53
p0 1673 ± 1.63
2000
1900
1800
1700
1600
1500
1400
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
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6208. 0
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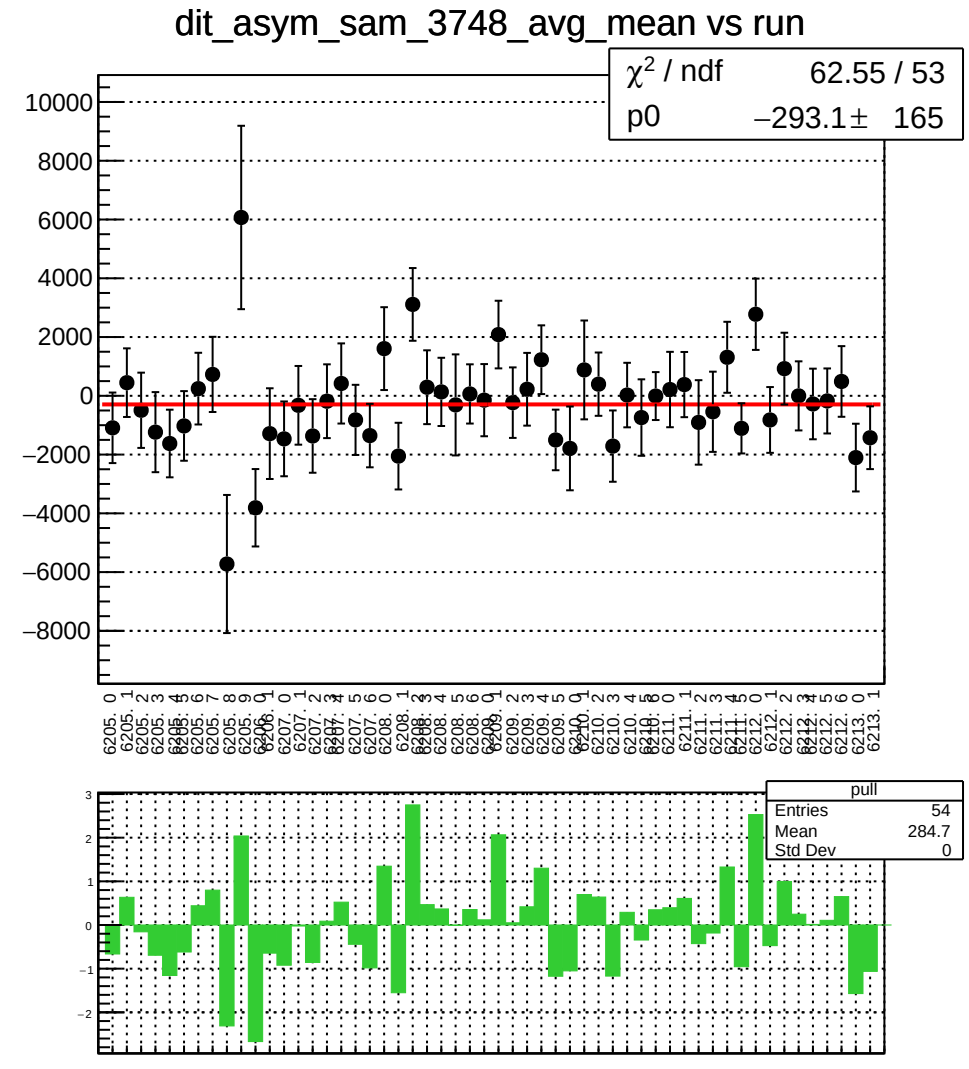
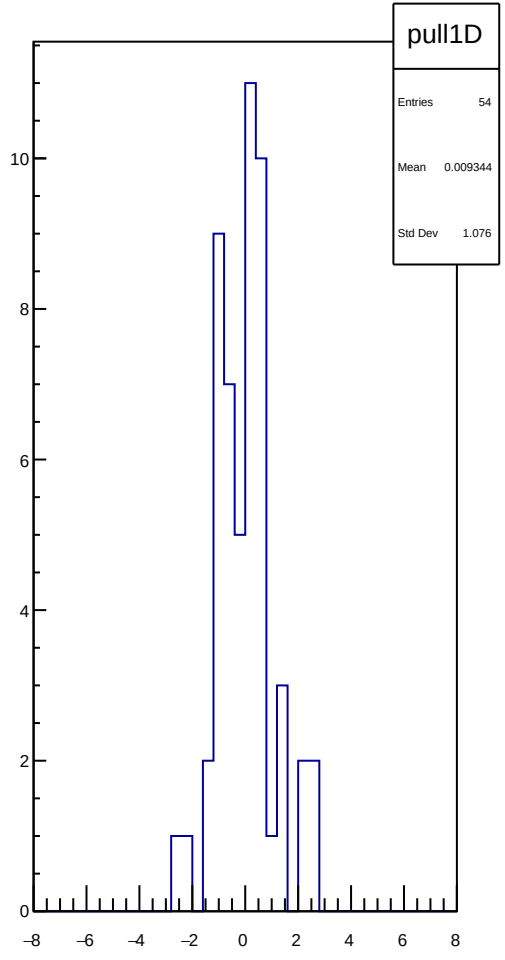
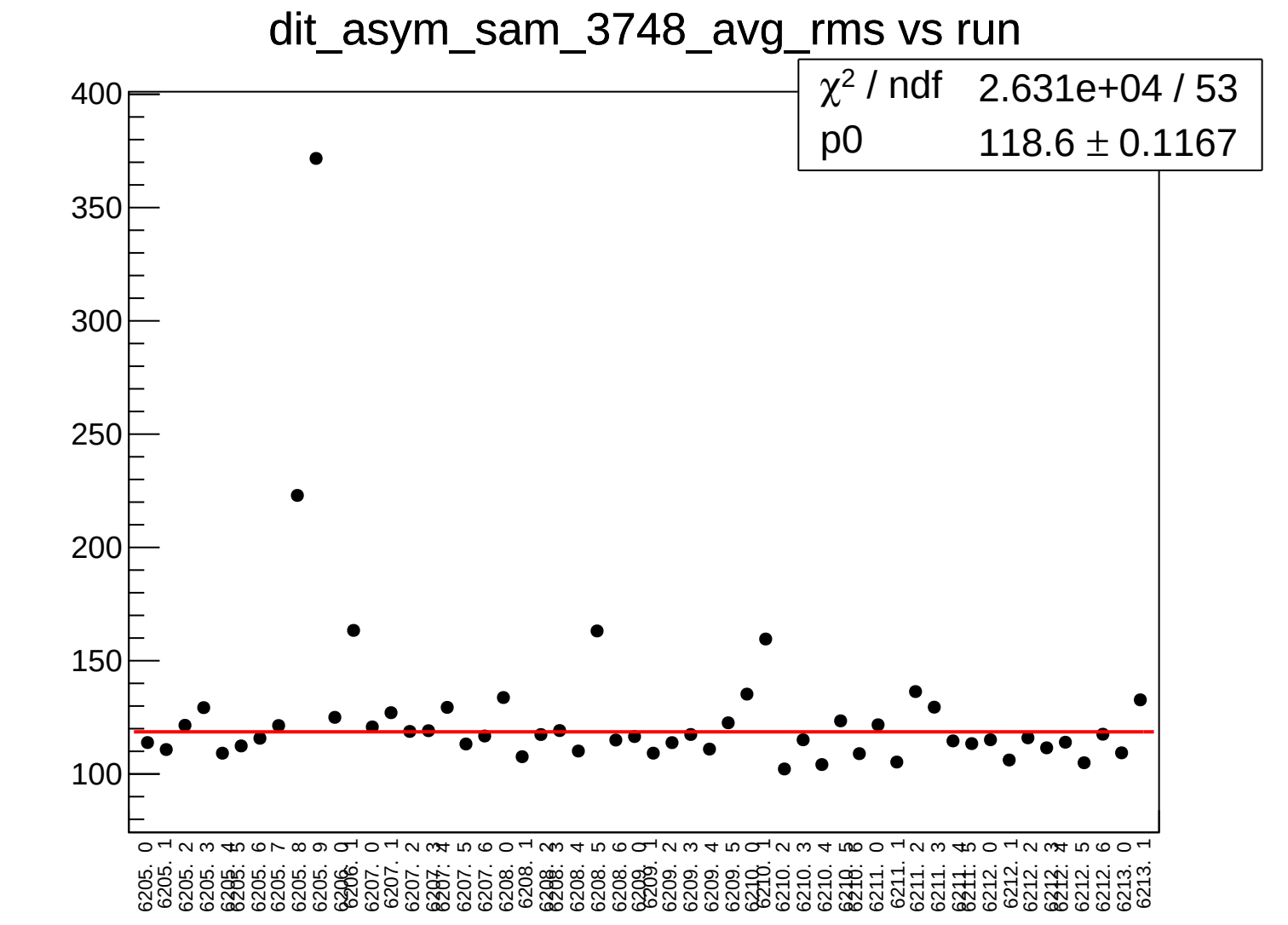
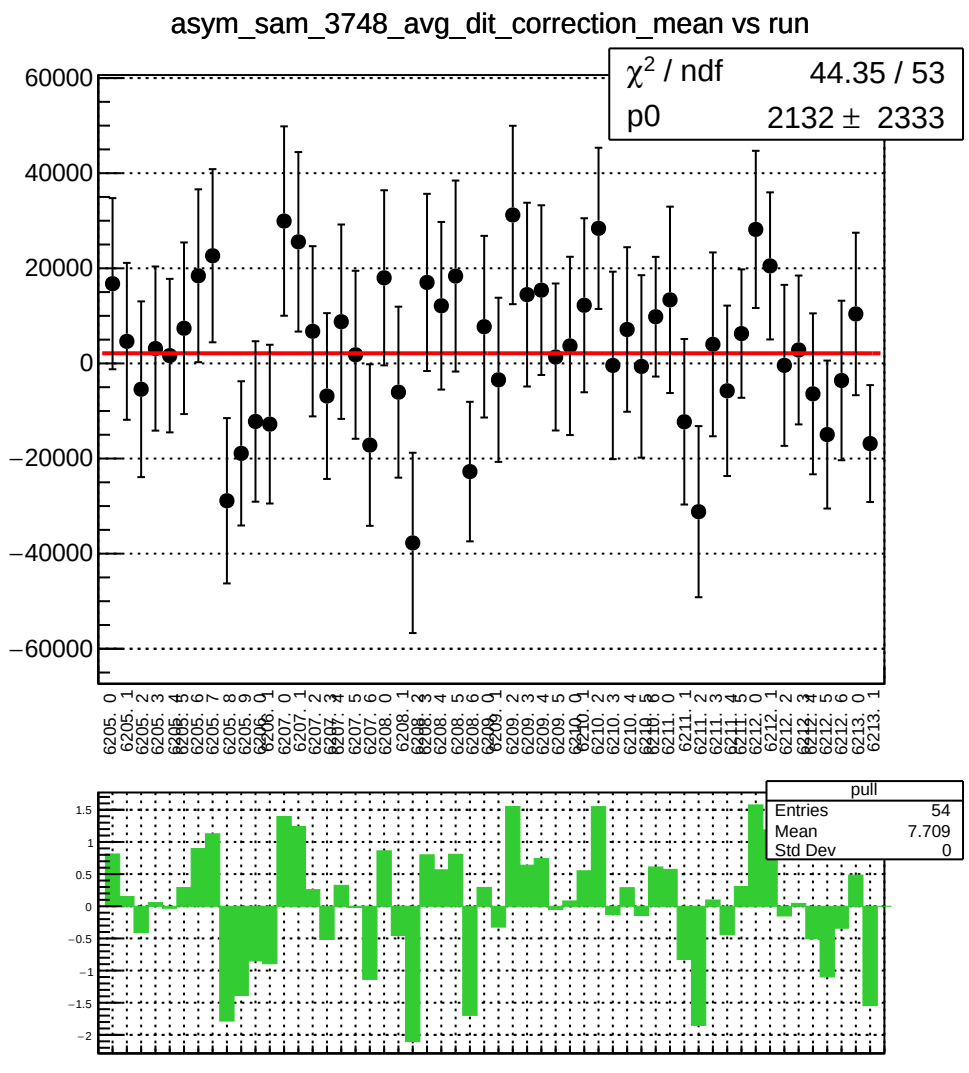
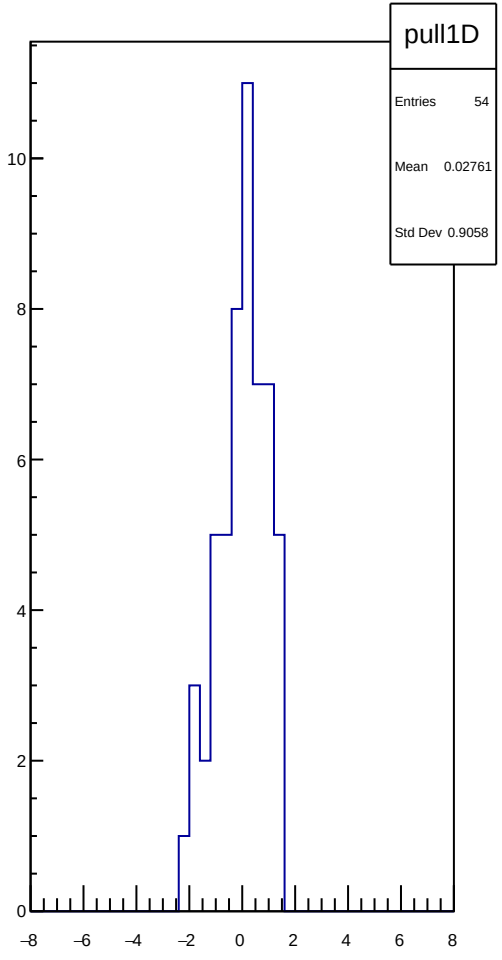
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

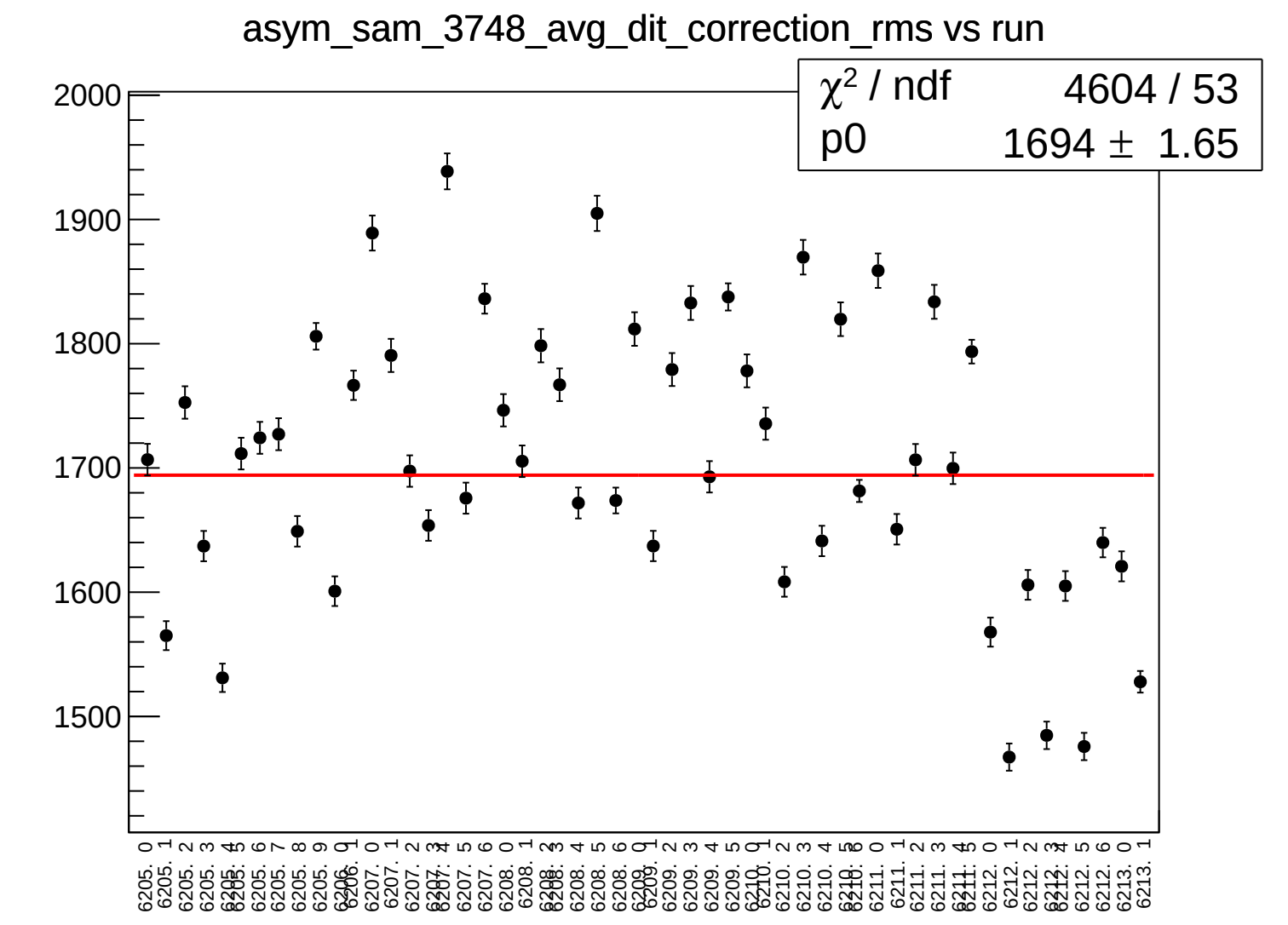

dit_asym_sam_3748_avg_mean vs run
χ² / ndf 62.55 / 53
p0 −293.1± 165
pull
Entries 54
Mean 284.7
Std Dev 0

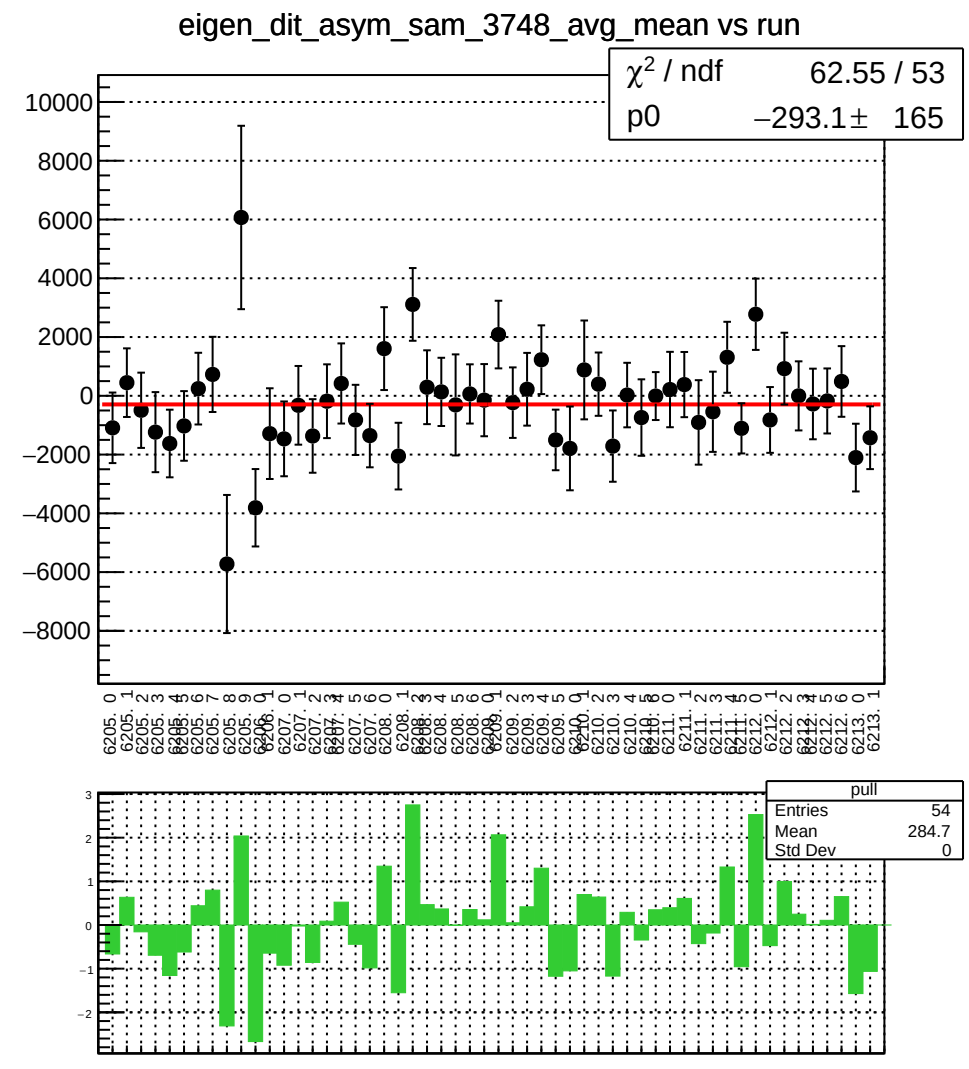

pull1D
Entries 54
Mean 0.009344
Std Dev 1.076

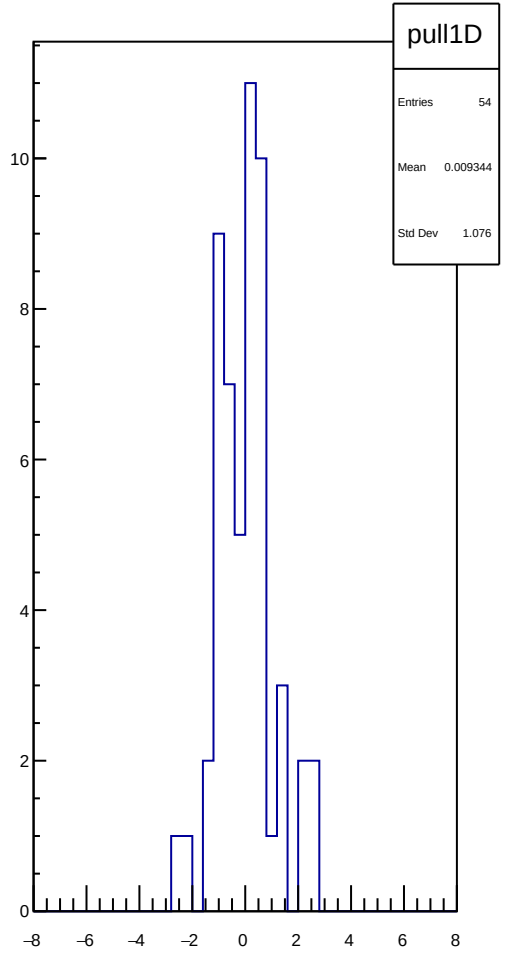

dit_asym_sam_3748_avg_rms vs run
χ² / ndf 2.631e+04 / 53
p0 118.6 ± 0.1167
400
350
300
250
200
150
100
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6208. 7
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6209. 6
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

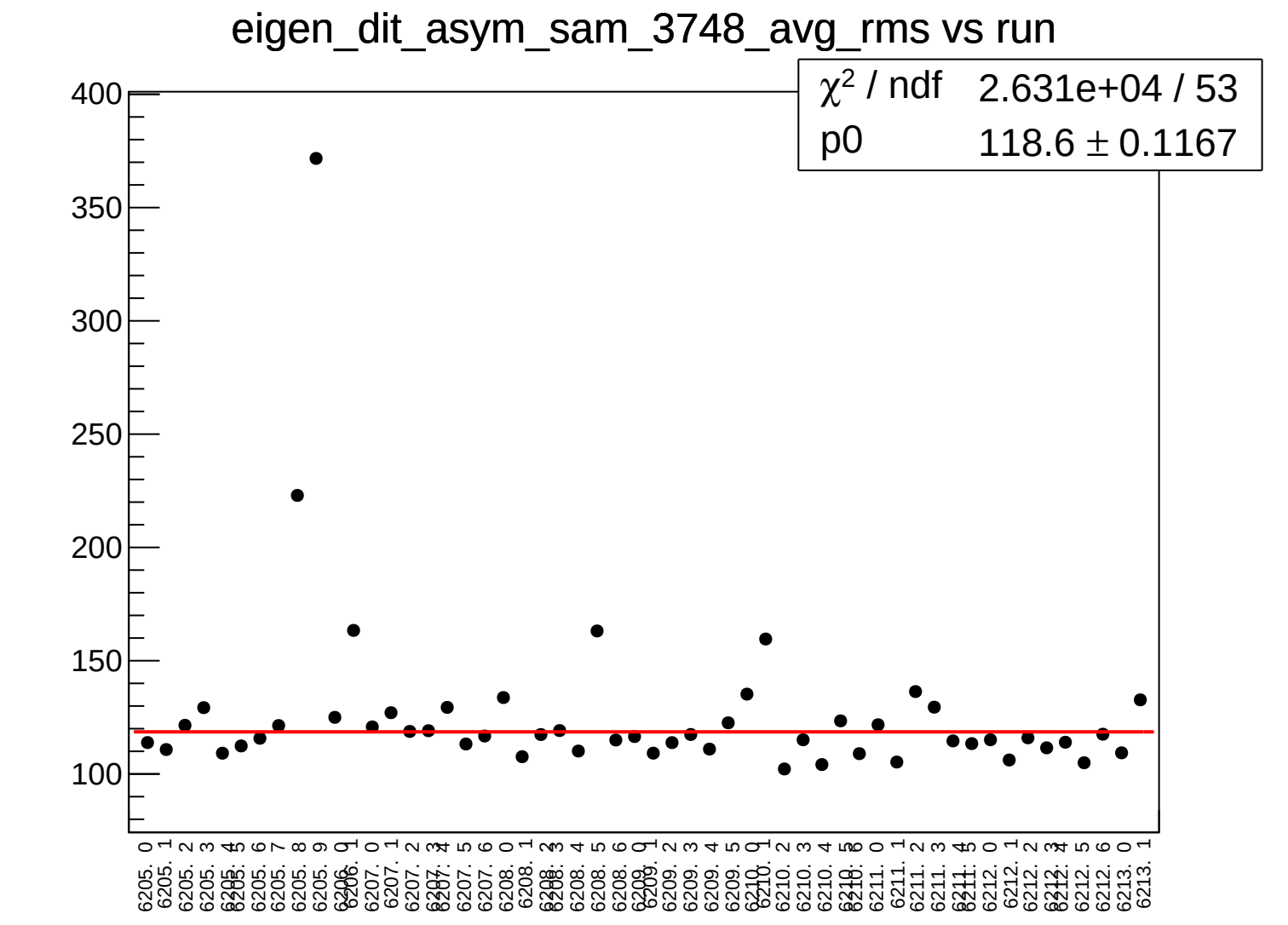

asym_sam_3748_avg_dit_correction_mean vs run
χ² / ndf 44.35 / 53
p0 2132 ± 2333
pull
Entries 54
Mean 7.709
Std Dev 0

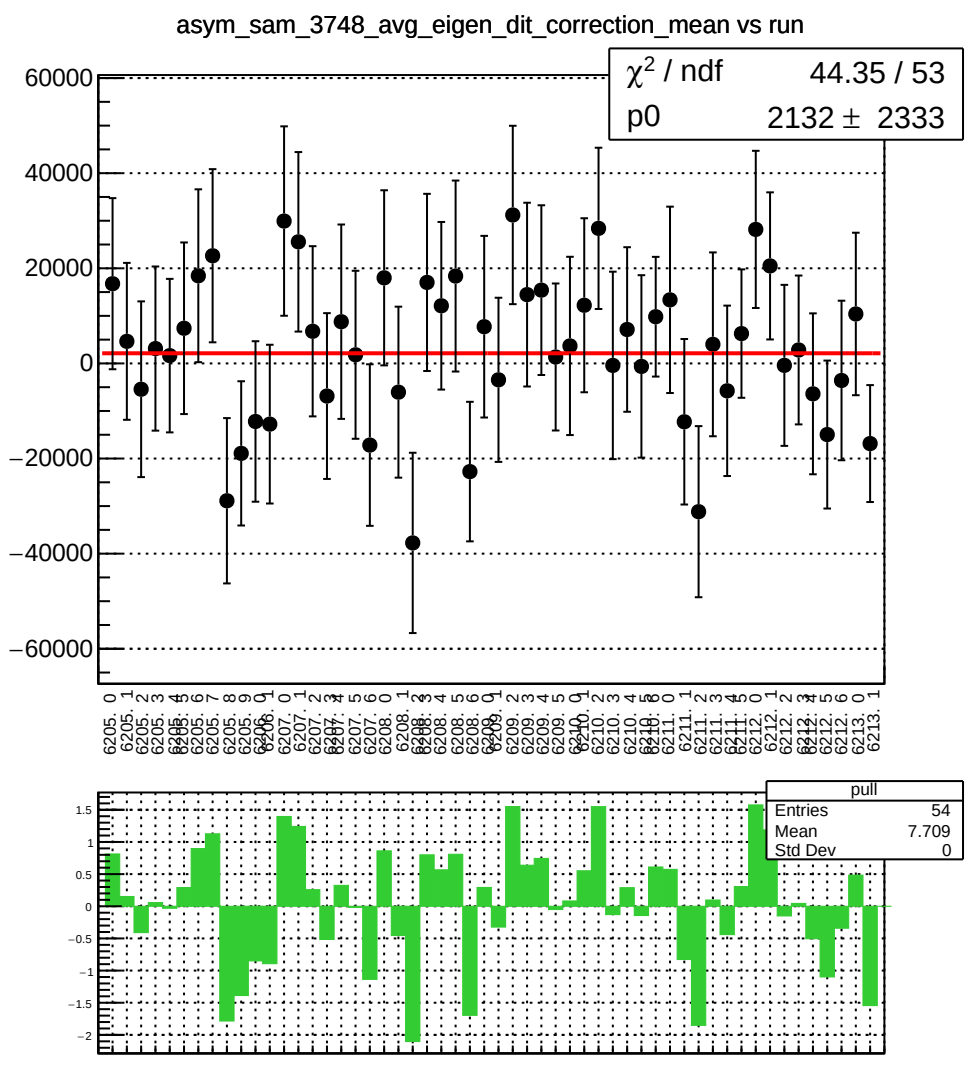

pull1D
Entries 54
Mean 0.02761
Std Dev 0.9058

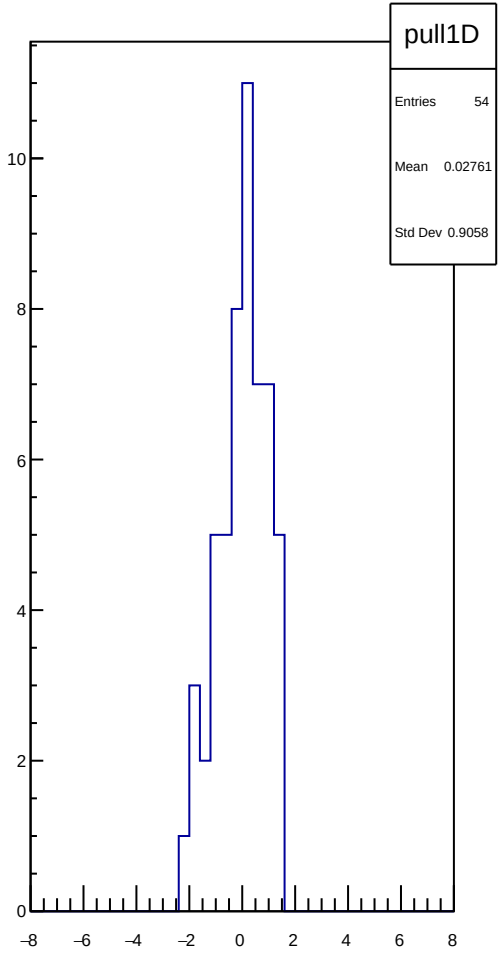

asym_sam_3748_avg_dit_correction_rms vs run
χ² / ndf 4604 / 53
p0 1694 ± 1.65
2000
1900
1800
1700
1600
1500
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

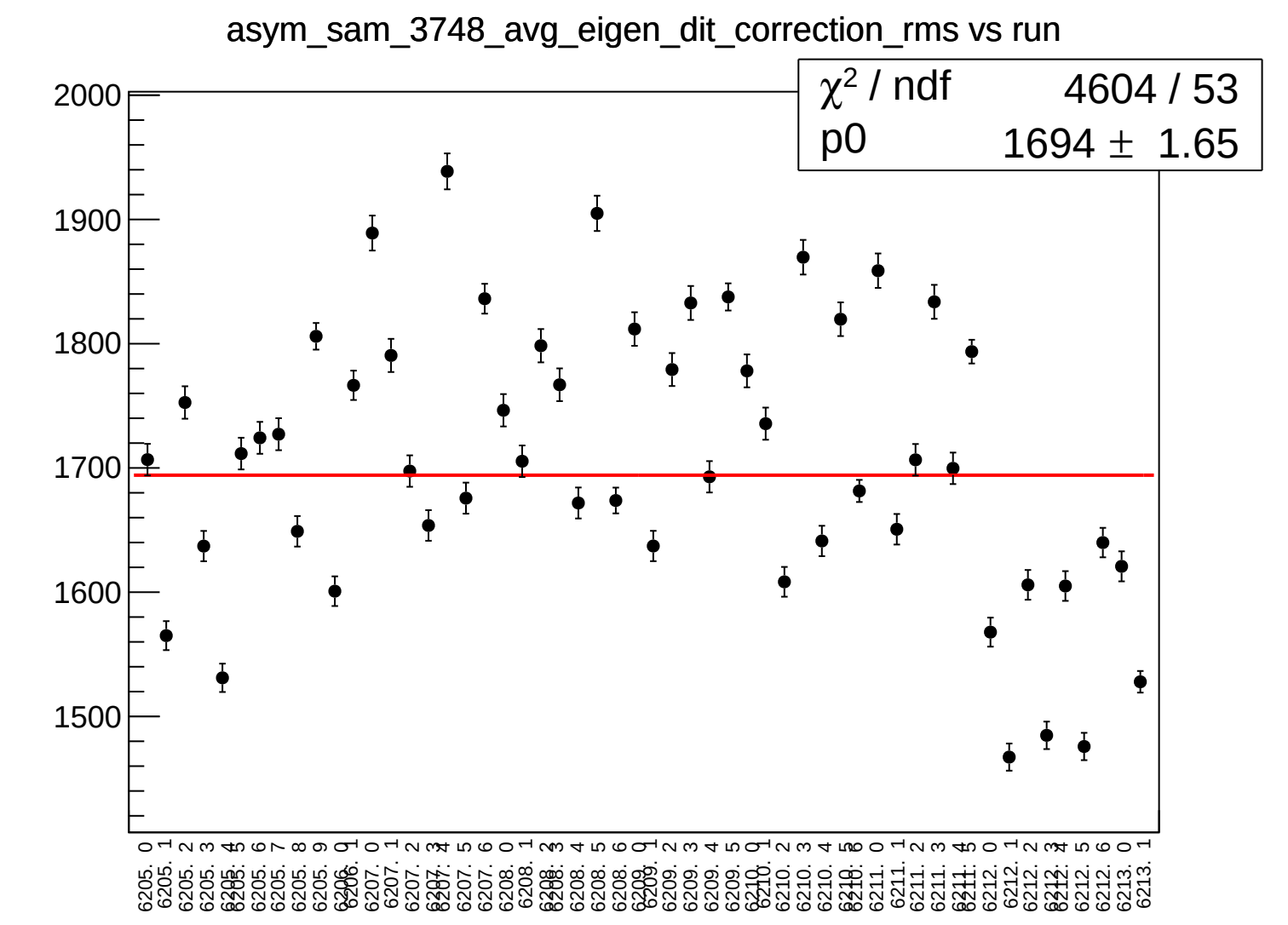

eigen_dit_asym_sam_3748_avg_mean vs run
χ² / ndf 62.55 / 53
p0 −293.1± 165
pull
Entries 54
Mean 284.7
Std Dev 0

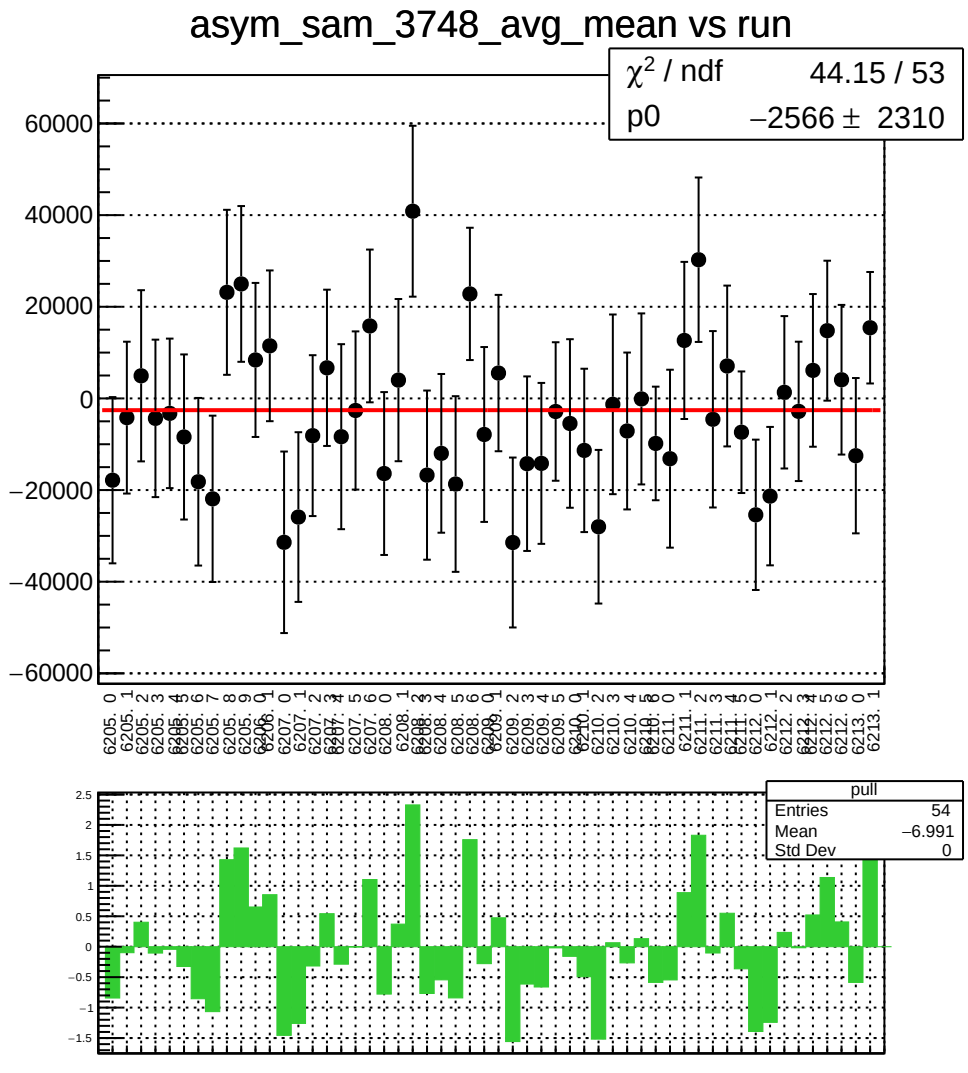

pull1D
Entries 54
Mean 0.009344
Std Dev 1.076

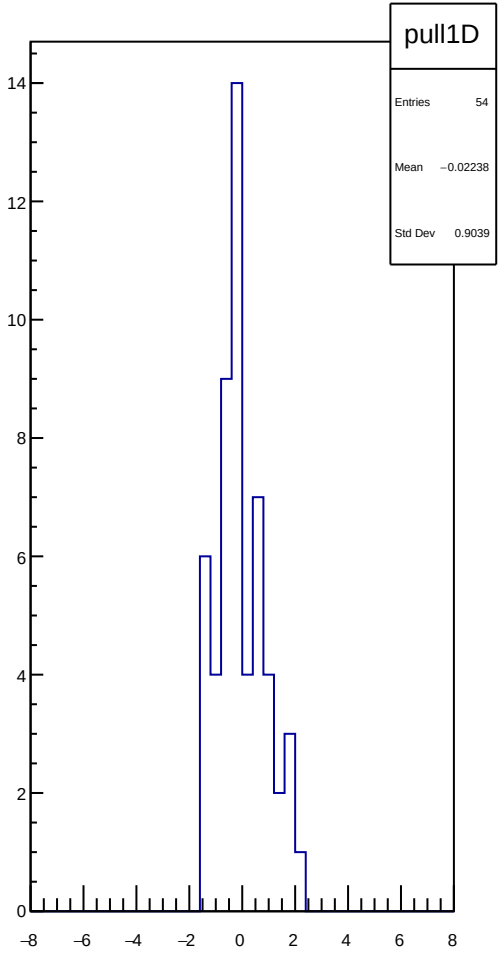

eigen_dit_asym_sam_3748_avg_rms vs run
χ² / ndf 2.631e+04 / 53
p0 118.6 ± 0.1167
400
350
300
250
200
150
100
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6208. 7
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

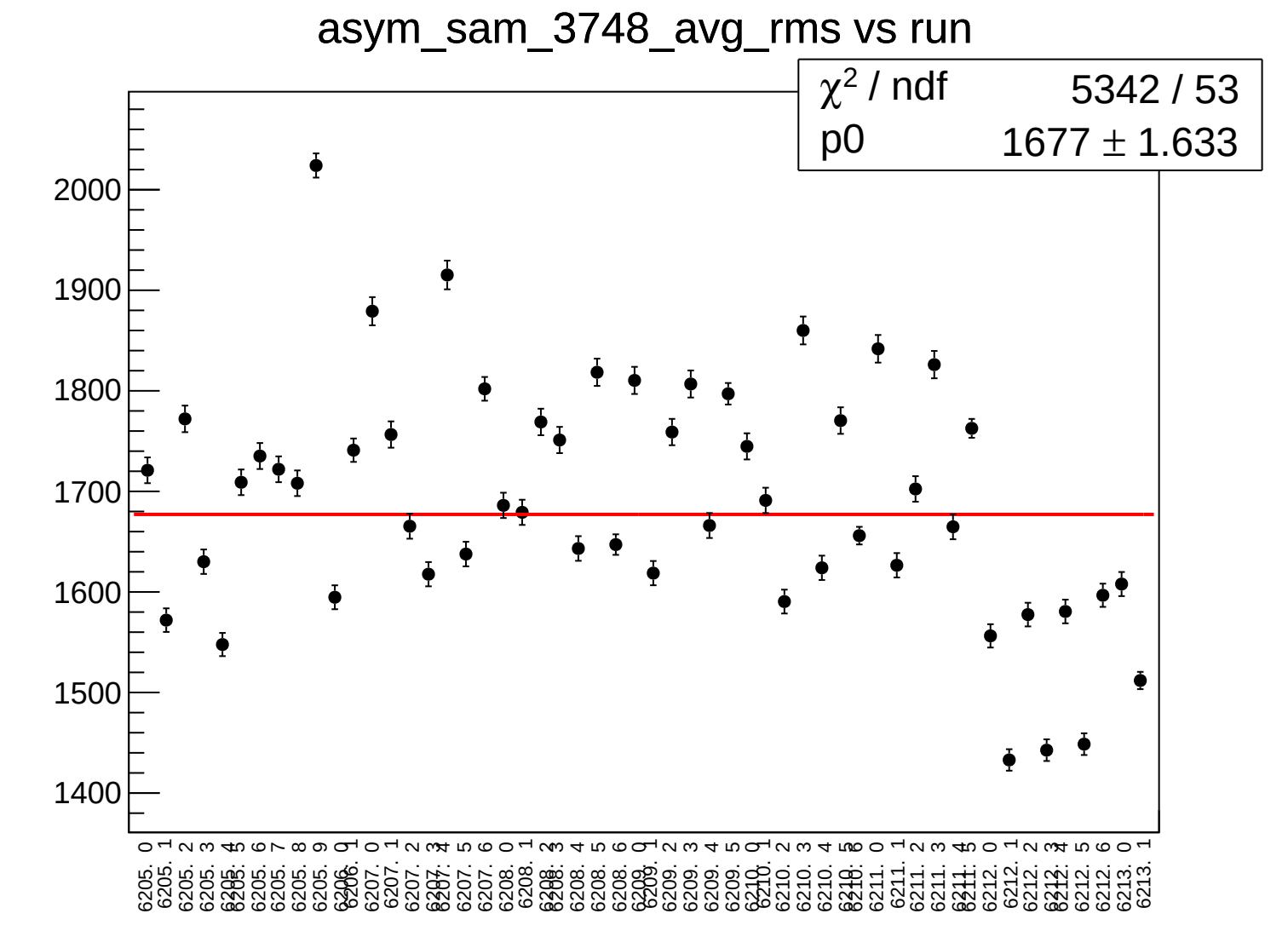

asym_sam_3748_avg_eigen_dit_correction_mean vs run
χ² / ndf 44.35 / 53
p0 2132 ± 2333
pull
Entries 54
Mean 7.709
Std Dev 0

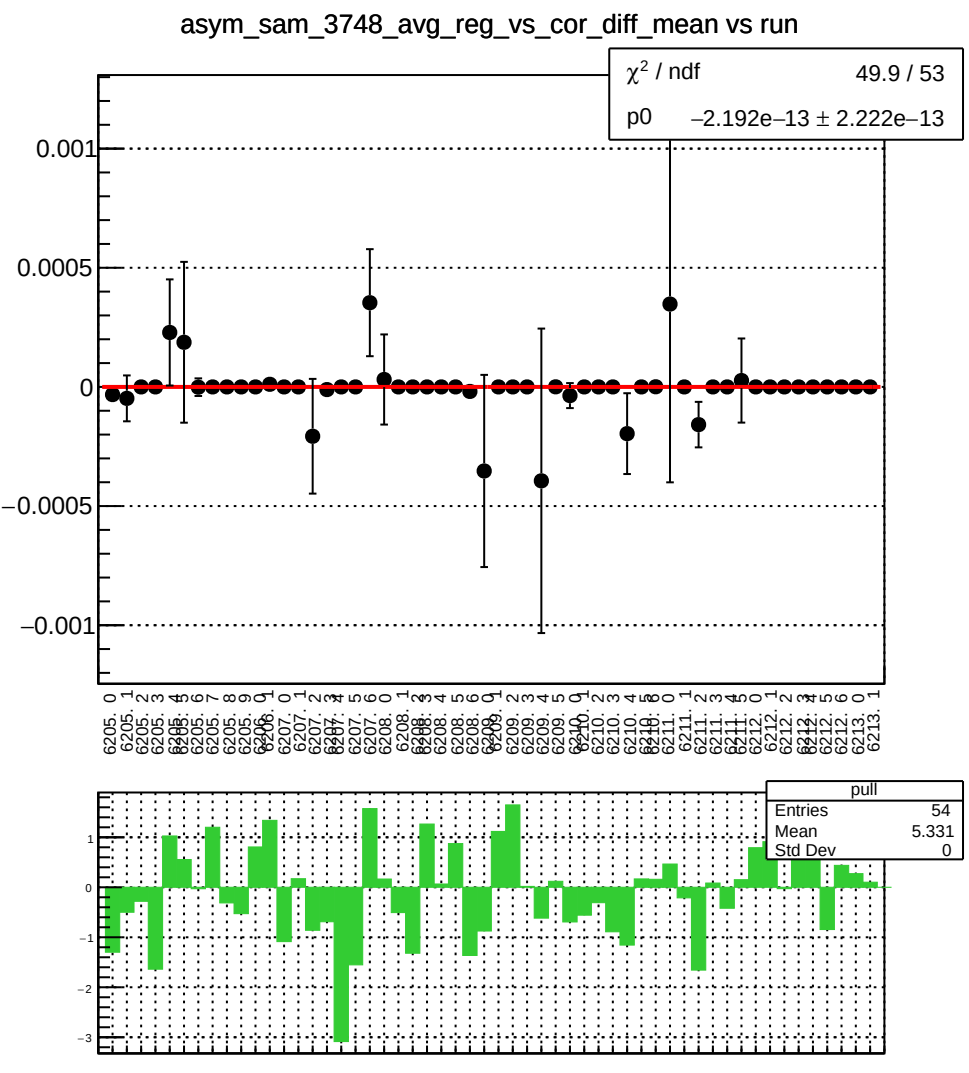

pull1D
Entries 54
Mean 0.02761
Std Dev 0.9058

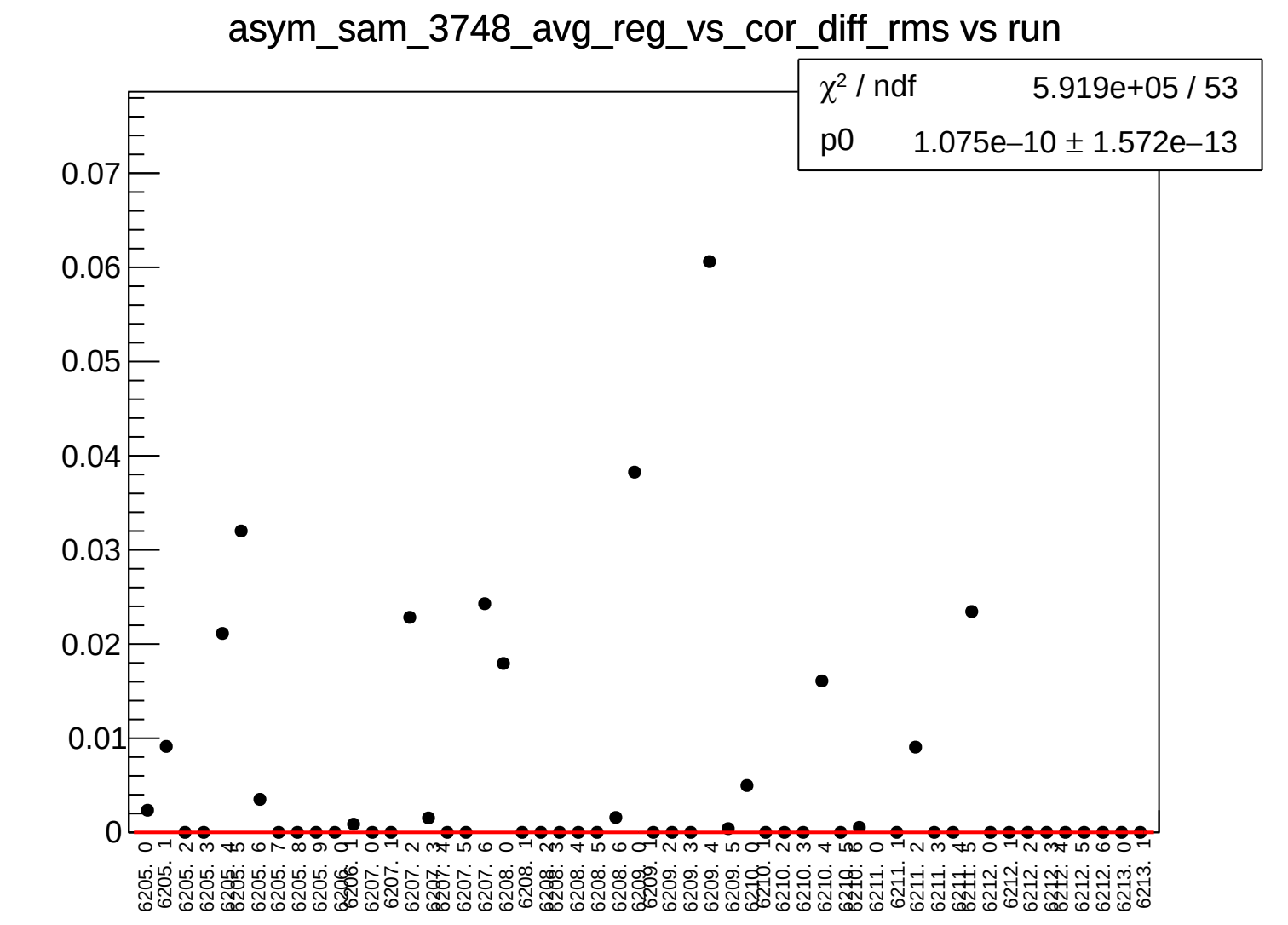

asym_sam_3748_avg_eigen_dit_correction_rms vs run
χ² / ndf 4604 / 53
p0 1694 ± 1.65
2000
1900
1800
1700
1600
1500
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

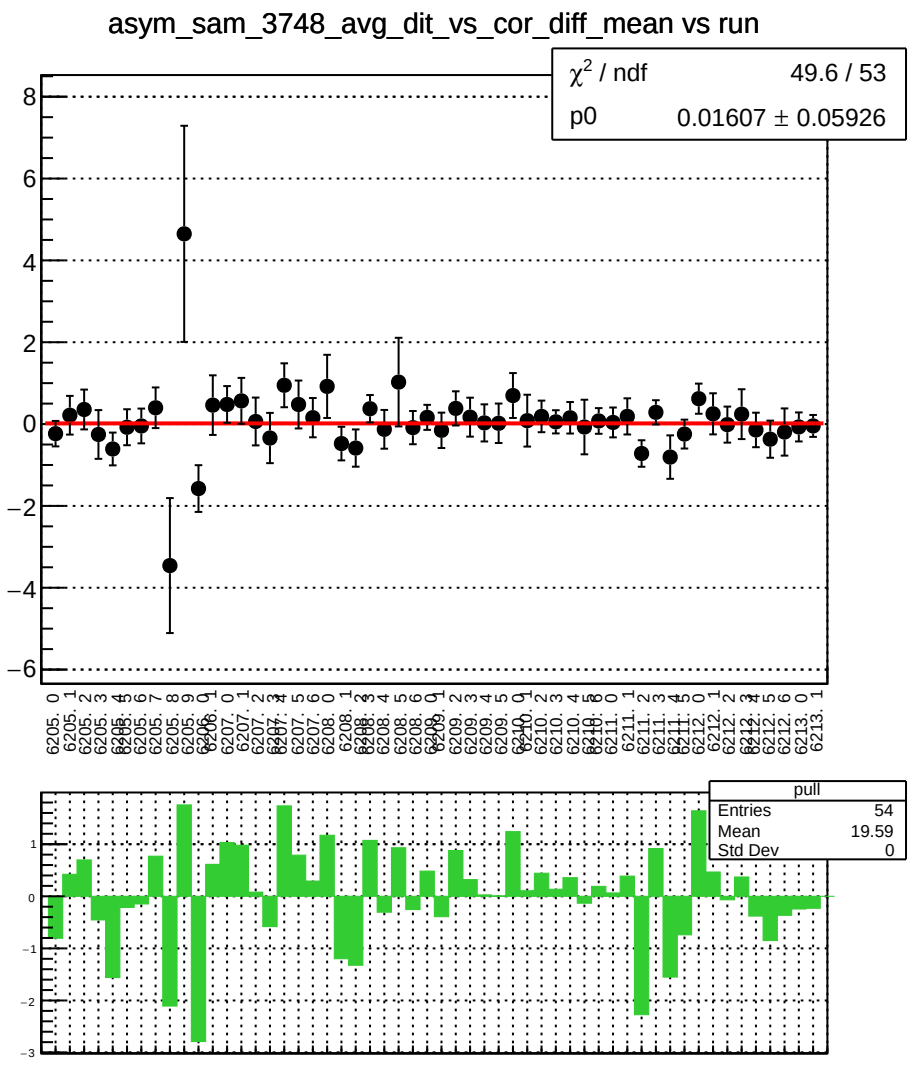

asym_sam_3748_avg_mean vs run
χ² / ndf 44.15 / 53
p0 −2566 ± 2310
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean −6.991
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

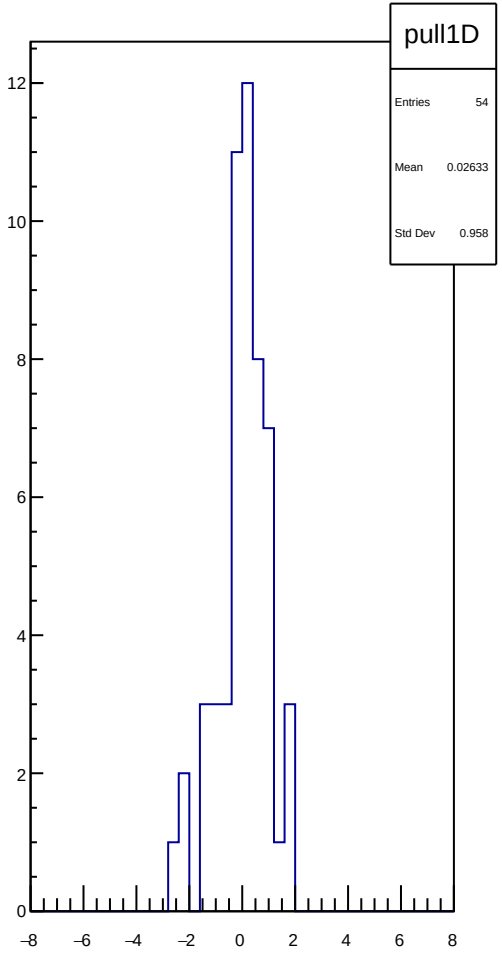

pull1D
Entries 54
Mean −0.02238
Std Dev 0.9039
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

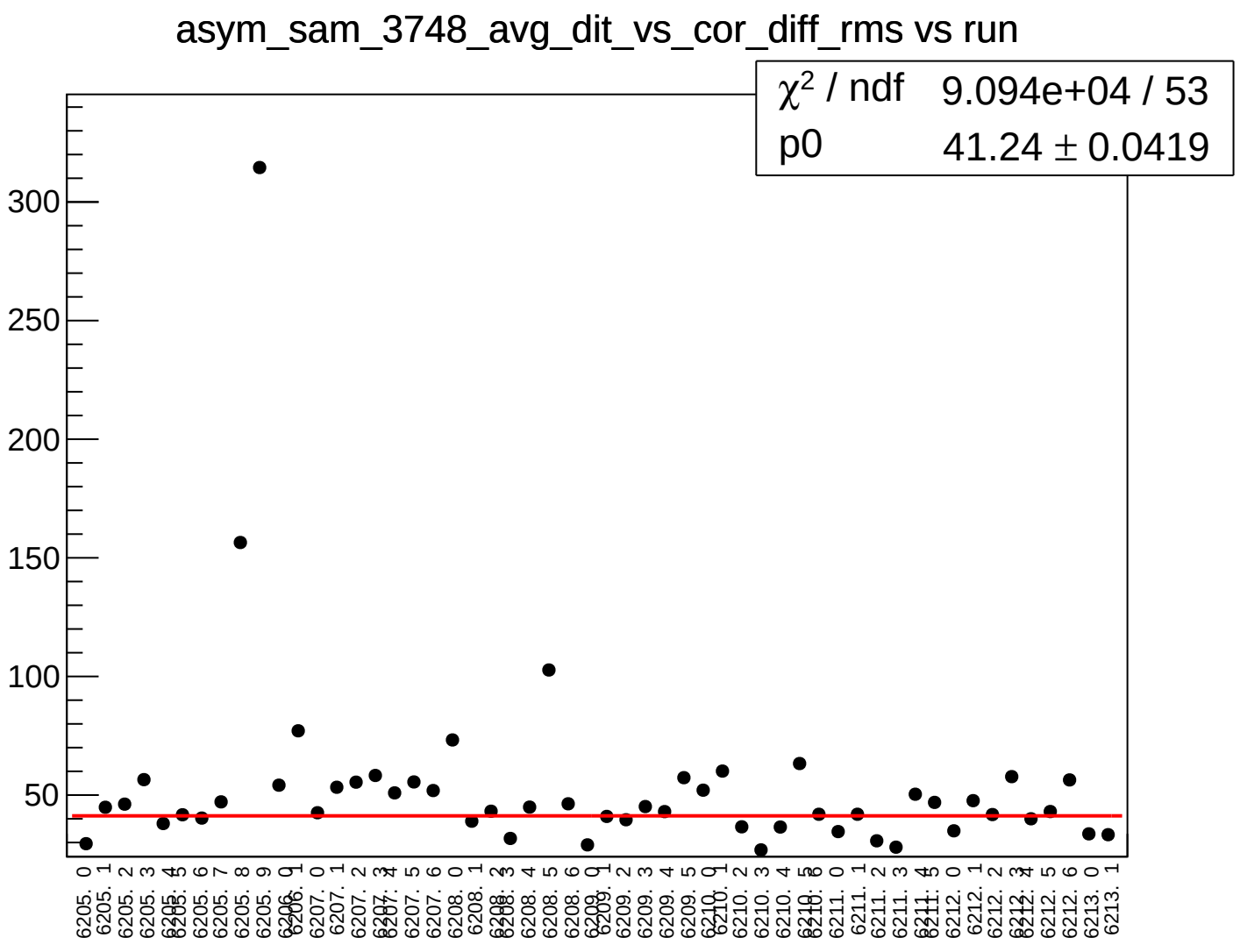

asym_sam_3748_avg_rms vs run
χ² / ndf 5342 / 53
p0 1677 ± 1.633
2000
1900
1800
1700
1600
1500
1400
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6209. 6
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

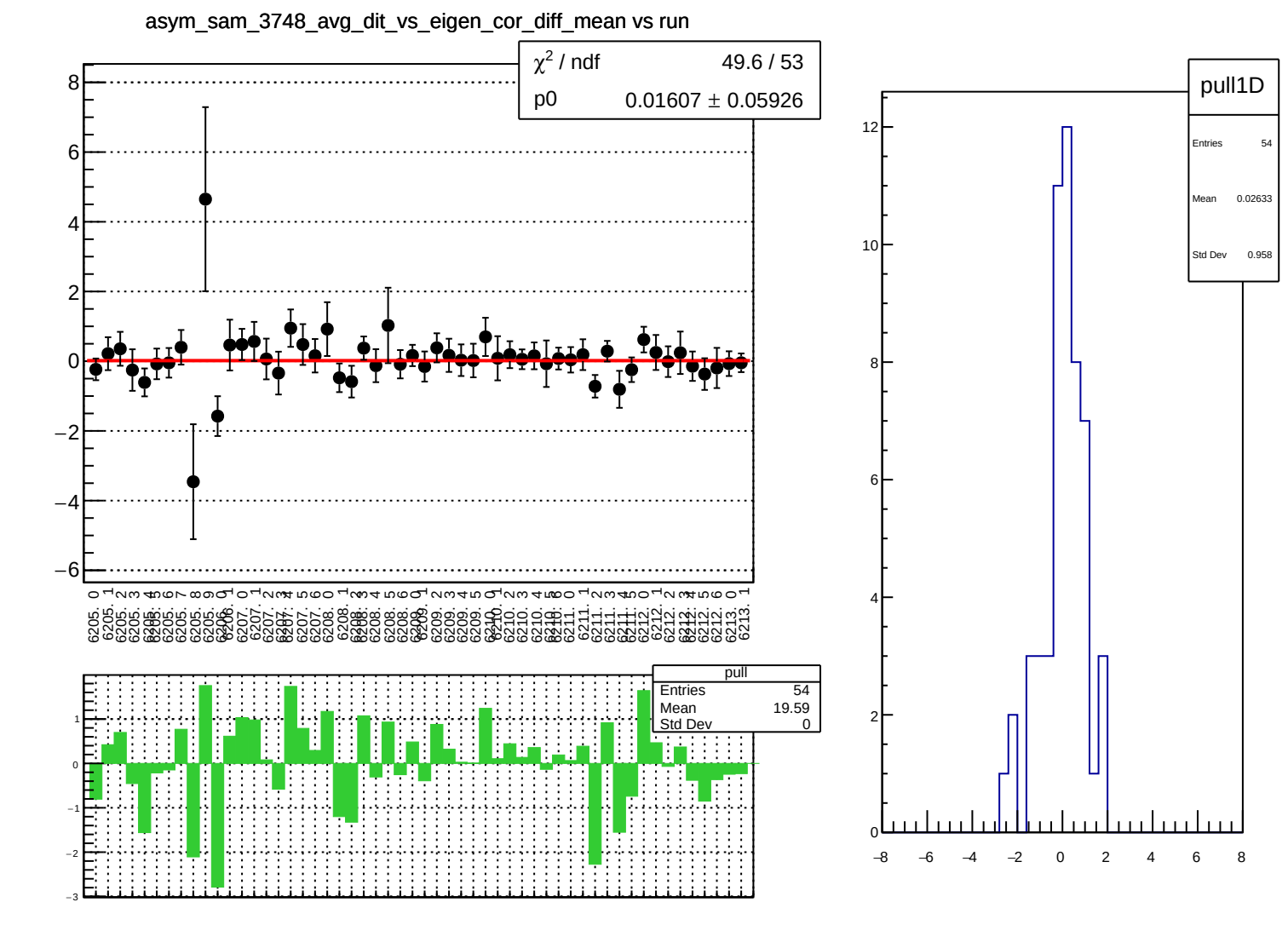

asym_sam_3748_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 49.9 / 53
p0 −2.192e−13 ± 2.222e−13
0.001
0.0005
0
−0.0005
−0.001
pull
Entries 54
Mean 5.331
Std Dev 0
pull1D
Entries 54
Mean −0.1027
Std Dev 0.9558

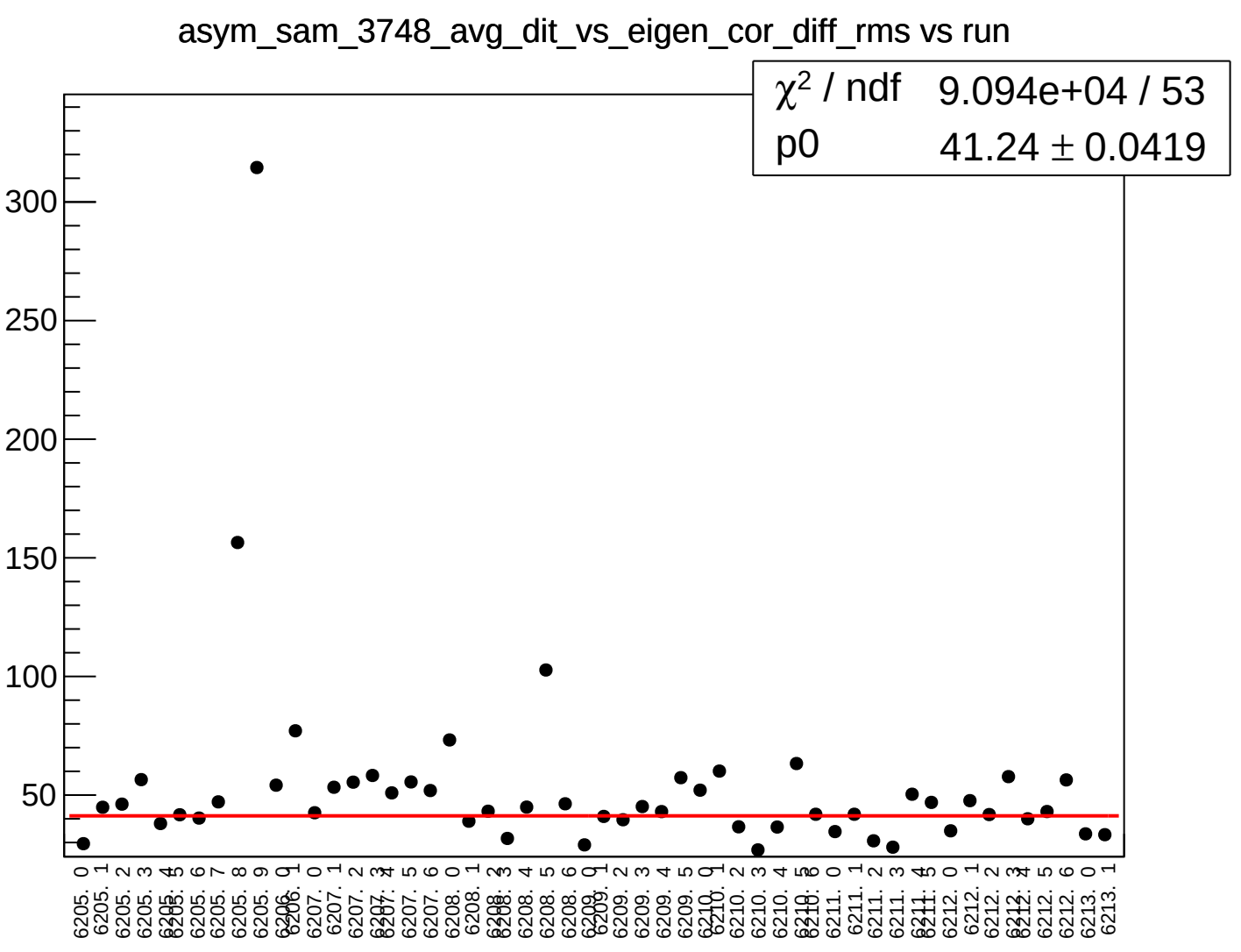

asym_sam_3748_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 5.919e+05 / 53
p0 1.075e−10 ± 1.572e−13
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0

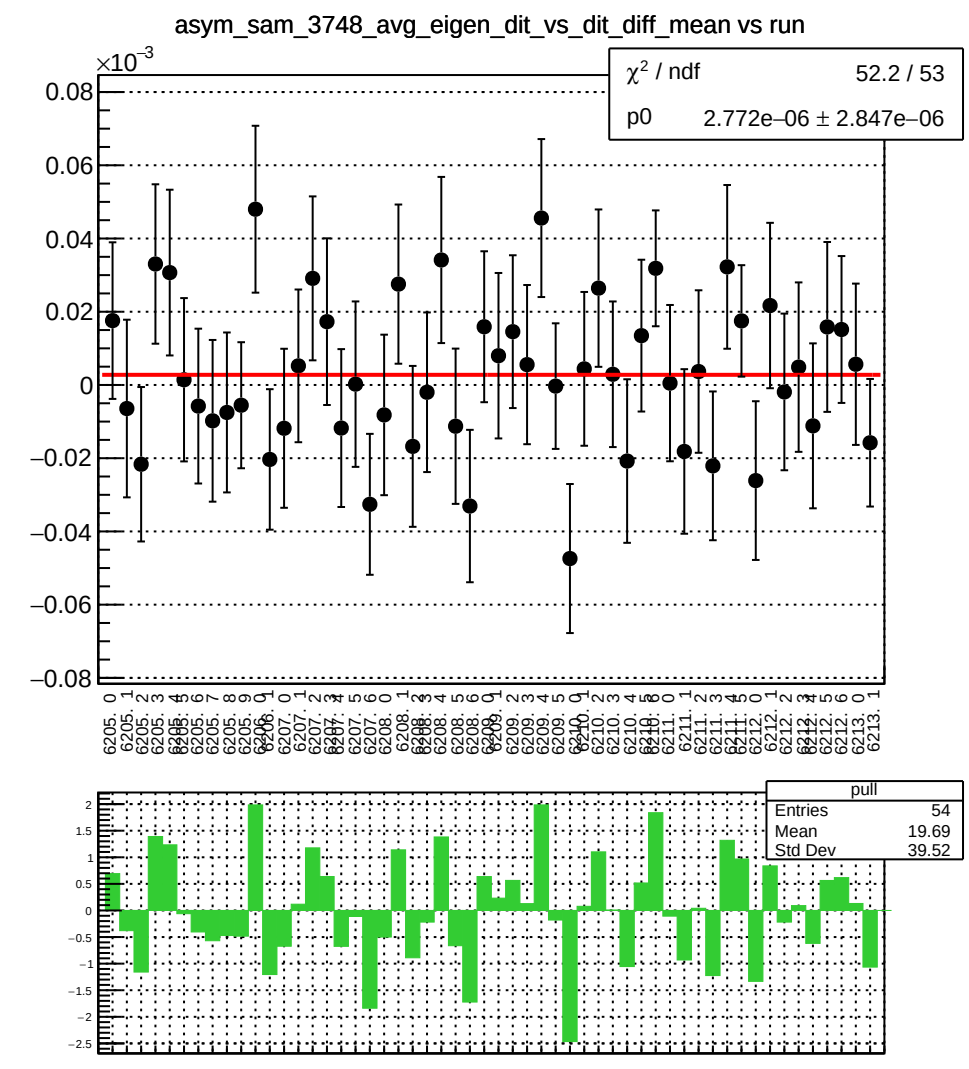

asym_sam_3748_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 49.6 / 53
p0 0.01607 ± 0.05926
pull
Entries 54
Mean 19.59
Std Dev 0

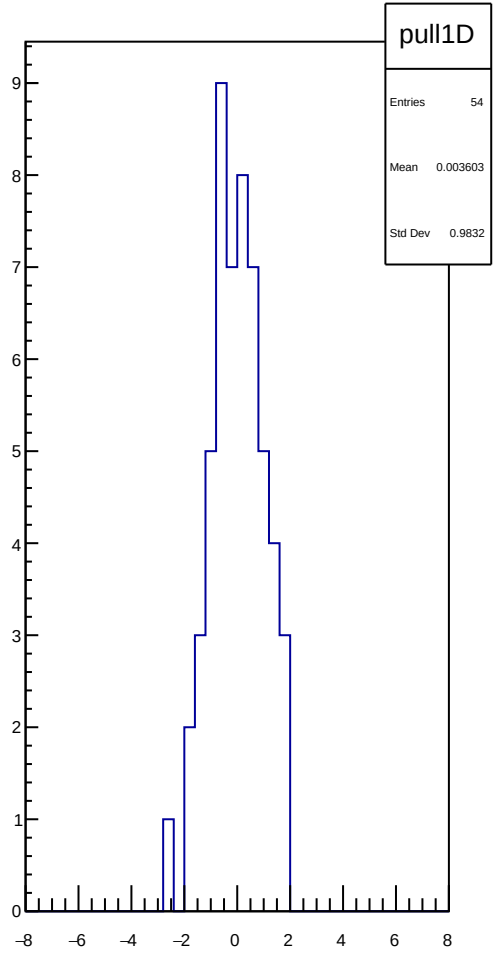

pull1D
Entries 54
Mean 0.02633
Std Dev 0.958

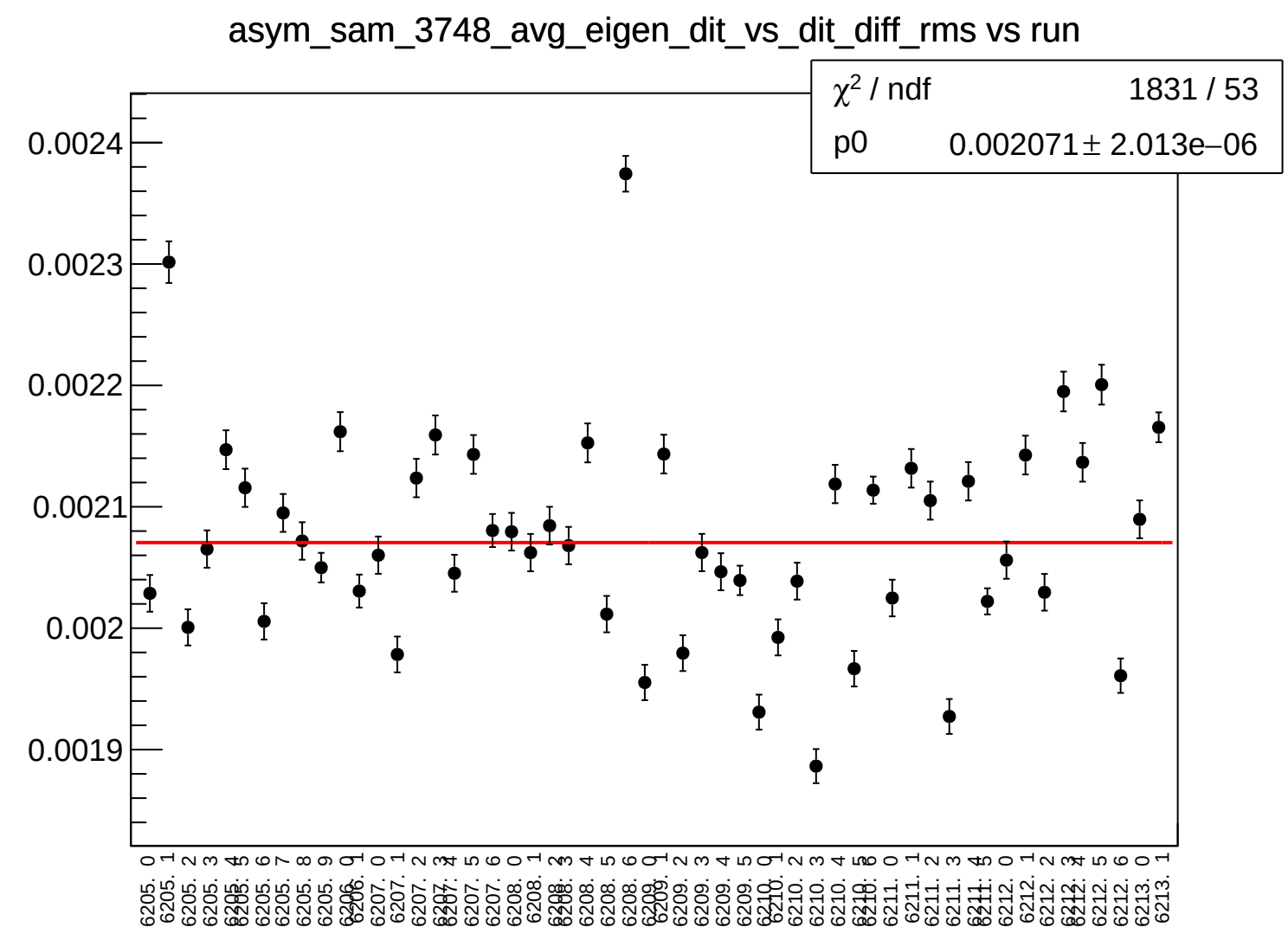

asym_sam_3748_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 9.094e+04 / 53
p0 41.24 ± 0.0419
300
250
200
150
100
50
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

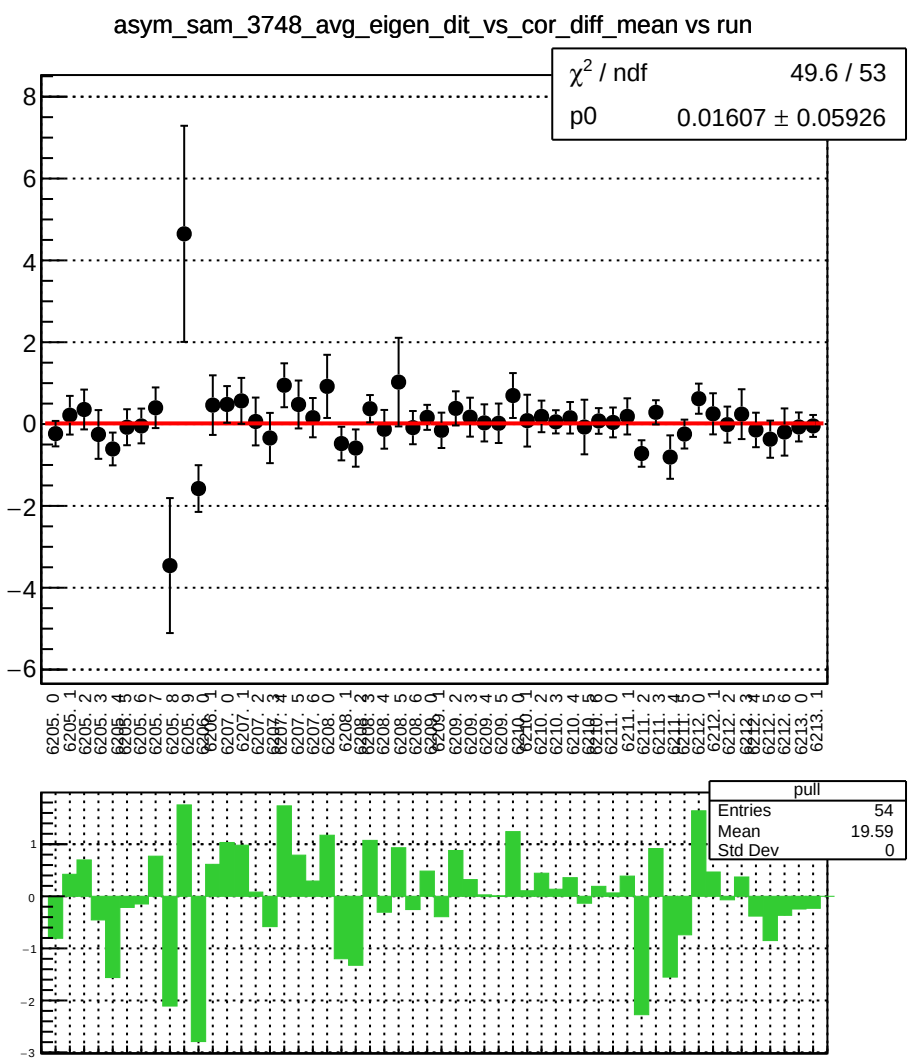

asym_sam_3748_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 49.6 / 53
p0 0.01607 ± 0.05926
pull
Entries 54
Mean 19.59
Std Dev 0
pull1D
Entries 54
Mean 0.02633
Std Dev 0.958

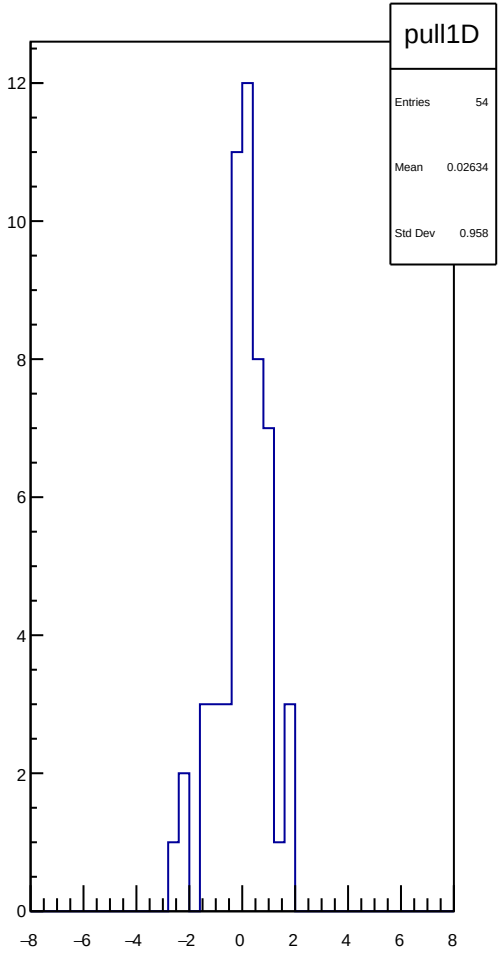

asym_sam_3748_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.094e+04 / 53
p0 41.24 ± 0.0419
300
250
200
150
100
50
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

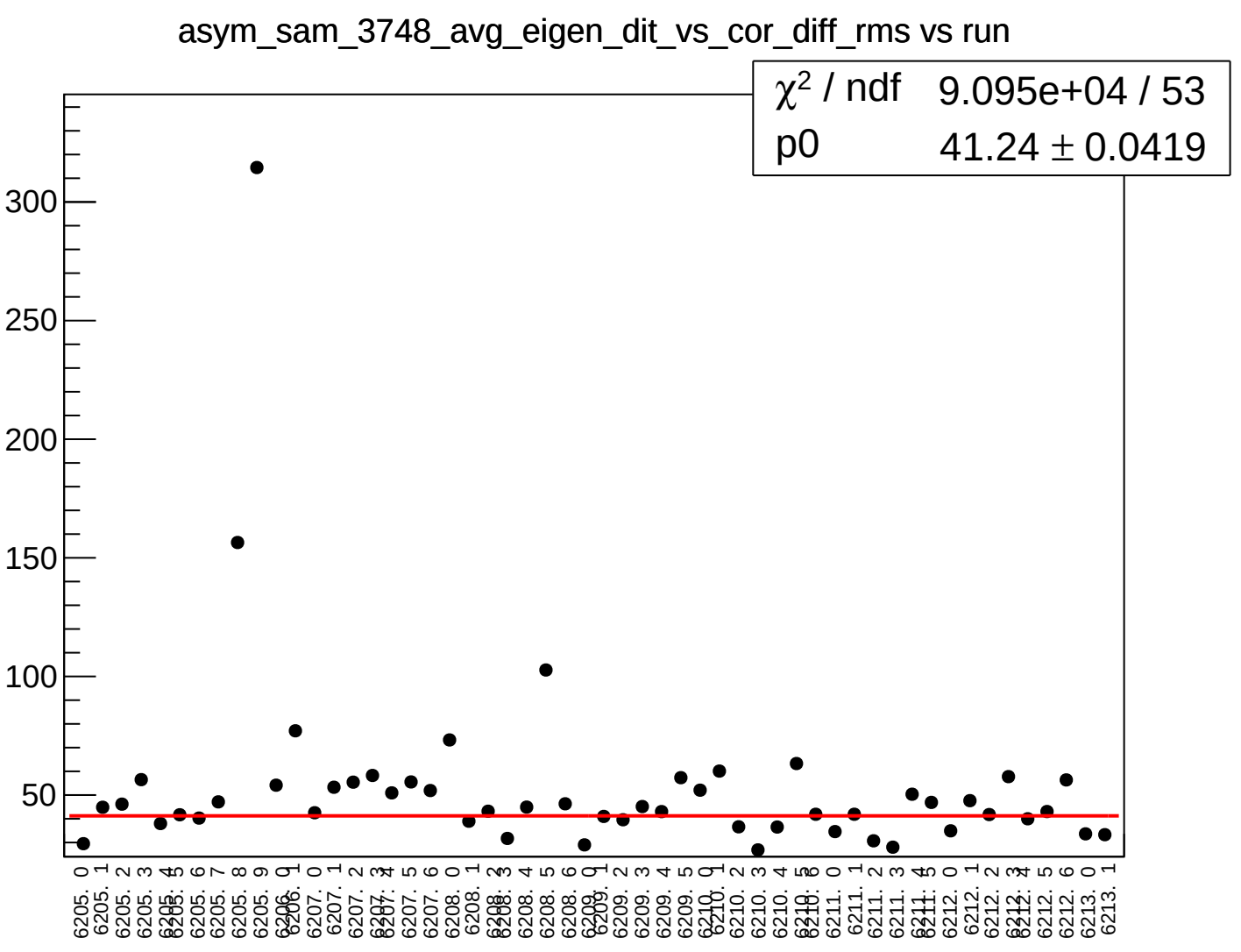

asym_sam_3748_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 52.2 / 53
p0 2.772e−06 ± 2.847e−06
pull
Entries 54
Mean 19.69
Std Dev 39.52

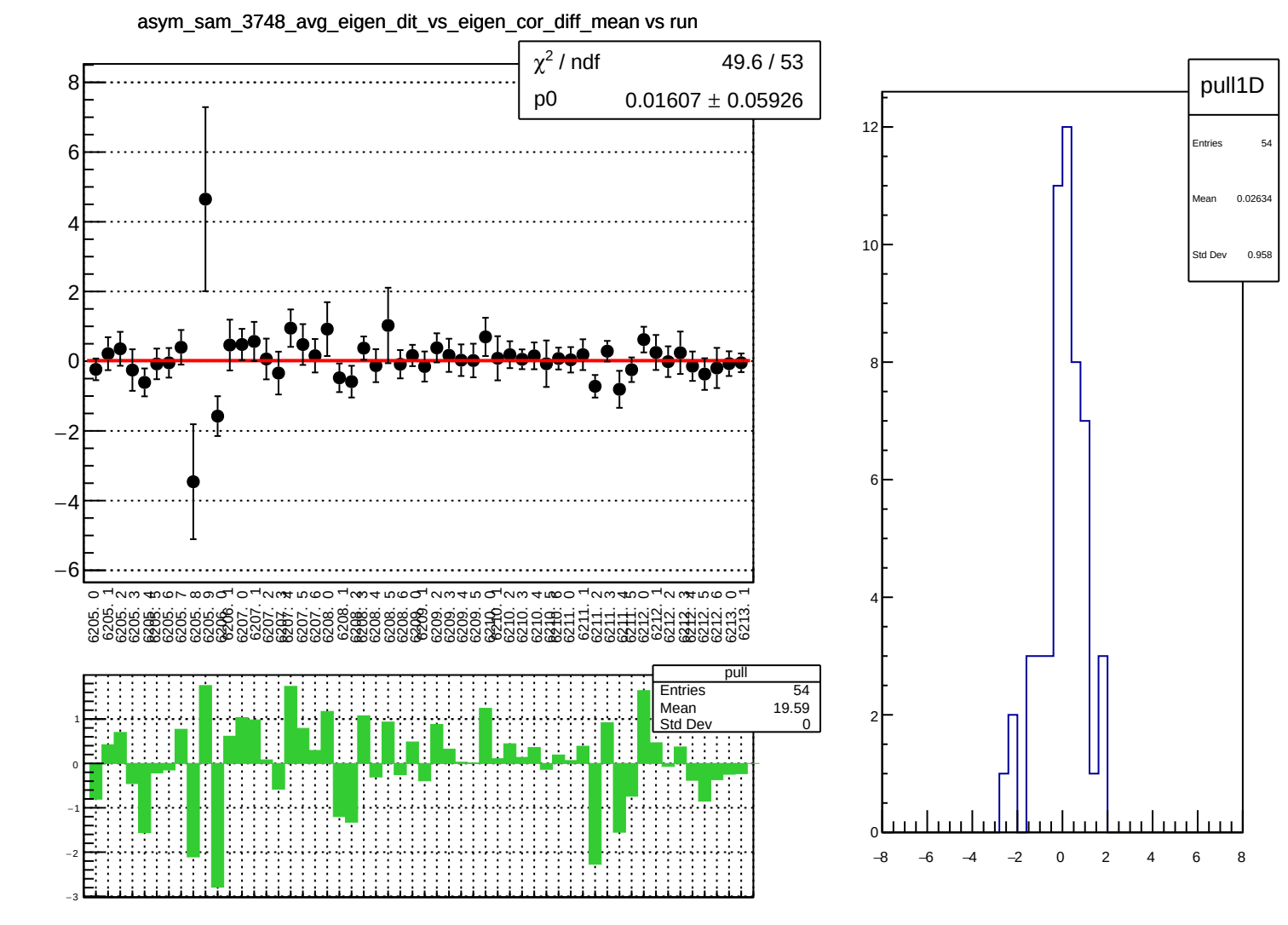

pull1D
Entries 54
Mean 0.003603
Std Dev 0.9832

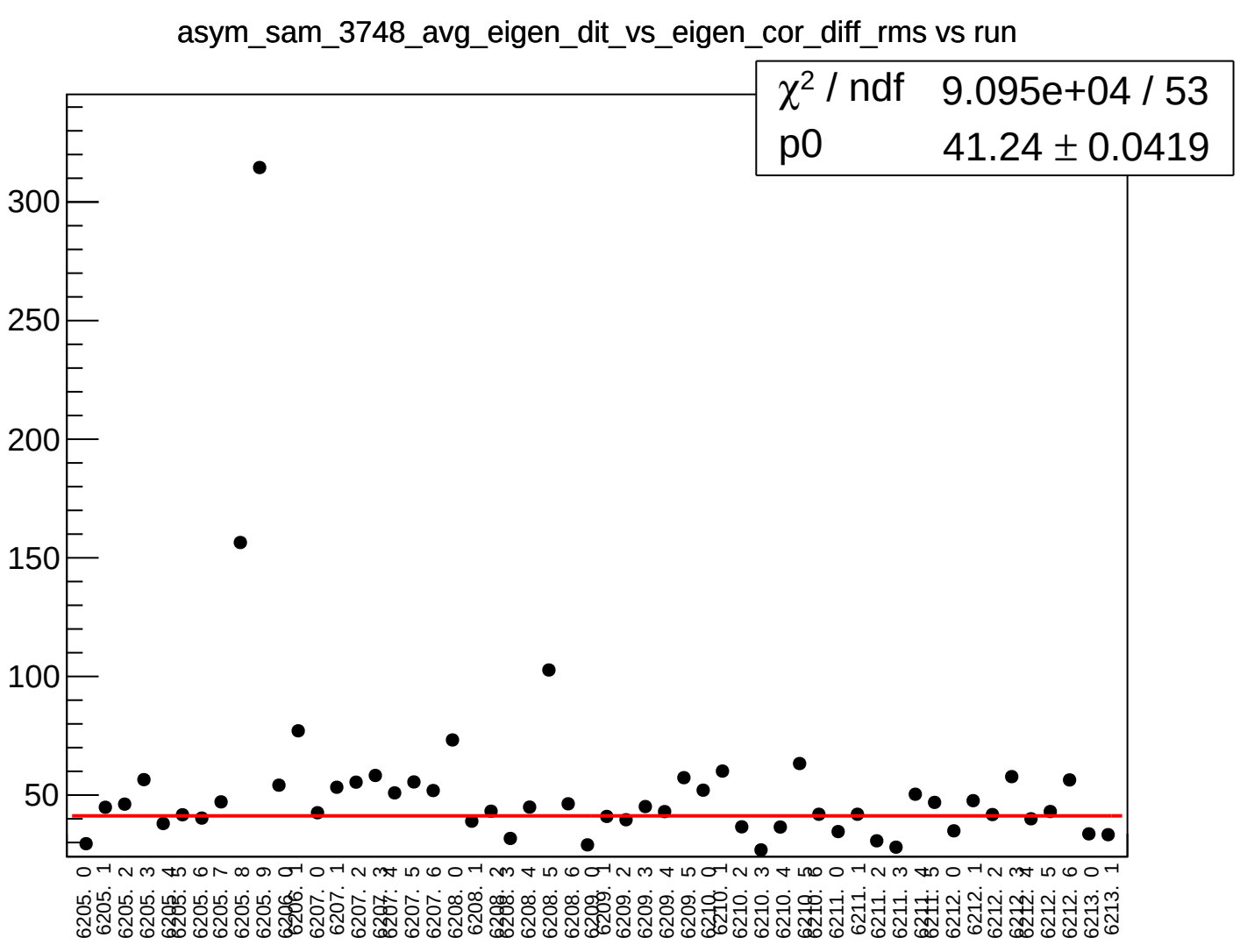

asym_sam_3748_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1831 / 53
p0 0.002071 ± 2.013e−06
0.0024
0.0023
0.0022
0.0021
0.002
0.0019
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

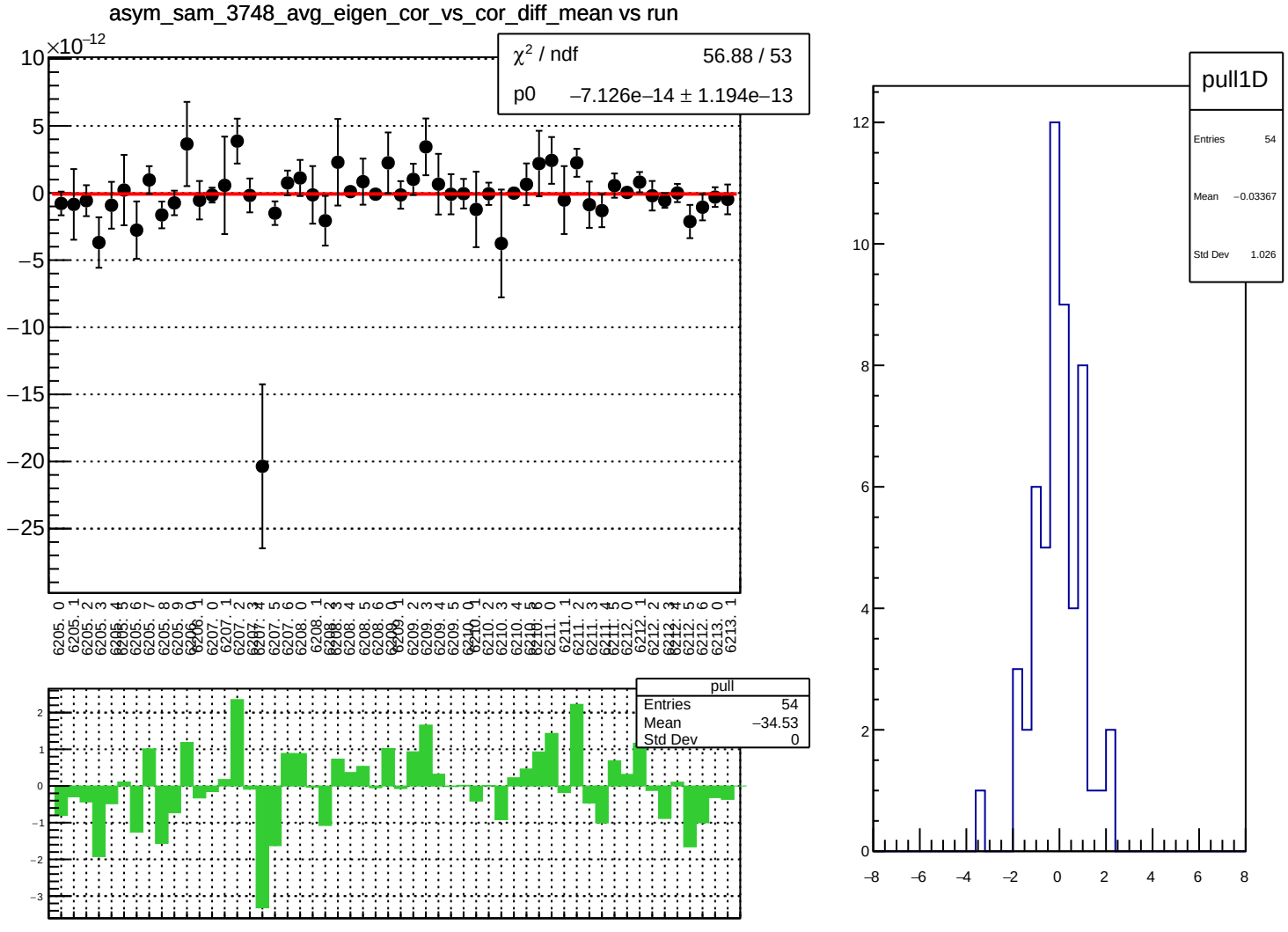

asym_sam_3748_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 49.6 / 53
p0 0.01607 ± 0.05926
pull
Entries 54
Mean 19.59
Std Dev 0

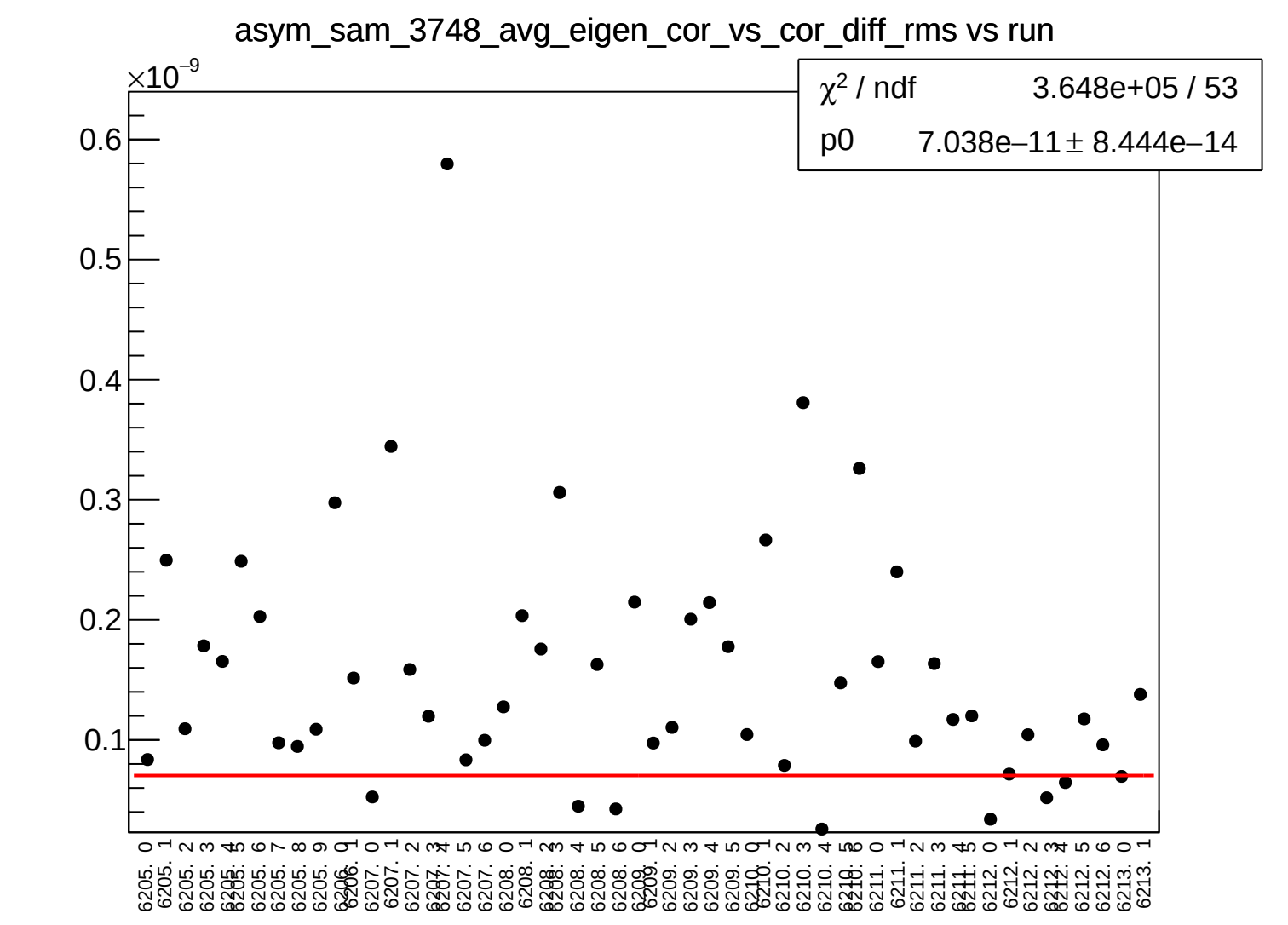

pull1D
Entries 54
Mean 0.02634
Std Dev 0.958

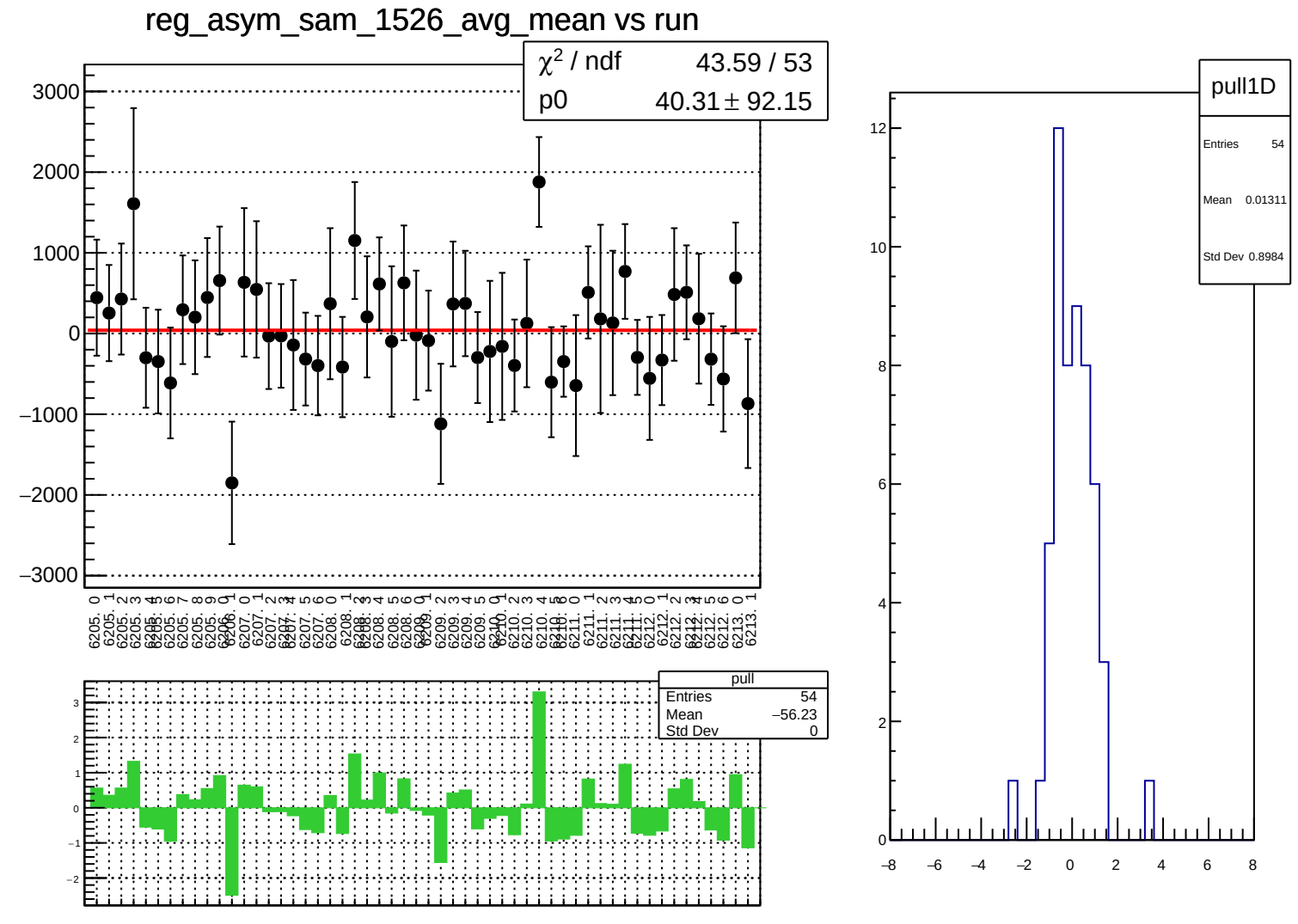

asym_sam_3748_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 9.095e+04 / 53
p0 41.24 ± 0.0419
300
250
200
150
100
50
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

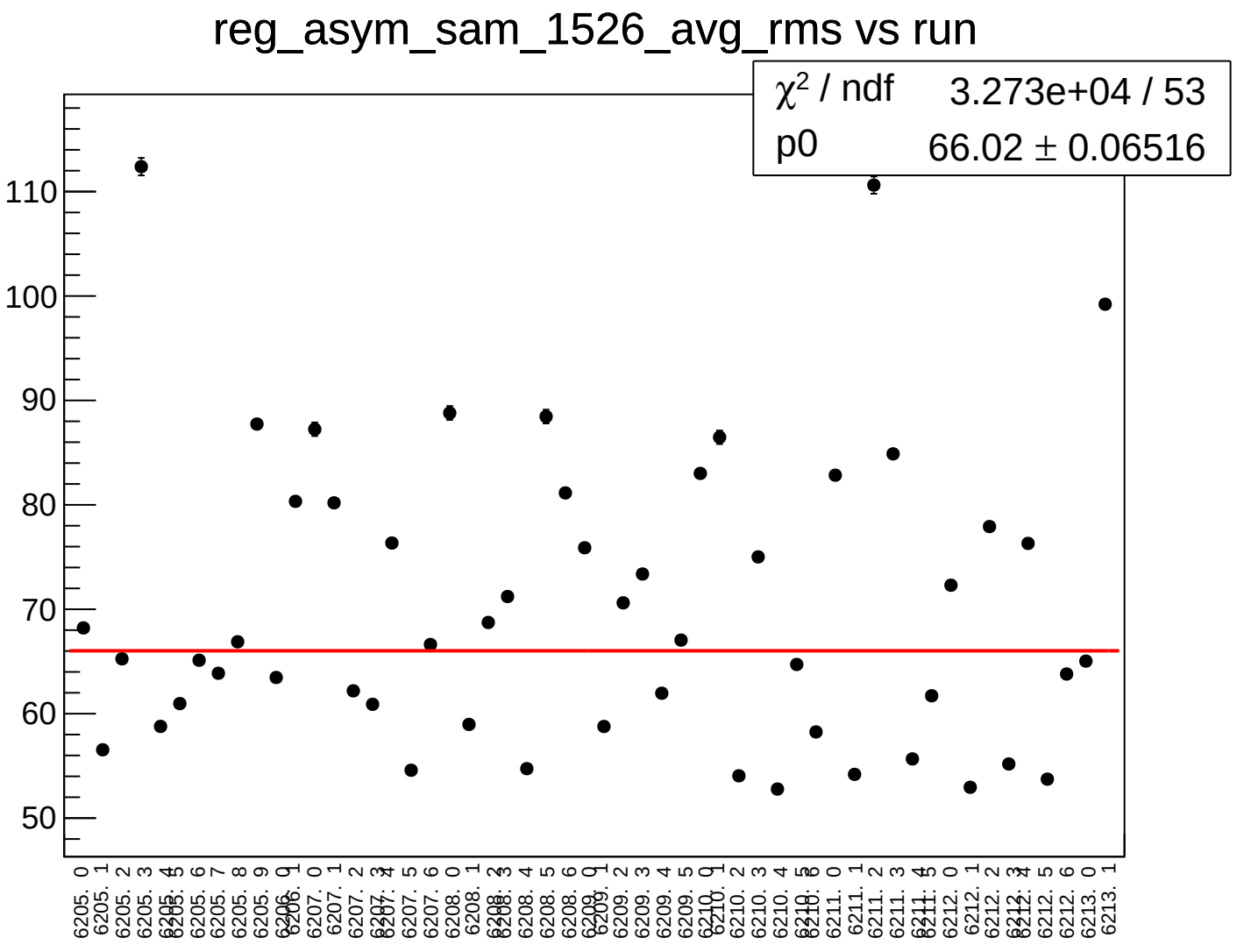

asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 49.6 / 53
p0 0.01607 ± 0.05926
pull
Entries 54
Mean 19.59
Std Dev 0
pull1D
Entries 54
Mean 0.02634
Std Dev 0.958

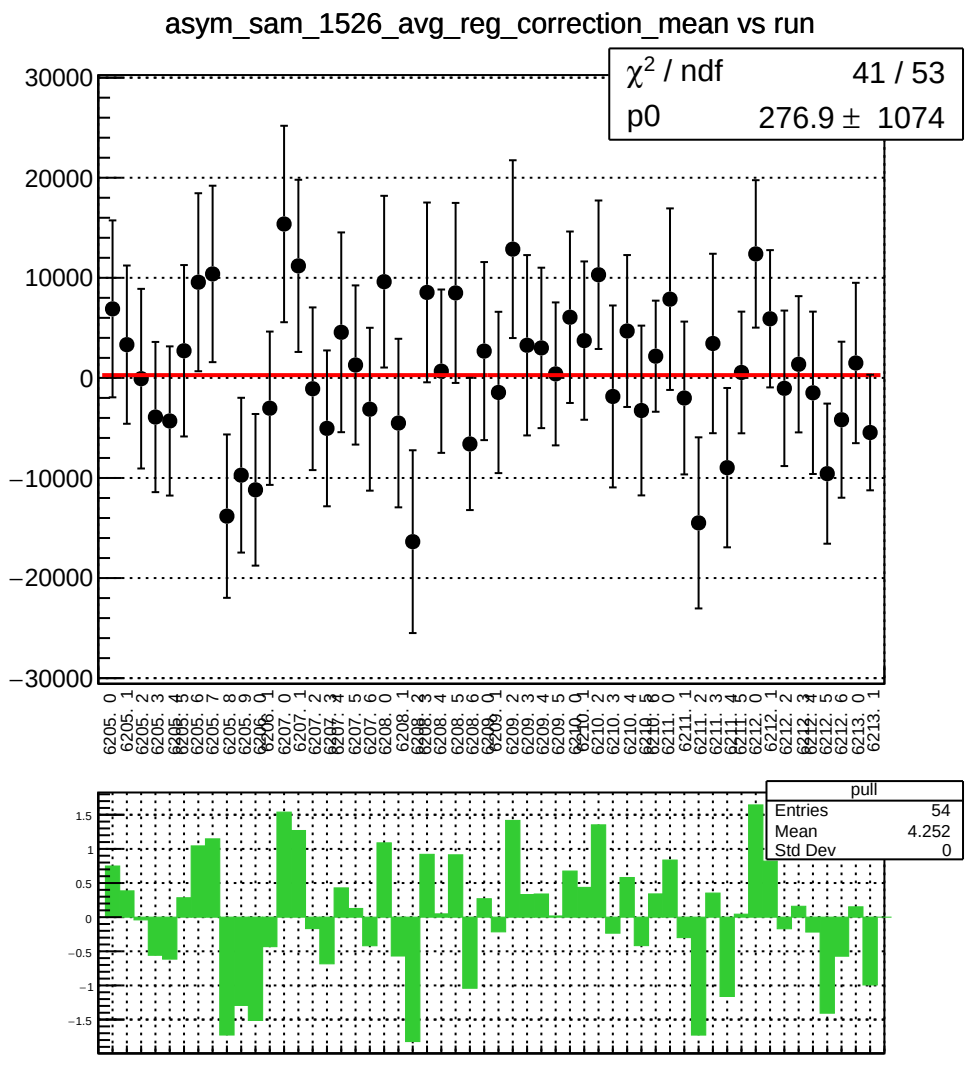

asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.095e+04 / 53
p0 41.24 ± 0.0419
300
250
200
150
100
50
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

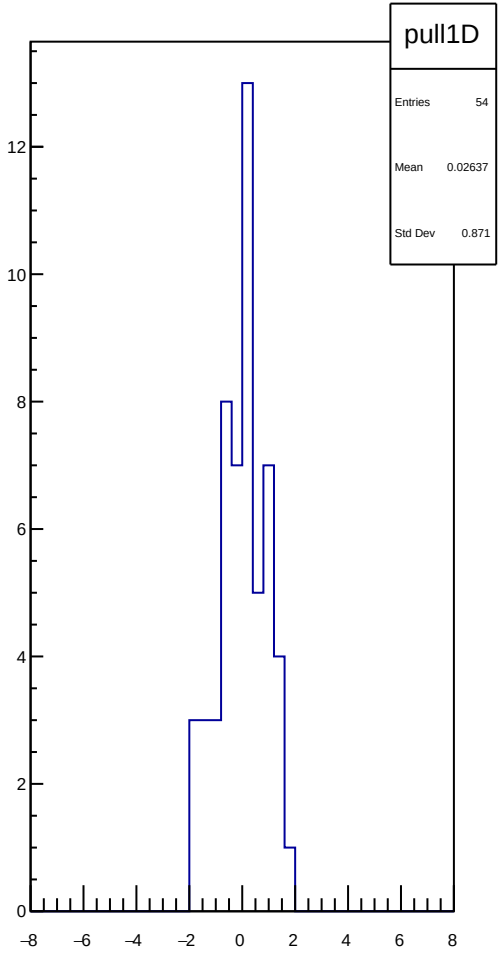

asym_sam_3748_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 56.88 / 53
p0 −7.126e−14 ± 1.194e−13
pull
Entries 54
Mean −34.53
Std Dev 0
pull1D
Entries 54
Mean −0.03367
Std Dev 1.026

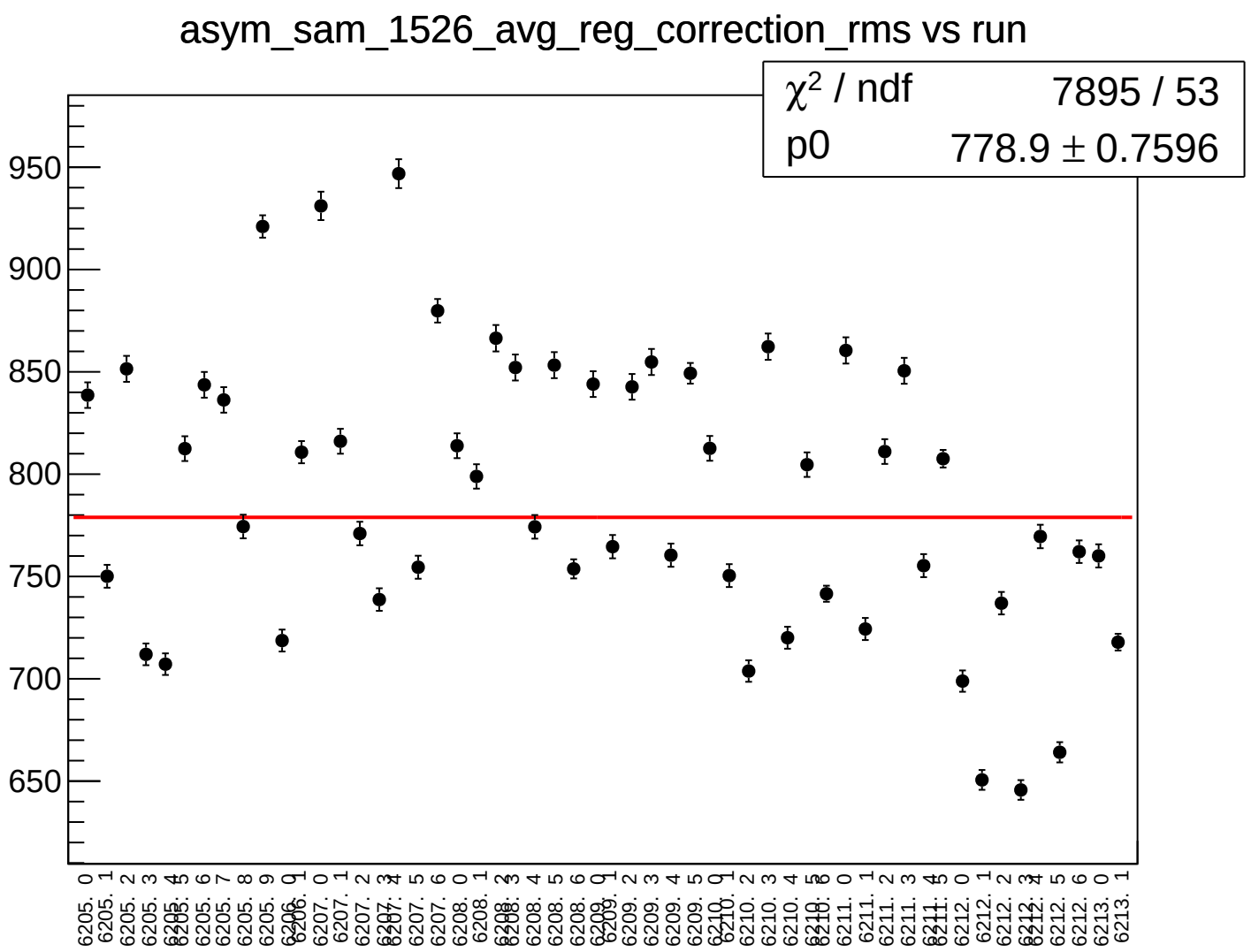

asym_sam_3748_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.648e+05 / 53
p0 7.038e−11 ± 8.444e−14
0.6
0.5
0.4
0.3
0.2
0.1
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

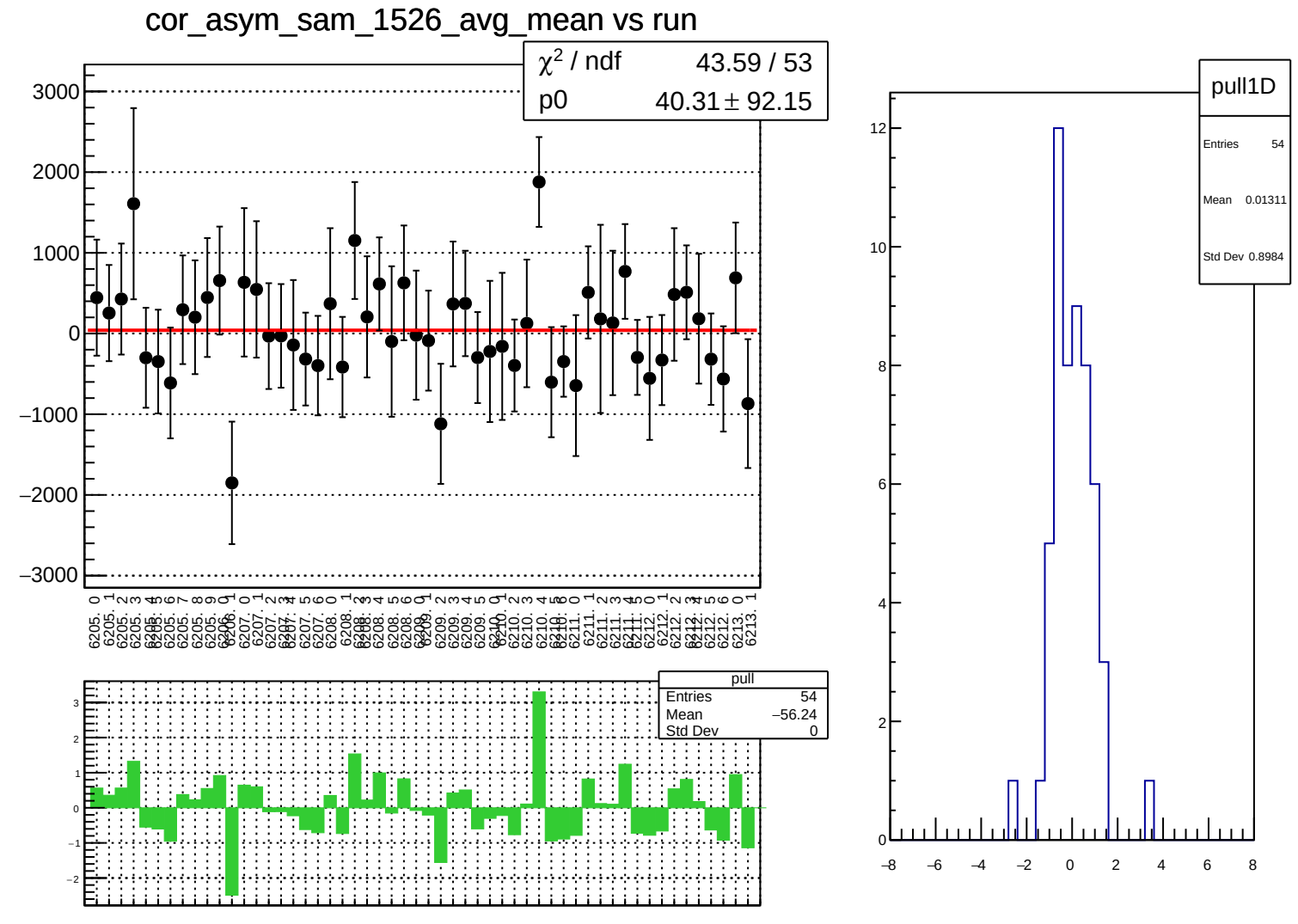

reg_asym_sam_1526_avg_mean vs run
χ² / ndf 43.59 / 53
p0 40.31 ± 92.15
pull
Entries 54
Mean −56.23
Std Dev 0
pull1D
Entries 54
Mean 0.01311
Std Dev 0.8984

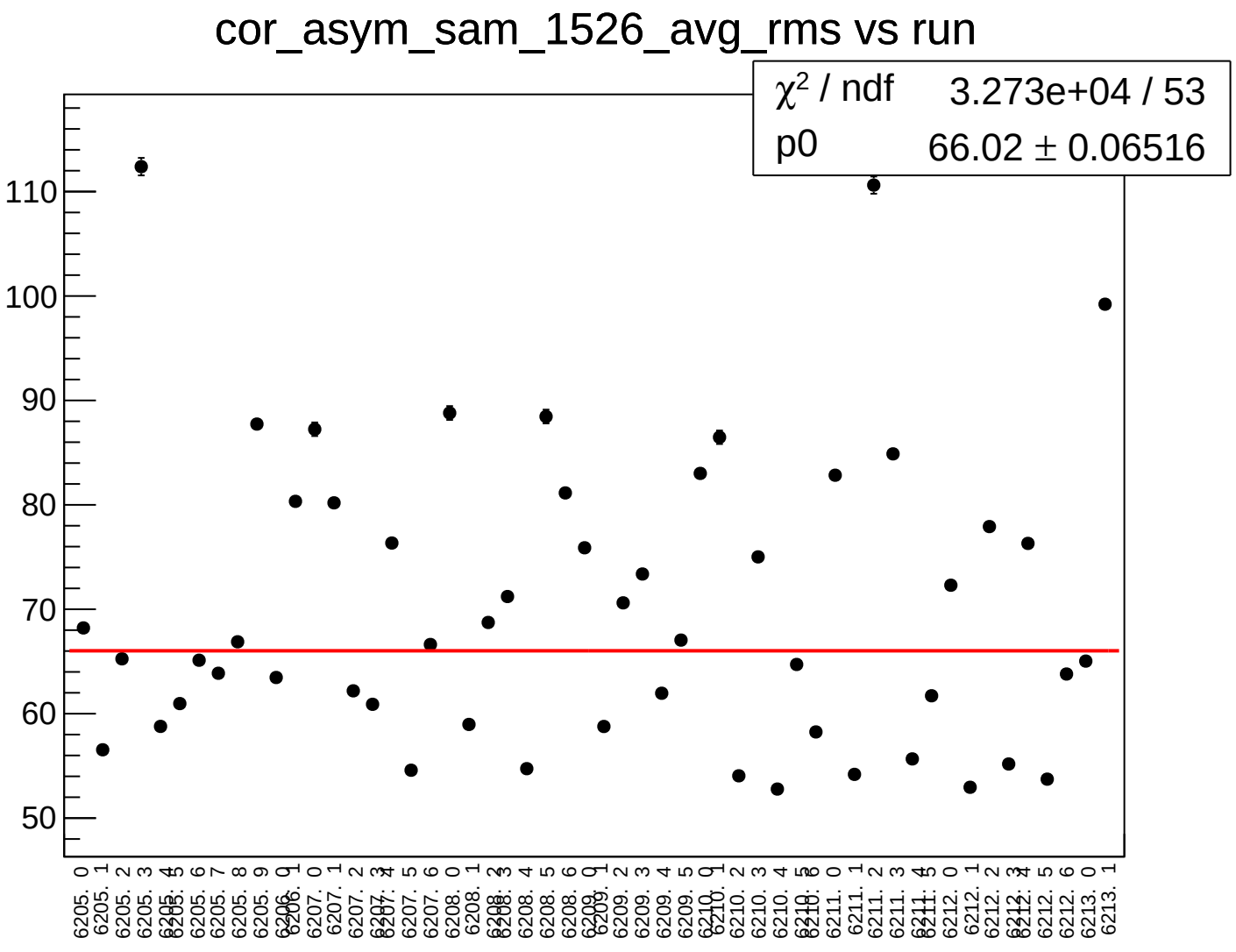

reg_asym_sam_1526_avg_rms vs run
χ² / ndf 3.273e+04 / 53
p0 66.02 ± 0.06516
110
100
90
80
70
60
50
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

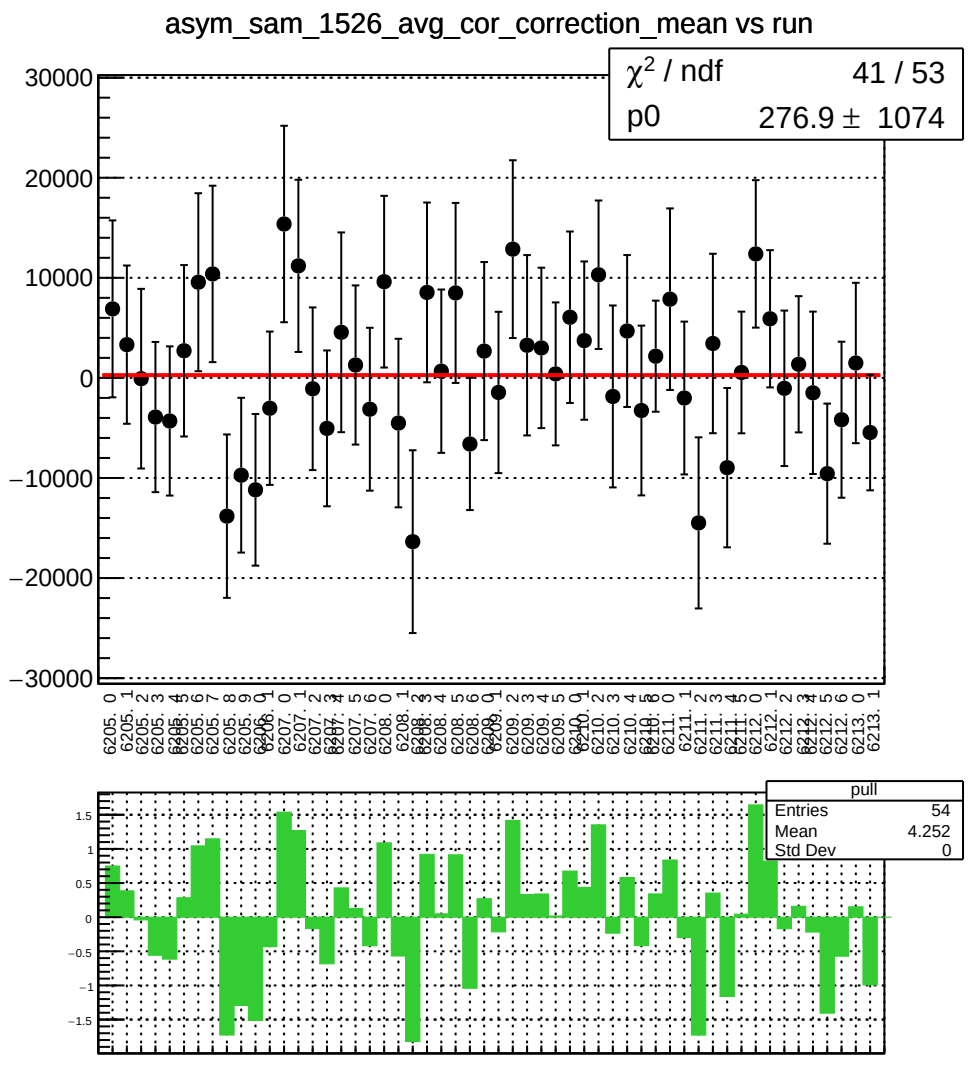

asym_sam_1526_avg_reg_correction_mean vs run
χ² / ndf 41 / 53
p0 276.9 ± 1074
pull
Entries 54
Mean 4.252
Std Dev 0

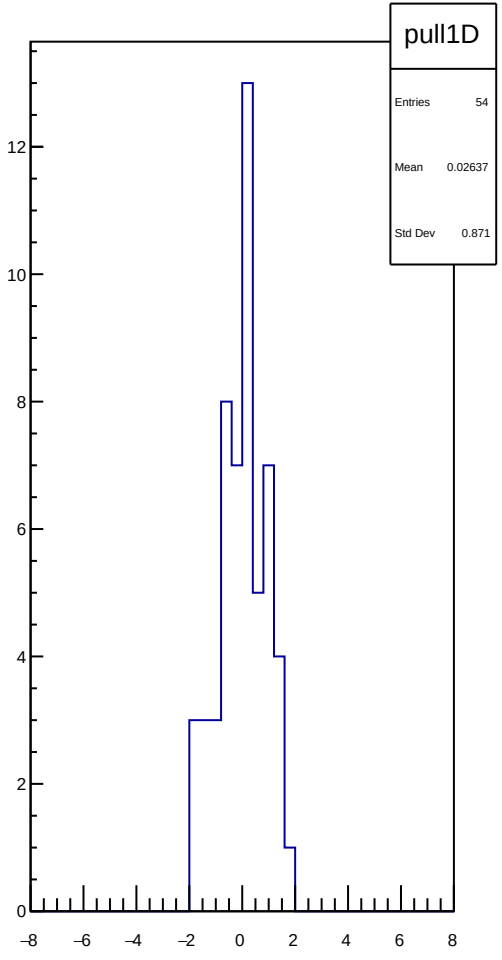

pull1D
Entries 54
Mean 0.02637
Std Dev 0.871

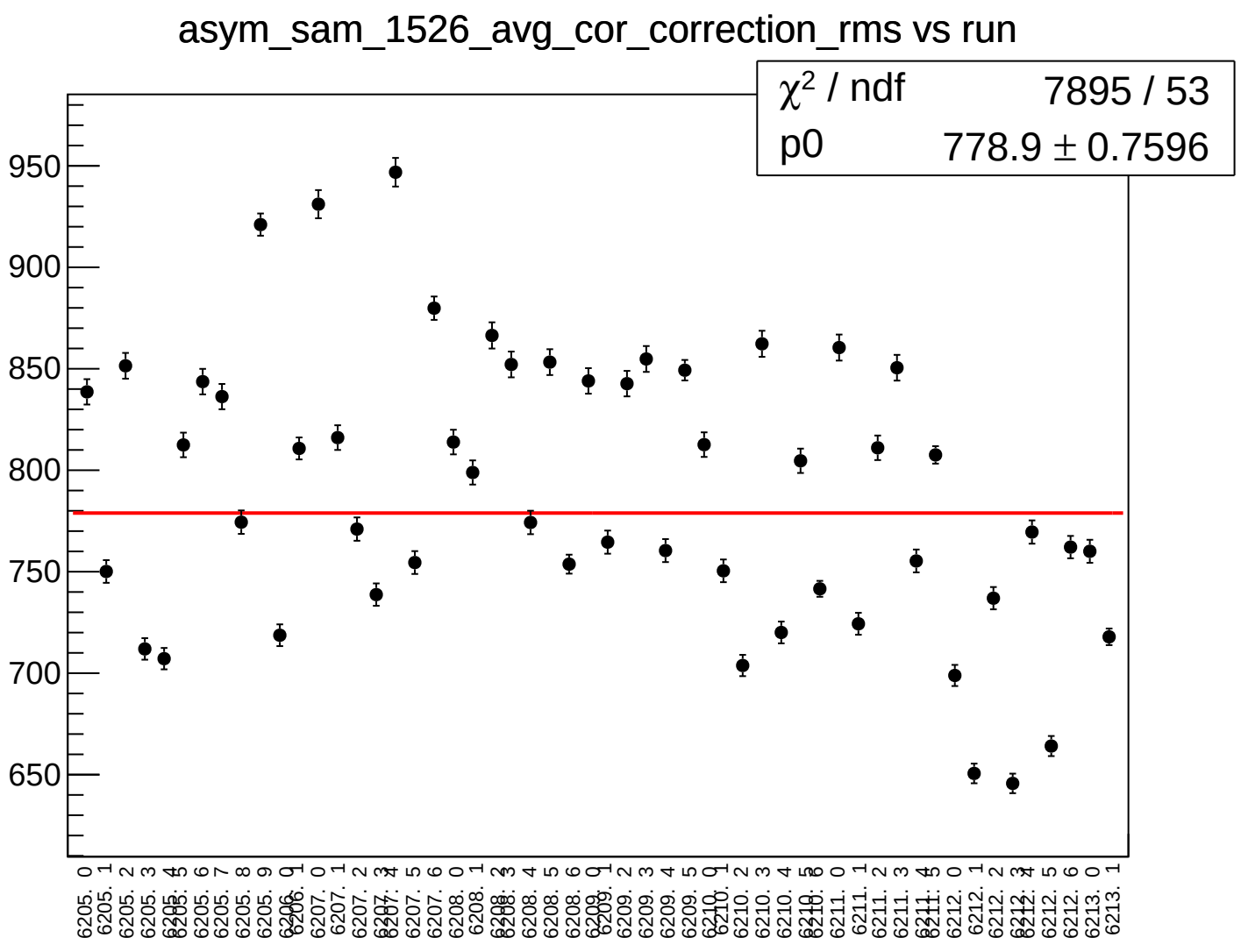

asym_sam_1526_avg_reg_correction_rms vs run
χ² / ndf 7895 / 53
p0 778.9 ± 0.7596
950
900
850
800
750
700
650

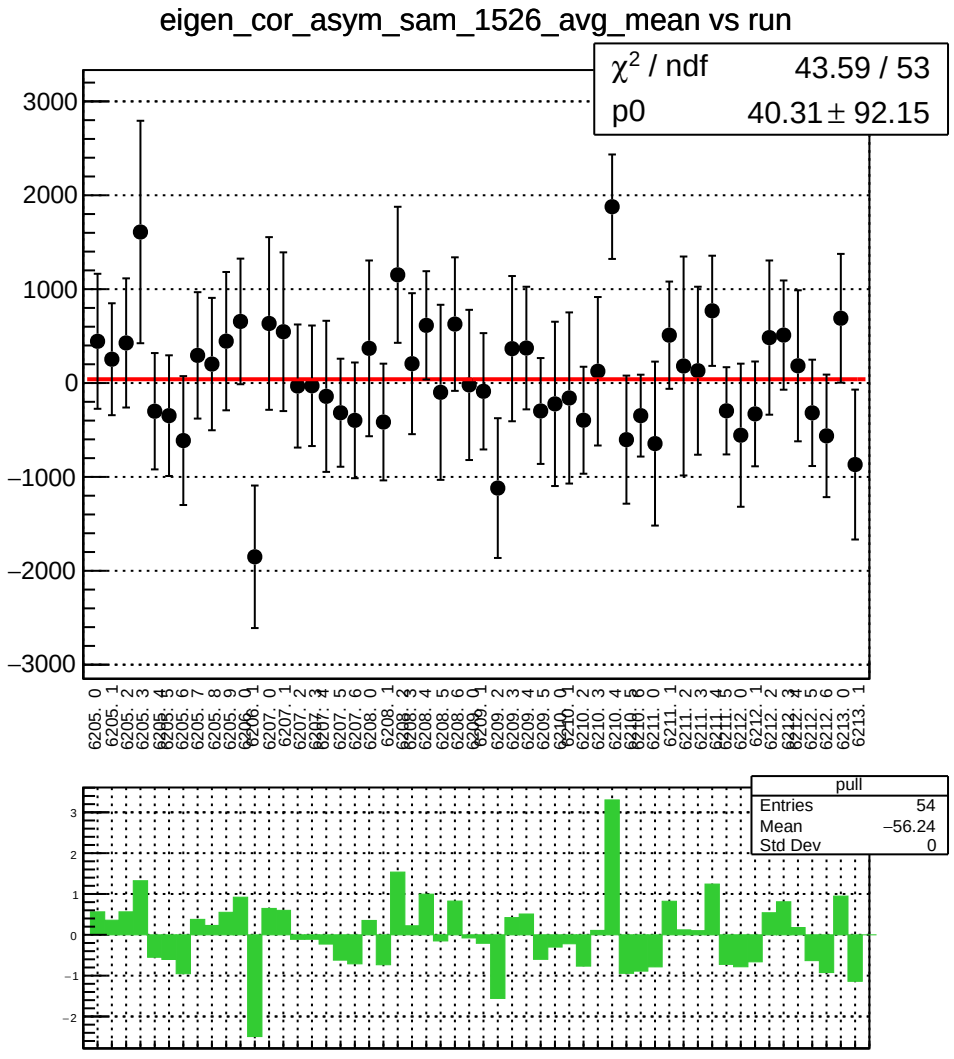

cor_asym_sam_1526_avg_mean vs run
χ² / ndf 43.59 / 53
p0 40.31 ± 92.15
pull
Entries 54
Mean −56.24
Std Dev 0
pull1D
Entries 54
Mean 0.01311
Std Dev 0.8984

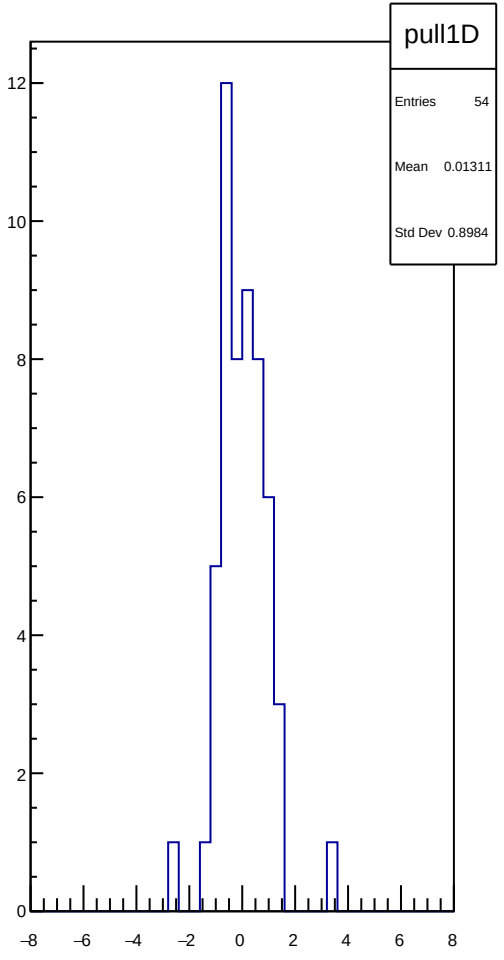

cor_asym_sam_1526_avg_rms vs run
χ² / ndf 3.273e+04 / 53
p0 66.02 ± 0.06516
110
100
90
80
70
60
50
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

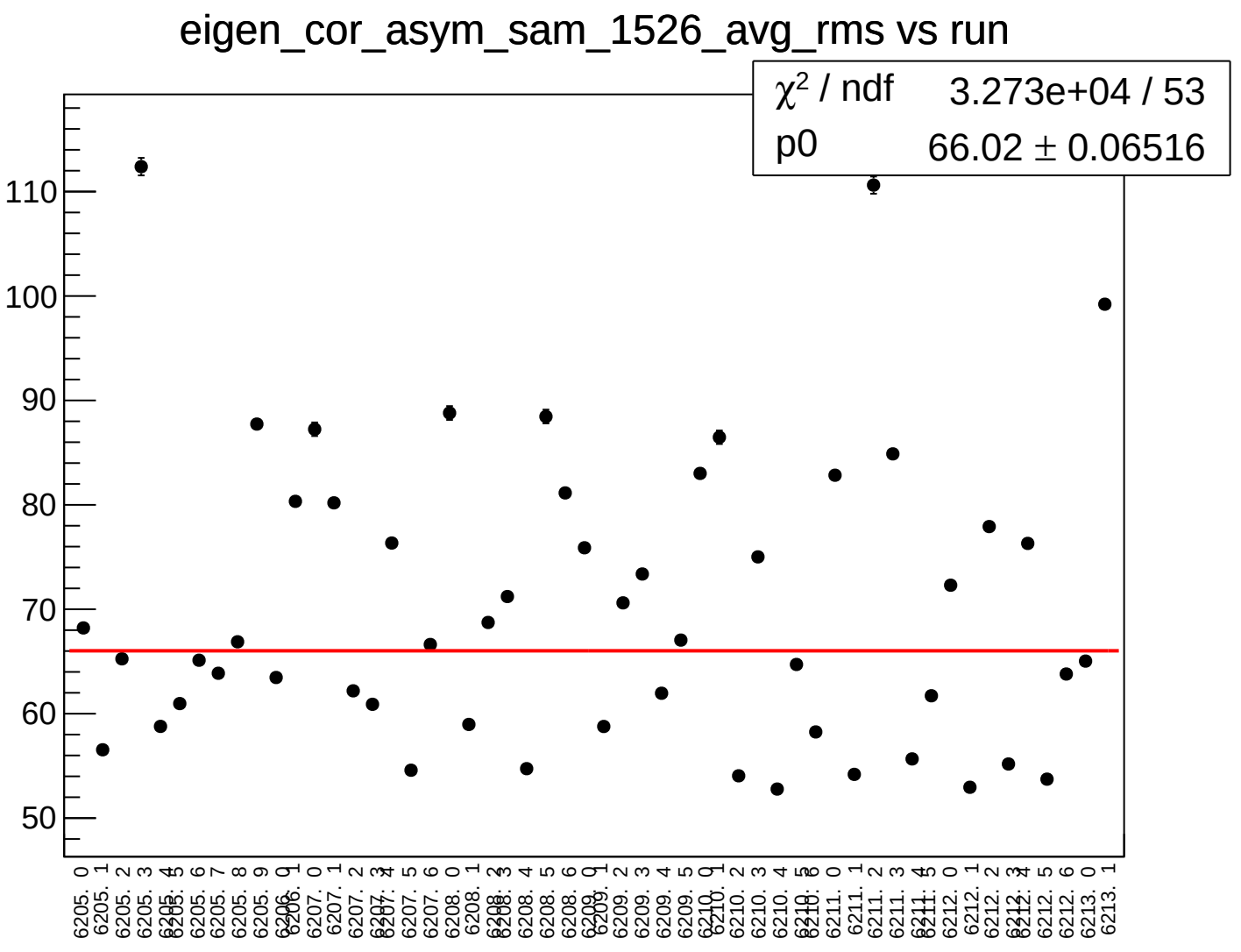

asym_sam_1526_avg_cor_correction_mean vs run
χ² / ndf 41 / 53
p0 276.9 ± 1074
pull
Entries 54
Mean 4.252
Std Dev 0


pull1D
Entries 54
Mean 0.02637
Std Dev 0.871


asym_sam_1526_avg_cor_correction_rms vs run
χ² / ndf 7895 / 53
p0 778.9 ± 0.7596
950
900
850
800
750
700
650


eigen_cor_asym_sam_1526_avg_mean vs run
χ² / ndf 43.59 / 53
p0 40.31 ± 92.15
pull
Entries 54
Mean −56.24
Std Dev 0


pull1D
Entries 54
Mean 0.01311
Std Dev 0.8984


eigen_cor_asym_sam_1526_avg_rms vs run
χ^2 / ndf 3.273e+04 / 53
p0 66.02 ± 0.06516
110
100
90
80
70
60
50
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 1
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
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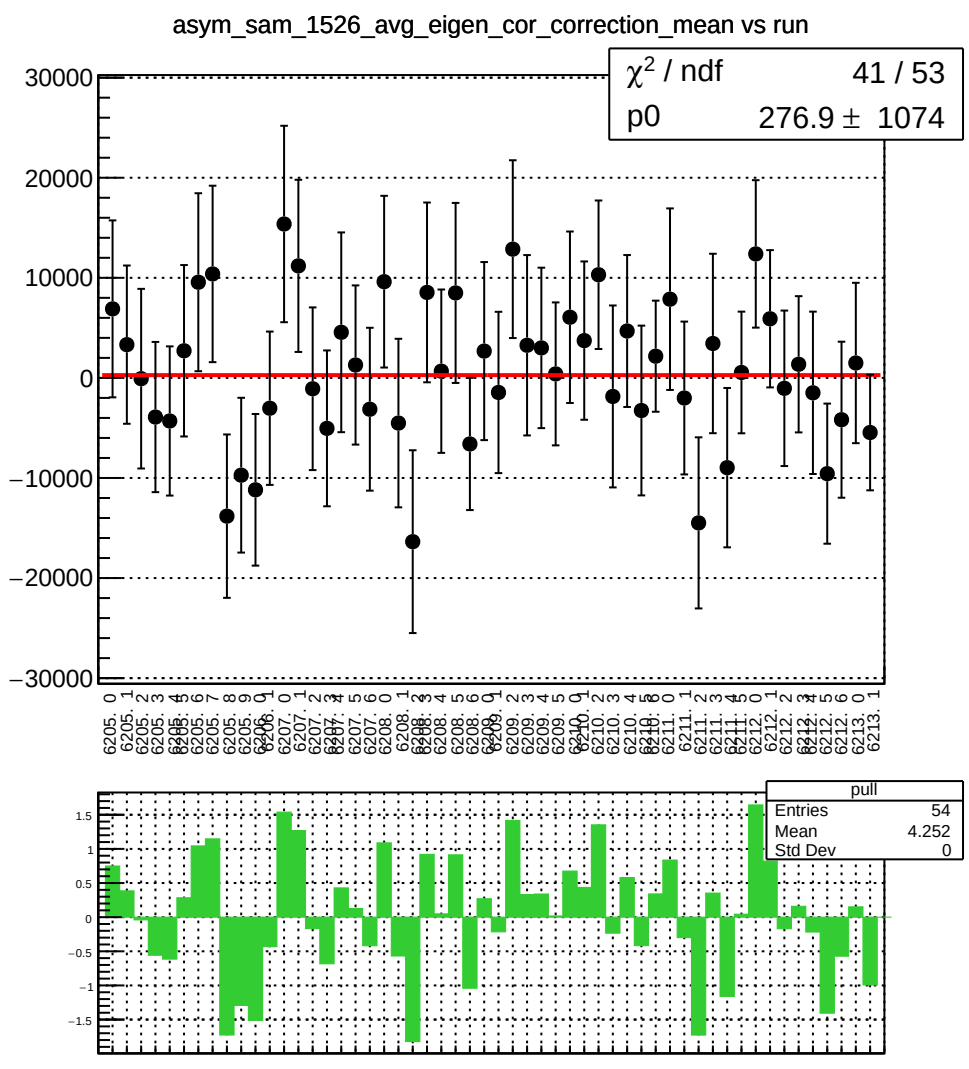
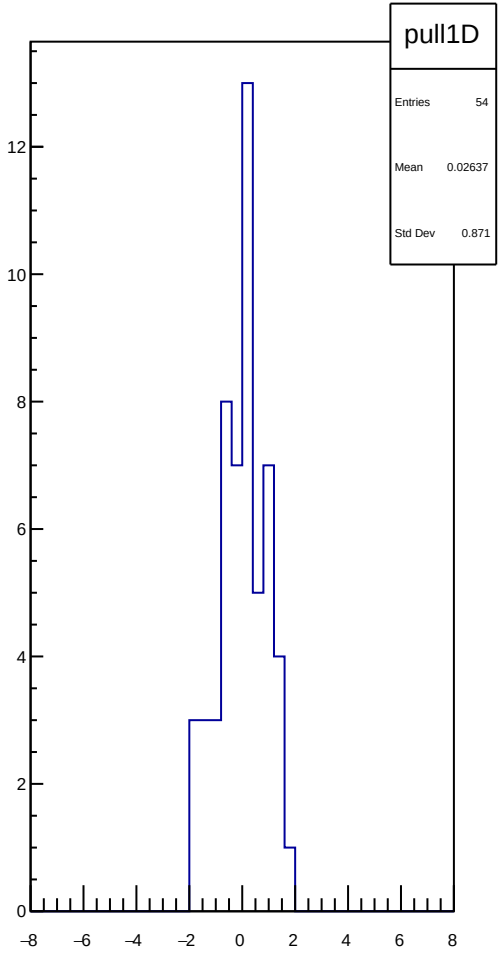
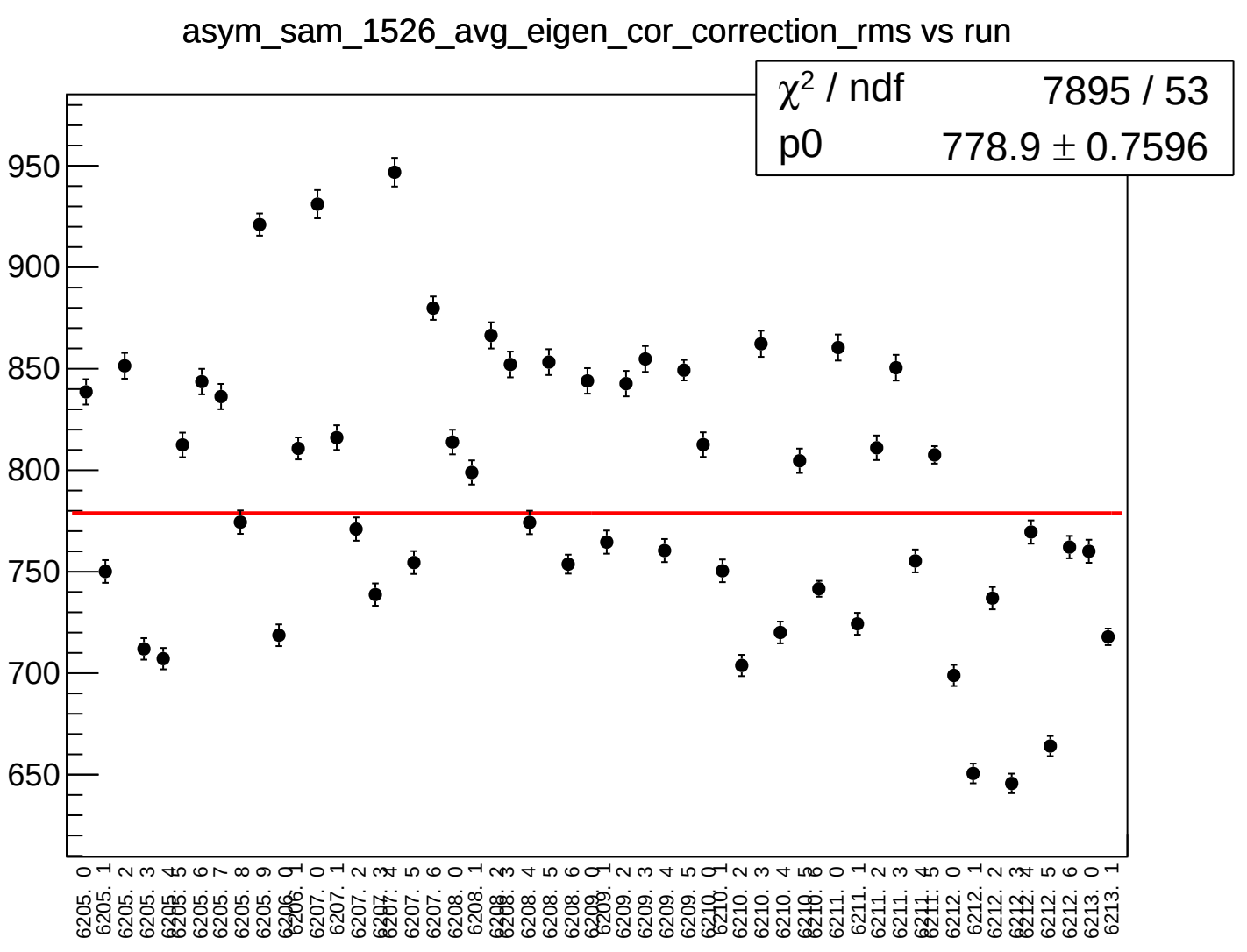
6212. 6
6213. 0
6213. 1


asym_sam_1526_avg_eigen_cor_correction_mean vs run
χ² / ndf 41 / 53
p0 276.9 ± 1074
pull
Entries 54
Mean 4.252
Std Dev 0


pull1D
Entries 54
Mean 0.02637
Std Dev 0.871


asym_sam_1526_avg_eigen_cor_correction_rms vs run
χ² / ndf 7895 / 53
p0 778.9 ± 0.7596
950
900
850
800
750
700
650
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
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6212. 2
6212. 3
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6212. 5
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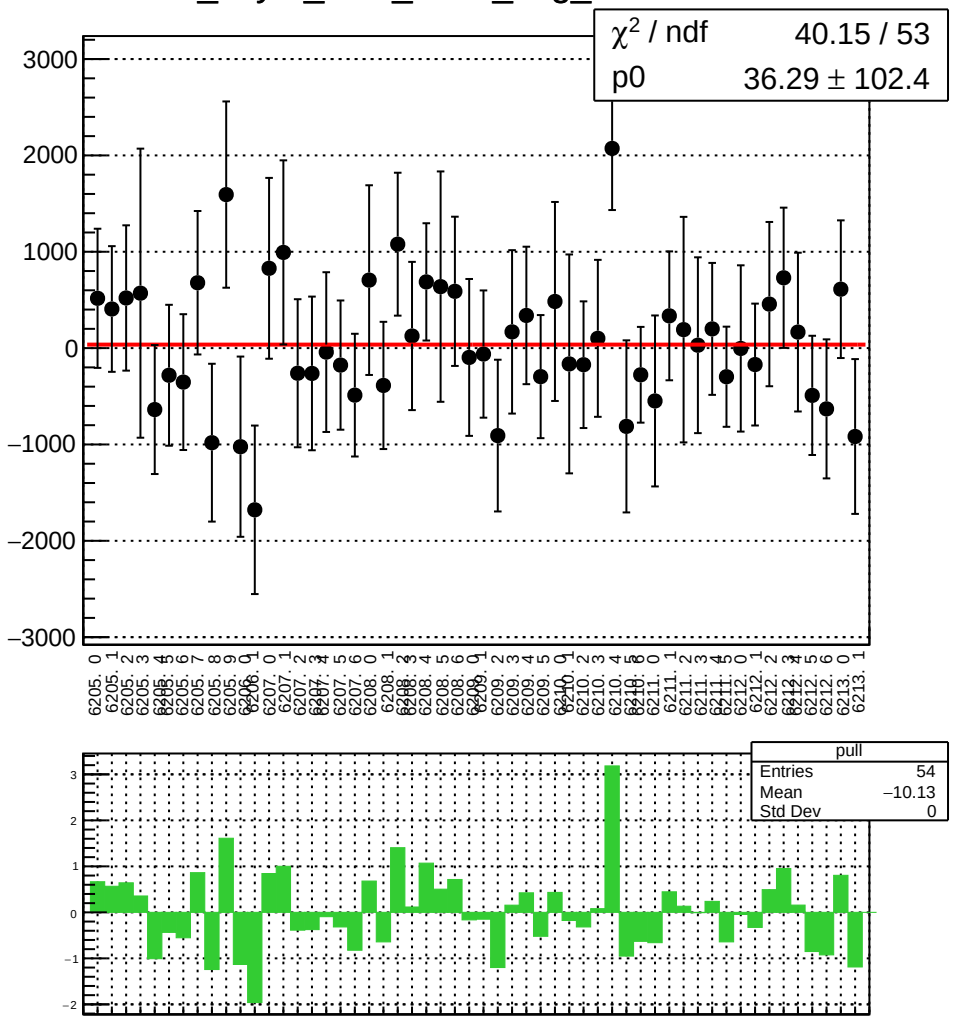
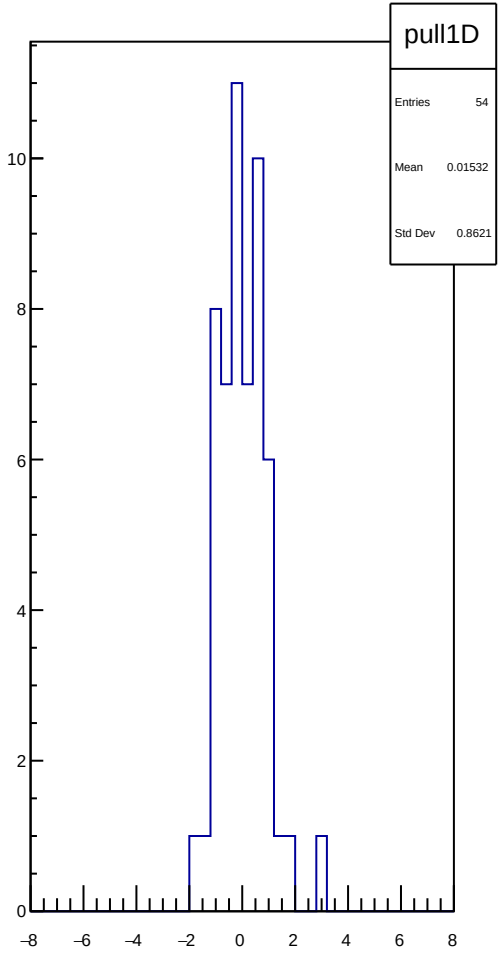
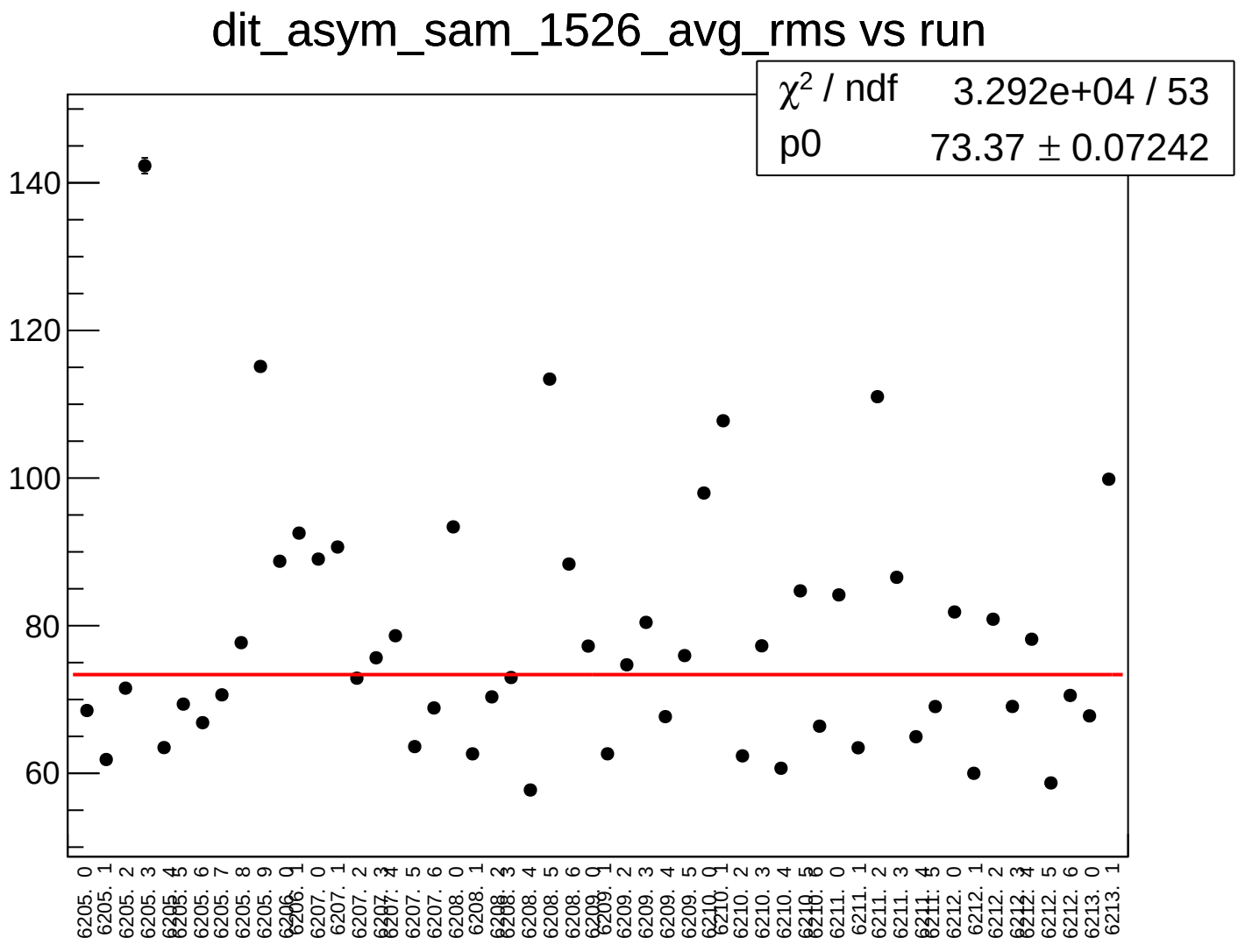
6213. 0
6213. 1


dit_asym_sam_1526_avg_mean vs run
χ² / ndf 40.15 / 53
p0 36.29 ± 102.4
pull
Entries 54
Mean −10.13
Std Dev 0


pull1D
Entries 54
Mean 0.01532
Std Dev 0.8621


dit_asym_sam_1526_avg_rms vs run
χ² / ndf 3.292e+04 / 53
p0 73.37 ± 0.07242
140
120
100
80
60
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
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6207. 4
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6207. 6
6208. 0
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6208. 2
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6208. 6
6209. 0
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6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
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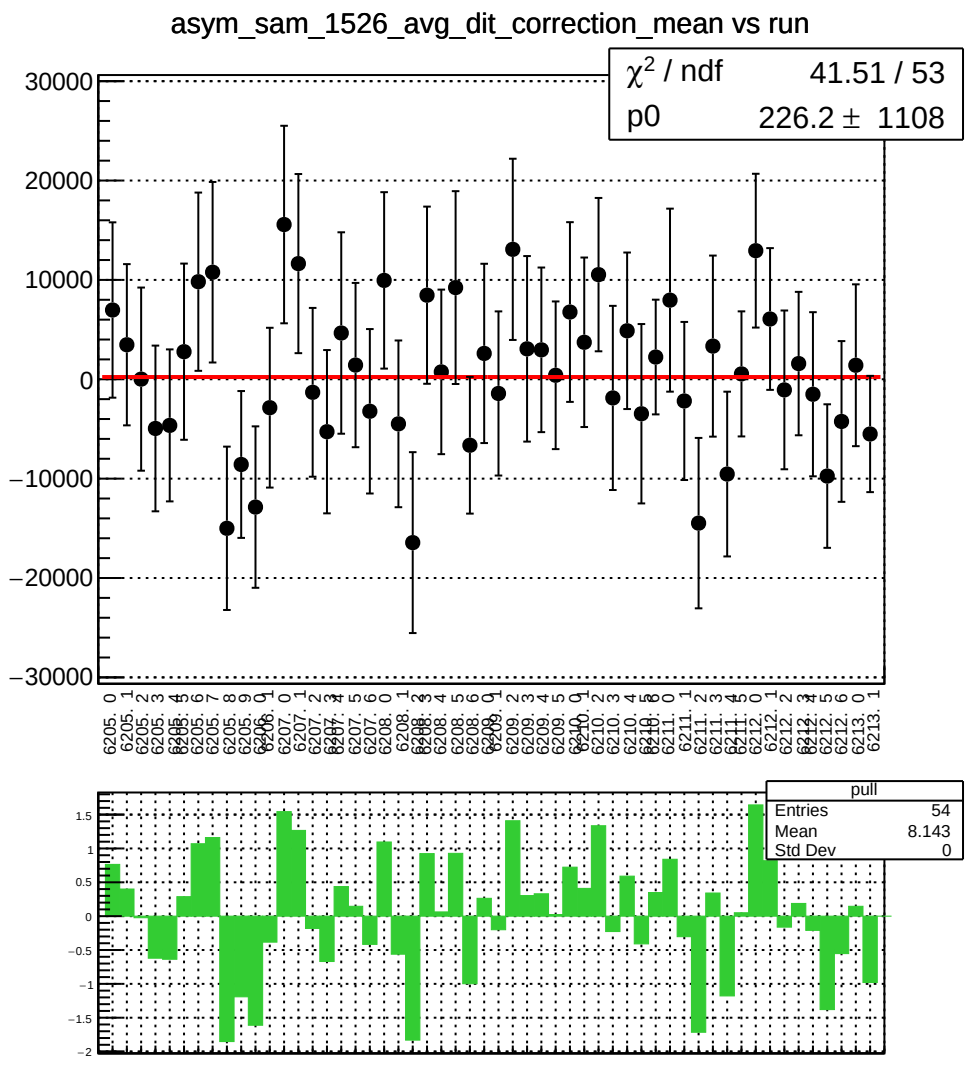
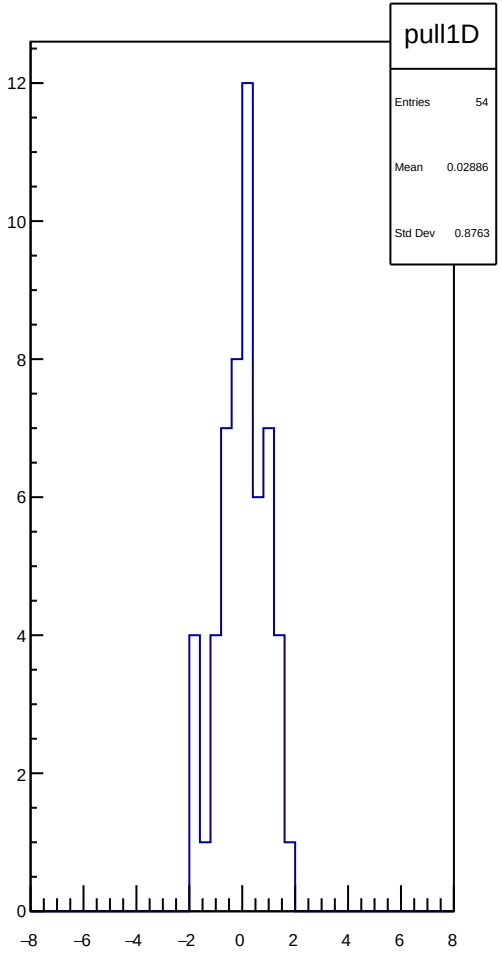
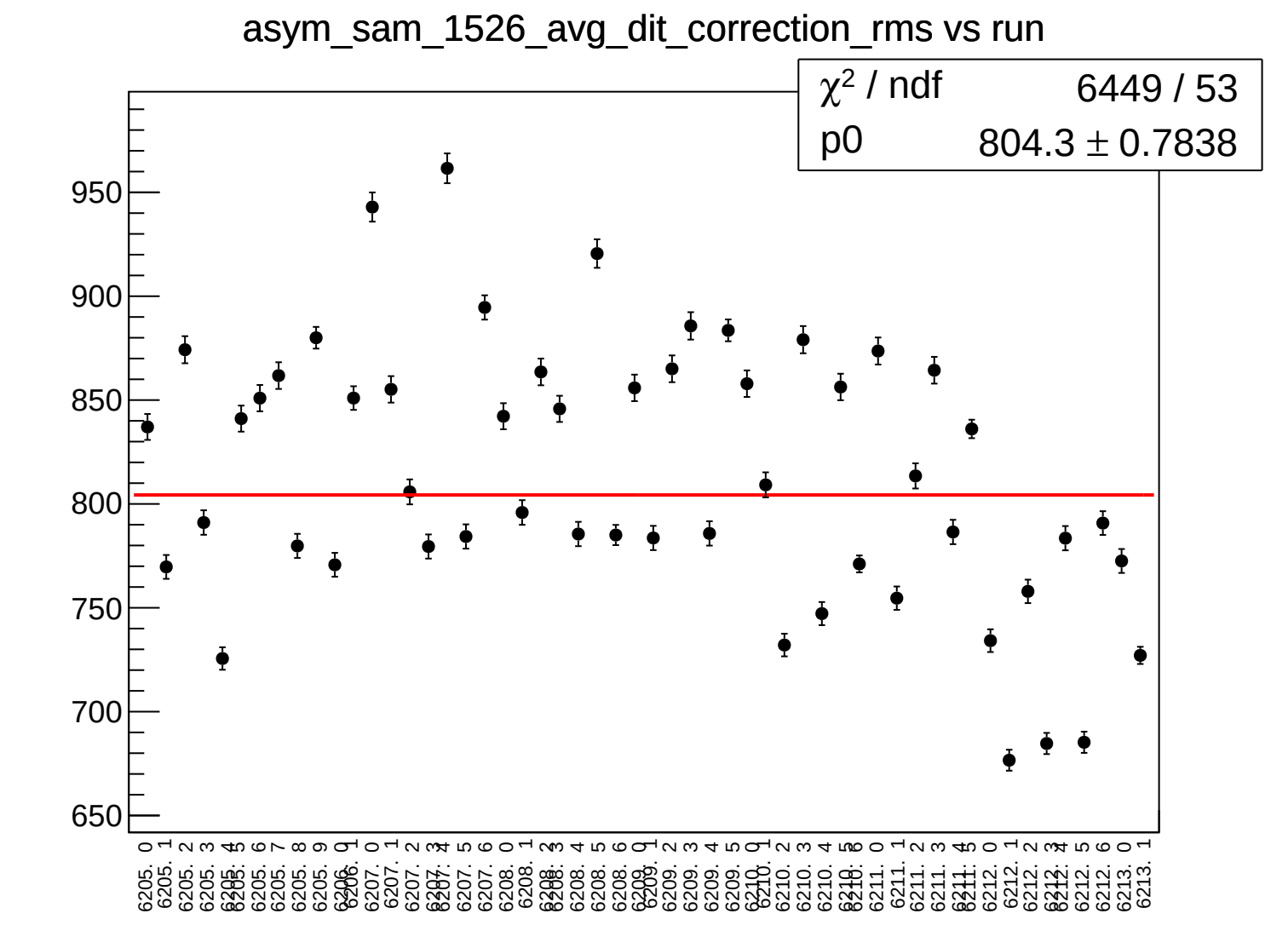
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_sam_1526_avg_dit_correction_mean vs run
χ^2 / ndf 41.51 / 53
p0 226.2 ± 1108
pull
Entries 54
Mean 8.143
Std Dev 0


pull1D
Entries 54
Mean 0.02886
Std Dev 0.8763


asym_sam_1526_avg_dit_correction_rms vs run
χ² / ndf 6449 / 53
p0 804.3 ± 0.7838
950
900
850
800
750
700
650
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
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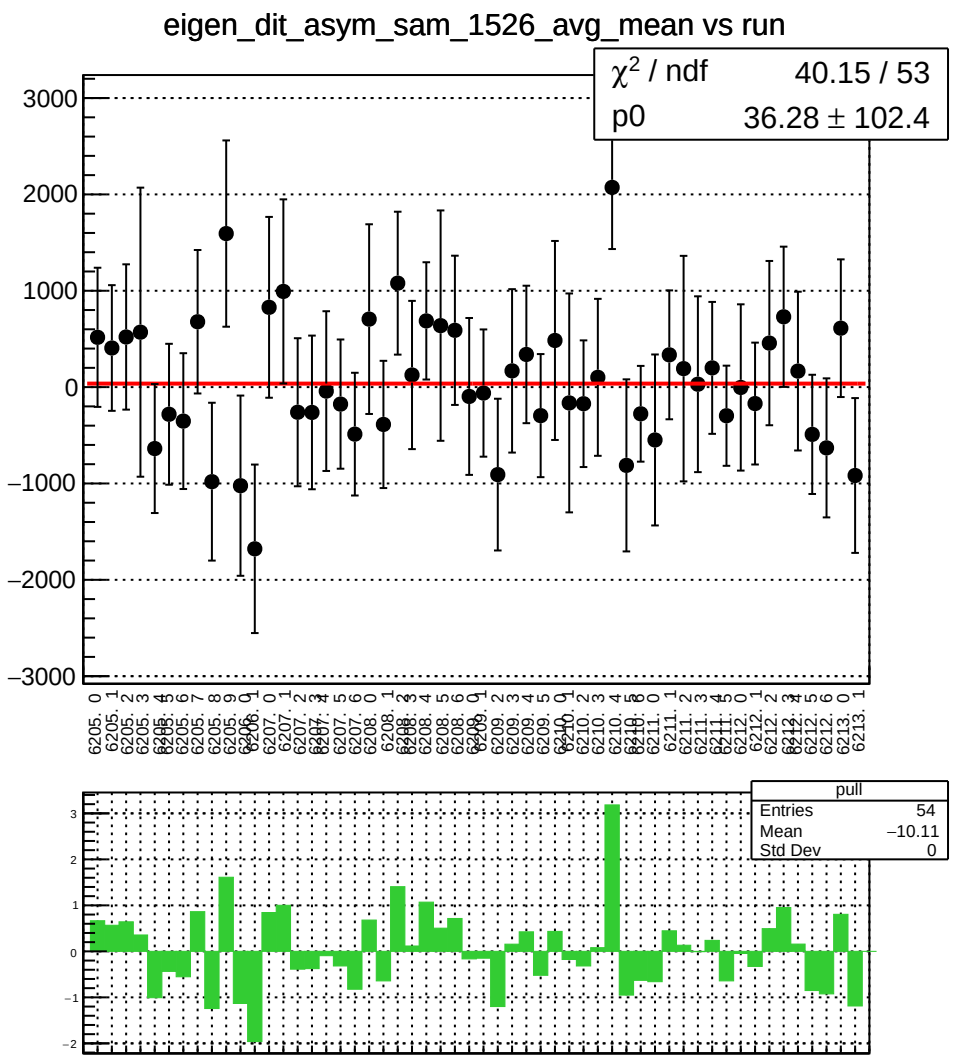
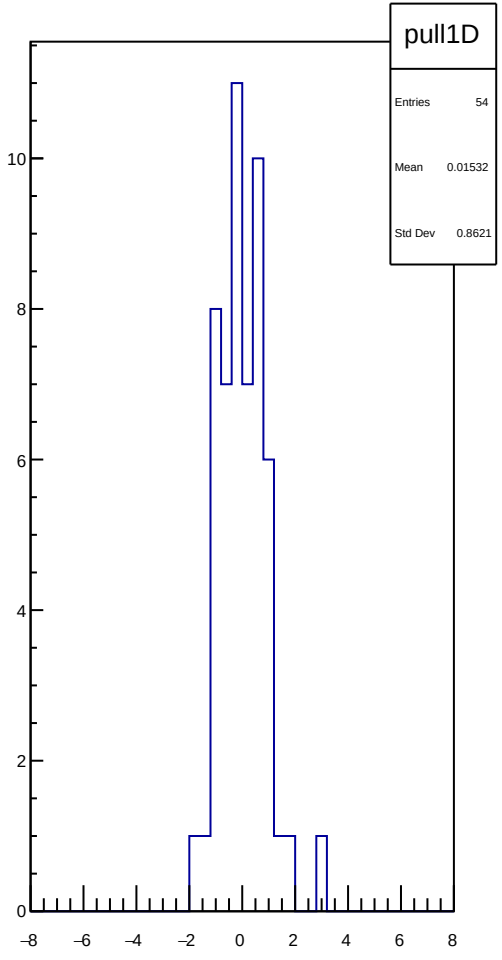
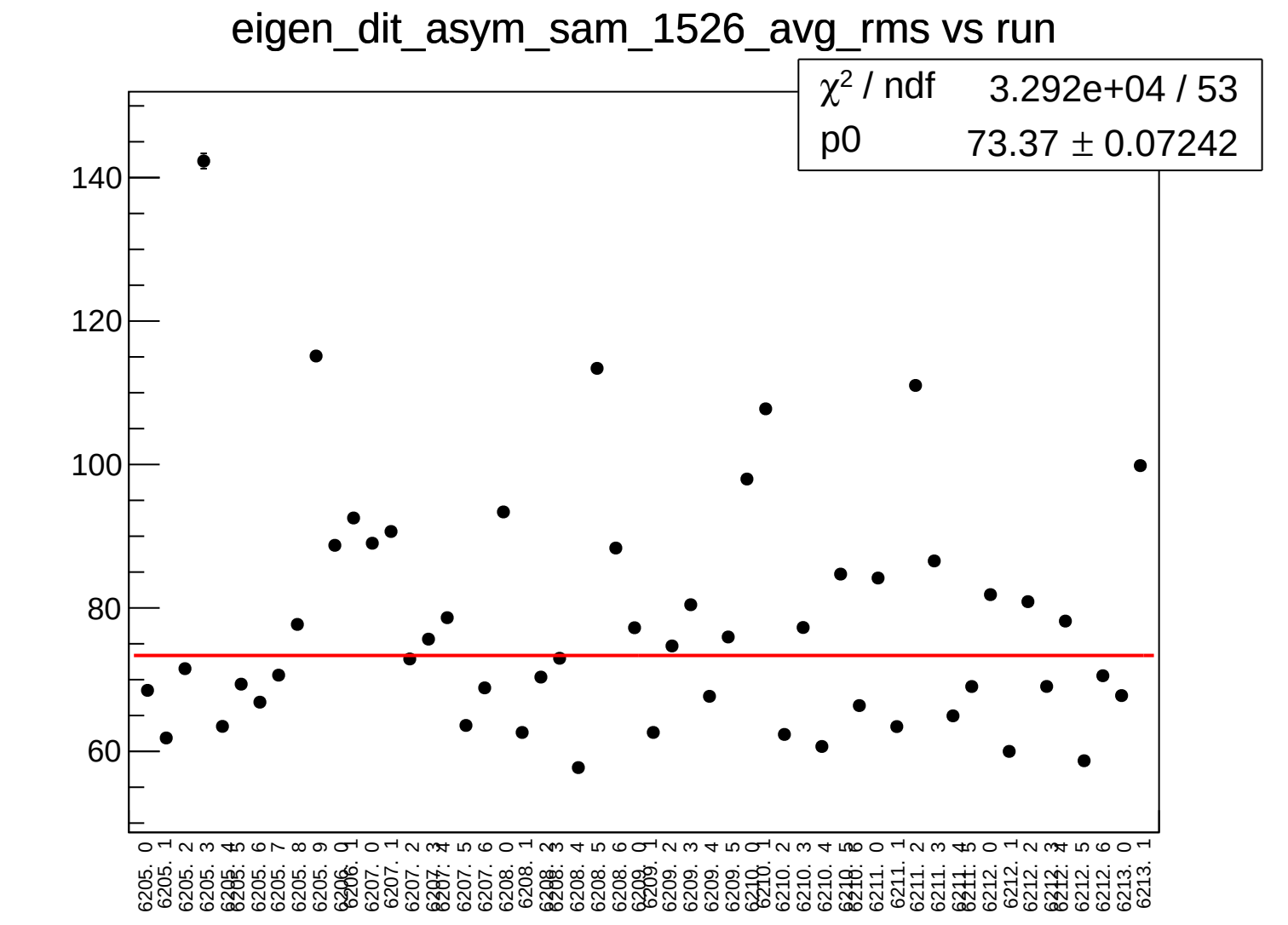
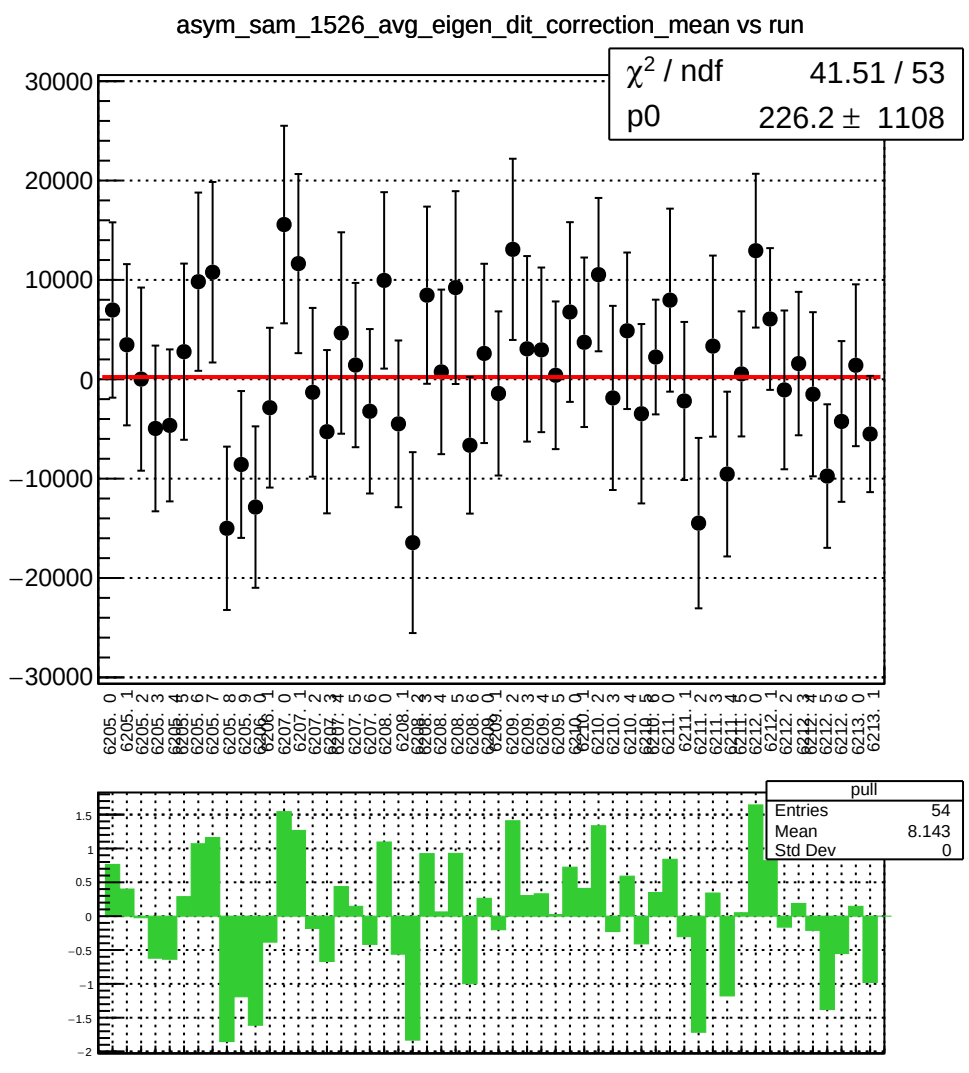
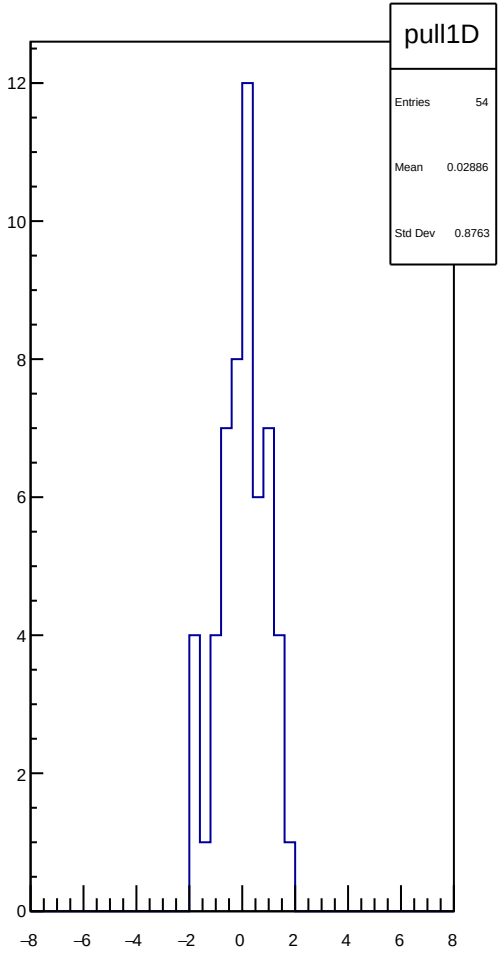
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

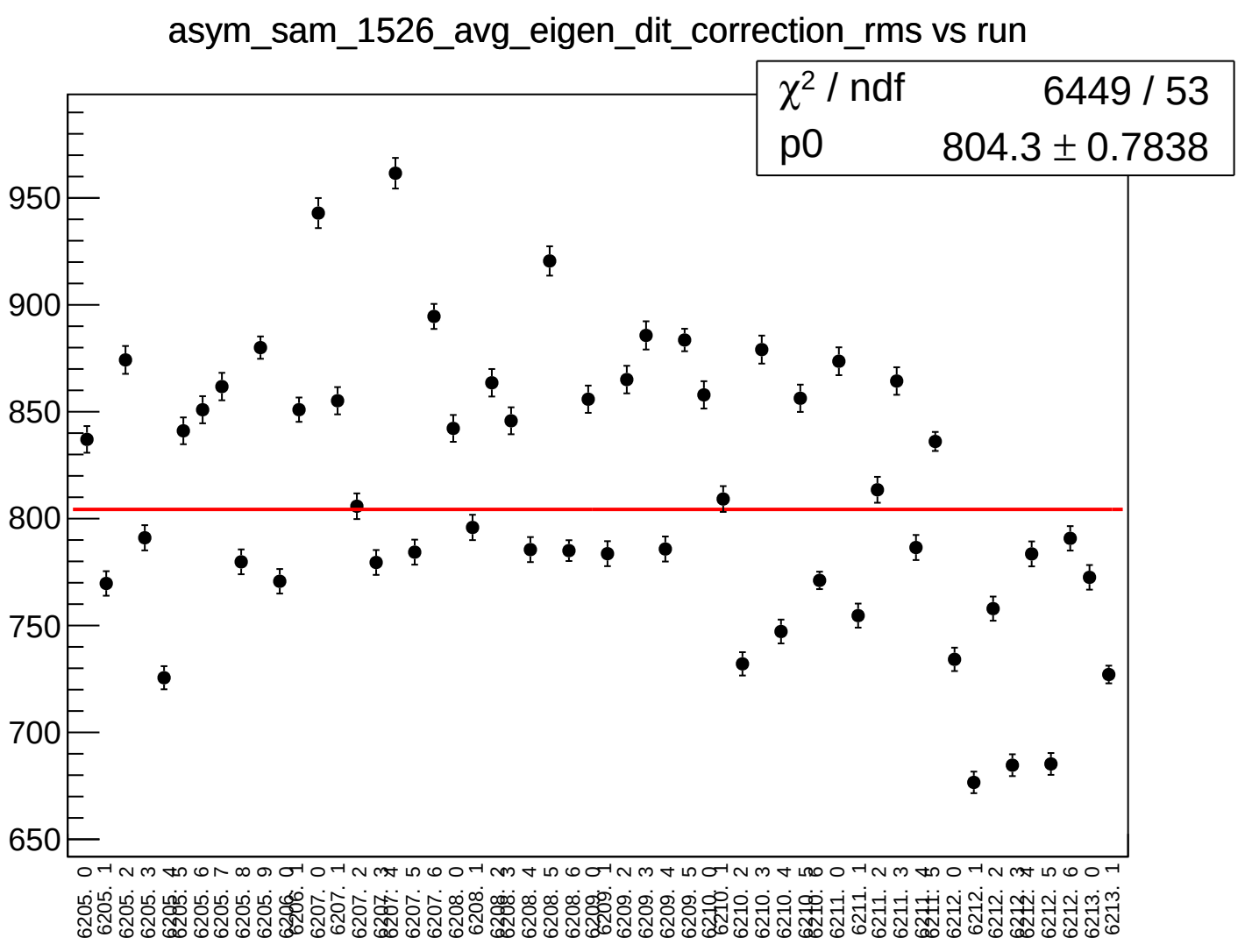

eigen_dit_asym_sam_1526_avg_mean vs run
χ² / ndf 40.15 / 53
p0 36.28 ± 102.4
pull
Entries 54
Mean −10.11
Std Dev 0

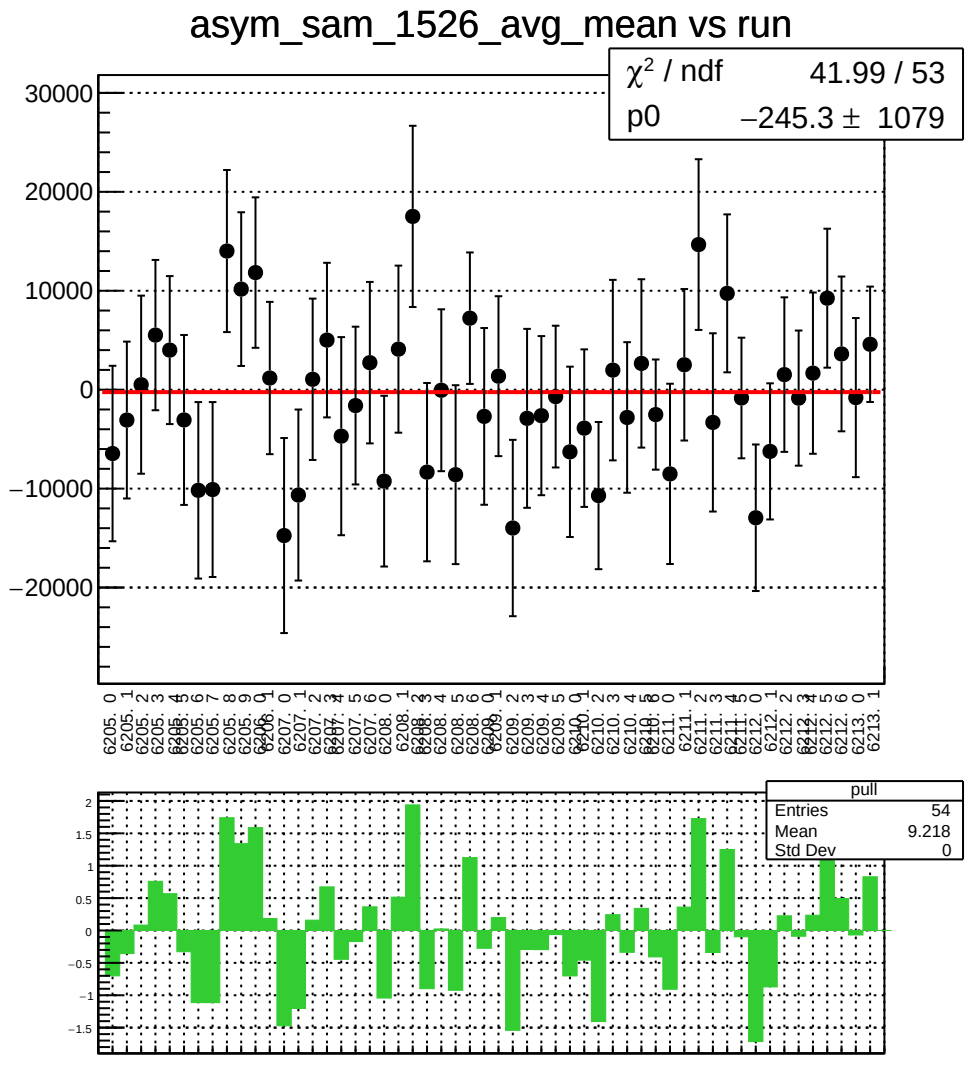

pull1D
Entries 54
Mean 0.01532
Std Dev 0.8621

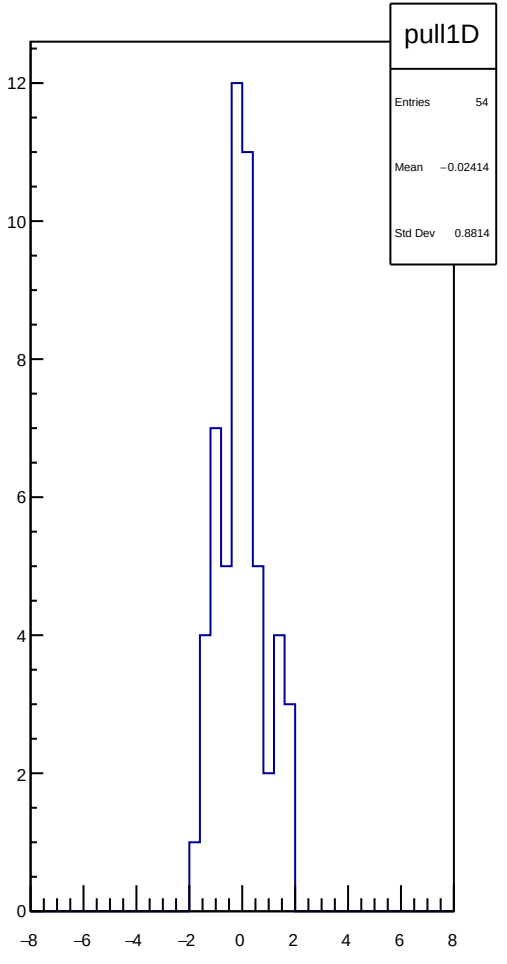

eigen_dit_asym_sam_1526_avg_rms vs run
χ² / ndf 3.292e+04 / 53
p0 73.37 ± 0.07242
140
120
100
80
60
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

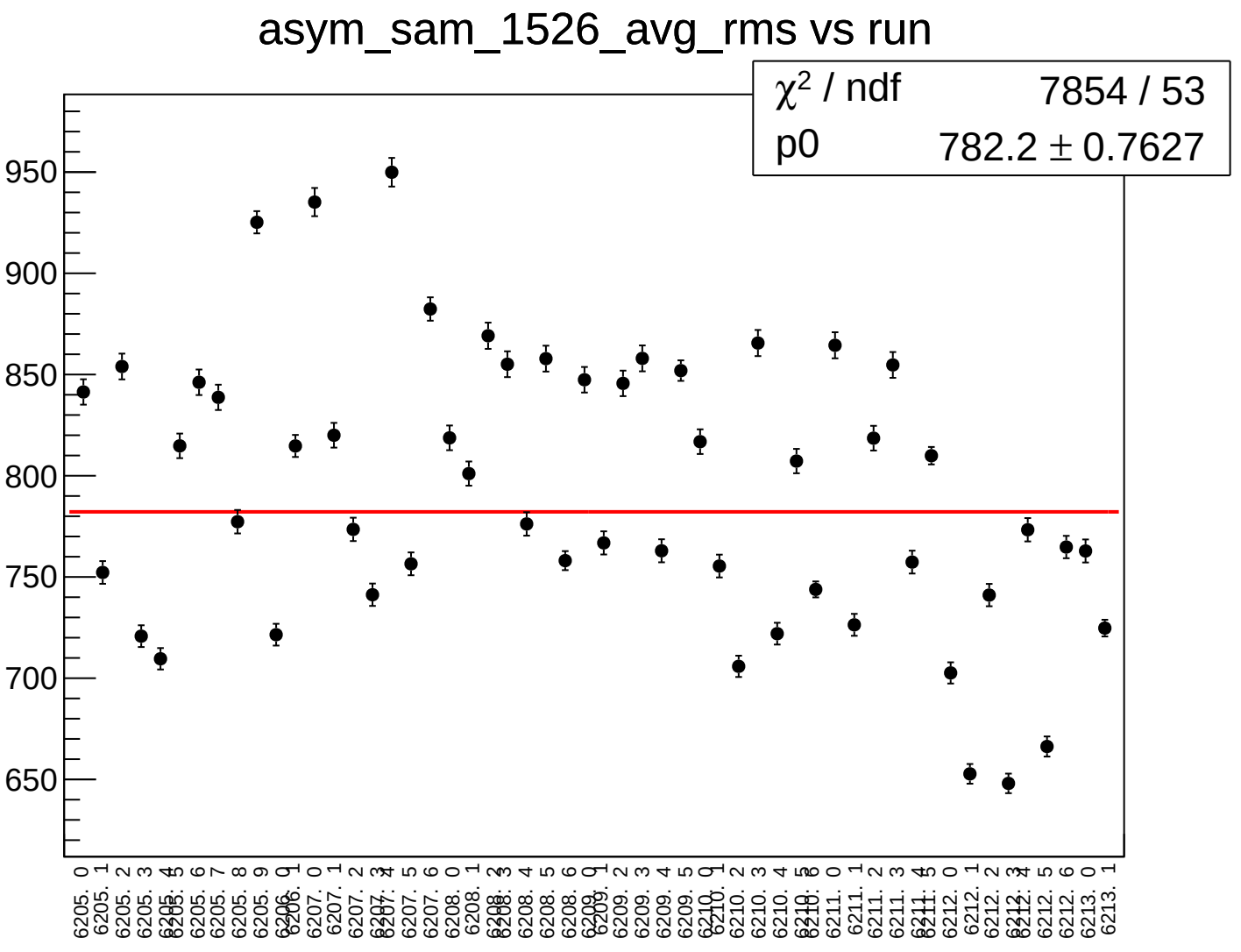

asym_sam_1526_avg_eigen_dit_correction_mean vs run
χ² / ndf 41.51 / 53
p0 226.2 ± 1108
pull
Entries 54
Mean 8.143
Std Dev 0

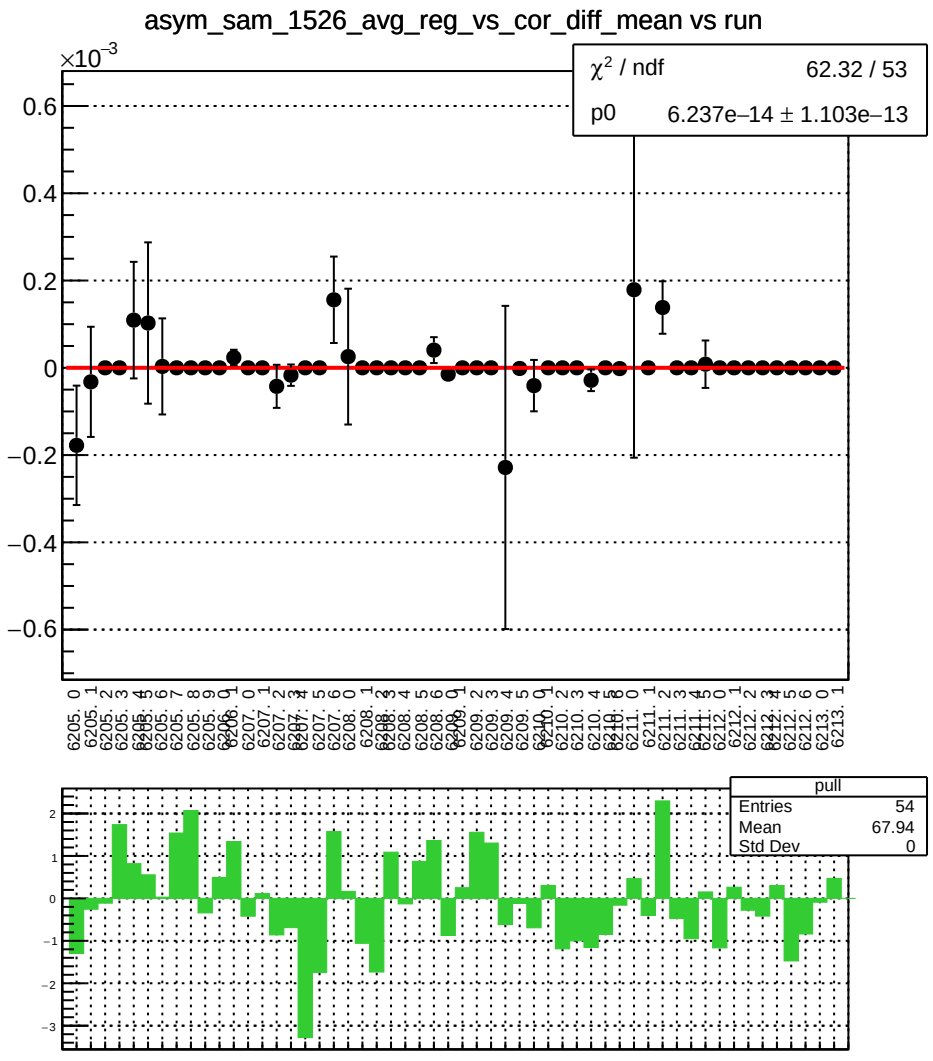

pull1D
Entries 54
Mean 0.02886
Std Dev 0.8763

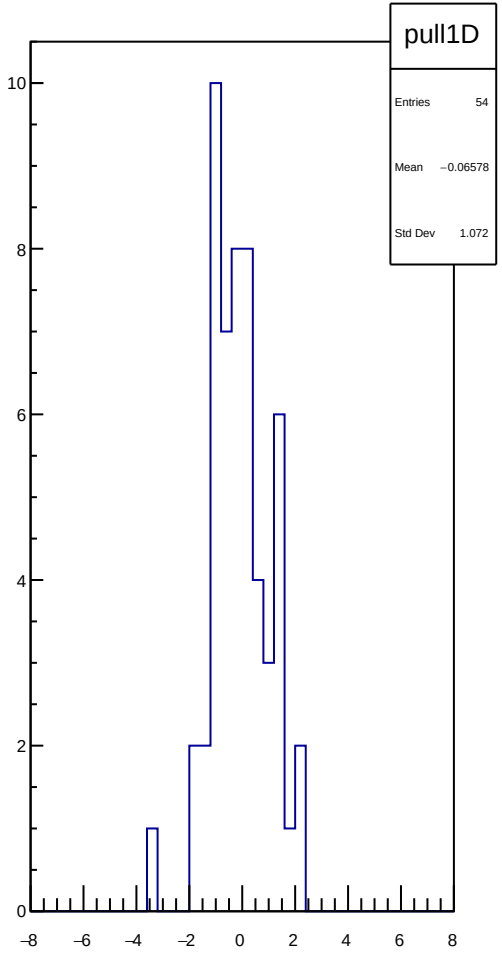

asym_sam_1526_avg_eigen_dit_correction_rms vs run
χ² / ndf 6449 / 53
p0 804.3 ± 0.7838
950
900
850
800
750
700
650
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

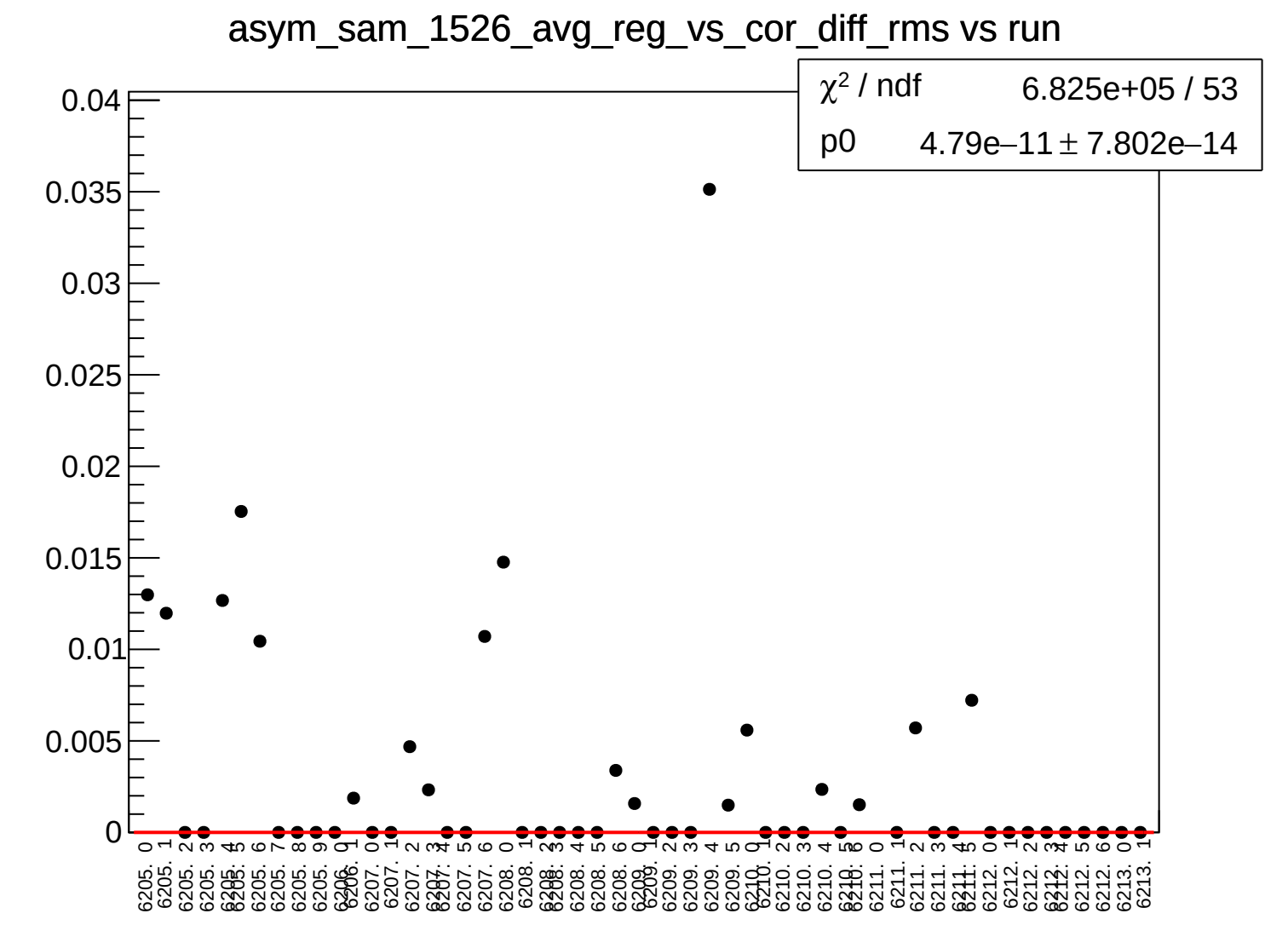

asym_sam_1526_avg_mean vs run
χ² / ndf 41.99 / 53
p0 −245.3 ± 1079
30000
20000
10000
0
−10000
−20000
pull
Entries 54
Mean 9.218
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

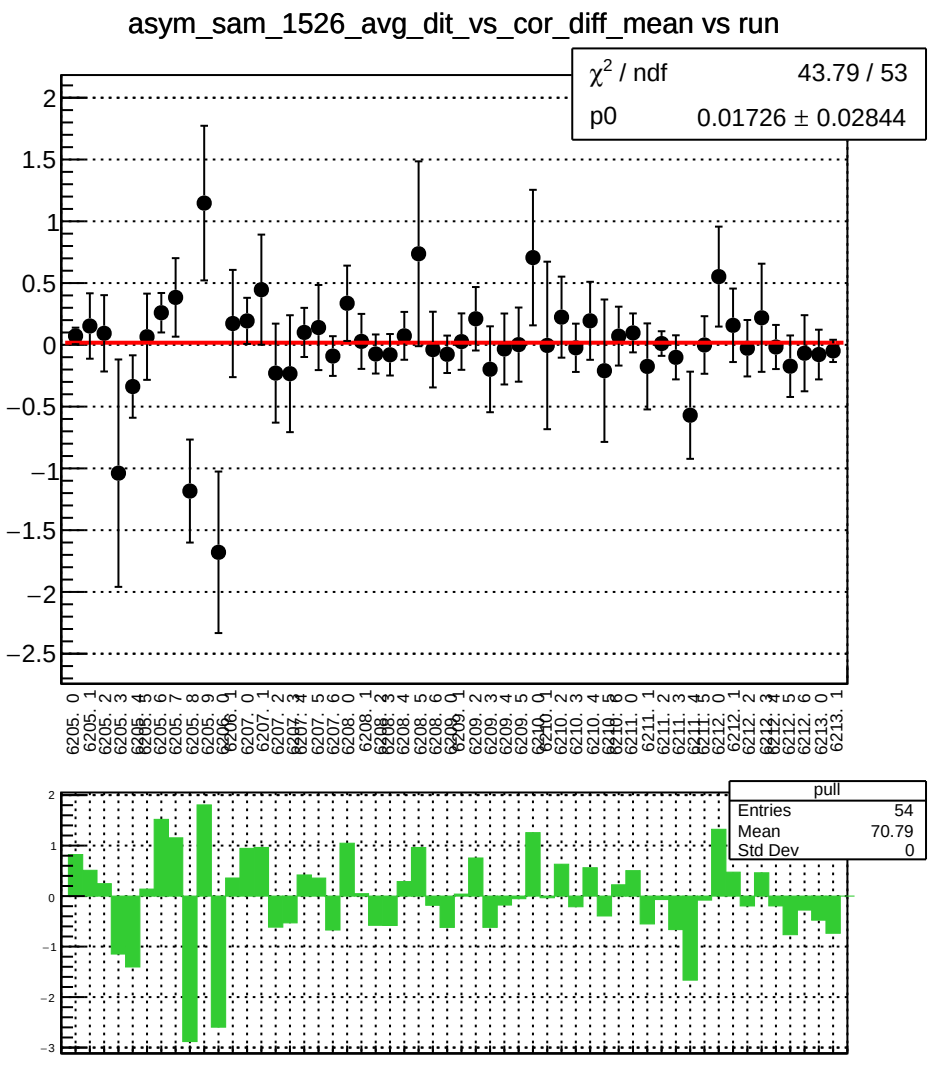

pull1D
Entries 54
Mean −0.02414
Std Dev 0.8814
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

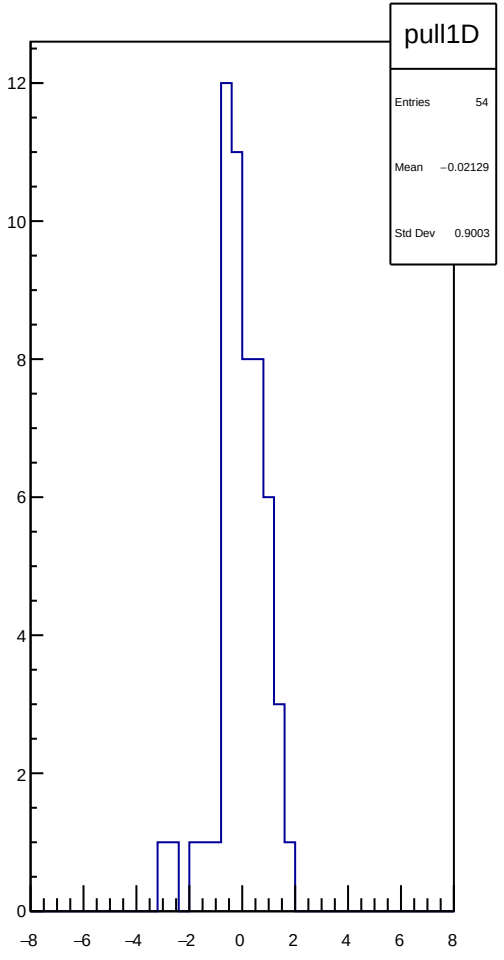

asym_sam_1526_avg_rms vs run
χ² / ndf 7854 / 53
p0 782.2 ± 0.7627
950
900
850
800
750
700
650
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

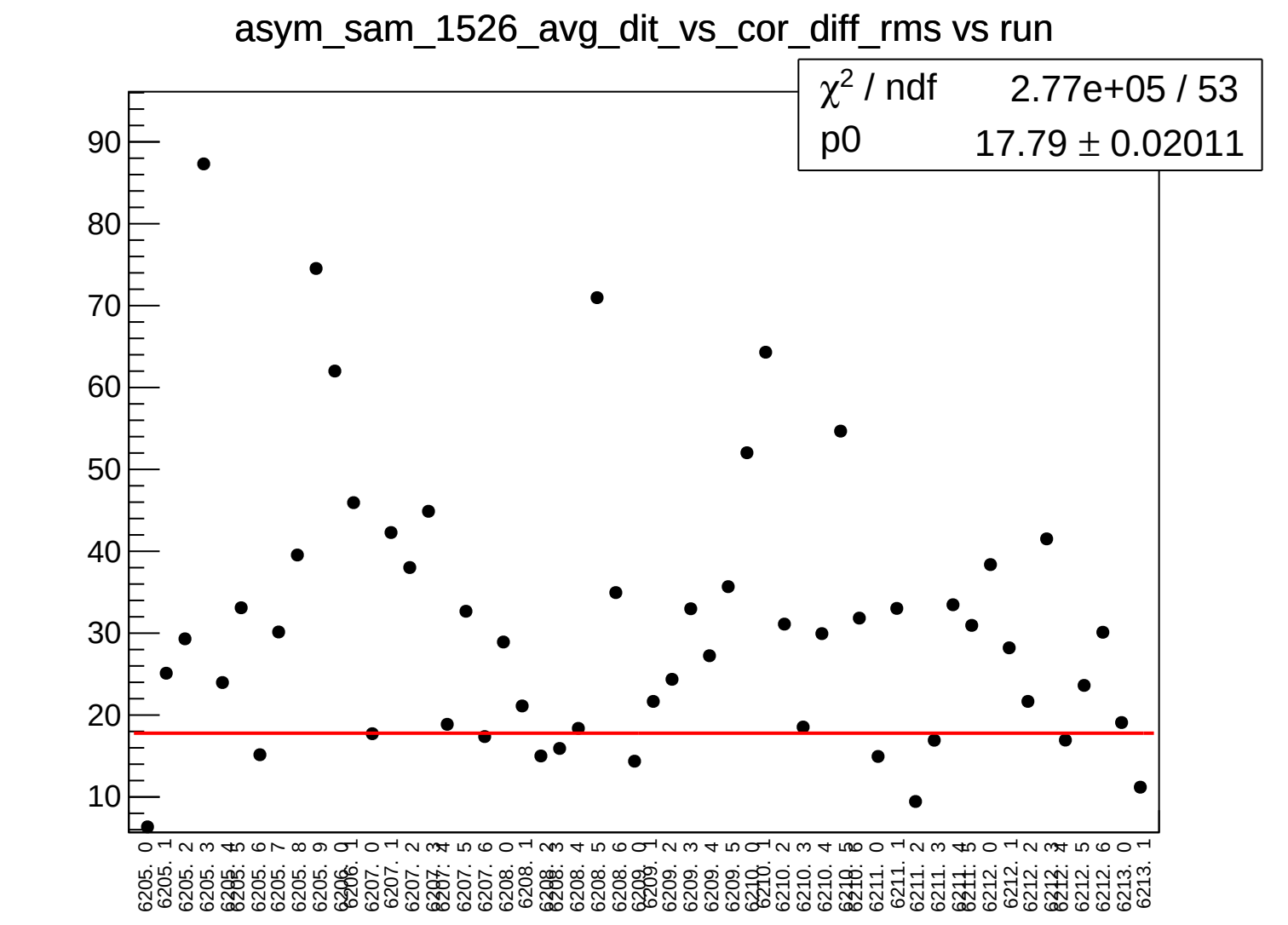

asym_sam_1526_avg_reg_vs_cor_diff_mean vs run
×10^−3
χ² / ndf 62.32 / 53
p0 6.237e−14 ± 1.103e−13
pull
Entries 54
Mean 67.94
Std Dev 0

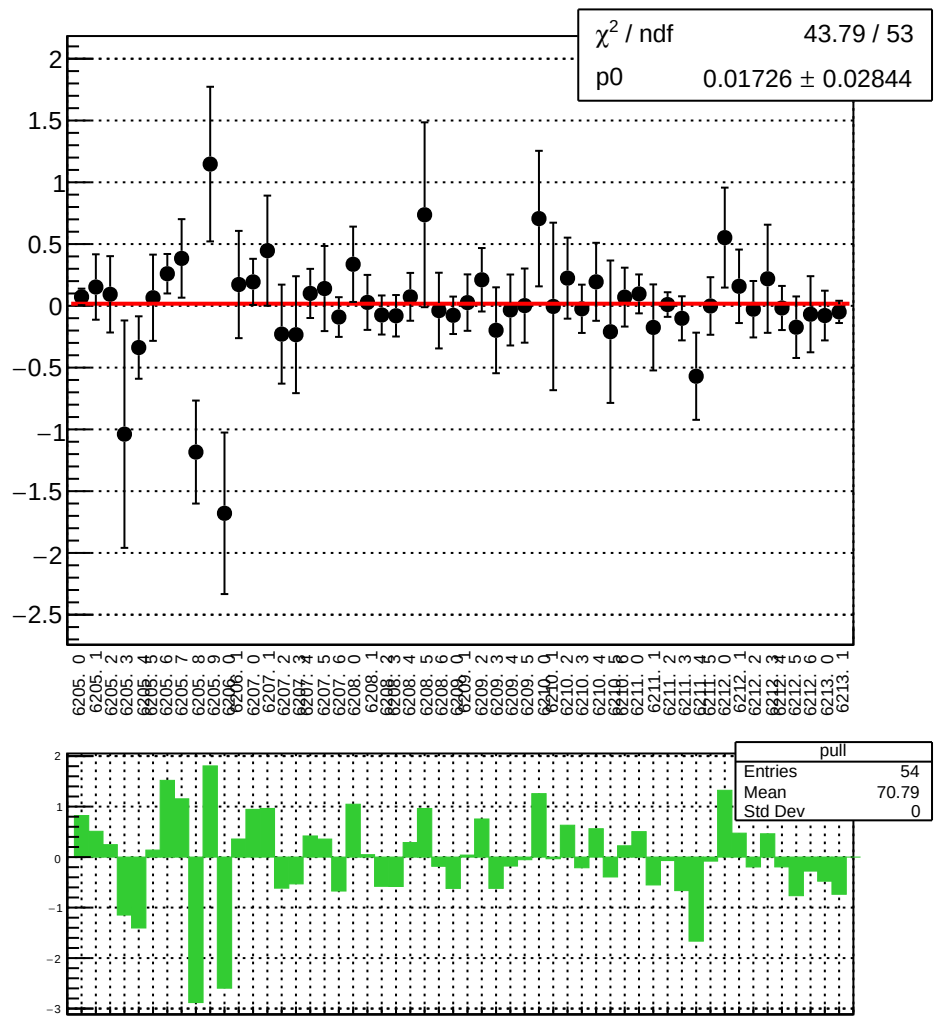

pull1D
Entries 54
Mean −0.06578
Std Dev 1.072

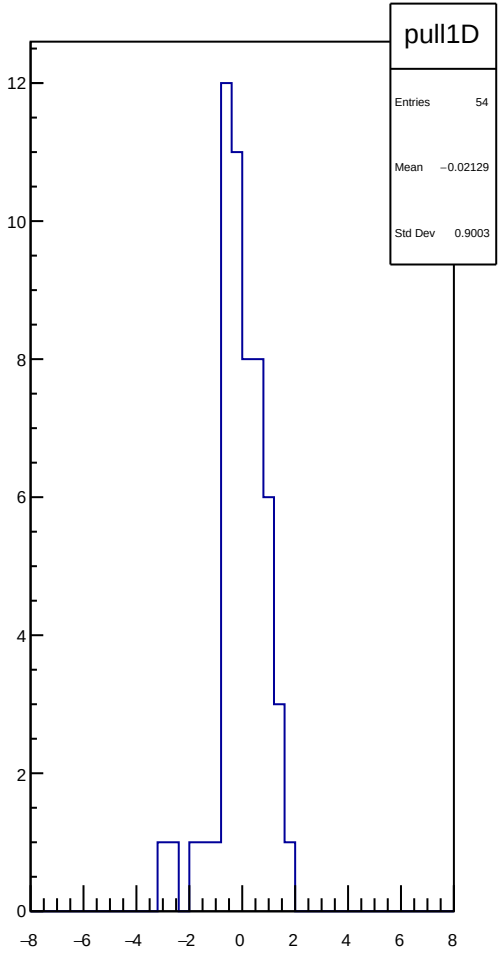

asym_sam_1526_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.825e+05 / 53
p0 4.79e−11 ± 7.802e−14
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0

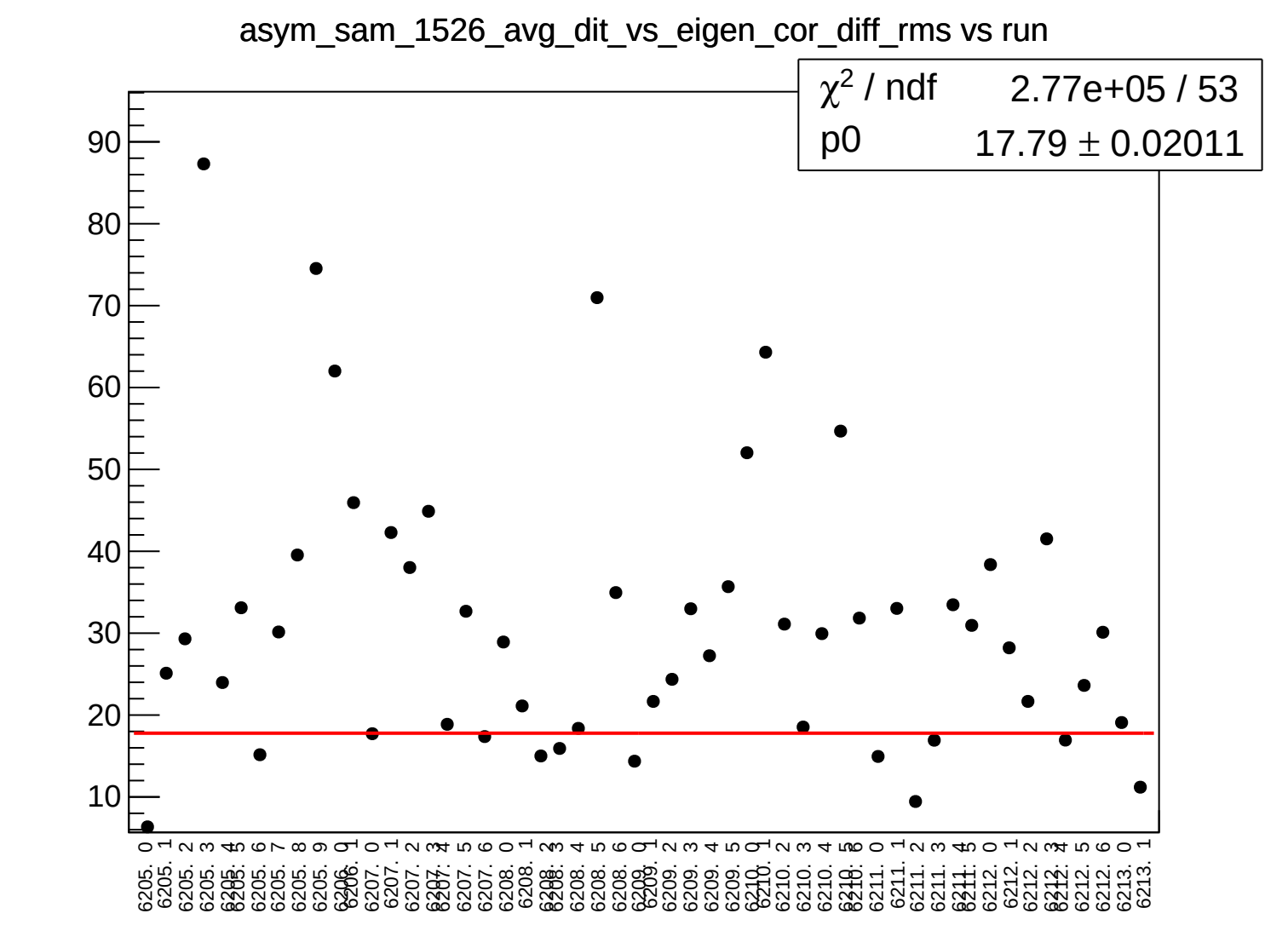

asym_sam_1526_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 43.79 / 53
p0 0.01726 ± 0.02844
pull
Entries 54
Mean 70.79
Std Dev 0

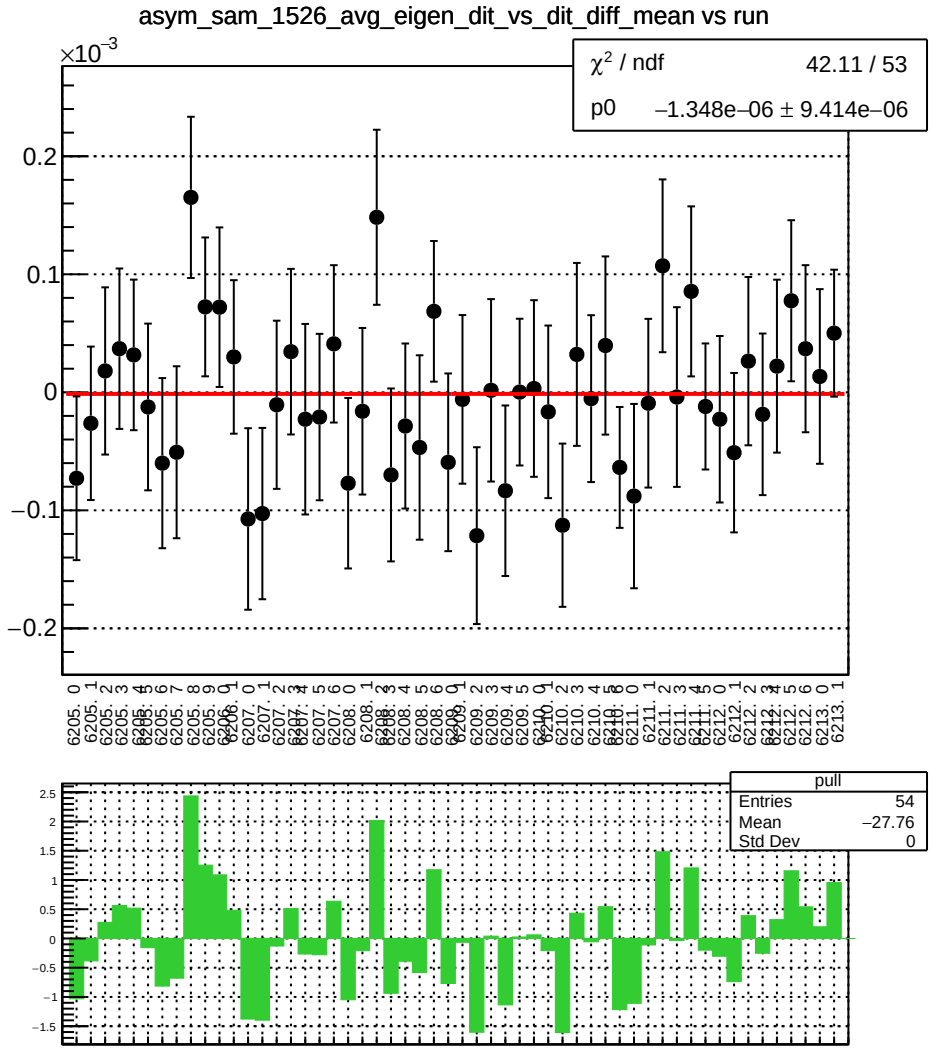

pull1D
Entries 54
Mean −0.02129
Std Dev 0.9003

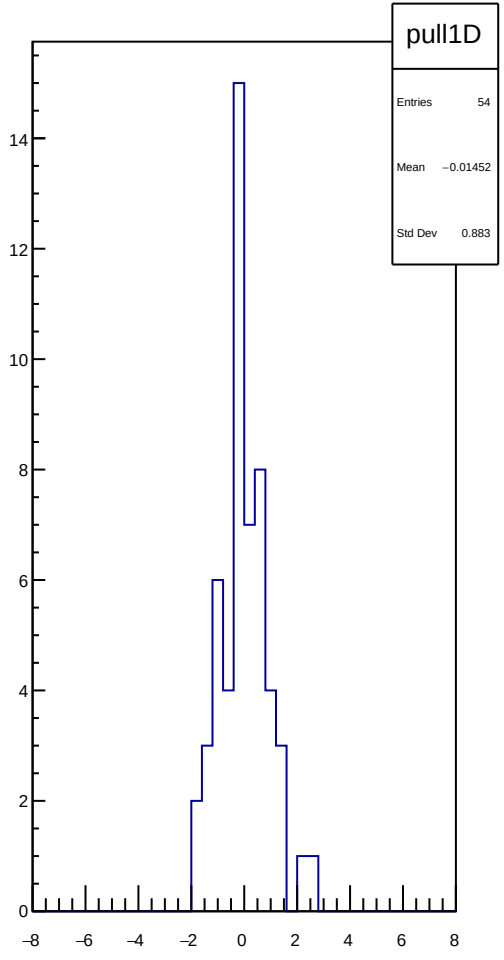

asym_sam_1526_avg_dit_vs_cor_diff_rms vs run
χ^2 / ndf 2.77e+05 / 53
p0 17.79 ± 0.02011
90
80
70
60
50
40
30
20
10
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

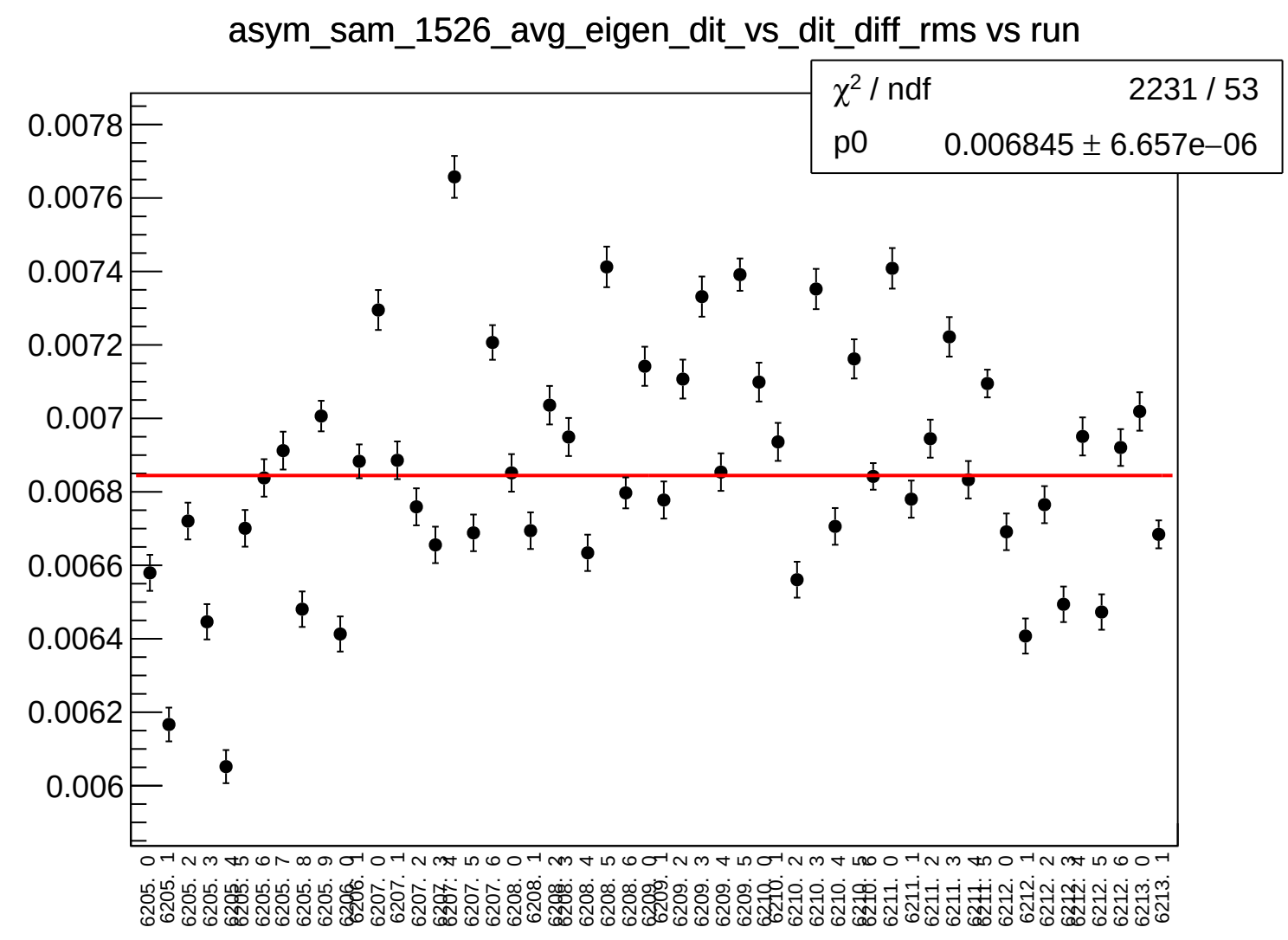

asym_sam_1526_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 43.79 / 53
p0 0.01726 ± 0.02844
pull
Entries 54
Mean 70.79
Std Dev 0

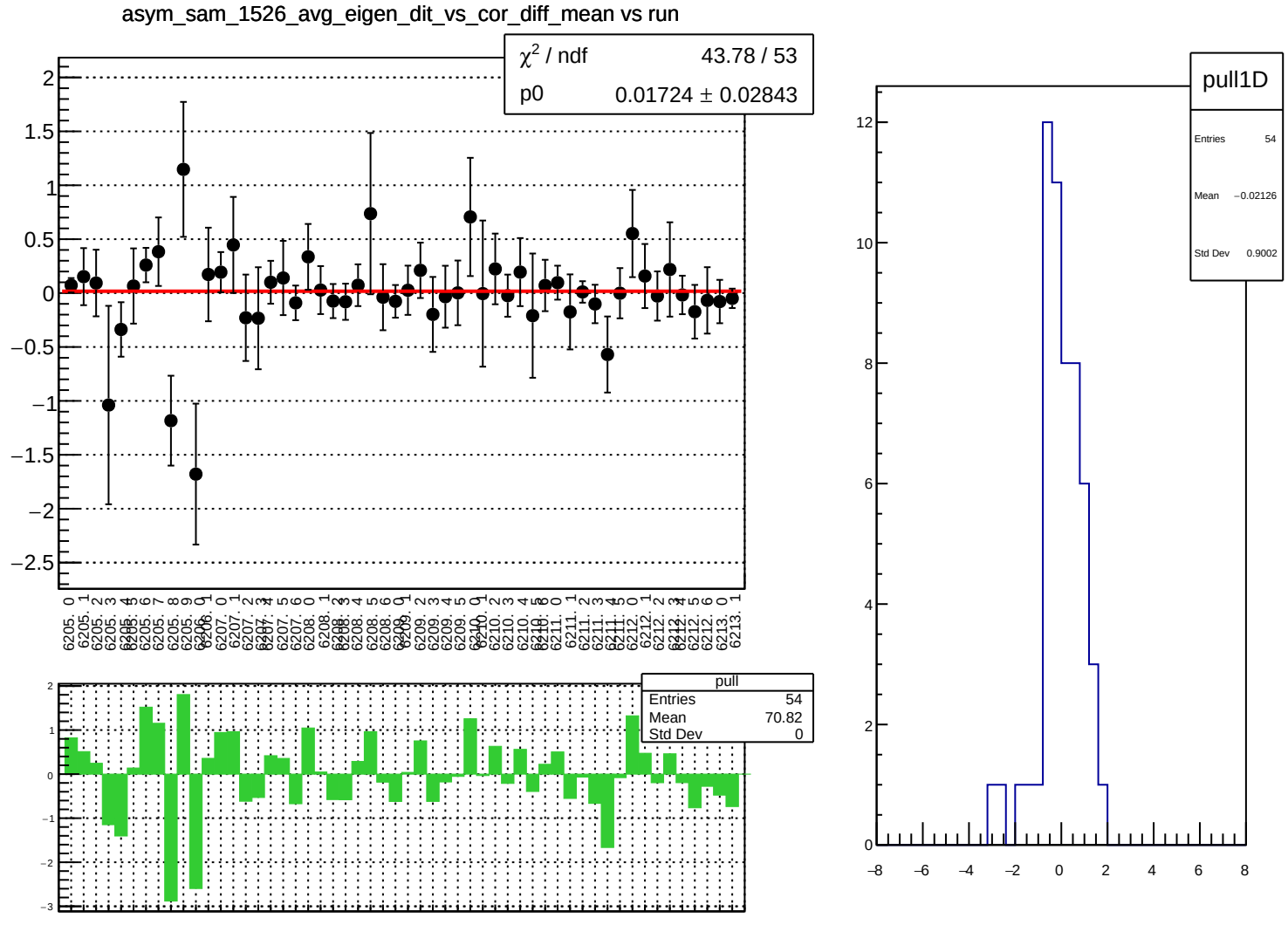

pull1D
Entries 54
Mean −0.02129
Std Dev 0.9003

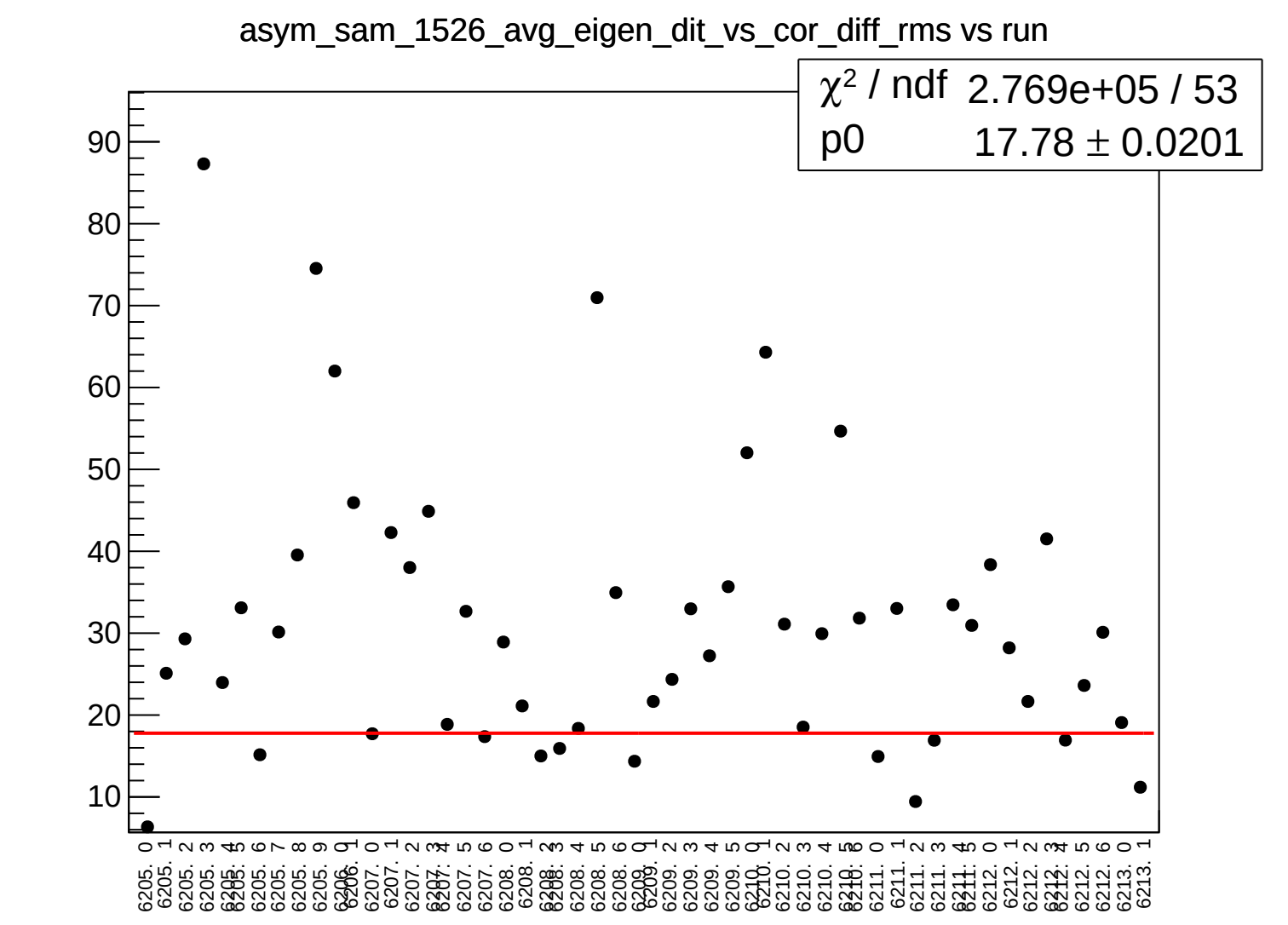

asym_sam_1526_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.77e+05 / 53
p0 17.79 ± 0.02011
90
80
70
60
50
40
30
20
10
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

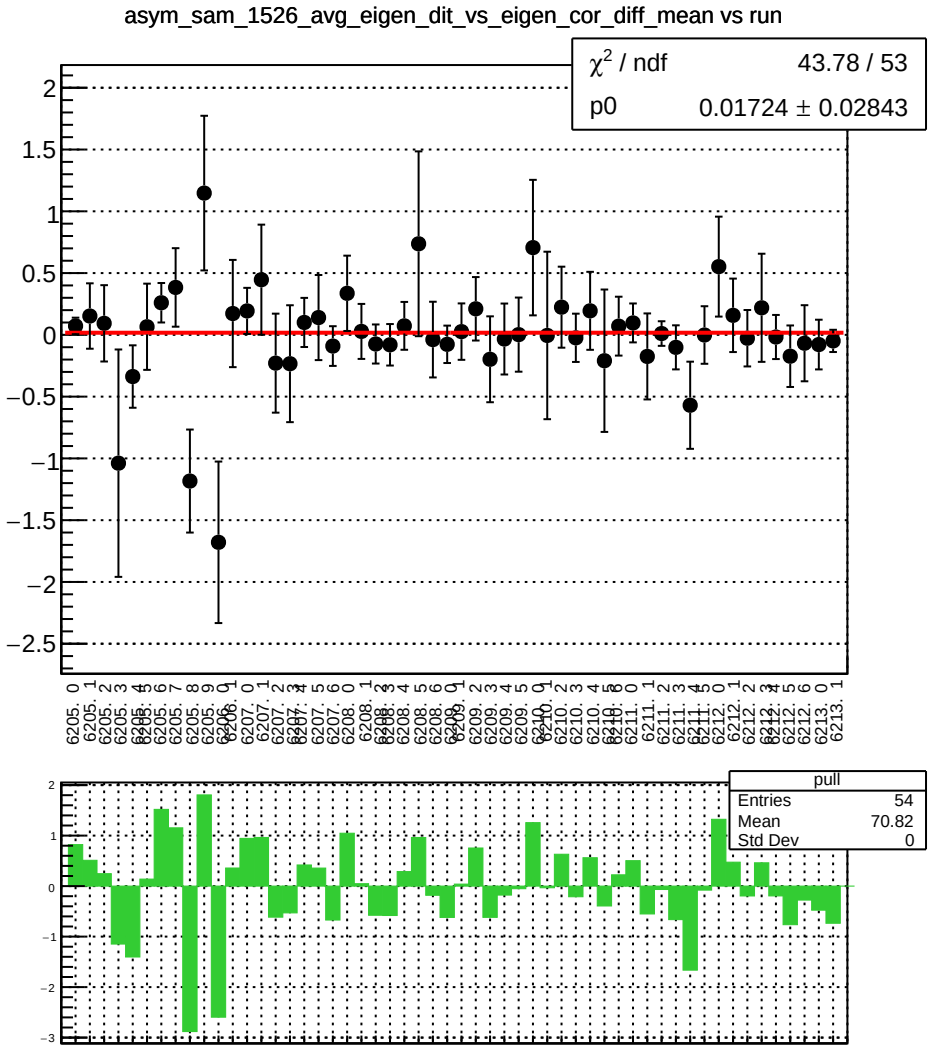

asym_sam_1526_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 42.11 / 53
p0 −1.348e−06 ± 9.414e−06
0.2
0.1
0
−0.1
−0.2
pull
Entries 54
Mean −27.76
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

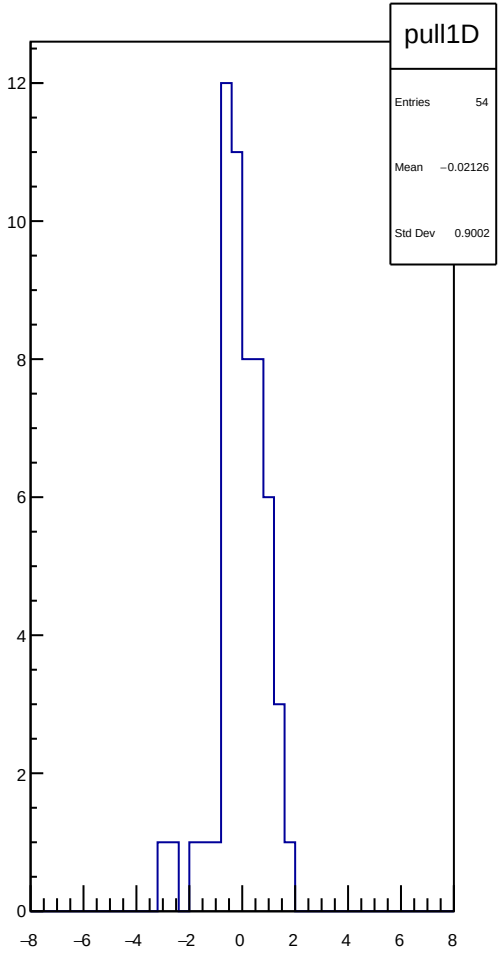

pull1D
Entries 54
Mean −0.01452
Std Dev 0.883
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

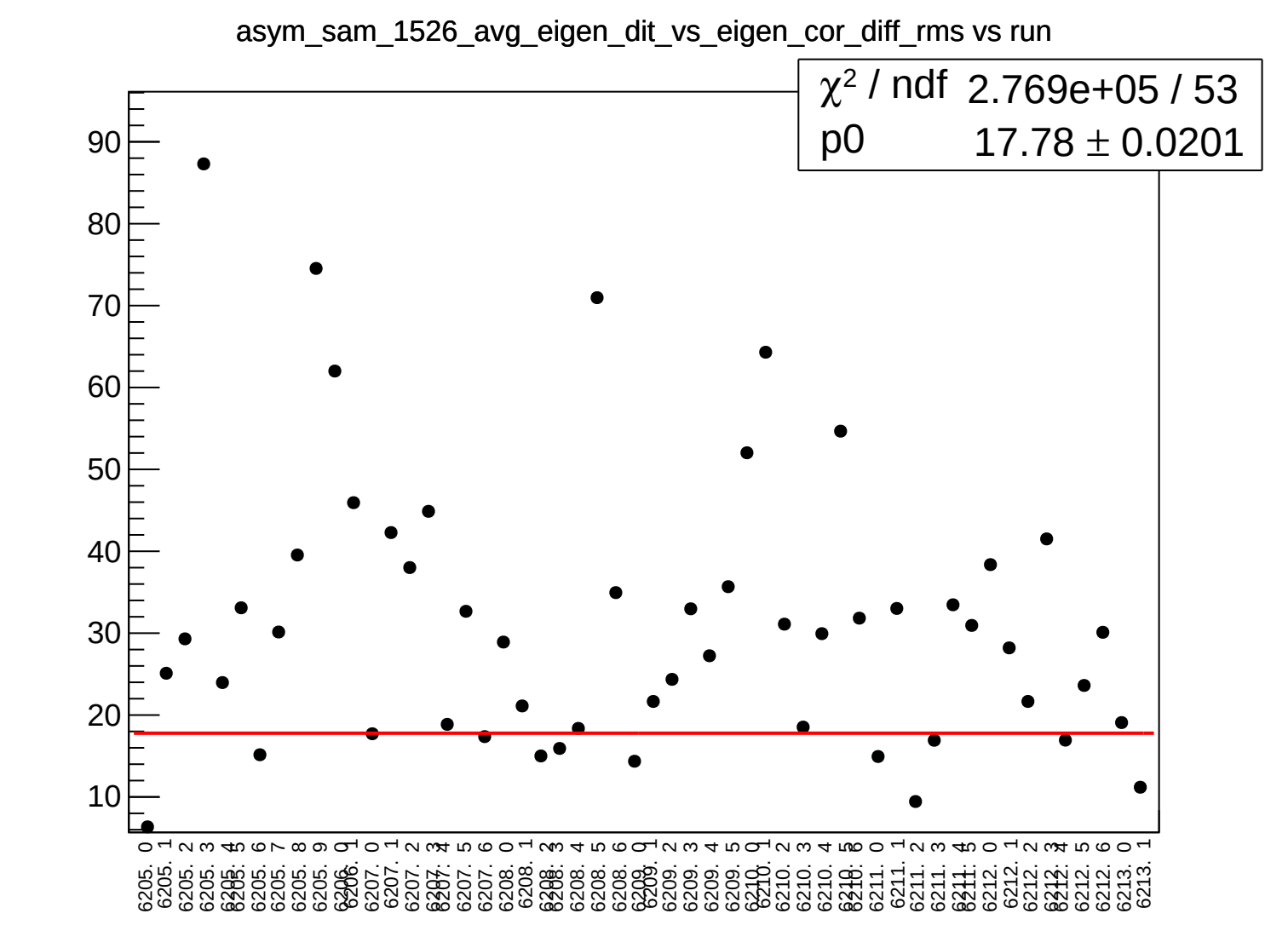

asym_sam_1526_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2231 / 53
p0 0.006845 ± 6.657e−06
0.0078
0.0076
0.0074
0.0072
0.007
0.0068
0.0066
0.0064
0.0062
0.006
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

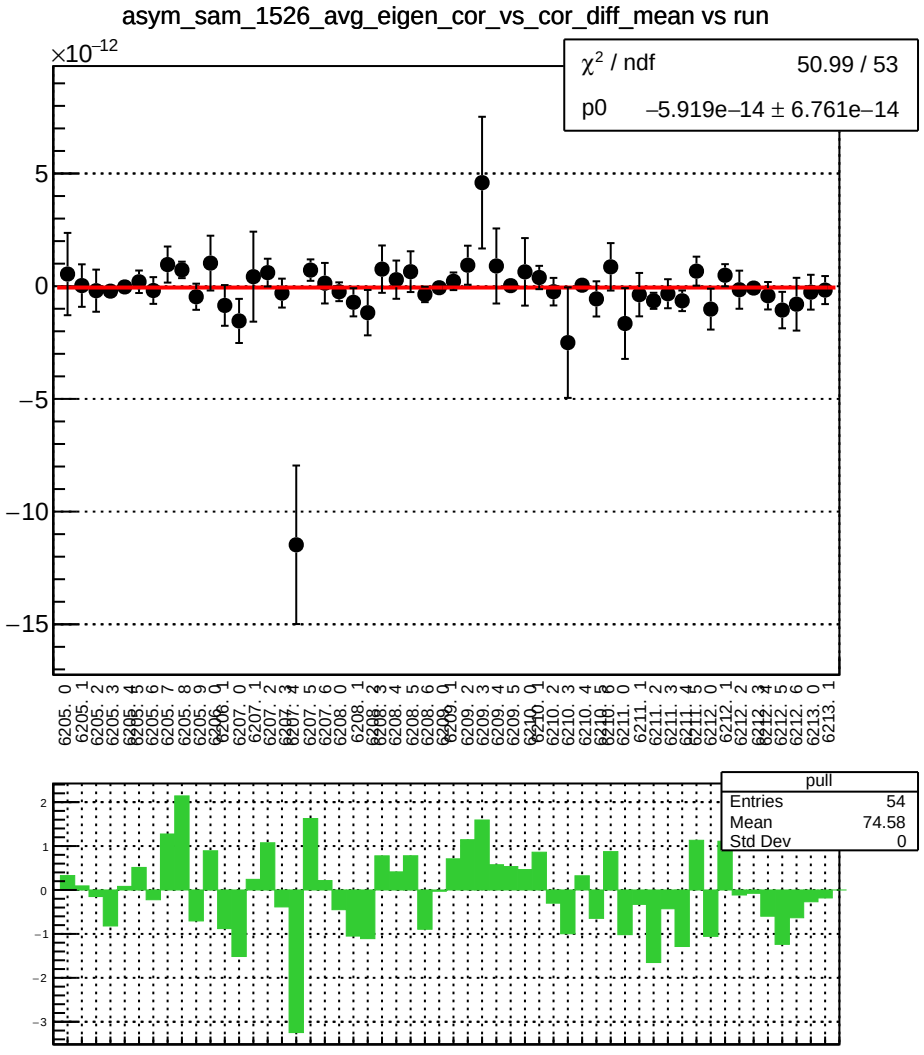

asym_sam_1526_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 43.78 / 53
p0 0.01724 ± 0.02843
pull
Entries 54
Mean 70.82
Std Dev 0
pull1D
Entries 54
Mean −0.02126
Std Dev 0.9002

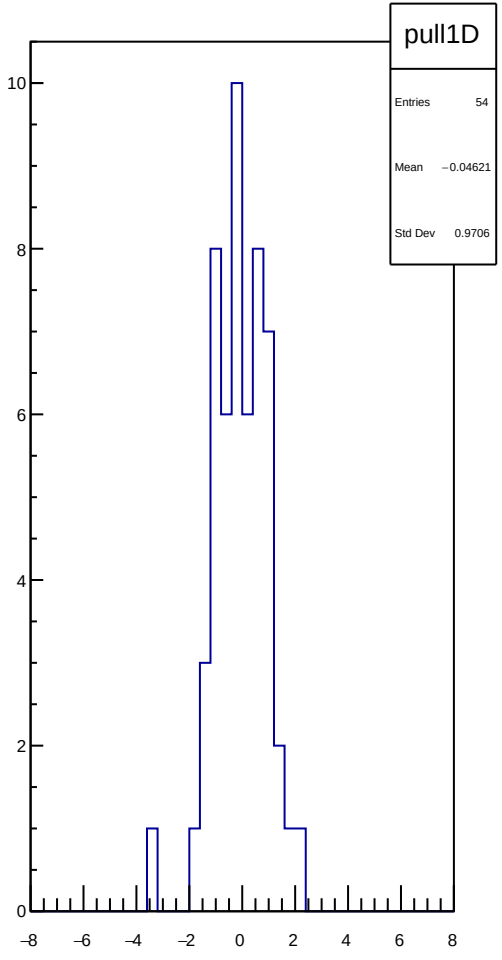

asym_sam_1526_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.769e+05 / 53
p0 17.78 ± 0.0201
90
80
70
60
50
40
30
20
10
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 1
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

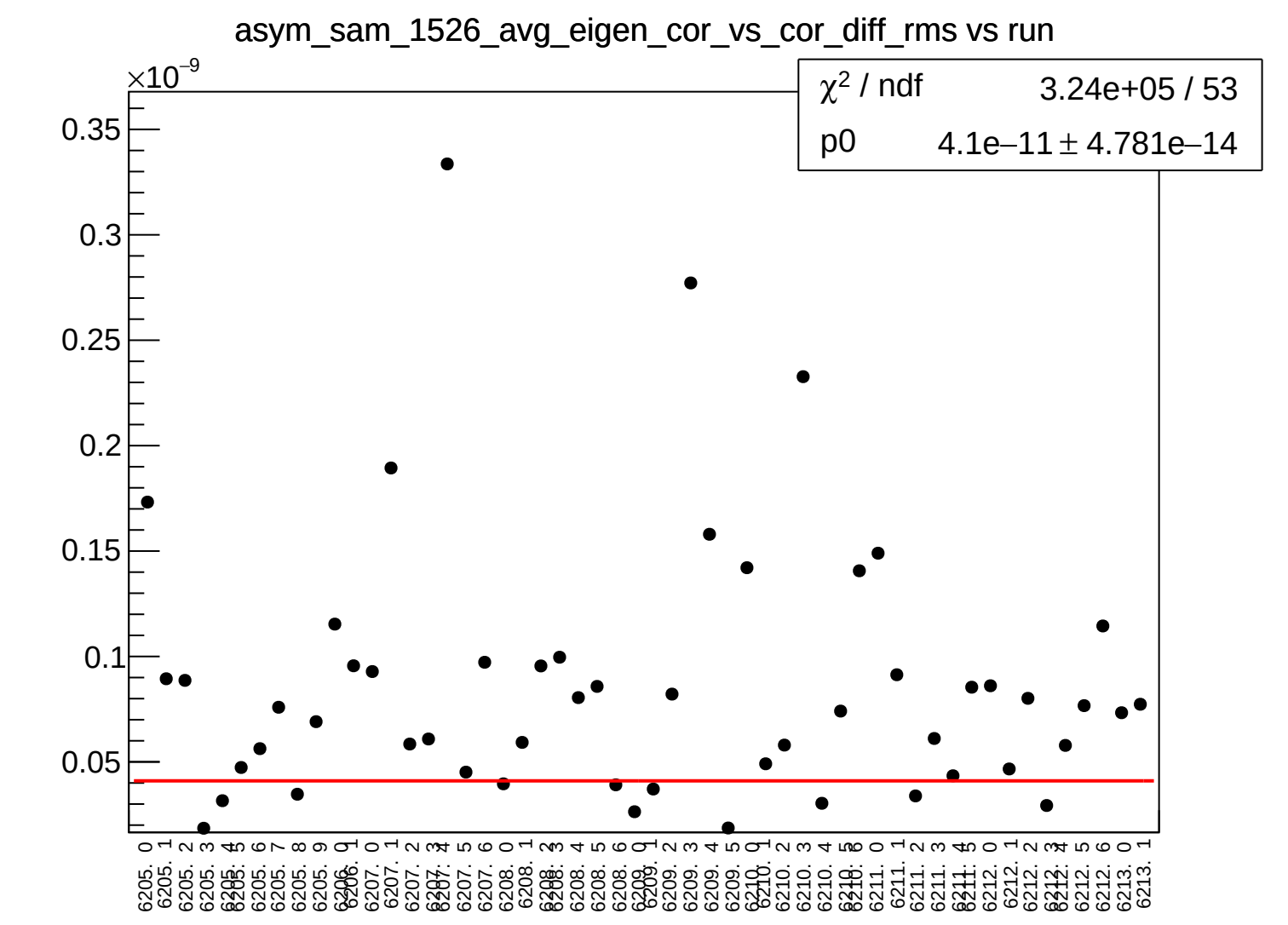

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 43.78 / 53
p0 0.01724 ± 0.02843
pull
Entries 54
Mean 70.82
Std Dev 0

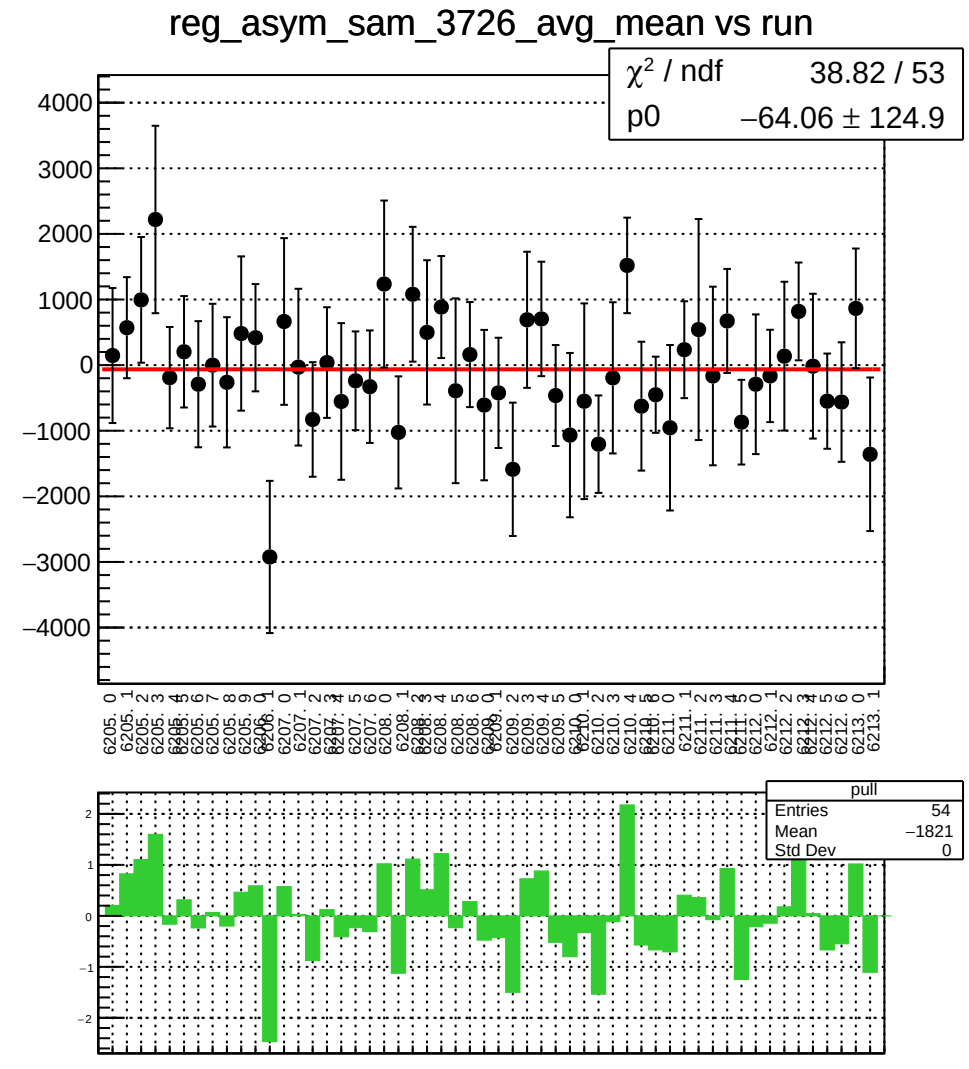

pull1D
Entries 54
Mean −0.02126
Std Dev 0.9002

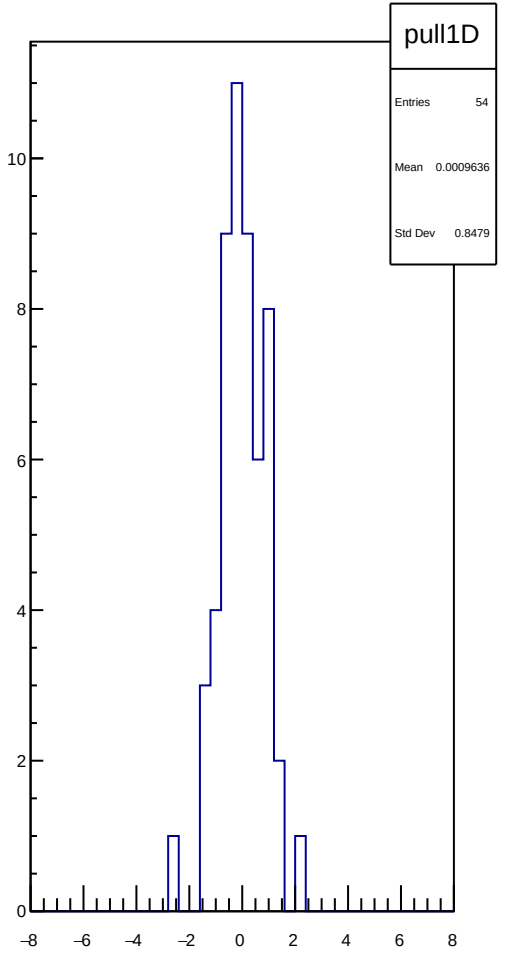

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.769e+05 / 53
p0 17.78 ± 0.0201
90
80
70
60
50
40
30
20
10
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 1
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

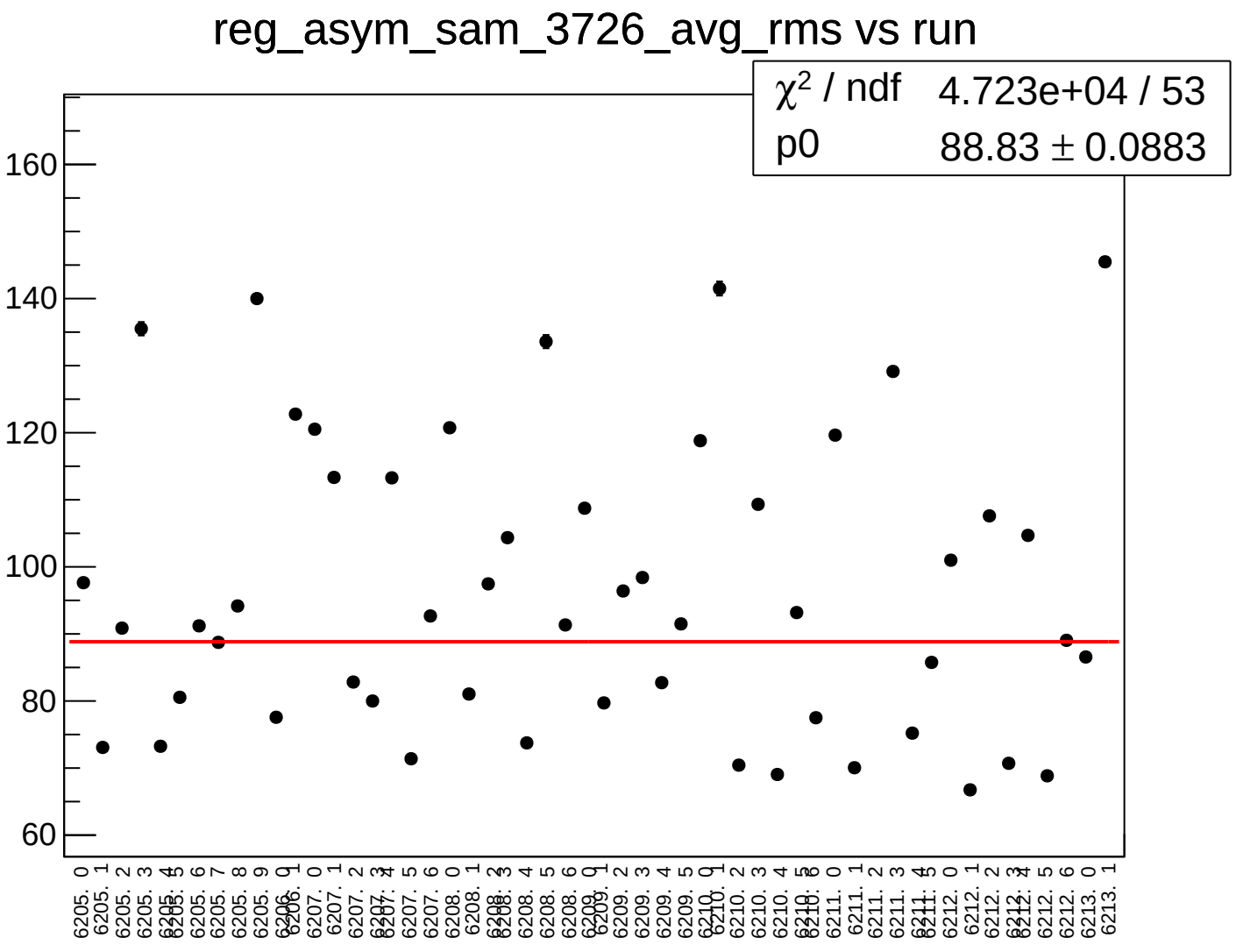

asym_sam_1526_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 50.99 / 53
p0 −5.919e−14 ± 6.761e−14
pull
Entries 54
Mean 74.58
Std Dev 0

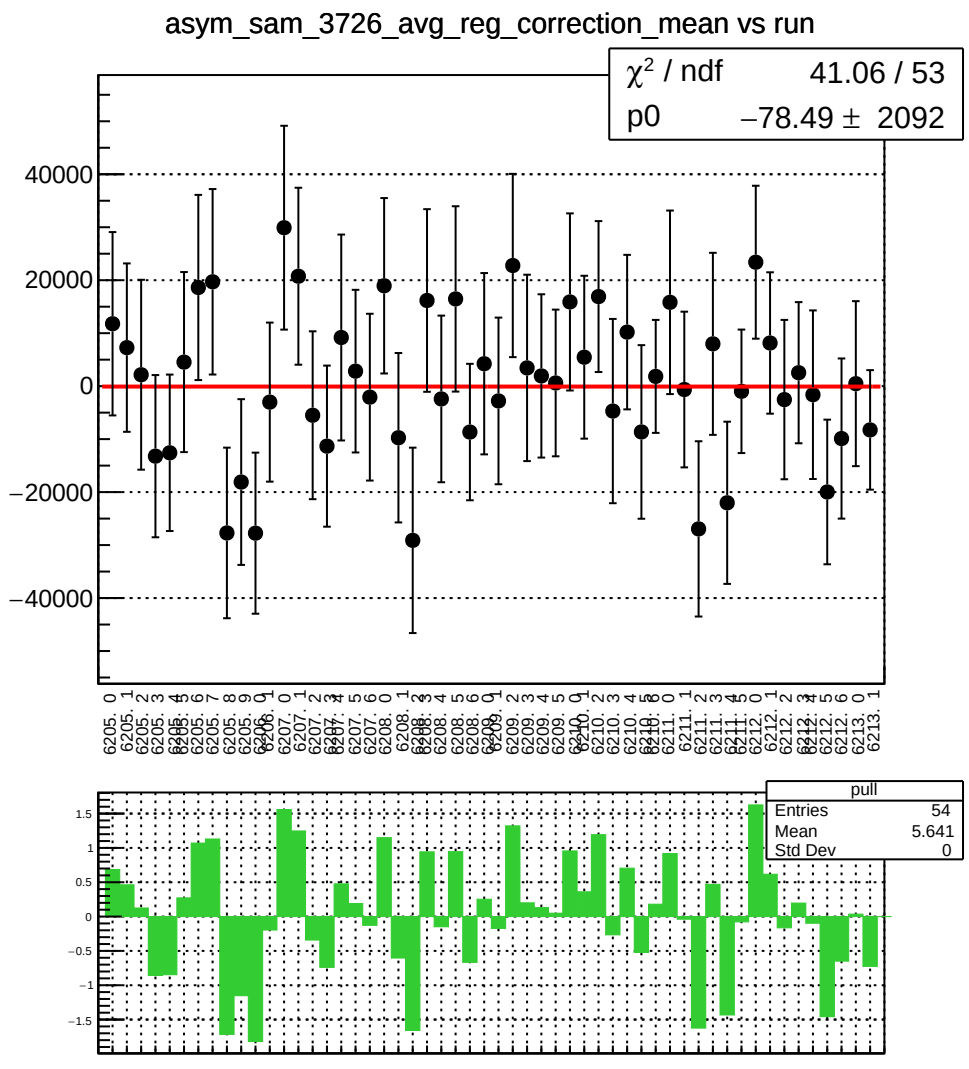

pull1D
Entries 54
Mean −0.04621
Std Dev 0.9706

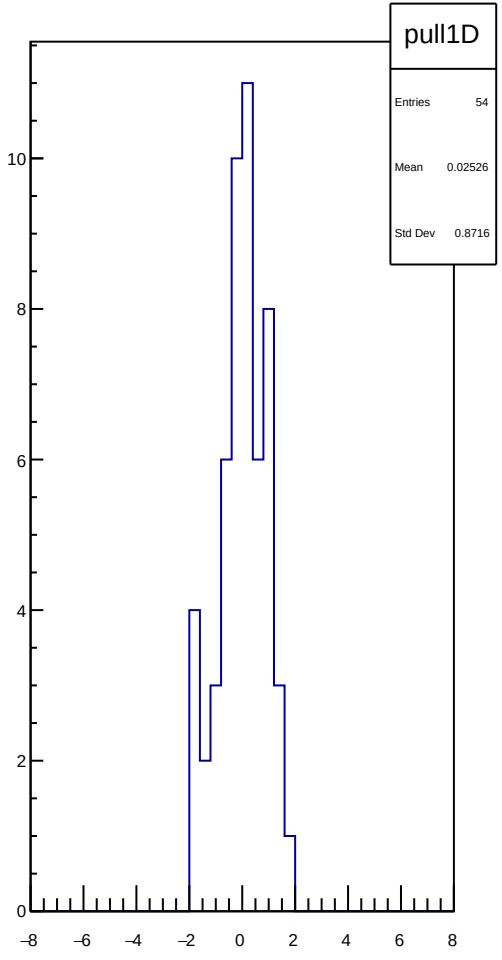

asym_sam_1526_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.24e+05 / 53
p0 4.1e−11 ± 4.781e−14
0.35
0.3
0.25
0.2
0.15
0.1
0.05
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

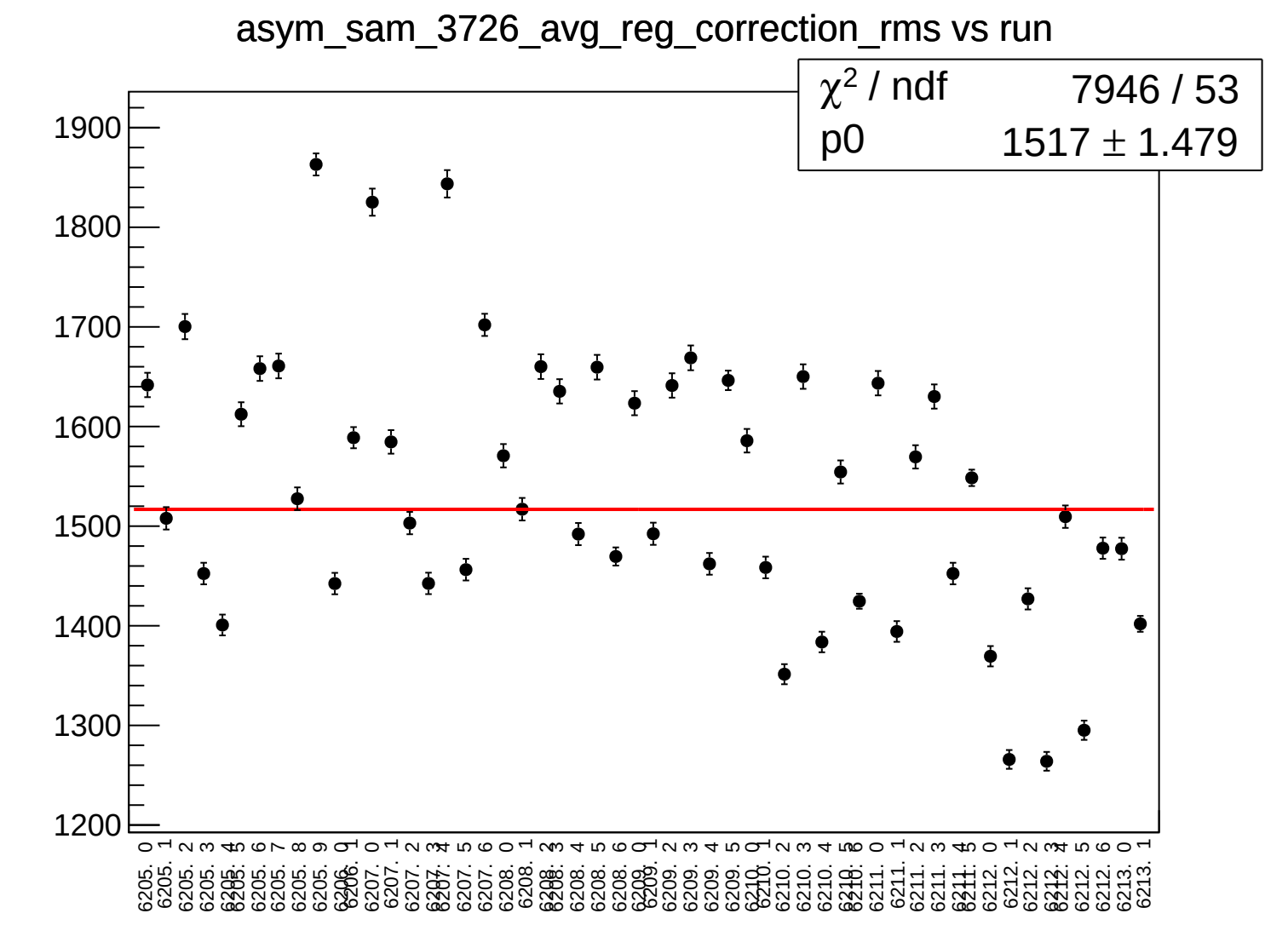

reg_asym_sam_3726_avg_mean vs run
χ² / ndf 38.82 / 53
p0 −64.06 ± 124.9
pull
Entries 54
Mean −1821
Std Dev 0

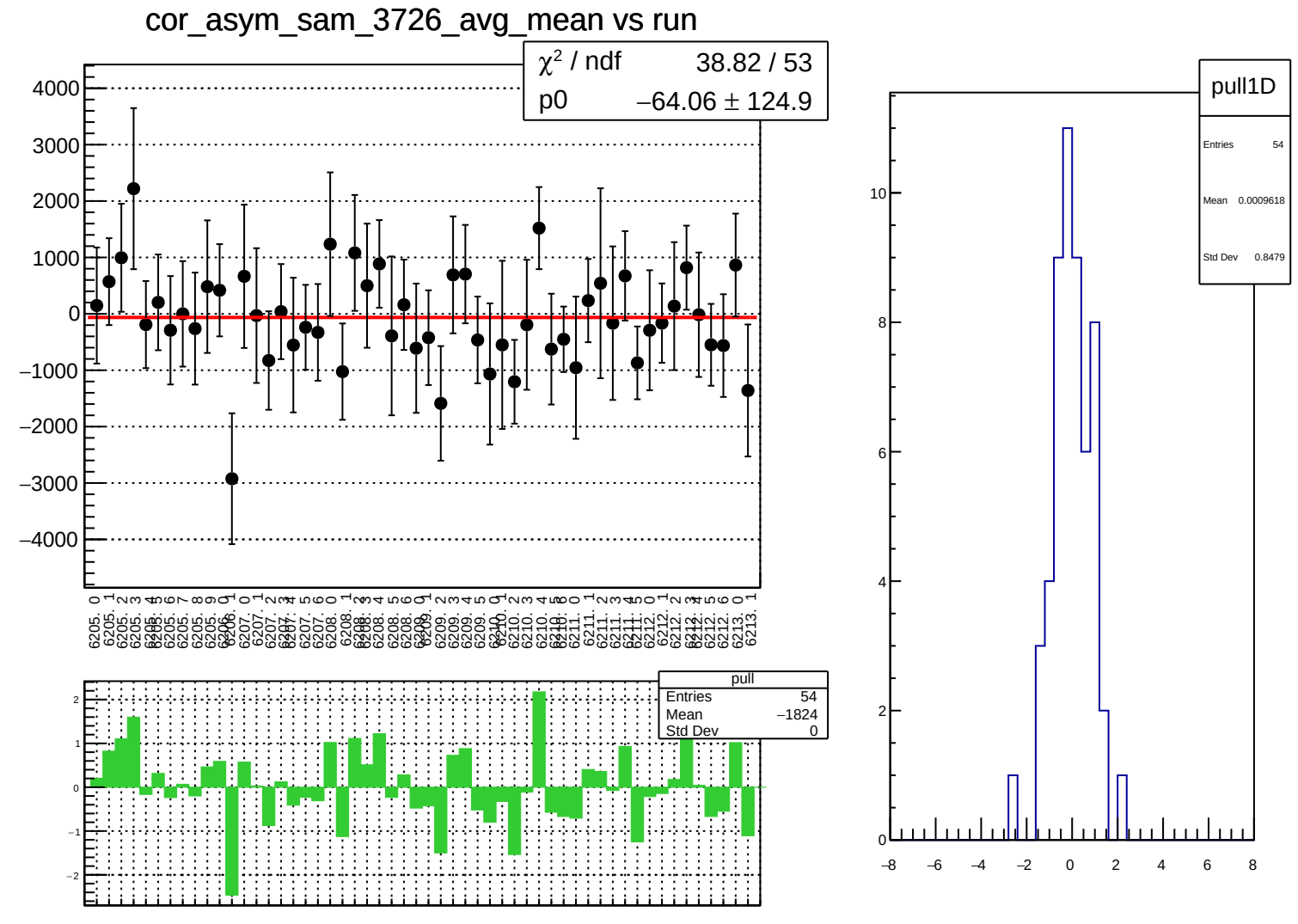

pull1D
Entries 54
Mean 0.0009636
Std Dev 0.8479

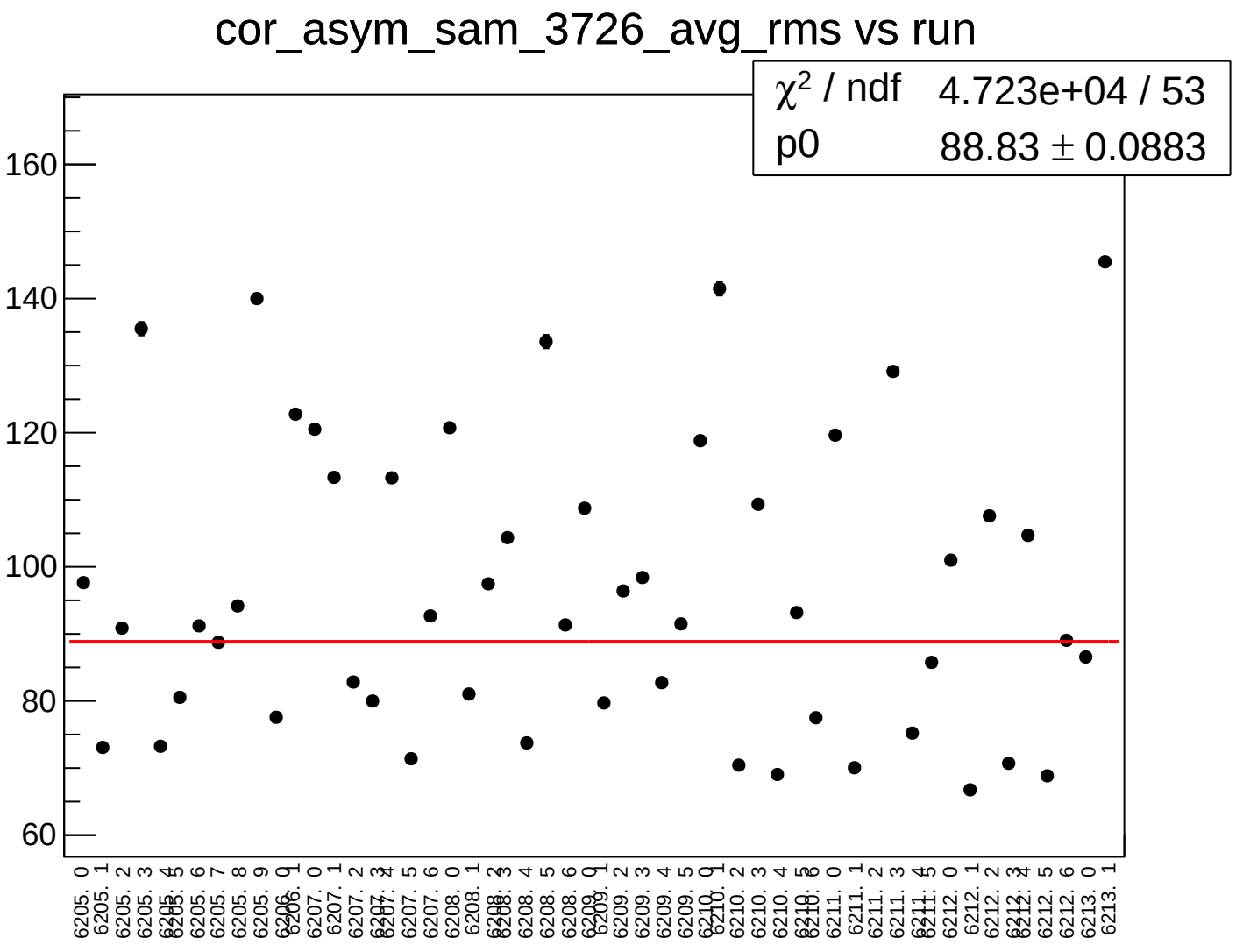

reg_asym_sam_3726_avg_rms vs run
χ² / ndf 4.723e+04 / 53
p0 88.83 ± 0.0883
160
140
120
100
80
60
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_sam_3726_avg_reg_correction_mean vs run
χ² / ndf 41.06 / 53
p0 −78.49 ± 2092
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 5.641
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 54
Mean 0.02526
Std Dev 0.8716
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_3726_avg_reg_correction_rms vs run
χ² / ndf 7946 / 53
p0 1517 ± 1.479
1900
1800
1700
1600
1500
1400
1300
1200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


cor_asym_sam_3726_avg_mean vs run
χ² / ndf 38.82 / 53
p0 −64.06 ± 124.9
pull
Entries 54
Mean −1824
Std Dev 0
pull1D
Entries 54
Mean 0.0009618
Std Dev 0.8479


cor_asym_sam_3726_avg_rms vs run
χ² / ndf 4.723e+04 / 53
p0 88.83 ± 0.0883
160
140
120
100
80
60
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
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6207. 6
6208. 0
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6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
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6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
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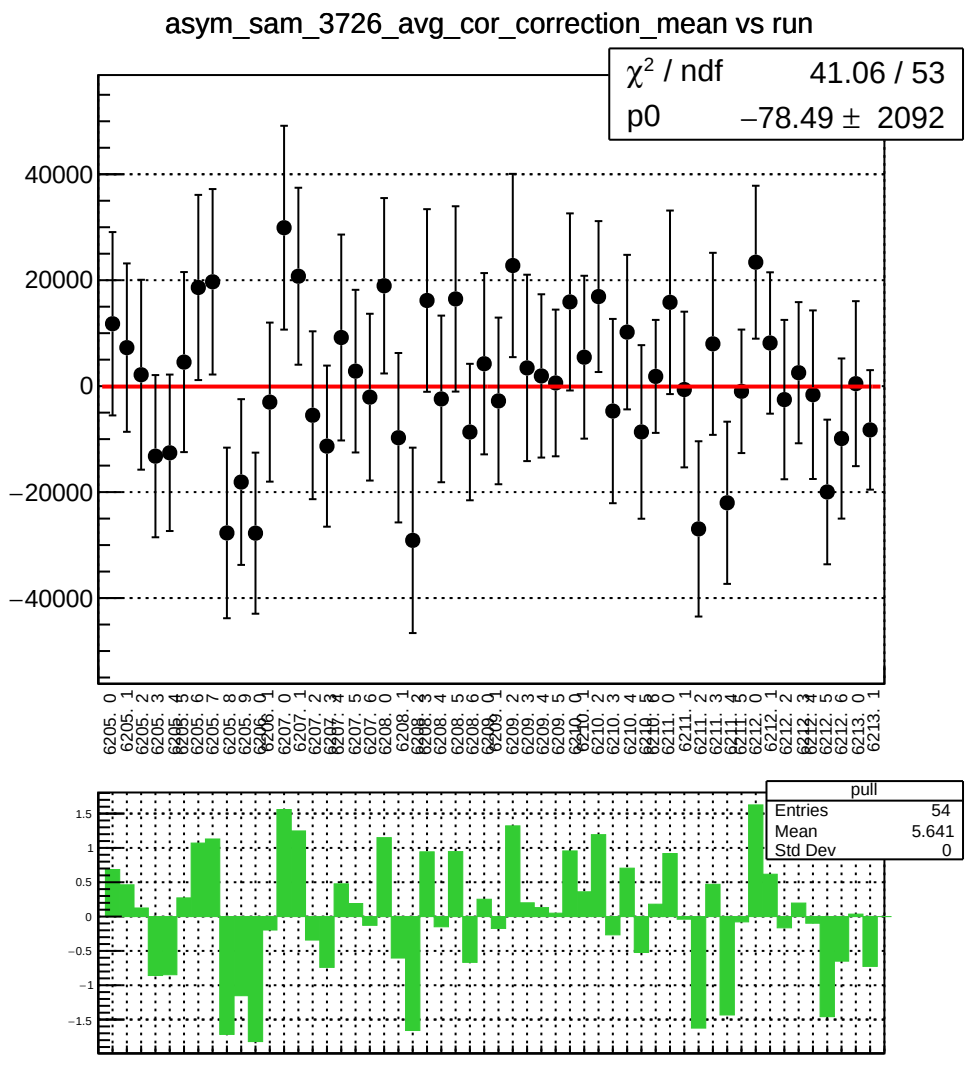
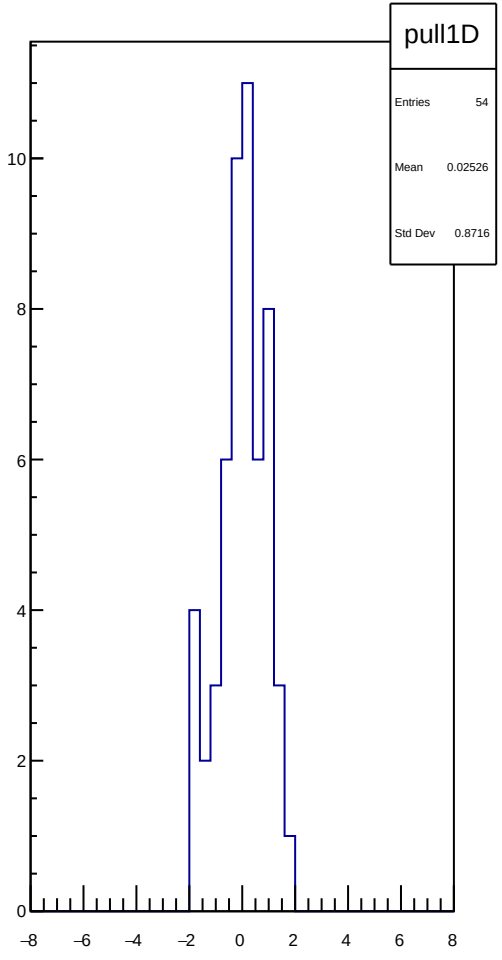
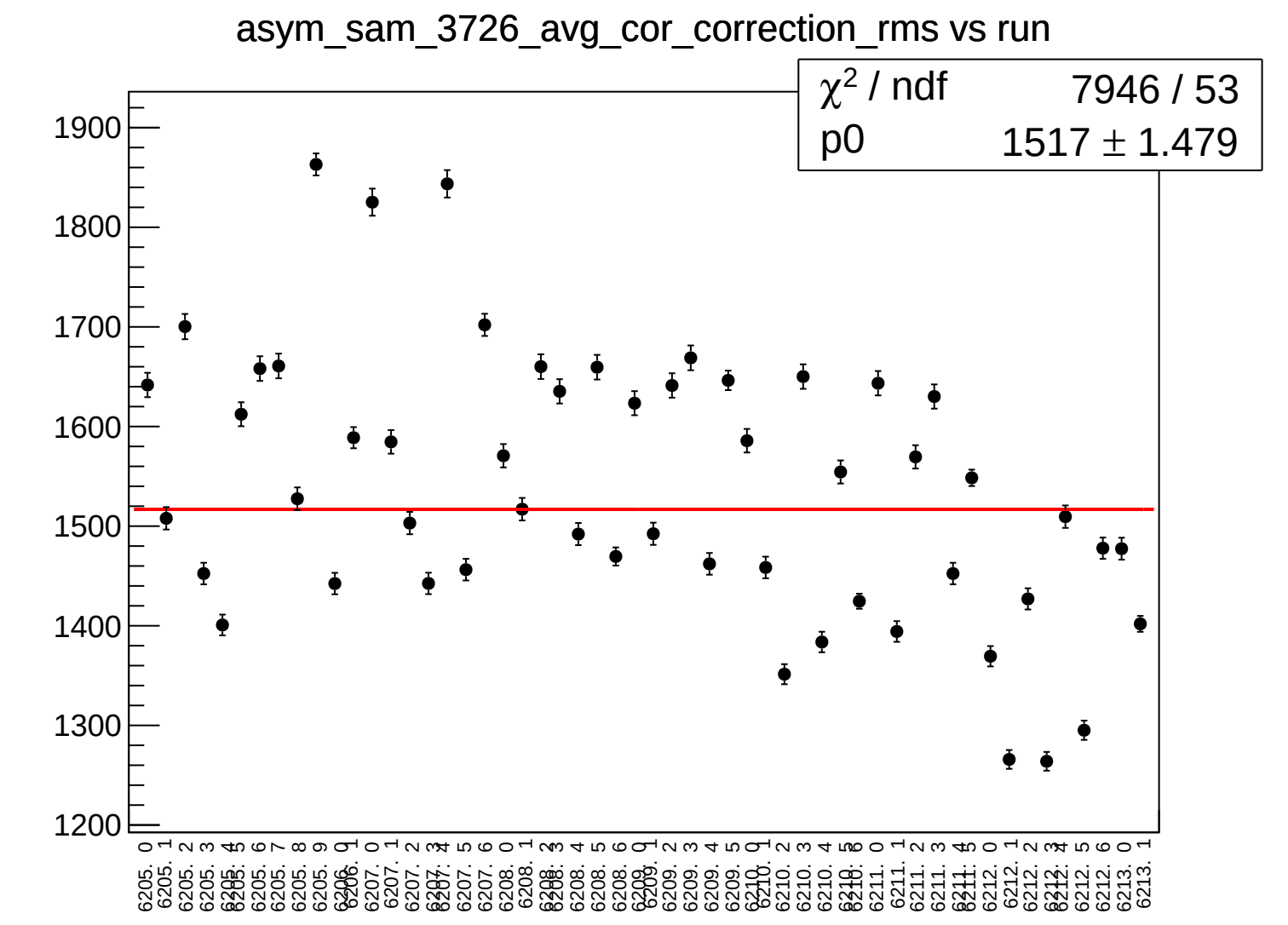
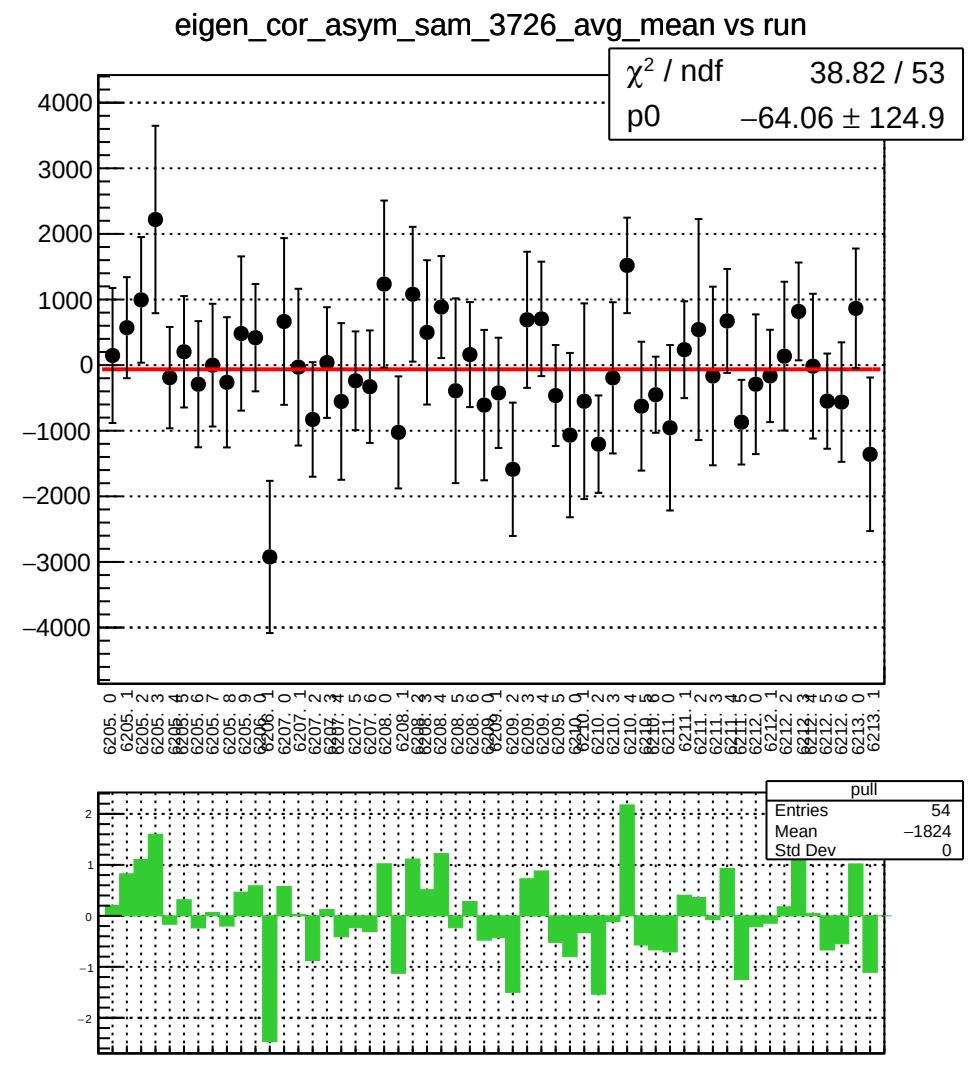
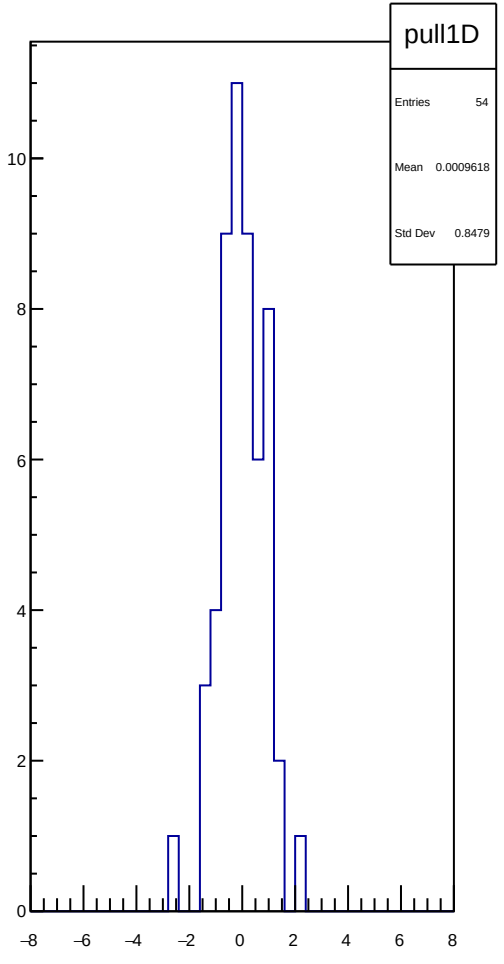
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

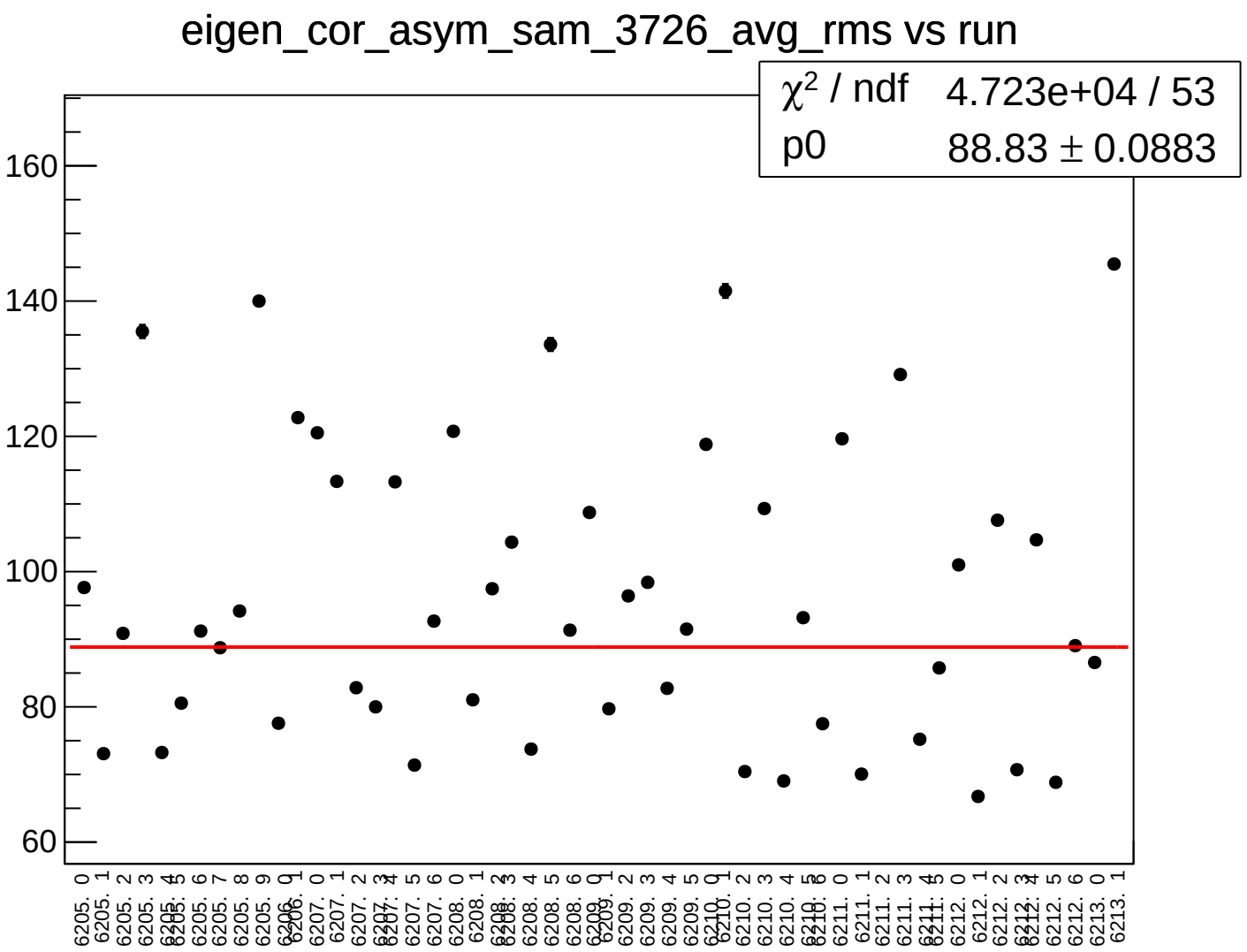

asym_sam_3726_avg_cor_correction_mean vs run
χ² / ndf 41.06 / 53
p0 −78.49 ± 2092
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 5.641
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 54
Mean 0.02526
Std Dev 0.8716
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_3726_avg_cor_correction_rms vs run
χ² / ndf 7946 / 53
p0 1517 ± 1.479
1900
1800
1700
1600
1500
1400
1300
1200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


eigen_cor_asym_sam_3726_avg_mean vs run
χ² / ndf 38.82 / 53
p0 −64.06 ± 124.9
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
pull
Entries 54
Mean −1824
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 54
Mean 0.0009618
Std Dev 0.8479
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_sam_3726_avg_rms vs run
χ² / ndf 4.723e+04 / 53
p0 88.83 ± 0.0883
160
140
120
100
80
60
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
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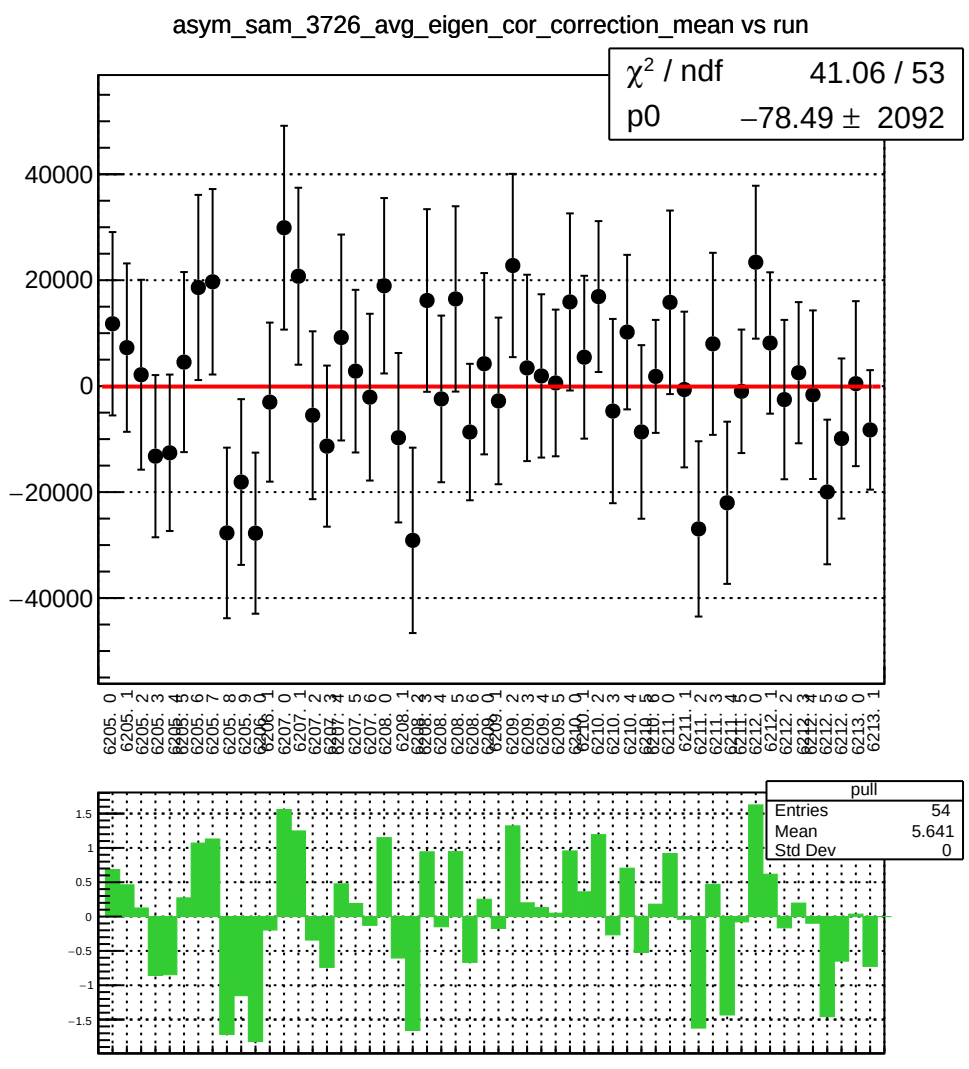
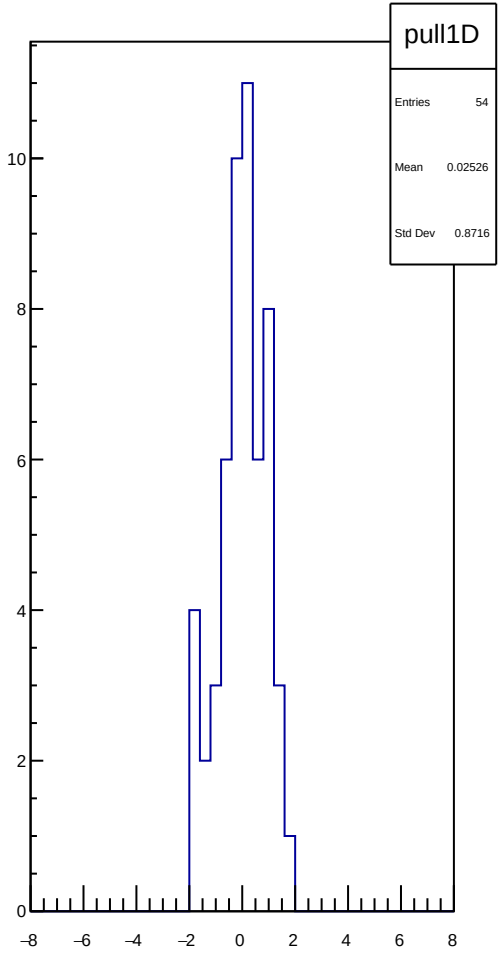
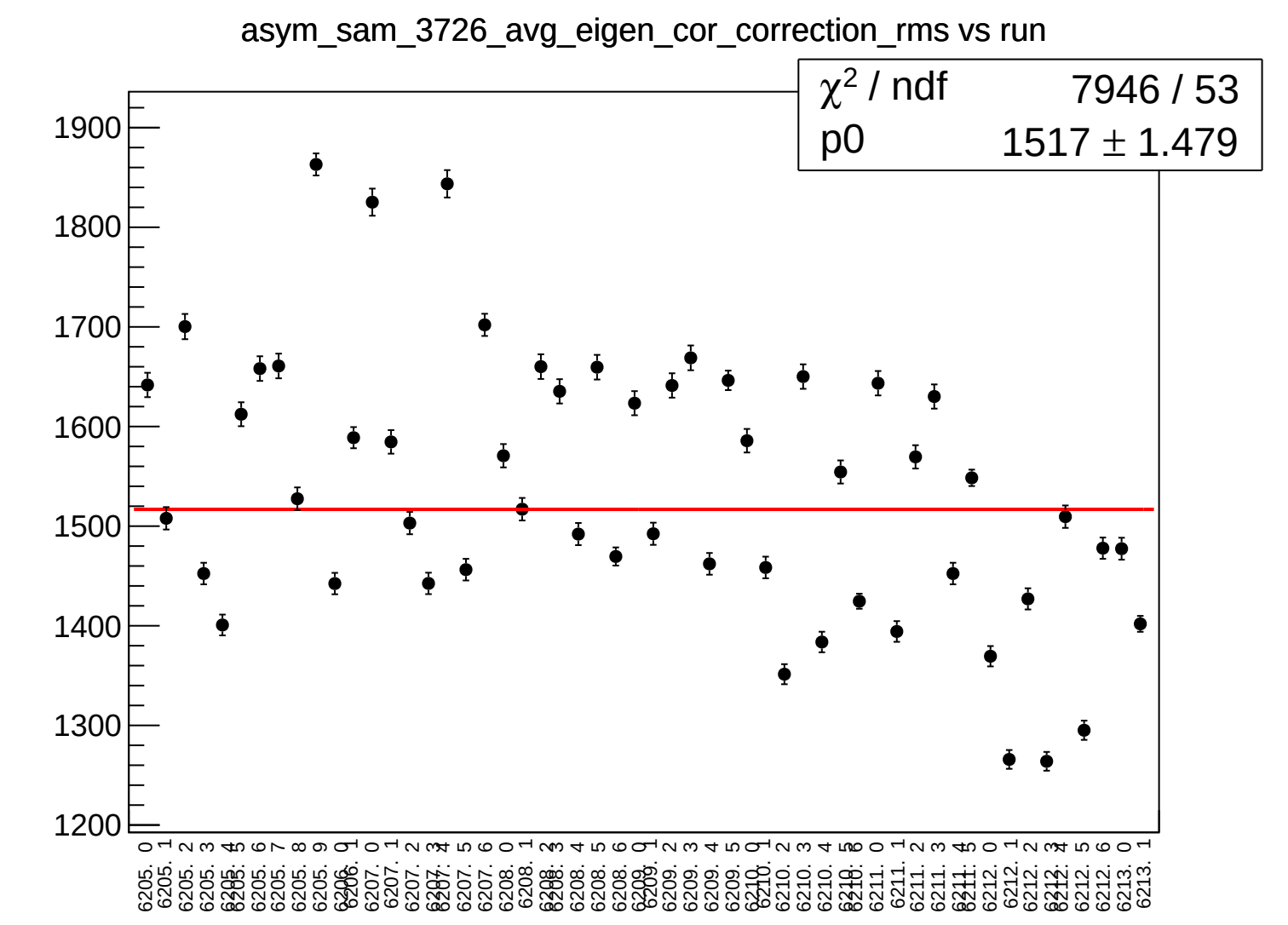
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_sam_3726_avg_eigen_cor_correction_mean vs run
χ² / ndf 41.06 / 53
p0 −78.49 ± 2092
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 5.641
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 54
Mean 0.02526
Std Dev 0.8716
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_3726_avg_eigen_cor_correction_rms vs run
χ² / ndf 7946 / 53
p0 1517 ± 1.479
1900
1800
1700
1600
1500
1400
1300
1200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
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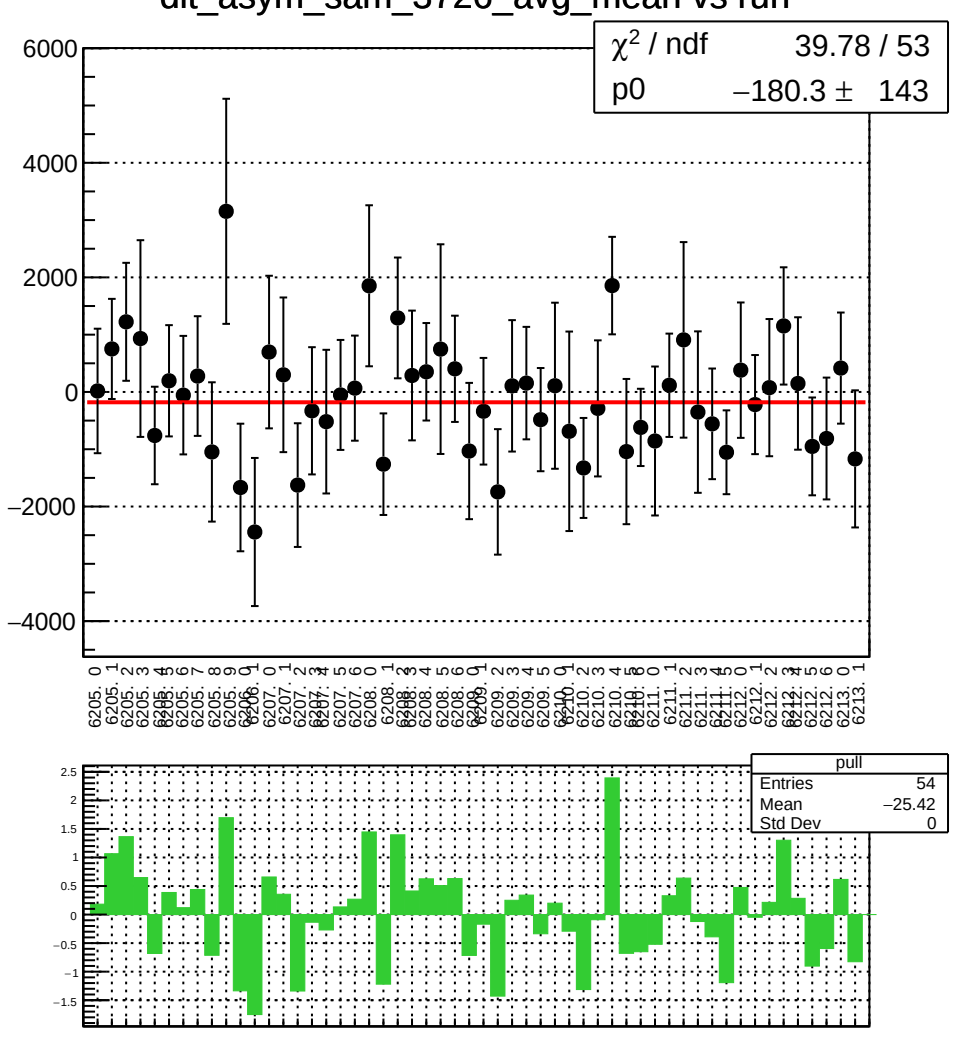
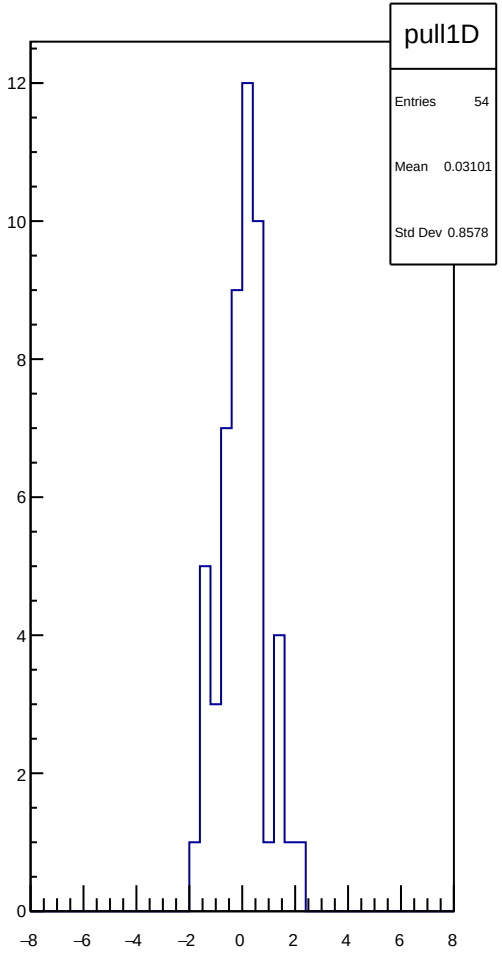
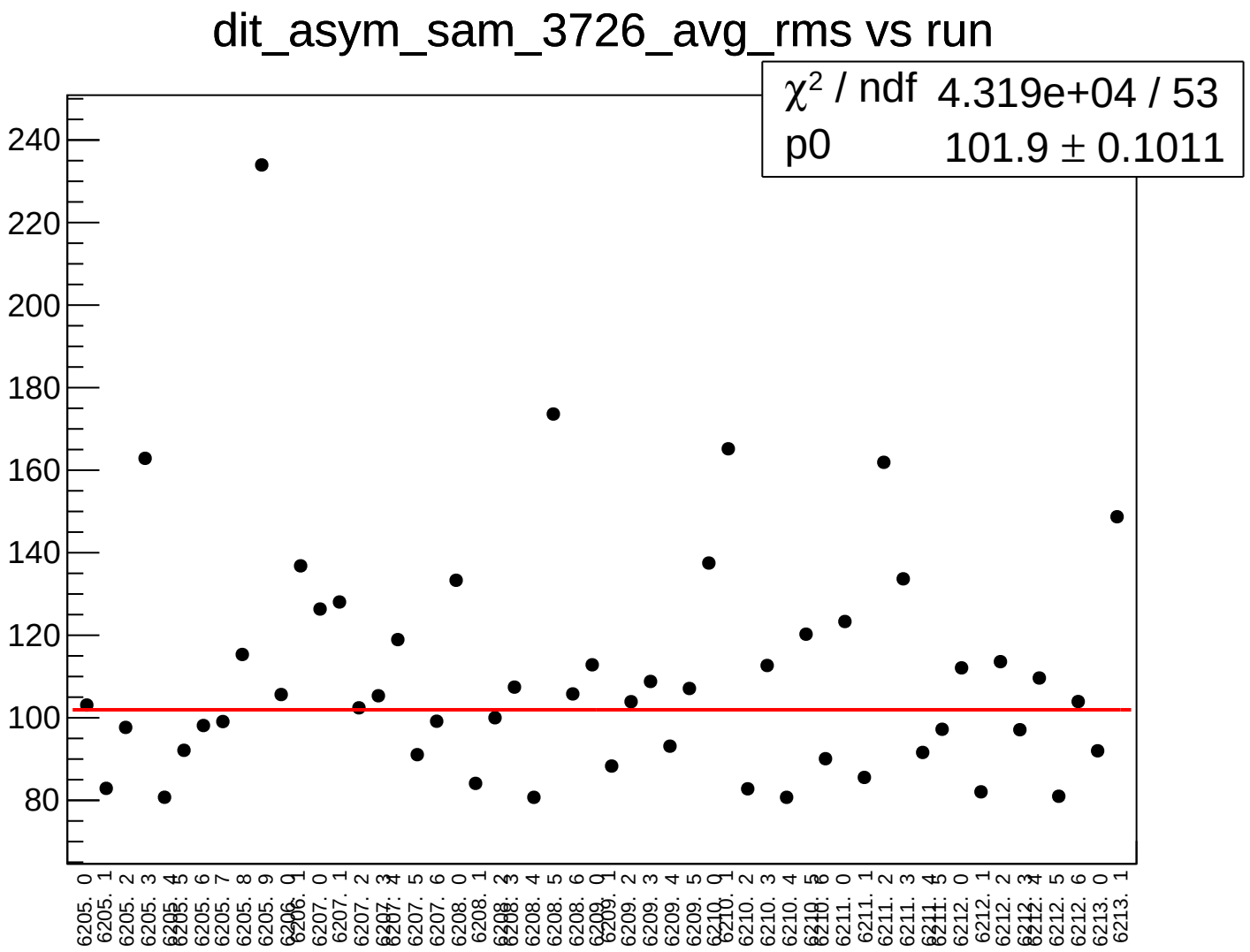
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


dit_asym_sam_3726_avg_mean vs run
χ² / ndf 39.78 / 53
p0 −180.3 ± 143
pull
Entries 54
Mean −25.42
Std Dev 0


pull1D
Entries 54
Mean 0.03101
Std Dev 0.8578


dit_asym_sam_3726_avg_rms vs run
χ² / ndf 4.319e+04 / 53
p0 101.9 ± 0.1011
240
220
200
180
160
140
120
100
80
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
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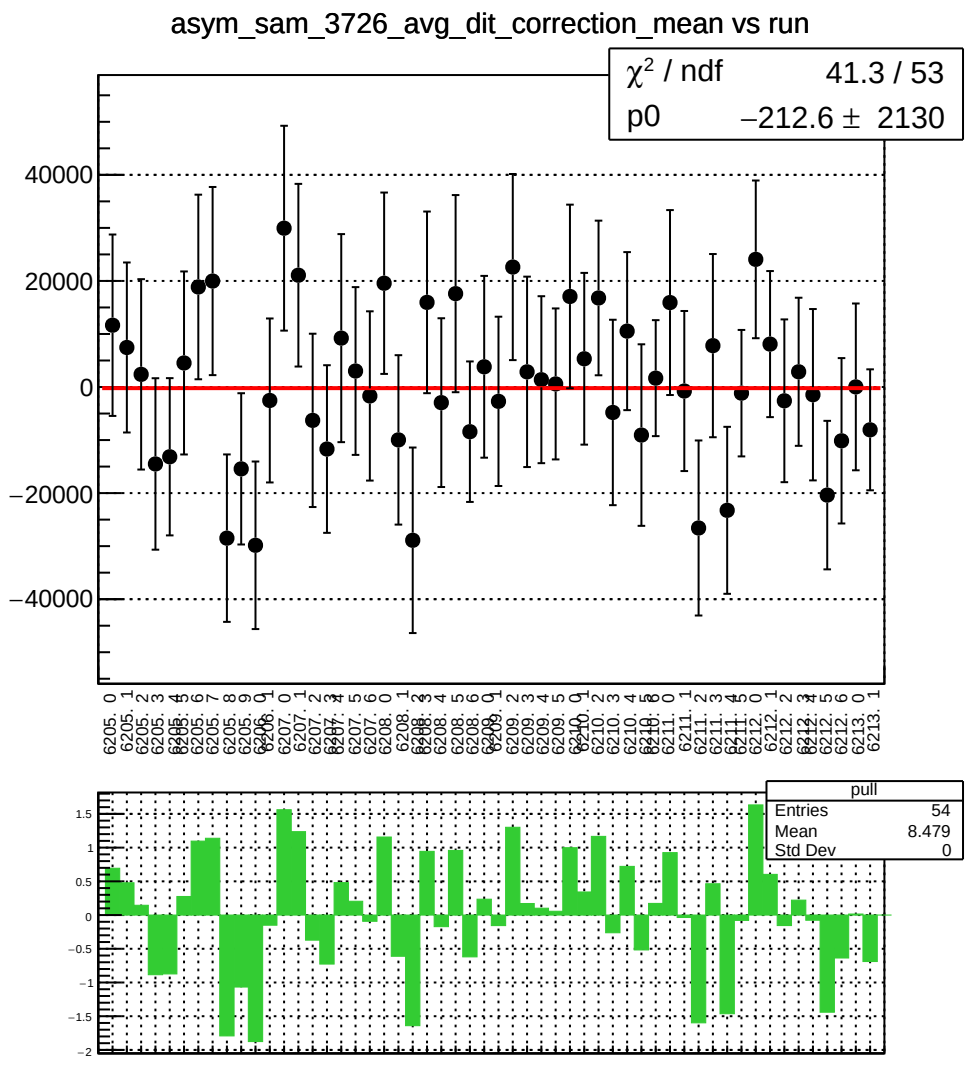
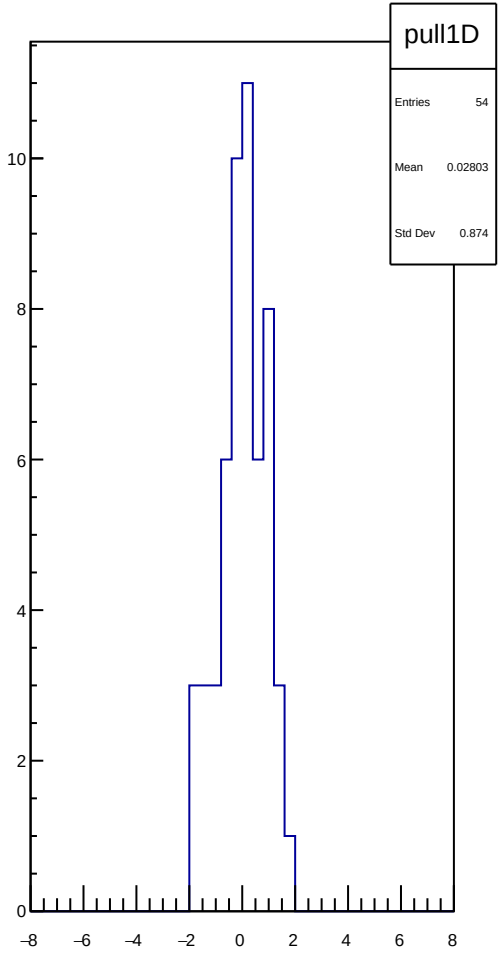
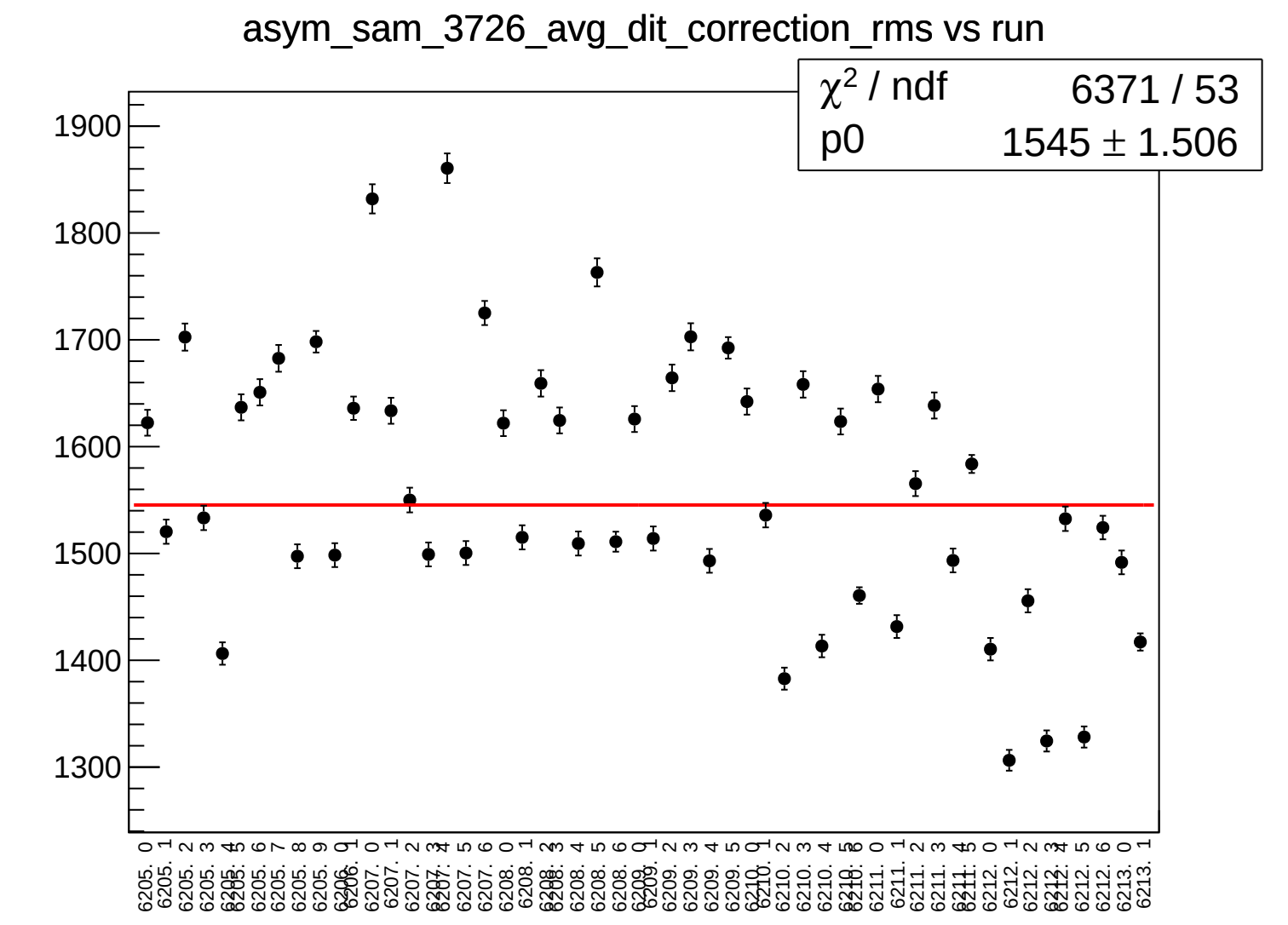
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_sam_3726_avg_dit_correction_mean vs run
χ² / ndf 41.3 / 53
p0 −212.6 ± 2130
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 8.479
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 54
Mean 0.02803
Std Dev 0.874
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_3726_avg_dit_correction_rms vs run
χ² / ndf 6371 / 53
p0 1545 ± 1.506
1900
1800
1700
1600
1500
1400
1300
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
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6208. 0
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6210. 6
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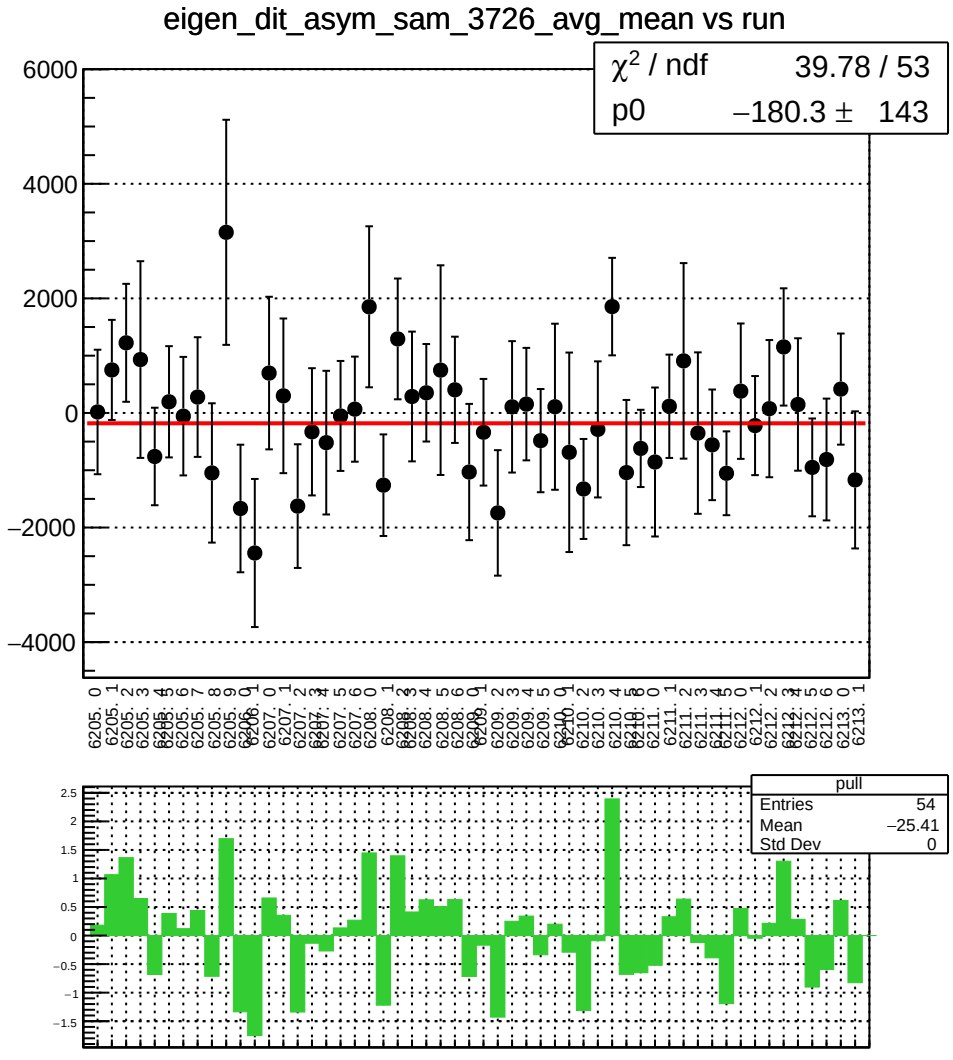
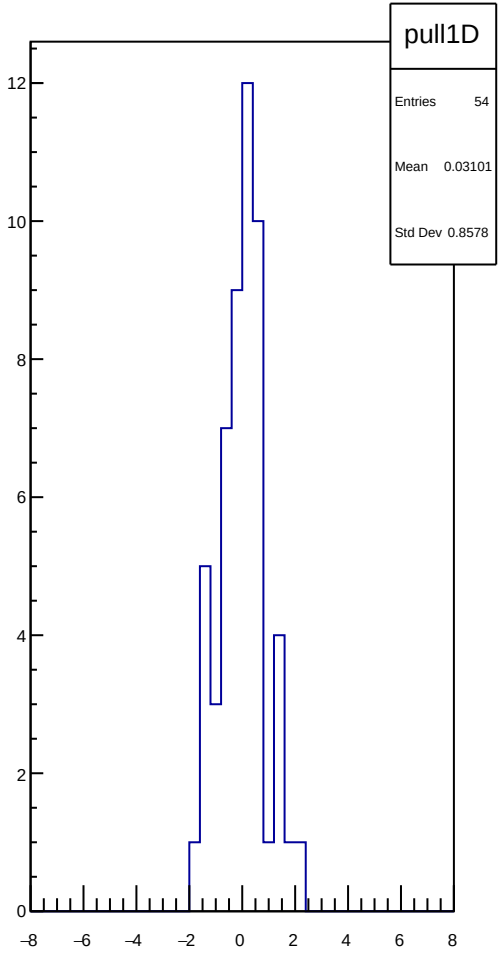
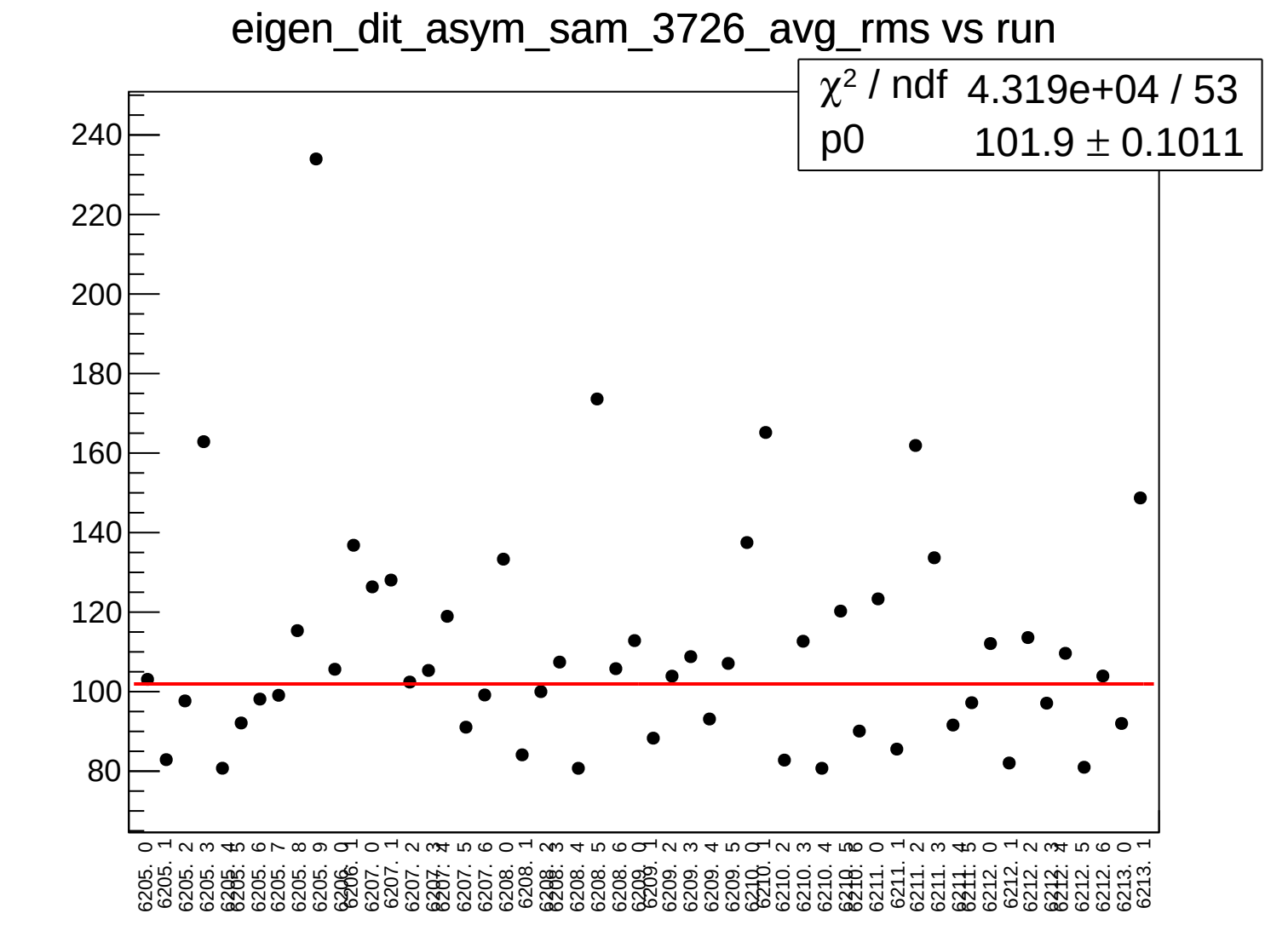
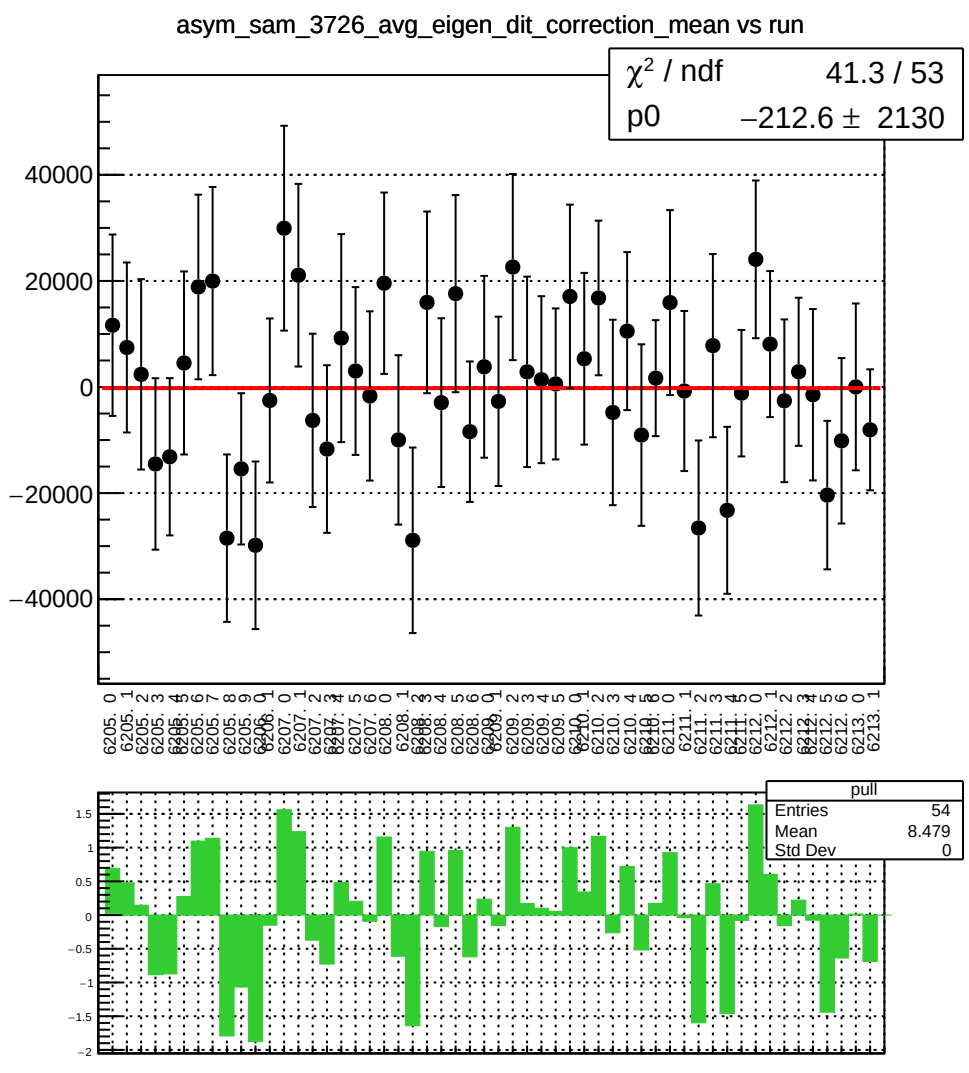
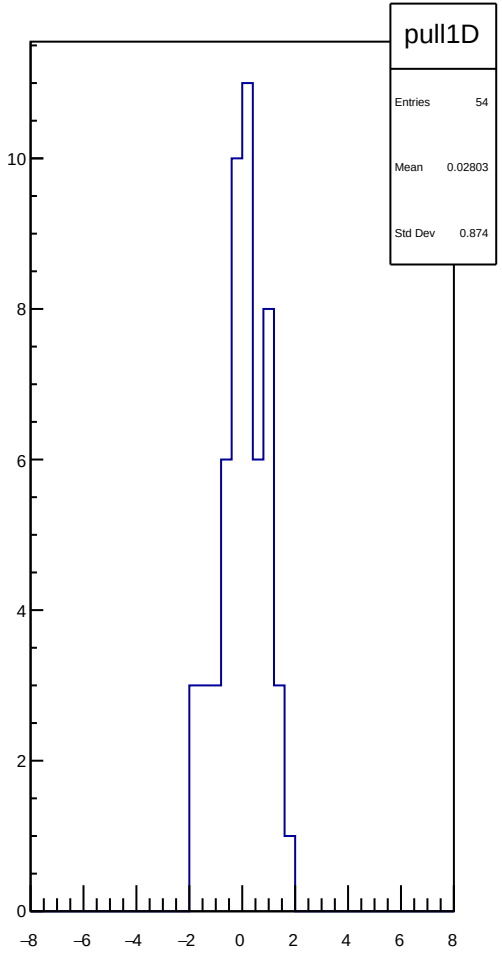
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

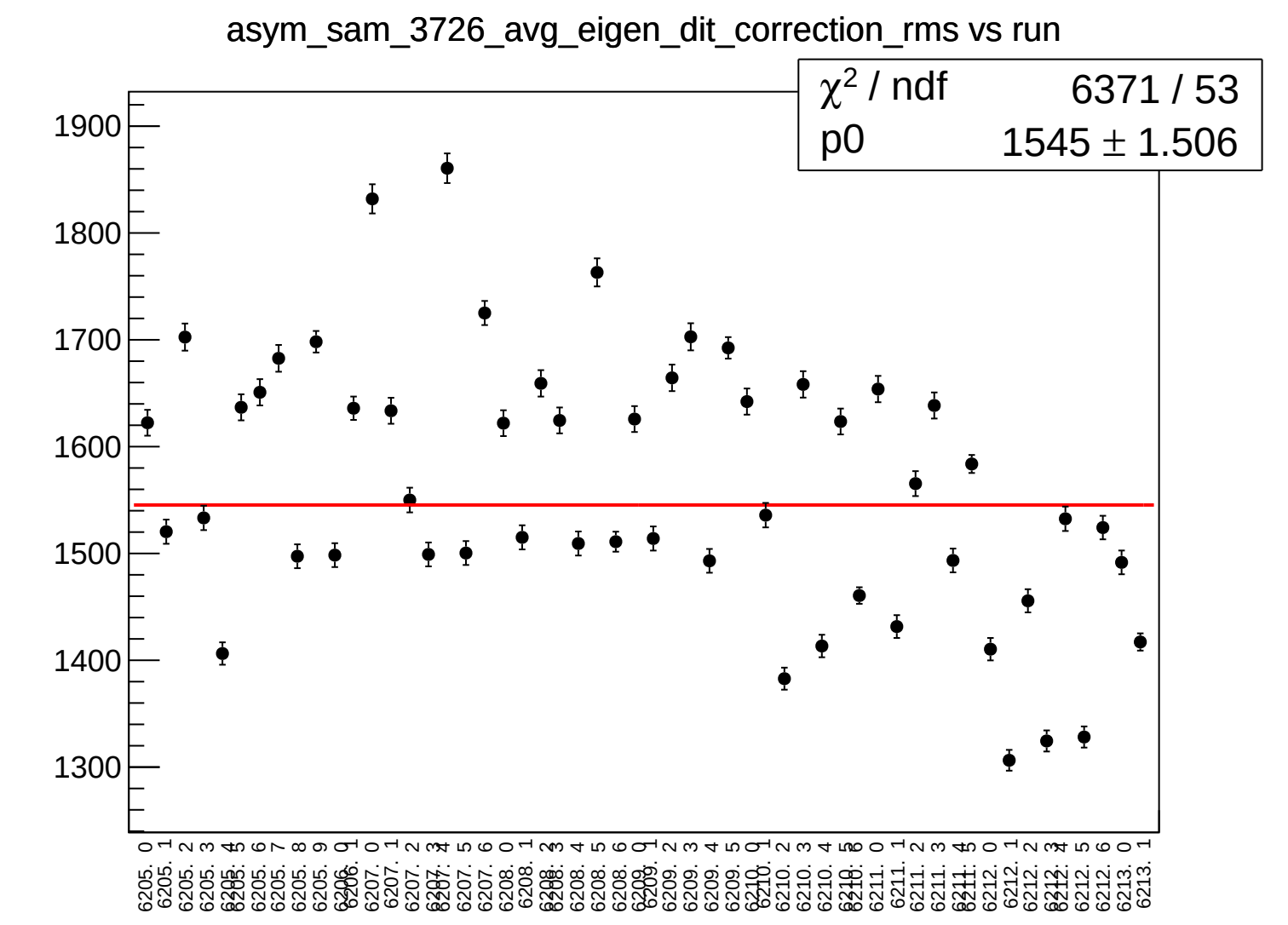

eigen_dit_asym_sam_3726_avg_mean vs run
χ² / ndf 39.78 / 53
p0 −180.3 ± 143
pull
Entries 54
Mean −25.41
Std Dev 0

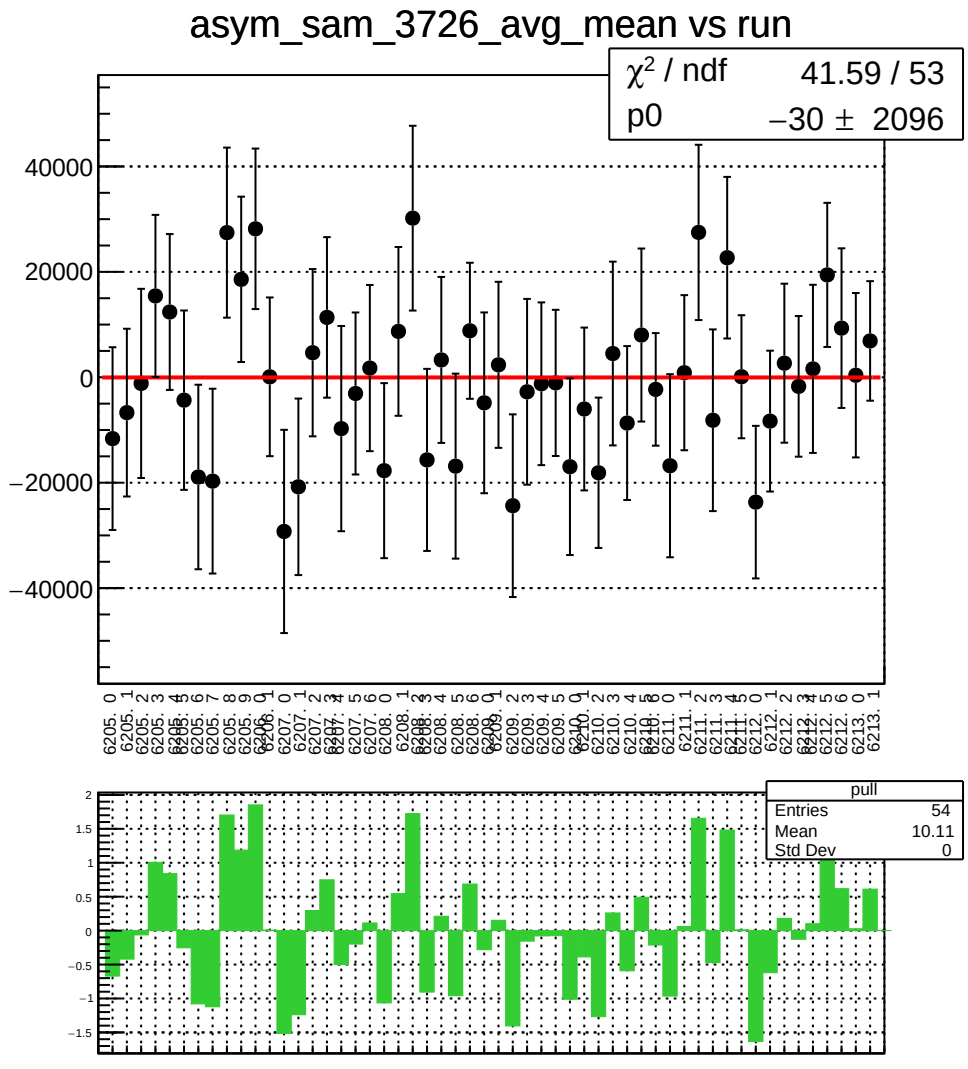

pull1D
Entries 54
Mean 0.03101
Std Dev 0.8578

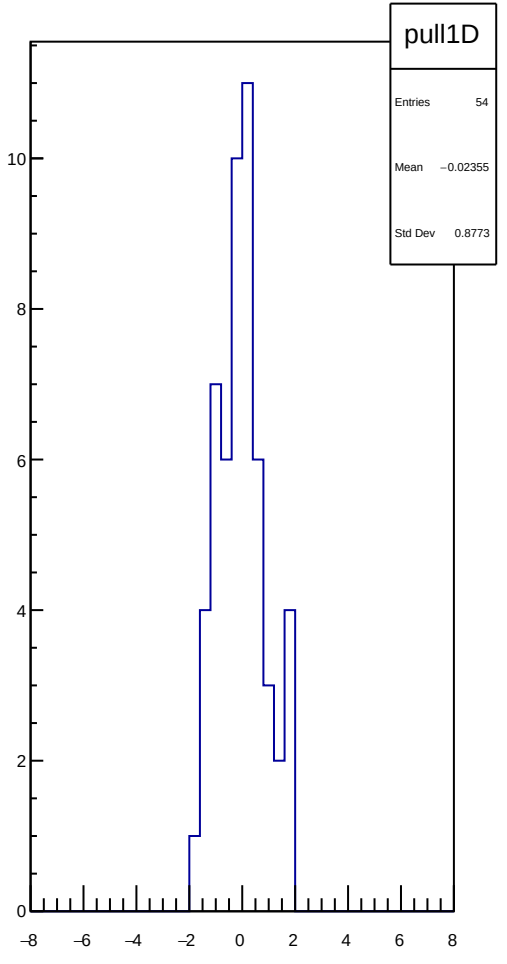

eigen_dit_asym_sam_3726_avg_rms vs run
χ² / ndf 4.319e+04 / 53
p0 101.9 ± 0.1011
240
220
200
180
160
140
120
100
80
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

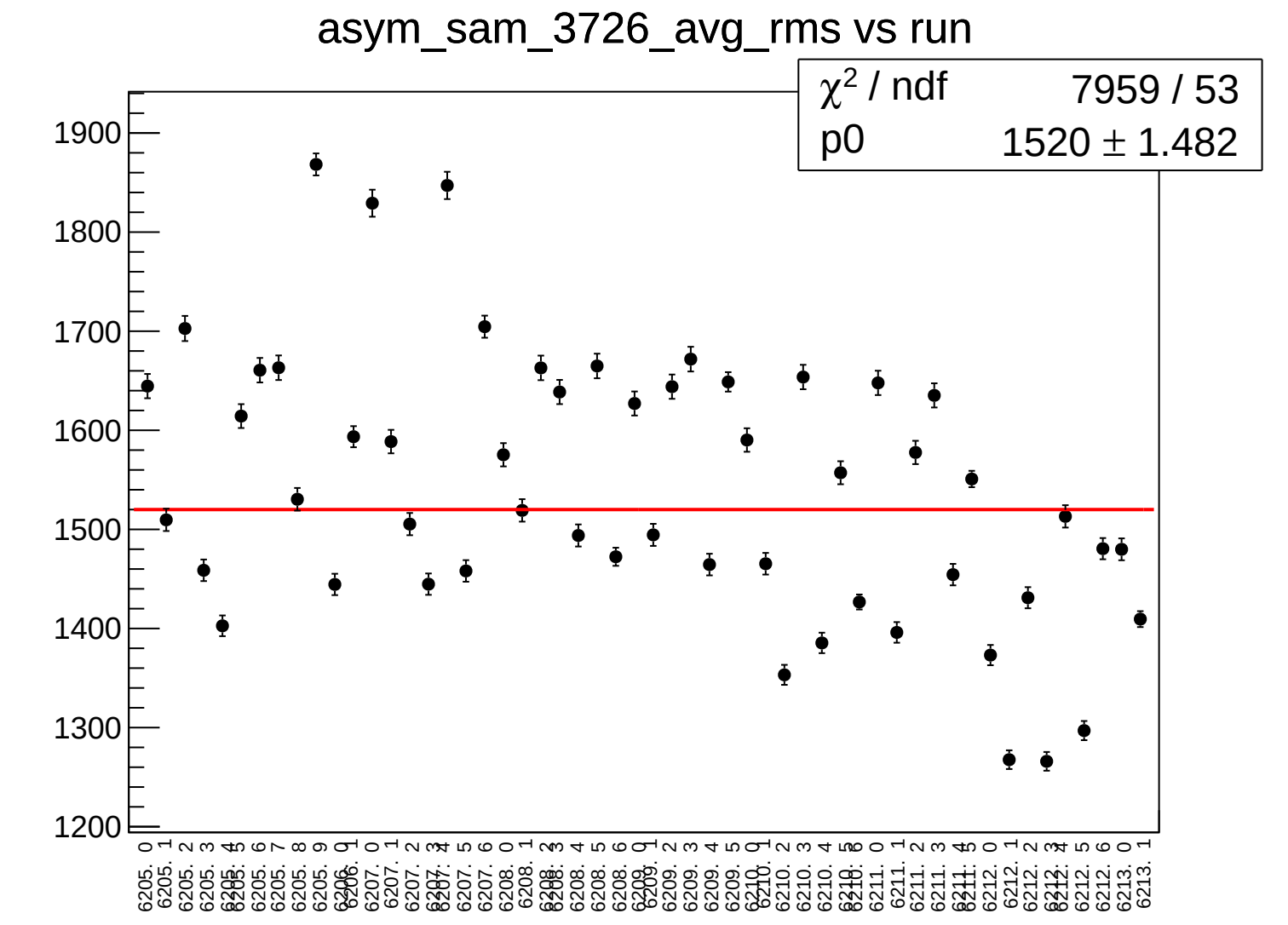

asym_sam_3726_avg_eigen_dit_correction_mean vs run
χ² / ndf 41.3 / 53
p0 −212.6 ± 2130
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 8.479
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

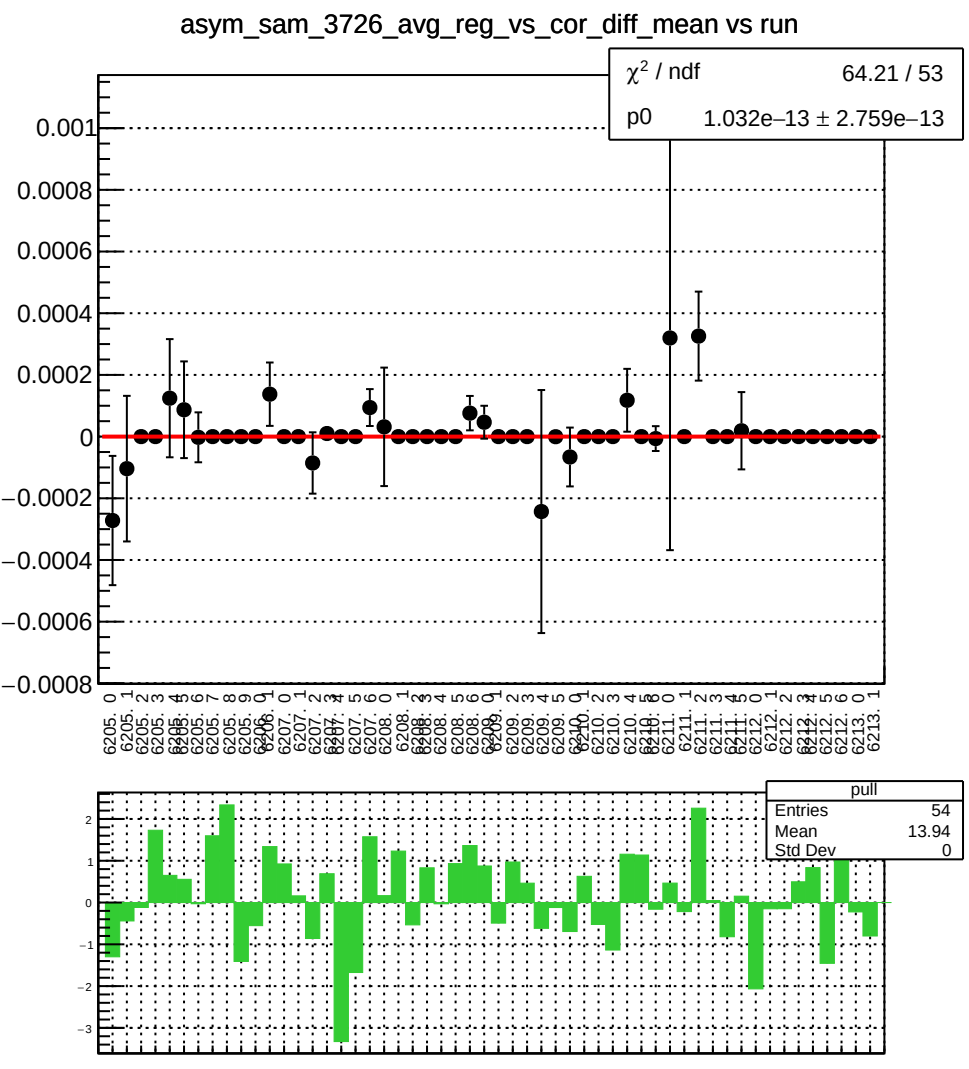

pull1D
Entries 54
Mean 0.02803
Std Dev 0.874
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

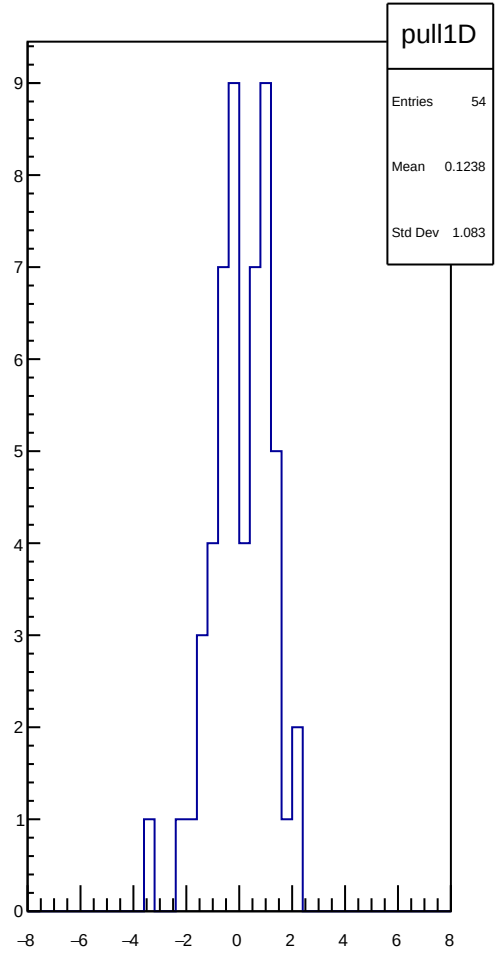

asym_sam_3726_avg_eigen_dit_correction_rms vs run
χ² / ndf 6371 / 53
p0 1545 ± 1.506
1900
1800
1700
1600
1500
1400
1300
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

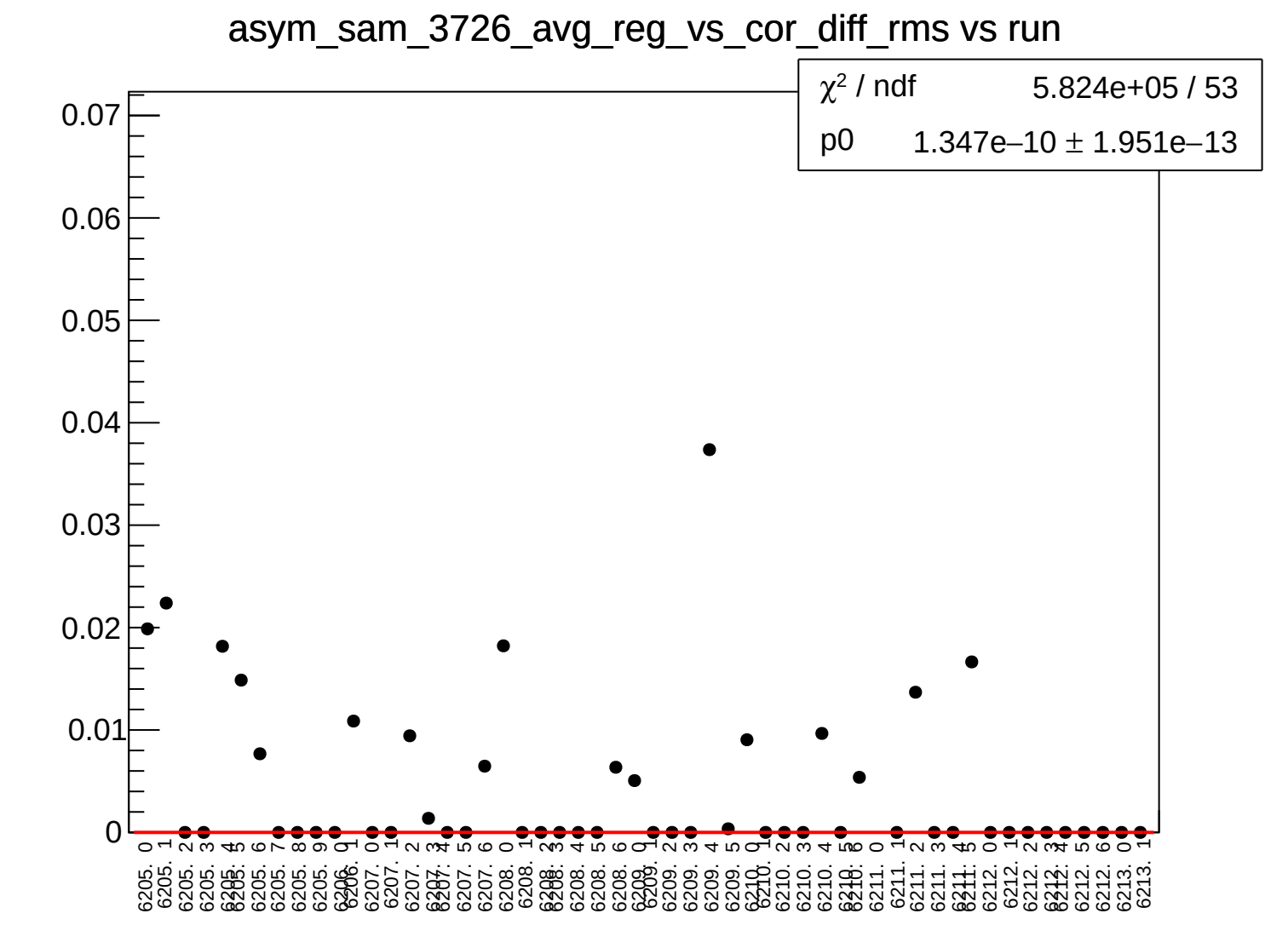

asym_sam_3726_avg_mean vs run
χ² / ndf 41.59 / 53
p0 −30 ± 2096
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 10.11
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

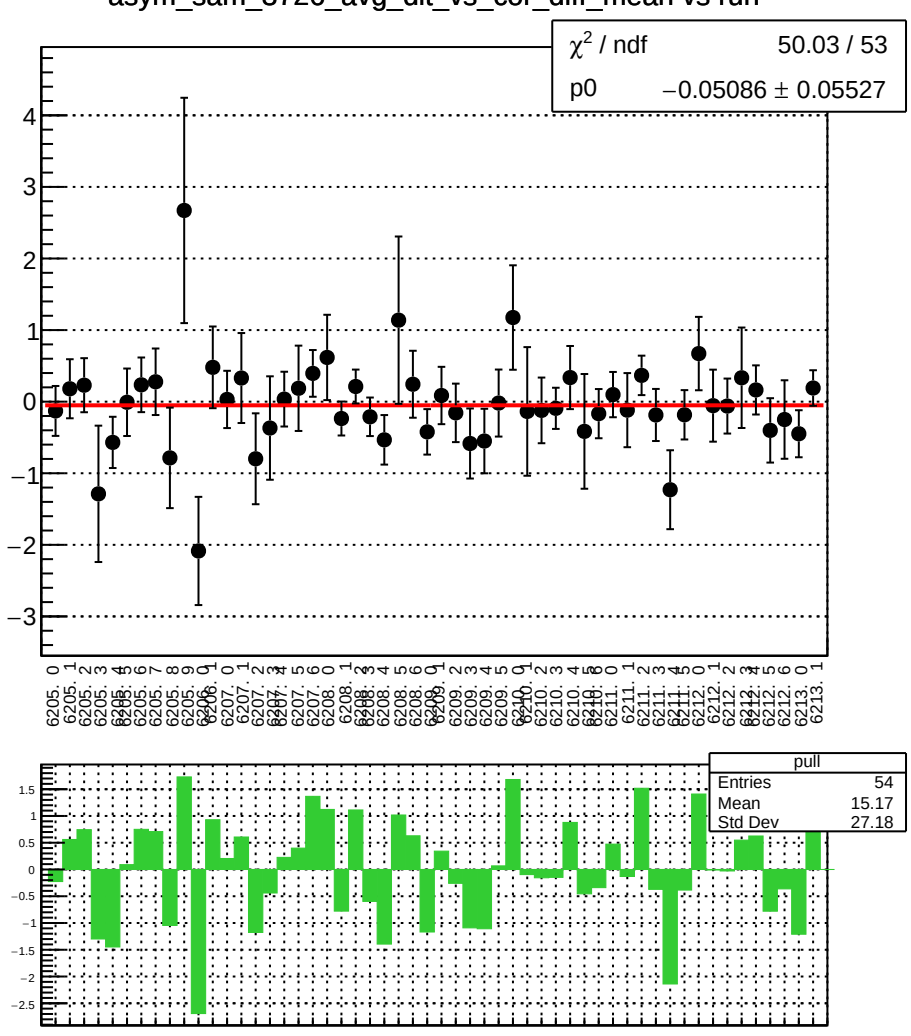

pull1D
Entries 54
Mean −0.02355
Std Dev 0.8773
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

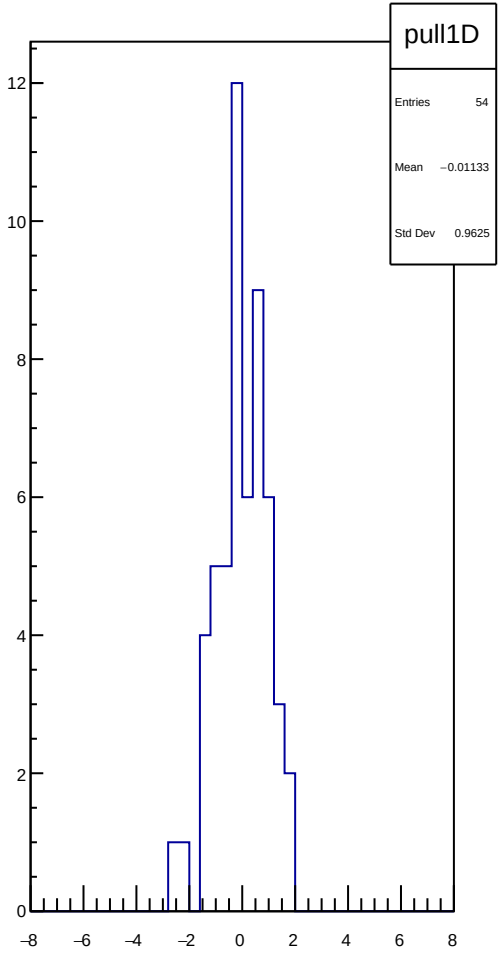

asym_sam_3726_avg_rms vs run
χ² / ndf 7959 / 53
p0 1520 ± 1.482
1900
1800
1700
1600
1500
1400
1300
1200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

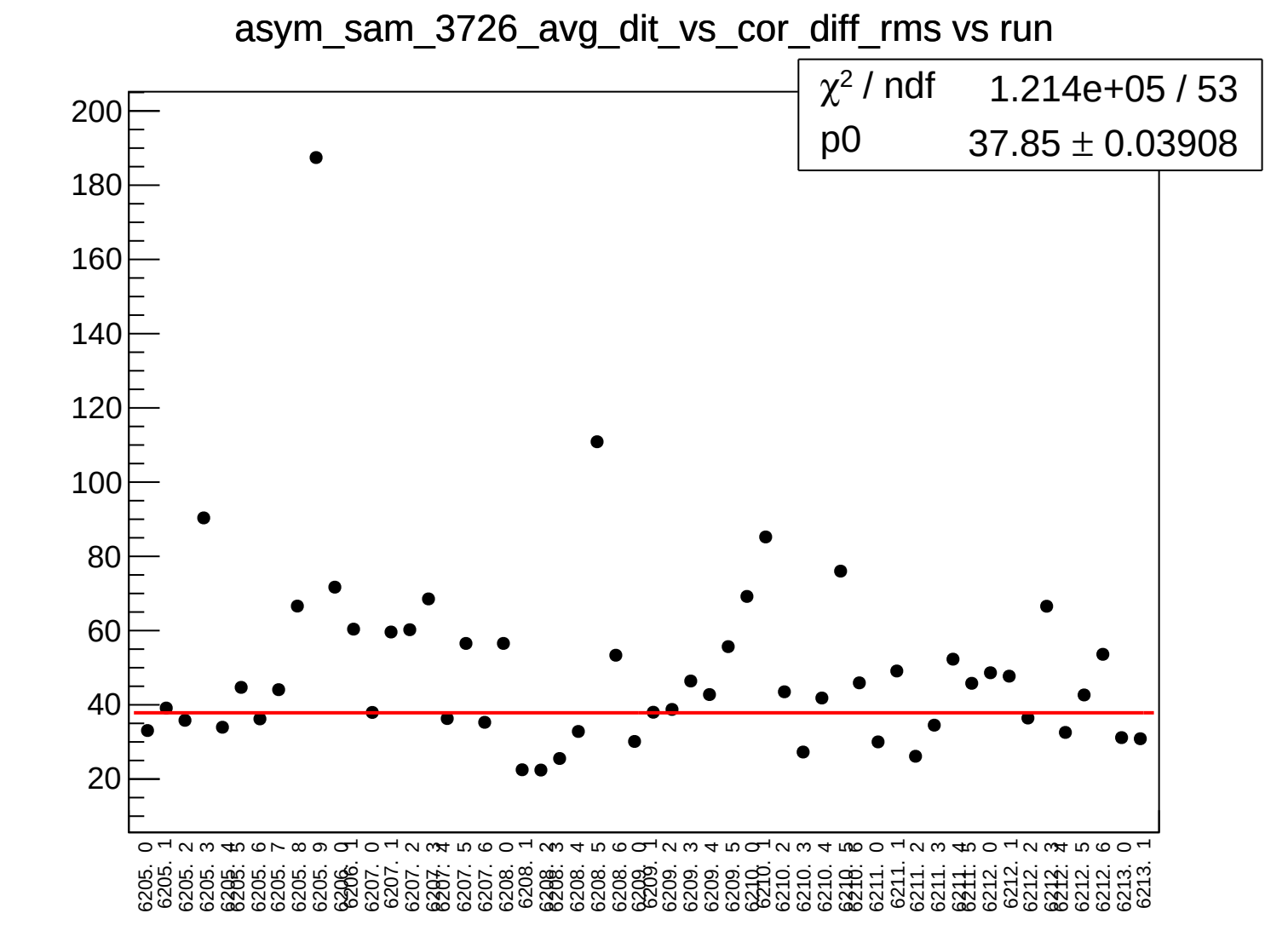

asym_sam_3726_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 64.21 / 53
p0 1.032e−13 ± 2.759e−13
pull
Entries 54
Mean 13.94
Std Dev 0

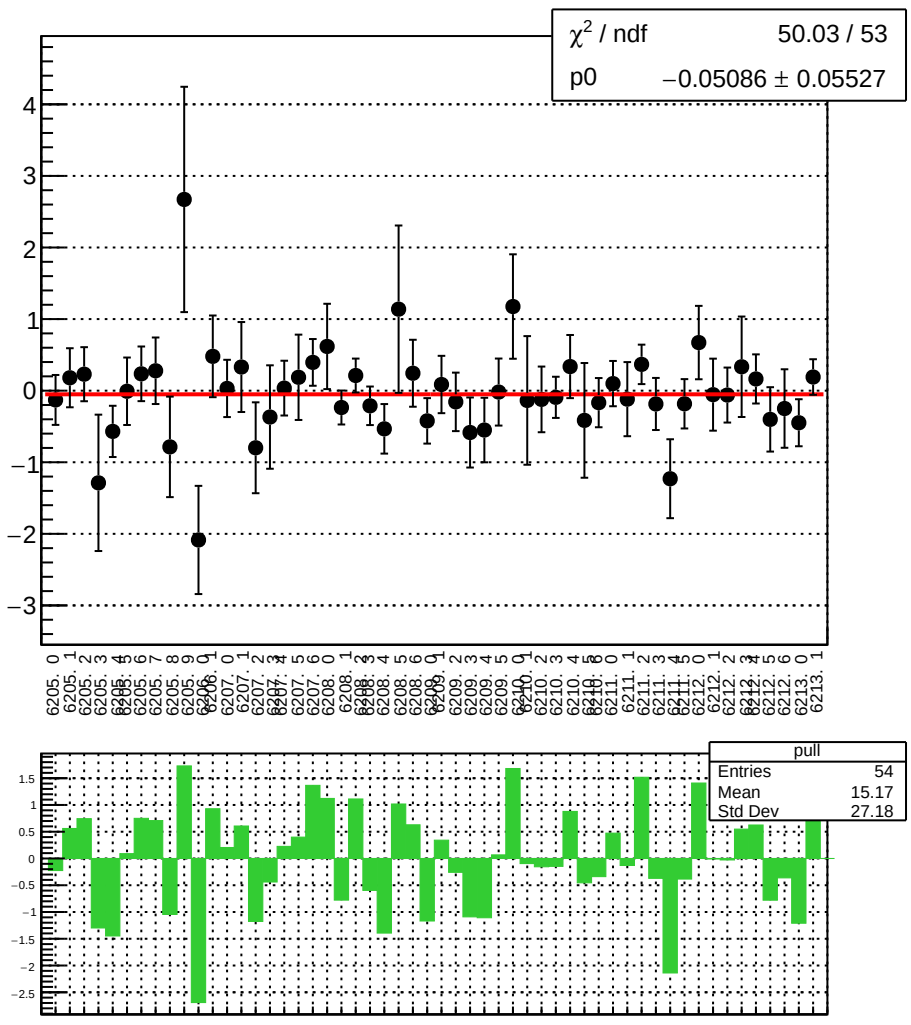

pull1D
Entries 54
Mean 0.1238
Std Dev 1.083

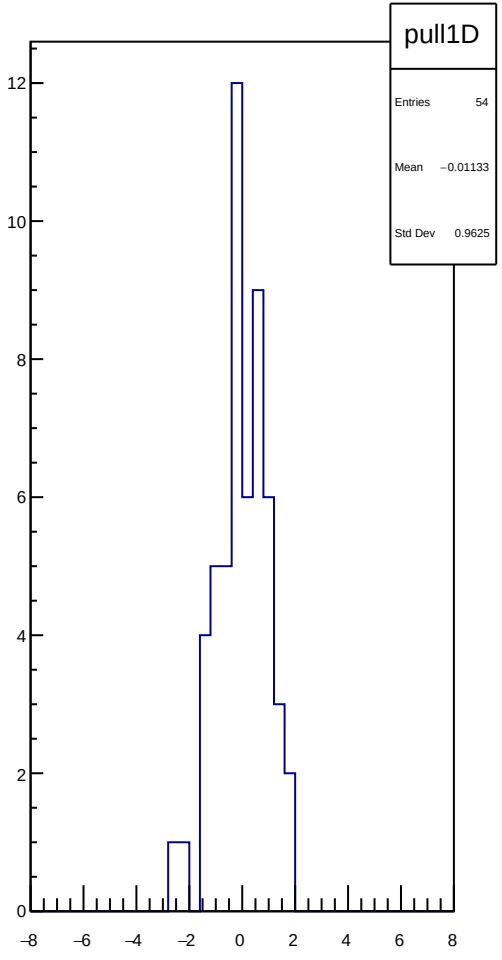

asym_sam_3726_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 5.824e+05 / 53
p0 1.347e−10 ± 1.951e−13
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0

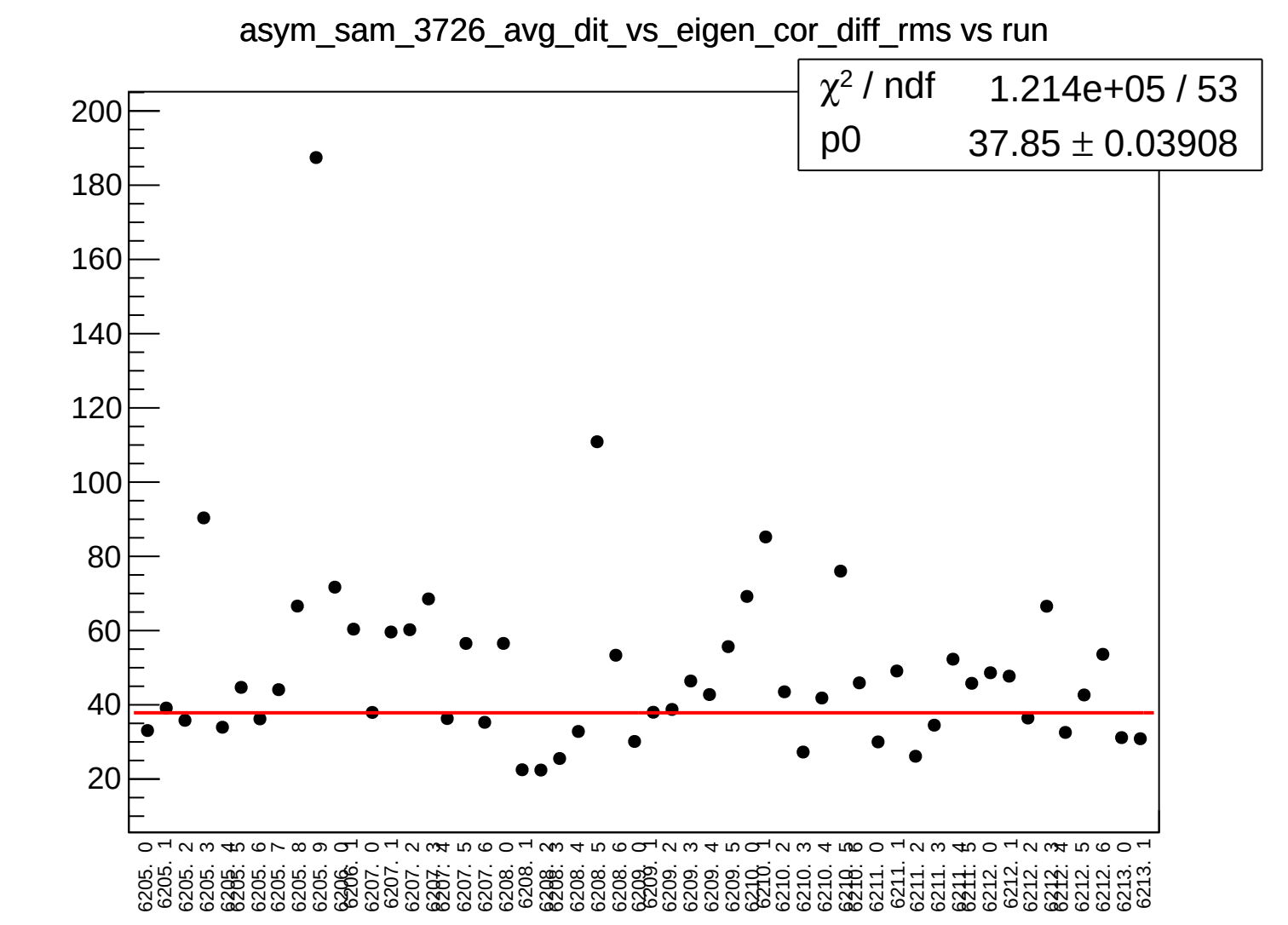

asym_sam_3726_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 50.03 / 53
p0 −0.05086 ± 0.05527
pull
Entries 54
Mean 15.17
Std Dev 27.18

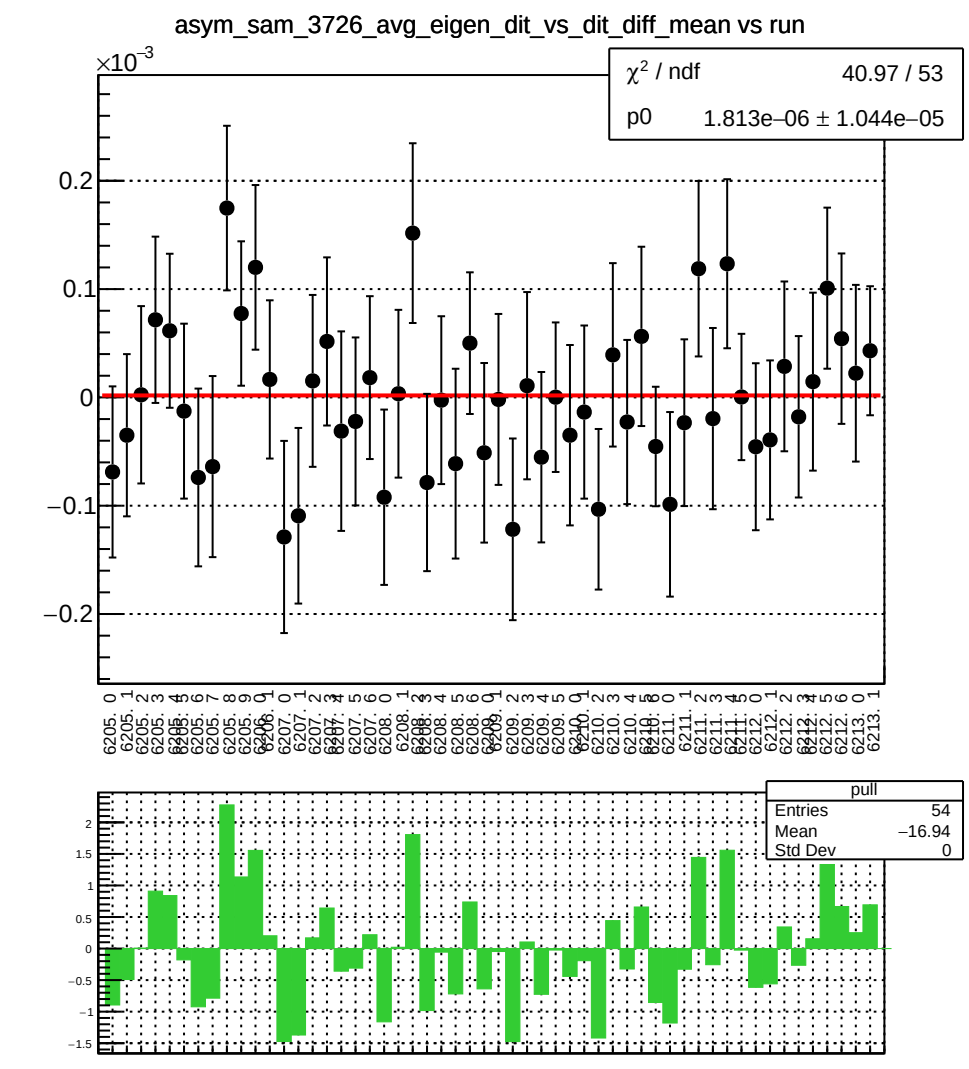

pull1D
Entries 54
Mean −0.01133
Std Dev 0.9625

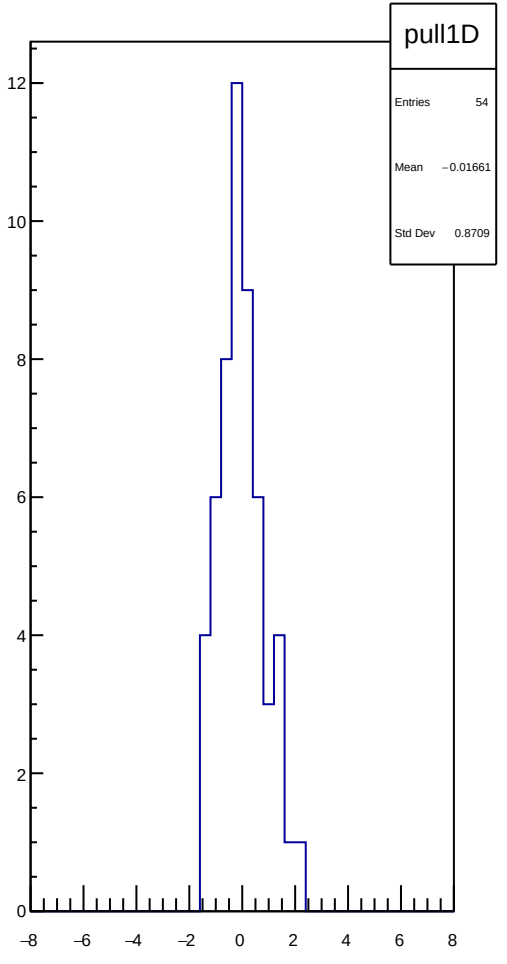

asym_sam_3726_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.214e+05 / 53
p0 37.85 ± 0.03908
200
180
160
140
120
100
80
60
40
20
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

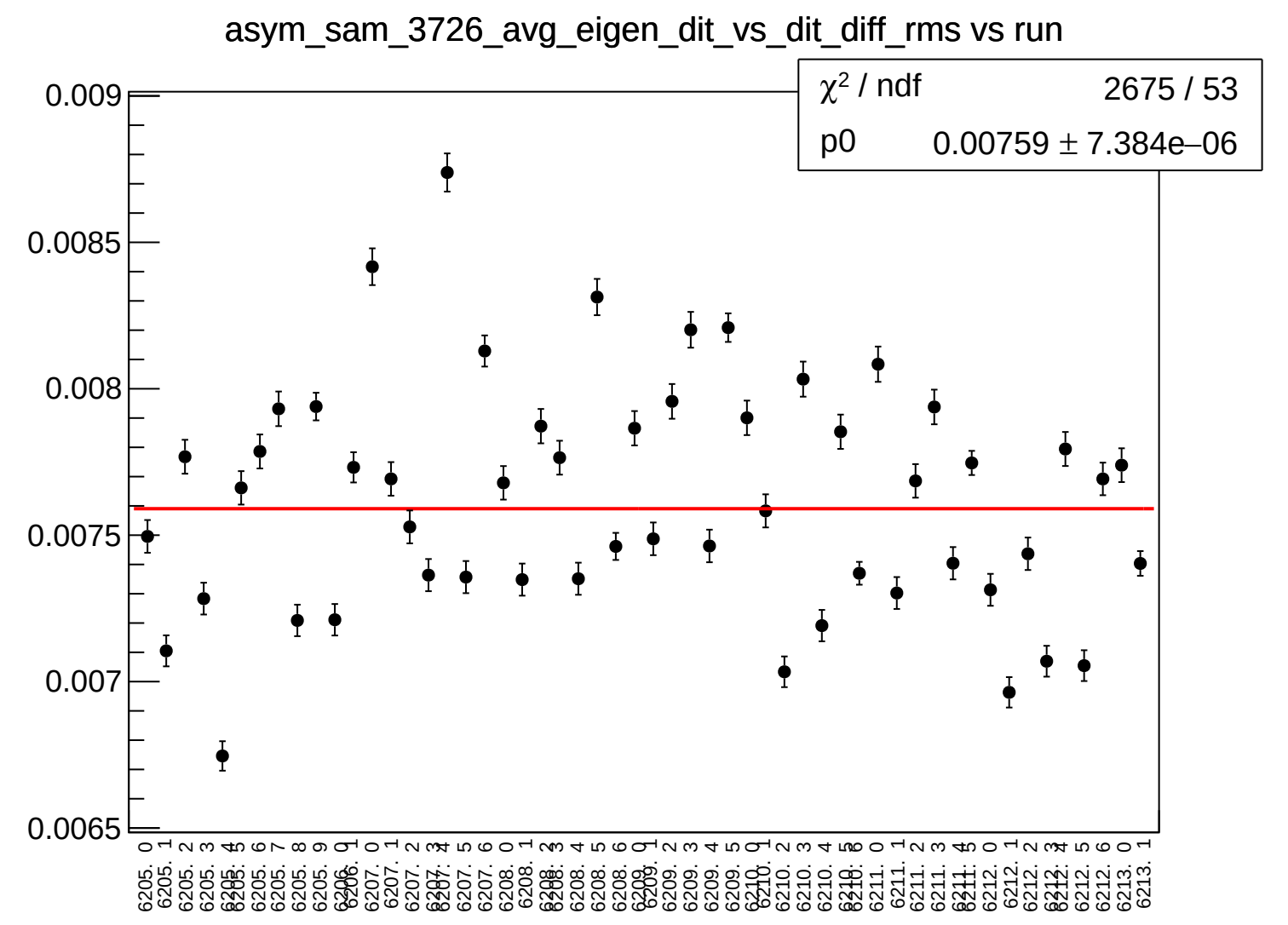

asym_sam_3726_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 50.03 / 53
p0 −0.05086 ± 0.05527
pull
Entries 54
Mean 15.17
Std Dev 27.18

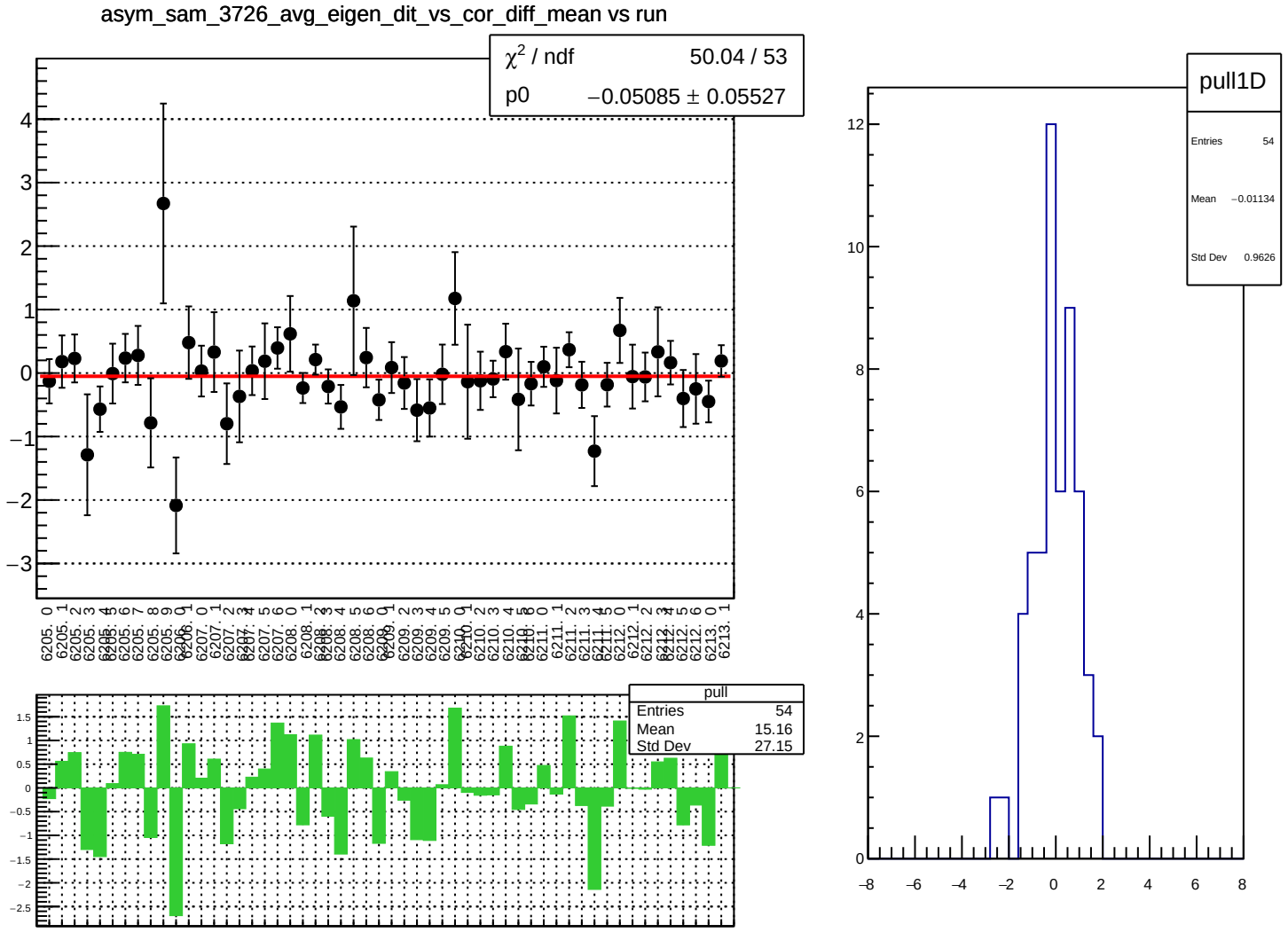

pull1D
Entries 54
Mean −0.01133
Std Dev 0.9625

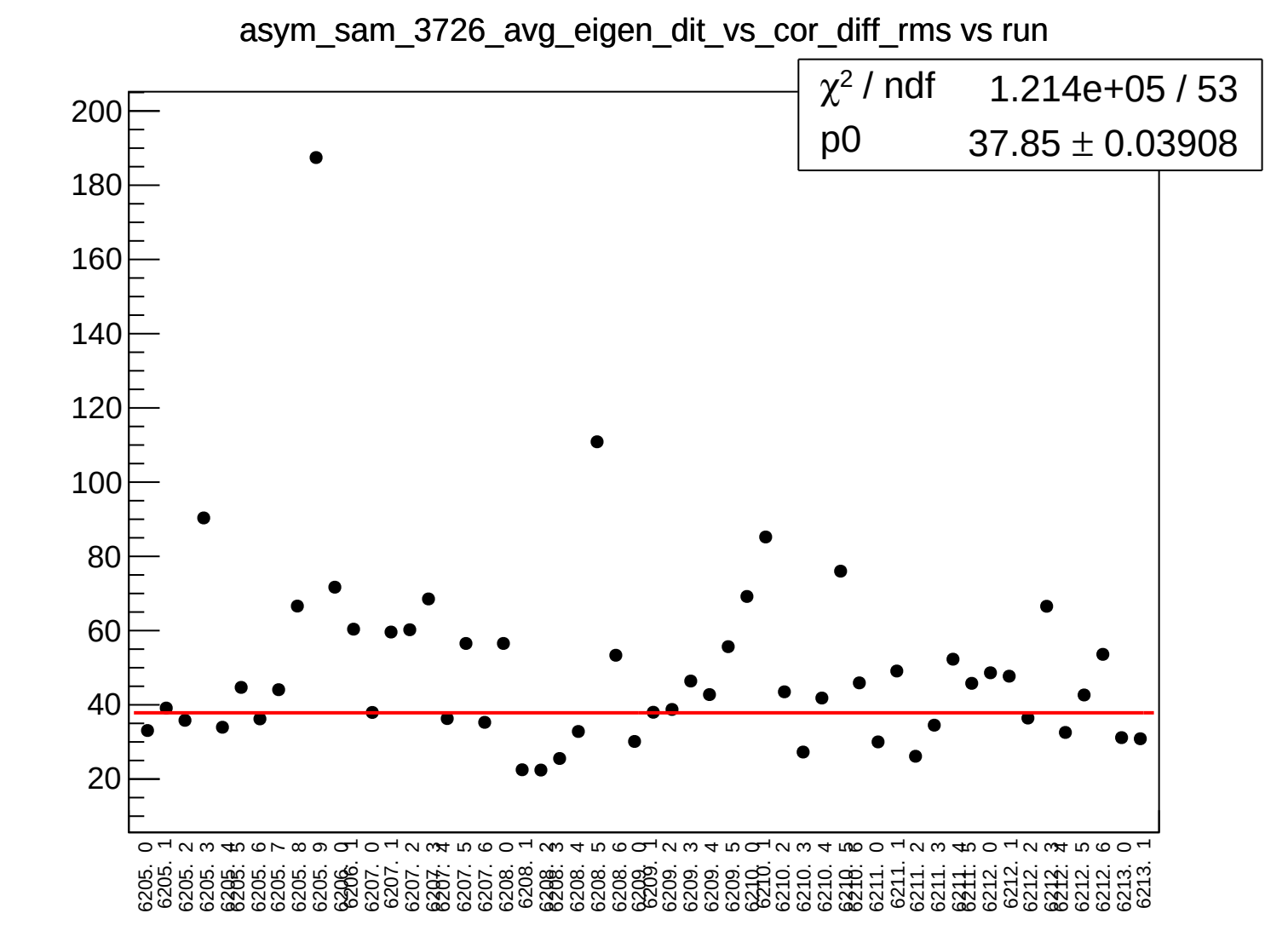

asym_sam_3726_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.214e+05 / 53
p0 37.85 ± 0.03908
200
180
160
140
120
100
80
60
40
20
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 1
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

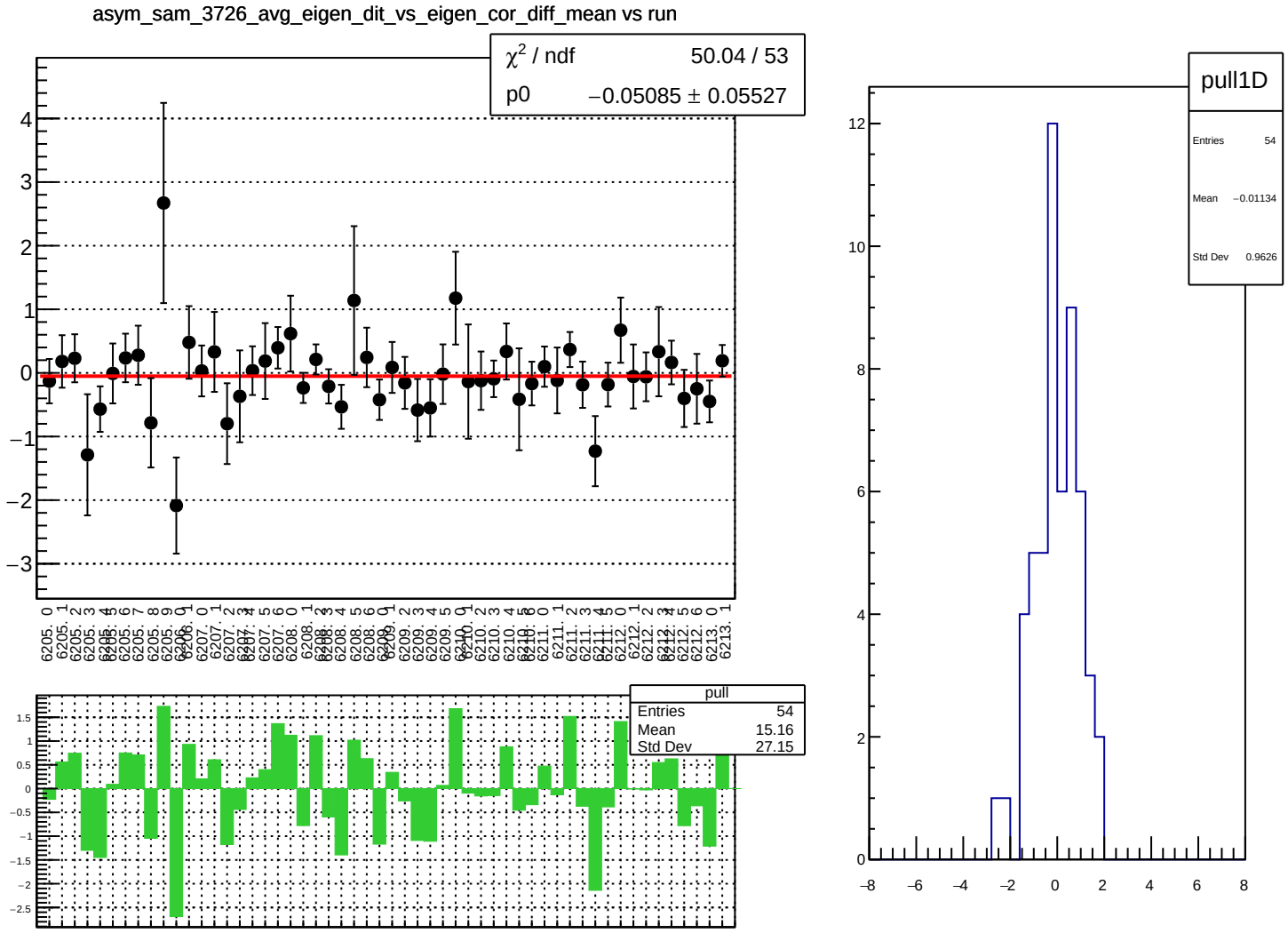

asym_sam_3726_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 40.97 / 53
p0 1.813e−06 ± 1.044e−05
0.2
0.1
0
−0.1
−0.2
pull
Entries 54
Mean −16.94
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

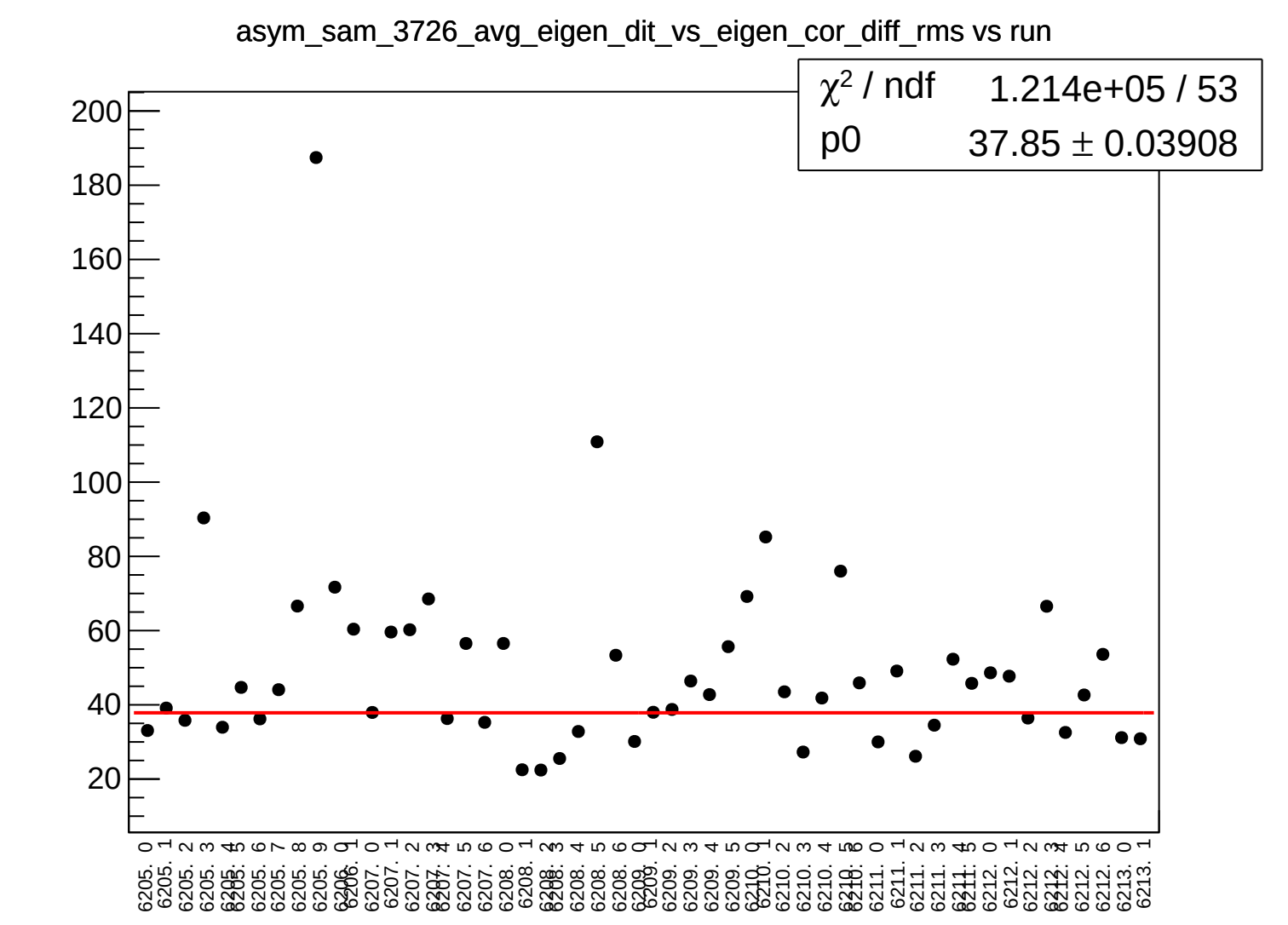

pull1D
Entries 54
Mean −0.01661
Std Dev 0.8709
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

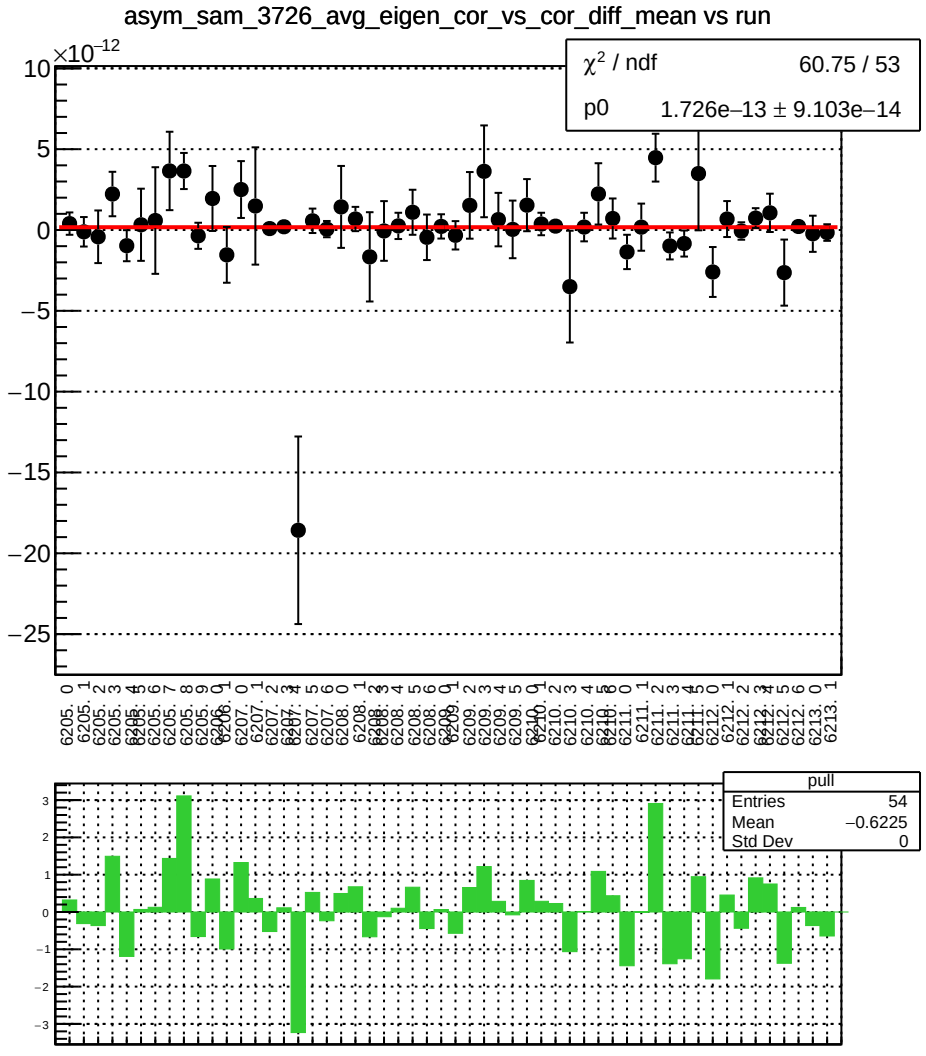

asym_sam_3726_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2675 / 53
p0 0.00759 ± 7.384e−06
0.009
0.0085
0.008
0.0075
0.007
0.0065
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

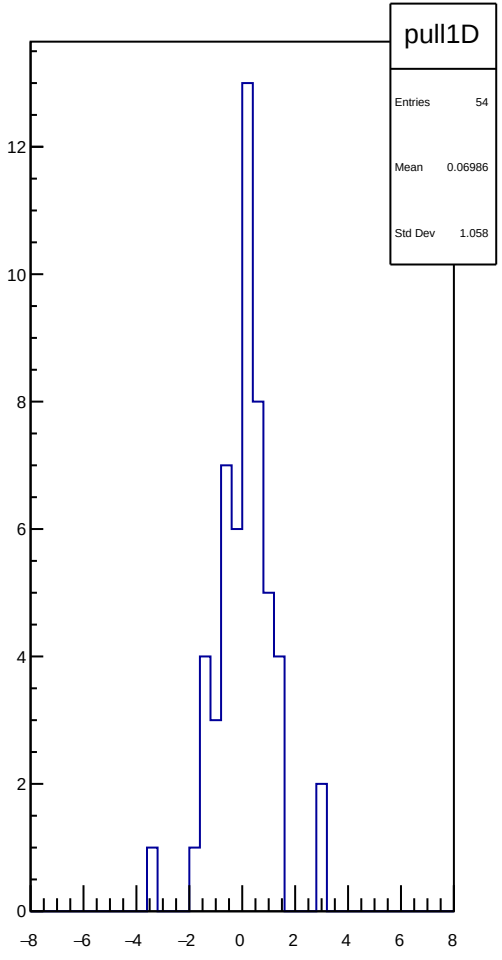

asym_sam_3726_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 50.04 / 53
p0 −0.05085 ± 0.05527
pull
Entries 54
Mean 15.16
Std Dev 27.15
pull1D
Entries 54
Mean −0.01134
Std Dev 0.9626

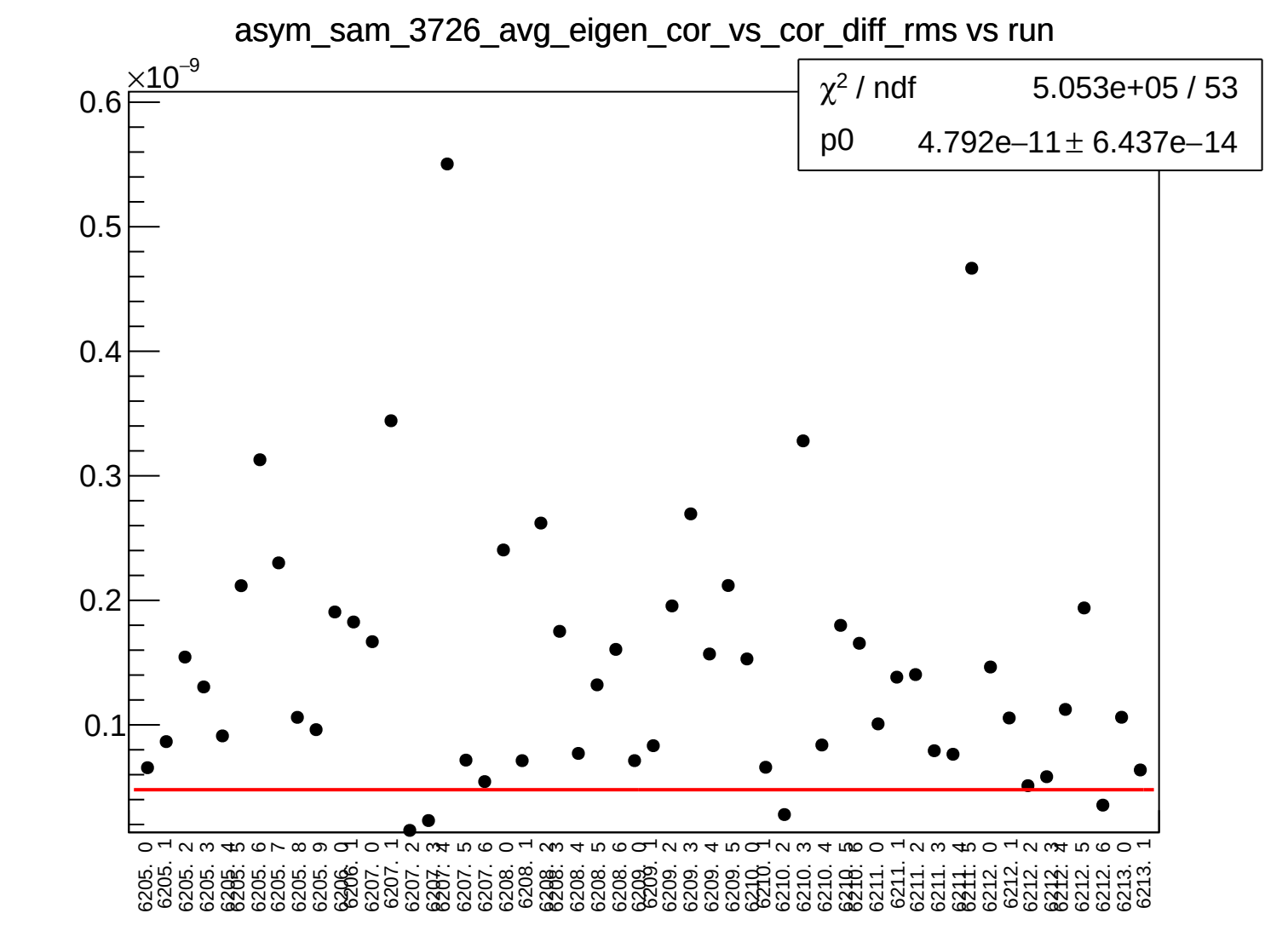

asym_sam_3726_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.214e+05 / 53
p0 37.85 ± 0.03908
200
180
160
140
120
100
80
60
40
20
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

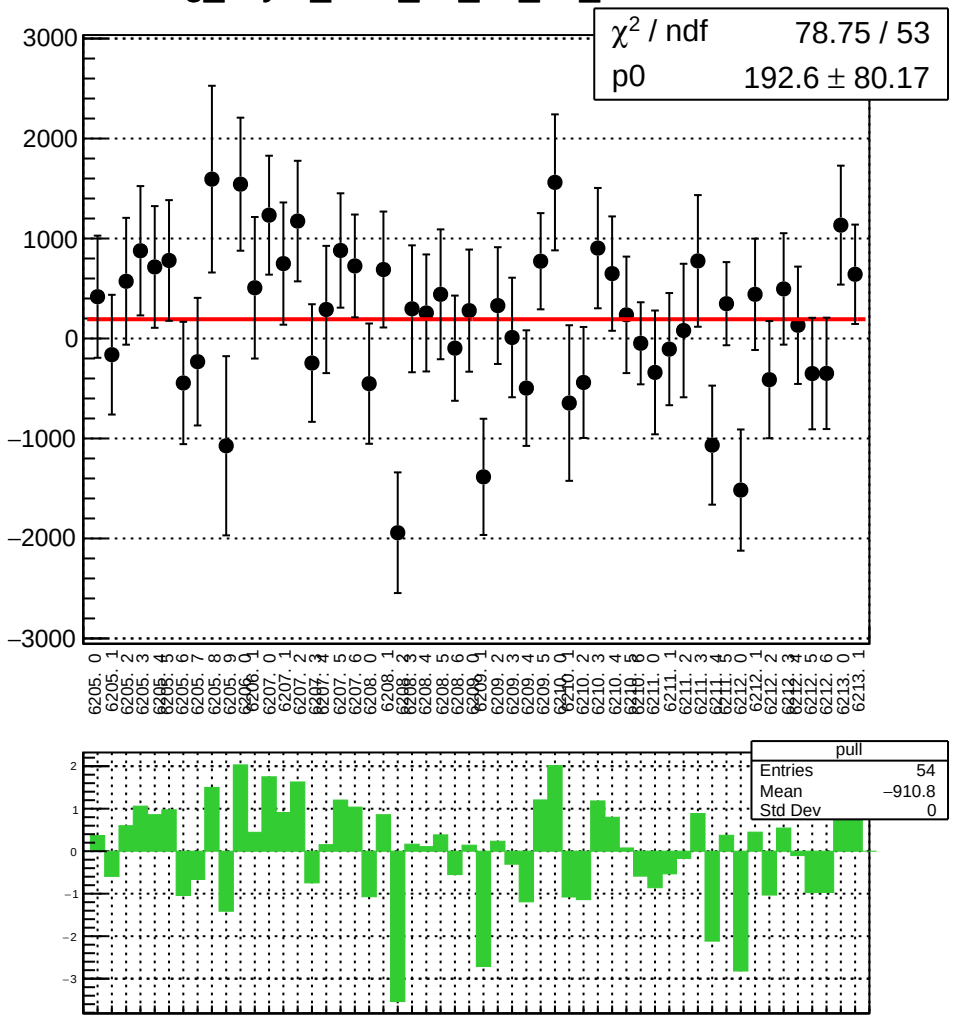

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 50.04 / 53
p0 −0.05085 ± 0.05527
pull
Entries 54
Mean 15.16
Std Dev 27.15
pull1D
Entries 54
Mean −0.01134
Std Dev 0.9626

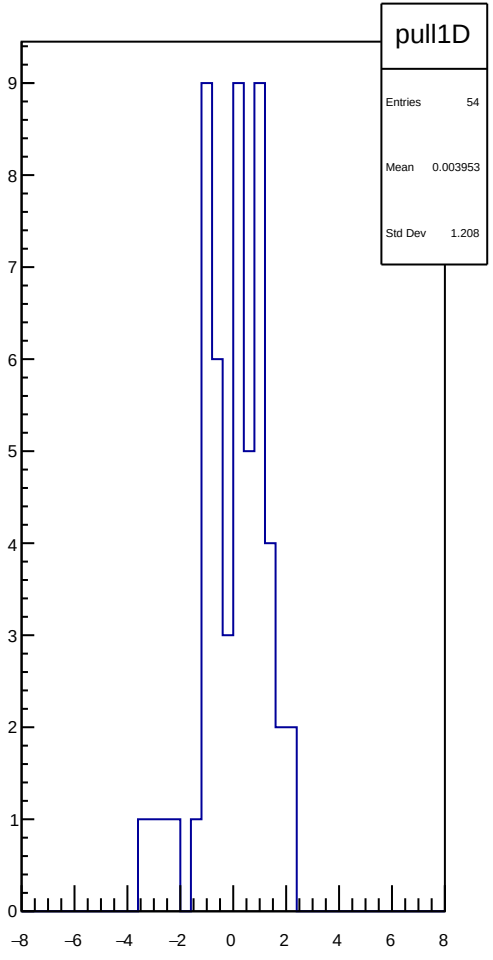

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.214e+05 / 53
p0 37.85 ± 0.03908
200
180
160
140
120
100
80
60
40
20
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 1
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 1
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

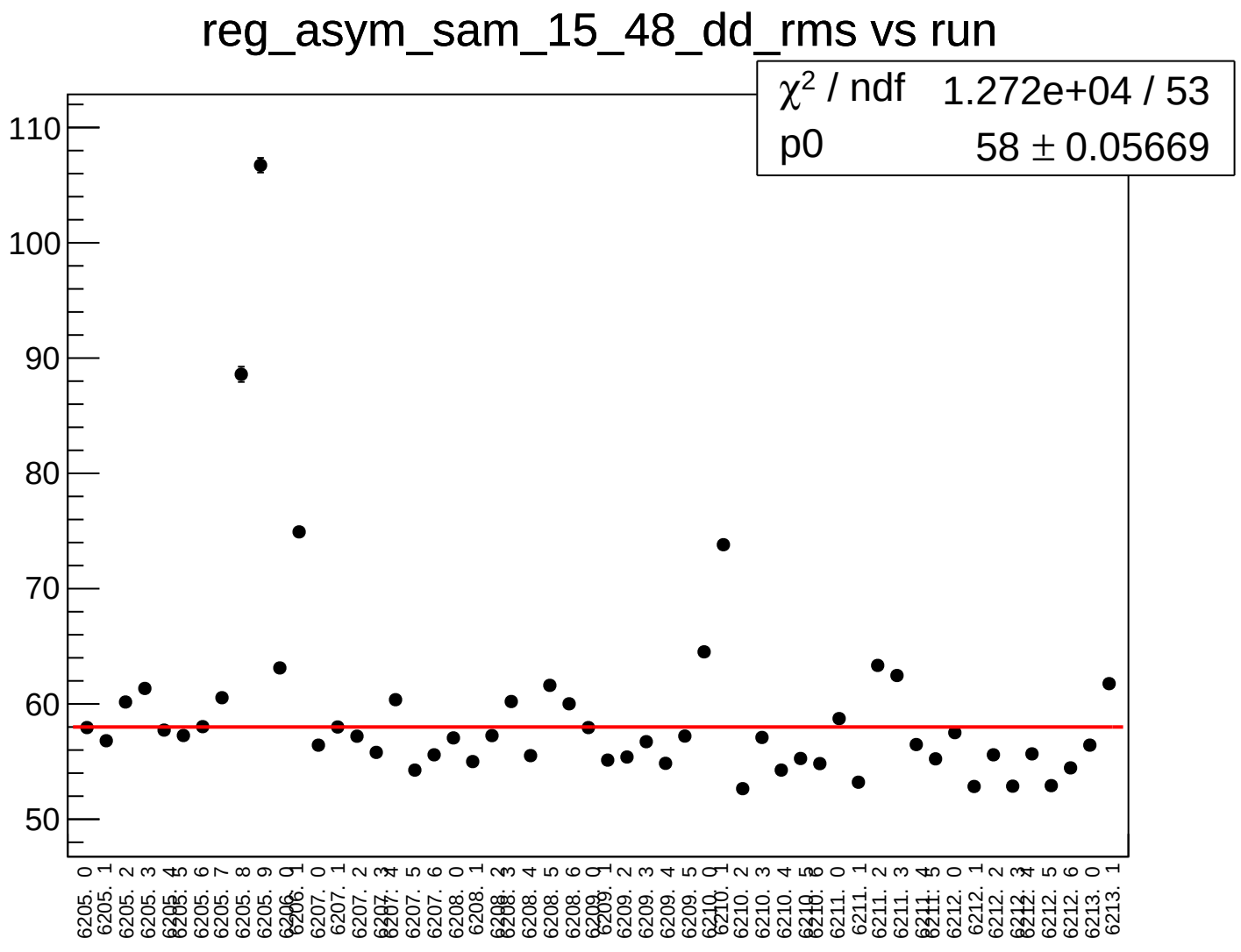

asym_sam_3726_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 60.75 / 53
p0 1.726e−13 ± 9.103e−14
pull
Entries 54
Mean −0.6225
Std Dev 0

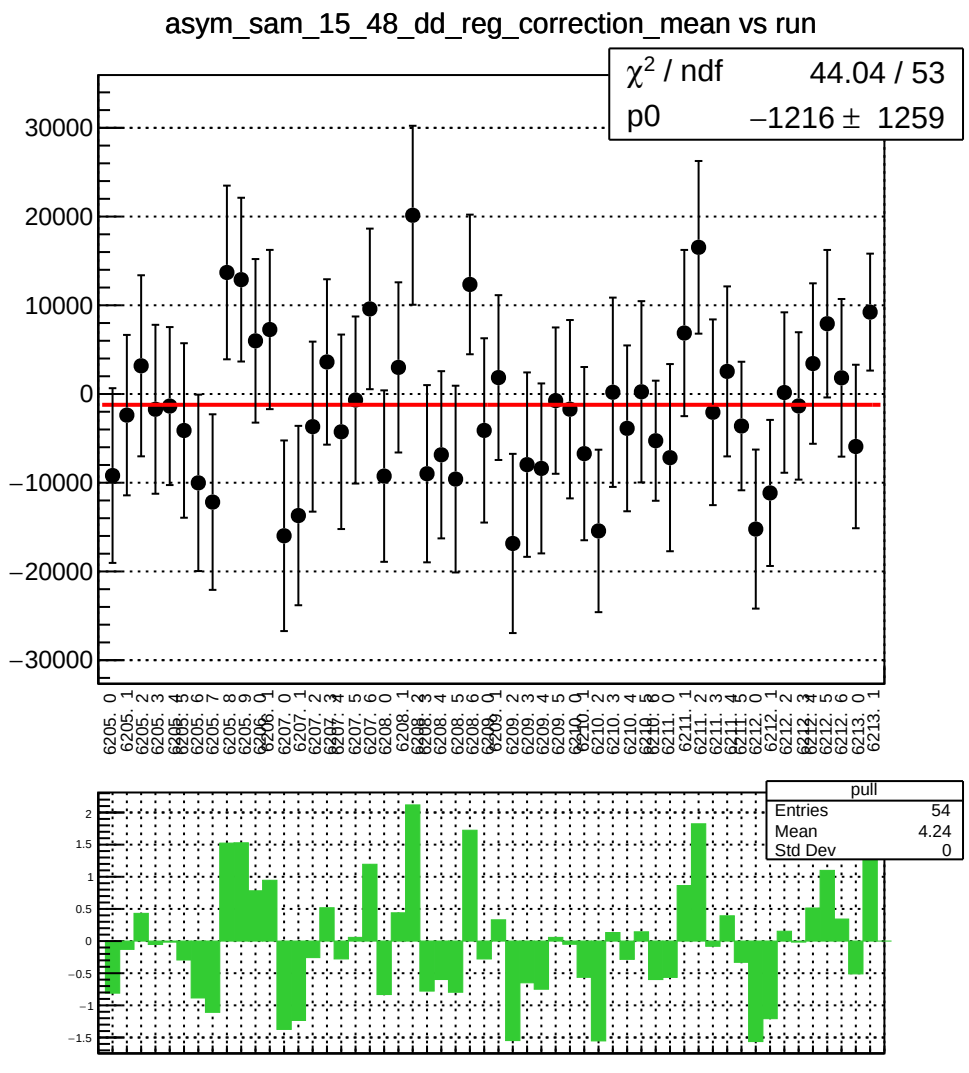

pull1D
Entries 54
Mean 0.06986
Std Dev 1.058

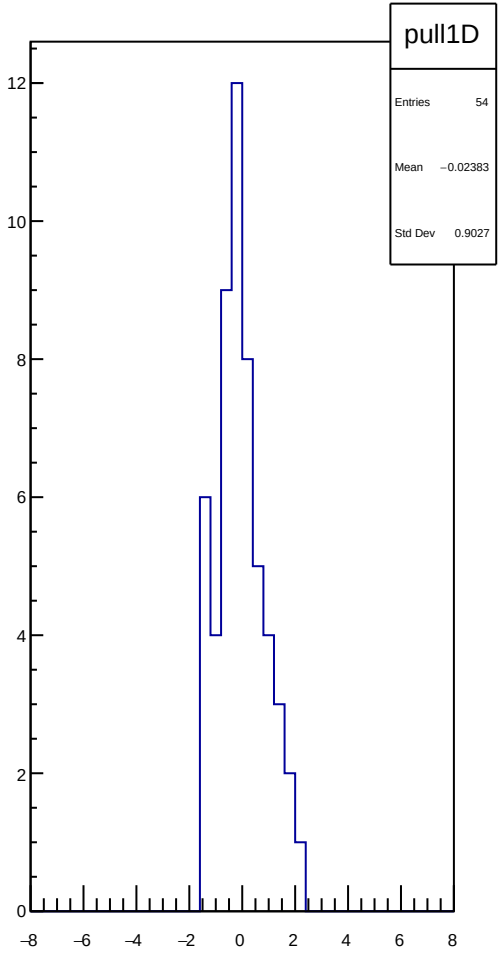

asym_sam_3726_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
0.6
0.5
0.4
0.3
0.2
0.1
χ² / ndf 5.053e+05 / 53
p0 4.792e−11 ± 6.437e−14

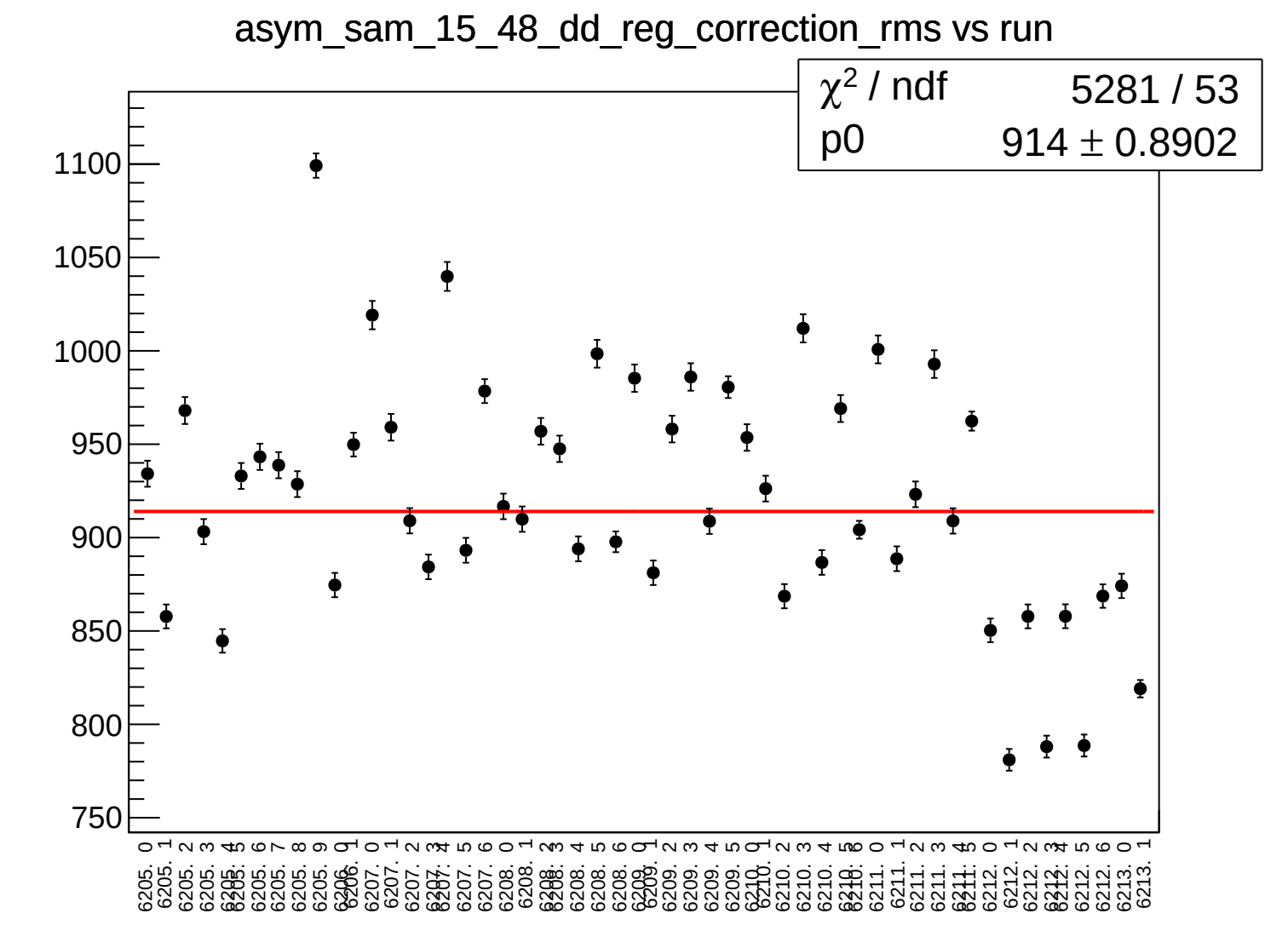

reg_asym_sam_15_48_dd_mean vs run
χ² / ndf 78.75 / 53
p0 192.6 ± 80.17
pull
Entries 54
Mean −910.8
Std Dev 0

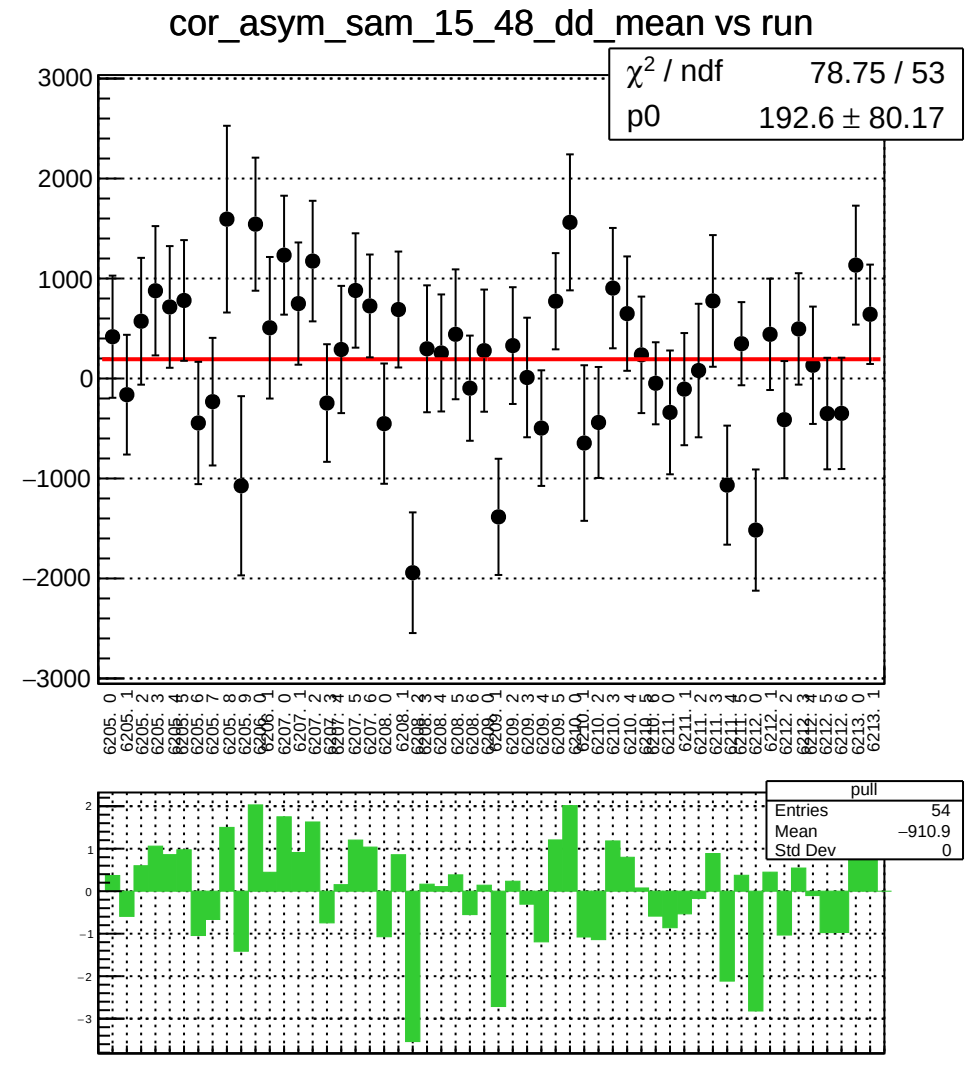

pull1D
Entries 54
Mean 0.003953
Std Dev 1.208

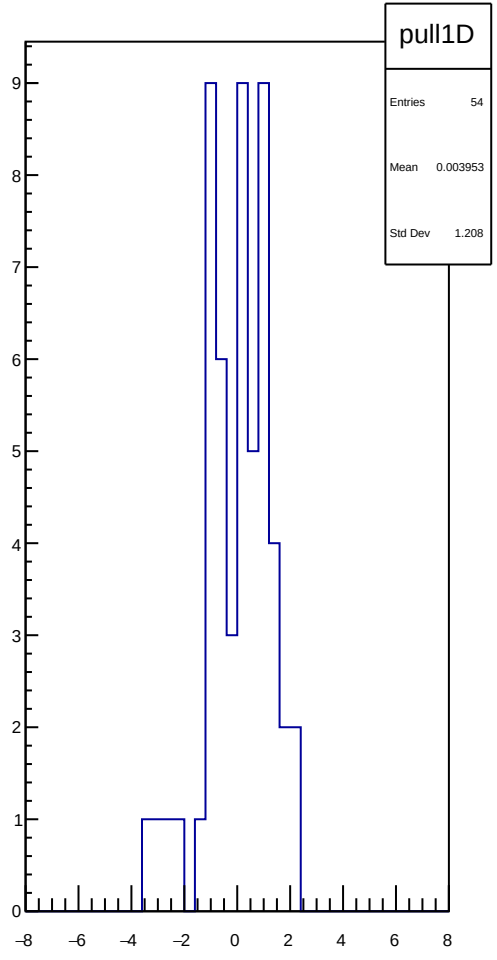

reg_asym_sam_15_48_dd_rms vs run
χ² / ndf 1.272e+04 / 53
p0 58 ± 0.05669
110
100
90
80
70
60
50
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

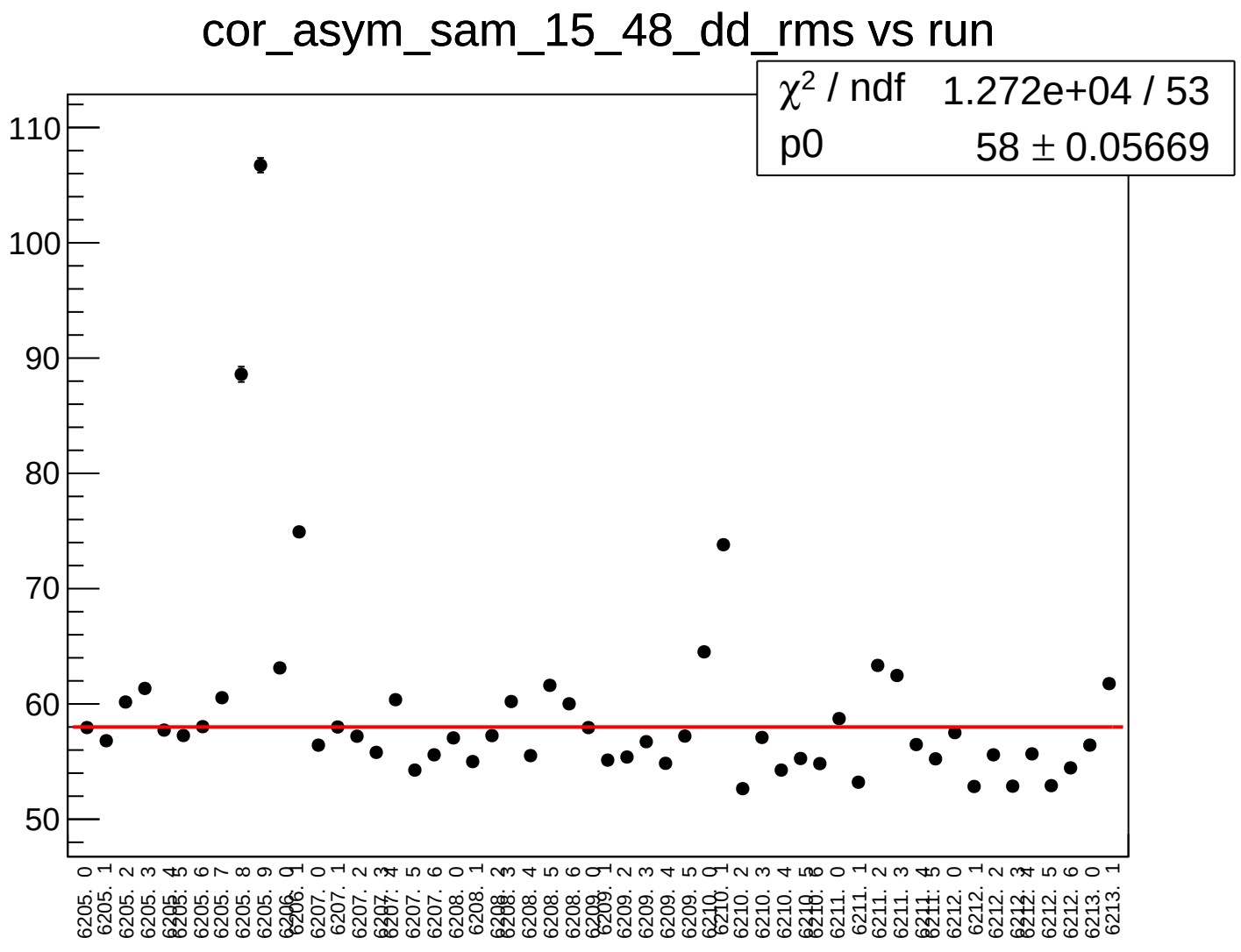

asym_sam_15_48_dd_reg_correction_mean vs run
χ² / ndf 44.04 / 53
p0 −1216 ± 1259
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 54
Mean 4.24
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

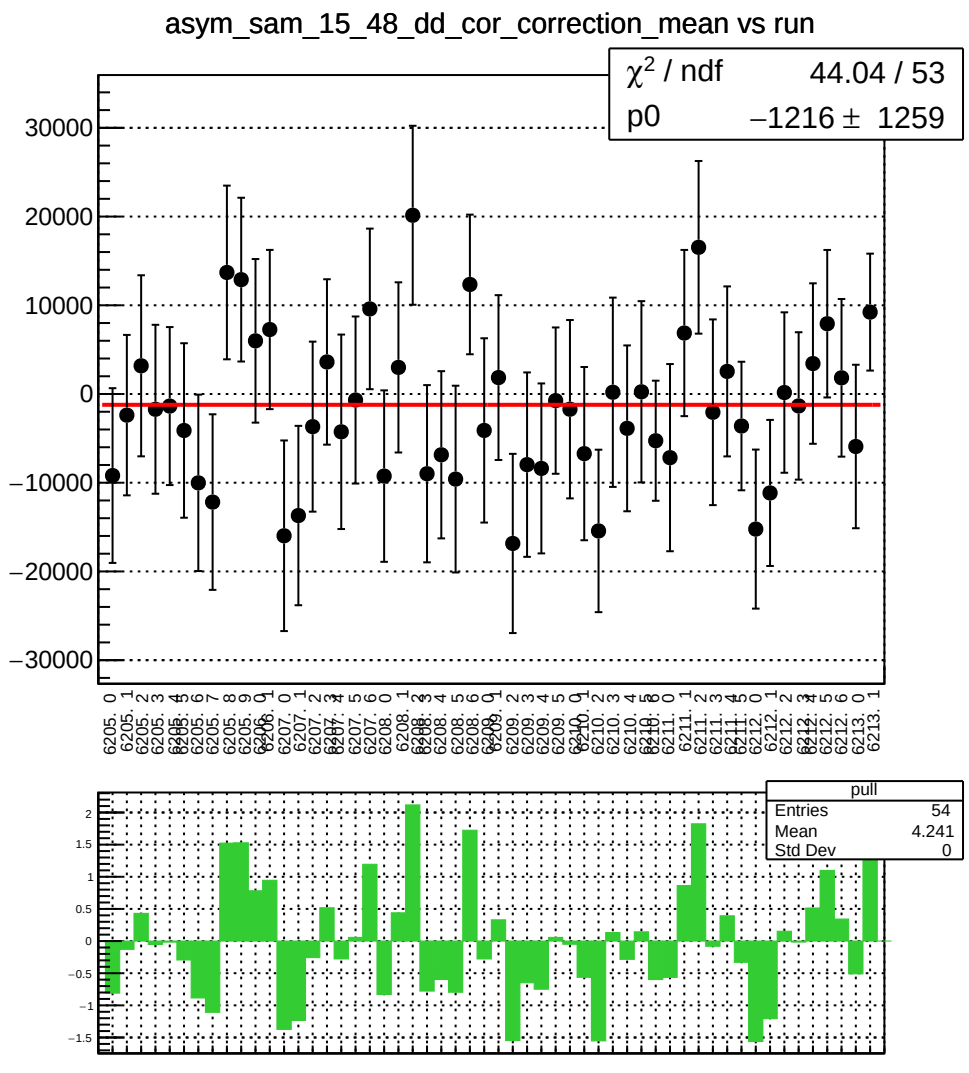

pull1D
Entries 54
Mean −0.02383
Std Dev 0.9027
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

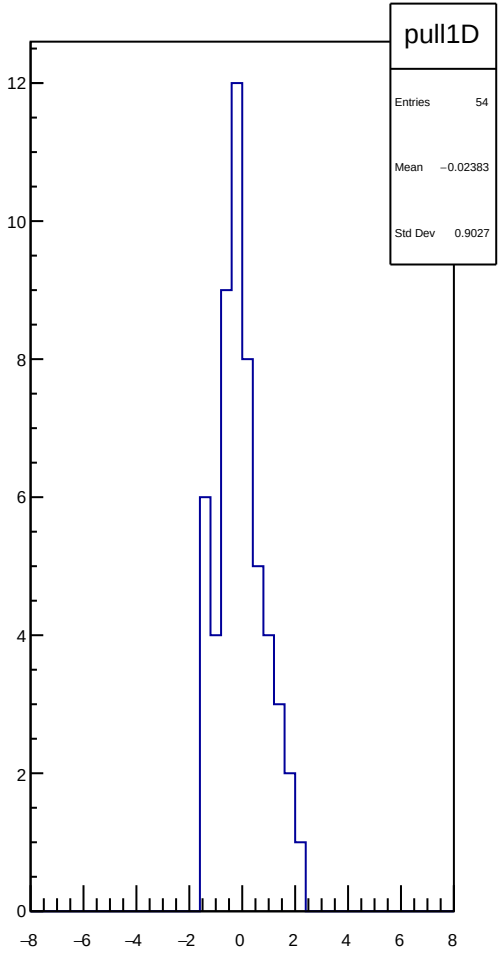

asym_sam_15_48_dd_reg_correction_rms vs run
χ² / ndf 5281 / 53
p0 914 ± 0.8902
1100
1050
1000
950
900
850
800
750
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

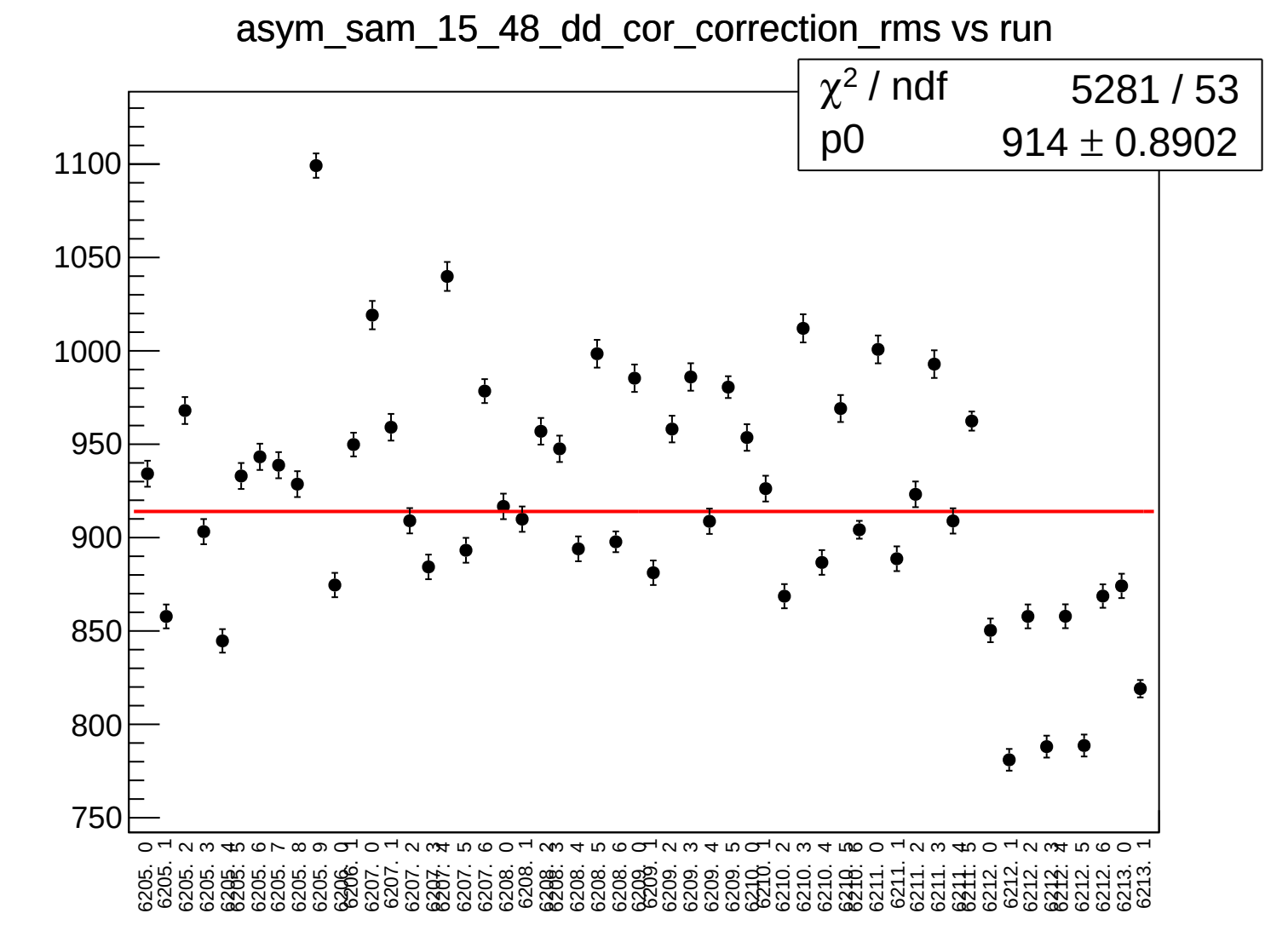

cor_asym_sam_15_48_dd_mean vs run
χ² / ndf 78.75 / 53
p0 192.6 ± 80.17
pull
Entries 54
Mean −910.9
Std Dev 0


pull1D
Entries 54
Mean 0.003953
Std Dev 1.208


cor_asym_sam_15_48_dd_rms vs run
χ² / ndf 1.272e+04 / 53
p0 58 ± 0.05669
110
100
90
80
70
60
50
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_sam_15_48_dd_cor_correction_mean vs run
χ² / ndf 44.04 / 53
p0 −1216 ± 1259
pull
Entries 54
Mean 4.241
Std Dev 0


pull1D
Entries 54
Mean −0.02383
Std Dev 0.9027


asym_sam_15_48_dd_cor_correction_rms vs run
χ² / ndf 5281 / 53
p0 914 ± 0.8902
1100
1050
1000
950
900
850
800
750
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
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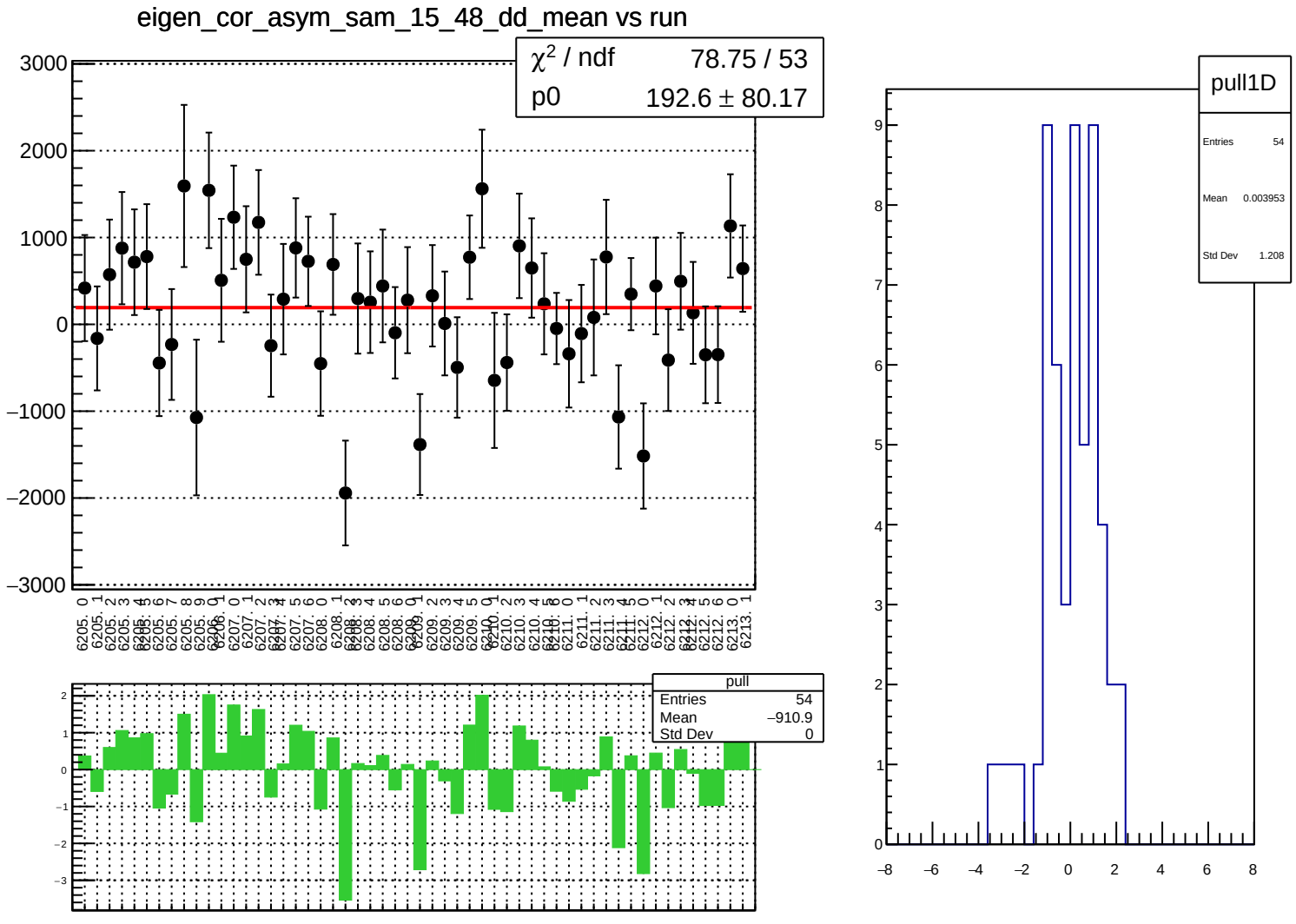
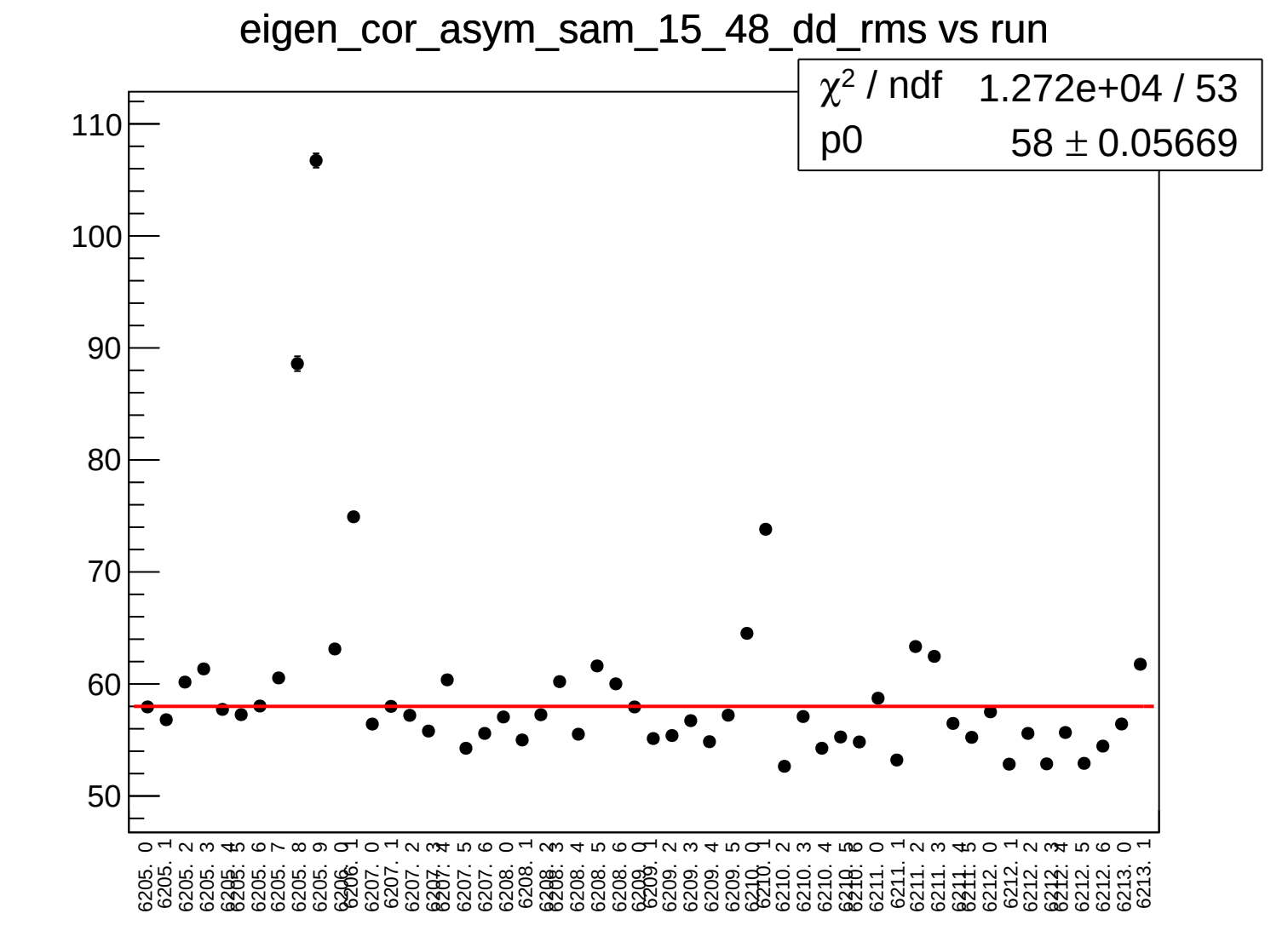
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


eigen_cor_asym_sam_15_48_dd_mean vs run
χ² / ndf 78.75 / 53
p0 192.6 ± 80.17
pull
Entries 54
Mean −910.9
Std Dev 0
pull1D
Entries 54
Mean 0.003953
Std Dev 1.208


eigen_cor_asym_sam_15_48_dd_rms vs run
χ² / ndf 1.272e+04 / 53
p0 58 ± 0.05669
110
100
90
80
70
60
50
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
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6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
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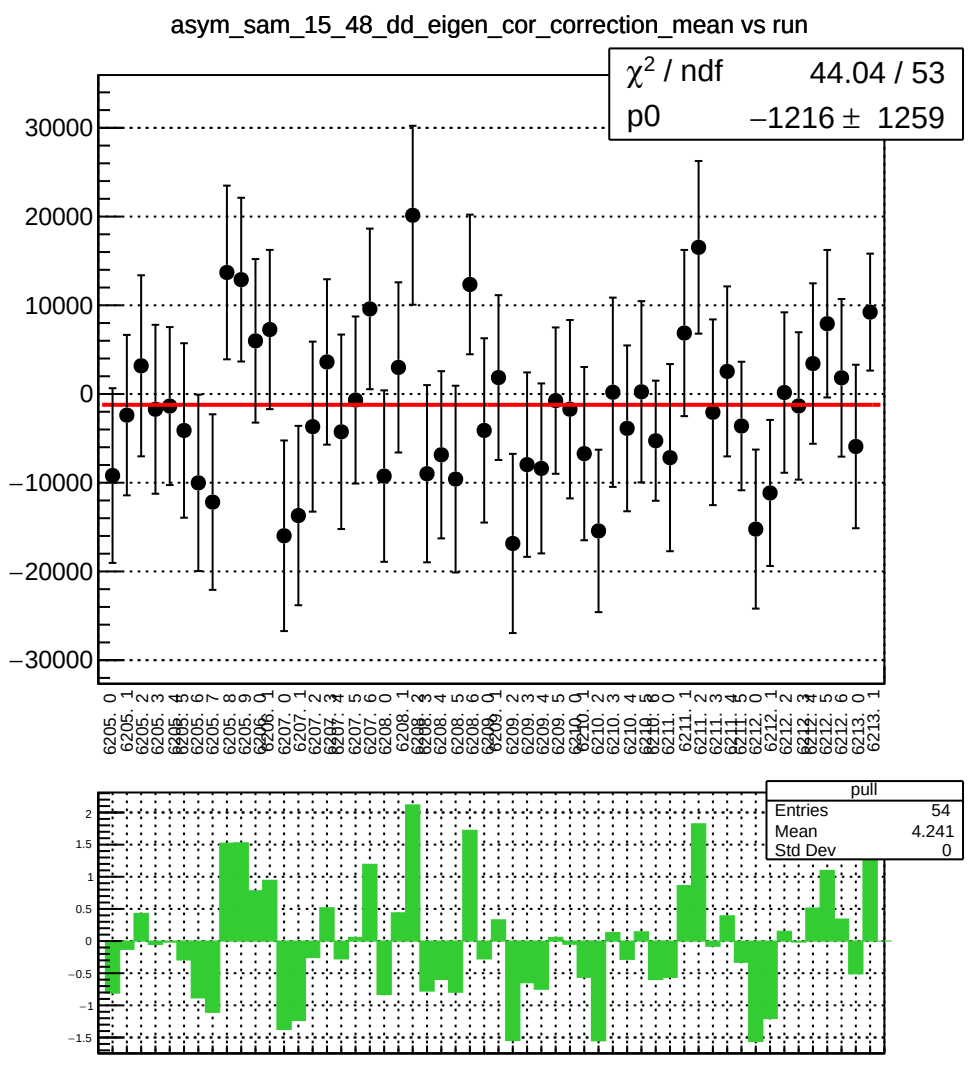
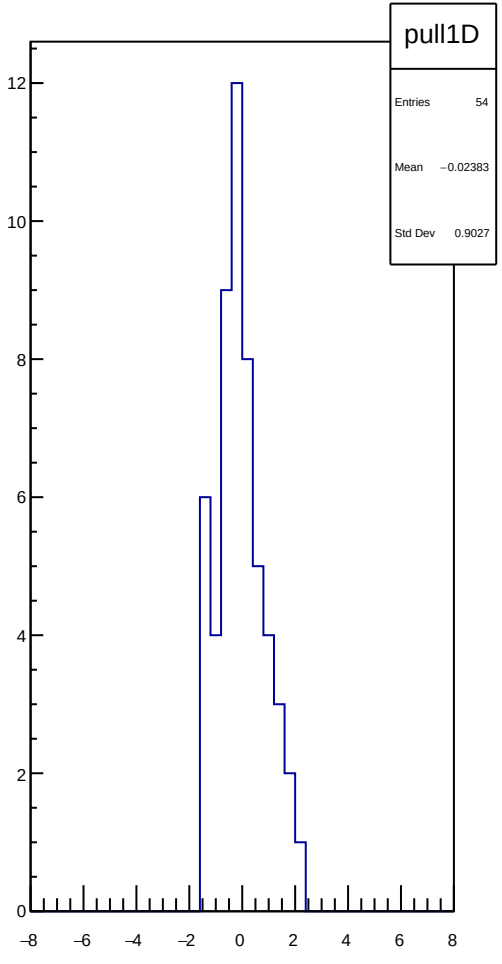
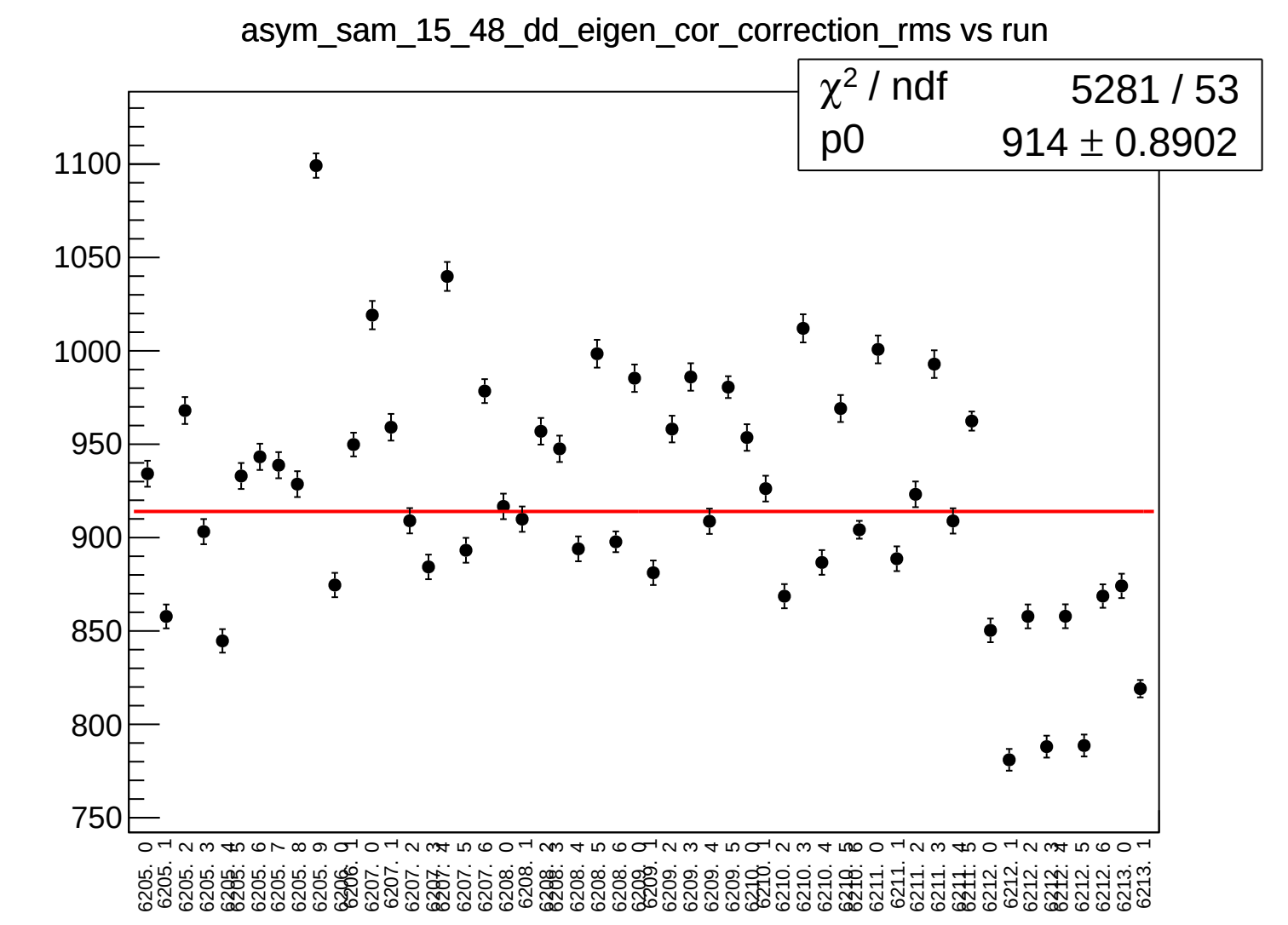
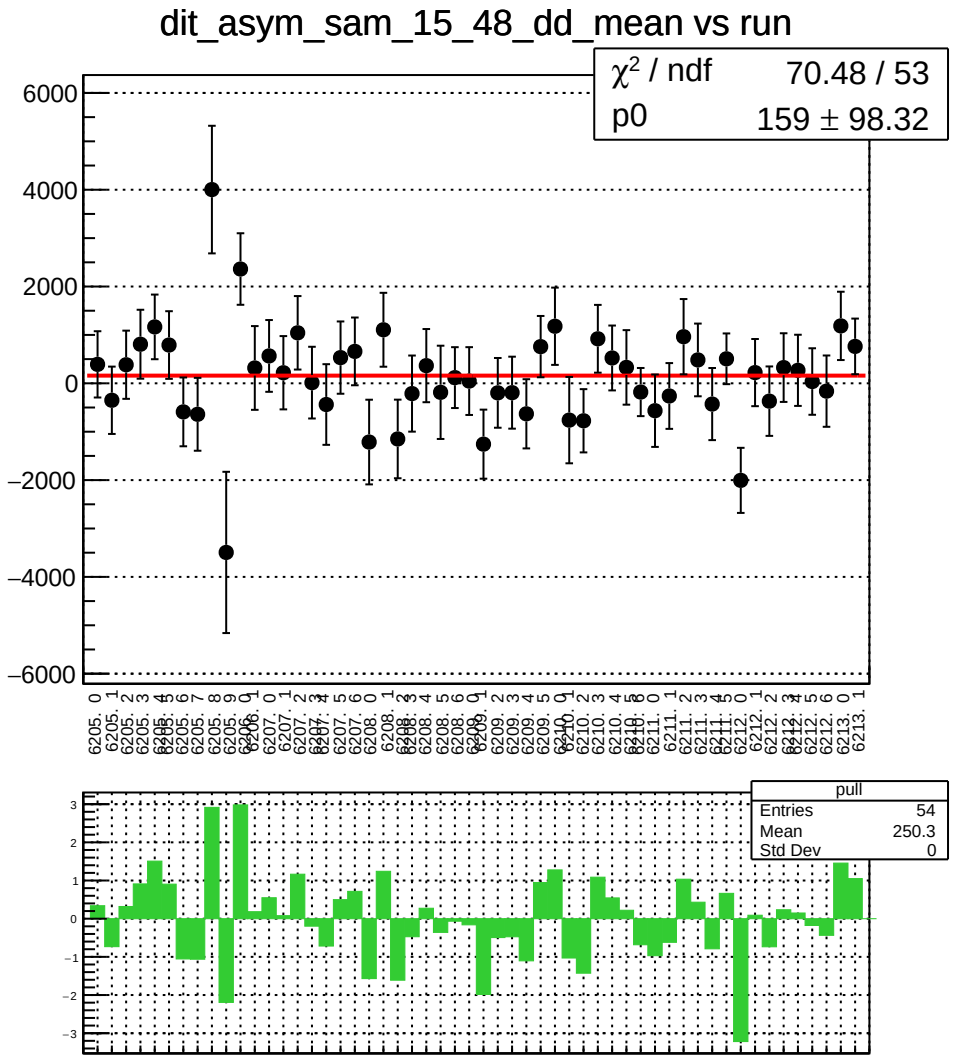
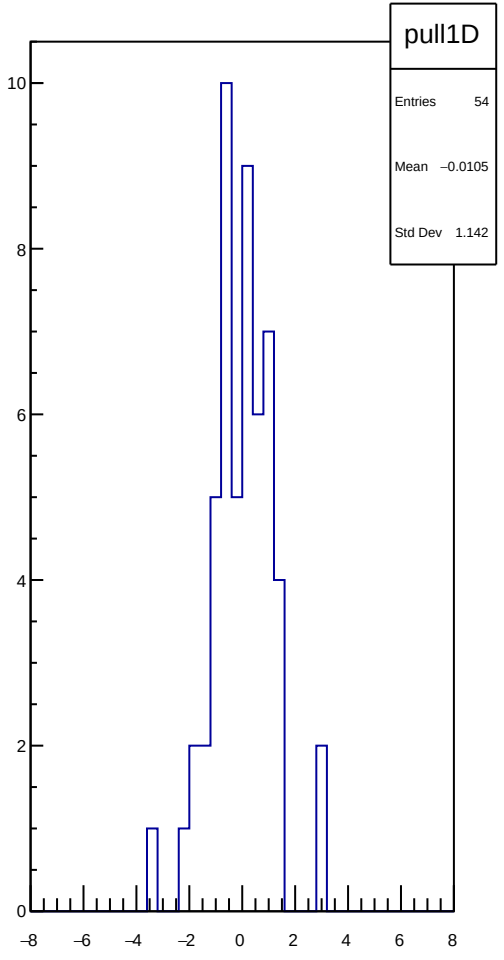
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

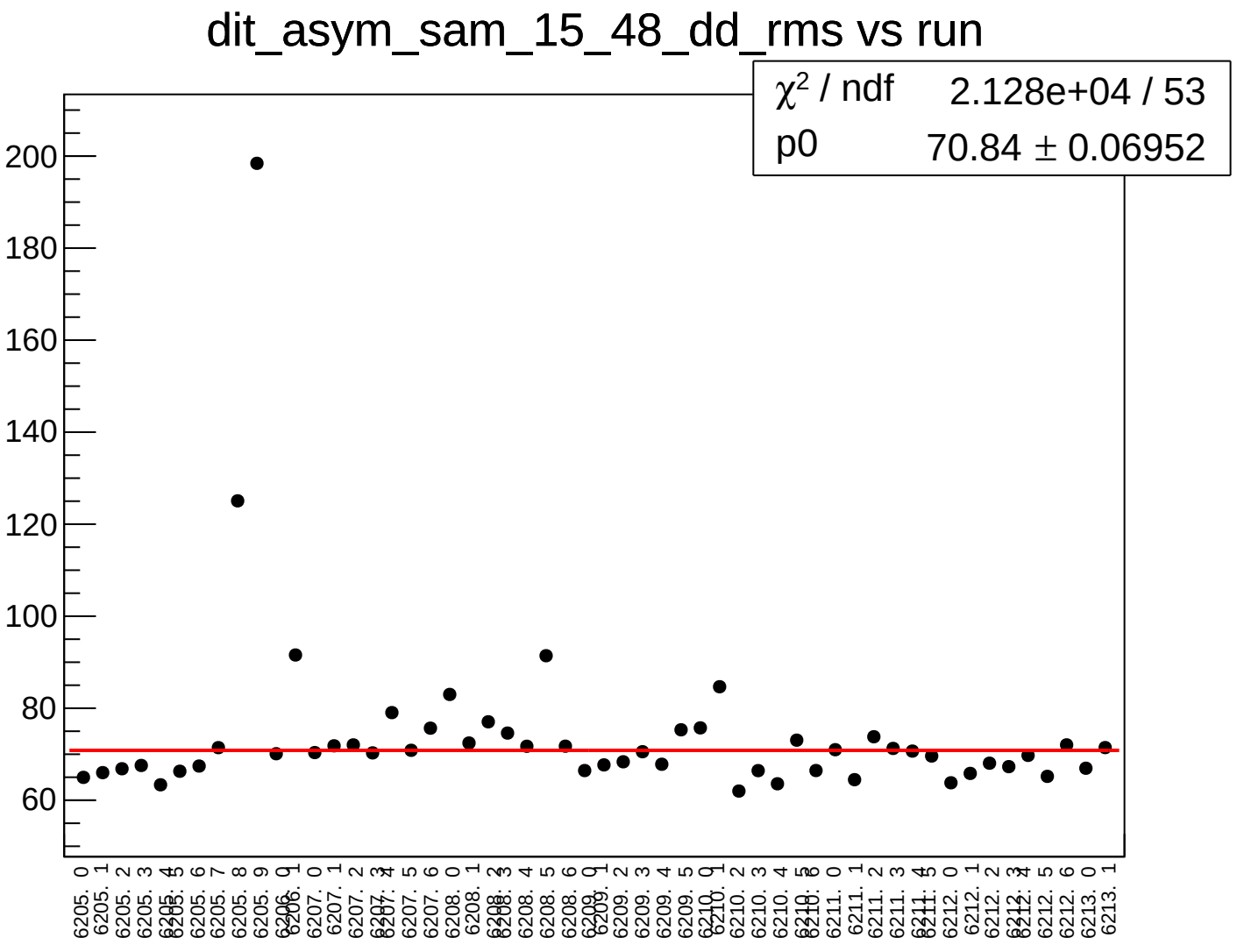

asym_sam_15_48_dd_eigen_cor_correction_mean vs run
χ² / ndf 44.04 / 53
p0 −1216 ± 1259
pull
Entries 54
Mean 4.241
Std Dev 0


pull1D
Entries 54
Mean −0.02383
Std Dev 0.9027


asym_sam_15_48_dd_eigen_cor_correction_rms vs run
χ² / ndf 5281 / 53
p0 914 ± 0.8902
1100
1050
1000
950
900
850
800
750
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 70.48 / 53
p0 159 ± 98.32
pull
Entries 54
Mean 250.3
Std Dev 0


pull1D
Entries 54
Mean −0.0105
Std Dev 1.142


dit_asym_sam_15_48_dd_rms vs run
χ² / ndf 2.128e+04 / 53
p0 70.84 ± 0.06952
200
180
160
140
120
100
80
60
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
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6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
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6212. 1
6212. 2
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6212. 4
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6212. 6
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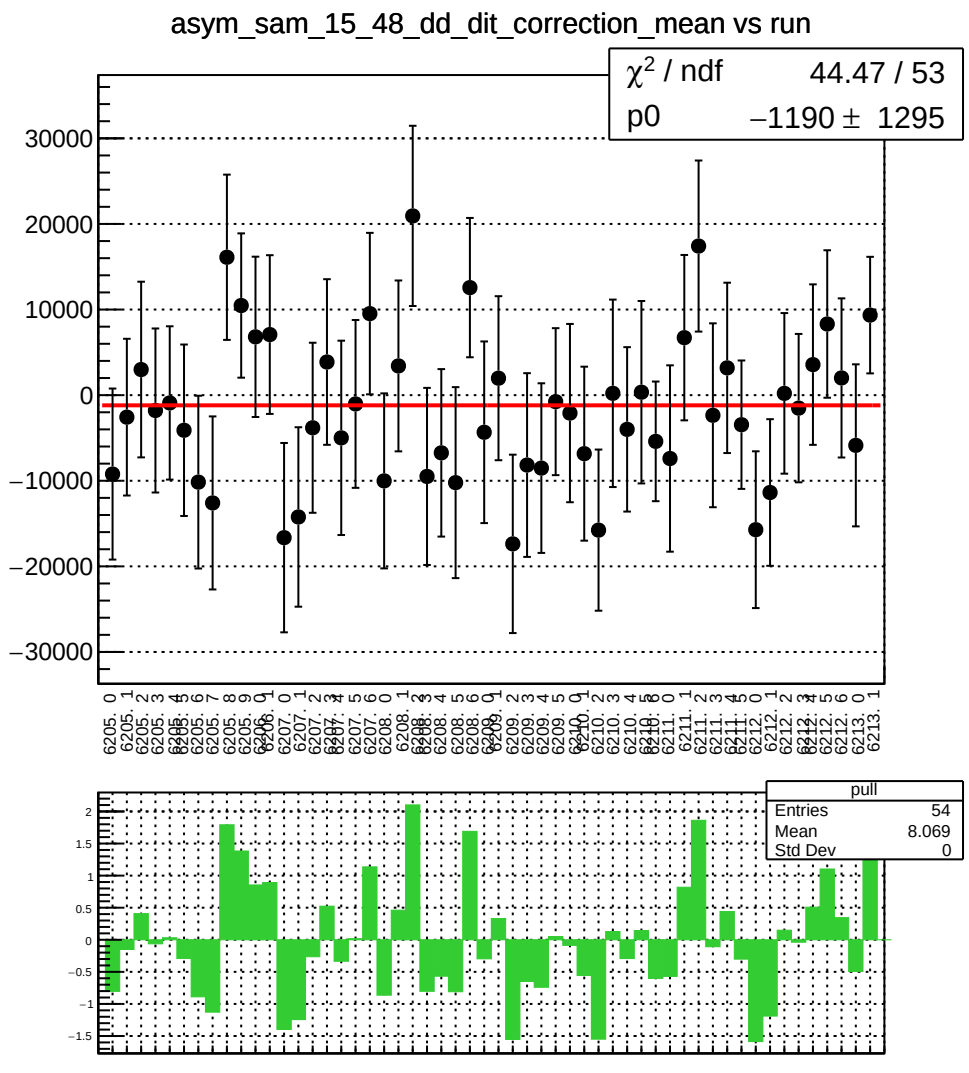
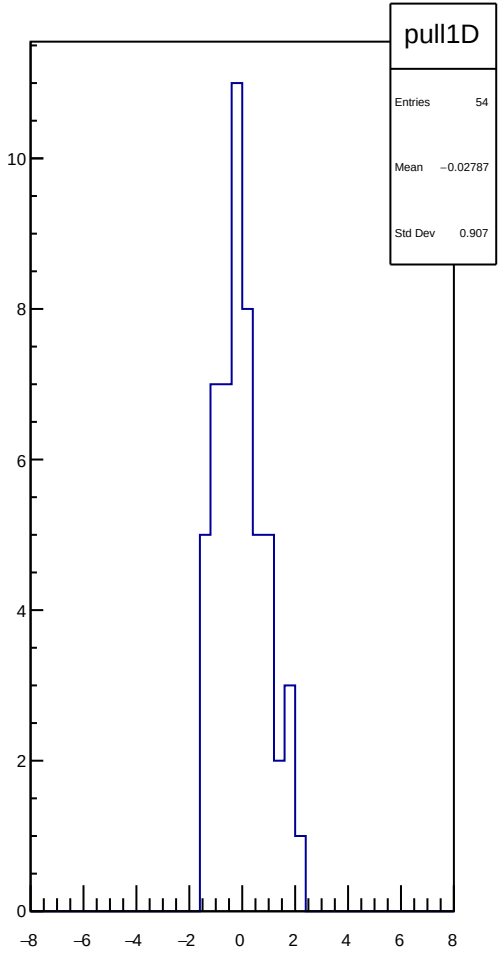
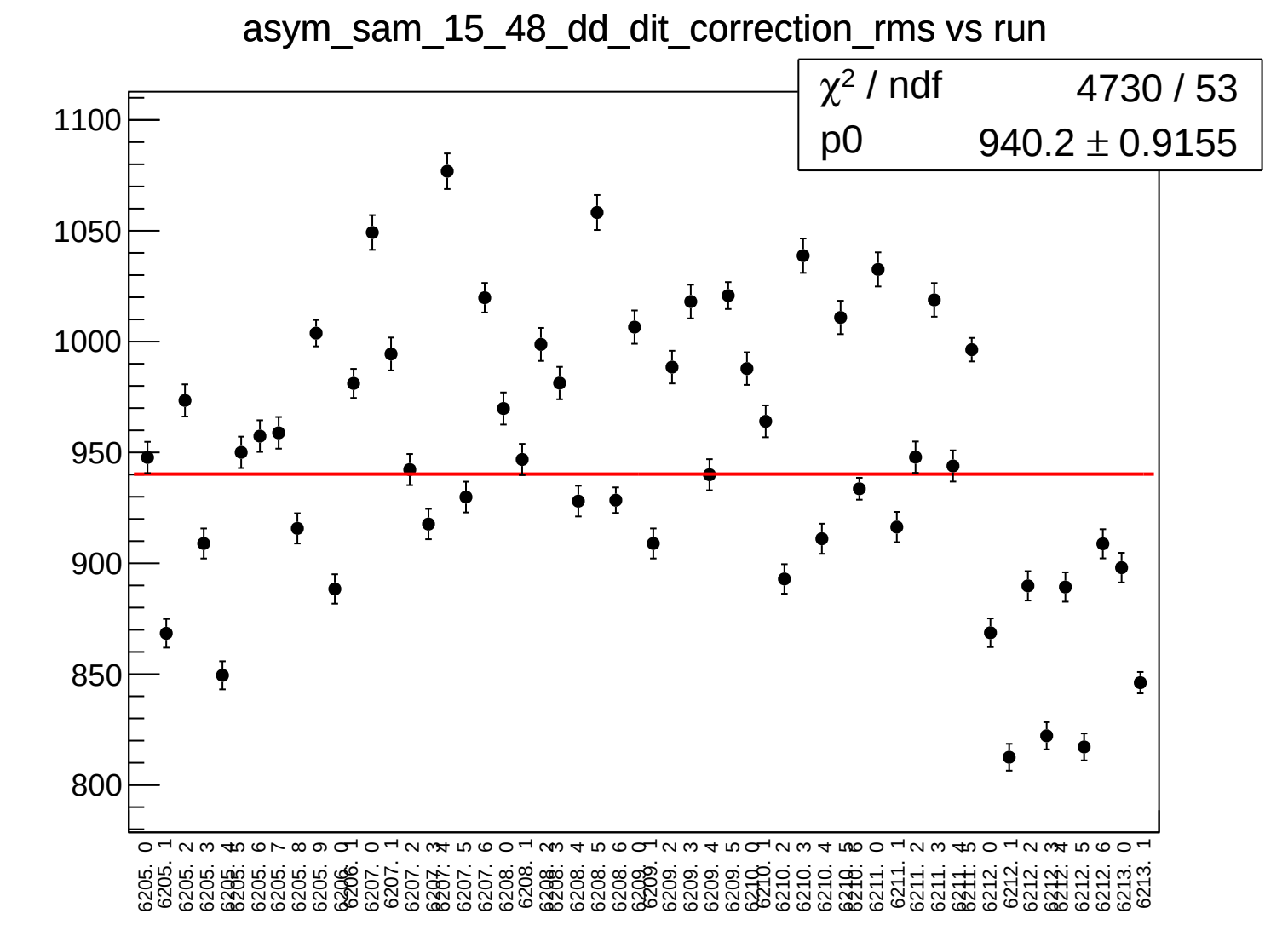
6213. 1


asym_sam_15_48_dd_dit_correction_mean vs run
χ² / ndf 44.47 / 53
p0 −1190 ± 1295
pull
Entries 54
Mean 8.069
Std Dev 0


pull1D
Entries 54
Mean −0.02787
Std Dev 0.907


asym_sam_15_48_dd_dit_correction_rms vs run
χ² / ndf 4730 / 53
p0 940.2 ± 0.9155
1100
1050
1000
950
900
850
800
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
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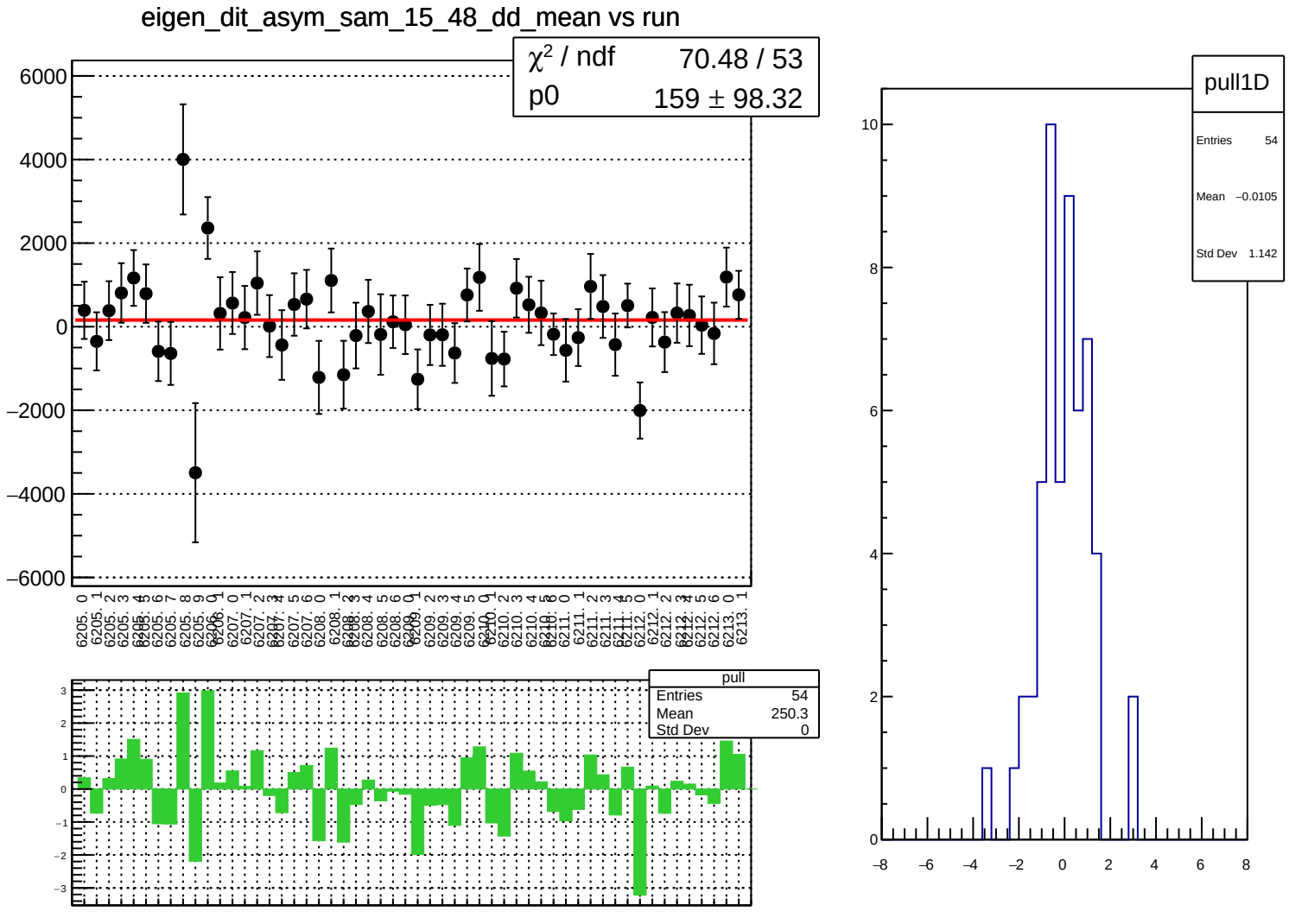
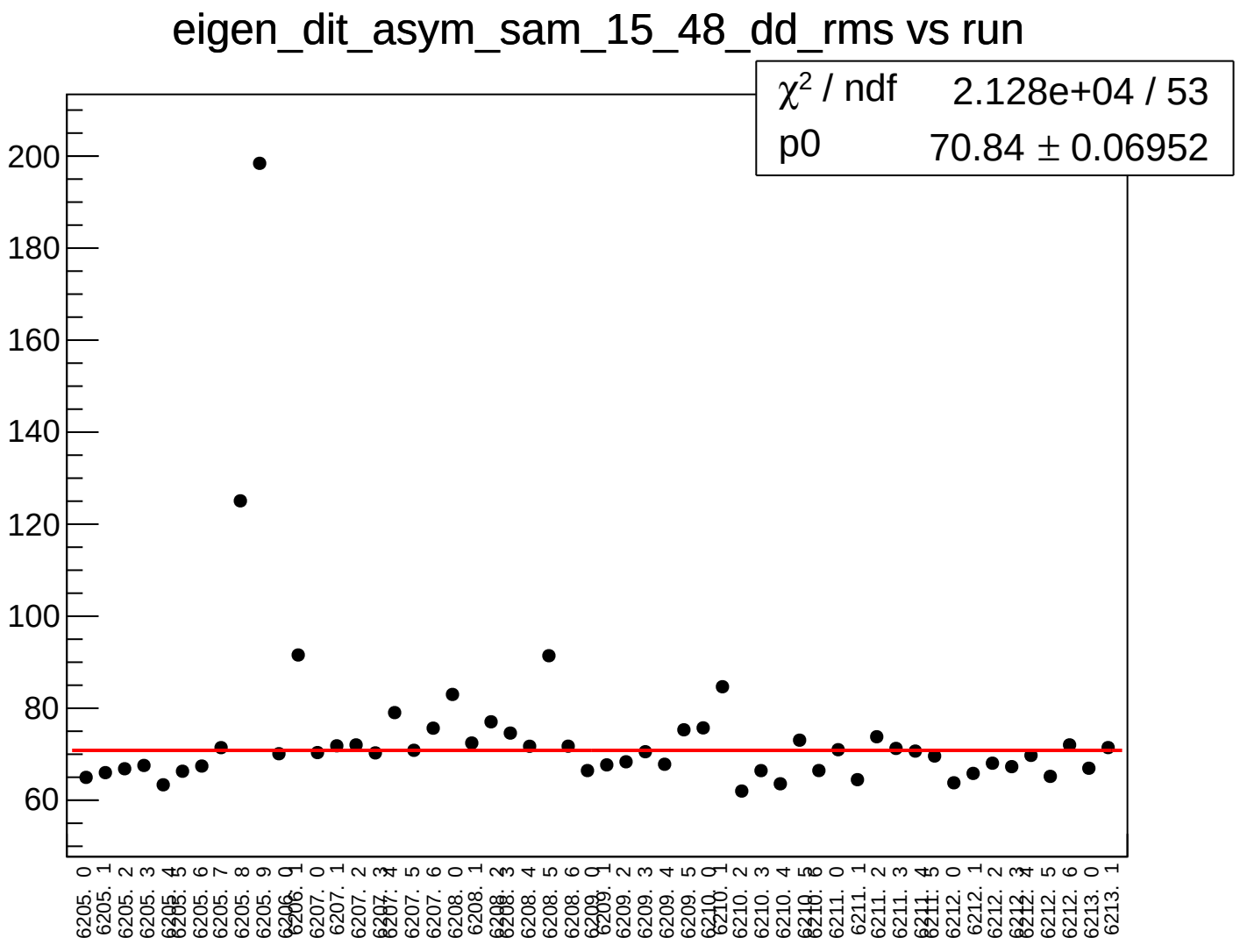
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


eigen_dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 70.48 / 53
p0 159 ± 98.32
pull
Entries 54
Mean 250.3
Std Dev 0
pull1D
Entries 54
Mean −0.0105
Std Dev 1.142


eigen_dit_asym_sam_15_48_dd_rms vs run
χ² / ndf 2.128e+04 / 53
p0 70.84 ± 0.06952
200
180
160
140
120
100
80
60
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
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6207. 6
6208. 0
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6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
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6210. 6
6211. 0
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6212. 0
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6212. 2
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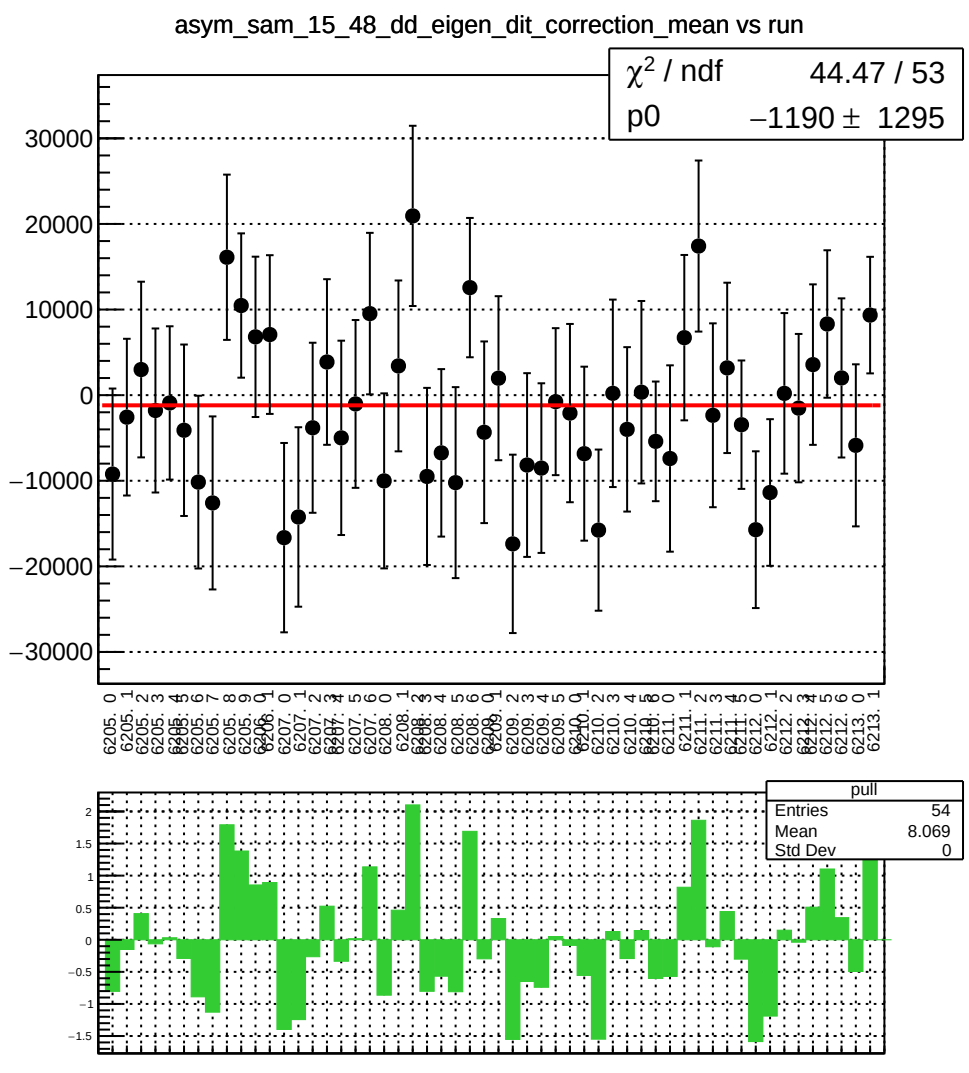
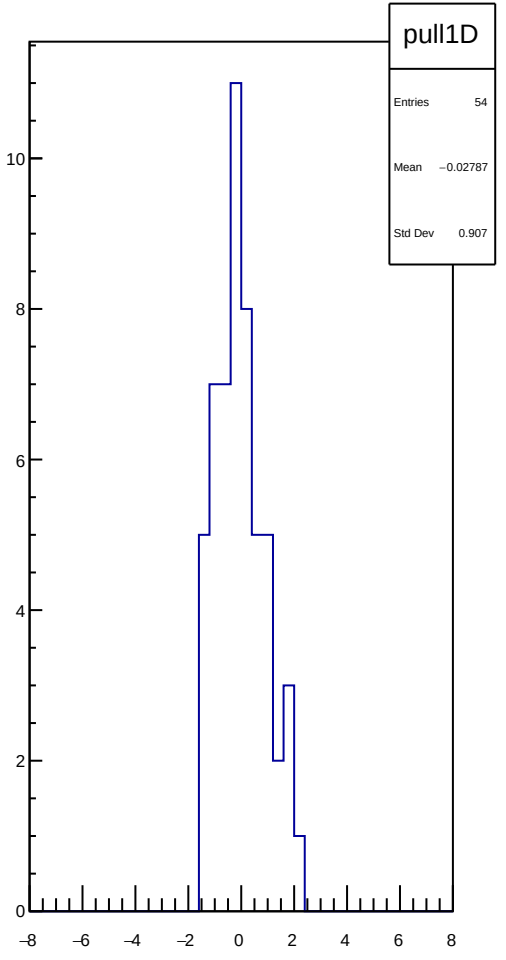
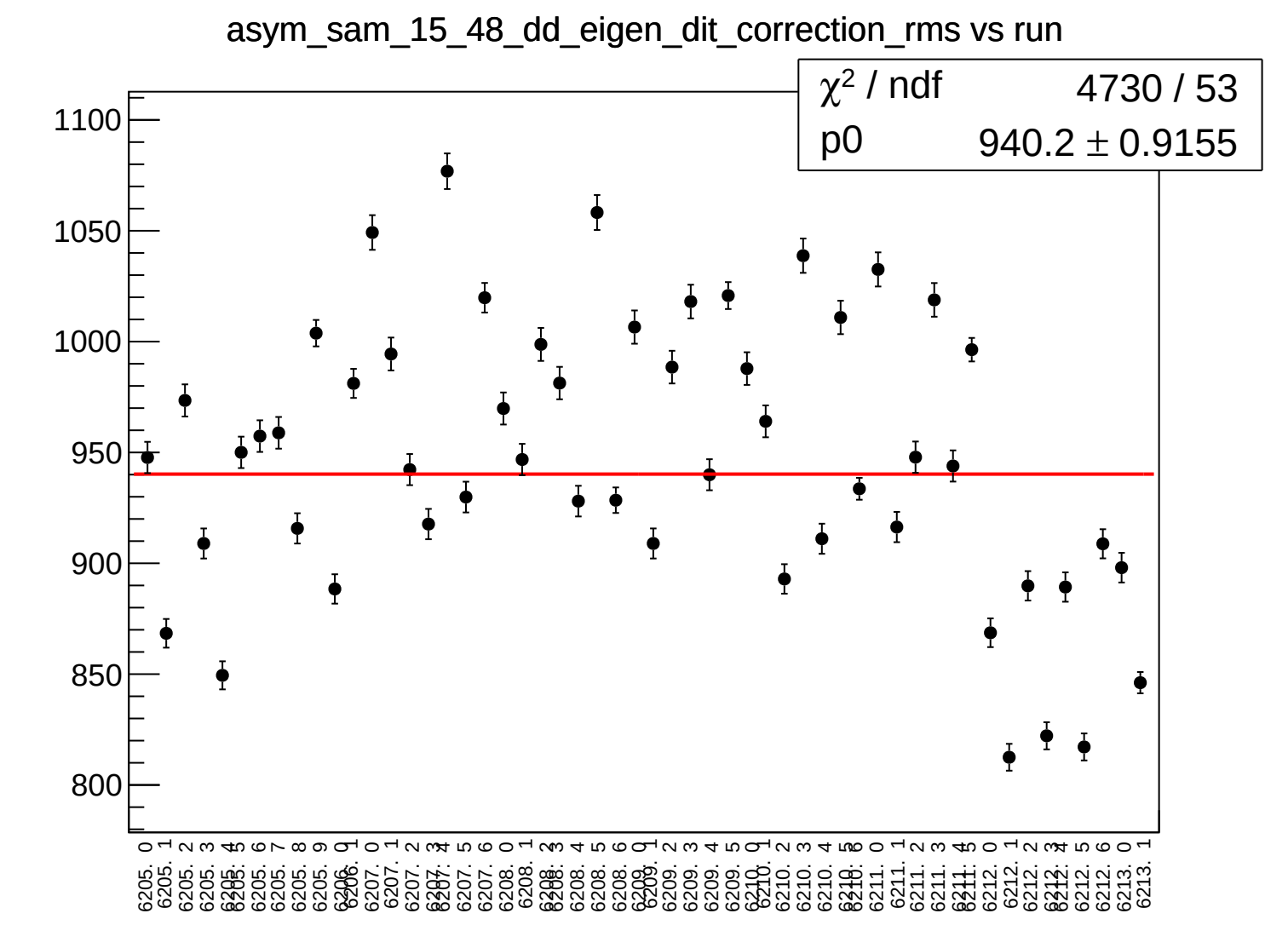
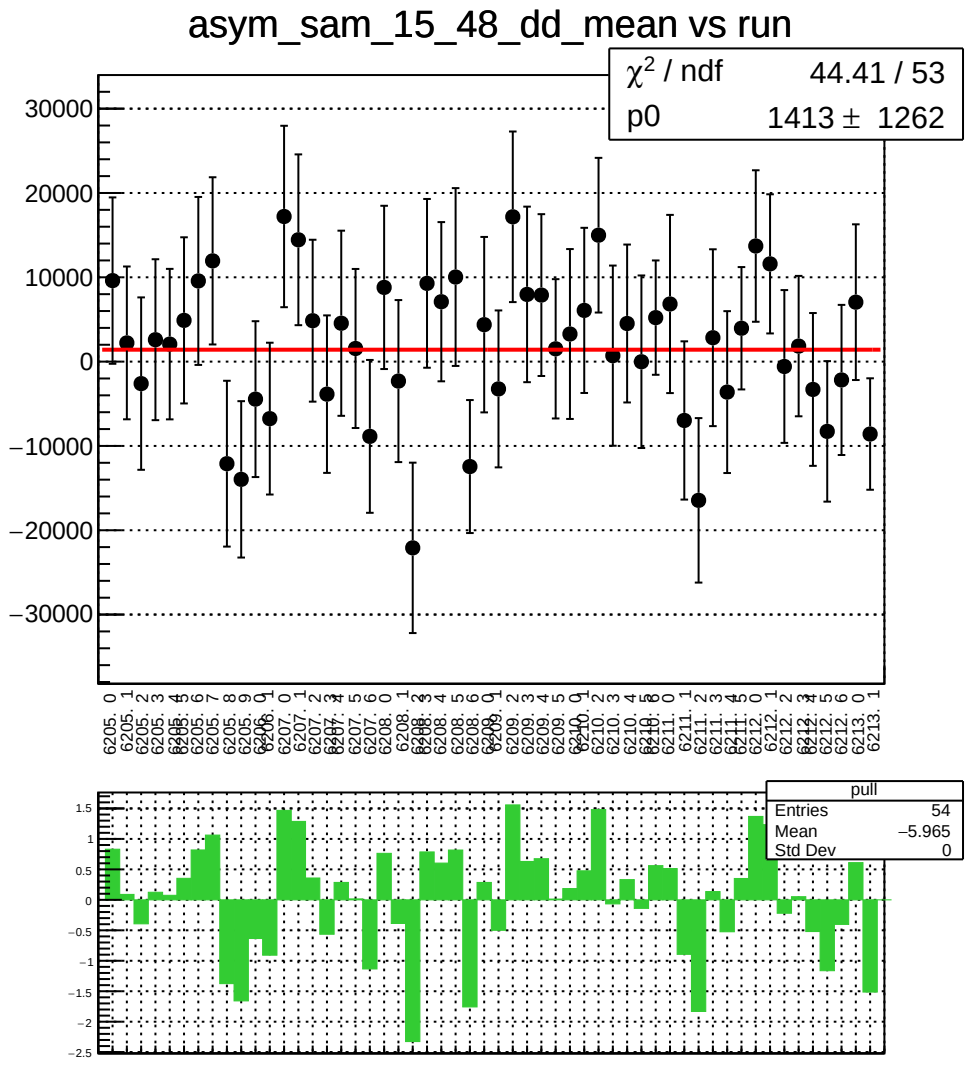
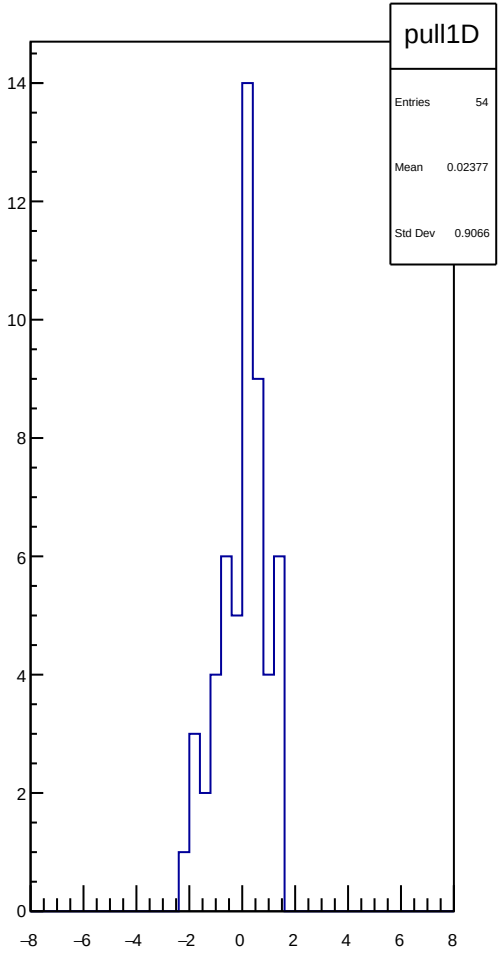
6213. 0
6213. 1

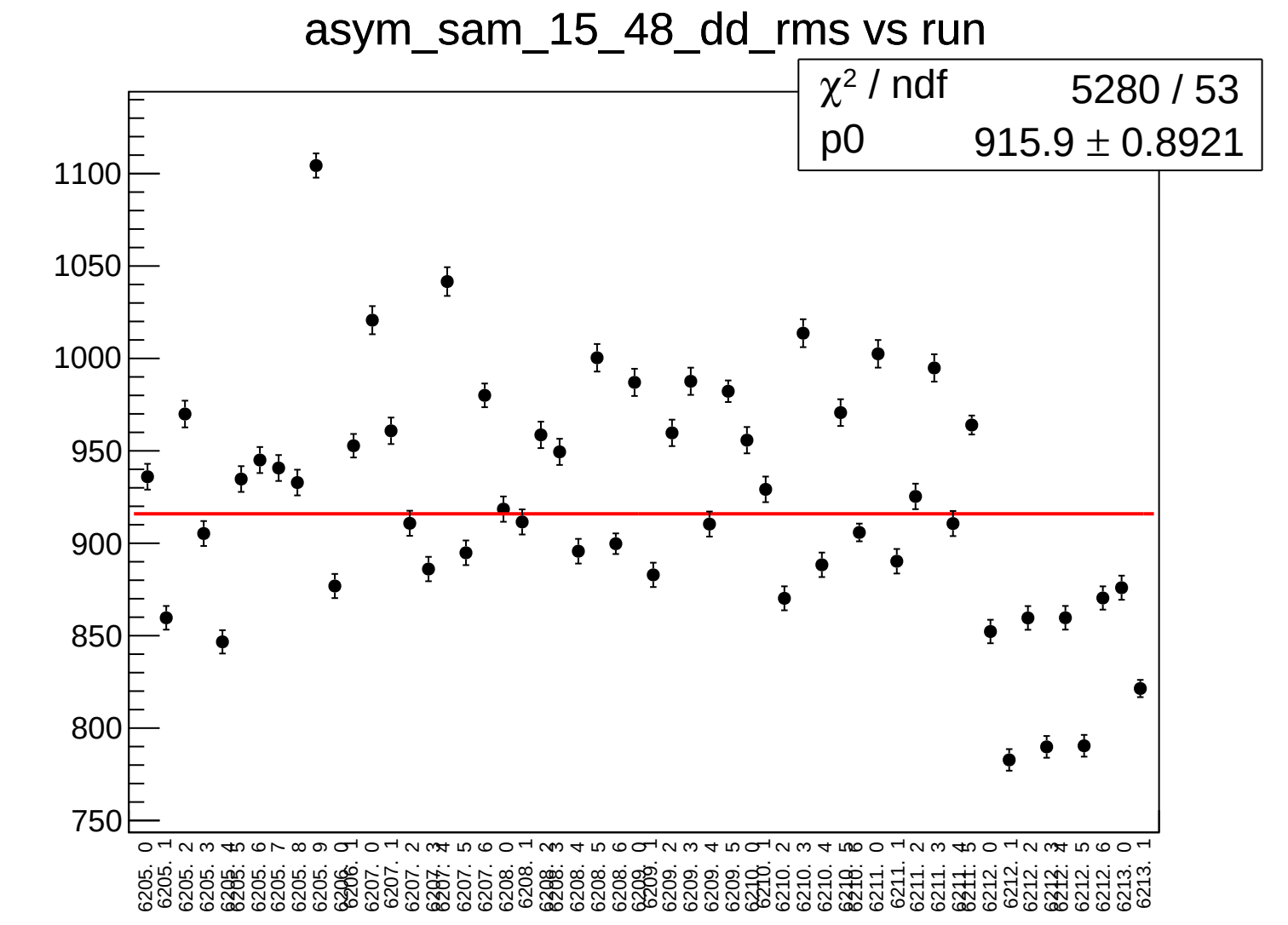

asym_sam_15_48_dd_eigen_dit_correction_mean vs run
χ² / ndf 44.47 / 53
p0 −1190 ± 1295
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 54
Mean 8.069
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

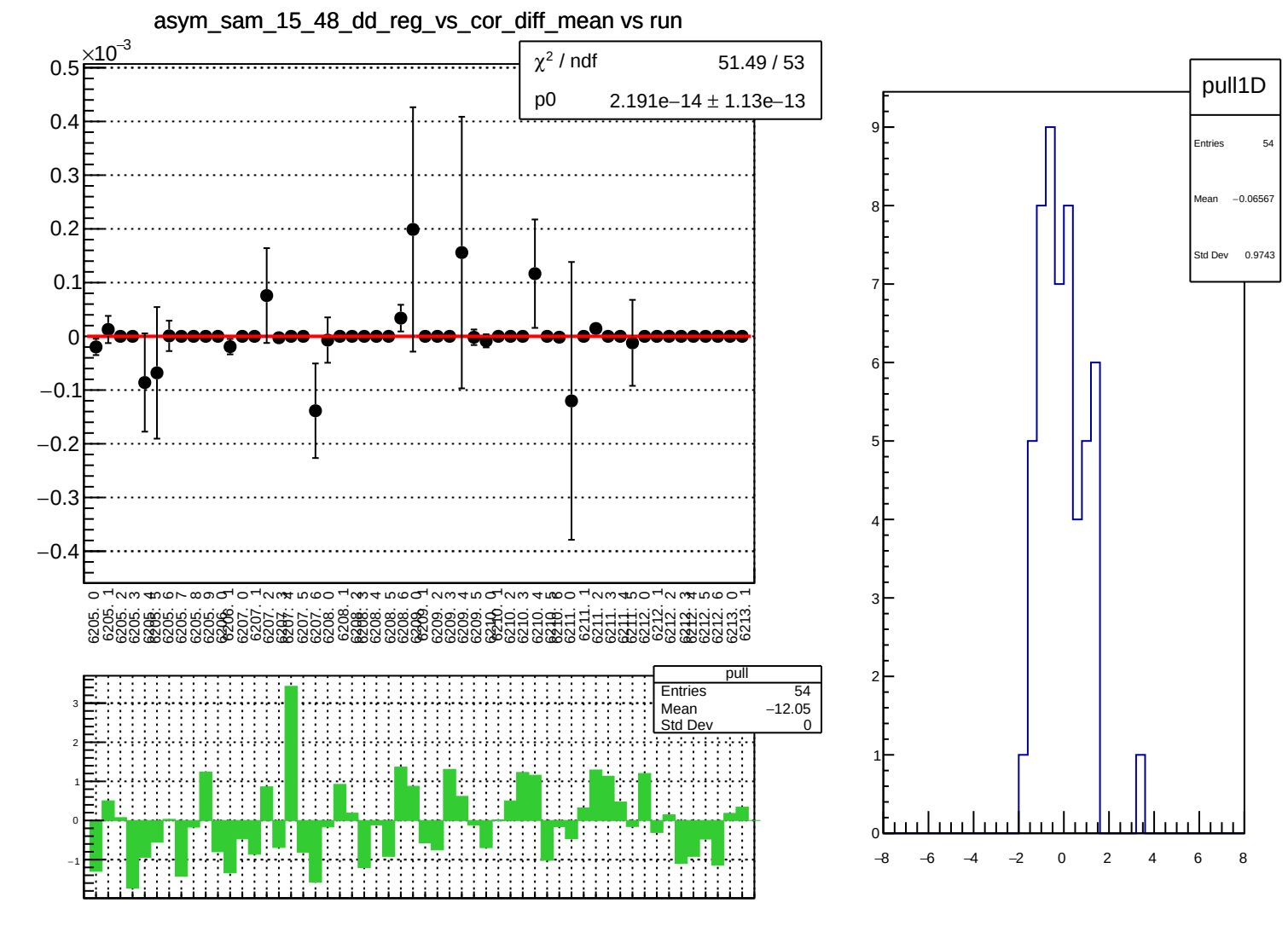

pull1D
Entries 54
Mean −0.02787
Std Dev 0.907
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

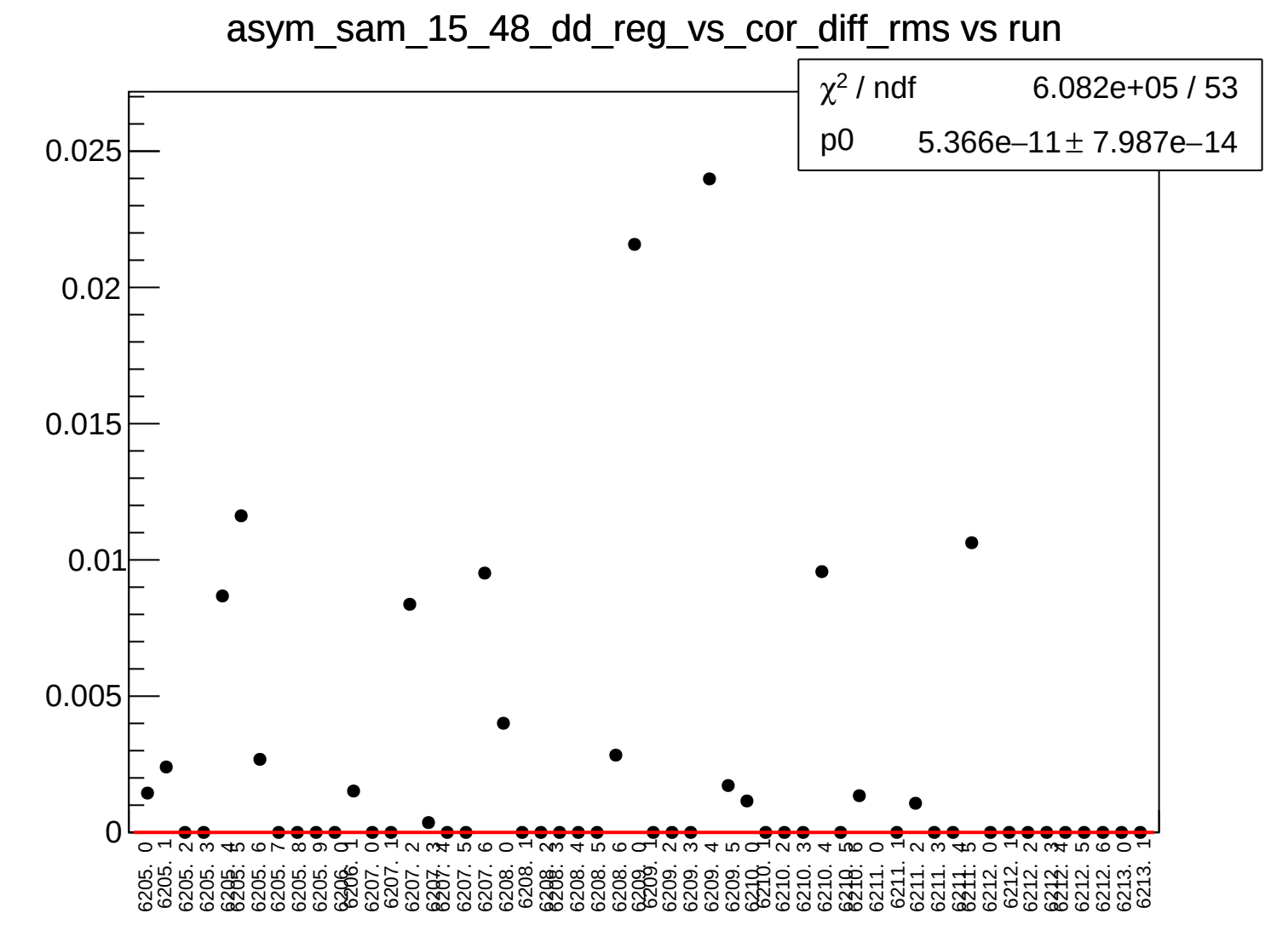

asym_sam_15_48_dd_eigen_dit_correction_rms vs run
χ² / ndf 4730 / 53
p0 940.2 ± 0.9155
1100
1050
1000
950
900
850
800
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

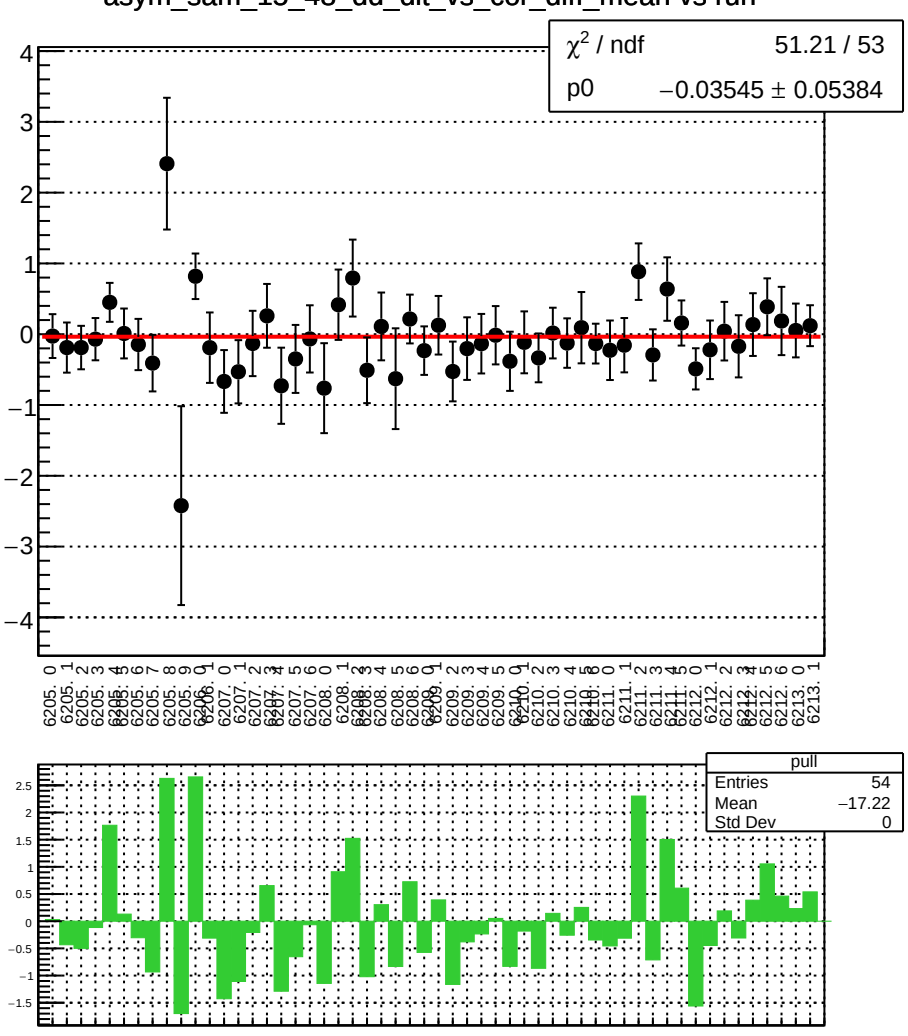

asym_sam_15_48_dd_mean vs run
χ² / ndf 44.41 / 53
p0 1413 ± 1262
pull
Entries 54
Mean −5.965
Std Dev 0

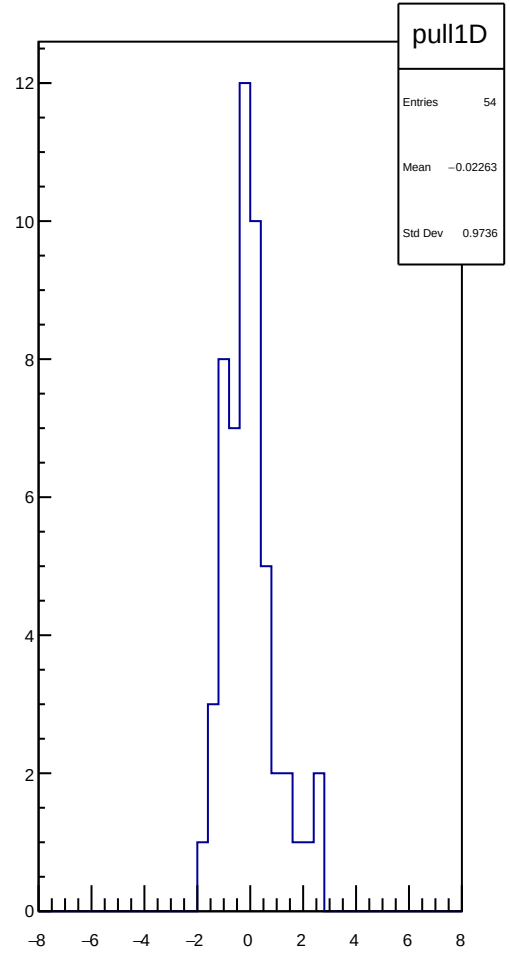

pull1D
Entries 54
Mean 0.02377
Std Dev 0.9066

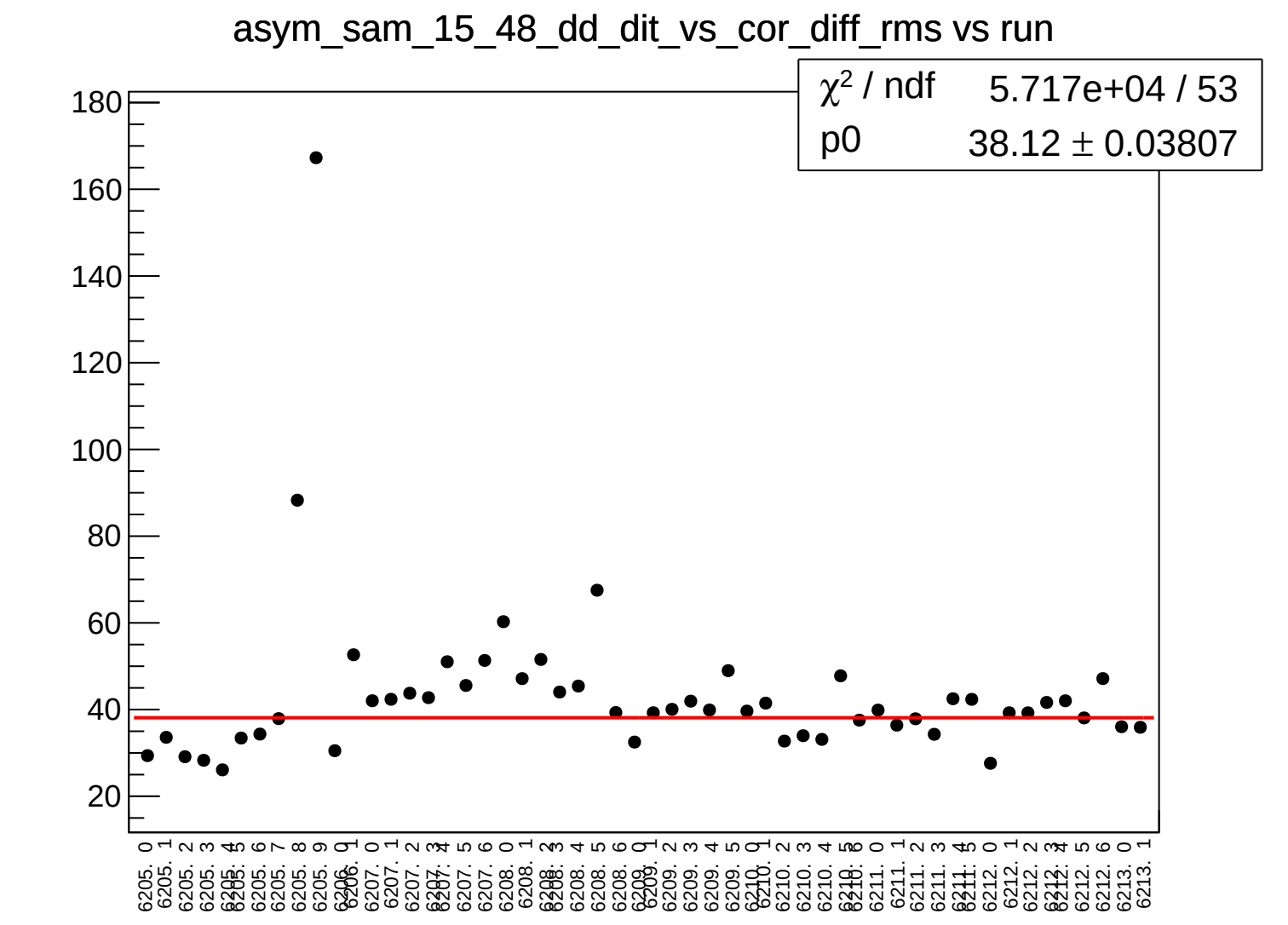

asym_sam_15_48_dd_rms vs run
χ² / ndf 5280 / 53
p0 915.9 ± 0.8921
1100
1050
1000
950
900
850
800
750
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

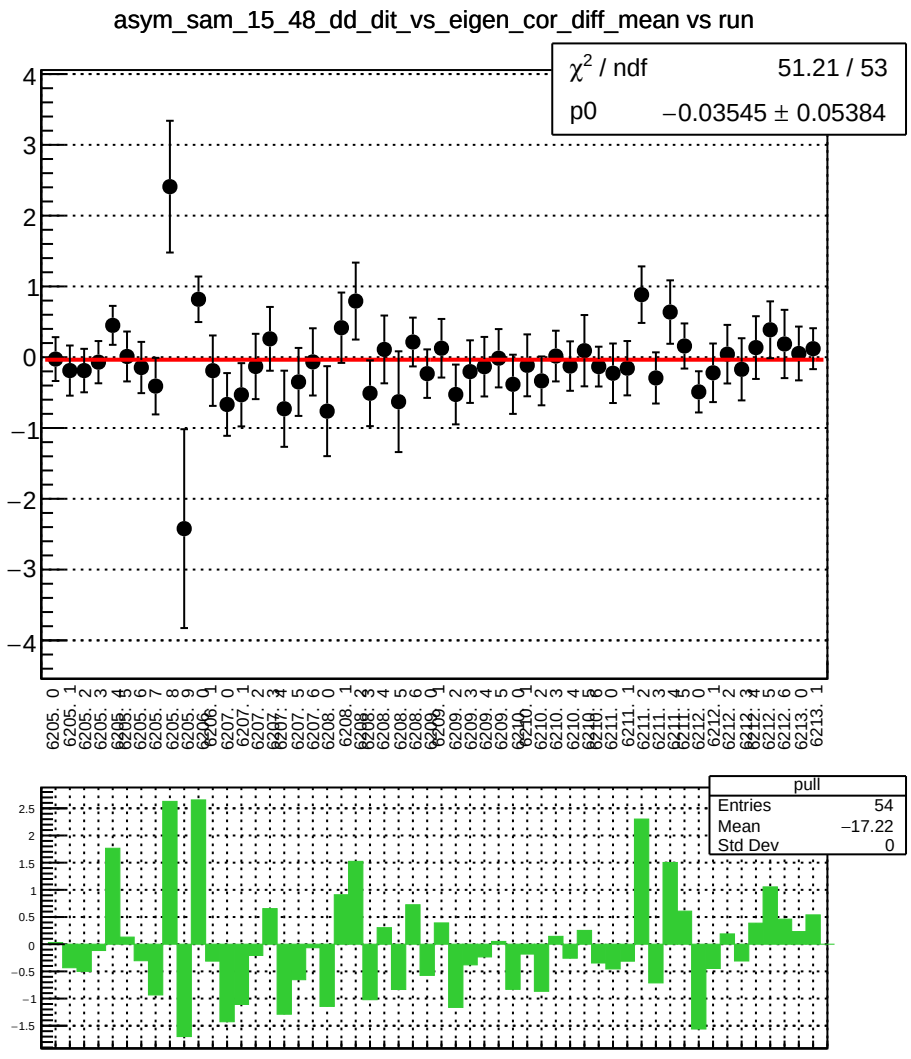

asym_sam_15_48_dd_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 51.49 / 53
p0 2.191e−14 ± 1.13e−13
pull
Entries 54
Mean −12.05
Std Dev 0
pull1D
Entries 54
Mean −0.06567
Std Dev 0.9743

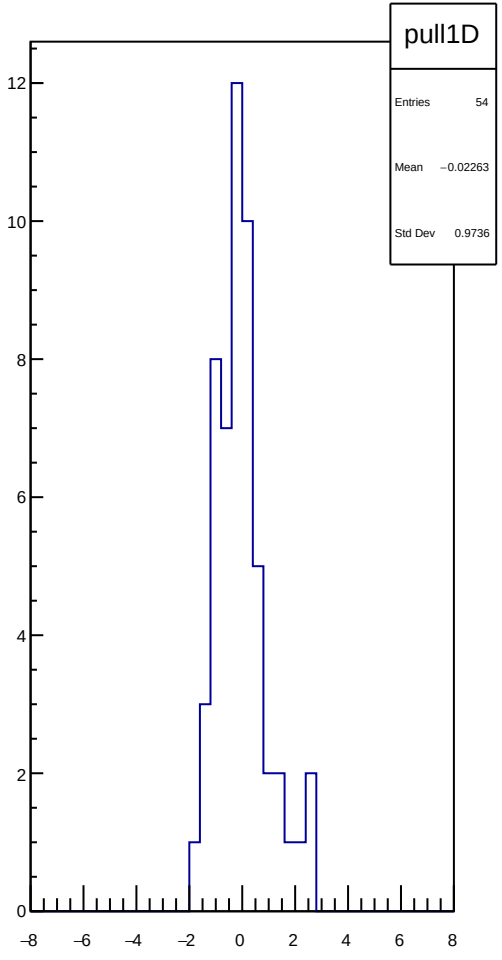

asym_sam_15_48_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.082e+05 / 53
p0 5.366e−11 ± 7.987e−14
0.025
0.02
0.015
0.01
0.005
0

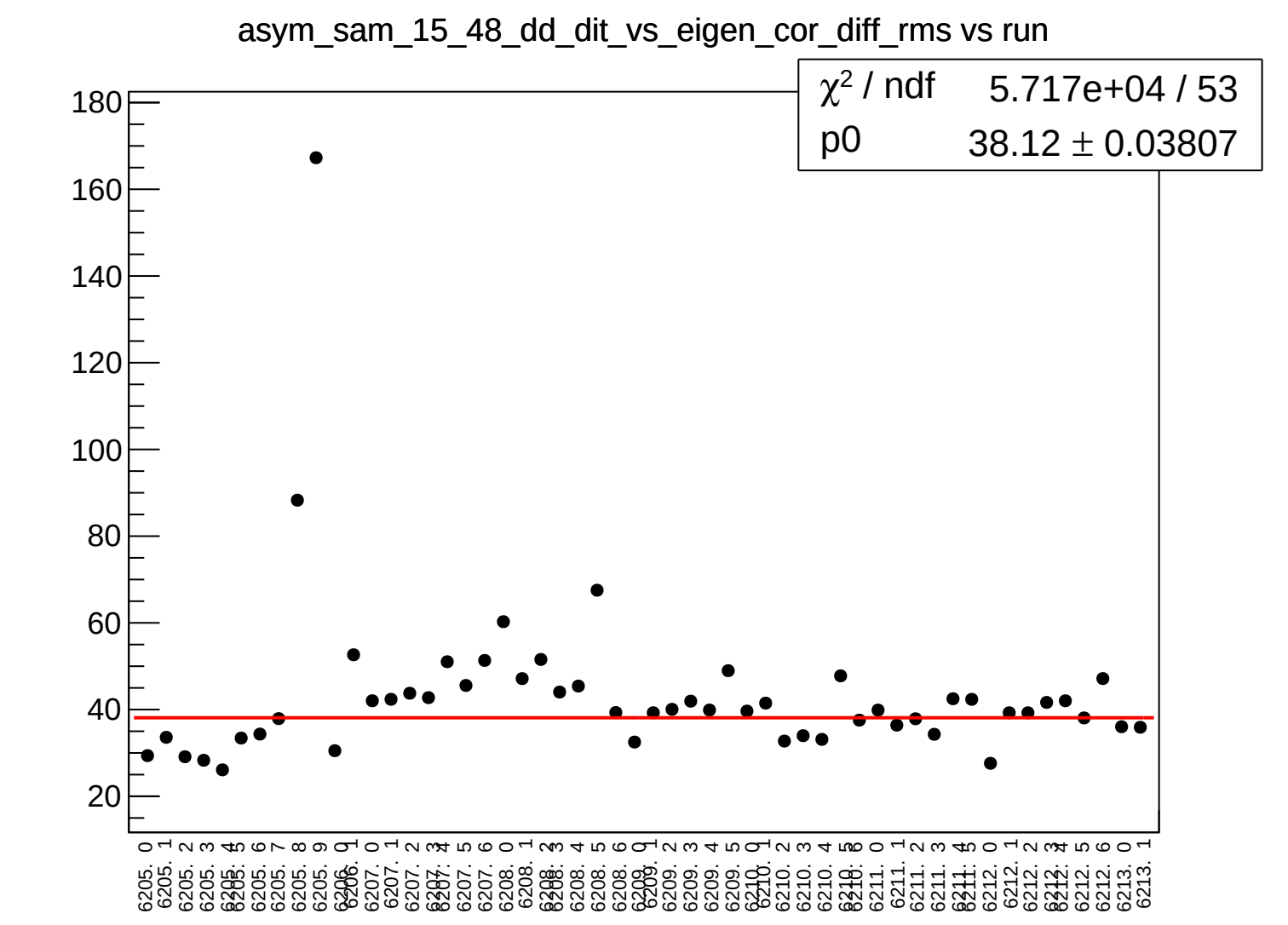

asym_sam_15_48_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 51.21 / 53
p0 −0.03545 ± 0.05384
pull
Entries 54
Mean −17.22
Std Dev 0

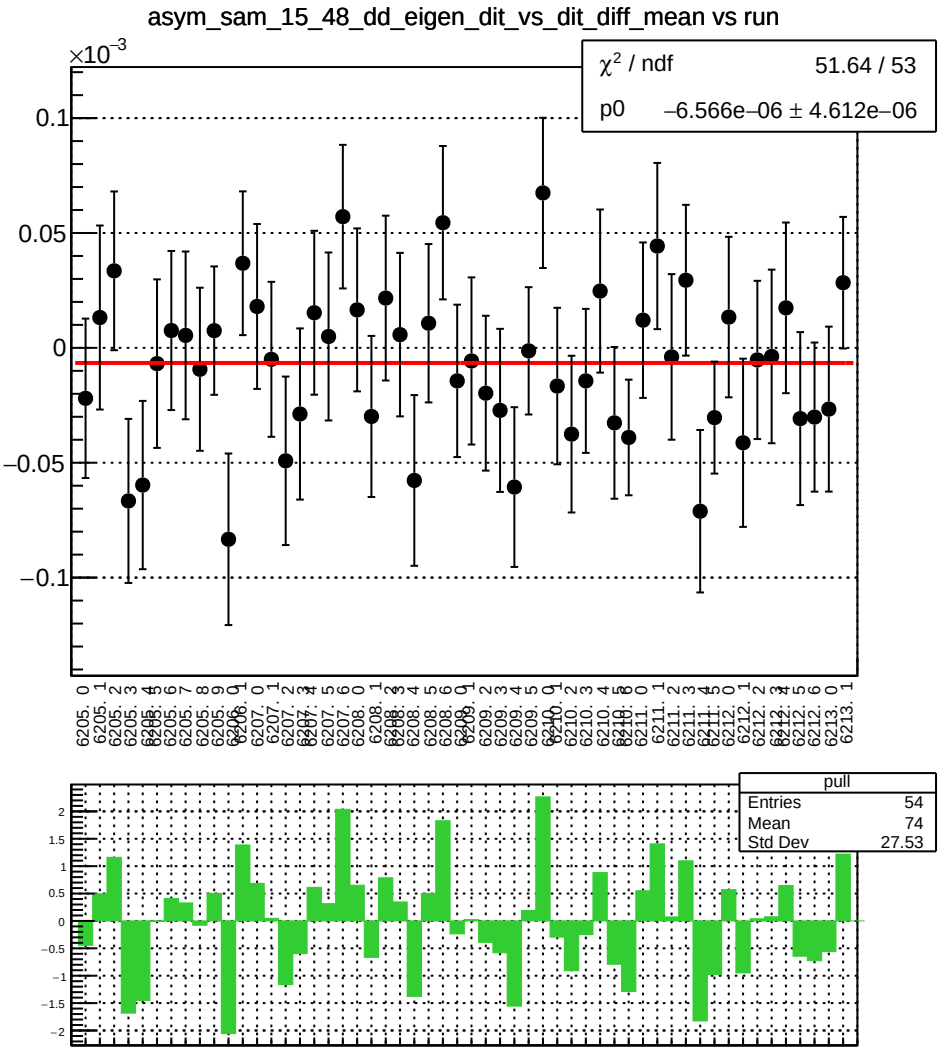

pull1D
Entries 54
Mean −0.02263
Std Dev 0.9736

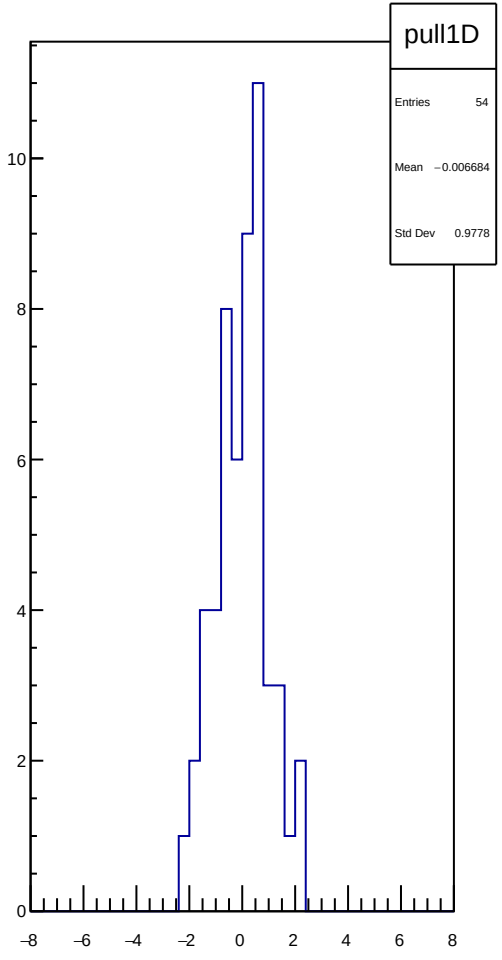

asym_sam_15_48_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 5.717e+04 / 53
p0 38.12 ± 0.03807
180
160
140
120
100
80
60
40
20
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

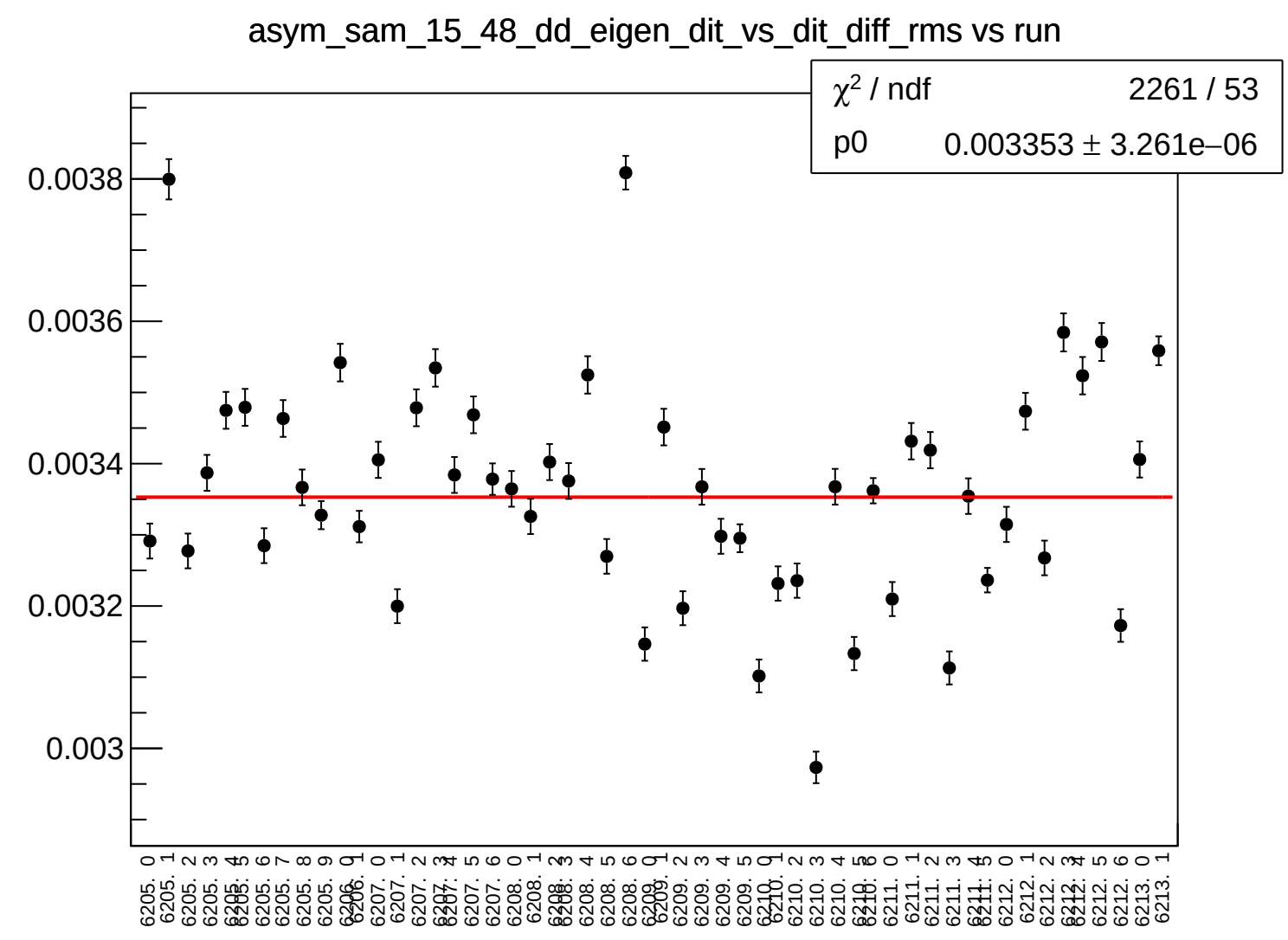

asym_sam_15_48_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 51.21 / 53
p0 −0.03545 ± 0.05384
pull
Entries 54
Mean −17.22
Std Dev 0

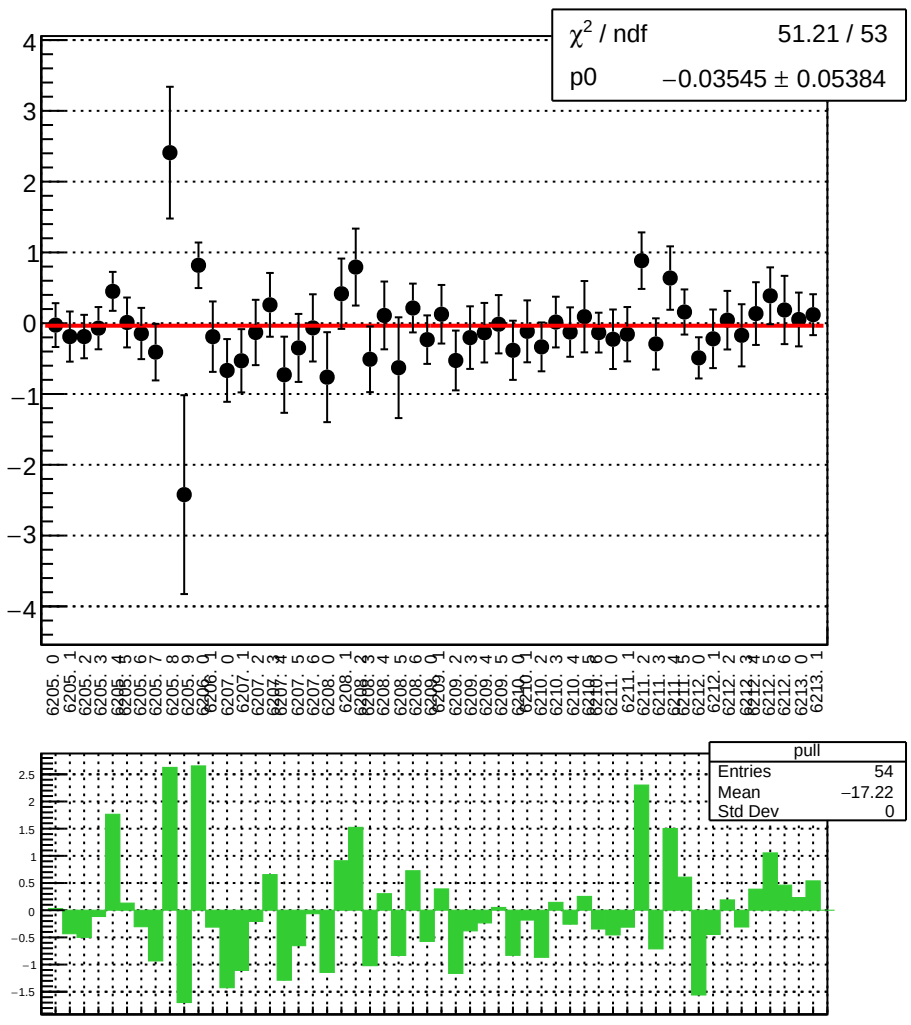

pull1D
Entries 54
Mean −0.02263
Std Dev 0.9736

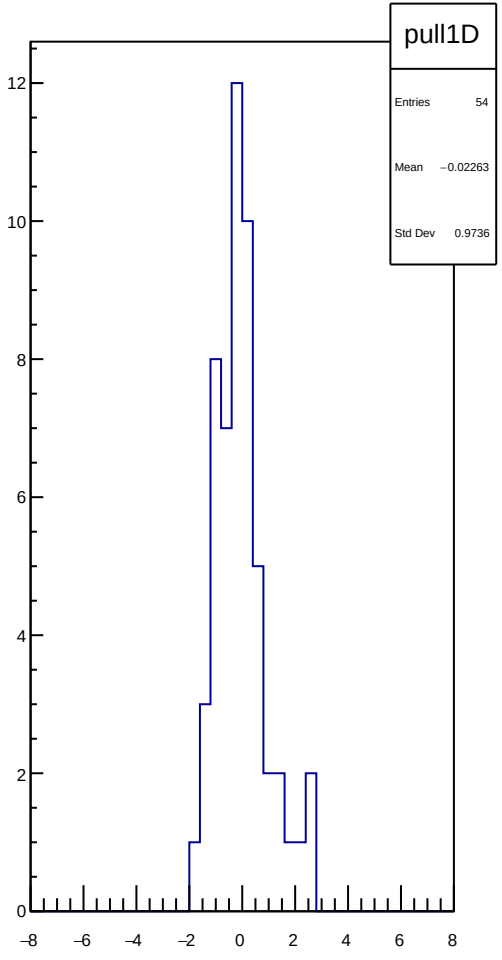

asym_sam_15_48_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.717e+04 / 53
p0 38.12 ± 0.03807
180
160
140
120
100
80
60
40
20
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6208. 7
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6209. 6
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

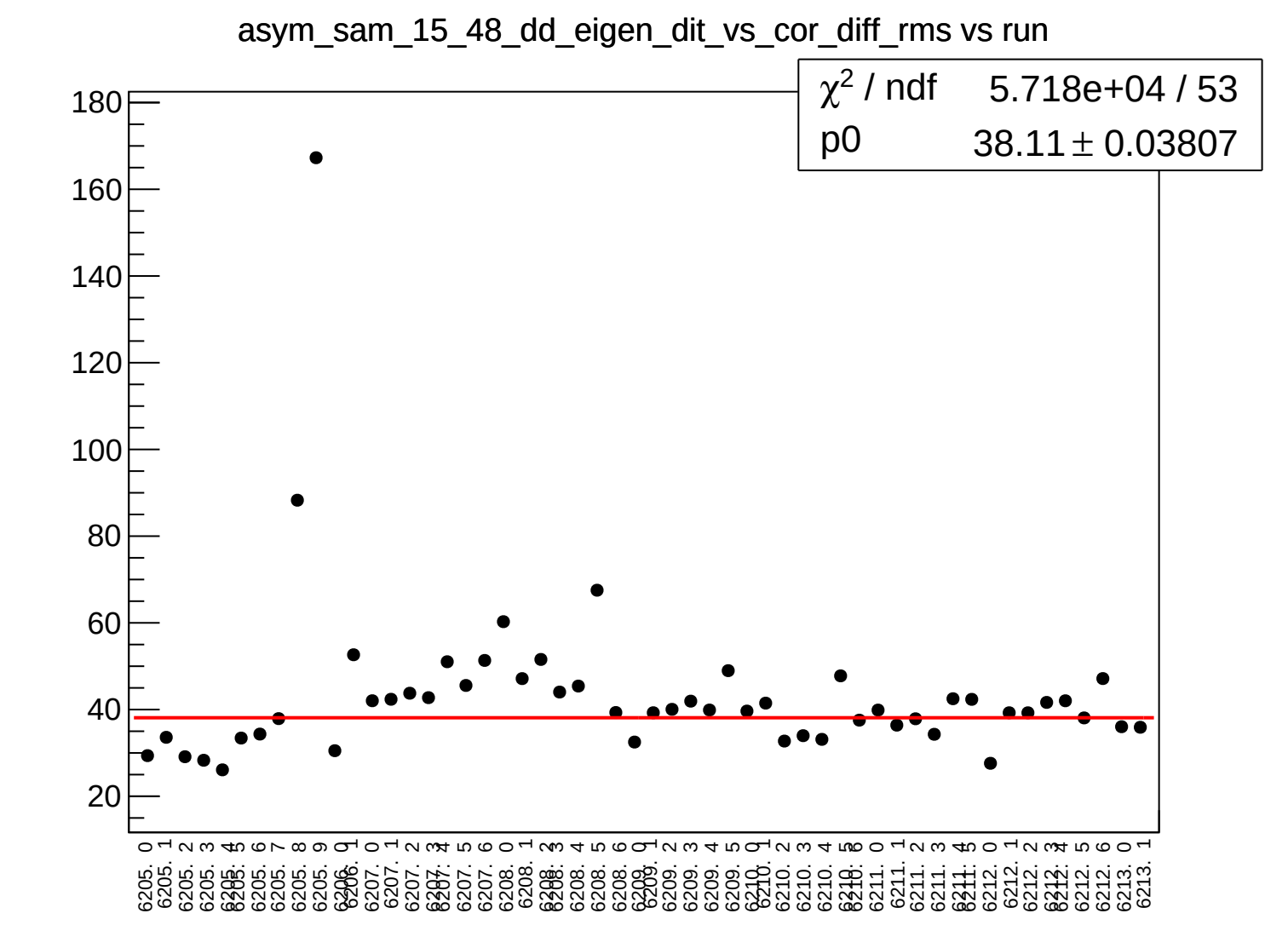

asym_sam_15_48_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 51.64 / 53
p0 −6.566e−06 ± 4.612e−06
pull
Entries 54
Mean 74
Std Dev 27.53

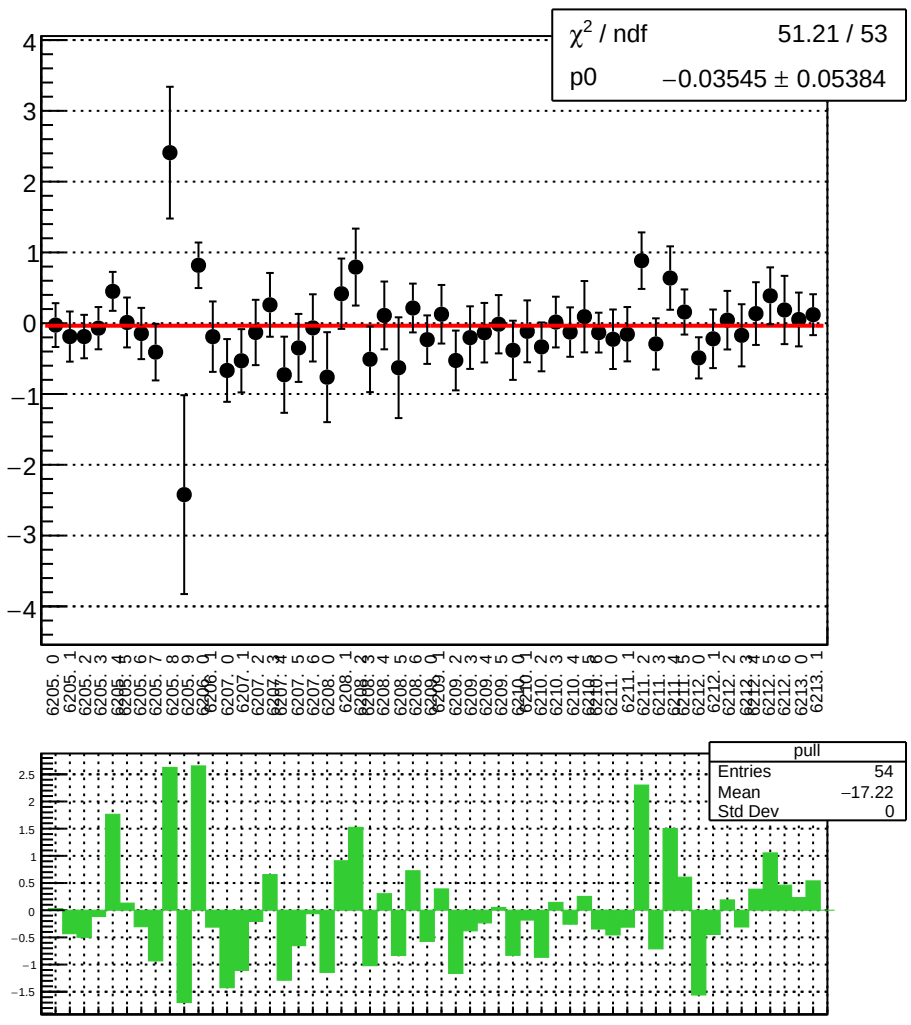

pull1D
Entries 54
Mean −0.006684
Std Dev 0.9778

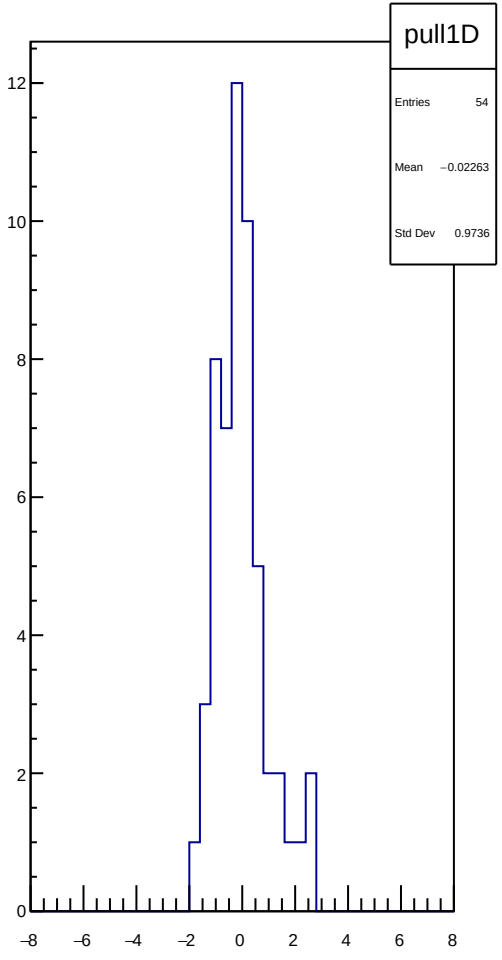

asym_sam_15_48_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2261 / 53
p0 0.003353 ± 3.261e−06
0.0038
0.0036
0.0034
0.0032
0.003
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

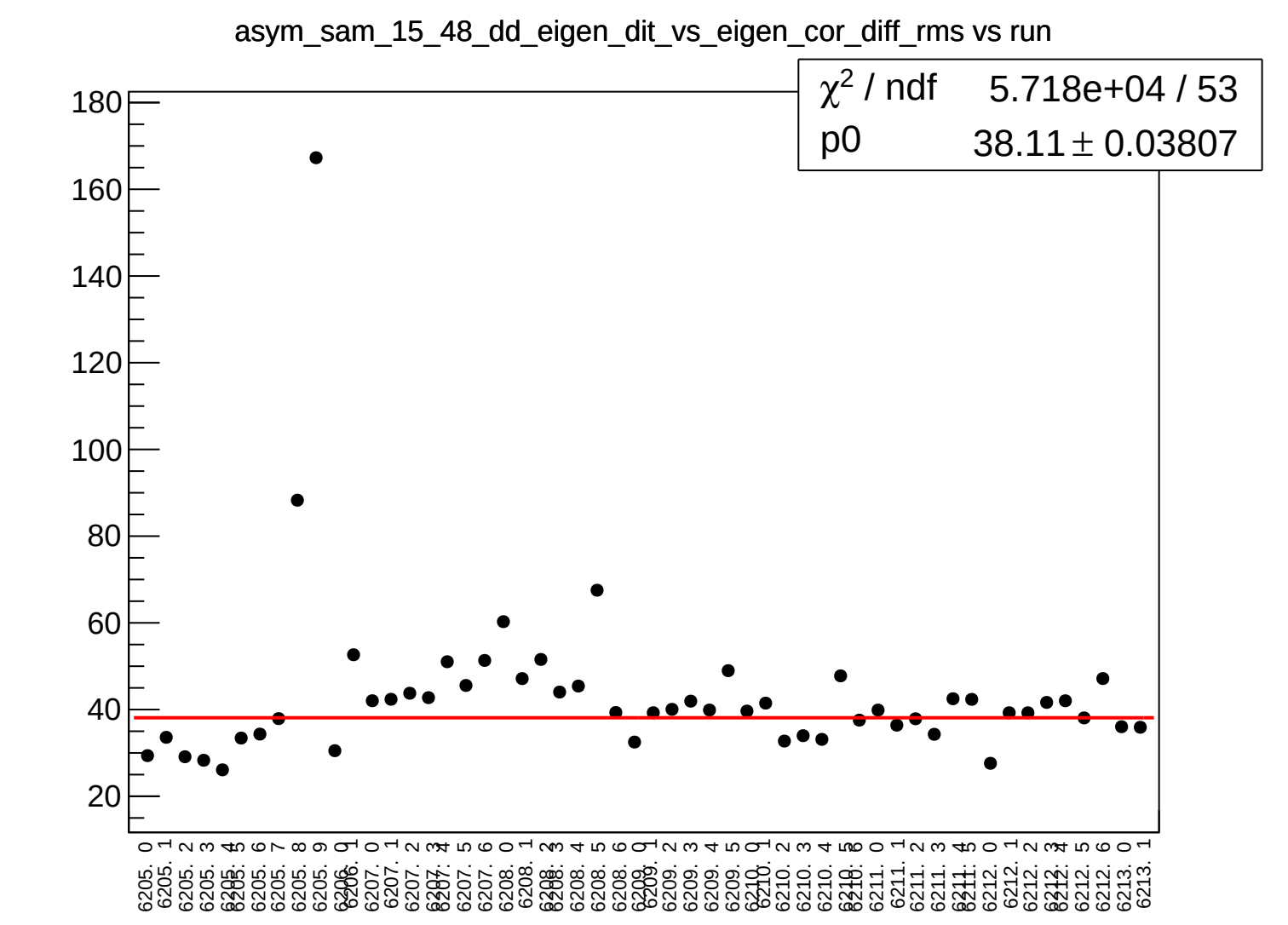

asym_sam_15_48_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 51.21 / 53
p0 −0.03545 ± 0.05384
pull
Entries 54
Mean −17.22
Std Dev 0

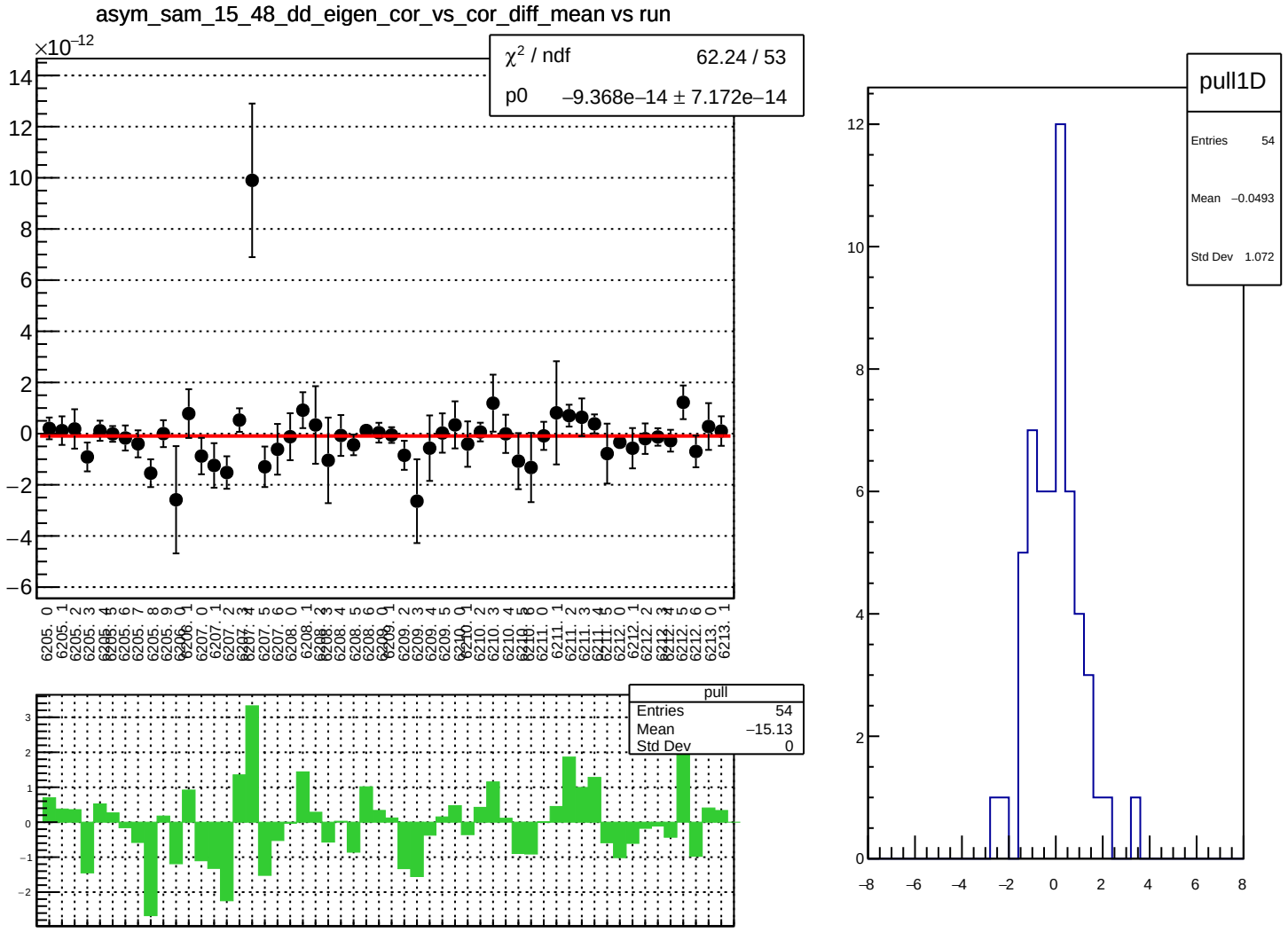

pull1D
Entries 54
Mean −0.02263
Std Dev 0.9736

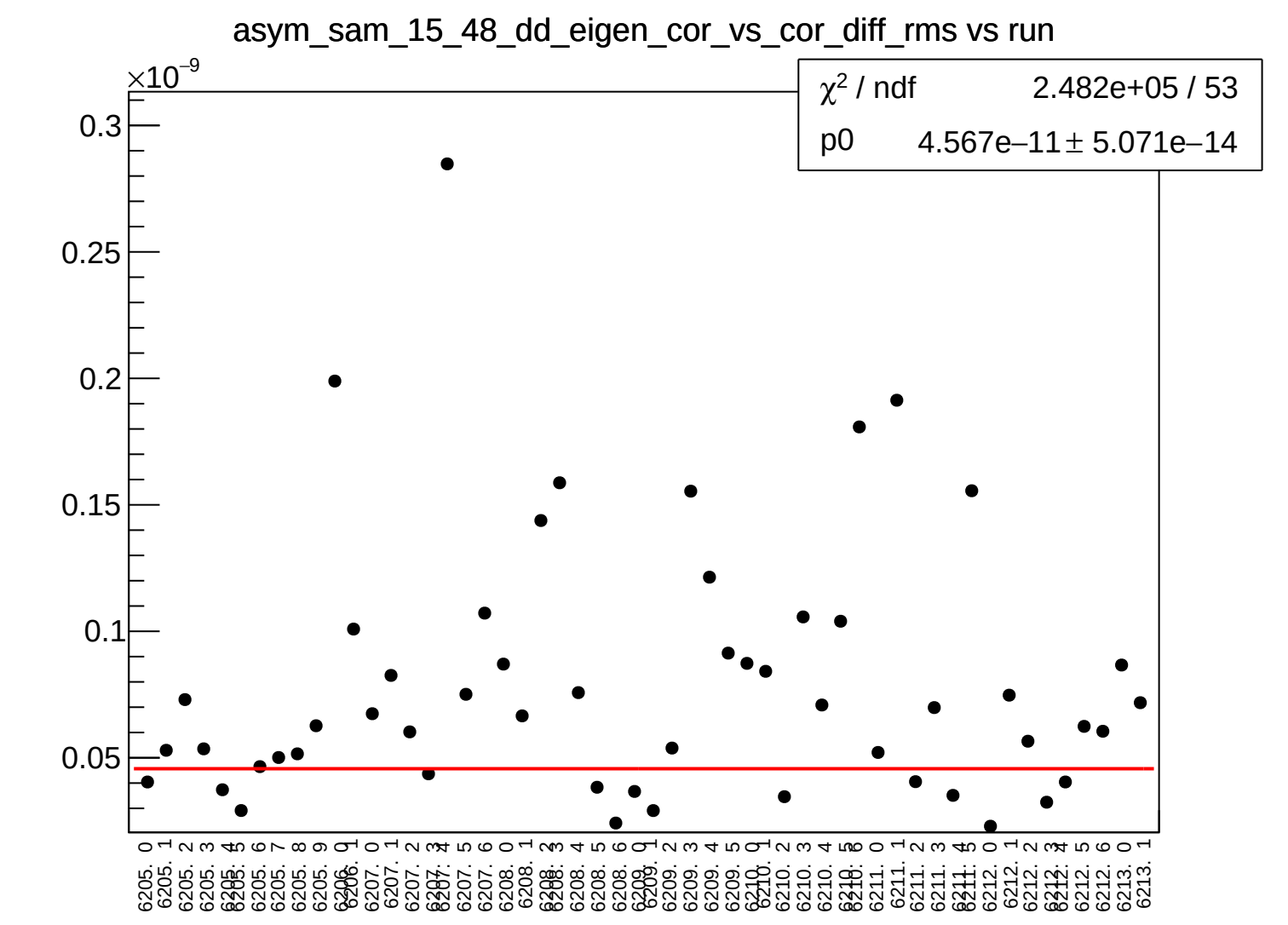

asym_sam_15_48_dd_eigen_dit_vs_cor_diff_rms vs run
χ^2 / ndf 5.718e+04 / 53
p0 38.11 ± 0.03807
180
160
140
120
100
80
60
40
20
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

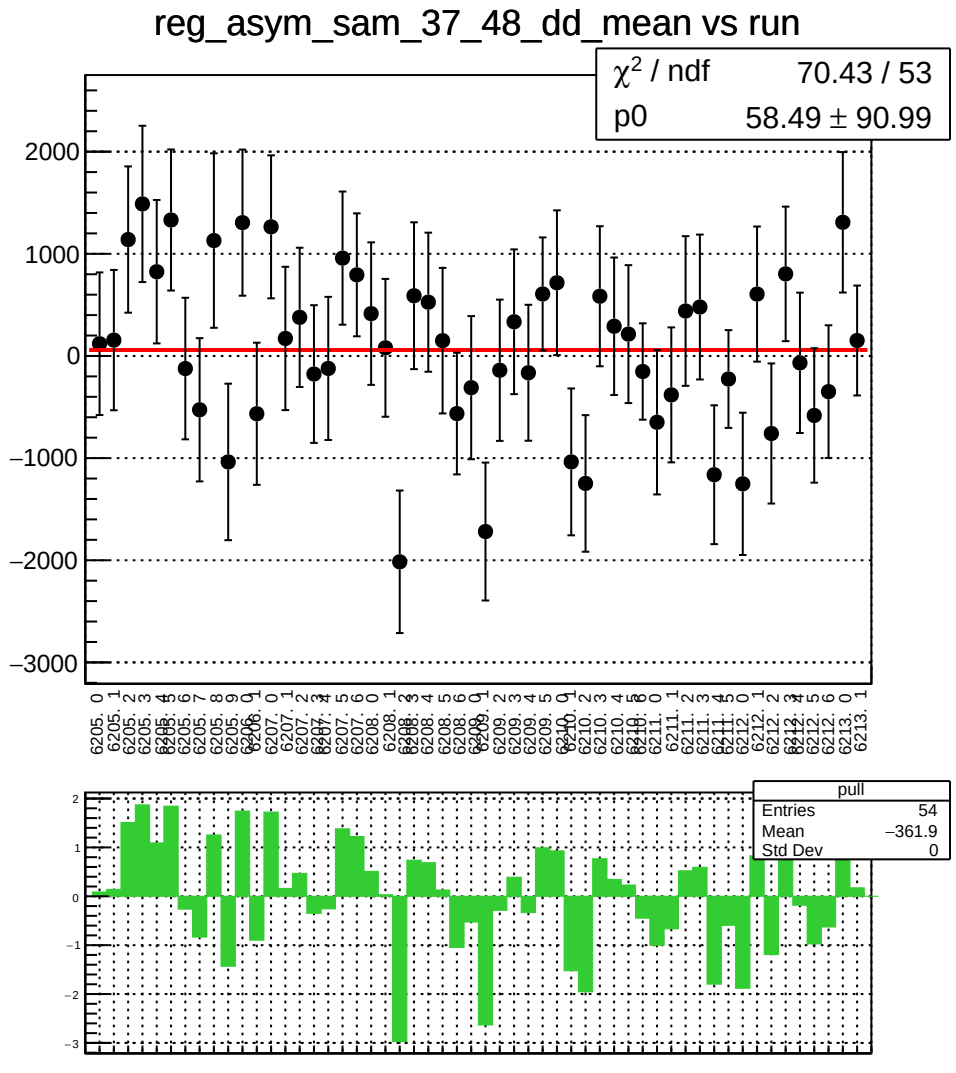

asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 51.21 / 53
p0 −0.03545 ± 0.05384
pull
Entries 54
Mean −17.22
Std Dev 0

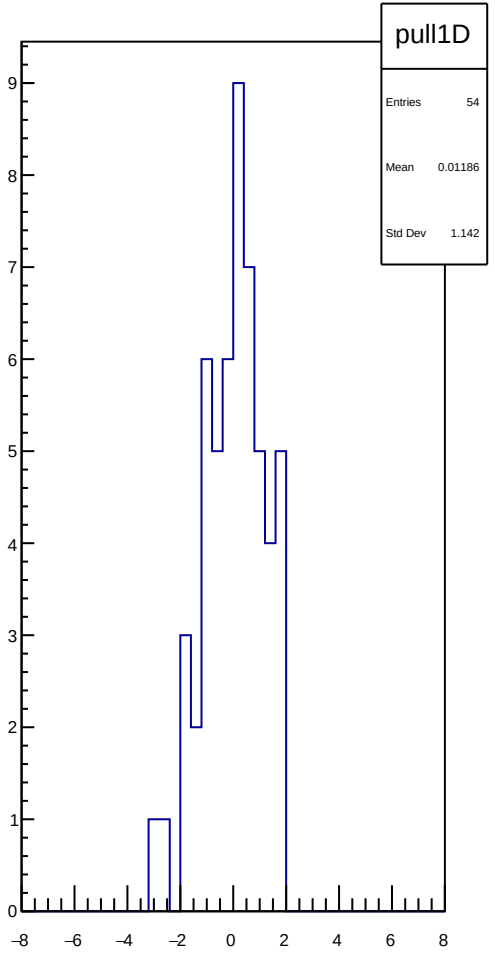

pull1D
Entries 54
Mean −0.02263
Std Dev 0.9736

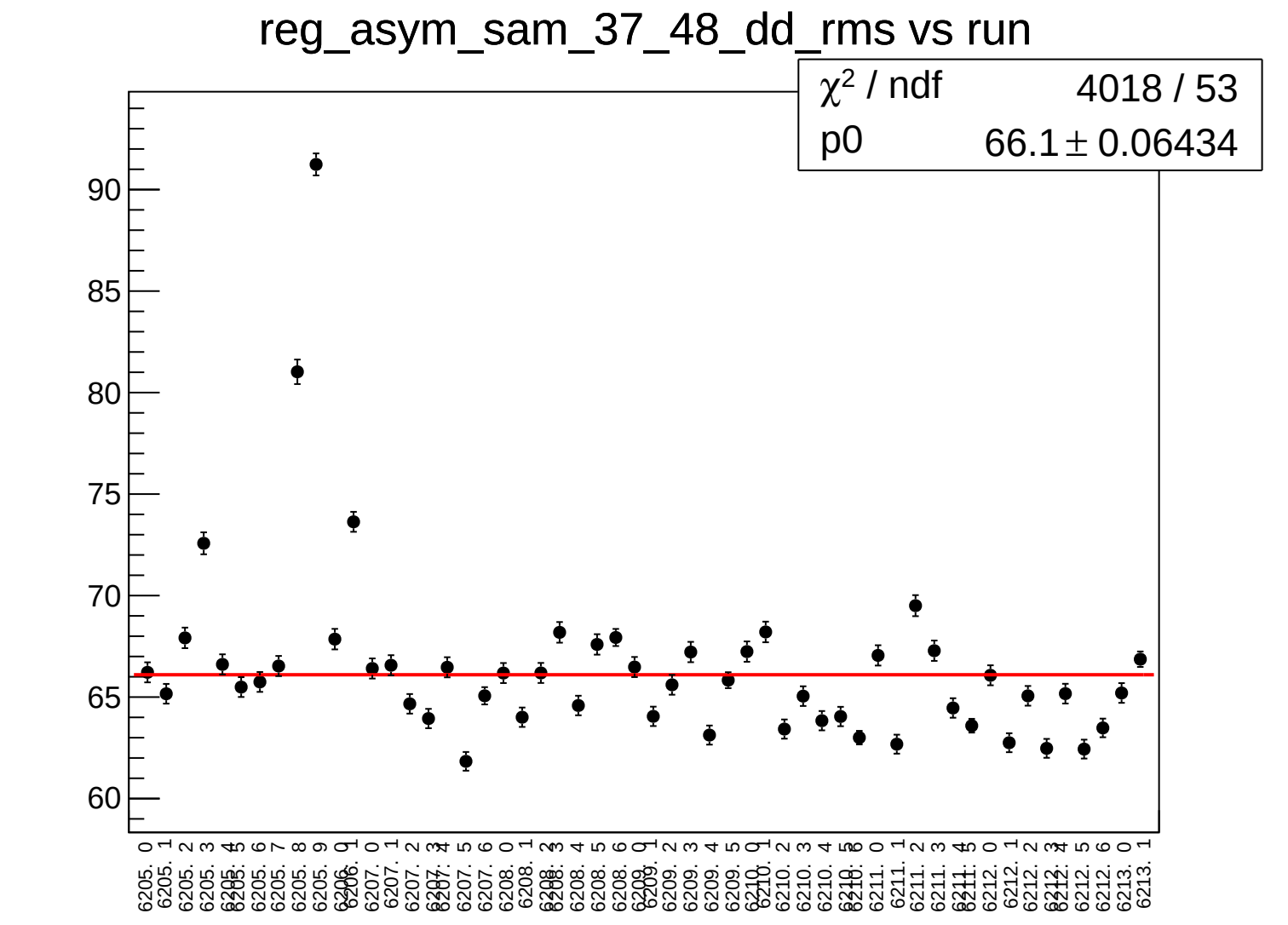

asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.718e+04 / 53
p0 38.11 ± 0.03807
180
160
140
120
100
80
60
40
20
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

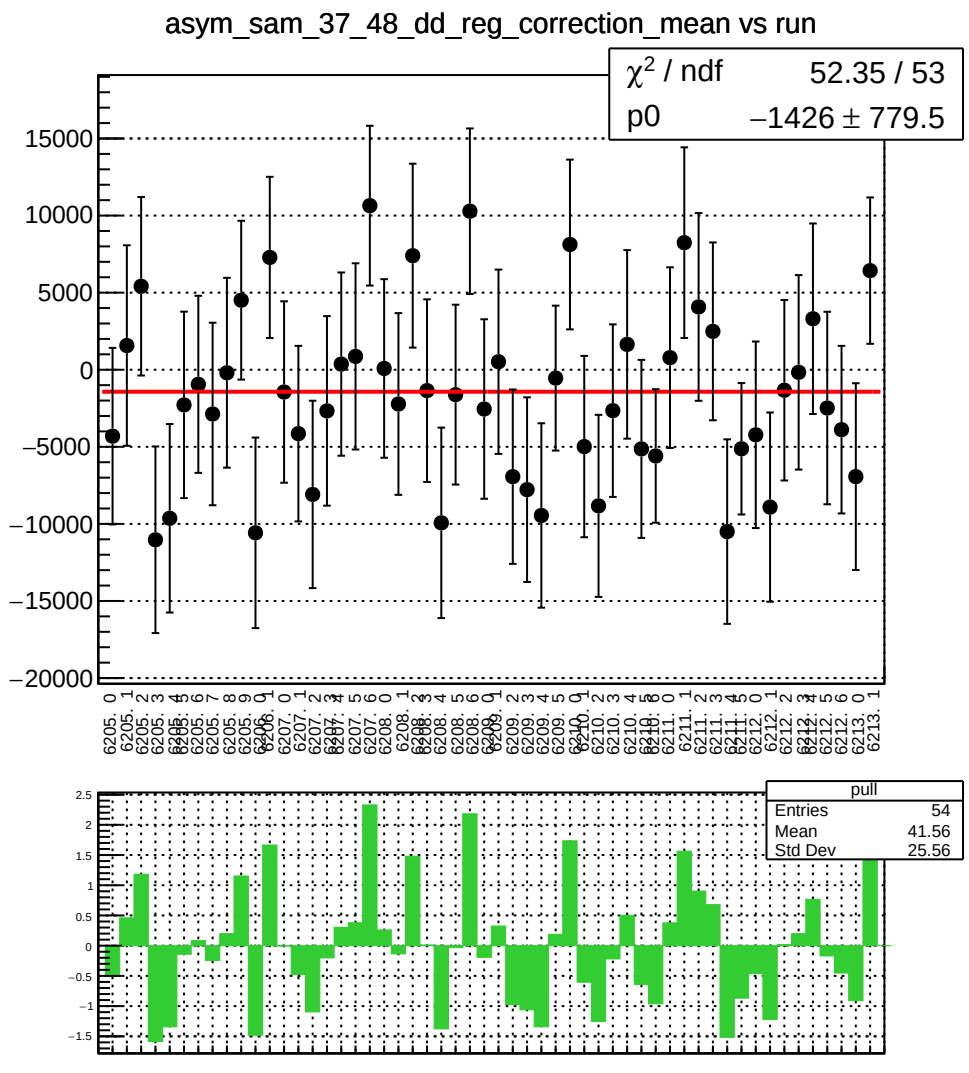

asym_sam_15_48_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 62.24 / 53
p0 −9.368e−14 ± 7.172e−14
pull
Entries 54
Mean −15.13
Std Dev 0
pull1D
Entries 54
Mean −0.0493
Std Dev 1.072

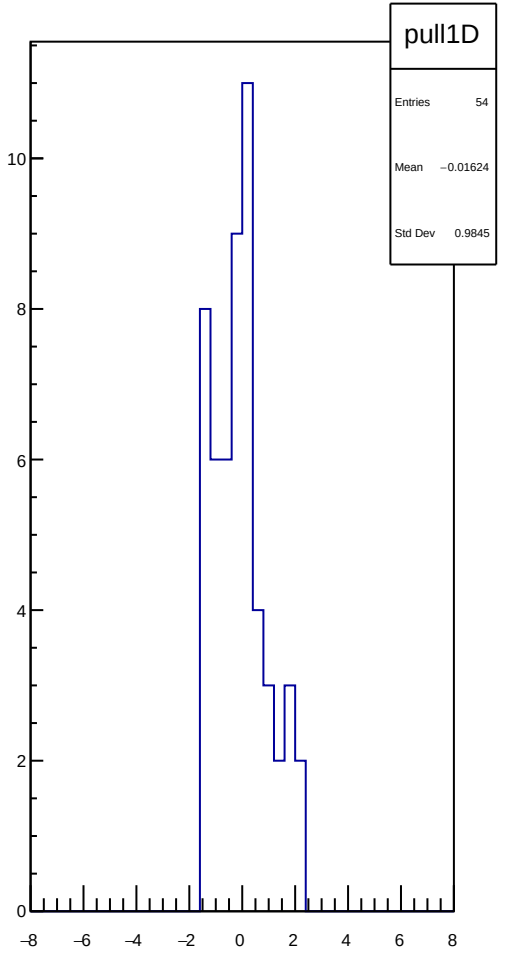

asym_sam_15_48_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.482e+05 / 53
p0 4.567e−11 ± 5.071e−14
0.3
0.25
0.2
0.15
0.1
0.05
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 1
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

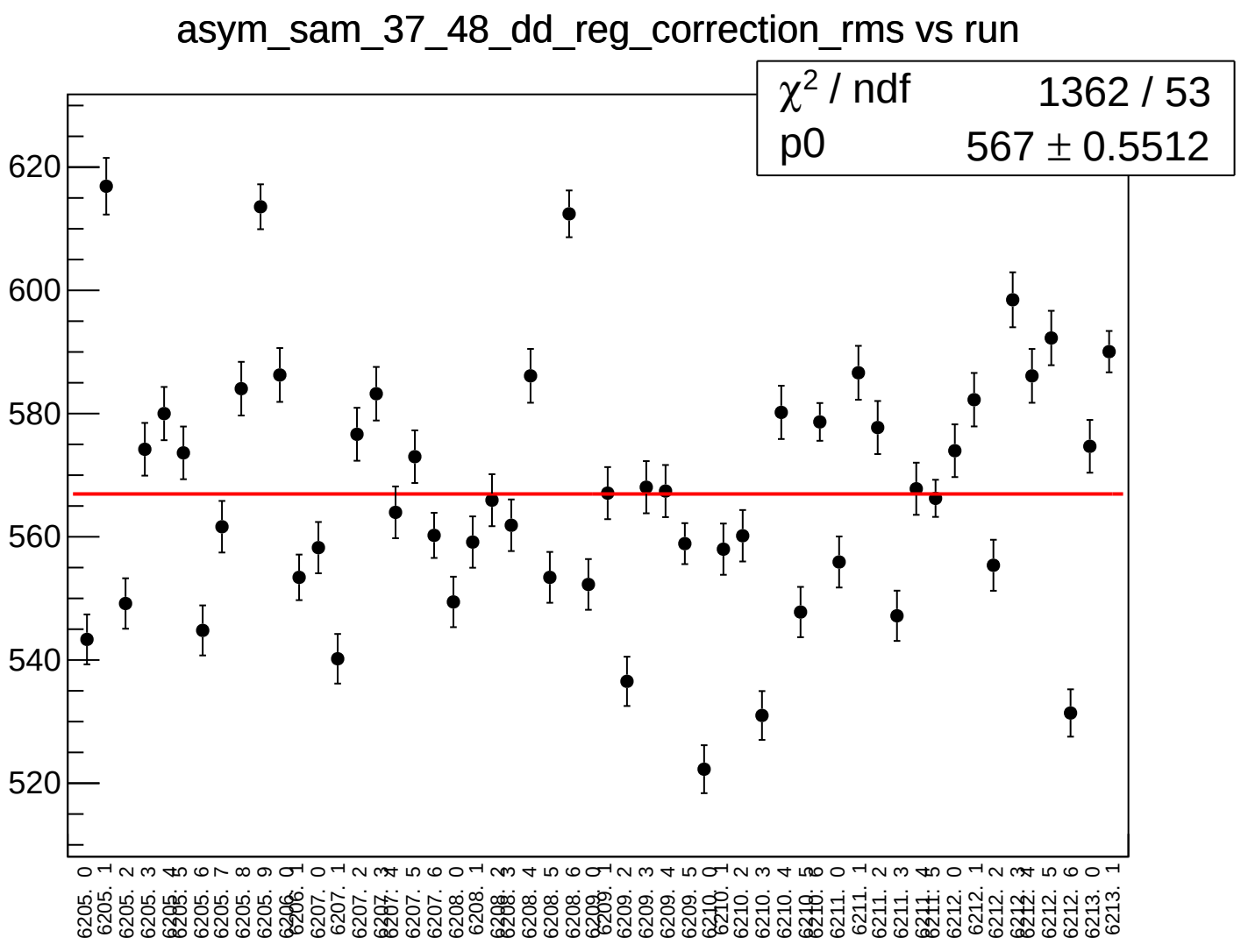

reg_asym_sam_37_48_dd_mean vs run
χ² / ndf 70.43 / 53
p0 58.49 ± 90.99
pull
Entries 54
Mean −361.9
Std Dev 0


pull1D
Entries 54
Mean 0.01186
Std Dev 1.142


reg_asym_sam_37_48_dd_rms vs run
χ² / ndf 4018 / 53
p0 66.1 ± 0.06434
90
85
80
75
70
65
60
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1


asym_sam_37_48_dd_reg_correction_mean vs run
χ² / ndf 52.35 / 53
p0 −1426 ± 779.5
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 54
Mean 41.56
Std Dev 25.56
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 54
Mean −0.01624
Std Dev 0.9845
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 1362 / 53
p0 567 ± 0.5512
620
600
580
560
540
520
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
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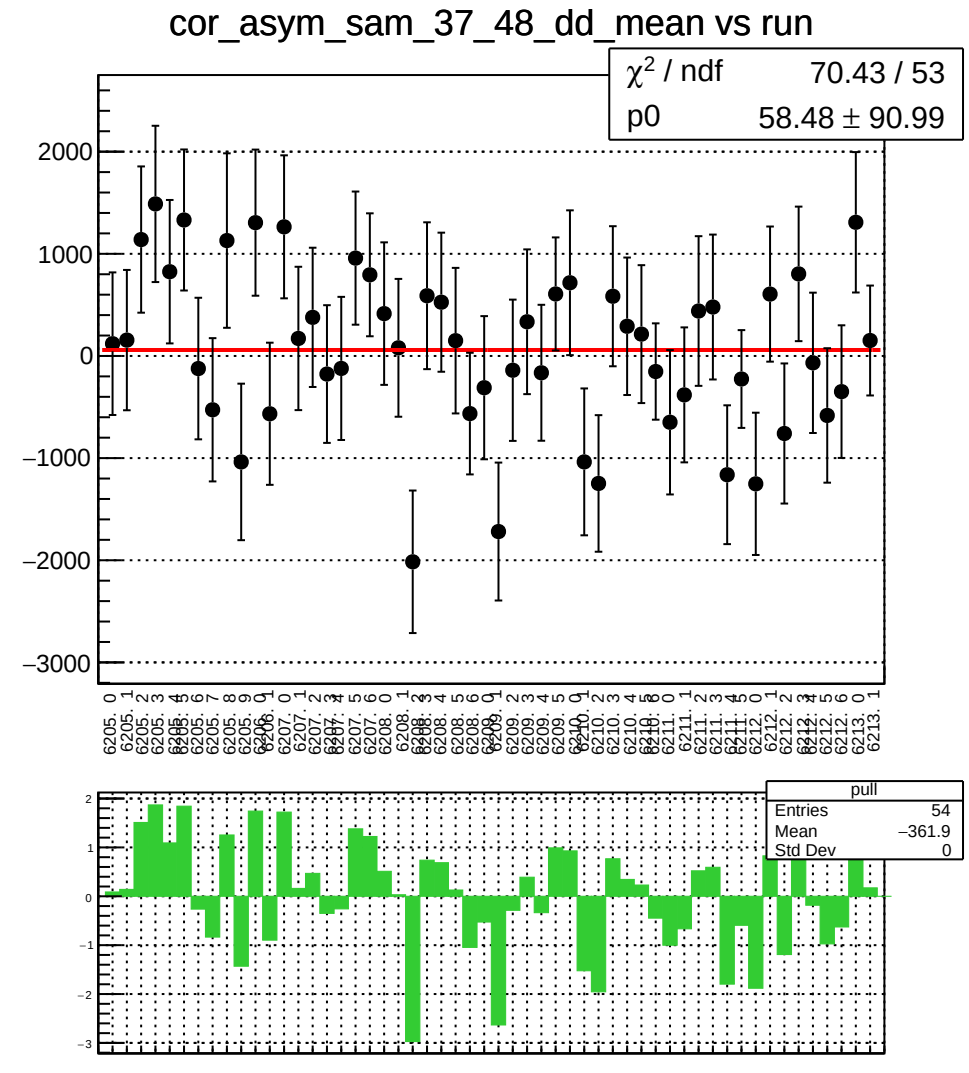
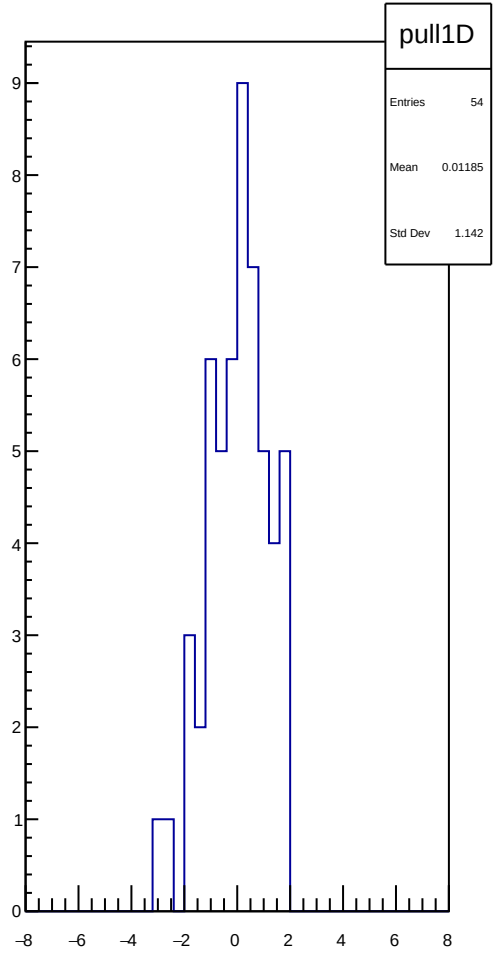
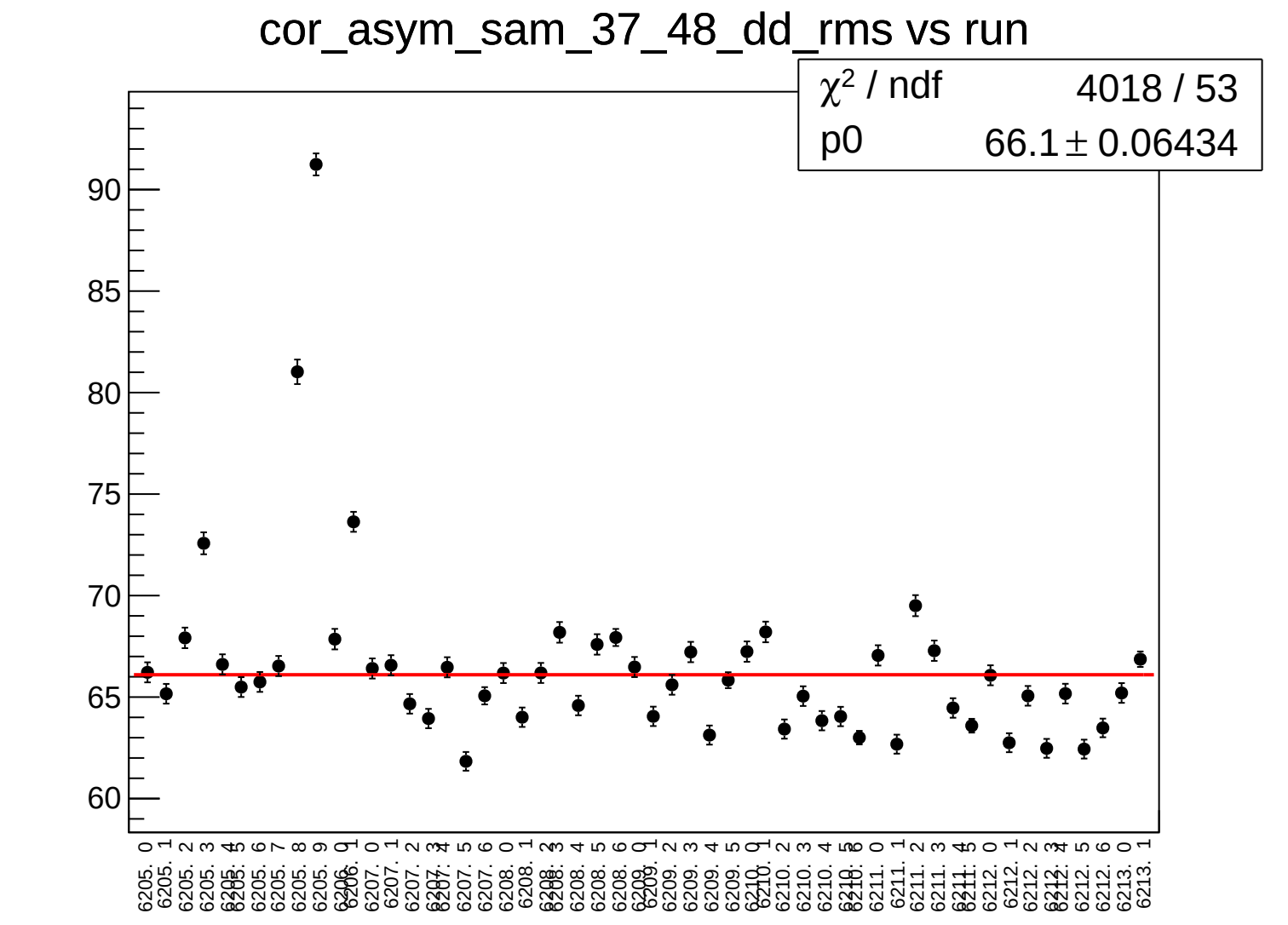
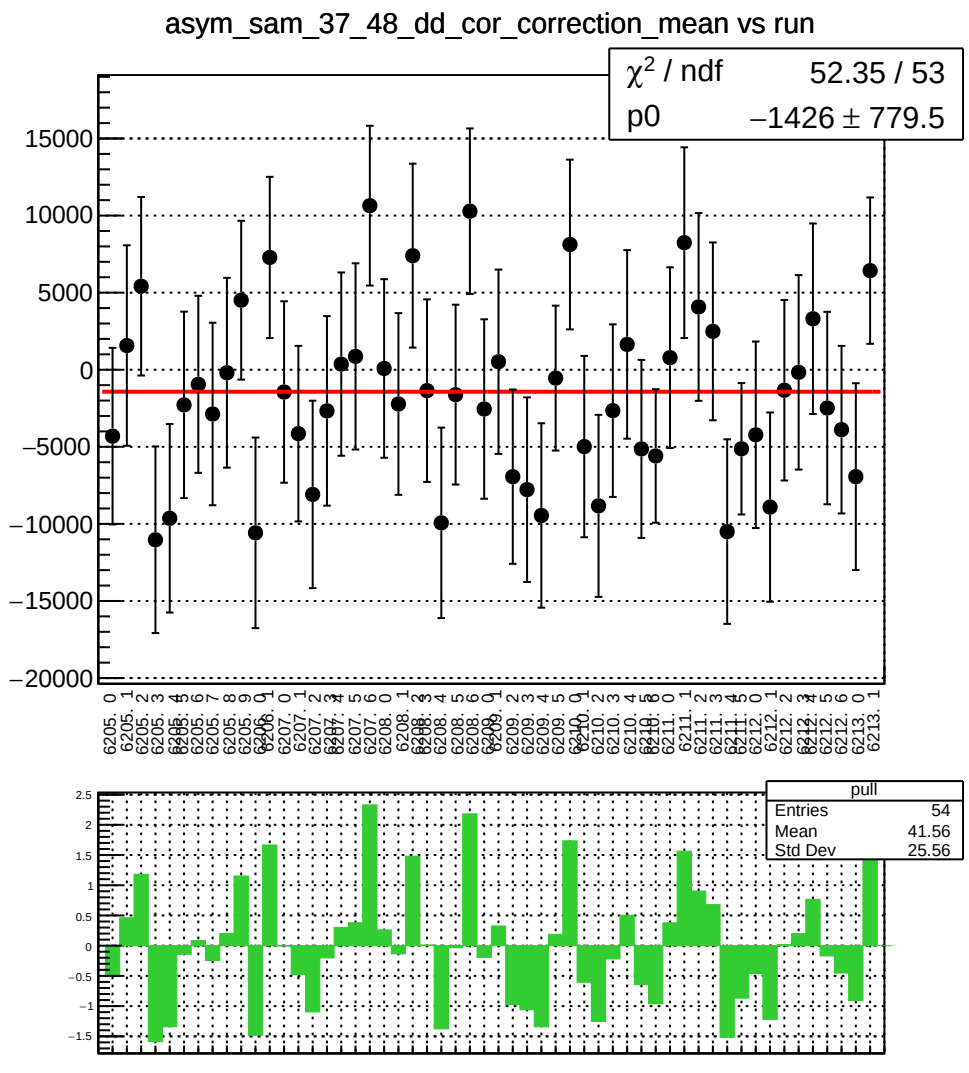
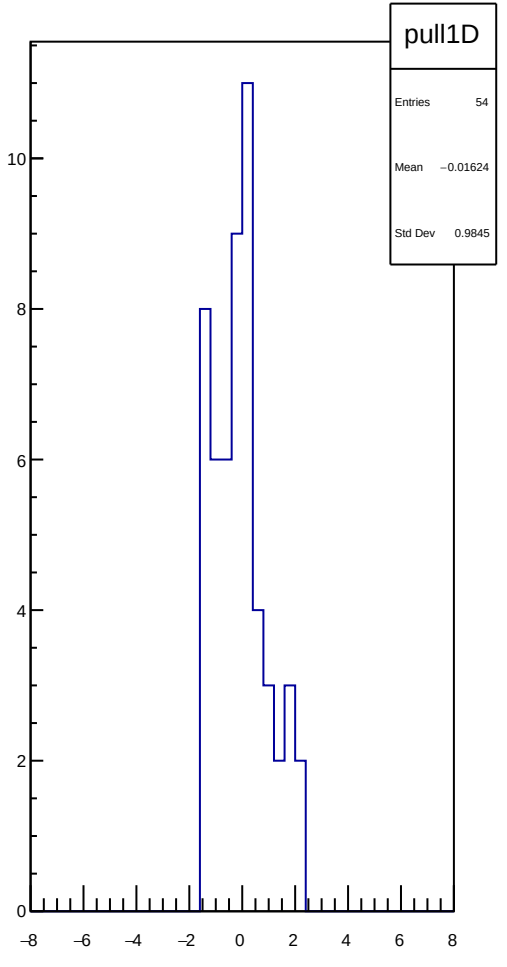
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

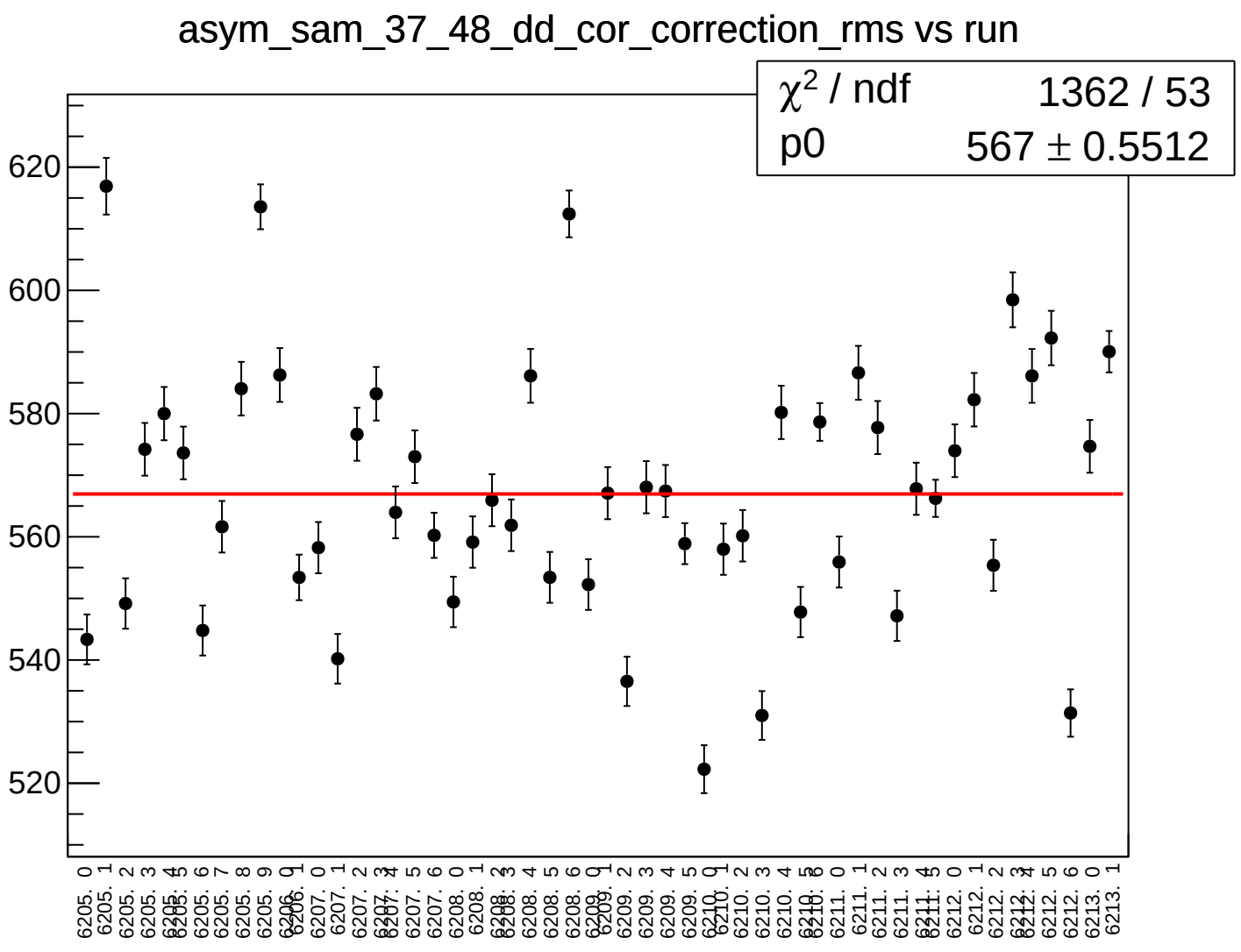

cor_asym_sam_37_48_dd_mean vs run
χ² / ndf 70.43 / 53
p0 58.48 ± 90.99
pull
Entries 54
Mean −361.9
Std Dev 0

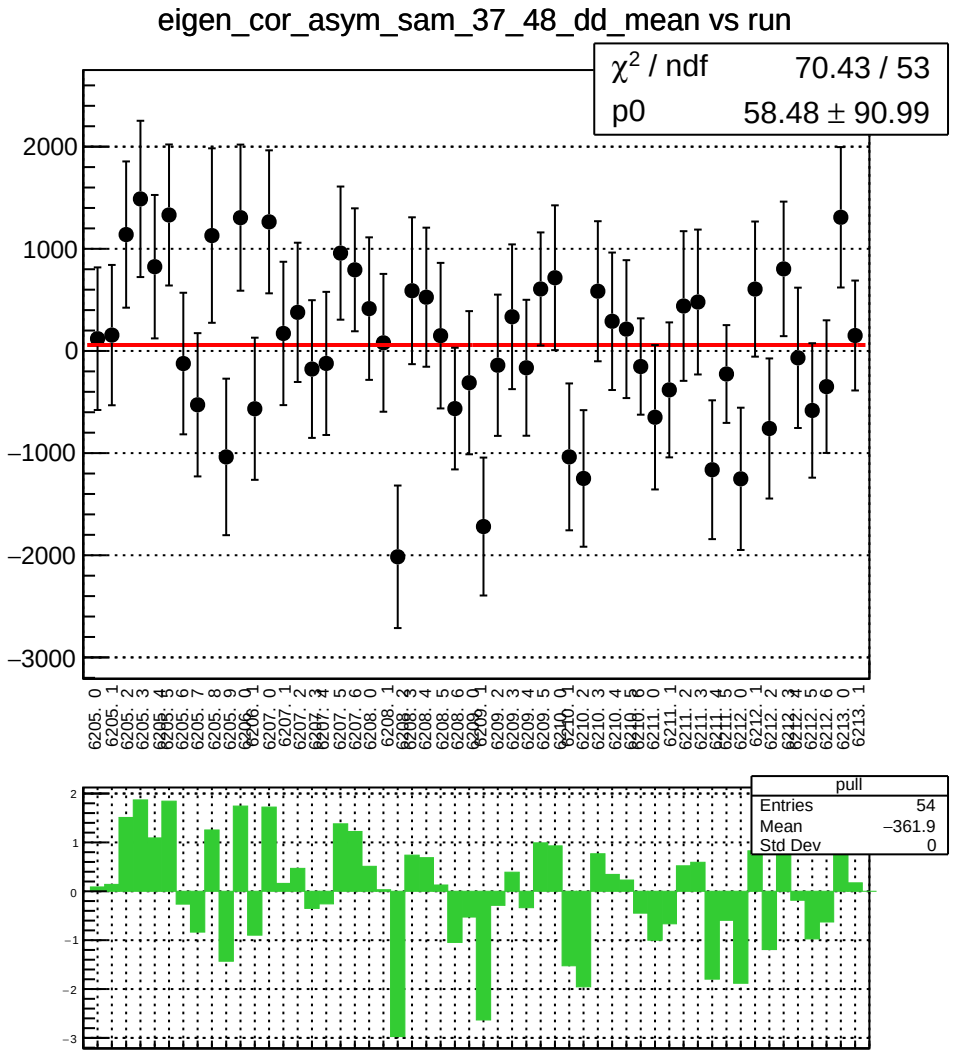

pull1D
Entries 54
Mean 0.01185
Std Dev 1.142

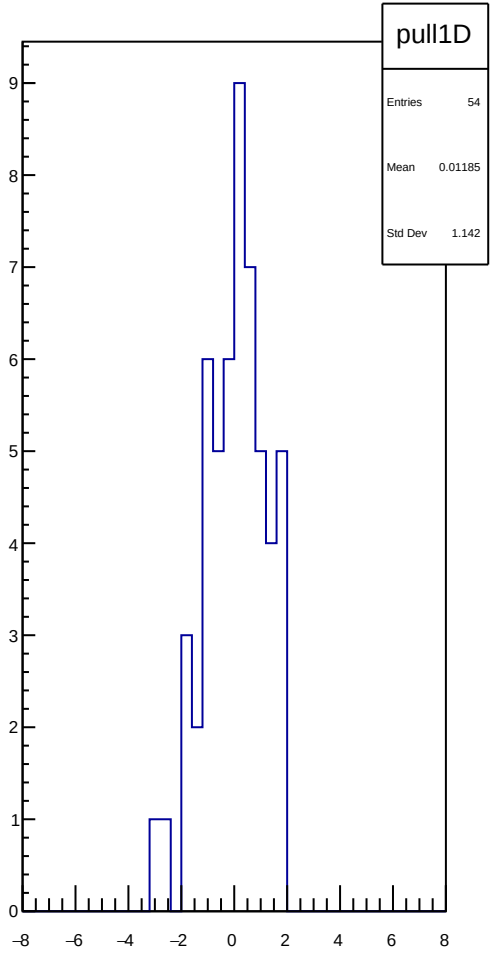

cor_asym_sam_37_48_dd_rms vs run
χ² / ndf 4018 / 53
p0 66.1 ± 0.06434
90
85
80
75
70
65
60
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

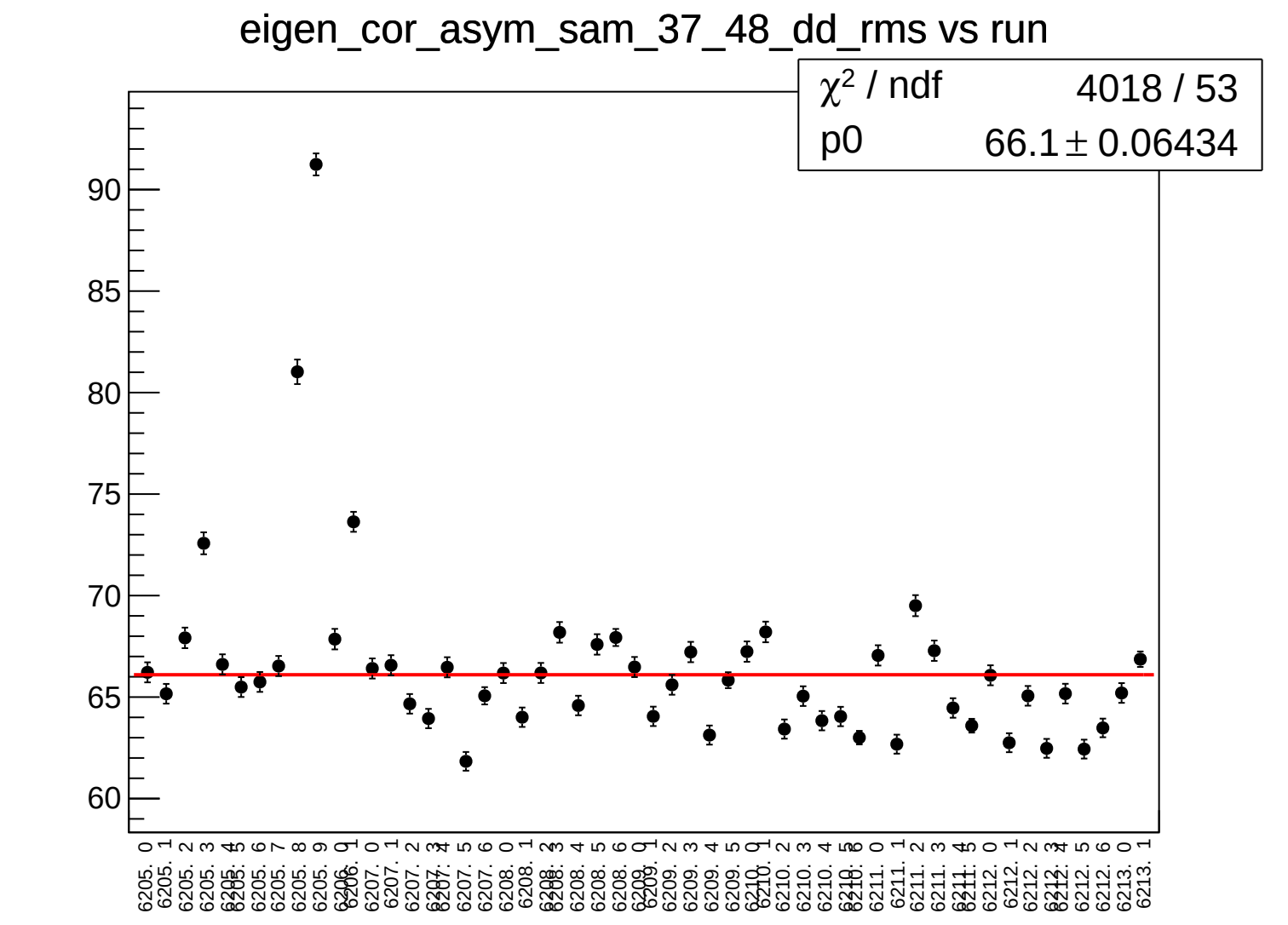

asym_sam_37_48_dd_cor_correction_mean vs run
χ² / ndf 52.35 / 53
p0 −1426 ± 779.5
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 54
Mean 41.56
Std Dev 25.56
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 54
Mean −0.01624
Std Dev 0.9845
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 1362 / 53
p0 567 ± 0.5512
620
600
580
560
540
520


eigen_cor_asym_sam_37_48_dd_mean vs run
χ² / ndf 70.43 / 53
p0 58.48 ± 90.99
pull
Entries 54
Mean −361.9
Std Dev 0


pull1D
Entries 54
Mean 0.01185
Std Dev 1.142


eigen_cor_asym_sam_37_48_dd_rms vs run
χ² / ndf 4018 / 53
p0 66.1 ± 0.06434
90
85
80
75
70
65
60
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
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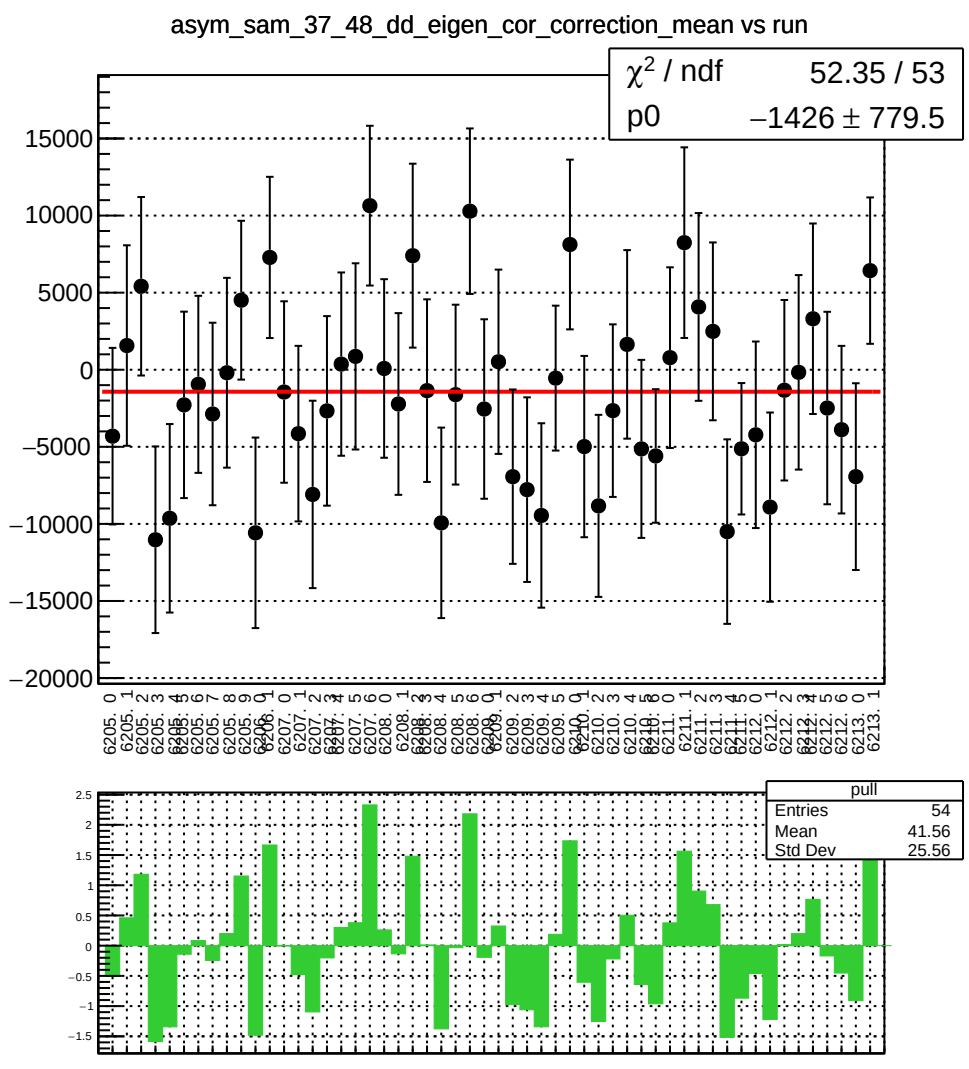
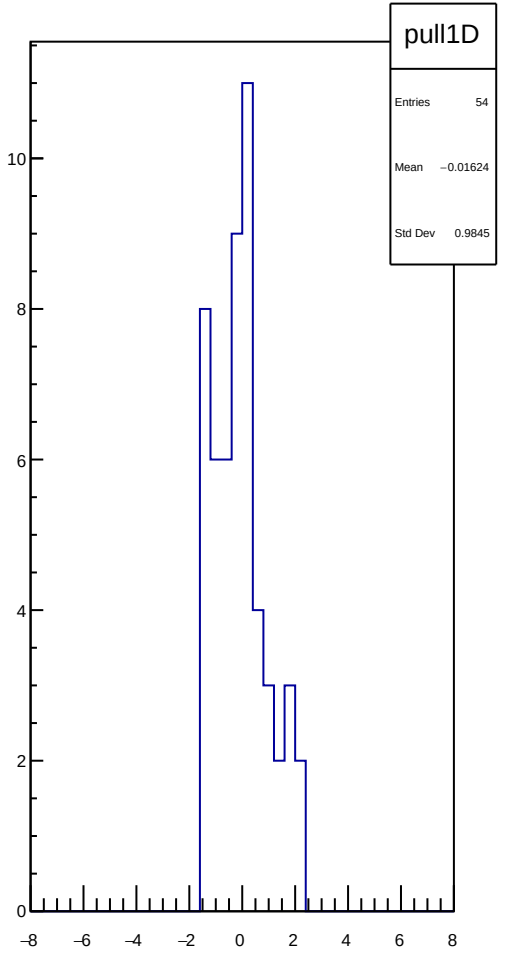
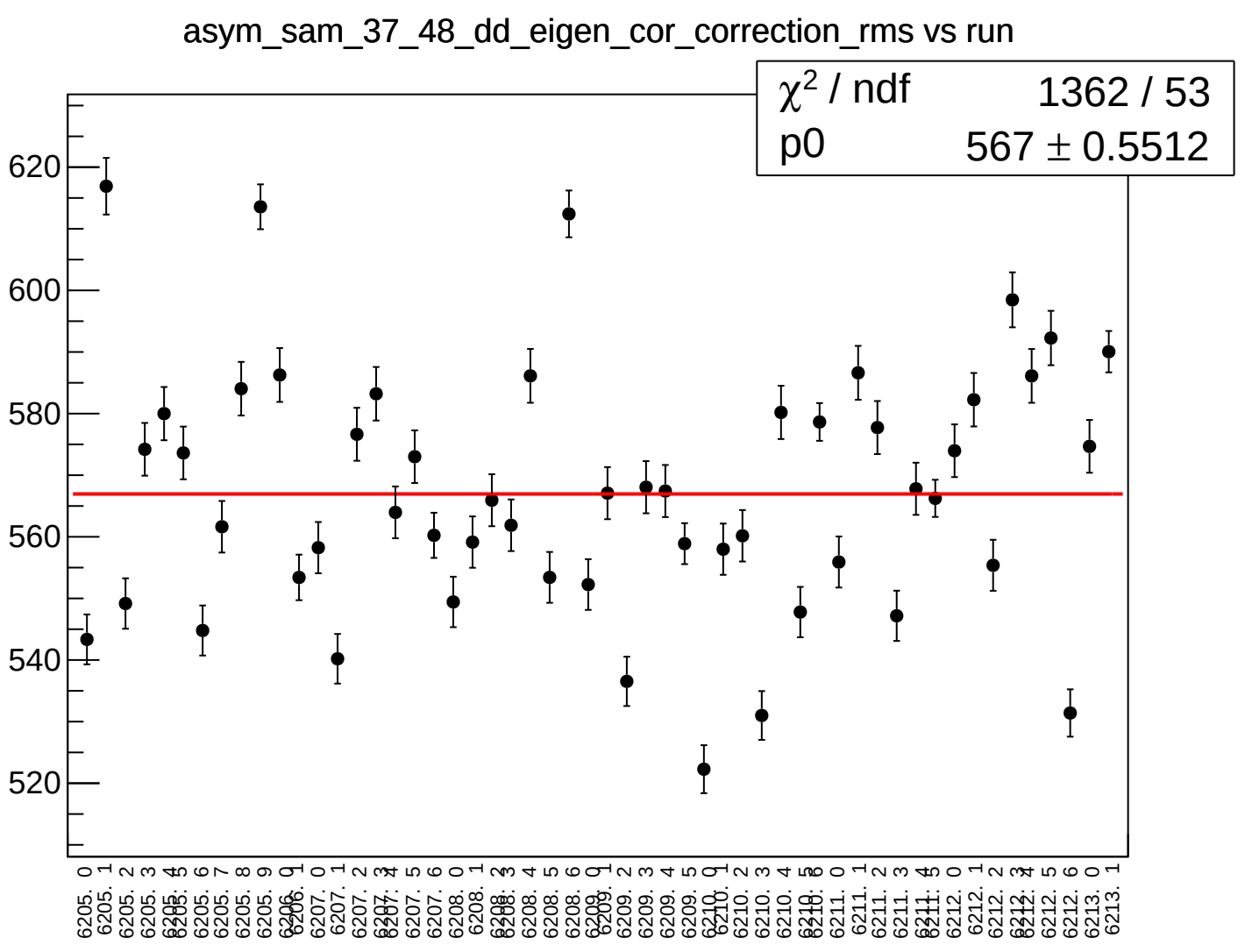
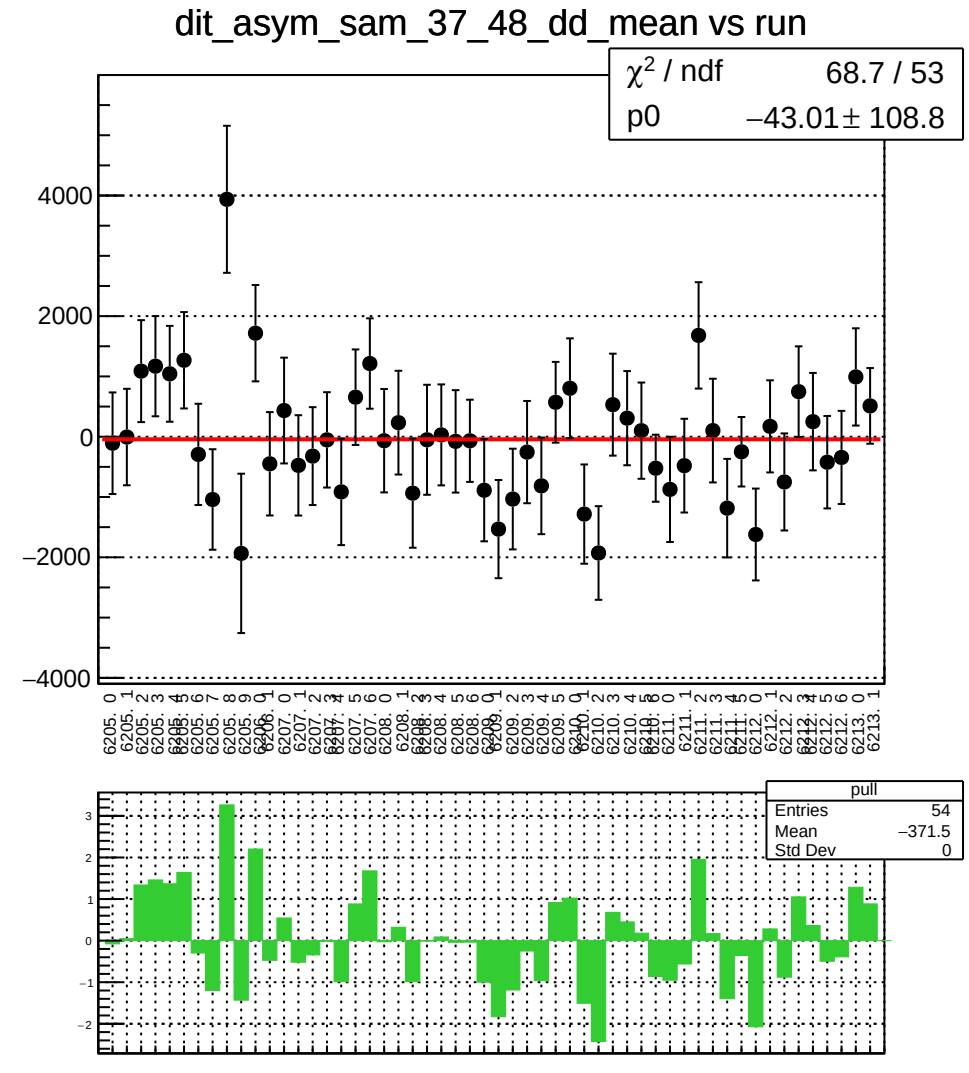
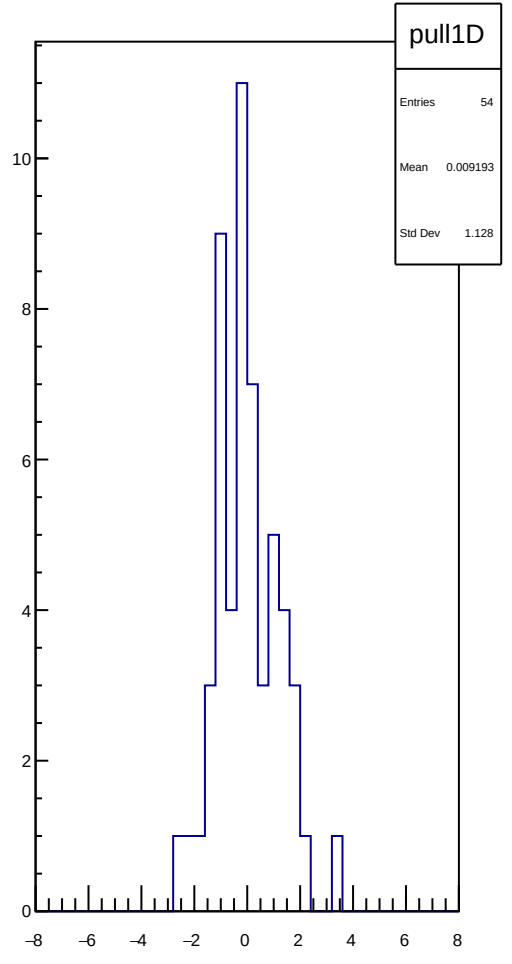
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

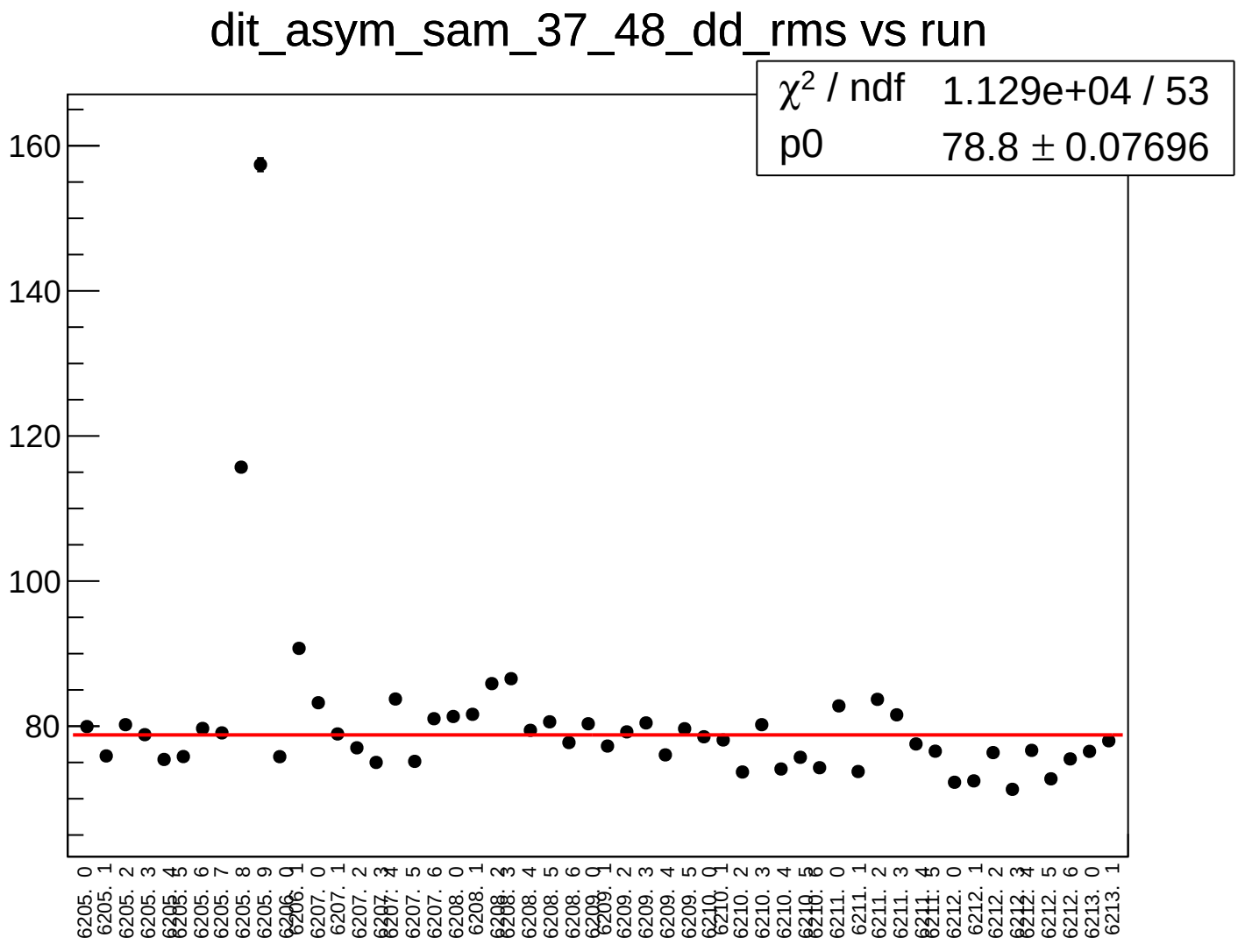

asym_sam_37_48_dd_eigen_cor_correction_mean vs run
χ² / ndf 52.35 / 53
p0 −1426 ± 779.5
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 54
Mean 41.56
Std Dev 25.56
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 54
Mean −0.01624
Std Dev 0.9845
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 1362 / 53
p0 567 ± 0.5512
620
600
580
560
540
520


dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 68.7 / 53
p0 −43.01± 108.8
4000
2000
0
−2000
−4000
pull
Entries 54
Mean −371.5
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 54
Mean 0.009193
Std Dev 1.128
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_sam_37_48_dd_rms vs run
χ² / ndf 1.129e+04 / 53
p0 78.8 ± 0.07696
160
140
120
100
80
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
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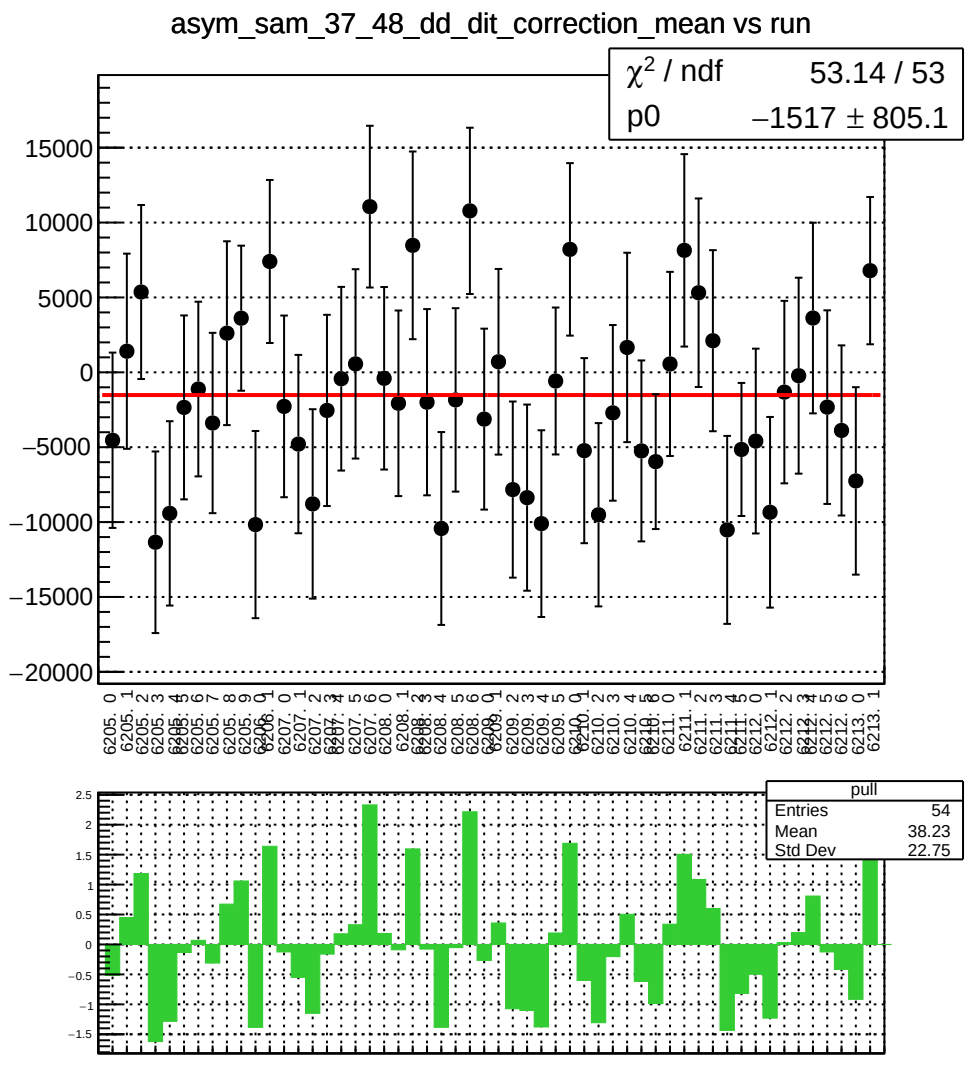
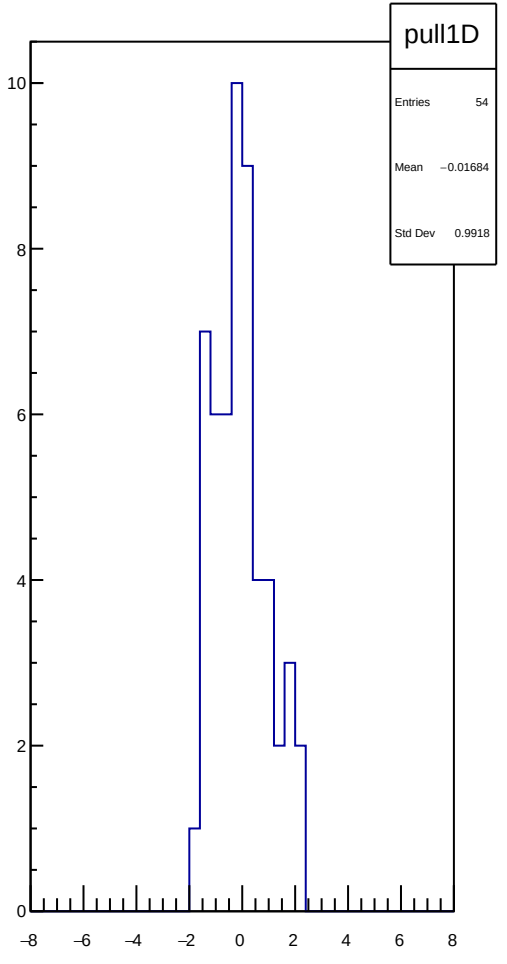
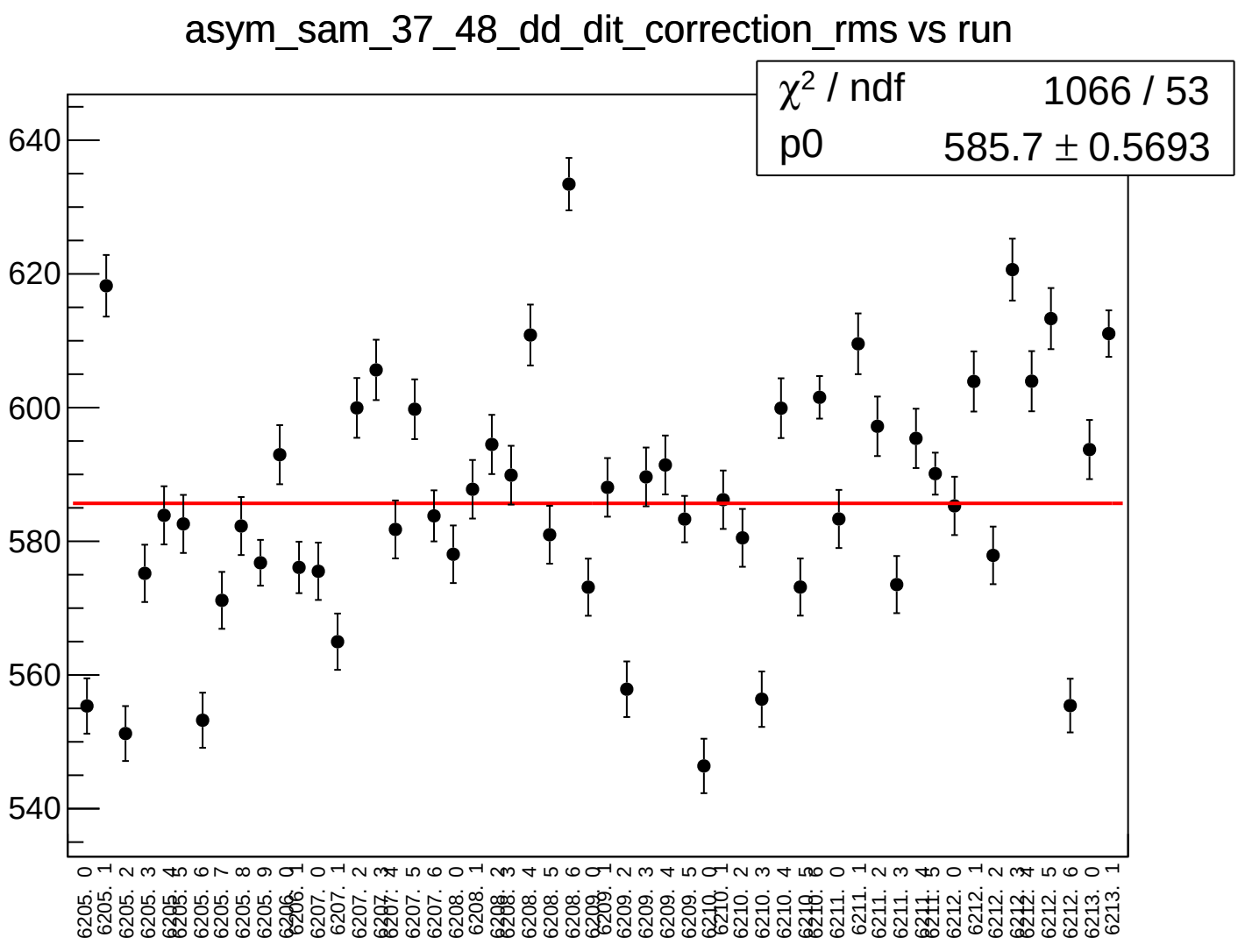
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_sam_37_48_dd_dit_correction_mean vs run
χ² / ndf 53.14 / 53
p0 −1517 ± 805.1
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 54
Mean 38.23
Std Dev 22.75
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 54
Mean −0.01684
Std Dev 0.9918
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 1066 / 53
p0 585.7 ± 0.5693
640
620
600
580
560
540
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
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6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
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6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
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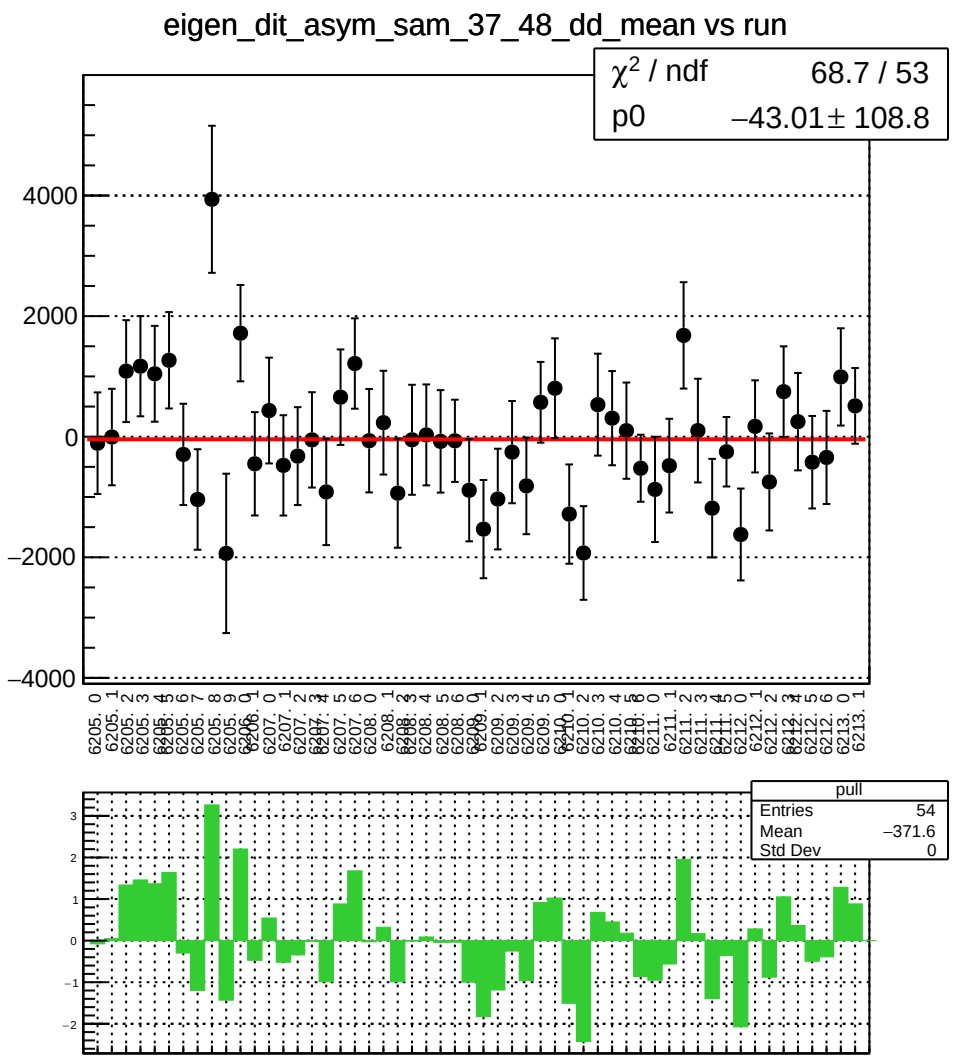
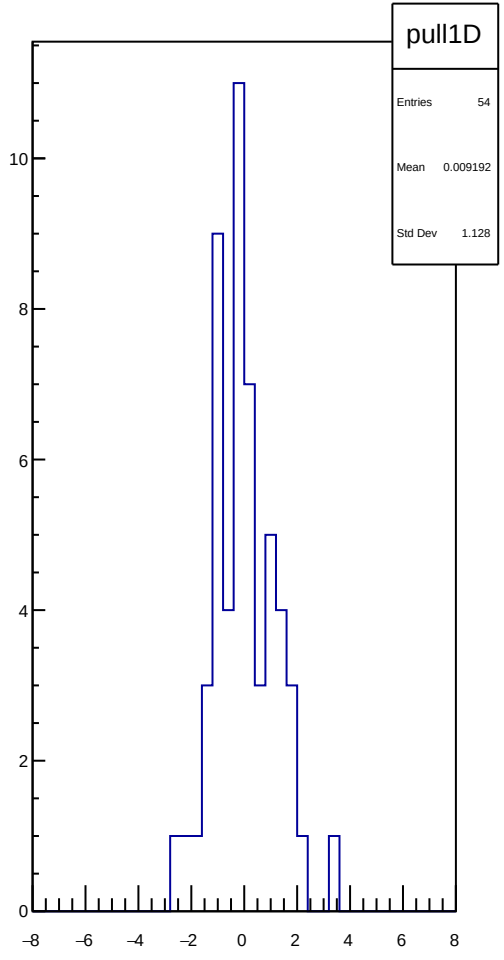
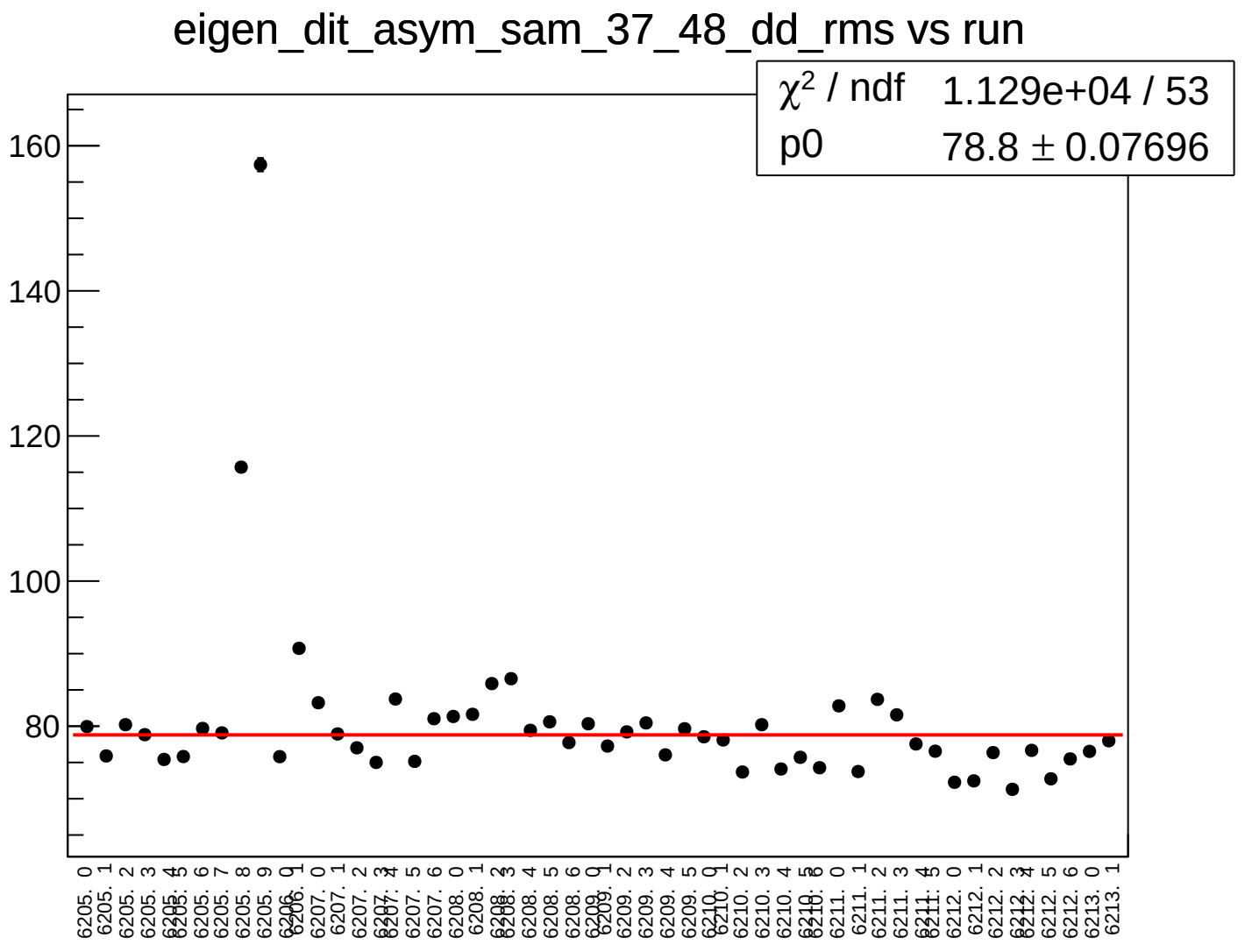
6213. 0
6213. 1


eigen_dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 68.7 / 53
p0 −43.01 ± 108.8
4000
2000
0
−2000
−4000
pull
Entries 54
Mean −371.6
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 54
Mean 0.009192
Std Dev 1.128
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_dit_asym_sam_37_48_dd_rms vs run
χ² / ndf 1.129e+04 / 53
p0 78.8 ± 0.07696
160
140
120
100
80
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
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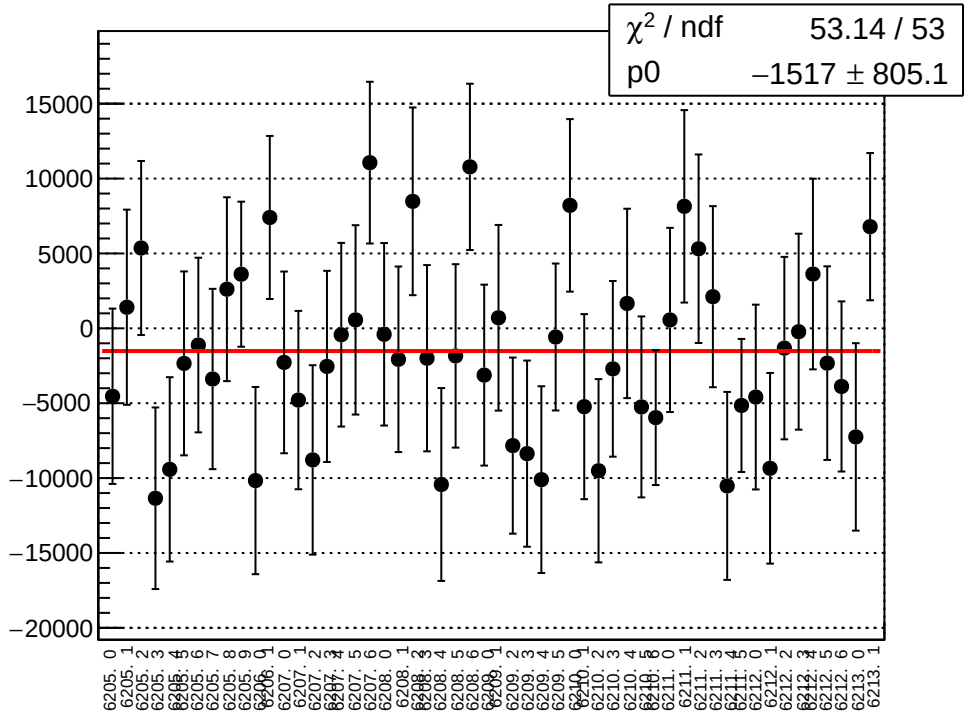
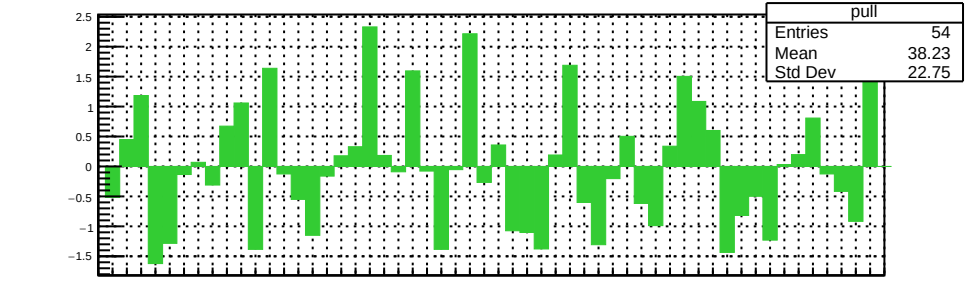
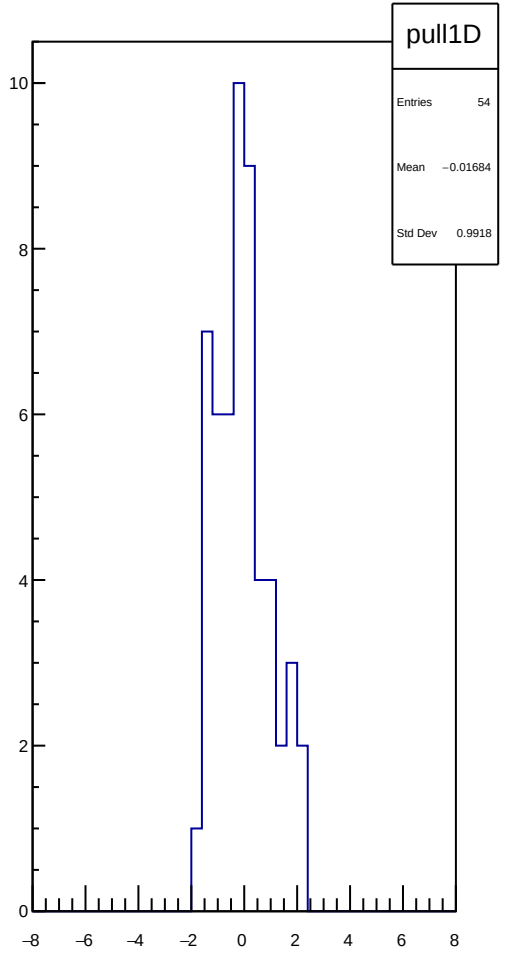
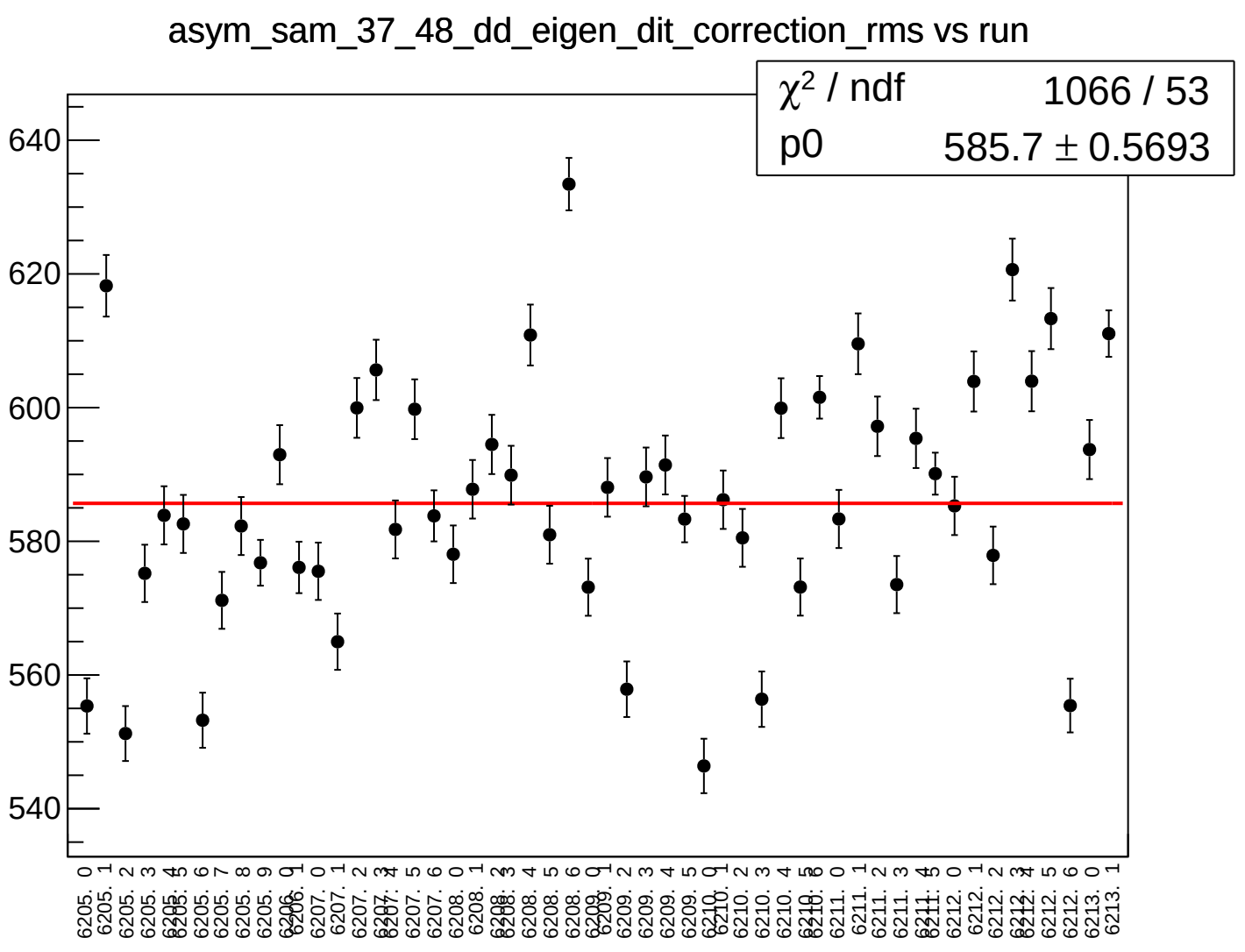
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

asym_sam_37_48_dd_eigen_dit_correction_mean vs run








asym_sam_37_48_dd_eigen_dit_correction_rms vs run
χ² / ndf 1066 / 53
p0 585.7 ± 0.5693
640
620
600
580
560
540
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
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6209. 4
6209. 5
6210. 0
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6210. 2
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6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
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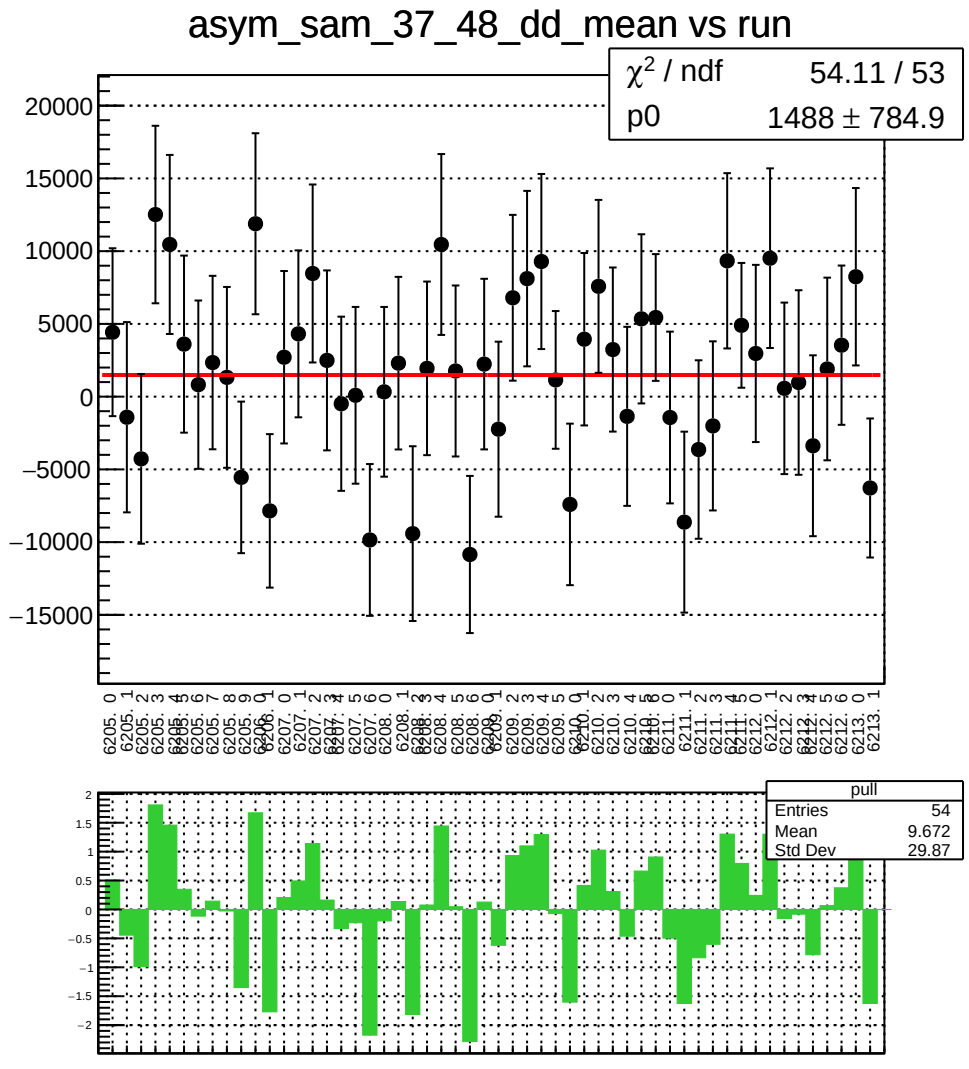
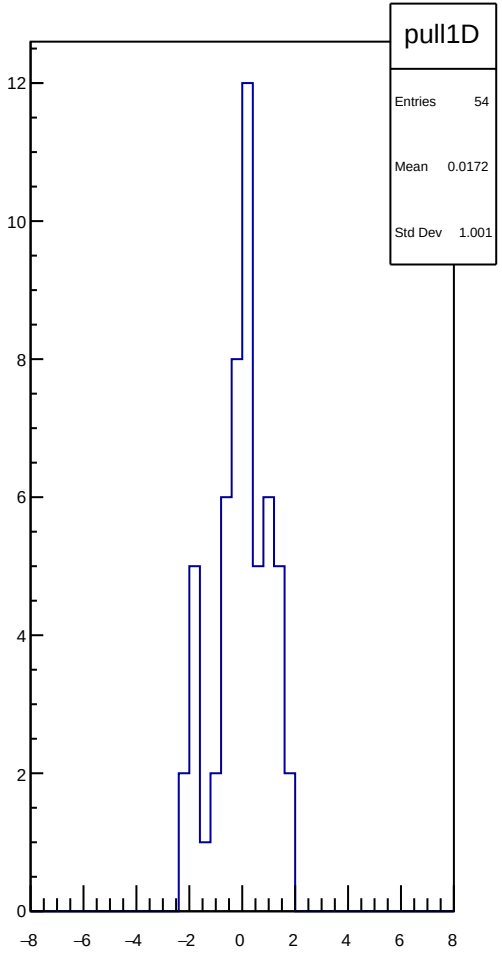
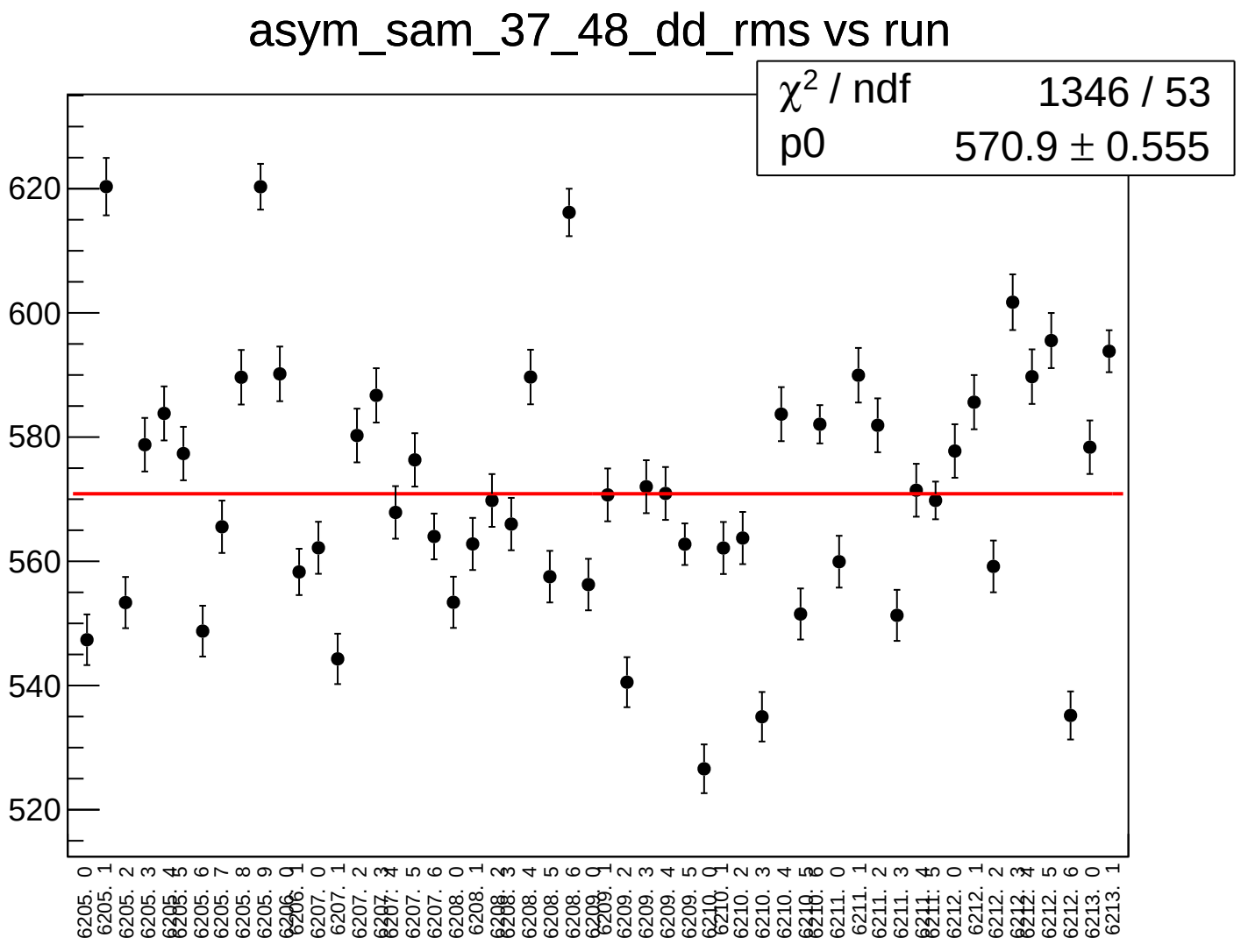
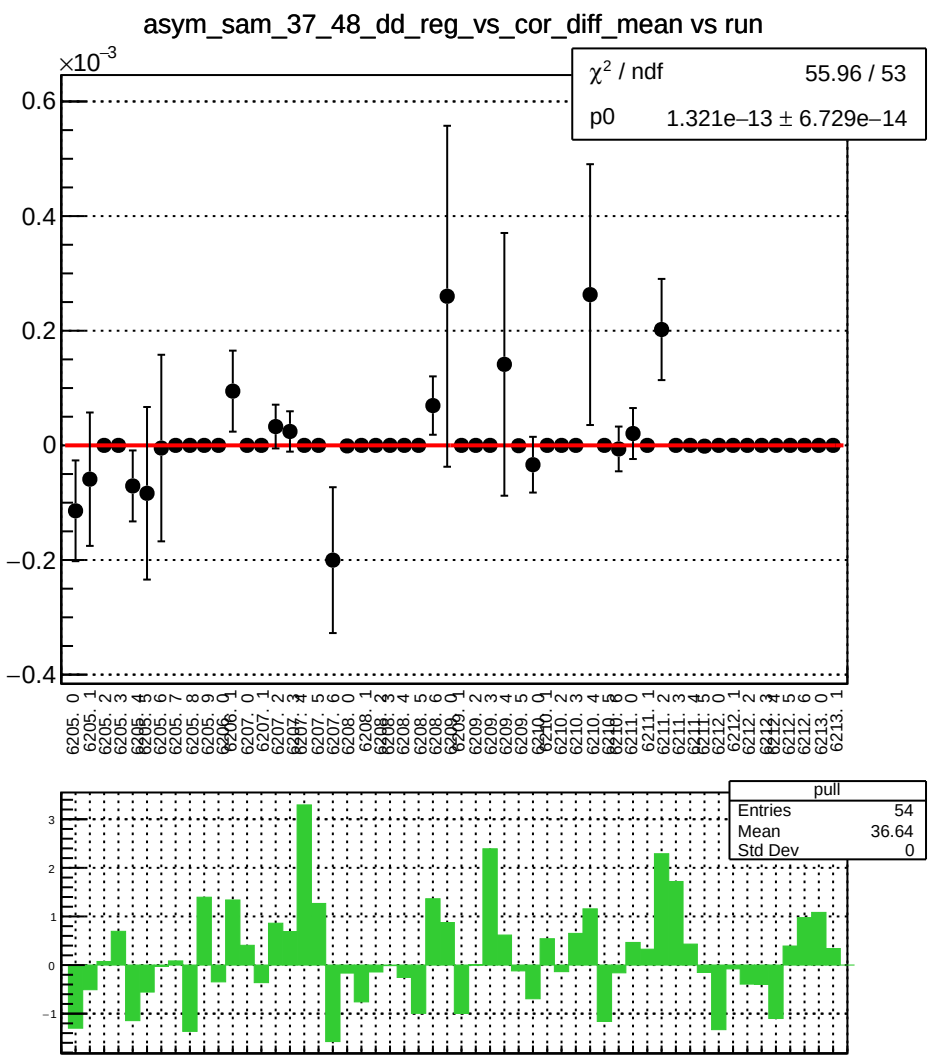
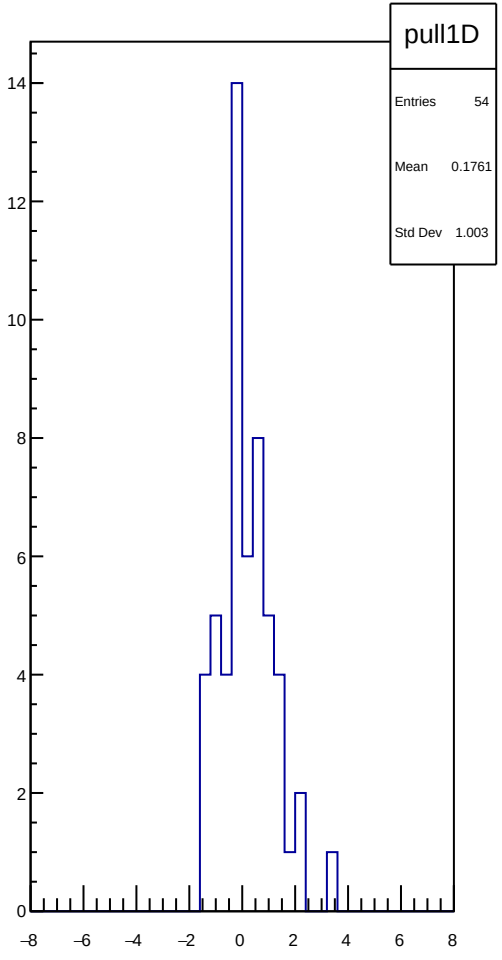
6212. 6
6213. 0
6213. 1

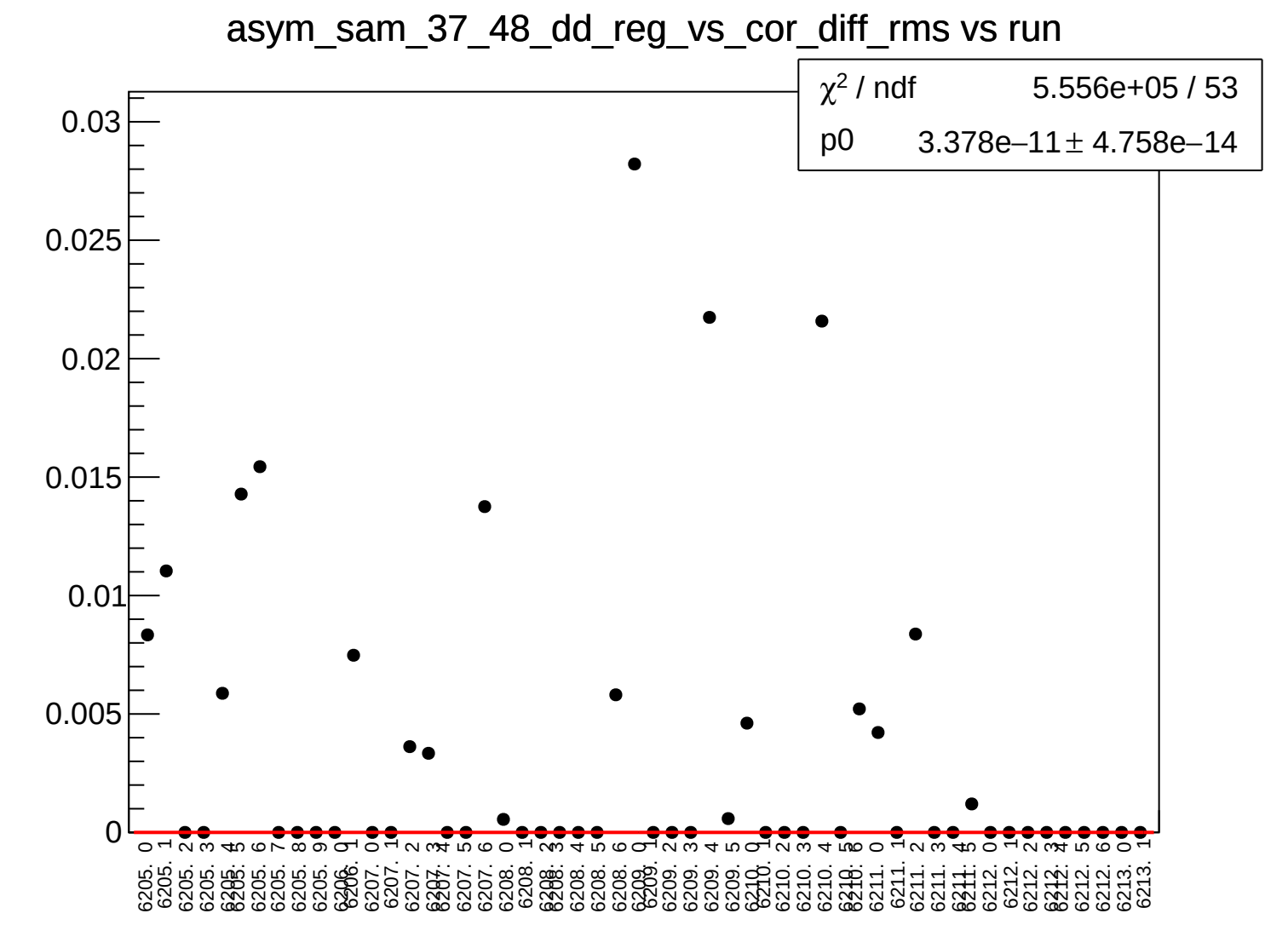

asym_sam_37_48_dd_mean vs run
χ² / ndf 54.11 / 53
p0 1488 ± 784.9
pull
Entries 54
Mean 9.672
Std Dev 29.87

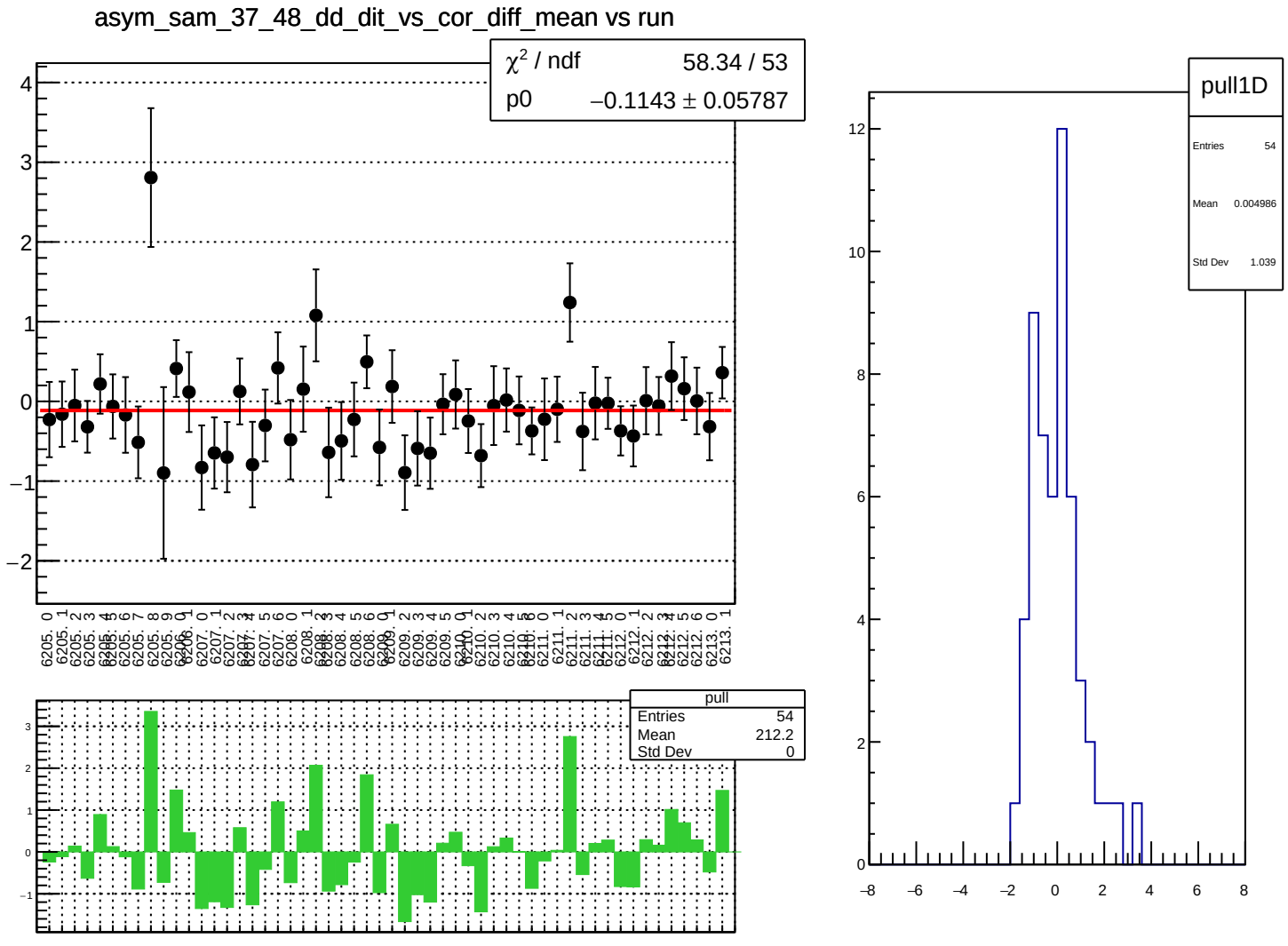

pull1D
Entries 54
Mean 0.0172
Std Dev 1.001

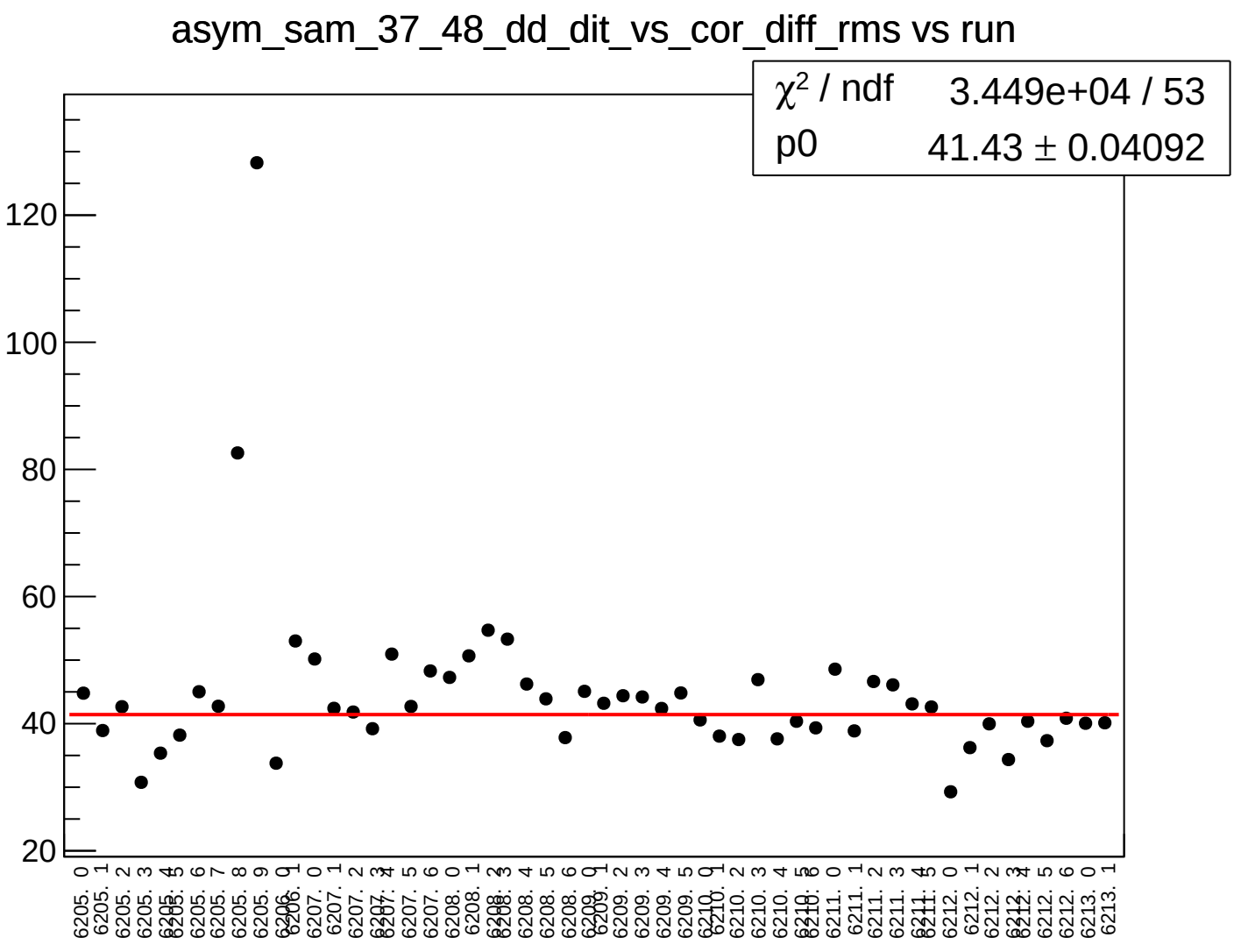

asym_sam_37_48_dd_rms vs run
χ² / ndf 1346 / 53
p0 570.9 ± 0.555
620
600
580
560
540
520

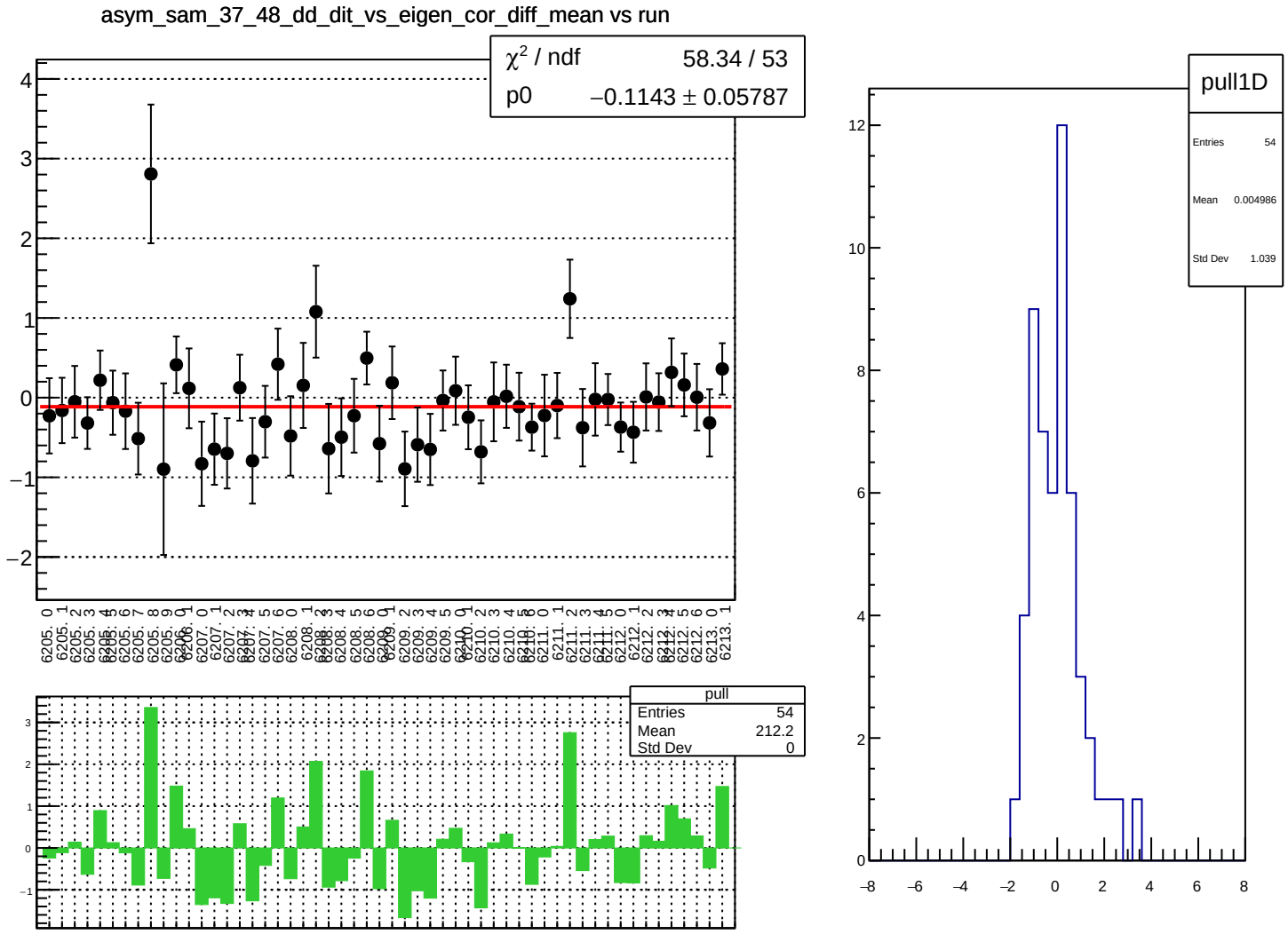

asym_sam_37_48_dd_reg_vs_cor_diff_mean vs run
×10^−3
χ² / ndf 55.96 / 53
p0 1.321e−13 ± 6.729e−14
pull
Entries 54
Mean 36.64
Std Dev 0

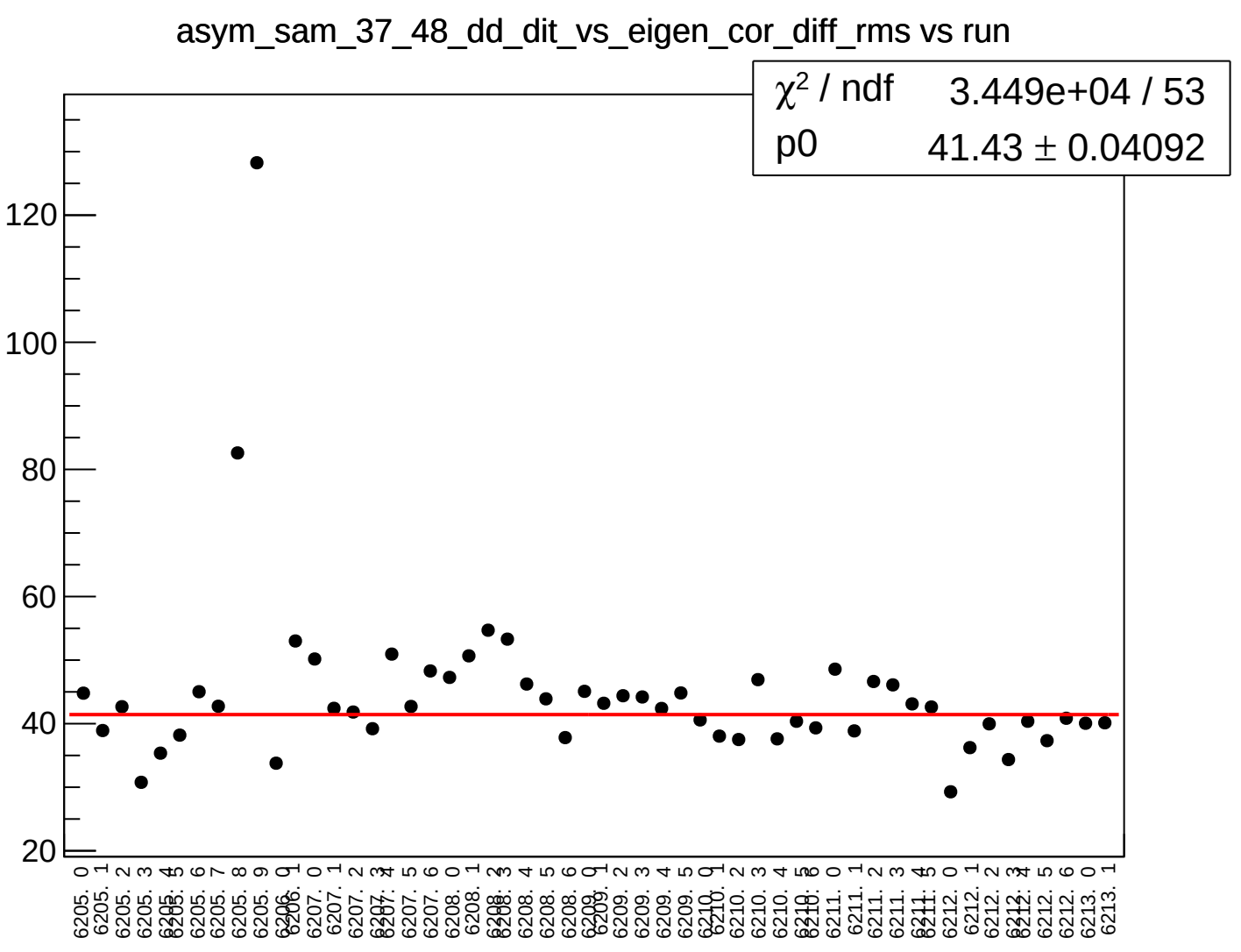

pull1D
Entries 54
Mean 0.1761
Std Dev 1.003

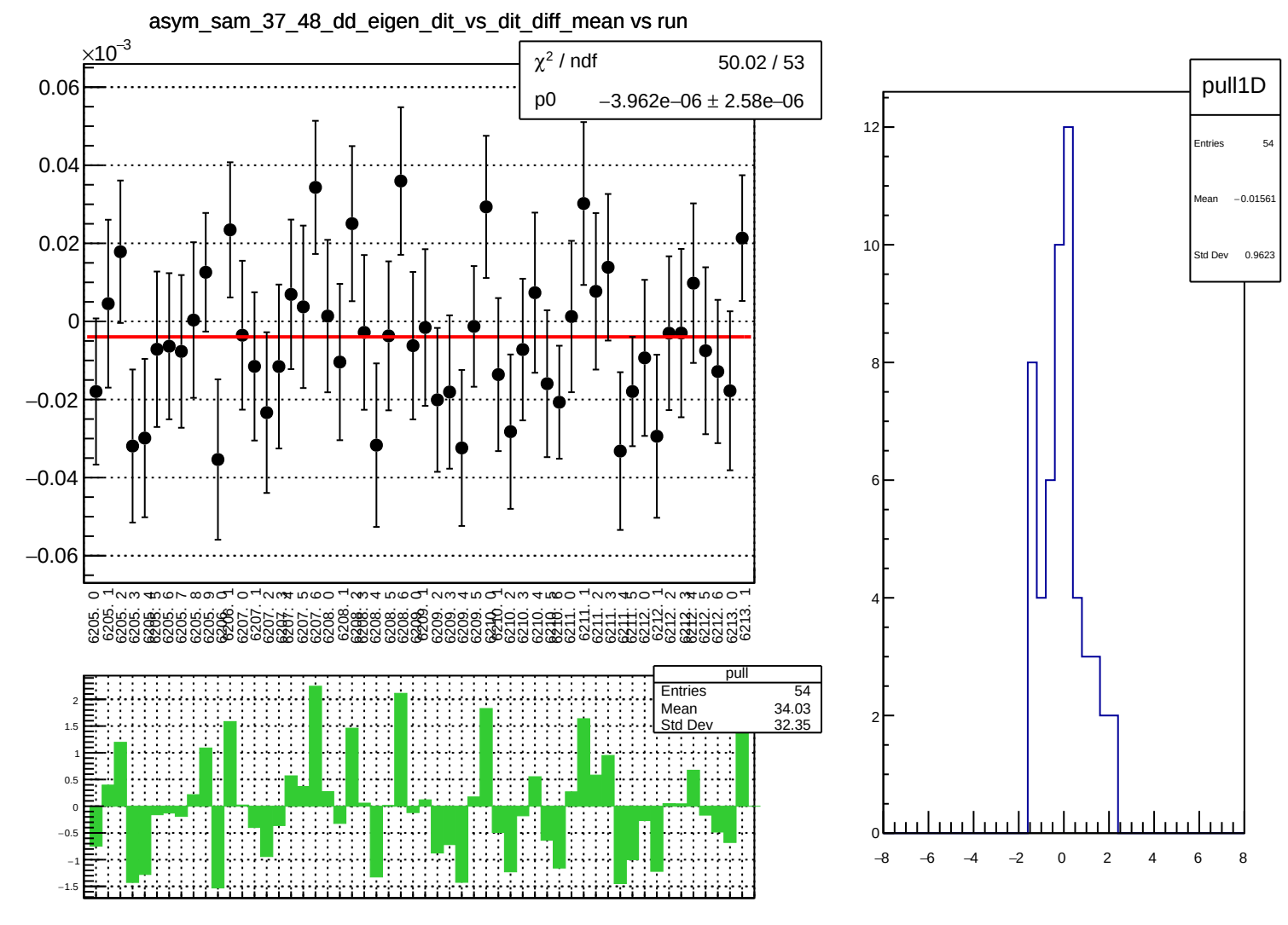

asym_sam_37_48_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.556e+05 / 53
p0 3.378e−11 ± 4.758e−14
0.03
0.025
0.02
0.015
0.01
0.005
0

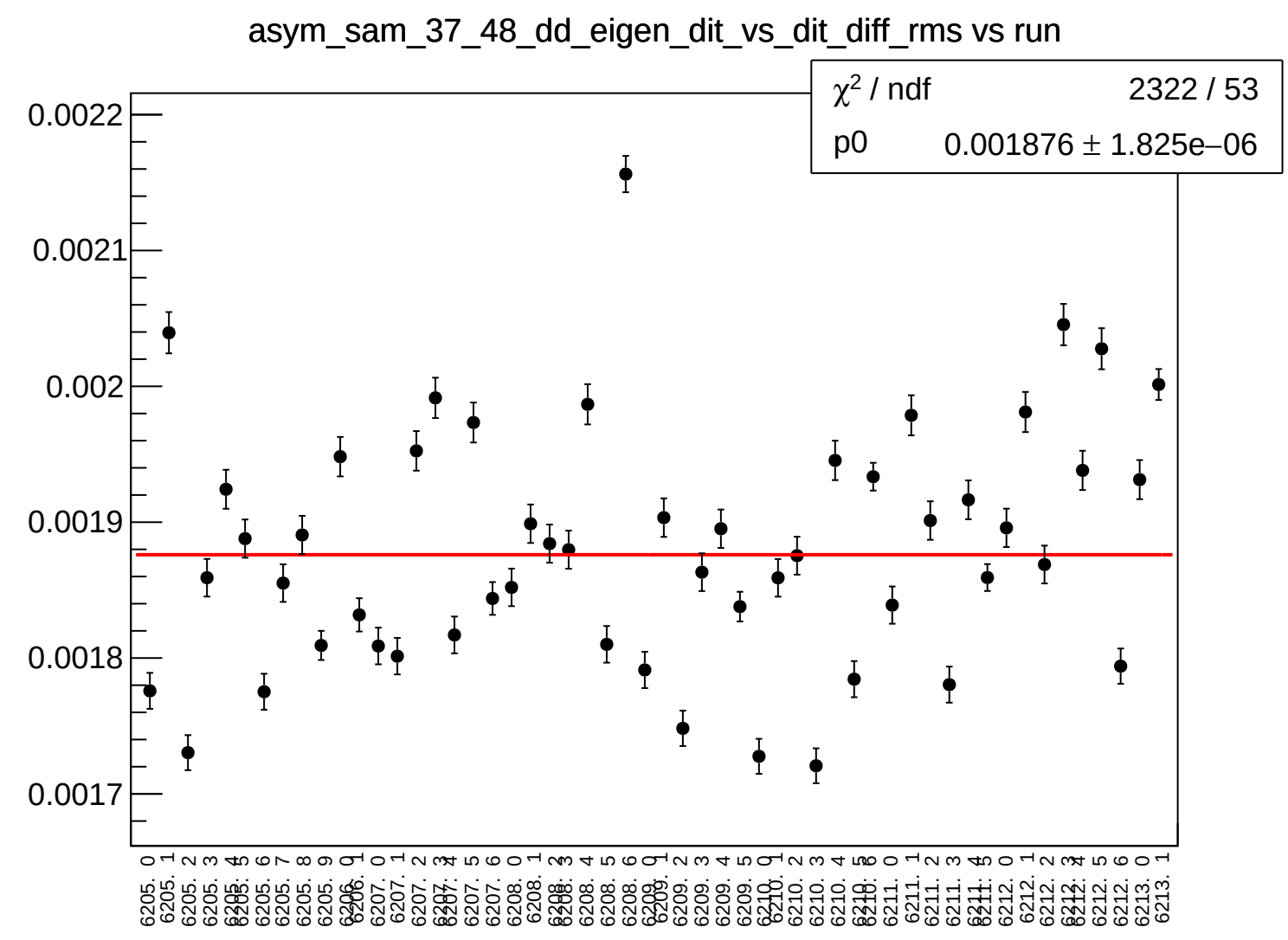

asym_sam_37_48_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 58.34 / 53
p0 −0.1143 ± 0.05787
pull
Entries 54
Mean 212.2
Std Dev 0
pull1D
Entries 54
Mean 0.004986
Std Dev 1.039


asym_sam_37_48_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 3.449e+04 / 53
p0 41.43 ± 0.04092
120
100
80
60
40
20
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

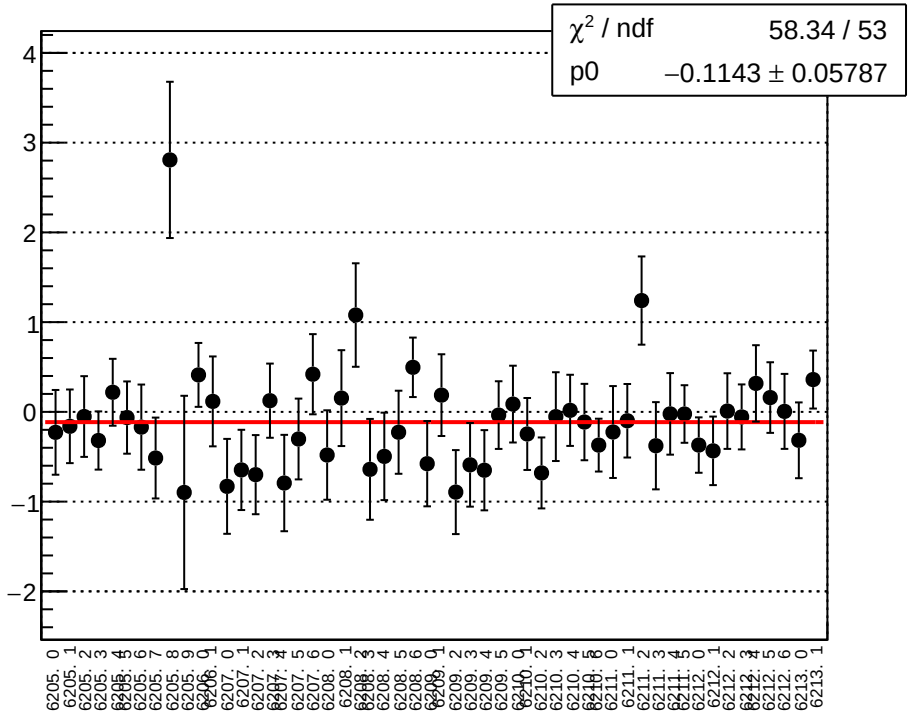

asym_sam_37_48_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 58.34 / 53
p0 −0.1143 ± 0.05787
pull
Entries 54
Mean 212.2
Std Dev 0
pull1D
Entries 54
Mean 0.004986
Std Dev 1.039

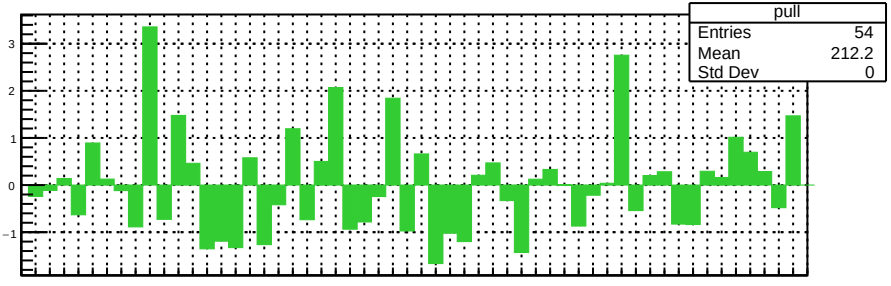

asym_sam_37_48_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.449e+04 / 53
p0 41.43 ± 0.04092
120
100
80
60
40
20
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

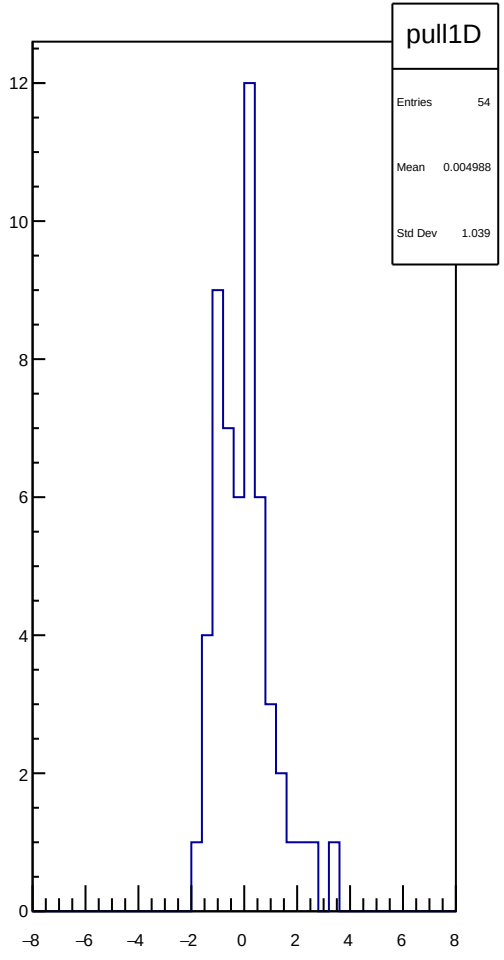

asym_sam_37_48_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 50.02 / 53
p0 −3.962e−06 ± 2.58e−06
pull
Entries 54
Mean 34.03
Std Dev 32.35
pull1D
Entries 54
Mean −0.01561
Std Dev 0.9623

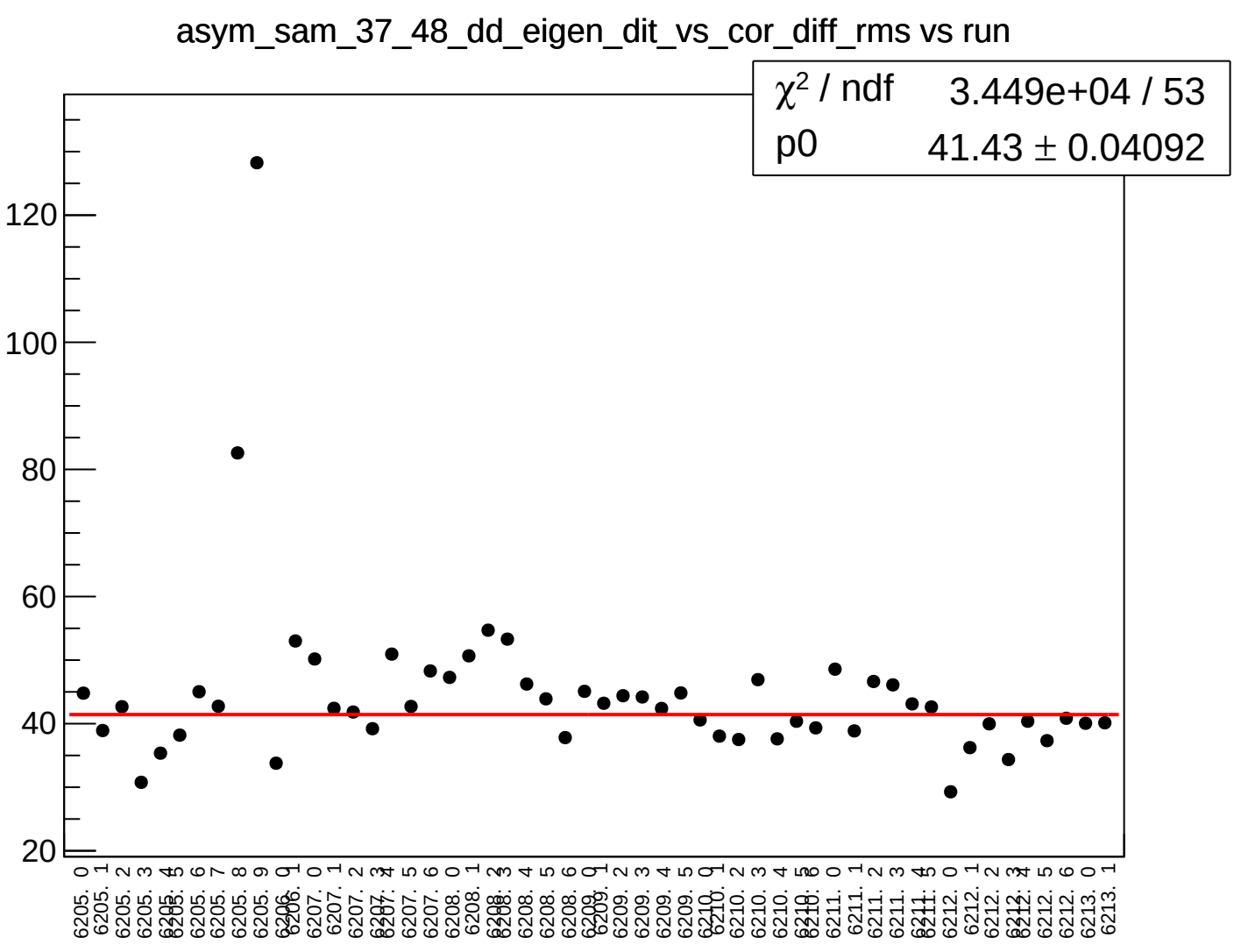

asym_sam_37_48_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2322 / 53
p0 0.001876 ± 1.825e−06
0.0022
0.0021
0.002
0.0019
0.0018
0.0017
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

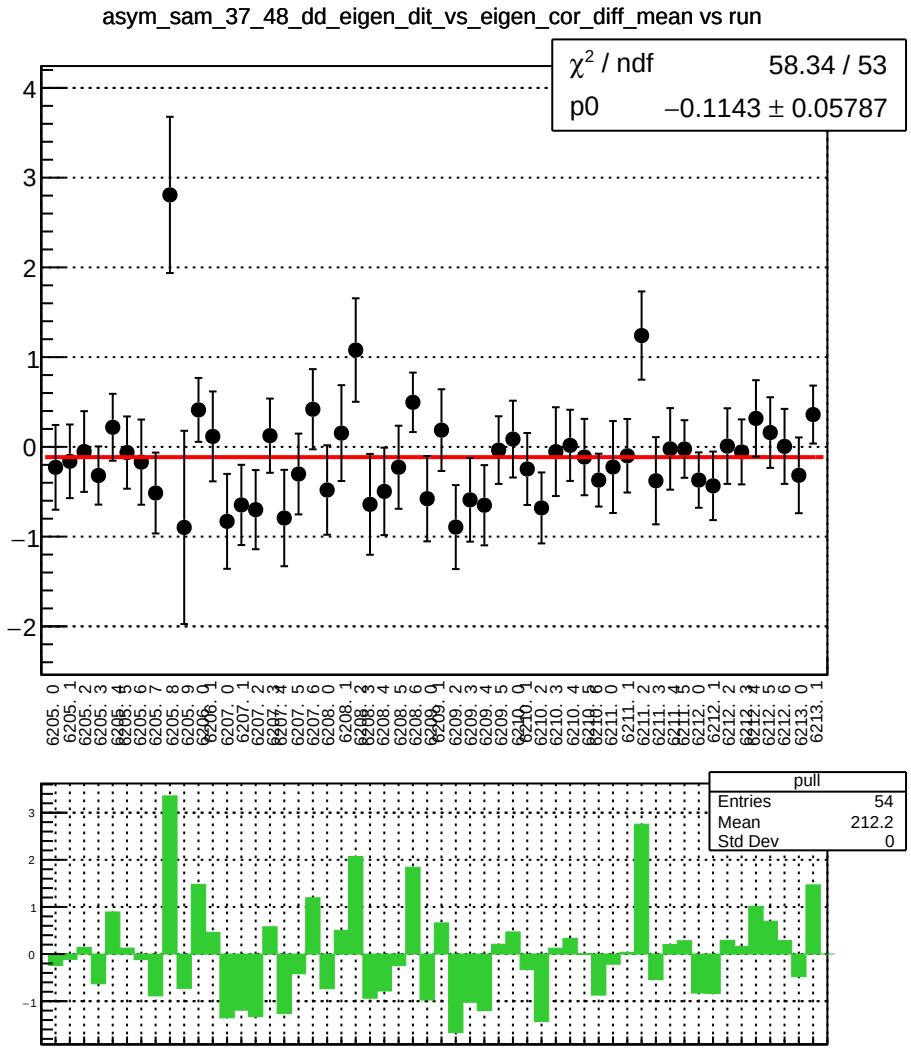
asym_sam_37_48_dd_eigen_dit_vs_cor_diff_mean vs run

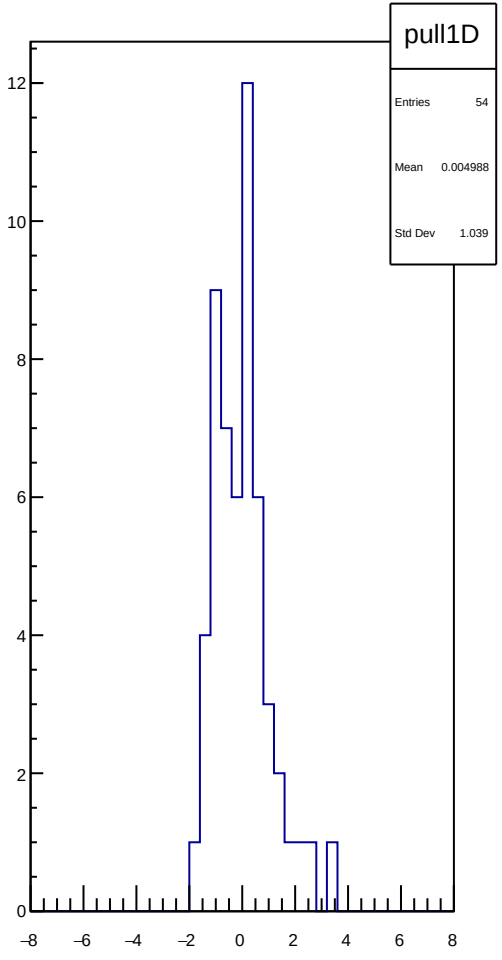


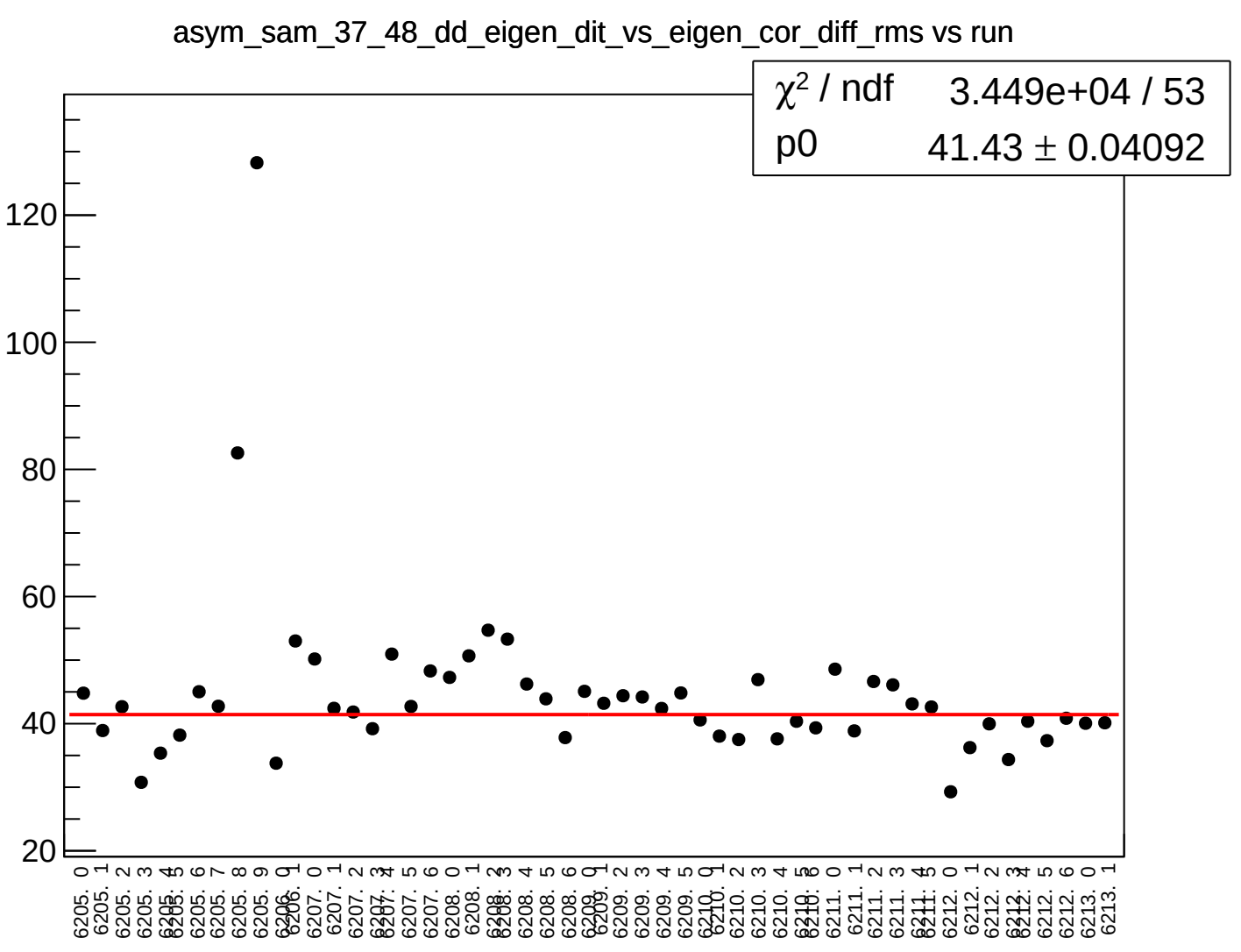


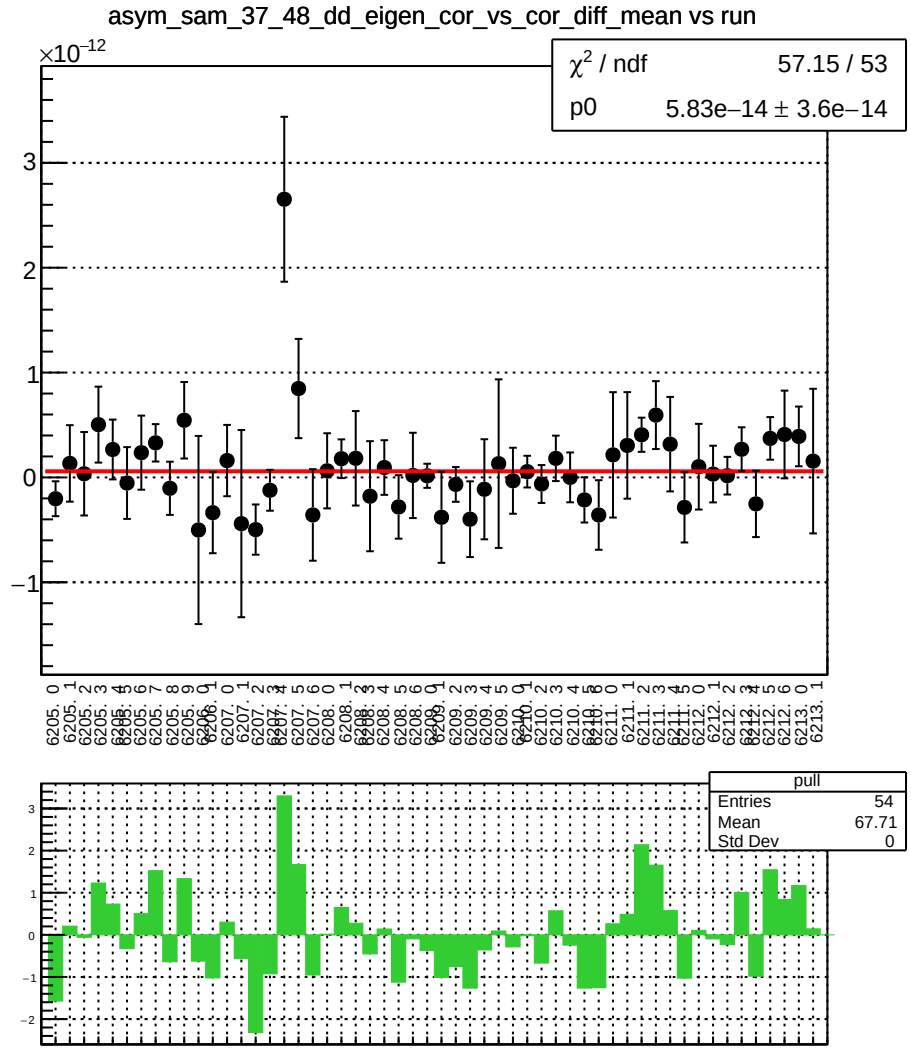


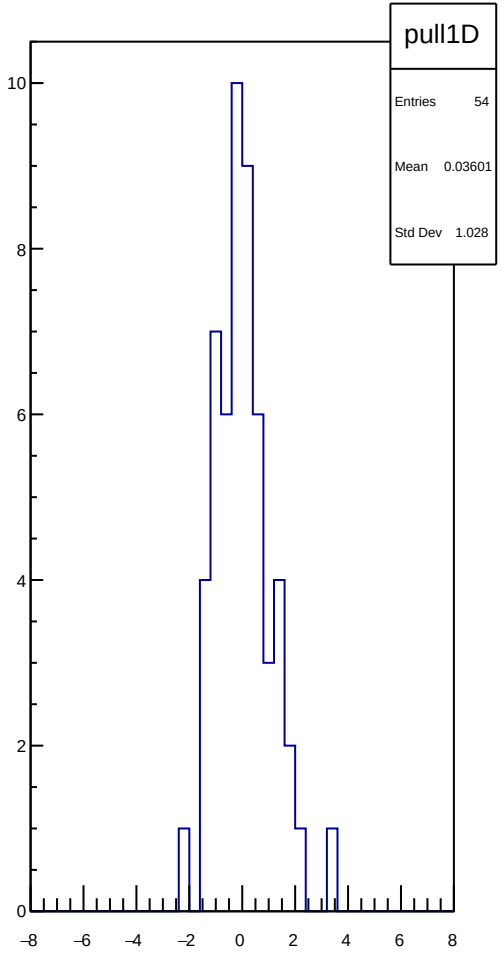

asym_sam_37_48_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.449e+04 / 53
p0 41.43 ± 0.04092
120
100
80
60
40
20
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

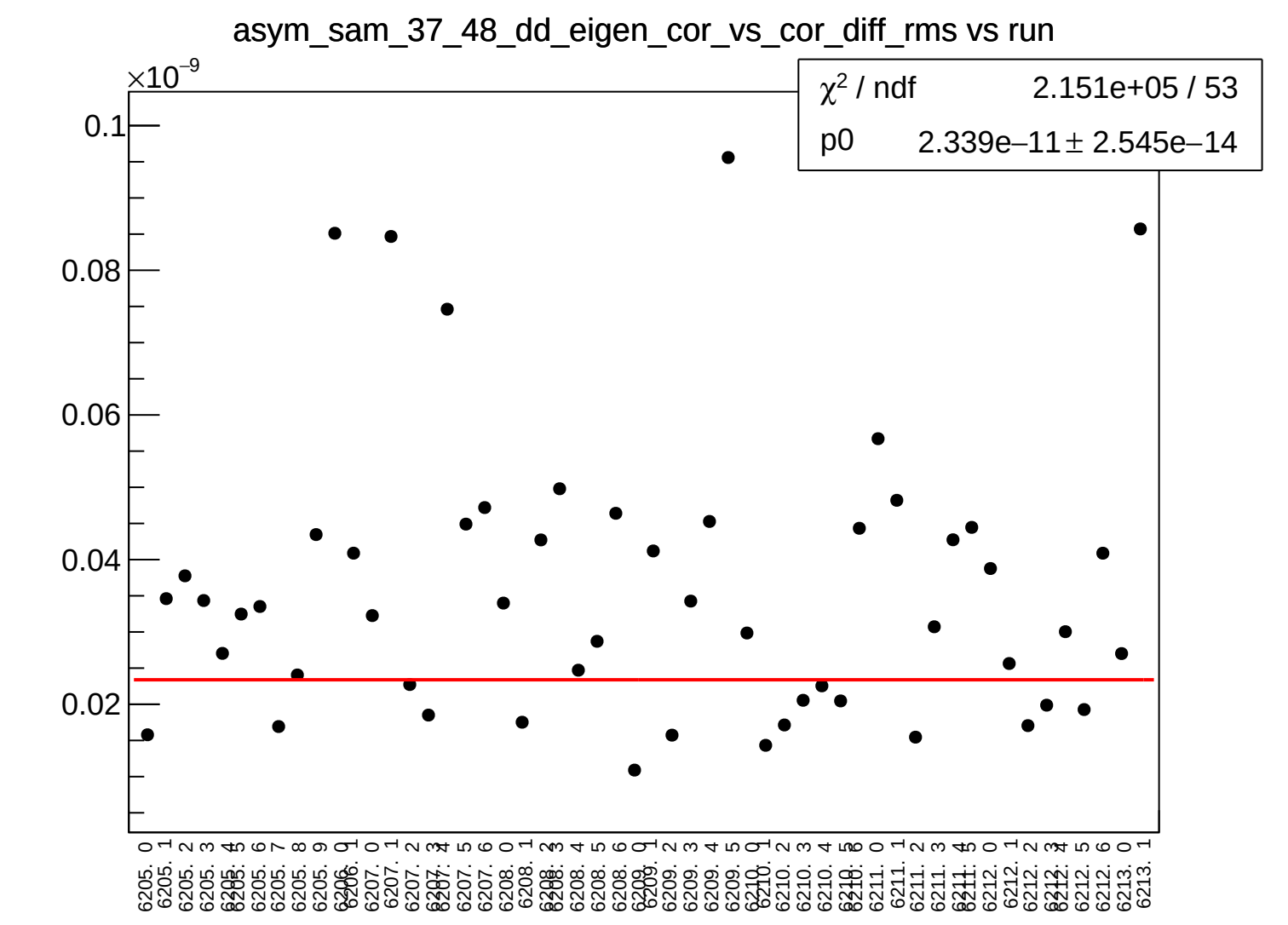

asym_sam_37_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 58.34 / 53
p0 −0.1143 ± 0.05787
pull
Entries 54
Mean 212.2
Std Dev 0

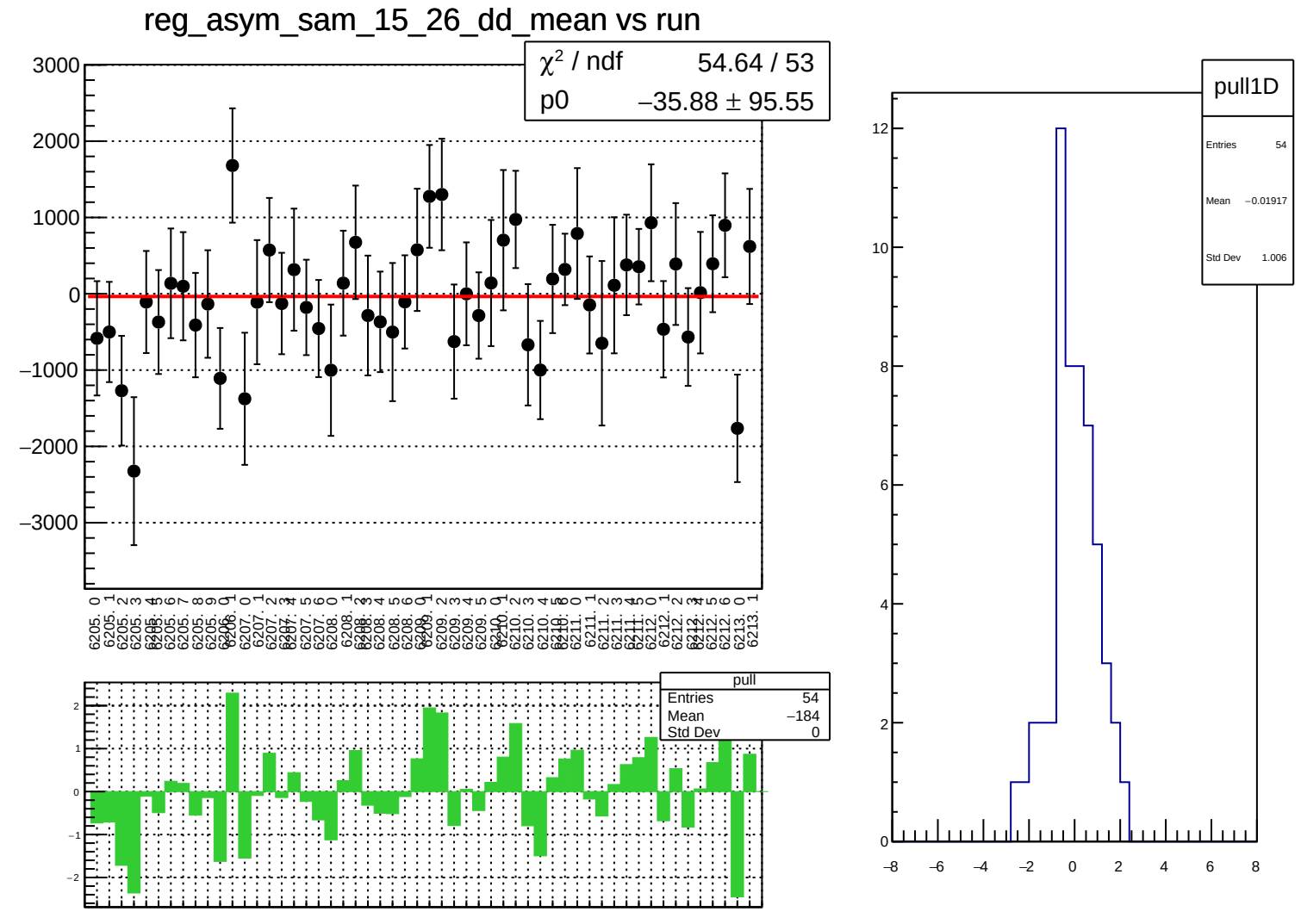

pull1D
Entries 54
Mean 0.004988
Std Dev 1.039

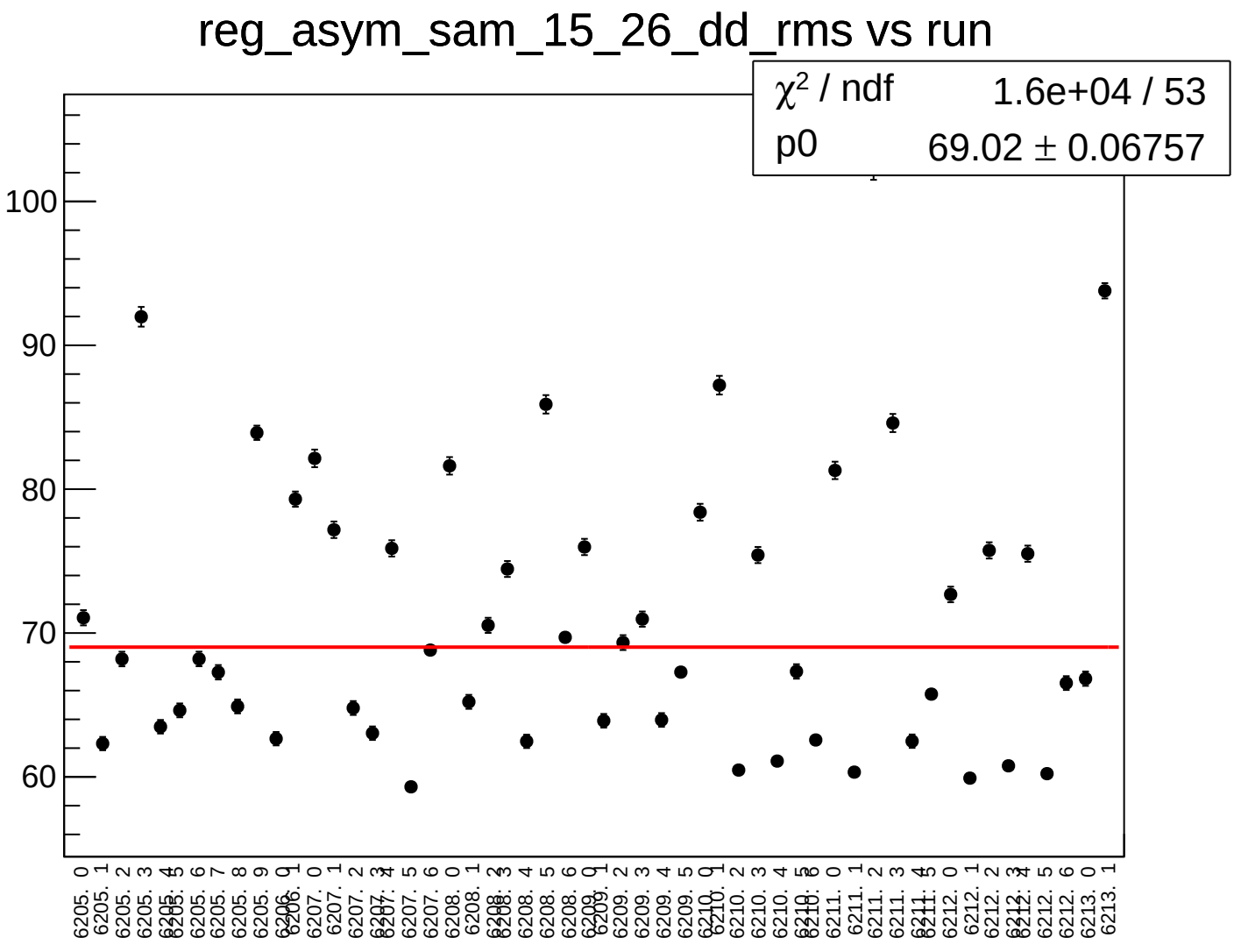

asym_sam_37_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.449e+04 / 53
p0 41.43 ± 0.04092
120
100
80
60
40
20
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

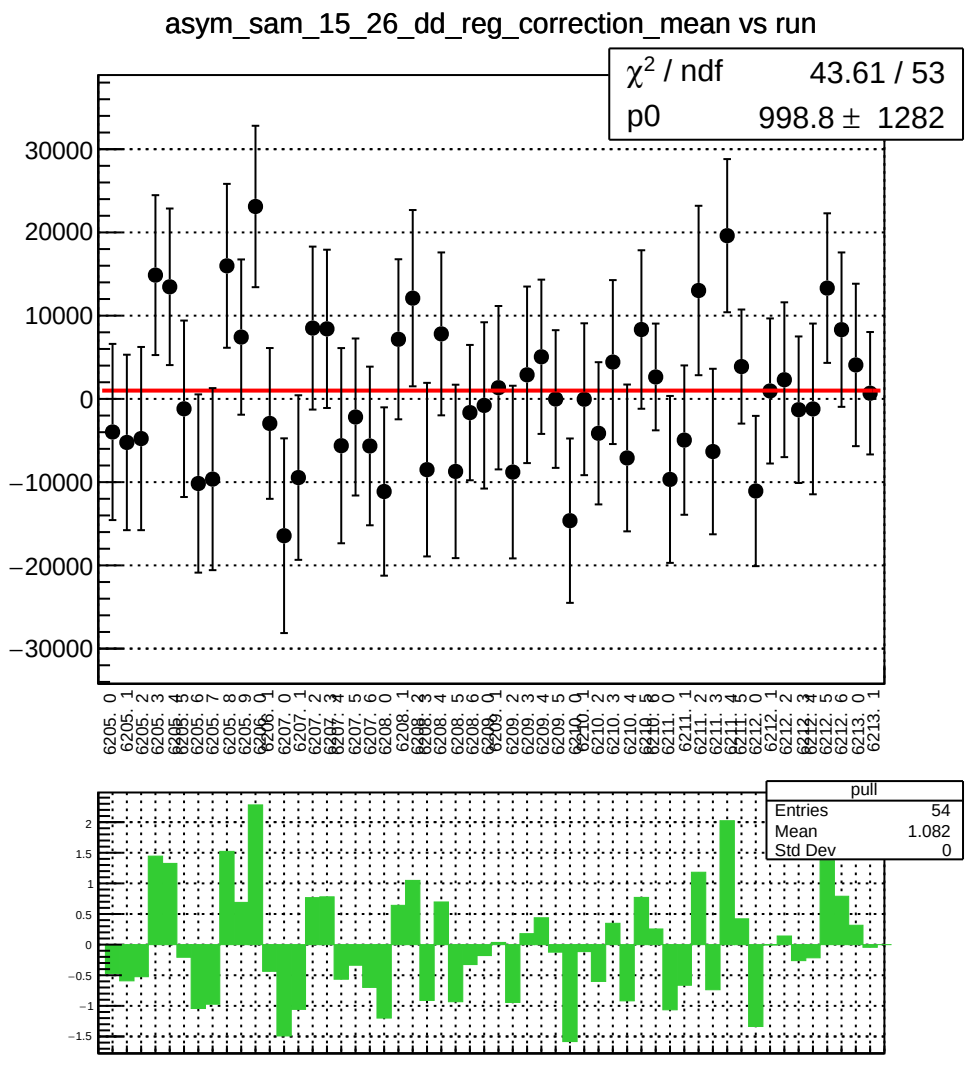

asym_sam_37_48_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 57.15 / 53
p0 5.83e−14 ± 3.6e−14
pull
Entries 54
Mean 67.71
Std Dev 0

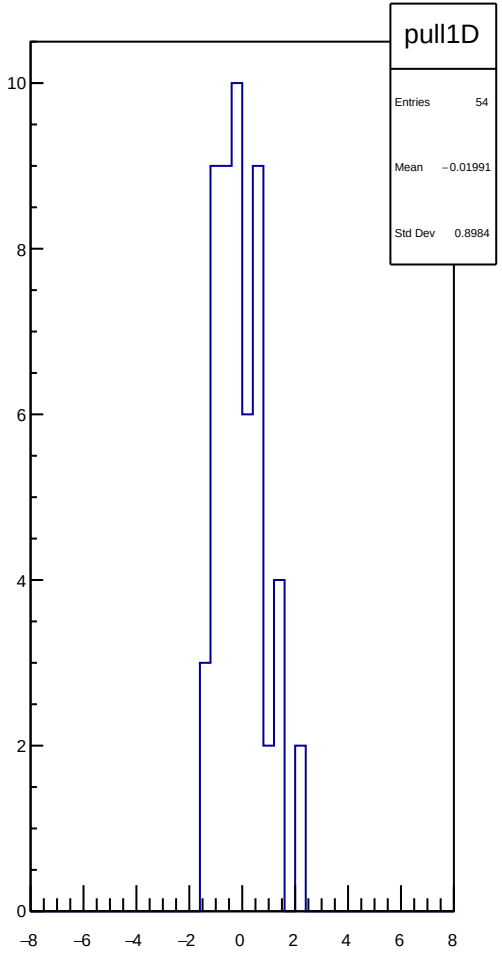

pull1D
Entries 54
Mean 0.03601
Std Dev 1.028

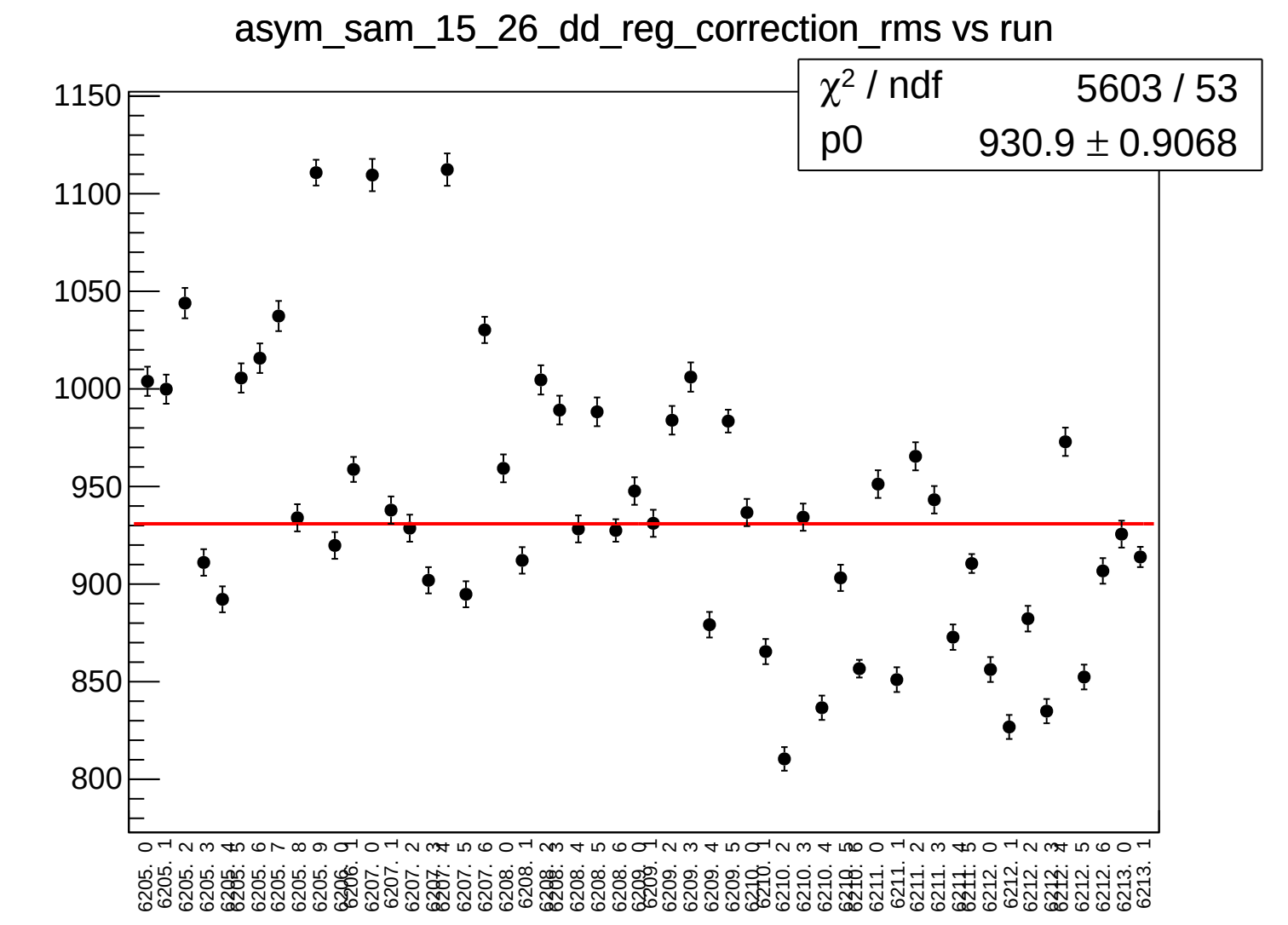

asym_sam_37_48_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.151e+05 / 53
p0 2.339e−11 ± 2.545e−14
0.1
0.08
0.06
0.04
0.02

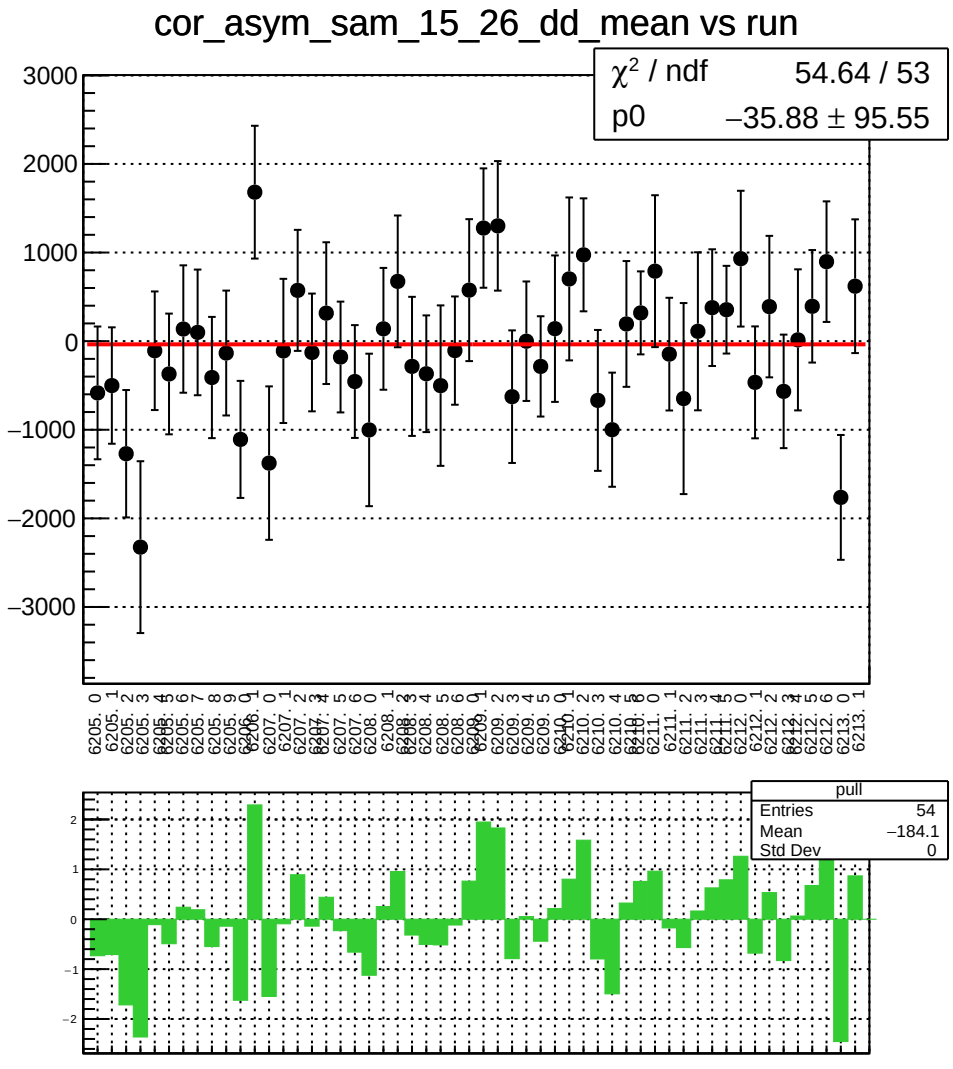

reg_asym_sam_15_26_dd_mean vs run
χ² / ndf 54.64 / 53
p0 −35.88 ± 95.55
pull
Entries 54
Mean −184
Std Dev 0
pull1D
Entries 54
Mean −0.01917
Std Dev 1.006

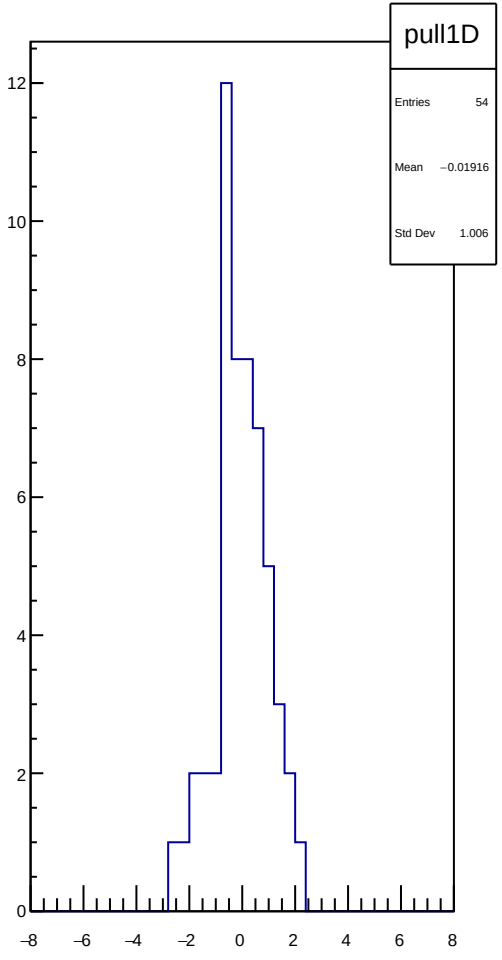

reg_asym_sam_15_26_dd_rms vs run
χ² / ndf 1.6e+04 / 53
p0 69.02 ± 0.06757
100
90
80
70
60
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 1
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

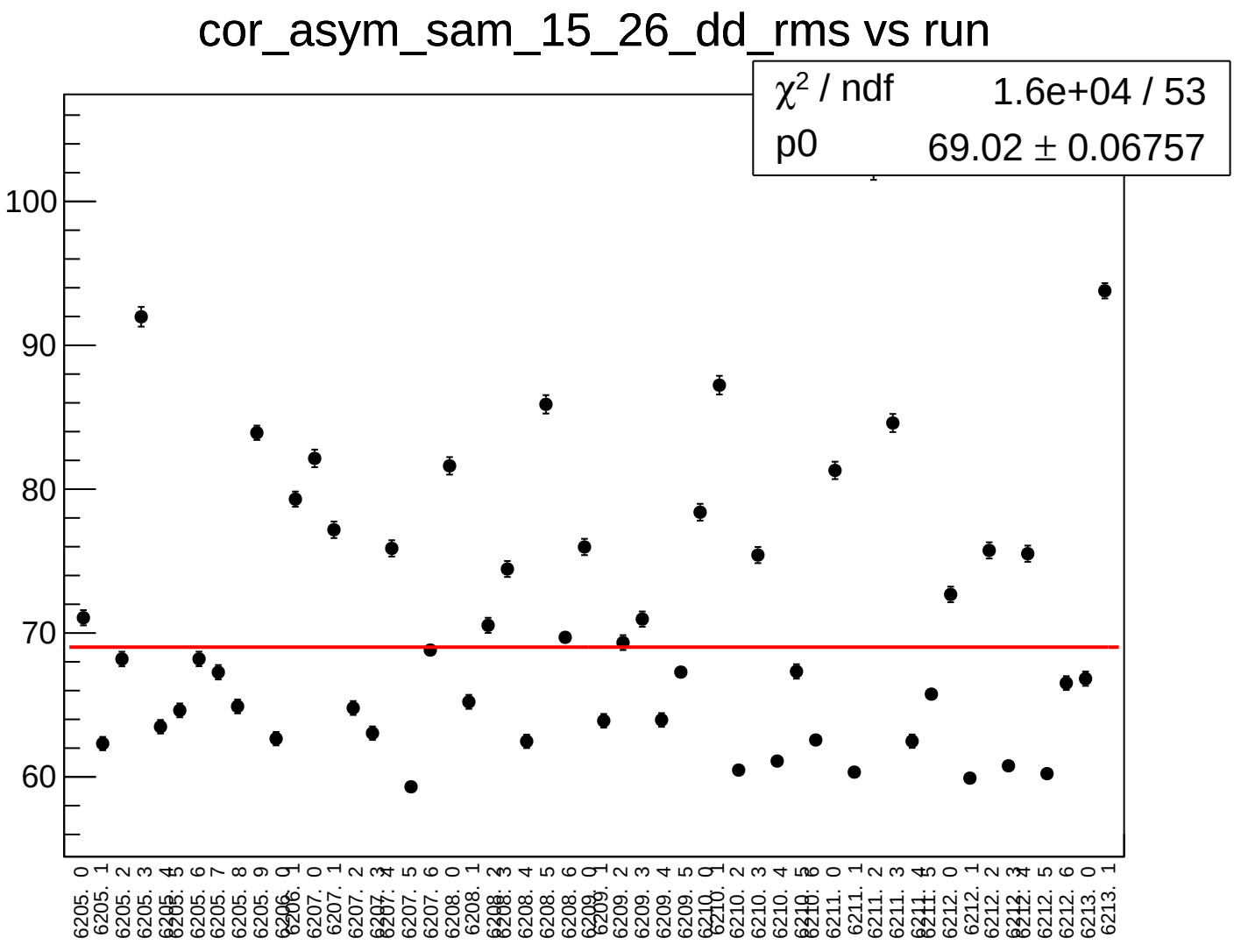

asym_sam_15_26_dd_reg_correction_mean vs run
χ² / ndf 43.61 / 53
p0 998.8 ± 1282
pull
Entries 54
Mean 1.082
Std Dev 0

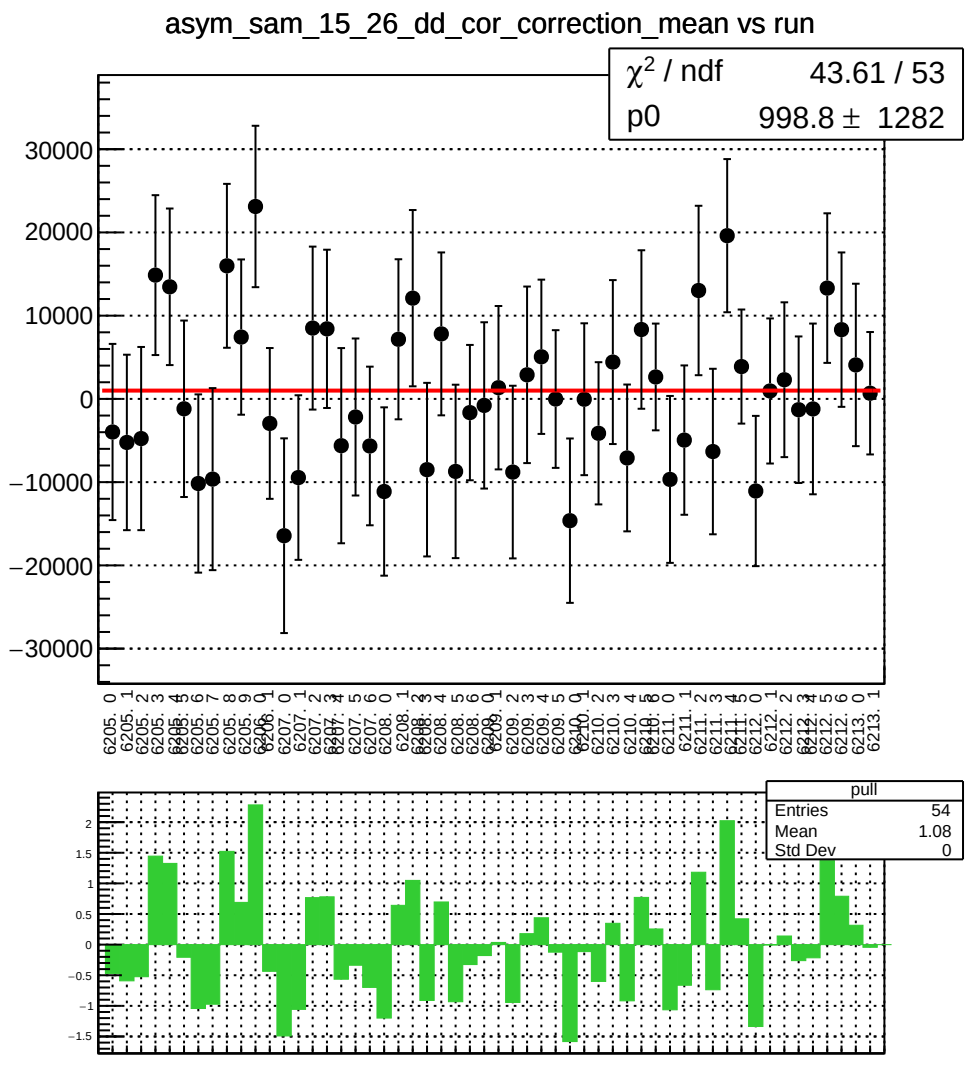

pull1D
Entries 54
Mean −0.01991
Std Dev 0.8984

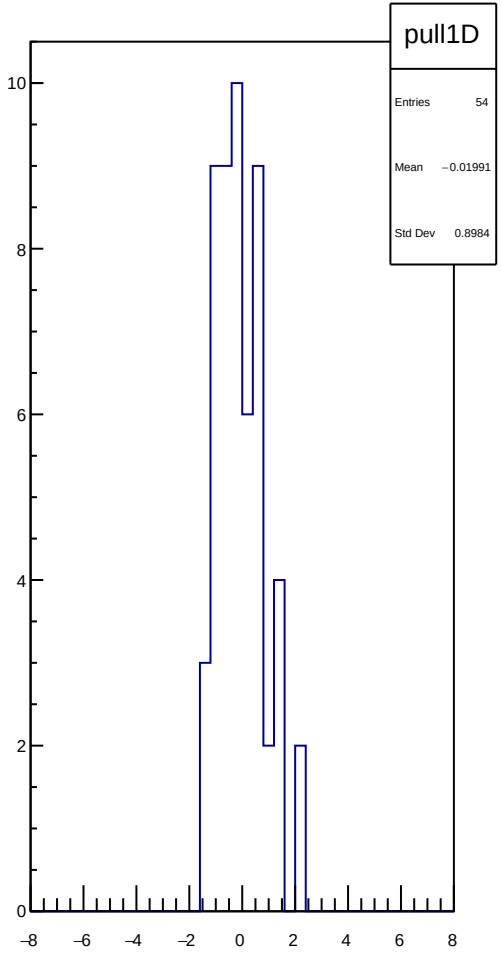

asym_sam_15_26_dd_reg_correction_rms vs run
χ² / ndf 5603 / 53
p0 930.9 ± 0.9068
1150
1100
1050
1000
950
900
850
800
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

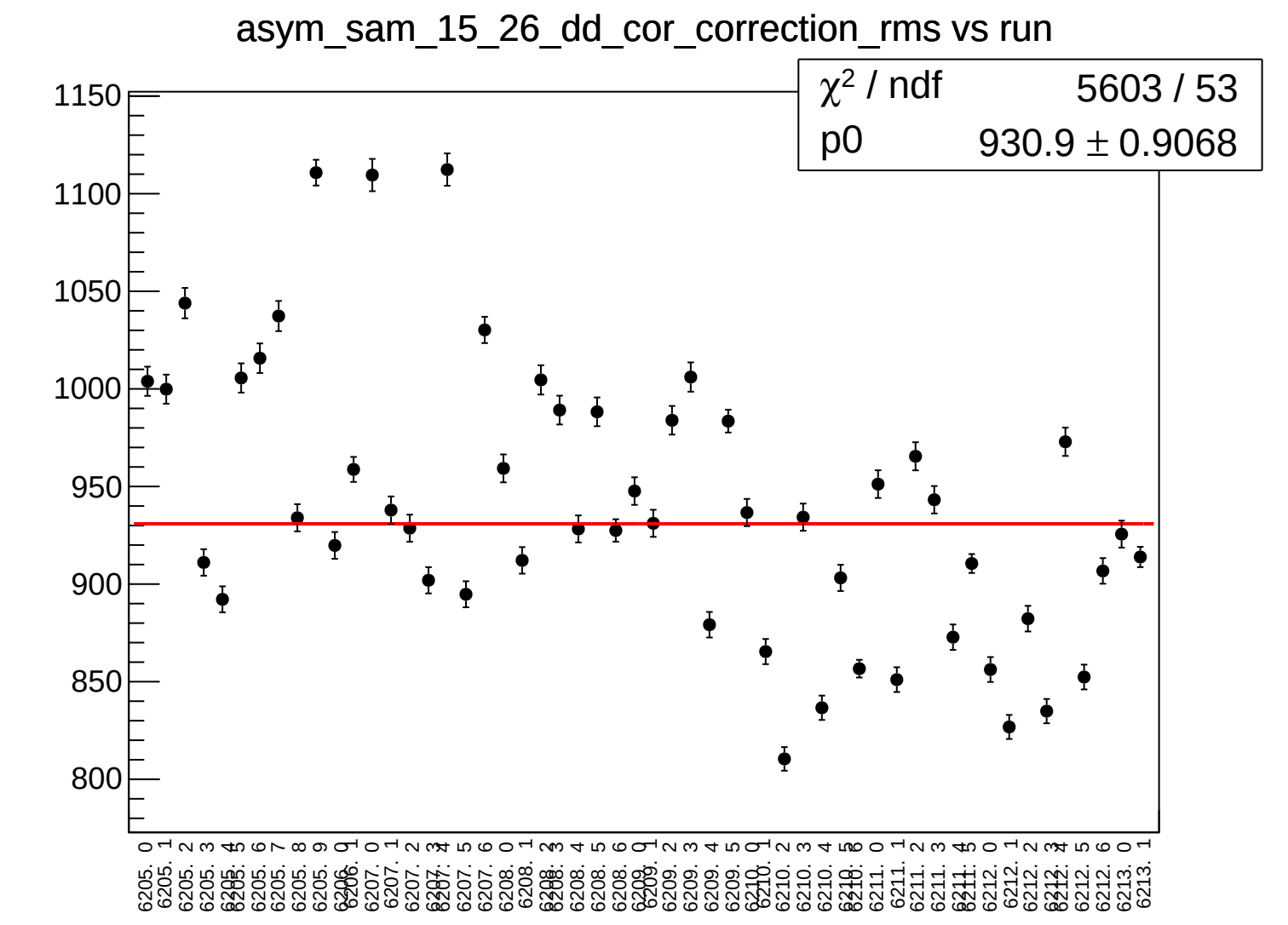

cor_asym_sam_15_26_dd_mean vs run
χ² / ndf 54.64 / 53
p0 −35.88 ± 95.55
pull
Entries 54
Mean −184.1
Std Dev 0

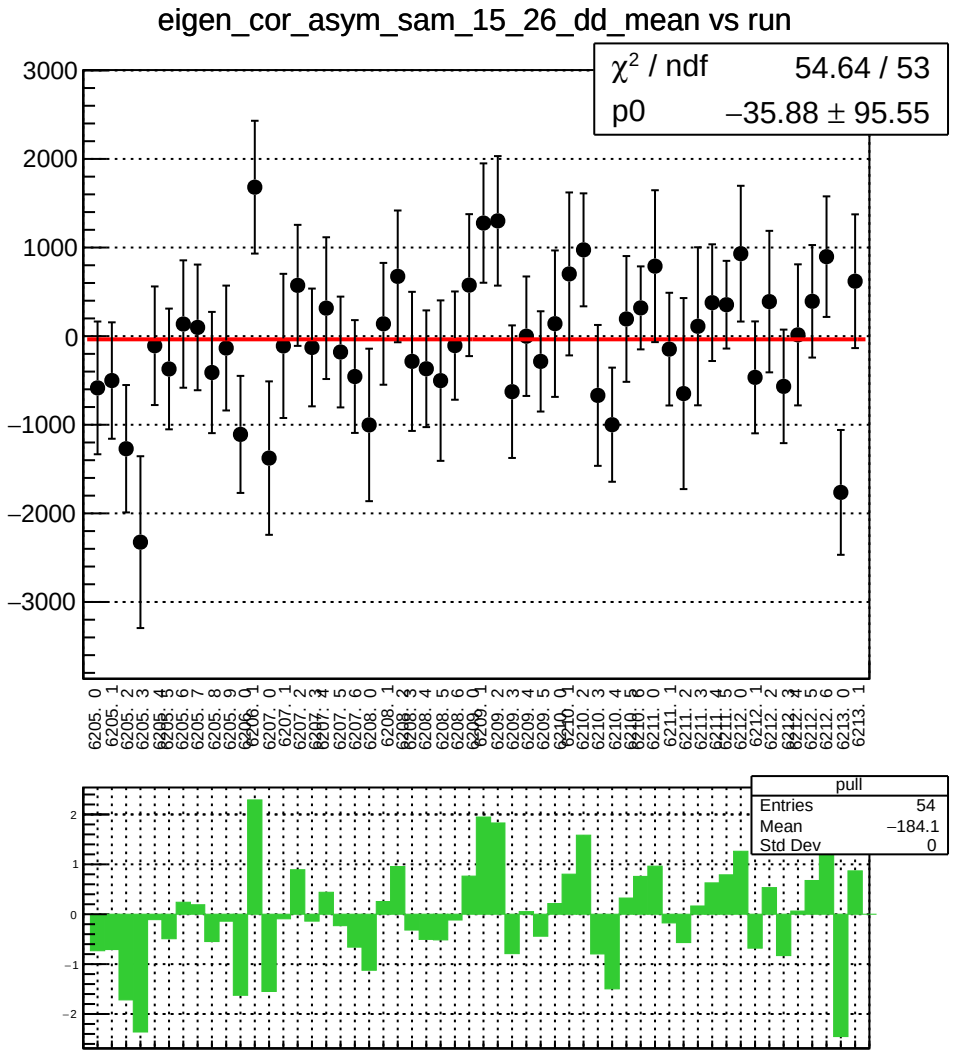

pull1D
Entries 54
Mean −0.01916
Std Dev 1.006

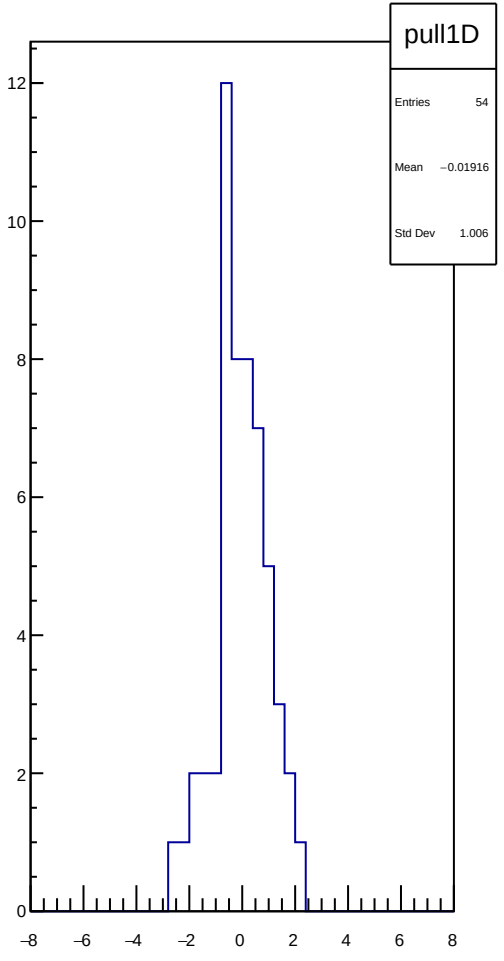

cor_asym_sam_15_26_dd_rms vs run
χ² / ndf 1.6e+04 / 53
p0 69.02 ± 0.06757
100
90
80
70
60
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 1
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

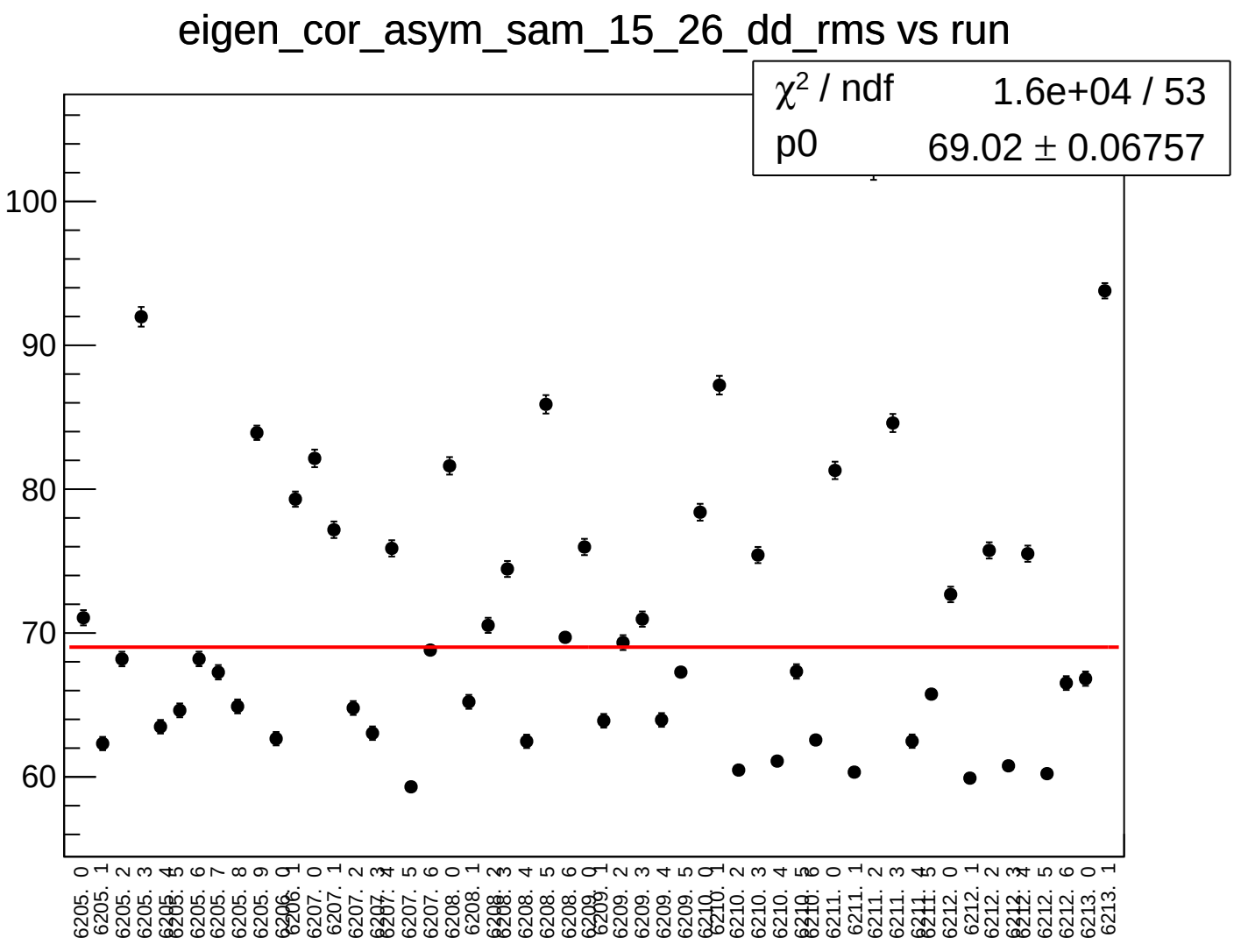

asym_sam_15_26_dd_cor_correction_mean vs run
χ² / ndf 43.61 / 53
p0 998.8 ± 1282
pull
Entries 54
Mean 1.08
Std Dev 0

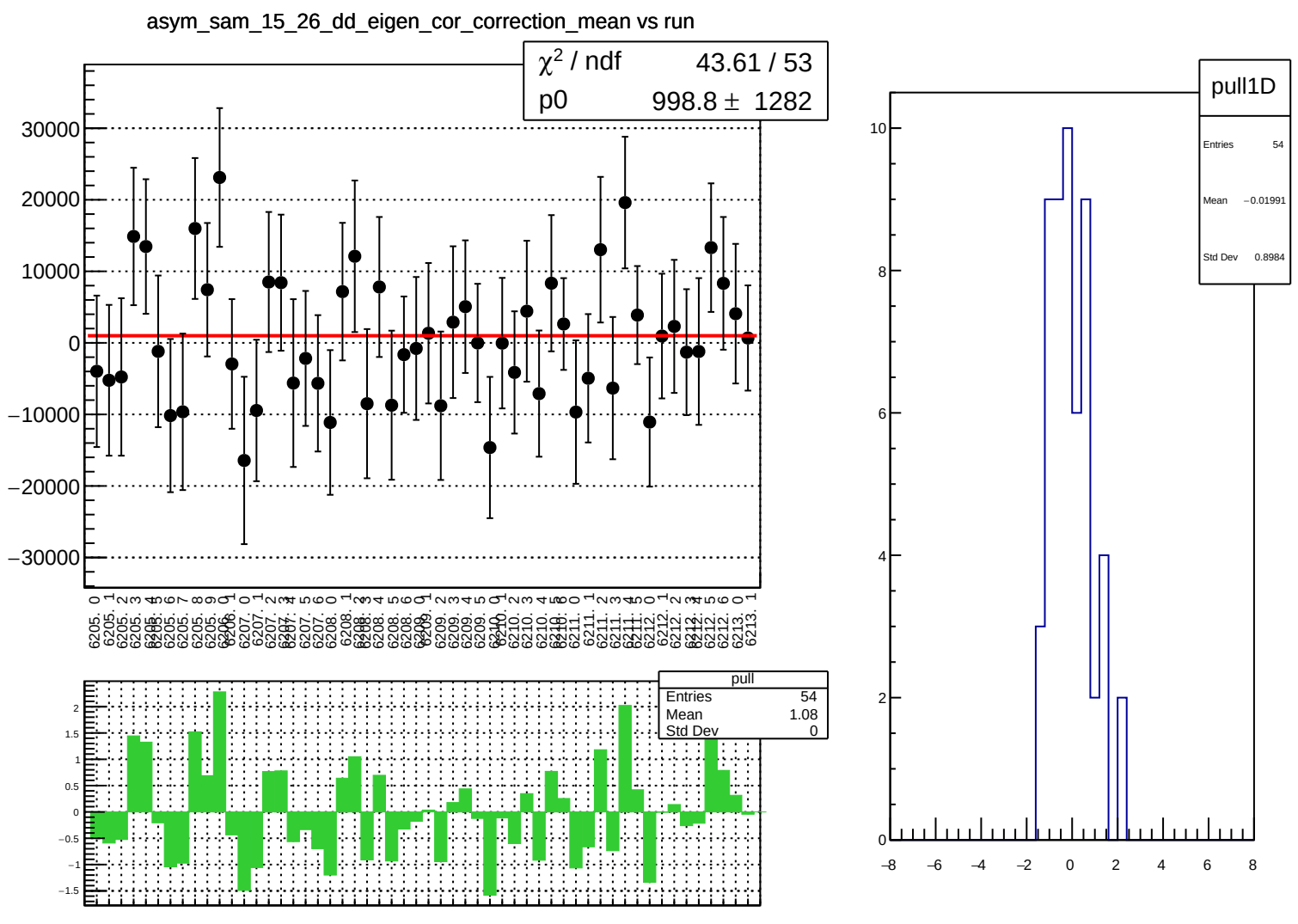

pull1D
Entries 54
Mean −0.01991
Std Dev 0.8984

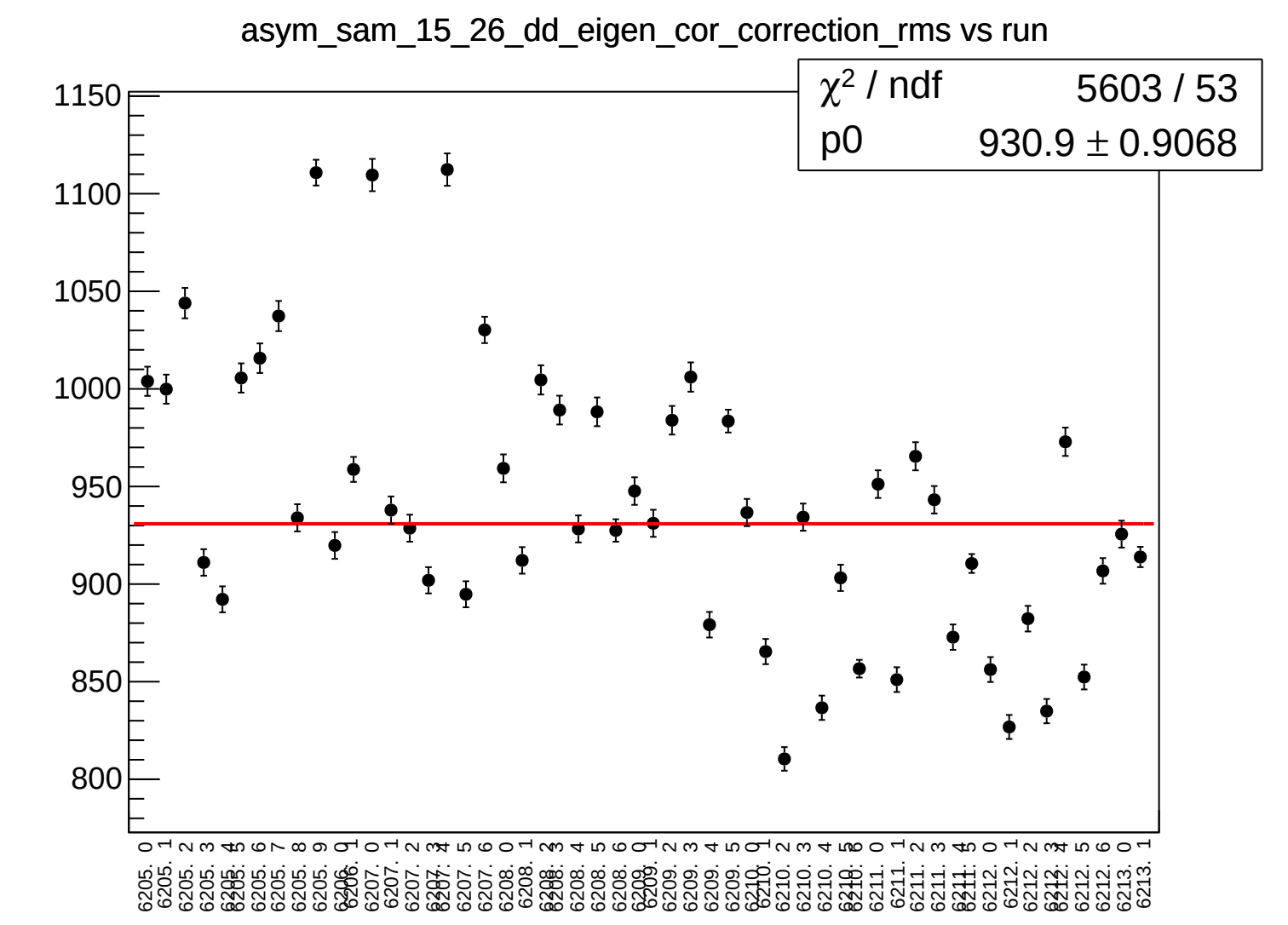

asym_sam_15_26_dd_cor_correction_rms vs run
χ² / ndf 5603 / 53
p0 930.9 ± 0.9068
1150
1100
1050
1000
950
900
850
800
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

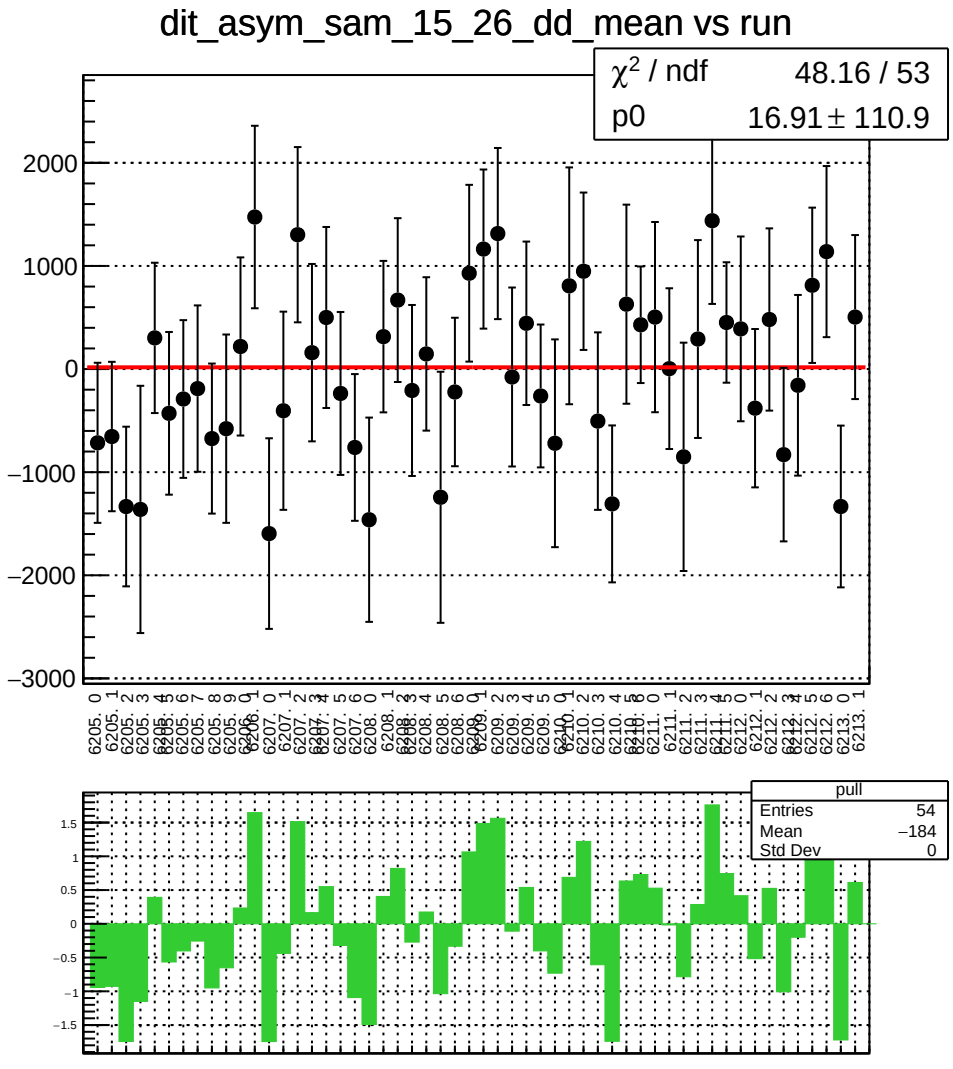

eigen_cor_asym_sam_15_26_dd_mean vs run
χ² / ndf 54.64 / 53
p0 −35.88 ± 95.55
pull
Entries 54
Mean −184.1
Std Dev 0

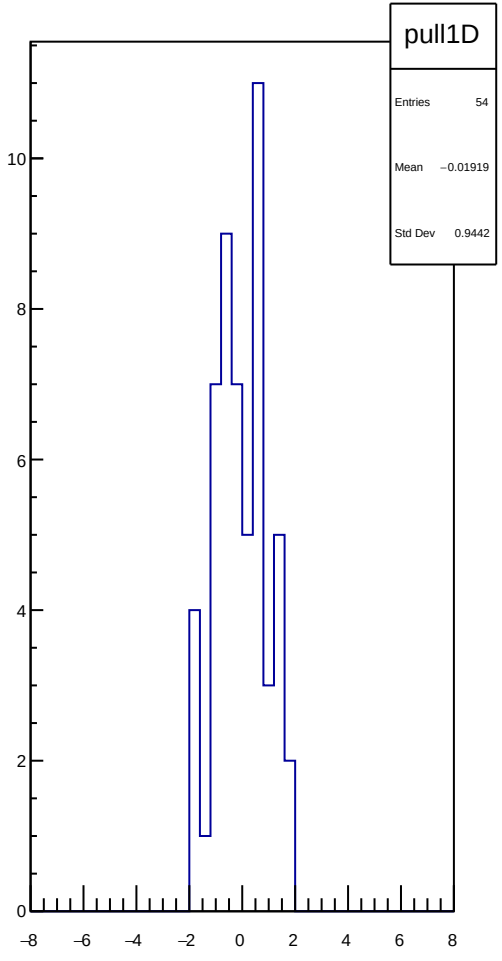

pull1D
Entries 54
Mean −0.01916
Std Dev 1.006

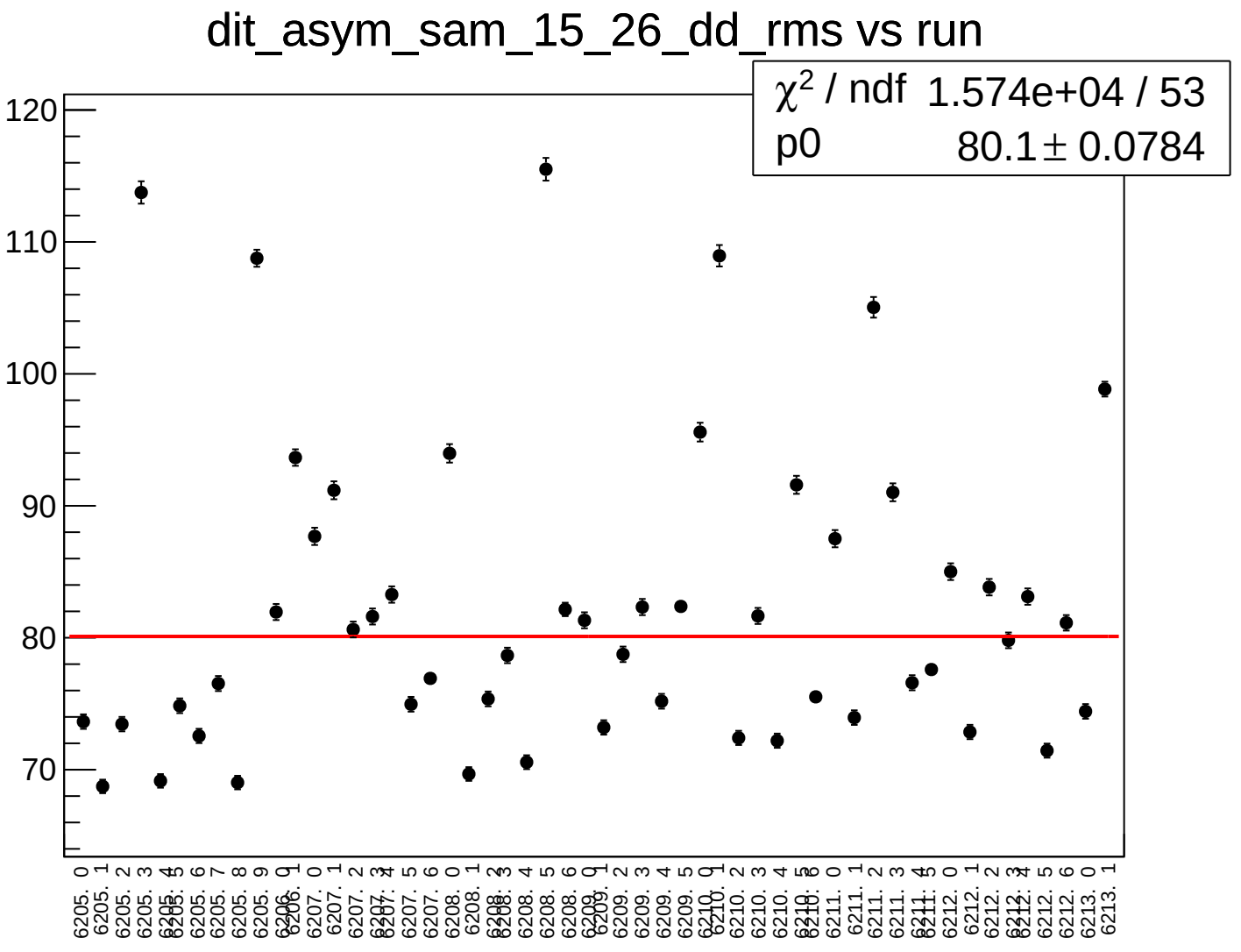

eigen_cor_asym_sam_15_26_dd_rms vs run
χ² / ndf 1.6e+04 / 53
p0 69.02 ± 0.06757
100
90
80
70
60
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

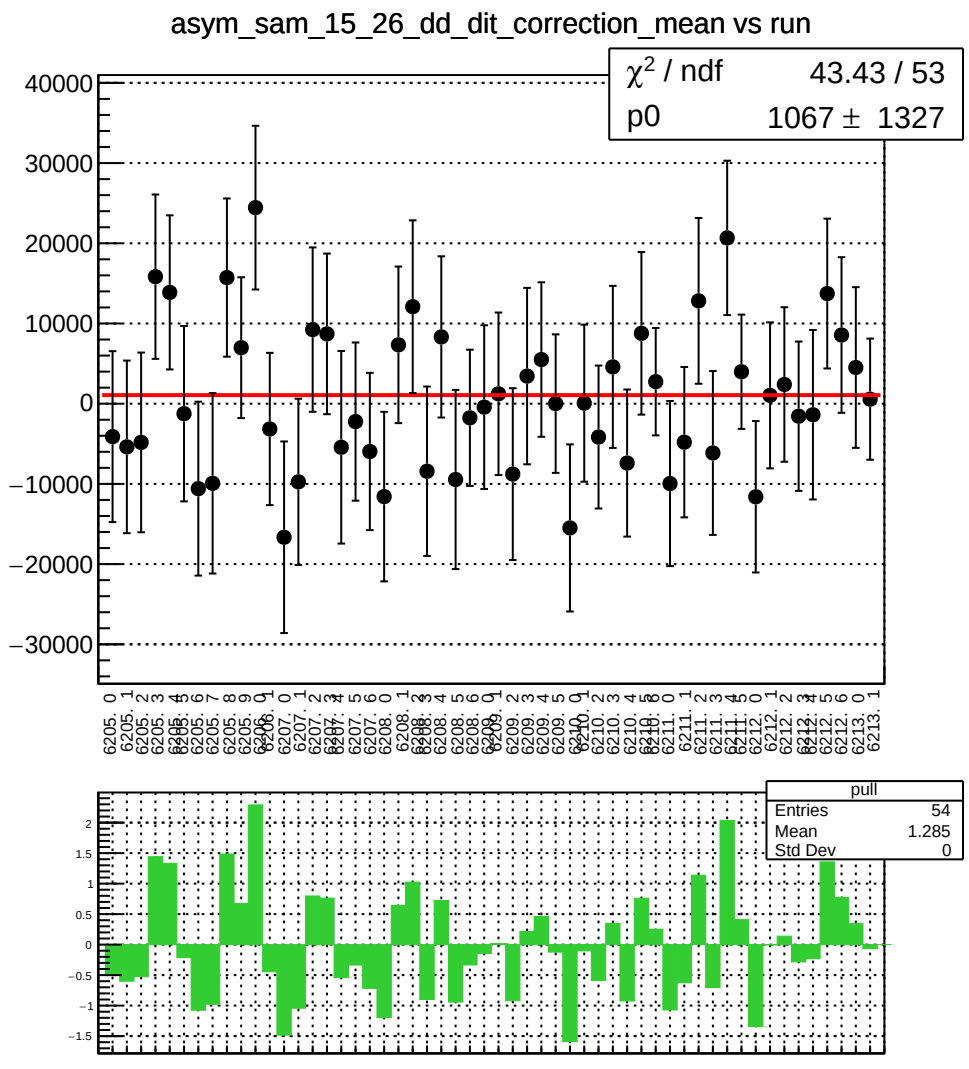

asym_sam_15_26_dd_eigen_cor_correction_mean vs run
χ² / ndf 43.61 / 53
p0 998.8 ± 1282
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 54
Mean 1.08
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 54
Mean −0.01991
Std Dev 0.8984
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

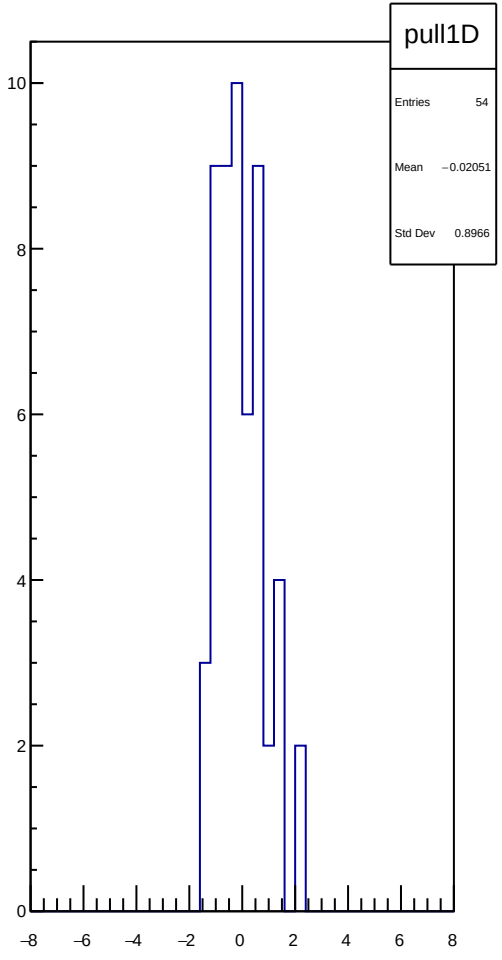

asym_sam_15_26_dd_eigen_cor_correction_rms vs run
χ² / ndf 5603 / 53
p0 930.9 ± 0.9068
1150
1100
1050
1000
950
900
850
800
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

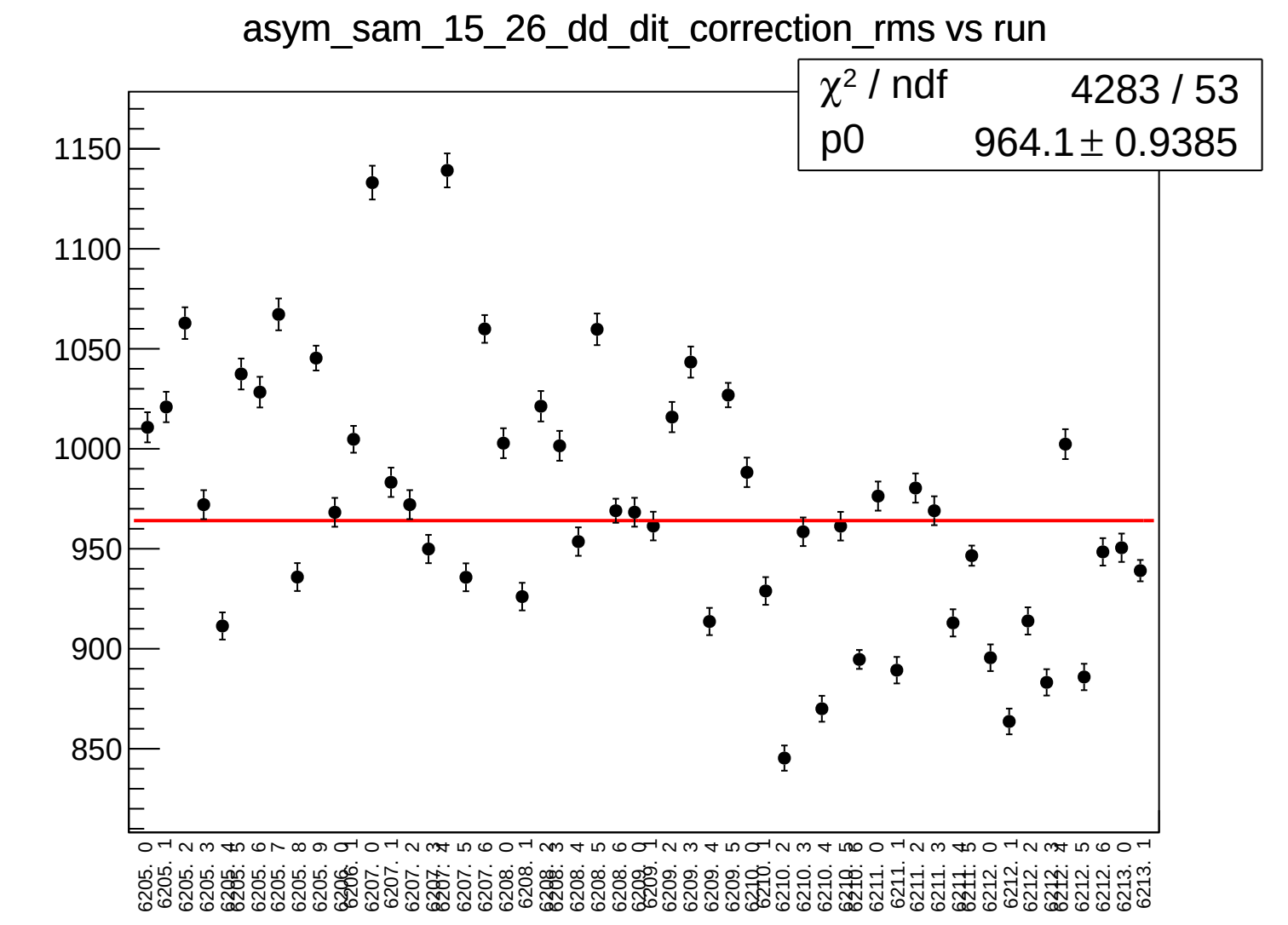

dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 48.16 / 53
p0 16.91 ± 110.9
2000
1000
0
−1000
−2000
−3000
pull
Entries 54
Mean −184
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

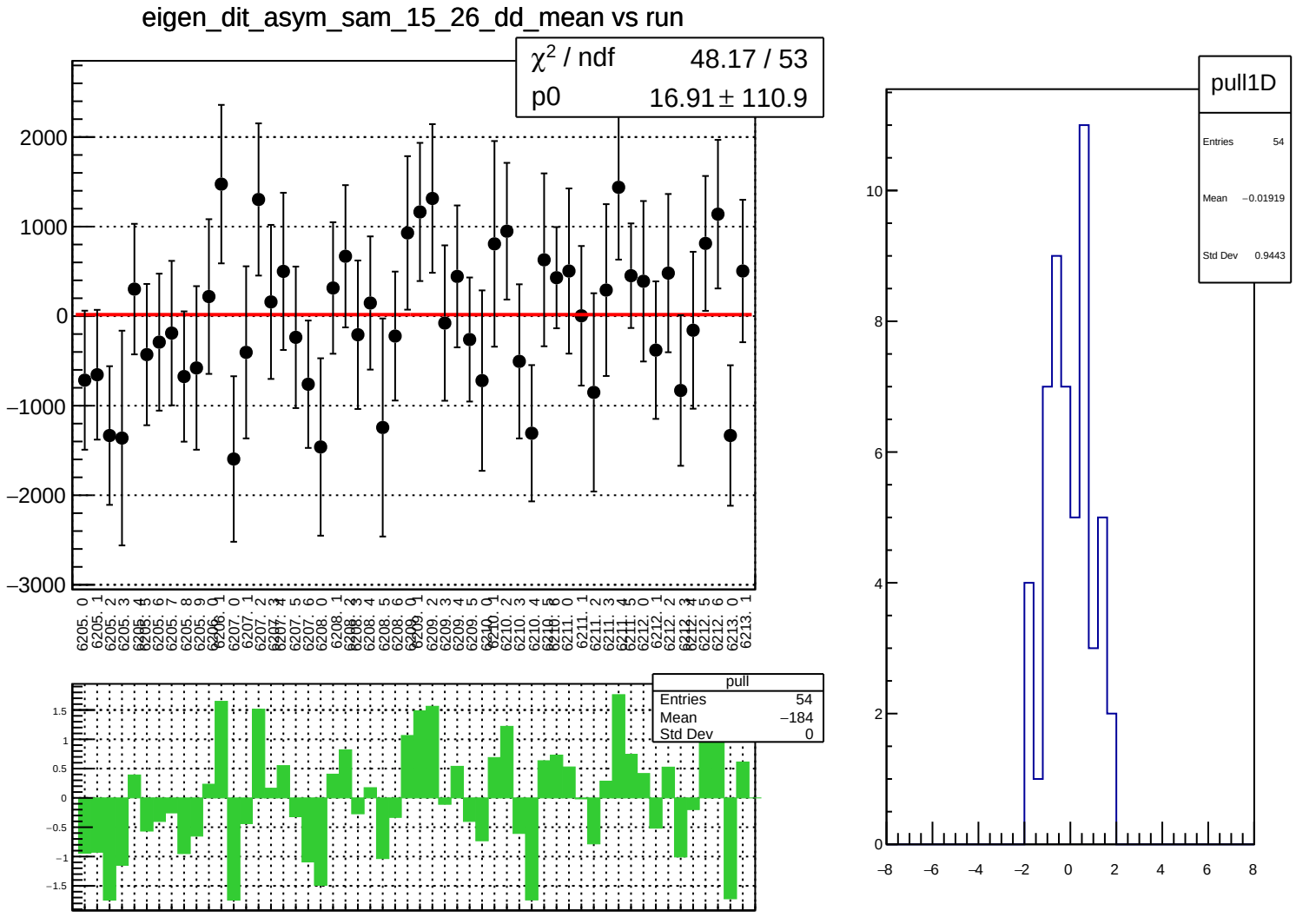

pull1D
Entries 54
Mean −0.01919
Std Dev 0.9442
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

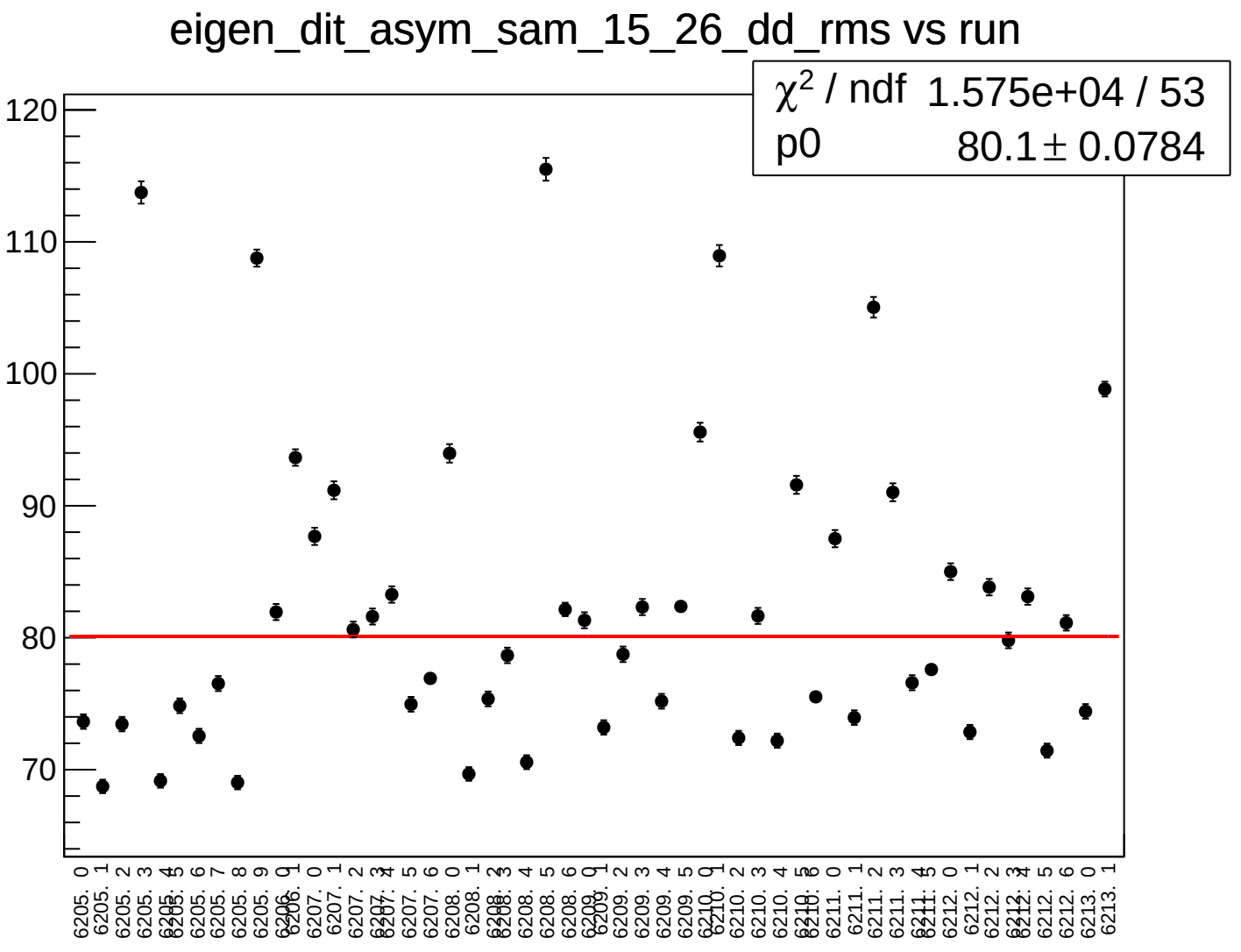

dit_asym_sam_15_26_dd_rms vs run
χ² / ndf 1.574e+04 / 53
p0 80.1 ± 0.0784
120
110
100
90
80
70
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_sam_15_26_dd_dit_correction_mean vs run
χ² / ndf 43.43 / 53
p0 1067 ± 1327
pull
Entries 54
Mean 1.285
Std Dev 0


pull1D
Entries 54
Mean −0.02051
Std Dev 0.8966


asym_sam_15_26_dd_dit_correction_rms vs run
χ² / ndf 4283 / 53
p0 964.1 ± 0.9385
1150
1100
1050
1000
950
900
850
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


eigen_dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 48.17 / 53
p0 16.91 ± 110.9
2000
1000
0
−1000
−2000
−3000
pull
Entries 54
Mean −184
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 54
Mean −0.01919
Std Dev 0.9443
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_dit_asym_sam_15_26_dd_rms vs run
χ² / ndf 1.575e+04 / 53
p0 80.1 ± 0.0784
120
110
100
90
80
70
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
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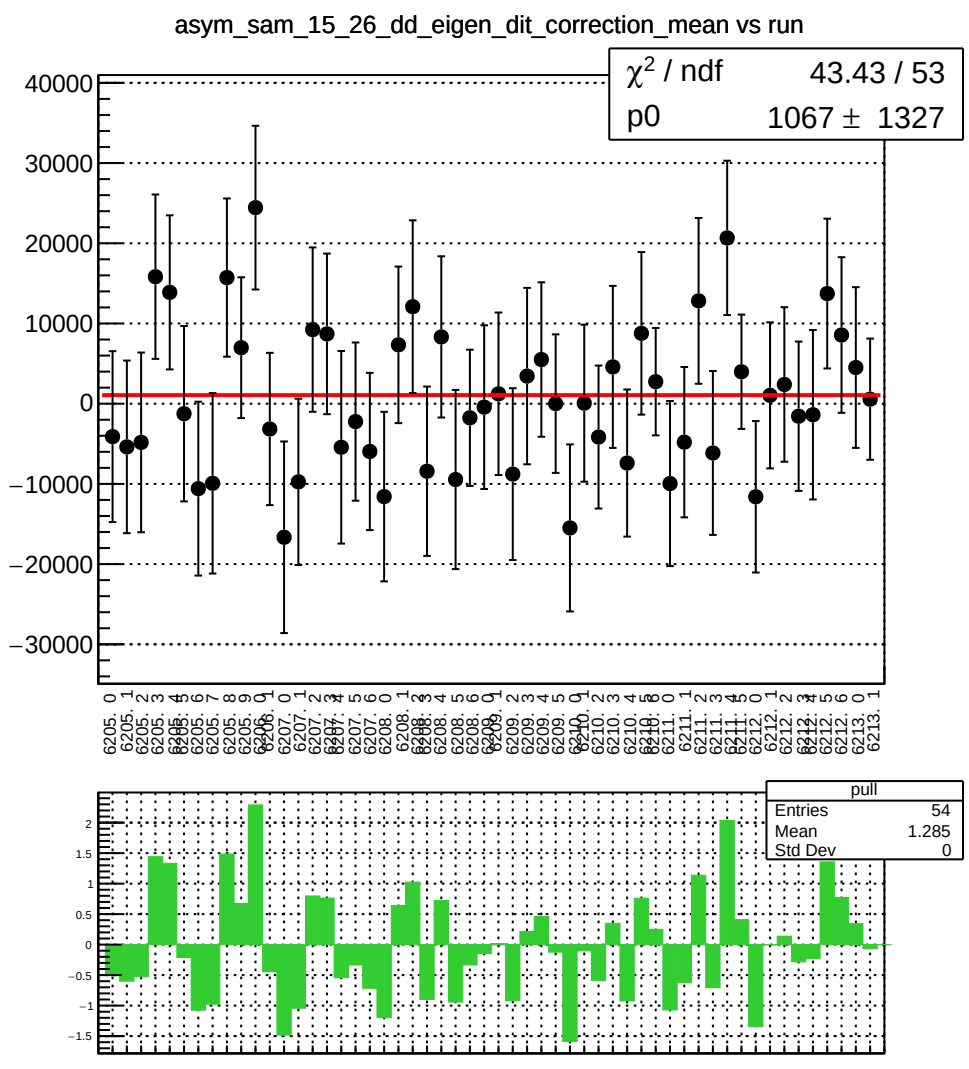
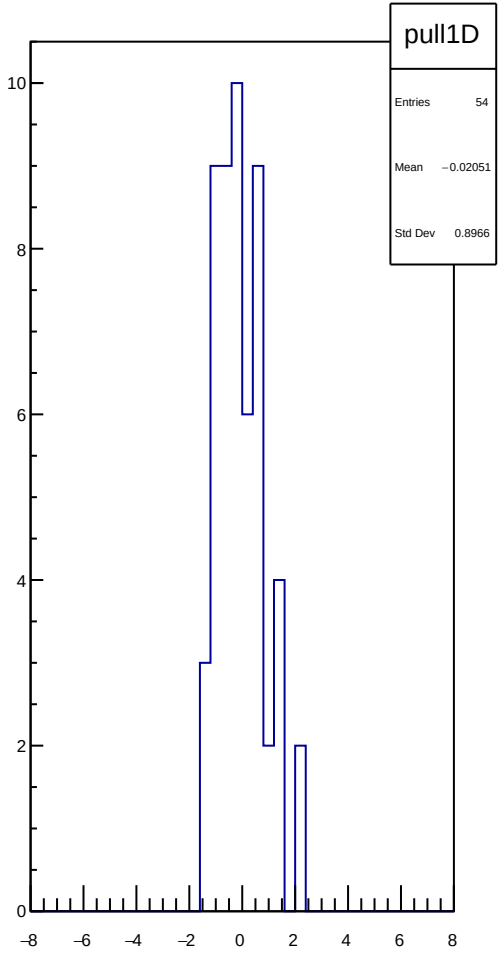
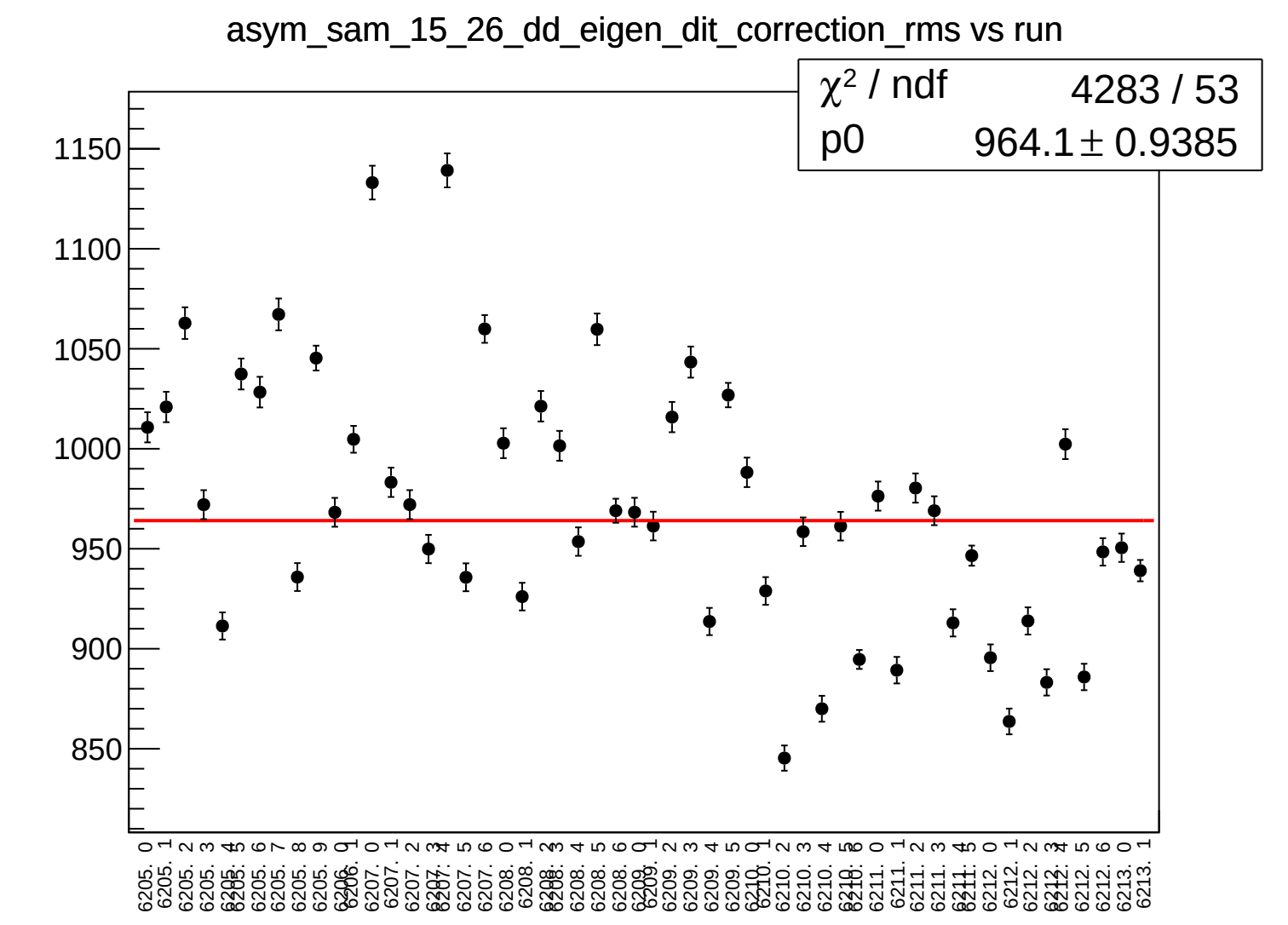
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_sam_15_26_dd_eigen_dit_correction_mean vs run
χ² / ndf 43.43 / 53
p0 1067 ± 1327
pull
Entries 54
Mean 1.285
Std Dev 0


pull1D
Entries 54
Mean −0.02051
Std Dev 0.8966


asym_sam_15_26_dd_eigen_dit_correction_rms vs run
χ² / ndf 4283 / 53
p0 964.1 ± 0.9385
1150
1100
1050
1000
950
900
850
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
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6207. 5
6207. 6
6208. 0
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6208. 5
6208. 6
6209. 0
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6209. 2
6209. 3
6209. 4
6209. 5
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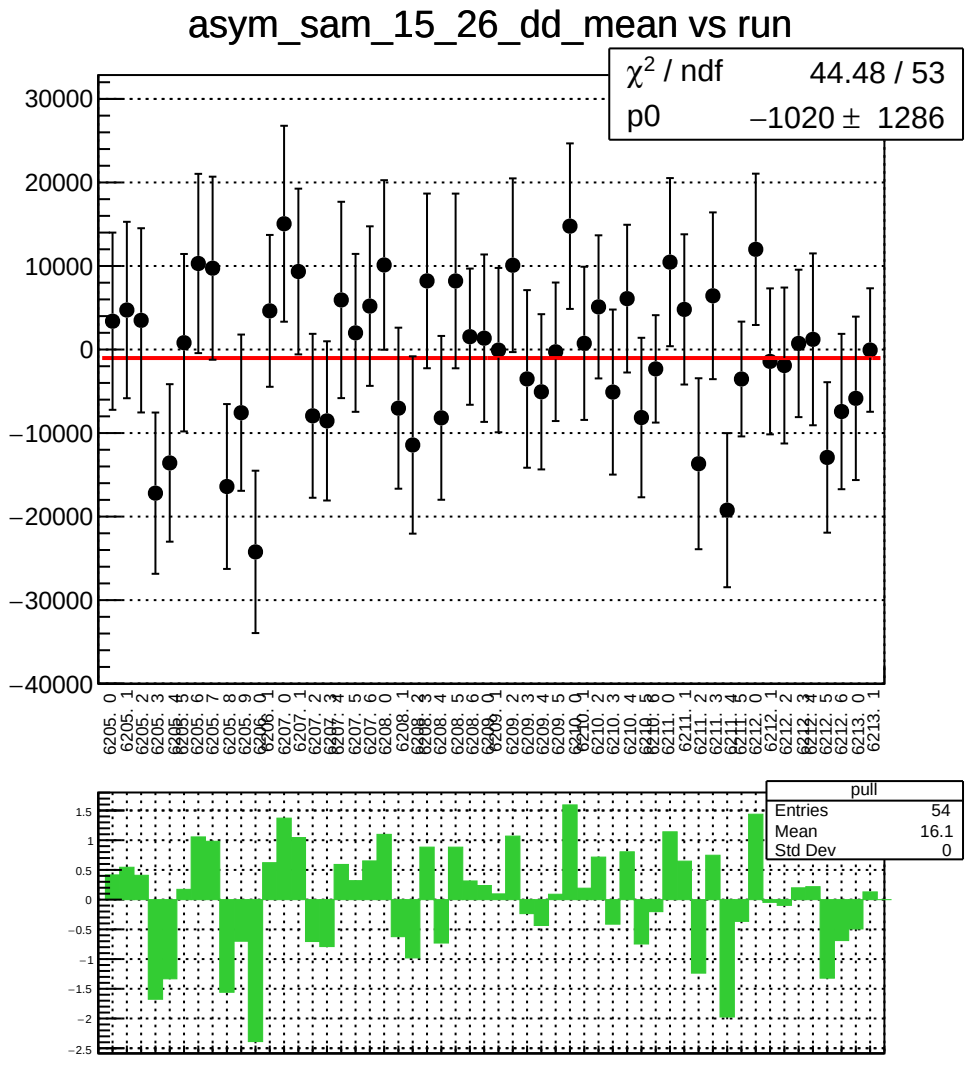
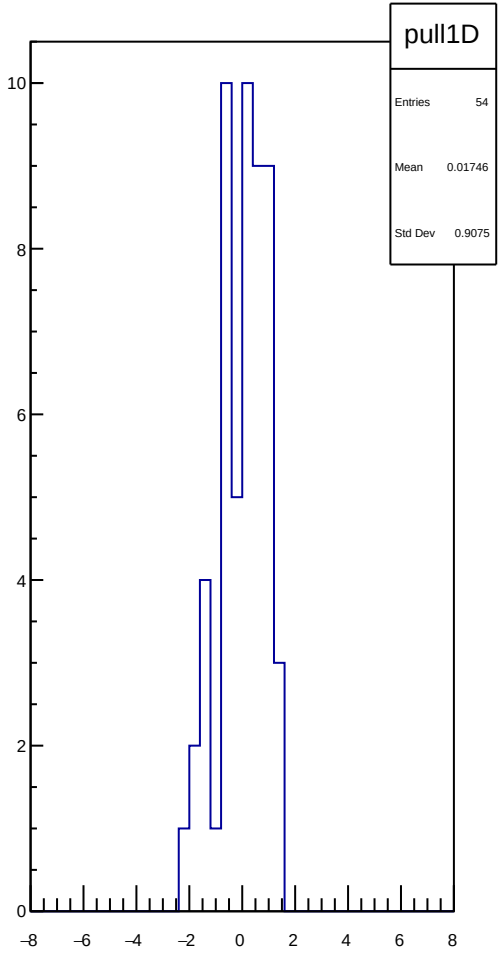
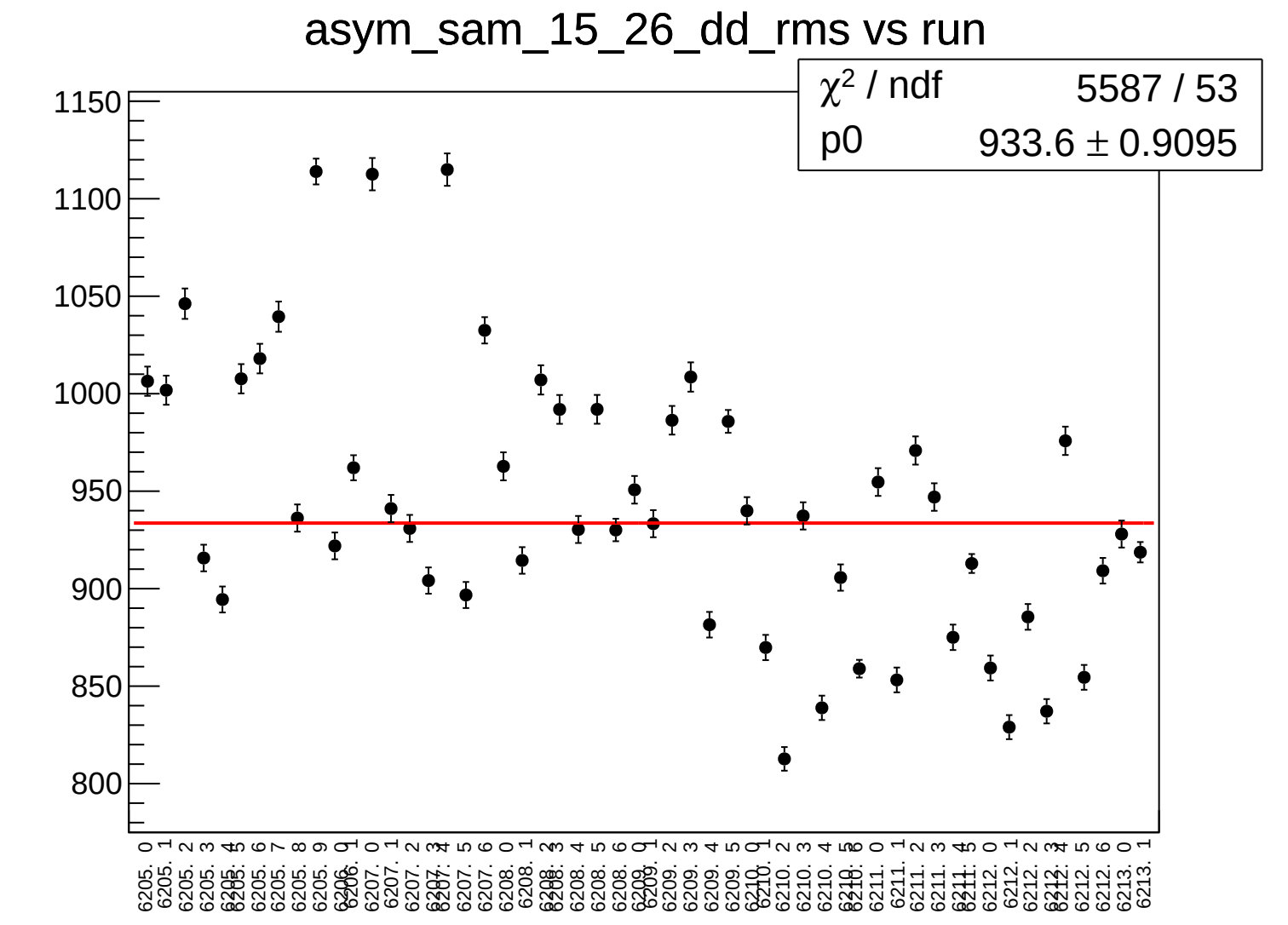
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_sam_15_26_dd_mean vs run
χ² / ndf 44.48 / 53
p0 −1020 ± 1286
pull
Entries 54
Mean 16.1
Std Dev 0


pull1D
Entries 54
Mean 0.01746
Std Dev 0.9075


asym_sam_15_26_dd_rms vs run
χ² / ndf 5587 / 53
p0 933.6 ± 0.9095
1150
1100
1050
1000
950
900
850
800
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
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6211. 1
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6211. 3
6211. 4
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6212. 2
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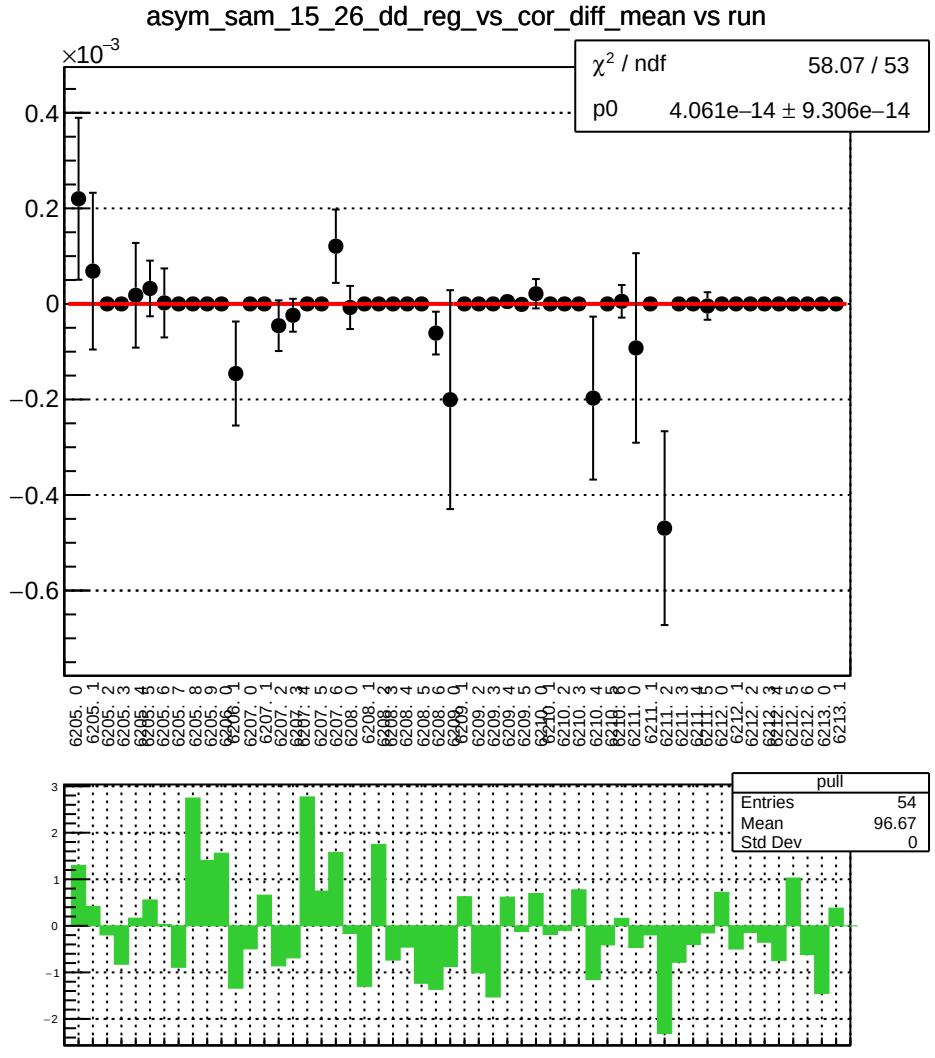
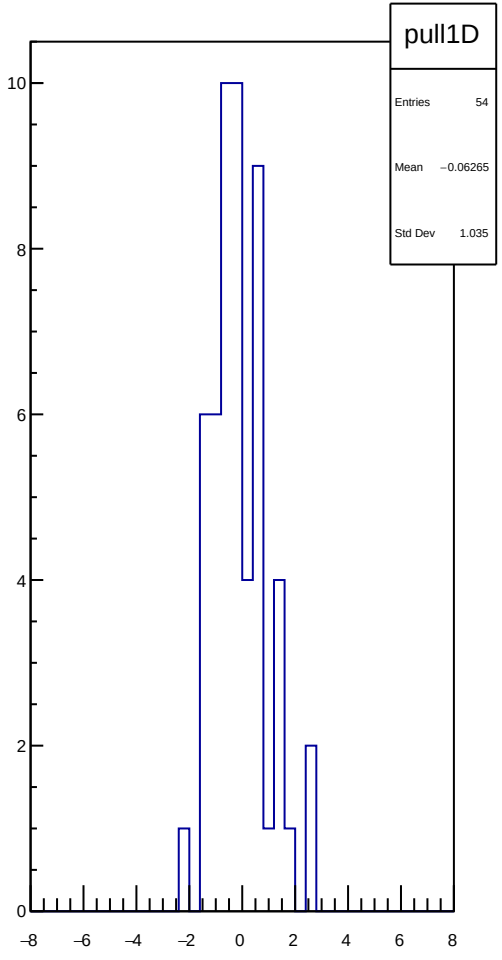
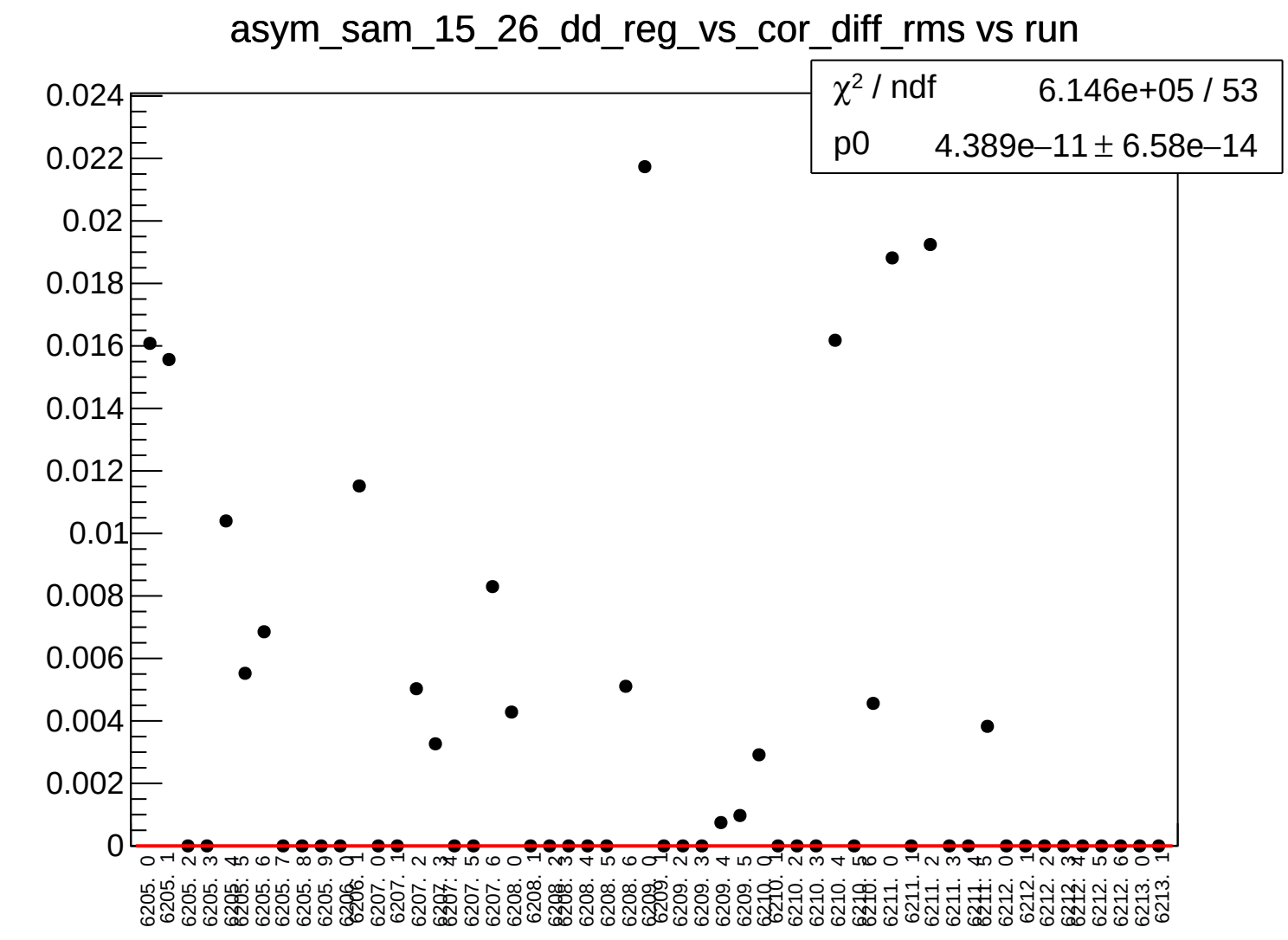
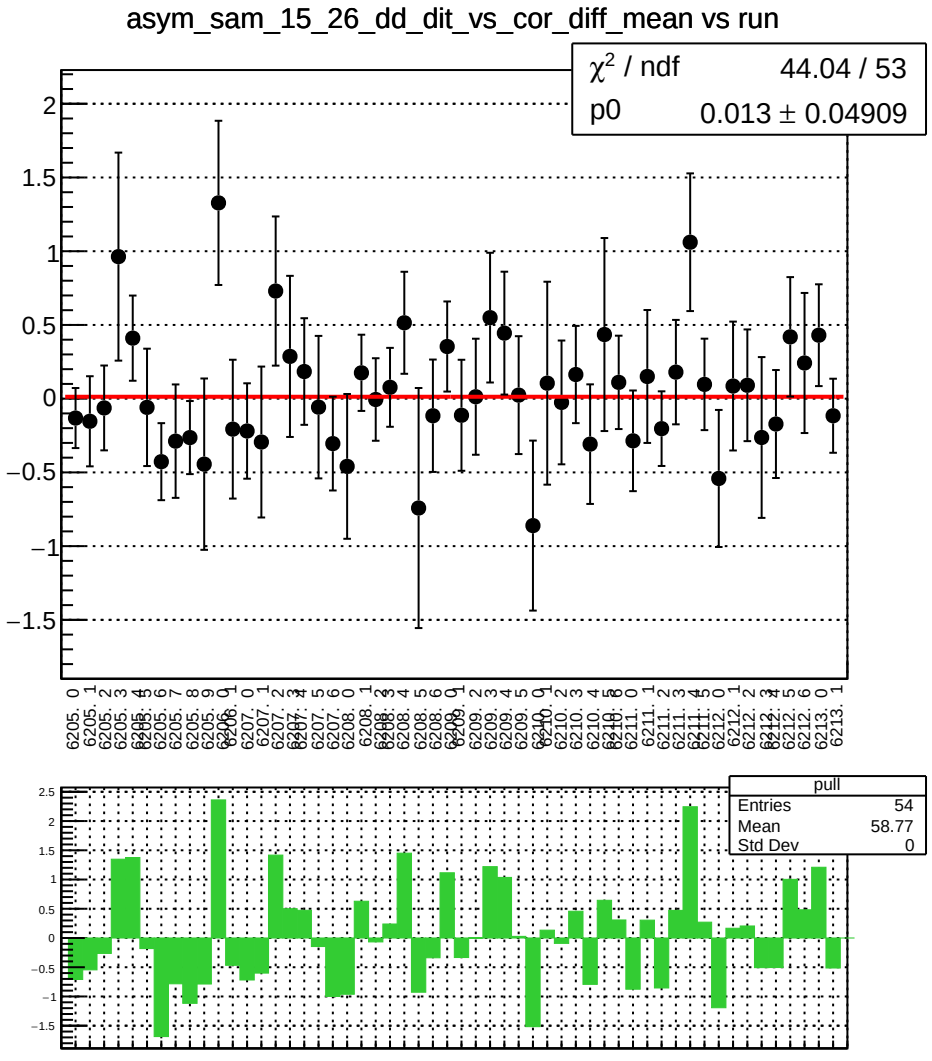
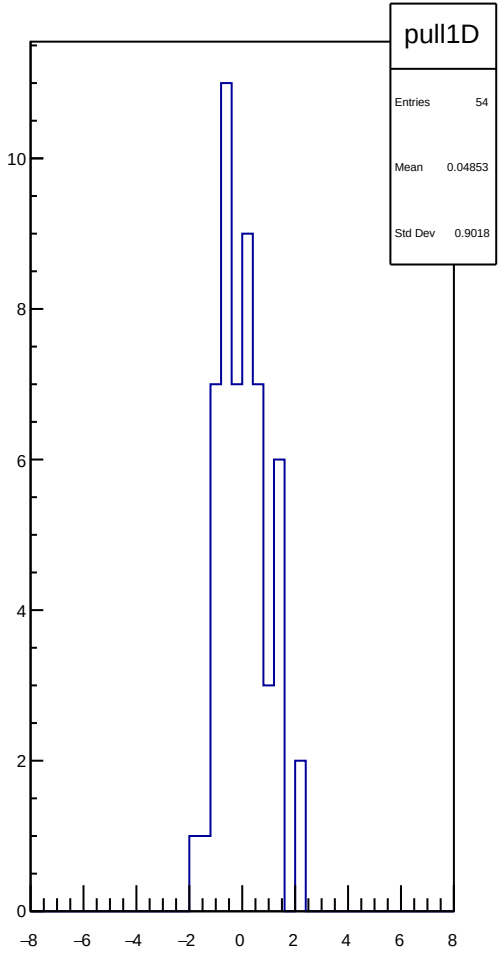
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

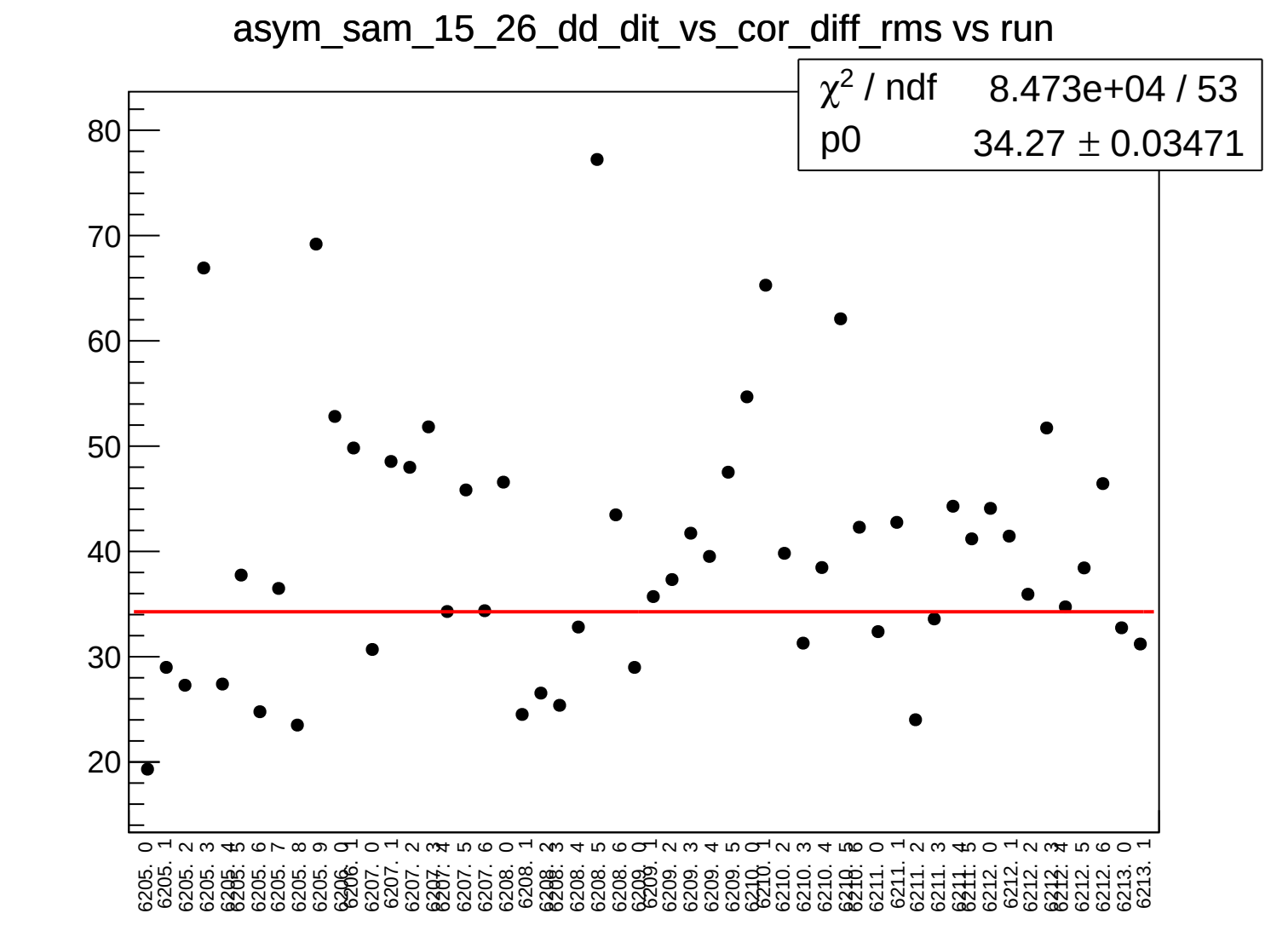

asym_sam_15_26_dd_reg_vs_cor_diff_mean vs run
×10^−3
χ² / ndf 58.07 / 53
p0 4.061e−14 ± 9.306e−14
pull
Entries 54
Mean 96.67
Std Dev 0

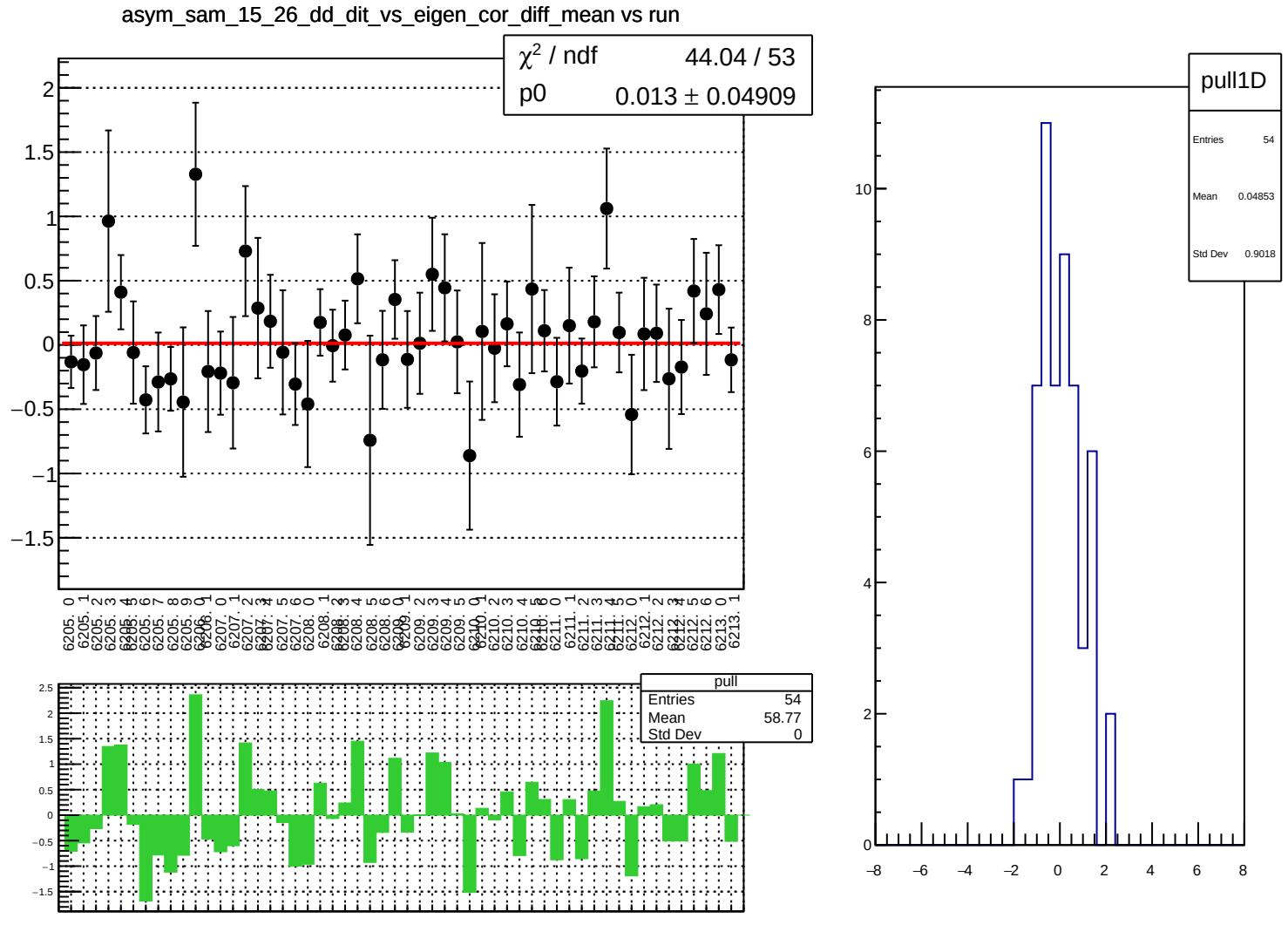

pull1D
Entries 54
Mean −0.06265
Std Dev 1.035

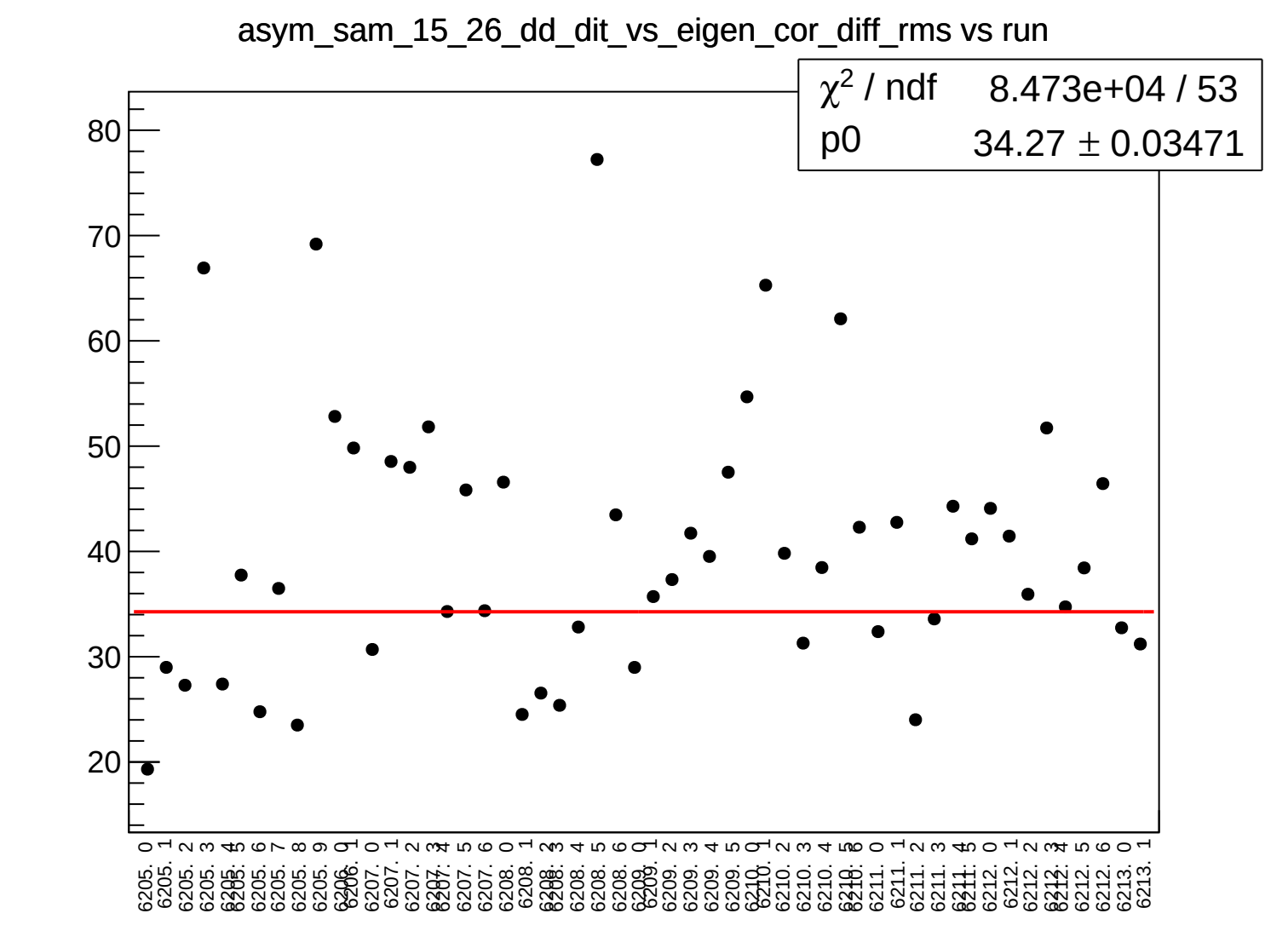

asym_sam_15_26_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.146e+05 / 53
p0 4.389e−11 ± 6.58e−14
0.024
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0

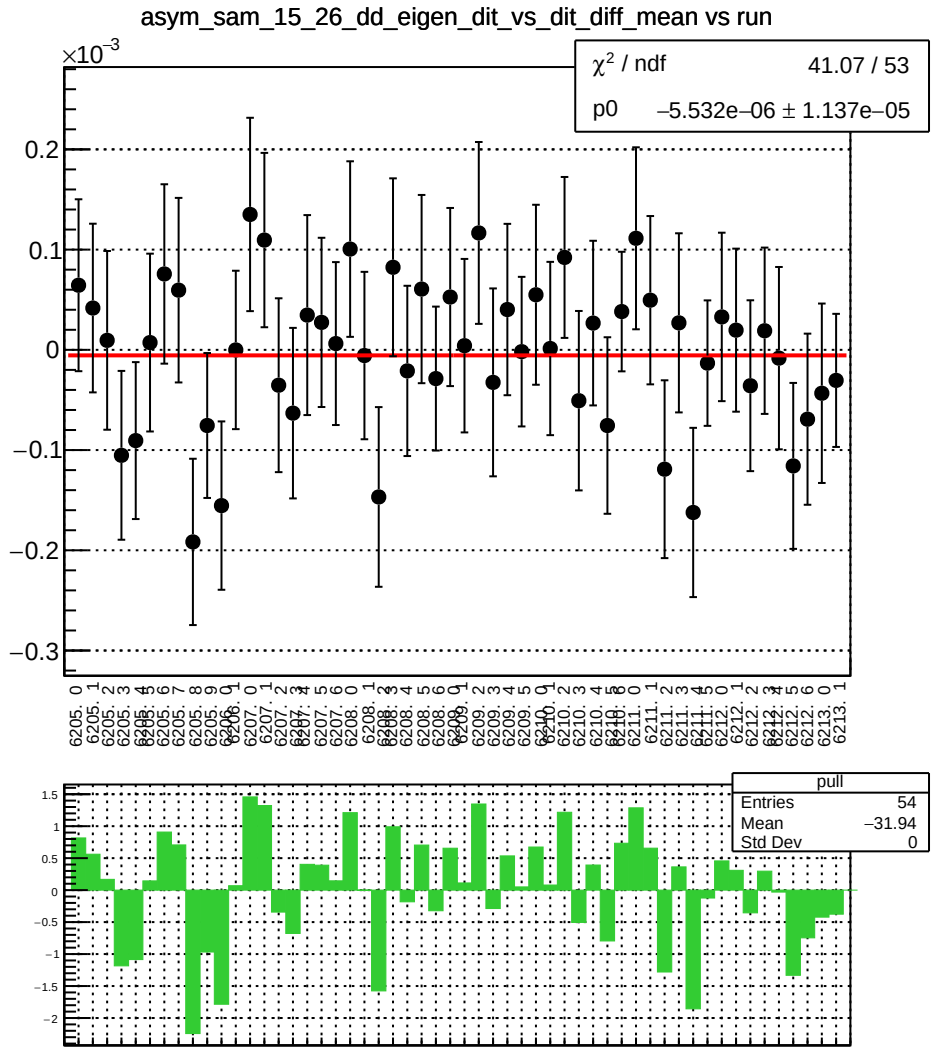

asym_sam_15_26_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 44.04 / 53
p0 0.013 ± 0.04909
pull
Entries 54
Mean 58.77
Std Dev 0

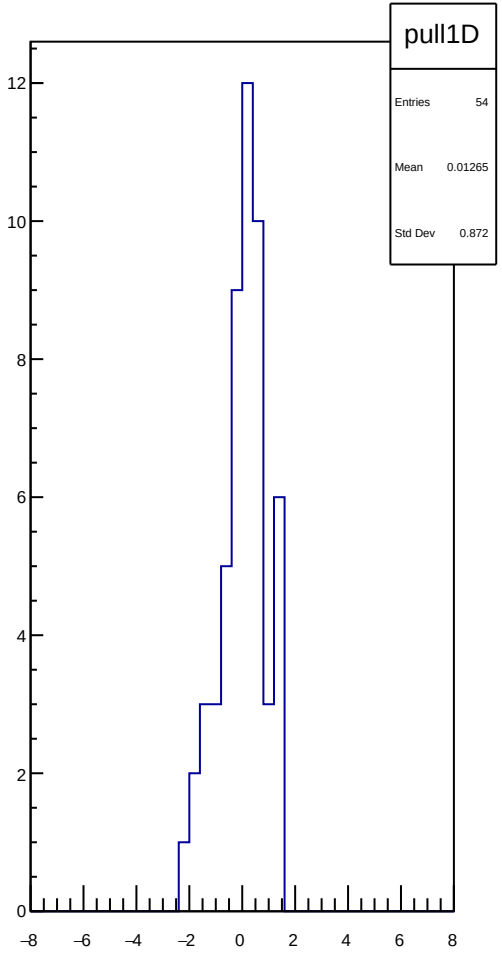

pull1D
Entries 54
Mean 0.04853
Std Dev 0.9018

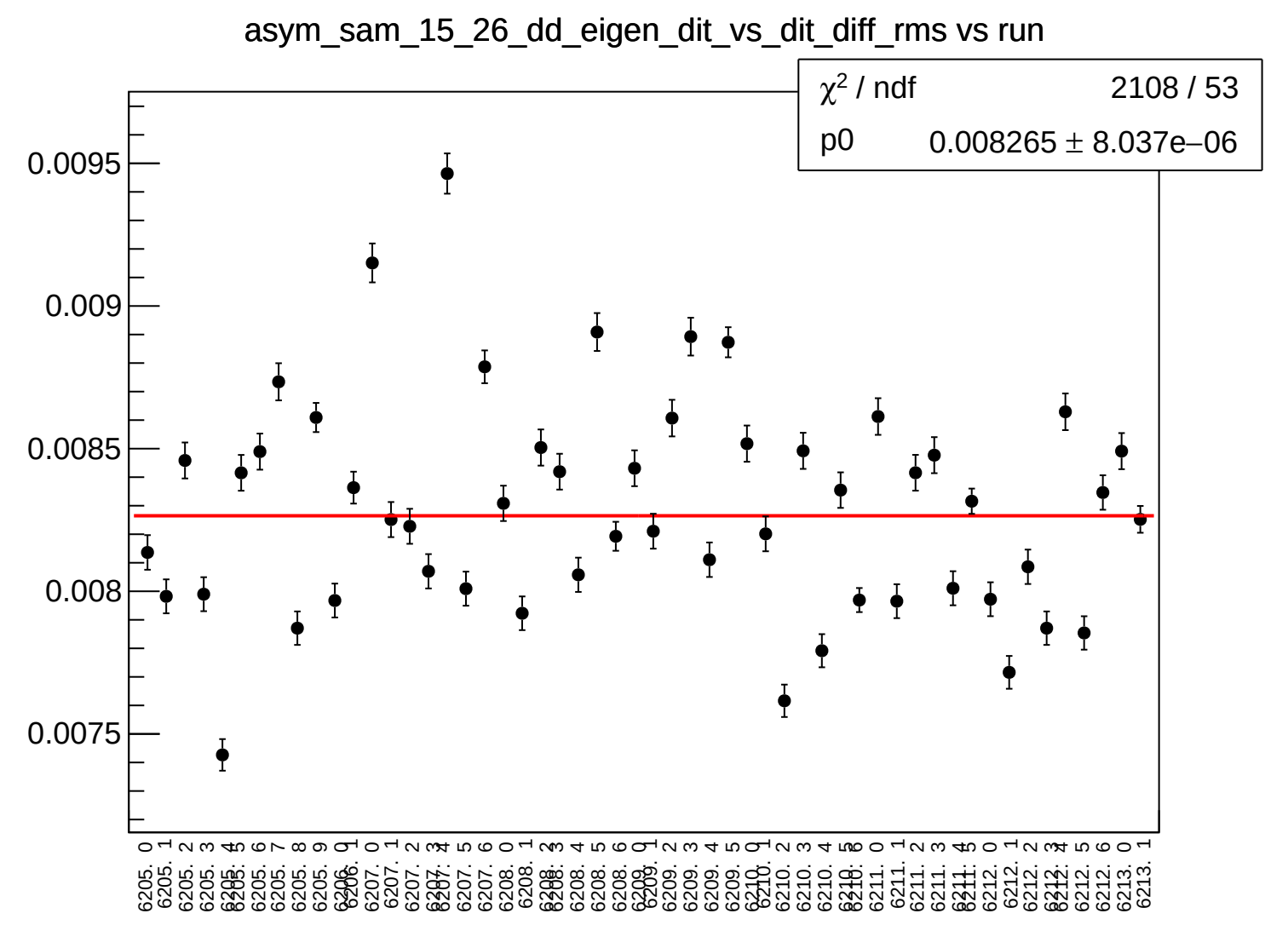

asym_sam_15_26_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 8.473e+04 / 53
p0 34.27 ± 0.03471
80
70
60
50
40
30
20
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_sam_15_26_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 44.04 / 53
p0 0.013 ± 0.04909
pull
Entries 54
Mean 58.77
Std Dev 0
pull1D
Entries 54
Mean 0.04853
Std Dev 0.9018


asym_sam_15_26_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.473e+04 / 53
p0 34.27 ± 0.03471
80
70
60
50
40
30
20
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_sam_15_26_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 41.07 / 53
p0 −5.532e−06 ± 1.137e−05
pull
Entries 54
Mean −31.94
Std Dev 0


pull1D
Entries 54
Mean 0.01265
Std Dev 0.872


asym_sam_15_26_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2108 / 53
p0 0.008265 ± 8.037e−06
0.0095
0.009
0.0085
0.008
0.0075
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
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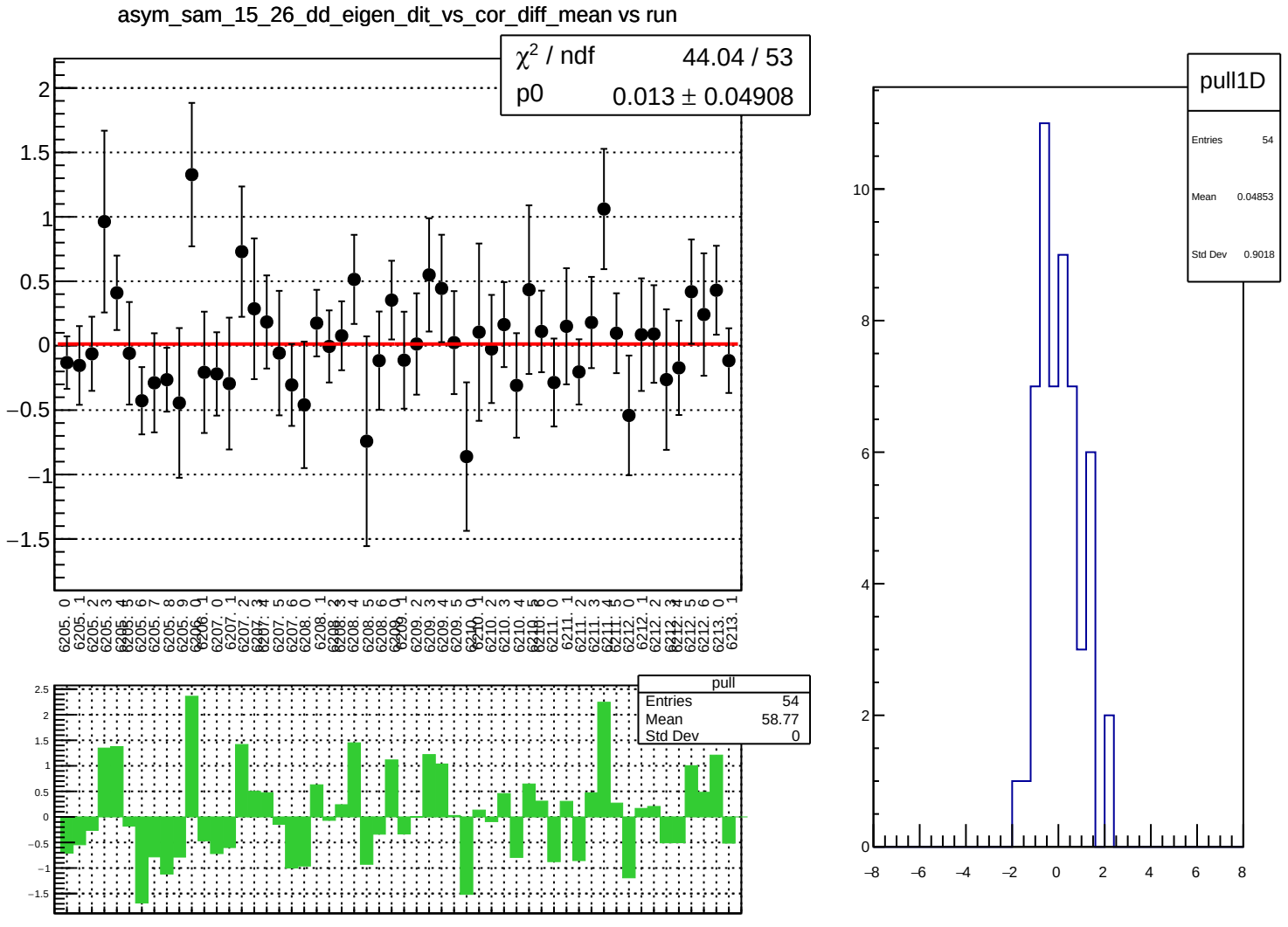
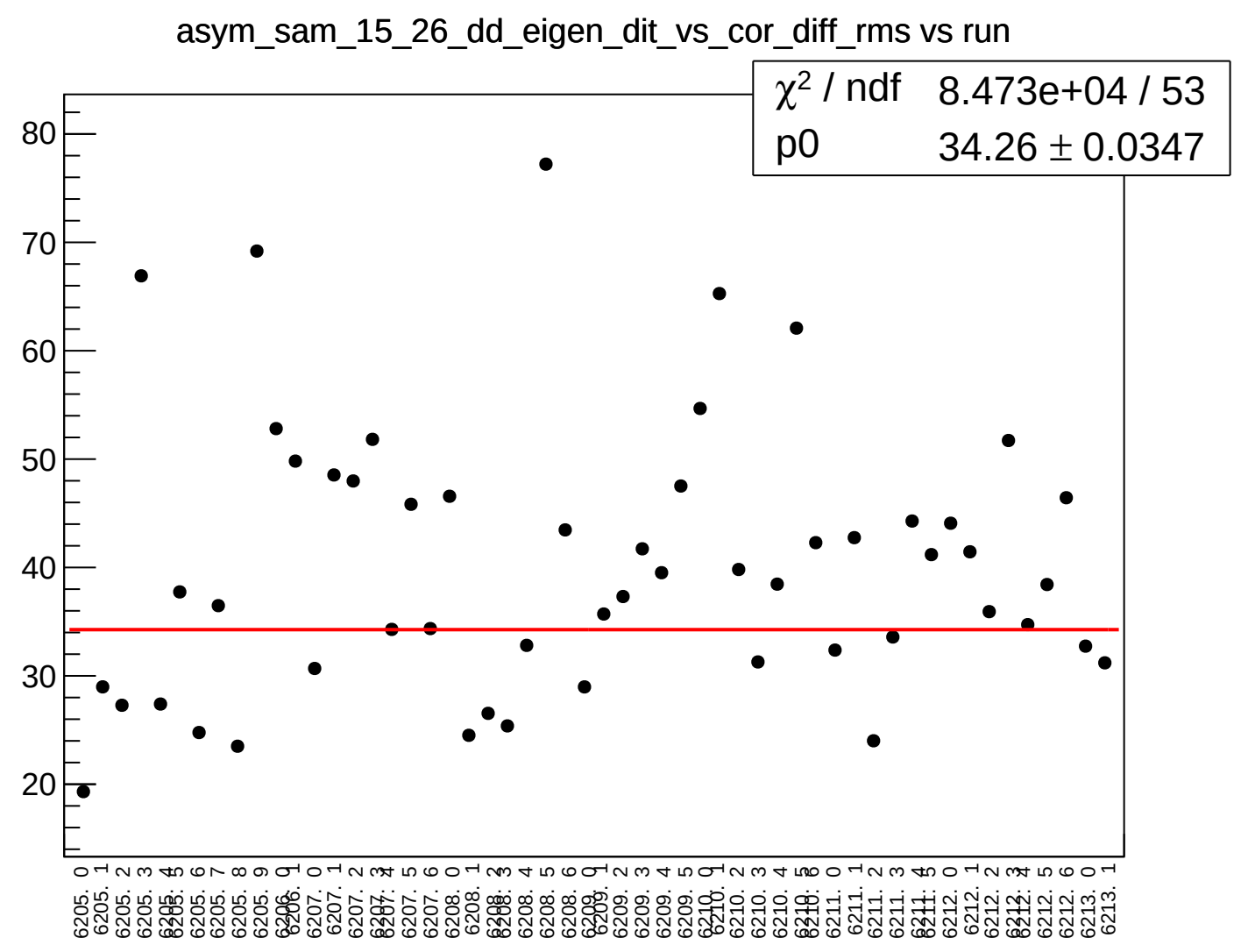
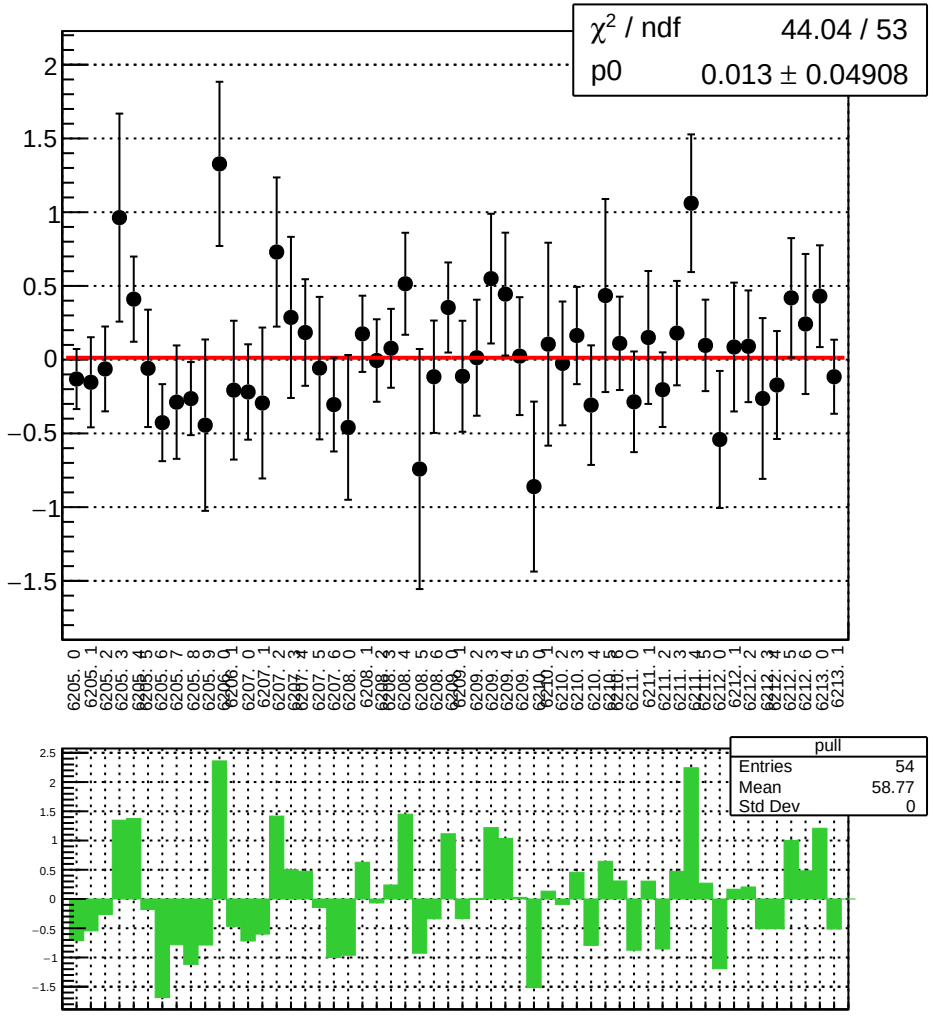
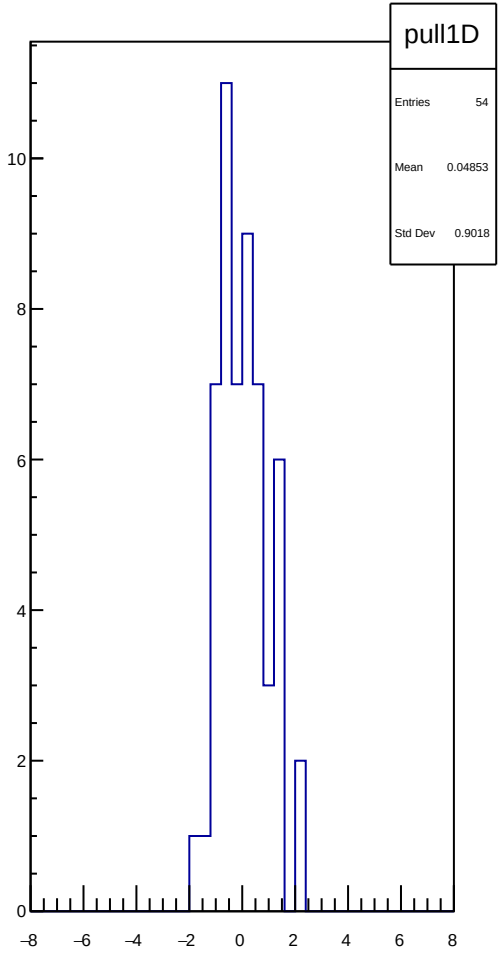
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

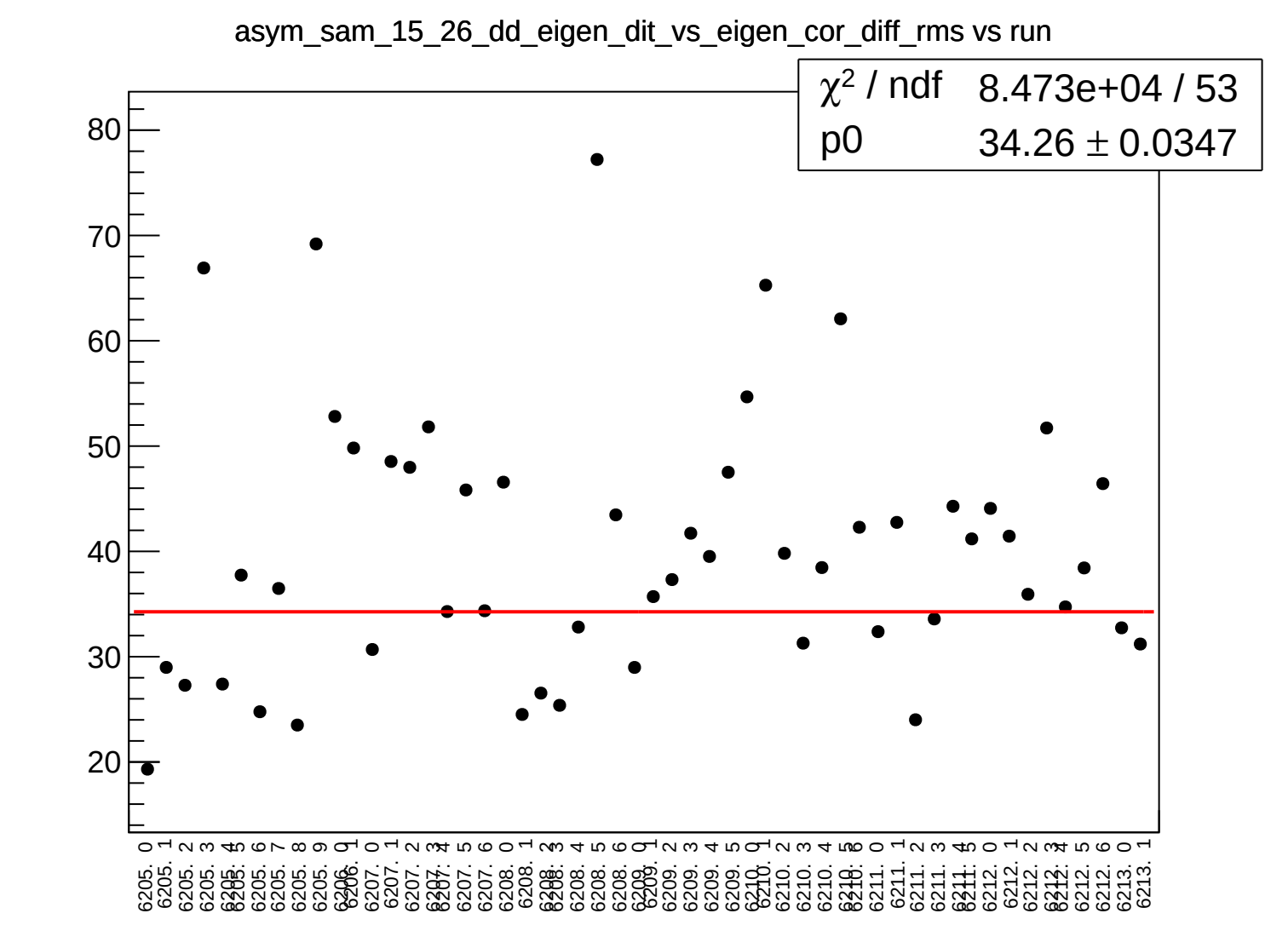

asym_sam_15_26_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 44.04 / 53
p0 0.013 ± 0.04908
pull
Entries 54
Mean 58.77
Std Dev 0
pull1D
Entries 54
Mean 0.04853
Std Dev 0.9018

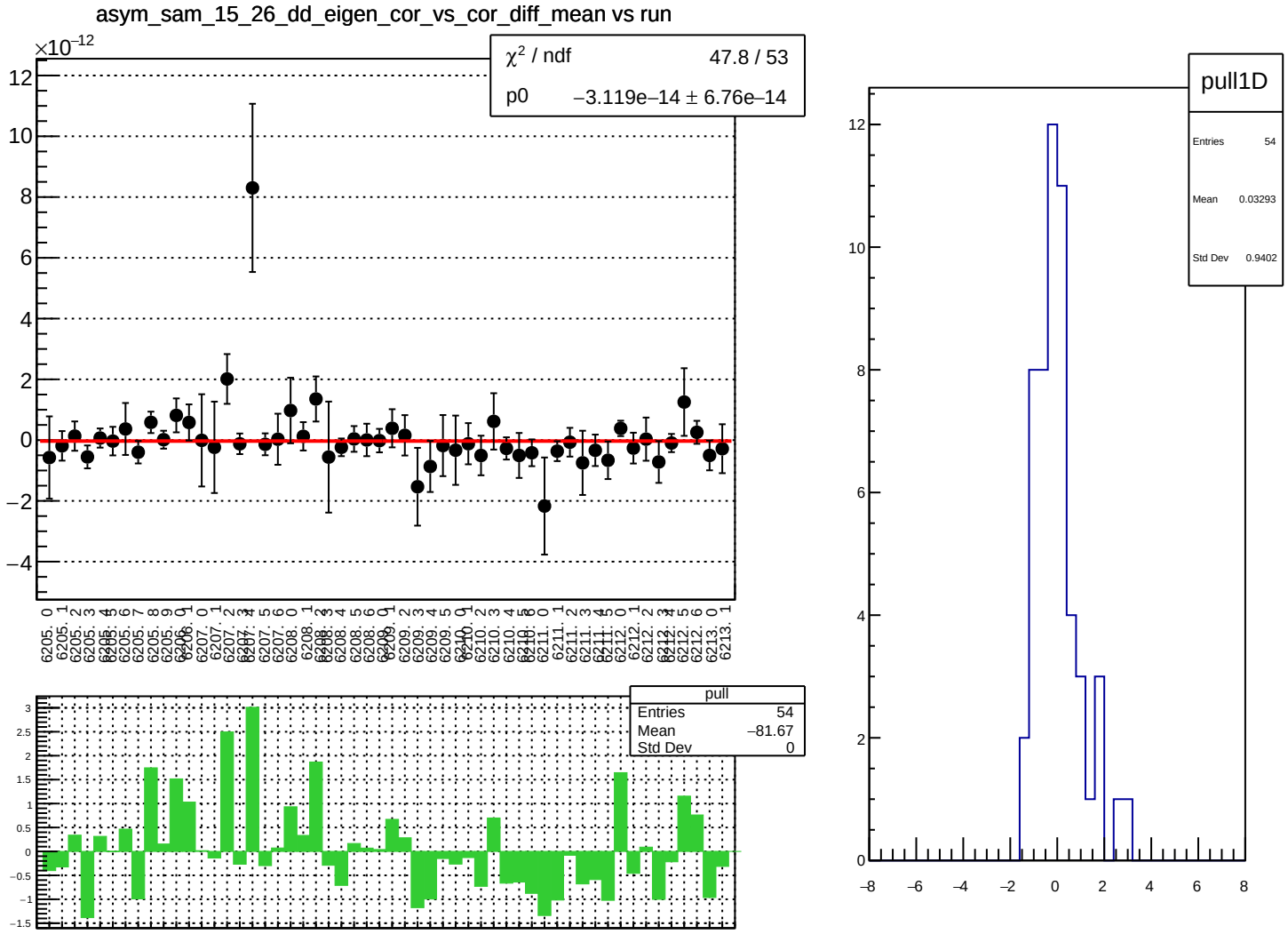

asym_sam_15_26_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 8.473e+04 / 53
p0 34.26 ± 0.0347
80
70
60
50
40
30
20
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

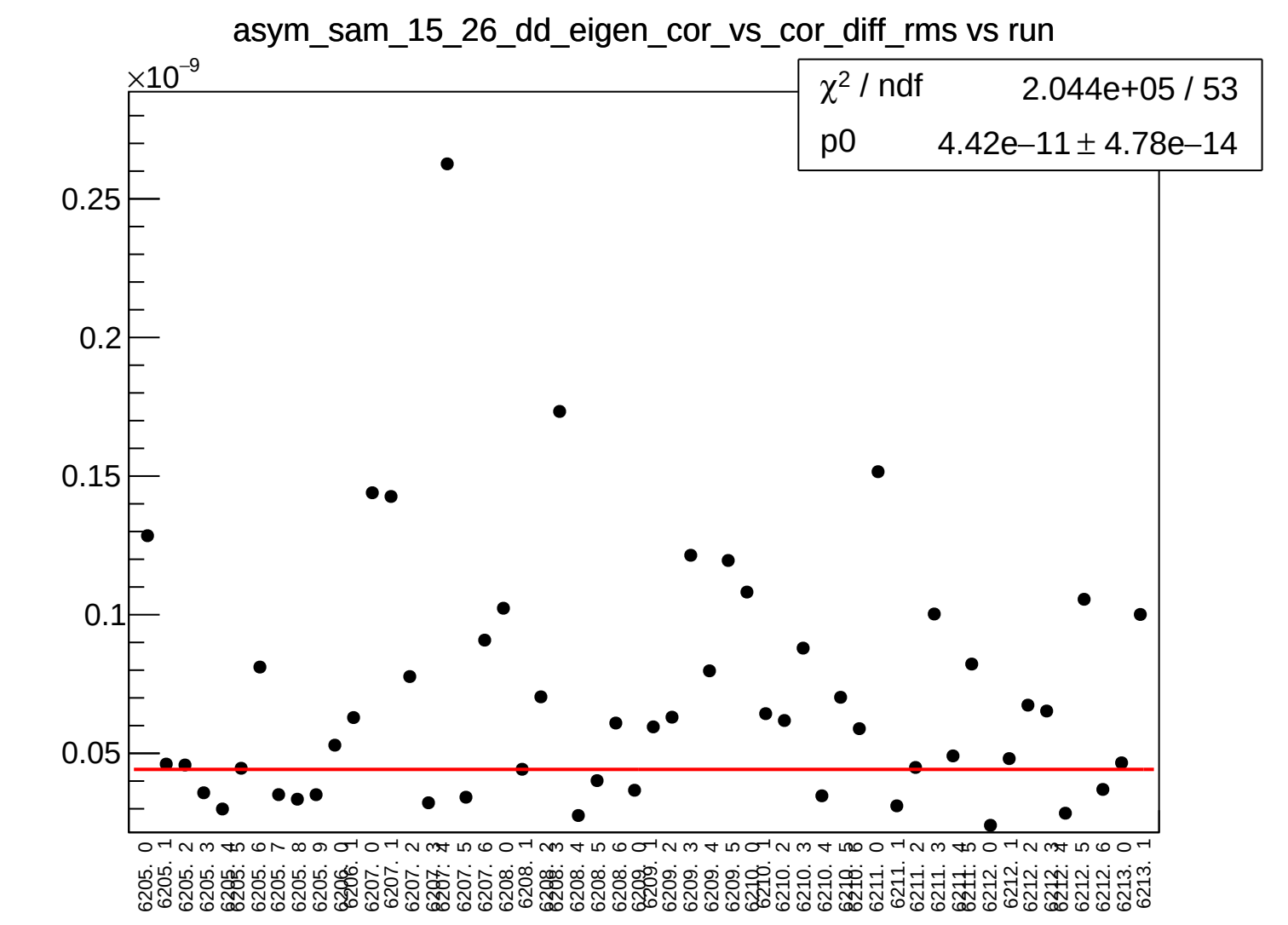
asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs run

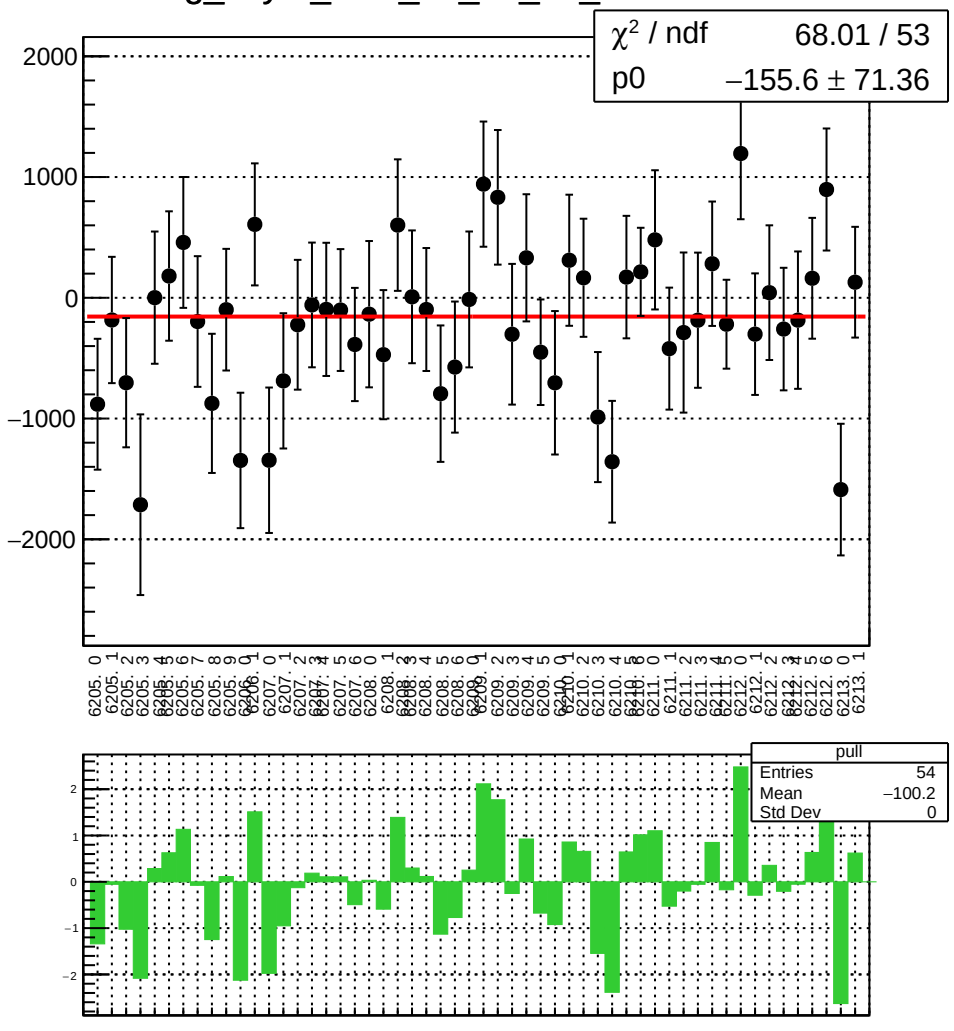


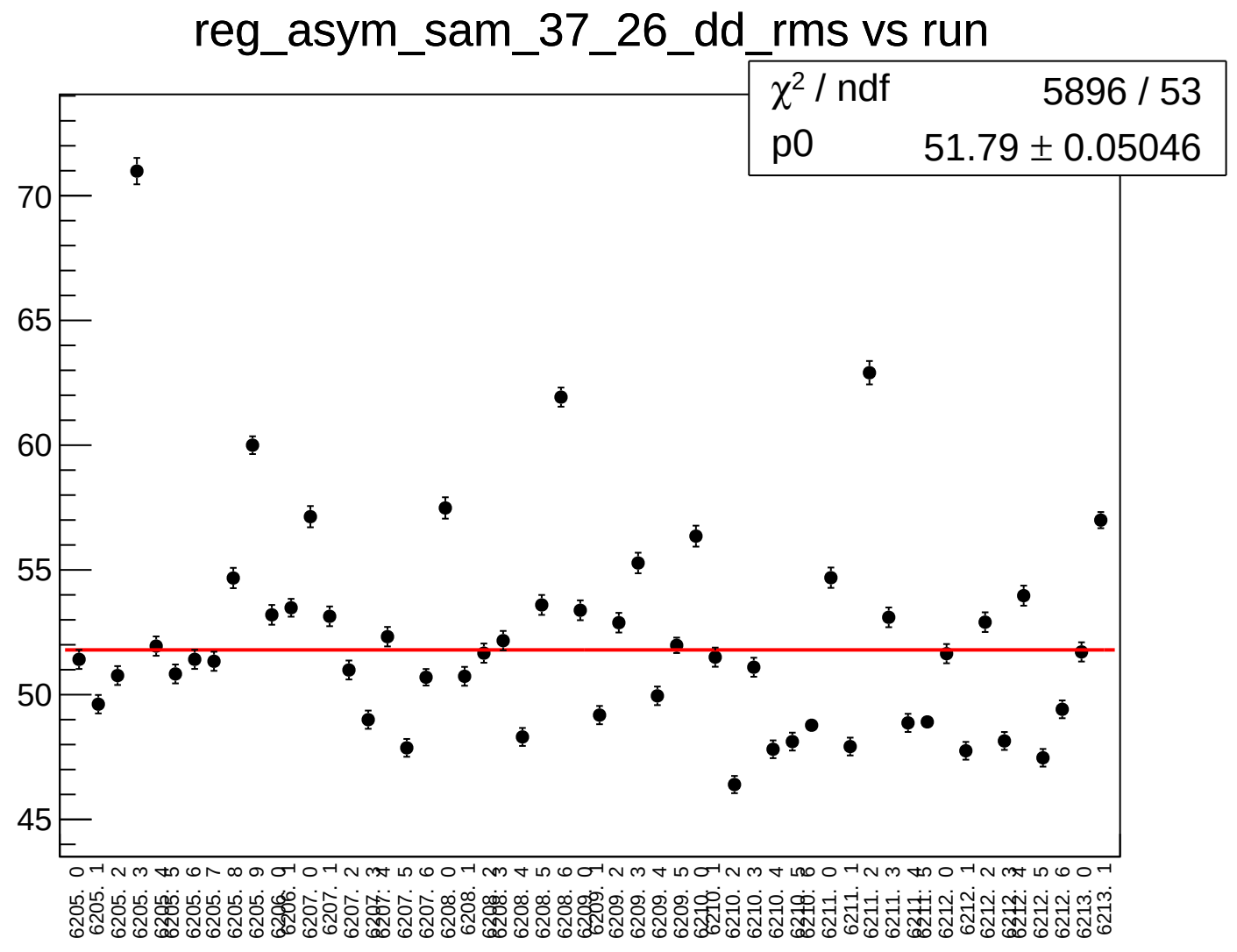


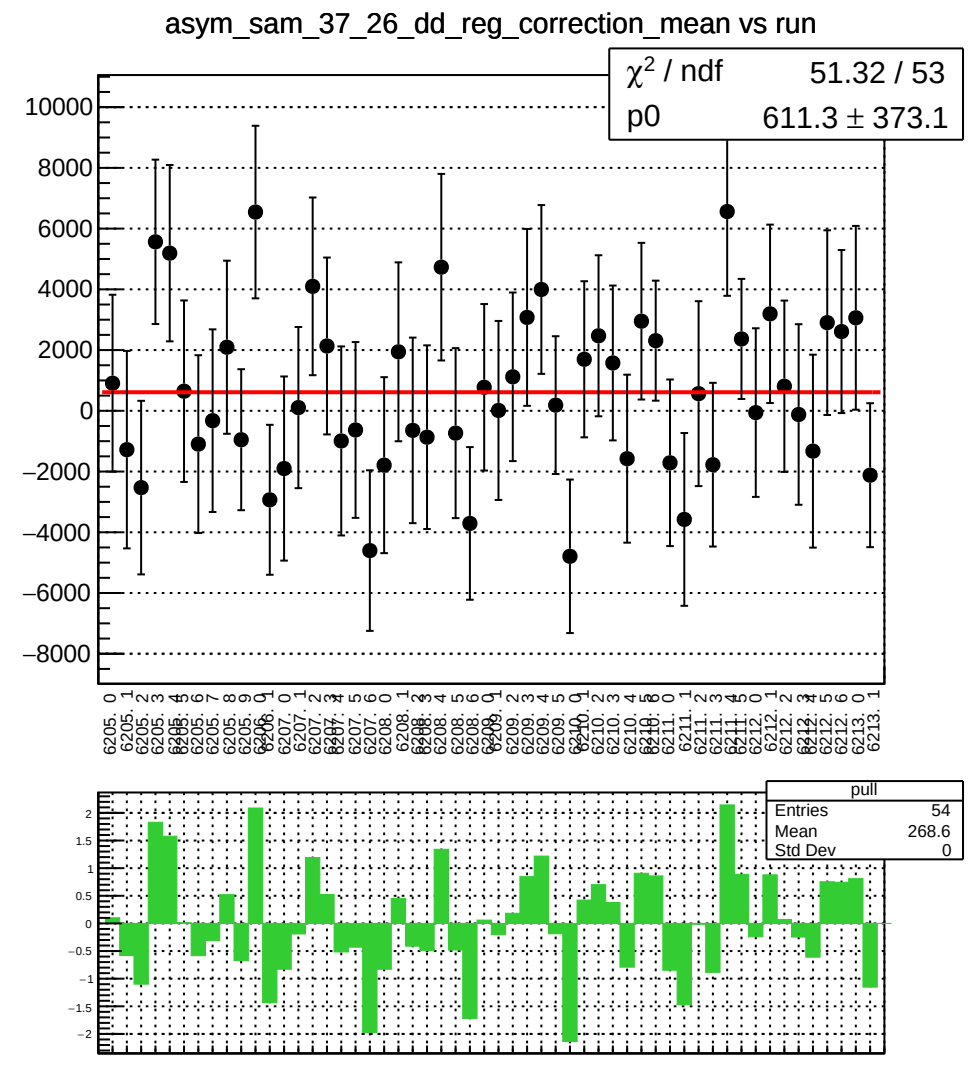

asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.473e+04 / 53
p0 34.26 ± 0.0347
80
70
60
50
40
30
20
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

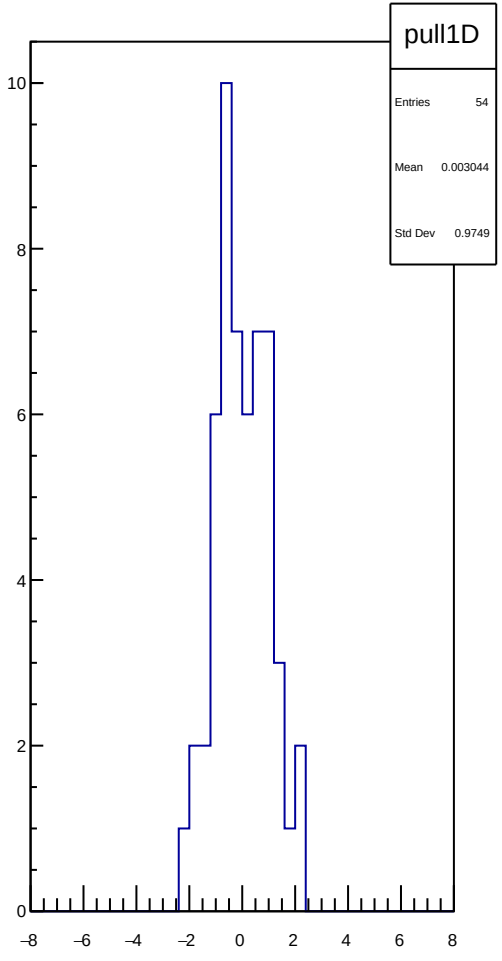

asym_sam_15_26_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 47.8 / 53
p0 −3.119e−14 ± 6.76e−14
pull
Entries 54
Mean −81.67
Std Dev 0
pull1D
Entries 54
Mean 0.03293
Std Dev 0.9402

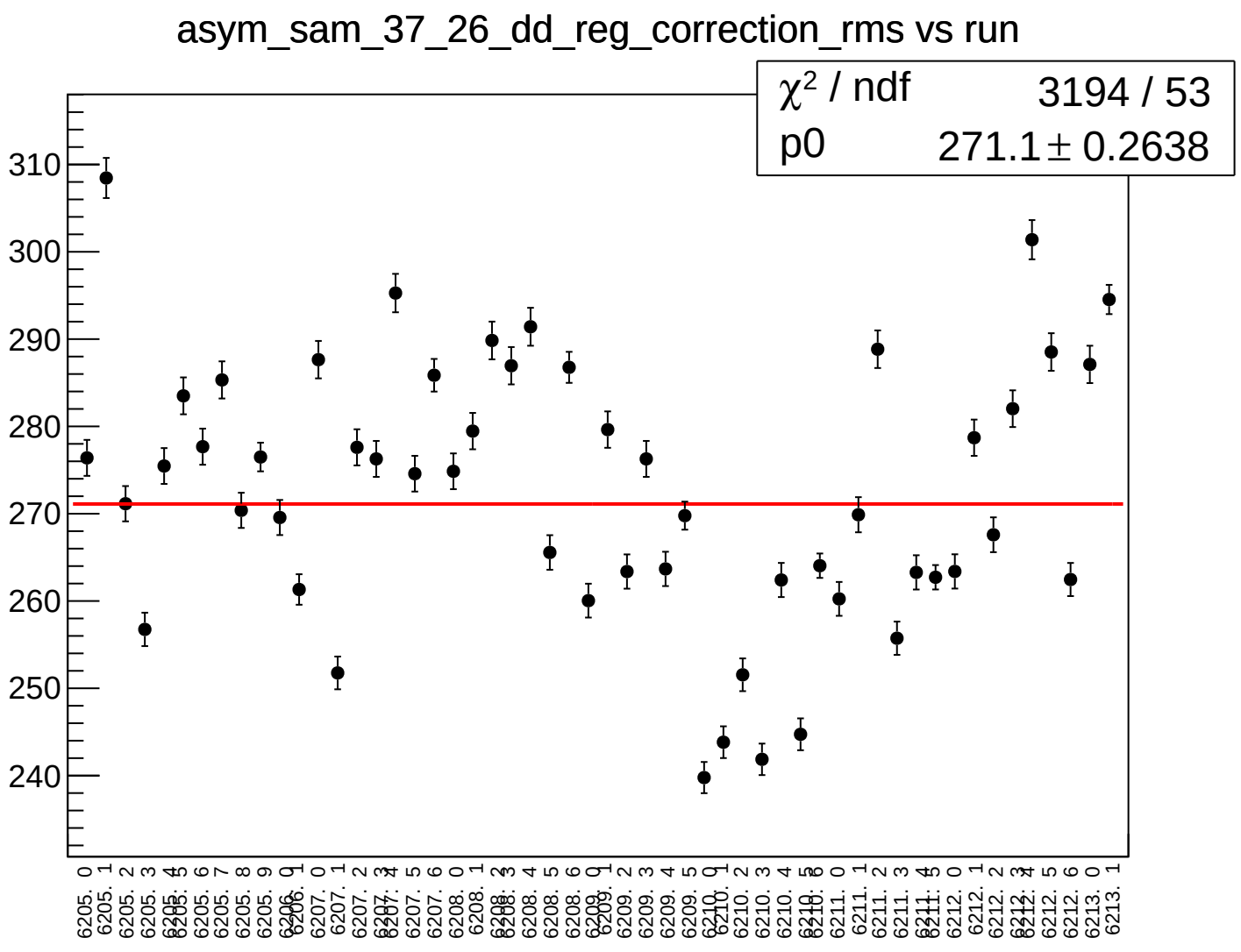

asym_sam_15_26_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.044e+05 / 53
p0 4.42e−11 ± 4.78e−14
0.25
0.2
0.15
0.1
0.05
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


reg_asym_sam_37_26_dd_mean vs run
χ² / ndf 68.01 / 53
p0 −155.6 ± 71.36
2000
1000
0
−1000
−2000
pull
Entries 54
Mean −100.2
Std Dev 0
pull1D
Entries 54
Mean −0.02992
Std Dev 1.122


reg_asym_sam_37_26_dd_rms vs run
χ² / ndf 5896 / 53
p0 51.79 ± 0.05046
70
65
60
55
50
45
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1


asym_sam_37_26_dd_reg_correction_mean vs run
χ² / ndf 51.32 / 53
p0 611.3 ± 373.1
pull
Entries 54
Mean 268.6
Std Dev 0


pull1D
Entries 54
Mean 0.003044
Std Dev 0.9749


asym_sam_37_26_dd_reg_correction_rms vs run
χ² / ndf 3194 / 53
p0 271.1 ± 0.2638
310
300
290
280
270
260
250
240
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
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6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
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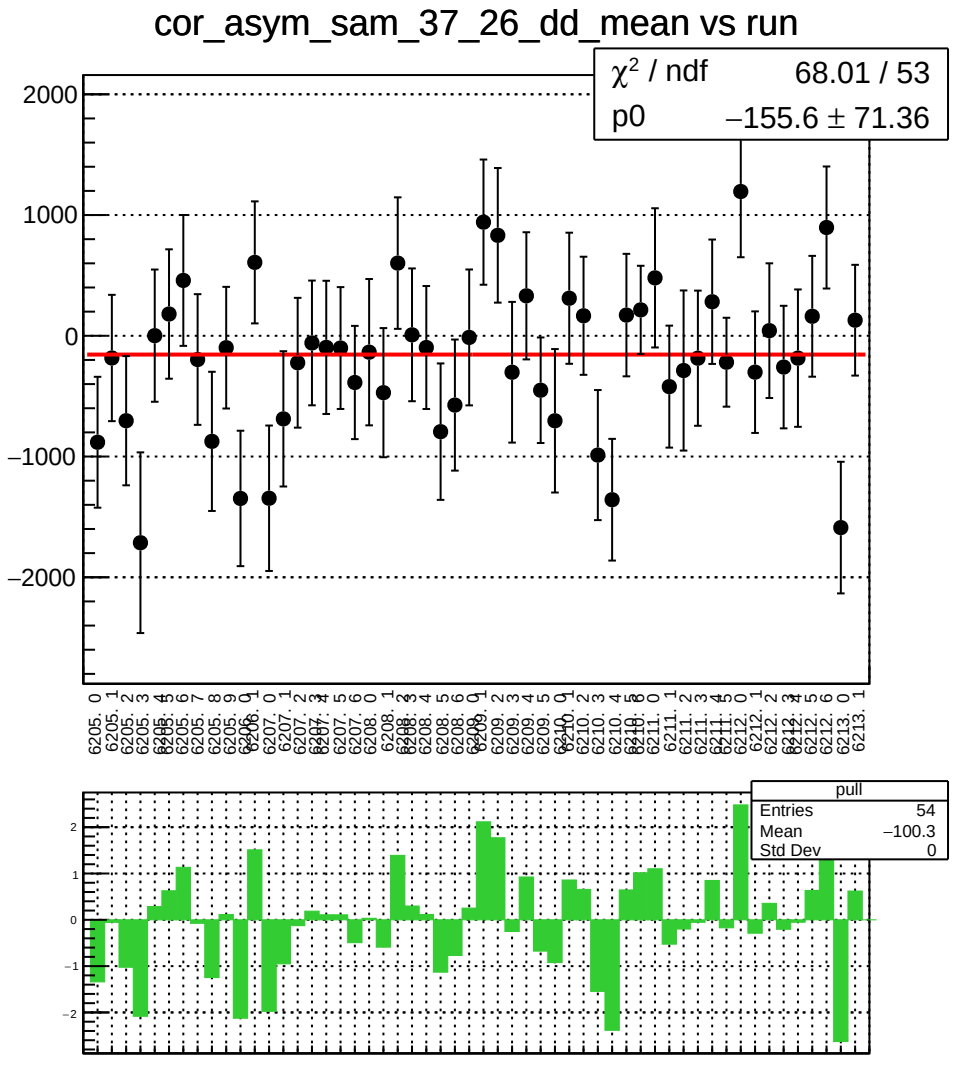
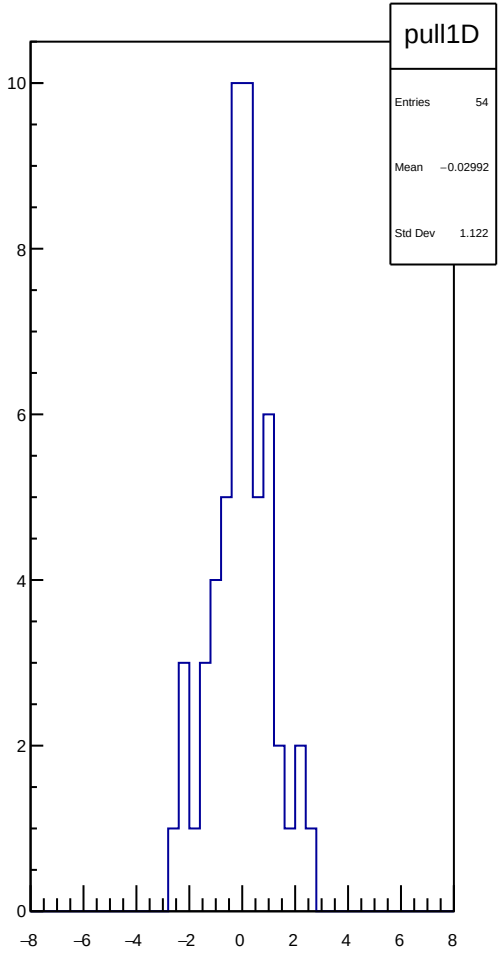
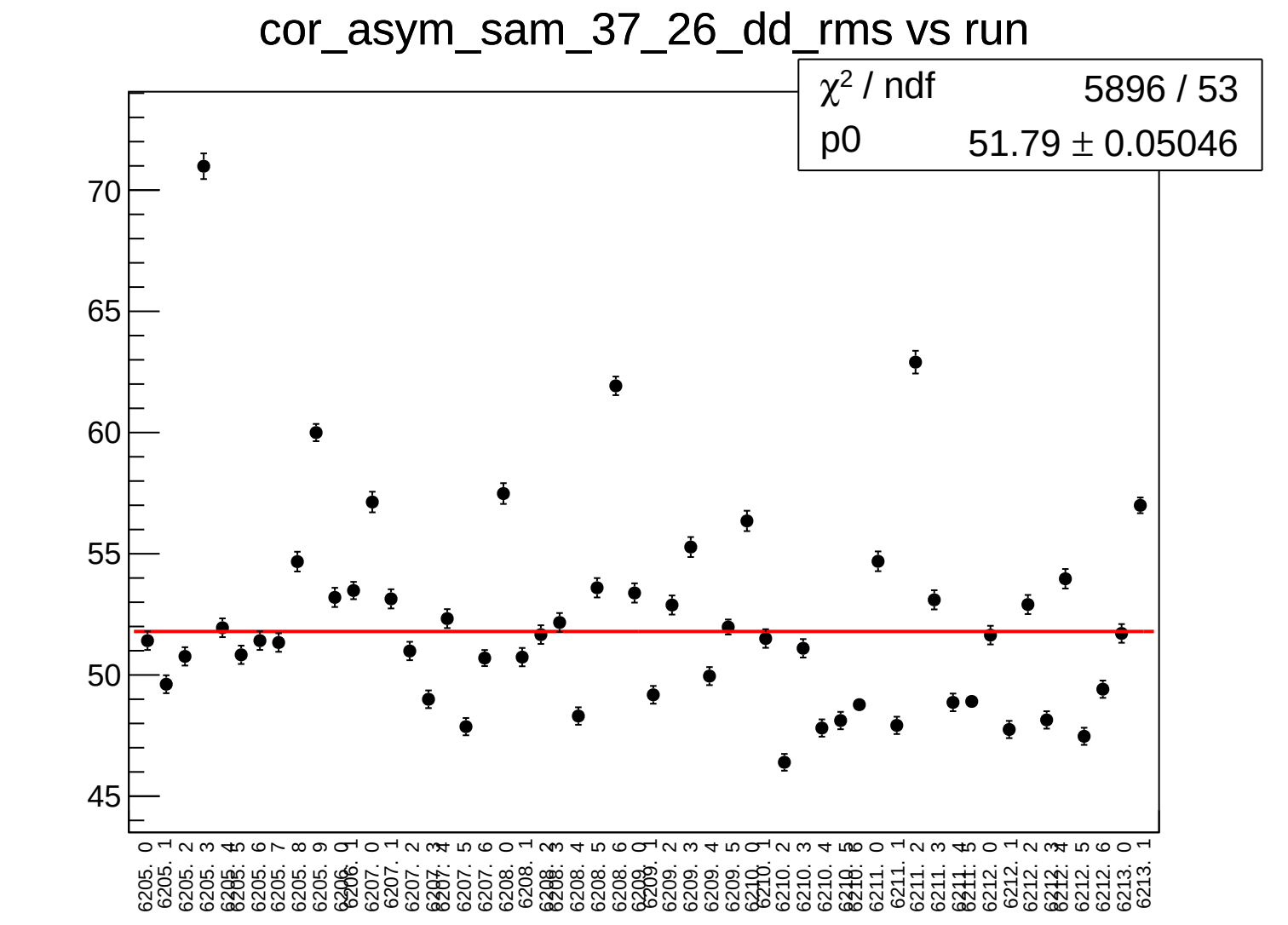
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


cor_asym_sam_37_26_dd_mean vs run
χ² / ndf 68.01 / 53
p0 −155.6 ± 71.36
2000
1000
0
−1000
−2000
pull
Entries 54
Mean −100.3
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 54
Mean −0.02992
Std Dev 1.122
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_sam_37_26_dd_rms vs run
χ² / ndf 5896 / 53
p0 51.79 ± 0.05046
70
65
60
55
50
45
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
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6208. 4
6208. 5
6208. 6
6209. 0
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6209. 2
6209. 3
6209. 4
6209. 5
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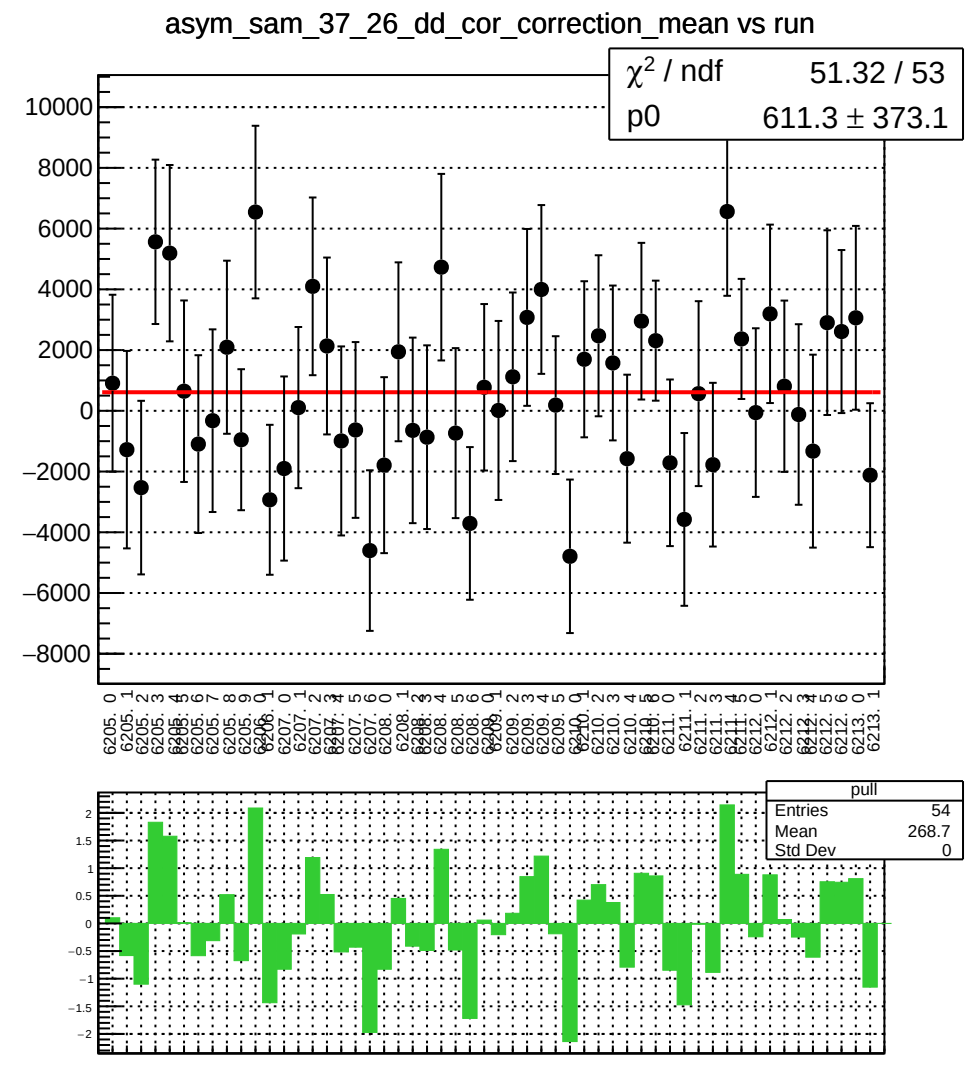
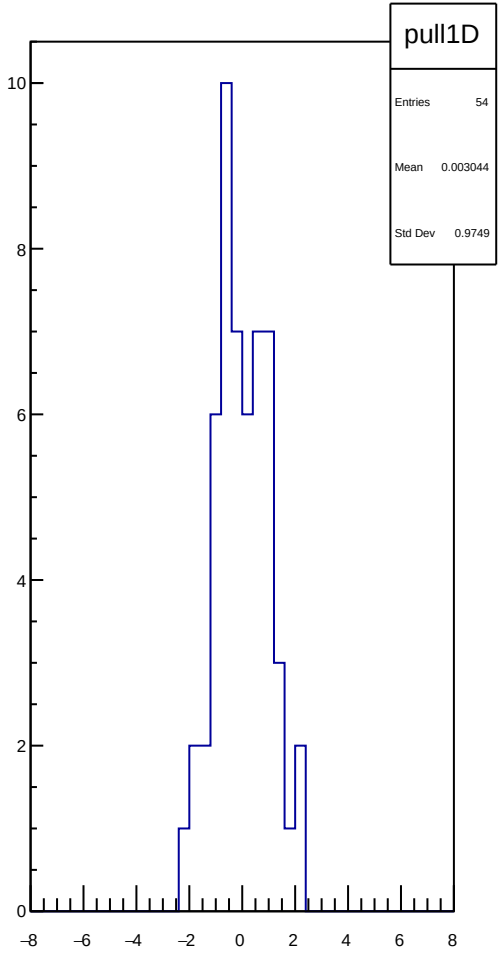
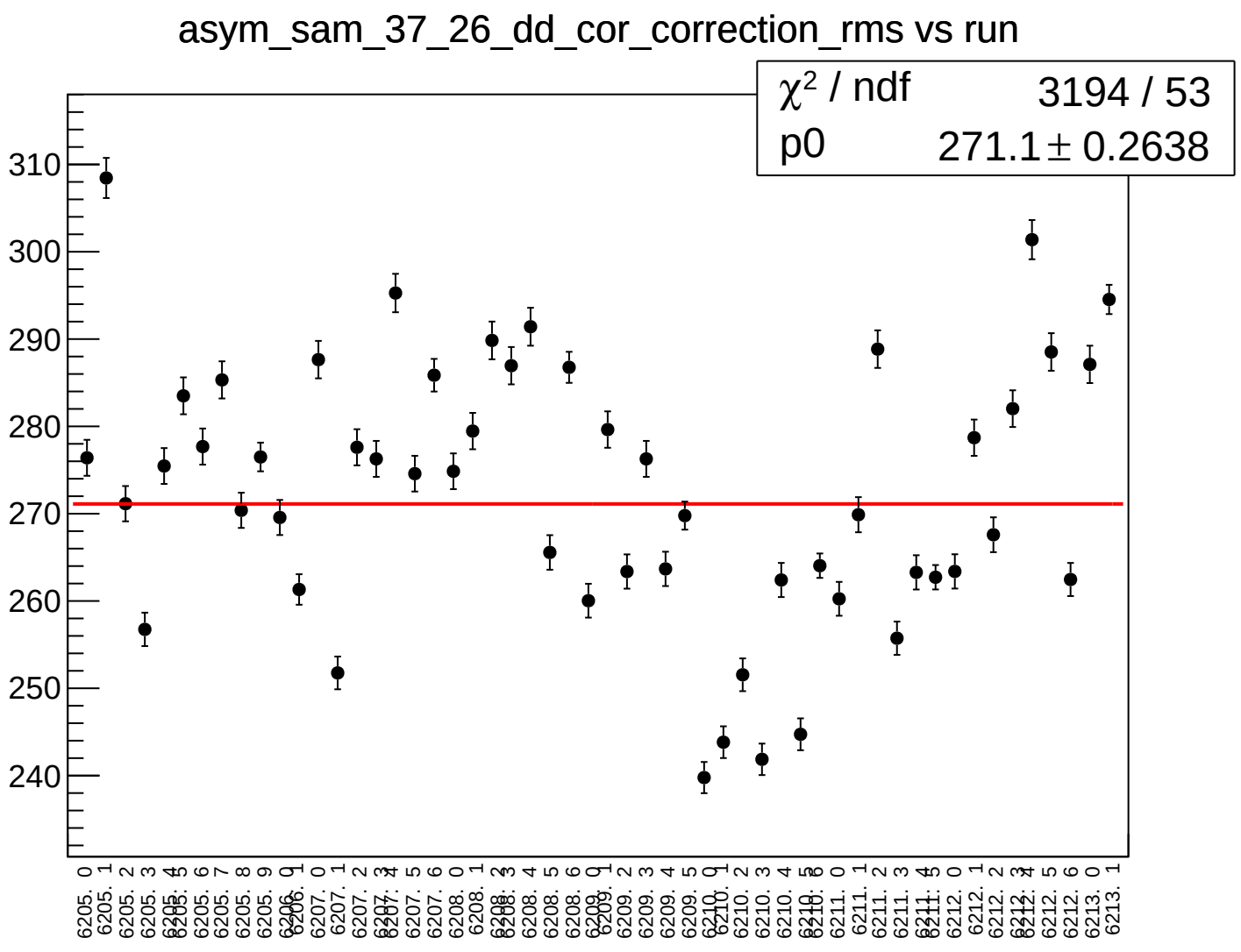
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_sam_37_26_dd_cor_correction_mean vs run
χ² / ndf 51.32 / 53
p0 611.3 ± 373.1
pull
Entries 54
Mean 268.7
Std Dev 0


pull1D
Entries 54
Mean 0.003044
Std Dev 0.9749


asym_sam_37_26_dd_cor_correction_rms vs run
χ² / ndf 3194 / 53
p0 271.1 ± 0.2638
310
300
290
280
270
260
250
240
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
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6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
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6211. 2
6211. 3
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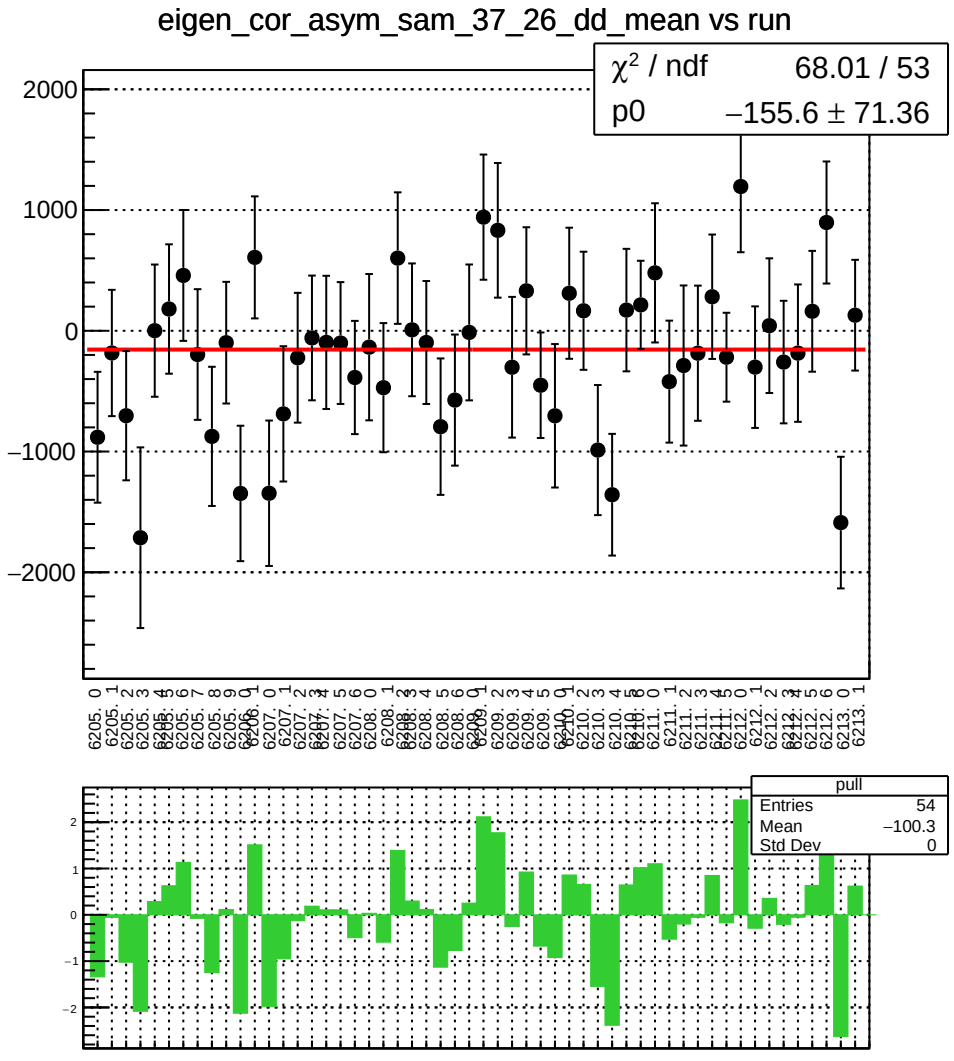
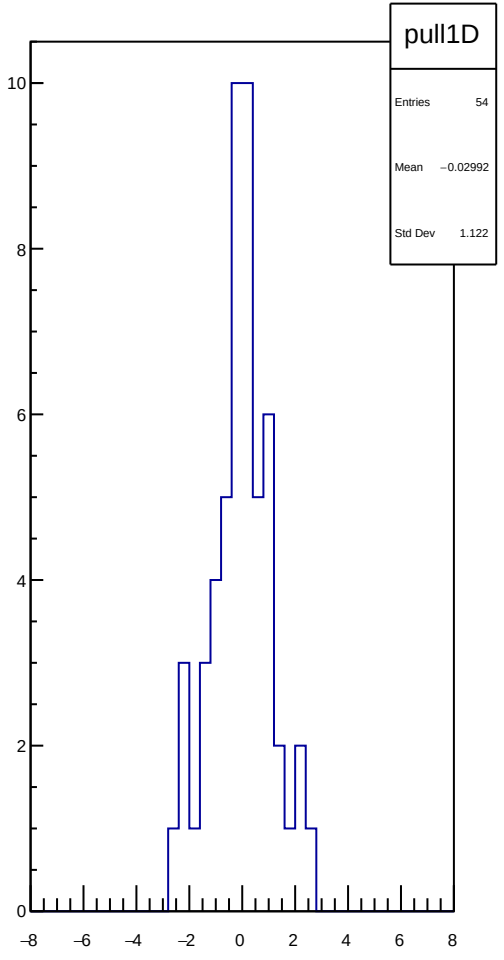
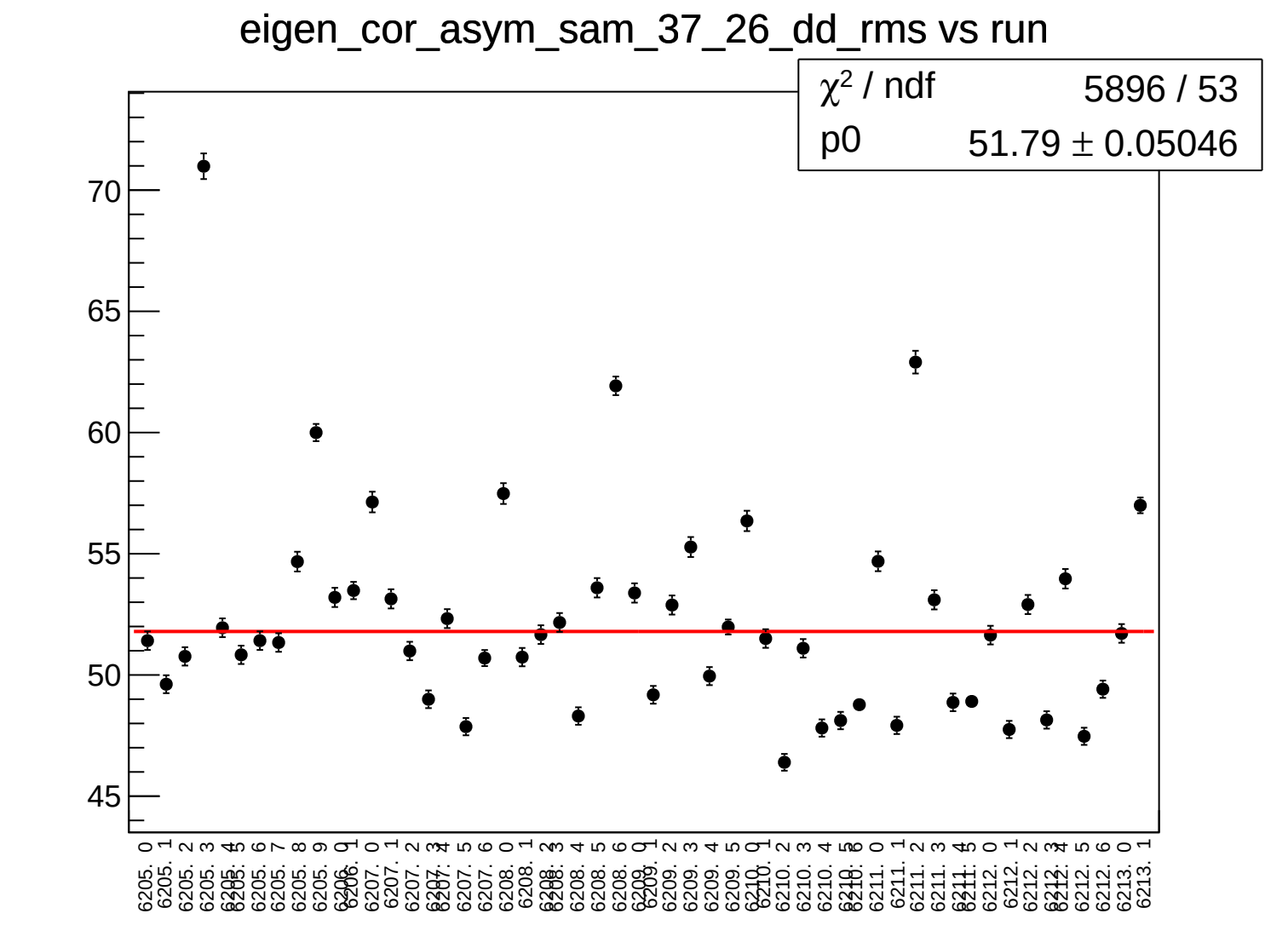
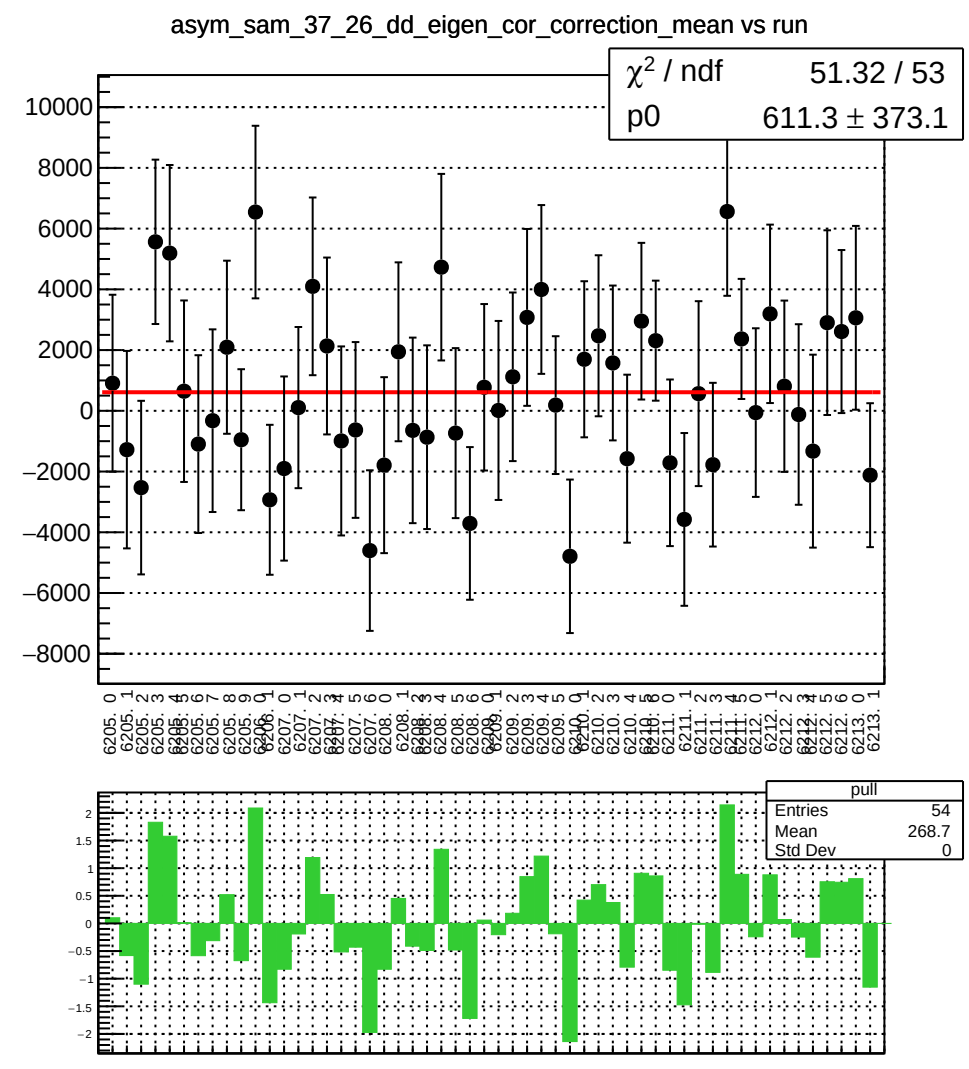
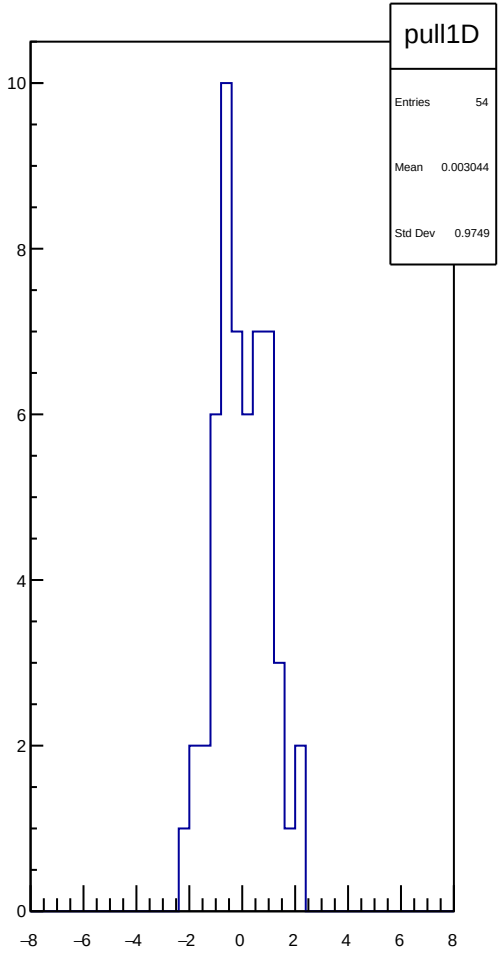
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

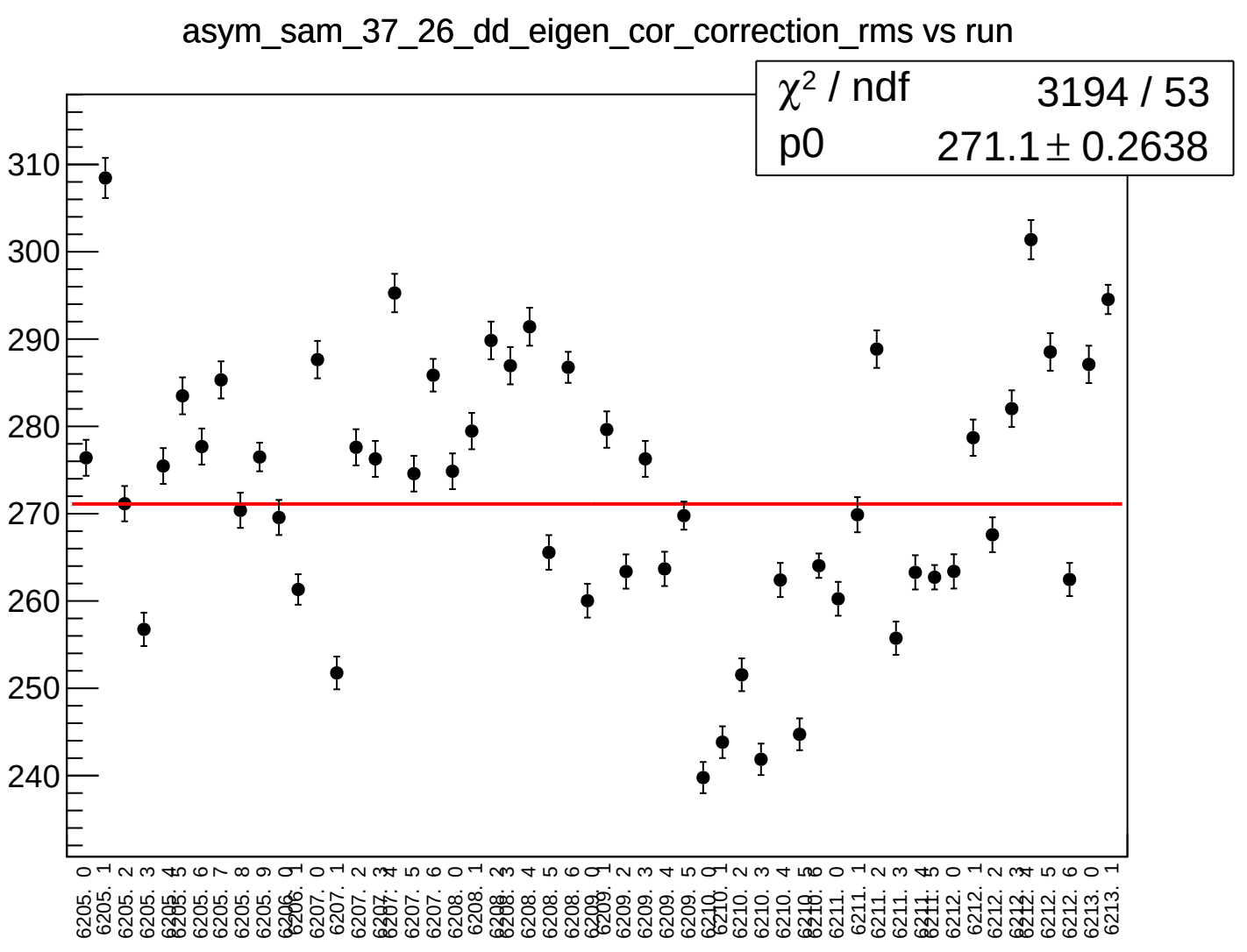

eigen_cor_asym_sam_37_26_dd_mean vs run
χ² / ndf 68.01 / 53
p0 −155.6 ± 71.36
2000
1000
0
−1000
−2000
pull
Entries 54
Mean −100.3
Std Dev 0
2
1
0
−1
−2

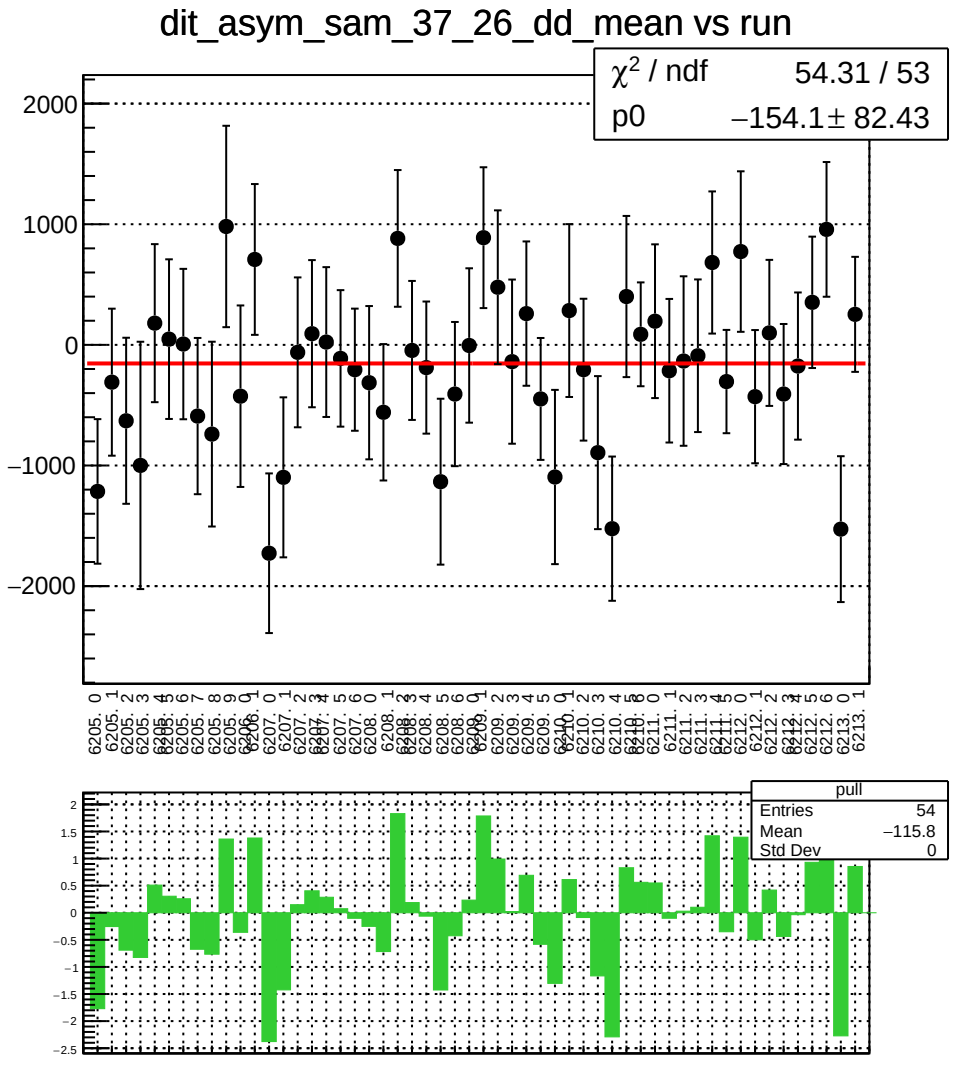

pull1D
Entries 54
Mean −0.02992
Std Dev 1.122
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

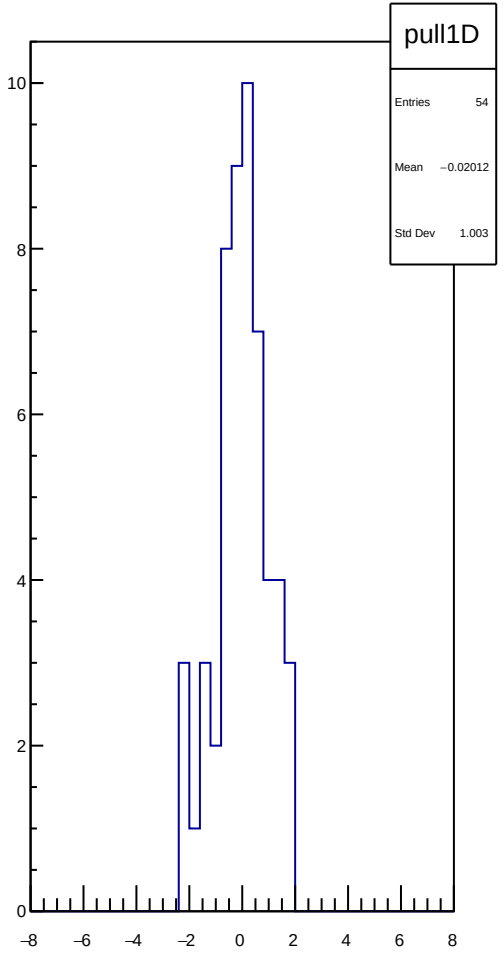

eigen_cor_asym_sam_37_26_dd_rms vs run
χ^2 / ndf 5896 / 53
p0 51.79 ± 0.05046
70
65
60
55
50
45
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

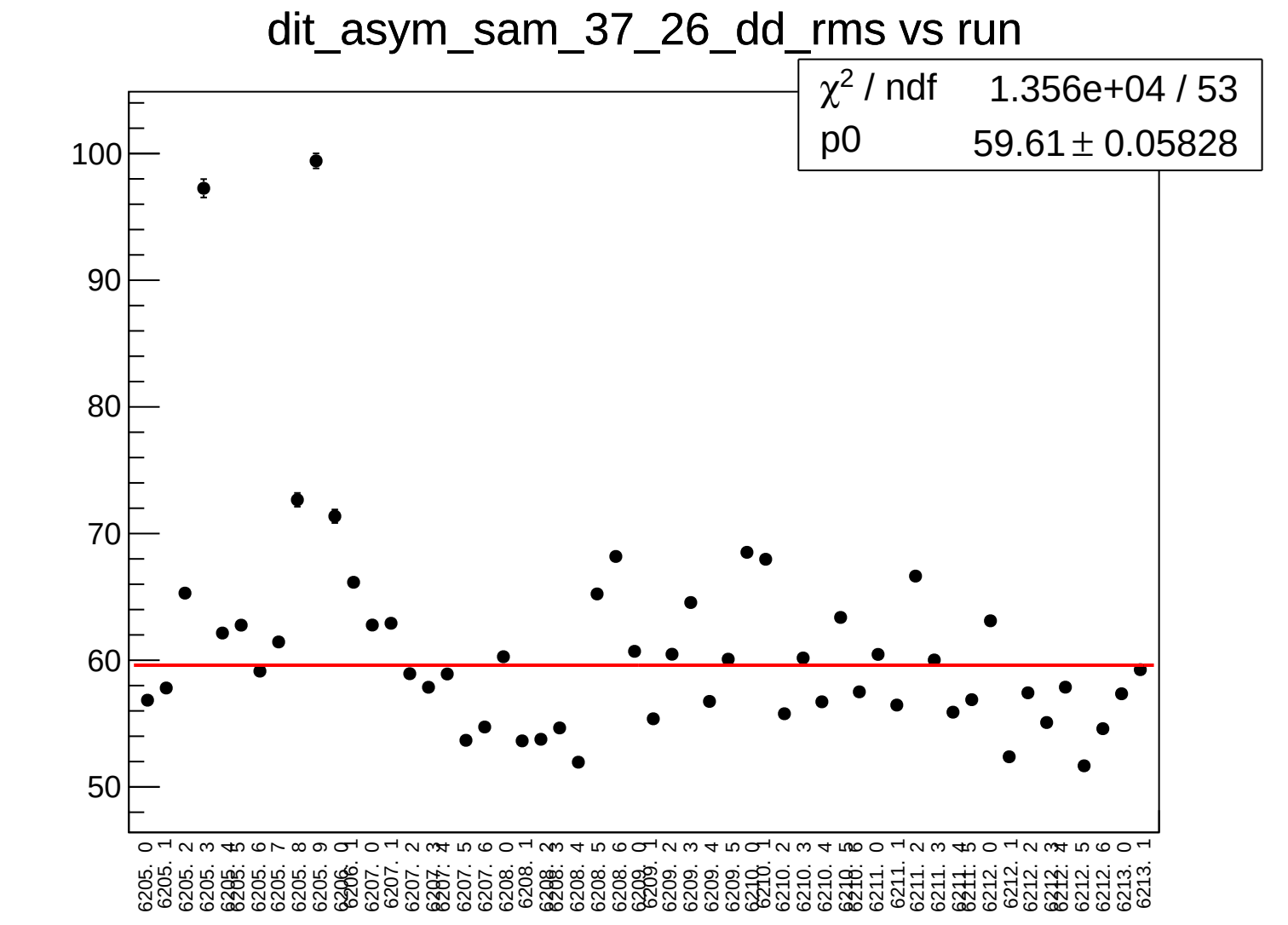

asym_sam_37_26_dd_eigen_cor_correction_mean vs run
χ² / ndf 51.32 / 53
p0 611.3 ± 373.1
pull
Entries 54
Mean 268.7
Std Dev 0

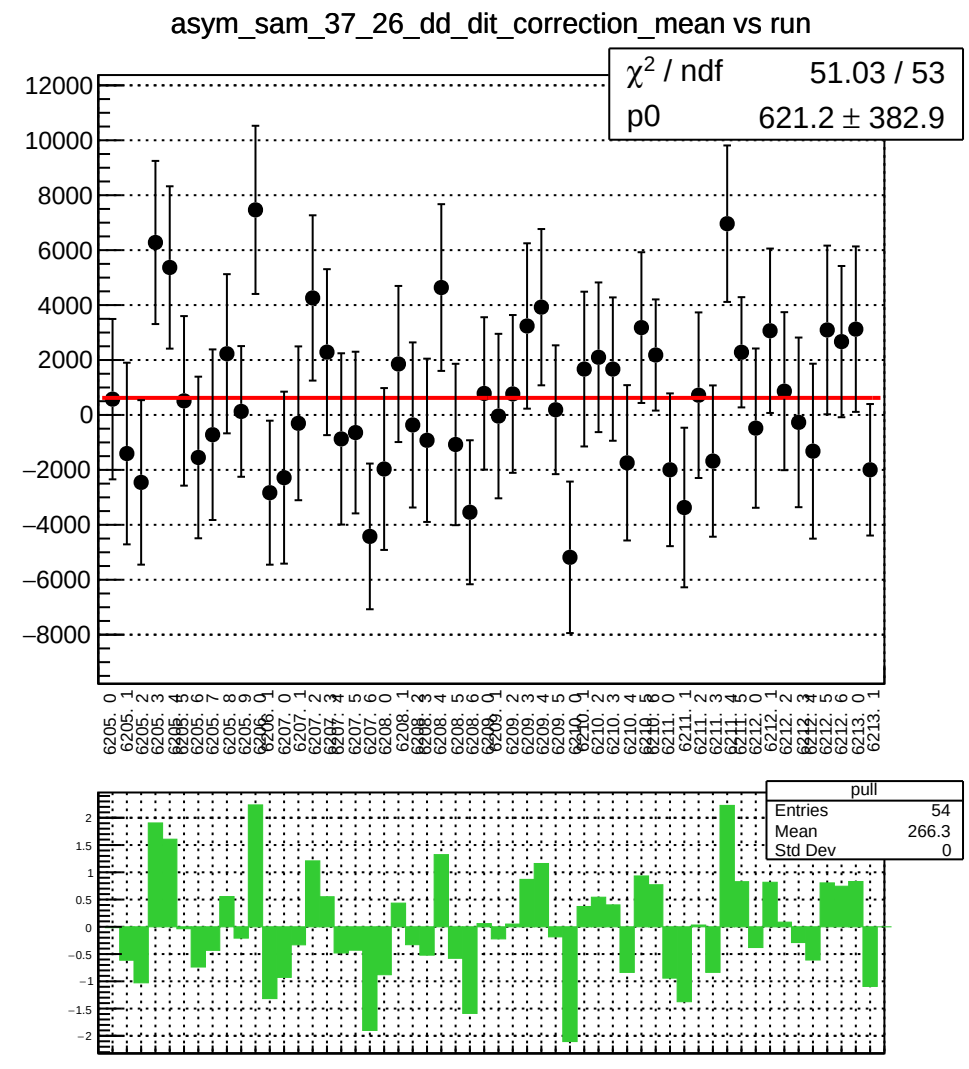

pull1D
Entries 54
Mean 0.003044
Std Dev 0.9749

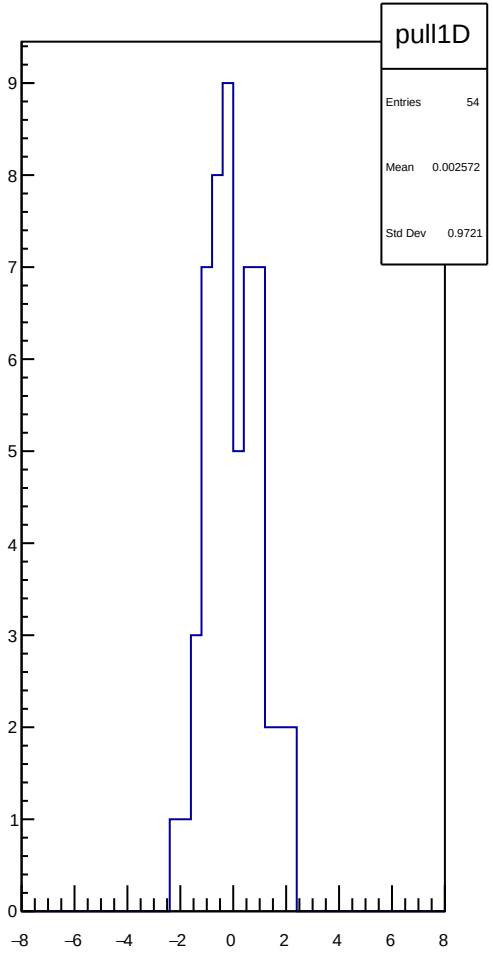

asym_sam_37_26_dd_eigen_cor_correction_rms vs run
χ² / ndf 3194 / 53
p0 271.1 ± 0.2638
310
300
290
280
270
260
250
240
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

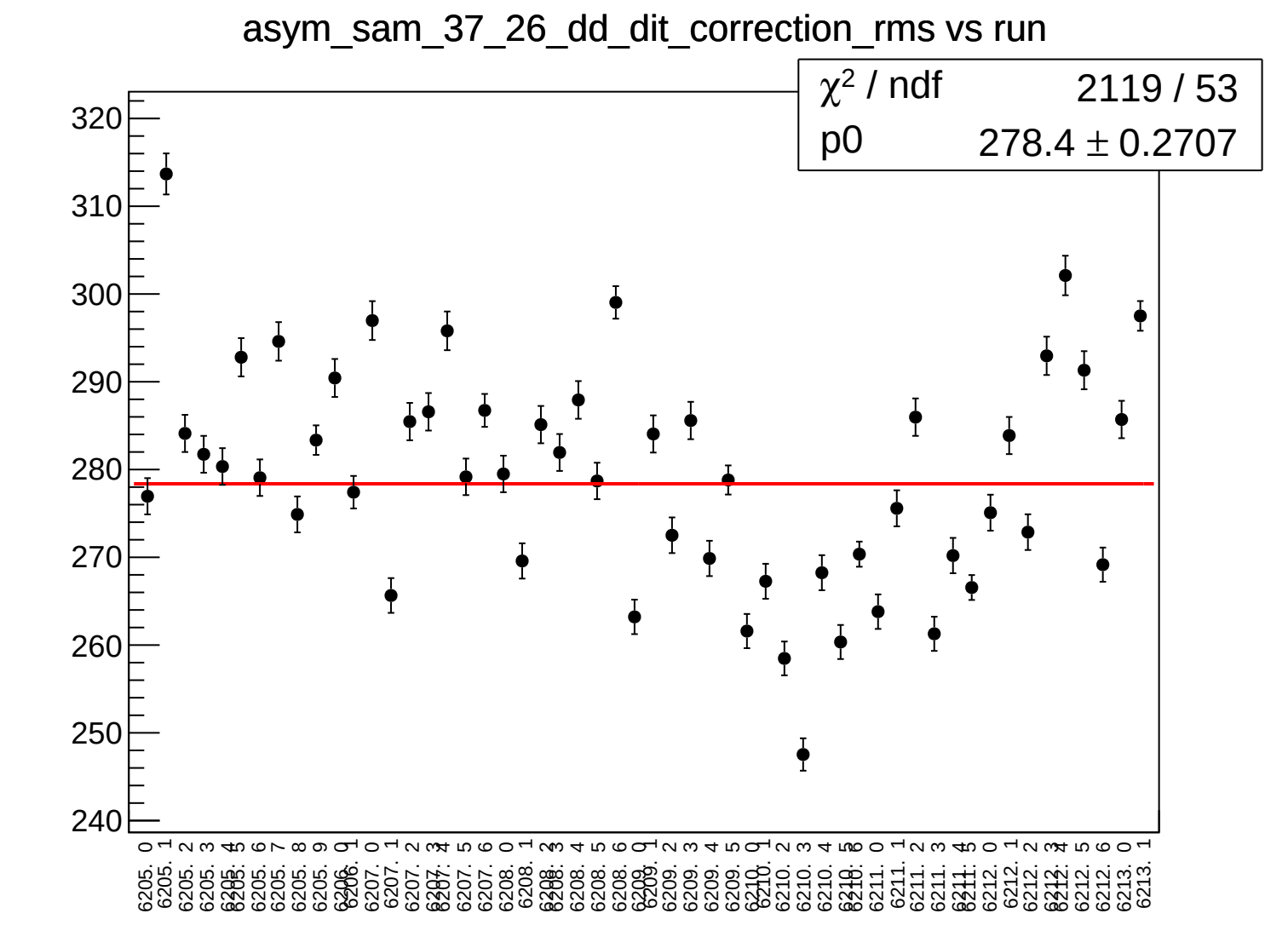

dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 54.31 / 53
p0 −154.1± 82.43
2000
1000
0
−1000
−2000
pull
Entries 54
Mean −115.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

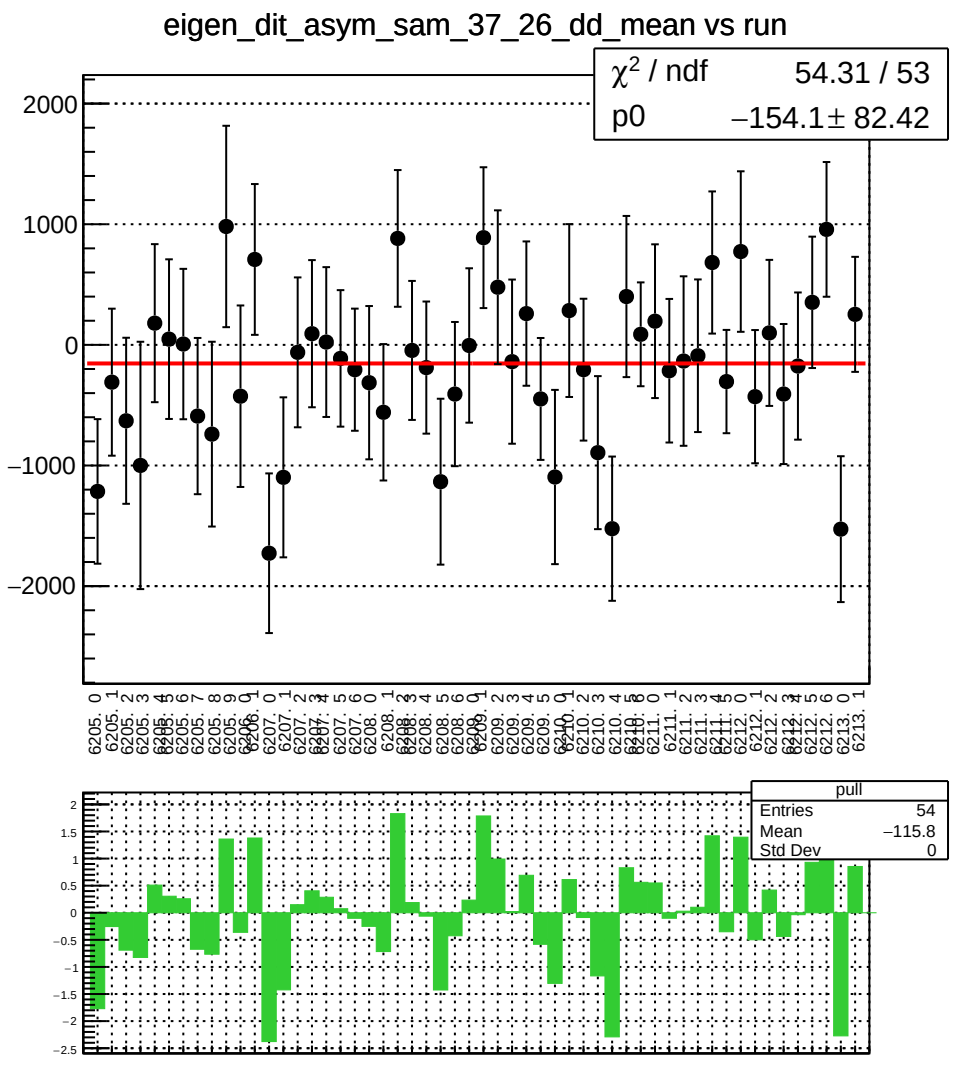

pull1D
Entries 54
Mean −0.02012
Std Dev 1.003
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

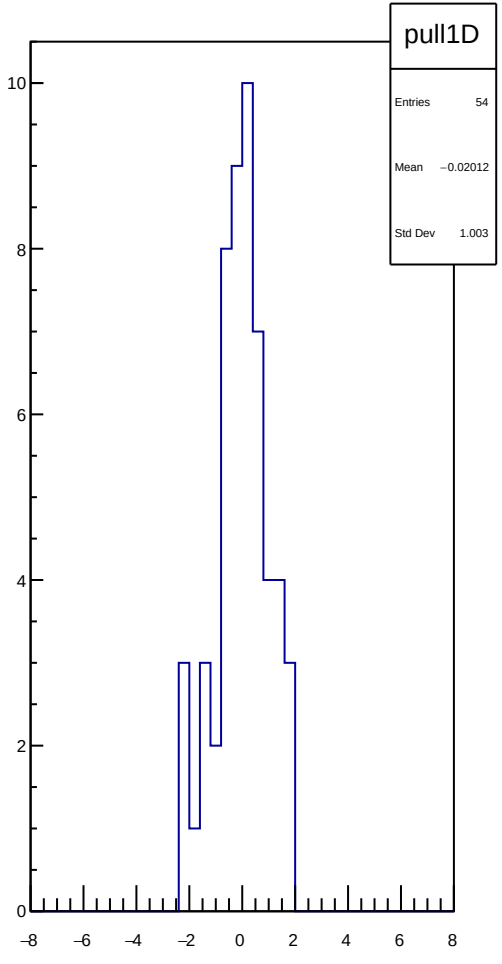

dit_asym_sam_37_26_dd_rms vs run
χ^2 / ndf 1.356e+04 / 53
p0 59.61 ± 0.05828
100
90
80
70
60
50
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 1
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

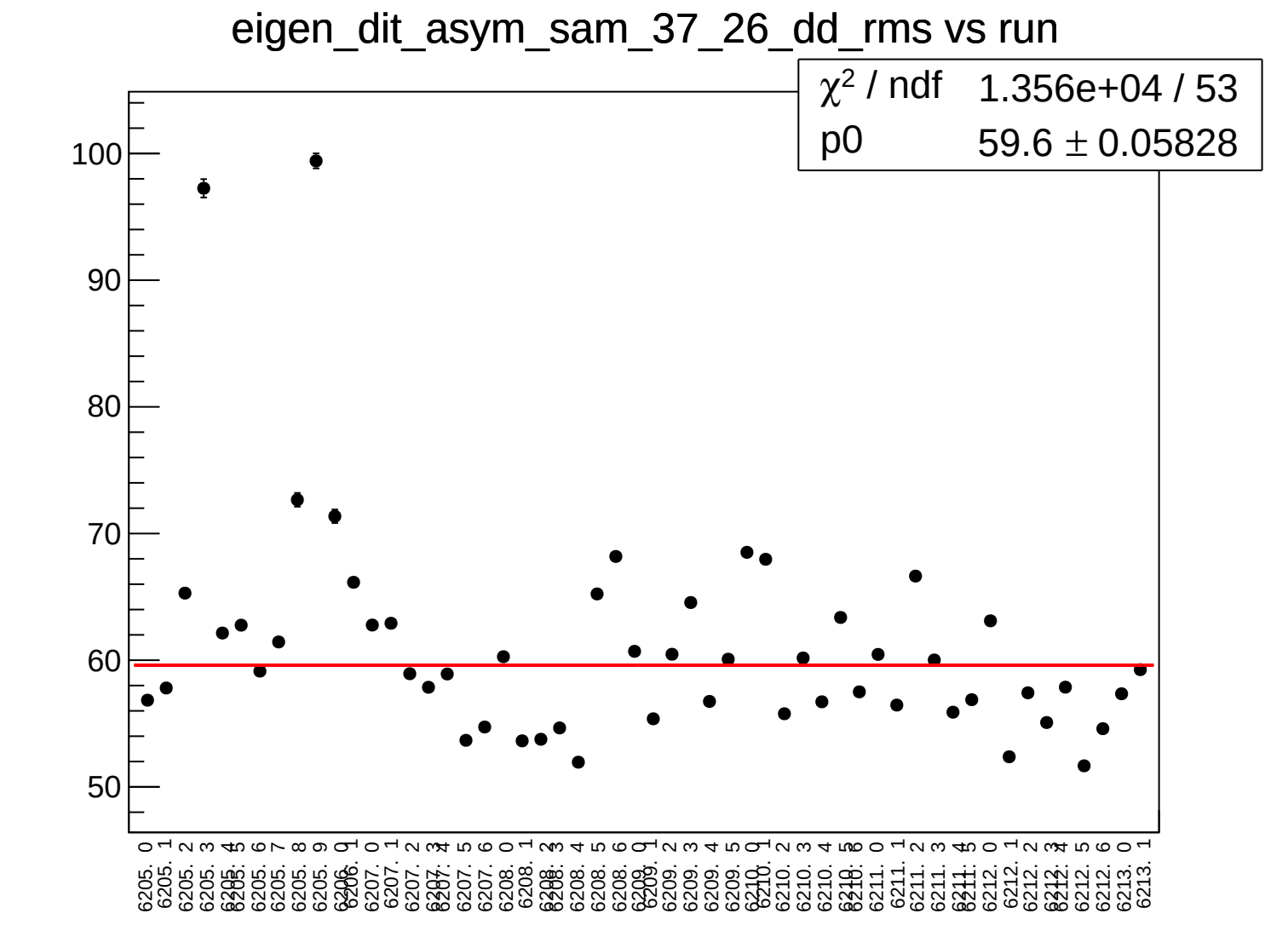

asym_sam_37_26_dd_dit_correction_mean vs run
χ² / ndf 51.03 / 53
p0 621.2 ± 382.9
pull
Entries 54
Mean 266.3
Std Dev 0

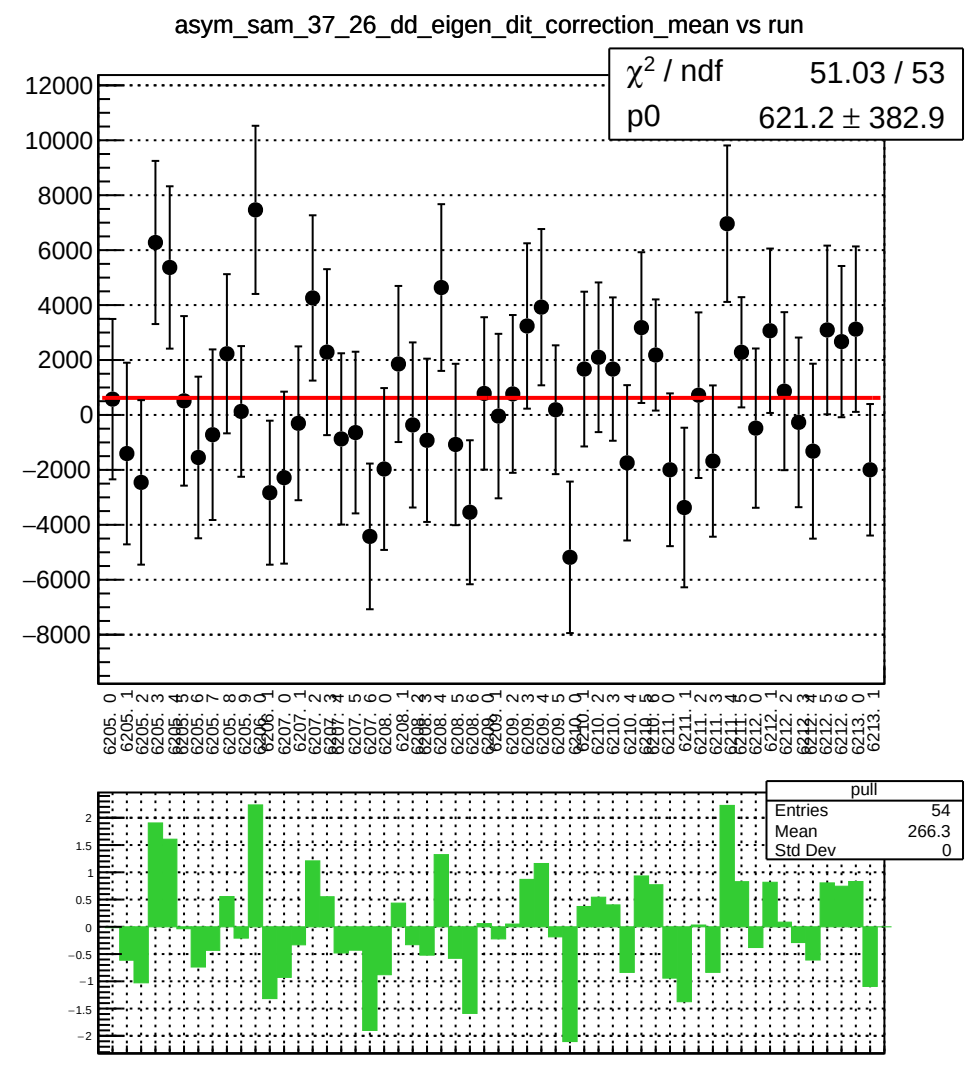

pull1D
Entries 54
Mean 0.002572
Std Dev 0.9721

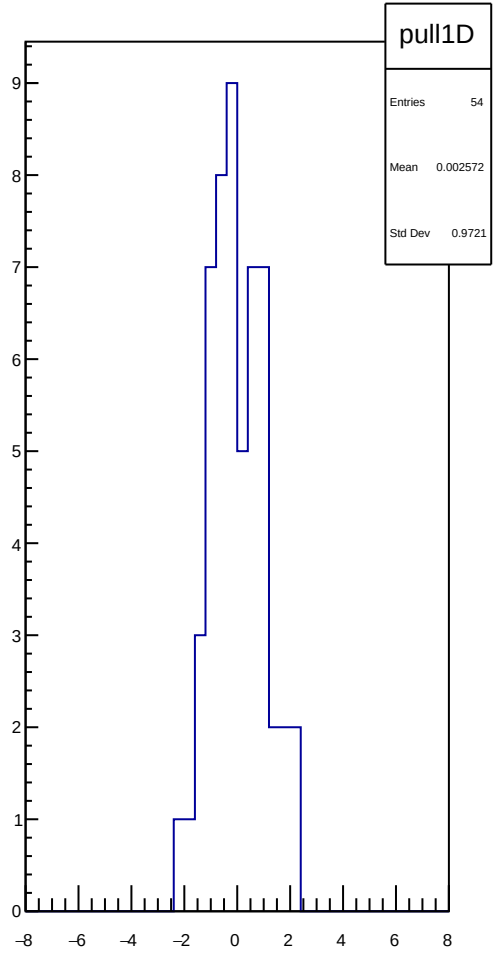

asym_sam_37_26_dd_dit_correction_rms vs run
χ² / ndf 2119 / 53
p0 278.4 ± 0.2707
320
310
300
290
280
270
260
250
240
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

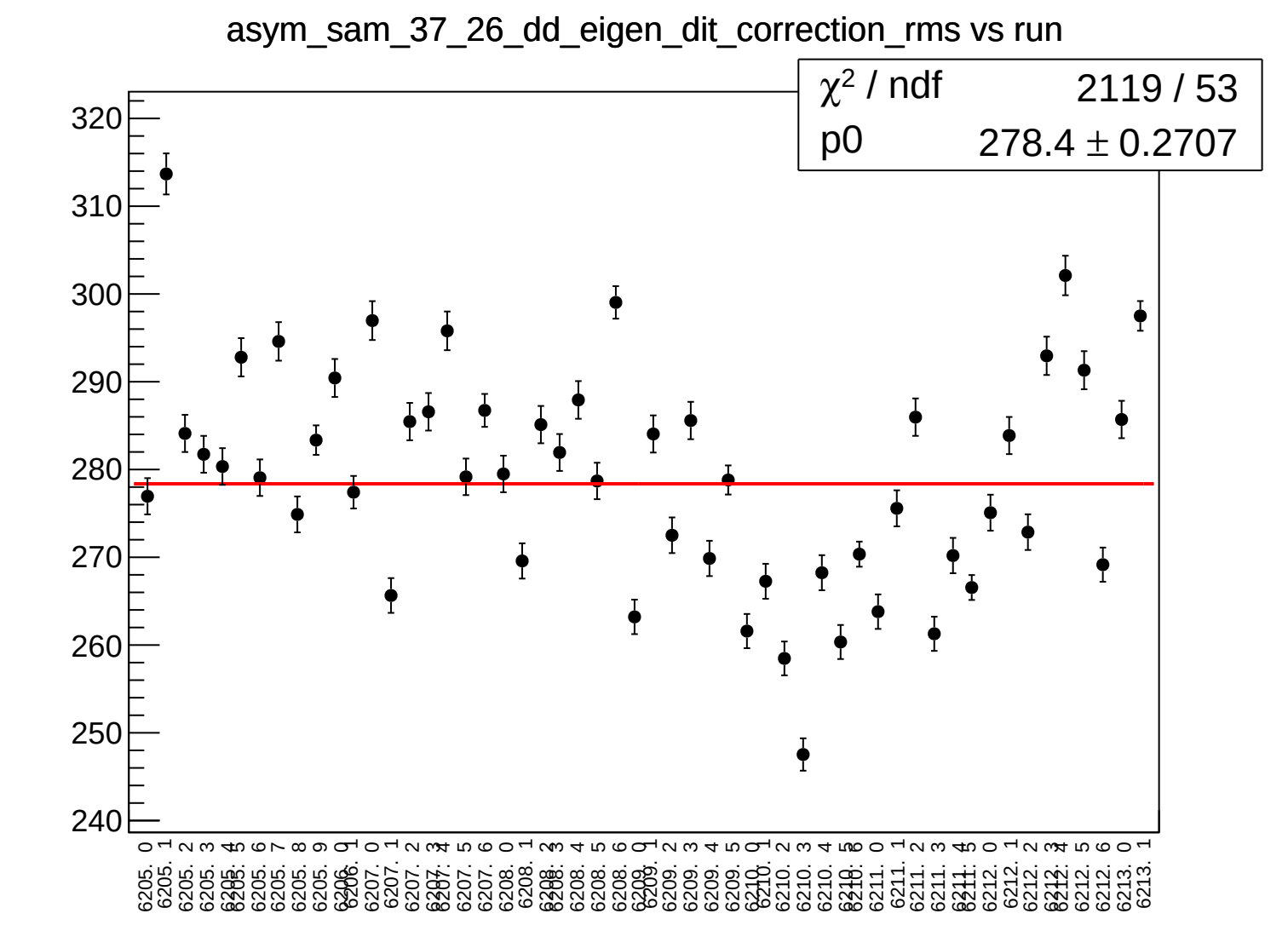

eigen_dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 54.31 / 53
p0 −154.1± 82.42
2000
1000
0
−1000
−2000
pull
Entries 54
Mean −115.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

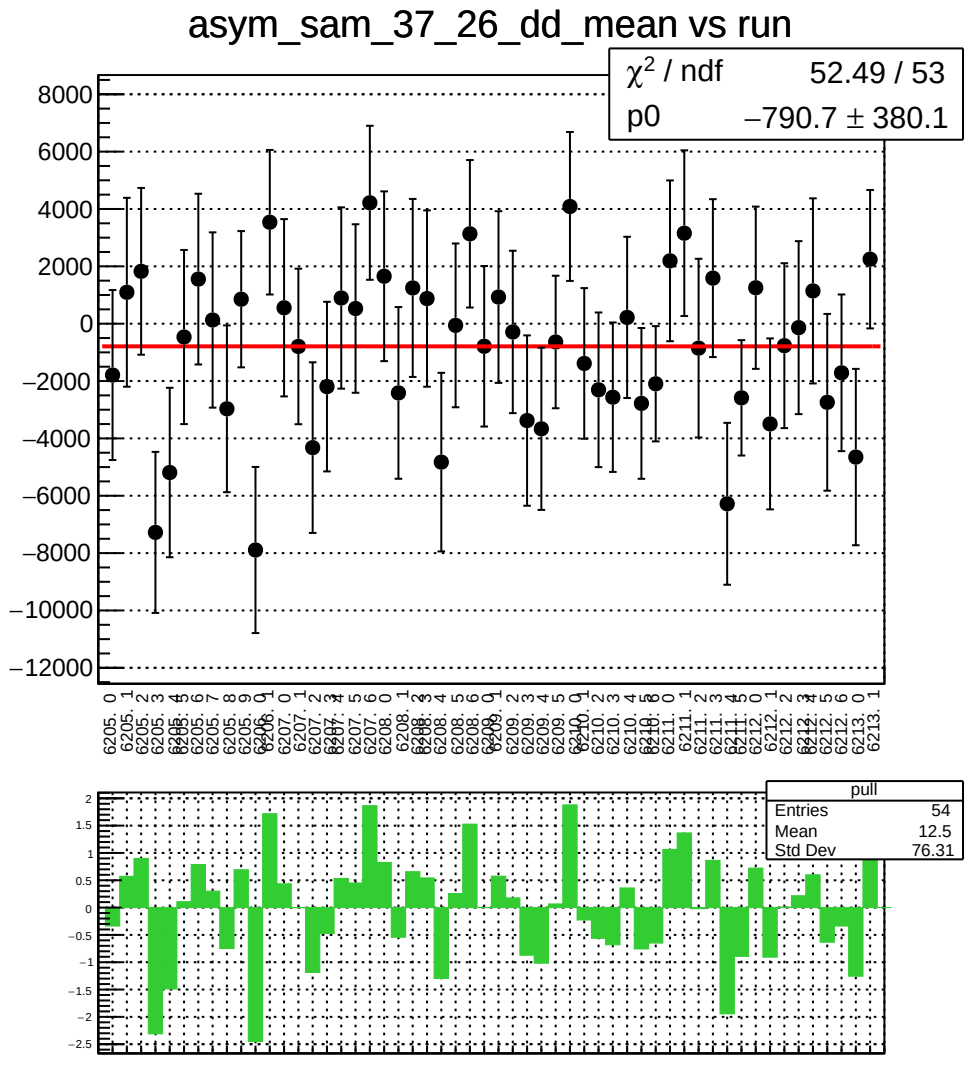

pull1D
Entries 54
Mean −0.02012
Std Dev 1.003
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

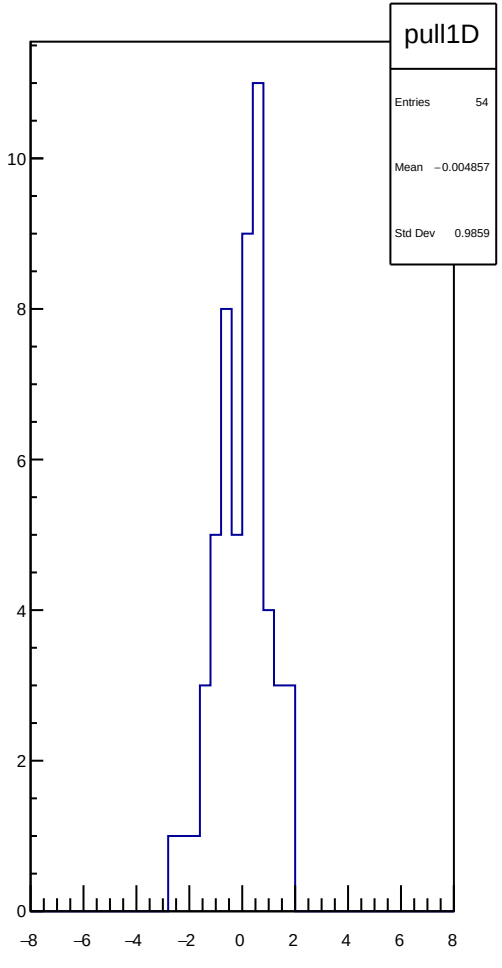

eigen_dit_asym_sam_37_26_dd_rms vs run
χ² / ndf 1.356e+04 / 53
p0 59.6 ± 0.05828
100
90
80
70
60
50
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 1
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

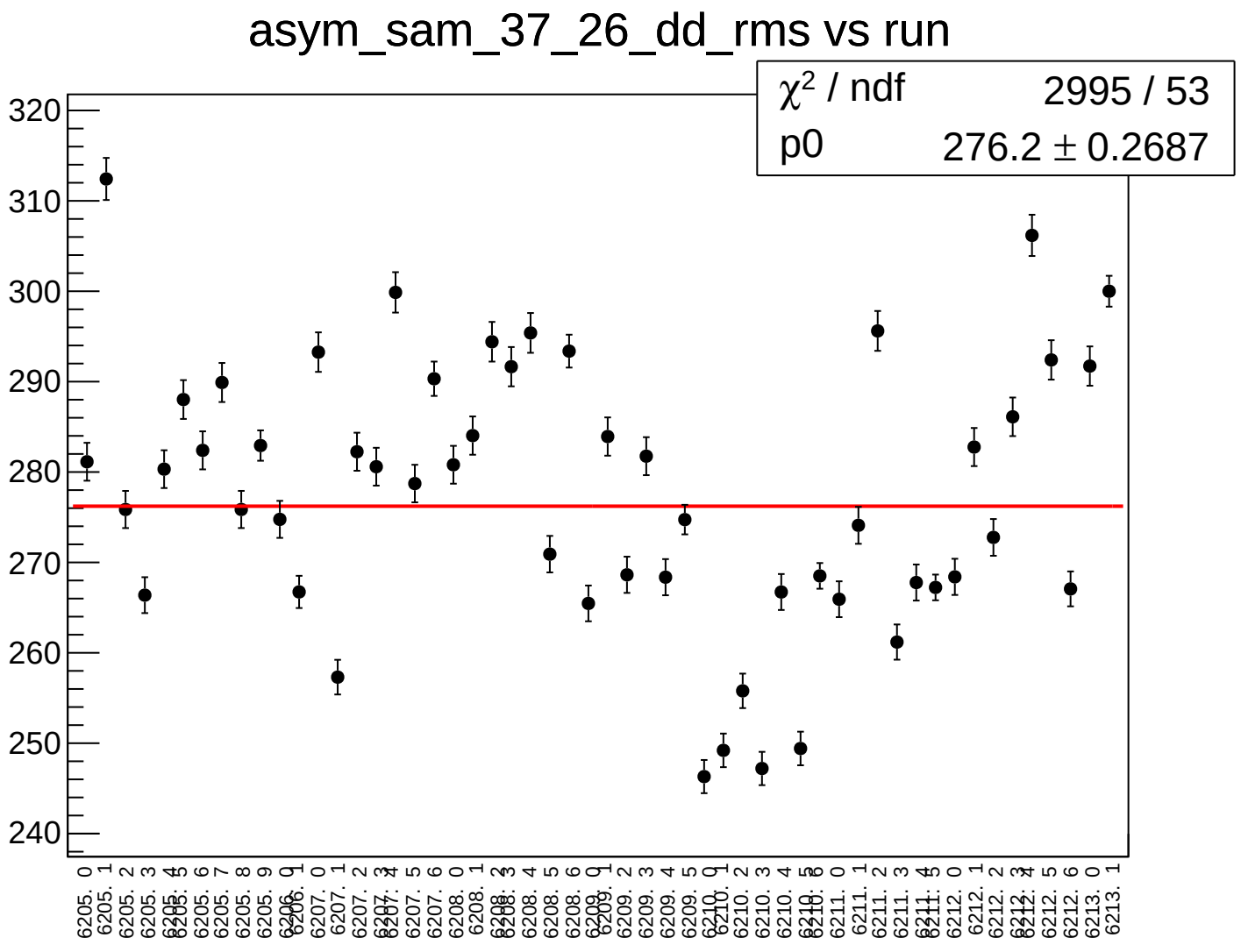

asym_sam_37_26_dd_eigen_dit_correction_mean vs run
χ² / ndf 51.03 / 53
p0 621.2 ± 382.9
pull
Entries 54
Mean 266.3
Std Dev 0

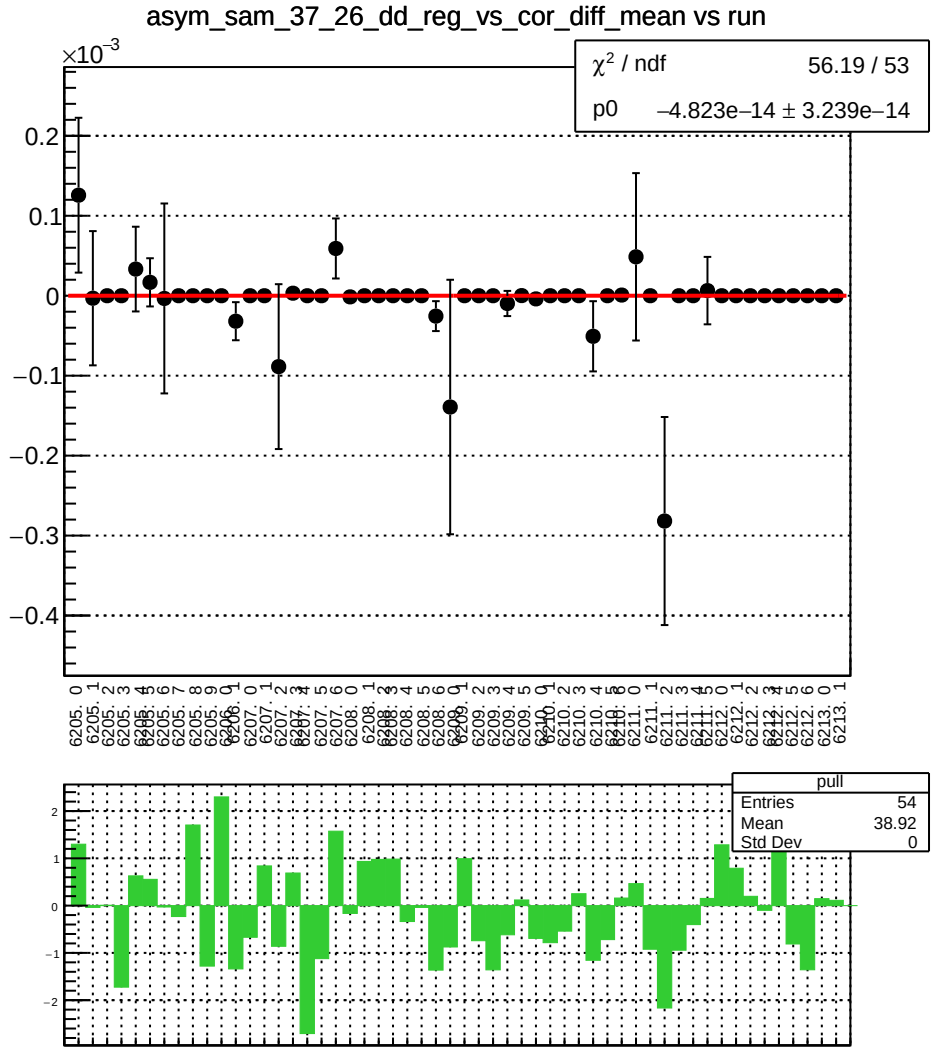

pull1D
Entries 54
Mean 0.002572
Std Dev 0.9721

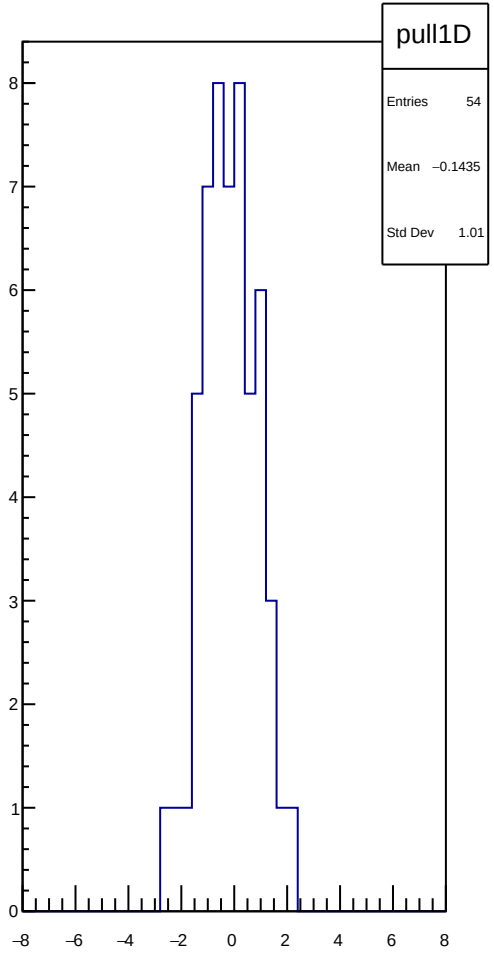

asym_sam_37_26_dd_eigen_dit_correction_rms vs run
χ² / ndf 2119 / 53
p0 278.4 ± 0.2707
320
310
300
290
280
270
260
250
240
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

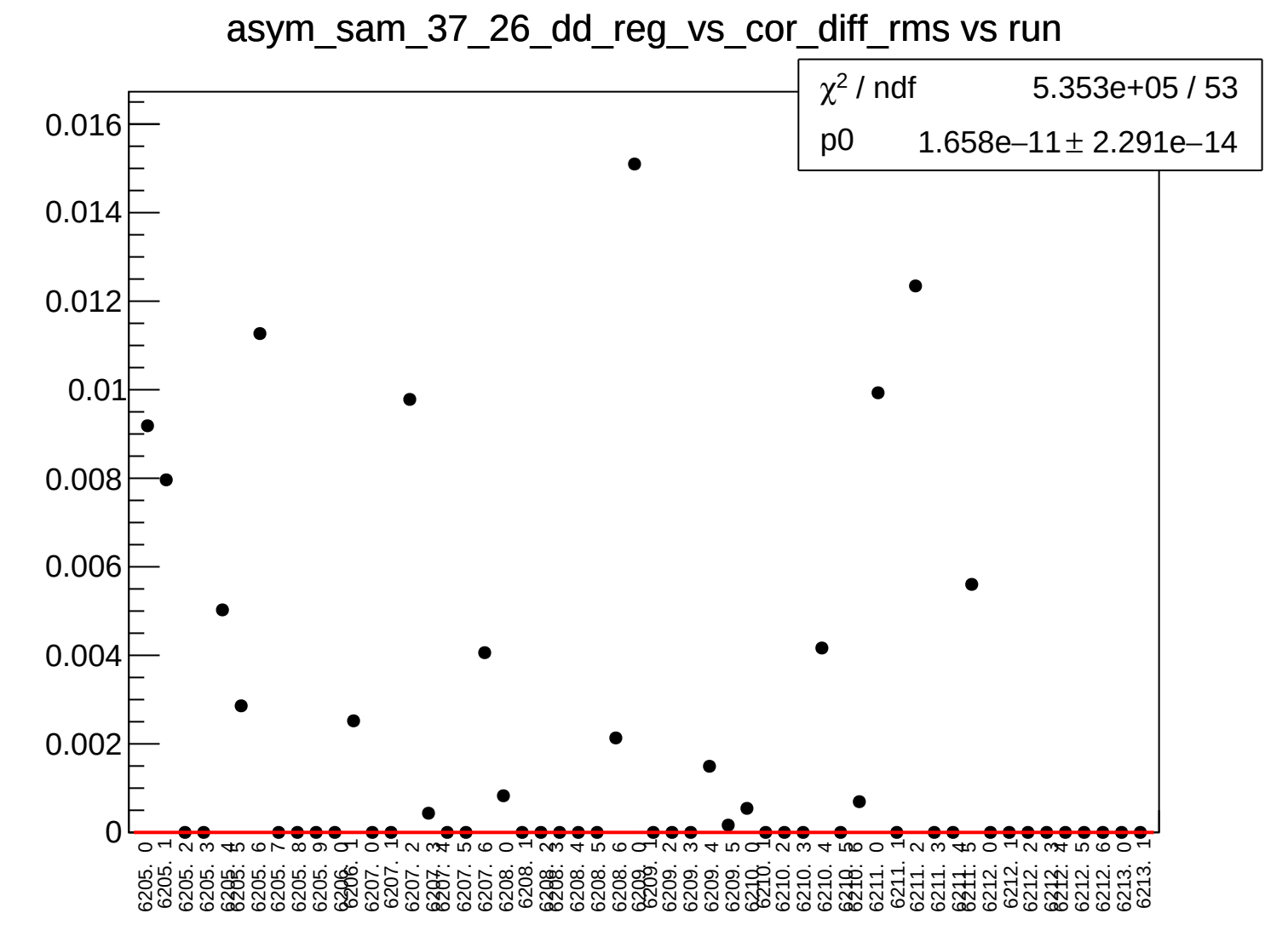

asym_sam_37_26_dd_mean vs run
χ² / ndf 52.49 / 53
p0 −790.7 ± 380.1
pull
Entries 54
Mean 12.5
Std Dev 76.31

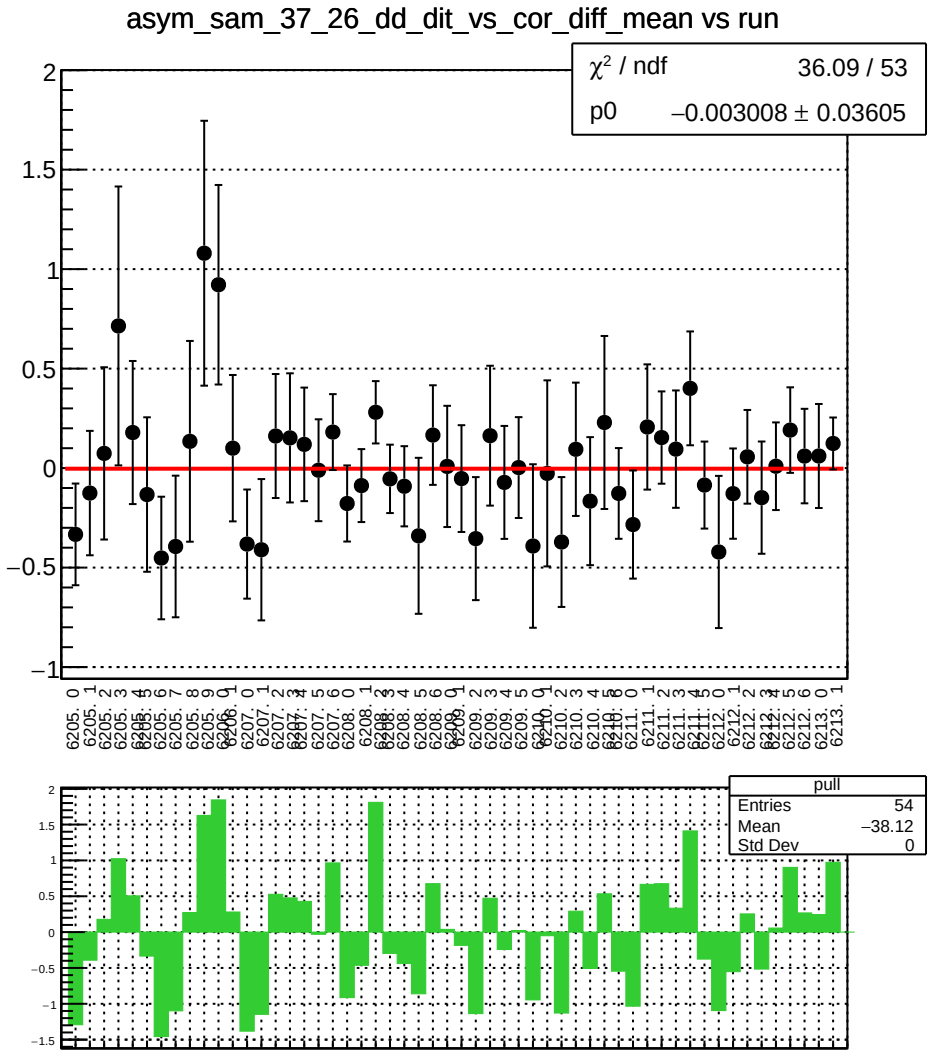

pull1D
Entries 54
Mean −0.004857
Std Dev 0.9859

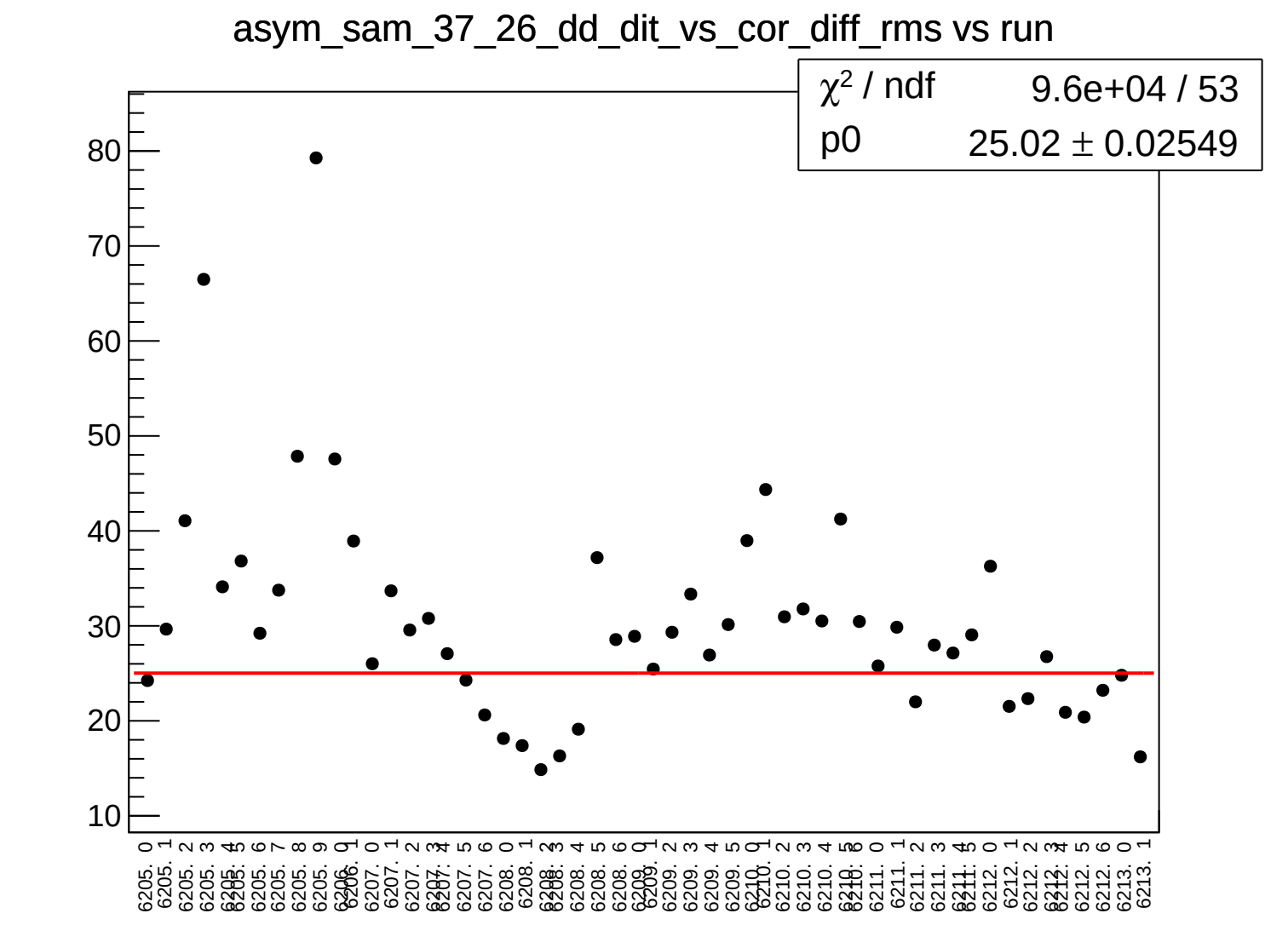

asym_sam_37_26_dd_rms vs run
χ² / ndf 2995 / 53
p0 276.2 ± 0.2687
320
310
300
290
280
270
260
250
240
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

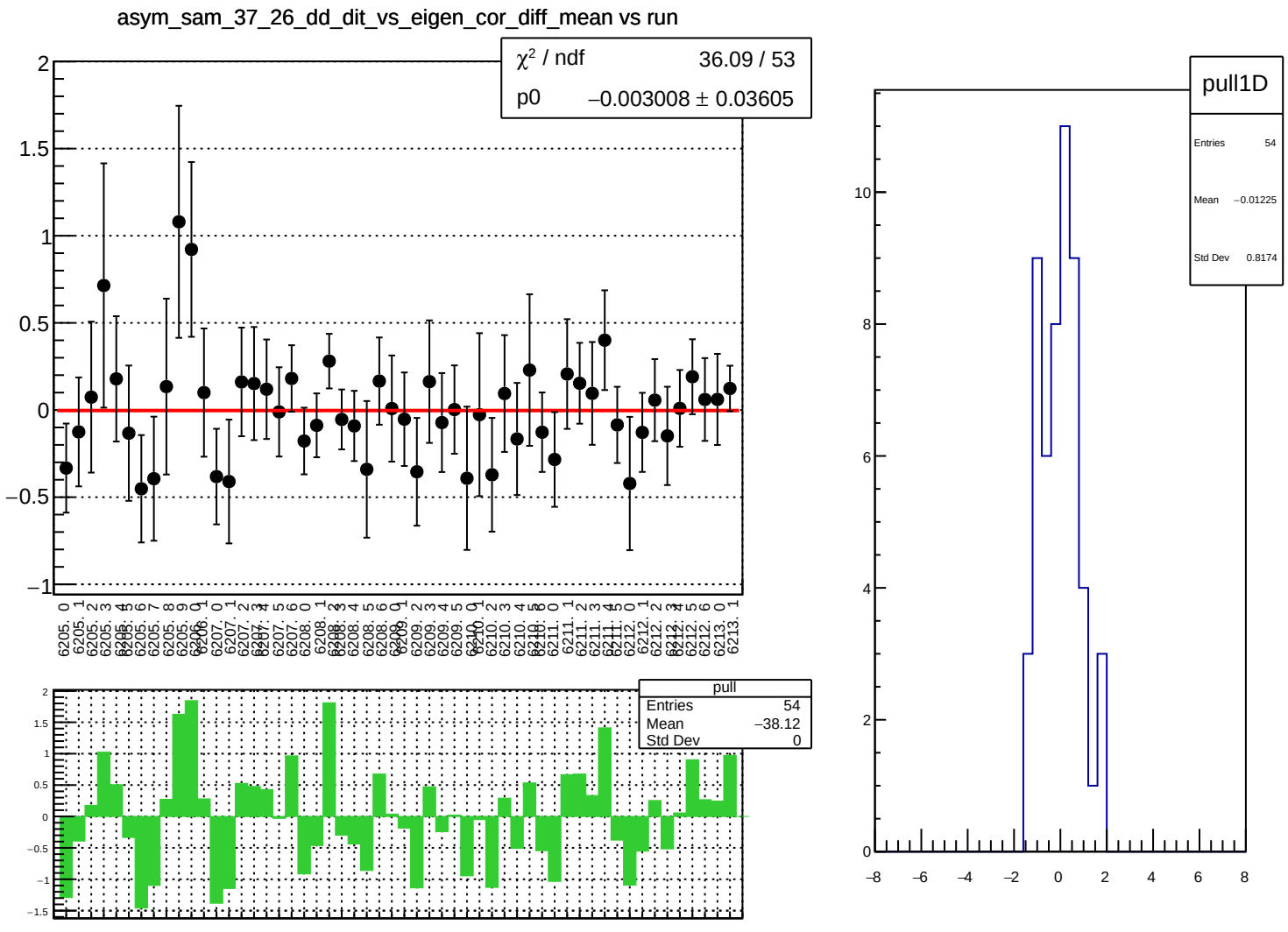

asym_sam_37_26_dd_reg_vs_cor_diff_mean vs run
×10^−3
χ² / ndf 56.19 / 53
p0 −4.823e−14 ± 3.239e−14
pull
Entries 54
Mean 38.92
Std Dev 0

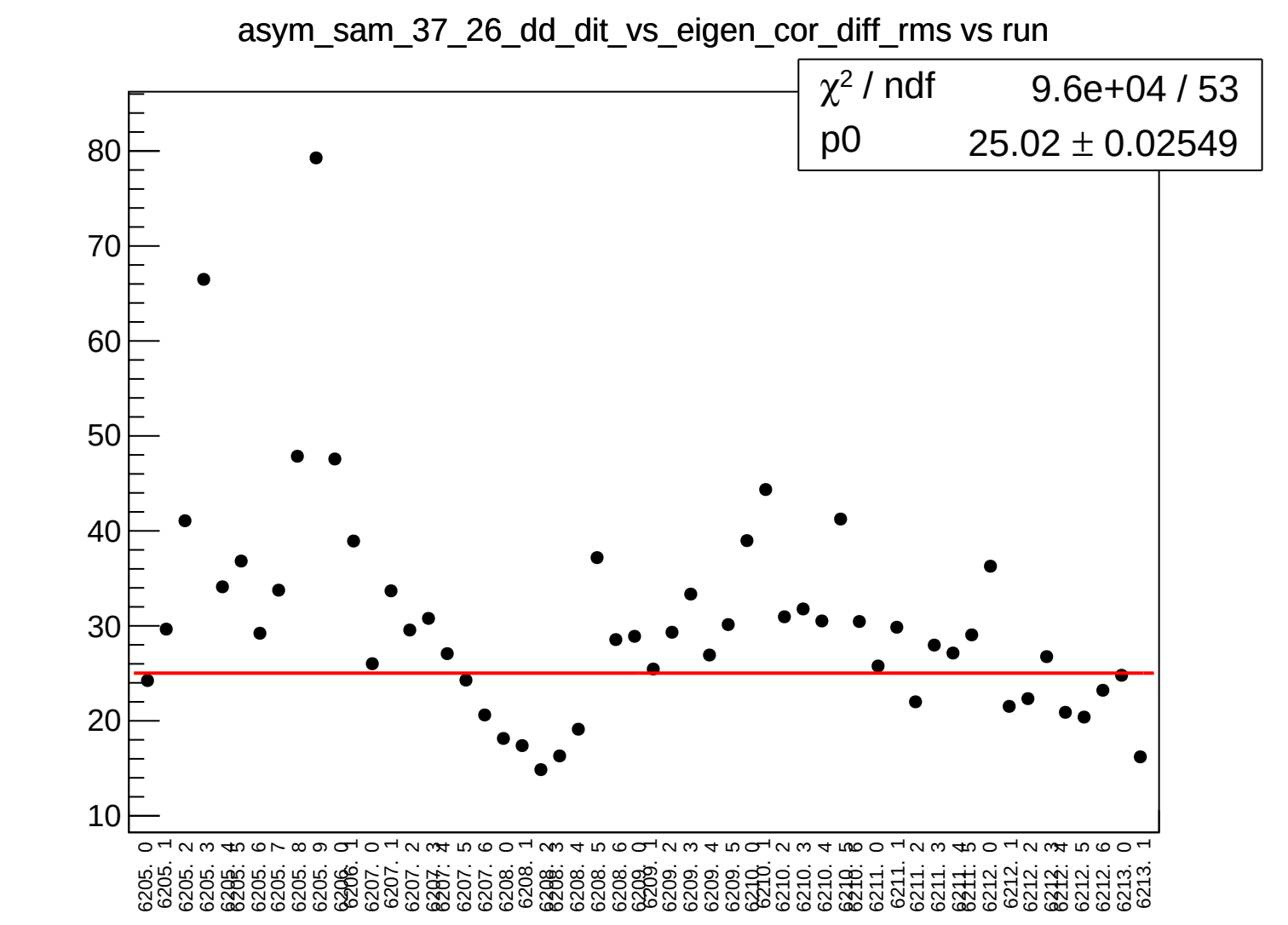

pull1D
Entries 54
Mean −0.1435
Std Dev 1.01

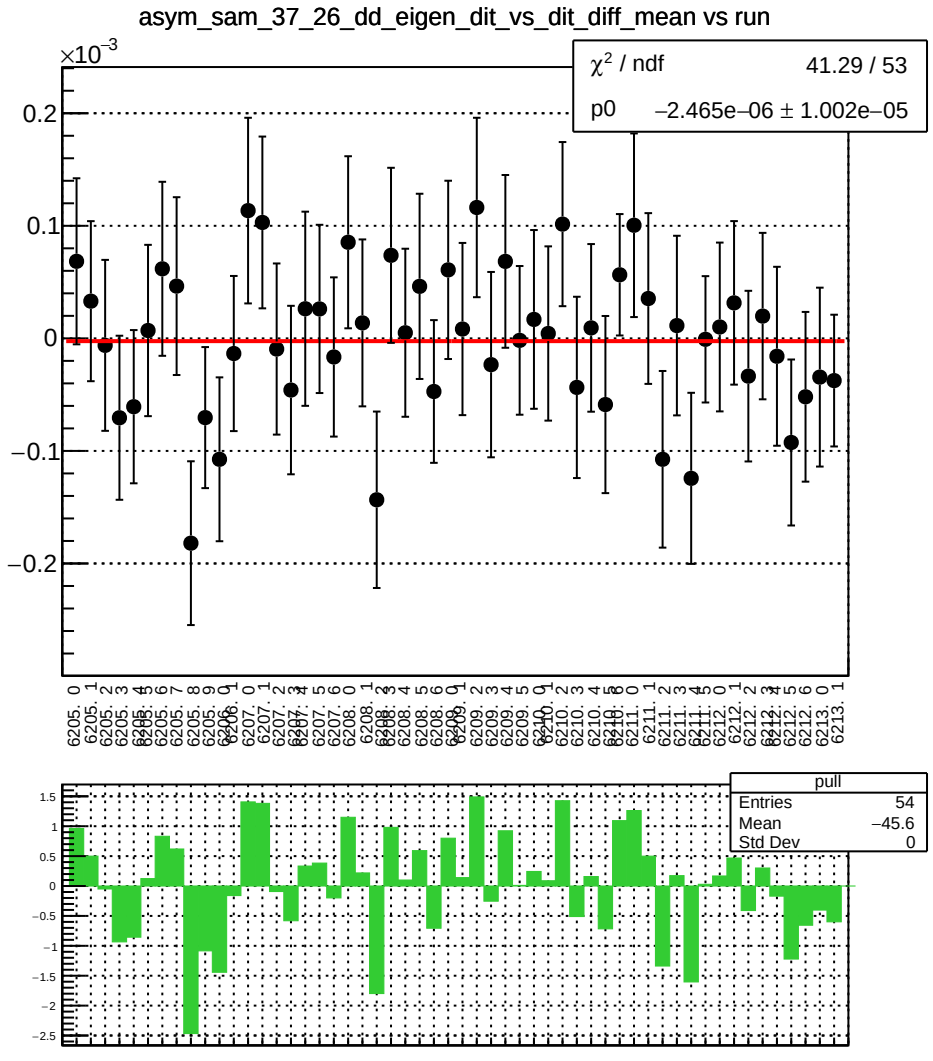

asym_sam_37_26_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.353e+05 / 53
p0 1.658e−11 ± 2.291e−14
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0

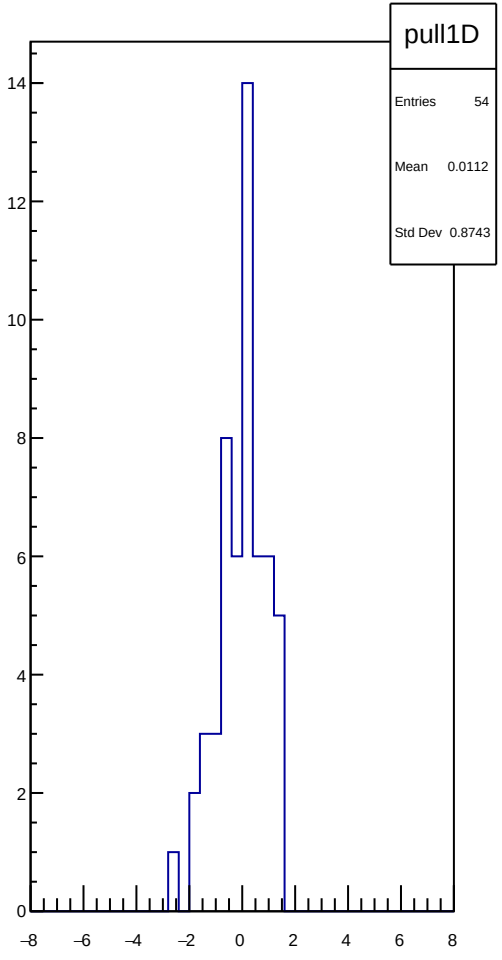

asym_sam_37_26_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 36.09 / 53
p0 −0.003008 ± 0.03605
pull
Entries 54
Mean −38.12
Std Dev 0
pull1D
Entries 54
Mean −0.01225
Std Dev 0.8174

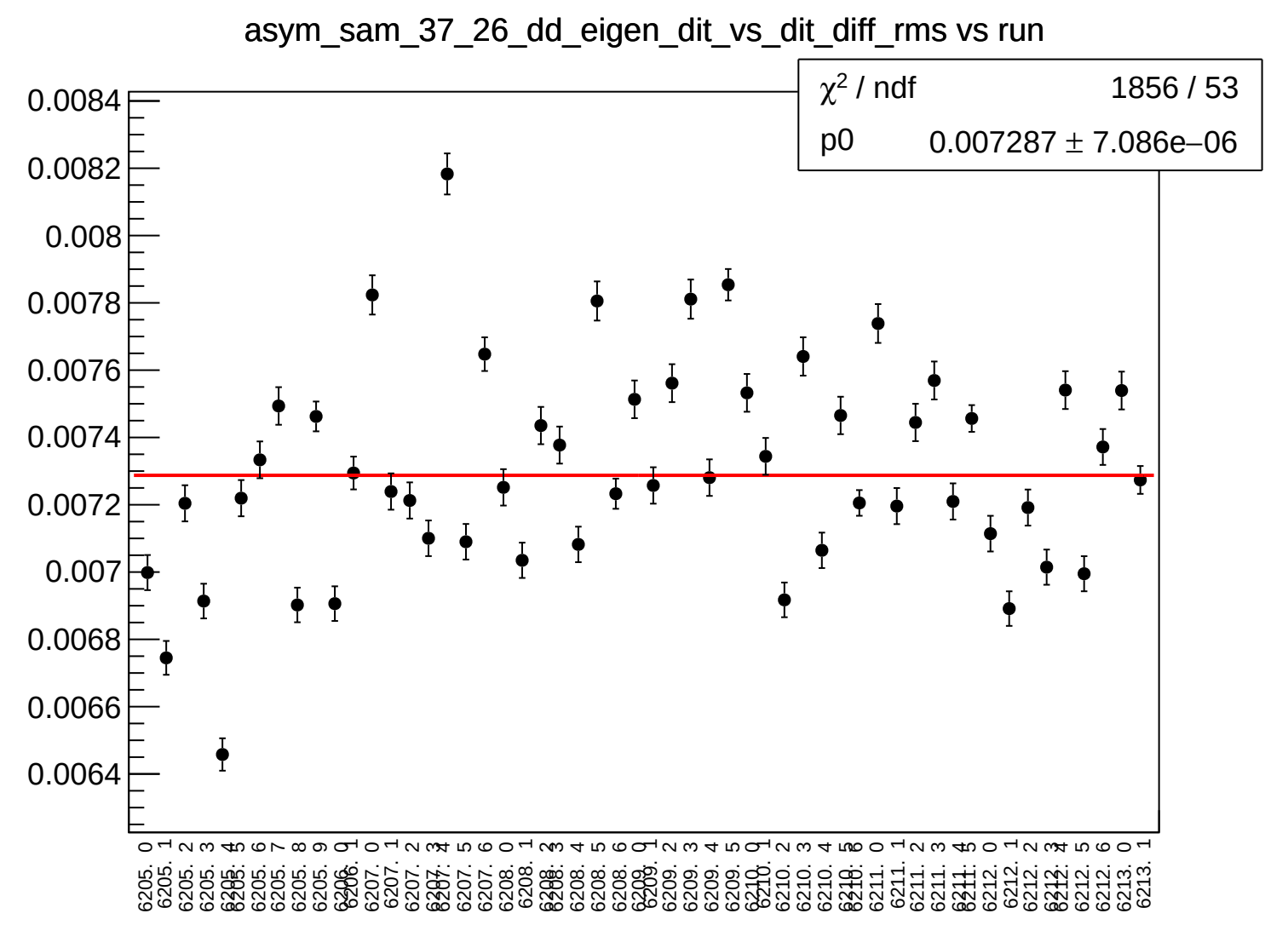

asym_sam_37_26_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 9.6e+04 / 53
p0 25.02 ± 0.02549
80
70
60
50
40
30
20
10
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

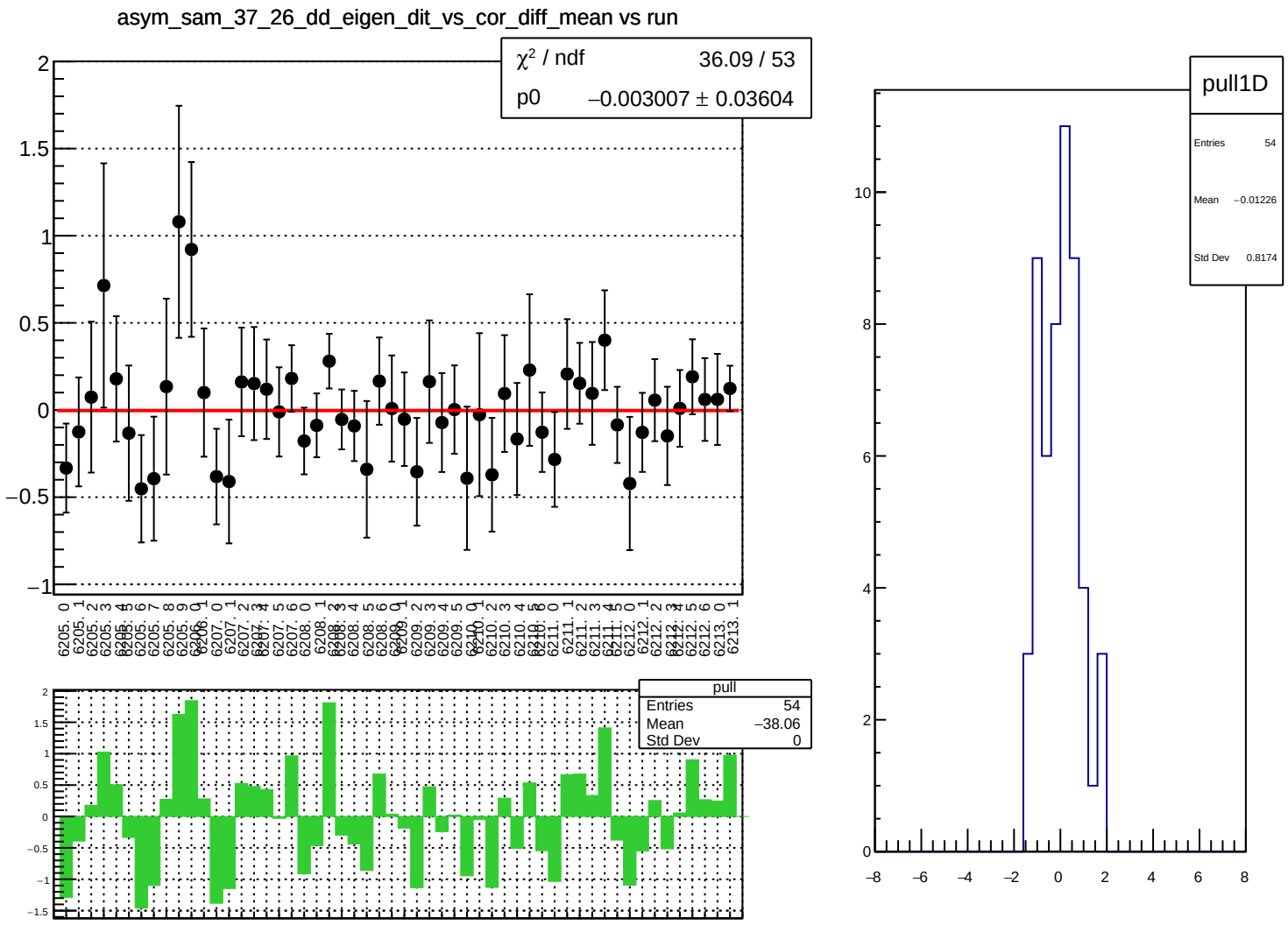

asym_sam_37_26_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 36.09 / 53
p0 −0.003008 ± 0.03605
pull
Entries 54
Mean −38.12
Std Dev 0
pull1D
Entries 54
Mean −0.01225
Std Dev 0.8174

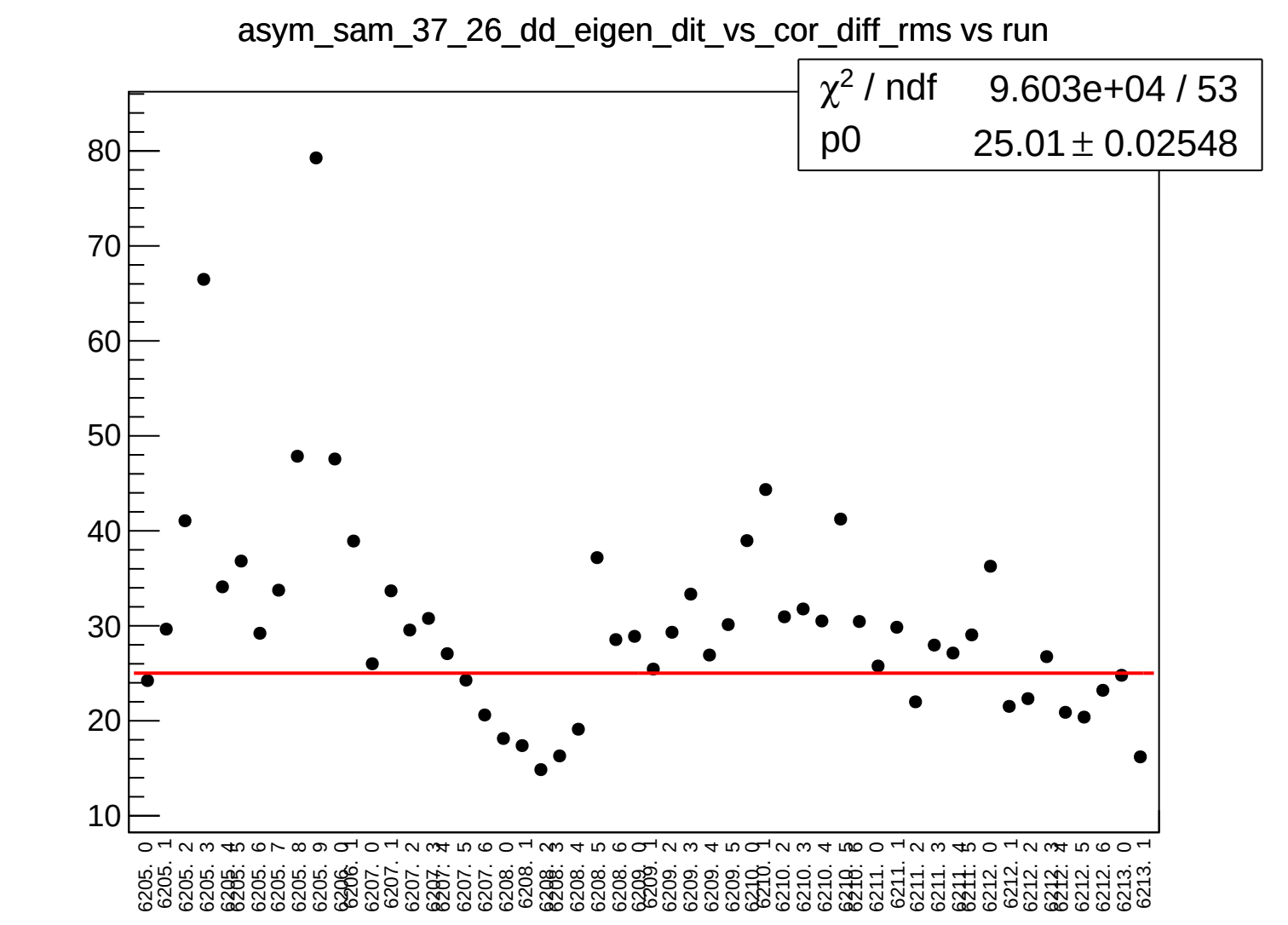

asym_sam_37_26_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.6e+04 / 53
p0 25.02 ± 0.02549
80
70
60
50
40
30
20
10
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6208. 7
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

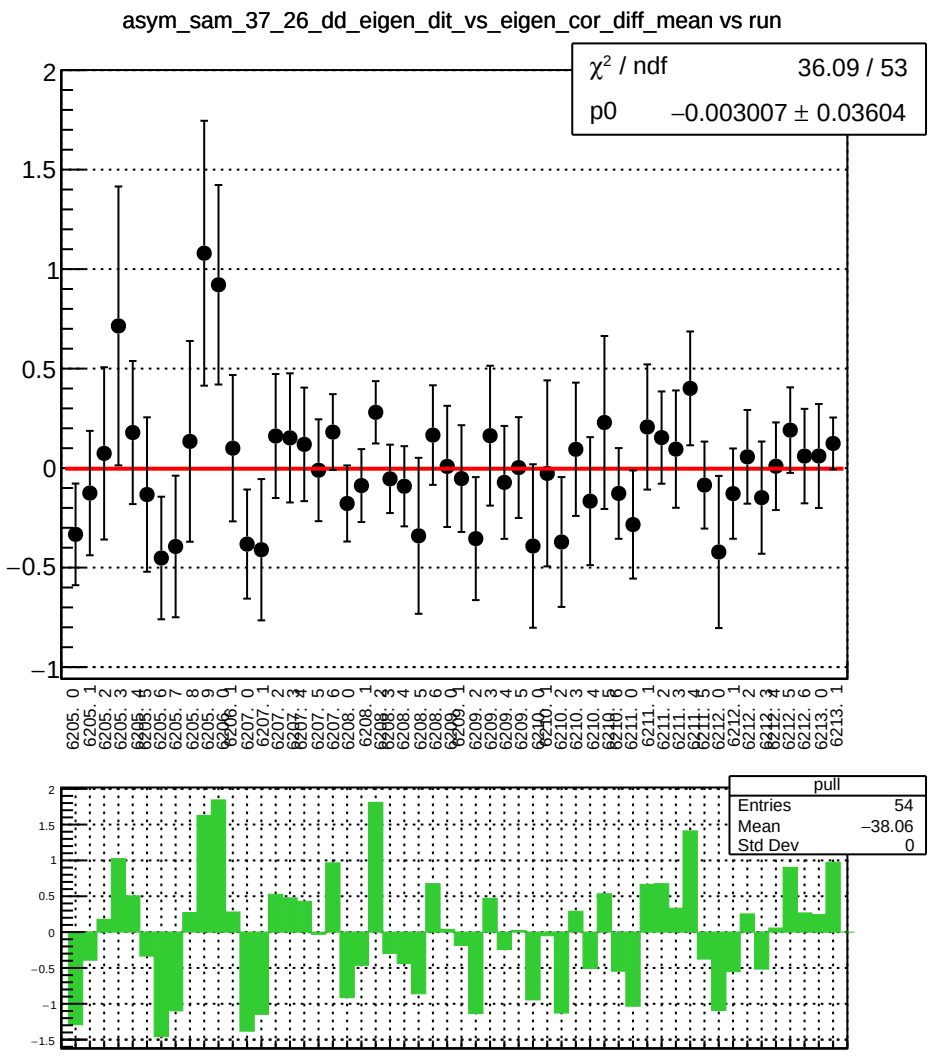

asym_sam_37_26_dd_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 41.29 / 53
p0 −2.465e−06 ± 1.002e−05
pull
Entries 54
Mean −45.6
Std Dev 0

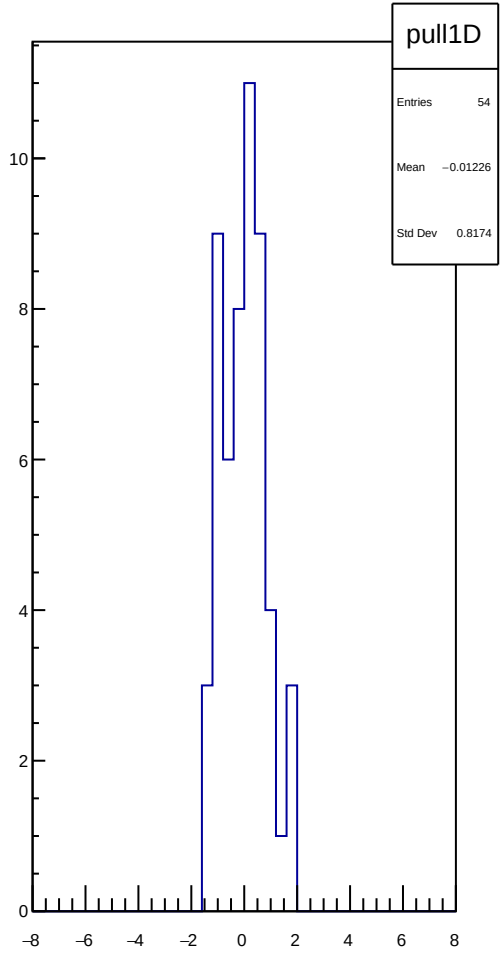

pull1D
Entries 54
Mean 0.0112
Std Dev 0.8743

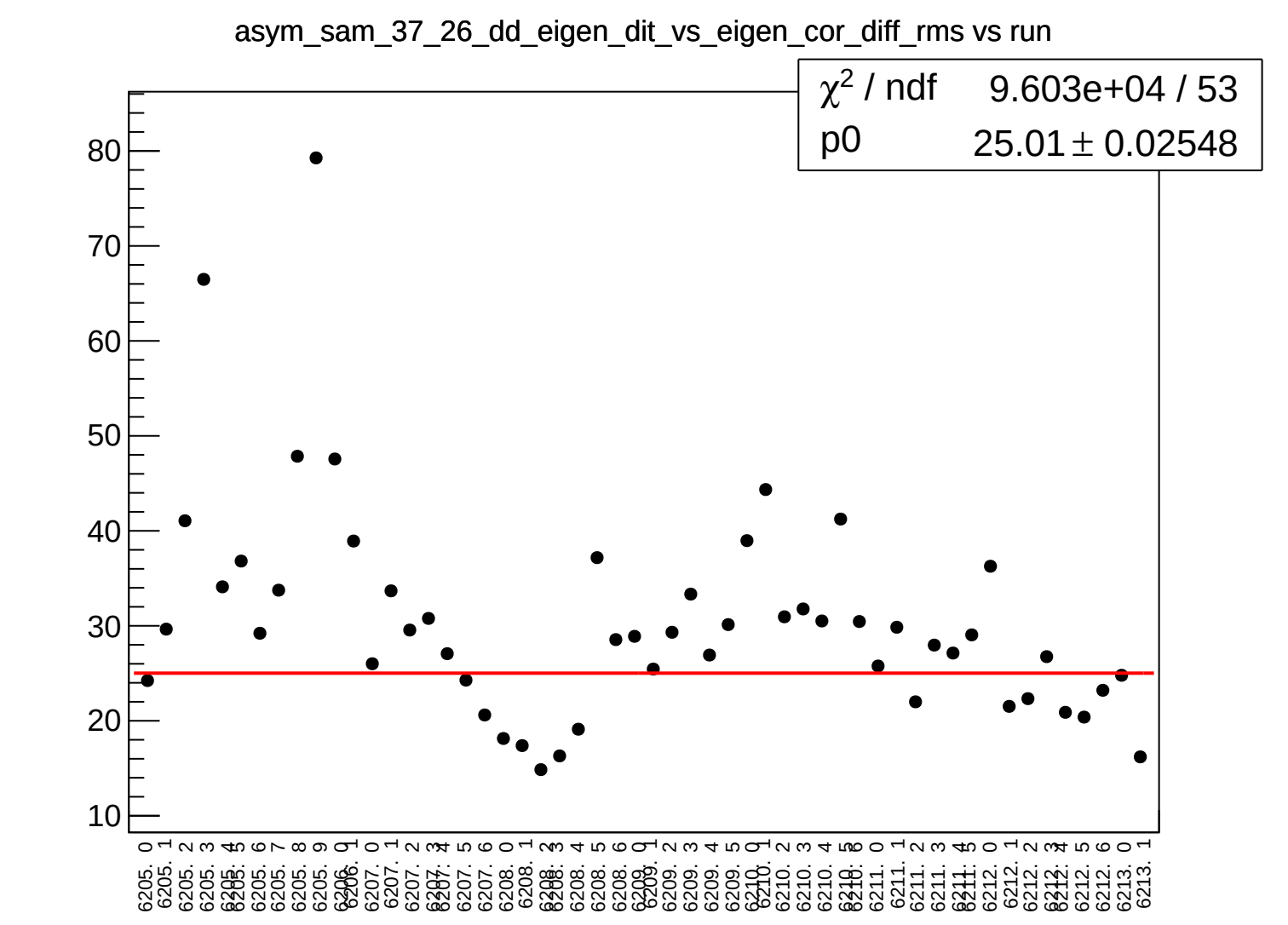

asym_sam_37_26_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1856 / 53
p0 0.007287 ± 7.086e−06
0.0084
0.0082
0.008
0.0078
0.0076
0.0074
0.0072
0.007
0.0068
0.0066
0.0064
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

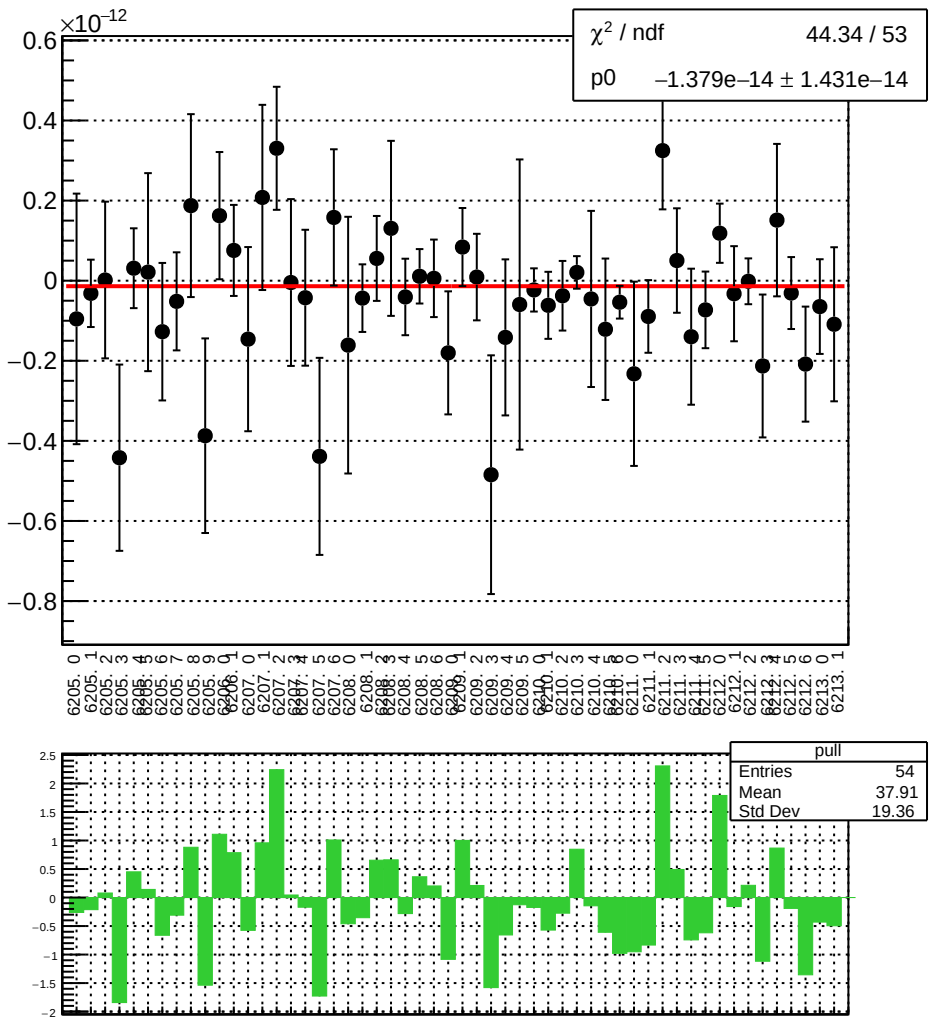

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 36.09 / 53
p0 −0.003007 ± 0.03604
pull
Entries 54
Mean −38.06
Std Dev 0
pull1D
Entries 54
Mean −0.01226
Std Dev 0.8174

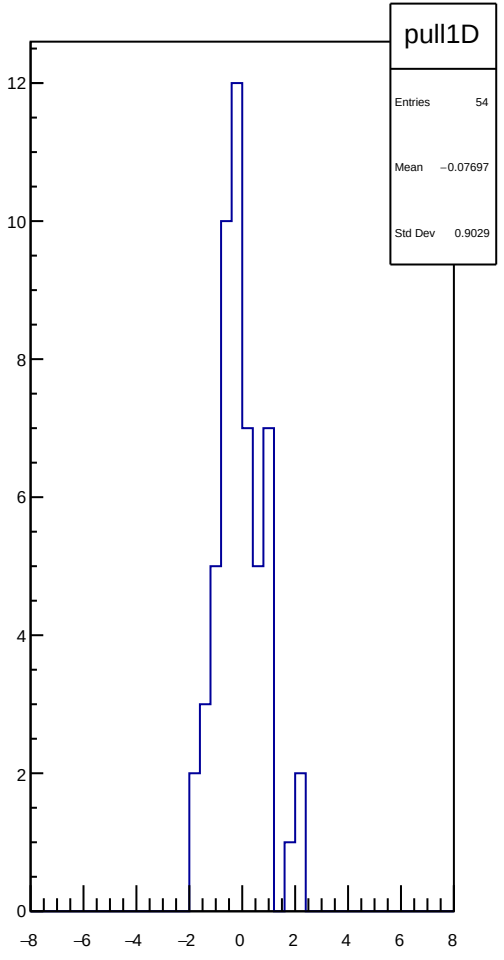

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_rms vs run
χ^2 / ndf 9.603e+04 / 53
p0 25.01 ± 0.02548
80
70
60
50
40
30
20
10
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 1
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

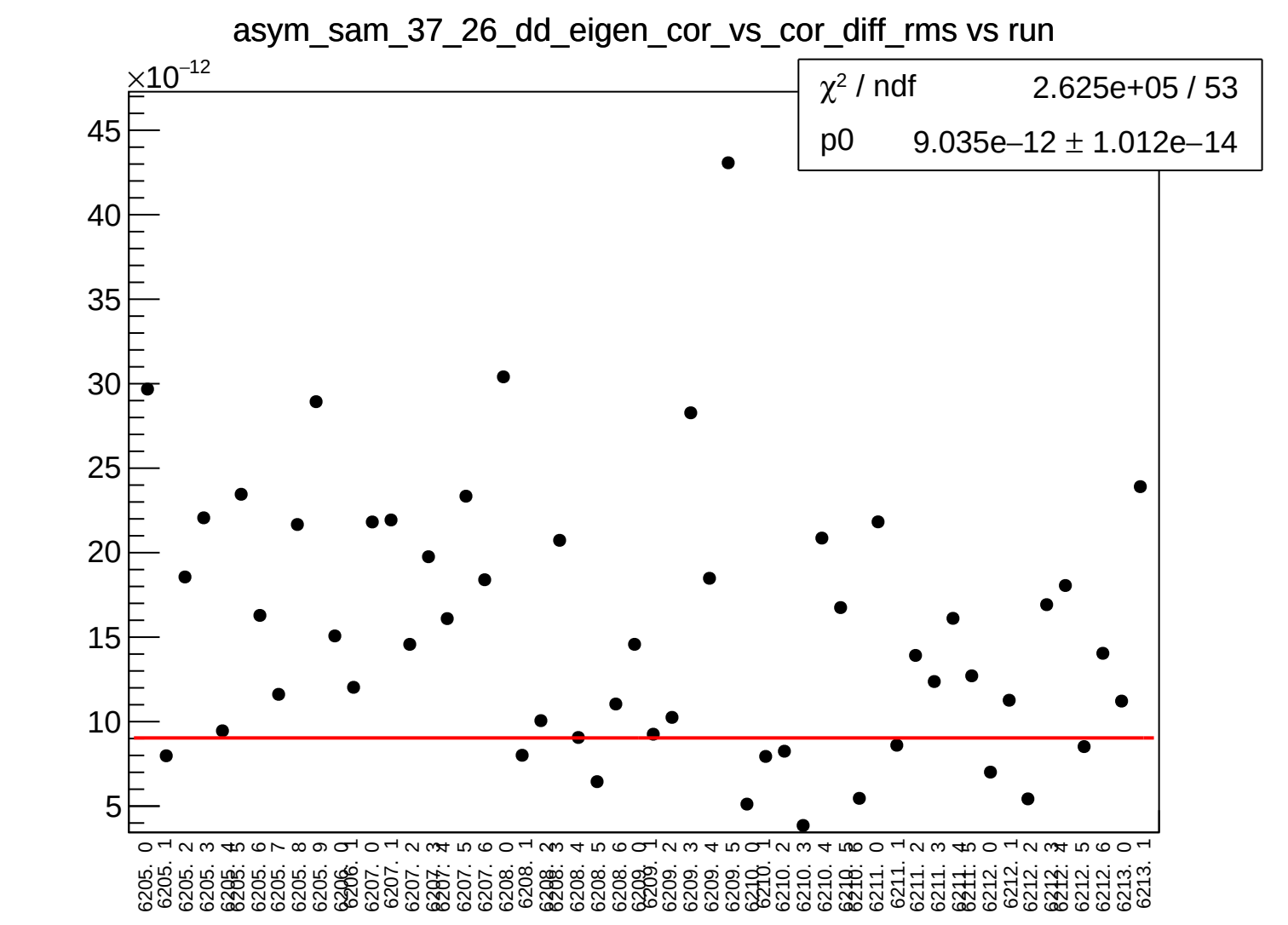

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 36.09 / 53
p0 −0.003007 ± 0.03604
pull
Entries 54
Mean −38.06
Std Dev 0

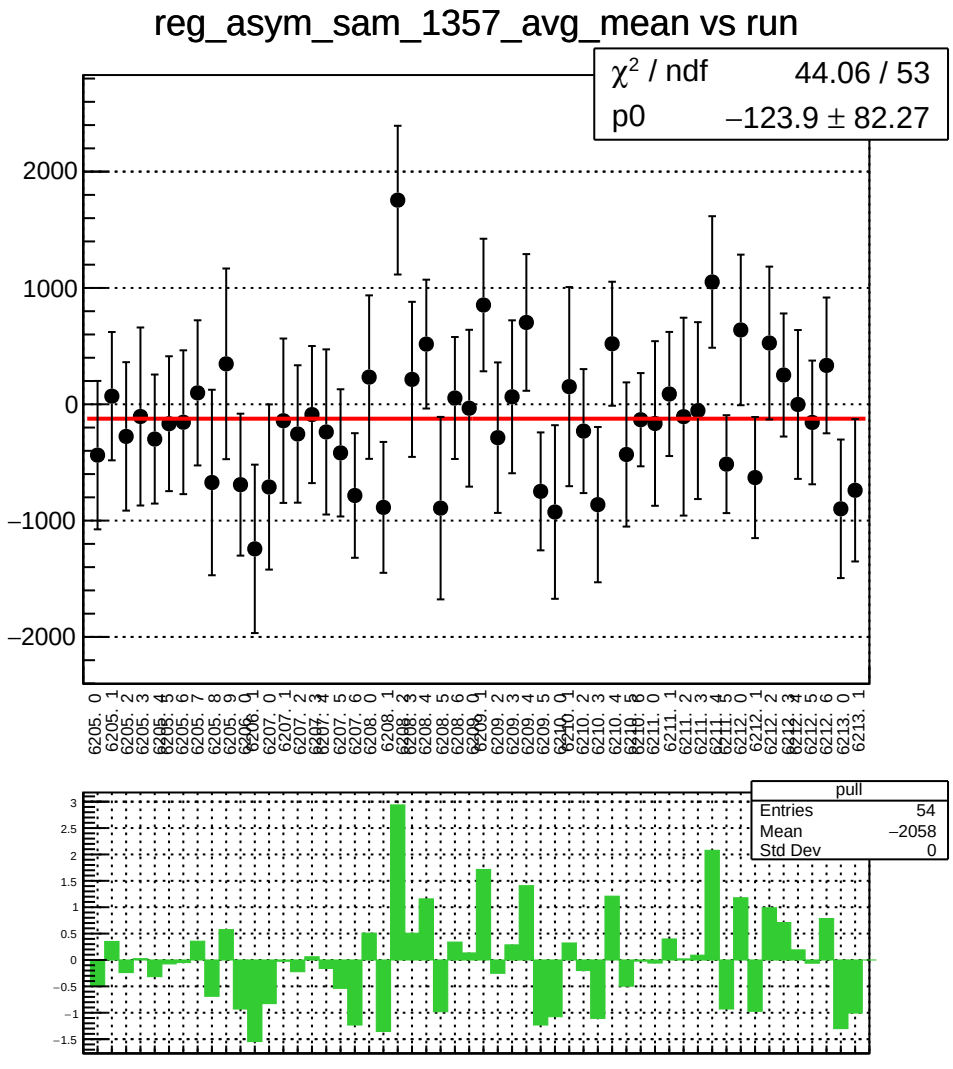

pull1D
Entries 54
Mean −0.01226
Std Dev 0.8174

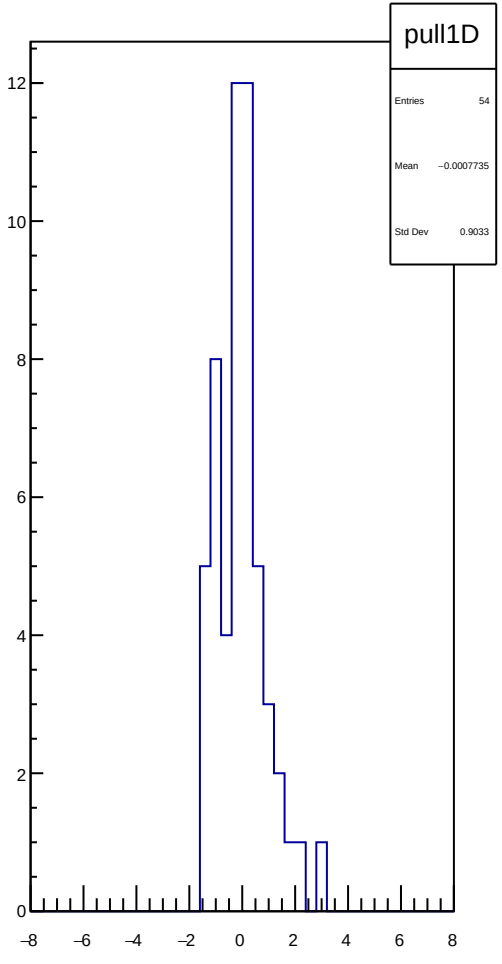

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 9.603e+04 / 53
p0 25.01 ± 0.02548
80
70
60
50
40
30
20
10
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

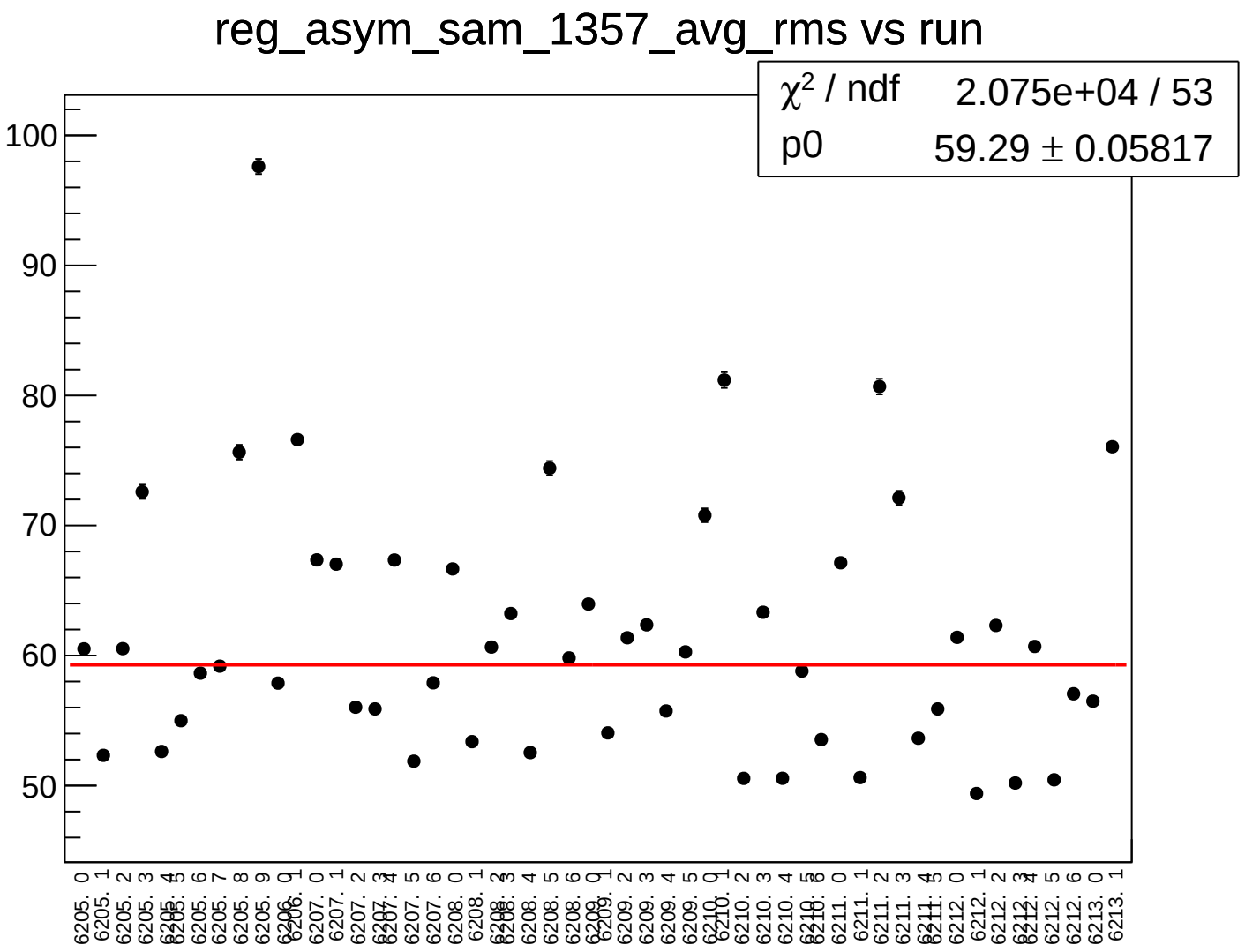

asym_sam_37_26_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 44.34 / 53
p0 −1.379e−14 ± 1.431e−14
pull
Entries 54
Mean 37.91
Std Dev 19.36

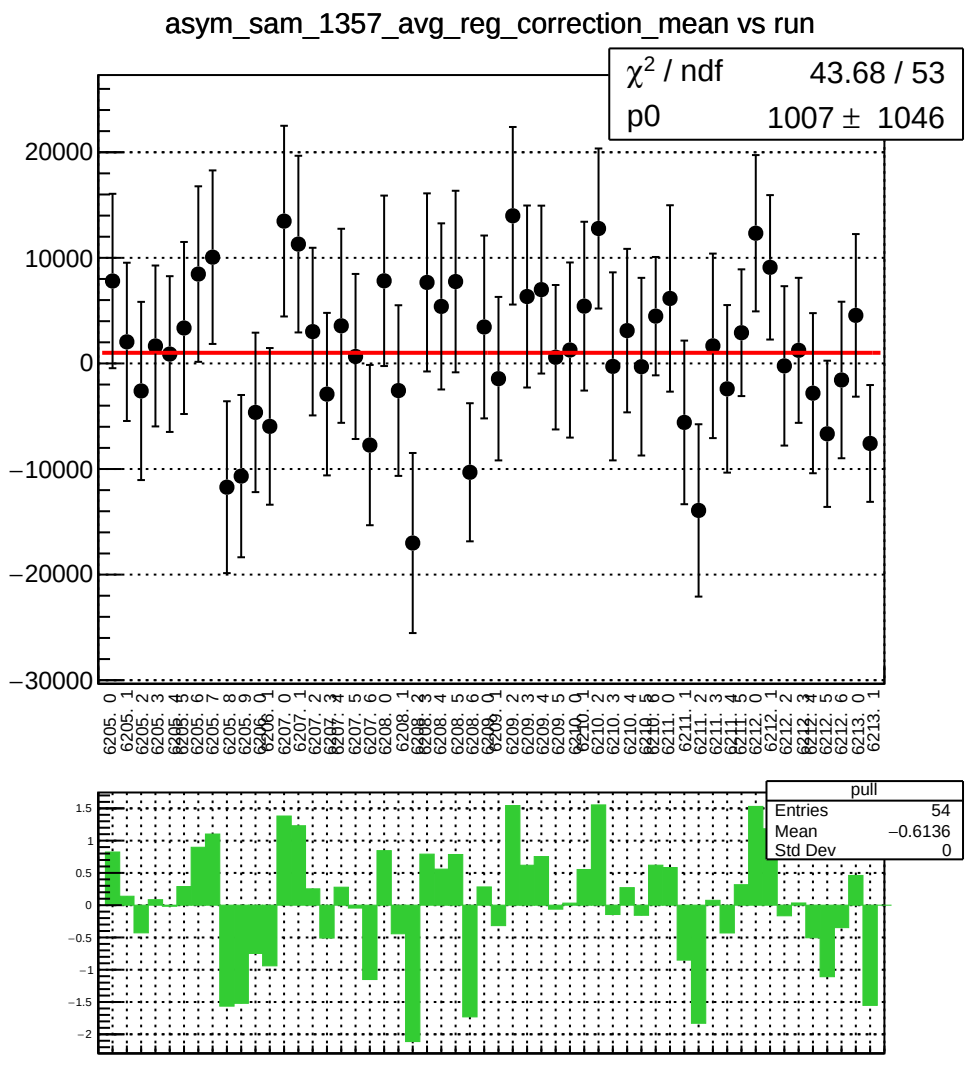

pull1D
Entries 54
Mean −0.07697
Std Dev 0.9029

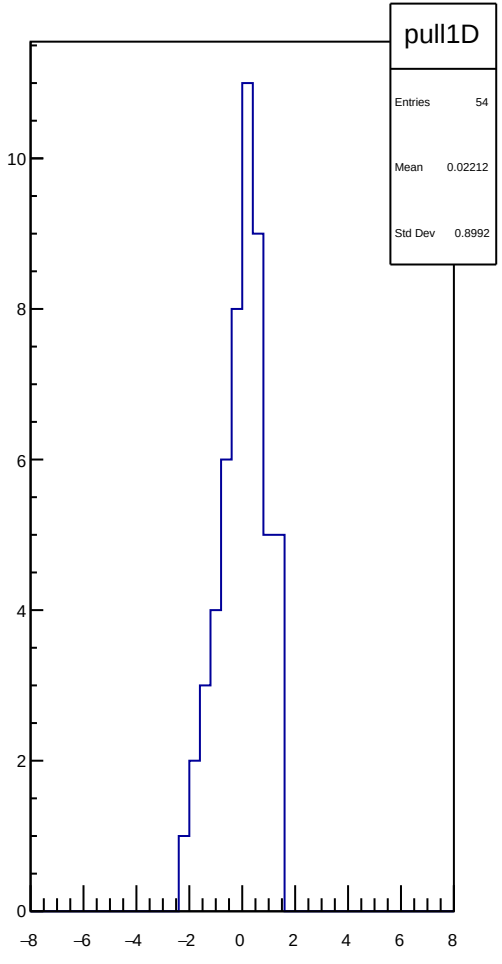

asym_sam_37_26_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 2.625e+05 / 53
p0 9.035e−12 ± 1.012e−14
45
40
35
30
25
20
15
10
5
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

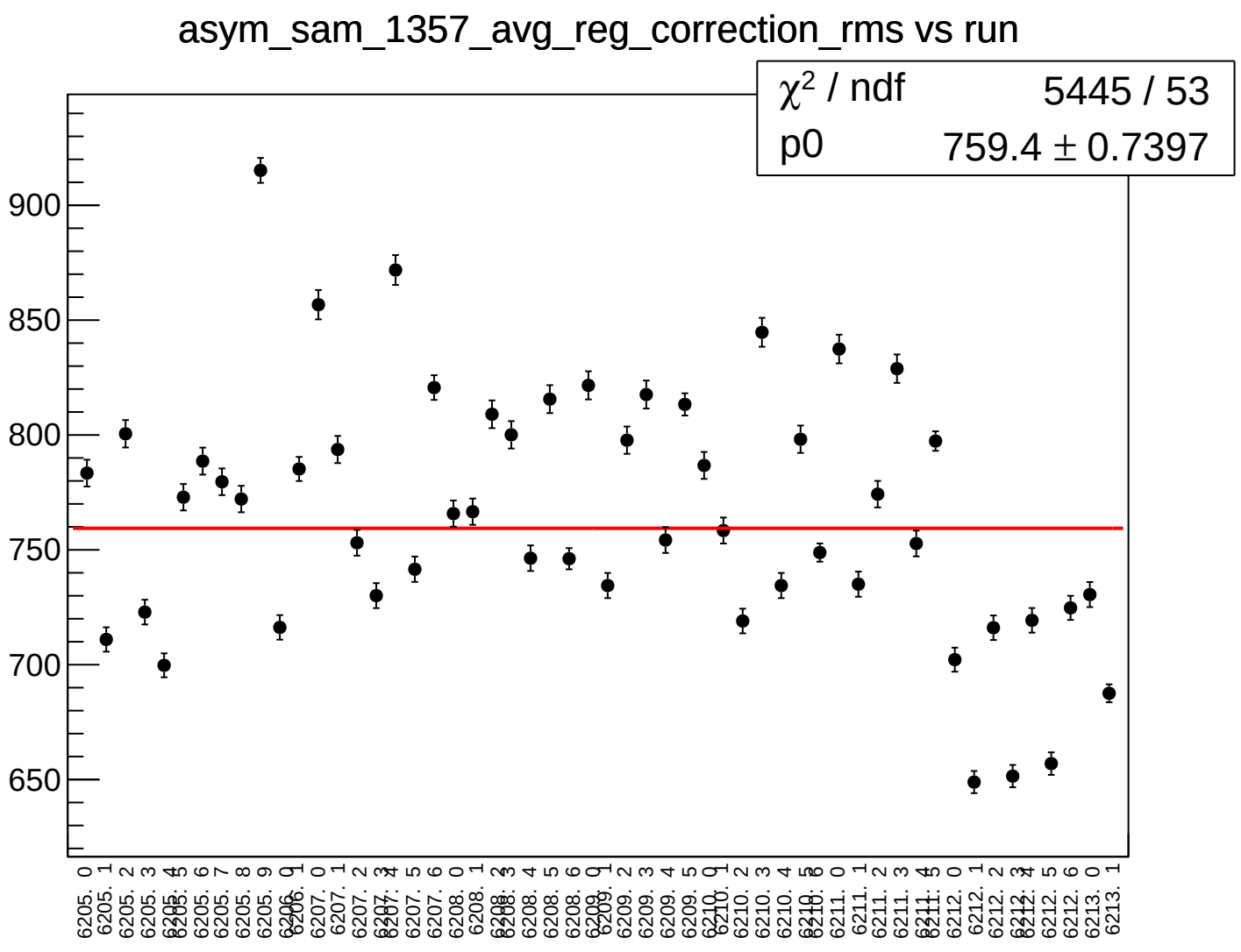

reg_asym_sam_1357_avg_mean vs run
χ² / ndf 44.06 / 53
p0 −123.9 ± 82.27
pull
Entries 54
Mean −2058
Std Dev 0

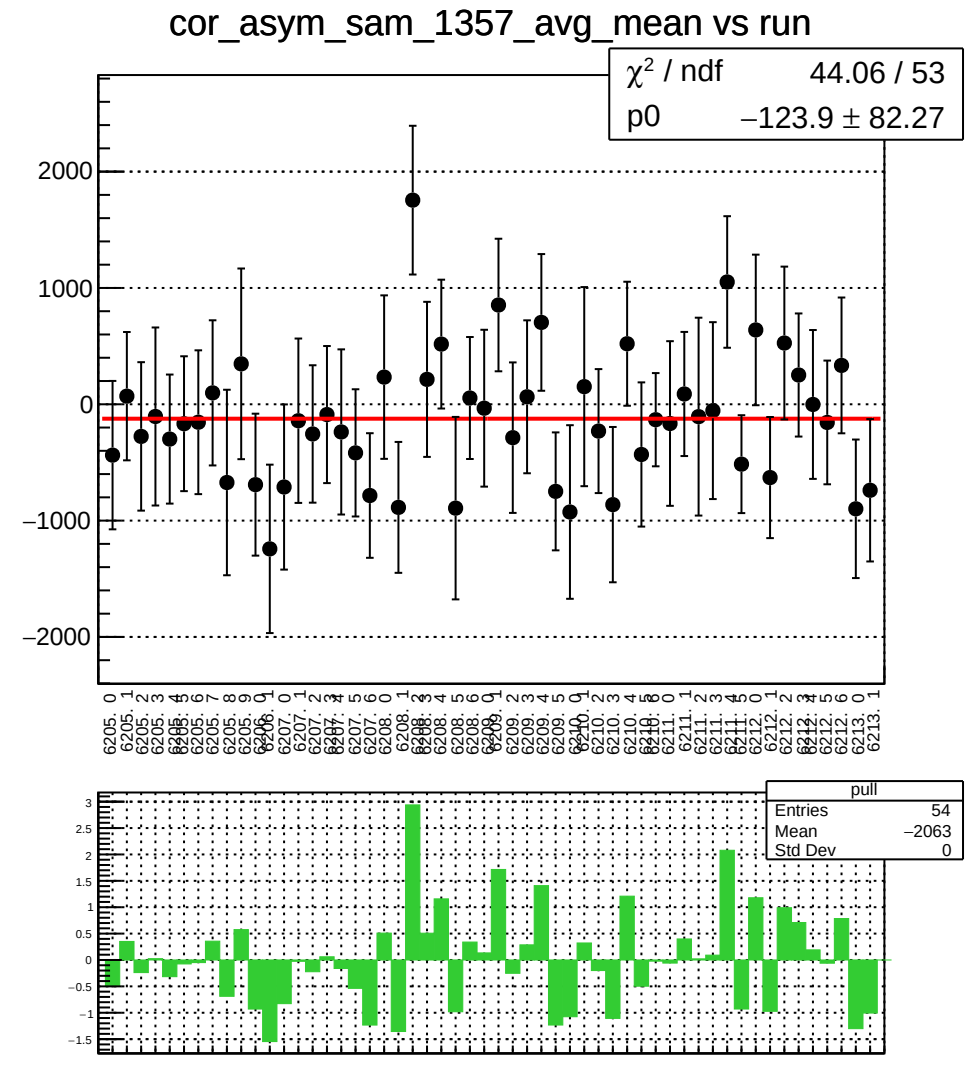

pull1D
Entries 54
Mean −0.0007735
Std Dev 0.9033

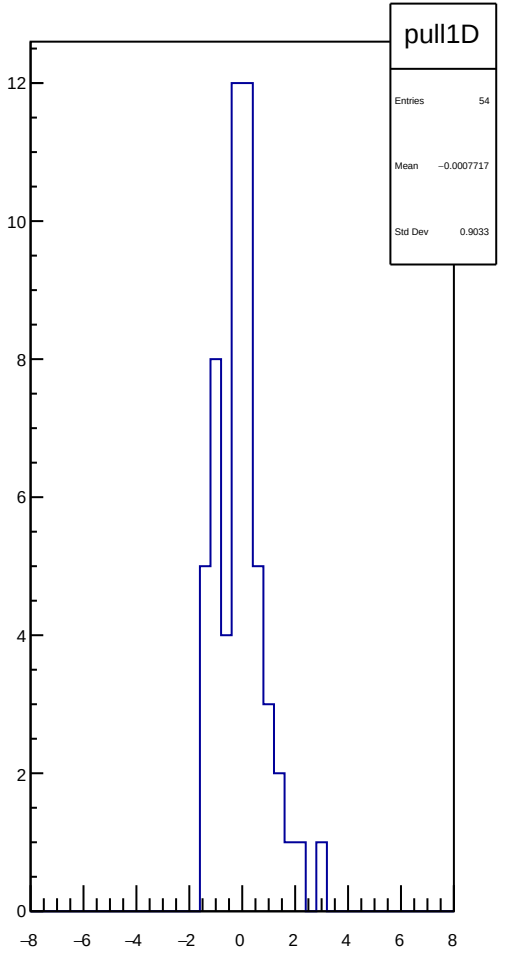

reg_asym_sam_1357_avg_rms vs run
χ² / ndf 2.075e+04 / 53
p0 59.29 ± 0.05817
100
90
80
70
60
50

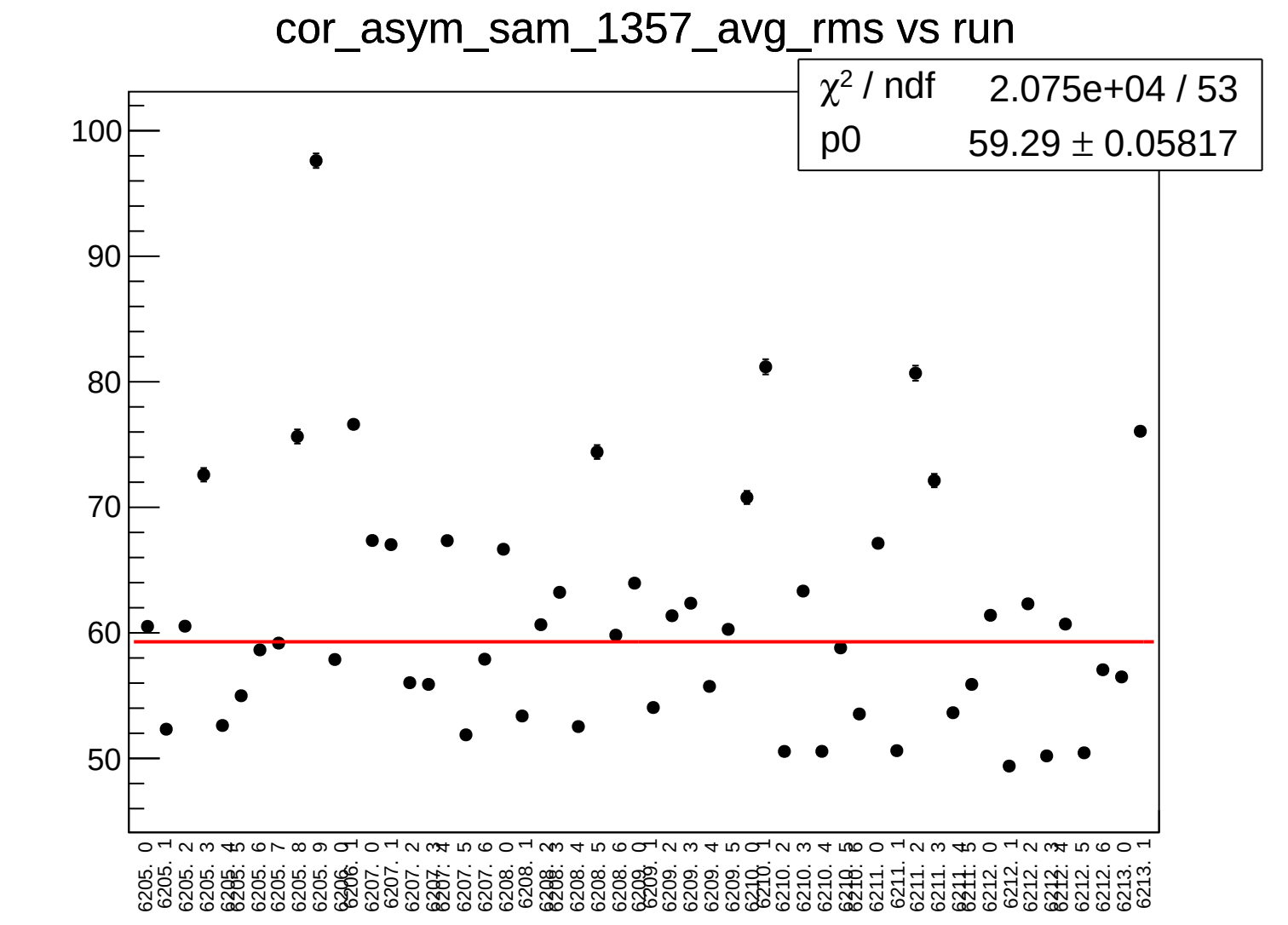

asym_sam_1357_avg_reg_correction_mean vs run
χ² / ndf 43.68 / 53
p0 1007 ± 1046
pull
Entries 54
Mean −0.6136
Std Dev 0

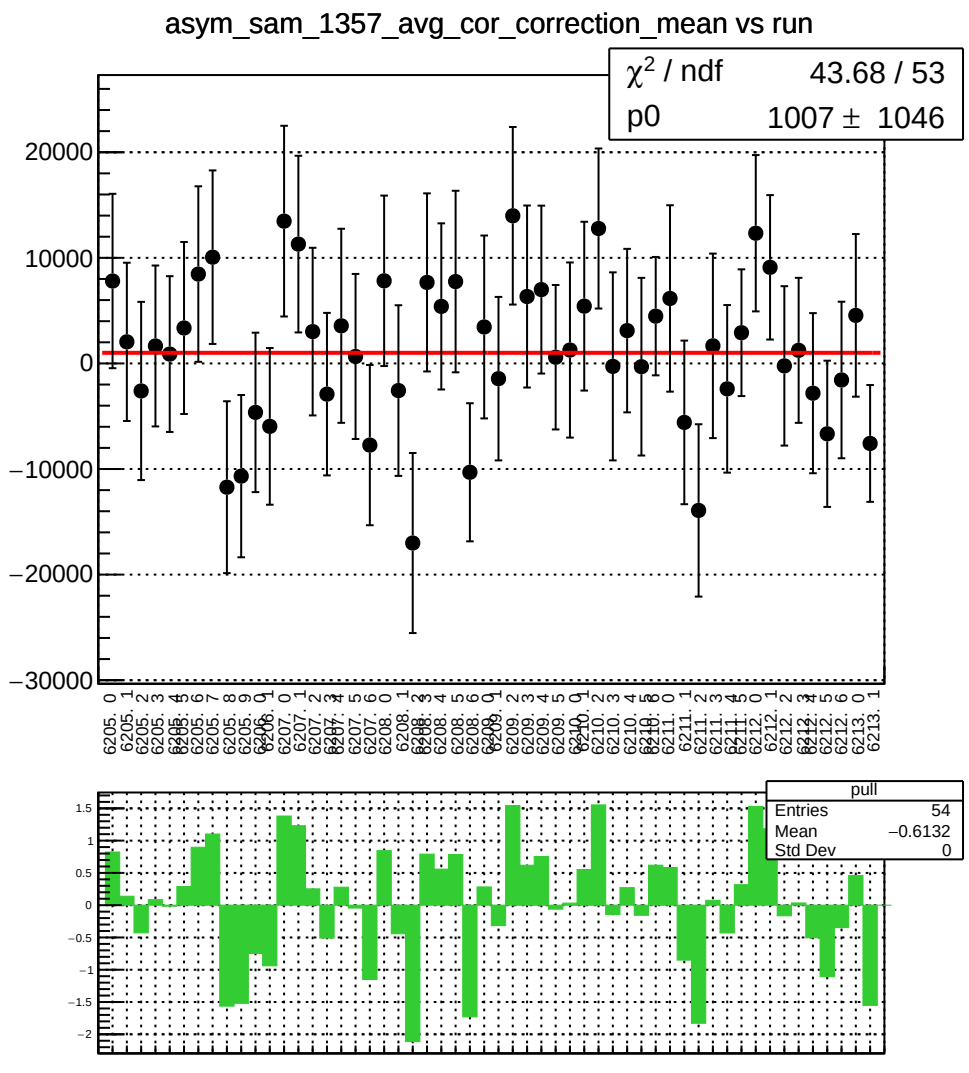

pull1D
Entries 54
Mean 0.02212
Std Dev 0.8992

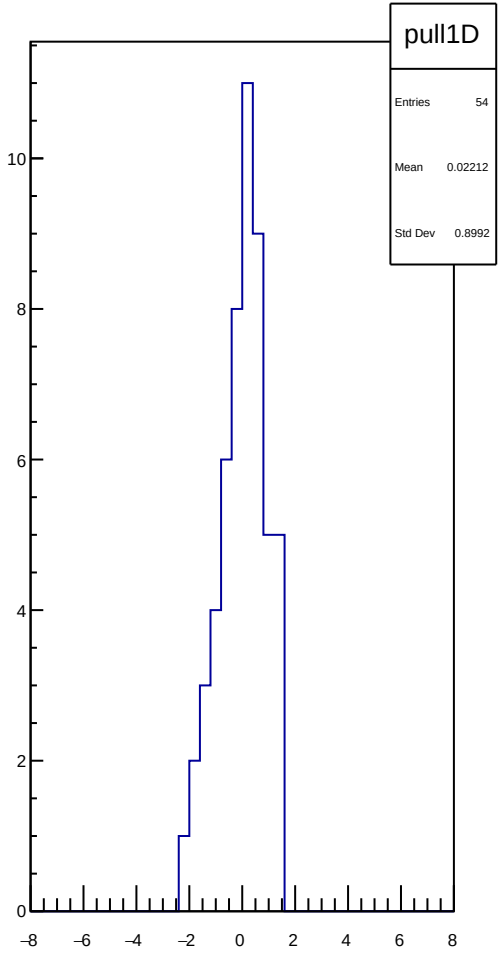

asym_sam_1357_avg_reg_correction_rms vs run
χ² / ndf 5445 / 53
p0 759.4 ± 0.7397
900
850
800
750
700
650
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

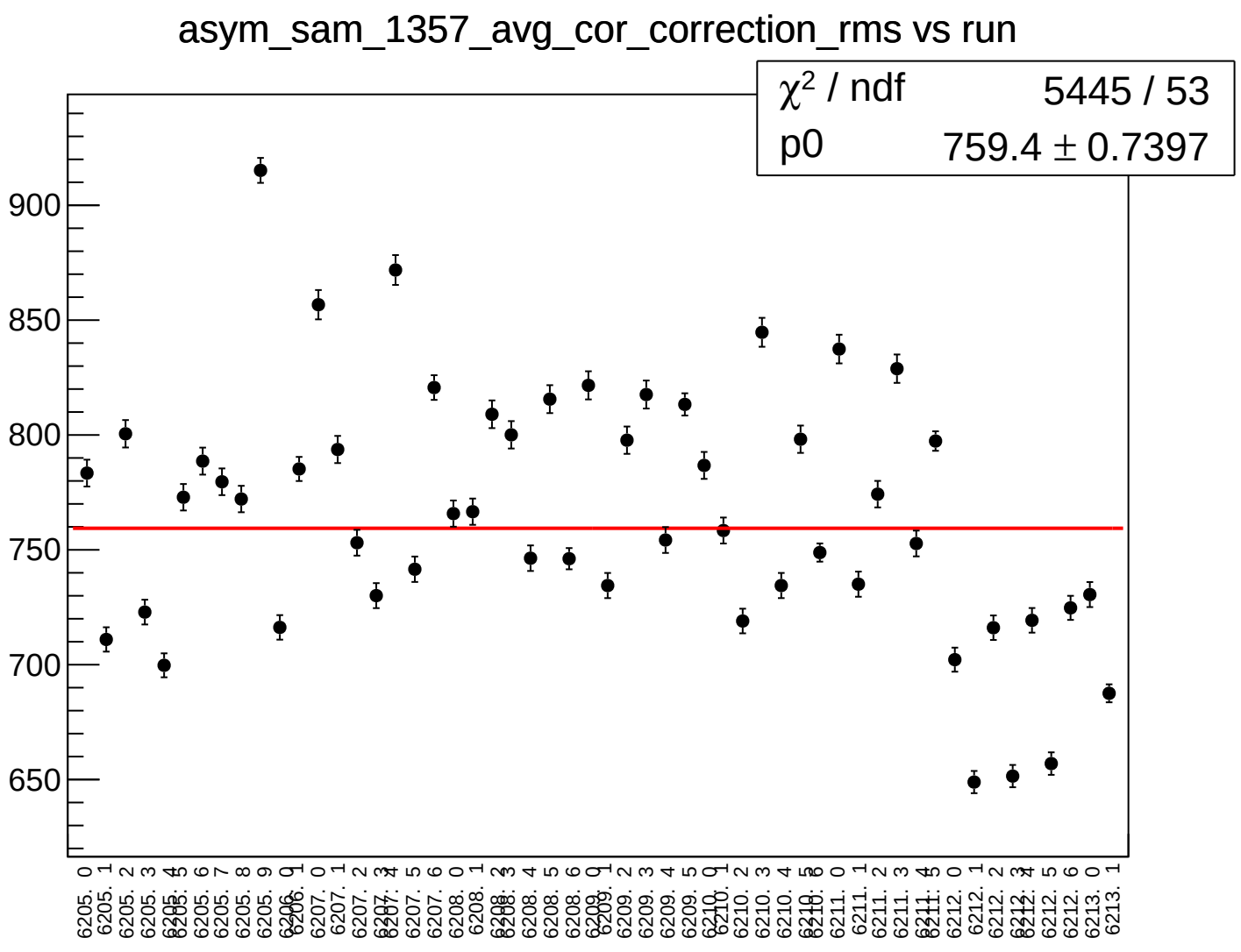

cor_asym_sam_1357_avg_mean vs run
χ² / ndf 44.06 / 53
p0 −123.9 ± 82.27
2000
1000
0
−1000
−2000
pull
Entries 54
Mean −2063
Std Dev 0
3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

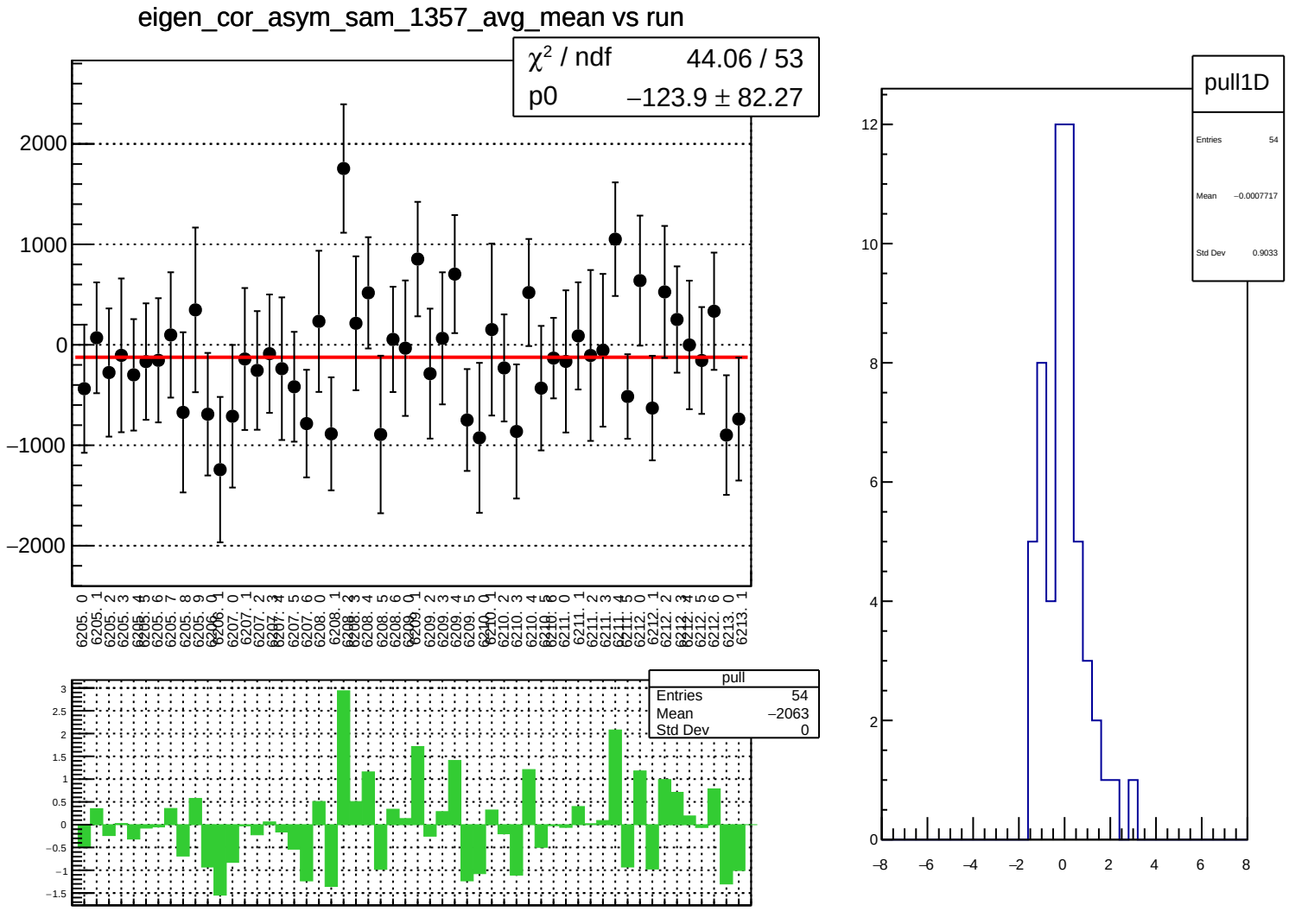

pull1D
Entries 54
Mean −0.0007717
Std Dev 0.9033
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

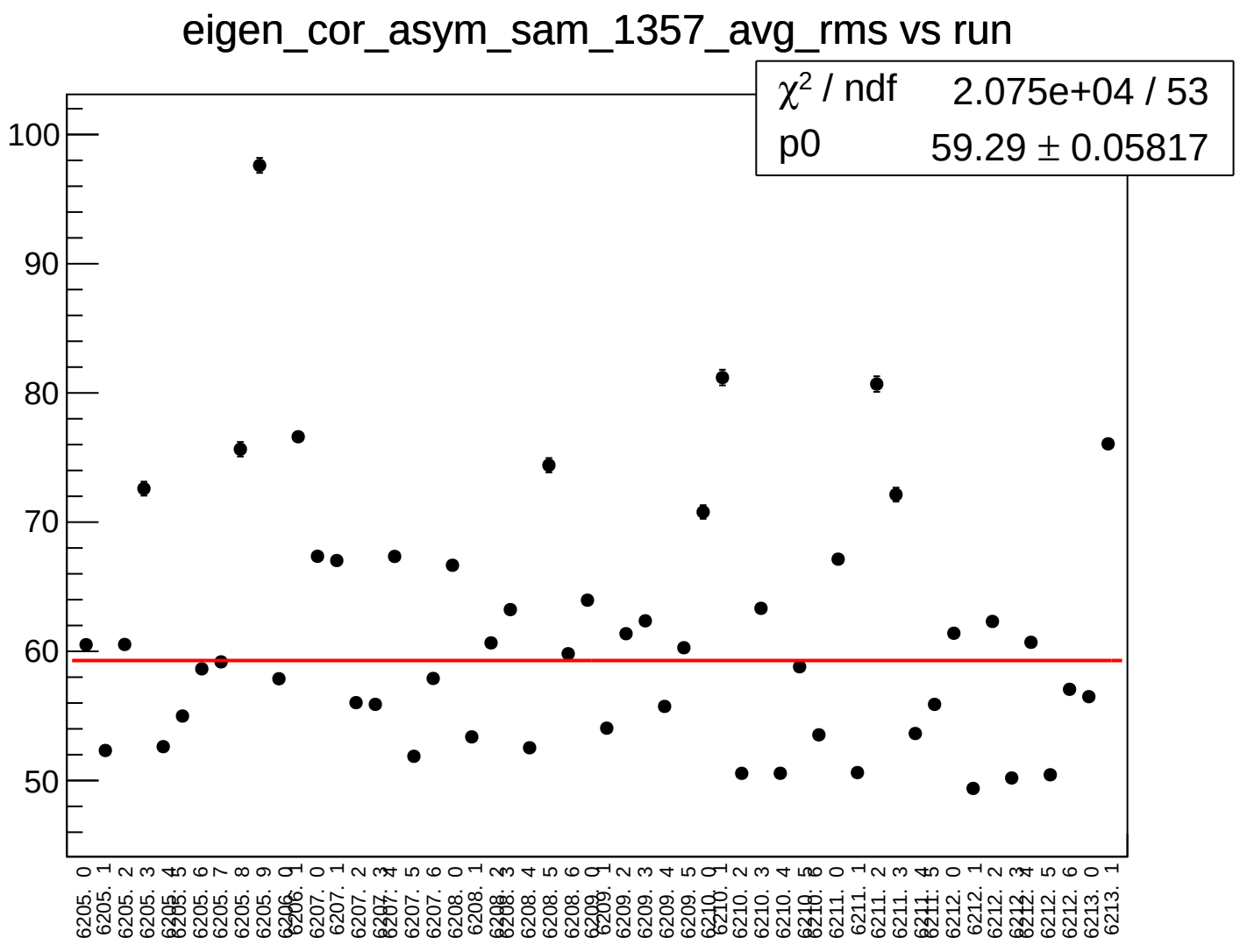

cor_asym_sam_1357_avg_rms vs run
χ² / ndf 2.075e+04 / 53
p0 59.29 ± 0.05817
100
90
80
70
60
50
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

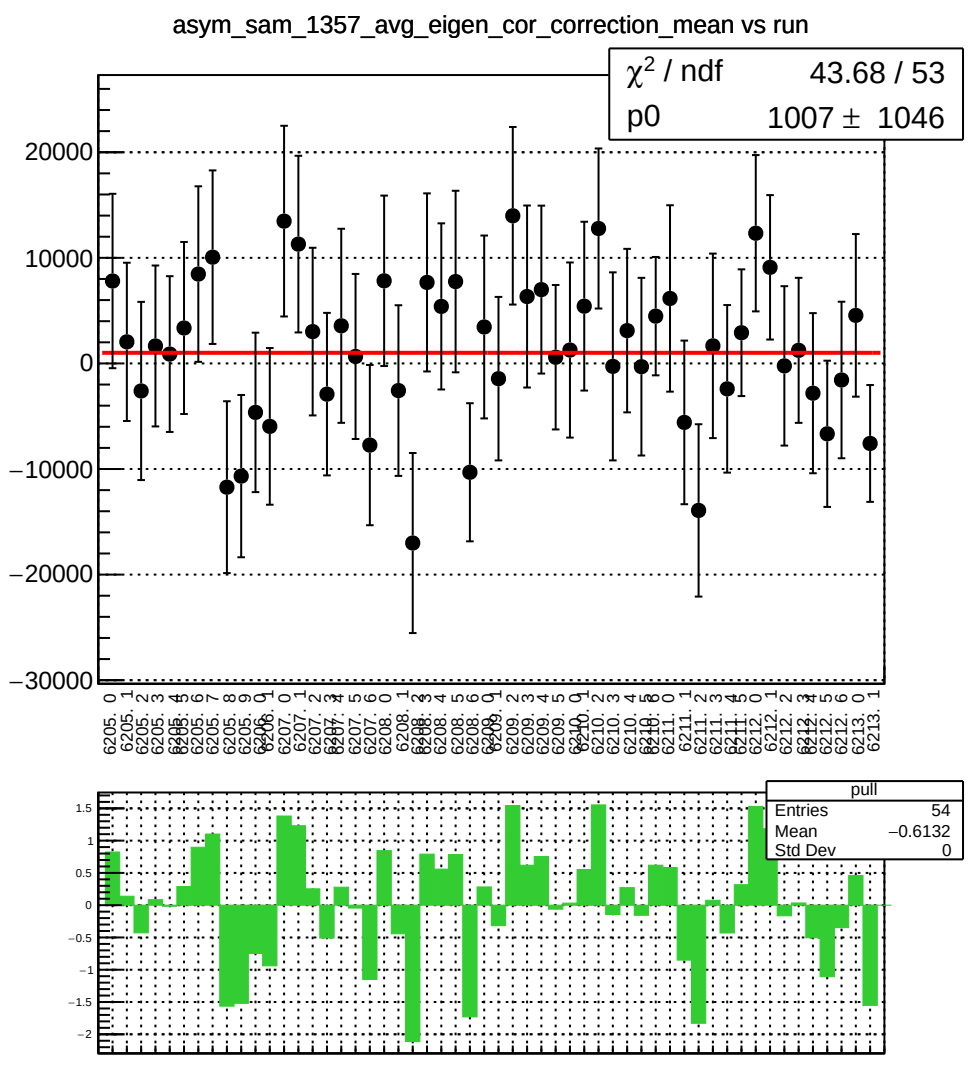

asym_sam_1357_avg_cor_correction_mean vs run
χ² / ndf 43.68 / 53
p0 1007 ± 1046
20000
10000
0
−10000
−20000
−30000
pull
Entries 54
Mean −0.6132
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

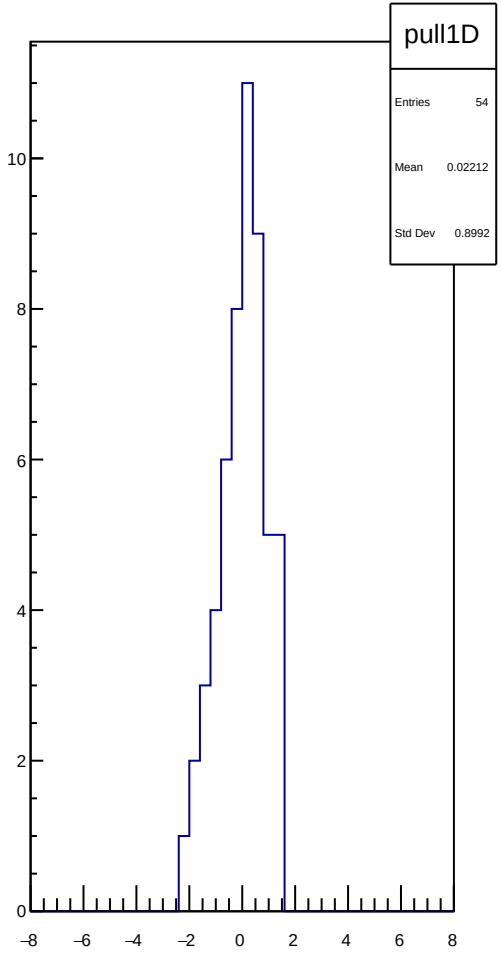

pull1D
Entries 54
Mean 0.02212
Std Dev 0.8992
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

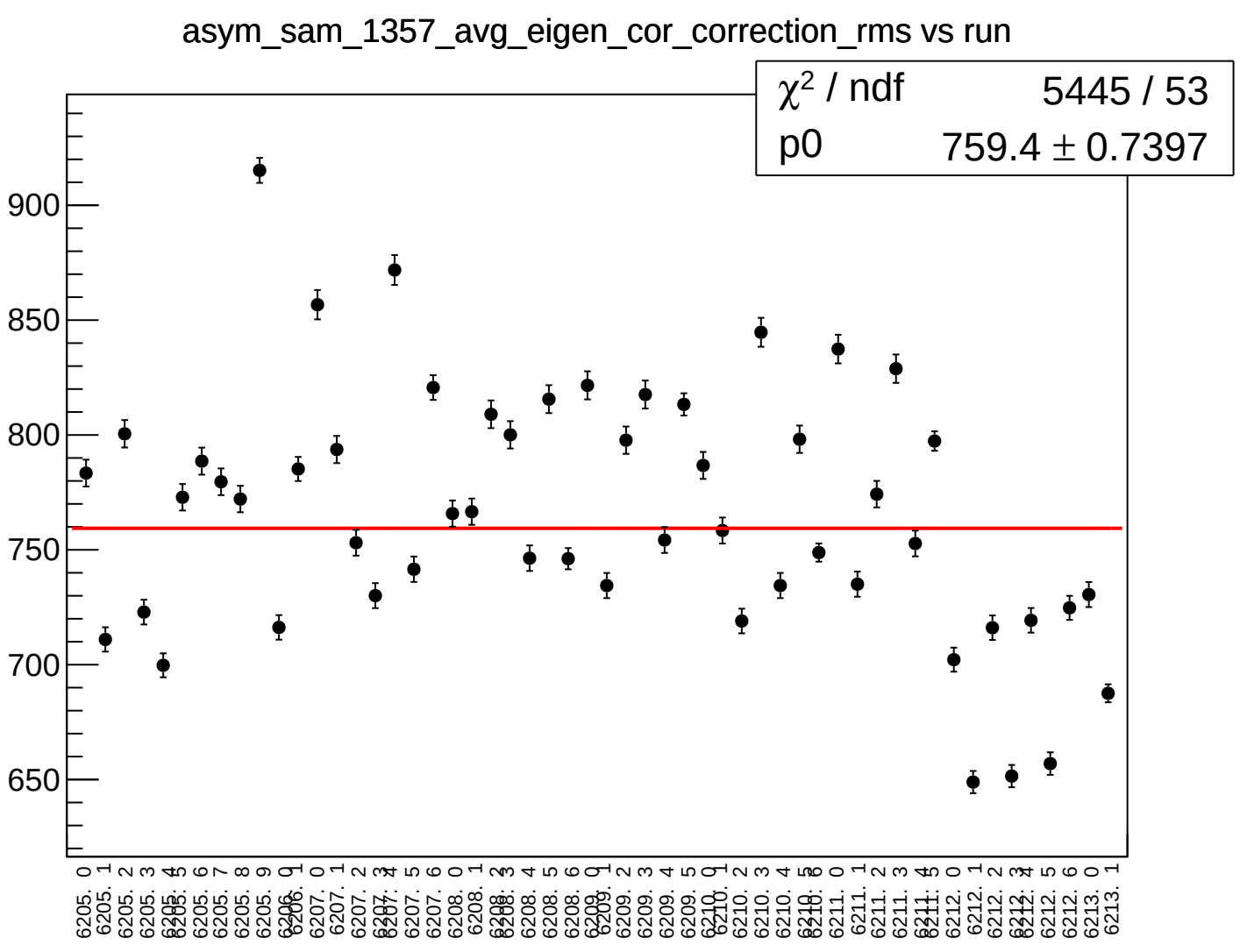

asym_sam_1357_avg_cor_correction_rms vs run
χ² / ndf 5445 / 53
p0 759.4 ± 0.7397
900
850
800
750
700
650
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

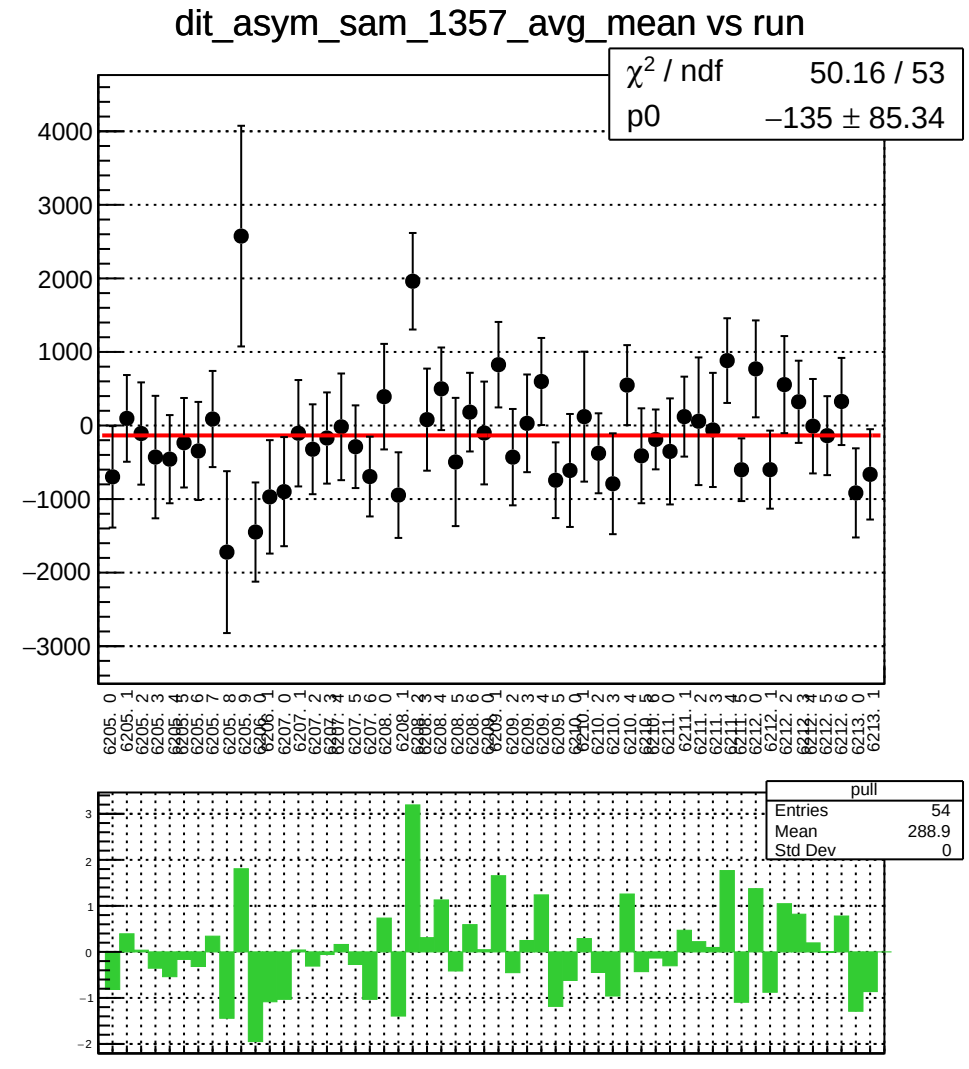

eigen_cor_asym_sam_1357_avg_mean vs run
χ² / ndf 44.06 / 53
p0 −123.9 ± 82.27
2000
1000
0
−1000
−2000
pull
Entries 54
Mean −2063
Std Dev 0
3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 54
Mean −0.0007717
Std Dev 0.9033
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

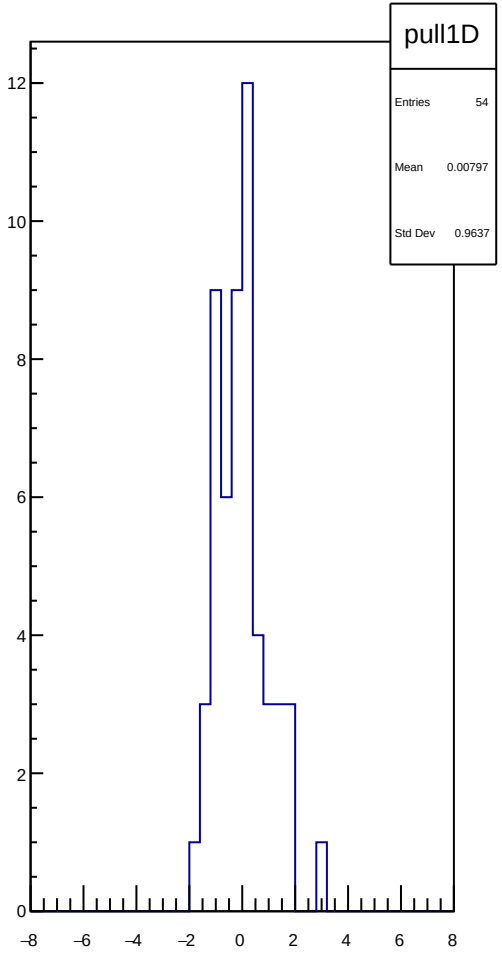

eigen_cor_asym_sam_1357_avg_rms vs run
χ^2 / ndf 2.075e+04 / 53
p0 59.29 ± 0.05817
100
90
80
70
60
50
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

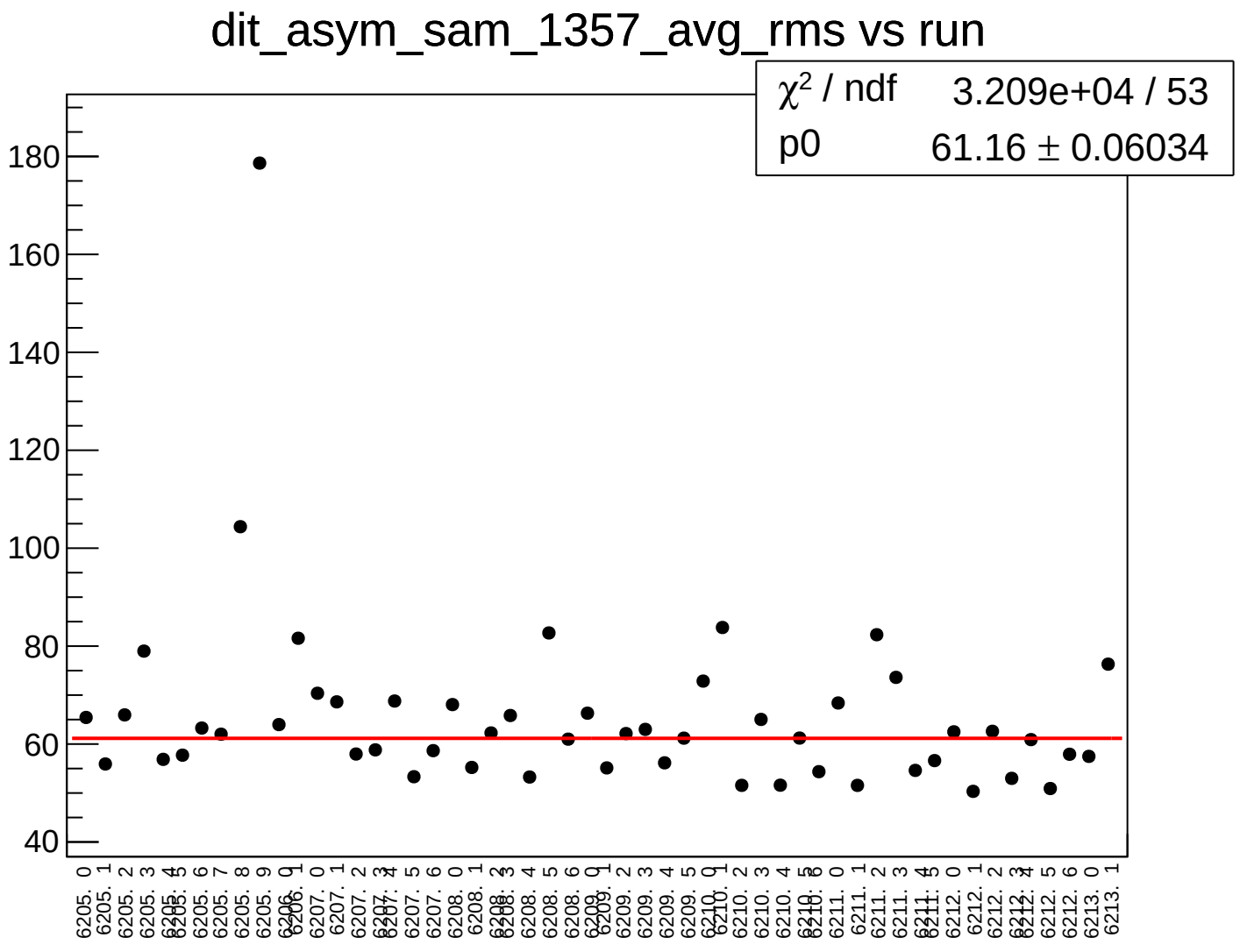

asym_sam_1357_avg_eigen_cor_correction_mean vs run
χ² / ndf 43.68 / 53
p0 1007 ± 1046
pull
Entries 54
Mean −0.6132
Std Dev 0

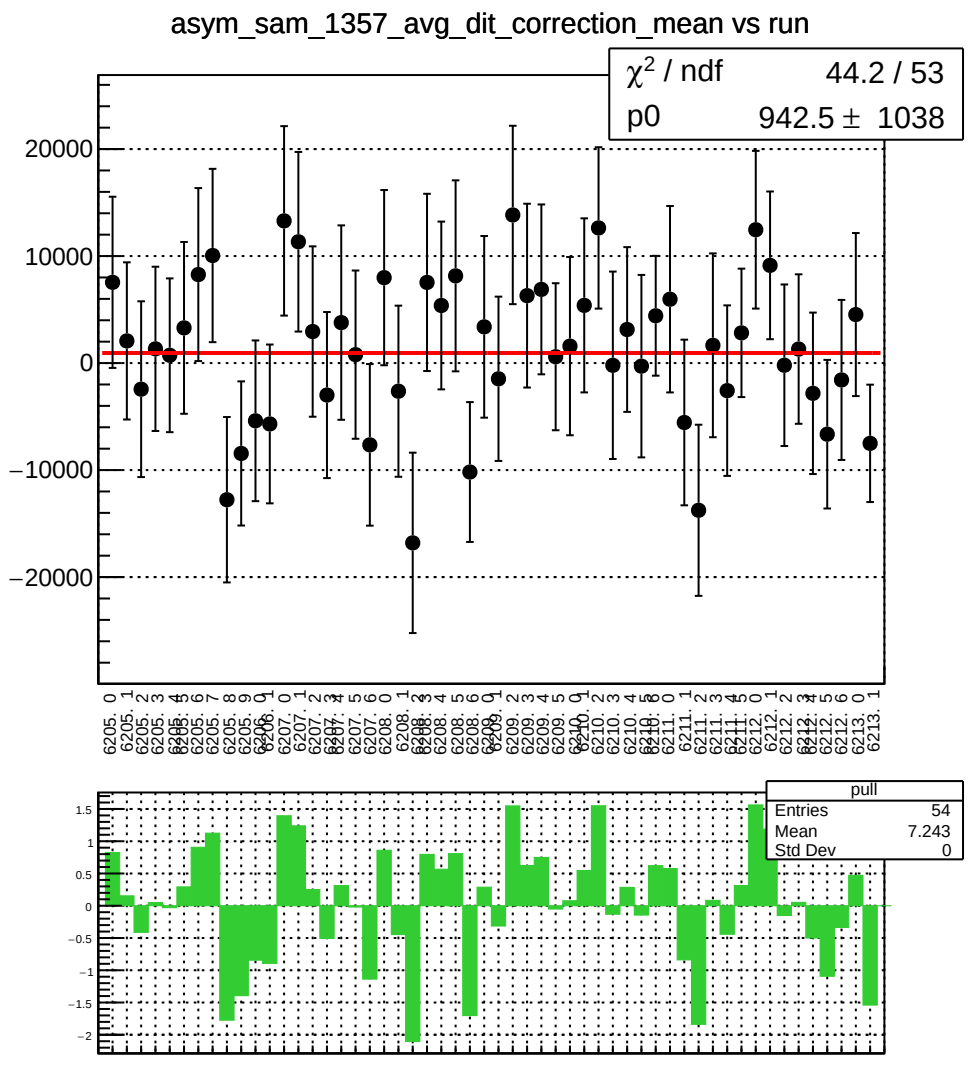

pull1D
Entries 54
Mean 0.02212
Std Dev 0.8992

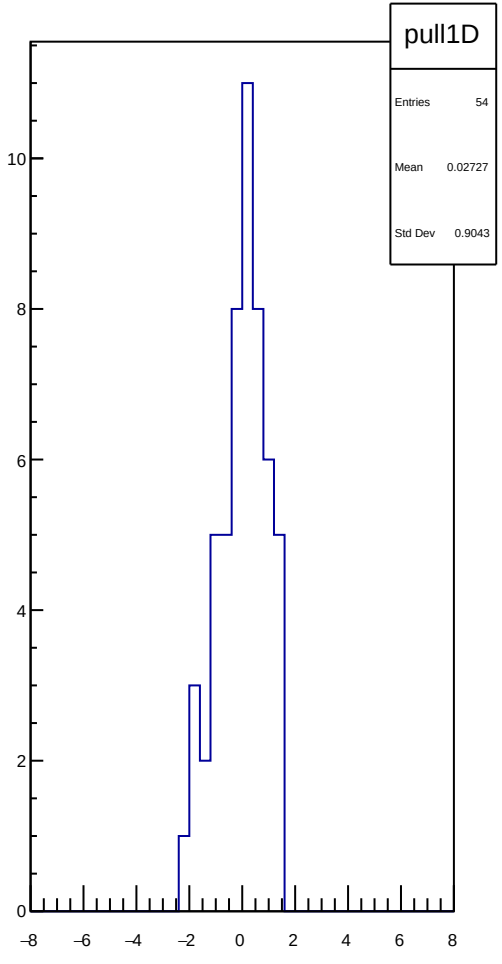

asym_sam_1357_avg_eigen_cor_correction_rms vs run
χ² / ndf 5445 / 53
p0 759.4 ± 0.7397
900
850
800
750
700
650
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

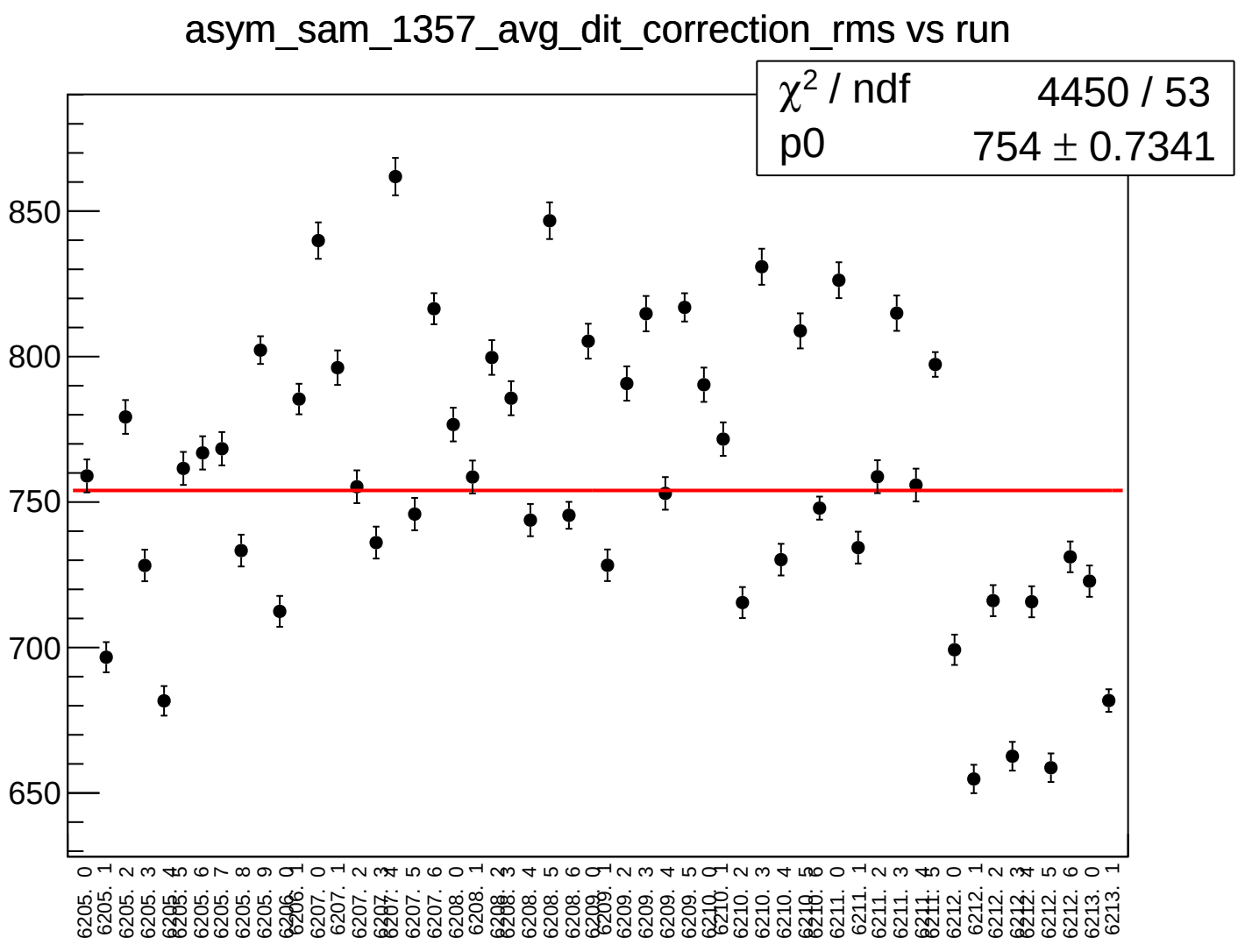

dit_asym_sam_1357_avg_mean vs run
χ² / ndf 50.16 / 53
p0 −135 ± 85.34
pull
Entries 54
Mean 288.9
Std Dev 0

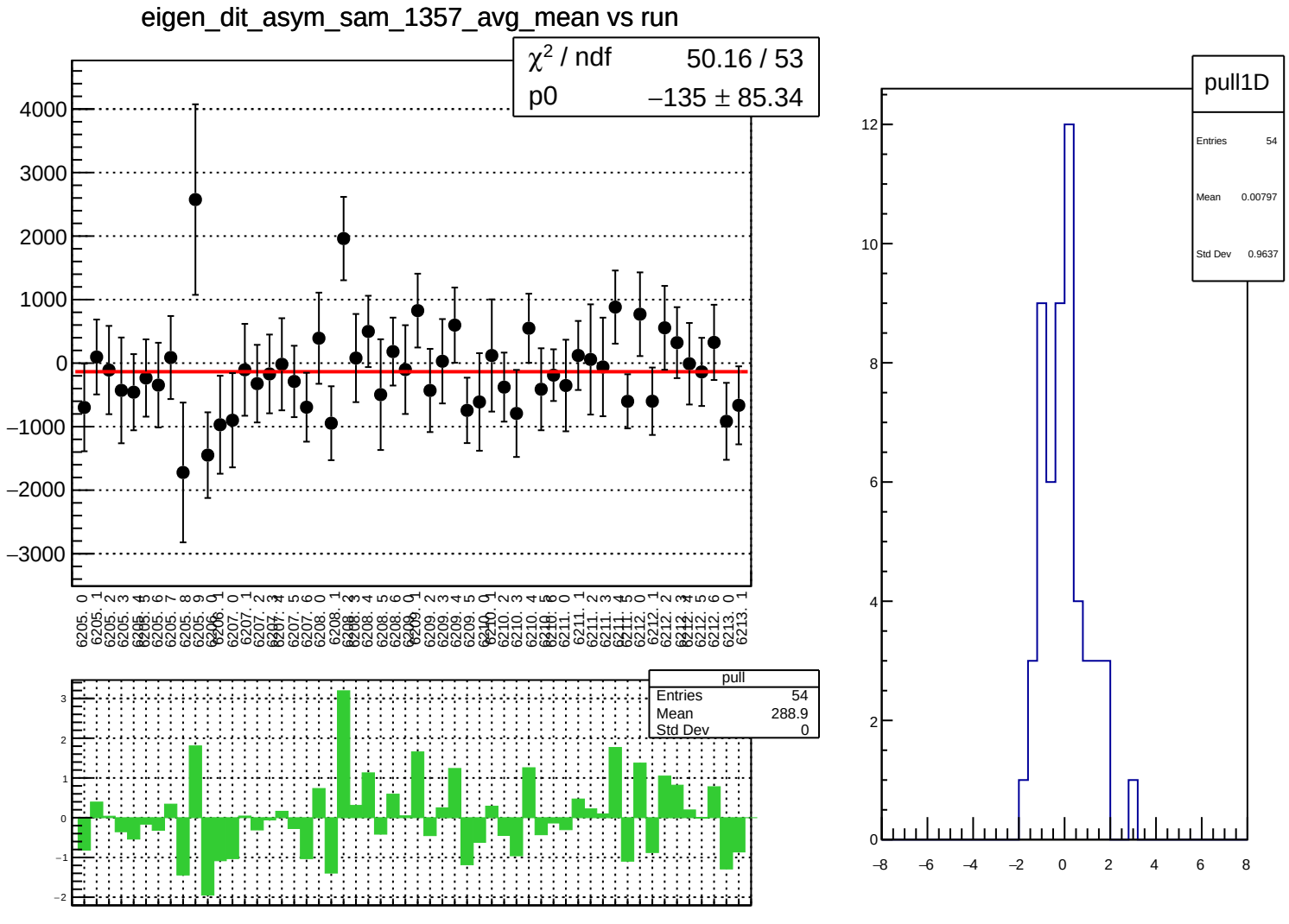

pull1D
Entries 54
Mean 0.00797
Std Dev 0.9637

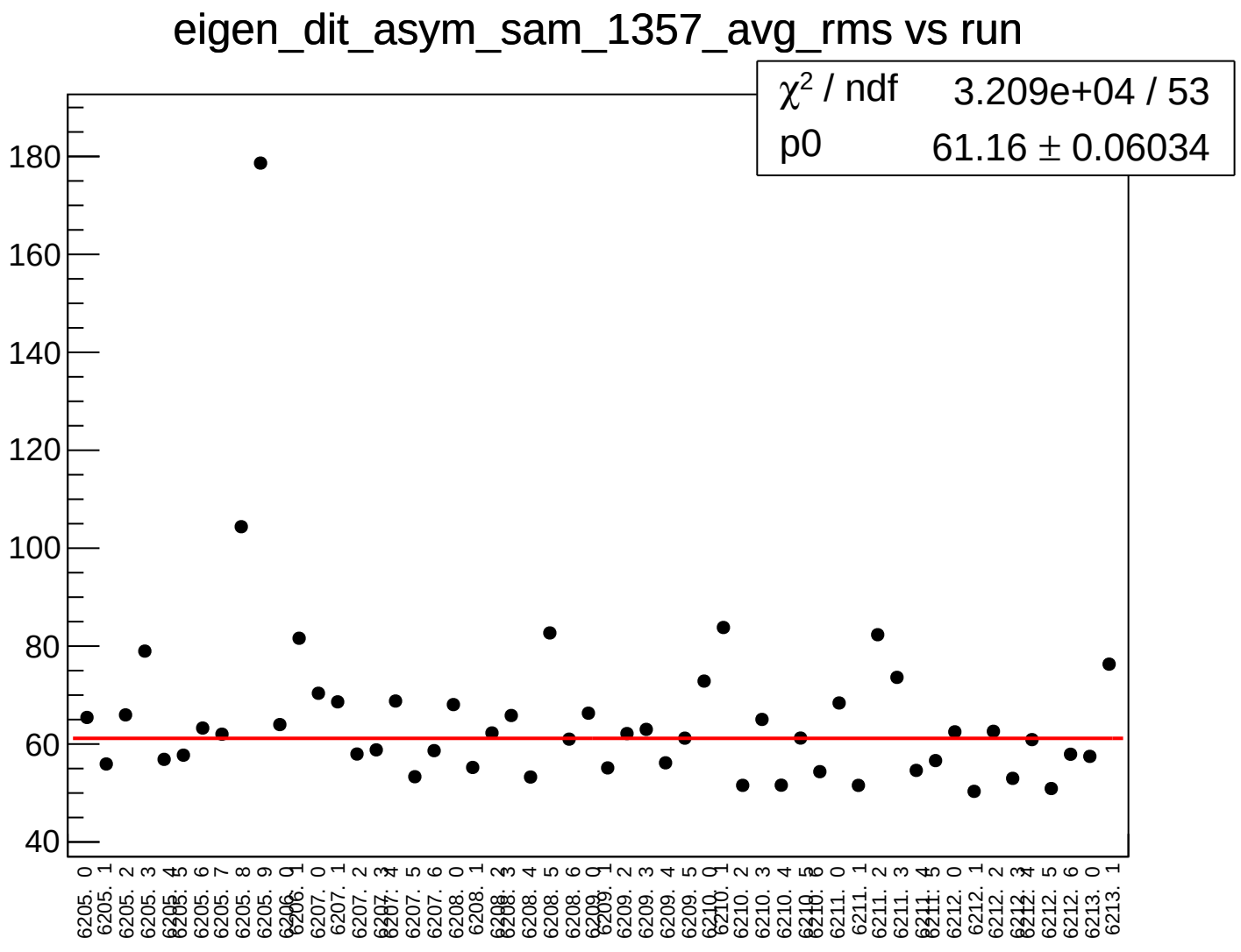

dit_asym_sam_1357_avg_rms vs run
χ² / ndf 3.209e+04 / 53
p0 61.16 ± 0.06034
180
160
140
120
100
80
60
40
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

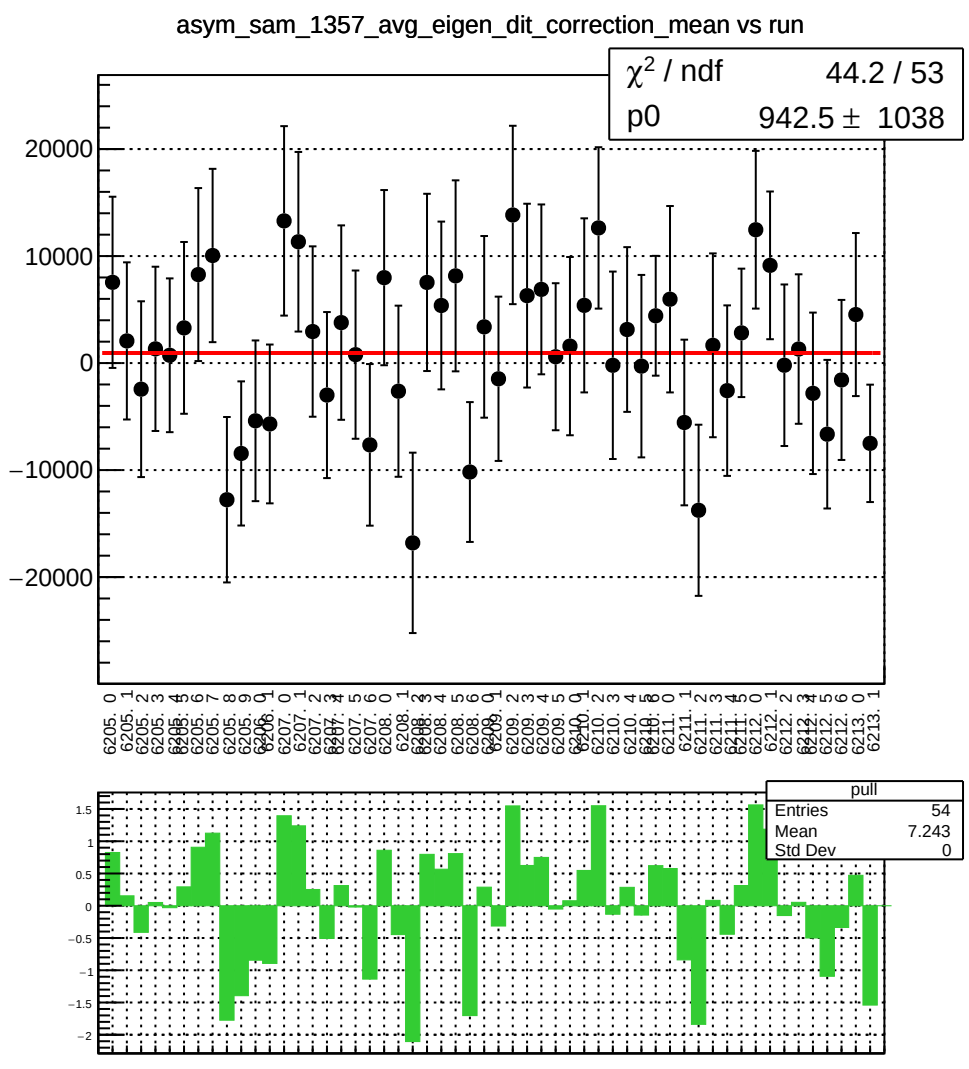

asym_sam_1357_avg_dit_correction_mean vs run
χ² / ndf 44.2 / 53
p0 942.5 ± 1038
20000
10000
0
−10000
−20000
pull
Entries 54
Mean 7.243
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

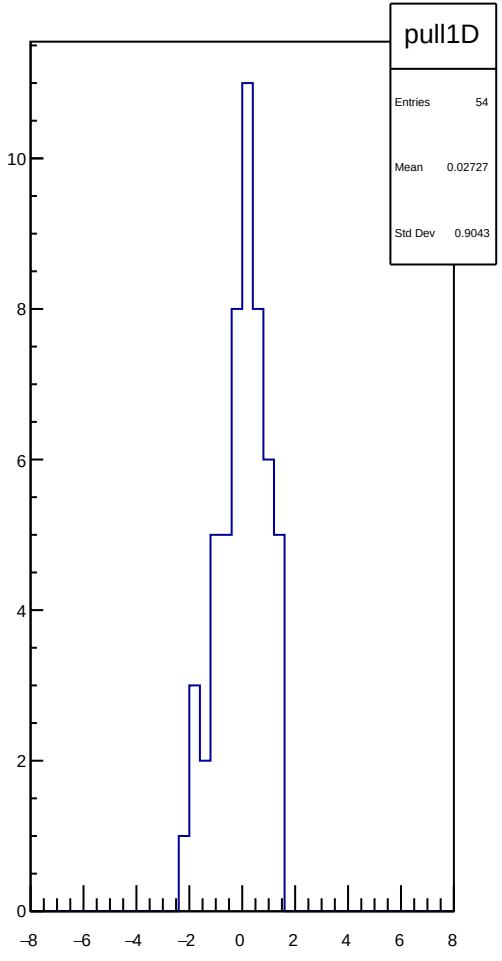

pull1D
Entries 54
Mean 0.02727
Std Dev 0.9043
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

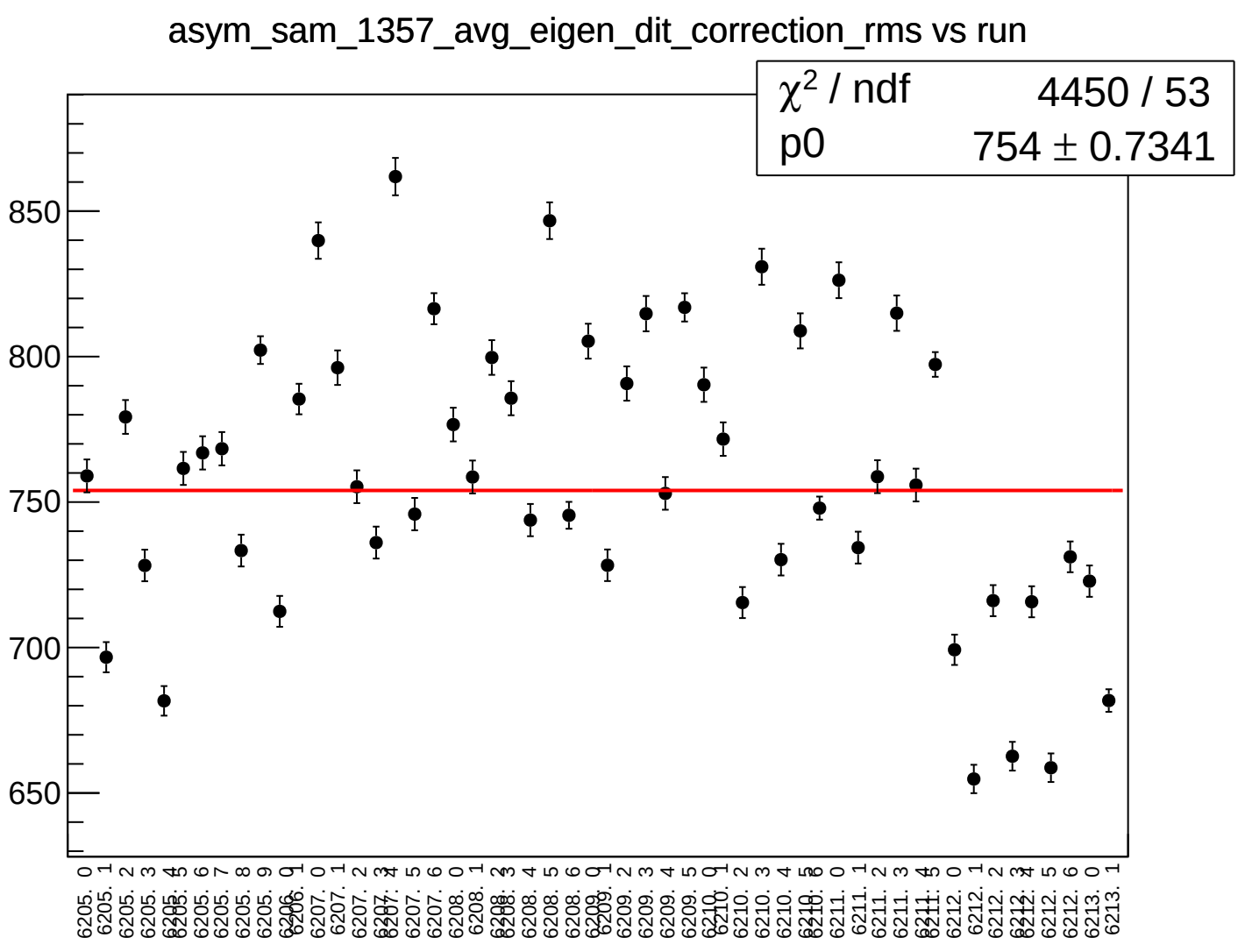

asym_sam_1357_avg_dit_correction_rms vs run
χ² / ndf 4450 / 53
p0 754 ± 0.7341
850
800
750
700
650
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

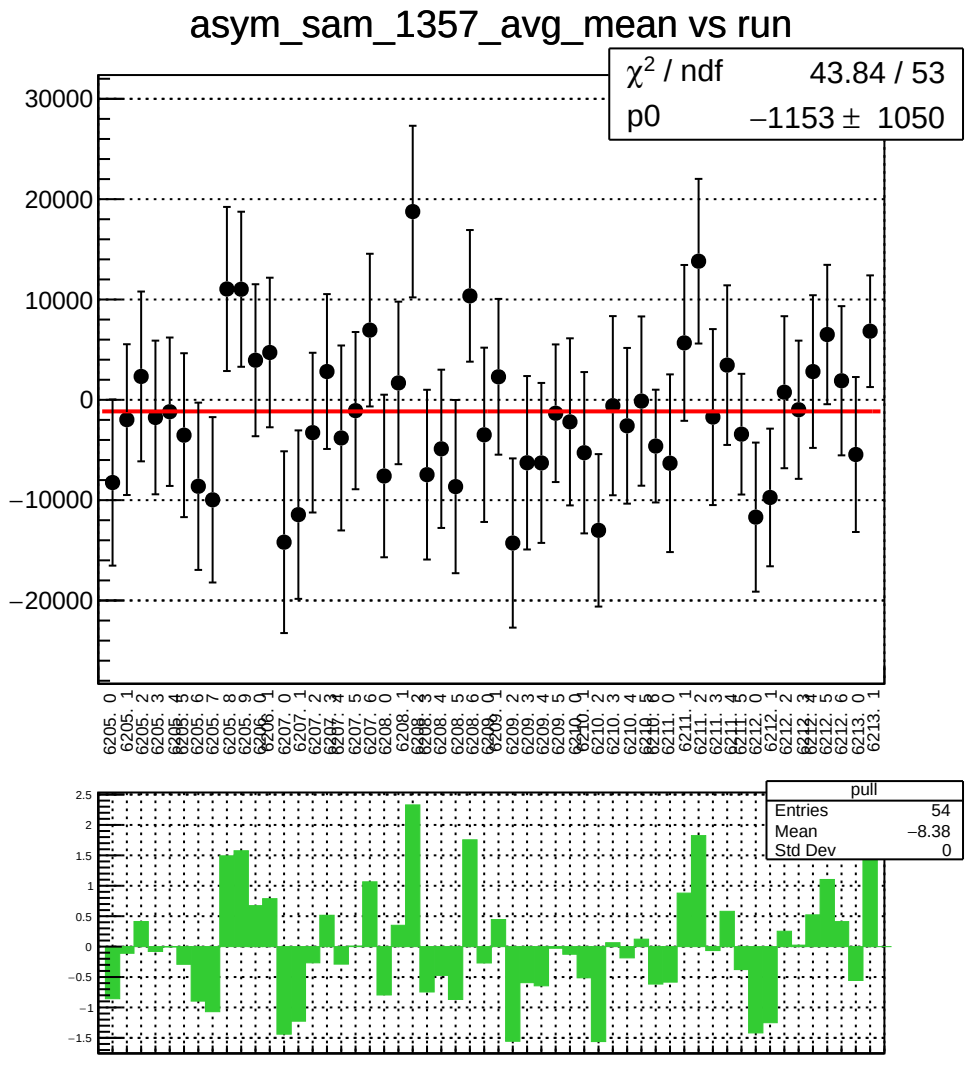

eigen_dit_asym_sam_1357_avg_mean vs run
χ² / ndf 50.16 / 53
p0 −135 ± 85.34
pull
Entries 54
Mean 288.9
Std Dev 0
pull1D
Entries 54
Mean 0.00797
Std Dev 0.9637

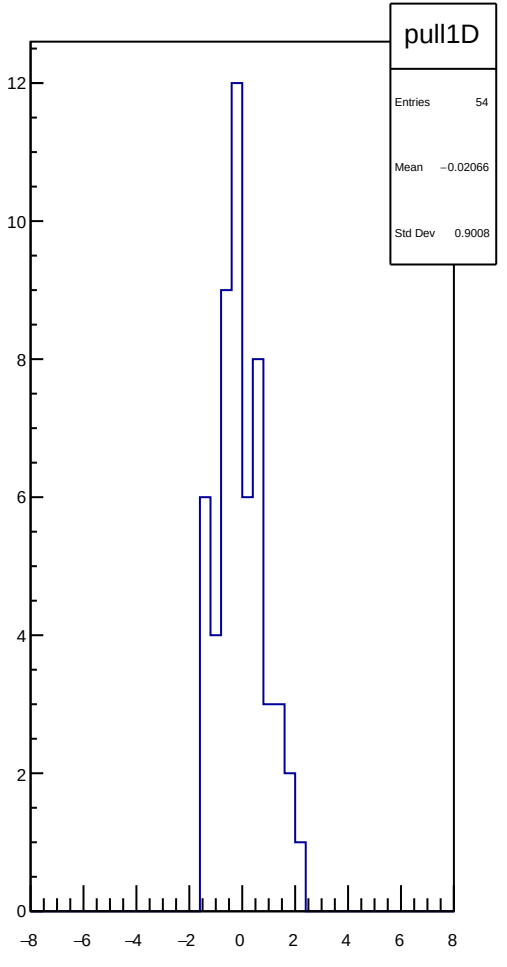

eigen_dit_asym_sam_1357_avg_rms vs run
χ^2 / ndf 3.209e+04 / 53
p0 61.16 ± 0.06034
180
160
140
120
100
80
60
40
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

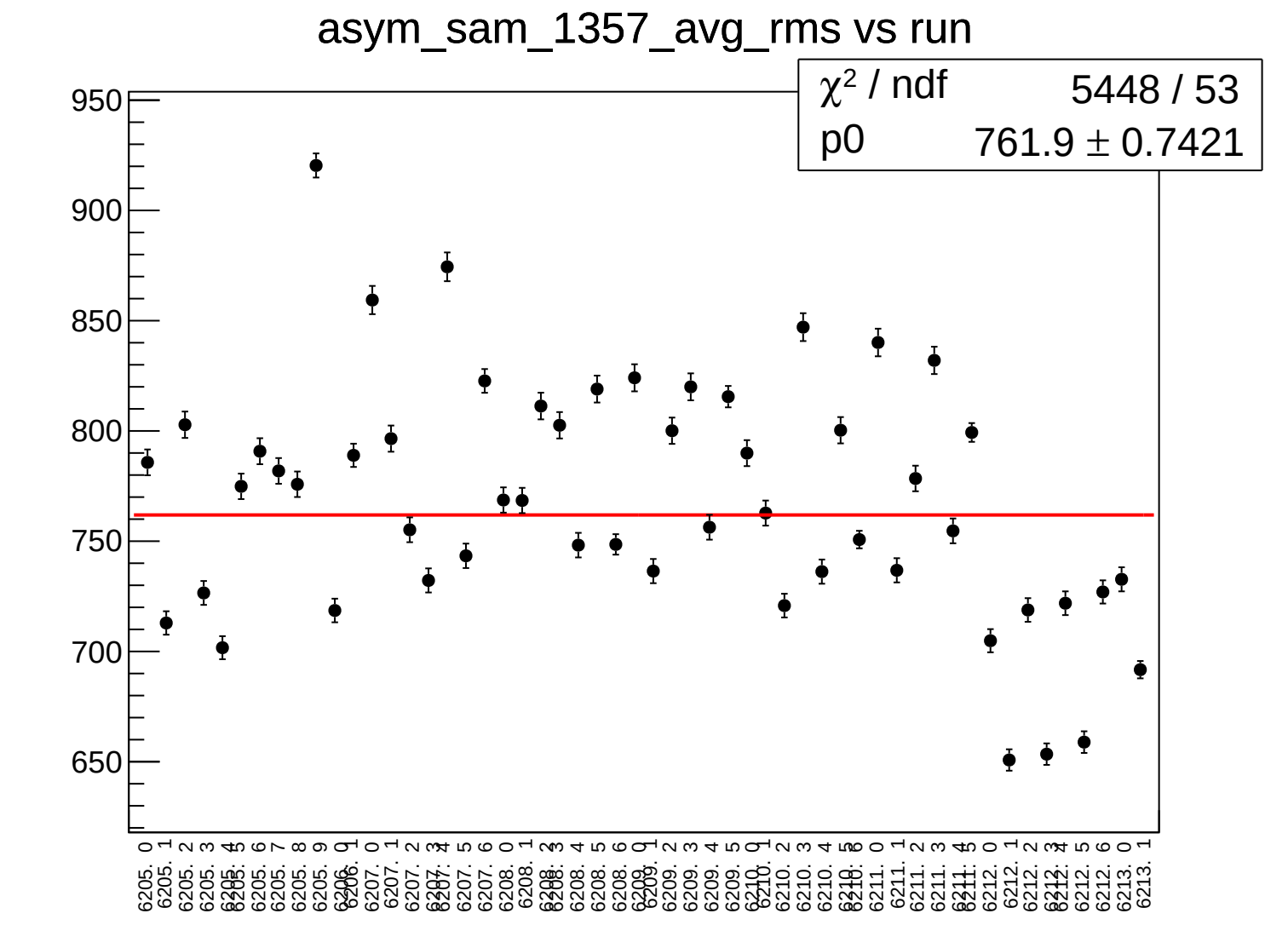

asym_sam_1357_avg_eigen_dit_correction_mean vs run
χ² / ndf 44.2 / 53
p0 942.5 ± 1038
20000
10000
0
−10000
−20000
pull
Entries 54
Mean 7.243
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

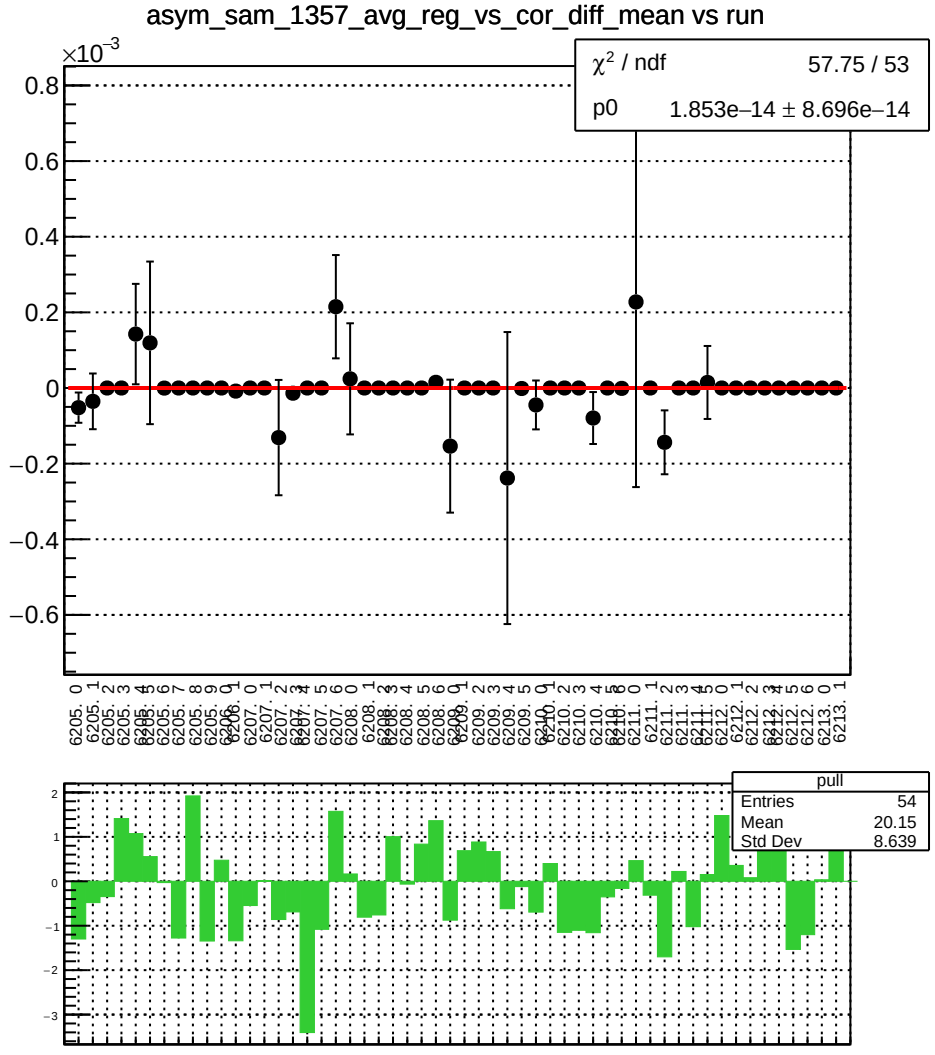

pull1D
Entries 54
Mean 0.02727
Std Dev 0.9043
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

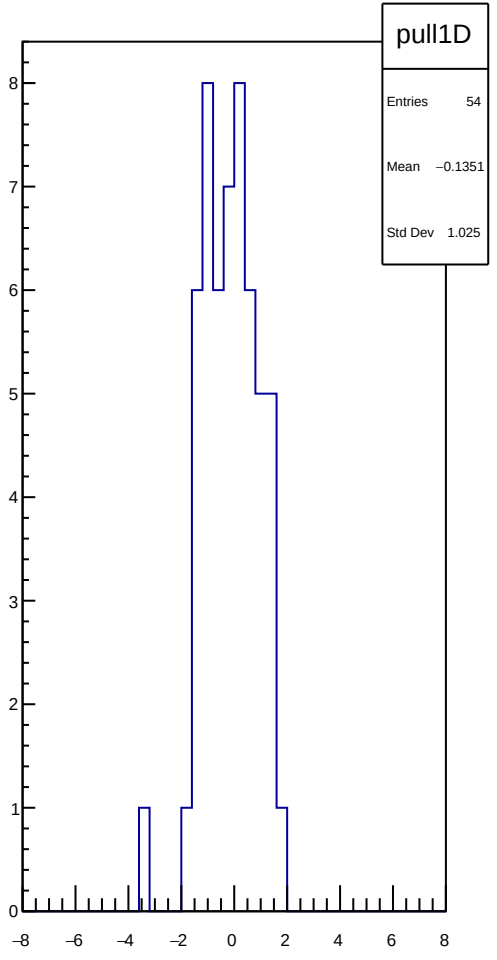

asym_sam_1357_avg_eigen_dit_correction_rms vs run
χ² / ndf 4450 / 53
p0 754 ± 0.7341
850
800
750
700
650
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

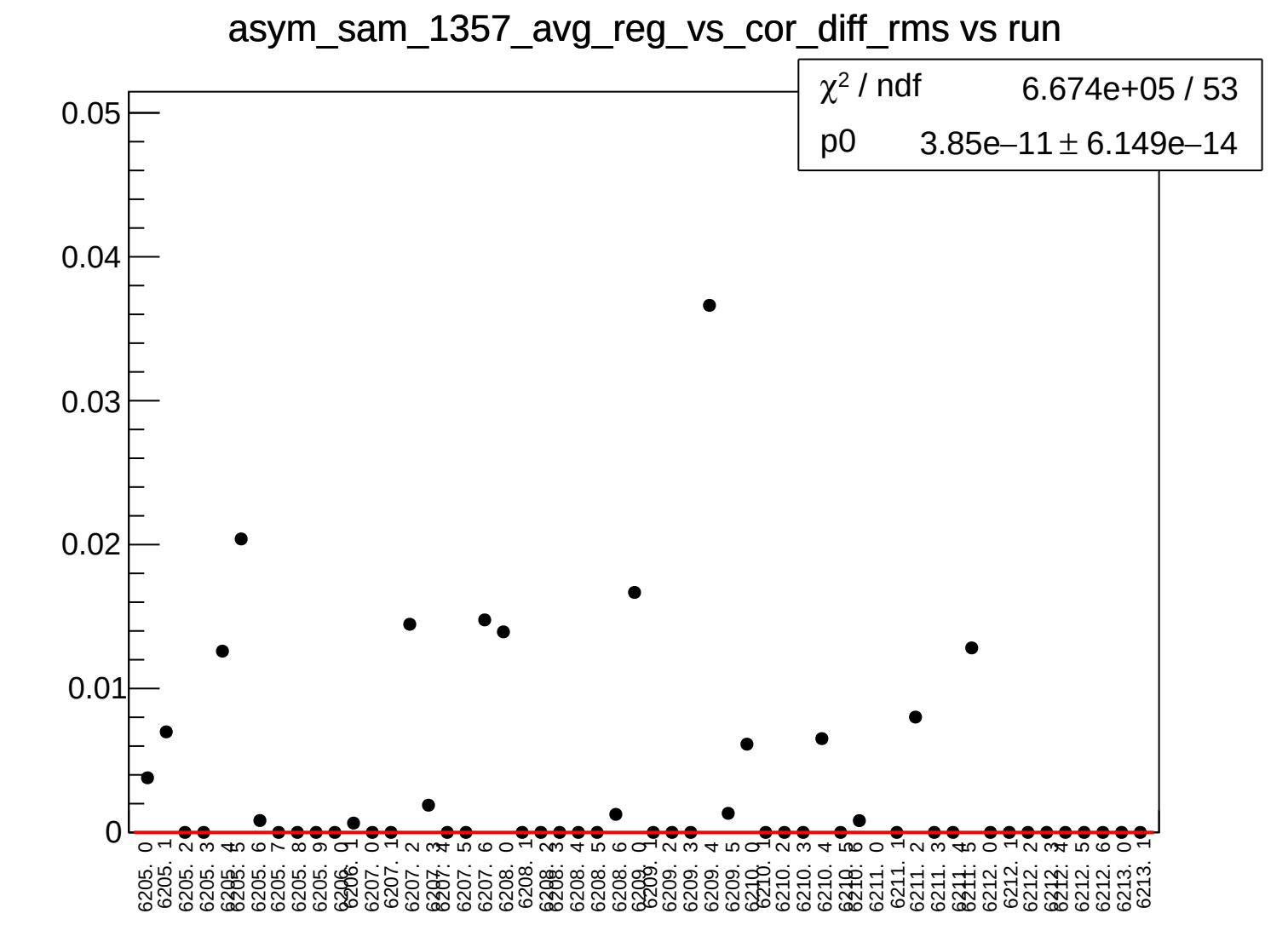

asym_sam_1357_avg_mean vs run
χ² / ndf 43.84 / 53
p0 −1153 ± 1050
30000
20000
10000
0
−10000
−20000
pull
Entries 54
Mean −8.38
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

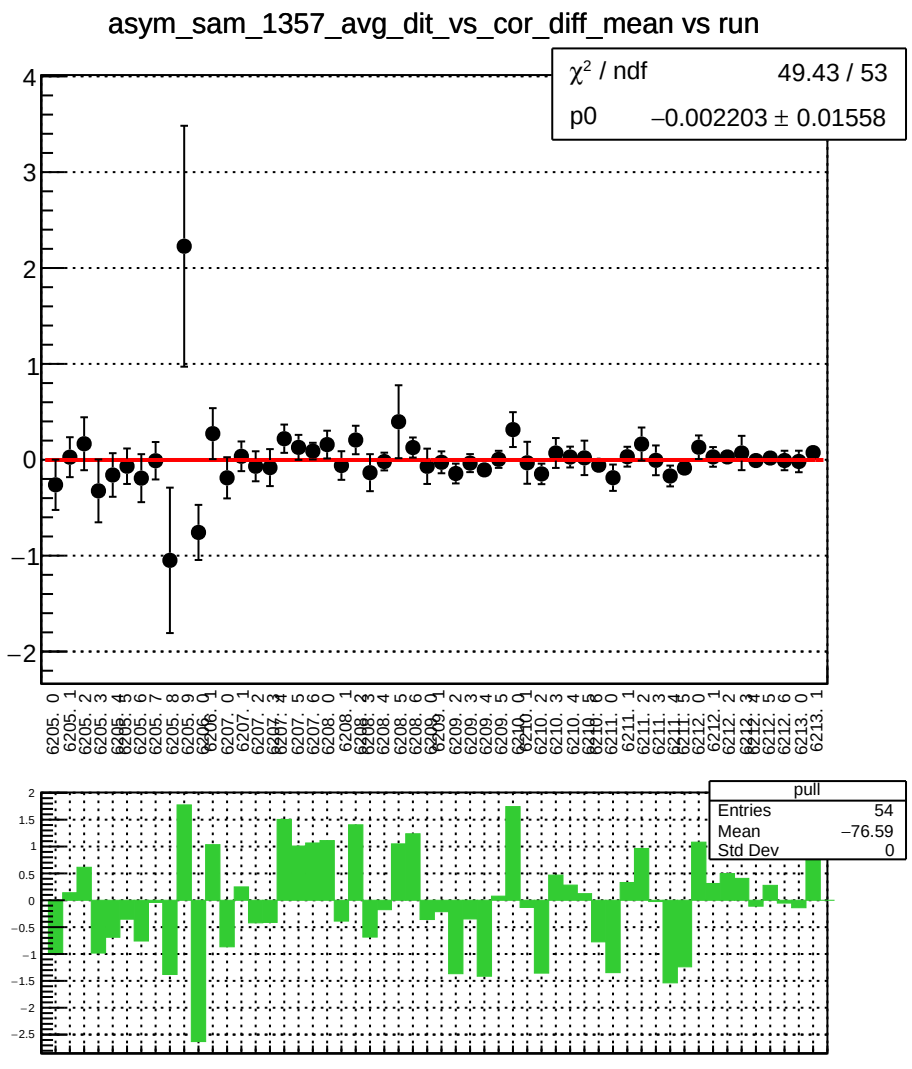

pull1D
Entries 54
Mean −0.02066
Std Dev 0.9008
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

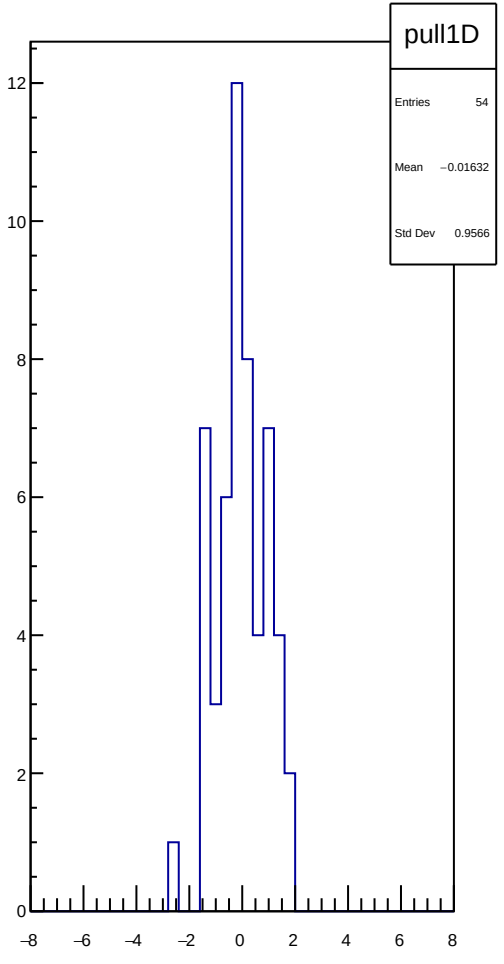

asym_sam_1357_avg_rms vs run
χ² / ndf 5448 / 53
p0 761.9 ± 0.7421
950
900
850
800
750
700
650
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

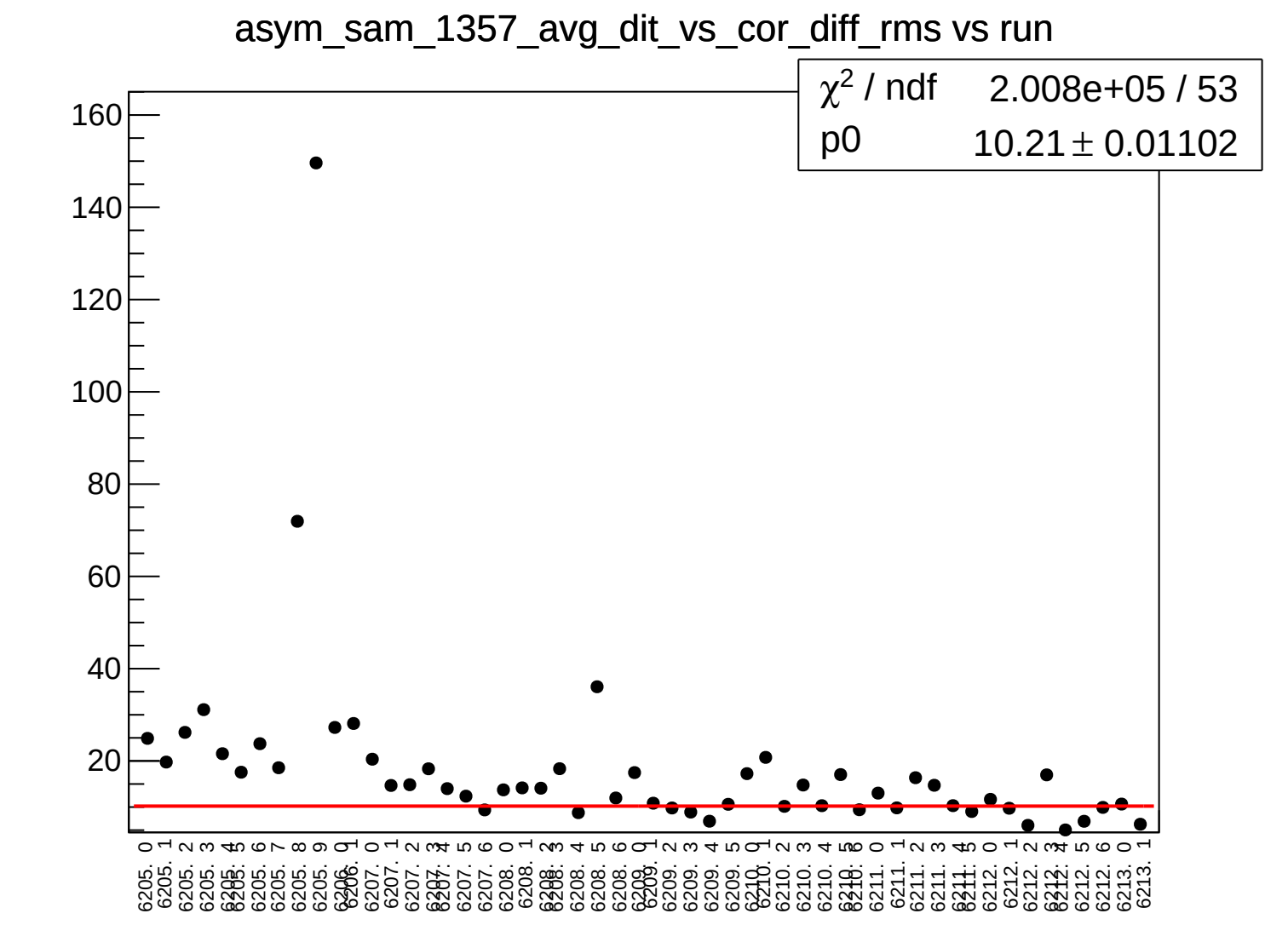

asym_sam_1357_avg_reg_vs_cor_diff_mean vs run
×10^−3
χ² / ndf 57.75 / 53
p0 1.853e−14 ± 8.696e−14
pull
Entries 54
Mean 20.15
Std Dev 8.639

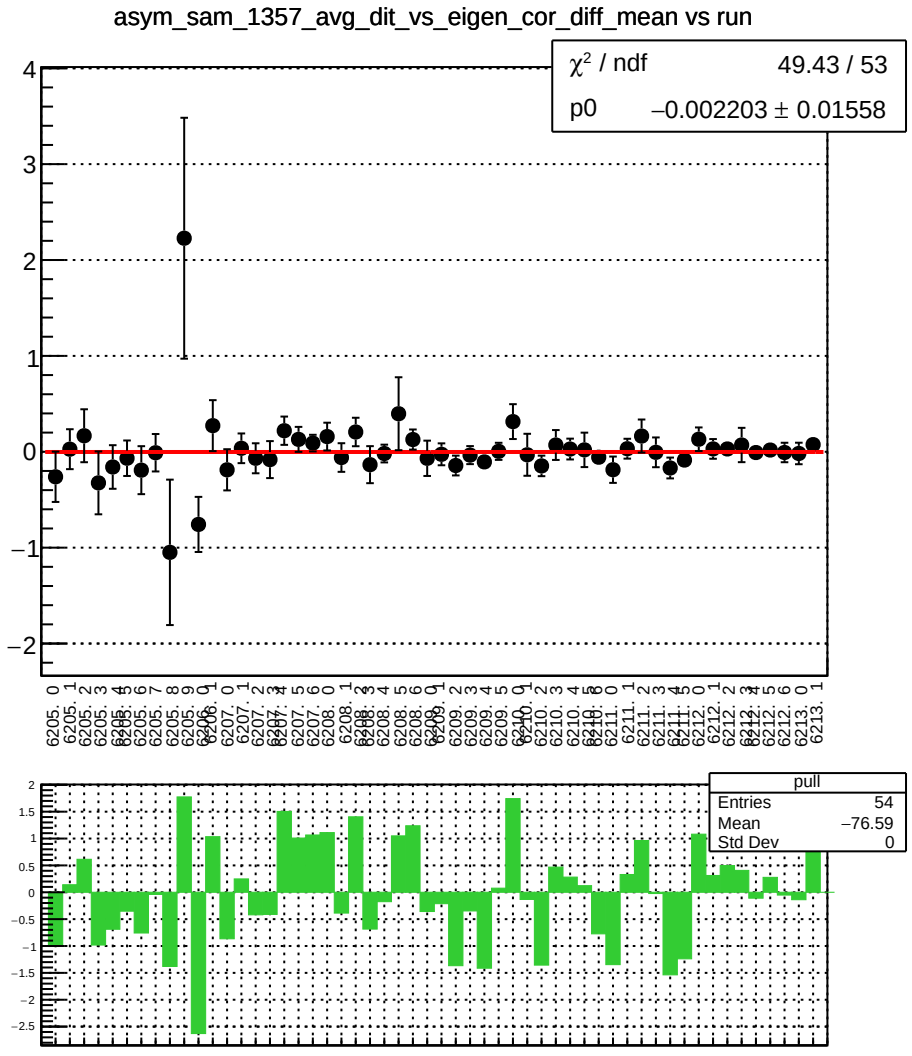

pull1D
Entries 54
Mean −0.1351
Std Dev 1.025

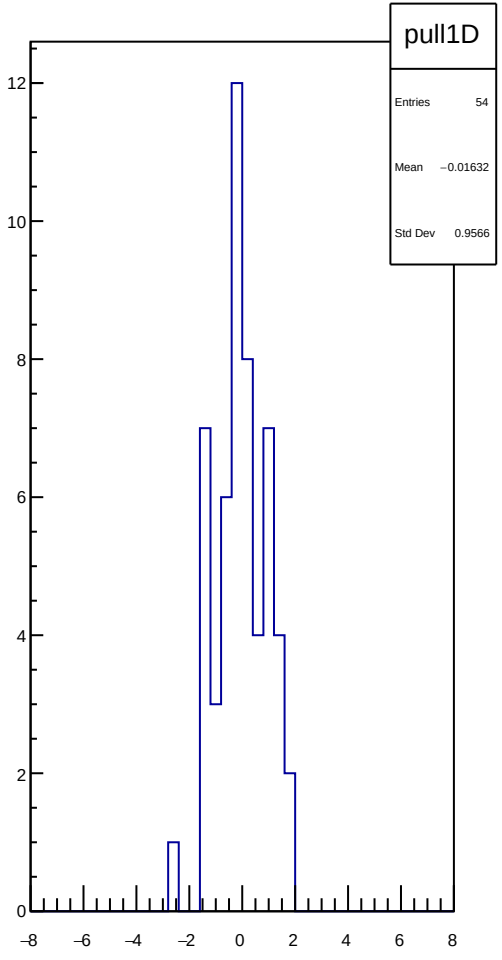

asym_sam_1357_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.674e+05 / 53
p0 3.85e−11 ± 6.149e−14
0.05
0.04
0.03
0.02
0.01
0

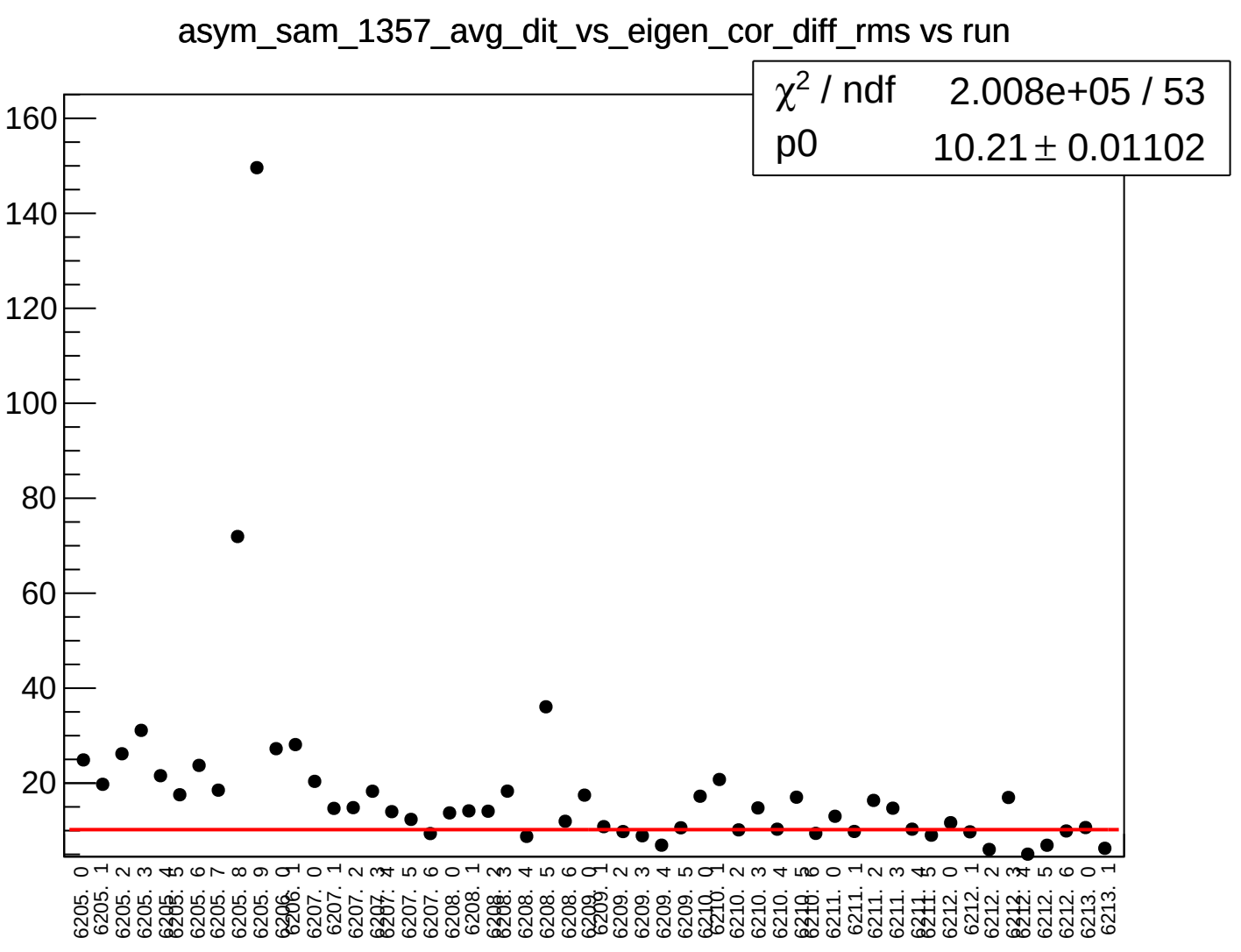

asym_sam_1357_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 49.43 / 53
p0 −0.002203 ± 0.01558
pull
Entries 54
Mean −76.59
Std Dev 0

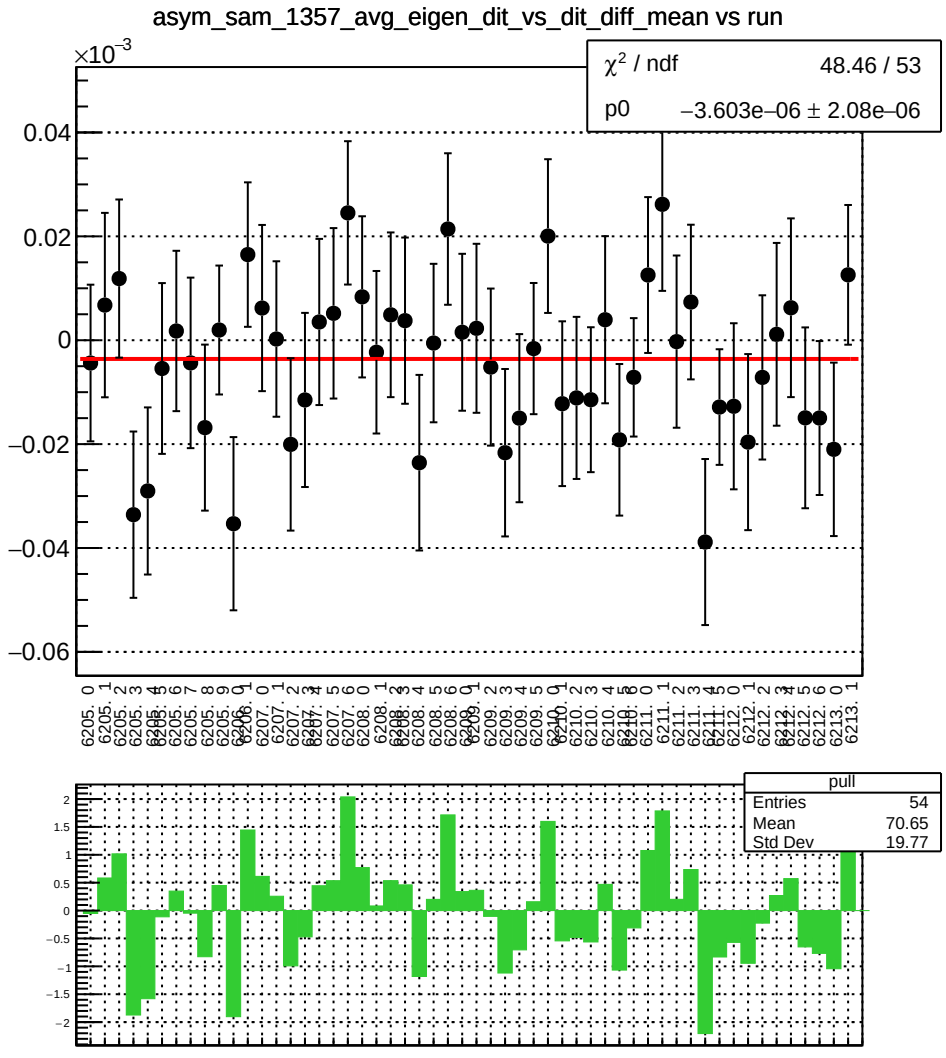

pull1D
Entries 54
Mean −0.01632
Std Dev 0.9566

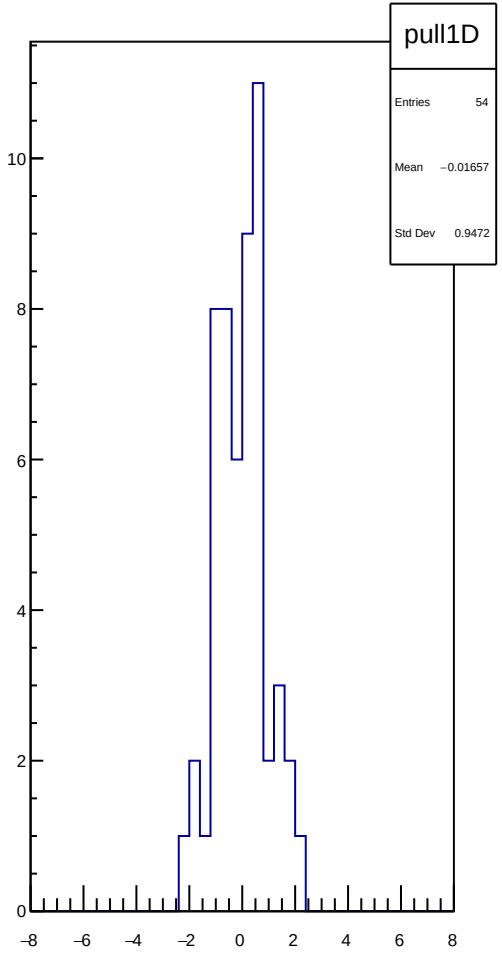

asym_sam_1357_avg_dit_vs_cor_diff_rms vs run
χ^2 / ndf 2.008e+05 / 53
p0 10.21 ± 0.01102
160
140
120
100
80
60
40
20
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

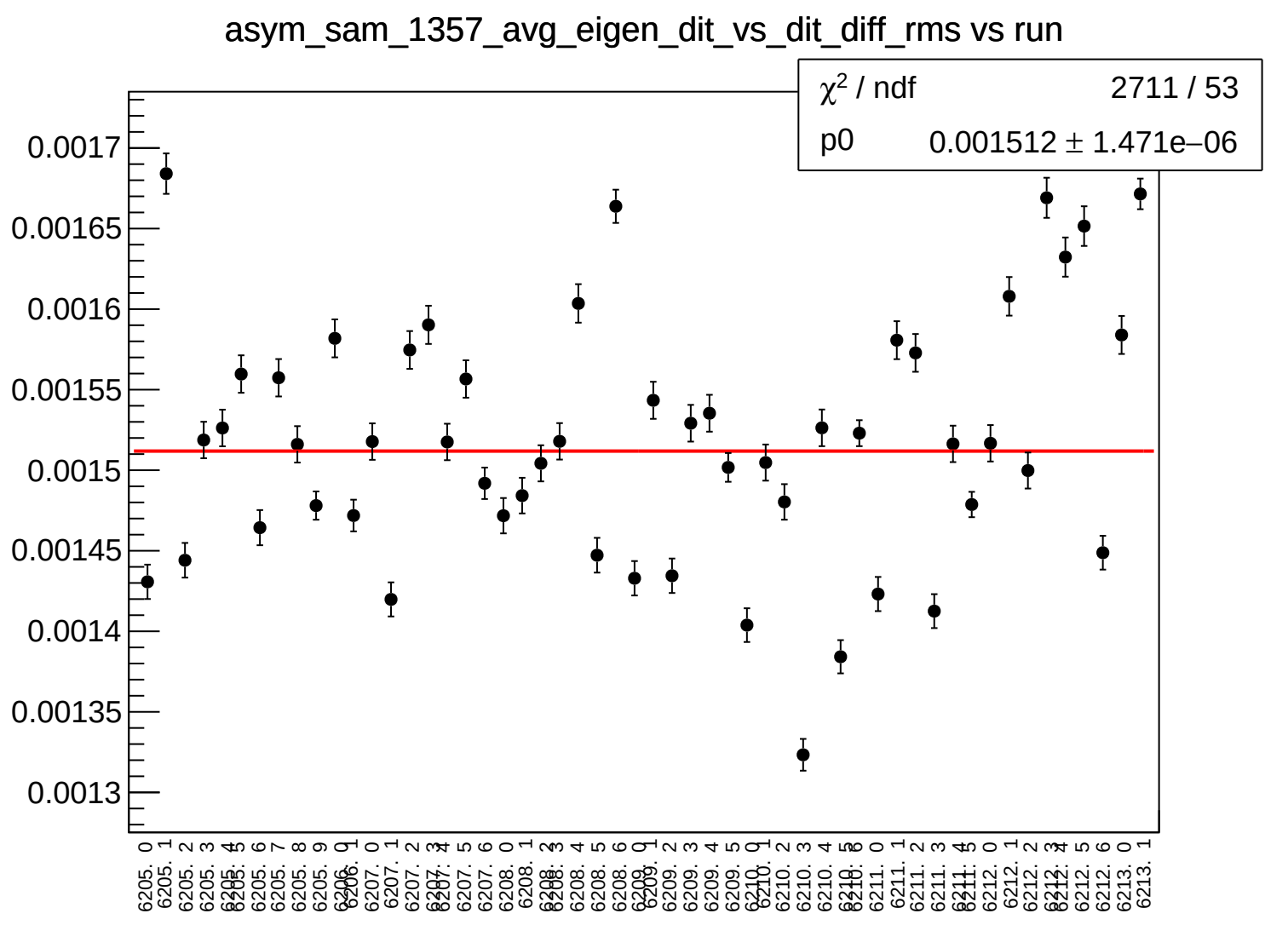

asym_sam_1357_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 49.43 / 53
p0 −0.002203 ± 0.01558
pull
Entries 54
Mean −76.59
Std Dev 0

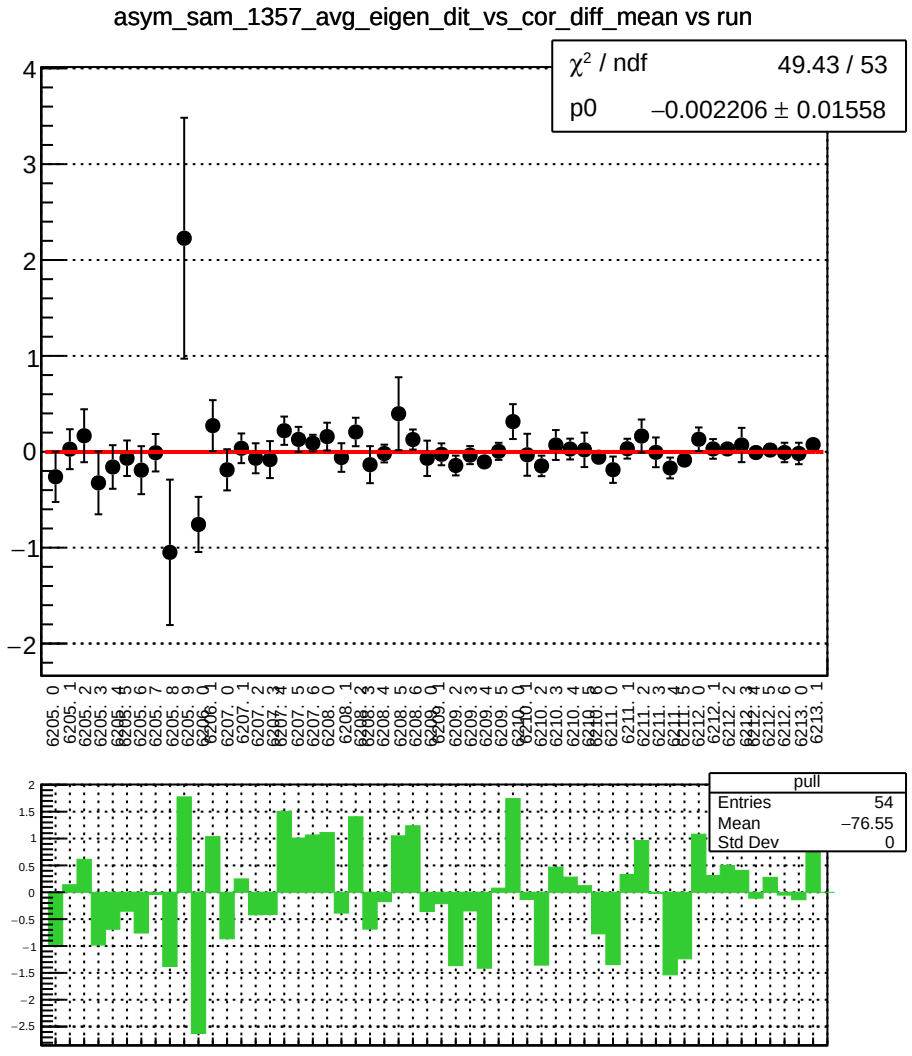

pull1D
Entries 54
Mean −0.01632
Std Dev 0.9566

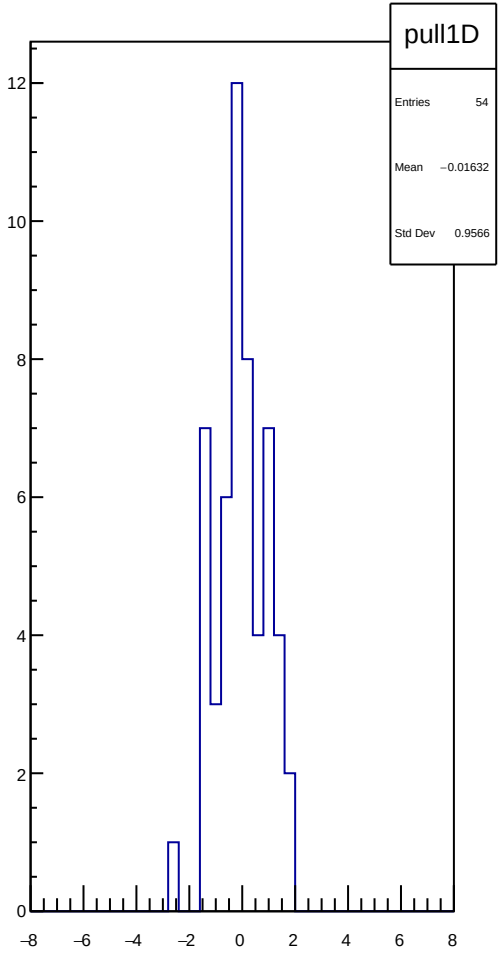

asym_sam_1357_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.008e+05 / 53
p0 10.21 ± 0.01102
160
140
120
100
80
60
40
20
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

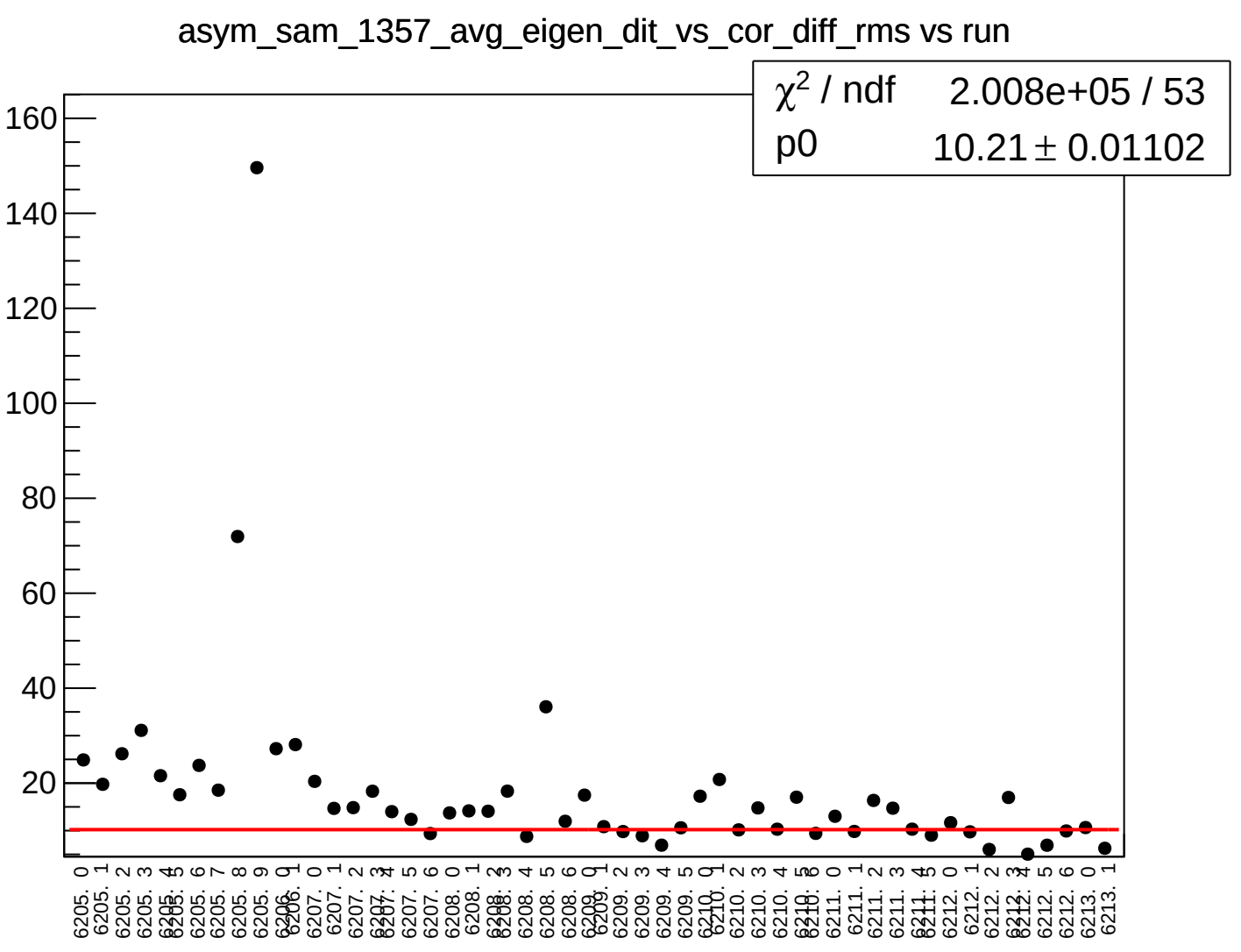

asym_sam_1357_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 48.46 / 53
p0 −3.603e−06 ± 2.08e−06
0.04
0.02
0
−0.02
−0.04
−0.06
pull
Entries 54
Mean 70.65
Std Dev 19.77
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

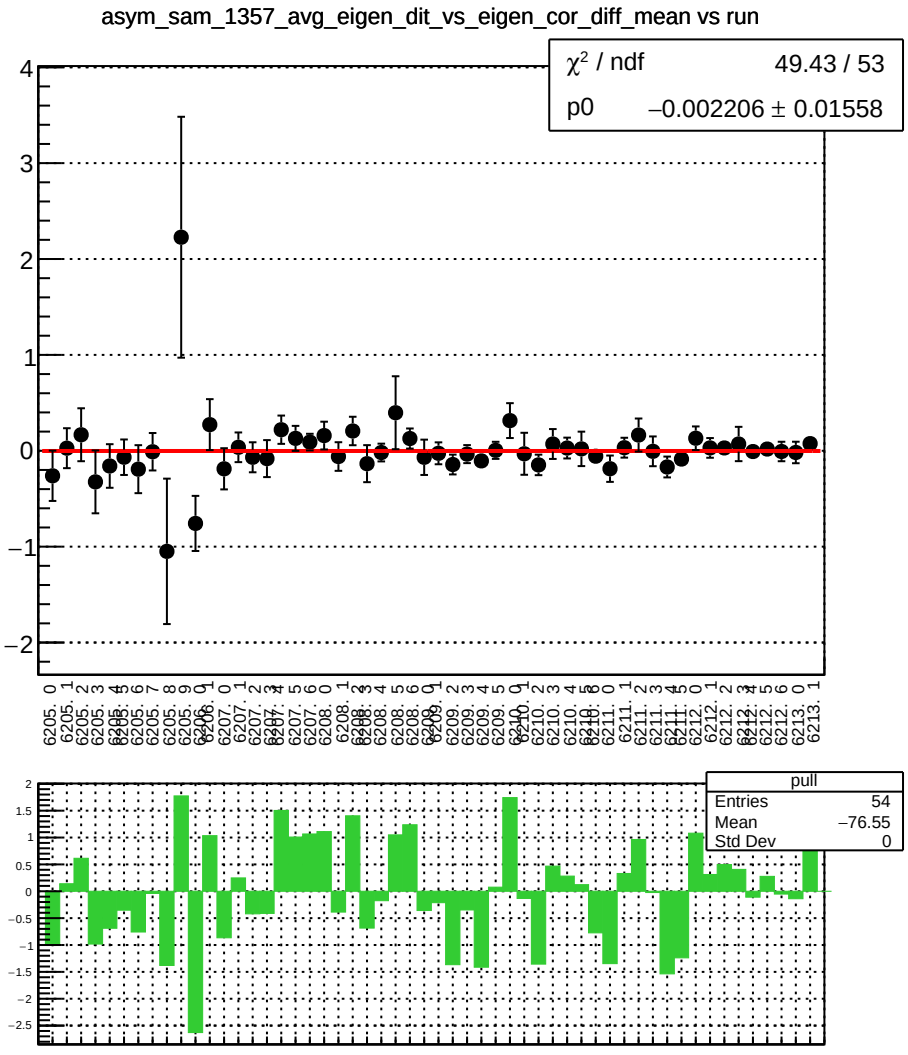

pull1D
Entries 54
Mean −0.01657
Std Dev 0.9472
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

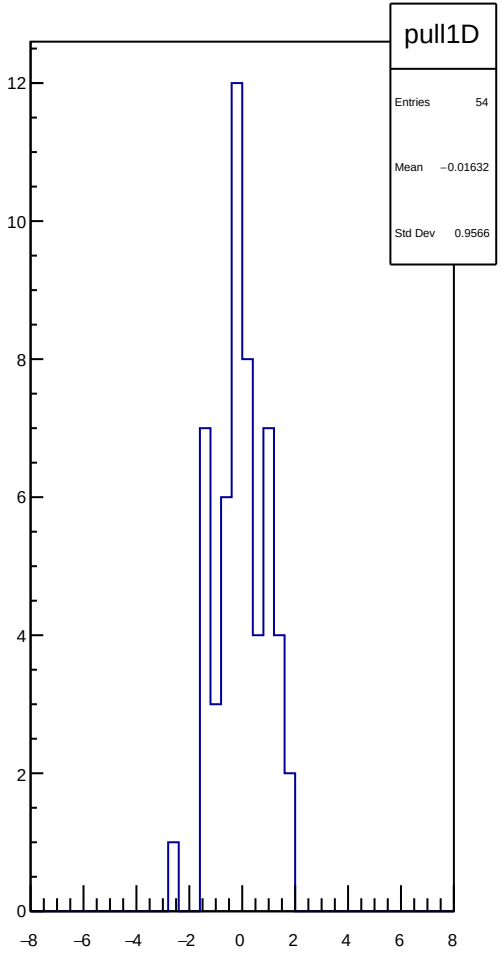

asym_sam_1357_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2711 / 53
p0 0.001512 ± 1.471e−06
0.0017
0.00165
0.0016
0.00155
0.0015
0.00145
0.0014
0.00135
0.0013

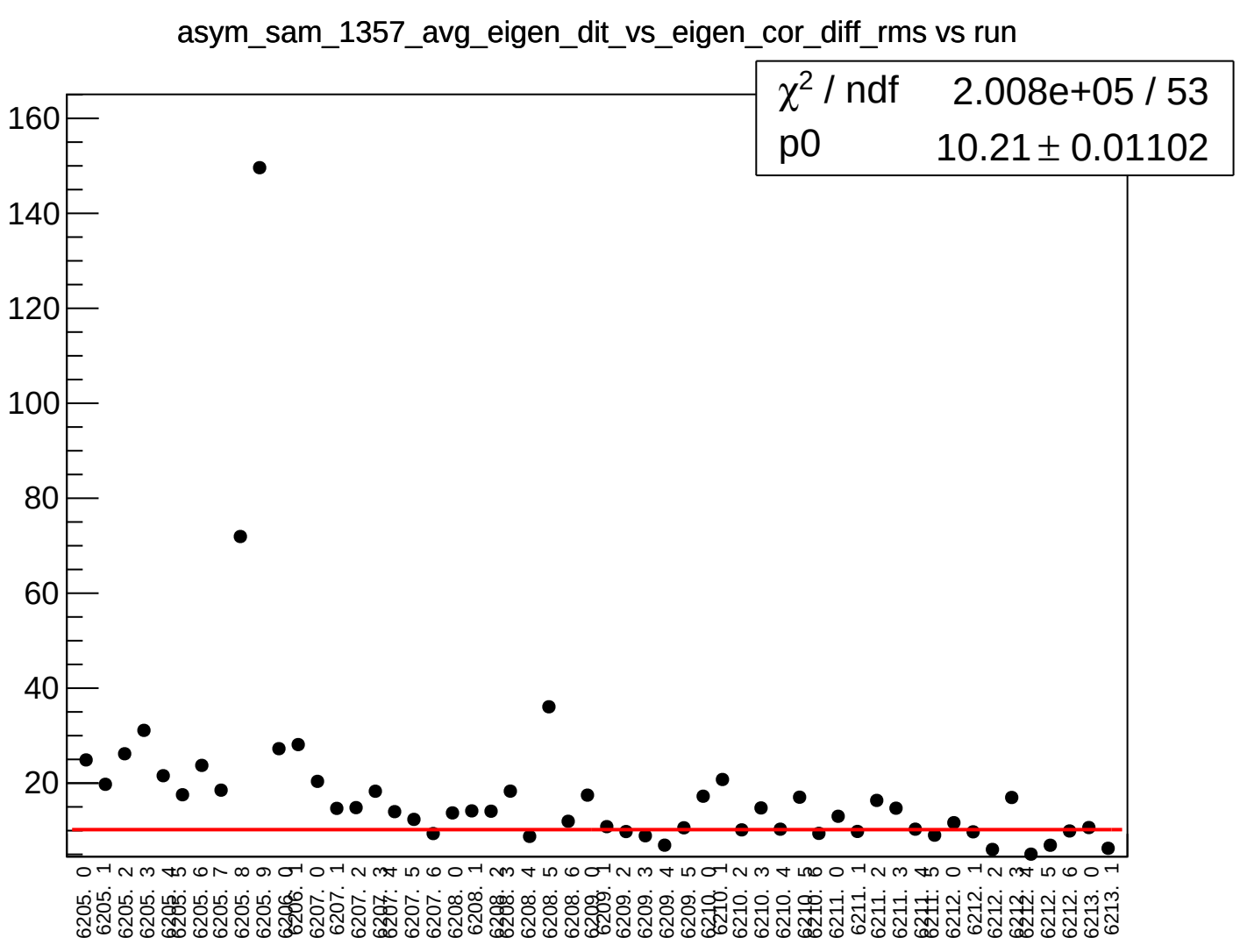

asym_sam_1357_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 49.43 / 53
p0 −0.002206 ± 0.01558
pull
Entries 54
Mean −76.55
Std Dev 0

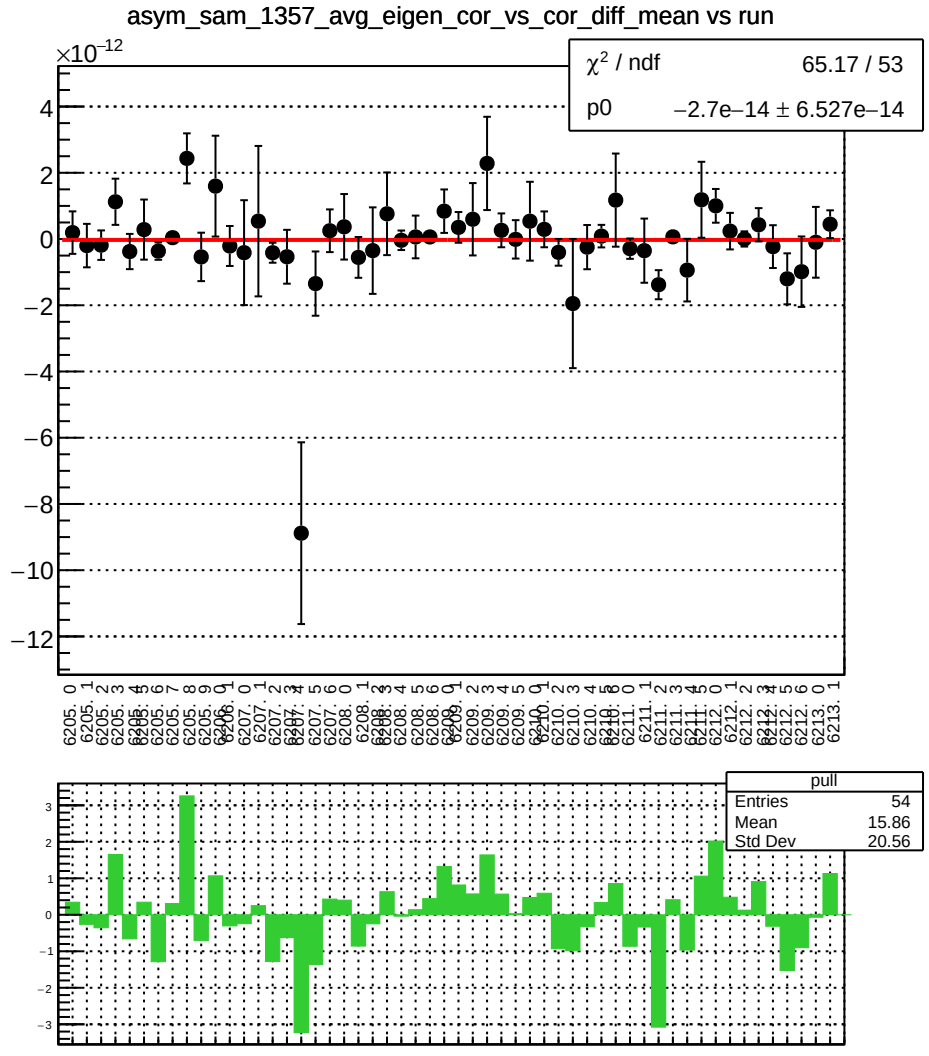

pull1D
Entries 54
Mean −0.01632
Std Dev 0.9566

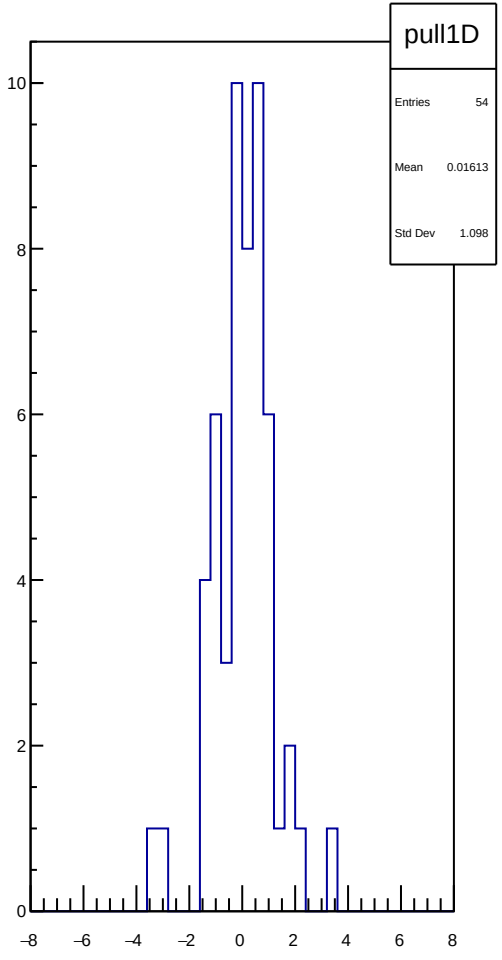

asym_sam_1357_avg_eigen_dit_vs_cor_diff_rms vs run
χ^2 / ndf 2.008e+05 / 53
p0 10.21 ± 0.01102
160
140
120
100
80
60
40
20
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

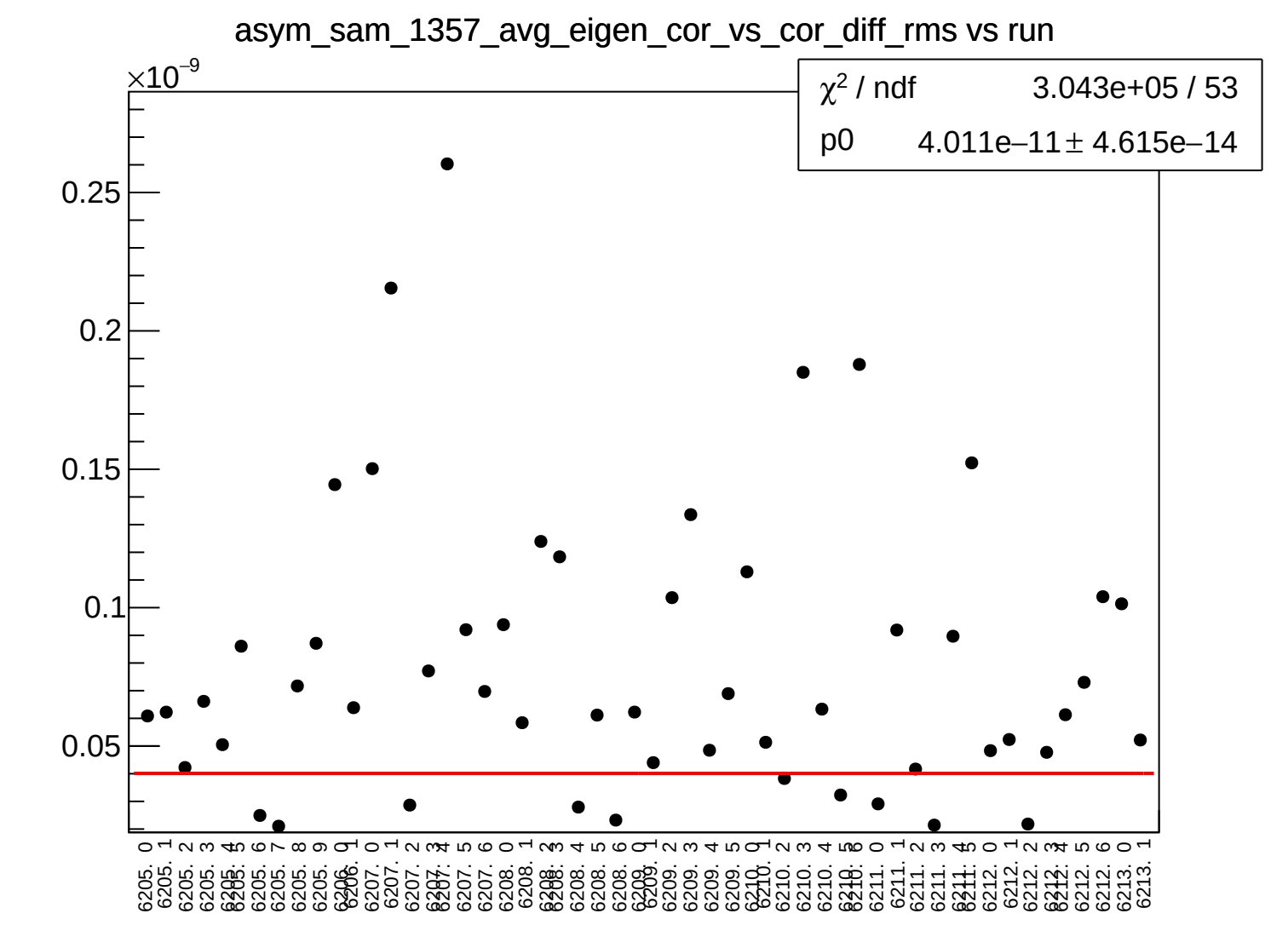

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 49.43 / 53
p0 −0.002206 ± 0.01558
pull
Entries 54
Mean −76.55
Std Dev 0

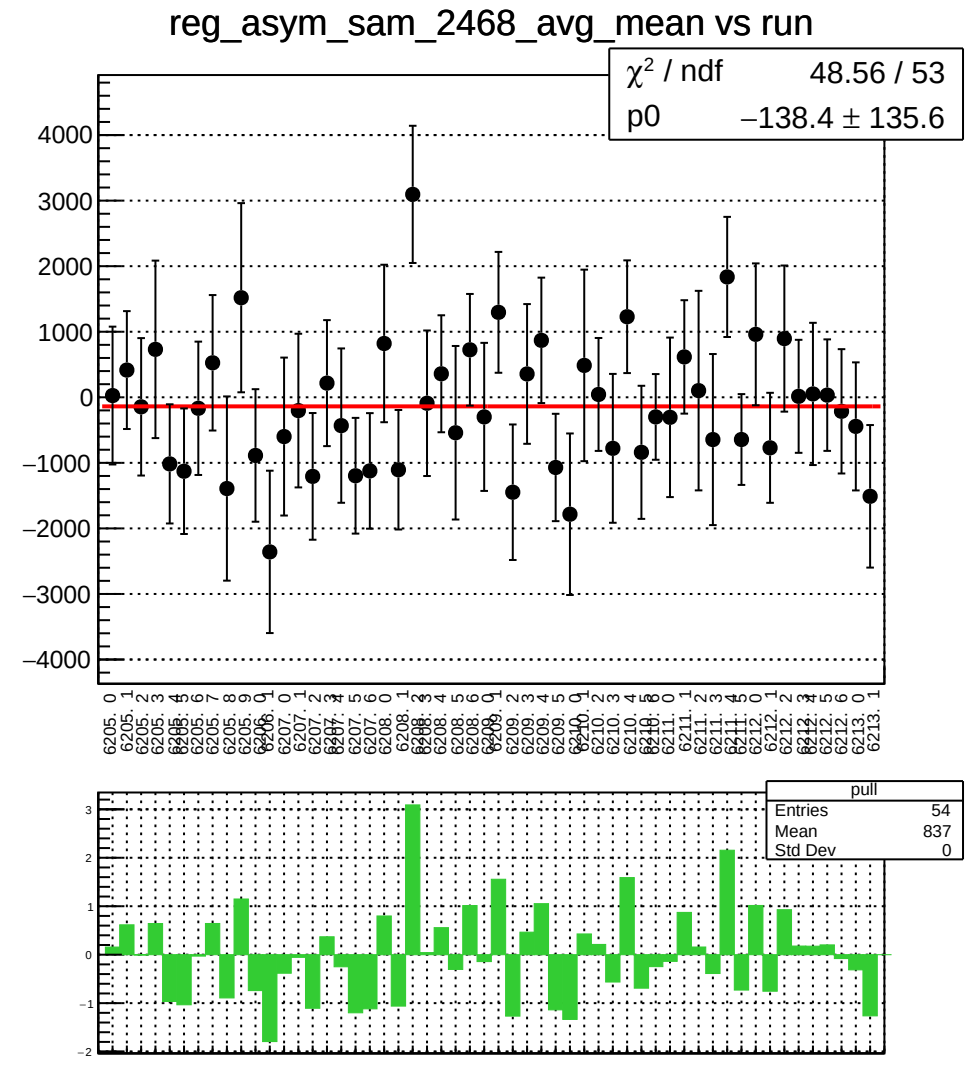

pull1D
Entries 54
Mean −0.01632
Std Dev 0.9566

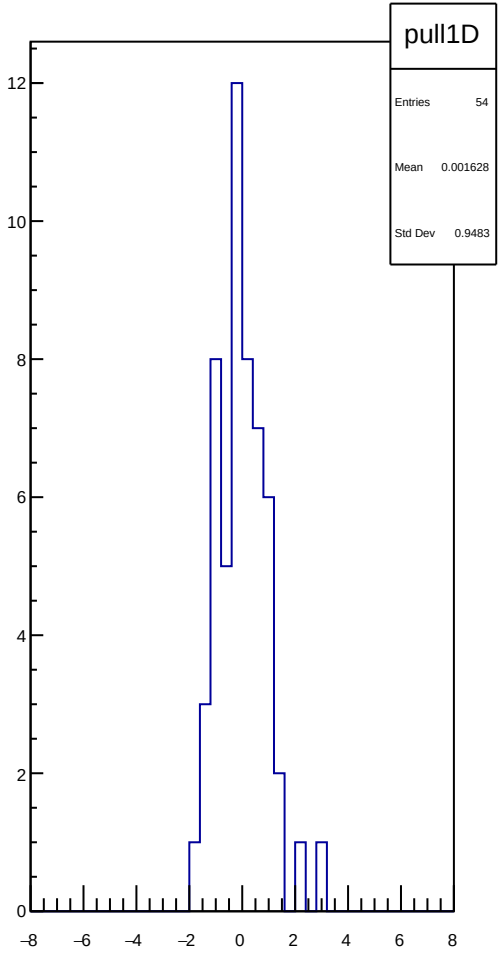

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.008e+05 / 53
p0 10.21 ± 0.01102
160
140
120
100
80
60
40
20
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

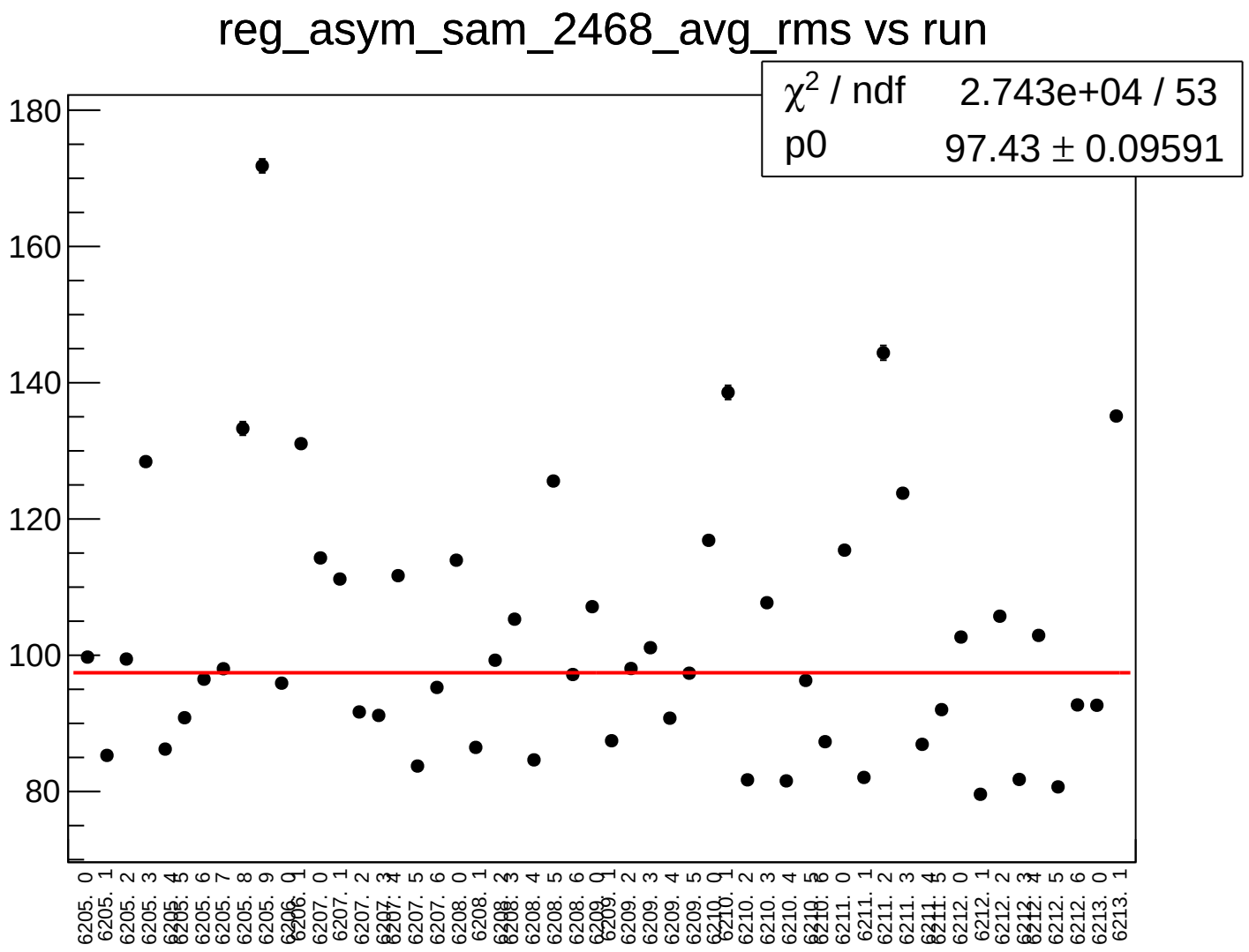

asym_sam_1357_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 65.17 / 53
p0 −2.7e−14 ± 6.527e−14
pull
Entries 54
Mean 15.86
Std Dev 20.56

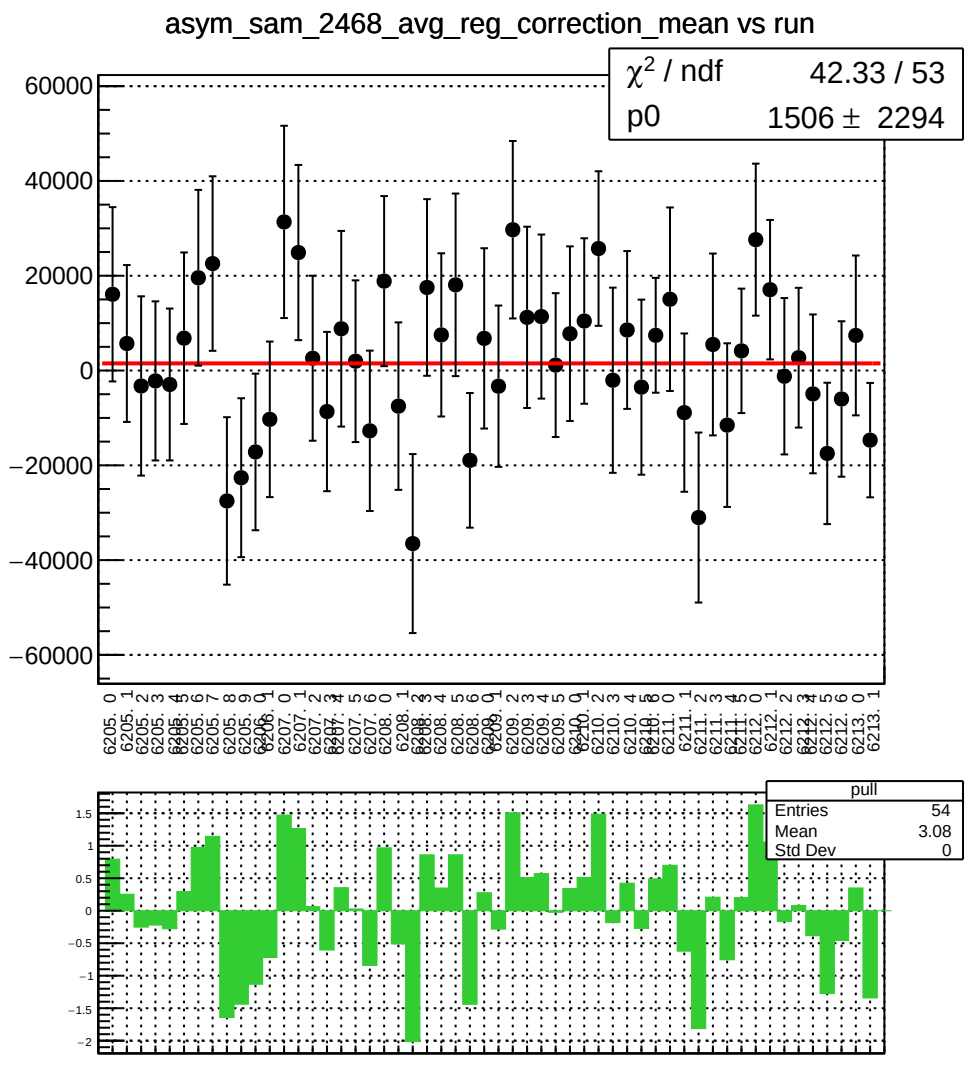

pull1D
Entries 54
Mean 0.01613
Std Dev 1.098

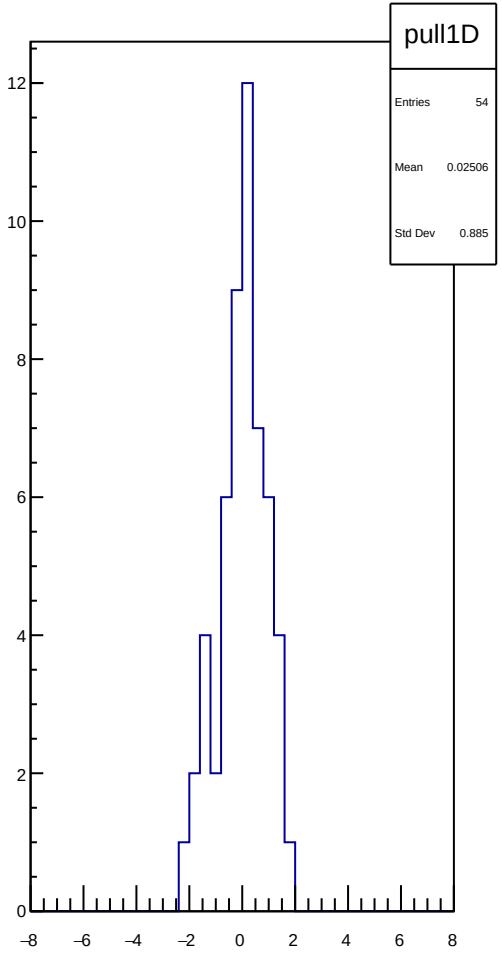

asym_sam_1357_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.043e+05 / 53
p0 4.011e−11 ± 4.615e−14
0.25
0.2
0.15
0.1
0.05
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

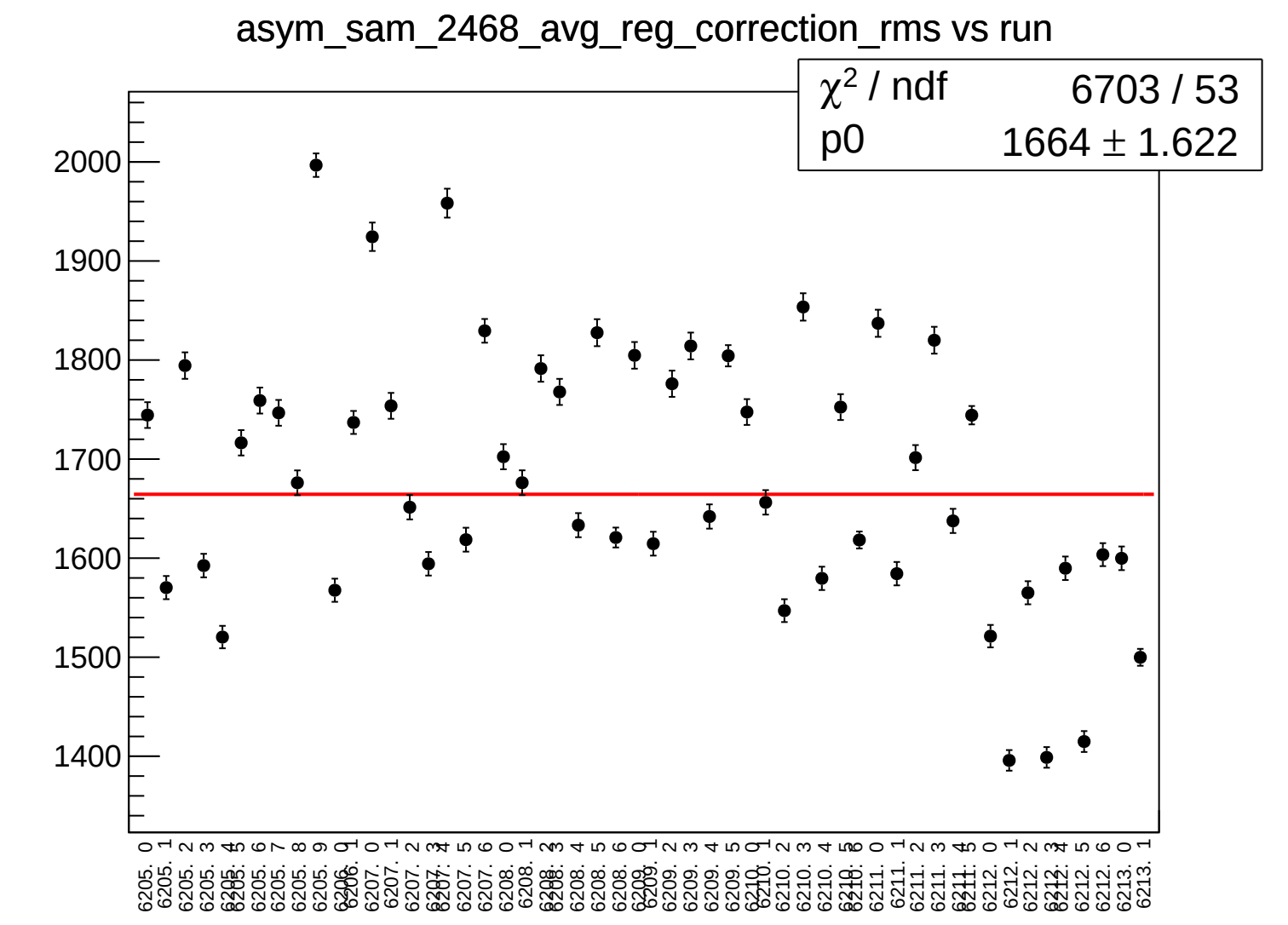

reg_asym_sam_2468_avg_mean vs run
χ² / ndf 48.56 / 53
p0 −138.4 ± 135.6
pull
Entries 54
Mean 837
Std Dev 0

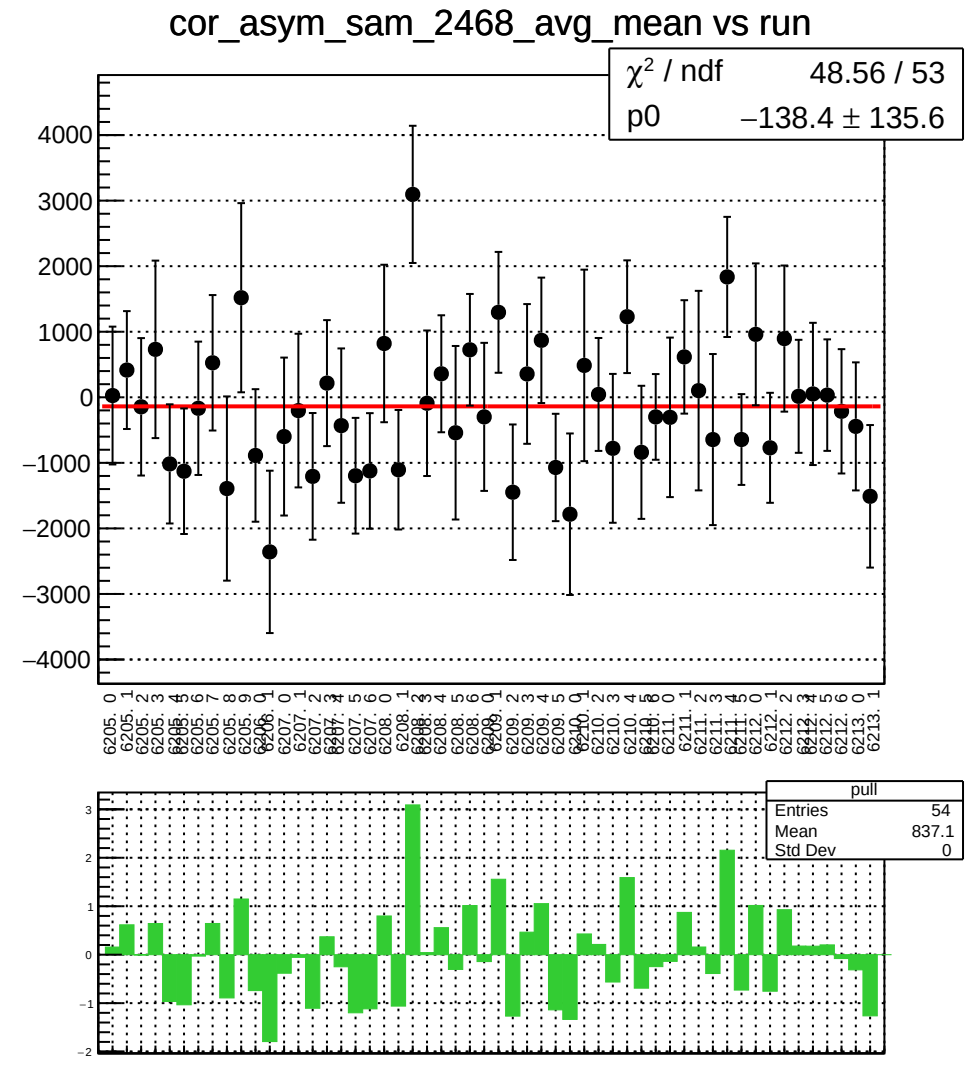

pull1D
Entries 54
Mean 0.001628
Std Dev 0.9483

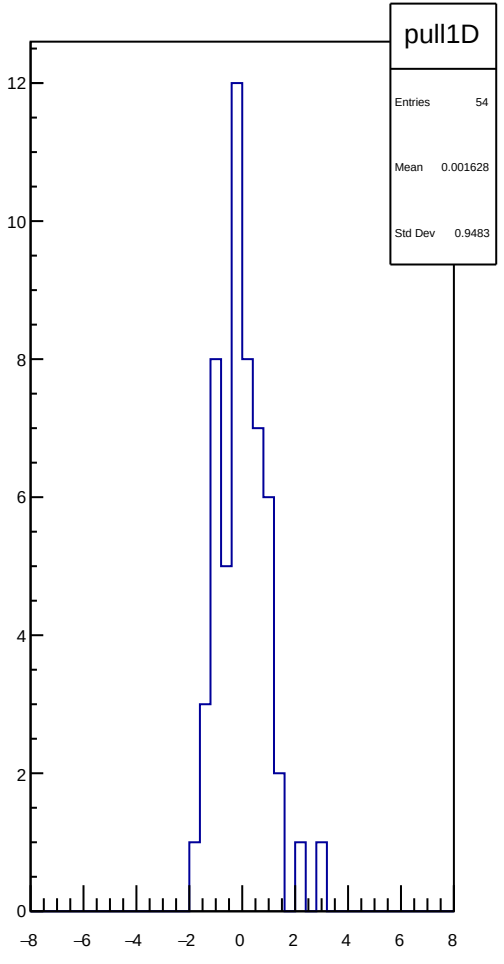

reg_asym_sam_2468_avg_rms vs run
χ² / ndf 2.743e+04 / 53
p0 97.43 ± 0.09591
180
160
140
120
100
80
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

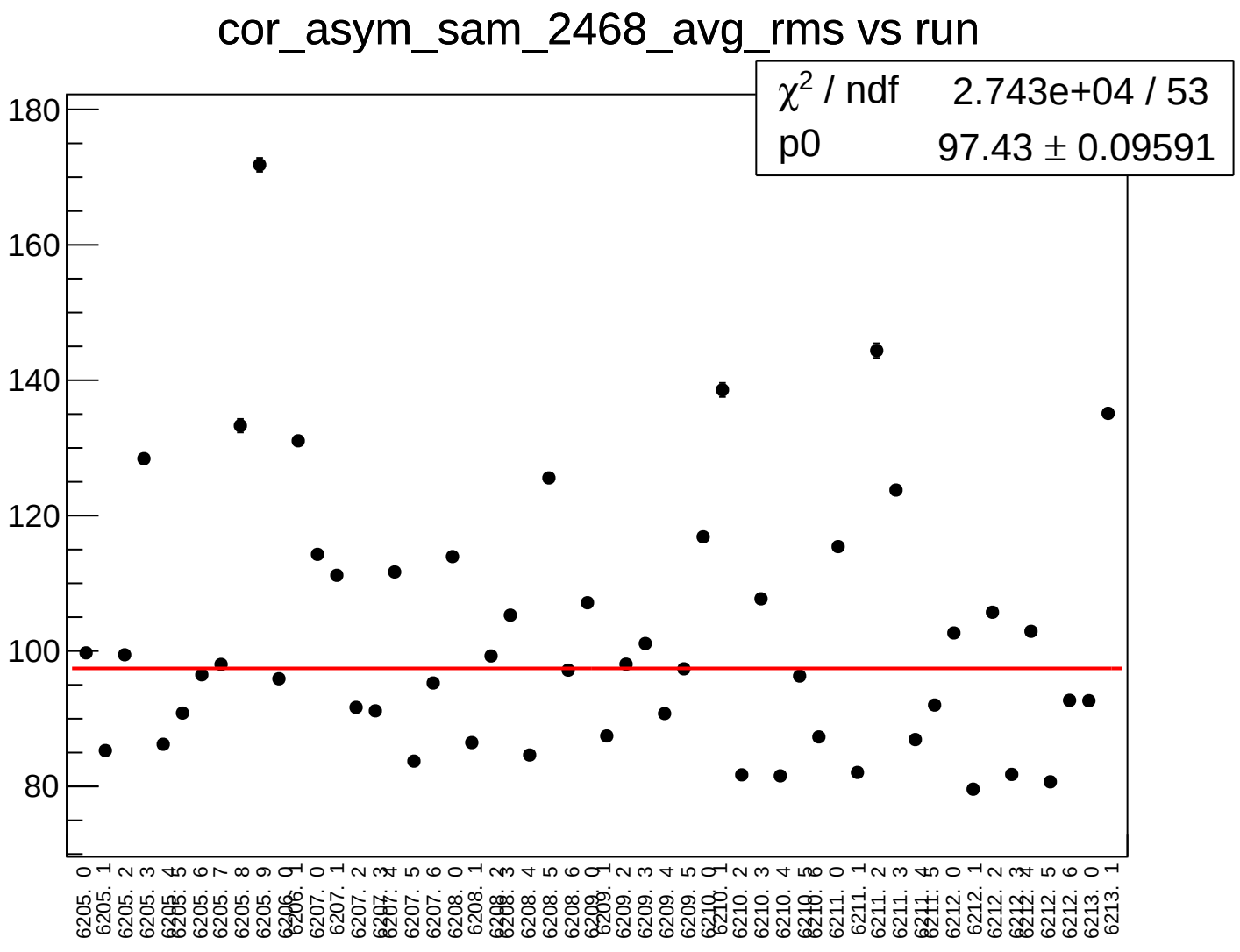

asym_sam_2468_avg_reg_correction_mean vs run
χ² / ndf 42.33 / 53
p0 1506 ± 2294
pull
Entries 54
Mean 3.08
Std Dev 0

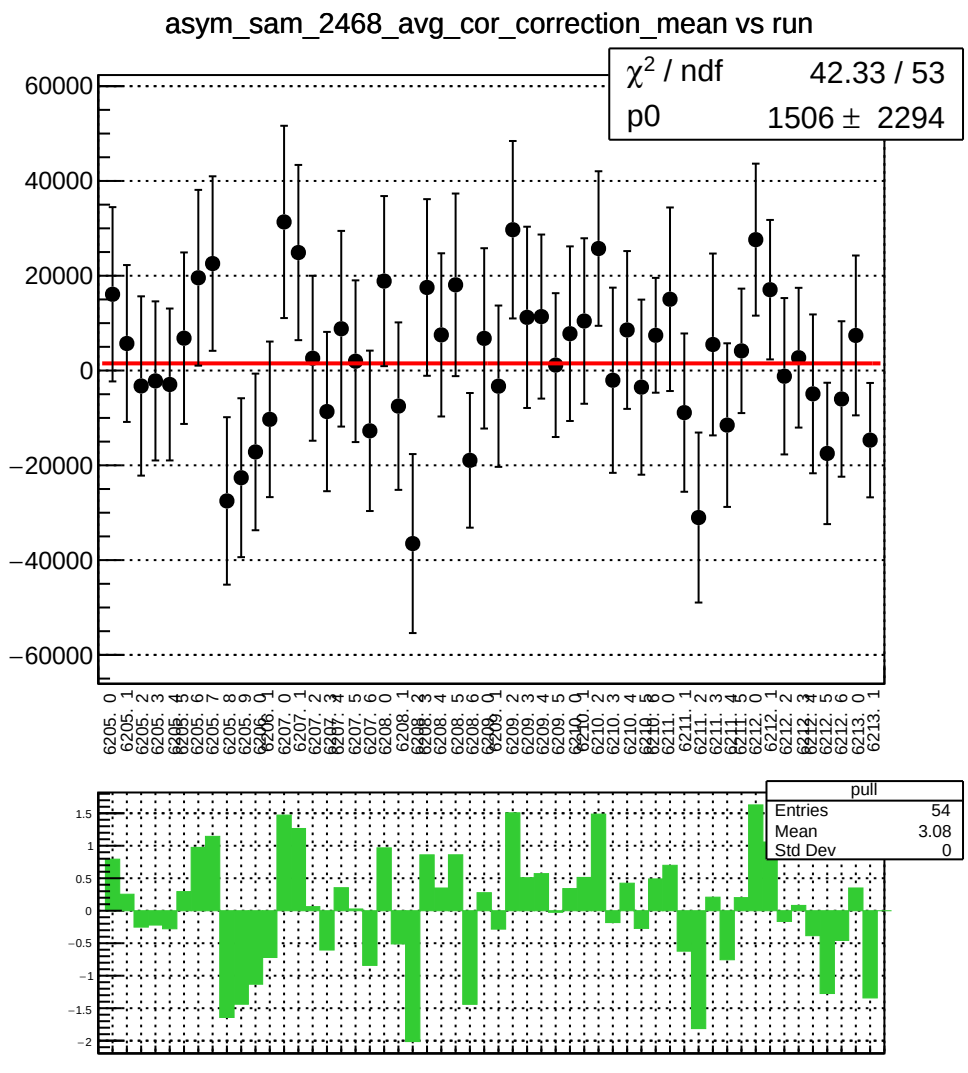

pull1D
Entries 54
Mean 0.02506
Std Dev 0.885

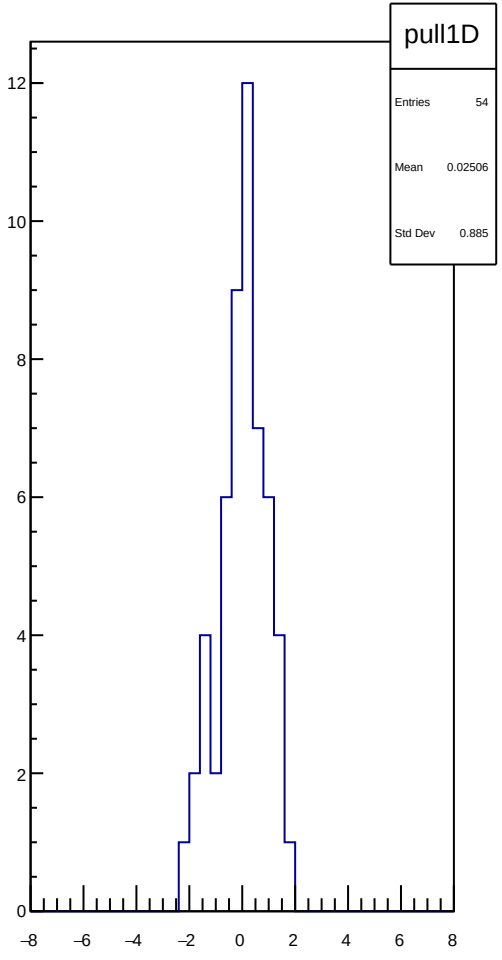

asym_sam_2468_avg_reg_correction_rms vs run
χ² / ndf 6703 / 53
p0 1664 ± 1.622
2000
1900
1800
1700
1600
1500
1400
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

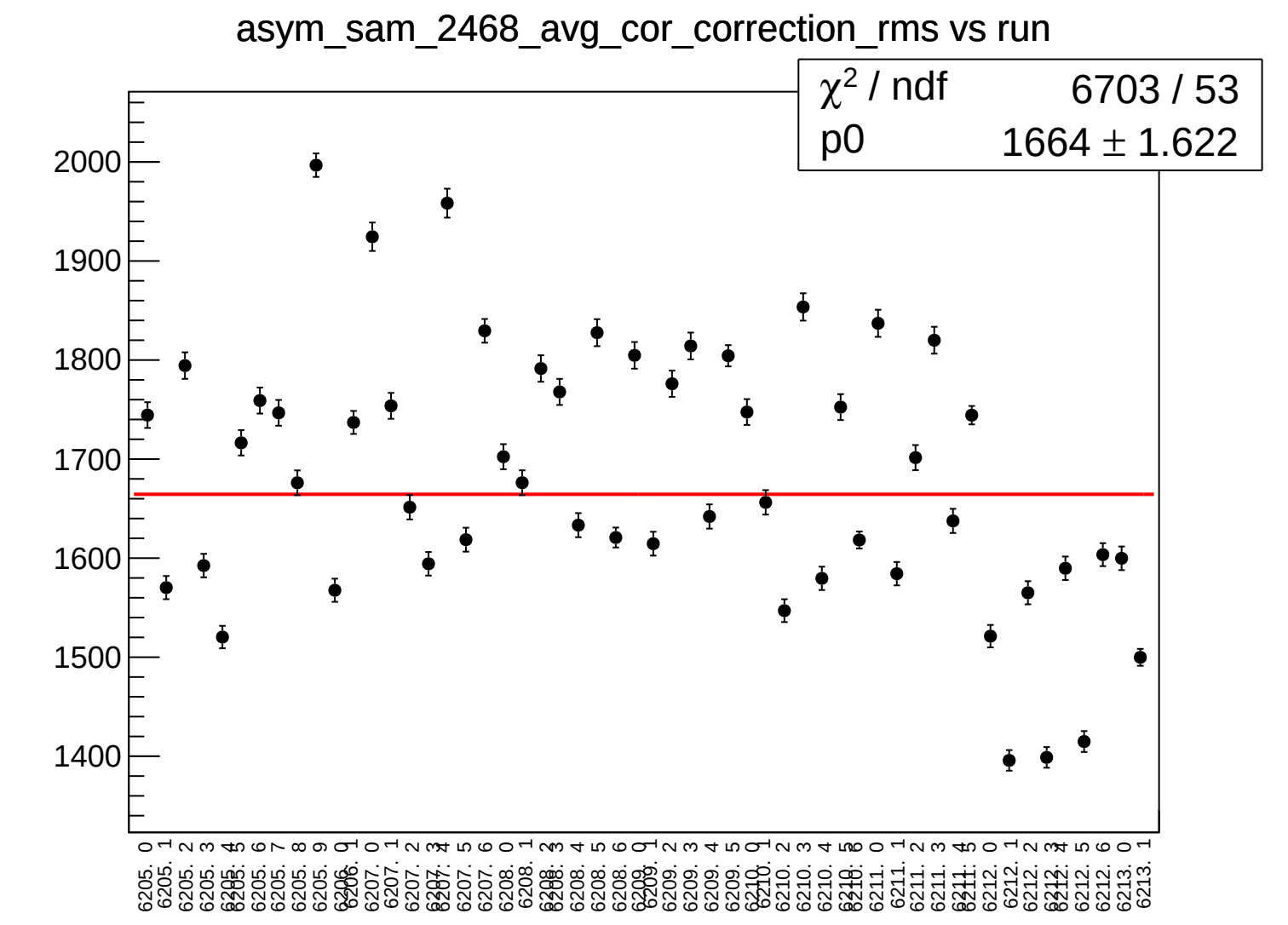

cor_asym_sam_2468_avg_mean vs run
χ² / ndf 48.56 / 53
p0 −138.4 ± 135.6
pull
Entries 54
Mean 837.1
Std Dev 0

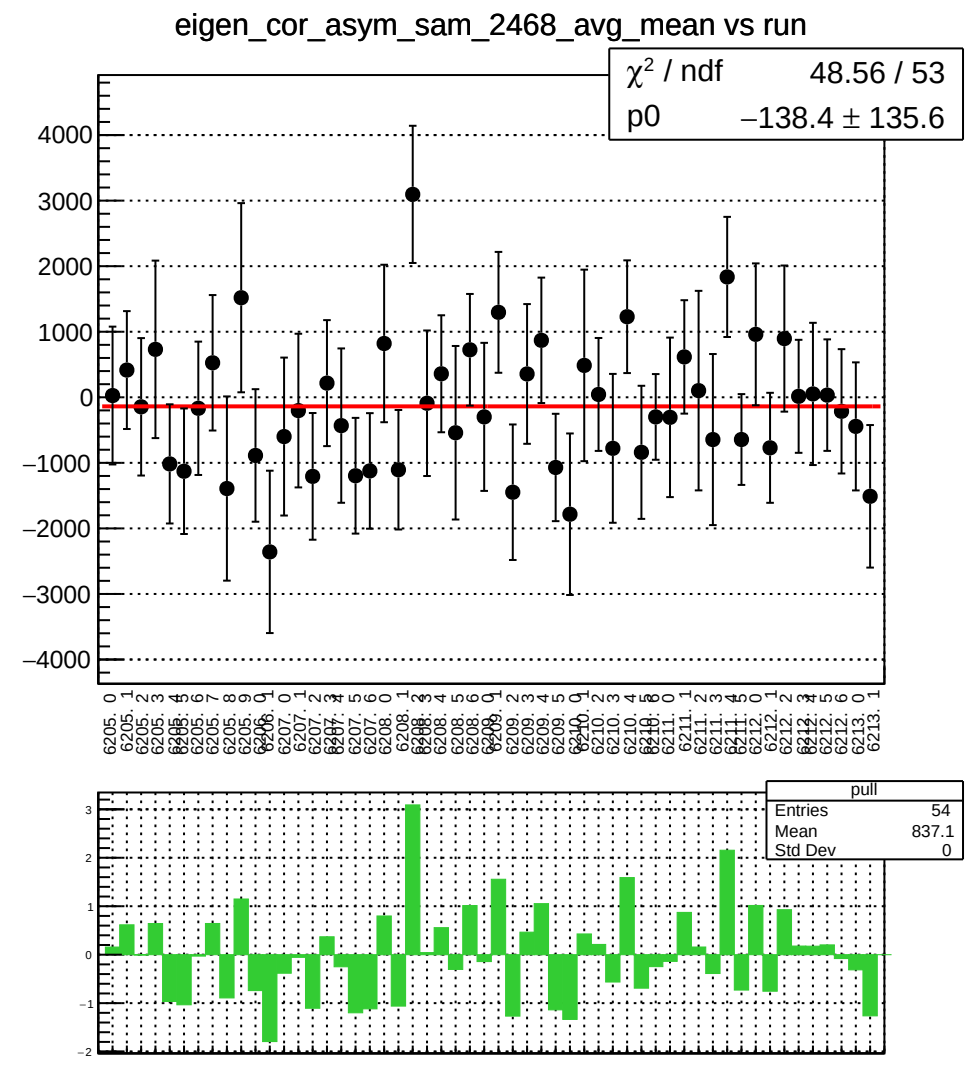

pull1D
Entries 54
Mean 0.001628
Std Dev 0.9483

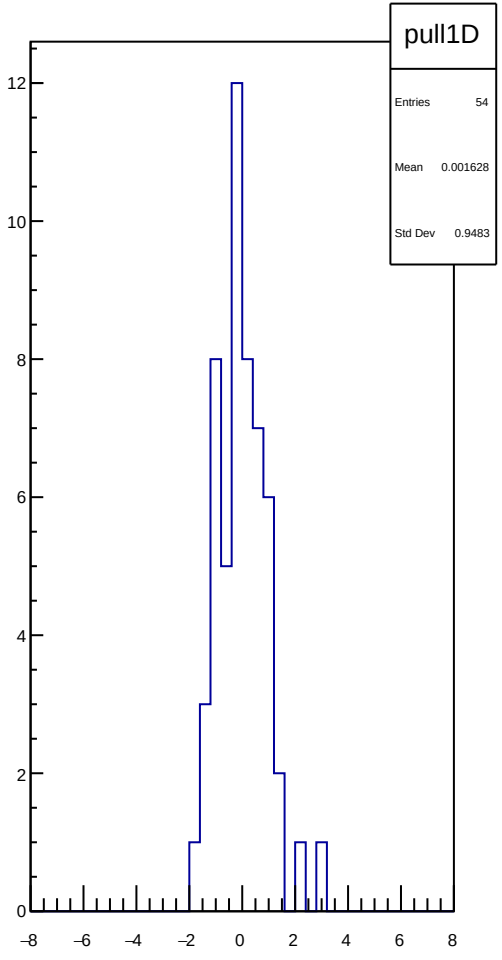

cor_asym_sam_2468_avg_rms vs run
χ² / ndf 2.743e+04 / 53
p0 97.43 ± 0.09591
180
160
140
120
100
80
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

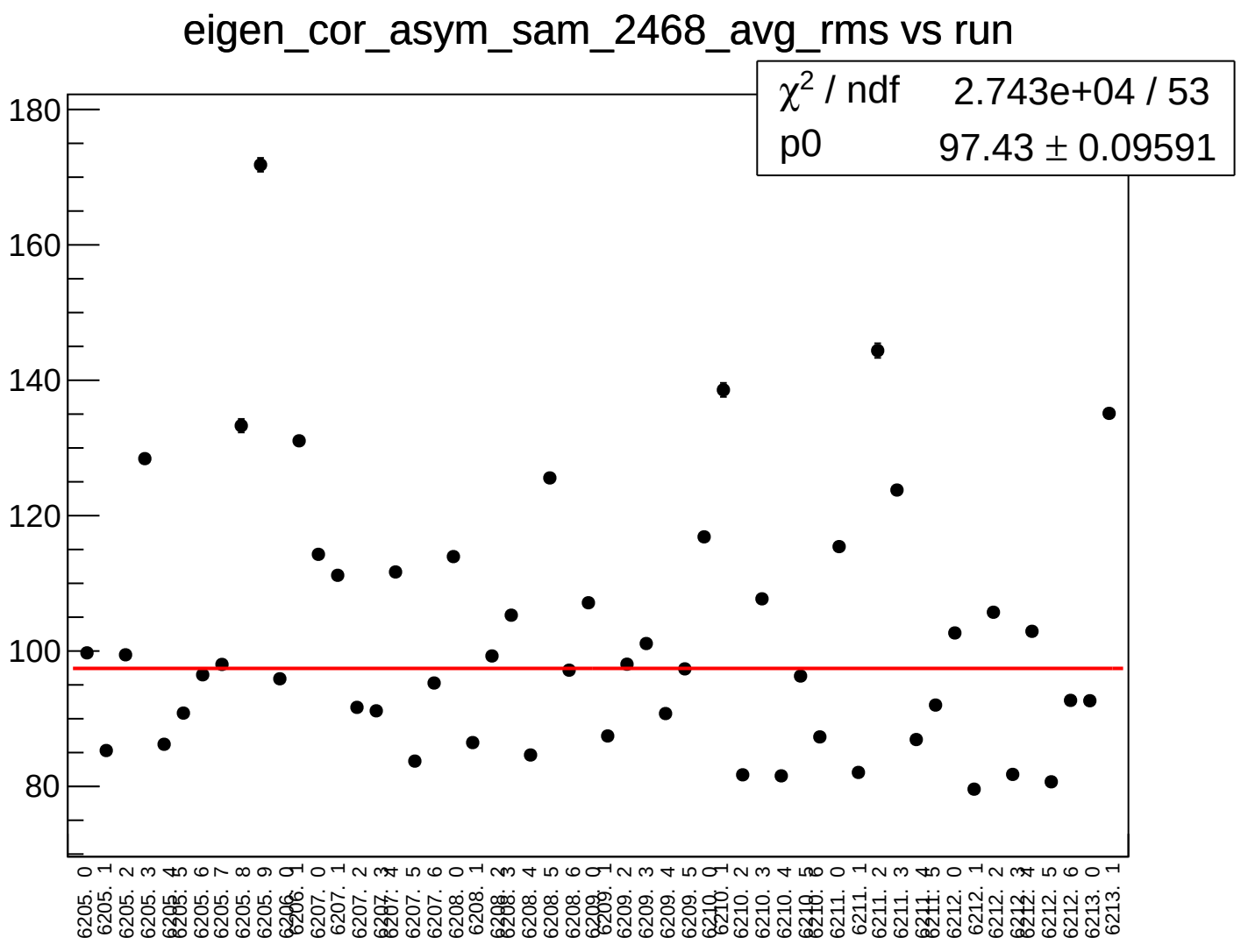

asym_sam_2468_avg_cor_correction_mean vs run
χ² / ndf 42.33 / 53
p0 1506 ± 2294
pull
Entries 54
Mean 3.08
Std Dev 0


pull1D
Entries 54
Mean 0.02506
Std Dev 0.885


asym_sam_2468_avg_cor_correction_rms vs run
χ² / ndf 6703 / 53
p0 1664 ± 1.622
2000
1900
1800
1700
1600
1500
1400
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


eigen_cor_asym_sam_2468_avg_mean vs run
χ² / ndf 48.56 / 53
p0 −138.4 ± 135.6
pull
Entries 54
Mean 837.1
Std Dev 0


pull1D
Entries 54
Mean 0.001628
Std Dev 0.9483


eigen_cor_asym_sam_2468_avg_rms vs run
χ² / ndf 2.743e+04 / 53
p0 97.43 ± 0.09591
180
160
140
120
100
80
6205. 0
6205. 1
6205. 2
6205. 3
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 1
6210. 2
6210. 3
6210. 4
6211. 0
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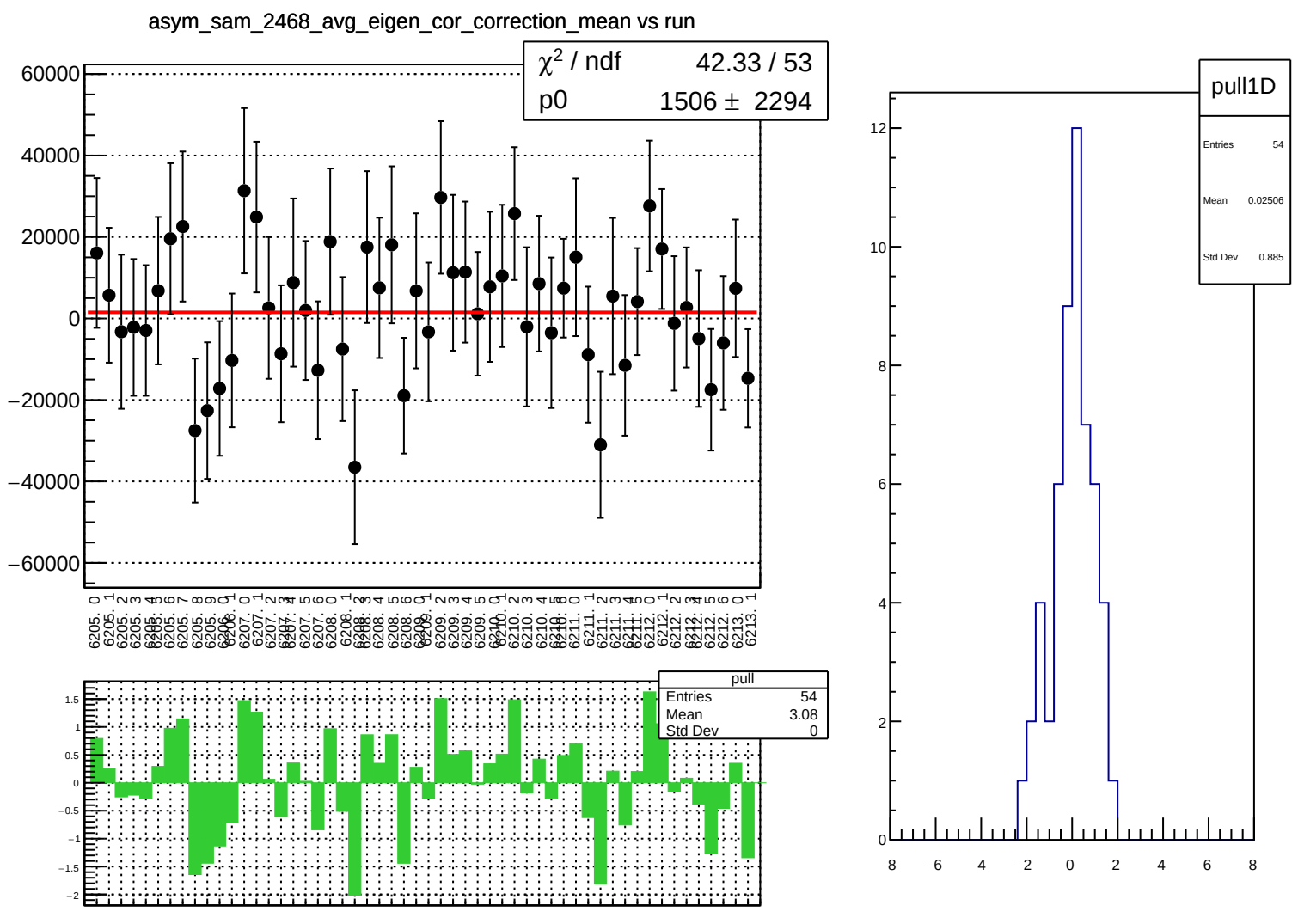
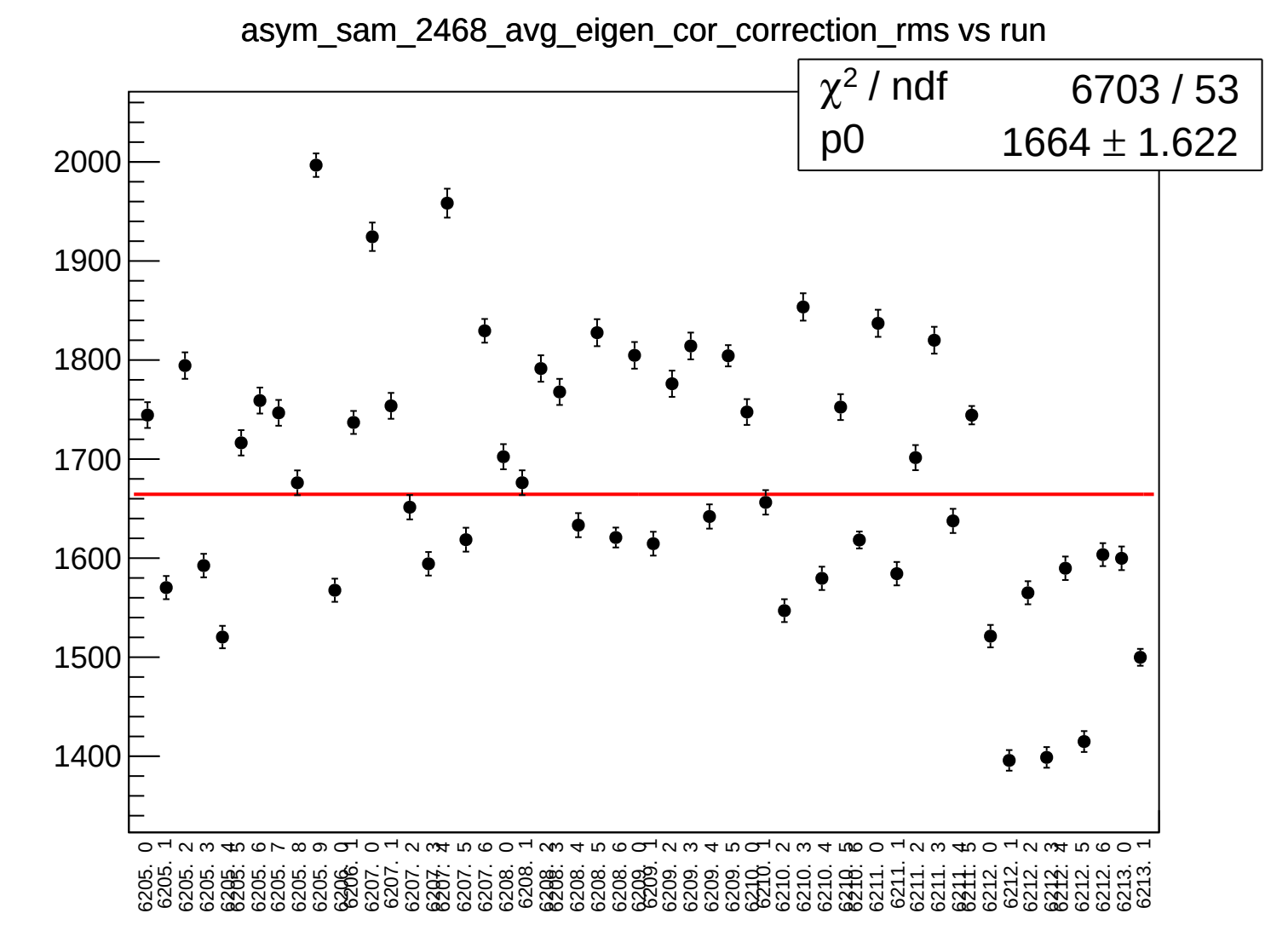
6213. 0
6213. 1


asym_sam_2468_avg_eigen_cor_correction_mean vs run
χ² / ndf 42.33 / 53
p0 1506 ± 2294
pull
Entries 54
Mean 3.08
Std Dev 0
pull1D
Entries 54
Mean 0.02506
Std Dev 0.885


asym_sam_2468_avg_eigen_cor_correction_rms vs run
χ² / ndf 6703 / 53
p0 1664 ± 1.622
2000
1900
1800
1700
1600
1500
1400
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
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6212. 1
6212. 2
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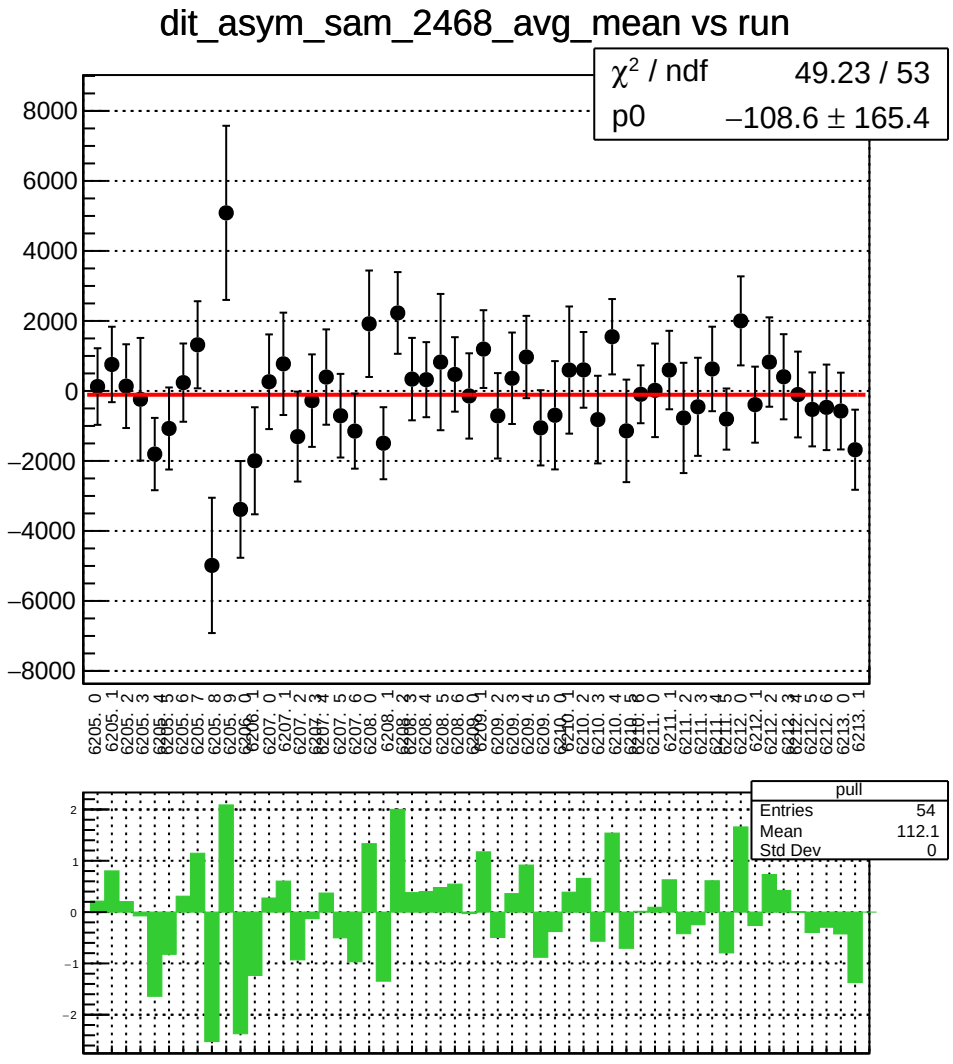
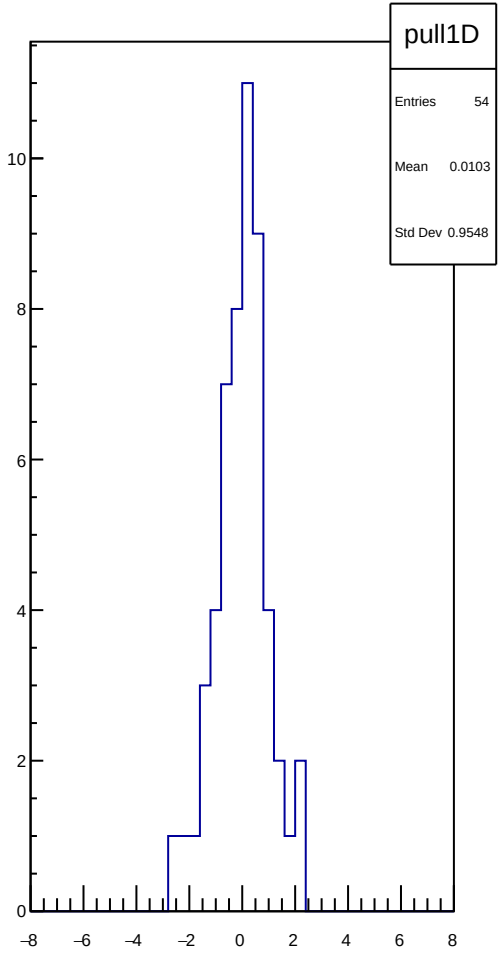
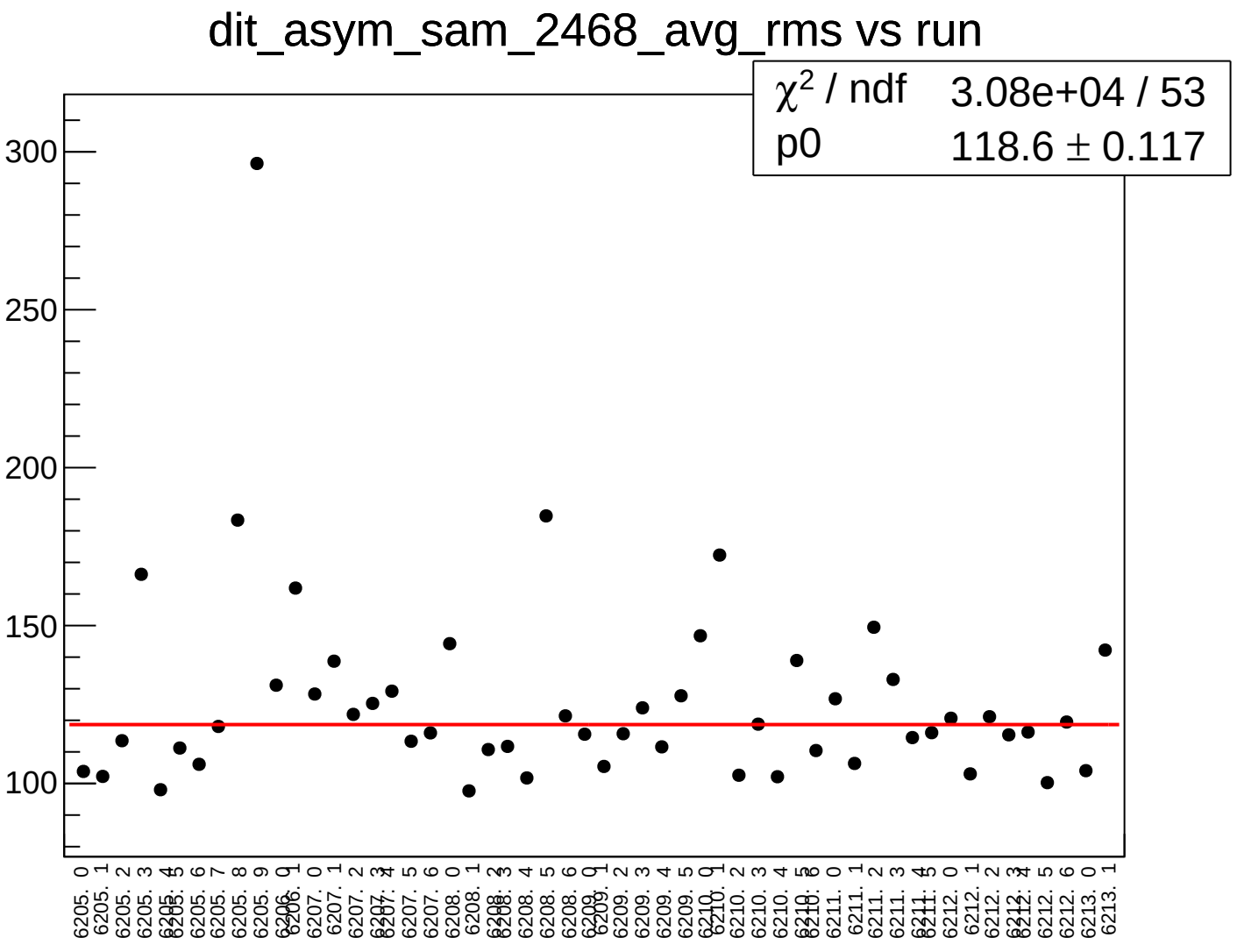
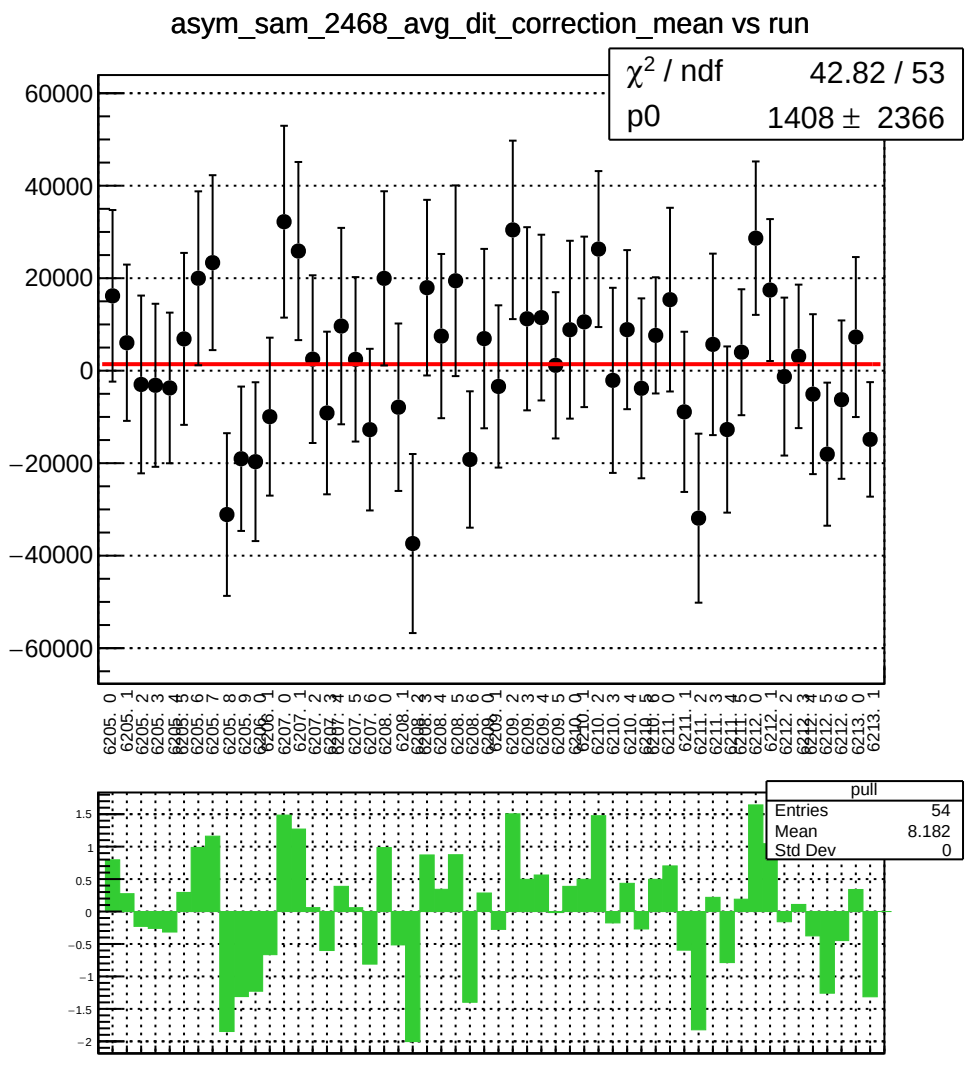
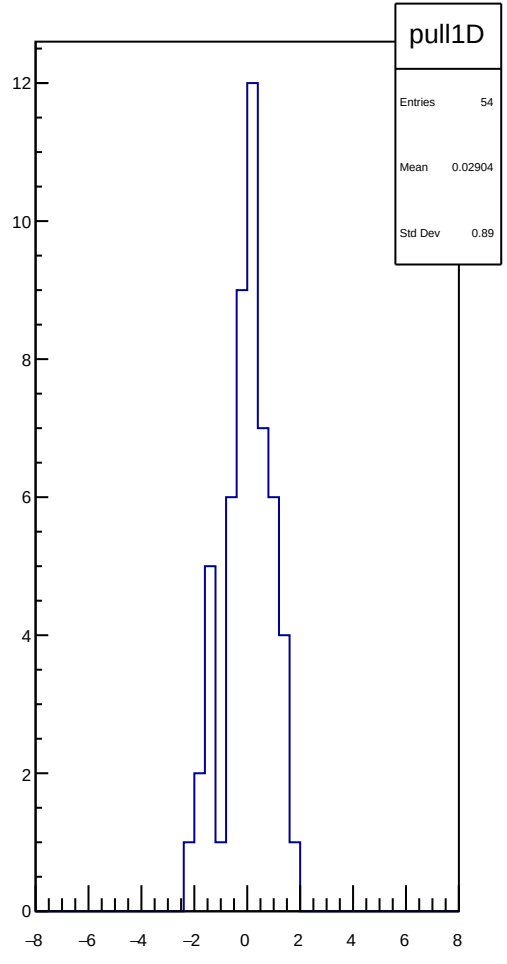
6212. 6
6213. 0
6213. 1

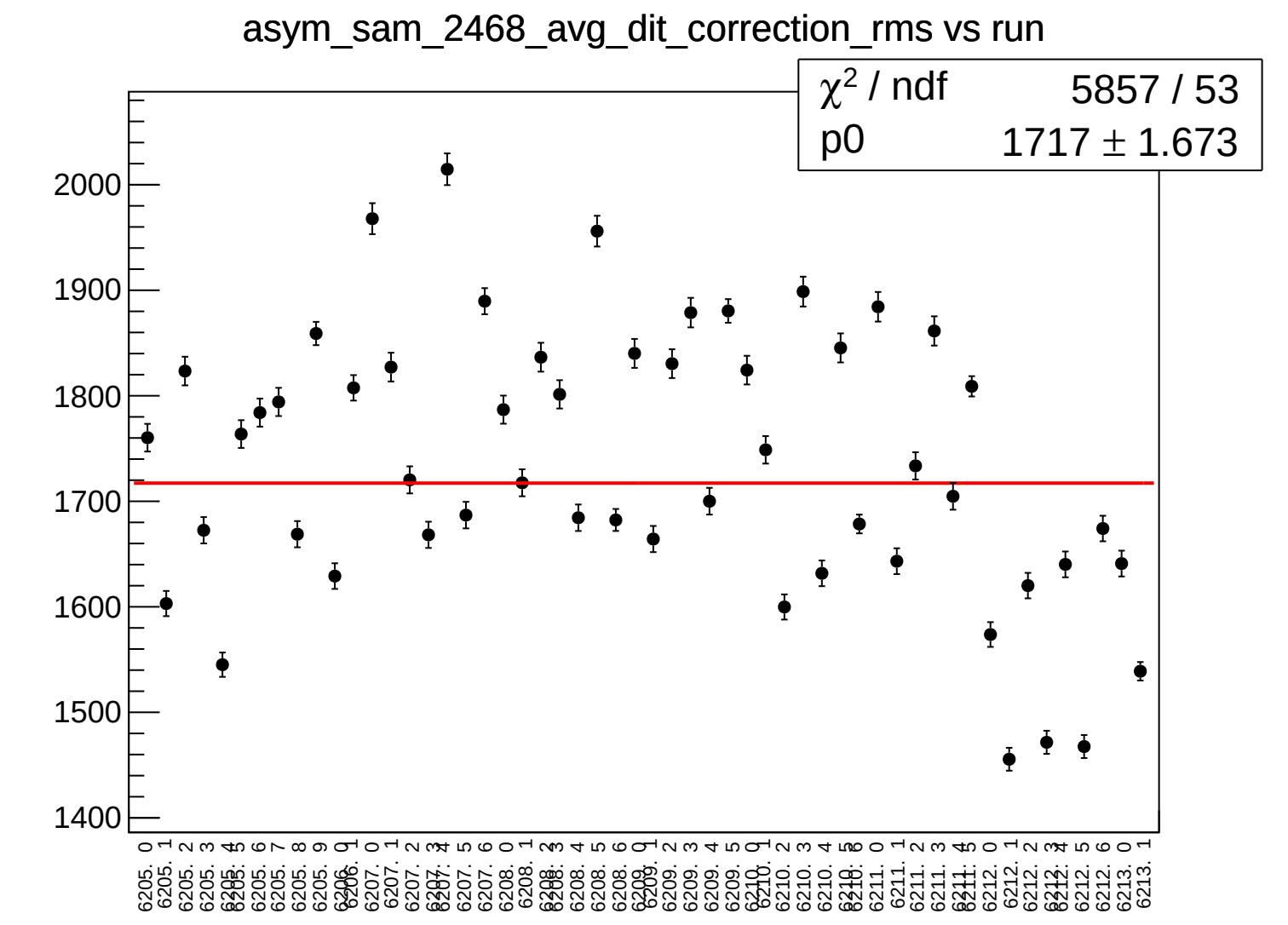

dit_asym_sam_2468_avg_mean vs run
χ² / ndf 49.23 / 53
p0 −108.6 ± 165.4
pull
Entries 54
Mean 112.1
Std Dev 0

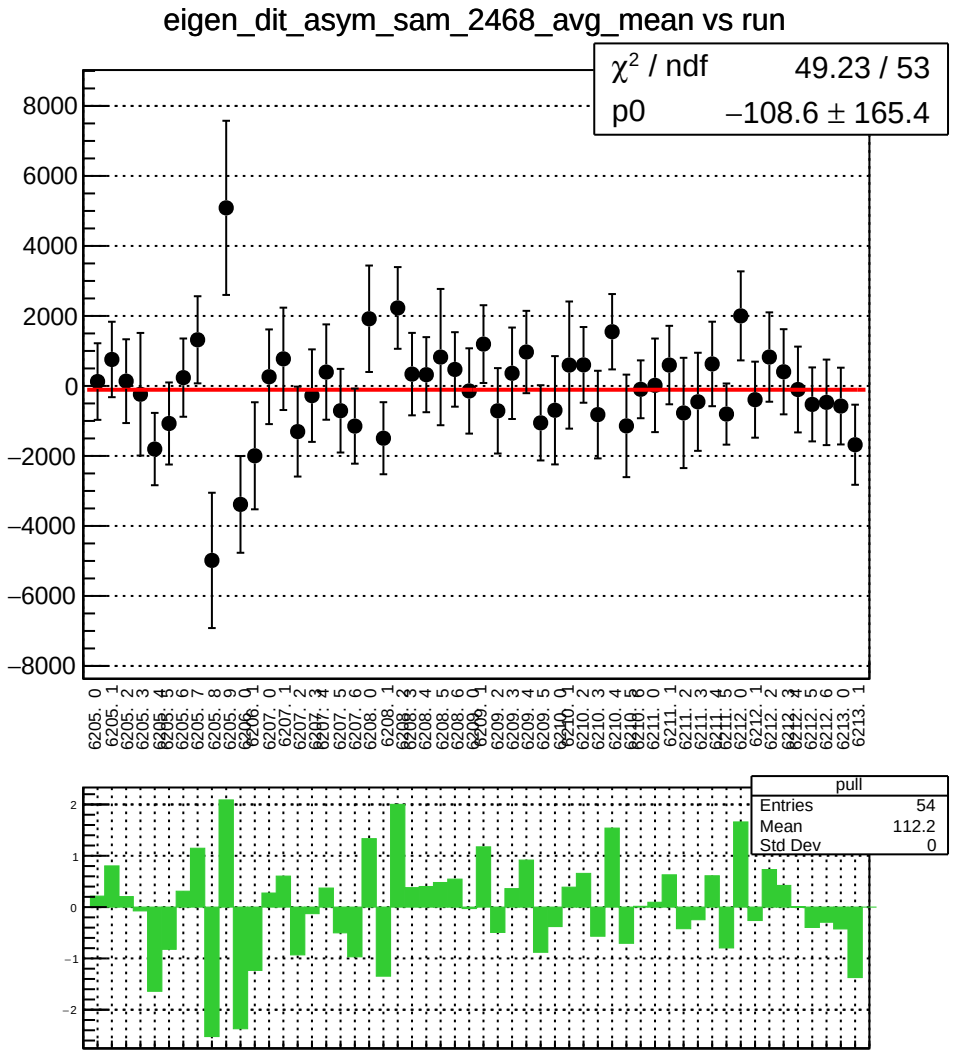

pull1D
Entries 54
Mean 0.0103
Std Dev 0.9548

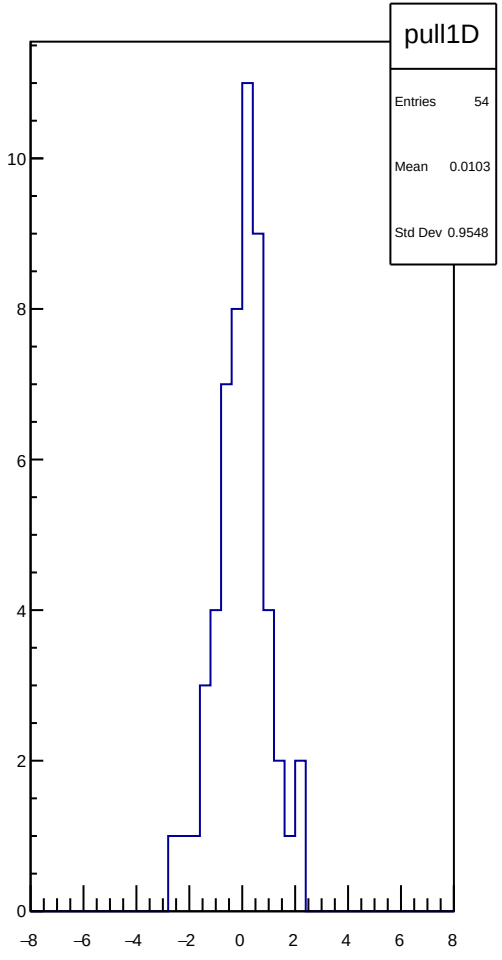

dit_asym_sam_2468_avg_rms vs run
χ² / ndf 3.08e+04 / 53
p0 118.6 ± 0.117
300
250
200
150
100
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

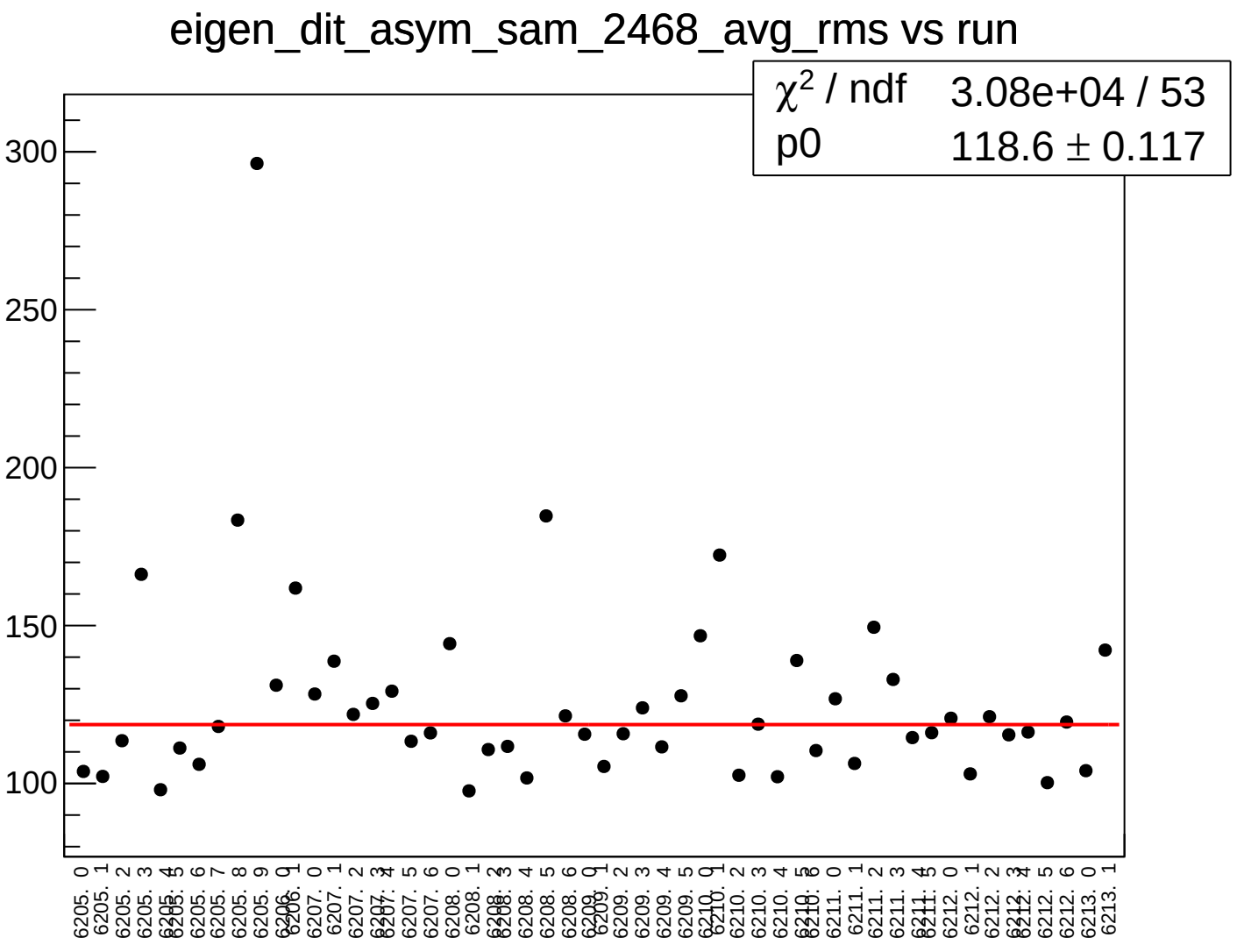

asym_sam_2468_avg_dit_correction_mean vs run
χ² / ndf 42.82 / 53
p0 1408 ± 2366
pull
Entries 54
Mean 8.182
Std Dev 0

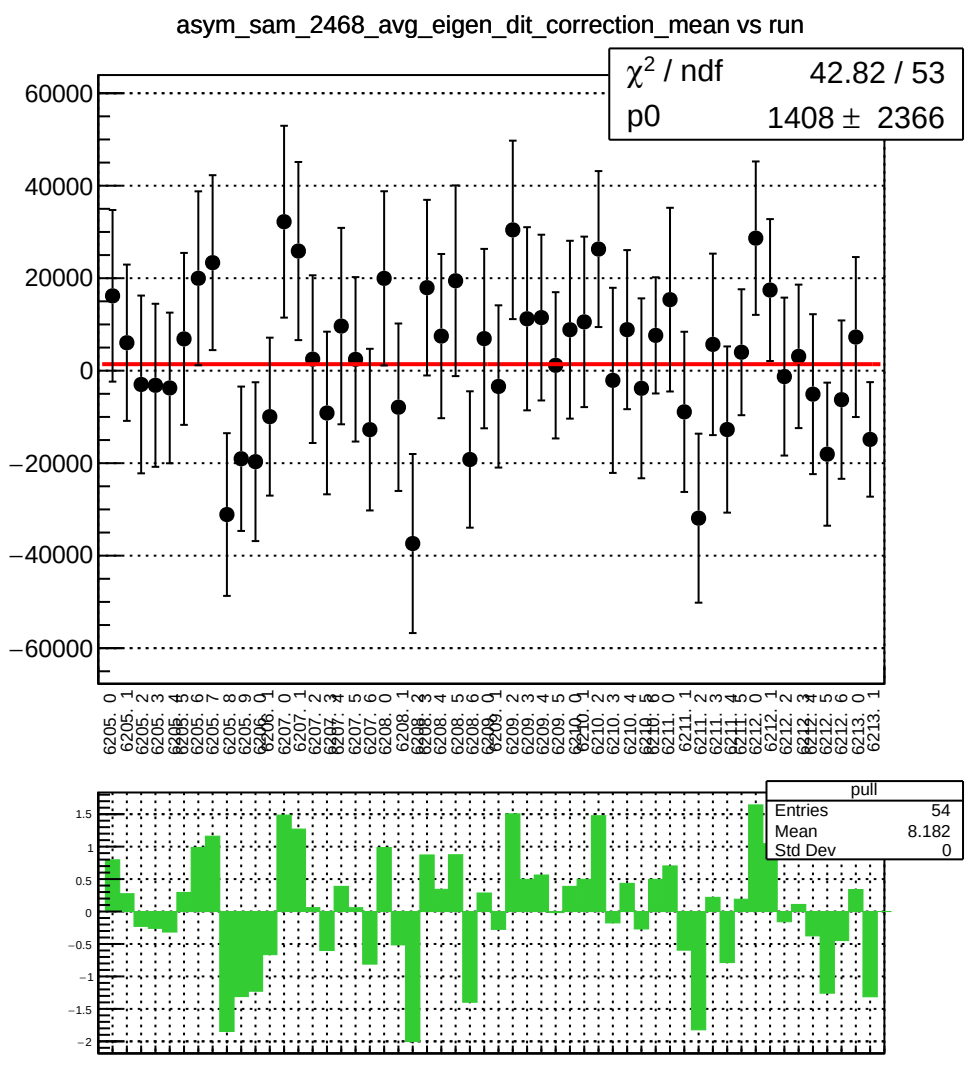

pull1D
Entries 54
Mean 0.02904
Std Dev 0.89

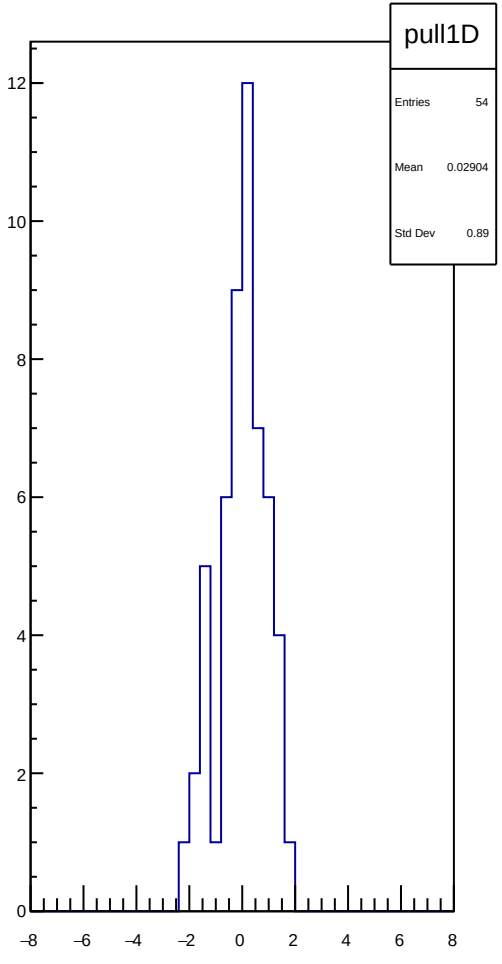

asym_sam_2468_avg_dit_correction_rms vs run
χ² / ndf 5857 / 53
p0 1717 ± 1.673
2000
1900
1800
1700
1600
1500
1400
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

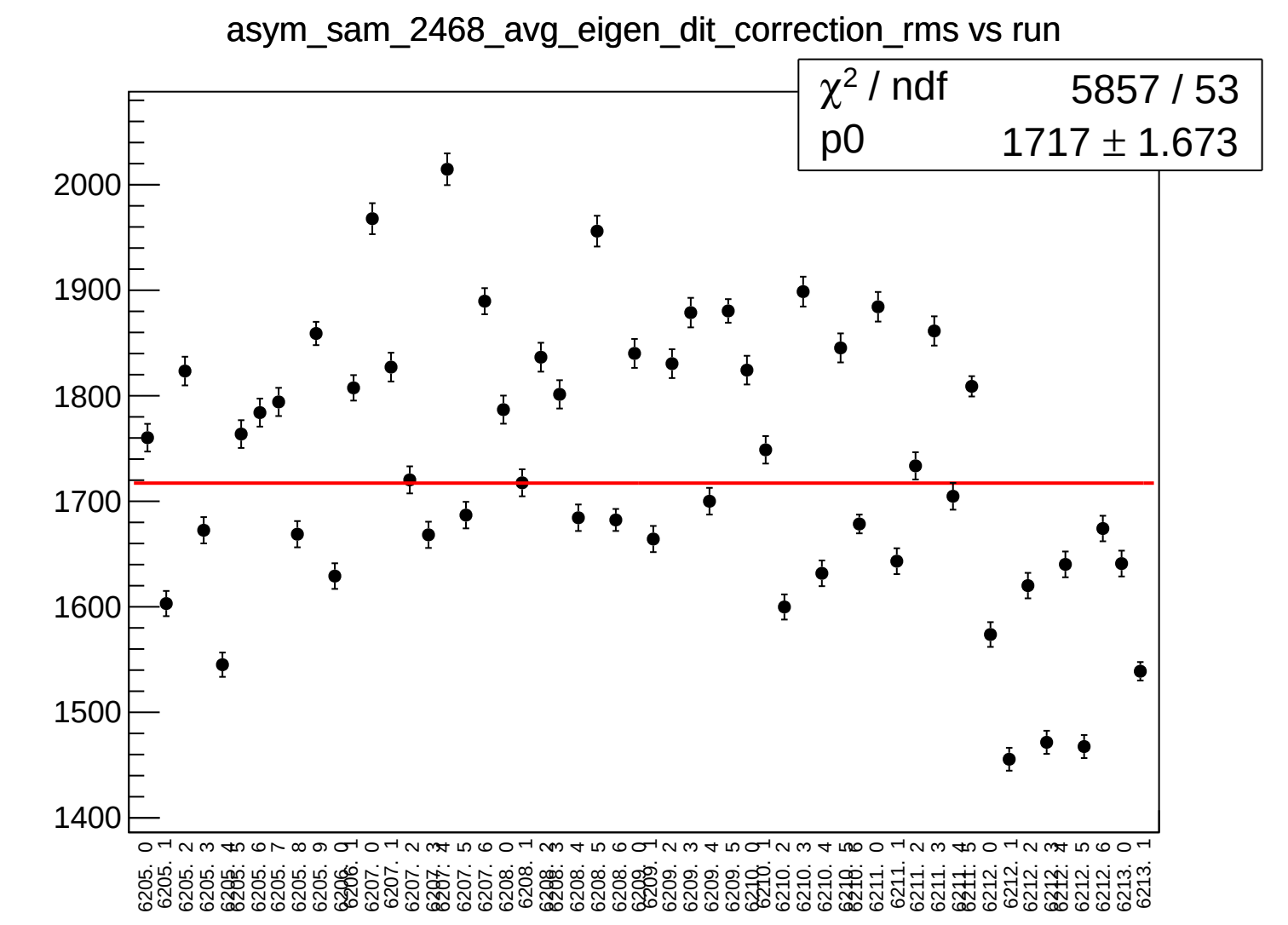

eigen_dit_asym_sam_2468_avg_mean vs run
χ² / ndf 49.23 / 53
p0 −108.6 ± 165.4
pull
Entries 54
Mean 112.2
Std Dev 0

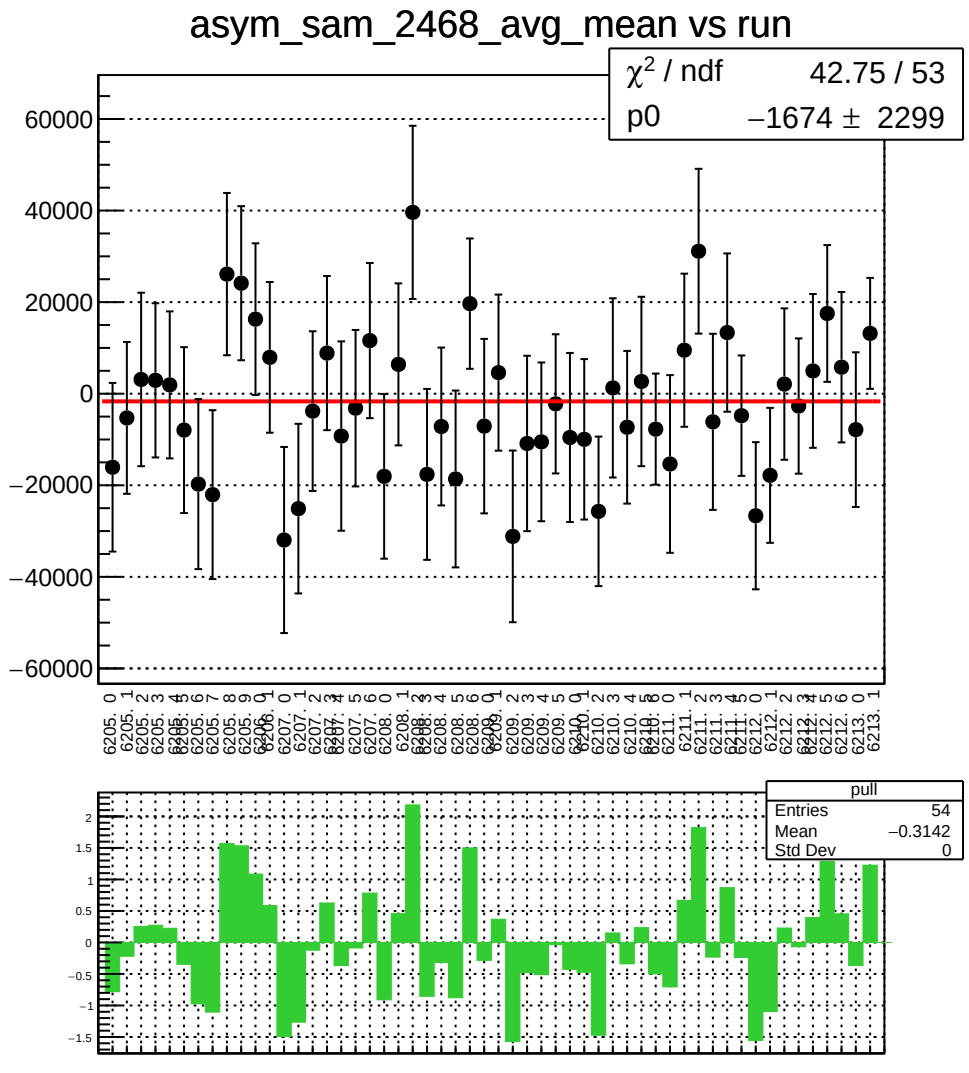

pull1D
Entries 54
Mean 0.0103
Std Dev 0.9548

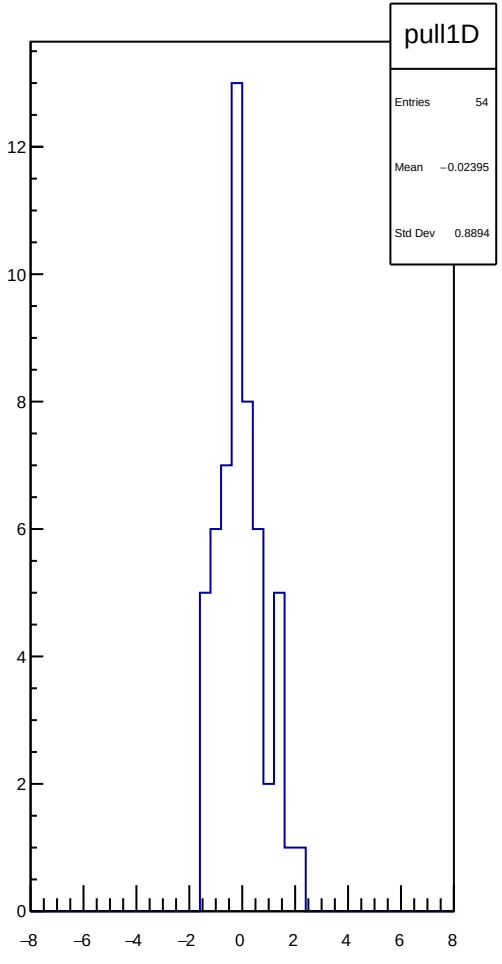

eigen_dit_asym_sam_2468_avg_rms vs run
χ² / ndf 3.08e+04 / 53
p0 118.6 ± 0.117
300
250
200
150
100
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

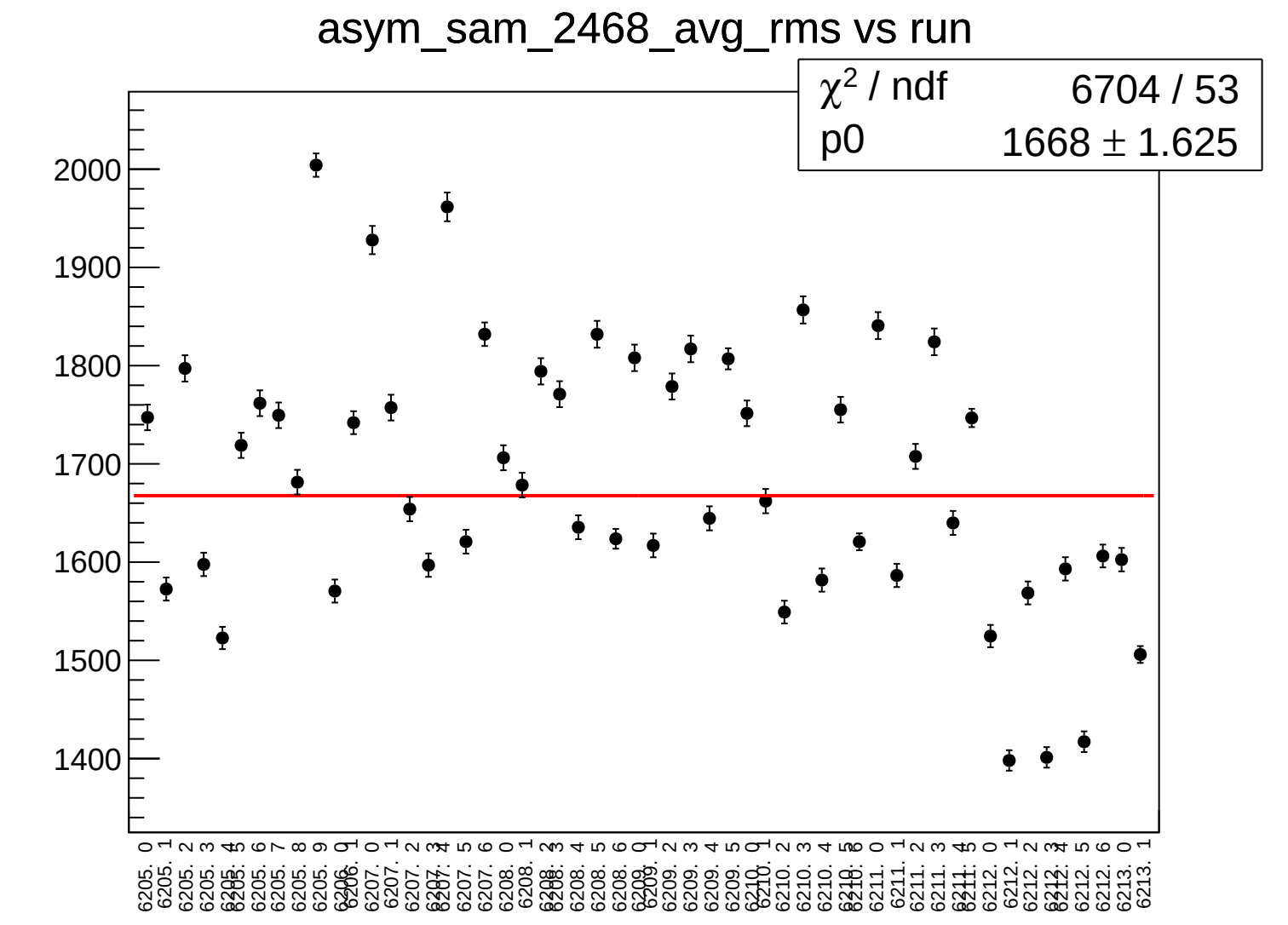

asym_sam_2468_avg_eigen_dit_correction_mean vs run
χ² / ndf 42.82 / 53
p0 1408 ± 2366
pull
Entries 54
Mean 8.182
Std Dev 0

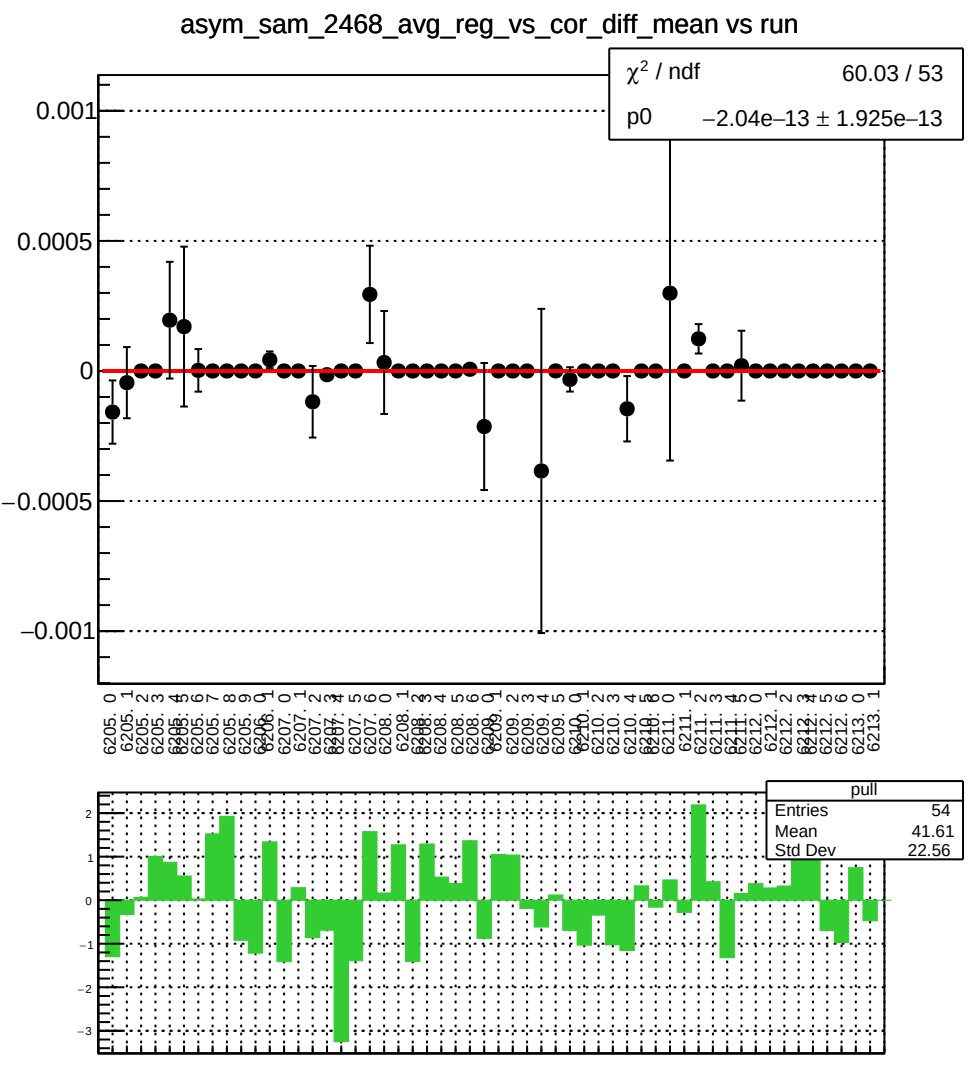

pull1D
Entries 54
Mean 0.02904
Std Dev 0.89

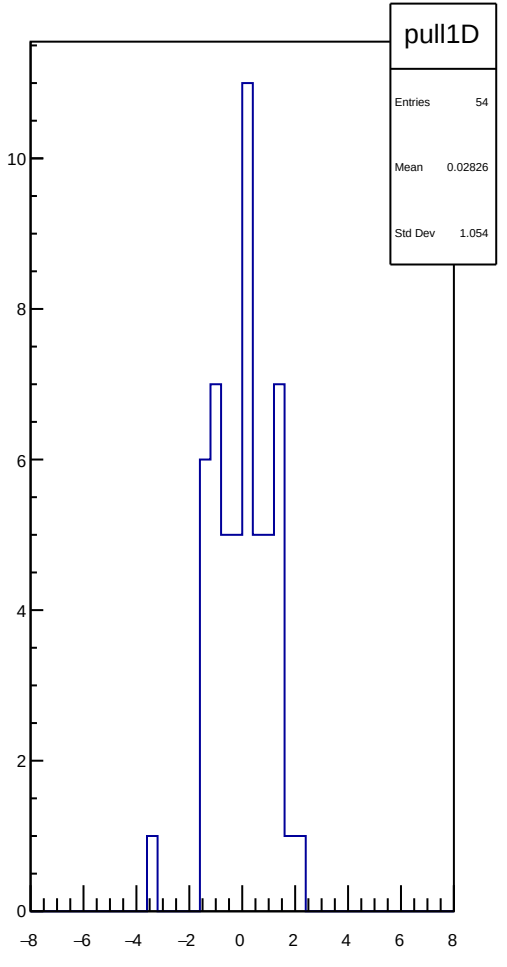

asym_sam_2468_avg_eigen_dit_correction_rms vs run
χ² / ndf 5857 / 53
p0 1717 ± 1.673
2000
1900
1800
1700
1600
1500
1400
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

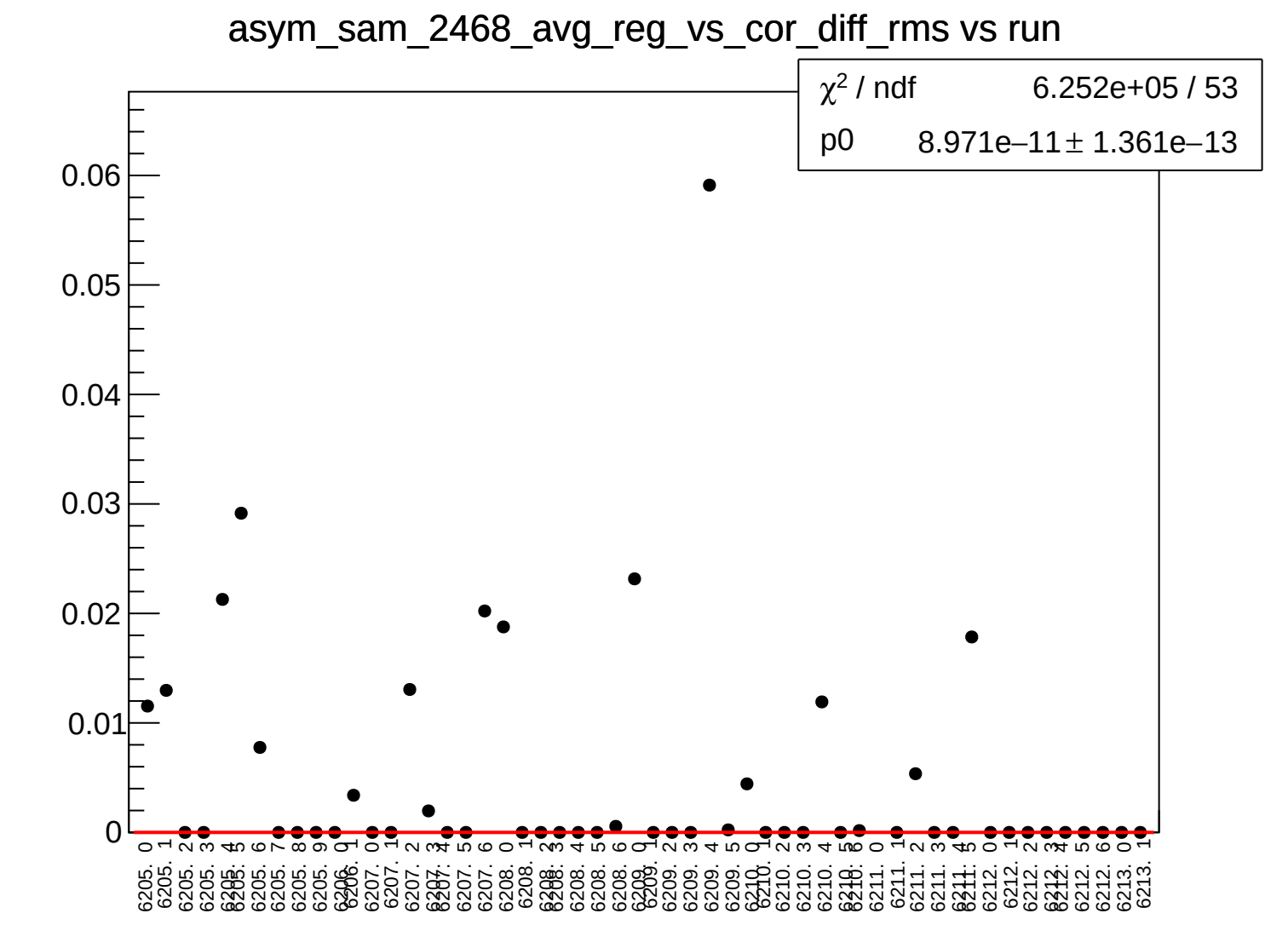

asym_sam_2468_avg_mean vs run
χ² / ndf 42.75 / 53
p0 −1674 ± 2299
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean −0.3142
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

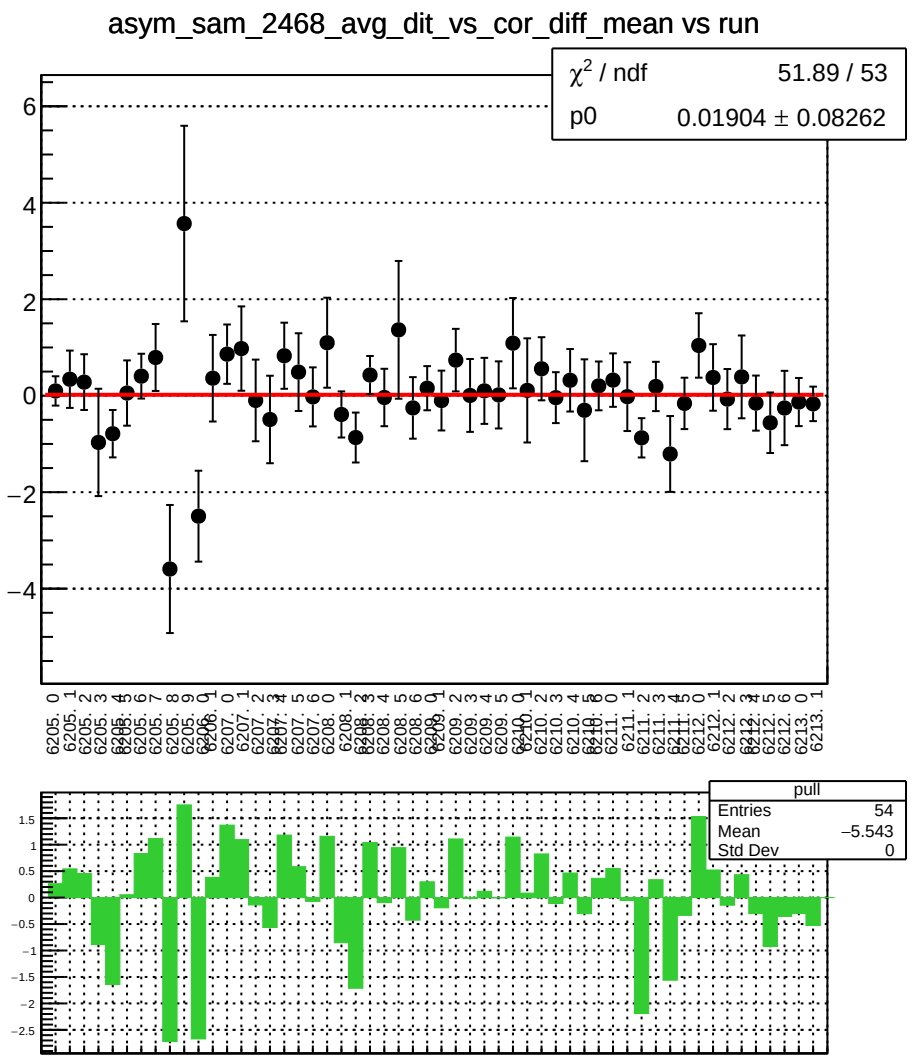

pull1D
Entries 54
Mean −0.02395
Std Dev 0.8894
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

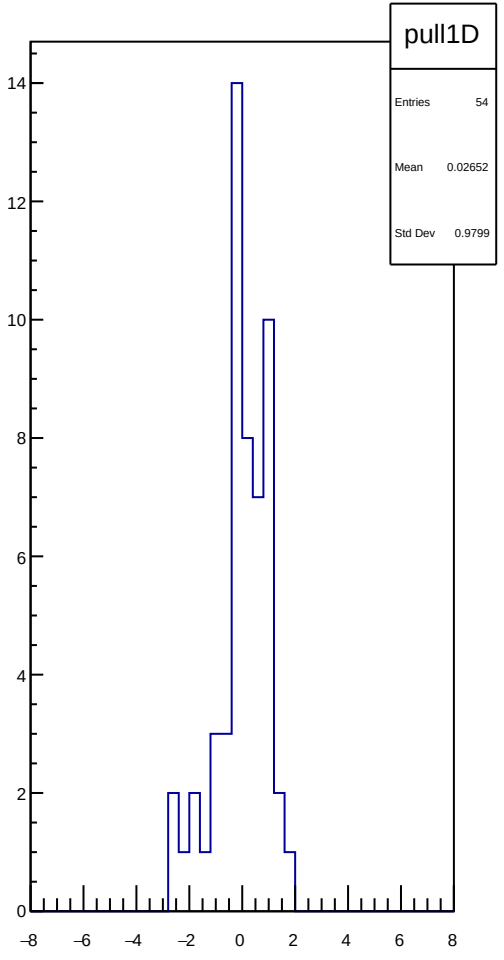

asym_sam_2468_avg_rms vs run
χ^2 / ndf 6704 / 53
p0 1668 ± 1.625
2000
1900
1800
1700
1600
1500
1400
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

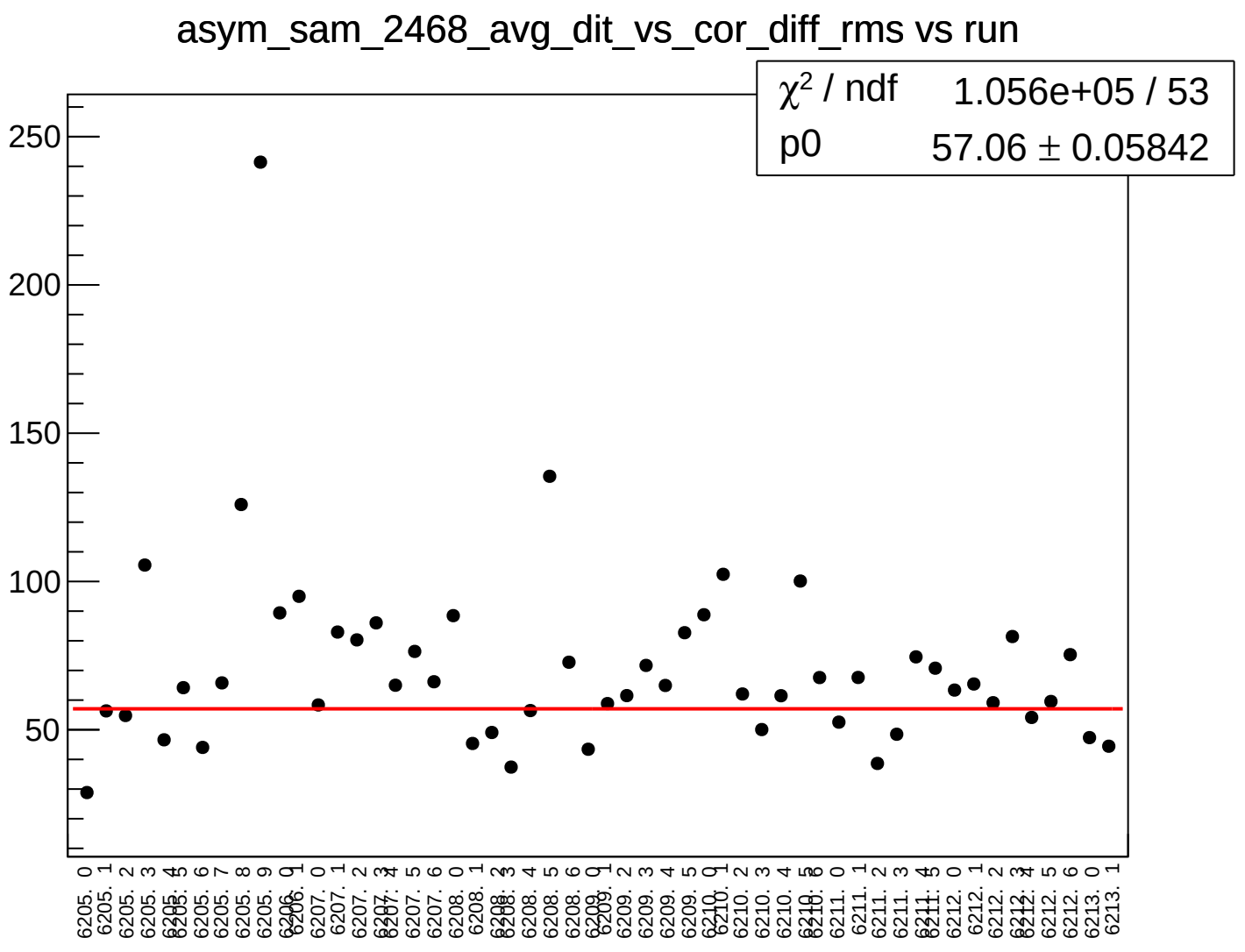

asym_sam_2468_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 60.03 / 53
p0 −2.04e−13 ± 1.925e−13
0.001
0.0005
0
−0.0005
−0.001
pull
Entries 54
Mean 41.61
Std Dev 22.56
2
1
0
−1
−2
−3

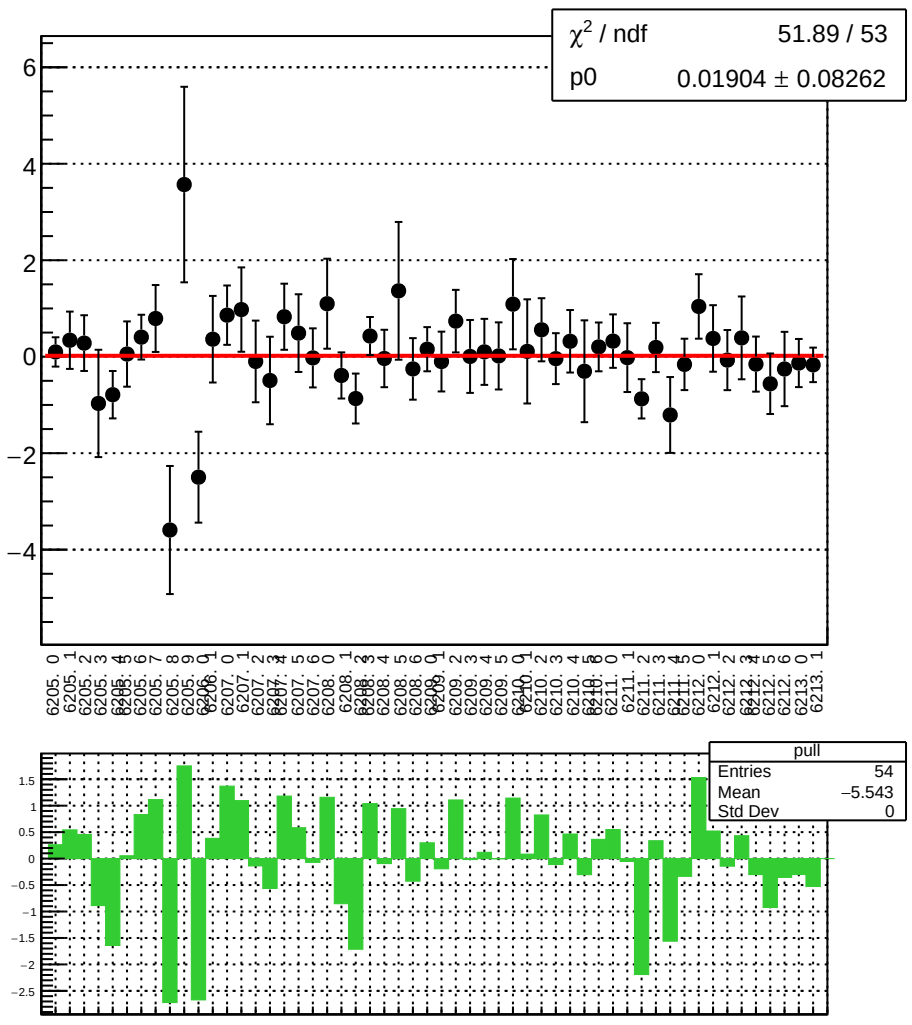

pull1D
Entries 54
Mean 0.02826
Std Dev 1.054
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

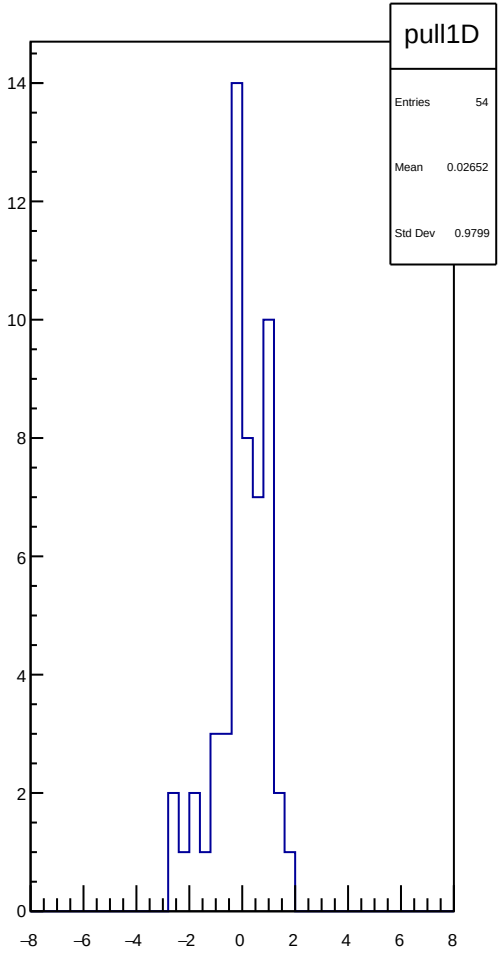

asym_sam_2468_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.252e+05 / 53
p0 8.971e−11 ± 1.361e−13
0.06
0.05
0.04
0.03
0.02
0.01
0

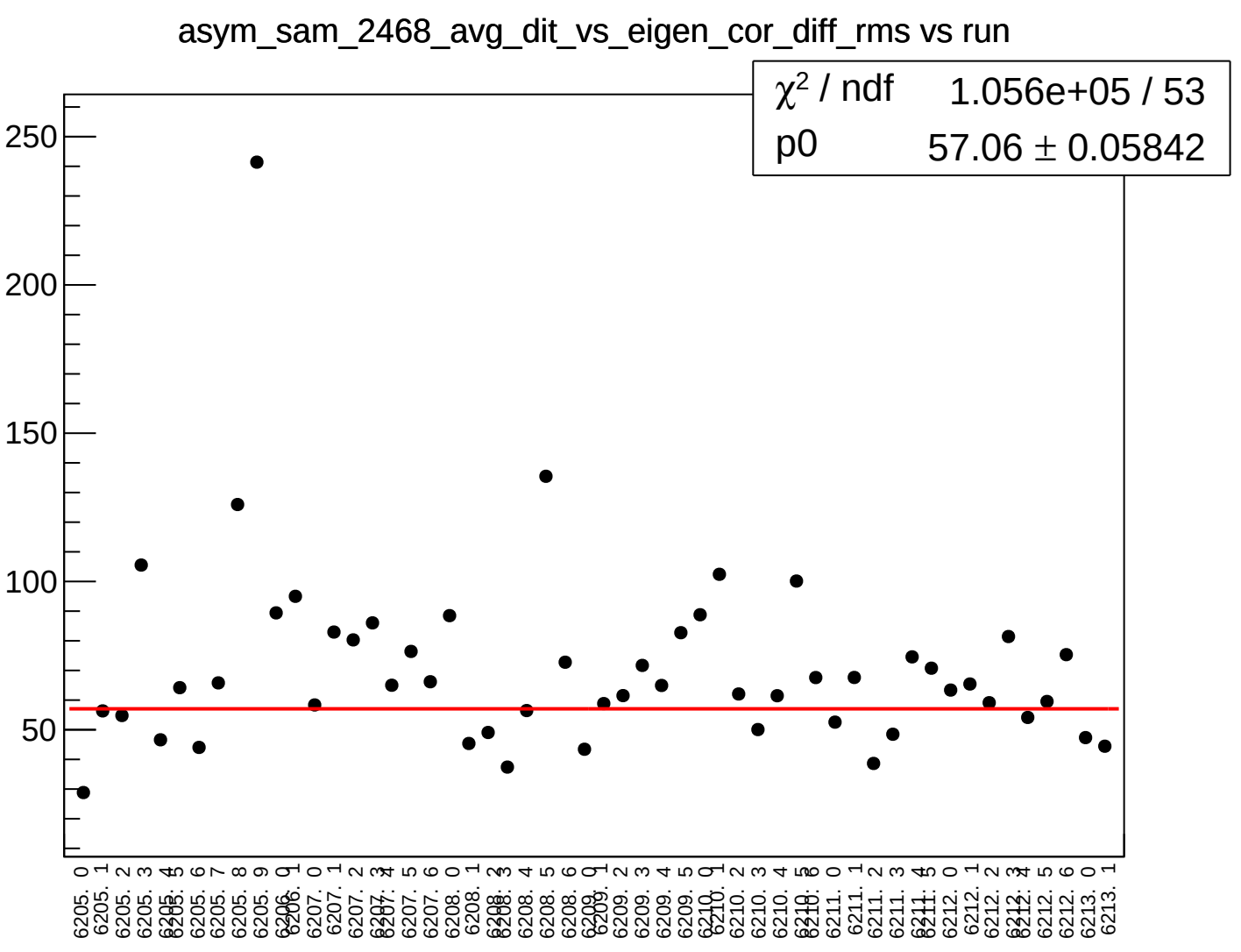

asym_sam_2468_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 51.89 / 53
p0 0.01904 ± 0.08262
pull
Entries 54
Mean −5.543
Std Dev 0

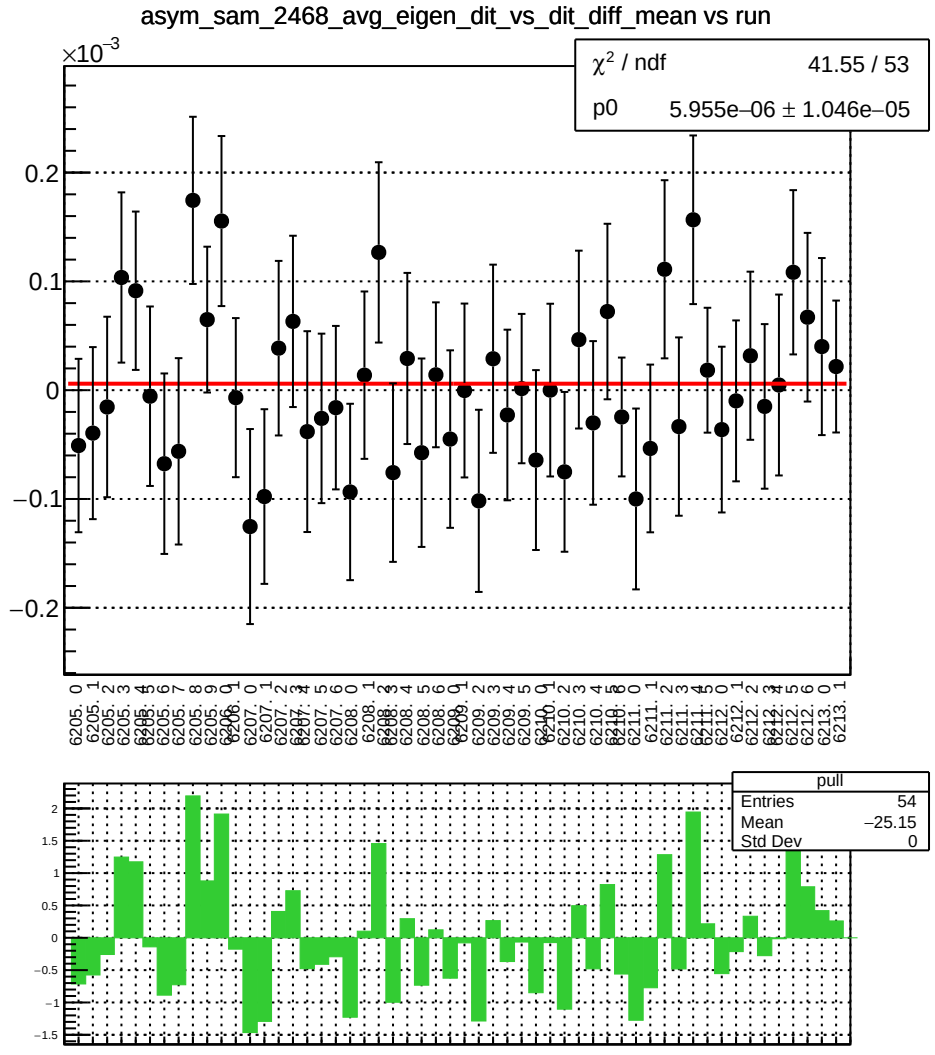

pull1D
Entries 54
Mean 0.02652
Std Dev 0.9799

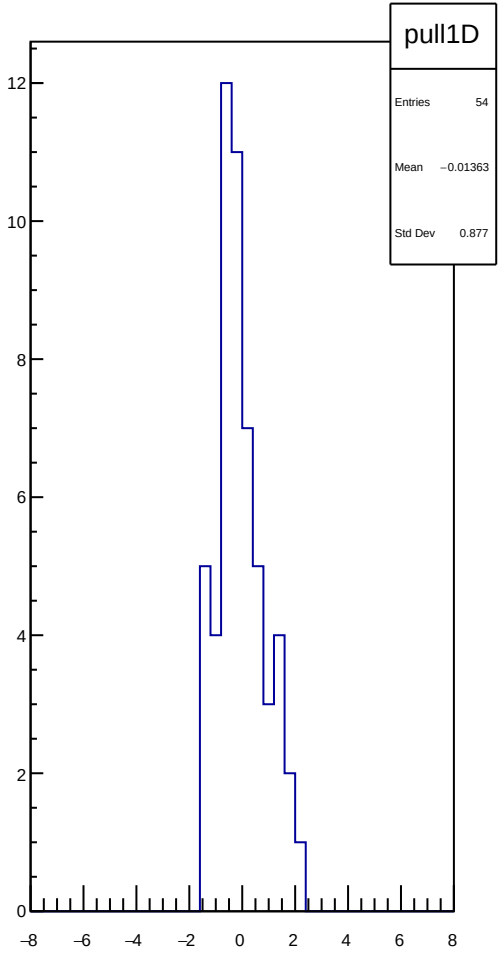

asym_sam_2468_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.056e+05 / 53
p0 57.06 ± 0.05842
250
200
150
100
50
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

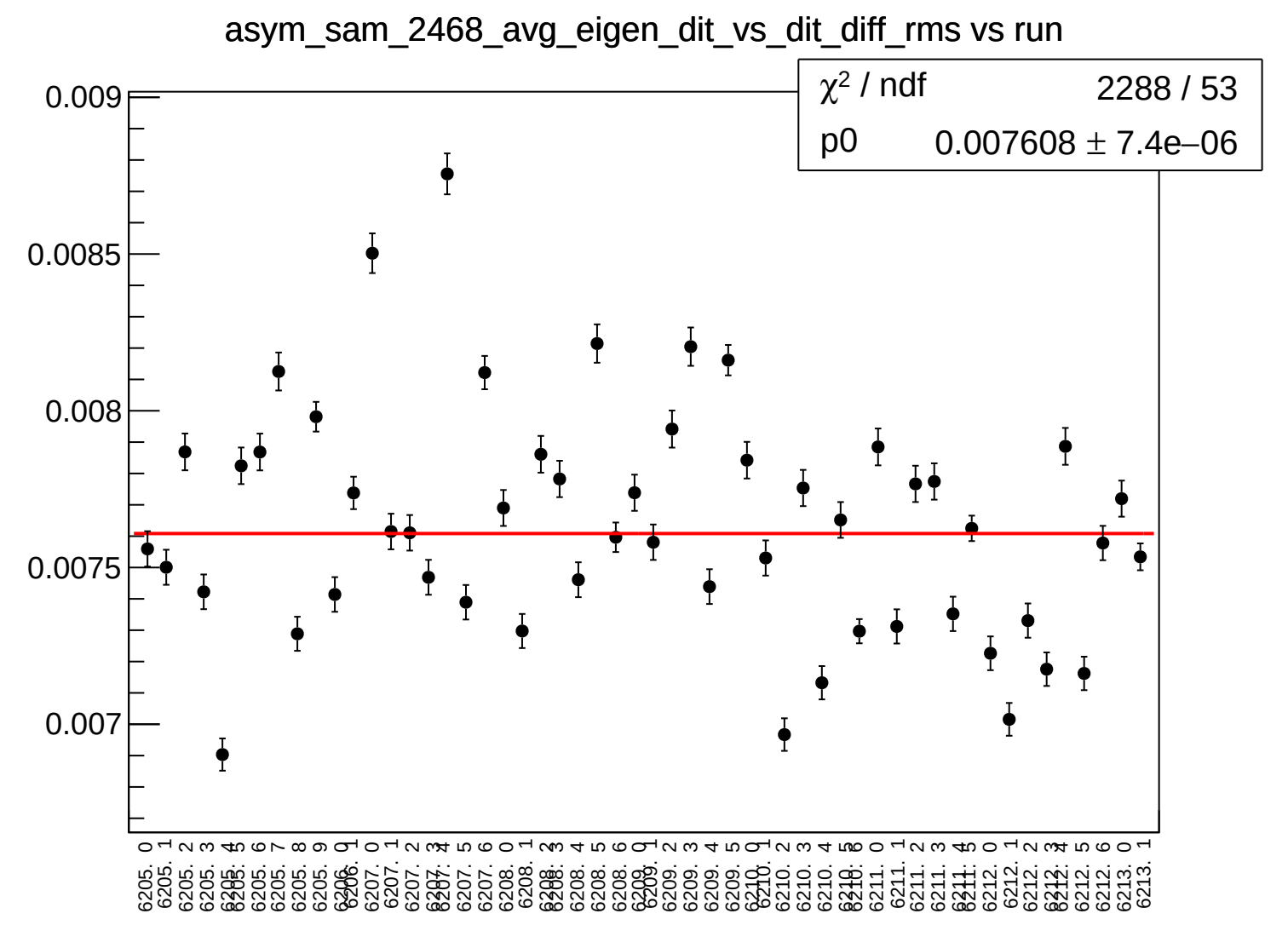

asym_sam_2468_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 51.89 / 53
p0 0.01904 ± 0.08262
pull
Entries 54
Mean −5.543
Std Dev 0

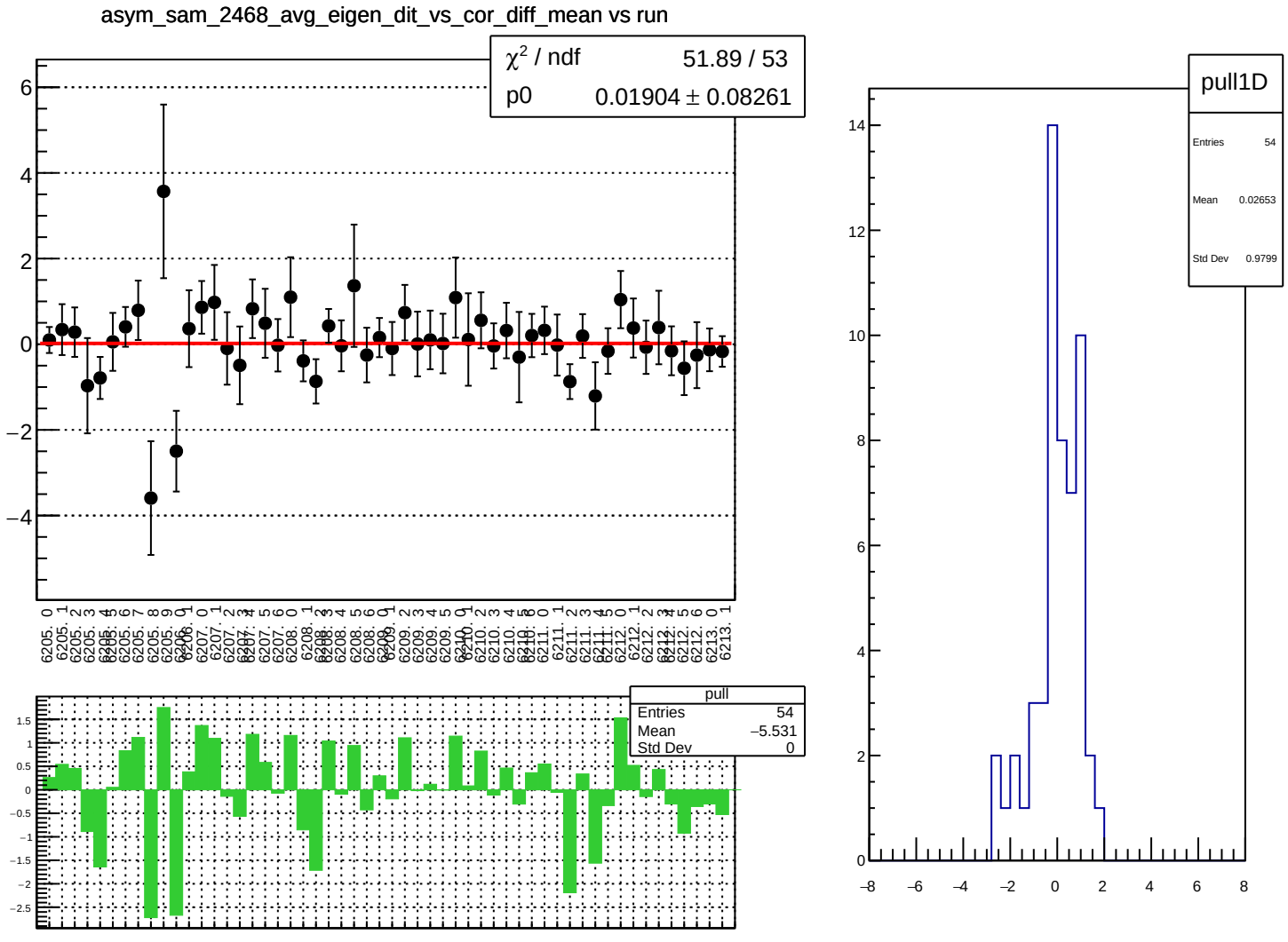

pull1D
Entries 54
Mean 0.02652
Std Dev 0.9799

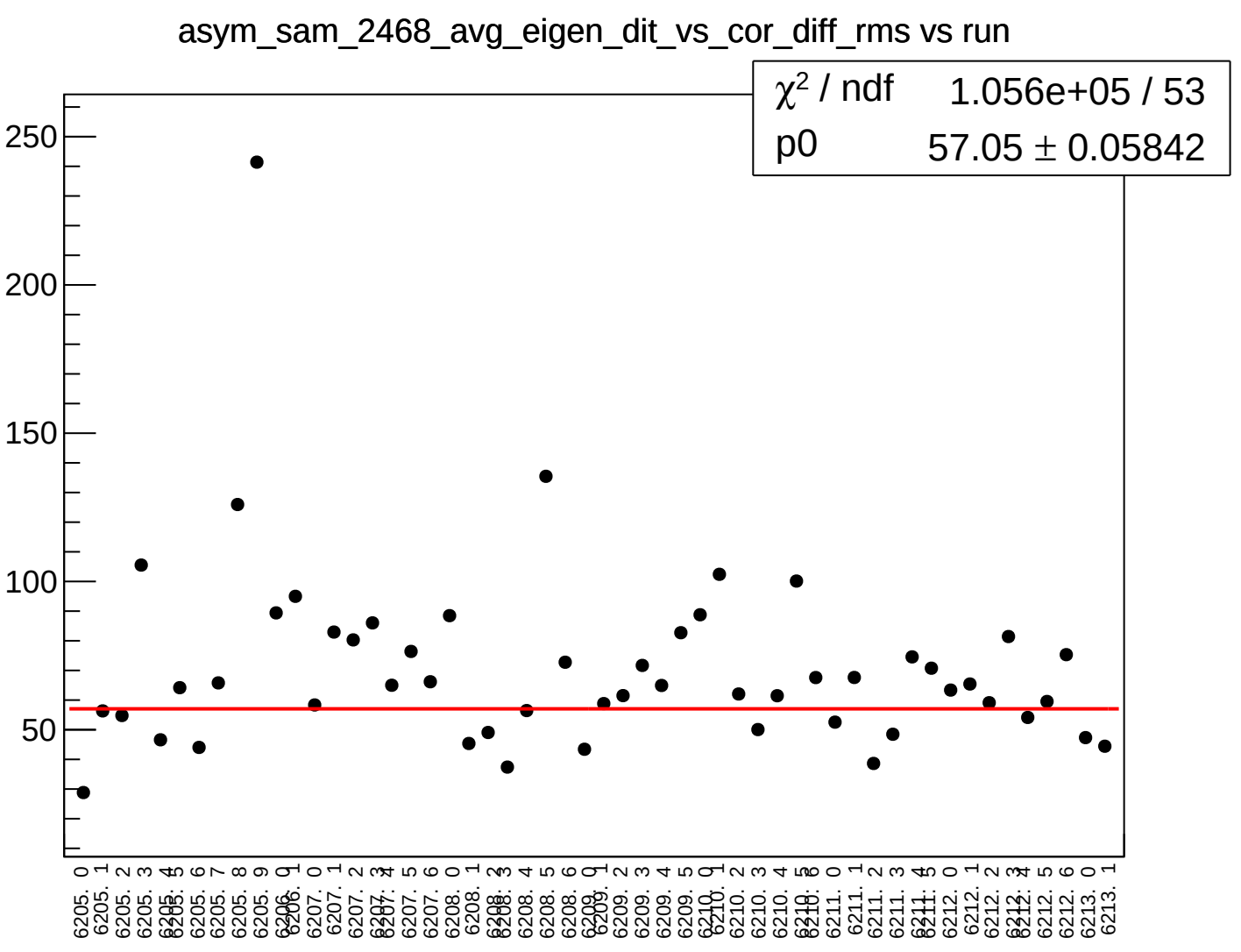

asym_sam_2468_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.056e+05 / 53
p0 57.06 ± 0.05842
250
200
150
100
50
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_sam_2468_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 41.55 / 53
p0 5.955e−06 ± 1.046e−05
pull
Entries 54
Mean −25.15
Std Dev 0

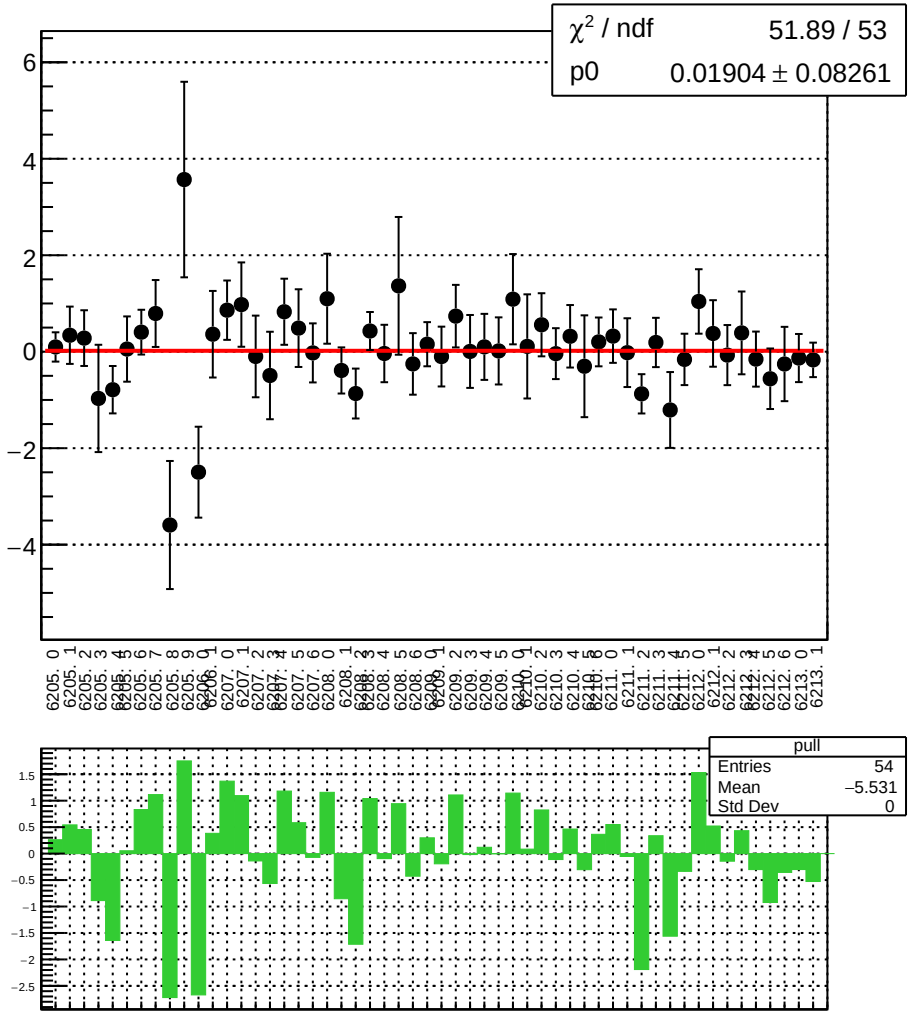

pull1D
Entries 54
Mean −0.01363
Std Dev 0.877

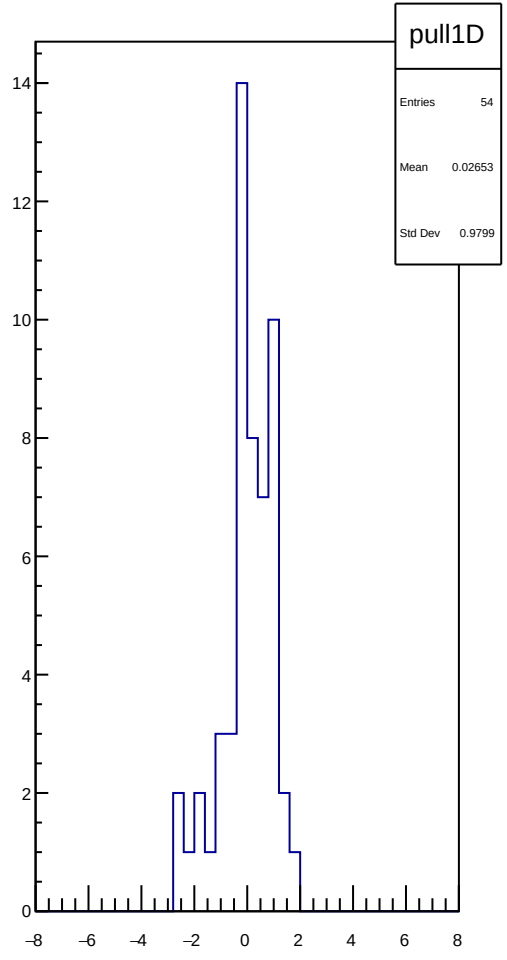

asym_sam_2468_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2288 / 53
p0 0.007608 ± 7.4e–06
0.009
0.0085
0.008
0.0075
0.007

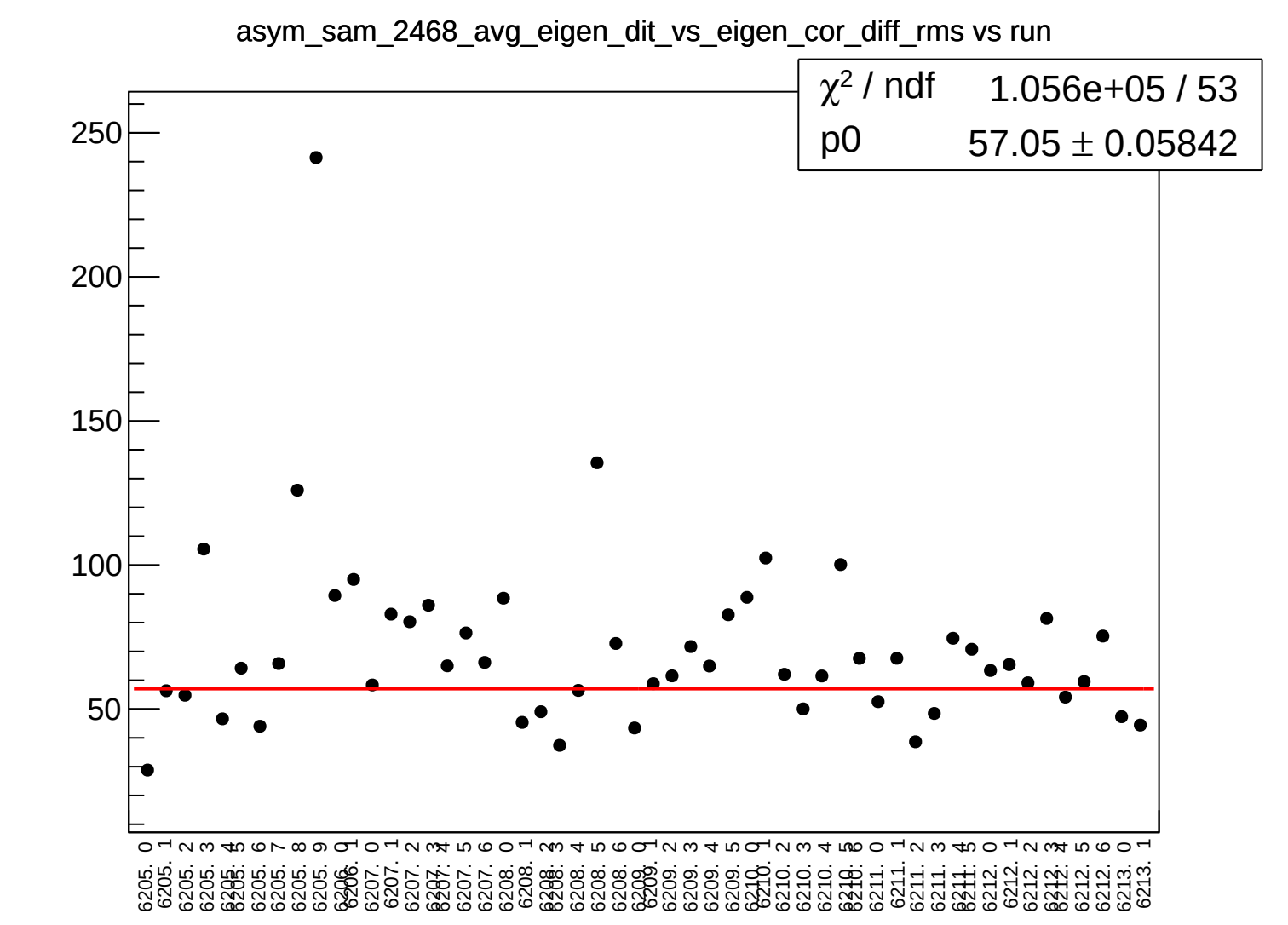

asym_sam_2468_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 51.89 / 53
p0 0.01904 ± 0.08261
pull
Entries 54
Mean −5.531
Std Dev 0
pull1D
Entries 54
Mean 0.02653
Std Dev 0.9799

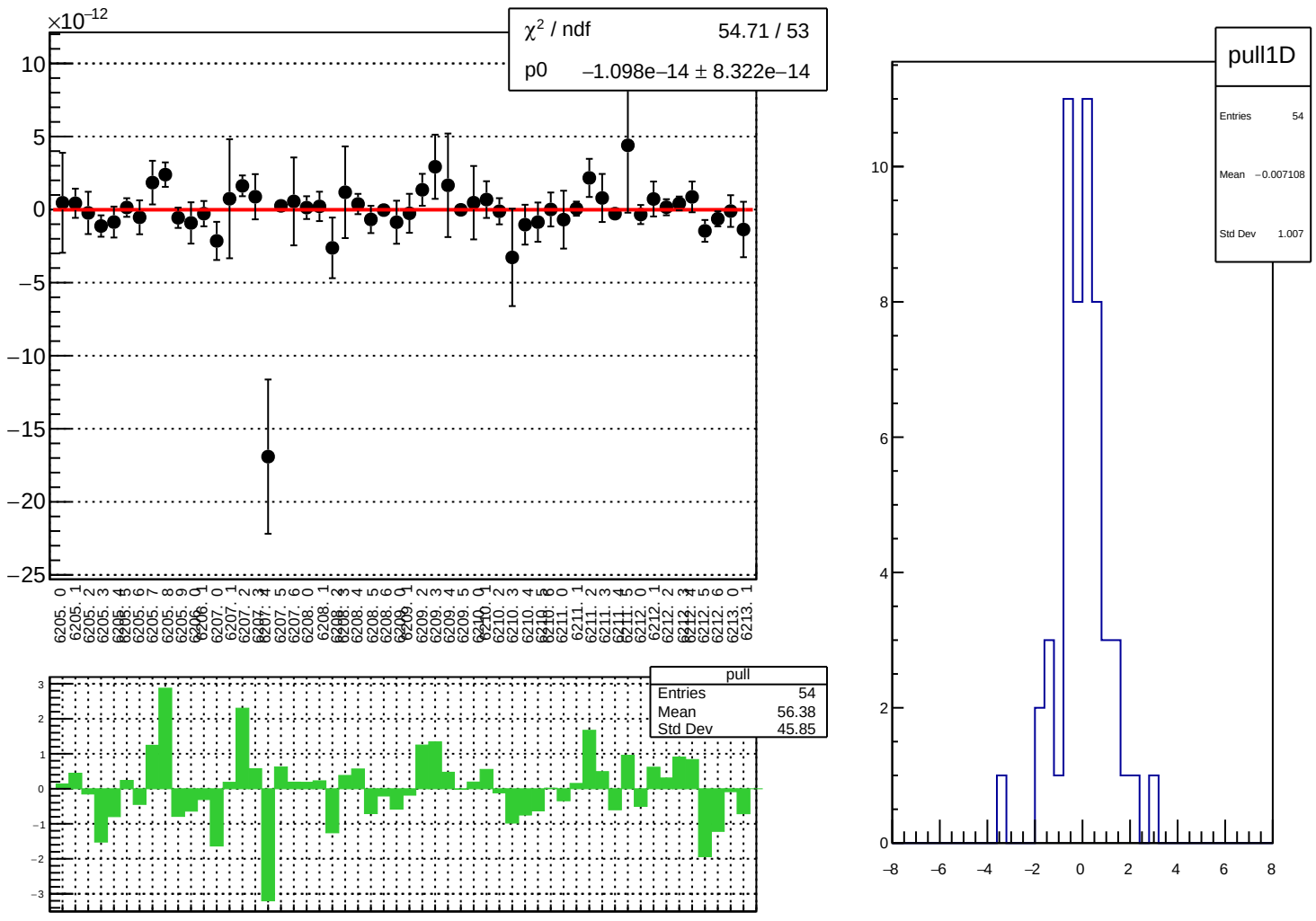

asym_sam_2468_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.056e+05 / 53
p0 57.05 ± 0.05842
250
200
150
100
50
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

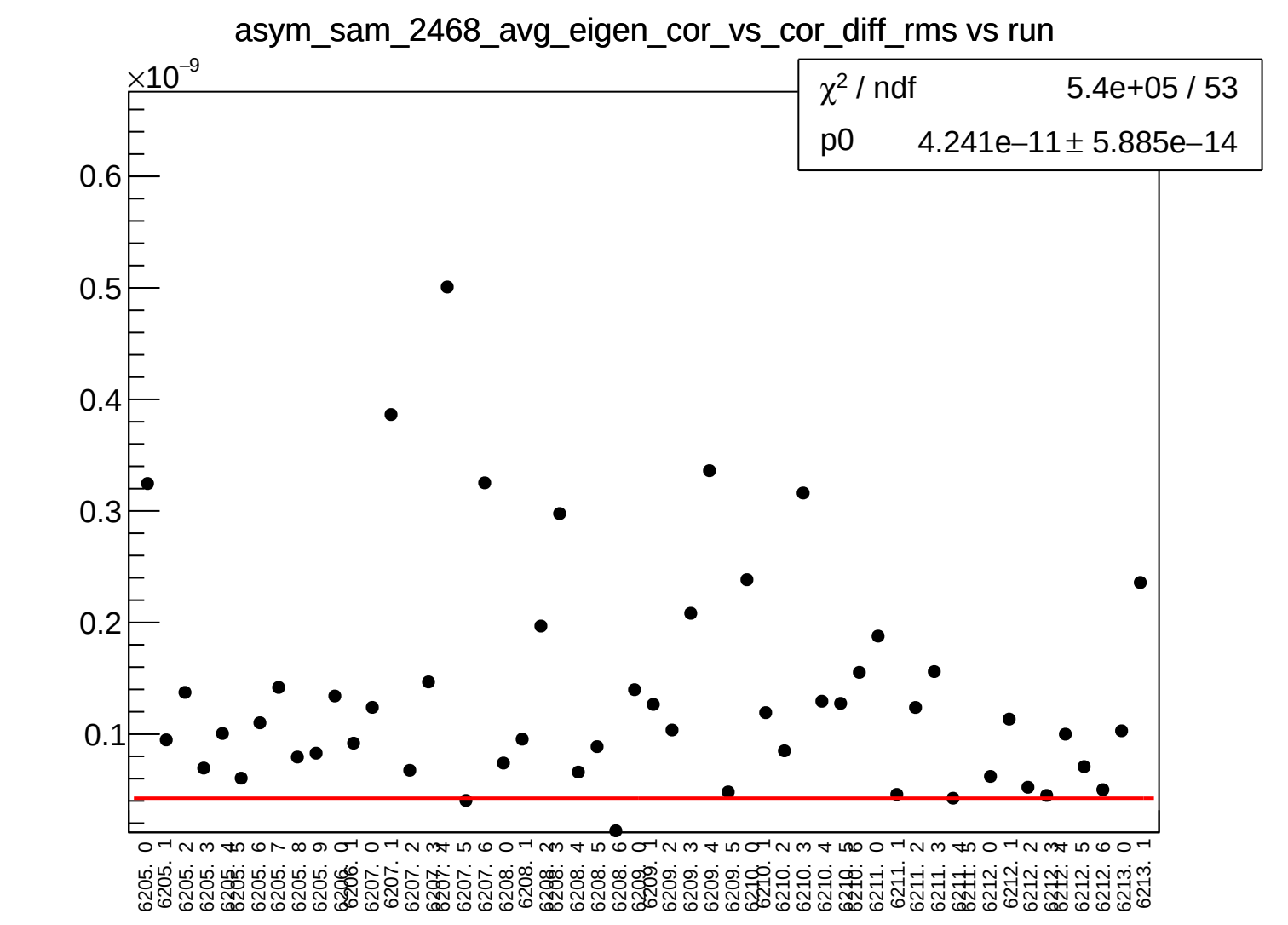
asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_mean vs run

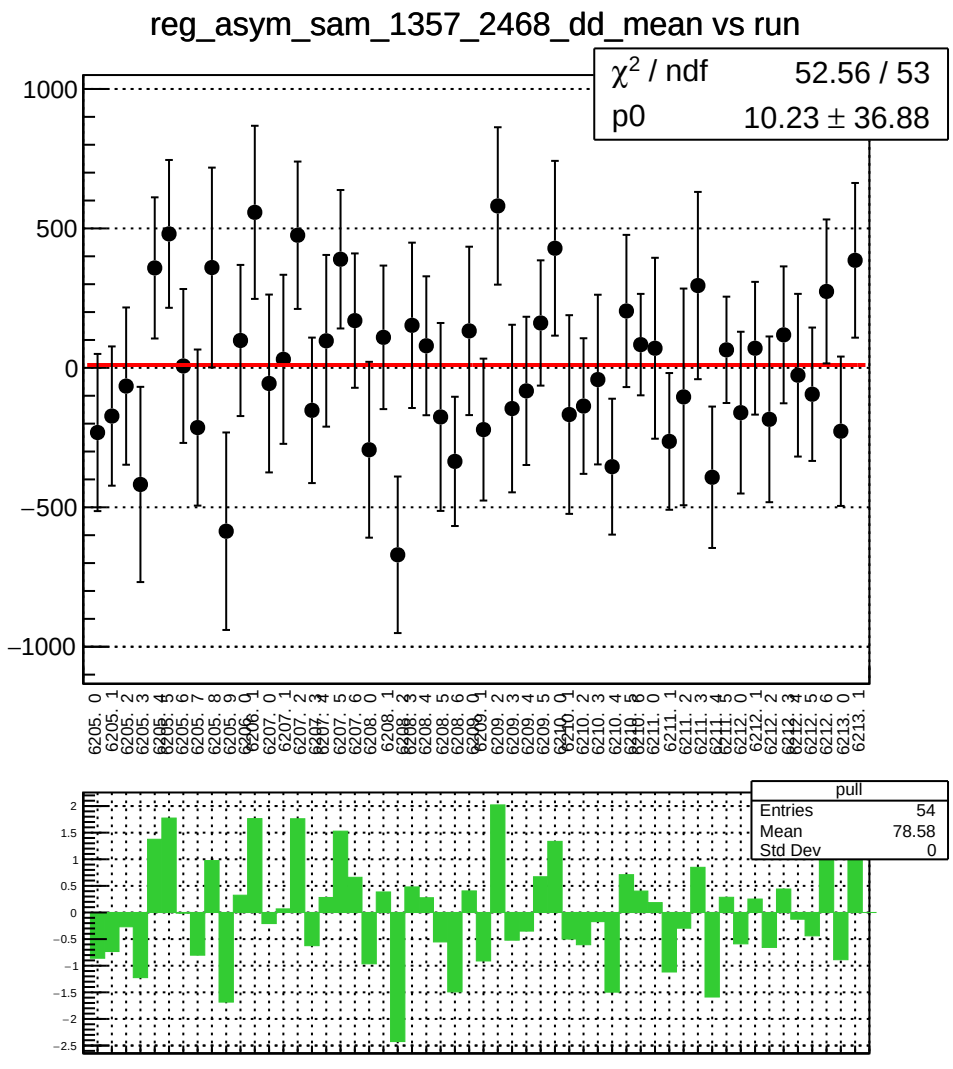


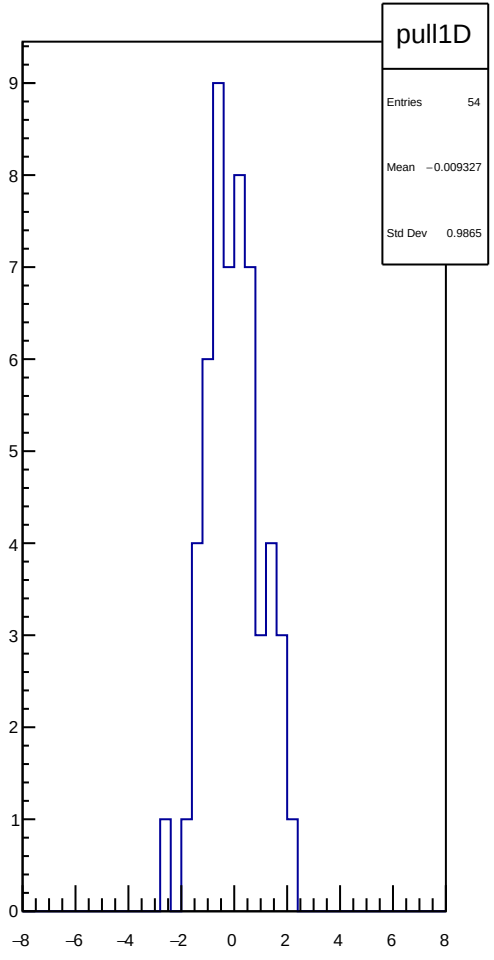


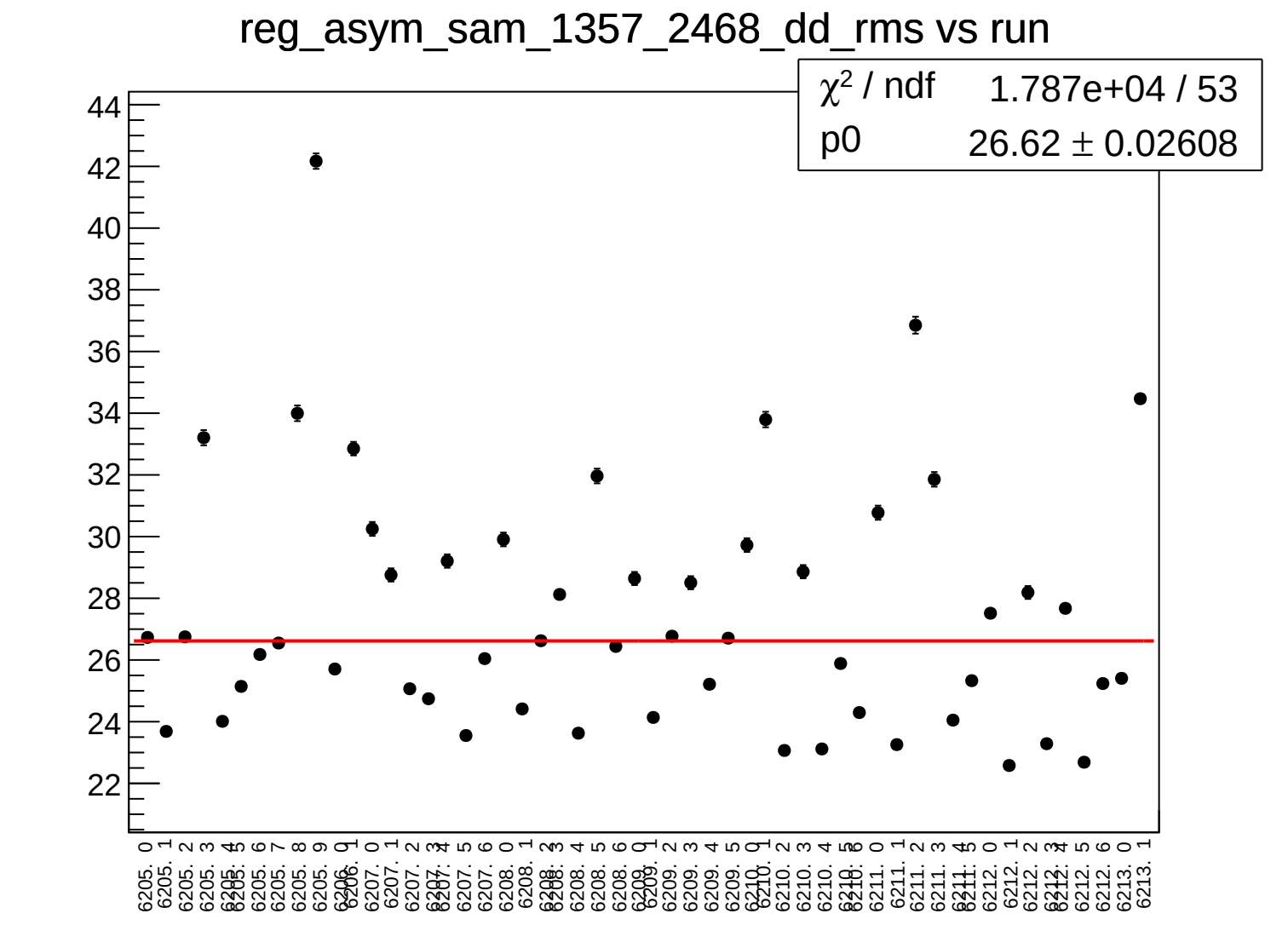

asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.056e+05 / 53
p0 57.05 ± 0.05842
250
200
150
100
50
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

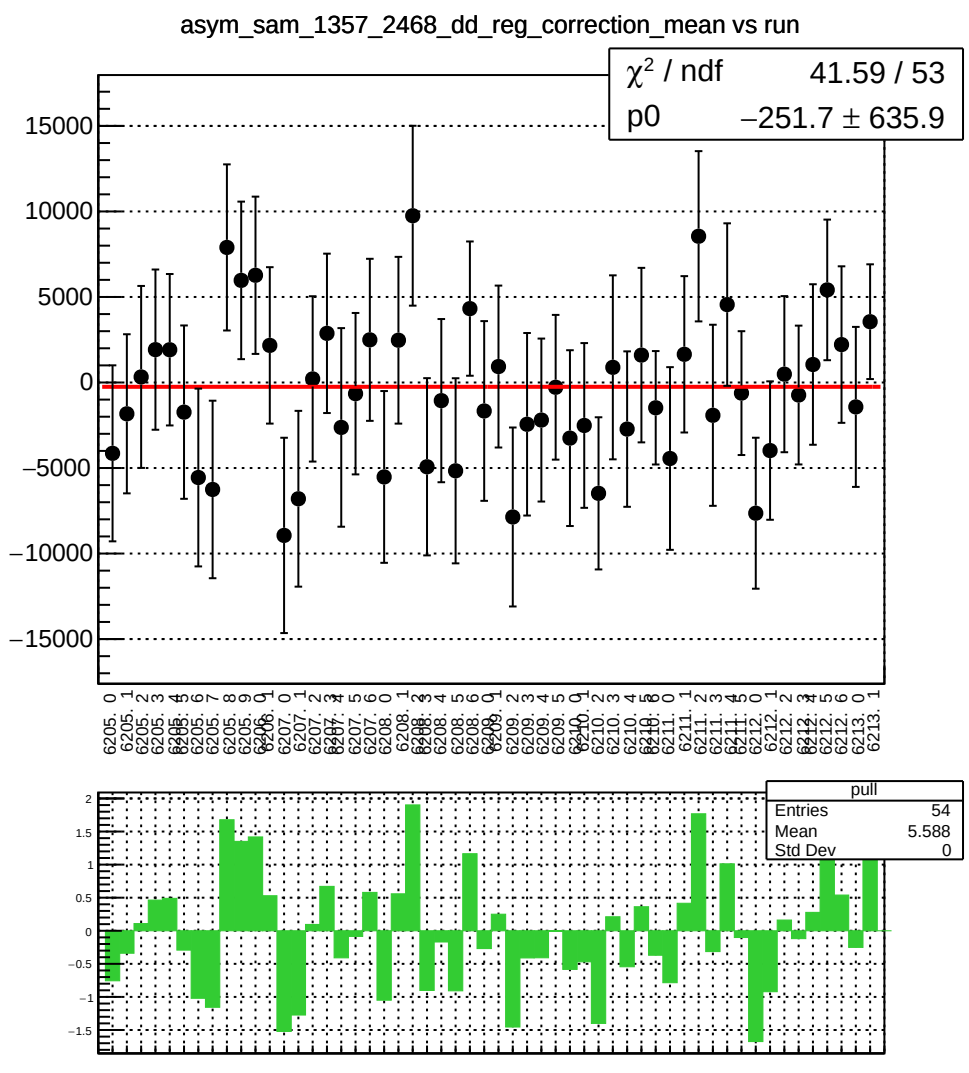

asym_sam_2468_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 54.71 / 53
p0 −1.098e−14 ± 8.322e−14
pull
Entries 54
Mean 56.38
Std Dev 45.85
pull1D
Entries 54
Mean −0.007108
Std Dev 1.007

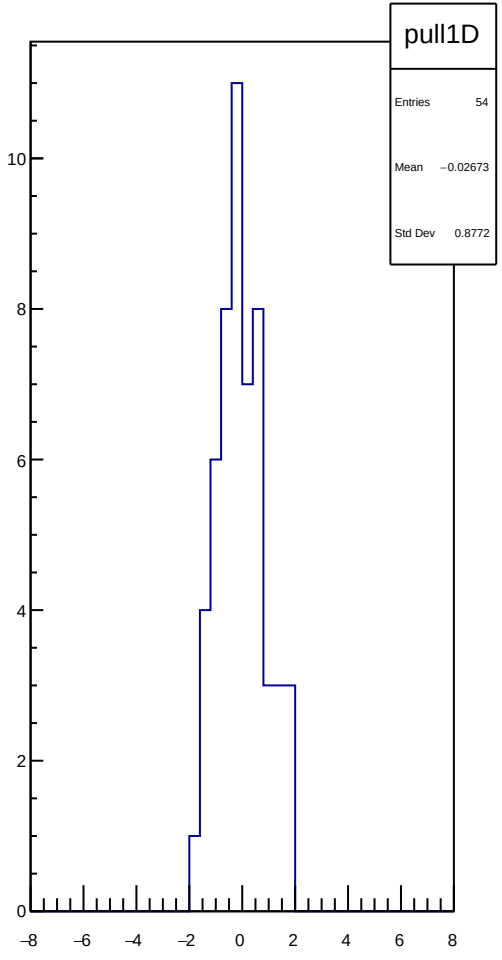

asym_sam_2468_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.4e+05 / 53
p0 4.241e−11 ± 5.885e−14
0.6
0.5
0.4
0.3
0.2
0.1
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6206. 1
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

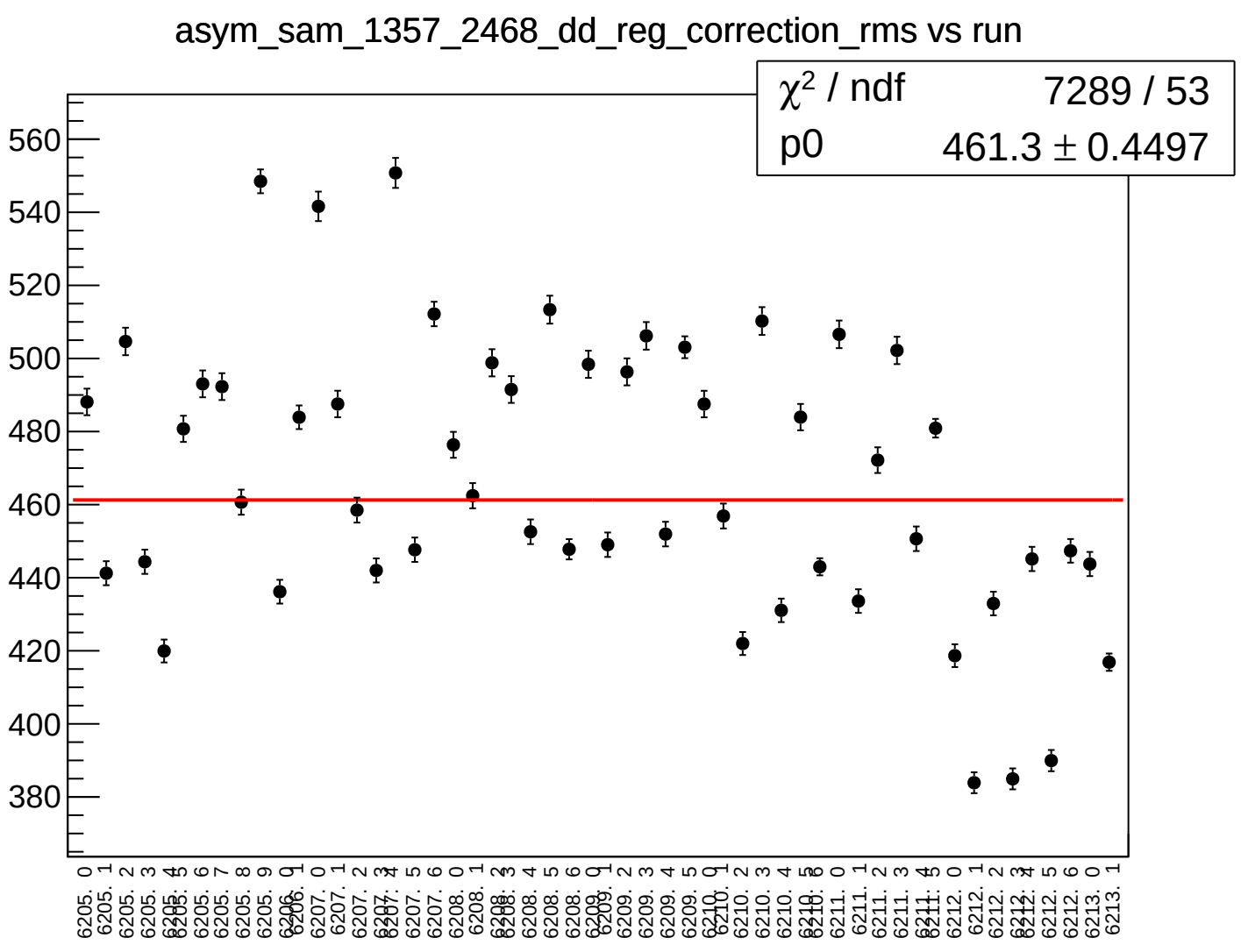

reg_asym_sam_1357_2468_dd_mean vs run
χ^2 / ndf 52.56 / 53
p0 10.23 ± 36.88
1000
500
0
−500
−1000
pull
Entries 54
Mean 78.58
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

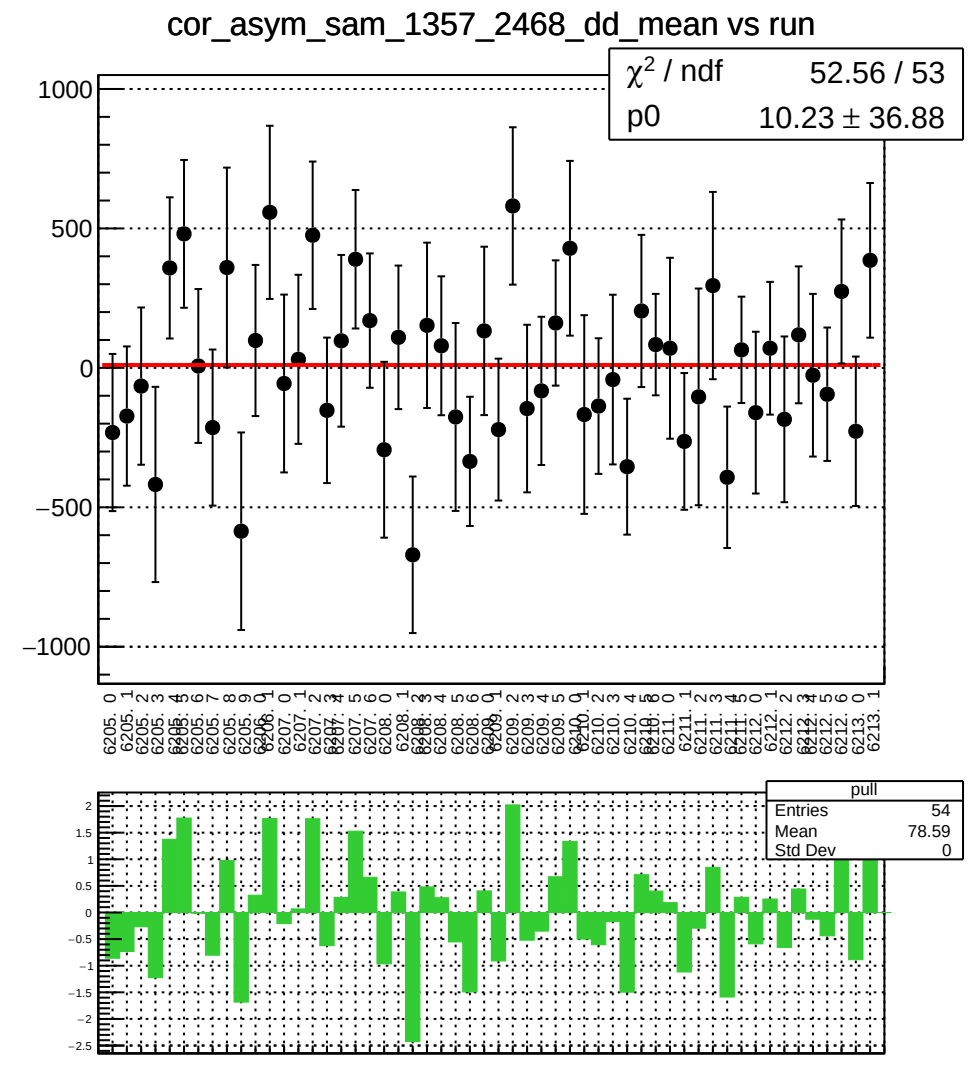

pull1D
Entries 54
Mean −0.009327
Std Dev 0.9865
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

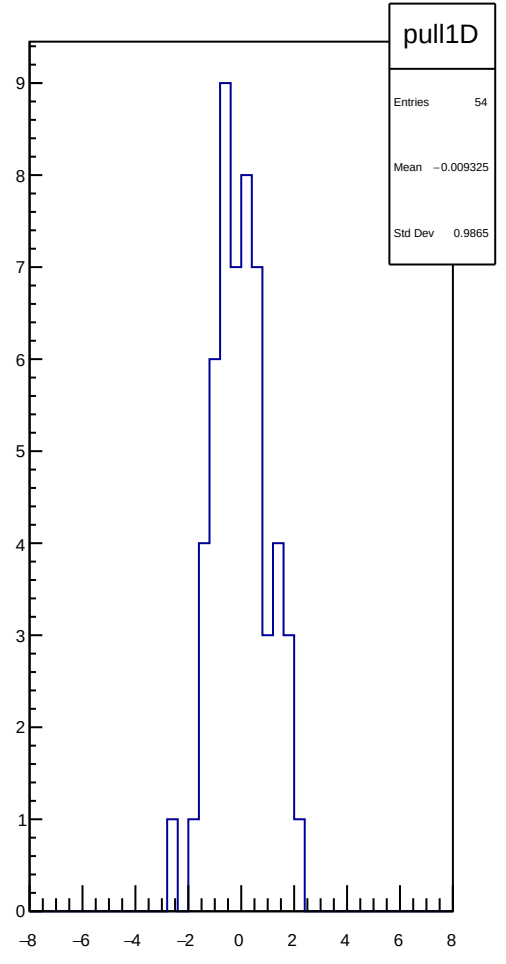

reg_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 1.787e+04 / 53
p0 26.62 ± 0.02608
44
42
40
38
36
34
32
30
28
26
24
22
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

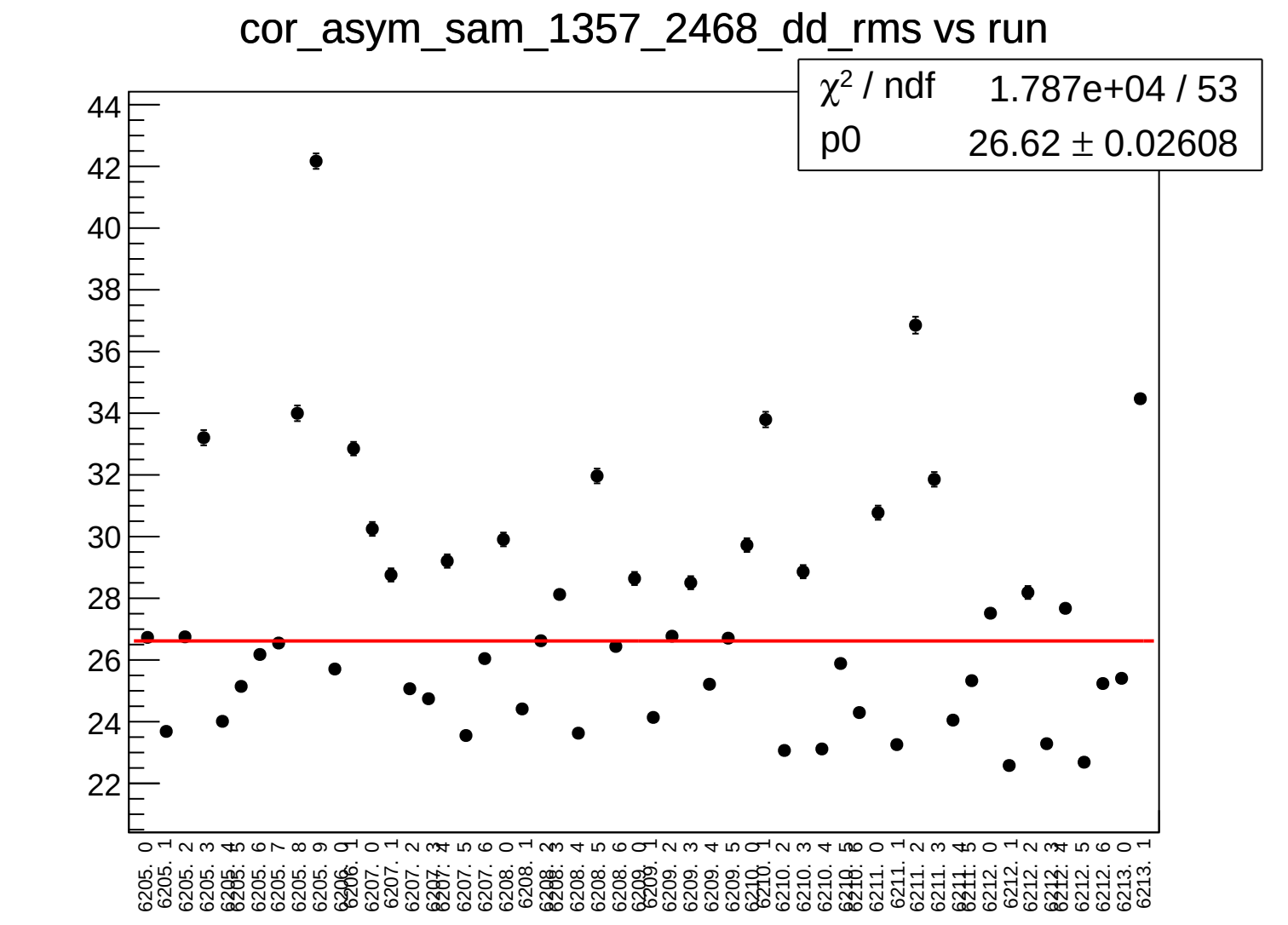

asym_sam_1357_2468_dd_reg_correction_mean vs run
χ² / ndf 41.59 / 53
p0 −251.7 ± 635.9
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 54
Mean 5.588
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

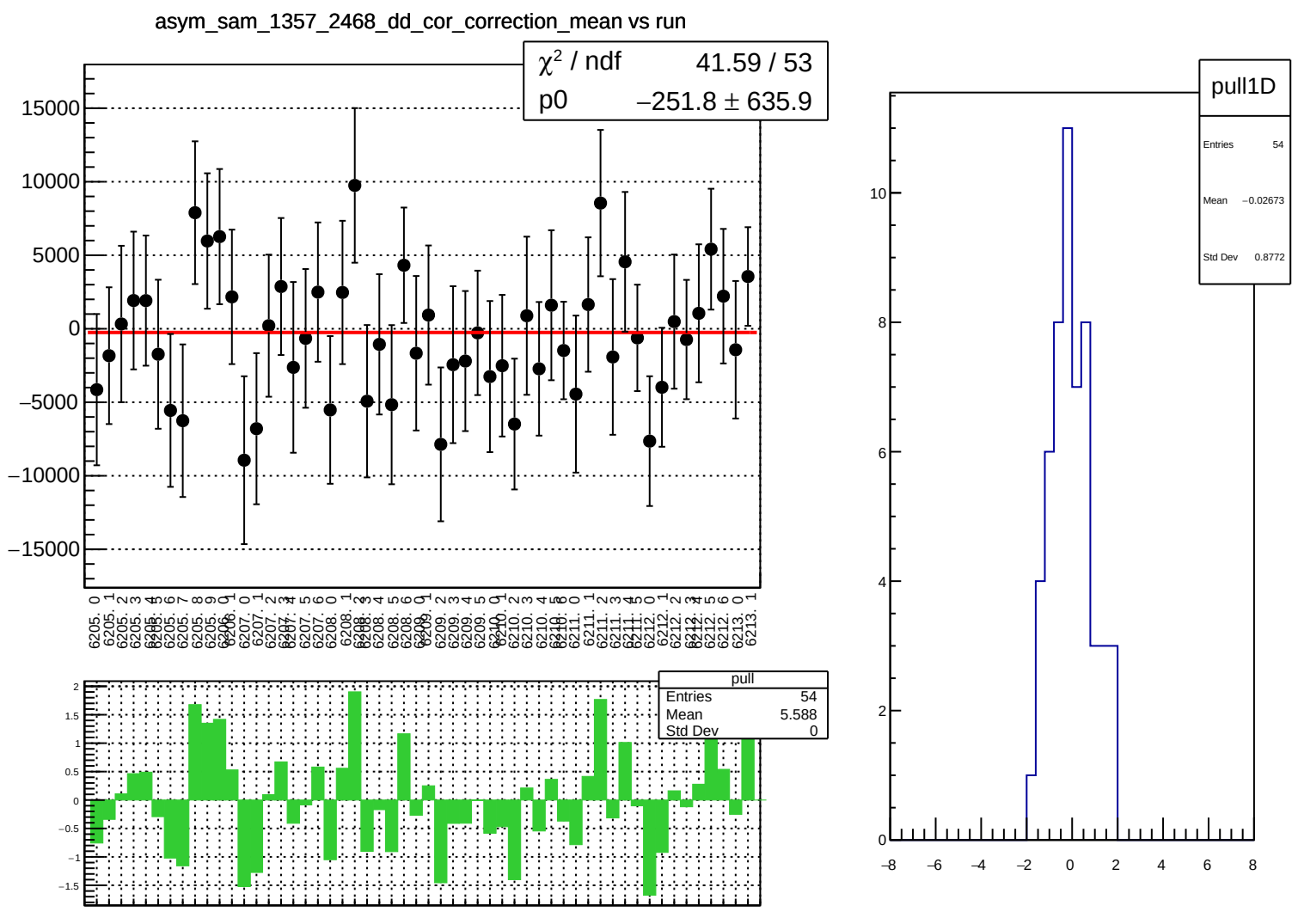

pull1D
Entries 54
Mean −0.02673
Std Dev 0.8772
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

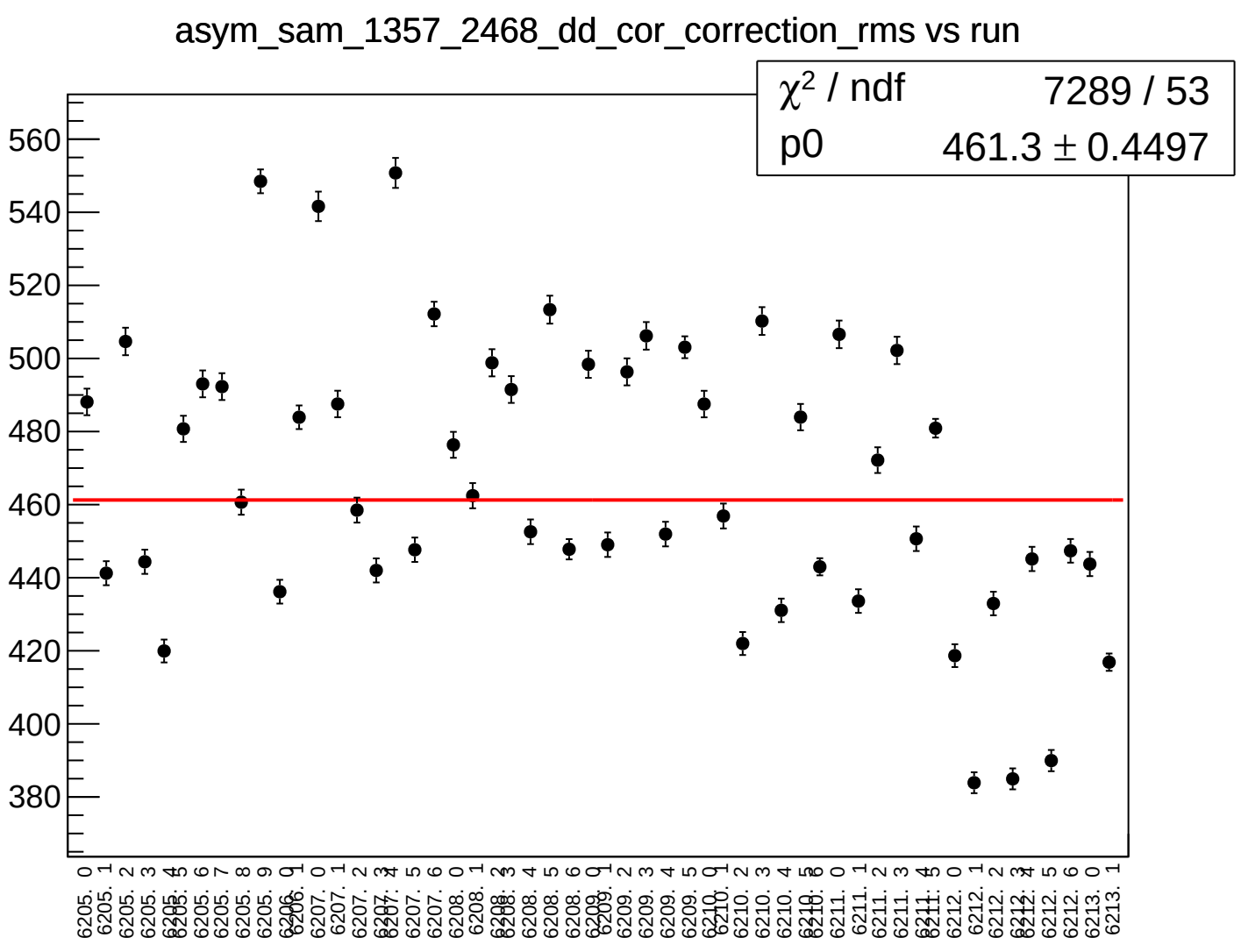

asym_sam_1357_2468_dd_reg_correction_rms vs run
χ² / ndf 7289 / 53
p0 461.3 ± 0.4497
560
540
520
500
480
460
440
420
400
380
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6209. 6
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

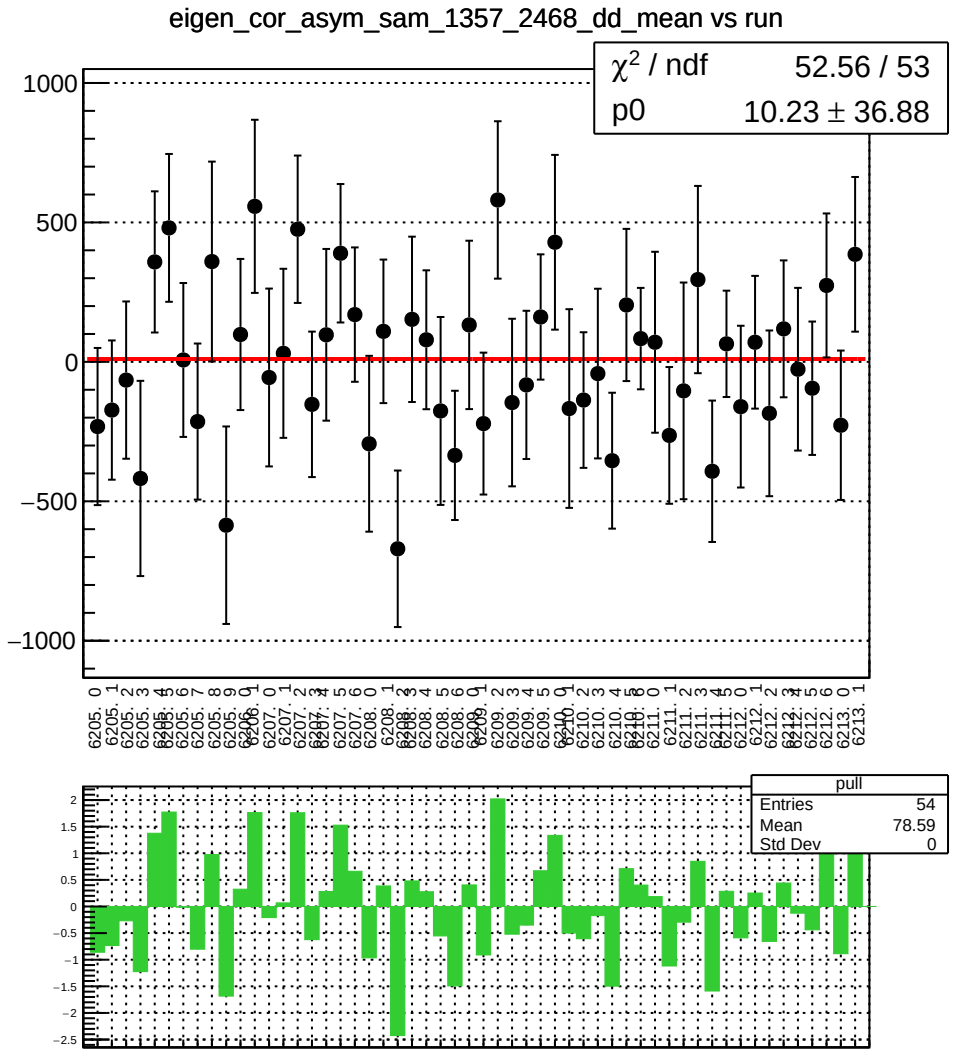

cor_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 52.56 / 53
p0 10.23 ± 36.88
1000
500
0
−500
−1000
pull
Entries 54
Mean 78.59
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

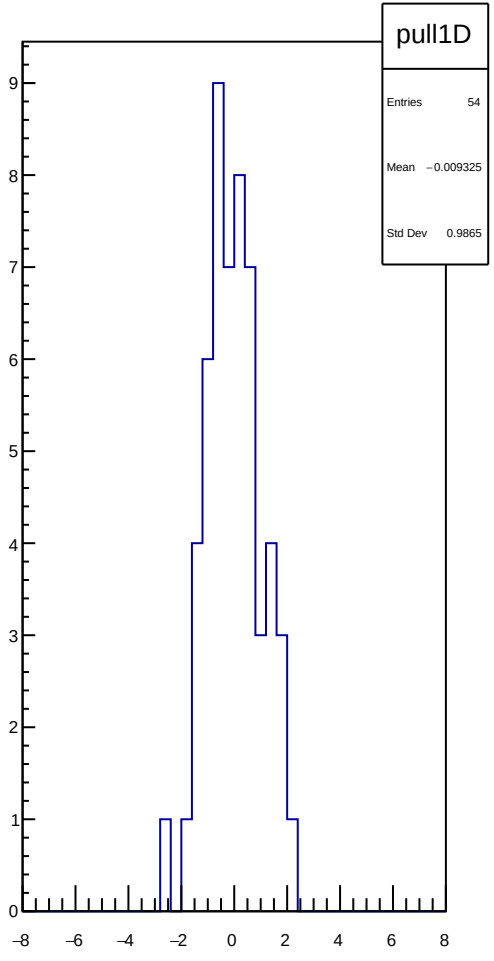

pull1D
Entries 54
Mean −0.009325
Std Dev 0.9865
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

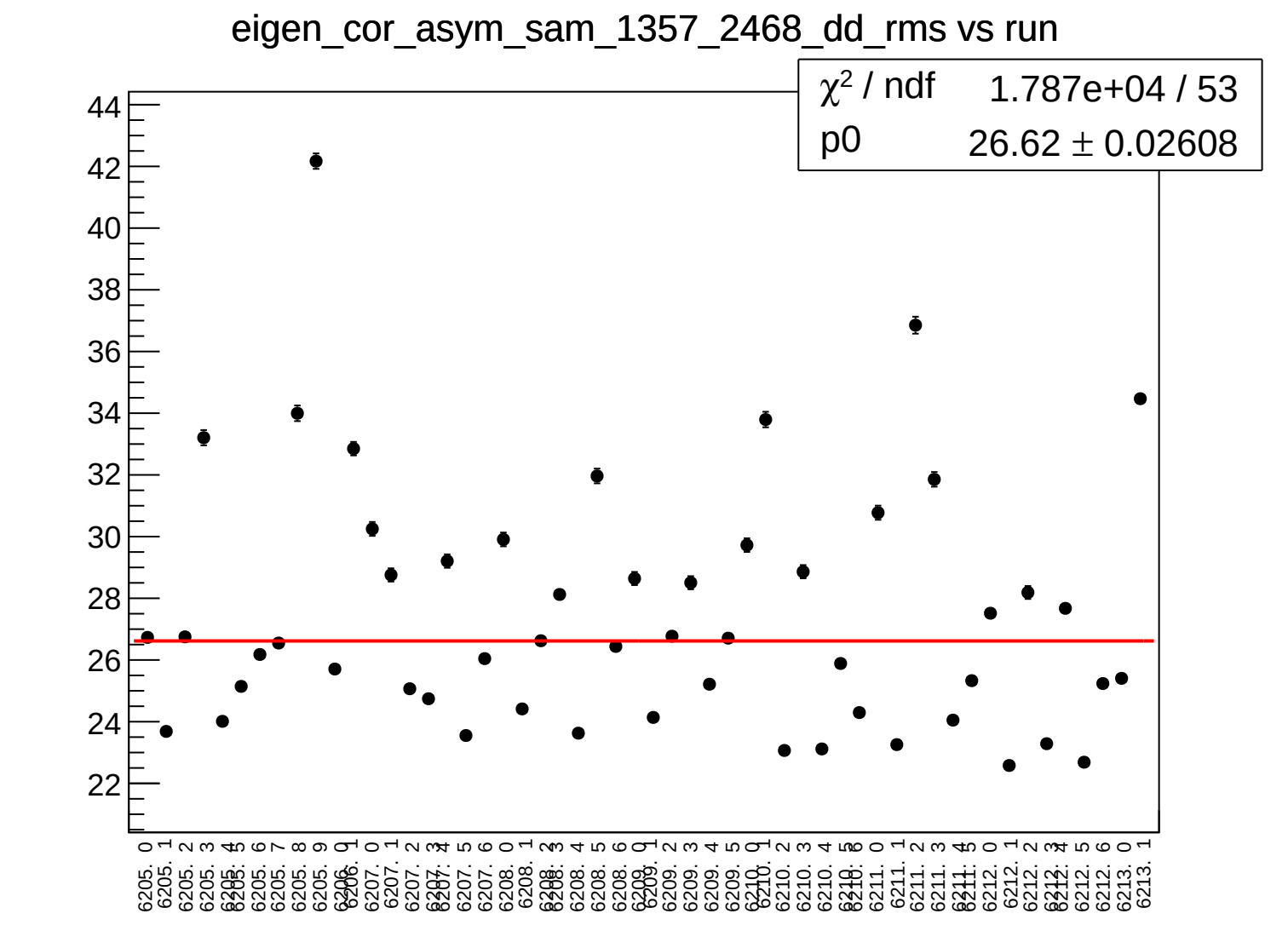

cor_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 1.787e+04 / 53
p0 26.62 ± 0.02608
44
42
40
38
36
34
32
30
28
26
24
22
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

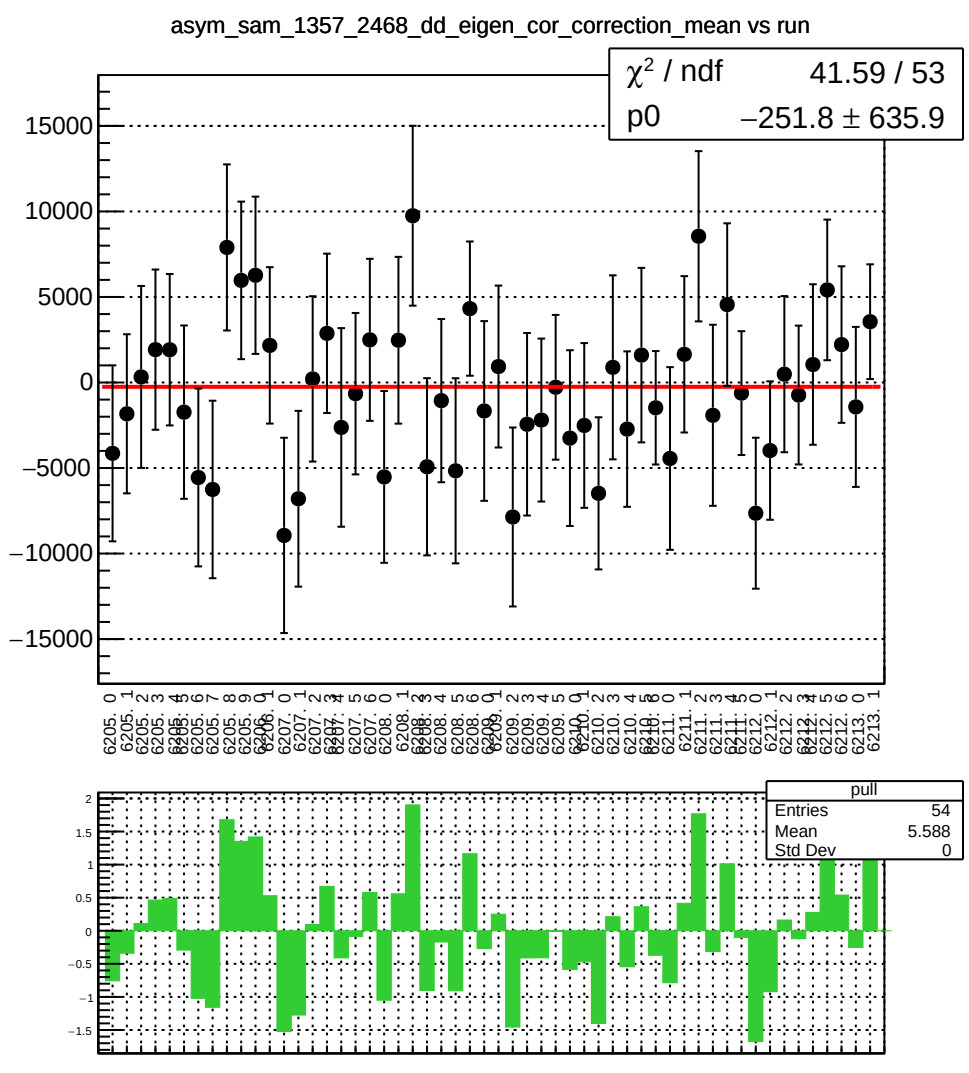

asym_sam_1357_2468_dd_cor_correction_mean vs run
χ² / ndf 41.59 / 53
p0 −251.8 ± 635.9
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 54
Mean 5.588
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 54
Mean −0.02673
Std Dev 0.8772
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

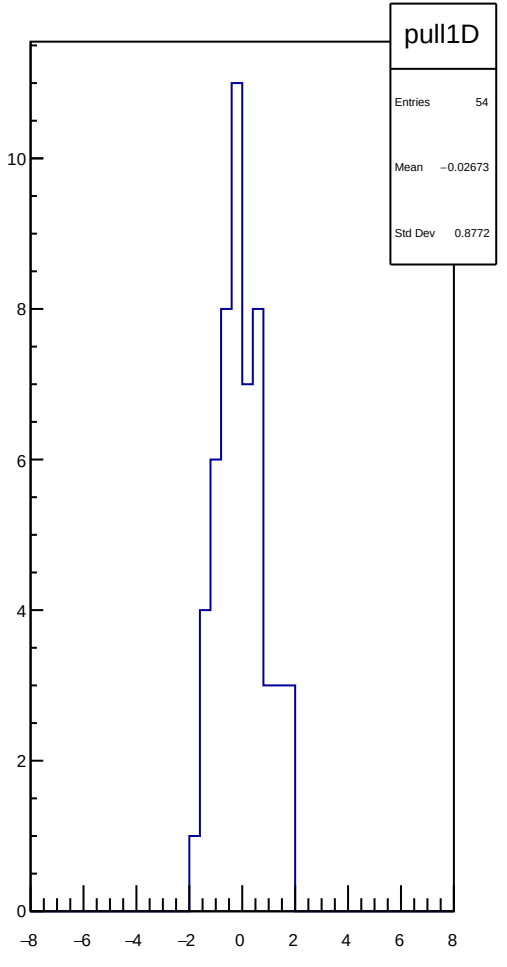

asym_sam_1357_2468_dd_cor_correction_rms vs run
χ² / ndf 7289 / 53
p0 461.3 ± 0.4497
560
540
520
500
480
460
440
420
400
380
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6209. 6
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

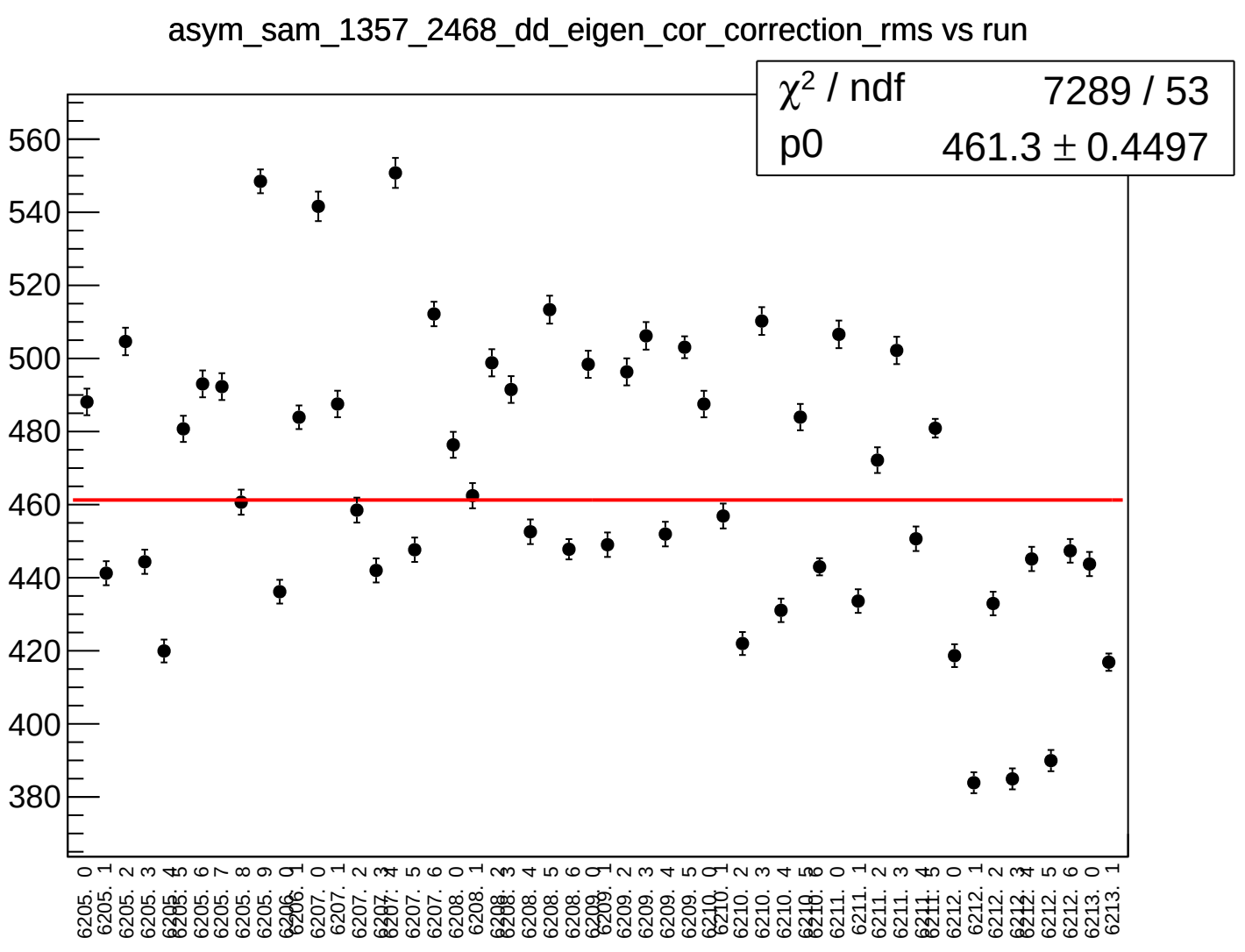

eigen_cor_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 52.56 / 53
p0 10.23 ± 36.88
1000
500
0
−500
−1000
pull
Entries 54
Mean 78.59
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

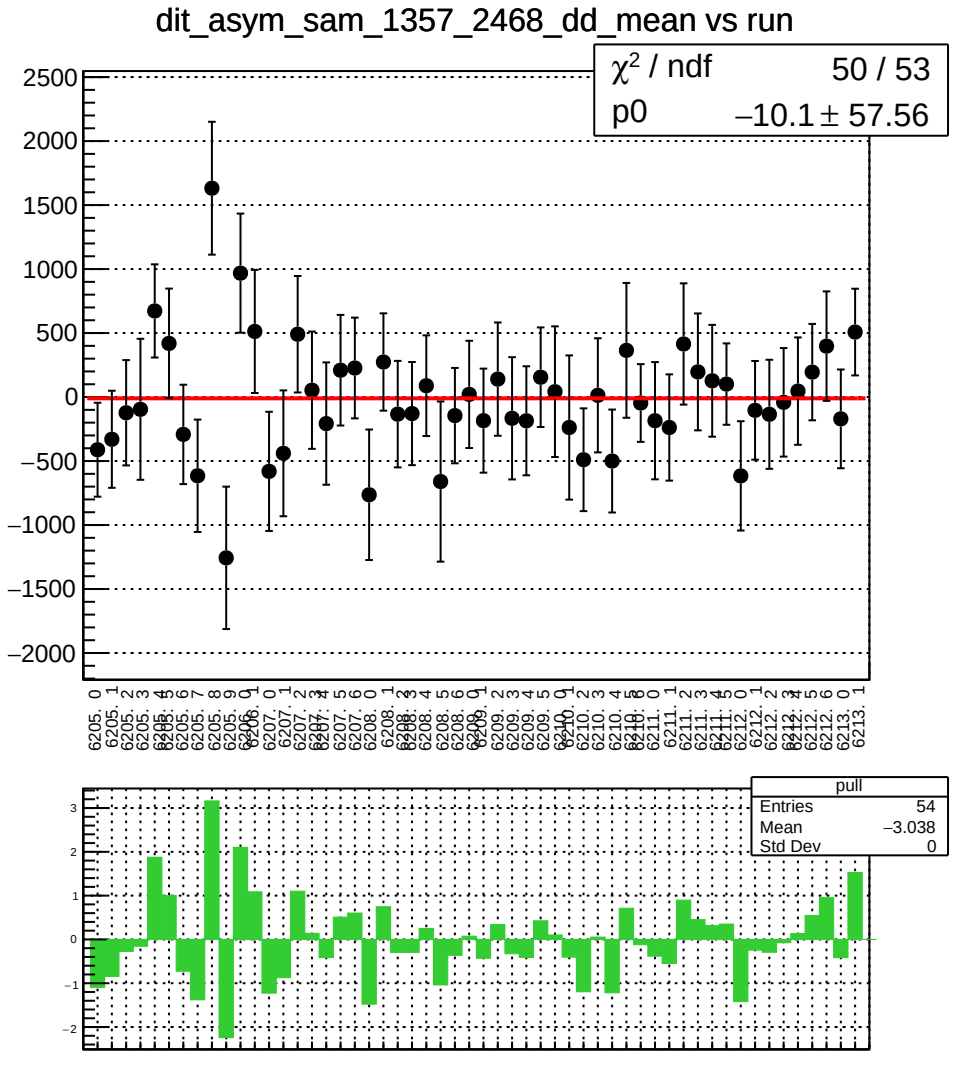

pull1D
Entries 54
Mean −0.009325
Std Dev 0.9865
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

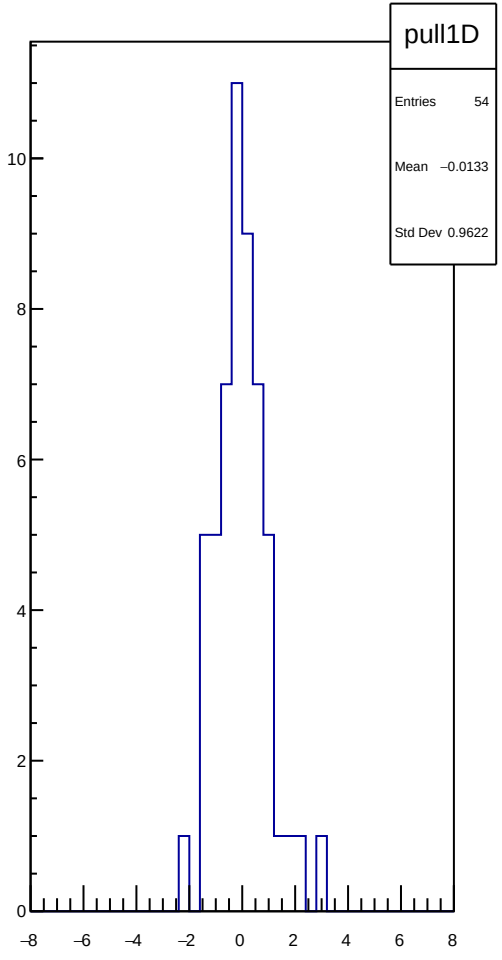

eigen_cor_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 1.787e+04 / 53
p0 26.62 ± 0.02608
44
42
40
38
36
34
32
30
28
26
24
22
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

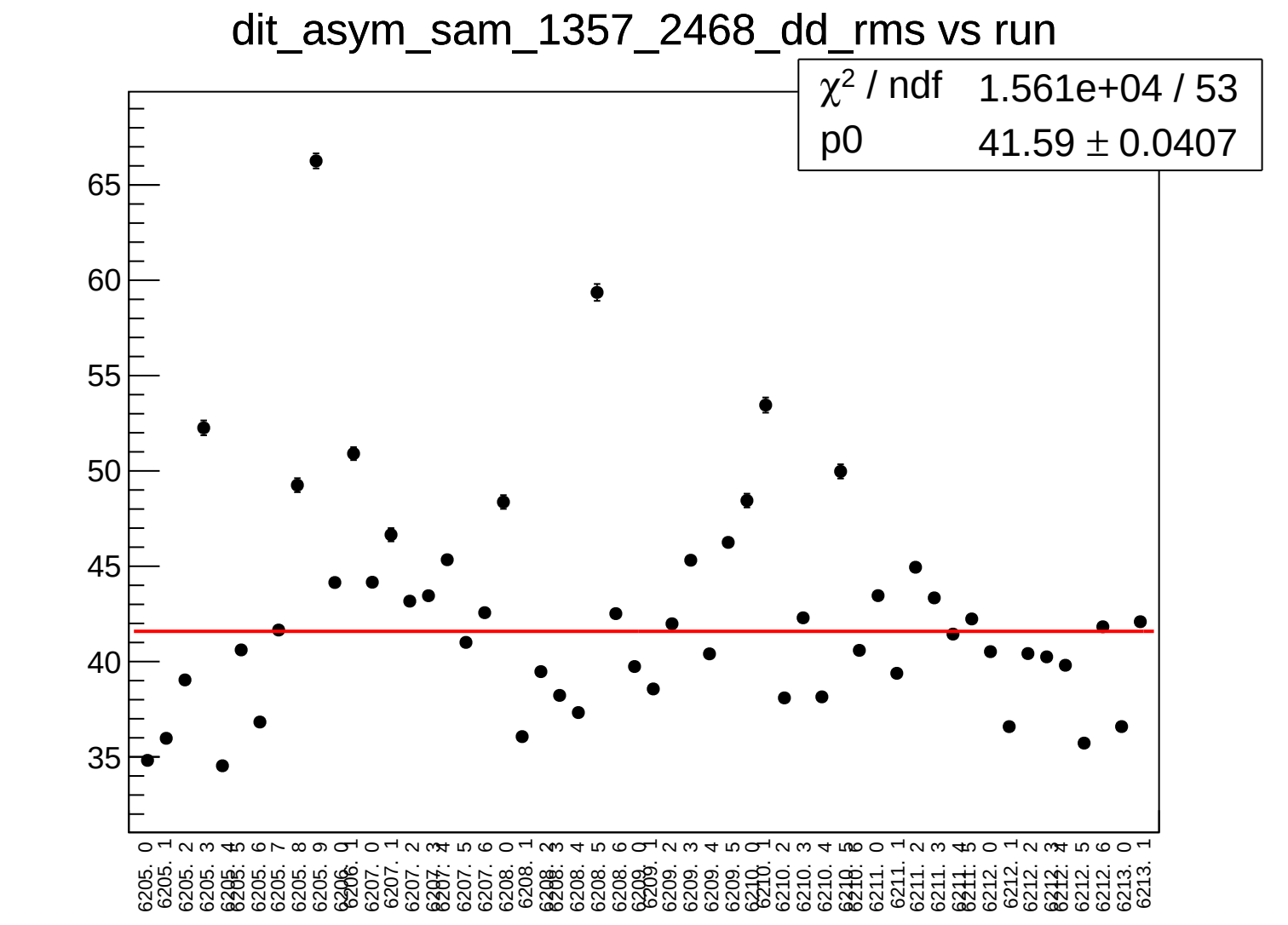

asym_sam_1357_2468_dd_eigen_cor_correction_mean vs run
χ² / ndf 41.59 / 53
p0 −251.8 ± 635.9
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 54
Mean 5.588
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 54
Mean −0.02673
Std Dev 0.8772
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_1357_2468_dd_eigen_cor_correction_rms vs run
χ² / ndf 7289 / 53
p0 461.3 ± 0.4497
560
540
520
500
480
460
440
420
400
380
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6209. 6
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


dit_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 50 / 53
p0 −10.1 ± 57.56
pull
Entries 54
Mean −3.038
Std Dev 0


pull1D
Entries 54
Mean −0.0133
Std Dev 0.9622


dit_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 1.561e+04 / 53
p0 41.59 ± 0.0407
65
60
55
50
45
40
35
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
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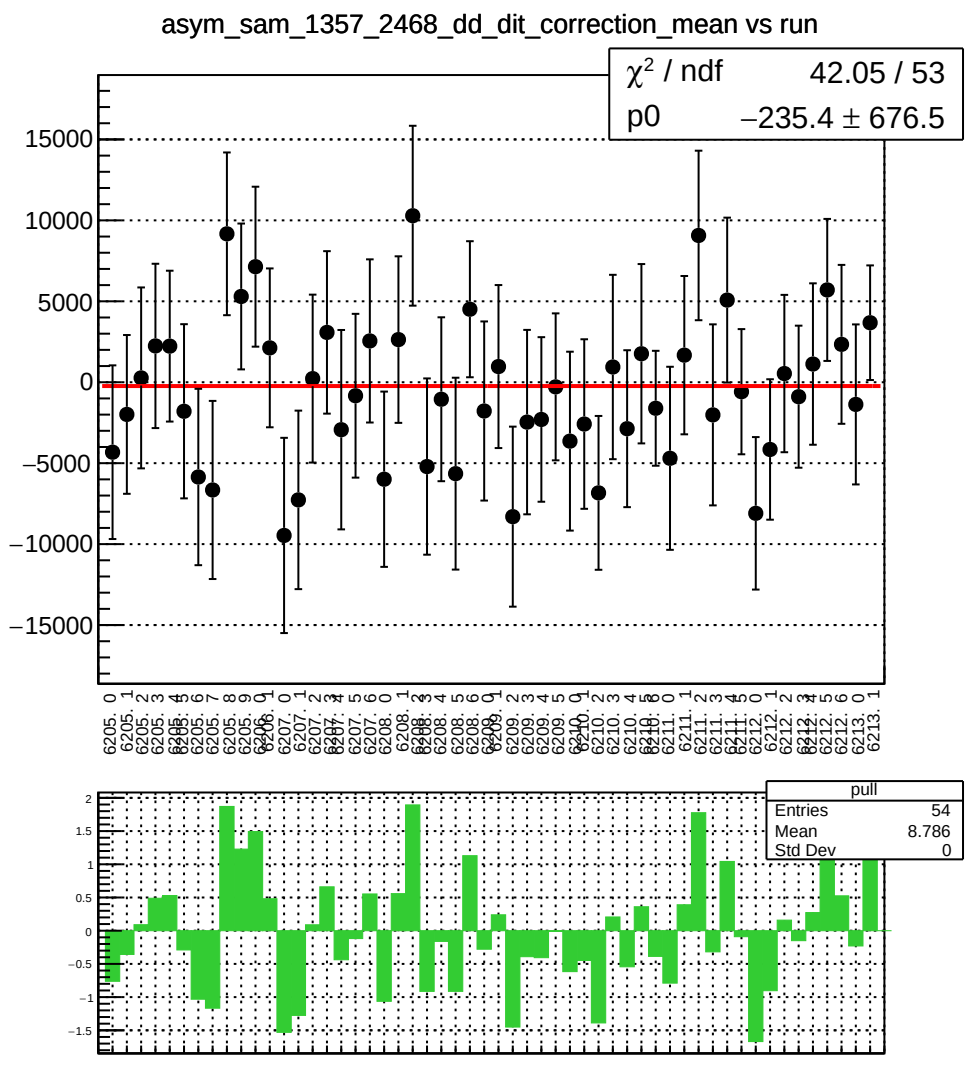
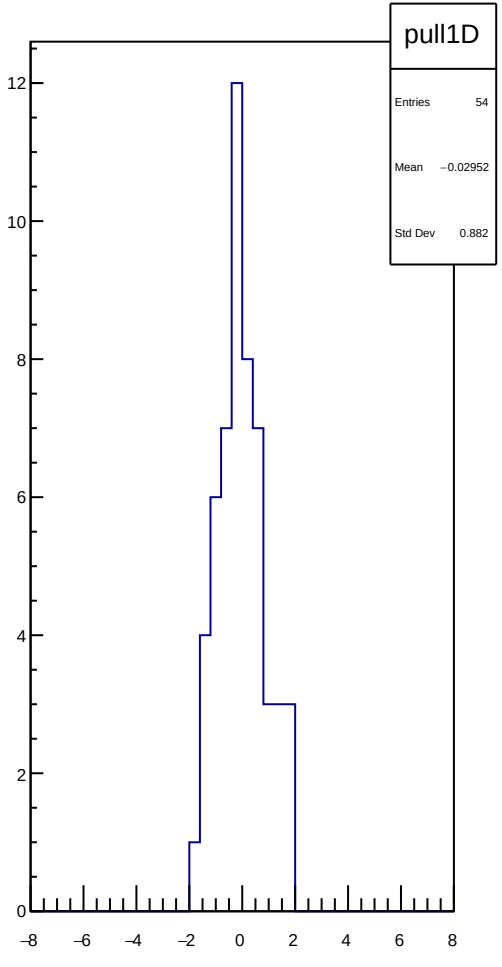
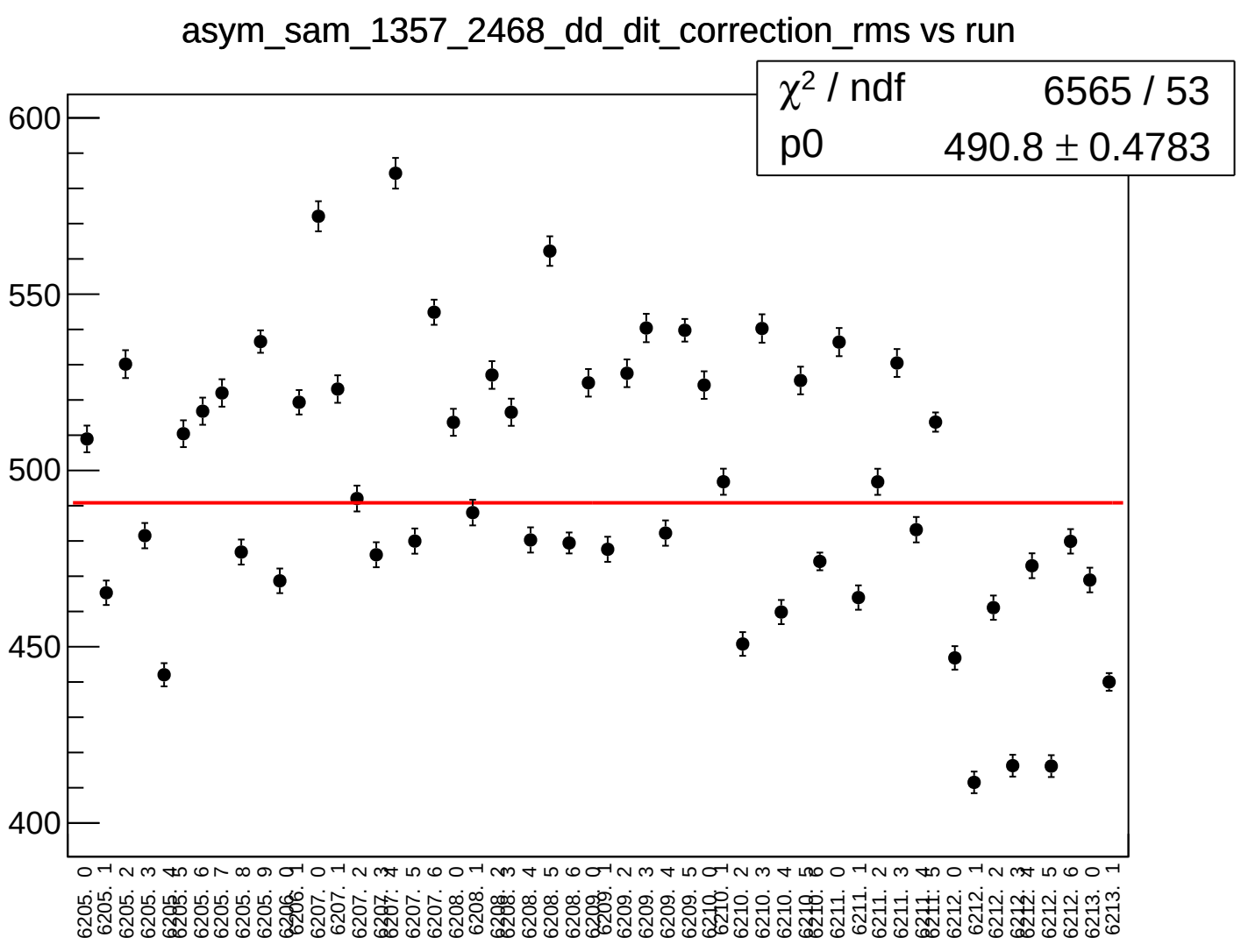
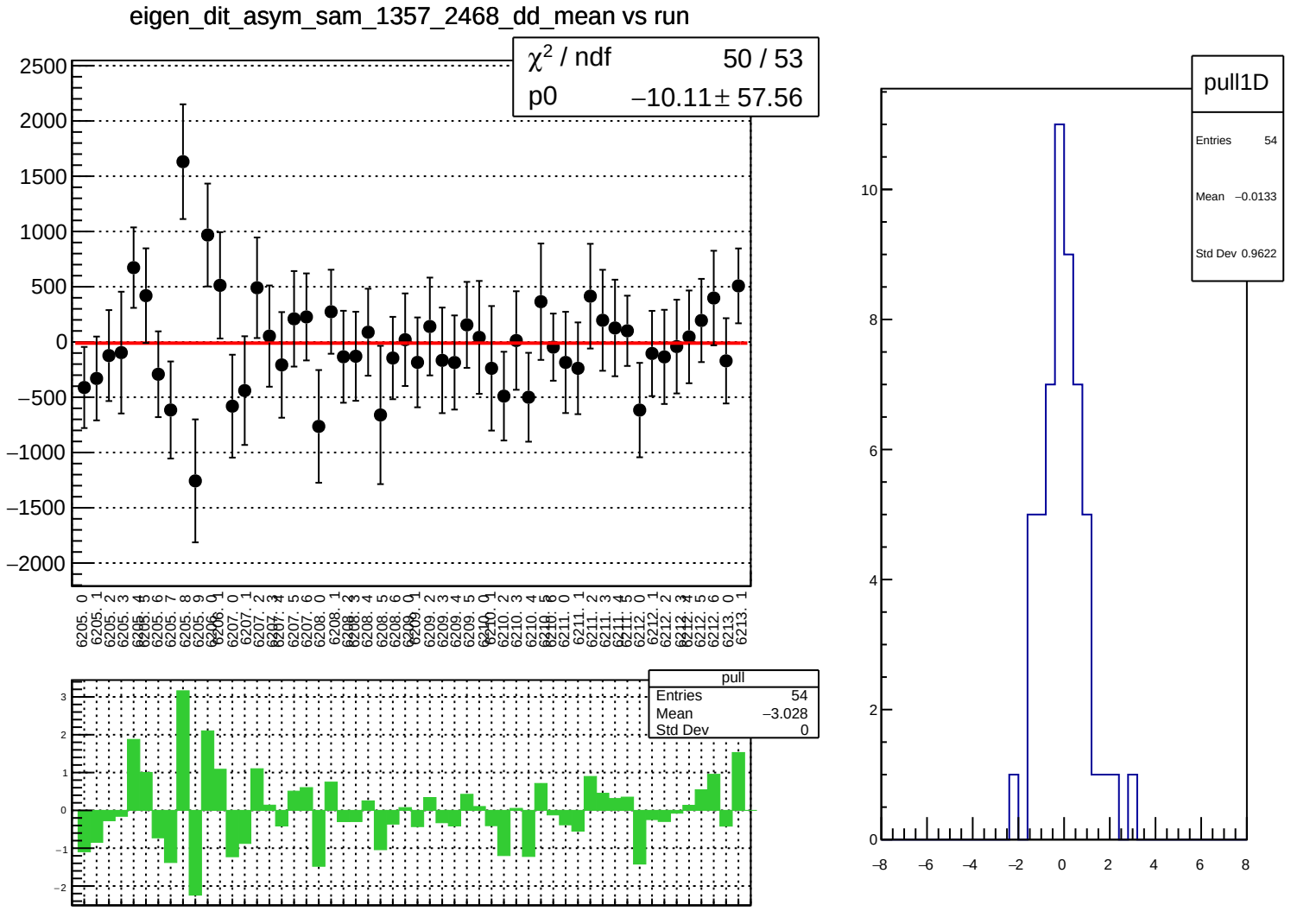
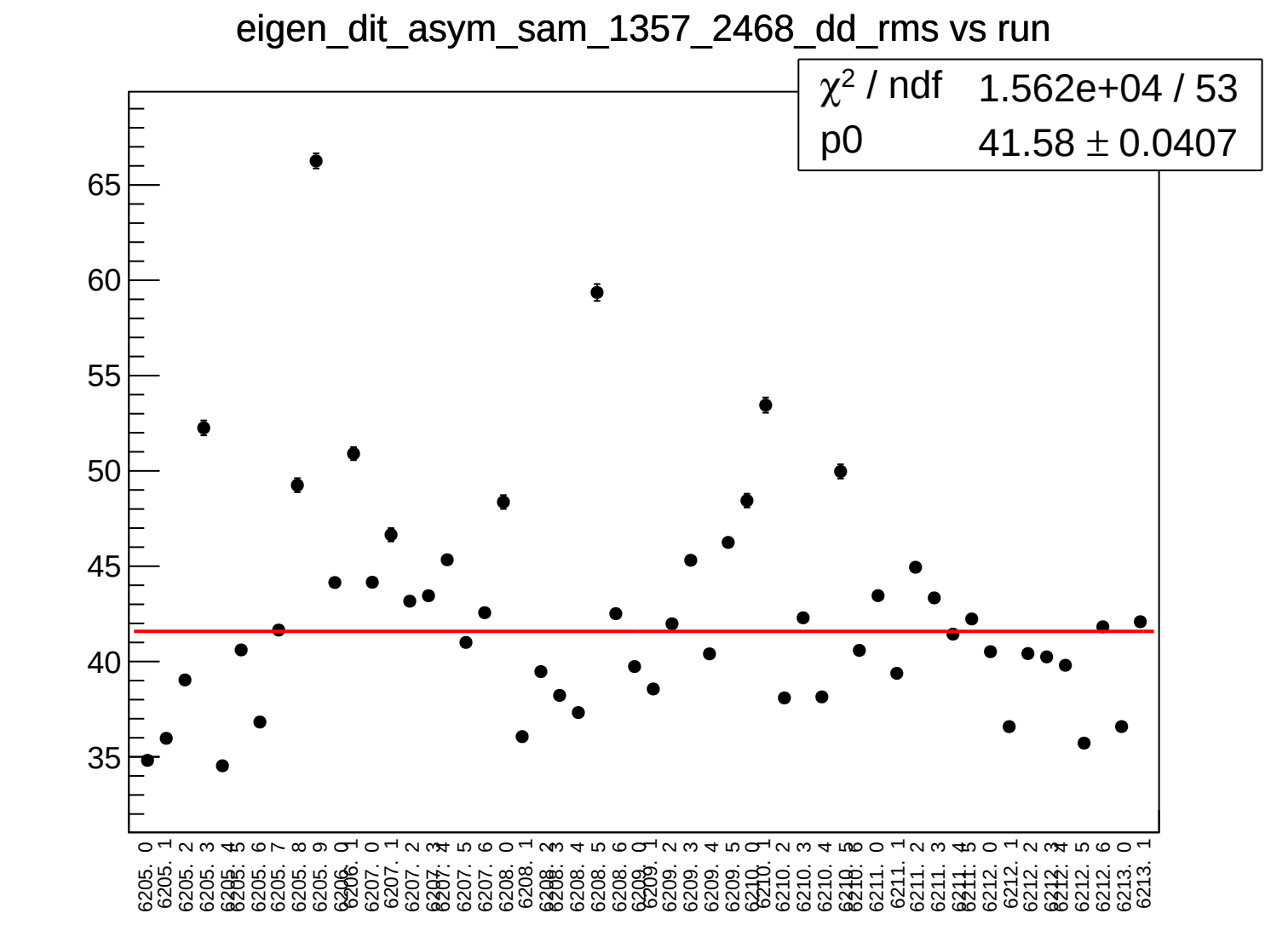
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

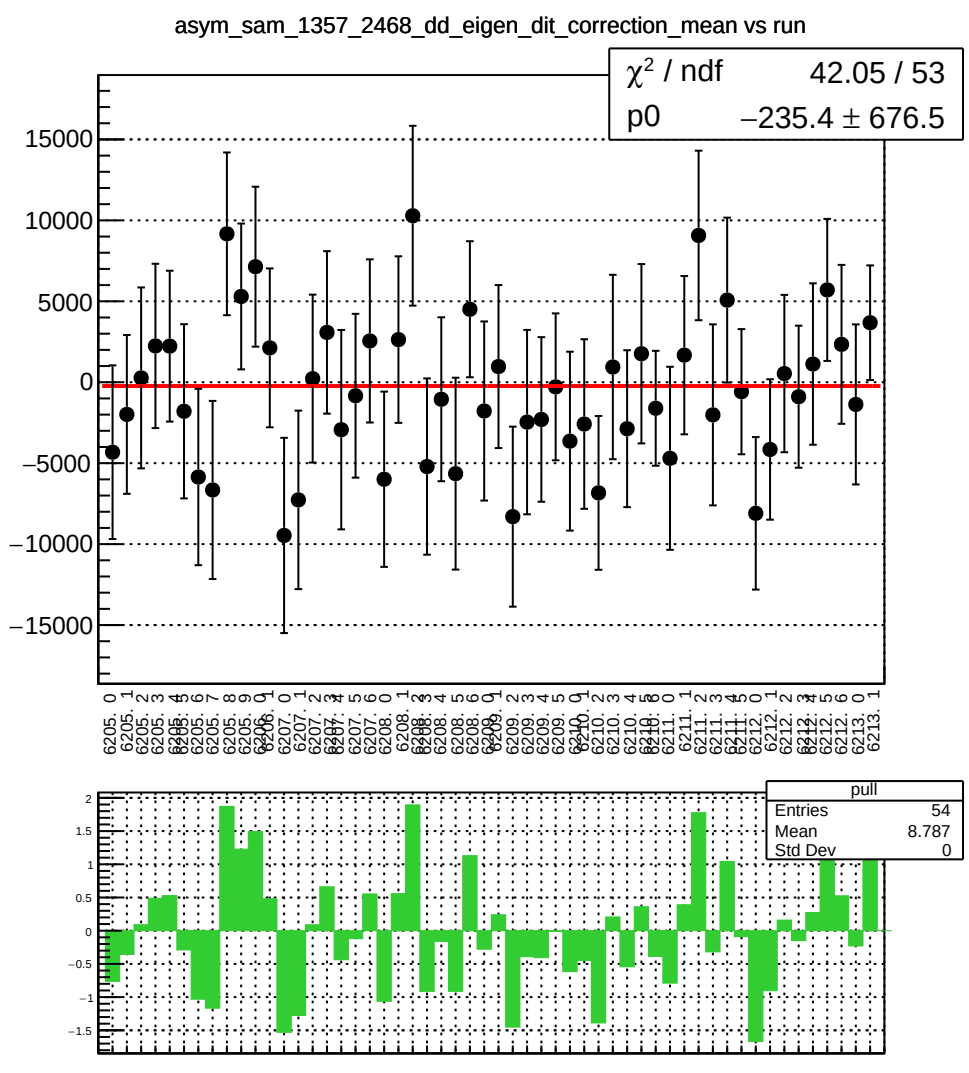

asym_sam_1357_2468_dd_dit_correction_mean vs run
χ² / ndf 42.05 / 53
p0 −235.4 ± 676.5
pull
Entries 54
Mean 8.786
Std Dev 0

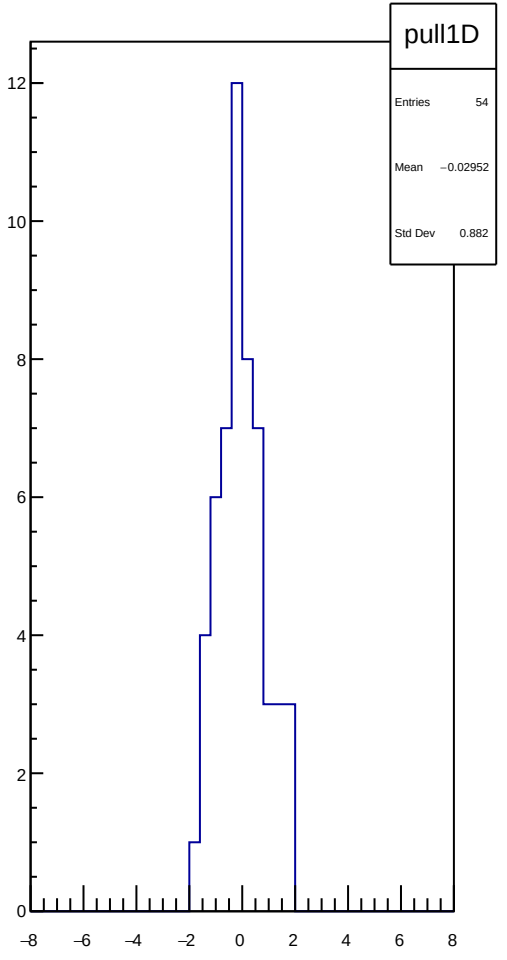

pull1D
Entries 54
Mean −0.02952
Std Dev 0.882

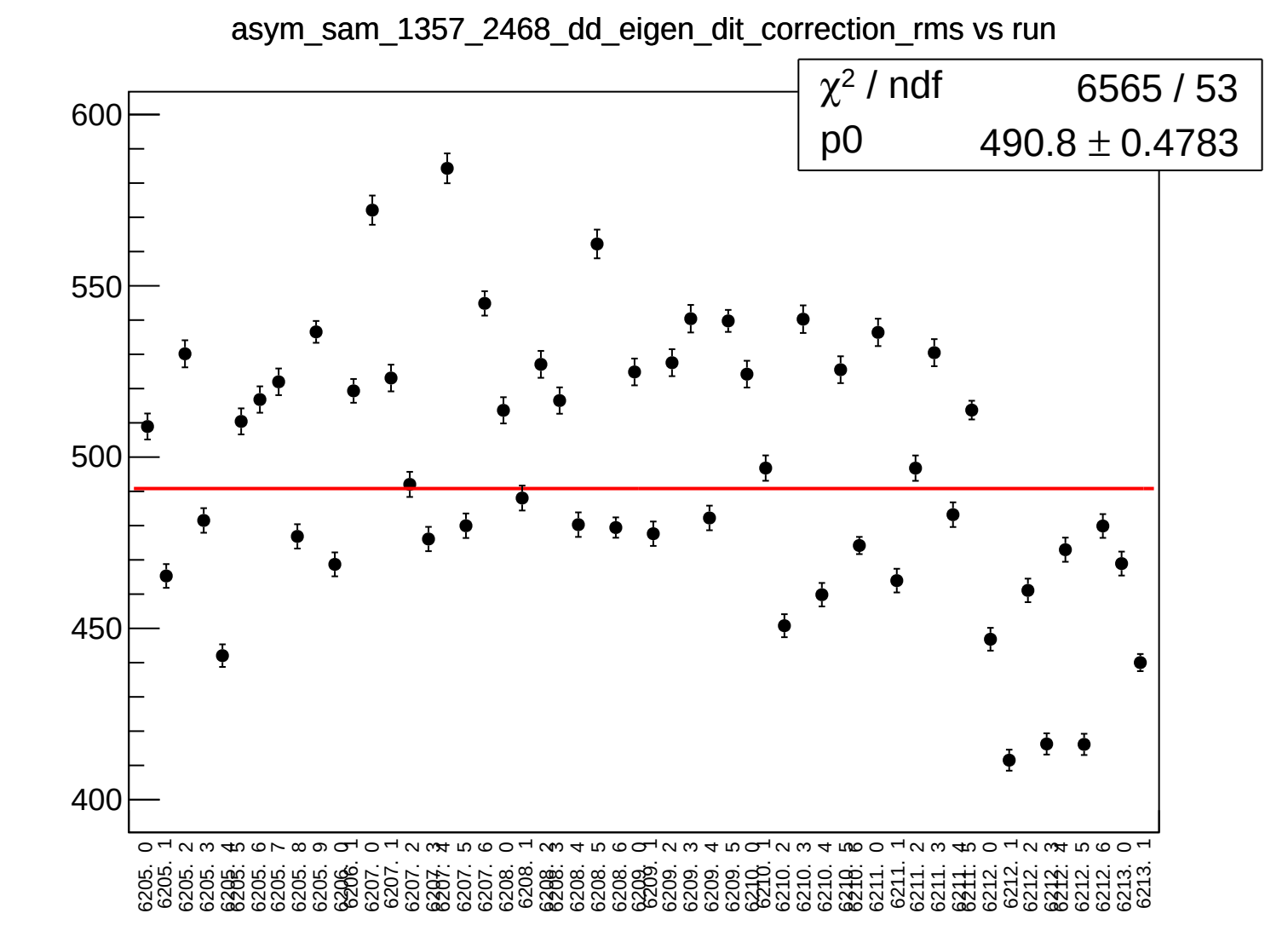

asym_sam_1357_2468_dd_dit_correction_rms vs run
χ² / ndf 6565 / 53
p0 490.8 ± 0.4783
600
550
500
450
400

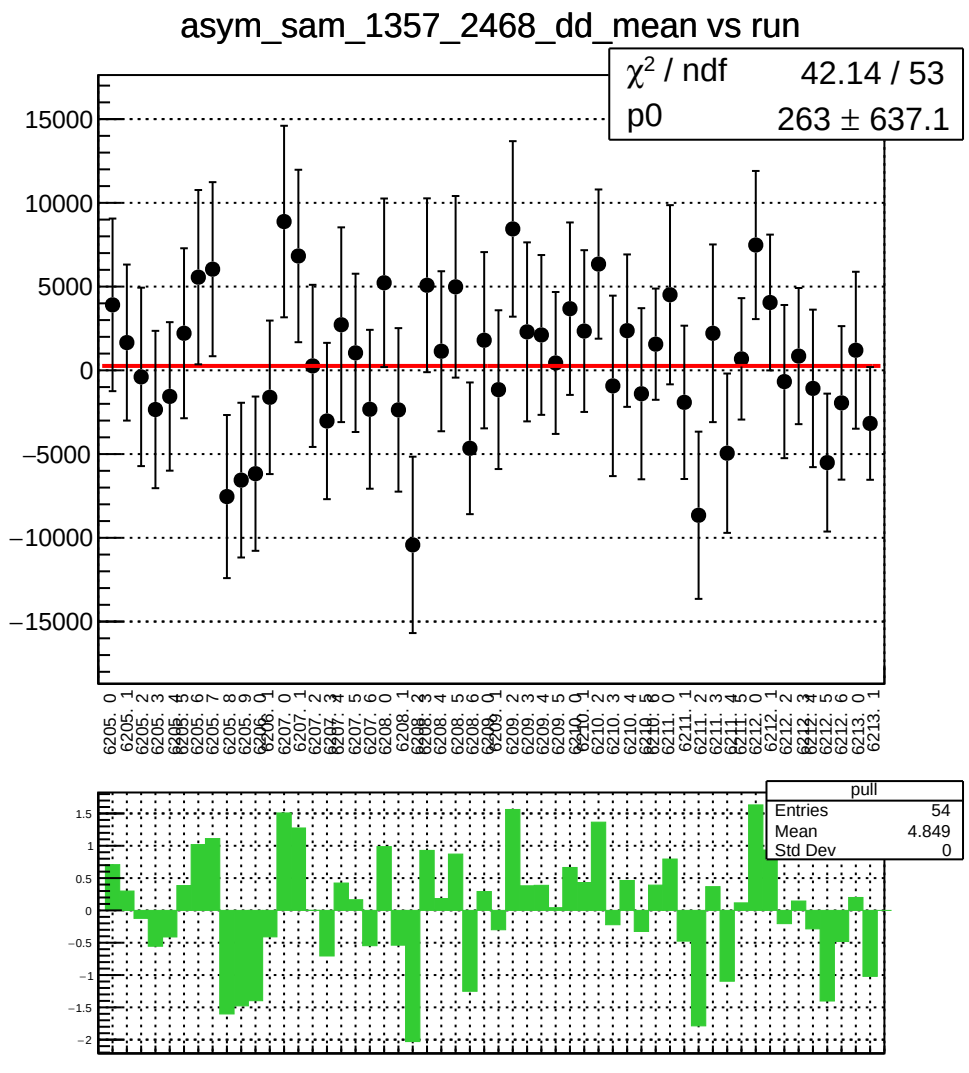

eigen_dit_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 50 / 53
p0 −10.11 ± 57.56
pull
Entries 54
Mean −3.028
Std Dev 0
pull1D
Entries 54
Mean −0.0133
Std Dev 0.9622

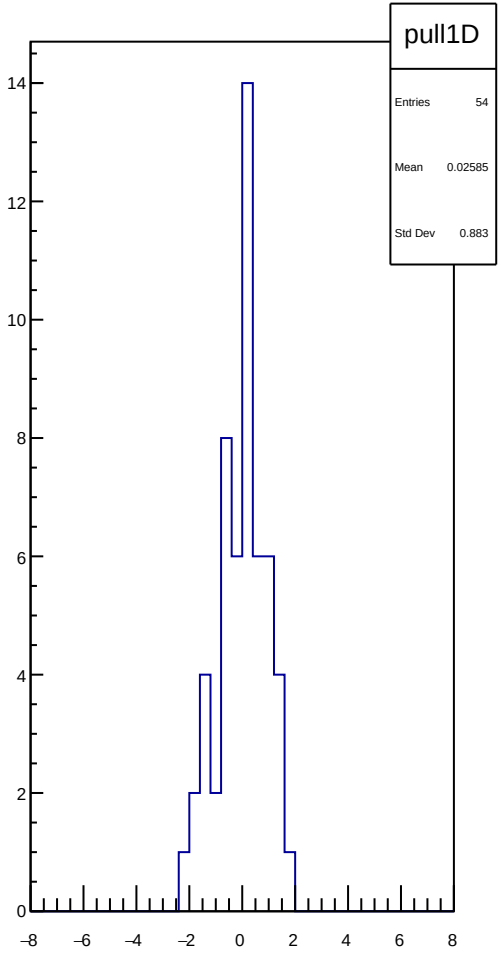

eigen_dit_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 1.562e+04 / 53
p0 41.58 ± 0.0407
65
60
55
50
45
40
35
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

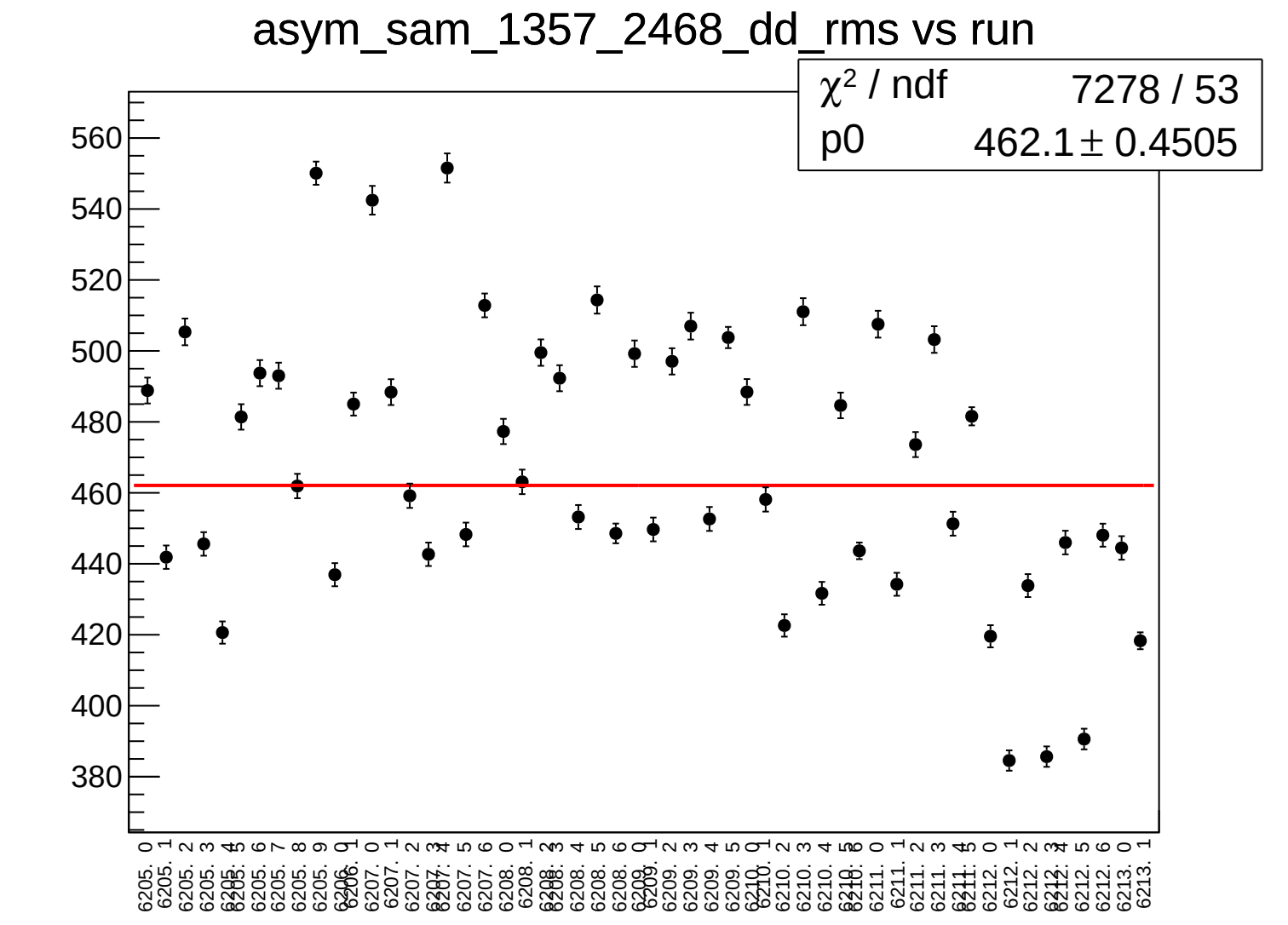

asym_sam_1357_2468_dd_eigen_dit_correction_mean vs run
χ² / ndf 42.05 / 53
p0 −235.4 ± 676.5
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 54
Mean 8.787
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

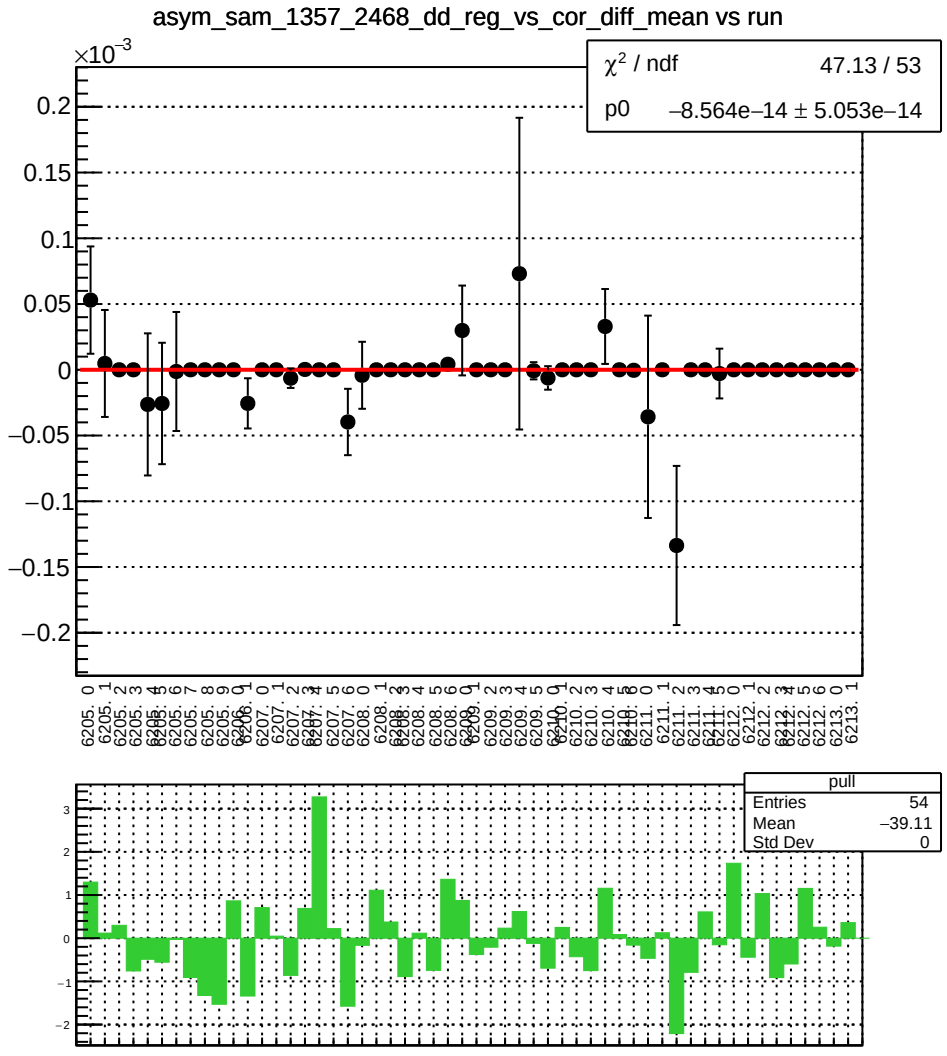

pull1D
Entries 54
Mean −0.02952
Std Dev 0.882
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

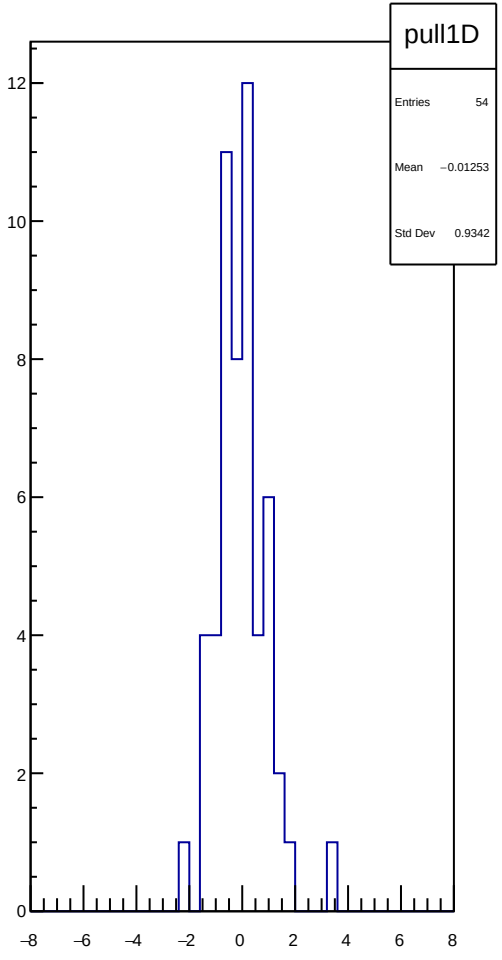

asym_sam_1357_2468_dd_eigen_dit_correction_rms vs run
χ² / ndf 6565 / 53
p0 490.8 ± 0.4783
600
550
500
450
400

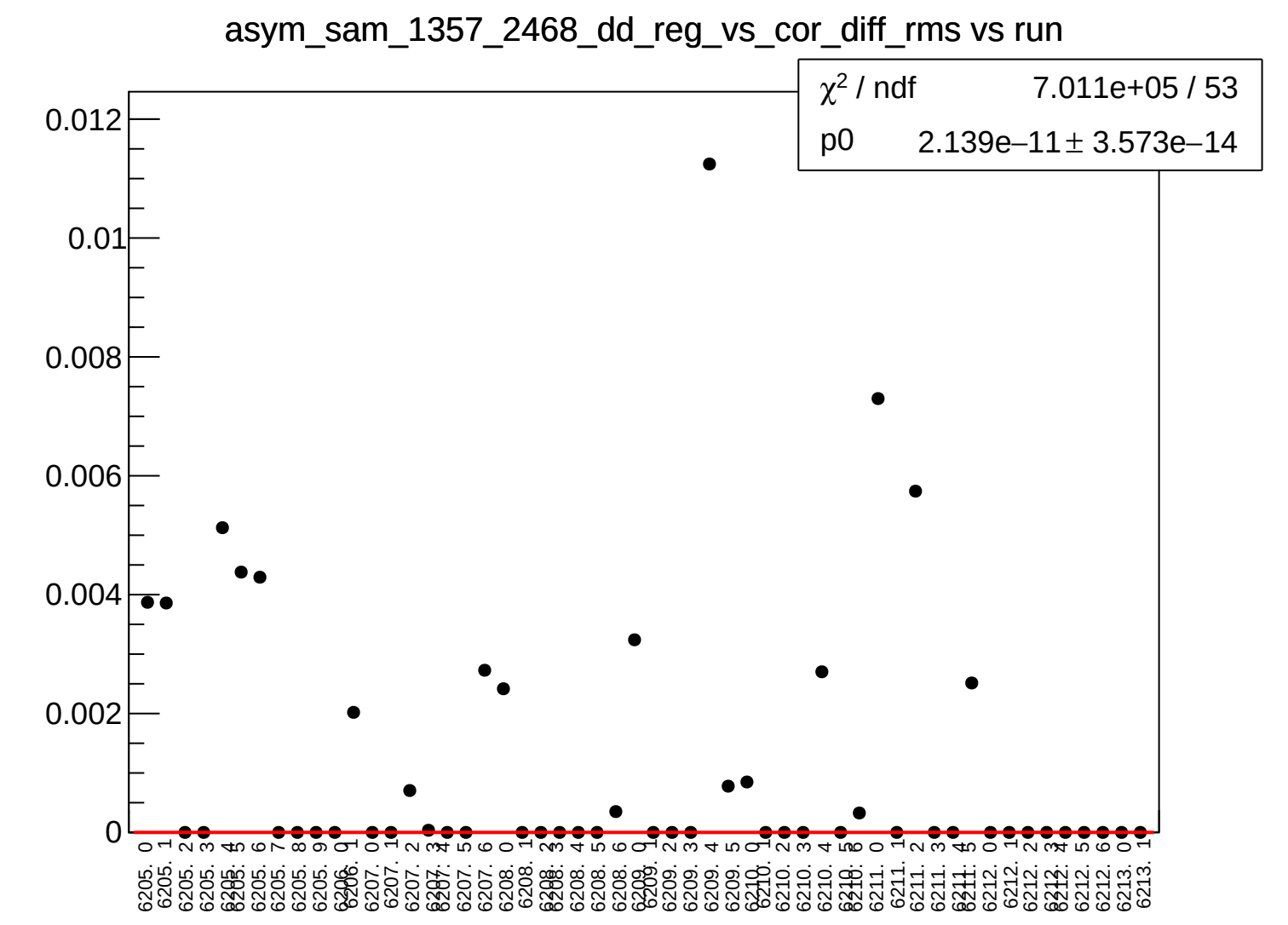

asym_sam_1357_2468_dd_mean vs run
χ² / ndf 42.14 / 53
p0 263 ± 637.1
pull
Entries 54
Mean 4.849
Std Dev 0

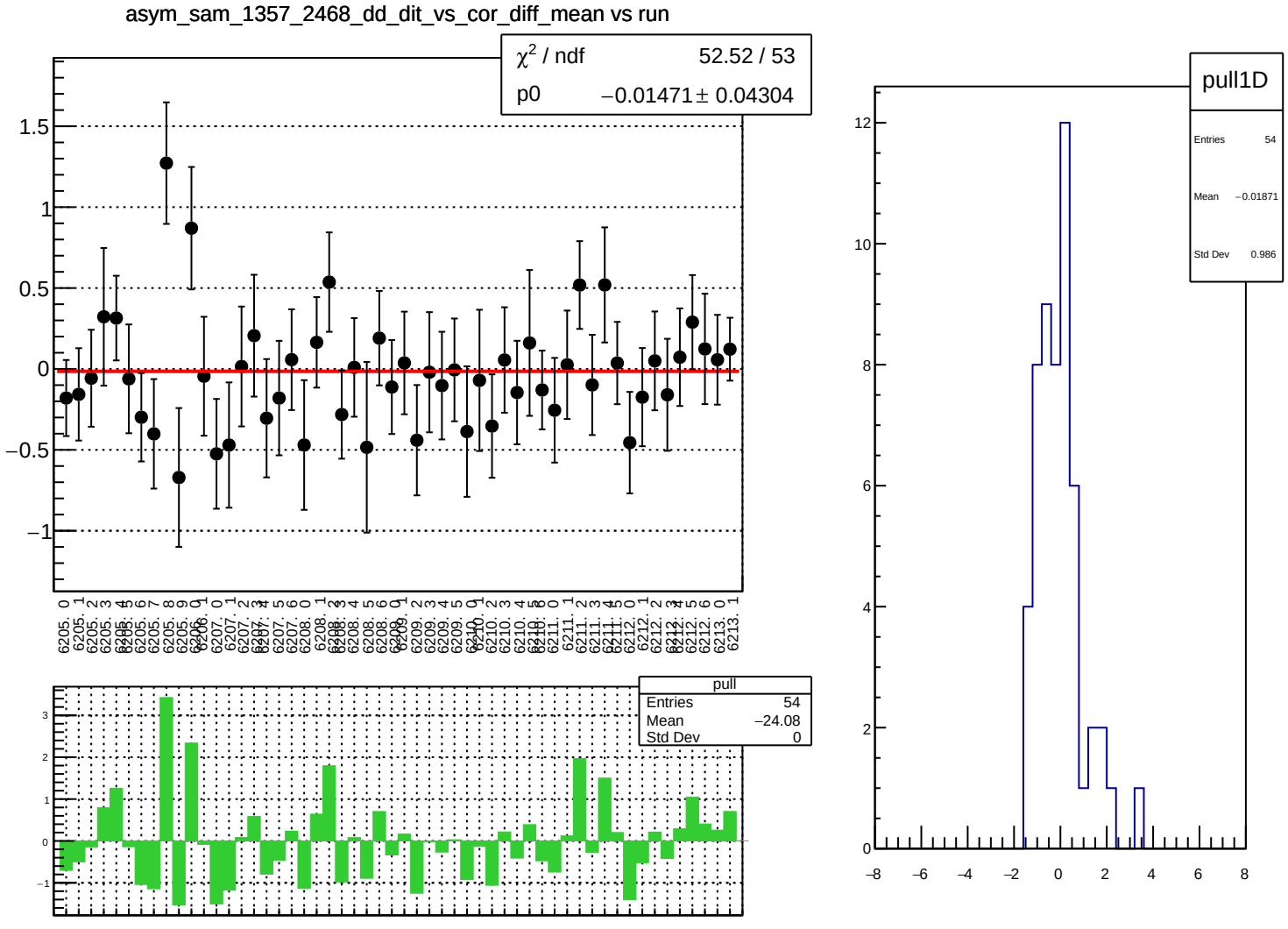

pull1D
Entries 54
Mean 0.02585
Std Dev 0.883

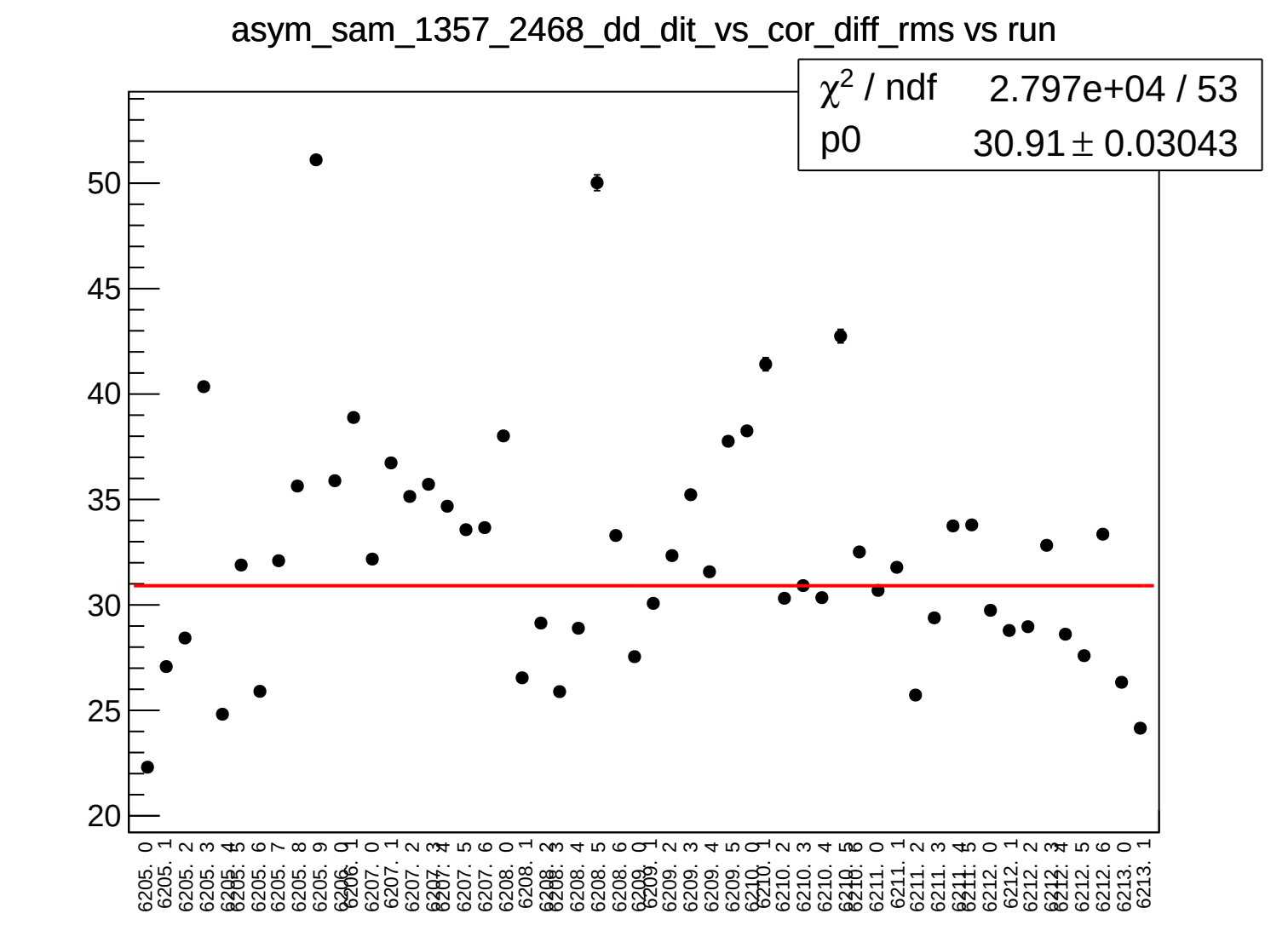

asym_sam_1357_2468_dd_rms vs run
χ² / ndf 7278 / 53
p0 462.1 ± 0.4505
560
540
520
500
480
460
440
420
400
380
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

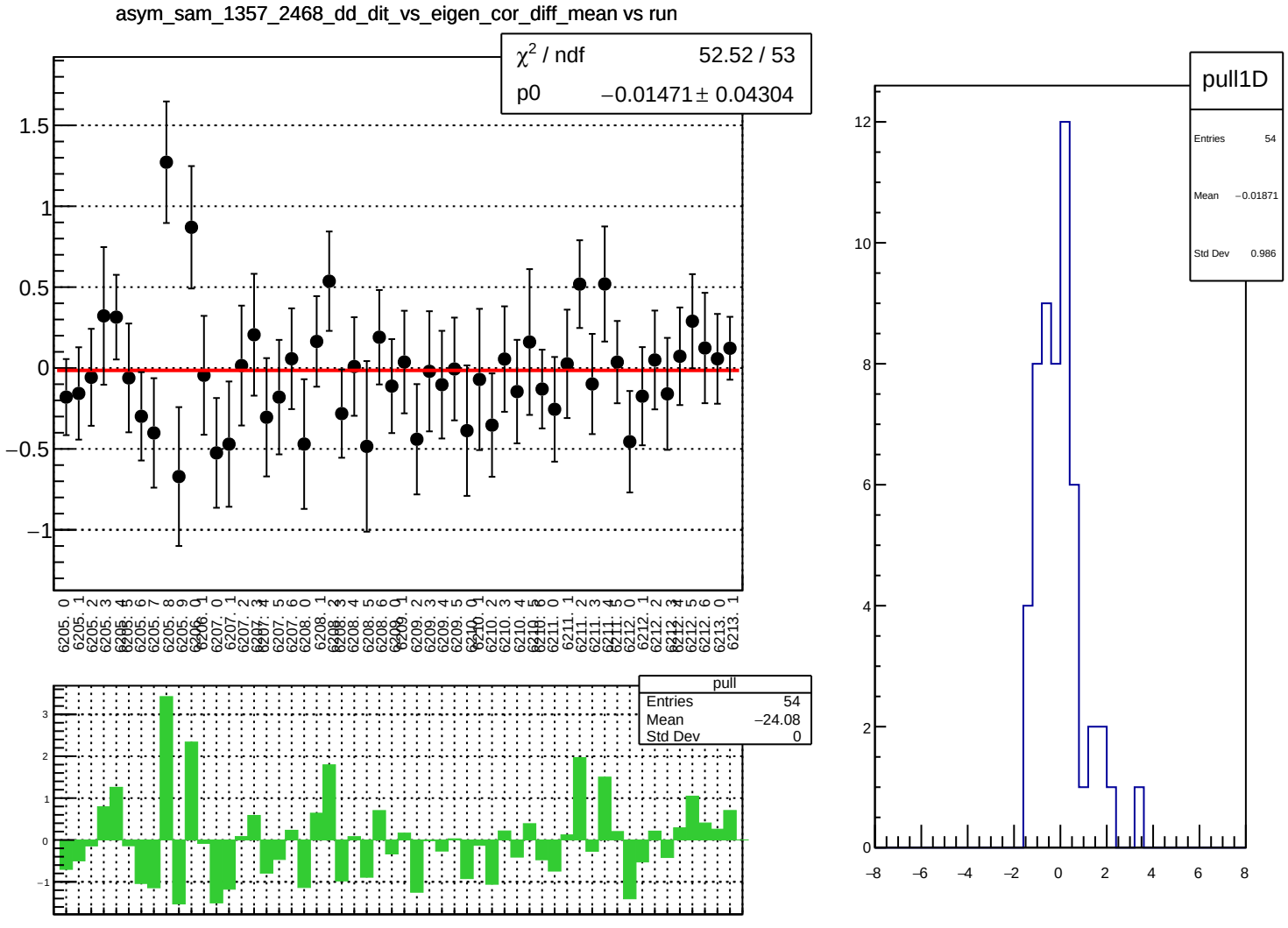

asym_sam_1357_2468_dd_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 47.13 / 53
p0 −8.564e−14 ± 5.053e−14
pull
Entries 54
Mean −39.11
Std Dev 0

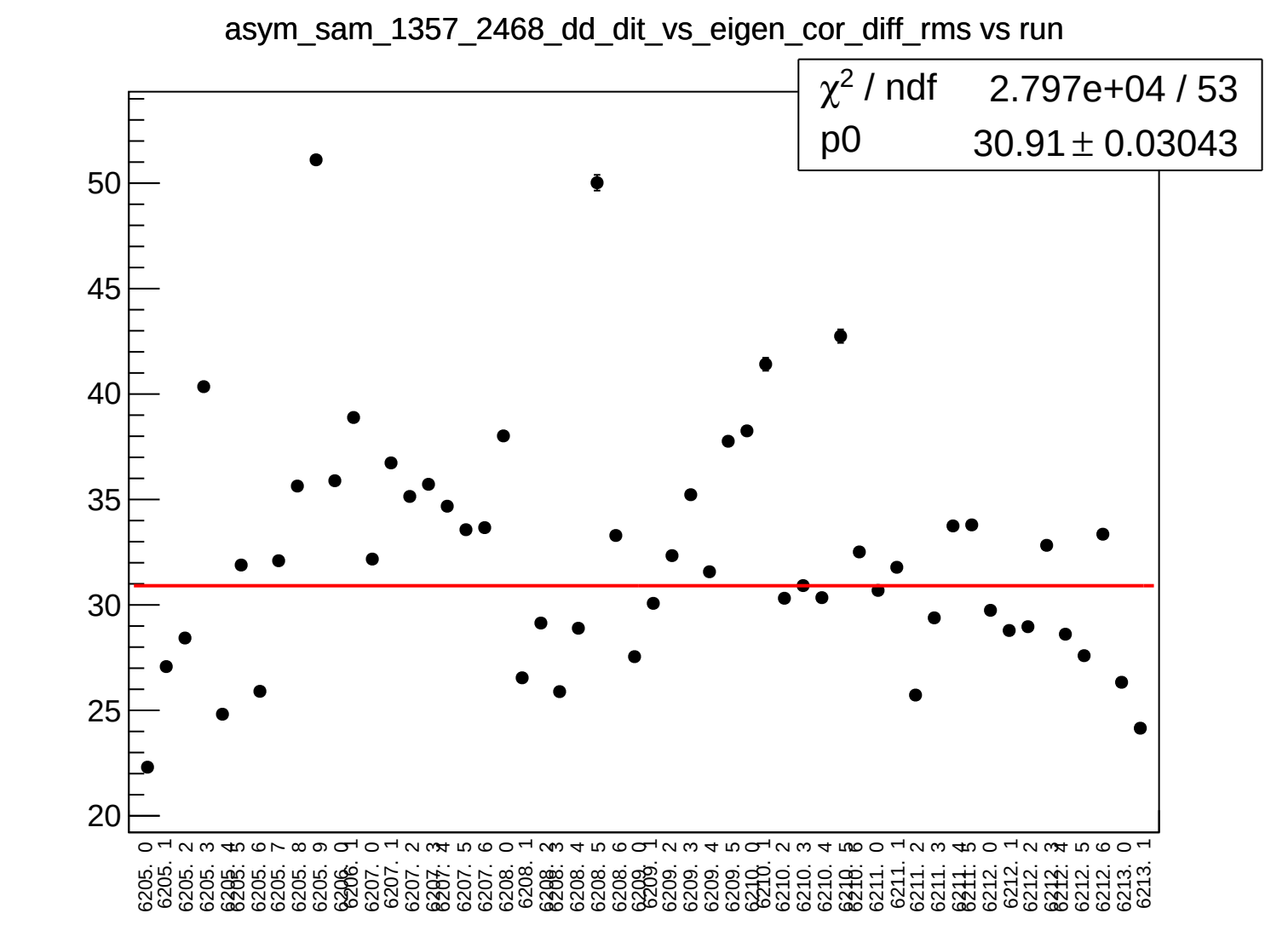

pull1D
Entries 54
Mean −0.01253
Std Dev 0.9342

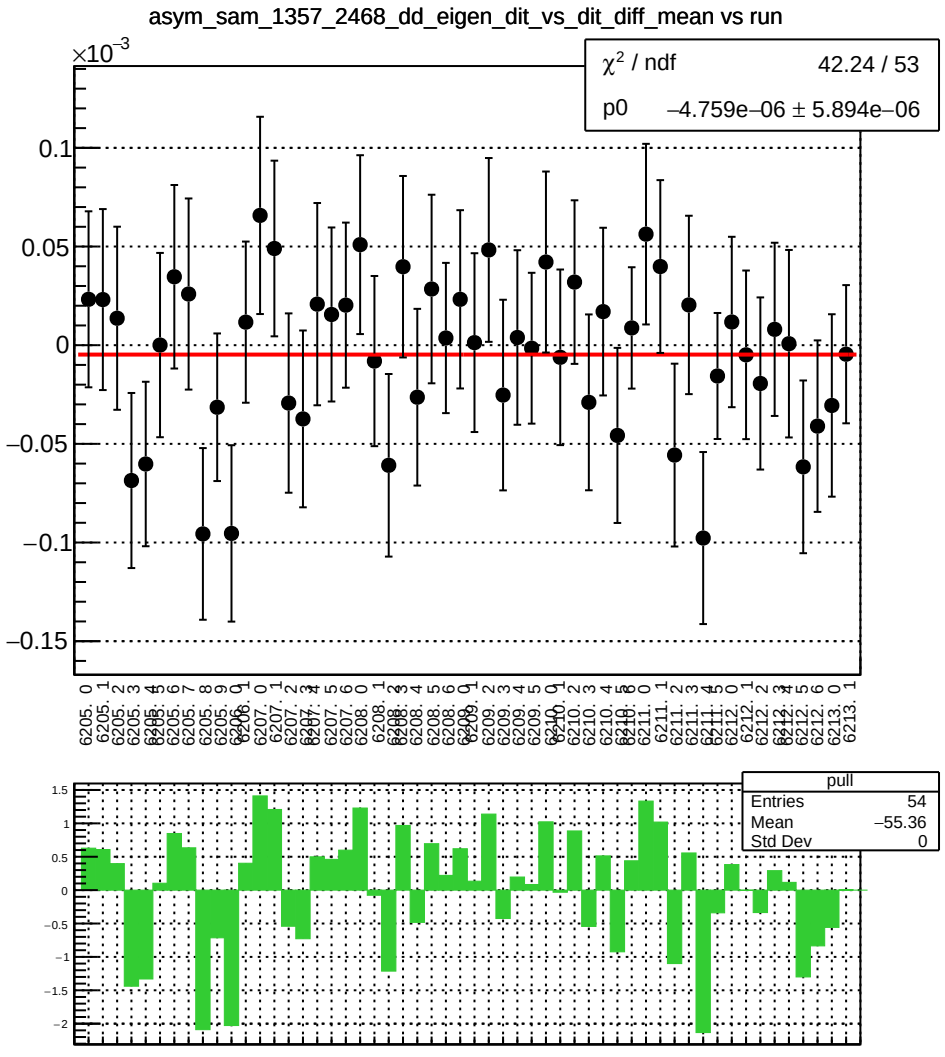

asym_sam_1357_2468_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 7.011e+05 / 53
p0 2.139e−11 ± 3.573e−14
0.012
0.01
0.008
0.006
0.004
0.002
0

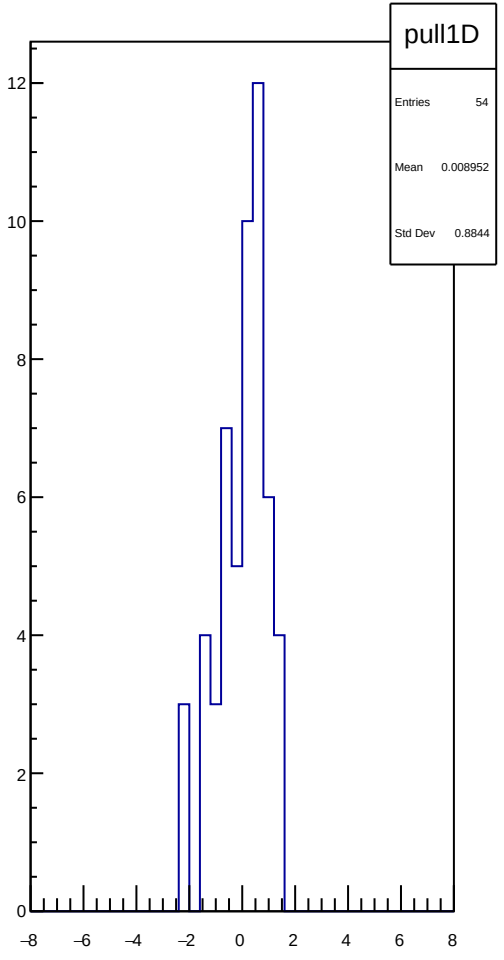

asym_sam_1357_2468_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 52.52 / 53
p0 −0.01471 ± 0.04304
pull
Entries 54
Mean −24.08
Std Dev 0
pull1D
Entries 54
Mean −0.01871
Std Dev 0.986

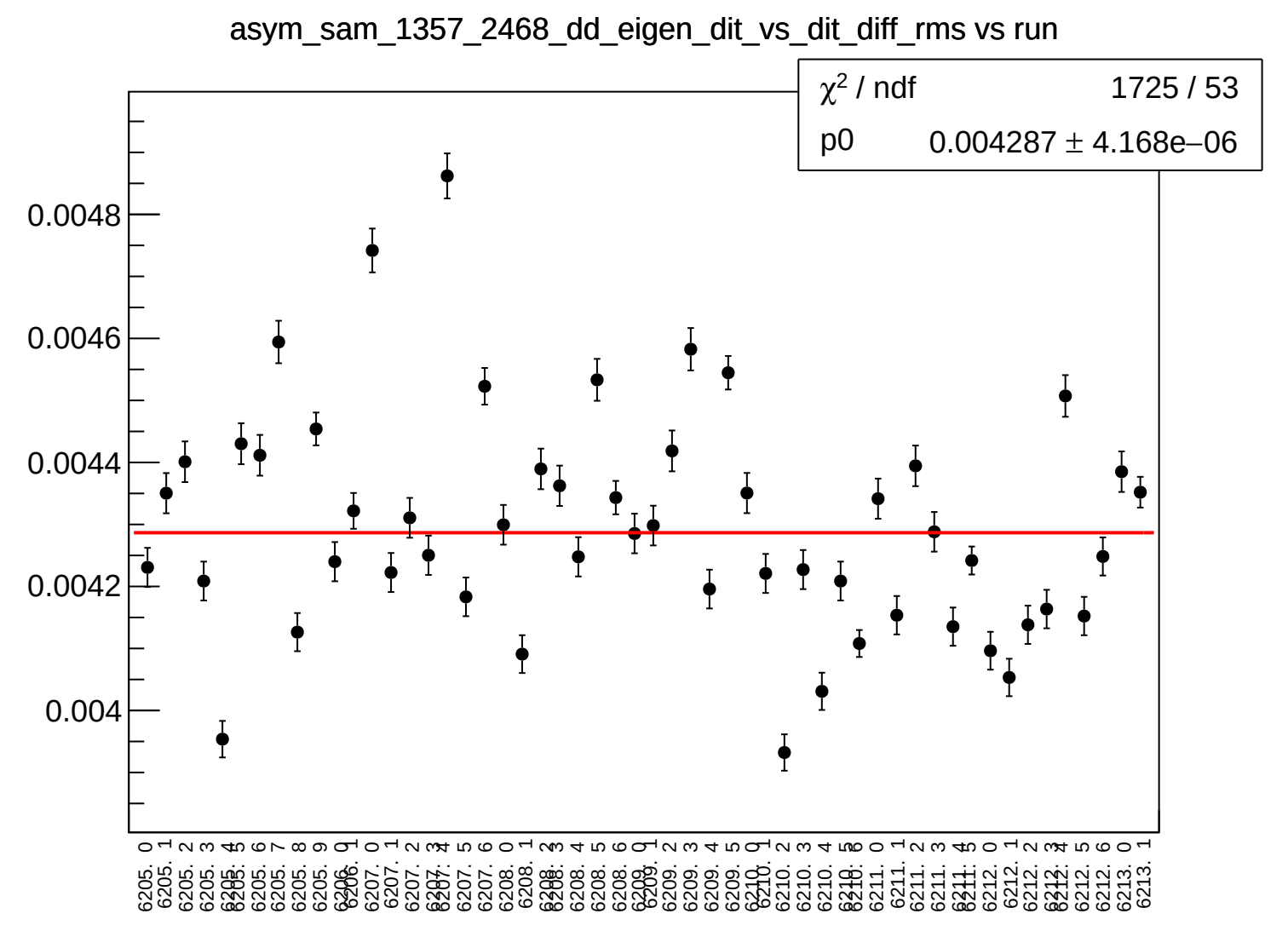

asym_sam_1357_2468_dd_dit_vs_cor_diff_rms vs run
χ^2 / ndf 2.797e+04 / 53
p0 30.91 ± 0.03043
50
45
40
35
30
25
20
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

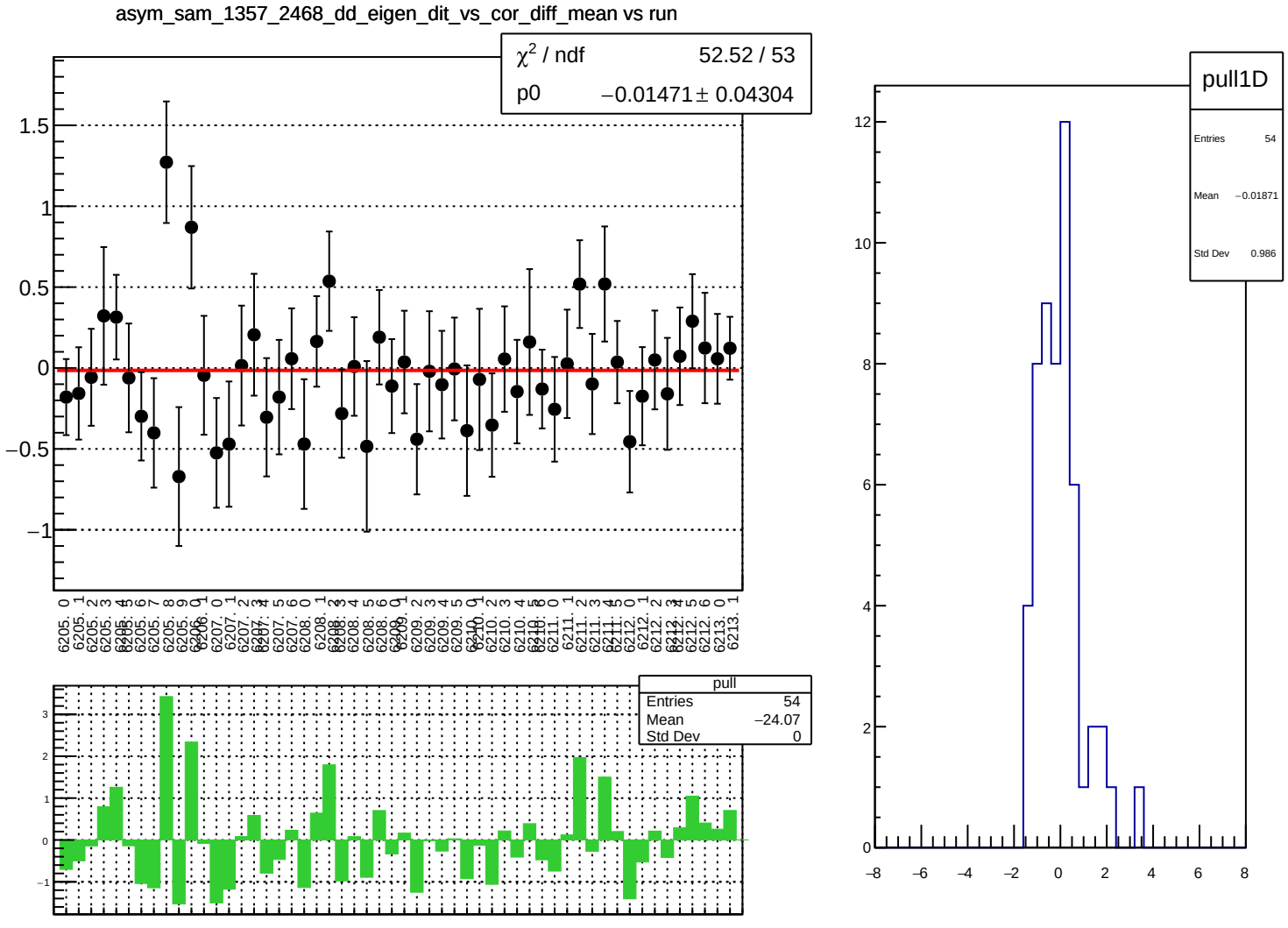

asym_sam_1357_2468_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 52.52 / 53
p0 −0.01471 ± 0.04304
pull
Entries 54
Mean −24.08
Std Dev 0
pull1D
Entries 54
Mean −0.01871
Std Dev 0.986

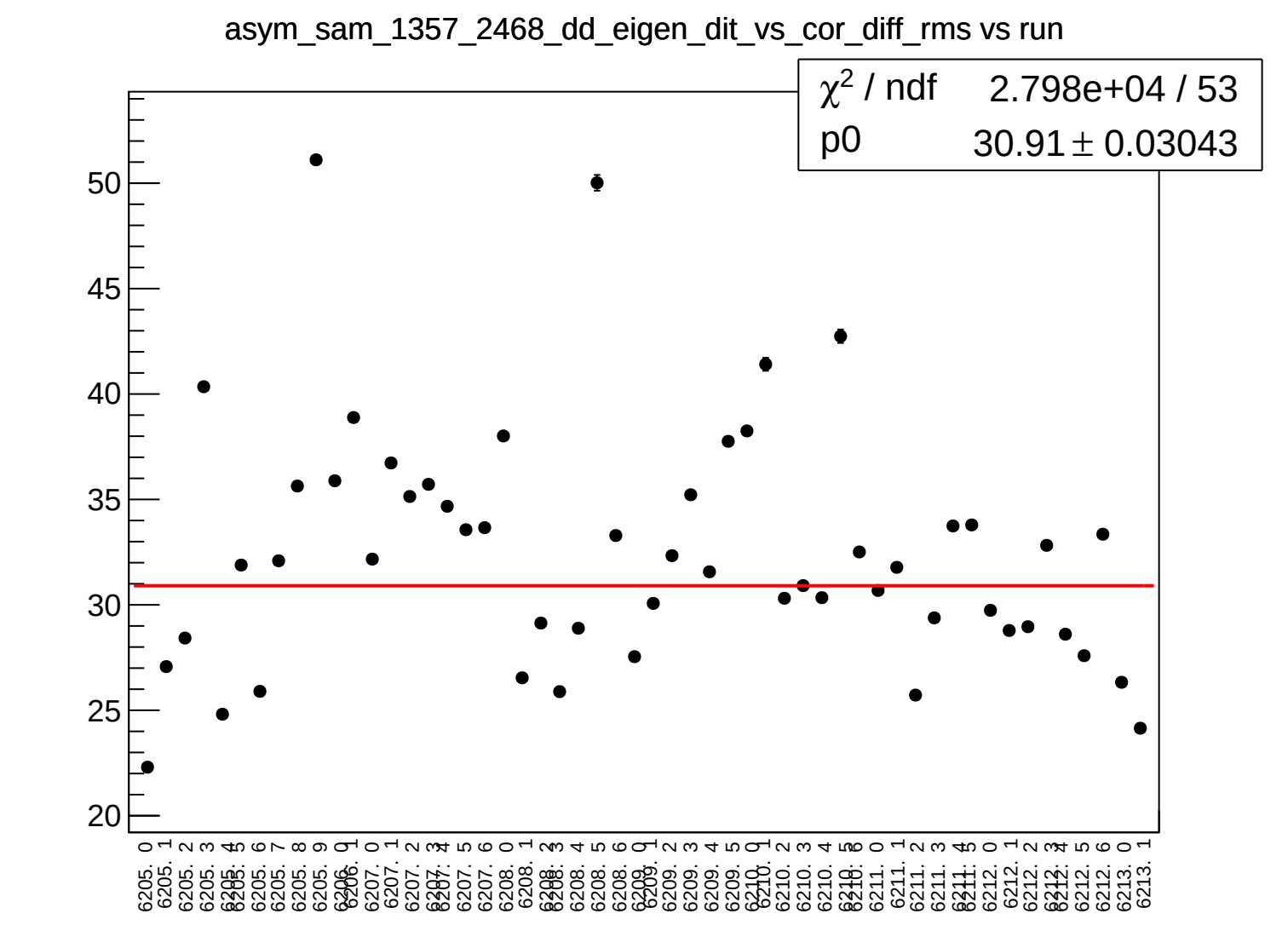

asym_sam_1357_2468_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.797e+04 / 53
p0 30.91 ± 0.03043
50
45
40
35
30
25
20
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 42.24 / 53
p0 −4.759e−06 ± 5.894e−06
pull
Entries 54
Mean −55.36
Std Dev 0


pull1D
Entries 54
Mean 0.008952
Std Dev 0.8844


asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1725 / 53
p0 0.004287 ± 4.168e−06
0.0048
0.0046
0.0044
0.0042
0.004


asym_sam_1357_2468_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 52.52 / 53
p0 −0.01471 ± 0.04304
pull
Entries 54
Mean −24.07
Std Dev 0
pull1D
Entries 54
Mean −0.01871
Std Dev 0.986


asym_sam_1357_2468_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.798e+04 / 53
p0 30.91 ± 0.03043
50
45
40
35
30
25
20
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
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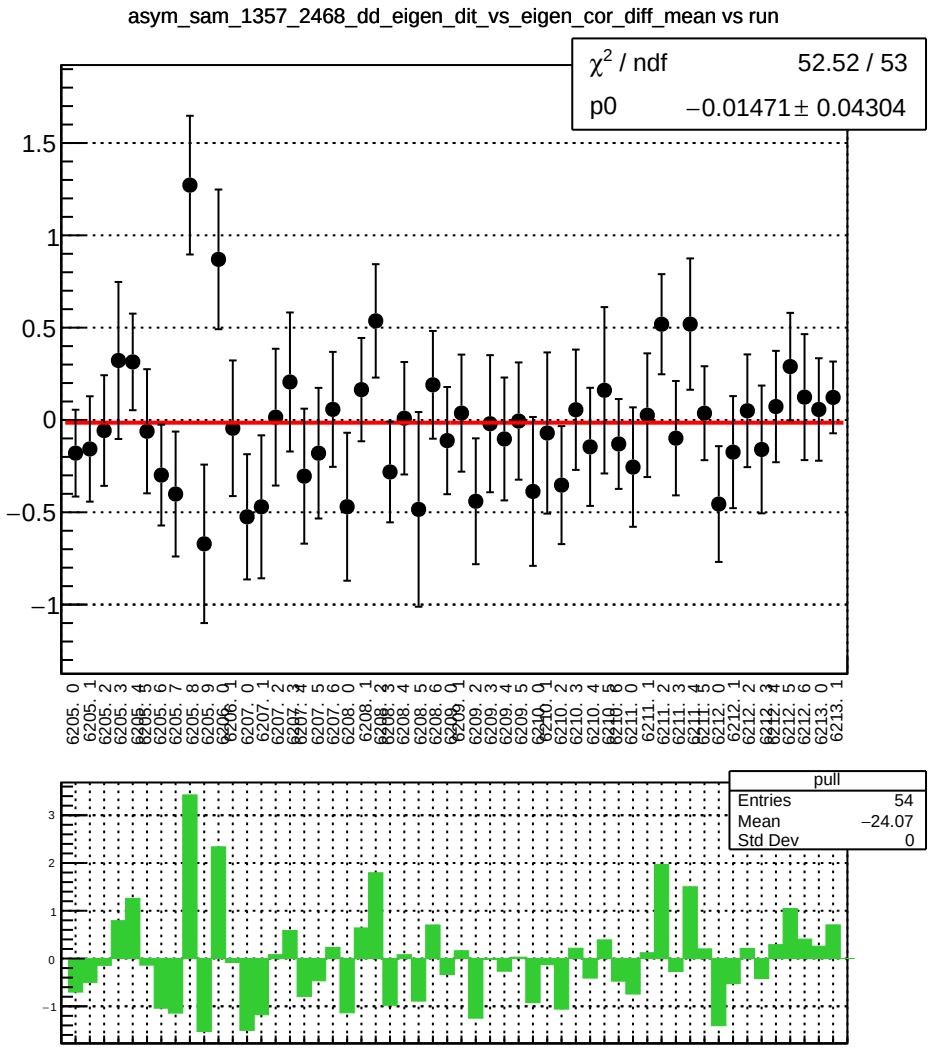
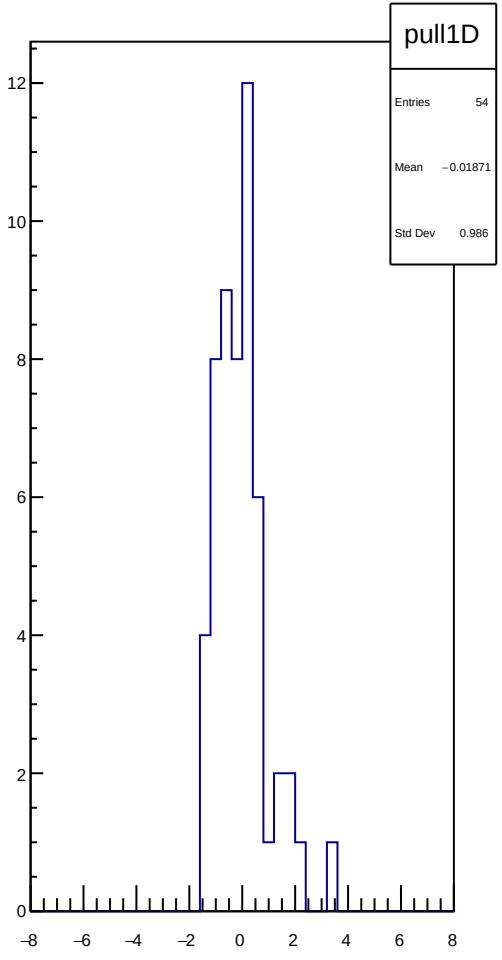
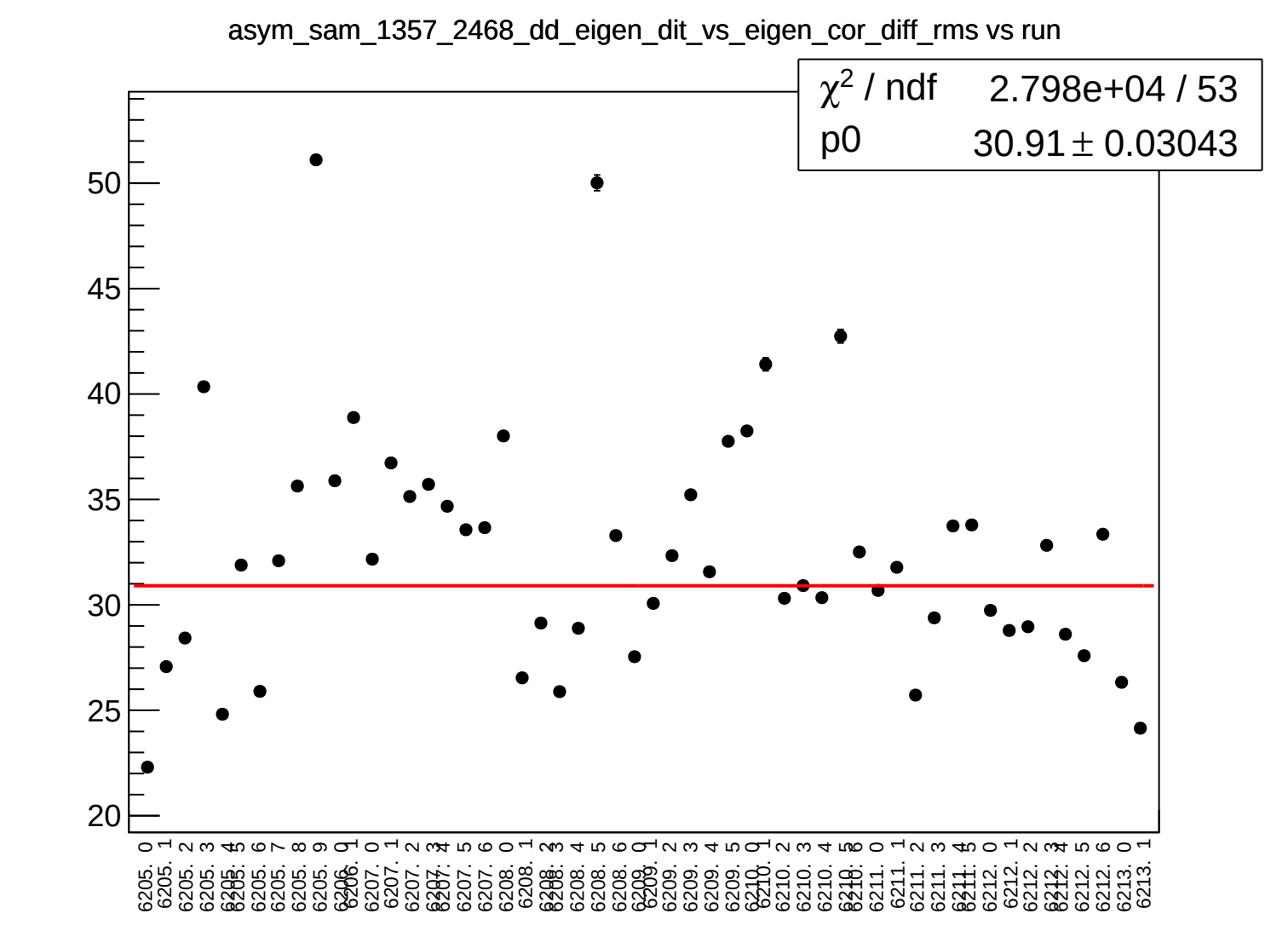
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 52.52 / 53
p0 −0.01471 ± 0.04304
pull
Entries 54
Mean −24.07
Std Dev 0


pull1D
Entries 54
Mean −0.01871
Std Dev 0.986


asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.798e+04 / 53
p0 30.91 ± 0.03043
50
45
40
35
30
25
20
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
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6212. 1
6212. 2
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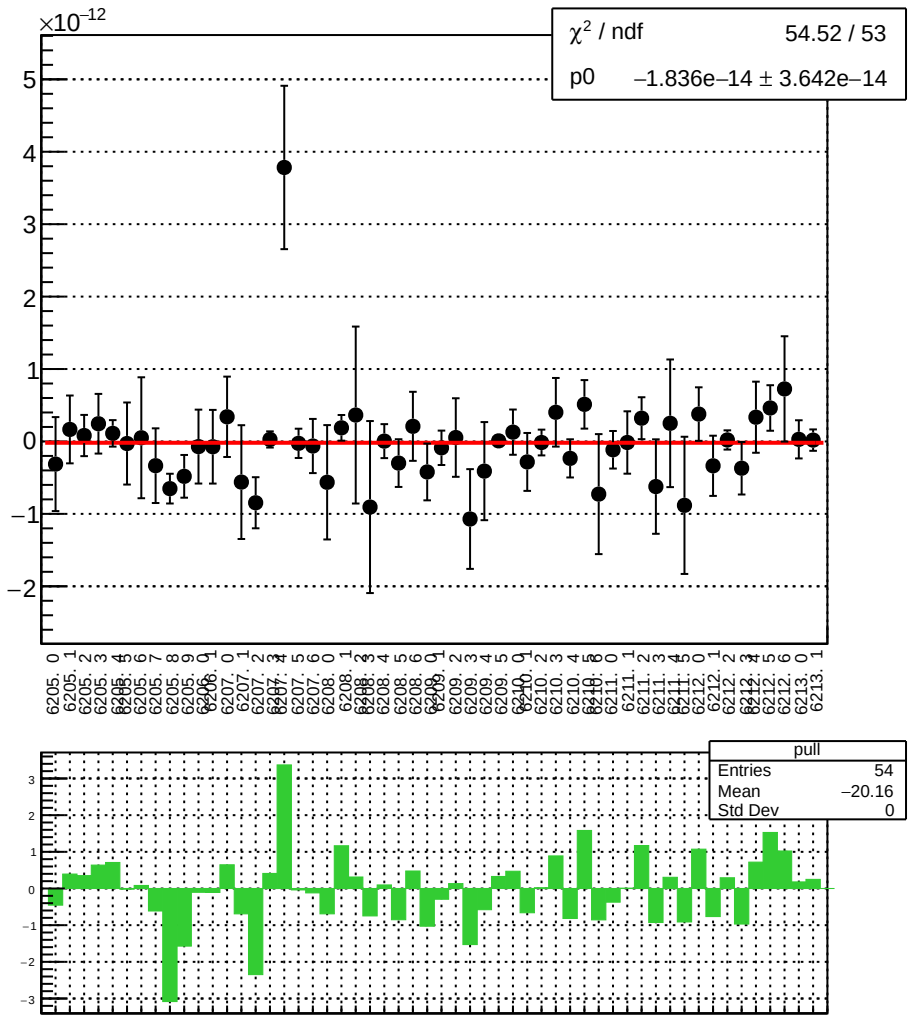
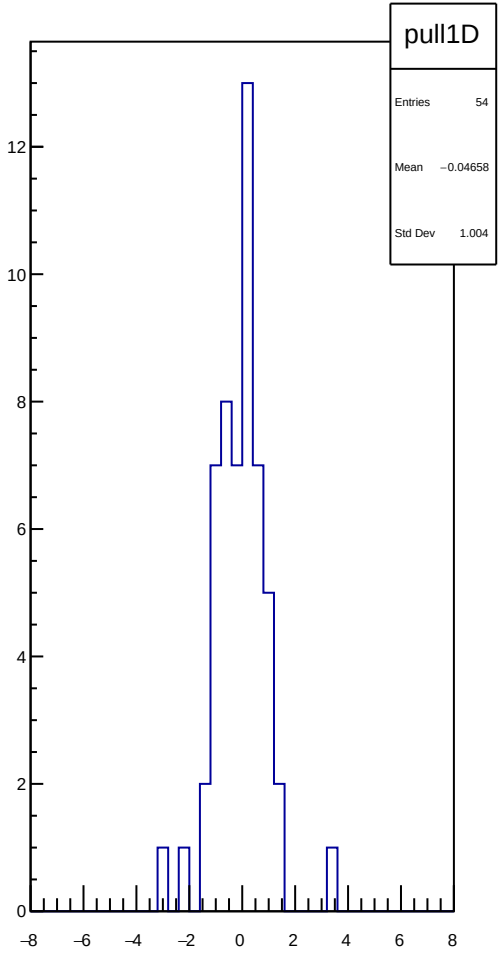
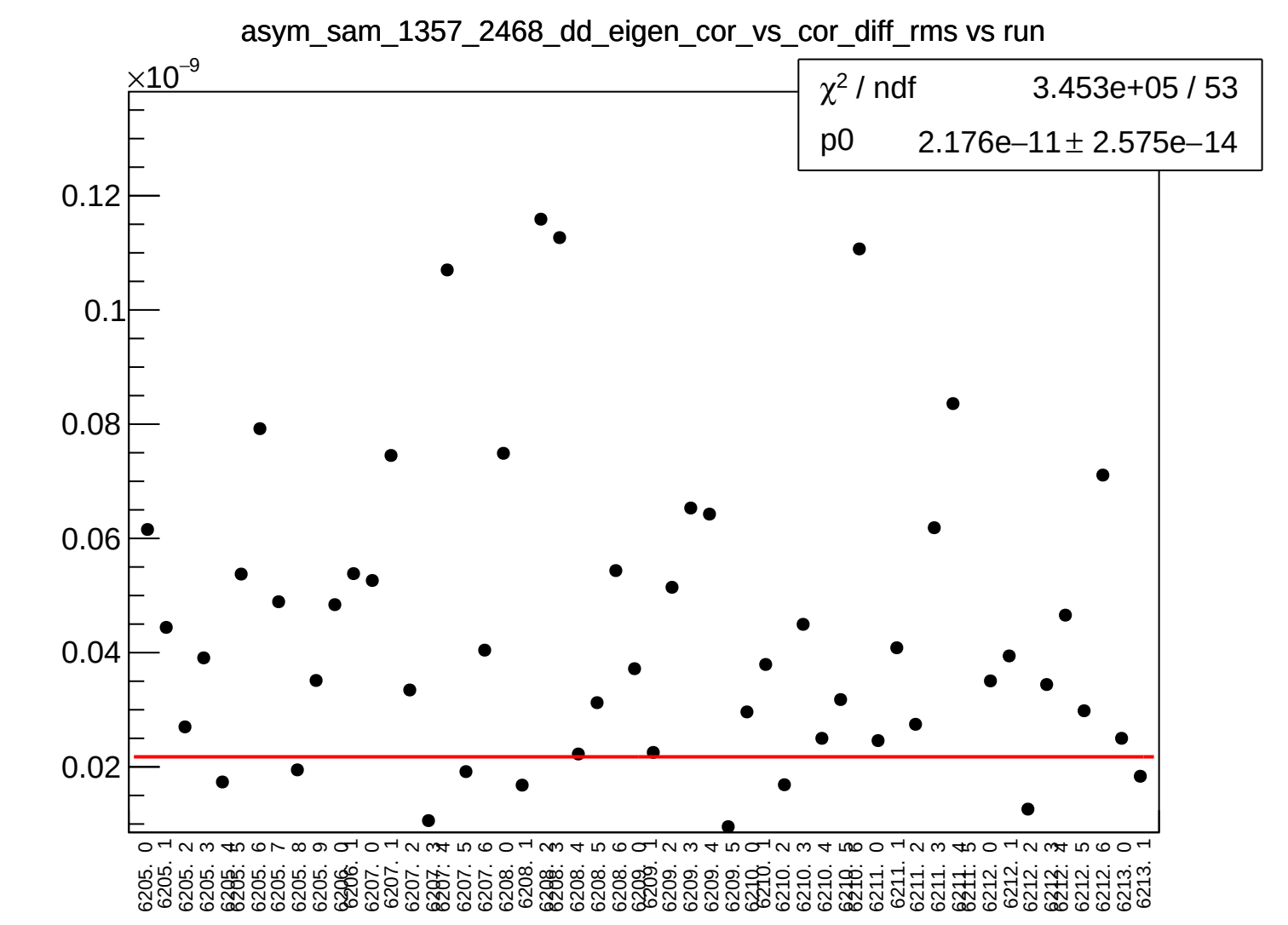
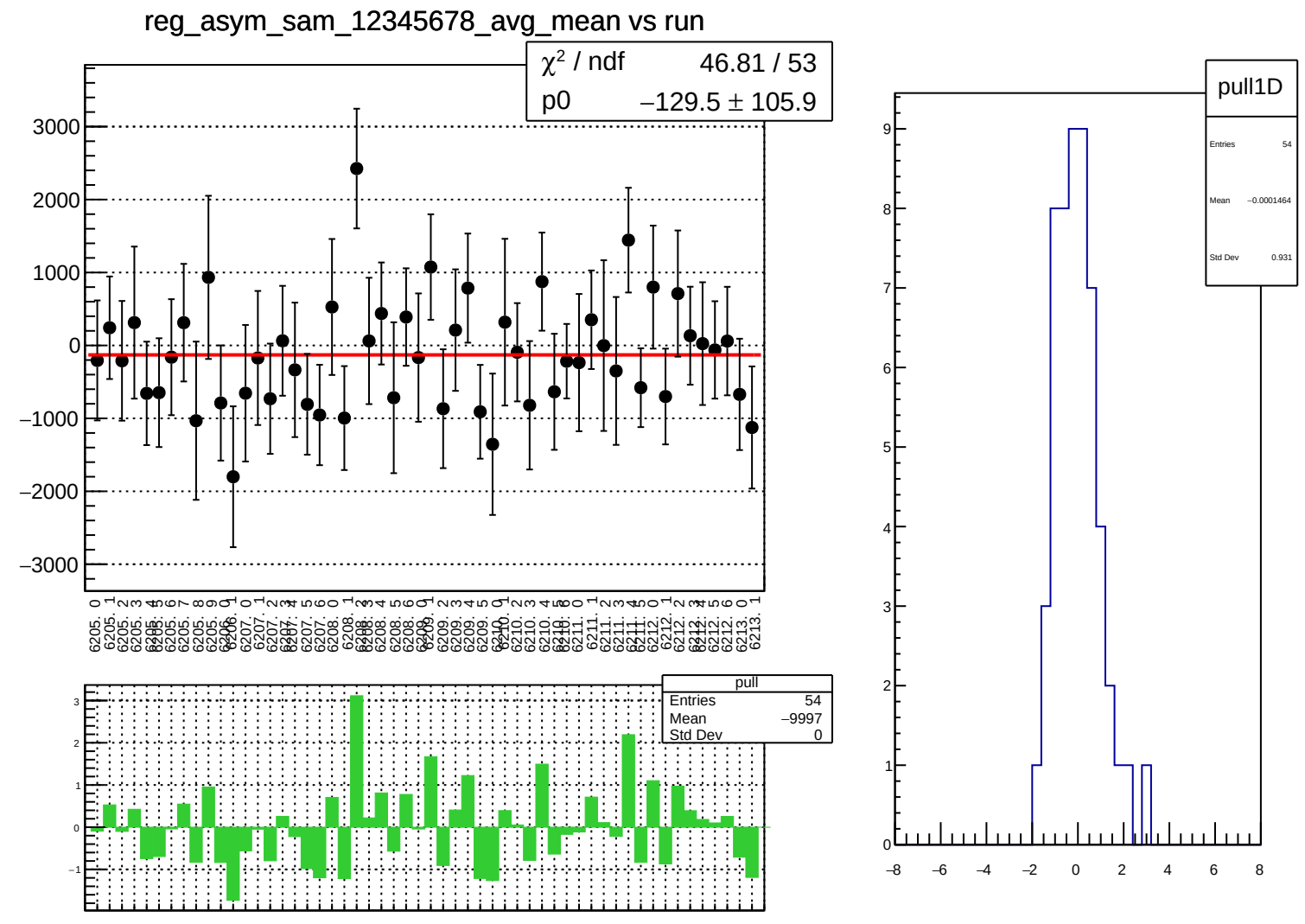
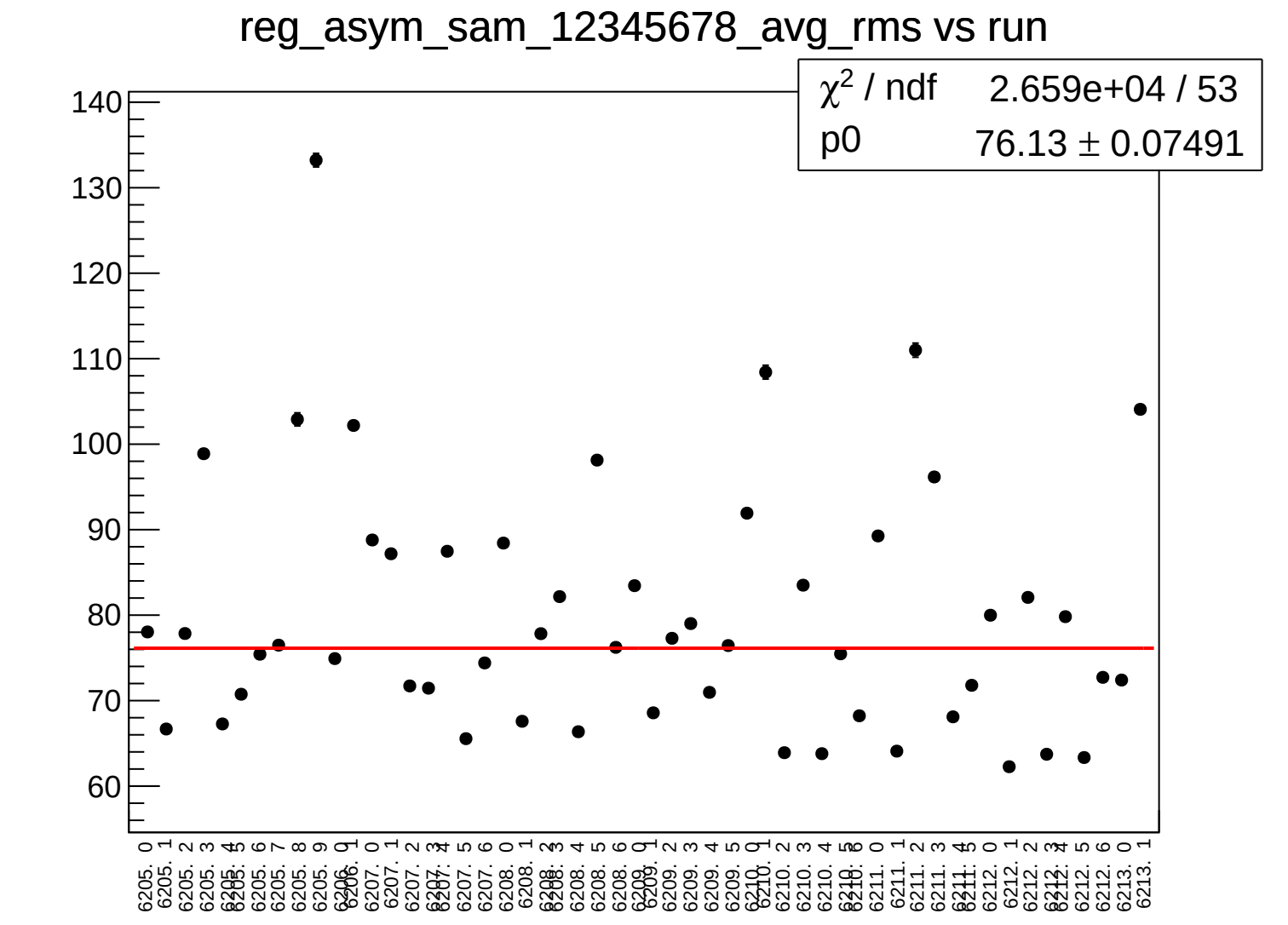
6212. 5
6212. 6
6213. 0
6213. 1

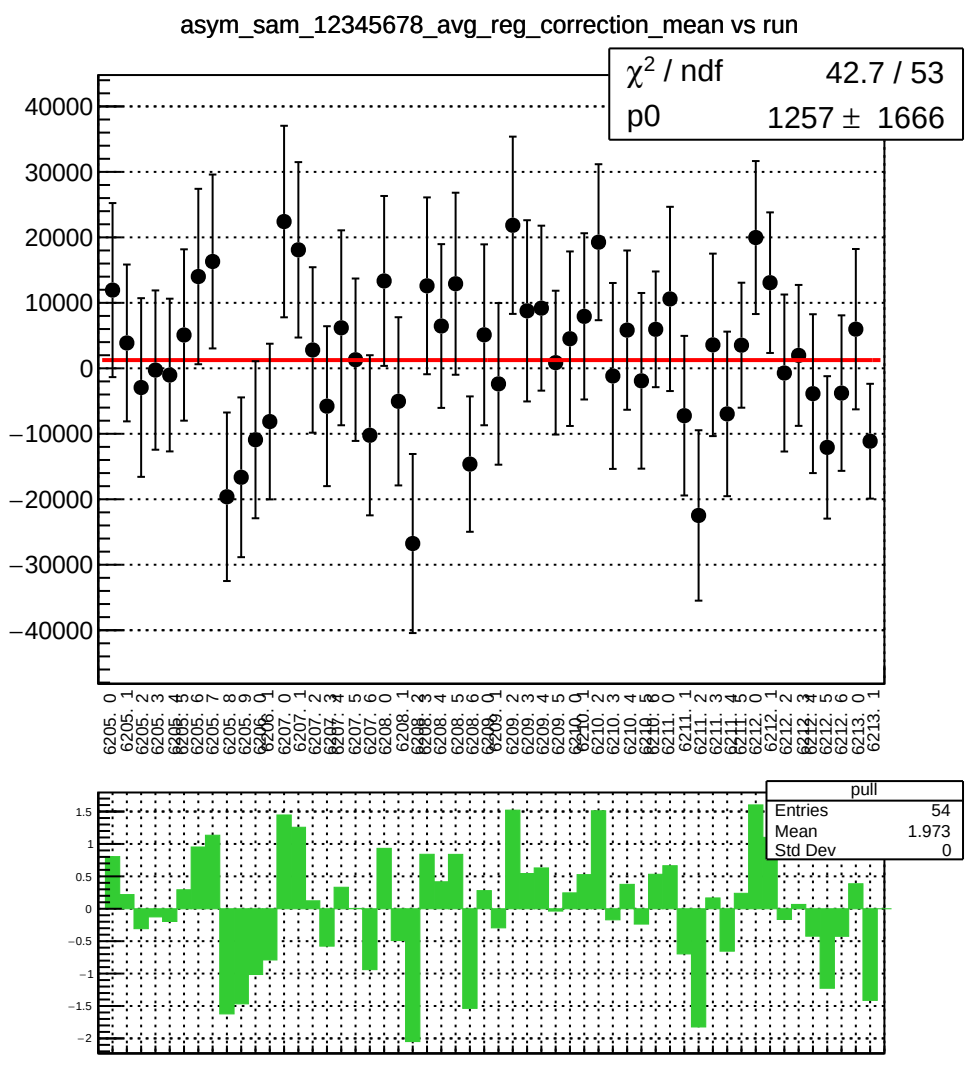

asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 54.52 / 53
p0 −1.836e−14 ± 3.642e−14
pull
Entries 54
Mean −20.16
Std Dev 0

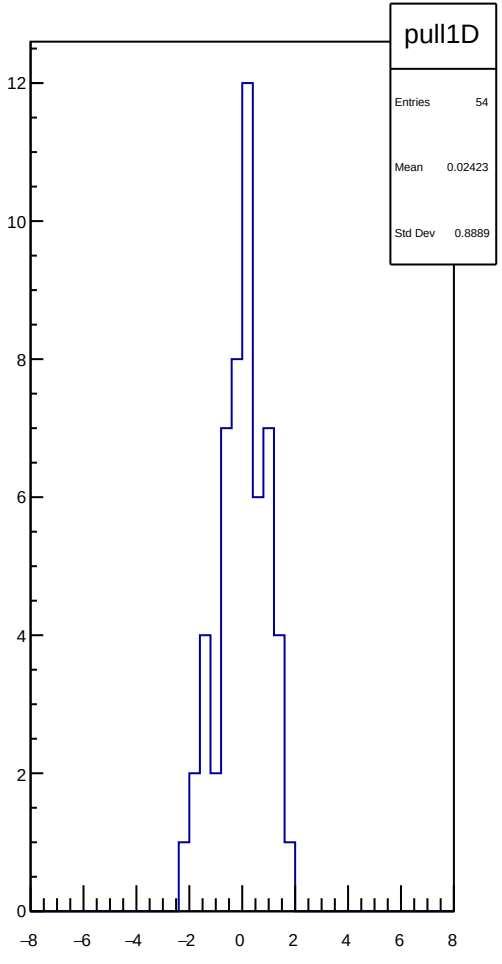

pull1D
Entries 54
Mean −0.04658
Std Dev 1.004

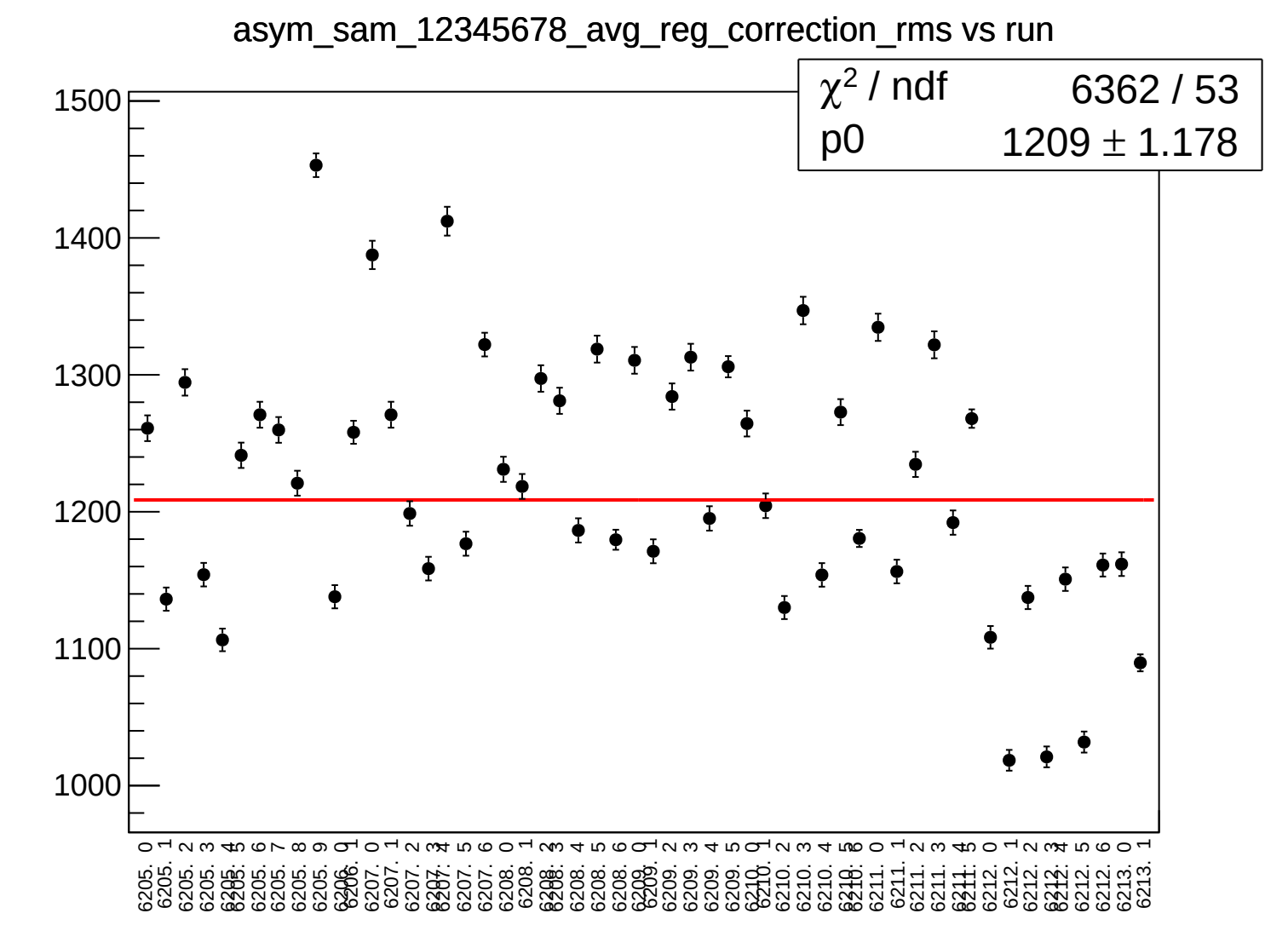

asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.453e+05 / 53
p0 2.176e−11 ± 2.575e−14
0.12
0.1
0.08
0.06
0.04
0.02
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

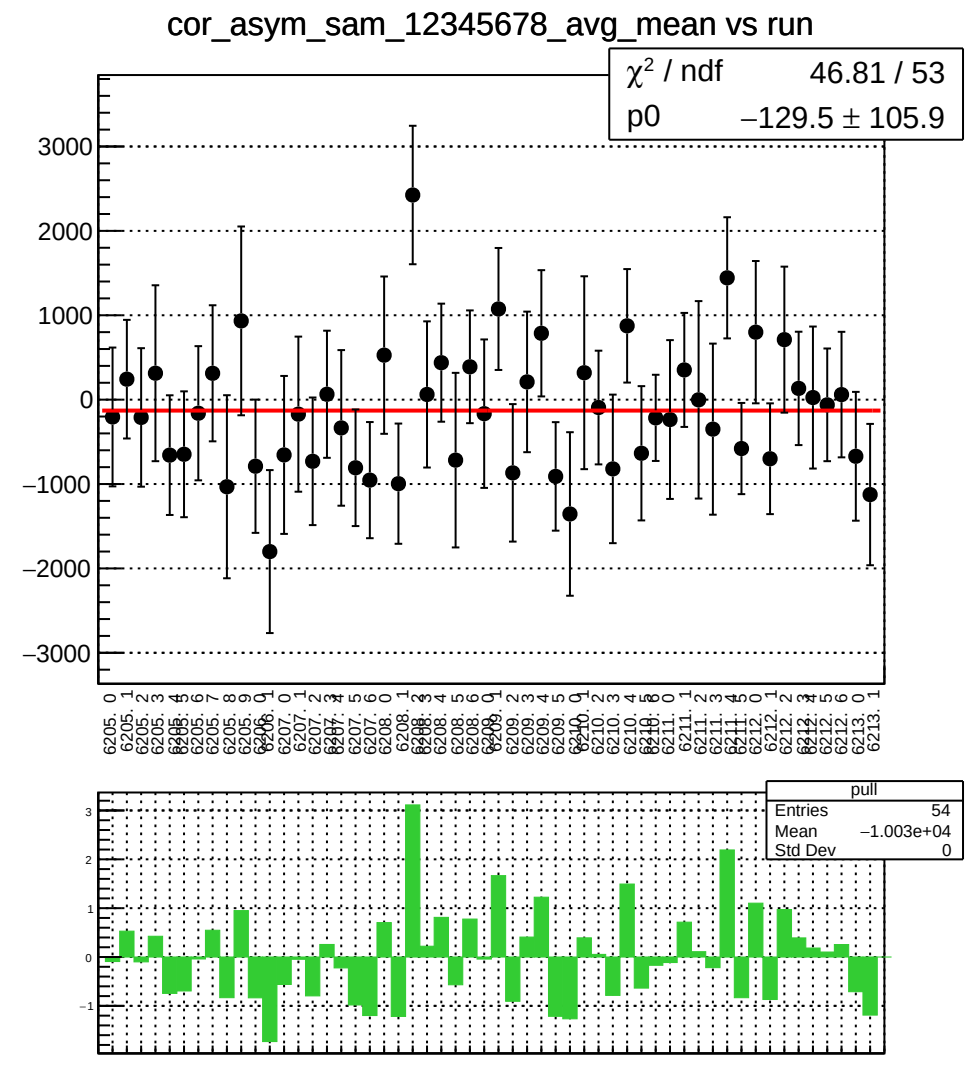

reg_asym_sam_12345678_avg_mean vs run
χ² / ndf 46.81 / 53
p0 −129.5 ± 105.9
pull
Entries 54
Mean −9997
Std Dev 0
pull1D
Entries 54
Mean −0.0001464
Std Dev 0.931

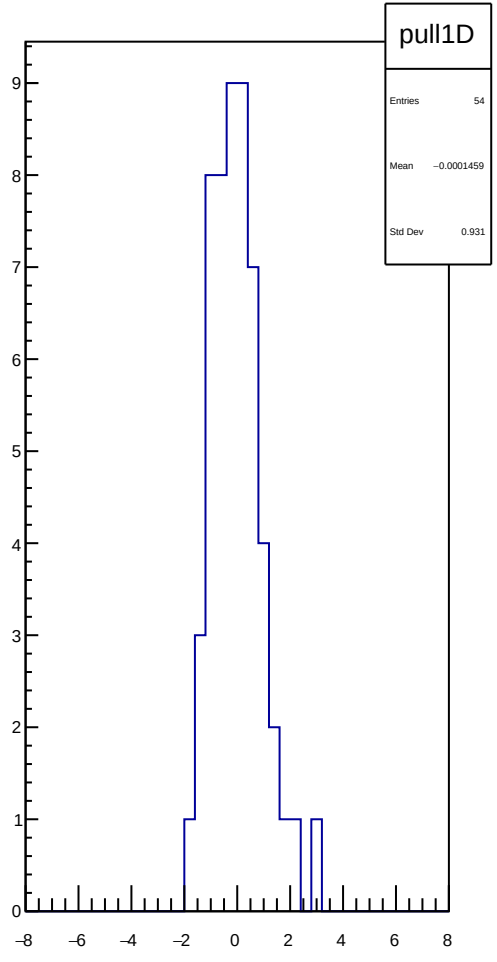

reg_asym_sam_12345678_avg_rms vs run
χ² / ndf 2.659e+04 / 53
p0 76.13 ± 0.07491
140
130
120
110
100
90
80
70
60
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

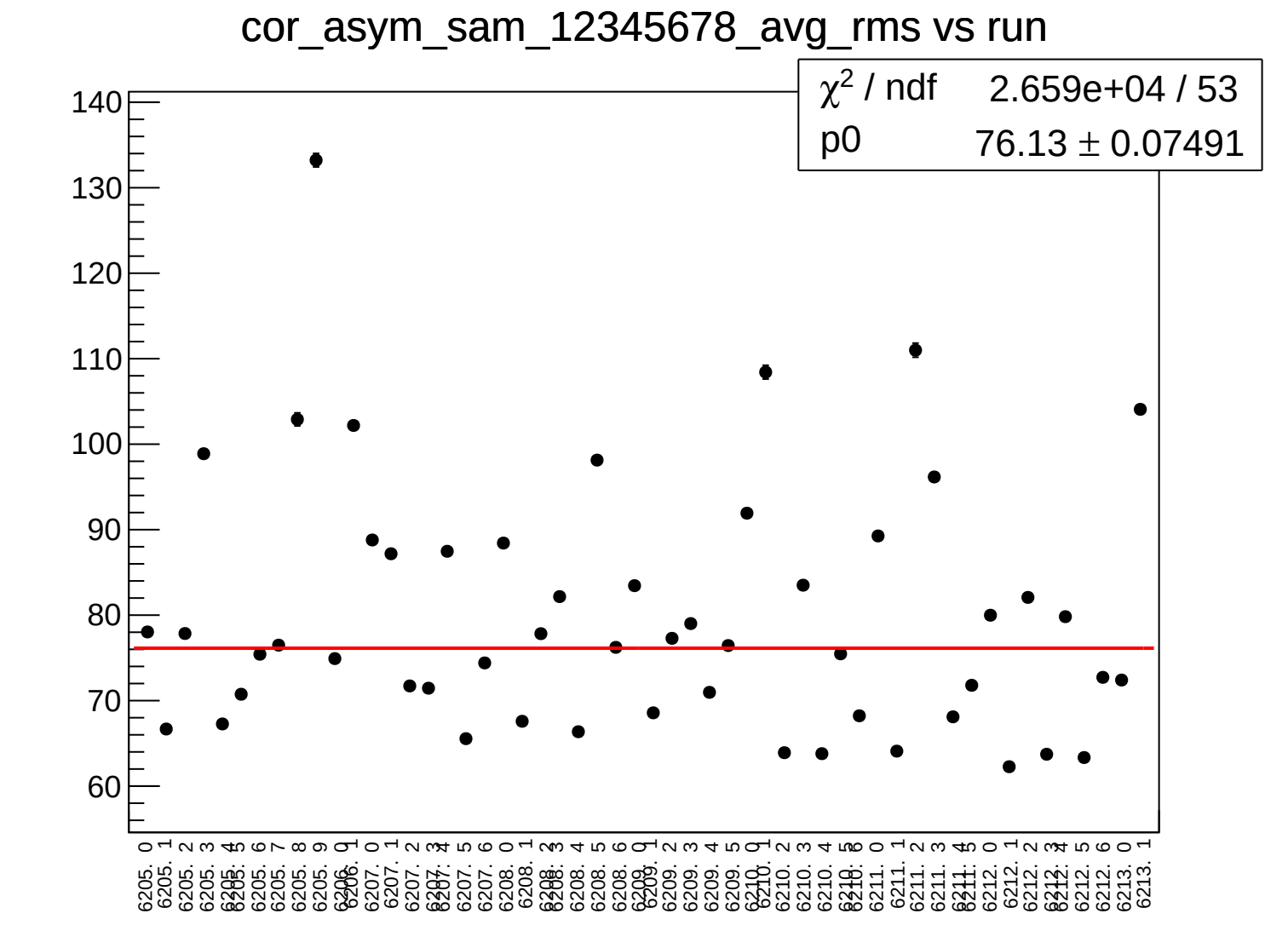

asym_sam_12345678_avg_reg_correction_mean vs run
χ² / ndf 42.7 / 53
p0 1257 ± 1666
pull
Entries 54
Mean 1.973
Std Dev 0

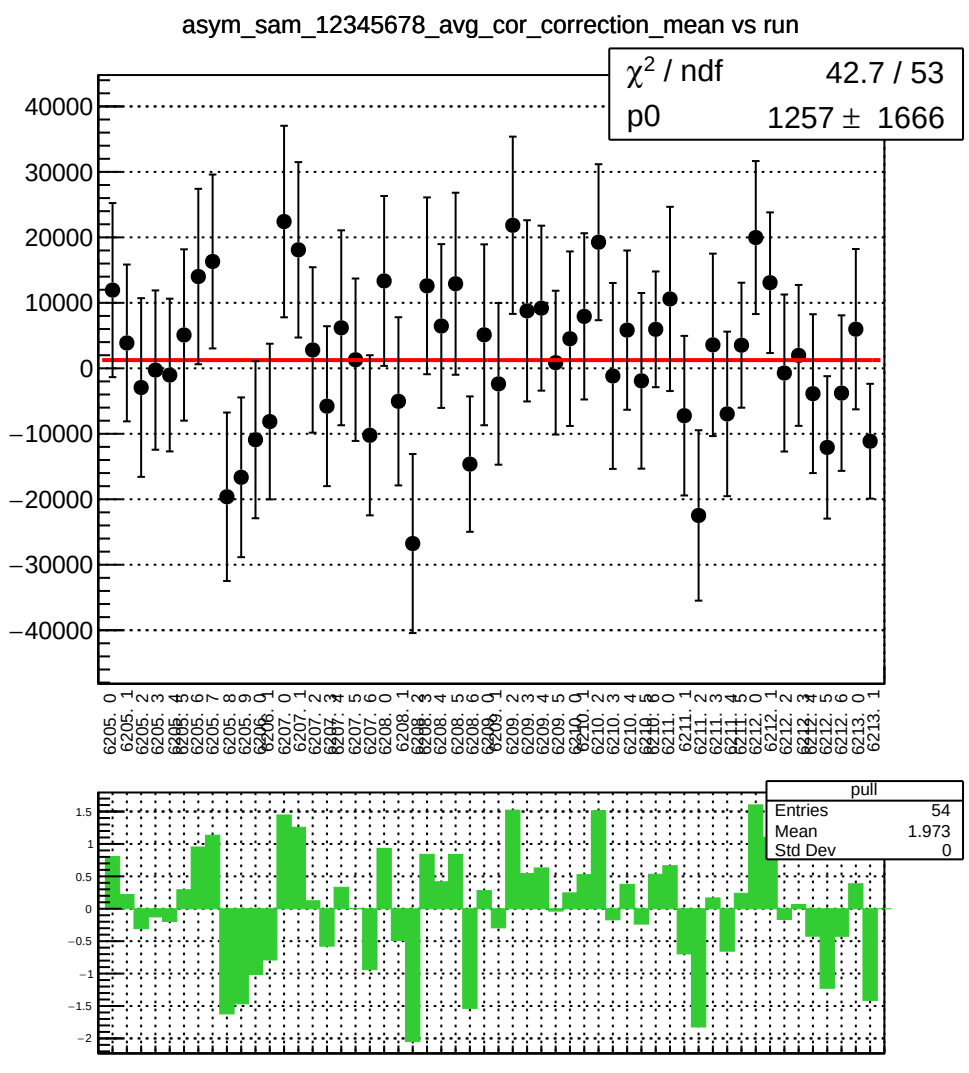

pull1D
Entries 54
Mean 0.02423
Std Dev 0.8889

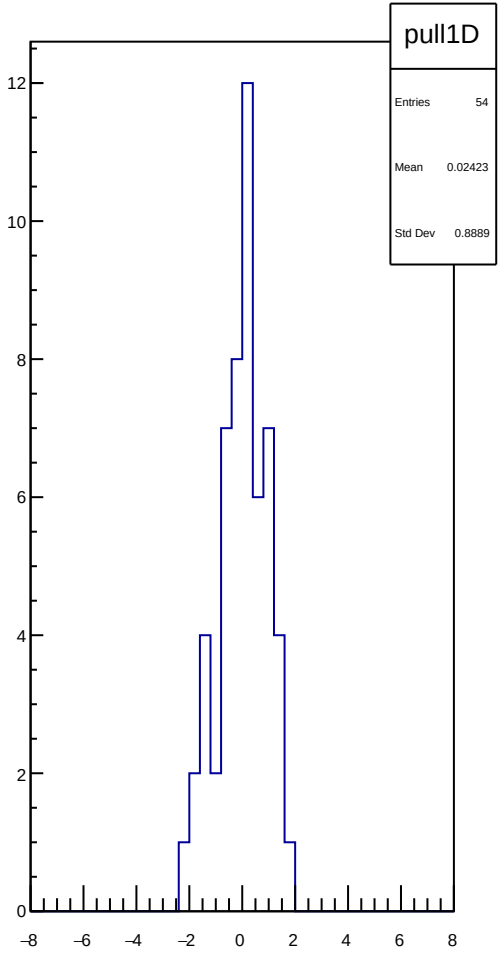

asym_sam_12345678_avg_reg_correction_rms vs run
χ² / ndf 6362 / 53
p0 1209 ± 1.178
1500
1400
1300
1200
1100
1000
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

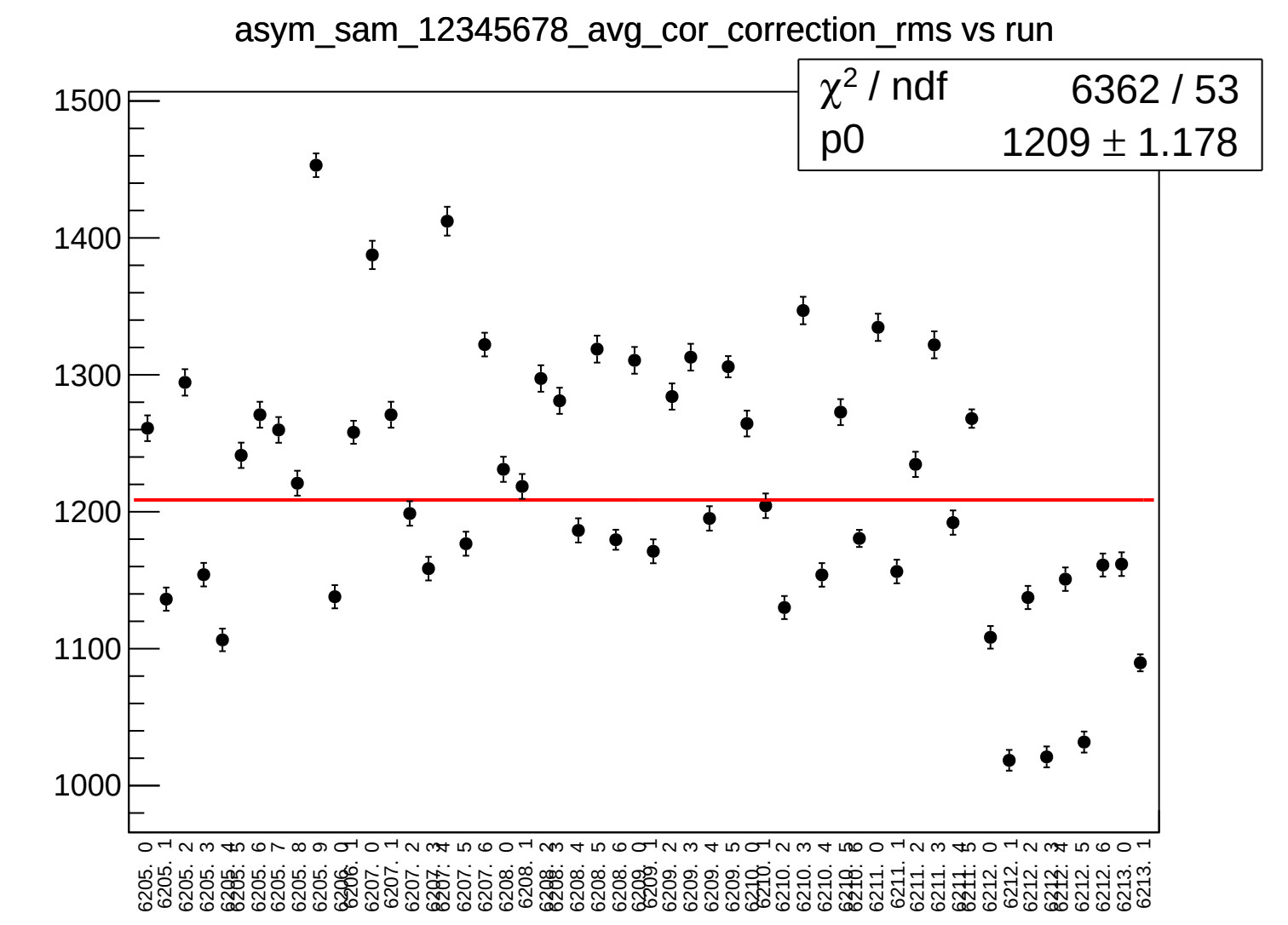

cor_asym_sam_12345678_avg_mean vs run
χ² / ndf 46.81 / 53
p0 −129.5 ± 105.9
pull
Entries 54
Mean −1.003e+04
Std Dev 0

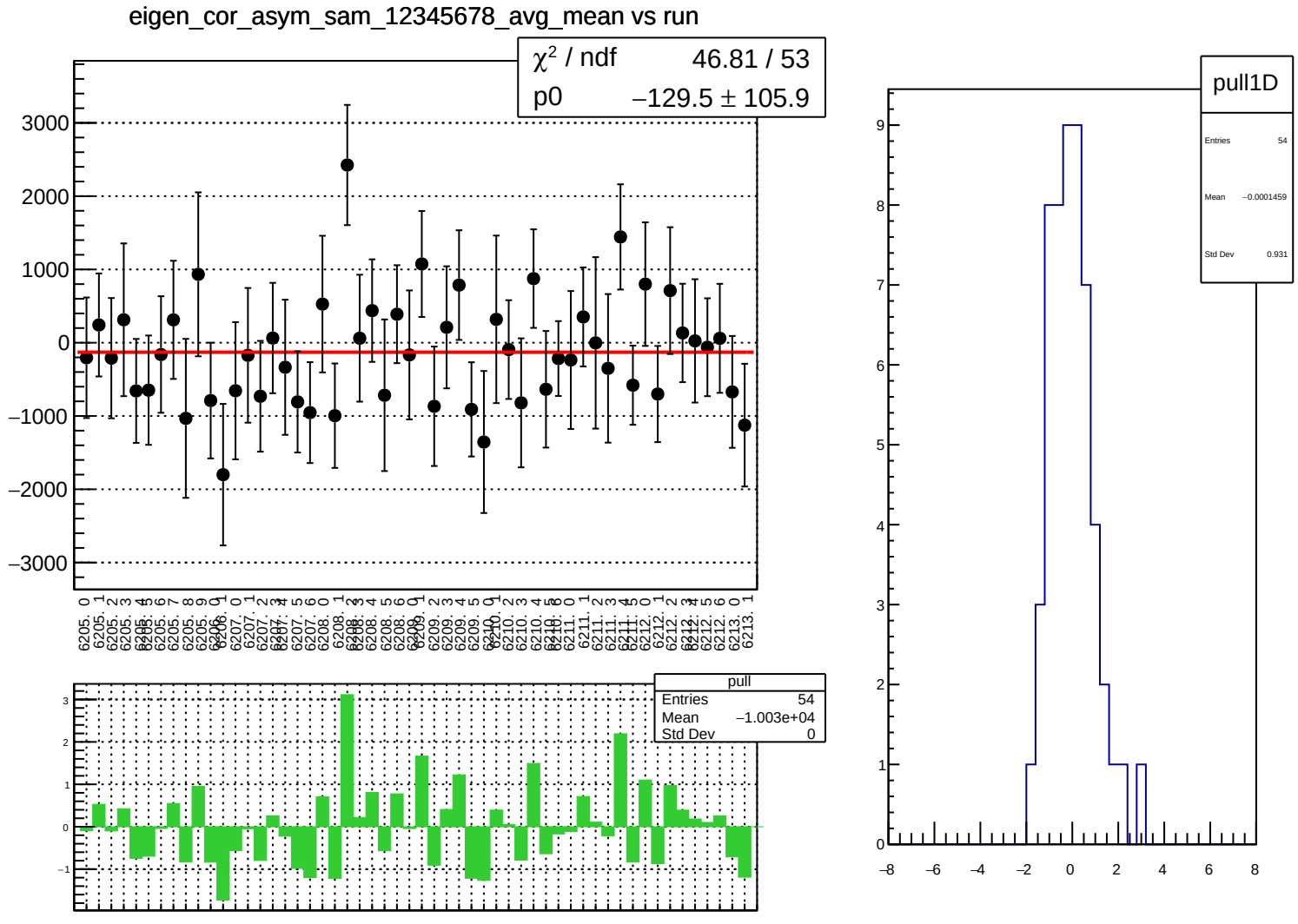

pull1D
Entries 54
Mean −0.0001459
Std Dev 0.931

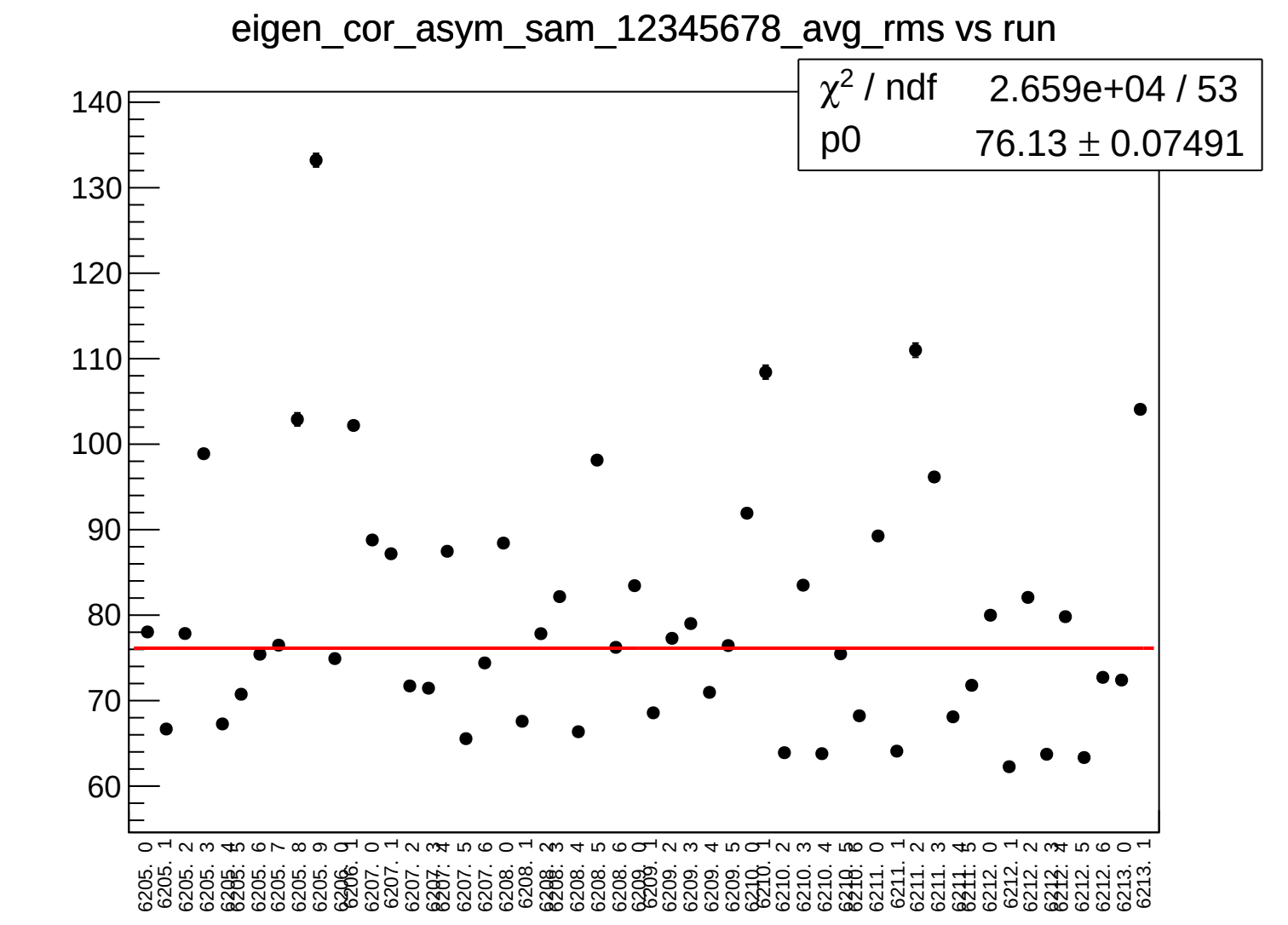

cor_asym_sam_12345678_avg_rms vs run
χ² / ndf 2.659e+04 / 53
p0 76.13 ± 0.07491
140
130
120
110
100
90
80
70
60
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1


asym_sam_12345678_avg_cor_correction_mean vs run
χ² / ndf 42.7 / 53
p0 1257 ± 1666
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 54
Mean 1.973
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

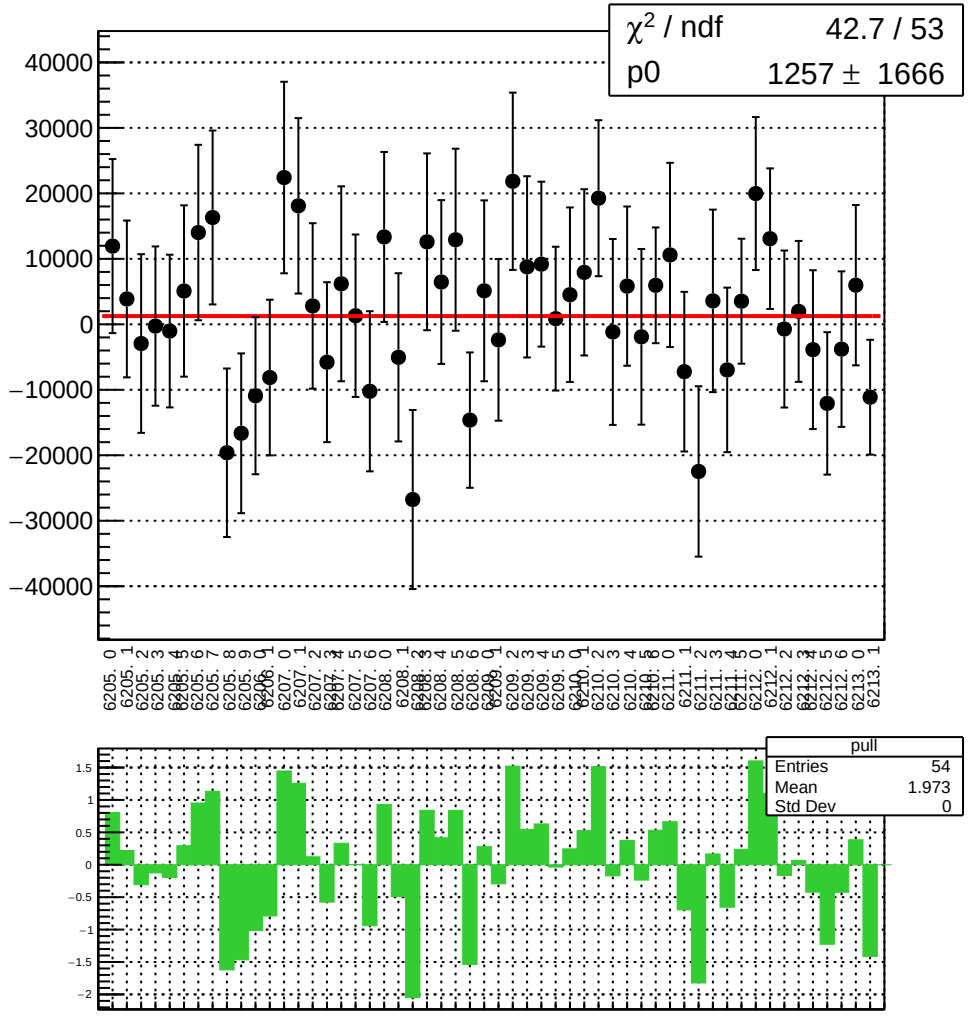

pull1D
Entries 54
Mean 0.02423
Std Dev 0.8889
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

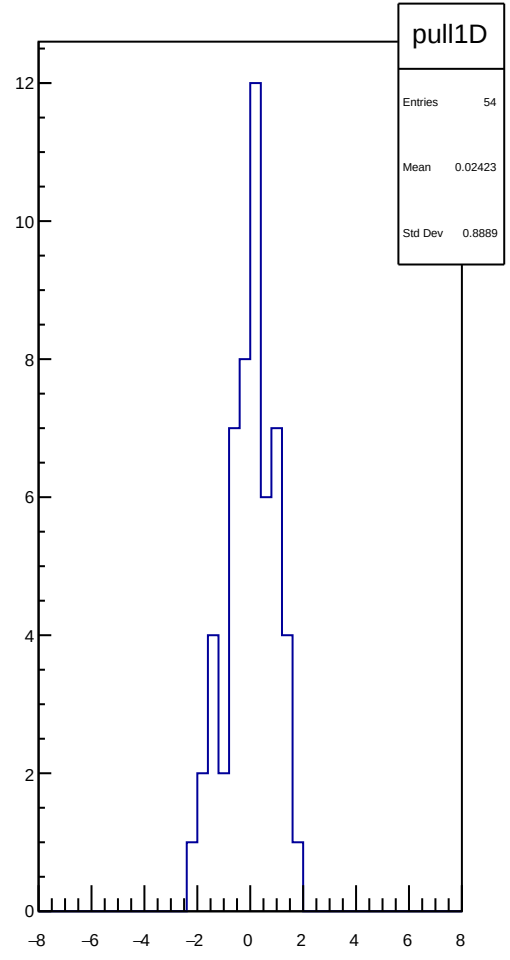

asym_sam_12345678_avg_cor_correction_rms vs run
χ² / ndf 6362 / 53
p0 1209 ± 1.178
1500
1400
1300
1200
1100
1000
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

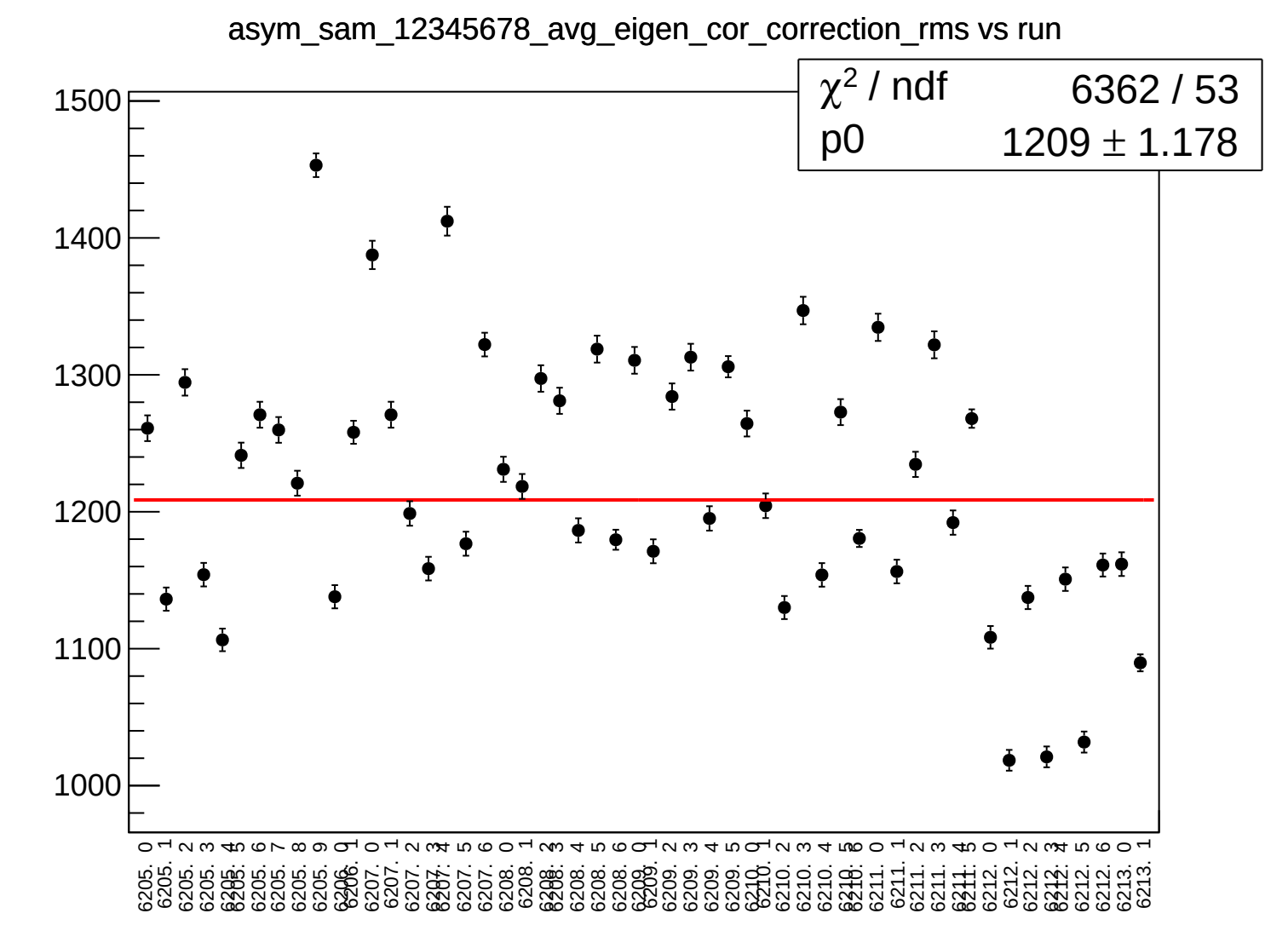

eigen_cor_asym_sam_12345678_avg_mean vs run
χ² / ndf 46.81 / 53
p0 −129.5 ± 105.9
pull
Entries 54
Mean −1.003e+04
Std Dev 0
pull1D
Entries 54
Mean −0.0001459
Std Dev 0.931

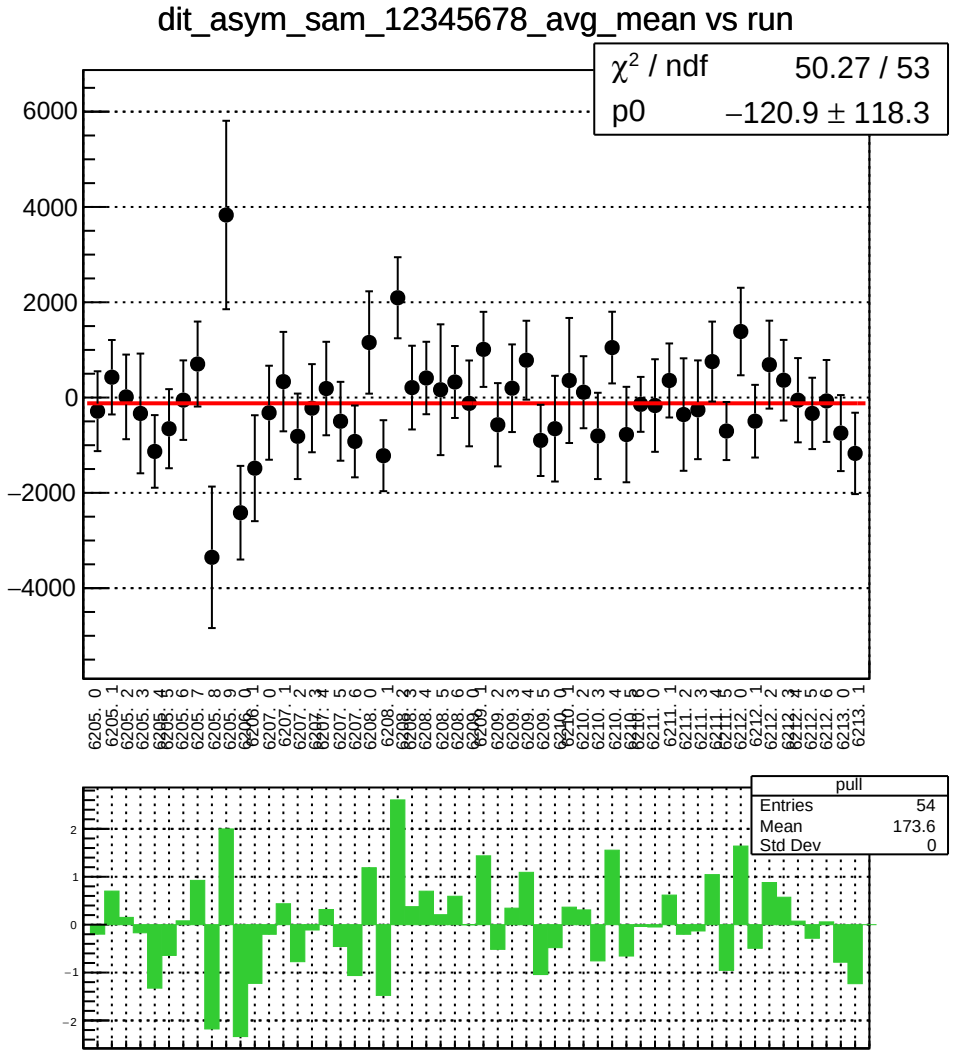

eigen_cor_asym_sam_12345678_avg_rms vs run
χ^2 / ndf 2.659e+04 / 53
p0 76.13 ± 0.07491
140
130
120
110
100
90
80
70
60
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

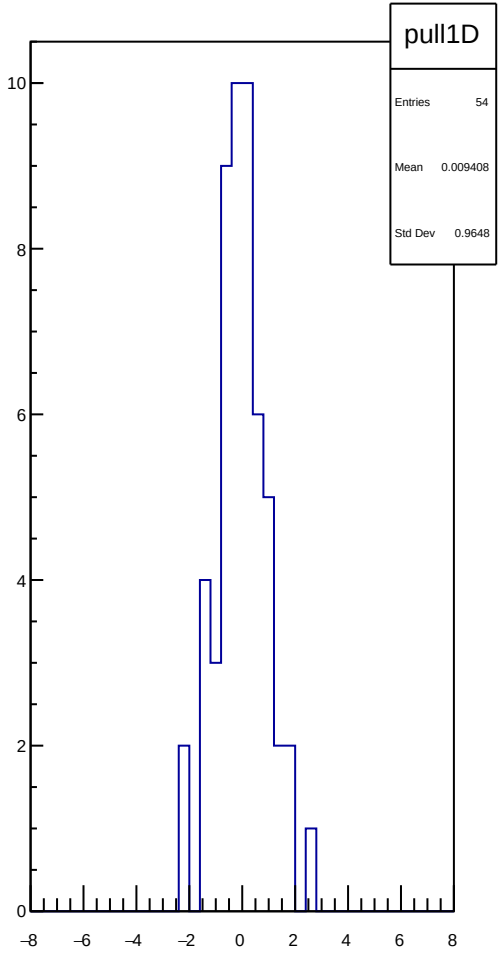
asym_sam_12345678_avg_eigen_cor_correction_mean vs run

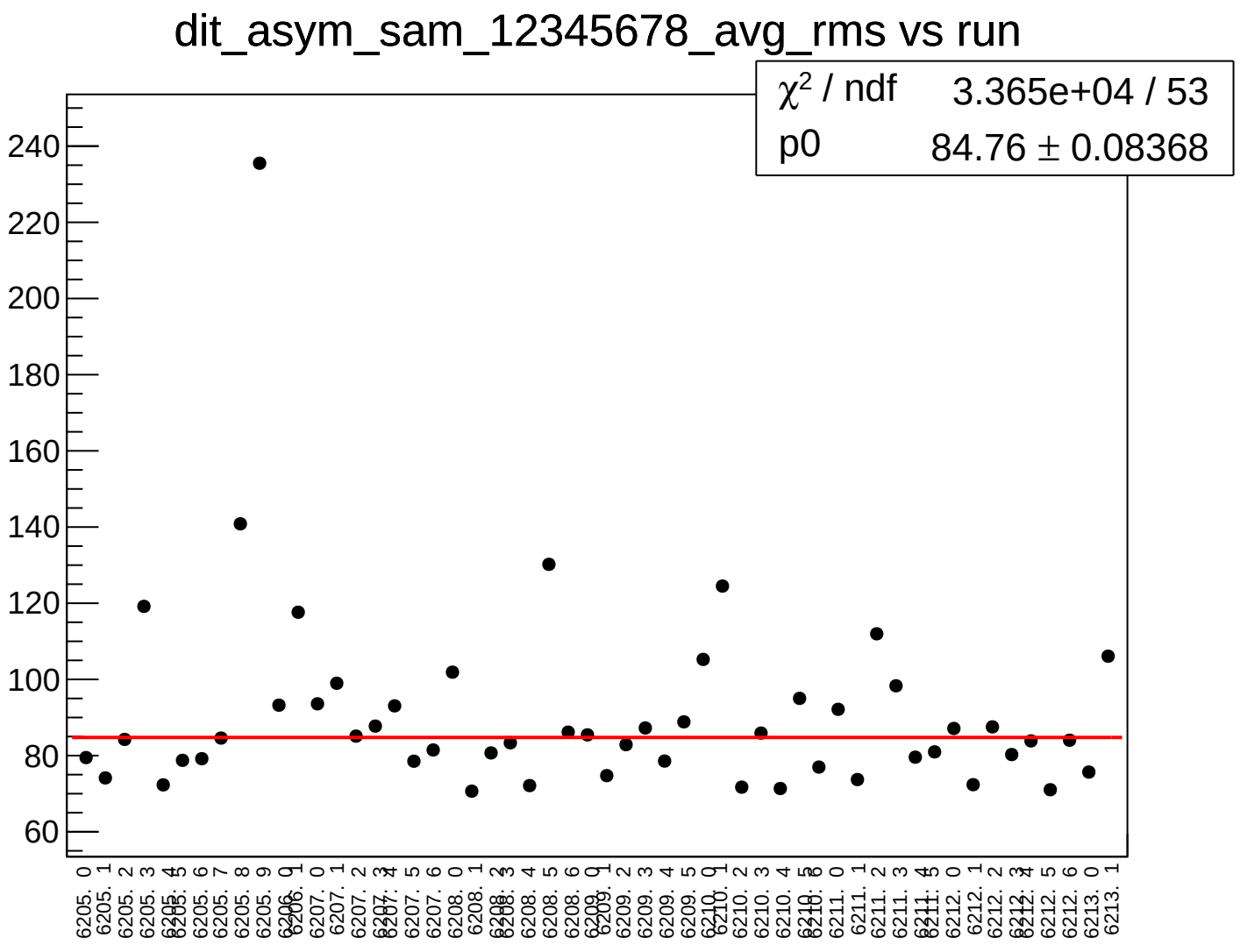





asym_sam_12345678_avg_eigen_cor_correction_rms vs run
χ² / ndf 6362 / 53
p0 1209 ± 1.178
1500
1400
1300
1200
1100
1000
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1


dit_asym_sam_12345678_avg_mean vs run
χ² / ndf 50.27 / 53
p0 −120.9 ± 118.3
pull
Entries 54
Mean 173.6
Std Dev 0


pull1D
Entries 54
Mean 0.009408
Std Dev 0.9648


dit_asym_sam_12345678_avg_rms vs run
χ² / ndf 3.365e+04 / 53
p0 84.76 ± 0.08368
240
220
200
180
160
140
120
100
80
60
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6208. 7
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
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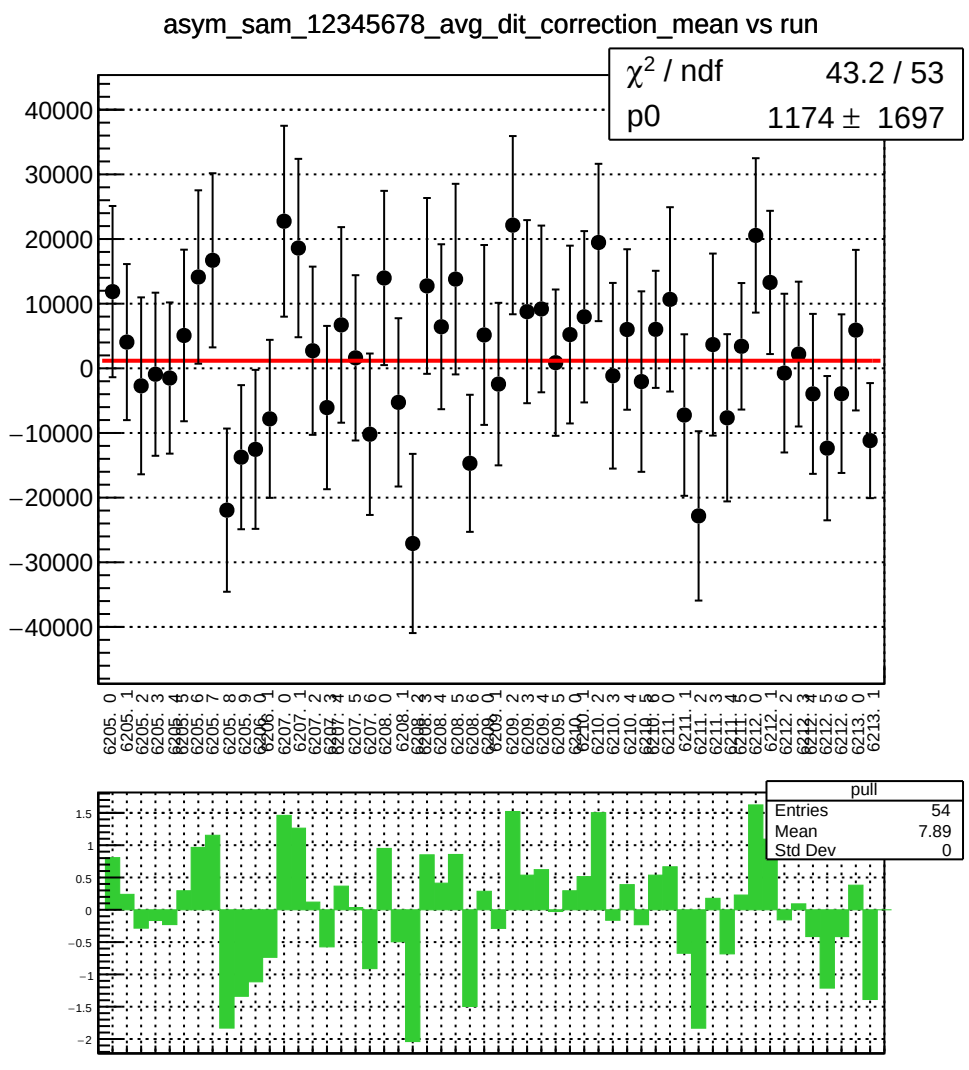
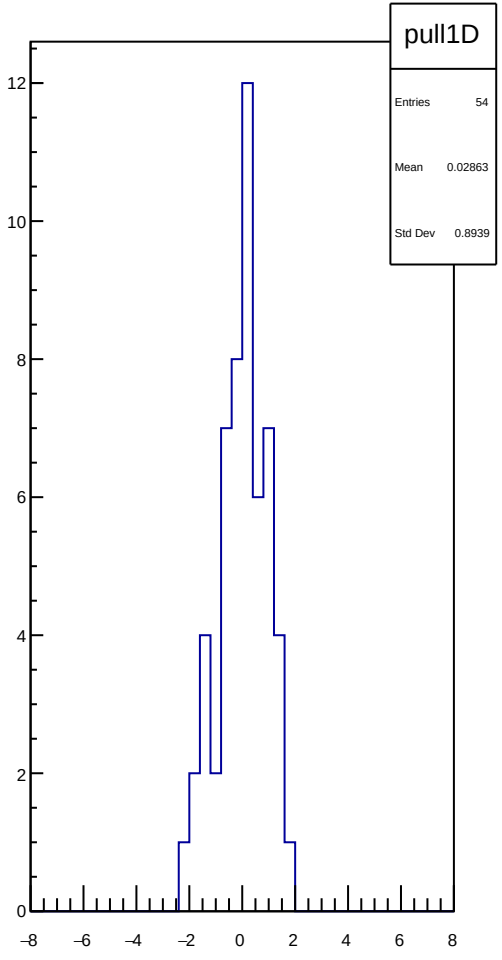
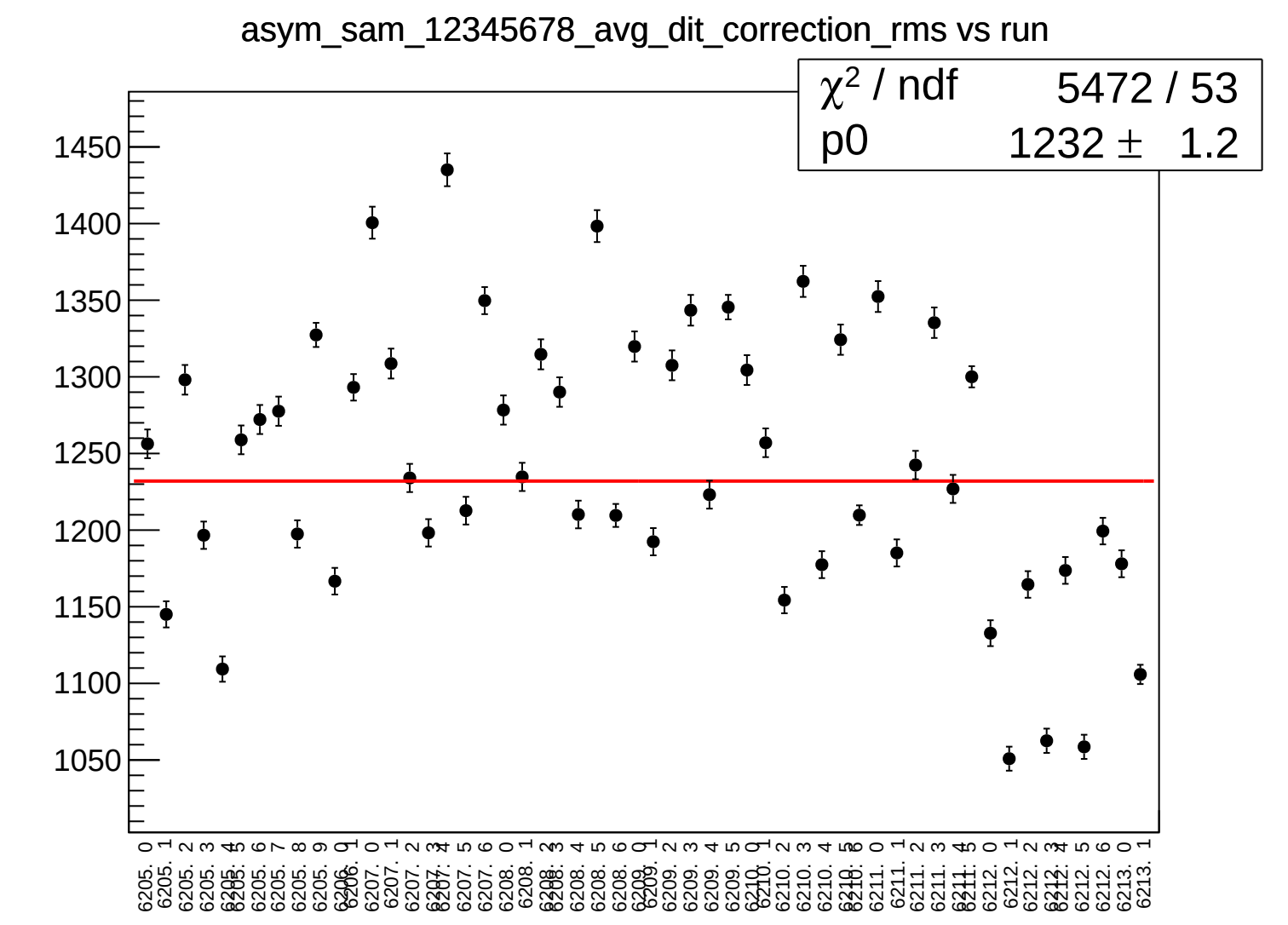
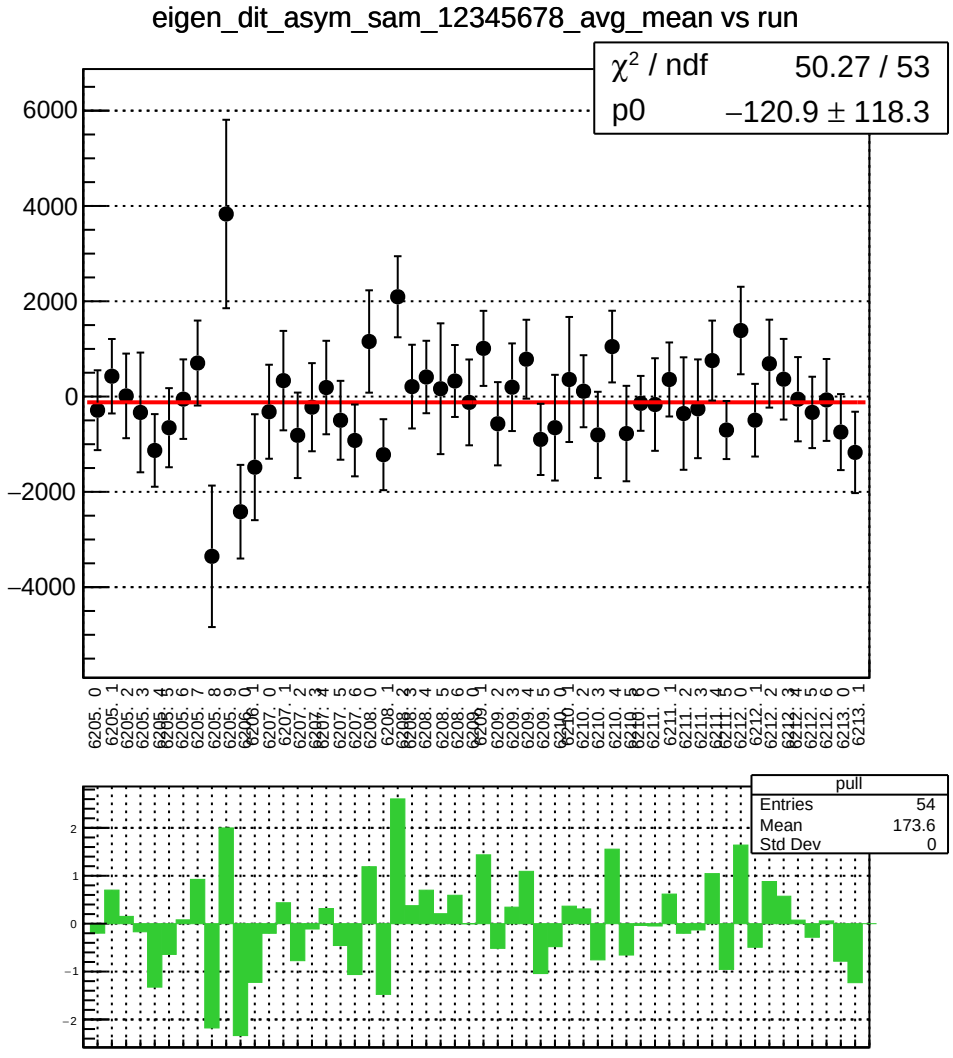
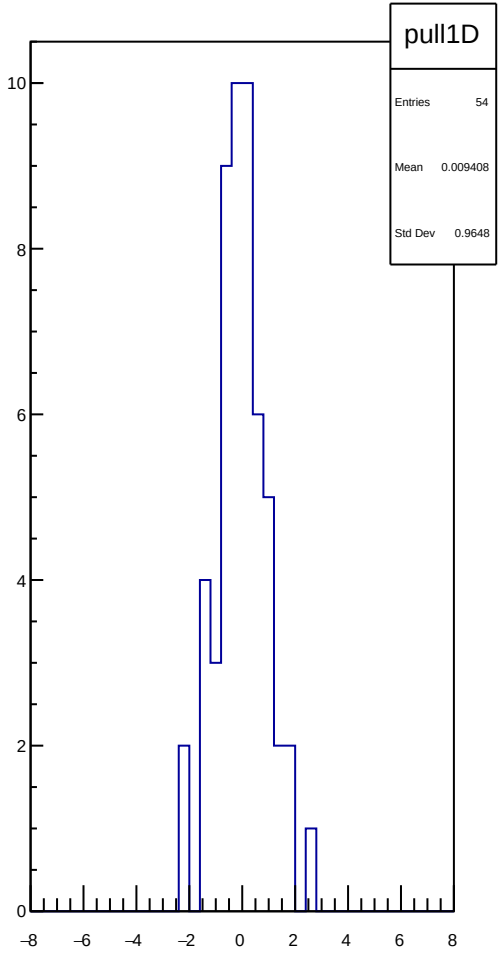
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

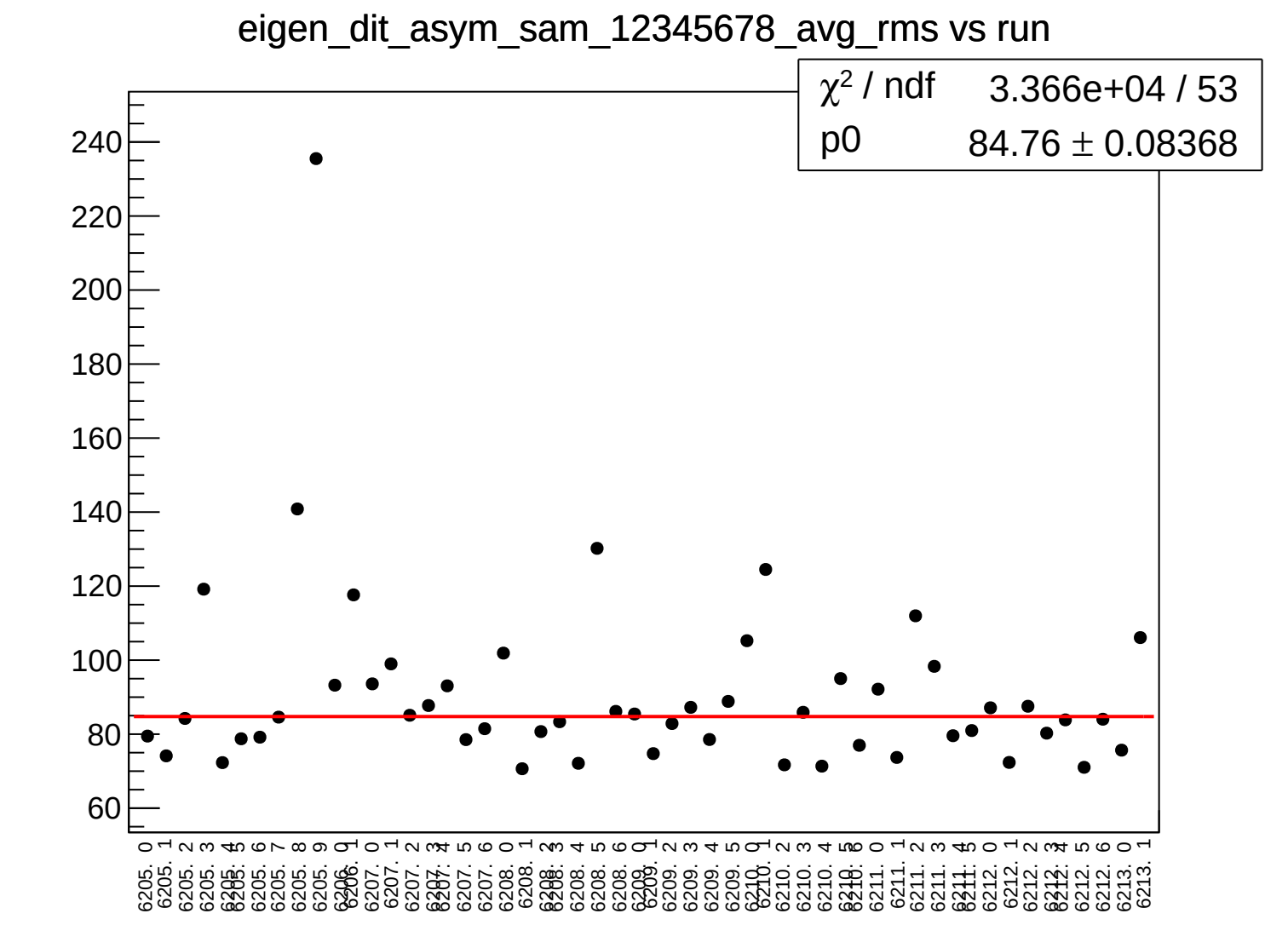

asym_sam_12345678_avg_dit_correction_mean vs run
χ² / ndf 43.2 / 53
p0 1174 ± 1697
pull
Entries 54
Mean 7.89
Std Dev 0

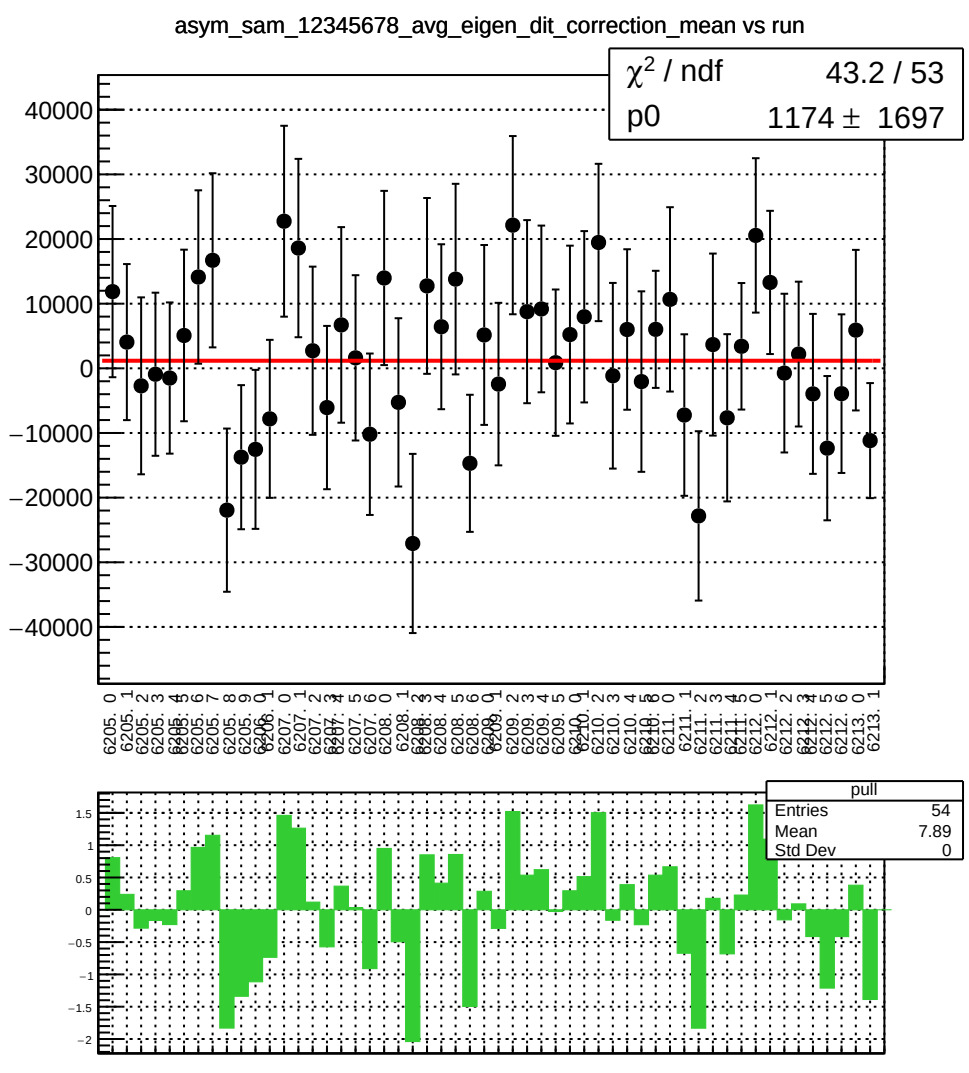

pull1D
Entries 54
Mean 0.02863
Std Dev 0.8939

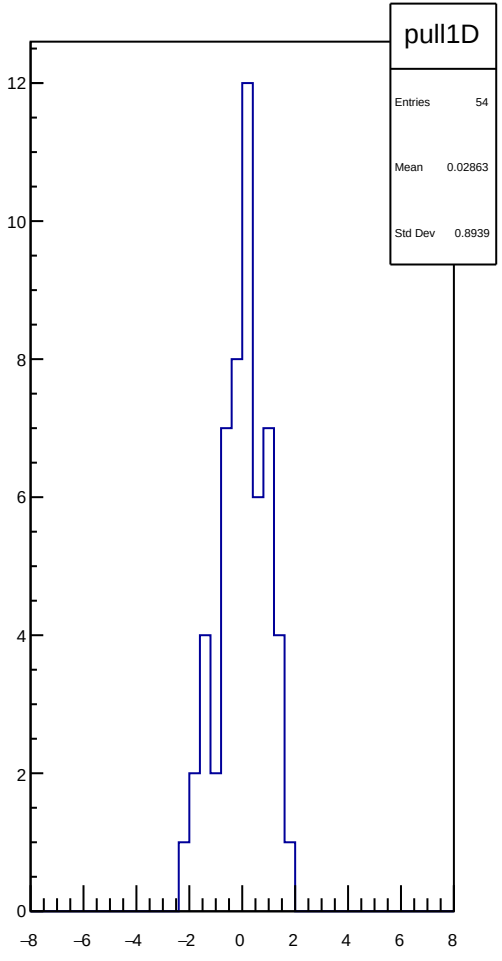

asym_sam_12345678_avg_dit_correction_rms vs run
χ² / ndf 5472 / 53
p0 1232 ± 1.2
1450
1400
1350
1300
1250
1200
1150
1100
1050
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

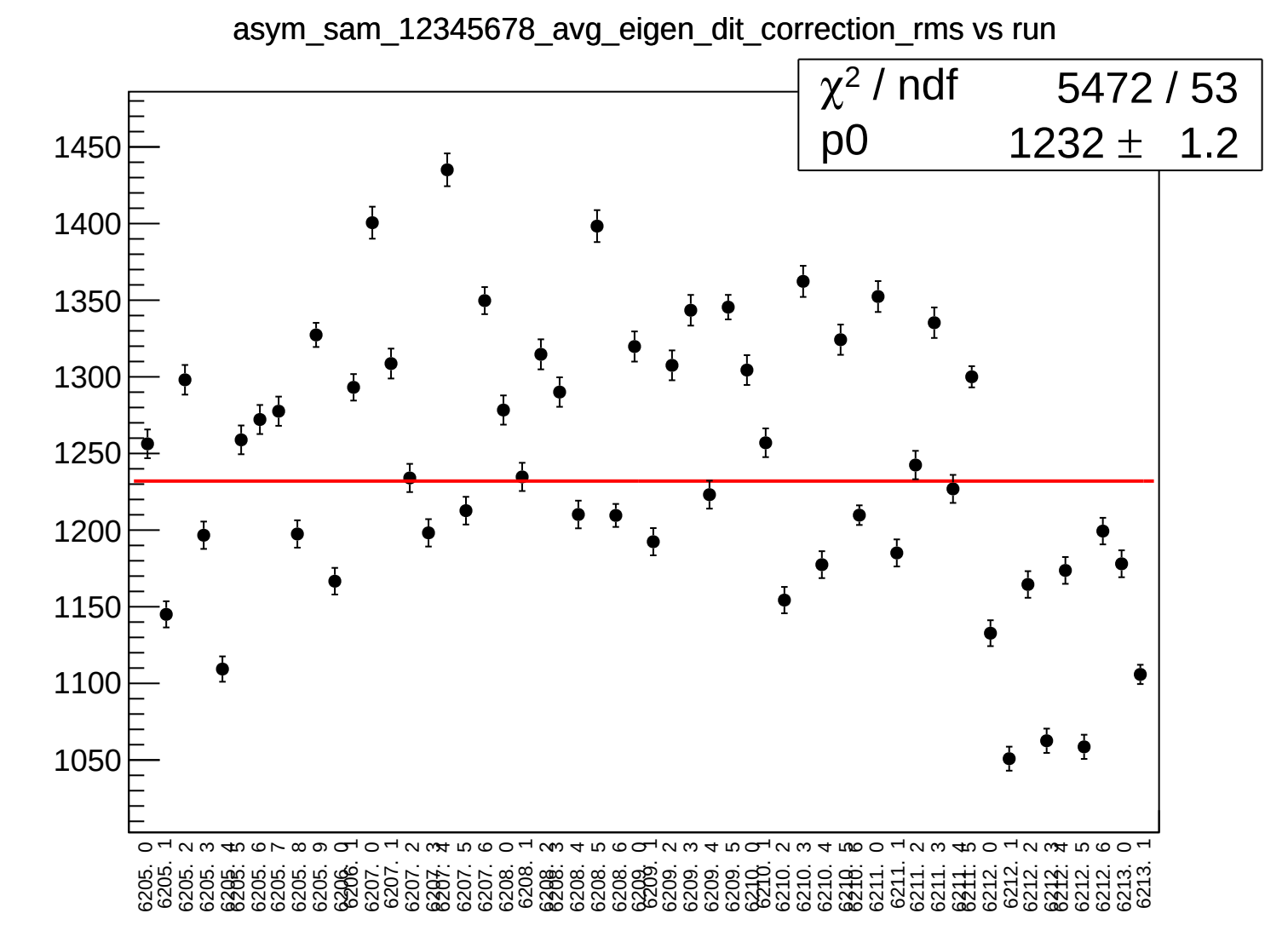

eigen_dit_asym_sam_12345678_avg_mean vs run
χ² / ndf 50.27 / 53
p0 −120.9 ± 118.3
6000
4000
2000
0
−2000
−4000
pull
Entries 54
Mean 173.6
Std Dev 0
2
1
0
−1
−2

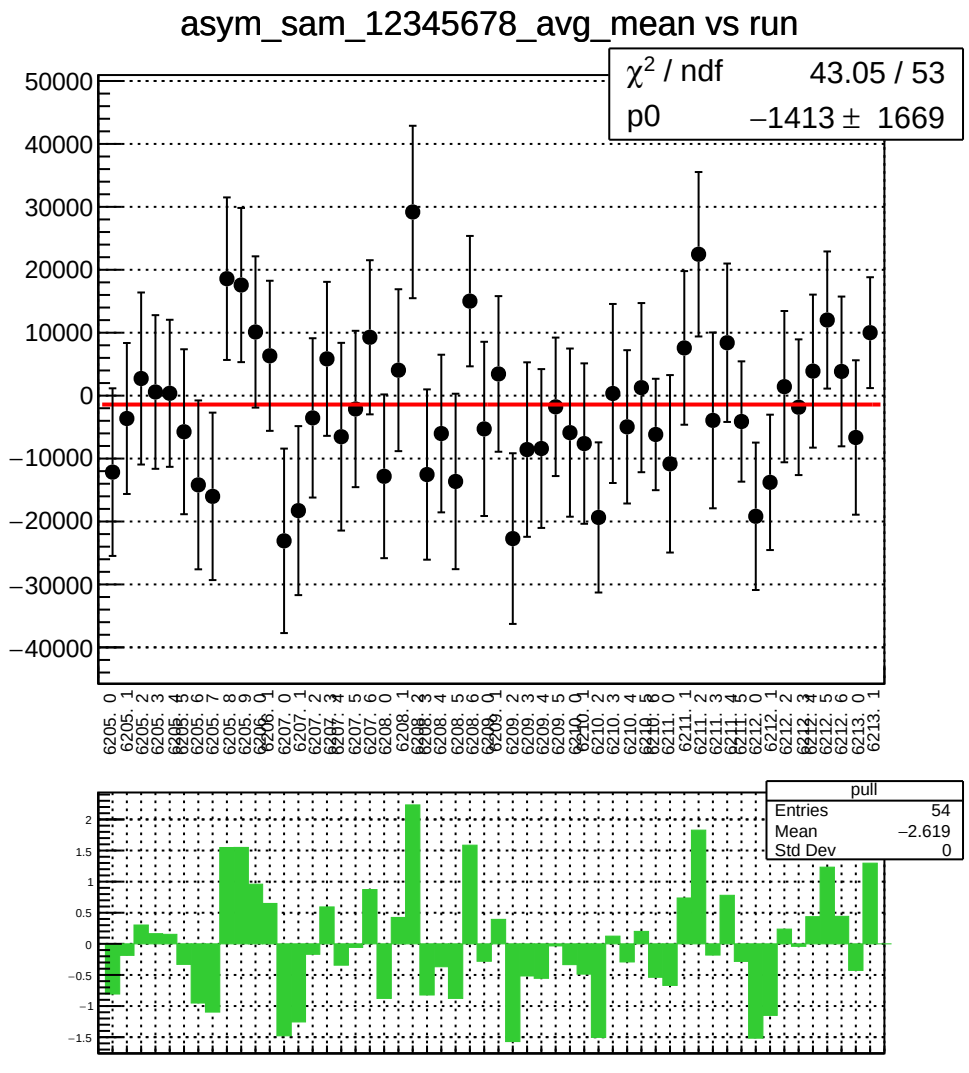

pull1D
Entries 54
Mean 0.009408
Std Dev 0.9648
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

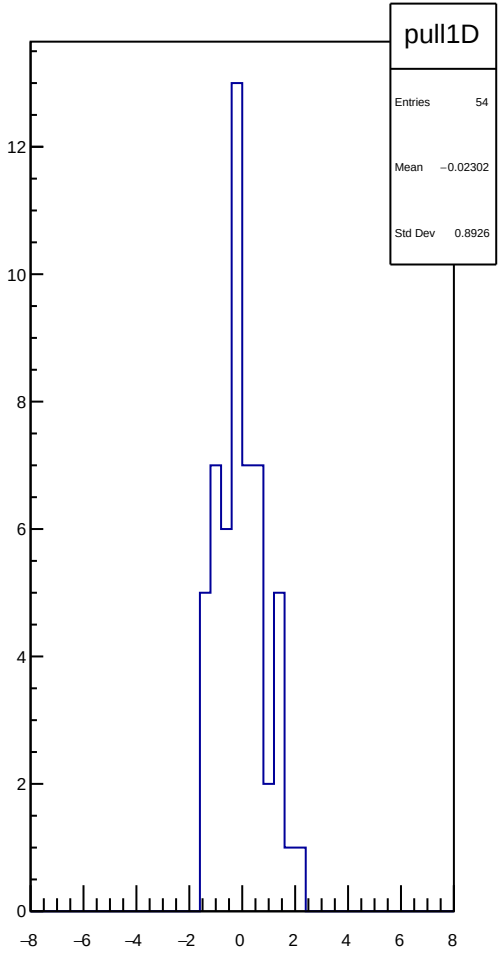

eigen_dit_asym_sam_12345678_avg_rms vs run
χ² / ndf 3.366e+04 / 53
p0 84.76 ± 0.08368
240
220
200
180
160
140
120
100
80
60
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6208. 7
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

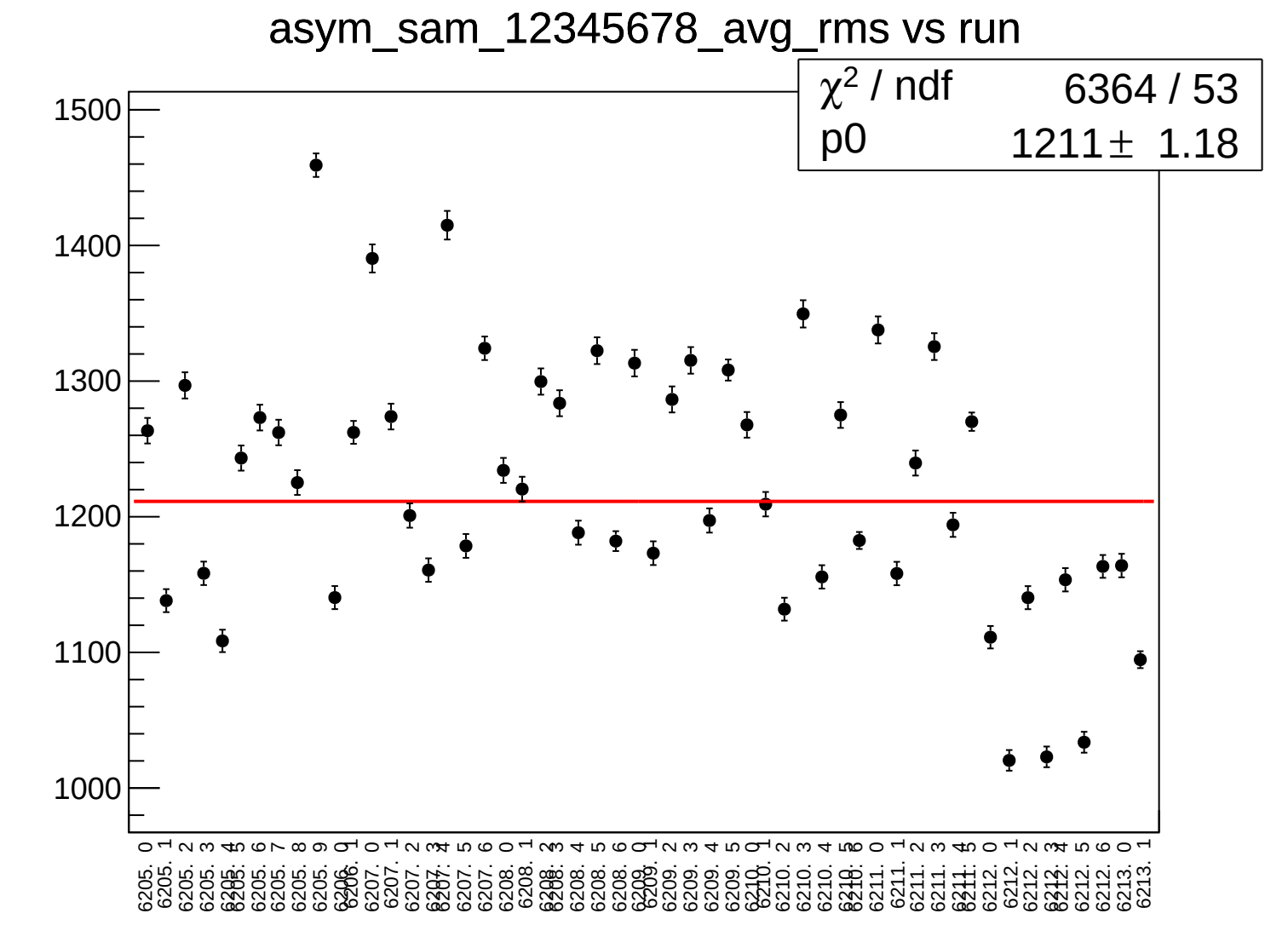

asym_sam_12345678_avg_eigen_dit_correction_mean vs run
χ² / ndf 43.2 / 53
p0 1174 ± 1697
pull
Entries 54
Mean 7.89
Std Dev 0

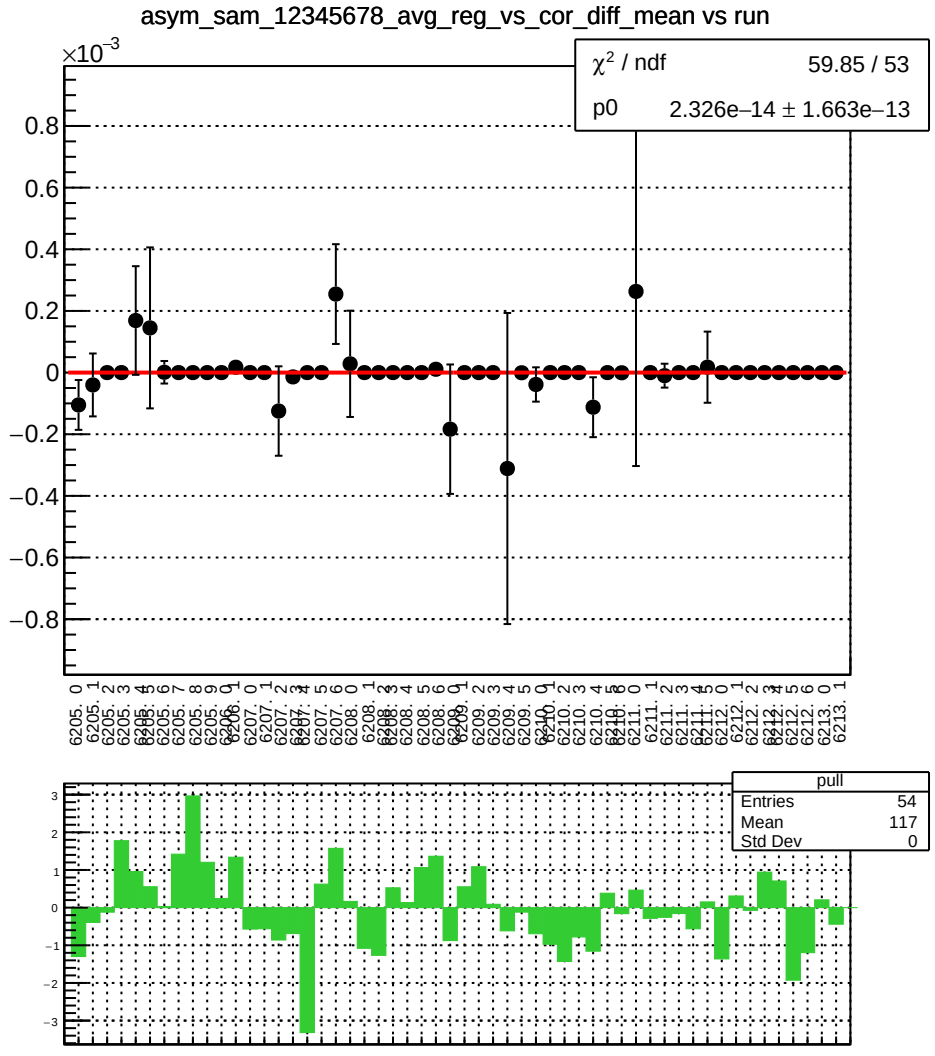

pull1D
Entries 54
Mean 0.02863
Std Dev 0.8939

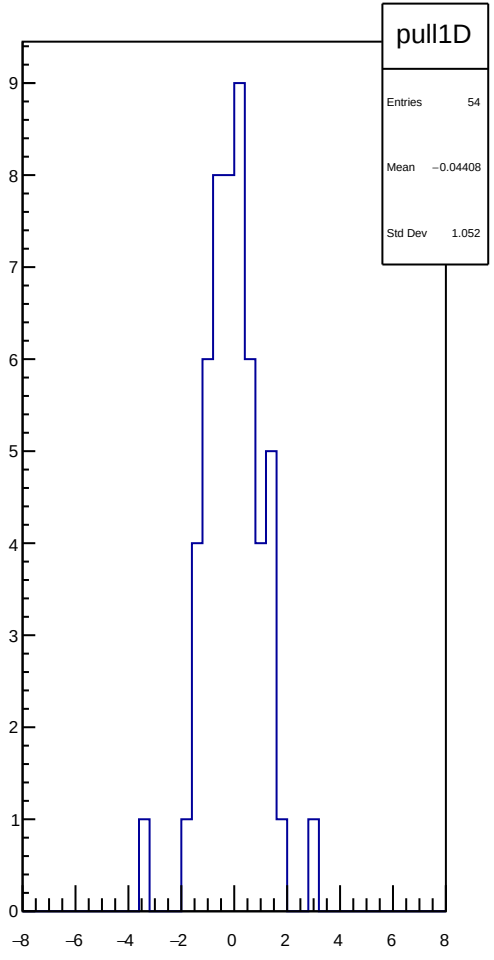

asym_sam_12345678_avg_eigen_dit_correction_rms vs run
χ² / ndf 5472 / 53
p0 1232 ± 1.2
1450
1400
1350
1300
1250
1200
1150
1100
1050
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

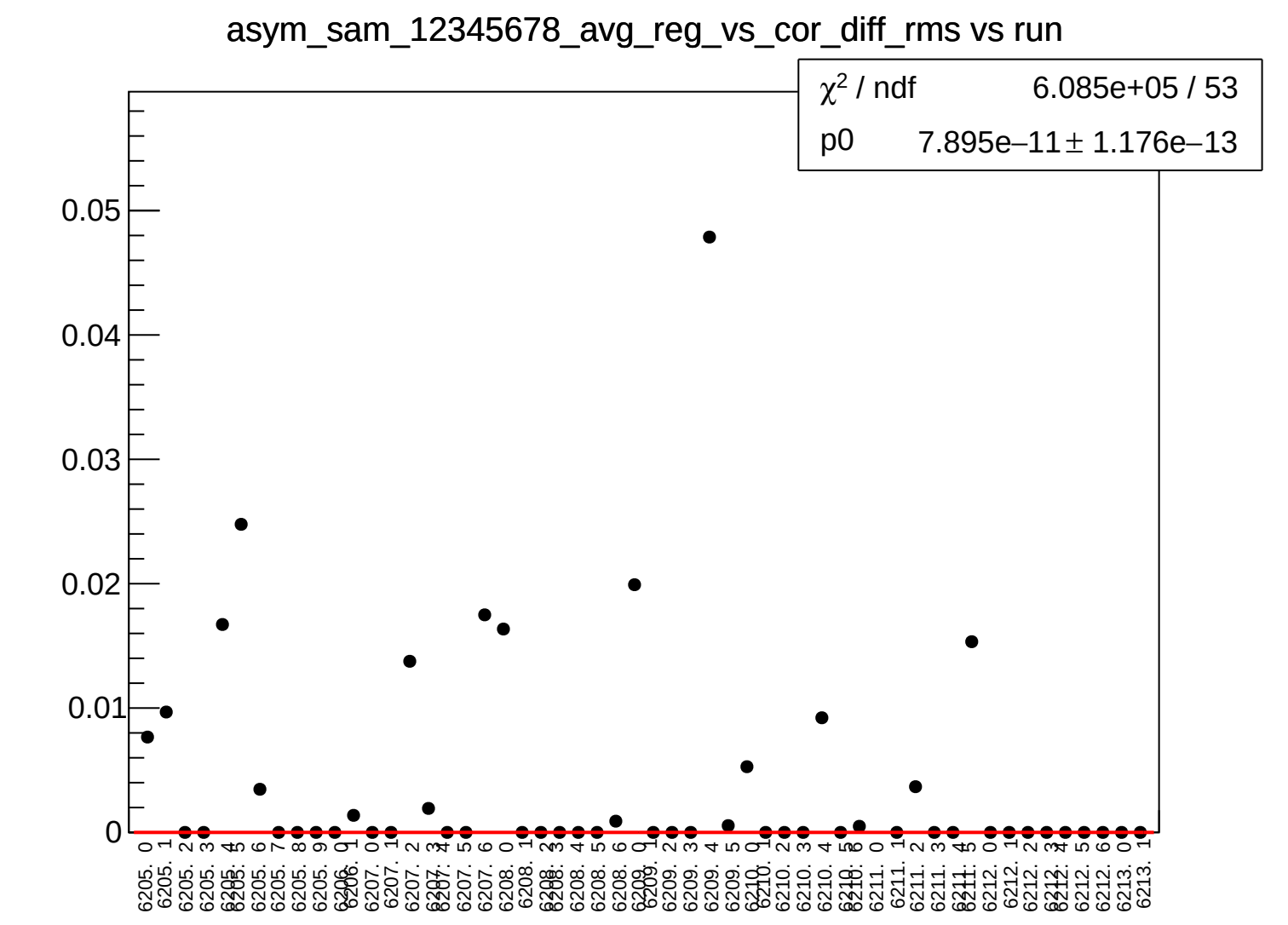

asym_sam_12345678_avg_mean vs run
χ² / ndf 43.05 / 53
p0 −1413 ± 1669
pull
Entries 54
Mean −2.619
Std Dev 0

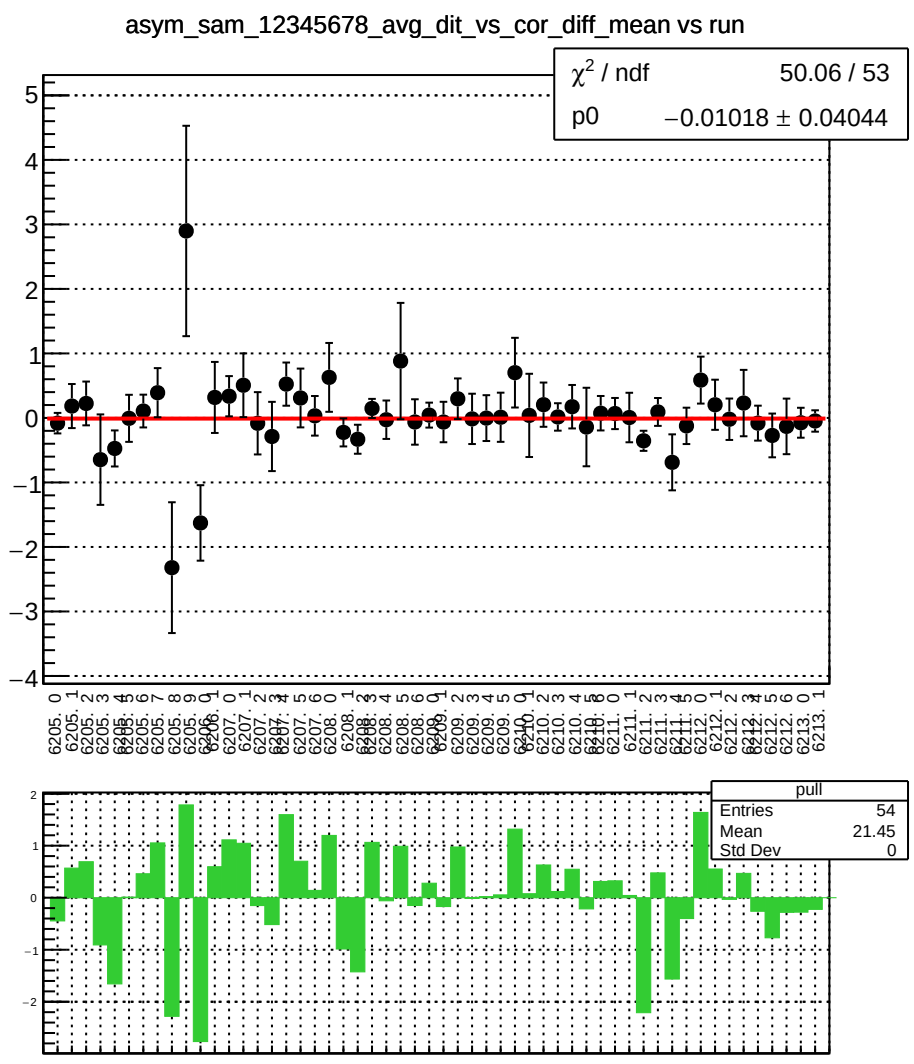

pull1D
Entries 54
Mean −0.02302
Std Dev 0.8926

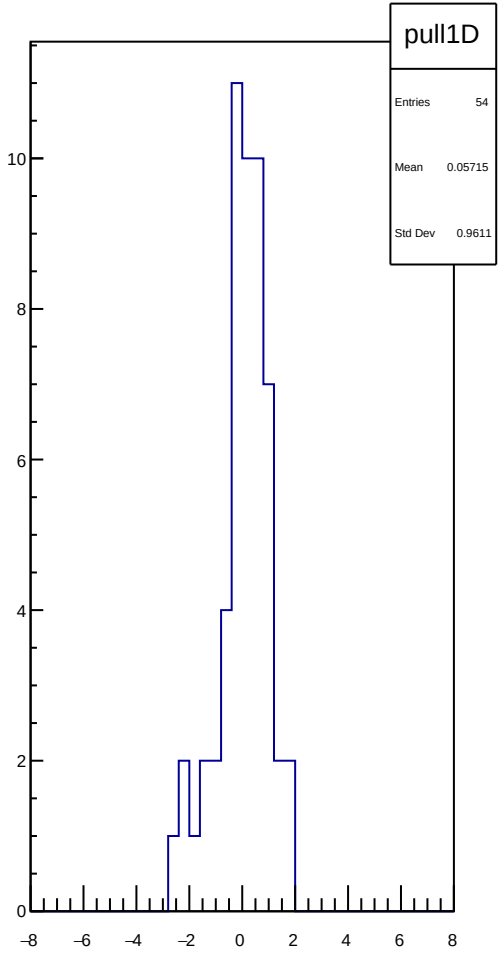

asym_sam_12345678_avg_rms vs run
χ² / ndf 6364 / 53
p0 1211 ± 1.18
1500
1400
1300
1200
1100
1000
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

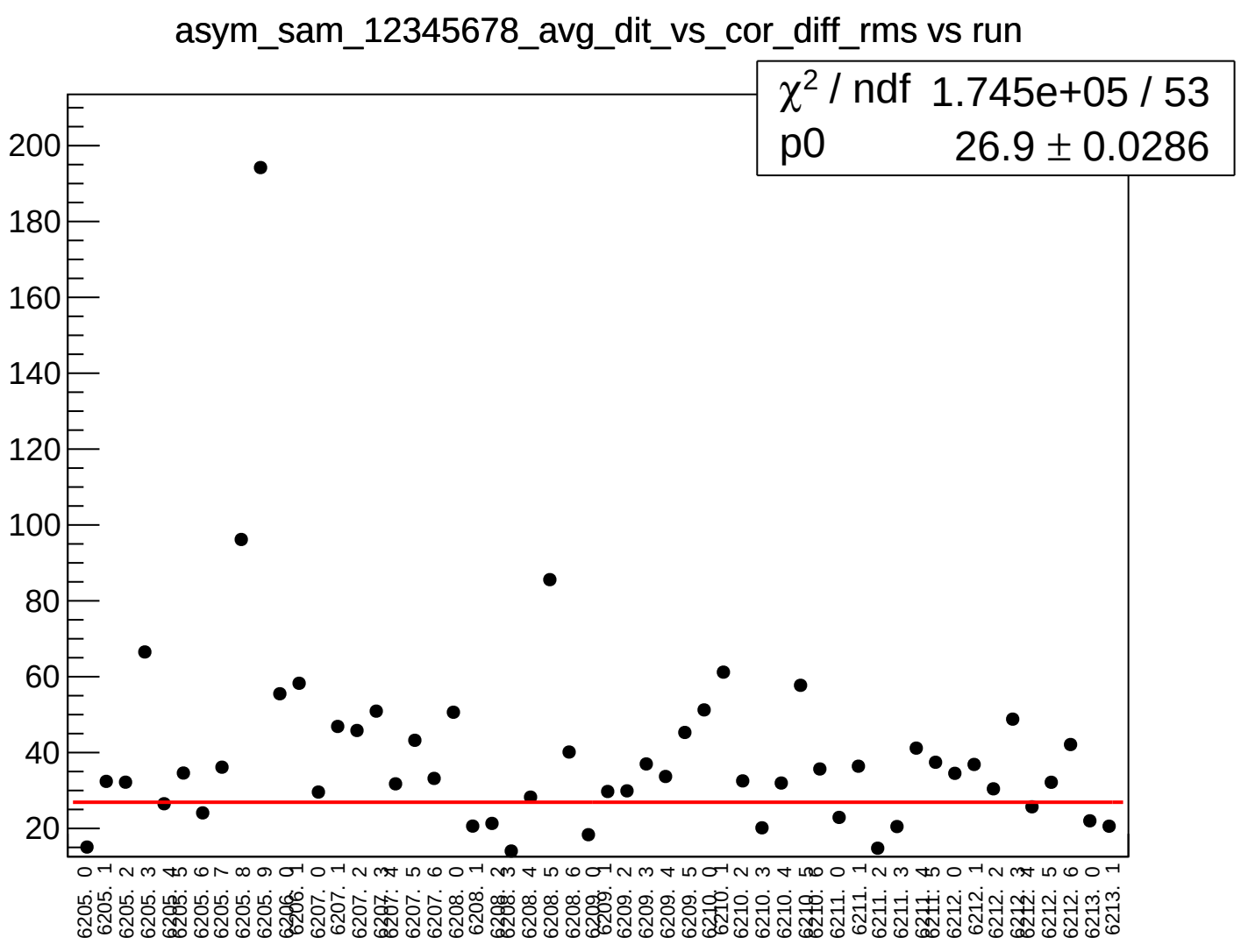

asym_sam_12345678_avg_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 59.85 / 53
p0 2.326e−14 ± 1.663e−13
pull
Entries 54
Mean 117
Std Dev 0

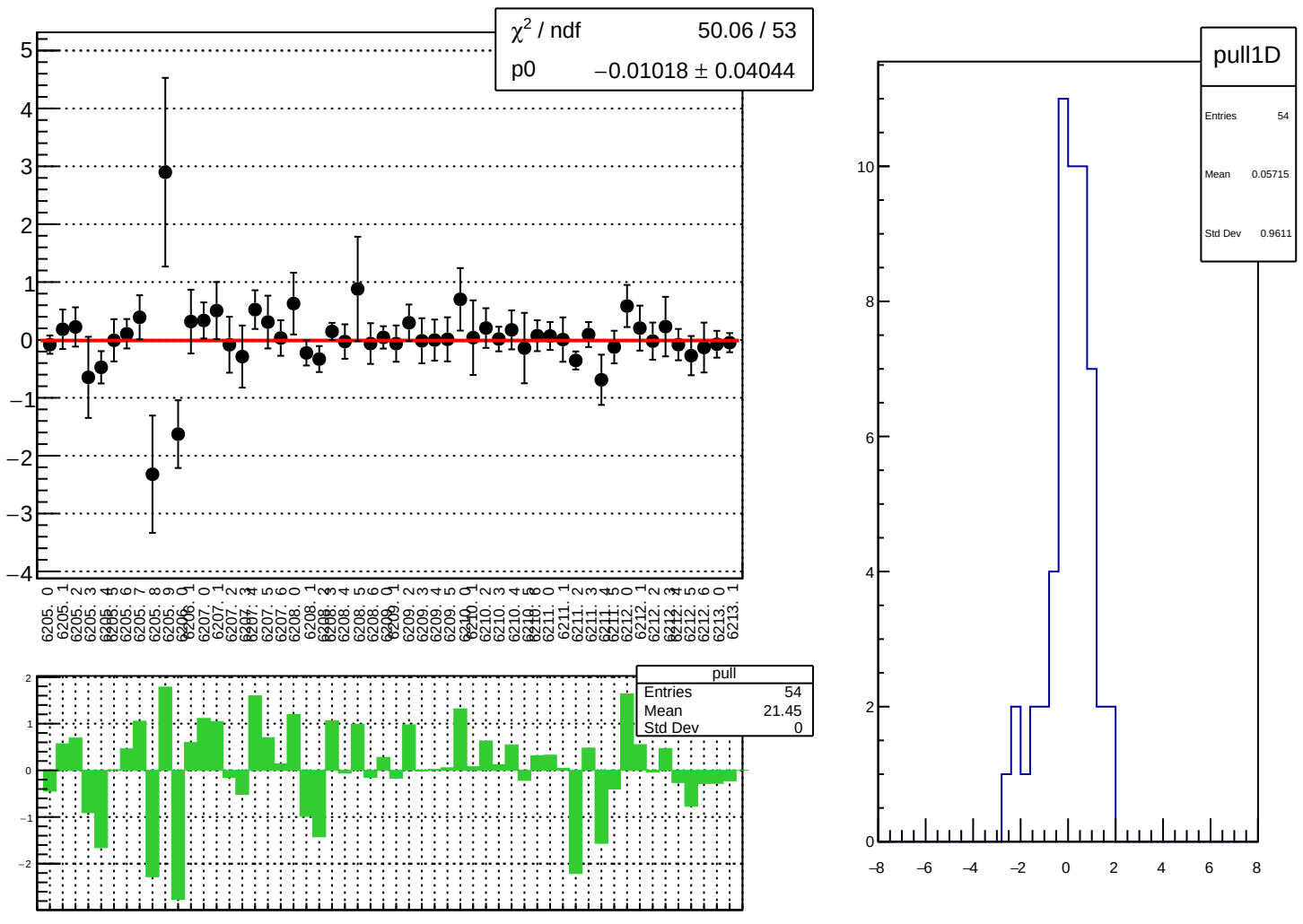

pull1D
Entries 54
Mean −0.04408
Std Dev 1.052

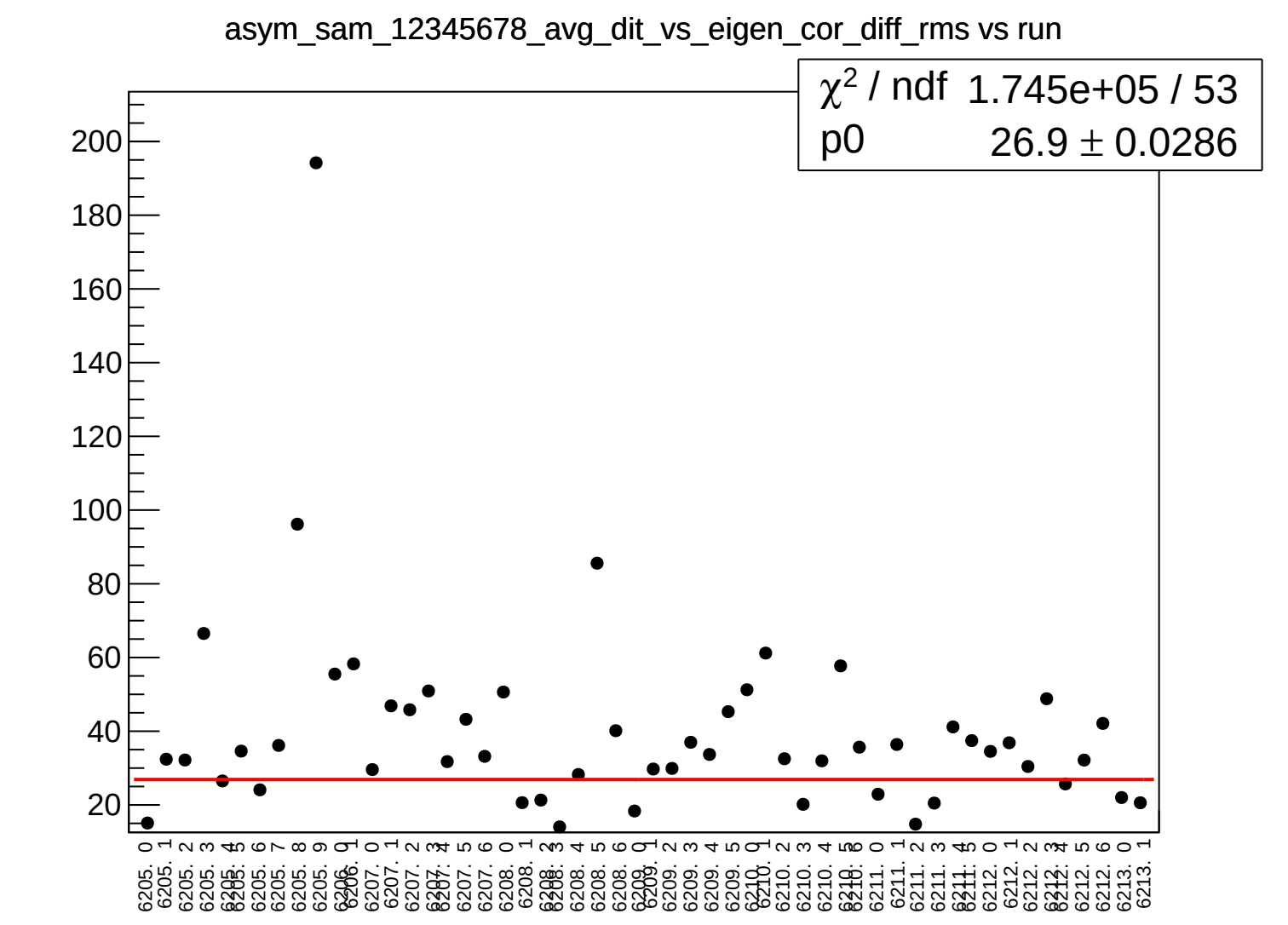

asym_sam_12345678_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.085e+05 / 53
p0 7.895e−11 ± 1.176e−13
0.05
0.04
0.03
0.02
0.01
0

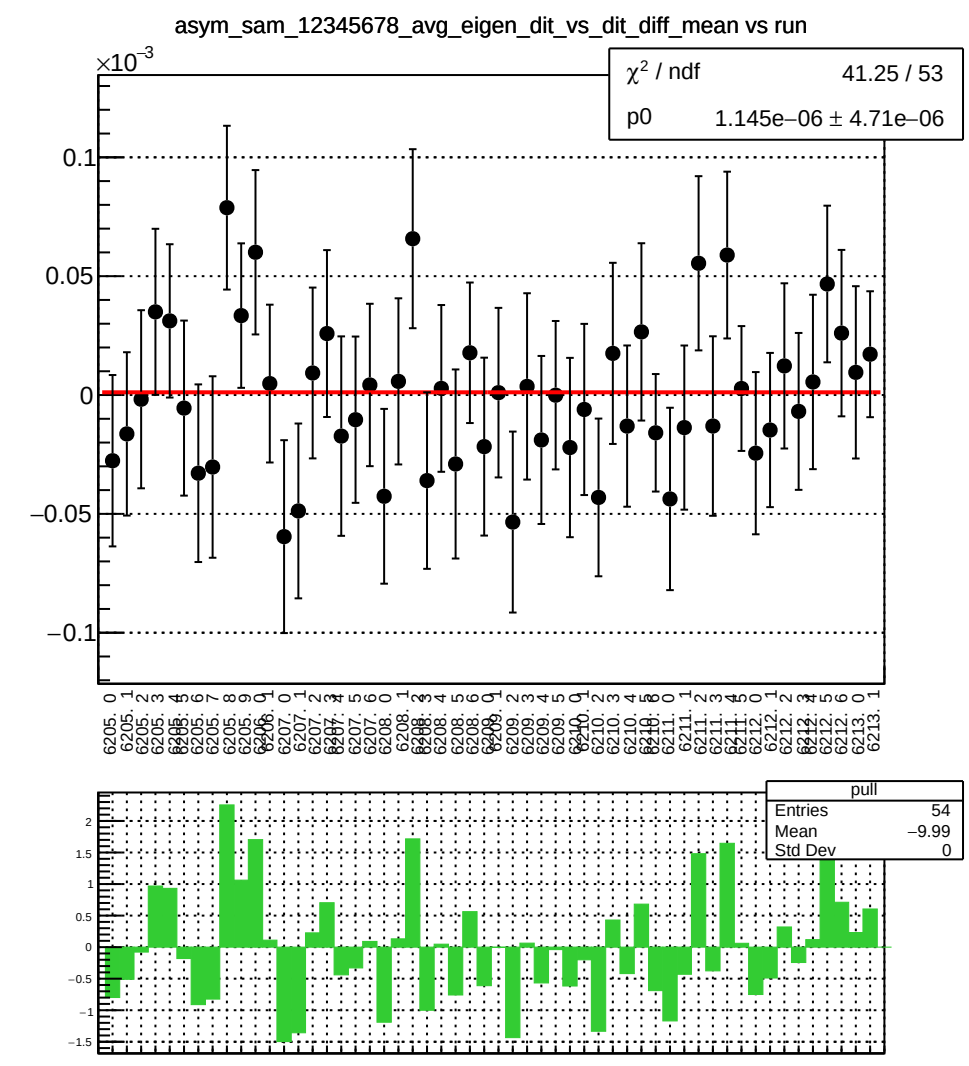

asym_sam_12345678_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 50.06 / 53
p0 −0.01018 ± 0.04044
pull
Entries 54
Mean 21.45
Std Dev 0

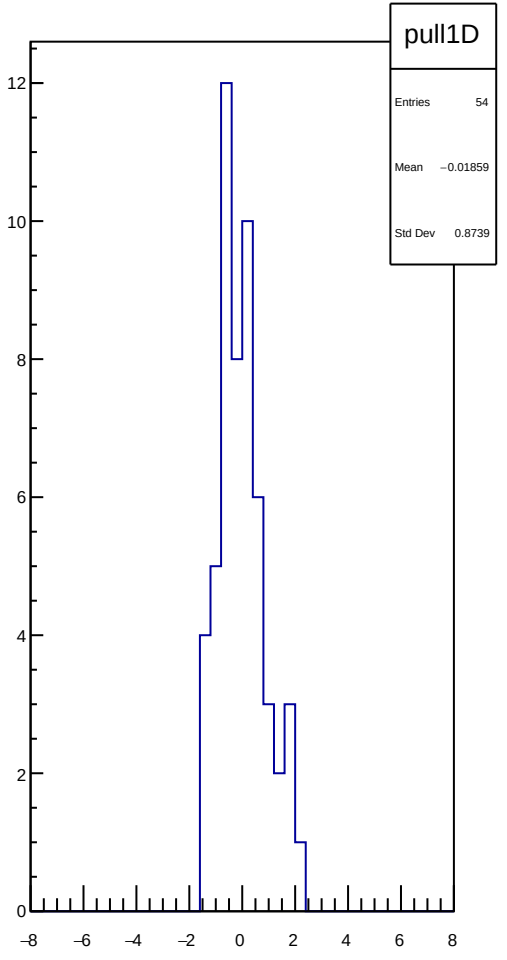

pull1D
Entries 54
Mean 0.05715
Std Dev 0.9611

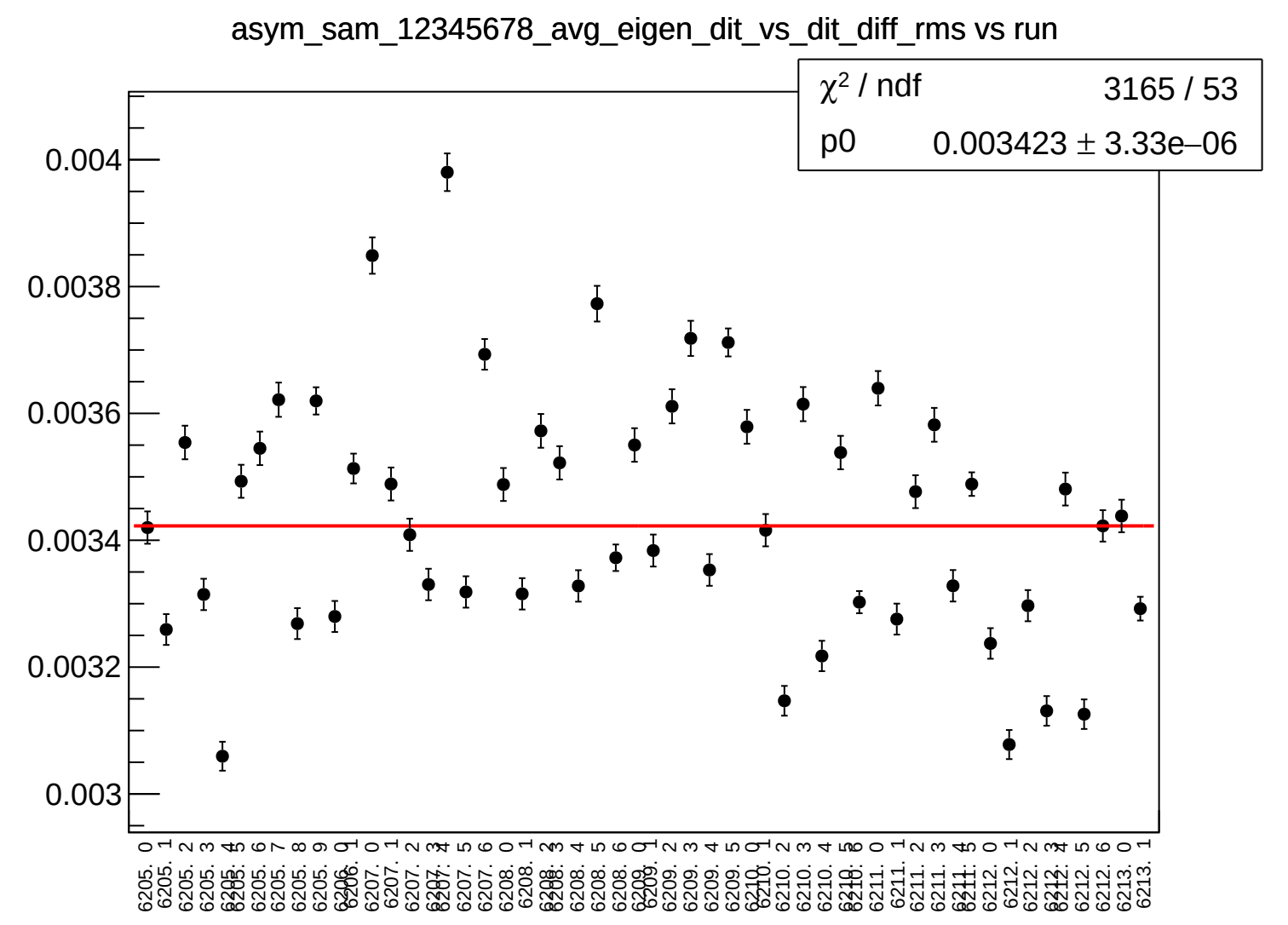

asym_sam_12345678_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.745e+05 / 53
p0 26.9 ± 0.0286
200
180
160
140
120
100
80
60
40
20
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

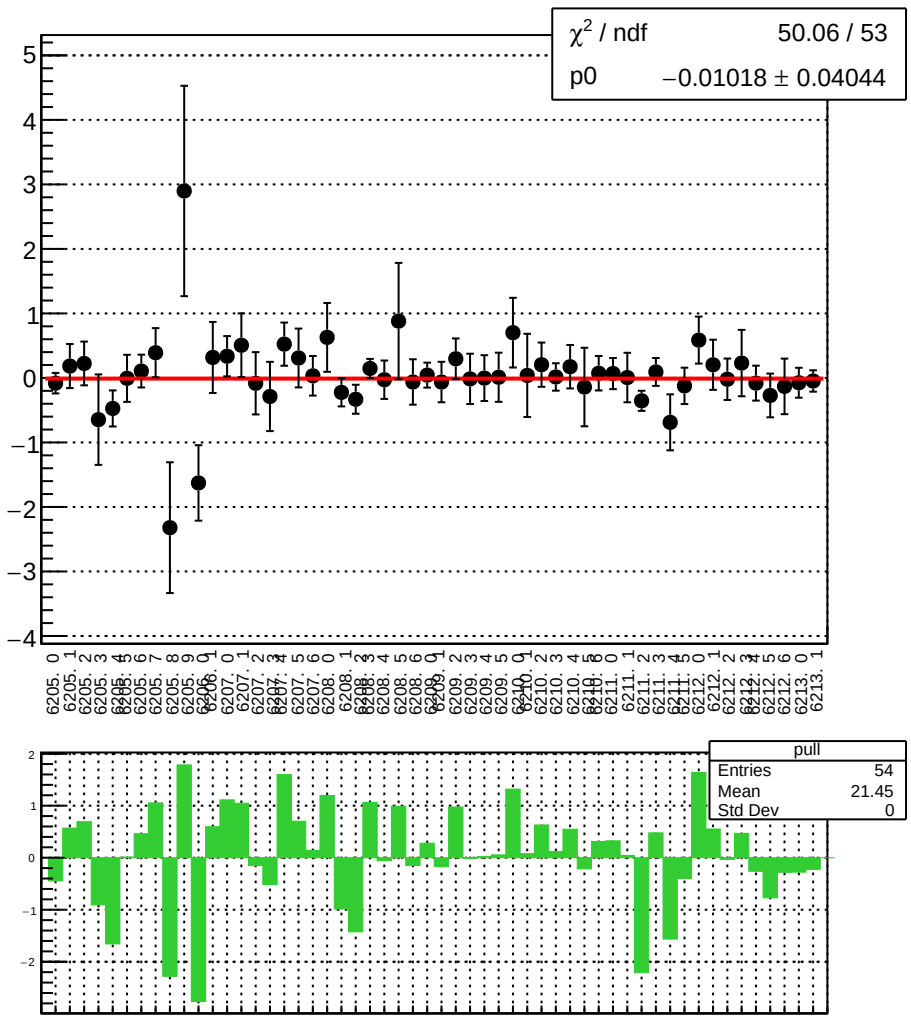

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 50.06 / 53
p0 −0.01018 ± 0.04044
pull
Entries 54
Mean 21.45
Std Dev 0
pull1D
Entries 54
Mean 0.05715
Std Dev 0.9611

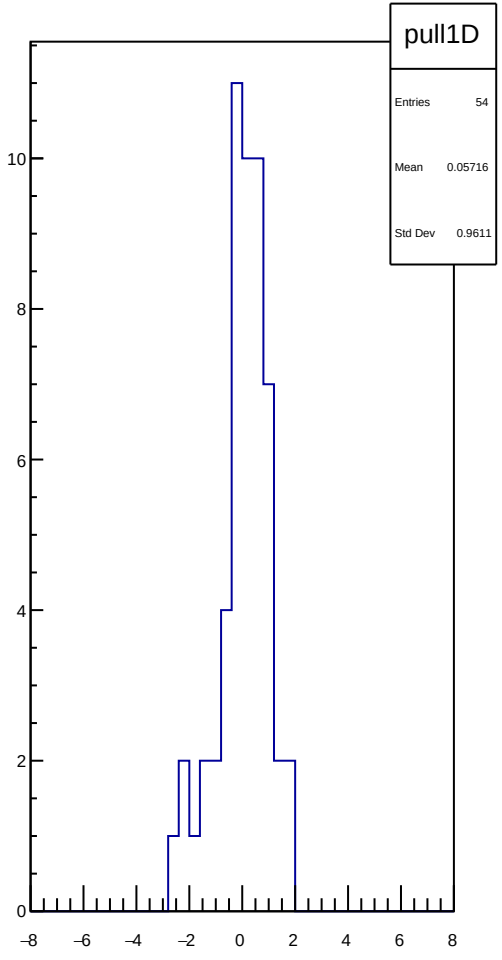

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.745e+05 / 53
p0 26.9 ± 0.0286
200
180
160
140
120
100
80
60
40
20
6205. 0
6205. 1
6205. 2
6205. 3
6205. 6
6205. 7
6205. 8
6205. 9
6207. 0
6207. 1
6207. 2
6207. 5
6207. 6
6208. 0
6208. 1
6208. 4
6208. 5
6208. 6
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6211. 0
6211. 1
6211. 2
6211. 3
6212. 0
6212. 1
6212. 2
6212. 5
6212. 6
6213. 0
6213. 1

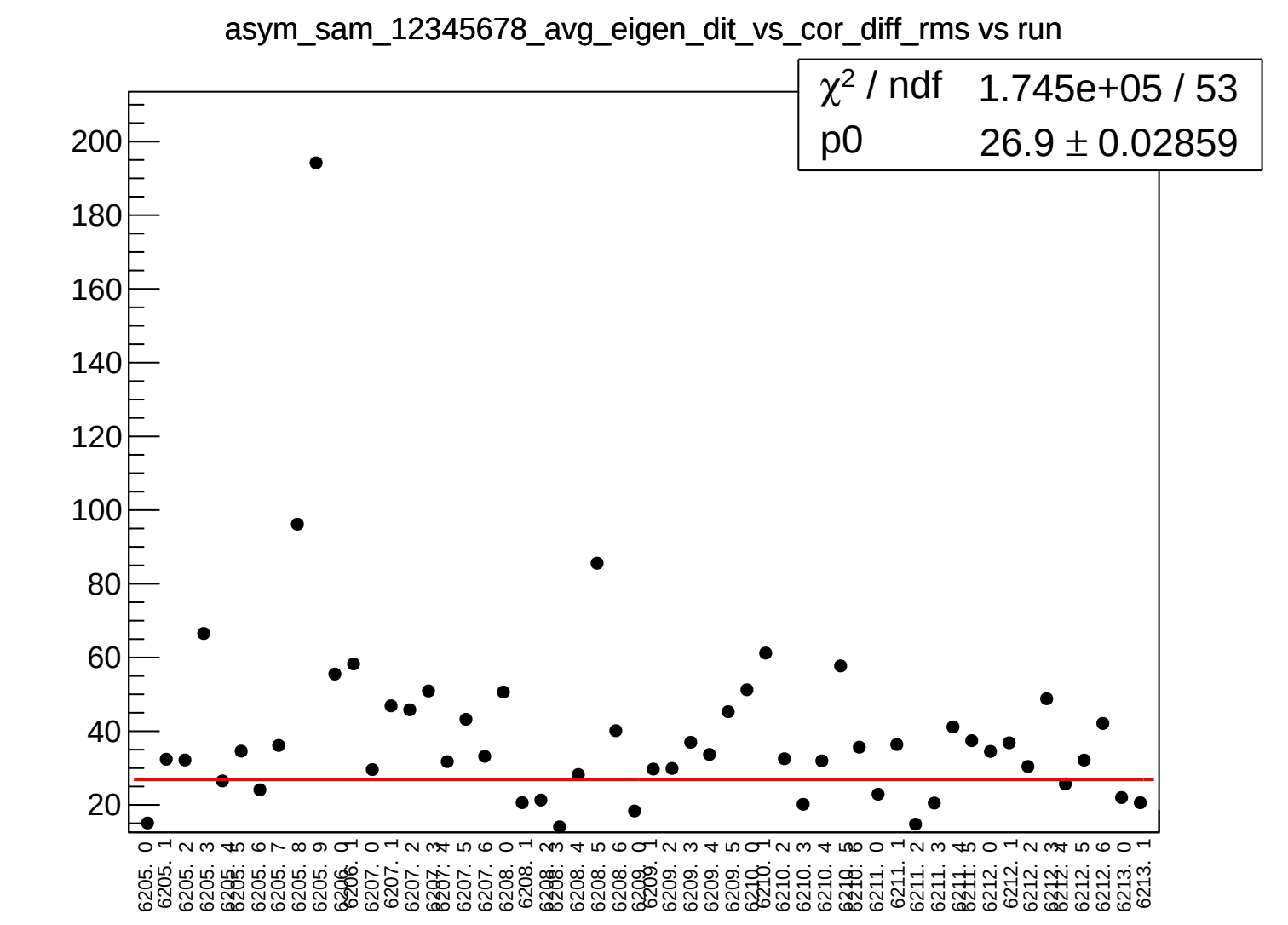

asym_sam_12345678_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 41.25 / 53
p0 1.145e−06 ± 4.71e−06
pull
Entries 54
Mean −9.99
Std Dev 0

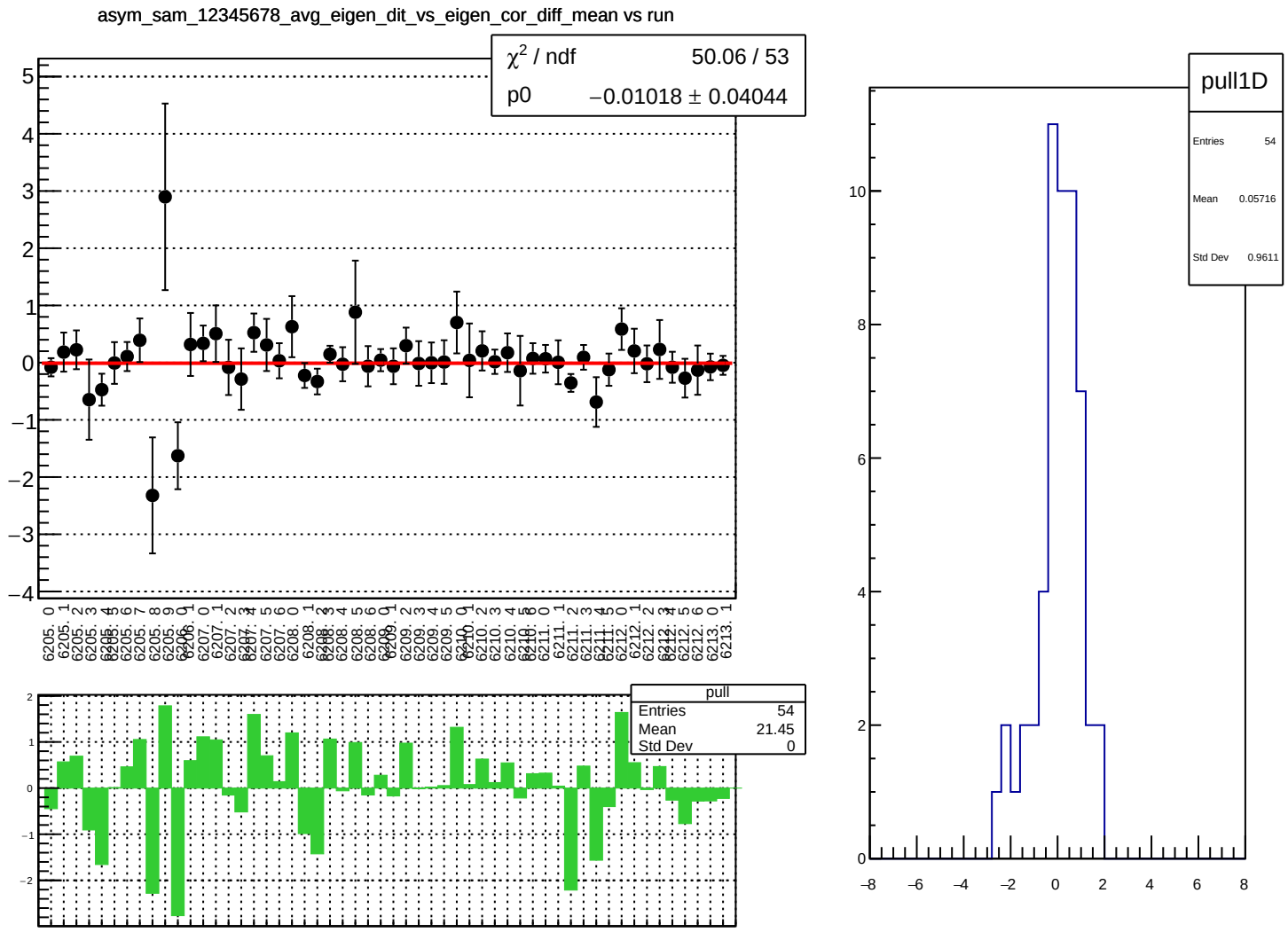

pull1D
Entries 54
Mean −0.01859
Std Dev 0.8739

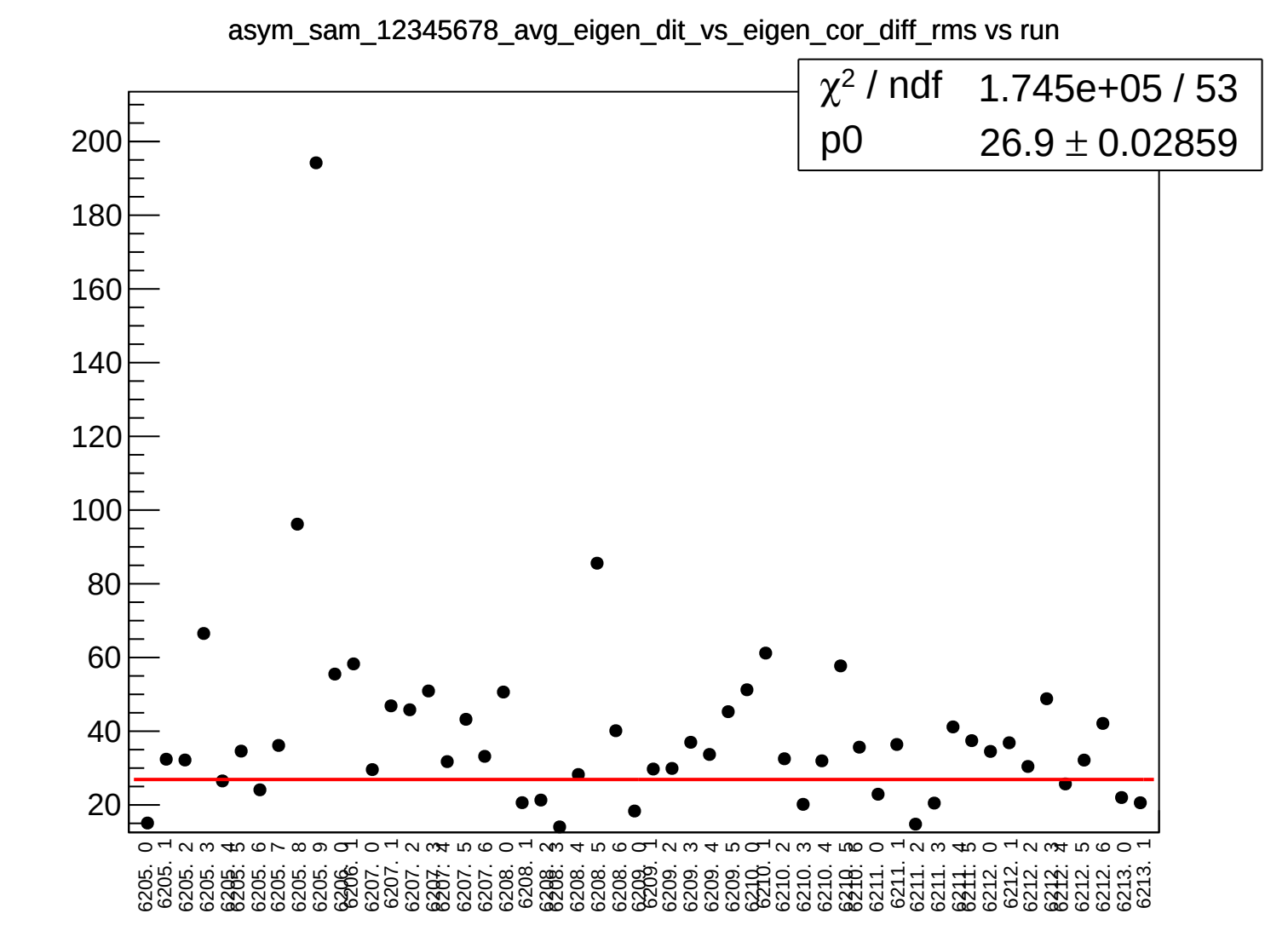

asym_sam_12345678_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3165 / 53
p0 0.003423 ± 3.33e−06
0.004
0.0038
0.0036
0.0034
0.0032
0.003
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

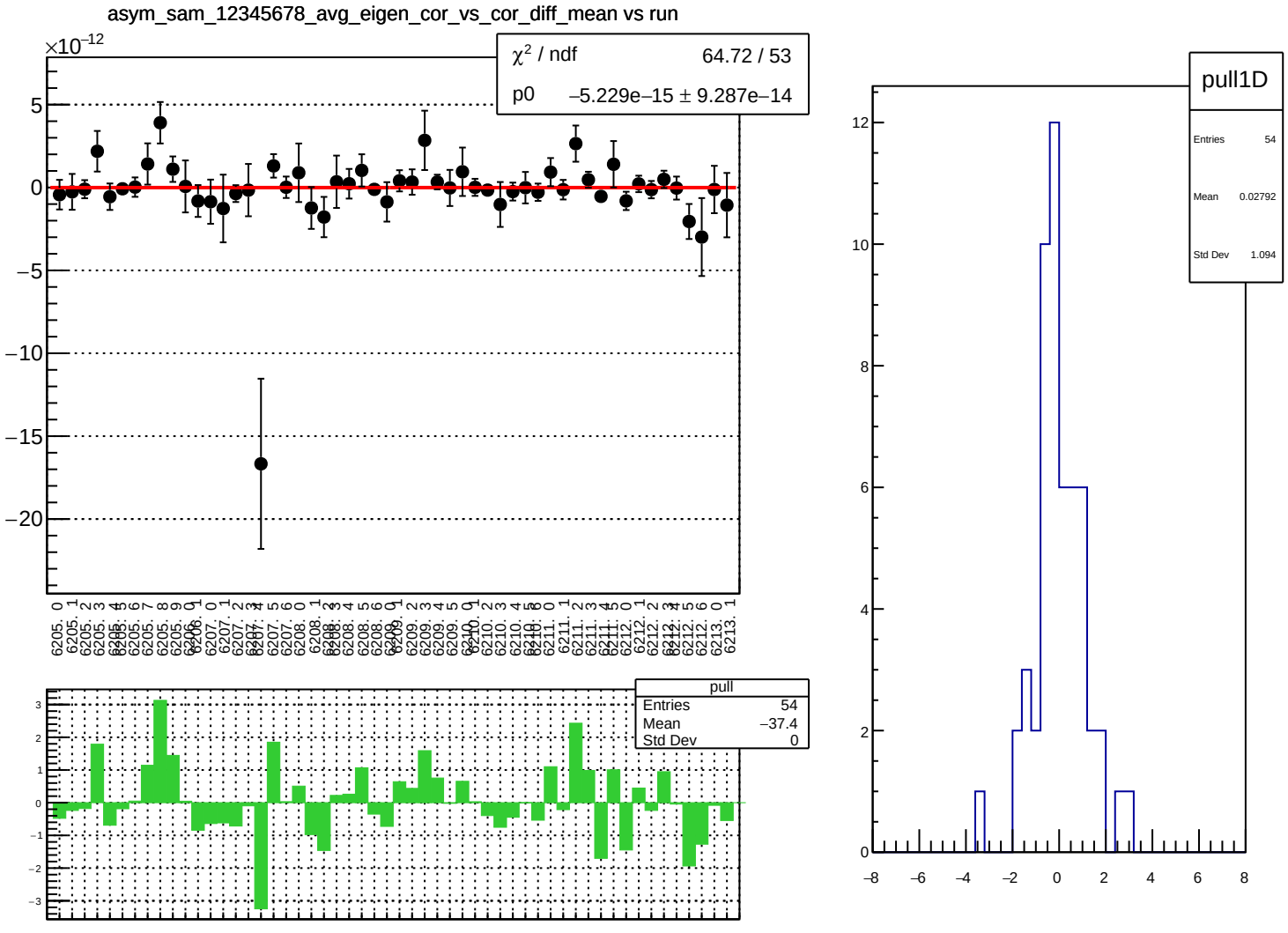

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 50.06 / 53
p0 −0.01018 ± 0.04044
pull
Entries 54
Mean 21.45
Std Dev 0

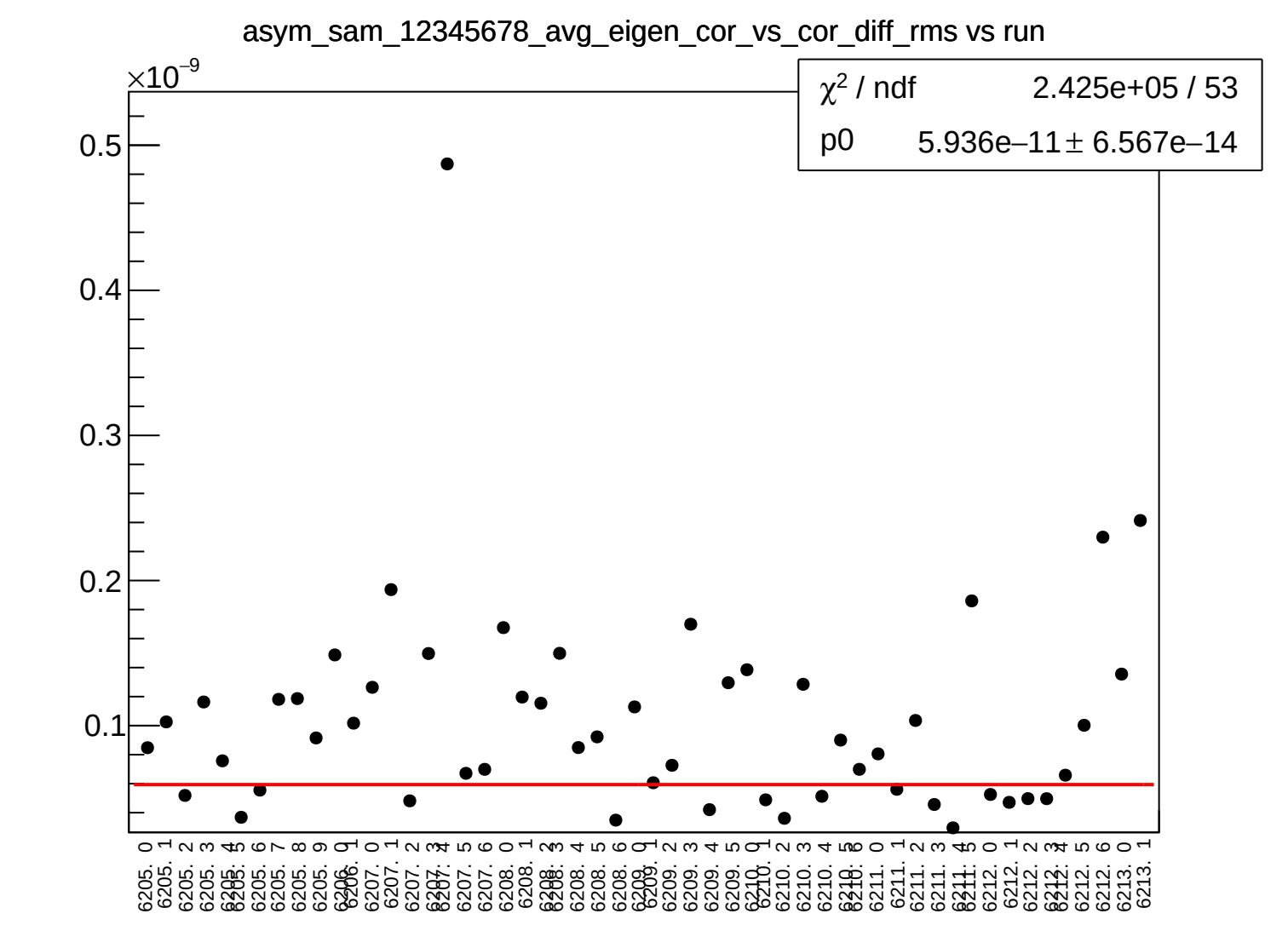

pull1D
Entries 54
Mean 0.05716
Std Dev 0.9611

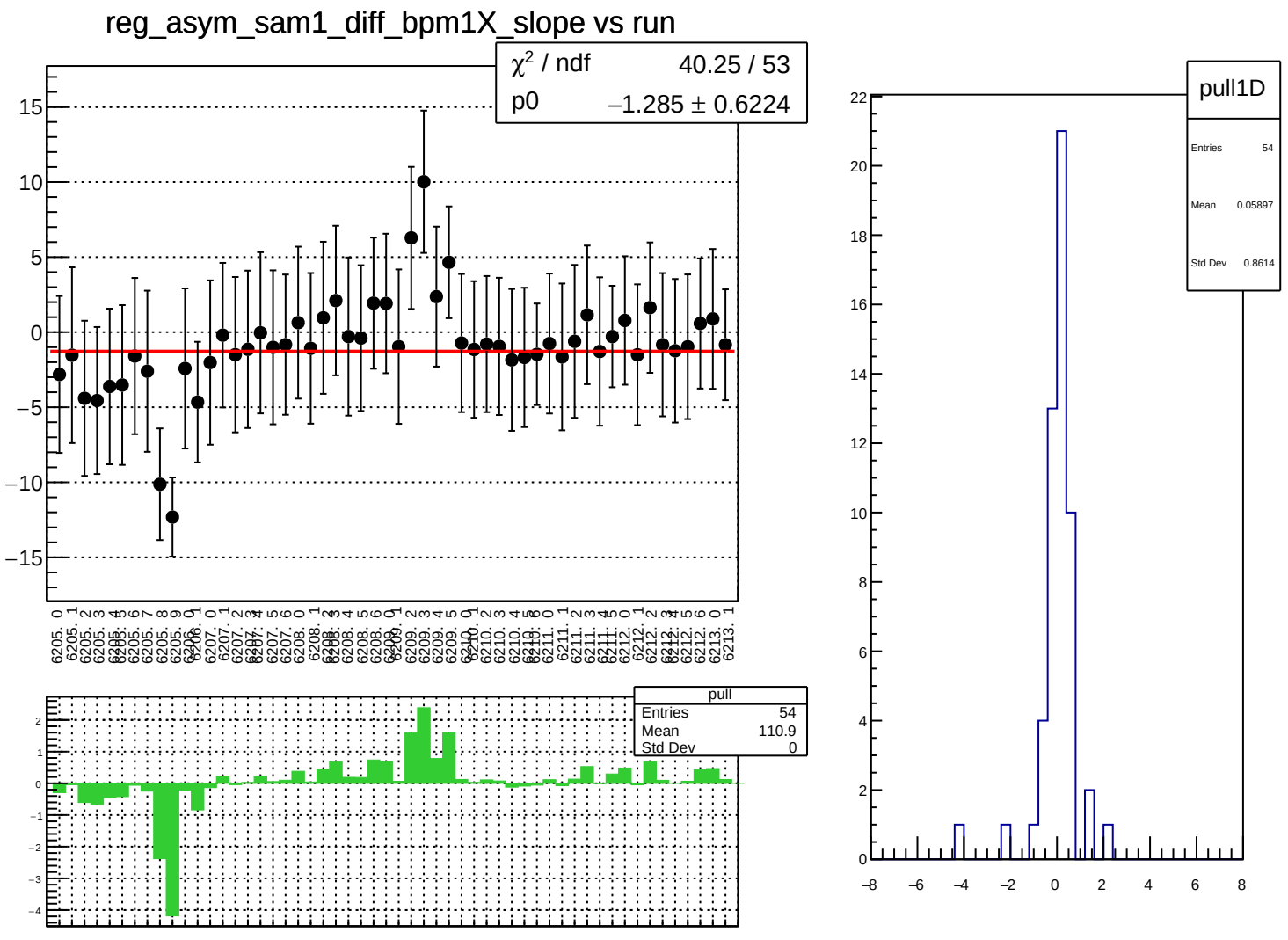

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.745e+05 / 53
p0 26.9 ± 0.02859
200
180
160
140
120
100
80
60
40
20
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

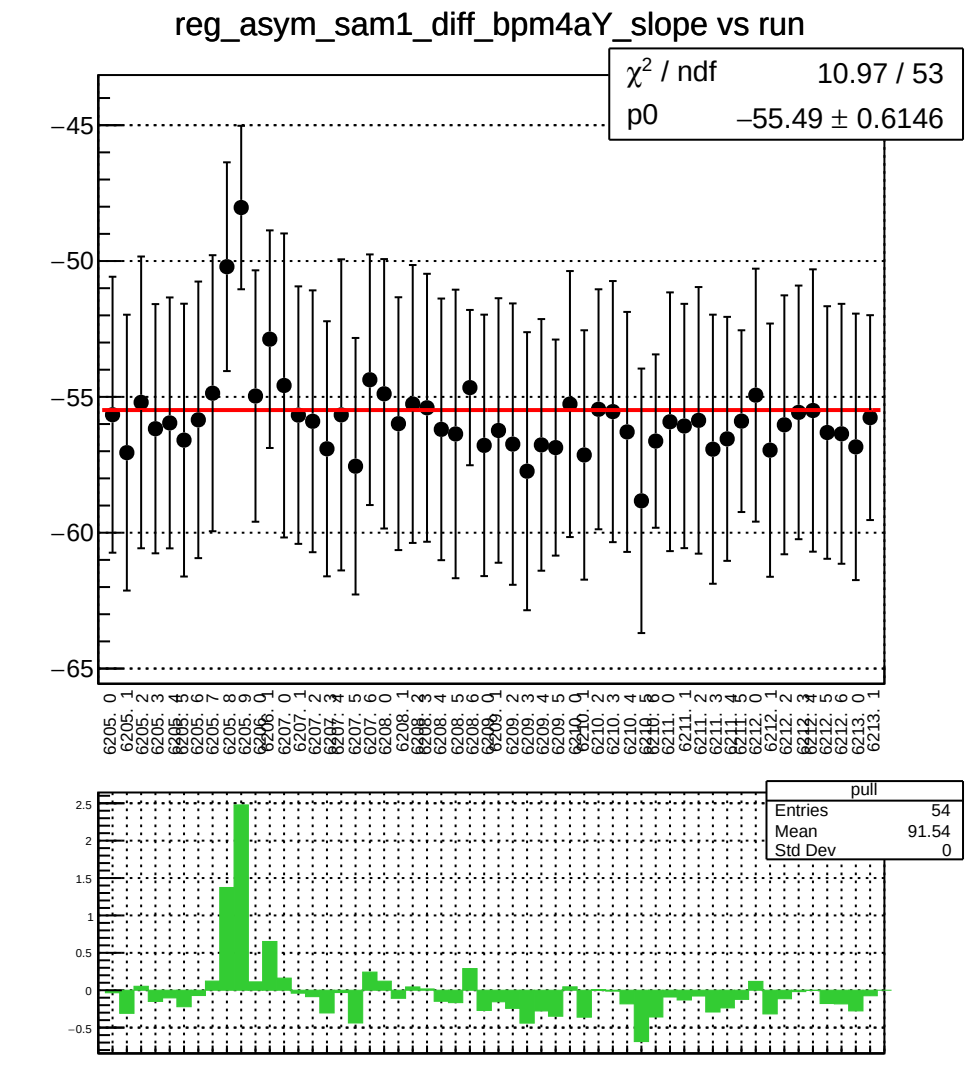

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 50.06 / 53
p0 −0.01018 ± 0.04044
pull
Entries 54
Mean 21.45
Std Dev 0
pull1D
Entries 54
Mean 0.05716
Std Dev 0.9611

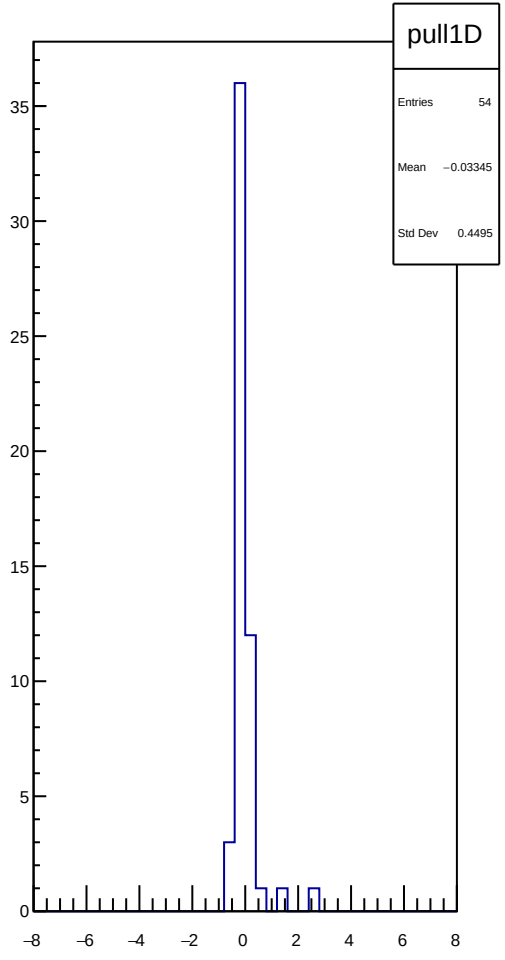

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.745e+05 / 53
p0 26.9 ± 0.02859
200
180
160
140
120
100
80
60
40
20
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

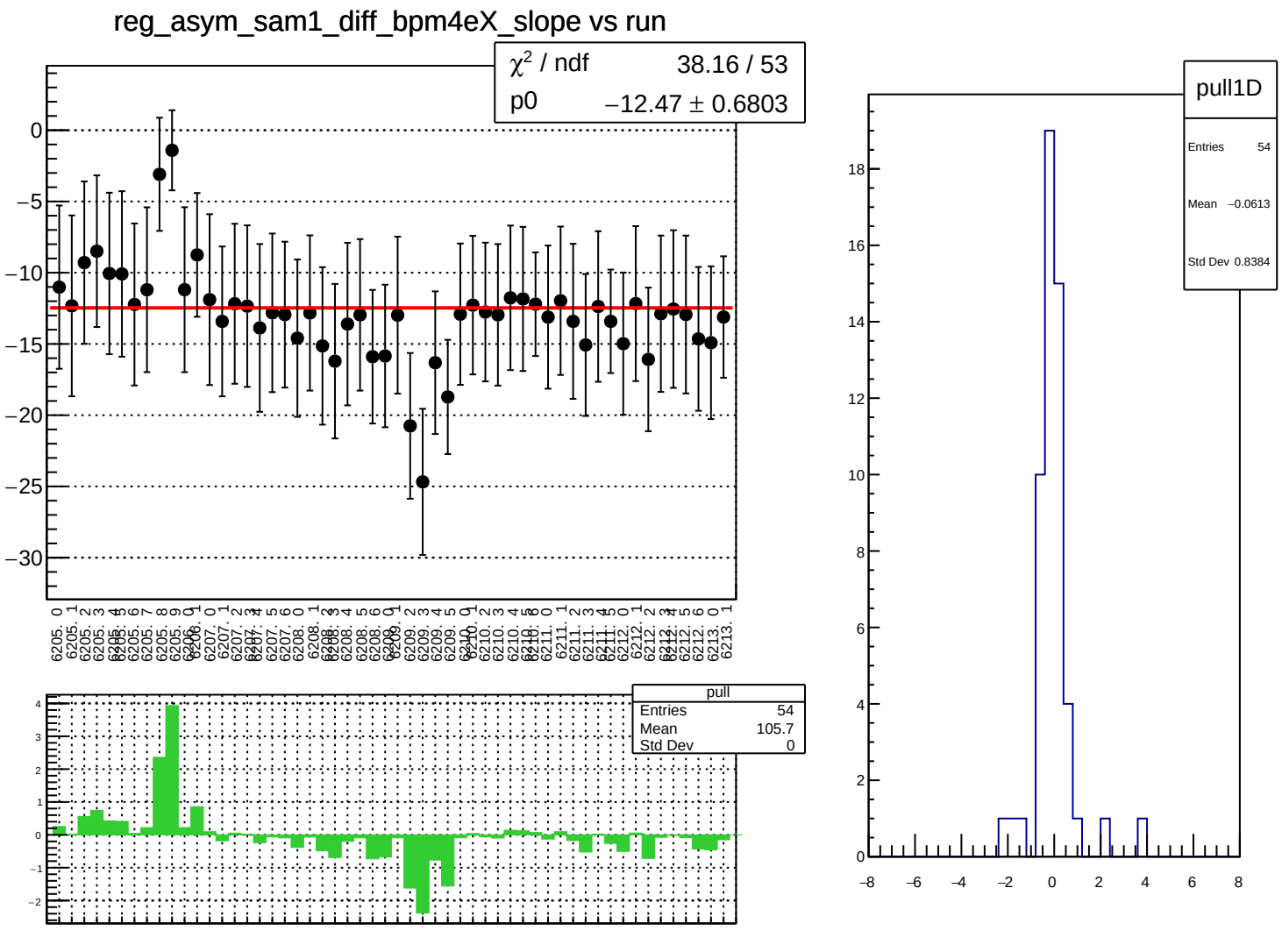

asym_sam_12345678_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 64.72 / 53
p0 −5.229e−15 ± 9.287e−14
pull
Entries 54
Mean −37.4
Std Dev 0
pull1D
Entries 54
Mean 0.02792
Std Dev 1.094

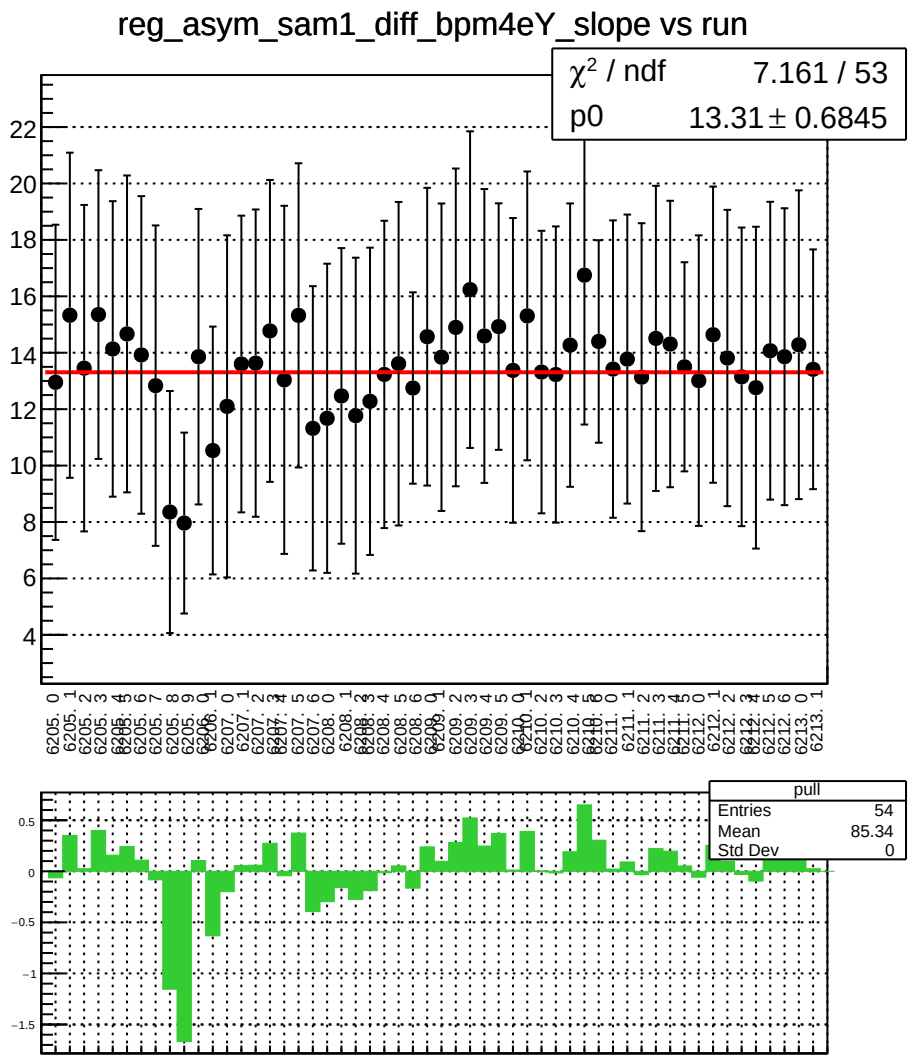

asym_sam_12345678_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.425e+05 / 53
p0 5.936e−11 ± 6.567e−14
0.5
0.4
0.3
0.2
0.1
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1

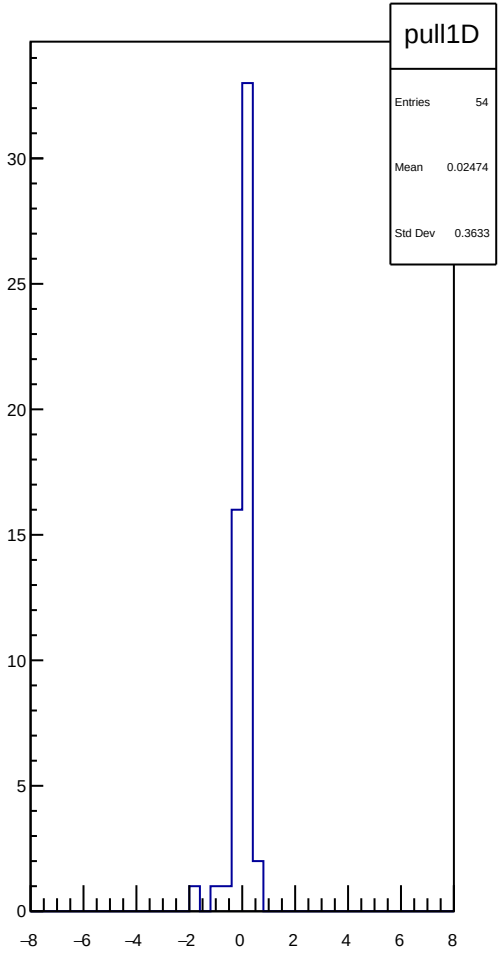

reg_asym_sam1_diff_bpm1X_slope vs run
χ² / ndf 40.25 / 53
p0 −1.285 ± 0.6224
pull
Entries 54
Mean 110.9
Std Dev 0
pull1D
Entries 54
Mean 0.05897
Std Dev 0.8614

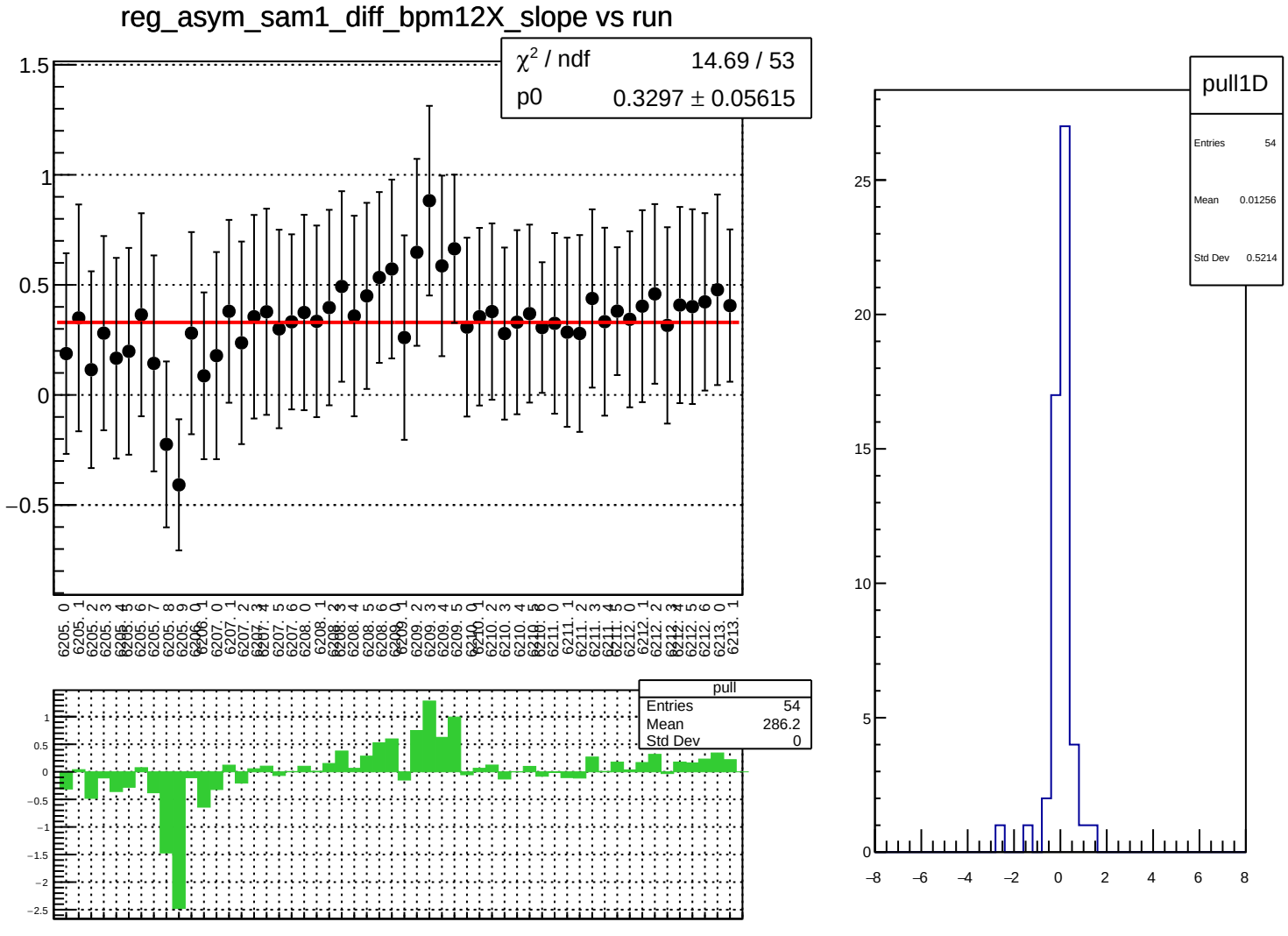

reg_asym_sam1_diff_bpm4aY_slope vs run
χ² / ndf 10.97 / 53
p0 −55.49 ± 0.6146
−45
−50
−55
−60
−65
pull
Entries 54
Mean 91.54
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5

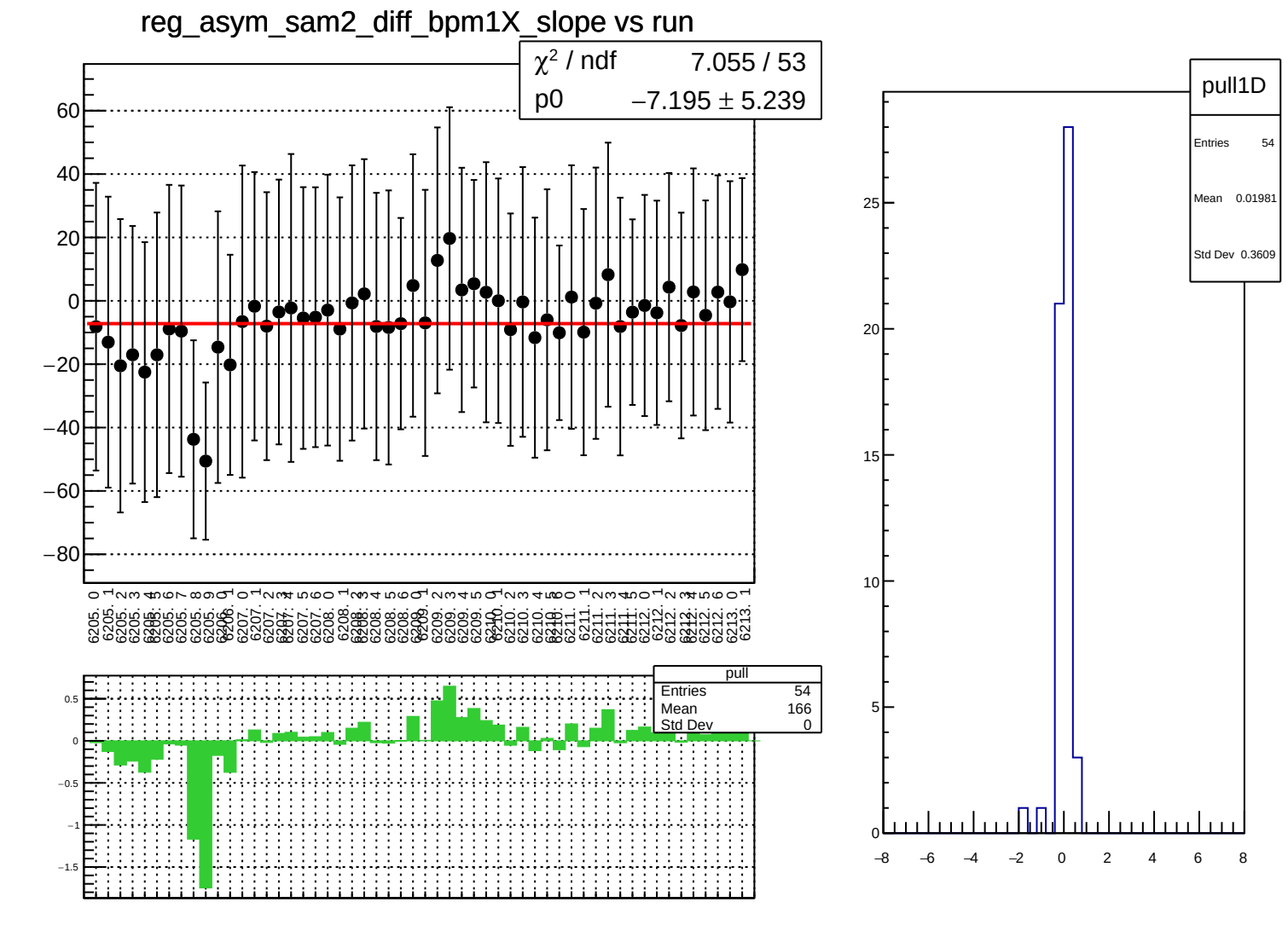

pull1D
Entries 54
Mean −0.03345
Std Dev 0.4495
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

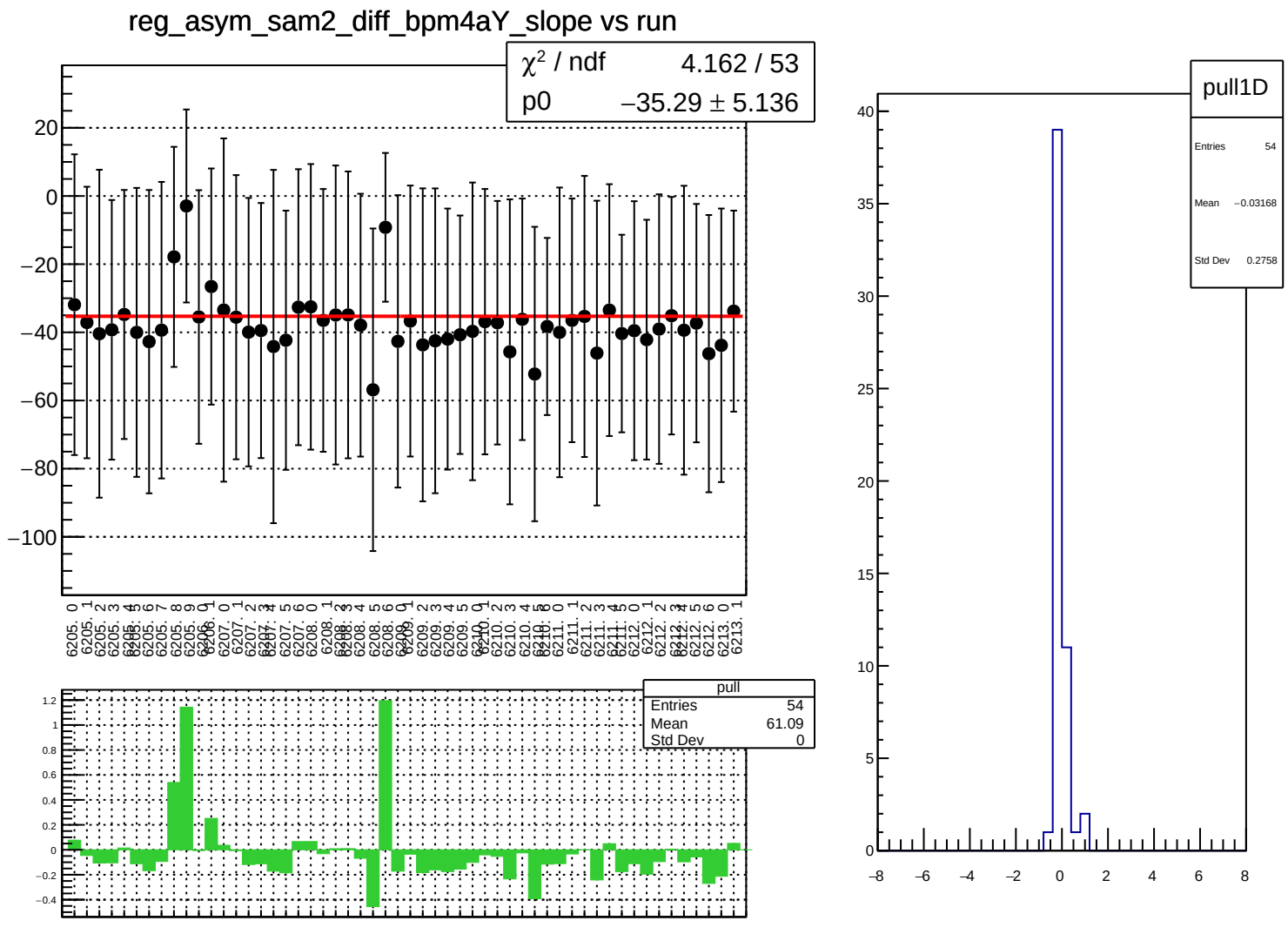

reg_asym_sam1_diff_bpm4eX_slope vs run
χ² / ndf 38.16 / 53
p0 −12.47 ± 0.6803
pull
Entries 54
Mean 105.7
Std Dev 0
pull1D
Entries 54
Mean −0.0613
Std Dev 0.8384

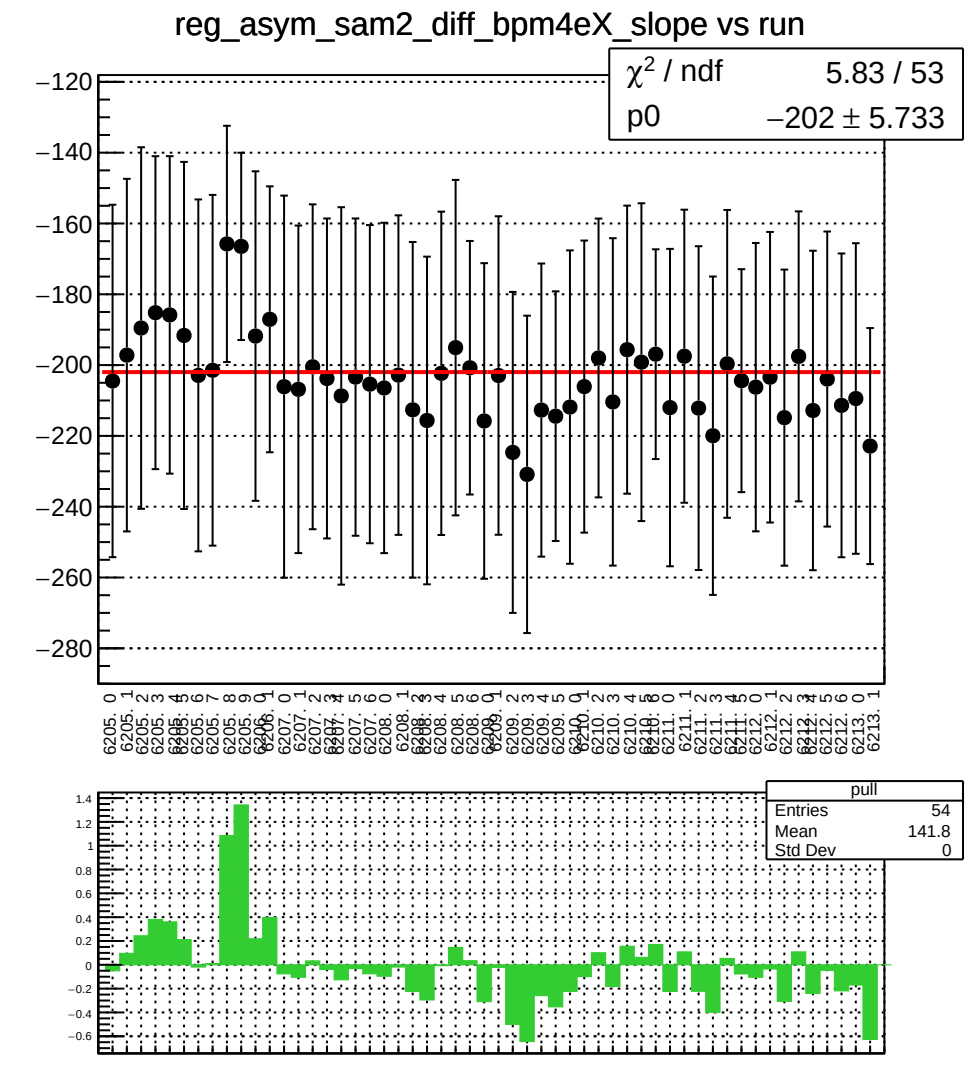

reg_asym_sam1_diff_bpm4eY_slope vs run
χ² / ndf 7.161 / 53
p0 13.31 ± 0.6845
pull
Entries 54
Mean 85.34
Std Dev 0

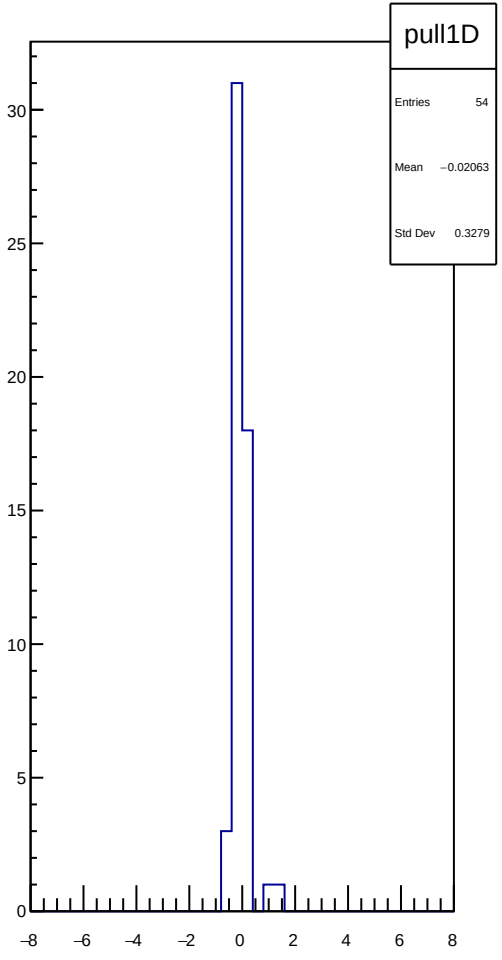

pull1D
Entries 54
Mean 0.02474
Std Dev 0.3633

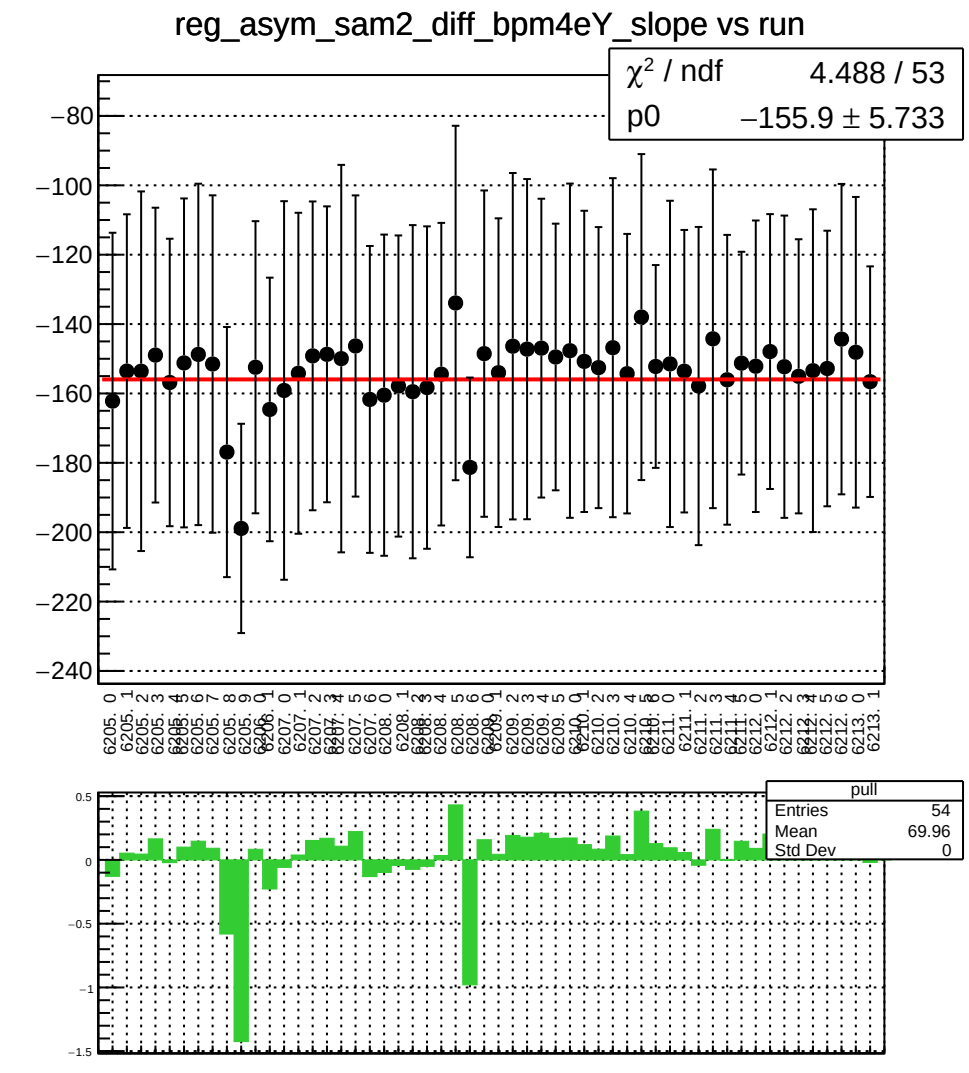

reg_asym_sam1_diff_bpm12X_slope vs run
χ² / ndf 14.69 / 53
p0 0.3297 ± 0.05615
pull
Entries 54
Mean 286.2
Std Dev 0
pull1D
Entries 54
Mean 0.01256
Std Dev 0.5214

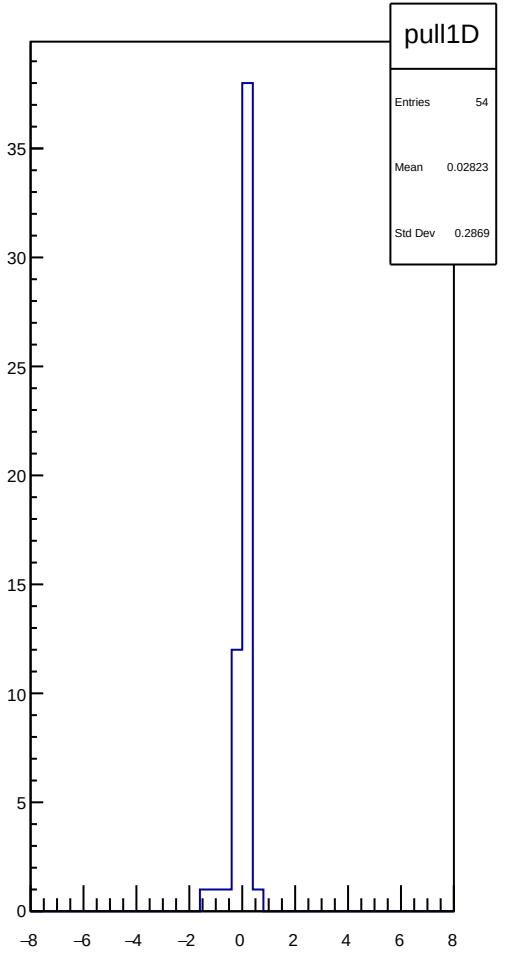

reg_asym_sam2_diff_bpm1X_slope vs run
χ² / ndf 7.055 / 53
p0 −7.195 ± 5.239
pull
Entries 54
Mean 166
Std Dev 0
pull1D
Entries 54
Mean 0.01981
Std Dev 0.3609

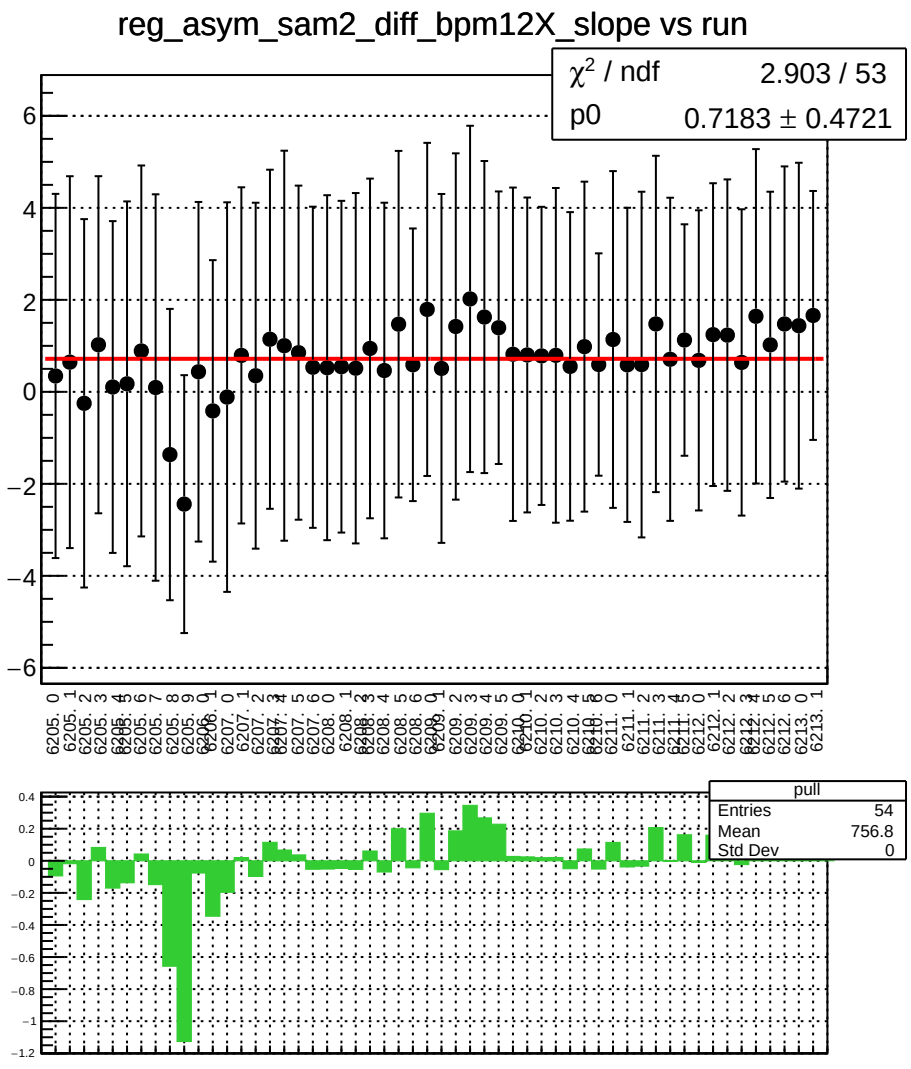

reg_asym_sam2_diff_bpm4aY_slope vs run
χ² / ndf 4.162 / 53
p0 −35.29 ± 5.136
pull
Entries 54
Mean 61.09
Std Dev 0
pull1D
Entries 54
Mean −0.03168
Std Dev 0.2758

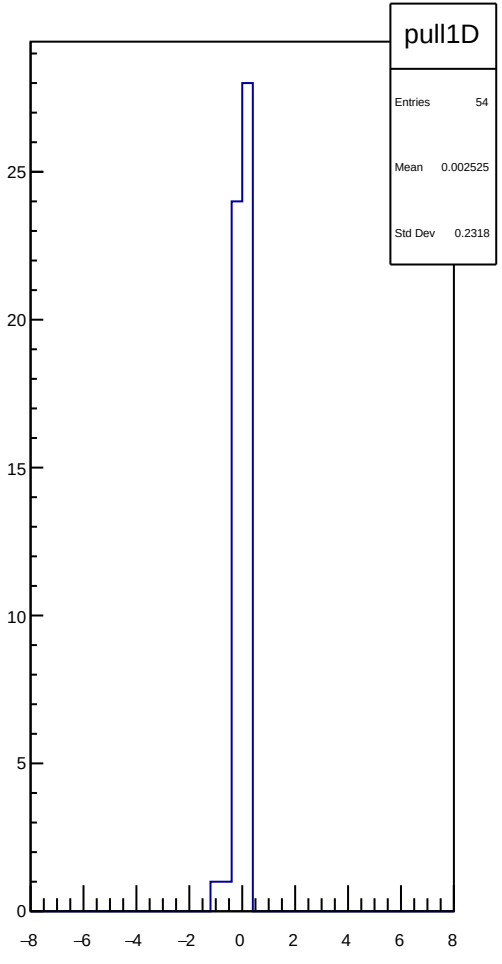

reg_asym_sam2_diff_bpm4eX_slope vs run
χ² / ndf 5.83 / 53
p0 −202 ± 5.733
pull
Entries 54
Mean 141.8
Std Dev 0

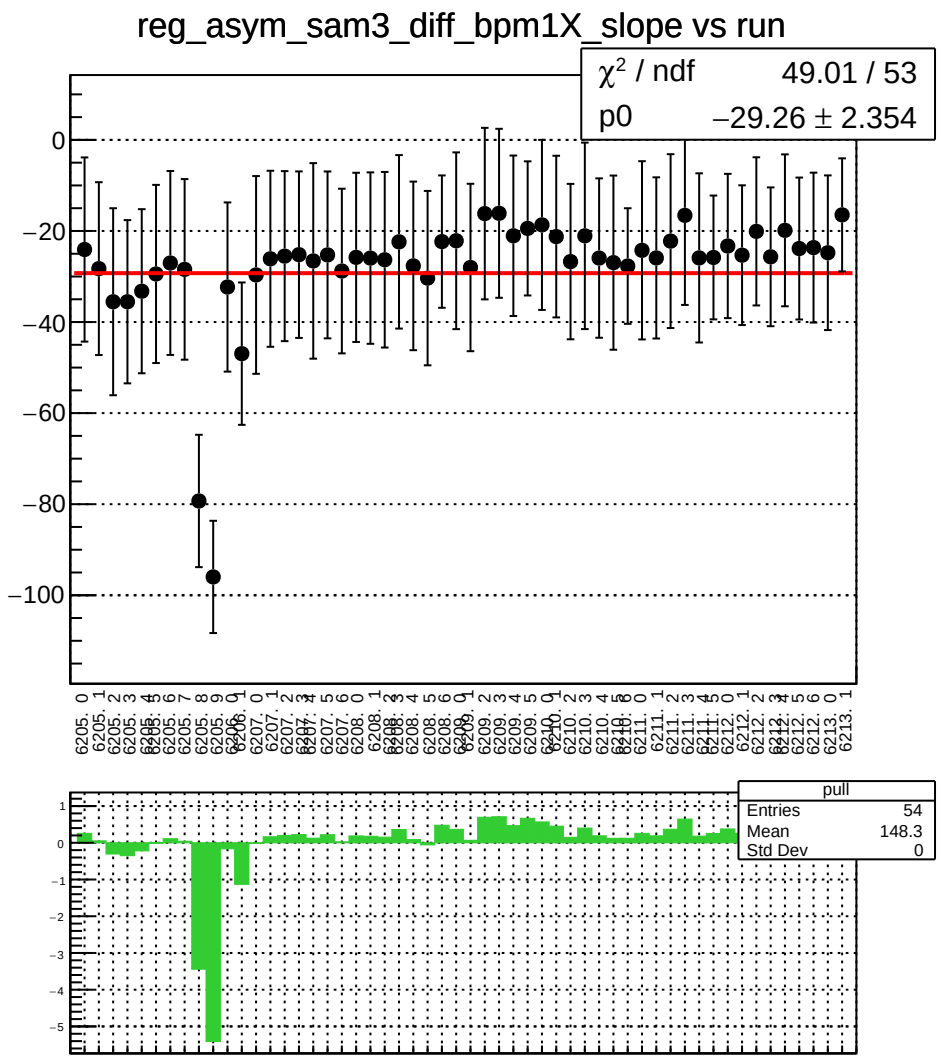

pull1D
Entries 54
Mean −0.02063
Std Dev 0.3279

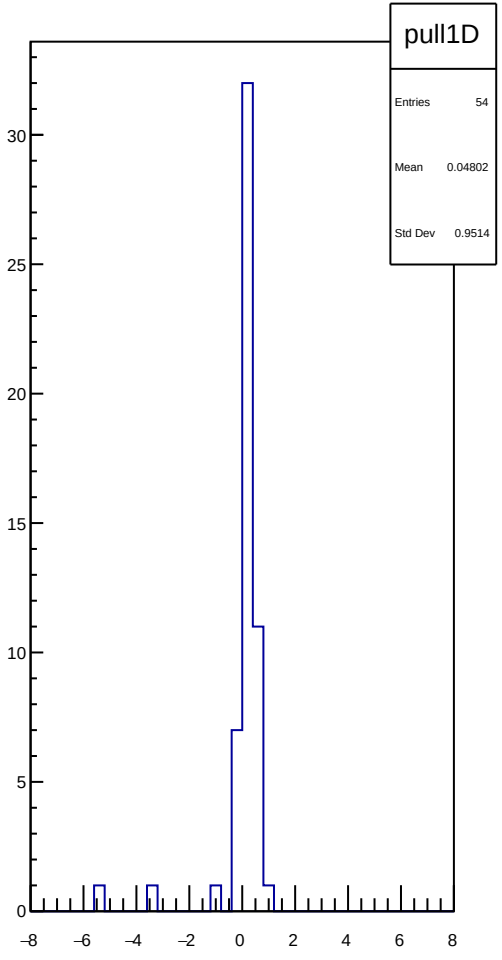

reg_asym_sam2_diff_bpm4eY_slope vs run
χ² / ndf 4.488 / 53
p0 −155.9 ± 5.733
pull
Entries 54
Mean 69.96
Std Dev 0

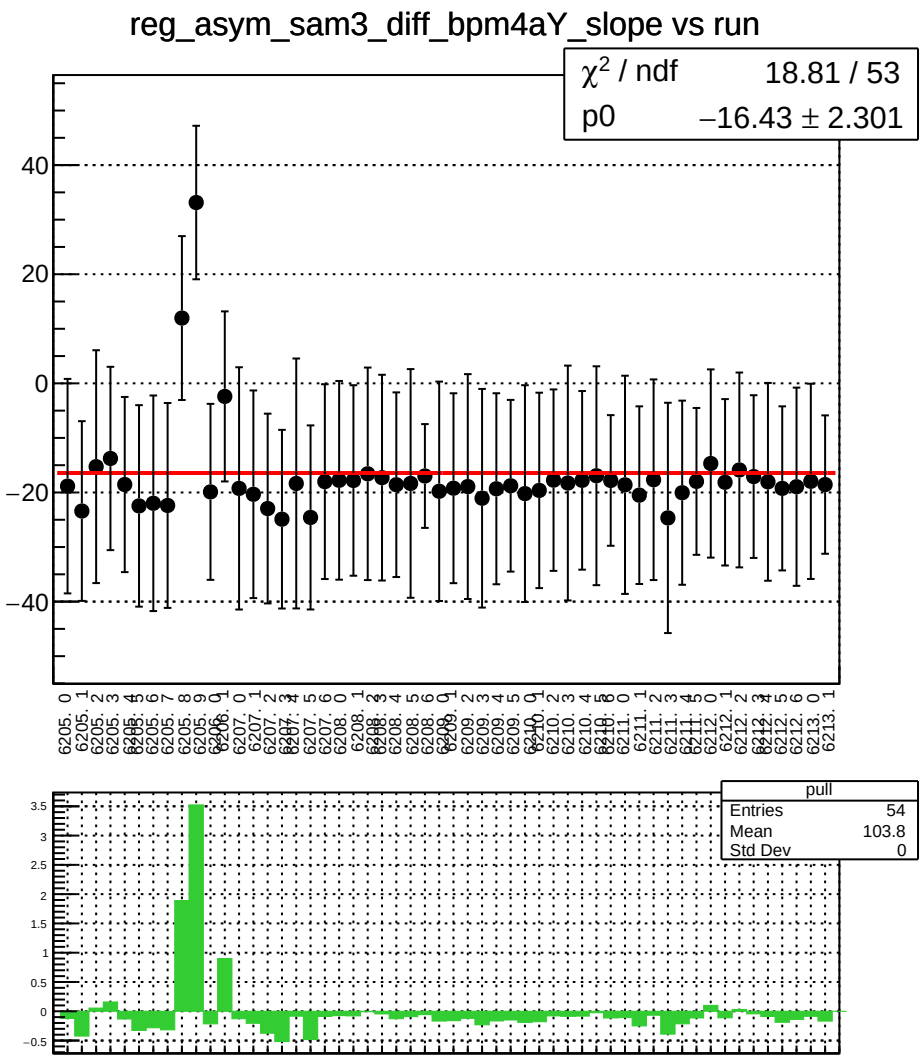

pull1D
Entries 54
Mean 0.02823
Std Dev 0.2869

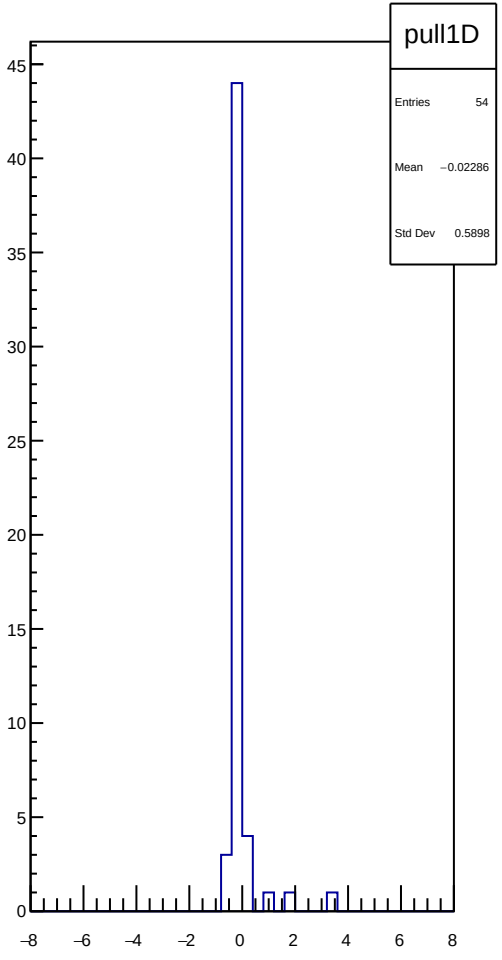

reg_asym_sam2_diff_bpm12X_slope vs run
χ² / ndf 2.903 / 53
p0 0.7183 ± 0.4721
pull
Entries 54
Mean 756.8
Std Dev 0

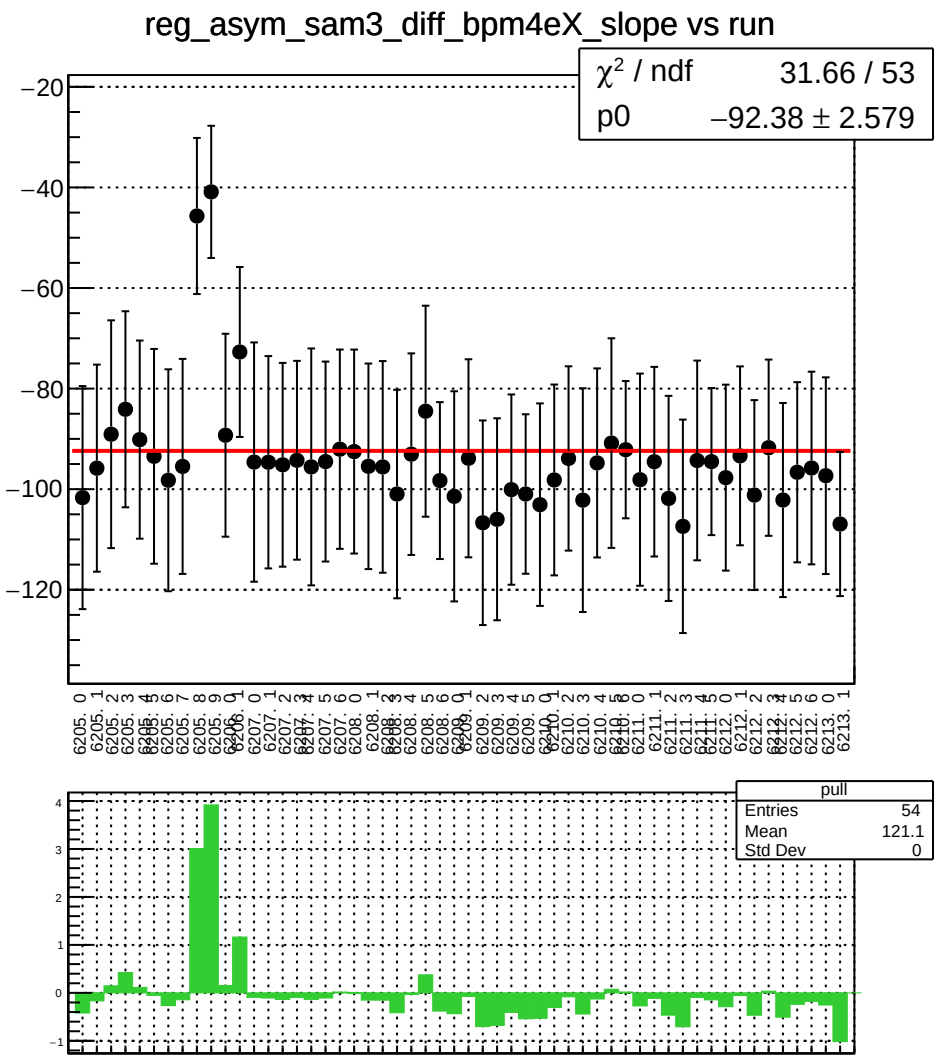

pull1D
Entries 54
Mean 0.002525
Std Dev 0.2318

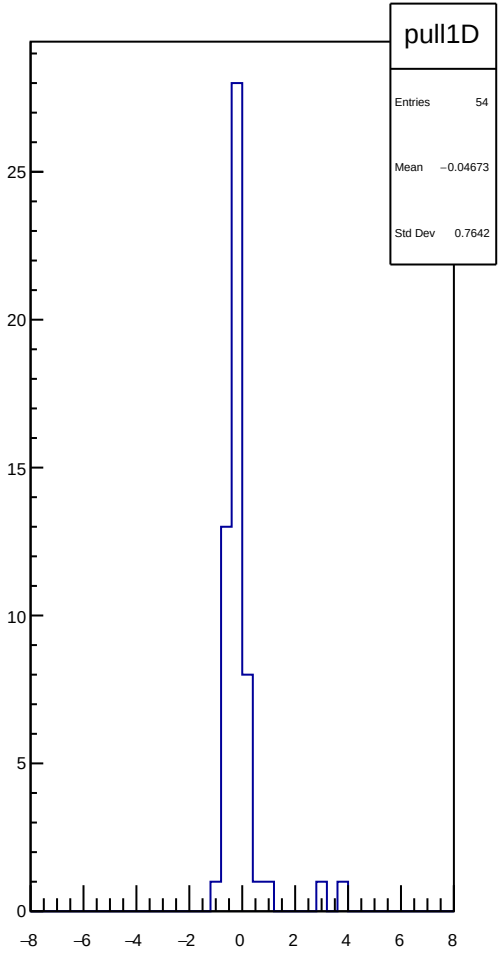

reg_asym_sam3_diff_bpm1X_slope vs run
χ² / ndf 49.01 / 53
p0 −29.26 ± 2.354
pull
Entries 54
Mean 148.3
Std Dev 0

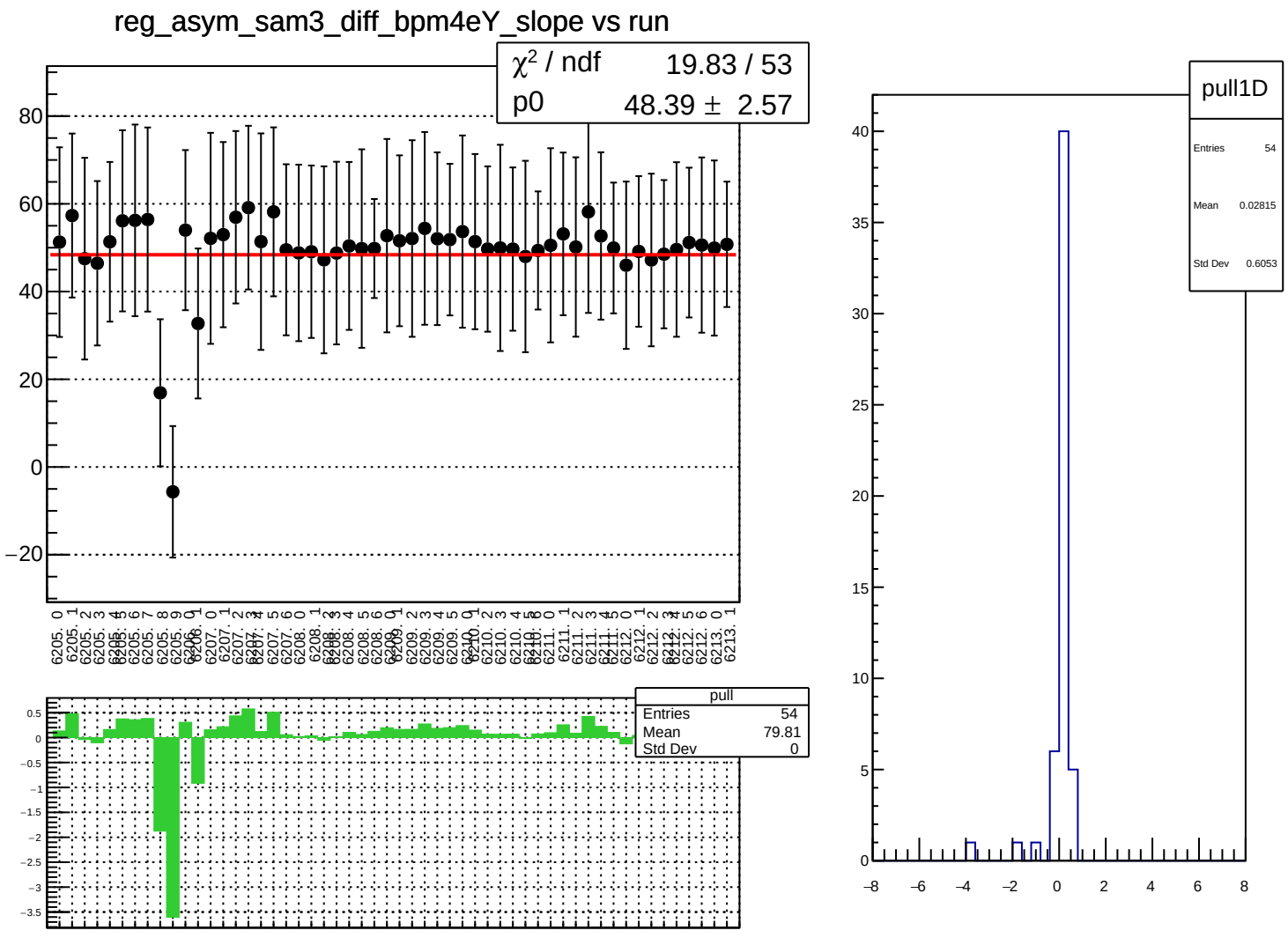

pull1D
Entries 54
Mean 0.04802
Std Dev 0.9514

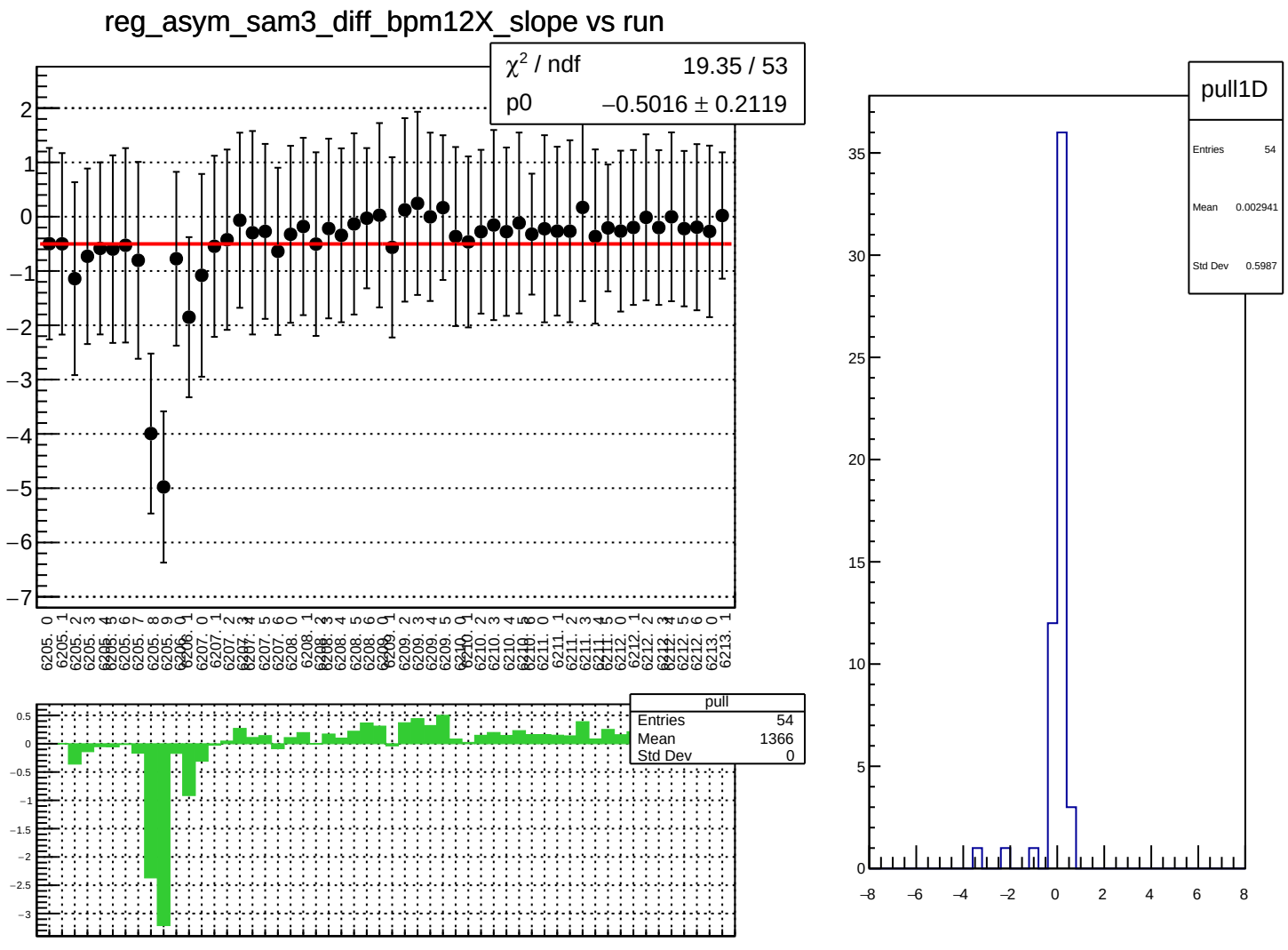

reg_asym_sam3_diff_bpm4aY_slope vs run
χ² / ndf 18.81 / 53
p0 −16.43 ± 2.301
pull
Entries 54
Mean 103.8
Std Dev 0

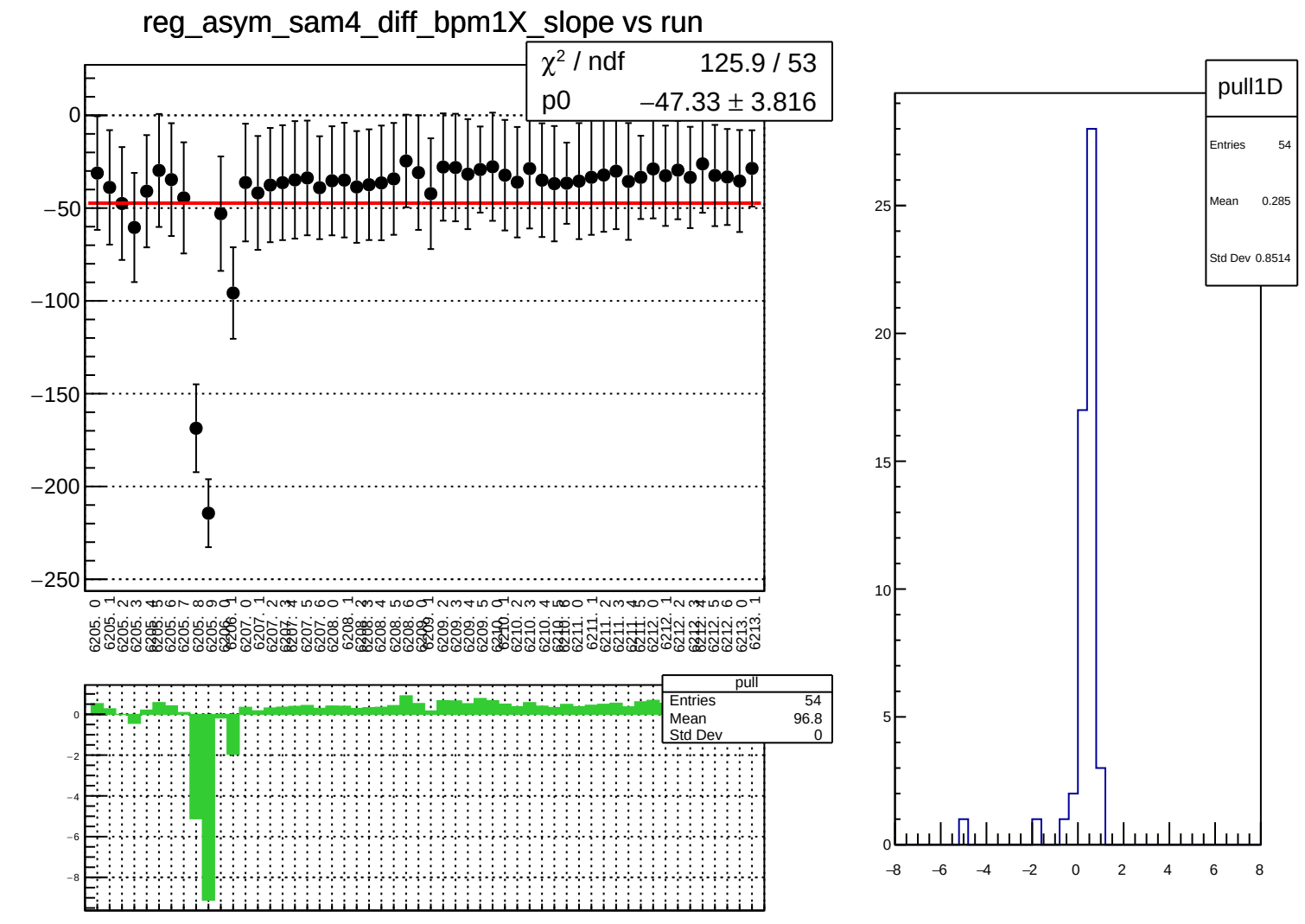

pull1D
Entries 54
Mean −0.02286
Std Dev 0.5898

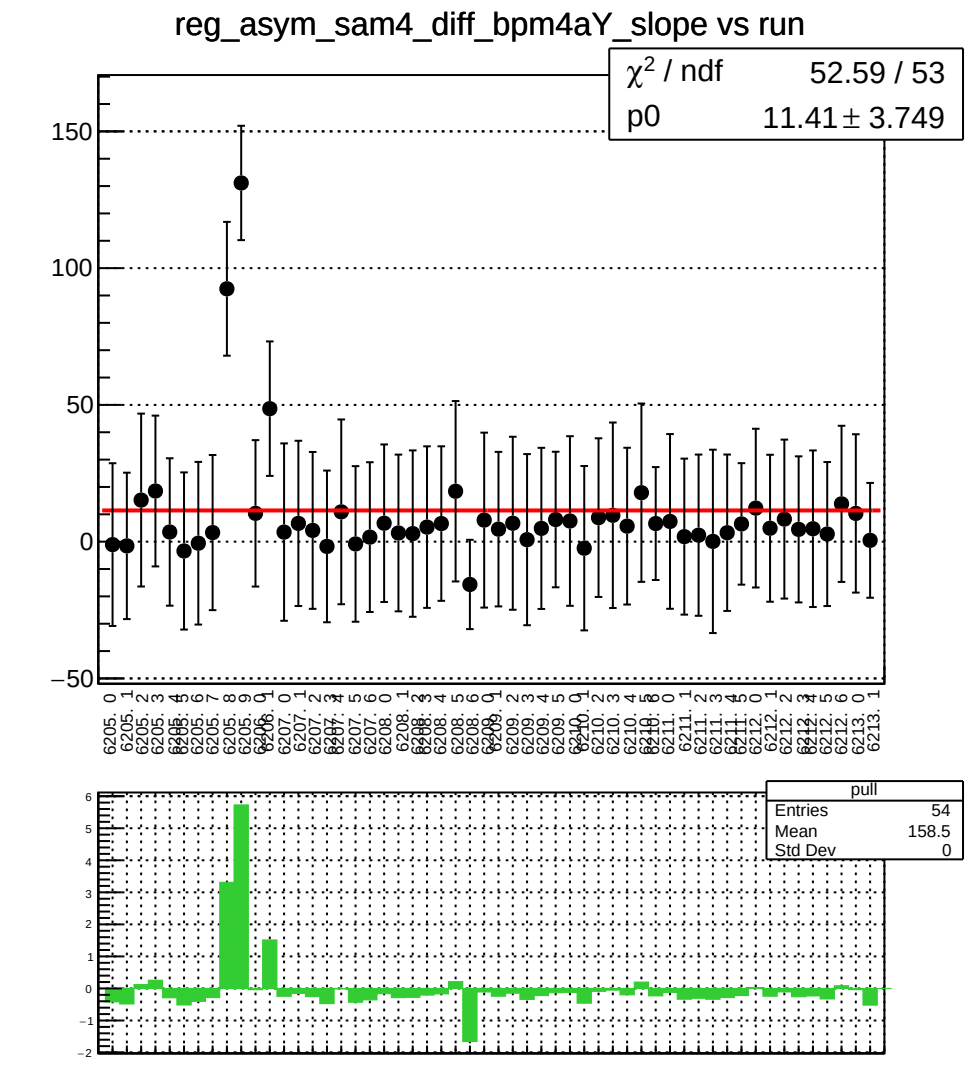

reg_asym_sam3_diff_bpm4eX_slope vs run
χ² / ndf 31.66 / 53
p0 −92.38 ± 2.579
pull
Entries 54
Mean 121.1
Std Dev 0

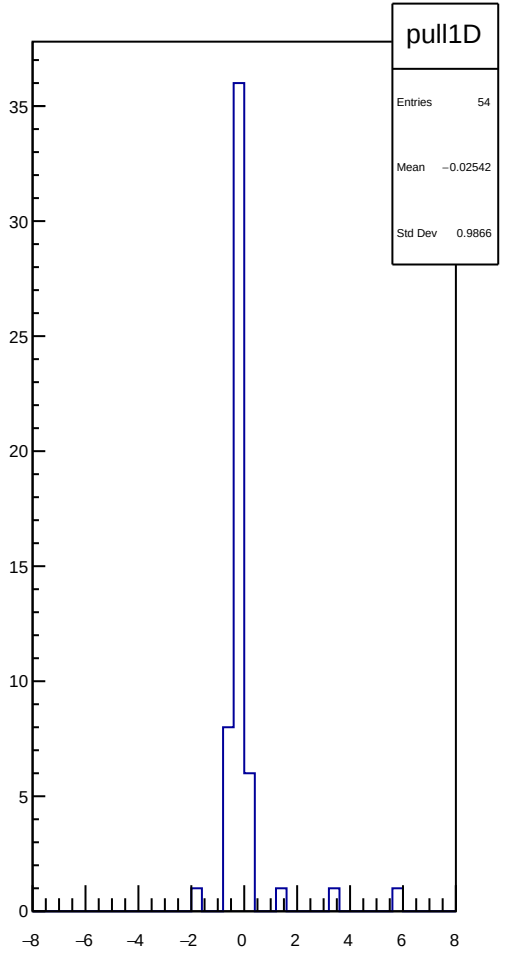

pull1D
Entries 54
Mean −0.04673
Std Dev 0.7642

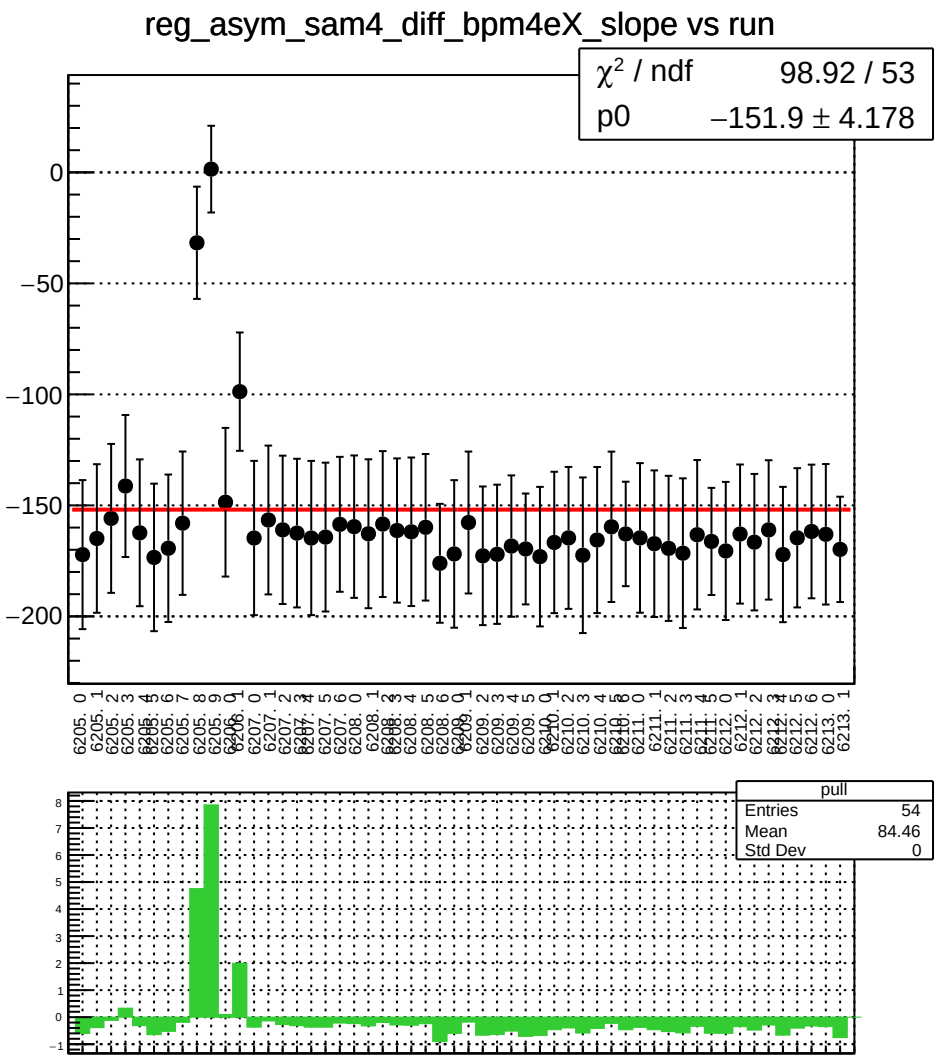

reg_asym_sam3_diff_bpm4eY_slope vs run
χ² / ndf 19.83 / 53
p0 48.39 ± 2.57
pull
Entries 54
Mean 79.81
Std Dev 0
pull1D
Entries 54
Mean 0.02815
Std Dev 0.6053

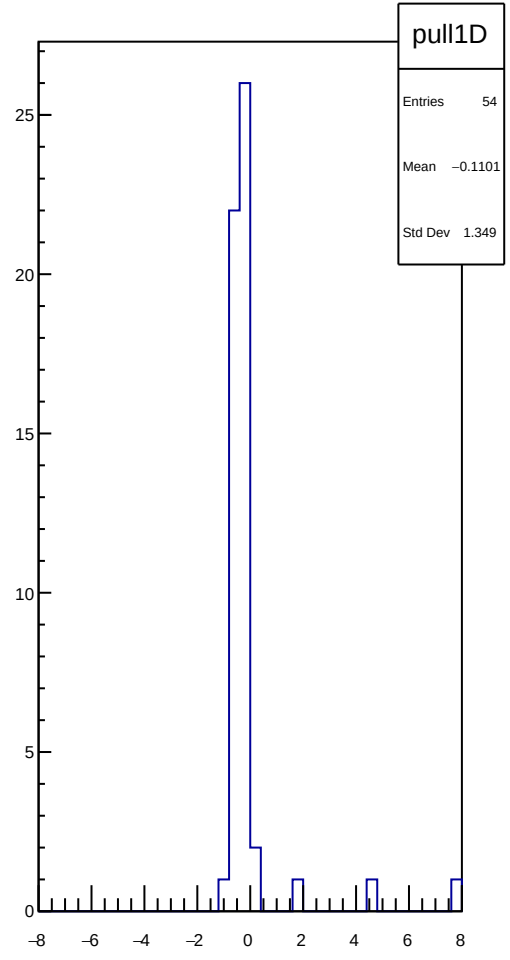

reg_asym_sam3_diff_bpm12X_slope vs run
χ² / ndf 19.35 / 53
p0 −0.5016 ± 0.2119
pull
Entries 54
Mean 1366
Std Dev 0
pull1D
Entries 54
Mean 0.002941
Std Dev 0.5987

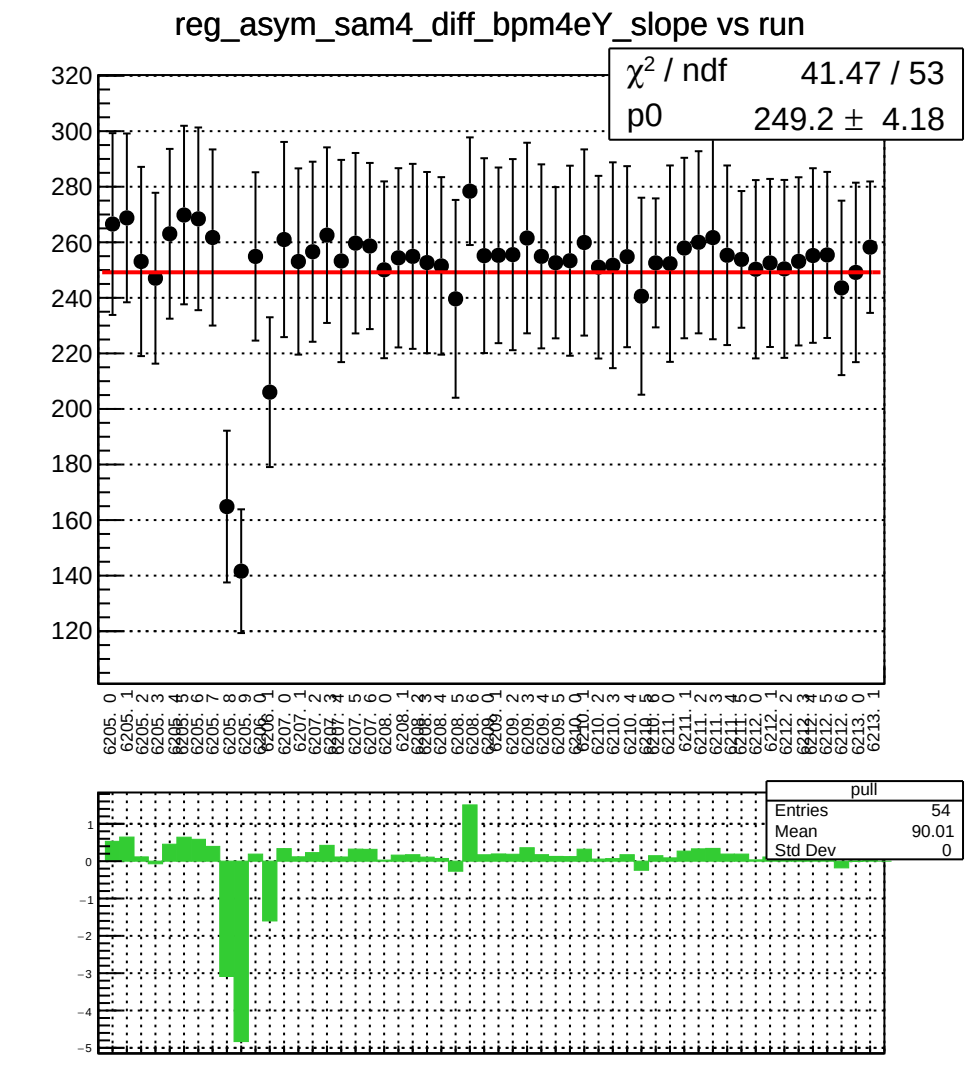

reg_asym_sam4_diff_bpm1X_slope vs run
χ² / ndf 125.9 / 53
p0 −47.33 ± 3.816
pull
Entries 54
Mean 96.8
Std Dev 0
pull1D
Entries 54
Mean 0.285
Std Dev 0.8514

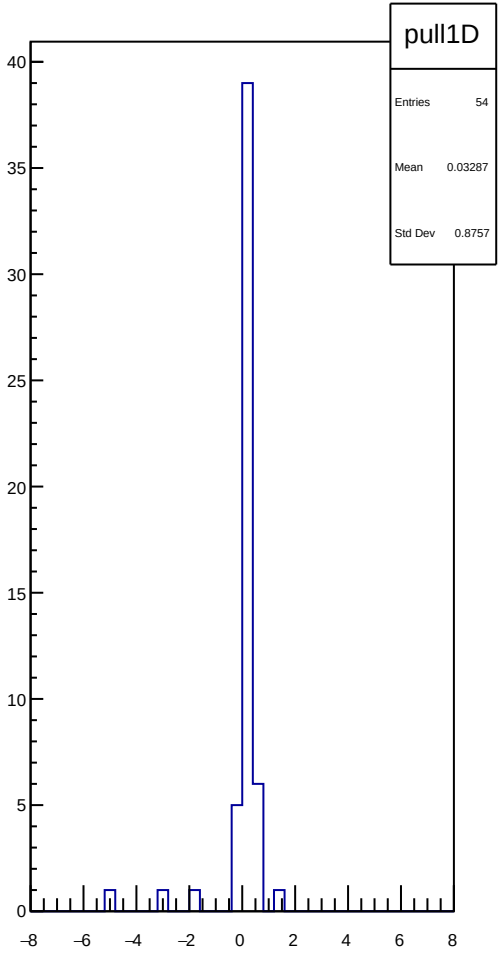

reg_asym_sam4_diff_bpm4aY_slope vs run
χ² / ndf 52.59 / 53
p0 11.41 ± 3.749
150
100
50
0
−50
pull
Entries 54
Mean 158.5
Std Dev 0
6
5
4
3
2
1
0
−1
−2

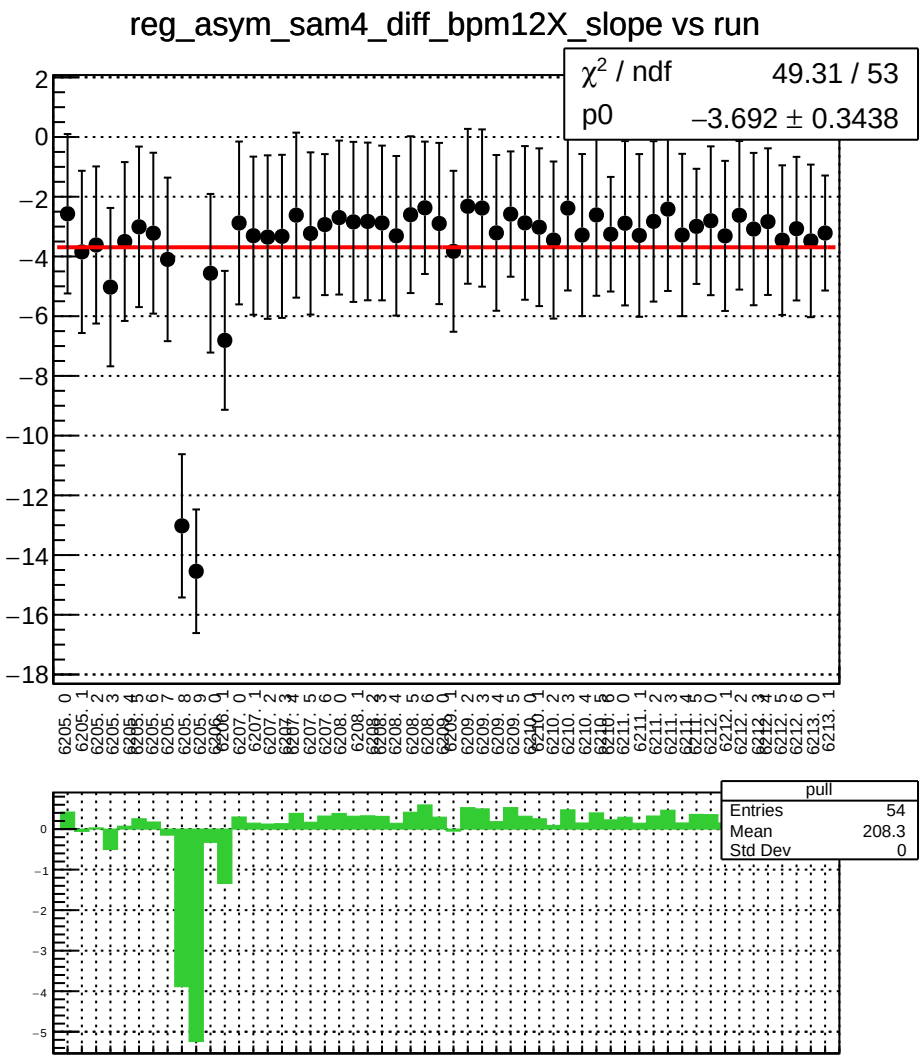

pull1D
Entries 54
Mean −0.02542
Std Dev 0.9866
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

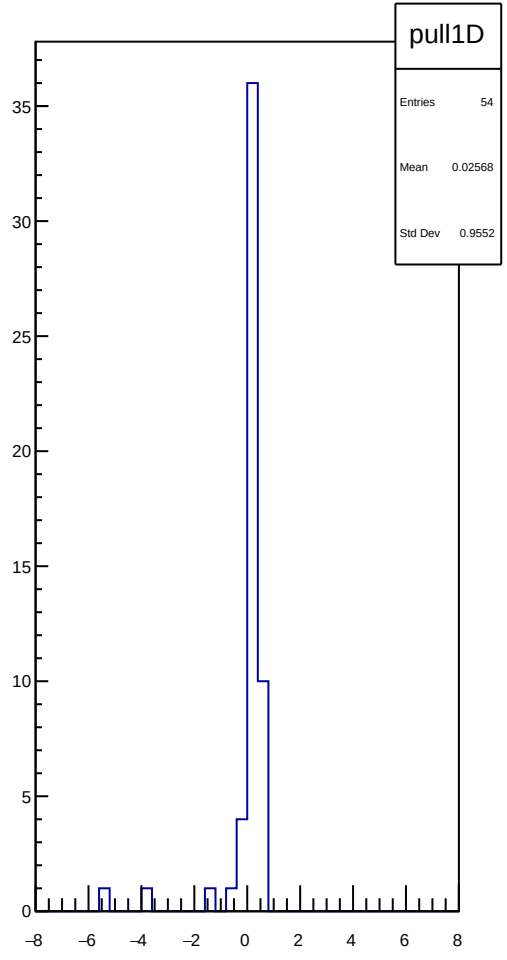

reg_asym_sam4_diff_bpm4eX_slope vs run
χ² / ndf 98.92 / 53
p0 −151.9 ± 4.178
pull
Entries 54
Mean 84.46
Std Dev 0

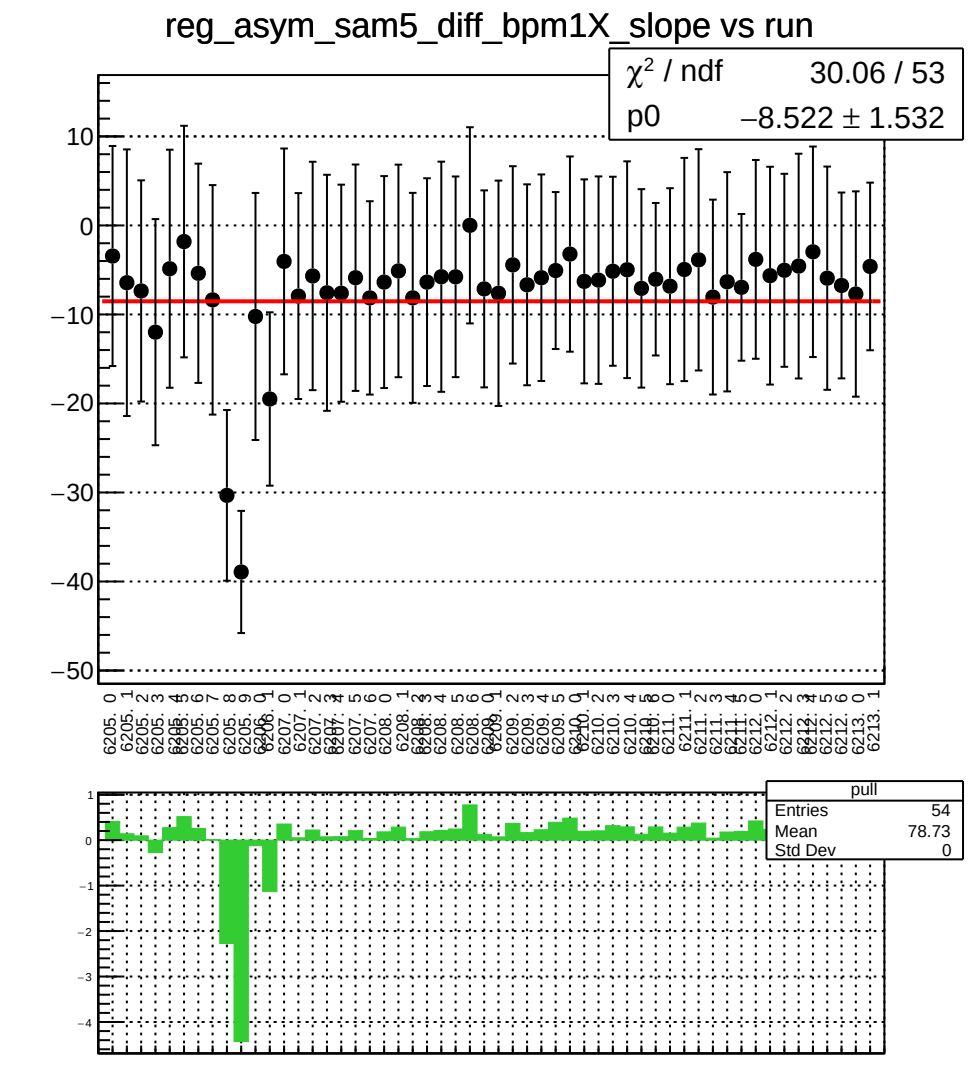

pull1D
Entries 54
Mean −0.1101
Std Dev 1.349

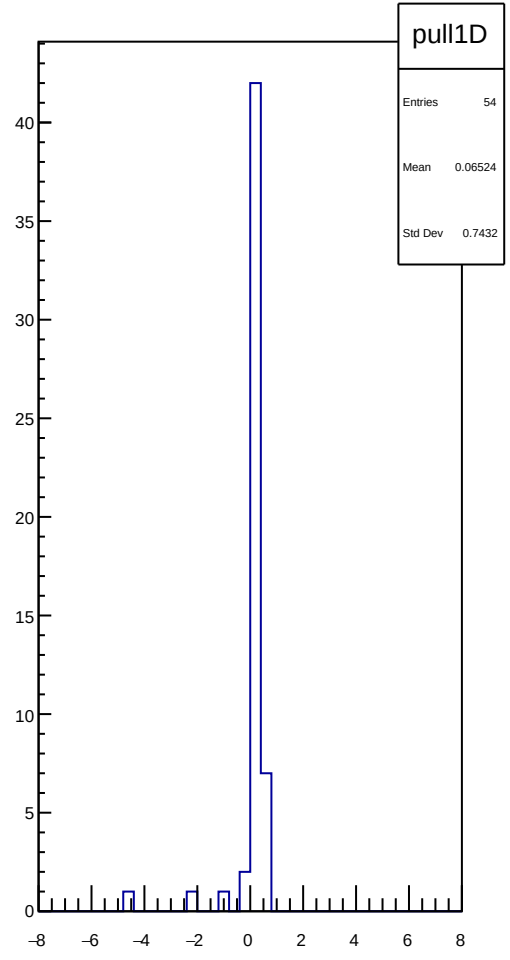

reg_asym_sam4_diff_bpm4eY_slope vs run
χ² / ndf 41.47 / 53
p0 249.2 ± 4.18
pull
Entries 54
Mean 90.01
Std Dev 0

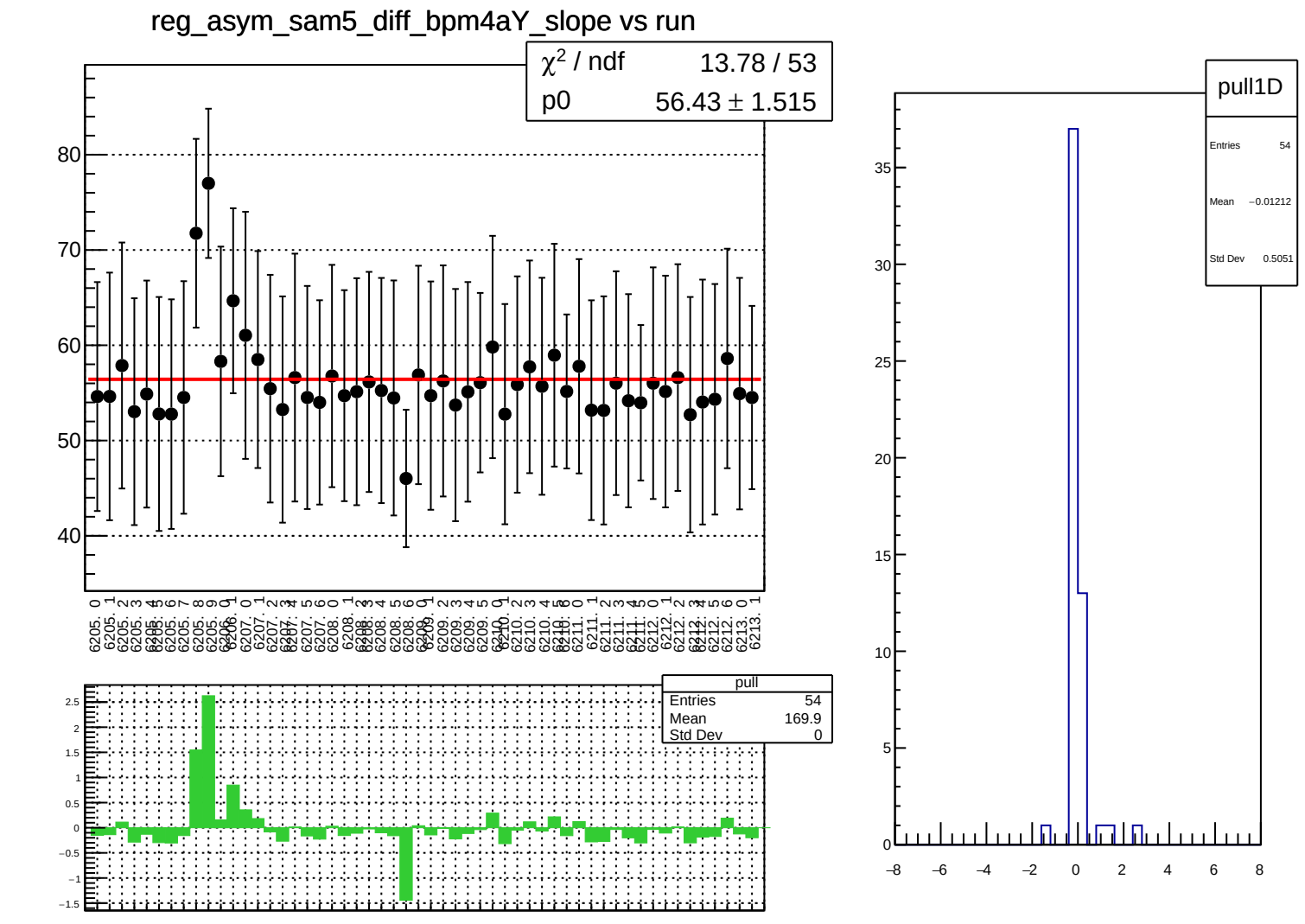

pull1D
Entries 54
Mean 0.03287
Std Dev 0.8757

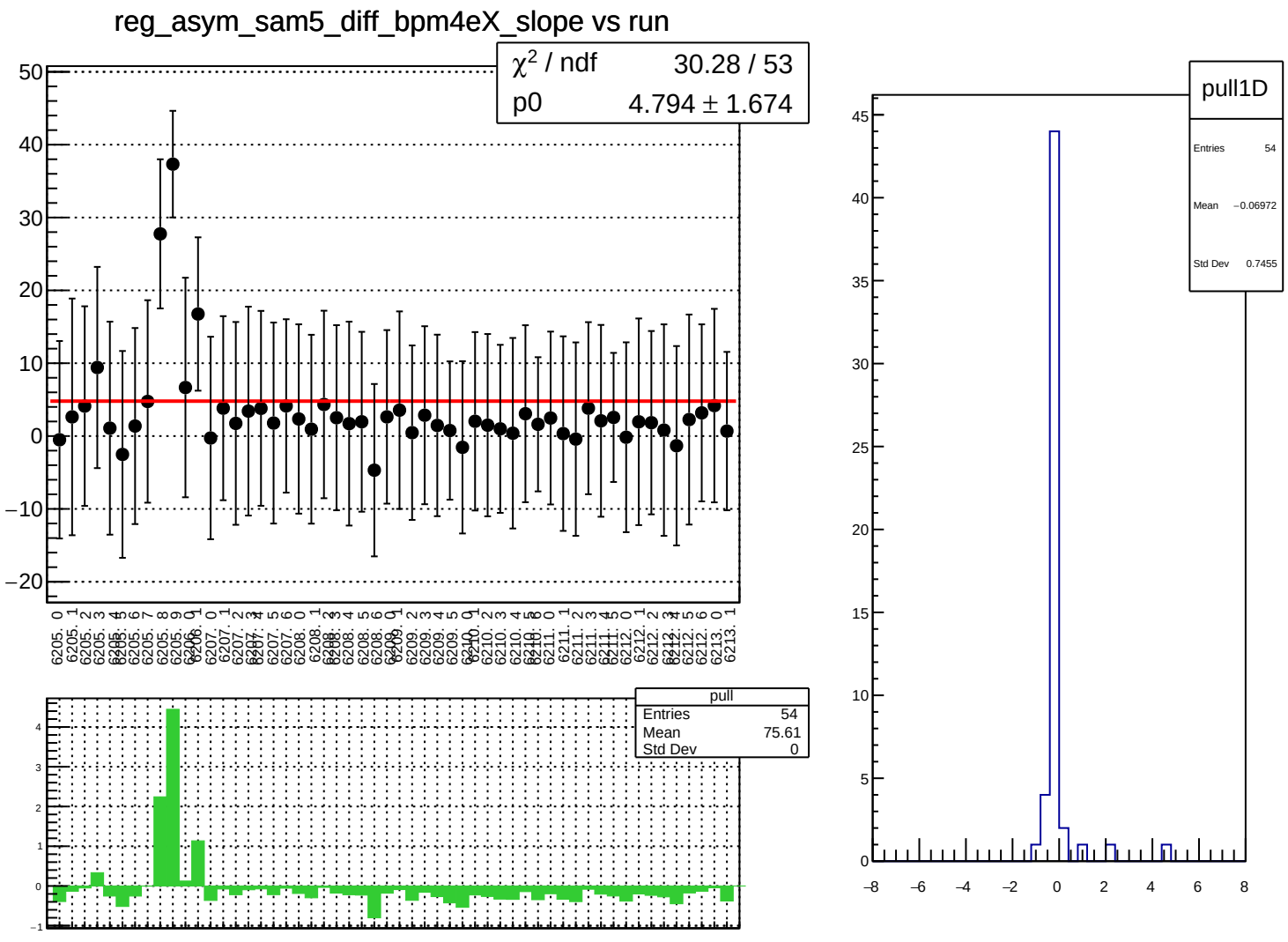

reg_asym_sam4_diff_bpm12X_slope vs run
χ² / ndf 49.31 / 53
p0 −3.692 ± 0.3438
pull
Entries 54
Mean 208.3
Std Dev 0

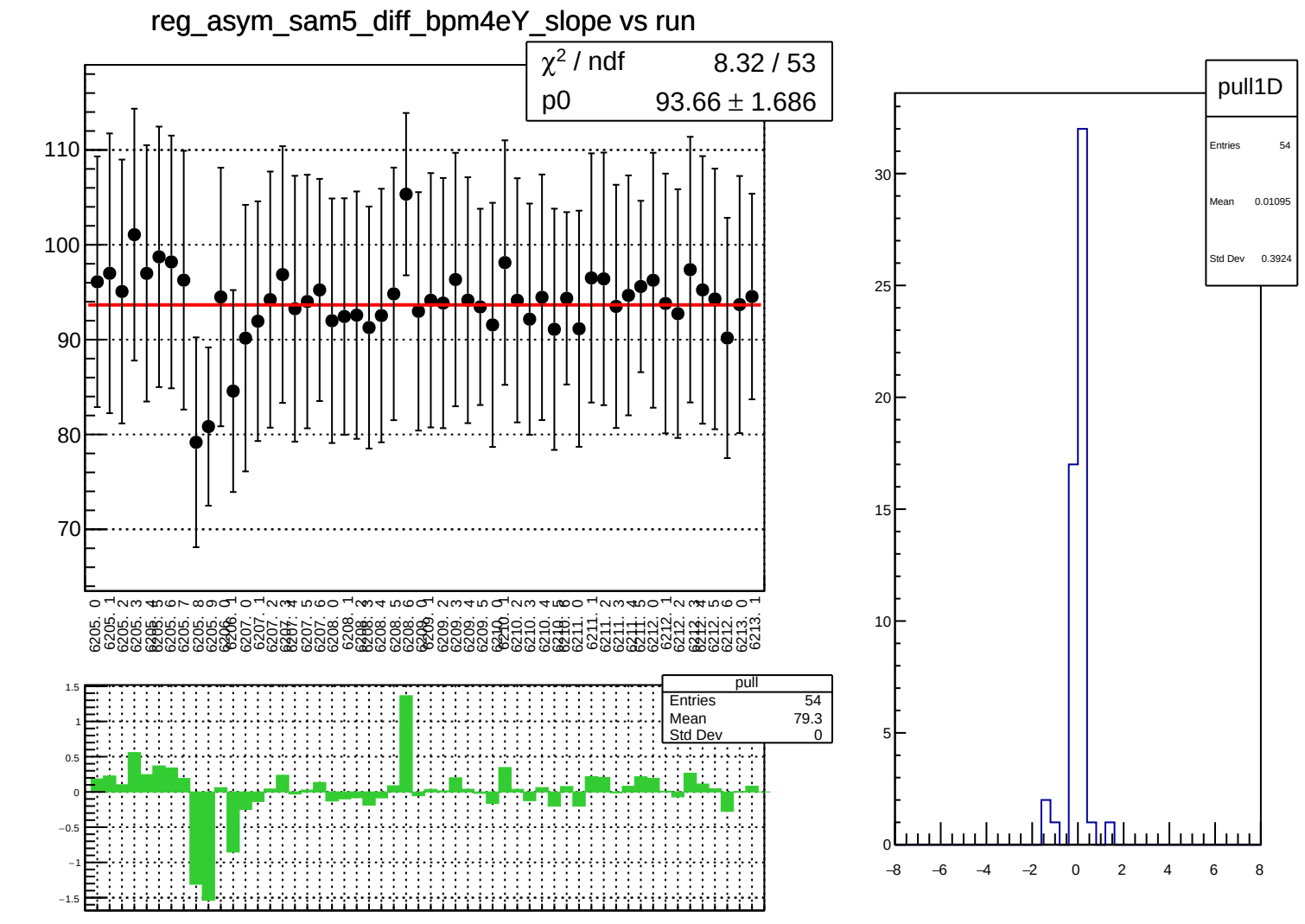

pull1D
Entries 54
Mean 0.02568
Std Dev 0.9552

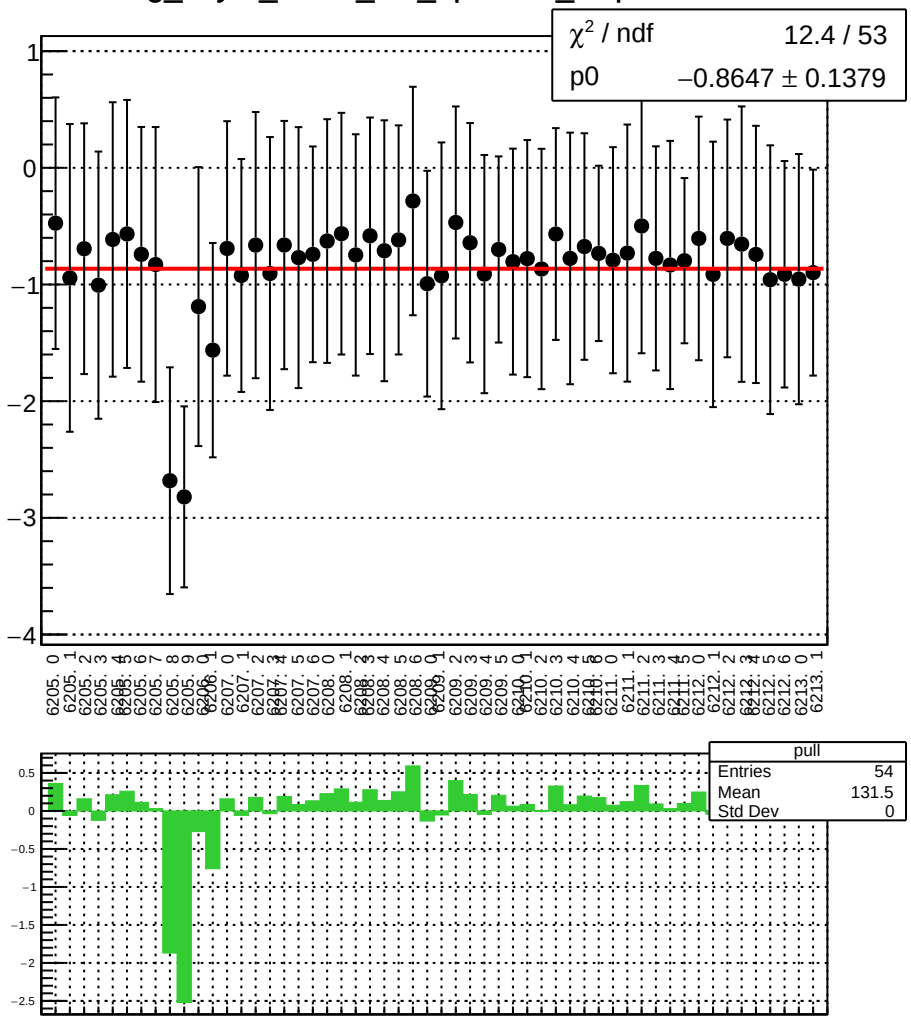

reg_asym_sam5_diff_bpm1X_slope vs run
χ² / ndf 30.06 / 53
p0 −8.522 ± 1.532
pull
Entries 54
Mean 78.73
Std Dev 0

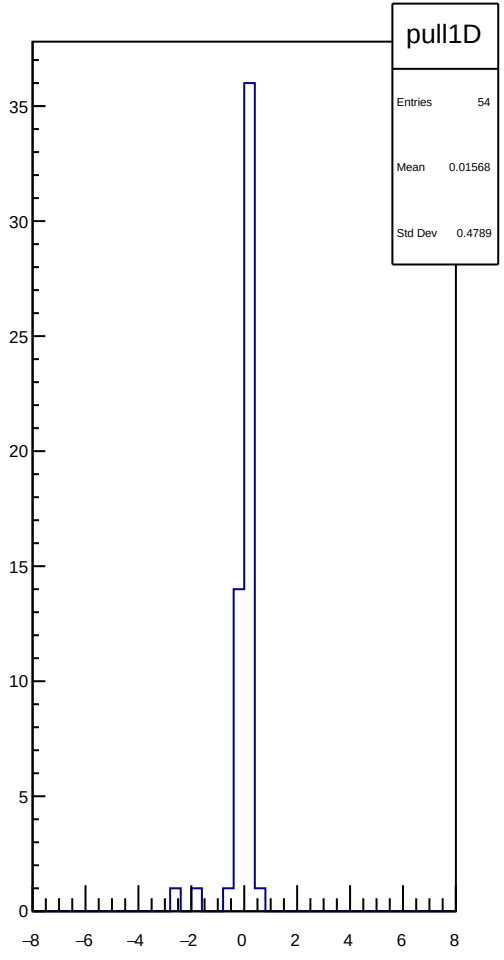

pull1D
Entries 54
Mean 0.06524
Std Dev 0.7432

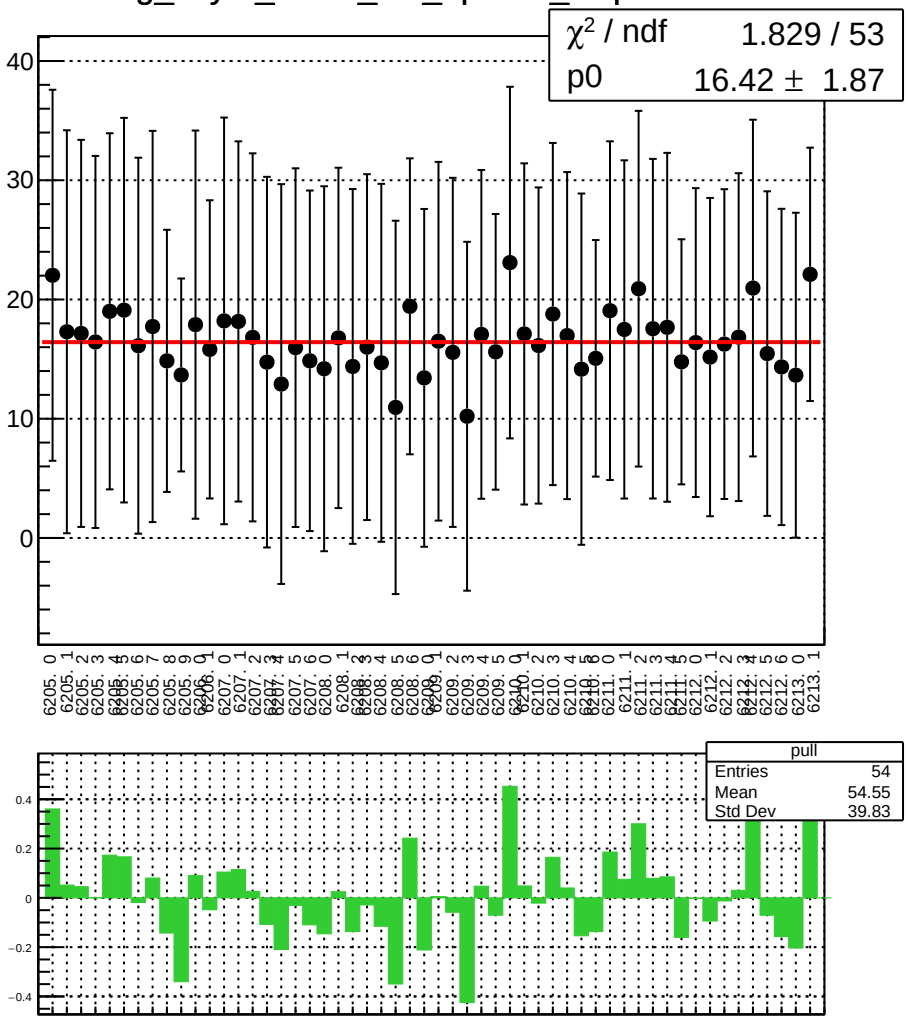

reg_asym_sam5_diff_bpm4aY_slope vs run
χ² / ndf 13.78 / 53
p0 56.43 ± 1.515
pull
Entries 54
Mean 169.9
Std Dev 0
pull1D
Entries 54
Mean −0.01212
Std Dev 0.5051

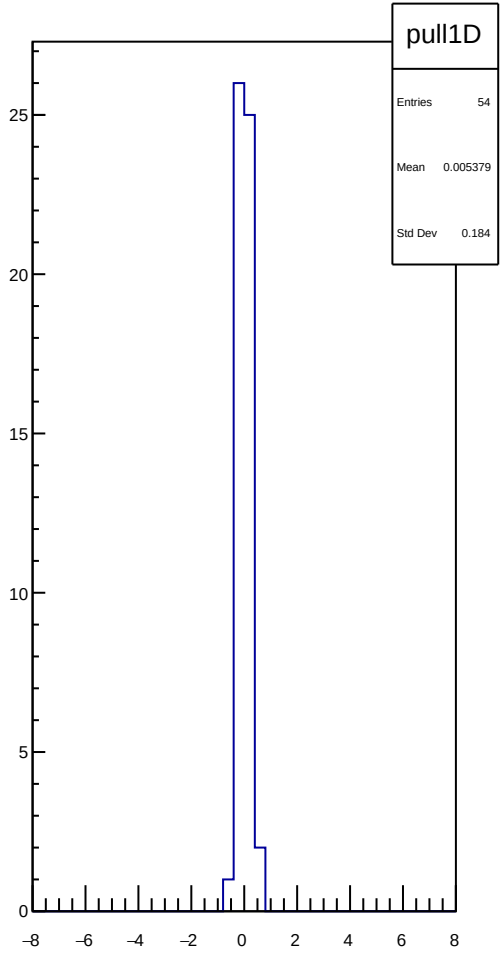

reg_asym_sam5_diff_bpm4eX_slope vs run
χ² / ndf 30.28 / 53
p0 4.794 ± 1.674
pull
Entries 54
Mean 75.61
Std Dev 0
pull1D
Entries 54
Mean −0.06972
Std Dev 0.7455

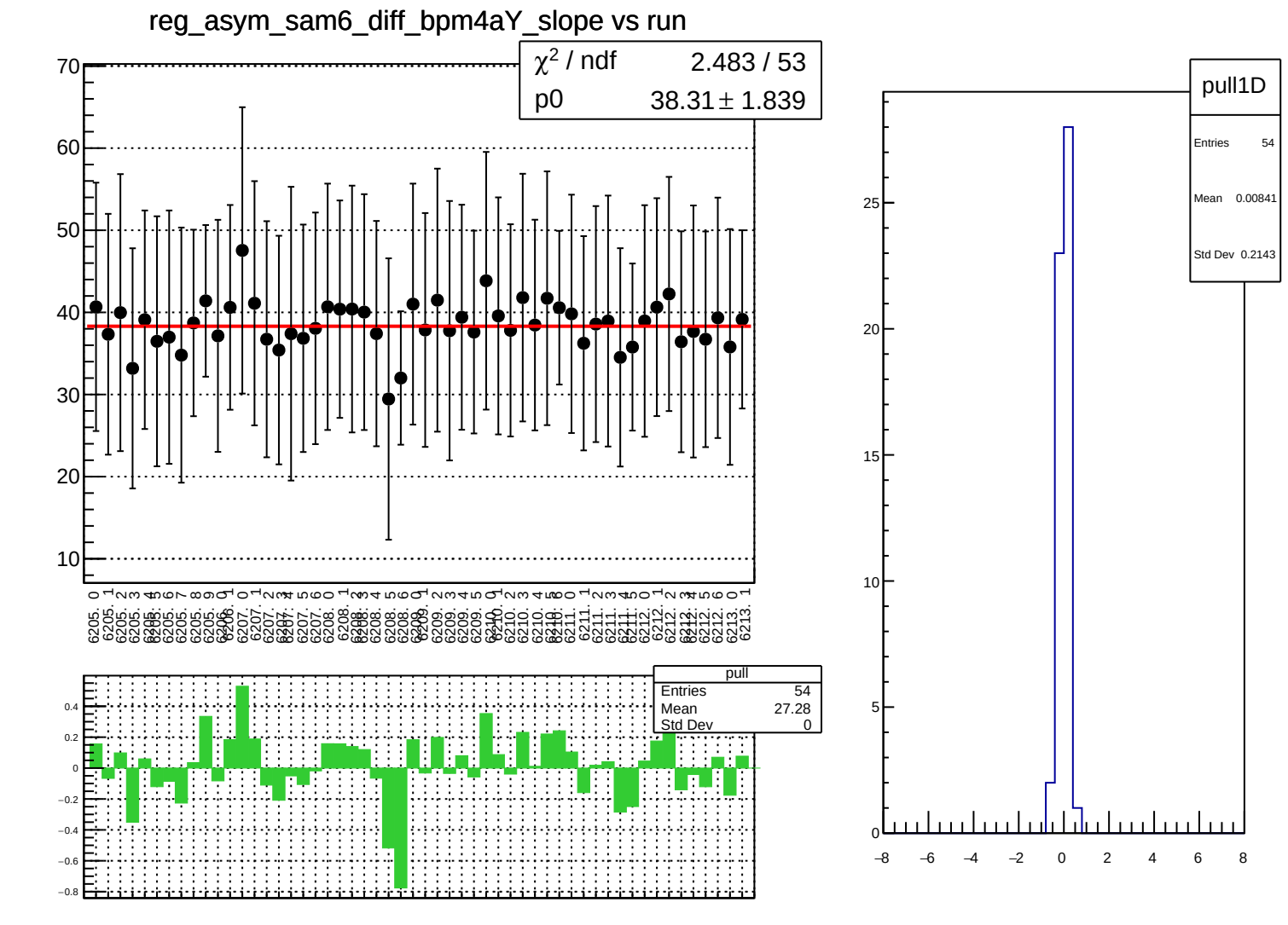

reg_asym_sam5_diff_bpm4eY_slope vs run
χ² / ndf 8.32 / 53
p0 93.66 ± 1.686
110
100
90
80
70
pull
Entries 54
Mean 79.3
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 54
Mean 0.01095
Std Dev 0.3924
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

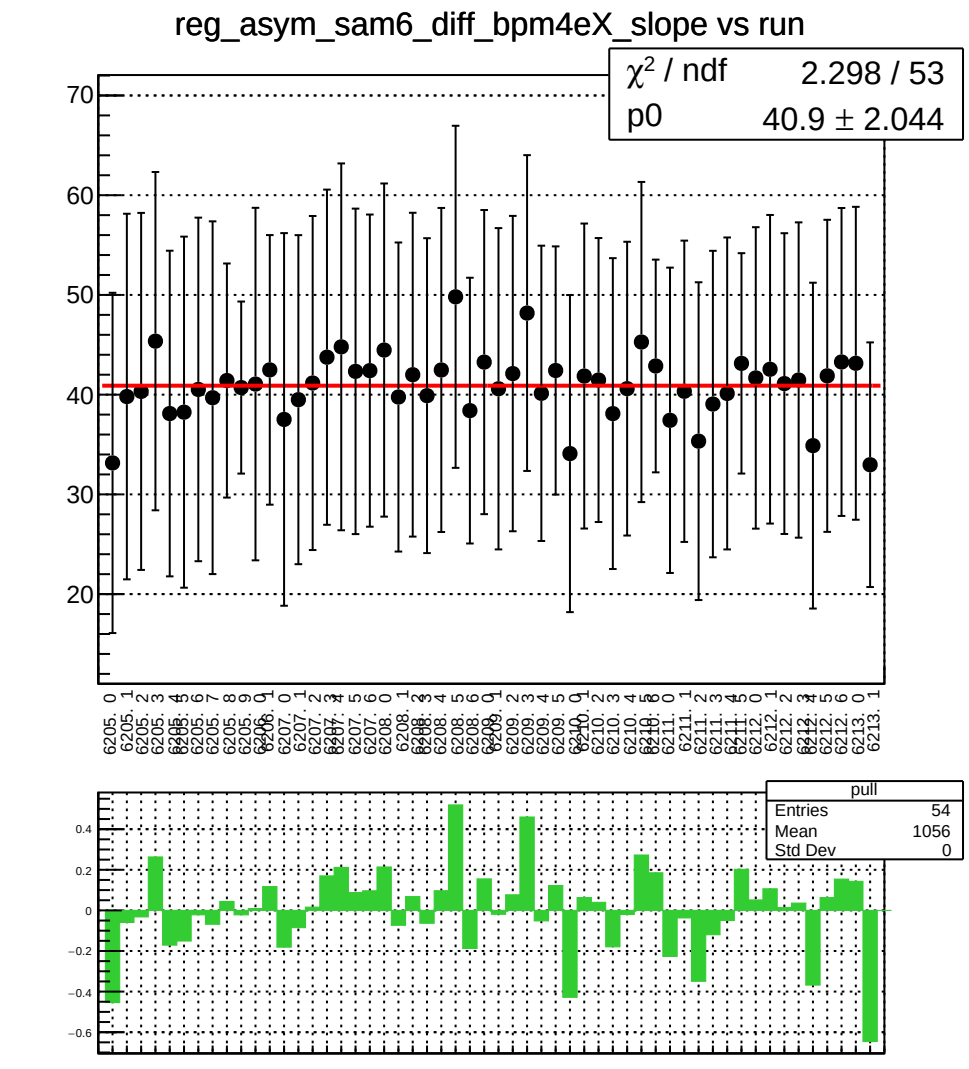

reg_asym_sam5_diff_bpm12X_slope vs run
χ² / ndf 12.4 / 53
p0 −0.8647 ± 0.1379
pull
Entries 54
Mean 131.5
Std Dev 0

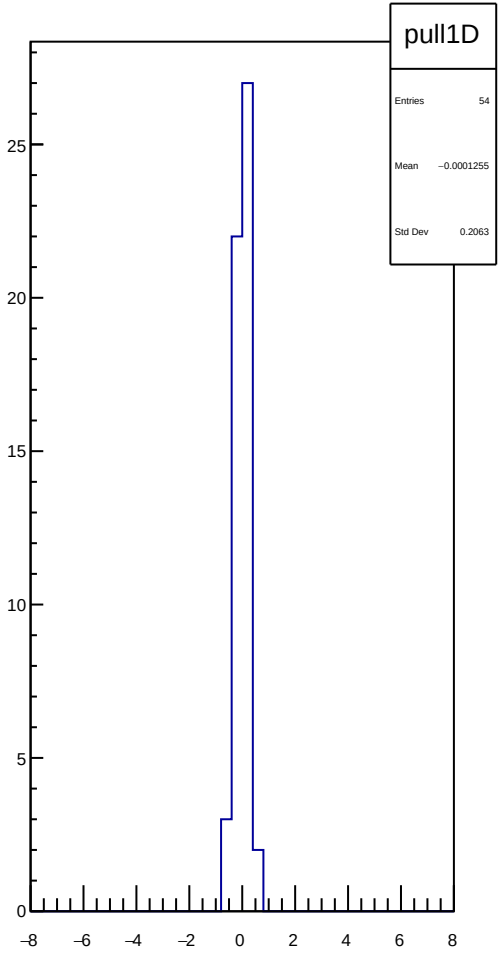

pull1D
Entries 54
Mean 0.01568
Std Dev 0.4789

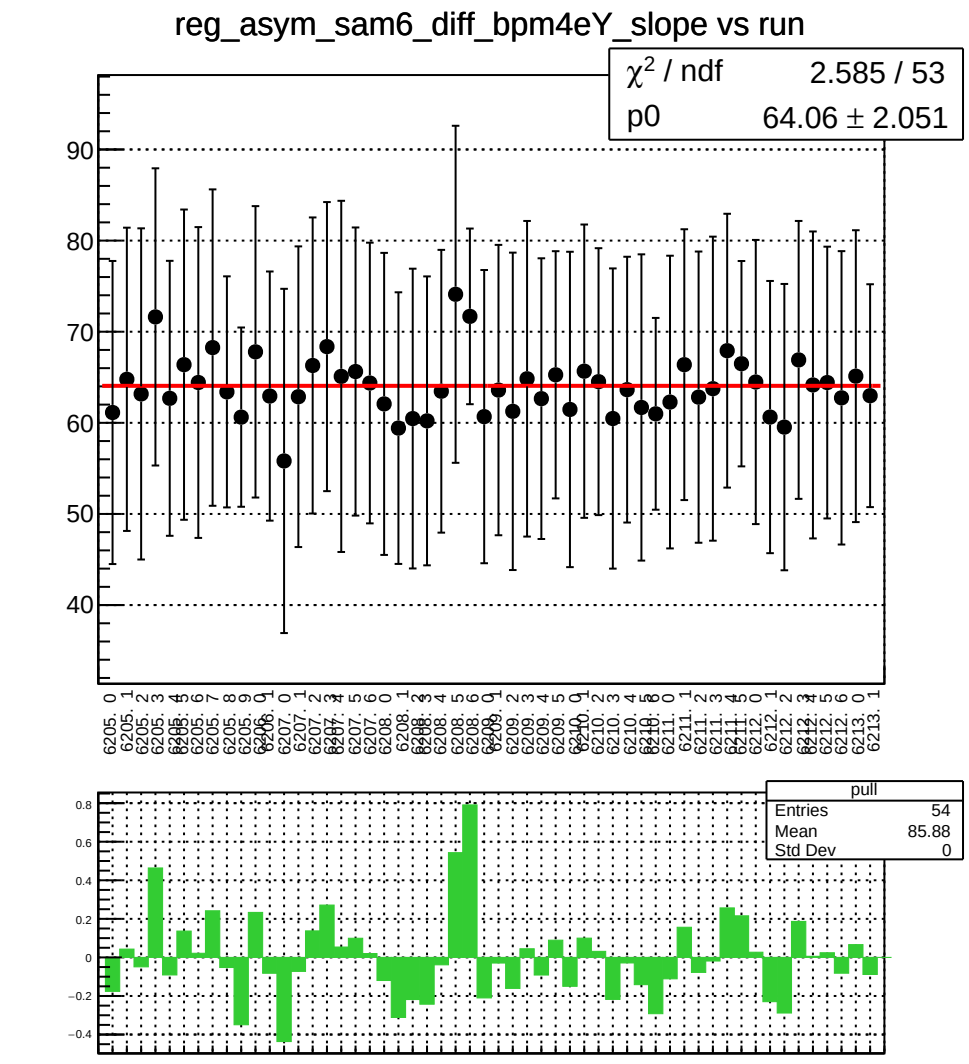

reg_asym_sam6_diff_bpm1X_slope vs run
χ² / ndf 1.829 / 53
p0 16.42 ± 1.87
pull
Entries 54
Mean 54.55
Std Dev 39.83

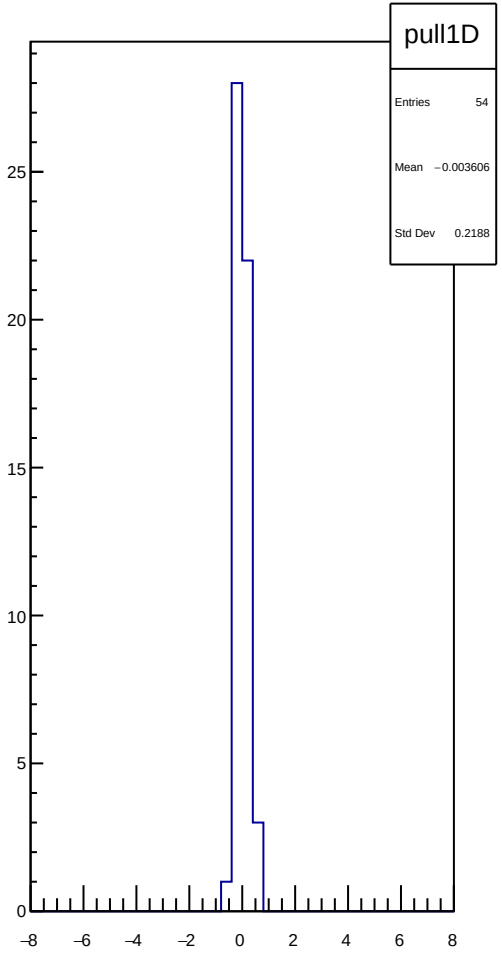

pull1D
Entries 54
Mean 0.005379
Std Dev 0.184

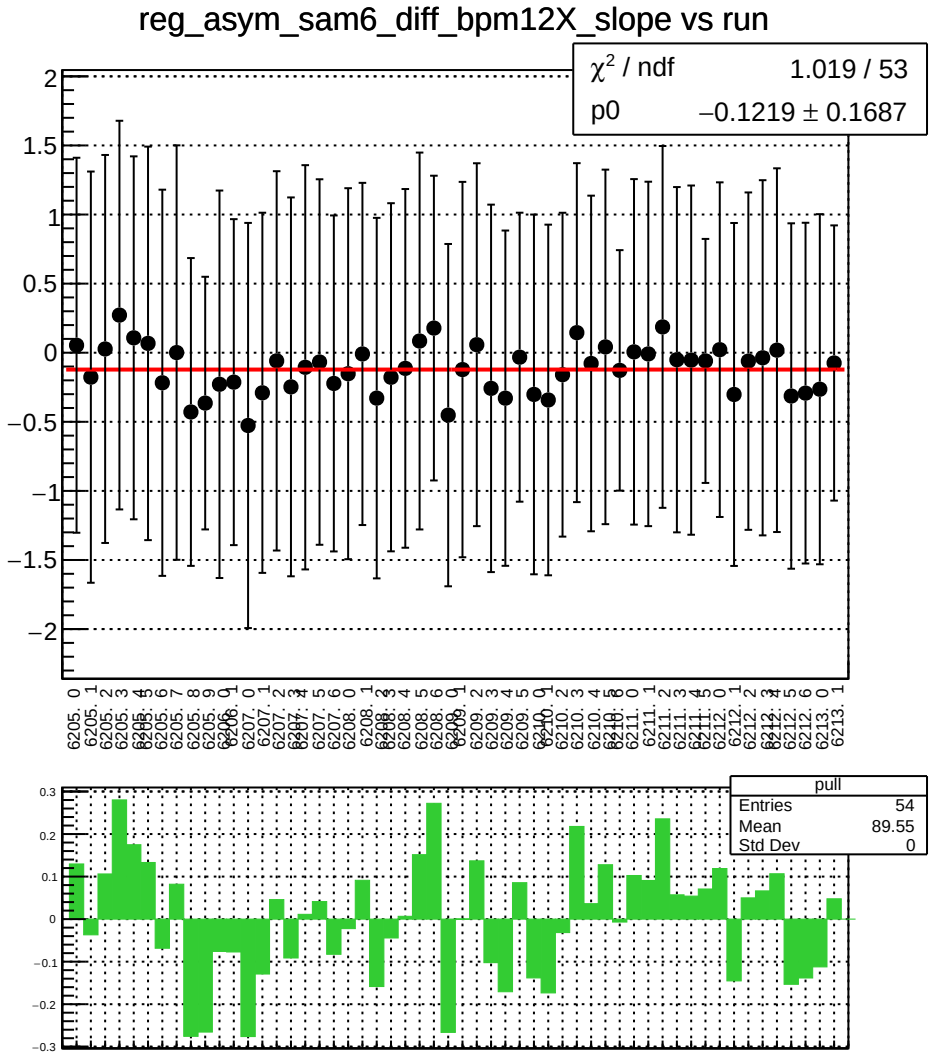

reg_asym_sam6_diff_bpm4aY_slope vs run
χ² / ndf 2.483 / 53
p0 38.31 ± 1.839
pull
Entries 54
Mean 27.28
Std Dev 0
pull1D
Entries 54
Mean 0.00841
Std Dev 0.2143

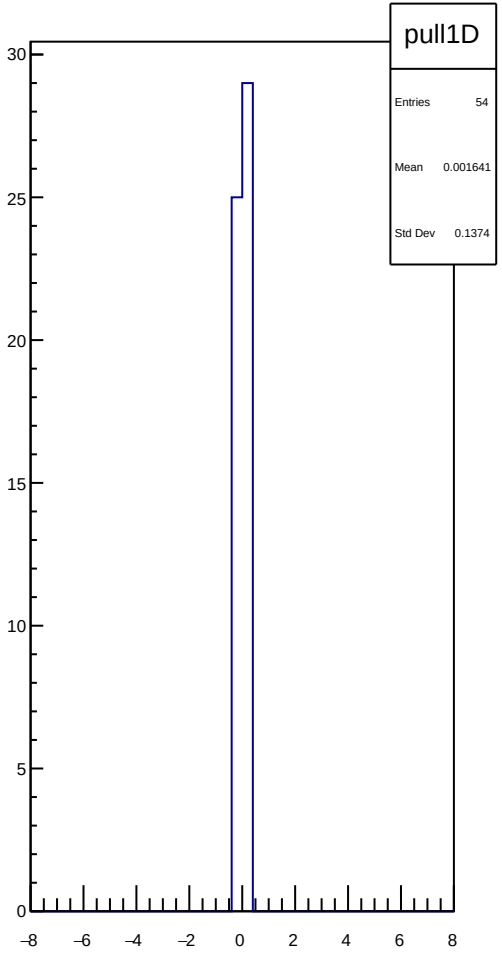

reg_asym_sam6_diff_bpm4eX_slope vs run
χ² / ndf 2.298 / 53
p0 40.9 ± 2.044
pull
Entries 54
Mean 1056
Std Dev 0

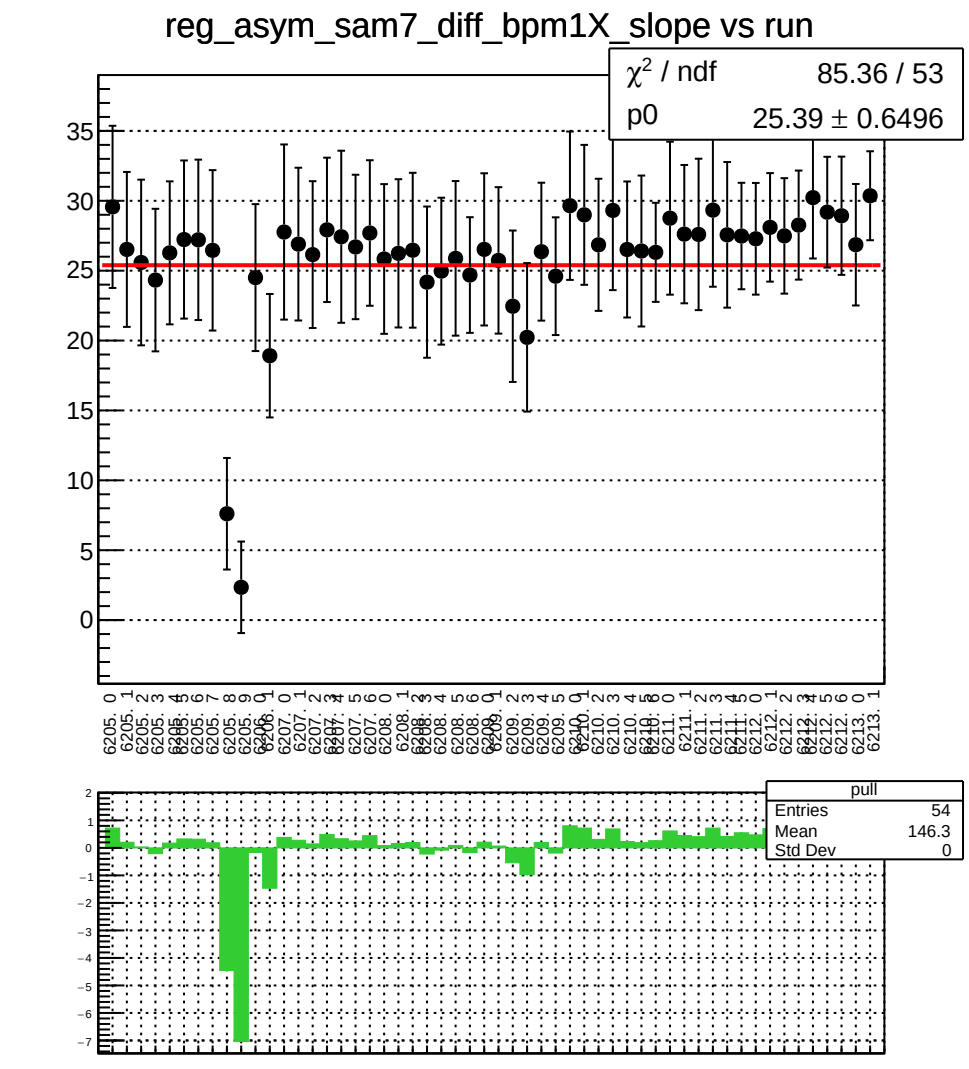

pull1D
Entries 54
Mean −0.0001255
Std Dev 0.2063

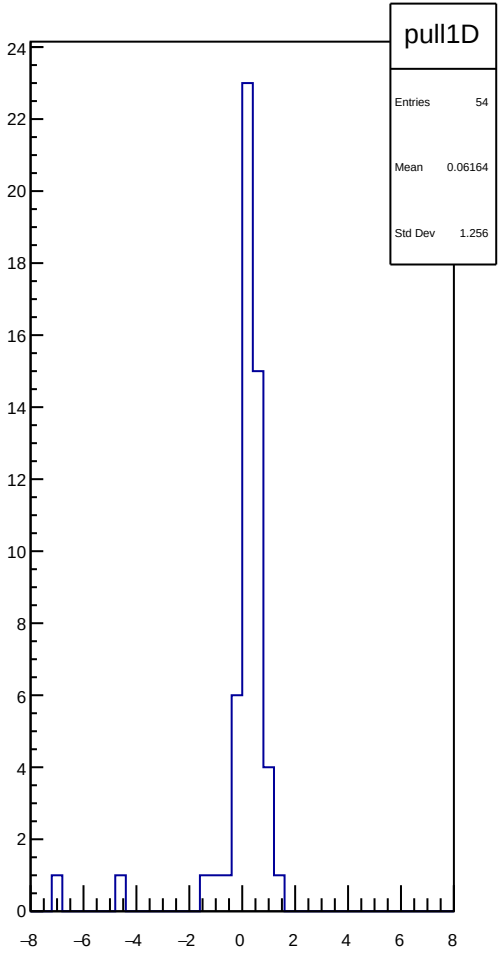

reg_asym_sam6_diff_bpm4eY_slope vs run
χ² / ndf 2.585 / 53
p0 64.06 ± 2.051
pull
Entries 54
Mean 85.88
Std Dev 0

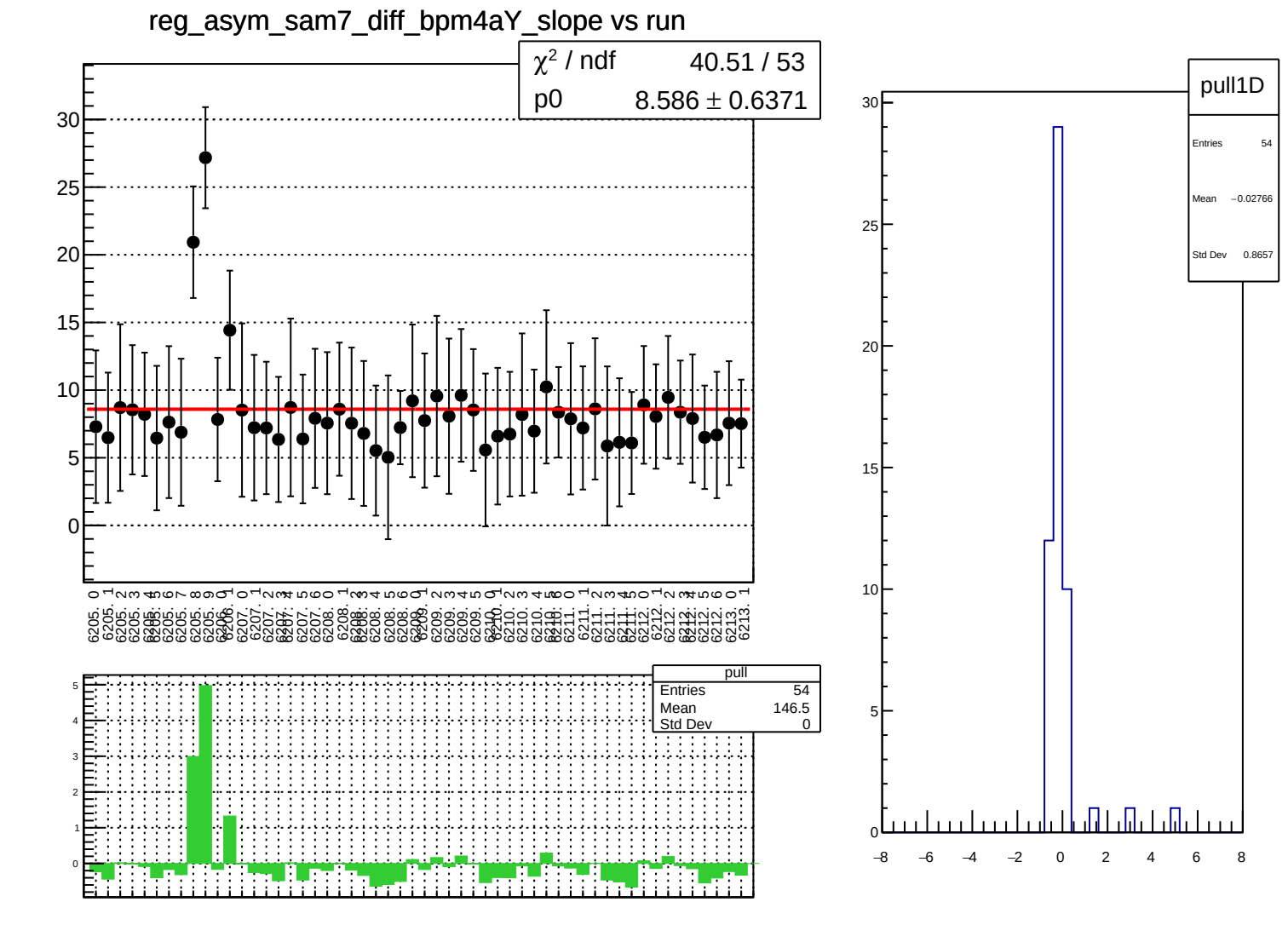

pull1D
Entries 54
Mean −0.003606
Std Dev 0.2188

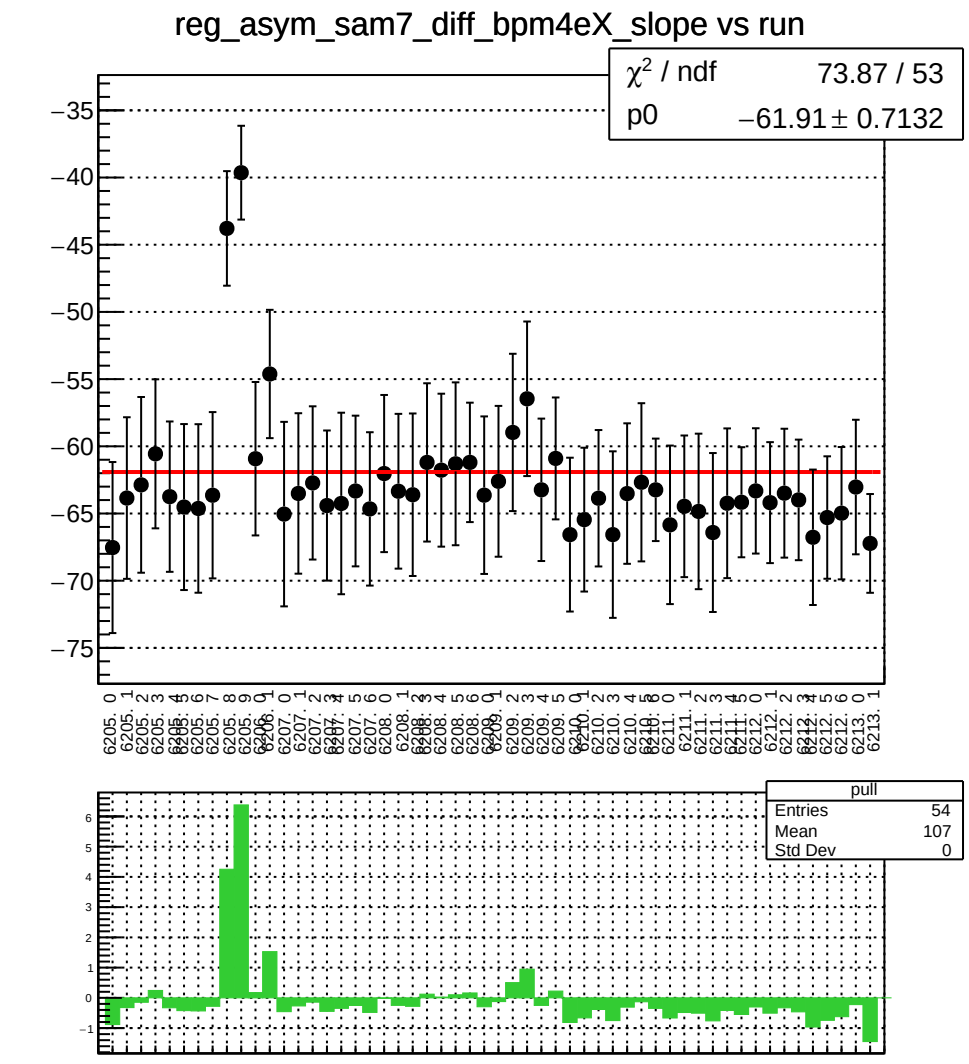

reg_asym_sam6_diff_bpm12X_slope vs run
χ² / ndf 1.019 / 53
p0 −0.1219 ± 0.1687
pull
Entries 54
Mean 89.55
Std Dev 0

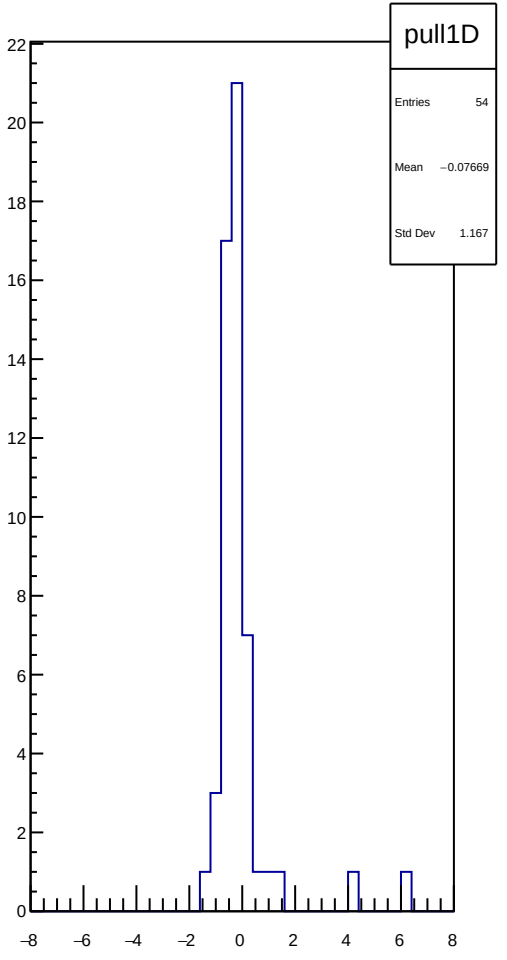

pull1D
Entries 54
Mean 0.001641
Std Dev 0.1374

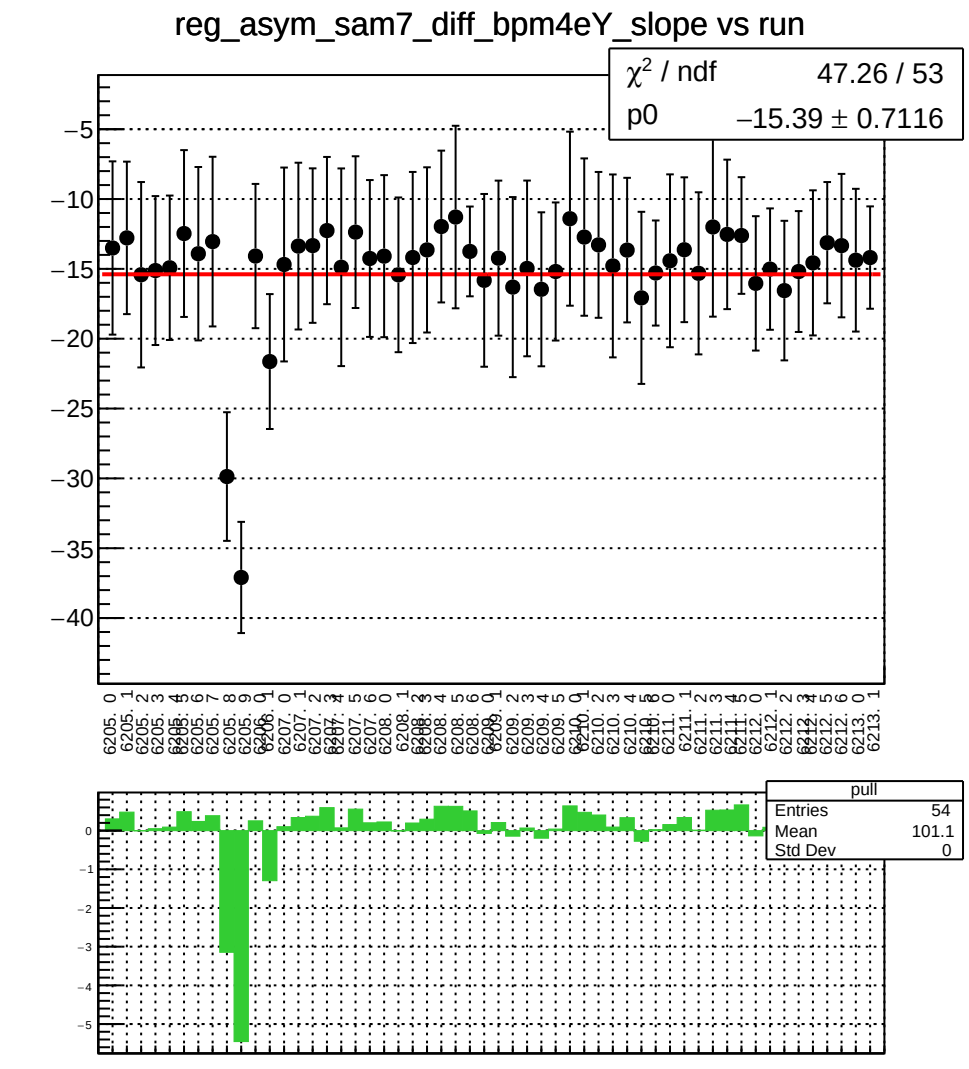

reg_asym_sam7_diff_bpm1X_slope vs run
χ² / ndf 85.36 / 53
p0 25.39 ± 0.6496
pull
Entries 54
Mean 146.3
Std Dev 0

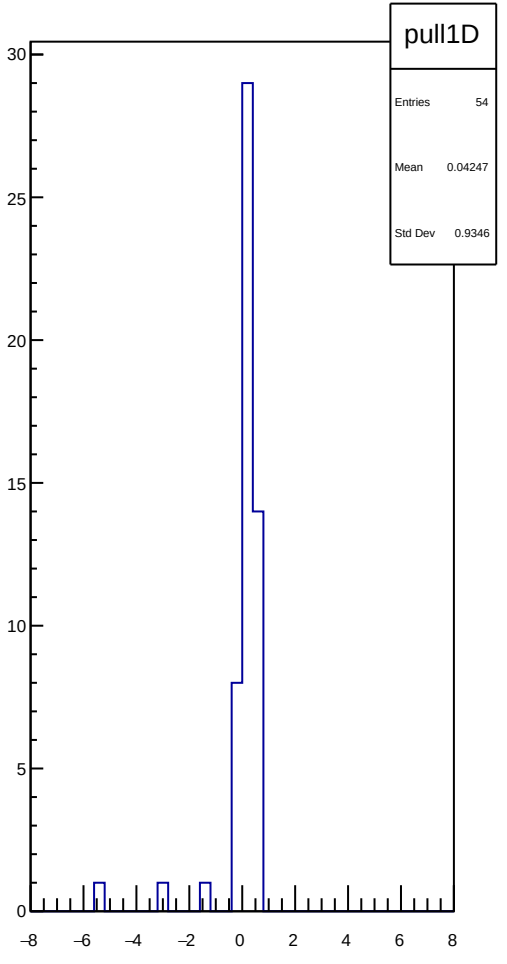

pull1D
Entries 54
Mean 0.06164
Std Dev 1.256

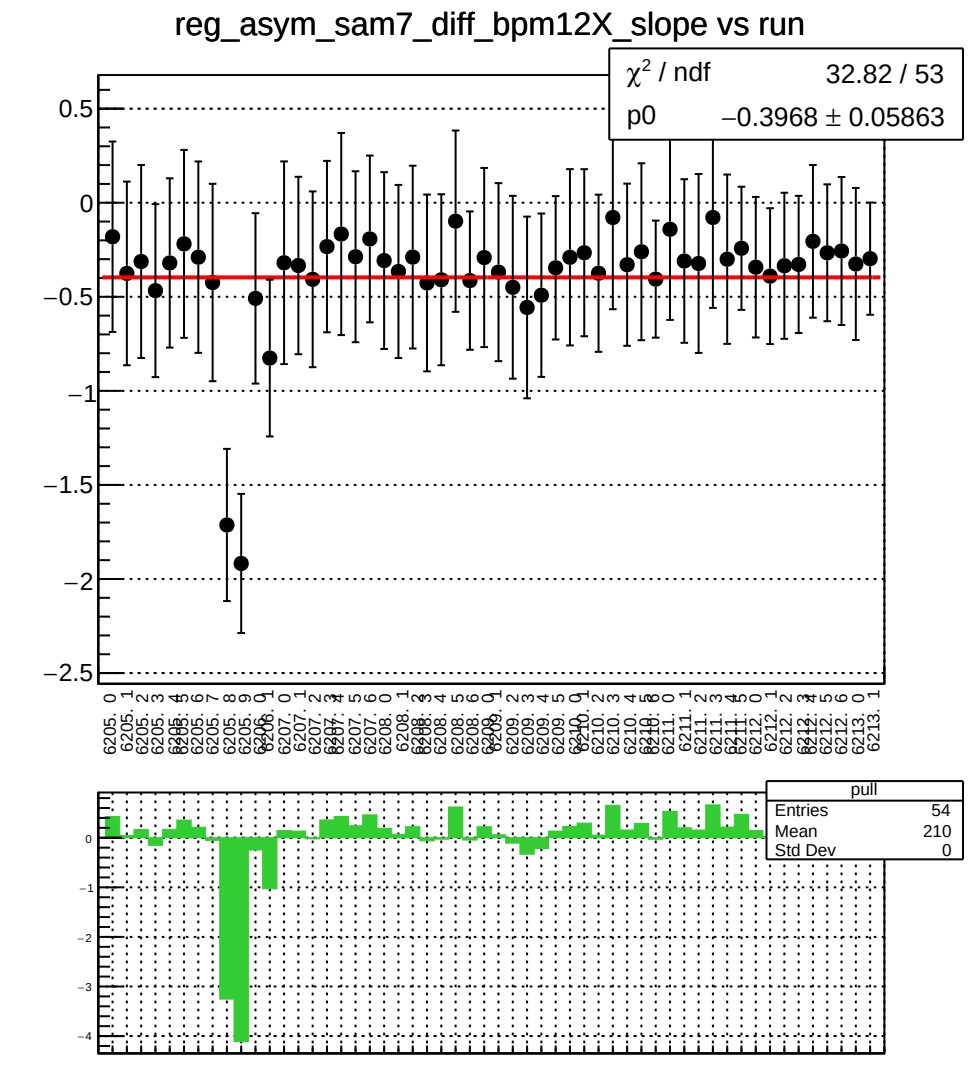

reg_asym_sam7_diff_bpm4aY_slope vs run
χ² / ndf 40.51 / 53
p0 8.586 ± 0.6371
pull
Entries 54
Mean 146.5
Std Dev 0
pull1D
Entries 54
Mean −0.02766
Std Dev 0.8657

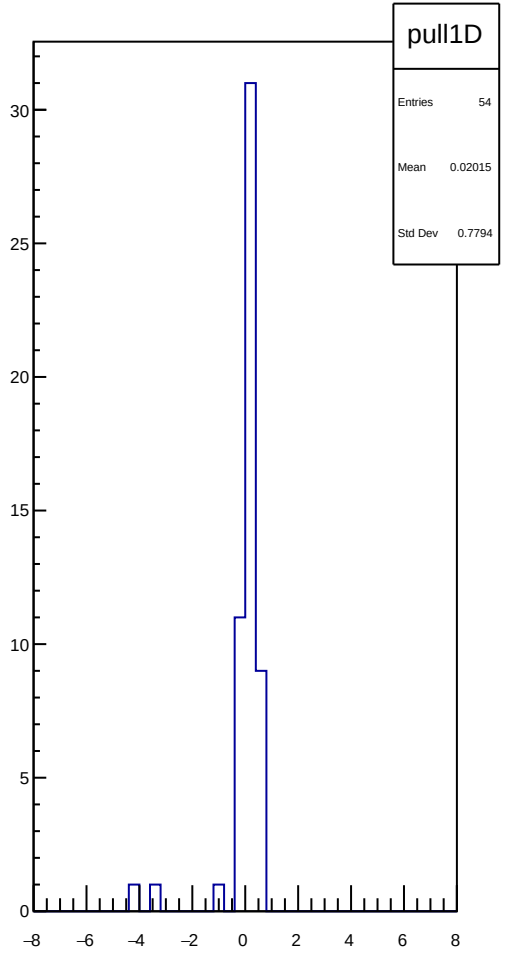

reg_asym_sam7_diff_bpm4eX_slope vs run
χ^2 / ndf 73.87 / 53
p0 −61.91 ± 0.7132
pull
Entries 54
Mean 107
Std Dev 0

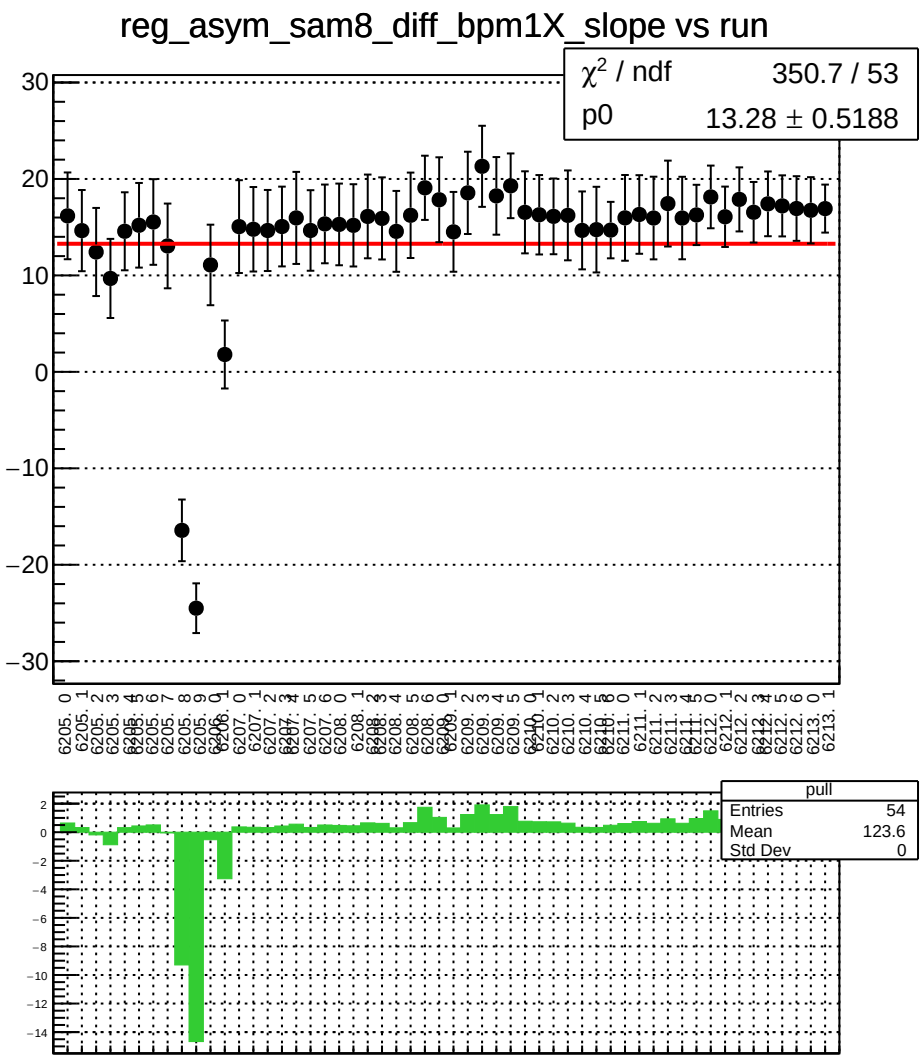

pull1D
Entries 54
Mean −0.07669
Std Dev 1.167

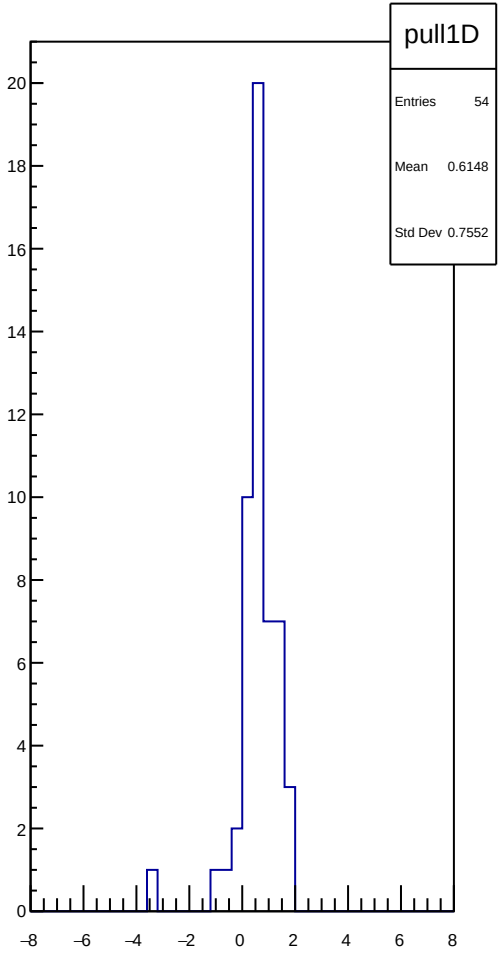

reg_asym_sam7_diff_bpm4eY_slope vs run
χ² / ndf 47.26 / 53
p0 −15.39 ± 0.7116
pull
Entries 54
Mean 101.1
Std Dev 0

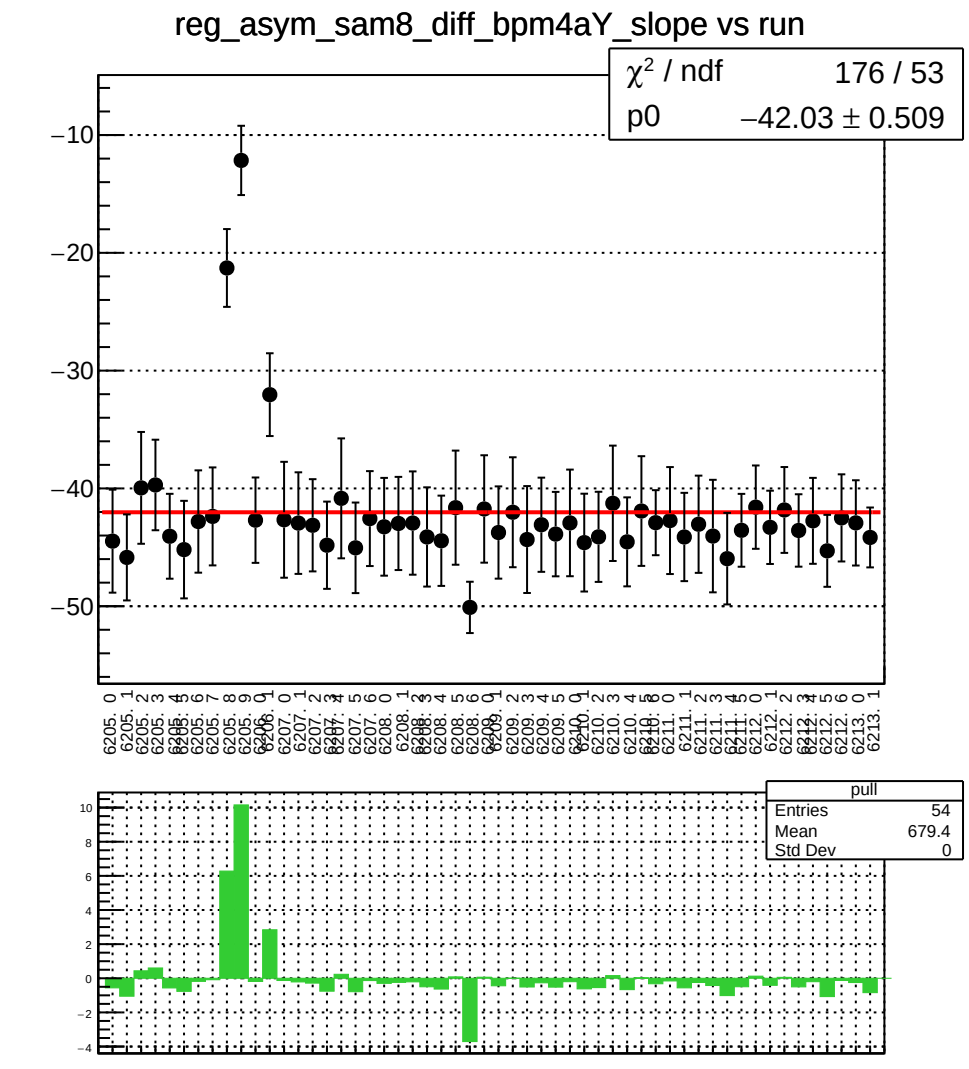

pull1D
Entries 54
Mean 0.04247
Std Dev 0.9346

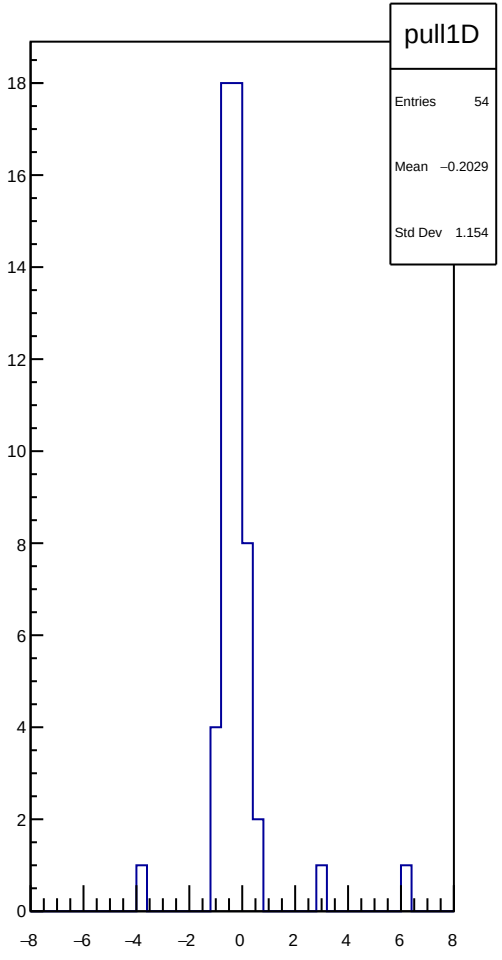

reg_asym_sam7_diff_bpm12X_slope vs run
χ² / ndf 32.82 / 53
p0 −0.3968 ± 0.05863
pull
Entries 54
Mean 210
Std Dev 0

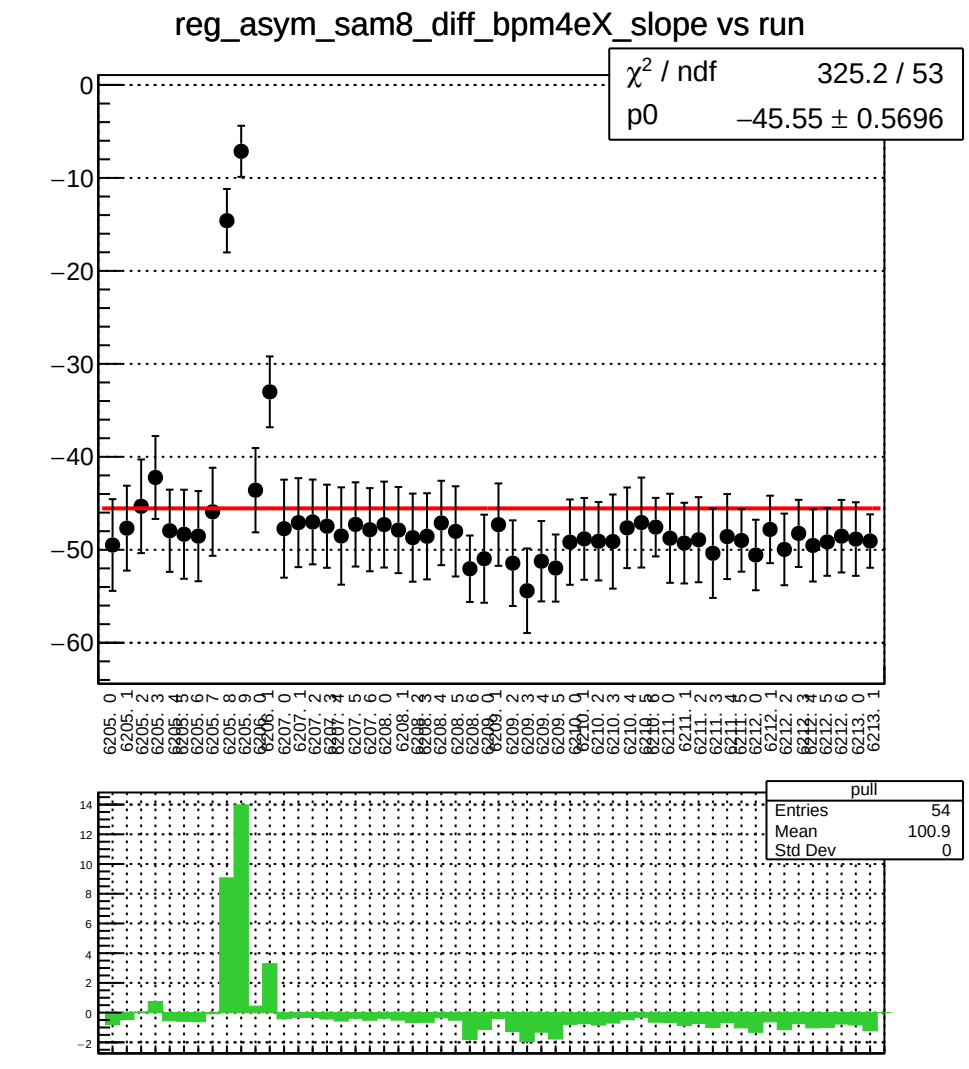

pull1D
Entries 54
Mean 0.02015
Std Dev 0.7794

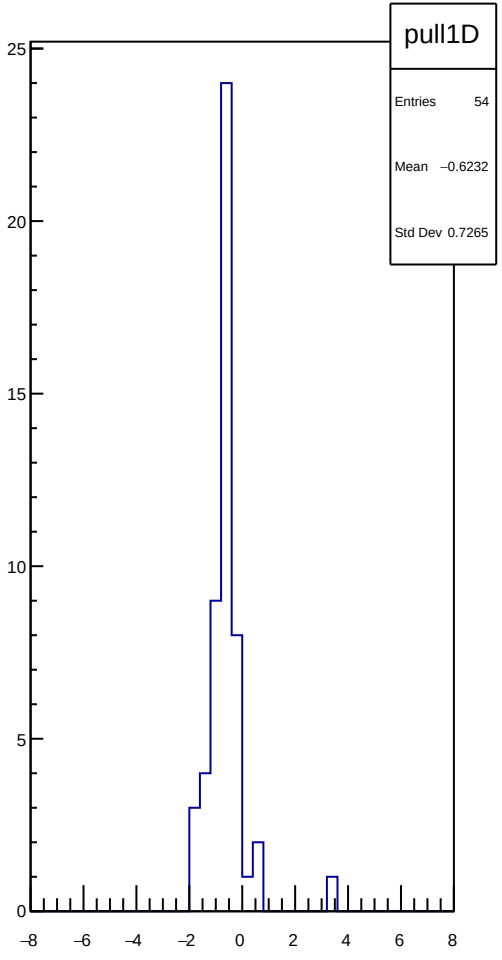

reg_asym_sam8_diff_bpm1X_slope vs run
χ² / ndf 350.7 / 53
p0 13.28 ± 0.5188
pull
Entries 54
Mean 123.6
Std Dev 0

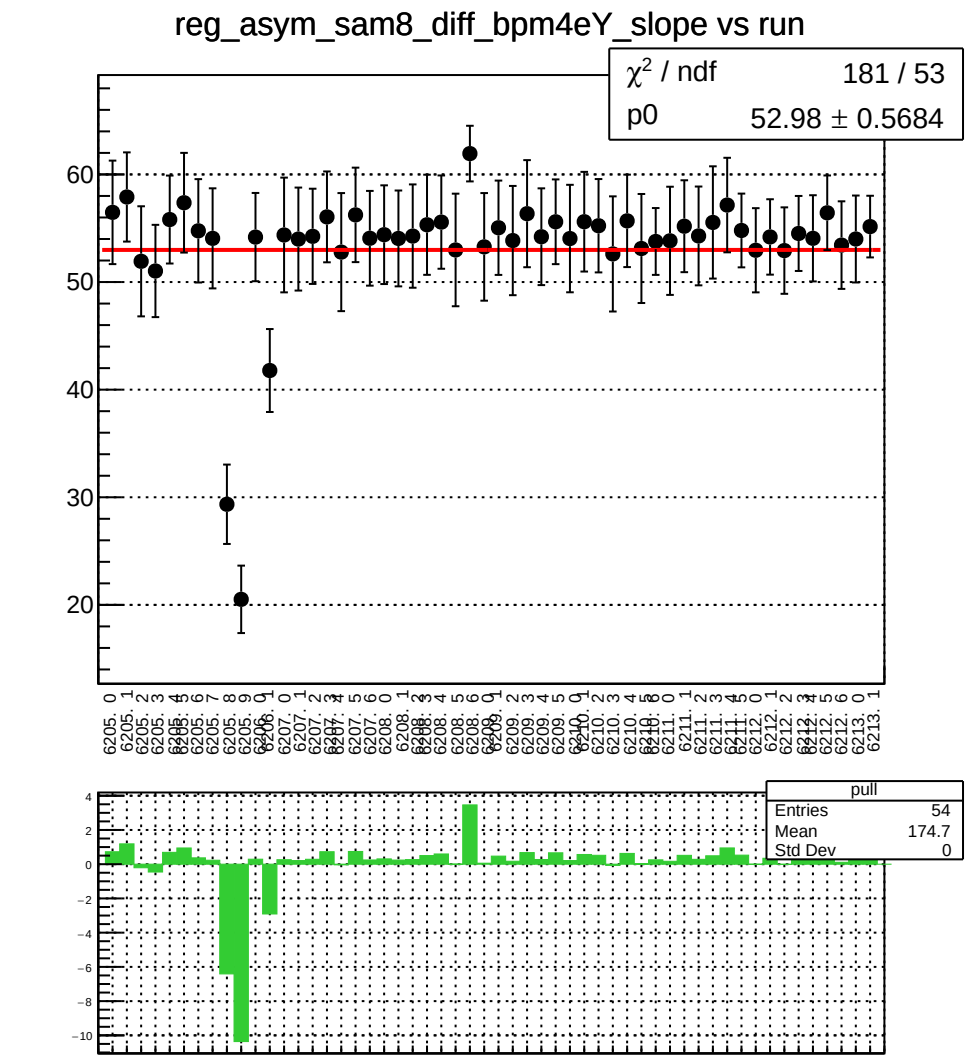

pull1D
Entries 54
Mean 0.6148
Std Dev 0.7552

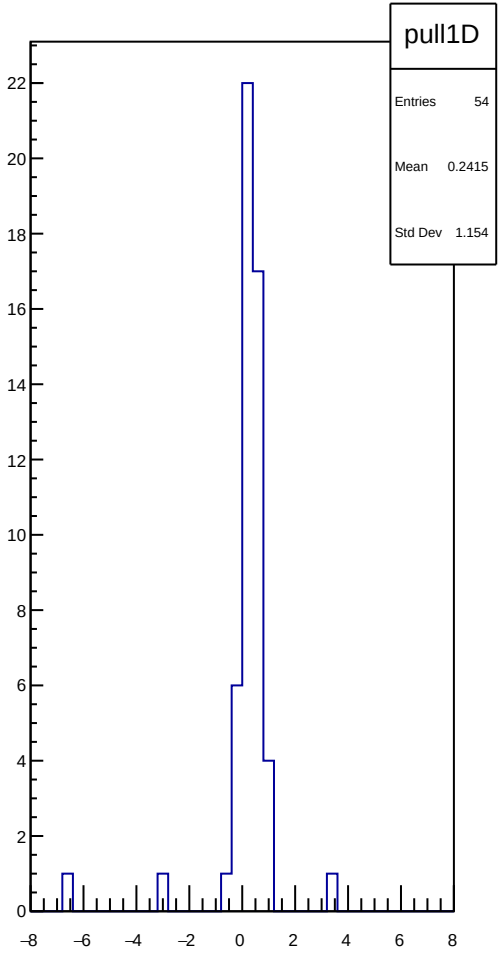

reg_asym_sam8_diff_bpm4aY_slope vs run
χ² / ndf 176 / 53
p0 −42.03 ± 0.509
pull
Entries 54
Mean 679.4
Std Dev 0

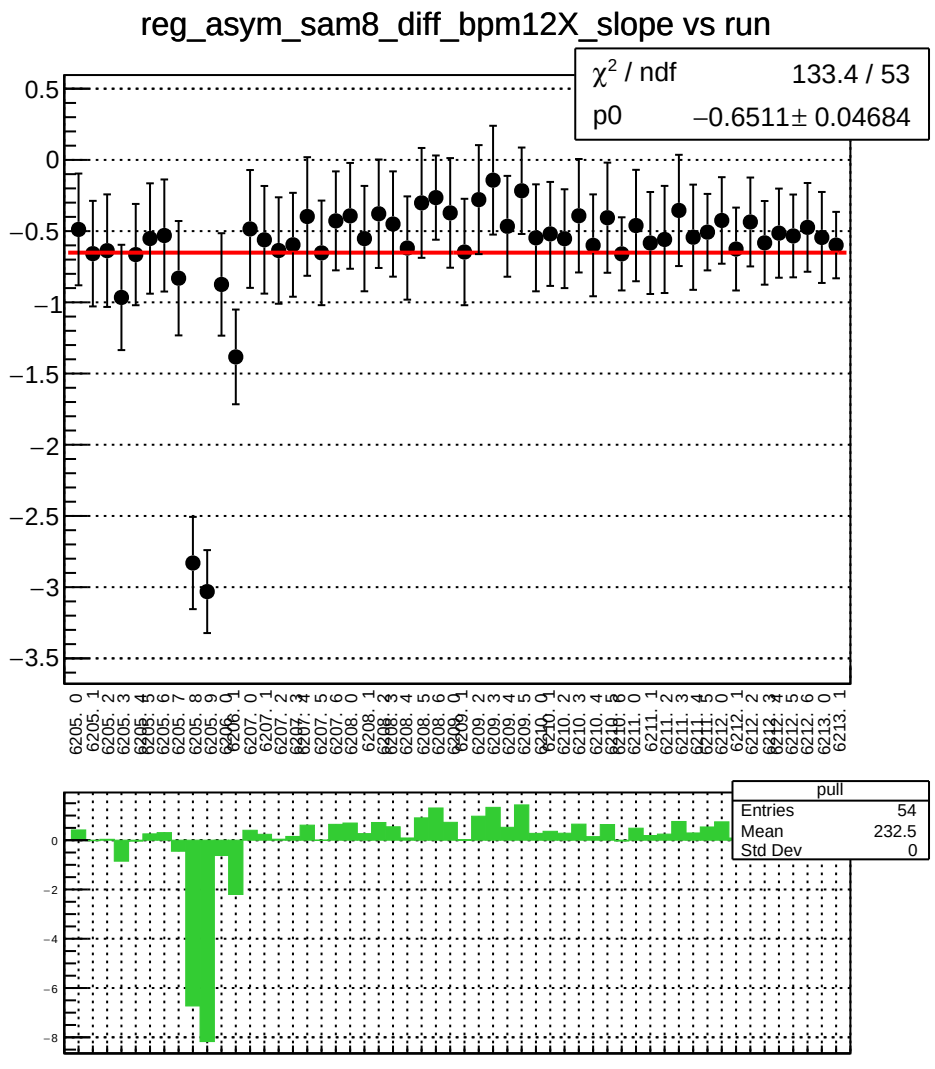

pull1D
Entries 54
Mean −0.2029
Std Dev 1.154

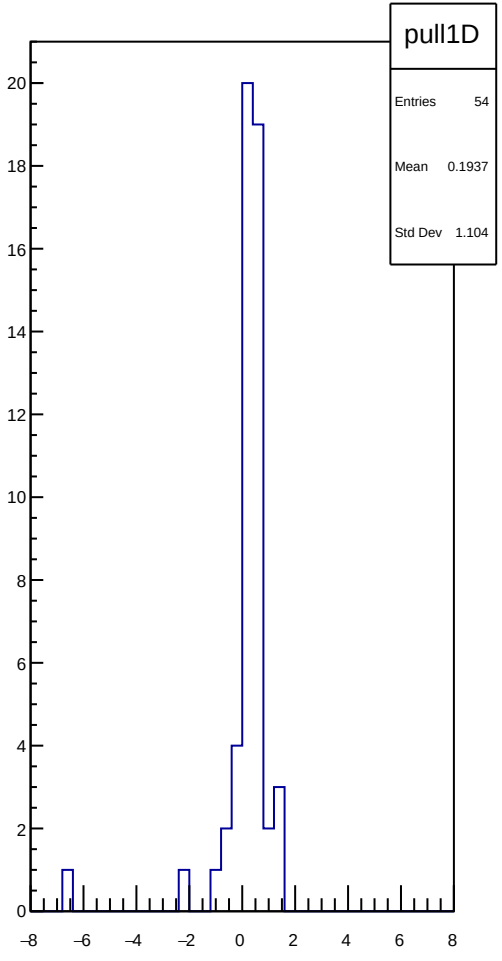

reg_asym_sam8_diff_bpm4eX_slope vs run
χ² / ndf 325.2 / 53
p0 −45.55 ± 0.5696
pull
Entries 54
Mean 100.9
Std Dev 0

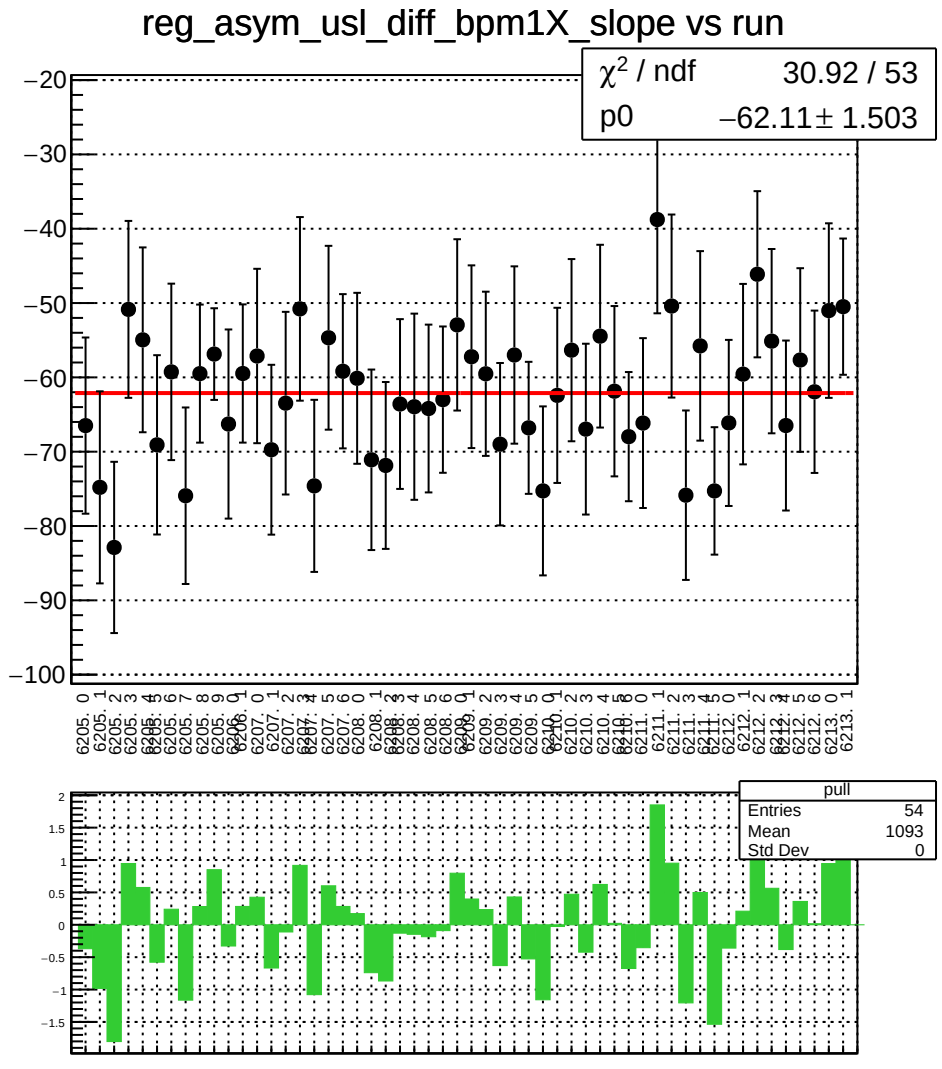

pull1D
Entries 54
Mean −0.6232
Std Dev 0.7265

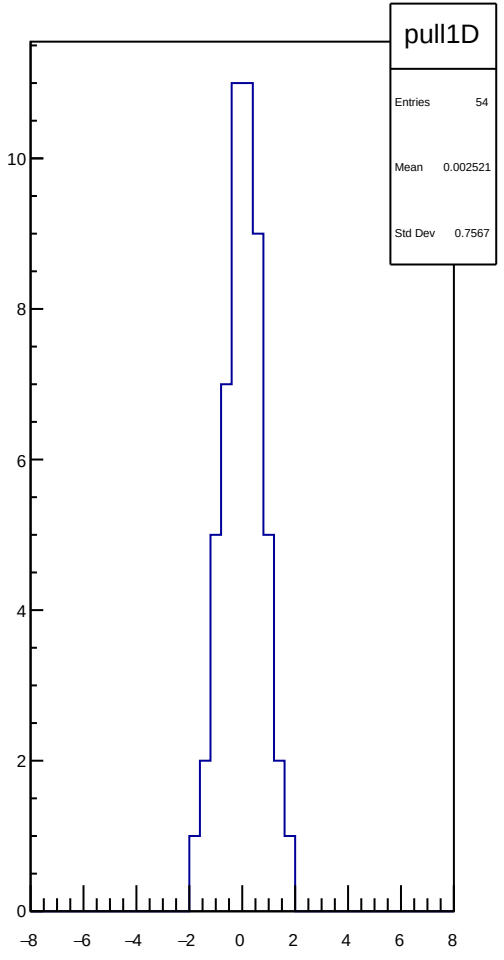

reg_asym_sam8_diff_bpm4eY_slope vs run
χ² / ndf 181 / 53
p0 52.98 ± 0.5684
pull
Entries 54
Mean 174.7
Std Dev 0

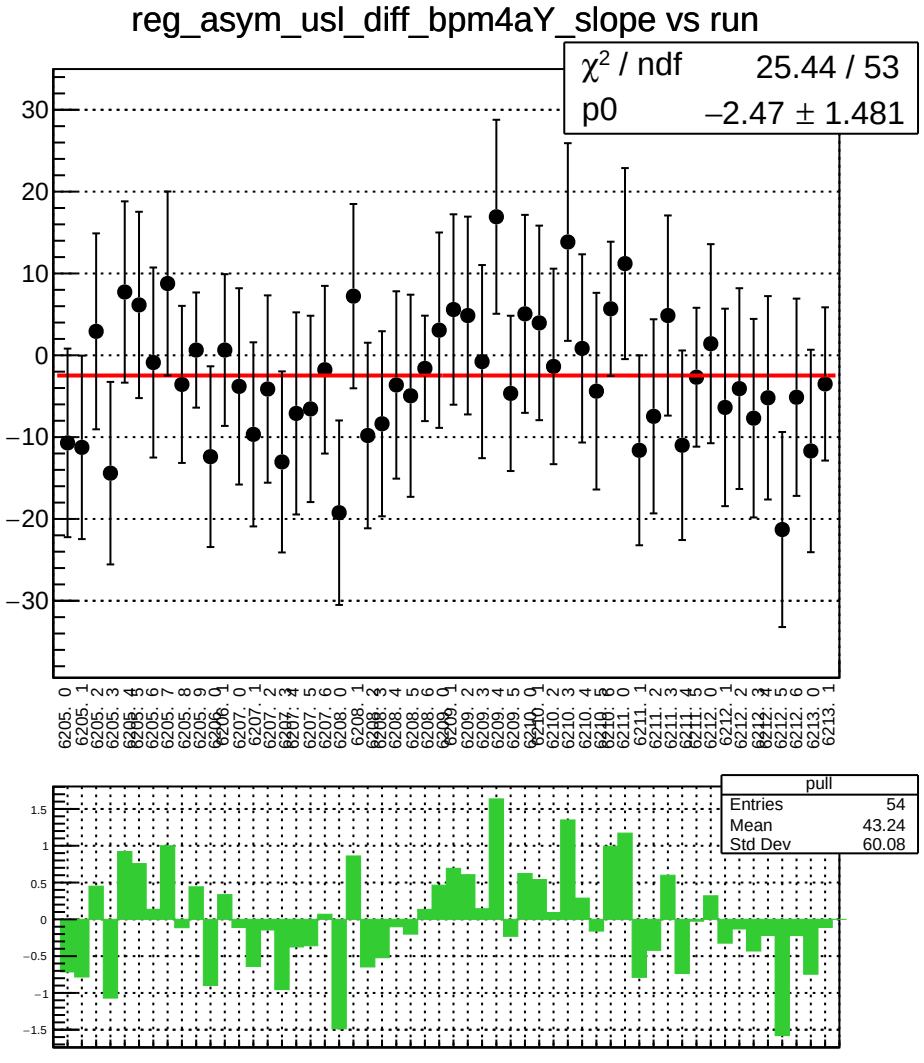

pull1D
Entries 54
Mean 0.2415
Std Dev 1.154

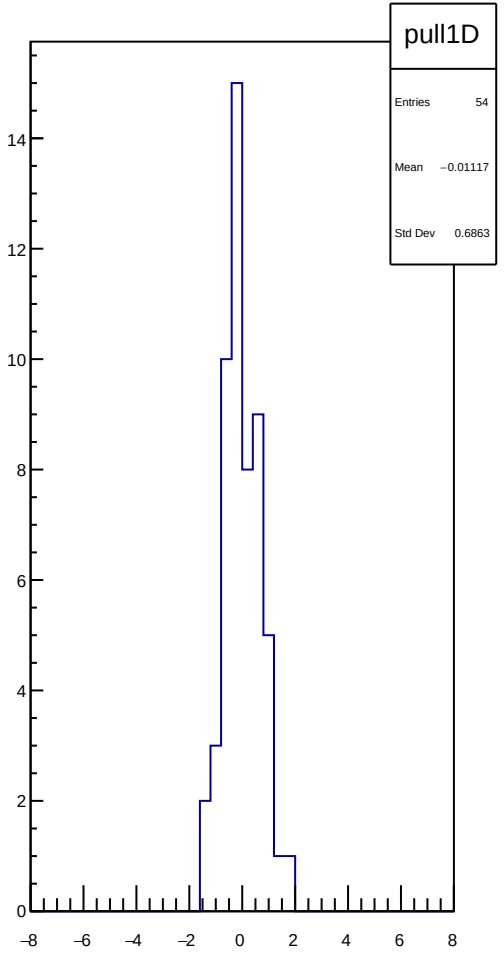

reg_asym_sam8_diff_bpm12X_slope vs run
χ² / ndf 133.4 / 53
p0 −0.6511± 0.04684
pull
Entries 54
Mean 232.5
Std Dev 0

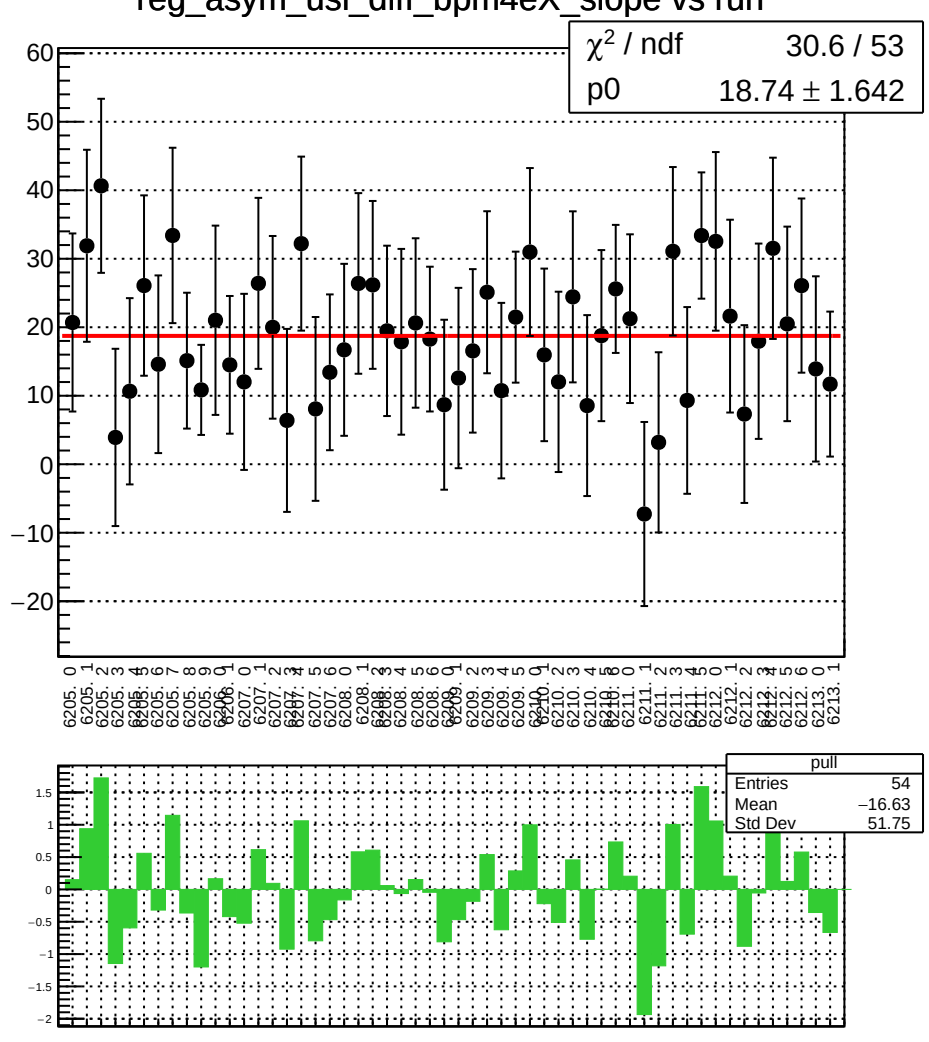

pull1D
Entries 54
Mean 0.1937
Std Dev 1.104

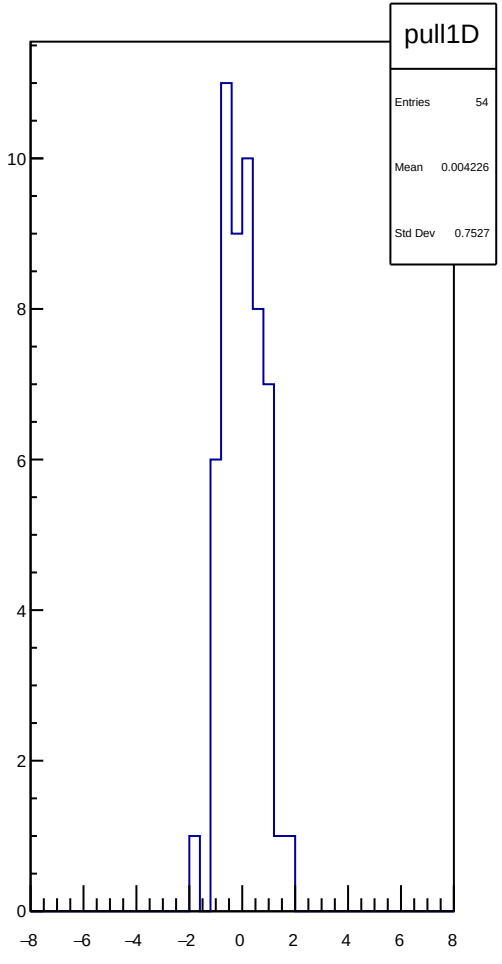

reg_asym_usl_diff_bpm1X_slope vs run
χ² / ndf 30.92 / 53
p0 −62.11± 1.503
pull
Entries 54
Mean 1093
Std Dev 0

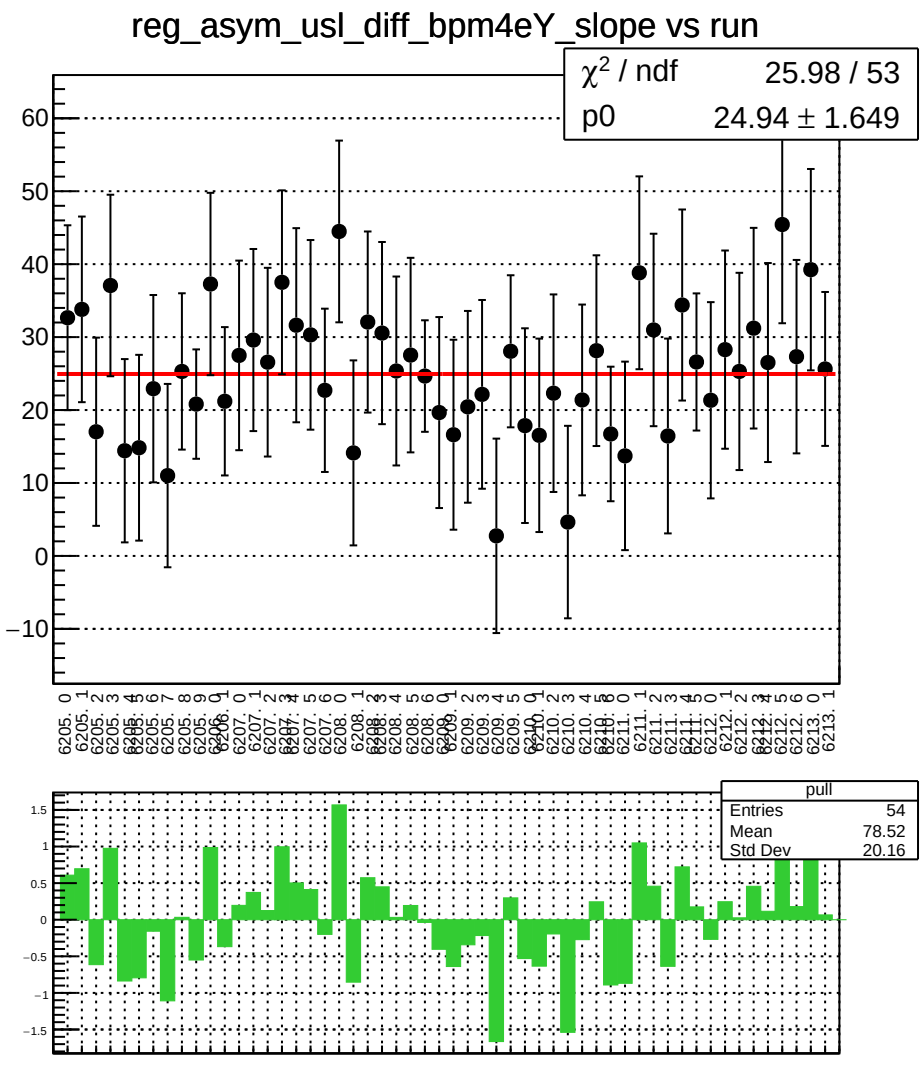

pull1D
Entries 54
Mean 0.002521
Std Dev 0.7567

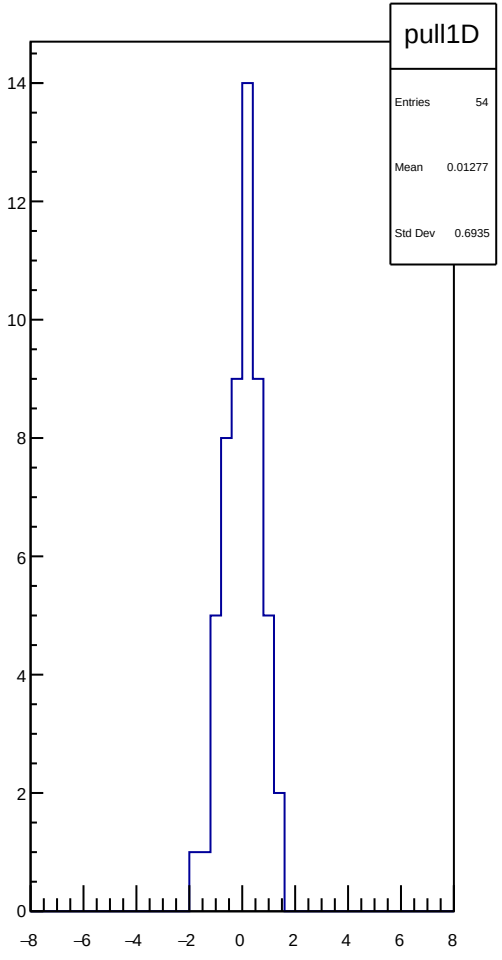

reg_asym_usl_diff_bpm4aY_slope vs run
χ² / ndf 25.44 / 53
p0 −2.47 ± 1.481
pull
Entries 54
Mean 43.24
Std Dev 60.08

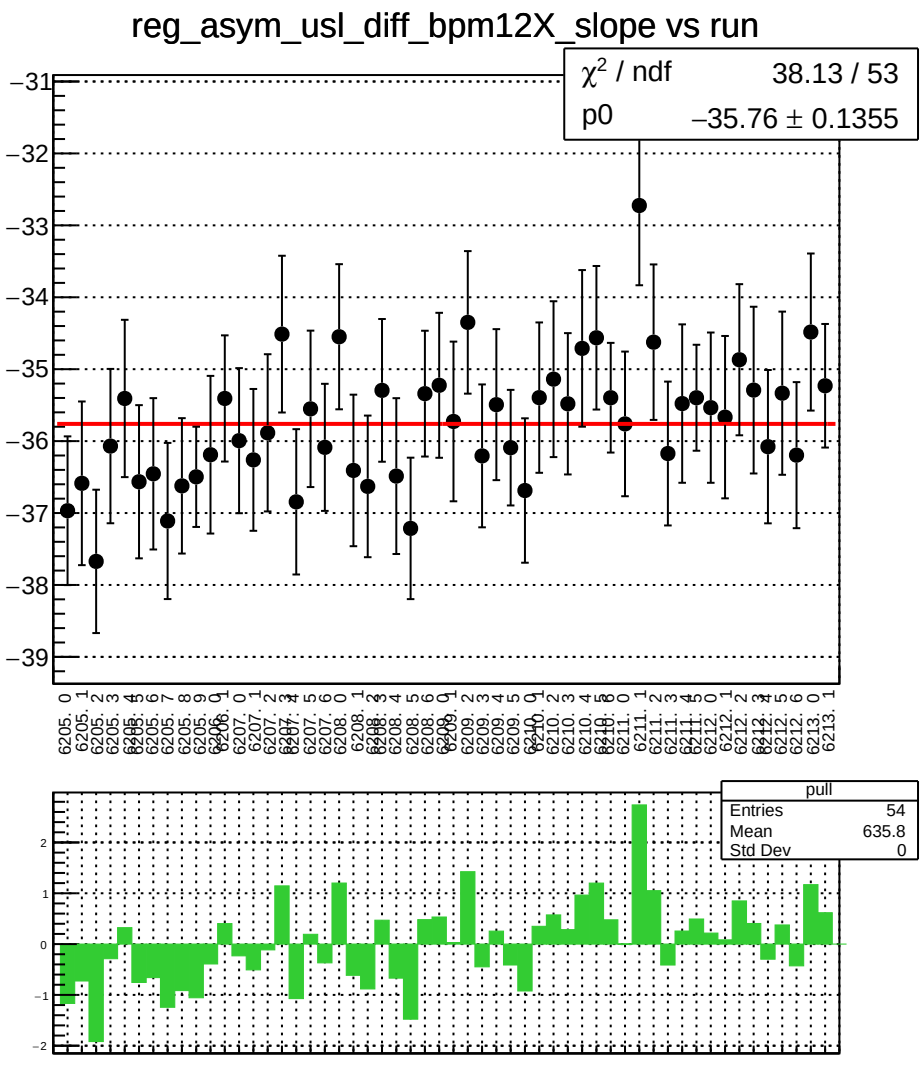

pull1D
Entries 54
Mean −0.01117
Std Dev 0.6863

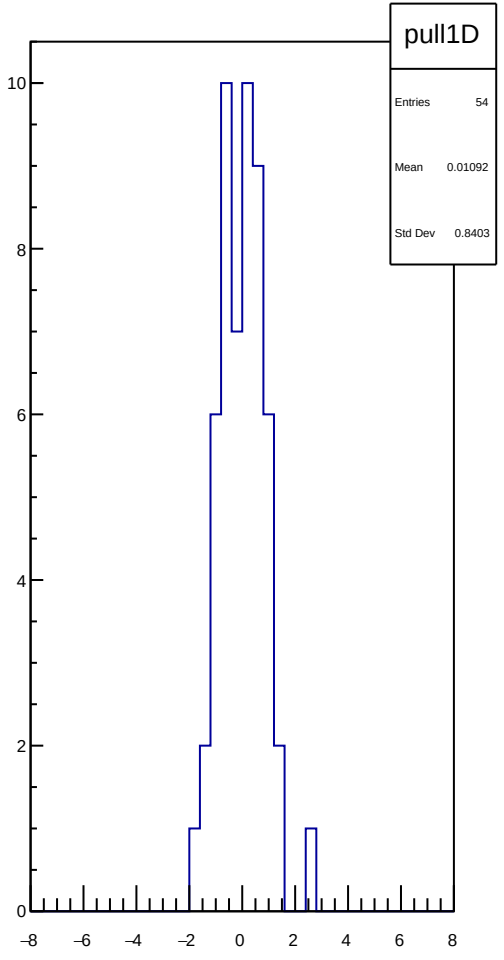

reg_asym_usl_diff_bpm4eX_slope vs run
χ² / ndf 30.6 / 53
p0 18.74 ± 1.642
pull
Entries 54
Mean −16.63
Std Dev 51.75

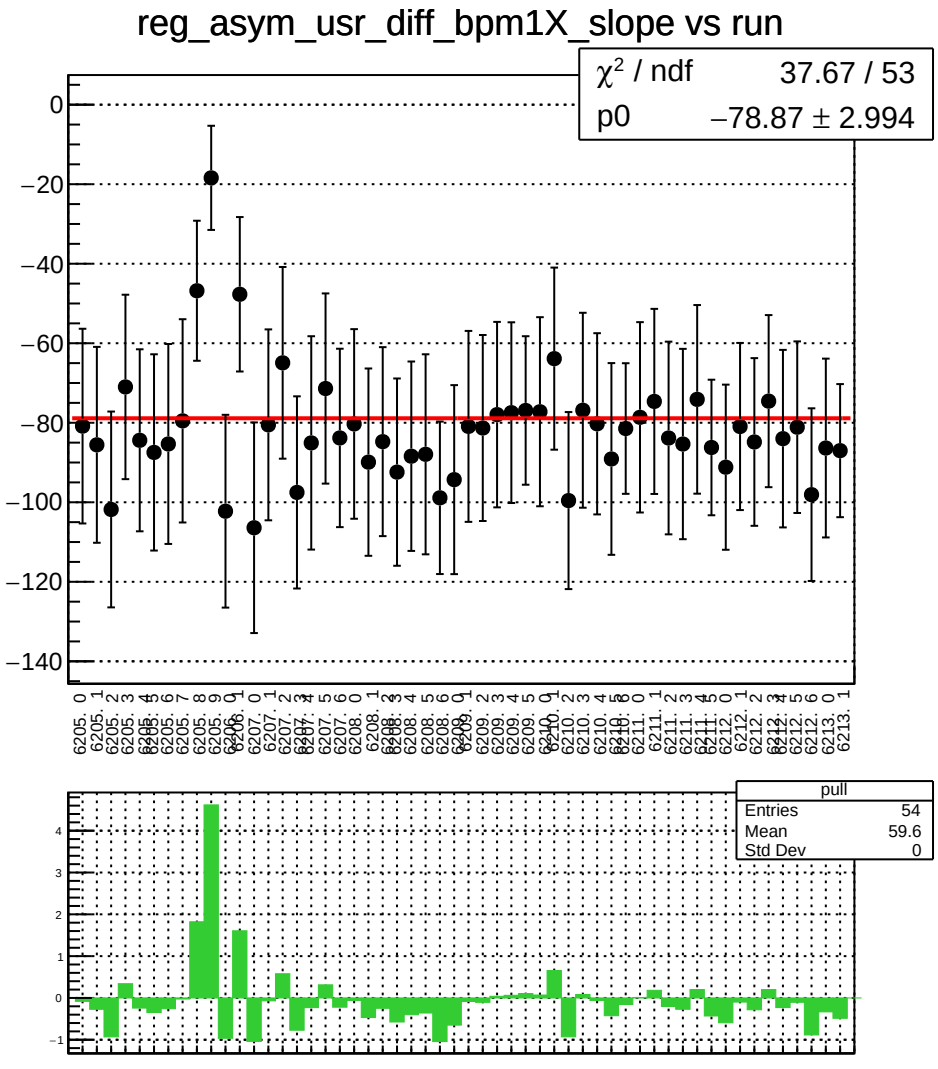

pull1D
Entries 54
Mean 0.004226
Std Dev 0.7527

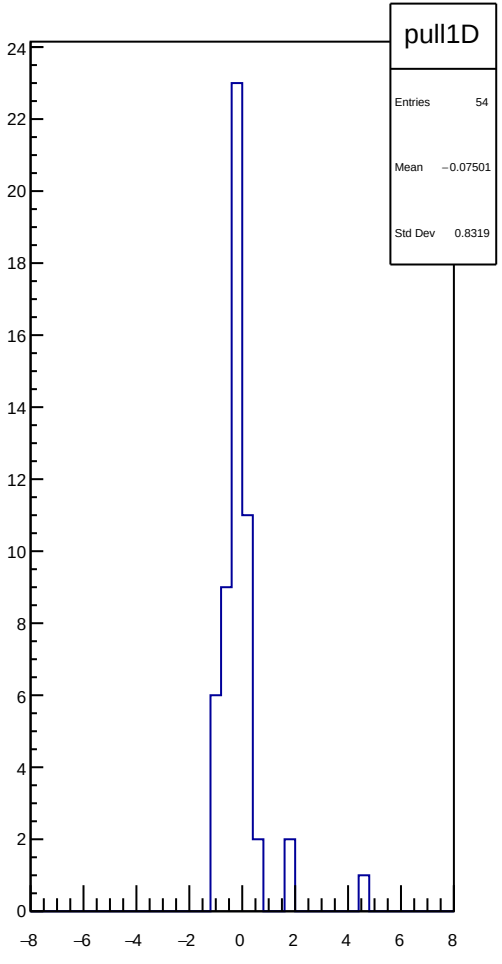

reg_asym_usl_diff_bpm4eY_slope vs run
χ² / ndf 25.98 / 53
p0 24.94 ± 1.649
pull
Entries 54
Mean 78.52
Std Dev 20.16

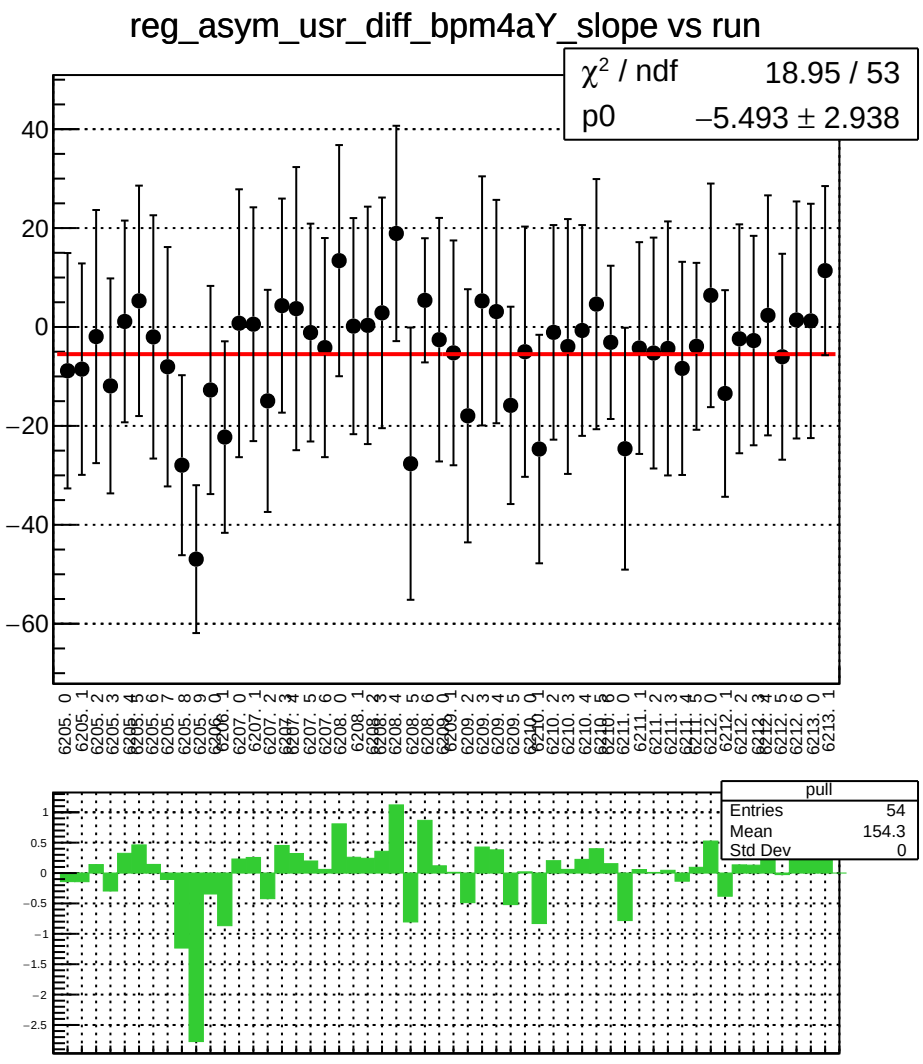

pull1D
Entries 54
Mean 0.01277
Std Dev 0.6935

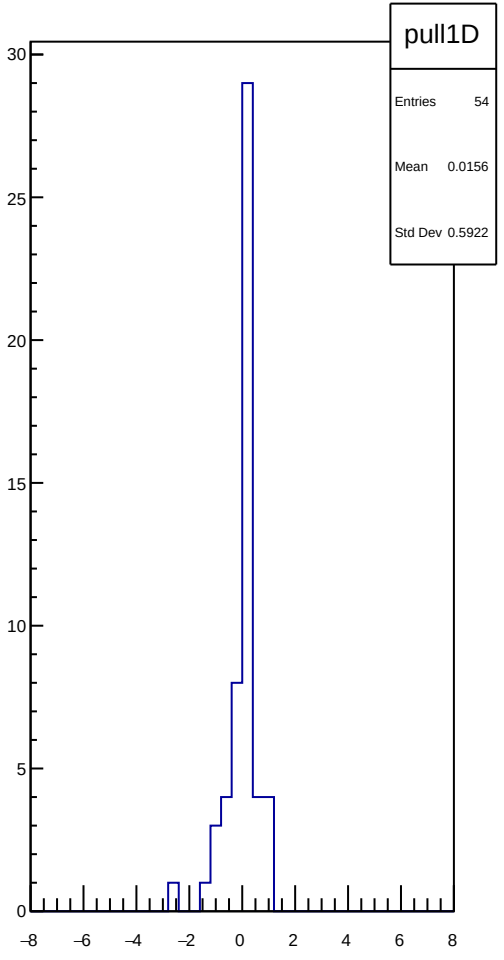

reg_asym_usl_diff_bpm12X_slope vs run
χ² / ndf 38.13 / 53
p0 −35.76 ± 0.1355
pull
Entries 54
Mean 635.8
Std Dev 0

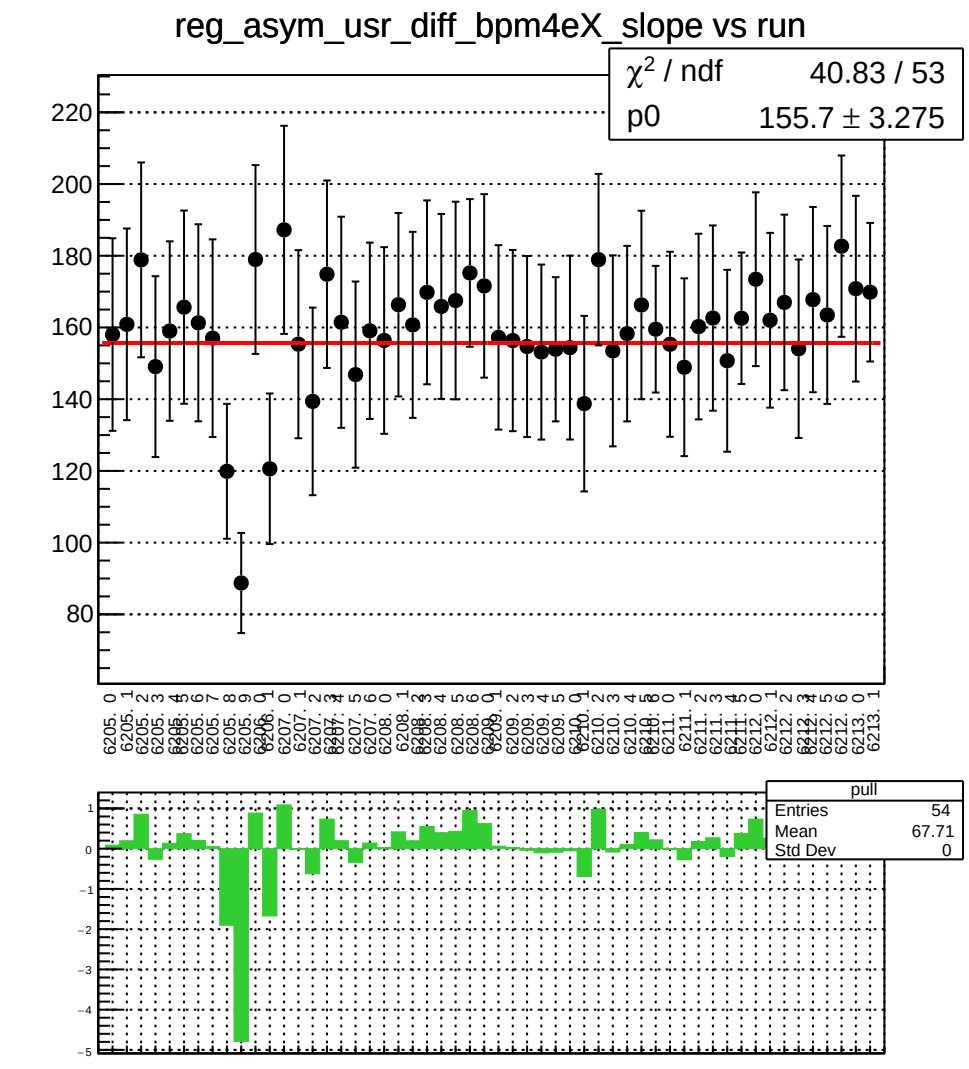

pull1D
Entries 54
Mean 0.01092
Std Dev 0.8403

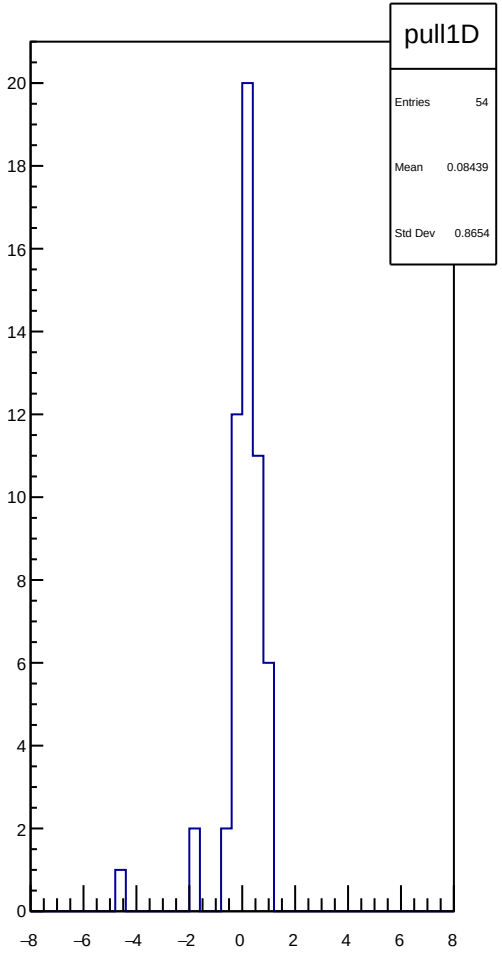

reg_asym_usr_diff_bpm1X_slope vs run
χ² / ndf 37.67 / 53
p0 −78.87 ± 2.994
pull
Entries 54
Mean 59.6
Std Dev 0

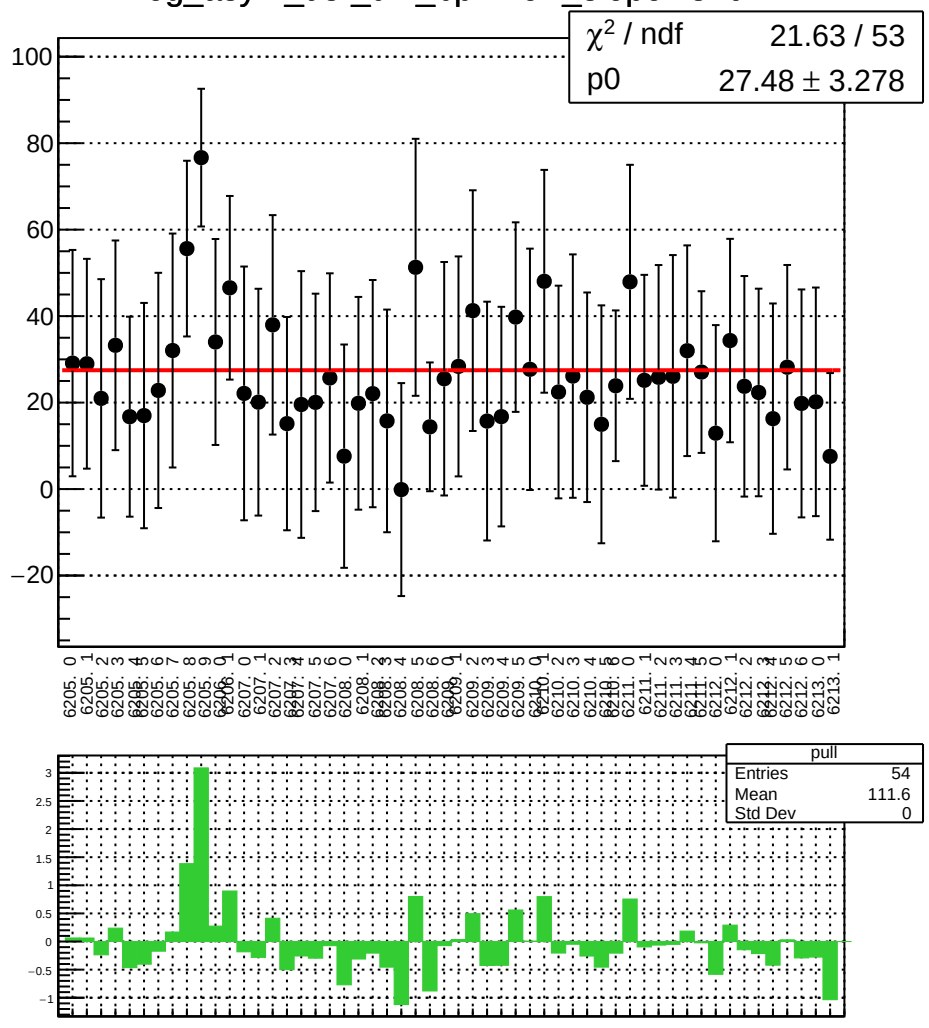

pull1D
Entries 54
Mean −0.07501
Std Dev 0.8319

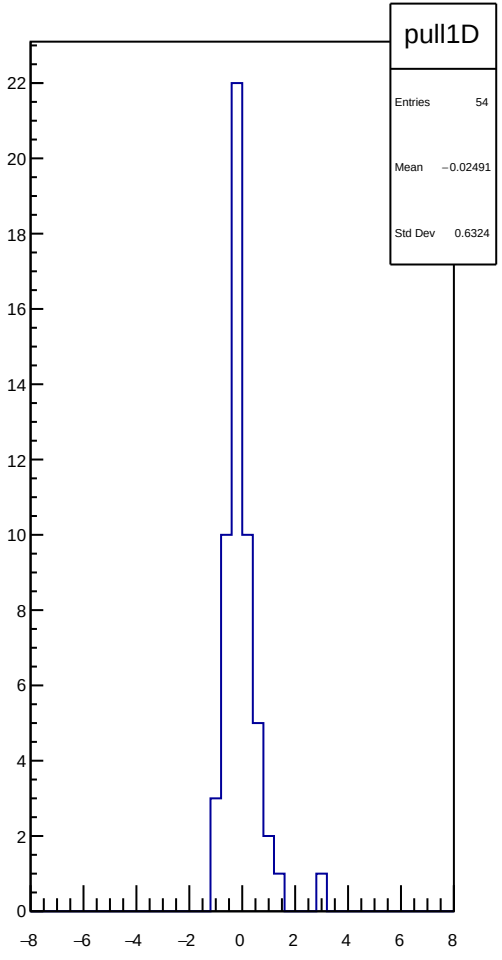

reg_asym_usr_diff_bpm4aY_slope vs run
χ² / ndf 18.95 / 53
p0 −5.493 ± 2.938
pull
Entries 54
Mean 154.3
Std Dev 0

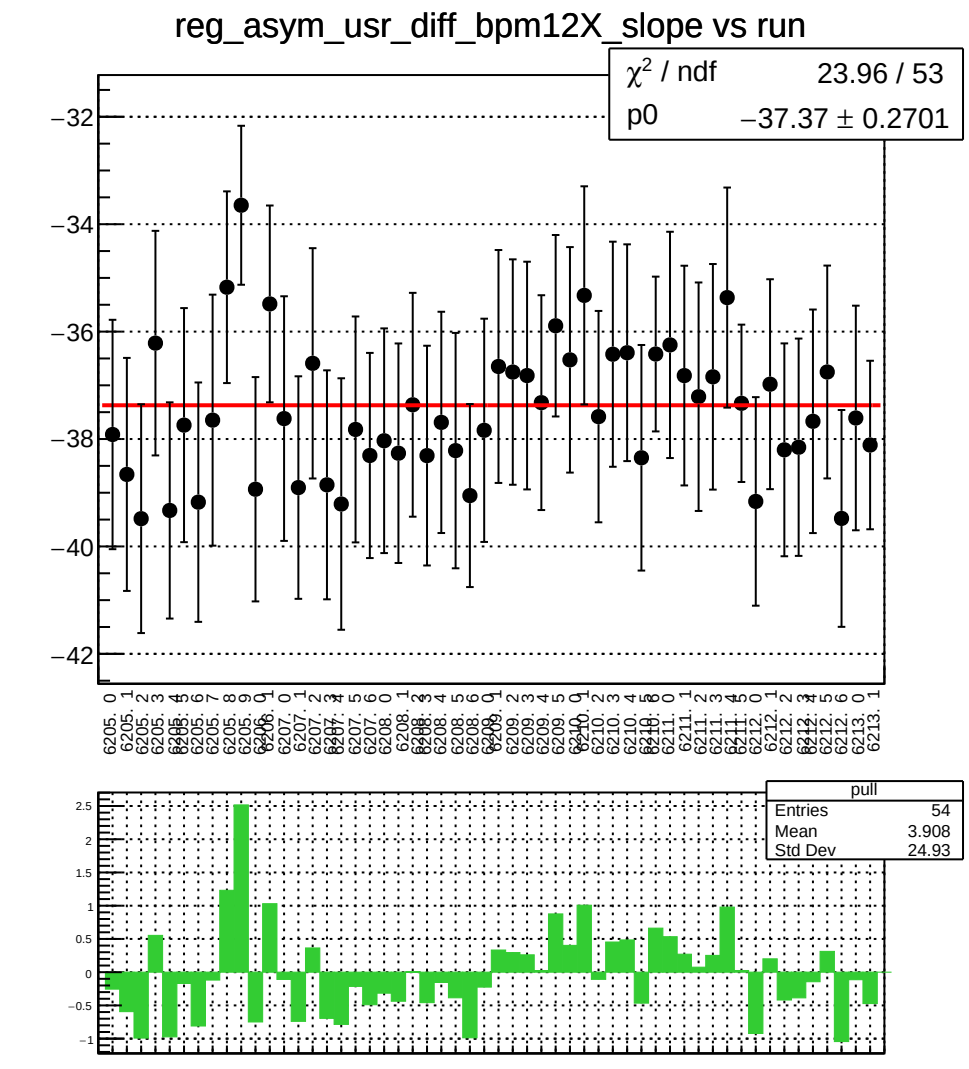

pull1D
Entries 54
Mean 0.0156
Std Dev 0.5922

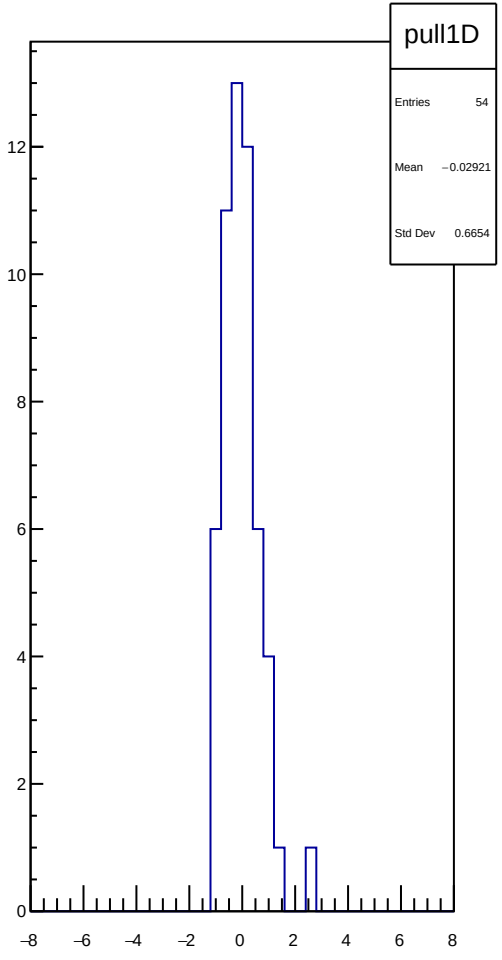

reg_asym_usr_diff_bpm4eX_slope vs run
χ² / ndf 40.83 / 53
p0 155.7 ± 3.275
pull
Entries 54
Mean 67.71
Std Dev 0

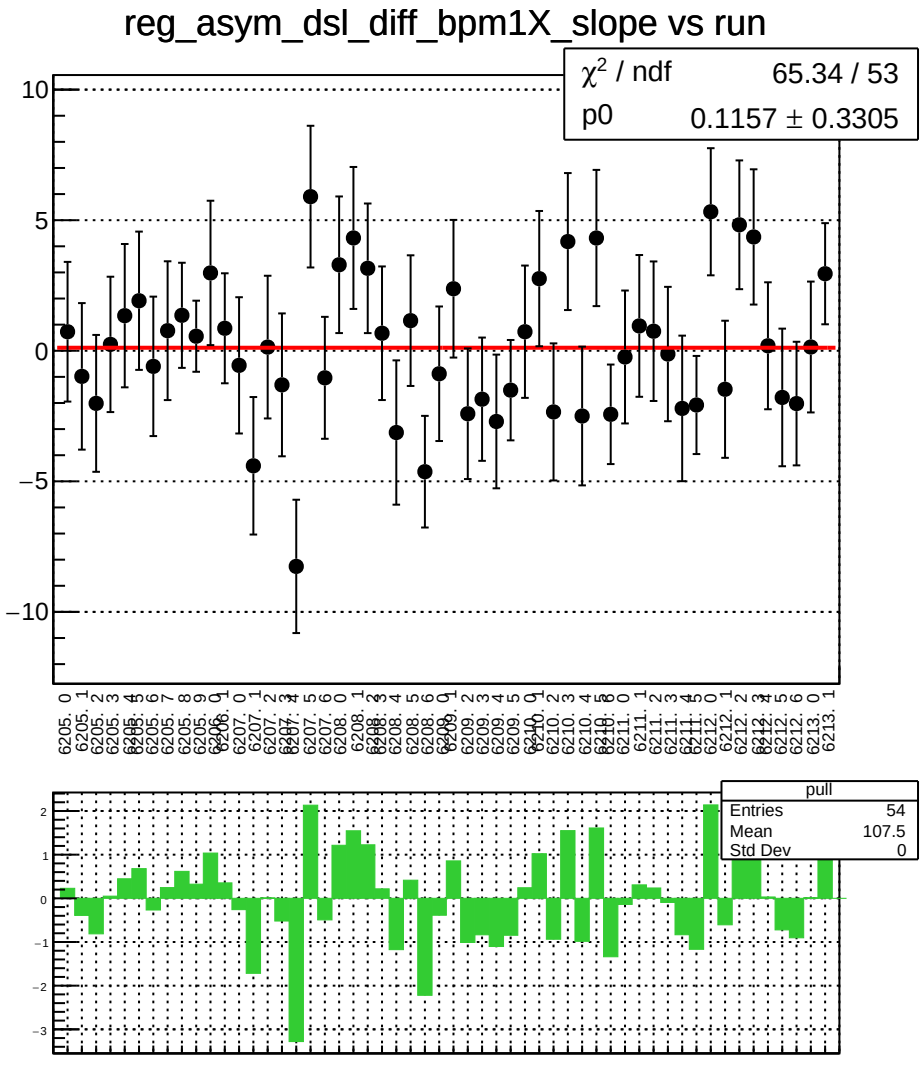

pull1D
Entries 54
Mean 0.08439
Std Dev 0.8654

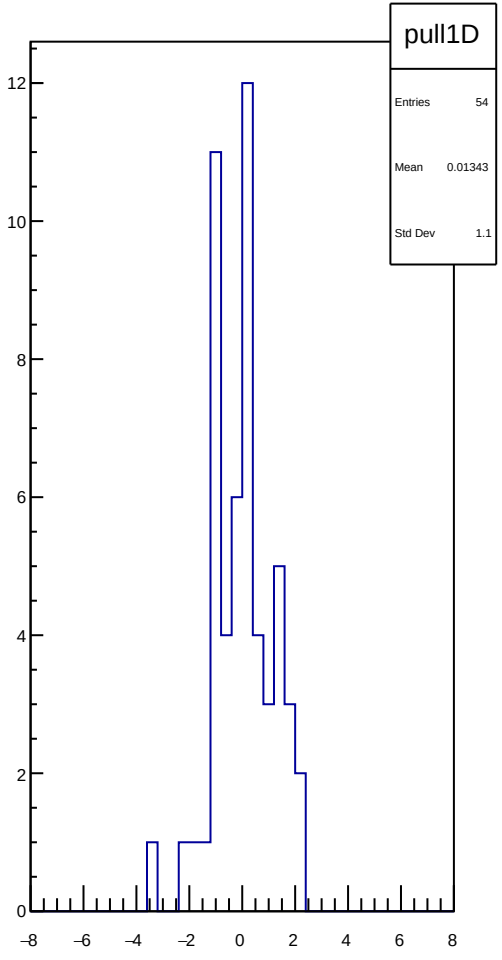

reg_asym_usr_diff_bpm4eY_slope vs run
χ² / ndf 21.63 / 53
p0 27.48 ± 3.278
pull
Entries 54
Mean 111.6
Std Dev 0

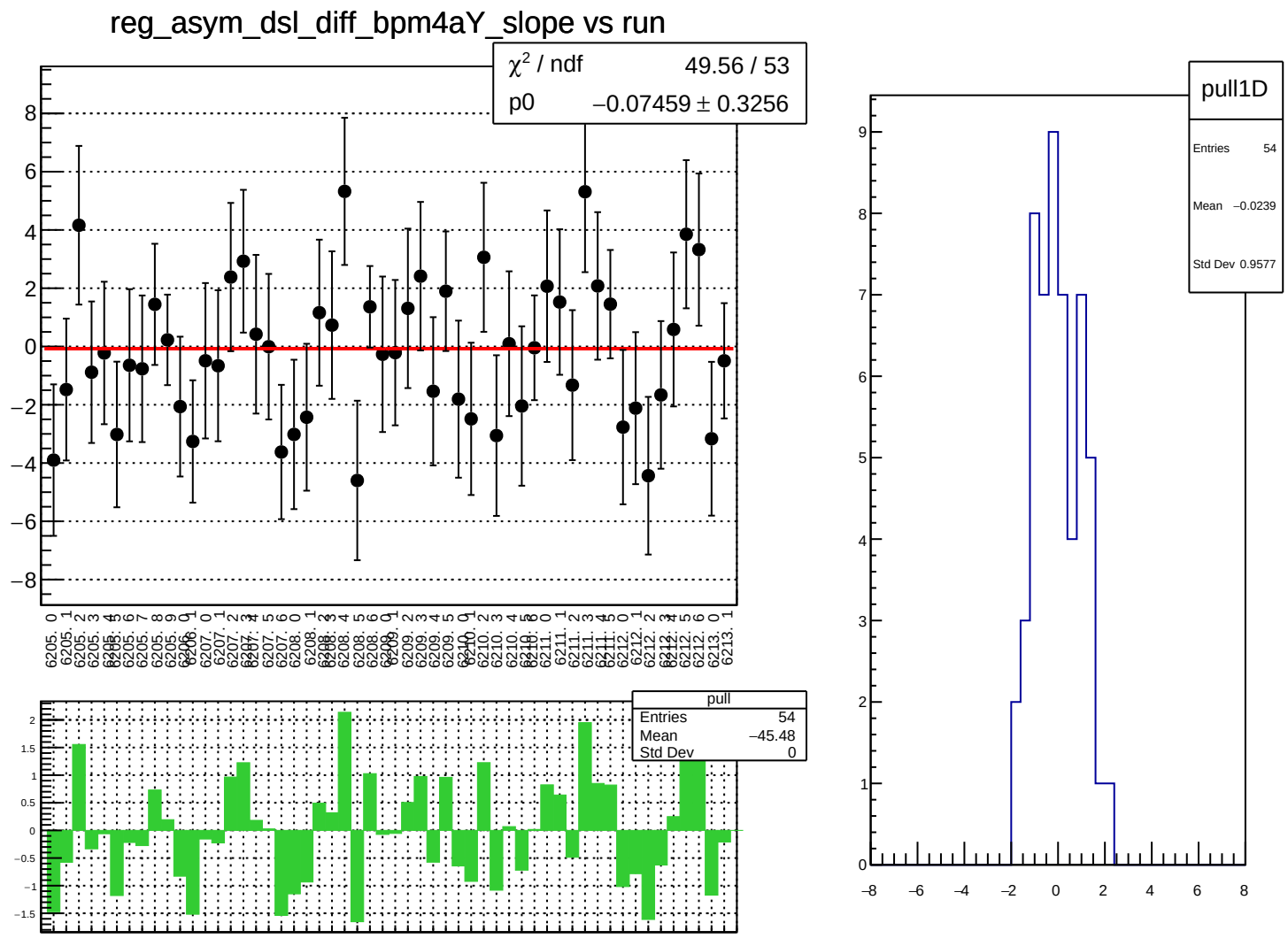

pull1D
Entries 54
Mean −0.02491
Std Dev 0.6324

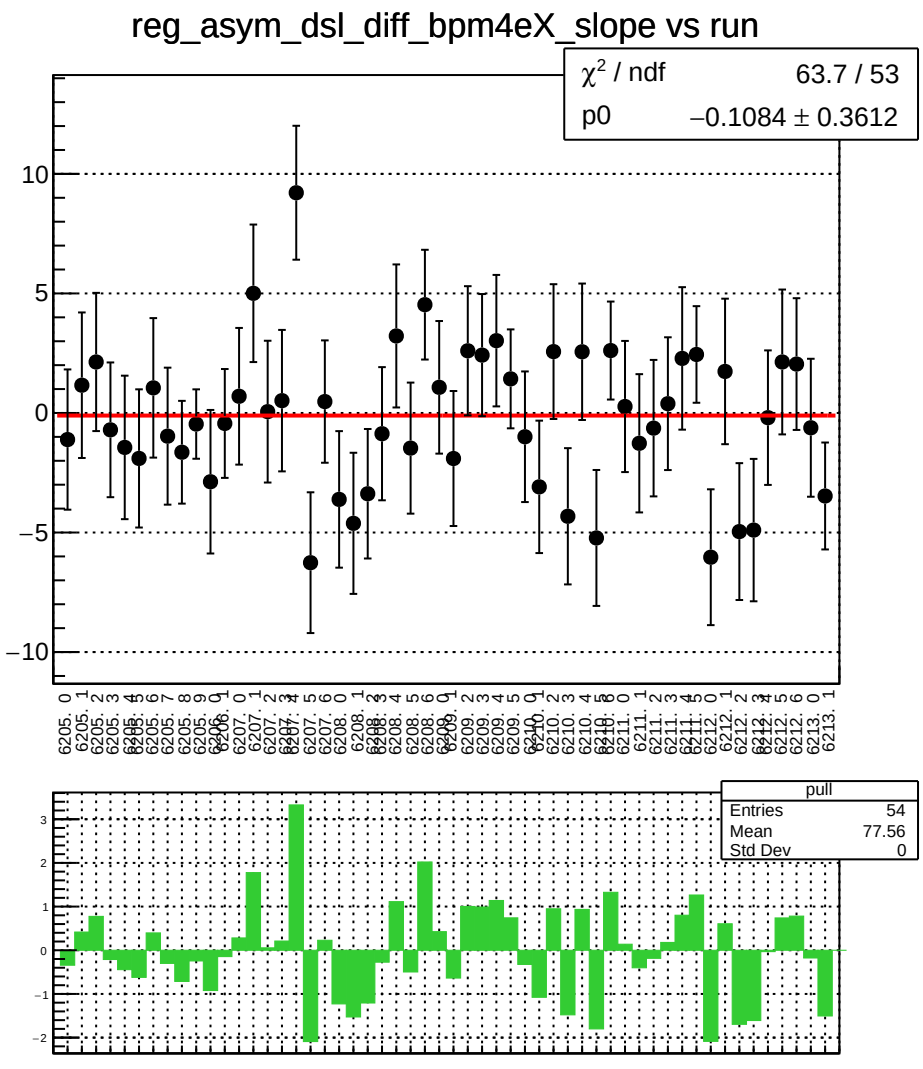

reg_asym_usr_diff_bpm12X_slope vs run
χ² / ndf 23.96 / 53
p0 −37.37 ± 0.2701
pull
Entries 54
Mean 3.908
Std Dev 24.93

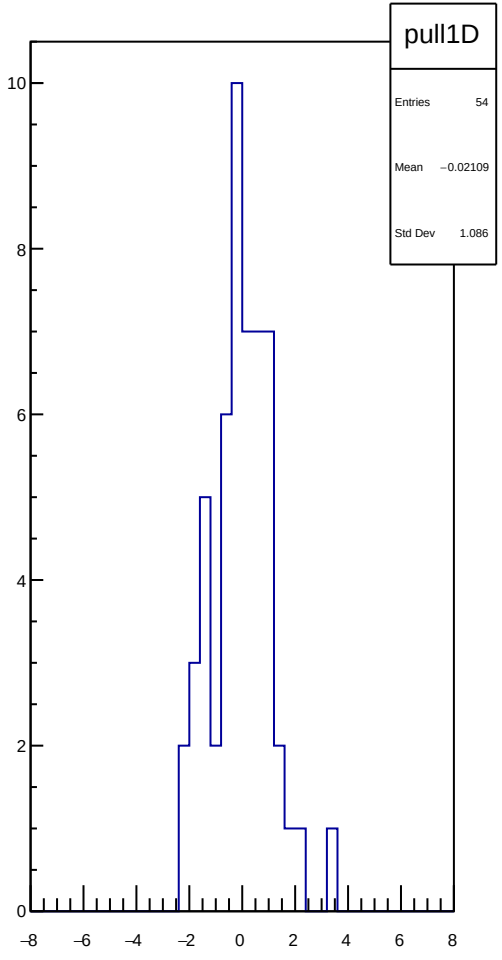

pull1D
Entries 54
Mean −0.02921
Std Dev 0.6654

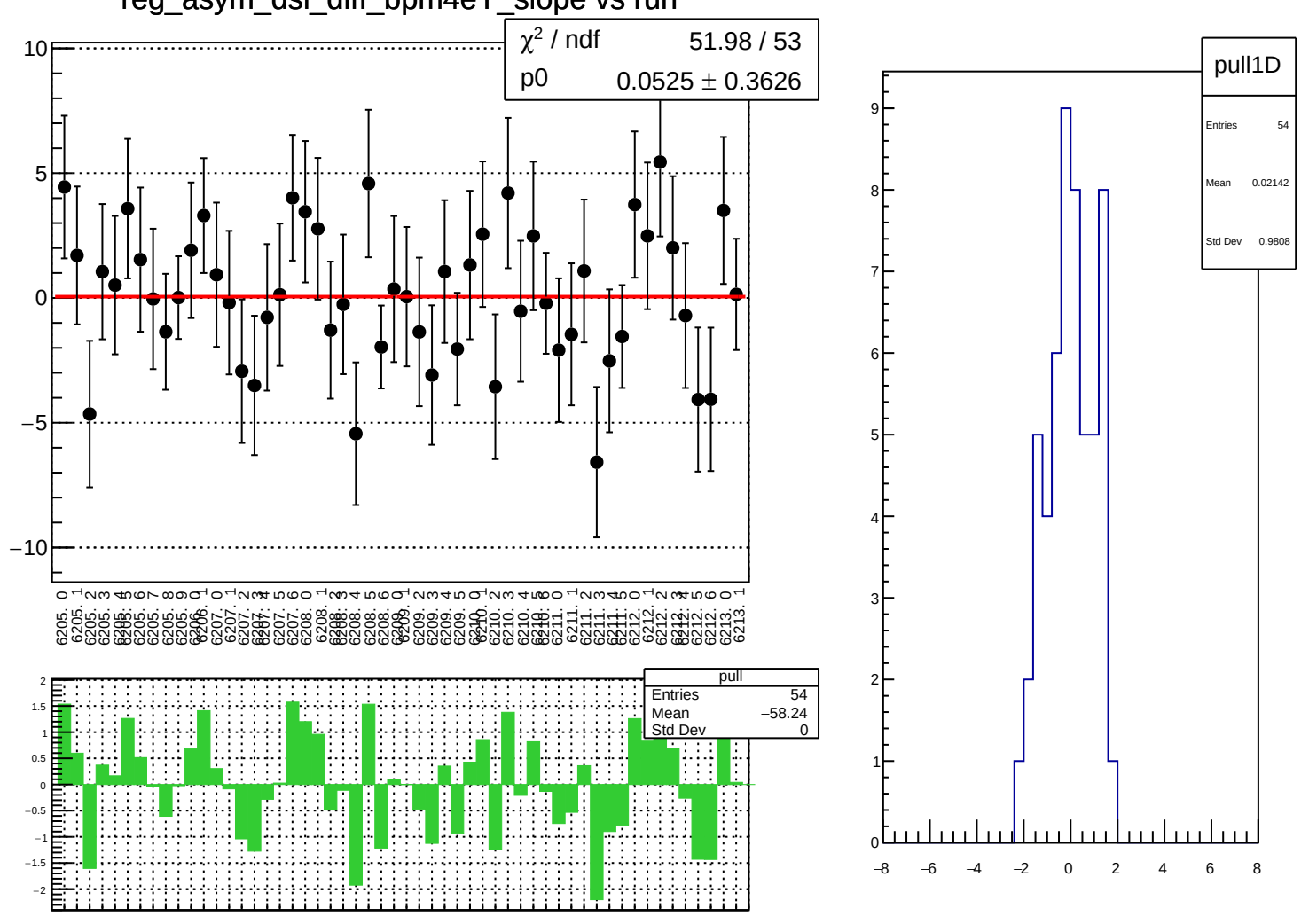

reg_asym_dsl_diff_bpm1X_slope vs run
χ² / ndf 65.34 / 53
p0 0.1157 ± 0.3305
pull
Entries 54
Mean 107.5
Std Dev 0

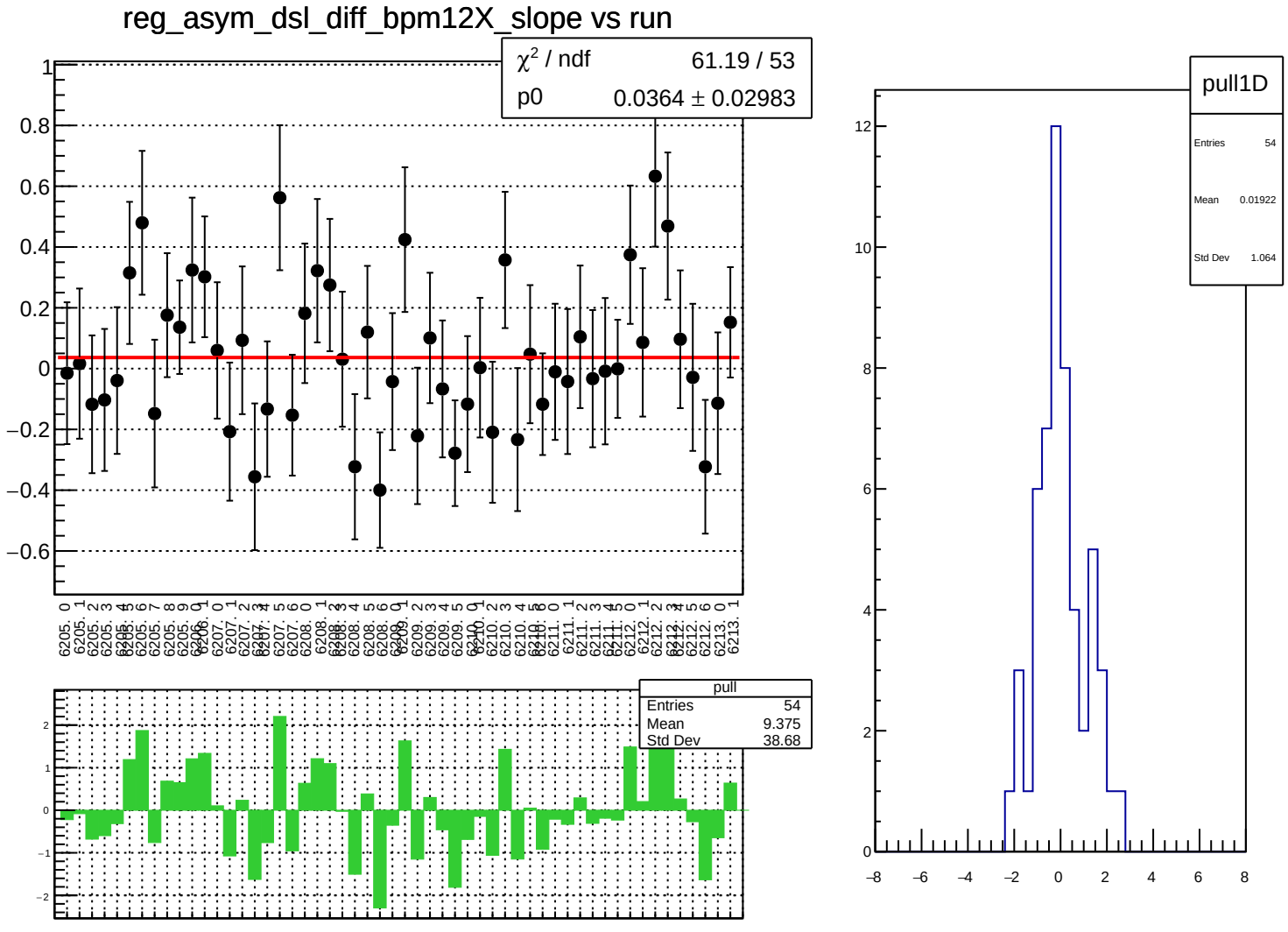

pull1D
Entries 54
Mean 0.01343
Std Dev 1.1

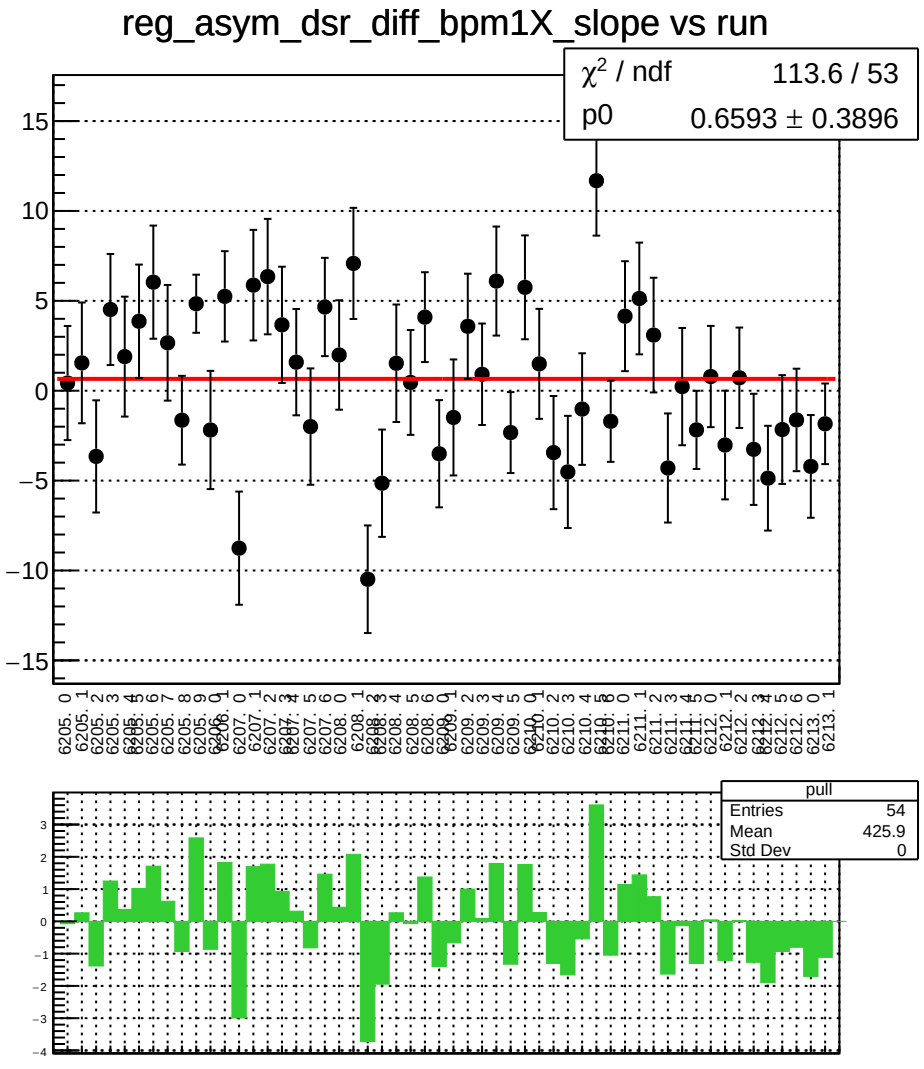

reg_asym_dsl_diff_bpm4aY_slope vs run
χ² / ndf 49.56 / 53
p0 −0.07459 ± 0.3256
pull
Entries 54
Mean −45.48
Std Dev 0
pull1D
Entries 54
Mean −0.0239
Std Dev 0.9577

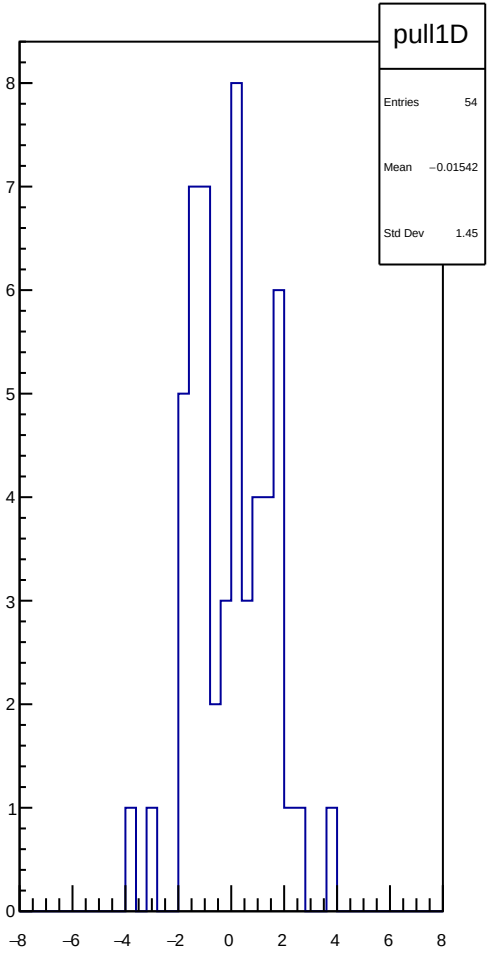

reg_asym_dsl_diff_bpm4eX_slope vs run
χ² / ndf 63.7 / 53
p0 −0.1084 ± 0.3612
pull
Entries 54
Mean 77.56
Std Dev 0

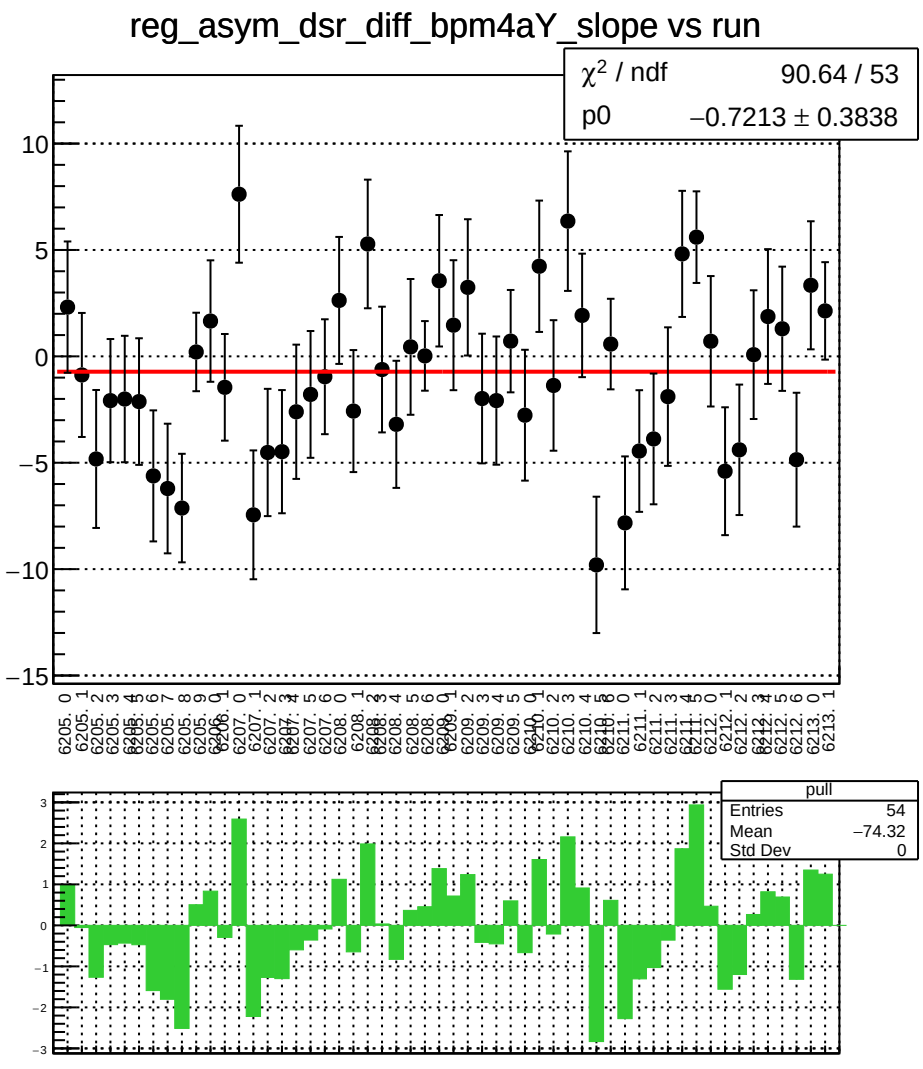

pull1D
Entries 54
Mean −0.02109
Std Dev 1.086

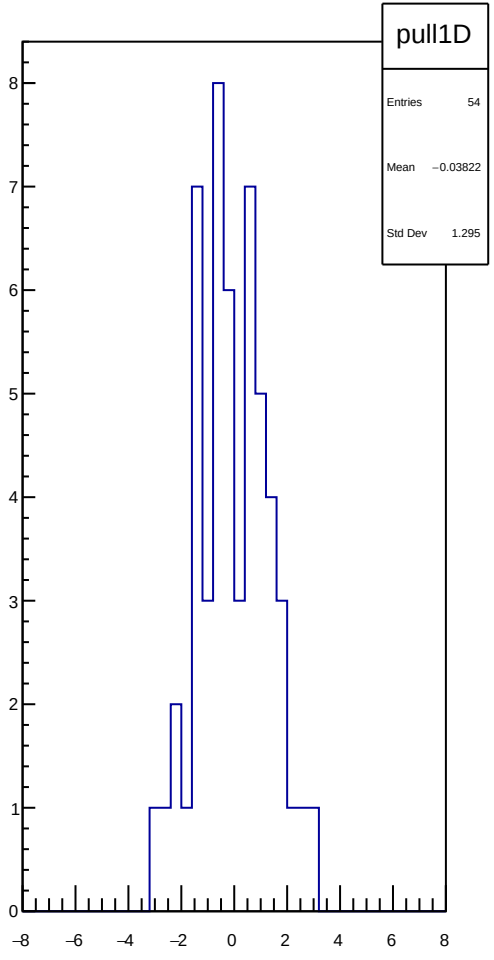

reg_asym_dsl_diff_bpm4eY_slope vs run
χ² / ndf 51.98 / 53
p0 0.0525 ± 0.3626
pull
Entries 54
Mean −58.24
Std Dev 0
pull1D
Entries 54
Mean 0.02142
Std Dev 0.9808

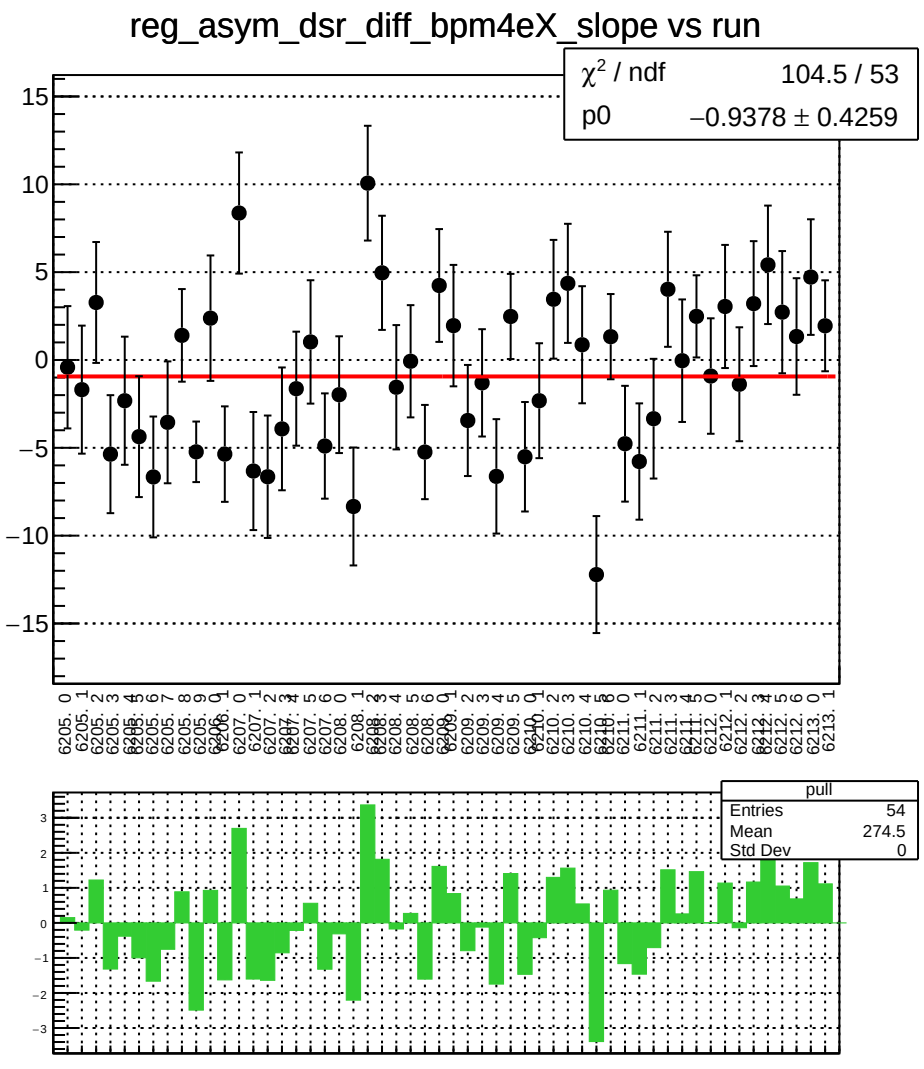

reg_asym_dsl_diff_bpm12X_slope vs run
χ² / ndf 61.19 / 53
p0 0.0364 ± 0.02983
pull
Entries 54
Mean 9.375
Std Dev 38.68
pull1D
Entries 54
Mean 0.01922
Std Dev 1.064

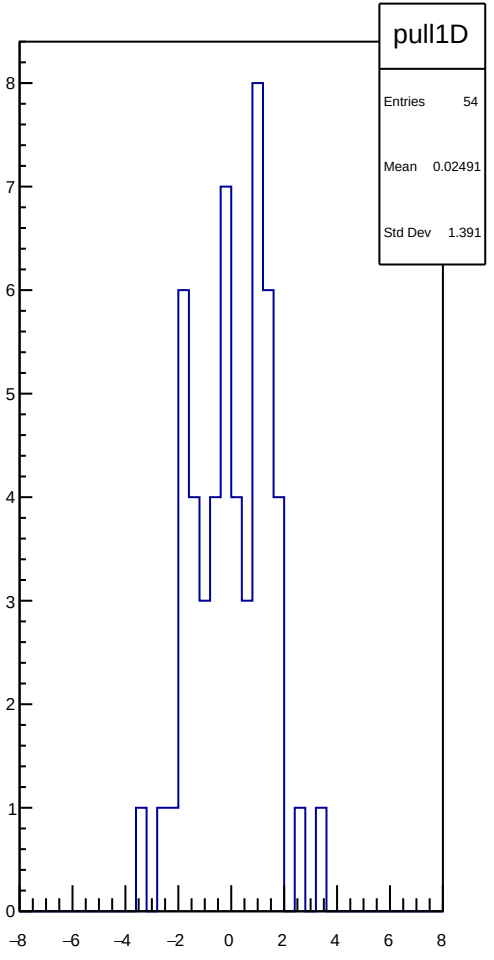

reg_asym_dsr_diff_bpm1X_slope vs run
χ² / ndf 113.6 / 53
p0 0.6593 ± 0.3896
pull
Entries 54
Mean 425.9
Std Dev 0

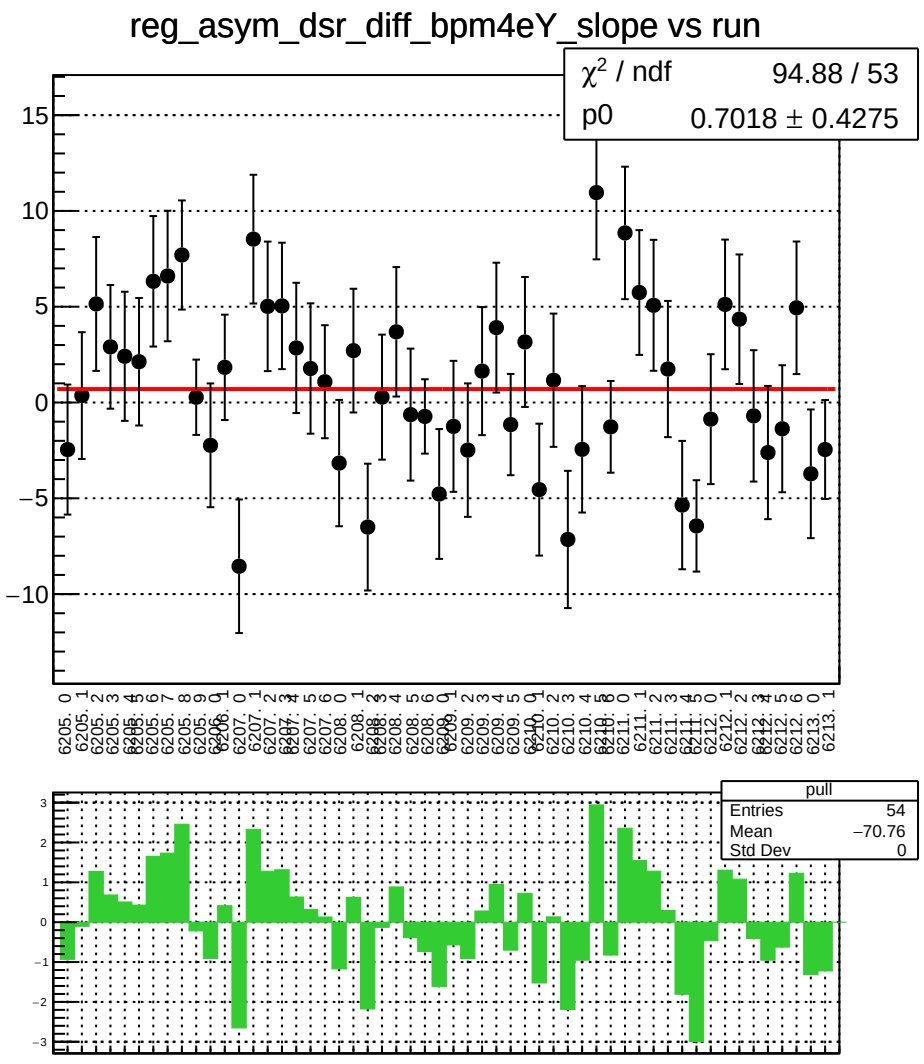

pull1D
Entries 54
Mean −0.01542
Std Dev 1.45

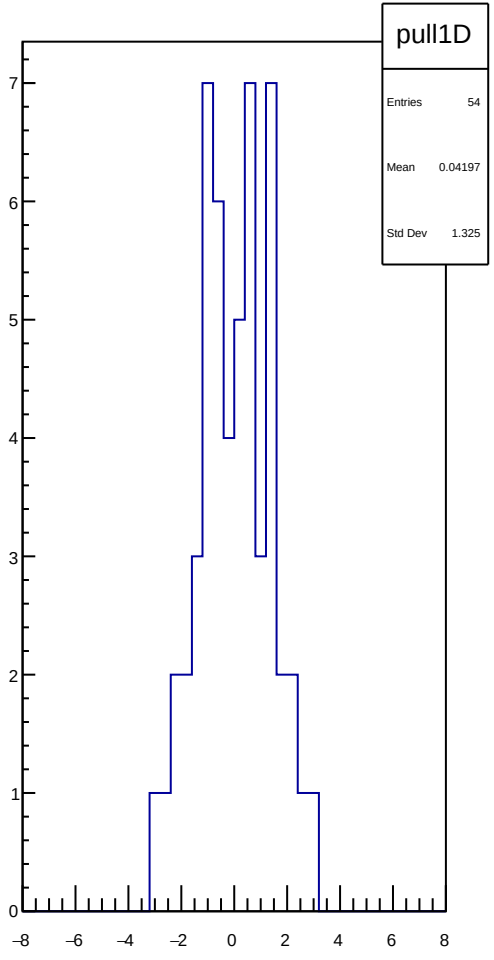

reg_asym_dsr_diff_bpm4aY_slope vs run
χ² / ndf 90.64 / 53
p0 −0.7213 ± 0.3838
pull
Entries 54
Mean −74.32
Std Dev 0

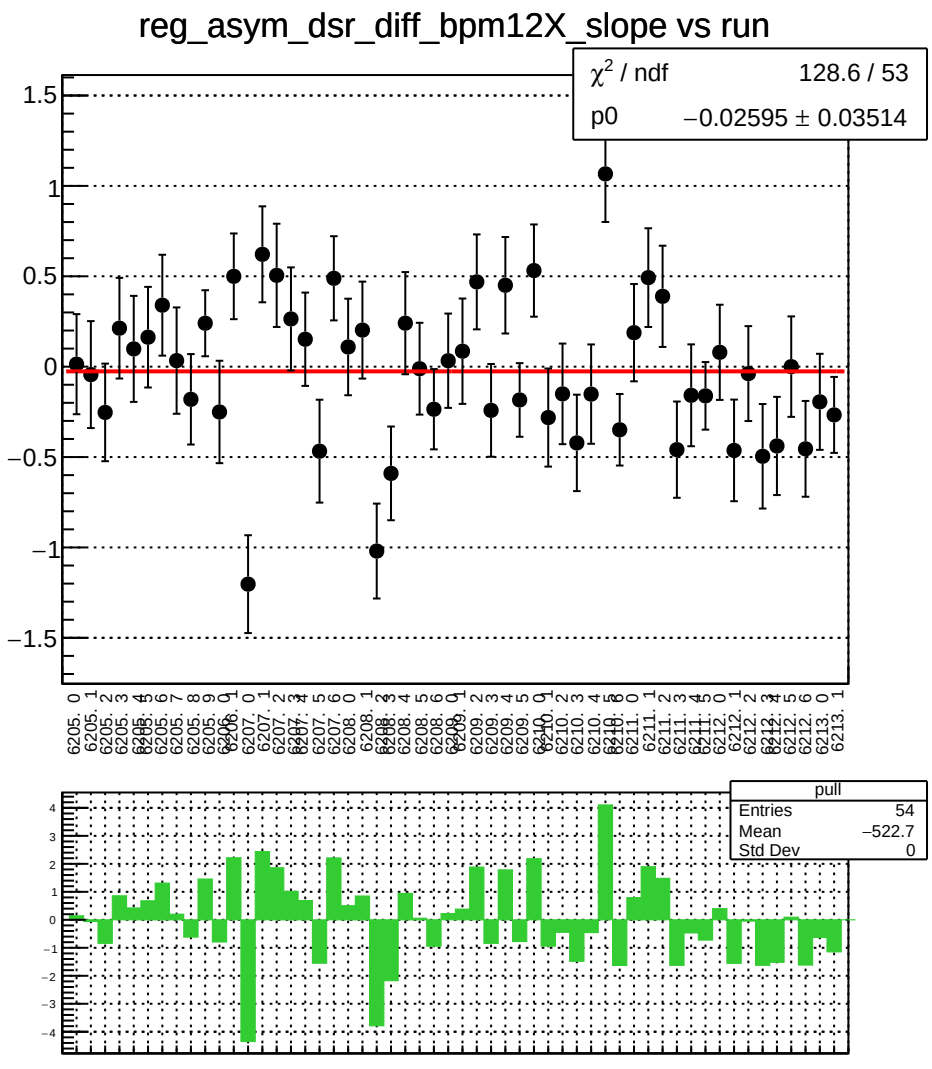

pull1D
Entries 54
Mean −0.03822
Std Dev 1.295

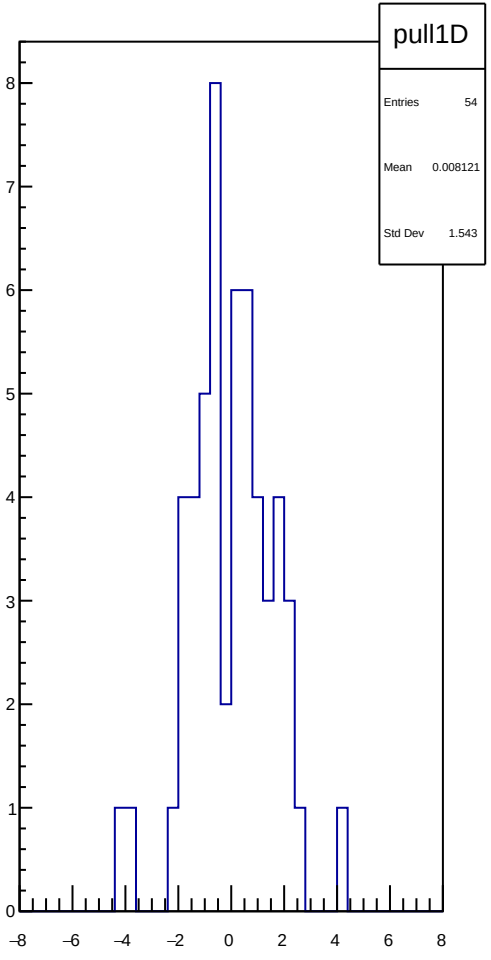

reg_asym_dsr_diff_bpm4eX_slope vs run
χ² / ndf 104.5 / 53
p0 −0.9378 ± 0.4259
pull
Entries 54
Mean 274.5
Std Dev 0

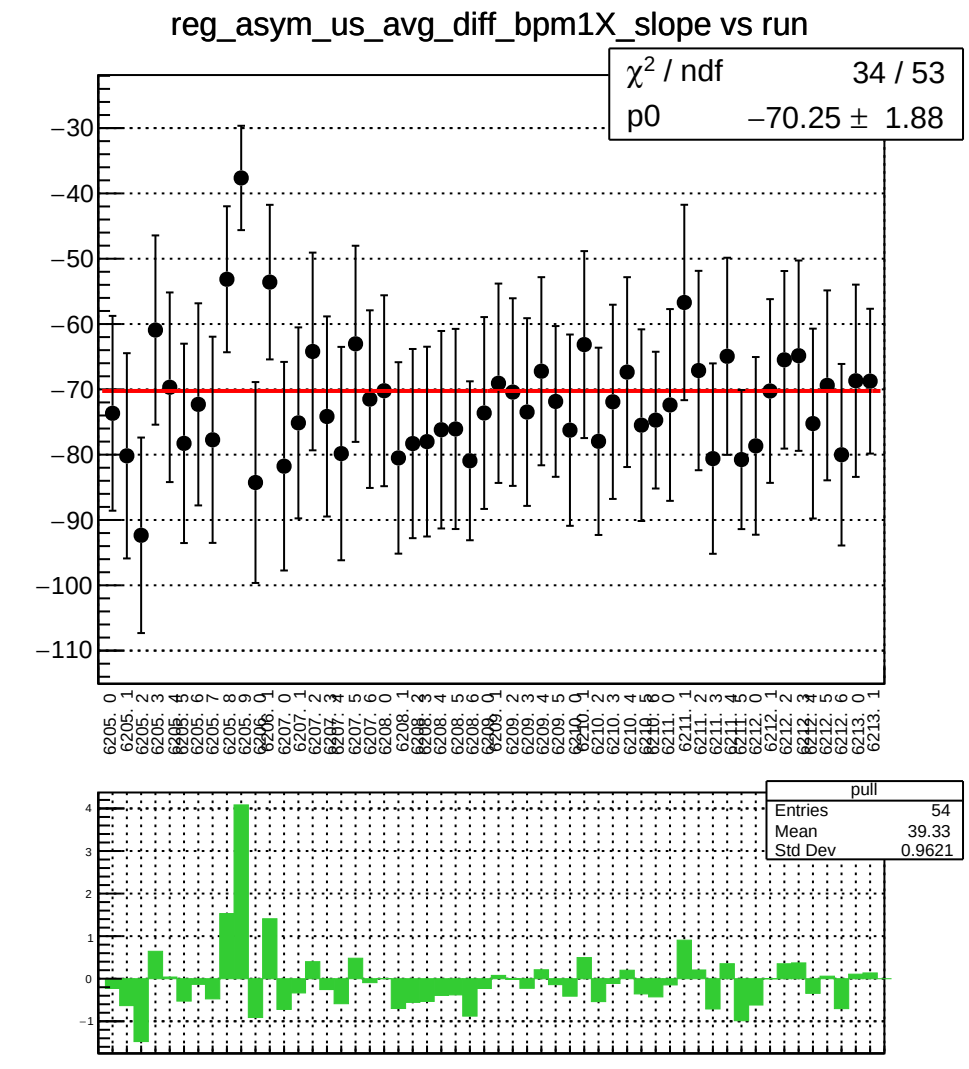

pull1D
Entries 54
Mean 0.02491
Std Dev 1.391

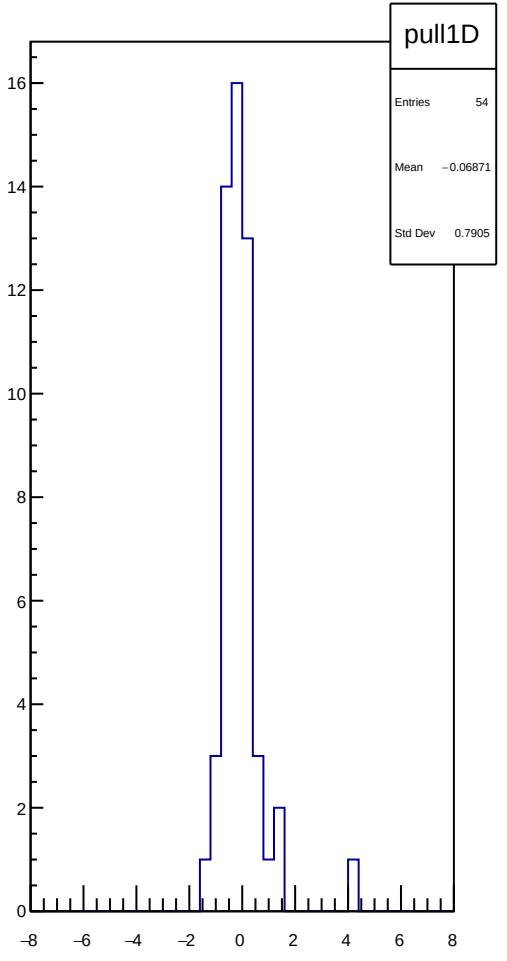

reg_asym_dsr_diff_bpm4eY_slope vs run
χ² / ndf 94.88 / 53
p0 0.7018 ± 0.4275
pull
Entries 54
Mean −70.76
Std Dev 0

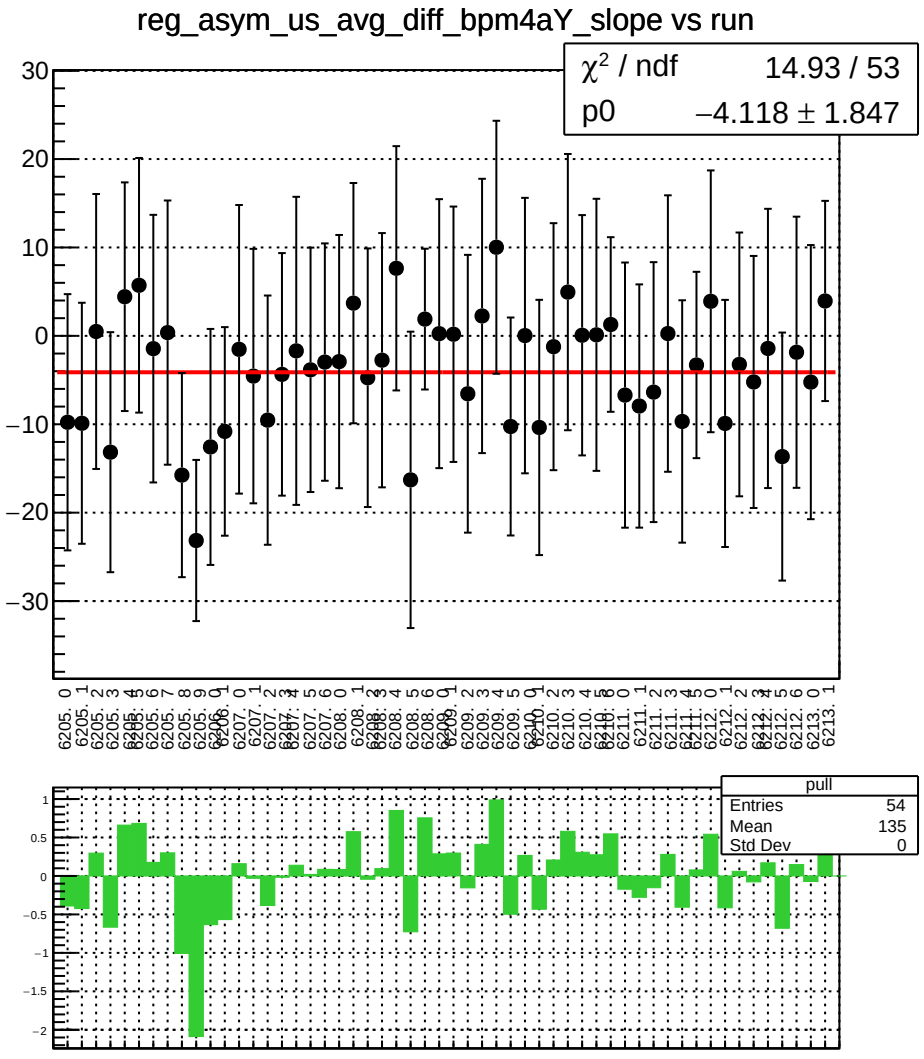

pull1D
Entries 54
Mean 0.04197
Std Dev 1.325

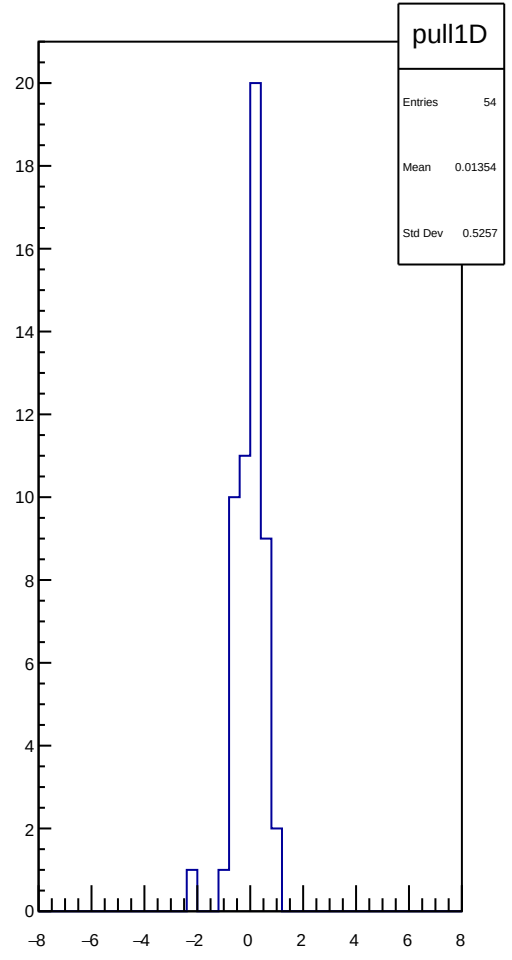

reg_asym_dsr_diff_bpm12X_slope vs run
χ² / ndf 128.6 / 53
p0 −0.02595 ± 0.03514
pull
Entries 54
Mean −522.7
Std Dev 0

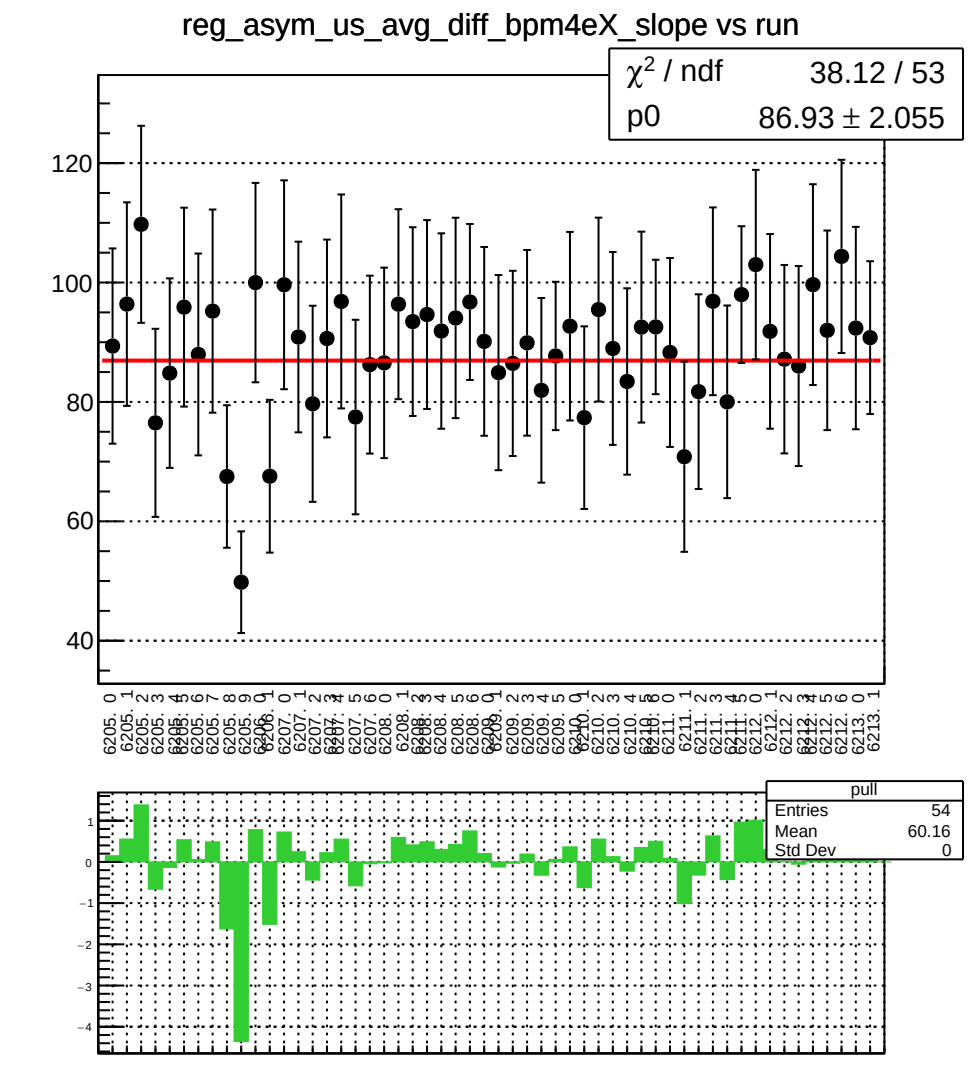

pull1D
Entries 54
Mean 0.008121
Std Dev 1.543

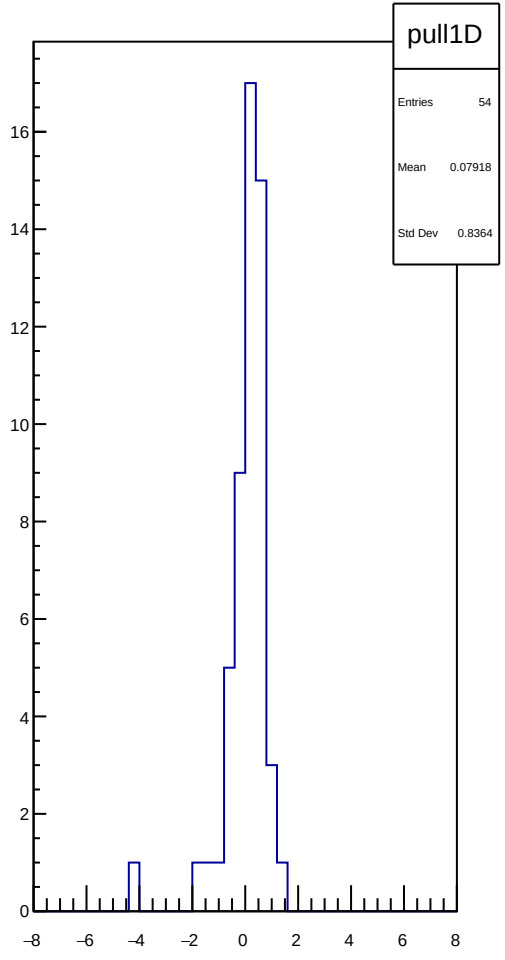

reg_asym_us_avg_diff_bpm1X_slope vs run
χ² / ndf 34 / 53
p0 −70.25 ± 1.88
pull
Entries 54
Mean 39.33
Std Dev 0.9621

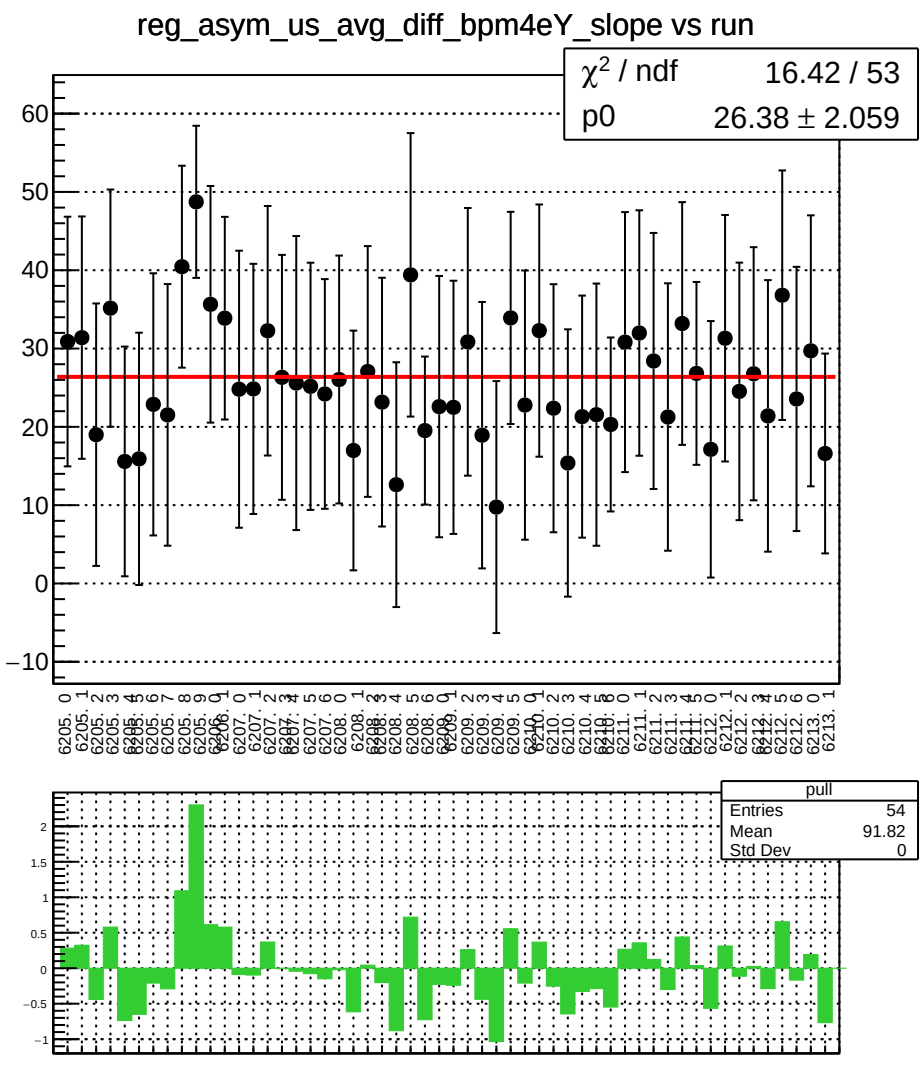

pull1D
Entries 54
Mean −0.06871
Std Dev 0.7905

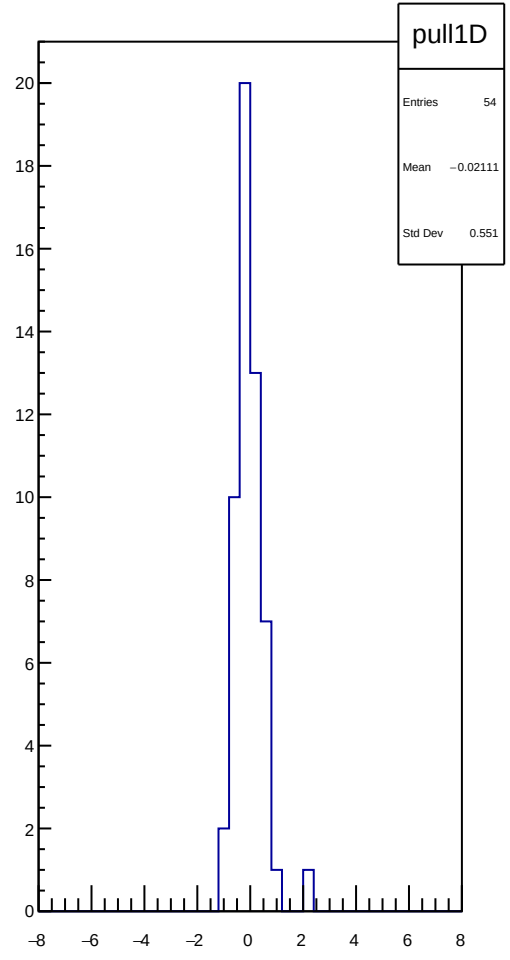

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 14.93 / 53
p0 −4.118 ± 1.847
pull
Entries 54
Mean 135
Std Dev 0

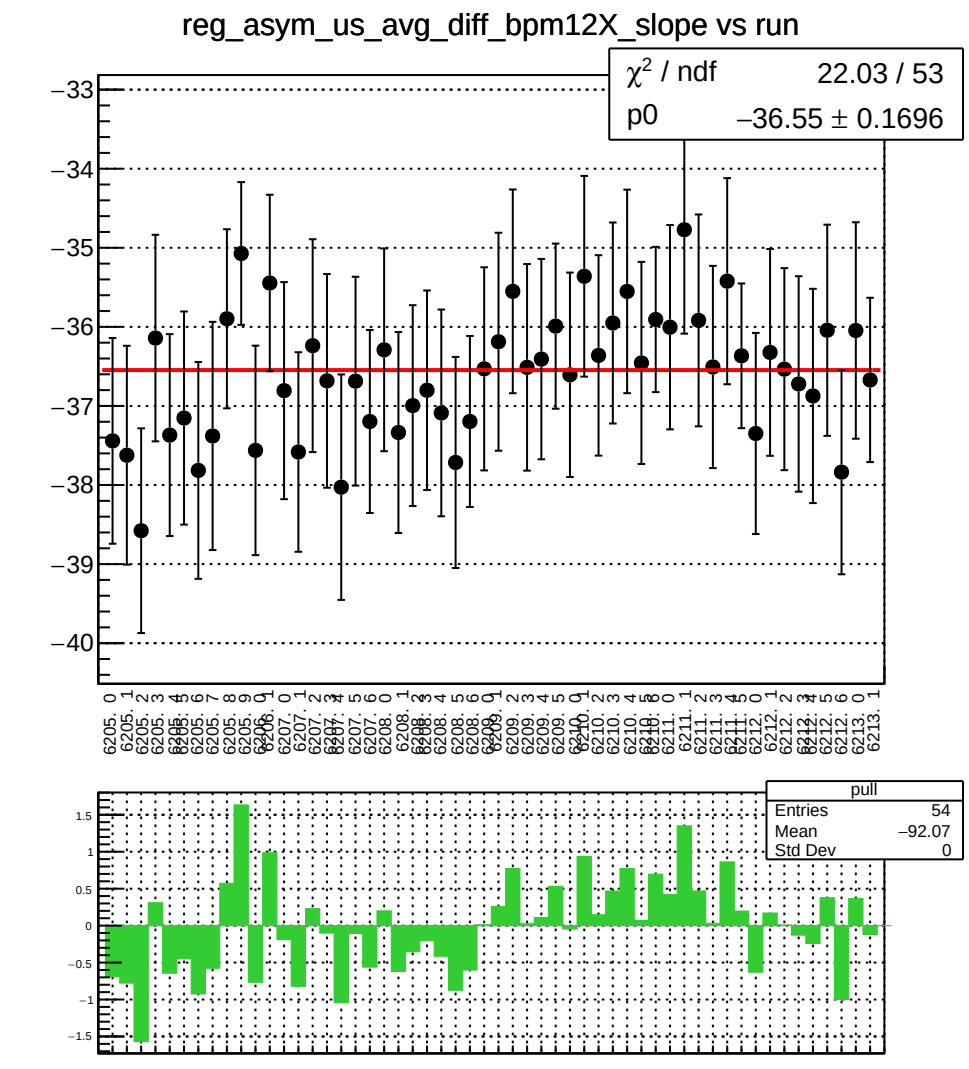

pull1D
Entries 54
Mean 0.01354
Std Dev 0.5257

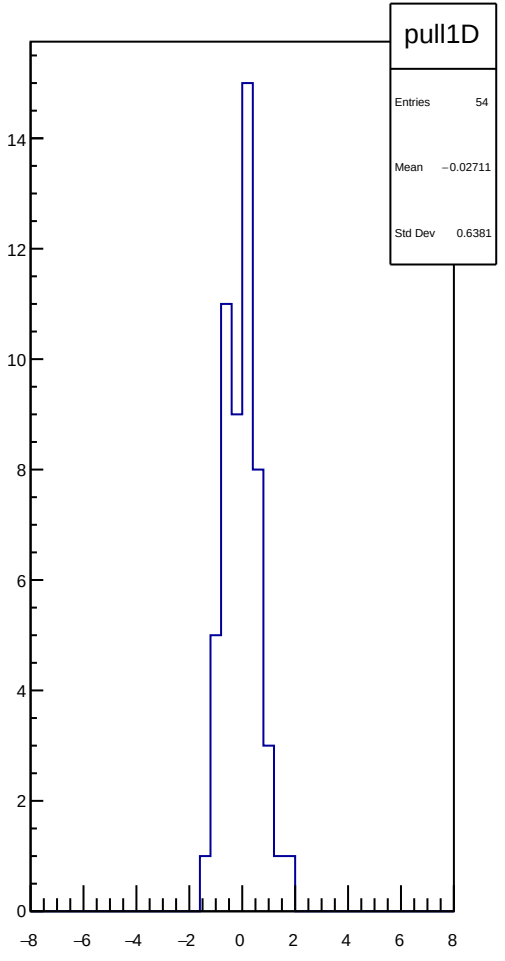

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ² / ndf 38.12 / 53
p0 86.93 ± 2.055
120
100
80
60
40
pull
Entries 54
Mean 60.16
Std Dev 0
1
0
−1
−2
−3
−4

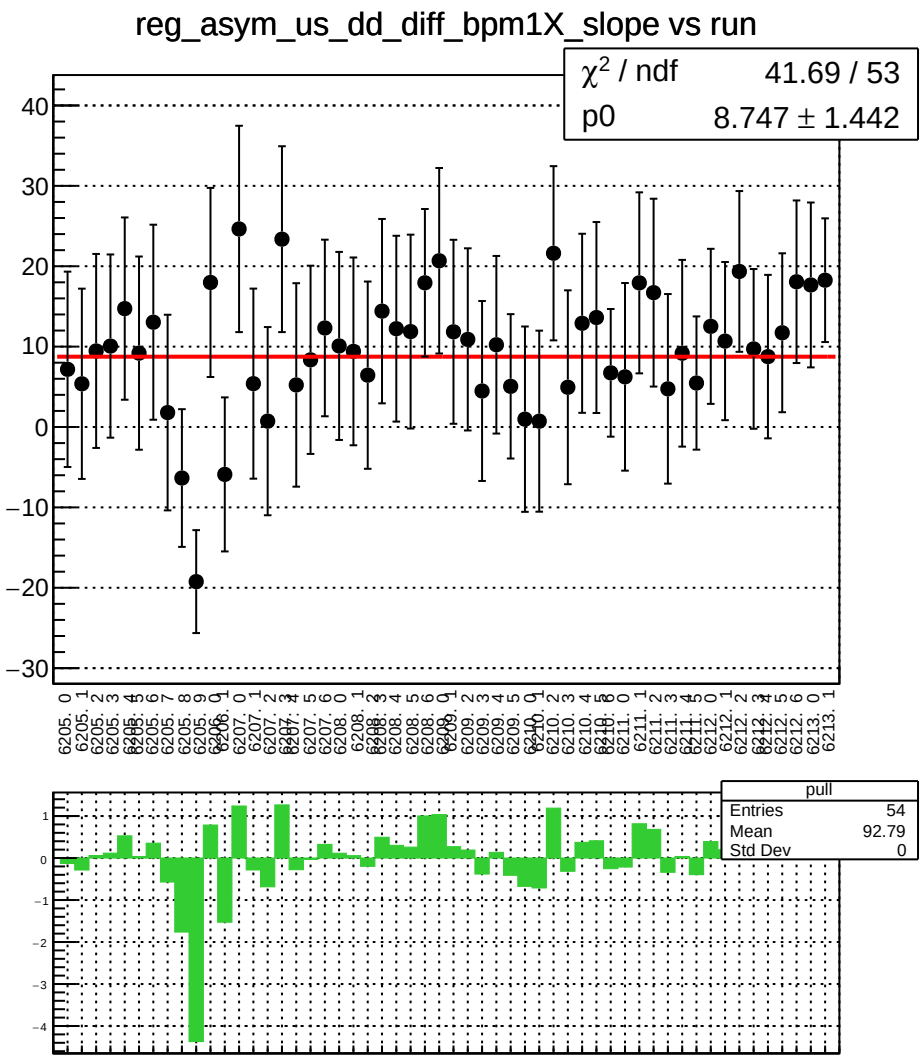

pull1D
Entries 54
Mean 0.07918
Std Dev 0.8364
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

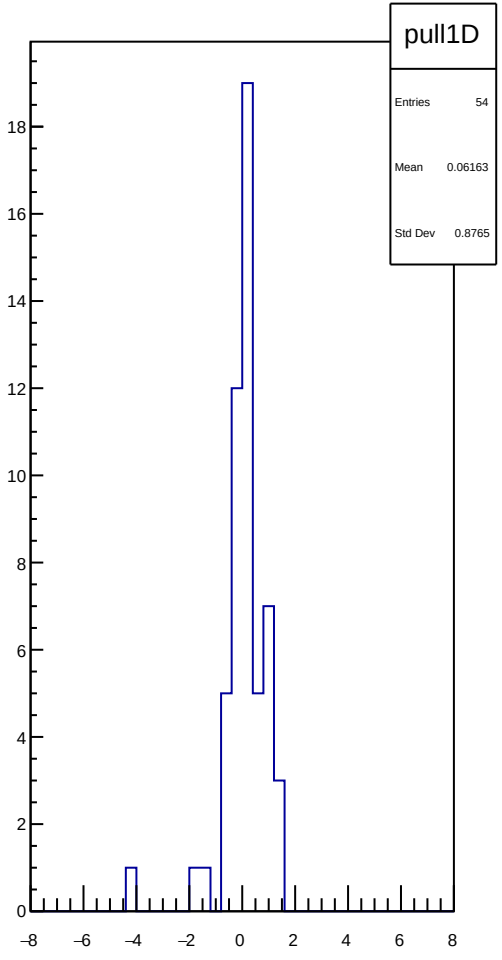

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ² / ndf 16.42 / 53
p0 26.38 ± 2.059
pull
Entries 54
Mean 91.82
Std Dev 0

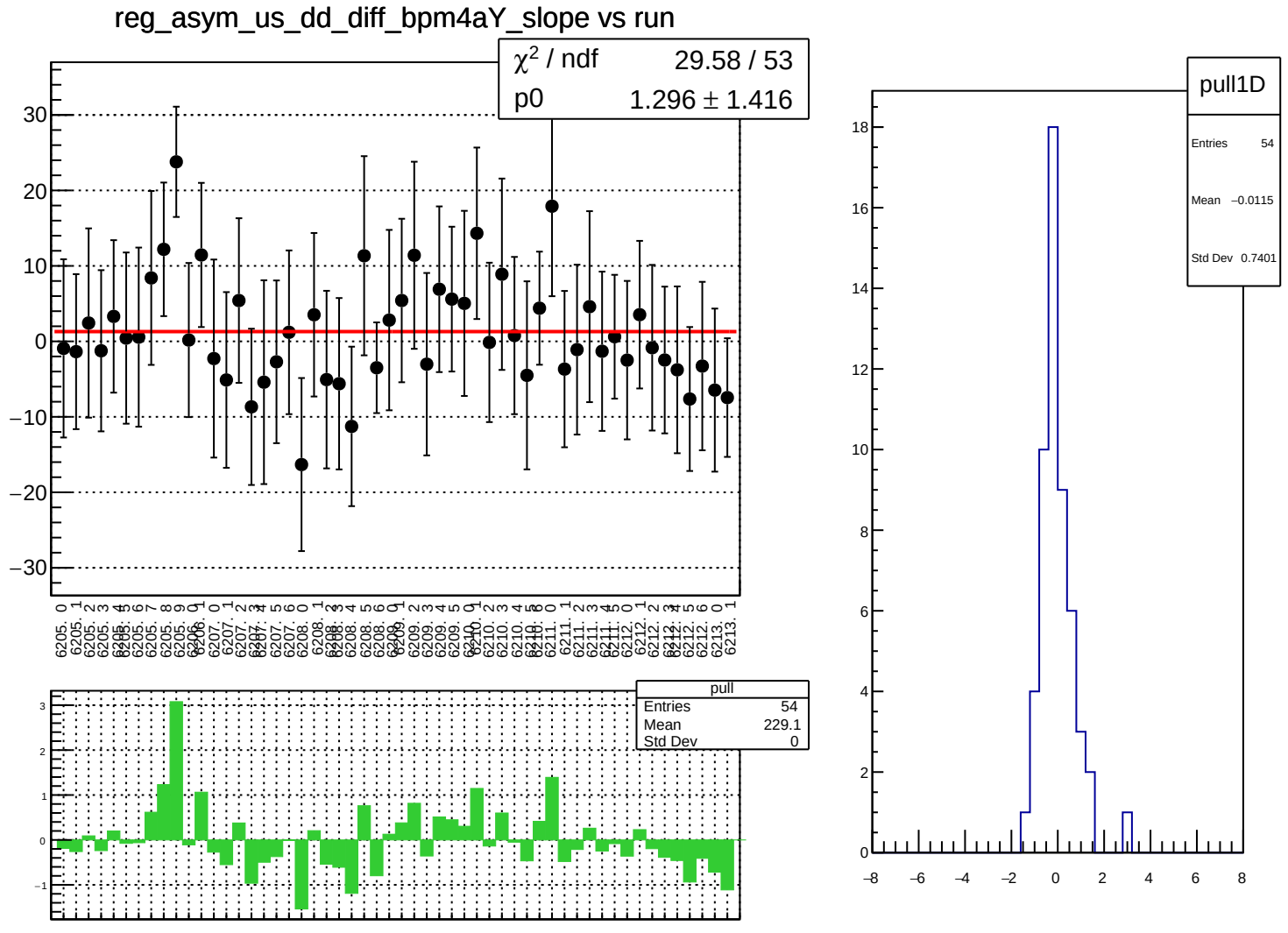

pull1D
Entries 54
Mean −0.02111
Std Dev 0.551

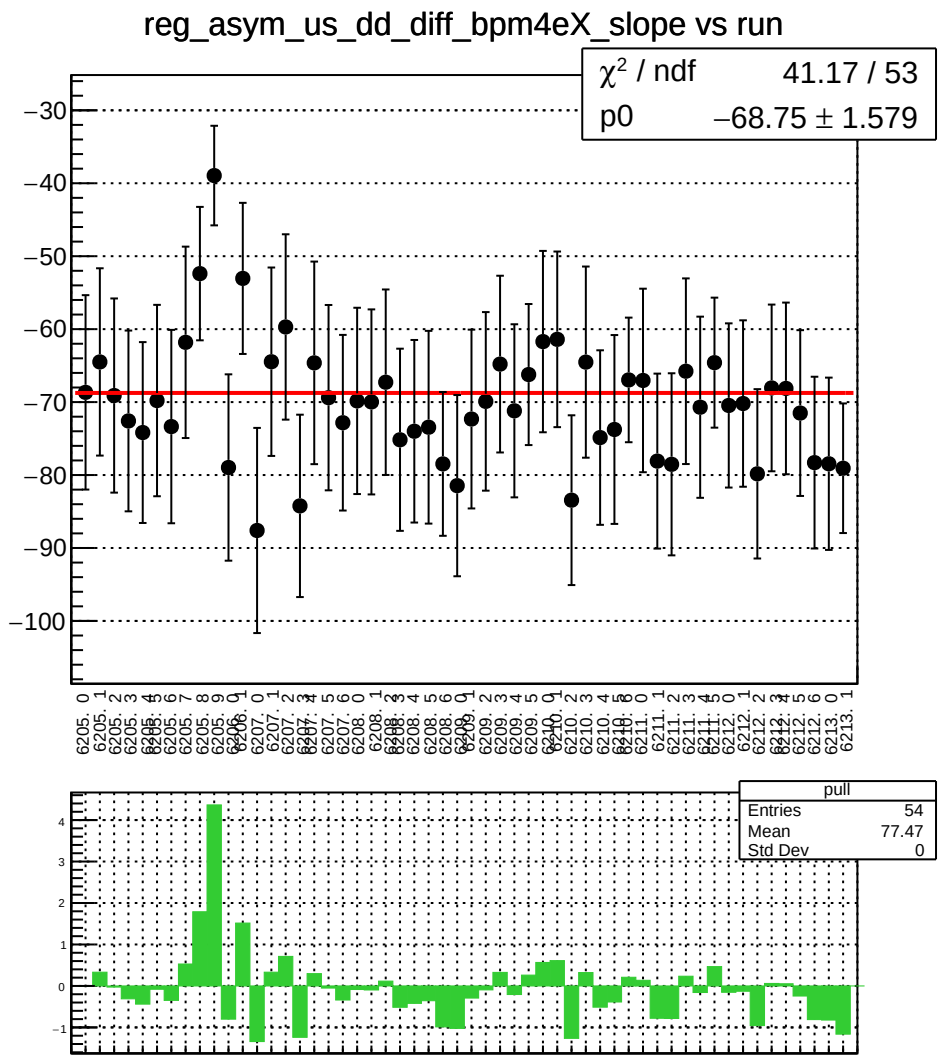

reg_asym_us_avg_diff_bpm12X_slope vs run
χ² / ndf 22.03 / 53
p0 −36.55 ± 0.1696
pull
Entries 54
Mean −92.07
Std Dev 0

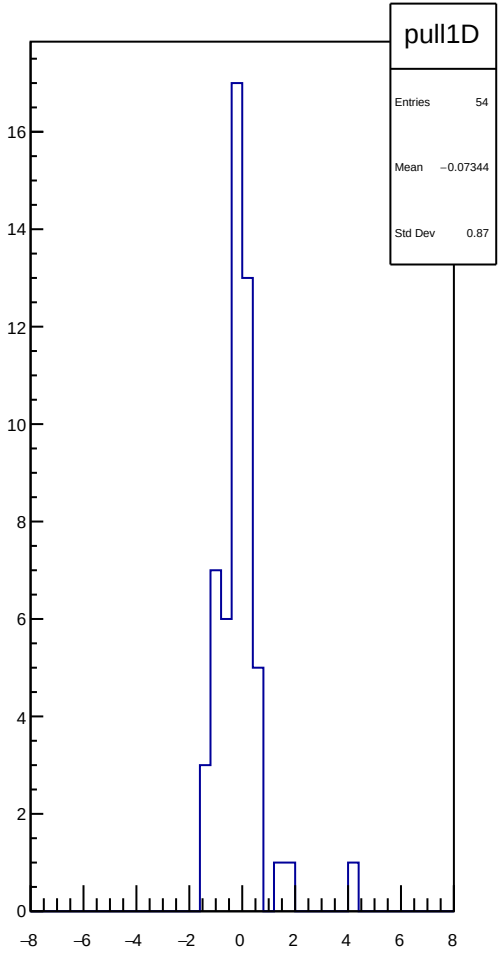

pull1D
Entries 54
Mean −0.02711
Std Dev 0.6381

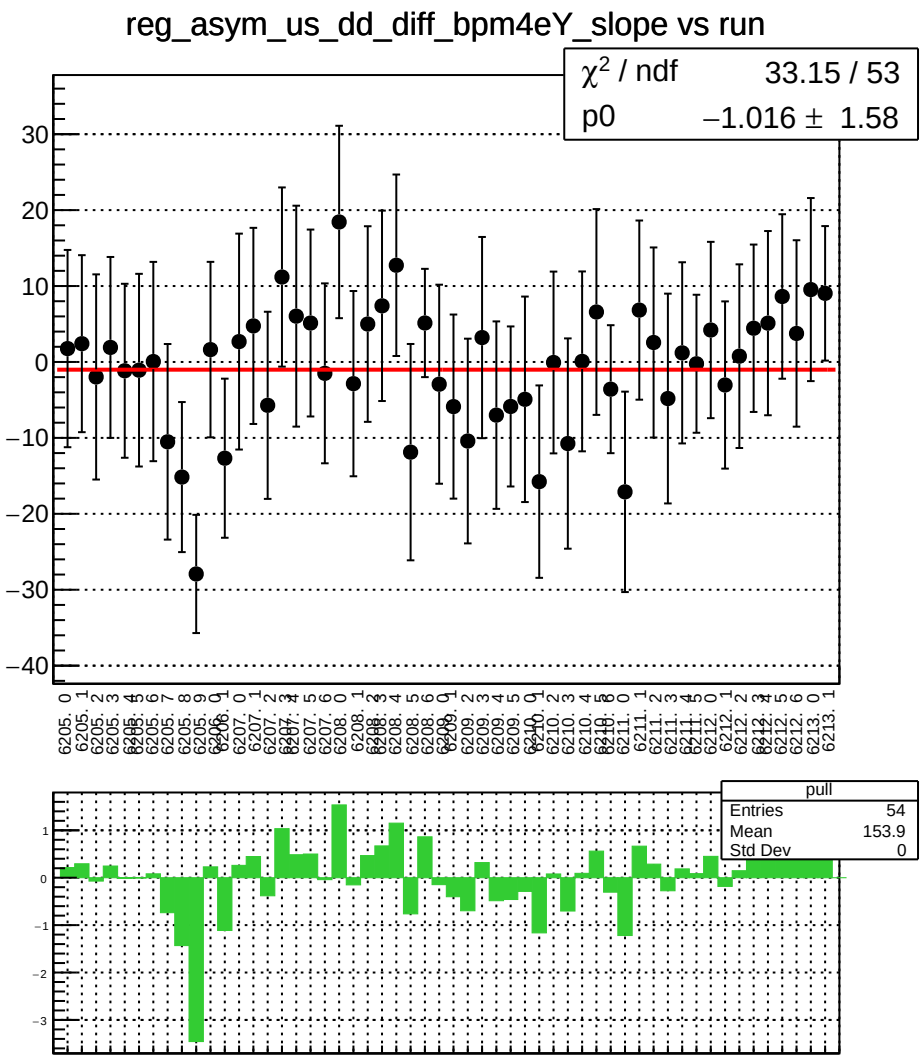

reg_asym_us_dd_diff_bpm1X_slope vs run
χ² / ndf 41.69 / 53
p0 8.747 ± 1.442
pull
Entries 54
Mean 92.79
Std Dev 0

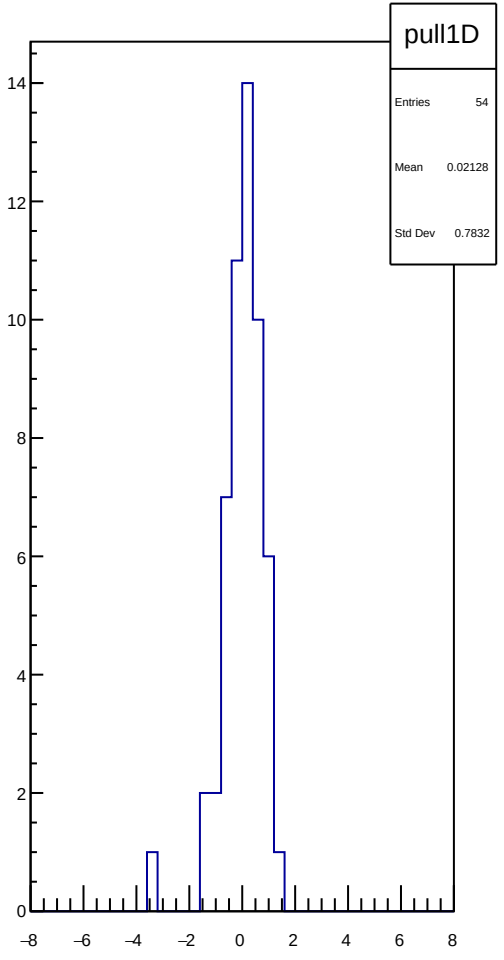

pull1D
Entries 54
Mean 0.06163
Std Dev 0.8765

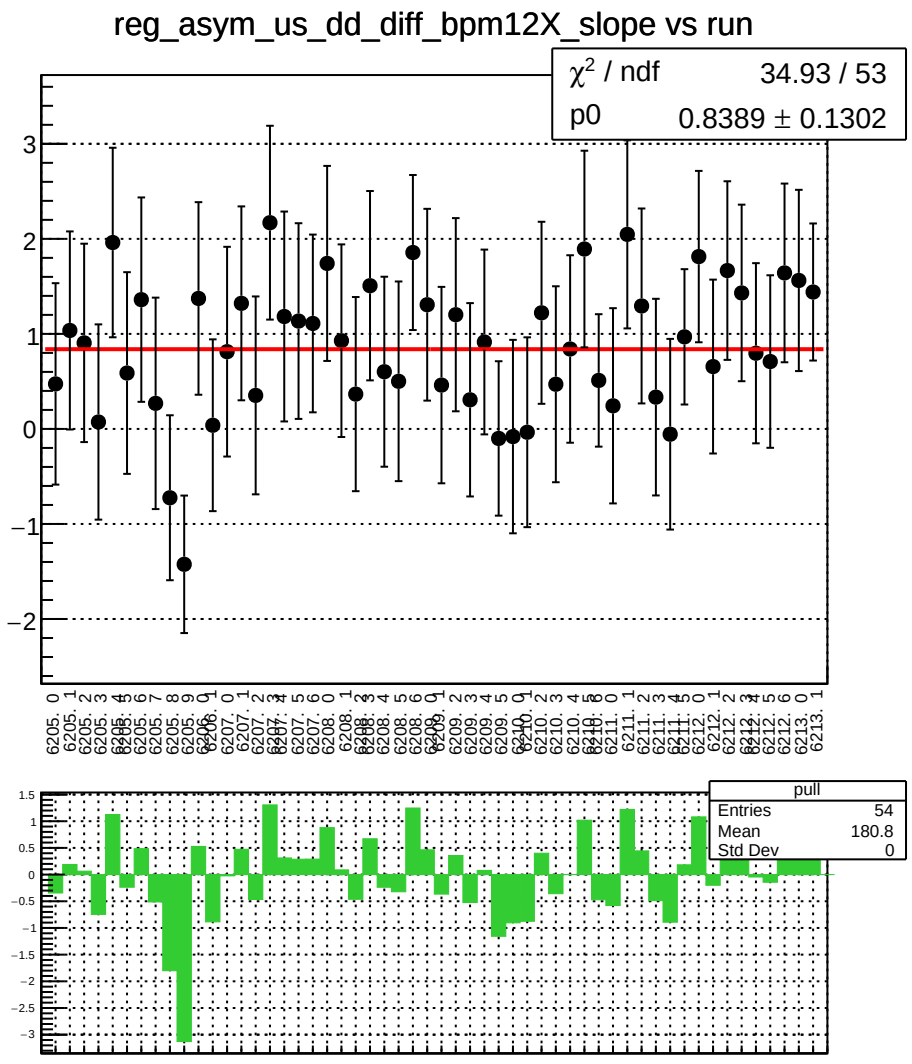

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ² / ndf 29.58 / 53
p0 1.296 ± 1.416
pull
Entries 54
Mean 229.1
Std Dev 0
pull1D
Entries 54
Mean −0.0115
Std Dev 0.7401

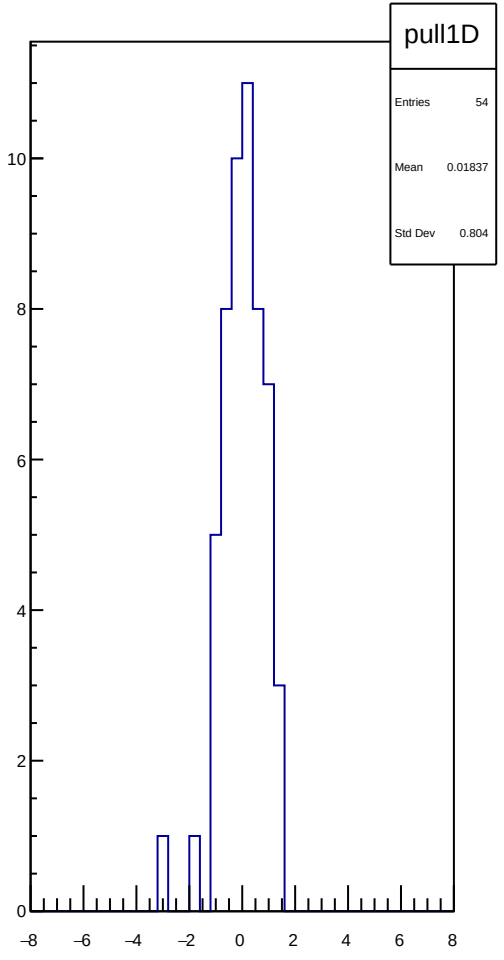

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ² / ndf 41.17 / 53
p0 −68.75 ± 1.579
pull
Entries 54
Mean 77.47
Std Dev 0

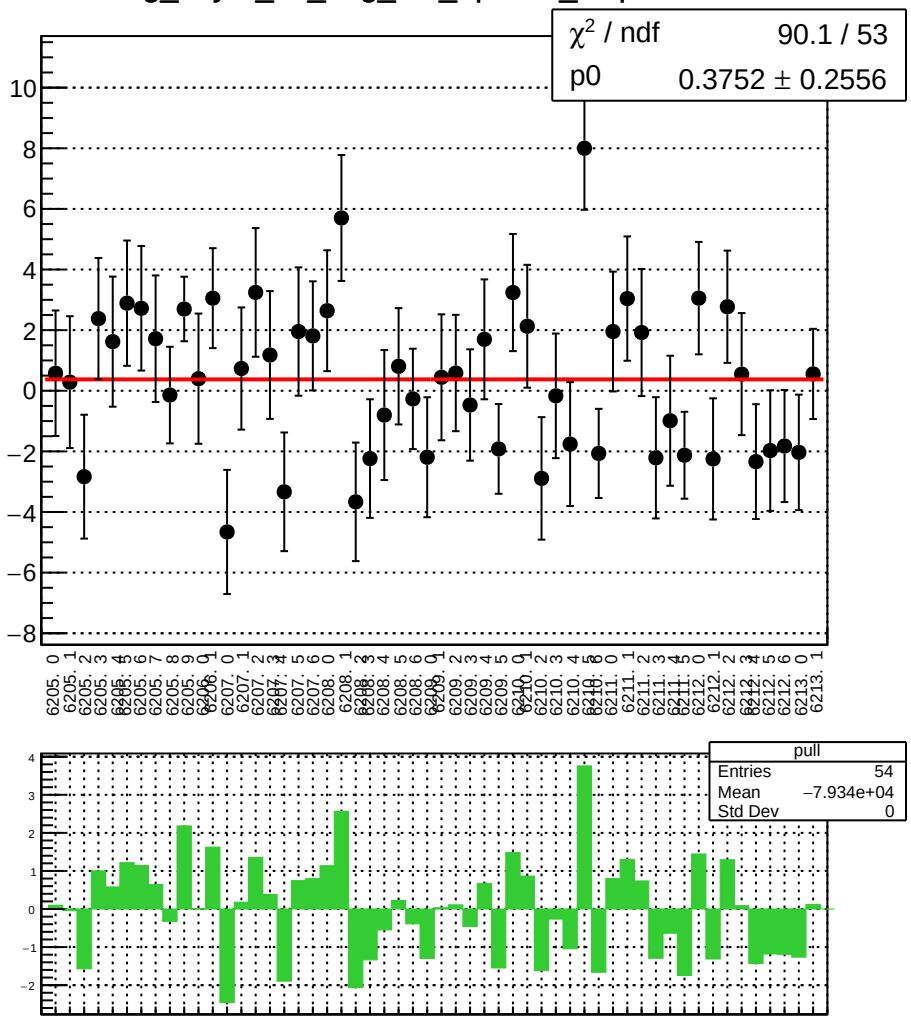

pull1D
Entries 54
Mean −0.07344
Std Dev 0.87

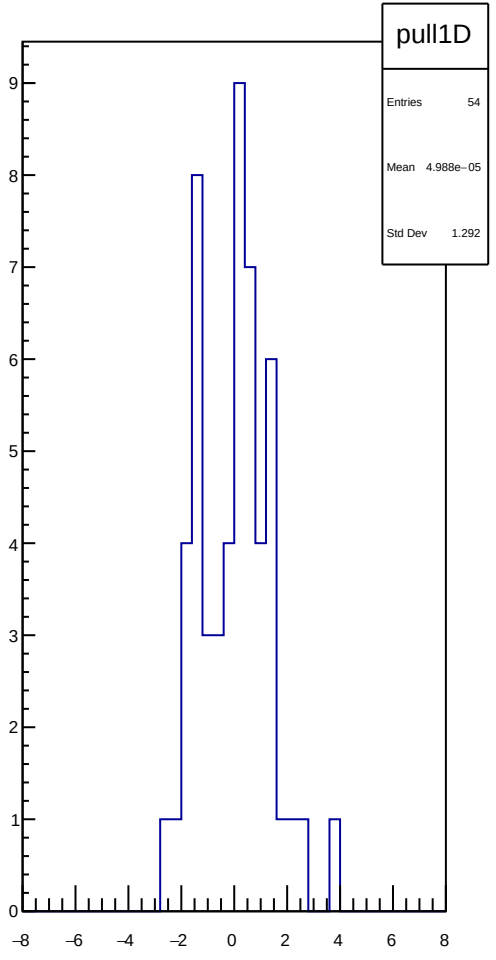

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ² / ndf 33.15 / 53
p0 −1.016 ± 1.58
pull
Entries 54
Mean 153.9
Std Dev 0

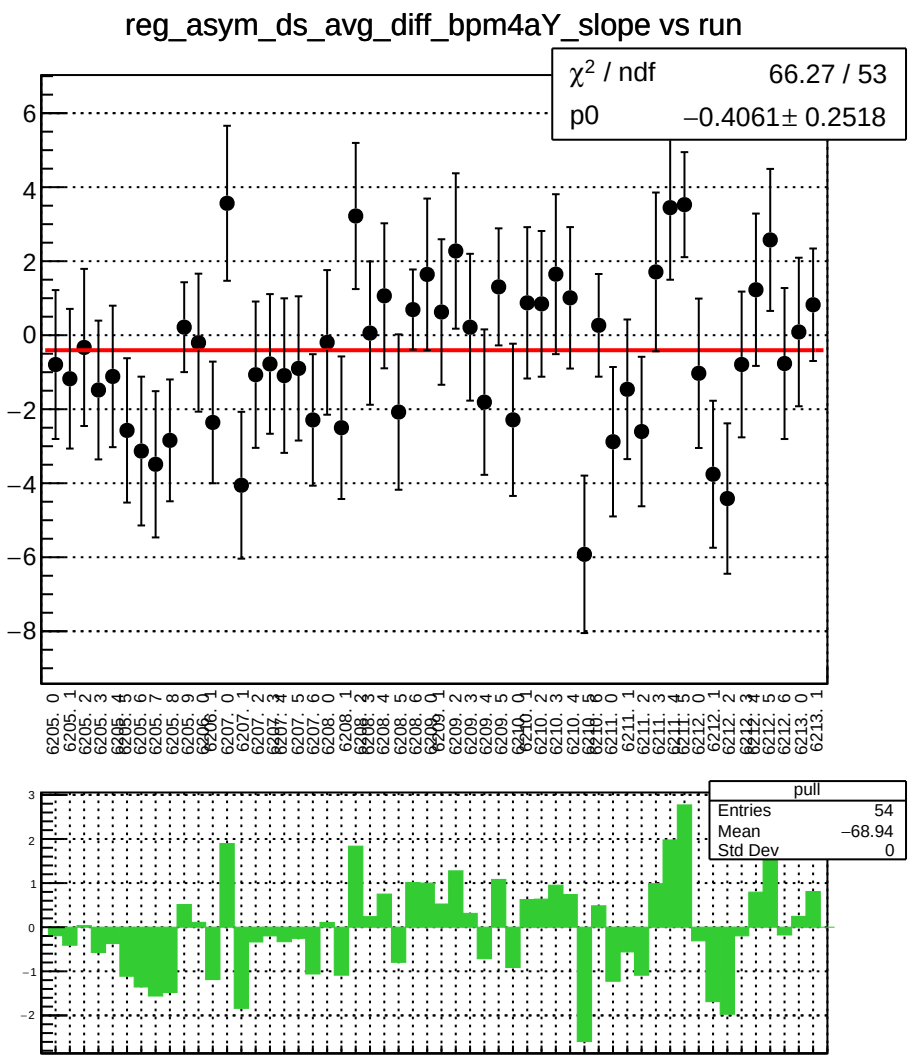

pull1D
Entries 54
Mean 0.02128
Std Dev 0.7832

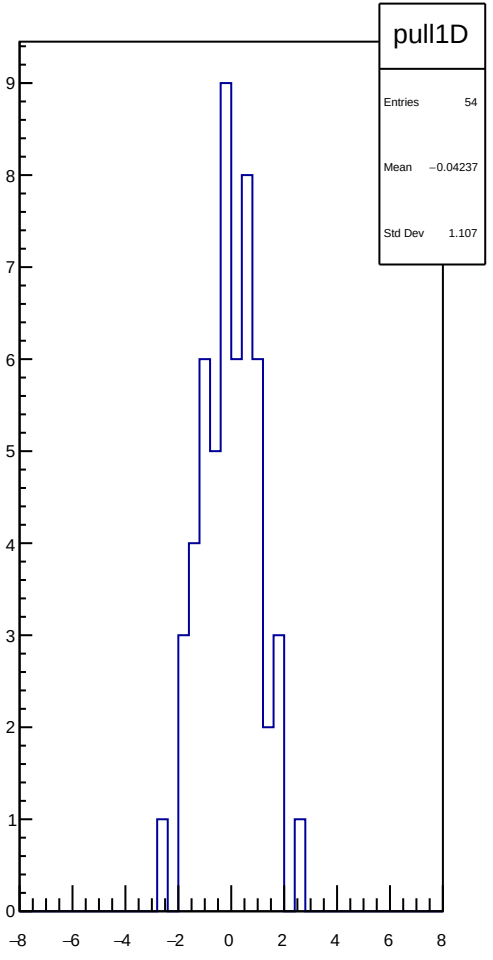

reg_asym_us_dd_diff_bpm12X_slope vs run
χ² / ndf 34.93 / 53
p0 0.8389 ± 0.1302
pull
Entries 54
Mean 180.8
Std Dev 0

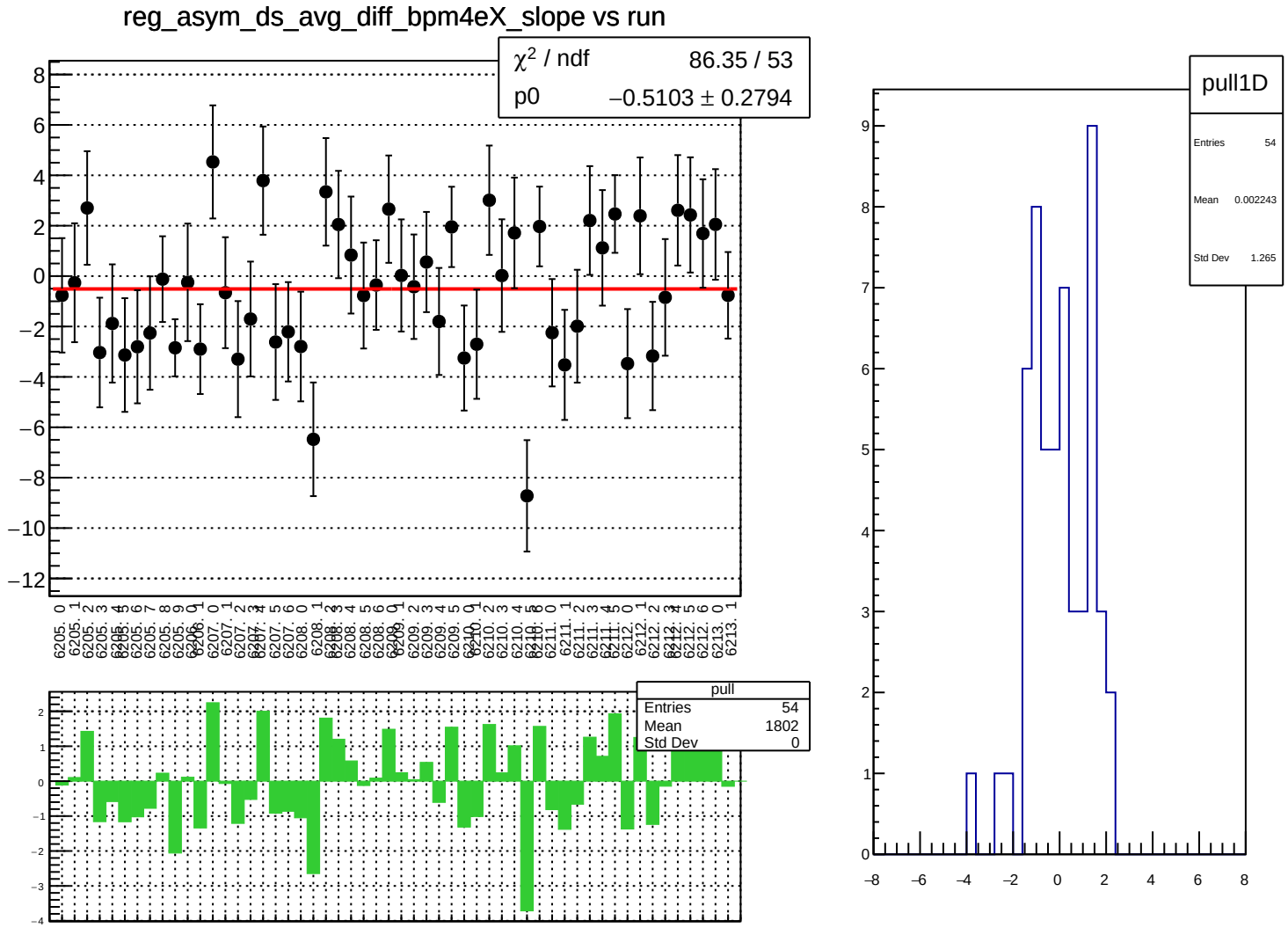

pull1D
Entries 54
Mean 0.01837
Std Dev 0.804

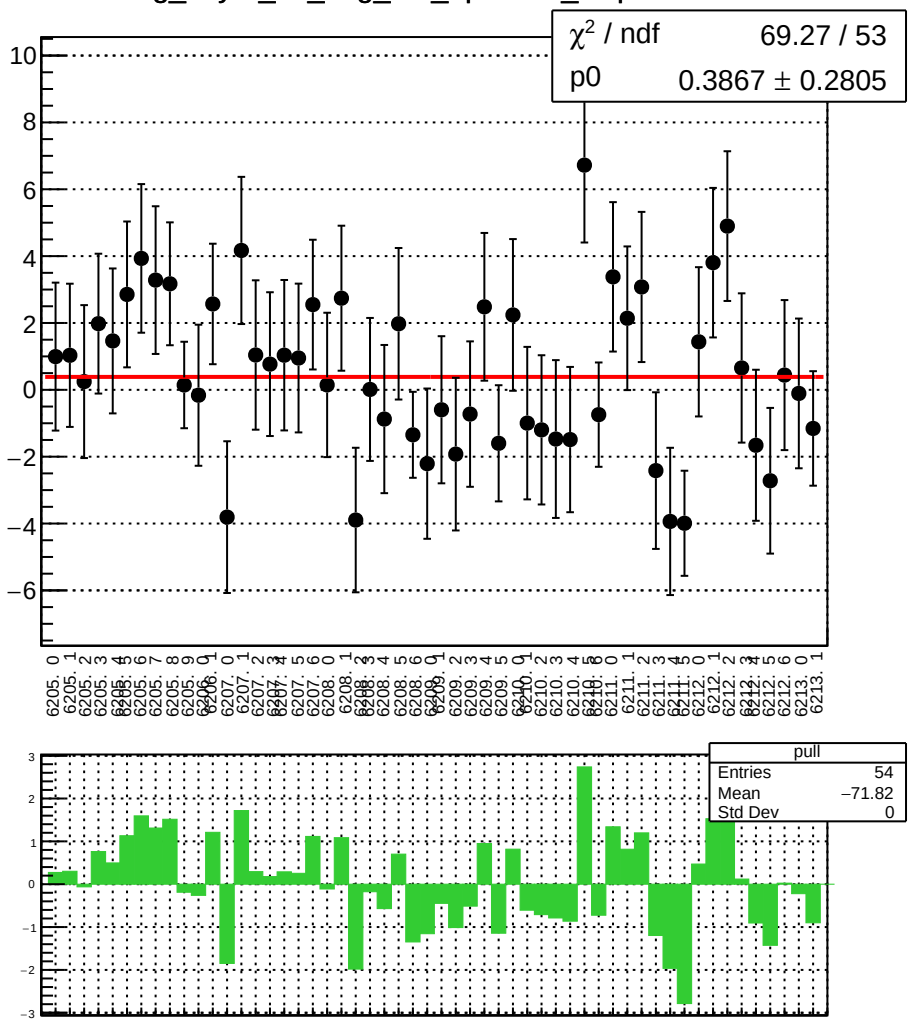

reg_asym_ds_avg_diff_bpm1X_slope vs run
χ² / ndf 90.1 / 53
p0 0.3752 ± 0.2556
pull
Entries 54
Mean −7.934e+04
Std Dev 0

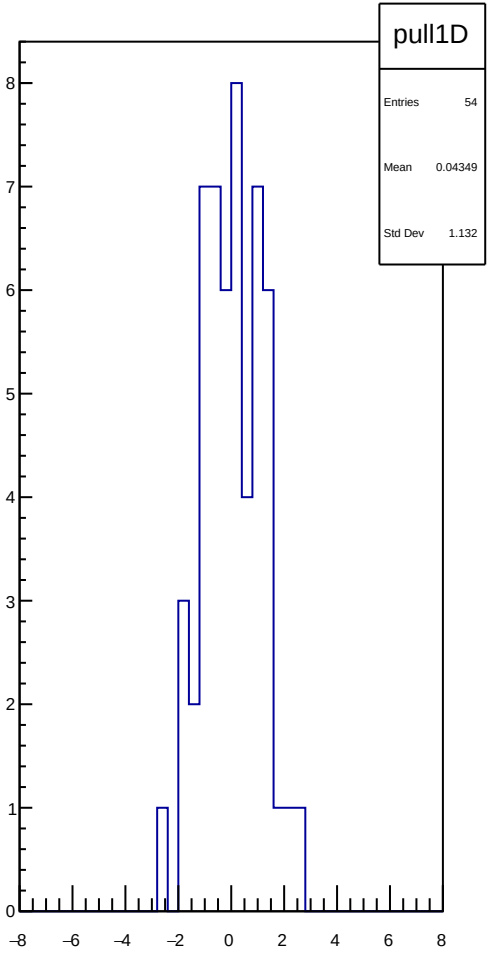

pull1D
Entries 54
Mean 4.988e−05
Std Dev 1.292

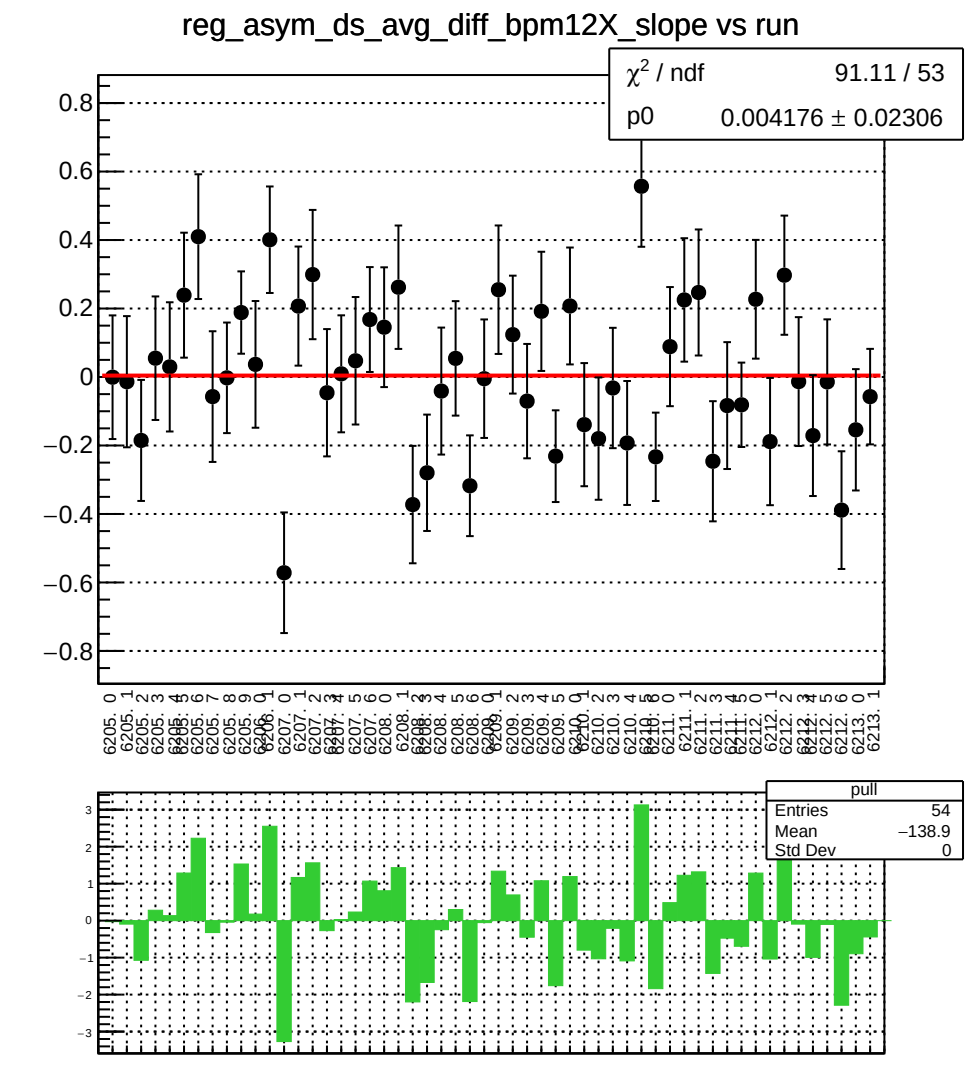

reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 66.27 / 53
p0 −0.4061± 0.2518
pull
Entries 54
Mean −68.94
Std Dev 0

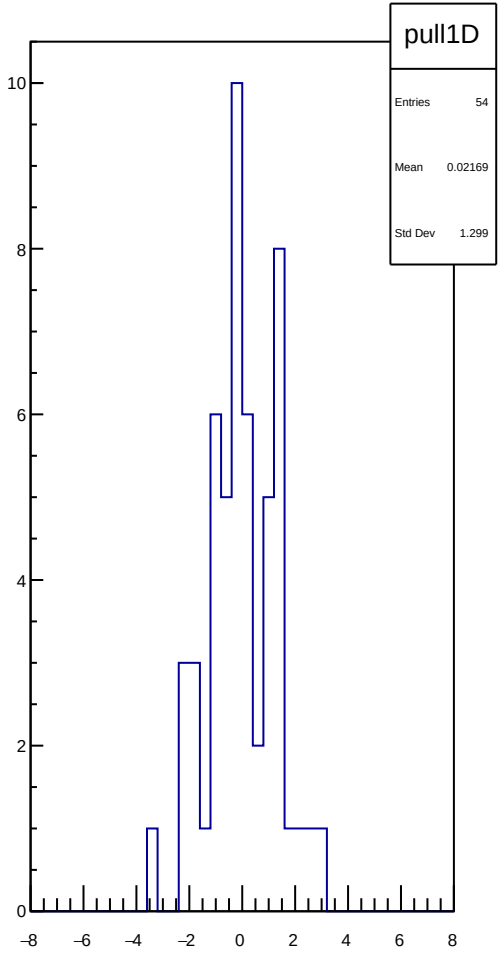

pull1D
Entries 54
Mean −0.04237
Std Dev 1.107

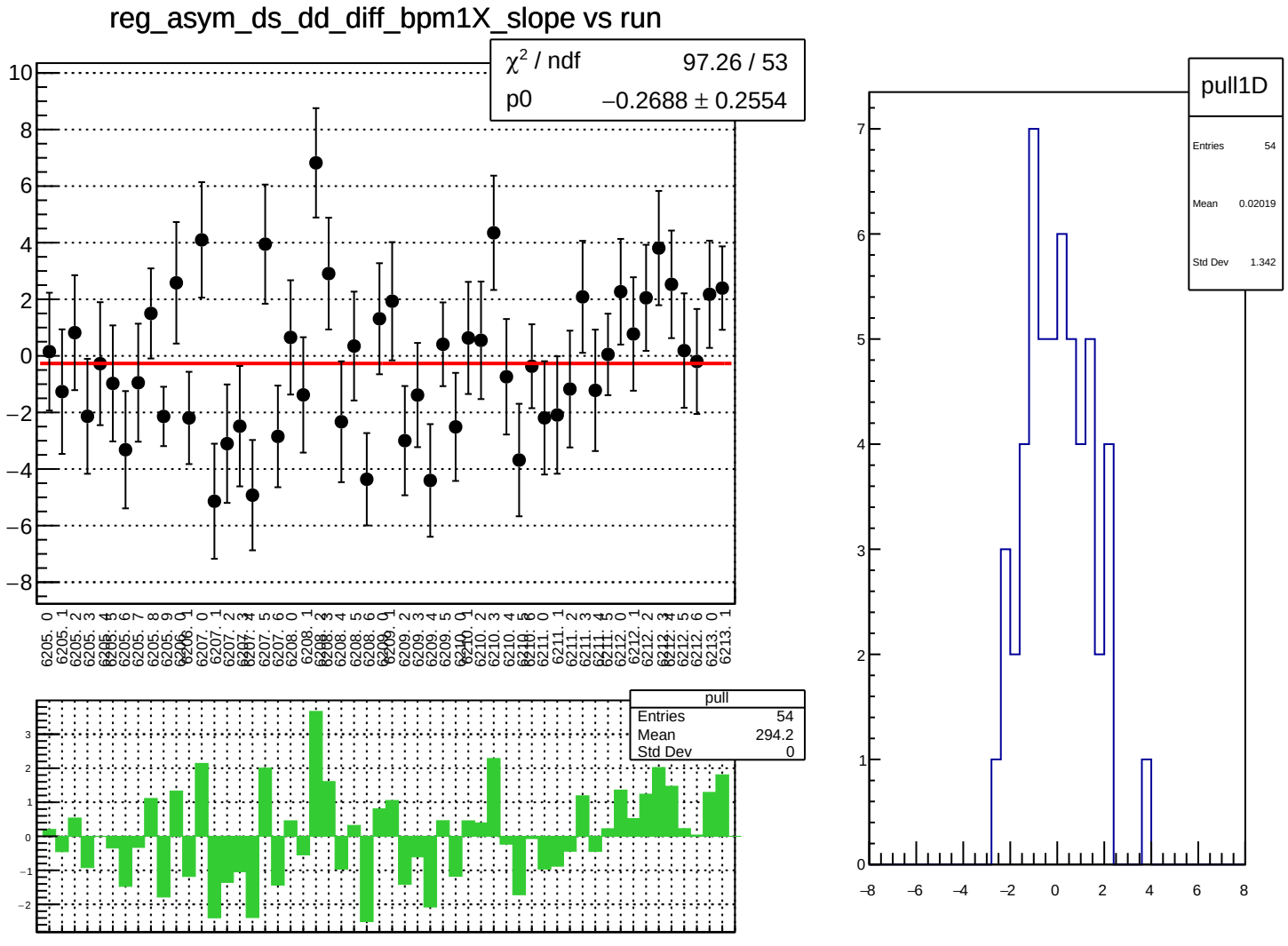

reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 86.35 / 53
p0 −0.5103 ± 0.2794
pull
Entries 54
Mean 1802
Std Dev 0
pull1D
Entries 54
Mean 0.002243
Std Dev 1.265

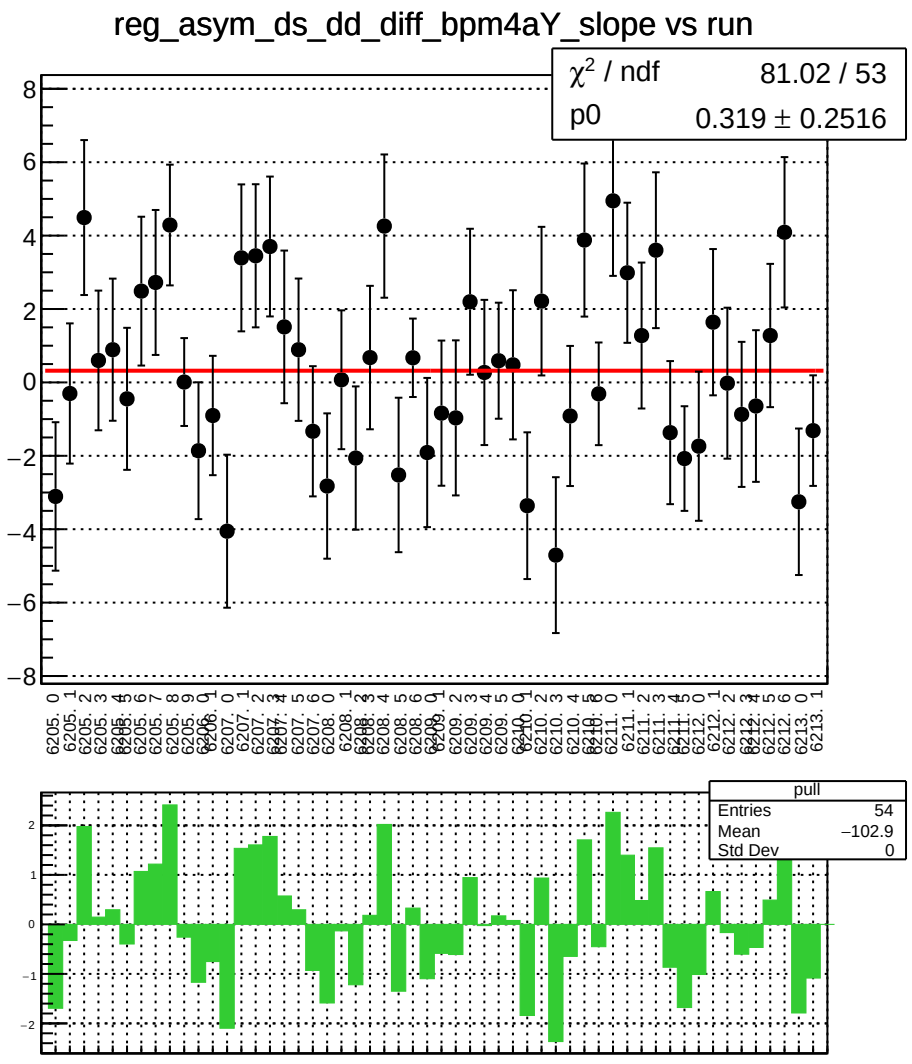

reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 69.27 / 53
p0 0.3867 ± 0.2805
pull
Entries 54
Mean −71.82
Std Dev 0

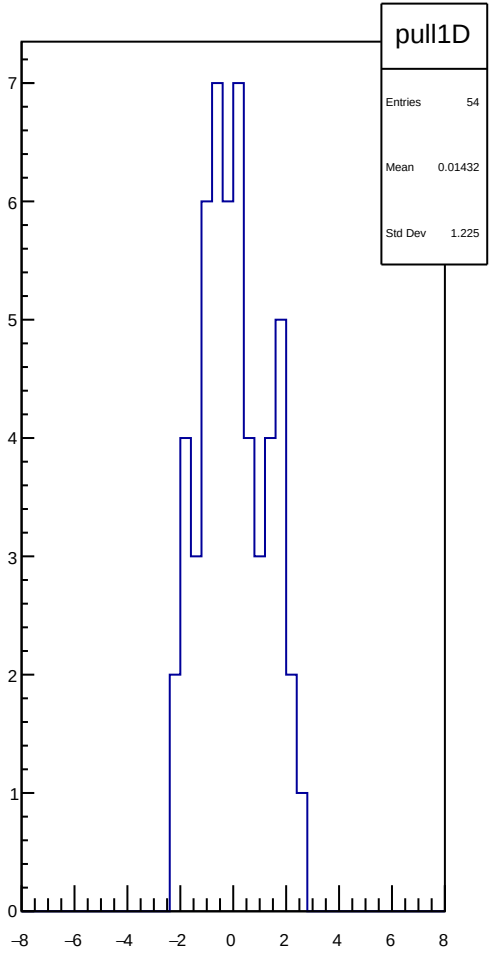

pull1D
Entries 54
Mean 0.04349
Std Dev 1.132

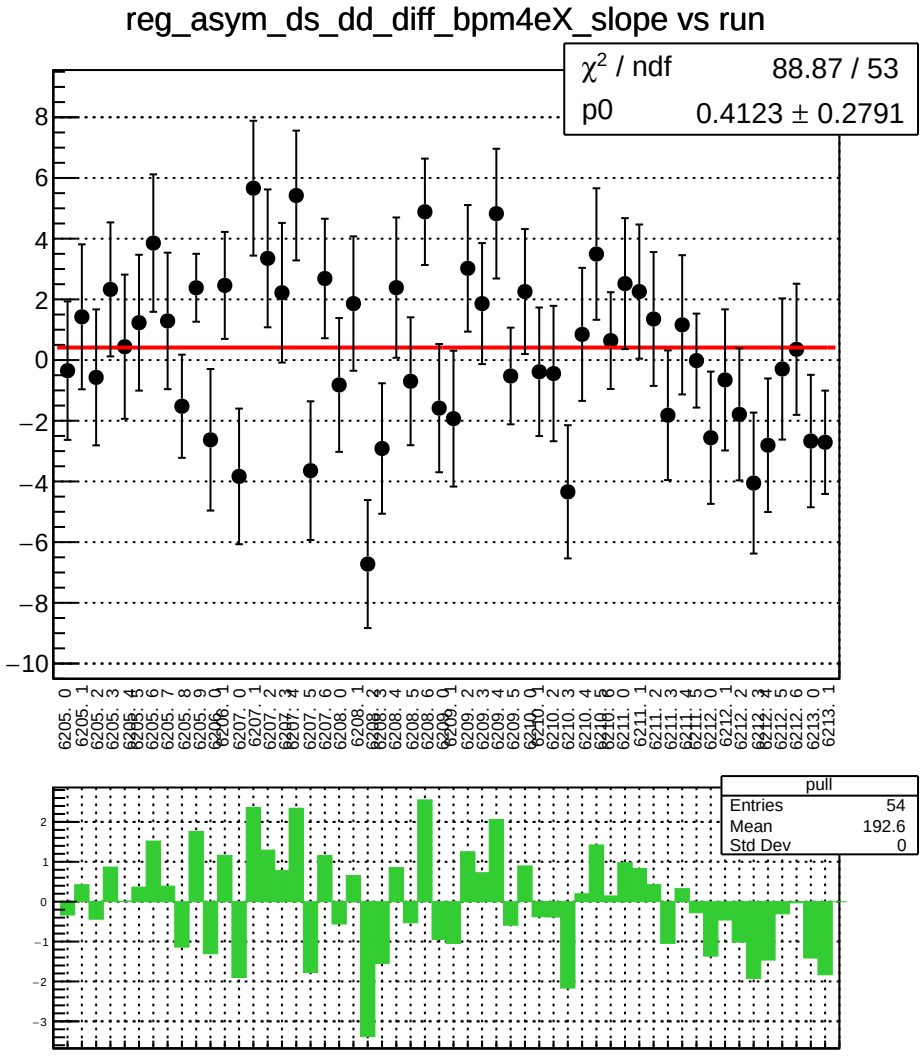

reg_asym_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 91.11 / 53
p0 0.004176 ± 0.02306
pull
Entries 54
Mean −138.9
Std Dev 0

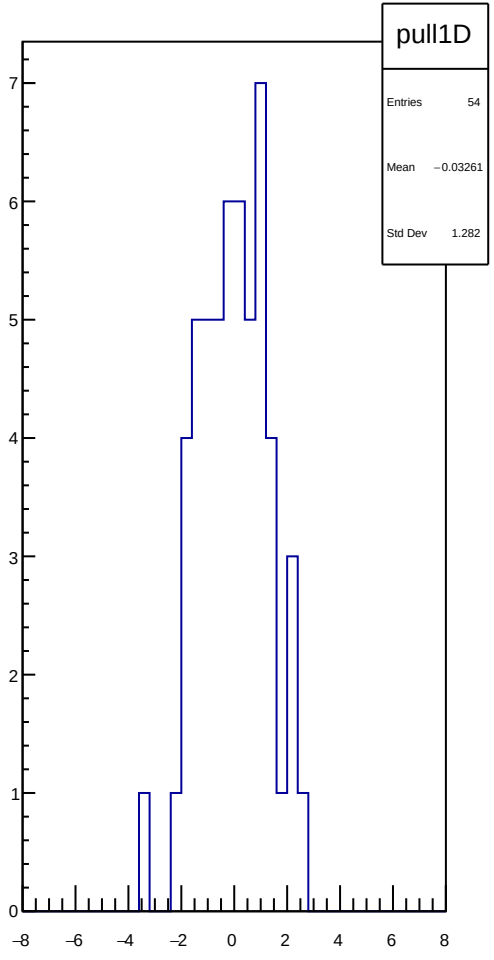

pull1D
Entries 54
Mean 0.02169
Std Dev 1.299

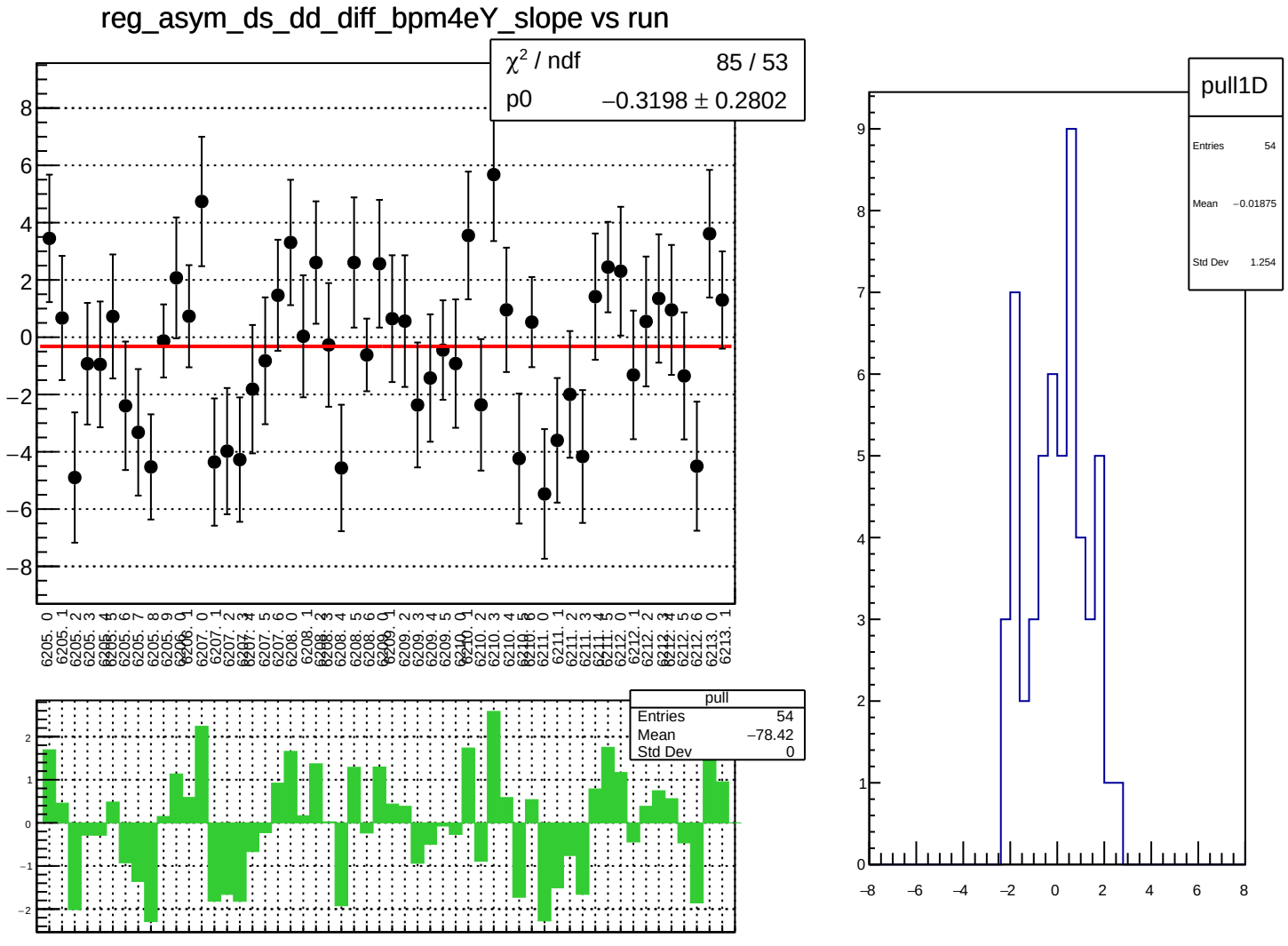

reg_asym_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 97.26 / 53
p0 −0.2688 ± 0.2554
pull
Entries 54
Mean 294.2
Std Dev 0
pull1D
Entries 54
Mean 0.02019
Std Dev 1.342

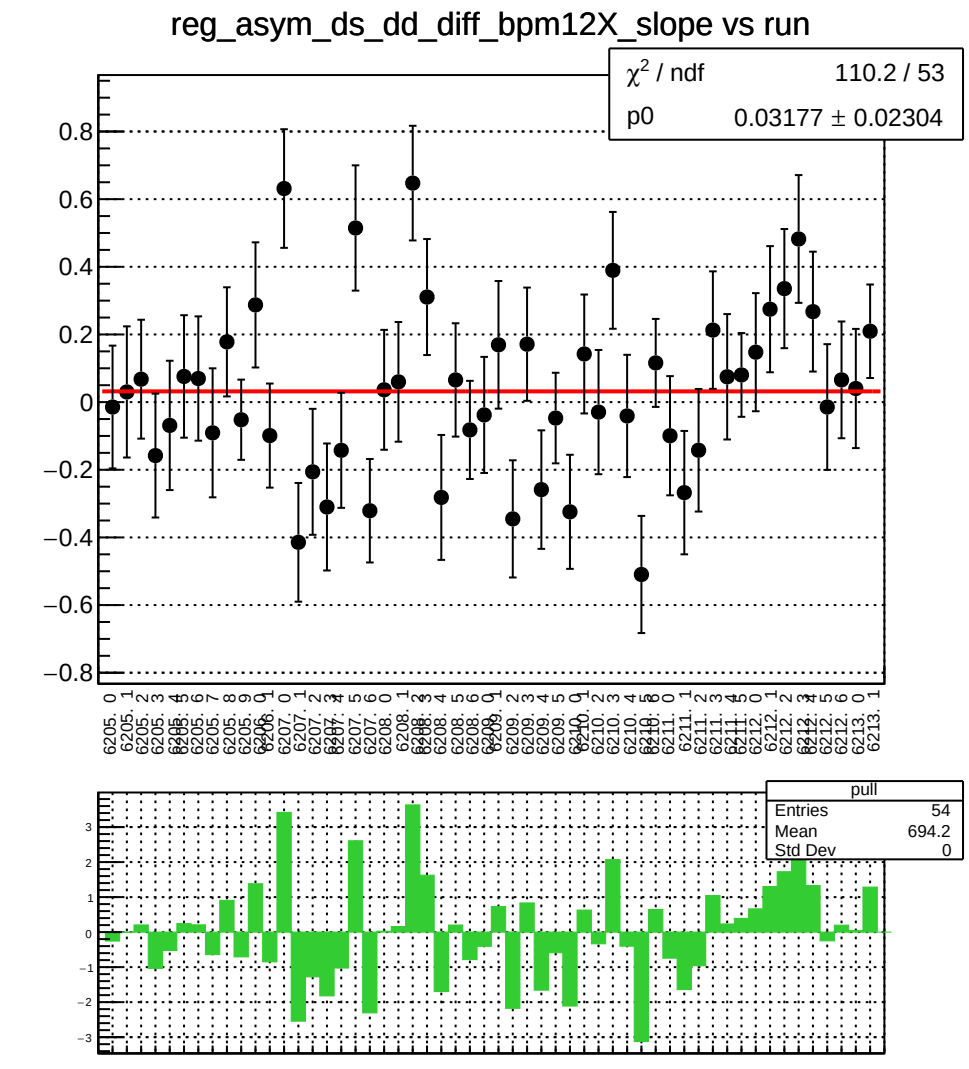

reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 81.02 / 53
p0 0.319 ± 0.2516
pull
Entries 54
Mean −102.9
Std Dev 0

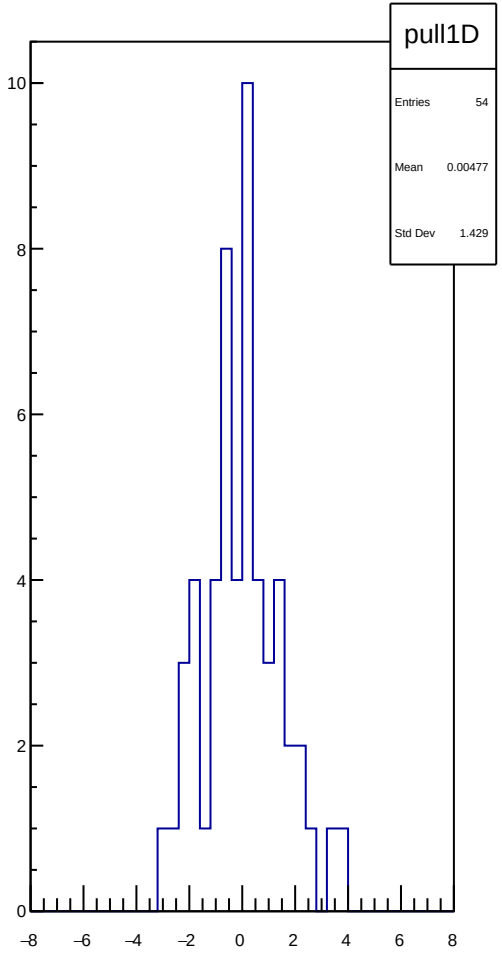

pull1D
Entries 54
Mean 0.01432
Std Dev 1.225

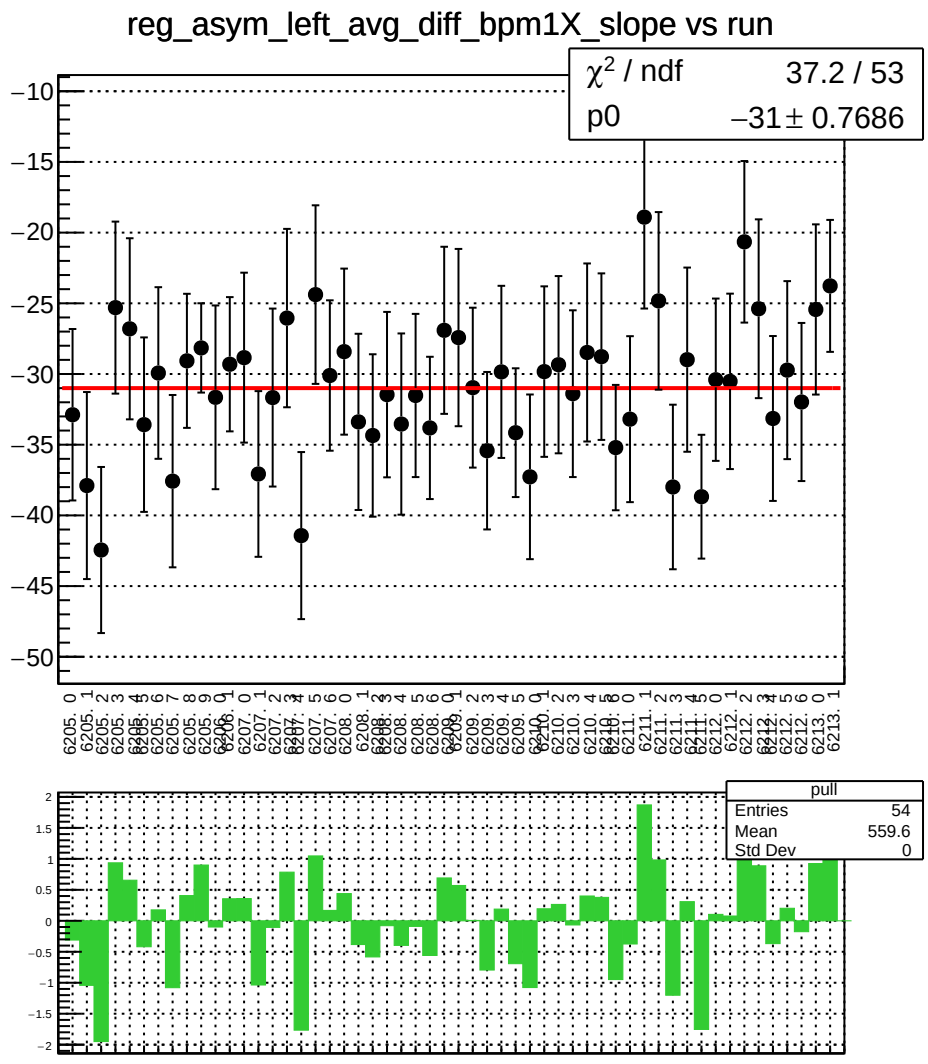

reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 88.87 / 53
p0 0.4123 ± 0.2791
pull
Entries 54
Mean 192.6
Std Dev 0

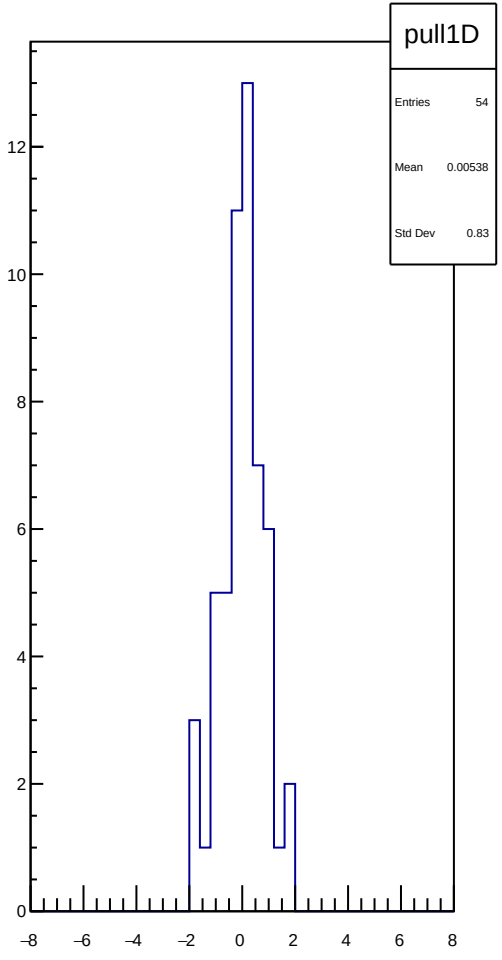

pull1D
Entries 54
Mean −0.03261
Std Dev 1.282

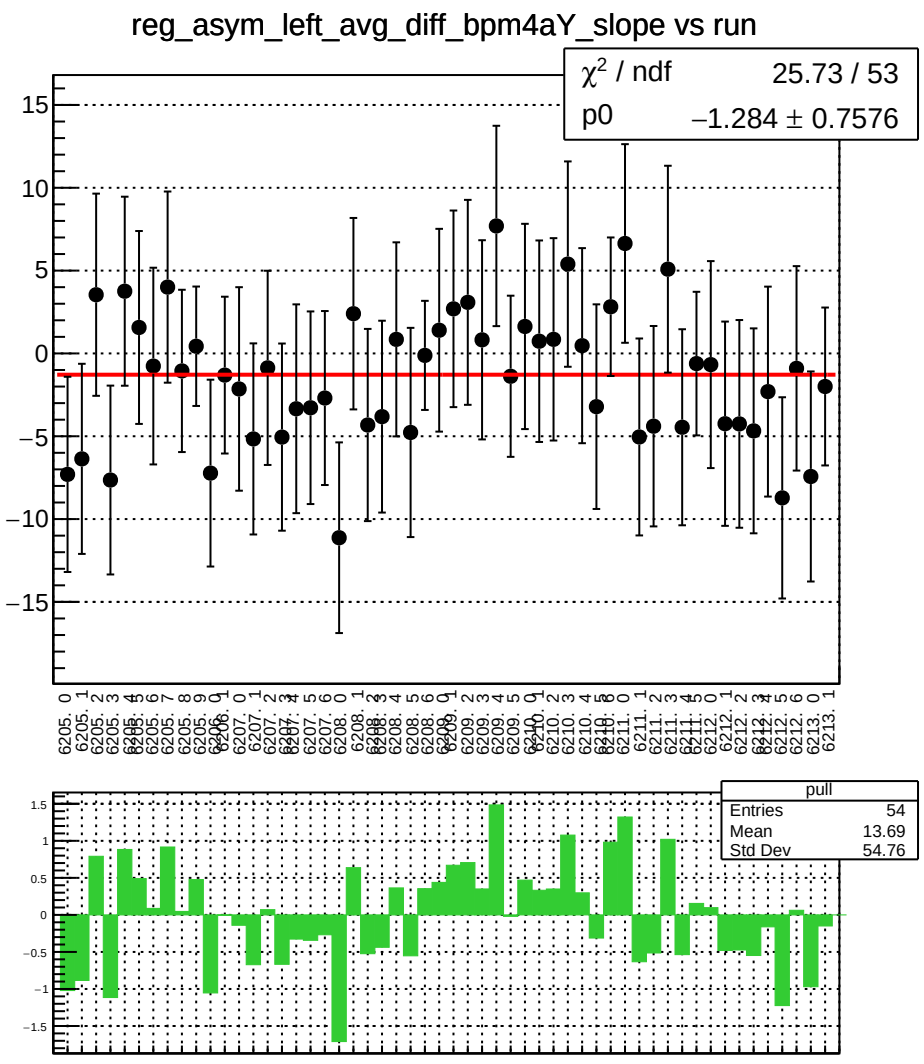

reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 85 / 53
p0 −0.3198 ± 0.2802
pull
Entries 54
Mean −78.42
Std Dev 0
pull1D
Entries 54
Mean −0.01875
Std Dev 1.254

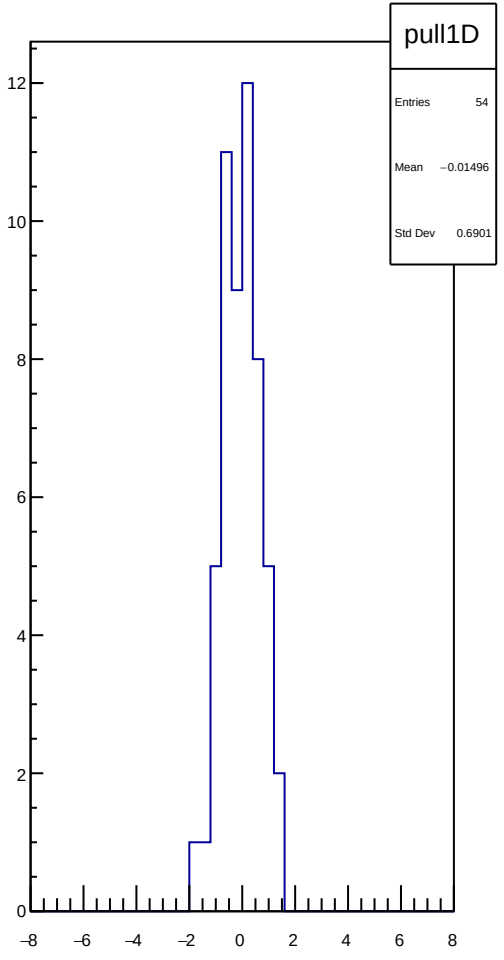

reg_asym_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 110.2 / 53
p0 0.03177 ± 0.02304
pull
Entries 54
Mean 694.2
Std Dev 0

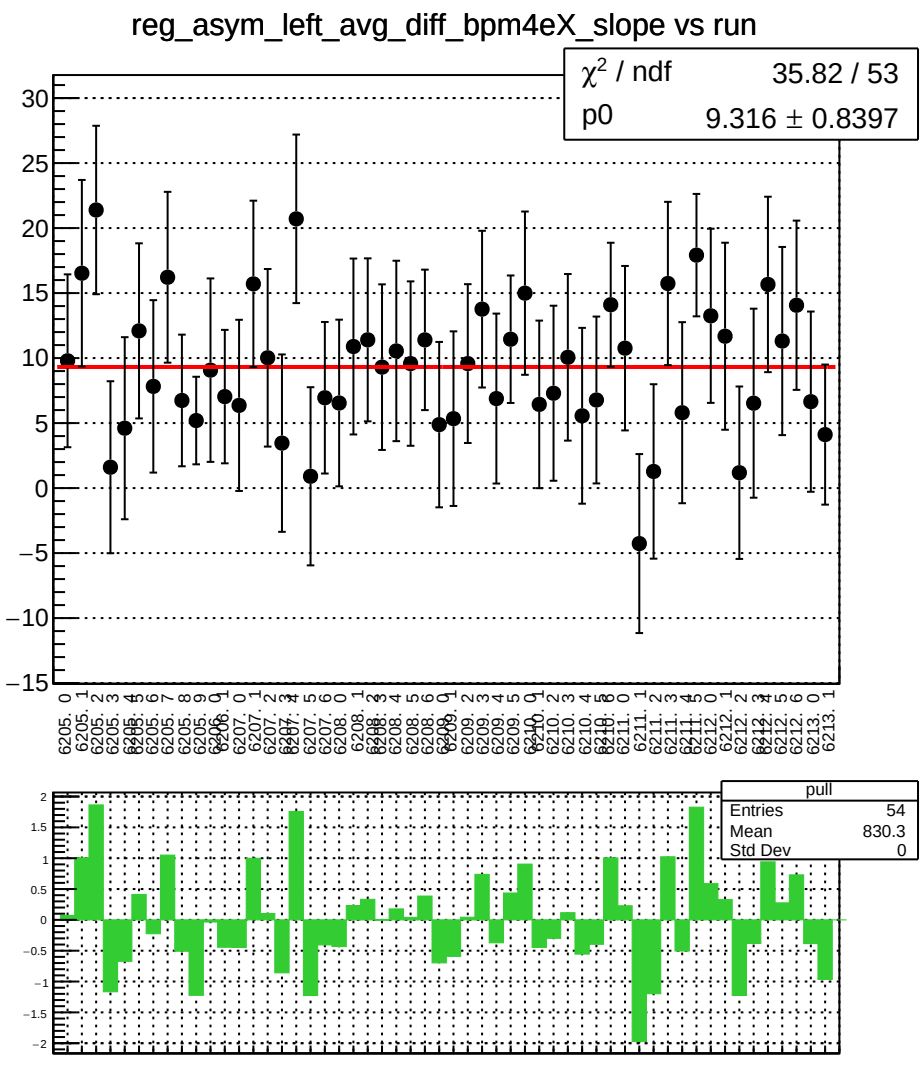

pull1D
Entries 54
Mean 0.00477
Std Dev 1.429

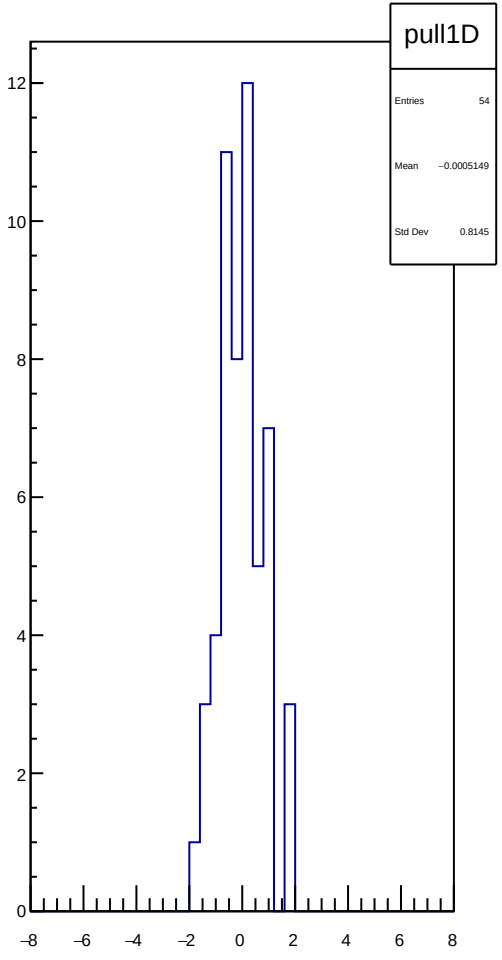

reg_asym_left_avg_diff_bpm1X_slope vs run
χ² / ndf 37.2 / 53
p0 −31 ± 0.7686
pull
Entries 54
Mean 559.6
Std Dev 0

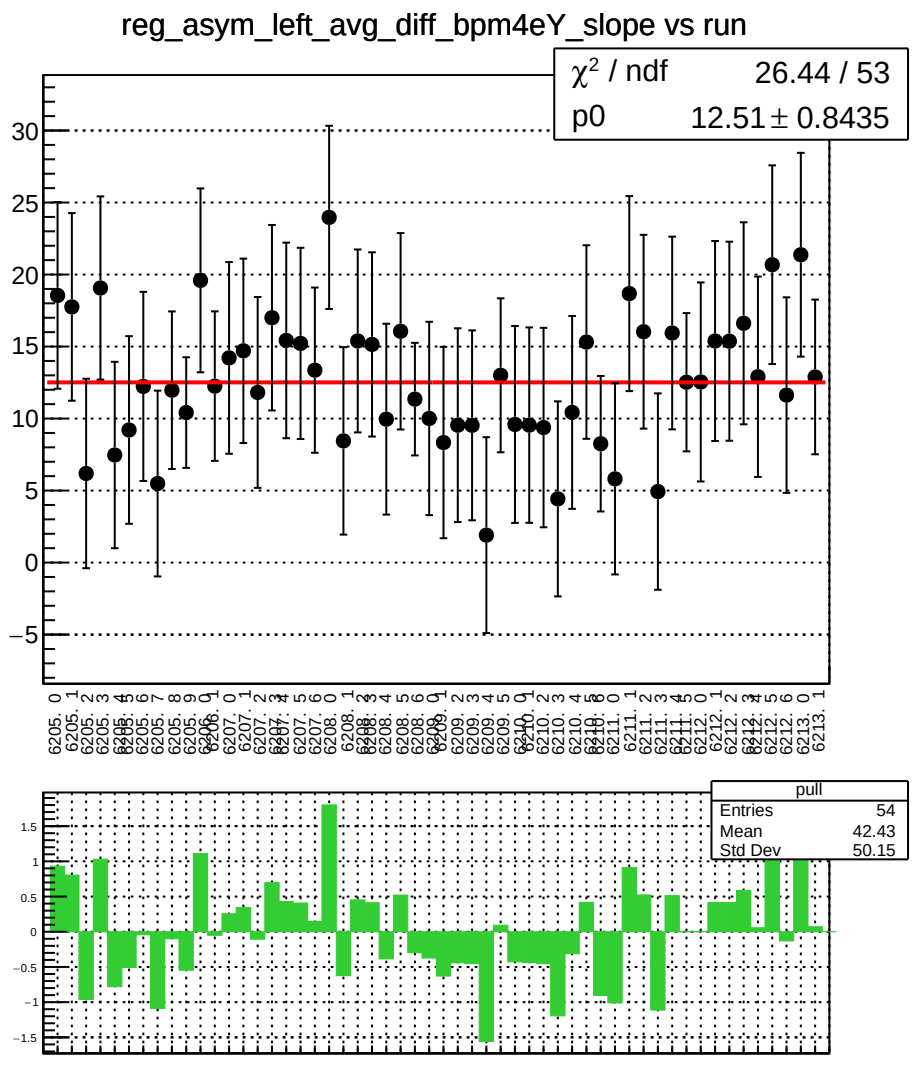

pull1D
Entries 54
Mean 0.00538
Std Dev 0.83

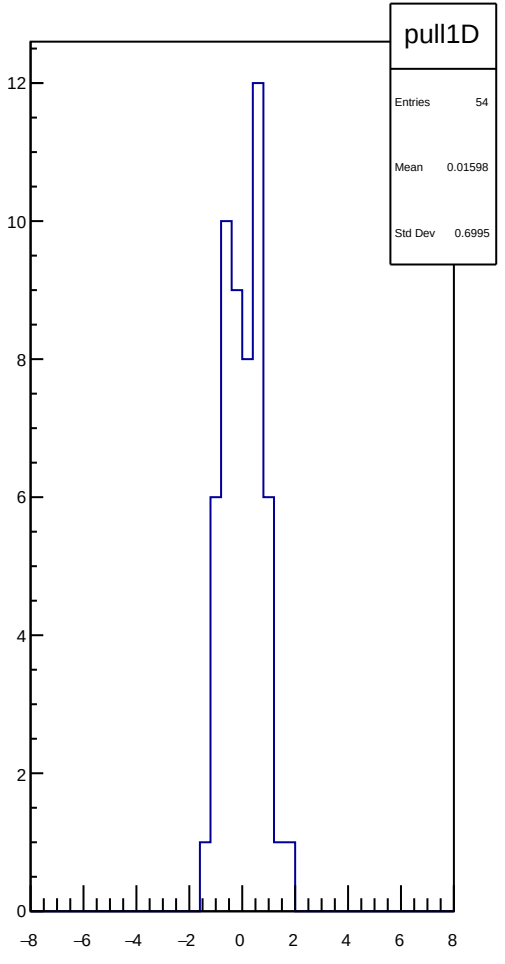

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ² / ndf 25.73 / 53
p0 −1.284 ± 0.7576
pull
Entries 54
Mean 13.69
Std Dev 54.76

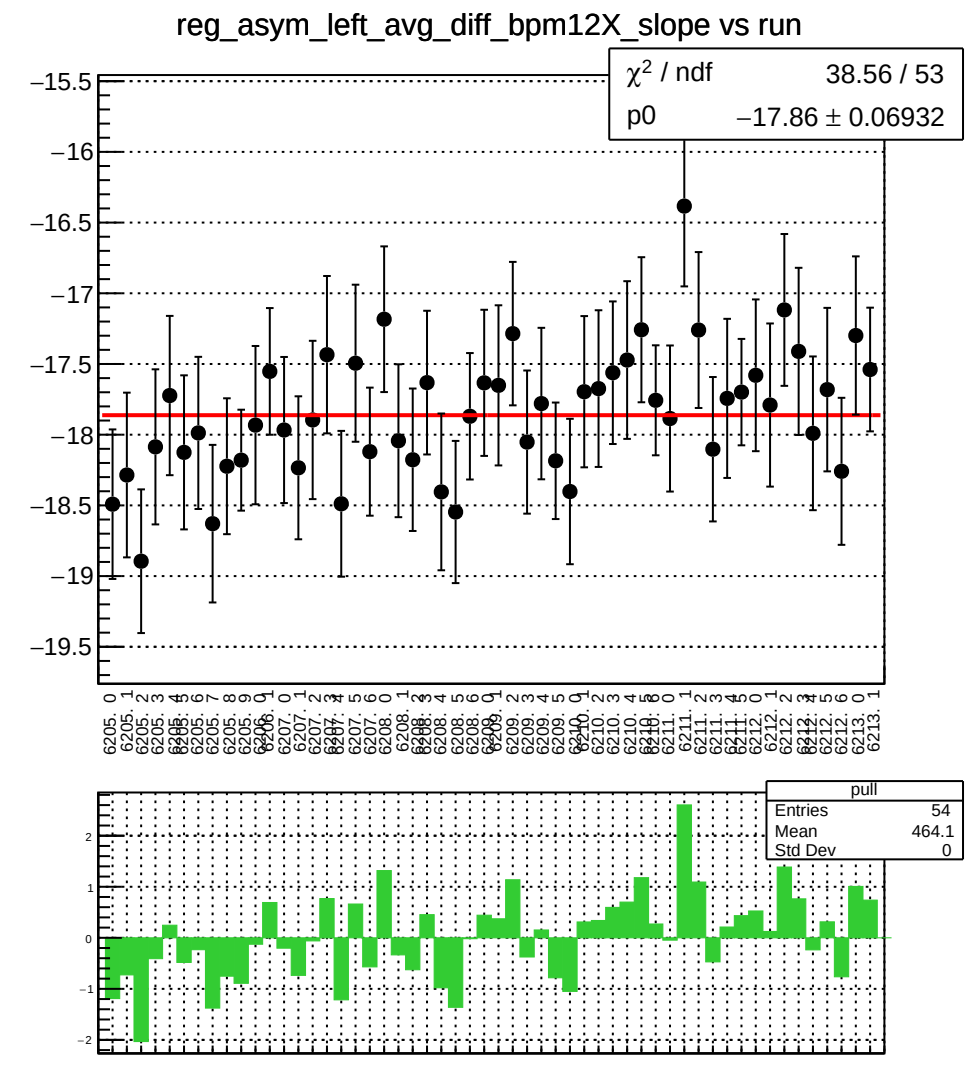

pull1D
Entries 54
Mean −0.01496
Std Dev 0.6901

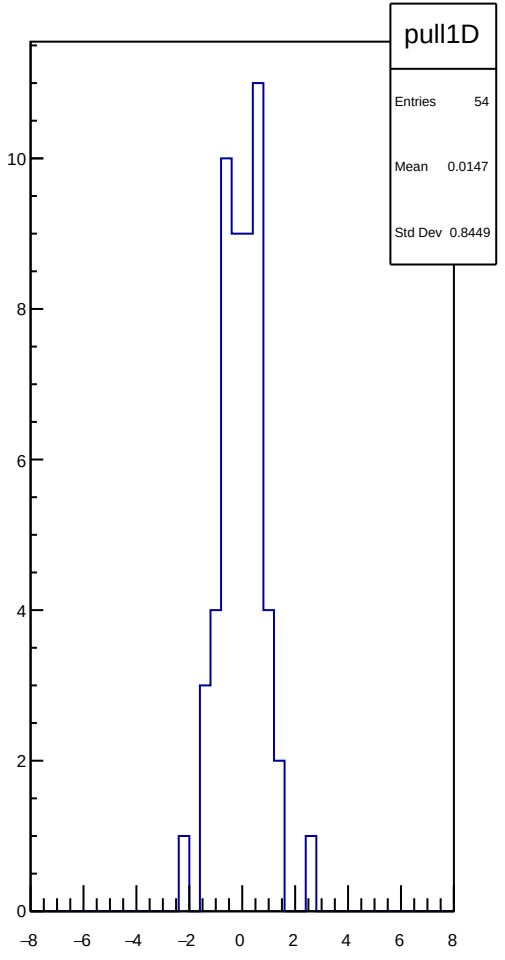

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ² / ndf 35.82 / 53
p0 9.316 ± 0.8397
pull
Entries 54
Mean 830.3
Std Dev 0

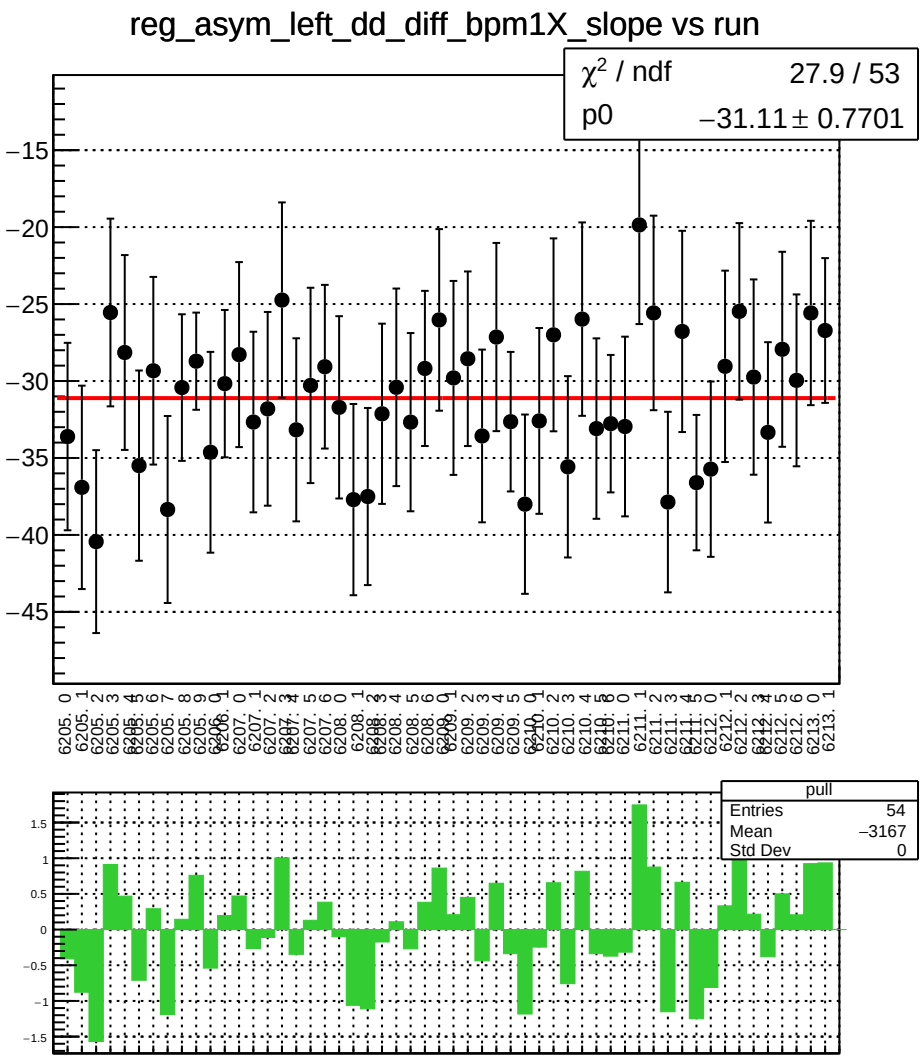

pull1D
Entries 54
Mean −0.0005149
Std Dev 0.8145

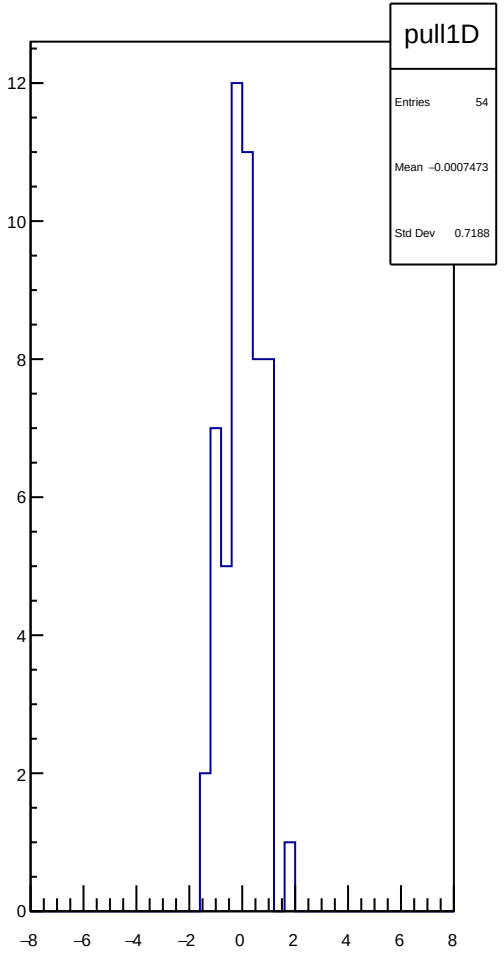

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ² / ndf 26.44 / 53
p0 12.51 ± 0.8435
pull
Entries 54
Mean 42.43
Std Dev 50.15

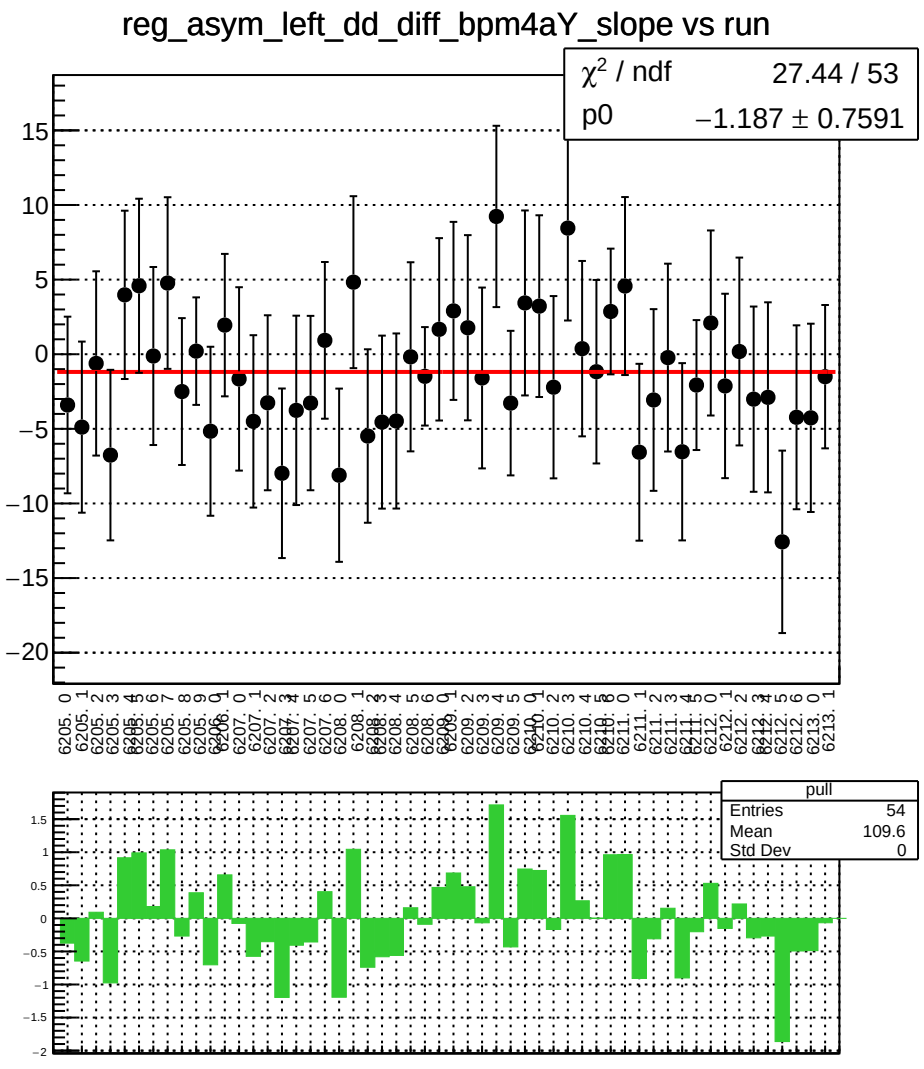

pull1D
Entries 54
Mean 0.01598
Std Dev 0.6995

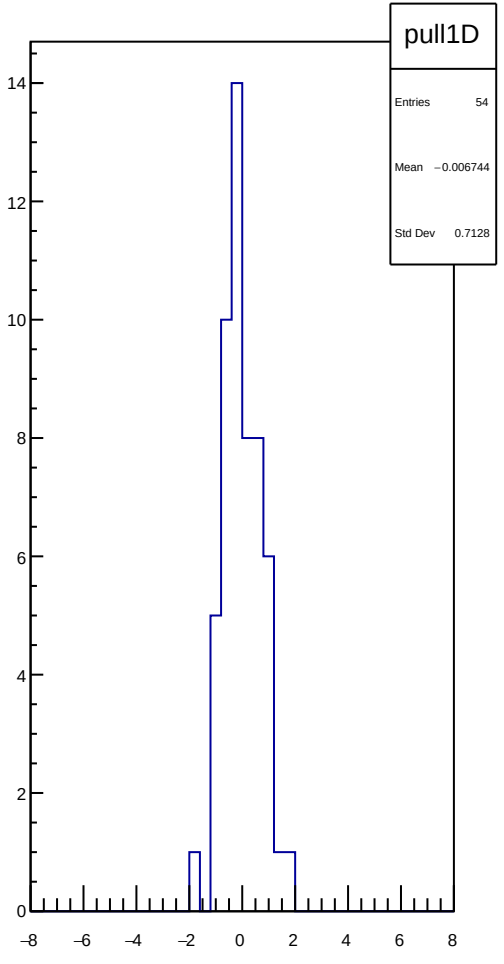

reg_asym_left_avg_diff_bpm12X_slope vs run
χ² / ndf 38.56 / 53
p0 −17.86 ± 0.06932
pull
Entries 54
Mean 464.1
Std Dev 0

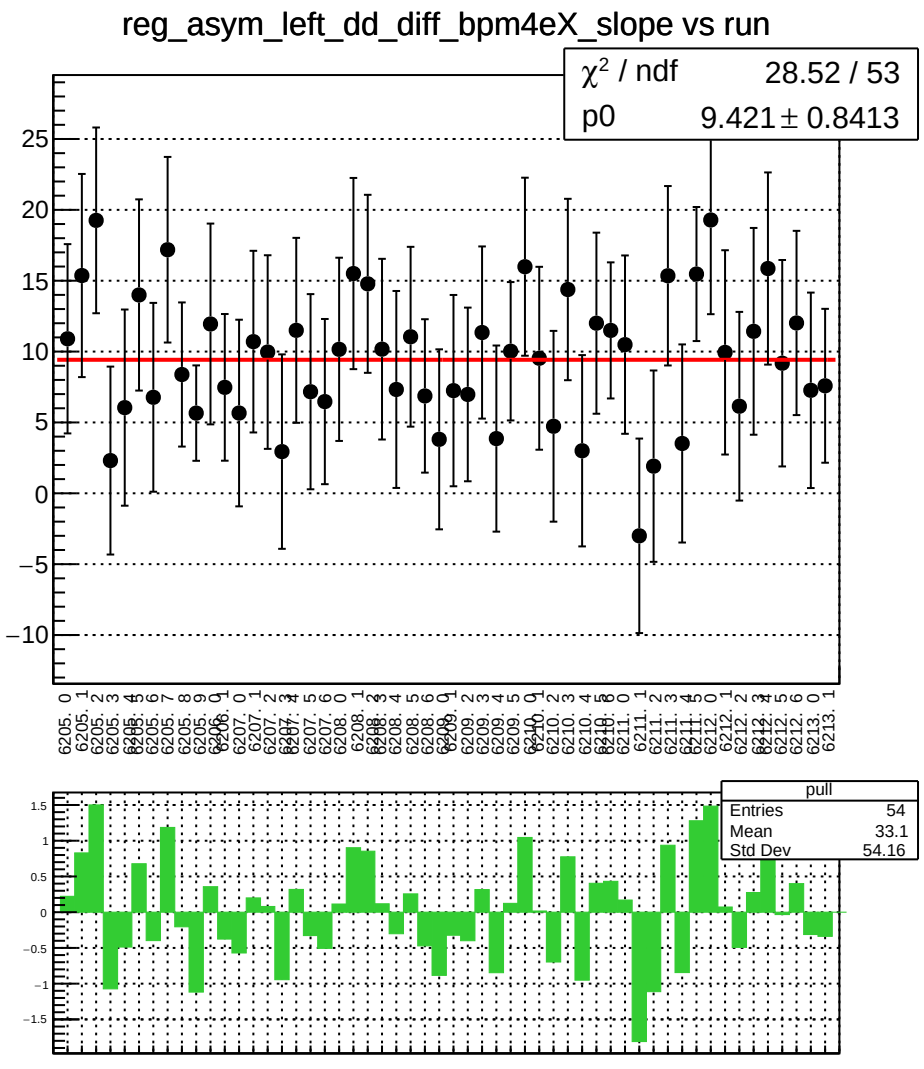

pull1D
Entries 54
Mean 0.0147
Std Dev 0.8449

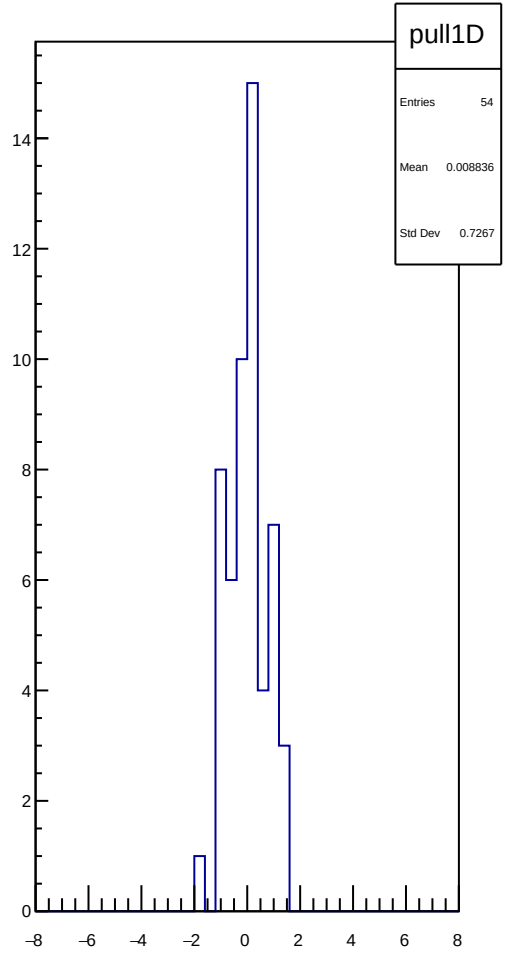

reg_asym_left_dd_diff_bpm1X_slope vs run
χ² / ndf 27.9 / 53
p0 −31.11 ± 0.7701
pull
Entries 54
Mean −3167
Std Dev 0

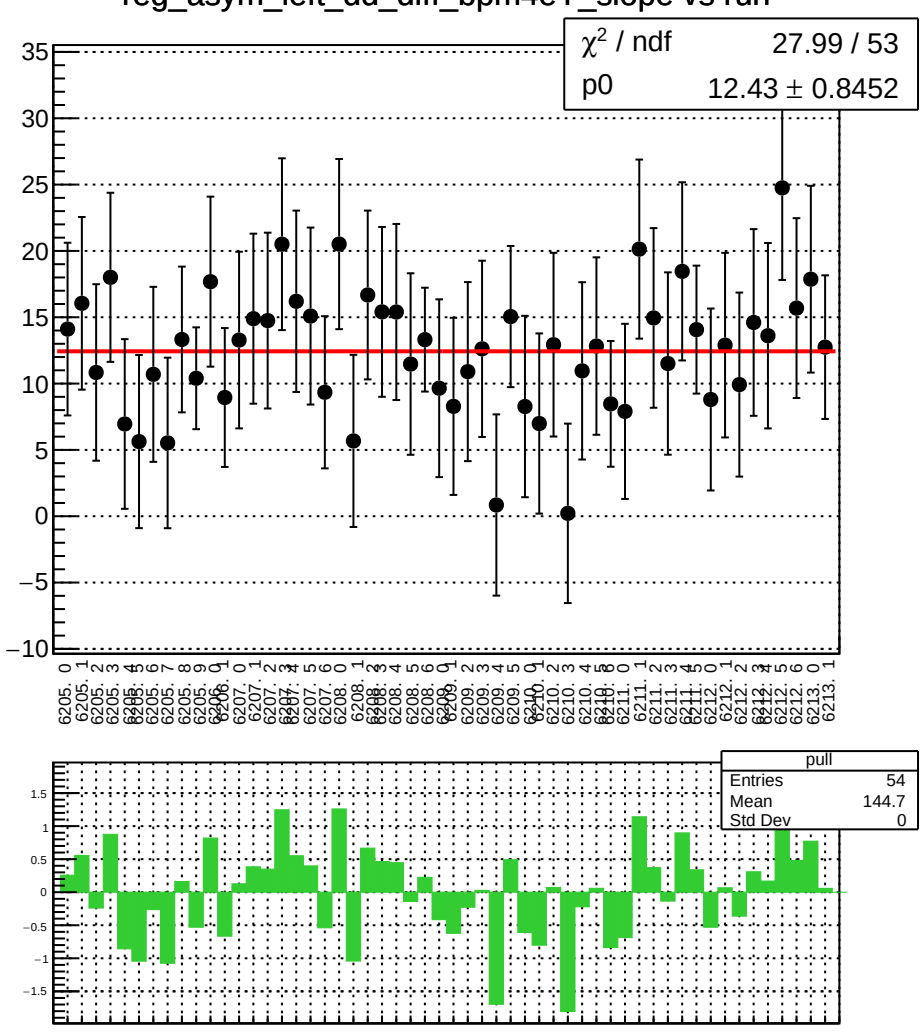

pull1D
Entries 54
Mean −0.0007473
Std Dev 0.7188

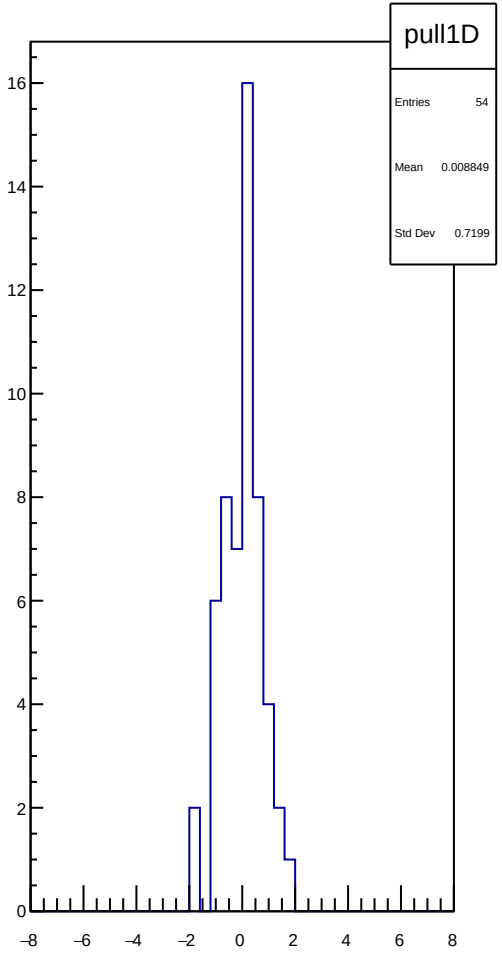

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ² / ndf 27.44 / 53
p0 −1.187 ± 0.7591
pull
Entries 54
Mean 109.6
Std Dev 0

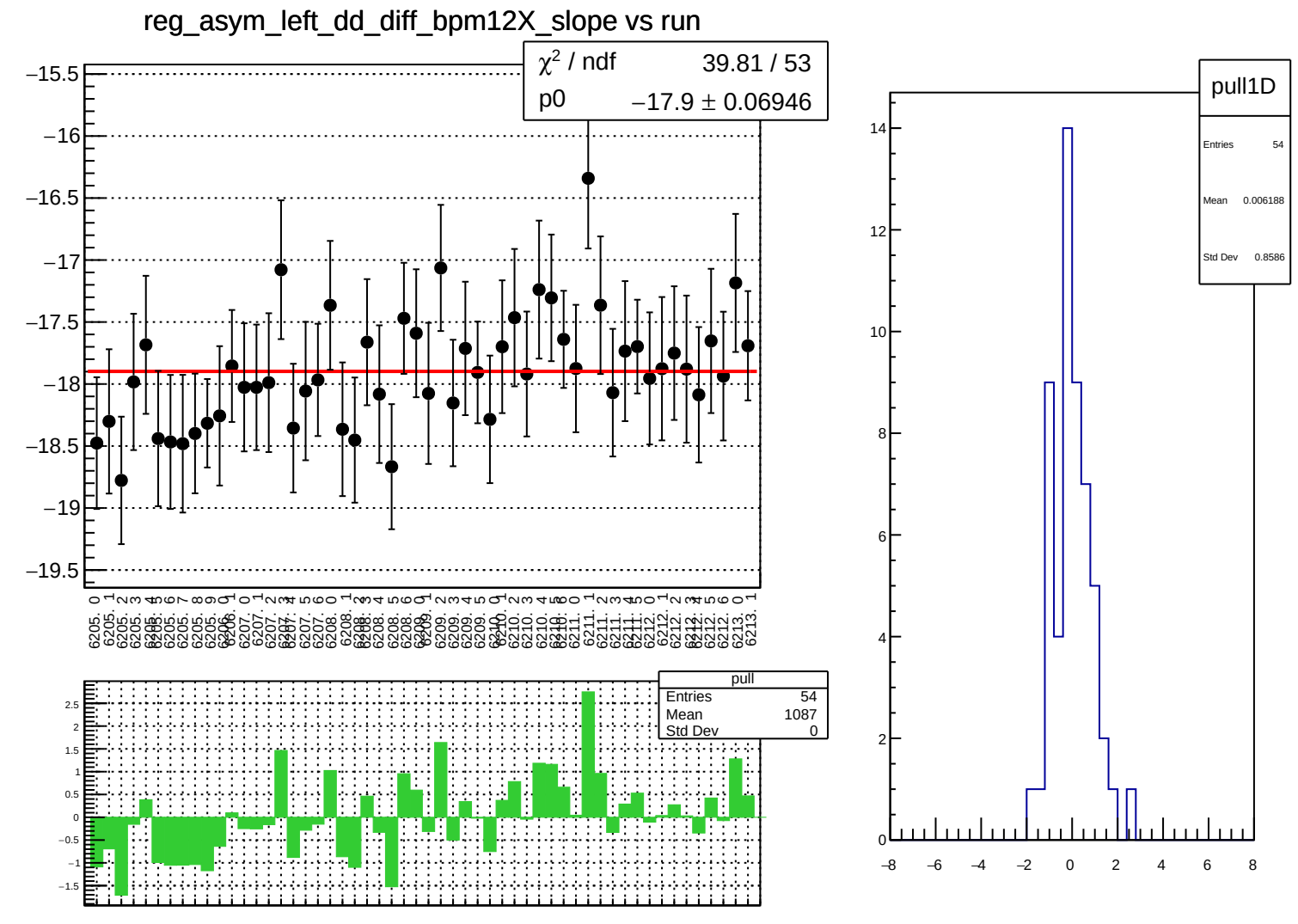

pull1D
Entries 54
Mean −0.006744
Std Dev 0.7128

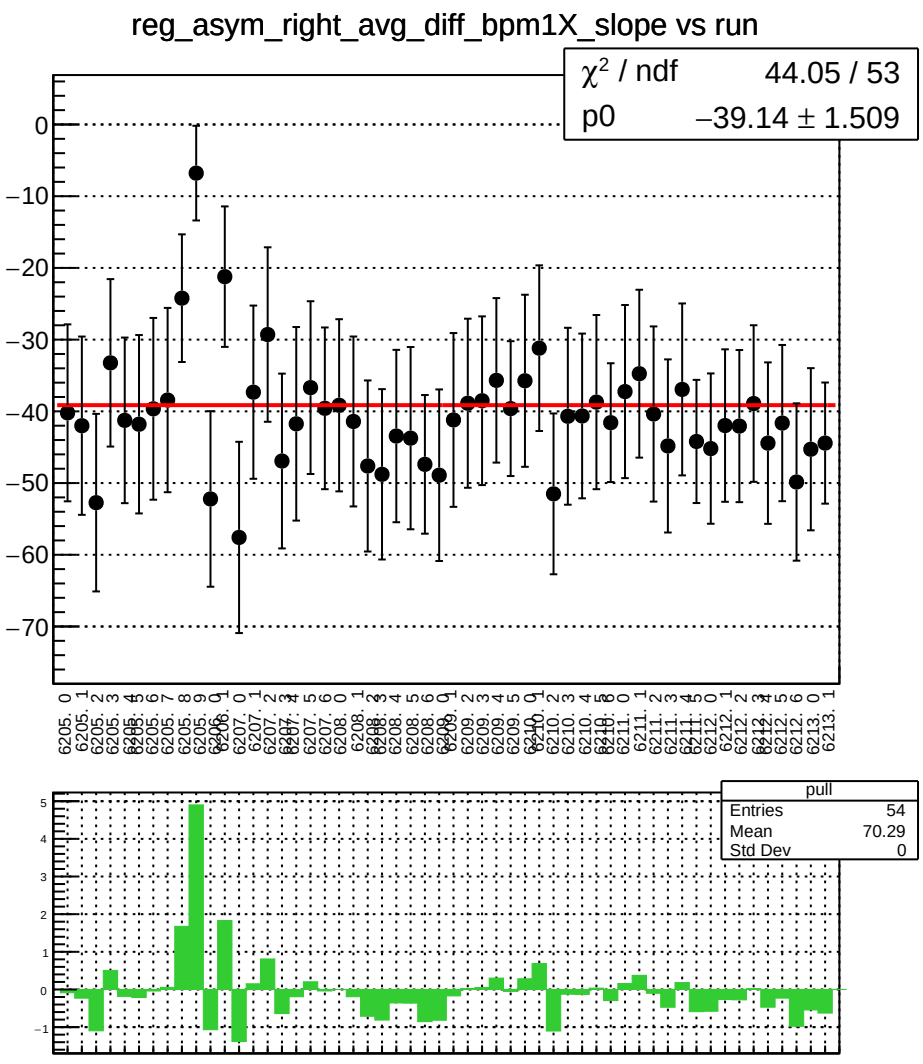

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ² / ndf 28.52 / 53
p0 9.421 ± 0.8413
pull
Entries 54
Mean 33.1
Std Dev 54.16

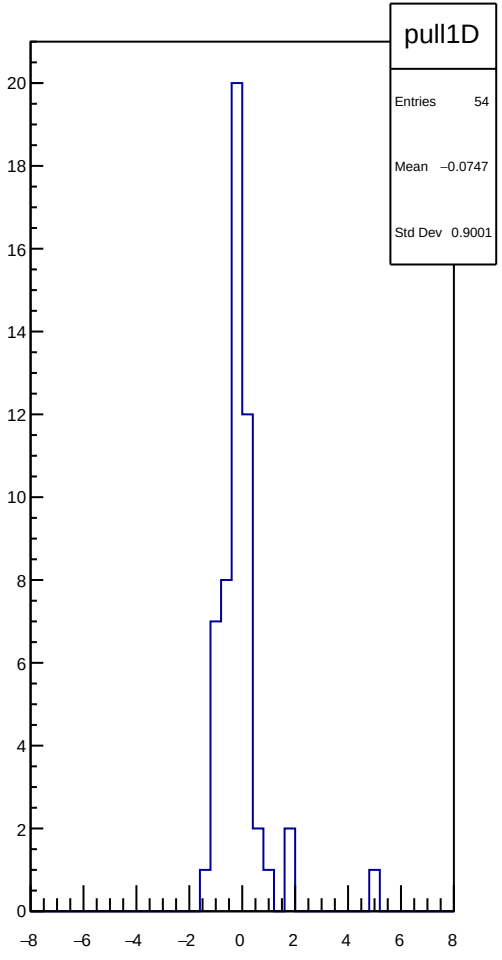

pull1D
Entries 54
Mean 0.008836
Std Dev 0.7267

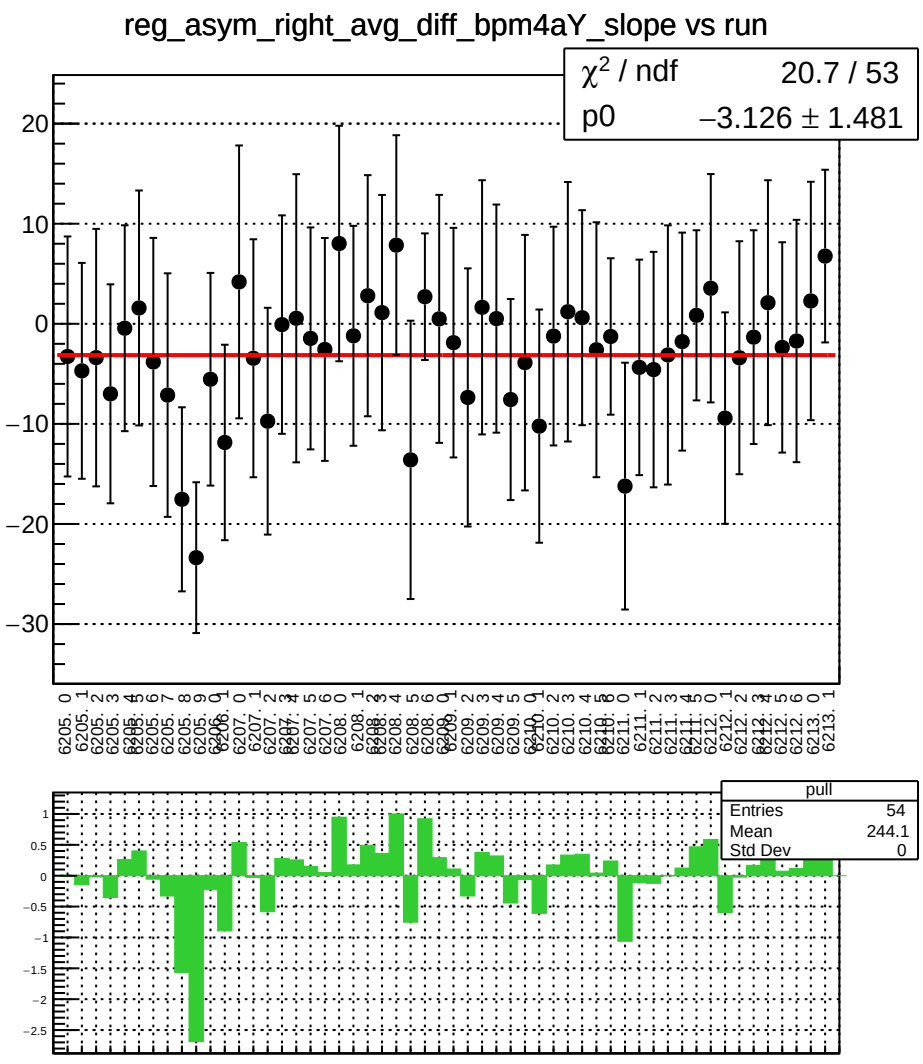

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ² / ndf 27.99 / 53
p0 12.43 ± 0.8452
pull
Entries 54
Mean 144.7
Std Dev 0

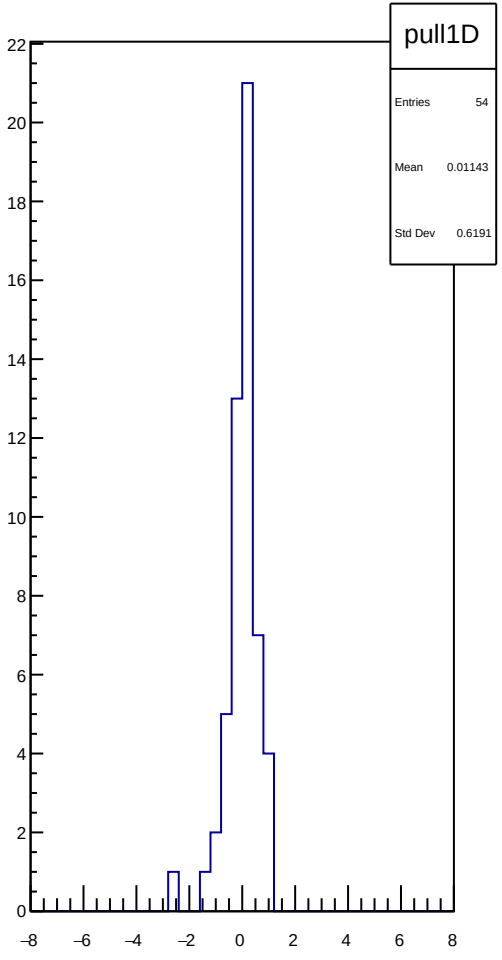

pull1D
Entries 54
Mean 0.008849
Std Dev 0.7199

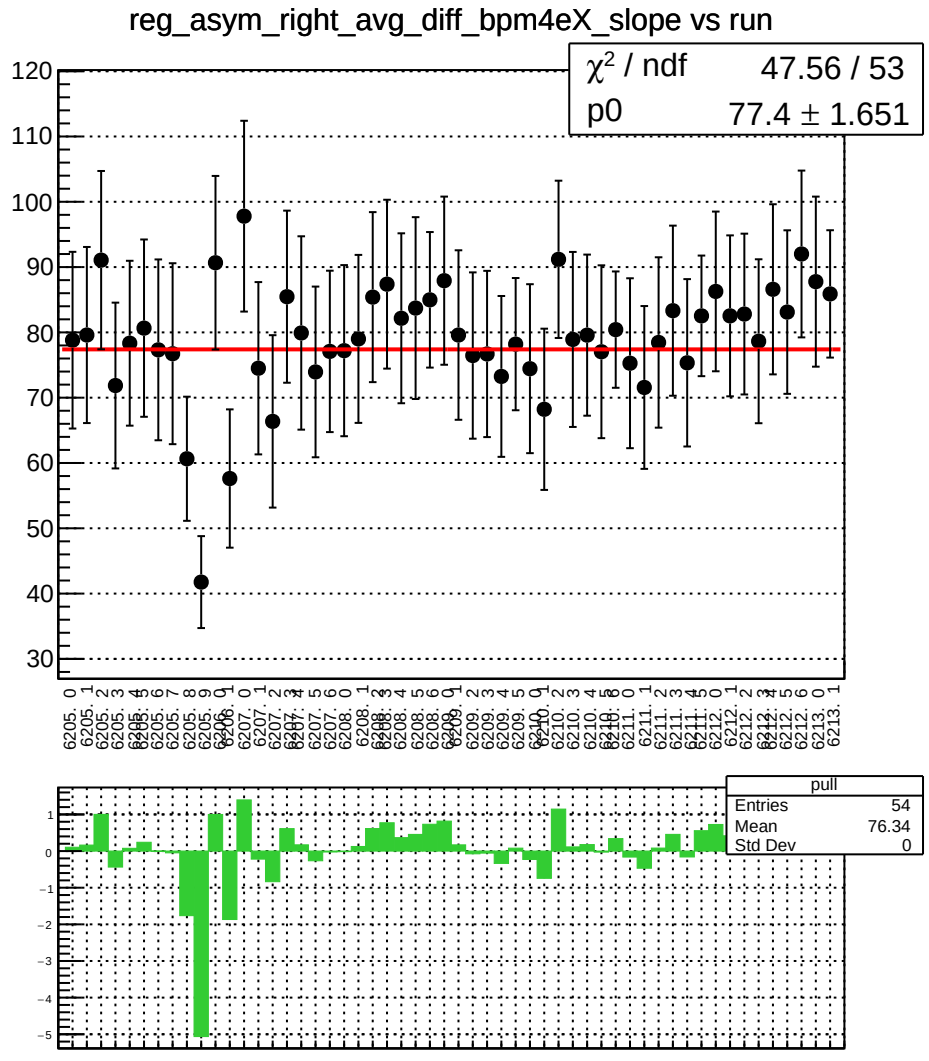

reg_asym_left_dd_diff_bpm12X_slope vs run
χ² / ndf 39.81 / 53
p0 −17.9 ± 0.06946
pull
Entries 54
Mean 1087
Std Dev 0
pull1D
Entries 54
Mean 0.006188
Std Dev 0.8586

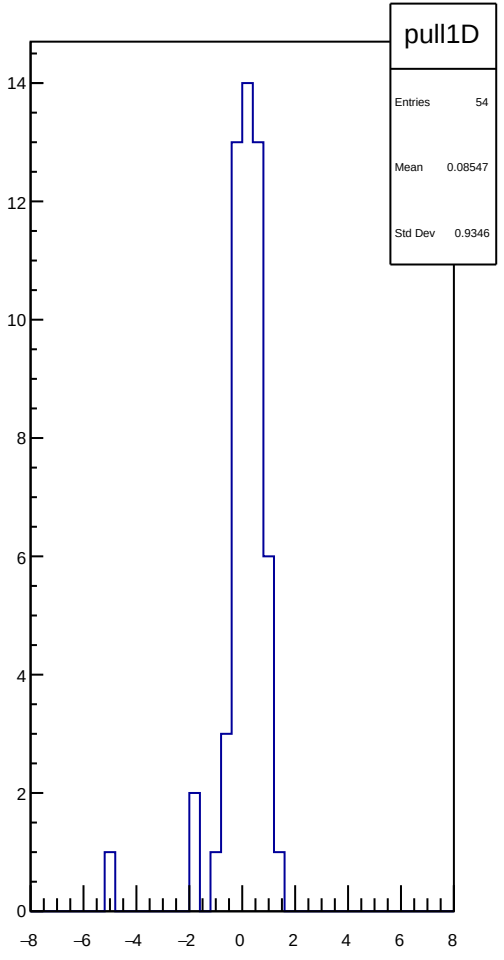

reg_asym_right_avg_diff_bpm1X_slope vs run
χ² / ndf 44.05 / 53
p0 −39.14 ± 1.509
pull
Entries 54
Mean 70.29
Std Dev 0

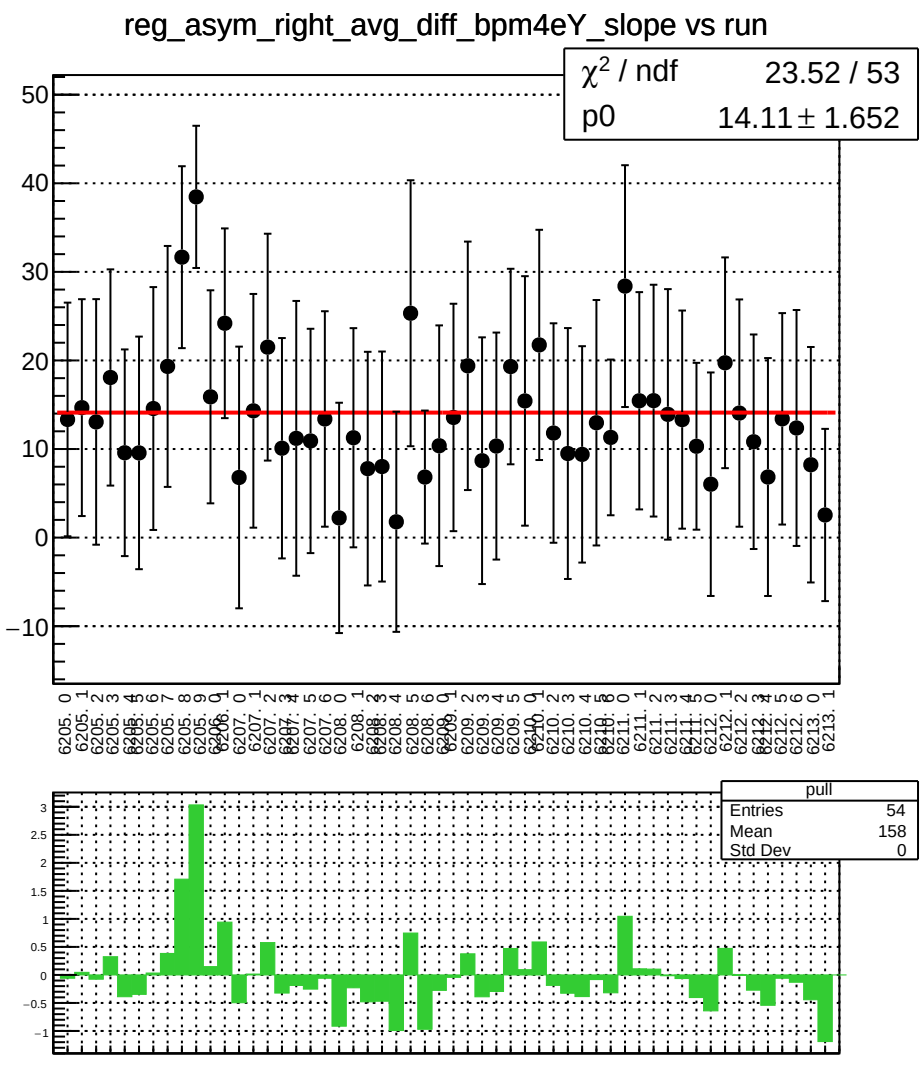

pull1D
Entries 54
Mean −0.0747
Std Dev 0.9001

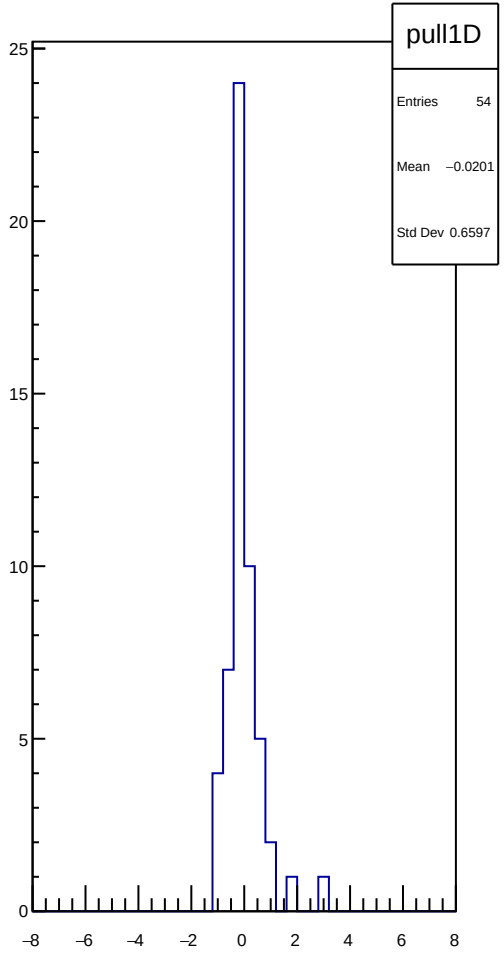

reg_asym_right_avg_diff_bpm4aY_slope vs run
χ² / ndf 20.7 / 53
p0 −3.126 ± 1.481
pull
Entries 54
Mean 244.1
Std Dev 0

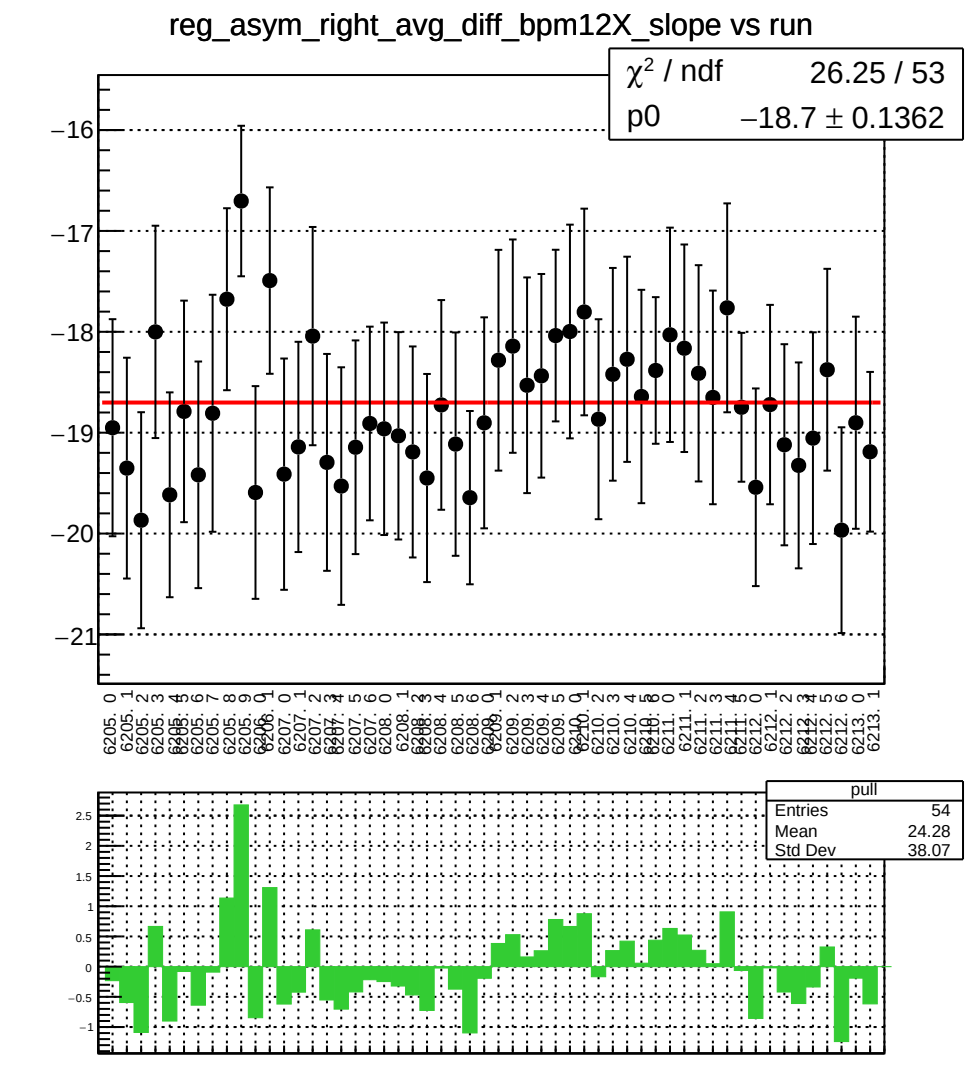

pull1D
Entries 54
Mean 0.01143
Std Dev 0.6191

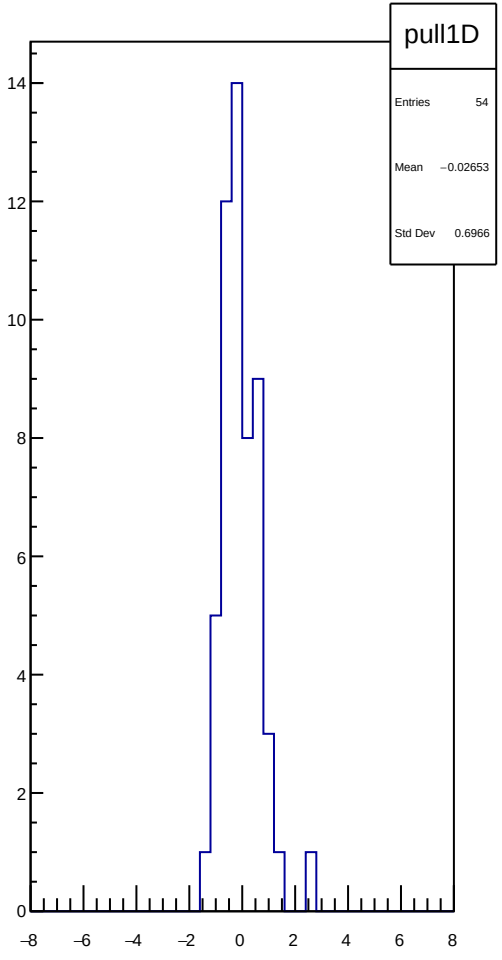

reg_asym_right_avg_diff_bpm4eX_slope vs run
χ² / ndf 47.56 / 53
p0 77.4 ± 1.651
pull
Entries 54
Mean 76.34
Std Dev 0

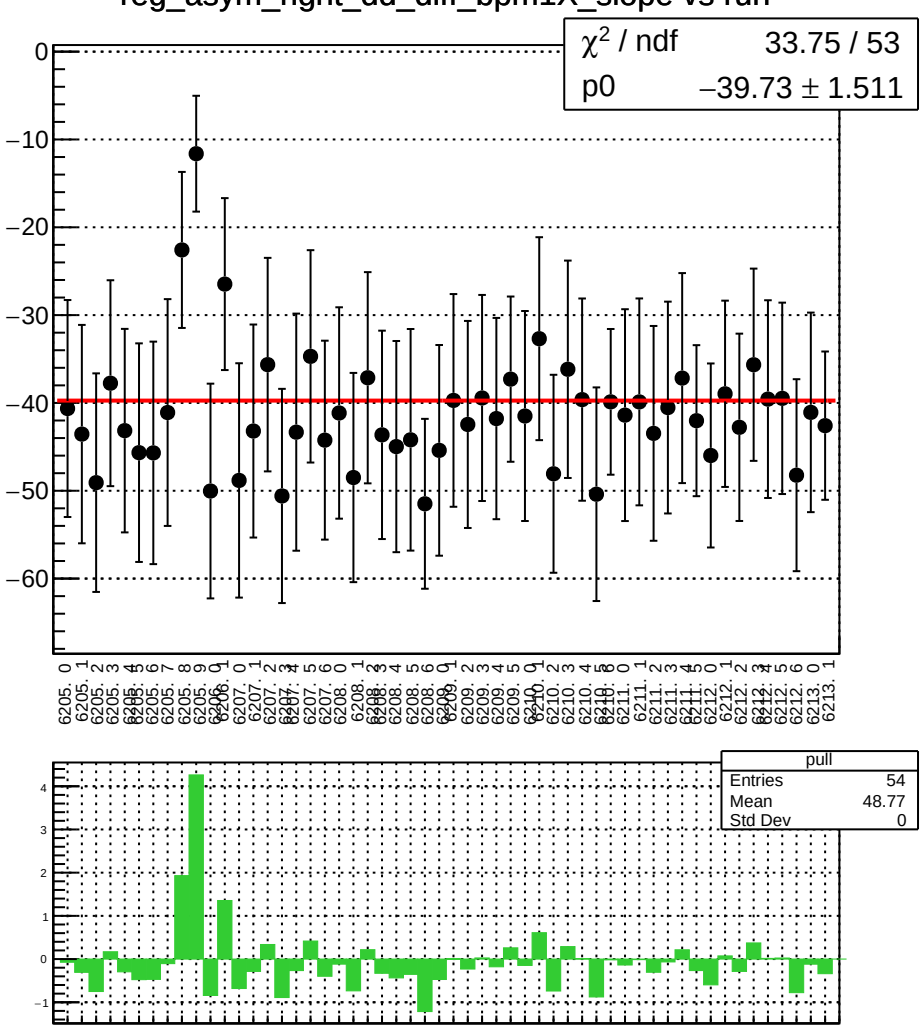

pull1D
Entries 54
Mean 0.08547
Std Dev 0.9346

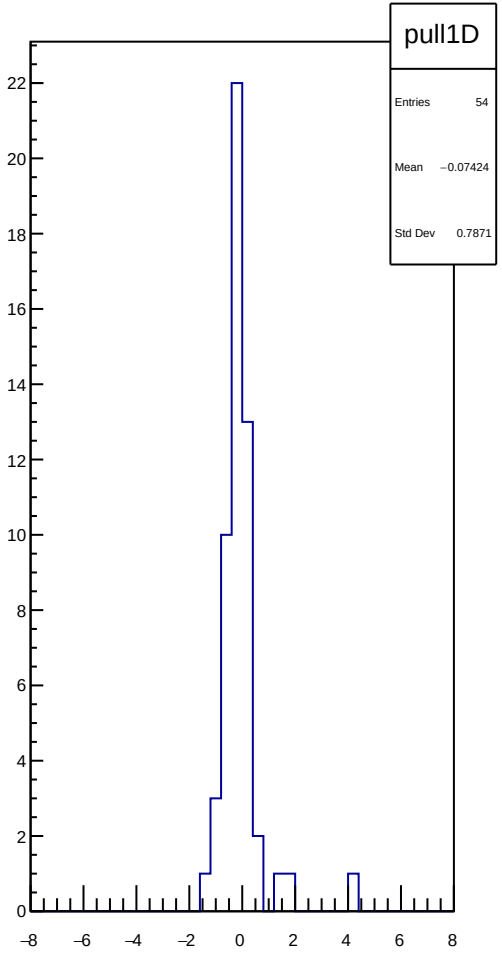

reg_asym_right_avg_diff_bpm4eY_slope vs run
χ² / ndf 23.52 / 53
p0 14.11 ± 1.652
pull
Entries 54
Mean 158
Std Dev 0

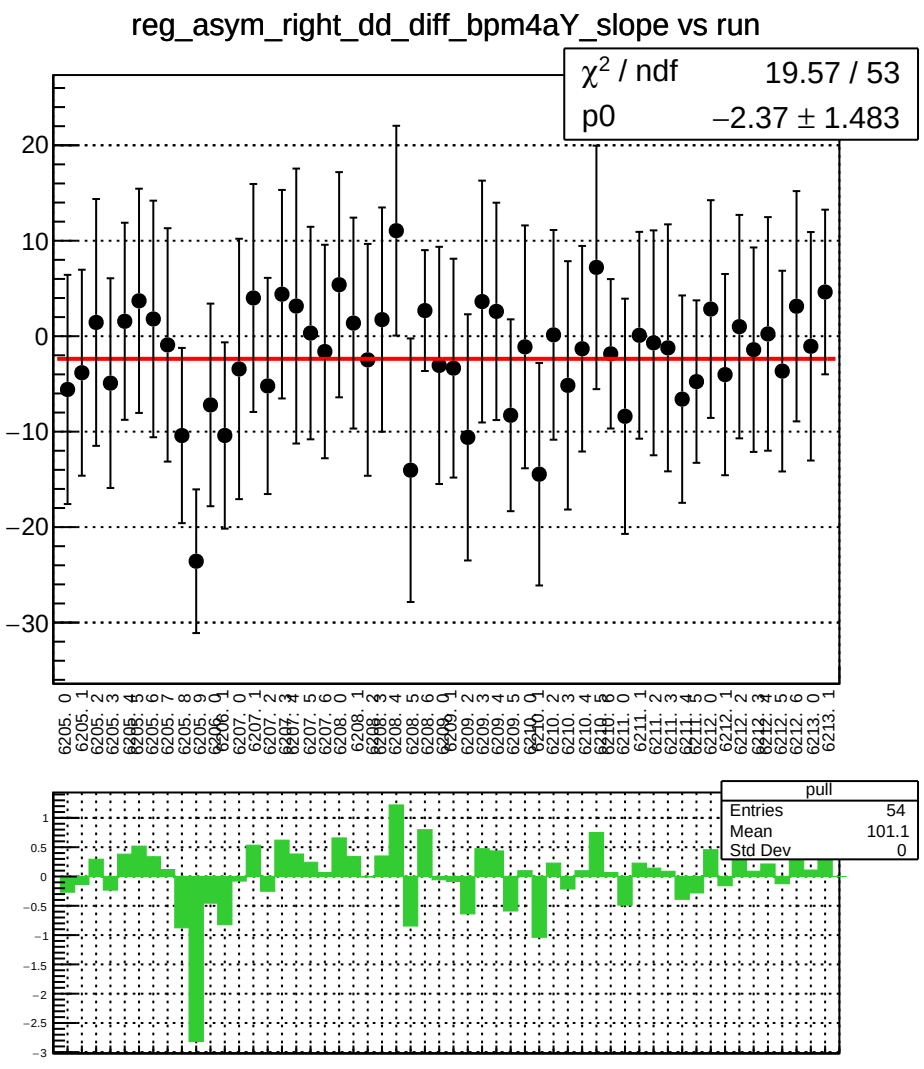

pull1D
Entries 54
Mean −0.0201
Std Dev 0.6597

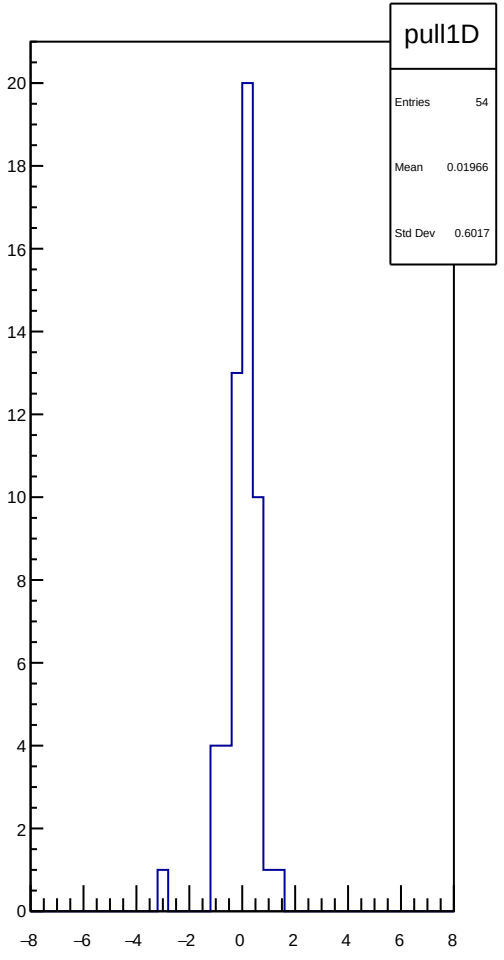

reg_asym_right_avg_diff_bpm12X_slope vs run
χ² / ndf 26.25 / 53
p0 −18.7 ± 0.1362
pull
Entries 54
Mean 24.28
Std Dev 38.07

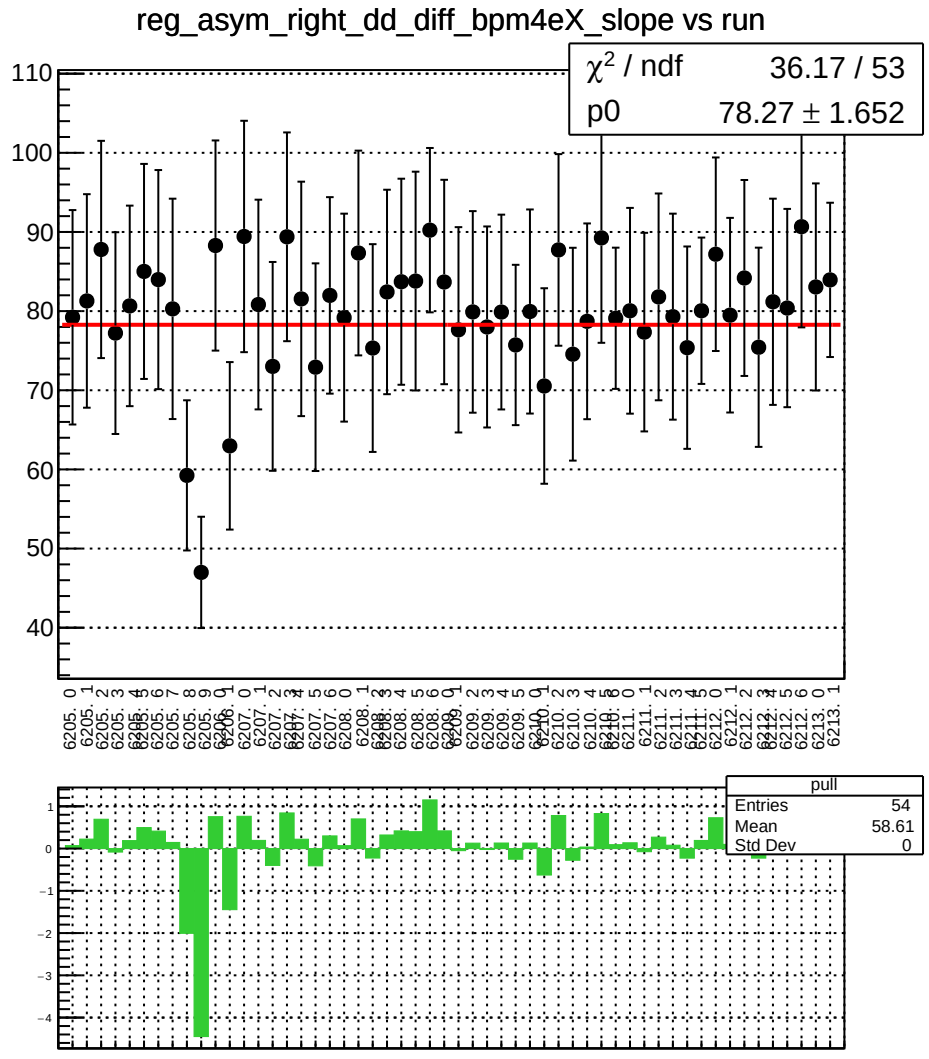

pull1D
Entries 54
Mean −0.02653
Std Dev 0.6966

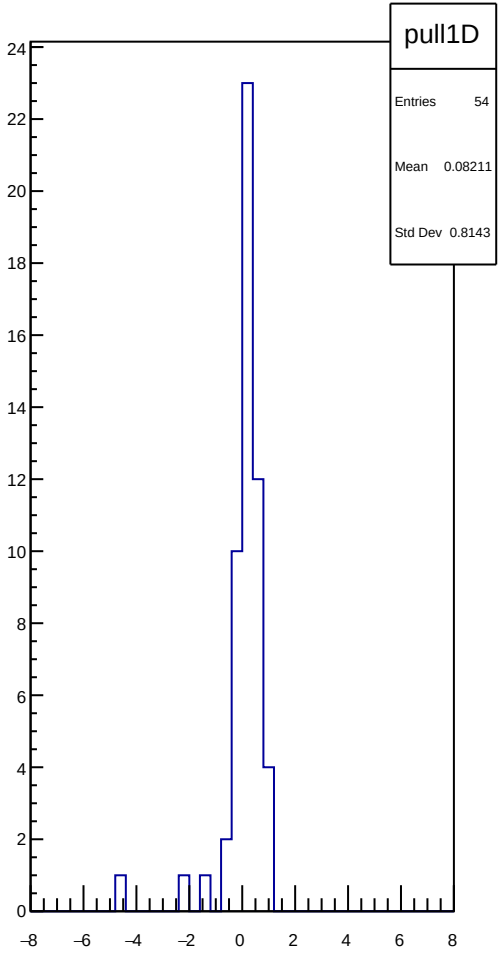

reg_asym_right_dd_diff_bpm1X_slope vs run
χ² / ndf 33.75 / 53
p0 −39.73 ± 1.511
pull
Entries 54
Mean 48.77
Std Dev 0

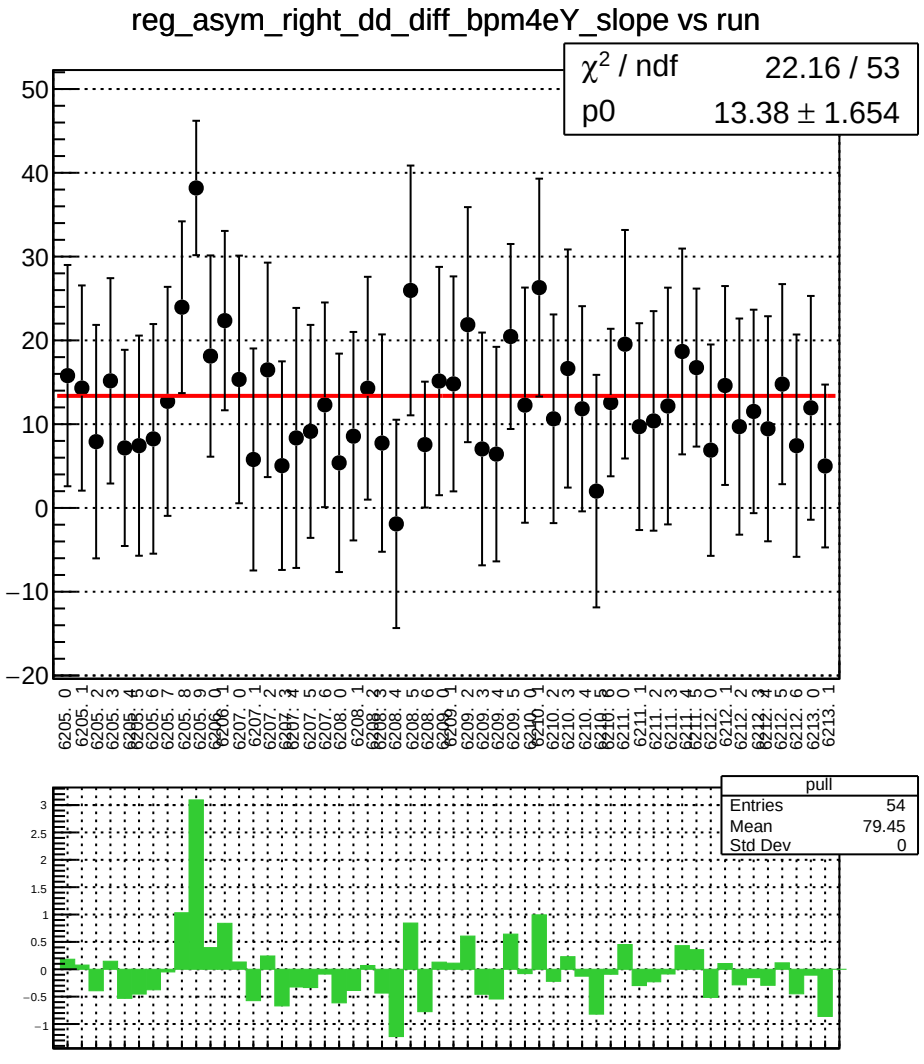

pull1D
Entries 54
Mean −0.07424
Std Dev 0.7871

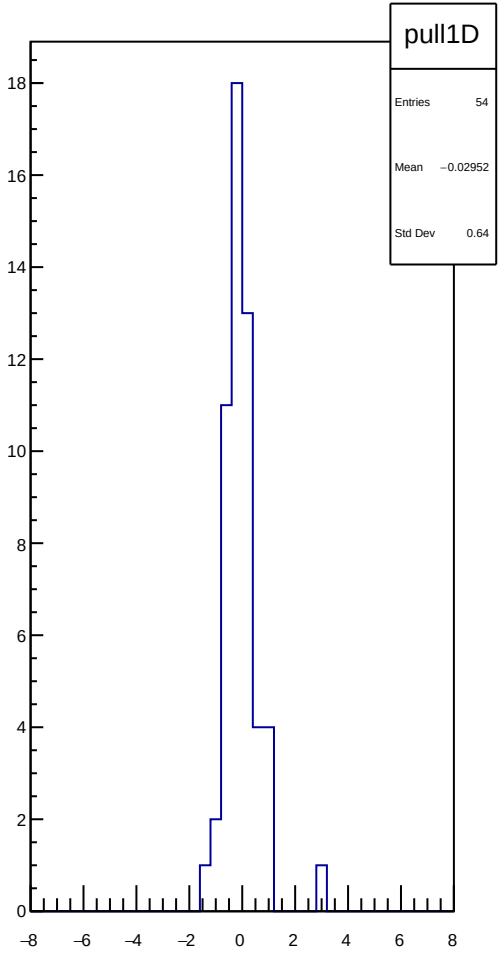

reg_asym_right_dd_diff_bpm4aY_slope vs run
χ² / ndf 19.57 / 53
p0 −2.37 ± 1.483
pull
Entries 54
Mean 101.1
Std Dev 0

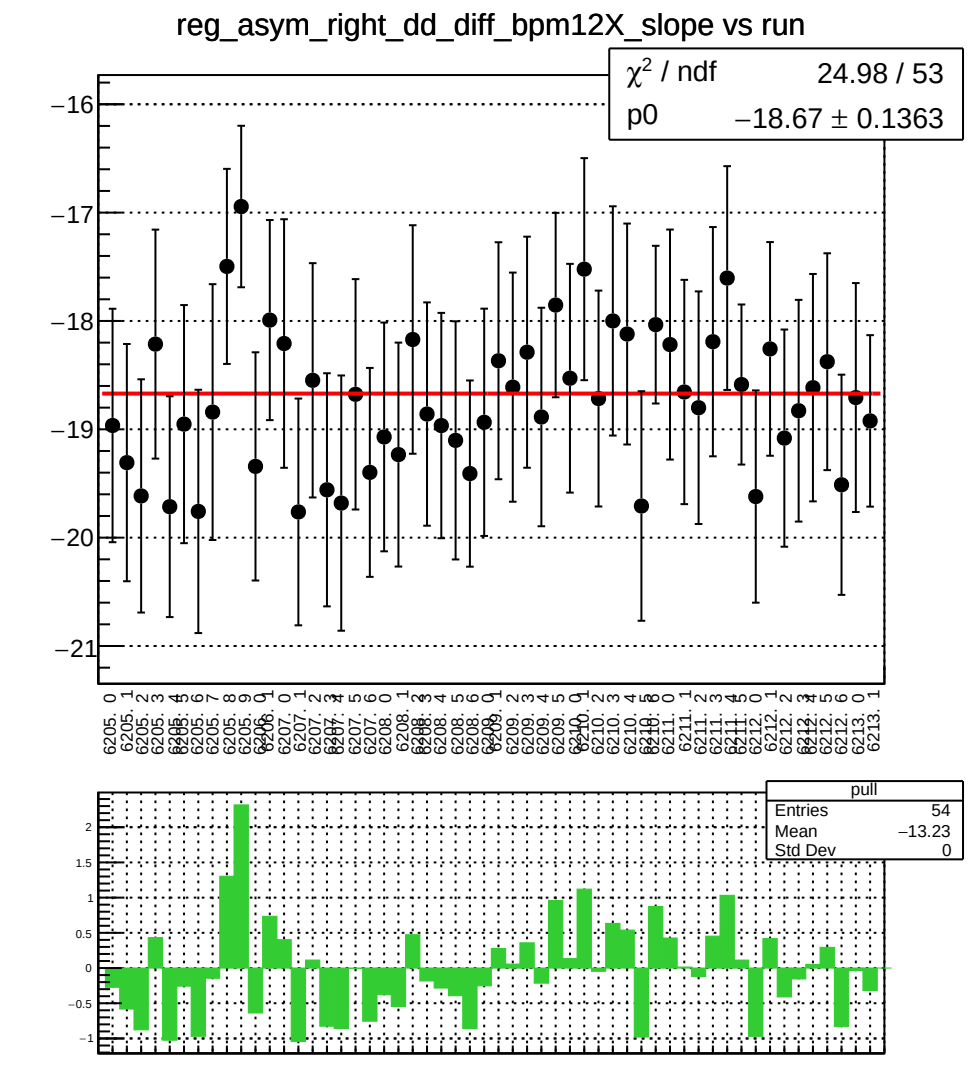

pull1D
Entries 54
Mean 0.01966
Std Dev 0.6017

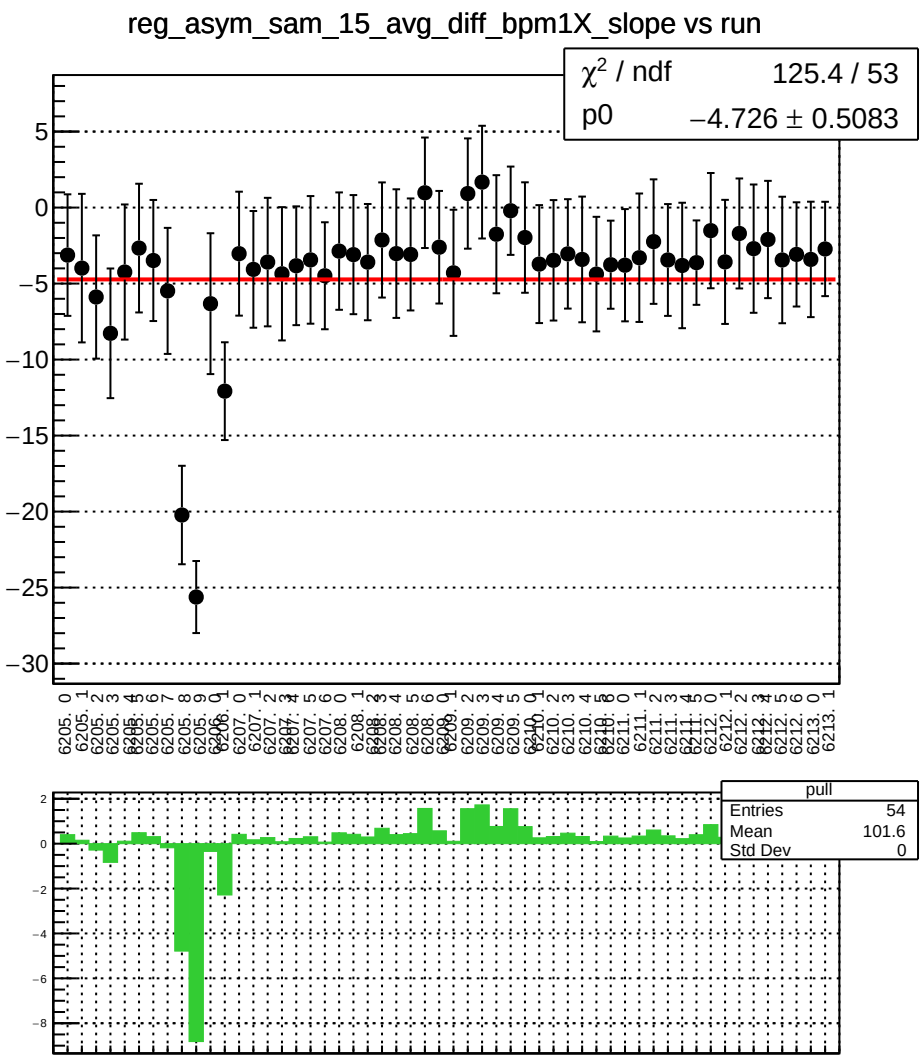

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ² / ndf 36.17 / 53
p0 78.27 ± 1.652
pull
Entries 54
Mean 58.61
Std Dev 0

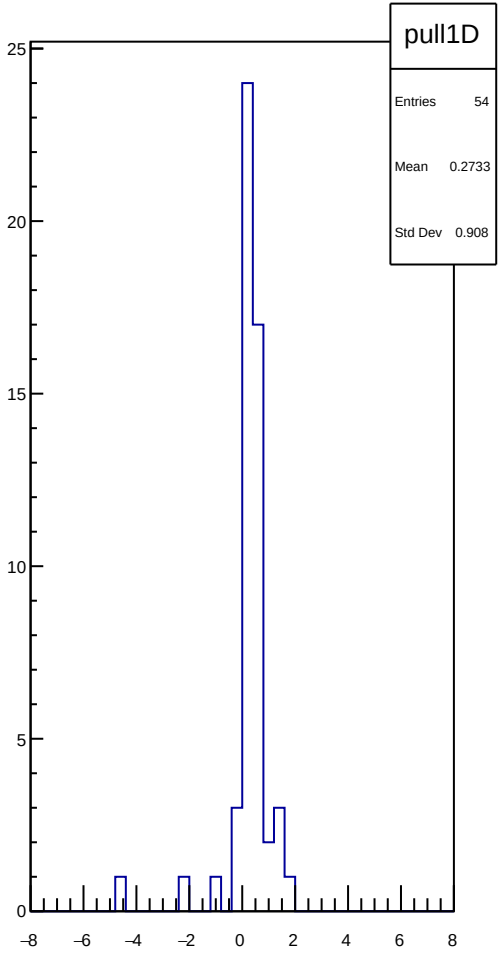

pull1D
Entries 54
Mean 0.08211
Std Dev 0.8143

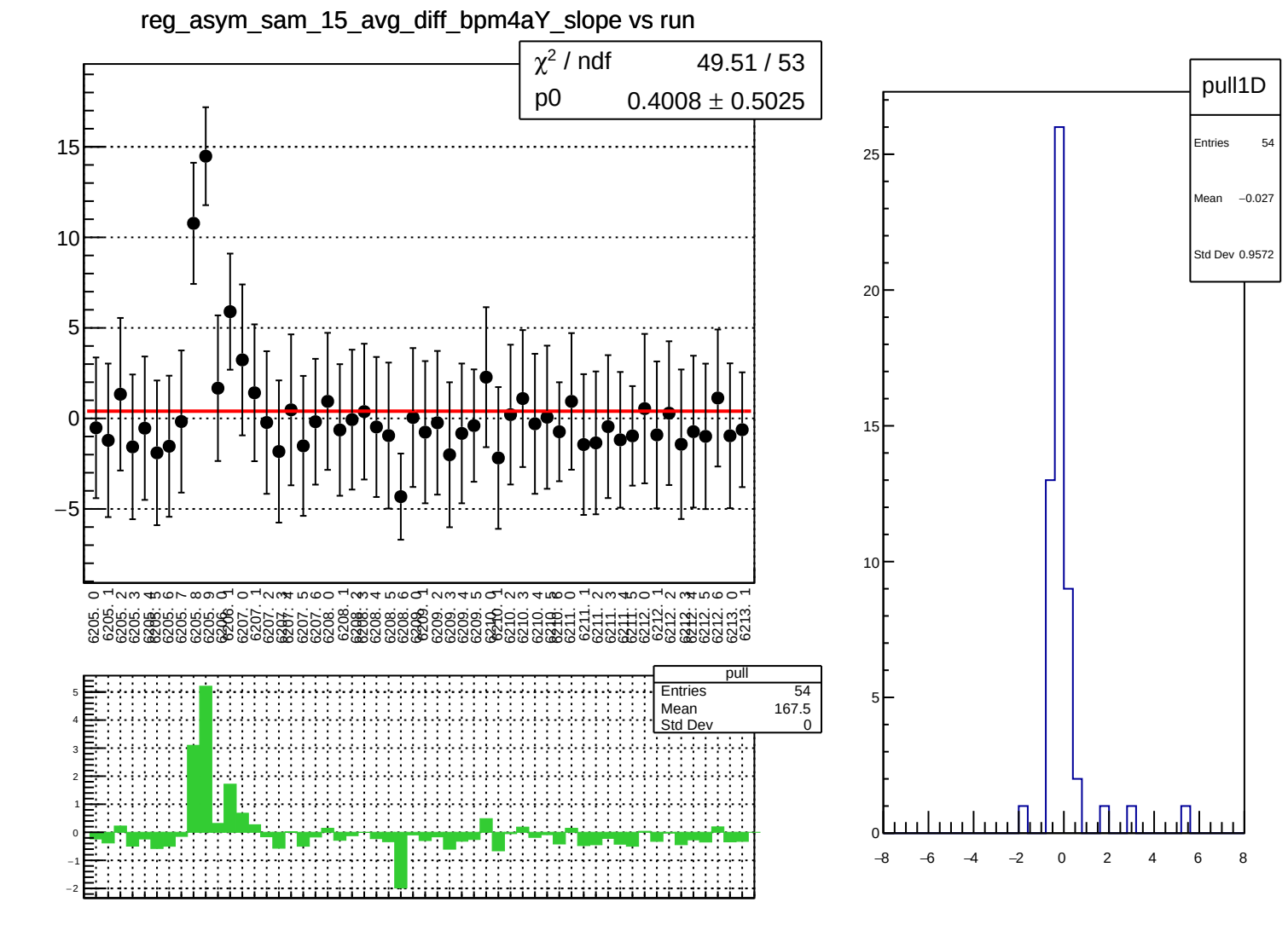

reg_asym_right_dd_diff_bpm4eY_slope vs run
χ² / ndf 22.16 / 53
p0 13.38 ± 1.654
pull
Entries 54
Mean 79.45
Std Dev 0

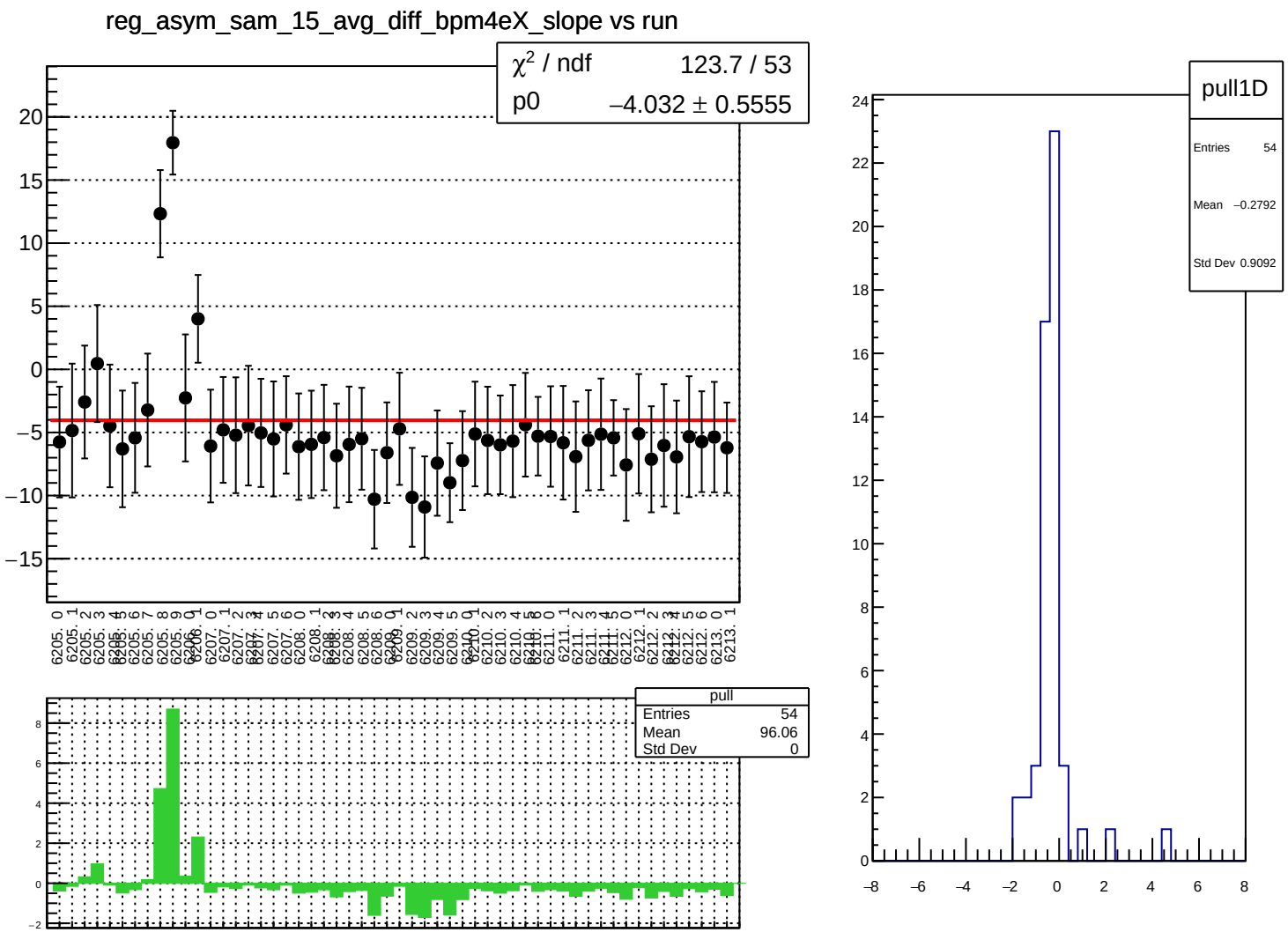

pull1D
Entries 54
Mean −0.02952
Std Dev 0.64

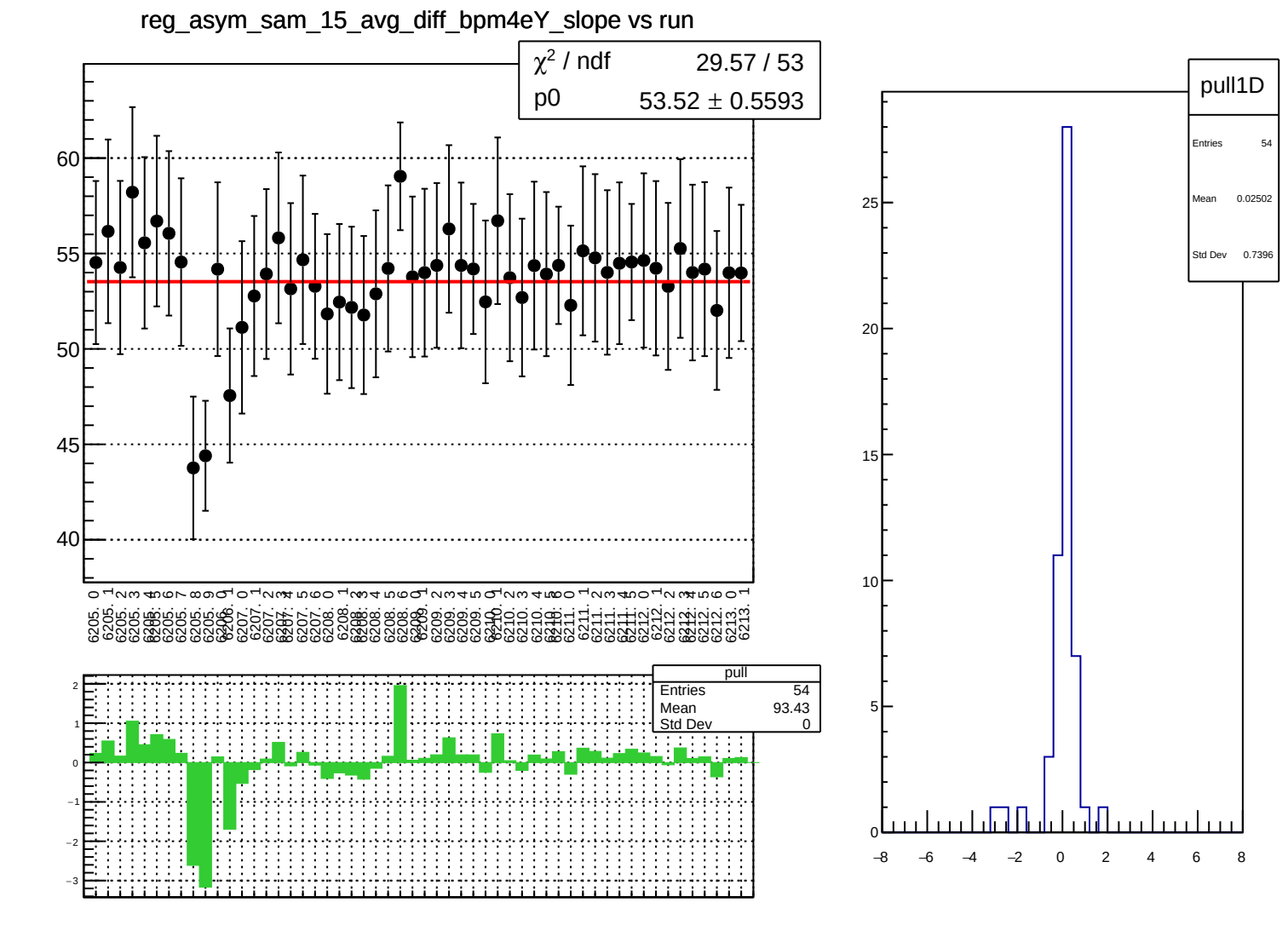

reg_asym_right_dd_diff_bpm12X_slope vs run
χ² / ndf 24.98 / 53
p0 −18.67 ± 0.1363
pull
Entries 54
Mean −13.23
Std Dev 0
pull1D
Entries 54
Mean −0.03145
Std Dev 0.6794

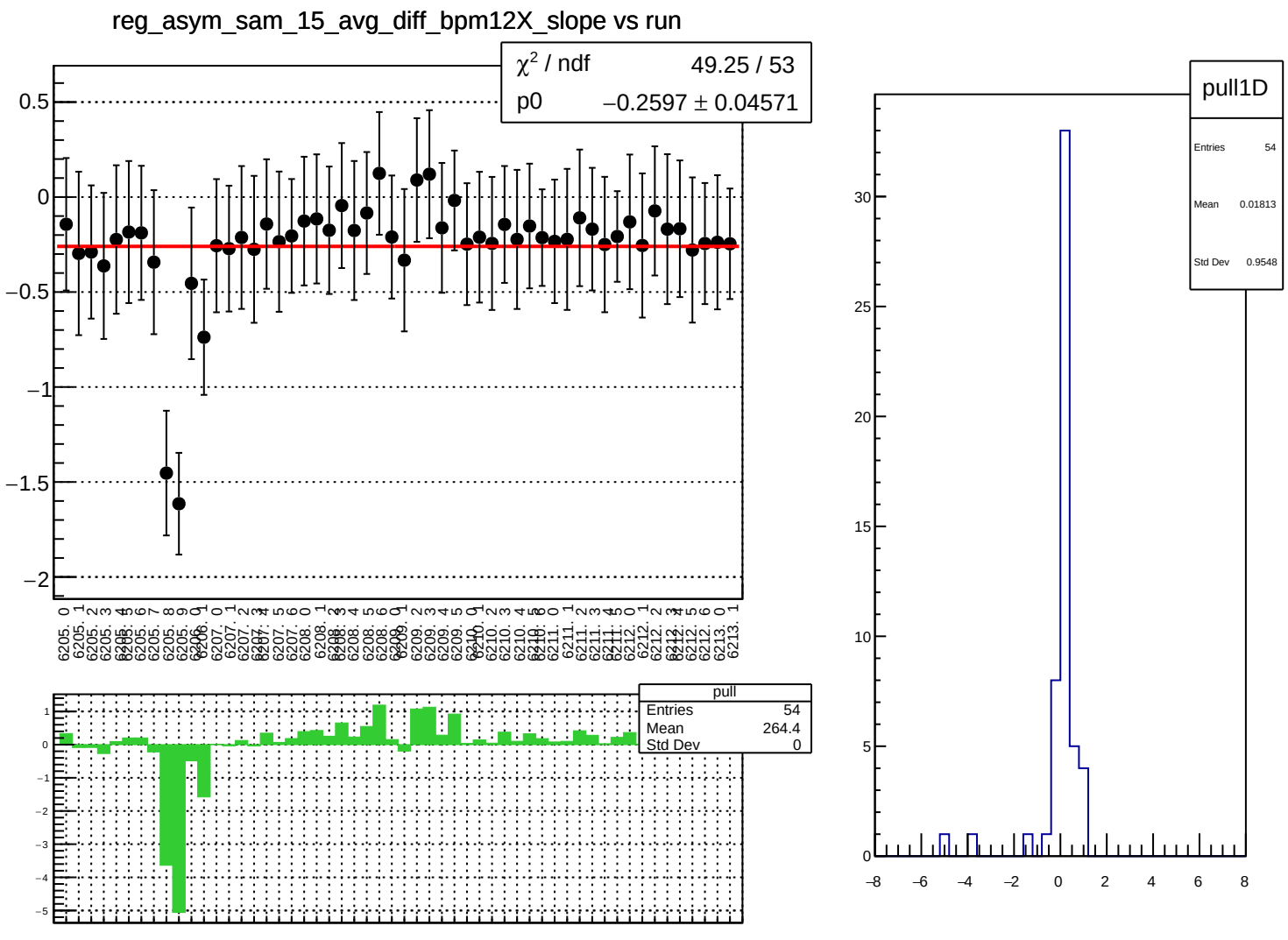

reg_asym_sam_15_avg_diff_bpm1X_slope vs run
χ² / ndf 125.4 / 53
p0 −4.726 ± 0.5083
pull
Entries 54
Mean 101.6
Std Dev 0

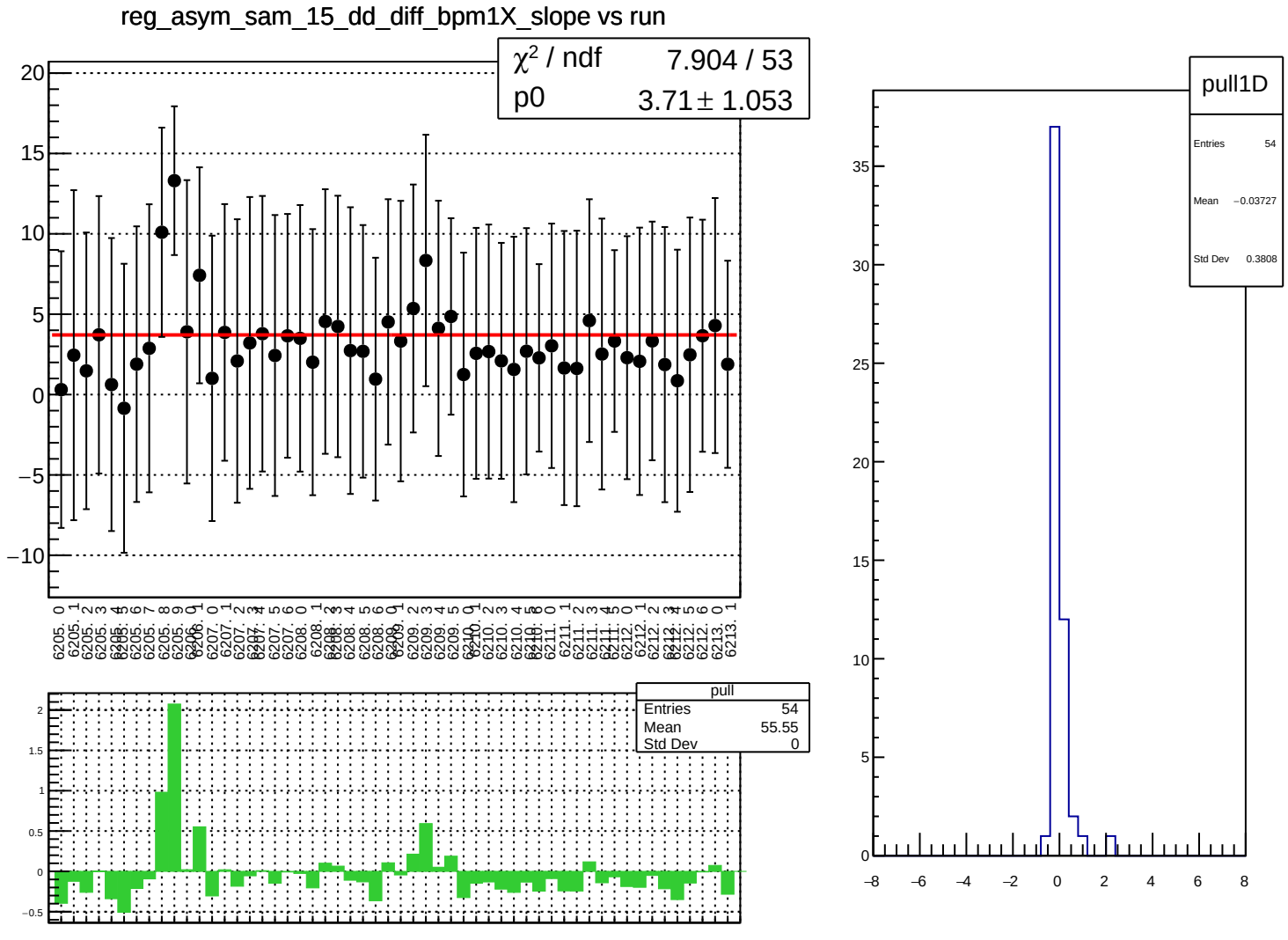

pull1D
Entries 54
Mean 0.2733
Std Dev 0.908

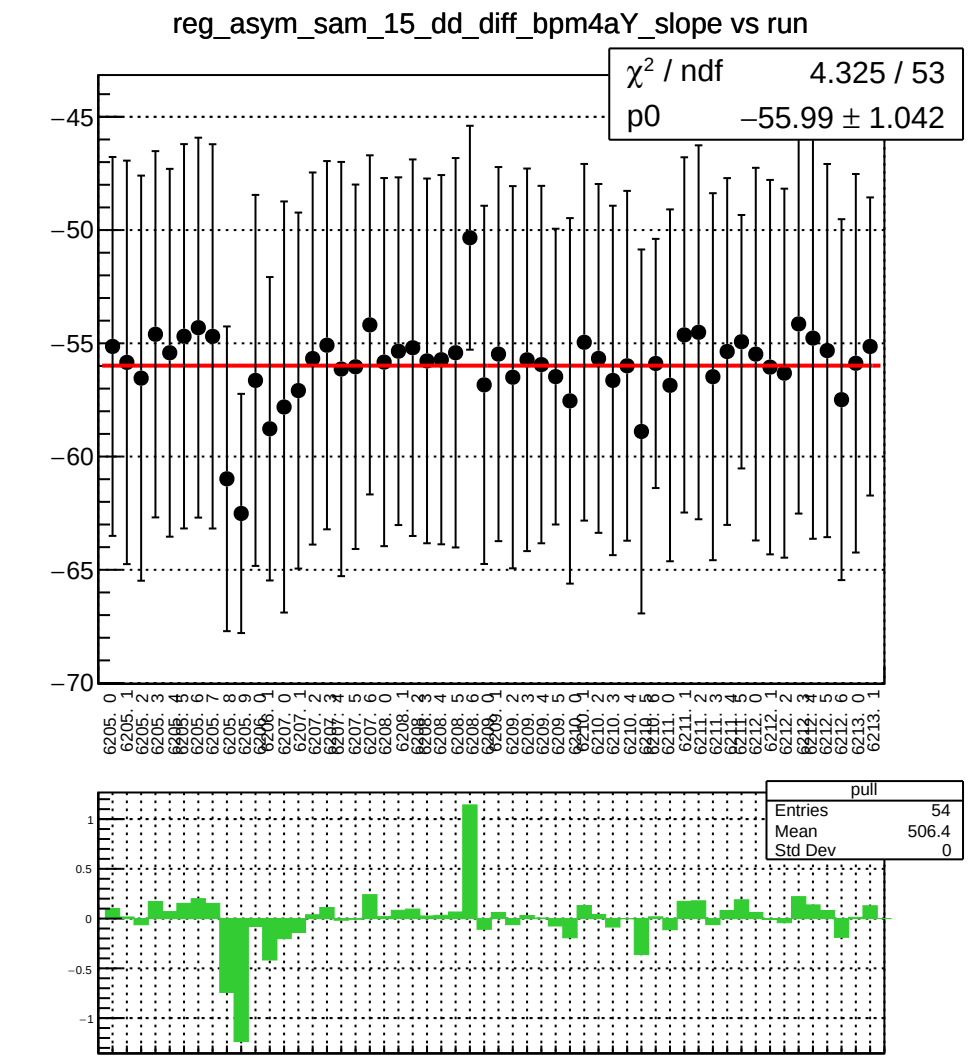

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ² / ndf 49.51 / 53
p0 0.4008 ± 0.5025
pull
Entries 54
Mean 167.5
Std Dev 0
pull1D
Entries 54
Mean −0.027
Std Dev 0.9572

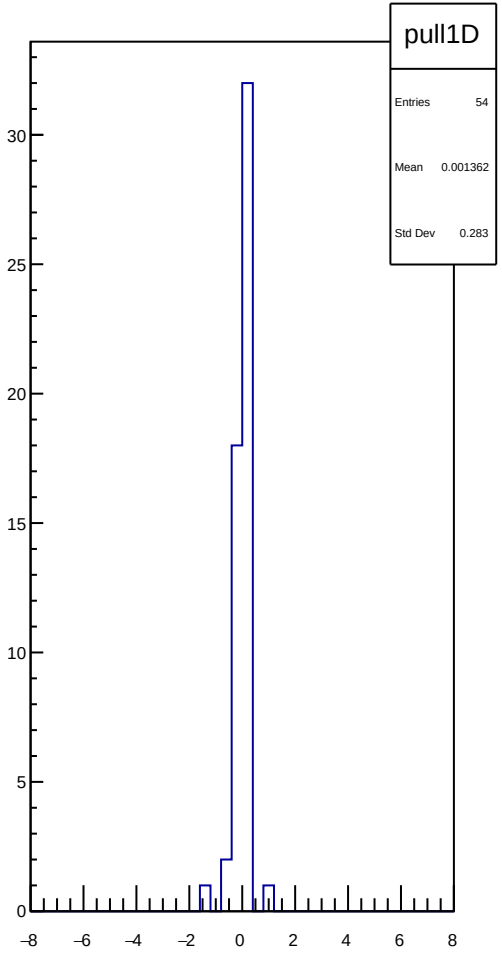

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 123.7 / 53
p0 −4.032 ± 0.5555
pull
Entries 54
Mean 96.06
Std Dev 0
pull1D
Entries 54
Mean −0.2792
Std Dev 0.9092

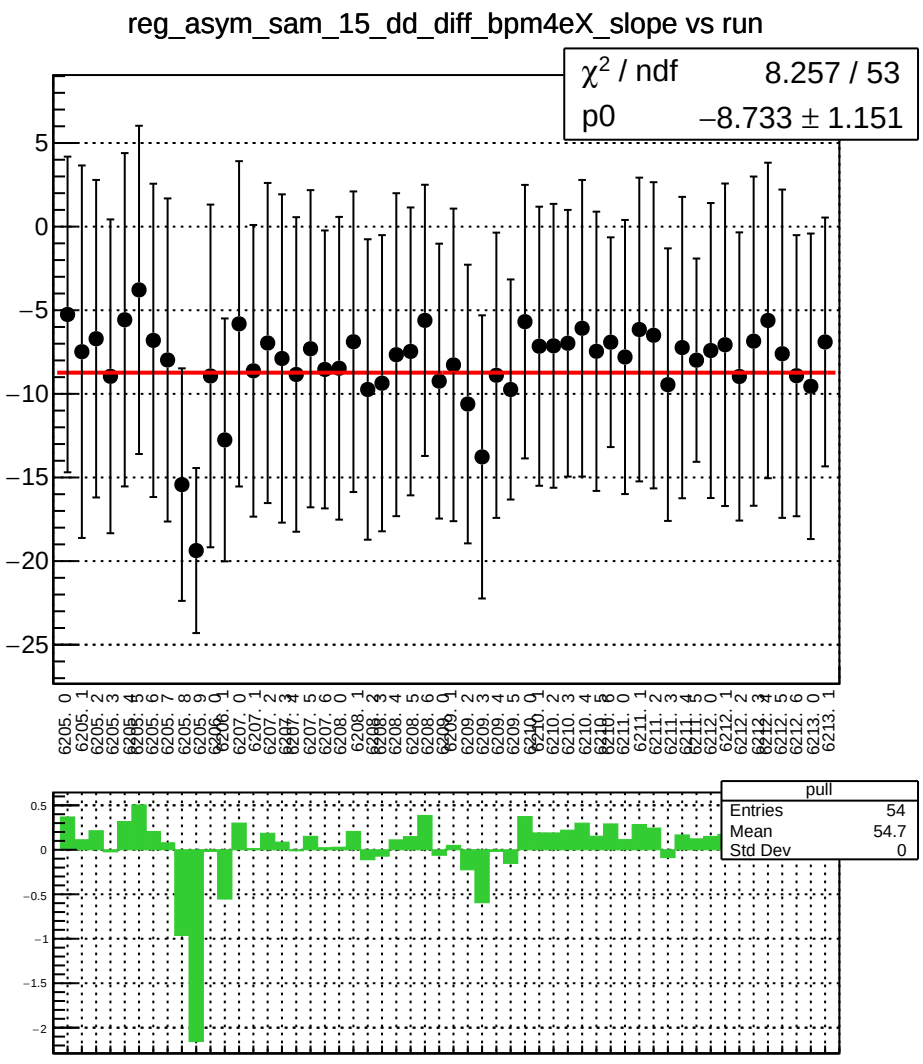

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 29.57 / 53
p0 53.52 ± 0.5593
pull
Entries 54
Mean 93.43
Std Dev 0
pull1D
Entries 54
Mean 0.02502
Std Dev 0.7396

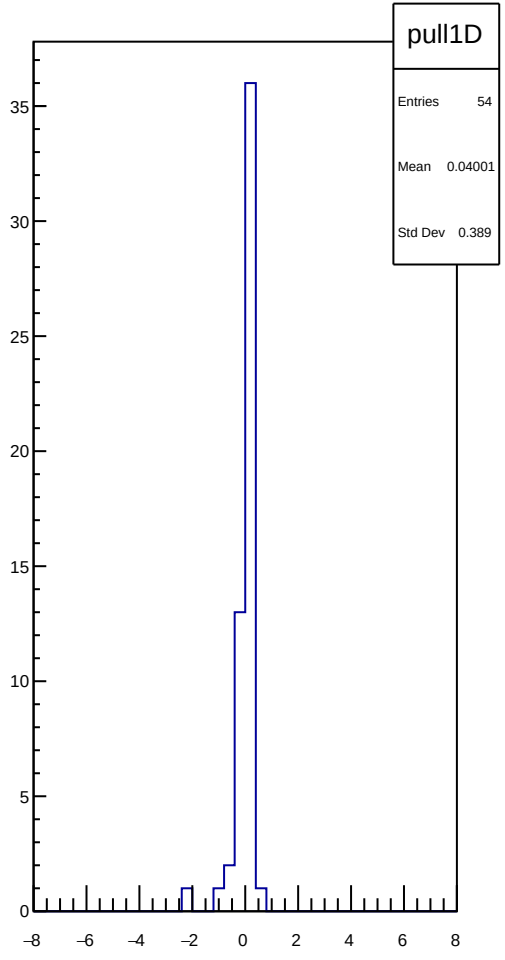

reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ² / ndf 49.25 / 53
p0 −0.2597 ± 0.04571
pull
Entries 54
Mean 264.4
Std Dev 0
pull1D
Entries 54
Mean 0.01813
Std Dev 0.9548

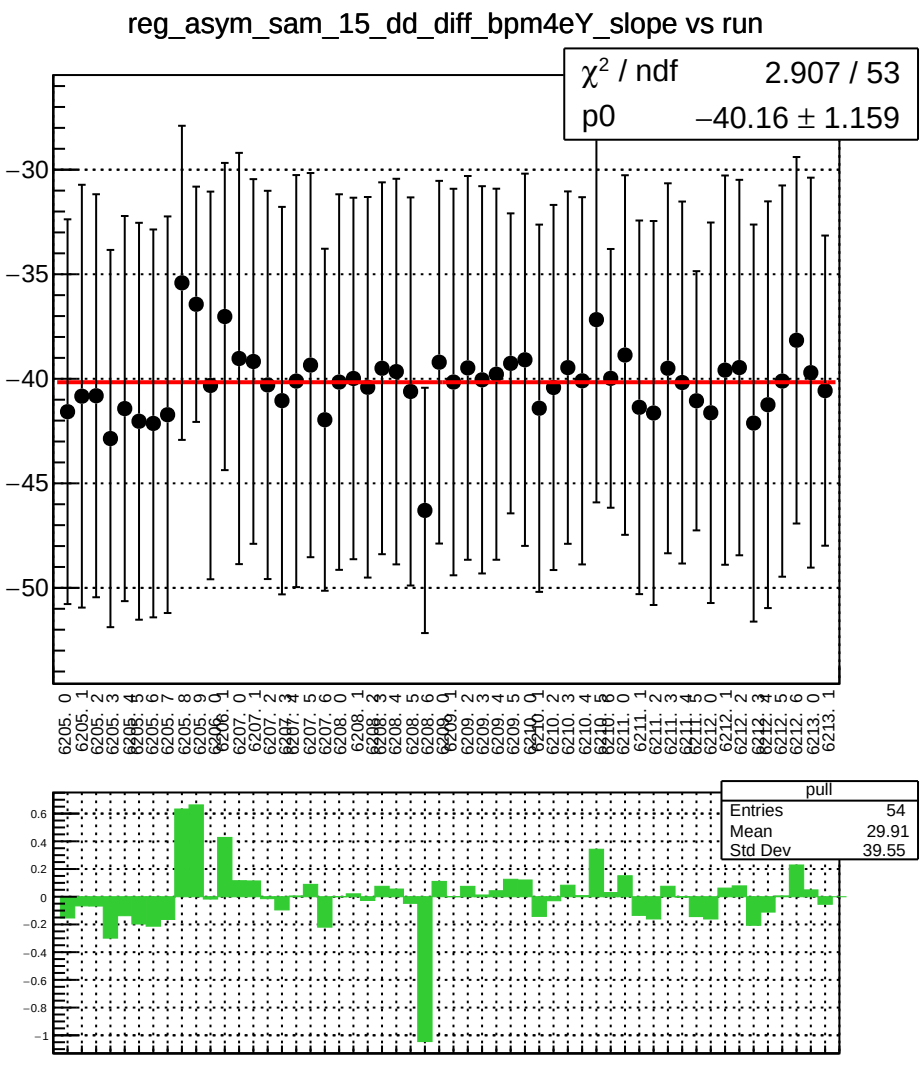

reg_asym_sam_15_dd_diff_bpm1X_slope vs run
χ² / ndf 7.904 / 53
p0 3.71 ± 1.053
pull
Entries 54
Mean 55.55
Std Dev 0
pull1D
Entries 54
Mean −0.03727
Std Dev 0.3808

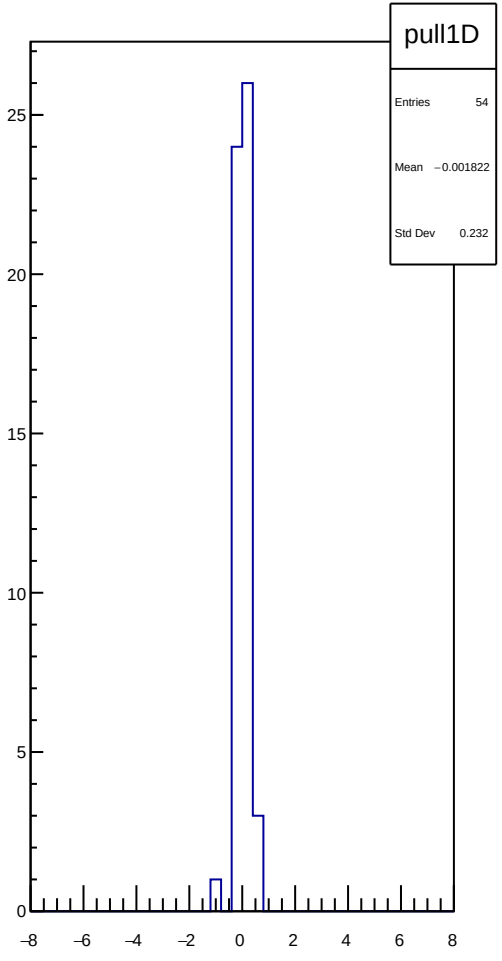

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 4.325 / 53
p0 −55.99 ± 1.042
pull
Entries 54
Mean 506.4
Std Dev 0

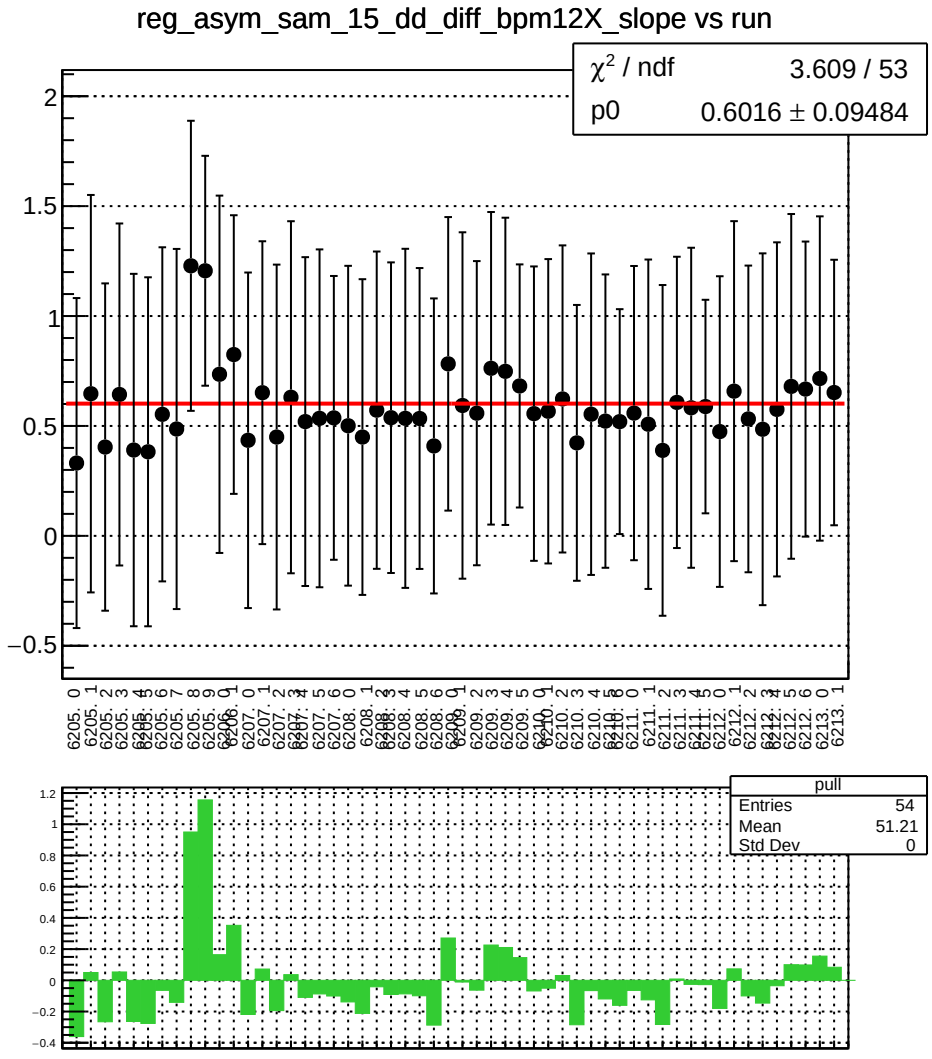

pull1D
Entries 54
Mean 0.001362
Std Dev 0.283

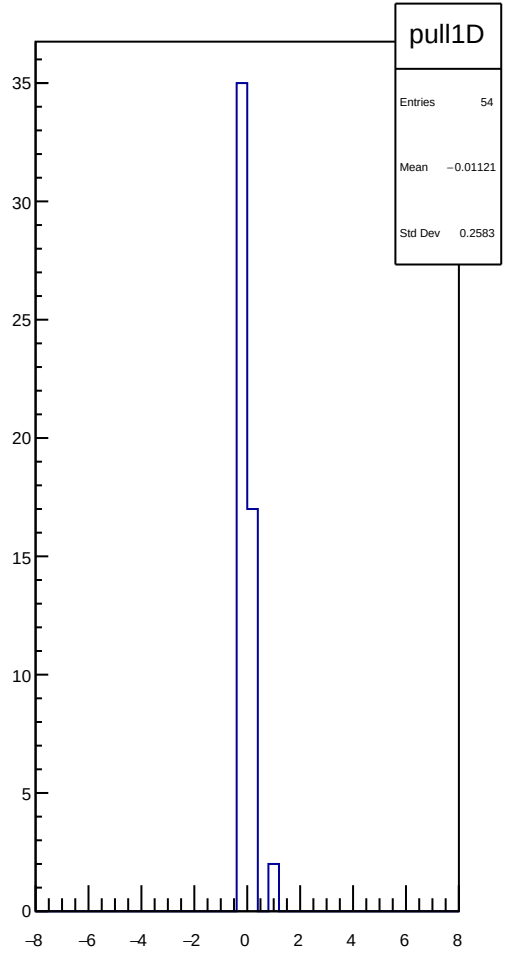

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 8.257 / 53
p0 −8.733 ± 1.151
pull
Entries 54
Mean 54.7
Std Dev 0

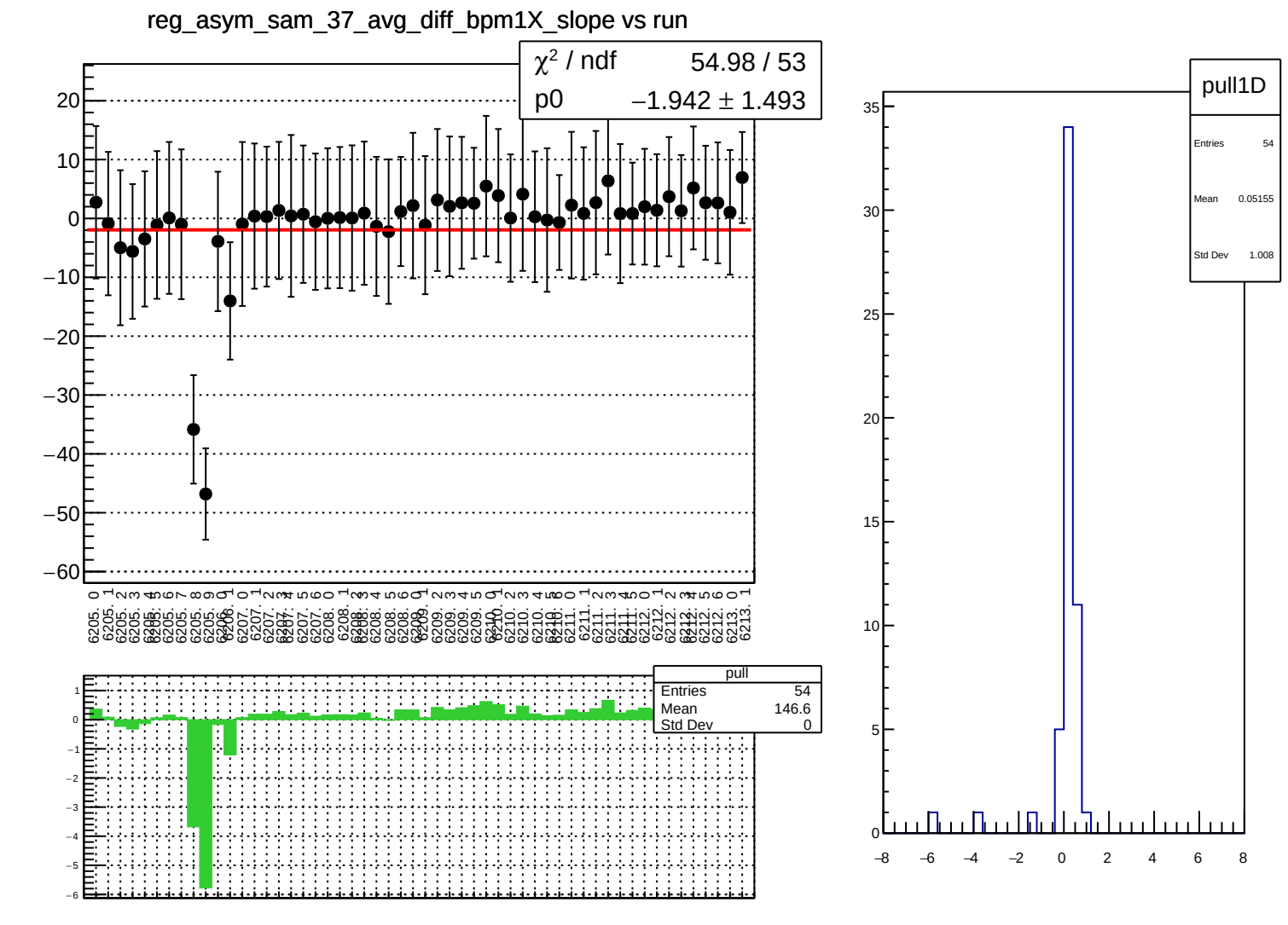

pull1D
Entries 54
Mean 0.04001
Std Dev 0.389

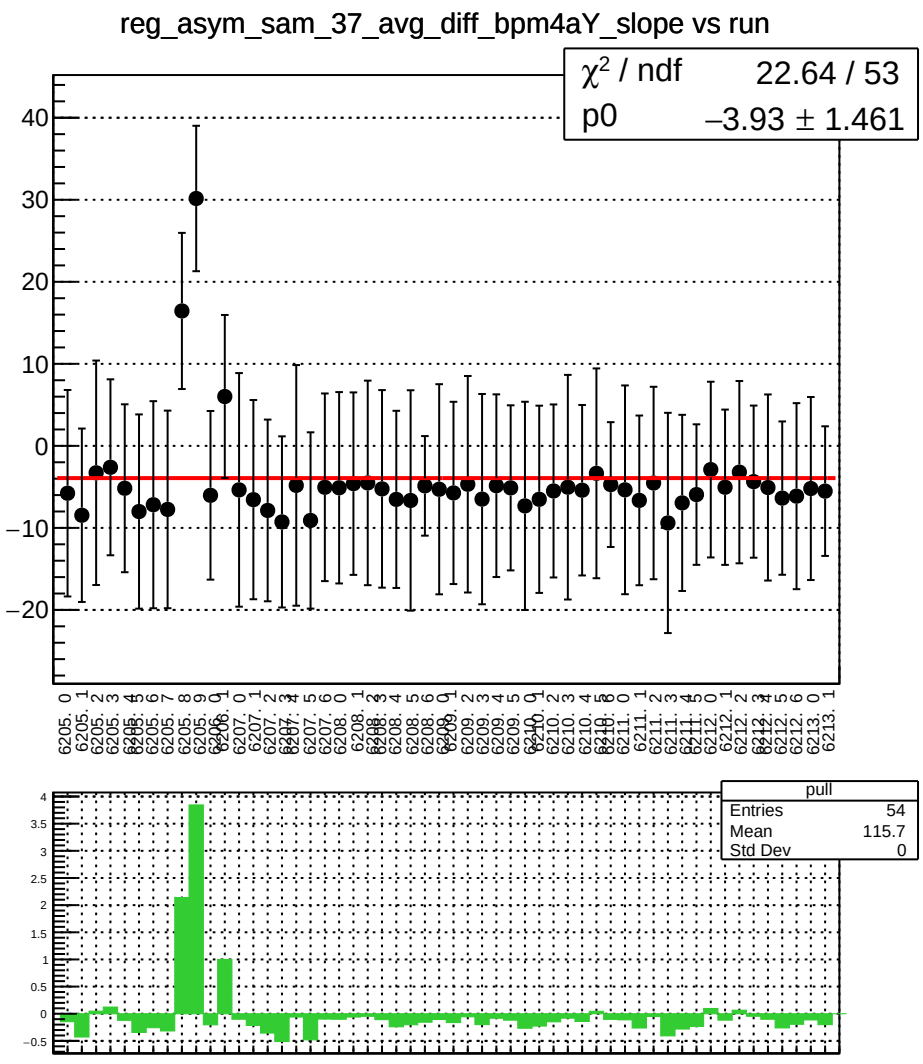

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 2.907 / 53
p0 −40.16 ± 1.159
pull
Entries 54
Mean 29.91
Std Dev 39.55

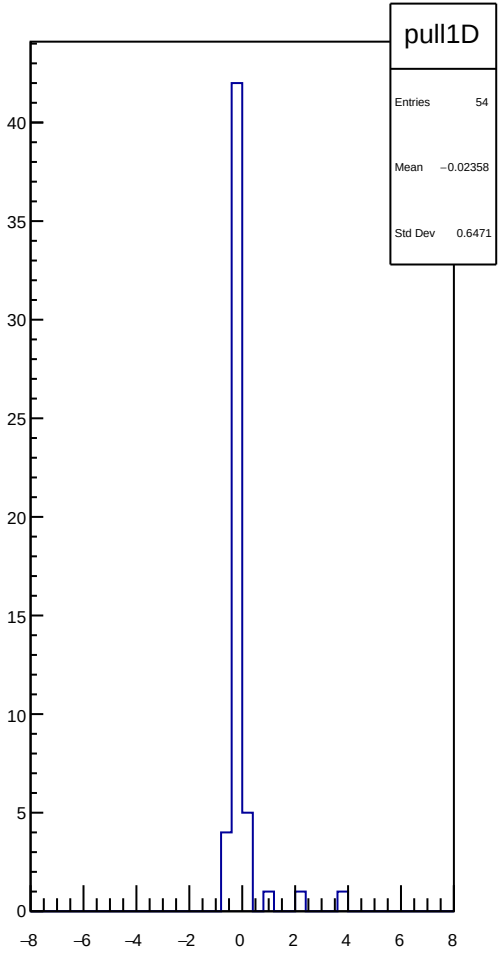

pull1D
Entries 54
Mean −0.001822
Std Dev 0.232

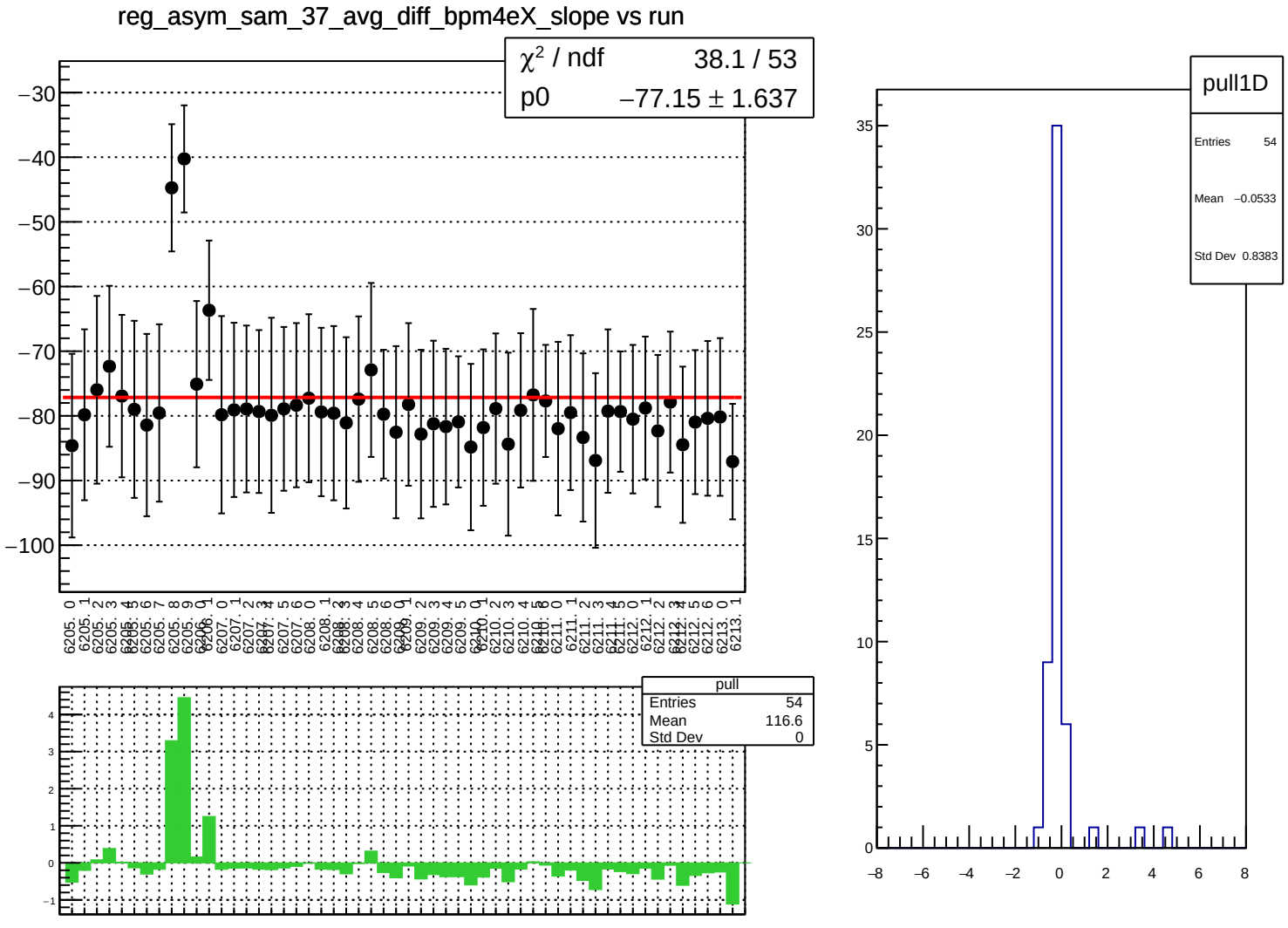

reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ² / ndf 3.609 / 53
p0 0.6016 ± 0.09484
pull
Entries 54
Mean 51.21
Std Dev 0

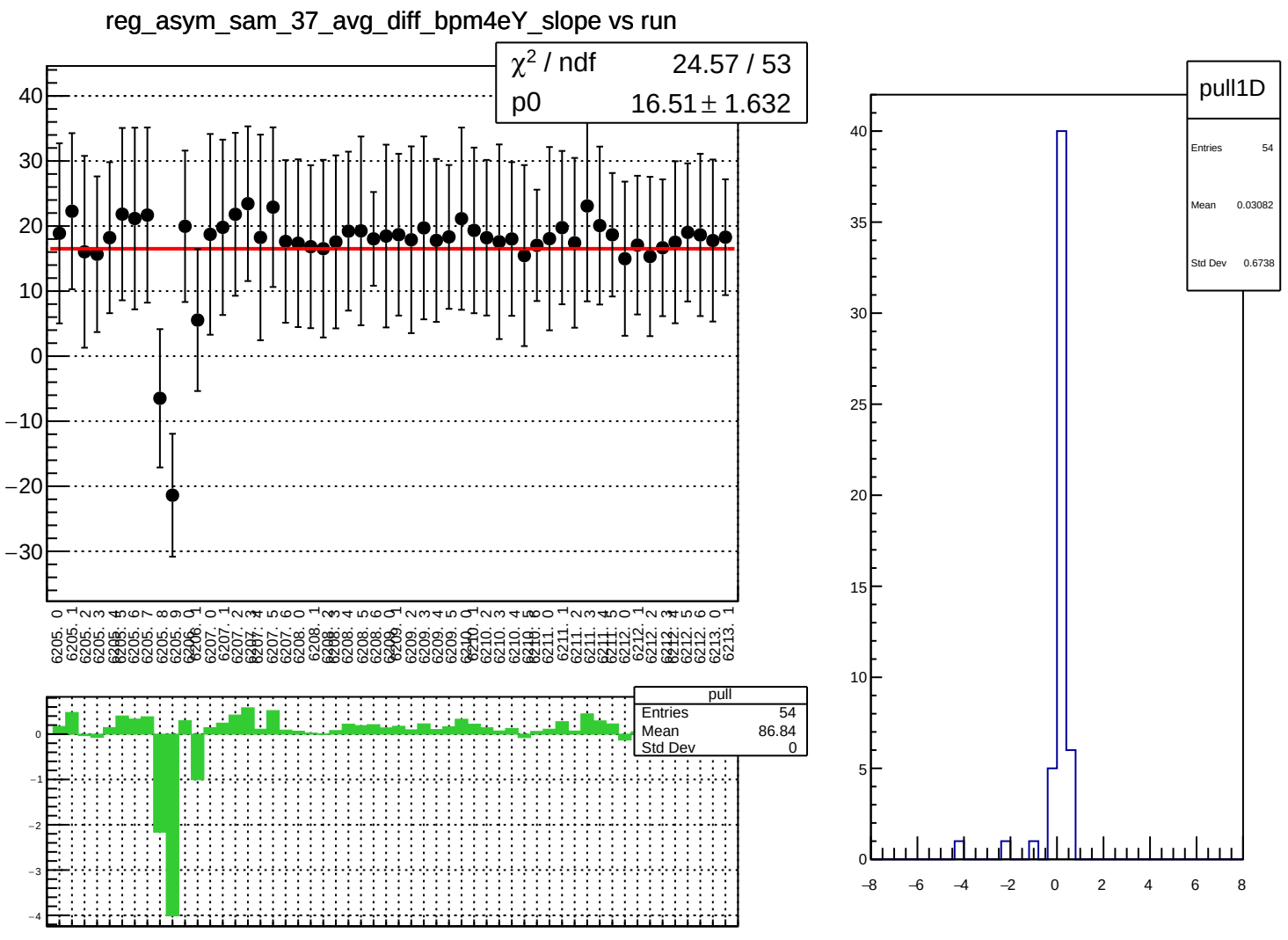

pull1D
Entries 54
Mean −0.01121
Std Dev 0.2583

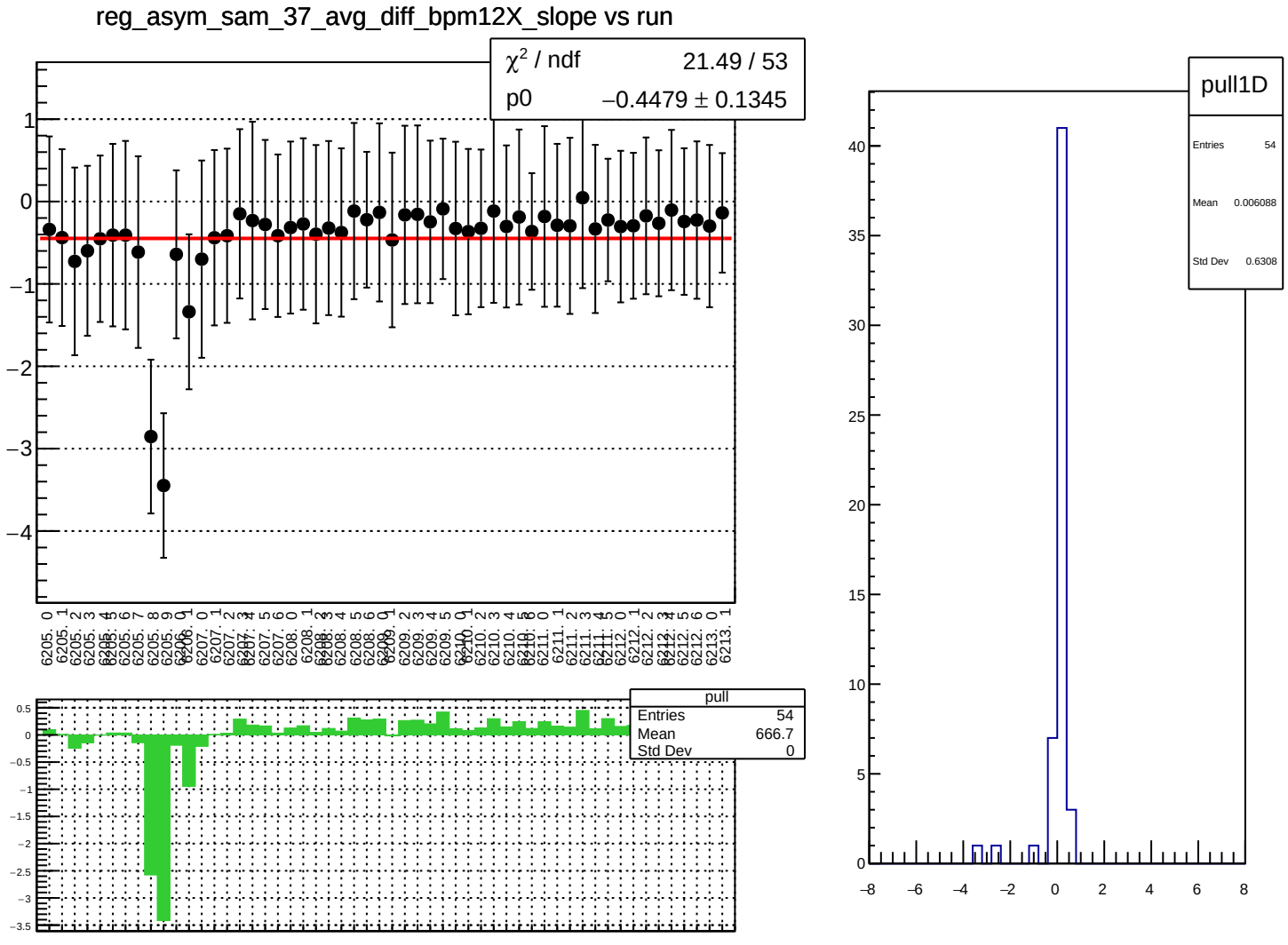

reg_asym_sam_37_avg_diff_bpm1X_slope vs run
χ² / ndf 54.98 / 53
p0 −1.942 ± 1.493
pull
Entries 54
Mean 146.6
Std Dev 0
pull1D
Entries 54
Mean 0.05155
Std Dev 1.008

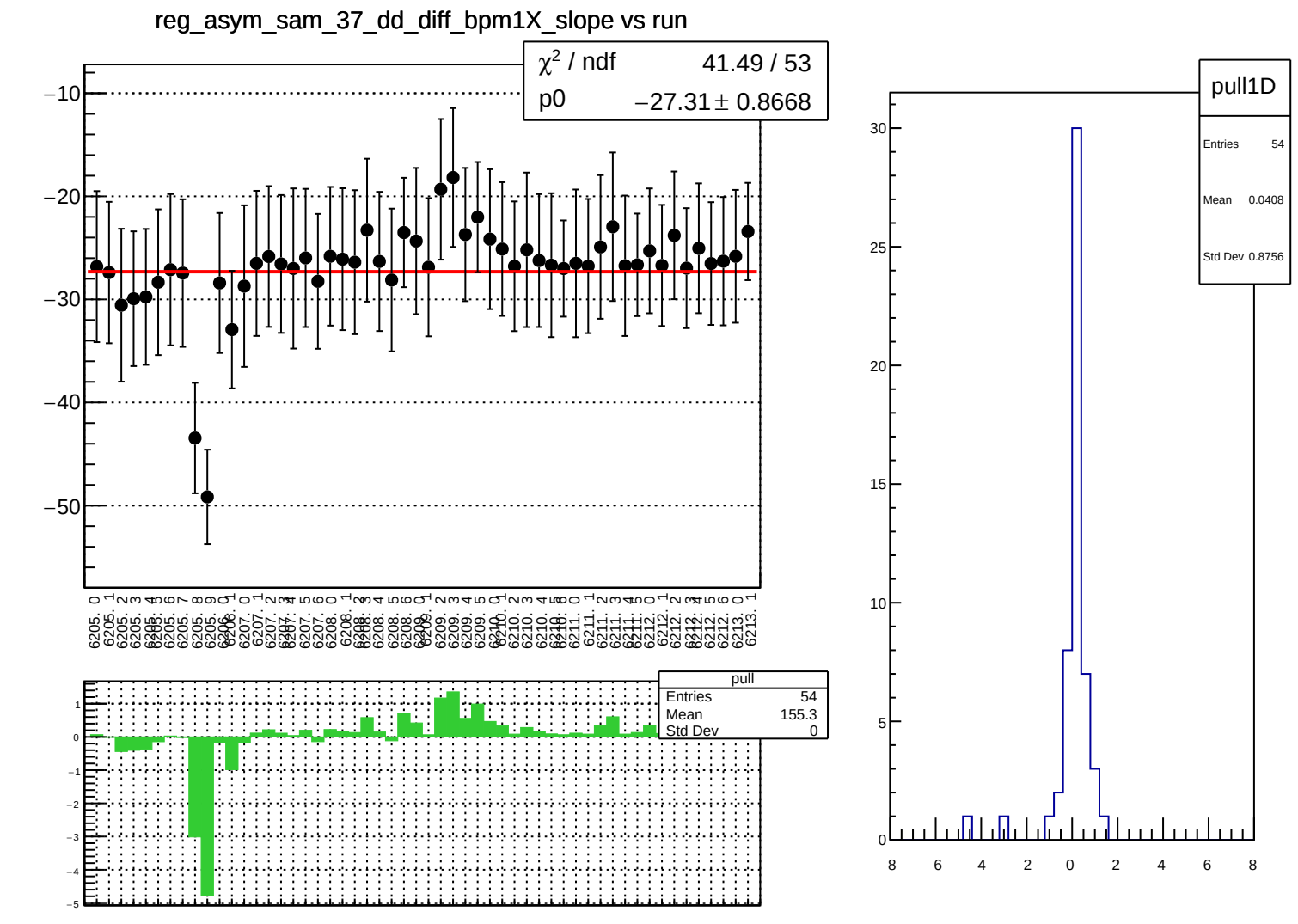

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ² / ndf 22.64 / 53
p0 −3.93 ± 1.461
pull
Entries 54
Mean 115.7
Std Dev 0

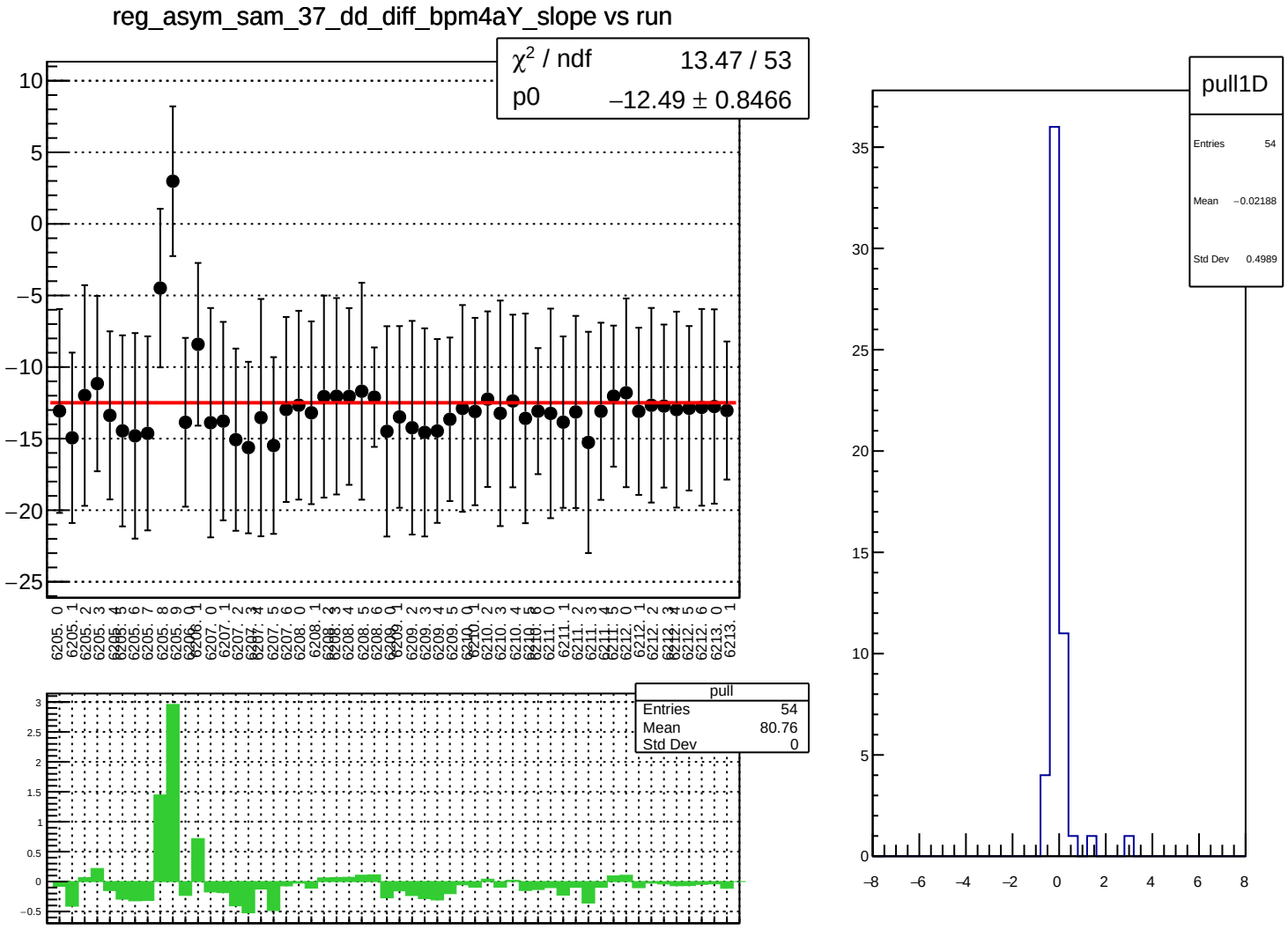

pull1D
Entries 54
Mean −0.02358
Std Dev 0.6471

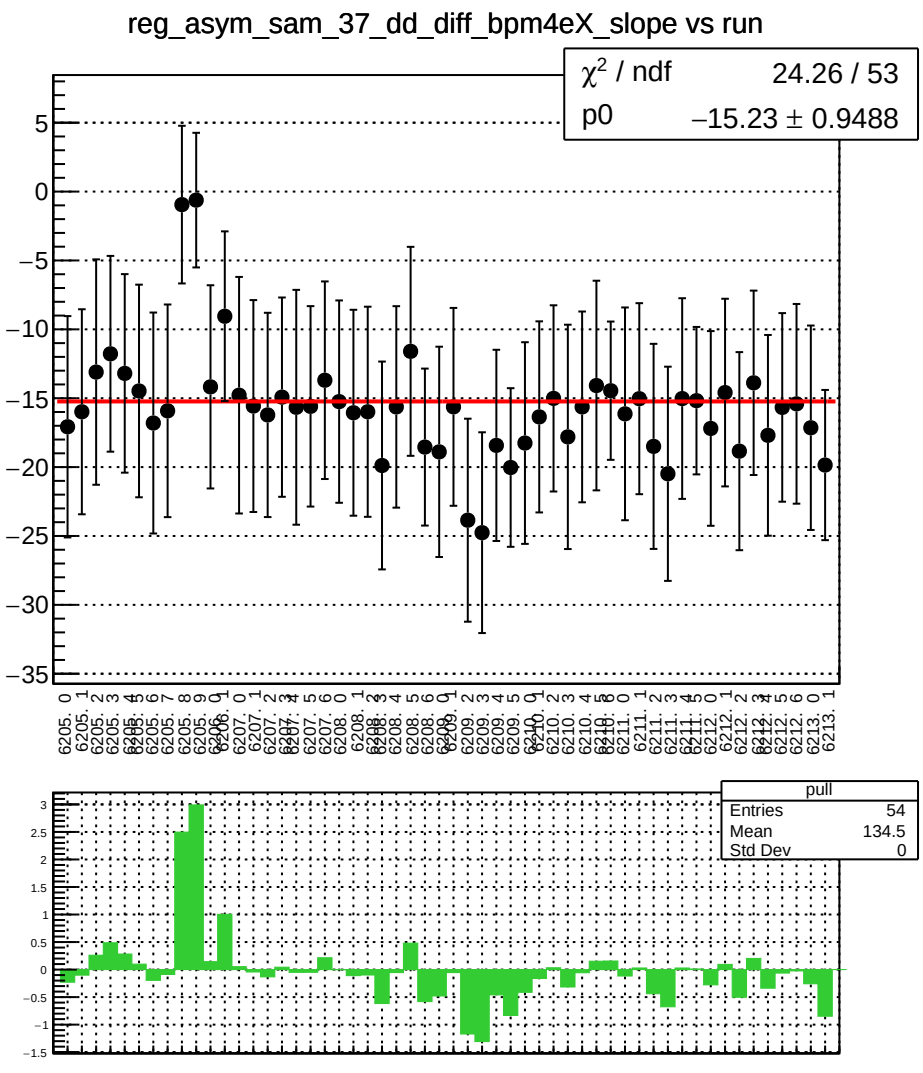

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ² / ndf 38.1 / 53
p0 −77.15 ± 1.637
pull
Entries 54
Mean 116.6
Std Dev 0
pull1D
Entries 54
Mean −0.0533
Std Dev 0.8383

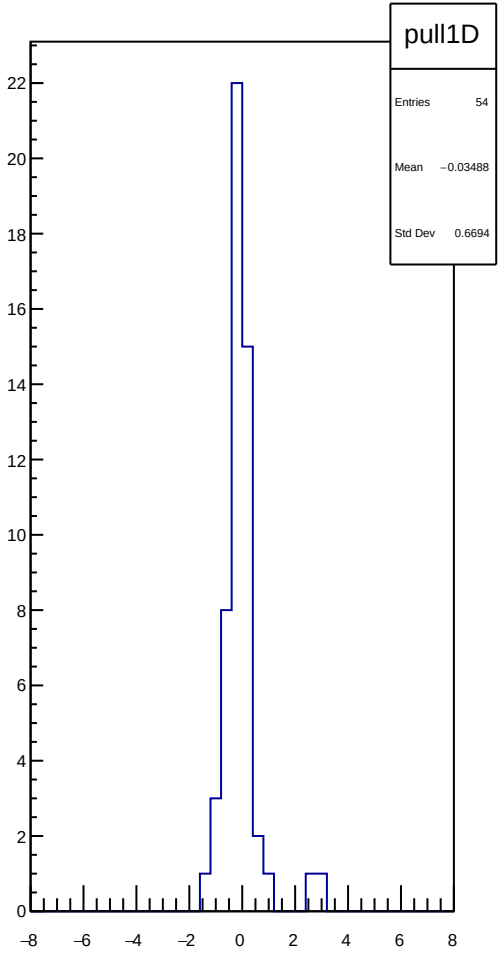

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 24.57 / 53
p0 16.51 ± 1.632
pull
Entries 54
Mean 86.84
Std Dev 0
pull1D
Entries 54
Mean 0.03082
Std Dev 0.6738

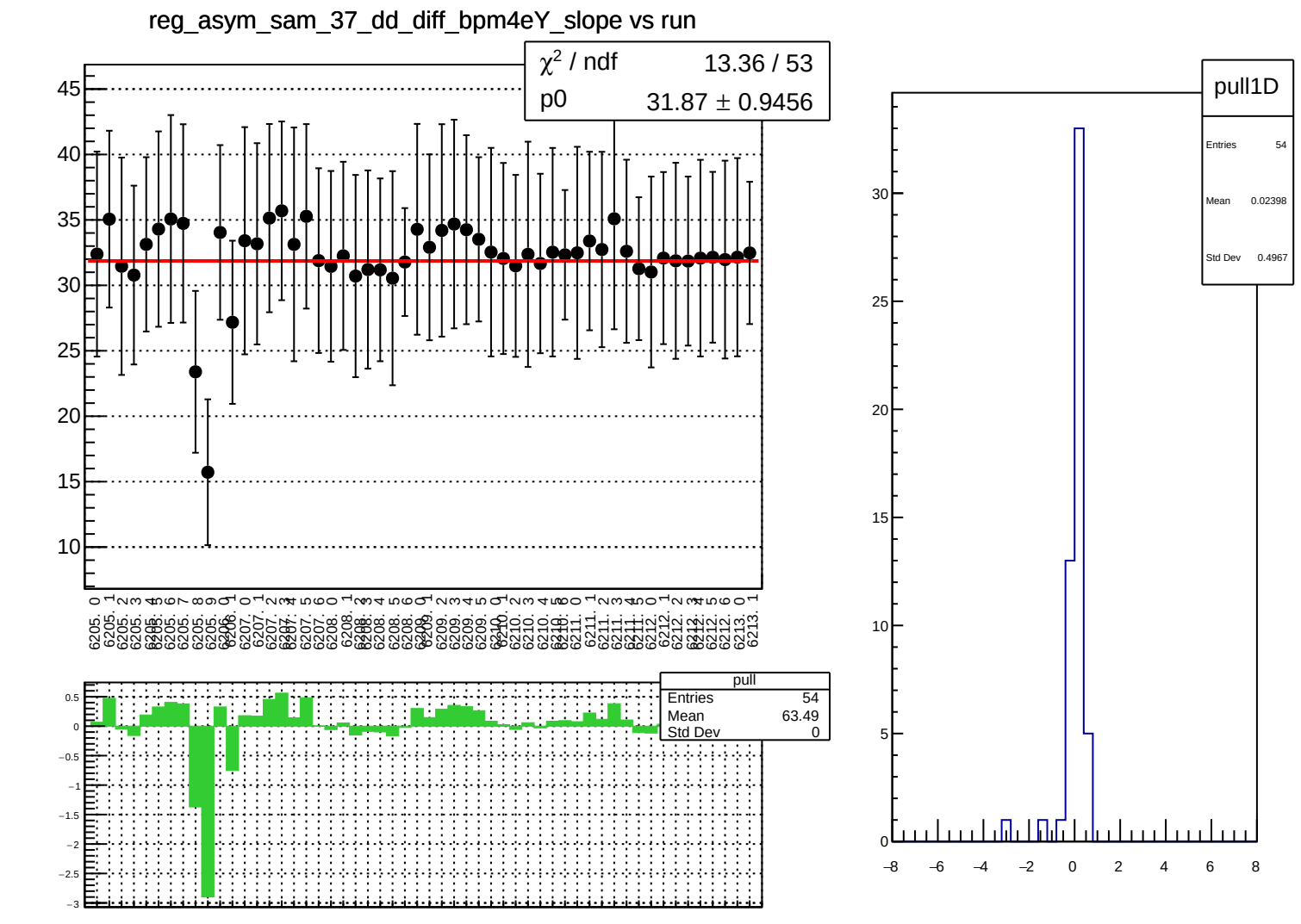

reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ² / ndf 21.49 / 53
p0 −0.4479 ± 0.1345
pull
Entries 54
Mean 666.7
Std Dev 0
pull1D
Entries 54
Mean 0.006088
Std Dev 0.6308

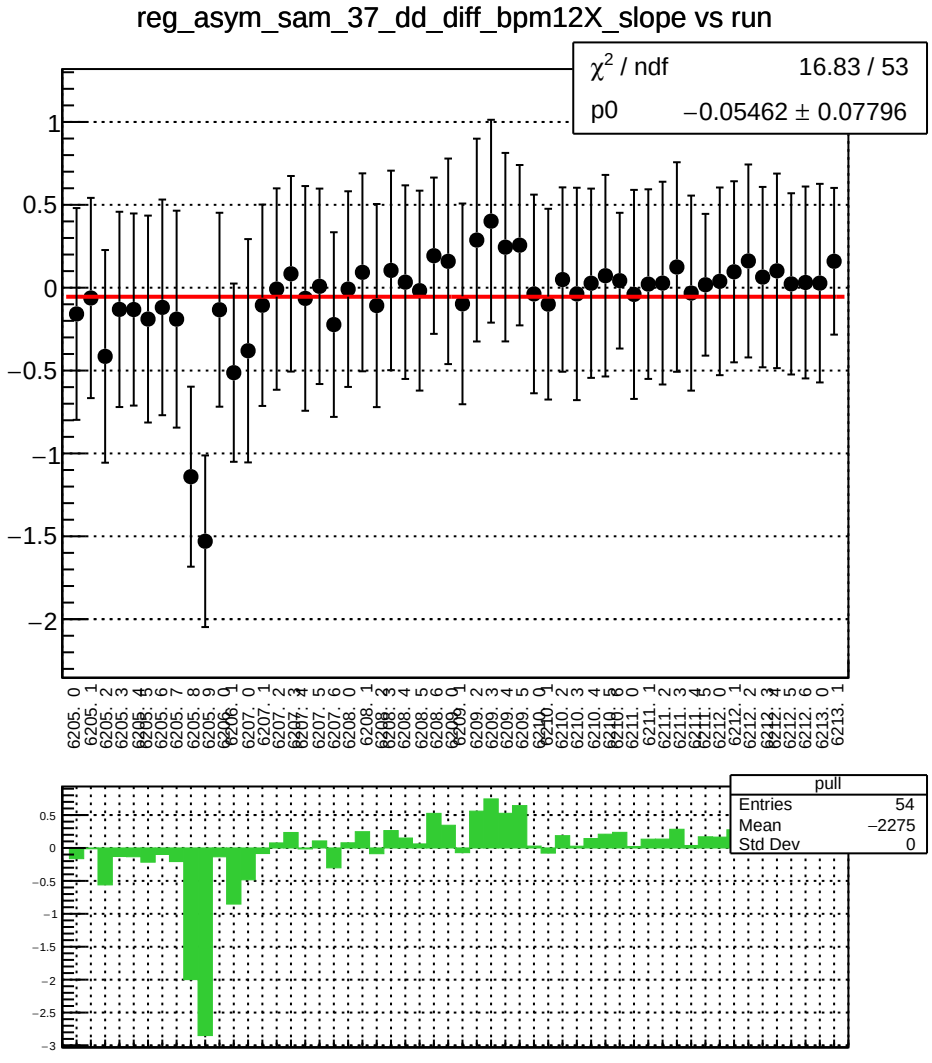

reg_asym_sam_37_dd_diff_bpm1X_slope vs run
χ² / ndf 41.49 / 53
p0 −27.31 ± 0.8668
pull
Entries 54
Mean 155.3
Std Dev 0
pull1D
Entries 54
Mean 0.0408
Std Dev 0.8756

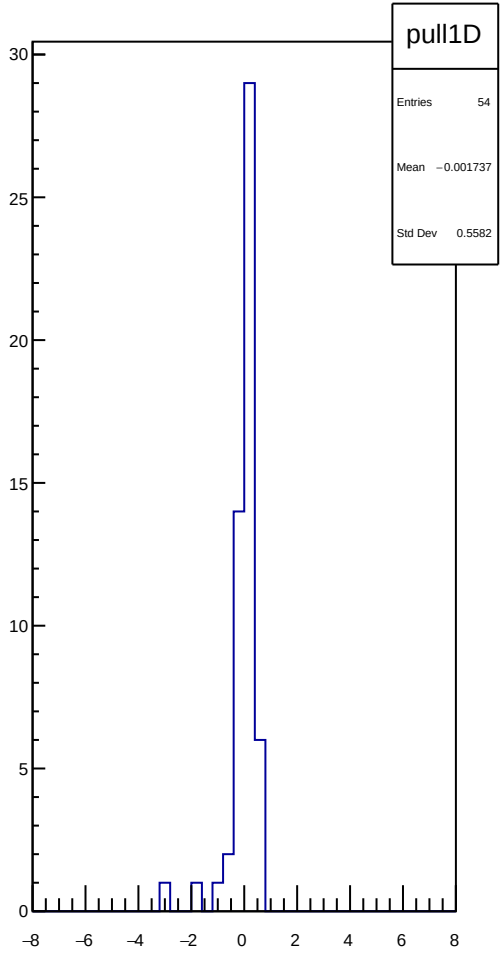

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 13.47 / 53
p0 −12.49 ± 0.8466
pull
Entries 54
Mean 80.76
Std Dev 0
pull1D
Entries 54
Mean −0.02188
Std Dev 0.4989

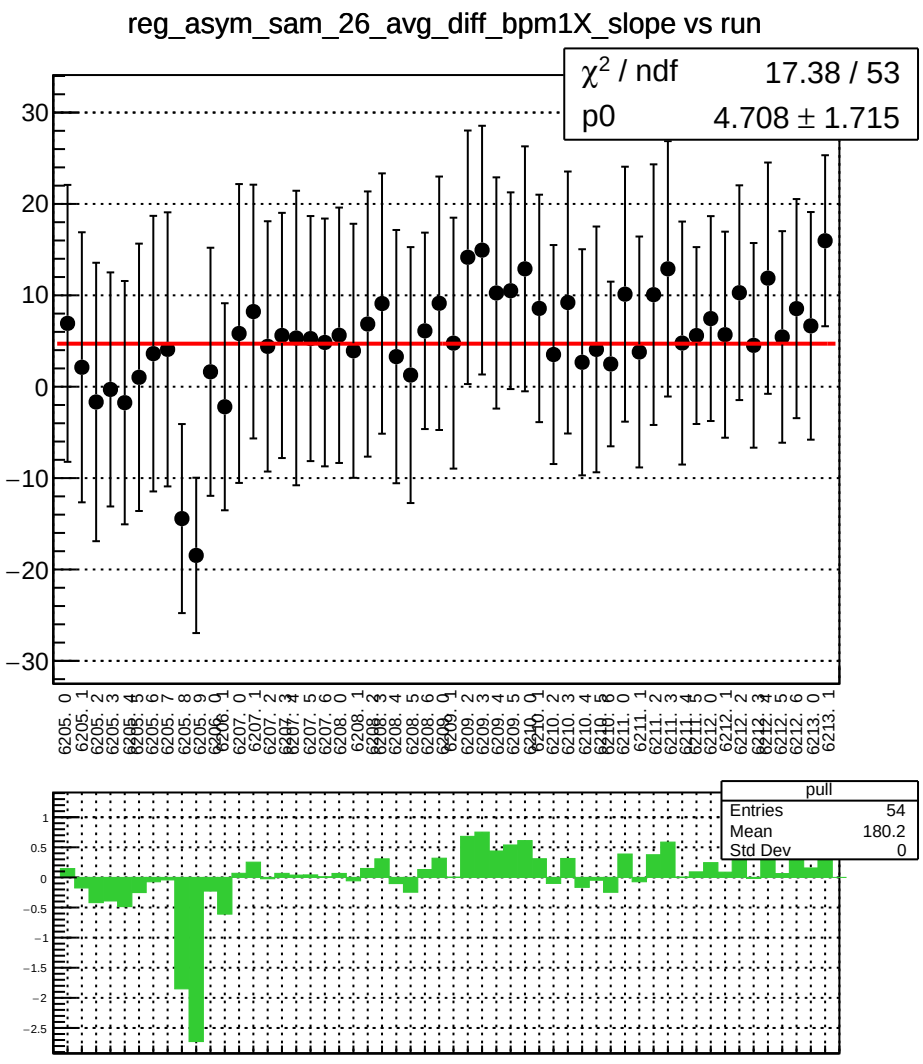

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 24.26 / 53
p0 −15.23 ± 0.9488
pull
Entries 54
Mean 134.5
Std Dev 0

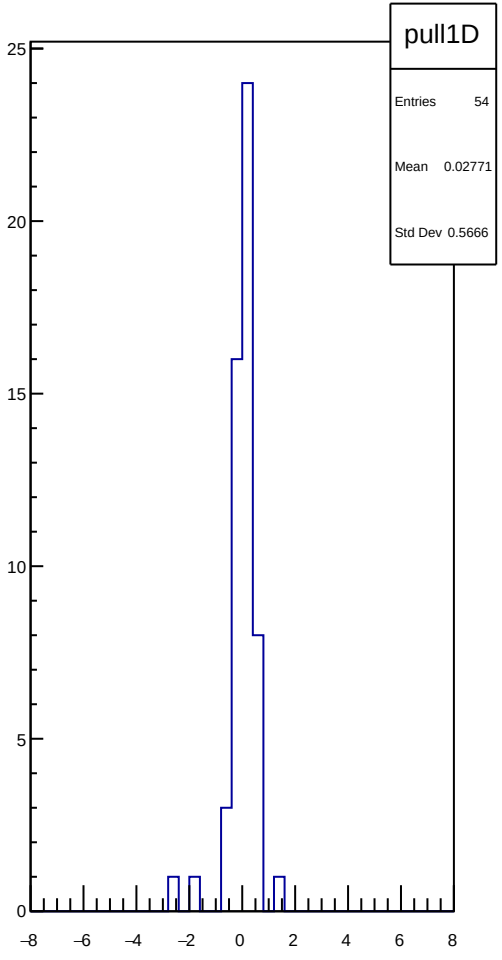

pull1D
Entries 54
Mean −0.03488
Std Dev 0.6694

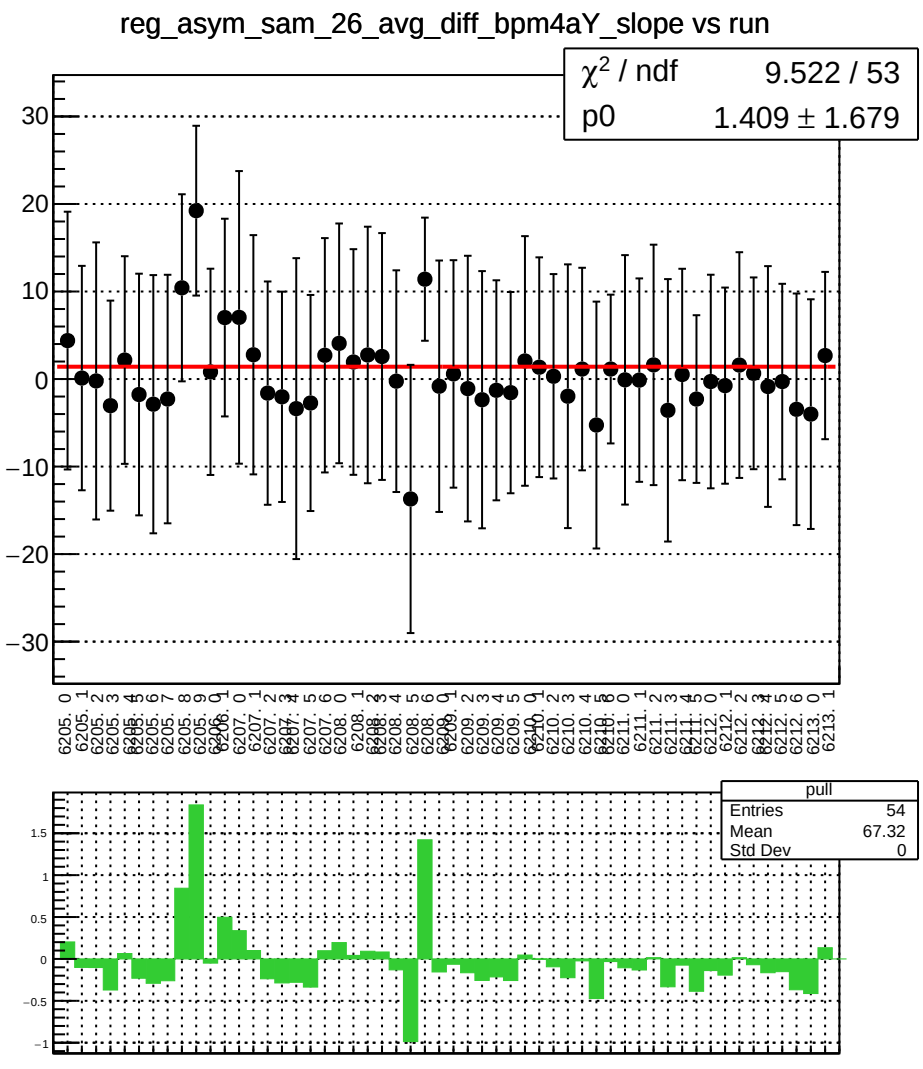

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 13.36 / 53
p0 31.87 ± 0.9456
pull
Entries 54
Mean 63.49
Std Dev 0
pull1D
Entries 54
Mean 0.02398
Std Dev 0.4967

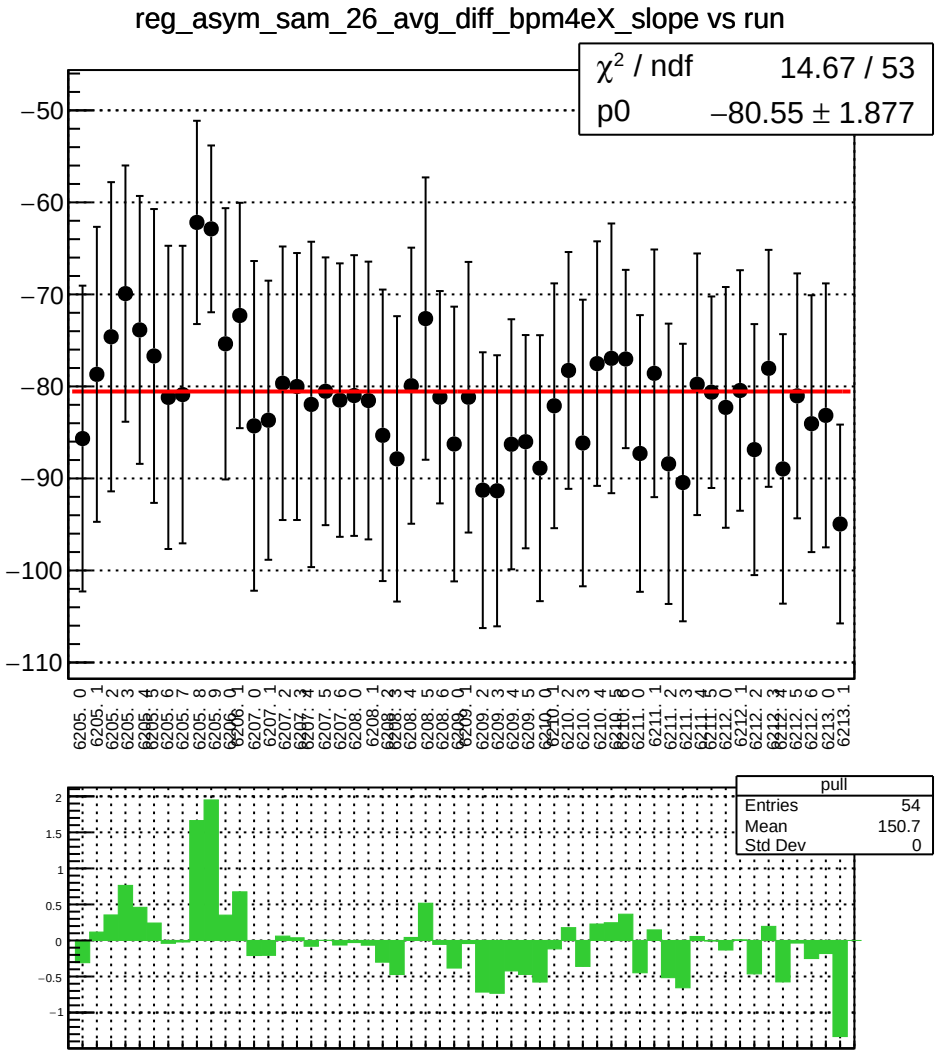

reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ² / ndf 16.83 / 53
p0 −0.05462 ± 0.07796
pull
Entries 54
Mean −2275
Std Dev 0

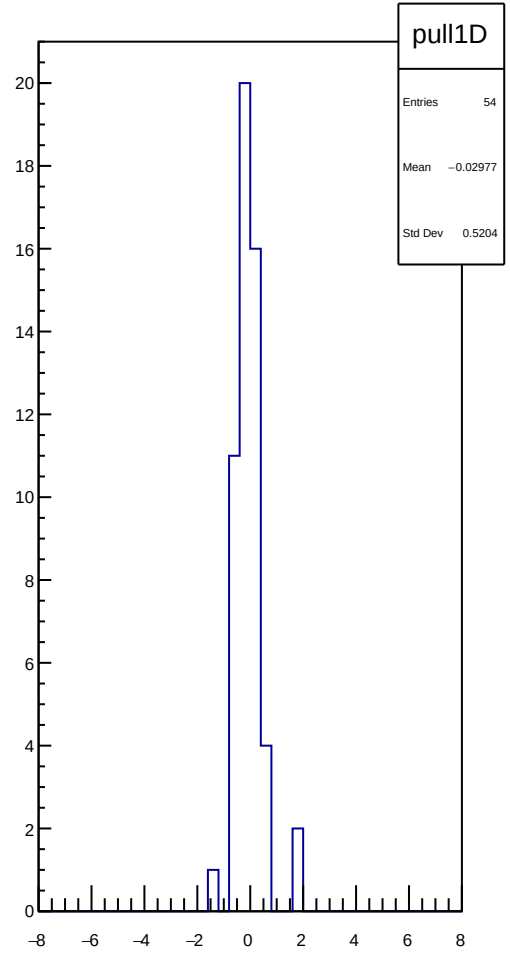

pull1D
Entries 54
Mean −0.001737
Std Dev 0.5582

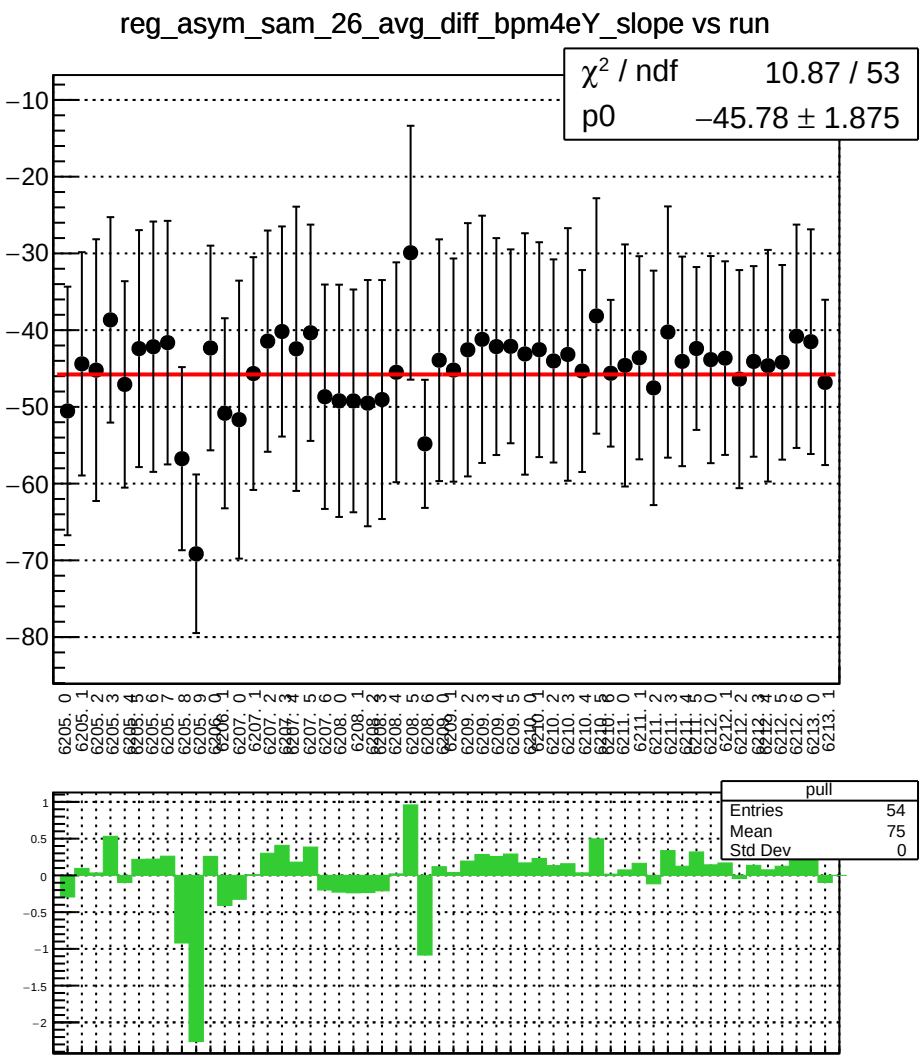

reg_asym_sam_26_avg_diff_bpm1X_slope vs run
χ² / ndf 17.38 / 53
p0 4.708 ± 1.715
pull
Entries 54
Mean 180.2
Std Dev 0

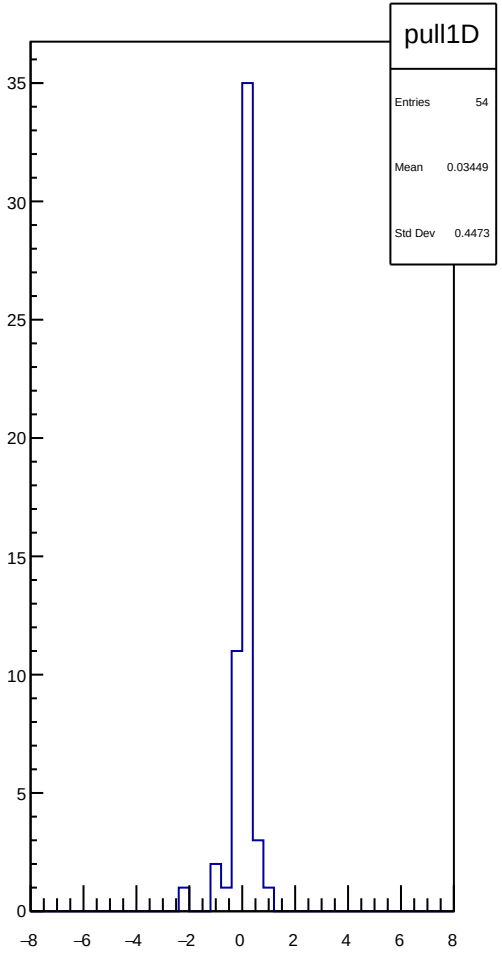

pull1D
Entries 54
Mean 0.02771
Std Dev 0.5666

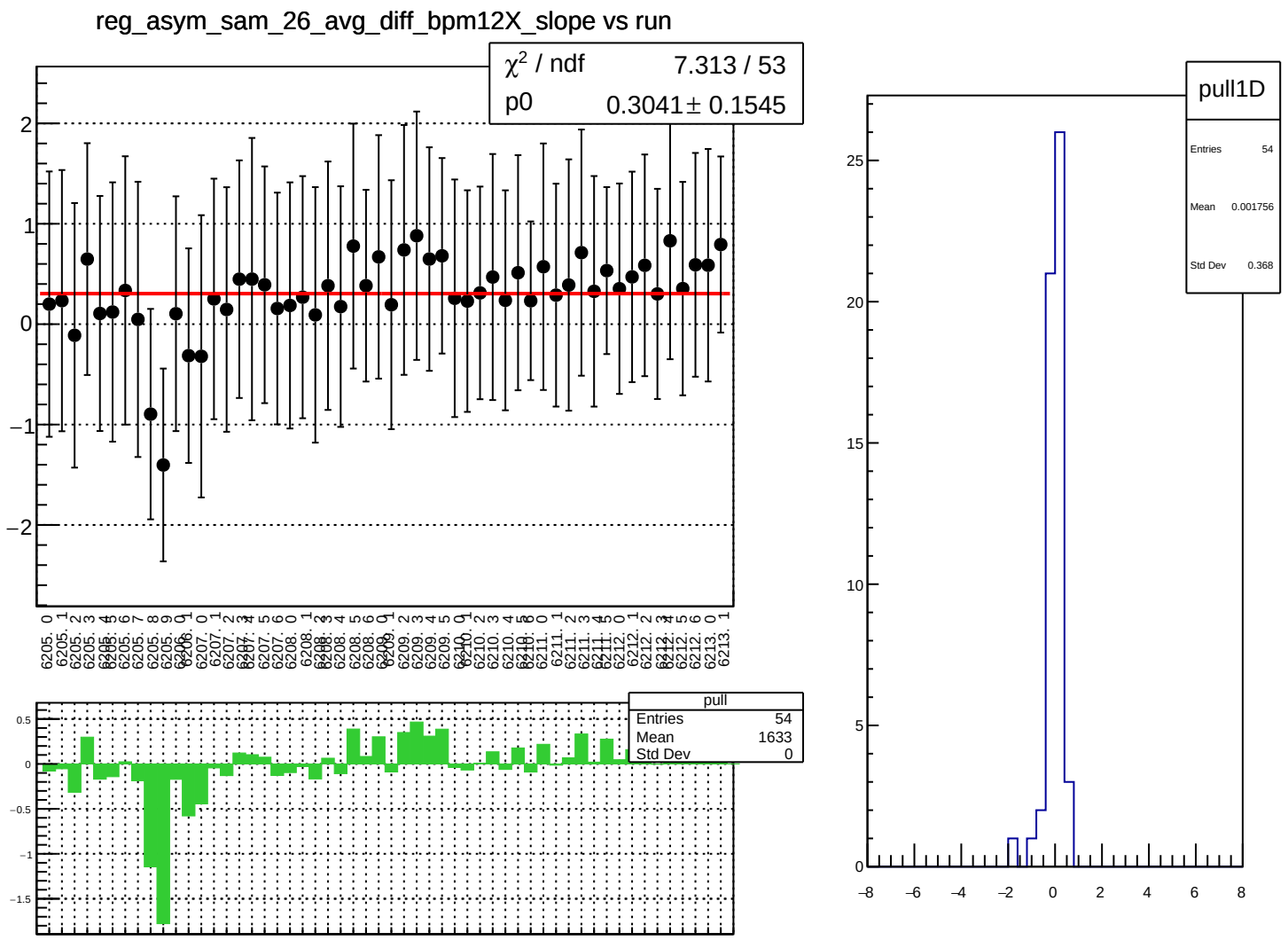

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 9.522 / 53
p0 1.409 ± 1.679
pull
Entries 54
Mean 67.32
Std Dev 0
pull1D
Entries 54
Mean −0.03934
Std Dev 0.4181

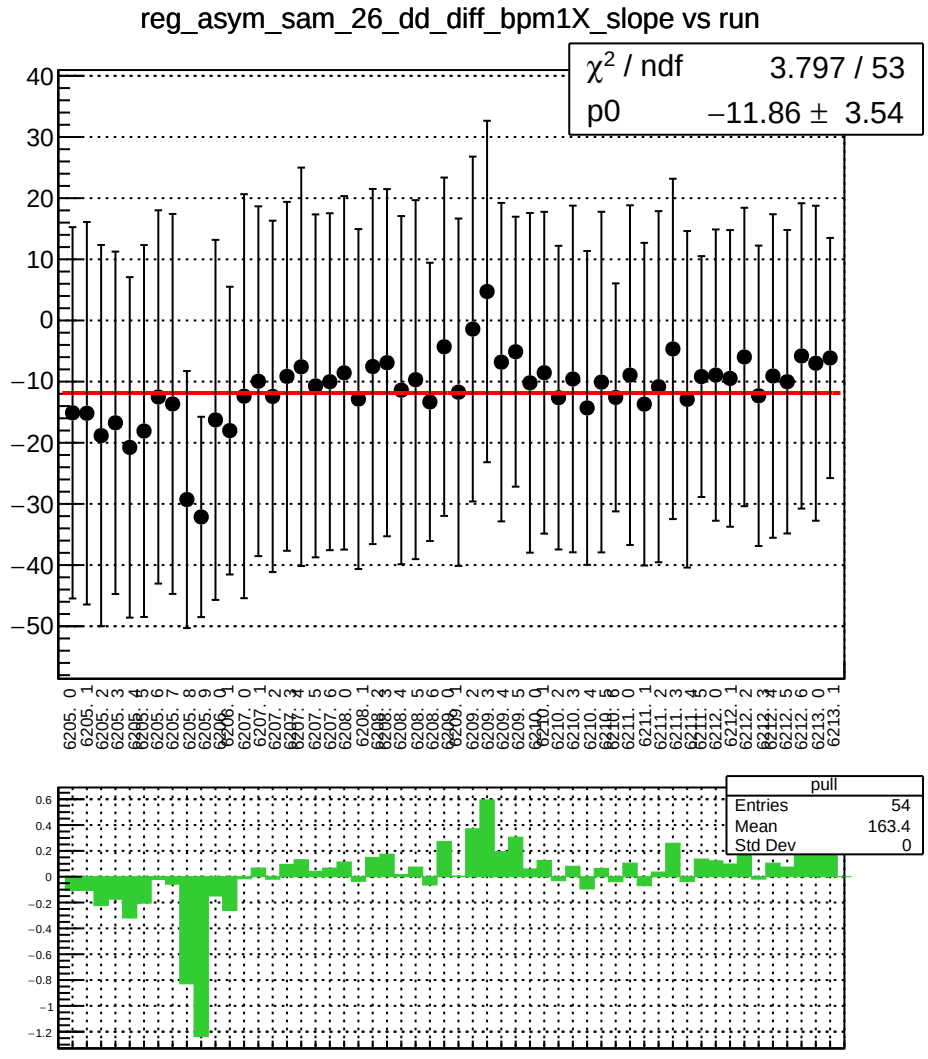

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ² / ndf 14.67 / 53
p0 −80.55 ± 1.877
pull
Entries 54
Mean 150.7
Std Dev 0

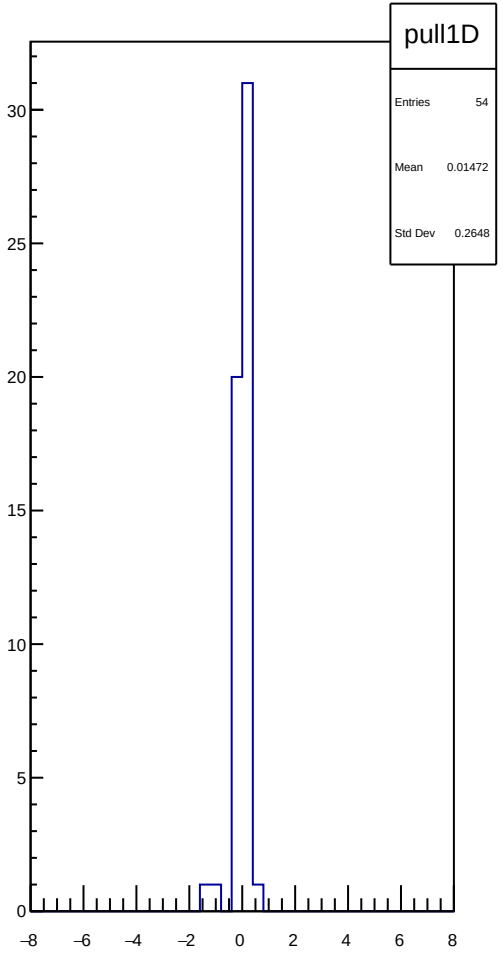

pull1D
Entries 54
Mean −0.02977
Std Dev 0.5204

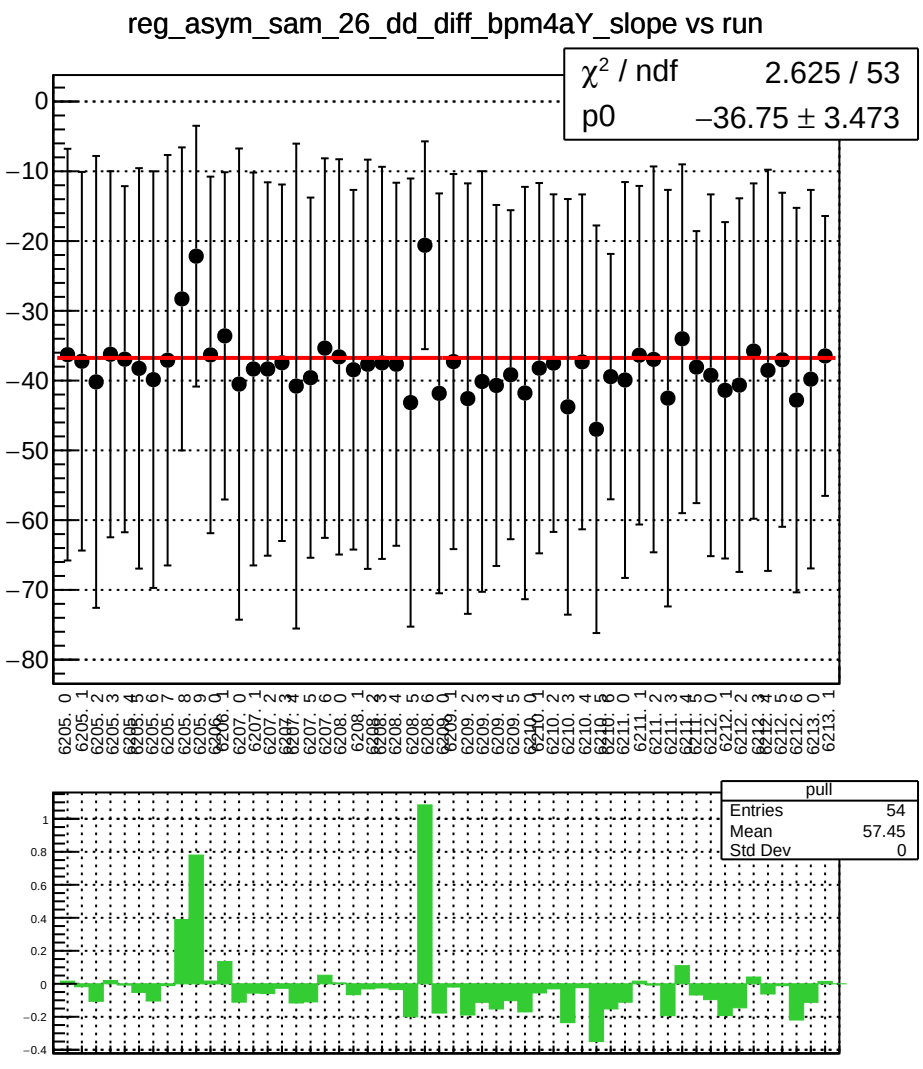

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 10.87 / 53
p0 −45.78 ± 1.875
pull
Entries 54
Mean 75
Std Dev 0

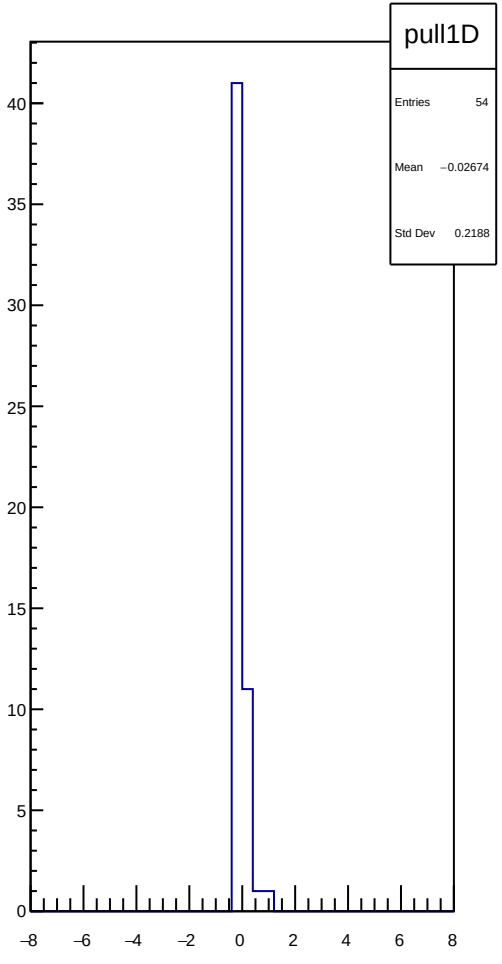

pull1D
Entries 54
Mean 0.03449
Std Dev 0.4473

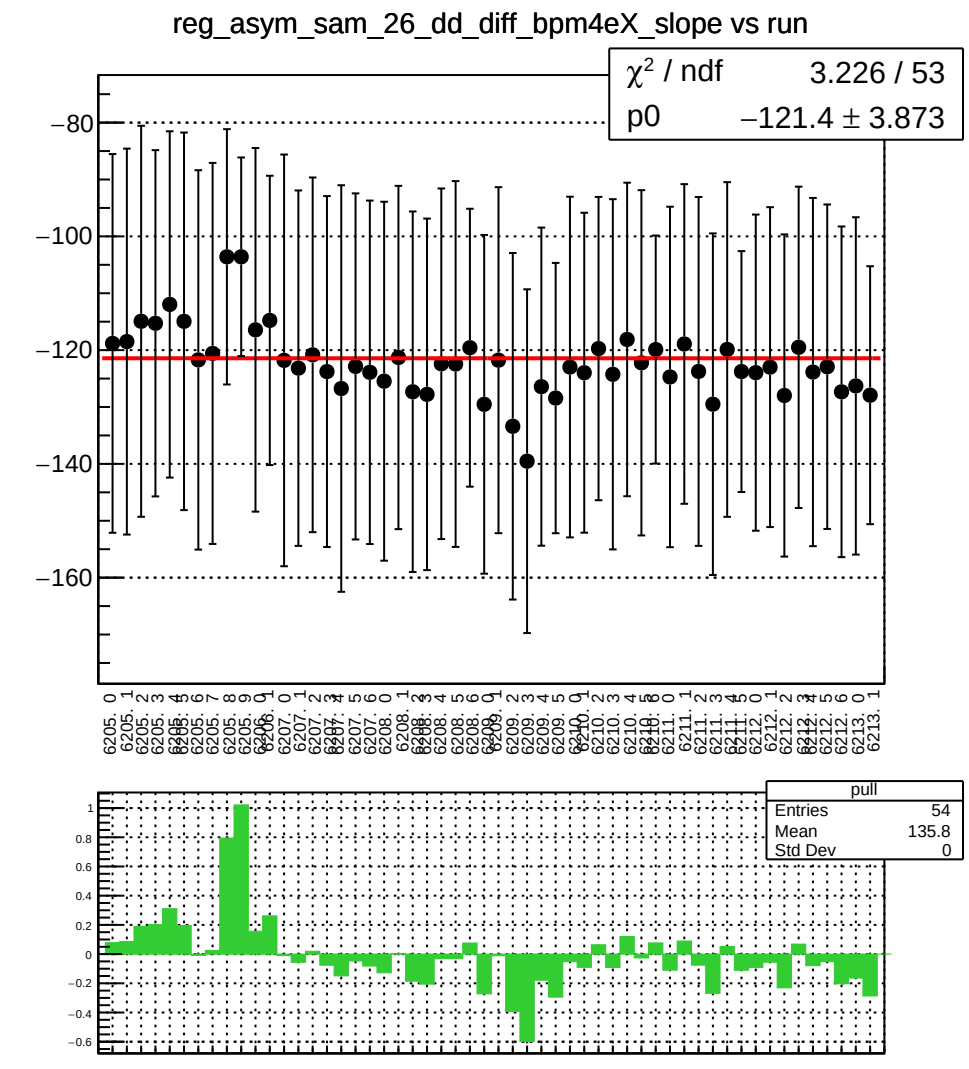

reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ² / ndf 7.313 / 53
p0 0.3041± 0.1545
pull
Entries 54
Mean 1633
Std Dev 0
pull1D
Entries 54
Mean 0.001756
Std Dev 0.368

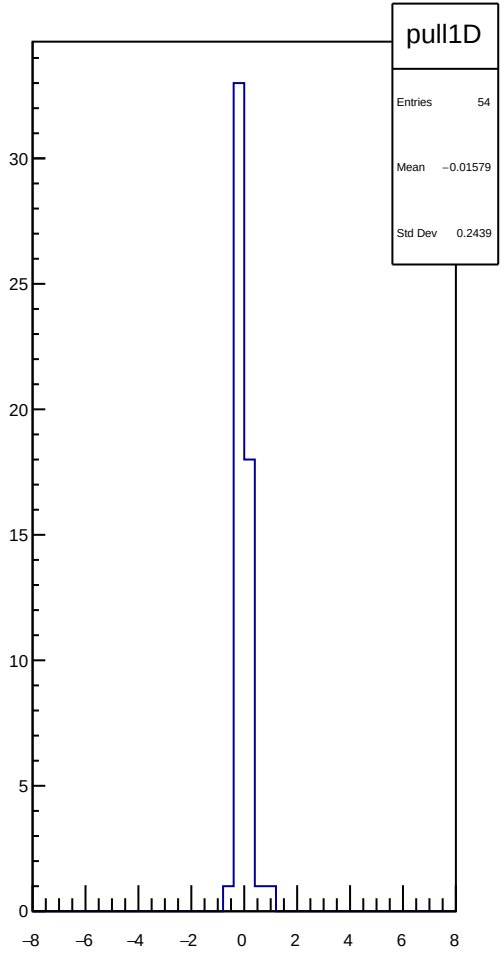

reg_asym_sam_26_dd_diff_bpm1X_slope vs run
χ² / ndf 3.797 / 53
p0 −11.86 ± 3.54
pull
Entries 54
Mean 163.4
Std Dev 0

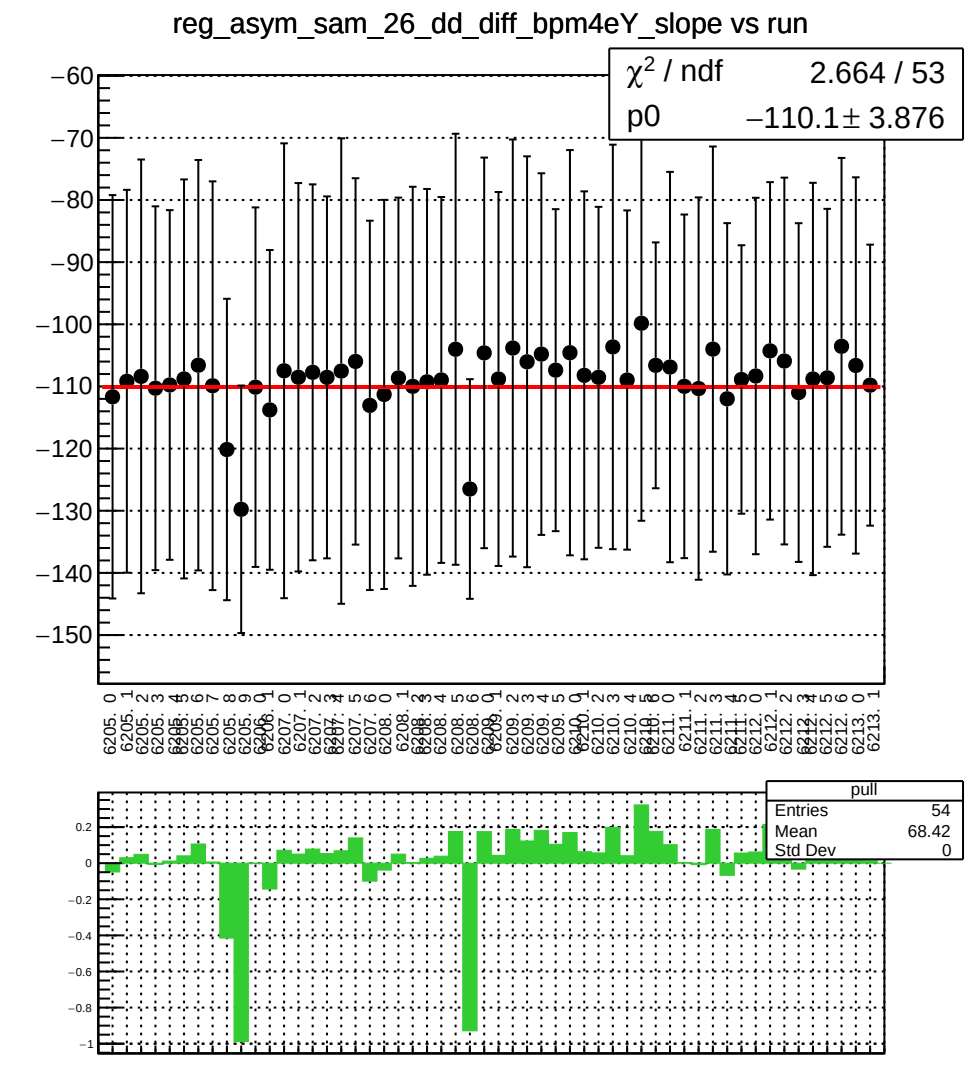

pull1D
Entries 54
Mean 0.01472
Std Dev 0.2648

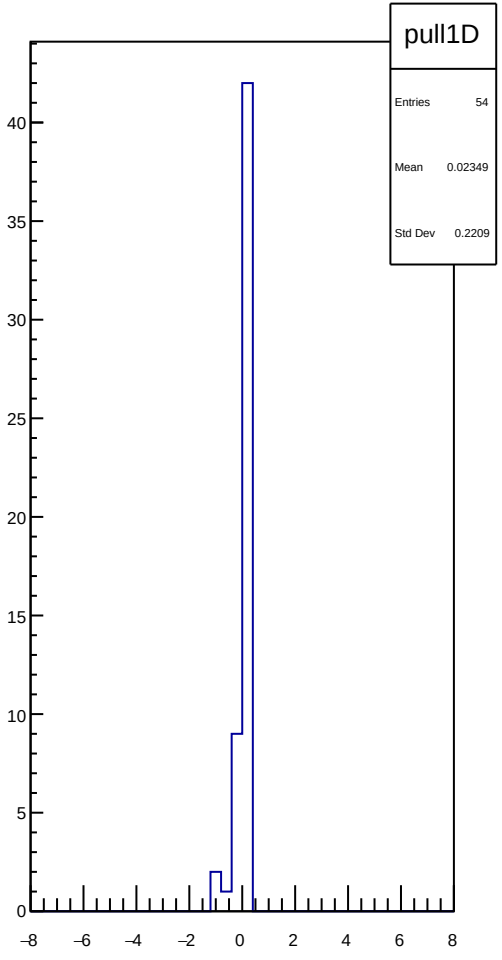

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 2.625 / 53
p0 −36.75 ± 3.473
pull
Entries 54
Mean 57.45
Std Dev 0

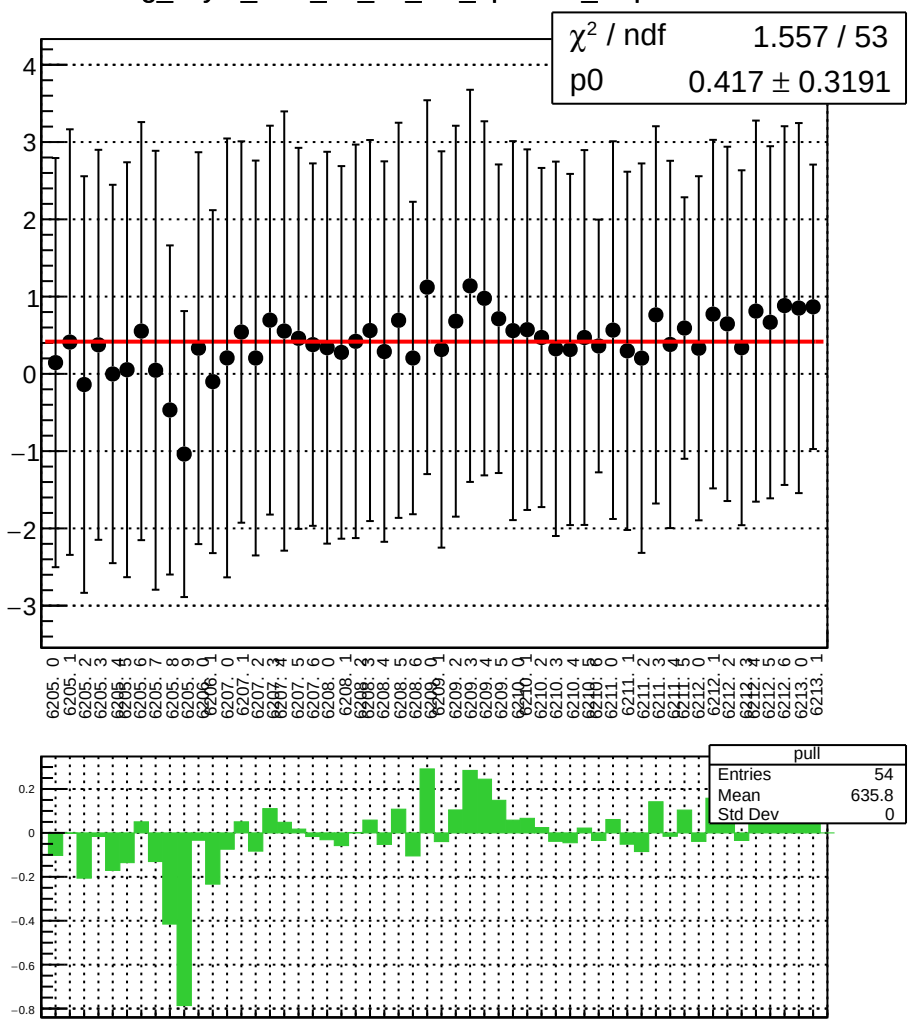

pull1D
Entries 54
Mean −0.02674
Std Dev 0.2188

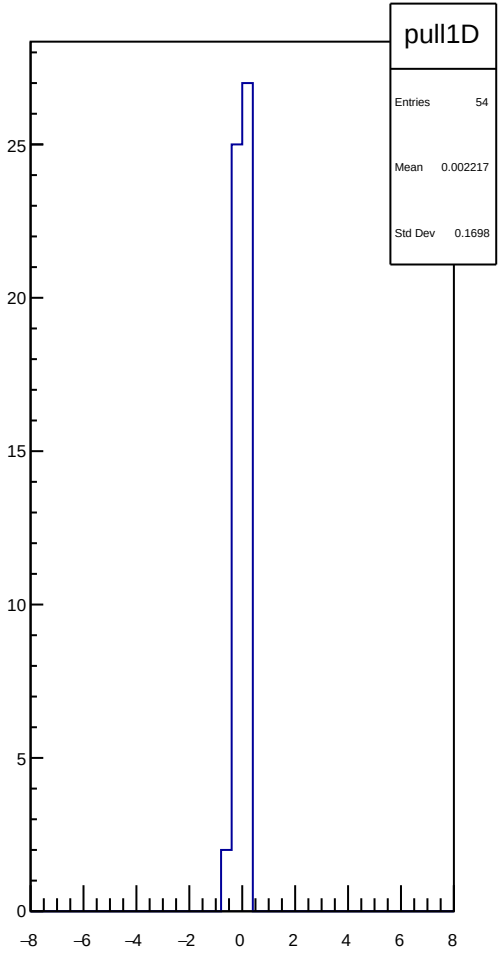

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 3.226 / 53
p0 −121.4 ± 3.873
−80
−100
−120
−140
−160
pull
Entries 54
Mean 135.8
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

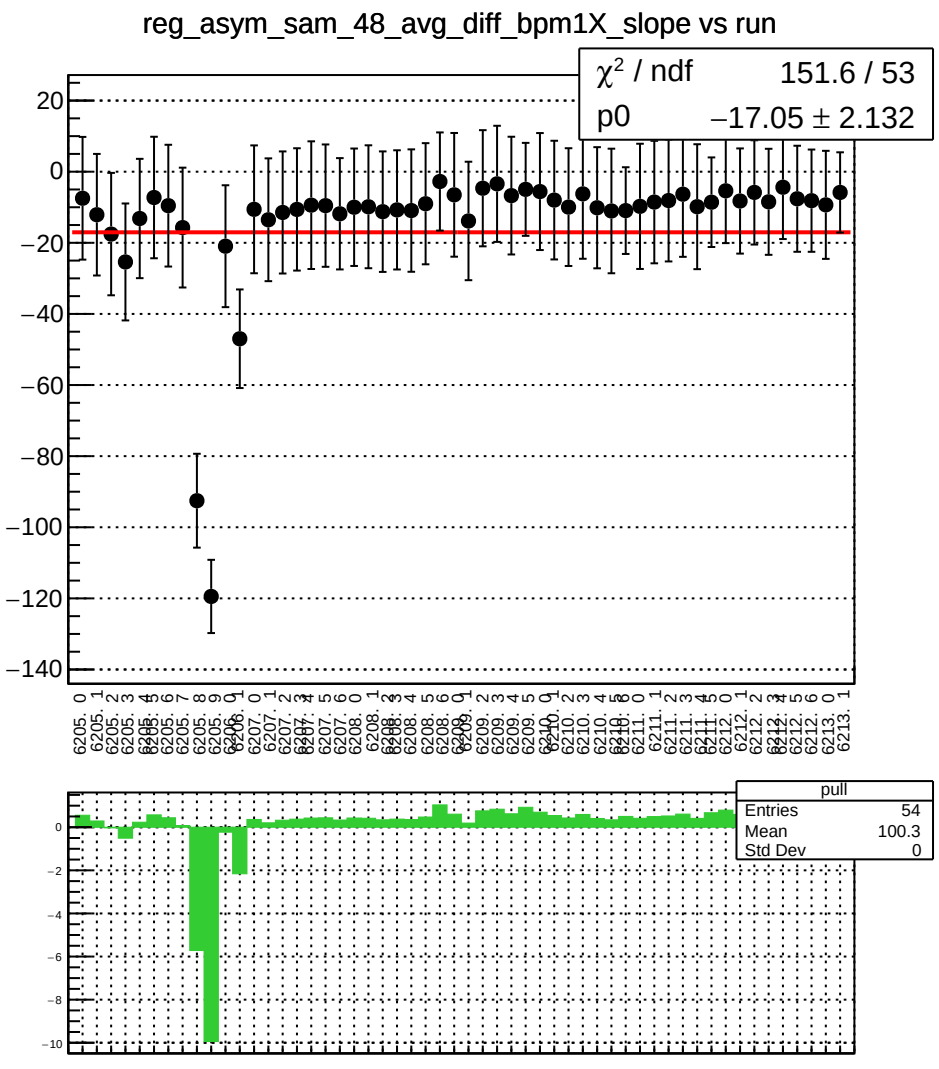

pull1D
Entries 54
Mean −0.01579
Std Dev 0.2439
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

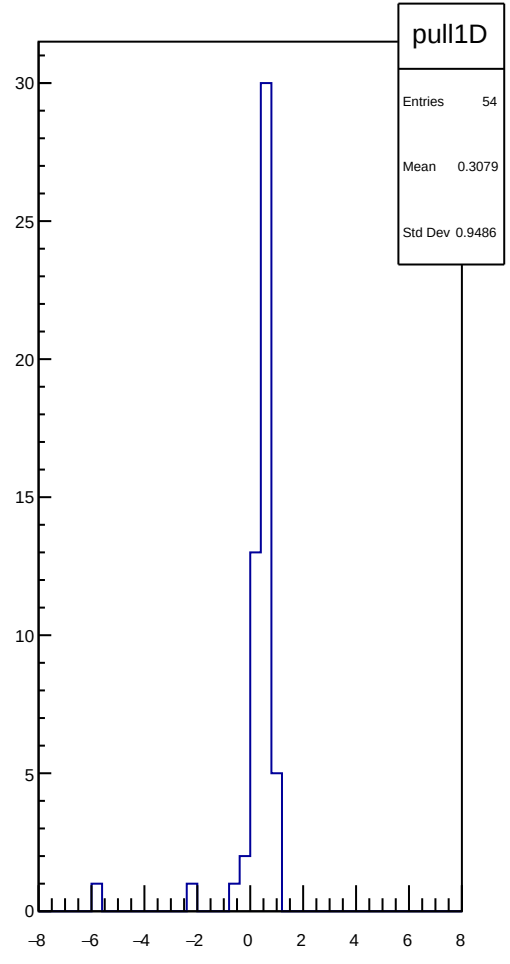

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 2.664 / 53
p0 −110.1± 3.876
pull
Entries 54
Mean 68.42
Std Dev 0

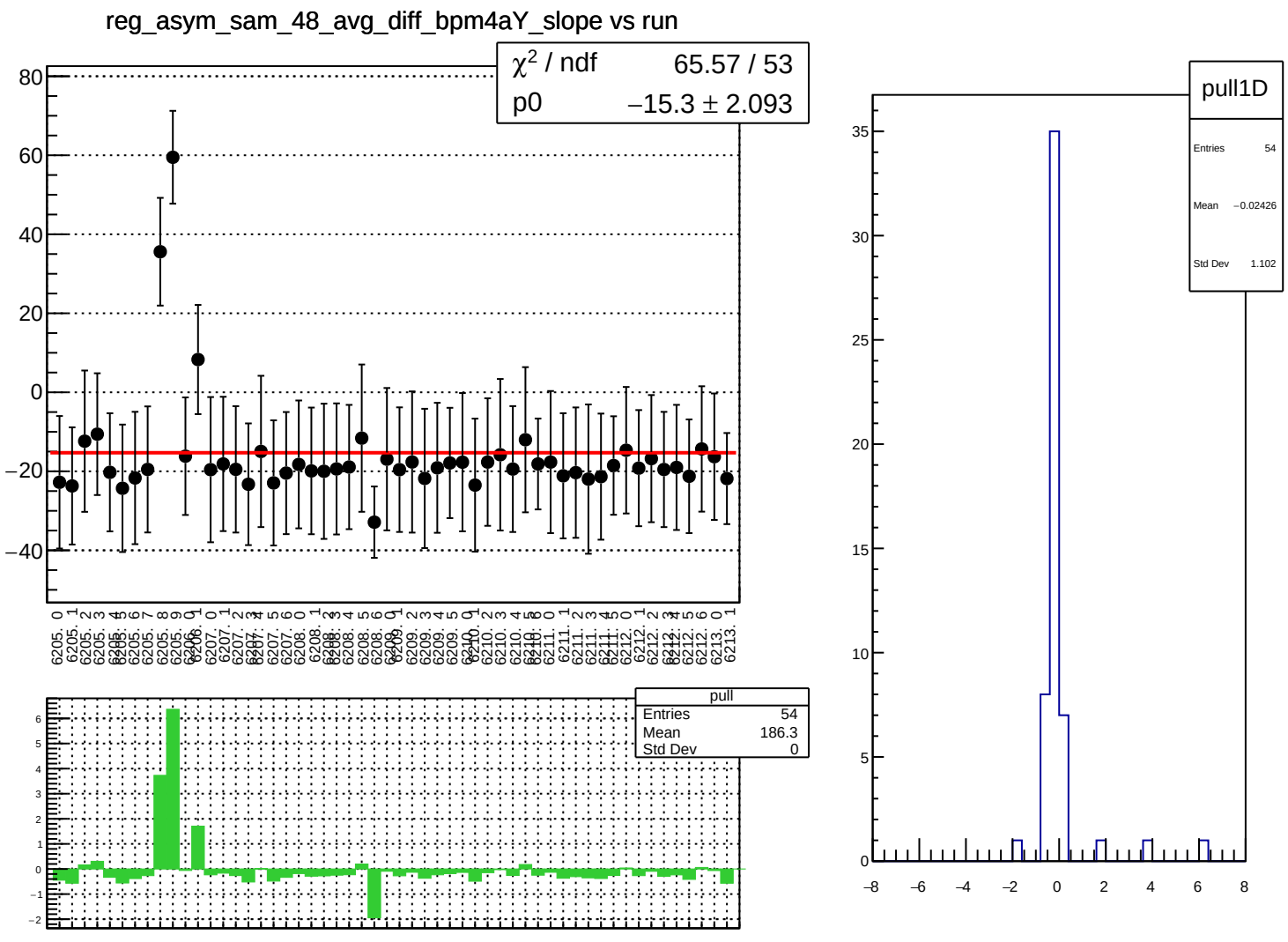

pull1D
Entries 54
Mean 0.02349
Std Dev 0.2209

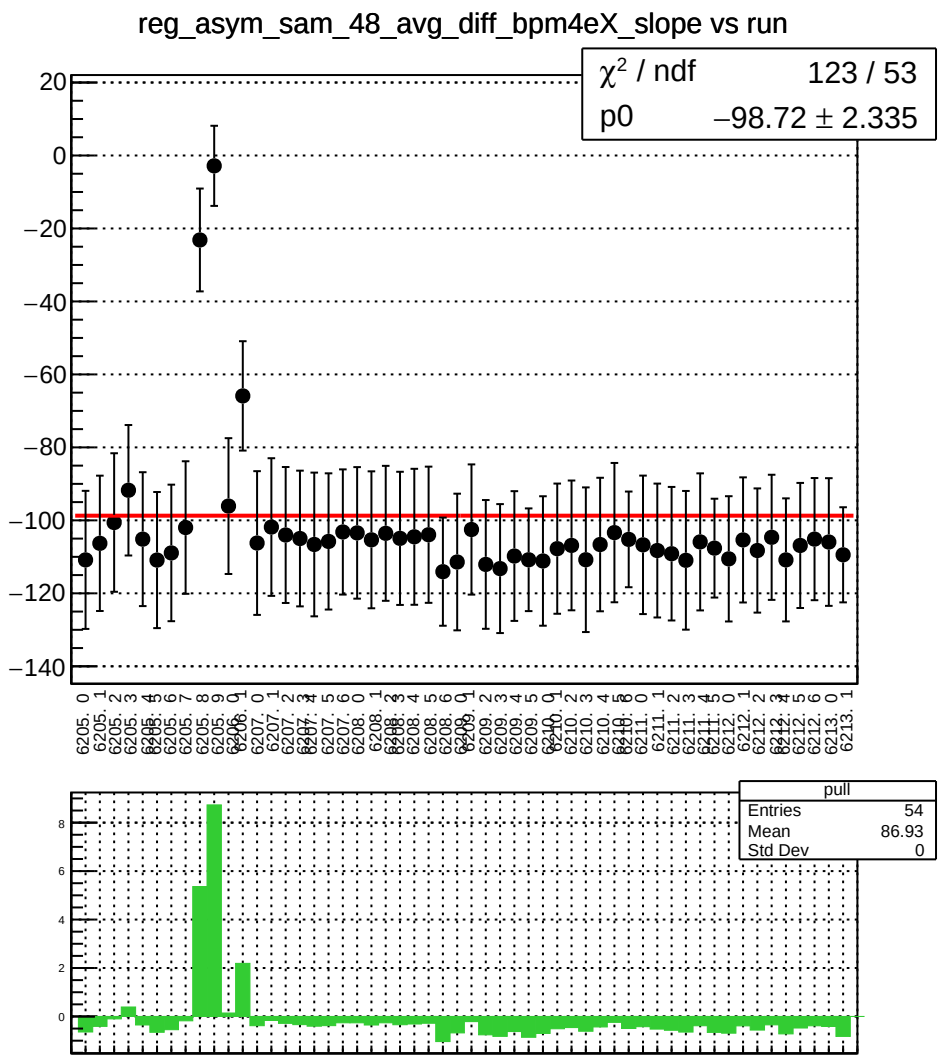

reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ² / ndf 1.557 / 53
p0 0.417 ± 0.3191
pull
Entries 54
Mean 635.8
Std Dev 0

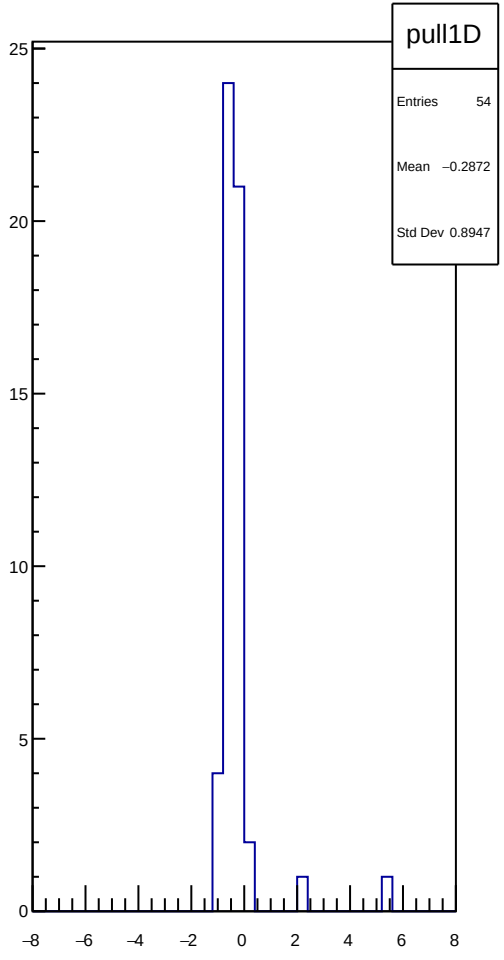

pull1D
Entries 54
Mean 0.002217
Std Dev 0.1698

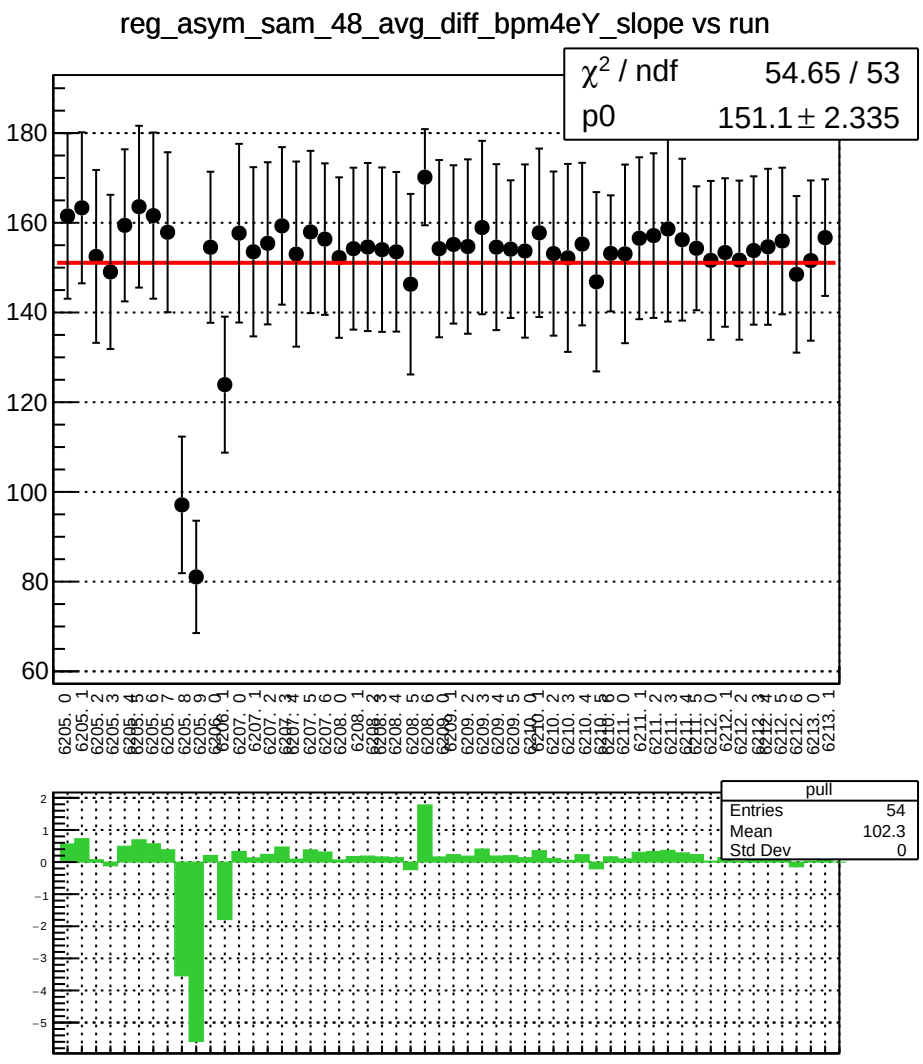

reg_asym_sam_48_avg_diff_bpm1X_slope vs run
χ² / ndf 151.6 / 53
p0 −17.05 ± 2.132
pull
Entries 54
Mean 100.3
Std Dev 0

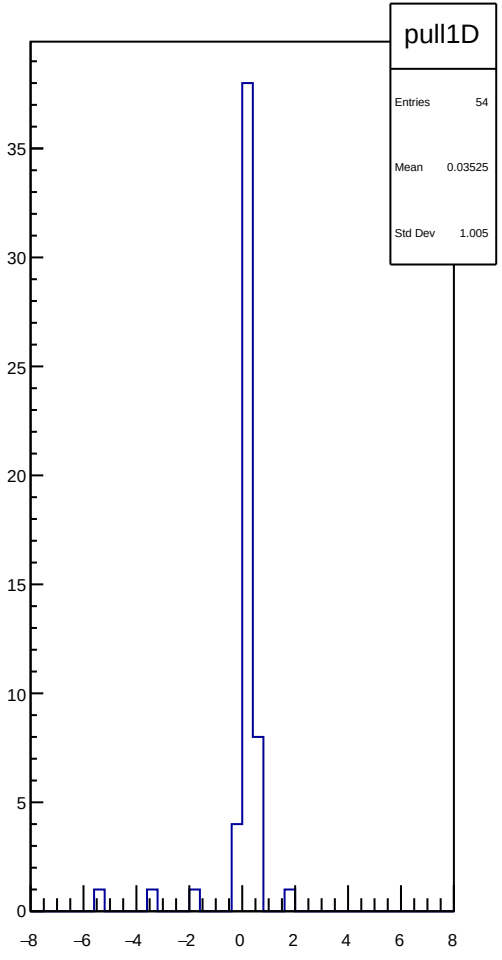

pull1D
Entries 54
Mean 0.3079
Std Dev 0.9486

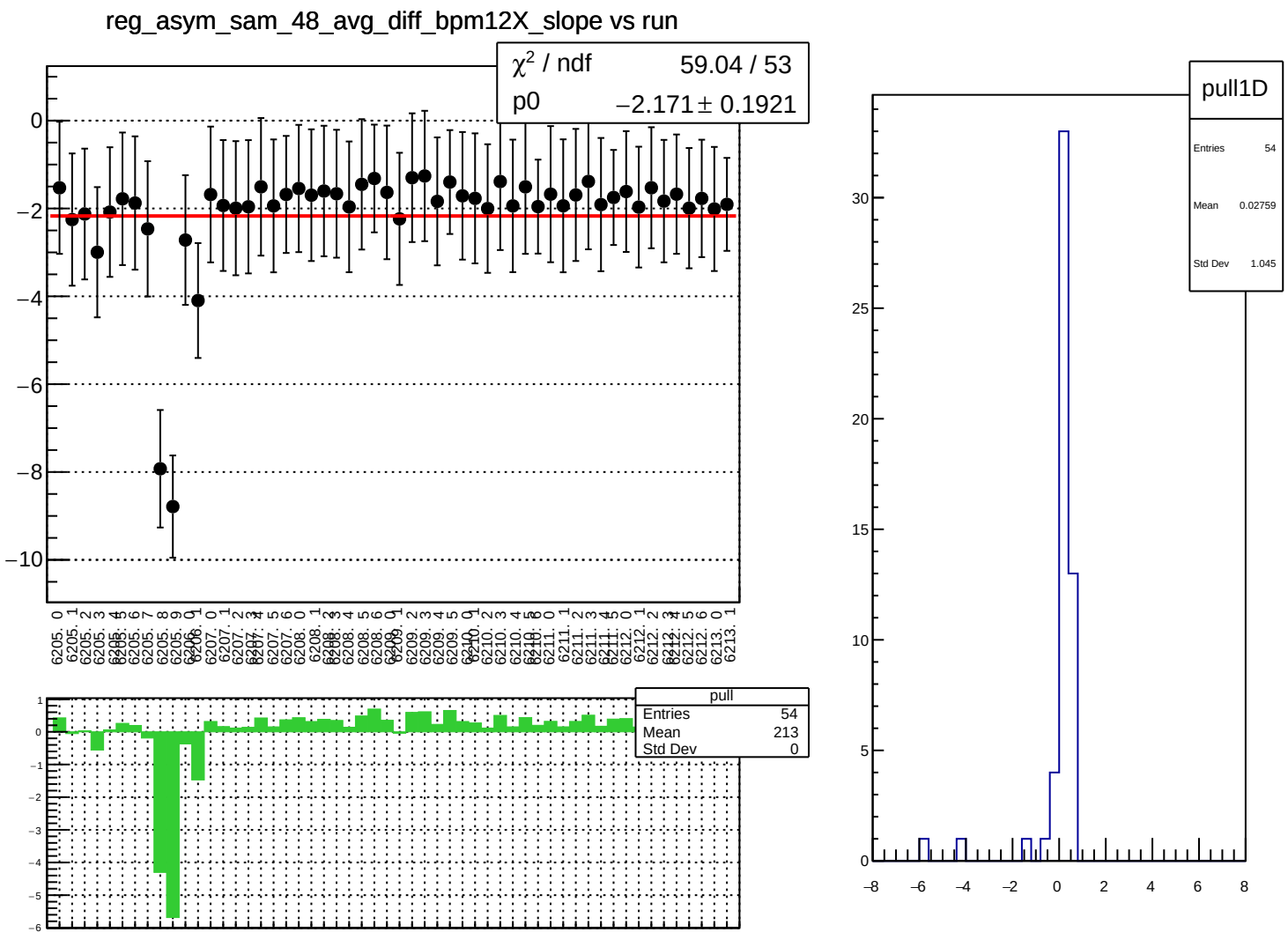

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 65.57 / 53
p0 −15.3 ± 2.093
pull
Entries 54
Mean 186.3
Std Dev 0
pull1D
Entries 54
Mean −0.02426
Std Dev 1.102

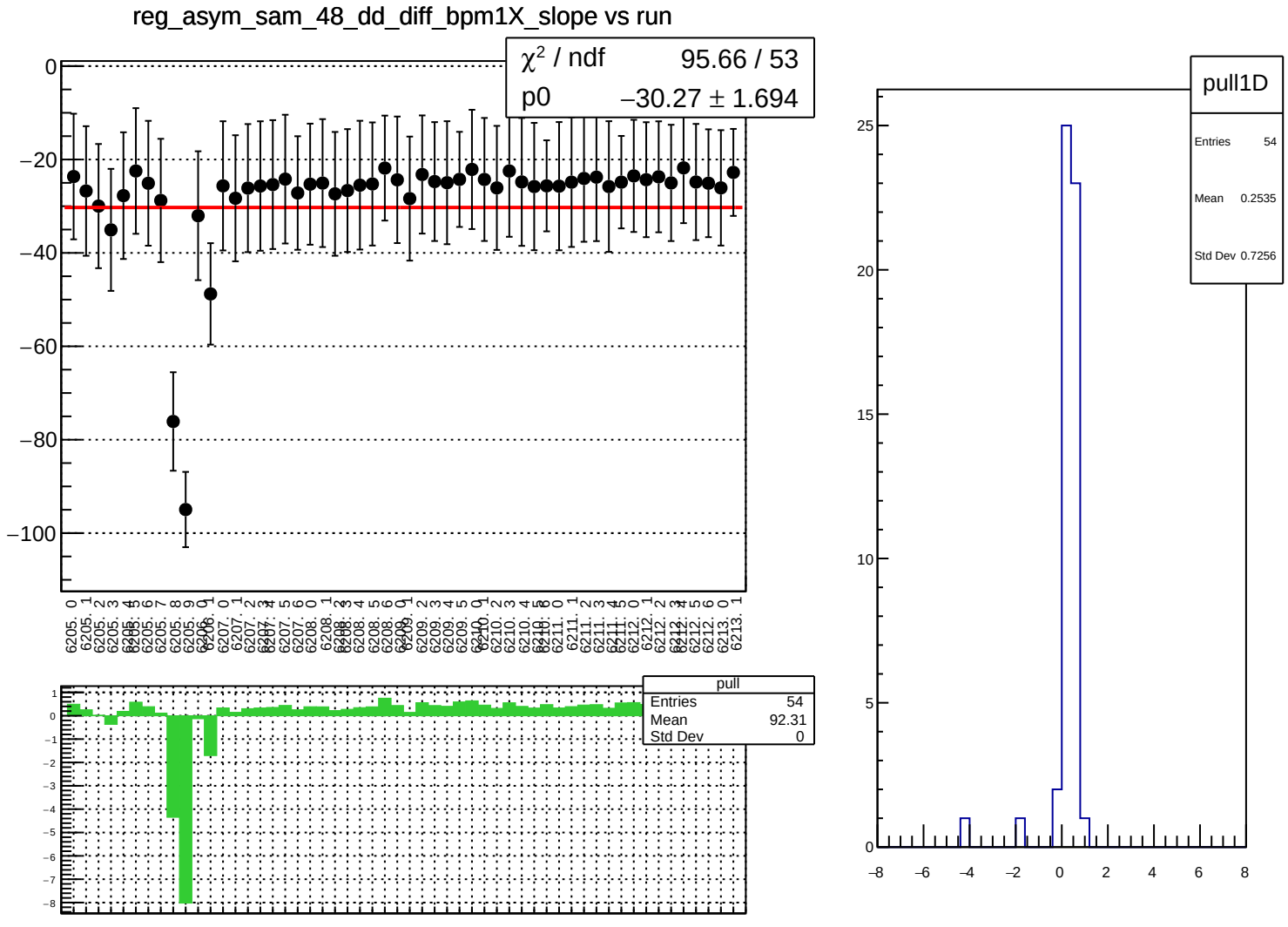

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 123 / 53
p0 −98.72 ± 2.335
pull
Entries 54
Mean 86.93
Std Dev 0

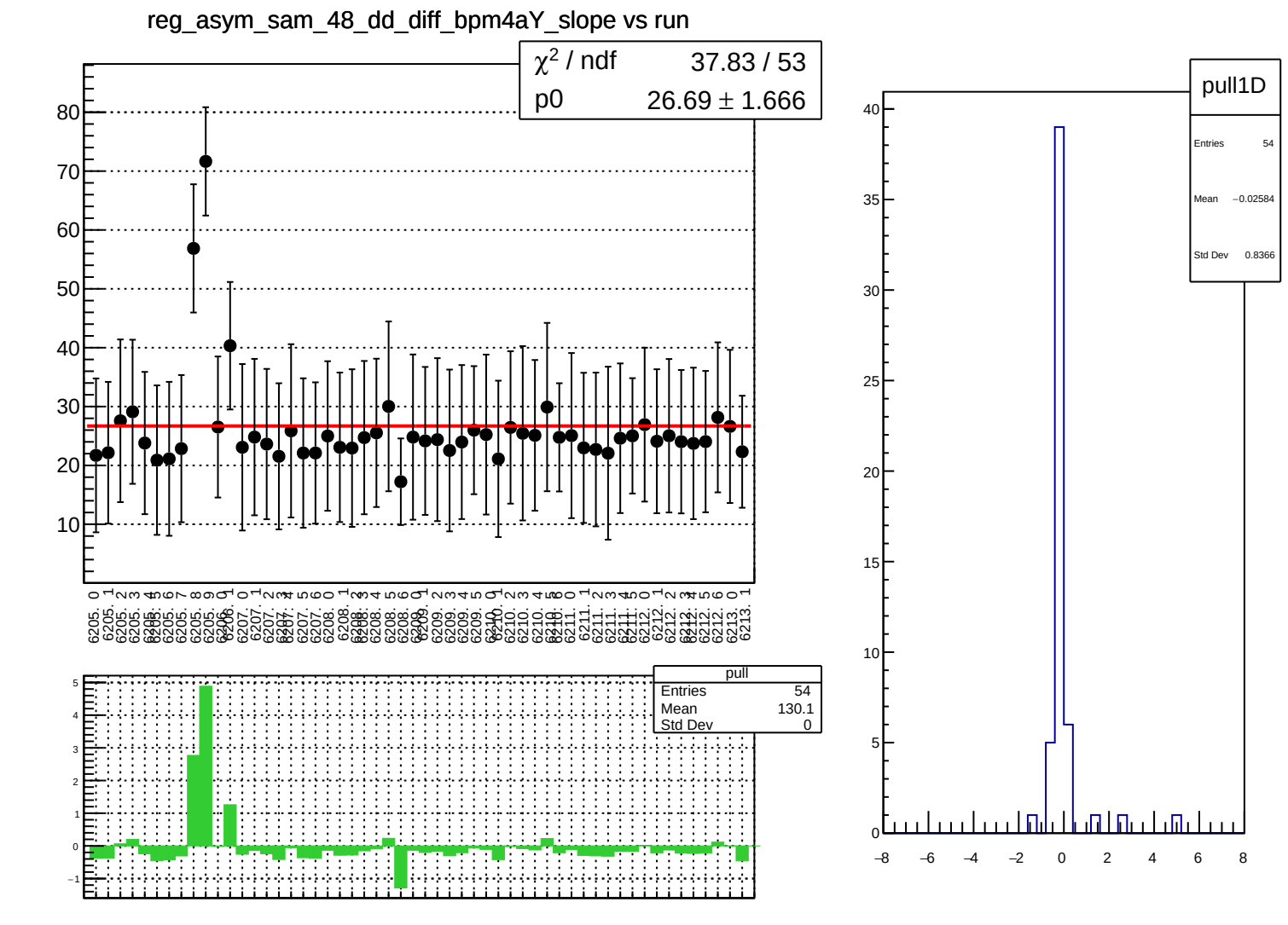

pull1D
Entries 54
Mean −0.2872
Std Dev 0.8947

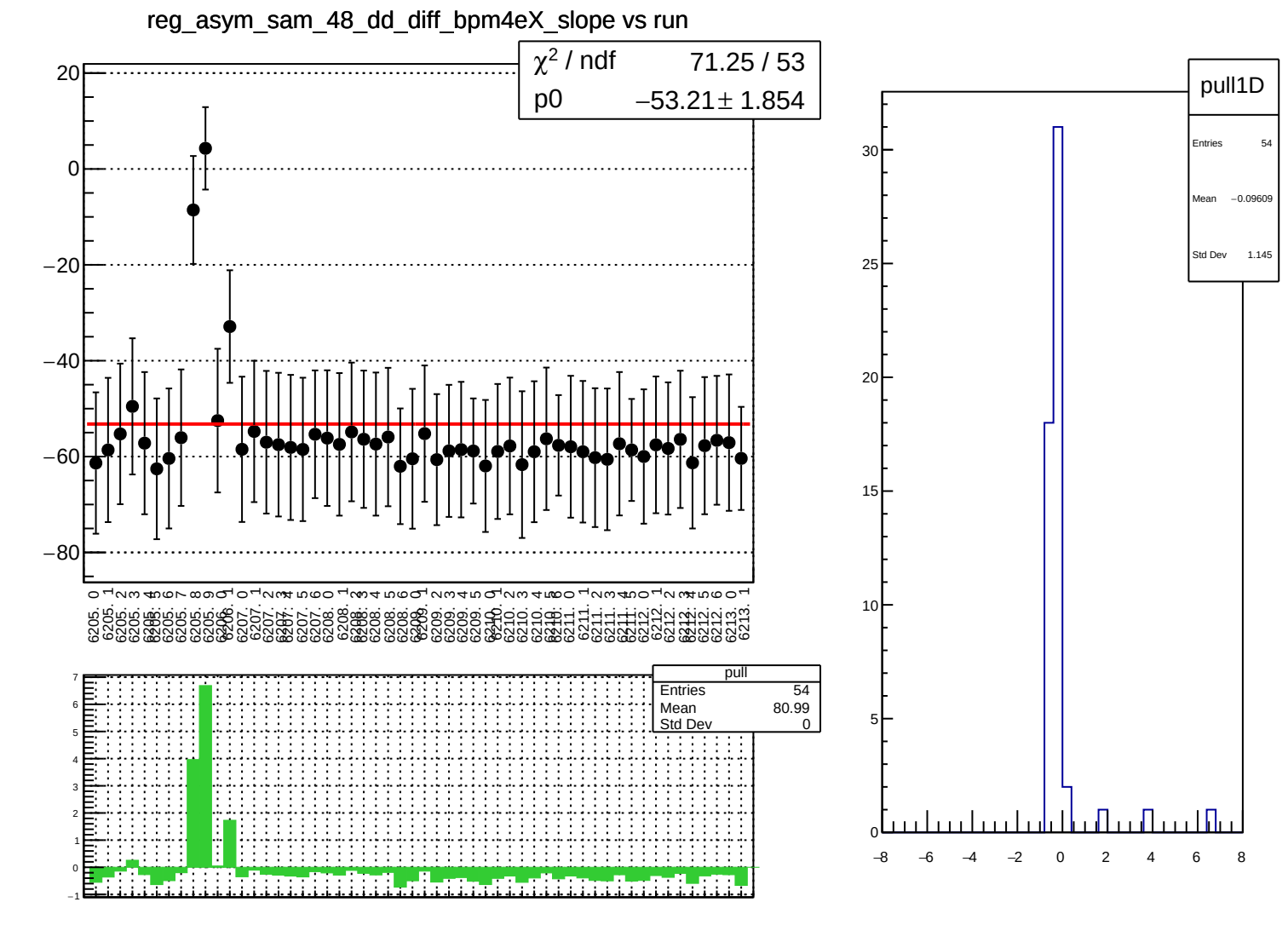

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ² / ndf 54.65 / 53
p0 151.1 ± 2.335
pull
Entries 54
Mean 102.3
Std Dev 0

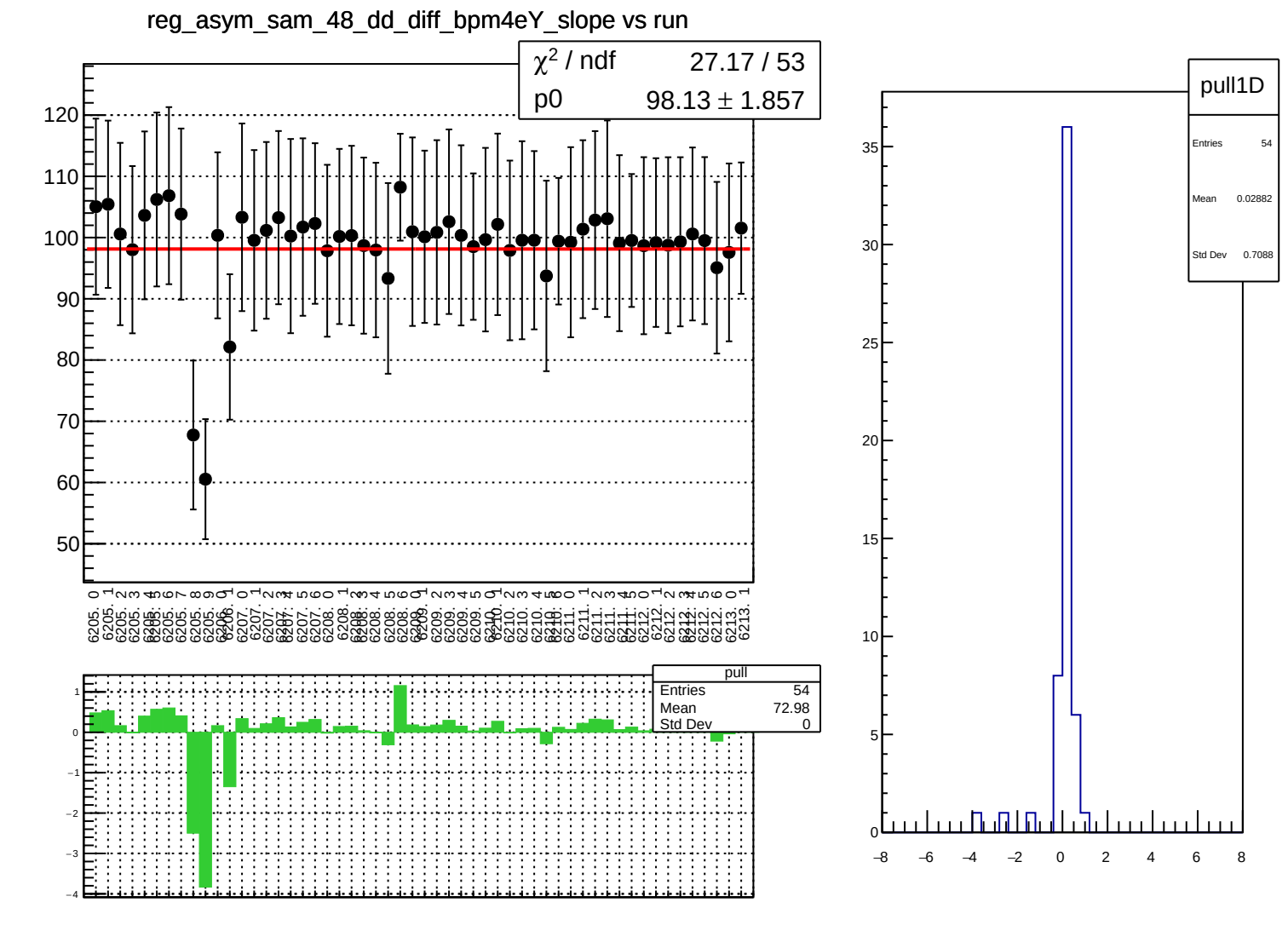

pull1D
Entries 54
Mean 0.03525
Std Dev 1.005

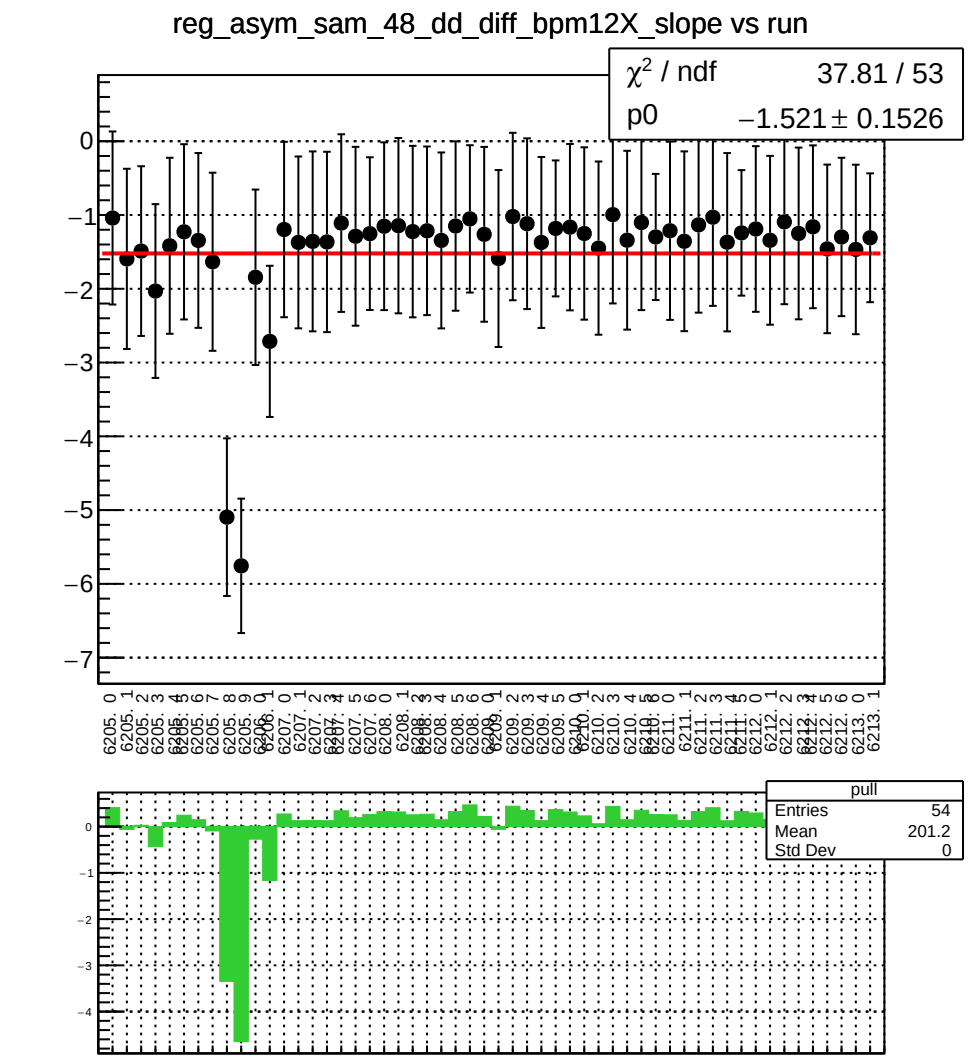

reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ² / ndf 59.04 / 53
p0 −2.171 ± 0.1921
pull
Entries 54
Mean 213
Std Dev 0
pull1D
Entries 54
Mean 0.02759
Std Dev 1.045

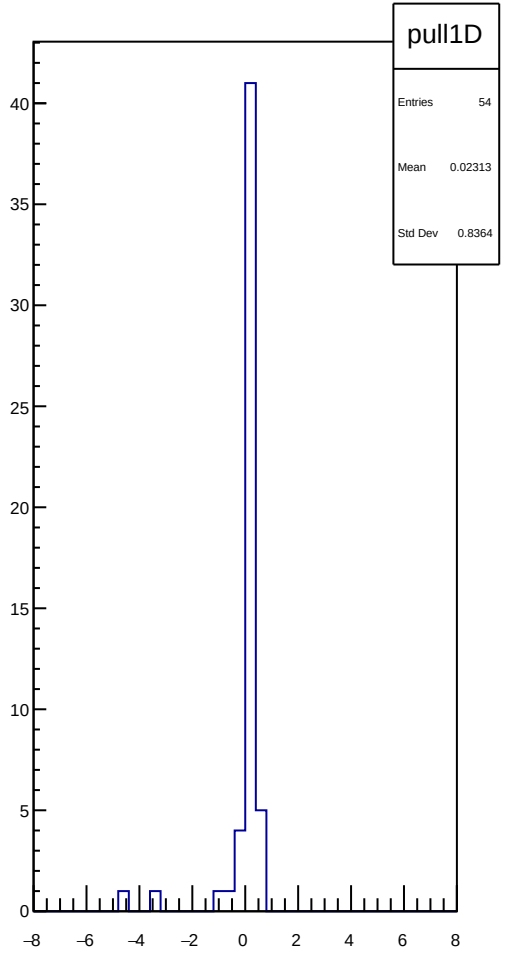

reg_asym_sam_48_dd_diff_bpm1X_slope vs run
χ² / ndf 95.66 / 53
p0 −30.27 ± 1.694
pull
Entries 54
Mean 92.31
Std Dev 0
pull1D
Entries 54
Mean 0.2535
Std Dev 0.7256

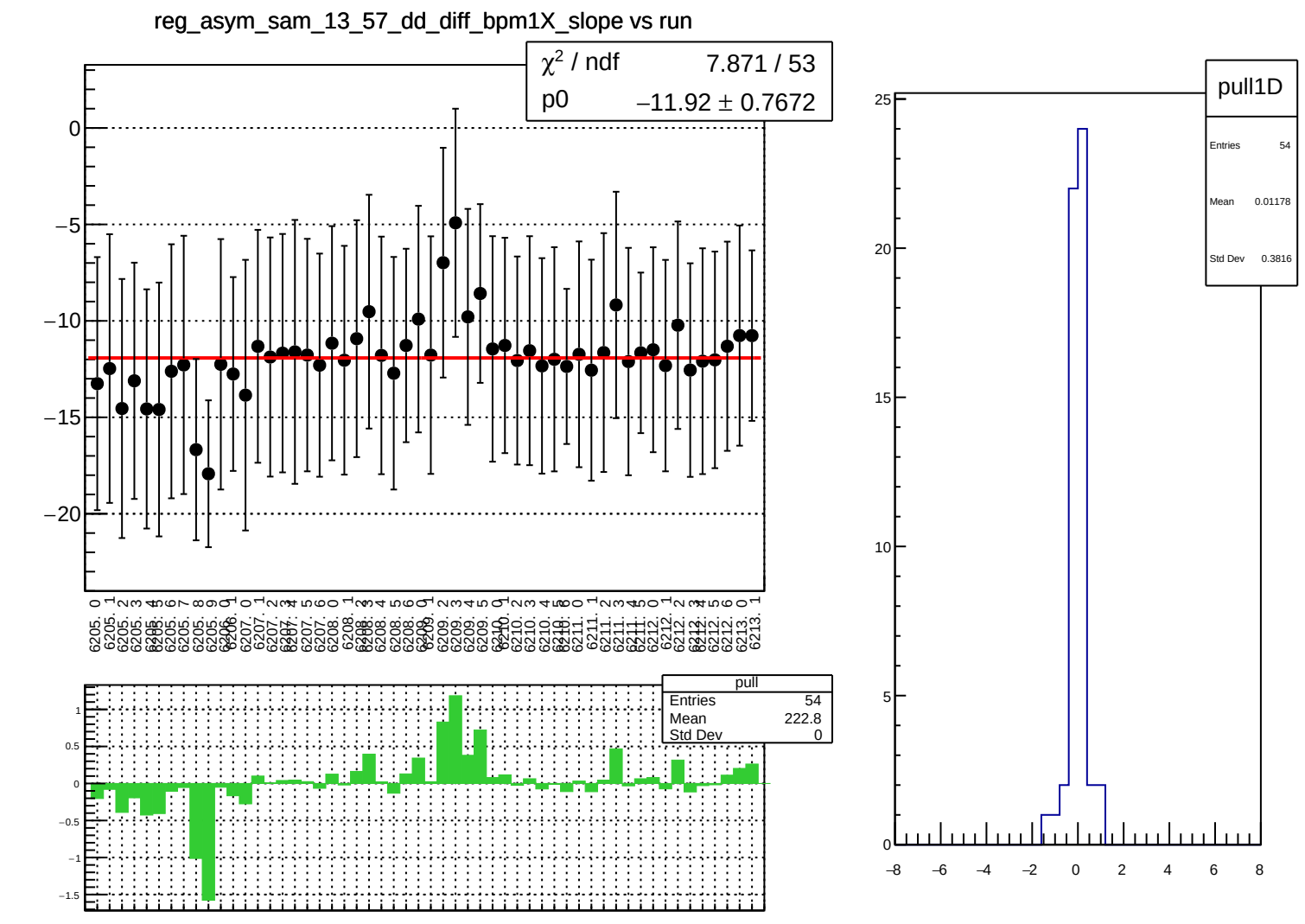

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 37.83 / 53
p0 26.69 ± 1.666
pull
Entries 54
Mean 130.1
Std Dev 0
pull1D
Entries 54
Mean −0.02584
Std Dev 0.8366

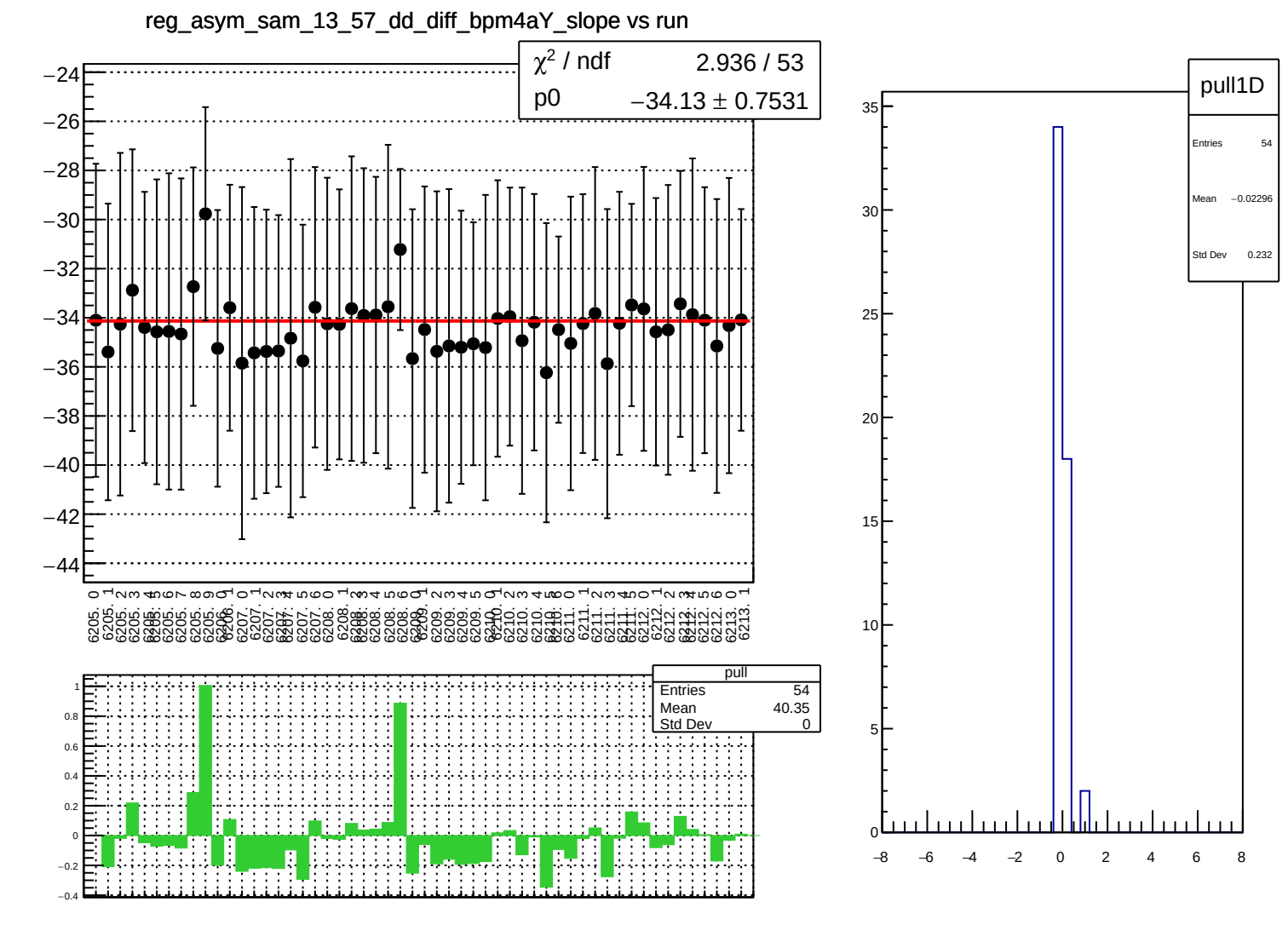

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 71.25 / 53
p0 −53.21 ± 1.854
pull
Entries 54
Mean 80.99
Std Dev 0
pull1D
Entries 54
Mean −0.09609
Std Dev 1.145

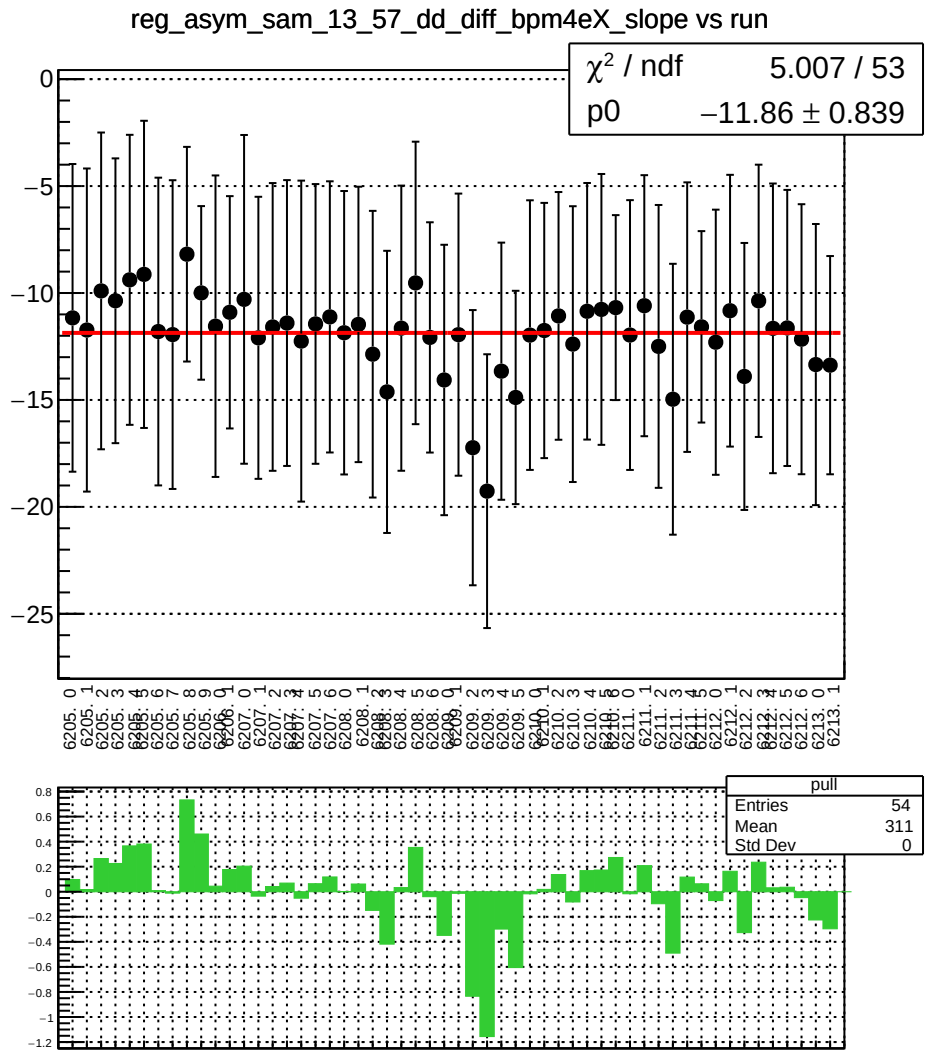

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 27.17 / 53
p0 98.13 ± 1.857
pull
Entries 54
Mean 72.98
Std Dev 0
pull1D
Entries 54
Mean 0.02882
Std Dev 0.7088

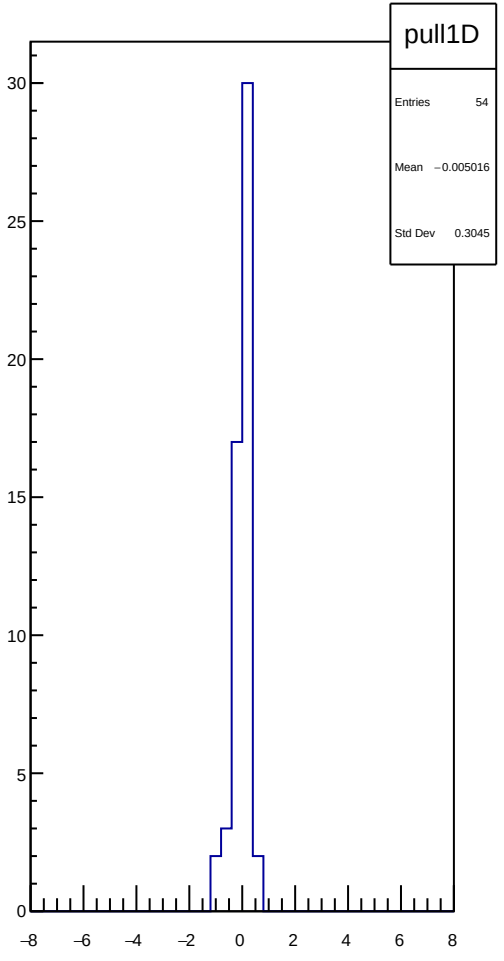

reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ² / ndf 37.81 / 53
p0 −1.521 ± 0.1526
pull
Entries 54
Mean 201.2
Std Dev 0

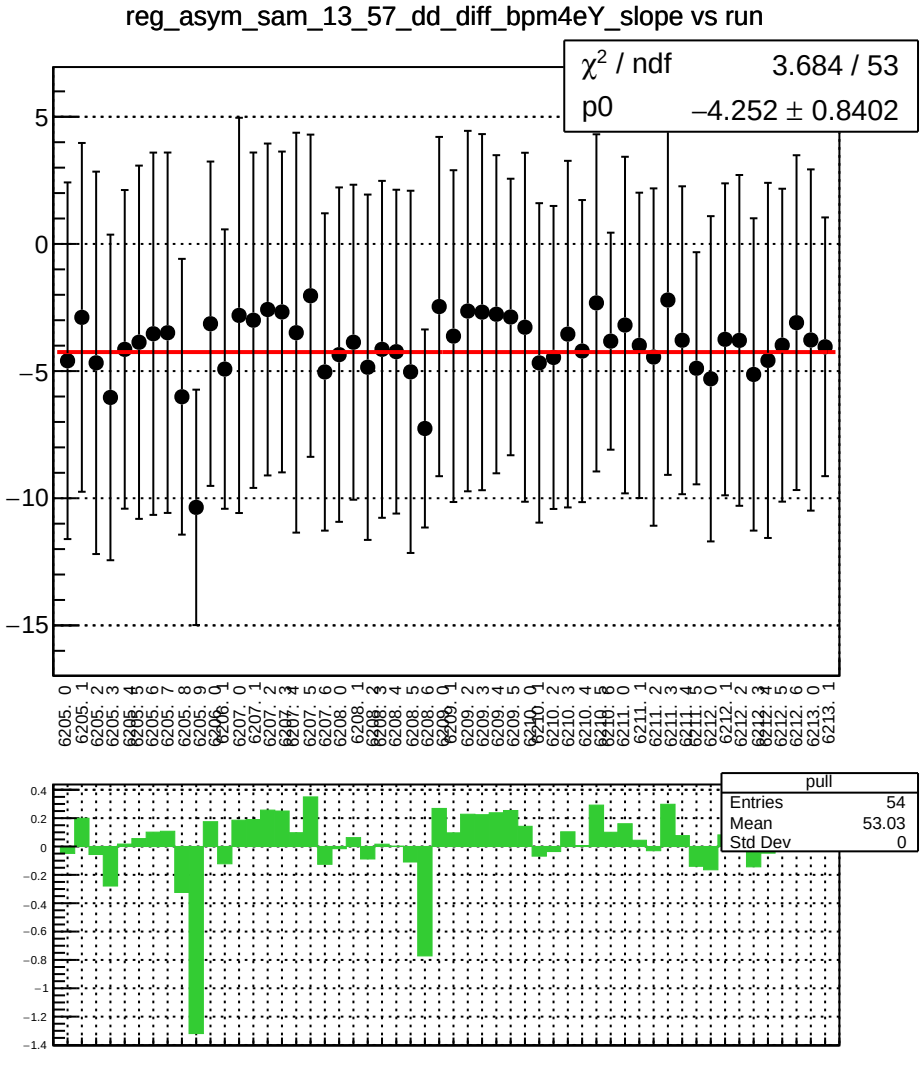

pull1D
Entries 54
Mean 0.02313
Std Dev 0.8364

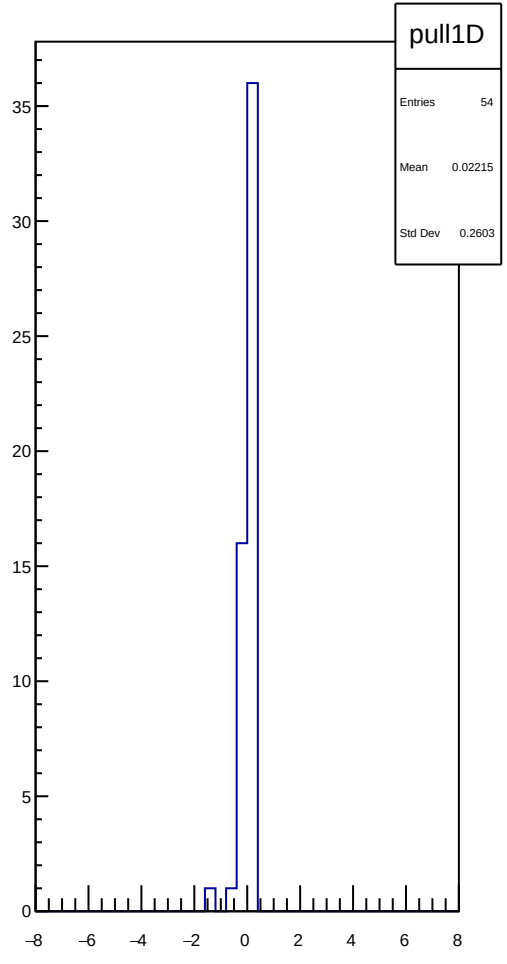

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs run
χ² / ndf 7.871 / 53
p0 −11.92 ± 0.7672
pull
Entries 54
Mean 222.8
Std Dev 0
pull1D
Entries 54
Mean 0.01178
Std Dev 0.3816

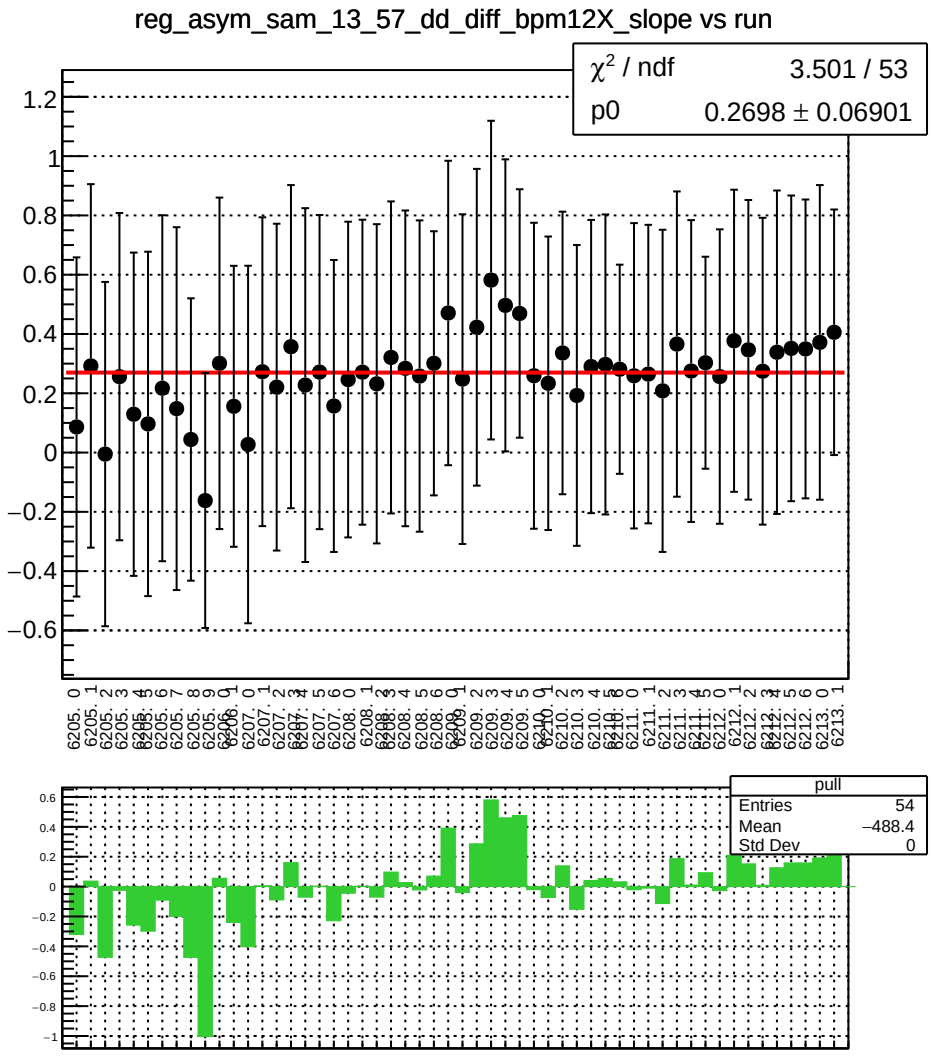

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ² / ndf 2.936 / 53
p0 −34.13 ± 0.7531
pull
Entries 54
Mean 40.35
Std Dev 0
pull1D
Entries 54
Mean −0.02296
Std Dev 0.232

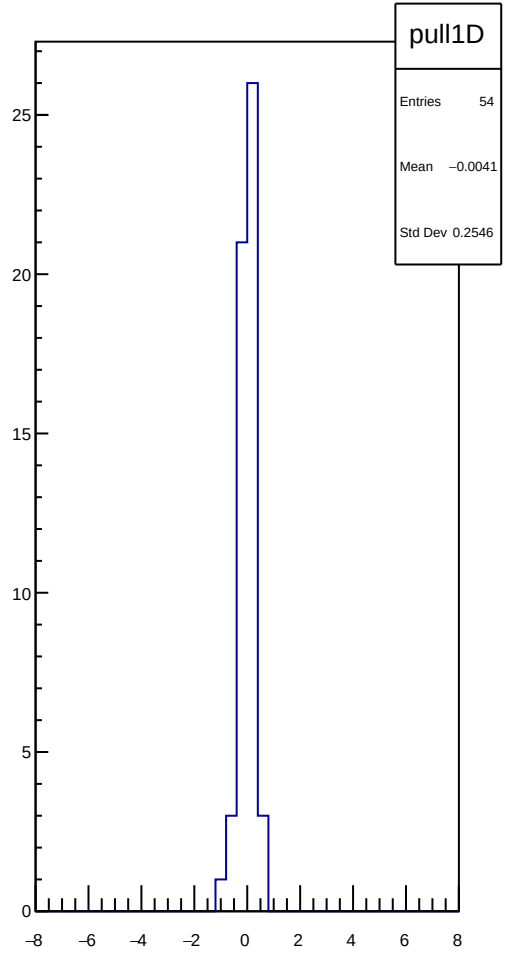

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ² / ndf 5.007 / 53
p0 −11.86 ± 0.839
pull
Entries 54
Mean 311
Std Dev 0

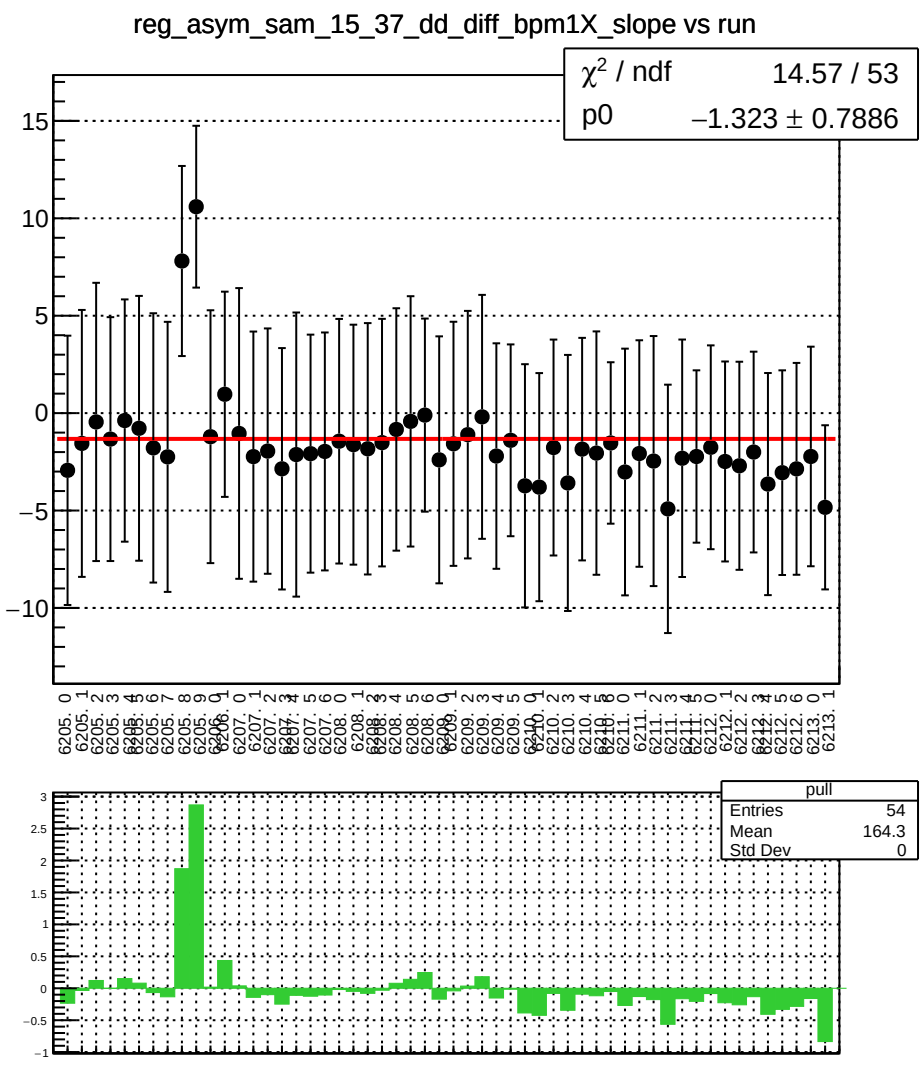

pull1D
Entries 54
Mean −0.005016
Std Dev 0.3045

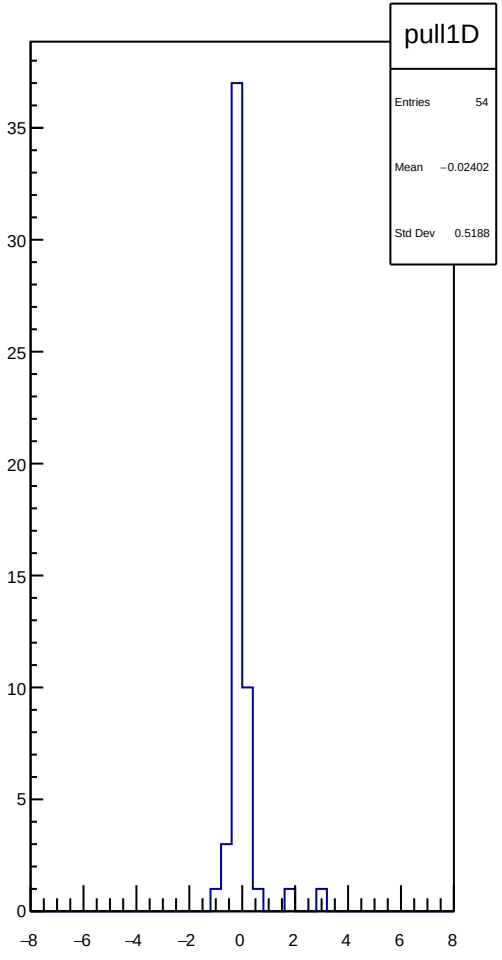

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ² / ndf 3.684 / 53
p0 −4.252 ± 0.8402
pull
Entries 54
Mean 53.03
Std Dev 0

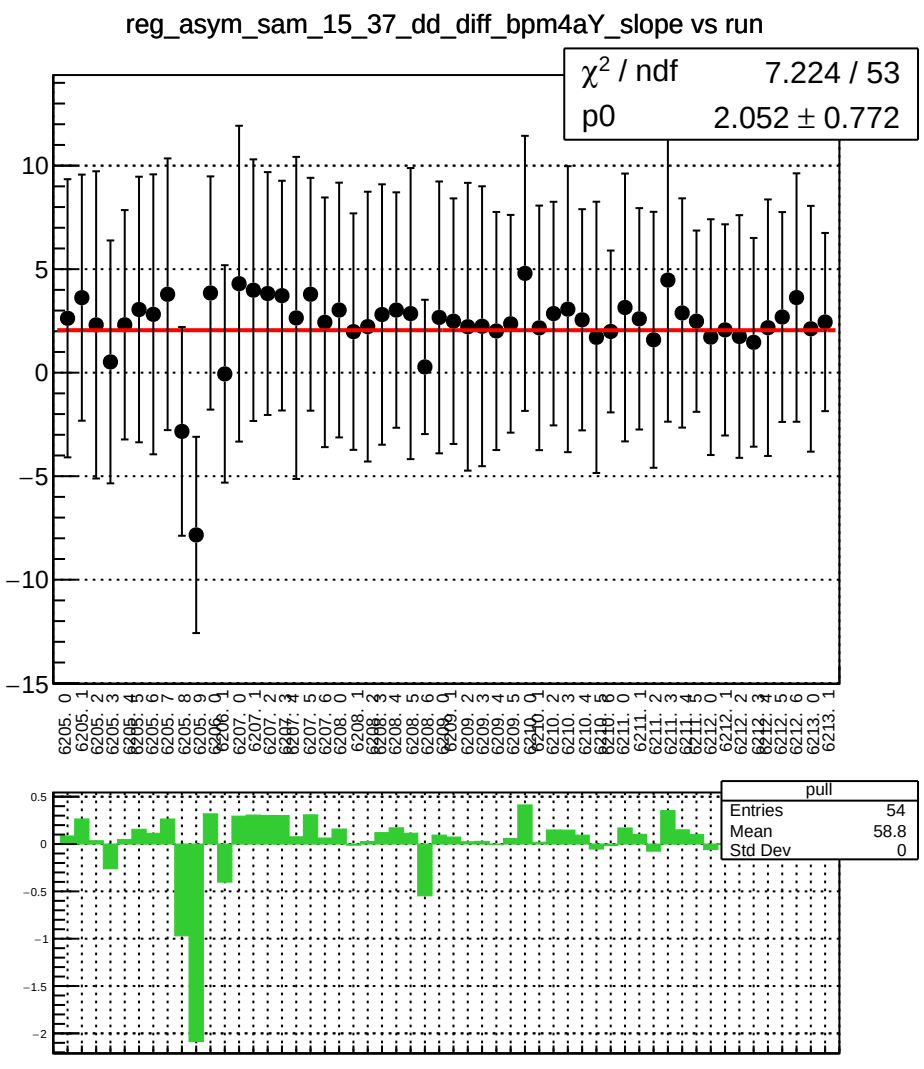

pull1D
Entries 54
Mean 0.02215
Std Dev 0.2603

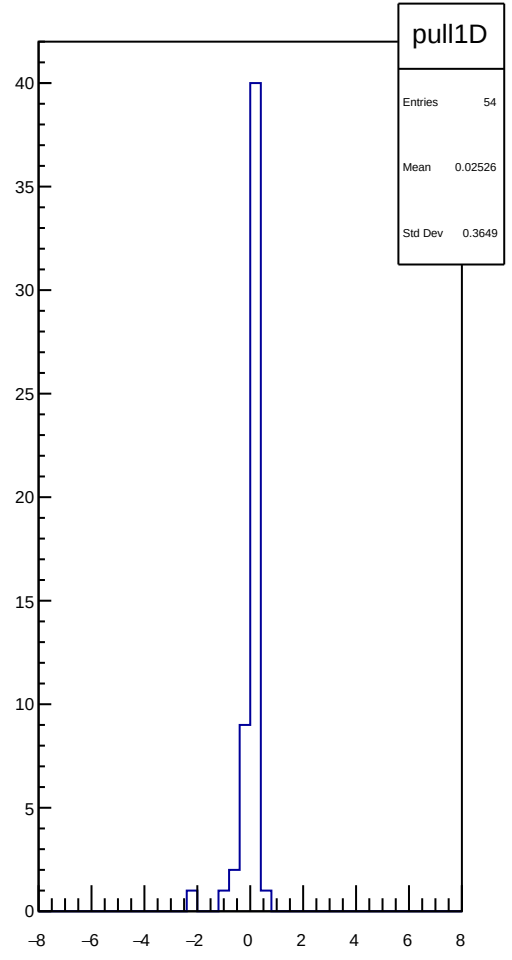

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ² / ndf 3.501 / 53
p0 0.2698 ± 0.06901
pull
Entries 54
Mean −488.4
Std Dev 0

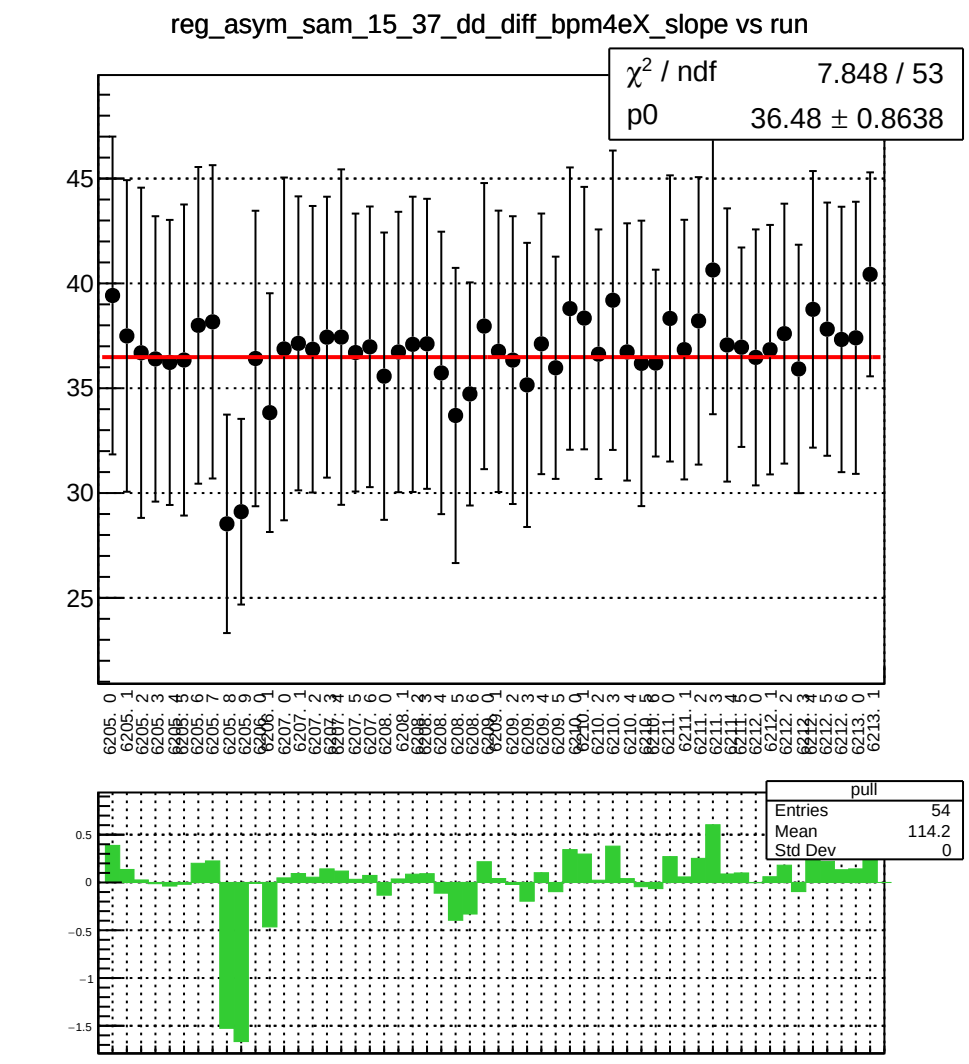

pull1D
Entries 54
Mean −0.0041
Std Dev 0.2546

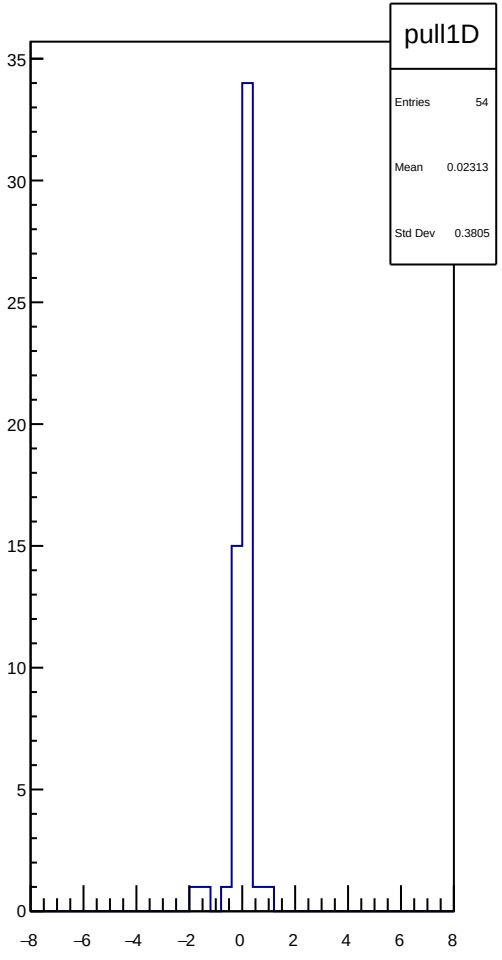

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs run
χ² / ndf 14.57 / 53
p0 −1.323 ± 0.7886
pull
Entries 54
Mean 164.3
Std Dev 0

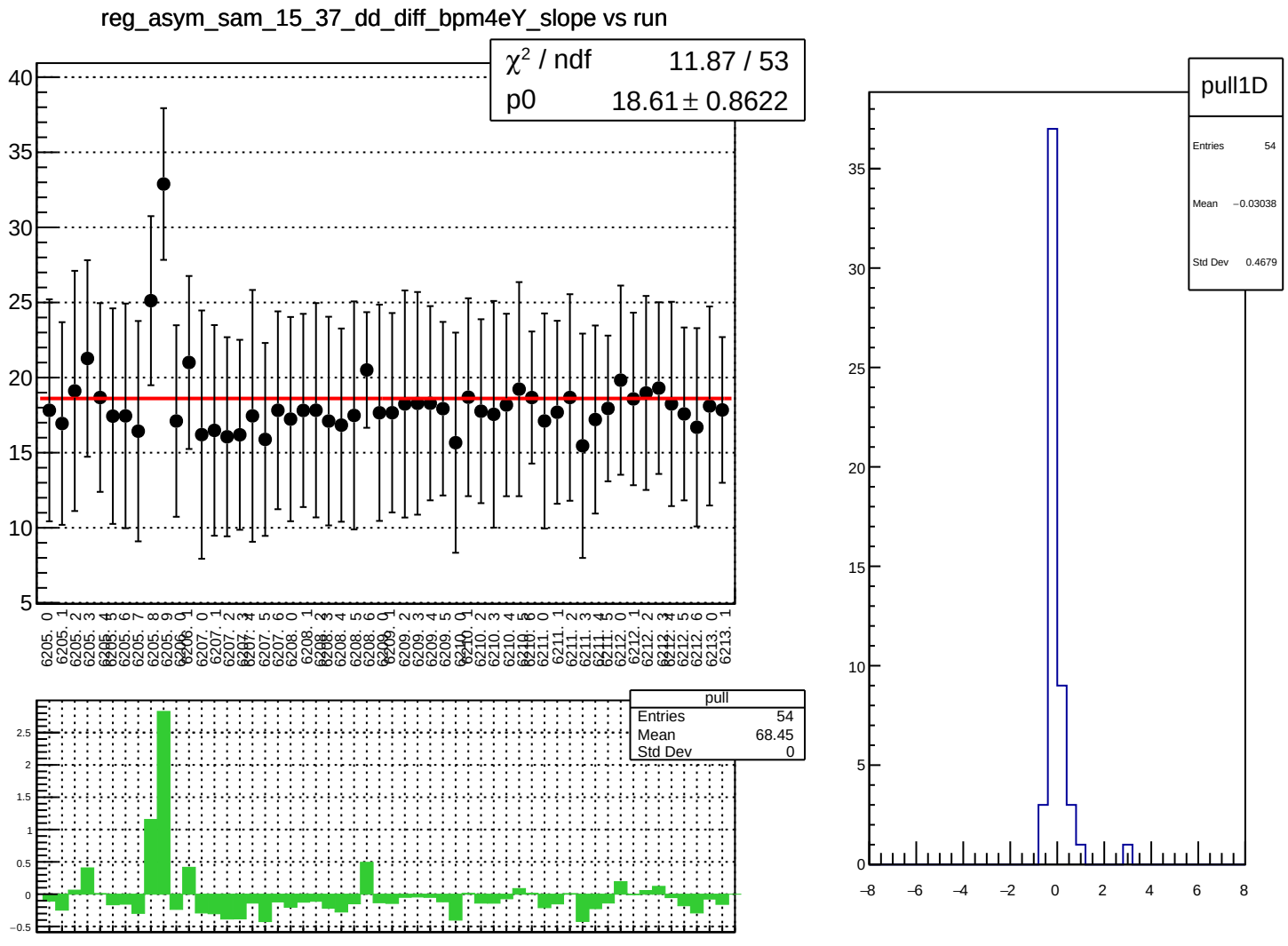

pull1D
Entries 54
Mean −0.02402
Std Dev 0.5188

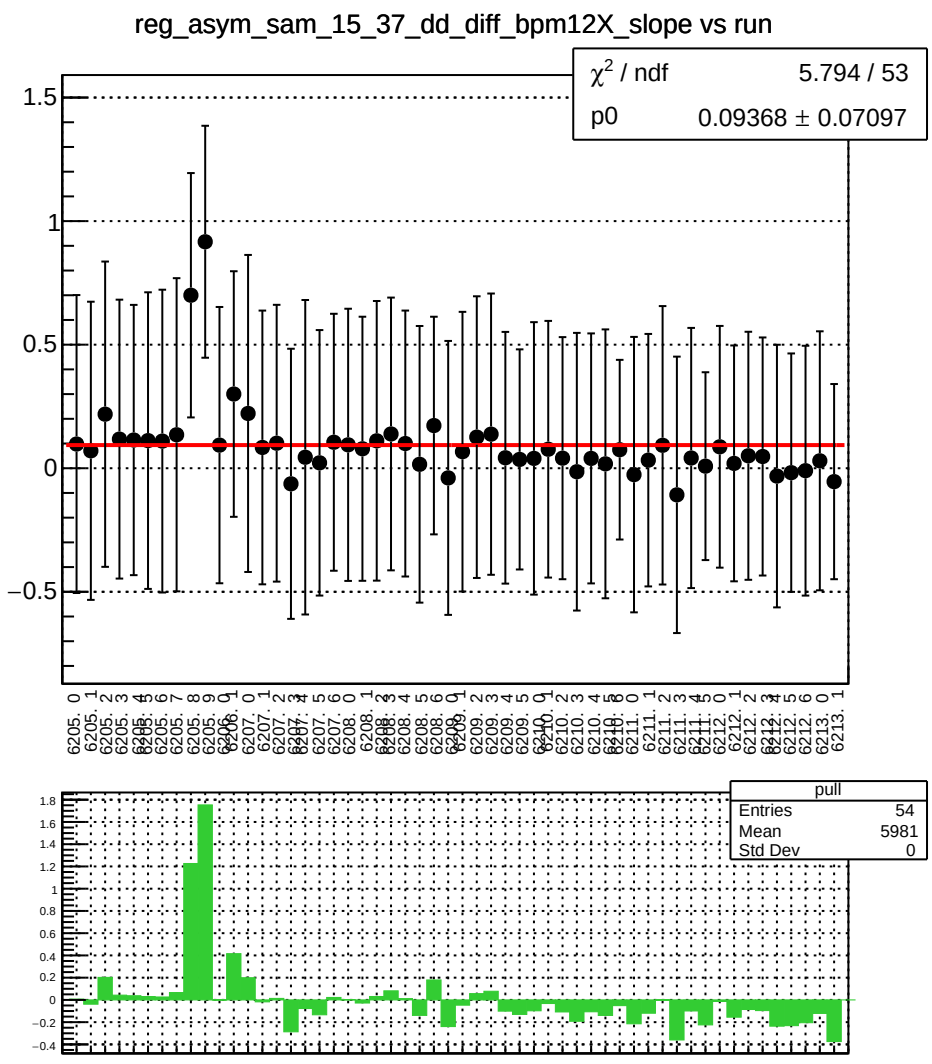

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 7.224 / 53
p0 2.052 ± 0.772
pull
Entries 54
Mean 58.8
Std Dev 0

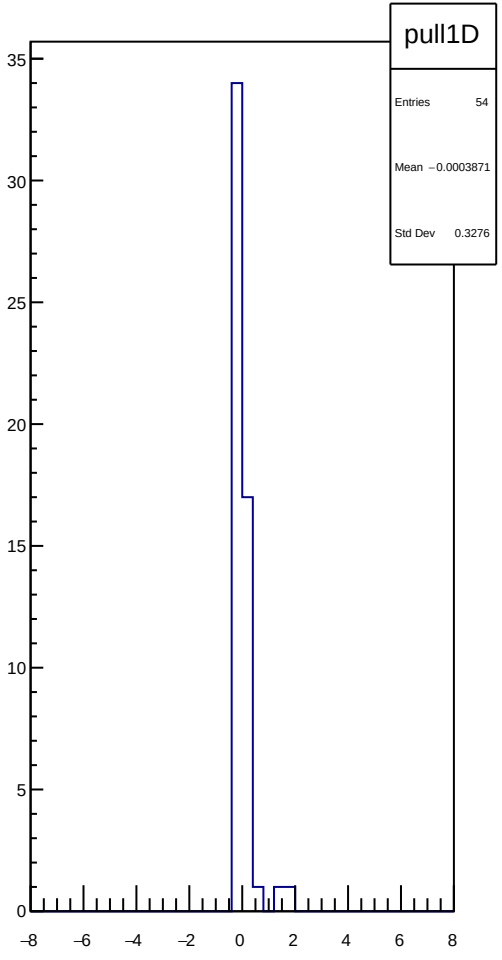

pull1D
Entries 54
Mean 0.02526
Std Dev 0.3649

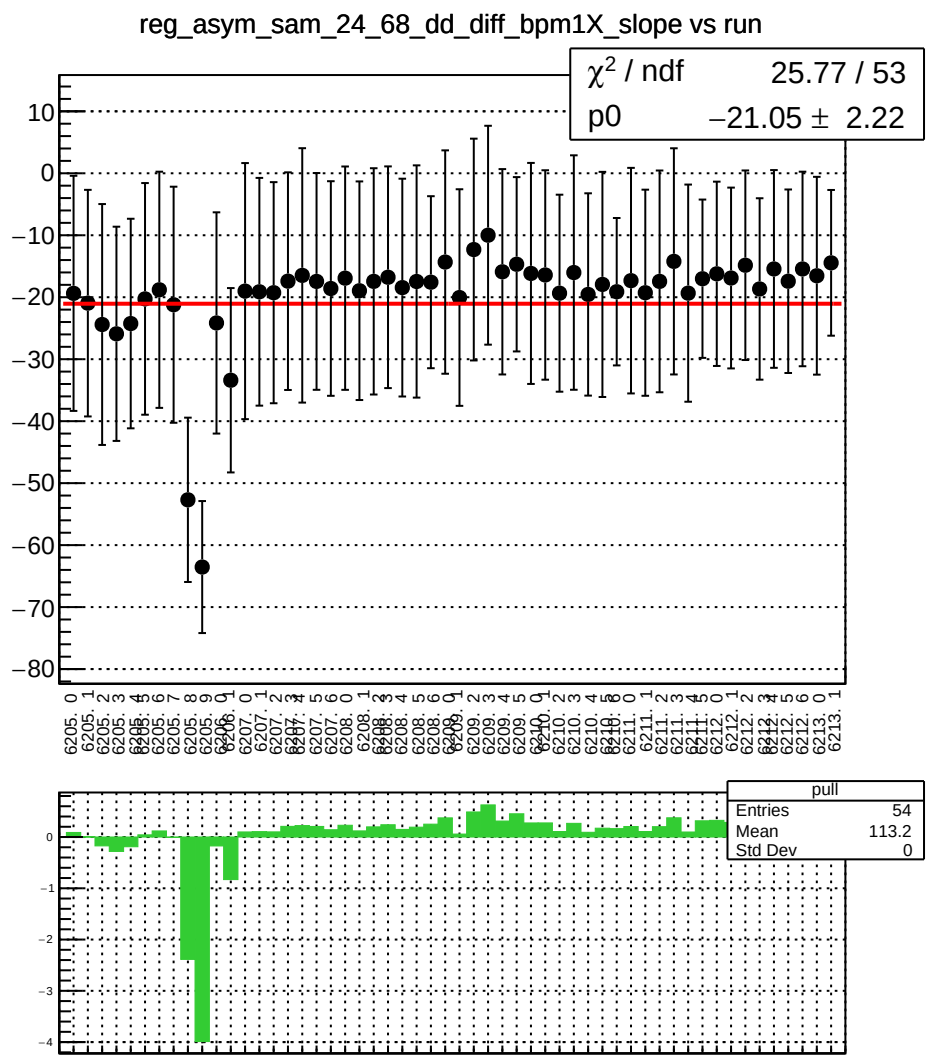

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 7.848 / 53
p0 36.48 ± 0.8638
pull
Entries 54
Mean 114.2
Std Dev 0

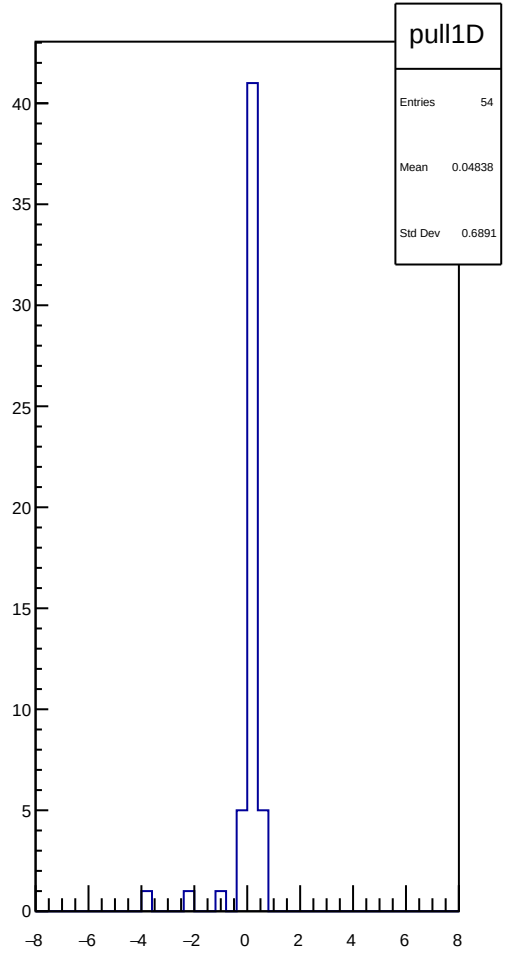

pull1D
Entries 54
Mean 0.02313
Std Dev 0.3805

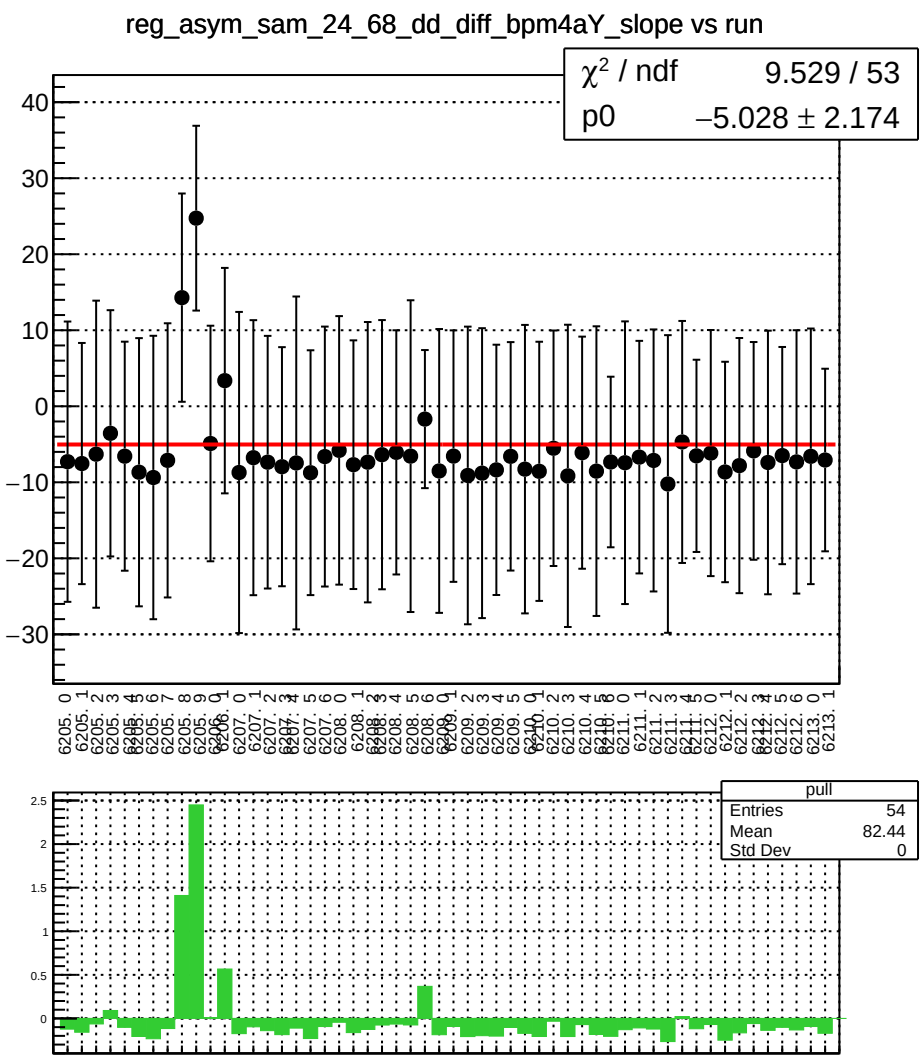

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 11.87 / 53
p0 18.61 ± 0.8622
pull
Entries 54
Mean 68.45
Std Dev 0
pull1D
Entries 54
Mean −0.03038
Std Dev 0.4679

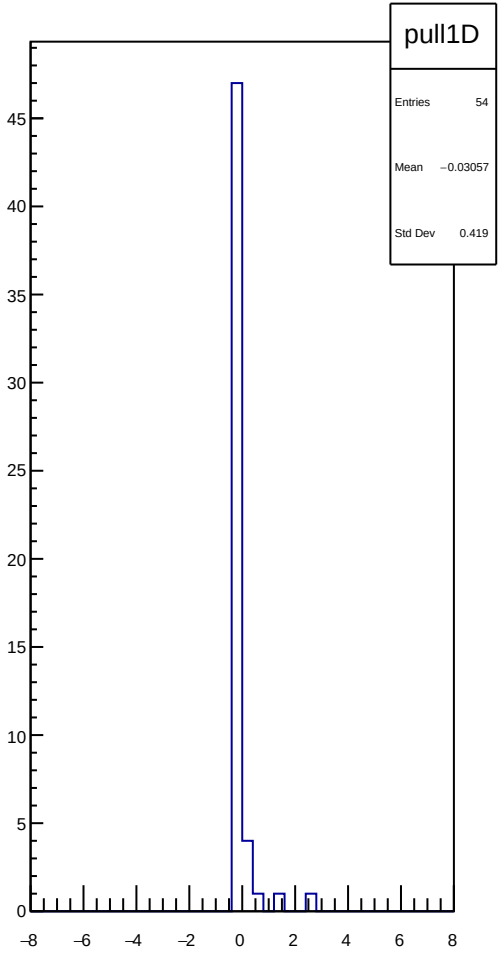

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ² / ndf 5.794 / 53
p0 0.09368 ± 0.07097
pull
Entries 54
Mean 5981
Std Dev 0

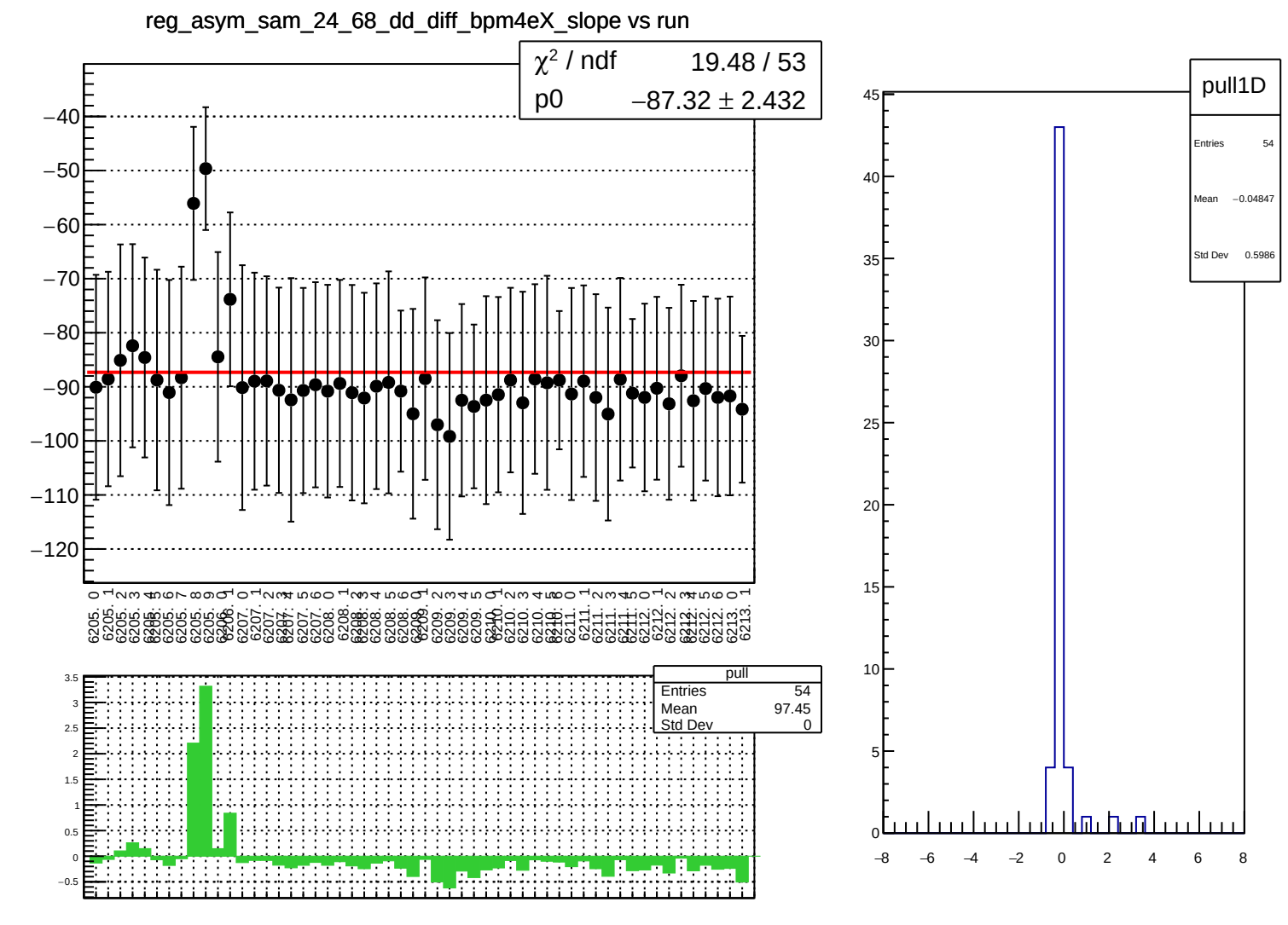

pull1D
Entries 54
Mean −0.0003871
Std Dev 0.3276

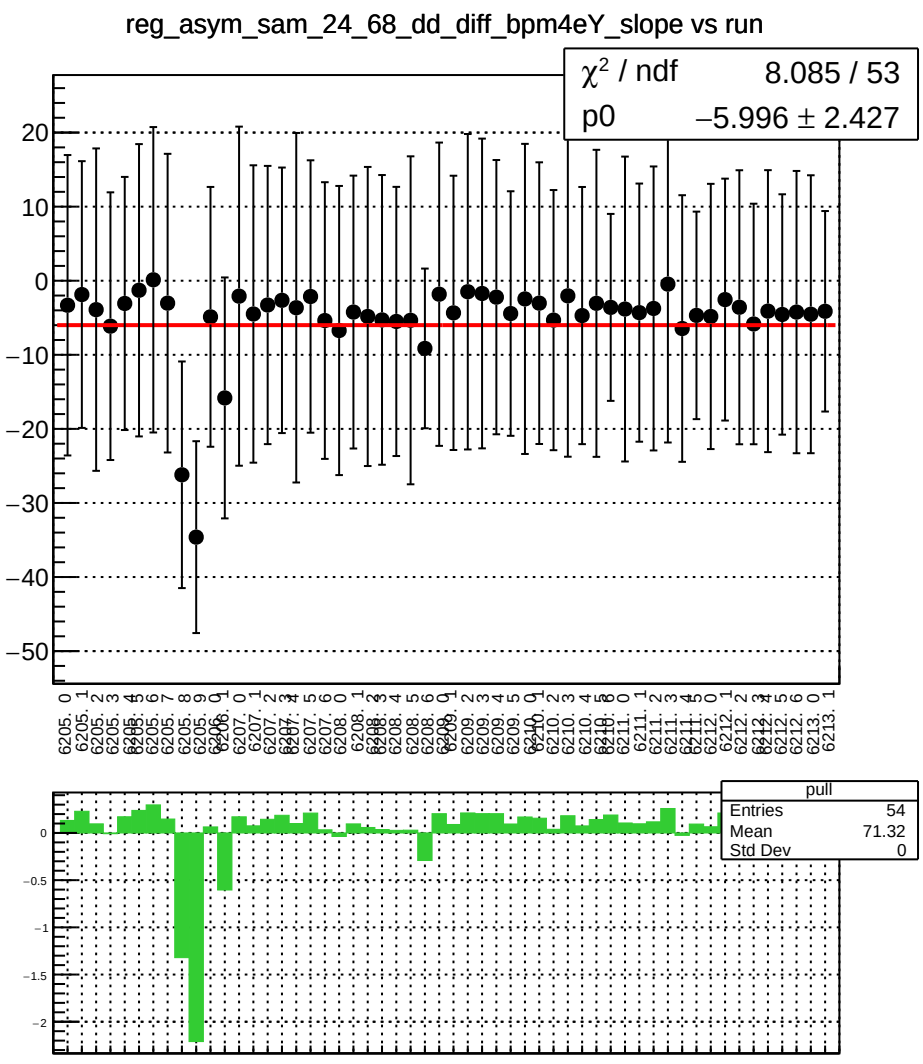

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs run
χ² / ndf 25.77 / 53
p0 −21.05 ± 2.22
pull
Entries 54
Mean 113.2
Std Dev 0

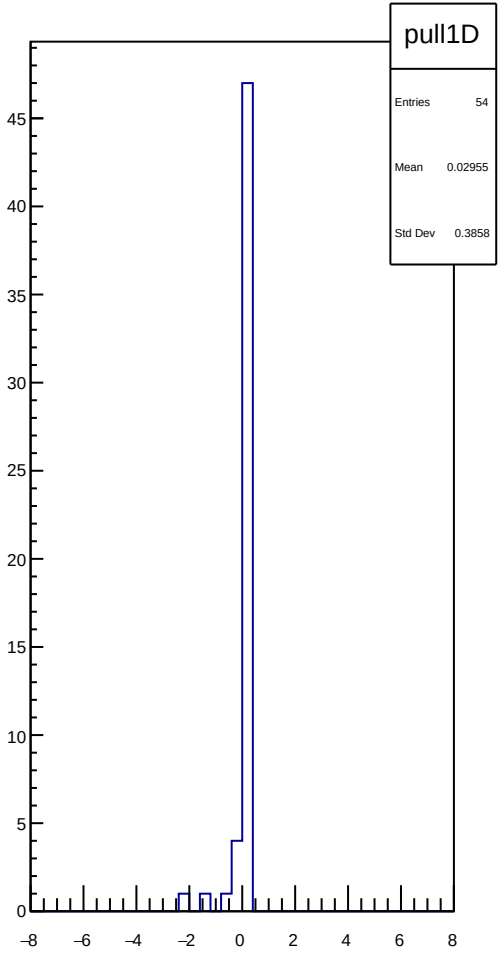

pull1D
Entries 54
Mean 0.04838
Std Dev 0.6891

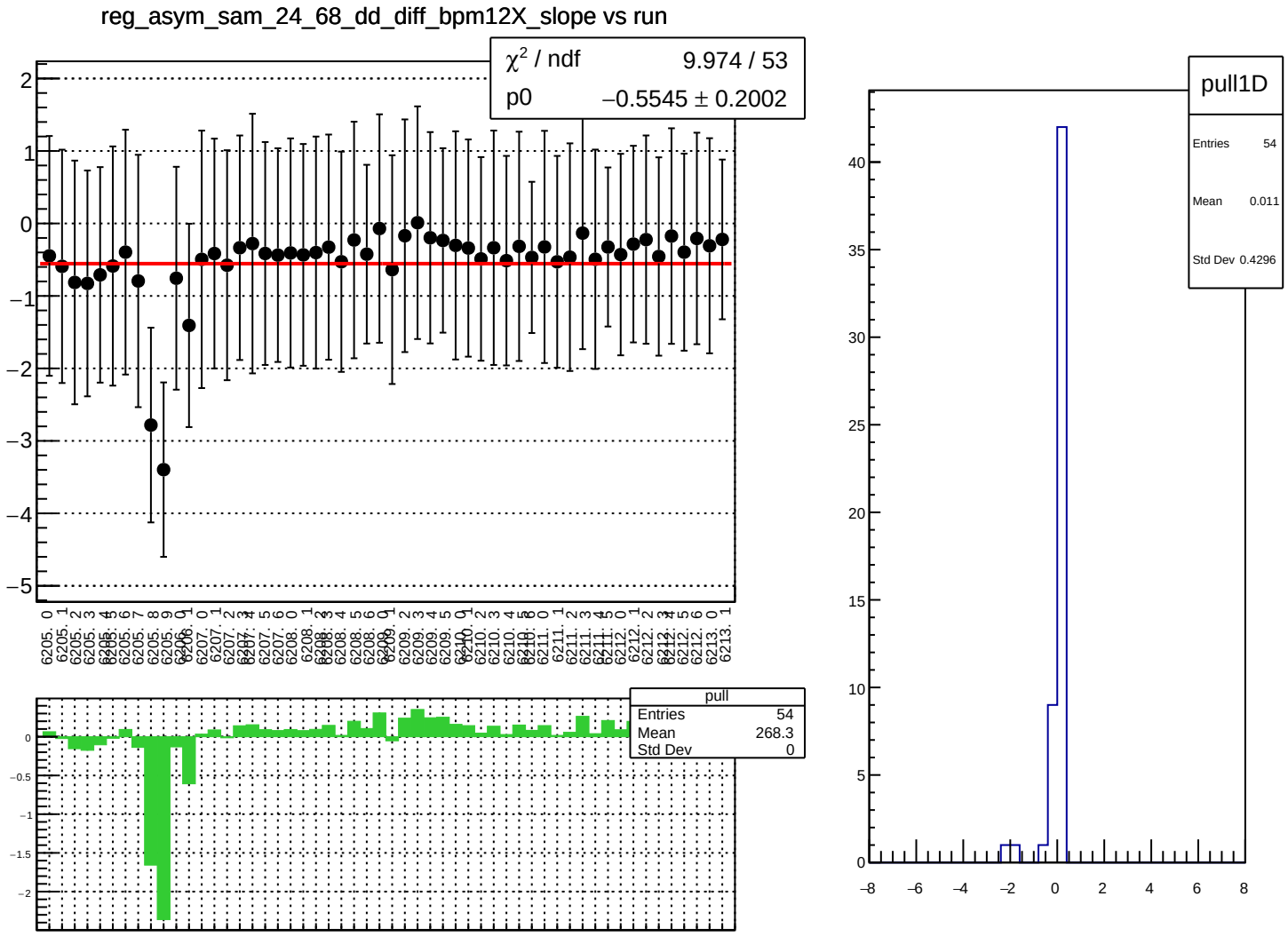

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ² / ndf 9.529 / 53
p0 −5.028 ± 2.174
pull
Entries 54
Mean 82.44
Std Dev 0

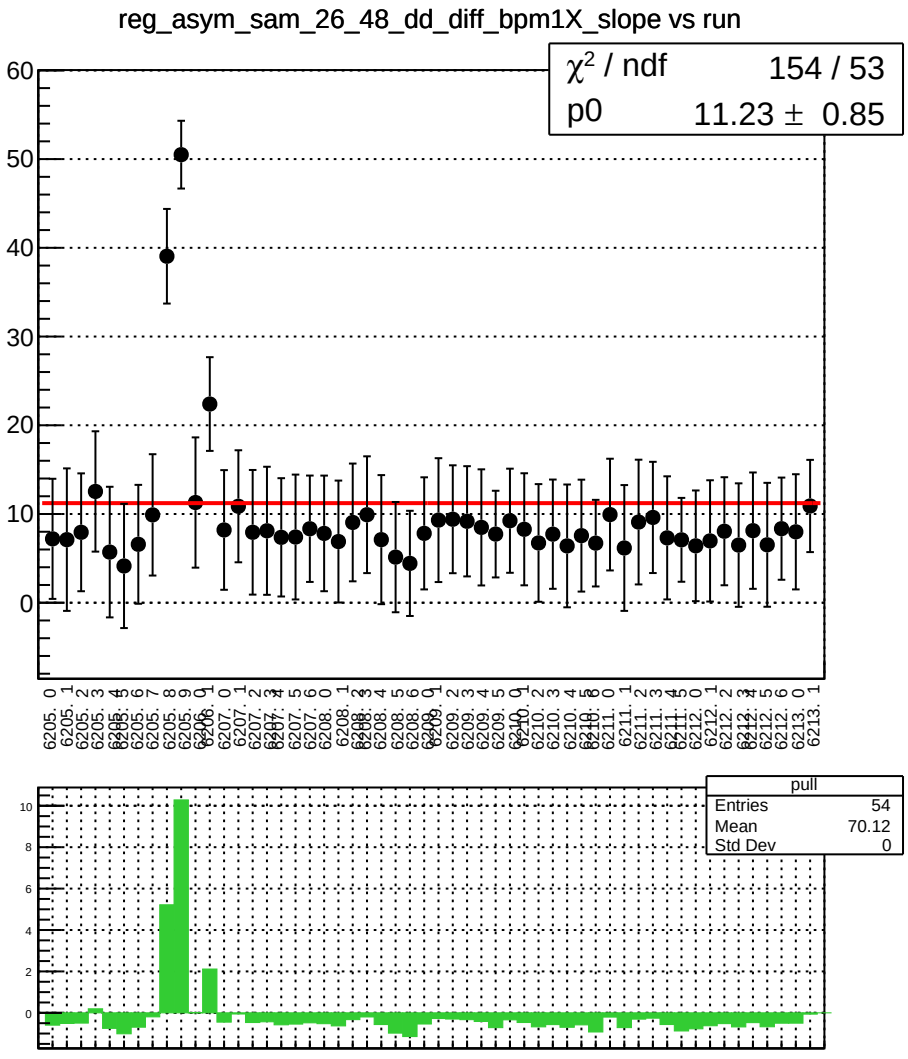

pull1D
Entries 54
Mean −0.03057
Std Dev 0.419

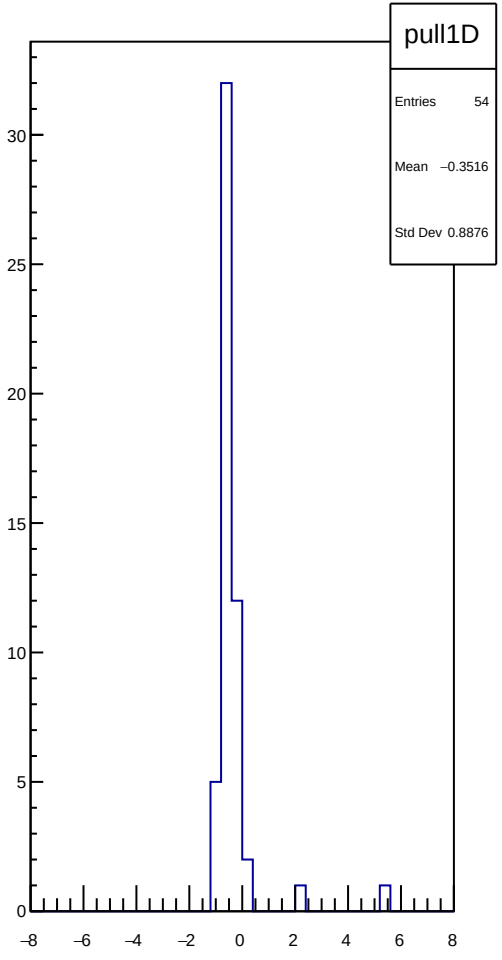

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ² / ndf 19.48 / 53
p0 −87.32 ± 2.432
pull
Entries 54
Mean 97.45
Std Dev 0
pull1D
Entries 54
Mean −0.04847
Std Dev 0.5986

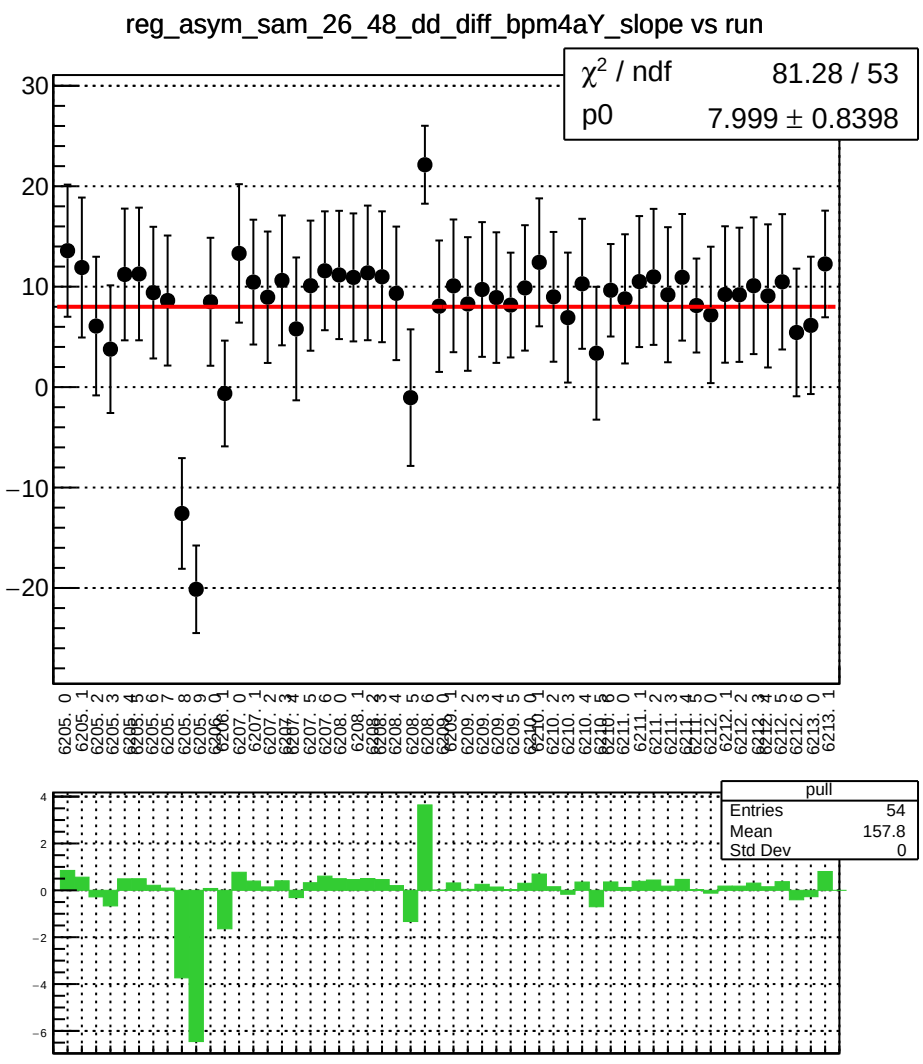

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ² / ndf 8.085 / 53
p0 −5.996 ± 2.427
pull
Entries 54
Mean 71.32
Std Dev 0

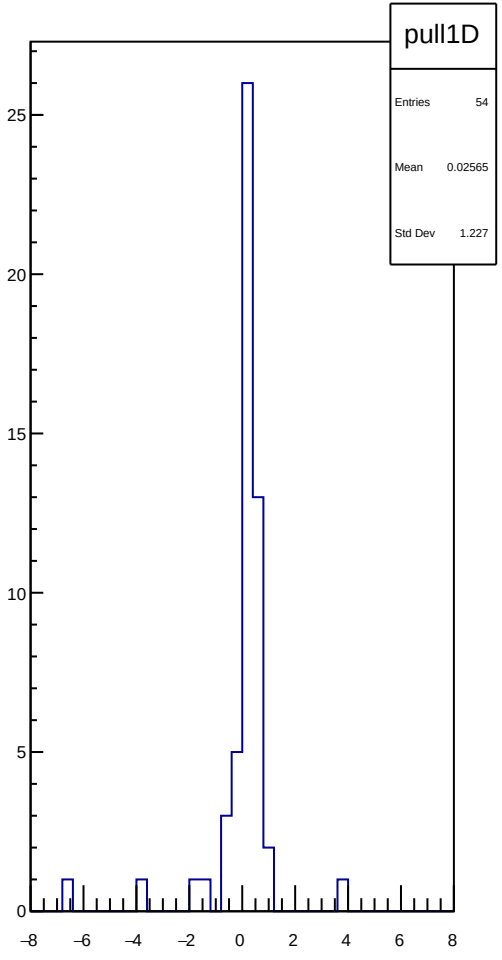

pull1D
Entries 54
Mean 0.02955
Std Dev 0.3858

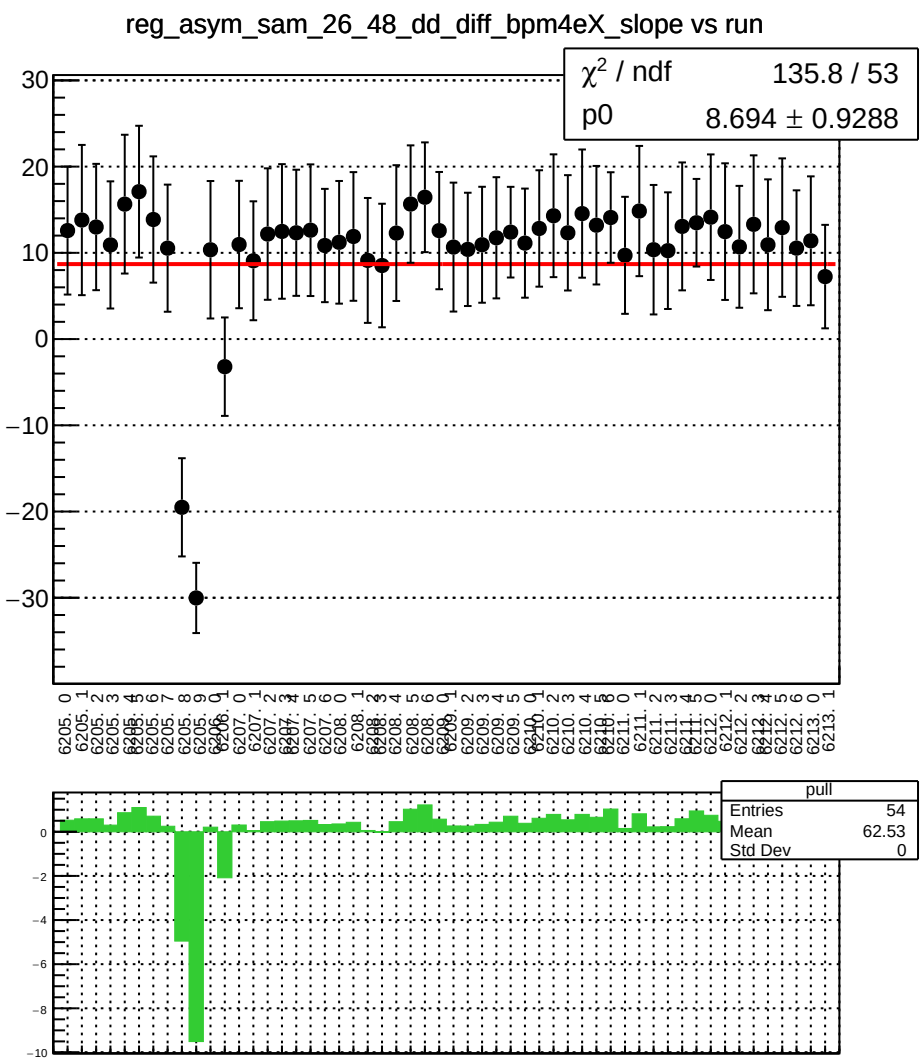

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ² / ndf 9.974 / 53
p0 −0.5545 ± 0.2002
pull
Entries 54
Mean 268.3
Std Dev 0
pull1D
Entries 54
Mean 0.011
Std Dev 0.4296

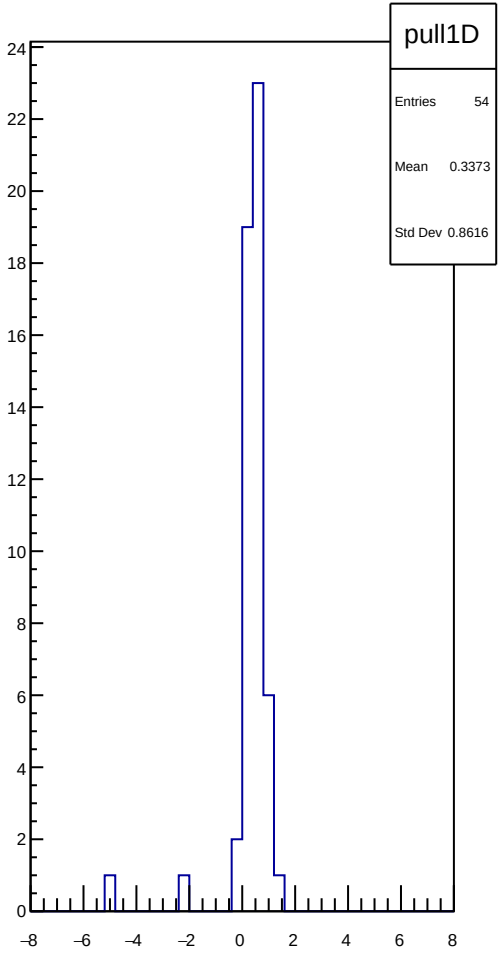

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs run
χ² / ndf 154 / 53
p0 11.23 ± 0.85
pull
Entries 54
Mean 70.12
Std Dev 0

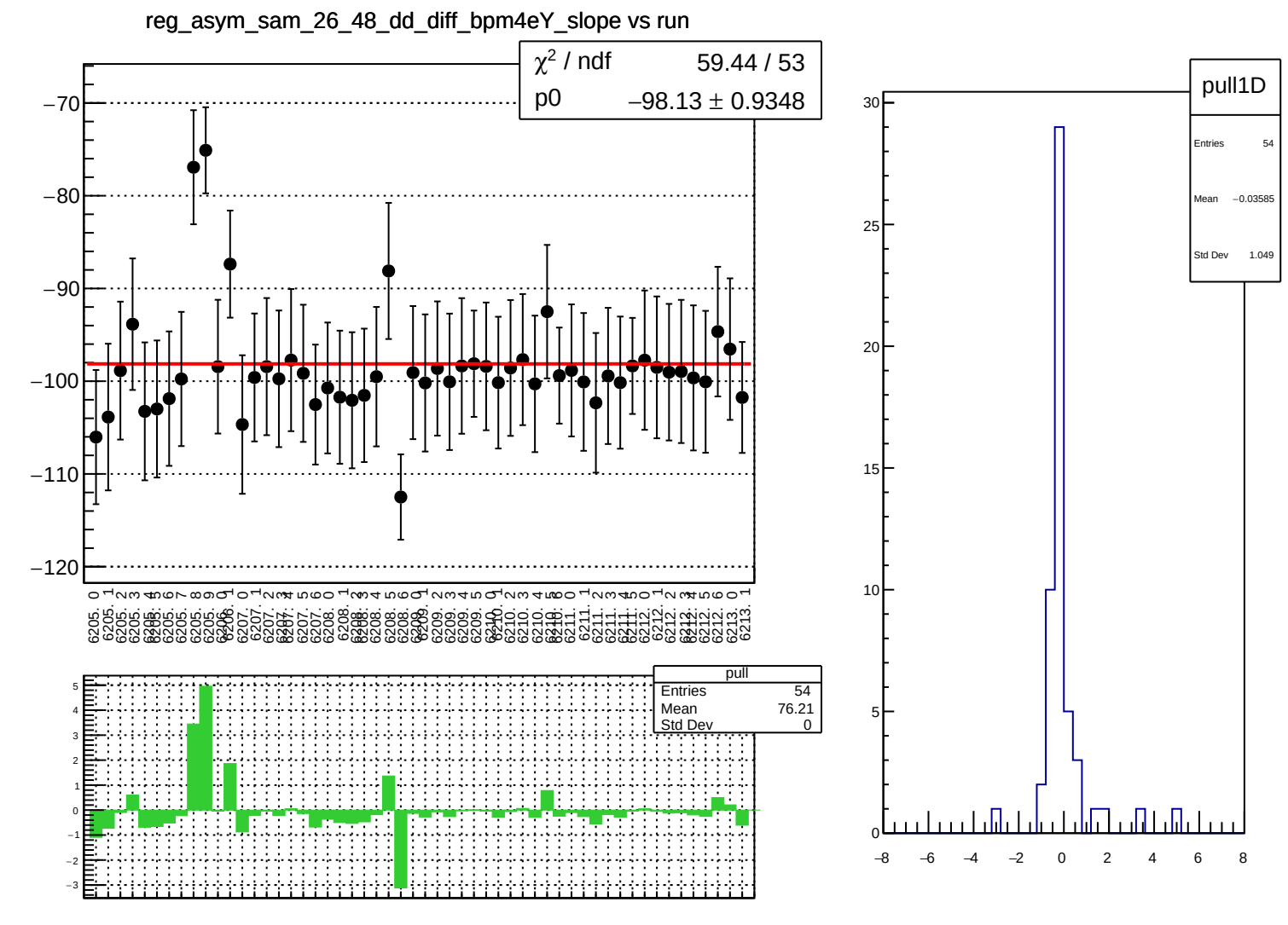

pull1D
Entries 54
Mean −0.3516
Std Dev 0.8876

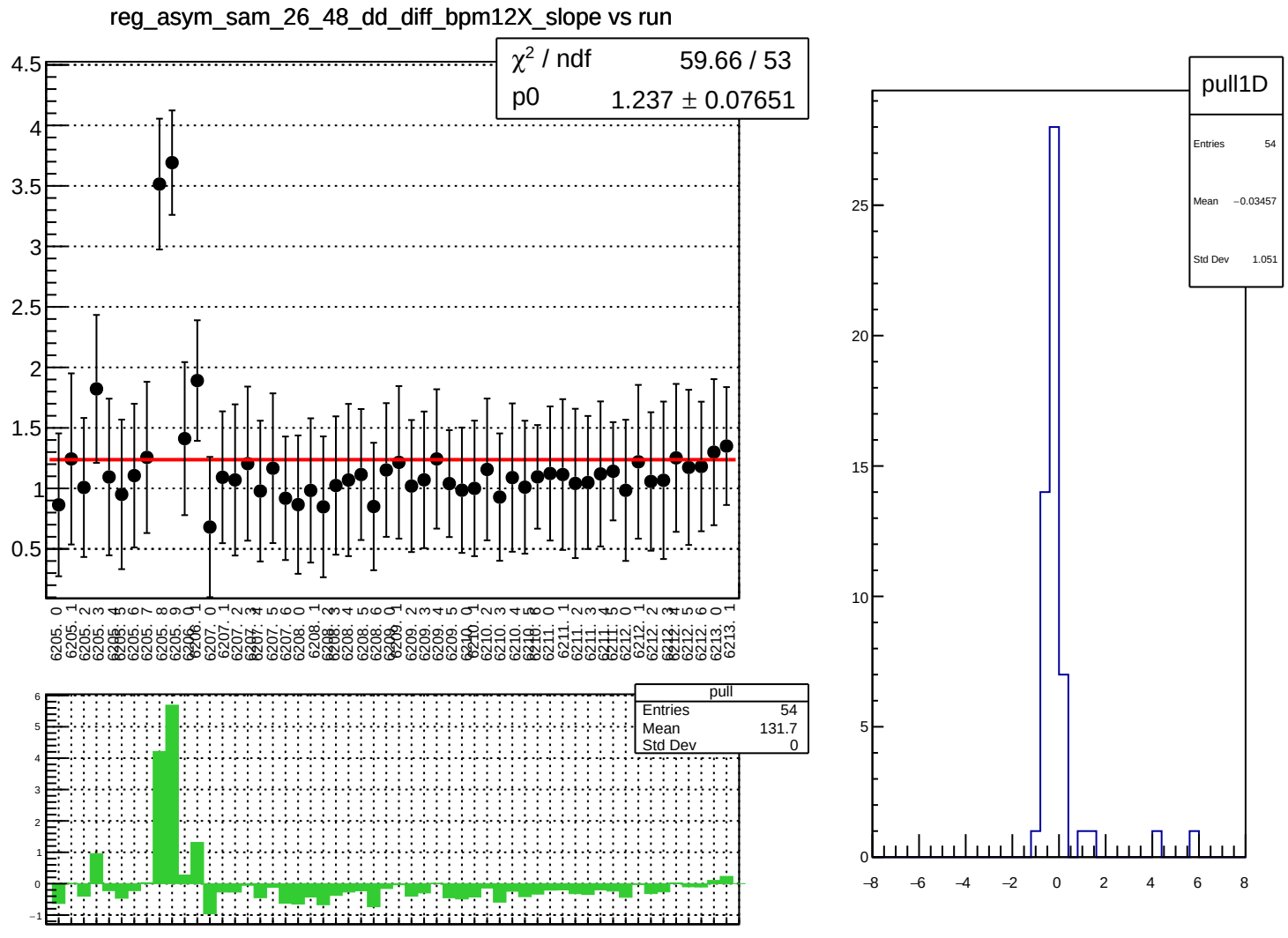

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 81.28 / 53
p0 7.999 ± 0.8398
pull
Entries 54
Mean 157.8
Std Dev 0

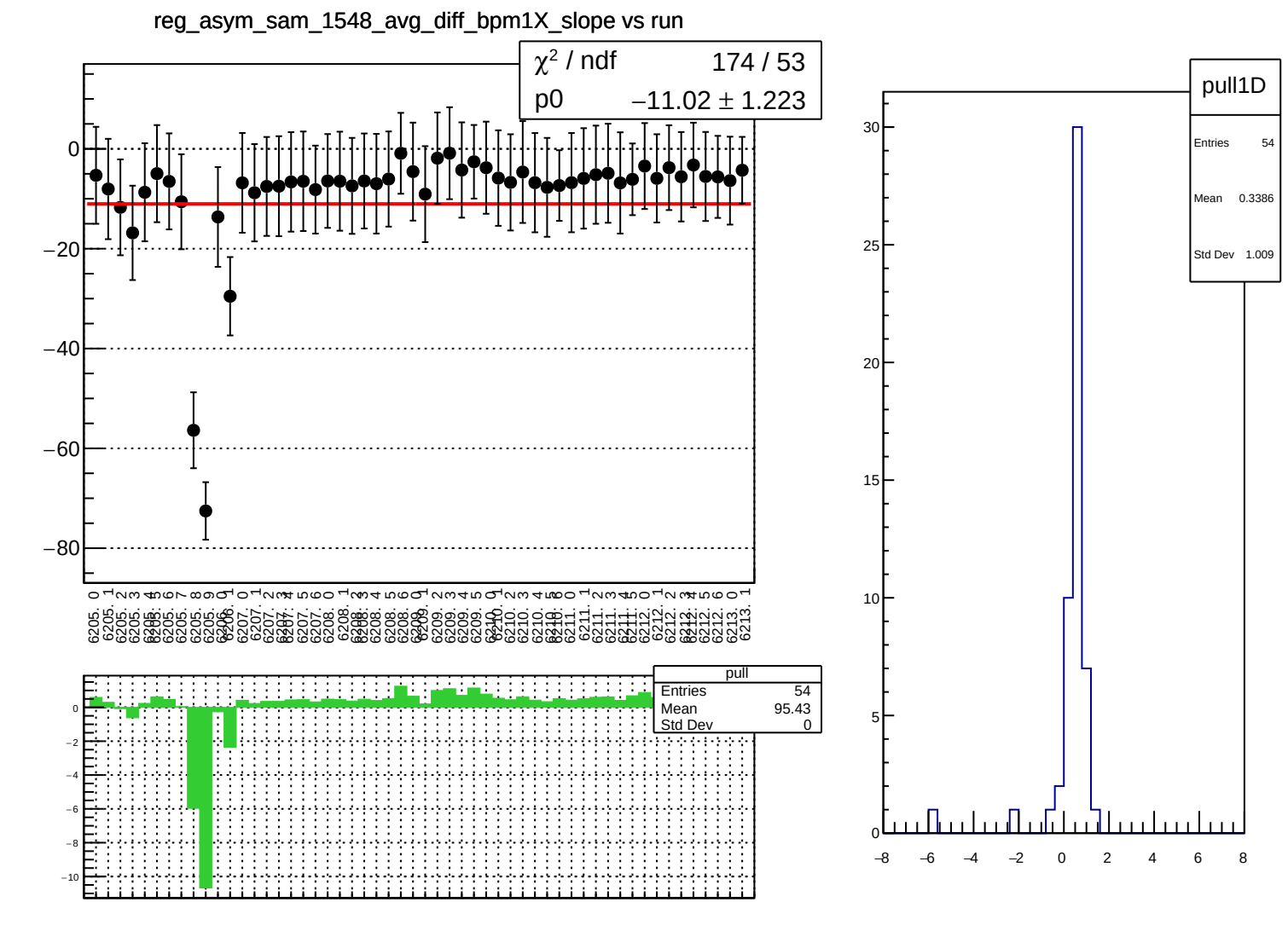

pull1D
Entries 54
Mean 0.02565
Std Dev 1.227

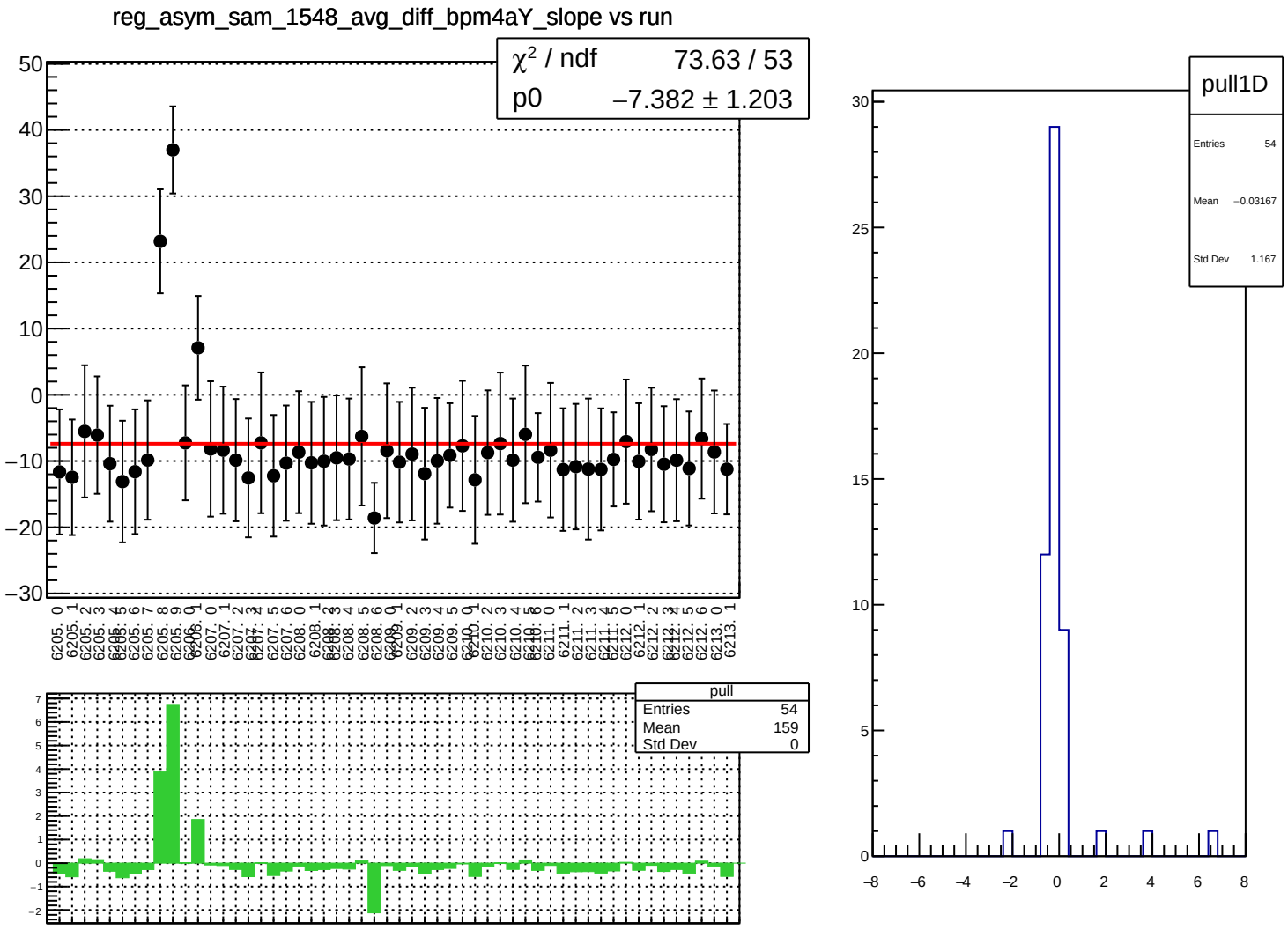

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 135.8 / 53
p0 8.694 ± 0.9288
pull
Entries 54
Mean 62.53
Std Dev 0

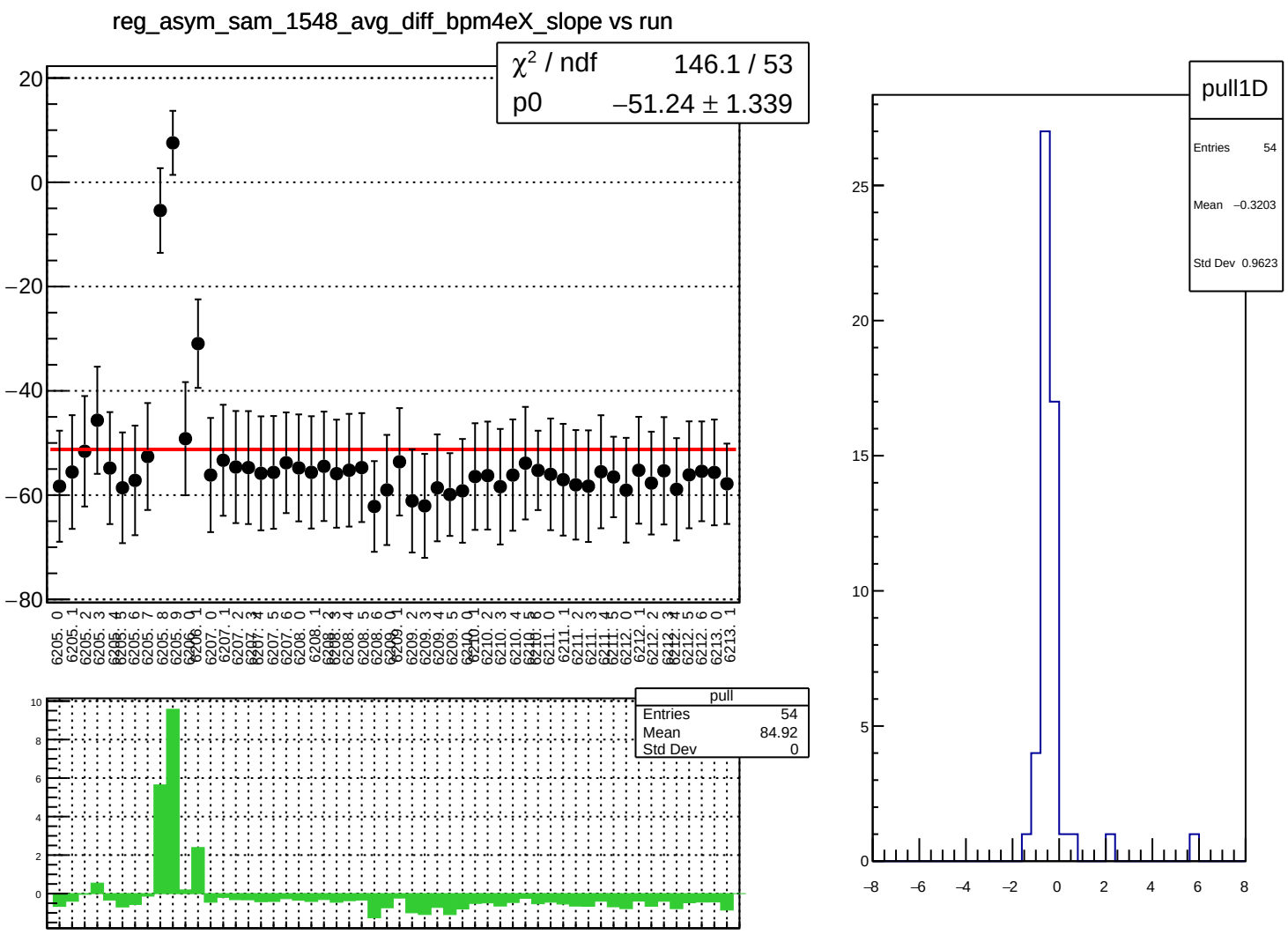

pull1D
Entries 54
Mean 0.3373
Std Dev 0.8616

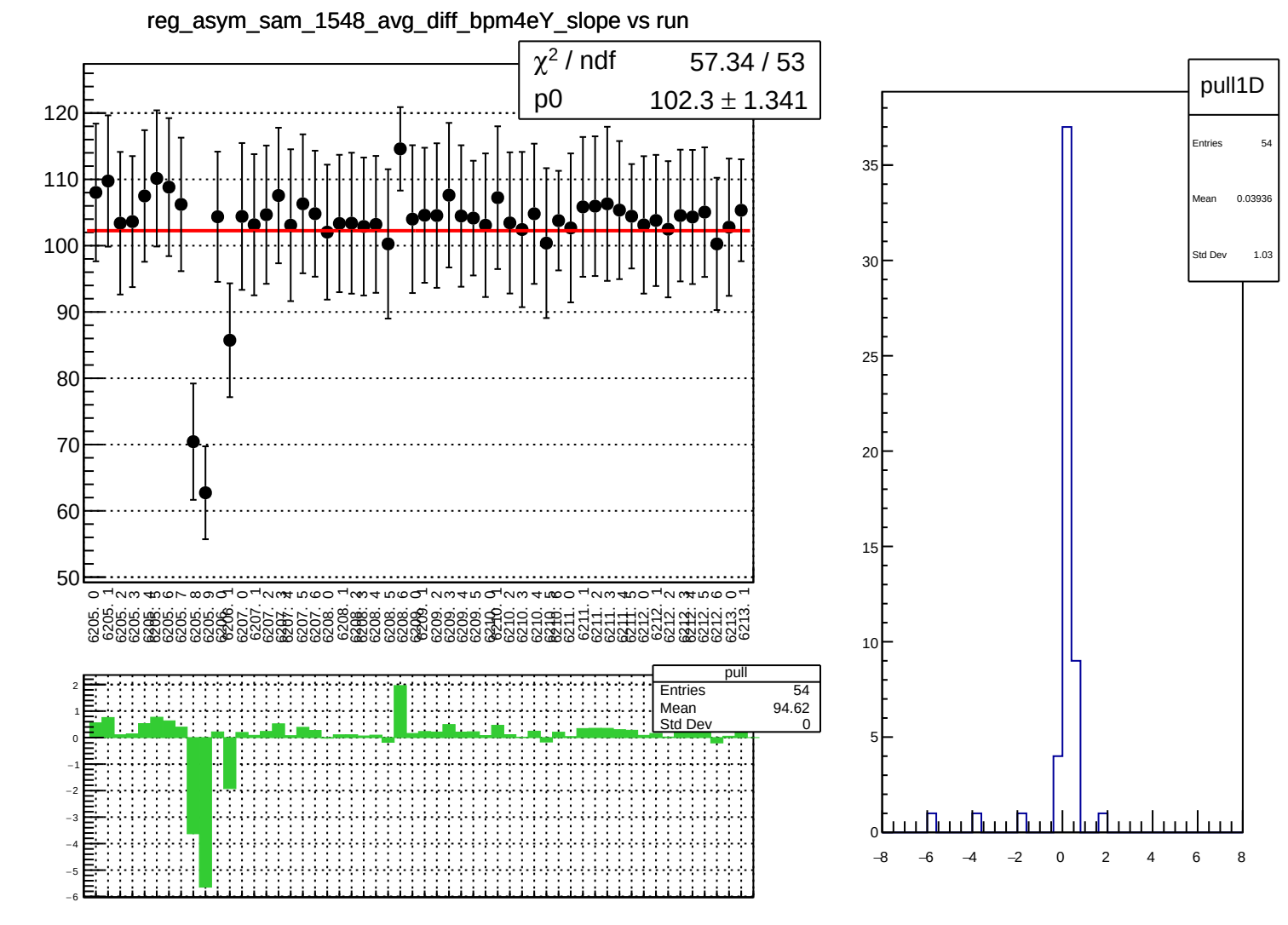

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 59.44 / 53
p0 −98.13 ± 0.9348
pull
Entries 54
Mean 76.21
Std Dev 0
pull1D
Entries 54
Mean −0.03585
Std Dev 1.049

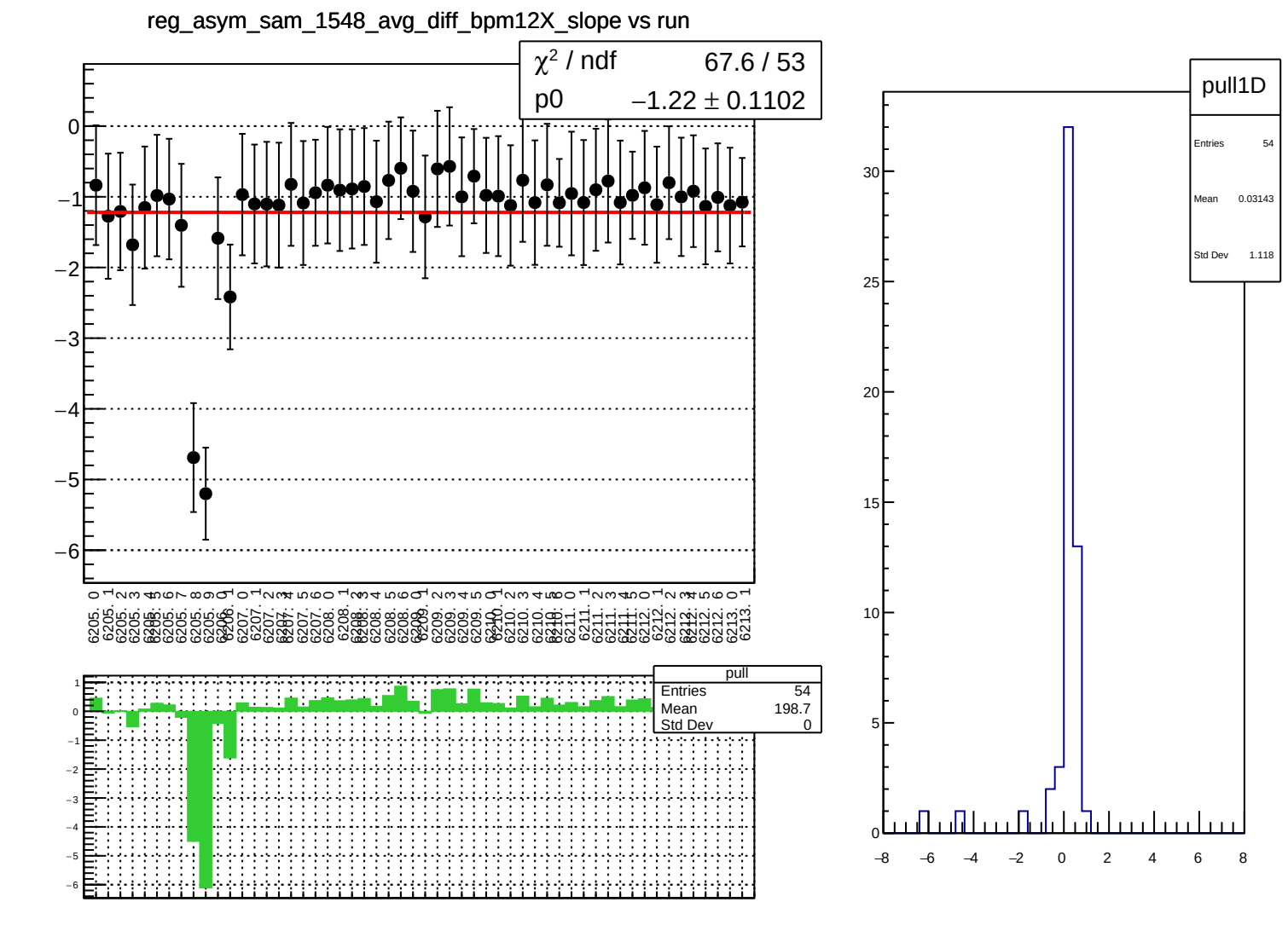

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ² / ndf 59.66 / 53
p0 1.237 ± 0.07651
pull
Entries 54
Mean 131.7
Std Dev 0
pull1D
Entries 54
Mean −0.03457
Std Dev 1.051

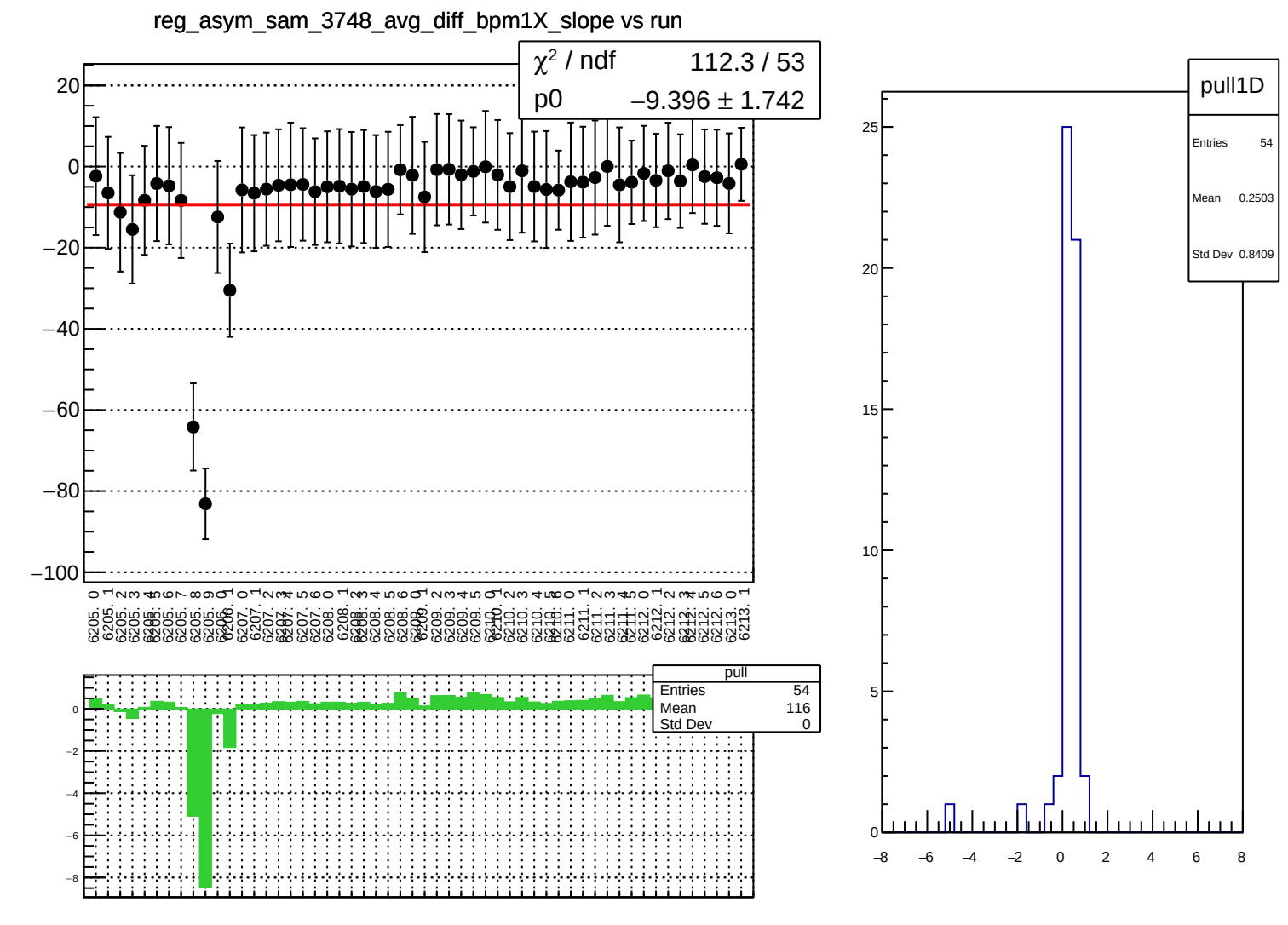

reg_asym_sam_1548_avg_diff_bpm1X_slope vs run
χ² / ndf 174 / 53
p0 −11.02 ± 1.223
pull
Entries 54
Mean 95.43
Std Dev 0
pull1D
Entries 54
Mean 0.3386
Std Dev 1.009

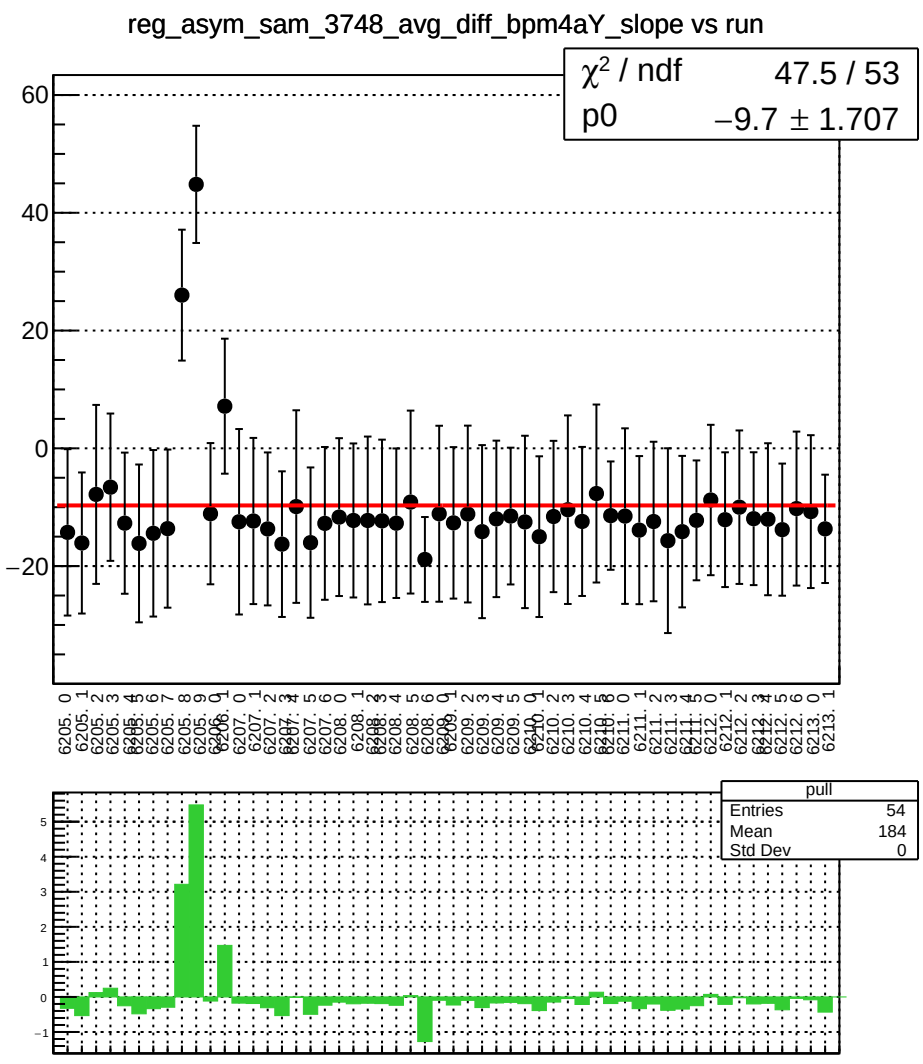

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs run
χ² / ndf 73.63 / 53
p0 −7.382 ± 1.203
pull
Entries 54
Mean 159
Std Dev 0
pull1D
Entries 54
Mean −0.03167
Std Dev 1.167

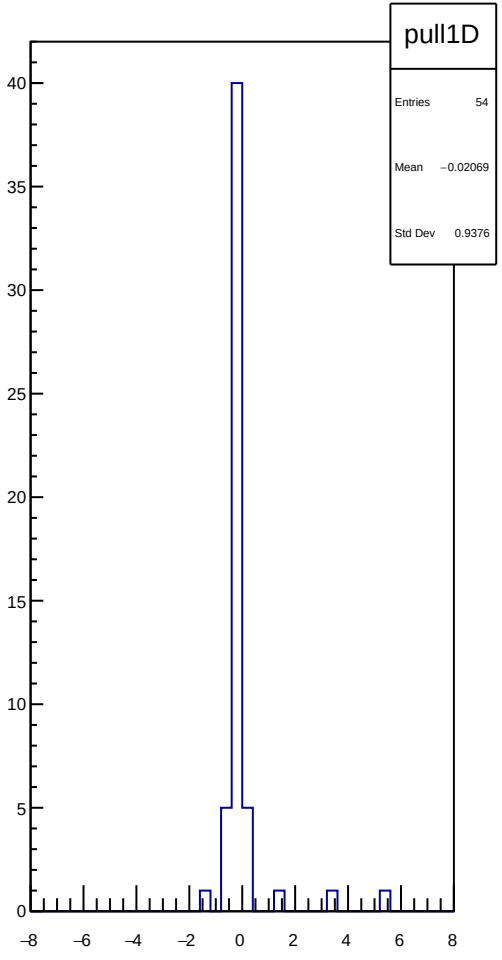

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs run
χ² / ndf 146.1 / 53
p0 −51.24 ± 1.339
pull
Entries 54
Mean 84.92
Std Dev 0
pull1D
Entries 54
Mean −0.3203
Std Dev 0.9623

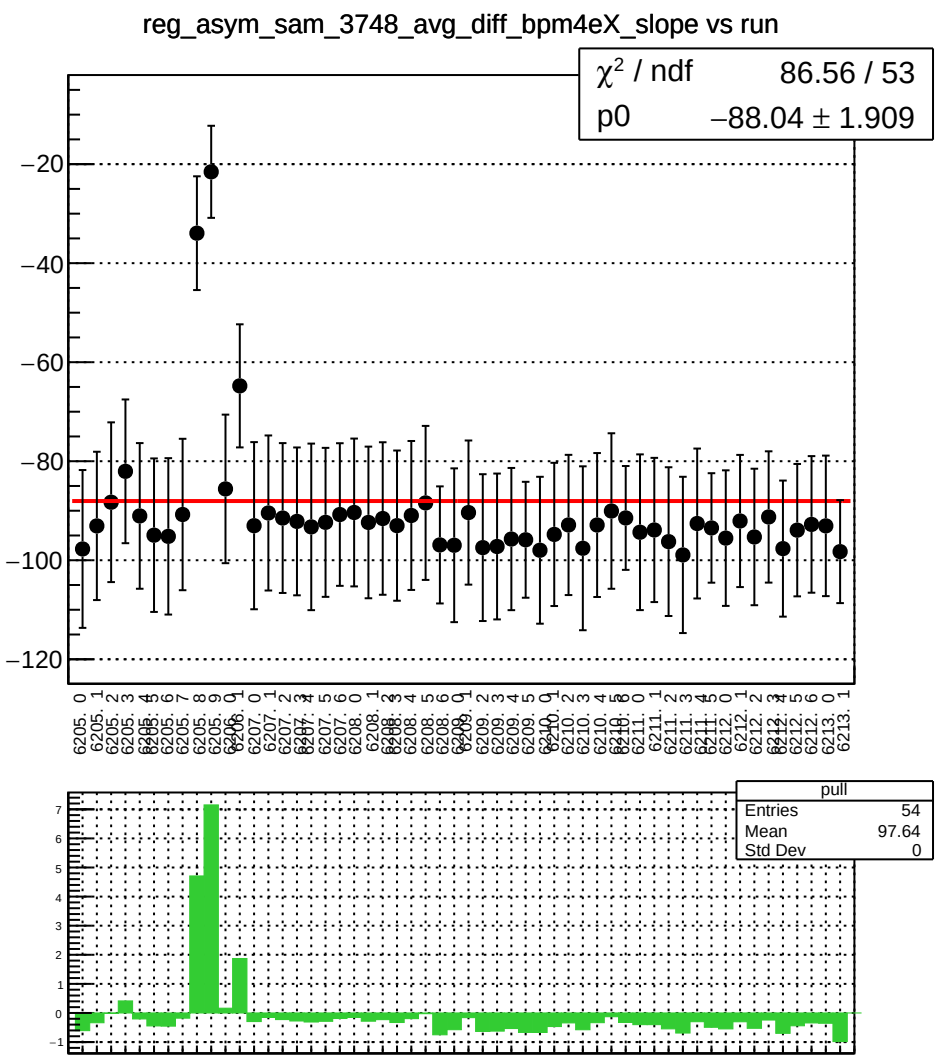

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs run
χ² / ndf 57.34 / 53
p0 102.3 ± 1.341
pull
Entries 54
Mean 94.62
Std Dev 0
pull1D
Entries 54
Mean 0.03936
Std Dev 1.03

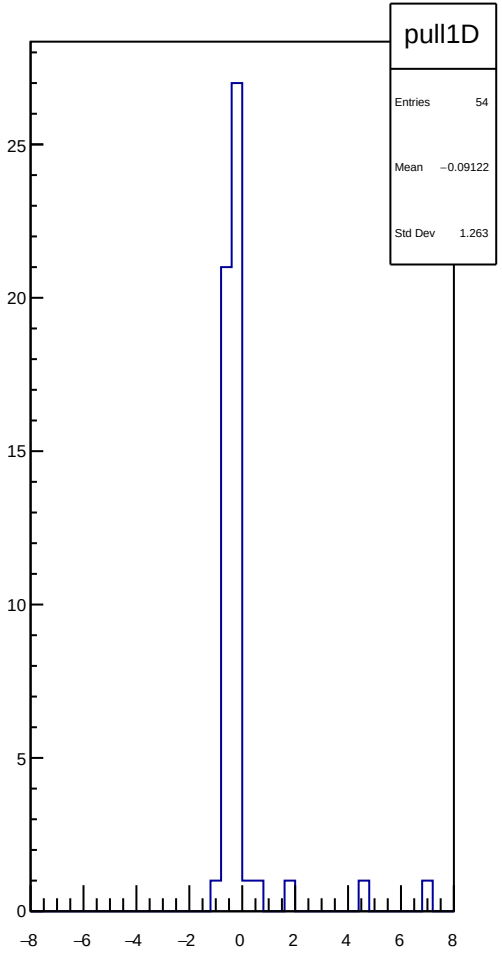

reg_asym_sam_1548_avg_diff_bpm12X_slope vs run
χ² / ndf 67.6 / 53
p0 −1.22 ± 0.1102
pull
Entries 54
Mean 198.7
Std Dev 0
pull1D
Entries 54
Mean 0.03143
Std Dev 1.118

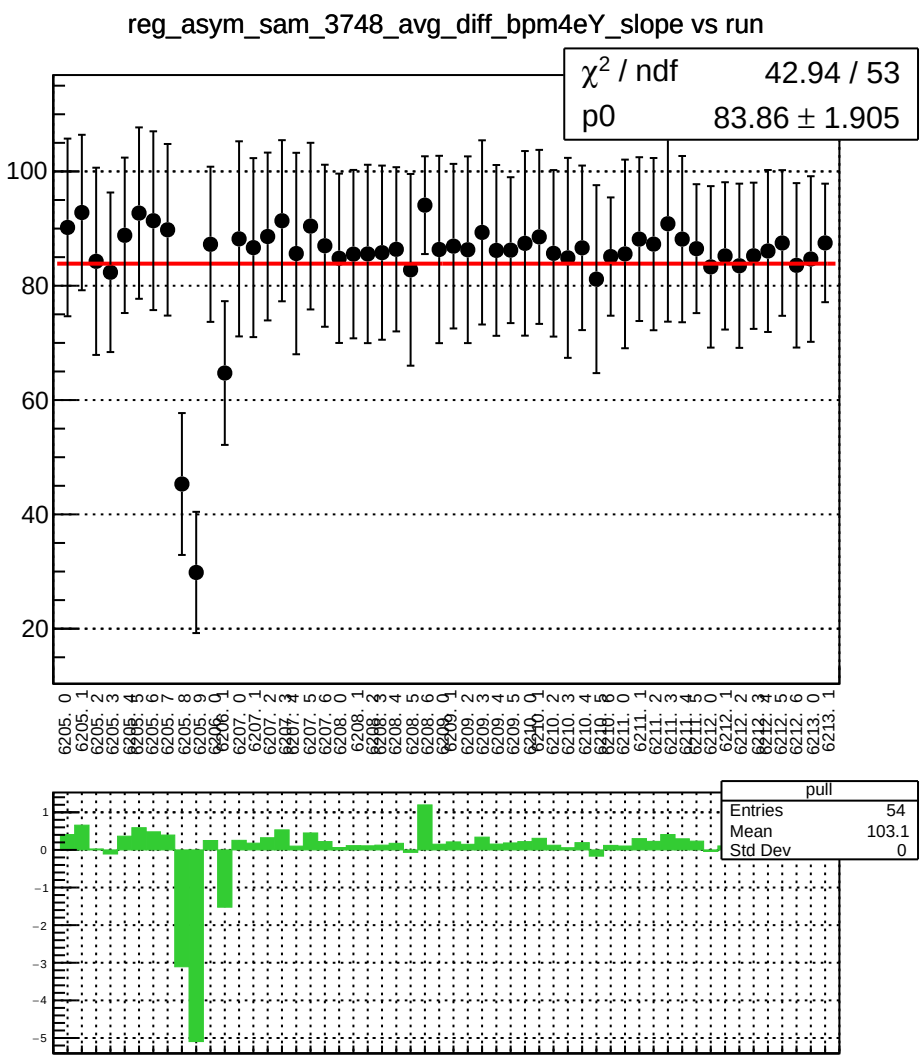

reg_asym_sam_3748_avg_diff_bpm1X_slope vs run
χ² / ndf 112.3 / 53
p0 −9.396 ± 1.742
pull
Entries 54
Mean 116
Std Dev 0
pull1D
Entries 54
Mean 0.2503
Std Dev 0.8409

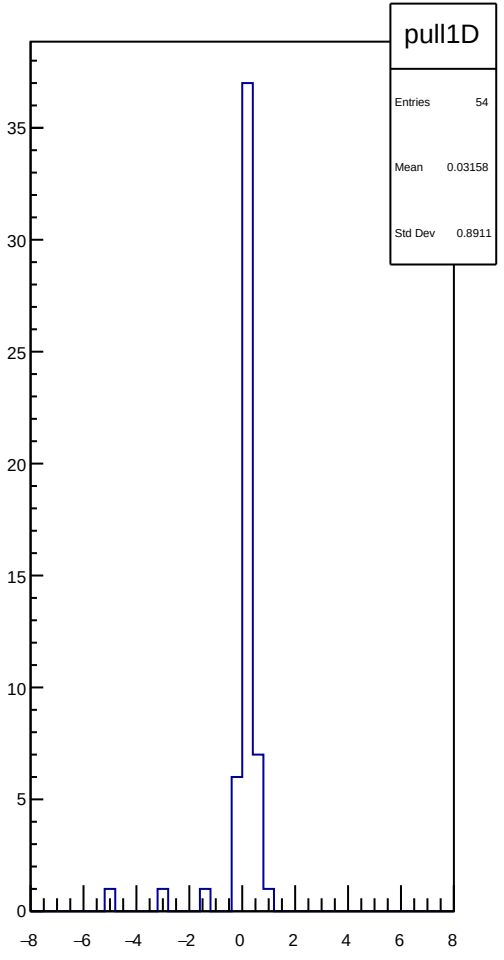

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs run
χ² / ndf 47.5 / 53
p0 −9.7 ± 1.707
pull
Entries 54
Mean 184
Std Dev 0

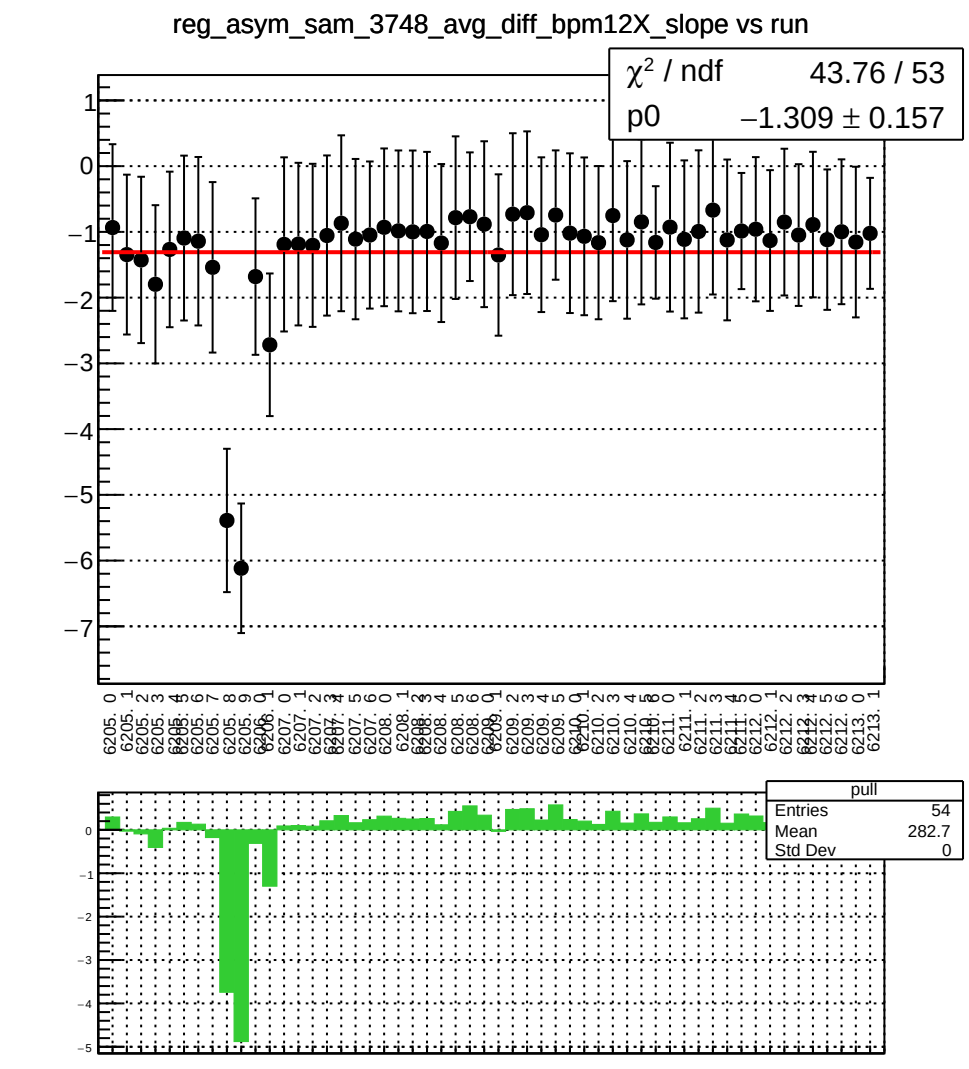

pull1D
Entries 54
Mean −0.02069
Std Dev 0.9376

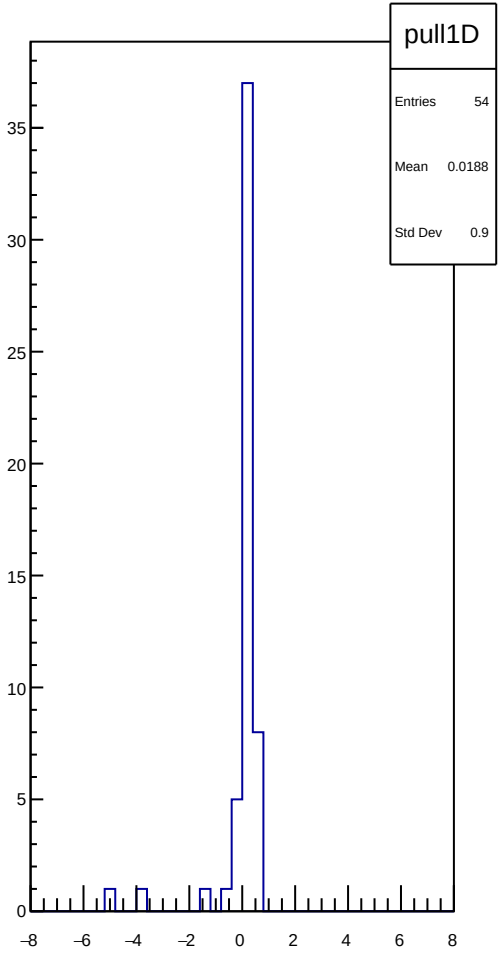

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs run
χ² / ndf 86.56 / 53
p0 −88.04 ± 1.909
pull
Entries 54
Mean 97.64
Std Dev 0

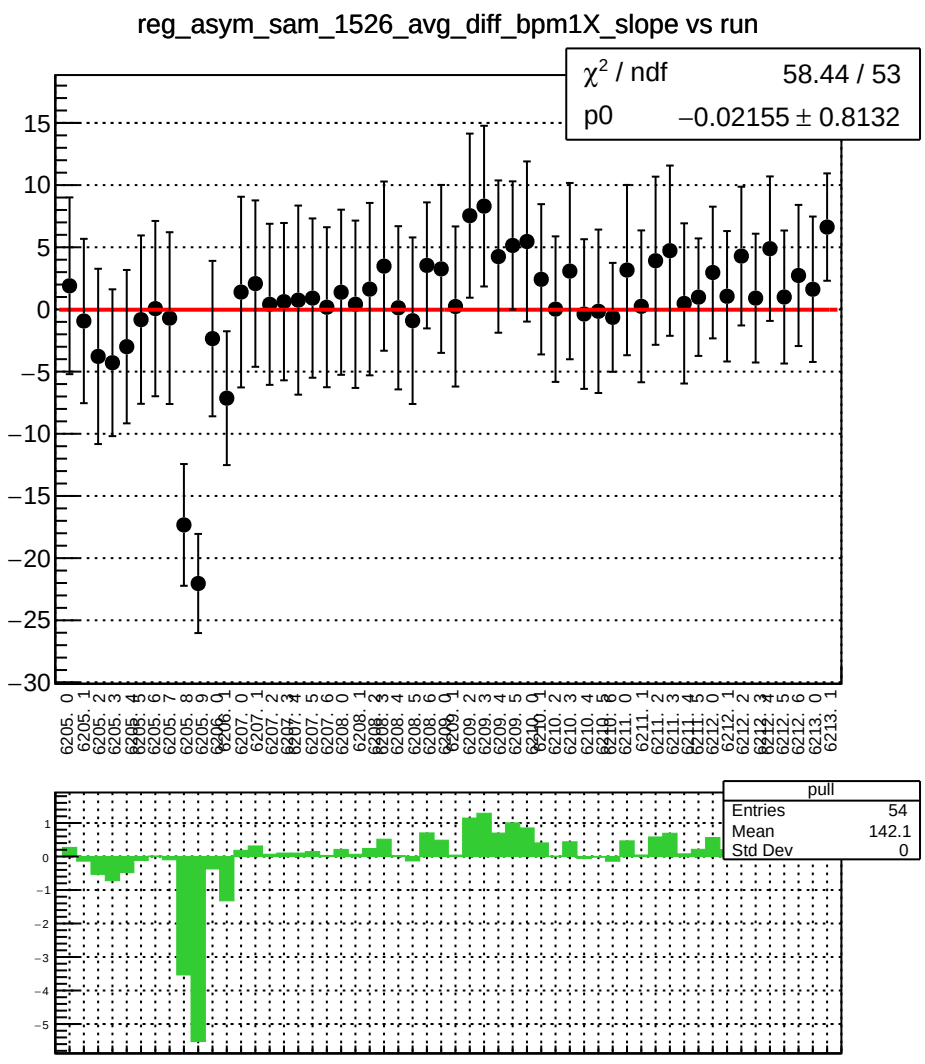

pull1D
Entries 54
Mean −0.09122
Std Dev 1.263

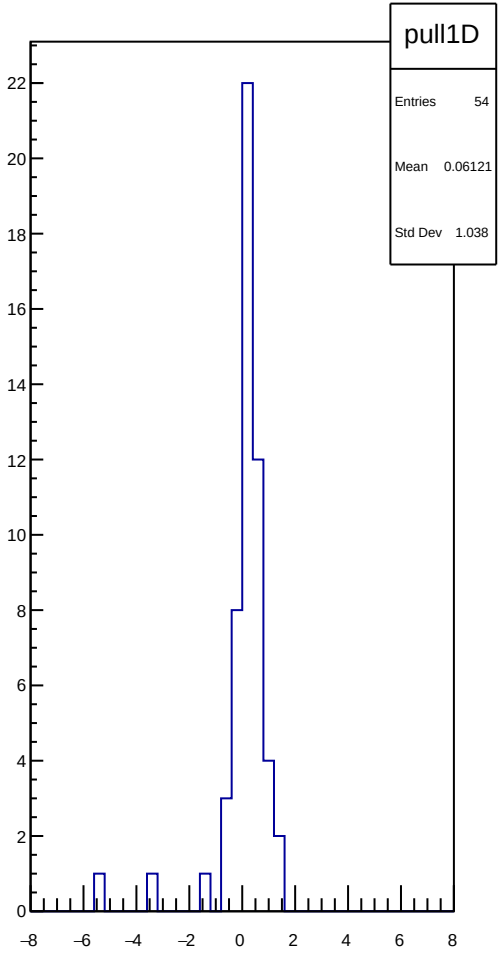

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs run
χ² / ndf 42.94 / 53
p0 83.86 ± 1.905
pull
Entries 54
Mean 103.1
Std Dev 0

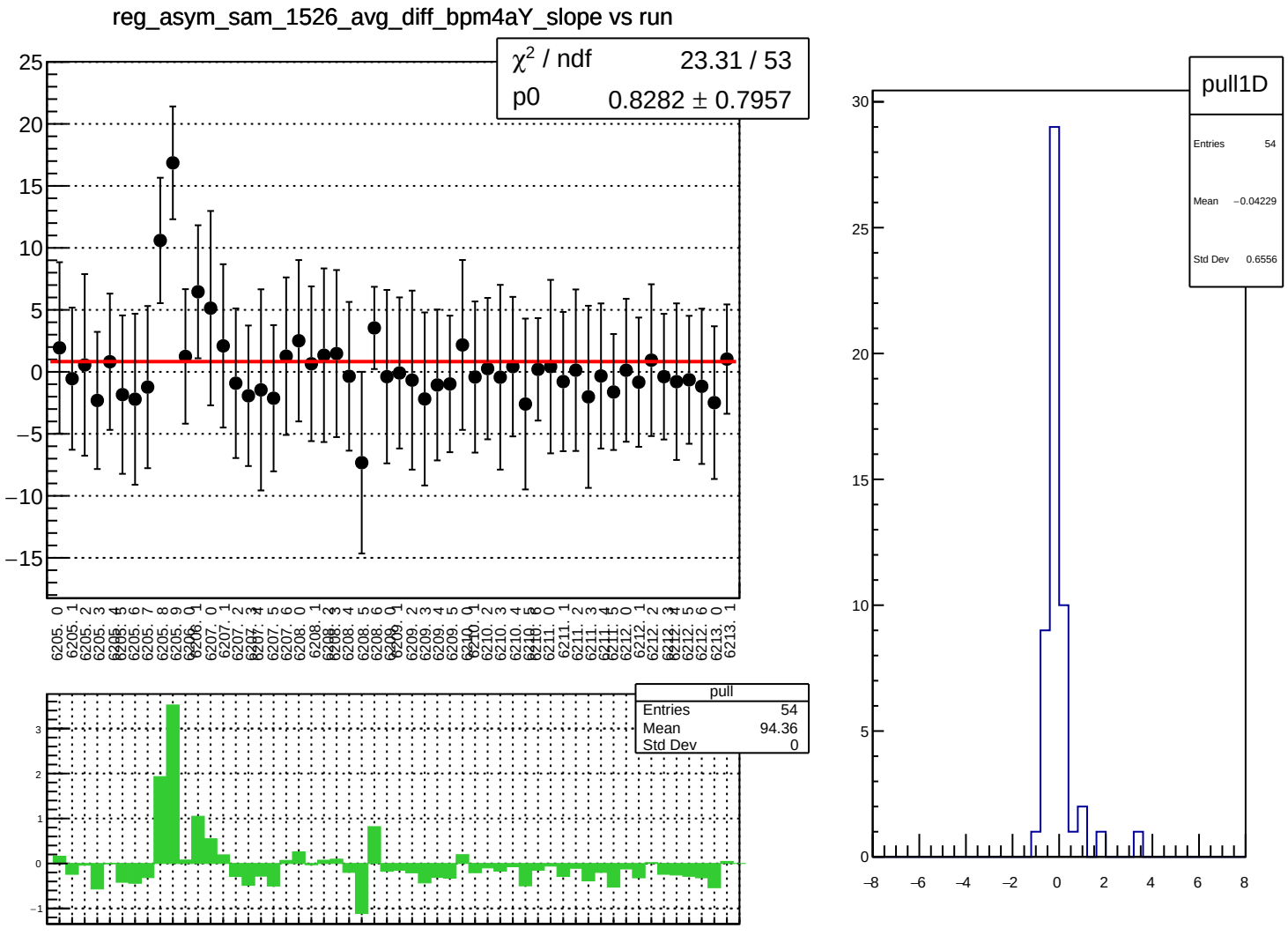

pull1D
Entries 54
Mean 0.03158
Std Dev 0.8911

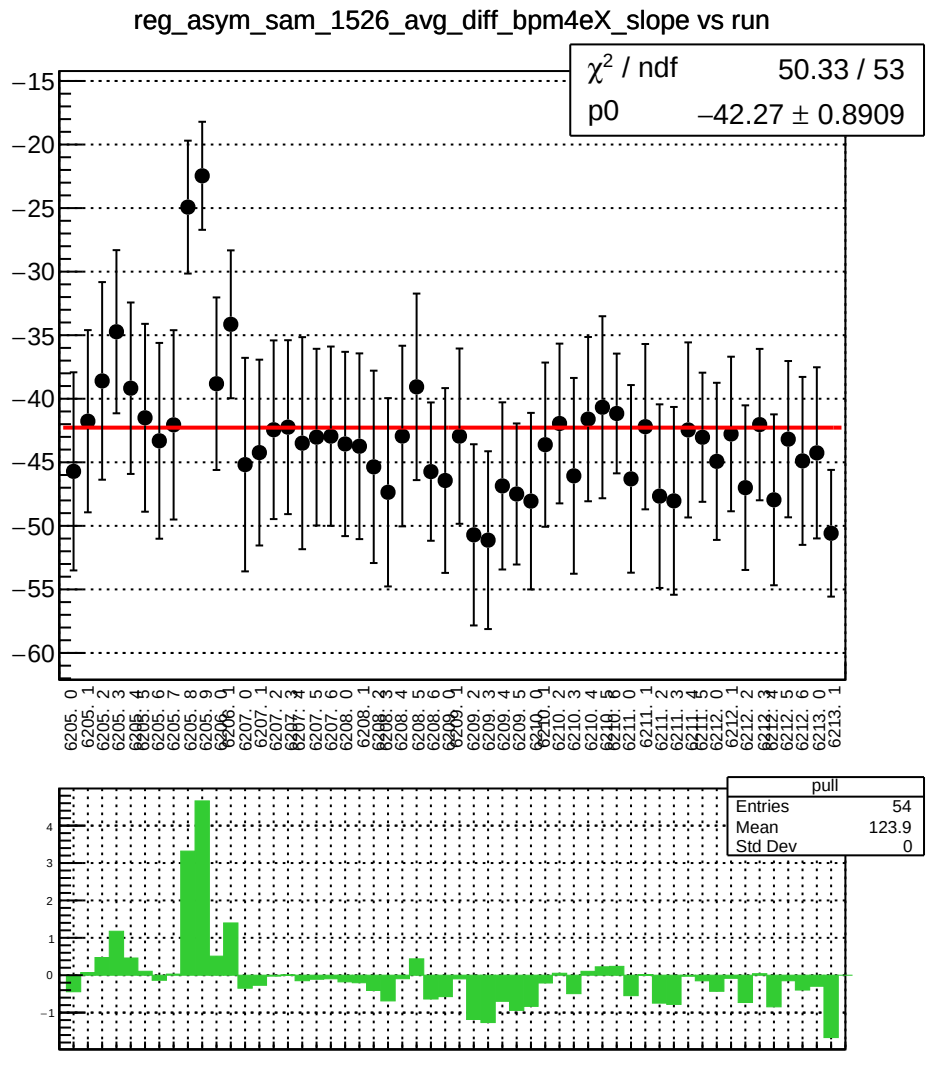

reg_asym_sam_3748_avg_diff_bpm12X_slope vs run
χ² / ndf 43.76 / 53
p0 −1.309 ± 0.157
pull
Entries 54
Mean 282.7
Std Dev 0

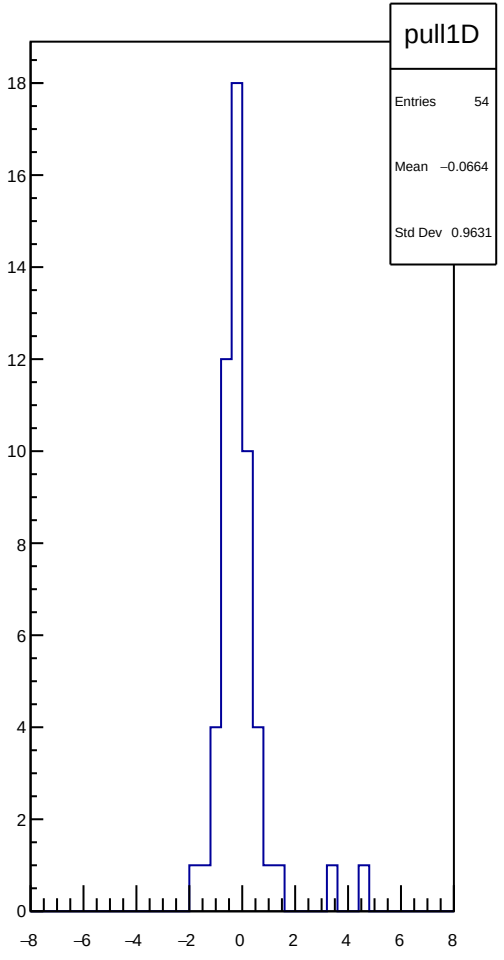

pull1D
Entries 54
Mean 0.0188
Std Dev 0.9

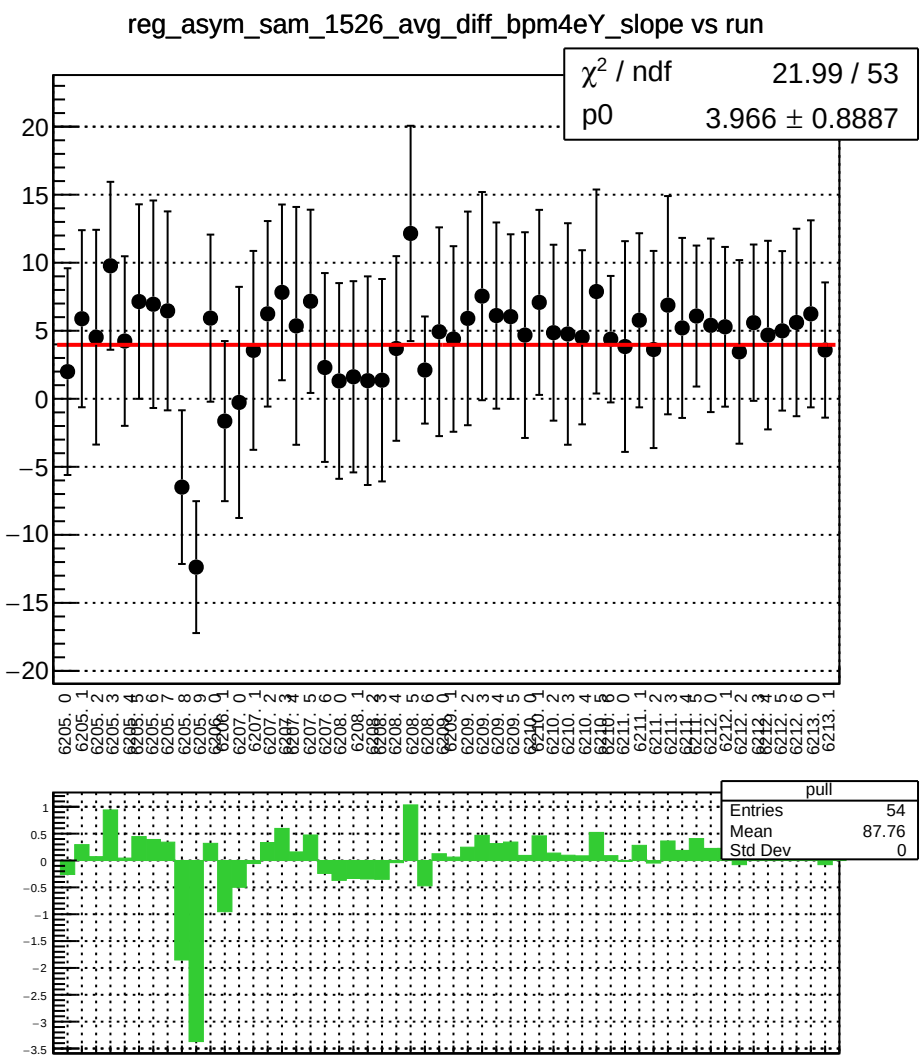

reg_asym_sam_1526_avg_diff_bpm1X_slope vs run
χ² / ndf 58.44 / 53
p0 −0.02155 ± 0.8132
pull
Entries 54
Mean 142.1
Std Dev 0

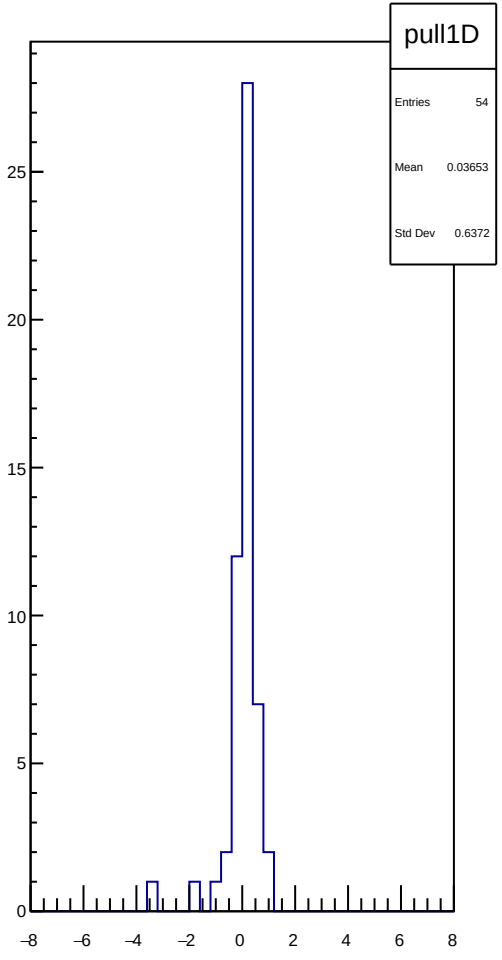

pull1D
Entries 54
Mean 0.06121
Std Dev 1.038

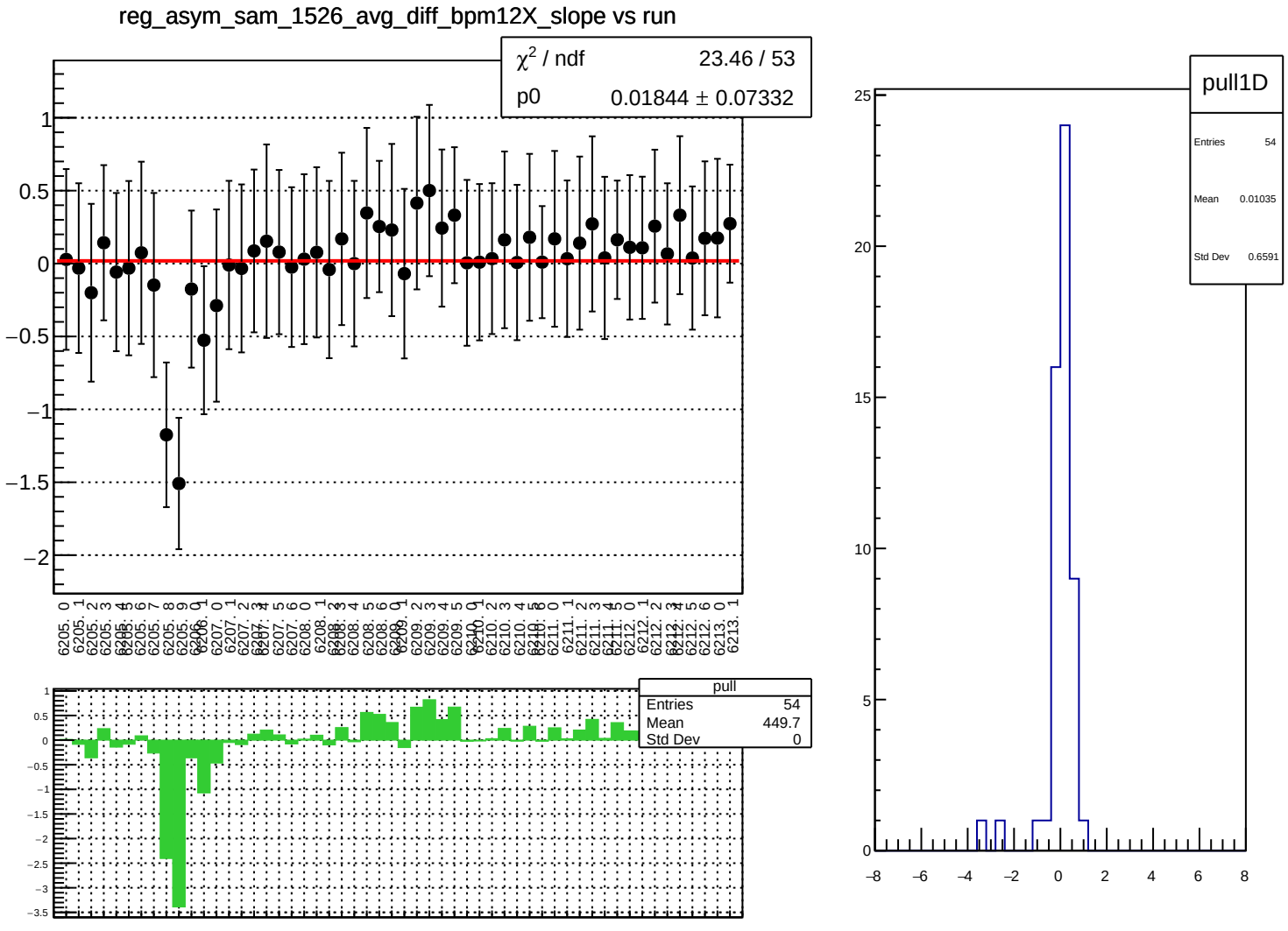

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs run
χ² / ndf 23.31 / 53
p0 0.8282 ± 0.7957
pull
Entries 54
Mean 94.36
Std Dev 0
pull1D
Entries 54
Mean −0.04229
Std Dev 0.6556

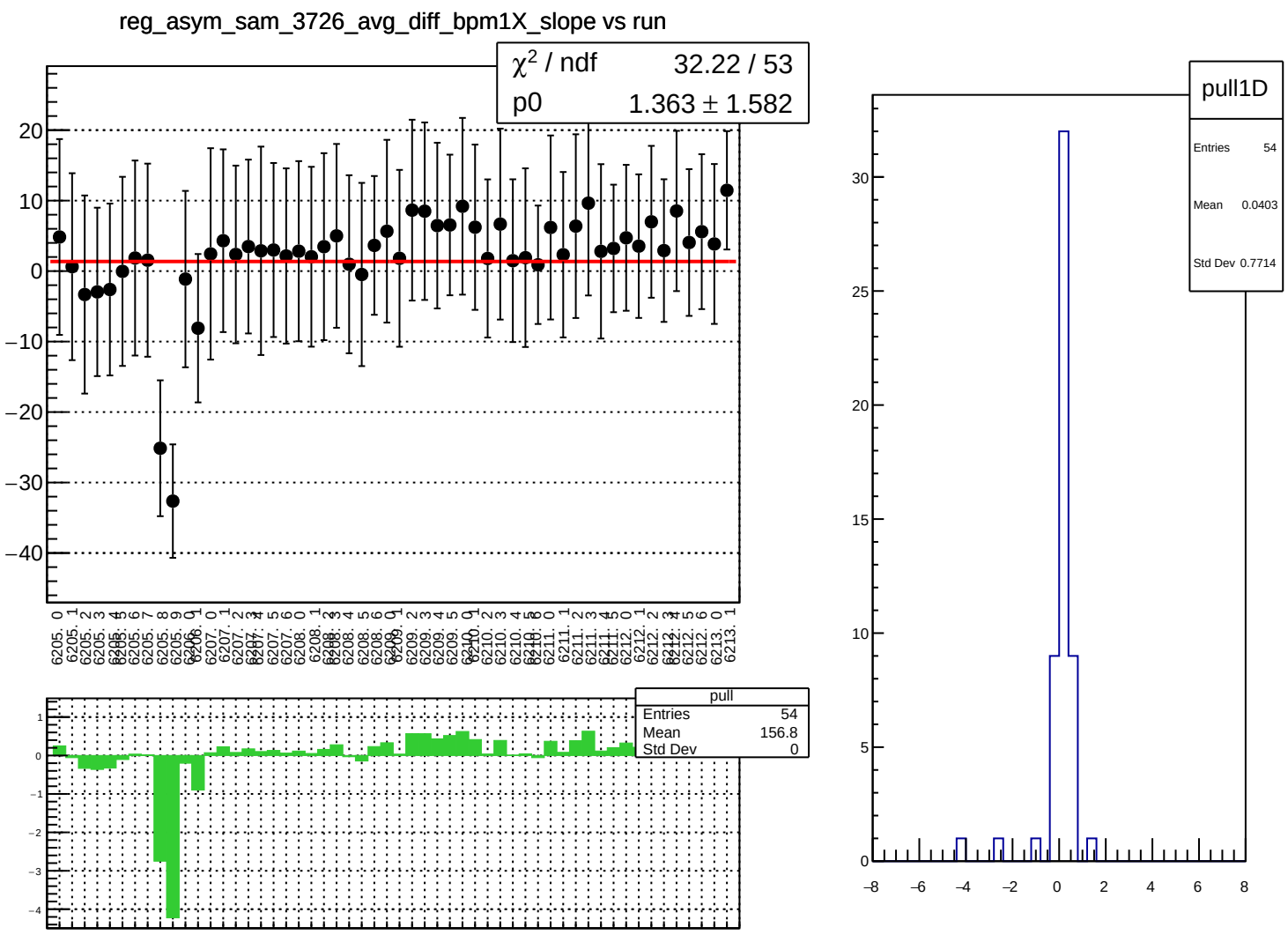

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs run
χ² / ndf 50.33 / 53
p0 −42.27 ± 0.8909
pull
Entries 54
Mean 123.9
Std Dev 0

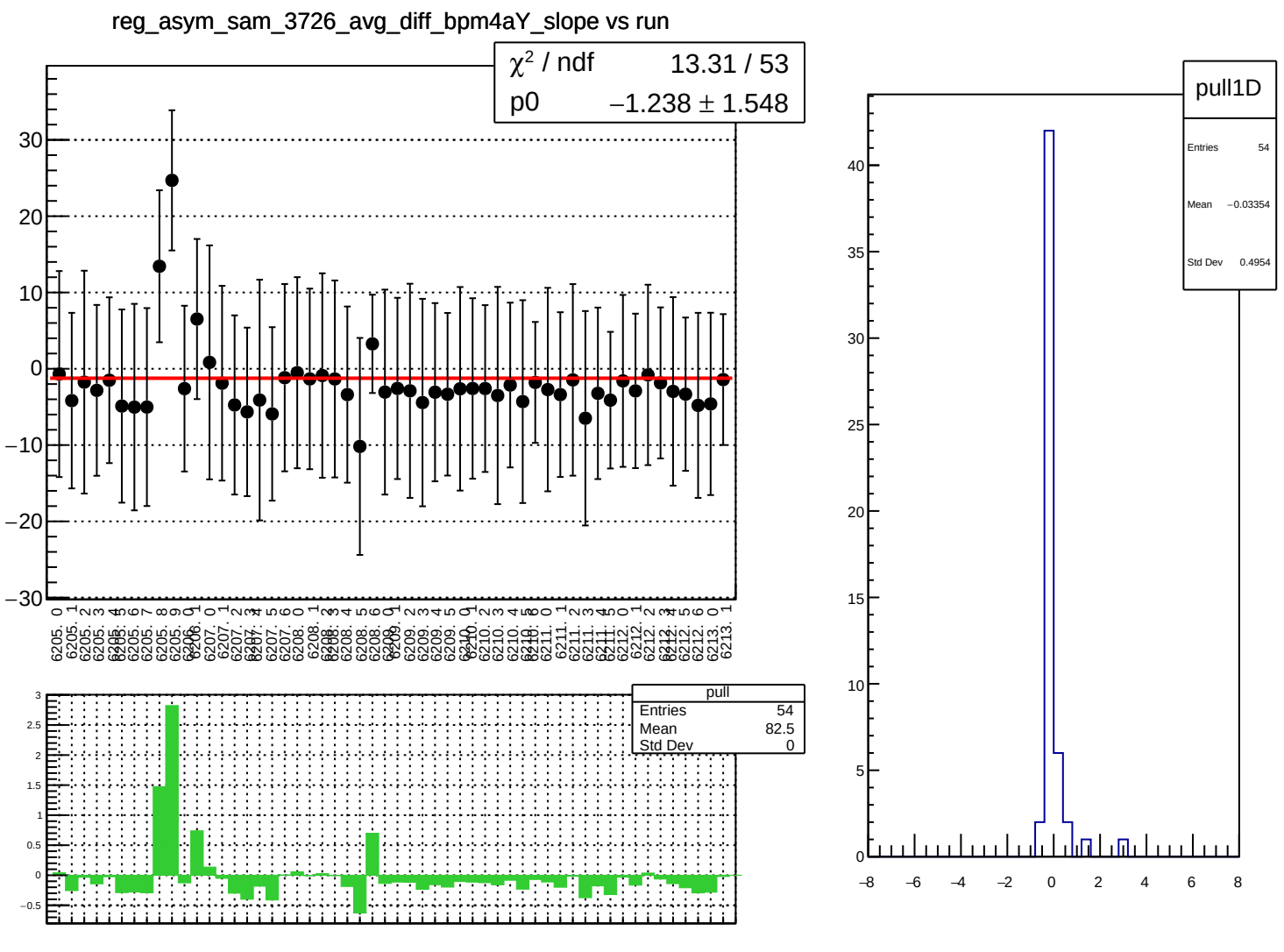

pull1D
Entries 54
Mean −0.0664
Std Dev 0.9631

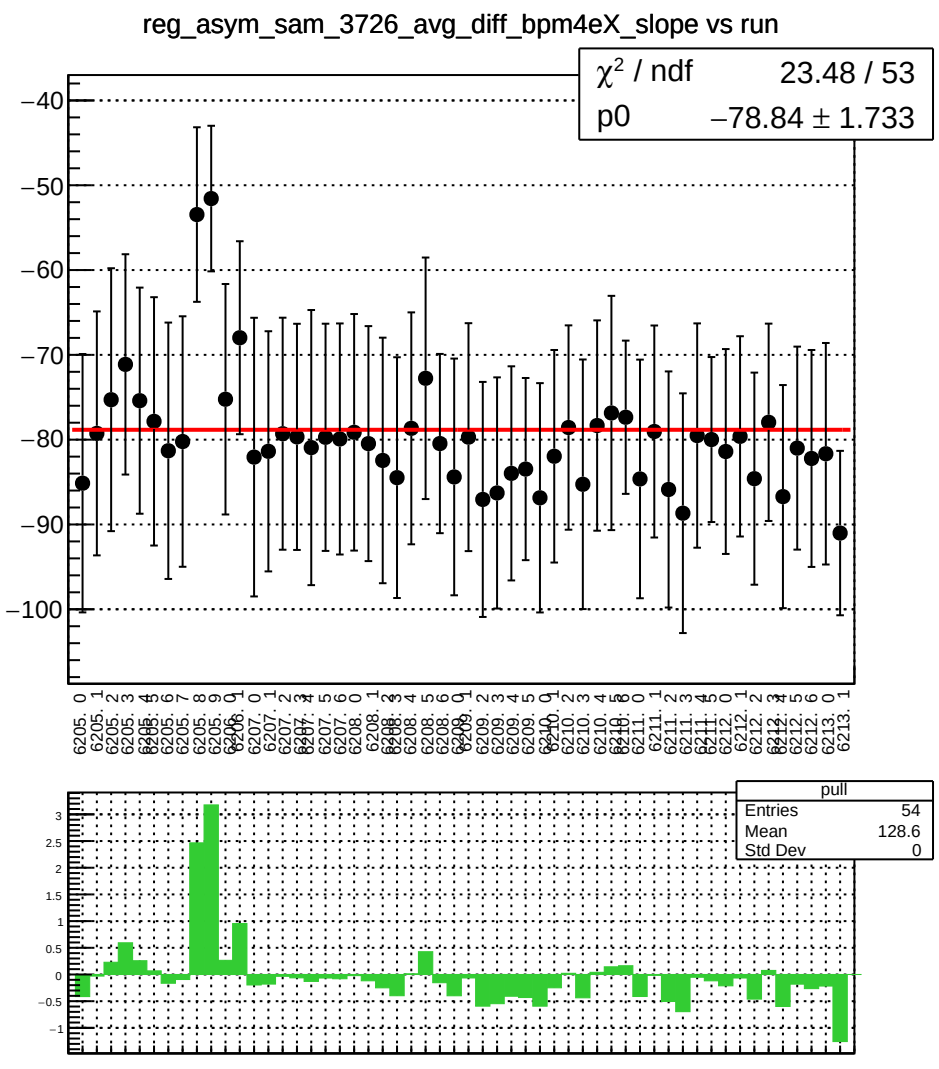

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs run
χ² / ndf 21.99 / 53
p0 3.966 ± 0.8887
pull
Entries 54
Mean 87.76
Std Dev 0

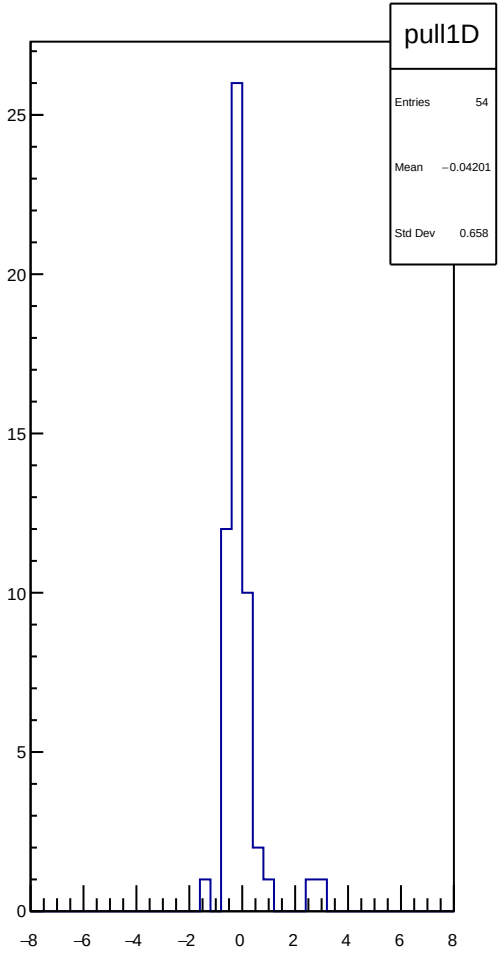

pull1D
Entries 54
Mean 0.03653
Std Dev 0.6372

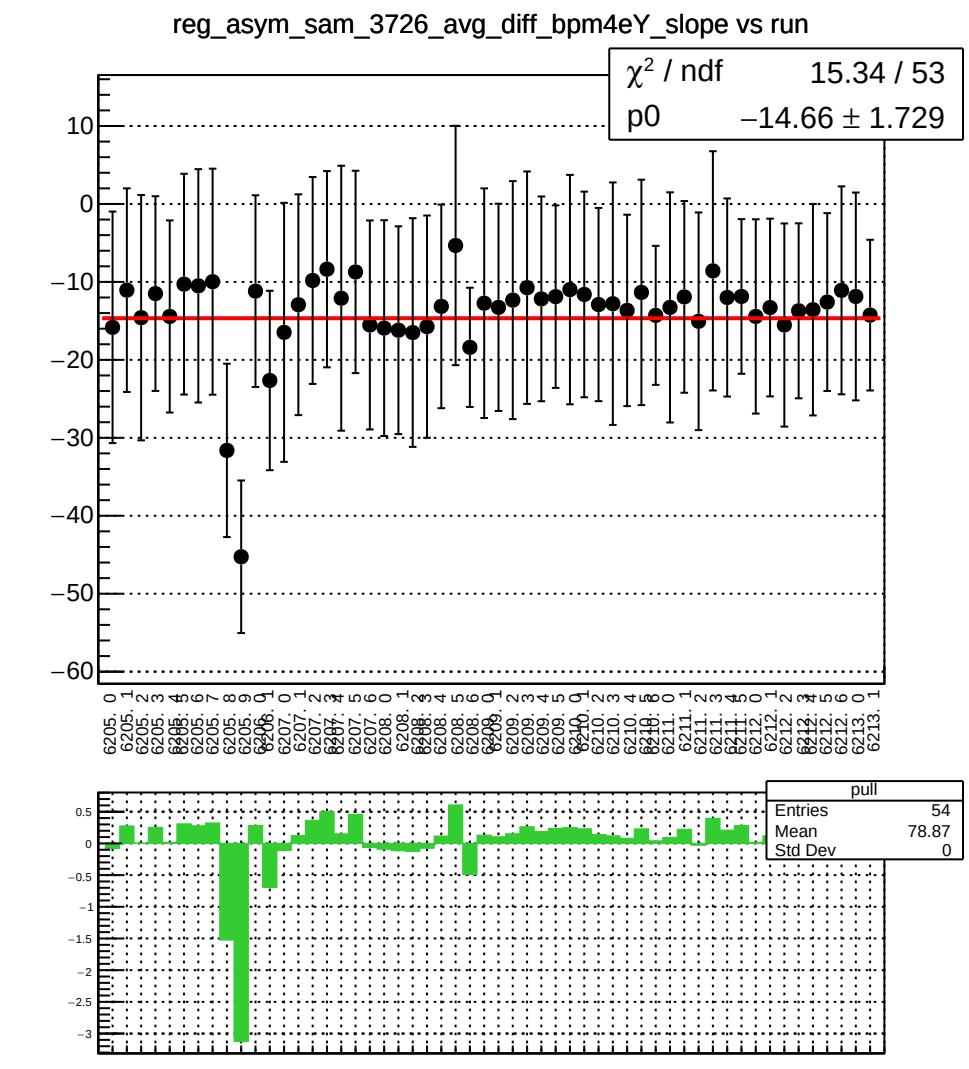

reg_asym_sam_1526_avg_diff_bpm12X_slope vs run
χ² / ndf 23.46 / 53
p0 0.01844 ± 0.07332
pull
Entries 54
Mean 449.7
Std Dev 0
pull1D
Entries 54
Mean 0.01035
Std Dev 0.6591

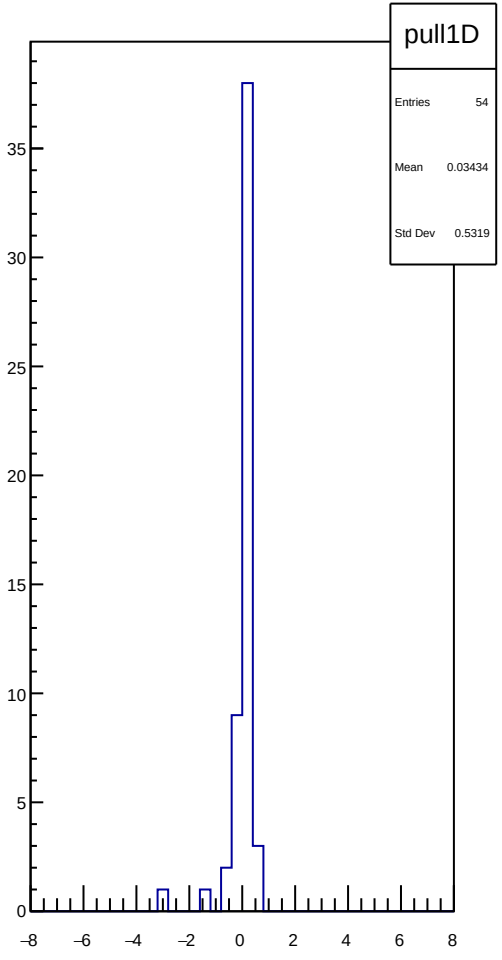

reg_asym_sam_3726_avg_diff_bpm1X_slope vs run
χ² / ndf 32.22 / 53
p0 1.363 ± 1.582
pull
Entries 54
Mean 156.8
Std Dev 0
pull1D
Entries 54
Mean 0.0403
Std Dev 0.7714

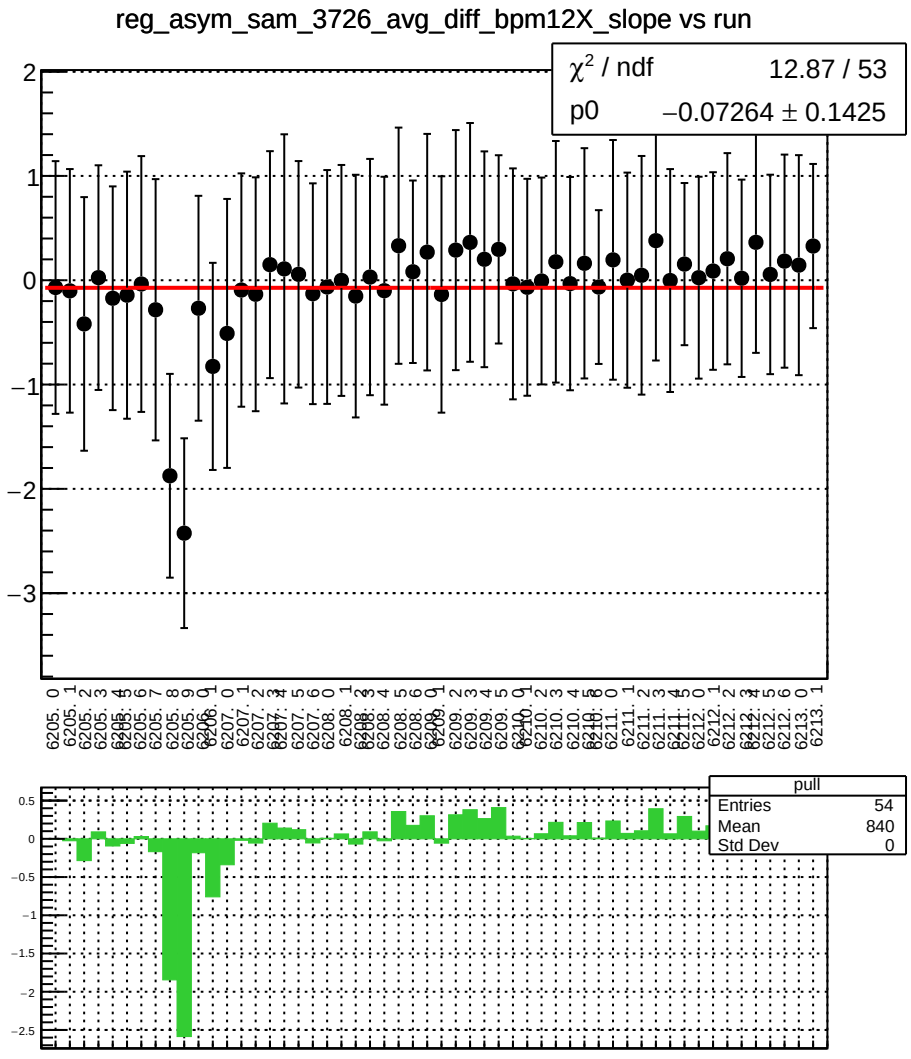

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs run
χ² / ndf 13.31 / 53
p0 −1.238 ± 1.548
pull
Entries 54
Mean 82.5
Std Dev 0
pull1D
Entries 54
Mean −0.03354
Std Dev 0.4954

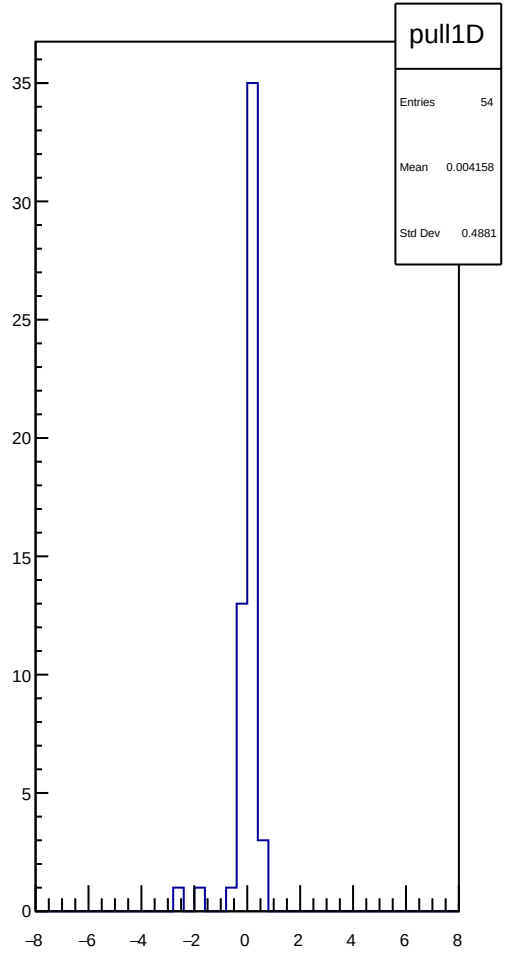

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs run
χ² / ndf 23.48 / 53
p0 −78.84 ± 1.733
pull
Entries 54
Mean 128.6
Std Dev 0

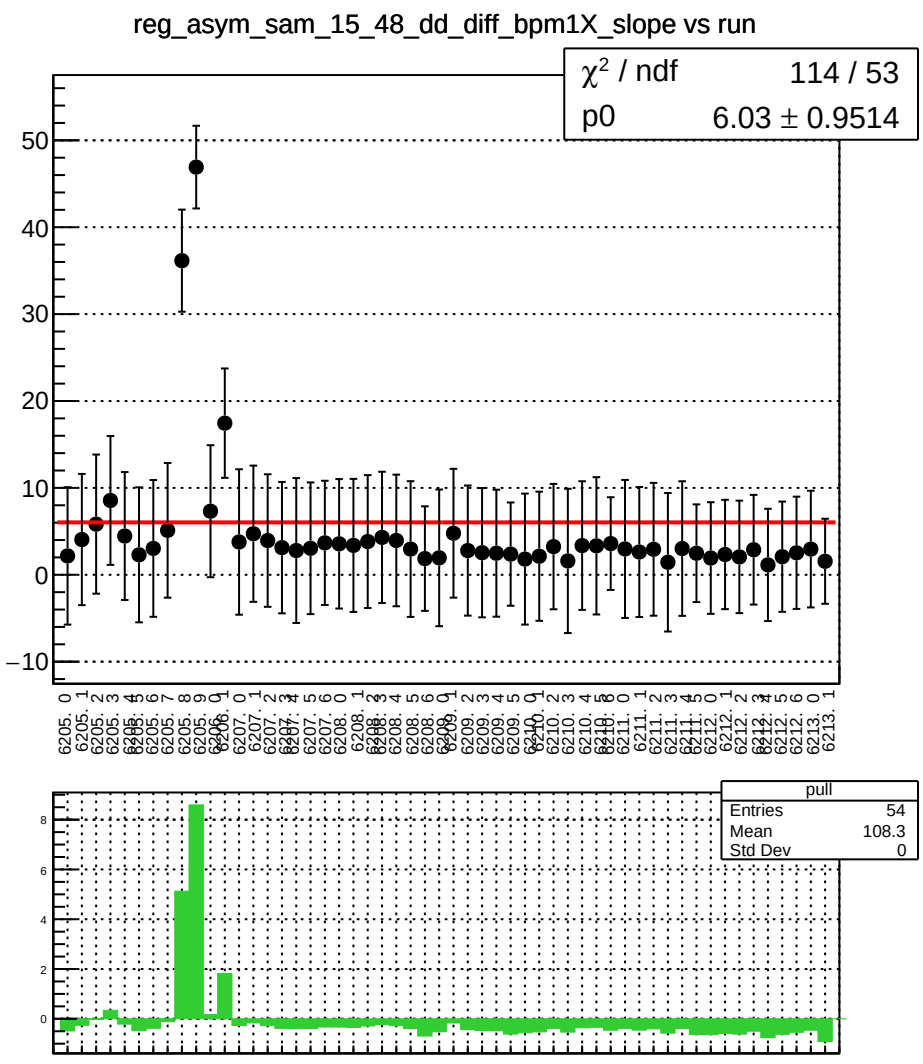

pull1D
Entries 54
Mean −0.04201
Std Dev 0.658

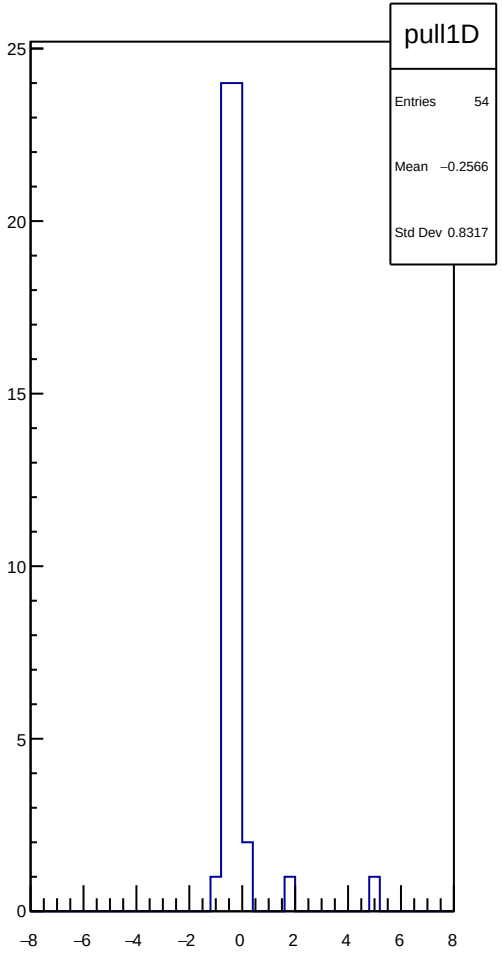

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs run
χ² / ndf 15.34 / 53
p0 −14.66 ± 1.729
pull
Entries 54
Mean 78.87
Std Dev 0

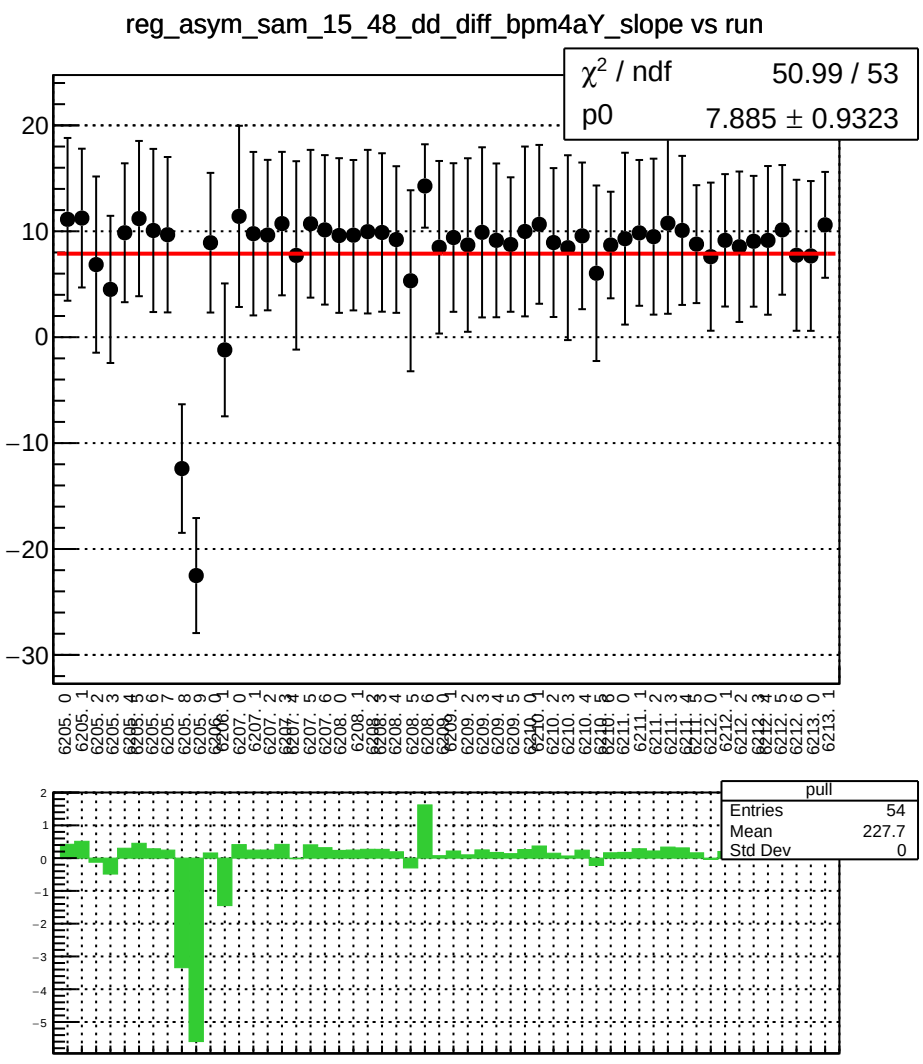

pull1D
Entries 54
Mean 0.03434
Std Dev 0.5319

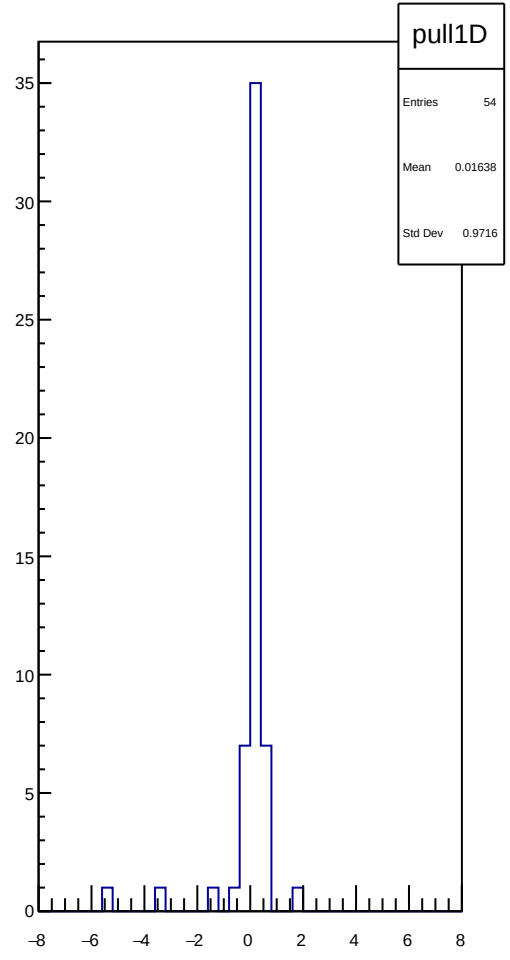

reg_asym_sam_3726_avg_diff_bpm12X_slope vs run
χ² / ndf 12.87 / 53
p0 −0.07264 ± 0.1425
pull
Entries 54
Mean 840
Std Dev 0

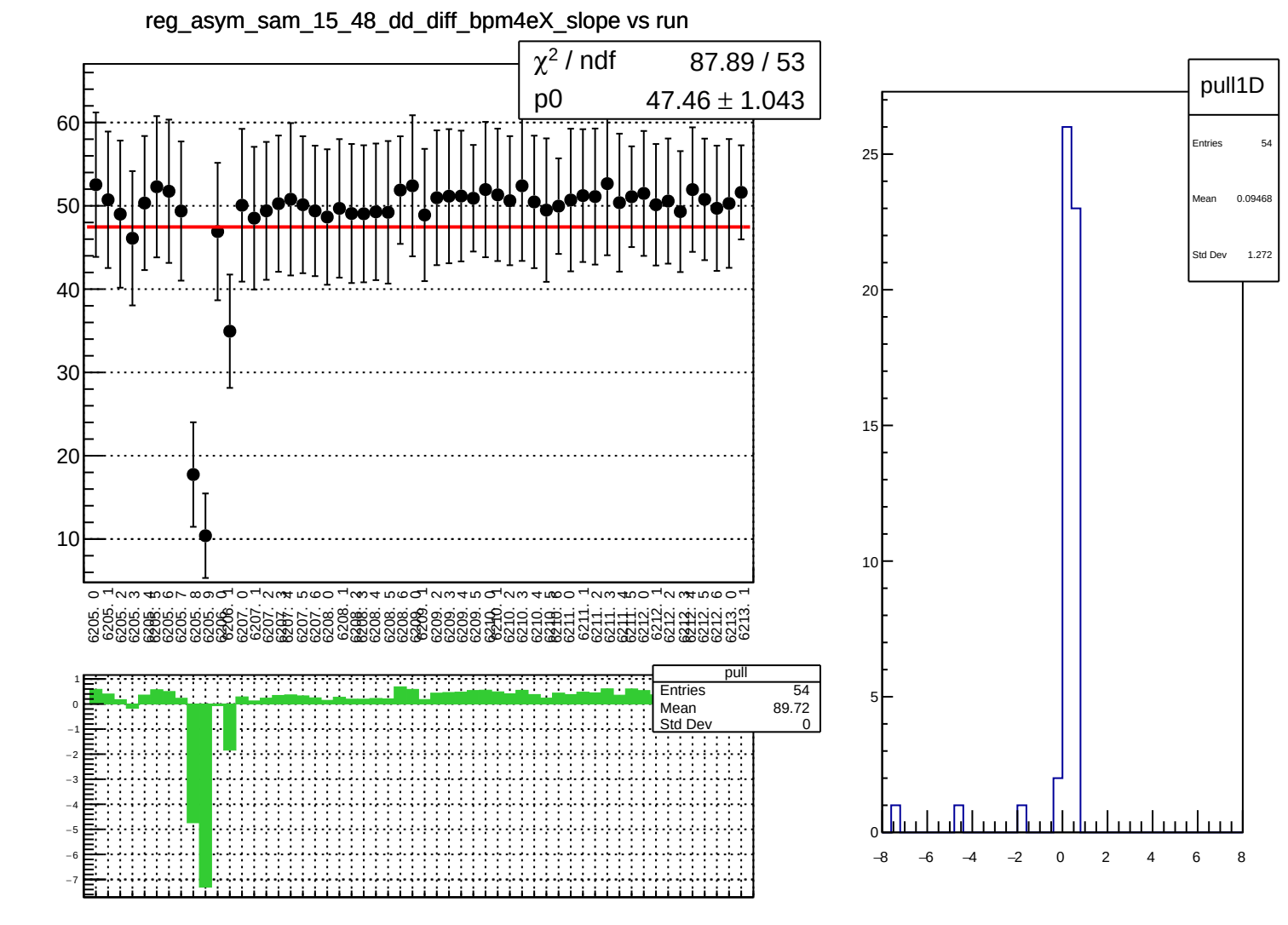

pull1D
Entries 54
Mean 0.004158
Std Dev 0.4881

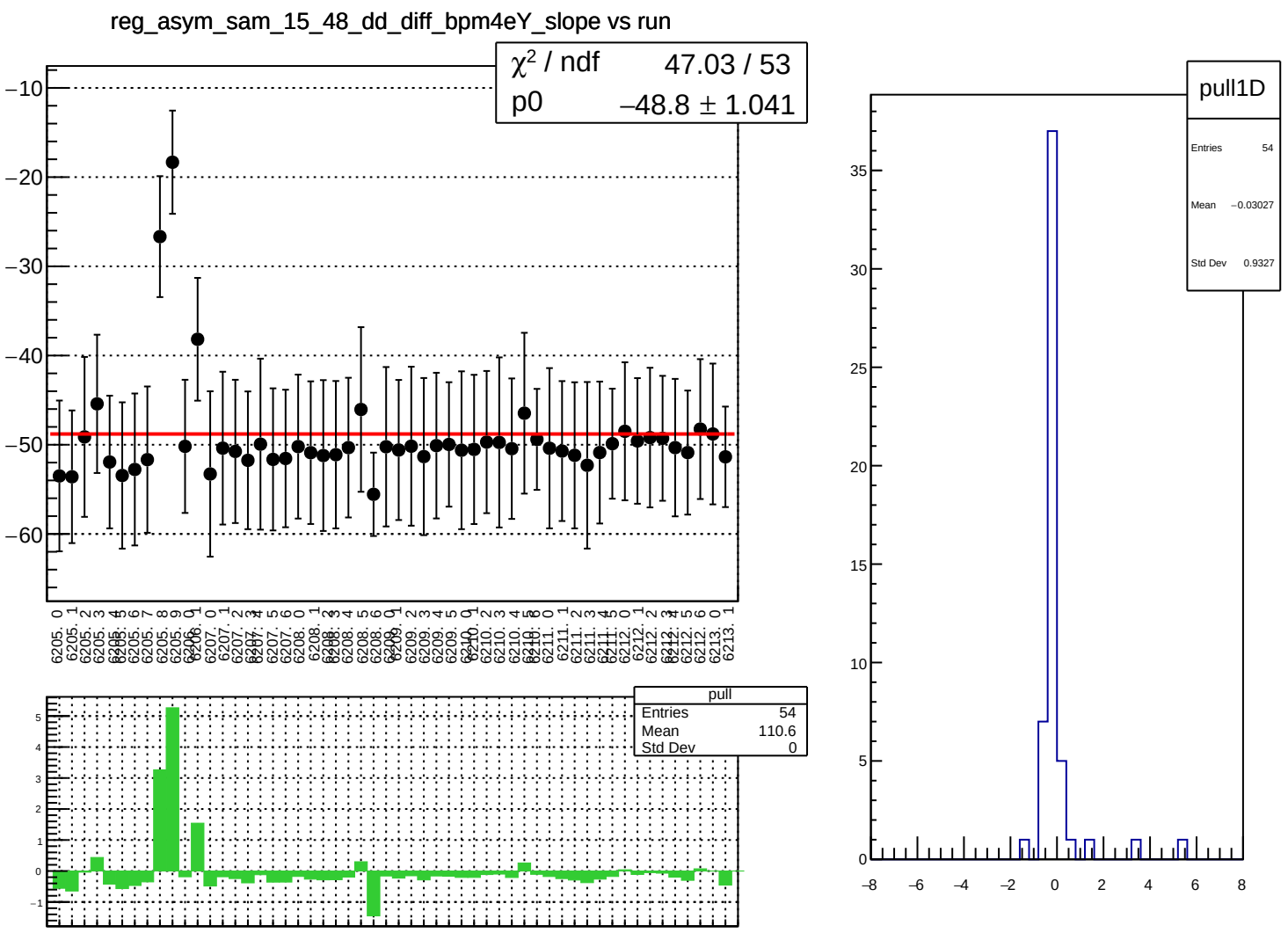

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs run
χ² / ndf 114 / 53
p0 6.03 ± 0.9514
pull
Entries 54
Mean 108.3
Std Dev 0

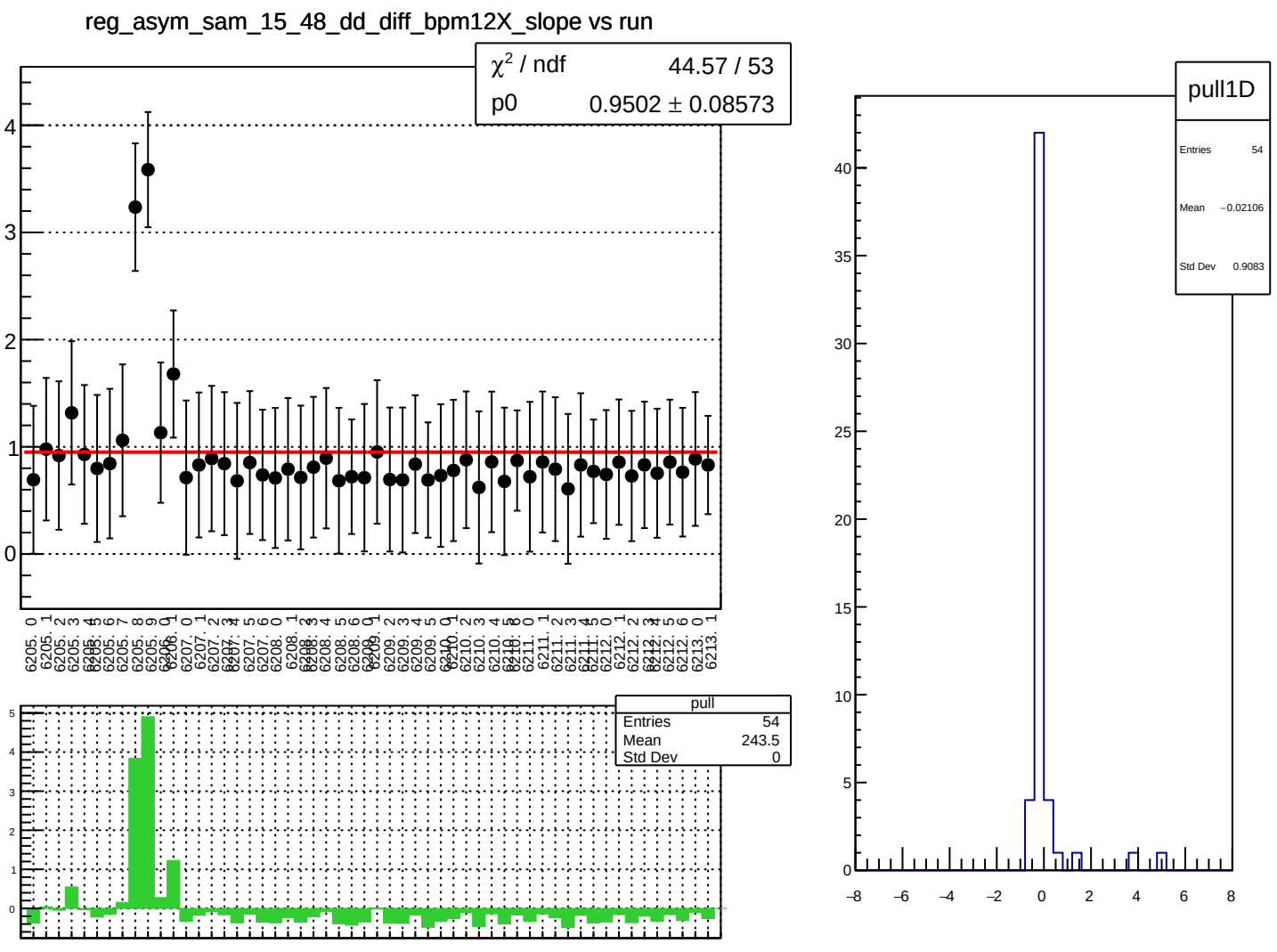

pull1D
Entries 54
Mean −0.2566
Std Dev 0.8317

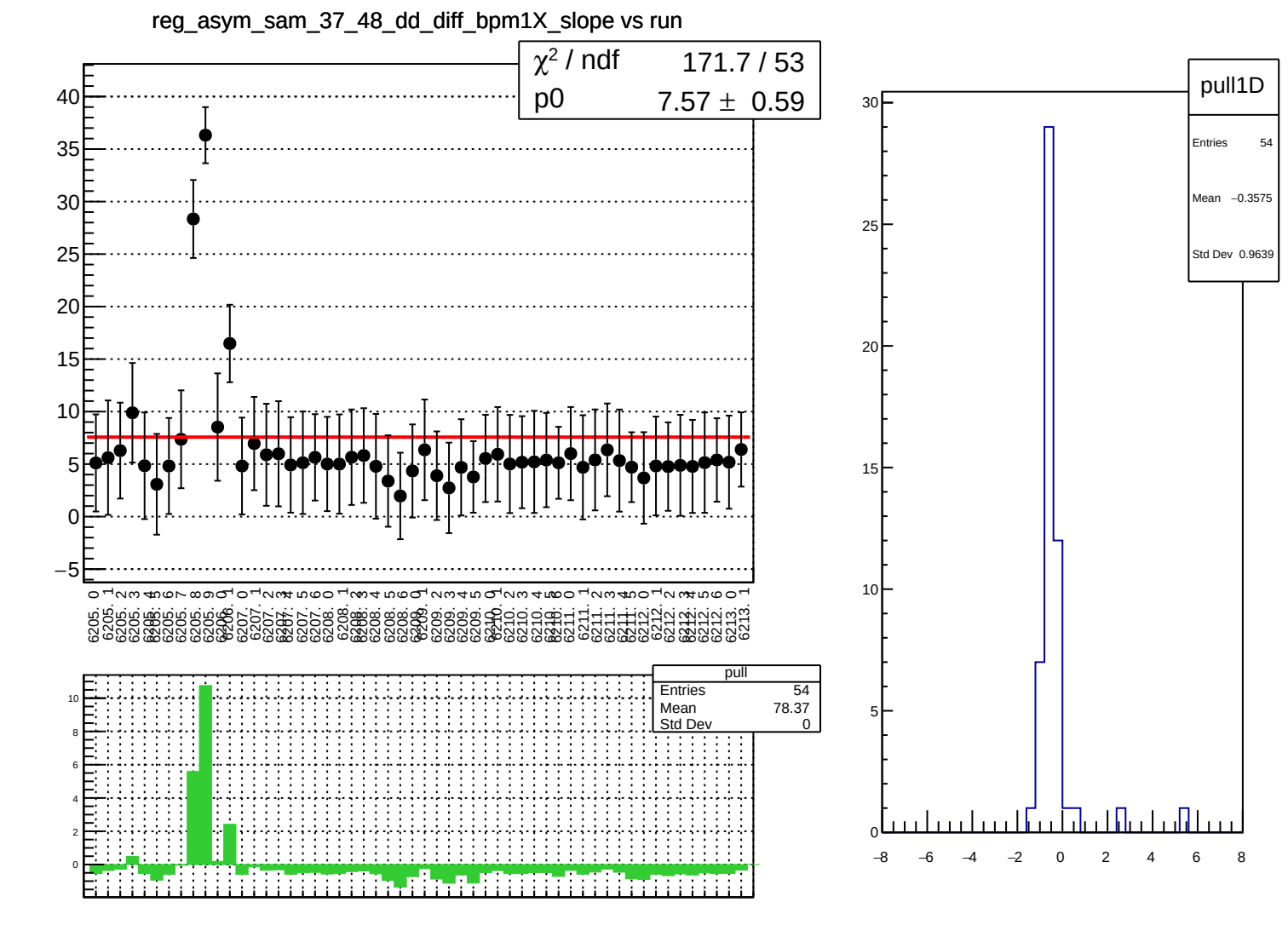

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 50.99 / 53
p0 7.885 ± 0.9323
pull
Entries 54
Mean 227.7
Std Dev 0

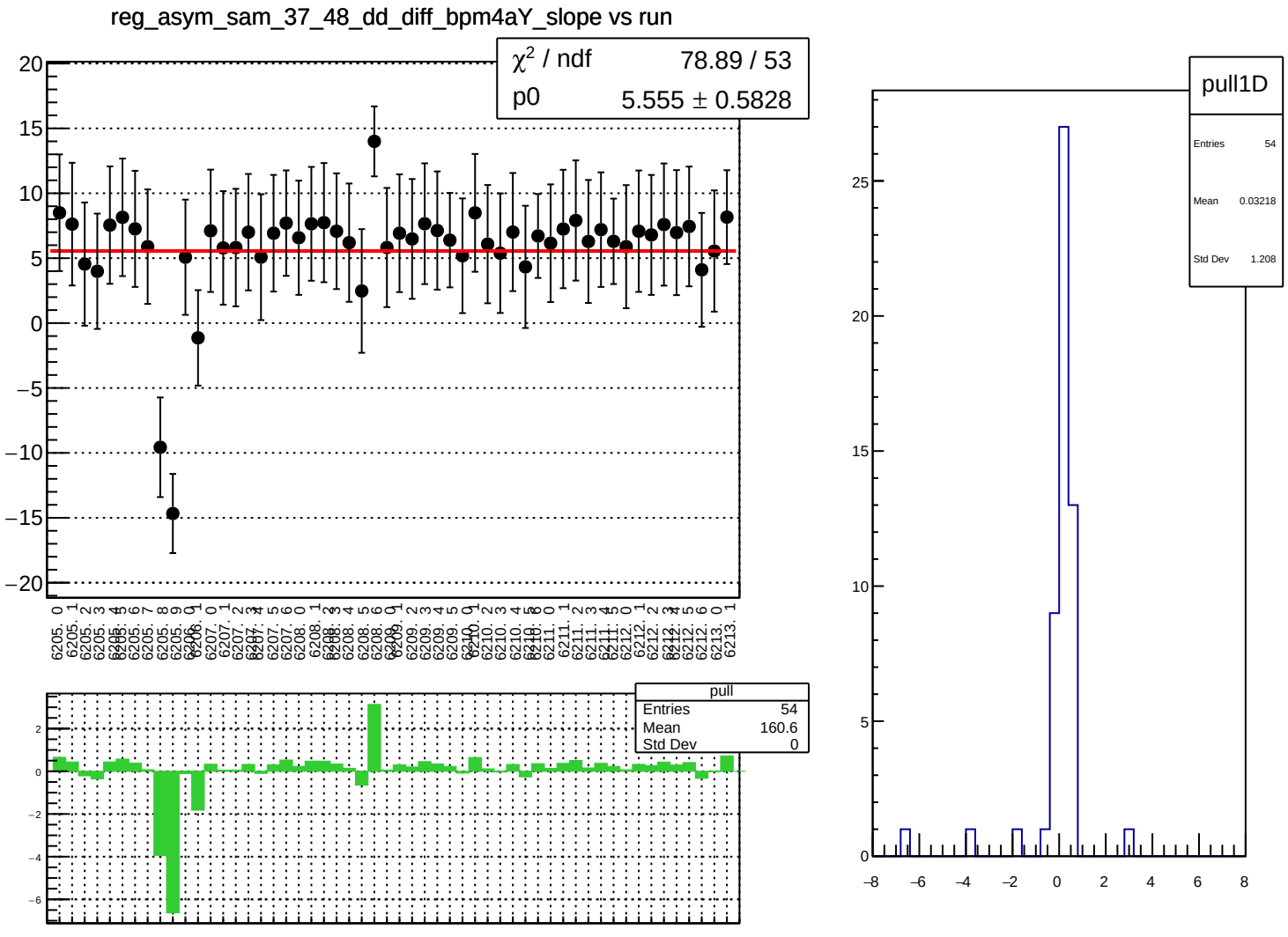

pull1D
Entries 54
Mean 0.01638
Std Dev 0.9716

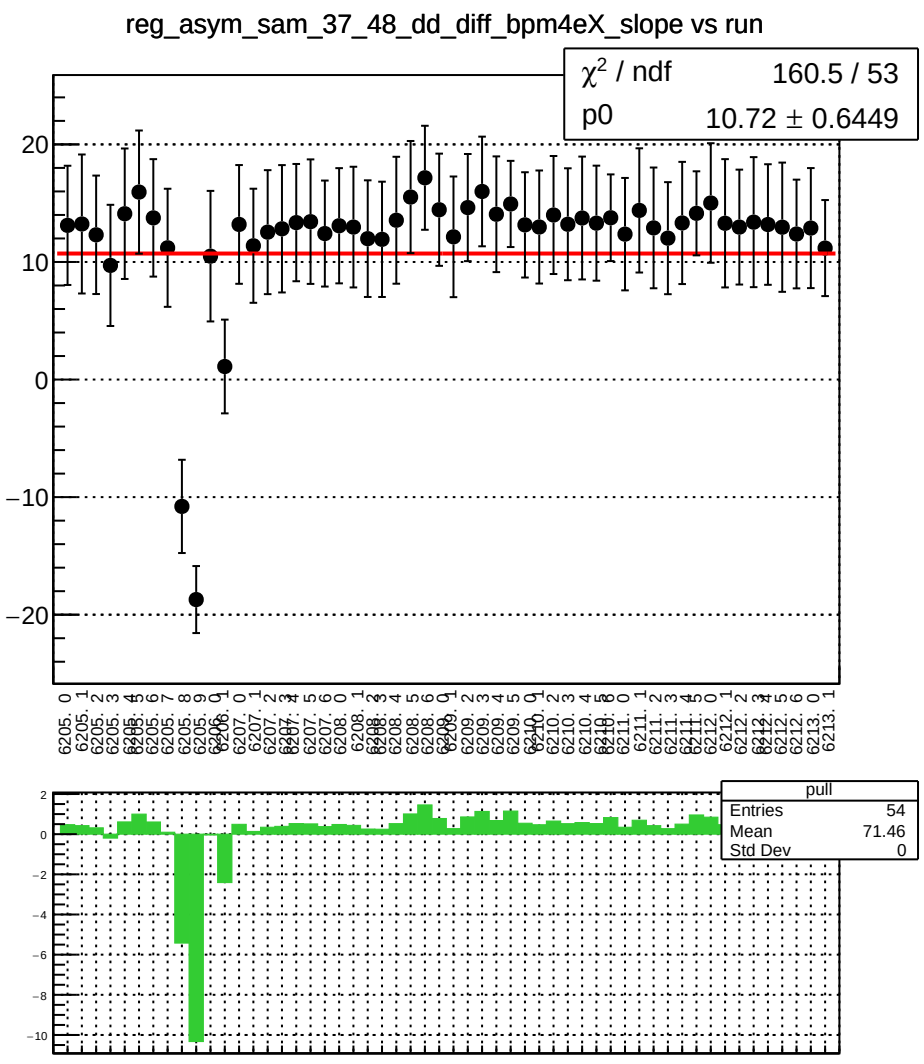

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 87.89 / 53
p0 47.46 ± 1.043
pull
Entries 54
Mean 89.72
Std Dev 0
pull1D
Entries 54
Mean 0.09468
Std Dev 1.272

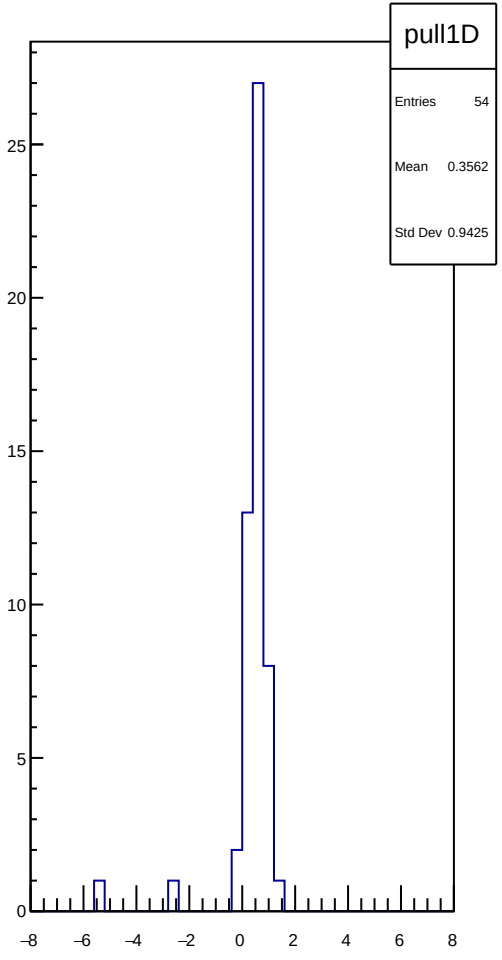

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 47.03 / 53
p0 −48.8 ± 1.041
pull
Entries 54
Mean 110.6
Std Dev 0
pull1D
Entries 54
Mean −0.03027
Std Dev 0.9327

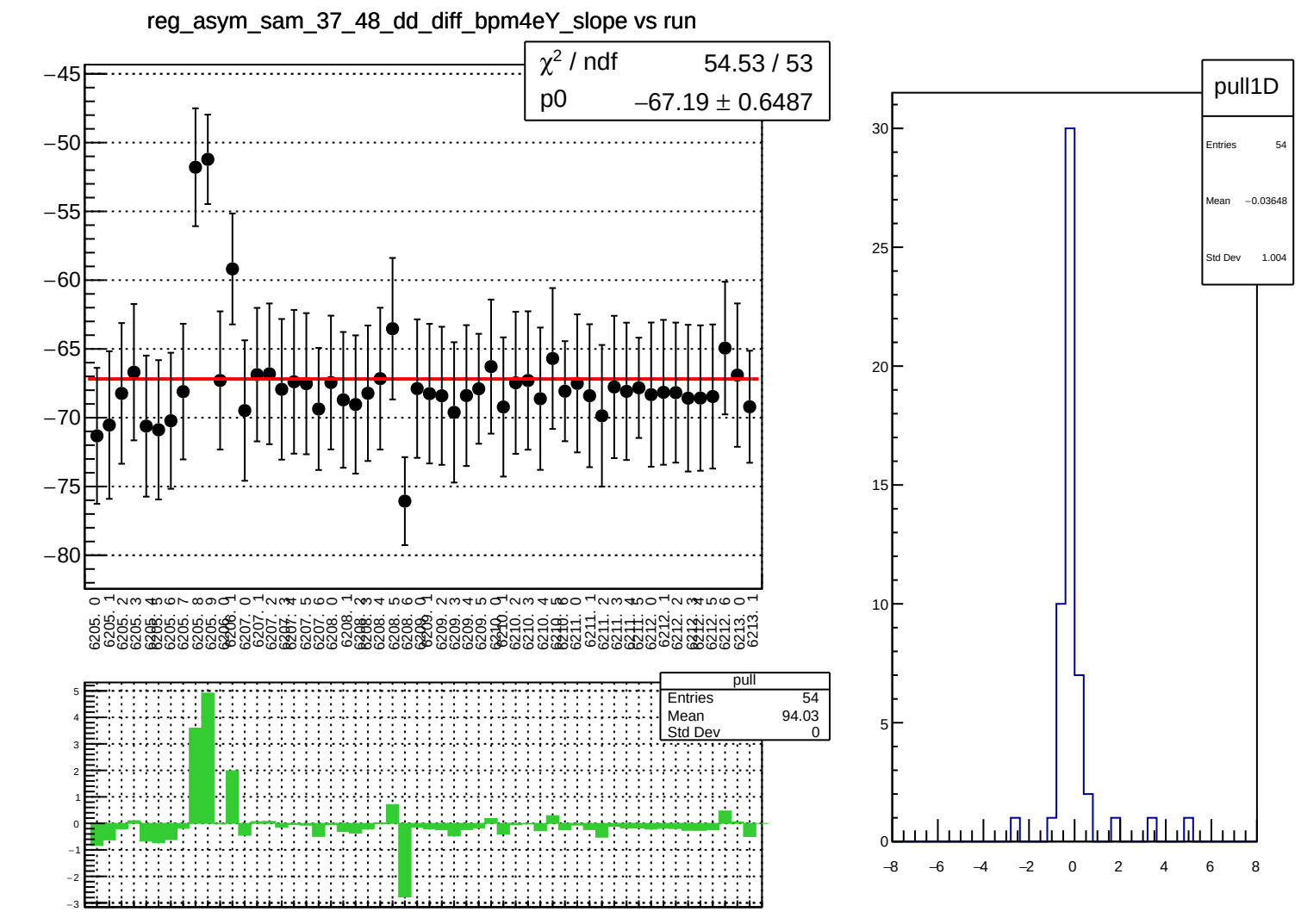

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs run
χ² / ndf 44.57 / 53
p0 0.9502 ± 0.08573
pull
Entries 54
Mean 243.5
Std Dev 0
pull1D
Entries 54
Mean −0.02106
Std Dev 0.9083

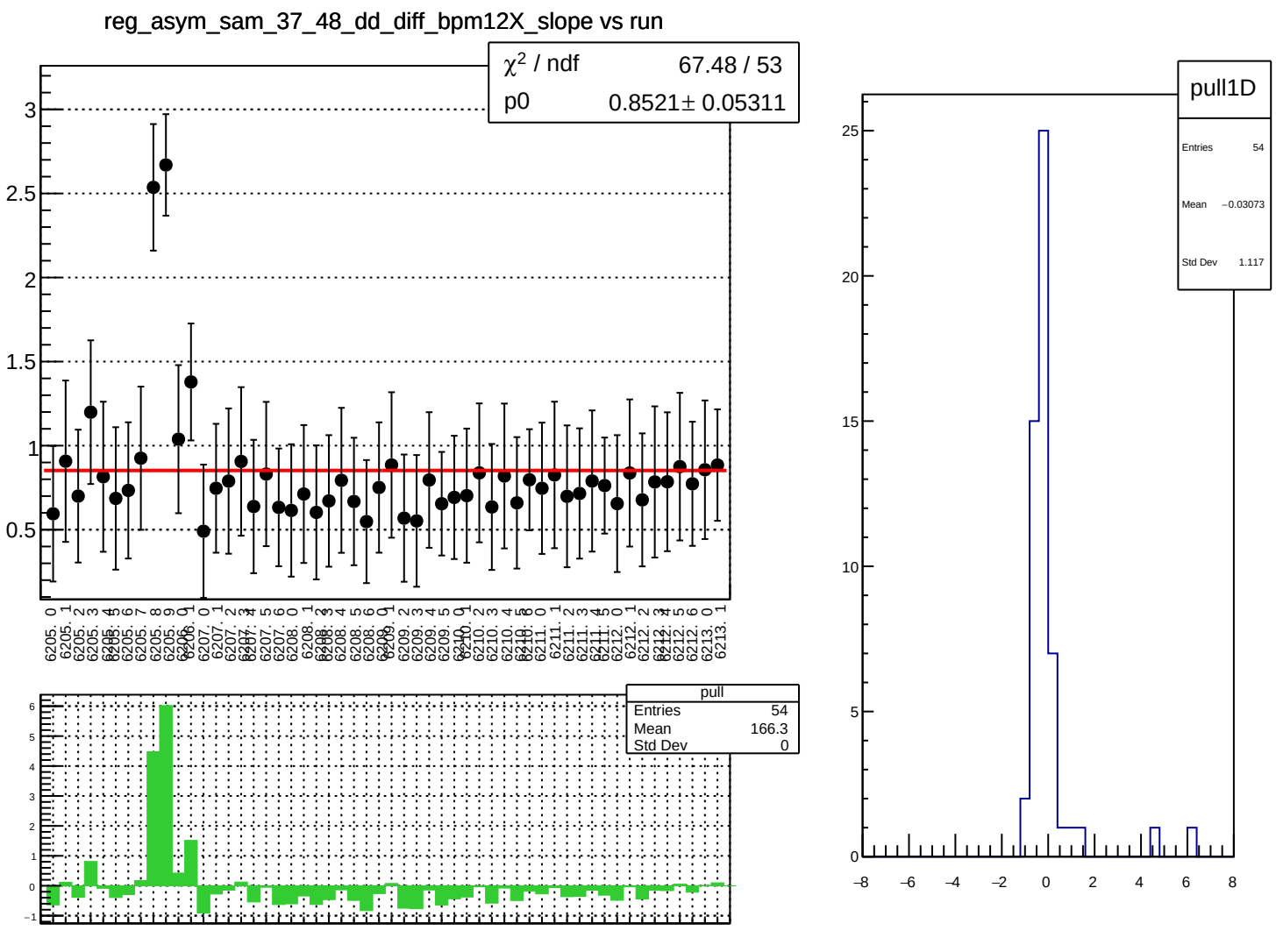

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs run
χ² / ndf 171.7 / 53
p0 7.57 ± 0.59
pull
Entries 54
Mean 78.37
Std Dev 0
pull1D
Entries 54
Mean −0.3575
Std Dev 0.9639

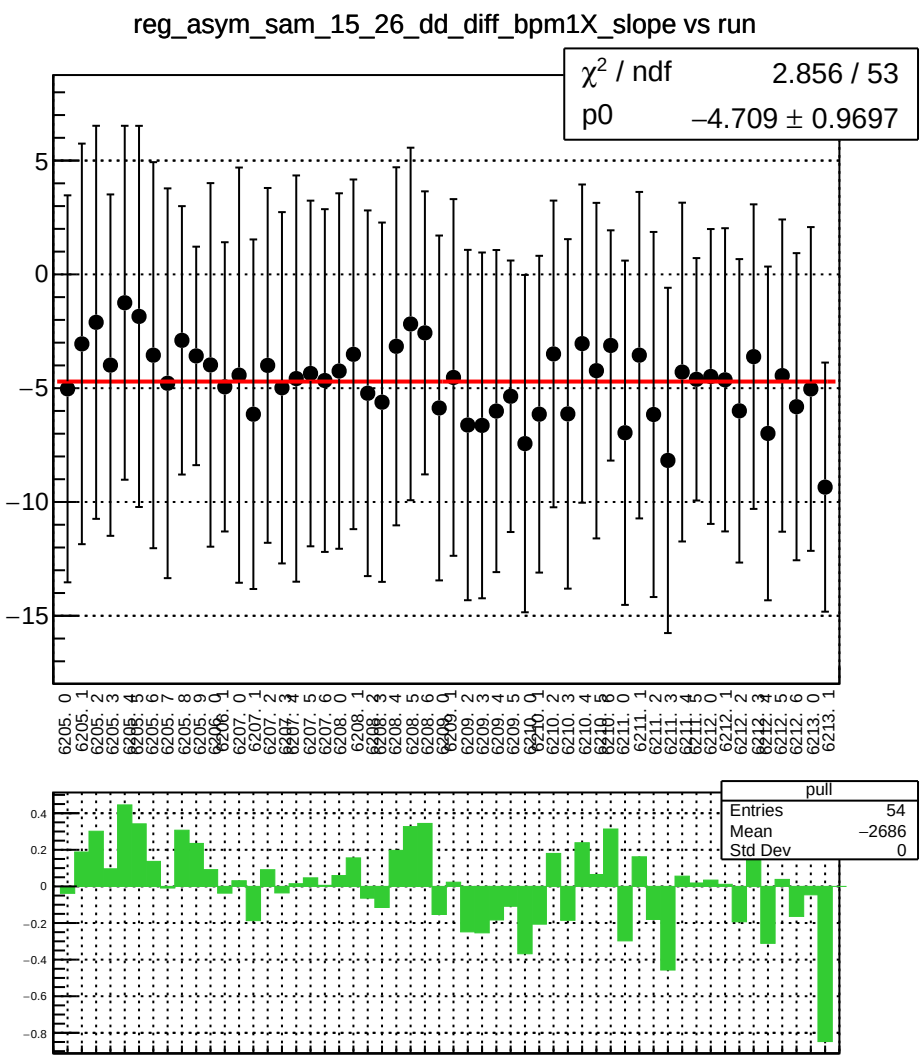

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 78.89 / 53
p0 5.555 ± 0.5828
pull
Entries 54
Mean 160.6
Std Dev 0
pull1D
Entries 54
Mean 0.03218
Std Dev 1.208

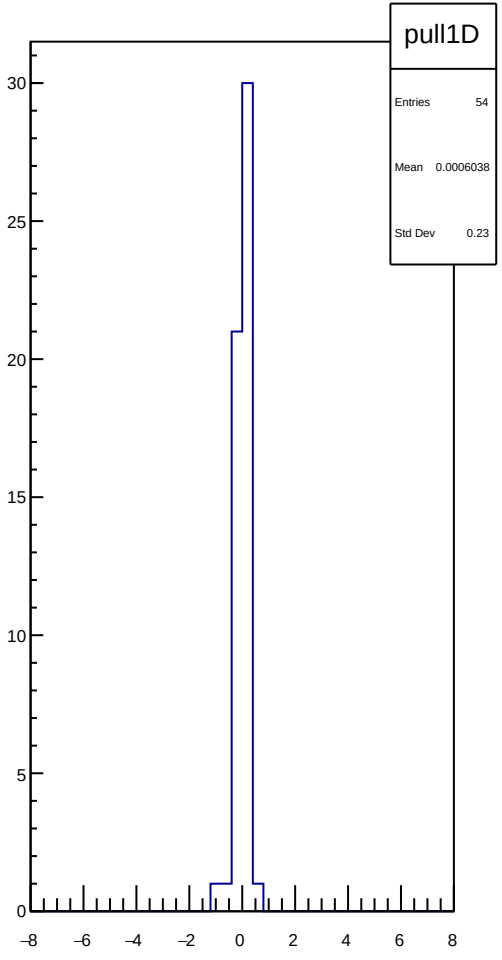

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 160.5 / 53
p0 10.72 ± 0.6449
pull
Entries 54
Mean 71.46
Std Dev 0

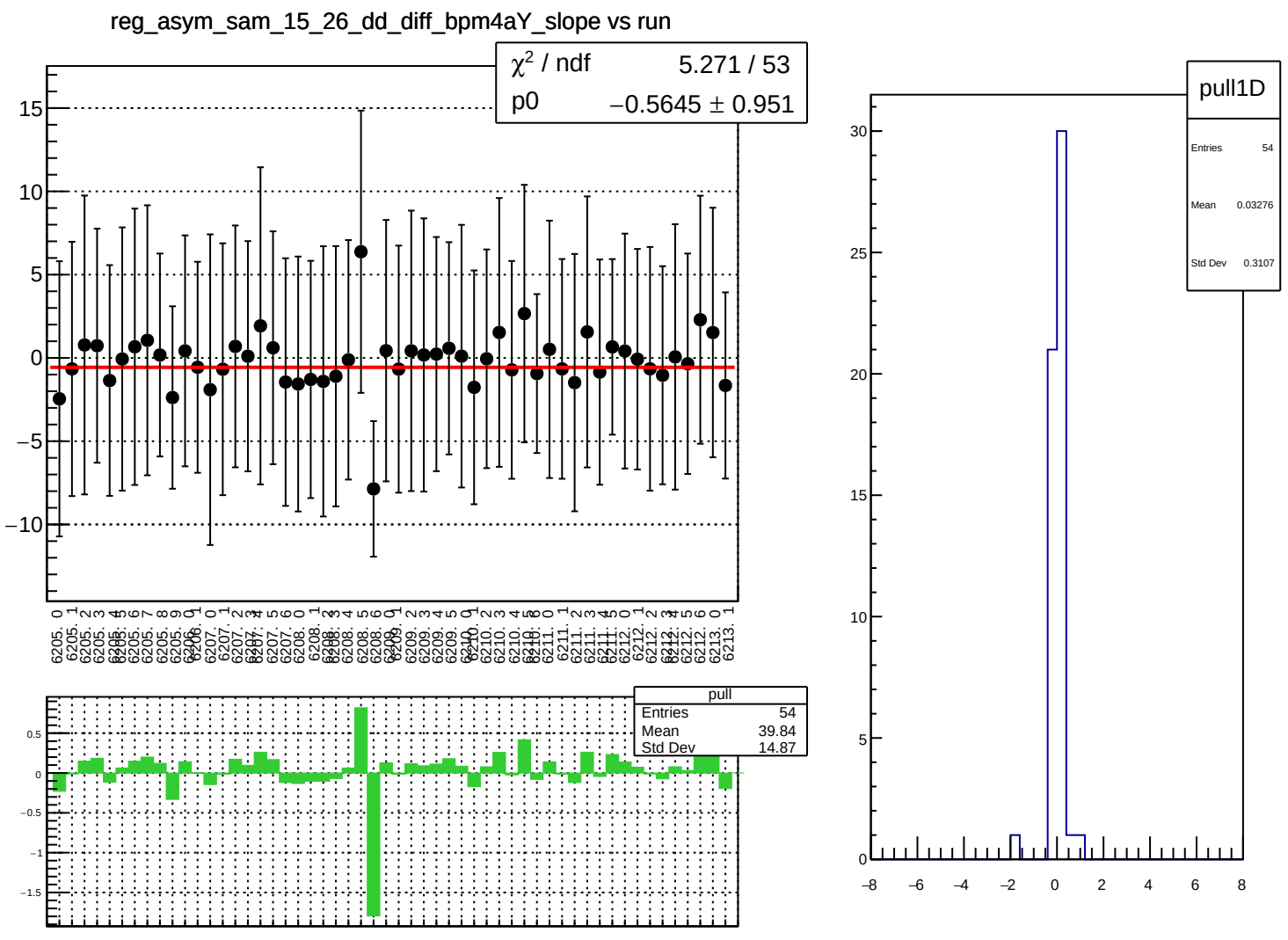

pull1D
Entries 54
Mean 0.3562
Std Dev 0.9425

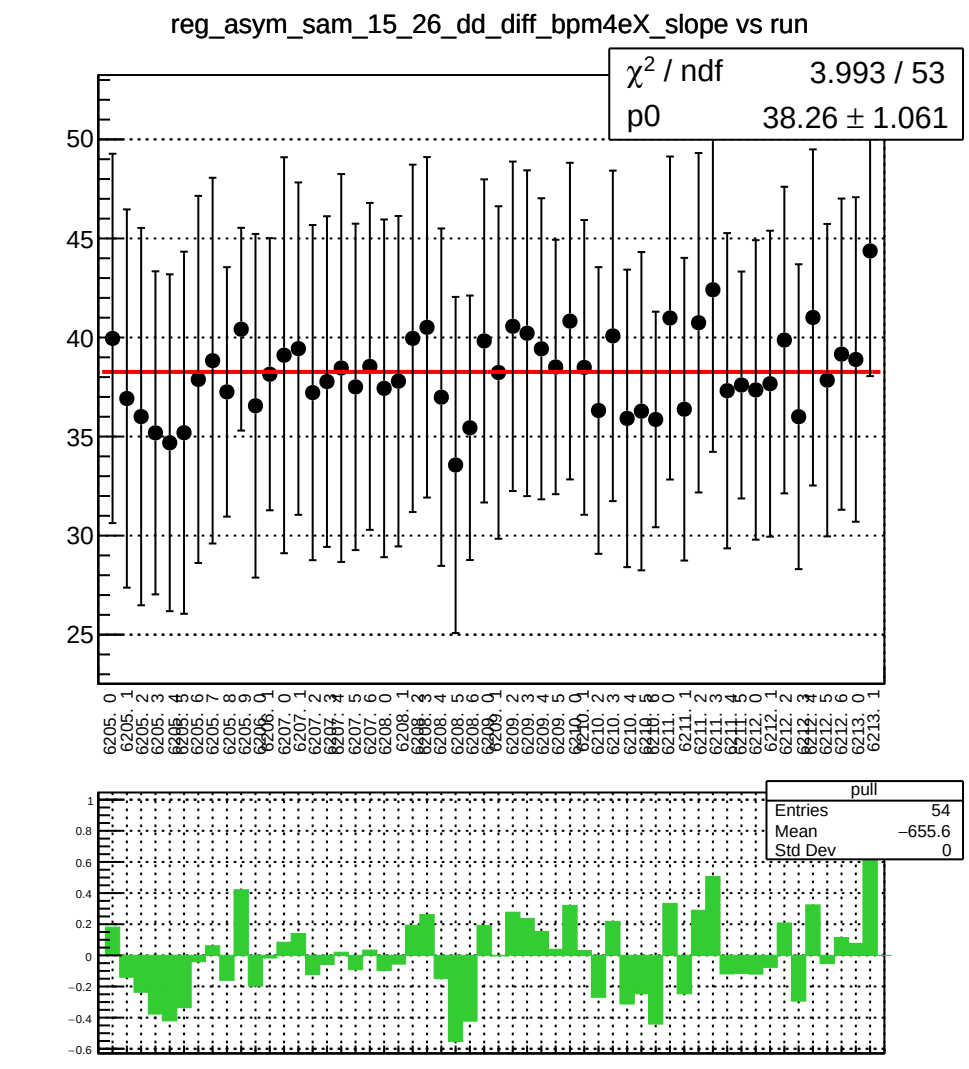

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 54.53 / 53
p0 −67.19 ± 0.6487
pull
Entries 54
Mean 94.03
Std Dev 0
pull1D
Entries 54
Mean −0.03648
Std Dev 1.004

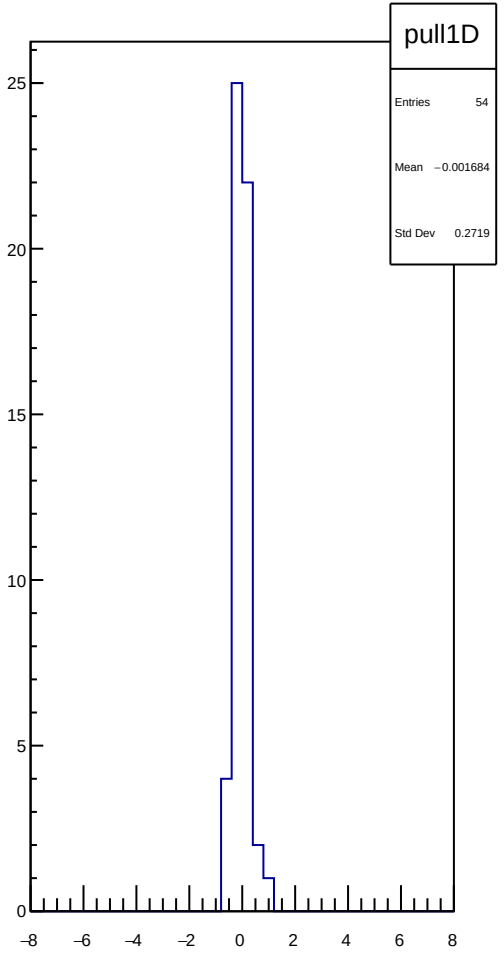

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs run
χ² / ndf 67.48 / 53
p0 0.8521± 0.05311
pull
Entries 54
Mean 166.3
Std Dev 0
pull1D
Entries 54
Mean −0.03073
Std Dev 1.117

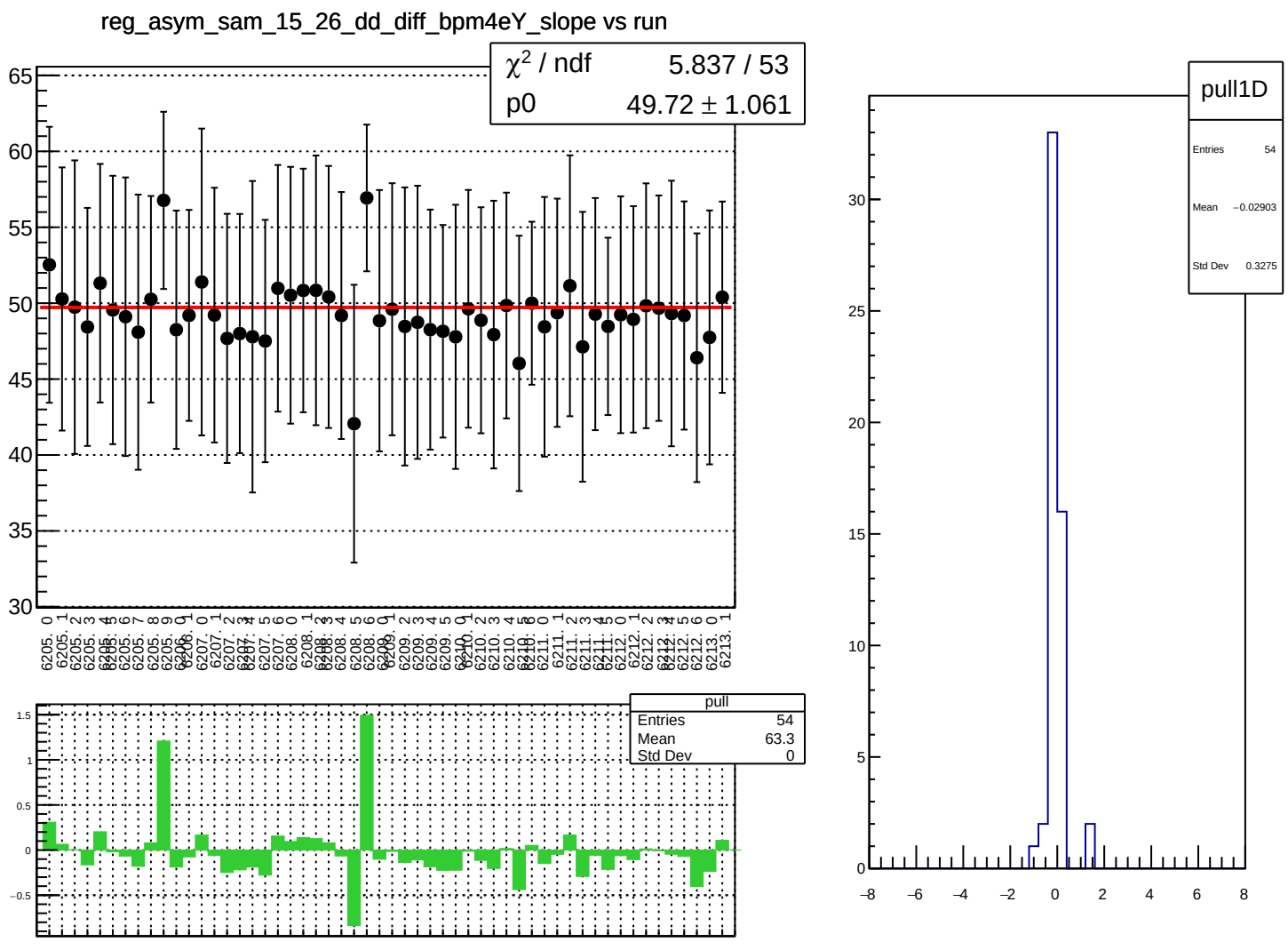

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs run
χ² / ndf 2.856 / 53
p0 −4.709 ± 0.9697
pull
Entries 54
Mean −2686
Std Dev 0

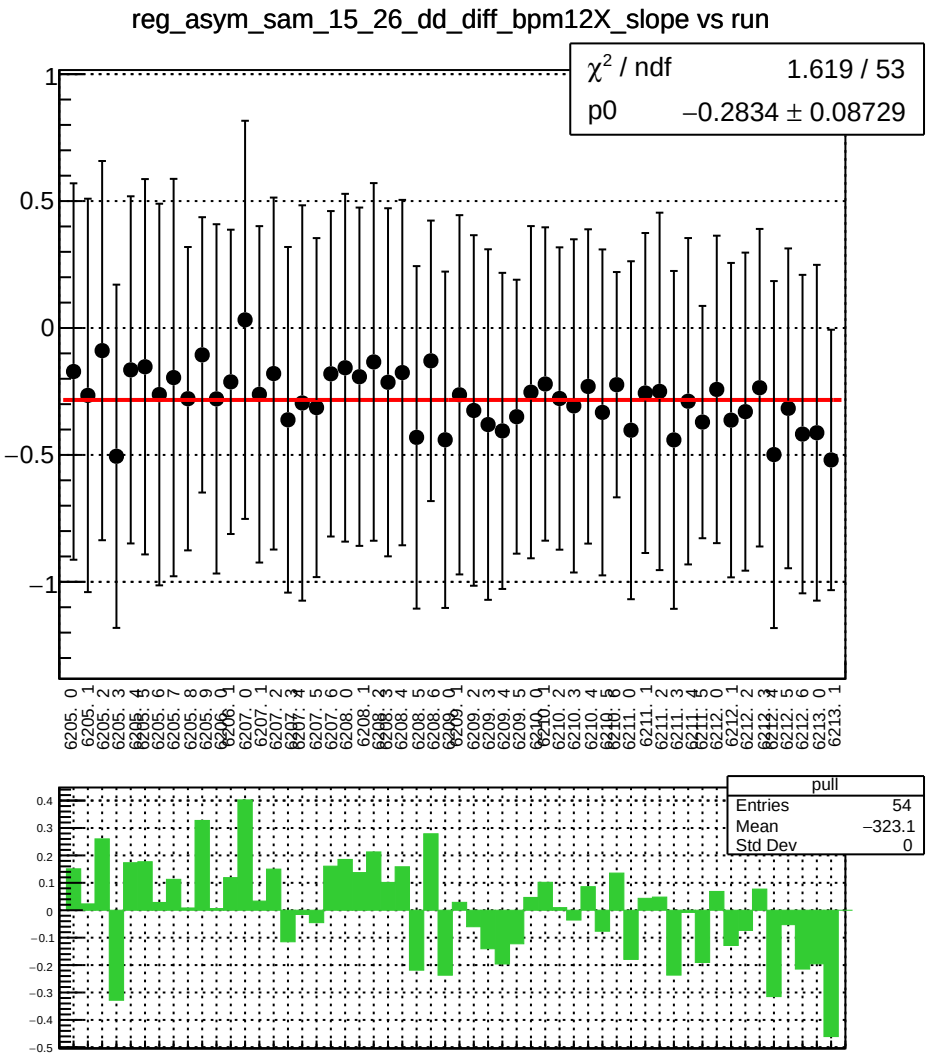

pull1D
Entries 54
Mean 0.0006038
Std Dev 0.23

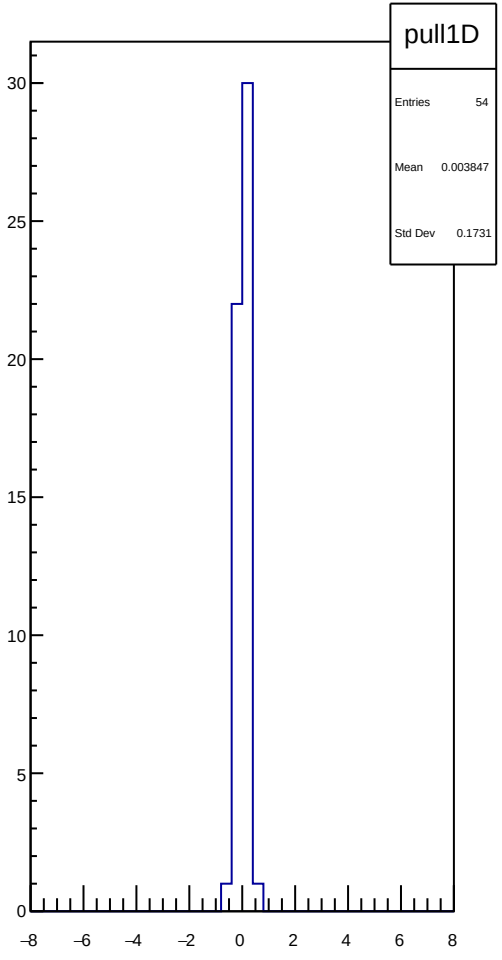

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 5.271 / 53
p0 −0.5645 ± 0.951
pull
Entries 54
Mean 39.84
Std Dev 14.87
pull1D
Entries 54
Mean 0.03276
Std Dev 0.3107

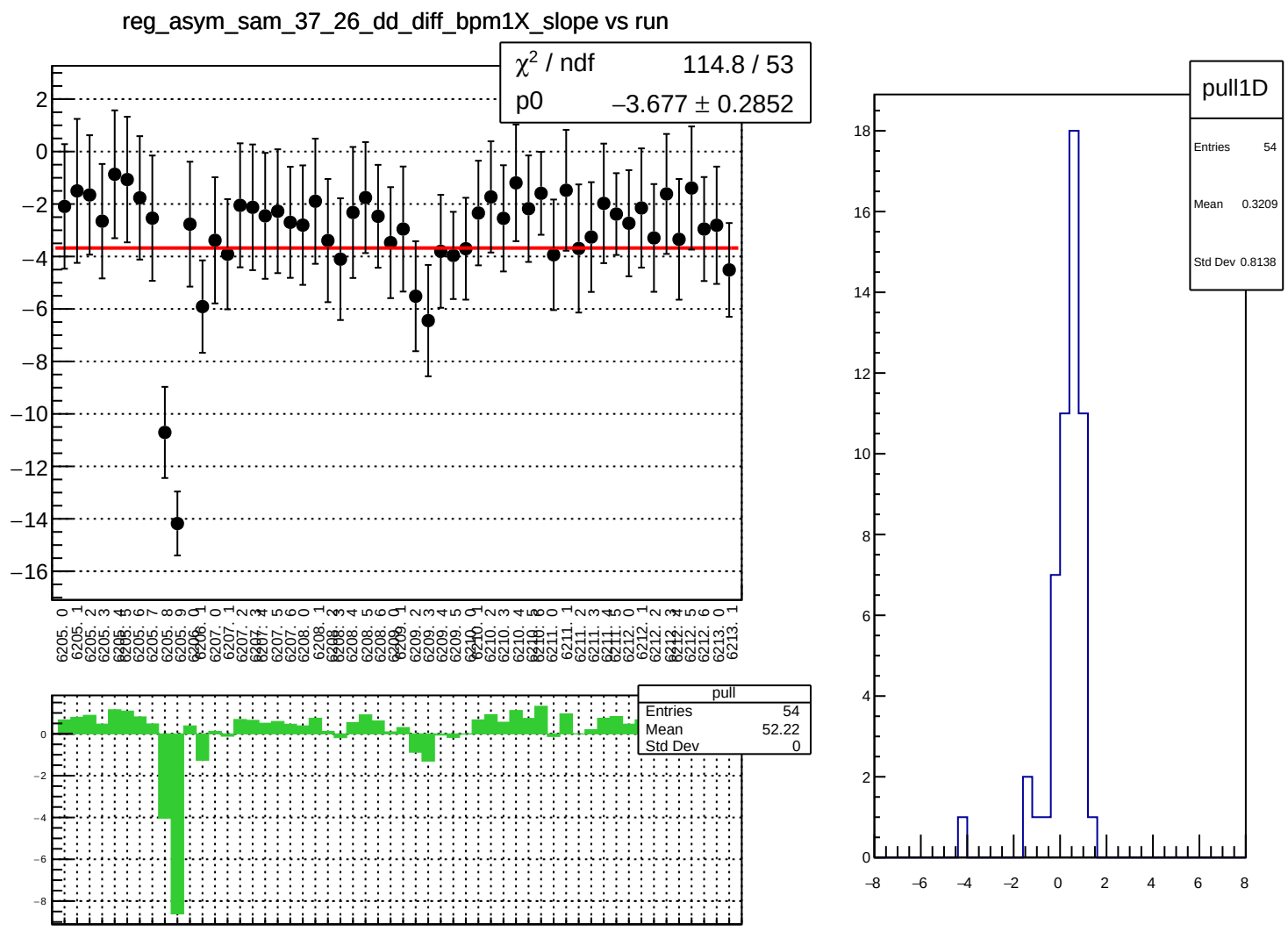

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 3.993 / 53
p0 38.26 ± 1.061
pull
Entries 54
Mean −655.6
Std Dev 0

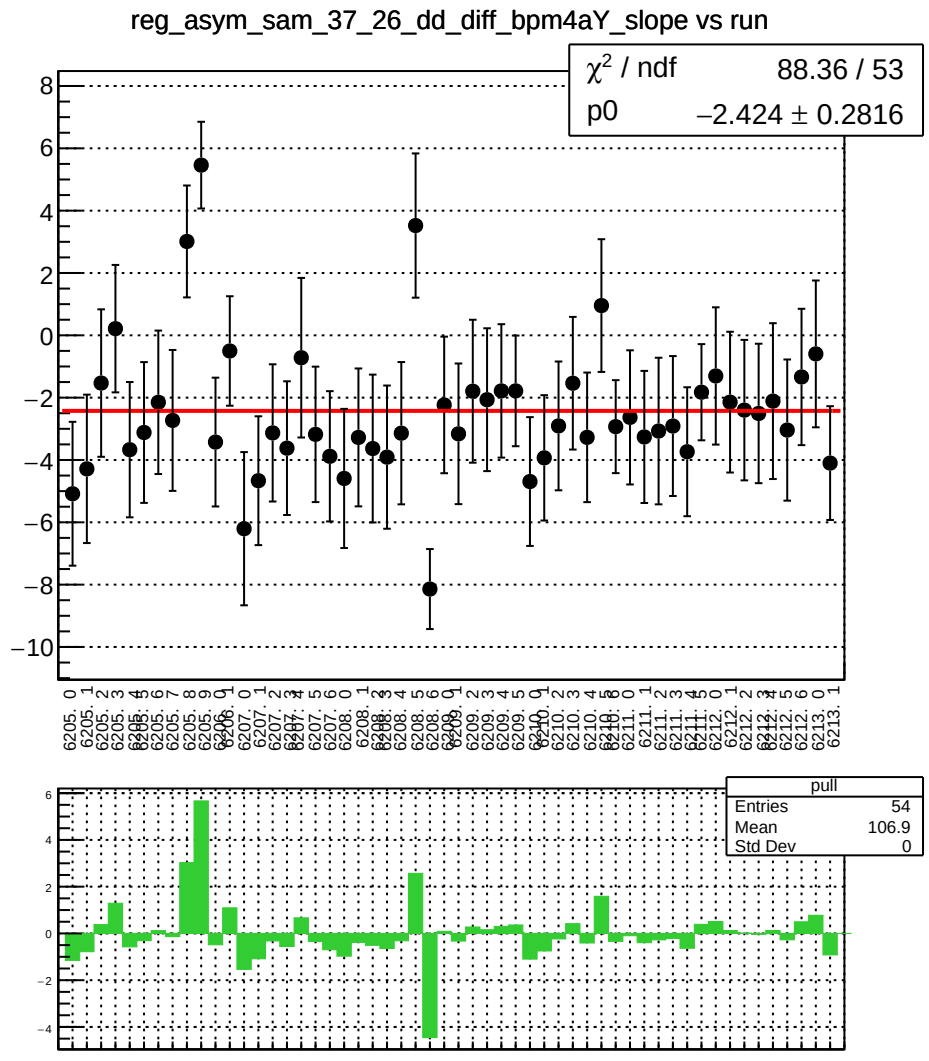

pull1D
Entries 54
Mean −0.001684
Std Dev 0.2719

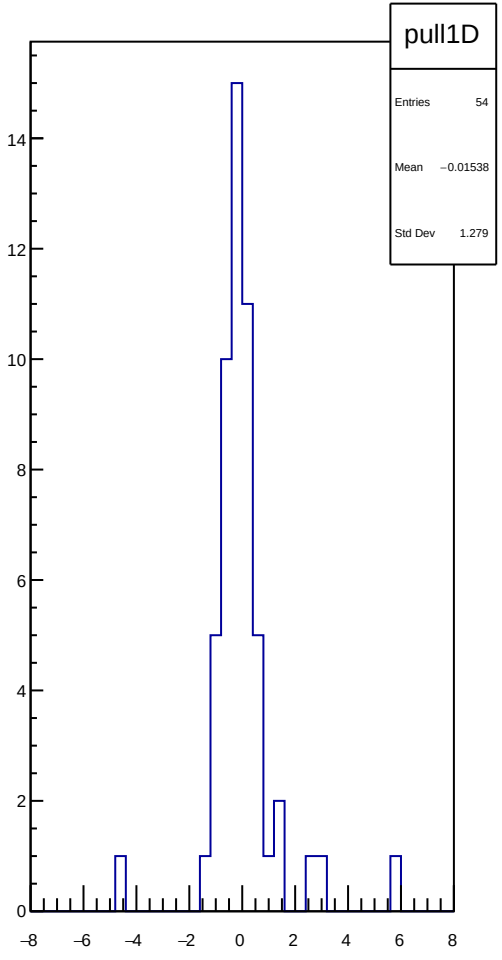

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 5.837 / 53
p0 49.72 ± 1.061
pull
Entries 54
Mean 63.3
Std Dev 0
pull1D
Entries 54
Mean −0.02903
Std Dev 0.3275

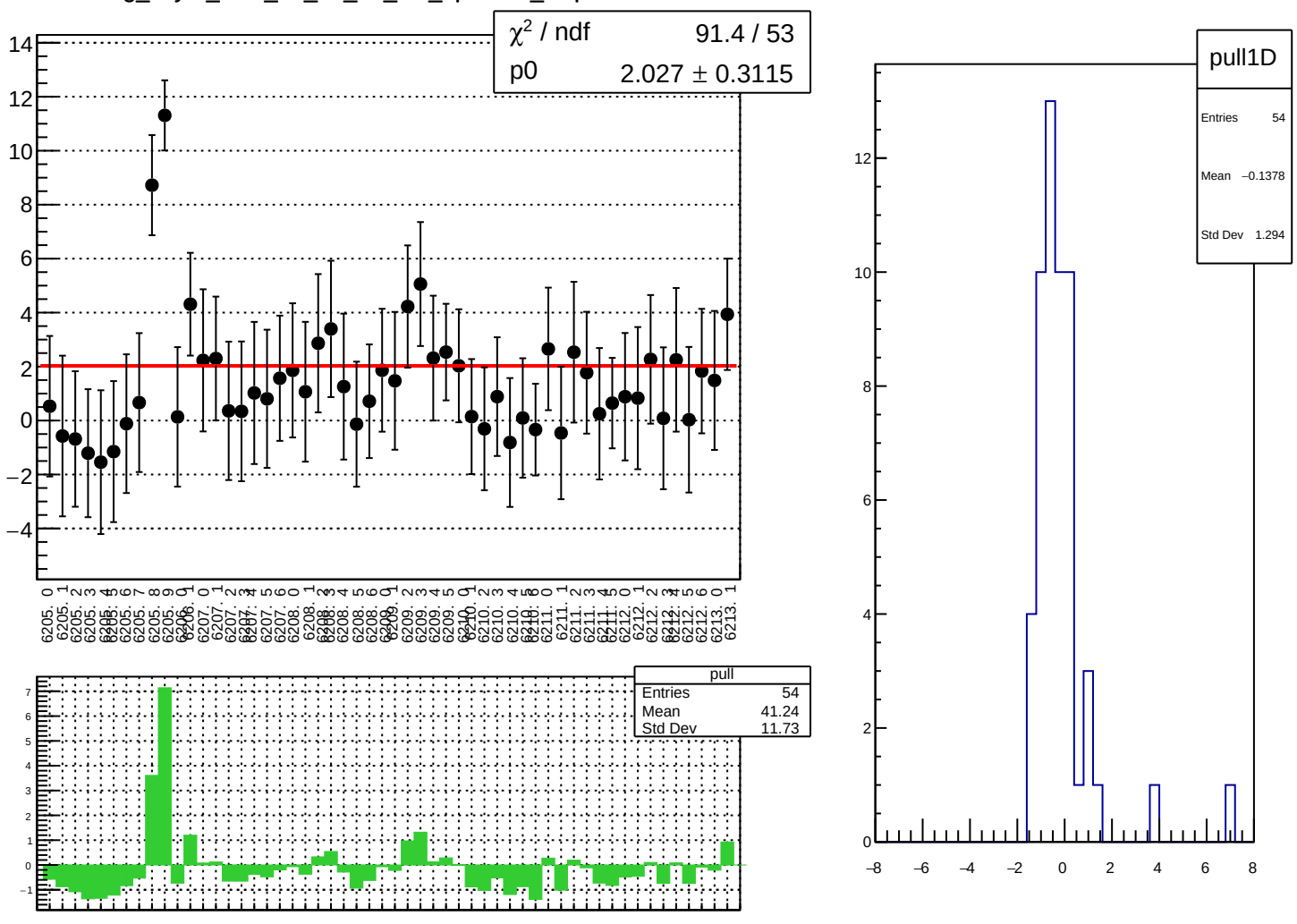

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs run
χ² / ndf 1.619 / 53
p0 −0.2834 ± 0.08729
pull
Entries 54
Mean −323.1
Std Dev 0

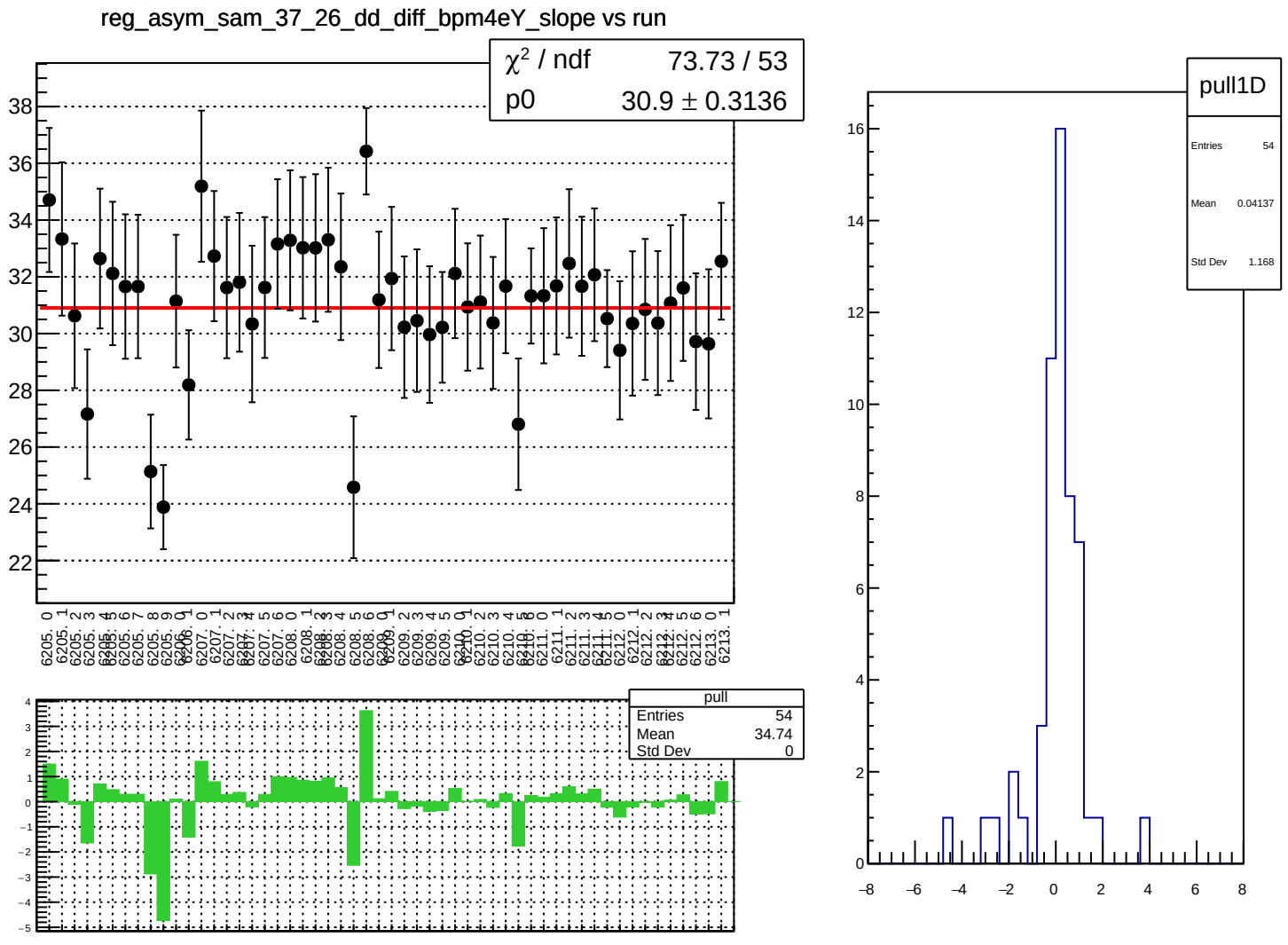

pull1D
Entries 54
Mean 0.003847
Std Dev 0.1731

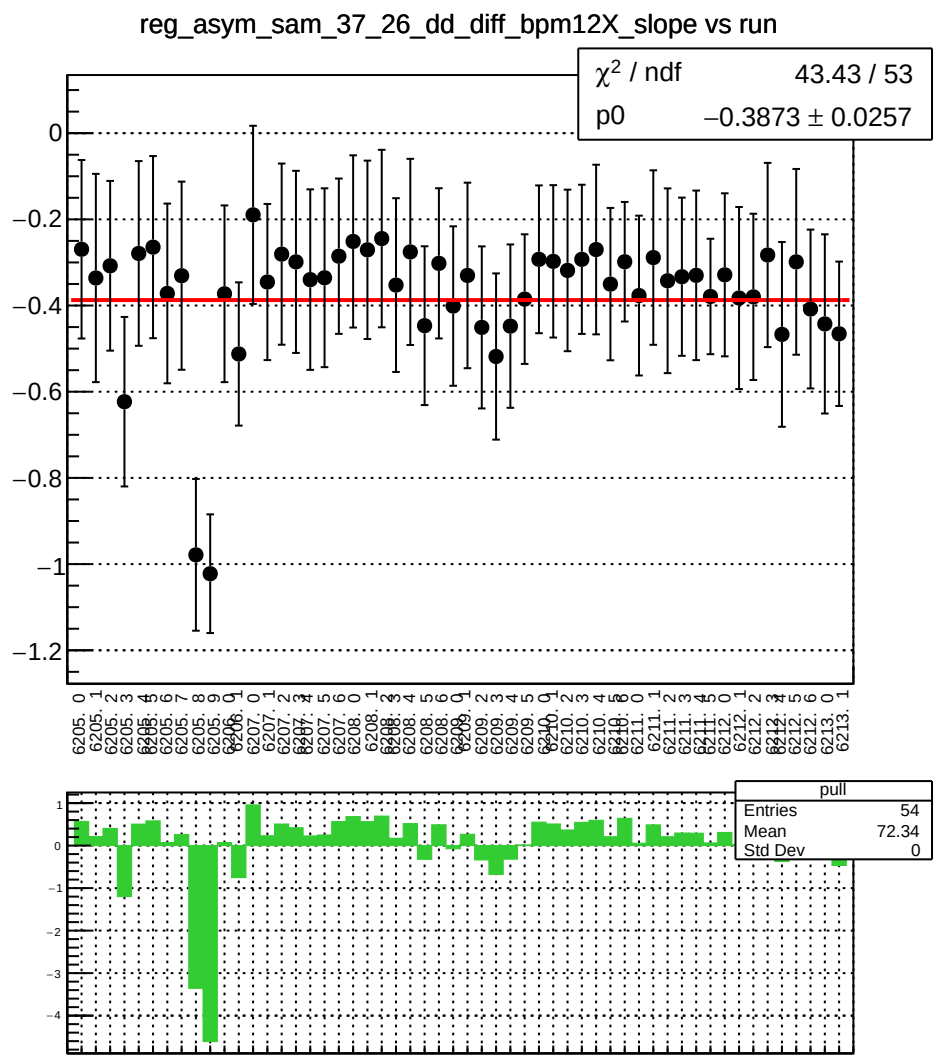

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs run
χ² / ndf 114.8 / 53
p0 −3.677 ± 0.2852
pull
Entries 54
Mean 52.22
Std Dev 0
pull1D
Entries 54
Mean 0.3209
Std Dev 0.8138

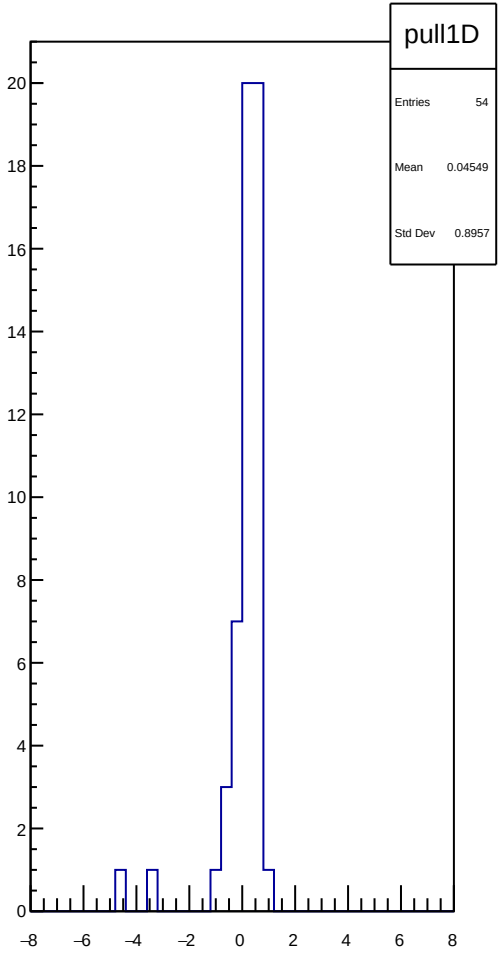

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 88.36 / 53
p0 −2.424 ± 0.2816
pull
Entries 54
Mean 106.9
Std Dev 0

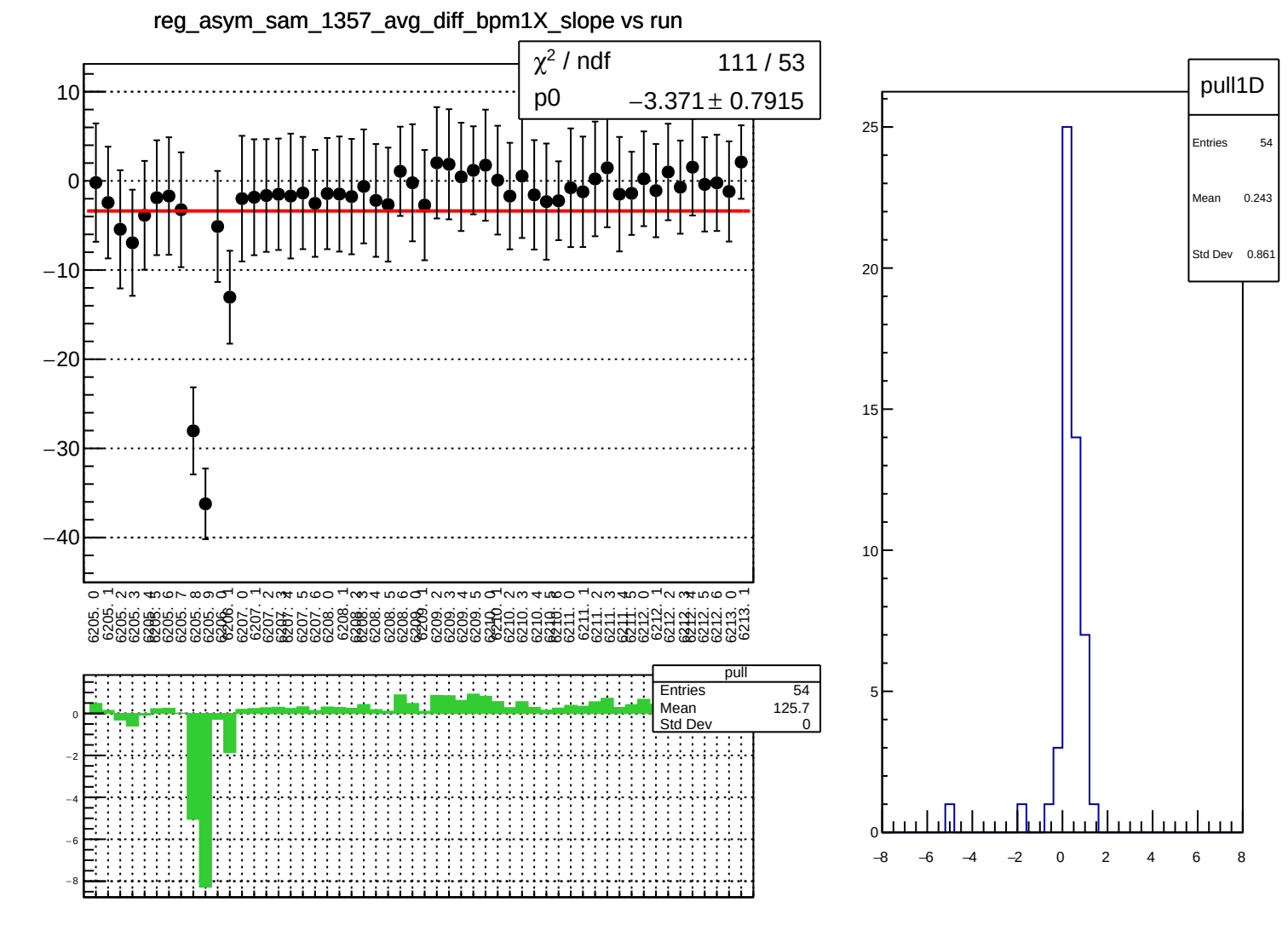

pull1D
Entries 54
Mean −0.01538
Std Dev 1.279

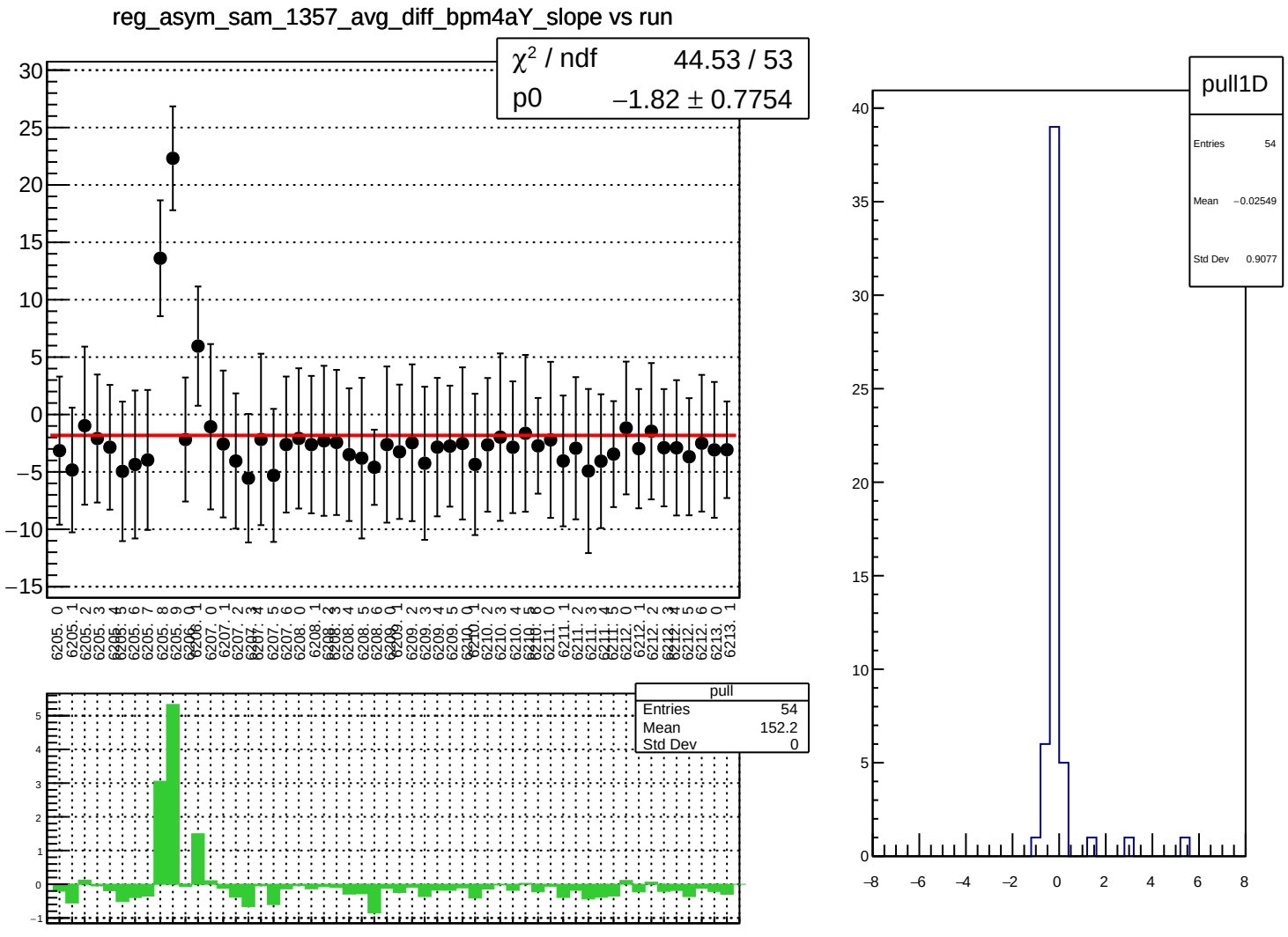

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 91.4 / 53
p0 2.027 ± 0.3115
pull
Entries 54
Mean 41.24
Std Dev 11.73
pull1D
Entries 54
Mean −0.1378
Std Dev 1.294

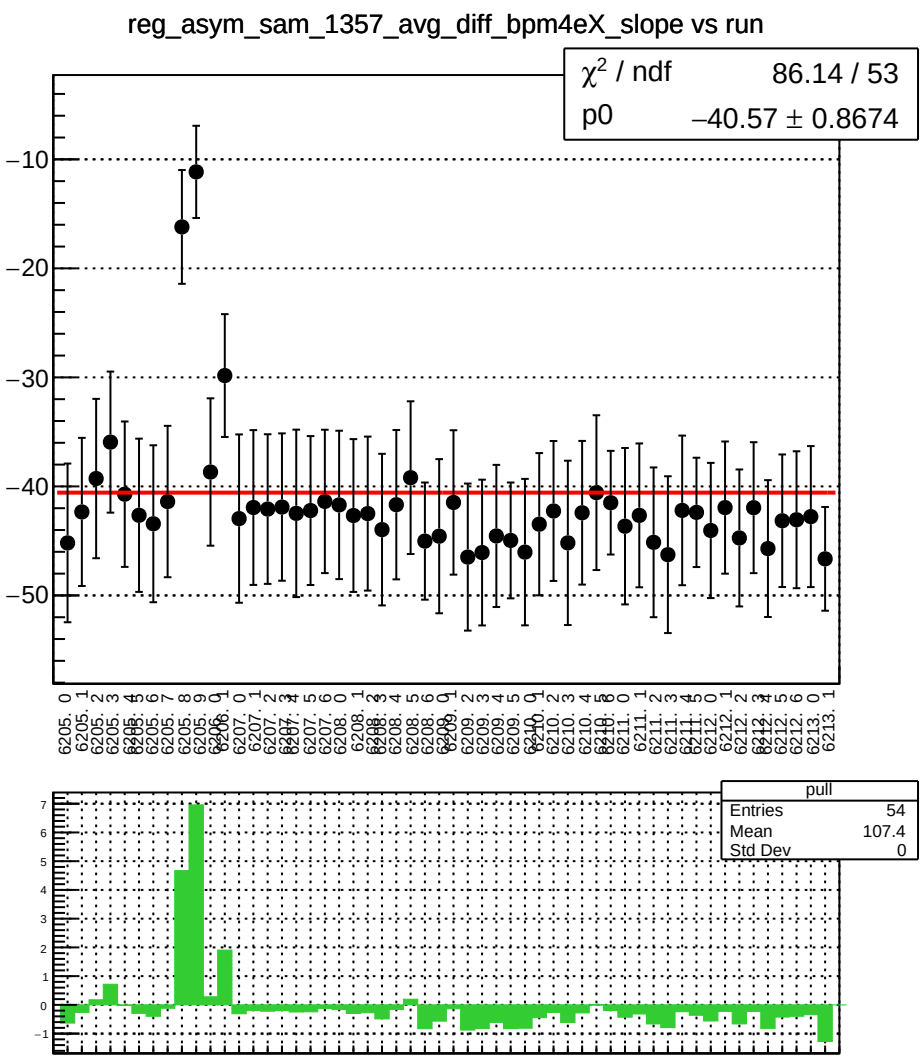

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 73.73 / 53
p0 30.9 ± 0.3136
pull
Entries 54
Mean 34.74
Std Dev 0
pull1D
Entries 54
Mean 0.04137
Std Dev 1.168

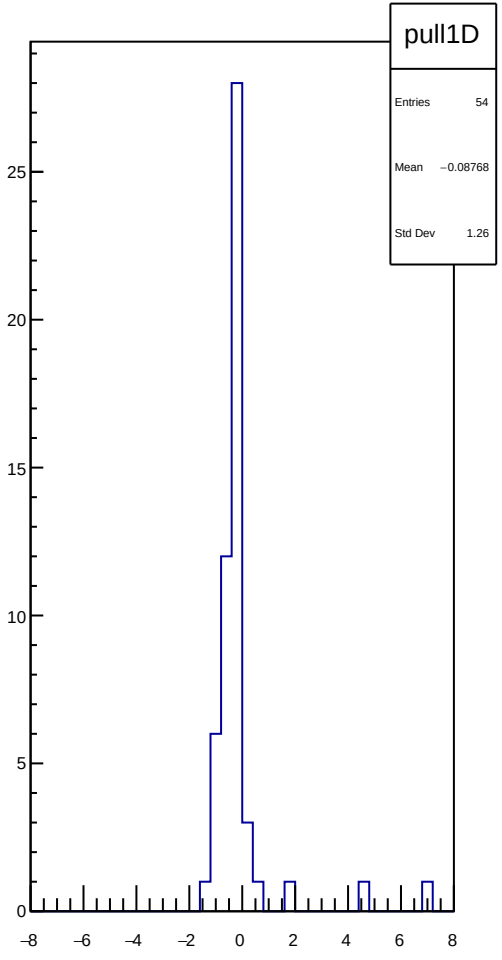

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs run
χ² / ndf 43.43 / 53
p0 −0.3873 ± 0.0257
pull
Entries 54
Mean 72.34
Std Dev 0

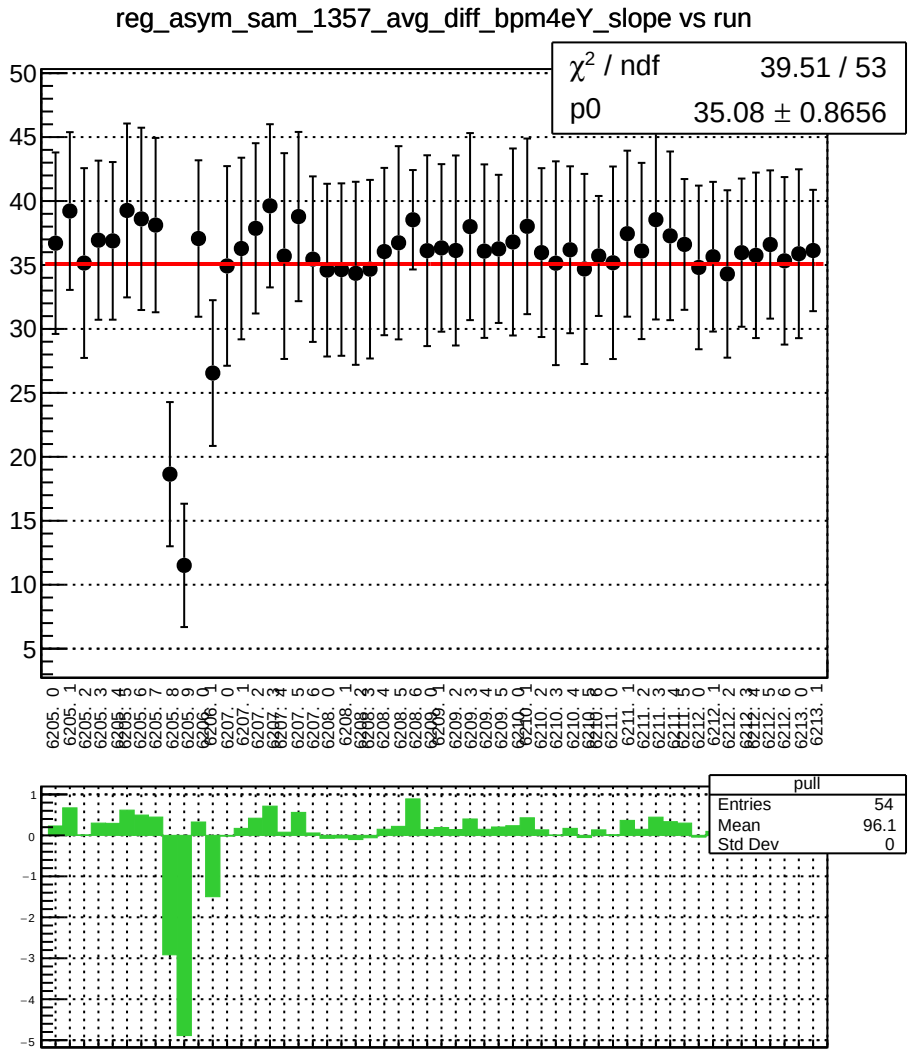

pull1D
Entries 54
Mean 0.04549
Std Dev 0.8957

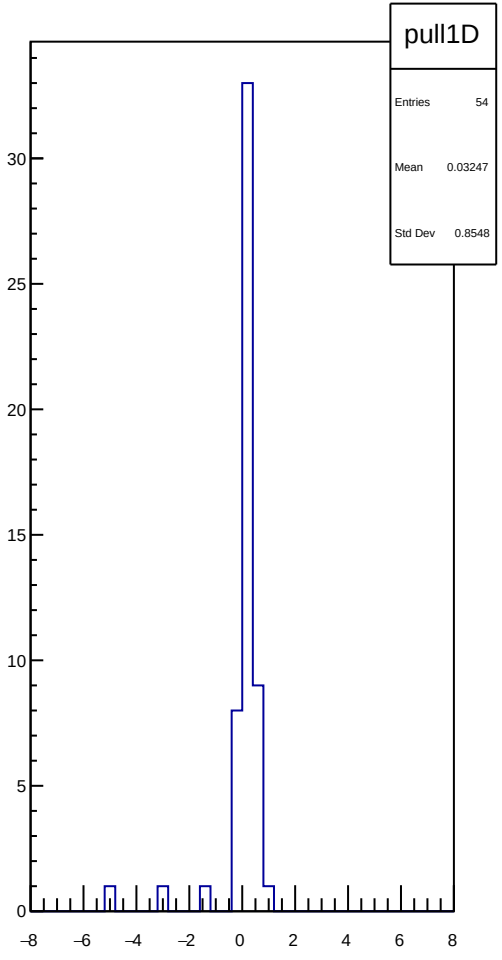

reg_asym_sam_1357_avg_diff_bpm1X_slope vs run
χ² / ndf 111 / 53
p0 −3.371 ± 0.7915
pull
Entries 54
Mean 125.7
Std Dev 0
pull1D
Entries 54
Mean 0.243
Std Dev 0.861

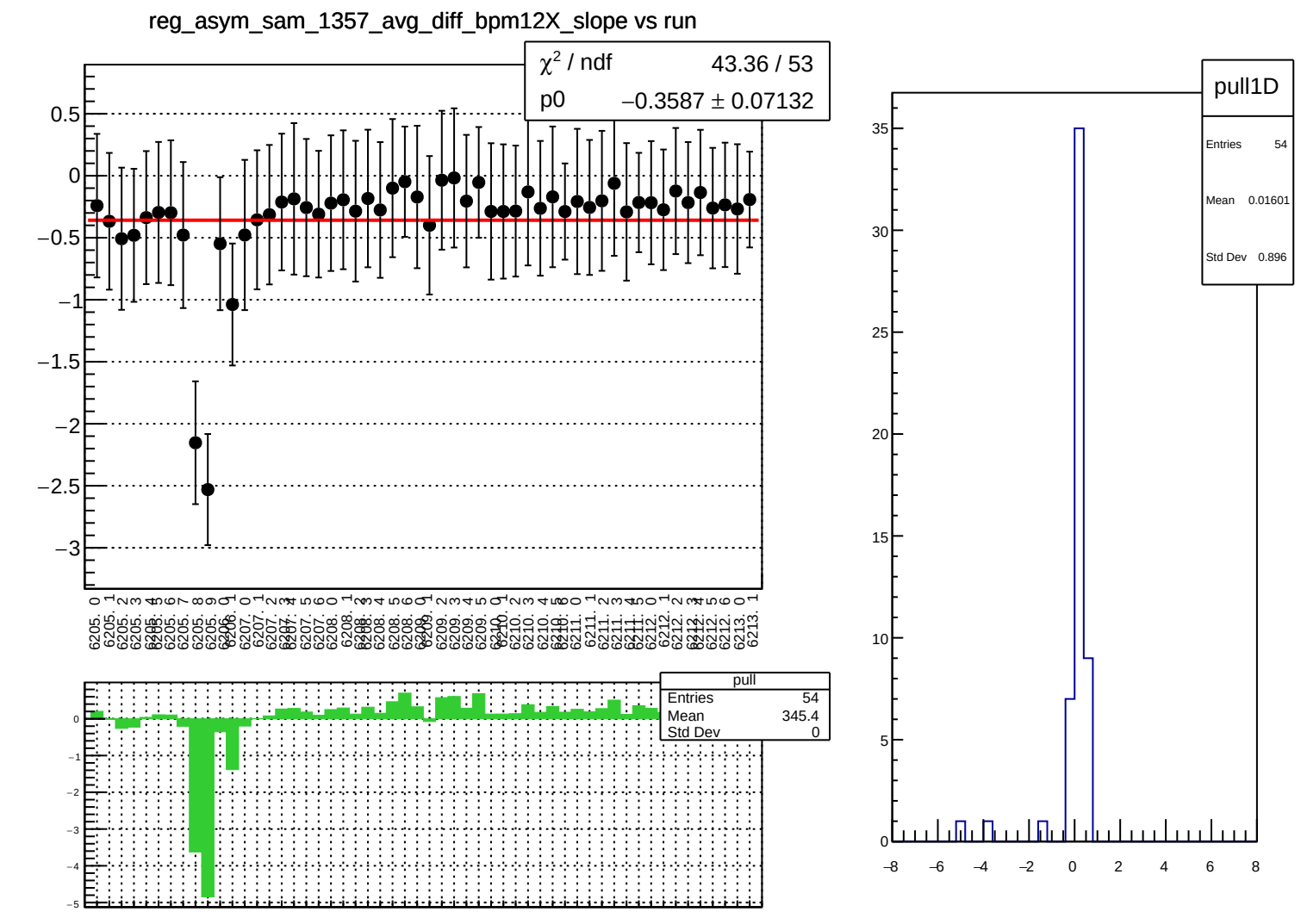

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ² / ndf 44.53 / 53
p0 −1.82 ± 0.7754
pull
Entries 54
Mean 152.2
Std Dev 0
pull1D
Entries 54
Mean −0.02549
Std Dev 0.9077

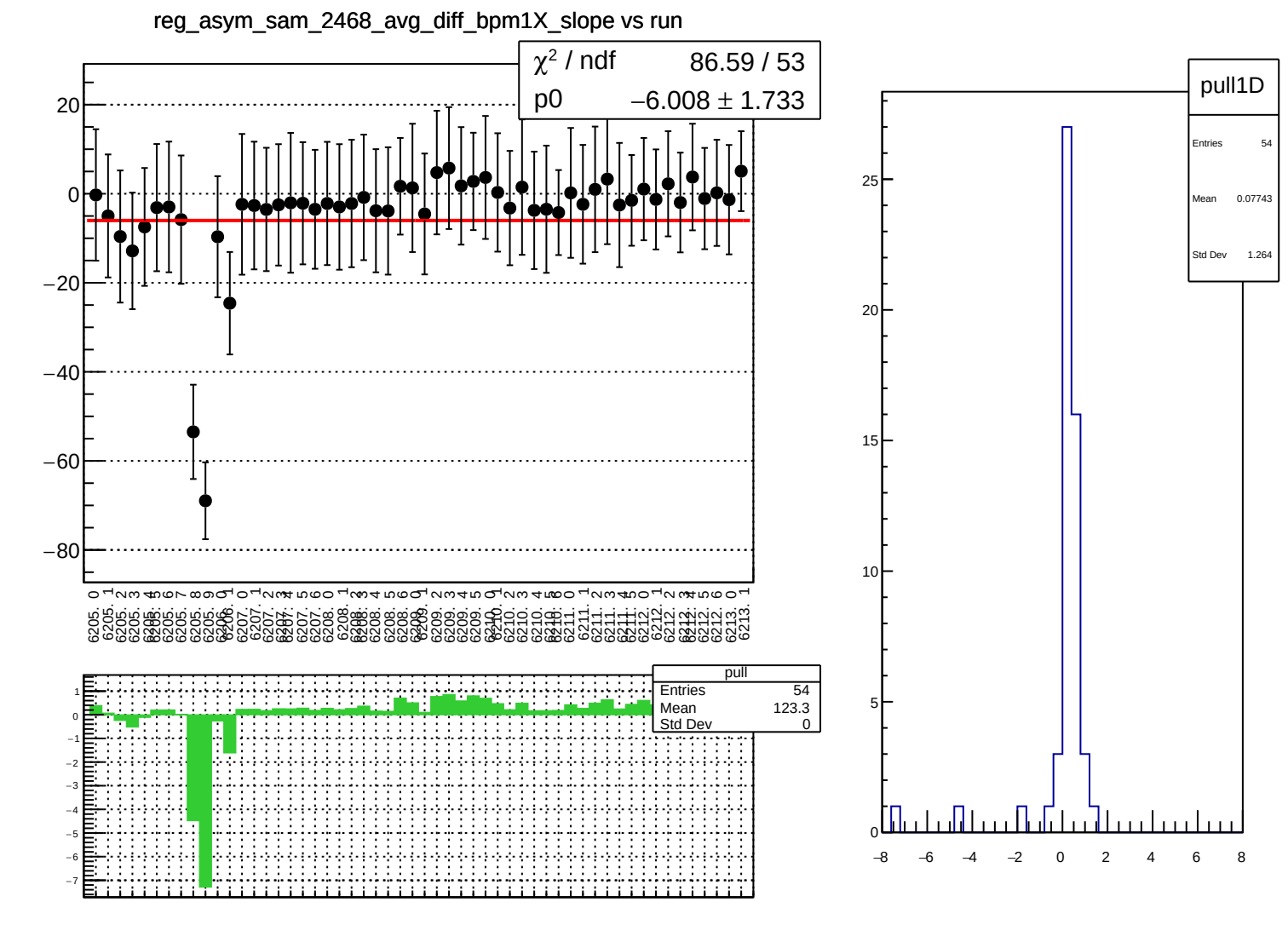

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ² / ndf 86.14 / 53
p0 −40.57 ± 0.8674
pull
Entries 54
Mean 107.4
Std Dev 0

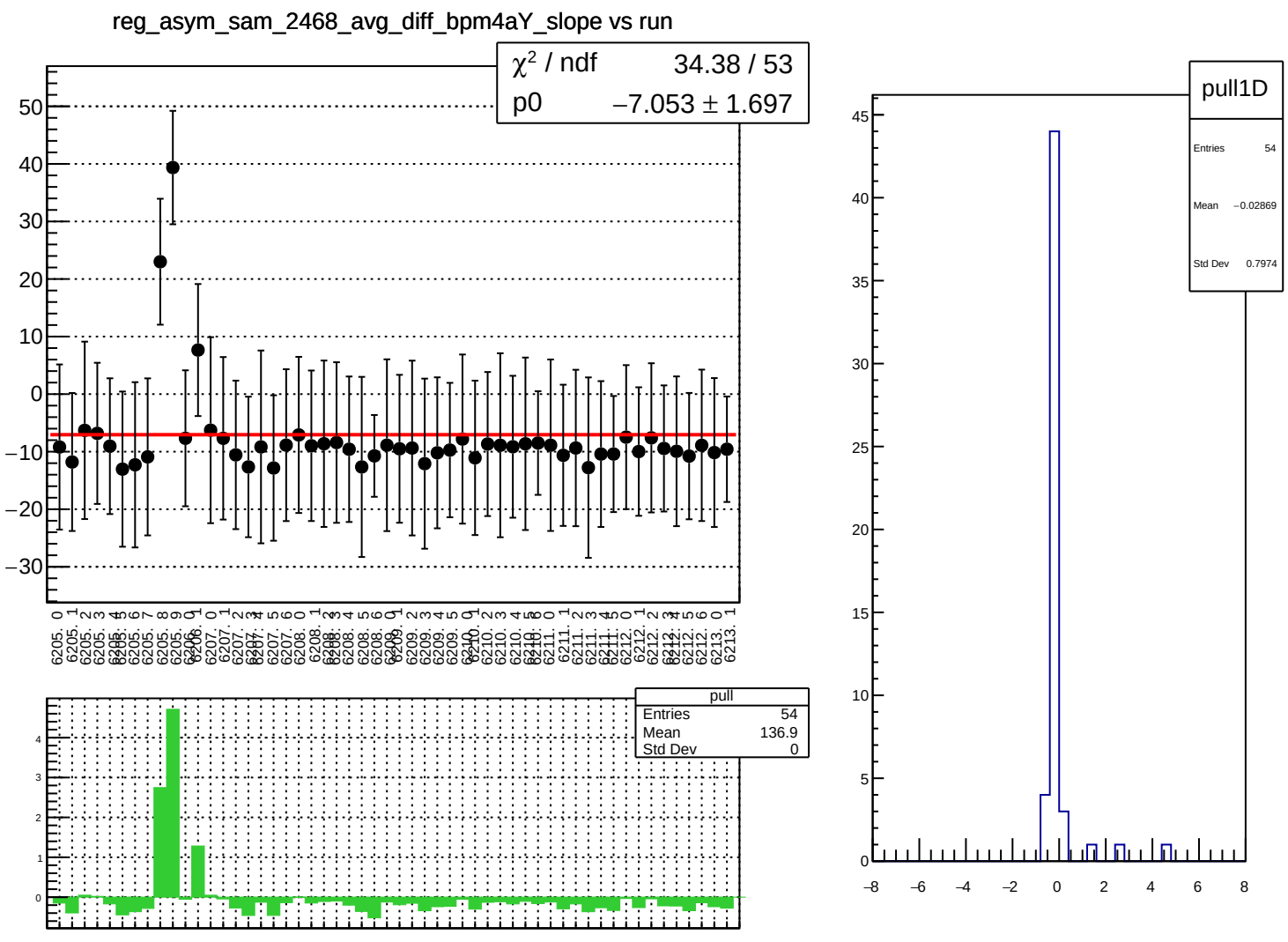

pull1D
Entries 54
Mean −0.08768
Std Dev 1.26

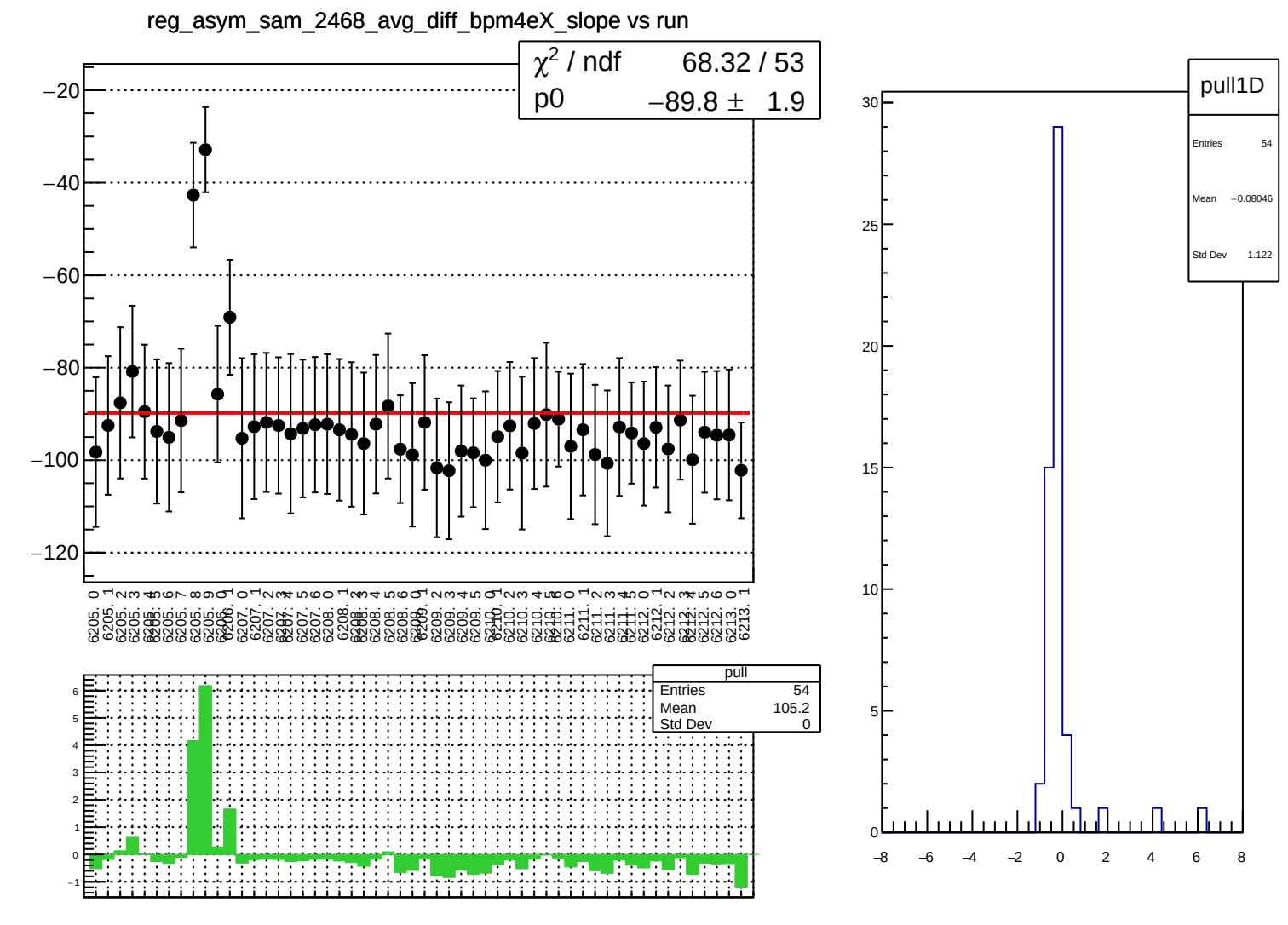

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ² / ndf 39.51 / 53
p0 35.08 ± 0.8656
pull
Entries 54
Mean 96.1
Std Dev 0

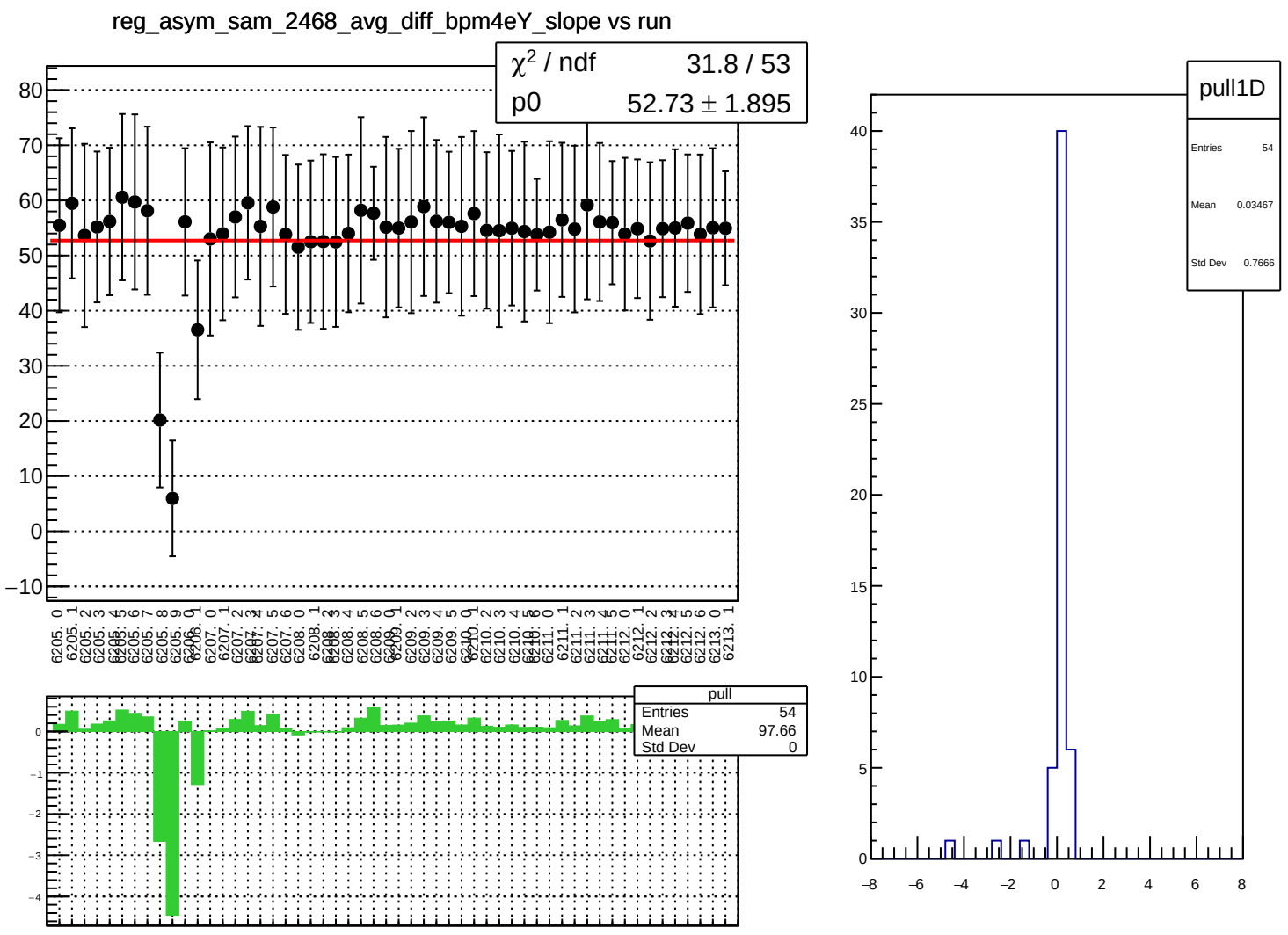

pull1D
Entries 54
Mean 0.03247
Std Dev 0.8548

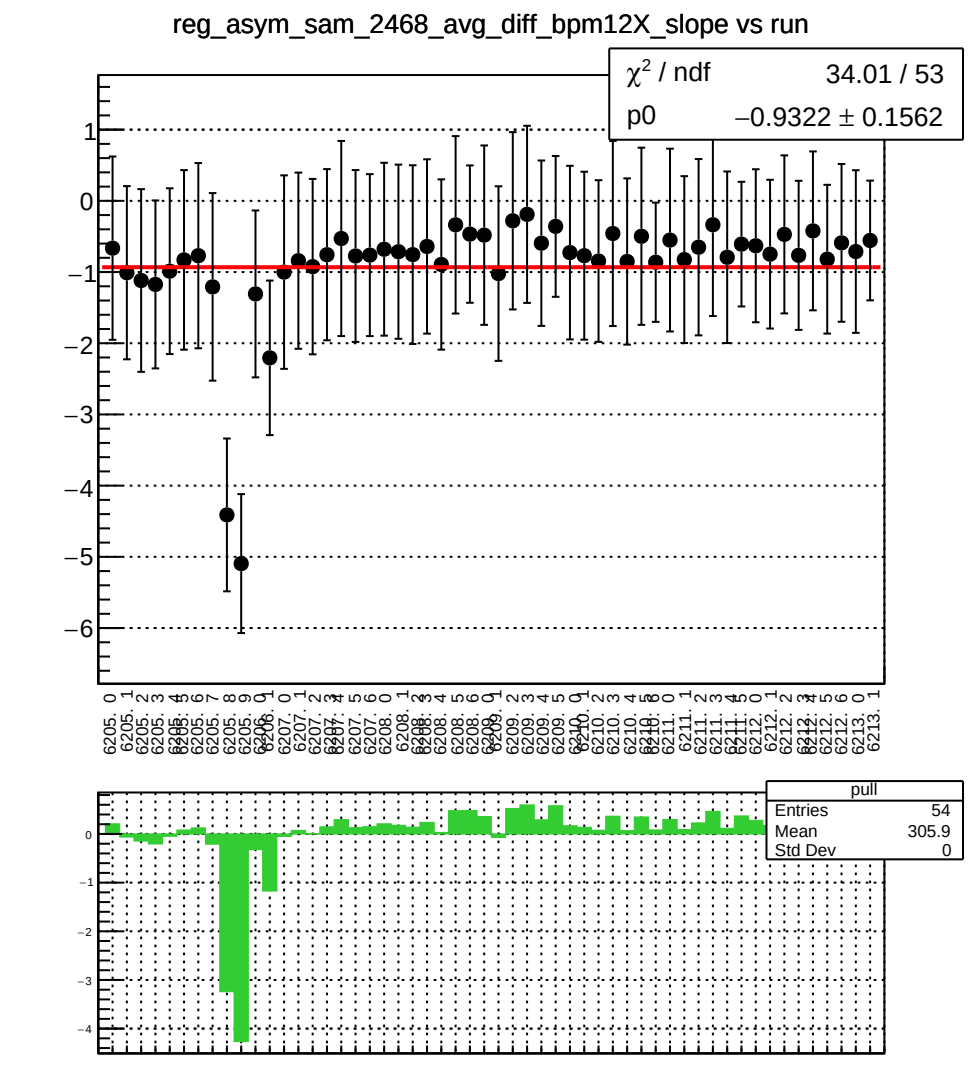

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ² / ndf 43.36 / 53
p0 −0.3587 ± 0.07132
pull
Entries 54
Mean 345.4
Std Dev 0
pull1D
Entries 54
Mean 0.01601
Std Dev 0.896

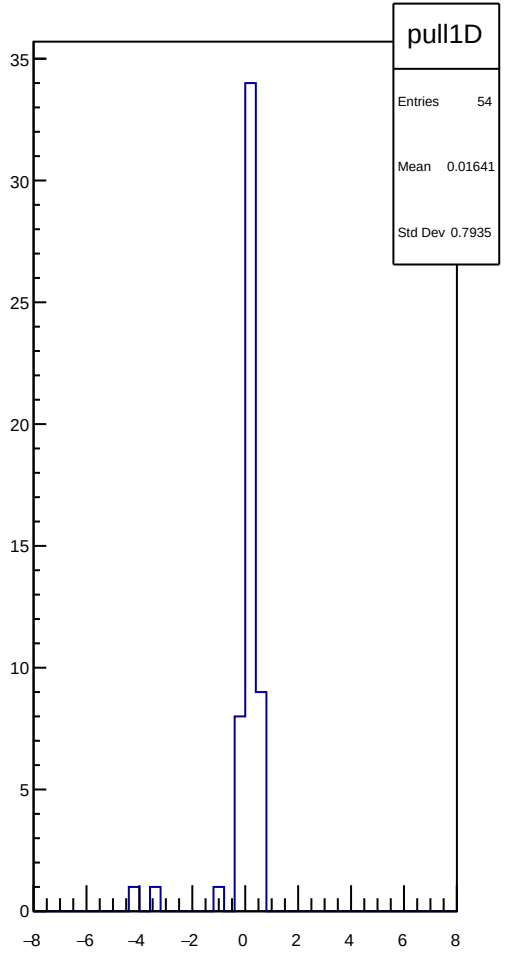

reg_asym_sam_2468_avg_diff_bpm1X_slope vs run
χ² / ndf 86.59 / 53
p0 −6.008 ± 1.733
pull
Entries 54
Mean 123.3
Std Dev 0
pull1D
Entries 54
Mean 0.07743
Std Dev 1.264

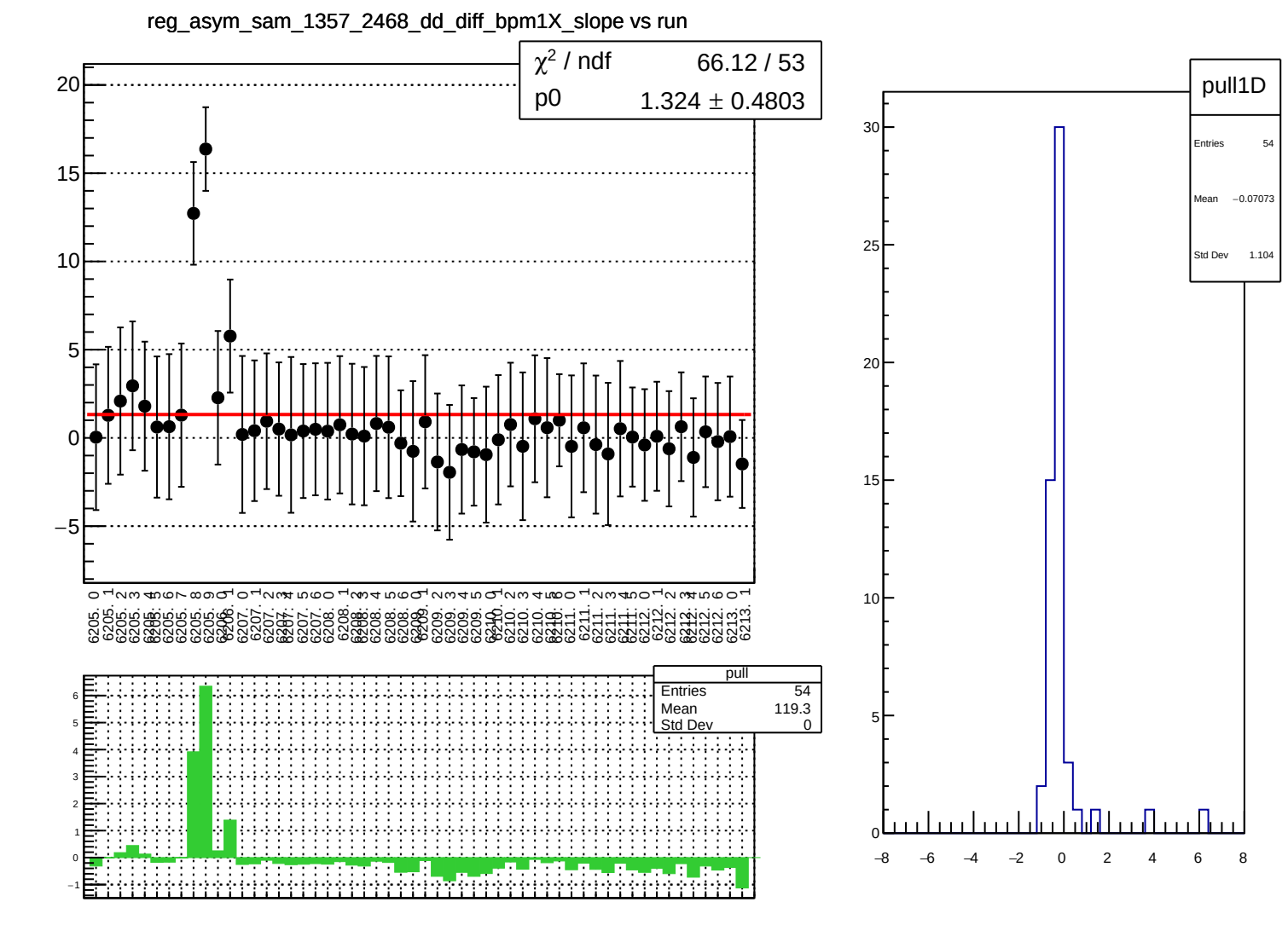

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ² / ndf 34.38 / 53
p0 −7.053 ± 1.697
pull
Entries 54
Mean 136.9
Std Dev 0
pull1D
Entries 54
Mean −0.02869
Std Dev 0.7974

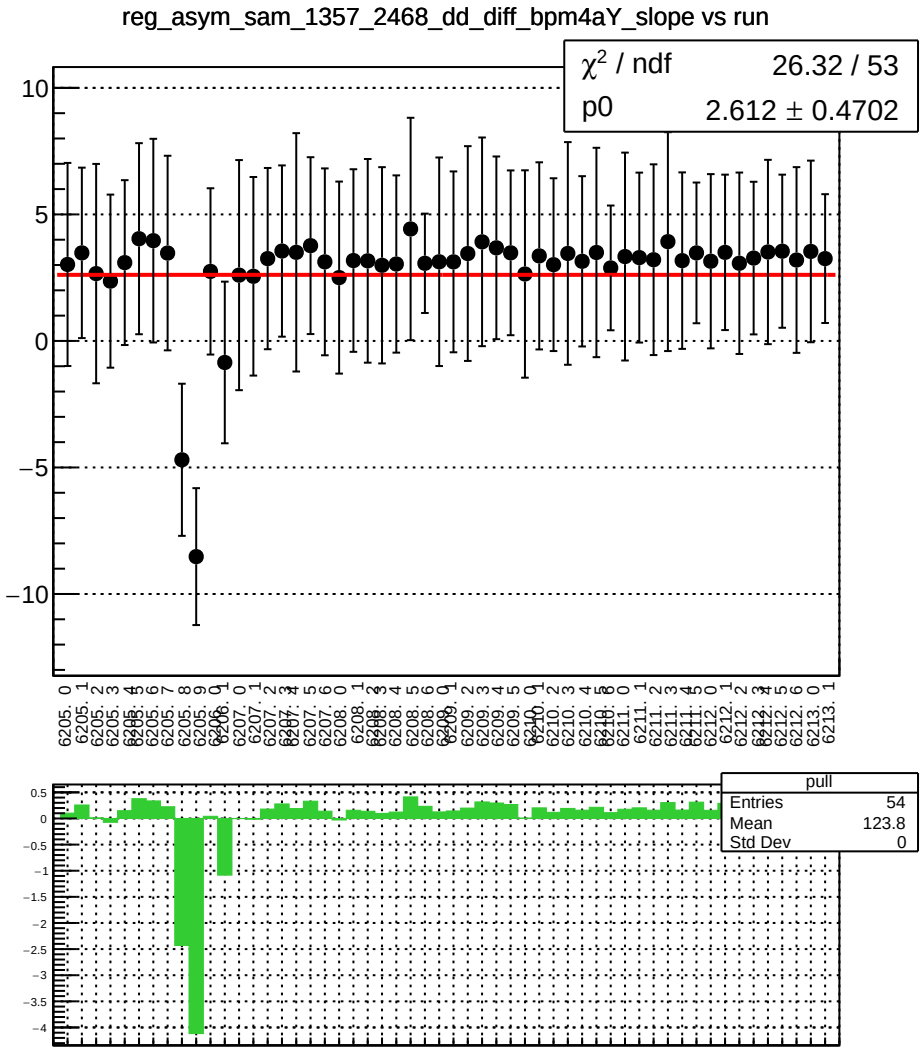

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ² / ndf 68.32 / 53
p0 −89.8 ± 1.9
pull
Entries 54
Mean 105.2
Std Dev 0
pull1D
Entries 54
Mean −0.08046
Std Dev 1.122

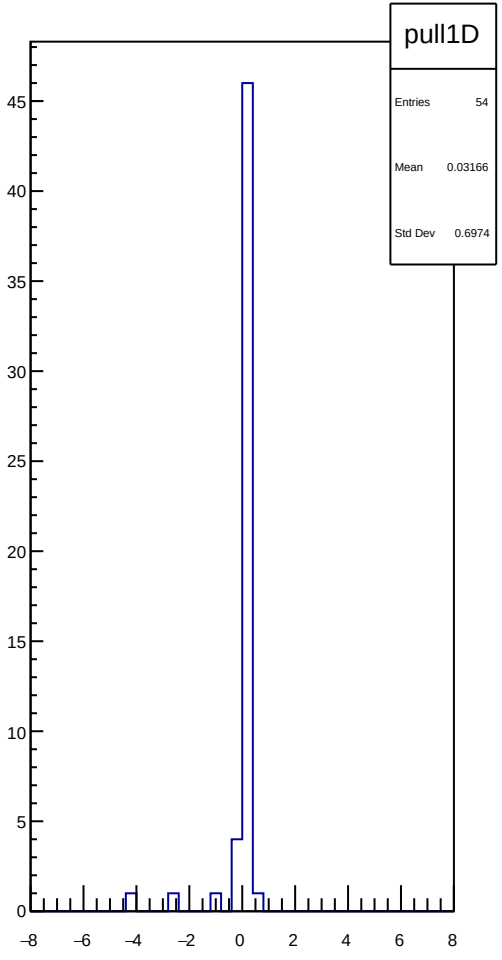

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ² / ndf 31.8 / 53
p0 52.73 ± 1.895
pull
Entries 54
Mean 97.66
Std Dev 0
pull1D
Entries 54
Mean 0.03467
Std Dev 0.7666

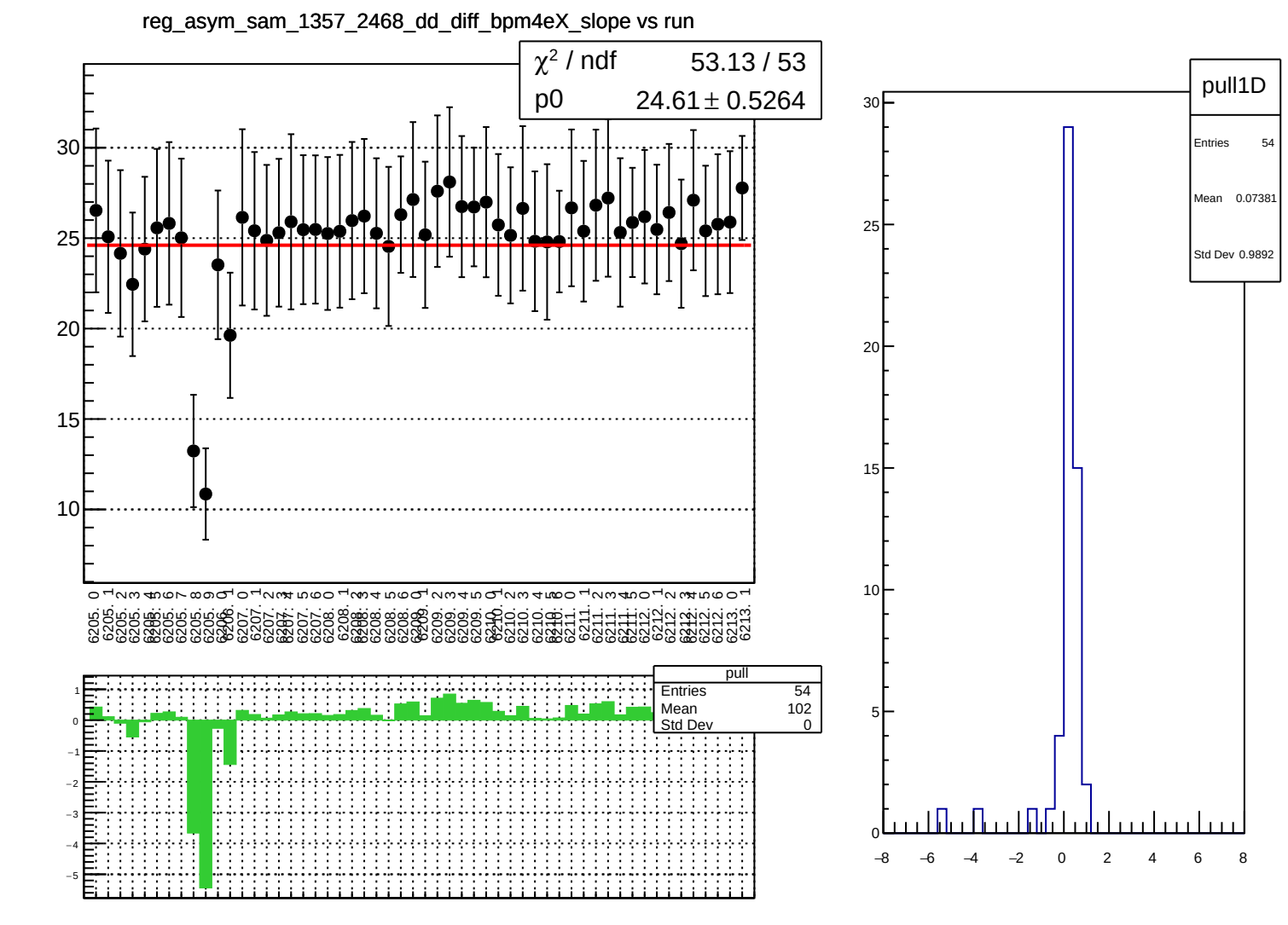

reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ² / ndf 34.01 / 53
p0 −0.9322 ± 0.1562
pull
Entries 54
Mean 305.9
Std Dev 0

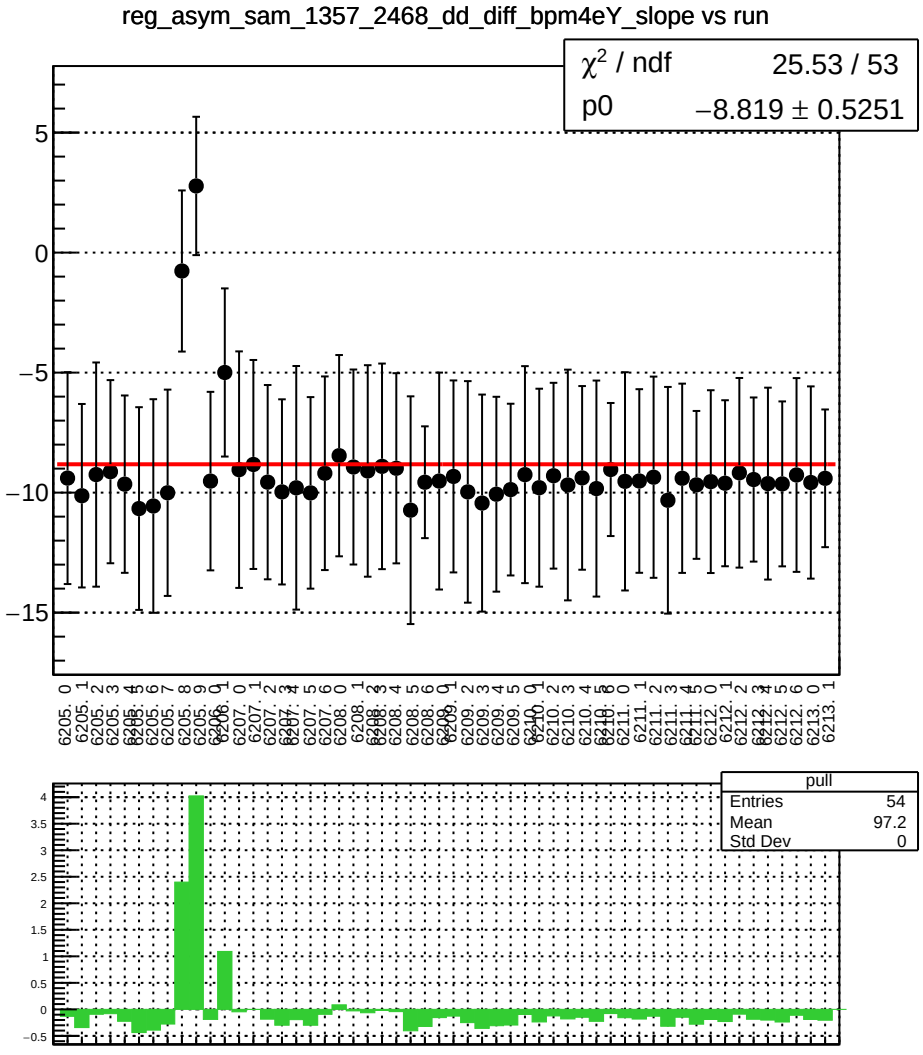

pull1D
Entries 54
Mean 0.01641
Std Dev 0.7935

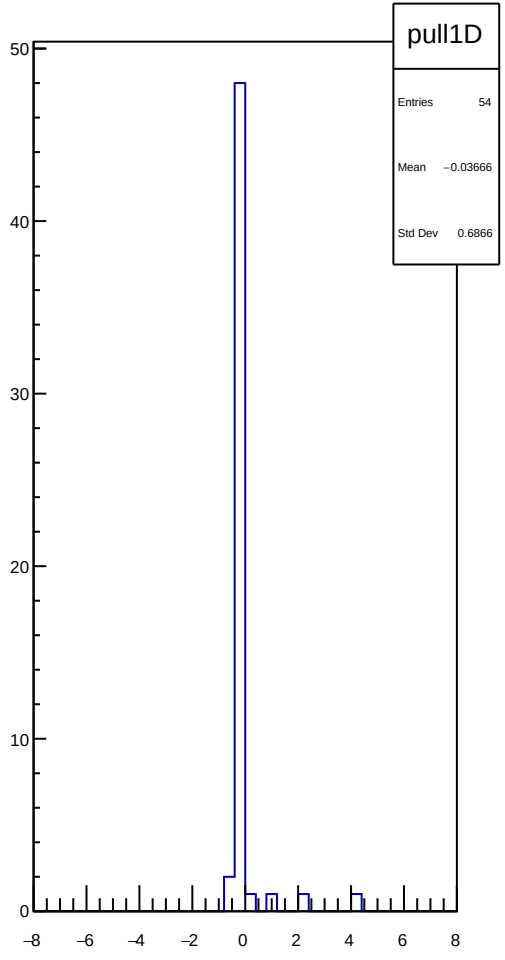

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs run
χ² / ndf 66.12 / 53
p0 1.324 ± 0.4803
pull
Entries 54
Mean 119.3
Std Dev 0
pull1D
Entries 54
Mean −0.07073
Std Dev 1.104

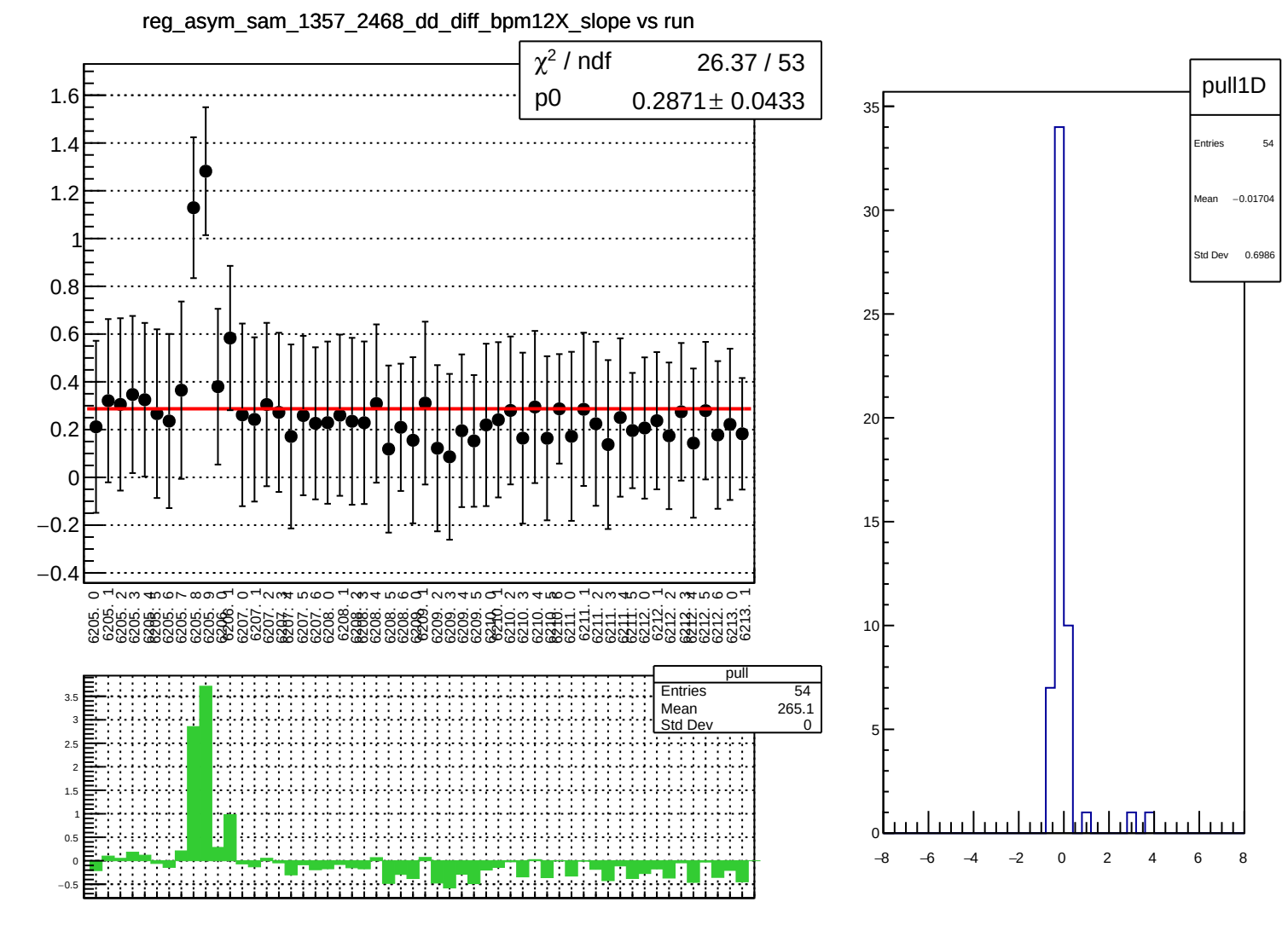

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run
χ² / ndf 26.32 / 53
p0 2.612 ± 0.4702
pull
Entries 54
Mean 123.8
Std Dev 0

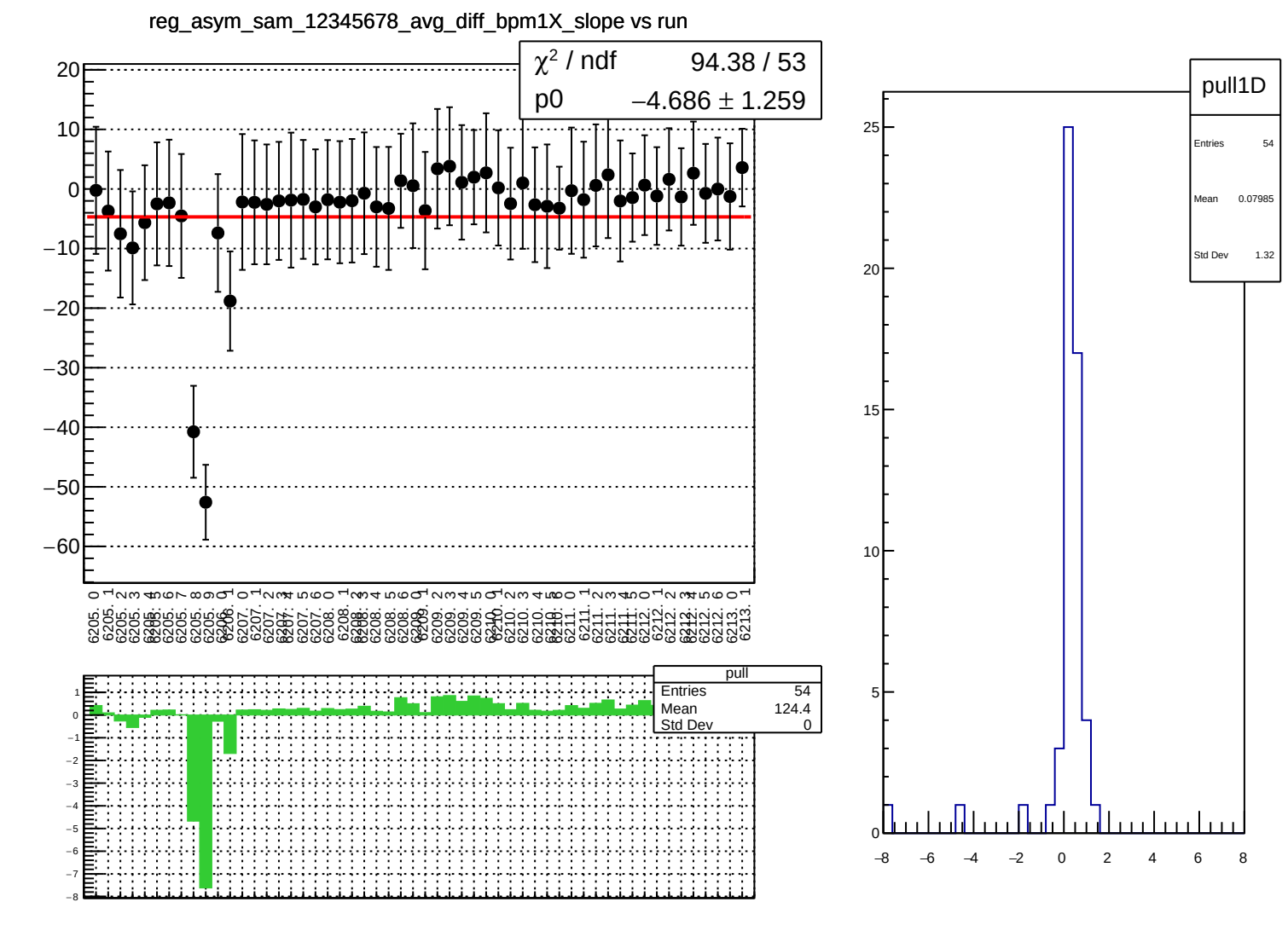

pull1D
Entries 54
Mean 0.03166
Std Dev 0.6974

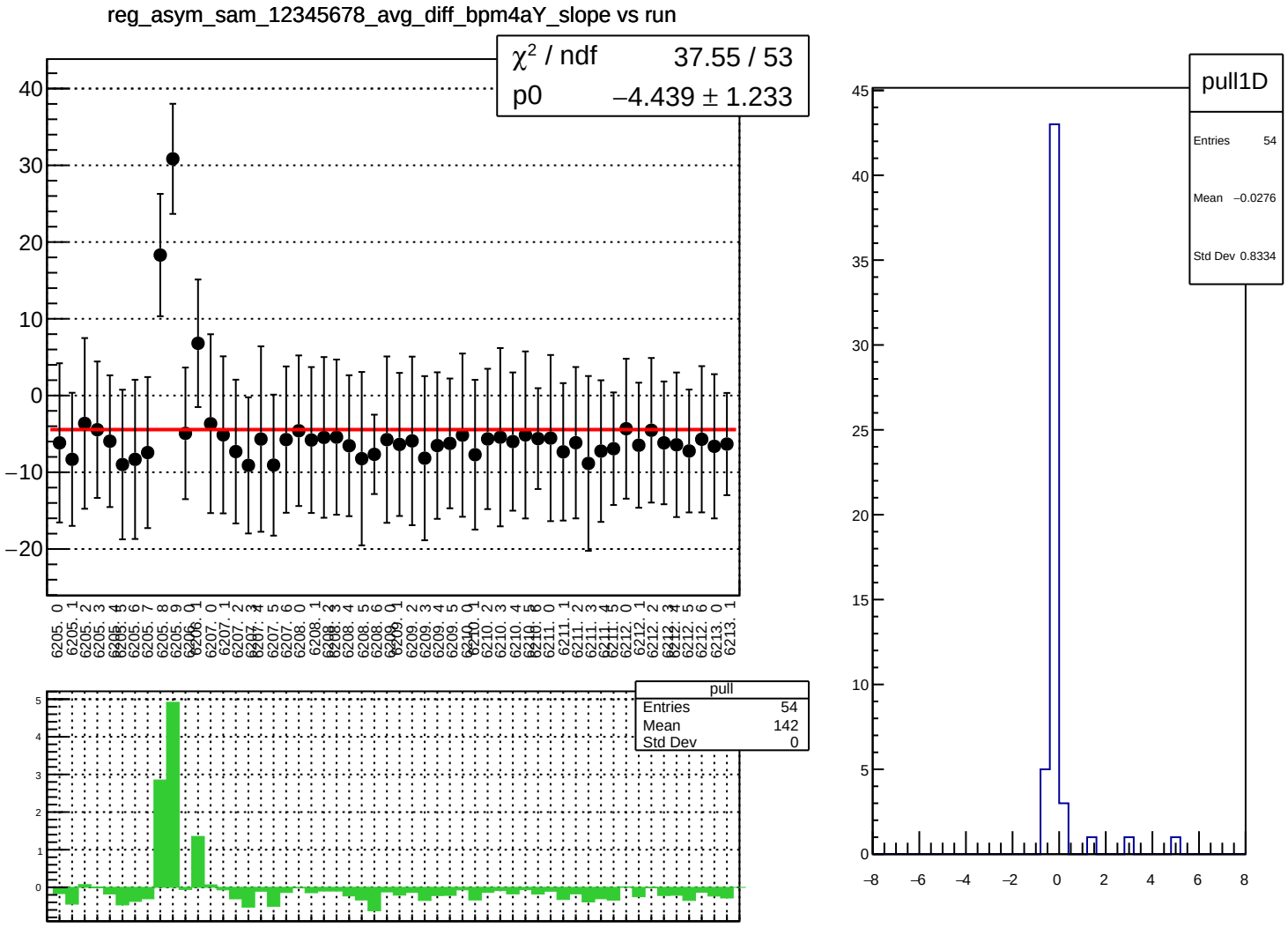

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run
χ² / ndf 53.13 / 53
p0 24.61 ± 0.5264
pull
Entries 54
Mean 102
Std Dev 0
pull1D
Entries 54
Mean 0.07381
Std Dev 0.9892

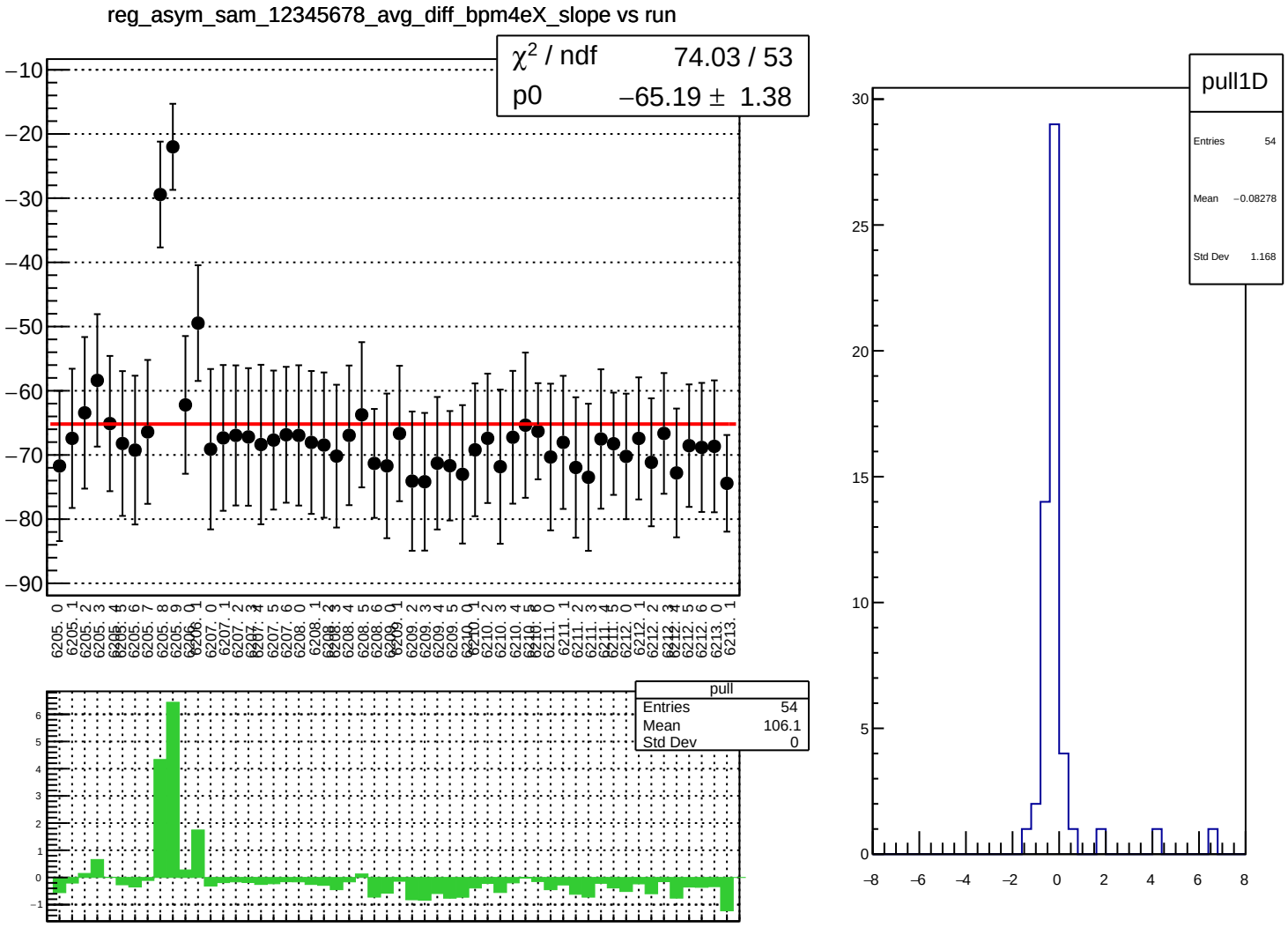

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run
χ² / ndf 25.53 / 53
p0 −8.819 ± 0.5251
pull
Entries 54
Mean 97.2
Std Dev 0

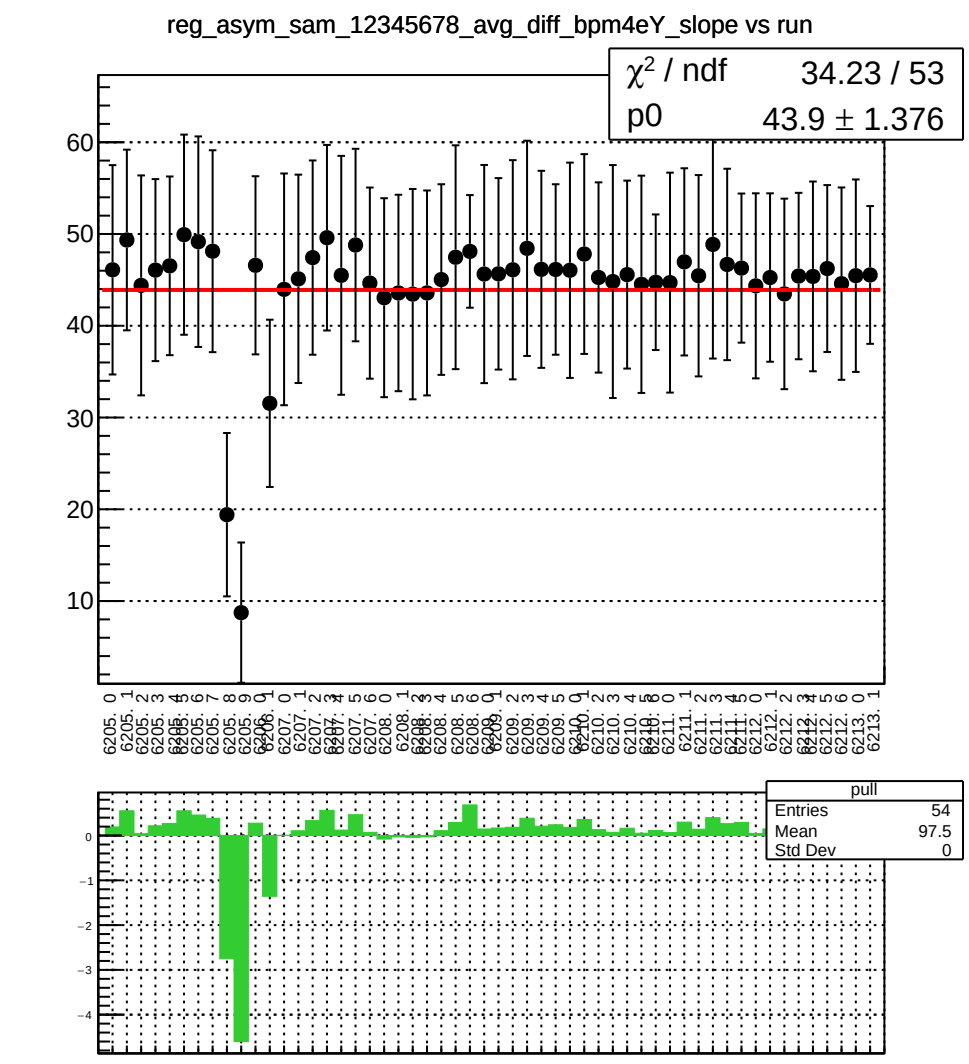

pull1D
Entries 54
Mean −0.03666
Std Dev 0.6866

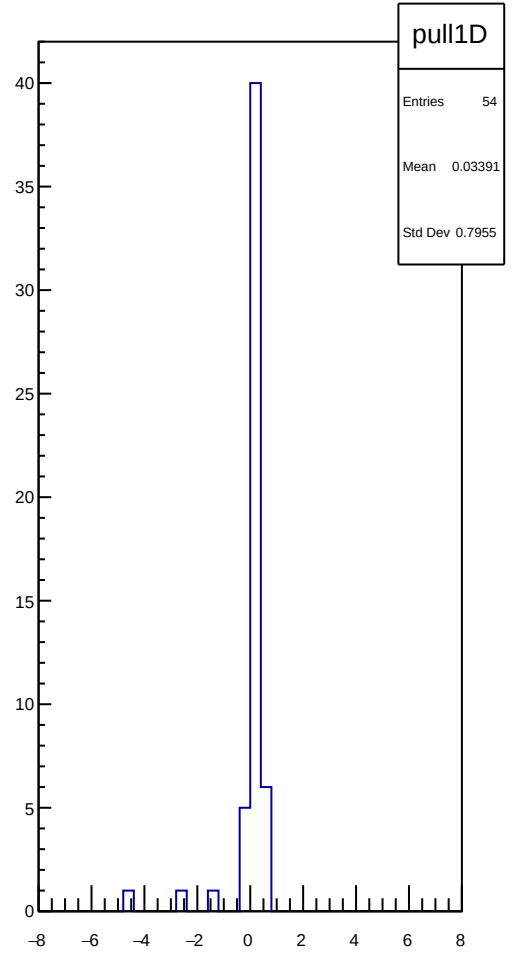

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ² / ndf 26.37 / 53
p0 0.2871± 0.0433
pull
Entries 54
Mean 265.1
Std Dev 0
pull1D
Entries 54
Mean −0.01704
Std Dev 0.6986

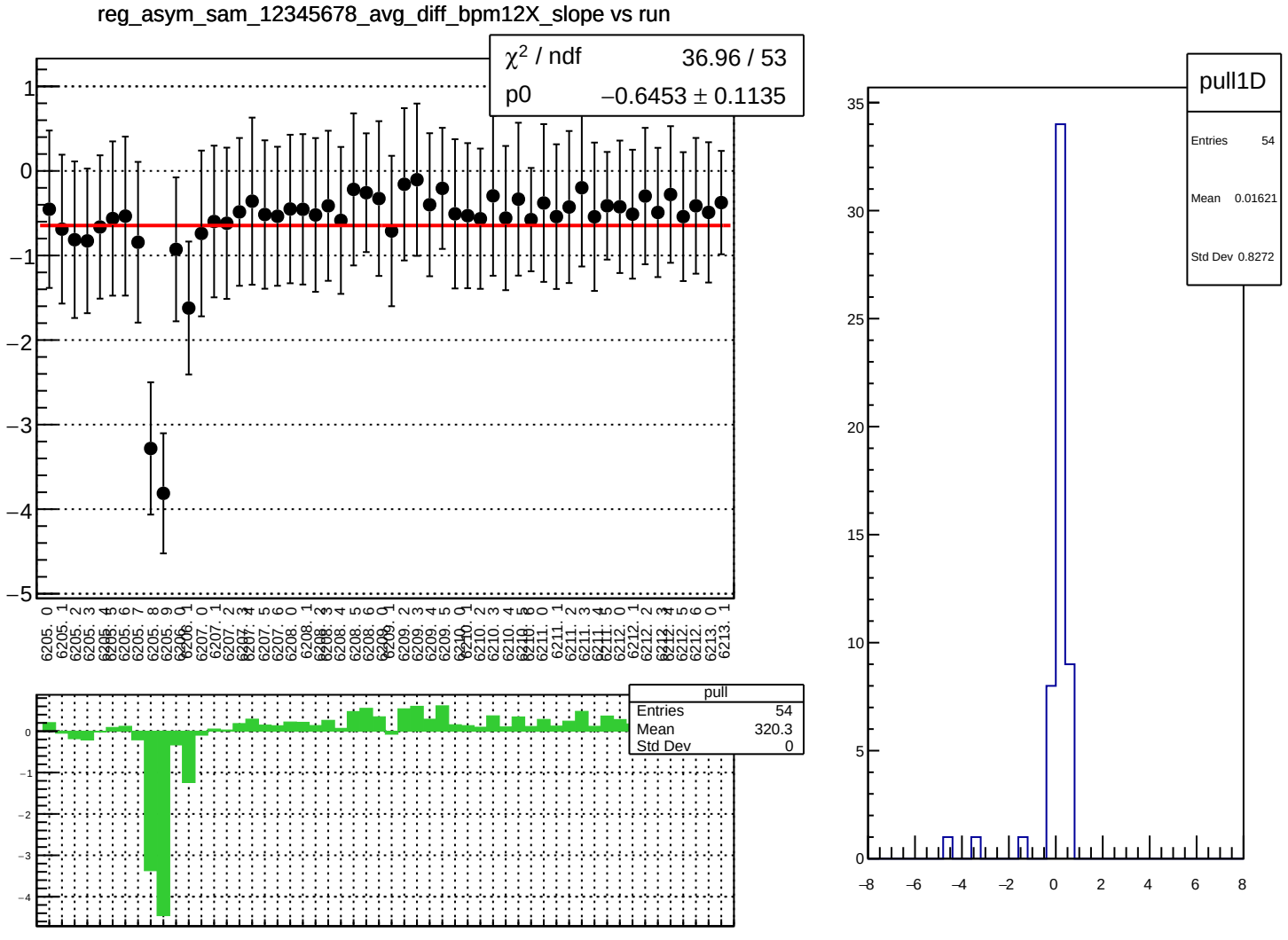

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs run
χ² / ndf 94.38 / 53
p0 −4.686 ± 1.259
pull
Entries 54
Mean 124.4
Std Dev 0
pull1D
Entries 54
Mean 0.07985
Std Dev 1.32

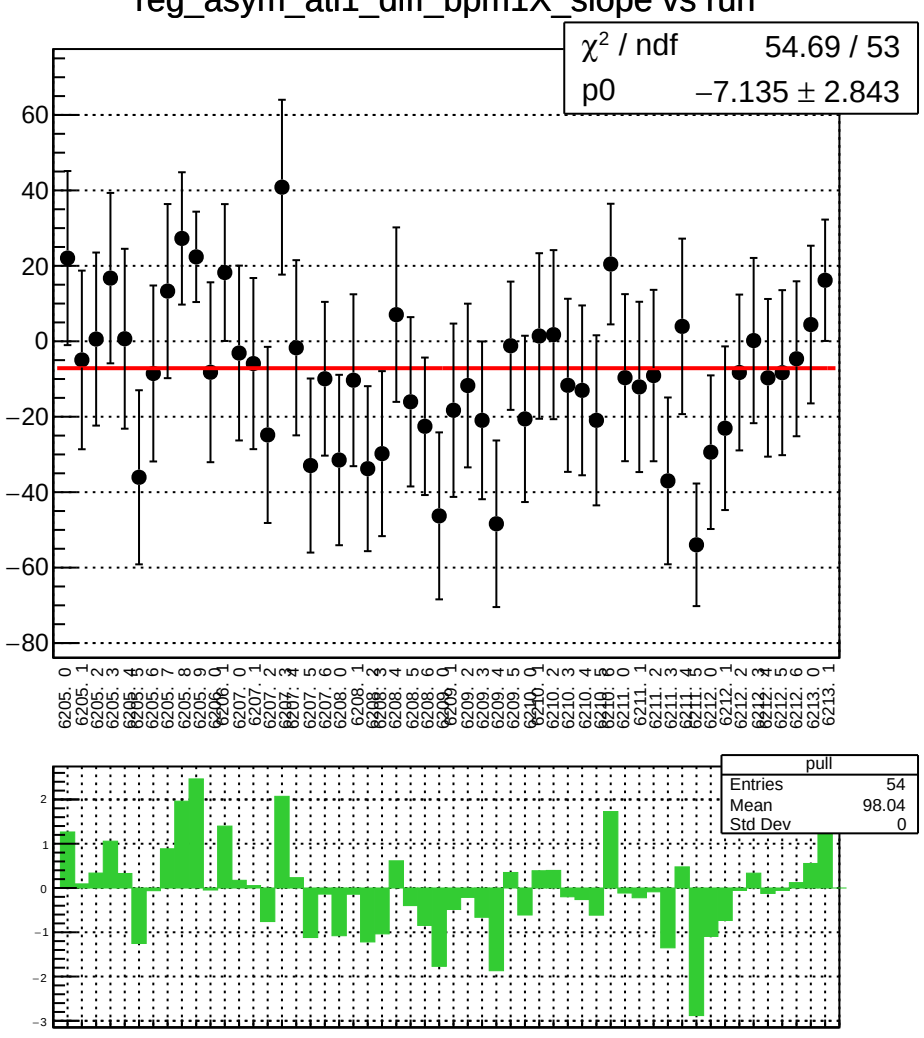

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run
χ² / ndf 37.55 / 53
p0 −4.439 ± 1.233
pull
Entries 54
Mean 142
Std Dev 0
pull1D
Entries 54
Mean −0.0276
Std Dev 0.8334

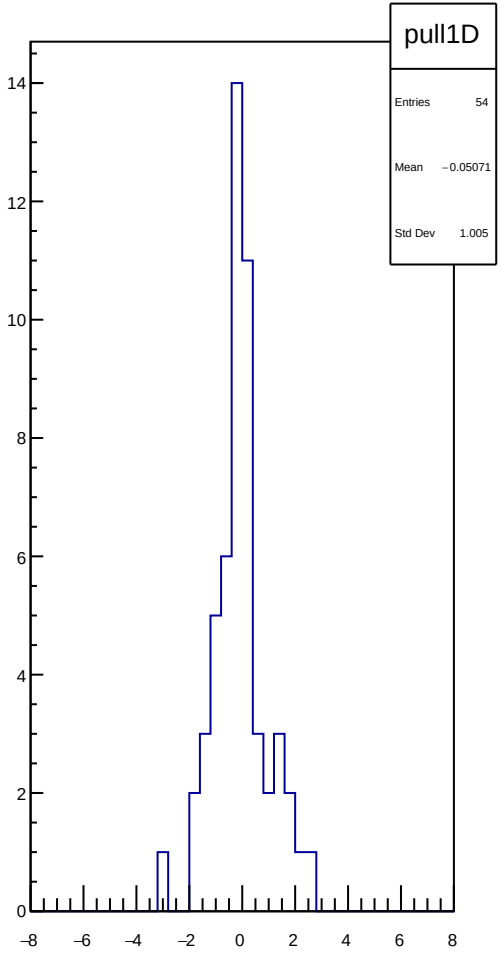

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run
χ² / ndf 74.03 / 53
p0 −65.19 ± 1.38
pull
Entries 54
Mean 106.1
Std Dev 0
pull1D
Entries 54
Mean −0.08278
Std Dev 1.168

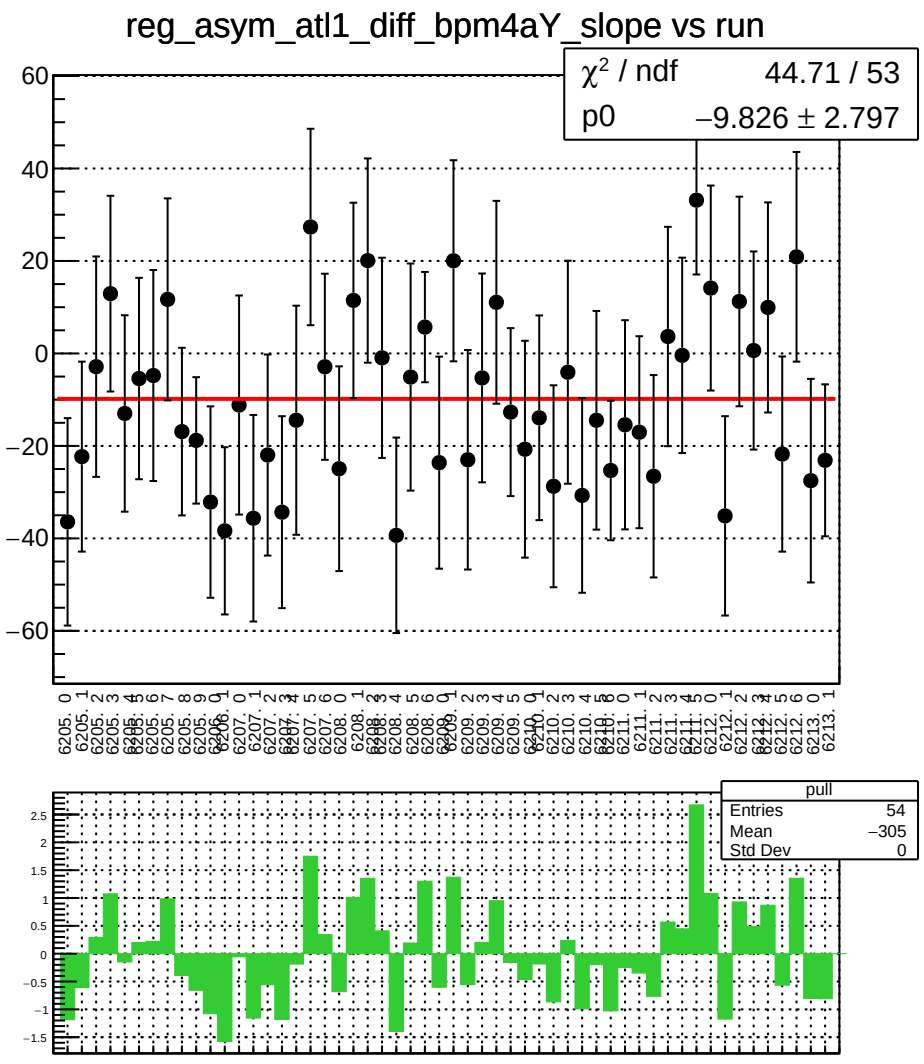

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run
χ² / ndf 34.23 / 53
p0 43.9 ± 1.376
pull
Entries 54
Mean 97.5
Std Dev 0

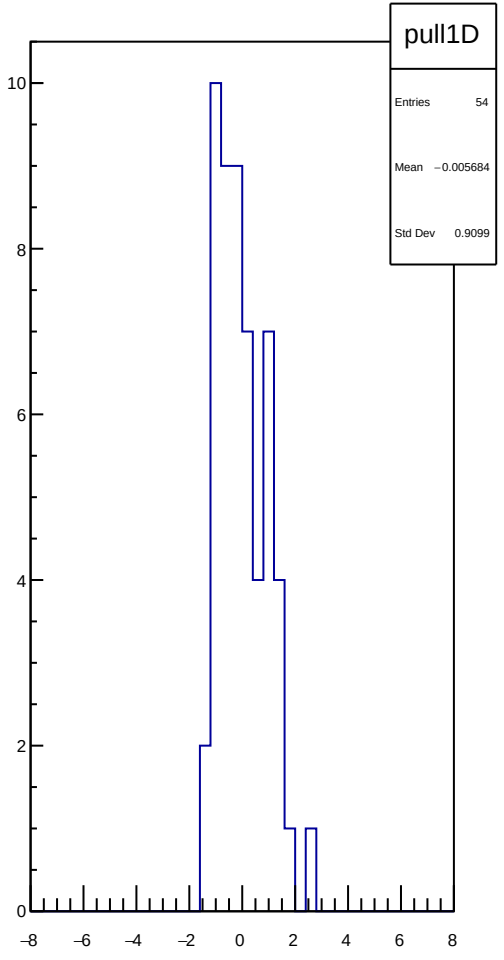

pull1D
Entries 54
Mean 0.03391
Std Dev 0.7955

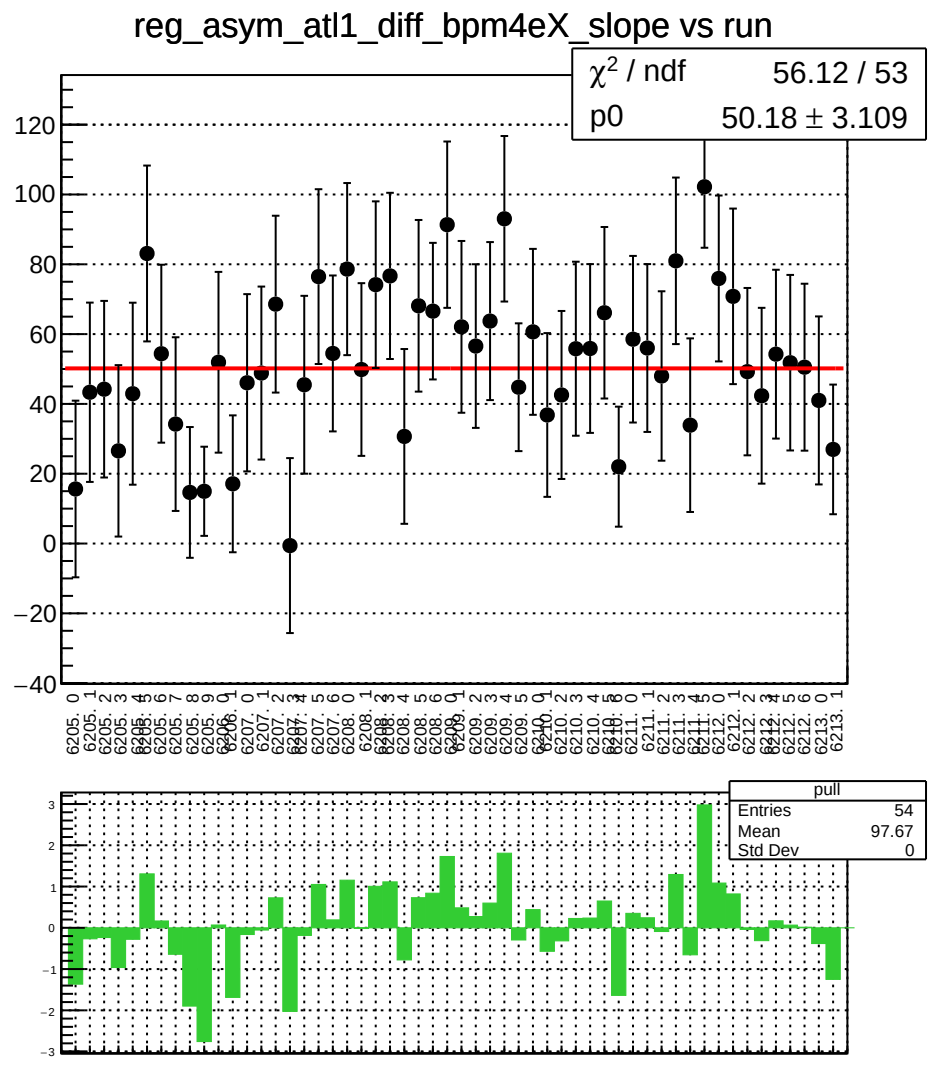

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run
χ² / ndf 36.96 / 53
p0 −0.6453 ± 0.1135
pull
Entries 54
Mean 320.3
Std Dev 0
pull1D
Entries 54
Mean 0.01621
Std Dev 0.8272

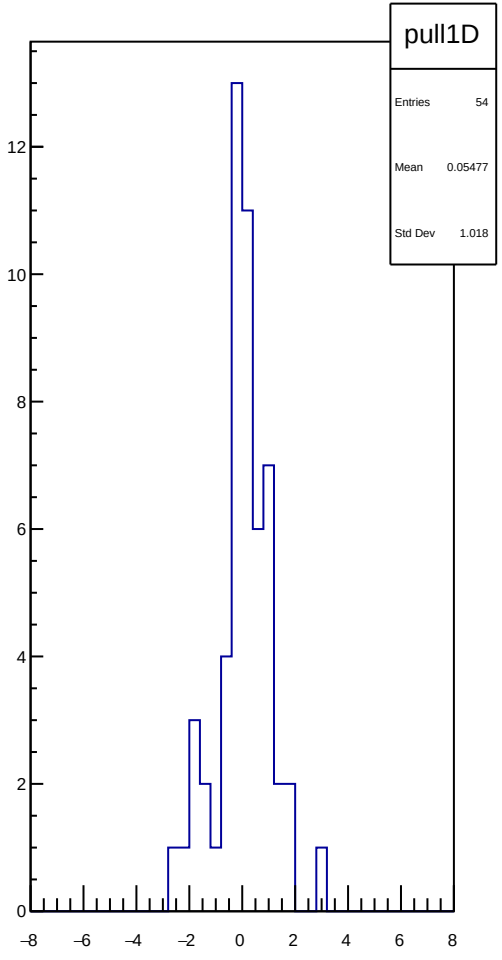

reg_asym_atl1_diff_bpm1X_slope vs run
χ² / ndf 54.69 / 53
p0 −7.135 ± 2.843
pull
Entries 54
Mean 98.04
Std Dev 0

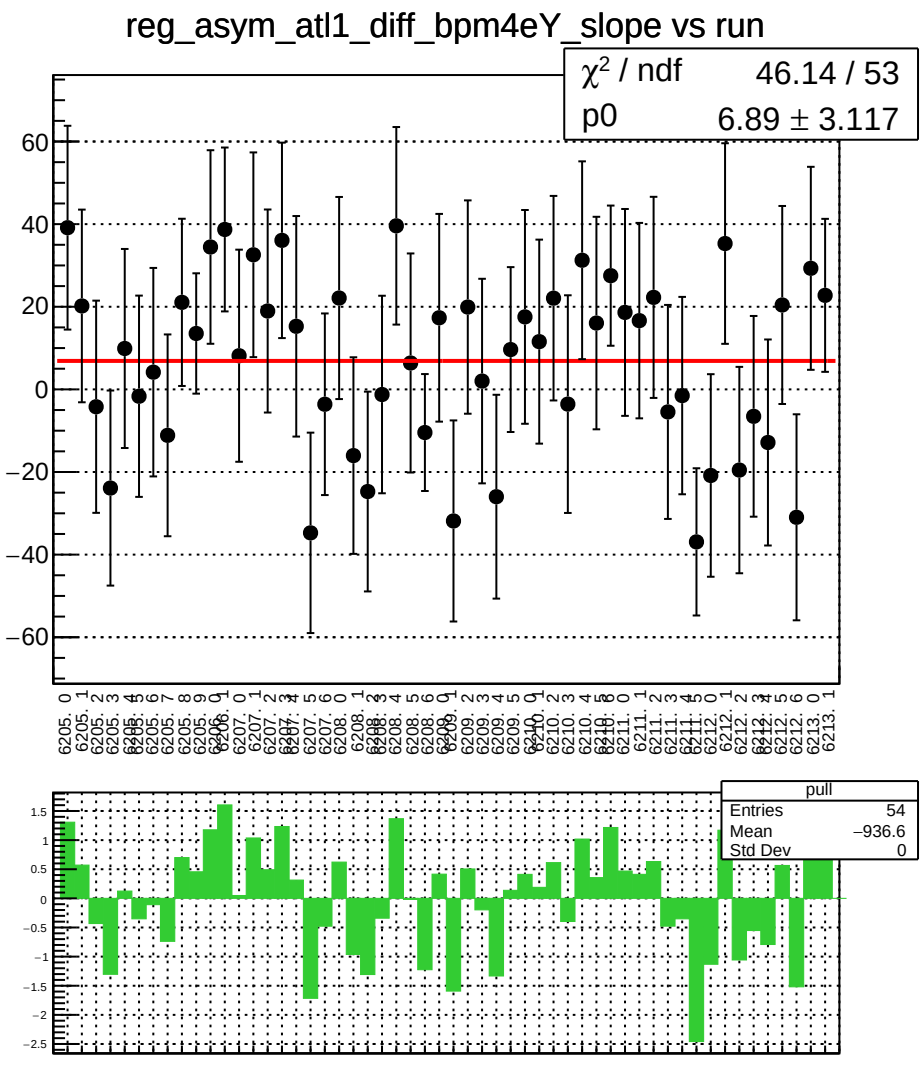

pull1D
Entries 54
Mean −0.05071
Std Dev 1.005

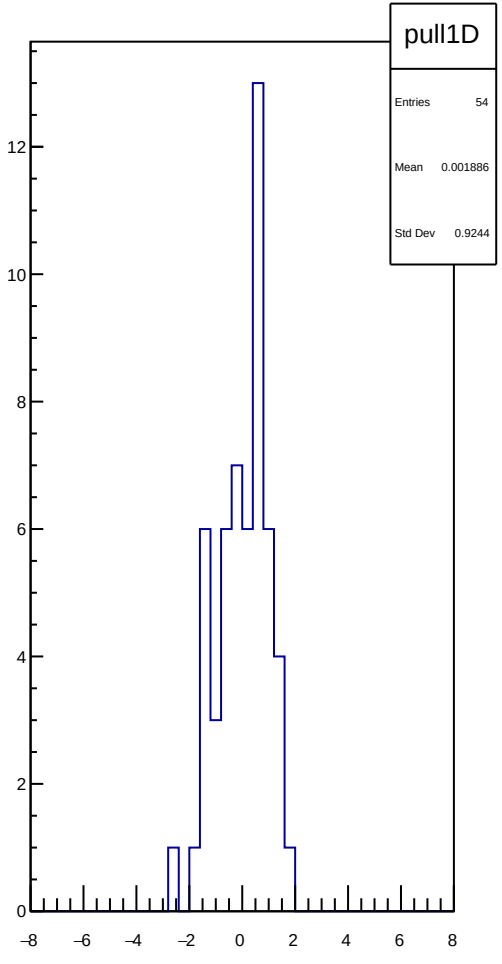

reg_asym_atl1_diff_bpm4aY_slope vs run
χ² / ndf 44.71 / 53
p0 −9.826 ± 2.797
pull
Entries 54
Mean −305
Std Dev 0

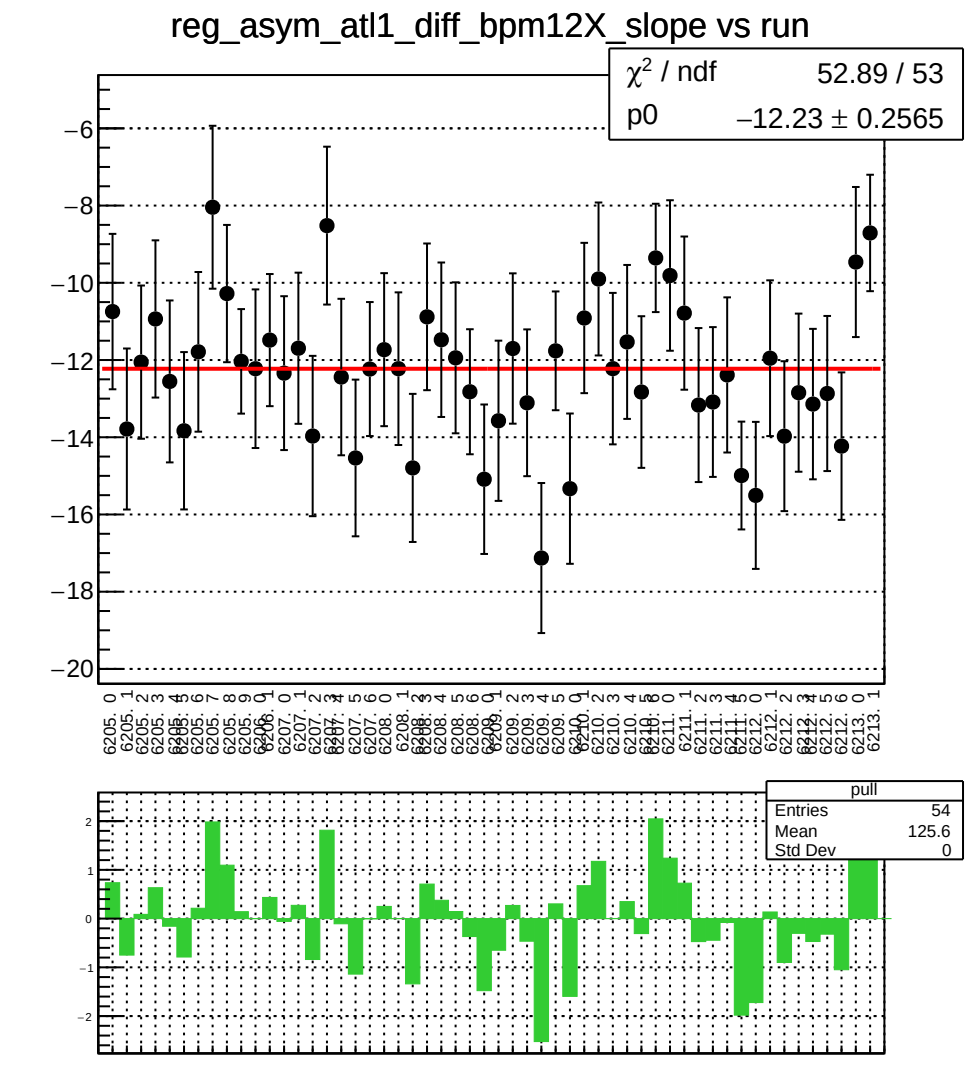

pull1D
Entries 54
Mean −0.005684
Std Dev 0.9099

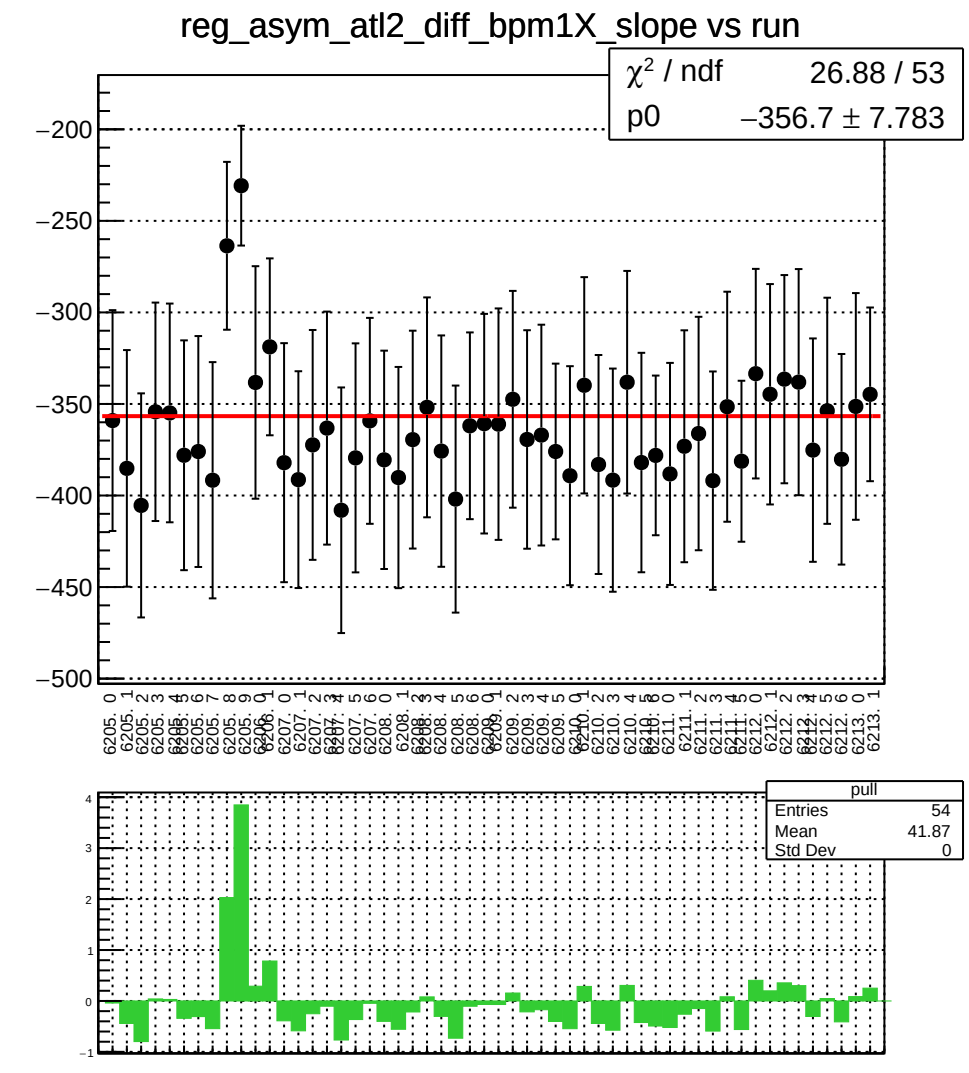

reg_asym_atl1_diff_bpm4eX_slope vs run
χ² / ndf 56.12 / 53
p0 50.18 ± 3.109
pull
Entries 54
Mean 97.67
Std Dev 0

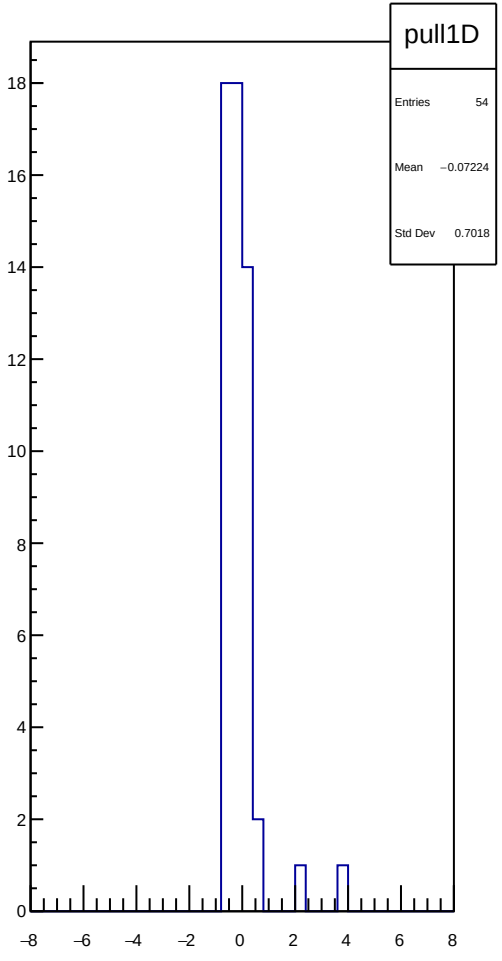

pull1D
Entries 54
Mean 0.05477
Std Dev 1.018

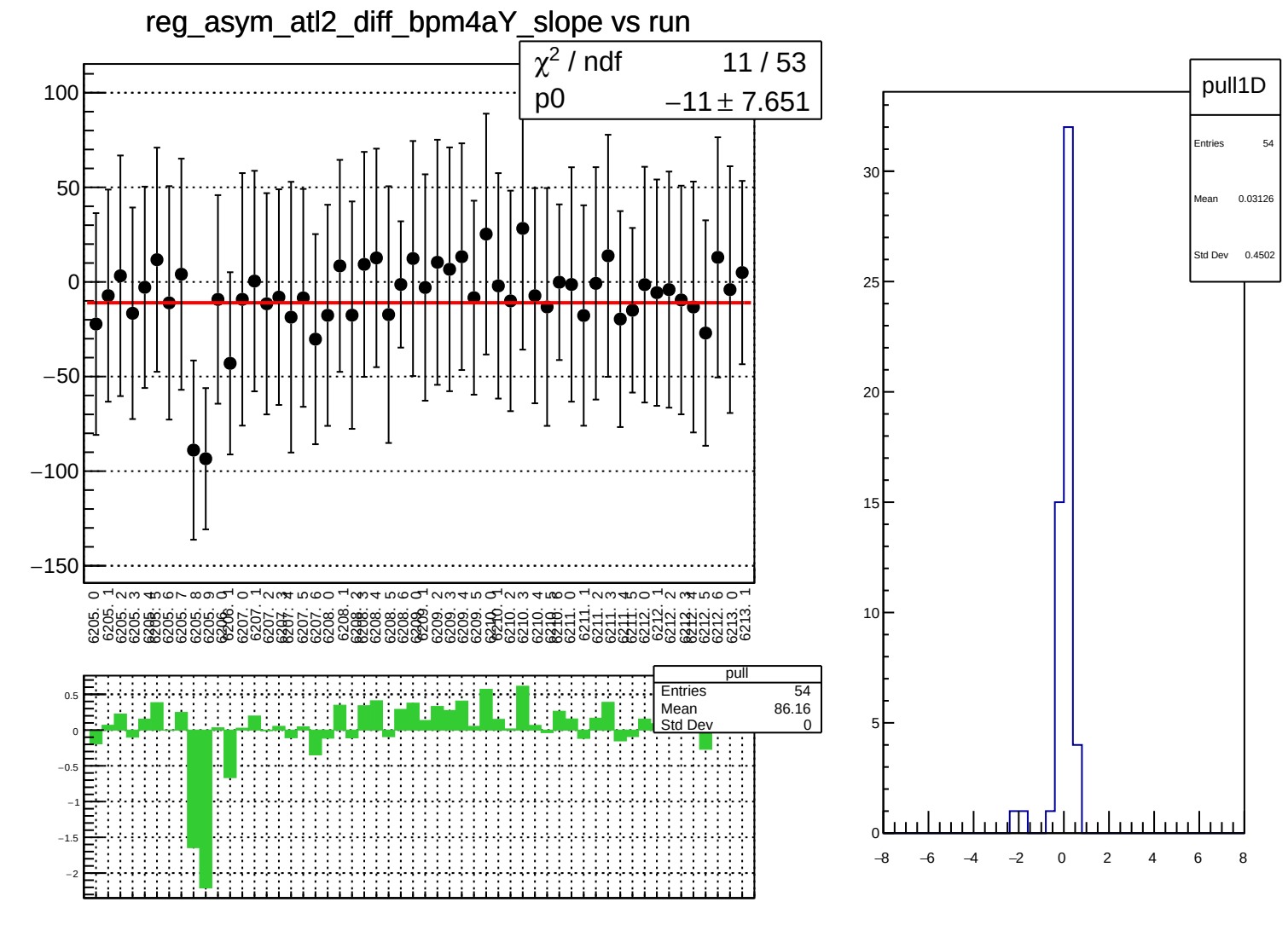

reg_asym_atl1_diff_bpm4eY_slope vs run
χ² / ndf 46.14 / 53
p0 6.89 ± 3.117
pull
Entries 54
Mean −936.6
Std Dev 0

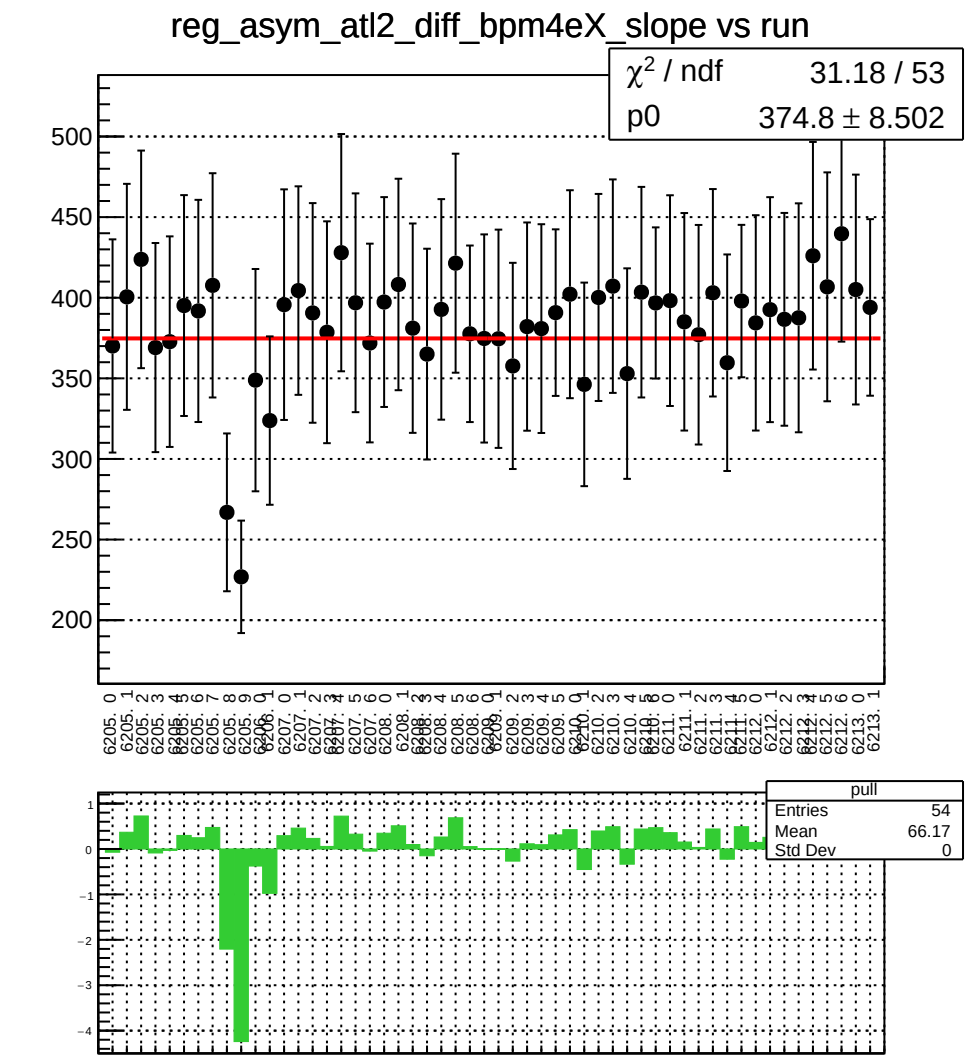

pull1D
Entries 54
Mean 0.001886
Std Dev 0.9244

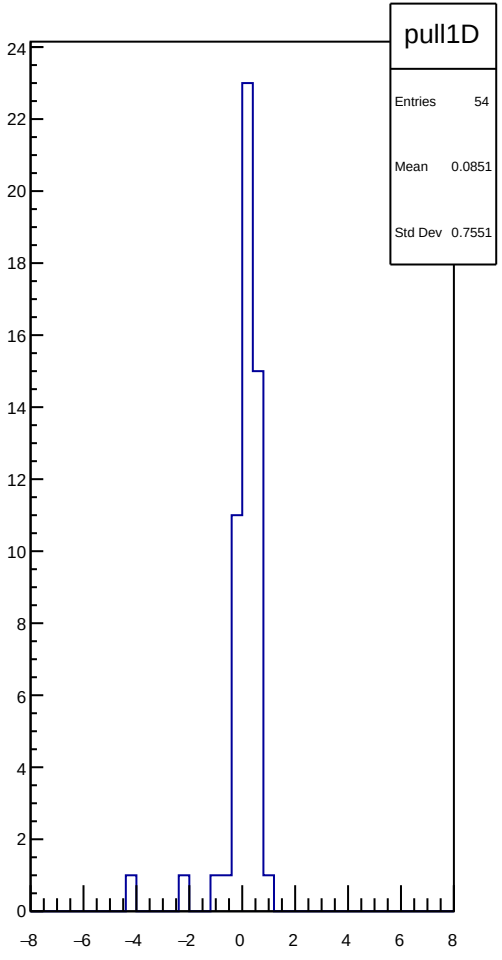

reg_asym_atl1_diff_bpm12X_slope vs run
χ² / ndf 52.89 / 53
p0 −12.23 ± 0.2565
pull
Entries 54
Mean 125.6
Std Dev 0
pull1D
Entries 54
Mean −0.0138
Std Dev 0.9895

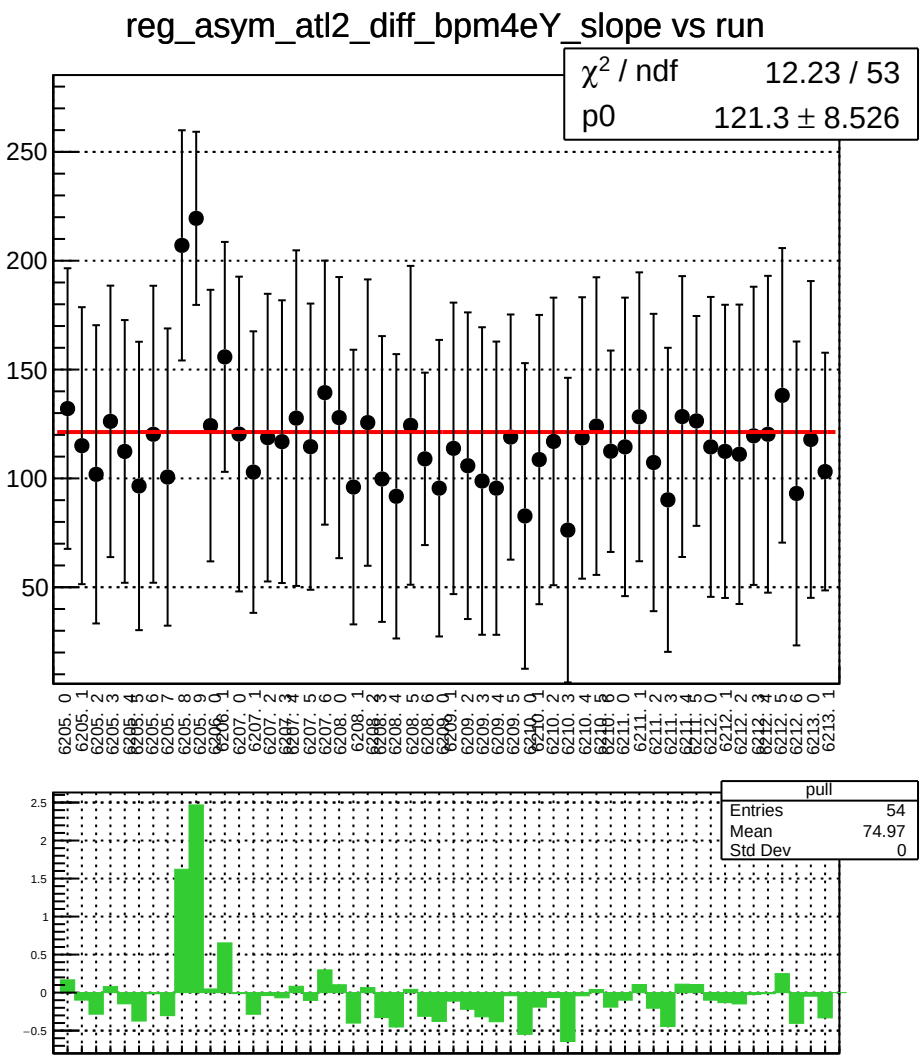

reg_asym_atl2_diff_bpm1X_slope vs run
χ² / ndf 26.88 / 53
p0 −356.7 ± 7.783
pull
Entries 54
Mean 41.87
Std Dev 0

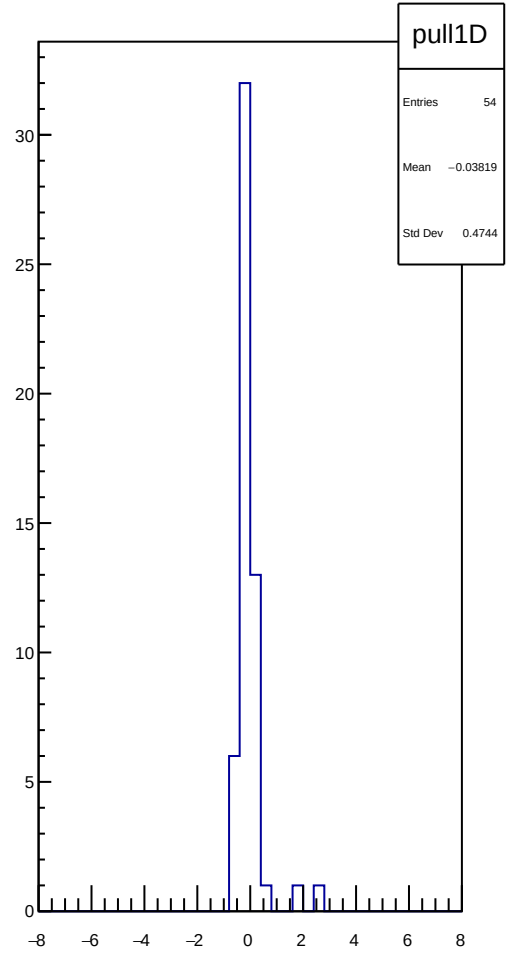

pull1D
Entries 54
Mean −0.07224
Std Dev 0.7018

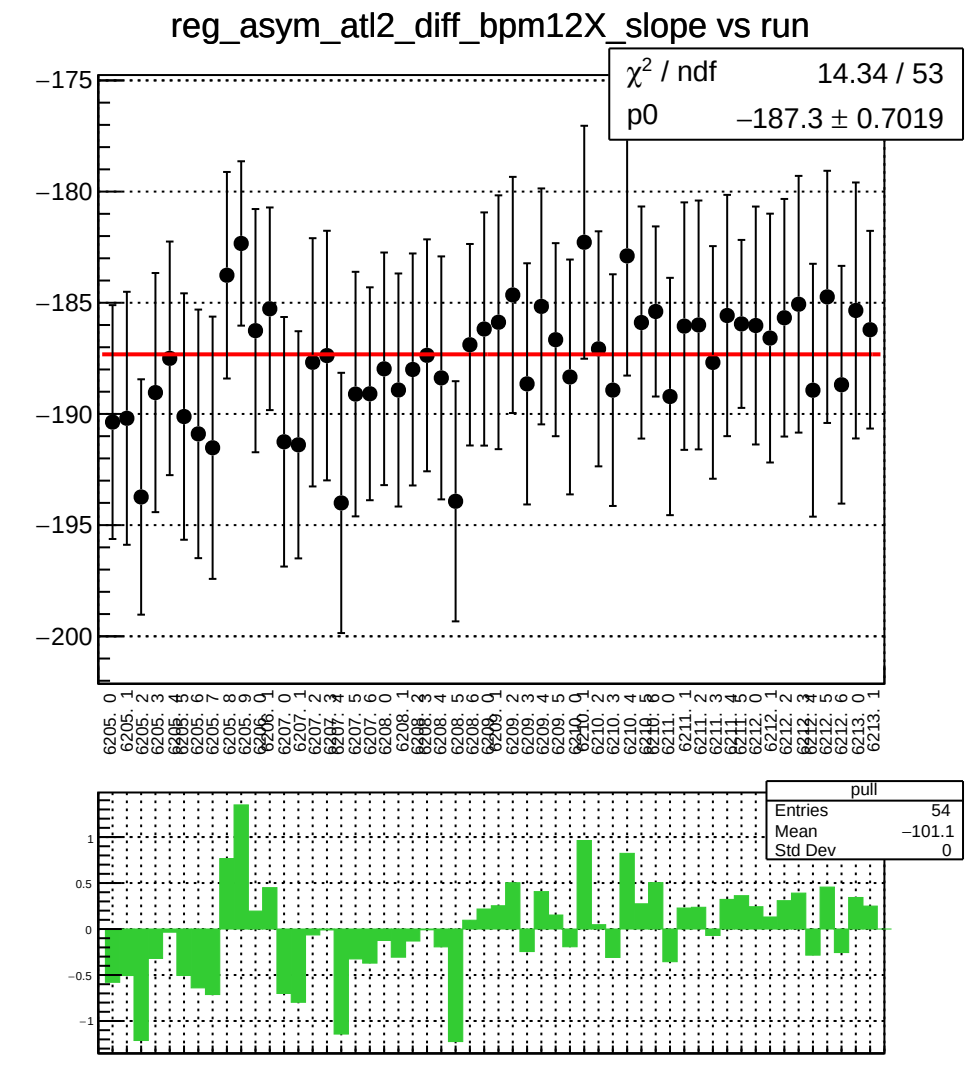

reg_asym_atl2_diff_bpm4aY_slope vs run
χ² / ndf 11 / 53
p0 −11 ± 7.651
pull
Entries 54
Mean 86.16
Std Dev 0
pull1D
Entries 54
Mean 0.03126
Std Dev 0.4502

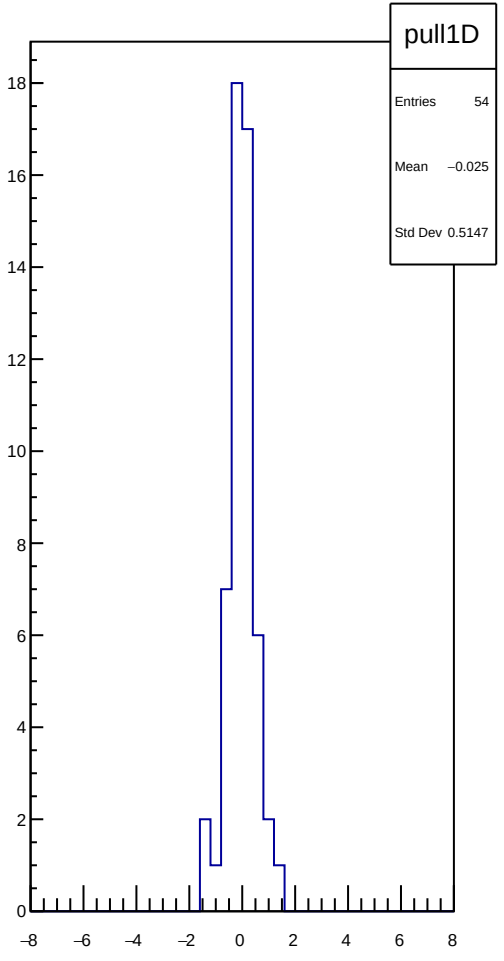

reg_asym_atl2_diff_bpm4eX_slope vs run
χ² / ndf 31.18 / 53
p0 374.8 ± 8.502
pull
Entries 54
Mean 66.17
Std Dev 0

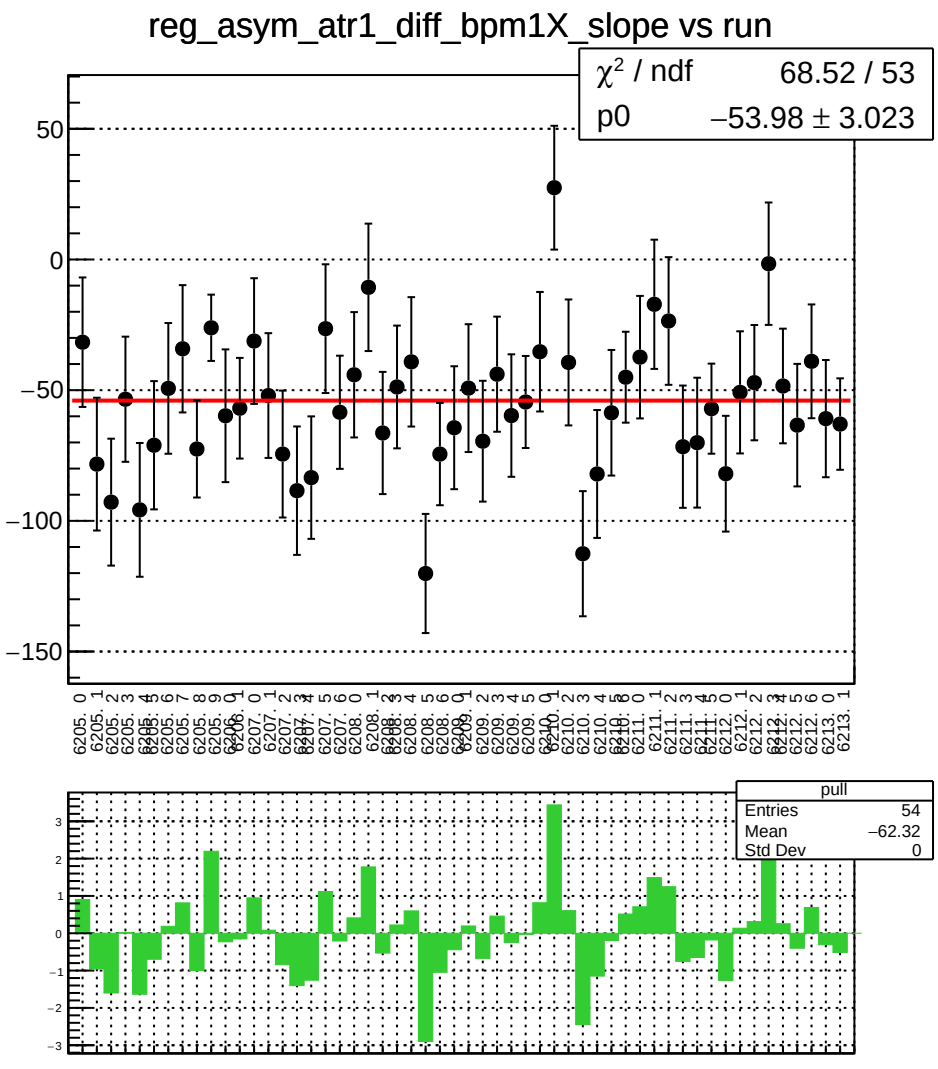

pull1D
Entries 54
Mean 0.0851
Std Dev 0.7551

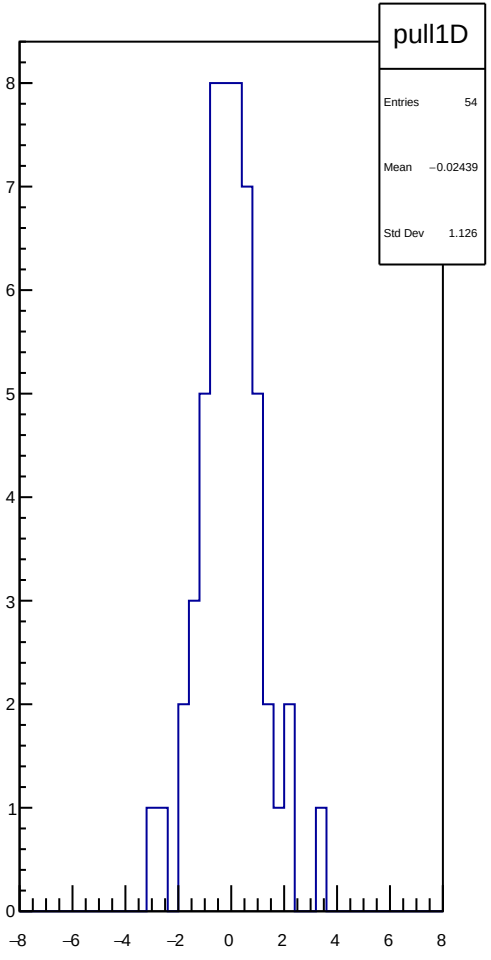

reg_asym_atl2_diff_bpm4eY_slope vs run
χ² / ndf 12.23 / 53
p0 121.3 ± 8.526
250
200
150
100
50
pull
Entries 54
Mean 74.97
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5

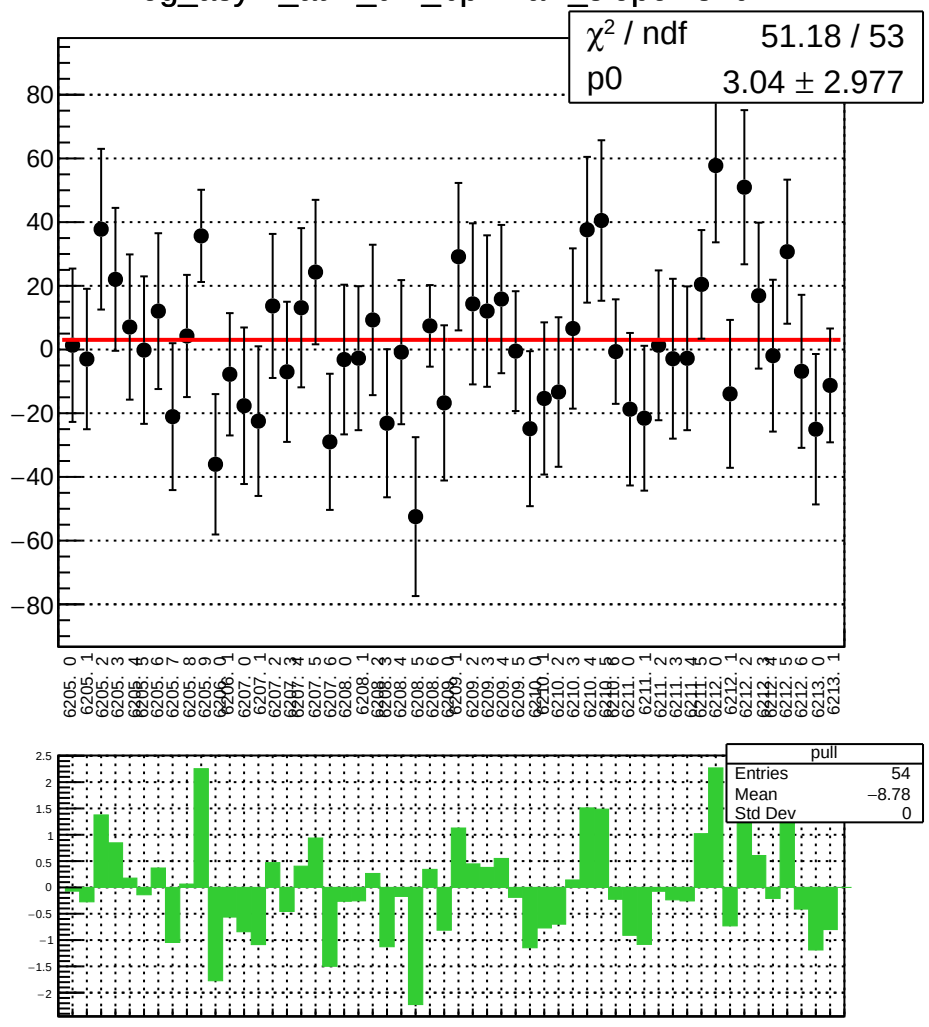

pull1D
Entries 54
Mean −0.03819
Std Dev 0.4744
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

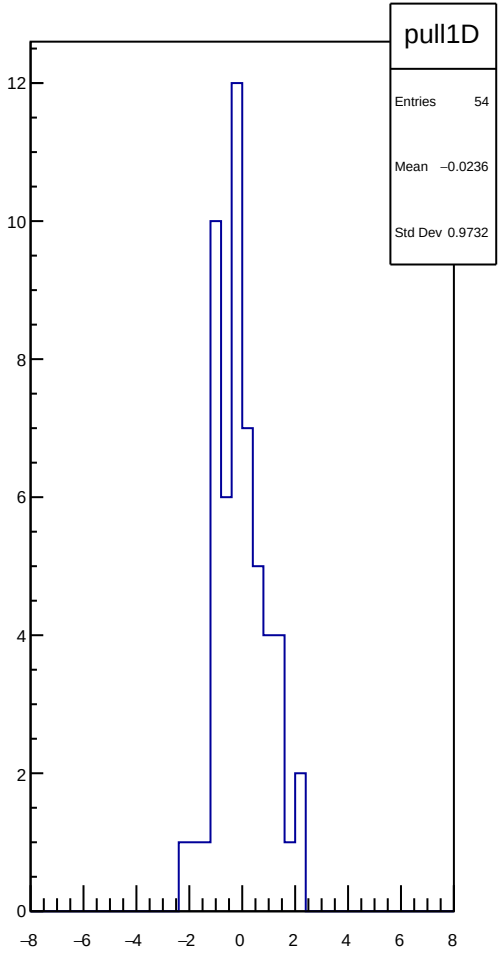

reg_asym_atl2_diff_bpm12X_slope vs run
χ² / ndf 14.34 / 53
p0 −187.3 ± 0.7019
pull
Entries 54
Mean −101.1
Std Dev 0

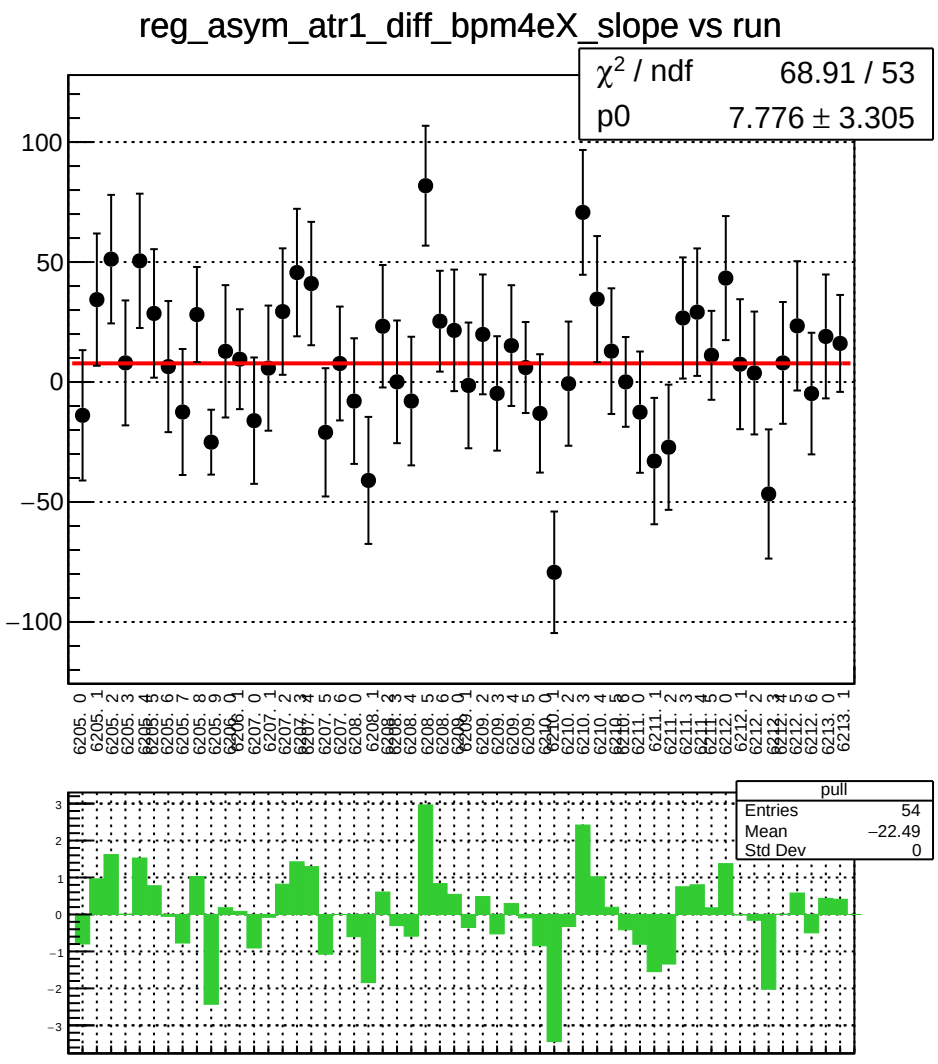

pull1D
Entries 54
Mean −0.025
Std Dev 0.5147

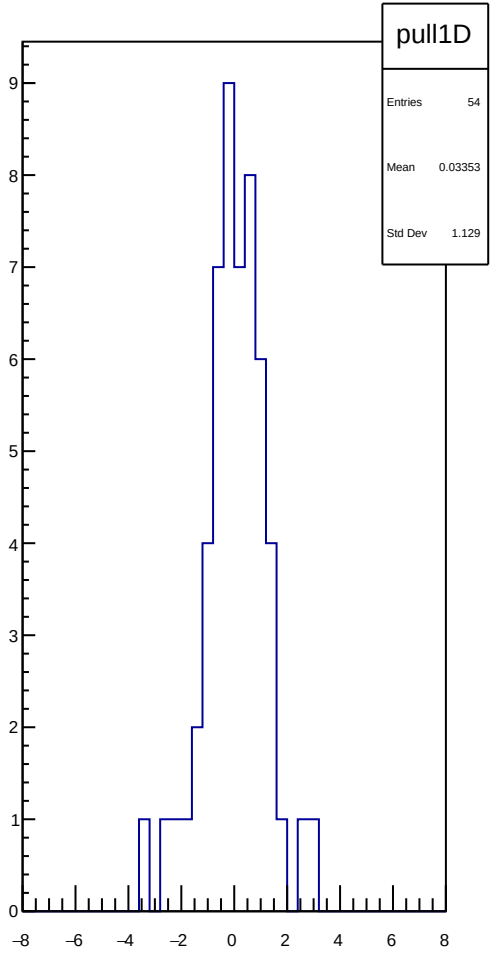

reg_asym_atr1_diff_bpm1X_slope vs run
χ² / ndf 68.52 / 53
p0 −53.98 ± 3.023
pull
Entries 54
Mean −62.32
Std Dev 0

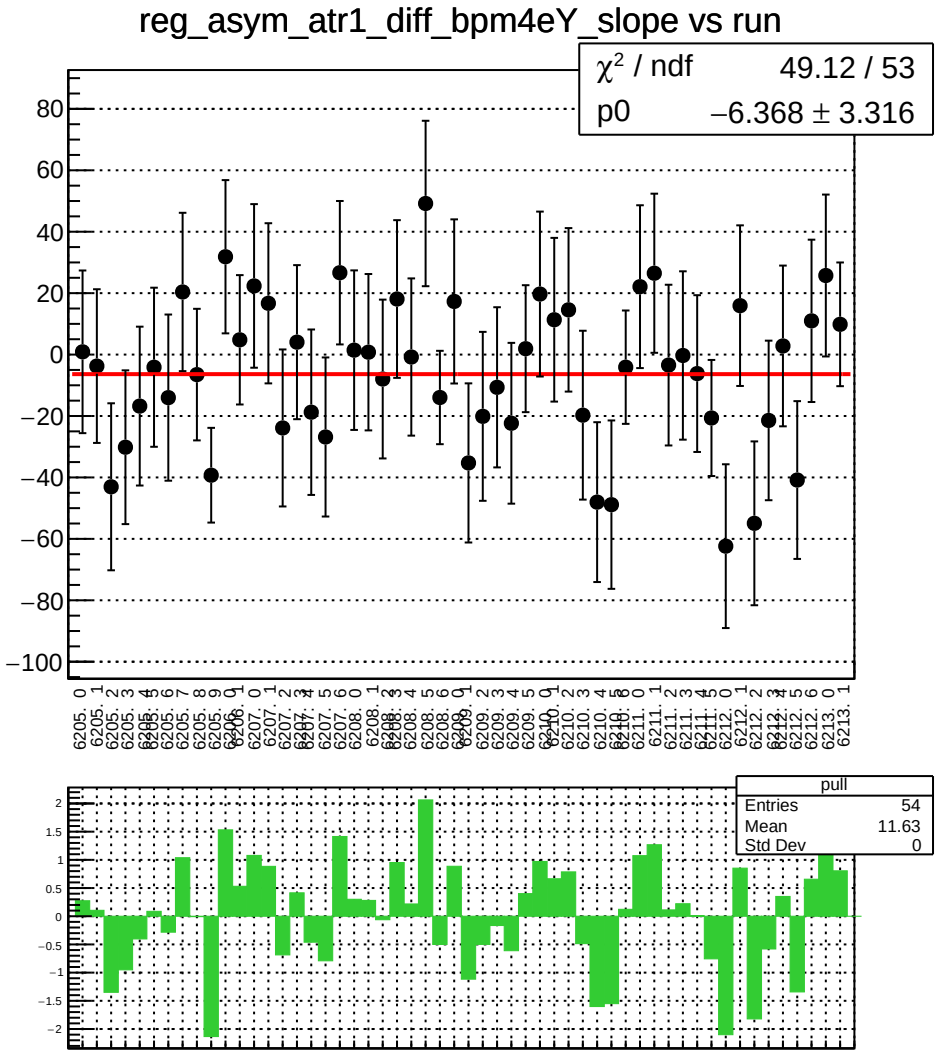

pull1D
Entries 54
Mean −0.02439
Std Dev 1.126

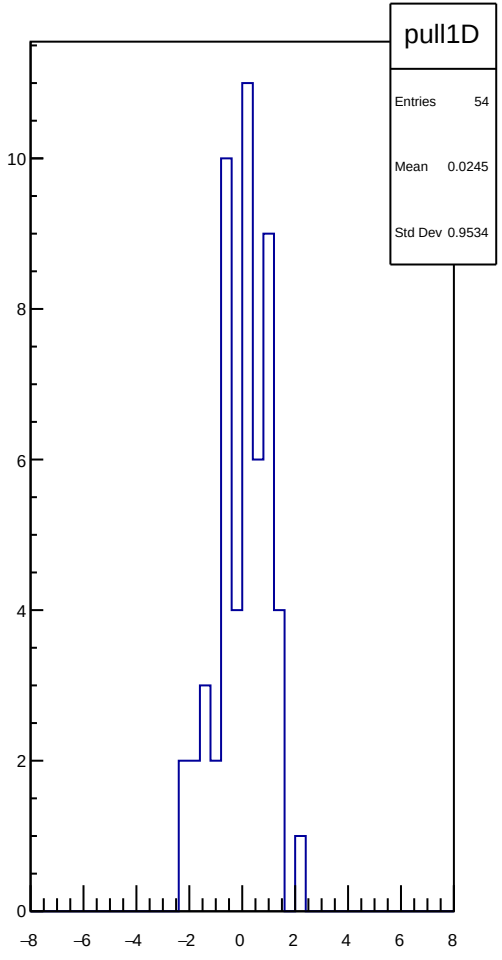

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 51.18 / 53
p0 3.04 ± 2.977
pull
Entries 54
Mean −8.78
Std Dev 0

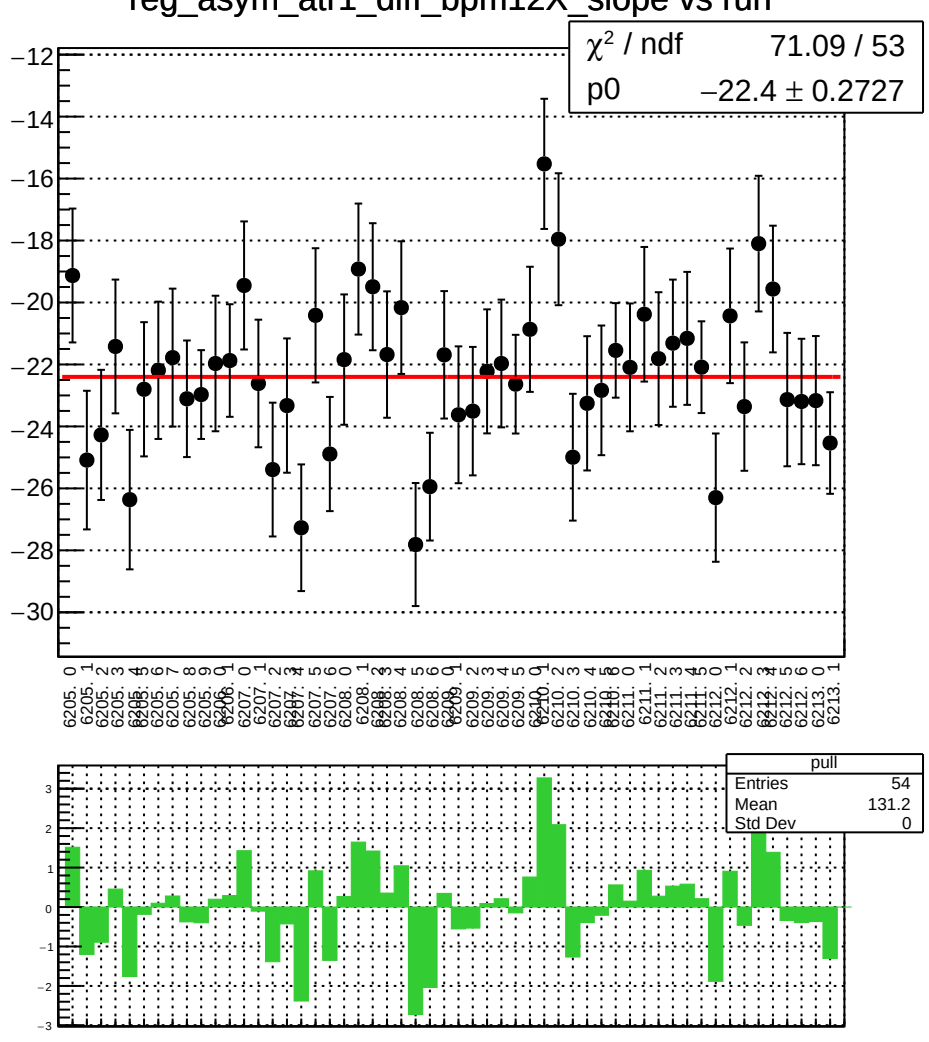

pull1D
Entries 54
Mean −0.0236
Std Dev 0.9732

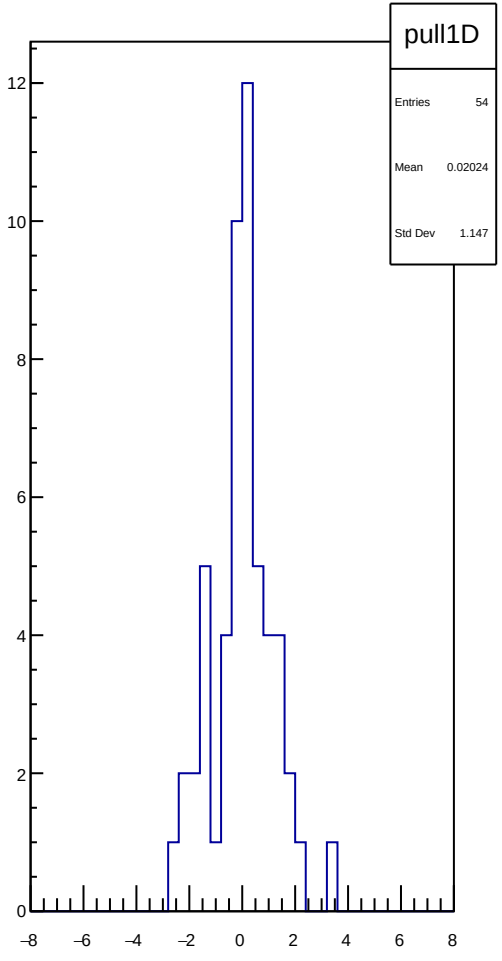

reg_asym_atr1_diff_bpm4eX_slope vs run
χ² / ndf 68.91 / 53
p0 7.776 ± 3.305
pull
Entries 54
Mean −22.49
Std Dev 0

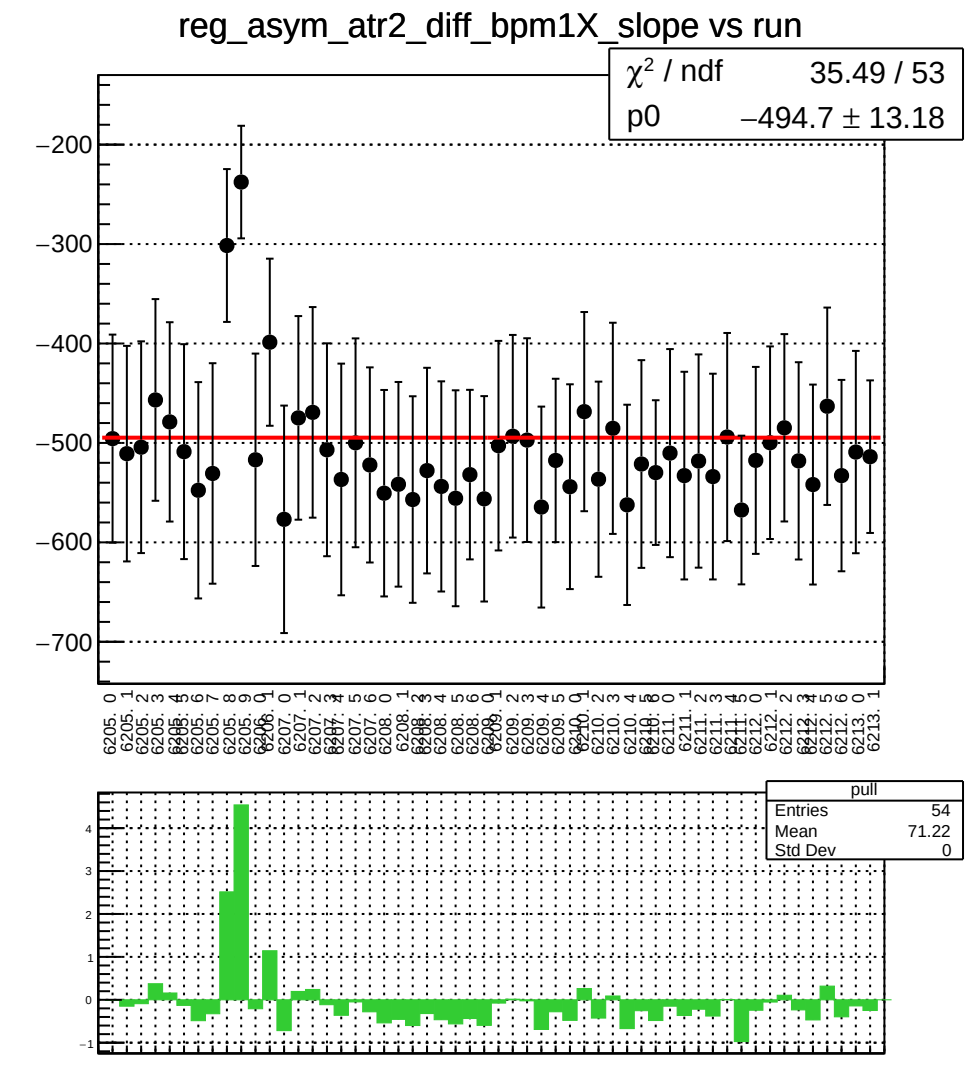

pull1D
Entries 54
Mean 0.03353
Std Dev 1.129

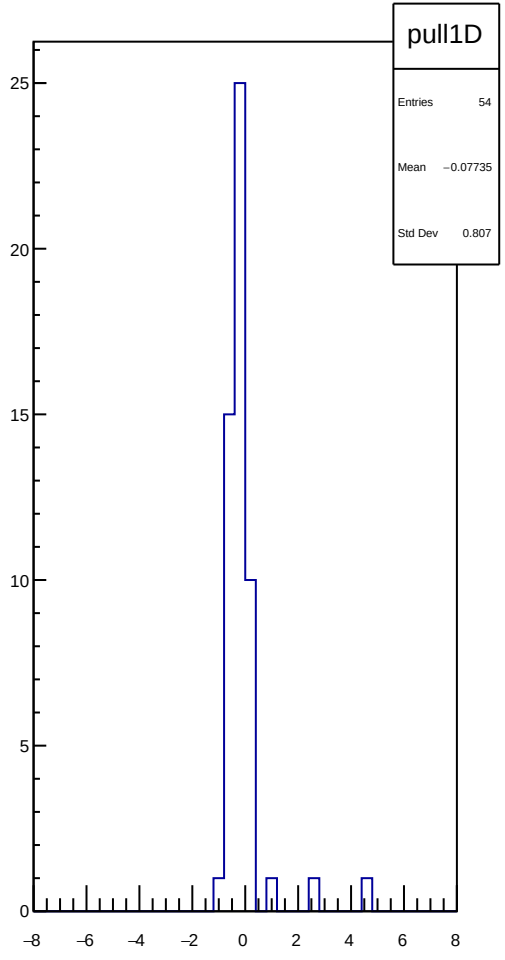

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 49.12 / 53
p0 −6.368 ± 3.316
pull
Entries 54
Mean 11.63
Std Dev 0

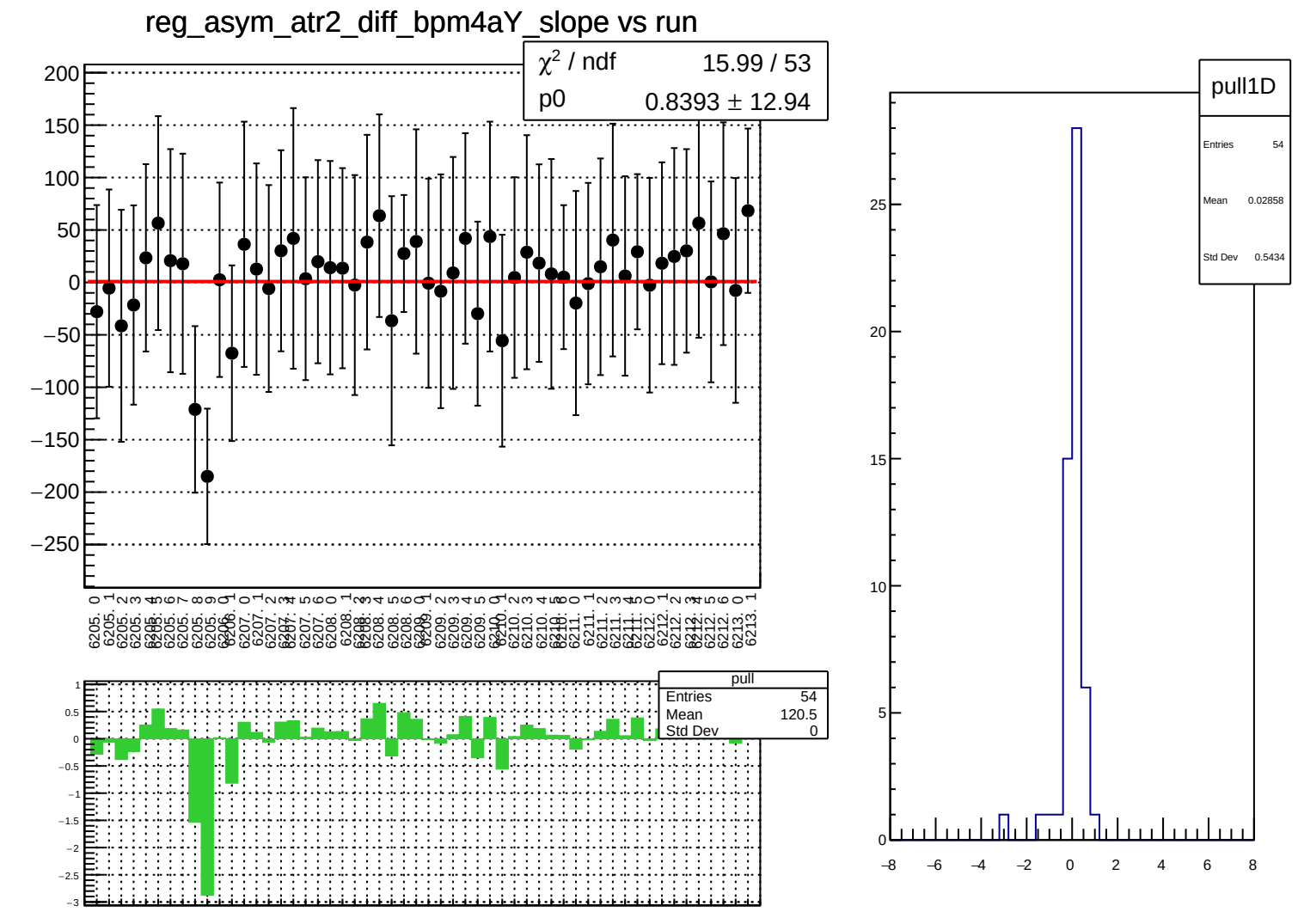

pull1D
Entries 54
Mean 0.0245
Std Dev 0.9534

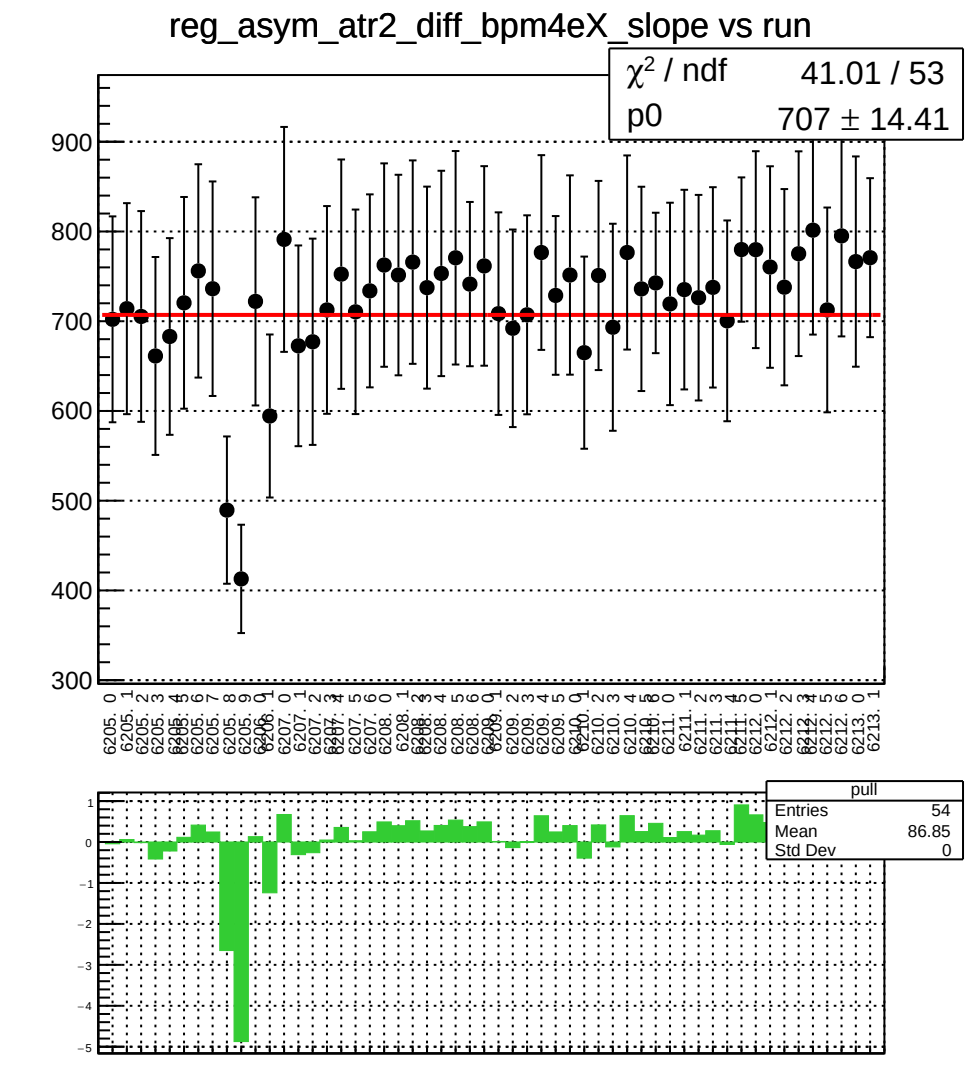

reg_asym_atr1_diff_bpm12X_slope vs run
χ² / ndf 71.09 / 53
p0 −22.4 ± 0.2727
pull
Entries 54
Mean 131.2
Std Dev 0

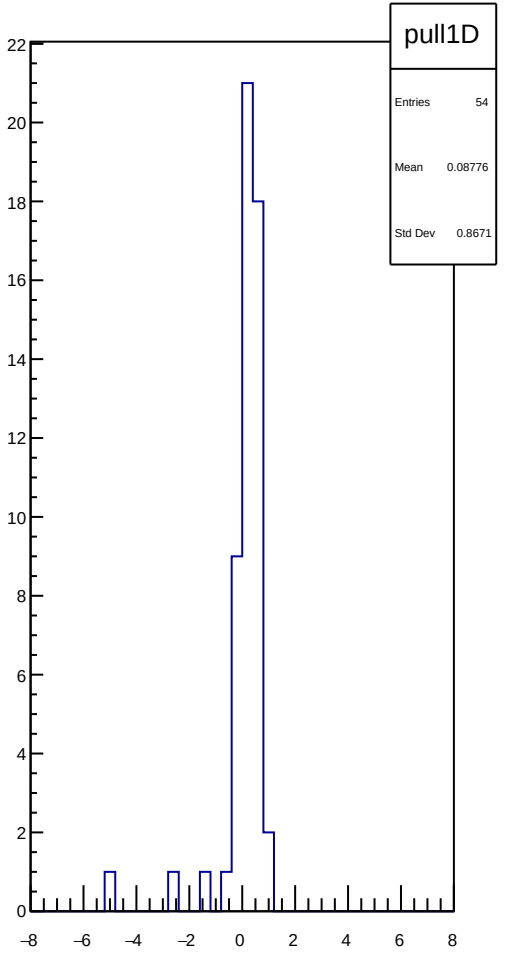

pull1D
Entries 54
Mean 0.02024
Std Dev 1.147

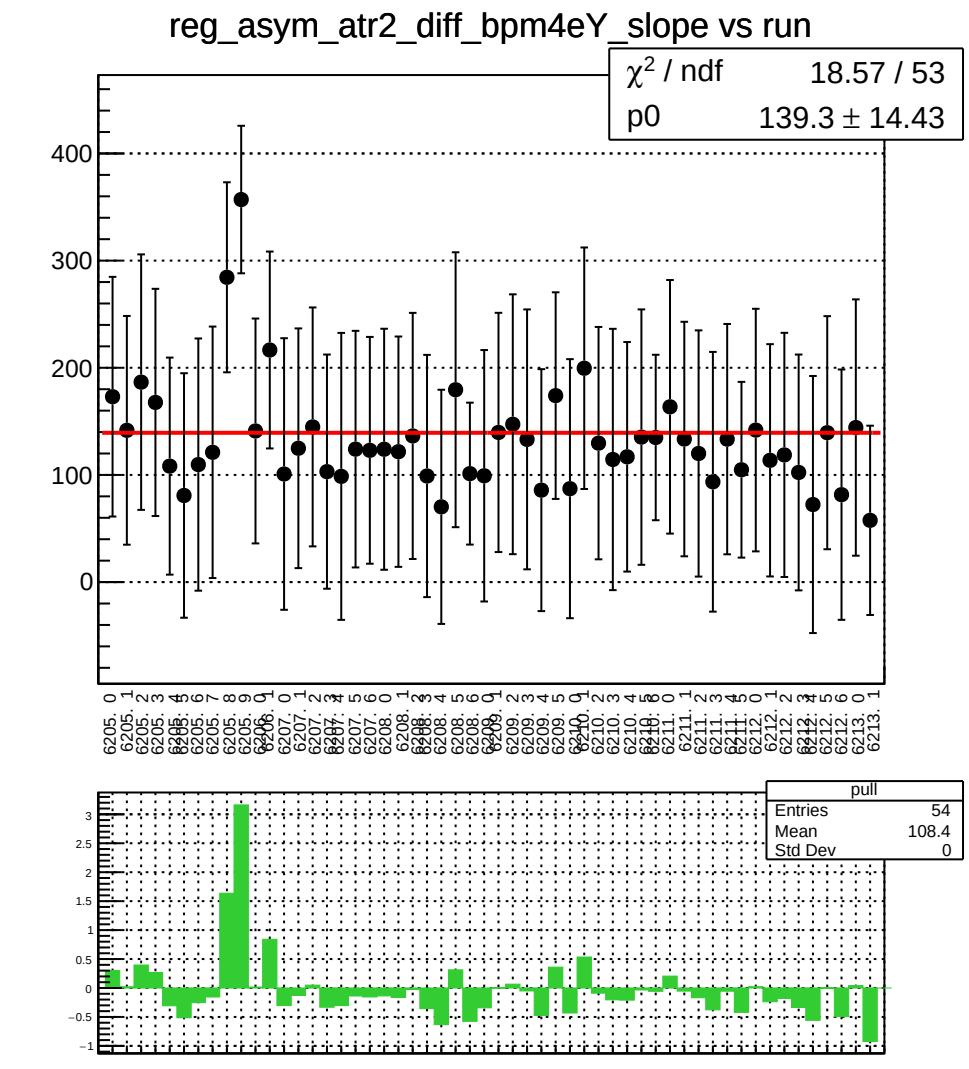

reg_asym_atr2_diff_bpm1X_slope vs run
χ² / ndf 35.49 / 53
p0 −494.7 ± 13.18
−200
−300
−400
−500
−600
−700
pull
Entries 54
Mean 71.22
Std Dev 0
4
3
2
1
0
−1

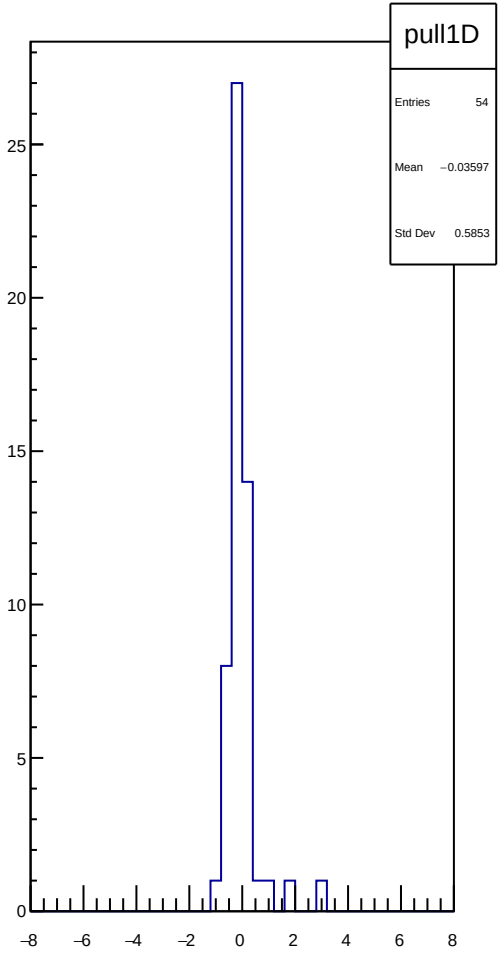

pull1D
Entries 54
Mean −0.07735
Std Dev 0.807
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

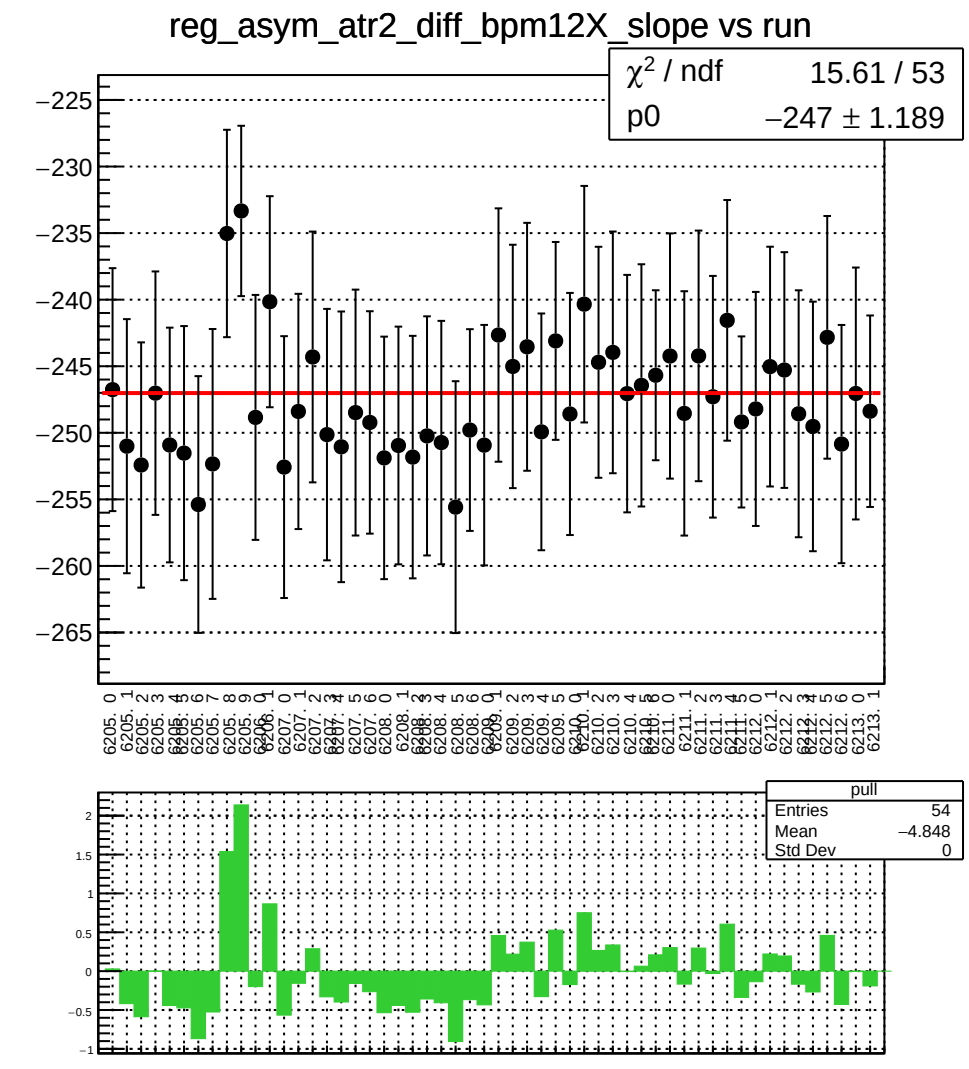

reg_asym_atr2_diff_bpm4aY_slope vs run
χ² / ndf 15.99 / 53
p0 0.8393 ± 12.94
pull
Entries 54
Mean 120.5
Std Dev 0
pull1D
Entries 54
Mean 0.02858
Std Dev 0.5434

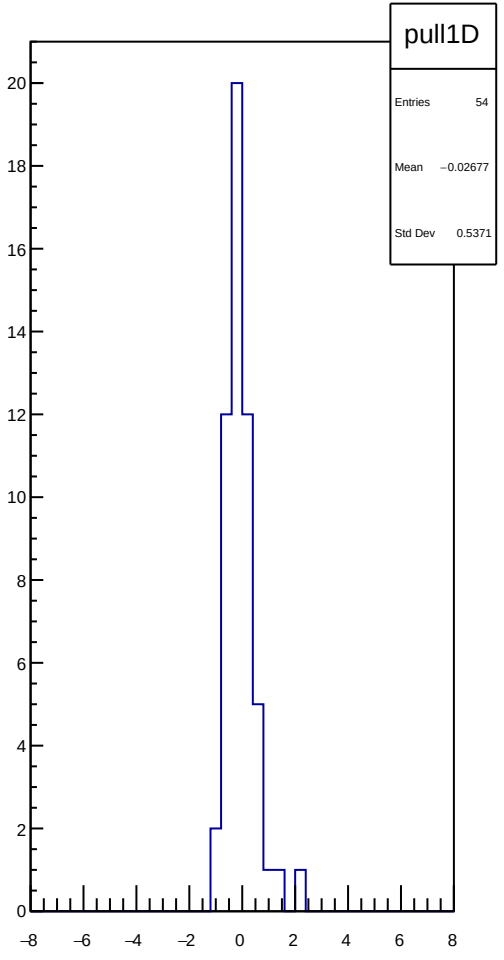

reg_asym_atr2_diff_bpm4eX_slope vs run
χ² / ndf 41.01 / 53
p0 707 ± 14.41
900
800
700
600
500
400
300
pull
Entries 54
Mean 86.85
Std Dev 0
1
0
−1
−2
−3
−4
−5

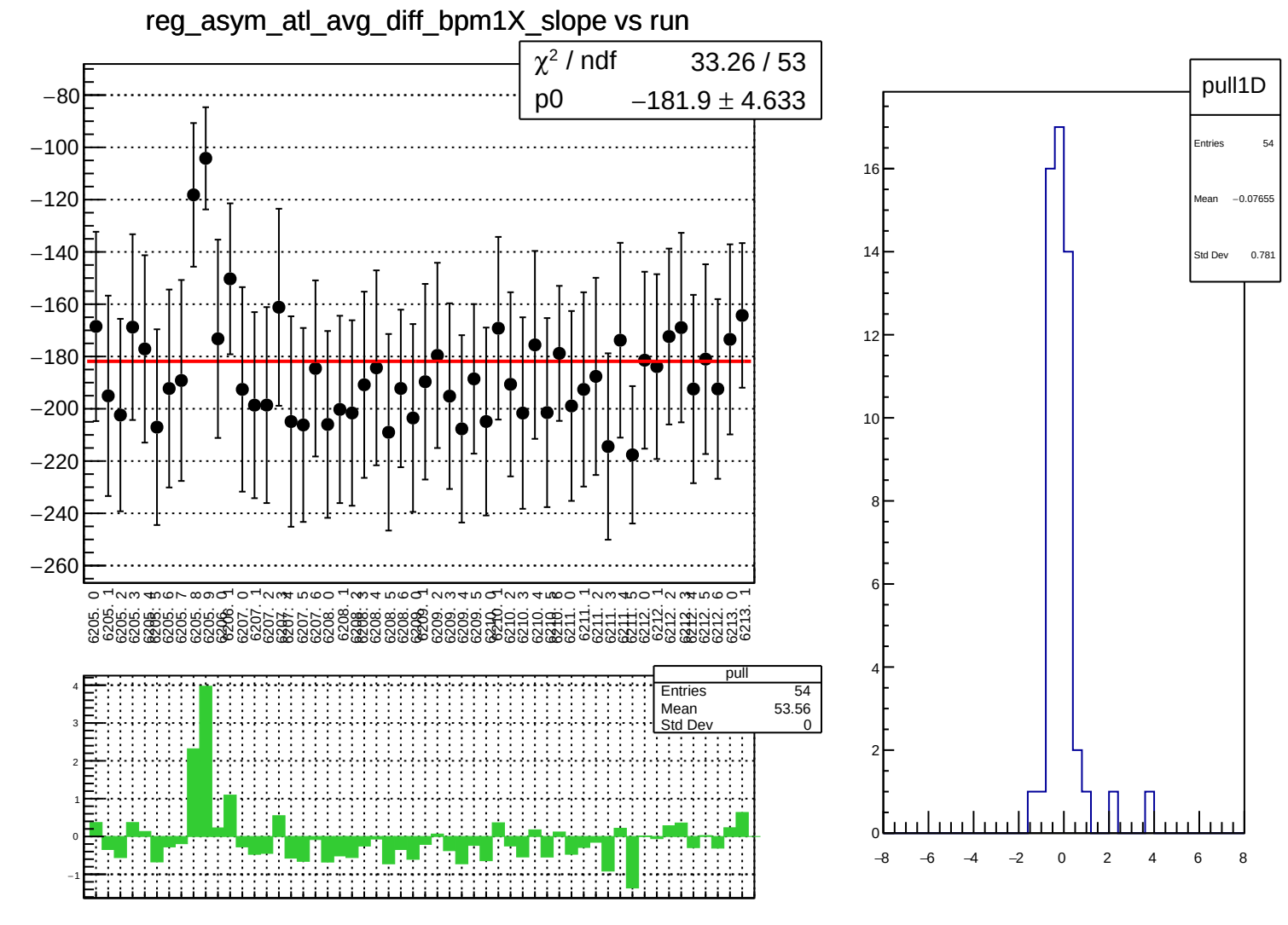

pull1D
Entries 54
Mean 0.08776
Std Dev 0.8671
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

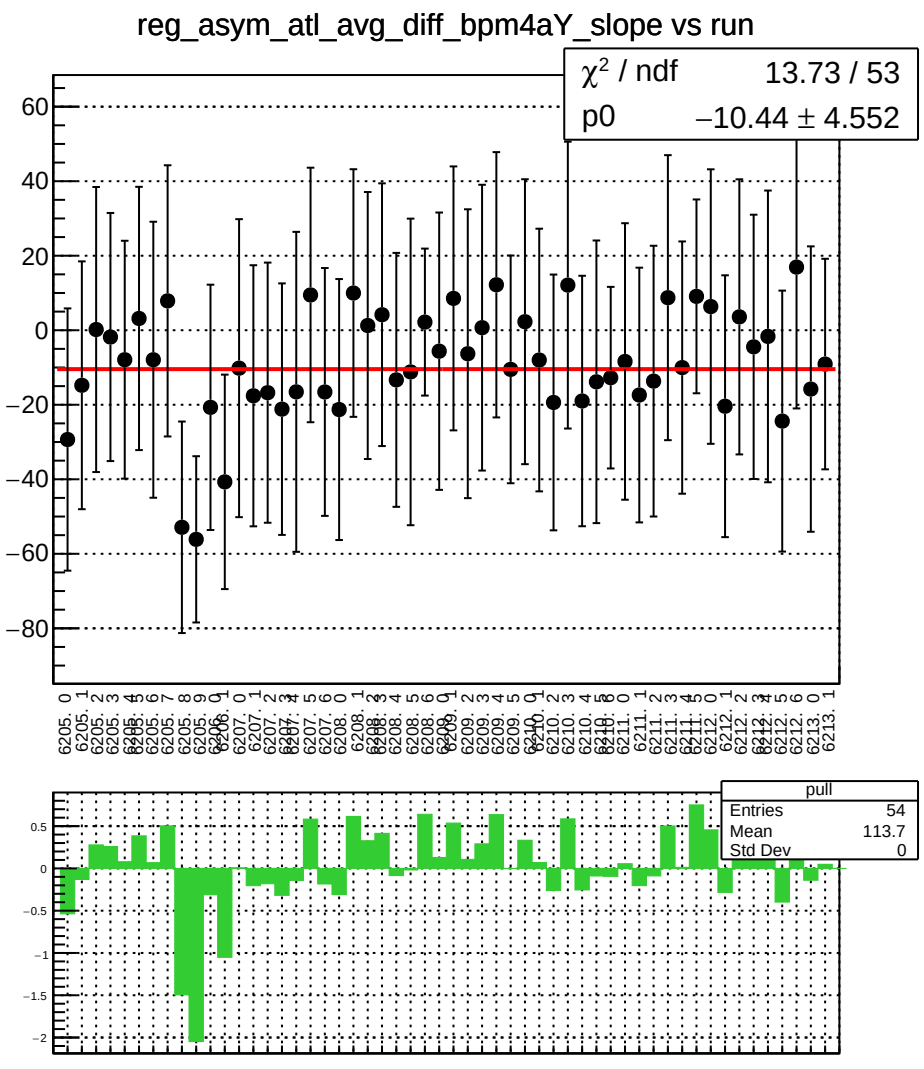

reg_asym_atr2_diff_bpm4eY_slope vs run
χ² / ndf 18.57 / 53
p0 139.3 ± 14.43
pull
Entries 54
Mean 108.4
Std Dev 0

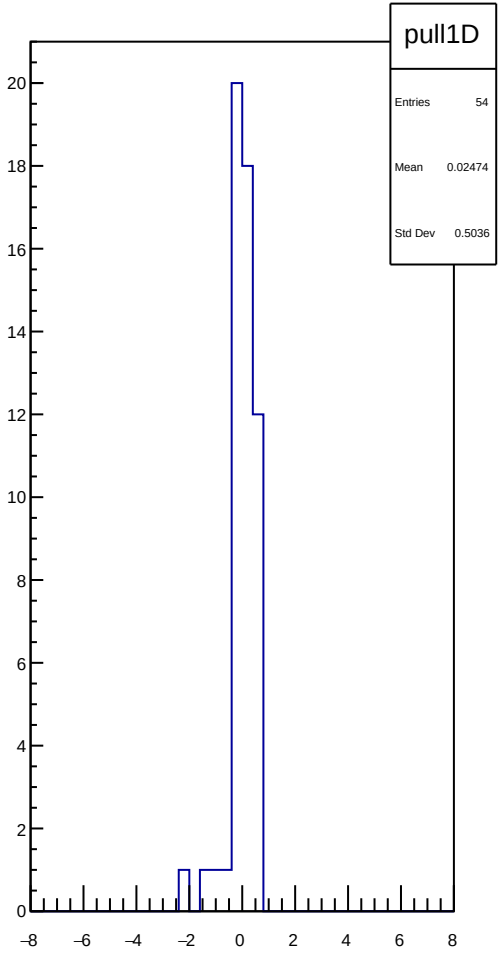

pull1D
Entries 54
Mean −0.03597
Std Dev 0.5853

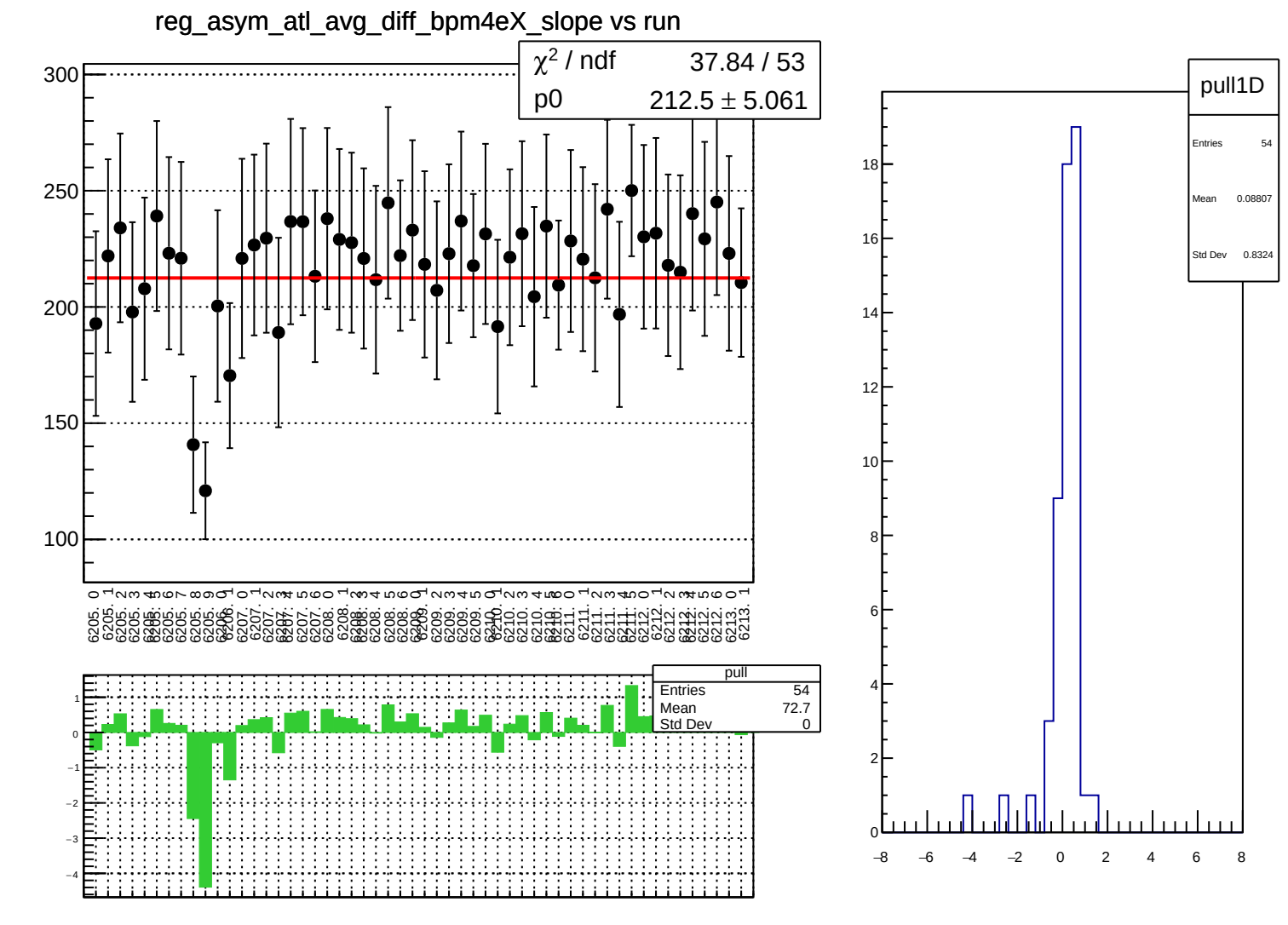

reg_asym_atr2_diff_bpm12X_slope vs run
χ² / ndf 15.61 / 53
p0 −247 ± 1.189
pull
Entries 54
Mean −4.848
Std Dev 0

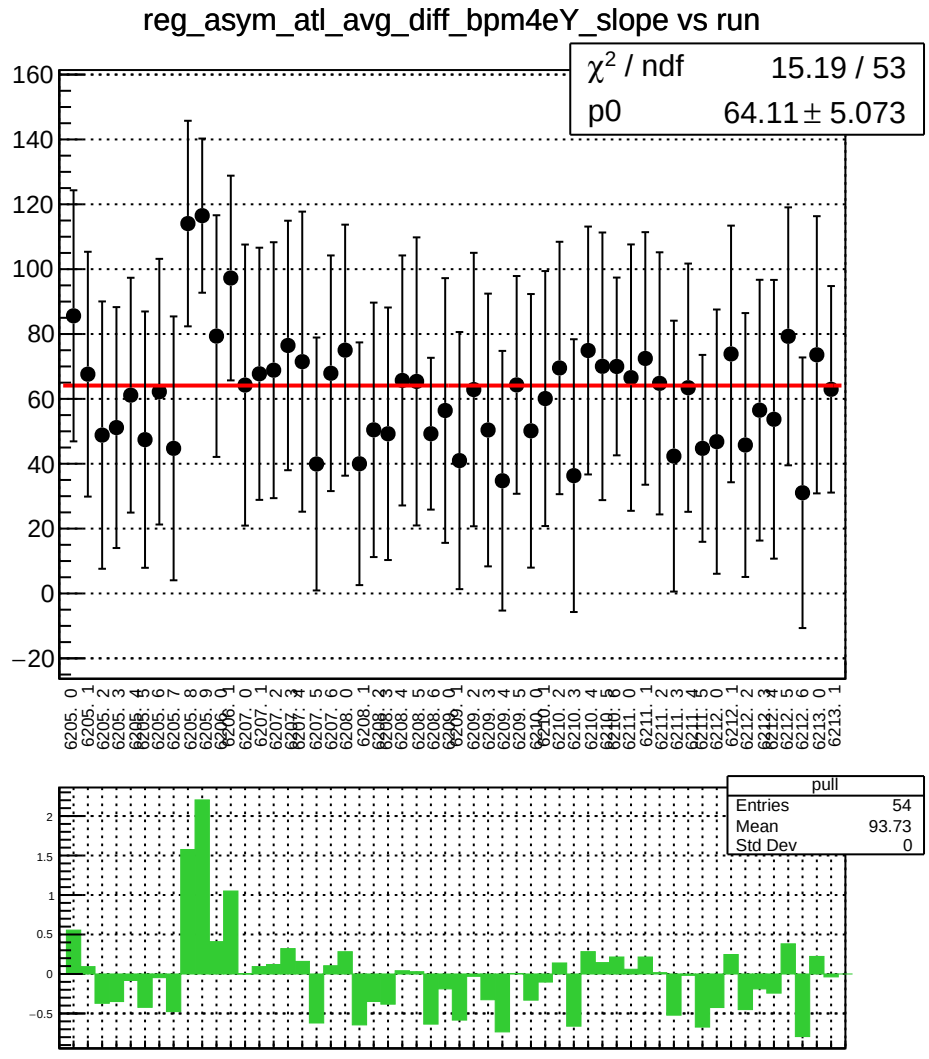

pull1D
Entries 54
Mean −0.02677
Std Dev 0.5371

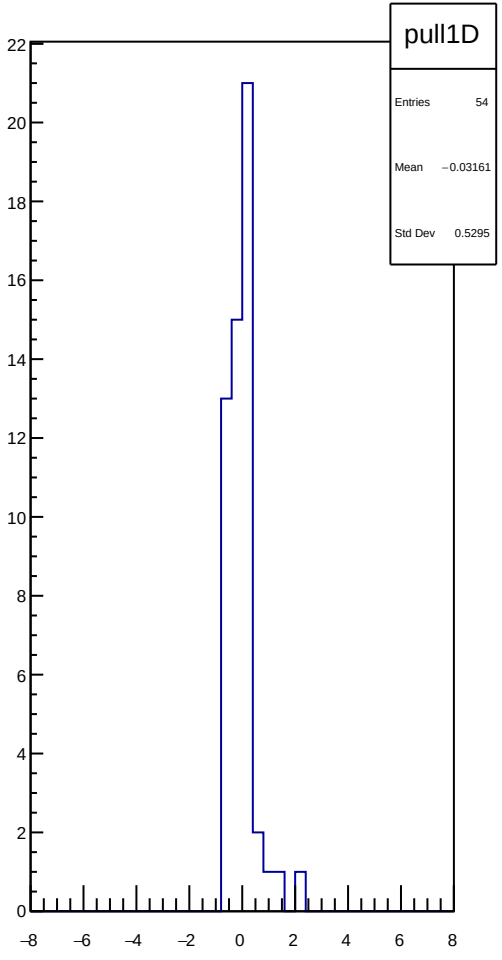

reg_asym_atl_avg_diff_bpm1X_slope vs run
χ² / ndf 33.26 / 53
p0 −181.9 ± 4.633
pull
Entries 54
Mean 53.56
Std Dev 0
pull1D
Entries 54
Mean −0.07655
Std Dev 0.781

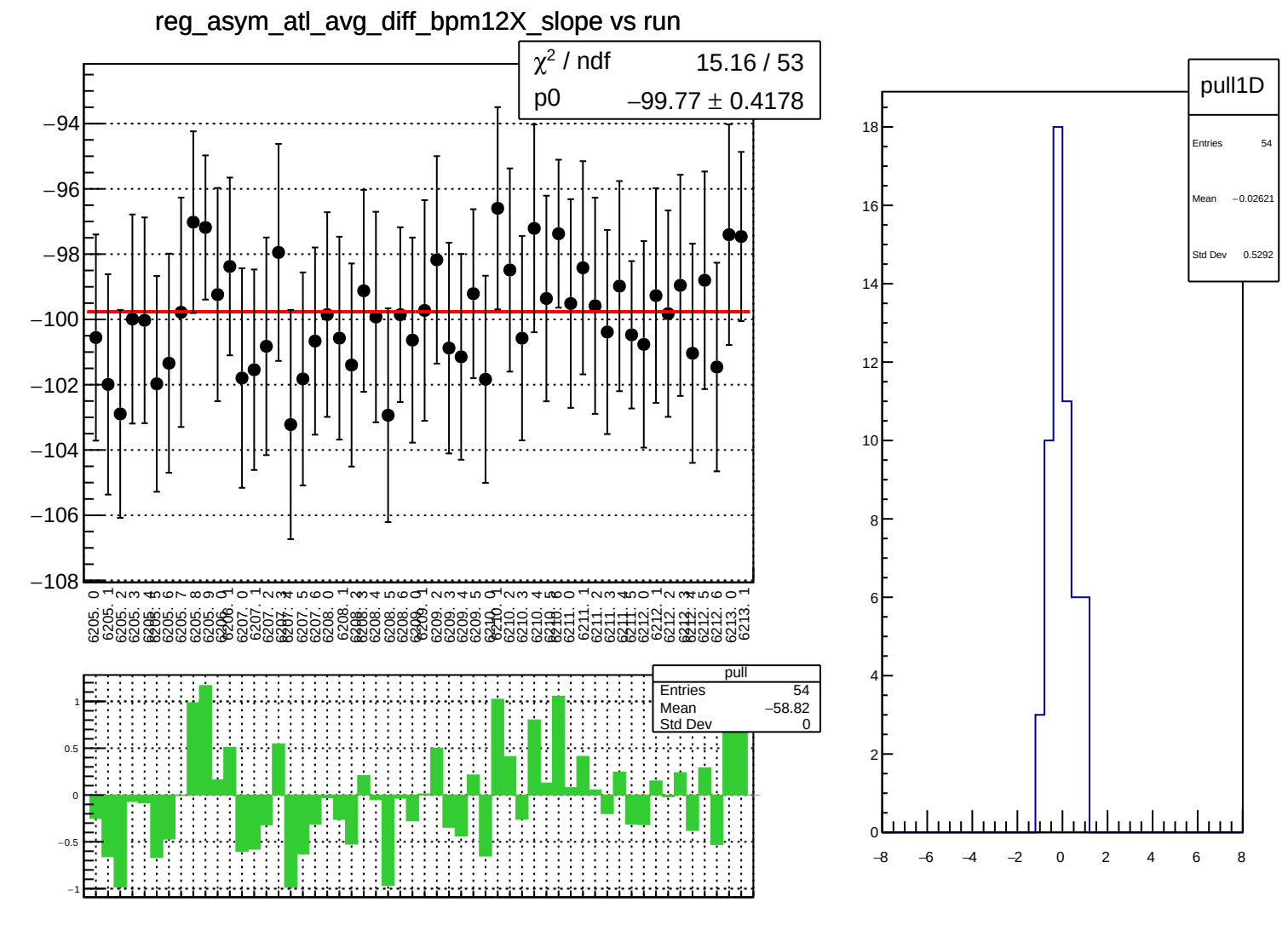

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ² / ndf 13.73 / 53
p0 −10.44 ± 4.552
pull
Entries 54
Mean 113.7
Std Dev 0

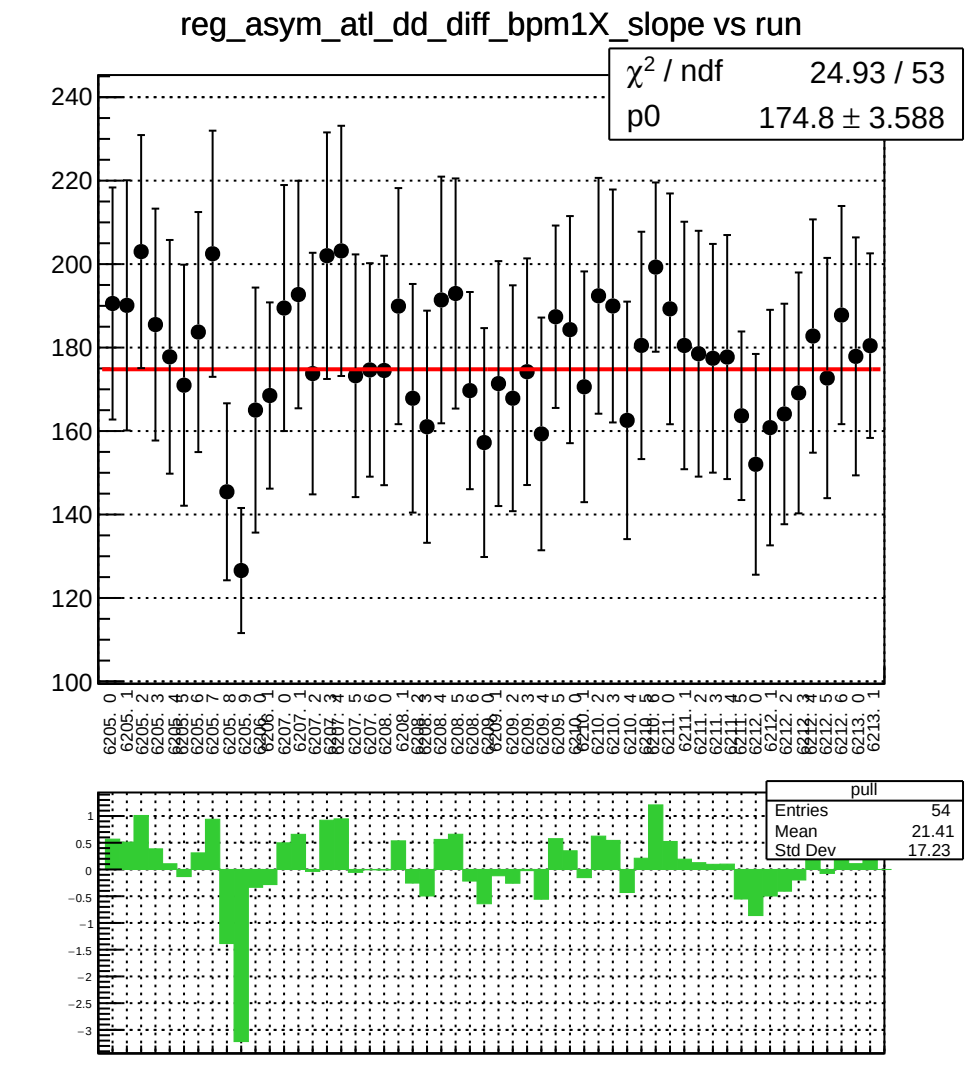

pull1D
Entries 54
Mean 0.02474
Std Dev 0.5036

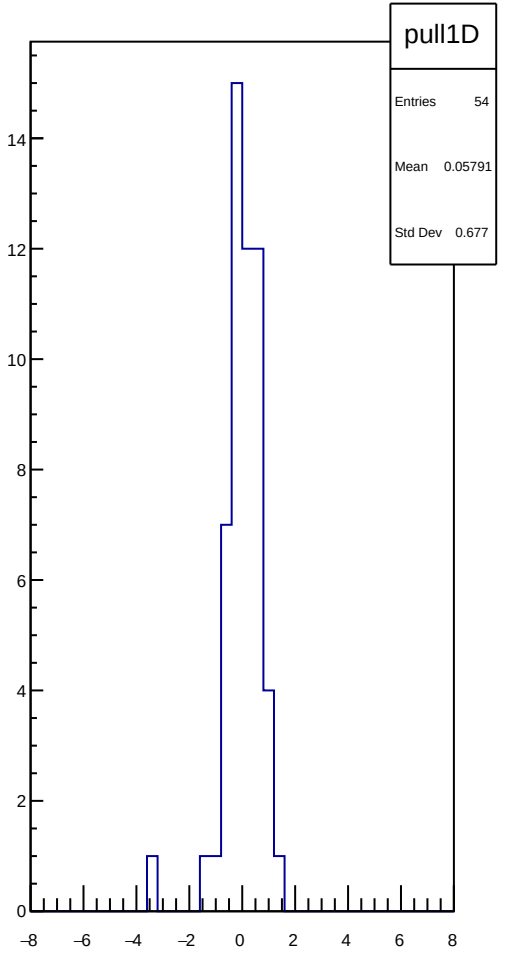

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ² / ndf 37.84 / 53
p0 212.5 ± 5.061
300
250
200
150
100
pull
Entries 54
Mean 72.7
Std Dev 0
pull1D
Entries 54
Mean 0.08807
Std Dev 0.8324

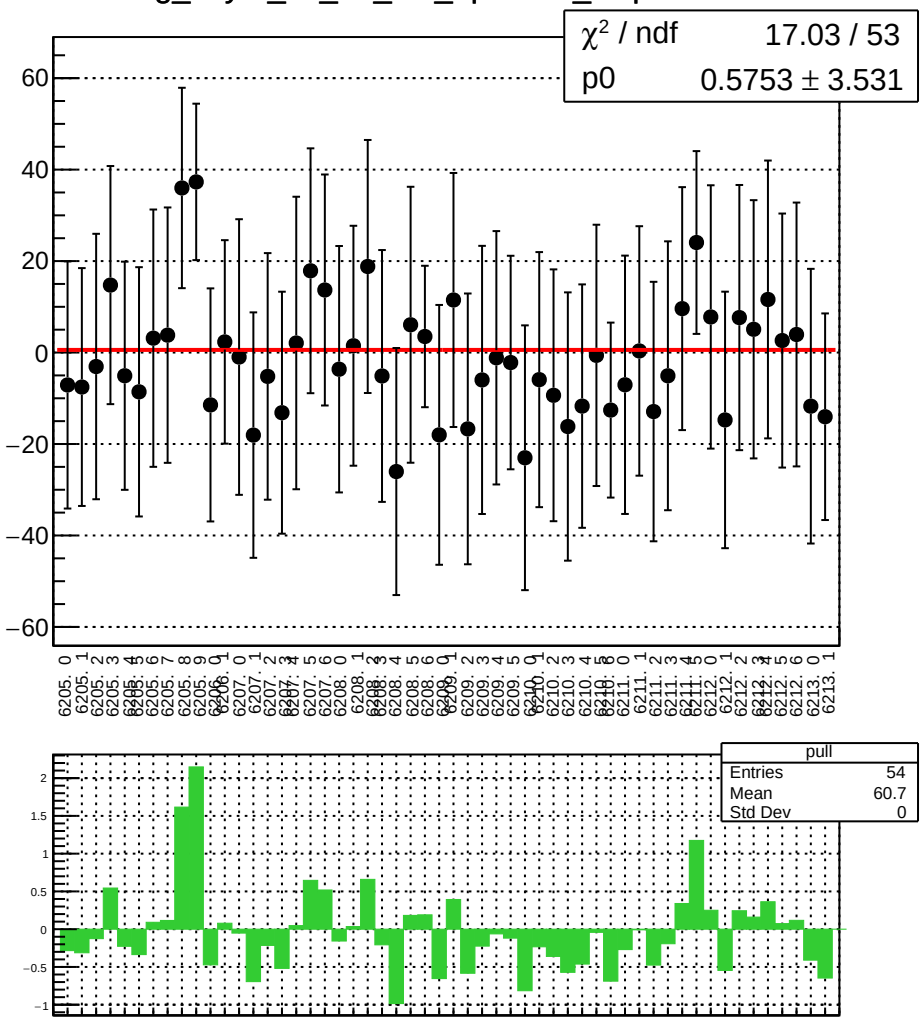

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ² / ndf 15.19 / 53
p0 64.11 ± 5.073
pull
Entries 54
Mean 93.73
Std Dev 0

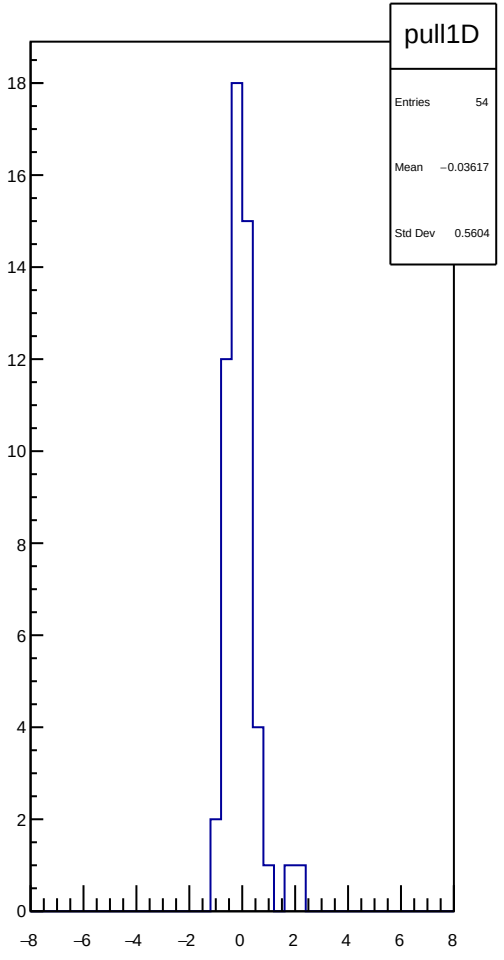

pull1D
Entries 54
Mean −0.03161
Std Dev 0.5295

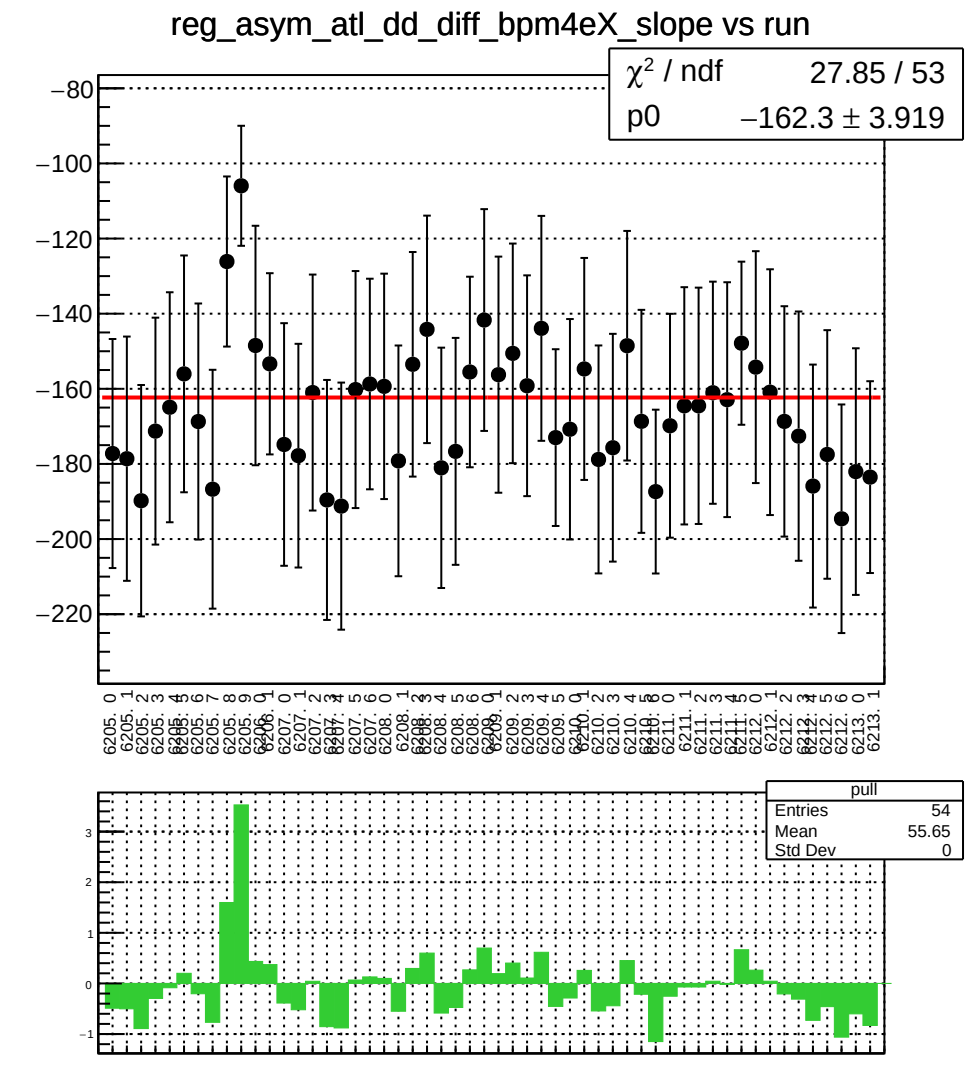

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ² / ndf 15.16 / 53
p0 −99.77 ± 0.4178
pull
Entries 54
Mean −58.82
Std Dev 0
pull1D
Entries 54
Mean −0.02621
Std Dev 0.5292

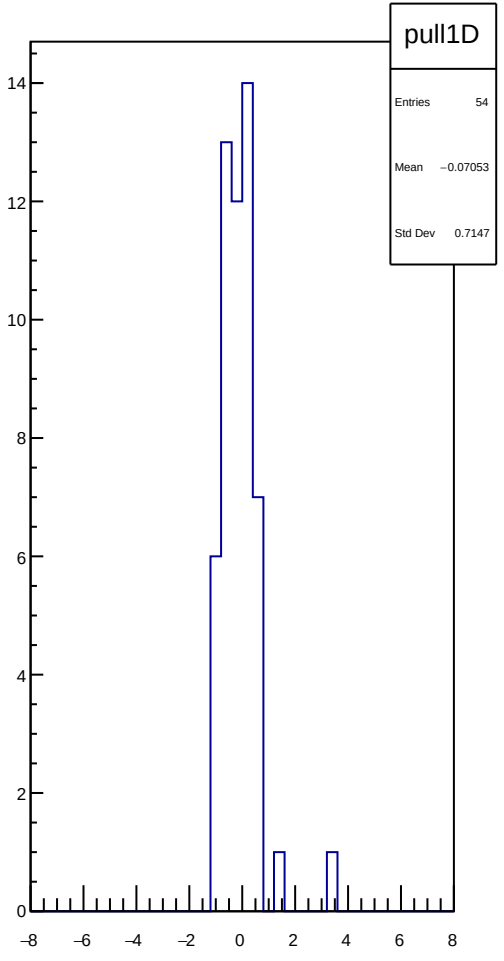

reg_asym_atl_dd_diff_bpm1X_slope vs run
χ² / ndf 24.93 / 53
p0 174.8 ± 3.588
pull
Entries 54
Mean 21.41
Std Dev 17.23

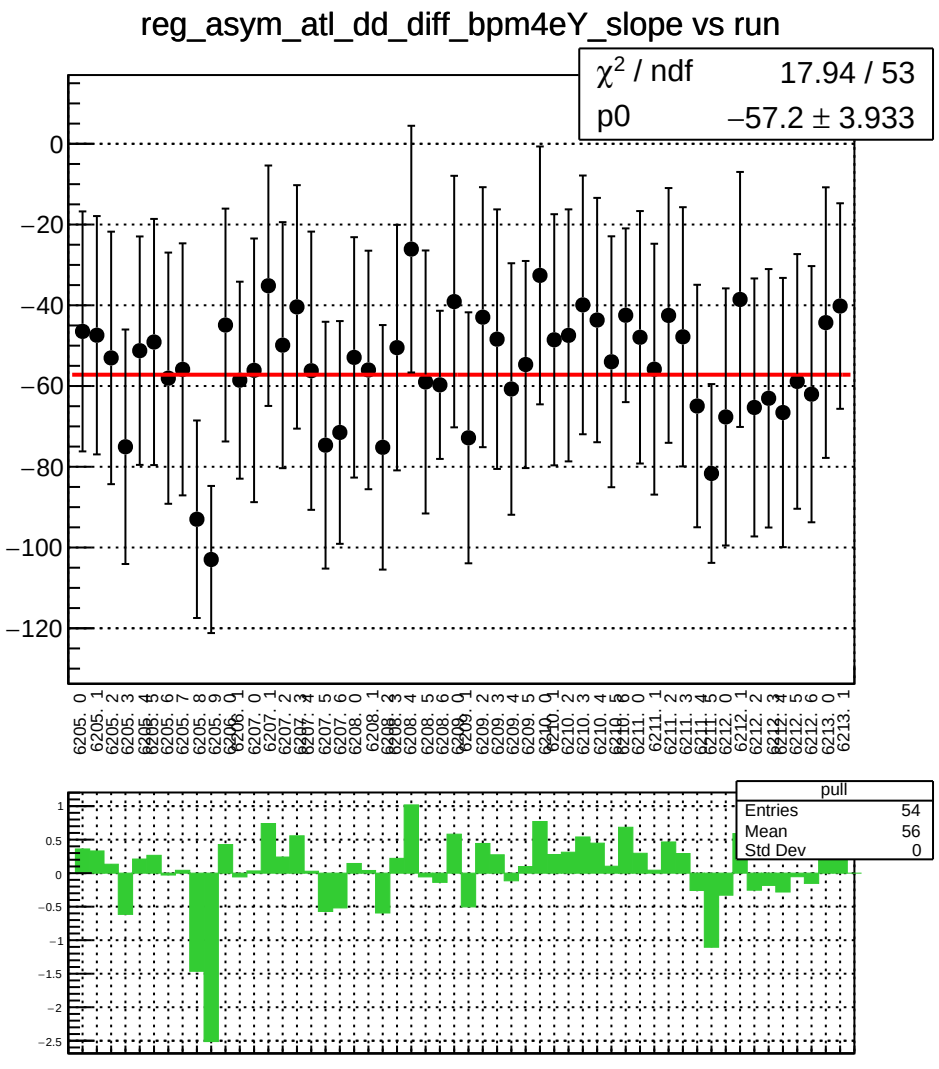

pull1D
Entries 54
Mean 0.05791
Std Dev 0.677

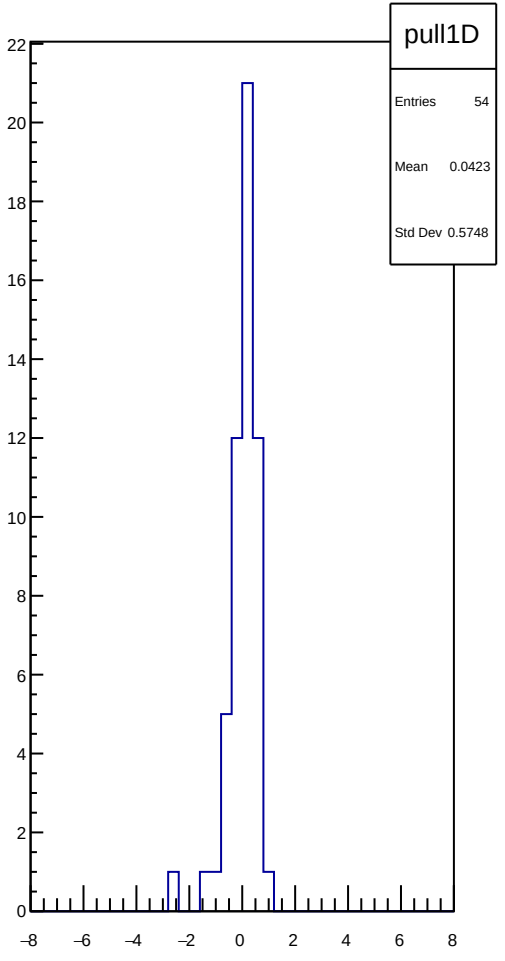

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ² / ndf 17.03 / 53
p0 0.5753 ± 3.531
pull
Entries 54
Mean 60.7
Std Dev 0

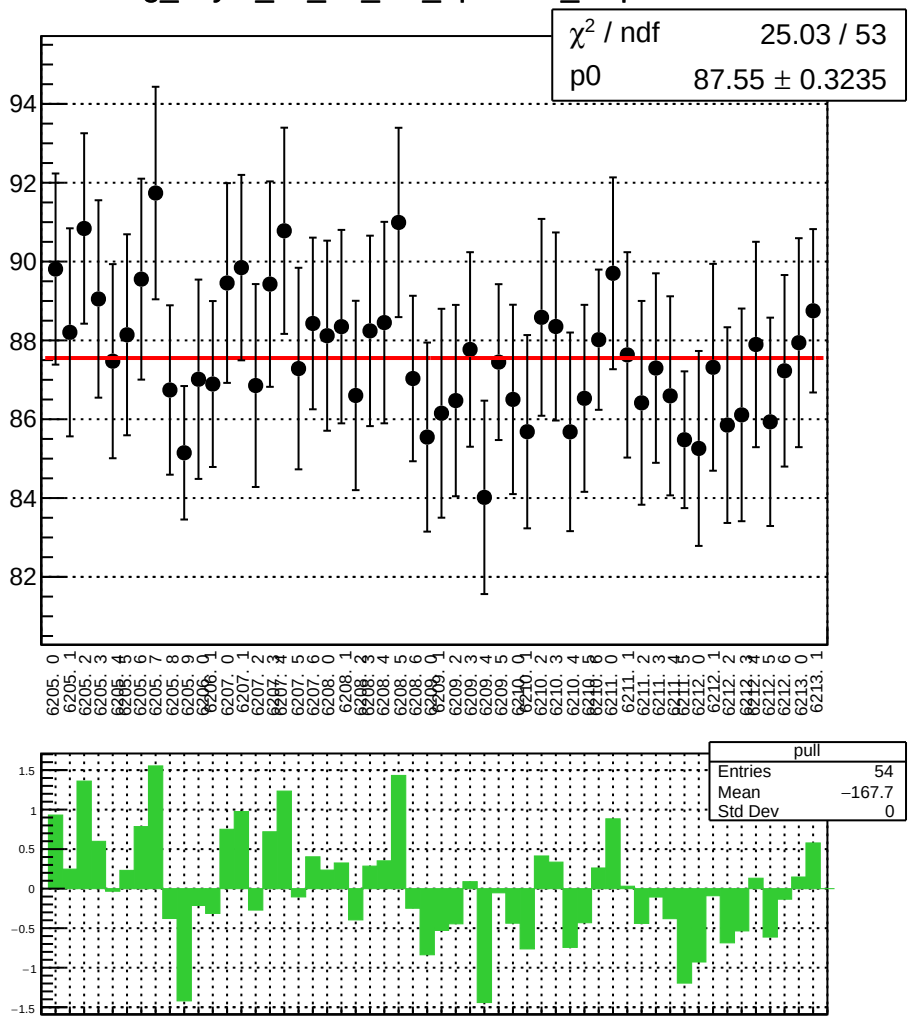

pull1D
Entries 54
Mean −0.03617
Std Dev 0.5604

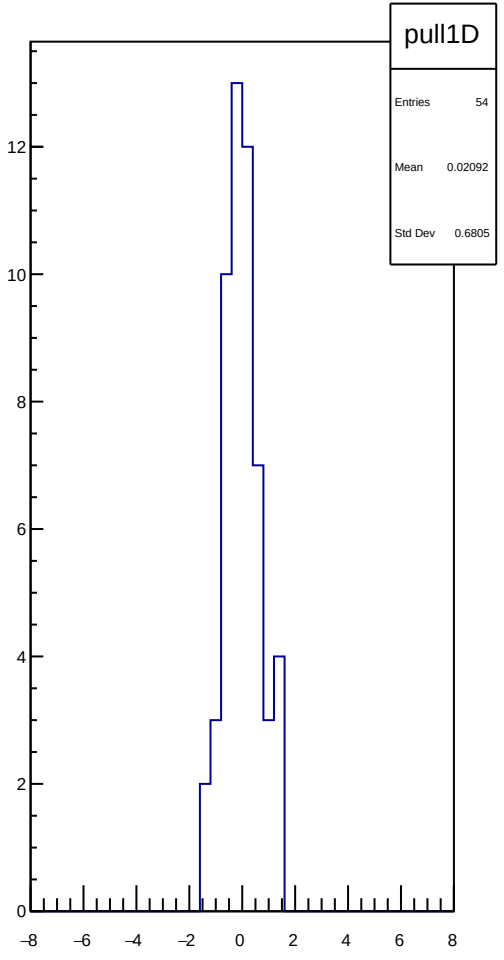

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ² / ndf 27.85 / 53
p0 −162.3 ± 3.919
pull
Entries 54
Mean 55.65
Std Dev 0

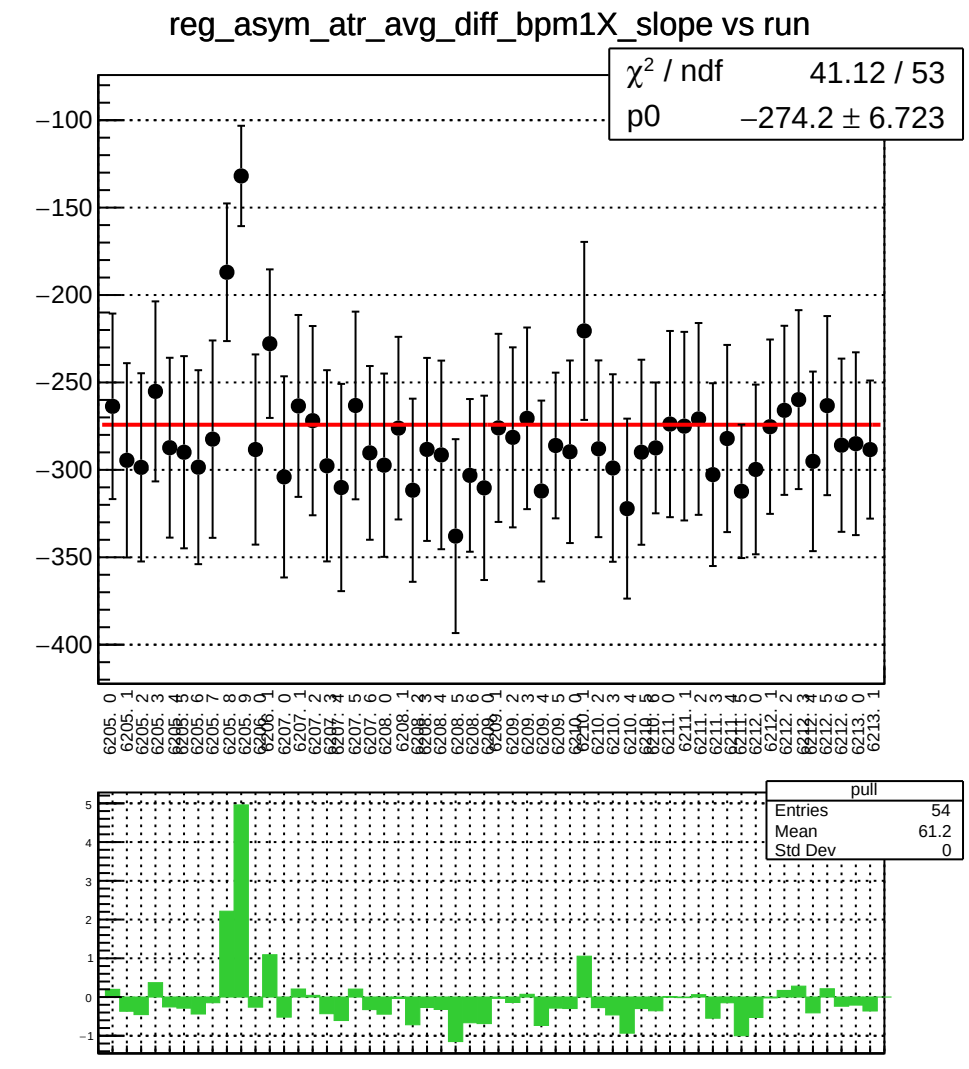

pull1D
Entries 54
Mean −0.07053
Std Dev 0.7147

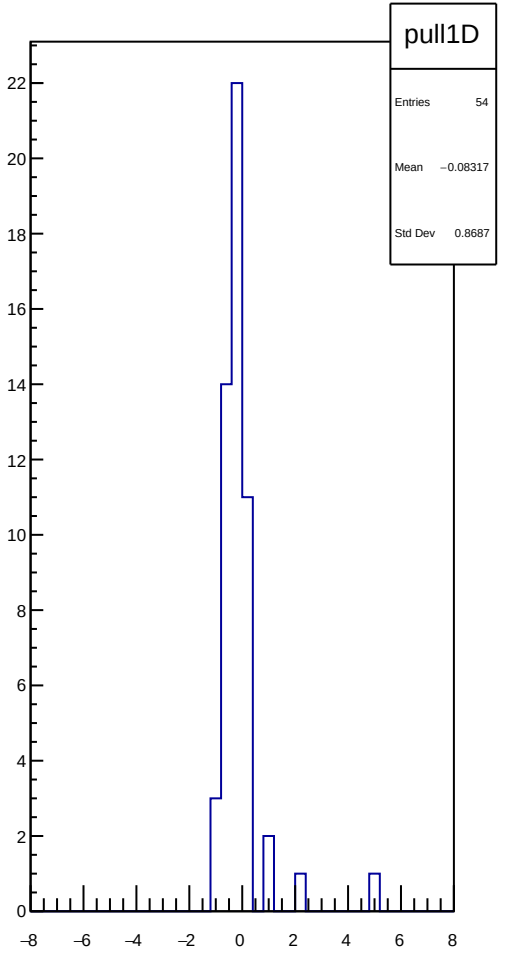

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ² / ndf 17.94 / 53
p0 −57.2 ± 3.933
pull
Entries 54
Mean 56
Std Dev 0

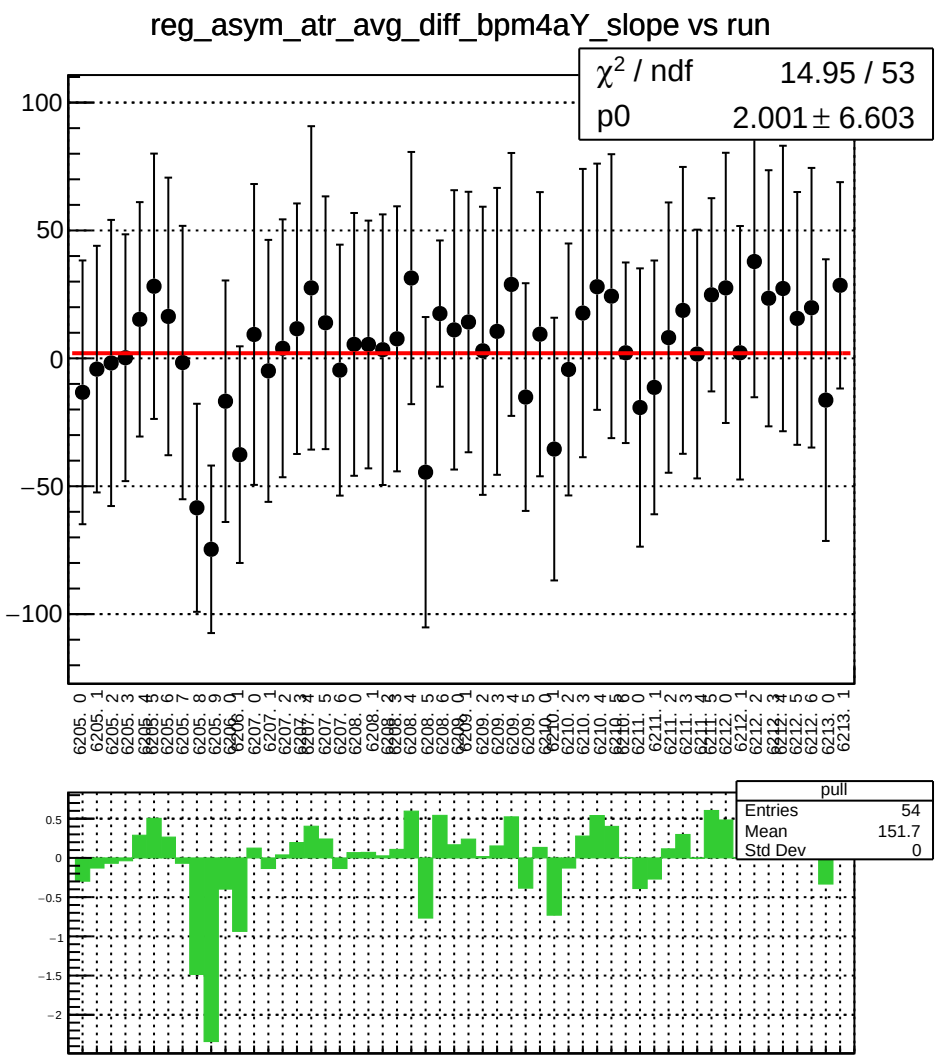

pull1D
Entries 54
Mean 0.0423
Std Dev 0.5748

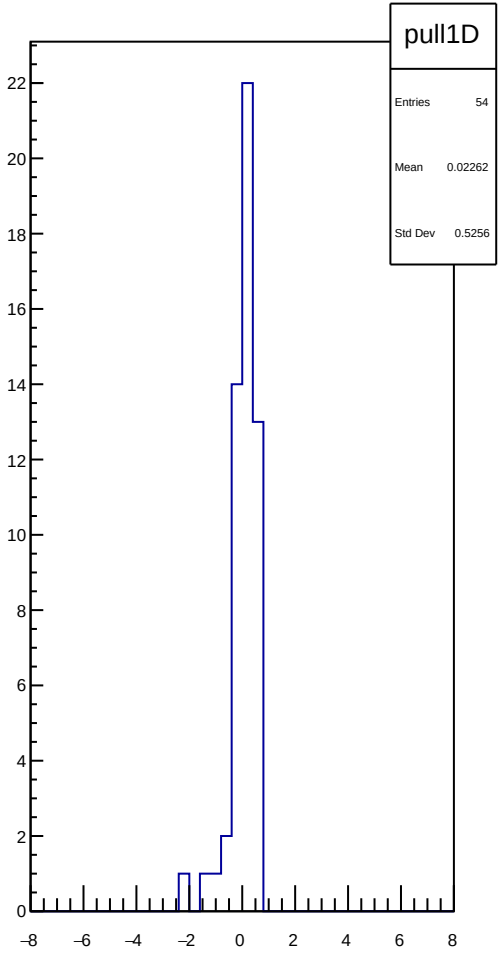

reg_asym_atl_dd_diff_bpm12X_slope vs run
χ² / ndf 25.03 / 53
p0 87.55 ± 0.3235
pull
Entries 54
Mean −167.7
Std Dev 0

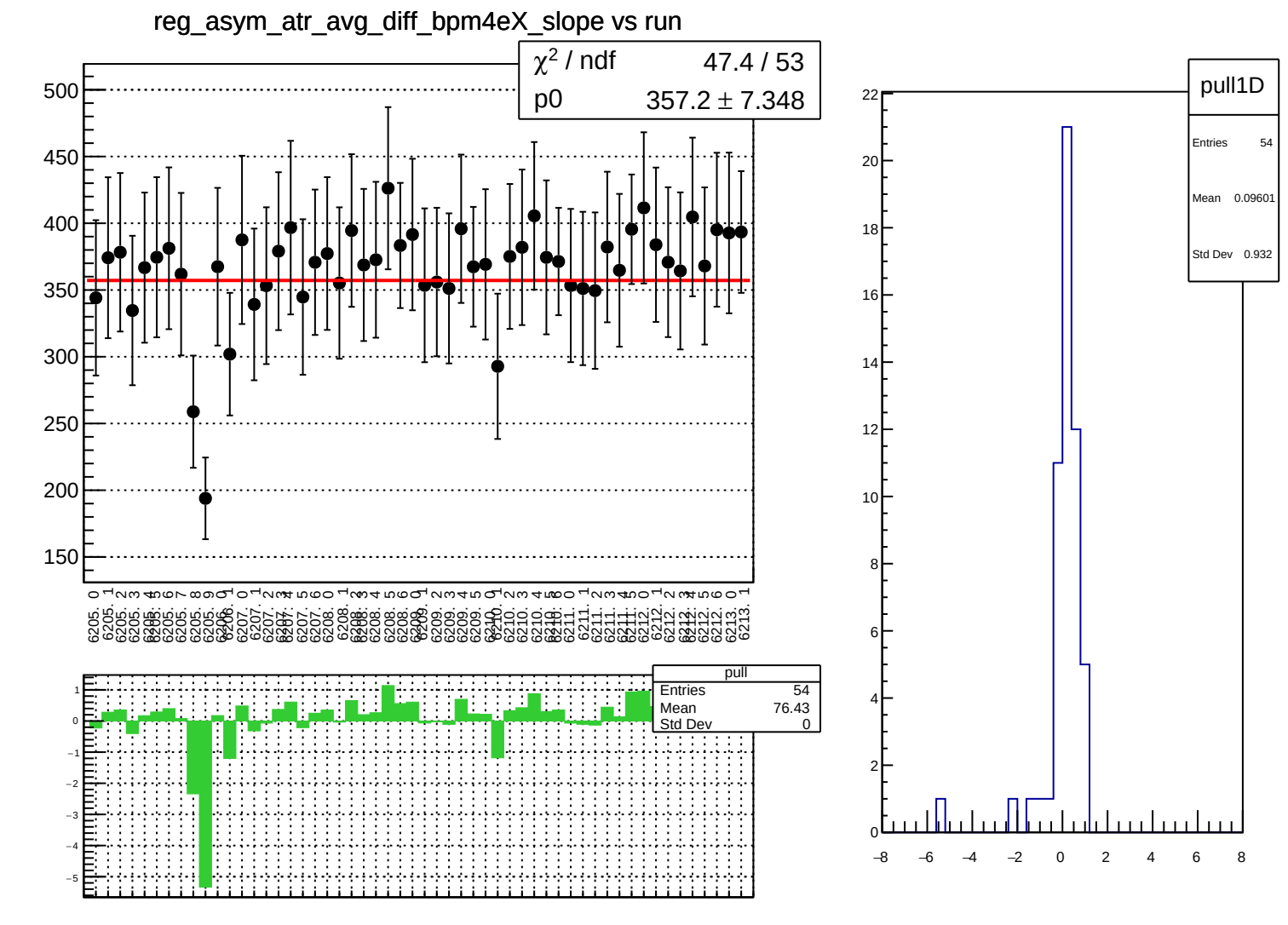

pull1D
Entries 54
Mean 0.02092
Std Dev 0.6805

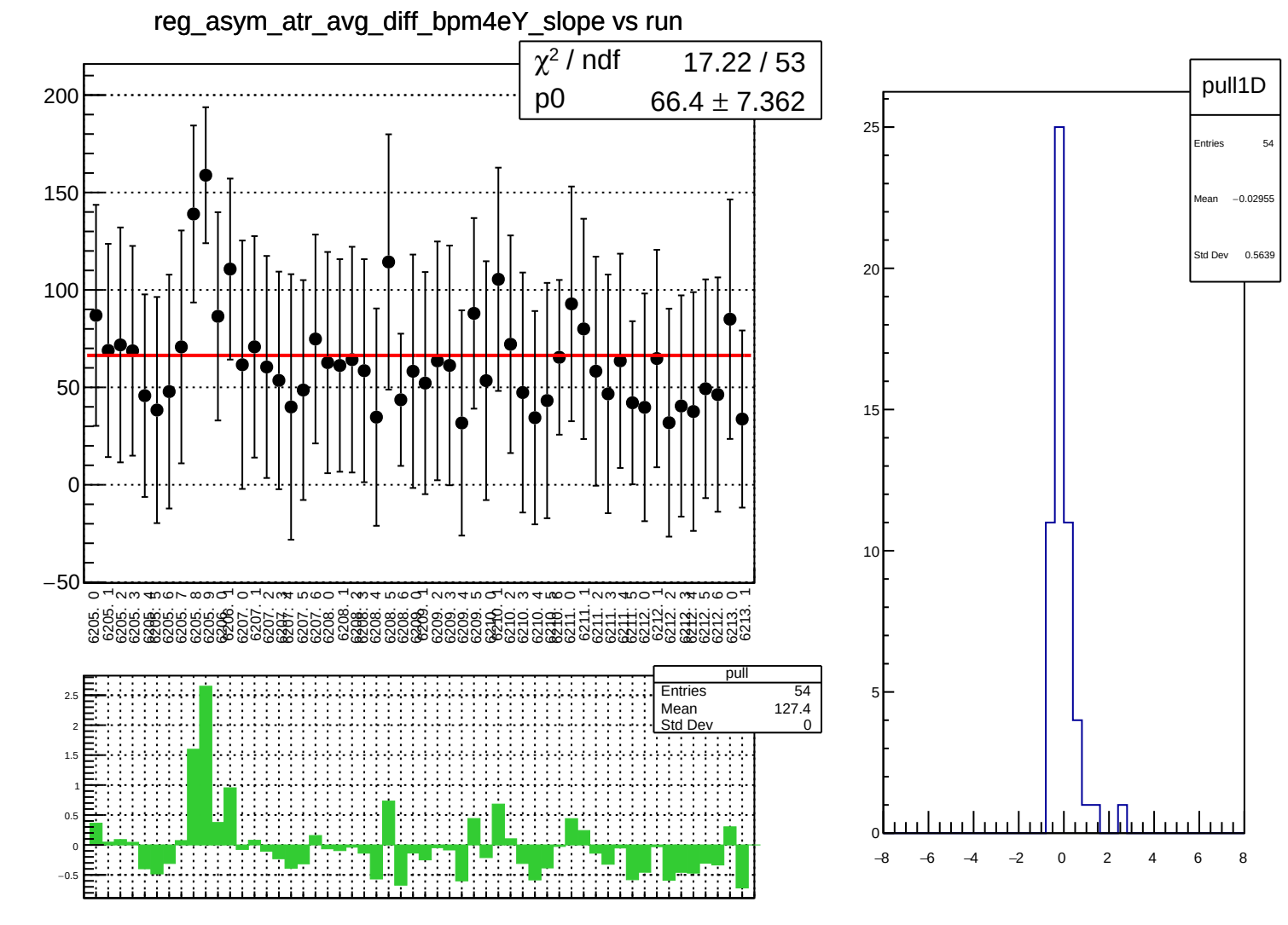

reg_asym_atr_avg_diff_bpm1X_slope vs run
χ² / ndf 41.12 / 53
p0 −274.2 ± 6.723
pull
Entries 54
Mean 61.2
Std Dev 0

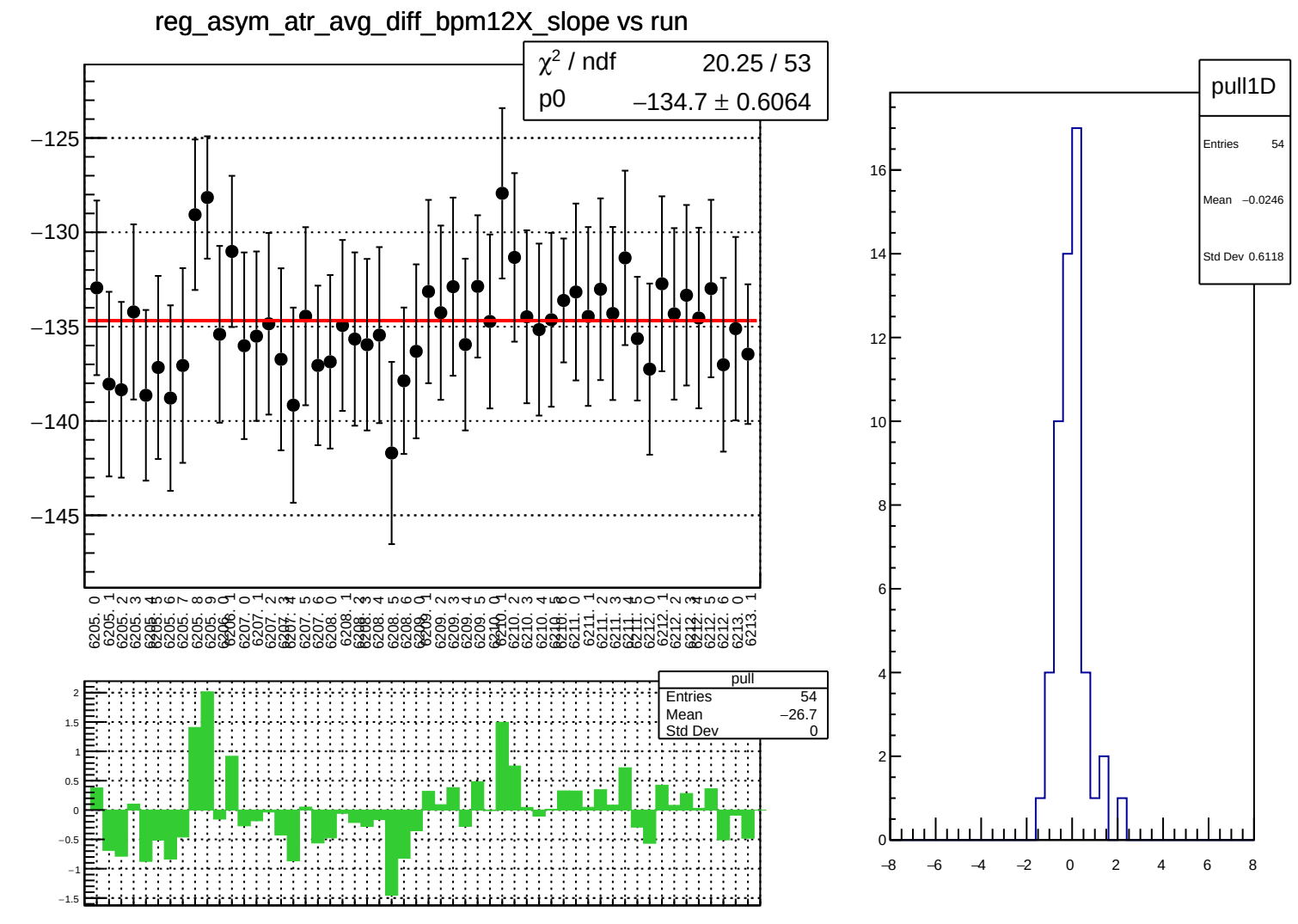

pull1D
Entries 54
Mean −0.08317
Std Dev 0.8687

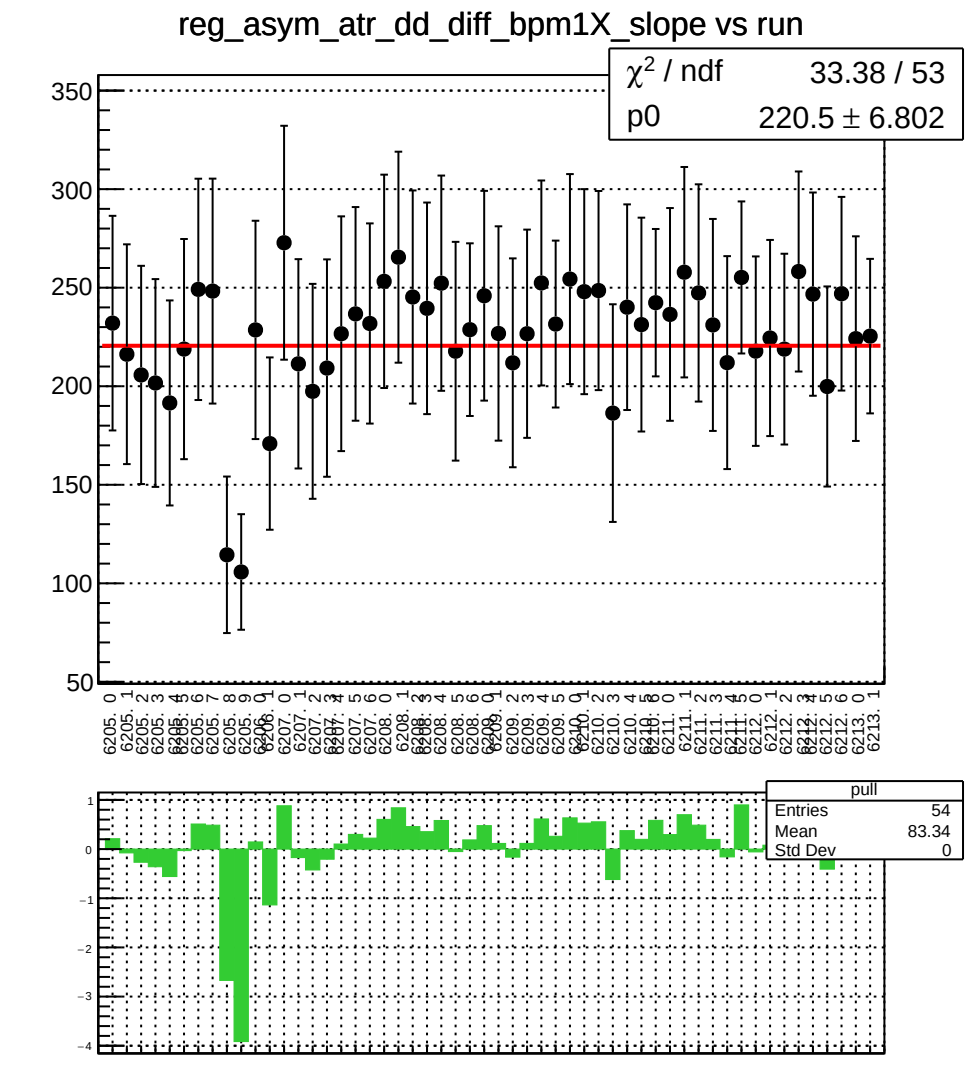

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ² / ndf 14.95 / 53
p0 2.001 ± 6.603
pull
Entries 54
Mean 151.7
Std Dev 0

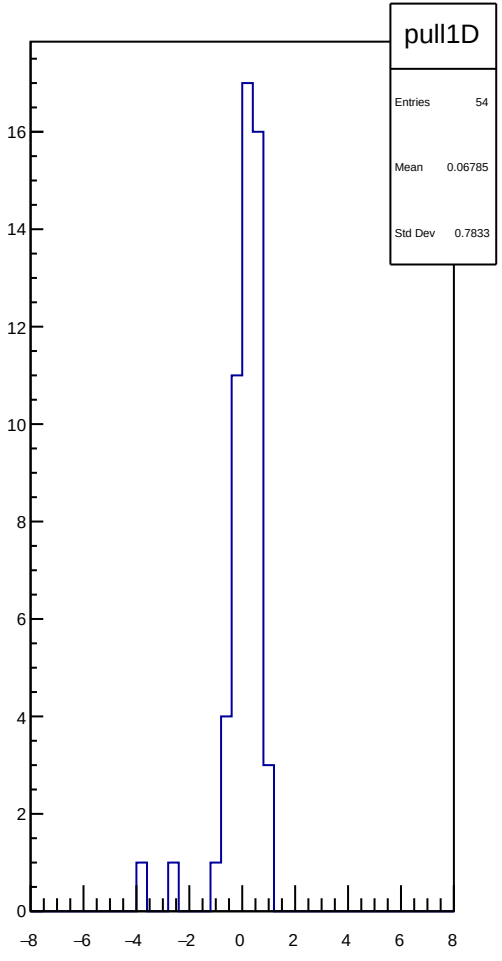

pull1D
Entries 54
Mean 0.02262
Std Dev 0.5256

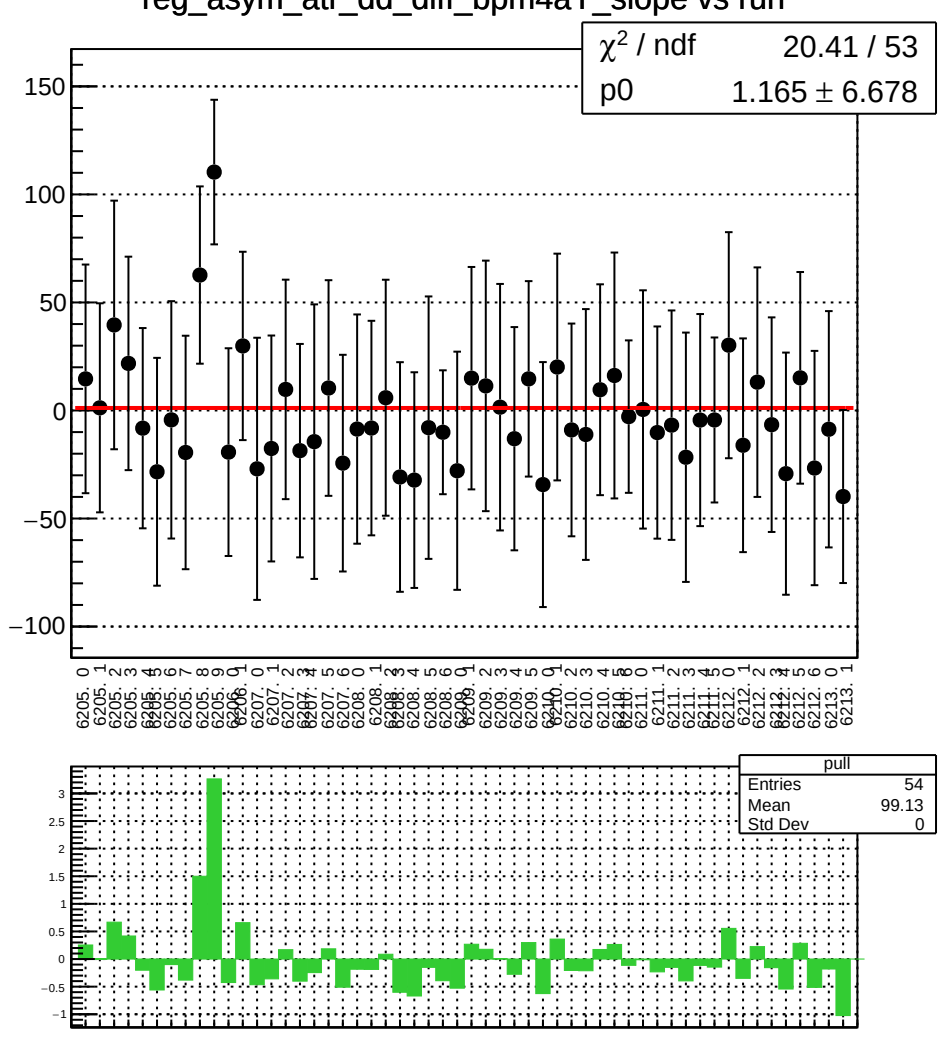

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ² / ndf 47.4 / 53
p0 357.2 ± 7.348
pull
Entries 54
Mean 76.43
Std Dev 0
pull1D
Entries 54
Mean 0.09601
Std Dev 0.932

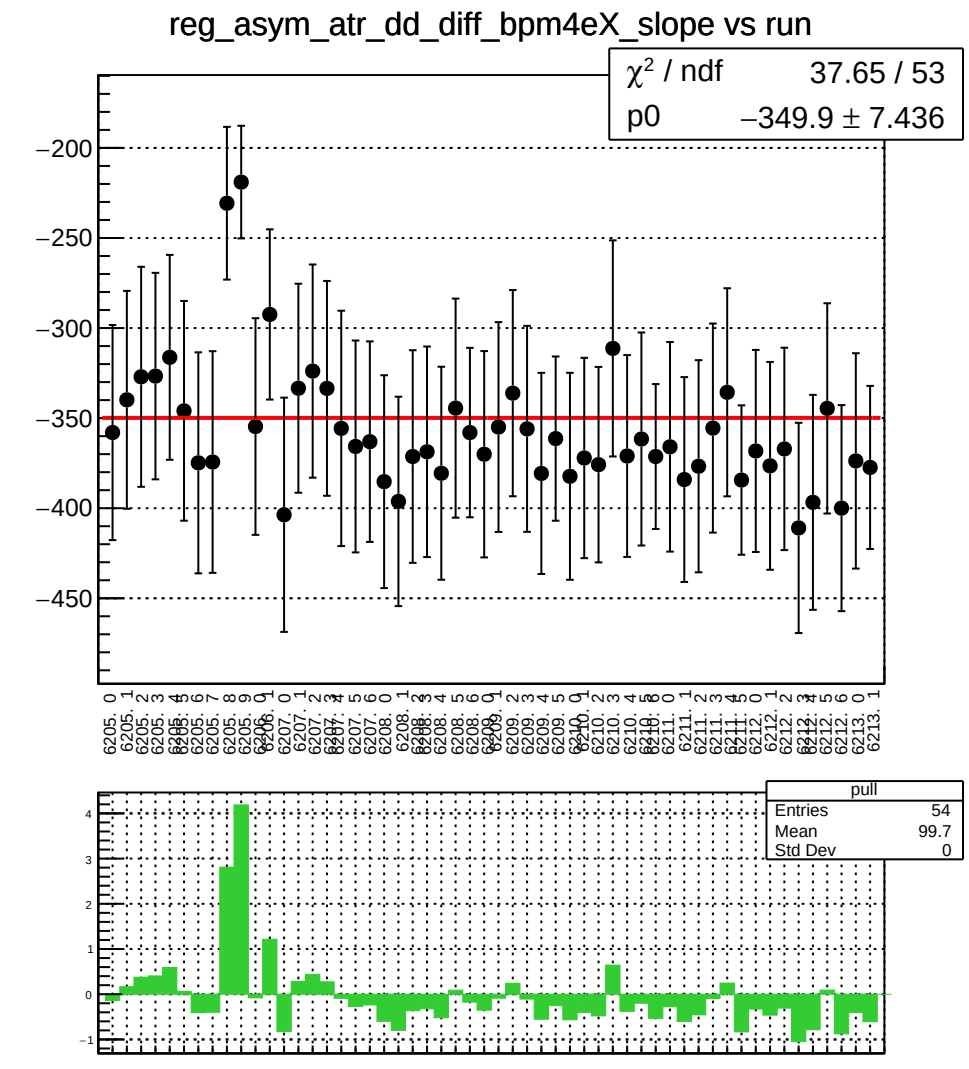

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ² / ndf 17.22 / 53
p0 66.4 ± 7.362
pull
Entries 54
Mean 127.4
Std Dev 0
pull1D
Entries 54
Mean −0.02955
Std Dev 0.5639

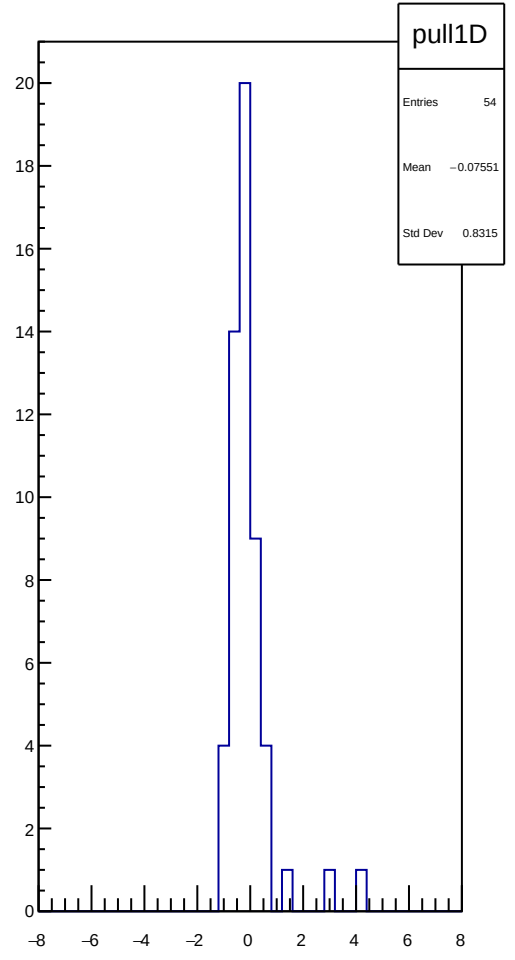

reg_asym_atr_avg_diff_bpm12X_slope vs run
χ² / ndf 20.25 / 53
p0 −134.7 ± 0.6064
−125
−130
−135
−140
−145
pull
Entries 54
Mean −26.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 54
Mean −0.0246
Std Dev 0.6118
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

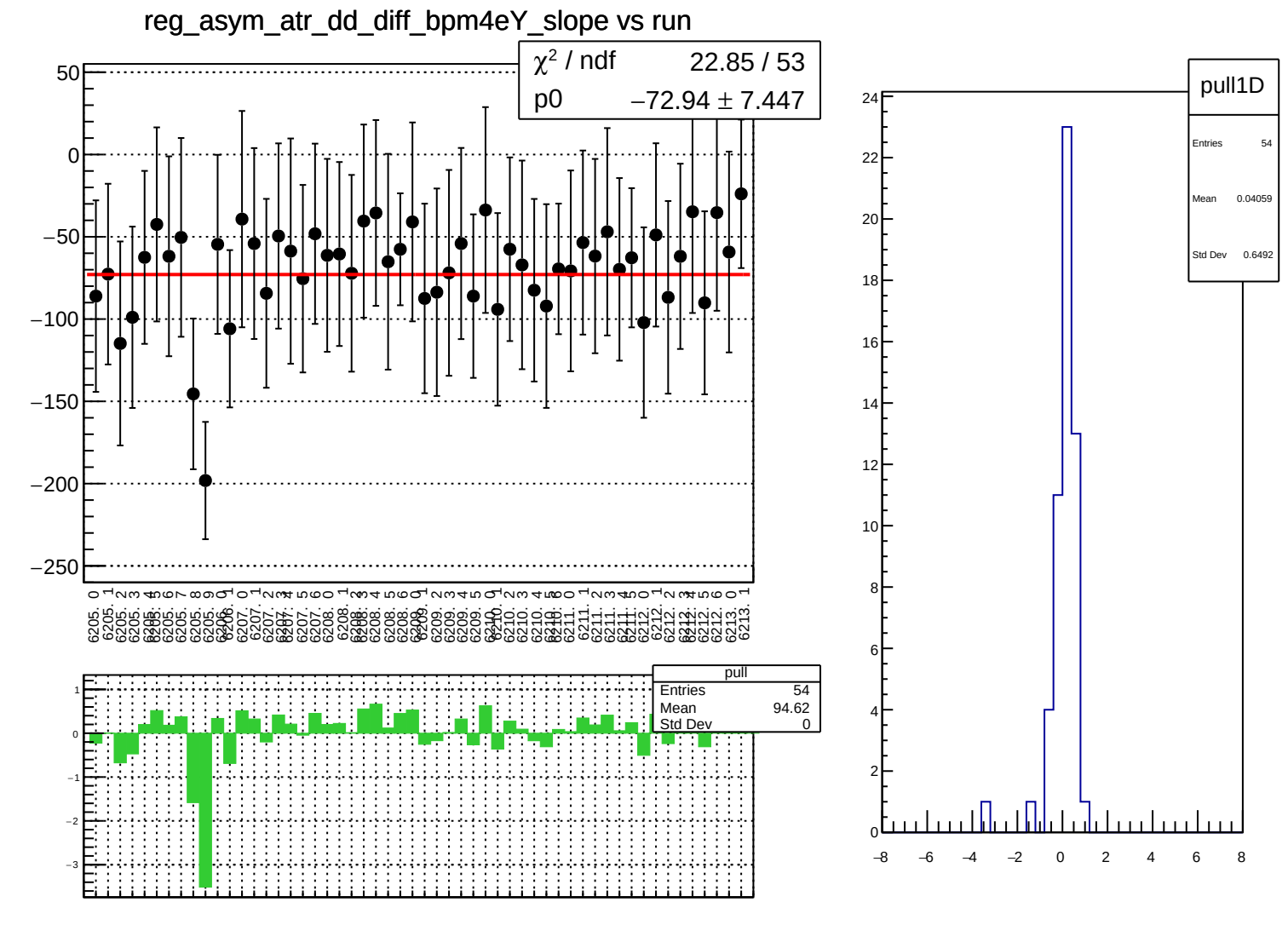

reg_asym_atr_dd_diff_bpm1X_slope vs run
χ² / ndf 33.38 / 53
p0 220.5 ± 6.802
pull
Entries 54
Mean 83.34
Std Dev 0

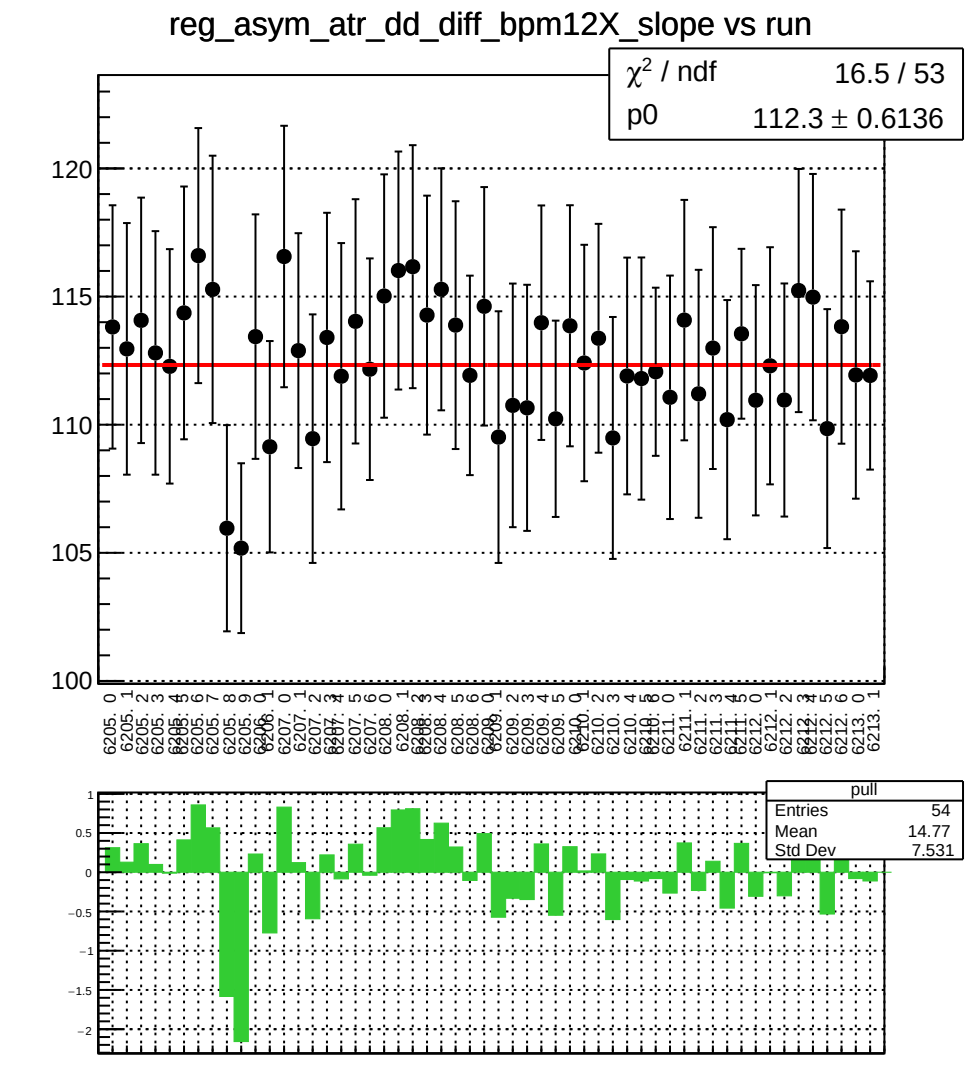

pull1D
Entries 54
Mean 0.06785
Std Dev 0.7833

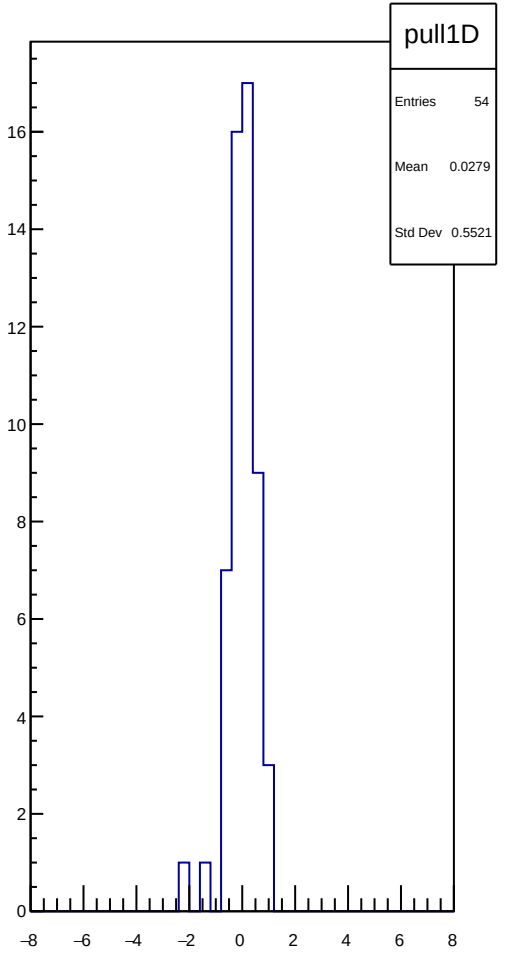

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ² / ndf 20.41 / 53
p0 1.165 ± 6.678
pull
Entries 54
Mean 99.13
Std Dev 0
pull1D
Entries 54
Mean −0.03311
Std Dev 0.6139

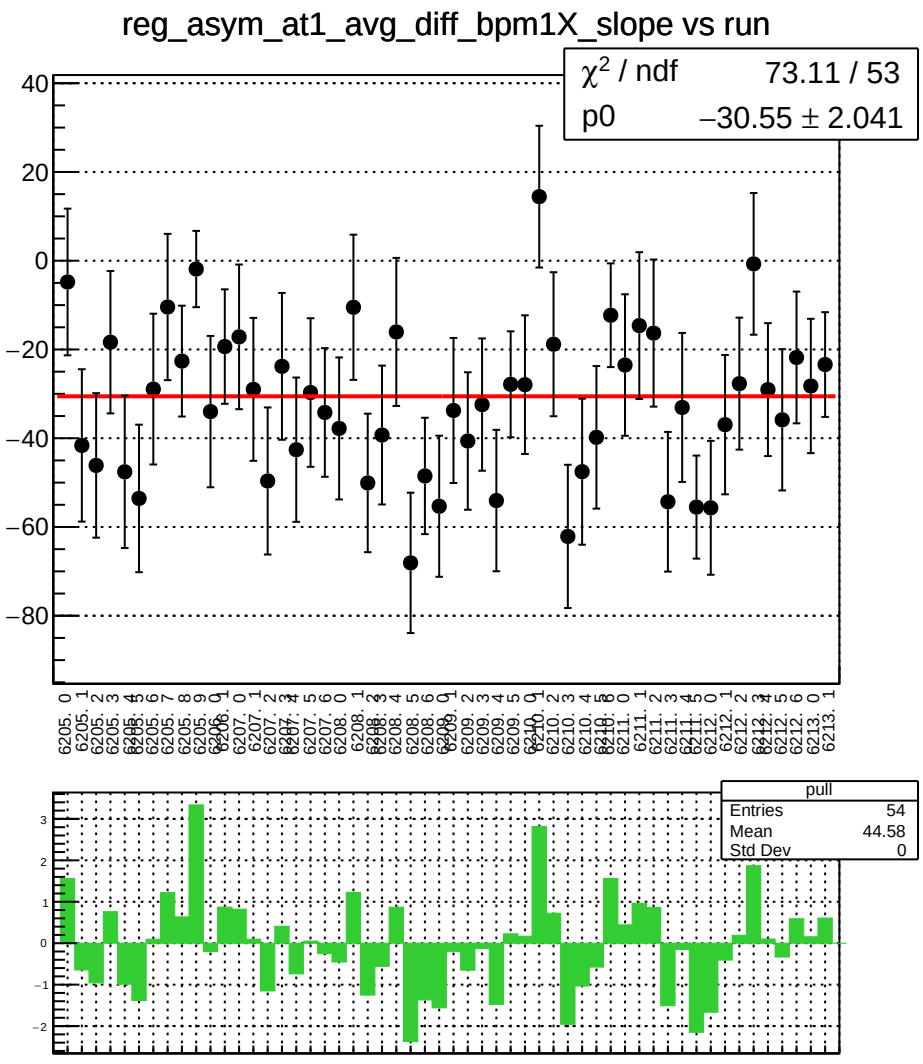

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ² / ndf 37.65 / 53
p0 −349.9 ± 7.436
pull
Entries 54
Mean 99.7
Std Dev 0

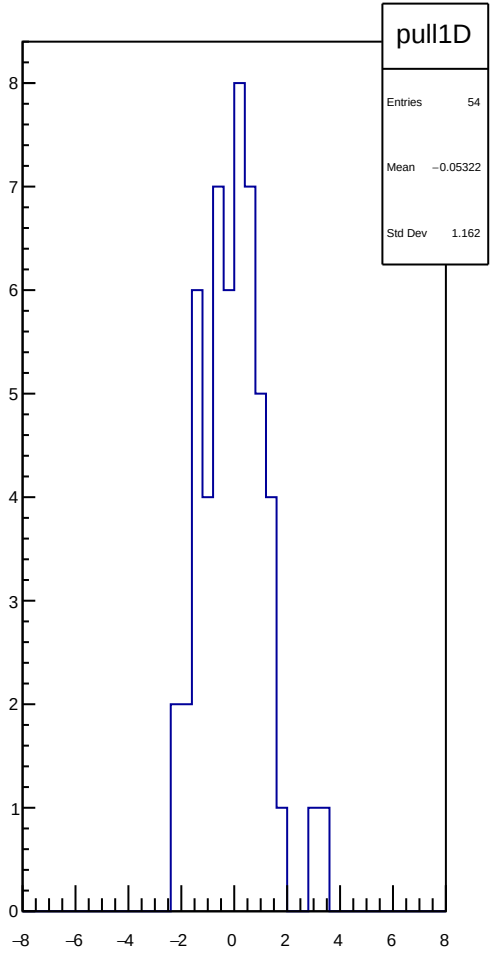

pull1D
Entries 54
Mean −0.07551
Std Dev 0.8315

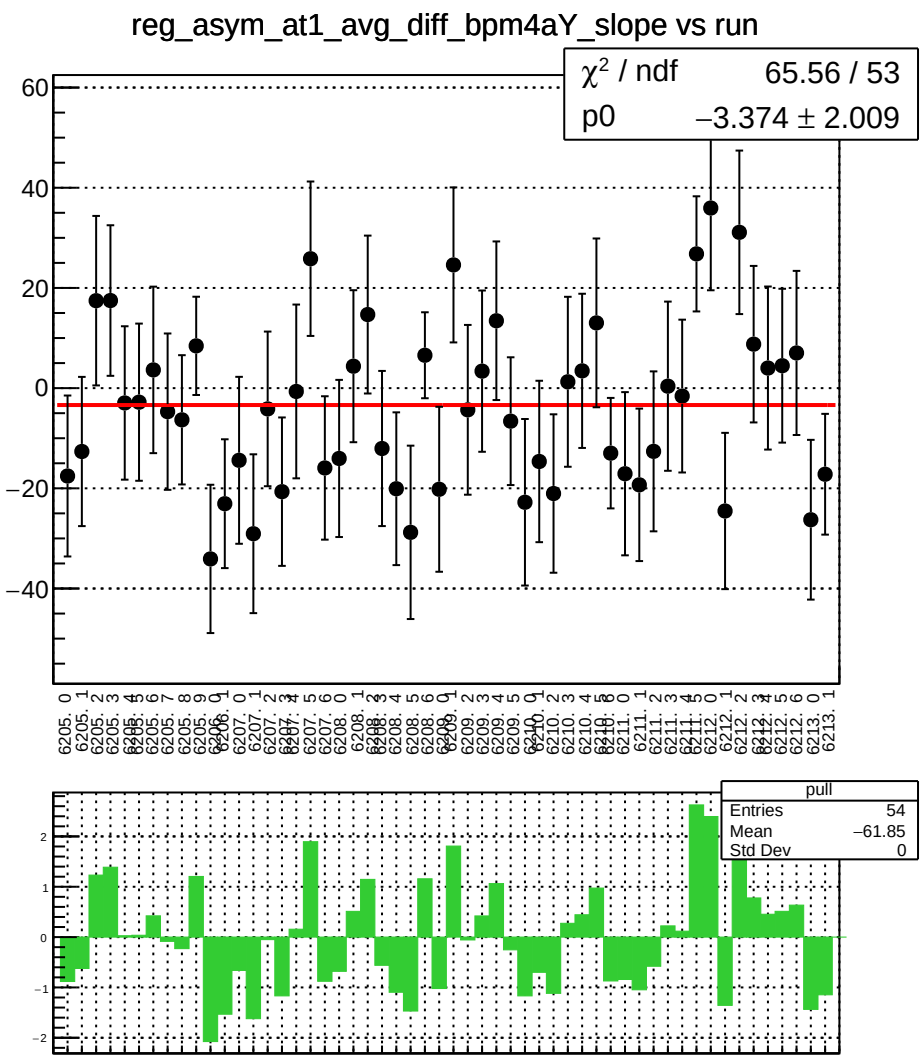

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ² / ndf 22.85 / 53
p0 −72.94 ± 7.447
pull
Entries 54
Mean 94.62
Std Dev 0
pull1D
Entries 54
Mean 0.04059
Std Dev 0.6492

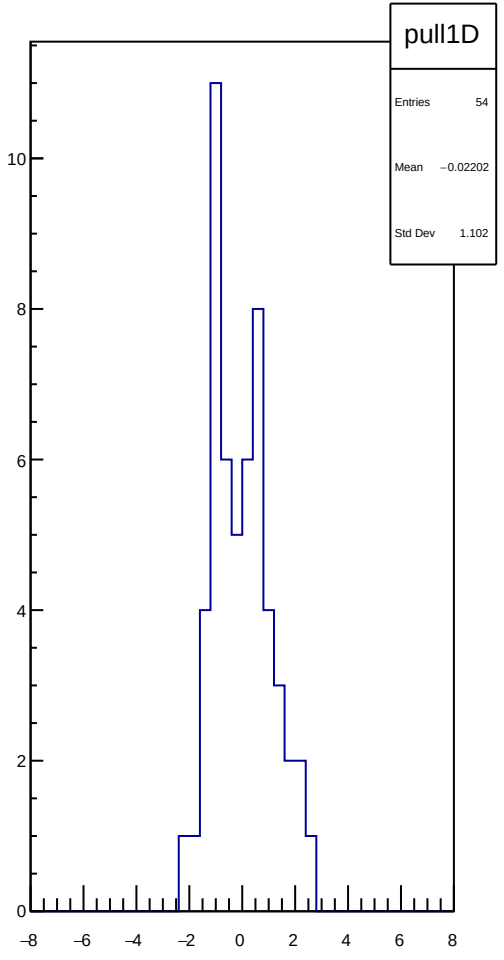

reg_asym_atr_dd_diff_bpm12X_slope vs run
χ² / ndf 16.5 / 53
p0 112.3 ± 0.6136
120
115
110
105
100
pull
Entries 54
Mean 14.77
Std Dev 7.531
1
0.5
0
−0.5
−1
−1.5
−2

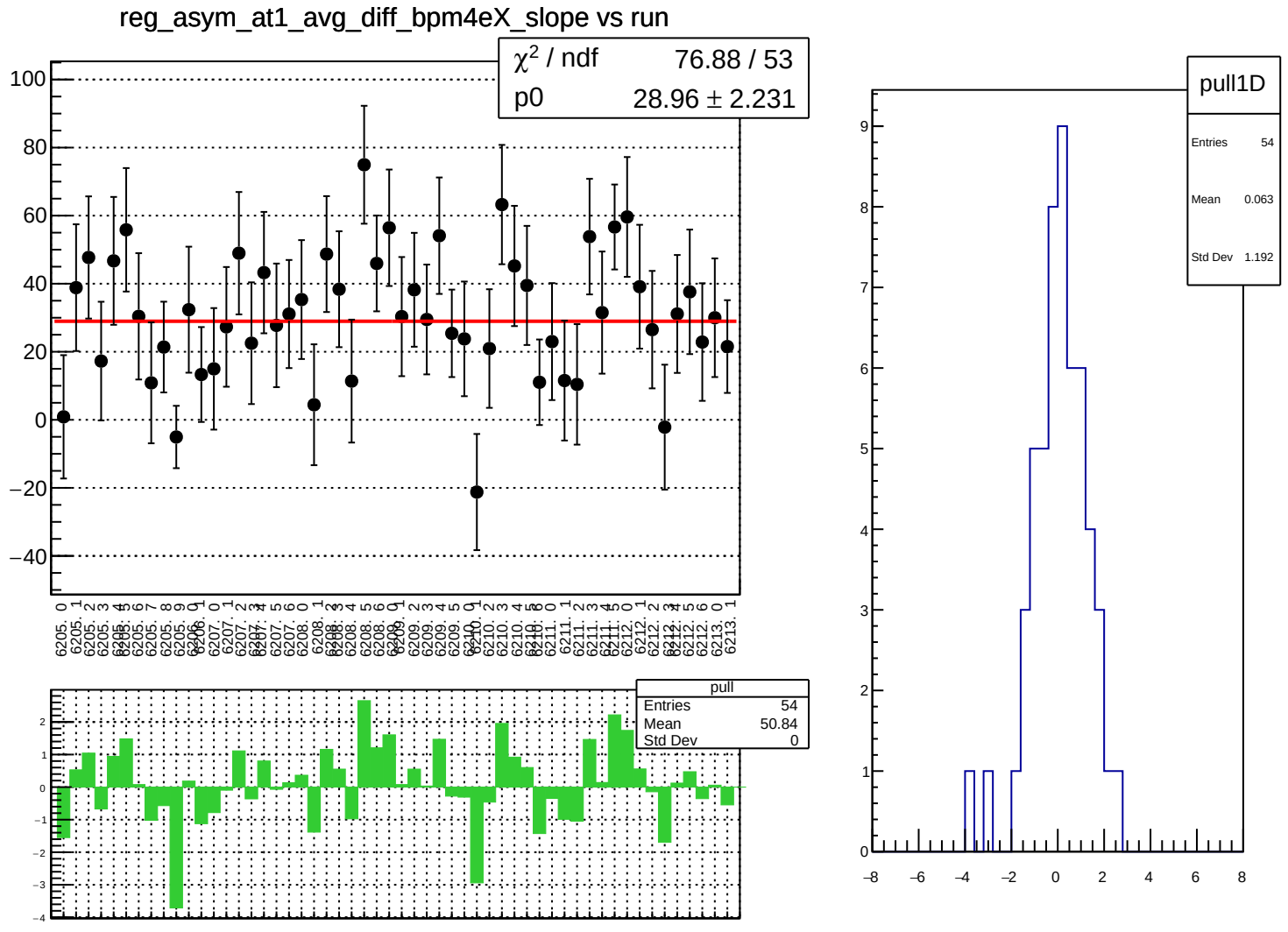

pull1D
Entries 54
Mean 0.0279
Std Dev 0.5521
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

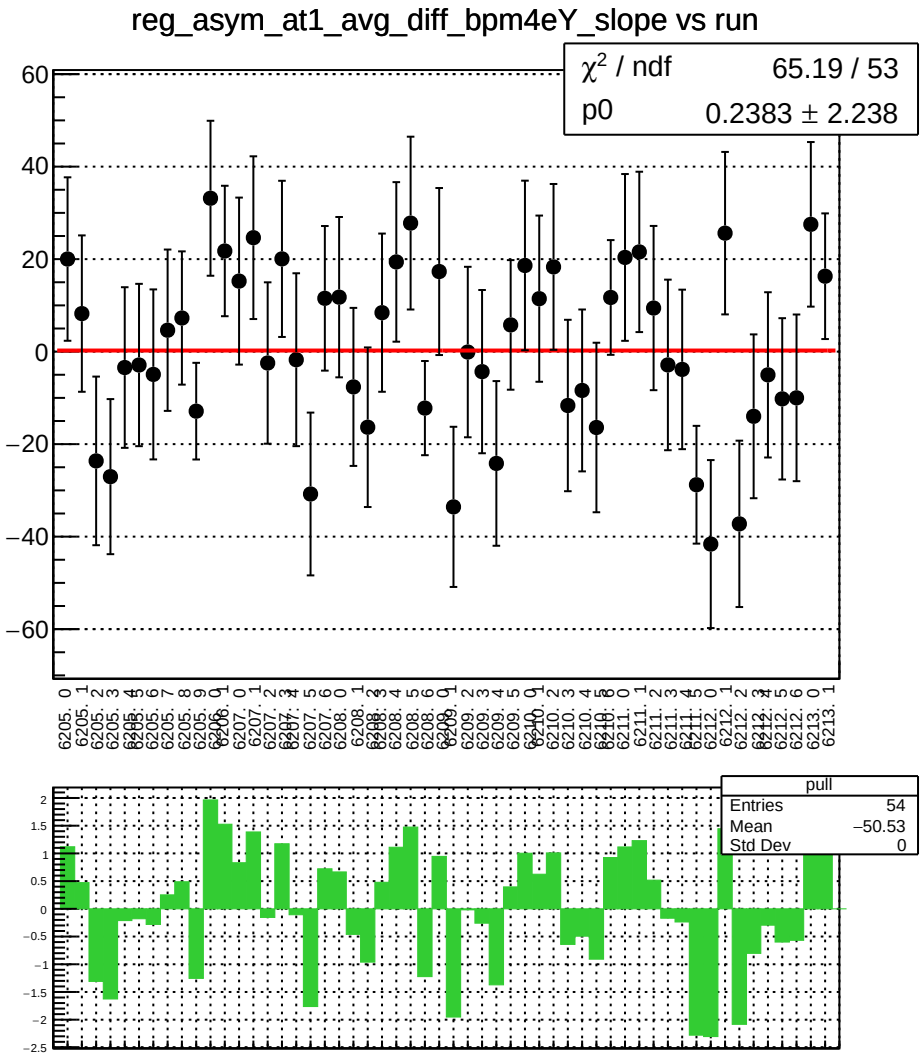

reg_asym_at1_avg_diff_bpm1X_slope vs run
χ² / ndf 73.11 / 53
p0 −30.55 ± 2.041
pull
Entries 54
Mean 44.58
Std Dev 0

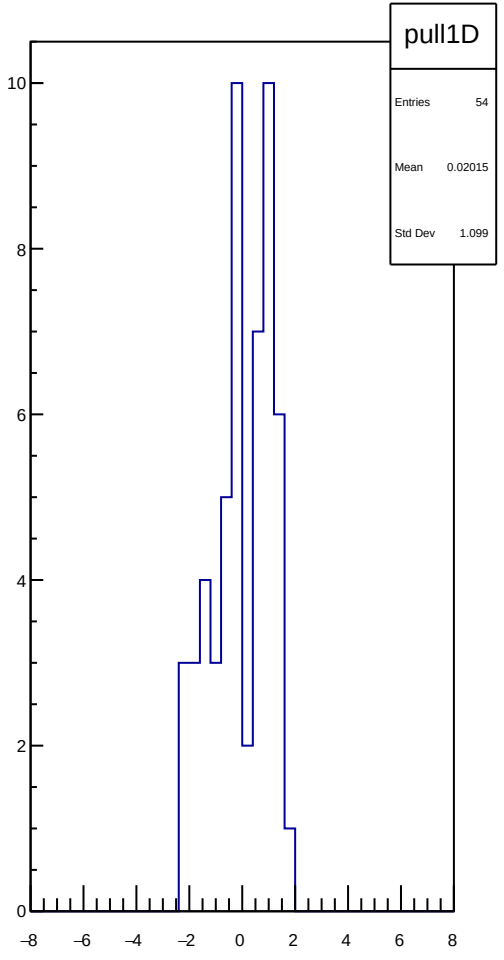

pull1D
Entries 54
Mean −0.05322
Std Dev 1.162

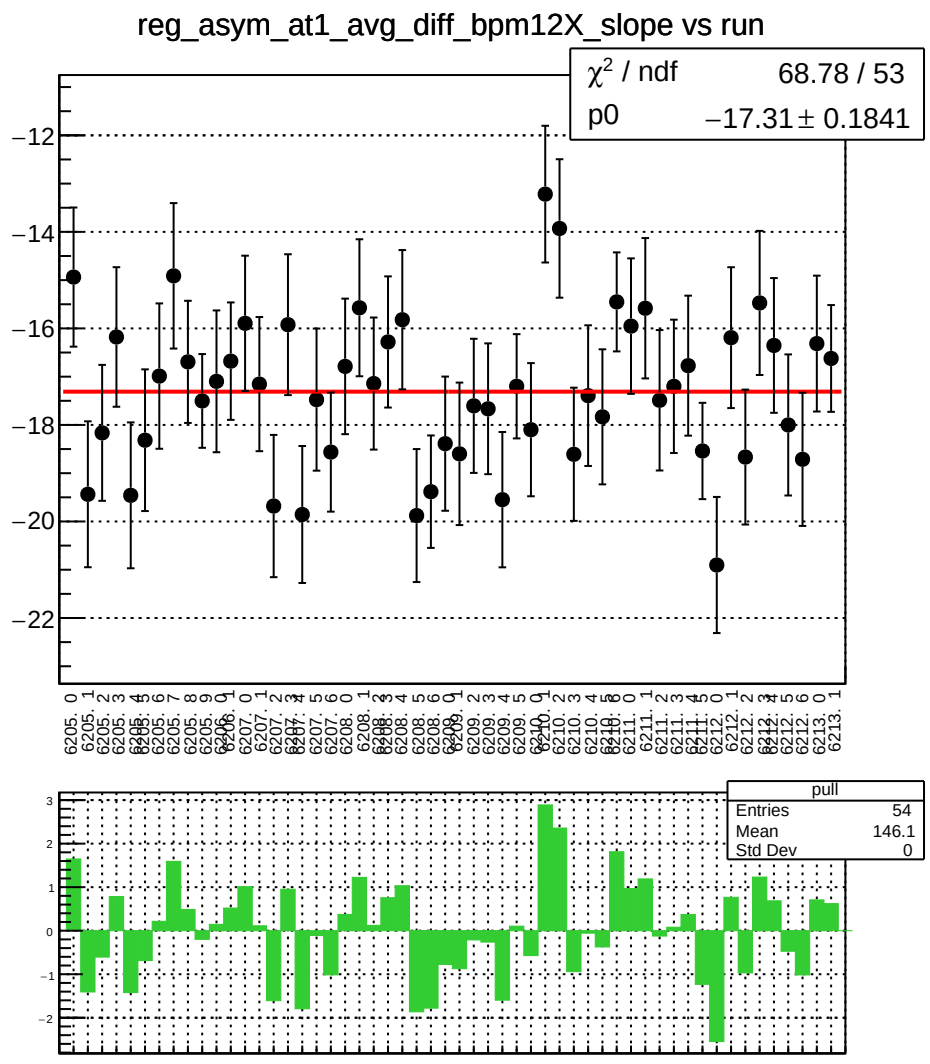

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ² / ndf 65.56 / 53
p0 −3.374 ± 2.009
pull
Entries 54
Mean −61.85
Std Dev 0

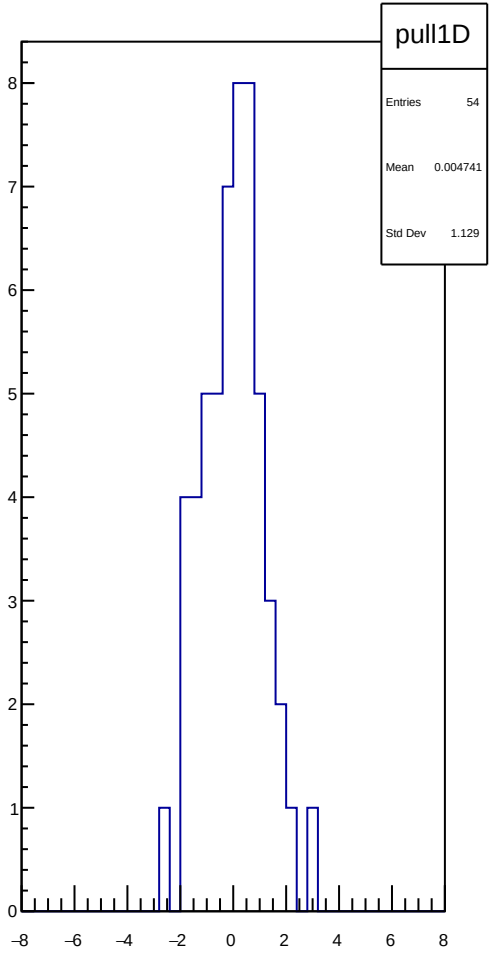

pull1D
Entries 54
Mean −0.02202
Std Dev 1.102

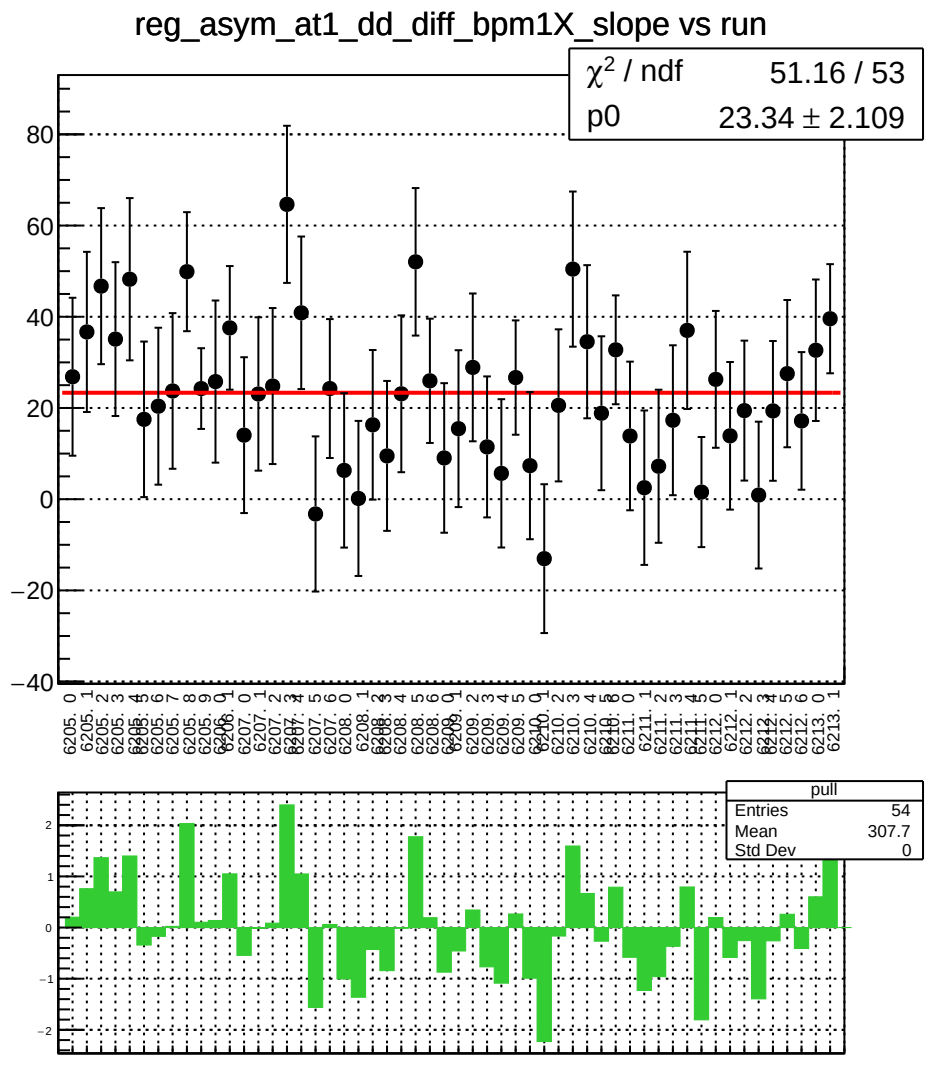

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ² / ndf 76.88 / 53
p0 28.96 ± 2.231
pull
Entries 54
Mean 50.84
Std Dev 0
pull1D
Entries 54
Mean 0.063
Std Dev 1.192

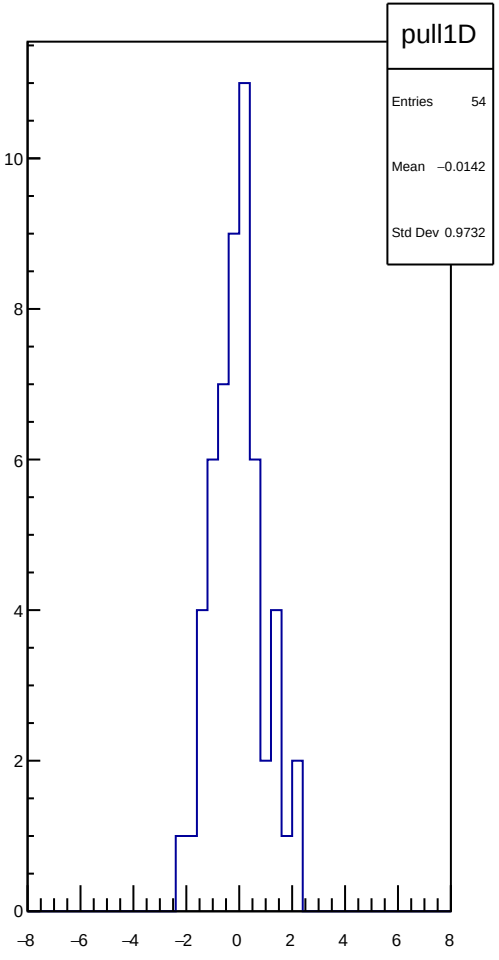

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ² / ndf 65.19 / 53
p0 0.2383 ± 2.238
pull
Entries 54
Mean −50.53
Std Dev 0

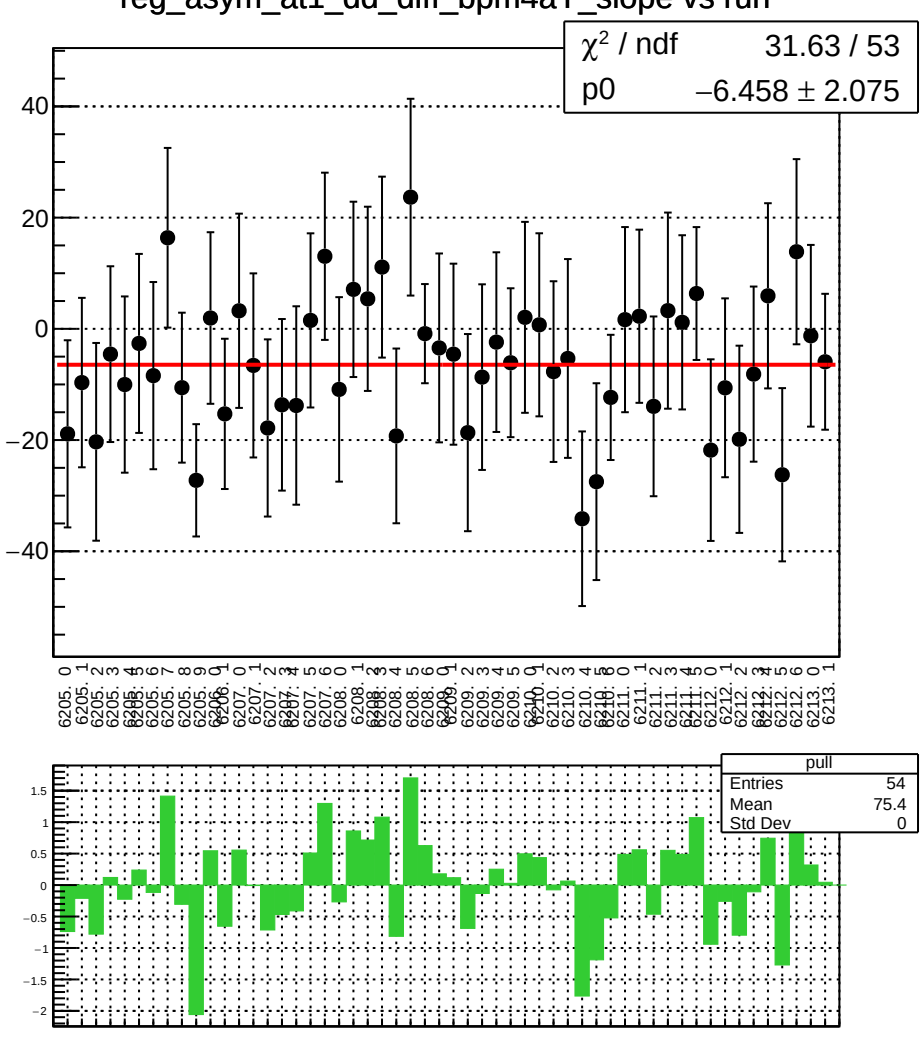

pull1D
Entries 54
Mean 0.02015
Std Dev 1.099

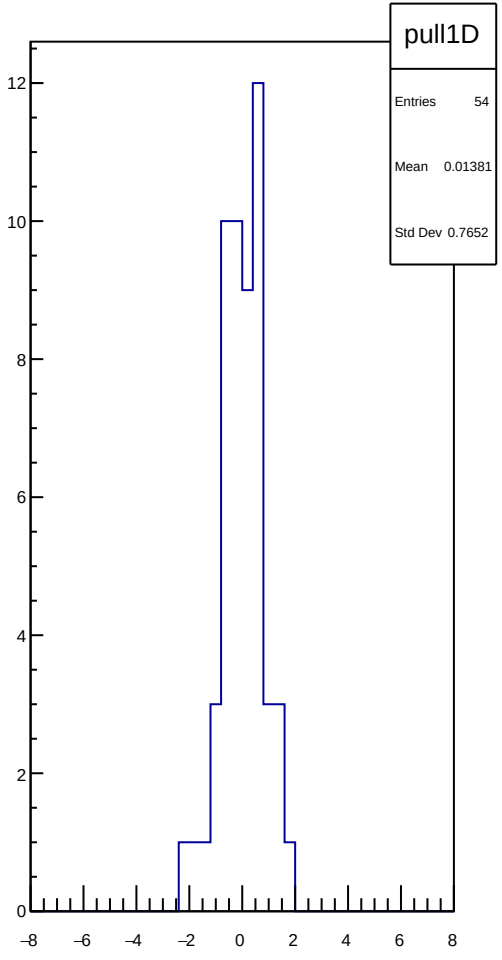

reg_asym_at1_avg_diff_bpm12X_slope vs run
χ² / ndf 68.78 / 53
p0 −17.31 ± 0.1841
pull
Entries 54
Mean 146.1
Std Dev 0

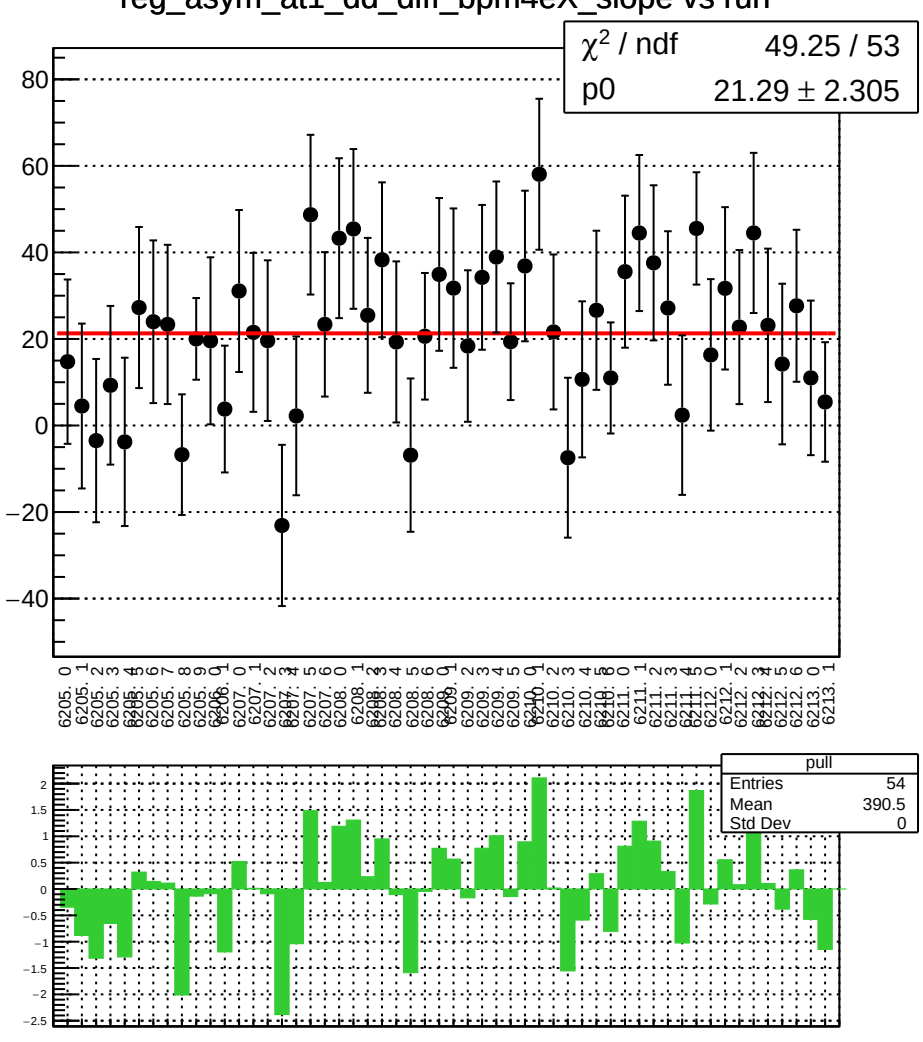

pull1D
Entries 54
Mean 0.004741
Std Dev 1.129

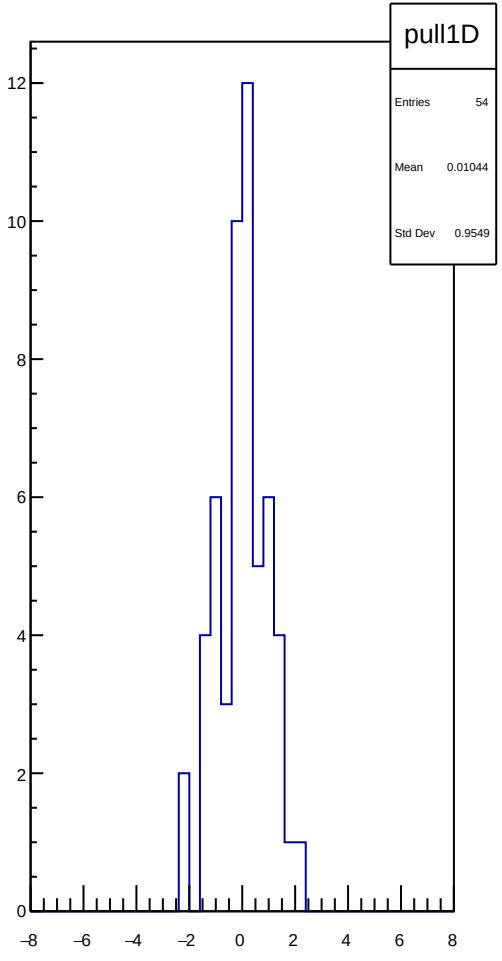

reg_asym_at1_dd_diff_bpm1X_slope vs run
χ² / ndf 51.16 / 53
p0 23.34 ± 2.109
pull
Entries 54
Mean 307.7
Std Dev 0

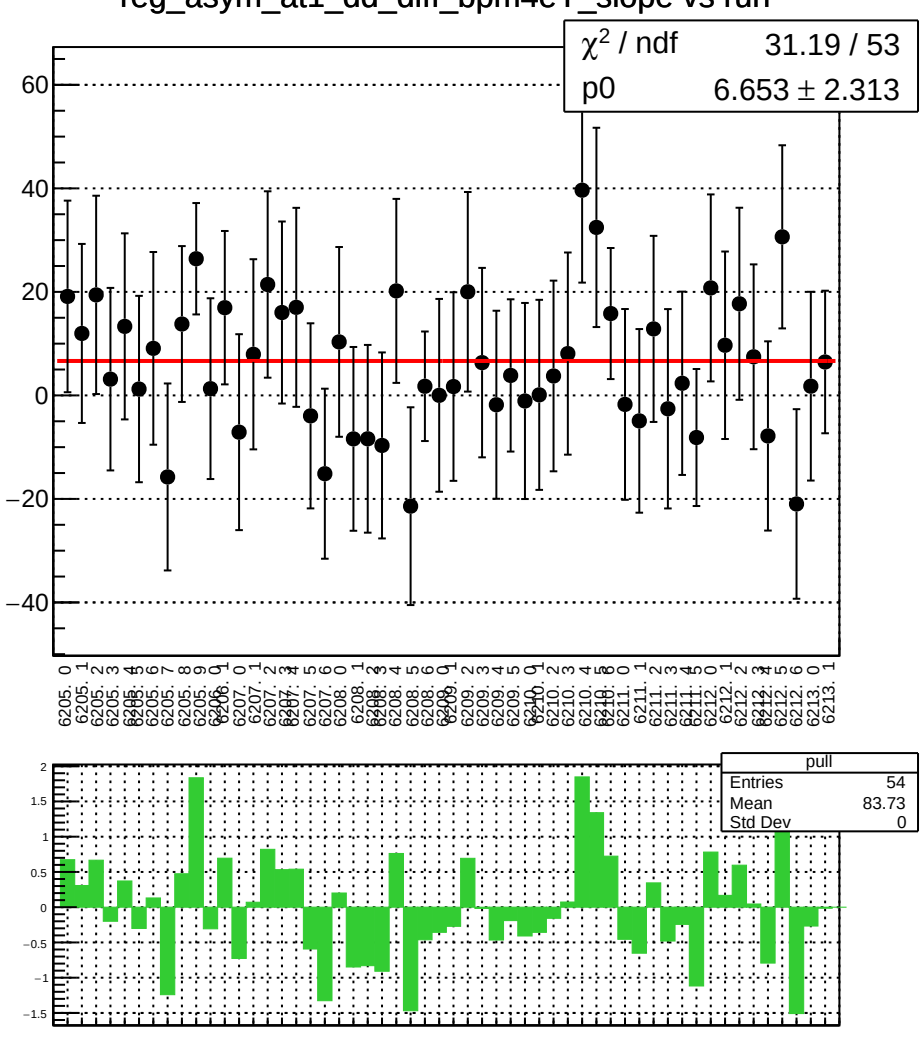

pull1D
Entries 54
Mean −0.0142
Std Dev 0.9732

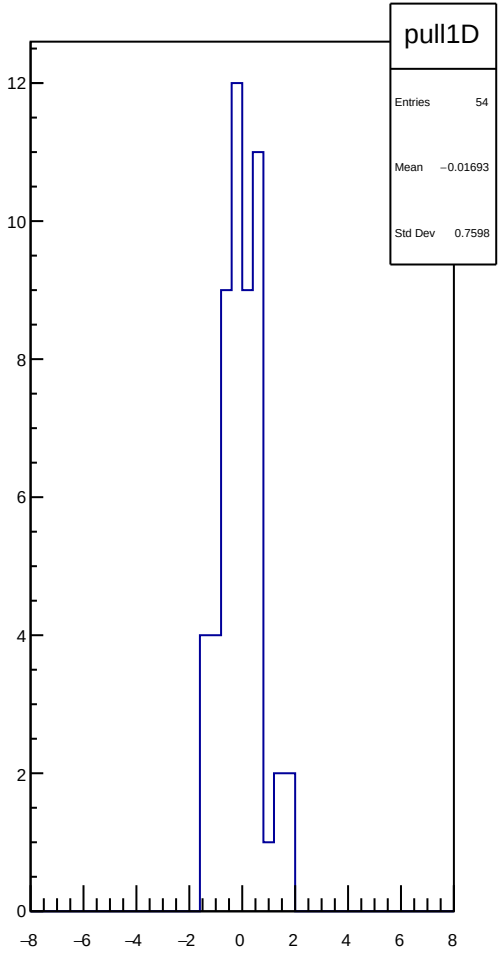

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ² / ndf 31.63 / 53
p0 −6.458 ± 2.075
pull
Entries 54
Mean 75.4
Std Dev 0

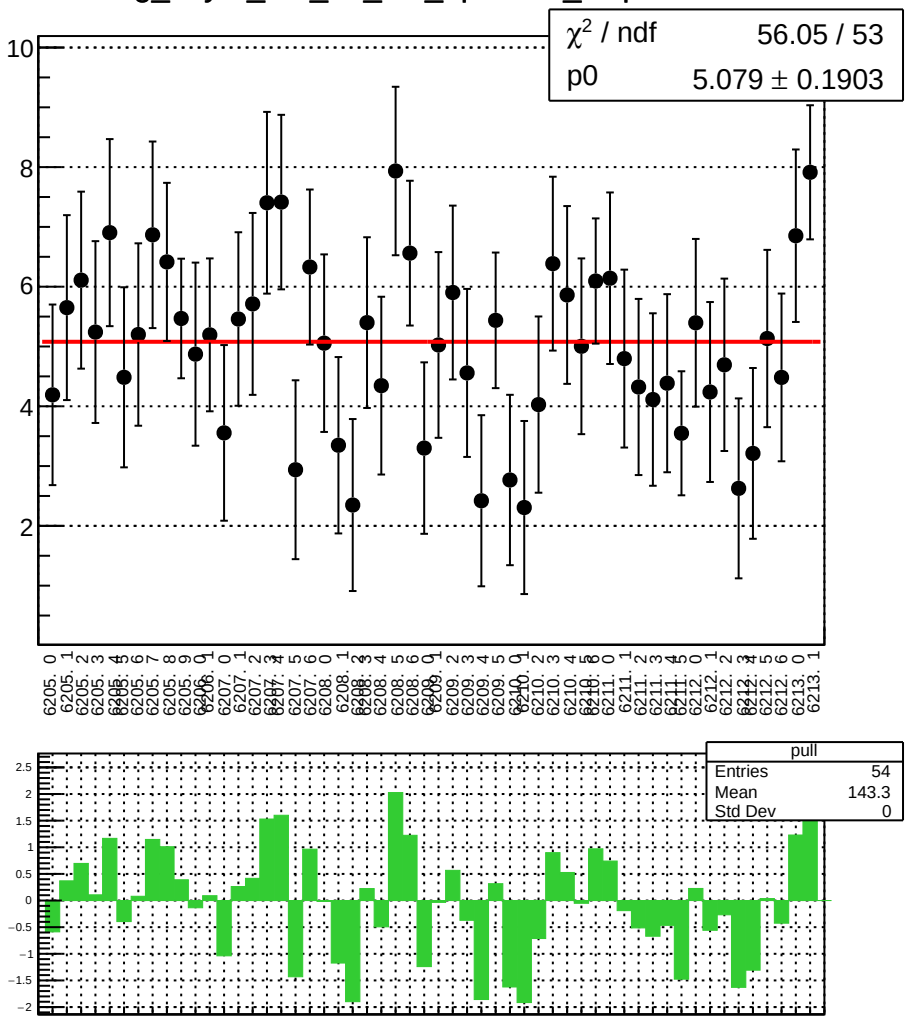

pull1D
Entries 54
Mean 0.01381
Std Dev 0.7652

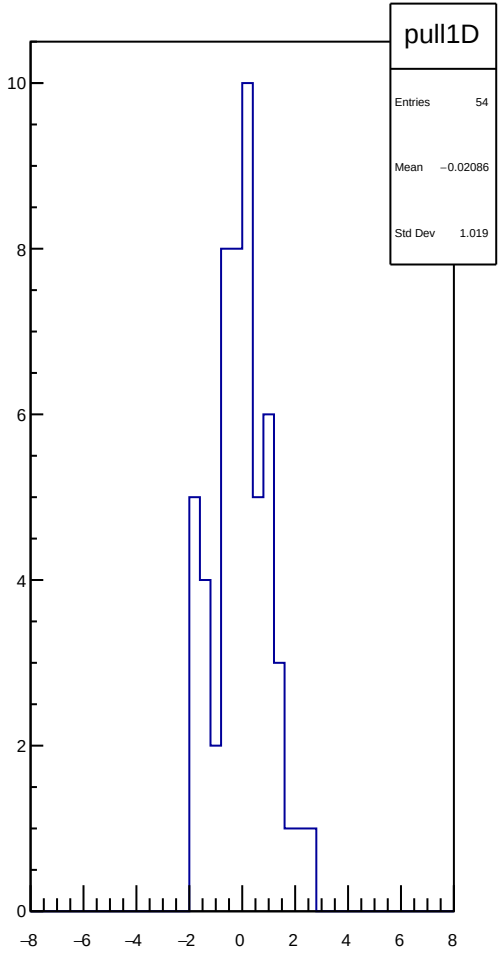

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ² / ndf 49.25 / 53
p0 21.29 ± 2.305
pull
Entries 54
Mean 390.5
Std Dev 0

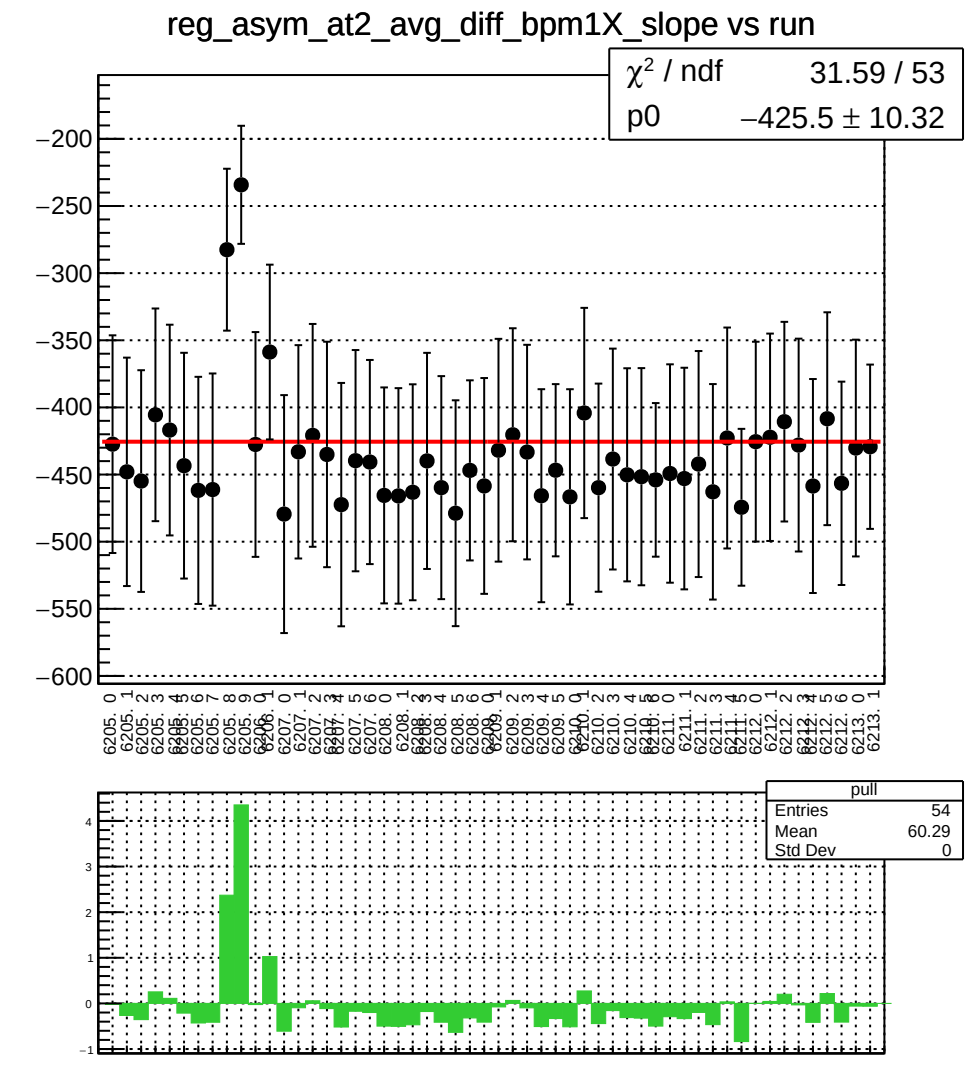

pull1D
Entries 54
Mean 0.01044
Std Dev 0.9549

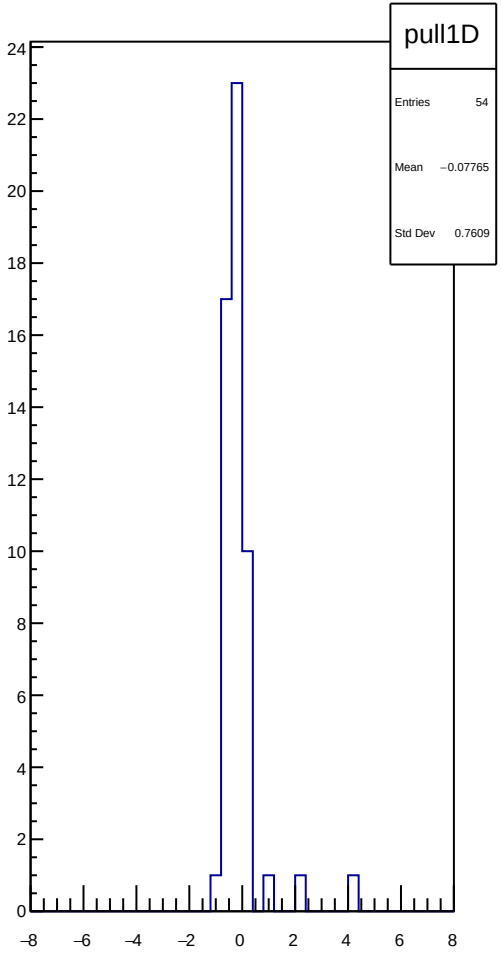

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ² / ndf 31.19 / 53
p0 6.653 ± 2.313
pull
Entries 54
Mean 83.73
Std Dev 0

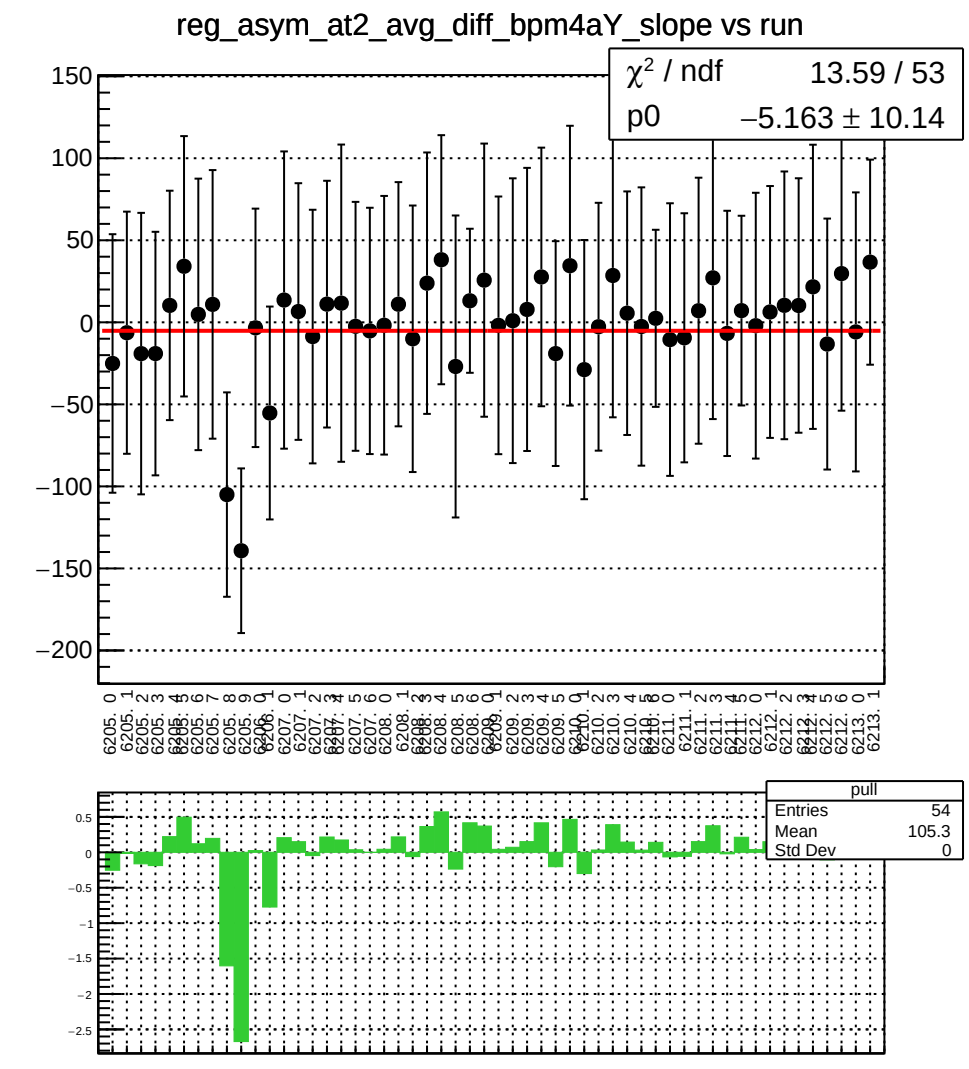

pull1D
Entries 54
Mean −0.01693
Std Dev 0.7598

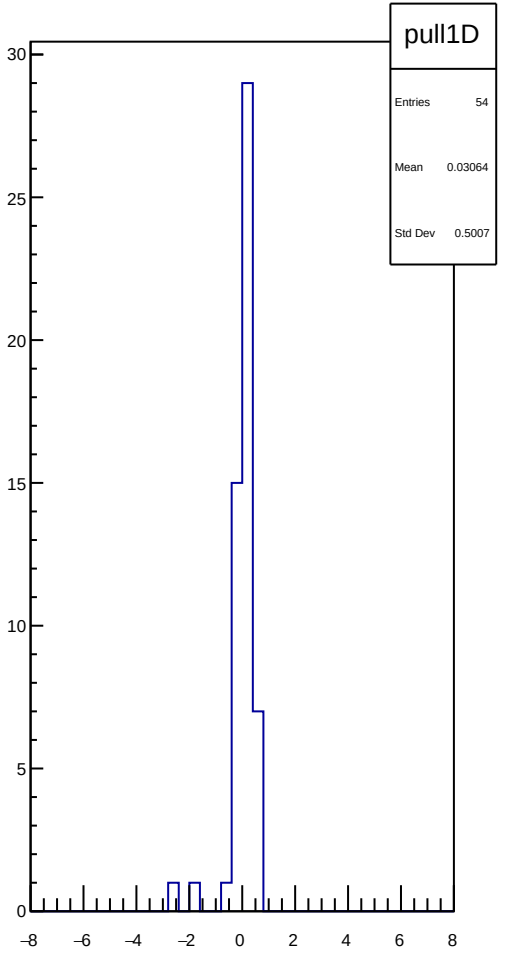

reg_asym_at1_dd_diff_bpm12X_slope vs run
χ² / ndf 56.05 / 53
p0 5.079 ± 0.1903
pull
Entries 54
Mean 143.3
Std Dev 0

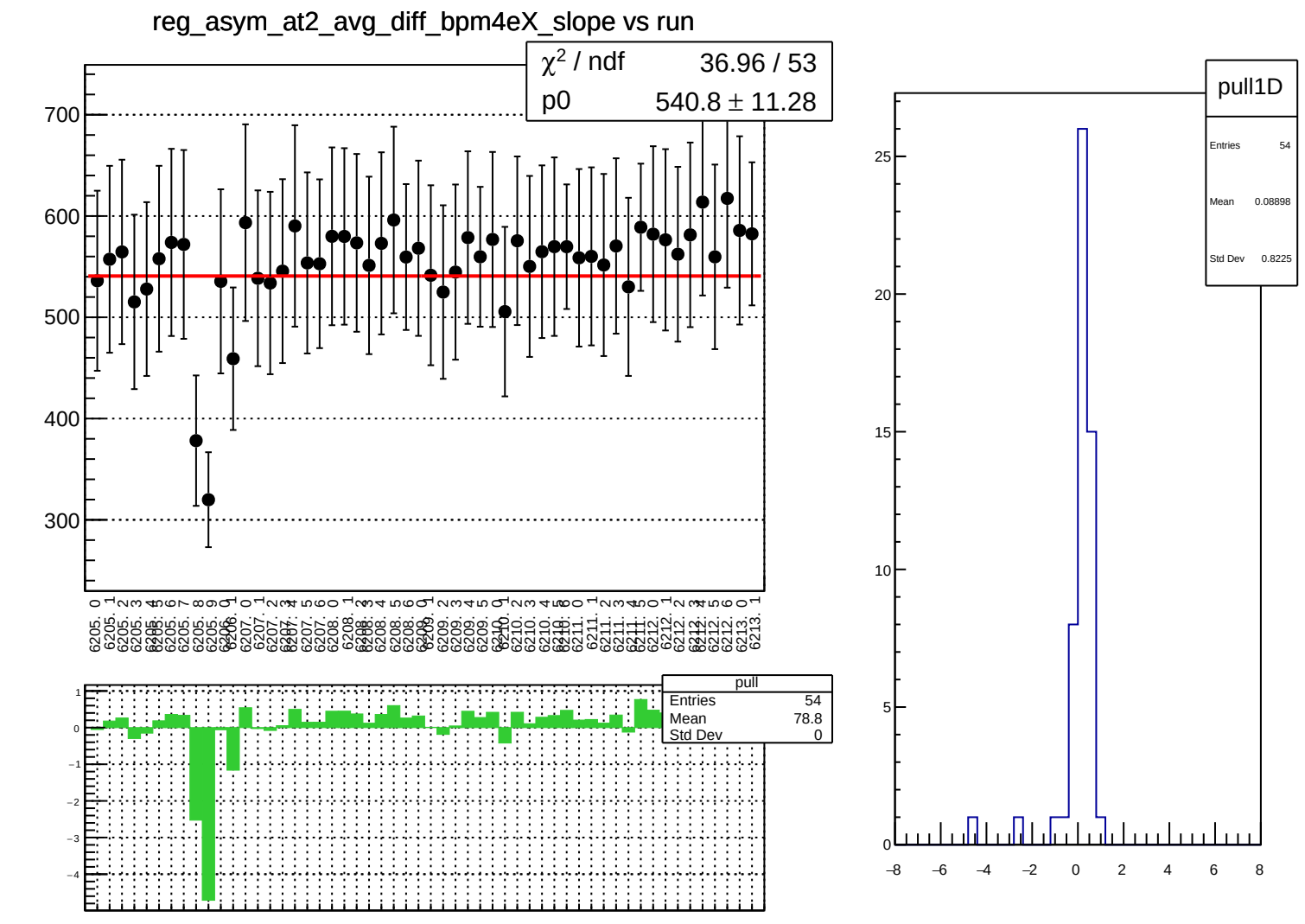

pull1D
Entries 54
Mean −0.02086
Std Dev 1.019

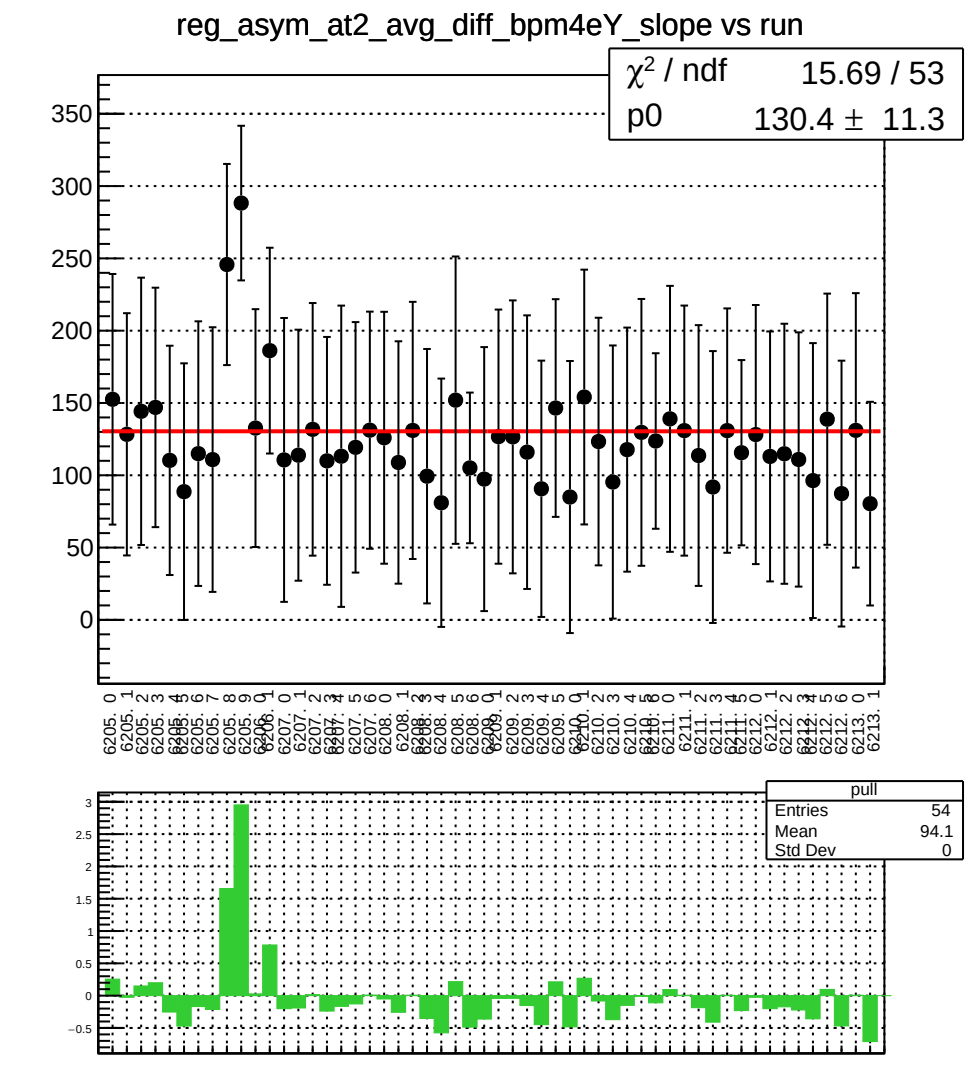

reg_asym_at2_avg_diff_bpm1X_slope vs run
χ² / ndf 31.59 / 53
p0 −425.5 ± 10.32
pull
Entries 54
Mean 60.29
Std Dev 0

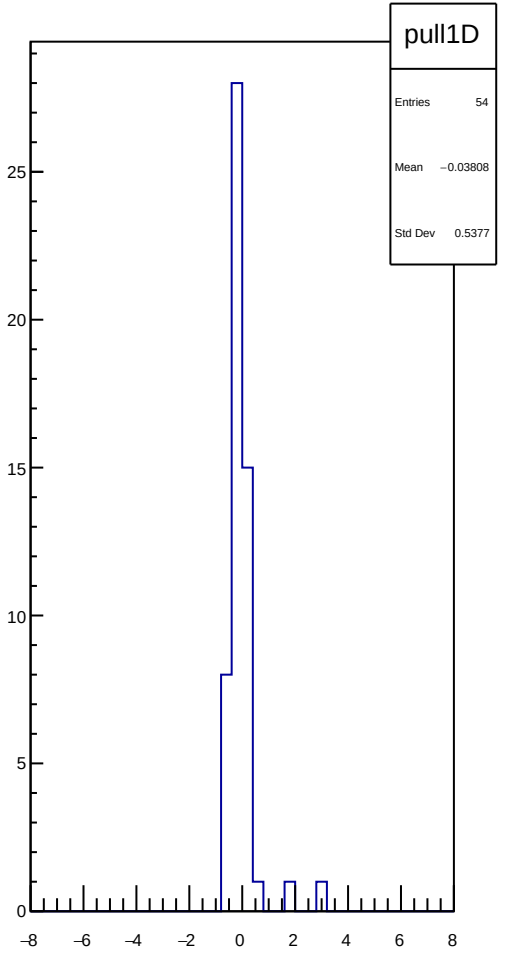

pull1D
Entries 54
Mean −0.07765
Std Dev 0.7609

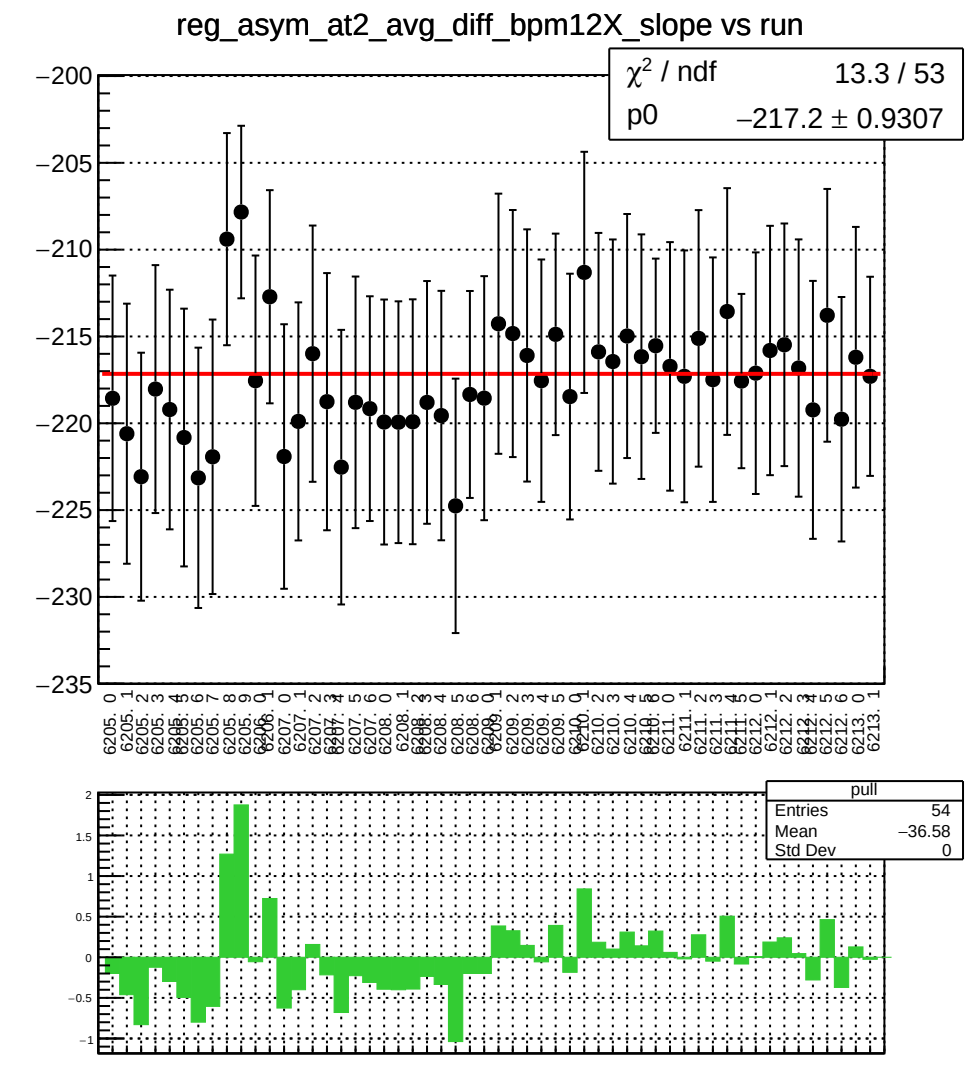

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ² / ndf 13.59 / 53
p0 −5.163 ± 10.14
150
100
50
0
−50
−100
−150
−200
pull
Entries 54
Mean 105.3
Std Dev 0
0.5
0
−0.5
−1
−1.5
−2
−2.5

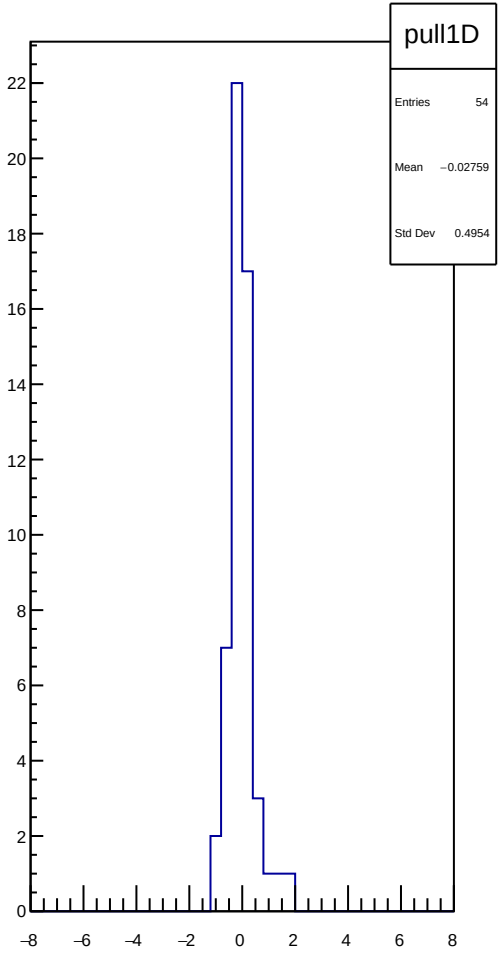

pull1D
Entries 54
Mean 0.03064
Std Dev 0.5007
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

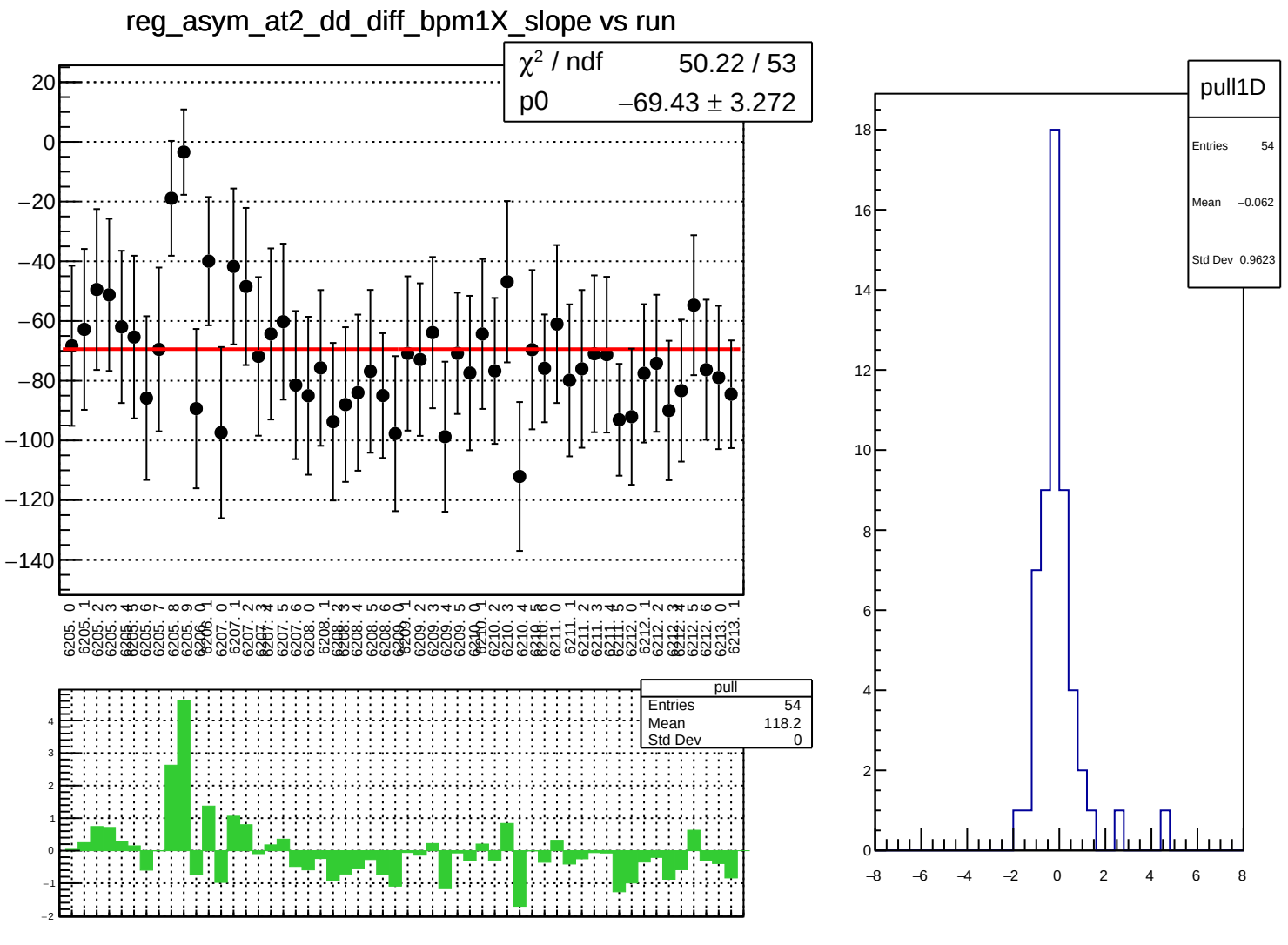

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ² / ndf 36.96 / 53
p0 540.8 ± 11.28
700
600
500
400
300
pull
Entries 54
Mean 78.8
Std Dev 0
pull1D
Entries 54
Mean 0.08898
Std Dev 0.8225
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

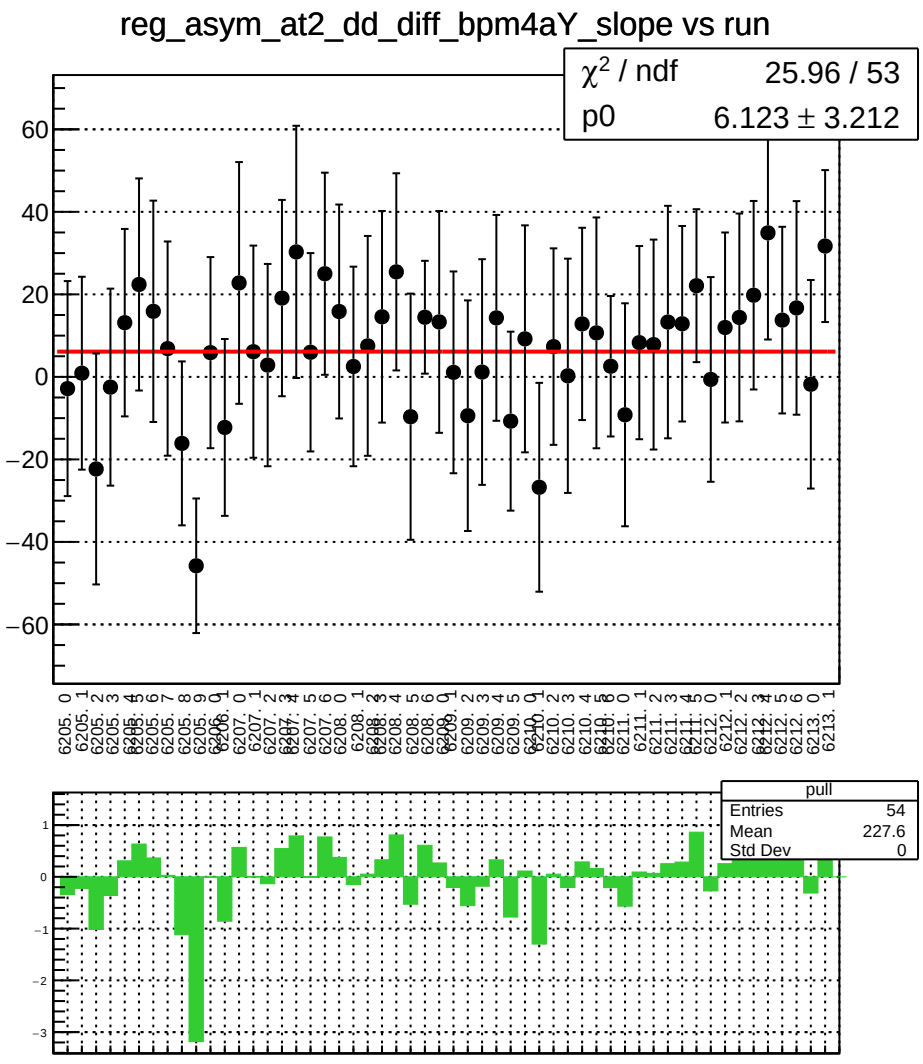

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ² / ndf 15.69 / 53
p0 130.4 ± 11.3
pull
Entries 54
Mean 94.1
Std Dev 0

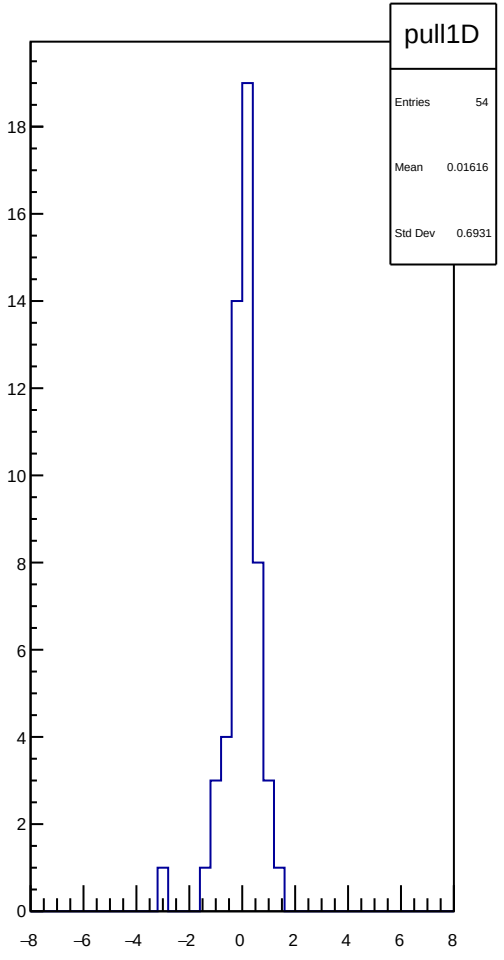

pull1D
Entries 54
Mean −0.03808
Std Dev 0.5377

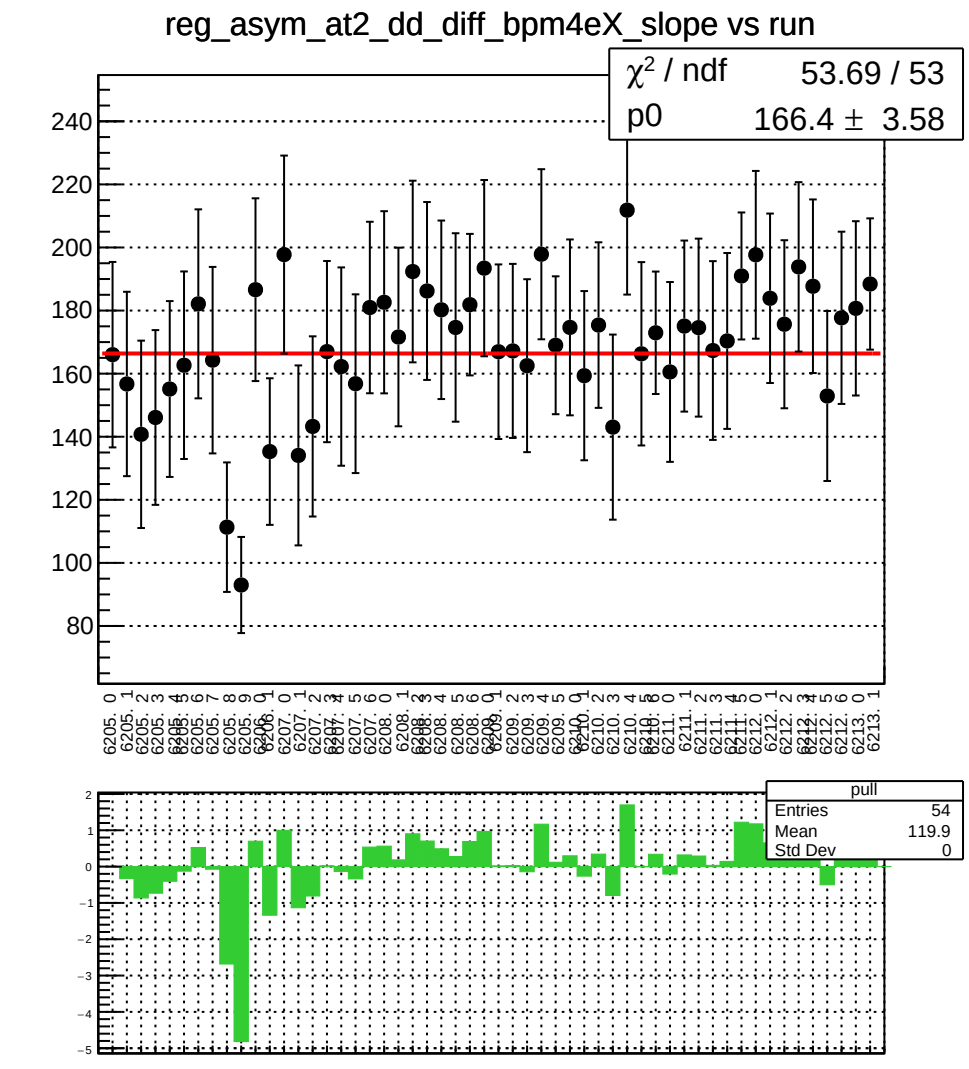

reg_asym_at2_avg_diff_bpm12X_slope vs run
χ² / ndf 13.3 / 53
p0 −217.2 ± 0.9307
pull
Entries 54
Mean −36.58
Std Dev 0

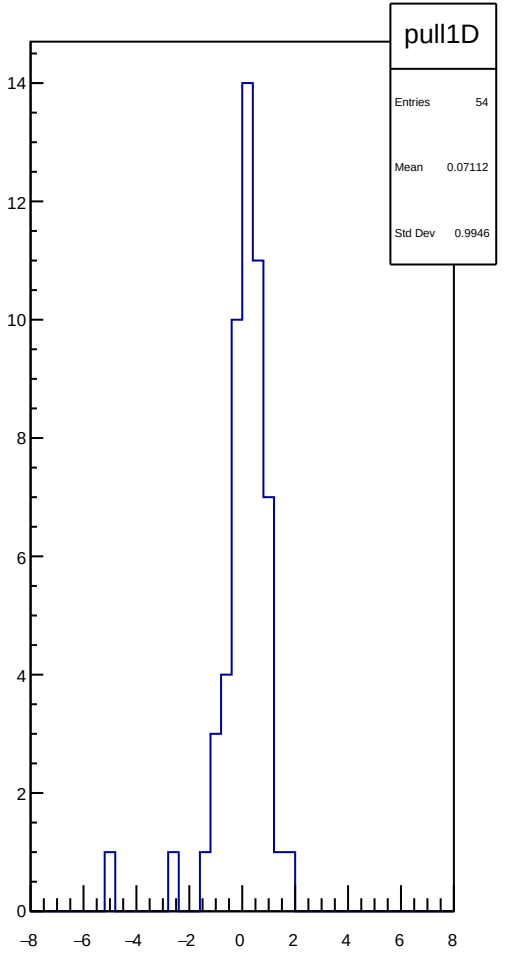

pull1D
Entries 54
Mean −0.02759
Std Dev 0.4954

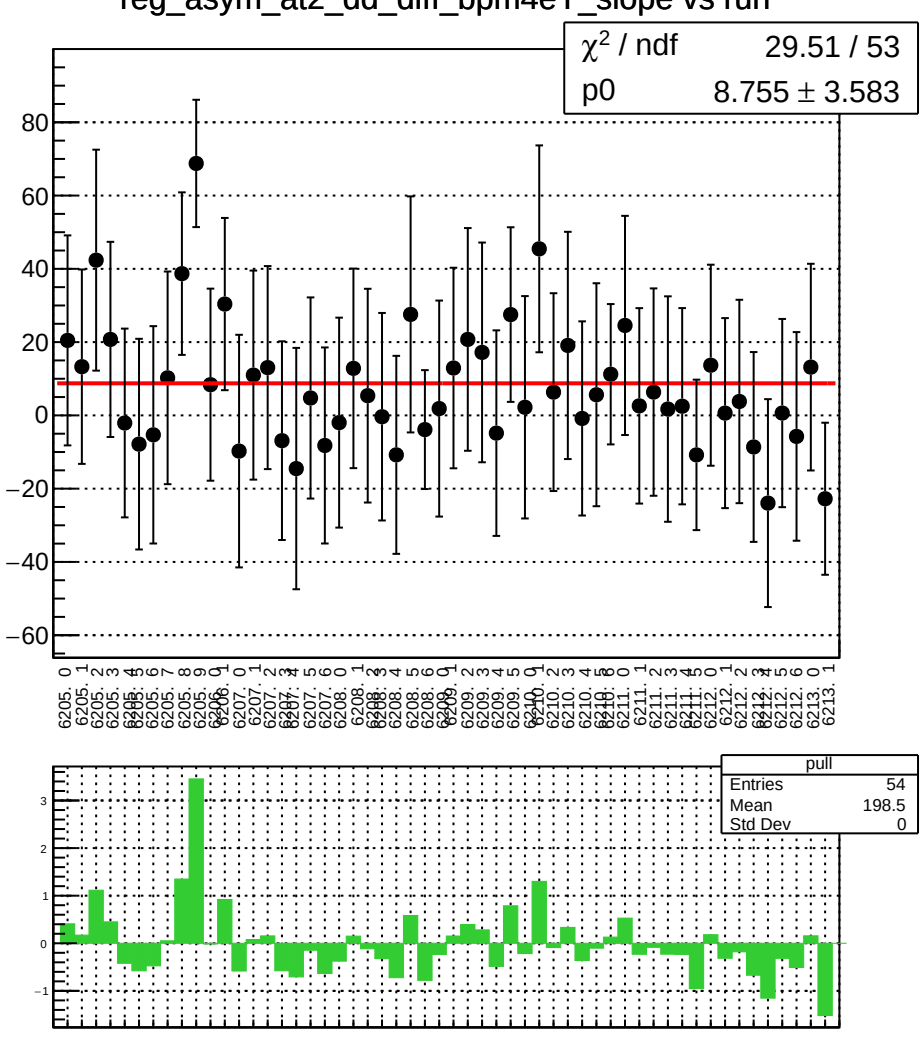

reg_asym_at2_dd_diff_bpm1X_slope vs run
χ² / ndf 50.22 / 53
p0 −69.43 ± 3.272
pull
Entries 54
Mean 118.2
Std Dev 0
pull1D
Entries 54
Mean −0.062
Std Dev 0.9623

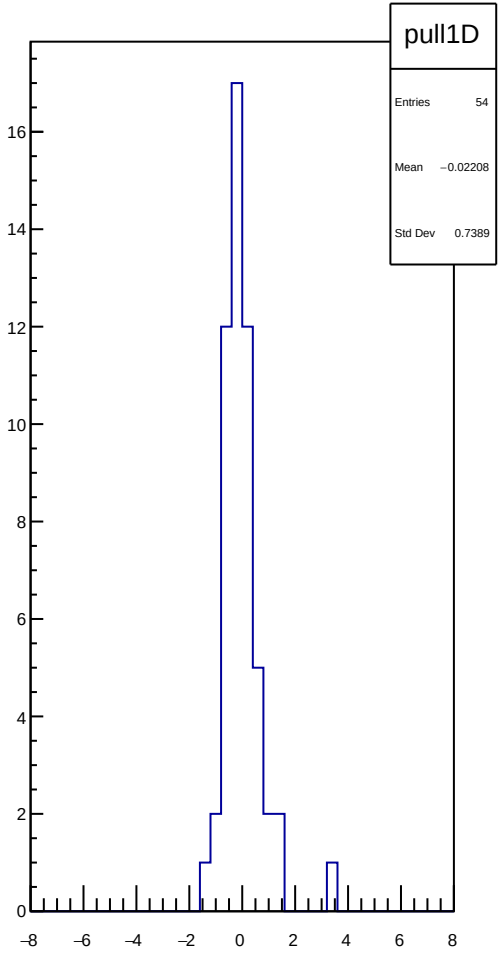

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ² / ndf 25.96 / 53
p0 6.123 ± 3.212
pull
Entries 54
Mean 227.6
Std Dev 0

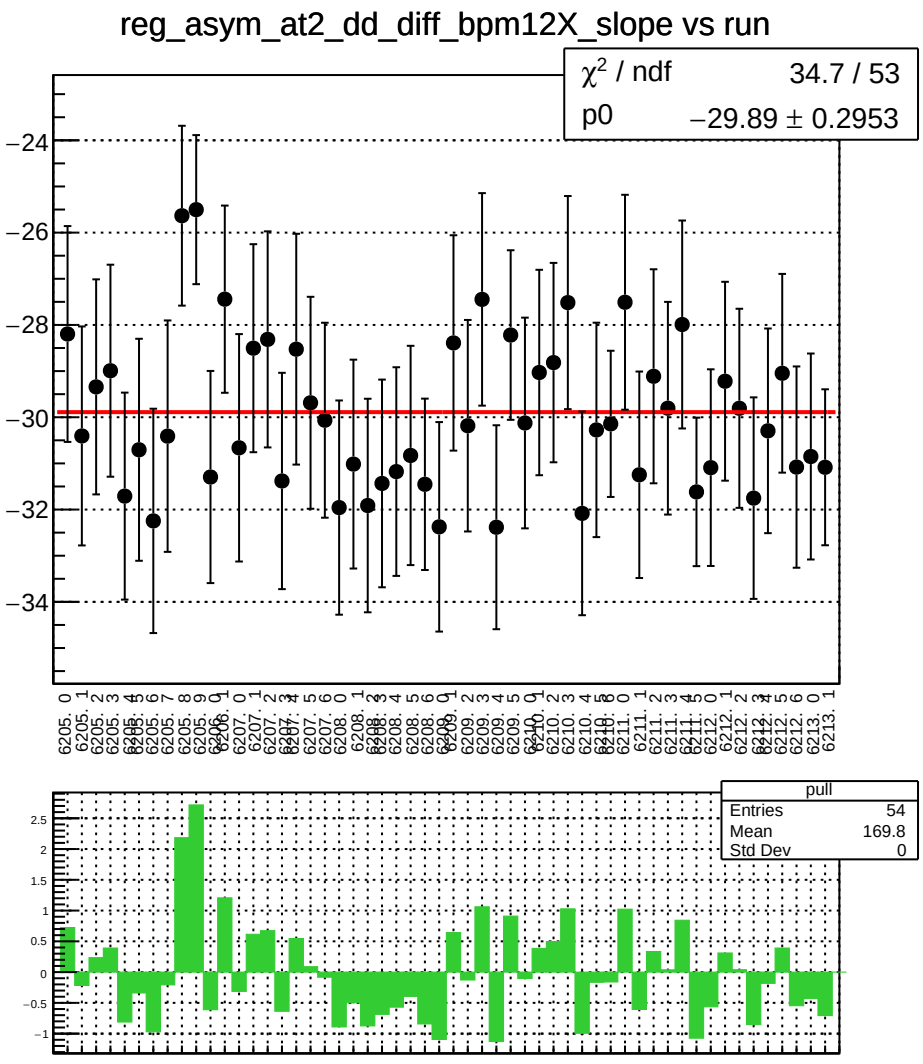

pull1D
Entries 54
Mean 0.01616
Std Dev 0.6931

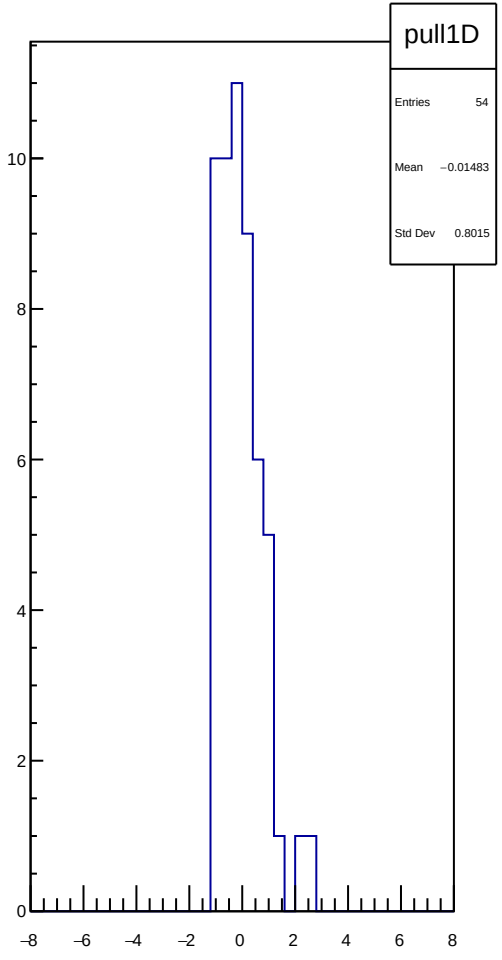

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ² / ndf 53.69 / 53
p0 166.4 ± 3.58
pull
Entries 54
Mean 119.9
Std Dev 0

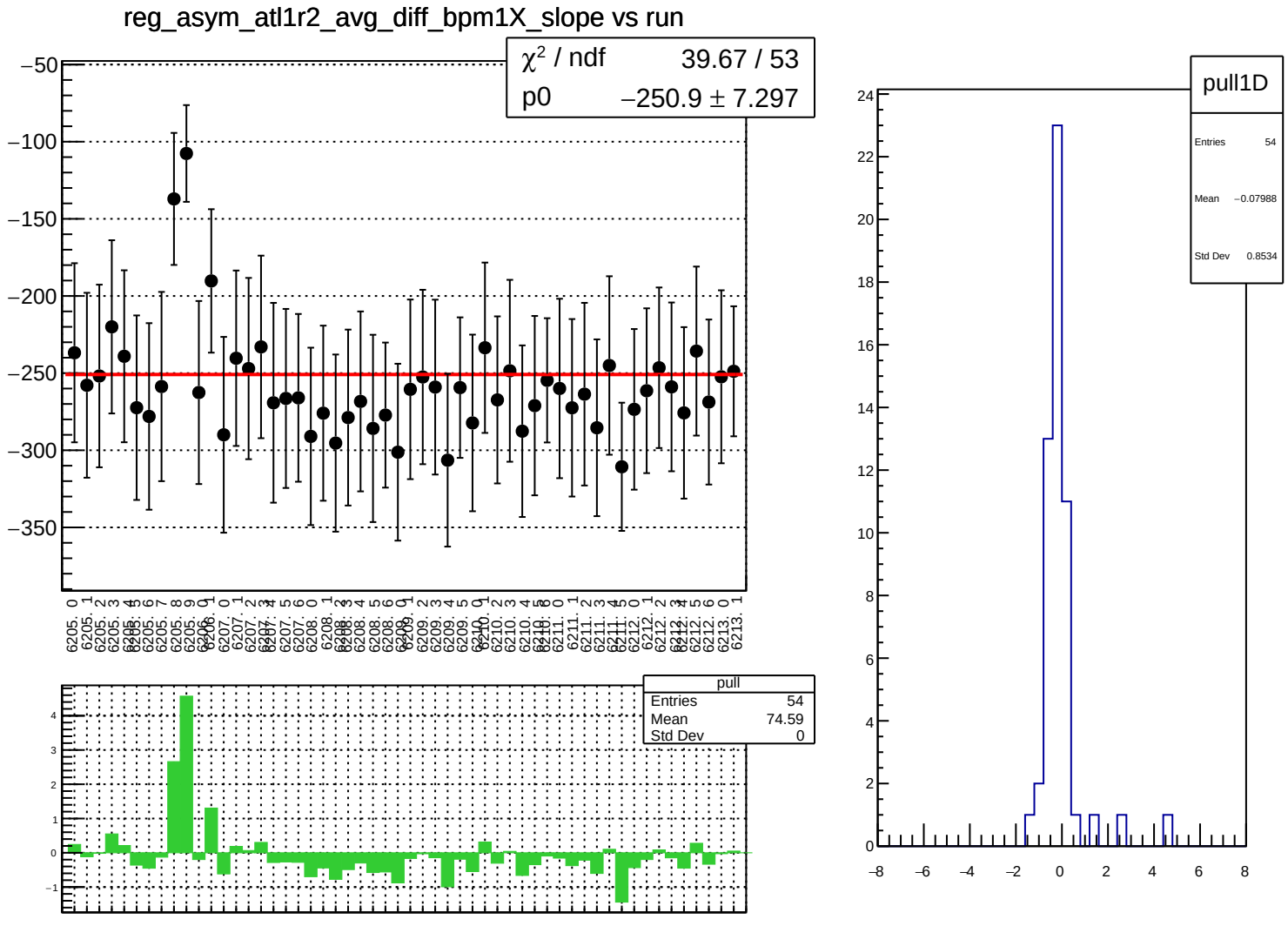

pull1D
Entries 54
Mean 0.07112
Std Dev 0.9946

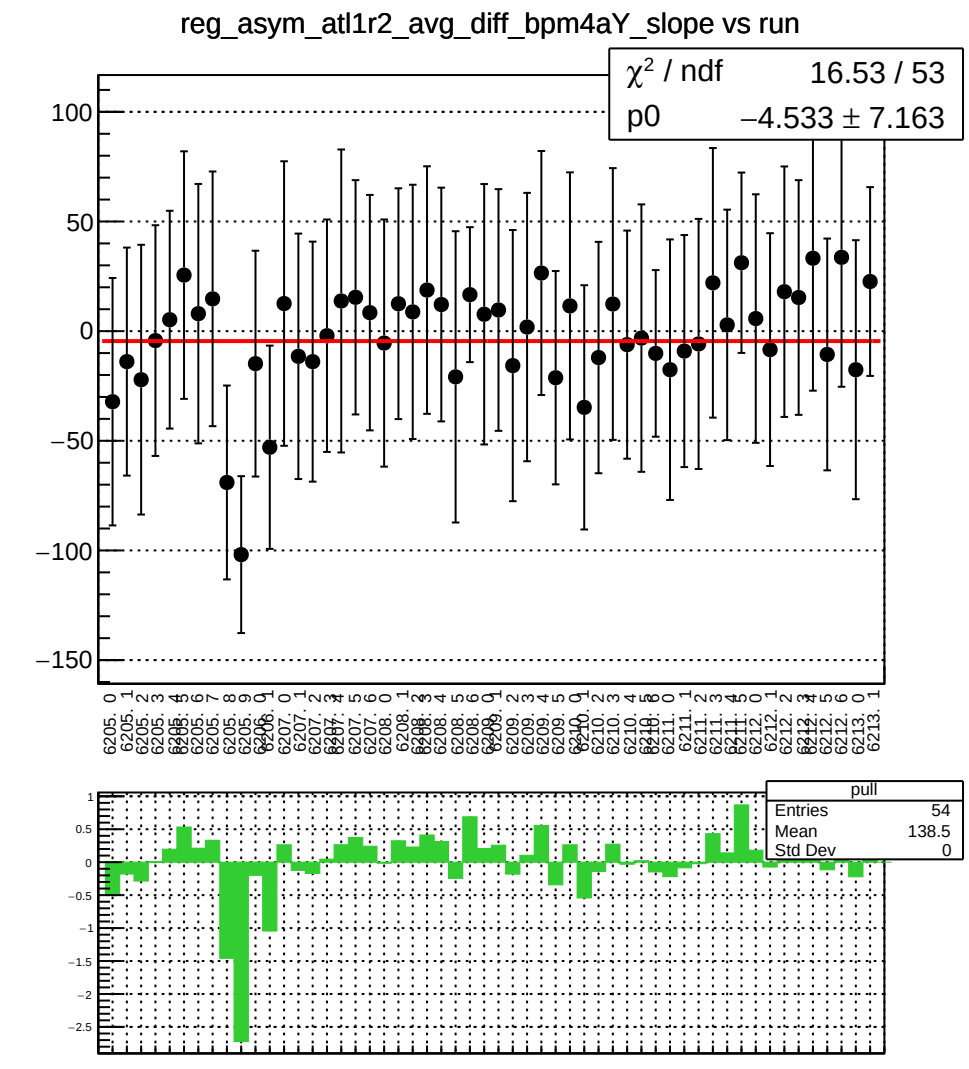

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ² / ndf 29.51 / 53
p0 8.755 ± 3.583
pull
Entries 54
Mean 198.5
Std Dev 0

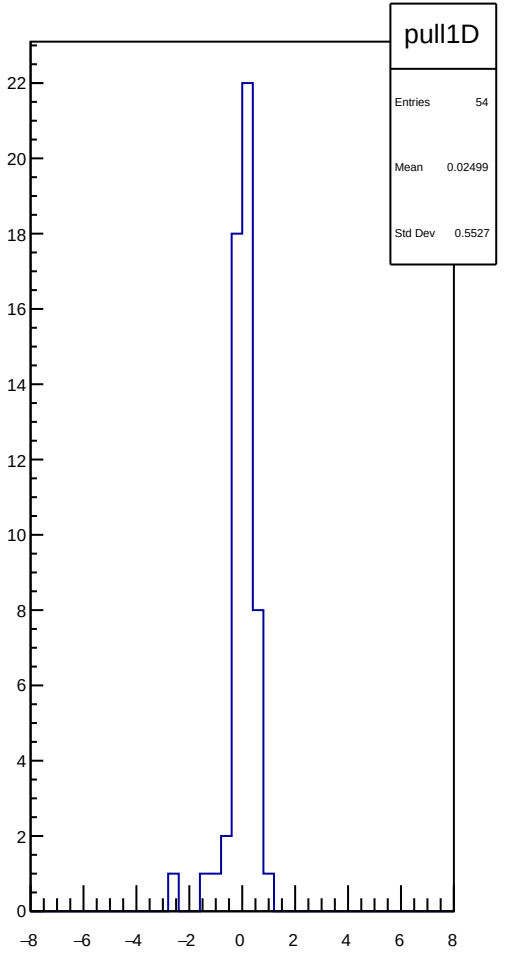

pull1D
Entries 54
Mean −0.02208
Std Dev 0.7389

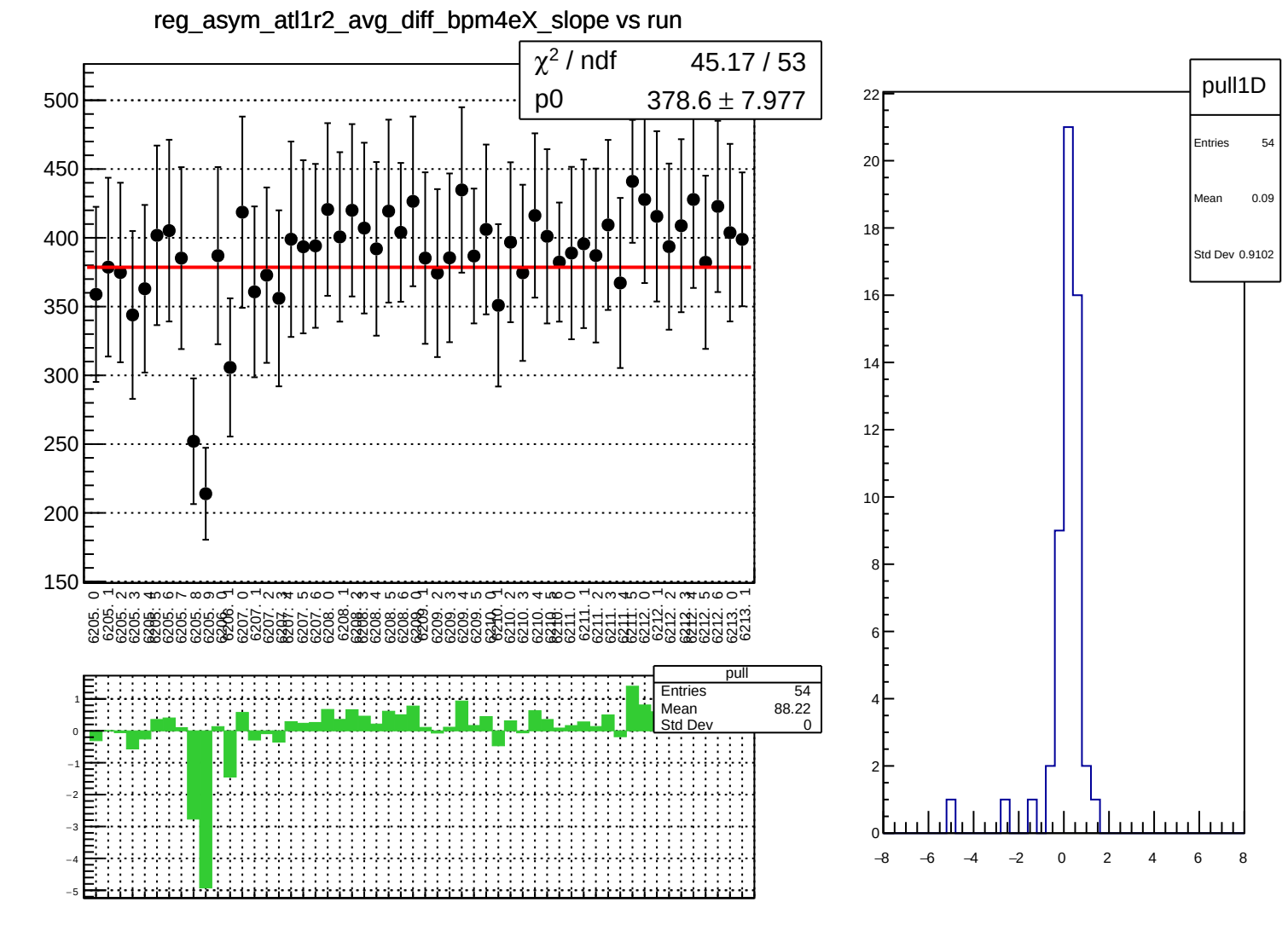

reg_asym_at2_dd_diff_bpm12X_slope vs run
χ² / ndf 34.7 / 53
p0 −29.89 ± 0.2953
pull
Entries 54
Mean 169.8
Std Dev 0

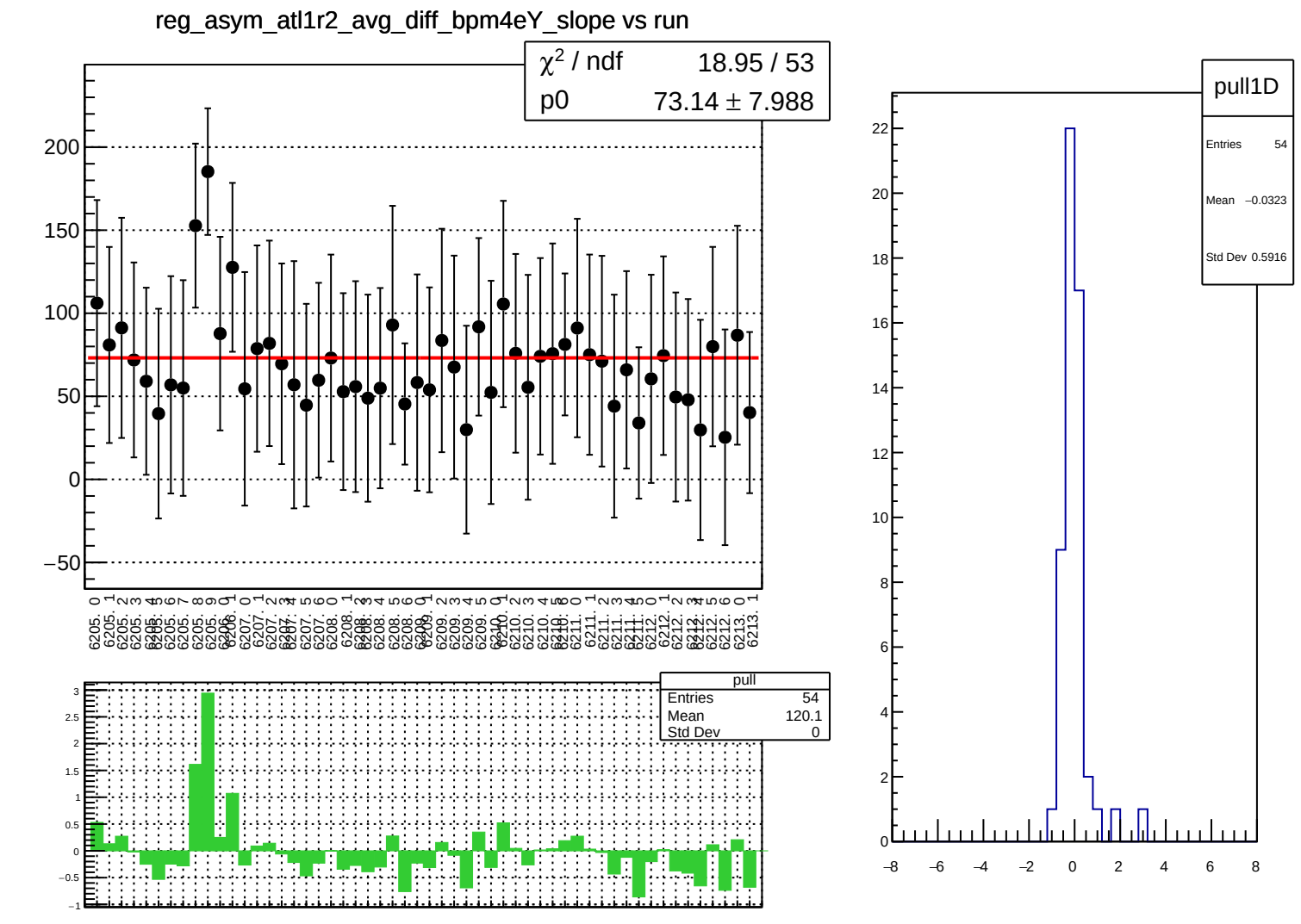

pull1D
Entries 54
Mean −0.01483
Std Dev 0.8015

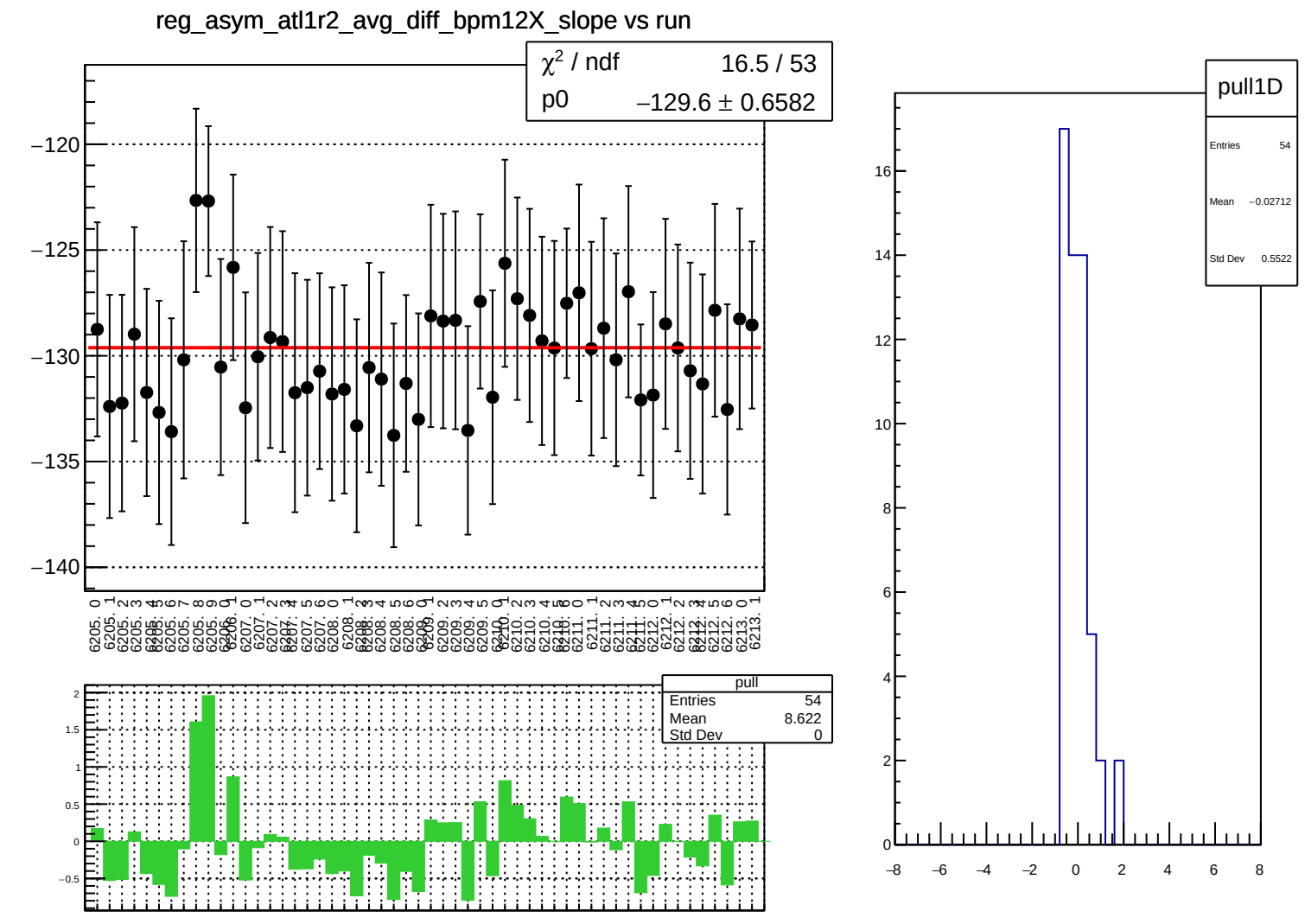

reg_asym_atl1r2_avg_diff_bpm1X_slope vs run
χ² / ndf 39.67 / 53
p0 −250.9 ± 7.297
pull
Entries 54
Mean 74.59
Std Dev 0
pull1D
Entries 54
Mean −0.07988
Std Dev 0.8534

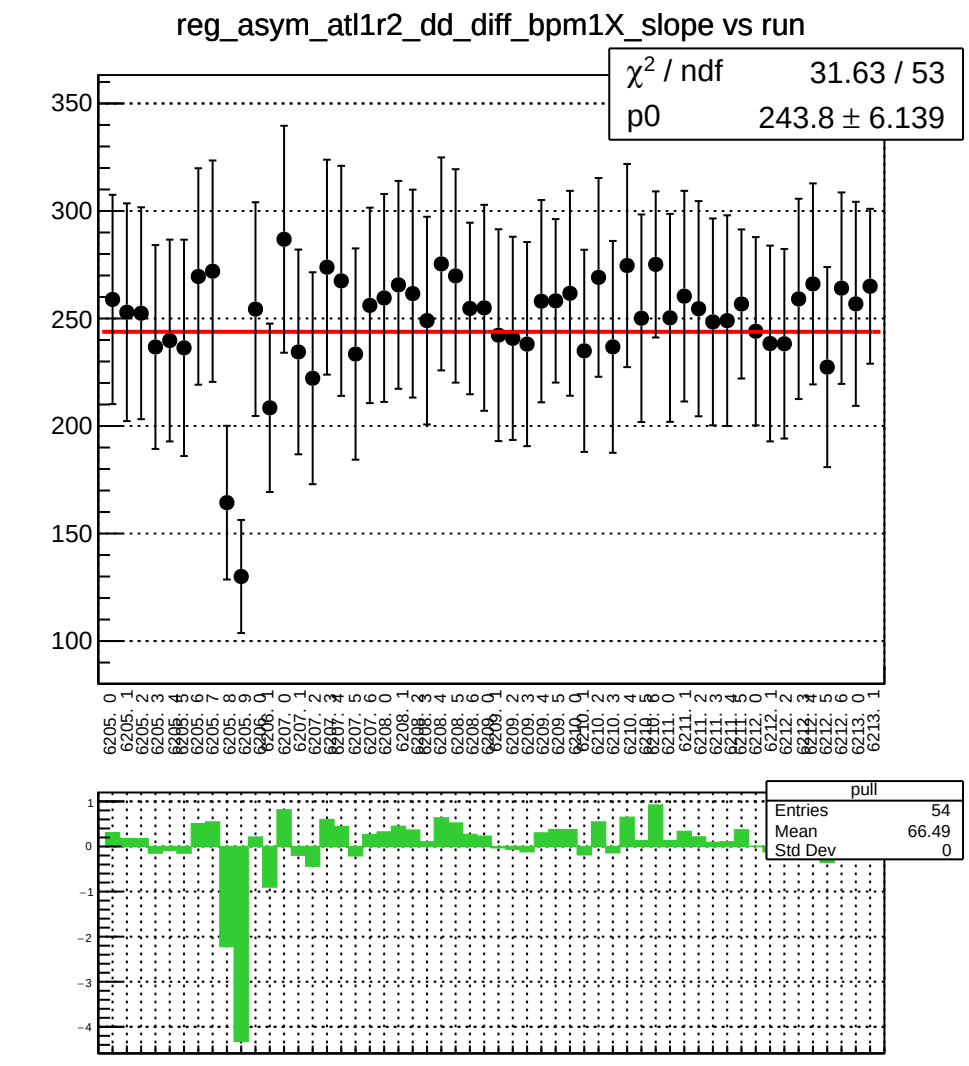

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ² / ndf 16.53 / 53
p0 −4.533 ± 7.163
pull
Entries 54
Mean 138.5
Std Dev 0

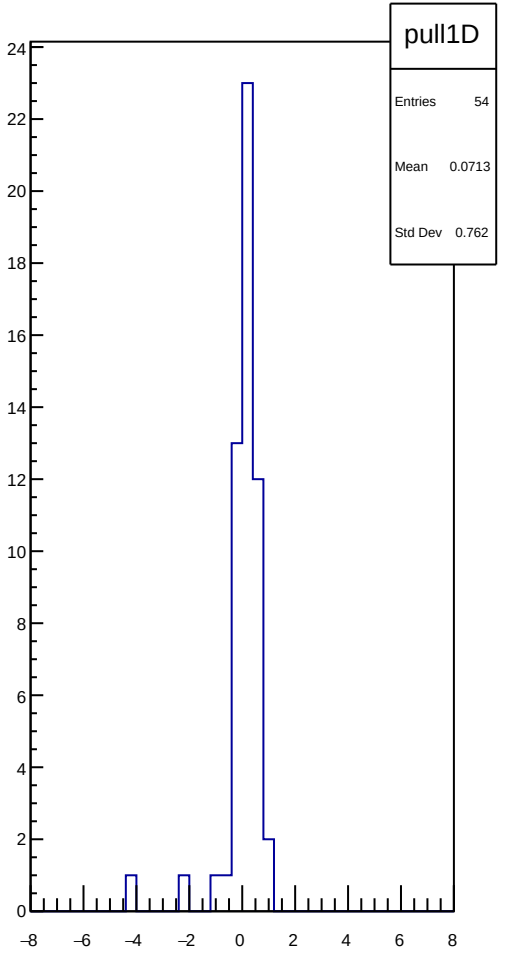

pull1D
Entries 54
Mean 0.02499
Std Dev 0.5527

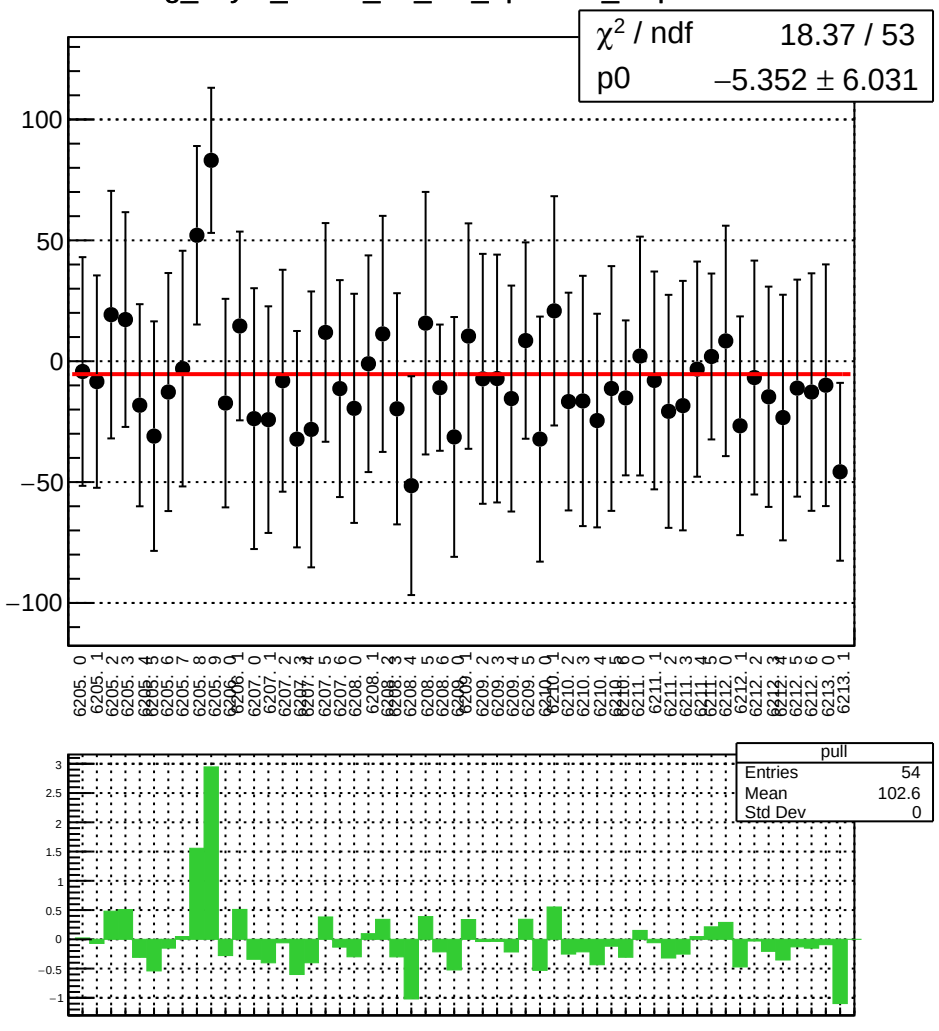

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 45.17 / 53
p0 378.6 ± 7.977
pull
Entries 54
Mean 88.22
Std Dev 0
pull1D
Entries 54
Mean 0.09
Std Dev 0.9102

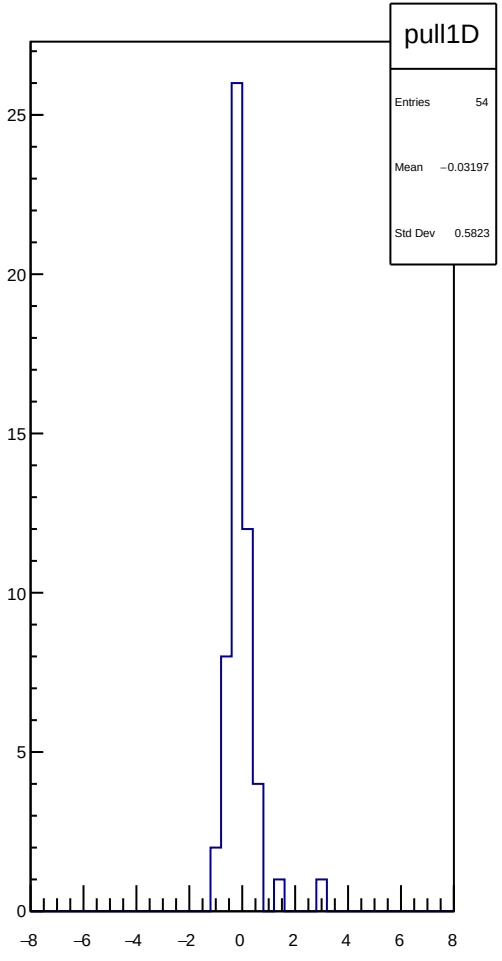

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ² / ndf 18.95 / 53
p0 73.14 ± 7.988
pull
Entries 54
Mean 120.1
Std Dev 0
pull1D
Entries 54
Mean −0.0323
Std Dev 0.5916

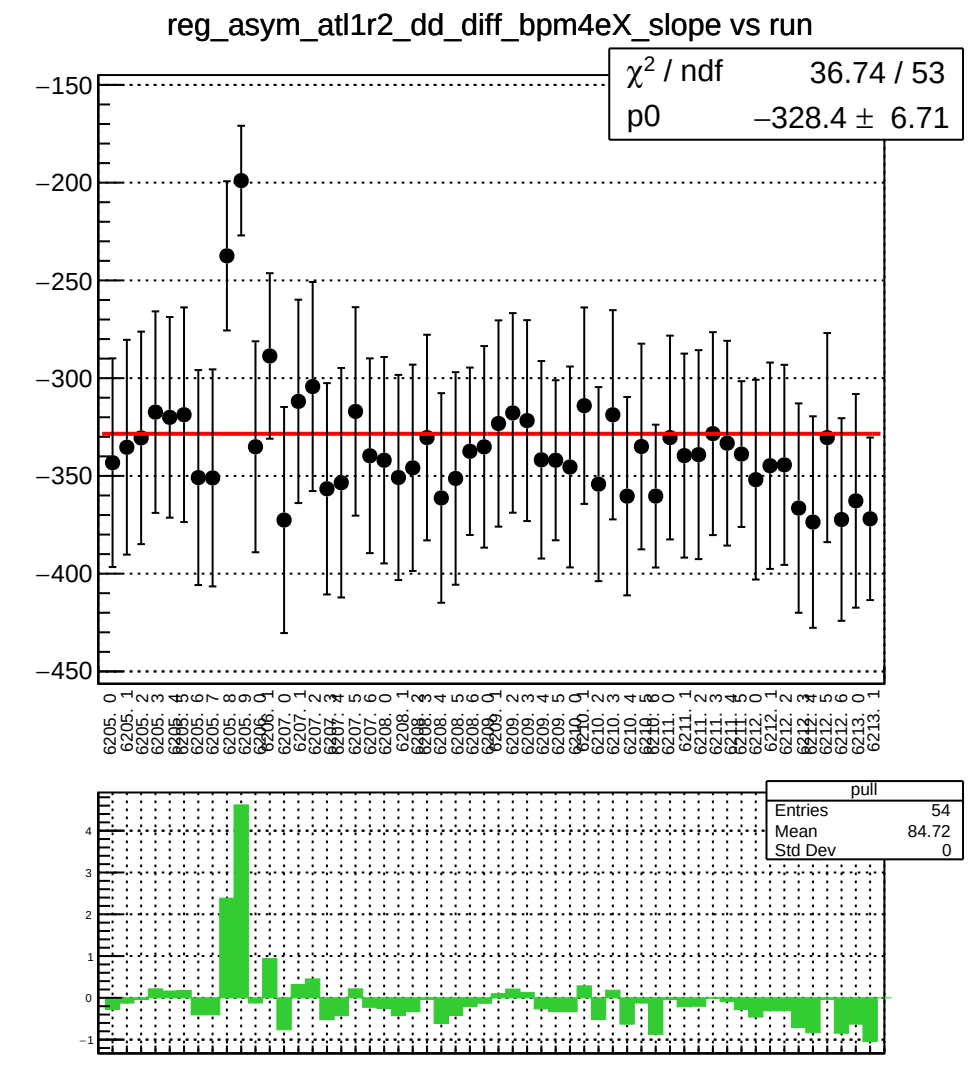

reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ² / ndf 16.5 / 53
p0 −129.6 ± 0.6582
pull
Entries 54
Mean 8.622
Std Dev 0
pull1D
Entries 54
Mean −0.02712
Std Dev 0.5522

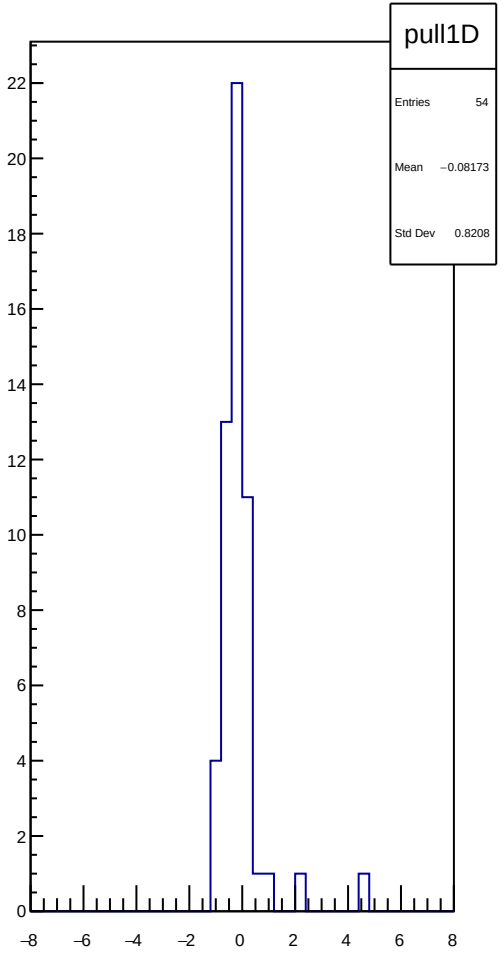

reg_asym_atl1r2_dd_diff_bpm1X_slope vs run
χ² / ndf 31.63 / 53
p0 243.8 ± 6.139
pull
Entries 54
Mean 66.49
Std Dev 0

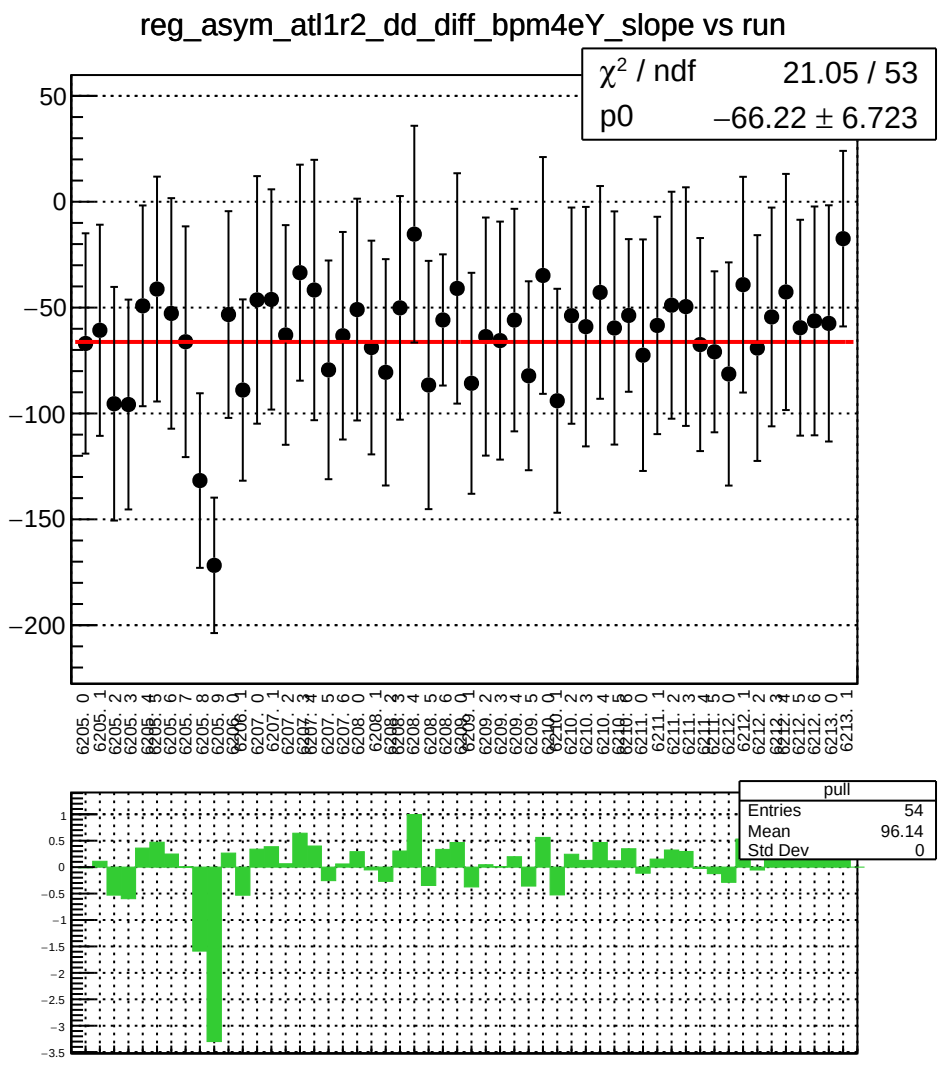

pull1D
Entries 54
Mean 0.0713
Std Dev 0.762

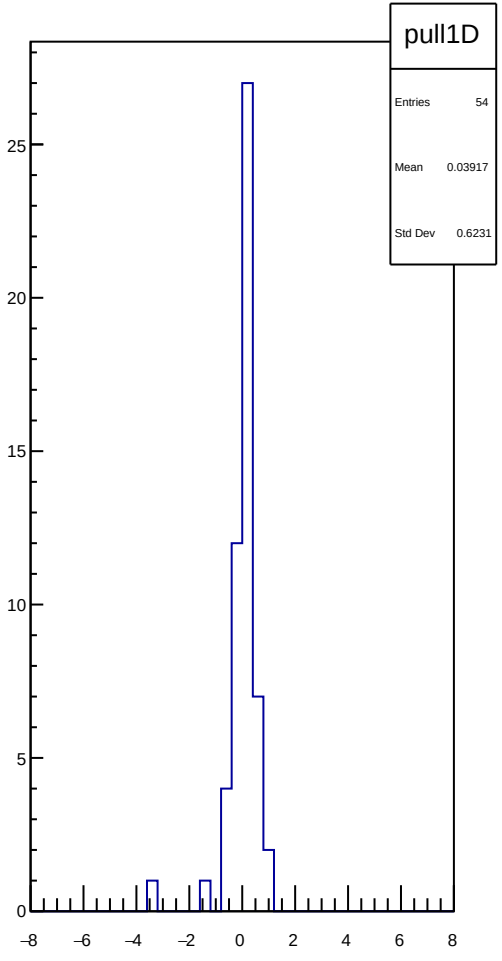

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 18.37 / 53
p0 −5.352 ± 6.031
pull
Entries 54
Mean 102.6
Std Dev 0

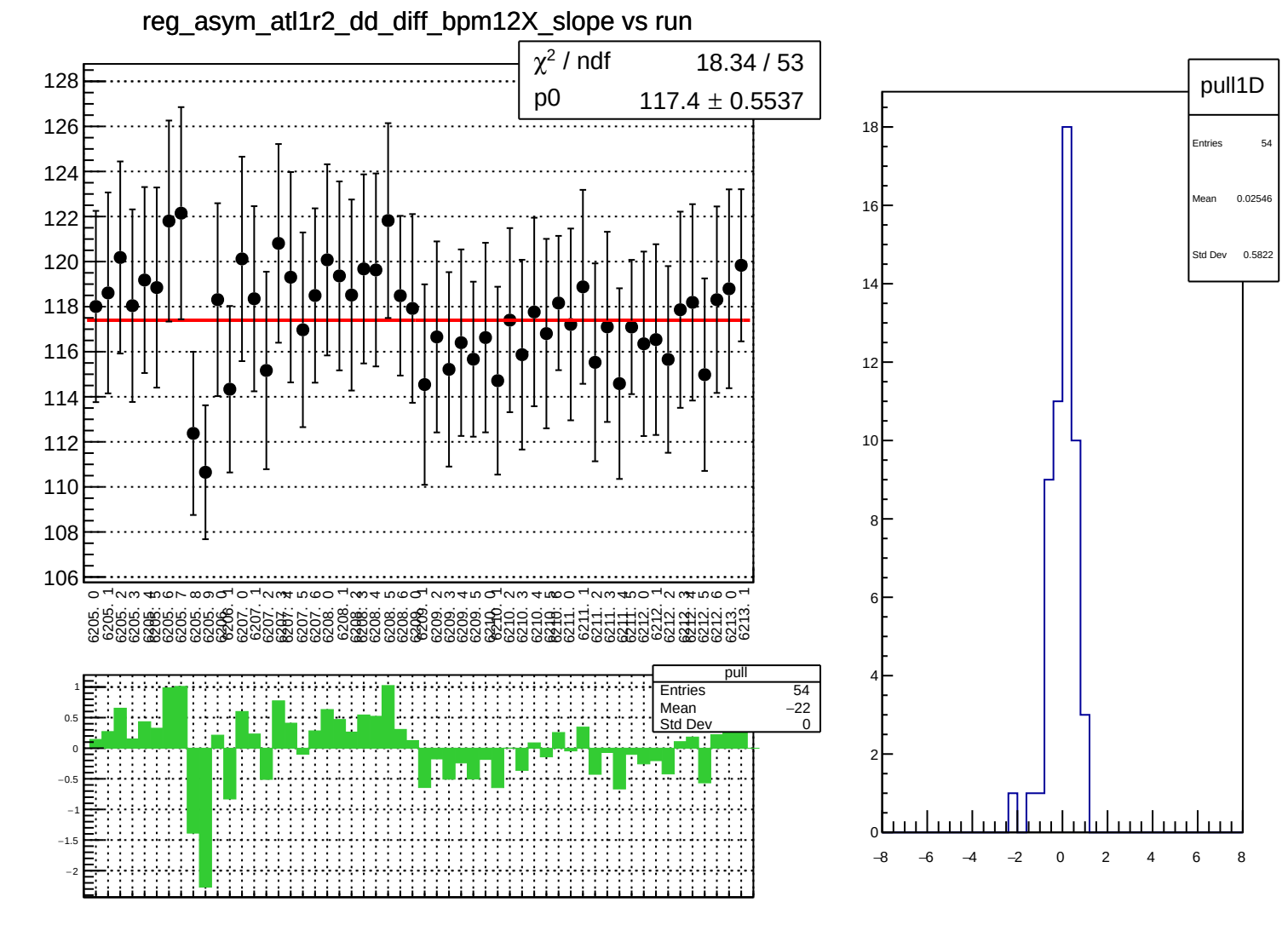

pull1D
Entries 54
Mean −0.03197
Std Dev 0.5823

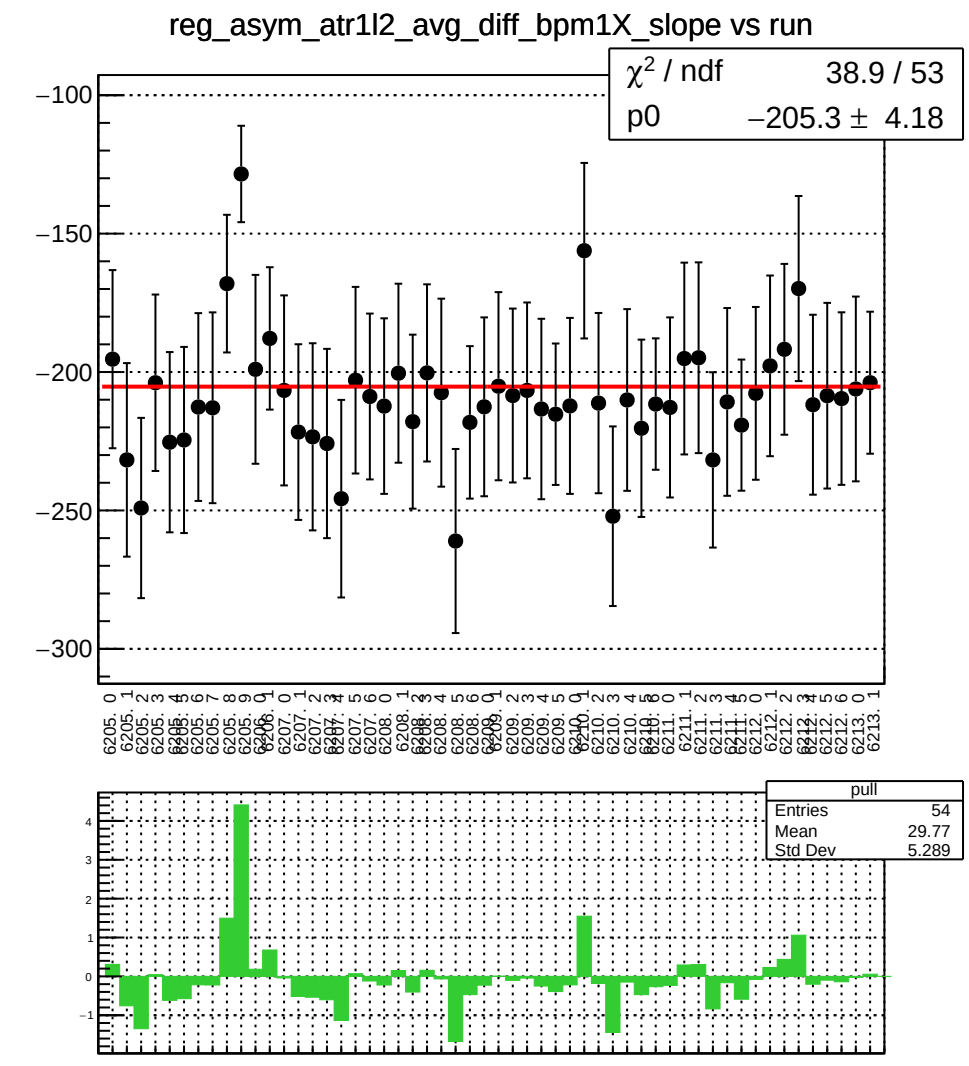

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ² / ndf 36.74 / 53
p0 −328.4 ± 6.71
pull
Entries 54
Mean 84.72
Std Dev 0

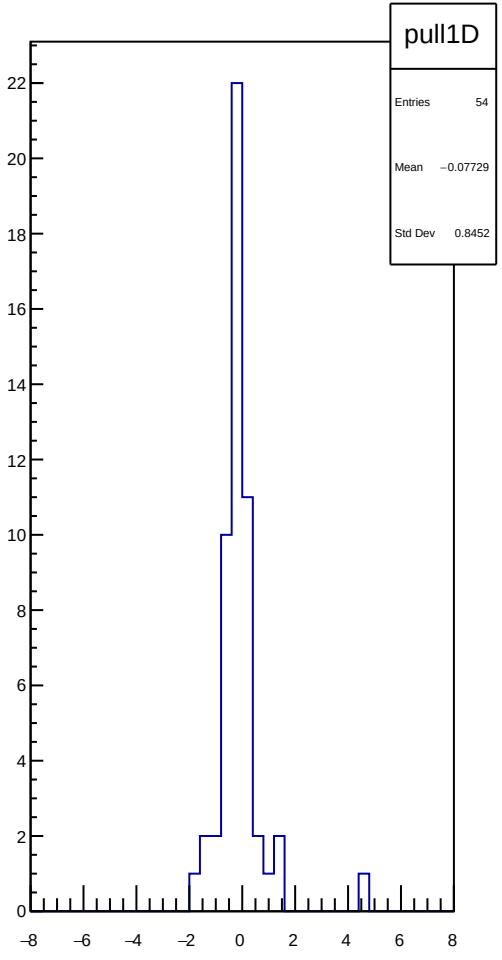

pull1D
Entries 54
Mean −0.08173
Std Dev 0.8208

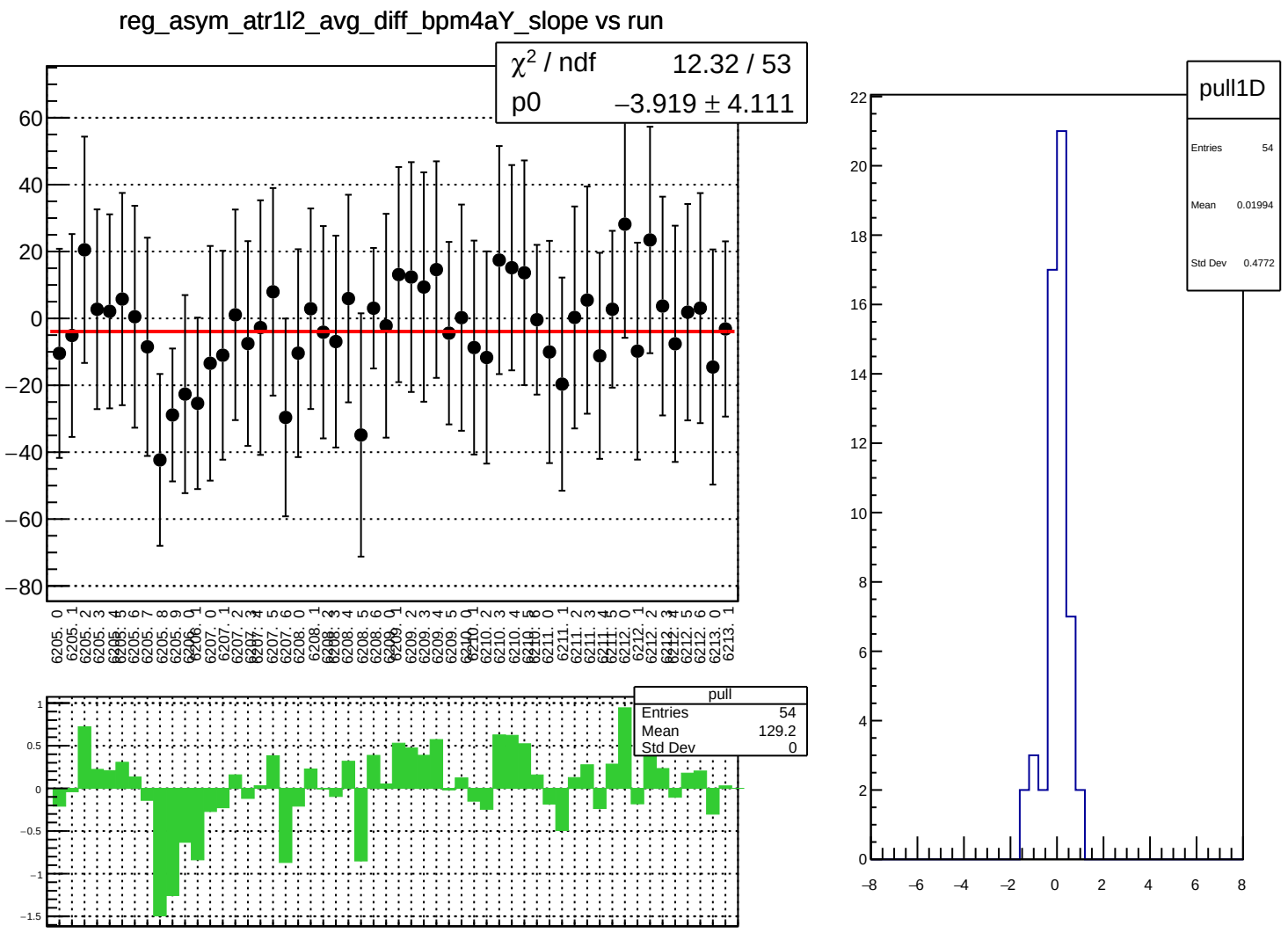

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 21.05 / 53
p0 −66.22 ± 6.723
pull
Entries 54
Mean 96.14
Std Dev 0

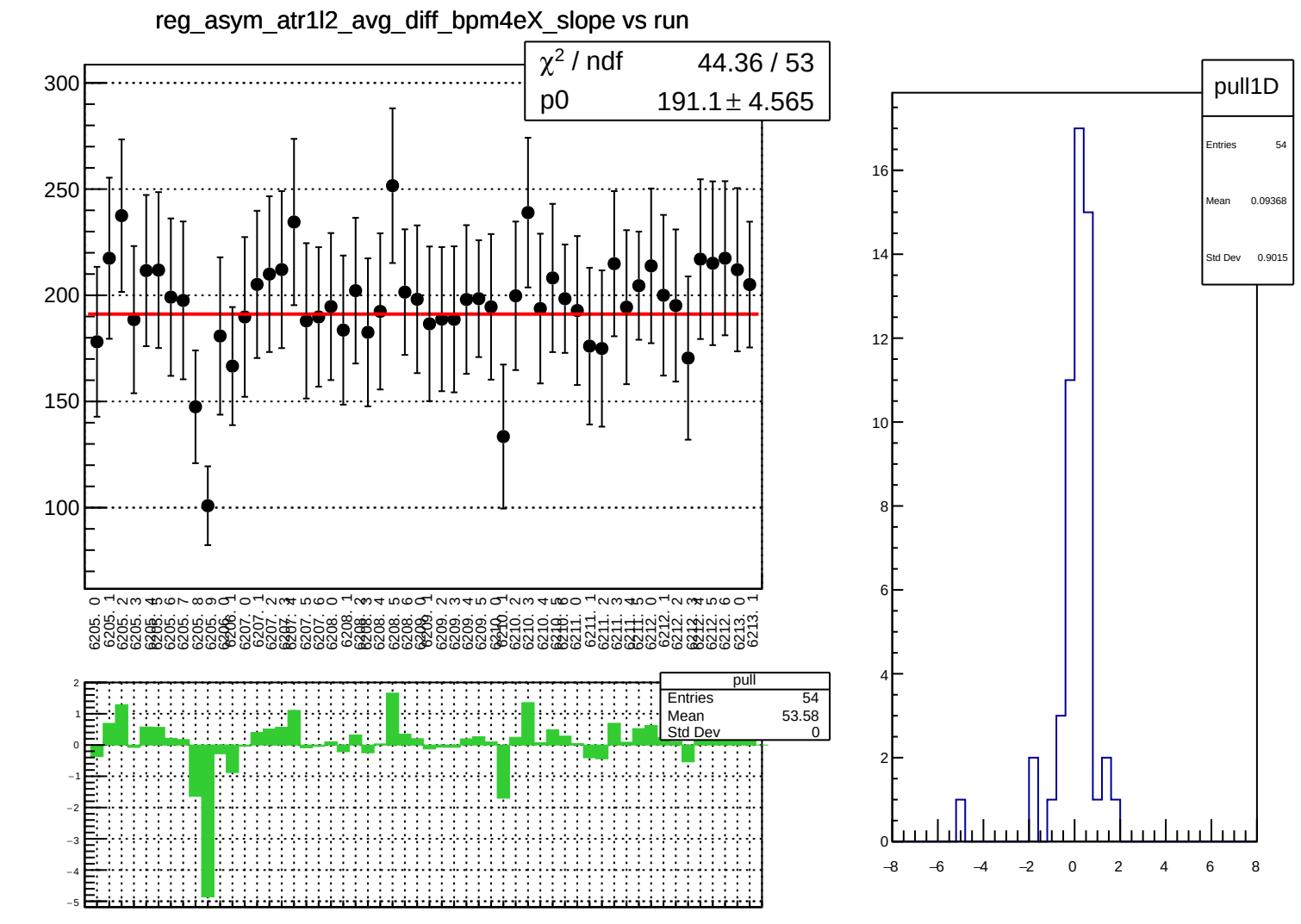

pull1D
Entries 54
Mean 0.03917
Std Dev 0.6231

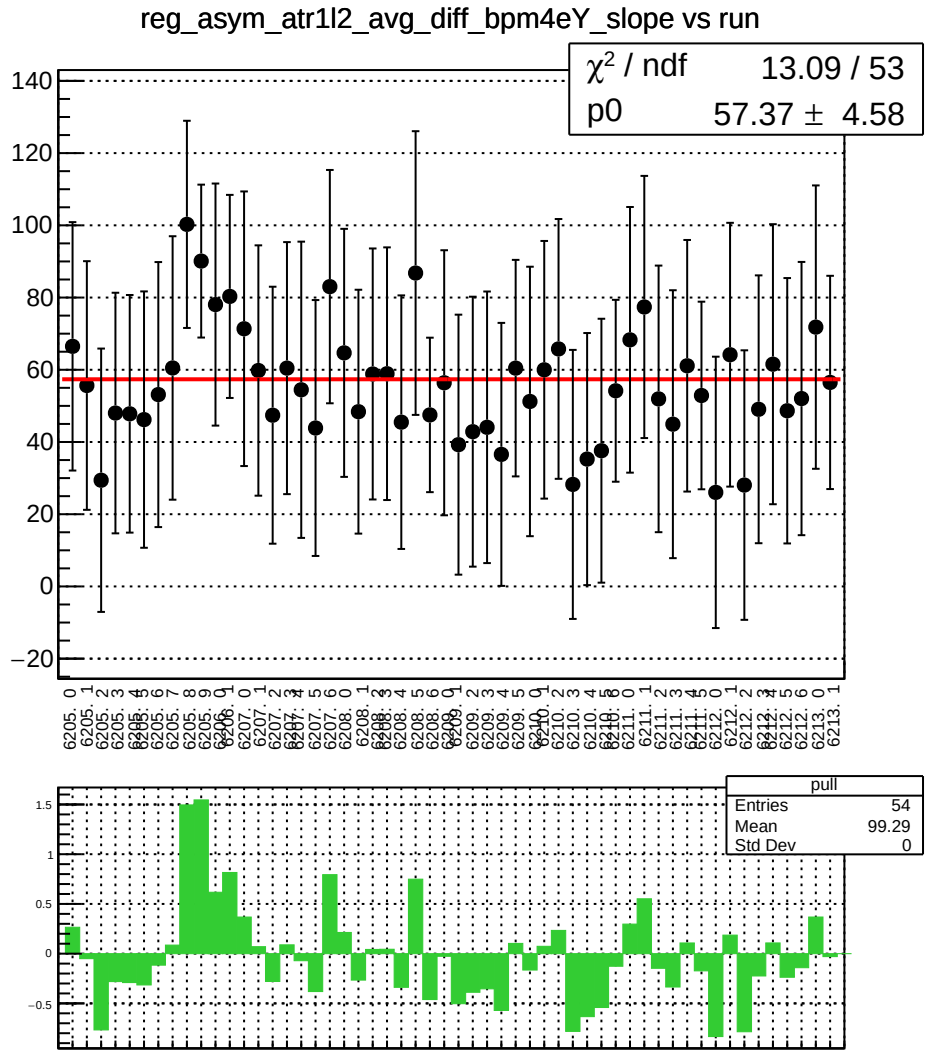

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ² / ndf 18.34 / 53
p0 117.4 ± 0.5537
pull
Entries 54
Mean −22
Std Dev 0
pull1D
Entries 54
Mean 0.02546
Std Dev 0.5822

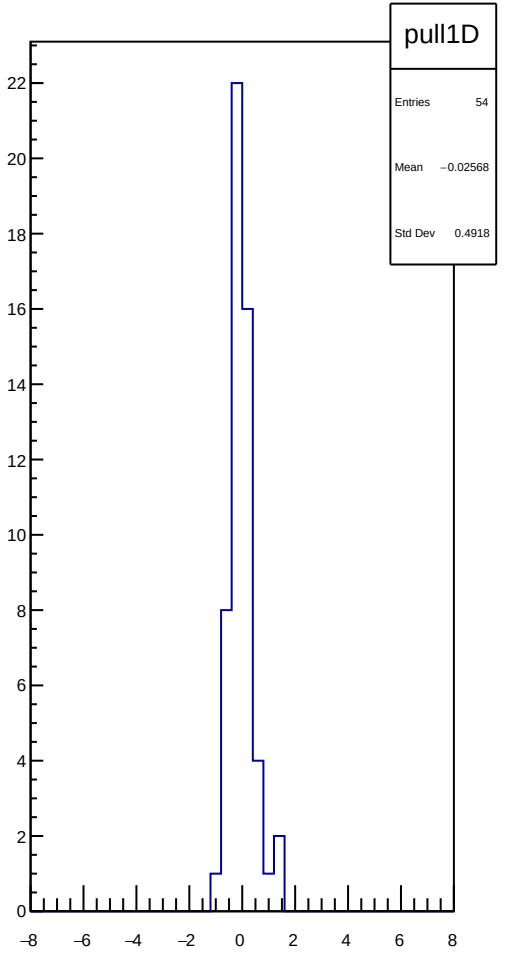

reg_asym_atr1l2_avg_diff_bpm1X_slope vs run
χ² / ndf 38.9 / 53
p0 −205.3 ± 4.18
pull
Entries 54
Mean 29.77
Std Dev 5.289

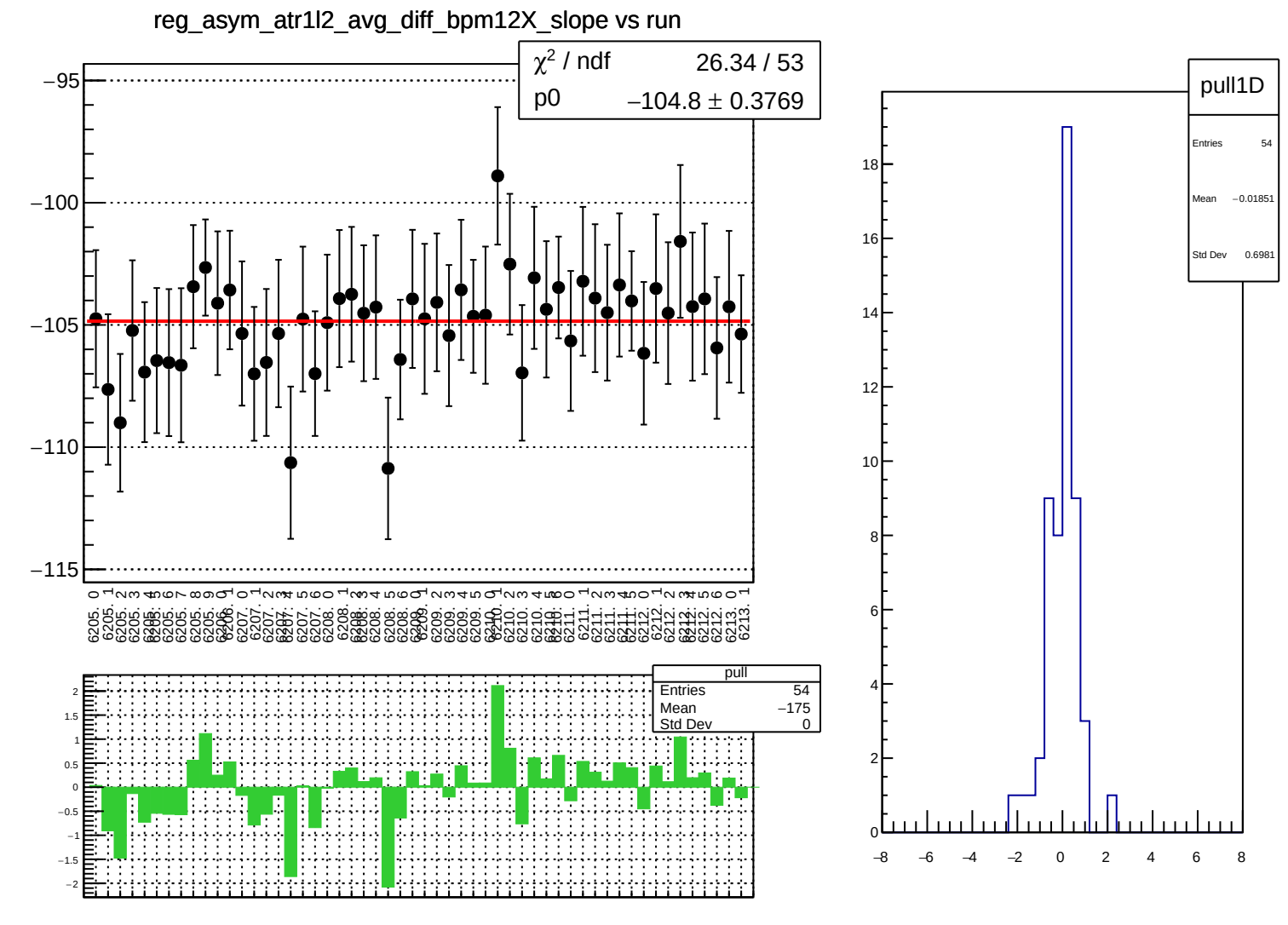

pull1D
Entries 54
Mean −0.07729
Std Dev 0.8452

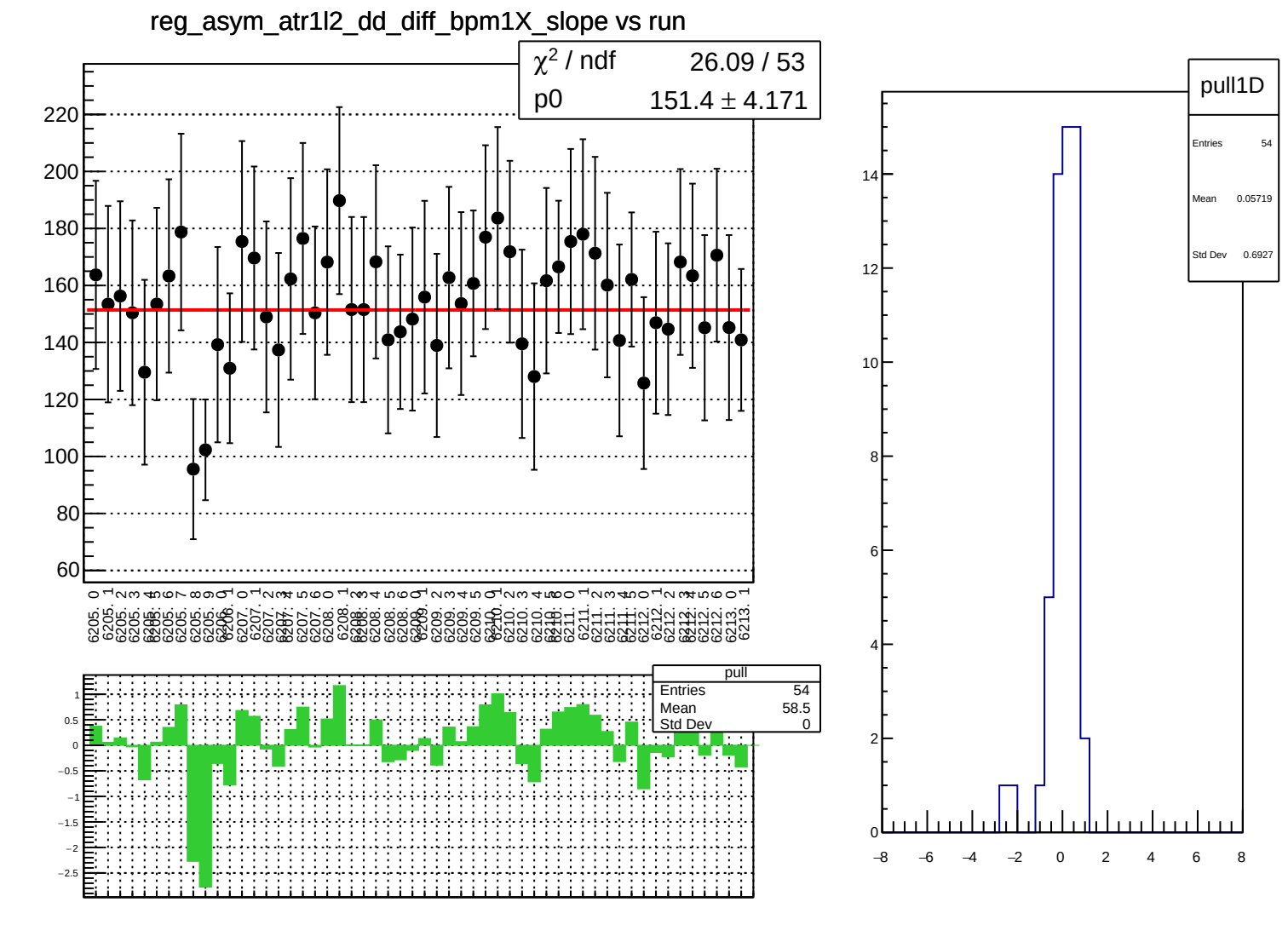

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ² / ndf 12.32 / 53
p0 −3.919 ± 4.111
pull
Entries 54
Mean 129.2
Std Dev 0
pull1D
Entries 54
Mean 0.01994
Std Dev 0.4772

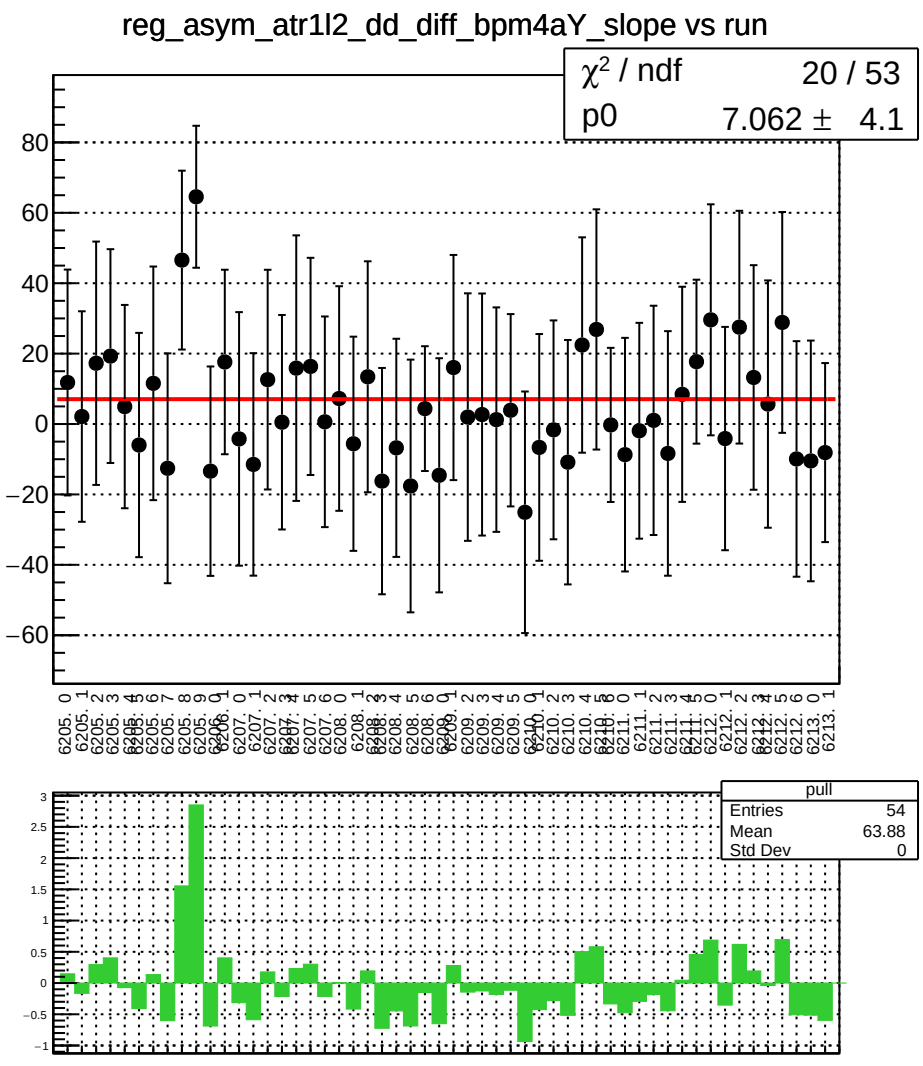

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ² / ndf 44.36 / 53
p0 191.1 ± 4.565
300
250
200
150
100
pull
Entries 54
Mean 53.58
Std Dev 0
pull1D
Entries 54
Mean 0.09368
Std Dev 0.9015

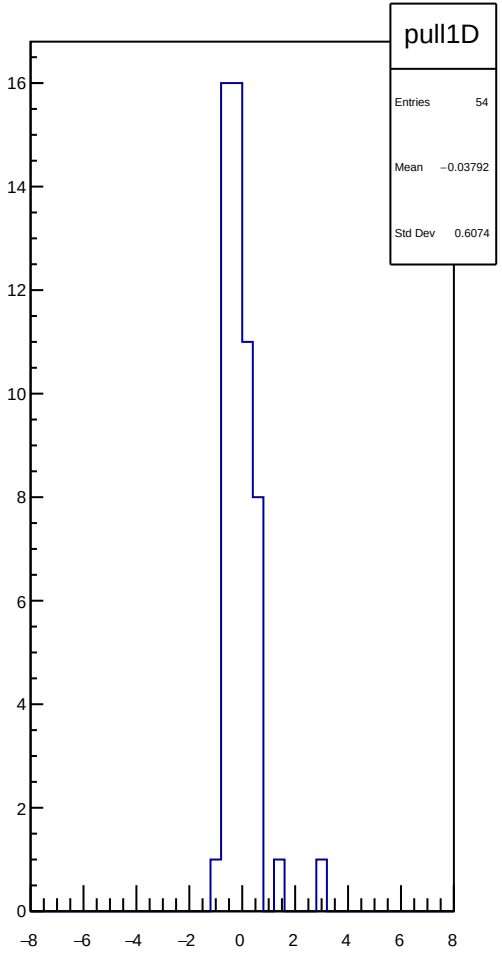

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 13.09 / 53
p0 57.37 ± 4.58
pull
Entries 54
Mean 99.29
Std Dev 0

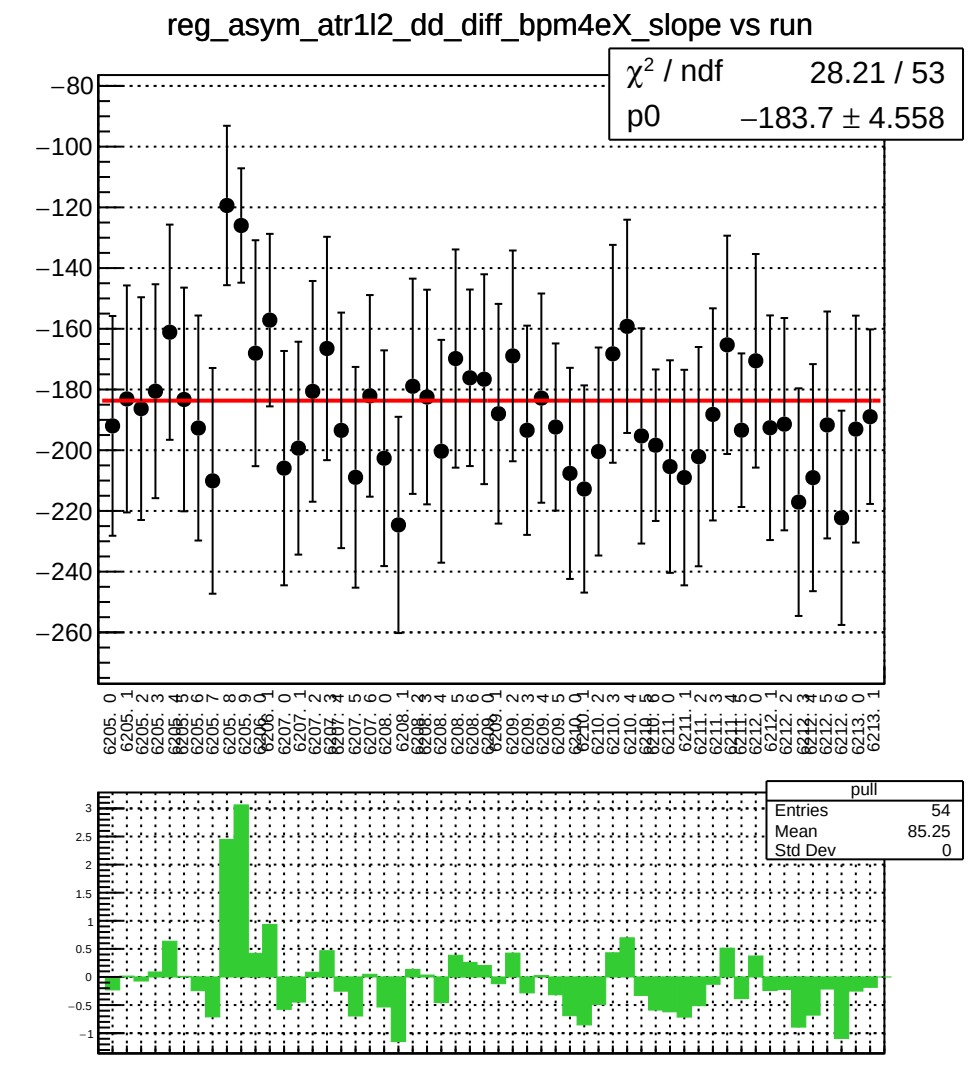

pull1D
Entries 54
Mean −0.02568
Std Dev 0.4918

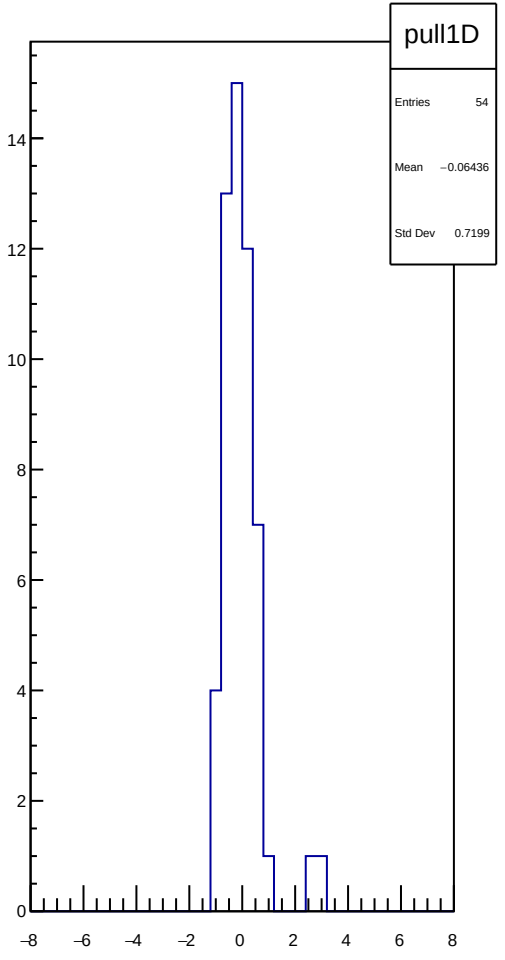

reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ² / ndf 26.34 / 53
p0 −104.8 ± 0.3769
pull
Entries 54
Mean −175
Std Dev 0
pull1D
Entries 54
Mean −0.01851
Std Dev 0.6981

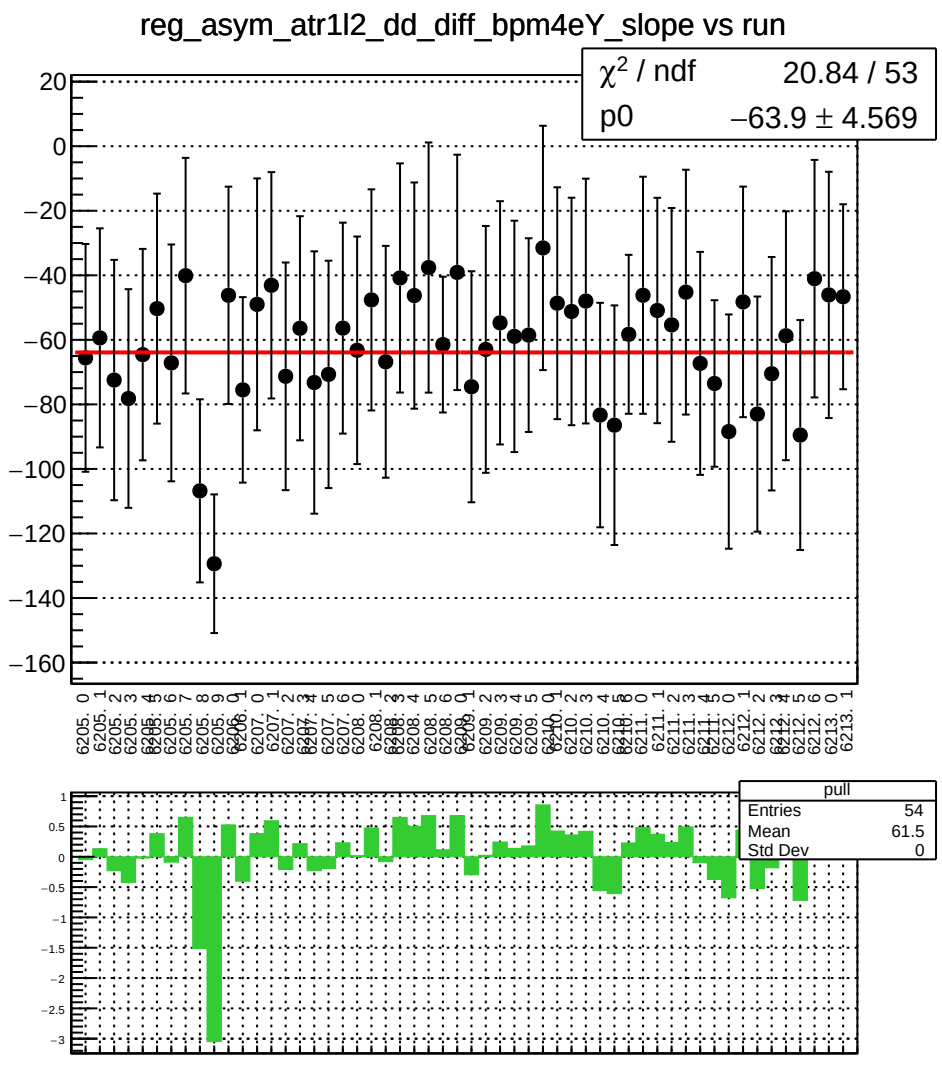

reg_asym_atr1l2_dd_diff_bpm1X_slope vs run
χ² / ndf 26.09 / 53
p0 151.4 ± 4.171
pull
Entries 54
Mean 58.5
Std Dev 0
pull1D
Entries 54
Mean 0.05719
Std Dev 0.6927

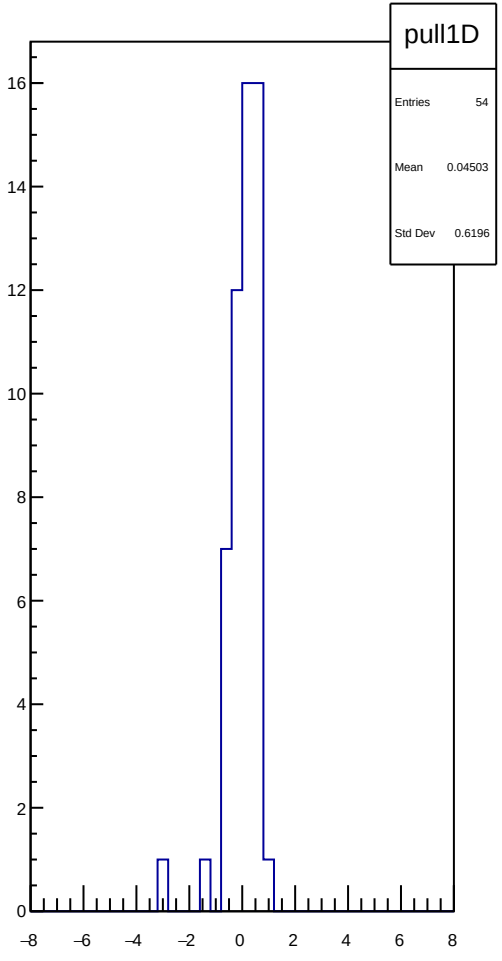

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 20 / 53
p0 7.062 ± 4.1
pull
Entries 54
Mean 63.88
Std Dev 0

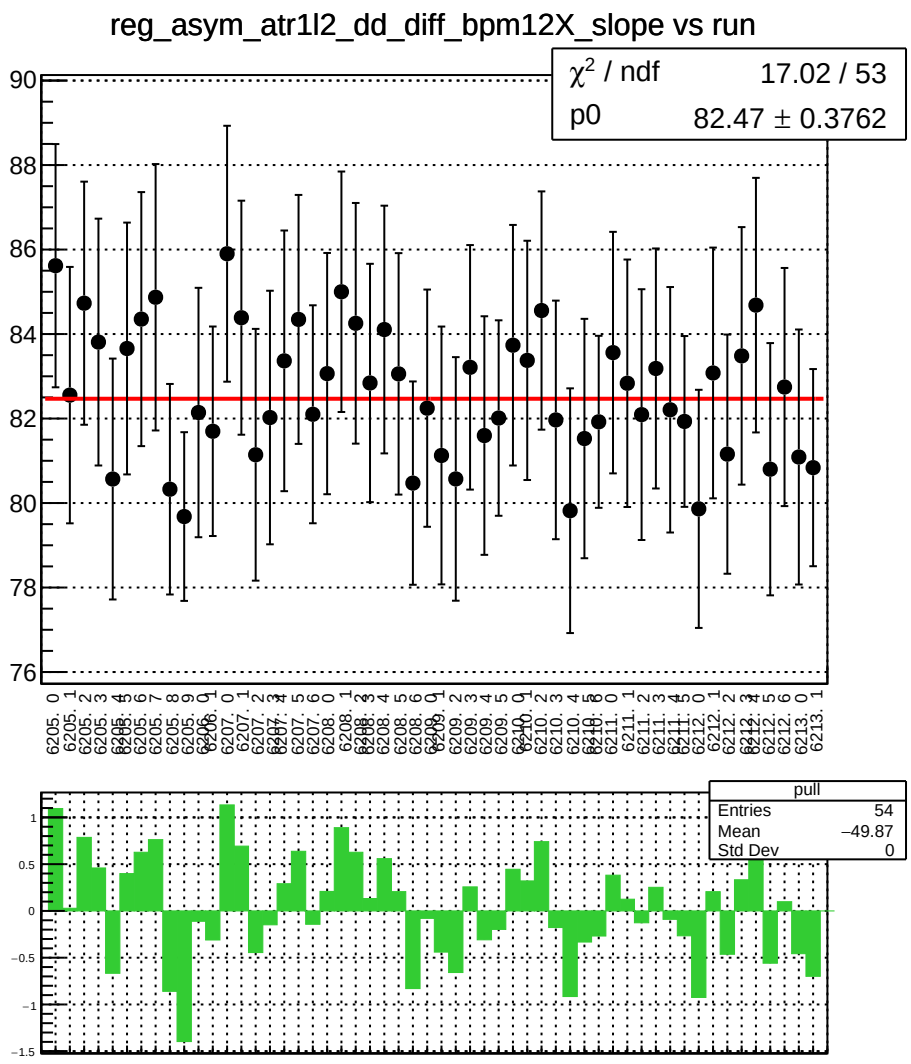

pull1D
Entries 54
Mean −0.03792
Std Dev 0.6074

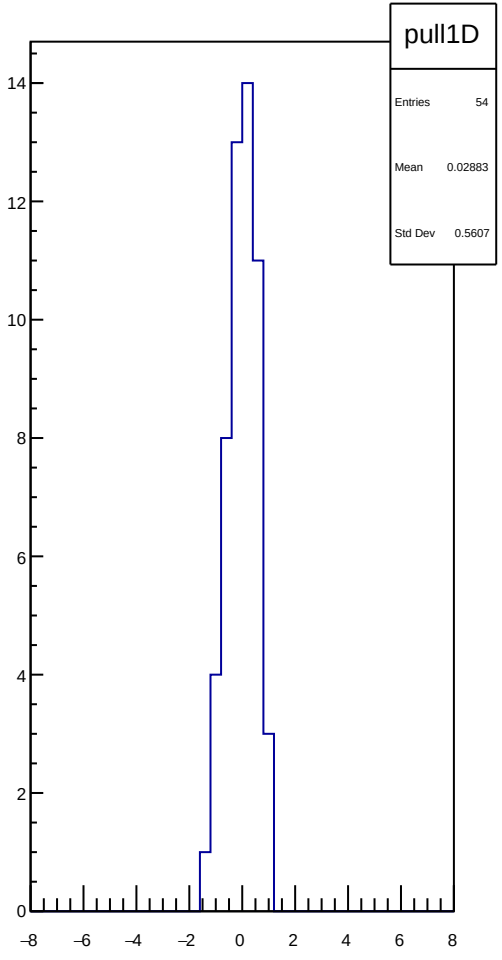

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ² / ndf 28.21 / 53
p0 −183.7 ± 4.558
pull
Entries 54
Mean 85.25
Std Dev 0

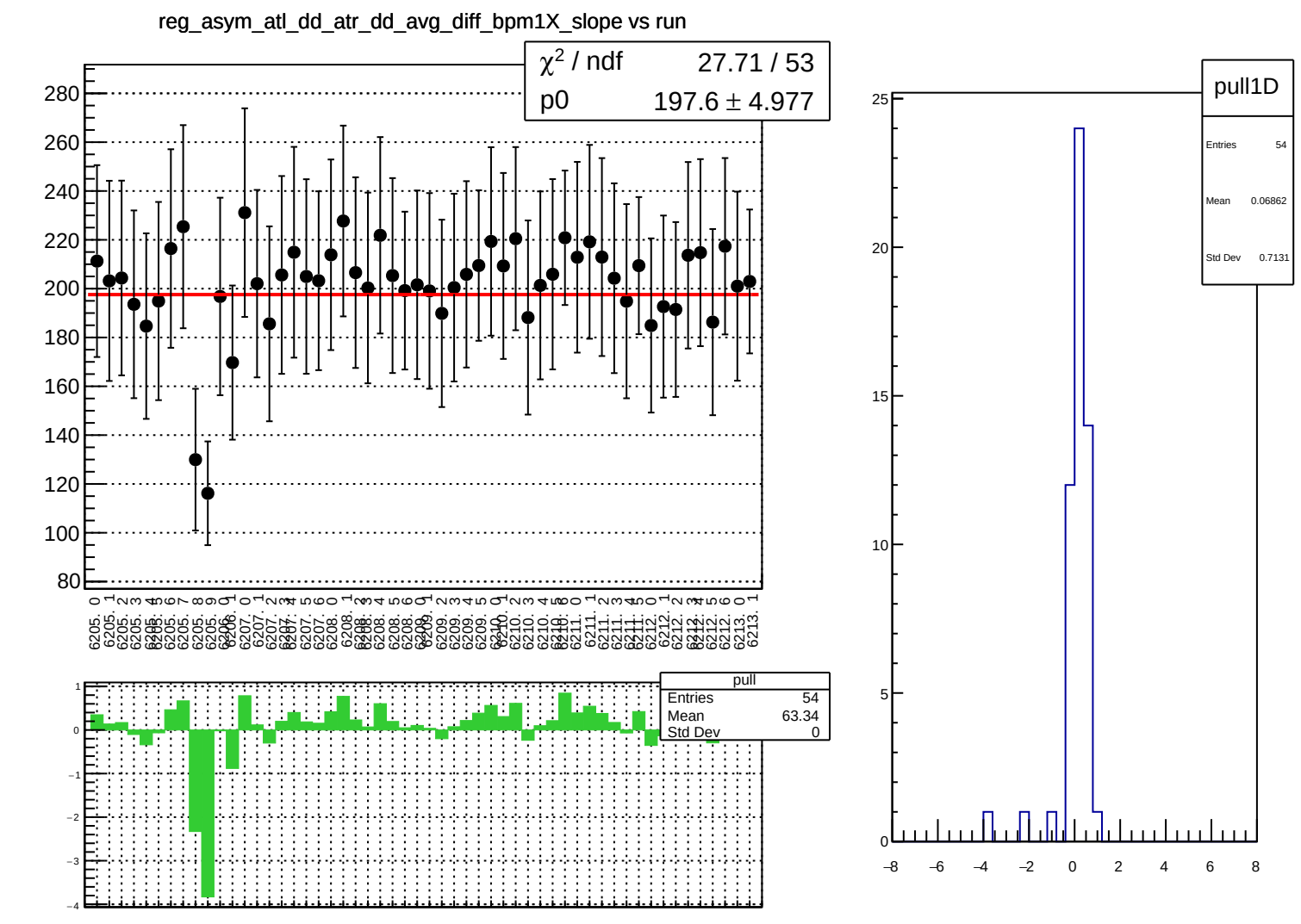

pull1D
Entries 54
Mean −0.06436
Std Dev 0.7199

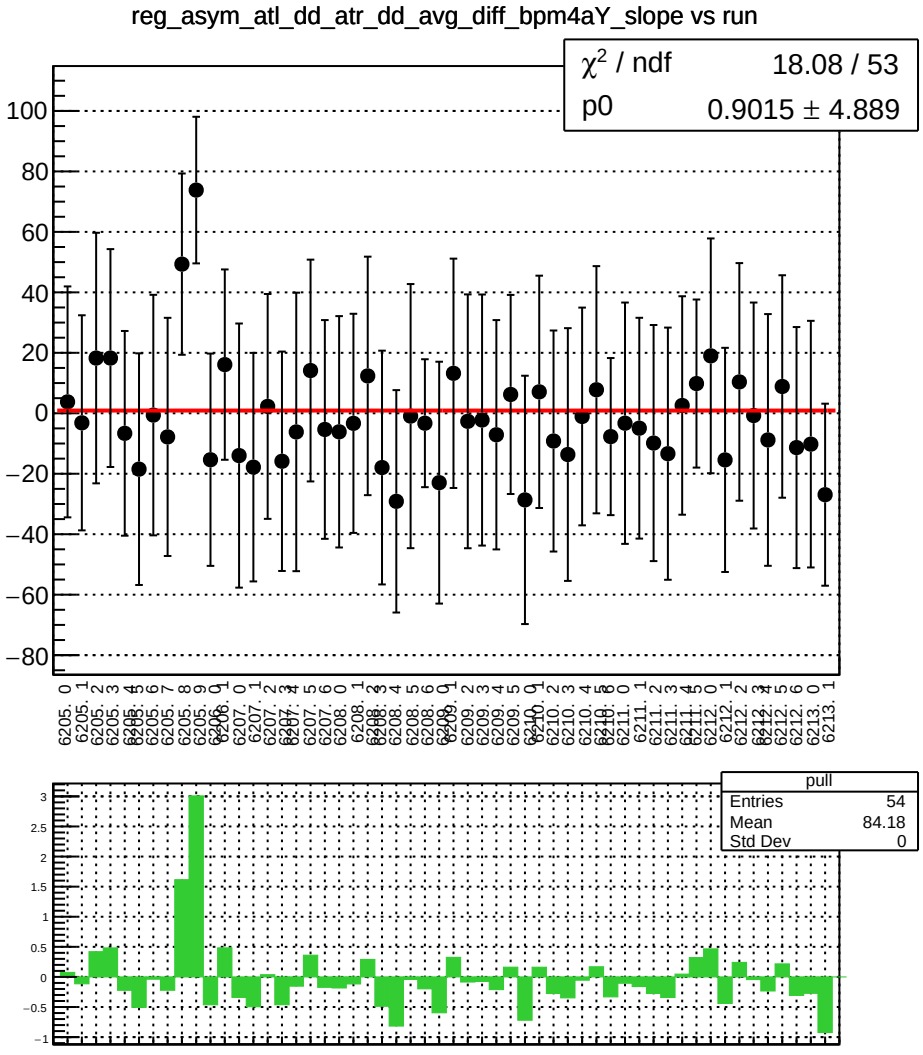

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 20.84 / 53
p0 −63.9 ± 4.569
pull
Entries 54
Mean 61.5
Std Dev 0

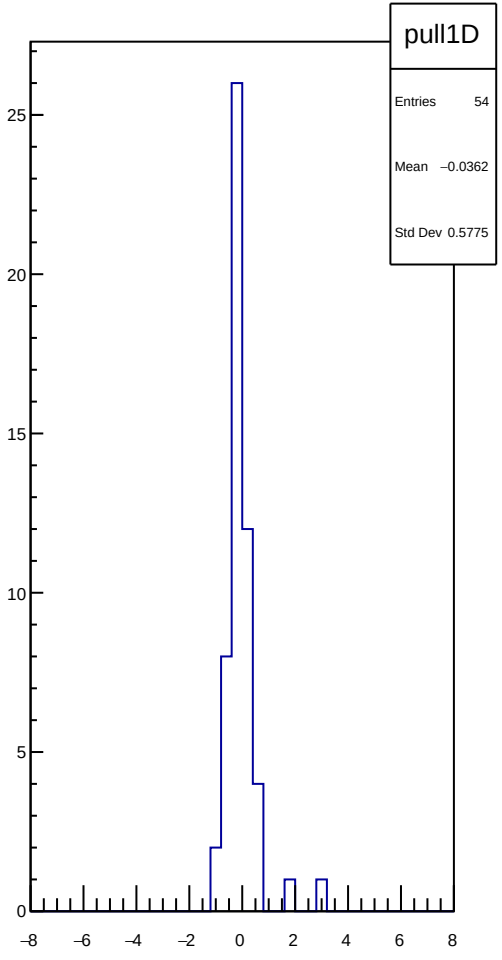

pull1D
Entries 54
Mean 0.04503
Std Dev 0.6196

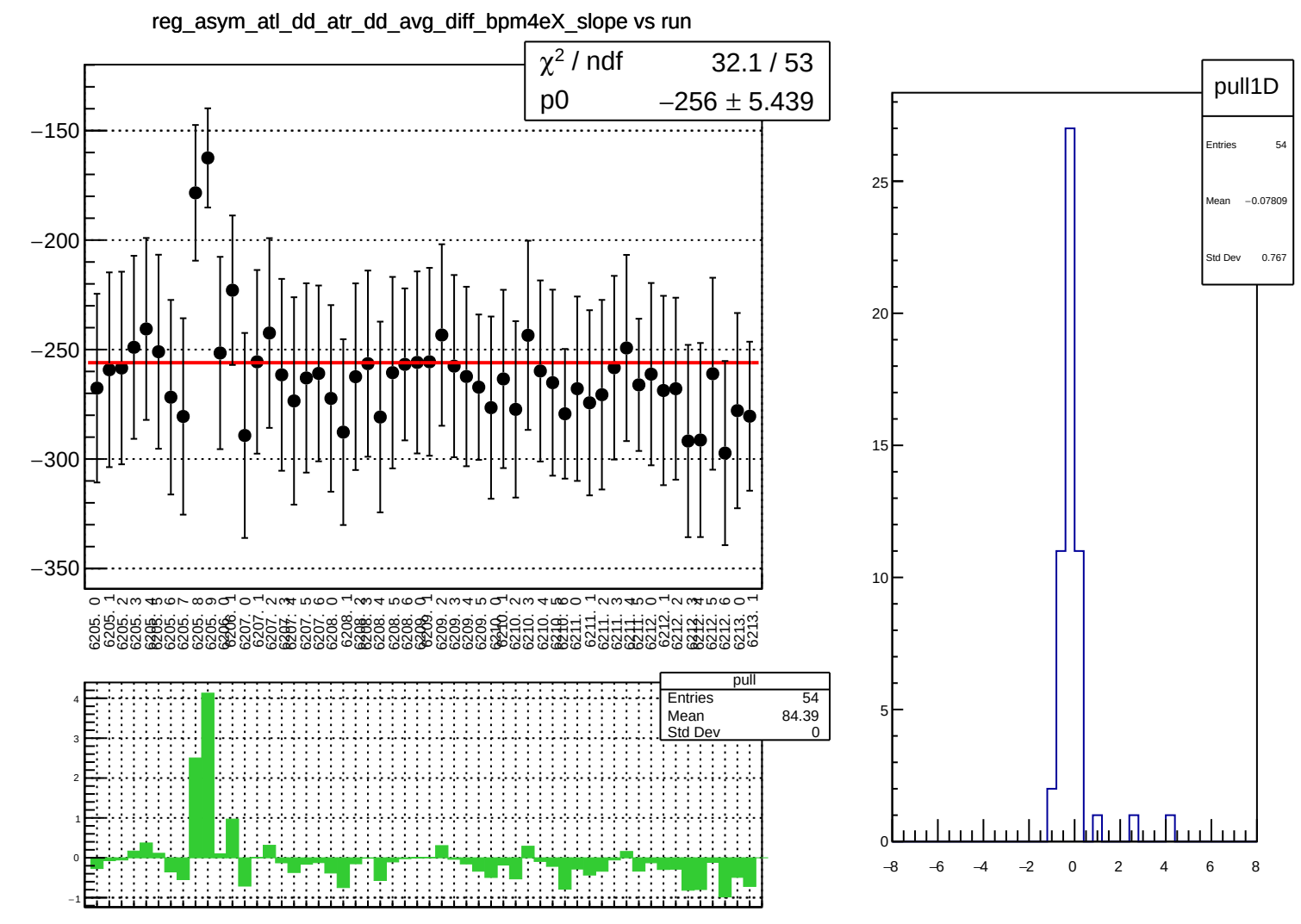

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ² / ndf 17.02 / 53
p0 82.47 ± 0.3762
pull
Entries 54
Mean −49.87
Std Dev 0

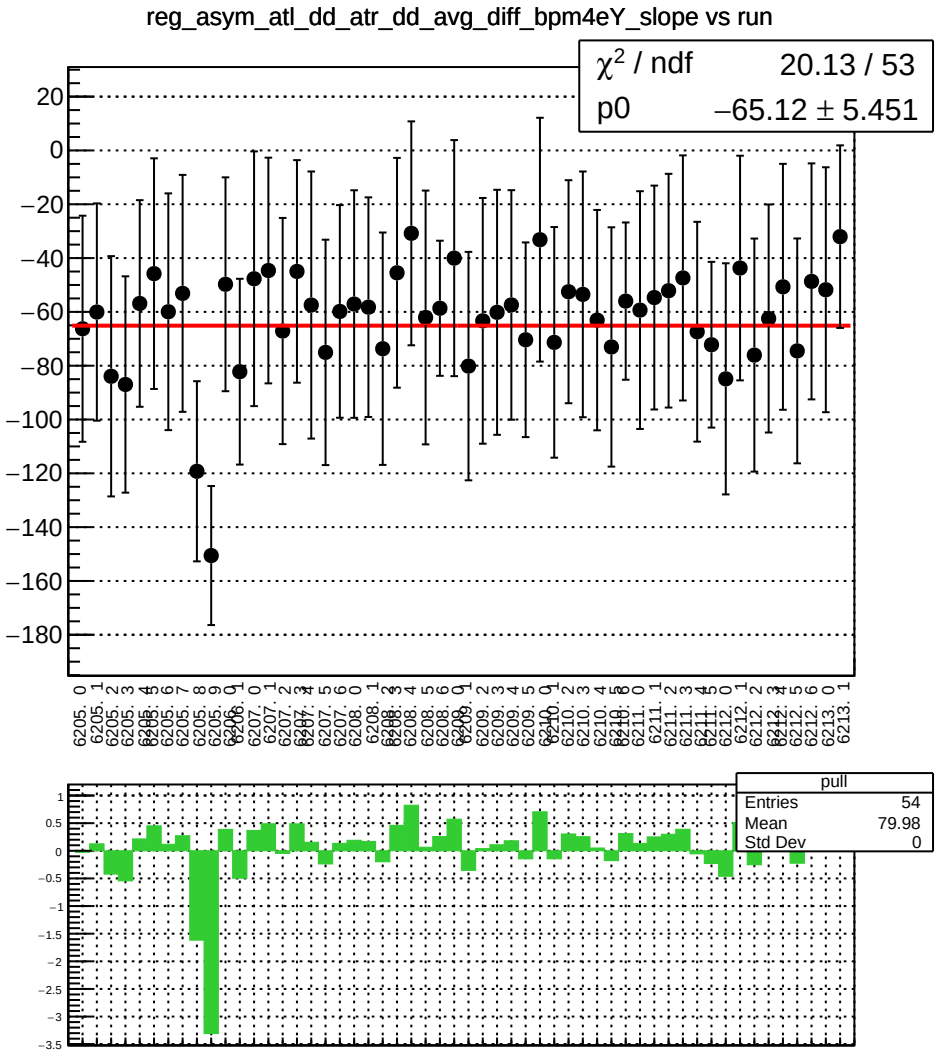

pull1D
Entries 54
Mean 0.02883
Std Dev 0.5607

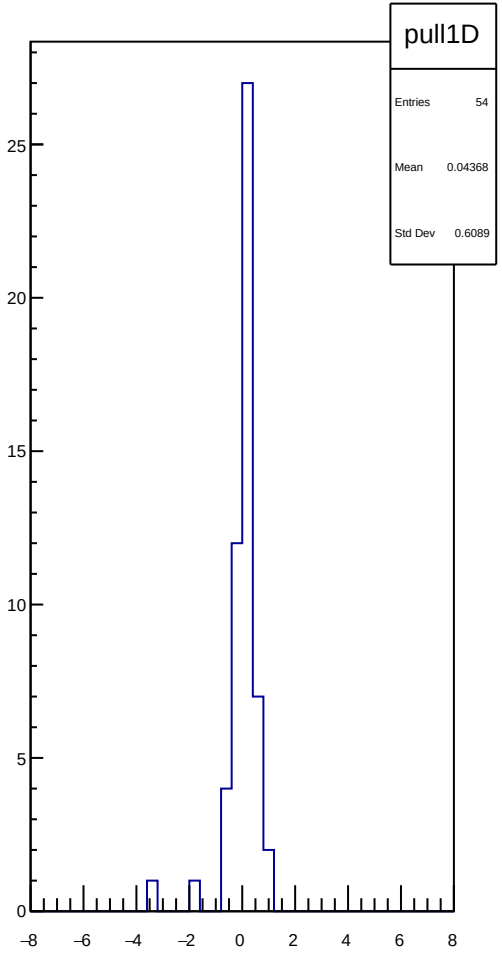

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 27.71 / 53
p0 197.6 ± 4.977
pull
Entries 54
Mean 63.34
Std Dev 0
pull1D
Entries 54
Mean 0.06862
Std Dev 0.7131

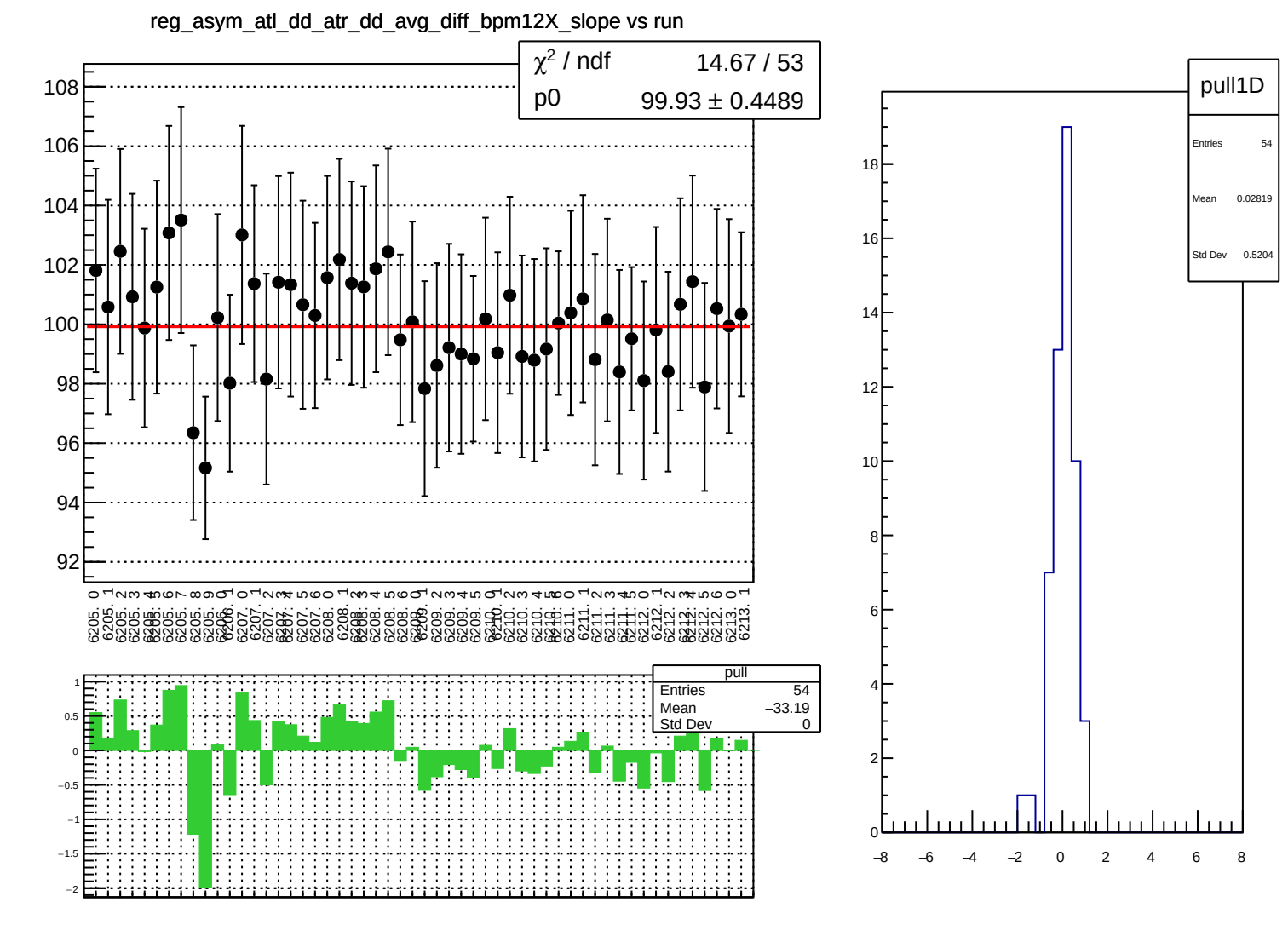

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 18.08 / 53
p0 0.9015 ± 4.889
pull
Entries 54
Mean 84.18
Std Dev 0

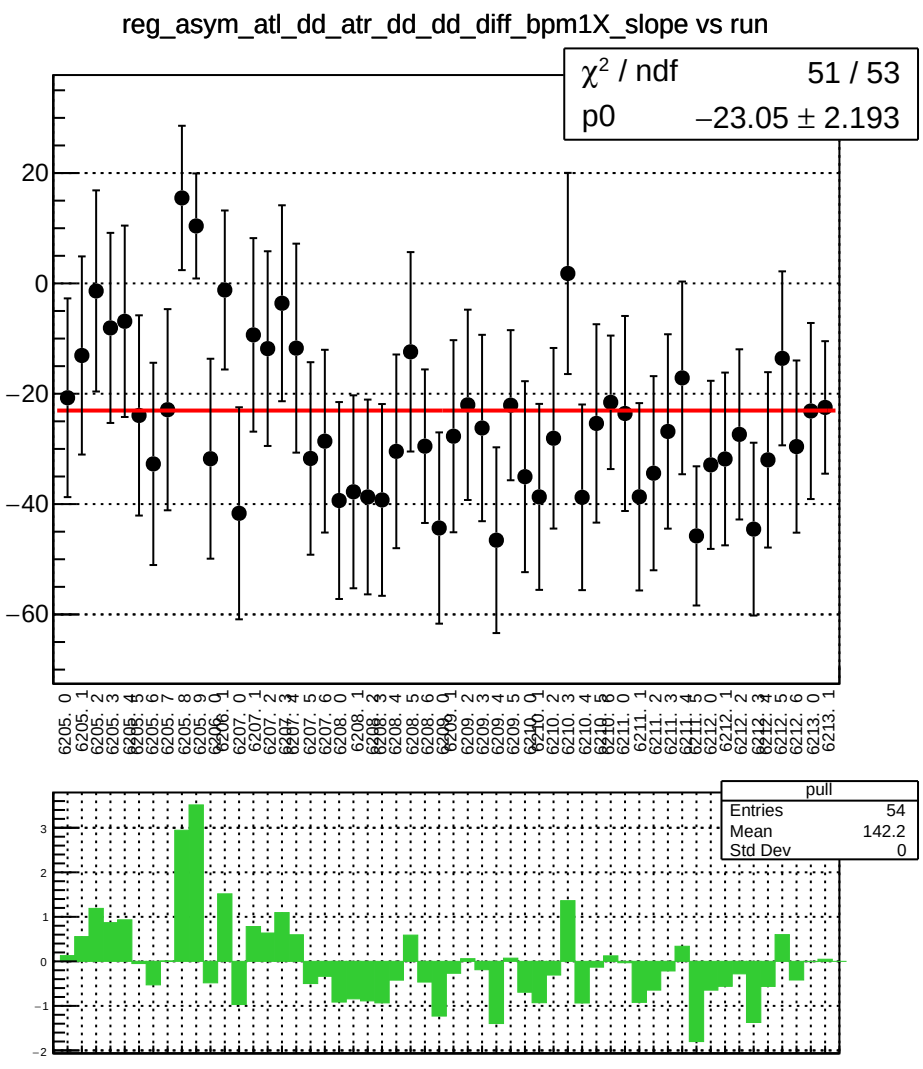

pull1D
Entries 54
Mean −0.0362
Std Dev 0.5775

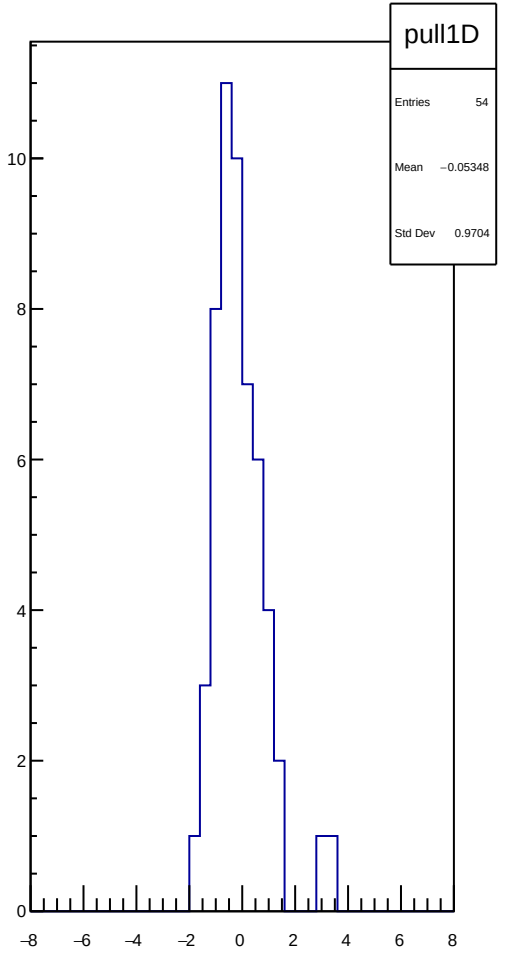

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 32.1 / 53
p0 −256 ± 5.439
−150
−200
−250
−300
−350
pull
Entries 54
Mean 84.39
Std Dev 0
pull1D
Entries 54
Mean −0.07809
Std Dev 0.767

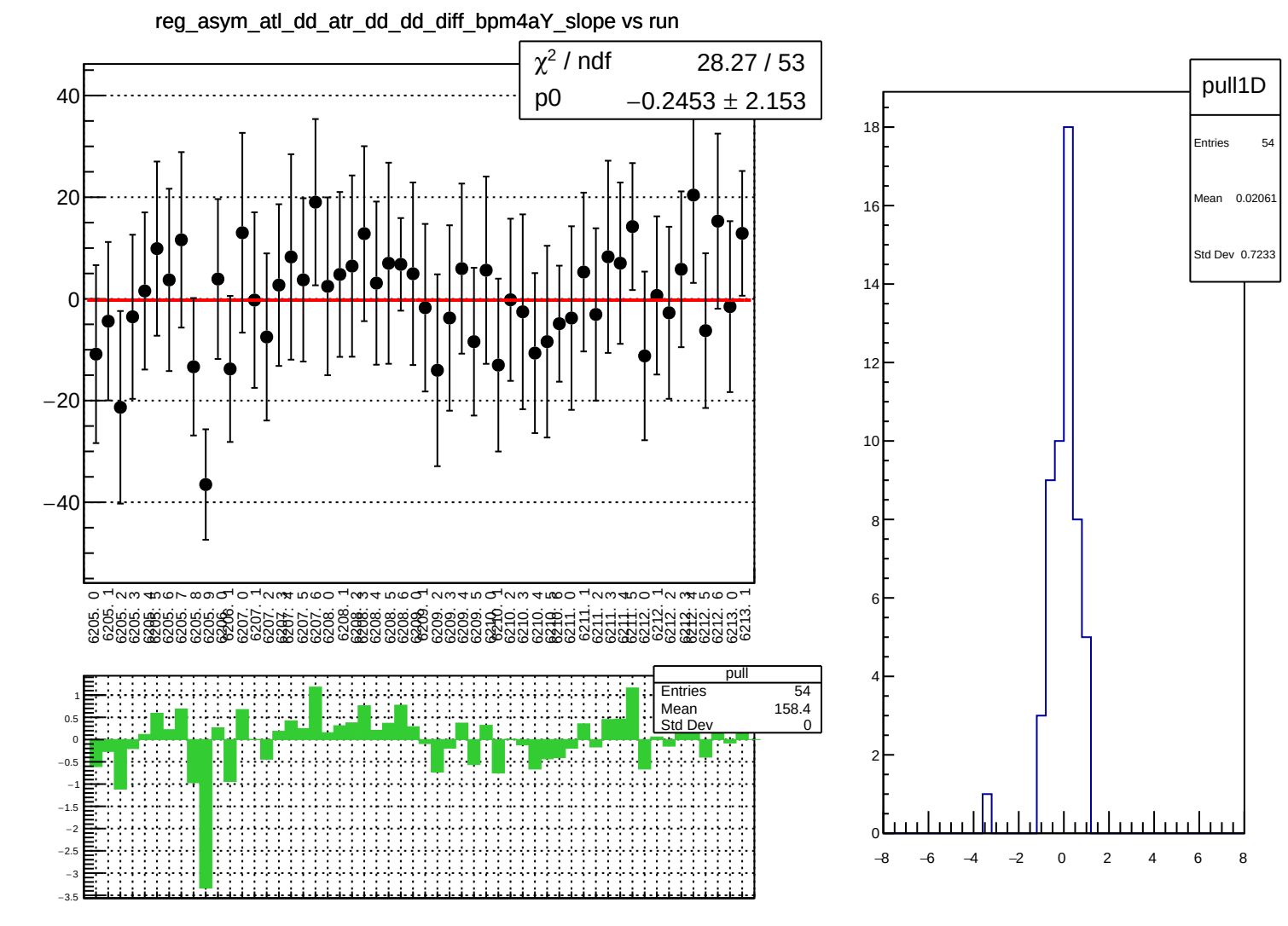

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 20.13 / 53
p0 −65.12 ± 5.451
pull
Entries 54
Mean 79.98
Std Dev 0

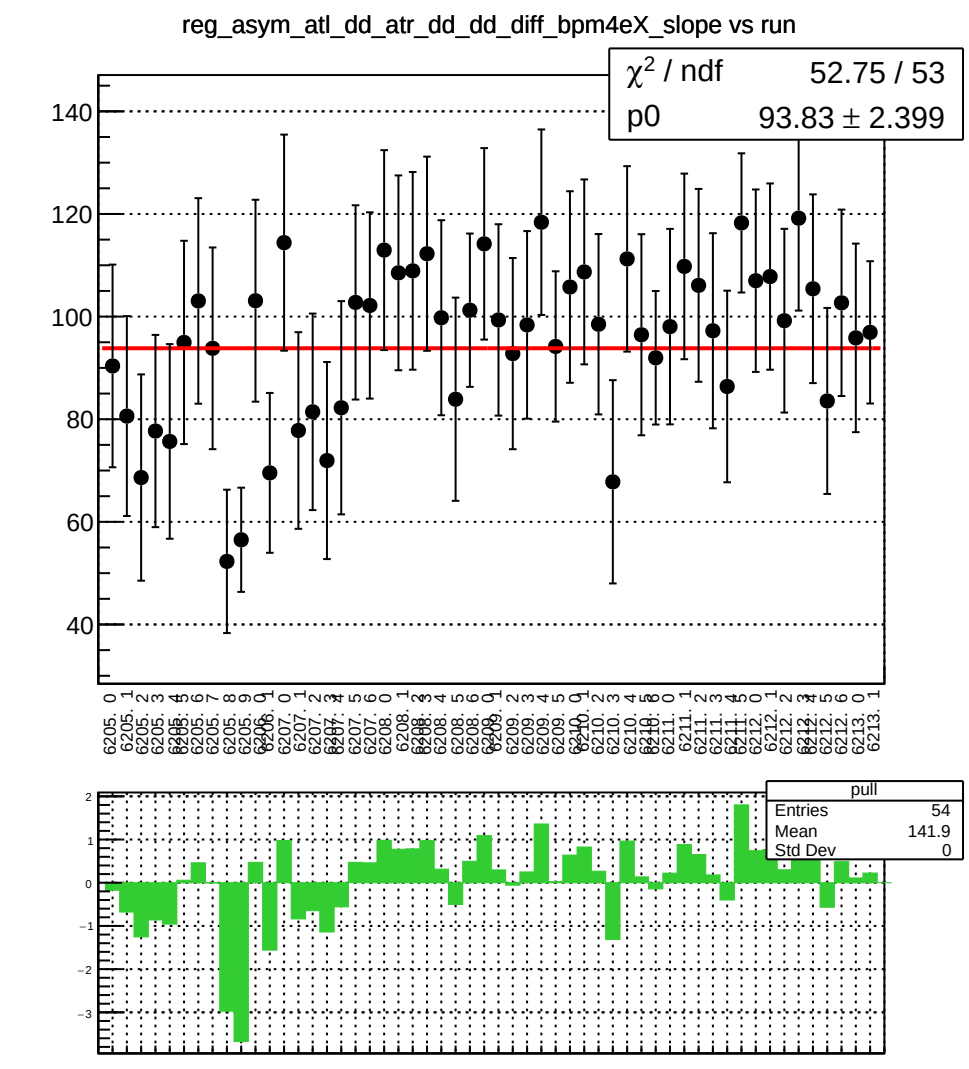

pull1D
Entries 54
Mean 0.04368
Std Dev 0.6089

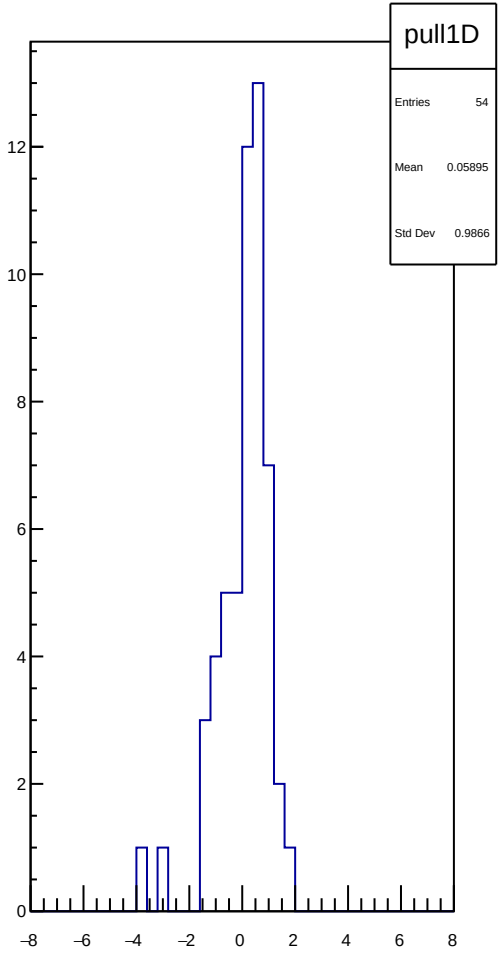

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 14.67 / 53
p0 99.93 ± 0.4489
pull
Entries 54
Mean −33.19
Std Dev 0
pull1D
Entries 54
Mean 0.02819
Std Dev 0.5204

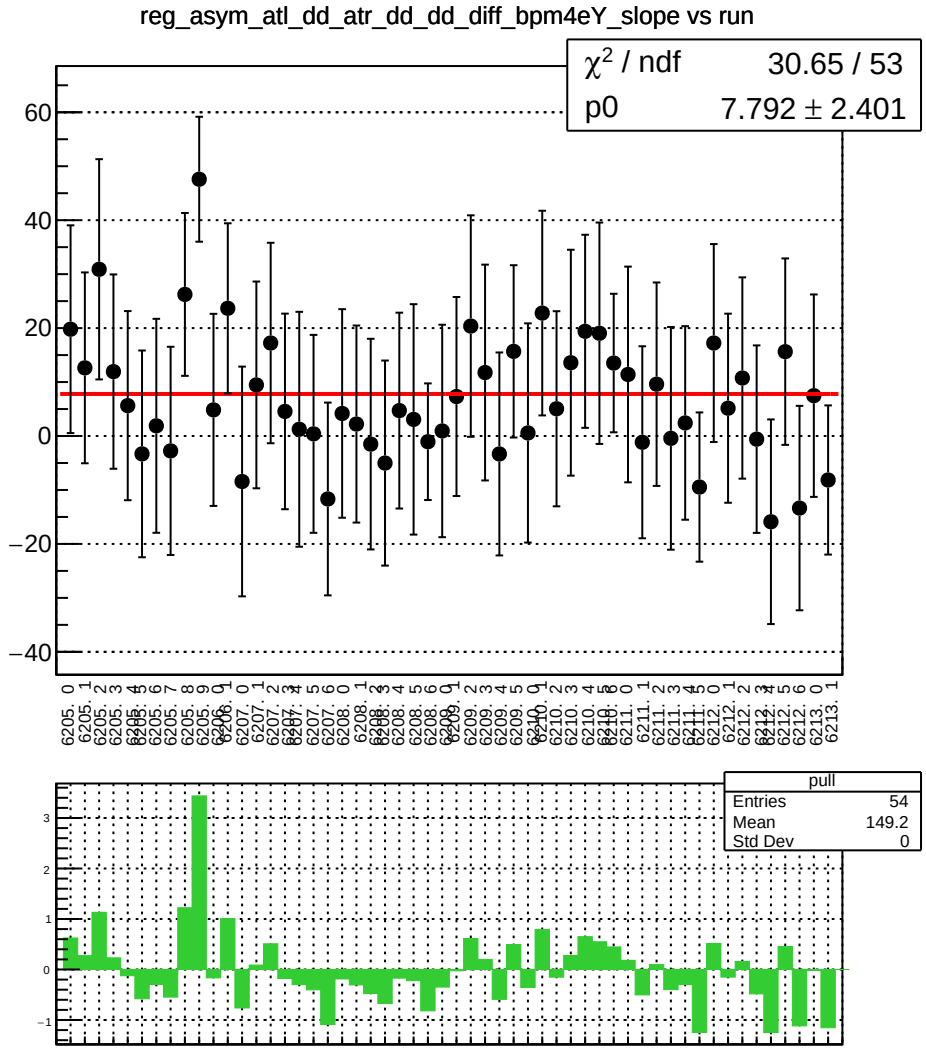

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 51 / 53
p0 −23.05 ± 2.193
pull
Entries 54
Mean 142.2
Std Dev 0

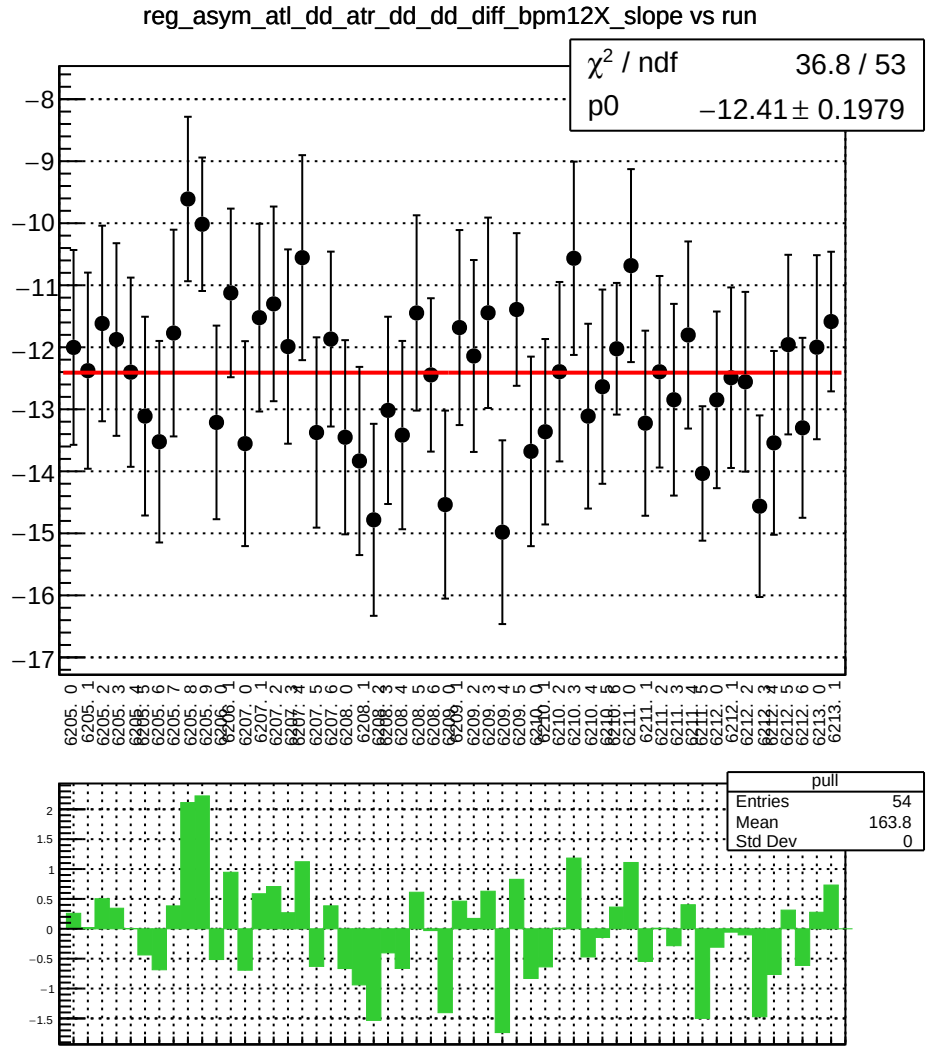

pull1D
Entries 54
Mean −0.05348
Std Dev 0.9704

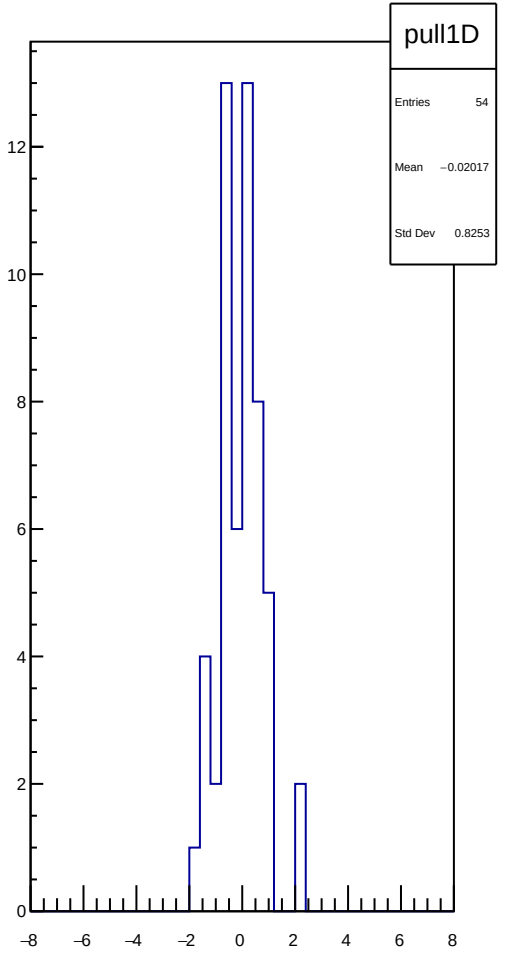

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 28.27 / 53
p0 −0.2453 ± 2.153
pull
Entries 54
Mean 158.4
Std Dev 0
pull1D
Entries 54
Mean 0.02061
Std Dev 0.7233

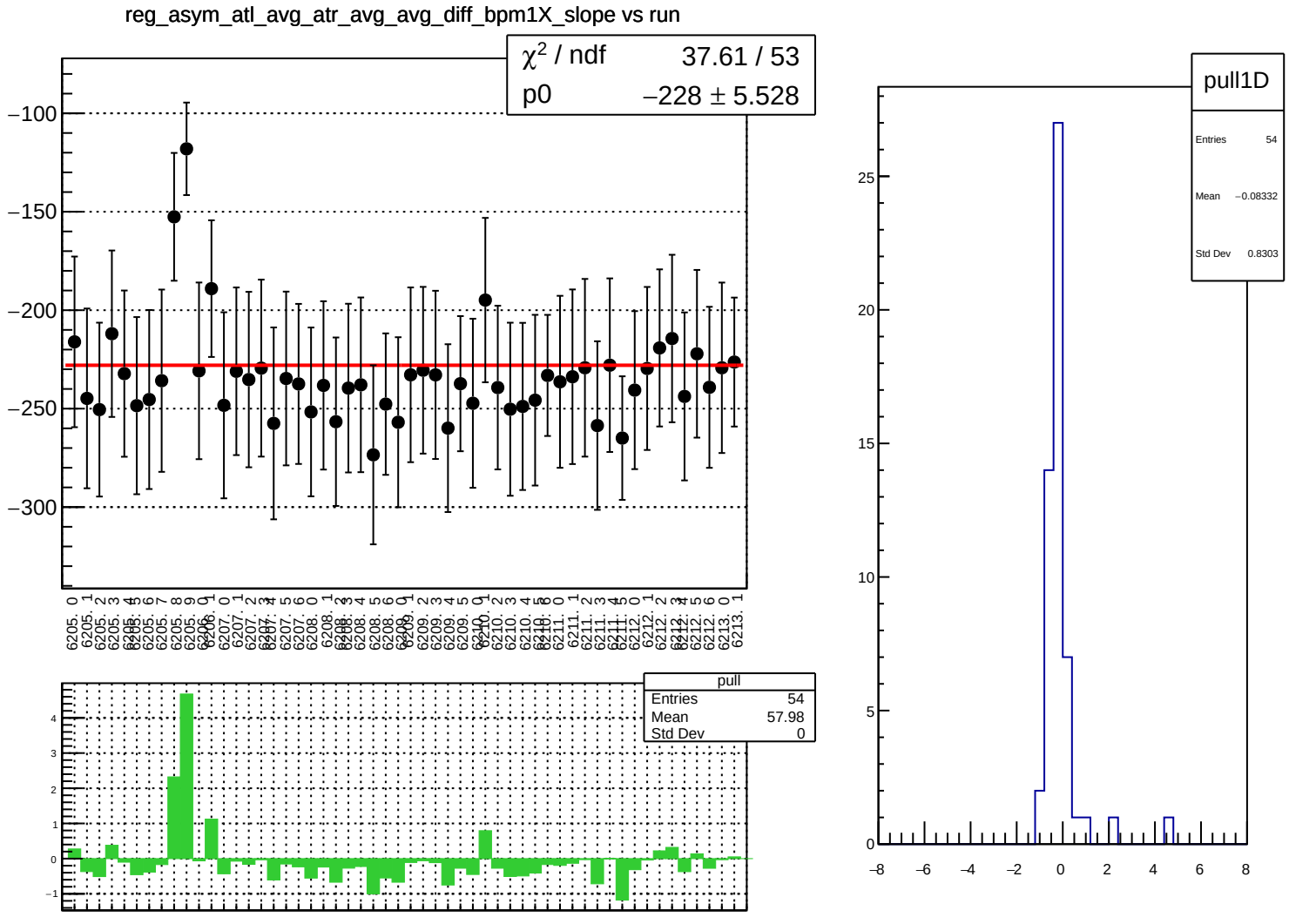

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 52.75 / 53
p0 93.83 ± 2.399
pull
Entries 54
Mean 141.9
Std Dev 0

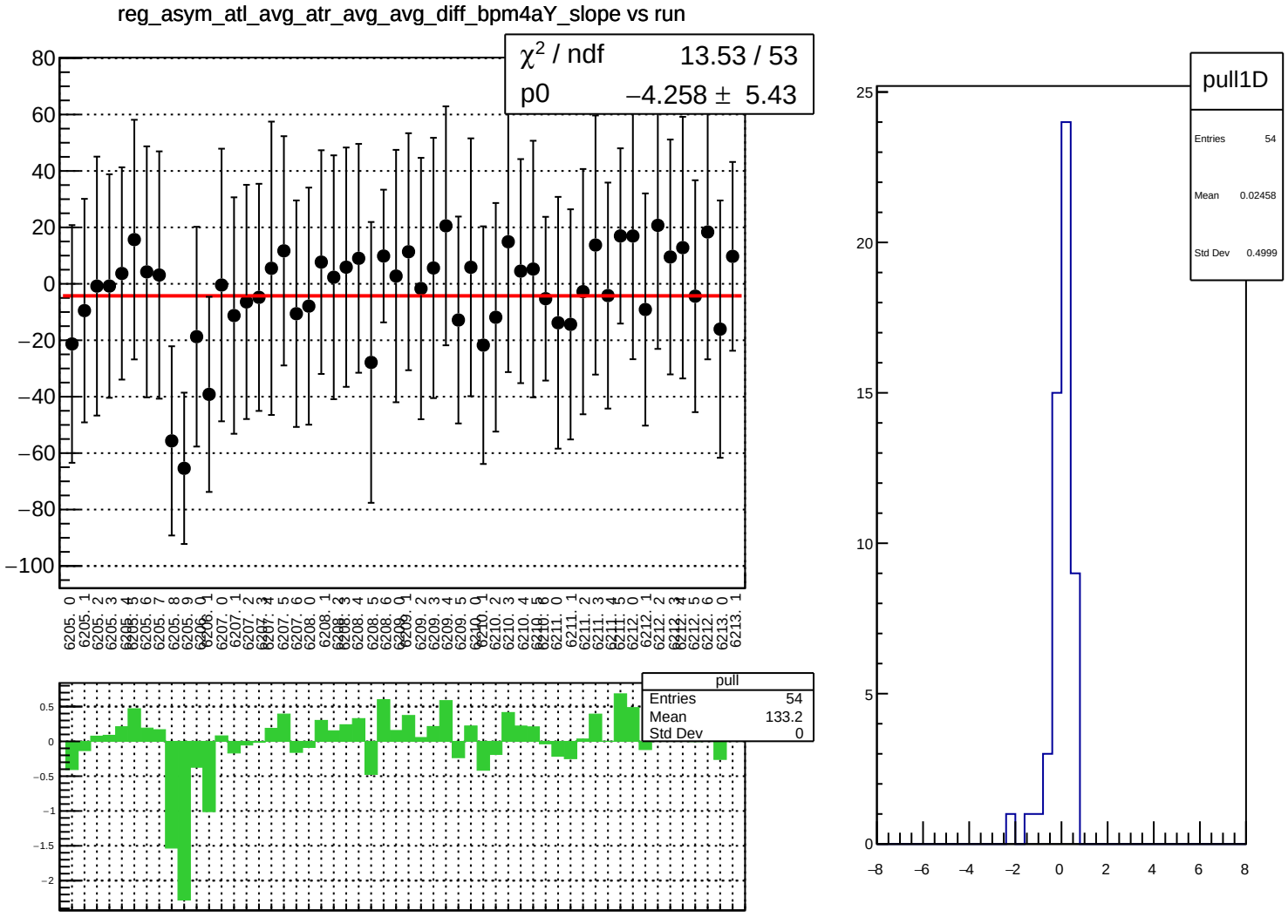

pull1D
Entries 54
Mean 0.05895
Std Dev 0.9866

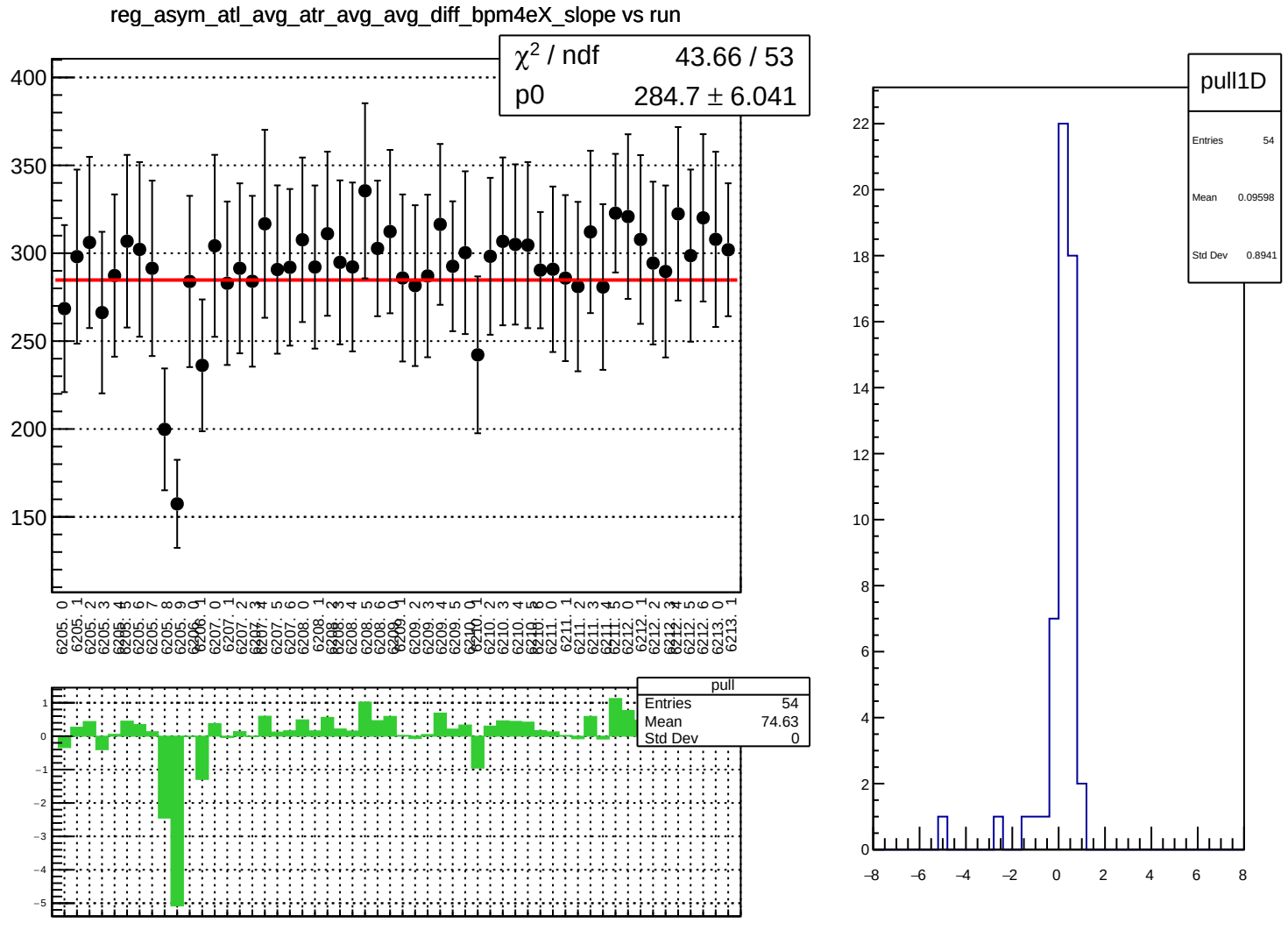

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 30.65 / 53
p0 7.792 ± 2.401
pull
Entries 54
Mean 149.2
Std Dev 0
pull1D
Entries 54
Mean −0.0267
Std Dev 0.7529

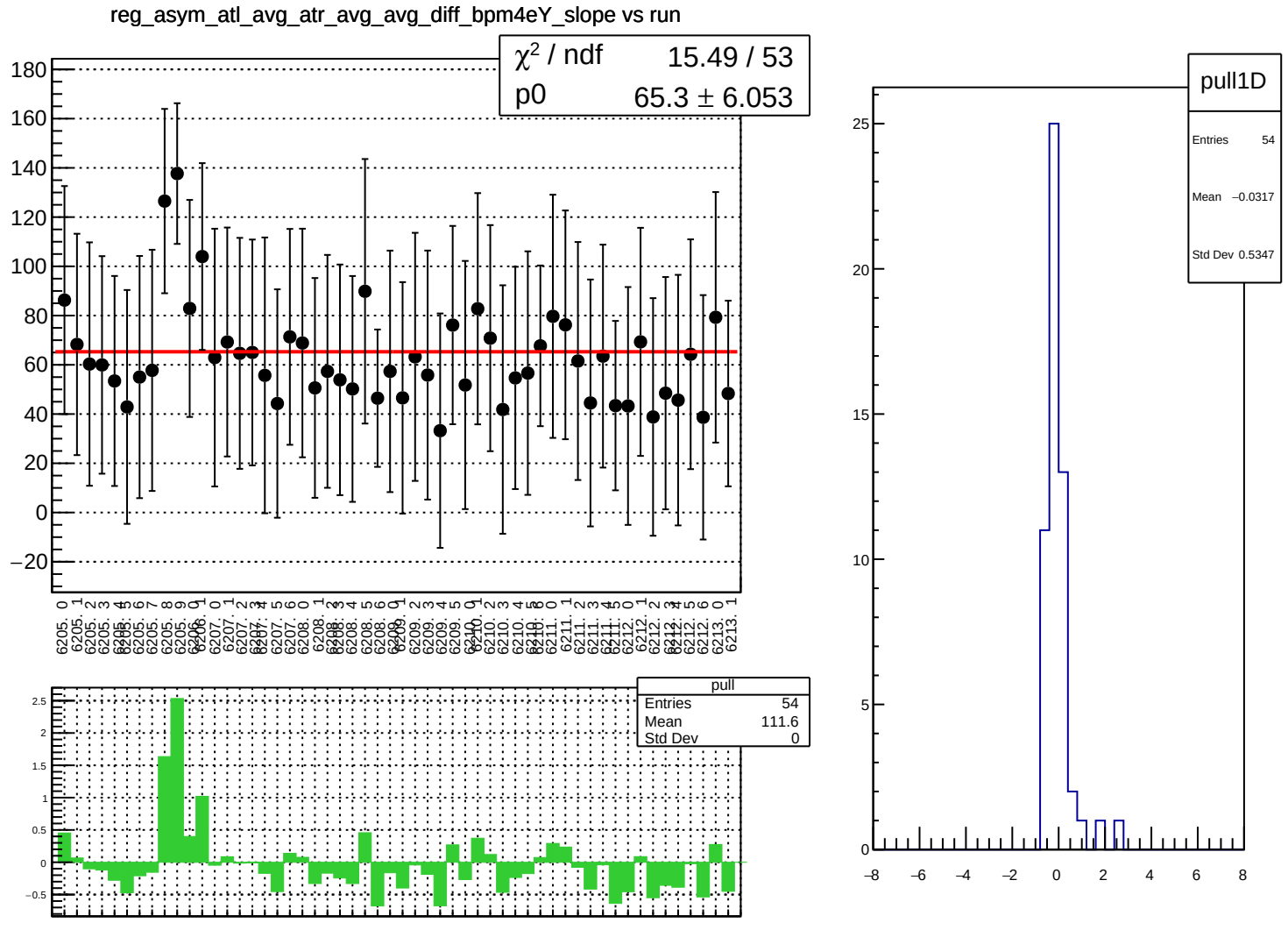

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 36.8 / 53
p0 −12.41 ± 0.1979
pull
Entries 54
Mean 163.8
Std Dev 0

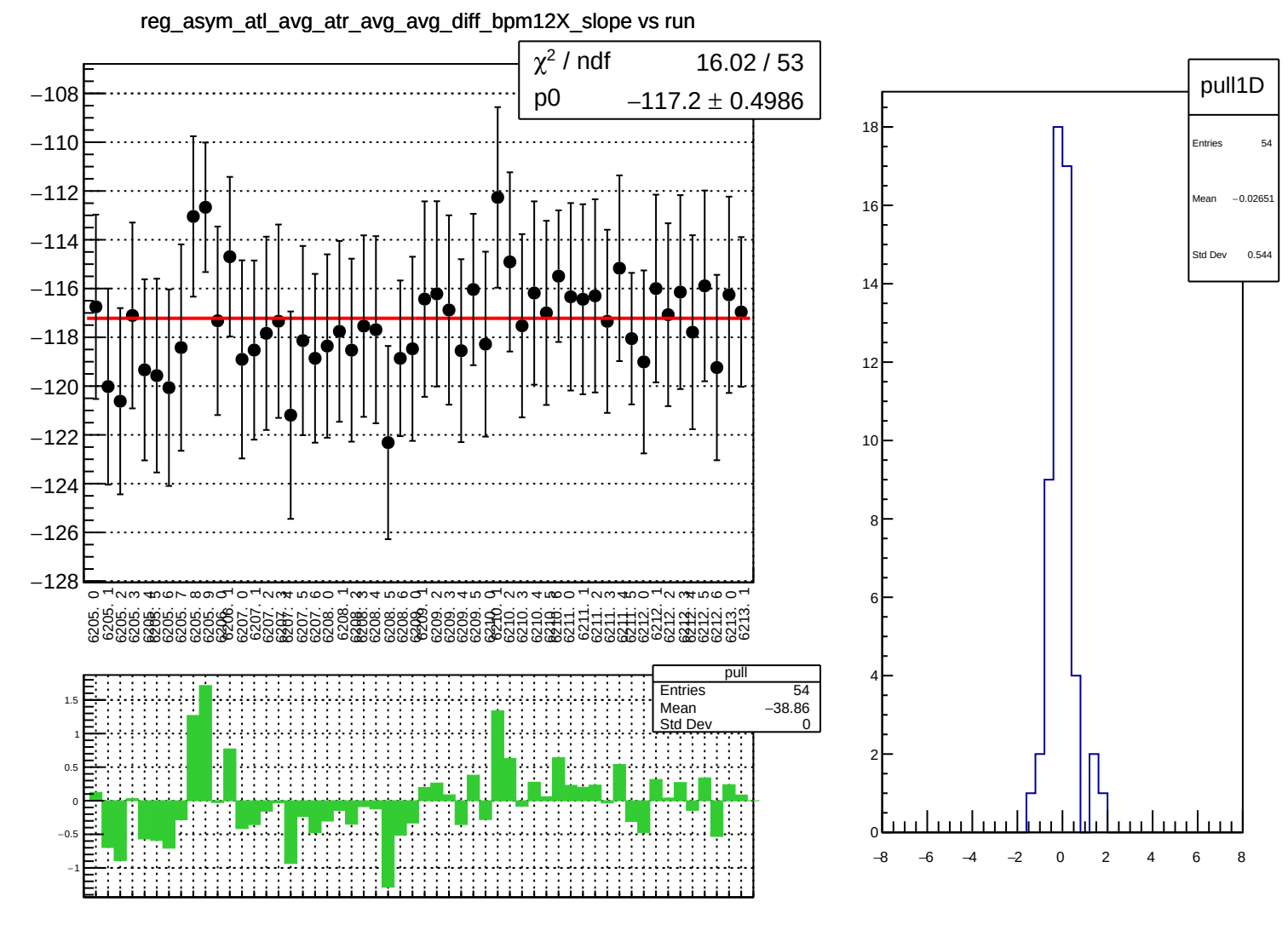

pull1D
Entries 54
Mean −0.02017
Std Dev 0.8253

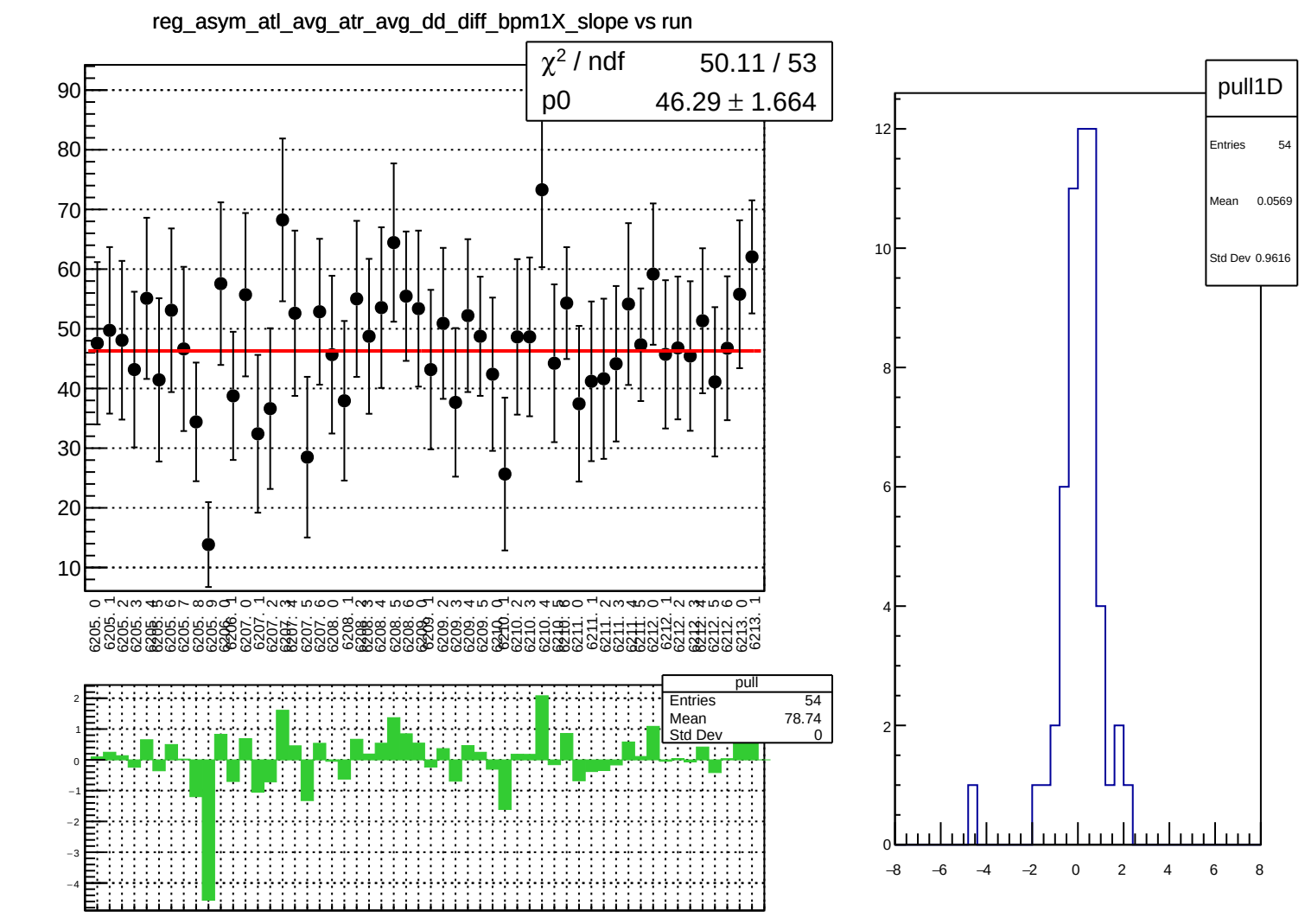

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 37.61 / 53
p0 −228 ± 5.528
−100
−150
−200
−250
−300
pull
Entries 54
Mean 57.98
Std Dev 0
pull1D
Entries 54
Mean −0.08332
Std Dev 0.8303
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

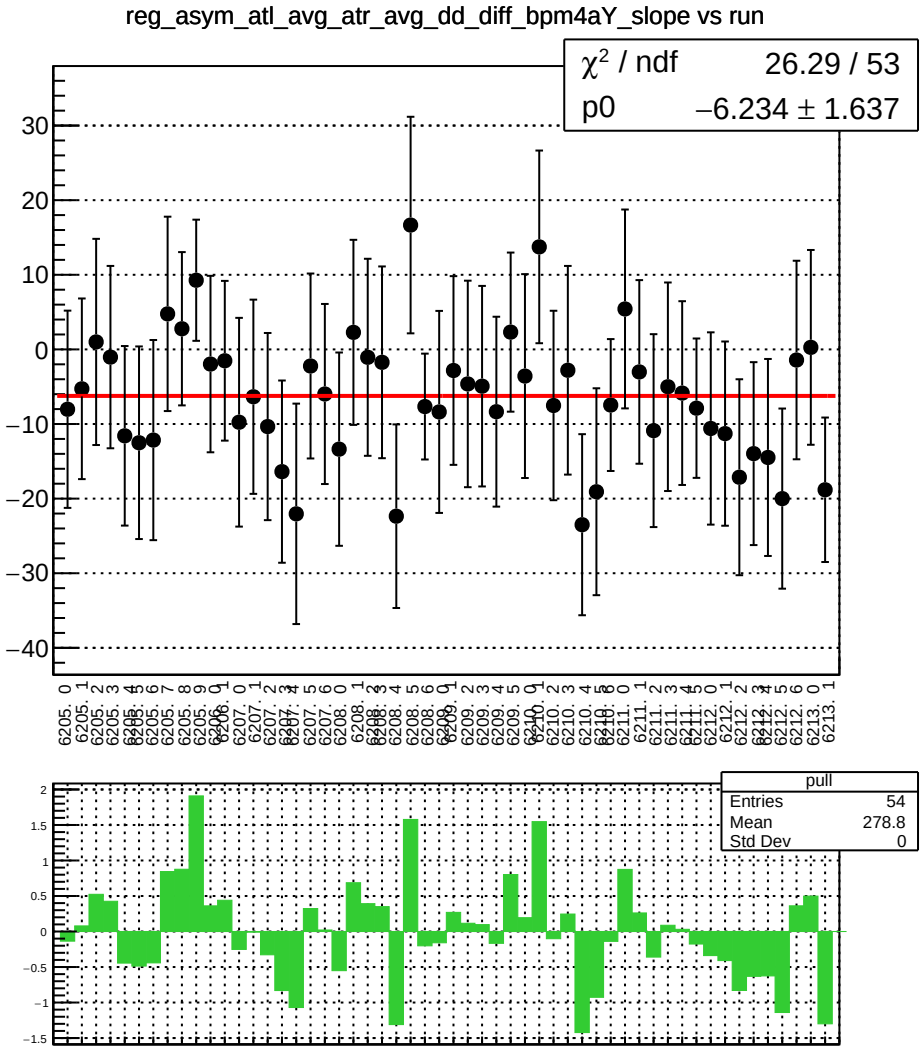

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 13.53 / 53
p0 −4.258 ± 5.43
pull
Entries 54
Mean 133.2
Std Dev 0
pull1D
Entries 54
Mean 0.02458
Std Dev 0.4999

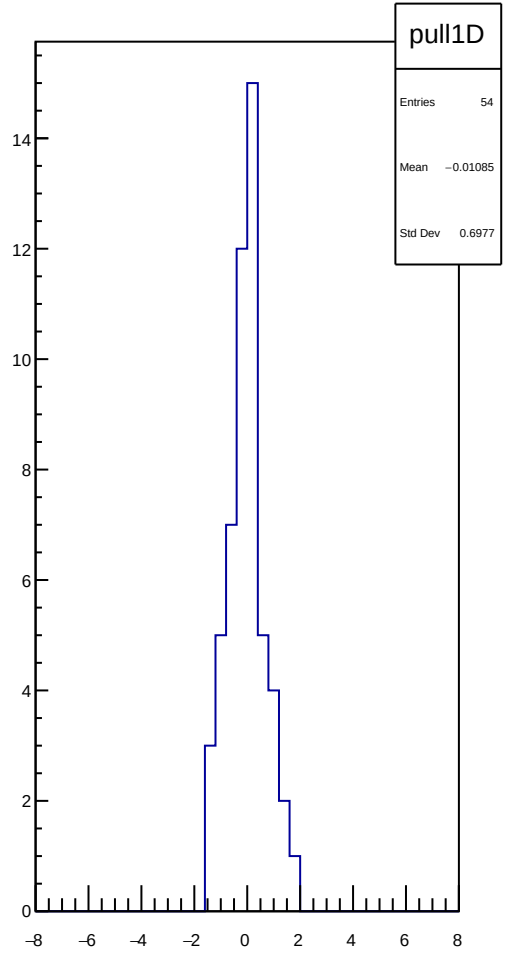

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 43.66 / 53
p0 284.7 ± 6.041
pull
Entries 54
Mean 74.63
Std Dev 0
pull1D
Entries 54
Mean 0.09598
Std Dev 0.8941

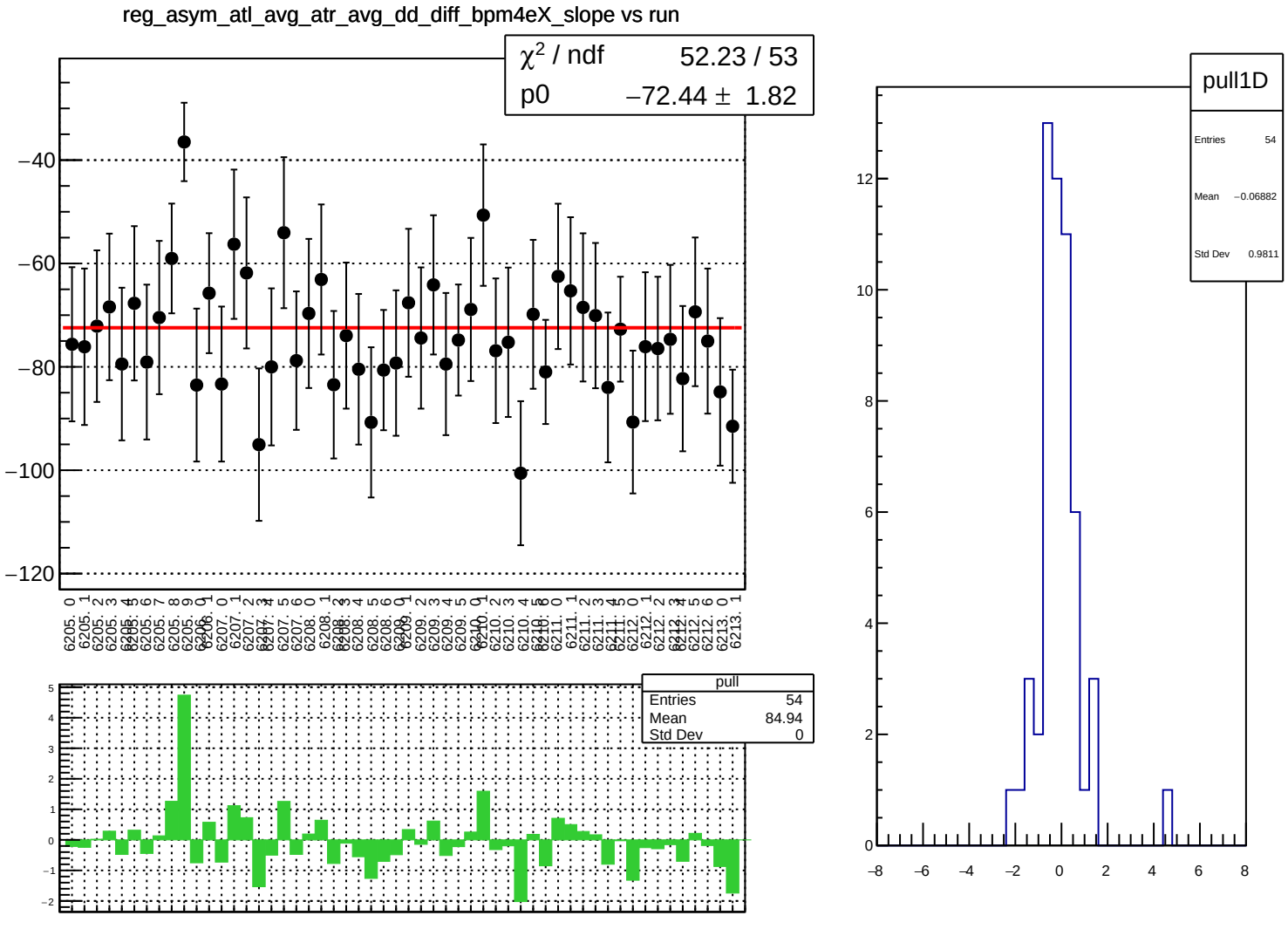

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 15.49 / 53
p0 65.3 ± 6.053
pull
Entries 54
Mean 111.6
Std Dev 0
pull1D
Entries 54
Mean −0.0317
Std Dev 0.5347

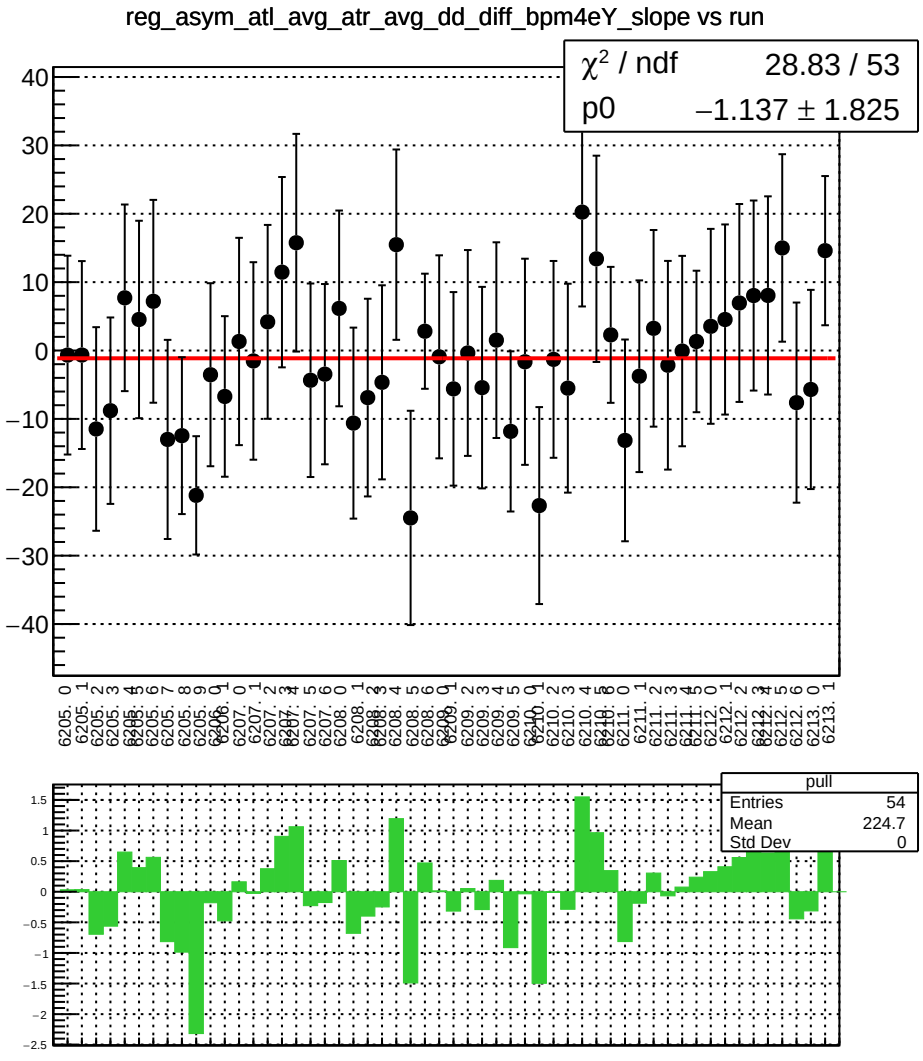

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 16.02 / 53
p0 −117.2 ± 0.4986
pull
Entries 54
Mean −38.86
Std Dev 0
pull1D
Entries 54
Mean −0.02651
Std Dev 0.544

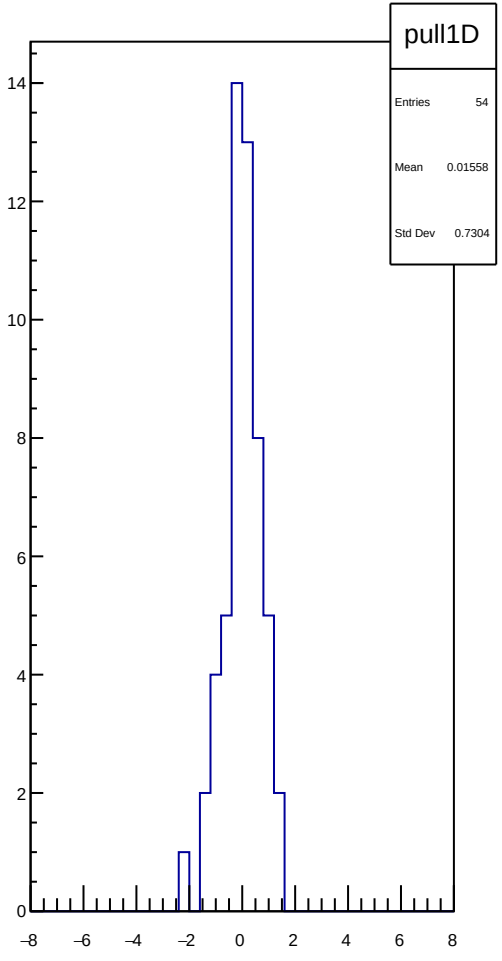

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 50.11 / 53
p0 46.29 ± 1.664
pull
Entries 54
Mean 78.74
Std Dev 0
pull1D
Entries 54
Mean 0.0569
Std Dev 0.9616

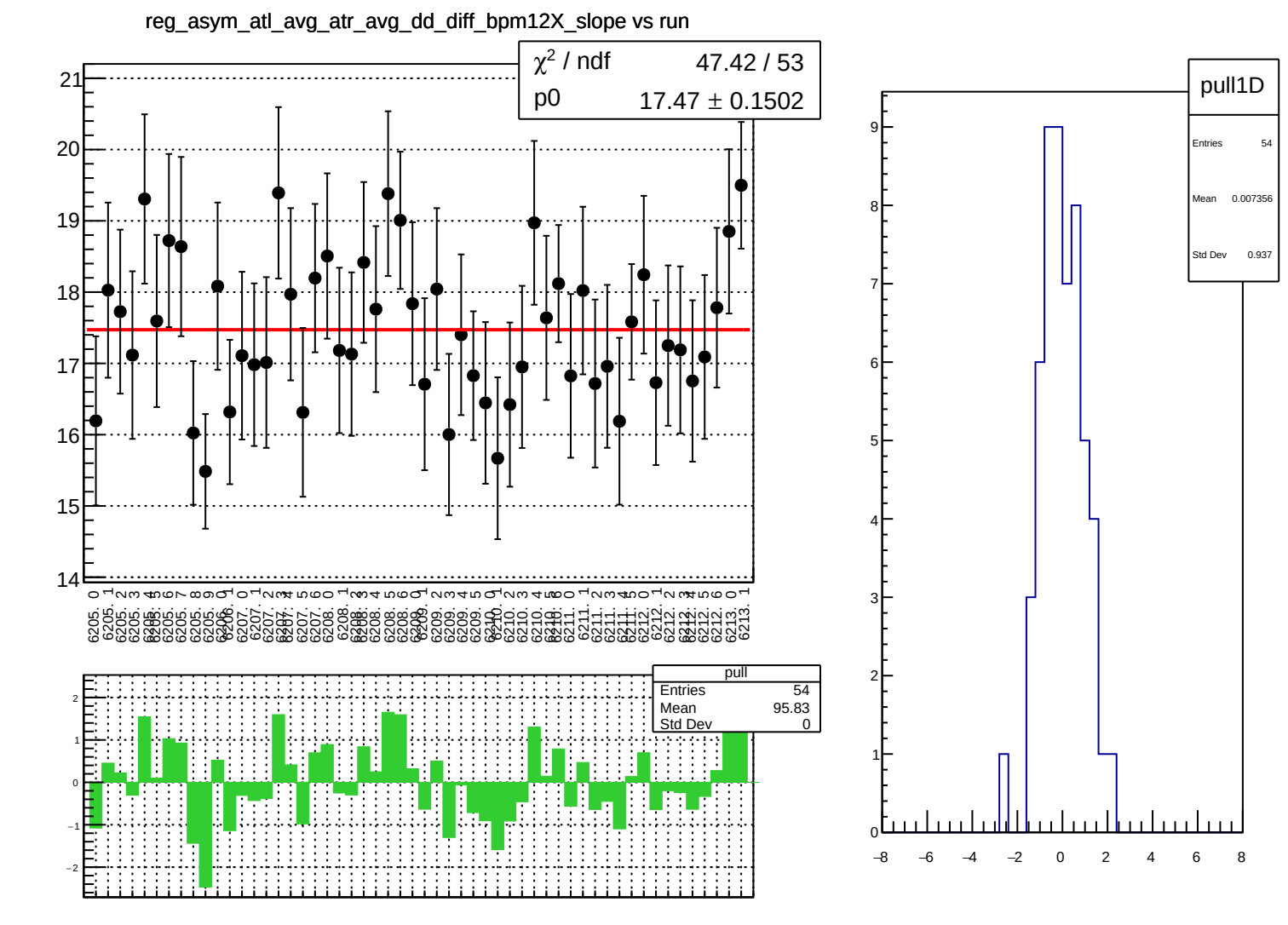

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 26.29 / 53
p0 −6.234 ± 1.637
pull
Entries 54
Mean 278.8
Std Dev 0

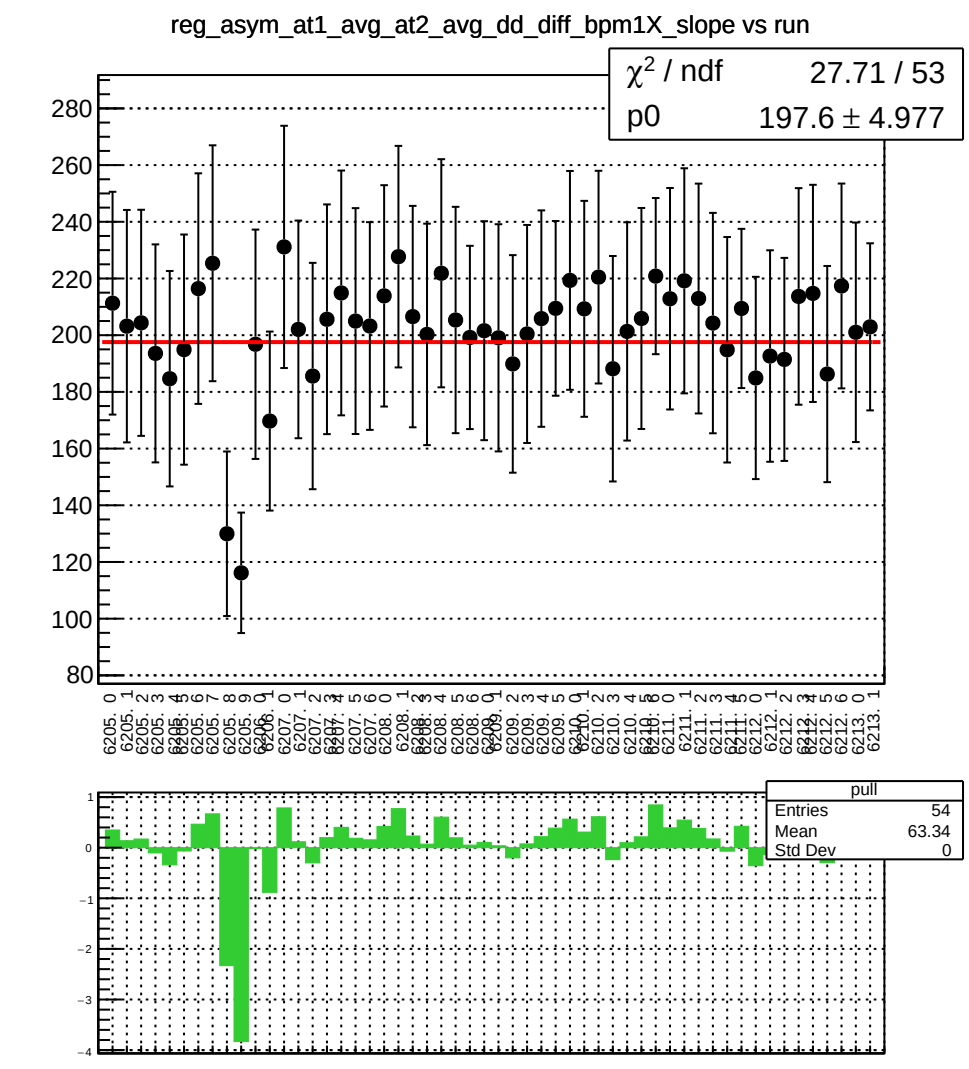

pull1D
Entries 54
Mean −0.01085
Std Dev 0.6977

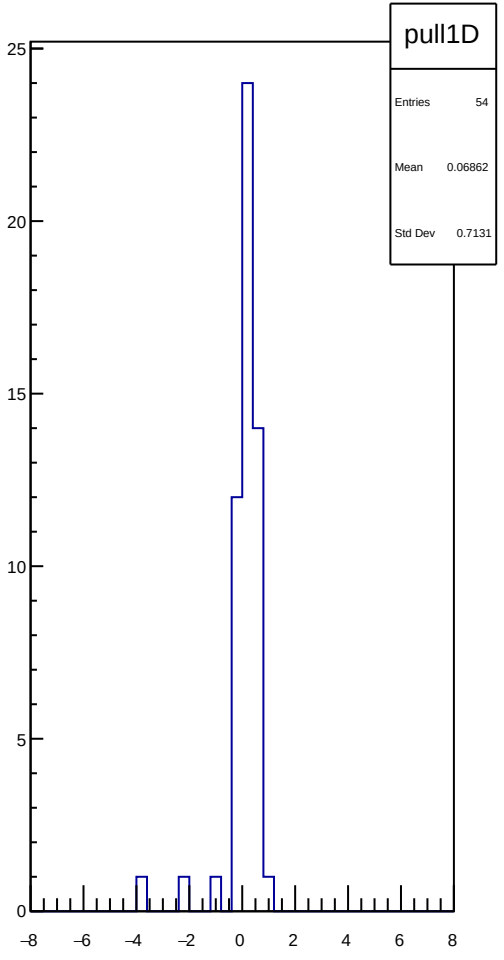

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 52.23 / 53
p0 −72.44 ± 1.82
pull
Entries 54
Mean 84.94
Std Dev 0
pull1D
Entries 54
Mean −0.06882
Std Dev 0.9811

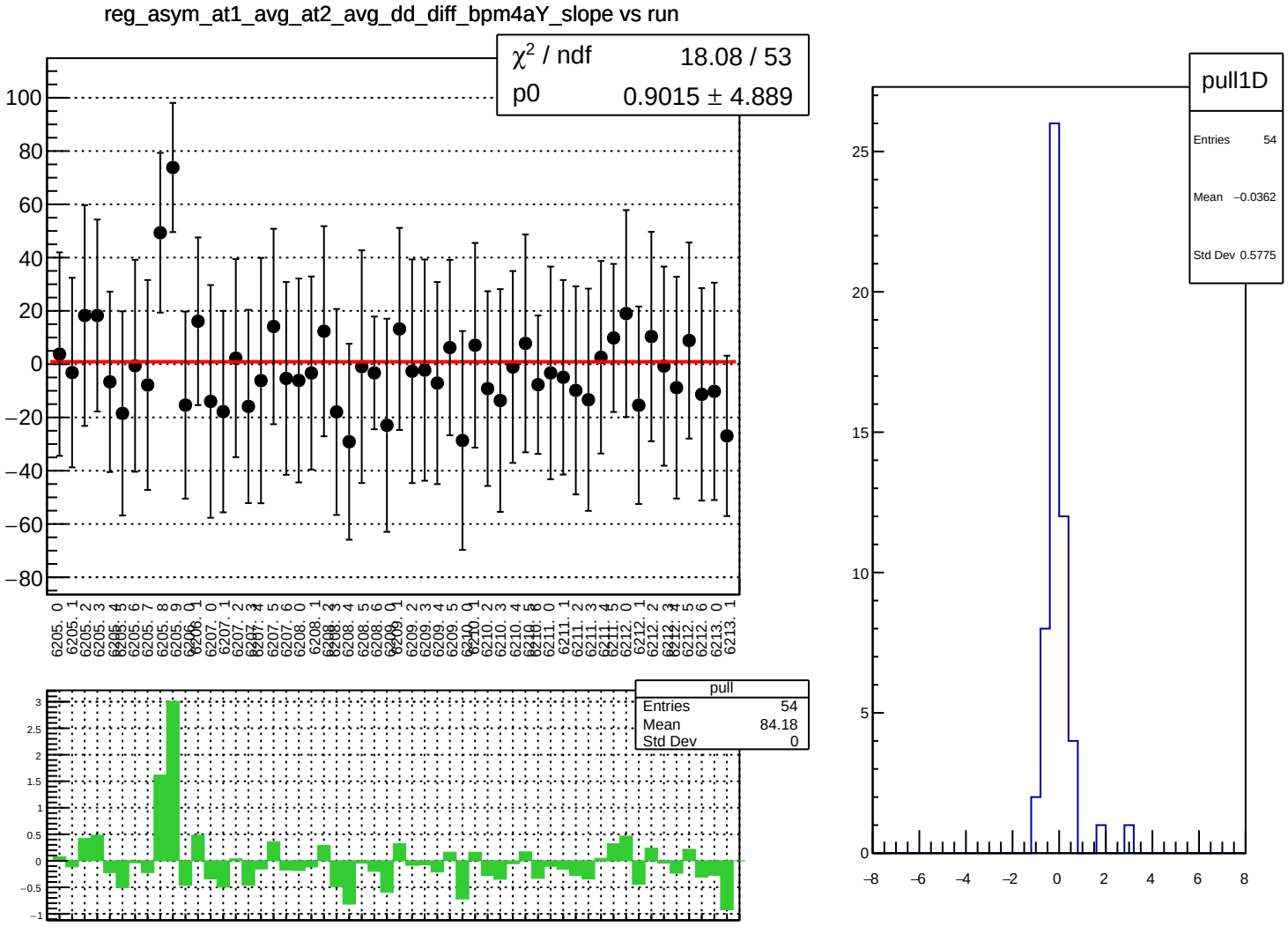

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 28.83 / 53
p0 −1.137 ± 1.825
pull
Entries 54
Mean 224.7
Std Dev 0

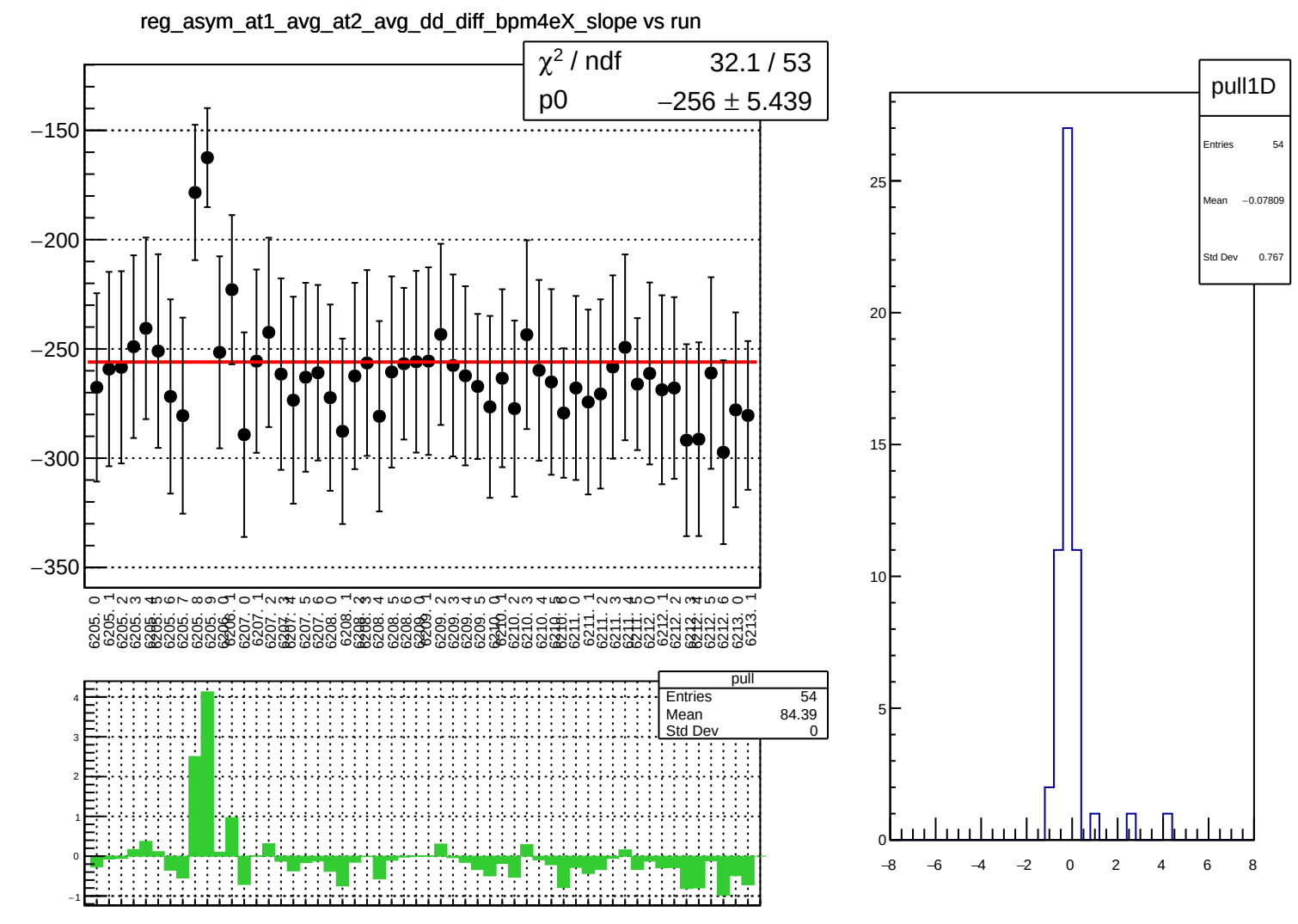

pull1D
Entries 54
Mean 0.01558
Std Dev 0.7304

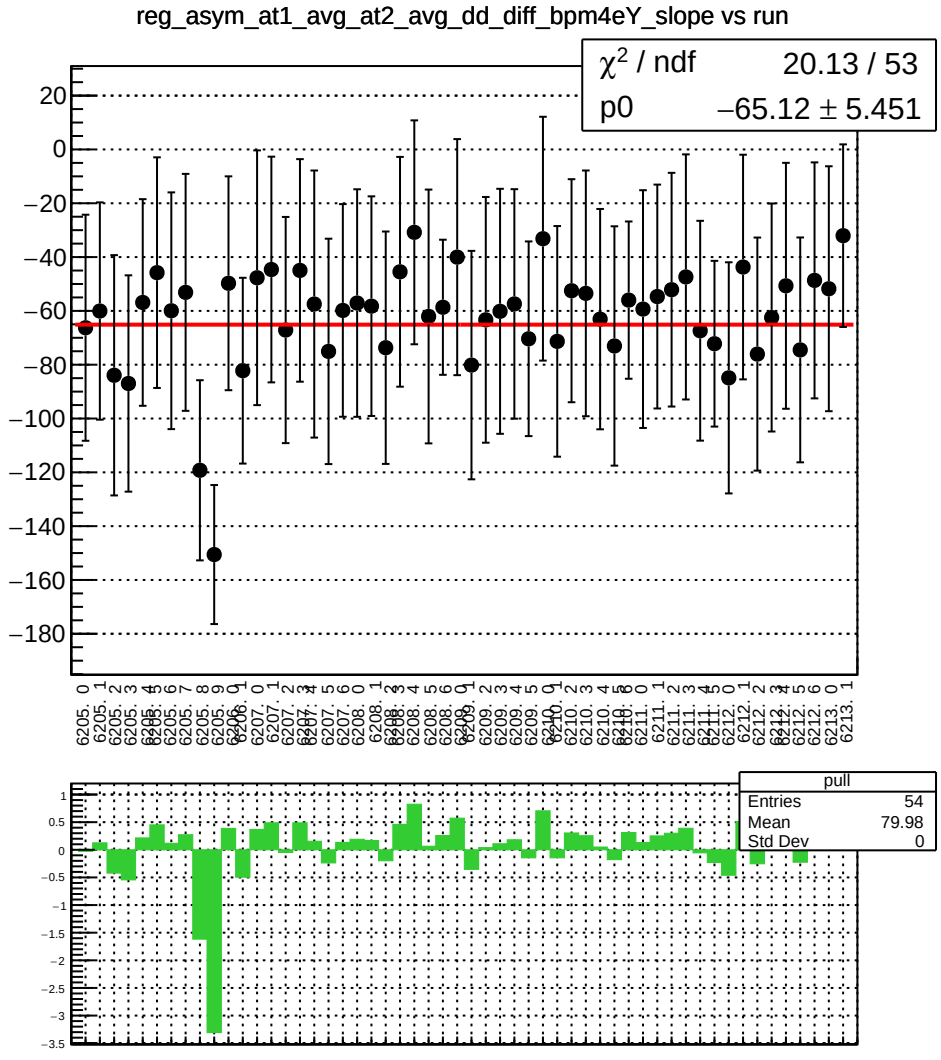

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 47.42 / 53
p0 17.47 ± 0.1502
pull
Entries 54
Mean 95.83
Std Dev 0
pull1D
Entries 54
Mean 0.007356
Std Dev 0.937

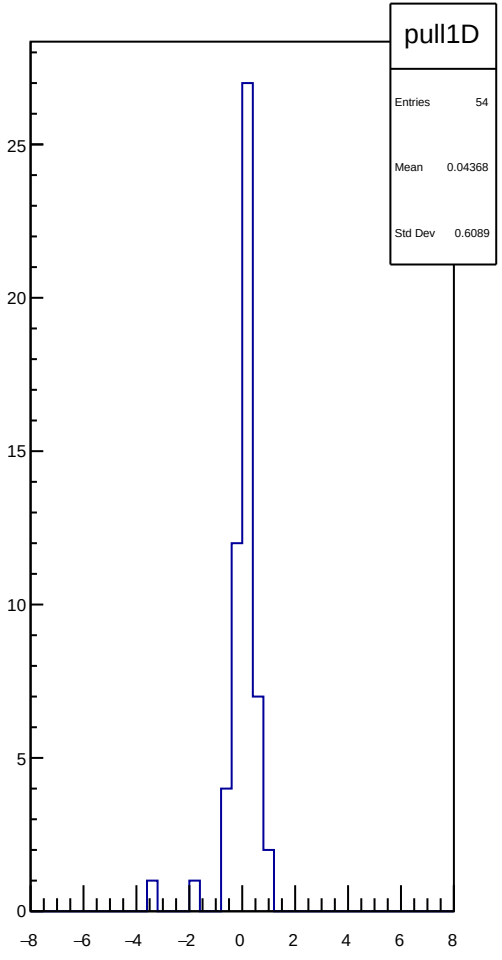

reg_asym_at1_avg_at2_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 27.71 / 53
p0 197.6 ± 4.977
pull
Entries 54
Mean 63.34
Std Dev 0

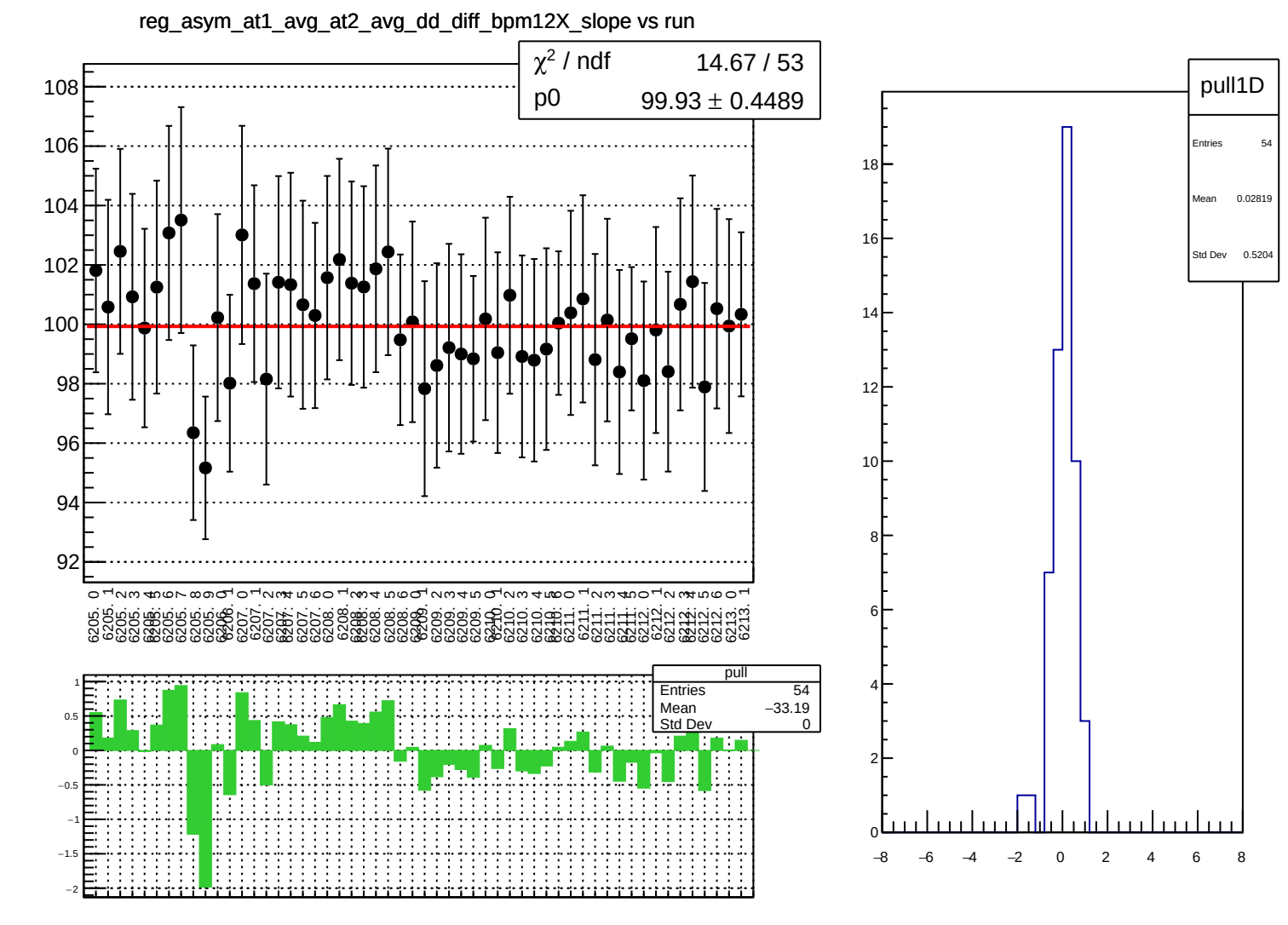

pull1D
Entries 54
Mean 0.06862
Std Dev 0.7131

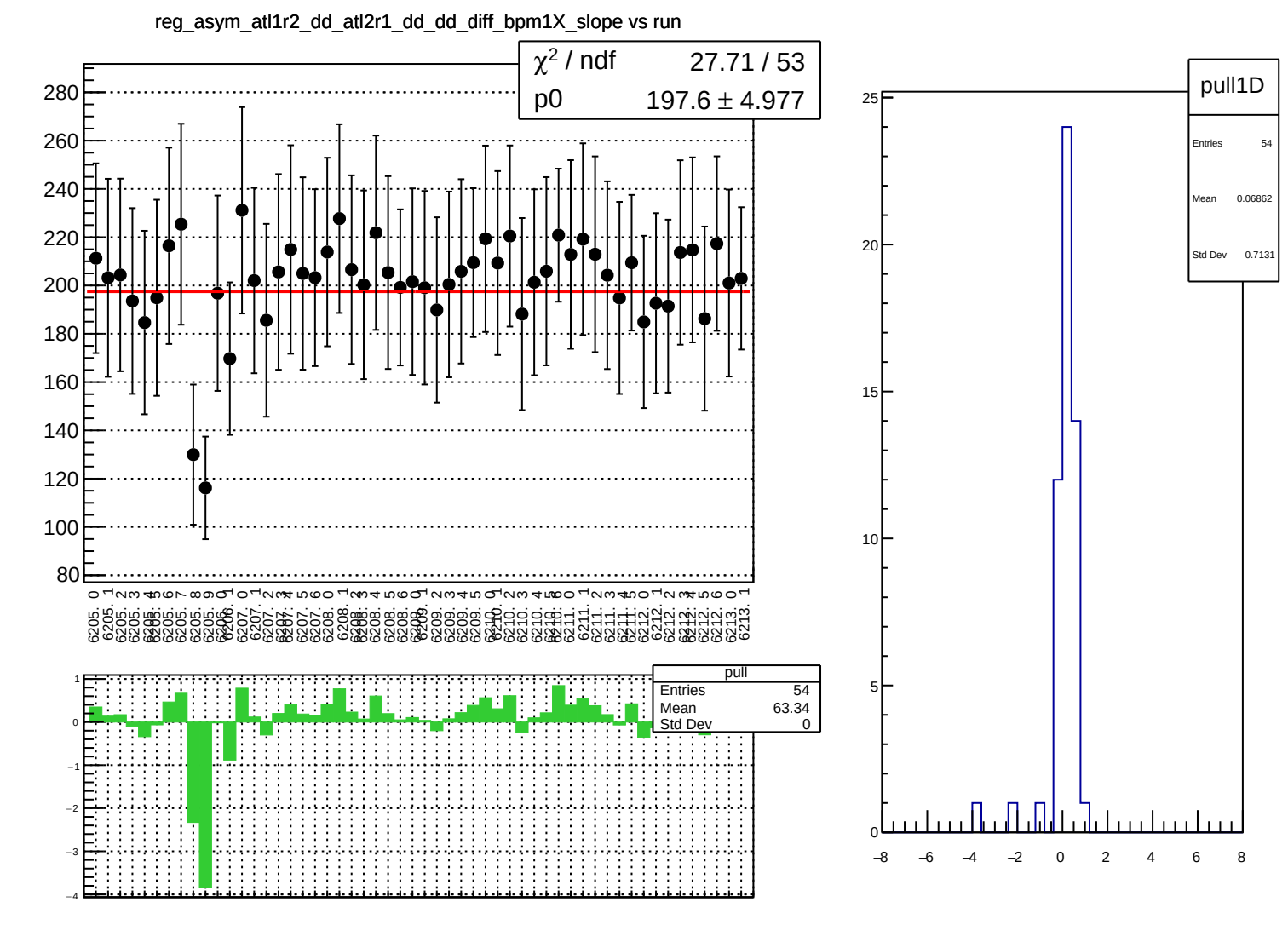

reg_asym_at1_avg_at2_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 18.08 / 53
p0 0.9015 ± 4.889
pull
Entries 54
Mean 84.18
Std Dev 0
pull1D
Entries 54
Mean −0.0362
Std Dev 0.5775

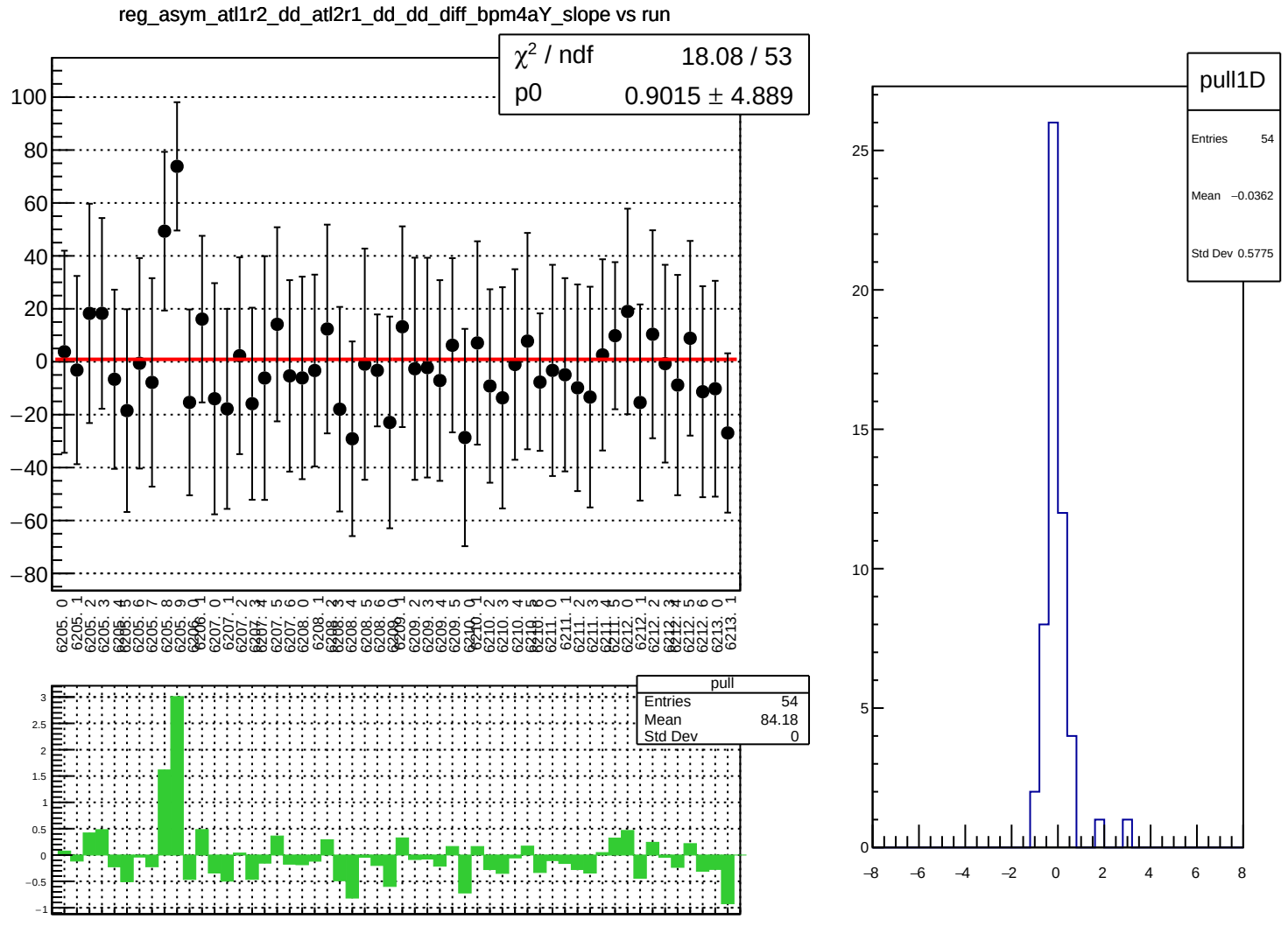

reg_asym_at1_avg_at2_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 32.1 / 53
p0 −256 ± 5.439
pull
Entries 54
Mean 84.39
Std Dev 0
pull1D
Entries 54
Mean −0.07809
Std Dev 0.767

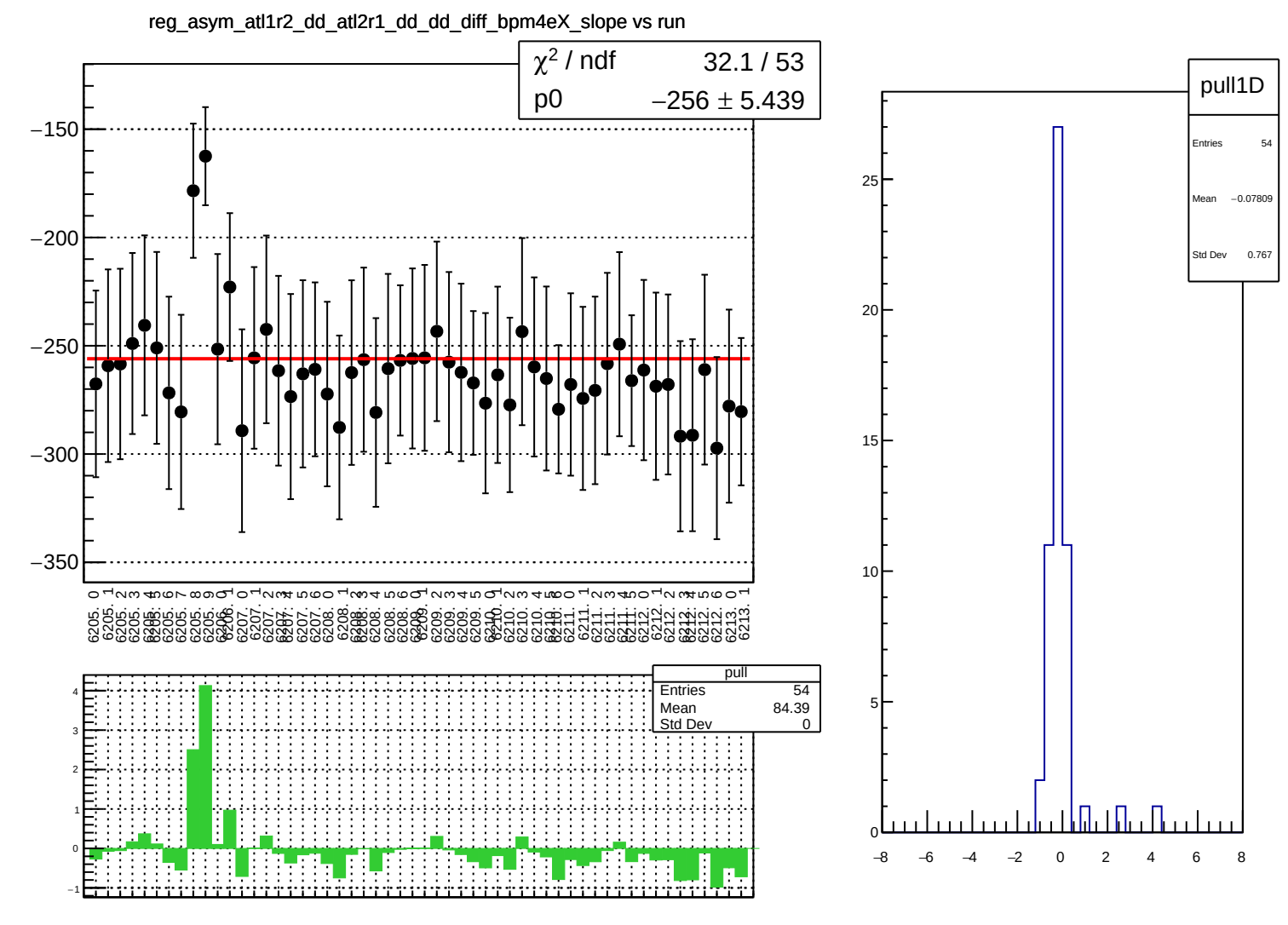

reg_asym_at1_avg_at2_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 20.13 / 53
p0 −65.12 ± 5.451
pull
Entries 54
Mean 79.98
Std Dev 0

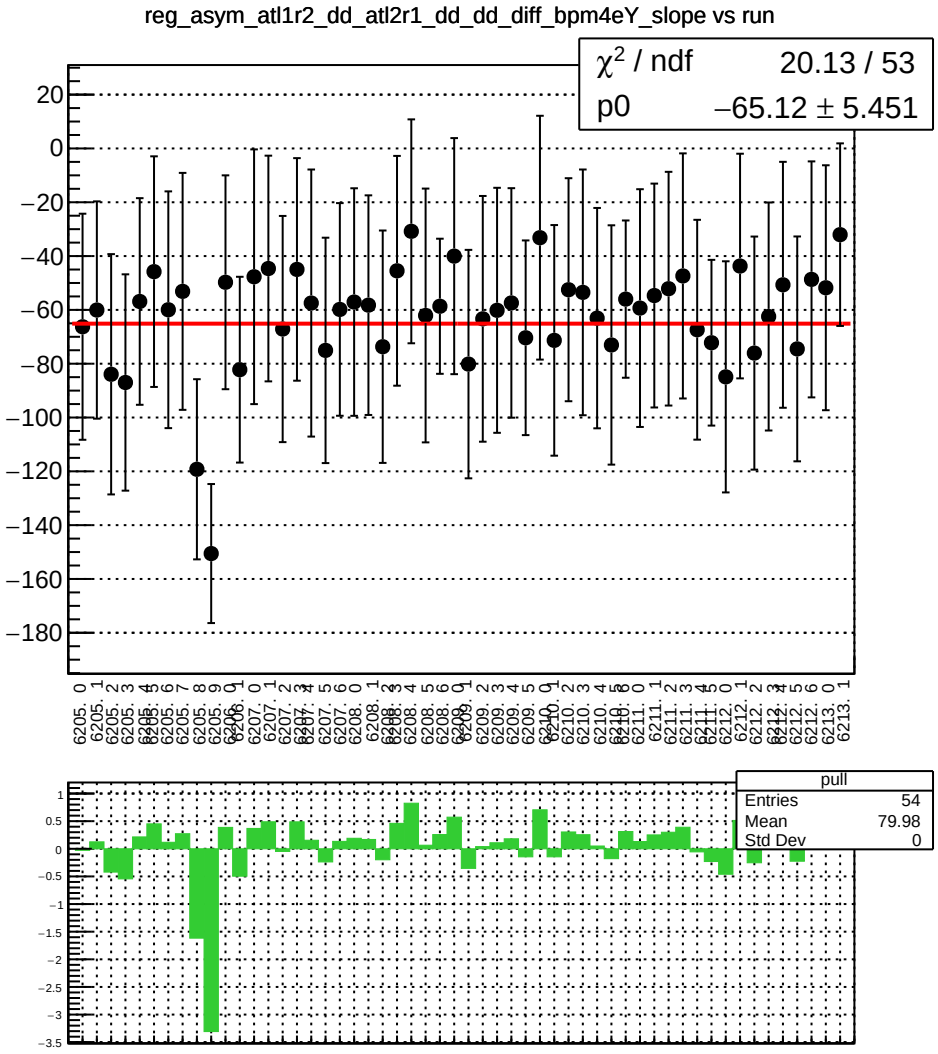

pull1D
Entries 54
Mean 0.04368
Std Dev 0.6089

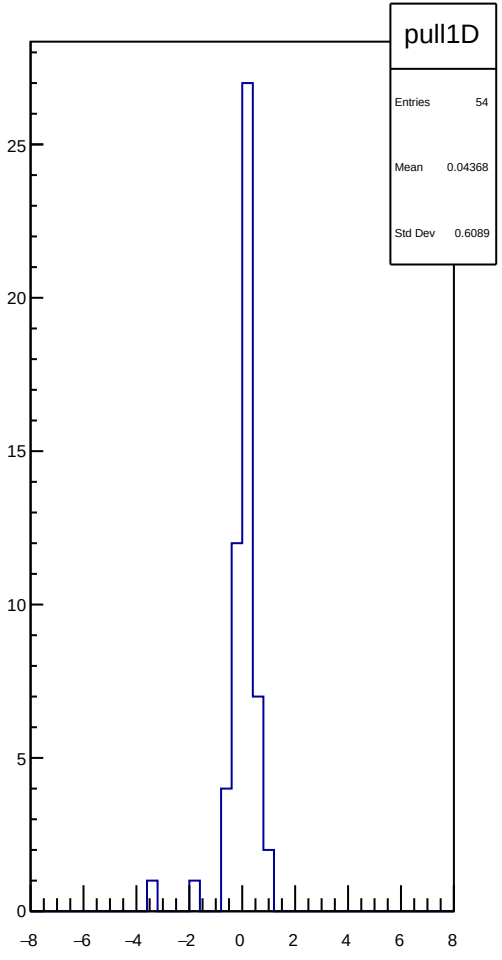

reg_asym_at1_avg_at2_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 14.67 / 53
p0 99.93 ± 0.4489
pull
Entries 54
Mean −33.19
Std Dev 0
pull1D
Entries 54
Mean 0.02819
Std Dev 0.5204

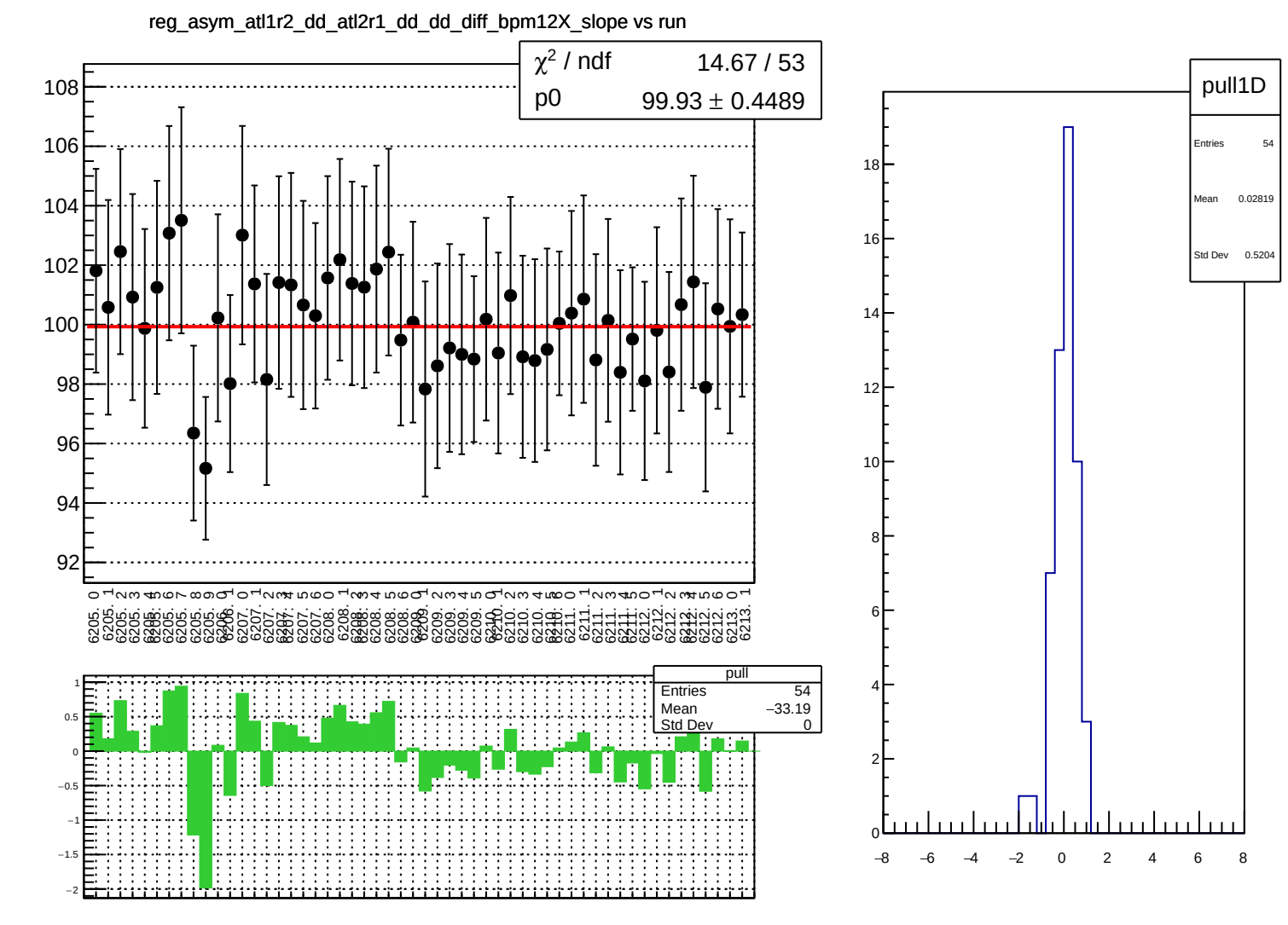

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 27.71 / 53
p0 197.6 ± 4.977
pull
Entries 54
Mean 63.34
Std Dev 0
pull1D
Entries 54
Mean 0.06862
Std Dev 0.7131

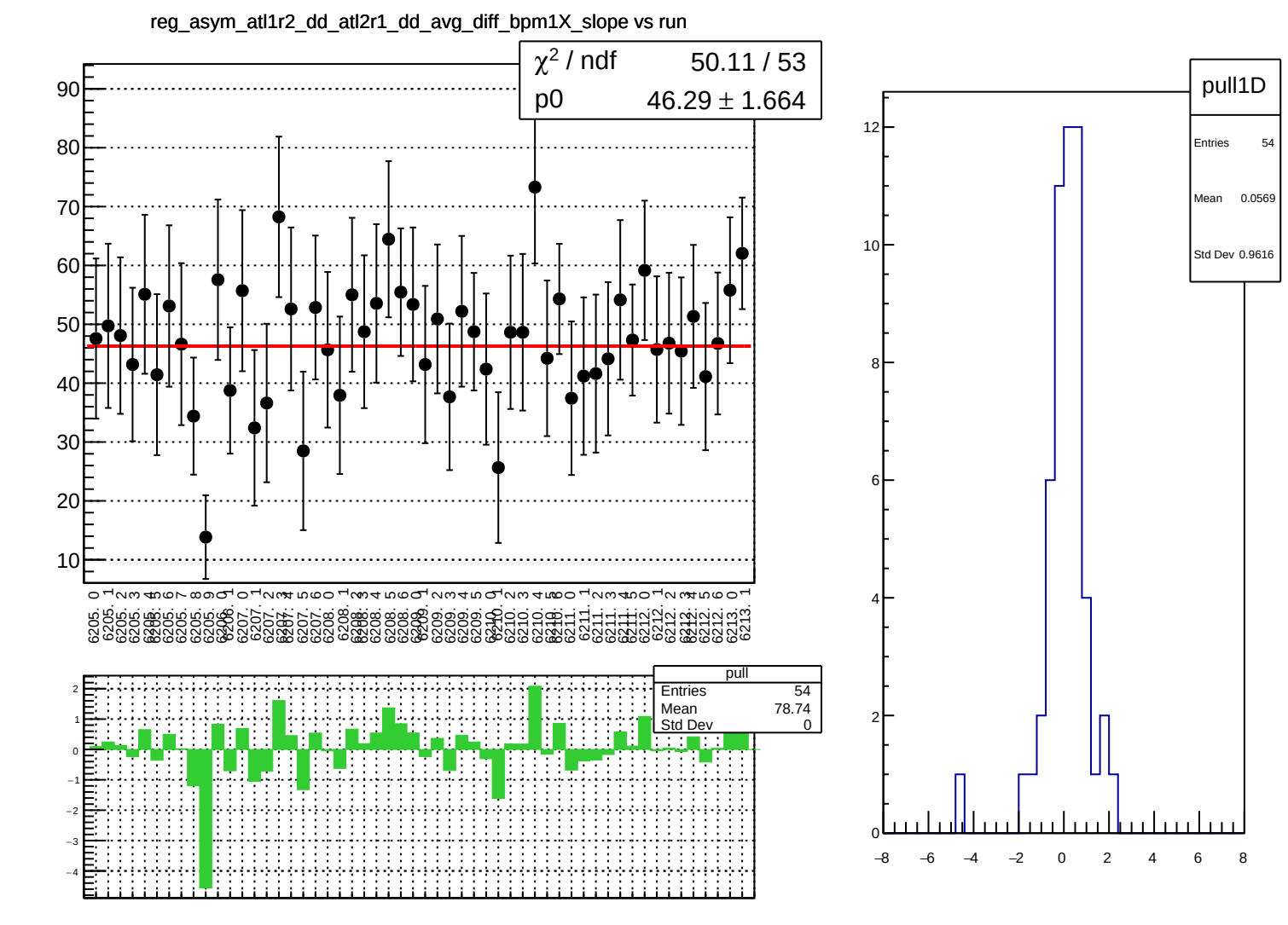

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 18.08 / 53
p0 0.9015 ± 4.889
pull
Entries 54
Mean 84.18
Std Dev 0
pull1D
Entries 54
Mean −0.0362
Std Dev 0.5775

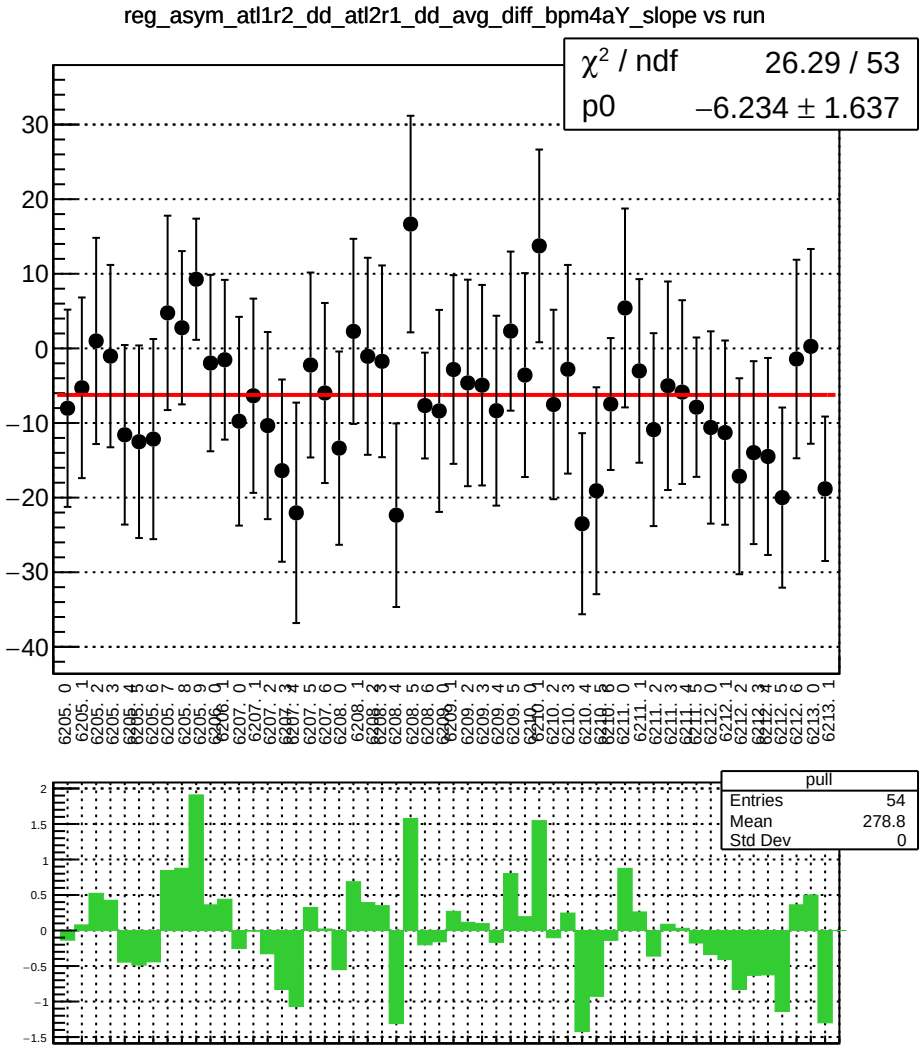

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 32.1 / 53
p0 −256 ± 5.439
−150
−200
−250
−300
−350
pull
Entries 54
Mean 84.39
Std Dev 0
pull1D
Entries 54
Mean −0.07809
Std Dev 0.767

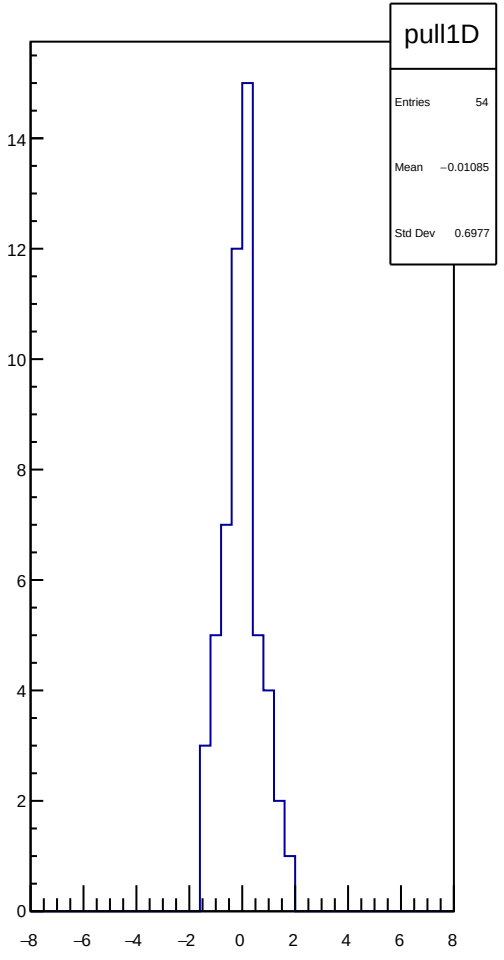

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 20.13 / 53
p0 −65.12 ± 5.451
pull
Entries 54
Mean 79.98
Std Dev 0

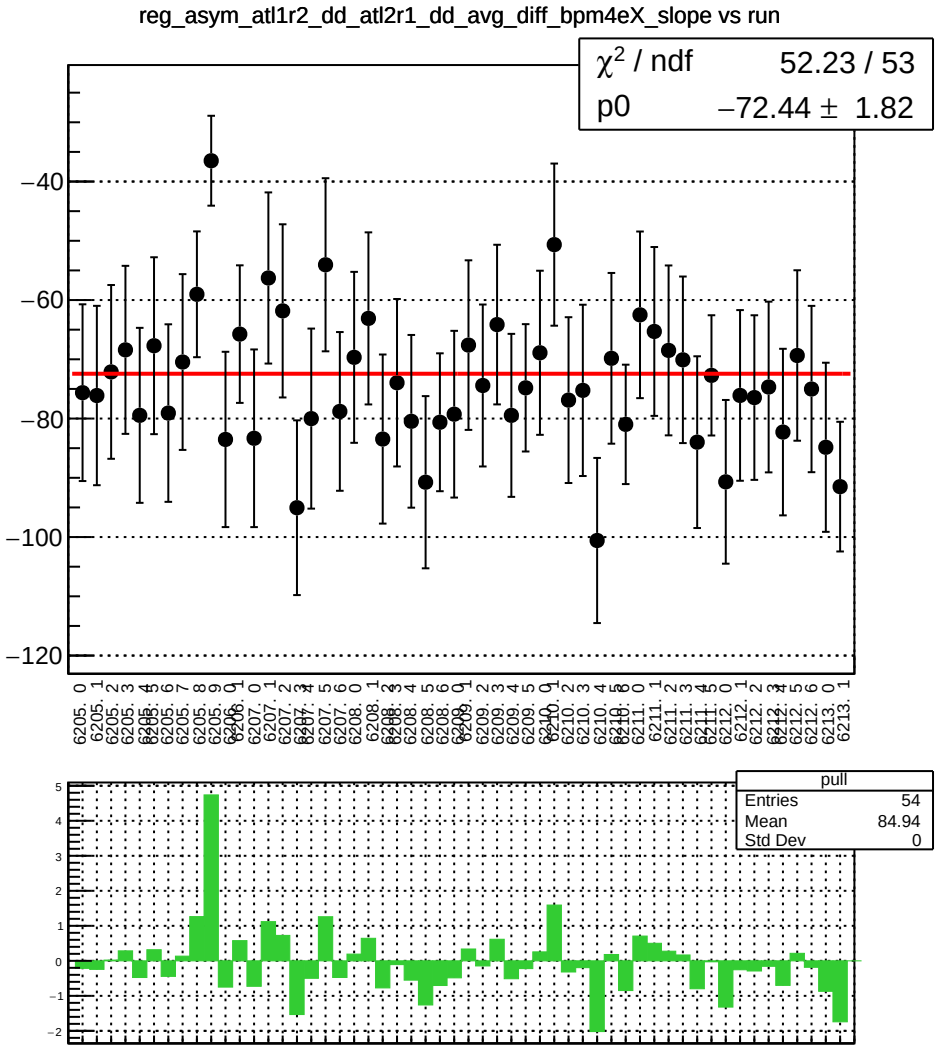

pull1D
Entries 54
Mean 0.04368
Std Dev 0.6089

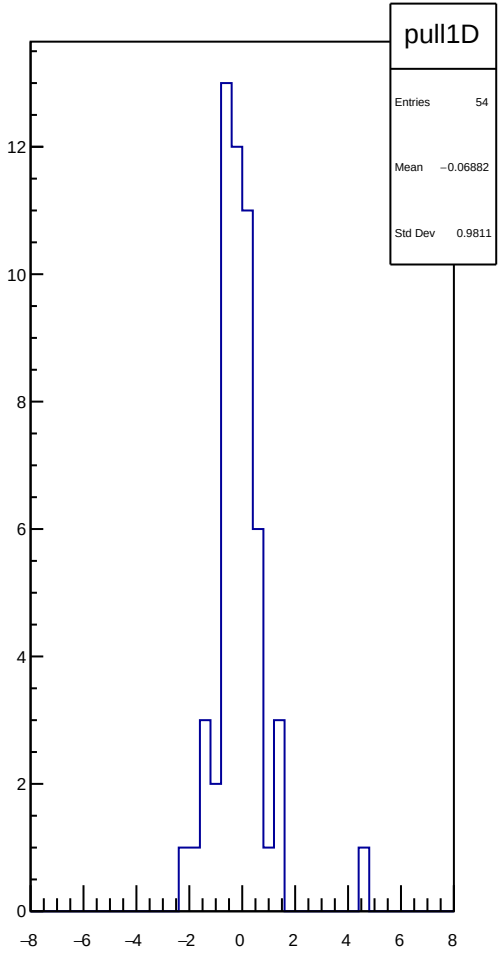

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 14.67 / 53
p0 99.93 ± 0.4489
pull
Entries 54
Mean −33.19
Std Dev 0
pull1D
Entries 54
Mean 0.02819
Std Dev 0.5204

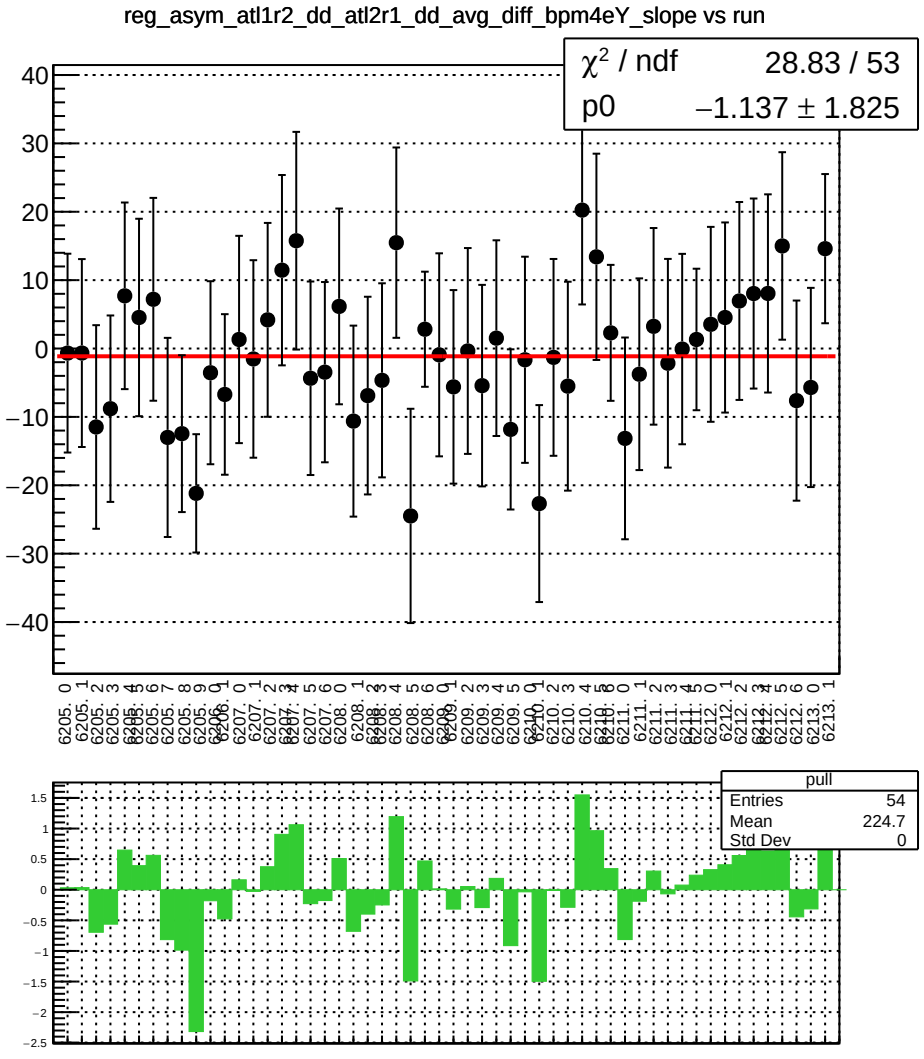

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 50.11 / 53
p0 46.29 ± 1.664
pull
Entries 54
Mean 78.74
Std Dev 0
pull1D
Entries 54
Mean 0.0569
Std Dev 0.9616

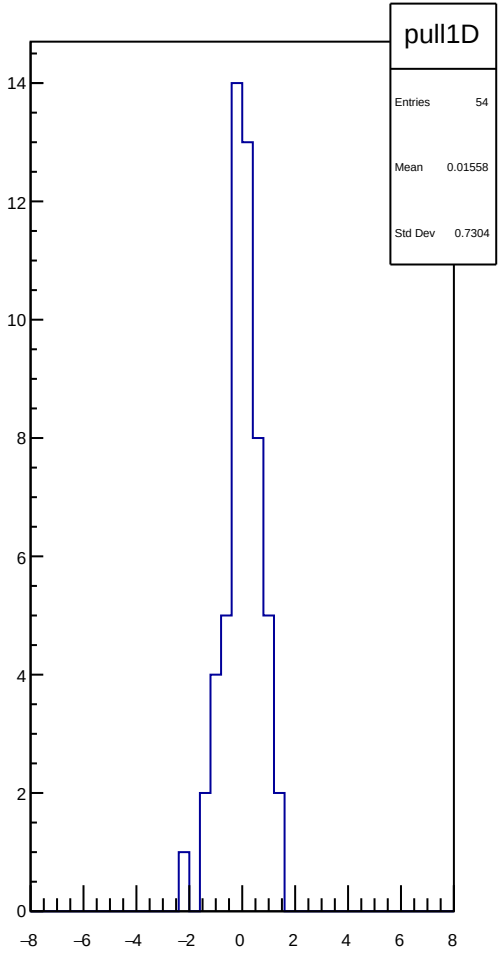

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 26.29 / 53
p0 −6.234 ± 1.637
pull
Entries 54
Mean 278.8
Std Dev 0

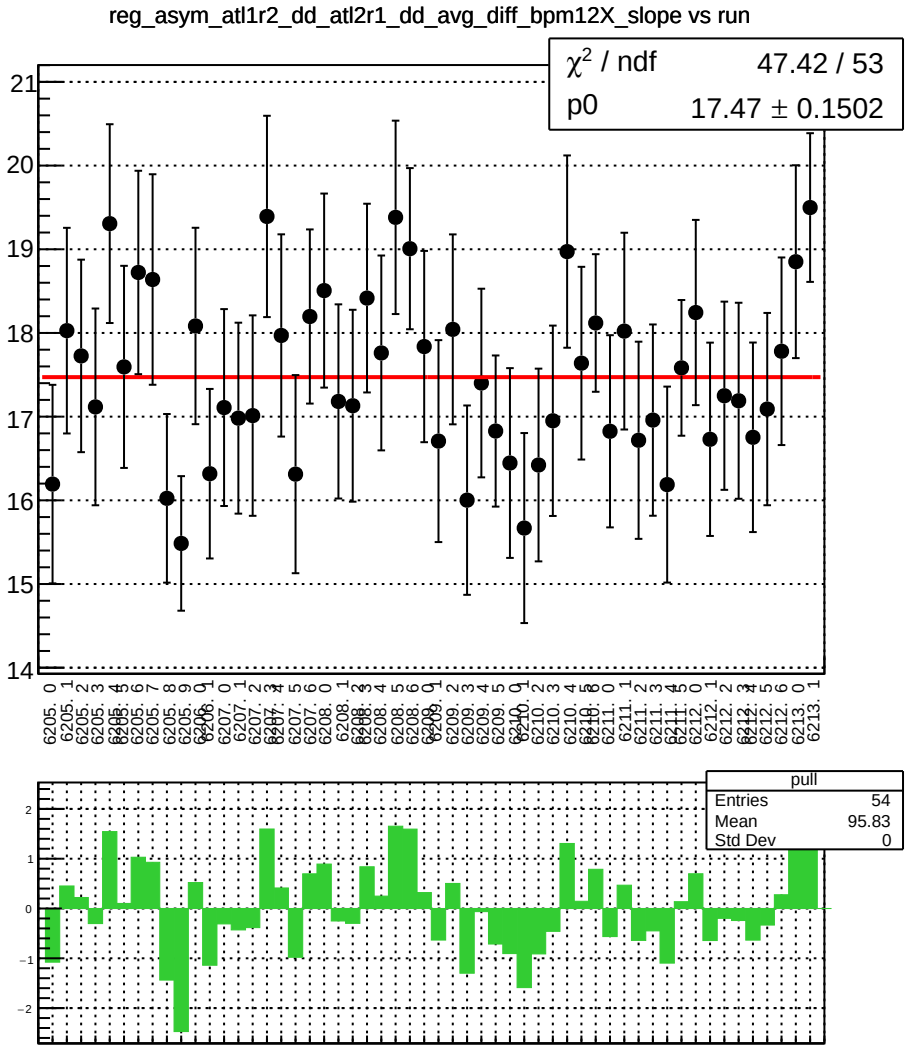

pull1D
Entries 54
Mean −0.01085
Std Dev 0.6977

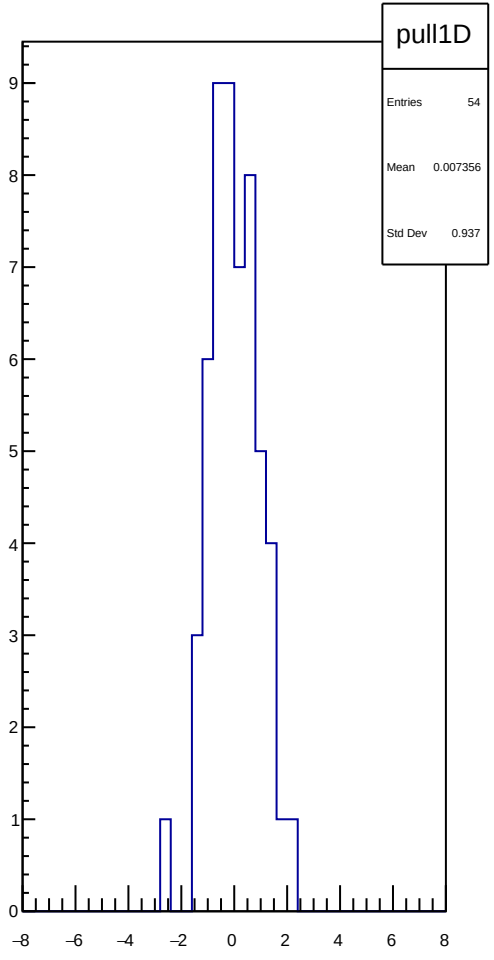

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 52.23 / 53
p0 −72.44 ± 1.82
pull
Entries 54
Mean 84.94
Std Dev 0

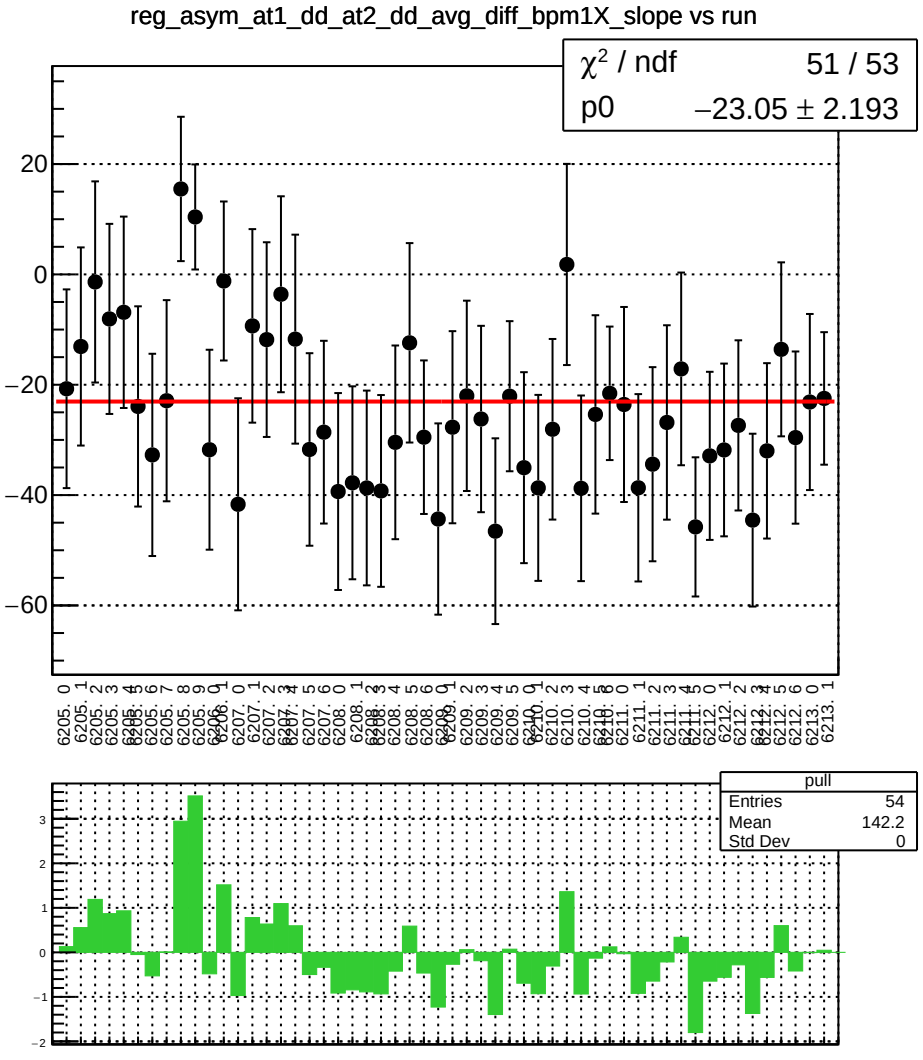

pull1D
Entries 54
Mean −0.06882
Std Dev 0.9811

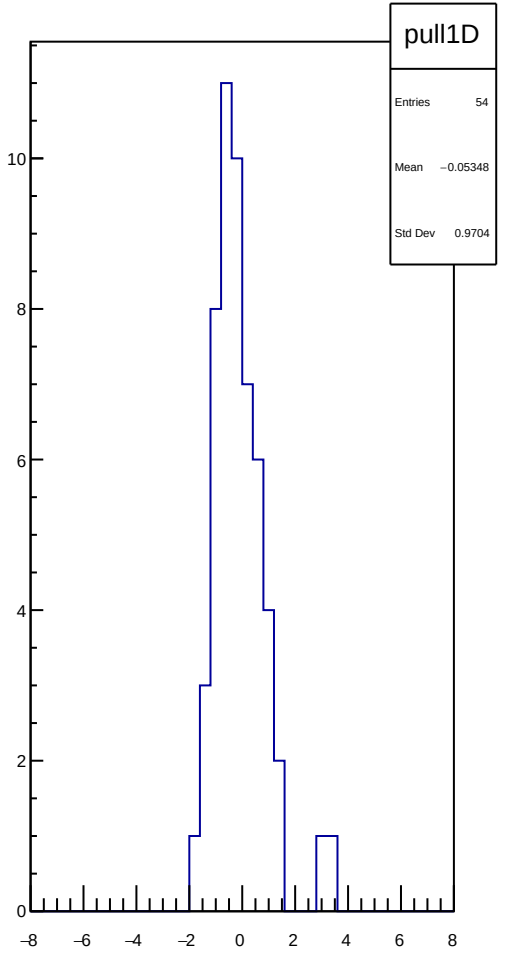

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 28.83 / 53
p0 −1.137 ± 1.825
pull
Entries 54
Mean 224.7
Std Dev 0

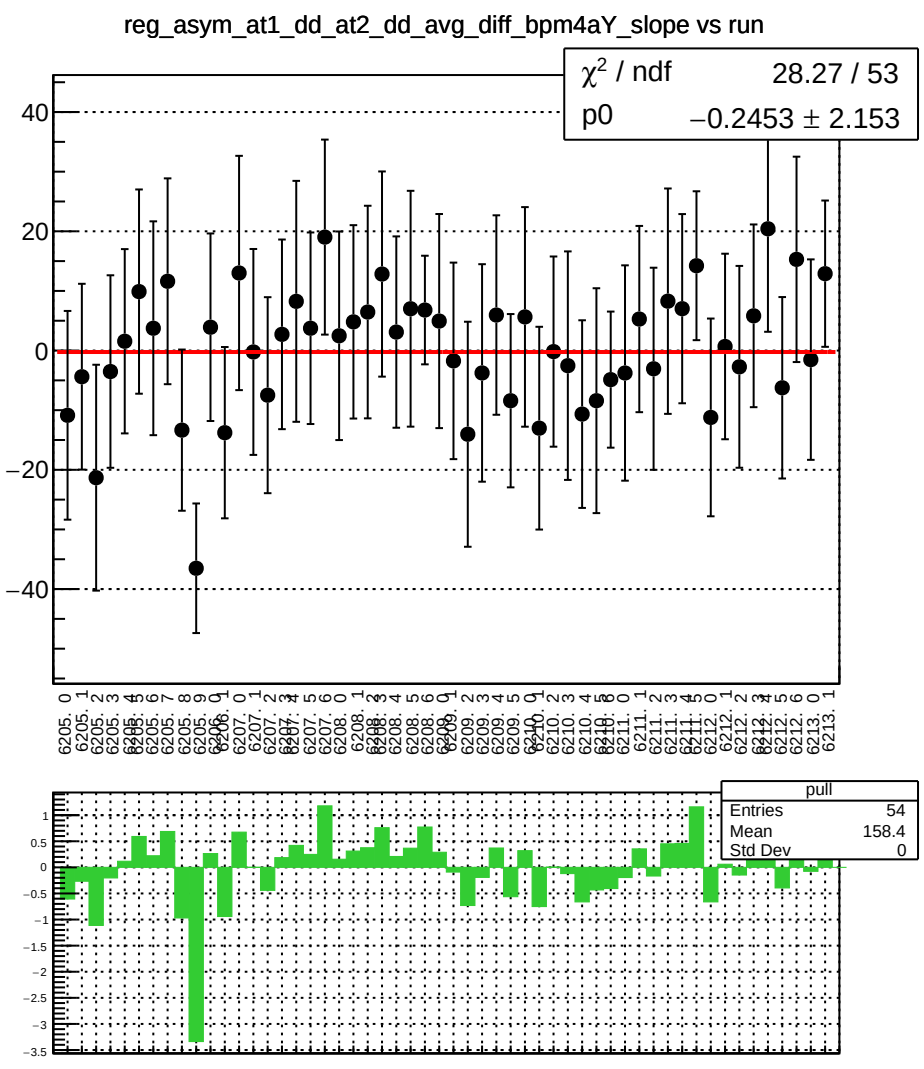

pull1D
Entries 54
Mean 0.01558
Std Dev 0.7304

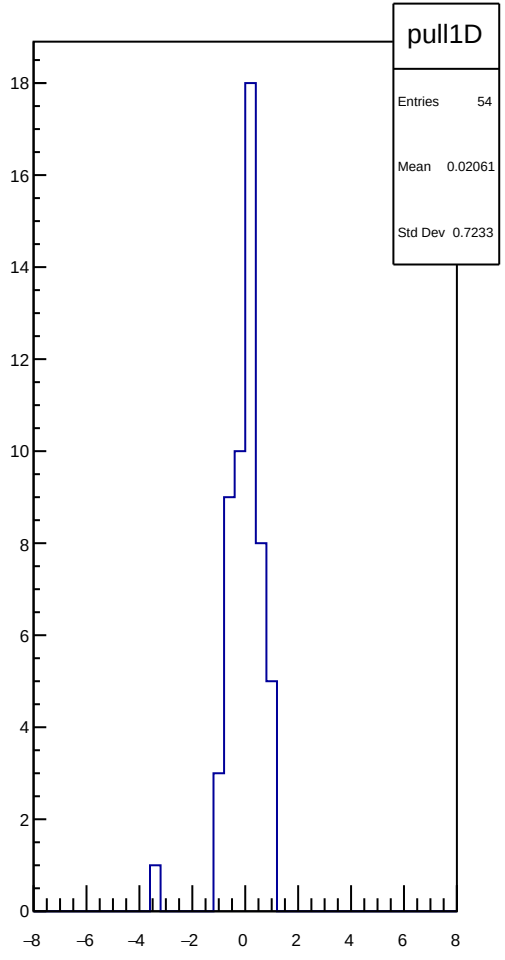

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 47.42 / 53
p0 17.47 ± 0.1502
pull
Entries 54
Mean 95.83
Std Dev 0

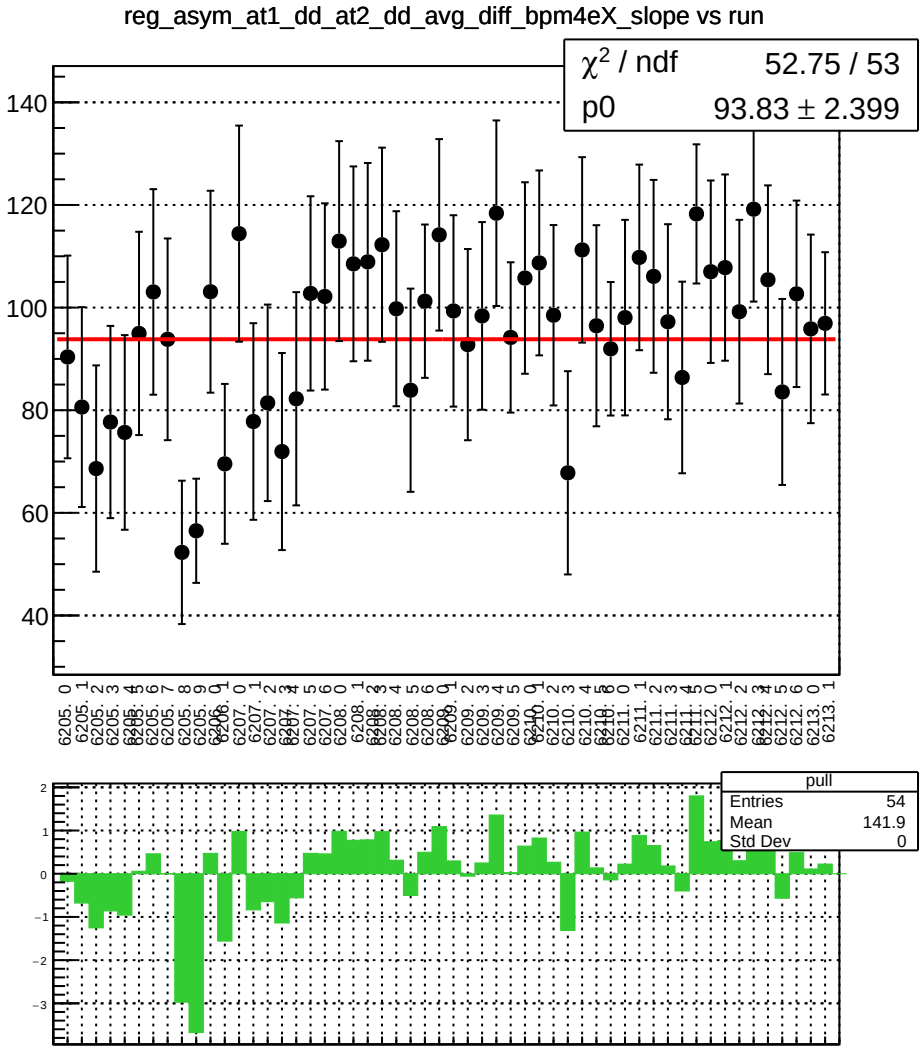

pull1D
Entries 54
Mean 0.007356
Std Dev 0.937

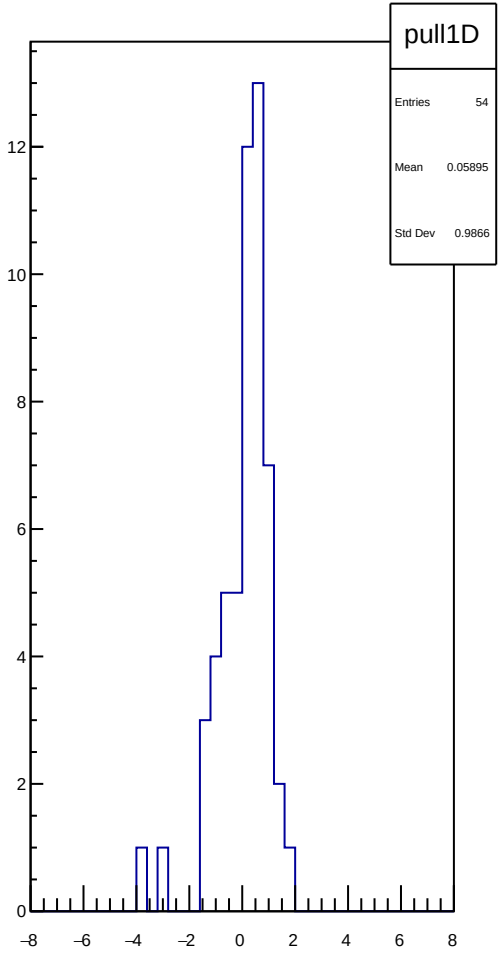

reg_asym_at1_dd_at2_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 51 / 53
p0 −23.05 ± 2.193
pull
Entries 54
Mean 142.2
Std Dev 0

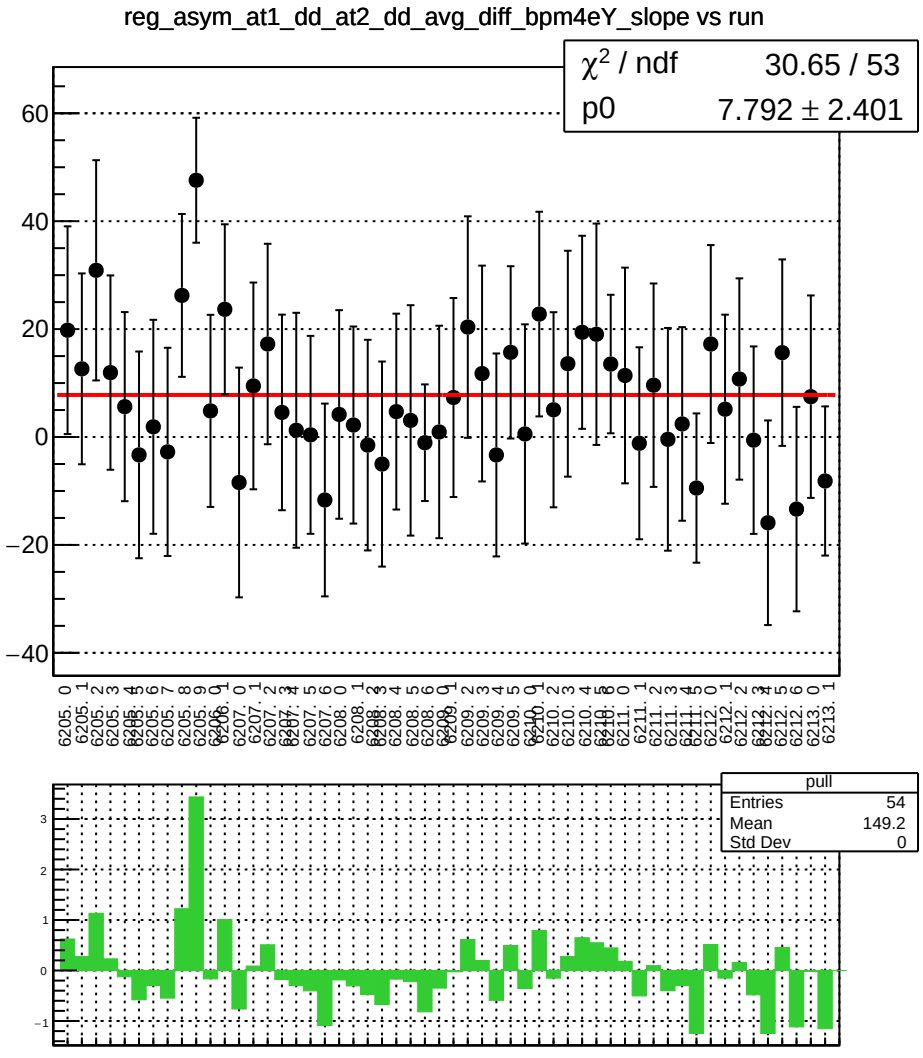

pull1D
Entries 54
Mean −0.05348
Std Dev 0.9704

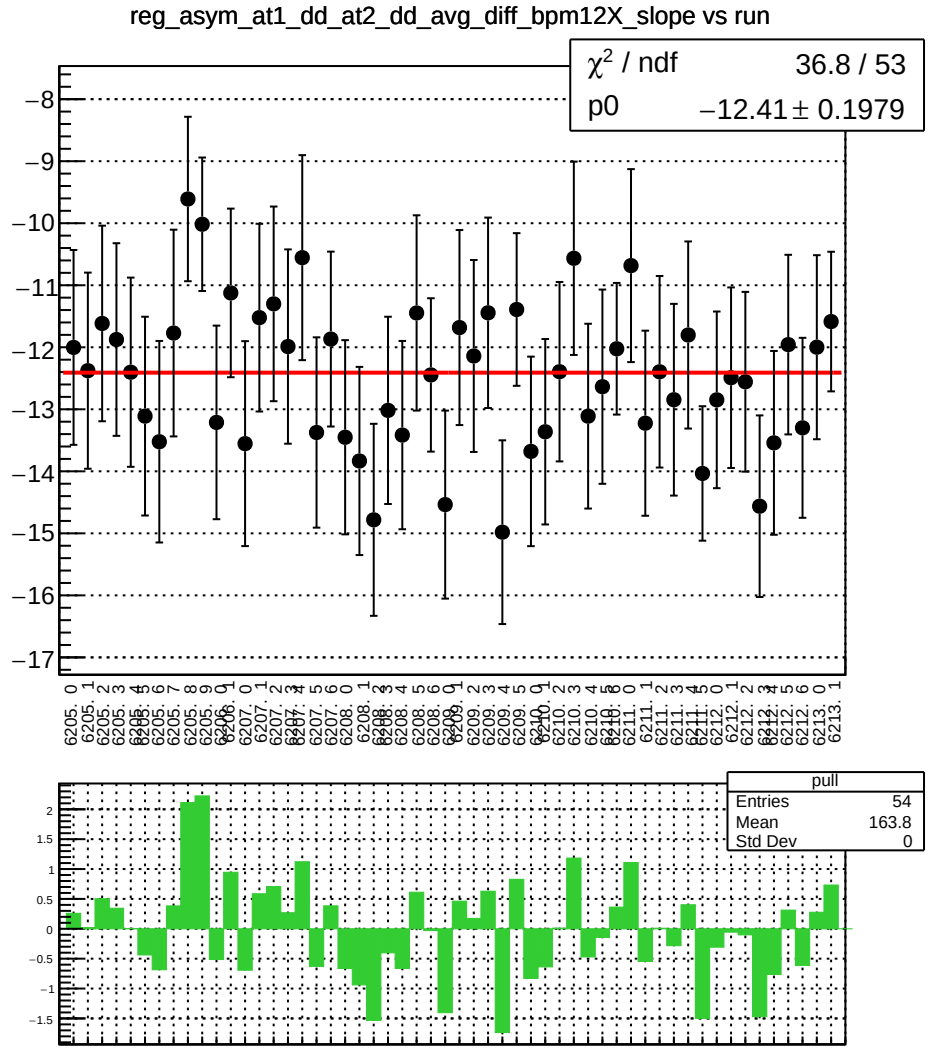

reg_asym_at1_dd_at2_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 28.27 / 53
p0 −0.2453 ± 2.153
pull
Entries 54
Mean 158.4
Std Dev 0

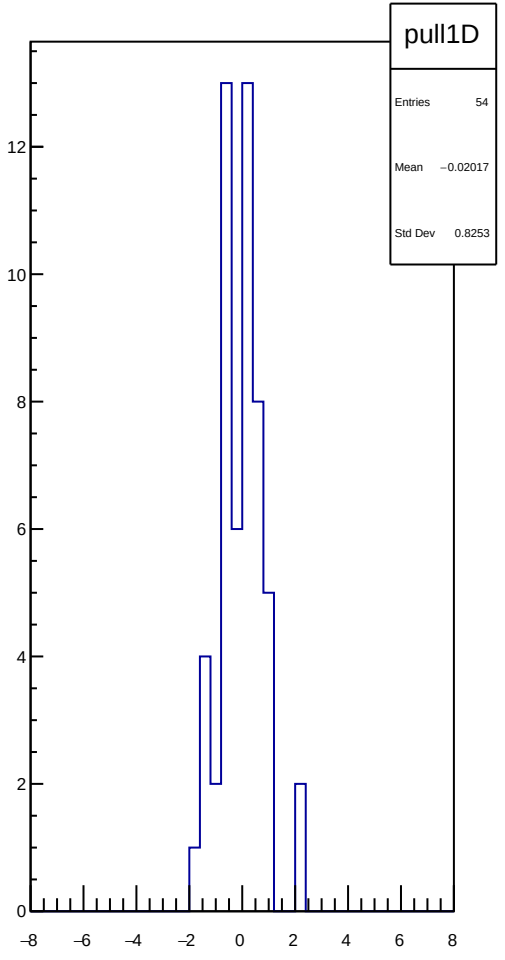

pull1D
Entries 54
Mean 0.02061
Std Dev 0.7233

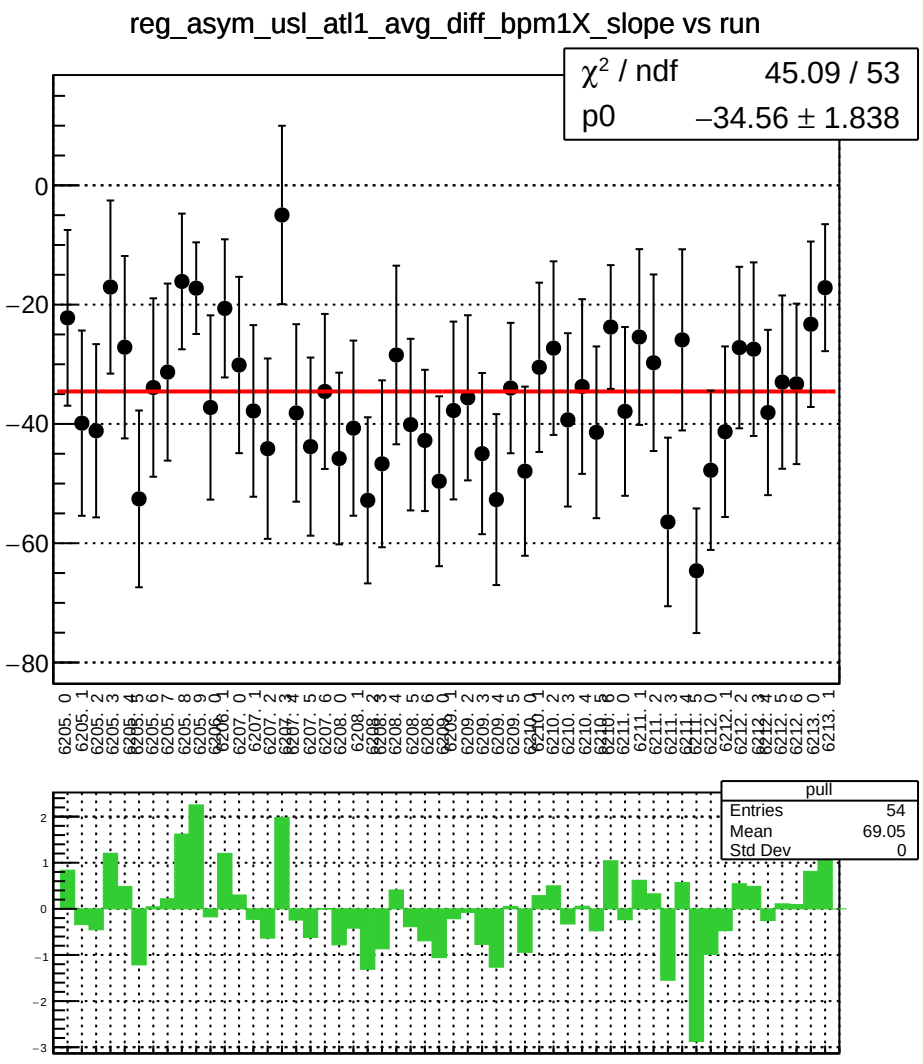

reg_asym_at1_dd_at2_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 52.75 / 53
p0 93.83 ± 2.399
pull
Entries 54
Mean 141.9
Std Dev 0

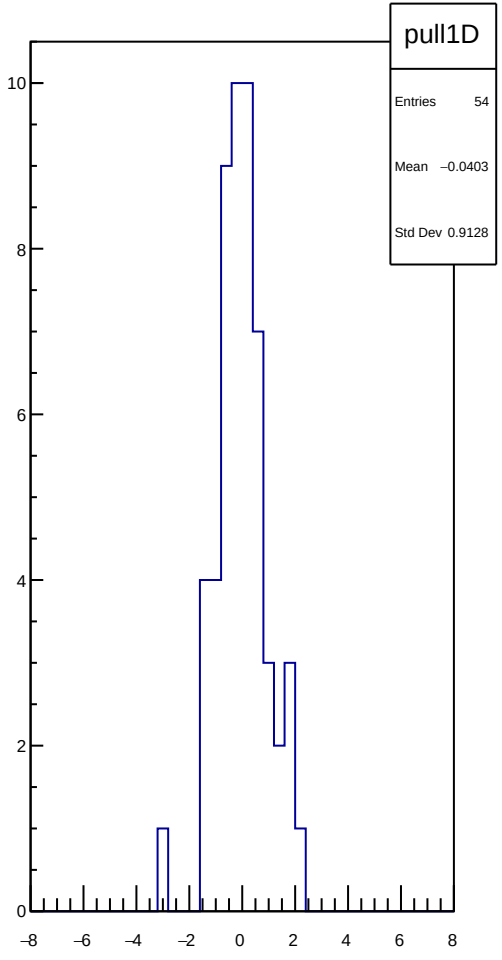

pull1D
Entries 54
Mean 0.05895
Std Dev 0.9866

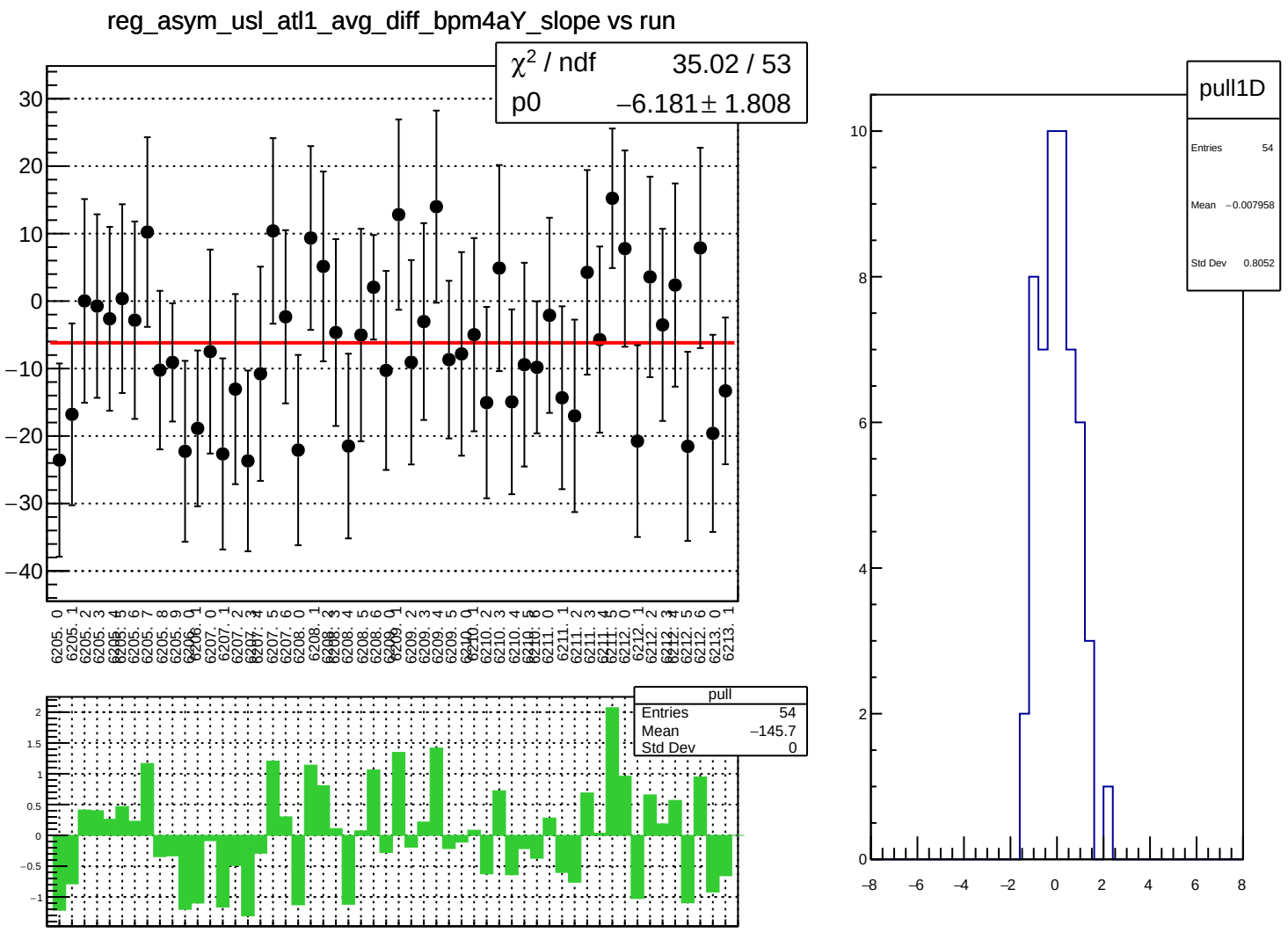

reg_asym_at1_dd_at2_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 30.65 / 53
p0 7.792 ± 2.401
pull
Entries 54
Mean 149.2
Std Dev 0
pull1D
Entries 54
Mean −0.0267
Std Dev 0.7529

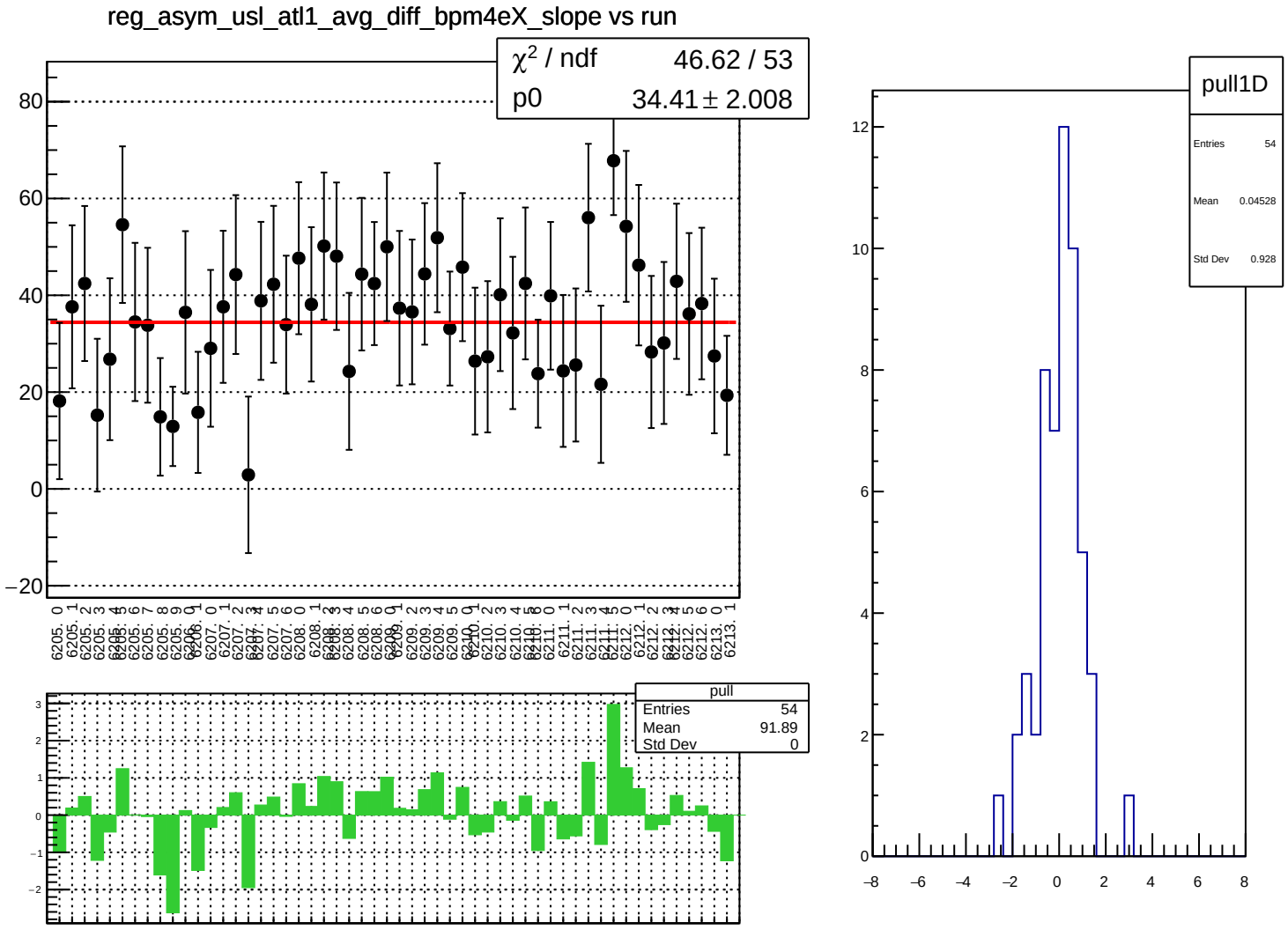

reg_asym_at1_dd_at2_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 36.8 / 53
p0 −12.41 ± 0.1979
pull
Entries 54
Mean 163.8
Std Dev 0

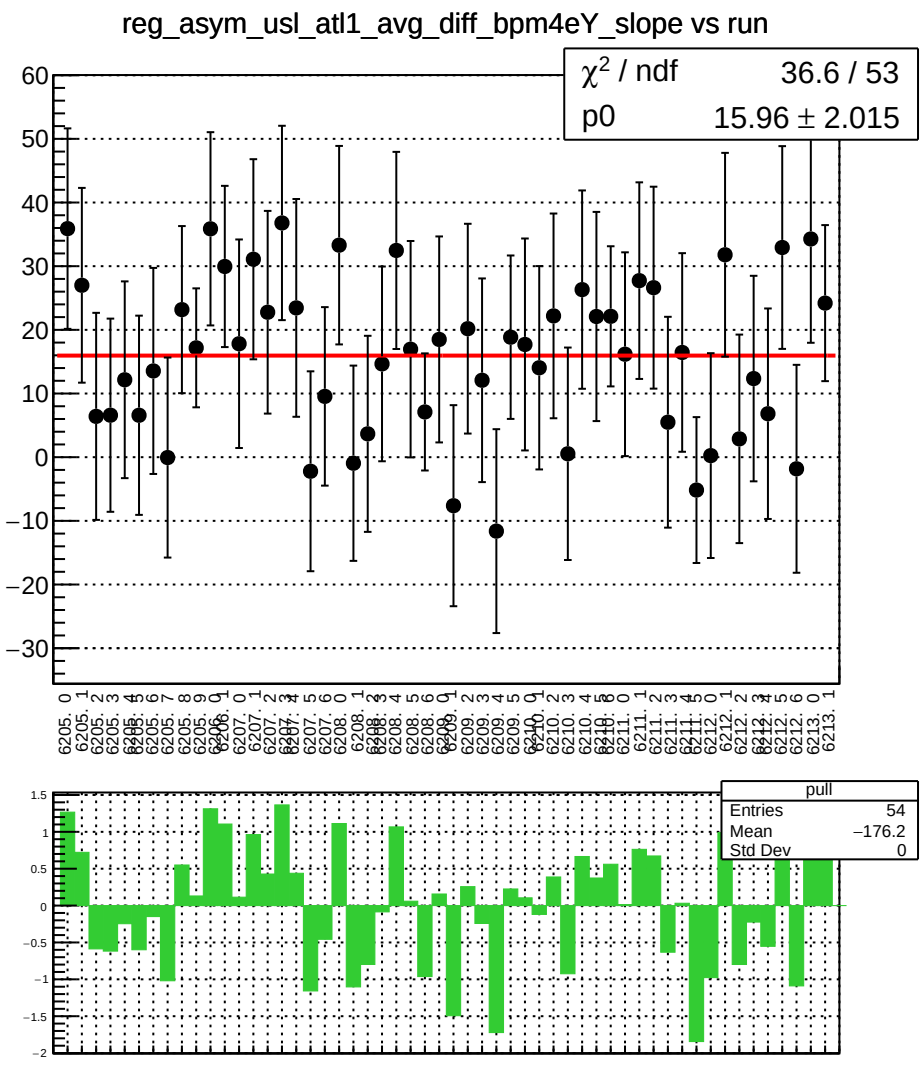

pull1D
Entries 54
Mean −0.02017
Std Dev 0.8253

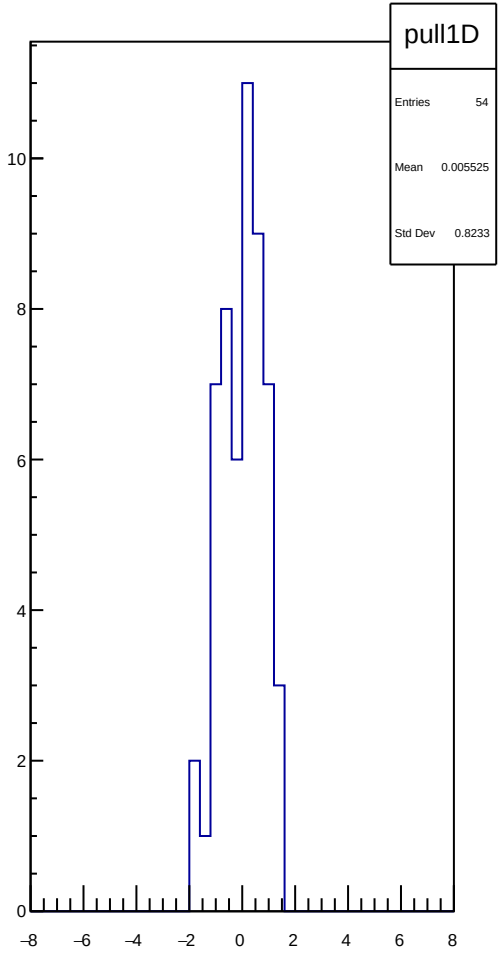

reg_asym_usl_atl1_avg_diff_bpm1X_slope vs run
χ² / ndf 45.09 / 53
p0 −34.56 ± 1.838
pull
Entries 54
Mean 69.05
Std Dev 0

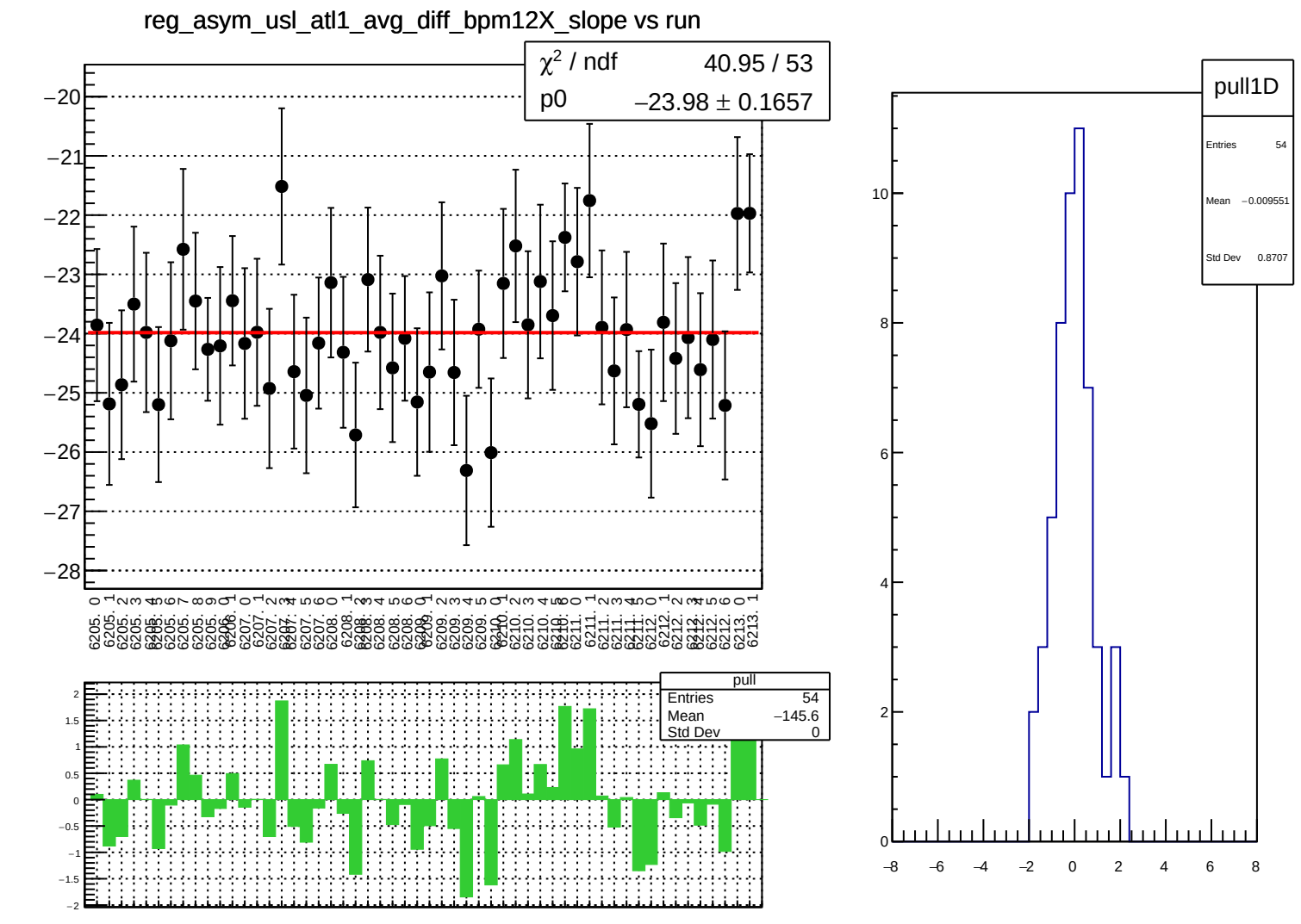

pull1D
Entries 54
Mean −0.0403
Std Dev 0.9128

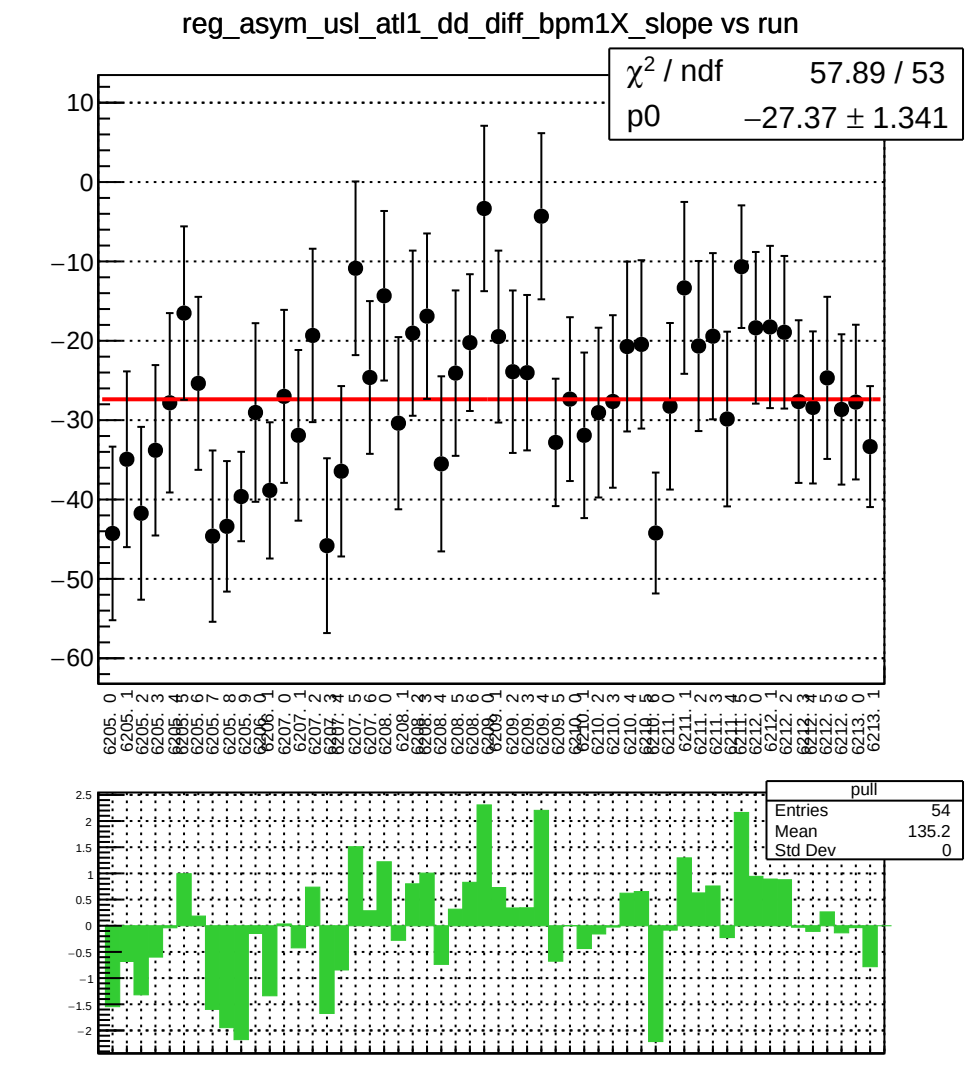

reg_asym_usl_atl1_avg_diff_bpm4aY_slope vs run
χ² / ndf 35.02 / 53
p0 −6.181 ± 1.808
pull
Entries 54
Mean −145.7
Std Dev 0
pull1D
Entries 54
Mean −0.007958
Std Dev 0.8052

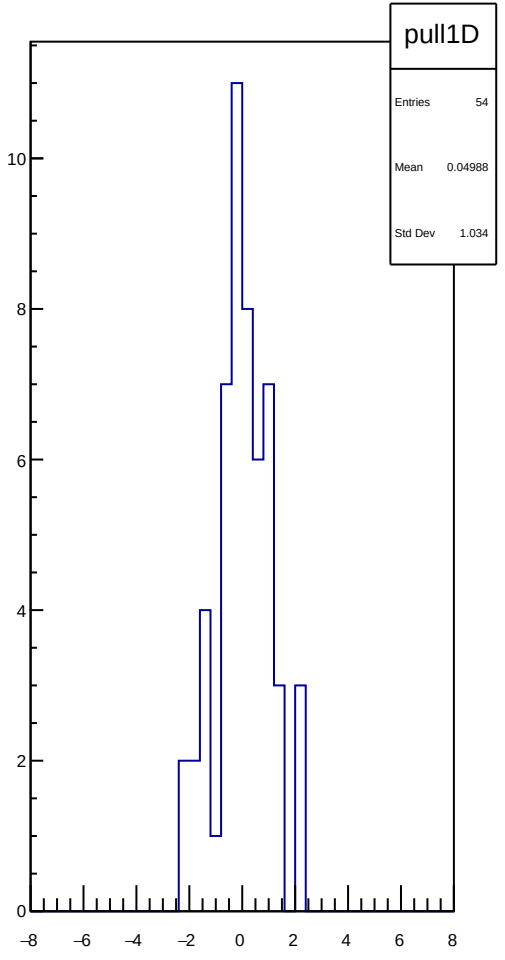

reg_asym_usl_atl1_avg_diff_bpm4eX_slope vs run
χ² / ndf 46.62 / 53
p0 34.41 ± 2.008
pull
Entries 54
Mean 91.89
Std Dev 0
pull1D
Entries 54
Mean 0.04528
Std Dev 0.928

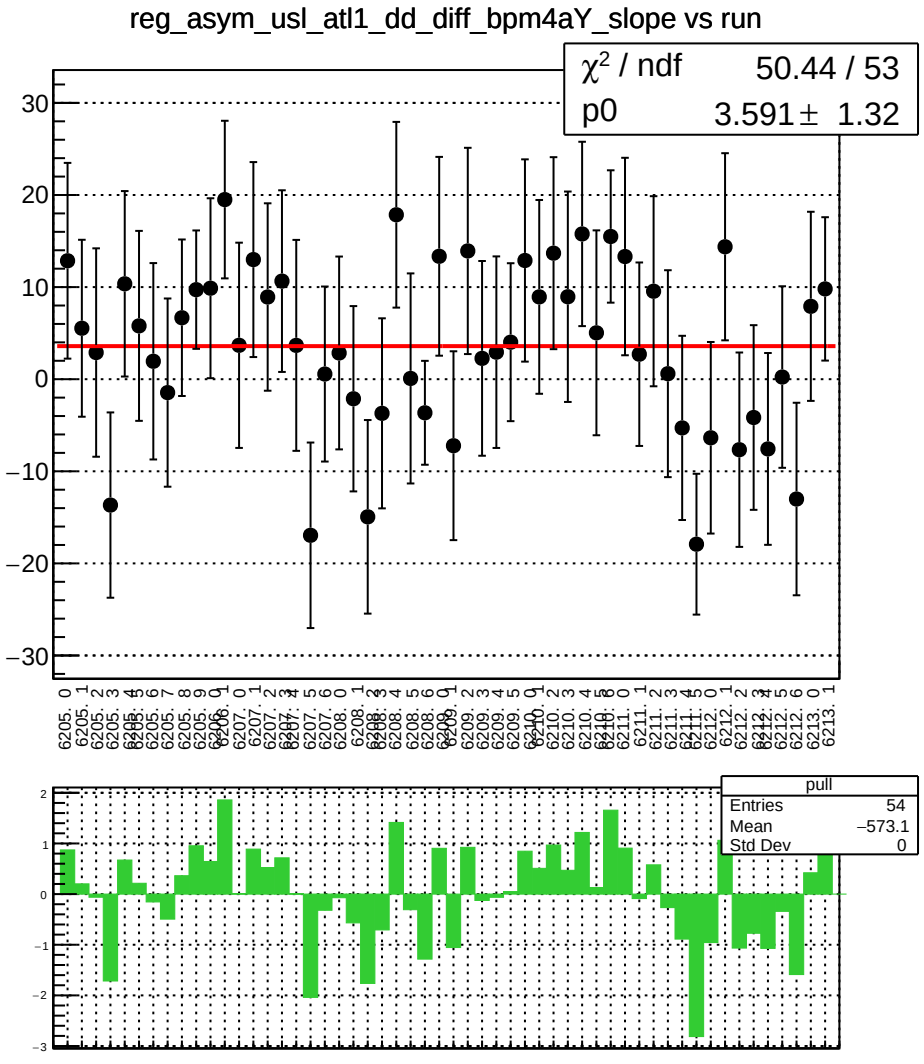

reg_asym_usl_atl1_avg_diff_bpm4eY_slope vs run
χ² / ndf 36.6 / 53
p0 15.96 ± 2.015
pull
Entries 54
Mean −176.2
Std Dev 0

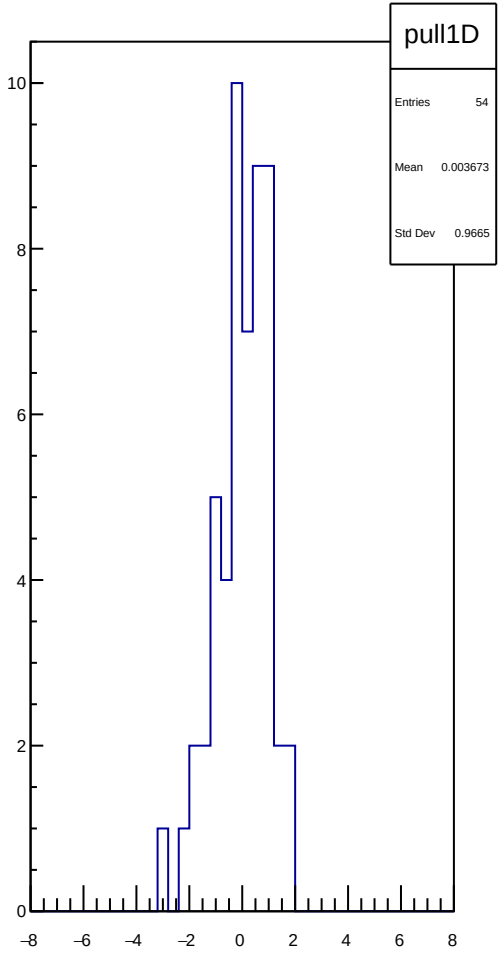

pull1D
Entries 54
Mean 0.005525
Std Dev 0.8233

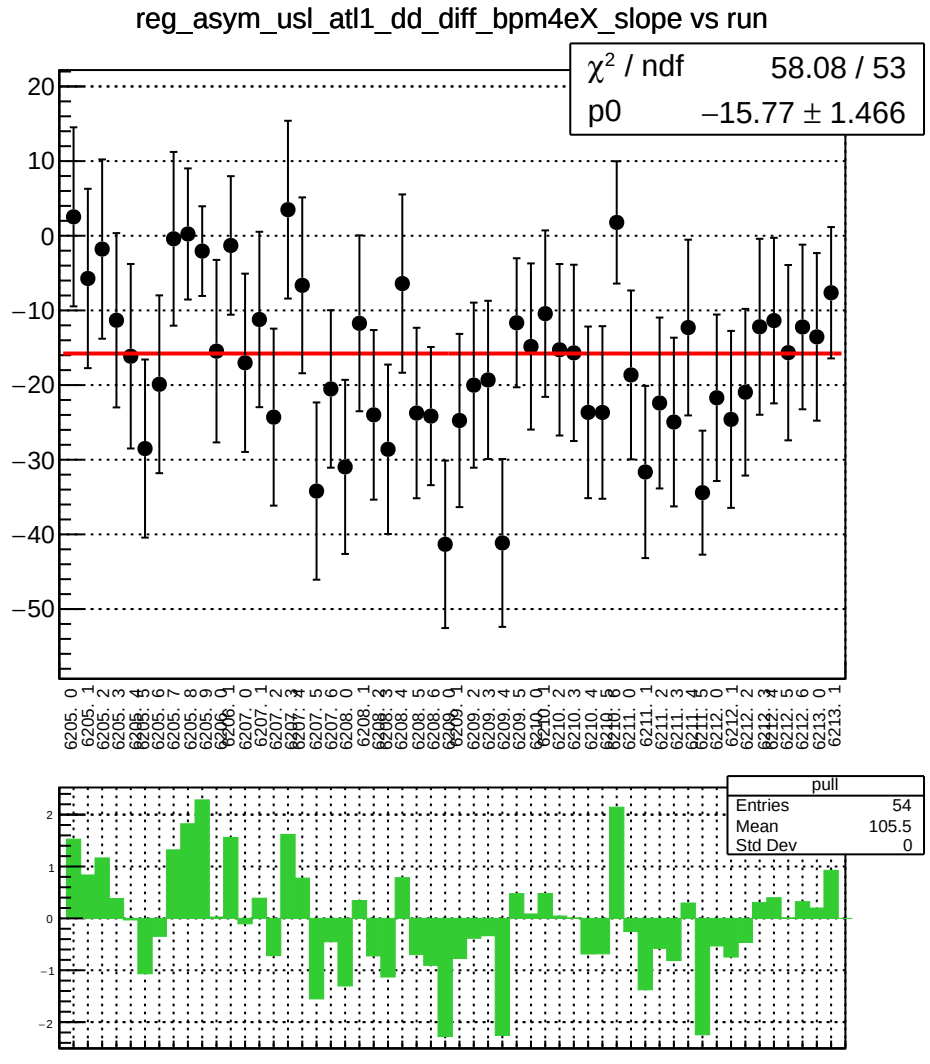

reg_asym_usl_atl1_avg_diff_bpm12X_slope vs run
χ² / ndf 40.95 / 53
p0 −23.98 ± 0.1657
pull
Entries 54
Mean −145.6
Std Dev 0
pull1D
Entries 54
Mean −0.009551
Std Dev 0.8707

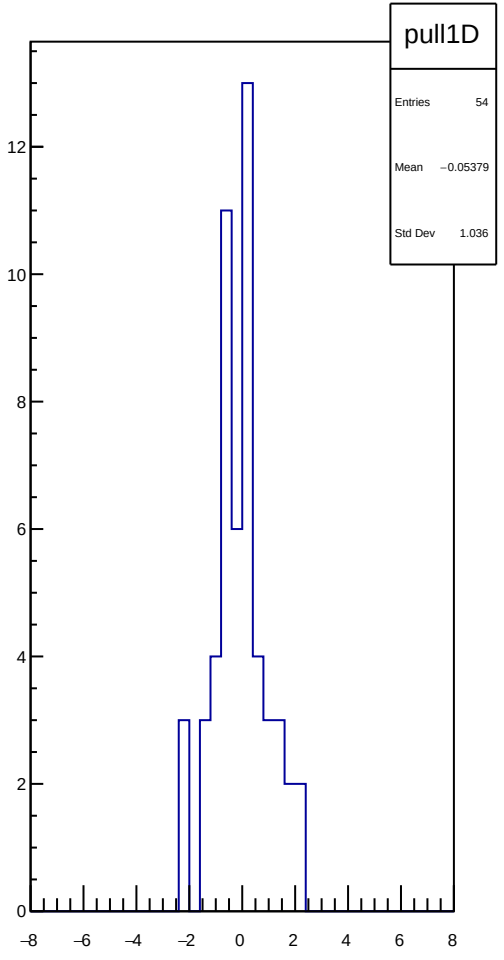

reg_asym_usl_atl1_dd_diff_bpm1X_slope vs run
χ² / ndf 57.89 / 53
p0 −27.37 ± 1.341
pull
Entries 54
Mean 135.2
Std Dev 0

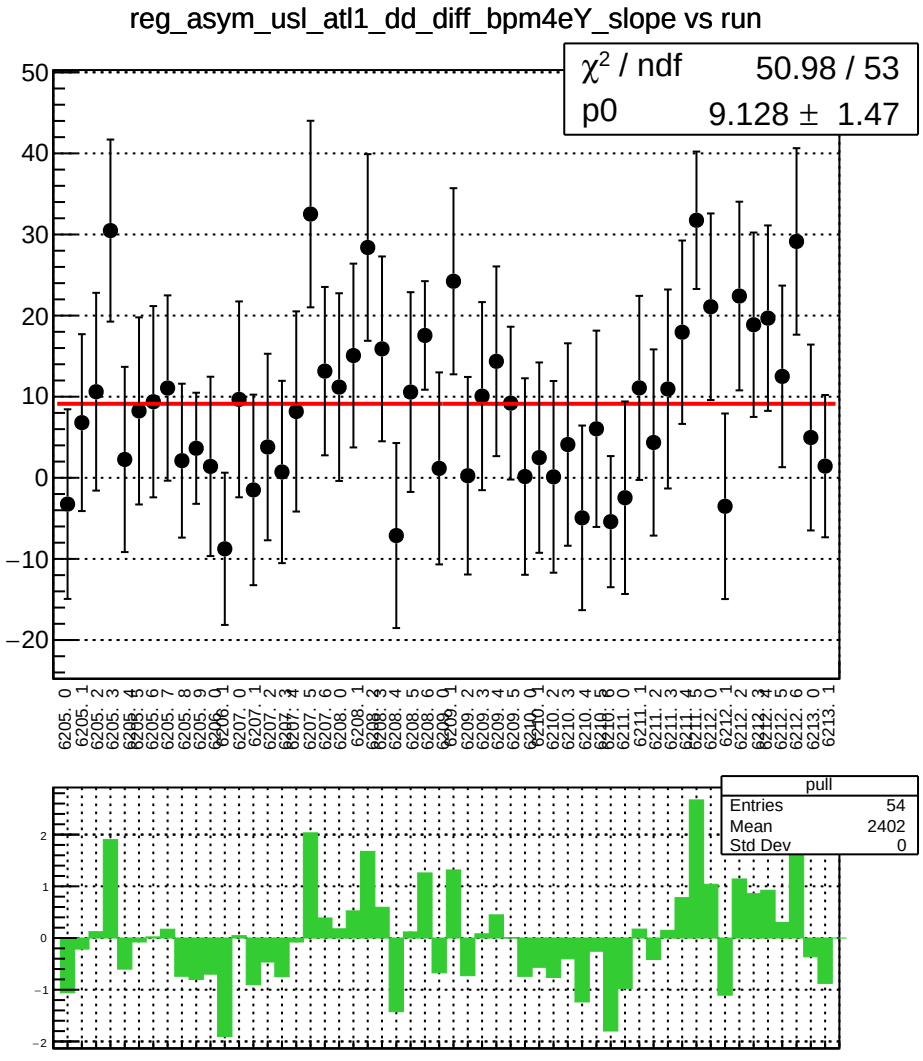

pull1D
Entries 54
Mean 0.04988
Std Dev 1.034

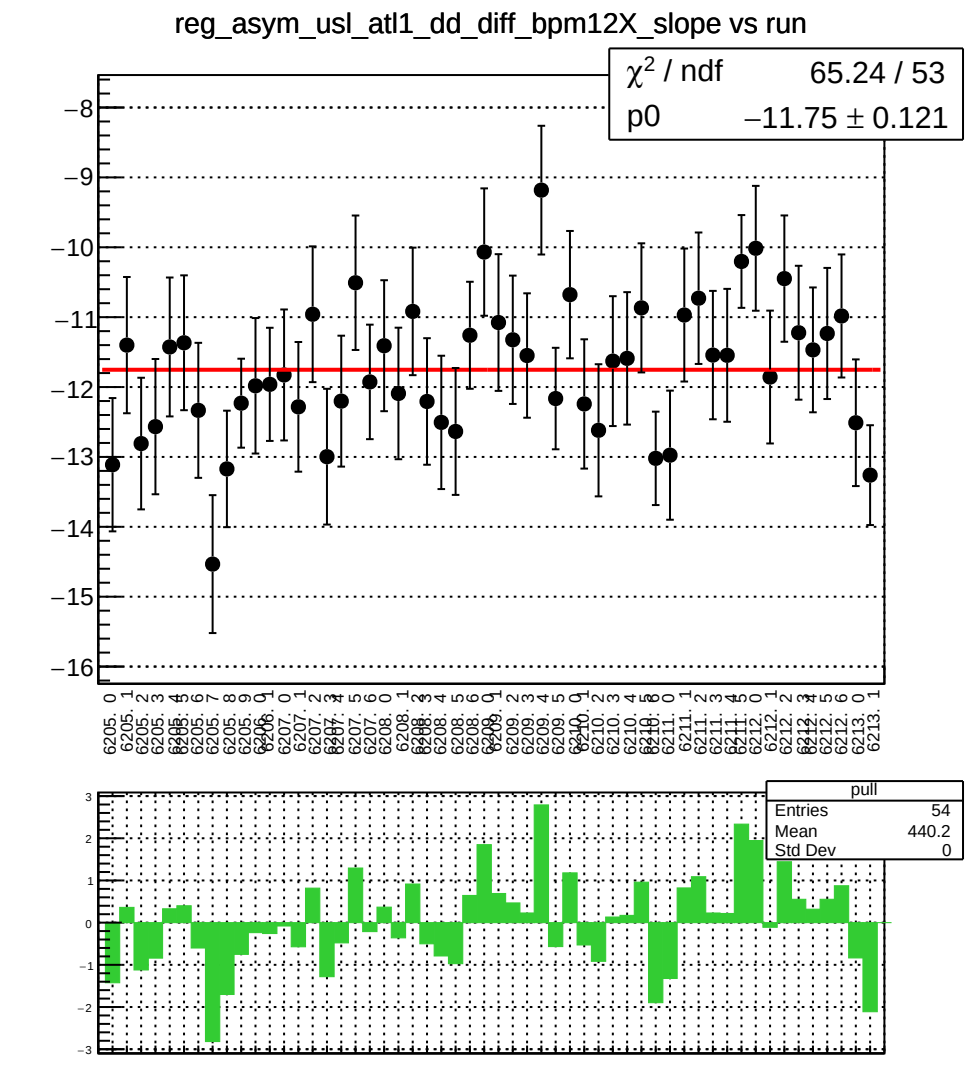

reg_asym_usl_atl1_dd_diff_bpm4aY_slope vs run
χ² / ndf 50.44 / 53
p0 3.591 ± 1.32
pull
Entries 54
Mean −573.1
Std Dev 0

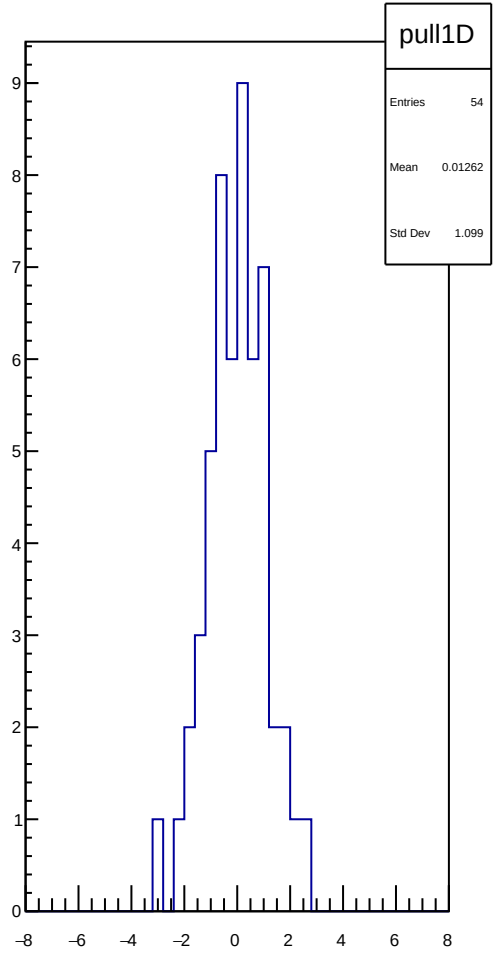

pull1D
Entries 54
Mean 0.003673
Std Dev 0.9665

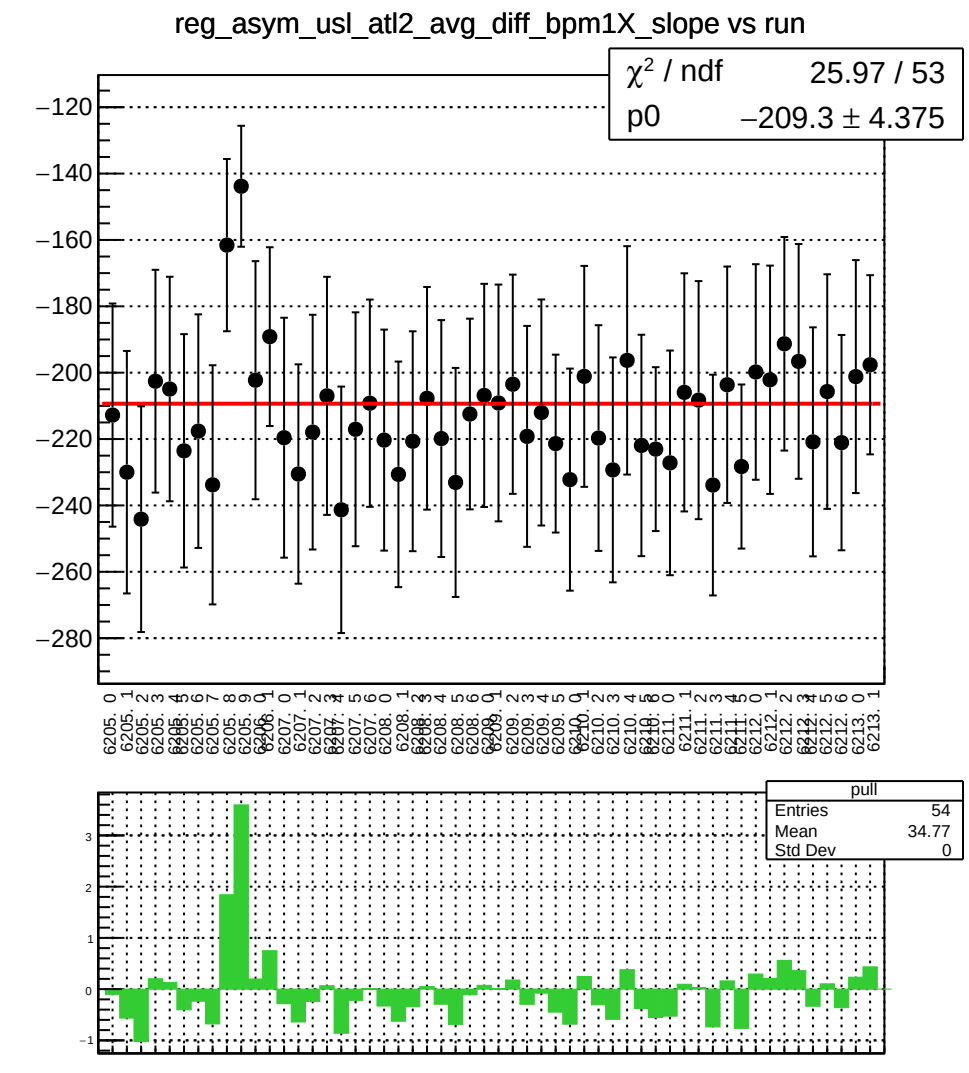

reg_asym_usl_atl1_dd_diff_bpm4eX_slope vs run
χ² / ndf 58.08 / 53
p0 −15.77 ± 1.466
pull
Entries 54
Mean 105.5
Std Dev 0

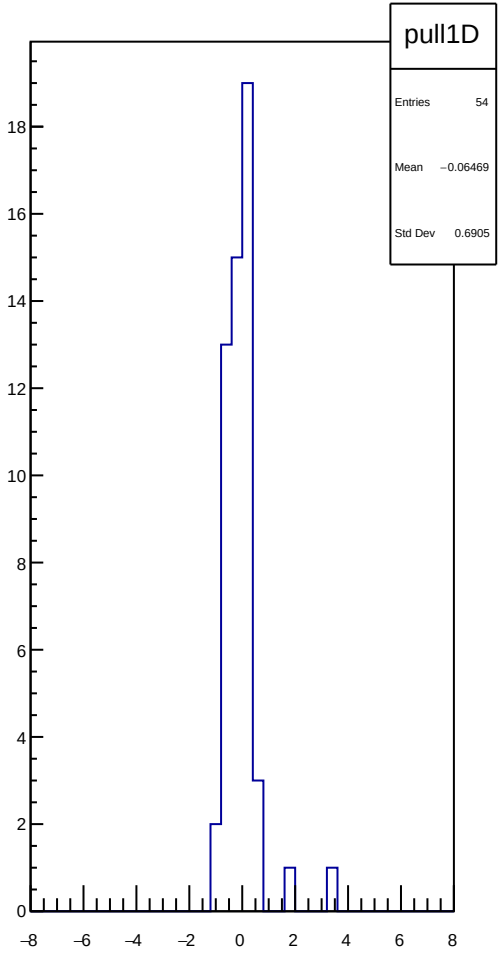

pull1D
Entries 54
Mean −0.05379
Std Dev 1.036

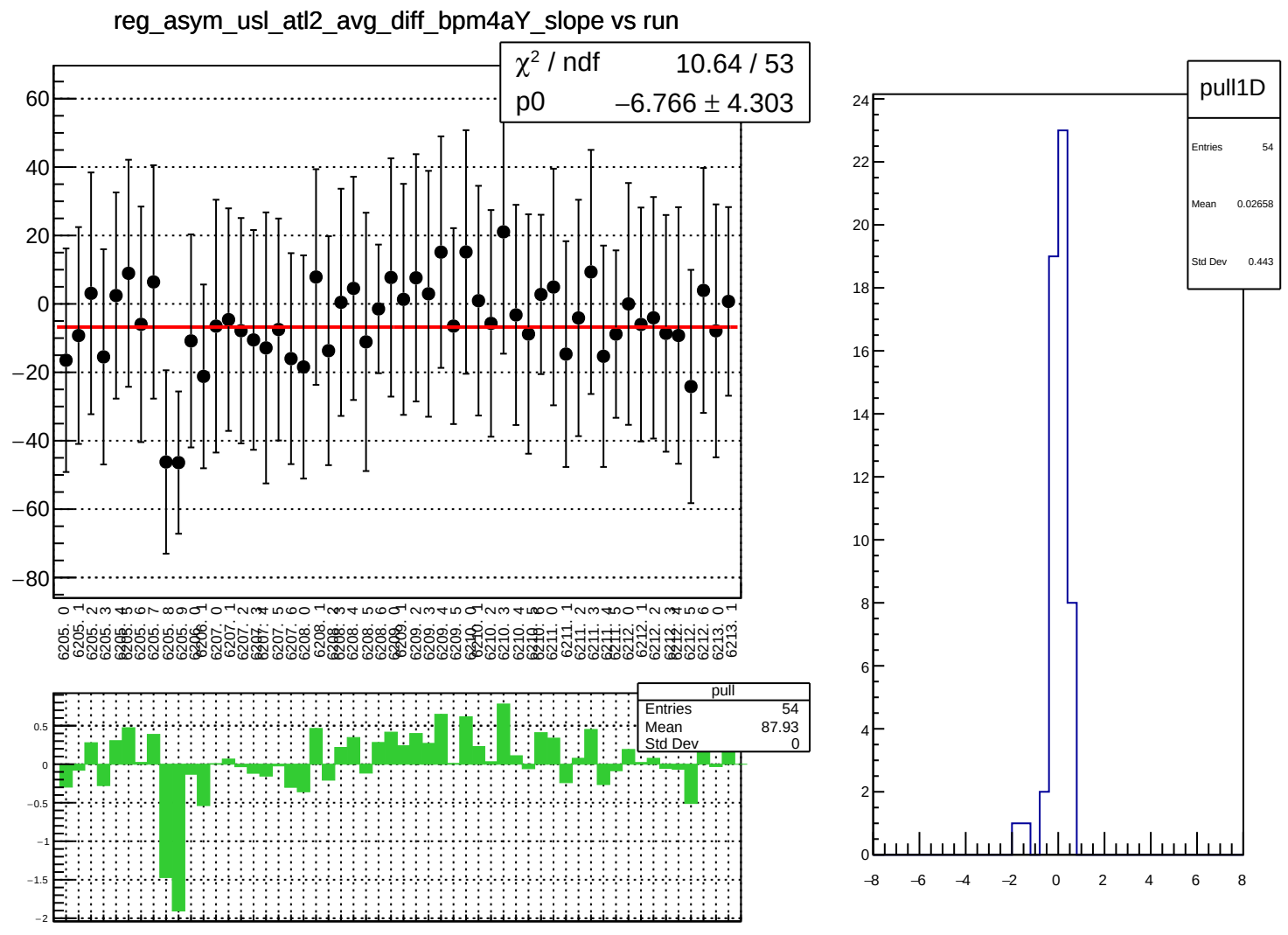

reg_asym_usl_atl1_dd_diff_bpm4eY_slope vs run
χ² / ndf 50.98 / 53
p0 9.128 ± 1.47
pull
Entries 54
Mean 2402
Std Dev 0
pull1D
Entries 54
Mean 0.00101
Std Dev 0.9716

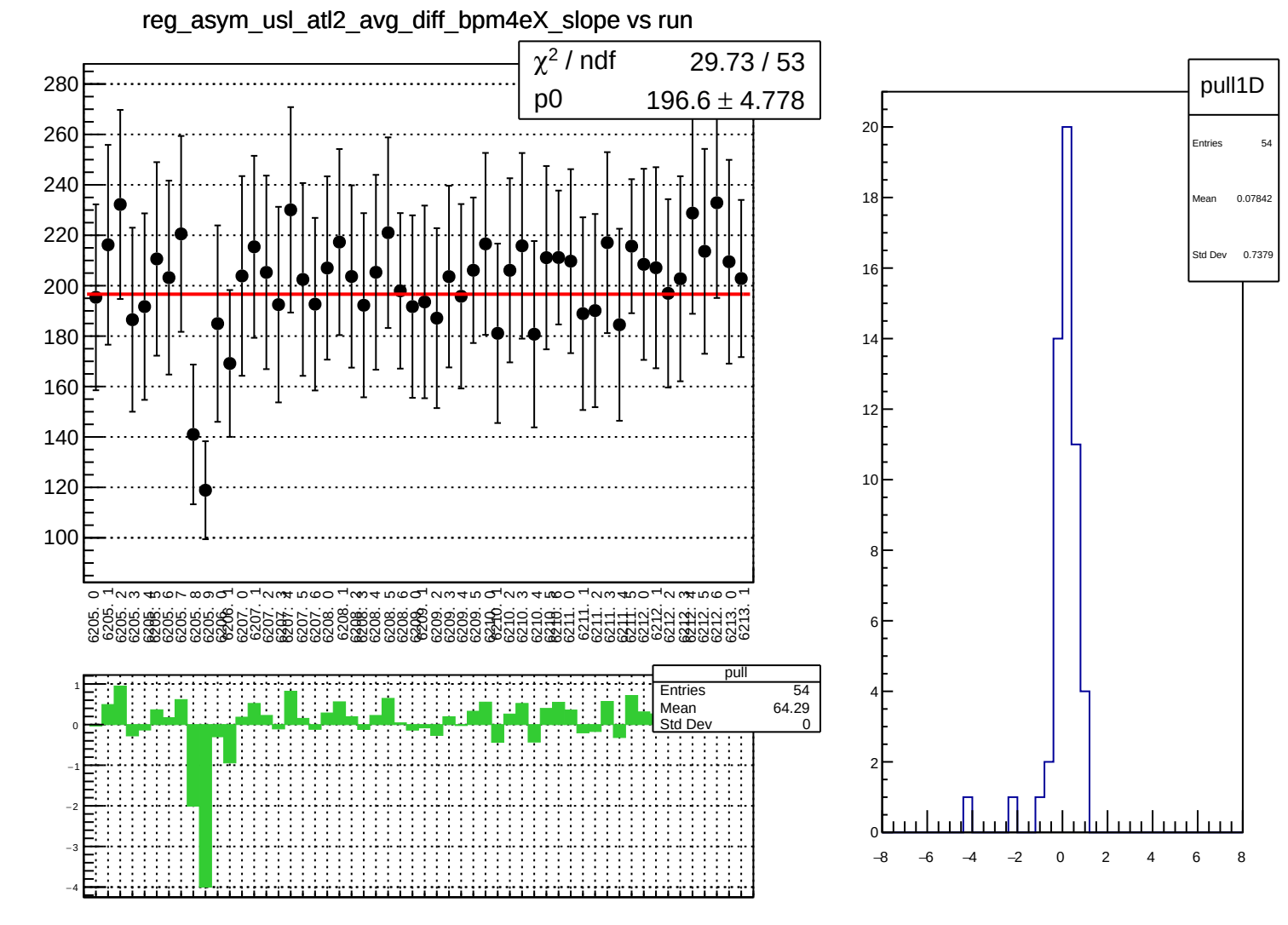

reg_asym_usl_atl1_dd_diff_bpm12X_slope vs run
χ² / ndf 65.24 / 53
p0 −11.75 ± 0.121
pull
Entries 54
Mean 440.2
Std Dev 0

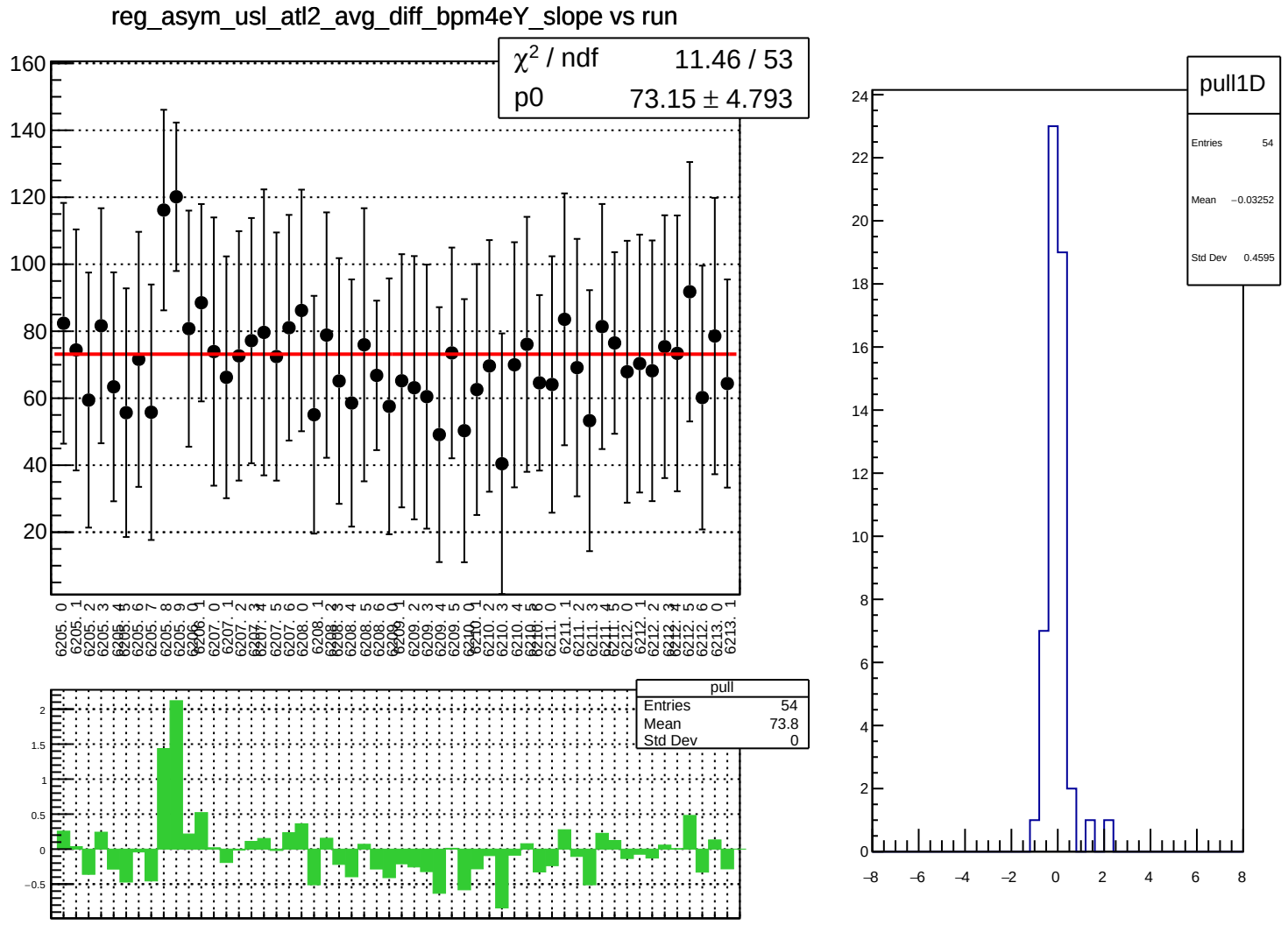

pull1D
Entries 54
Mean 0.01262
Std Dev 1.099

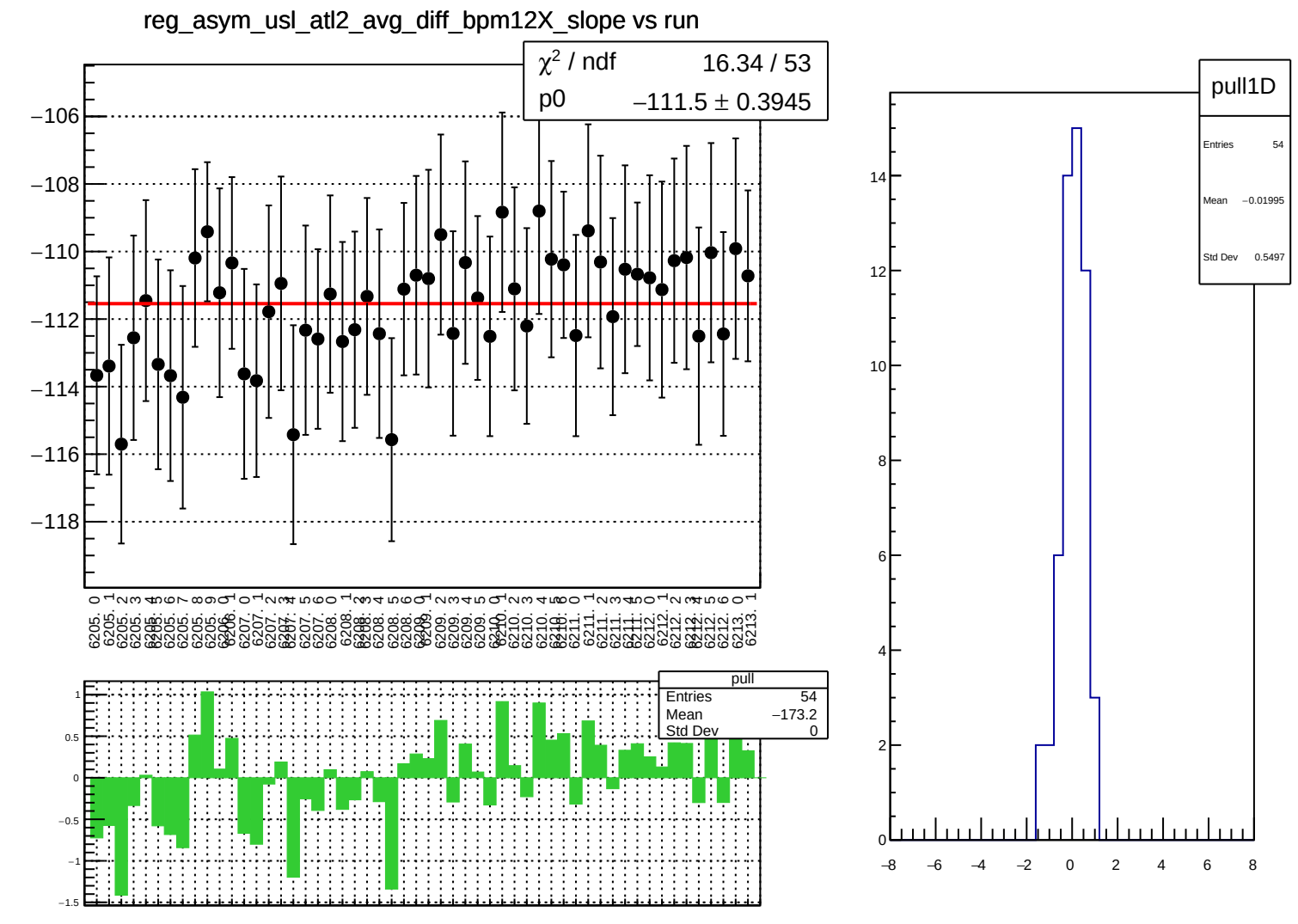

reg_asym_usl_atl2_avg_diff_bpm1X_slope vs run
χ² / ndf 25.97 / 53
p0 −209.3 ± 4.375
pull
Entries 54
Mean 34.77
Std Dev 0

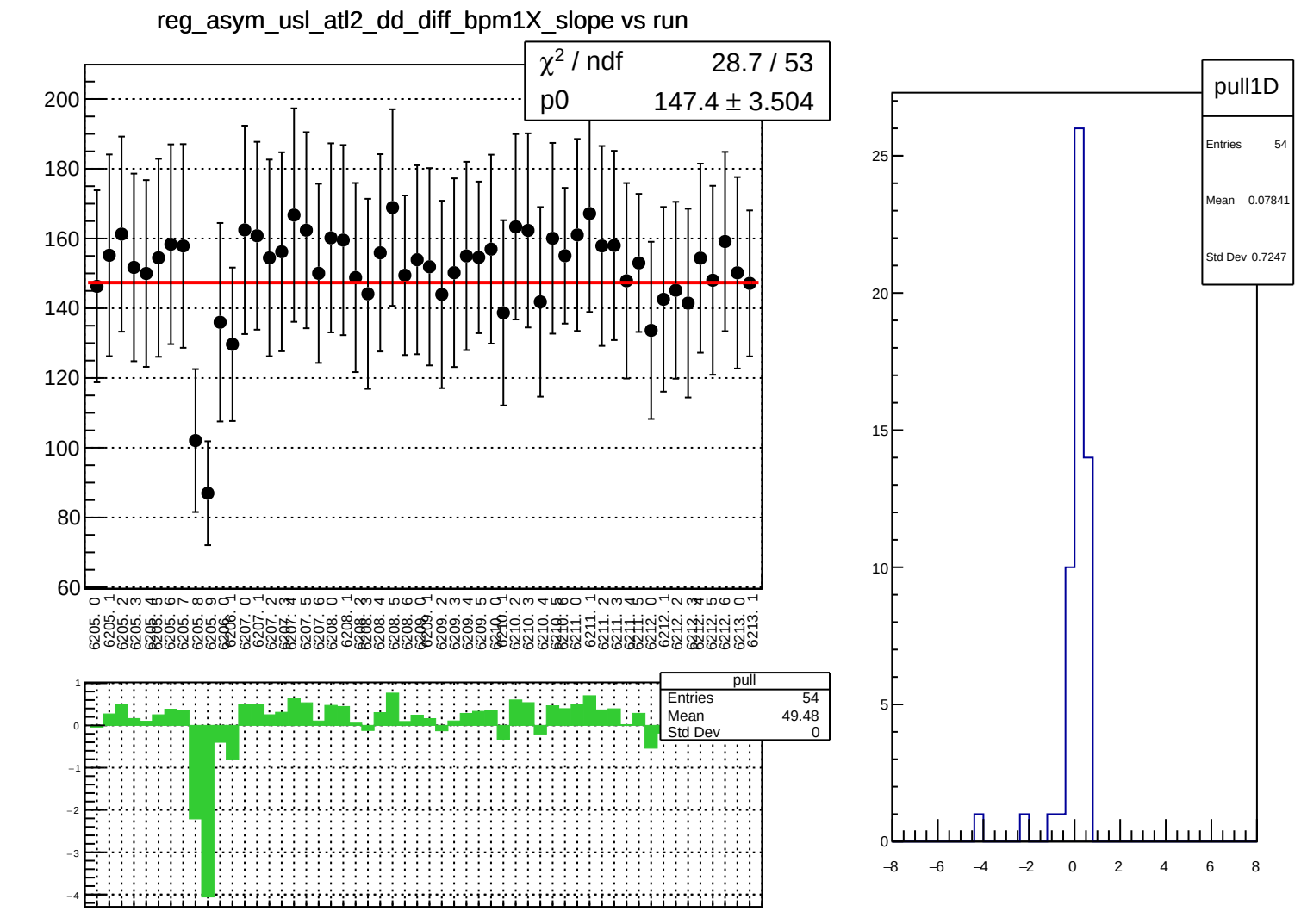

pull1D
Entries 54
Mean −0.06469
Std Dev 0.6905

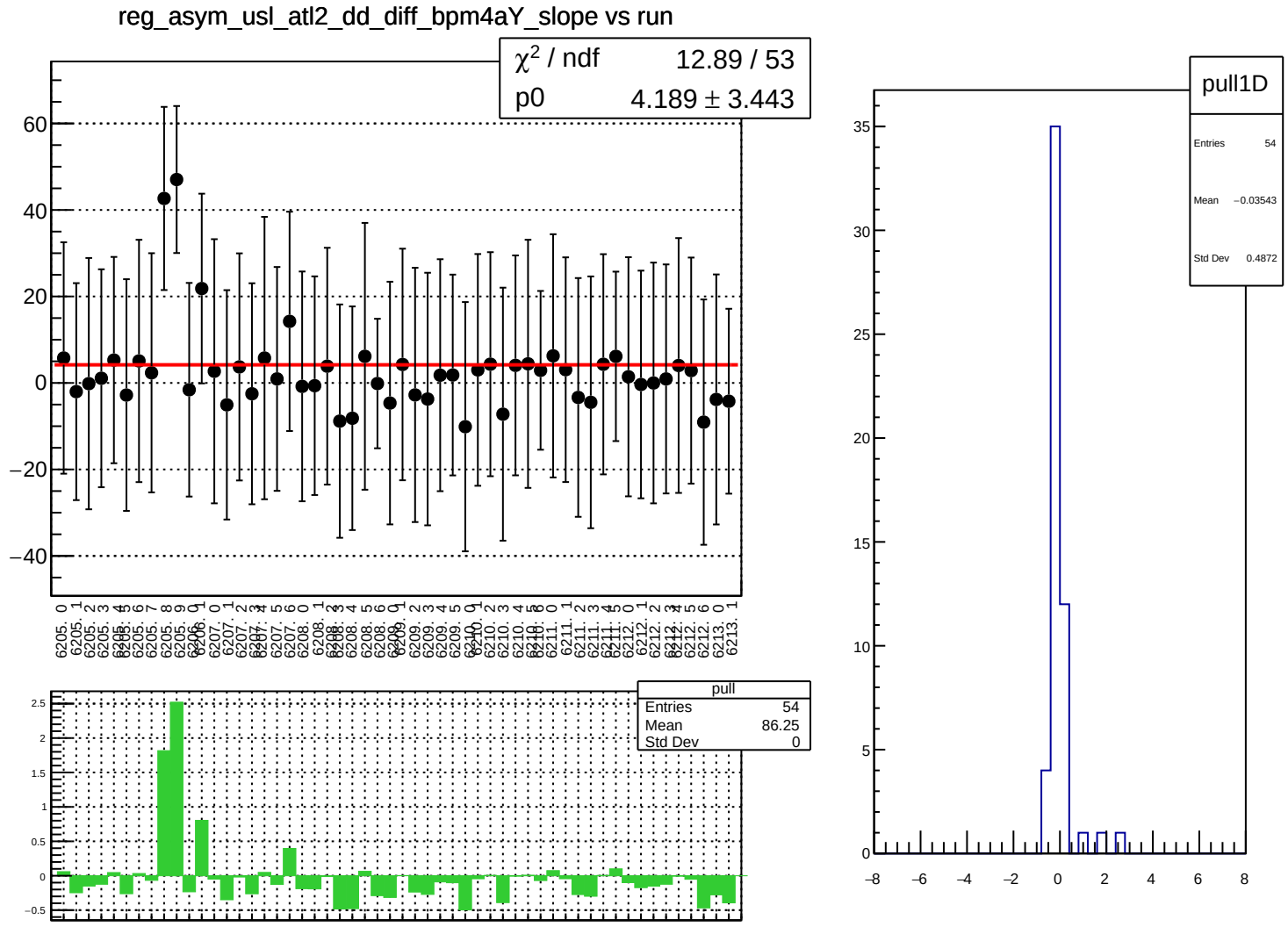

reg_asym_usl_atl2_avg_diff_bpm4aY_slope vs run
χ² / ndf 10.64 / 53
p0 −6.766 ± 4.303
pull
Entries 54
Mean 87.93
Std Dev 0
pull1D
Entries 54
Mean 0.02658
Std Dev 0.443

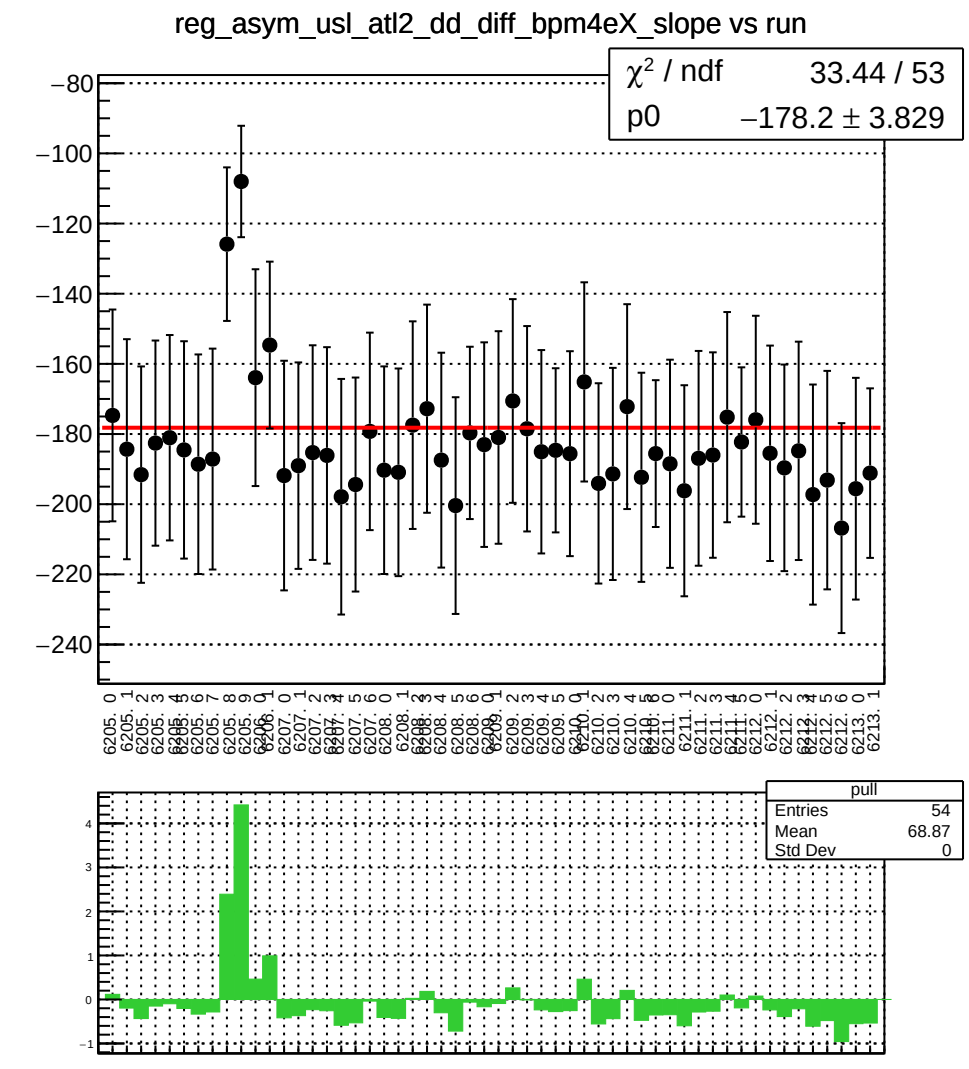

reg_asym_usl_atl2_avg_diff_bpm4eX_slope vs run
χ² / ndf 29.73 / 53
p0 196.6 ± 4.778
pull
Entries 54
Mean 64.29
Std Dev 0
pull1D
Entries 54
Mean 0.07842
Std Dev 0.7379

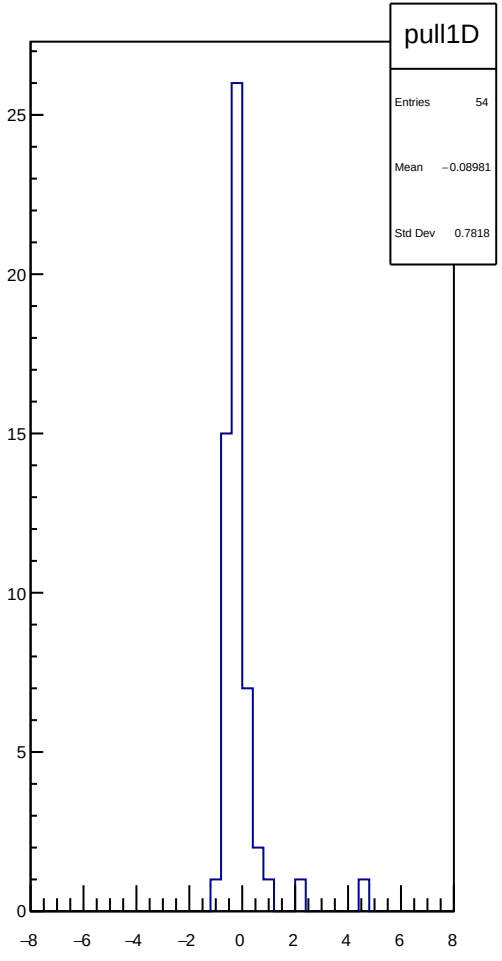

reg_asym_usl_atl2_avg_diff_bpm4eY_slope vs run
χ² / ndf 11.46 / 53
p0 73.15 ± 4.793
pull
Entries 54
Mean 73.8
Std Dev 0
pull1D
Entries 54
Mean −0.03252
Std Dev 0.4595

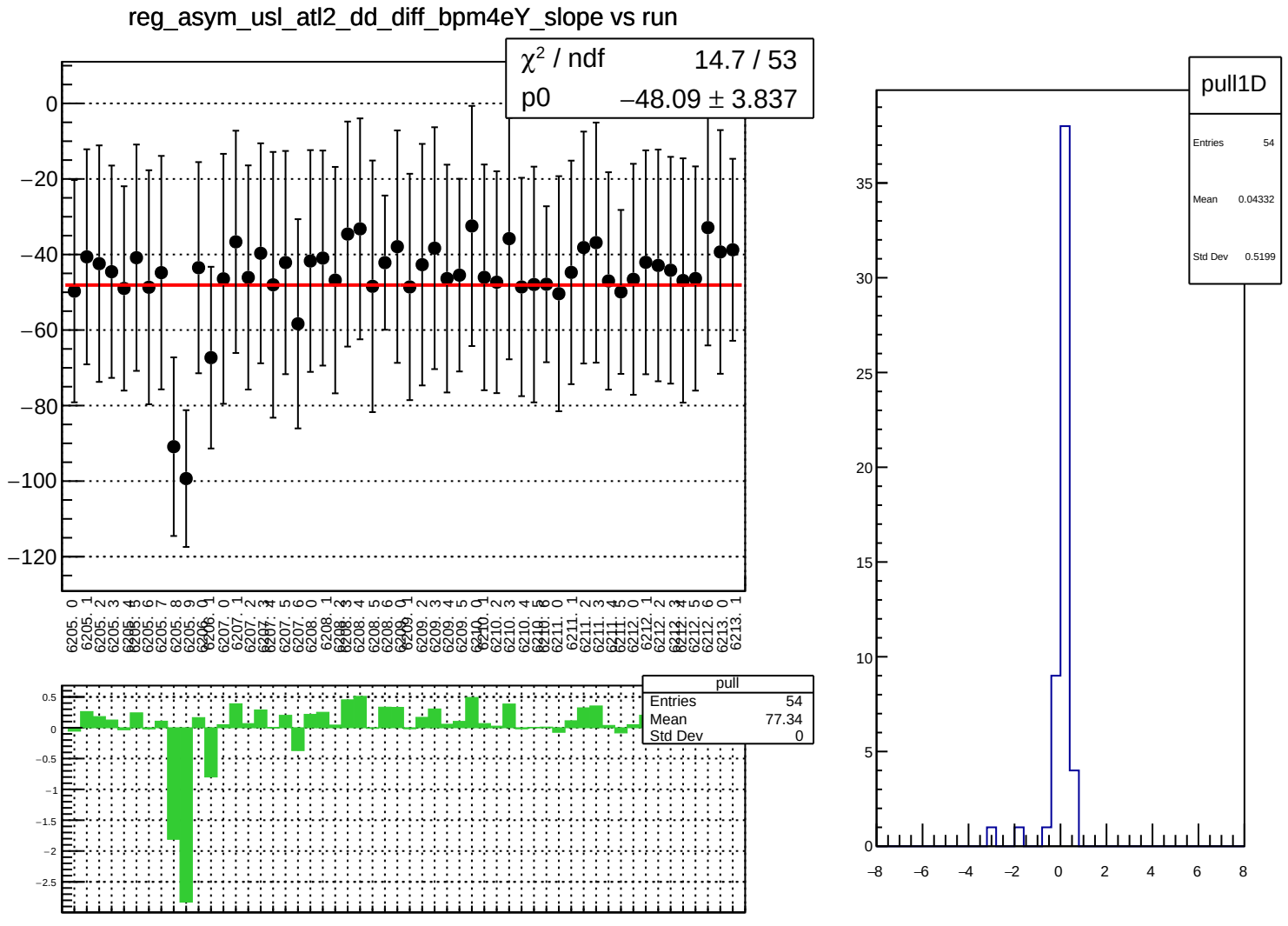

reg_asym_usl_atl2_avg_diff_bpm12X_slope vs run
χ² / ndf 16.34 / 53
p0 −111.5 ± 0.3945
pull
Entries 54
Mean −173.2
Std Dev 0
pull1D
Entries 54
Mean −0.01995
Std Dev 0.5497

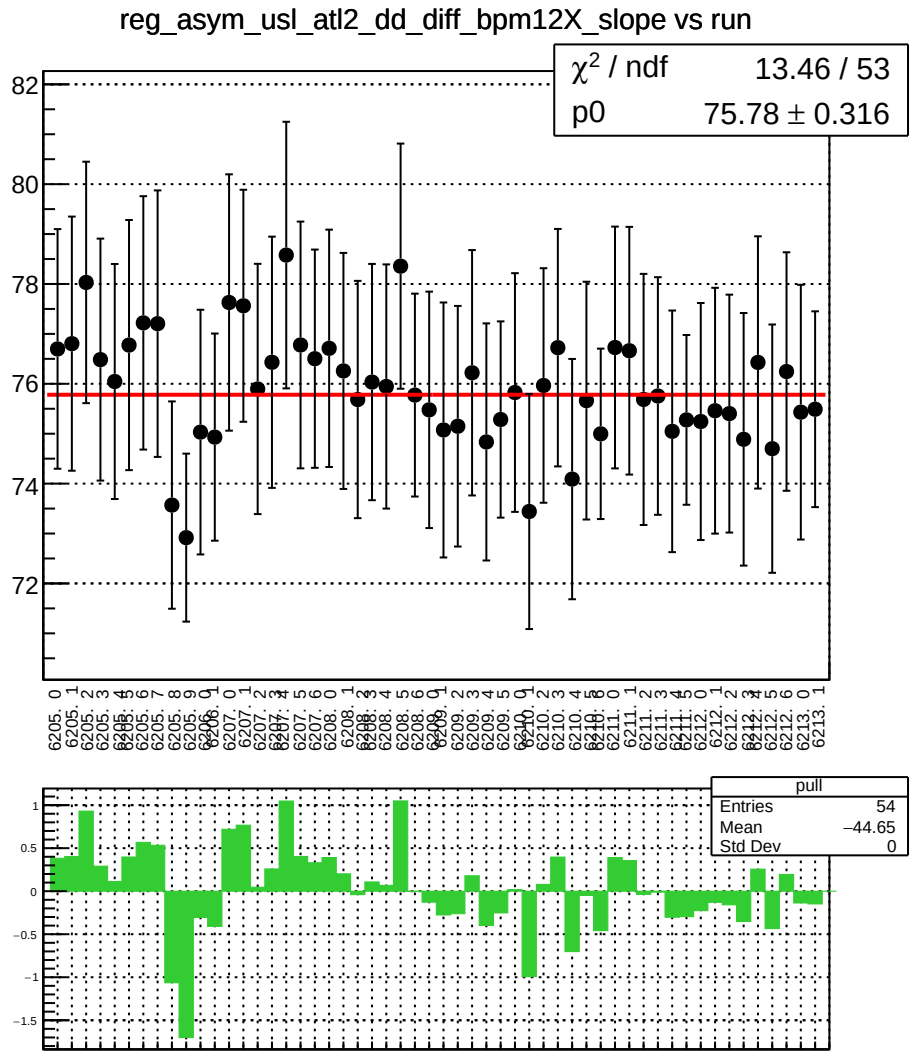

reg_asym_usl_atl2_dd_diff_bpm1X_slope vs run
χ² / ndf 28.7 / 53
p0 147.4 ± 3.504
pull
Entries 54
Mean 49.48
Std Dev 0
pull1D
Entries 54
Mean 0.07841
Std Dev 0.7247

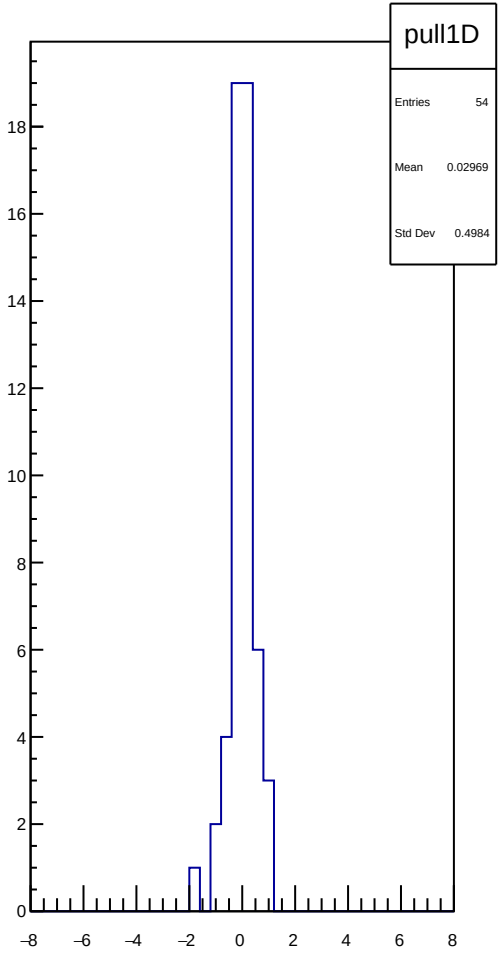

reg_asym_usl_atl2_dd_diff_bpm4aY_slope vs run
χ² / ndf 12.89 / 53
p0 4.189 ± 3.443
pull
Entries 54
Mean 86.25
Std Dev 0
pull1D
Entries 54
Mean −0.03543
Std Dev 0.4872

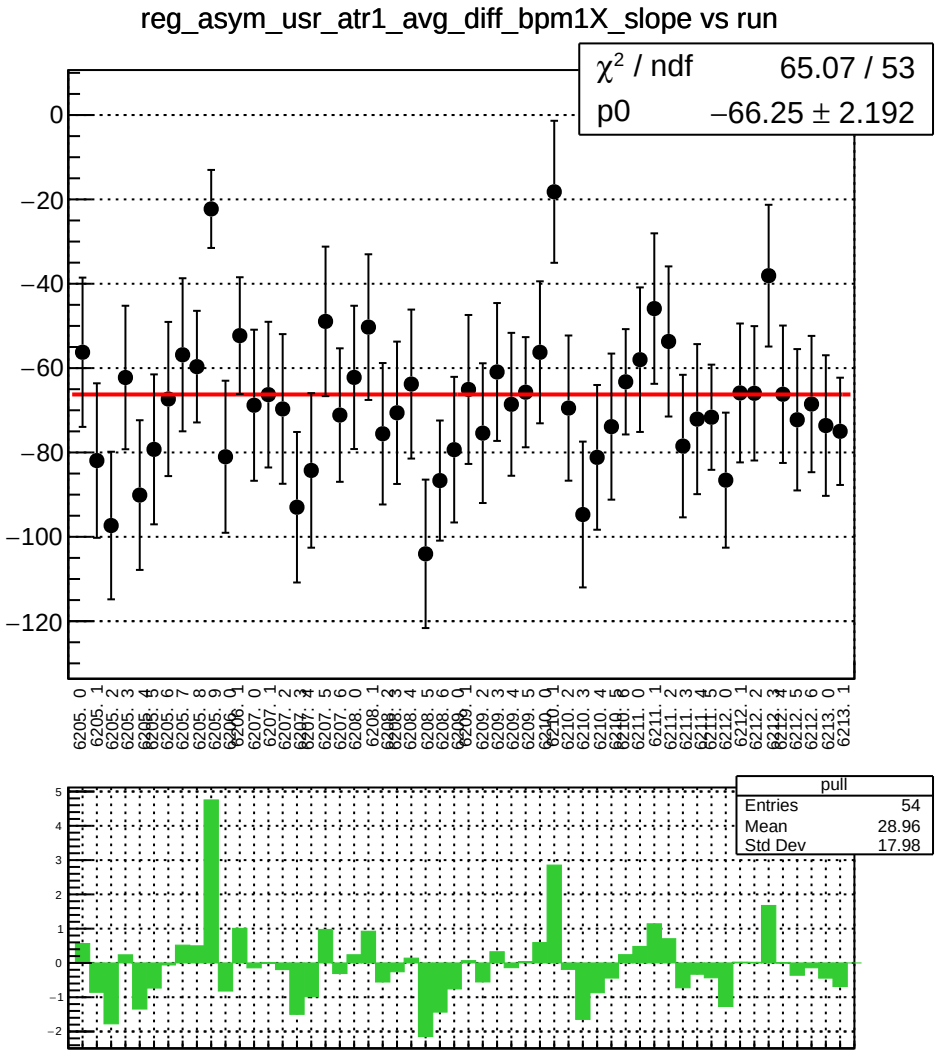

reg_asym_usl_atl2_dd_diff_bpm4eX_slope vs run
χ² / ndf 33.44 / 53
p0 −178.2 ± 3.829
pull
Entries 54
Mean 68.87
Std Dev 0

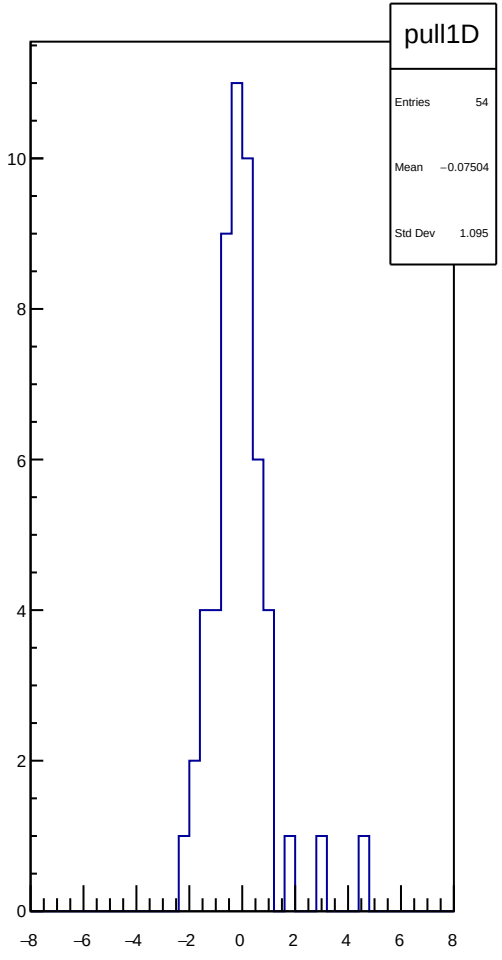

pull1D
Entries 54
Mean −0.08981
Std Dev 0.7818

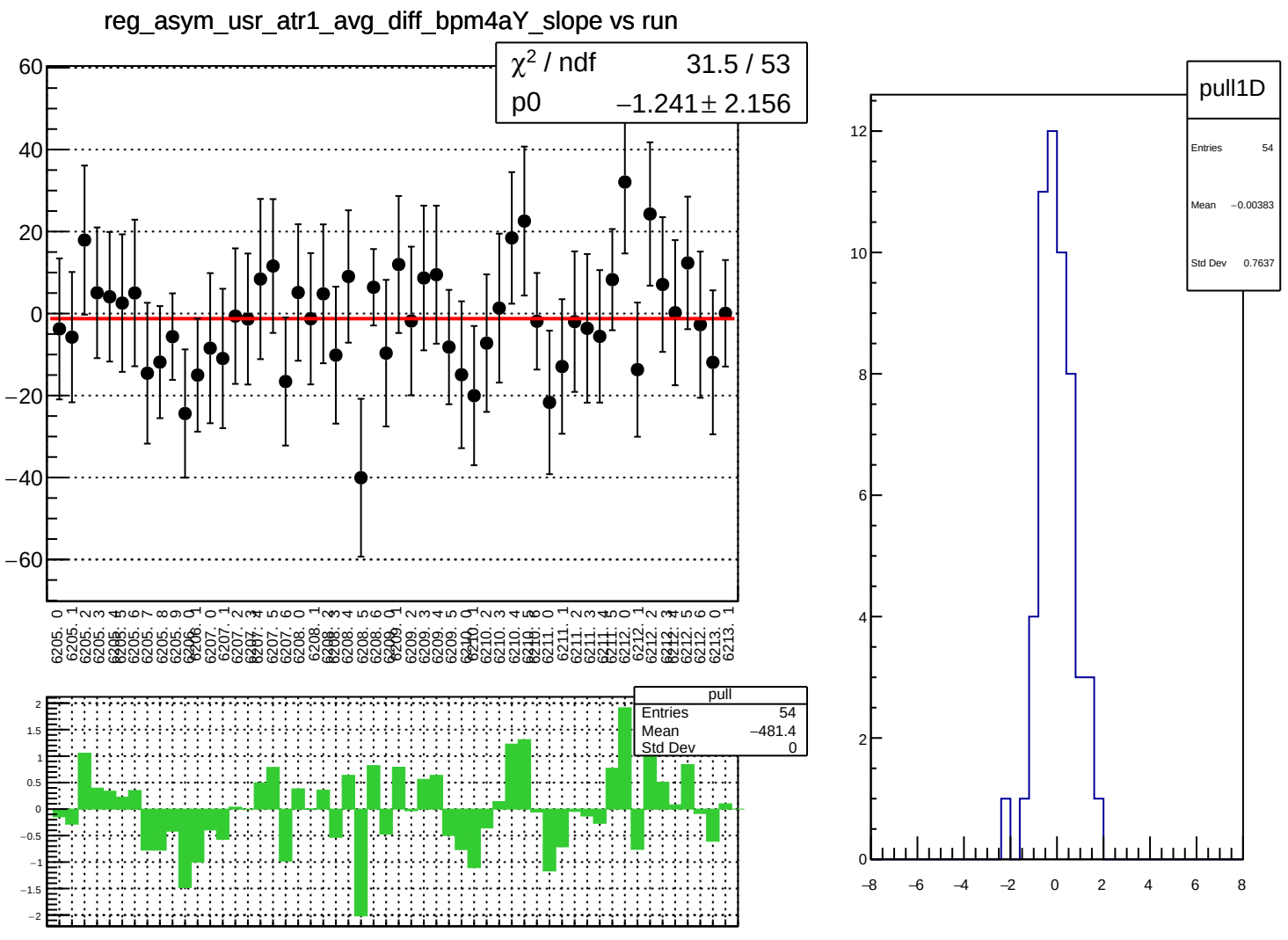

reg_asym_usl_atl2_dd_diff_bpm4eY_slope vs run
χ² / ndf 14.7 / 53
p0 −48.09 ± 3.837
pull
Entries 54
Mean 77.34
Std Dev 0
pull1D
Entries 54
Mean 0.04332
Std Dev 0.5199

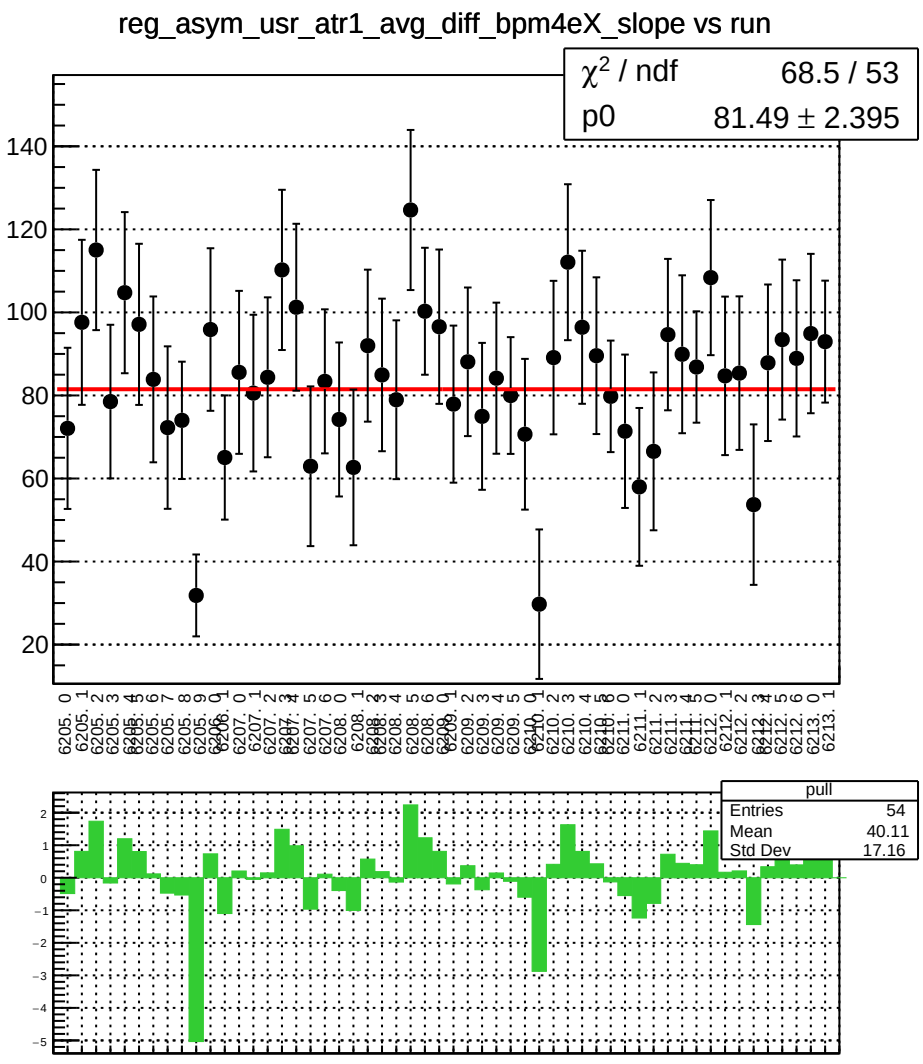

reg_asym_usl_atl2_dd_diff_bpm12X_slope vs run
χ² / ndf 13.46 / 53
p0 75.78 ± 0.316
pull
Entries 54
Mean −44.65
Std Dev 0

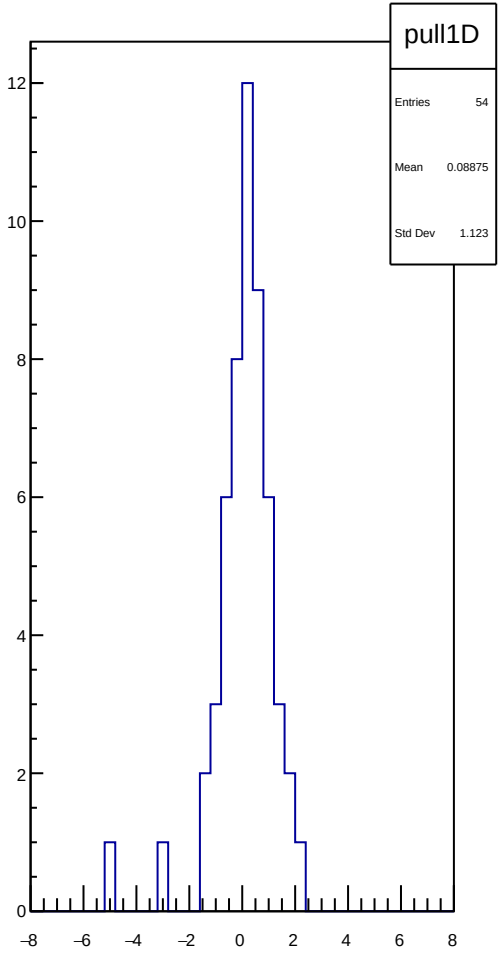

pull1D
Entries 54
Mean 0.02969
Std Dev 0.4984

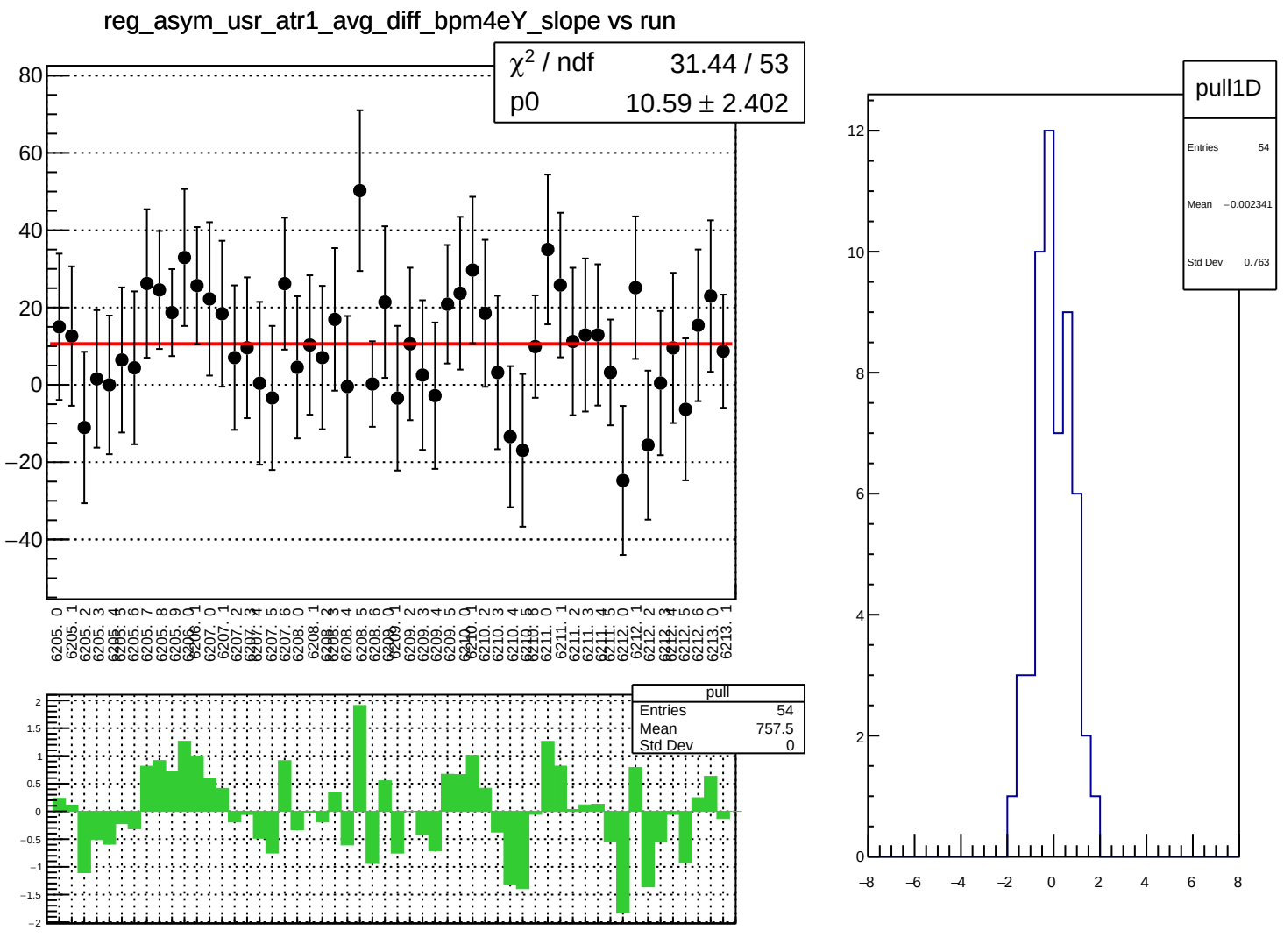

reg_asym_usr_atr1_avg_diff_bpm1X_slope vs run
χ² / ndf 65.07 / 53
p0 −66.25 ± 2.192
pull
Entries 54
Mean 28.96
Std Dev 17.98

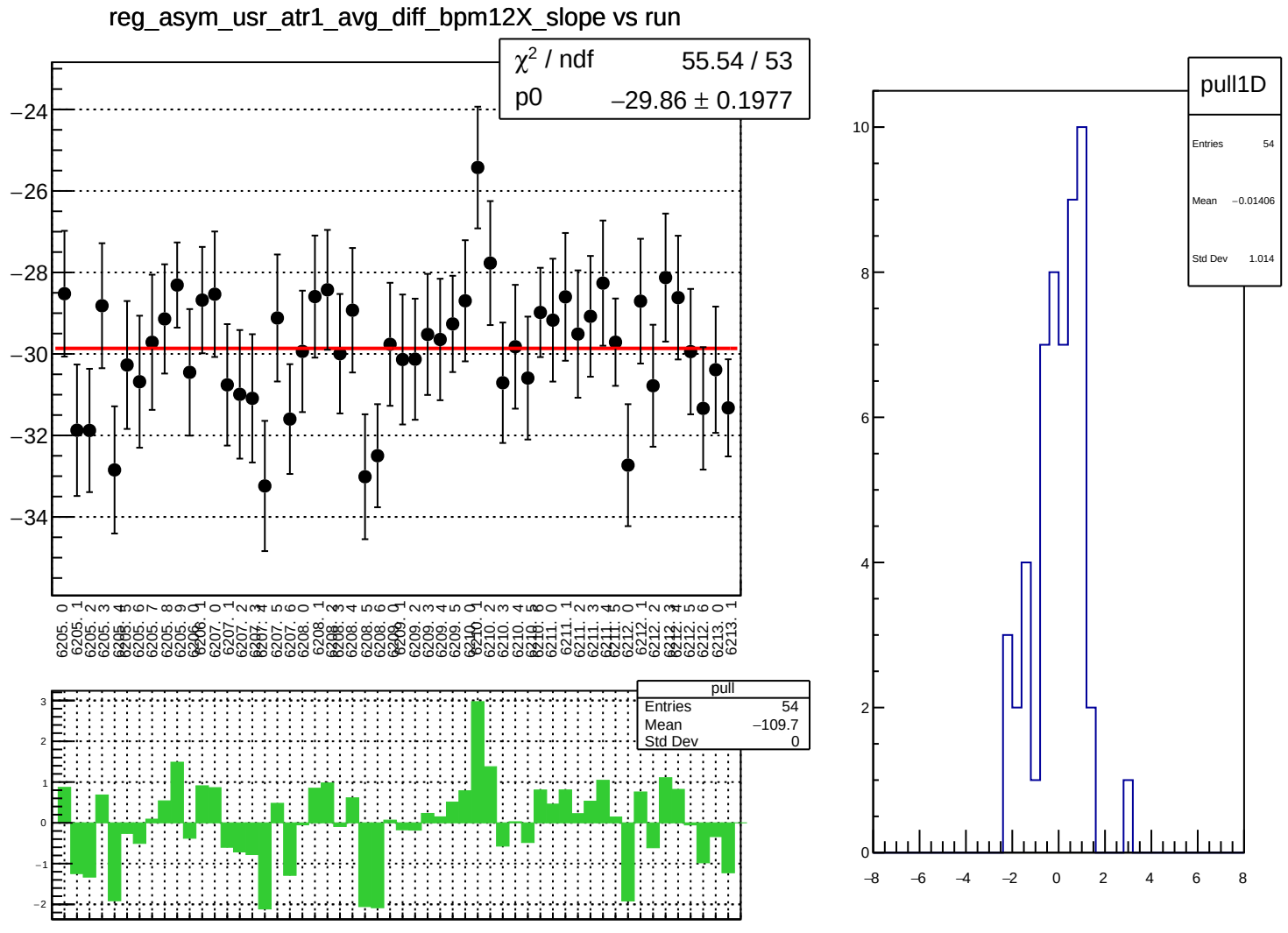

pull1D
Entries 54
Mean −0.07504
Std Dev 1.095

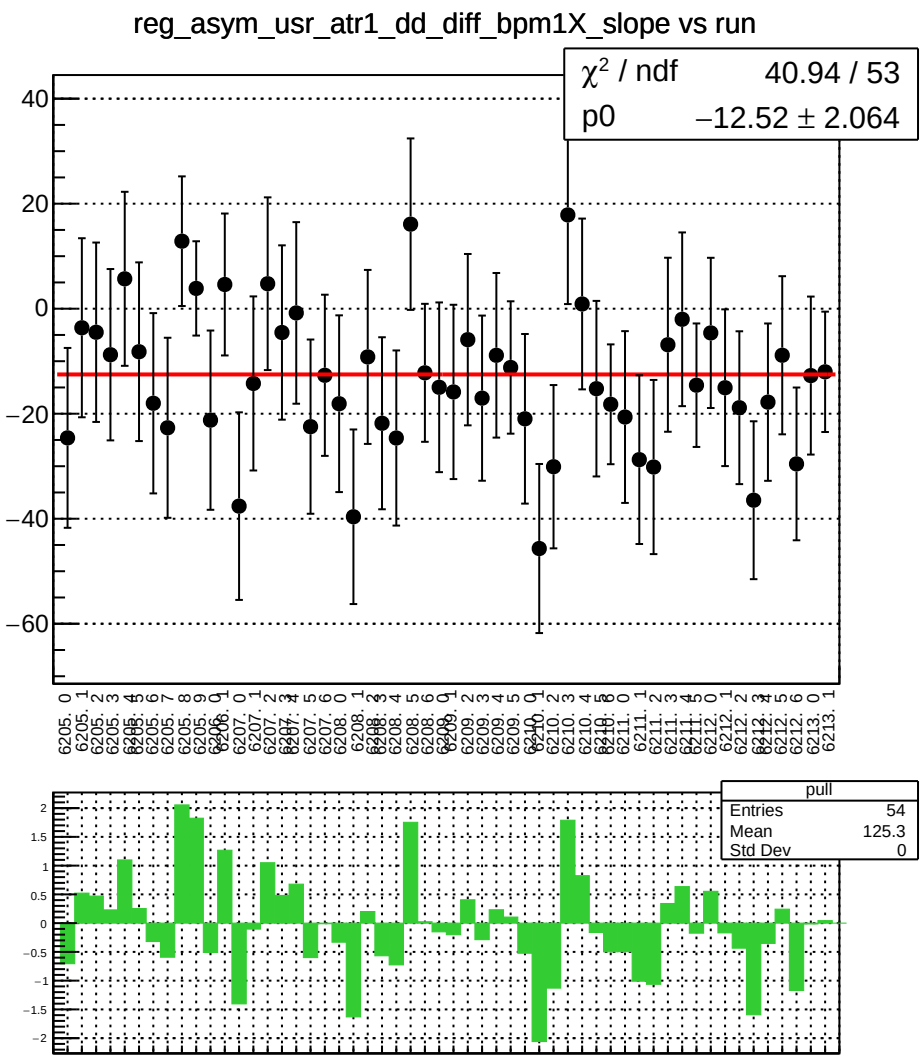

reg_asym_usr_atr1_avg_diff_bpm4aY_slope vs run
χ² / ndf 31.5 / 53
p0 −1.241 ± 2.156
pull
Entries 54
Mean −481.4
Std Dev 0
pull1D
Entries 54
Mean −0.00383
Std Dev 0.7637

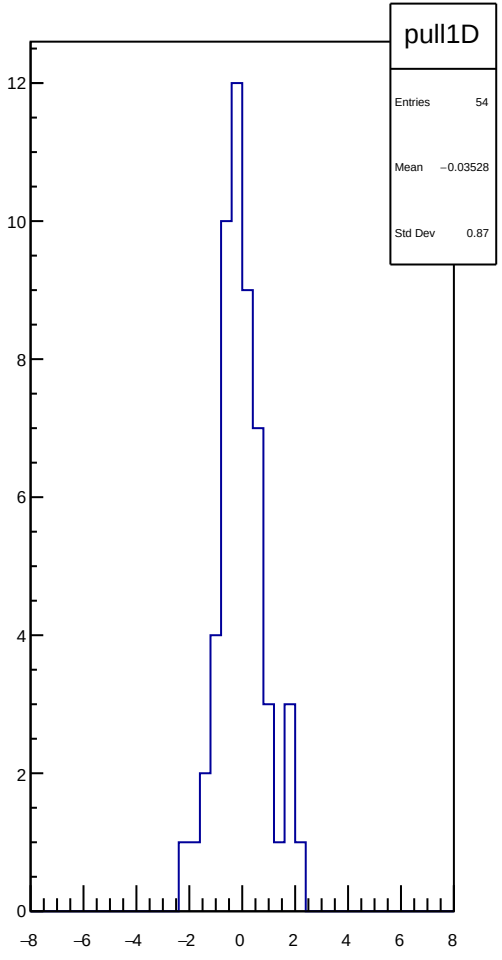

reg_asym_usr_atr1_avg_diff_bpm4eX_slope vs run
χ² / ndf 68.5 / 53
p0 81.49 ± 2.395
pull
Entries 54
Mean 40.11
Std Dev 17.16

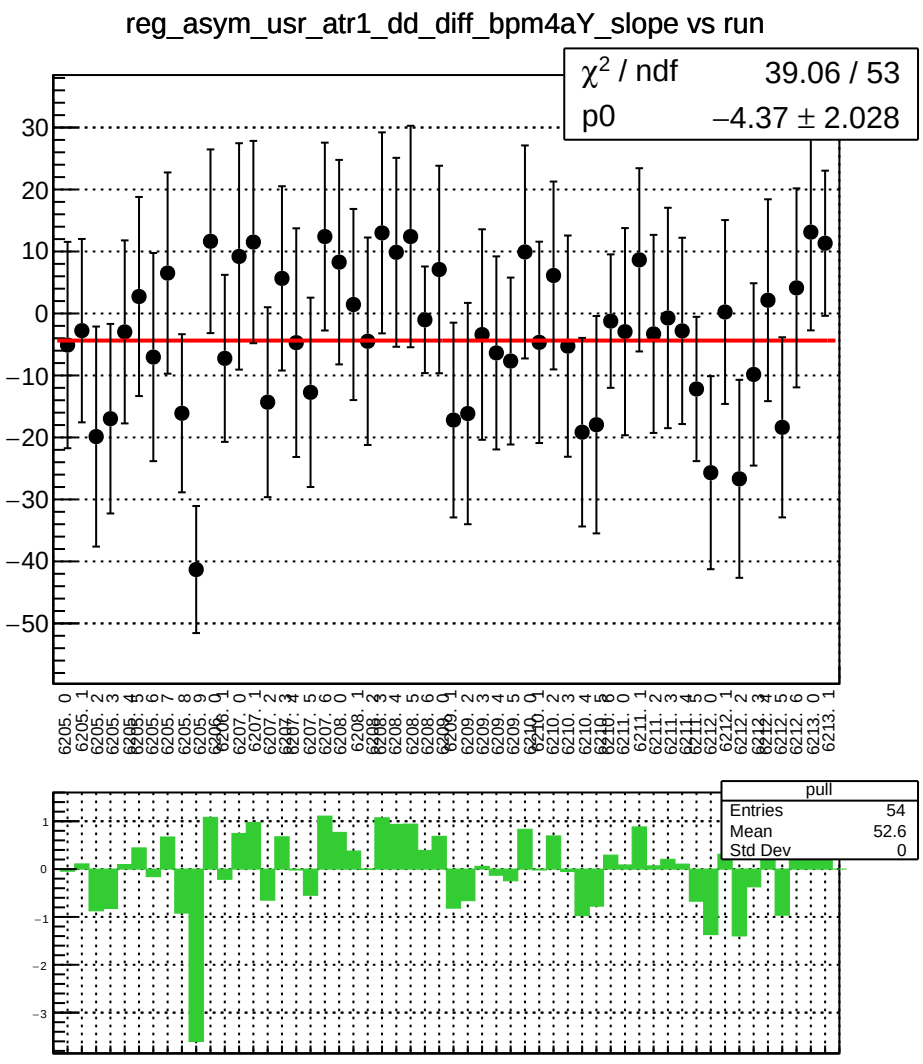

pull1D
Entries 54
Mean 0.08875
Std Dev 1.123

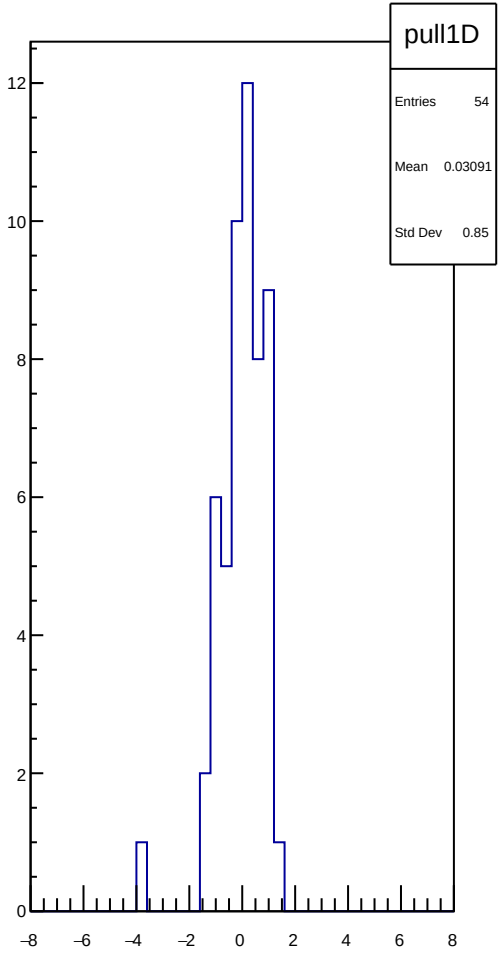

reg_asym_usr_atr1_avg_diff_bpm4eY_slope vs run
χ² / ndf 31.44 / 53
p0 10.59 ± 2.402
pull
Entries 54
Mean 757.5
Std Dev 0
pull1D
Entries 54
Mean −0.002341
Std Dev 0.763

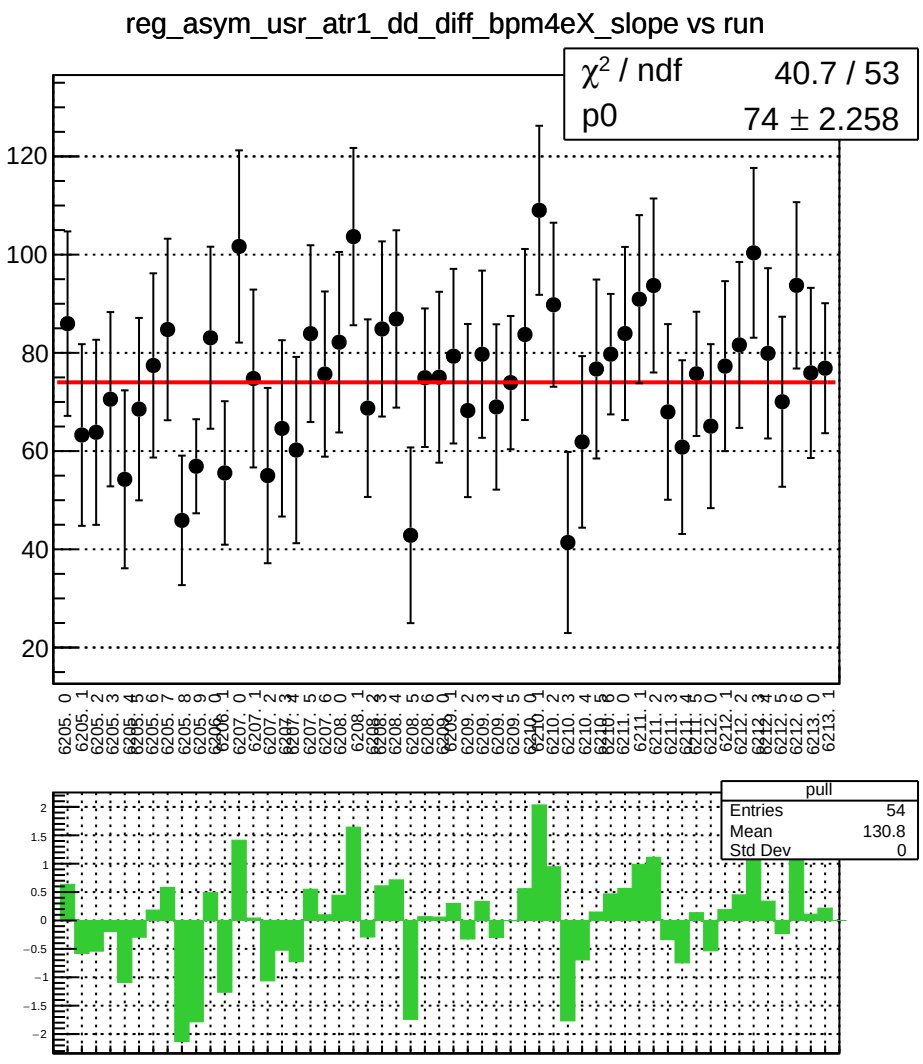

reg_asym_usr_atr1_avg_diff_bpm12X_slope vs run
χ² / ndf 55.54 / 53
p0 −29.86 ± 0.1977
pull
Entries 54
Mean −109.7
Std Dev 0
pull1D
Entries 54
Mean −0.01406
Std Dev 1.014

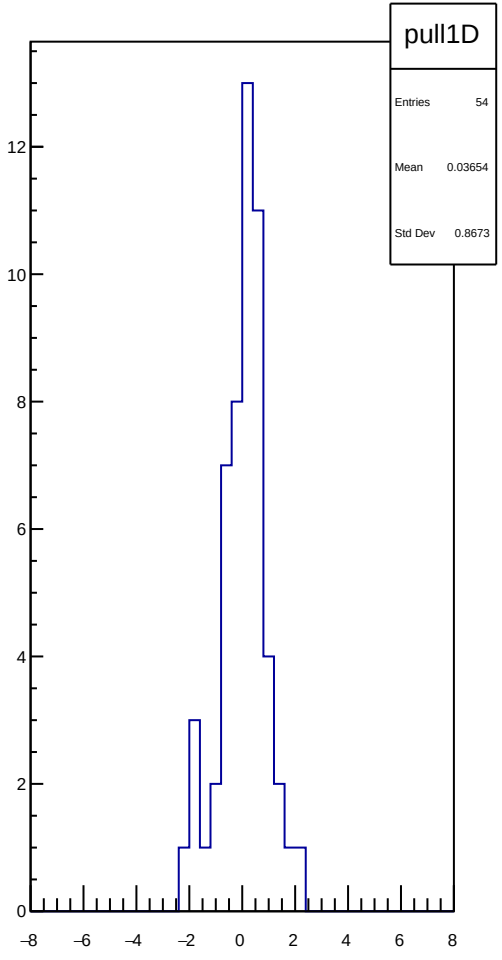

reg_asym_usr_atr1_dd_diff_bpm1X_slope vs run
χ² / ndf 40.94 / 53
p0 −12.52 ± 2.064
pull
Entries 54
Mean 125.3
Std Dev 0

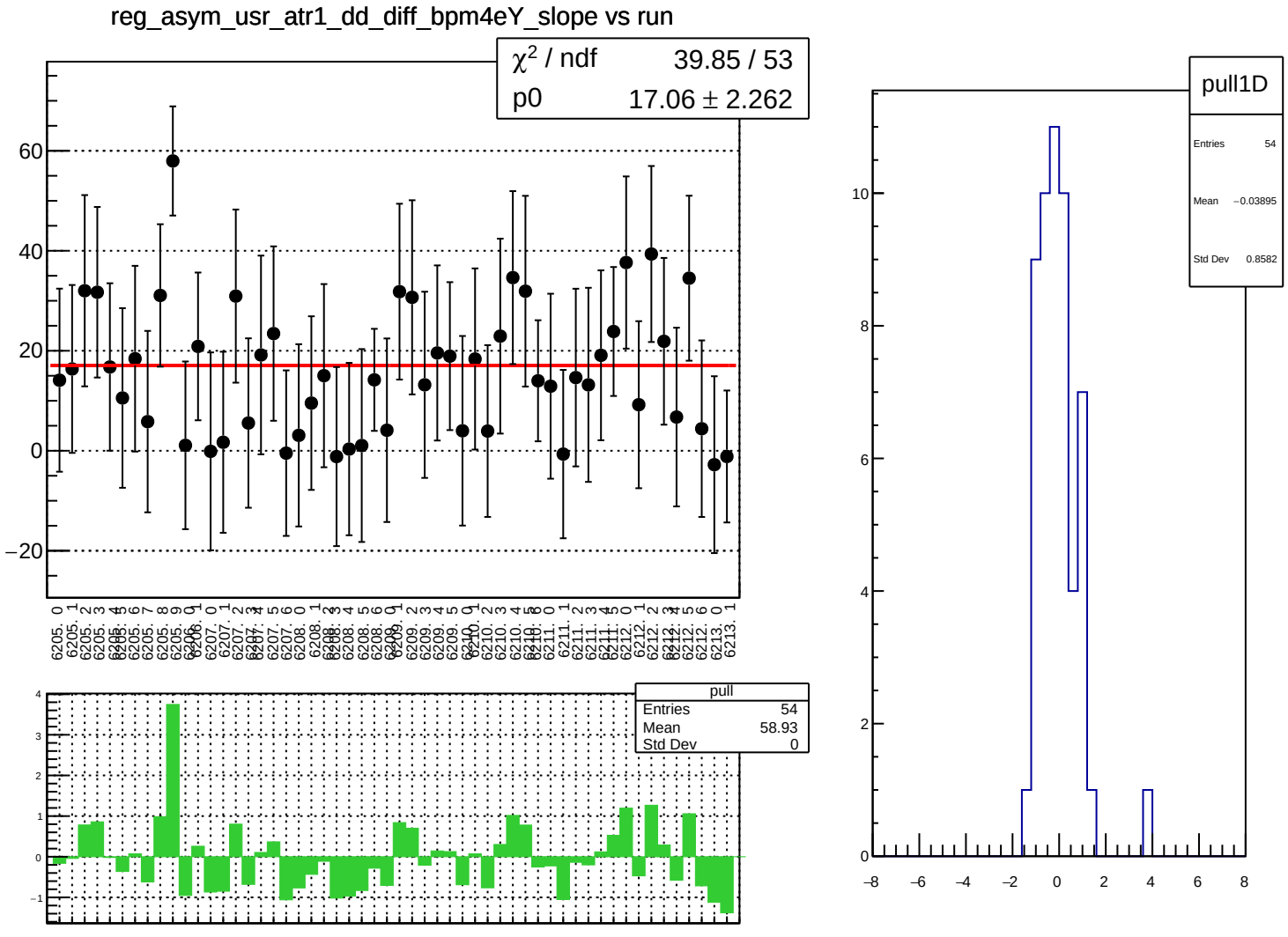

pull1D
Entries 54
Mean −0.03528
Std Dev 0.87

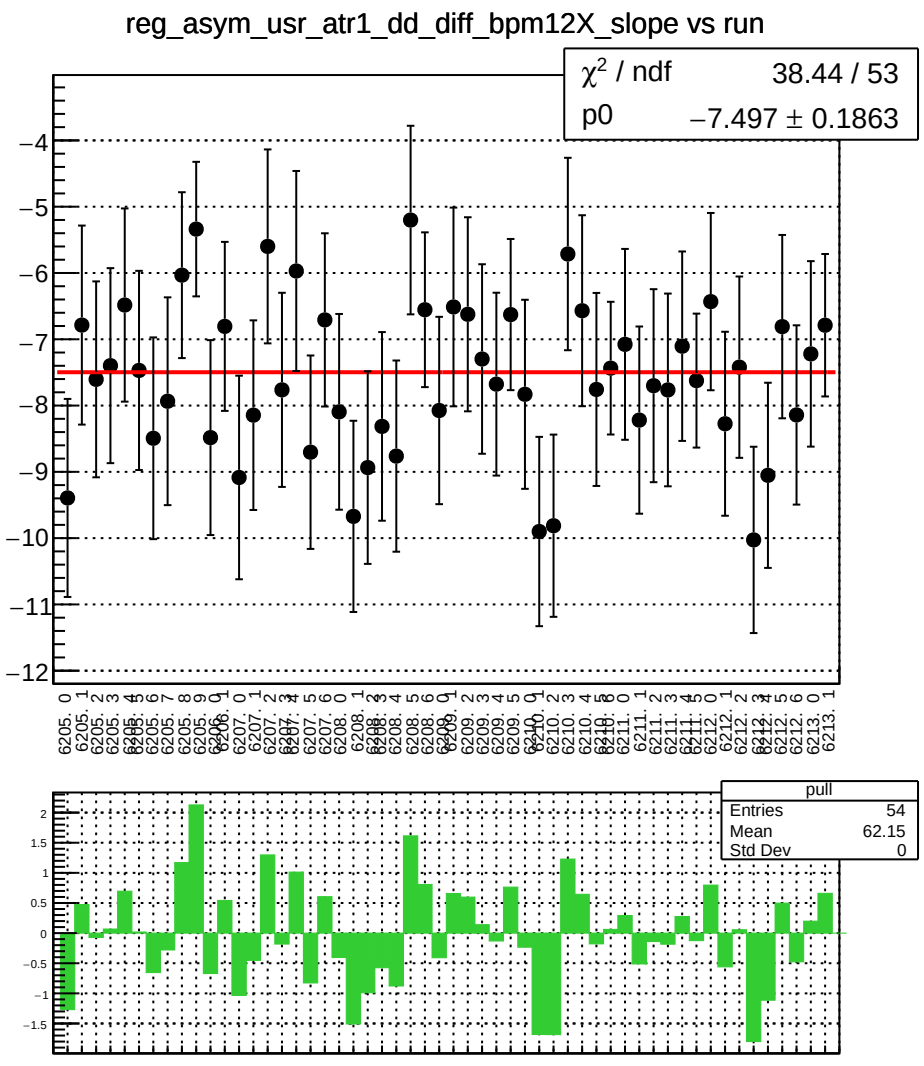

reg_asym_usr_atr1_dd_diff_bpm4aY_slope vs run
χ² / ndf 39.06 / 53
p0 −4.37 ± 2.028
pull
Entries 54
Mean 52.6
Std Dev 0

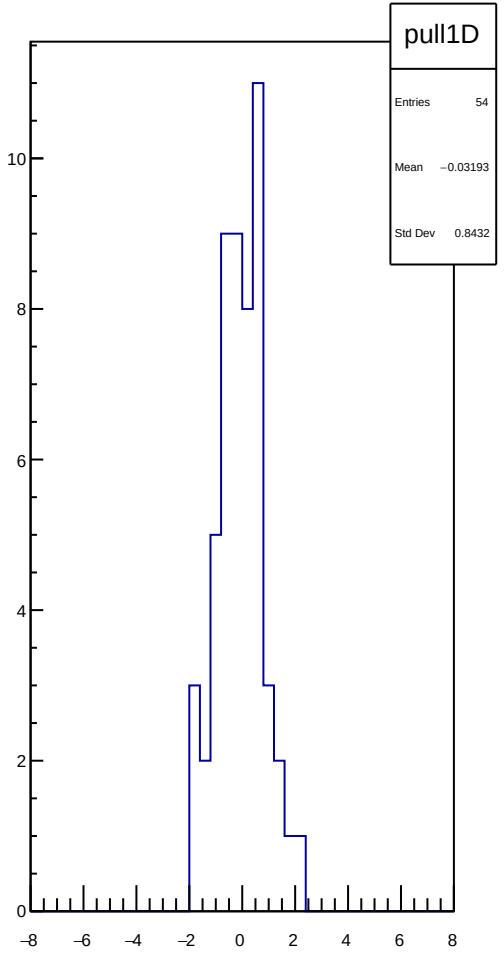

pull1D
Entries 54
Mean 0.03091
Std Dev 0.85

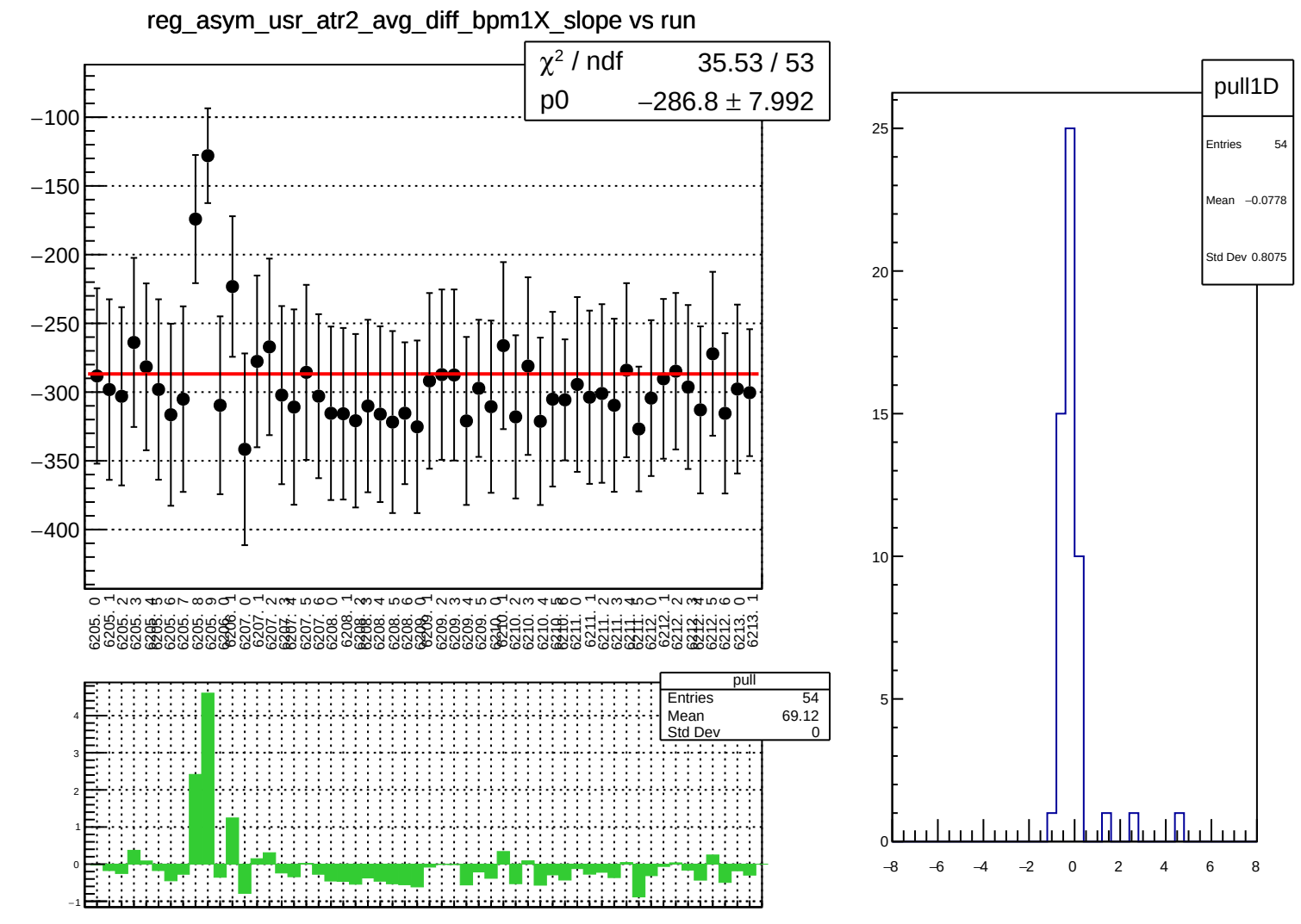

reg_asym_usr_atr1_dd_diff_bpm4eX_slope vs run
χ² / ndf 40.7 / 53
p0 74 ± 2.258
pull
Entries 54
Mean 130.8
Std Dev 0

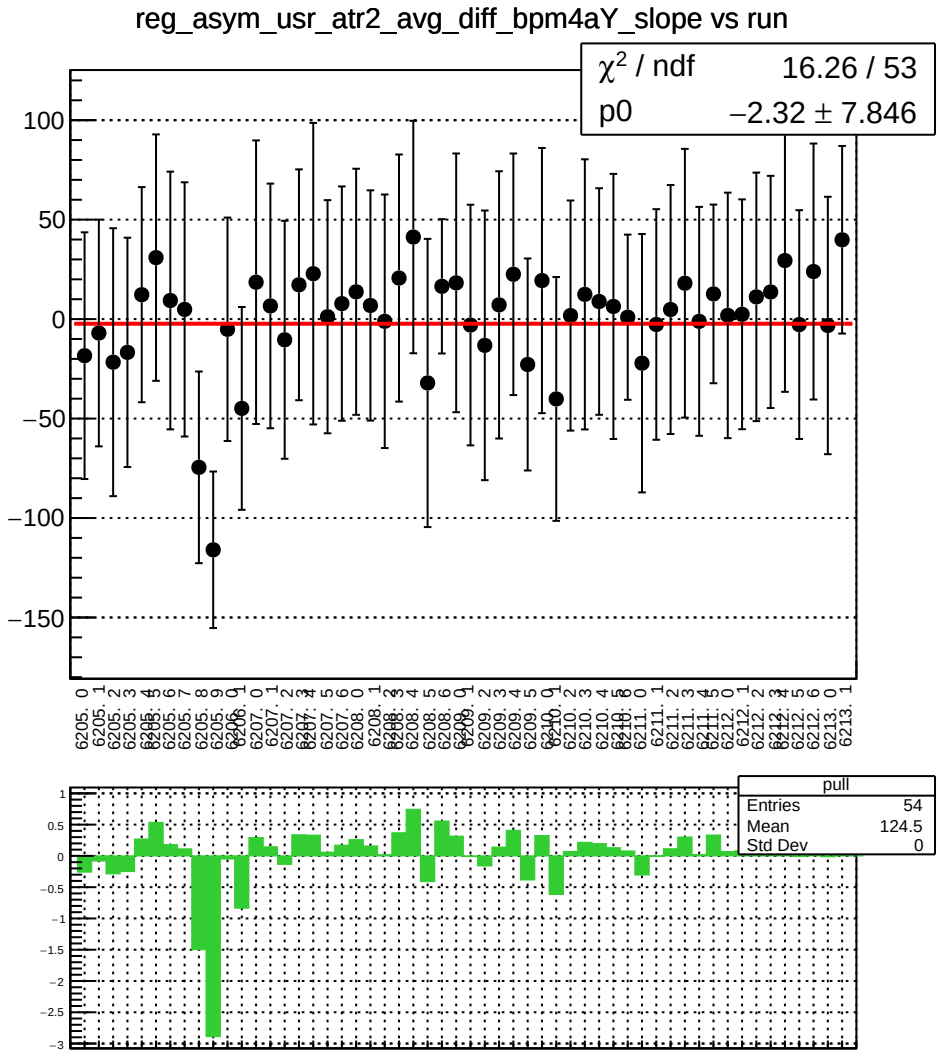

pull1D
Entries 54
Mean 0.03654
Std Dev 0.8673

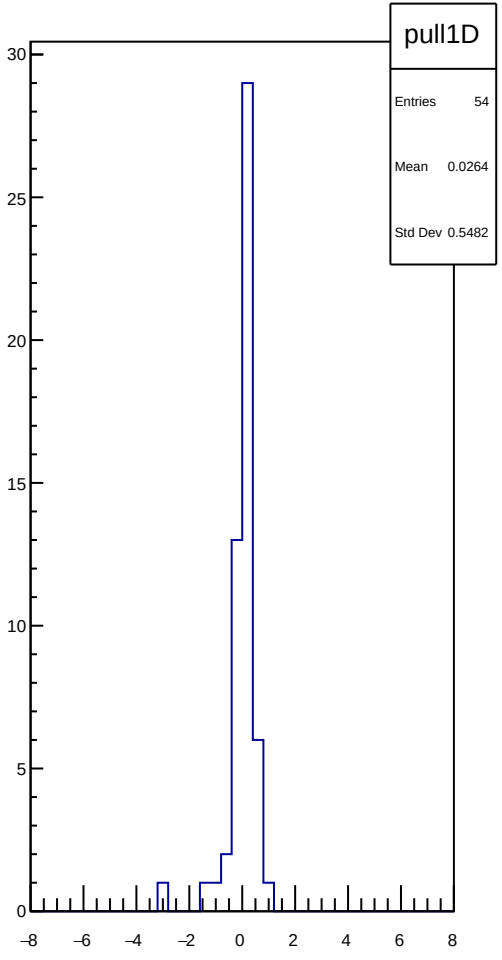

reg_asym_usr_atr1_dd_diff_bpm4eY_slope vs run
χ² / ndf 39.85 / 53
p0 17.06 ± 2.262
pull
Entries 54
Mean 58.93
Std Dev 0
pull1D
Entries 54
Mean −0.03895
Std Dev 0.8582

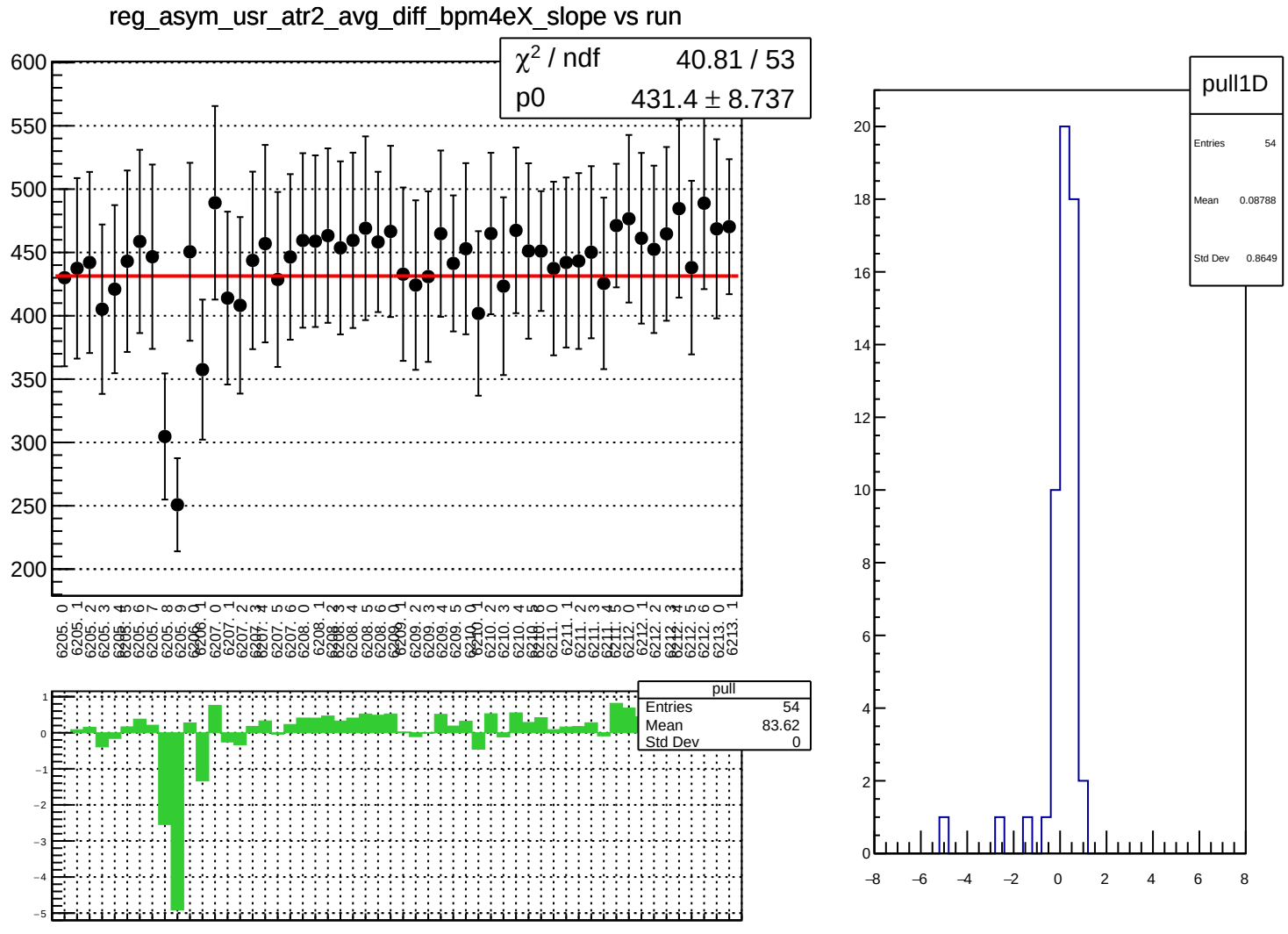

reg_asym_usr_atr1_dd_diff_bpm12X_slope vs run
χ² / ndf 38.44 / 53
p0 −7.497 ± 0.1863
pull
Entries 54
Mean 62.15
Std Dev 0

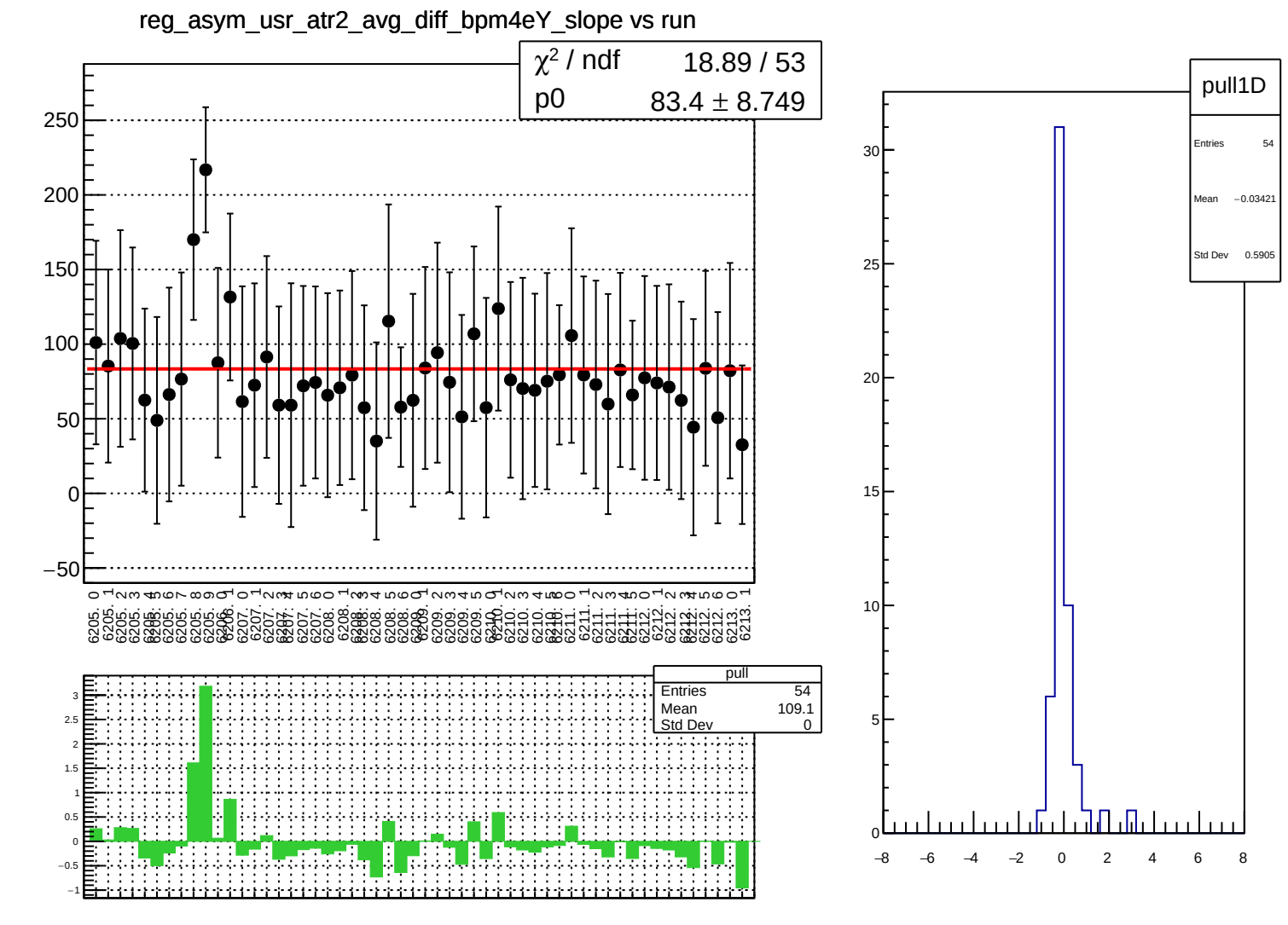

pull1D
Entries 54
Mean −0.03193
Std Dev 0.8432

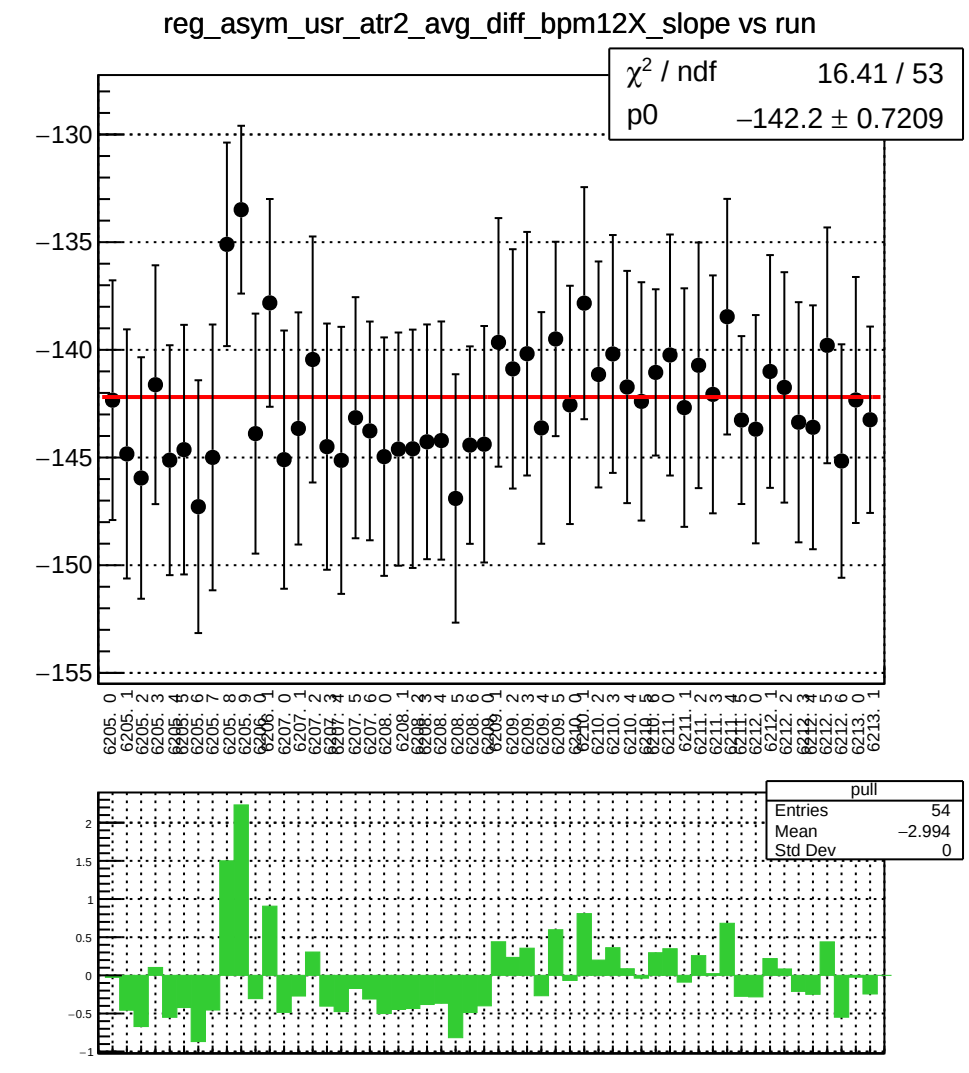

reg_asym_usr_atr2_avg_diff_bpm1X_slope vs run
χ² / ndf 35.53 / 53
p0 −286.8 ± 7.992
pull
Entries 54
Mean 69.12
Std Dev 0
pull1D
Entries 54
Mean −0.0778
Std Dev 0.8075

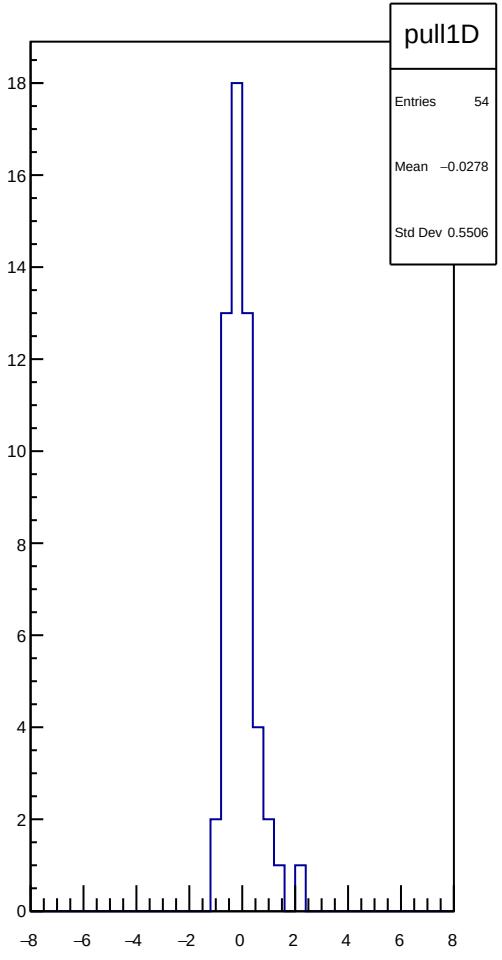

reg_asym_usr_atr2_avg_diff_bpm4aY_slope vs run
χ² / ndf 16.26 / 53
p0 −2.32 ± 7.846
pull
Entries 54
Mean 124.5
Std Dev 0

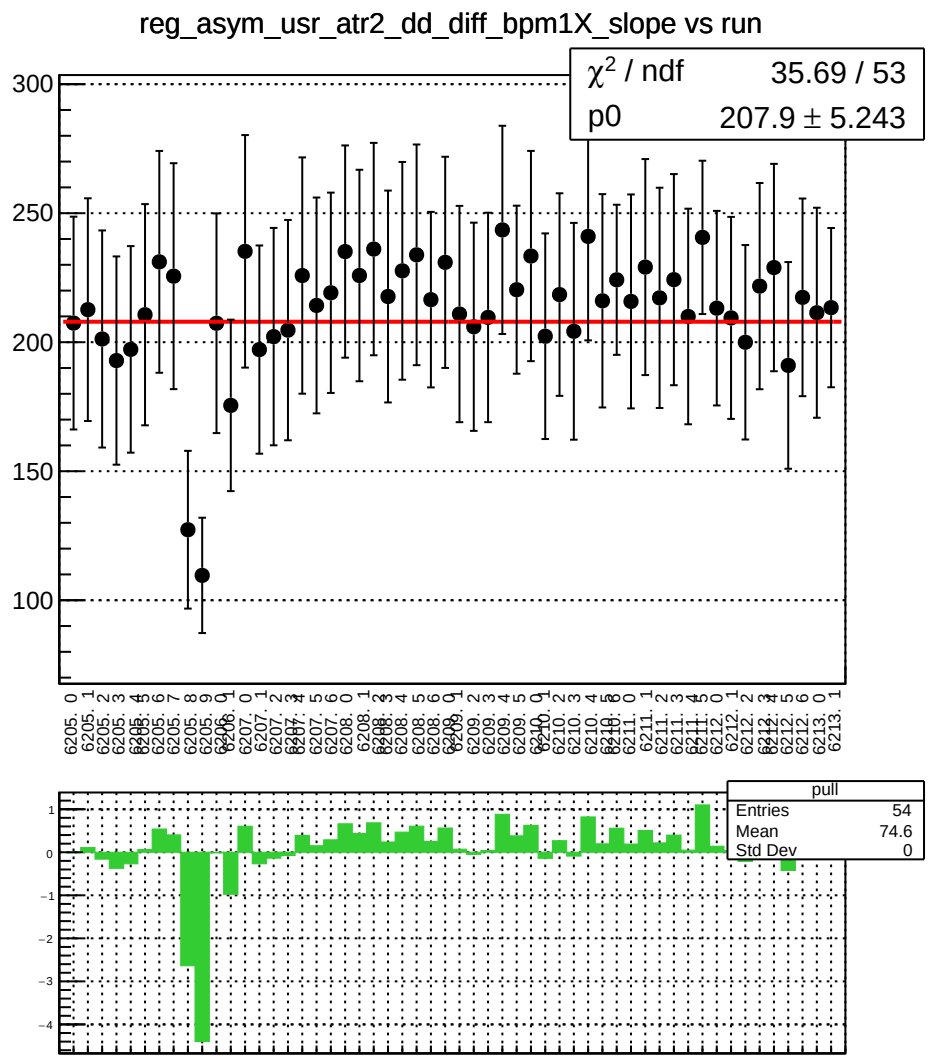

pull1D
Entries 54
Mean 0.0264
Std Dev 0.5482

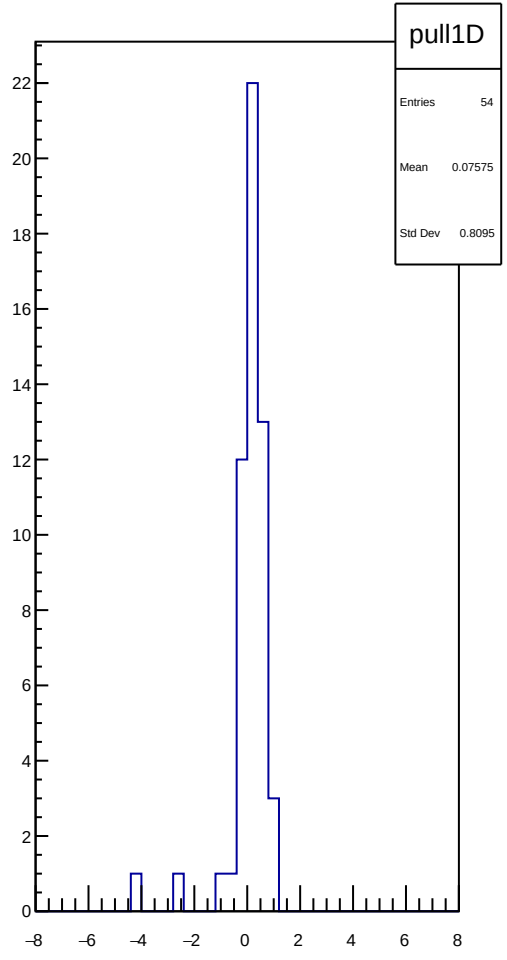

reg_asym_usr_atr2_avg_diff_bpm4eX_slope vs run
χ² / ndf 40.81 / 53
p0 431.4 ± 8.737
pull
Entries 54
Mean 83.62
Std Dev 0
pull1D
Entries 54
Mean 0.08788
Std Dev 0.8649

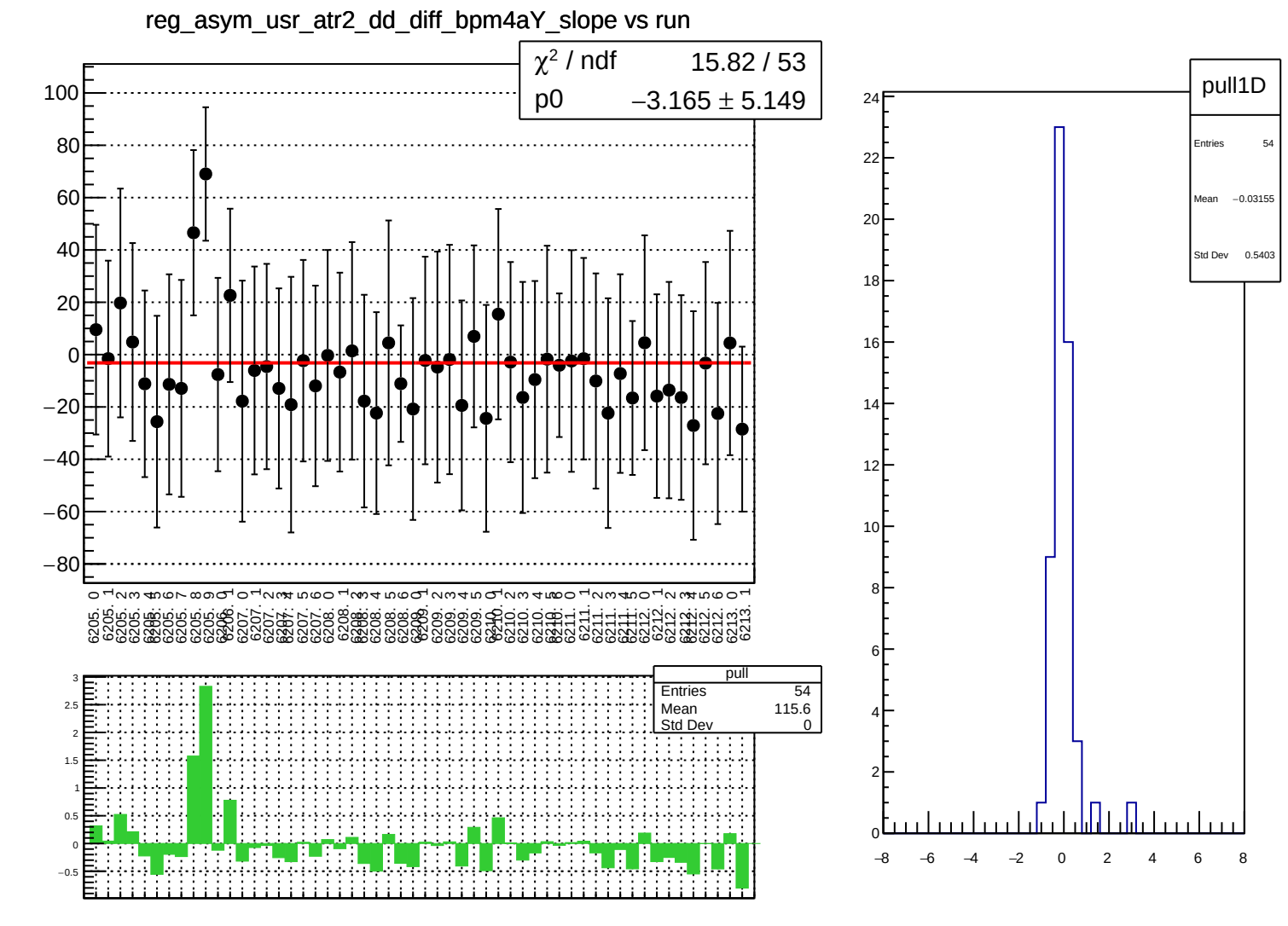

reg_asym_usr_atr2_avg_diff_bpm4eY_slope vs run
χ² / ndf 18.89 / 53
p0 83.4 ± 8.749
pull
Entries 54
Mean 109.1
Std Dev 0
pull1D
Entries 54
Mean −0.03421
Std Dev 0.5905

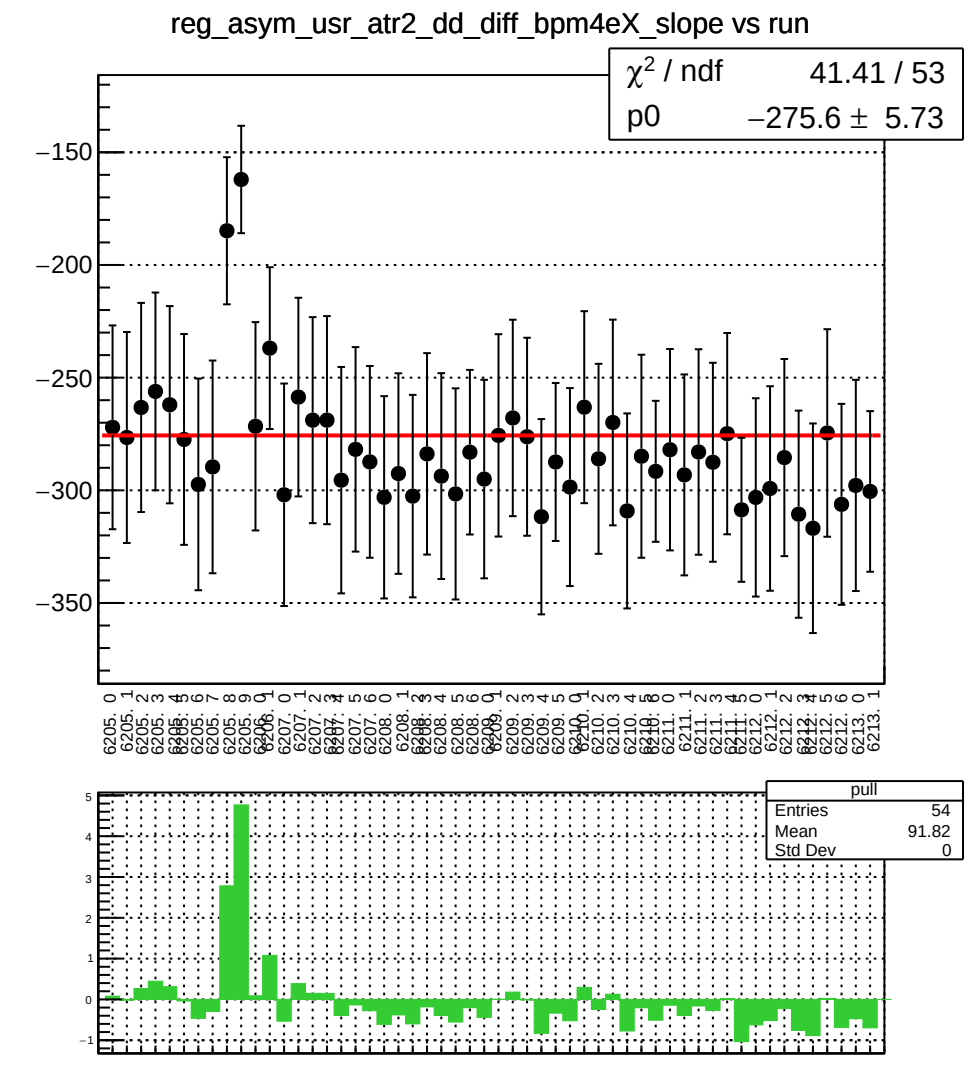

reg_asym_usr_atr2_avg_diff_bpm12X_slope vs run
χ² / ndf 16.41 / 53
p0 −142.2 ± 0.7209
pull
Entries 54
Mean −2.994
Std Dev 0

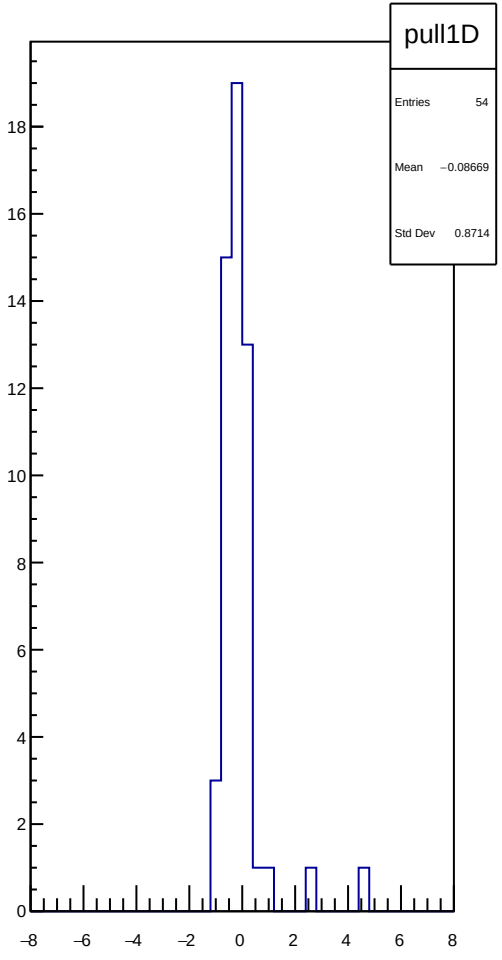

pull1D
Entries 54
Mean −0.0278
Std Dev 0.5506

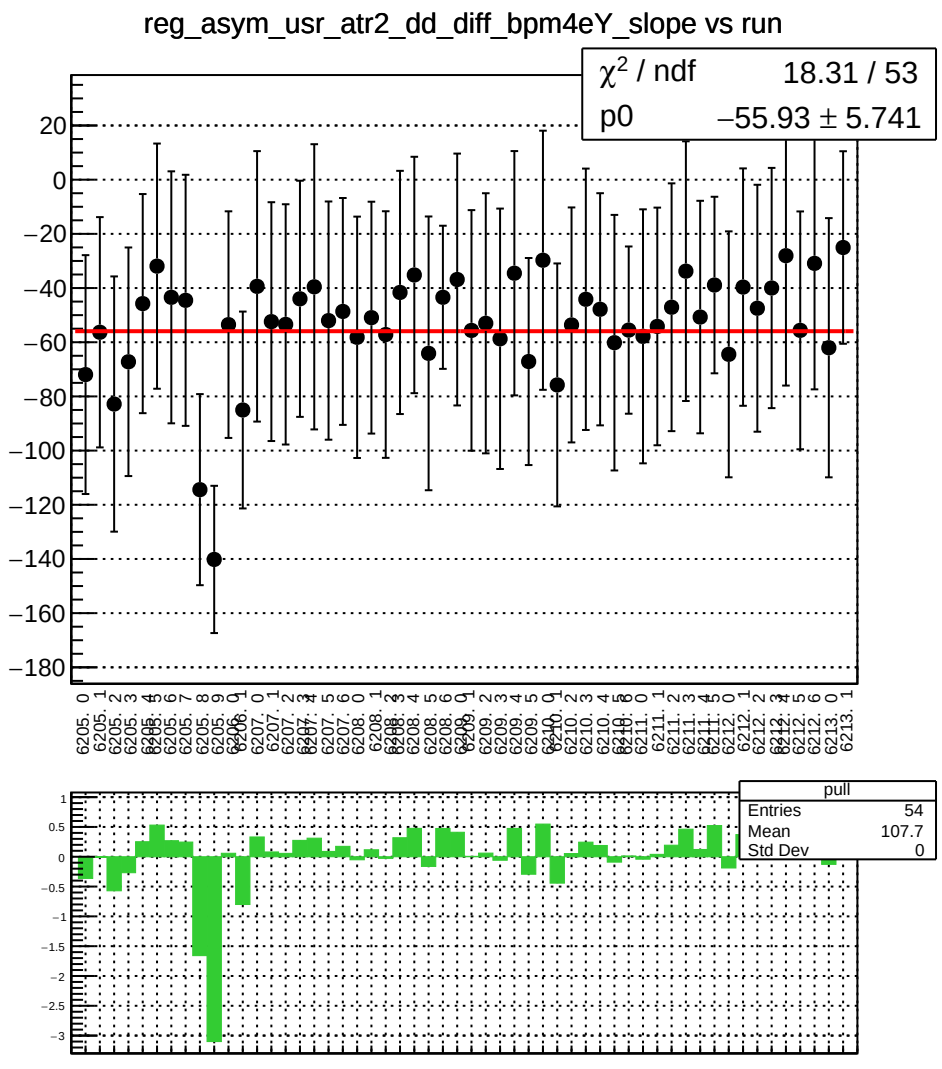

reg_asym_usr_atr2_dd_diff_bpm1X_slope vs run
χ² / ndf 35.69 / 53
p0 207.9 ± 5.243
300
250
200
150
100
pull
Entries 54
Mean 74.6
Std Dev 0
1
0
−1
−2
−3
−4

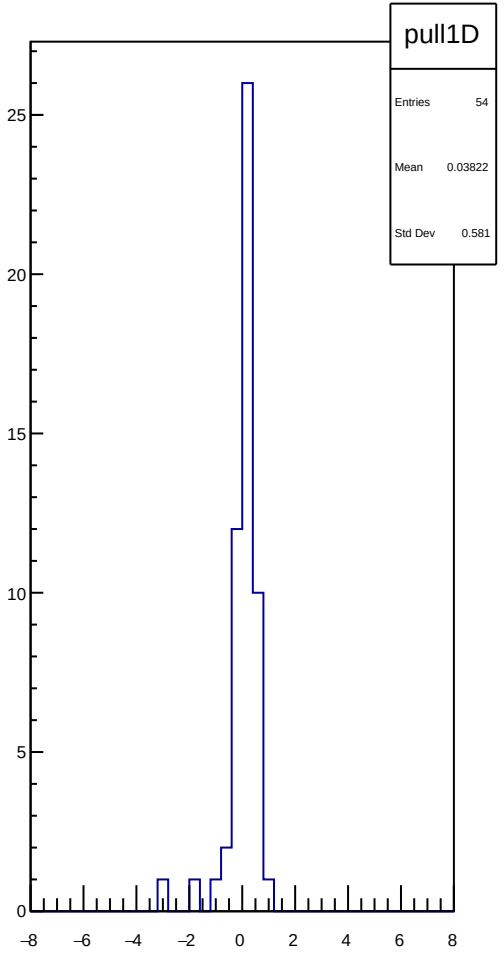

pull1D
Entries 54
Mean 0.07575
Std Dev 0.8095
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

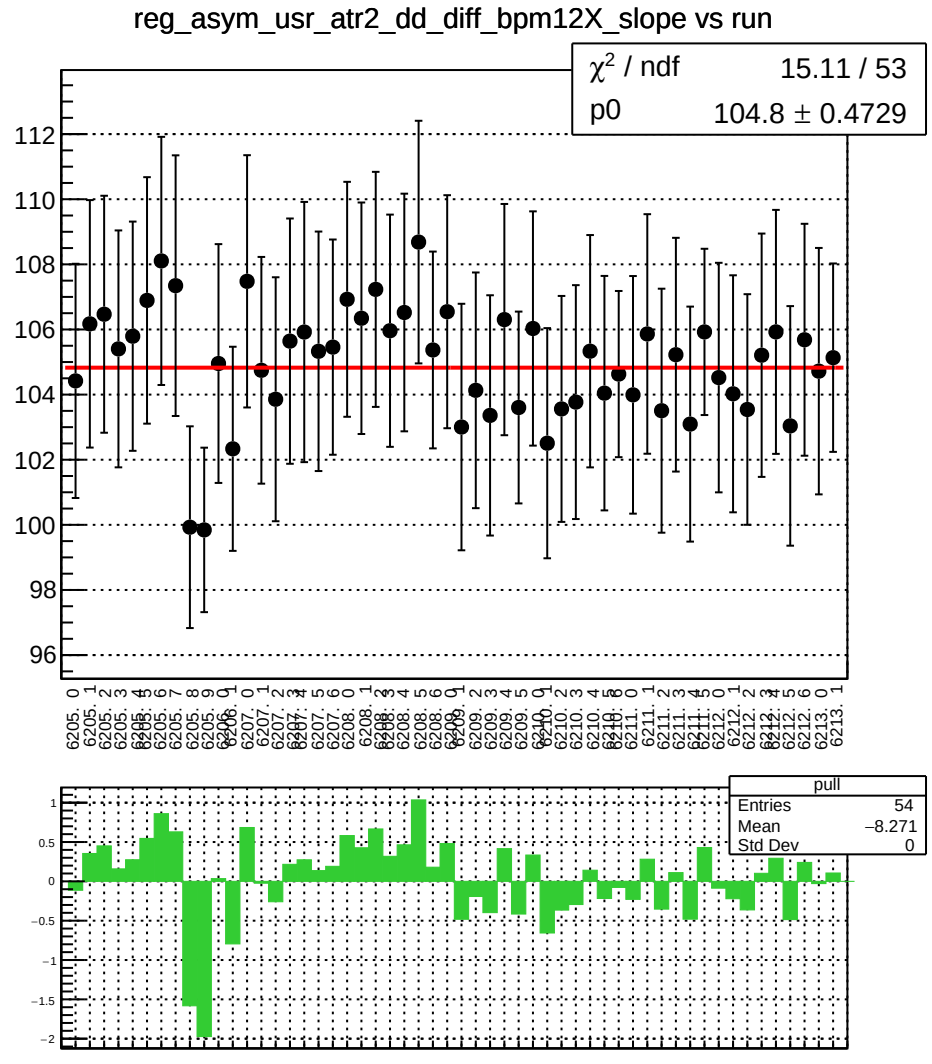

reg_asym_usr_atr2_dd_diff_bpm4aY_slope vs run
χ² / ndf 15.82 / 53
p0 −3.165 ± 5.149
pull
Entries 54
Mean 115.6
Std Dev 0
pull1D
Entries 54
Mean −0.03155
Std Dev 0.5403

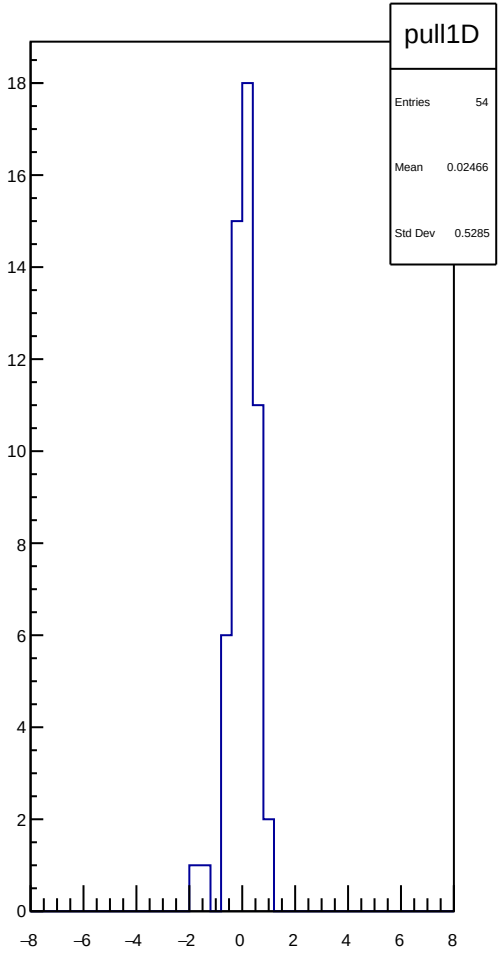

reg_asym_usr_atr2_dd_diff_bpm4eX_slope vs run
χ² / ndf 41.41 / 53
p0 −275.6 ± 5.73
pull
Entries 54
Mean 91.82
Std Dev 0

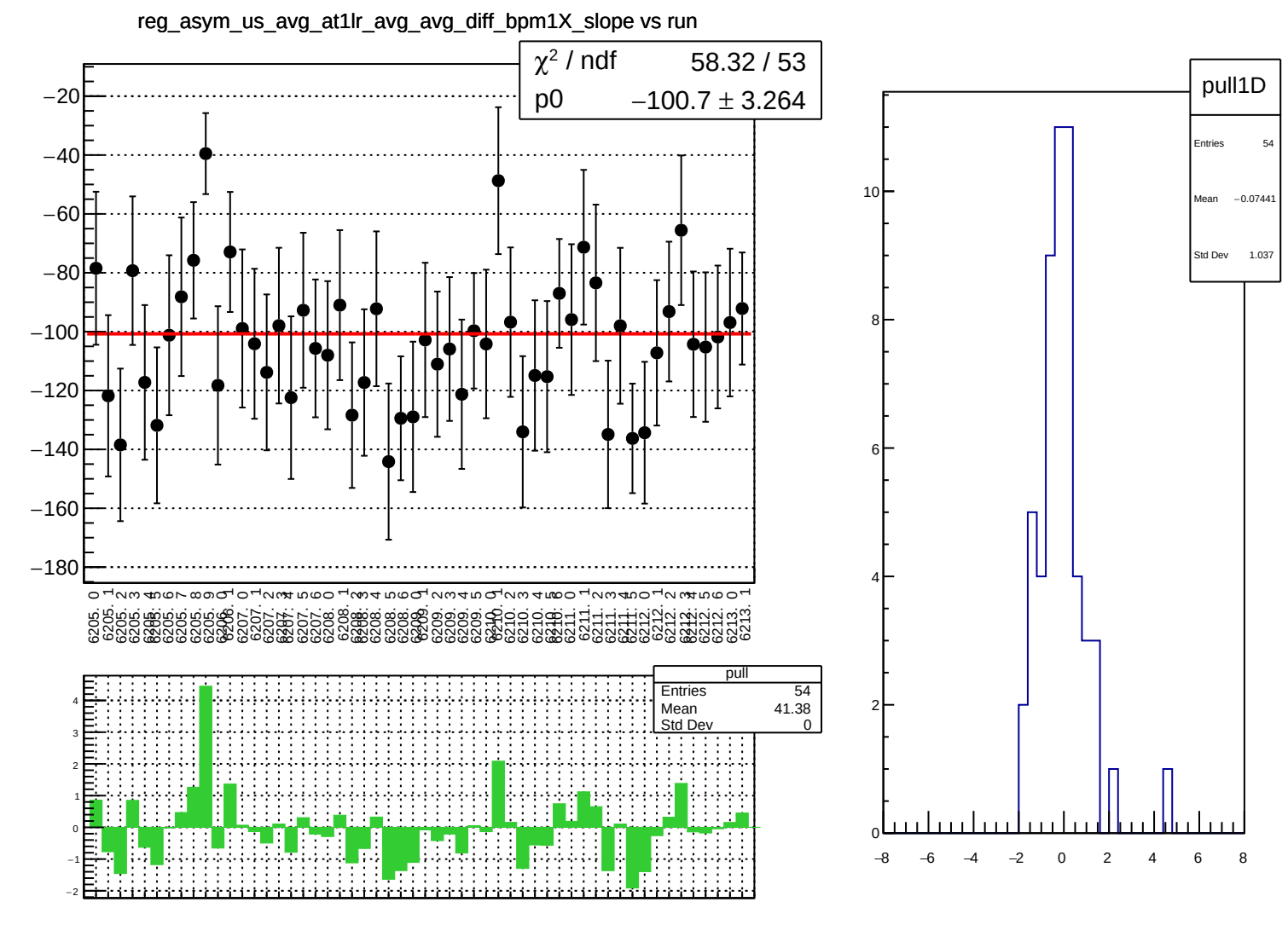

pull1D
Entries 54
Mean −0.08669
Std Dev 0.8714

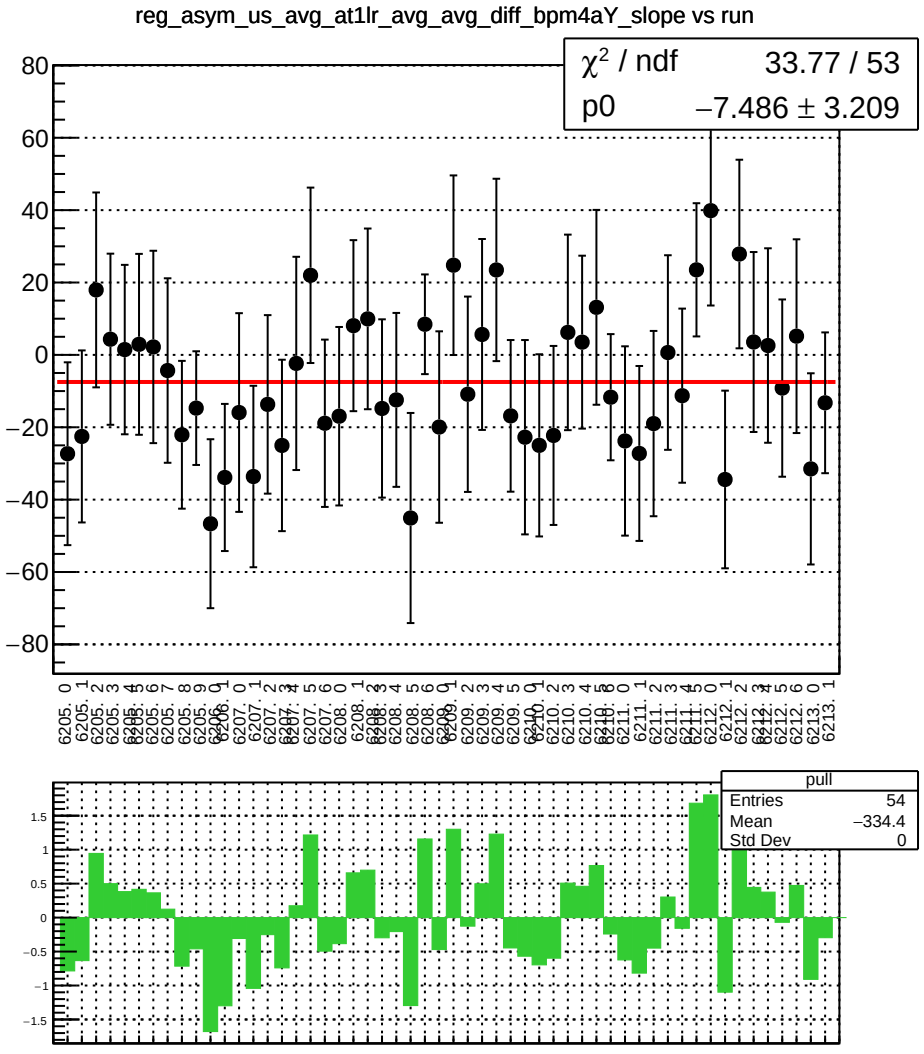

reg_asym_usr_atr2_dd_diff_bpm4eY_slope vs run
χ² / ndf 18.31 / 53
p0 −55.93 ± 5.741
pull
Entries 54
Mean 107.7
Std Dev 0

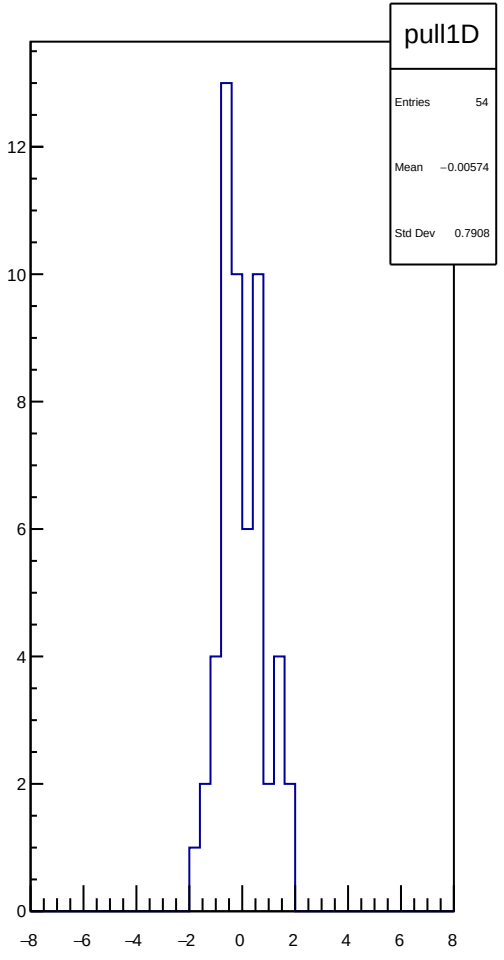

pull1D
Entries 54
Mean 0.03822
Std Dev 0.581

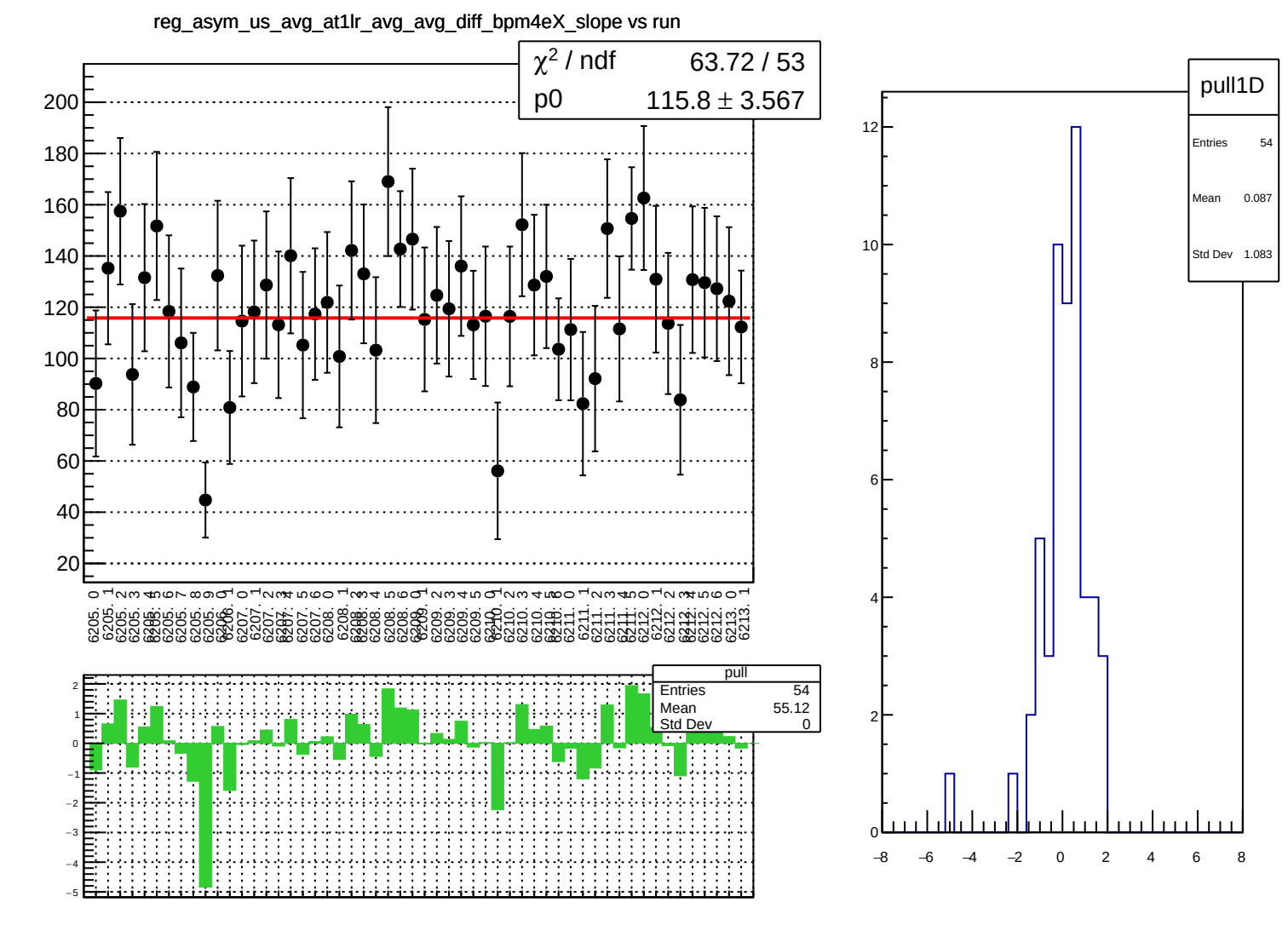

reg_asym_usr_atr2_dd_diff_bpm12X_slope vs run
χ² / ndf 15.11 / 53
p0 104.8 ± 0.4729
pull
Entries 54
Mean −8.271
Std Dev 0

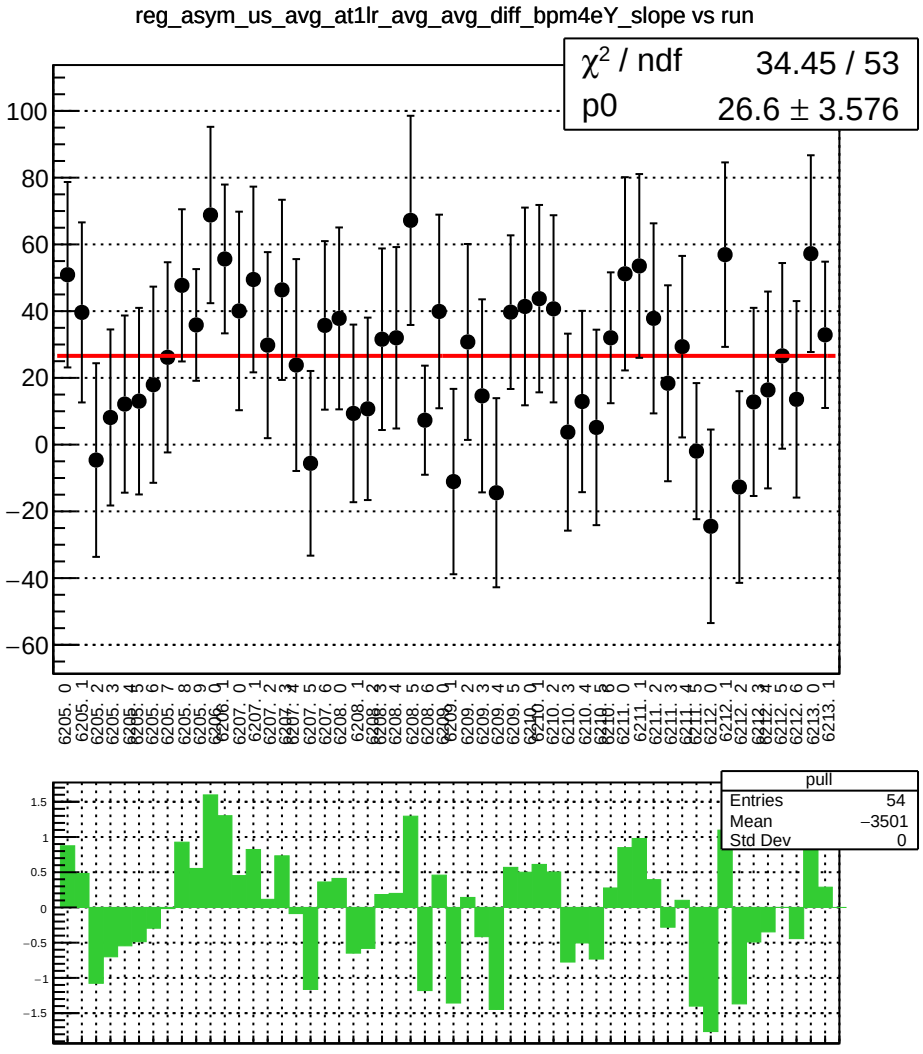

pull1D
Entries 54
Mean 0.02466
Std Dev 0.5285

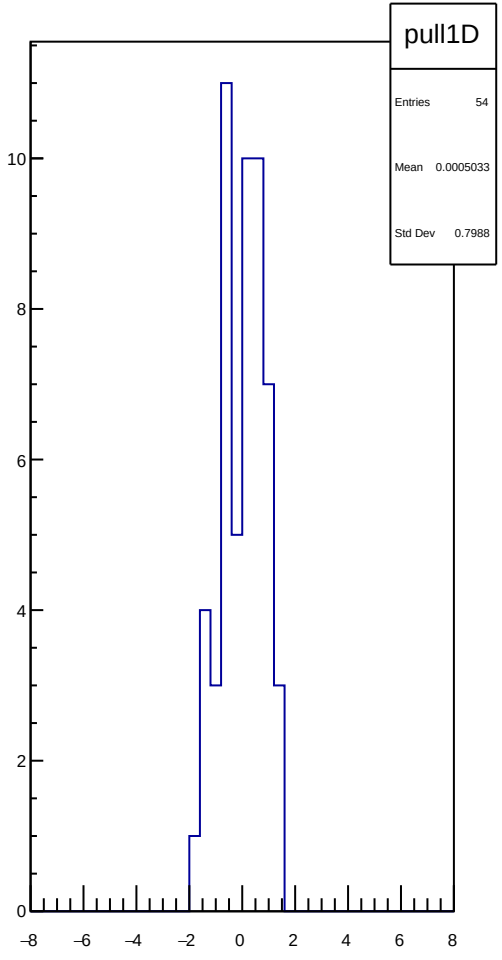

reg_asym_us_avg_at1lr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 58.32 / 53
p0 −100.7 ± 3.264
pull
Entries 54
Mean 41.38
Std Dev 0
pull1D
Entries 54
Mean −0.07441
Std Dev 1.037

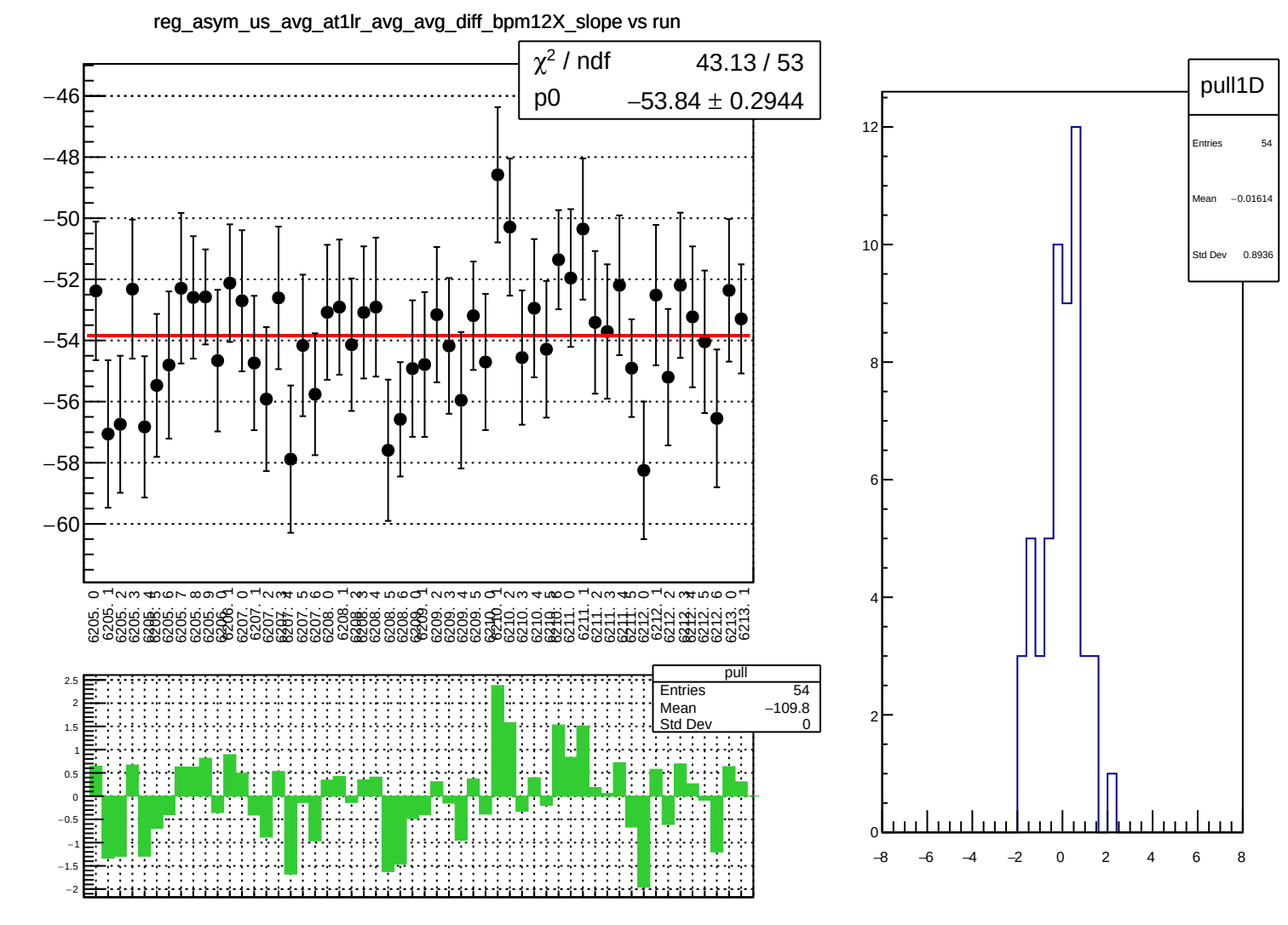

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 33.77 / 53
p0 −7.486 ± 3.209
pull
Entries 54
Mean −334.4
Std Dev 0

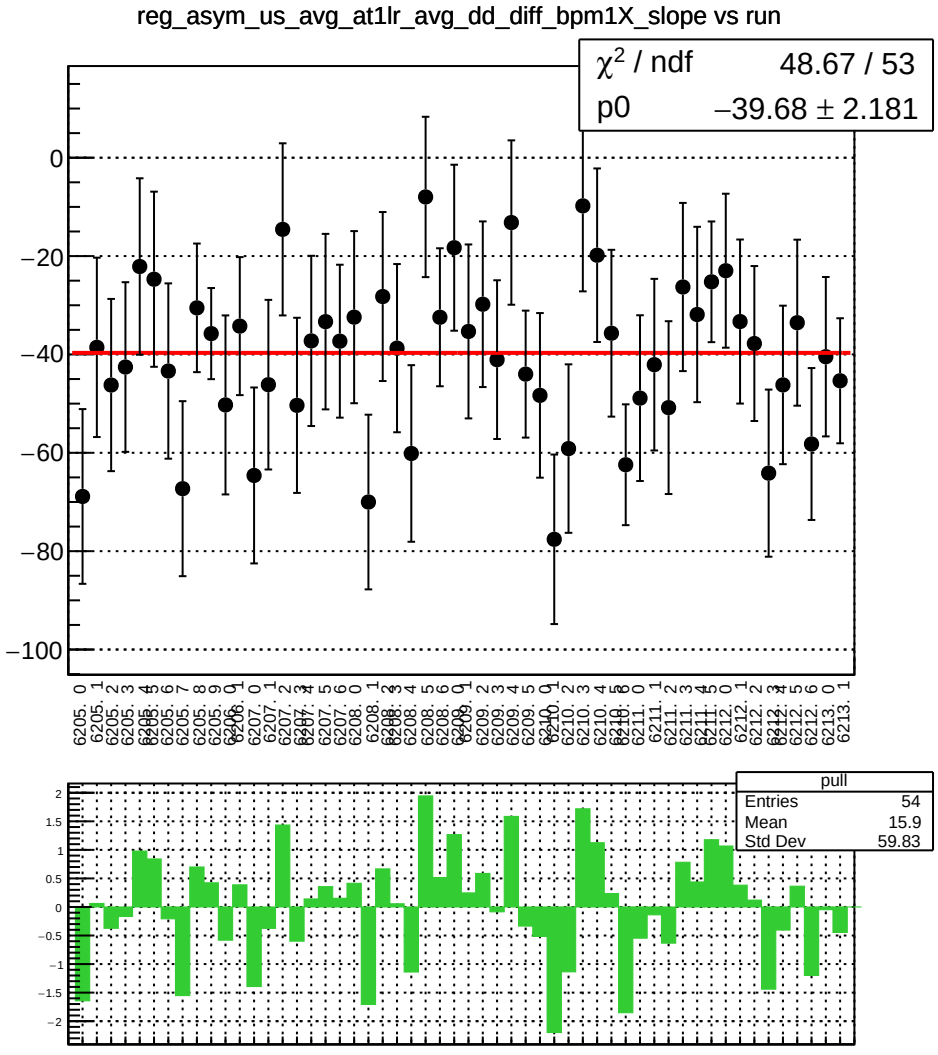

pull1D
Entries 54
Mean −0.00574
Std Dev 0.7908

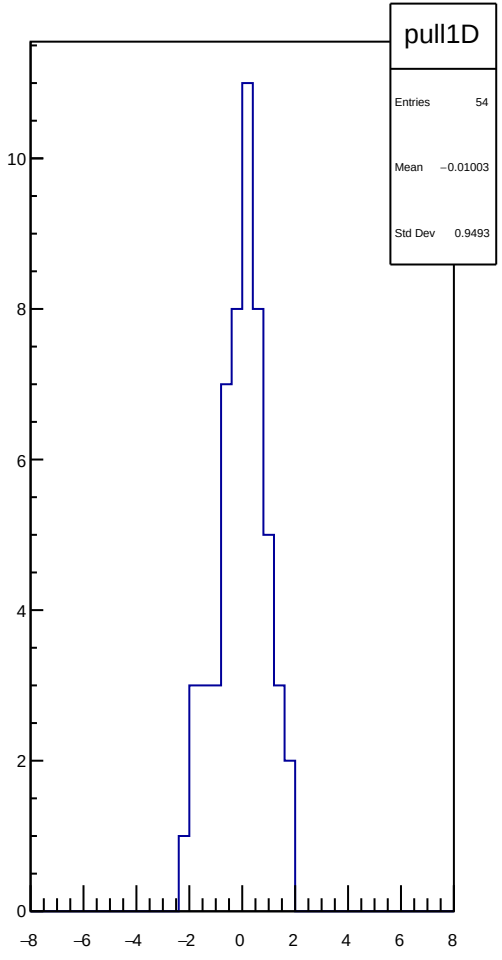

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 63.72 / 53
p0 115.8 ± 3.567
pull
Entries 54
Mean 55.12
Std Dev 0
pull1D
Entries 54
Mean 0.087
Std Dev 1.083

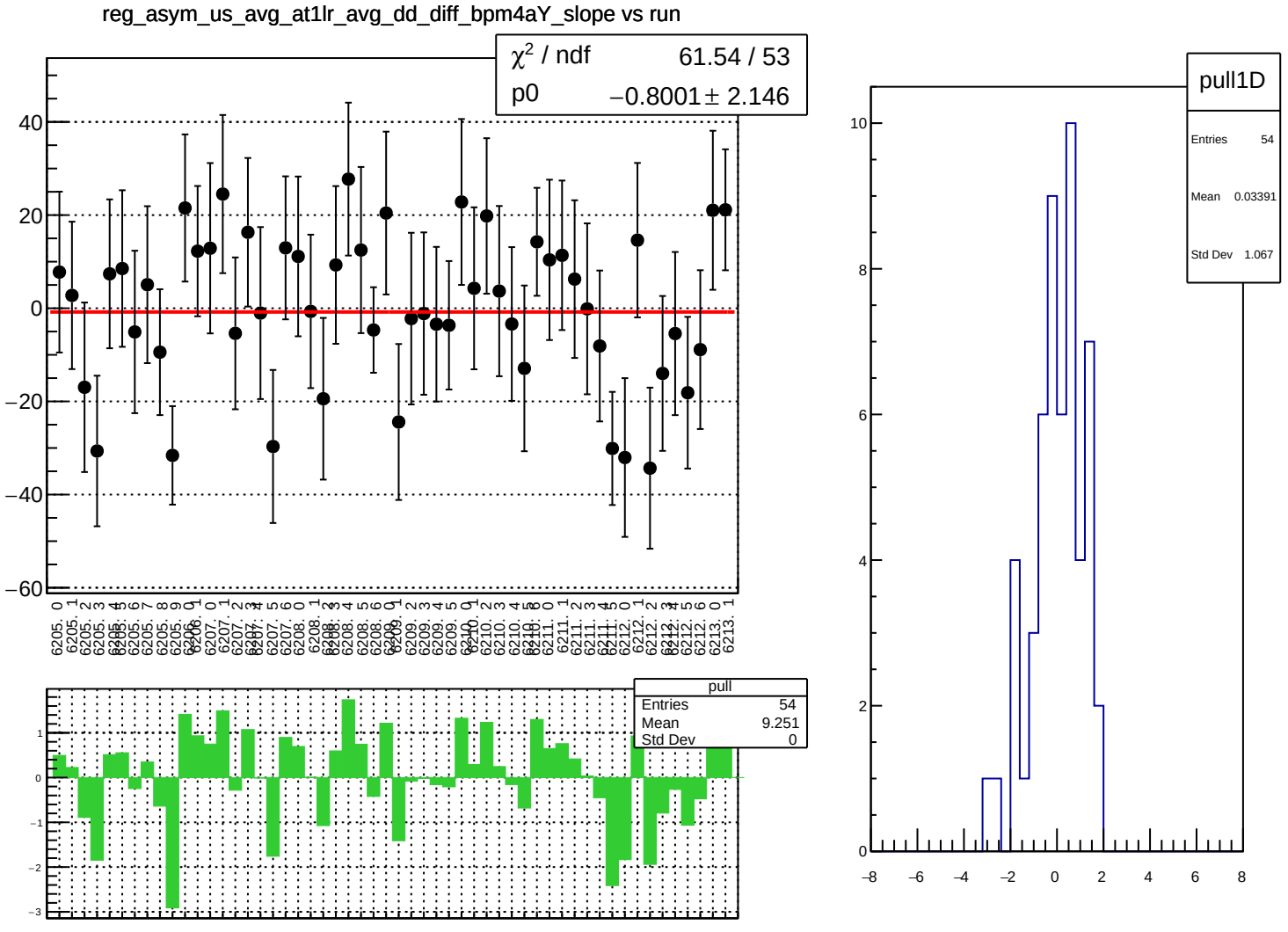

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 34.45 / 53
p0 26.6 ± 3.576
pull
Entries 54
Mean −3501
Std Dev 0

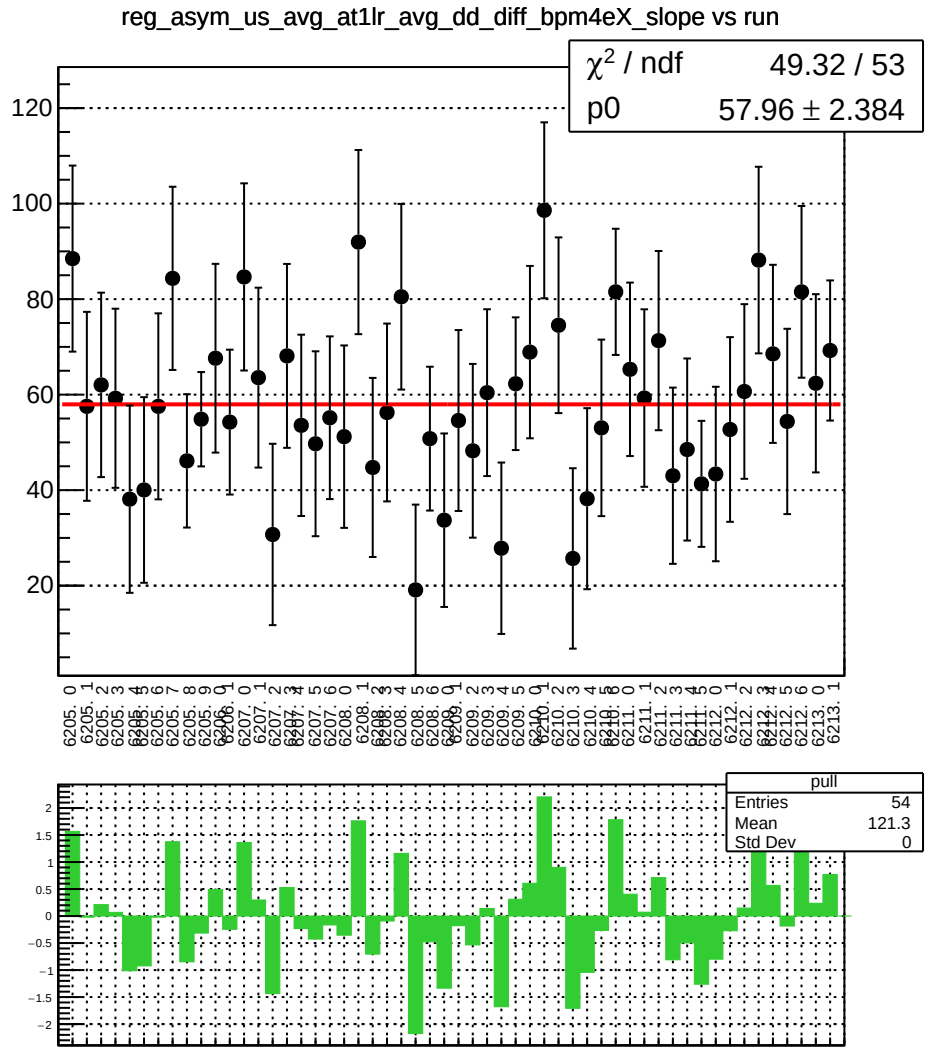

pull1D
Entries 54
Mean 0.0005033
Std Dev 0.7988

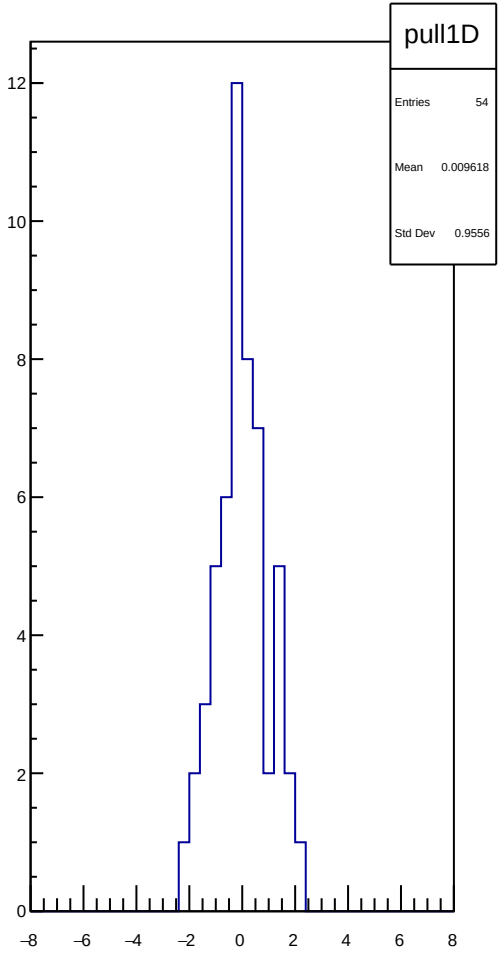

reg_asym_us_avg_at1lr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 43.13 / 53
p0 −53.84 ± 0.2944
pull
Entries 54
Mean −109.8
Std Dev 0
pull1D
Entries 54
Mean −0.01614
Std Dev 0.8936

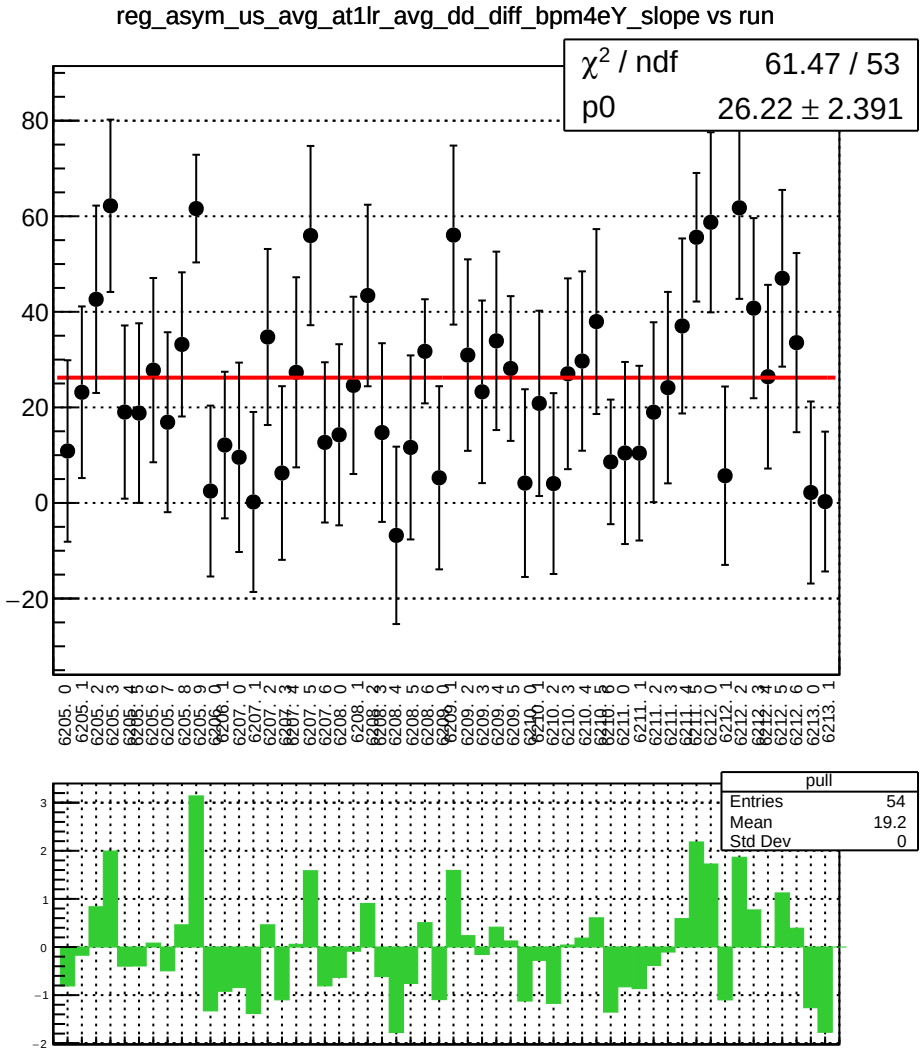

reg_asym_us_avg_at1lr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 48.67 / 53
p0 −39.68 ± 2.181
pull
Entries 54
Mean 15.9
Std Dev 59.83

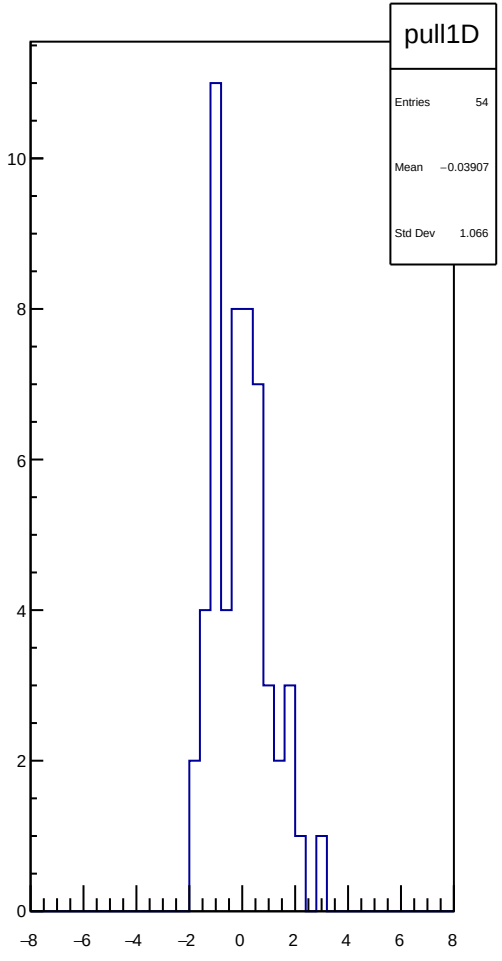

pull1D
Entries 54
Mean −0.01003
Std Dev 0.9493

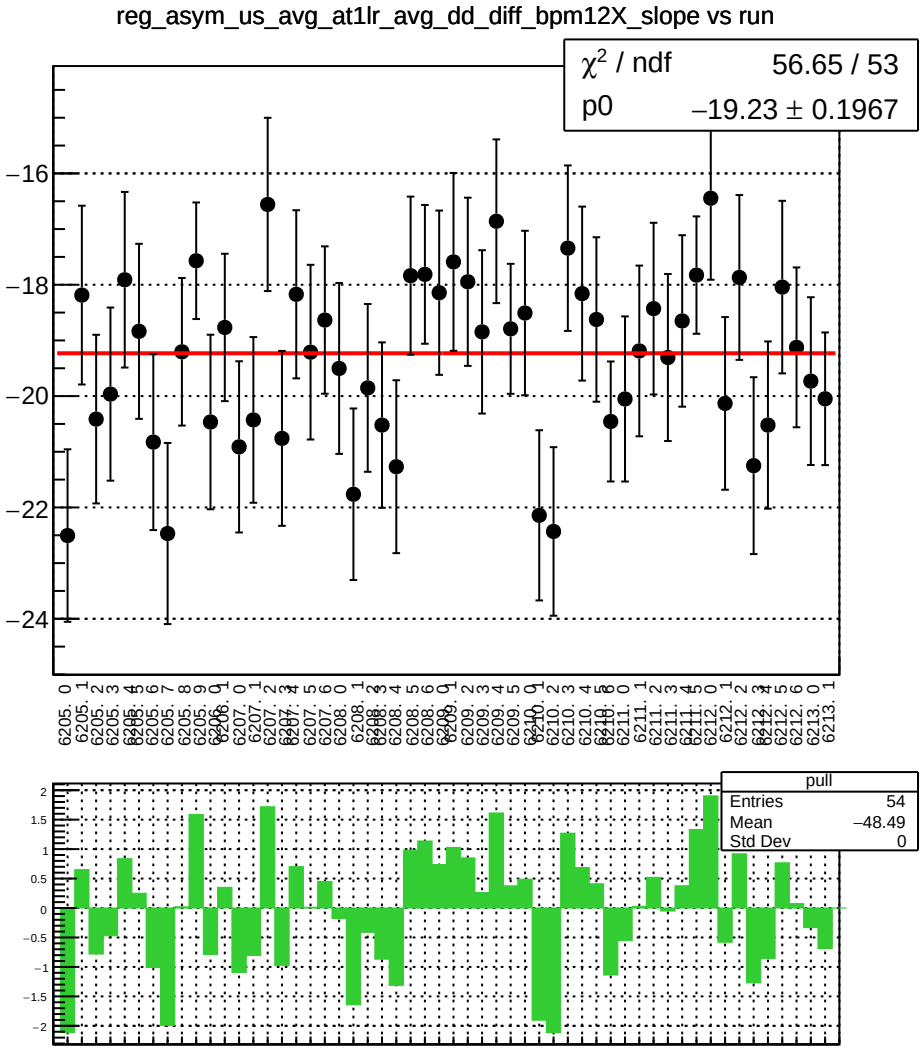

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 61.54 / 53
p0 −0.8001 ± 2.146
pull
Entries 54
Mean 9.251
Std Dev 0
pull1D
Entries 54
Mean 0.03391
Std Dev 1.067

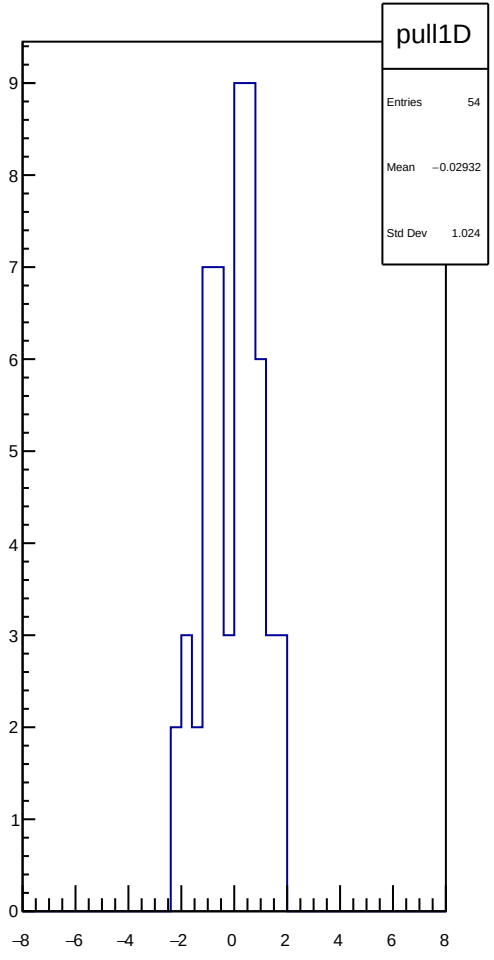

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 49.32 / 53
p0 57.96 ± 2.384
pull
Entries 54
Mean 121.3
Std Dev 0

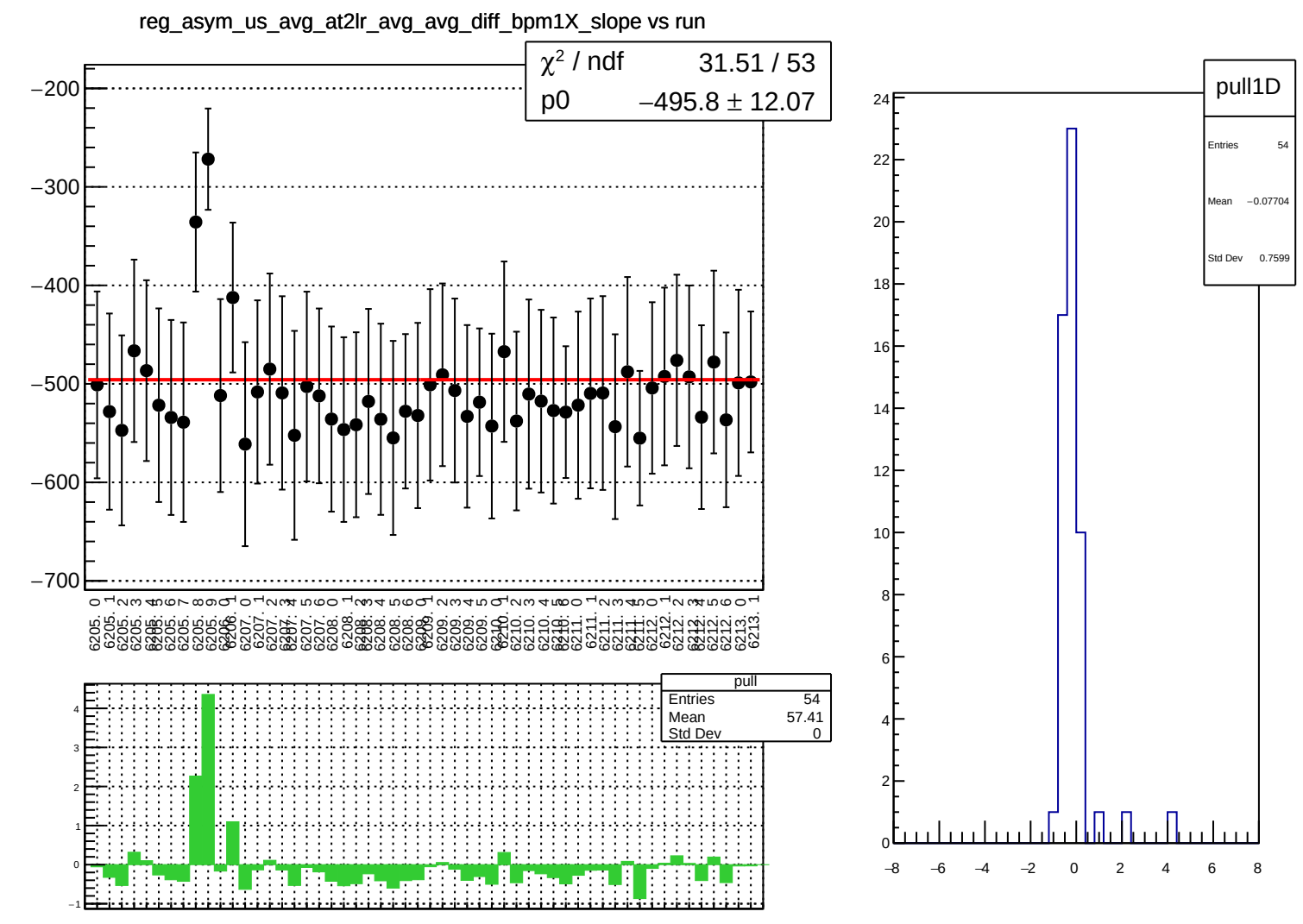

pull1D
Entries 54
Mean 0.009618
Std Dev 0.9556

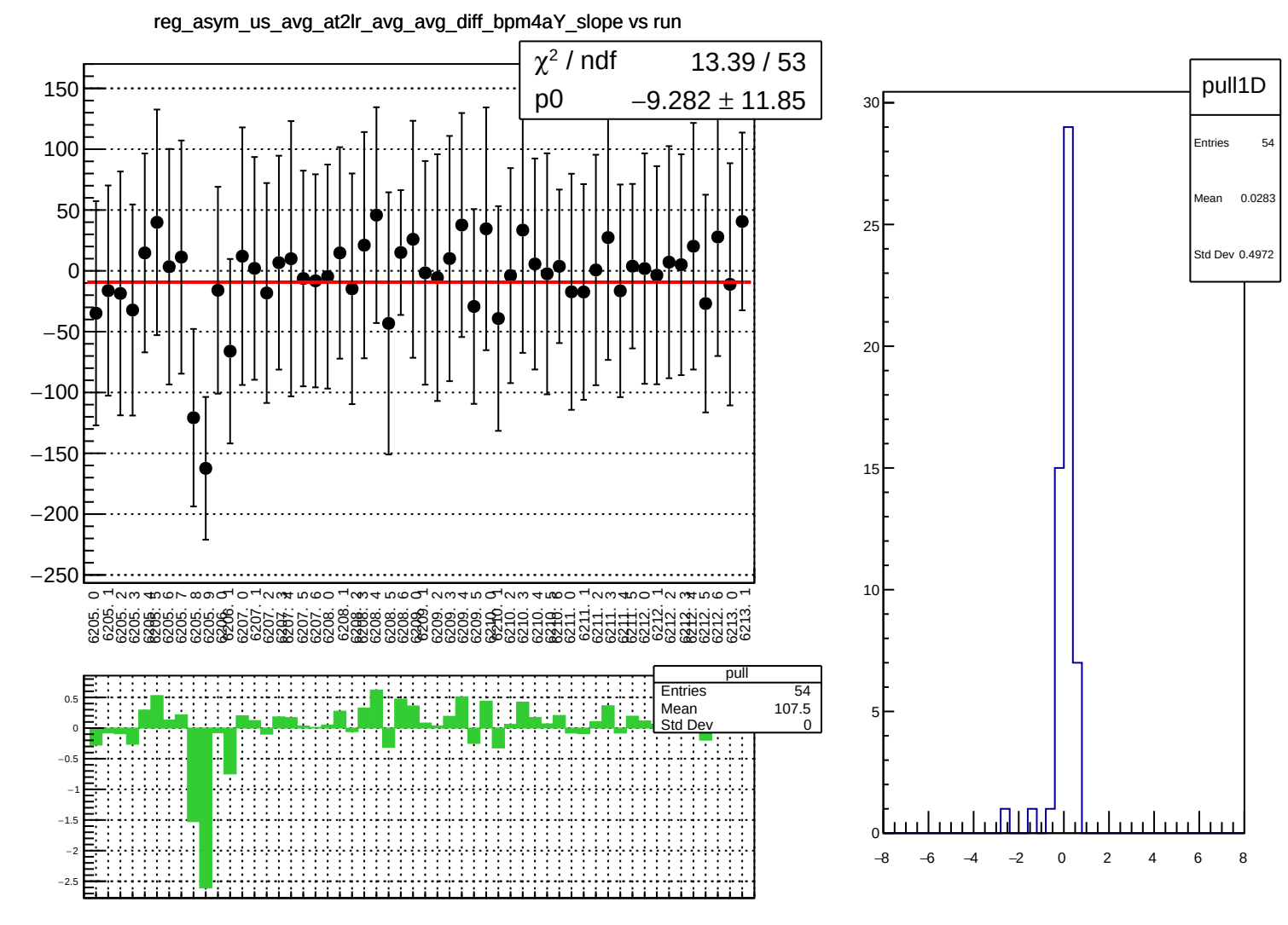

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 61.47 / 53
p0 26.22 ± 2.391
pull
Entries 54
Mean 19.2
Std Dev 0

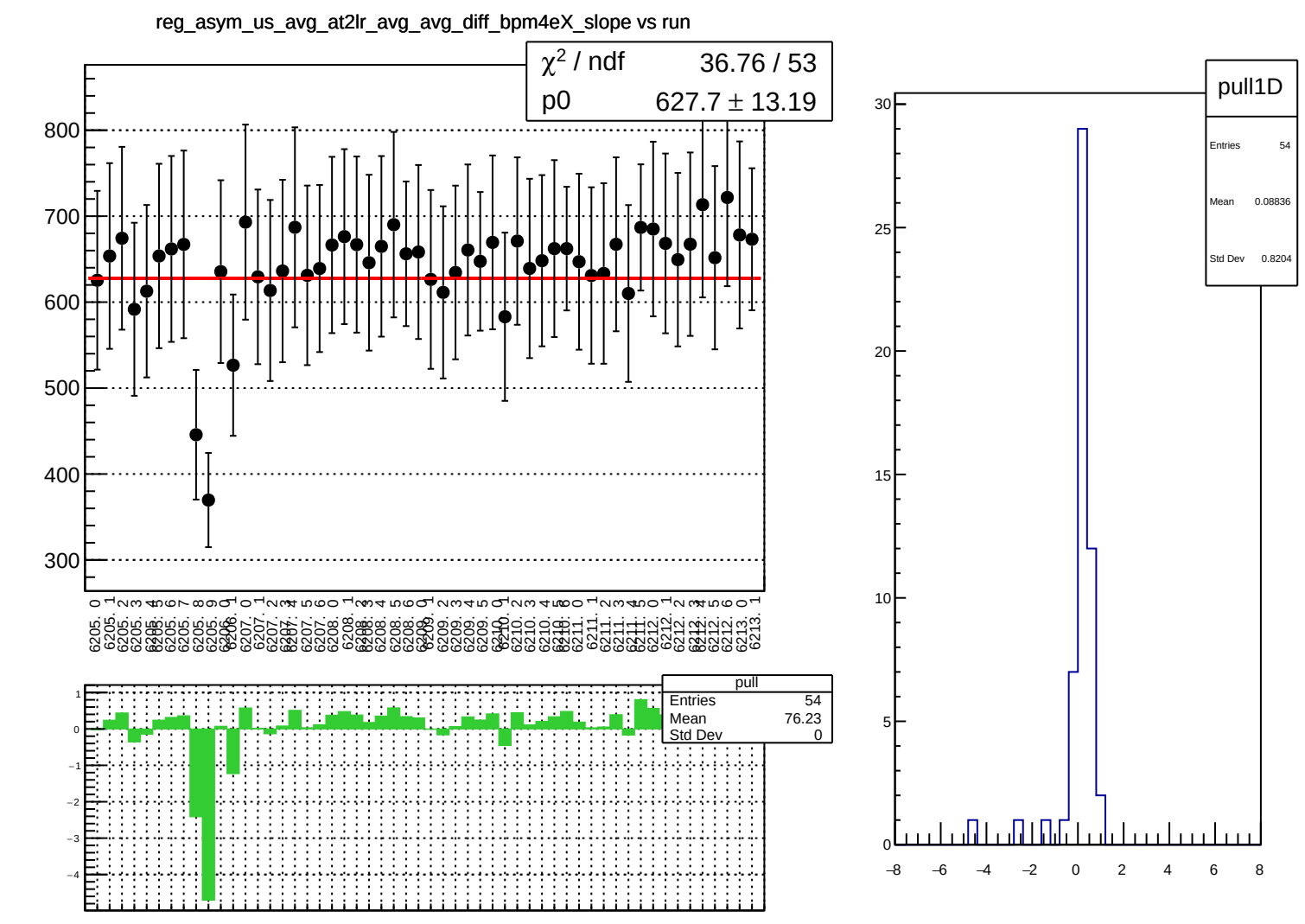

pull1D
Entries 54
Mean −0.03907
Std Dev 1.066

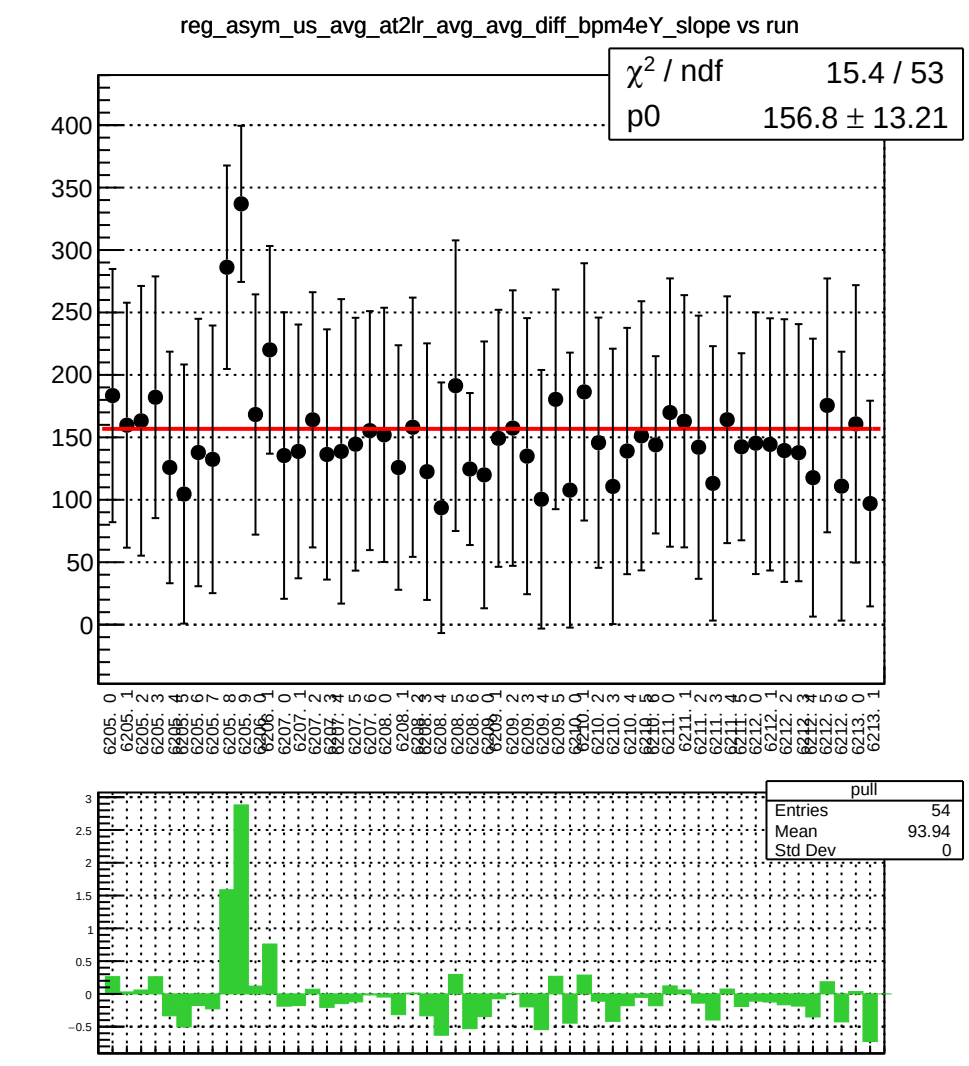

reg_asym_us_avg_at1lr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 56.65 / 53
p0 −19.23 ± 0.1967
pull
Entries 54
Mean −48.49
Std Dev 0

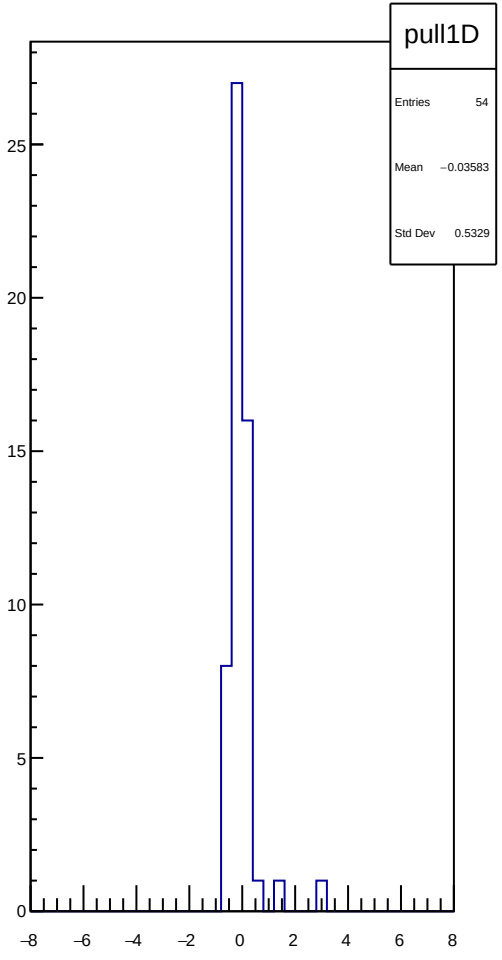

pull1D
Entries 54
Mean −0.02932
Std Dev 1.024

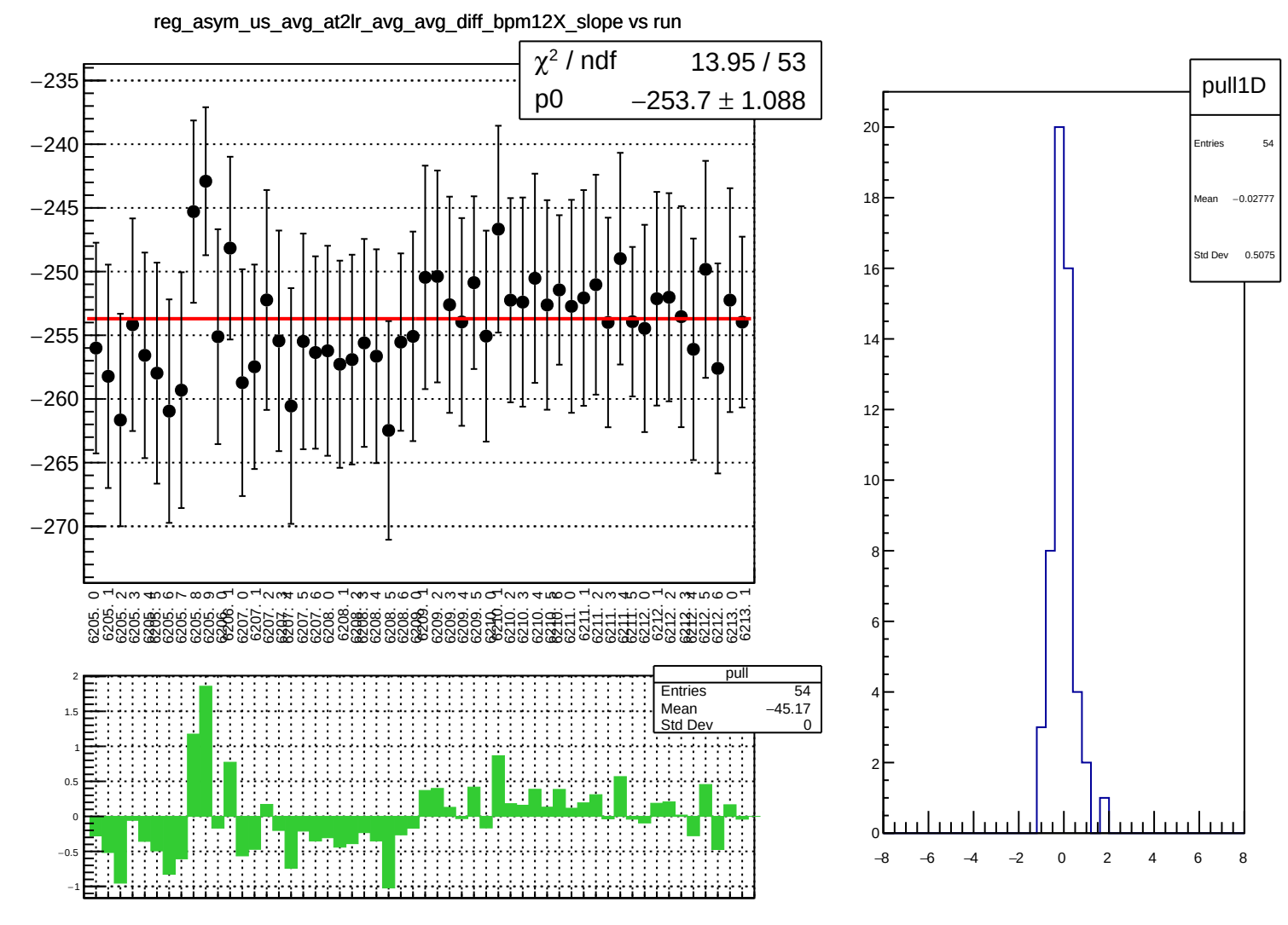

reg_asym_us_avg_at2lr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 31.51 / 53
p0 −495.8 ± 12.07
pull
Entries 54
Mean 57.41
Std Dev 0
pull1D
Entries 54
Mean −0.07704
Std Dev 0.7599

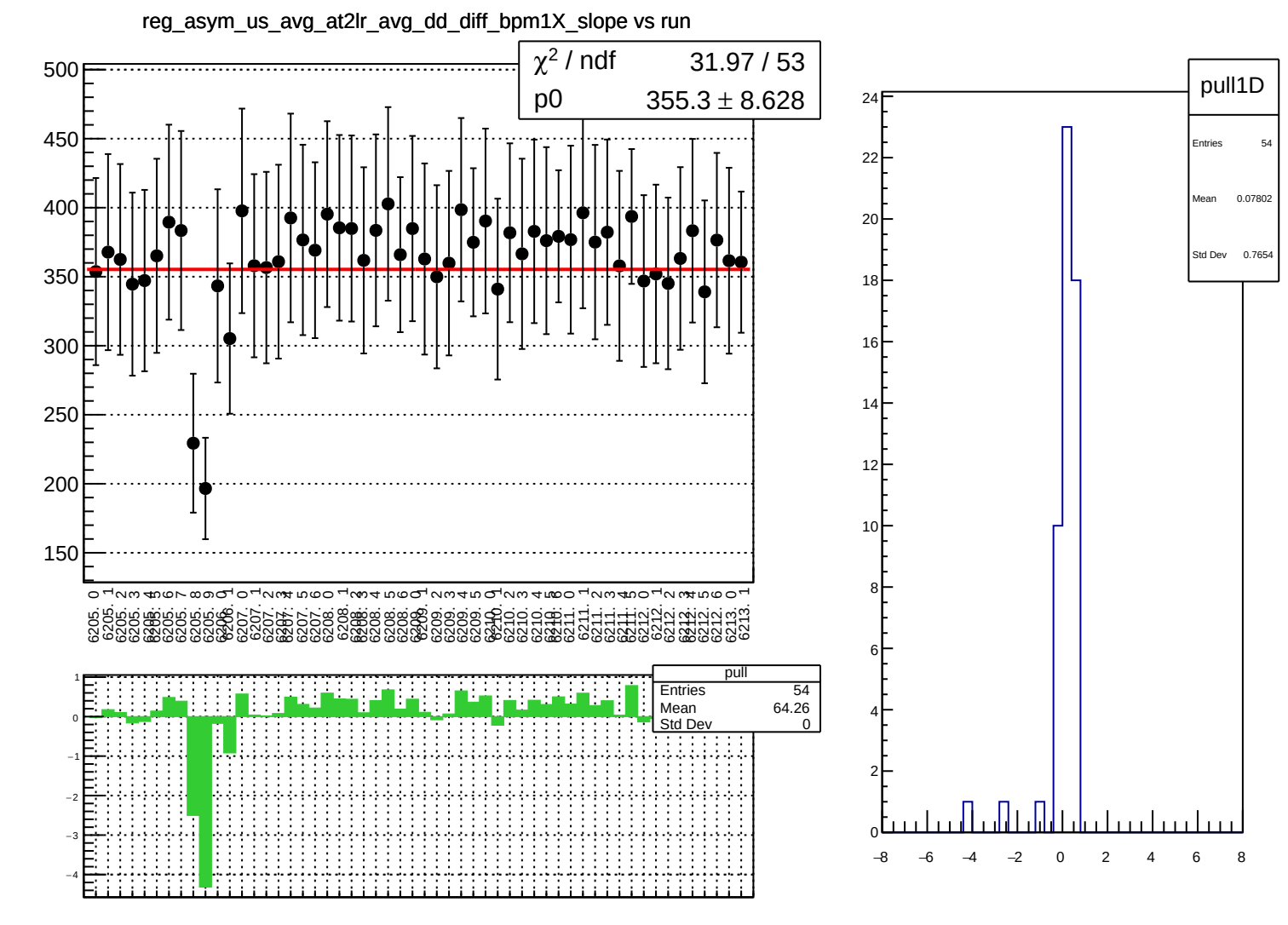

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 13.39 / 53
p0 −9.282 ± 11.85
pull
Entries 54
Mean 107.5
Std Dev 0
pull1D
Entries 54
Mean 0.0283
Std Dev 0.4972

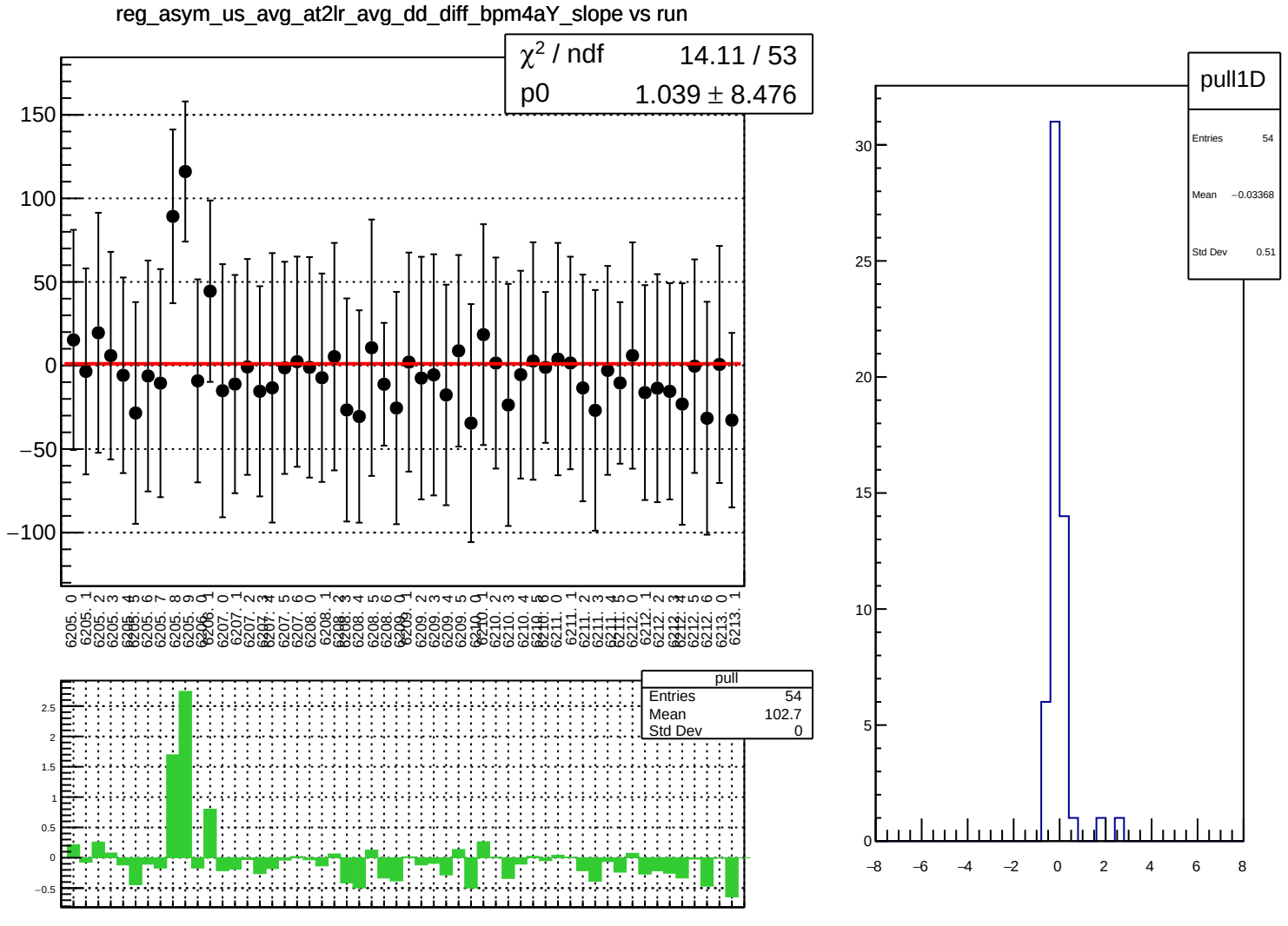

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 36.76 / 53
p0 627.7 ± 13.19
pull
Entries 54
Mean 76.23
Std Dev 0
pull1D
Entries 54
Mean 0.08836
Std Dev 0.8204

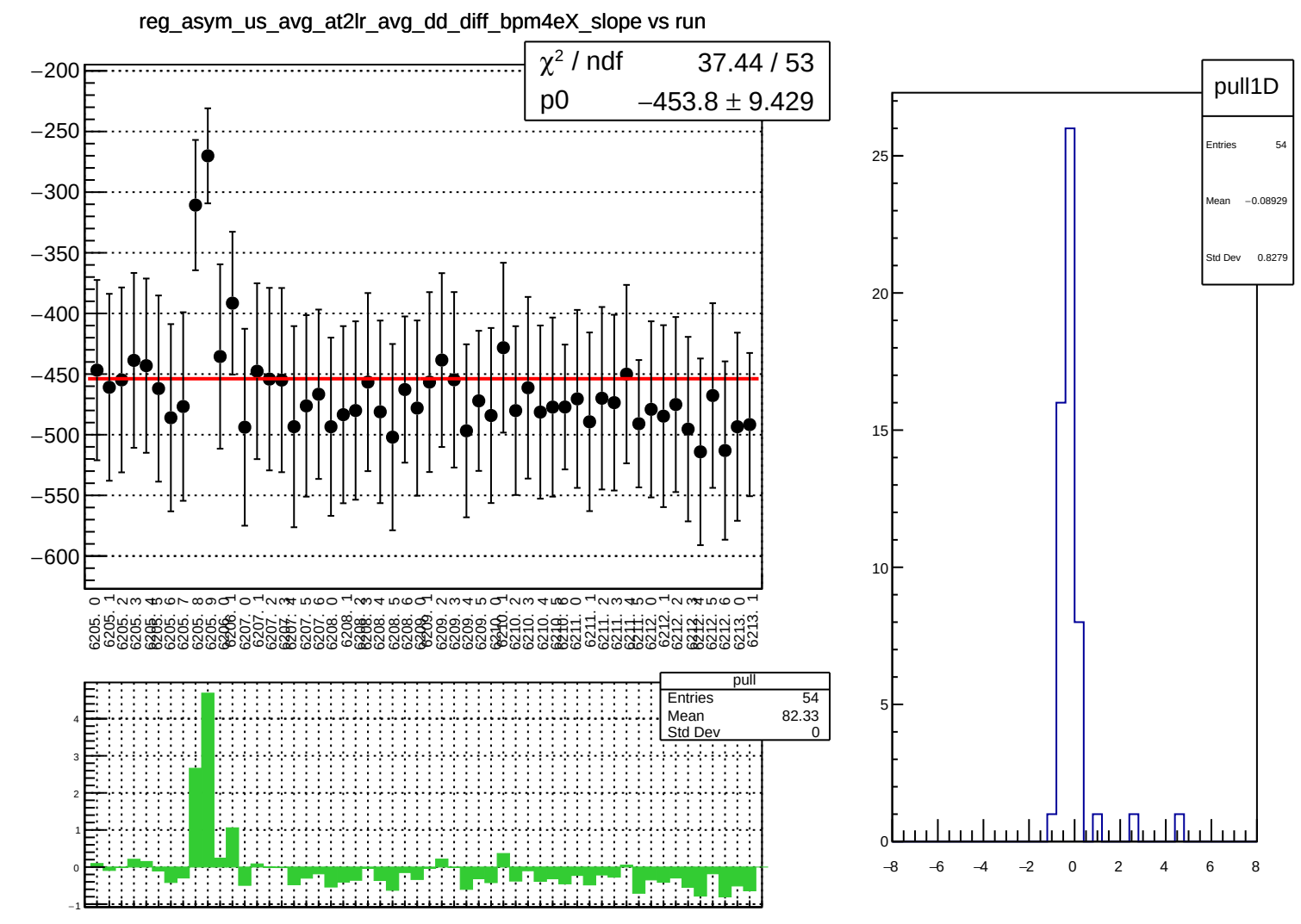

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 15.4 / 53
p0 156.8 ± 13.21
pull
Entries 54
Mean 93.94
Std Dev 0

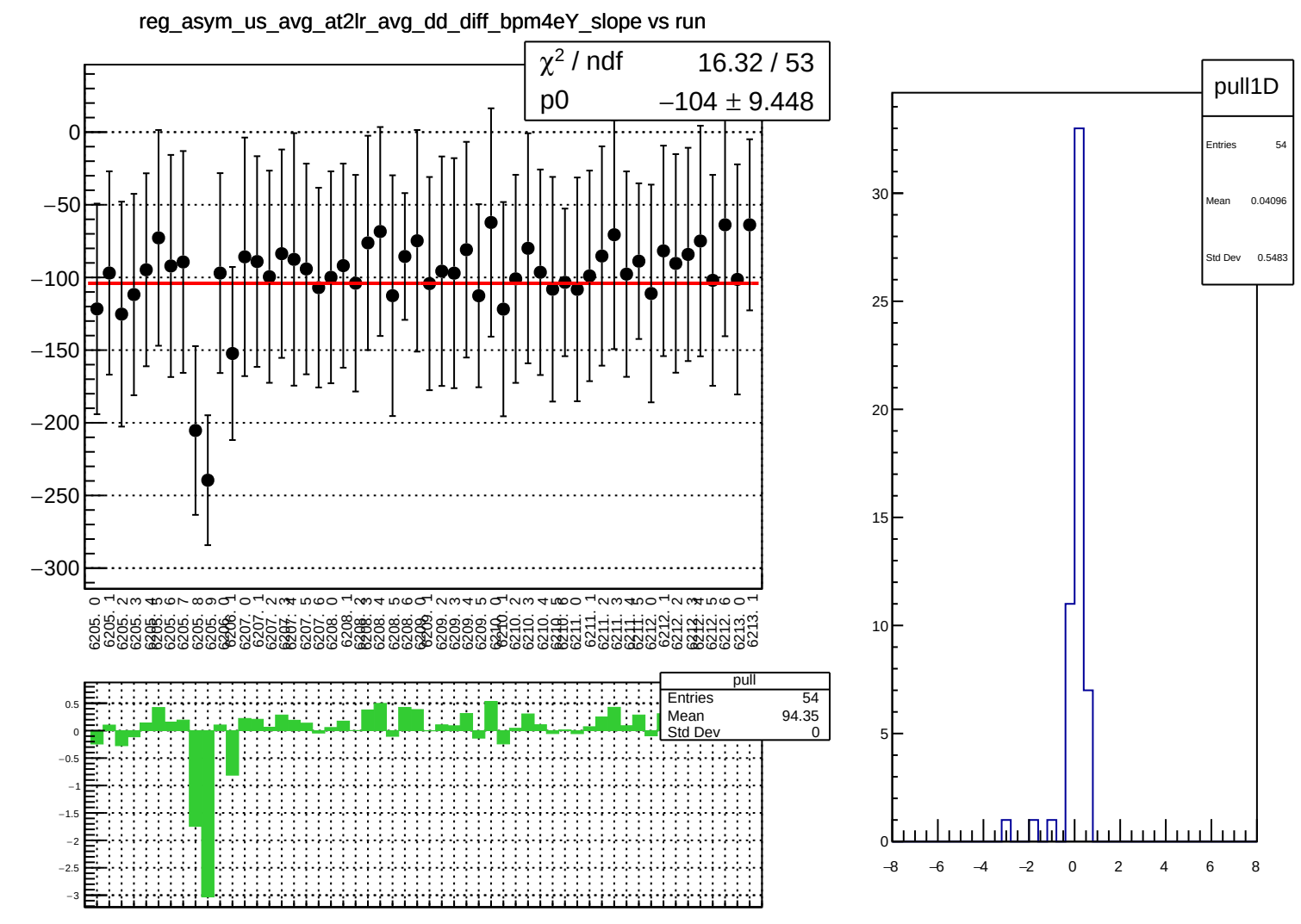

pull1D
Entries 54
Mean −0.03583
Std Dev 0.5329

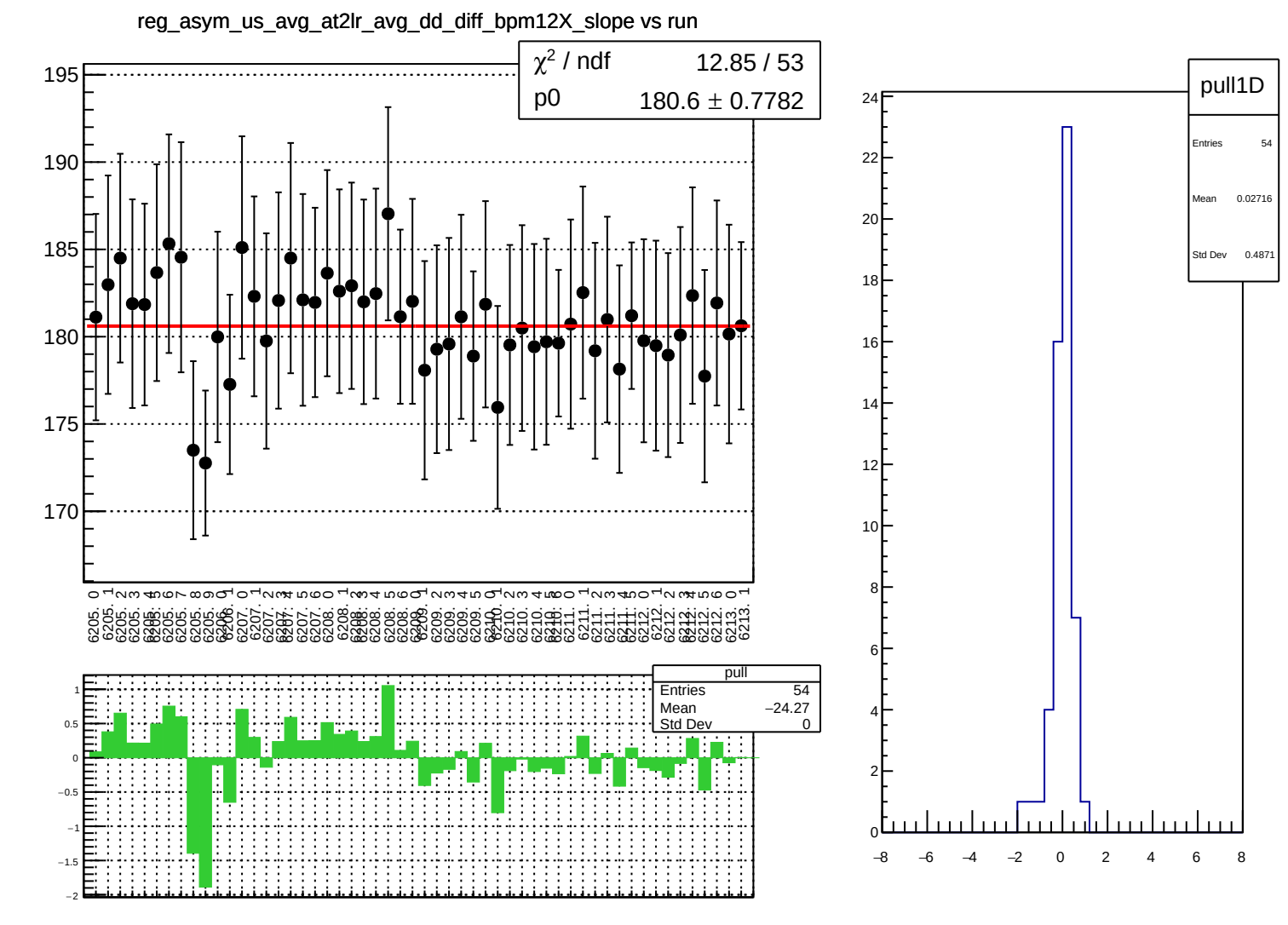

reg_asym_us_avg_at2lr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 13.95 / 53
p0 −253.7 ± 1.088
pull
Entries 54
Mean −45.17
Std Dev 0
pull1D
Entries 54
Mean −0.02777
Std Dev 0.5075

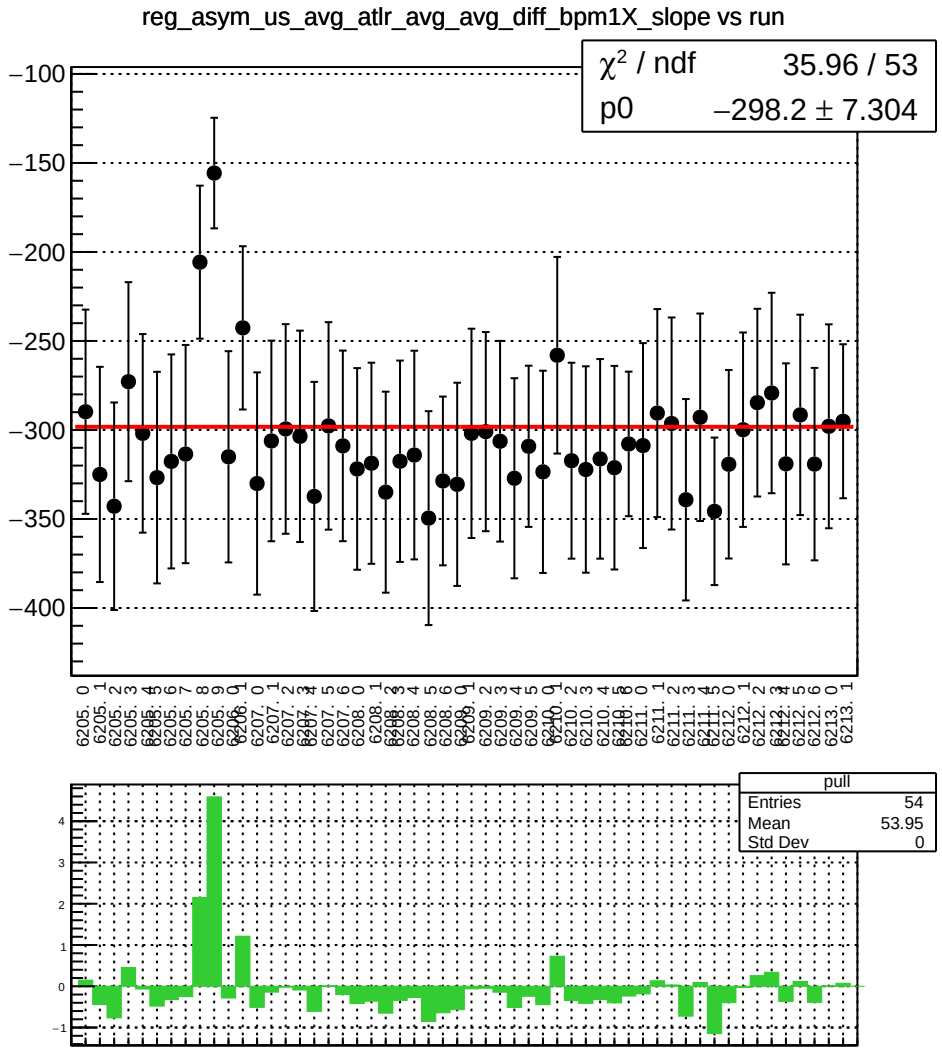

reg_asym_us_avg_at2lr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 31.97 / 53
p0 355.3 ± 8.628
pull
Entries 54
Mean 64.26
Std Dev 0
pull1D
Entries 54
Mean 0.07802
Std Dev 0.7654

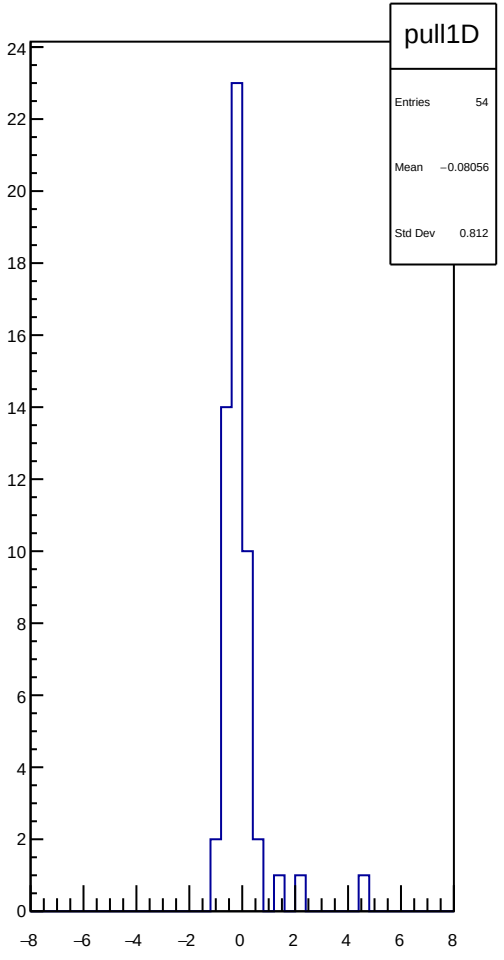

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 14.11 / 53
p0 1.039 ± 8.476
150
100
50
0
−50
−100
pull
Entries 54
Mean 102.7
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
pull1D
Entries 54
Mean −0.03368
Std Dev 0.51
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

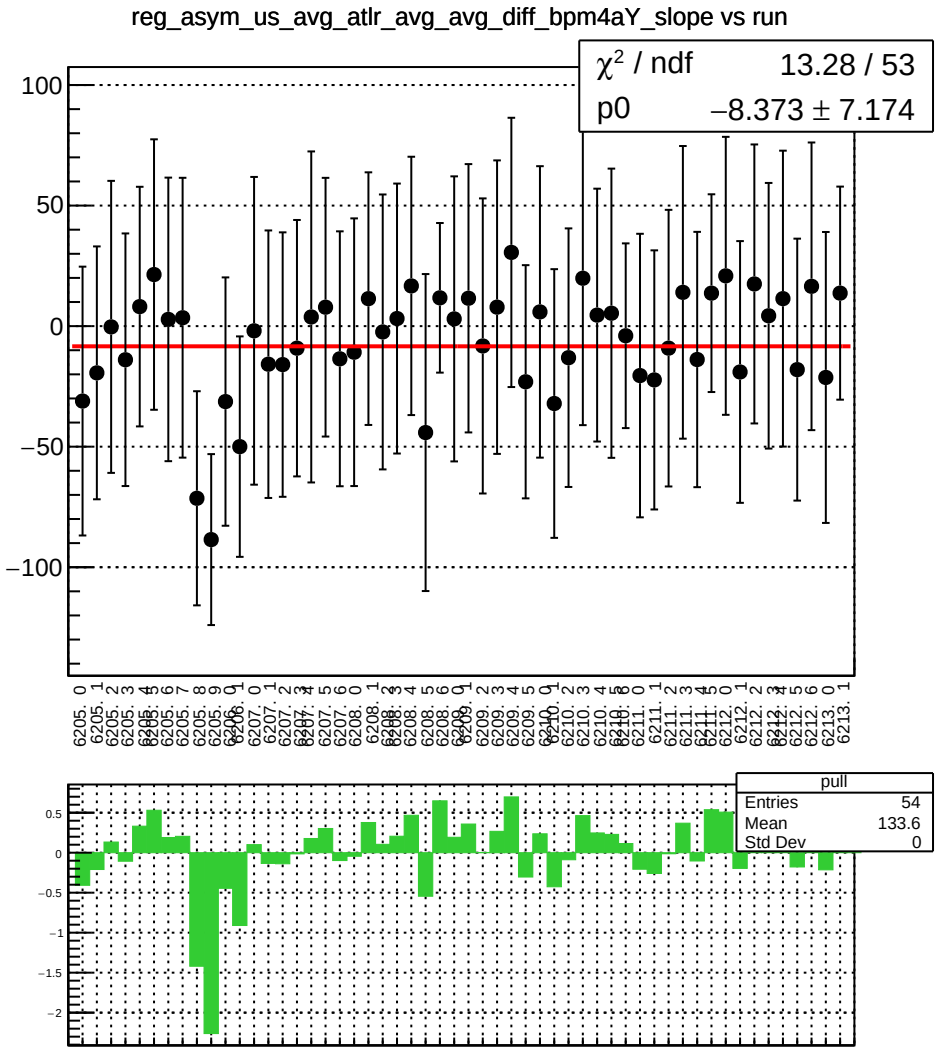

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 37.44 / 53
p0 −453.8 ± 9.429
pull
Entries 54
Mean 82.33
Std Dev 0
pull1D
Entries 54
Mean −0.08929
Std Dev 0.8279

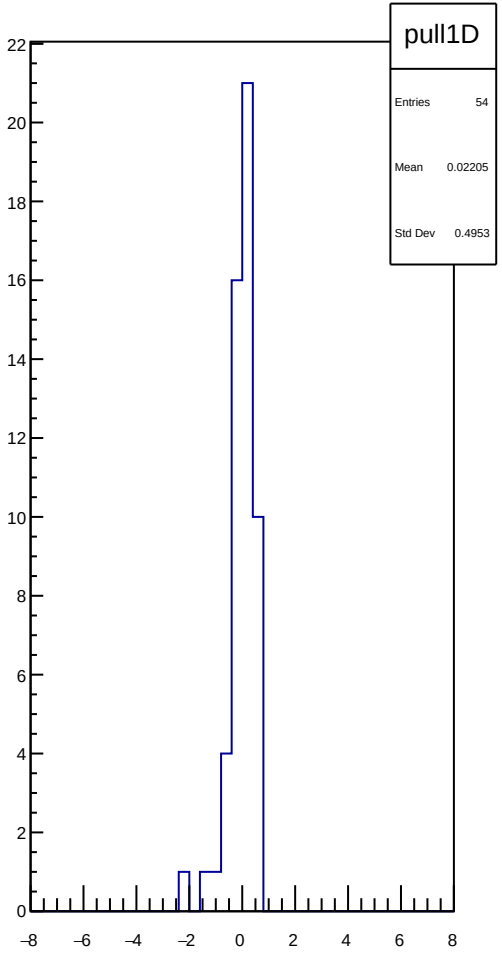

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 16.32 / 53
p0 −104 ± 9.448
pull
Entries 54
Mean 94.35
Std Dev 0
pull1D
Entries 54
Mean 0.04096
Std Dev 0.5483

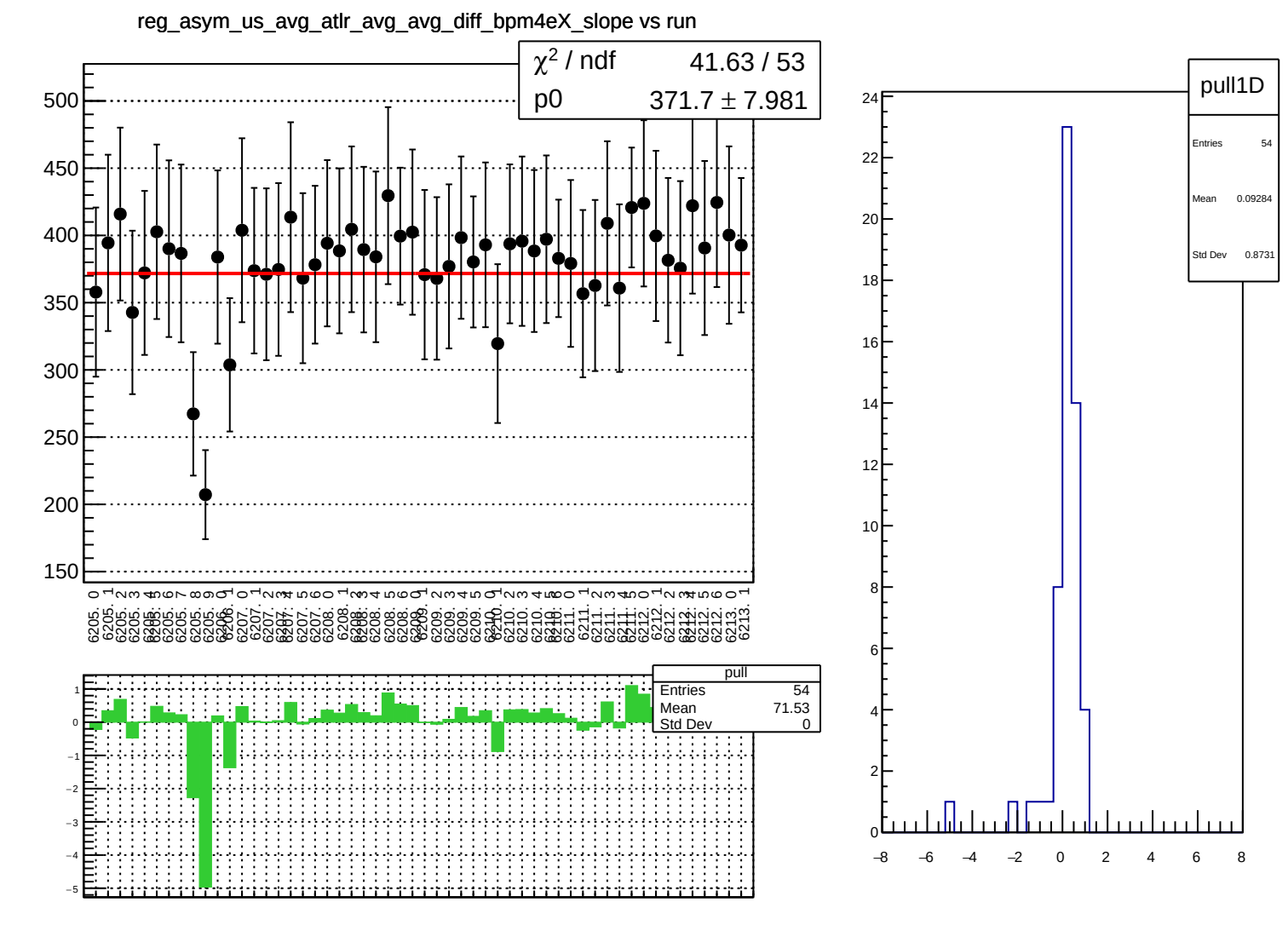

reg_asym_us_avg_at2lr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 12.85 / 53
p0 180.6 ± 0.7782
pull
Entries 54
Mean −24.27
Std Dev 0
pull1D
Entries 54
Mean 0.02716
Std Dev 0.4871

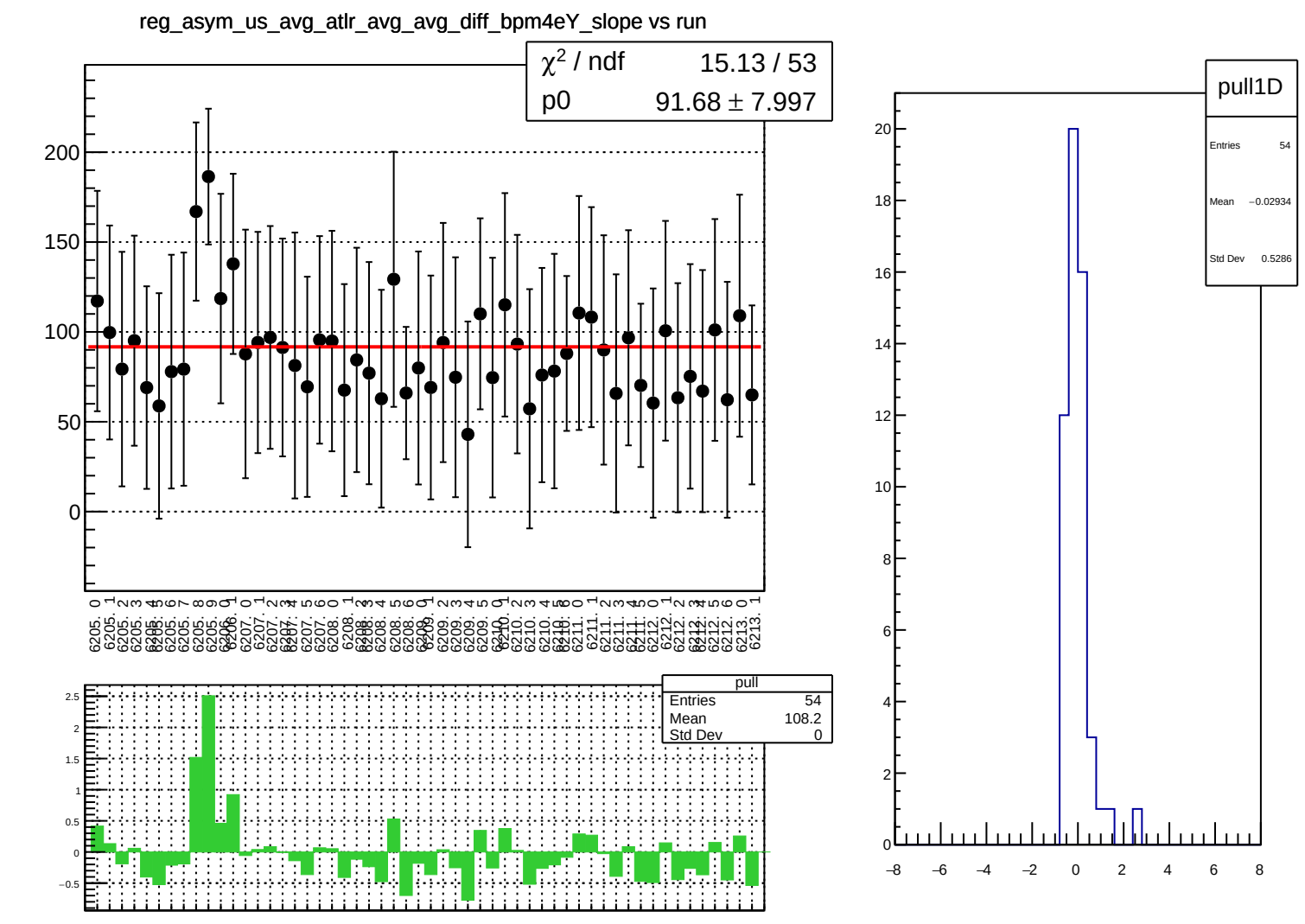

reg_asym_us_avg_atlr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 35.96 / 53
p0 −298.2 ± 7.304
pull
Entries 54
Mean 53.95
Std Dev 0

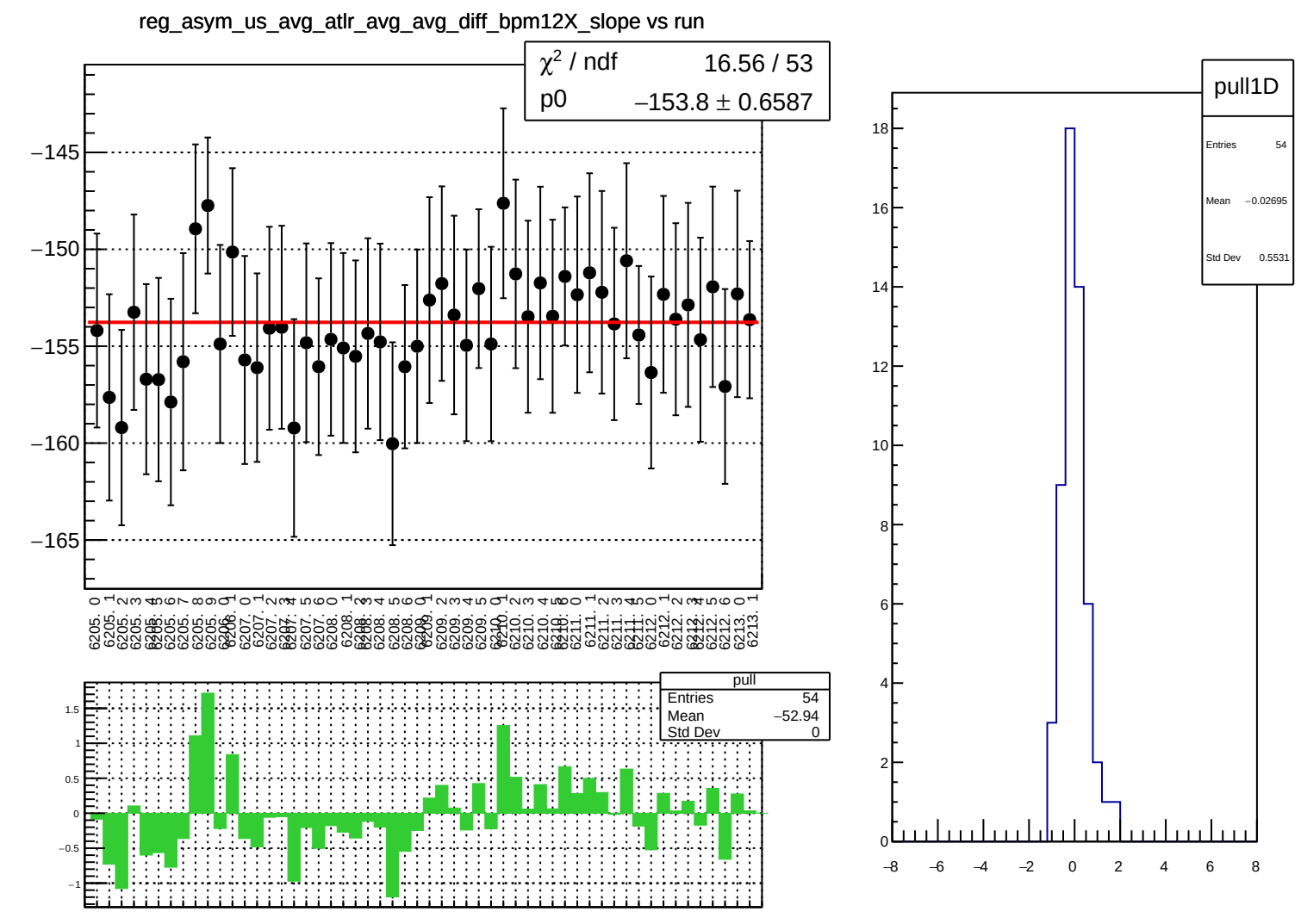

pull1D
Entries 54
Mean −0.08056
Std Dev 0.812

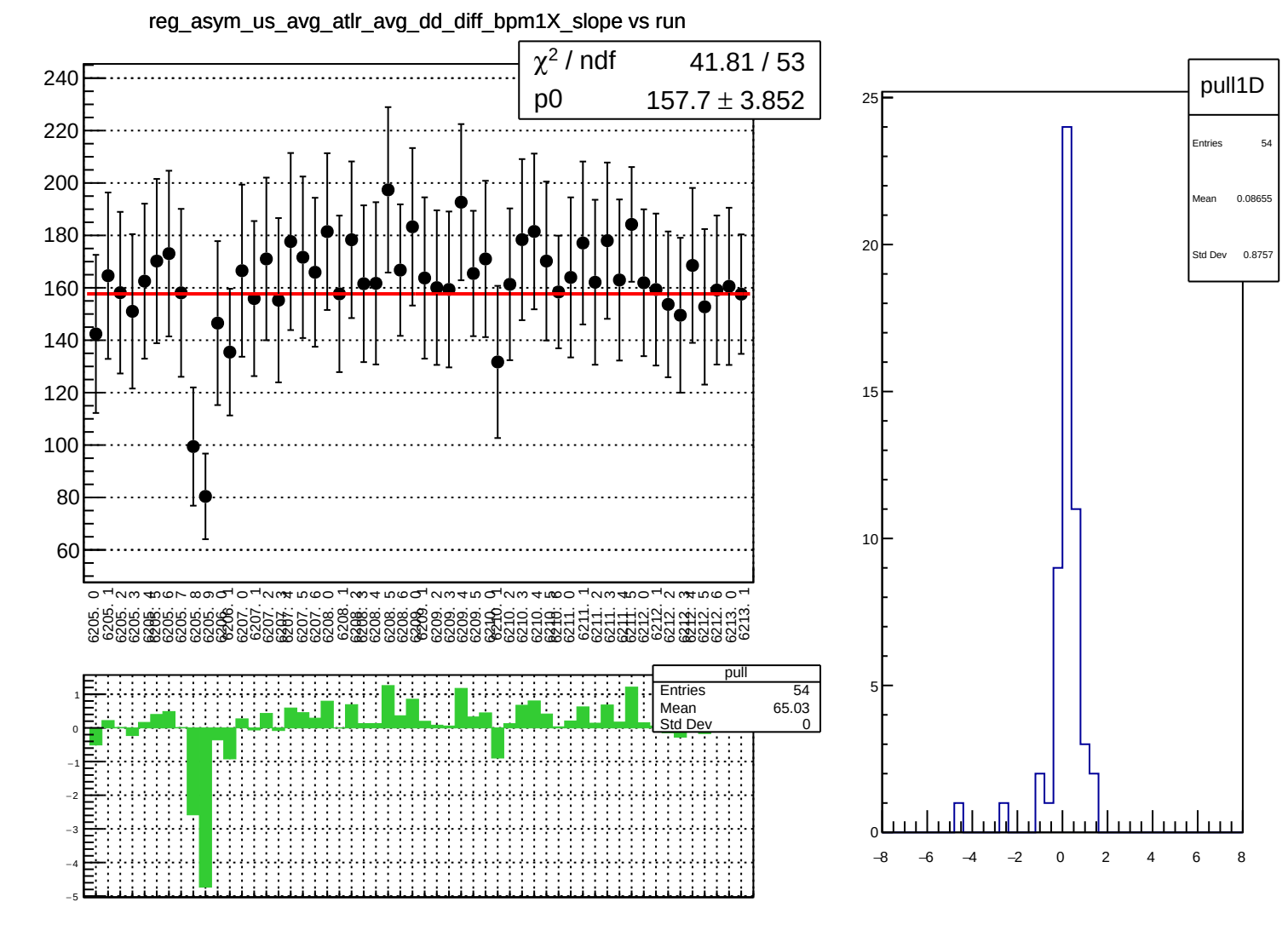

reg_asym_us_avg_atlr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 13.28 / 53
p0 −8.373 ± 7.174
pull
Entries 54
Mean 133.6
Std Dev 0

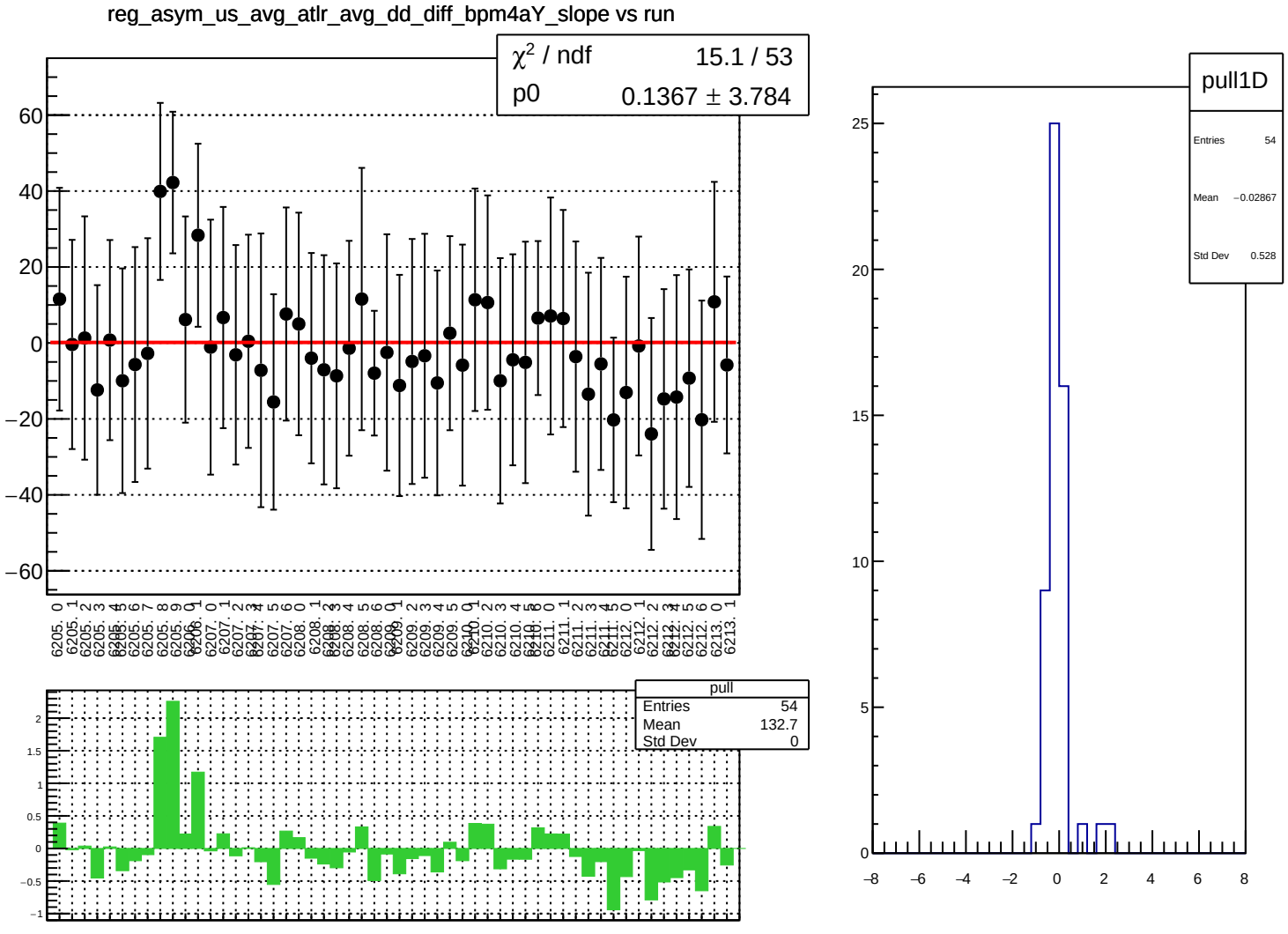

pull1D
Entries 54
Mean 0.02205
Std Dev 0.4953

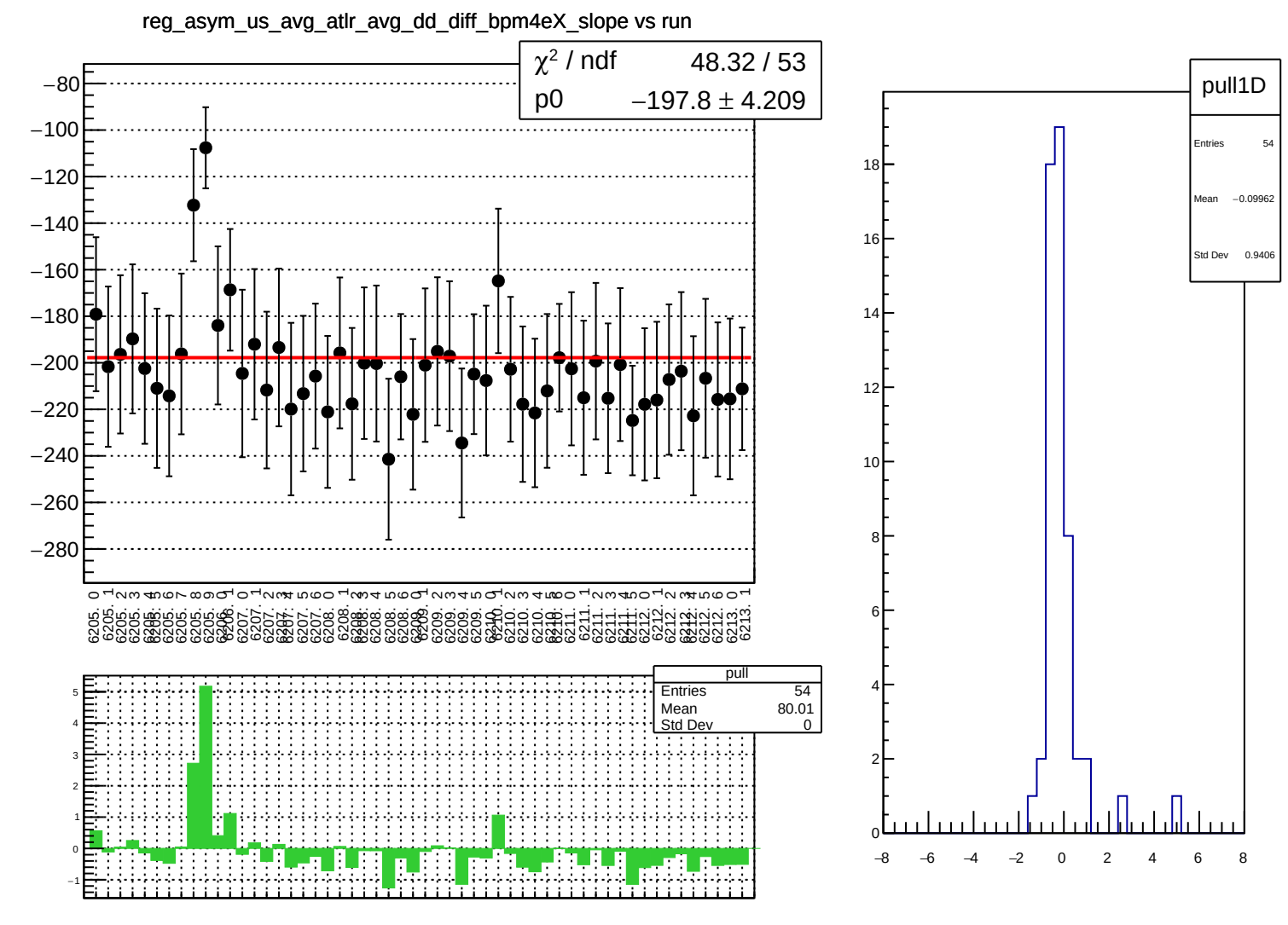

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 41.63 / 53
p0 371.7 ± 7.981
pull
Entries 54
Mean 71.53
Std Dev 0
pull1D
Entries 54
Mean 0.09284
Std Dev 0.8731

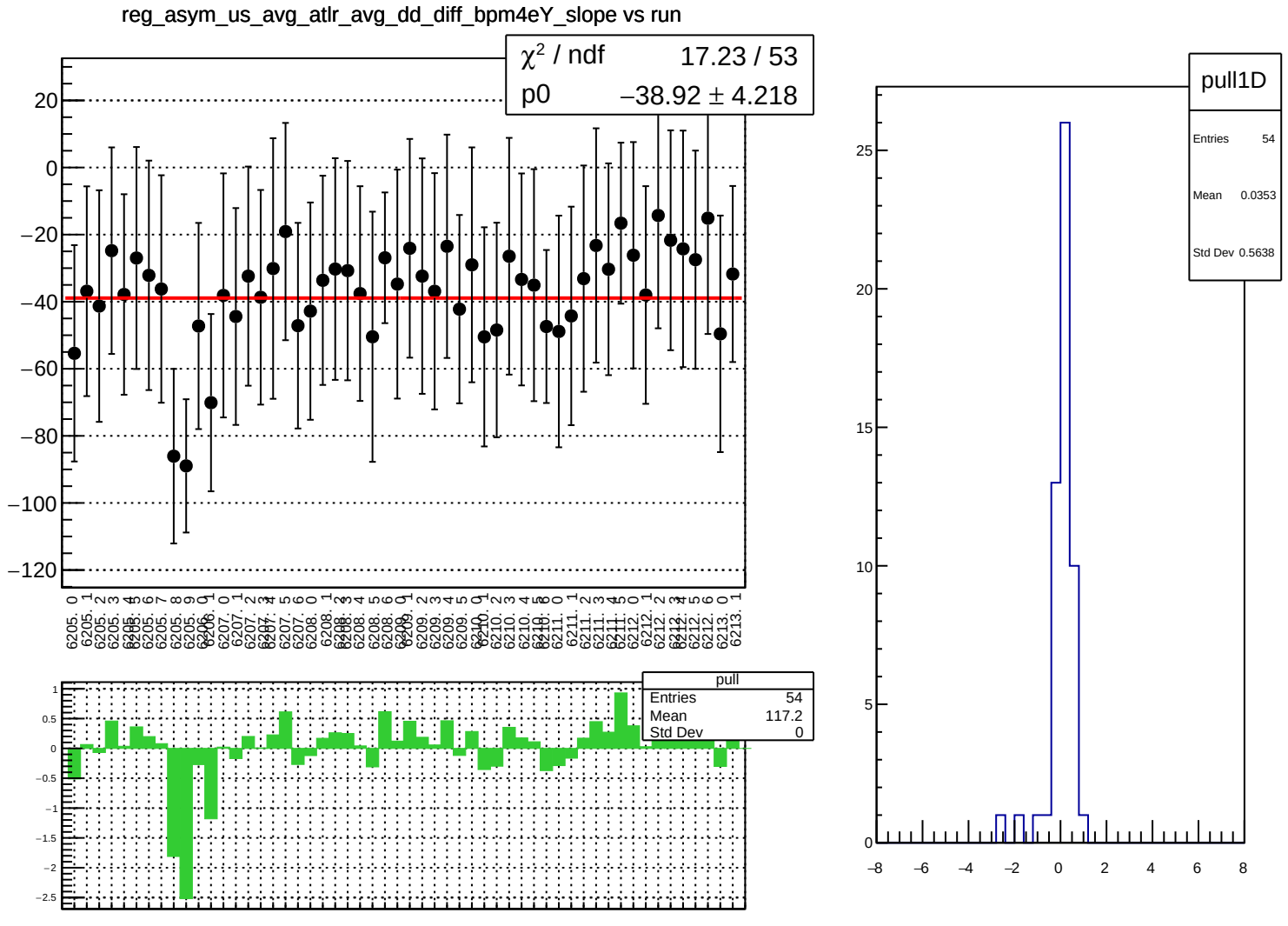

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 15.13 / 53
p0 91.68 ± 7.997
200
150
100
50
0
pull
Entries 54
Mean 108.2
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
pull1D
Entries 54
Mean −0.02934
Std Dev 0.5286
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

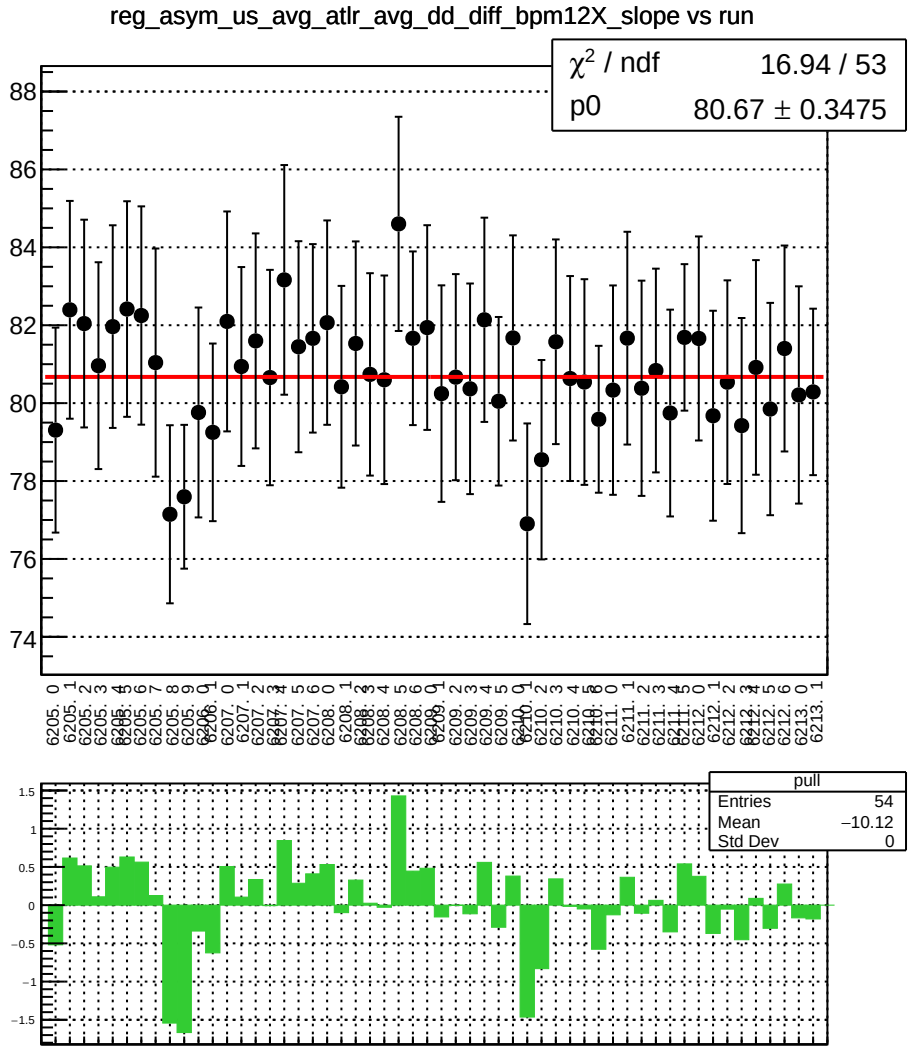

reg_asym_us_avg_atlr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 16.56 / 53
p0 −153.8 ± 0.6587
pull
Entries 54
Mean −52.94
Std Dev 0
pull1D
Entries 54
Mean −0.02695
Std Dev 0.5531

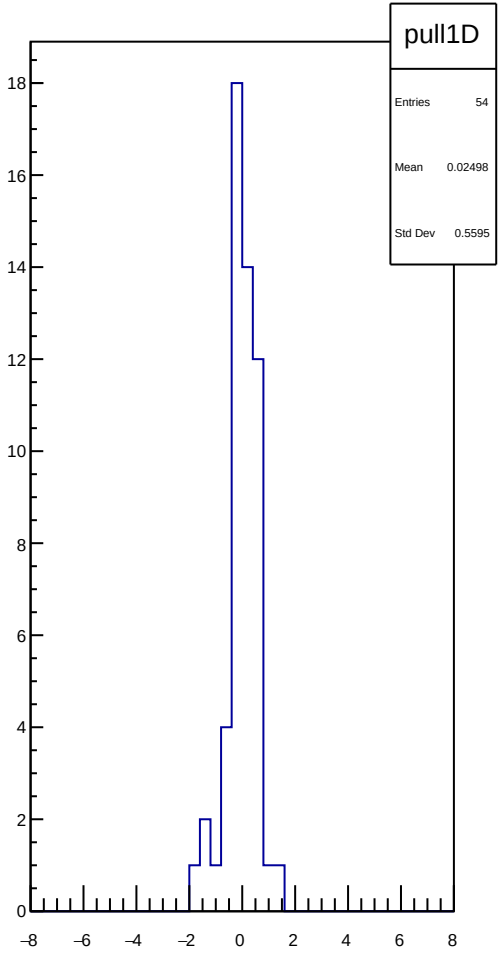

reg_asym_us_avg_atlr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 41.81 / 53
p0 157.7 ± 3.852
pull
Entries 54
Mean 65.03
Std Dev 0
pull1D
Entries 54
Mean 0.08655
Std Dev 0.8757

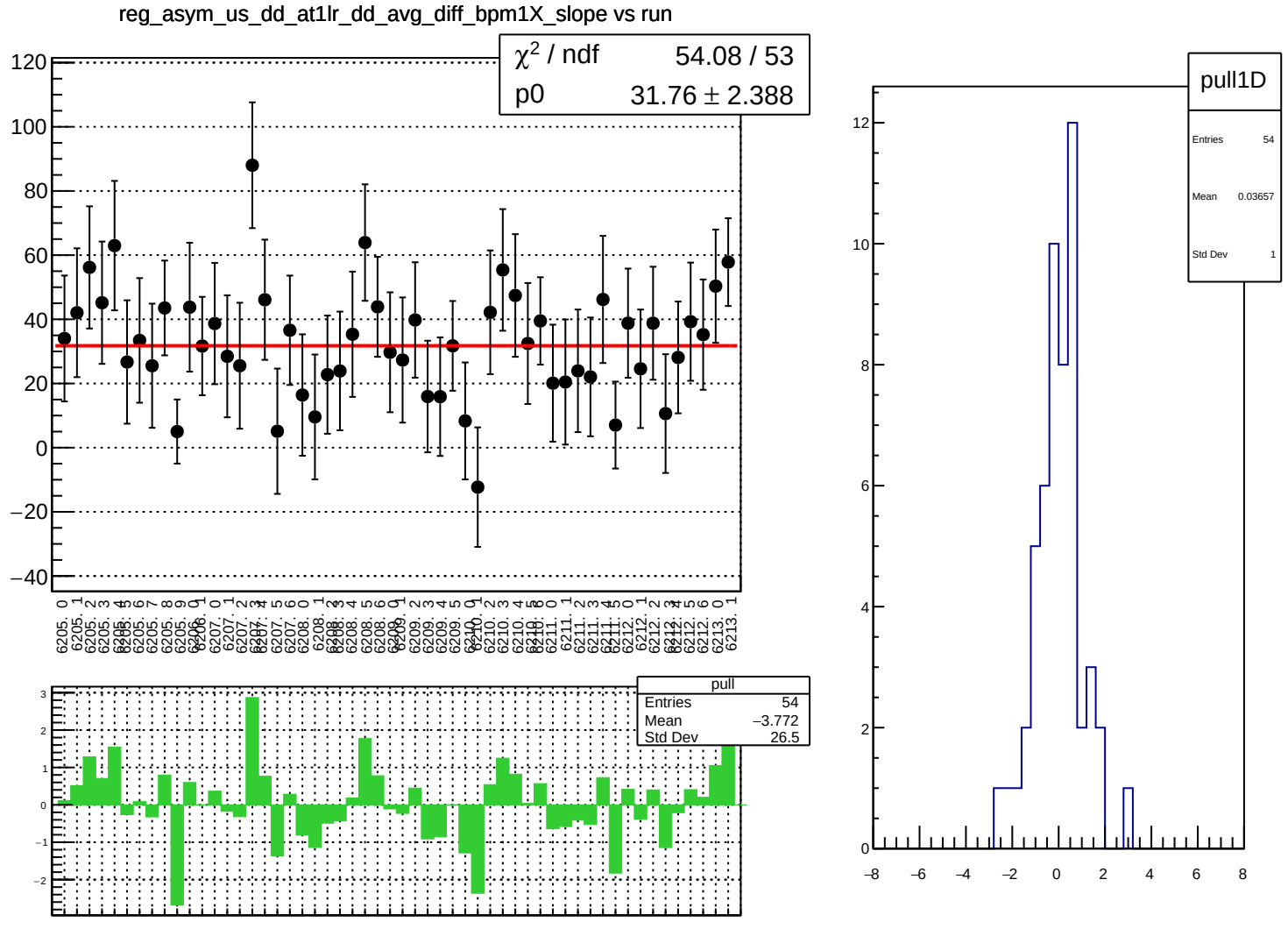

reg_asym_us_avg_atlr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 15.1 / 53
p0 0.1367 ± 3.784
pull
Entries 54
Mean 132.7
Std Dev 0
pull1D
Entries 54
Mean −0.02867
Std Dev 0.528

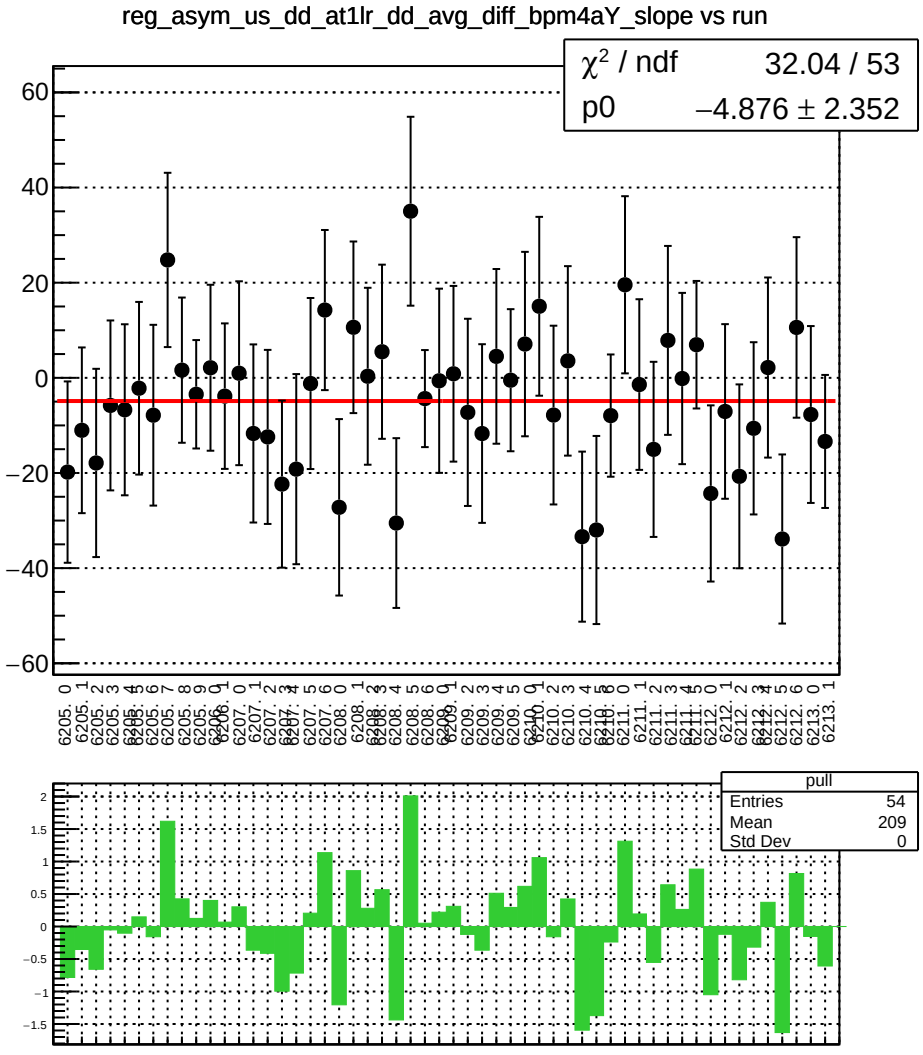

reg_asym_us_avg_atlr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 48.32 / 53
p0 −197.8 ± 4.209
pull
Entries 54
Mean 80.01
Std Dev 0
pull1D
Entries 54
Mean −0.09962
Std Dev 0.9406

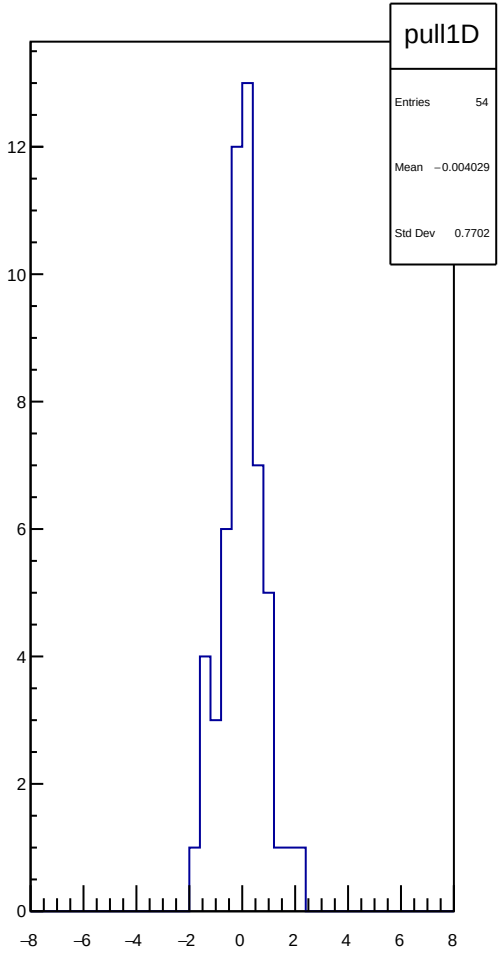

reg_asym_us_avg_atlr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 17.23 / 53
p0 −38.92 ± 4.218
pull
Entries 54
Mean 117.2
Std Dev 0
pull1D
Entries 54
Mean 0.0353
Std Dev 0.5638

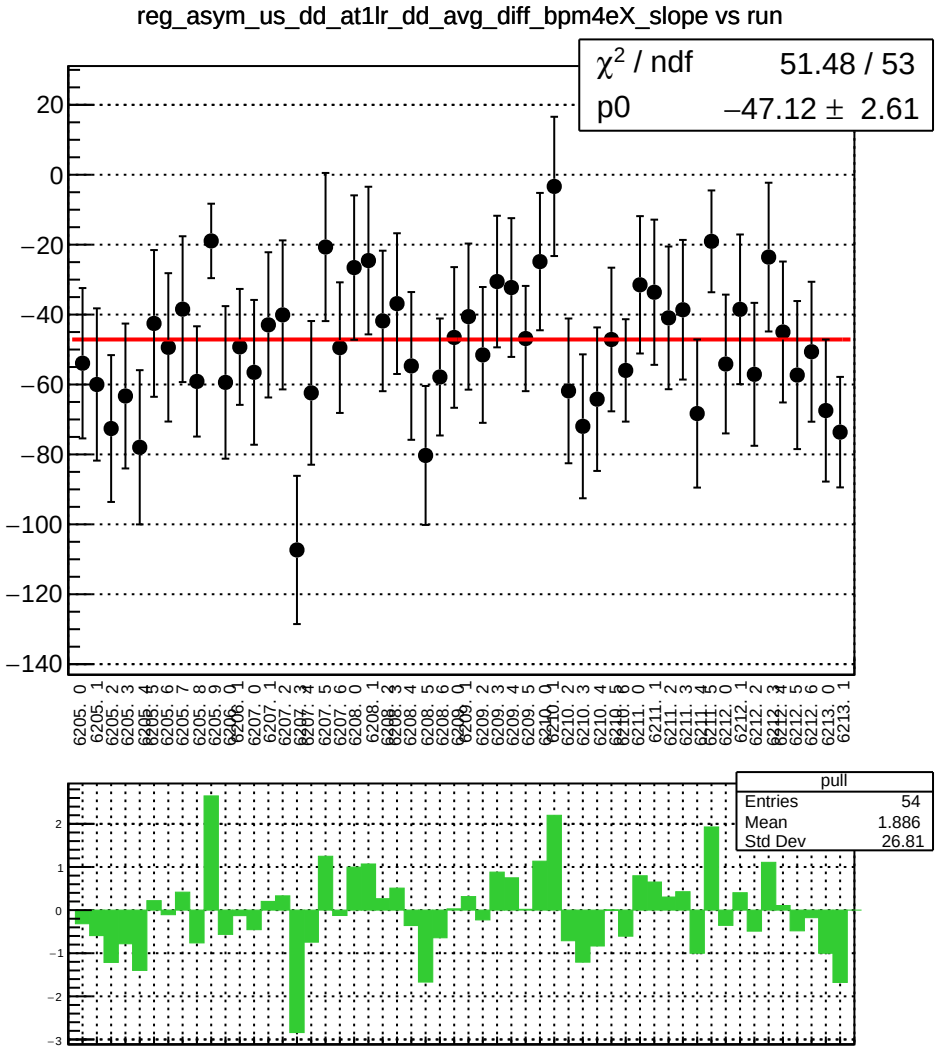

reg_asym_us_avg_atlr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 16.94 / 53
p0 80.67 ± 0.3475
pull
Entries 54
Mean −10.12
Std Dev 0

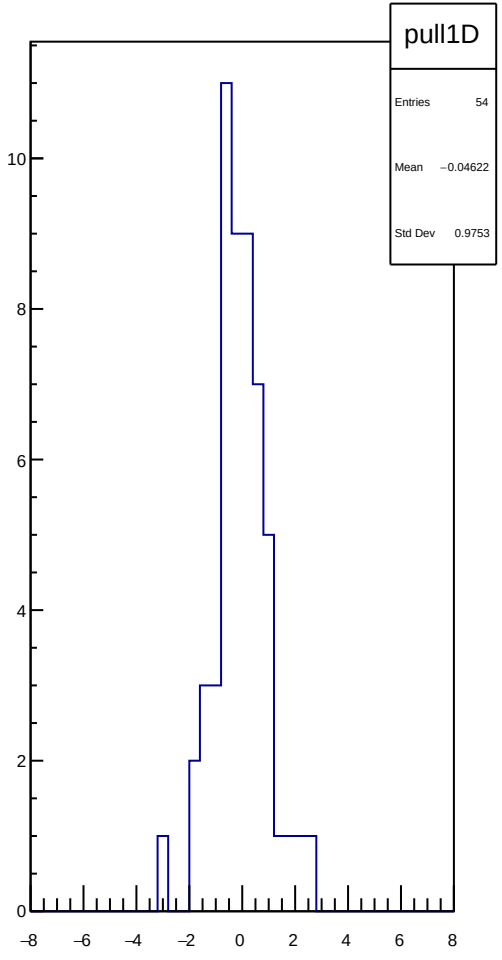

pull1D
Entries 54
Mean 0.02498
Std Dev 0.5595

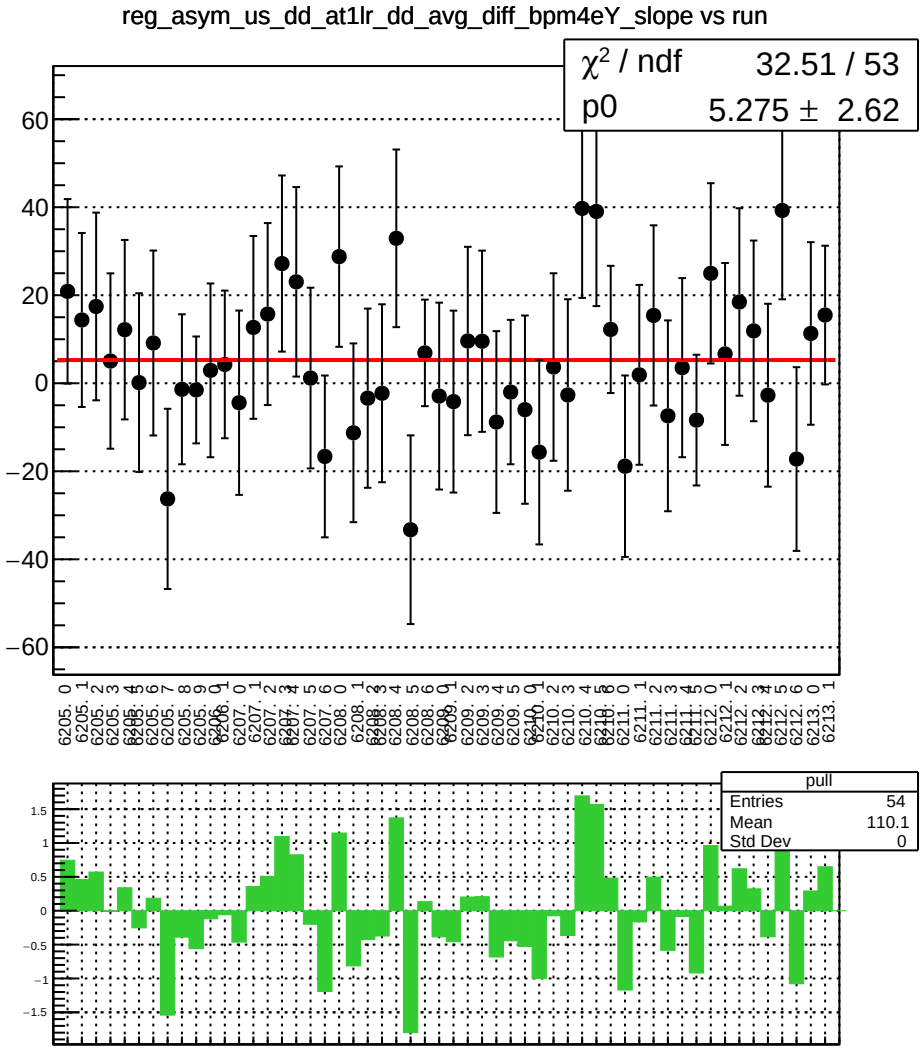

reg_asym_us_dd_at1lr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 54.08 / 53
p0 31.76 ± 2.388
pull
Entries 54
Mean −3.772
Std Dev 26.5
pull1D
Entries 54
Mean 0.03657
Std Dev 1

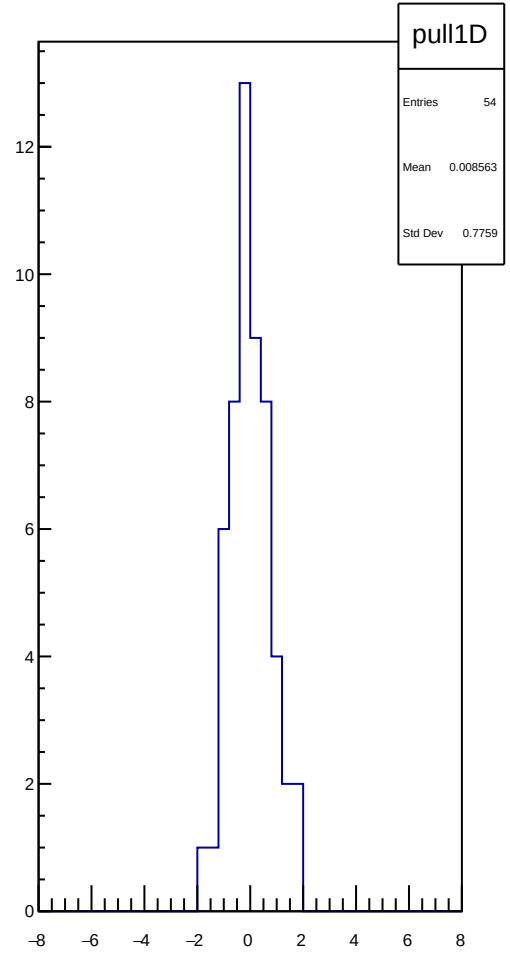

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 32.04 / 53
p0 −4.876 ± 2.352
pull
Entries 54
Mean 209
Std Dev 0

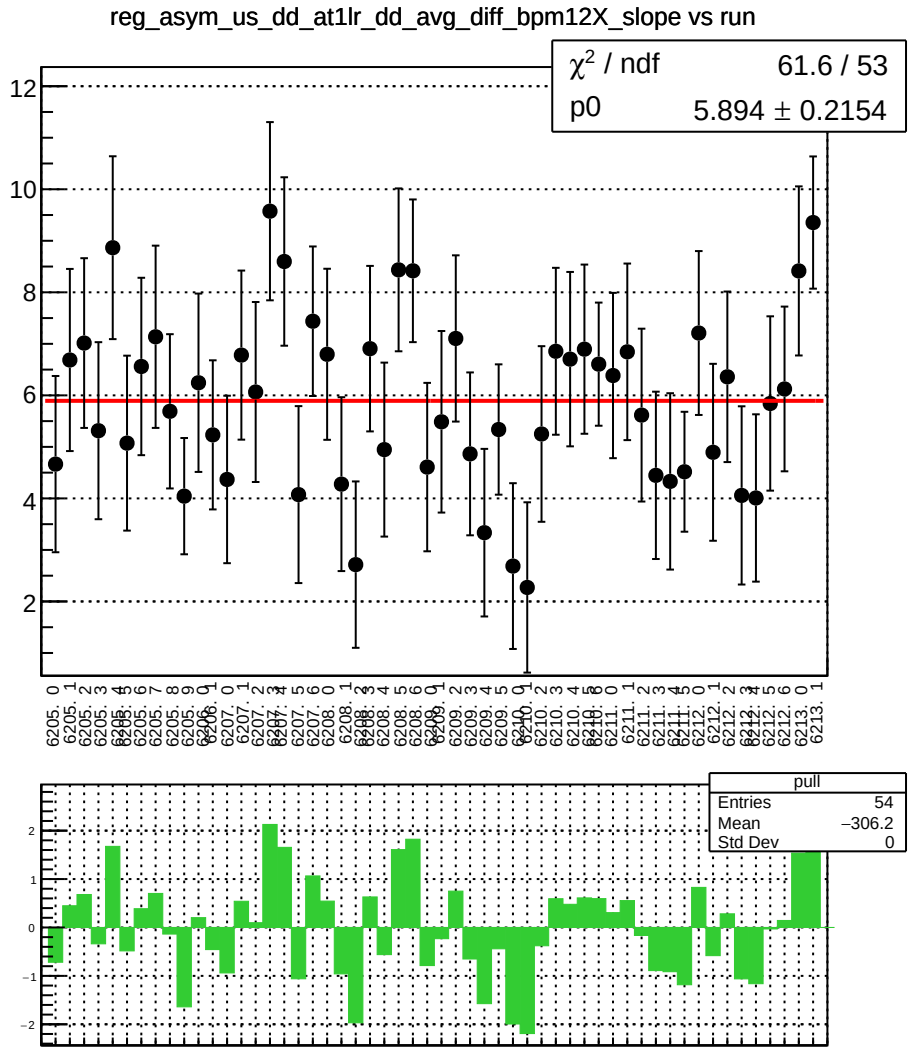

pull1D
Entries 54
Mean −0.004029
Std Dev 0.7702

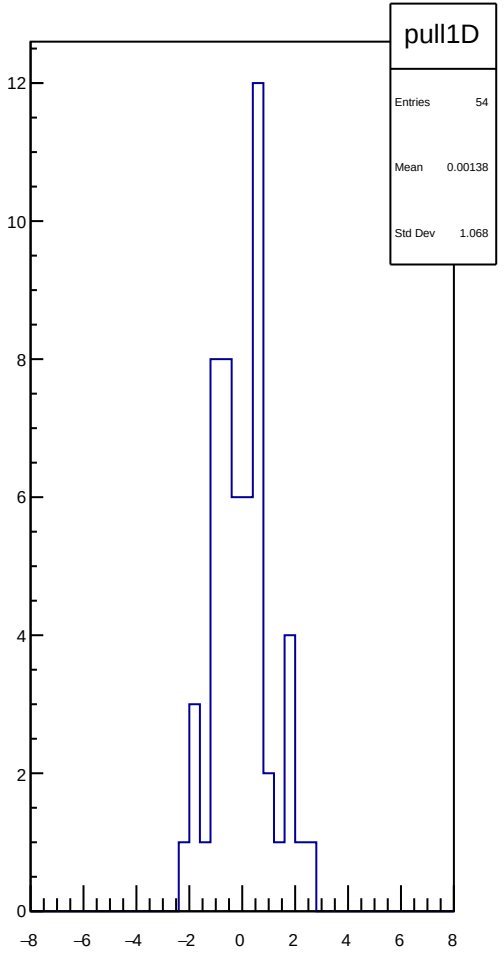

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 51.48 / 53
p0 −47.12 ± 2.61
pull
Entries 54
Mean 1.886
Std Dev 26.81

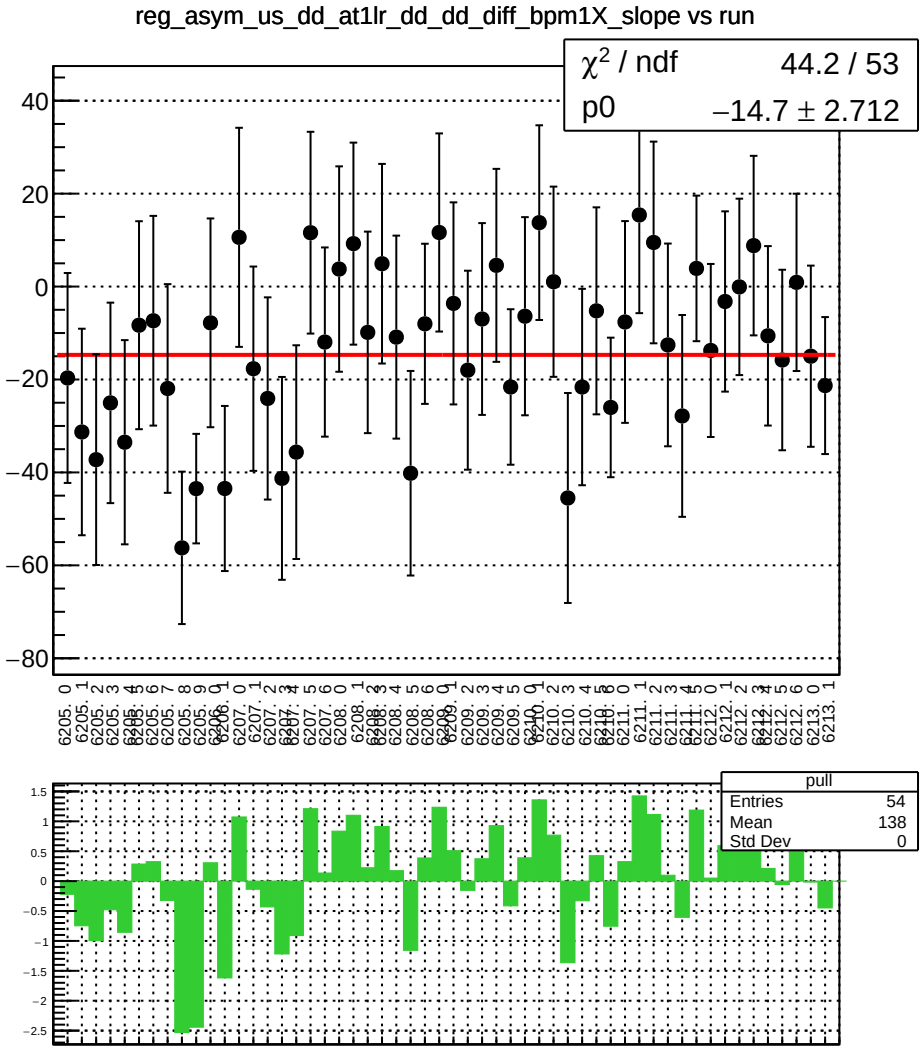

pull1D
Entries 54
Mean −0.04622
Std Dev 0.9753

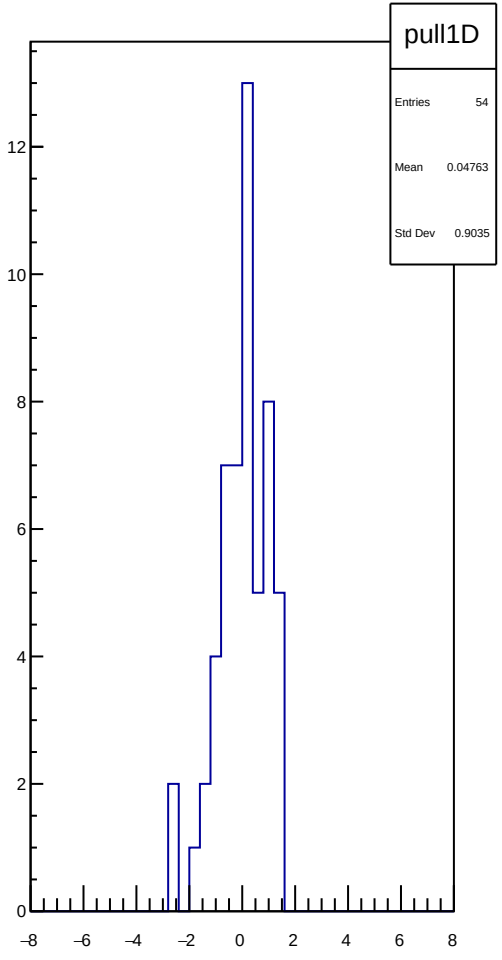

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 32.51 / 53
p0 5.275 ± 2.62
pull
Entries 54
Mean 110.1
Std Dev 0

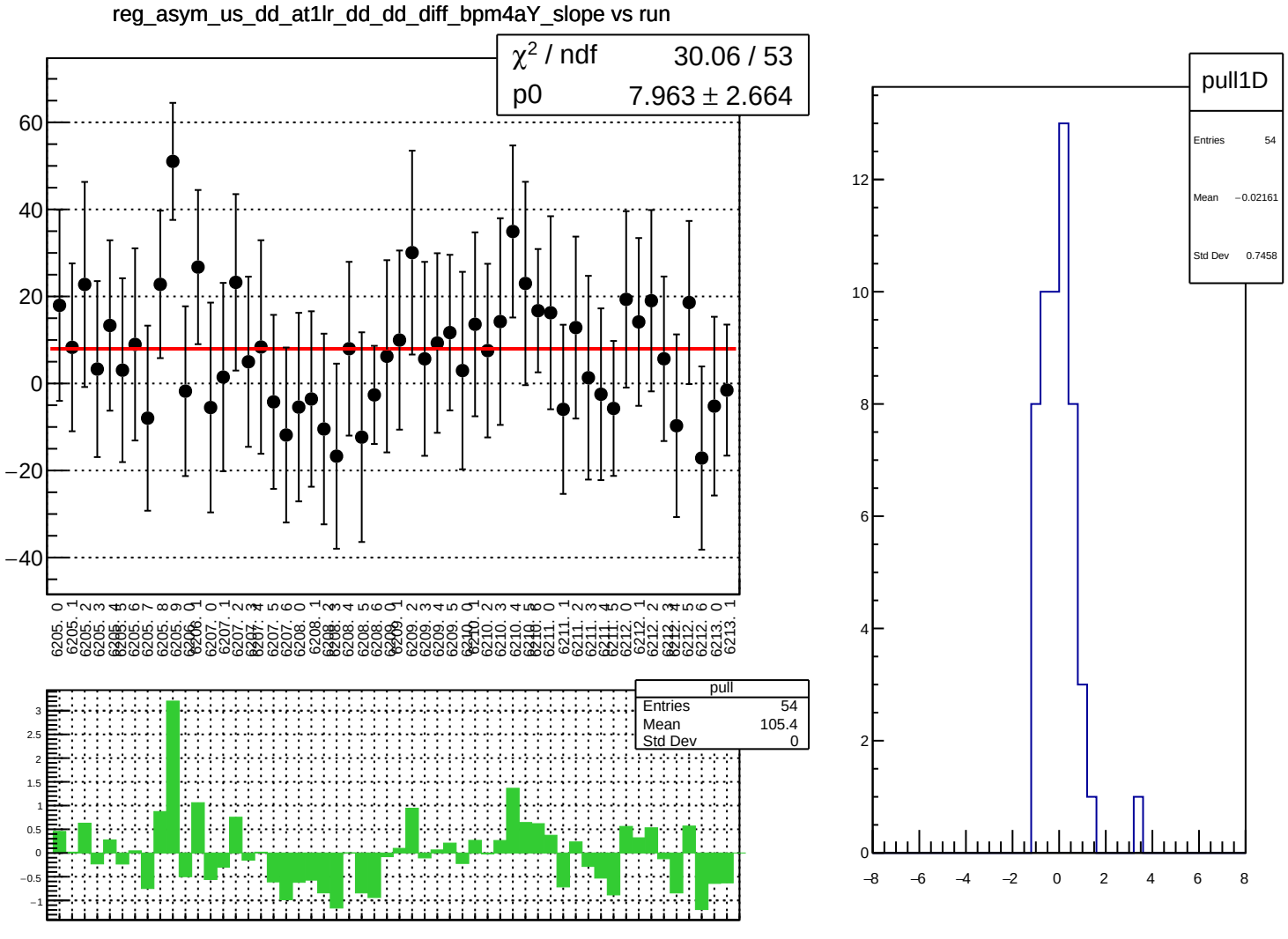

pull1D
Entries 54
Mean 0.008563
Std Dev 0.7759

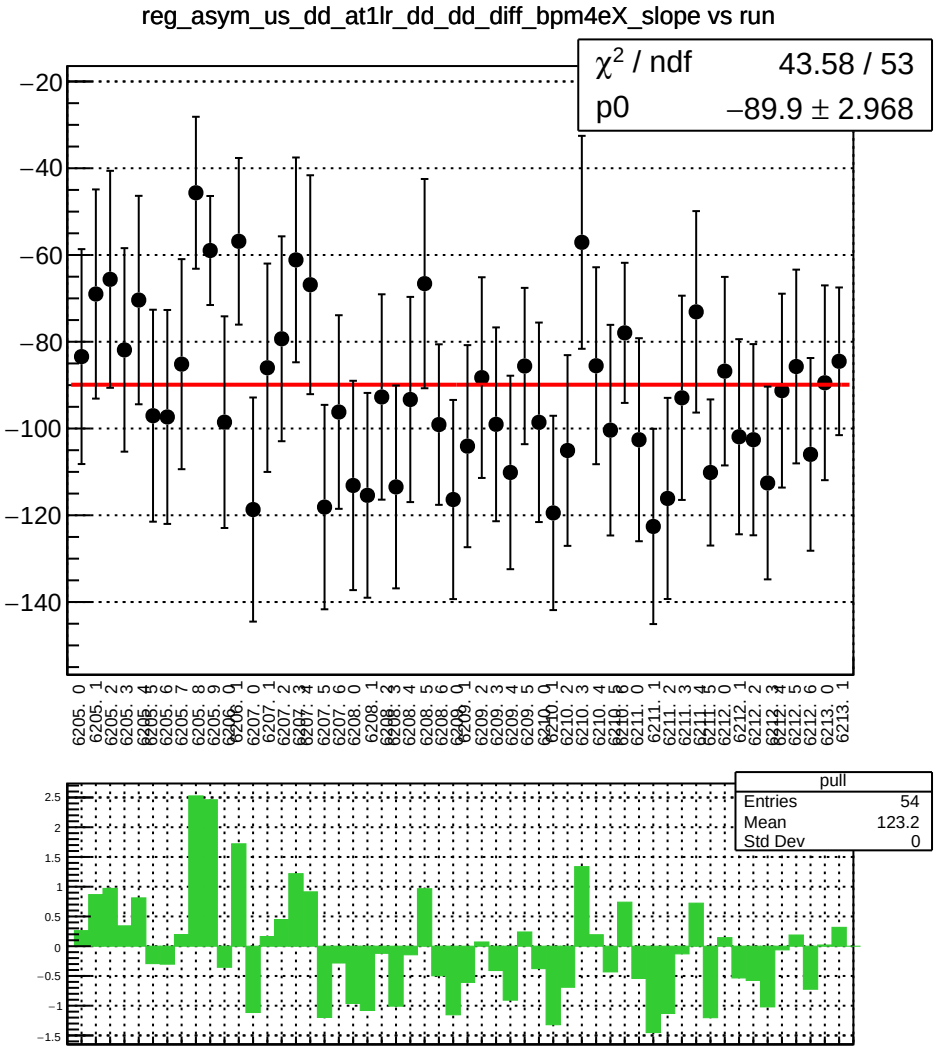

reg_asym_us_dd_at1lr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 61.6 / 53
p0 5.894 ± 0.2154
pull
Entries 54
Mean −306.2
Std Dev 0

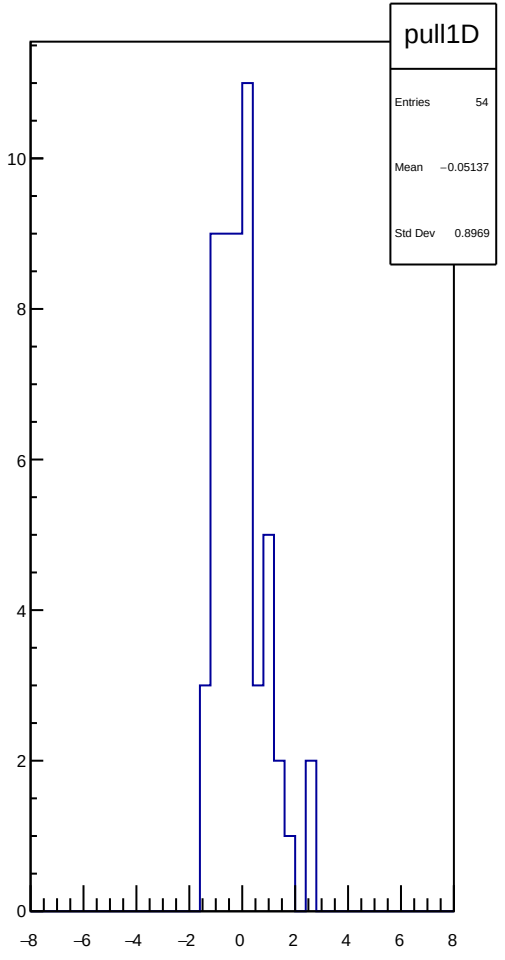

pull1D
Entries 54
Mean 0.00138
Std Dev 1.068

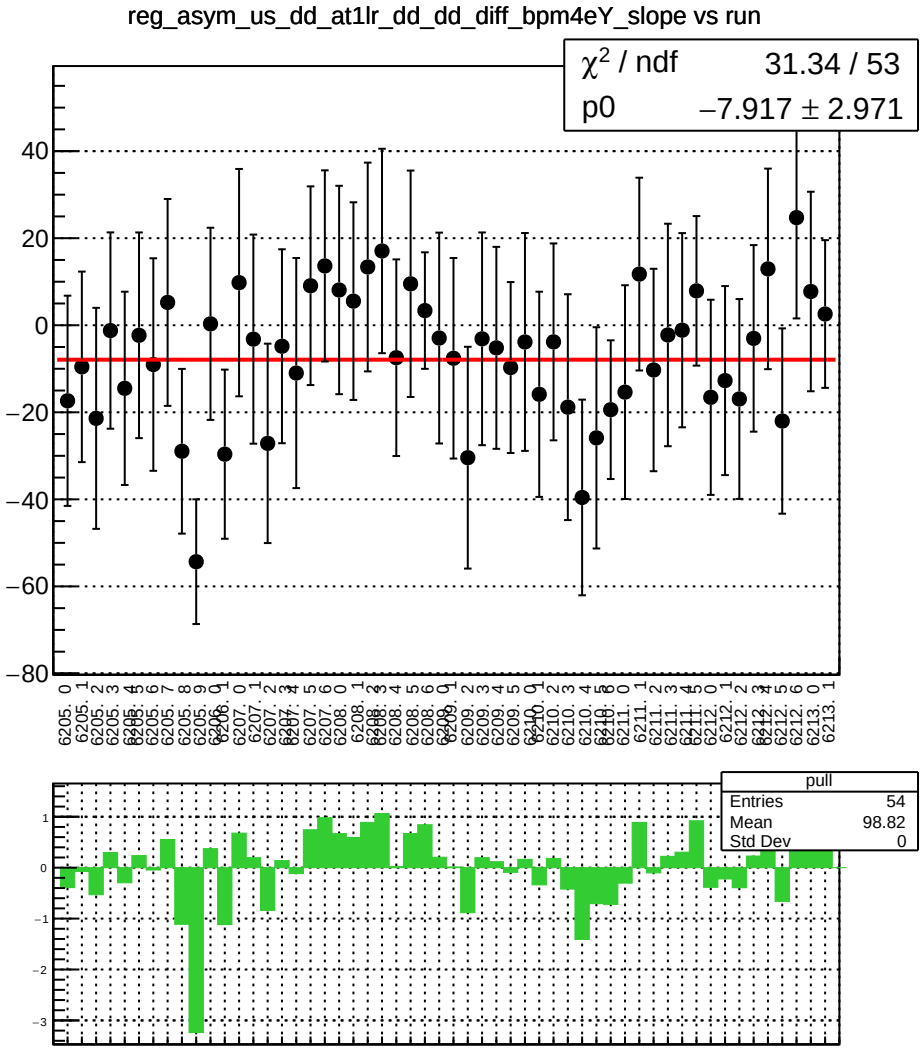

reg_asym_us_dd_at1lr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 44.2 / 53
p0 −14.7 ± 2.712
pull
Entries 54
Mean 138
Std Dev 0

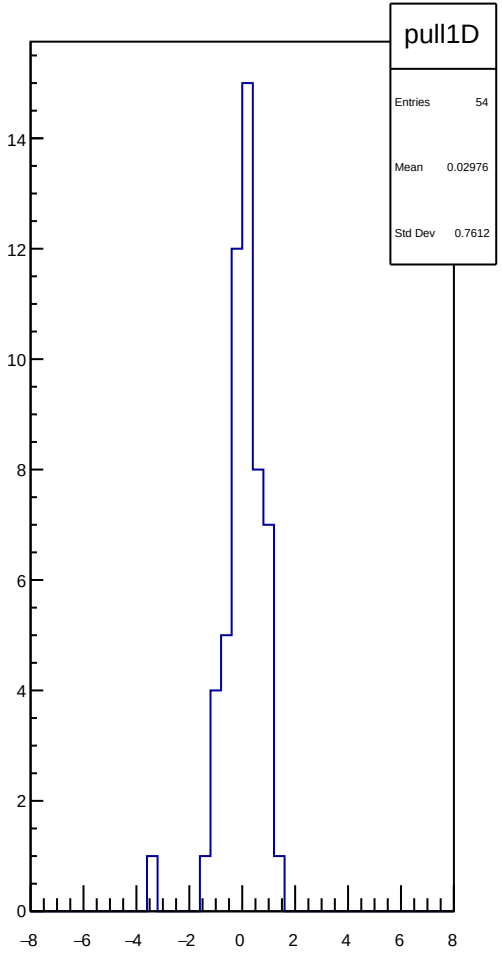

pull1D
Entries 54
Mean 0.04763
Std Dev 0.9035

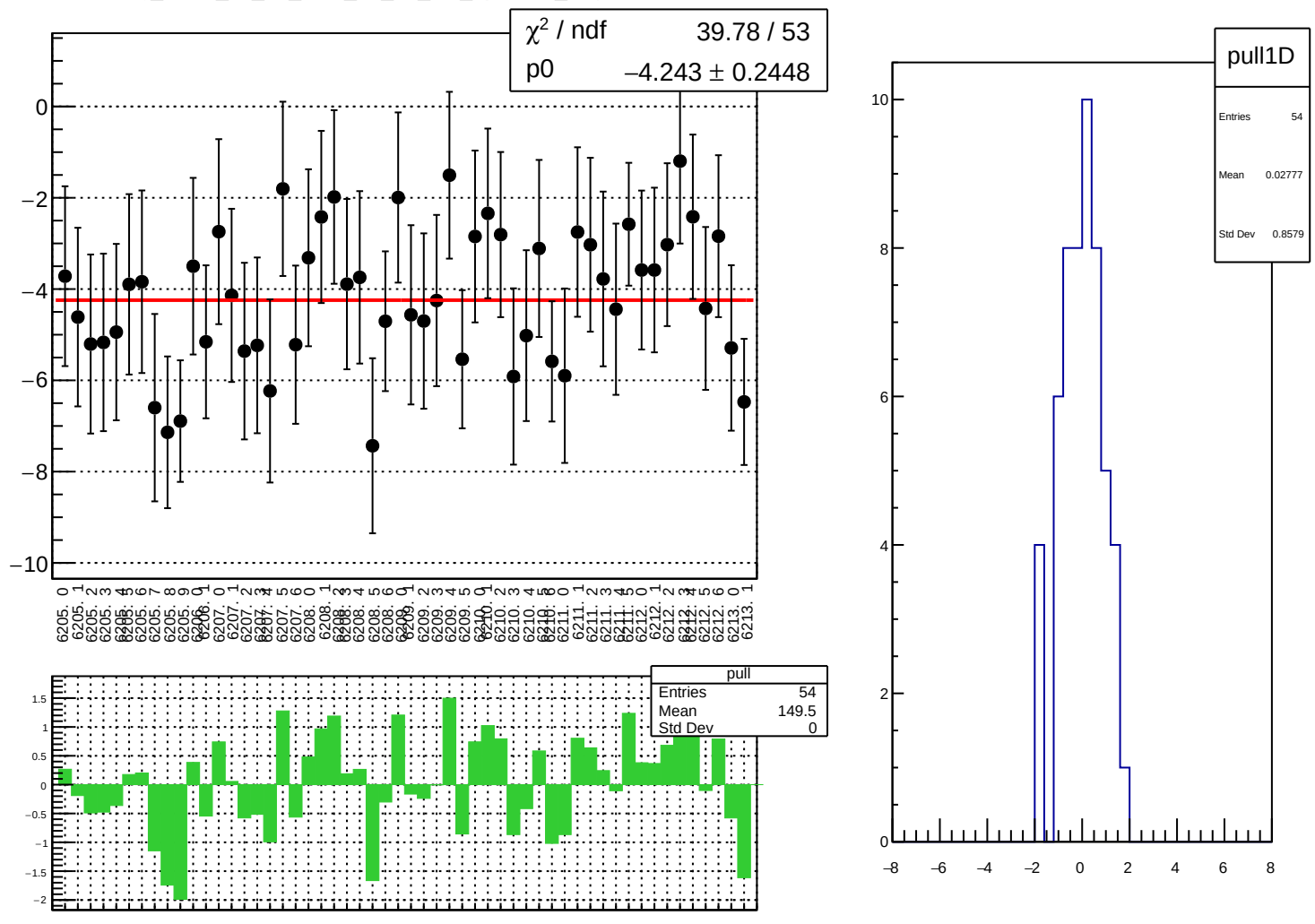

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 30.06 / 53
p0 7.963 ± 2.664
pull
Entries 54
Mean 105.4
Std Dev 0
pull1D
Entries 54
Mean −0.02161
Std Dev 0.7458

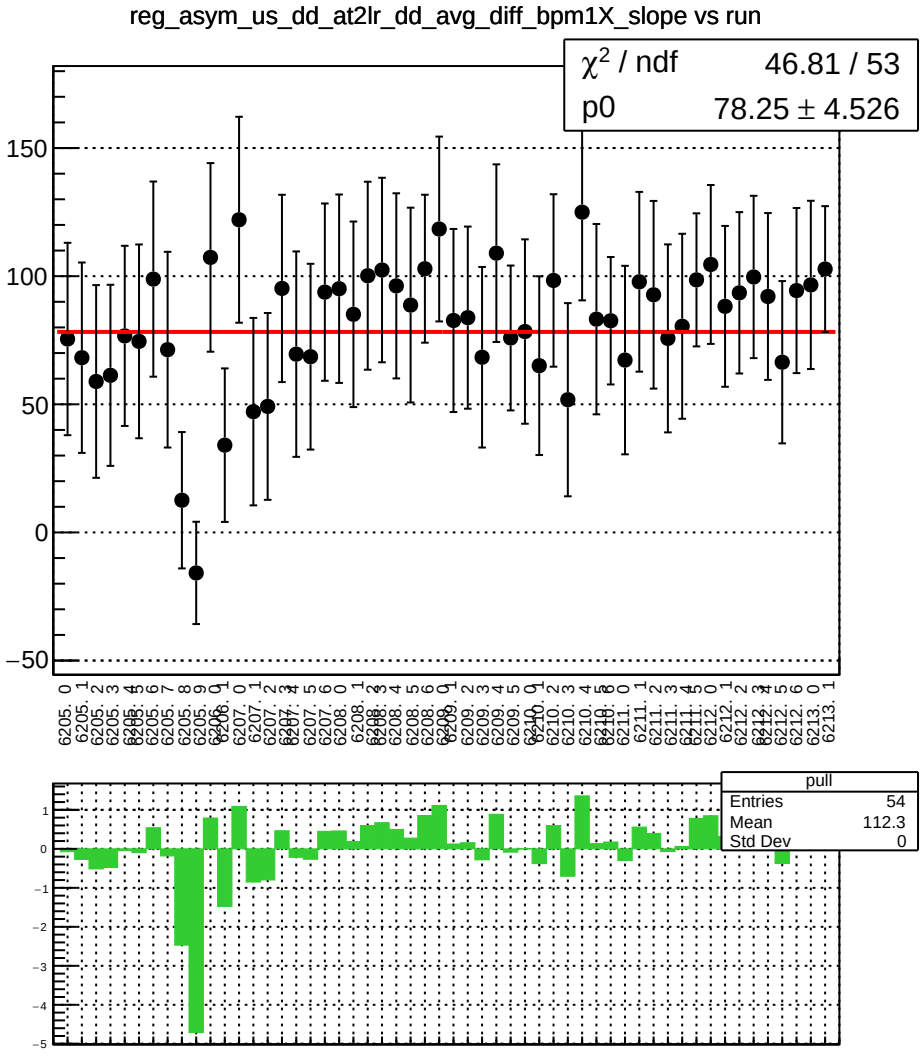

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 43.58 / 53
p0 −89.9 ± 2.968
pull
Entries 54
Mean 123.2
Std Dev 0

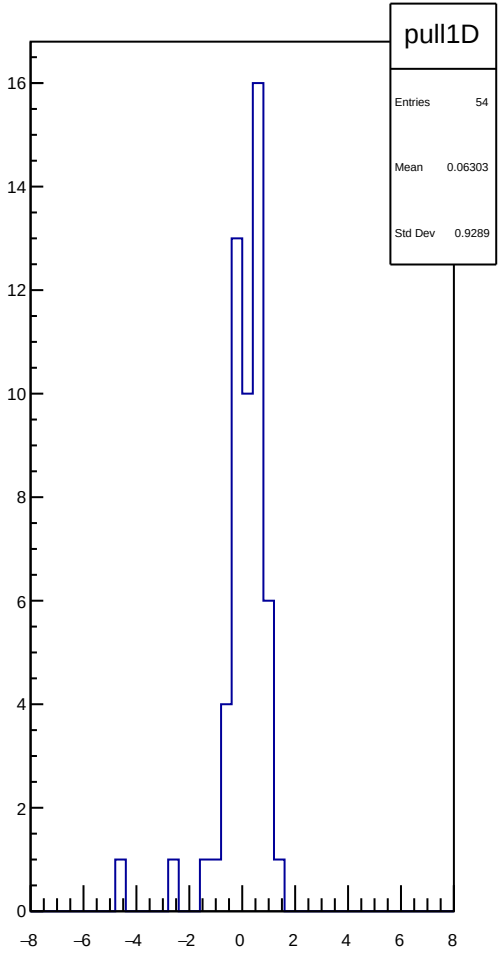

pull1D
Entries 54
Mean −0.05137
Std Dev 0.8969

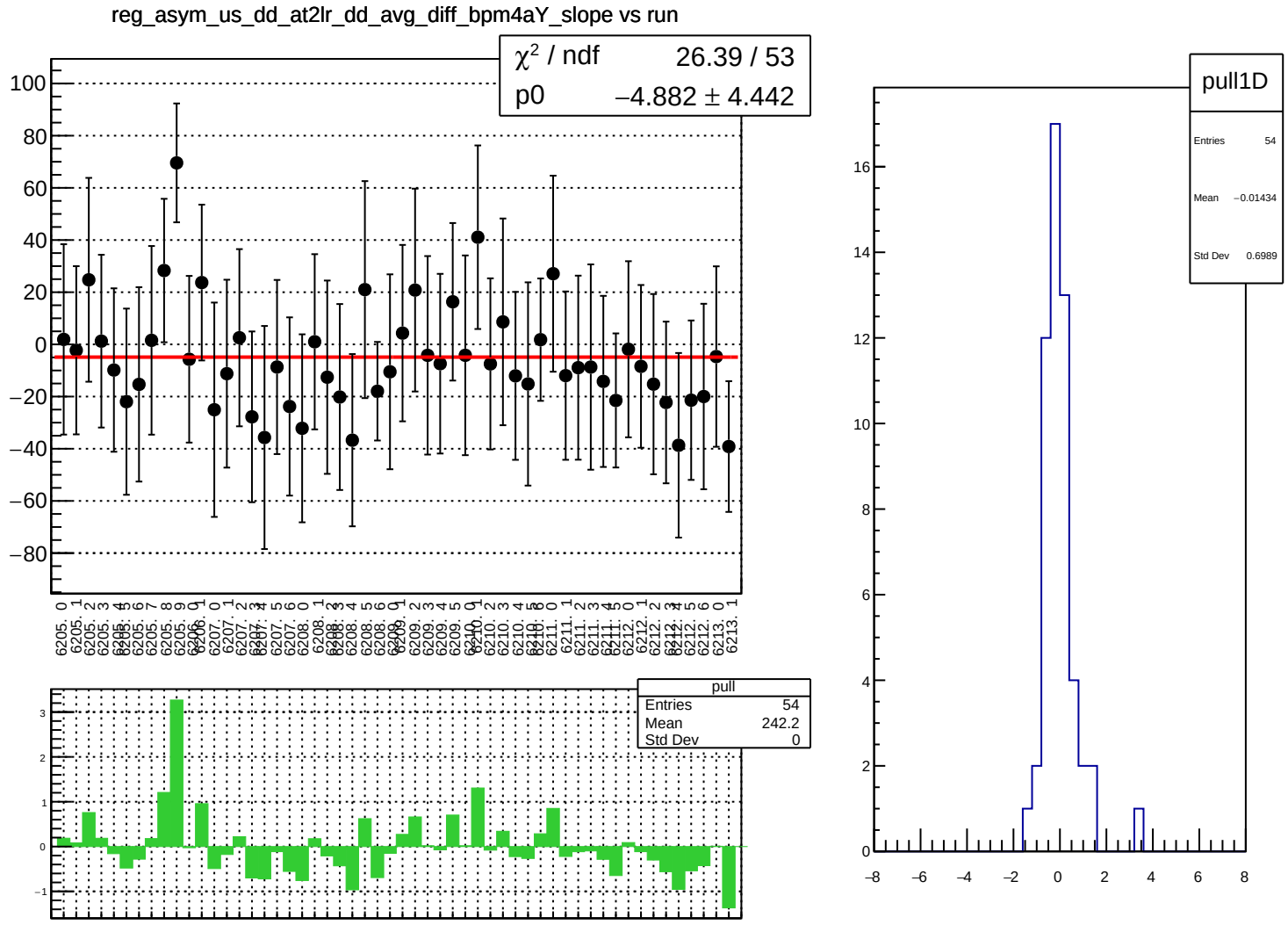

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 31.34 / 53
p0 −7.917 ± 2.971
pull
Entries 54
Mean 98.82
Std Dev 0

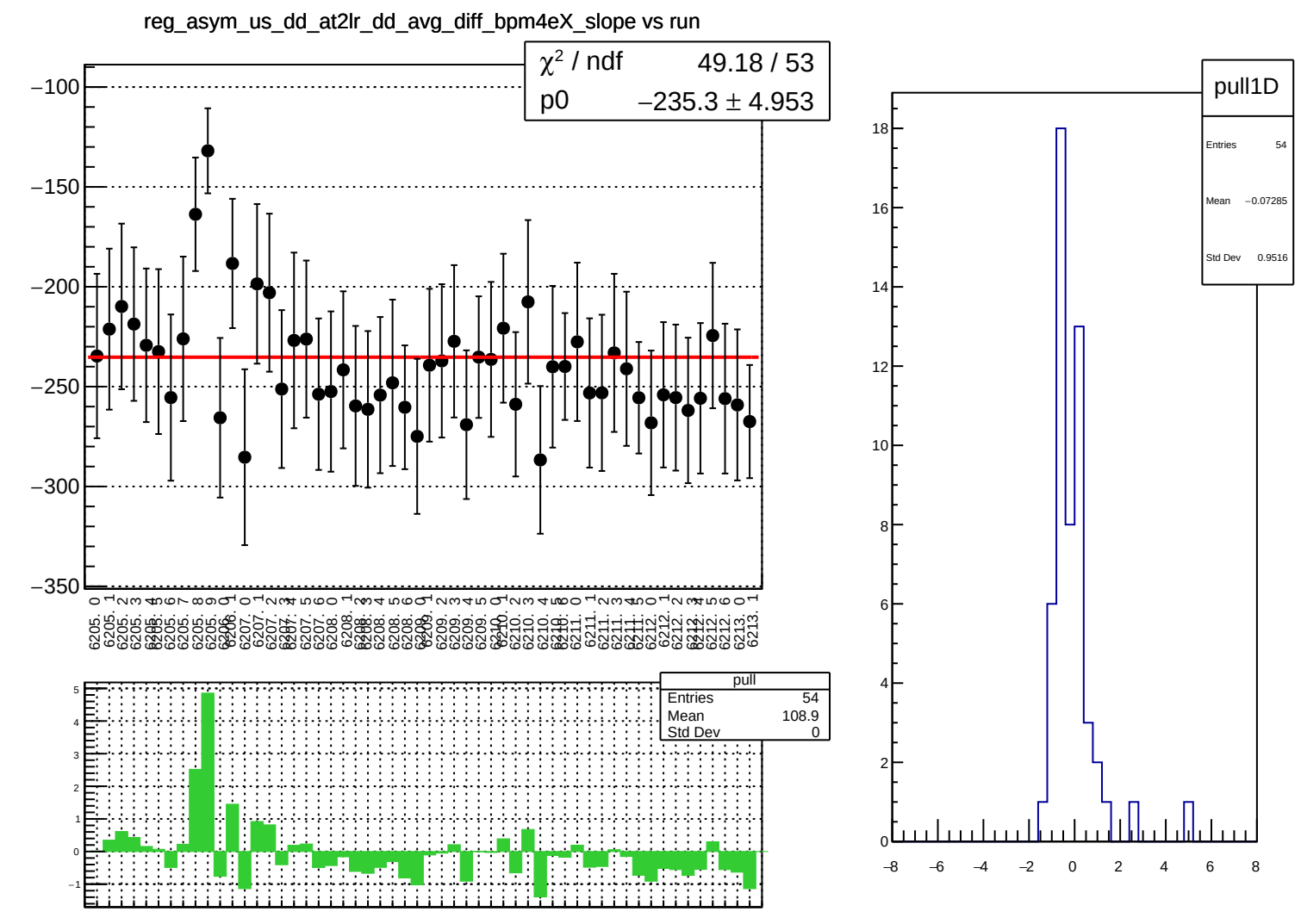

pull1D
Entries 54
Mean 0.02976
Std Dev 0.7612

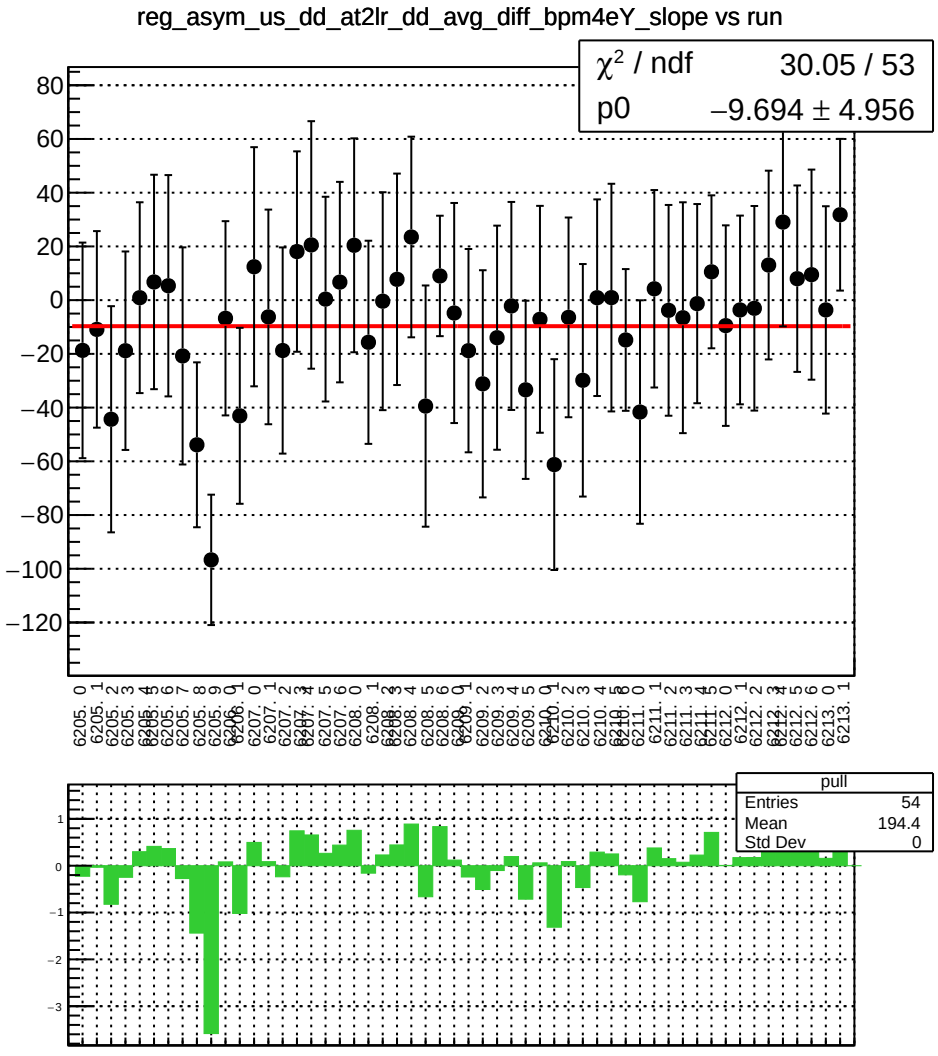

reg_asym_us_dd_at1lr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 39.78 / 53
p0 −4.243 ± 0.2448
pull
Entries 54
Mean 149.5
Std Dev 0
pull1D
Entries 54
Mean 0.02777
Std Dev 0.8579

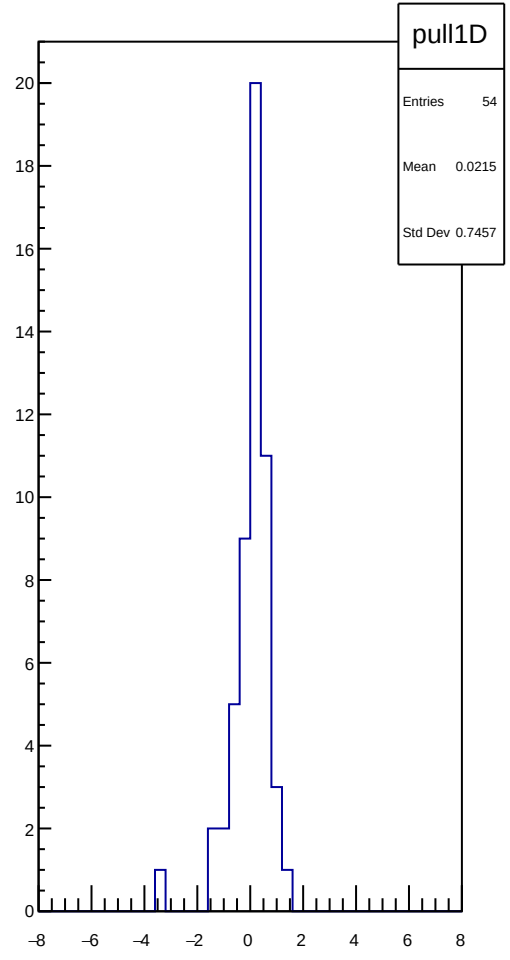

reg_asym_us_dd_at2lr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 46.81 / 53
p0 78.25 ± 4.526
150
100
50
0
−50
pull
Entries 54
Mean 112.3
Std Dev 0
1
0
−1
−2
−3
−4
−5

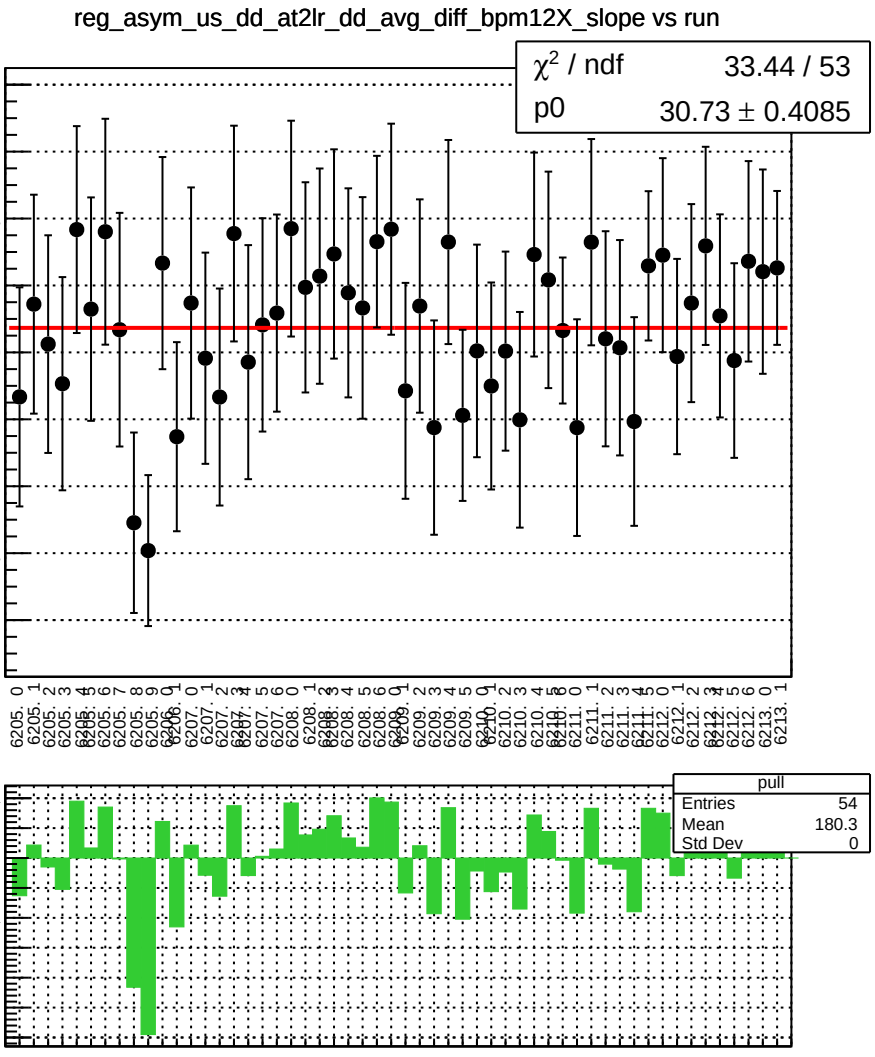

pull1D
Entries 54
Mean 0.06303
Std Dev 0.9289
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

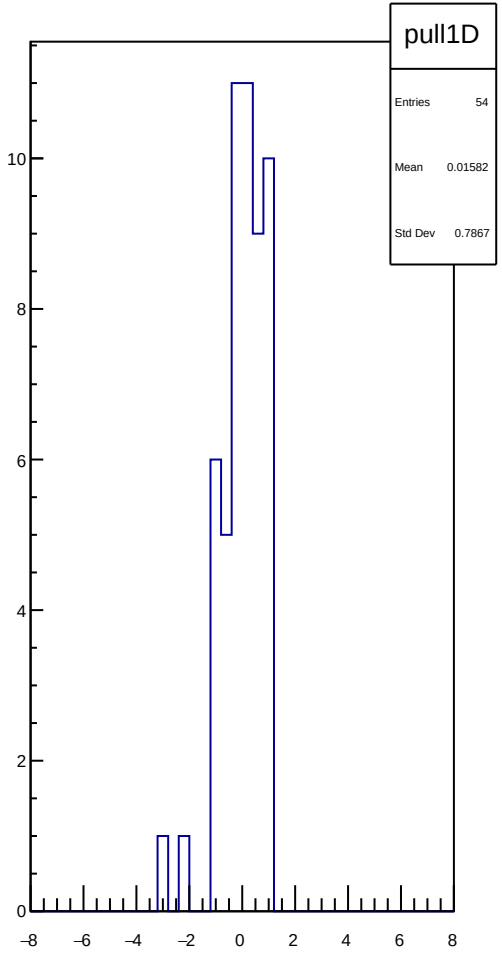

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 26.39 / 53
p0 −4.882 ± 4.442
pull
Entries 54
Mean 242.2
Std Dev 0
pull1D
Entries 54
Mean −0.01434
Std Dev 0.6989

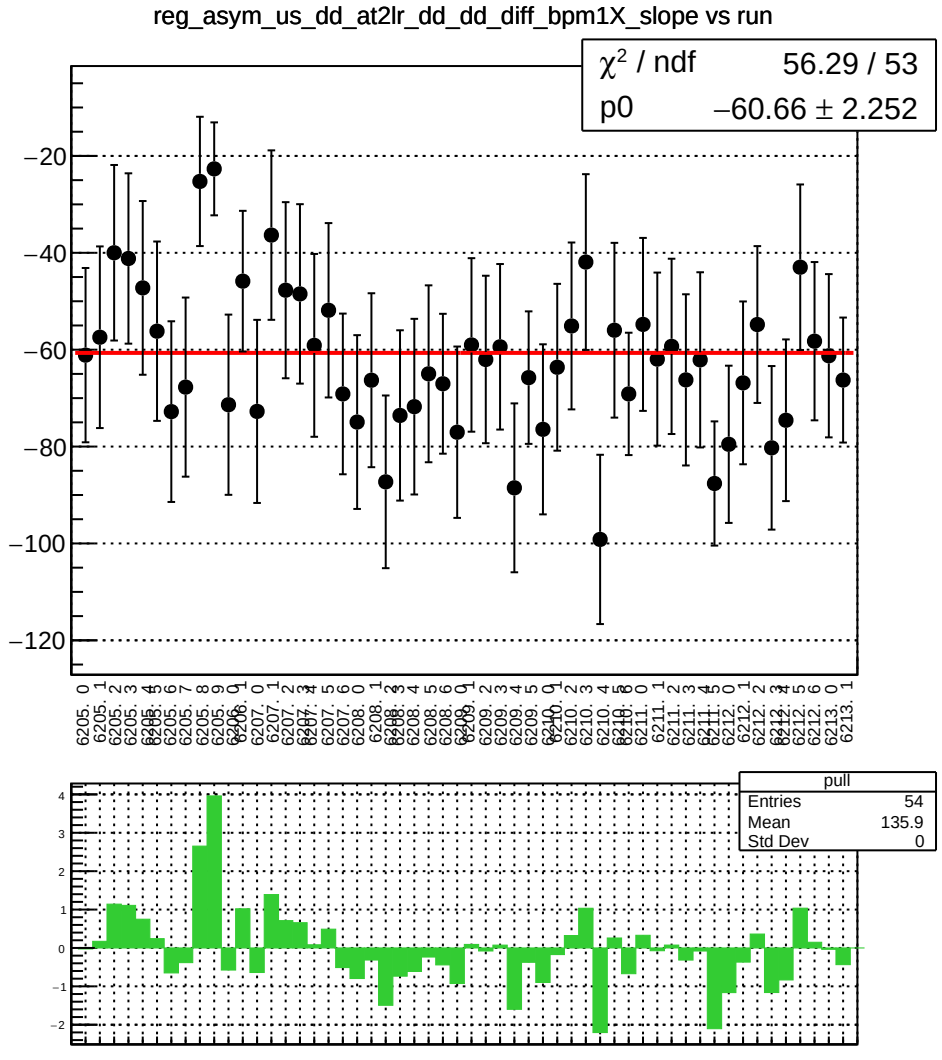

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 49.18 / 53
p0 −235.3 ± 4.953
pull
Entries 54
Mean 108.9
Std Dev 0
pull1D
Entries 54
Mean −0.07285
Std Dev 0.9516

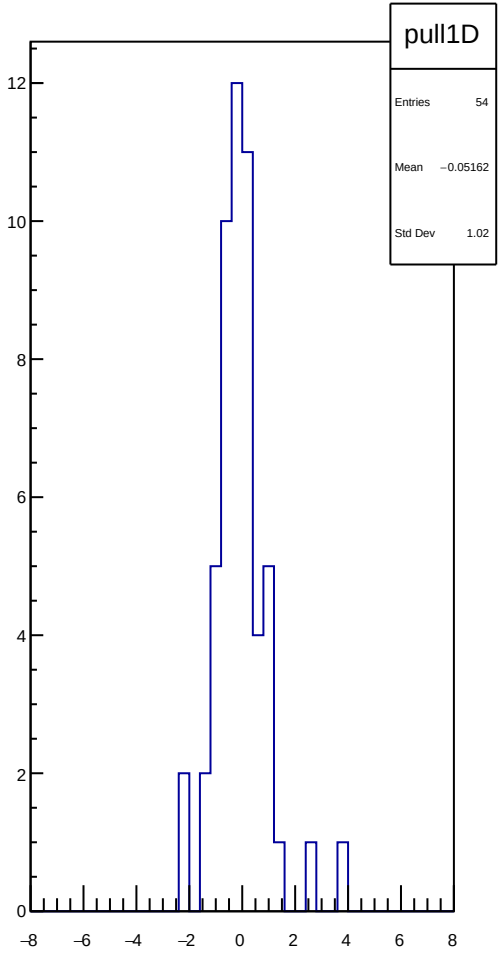

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 30.05 / 53
p0 −9.694 ± 4.956
pull
Entries 54
Mean 194.4
Std Dev 0

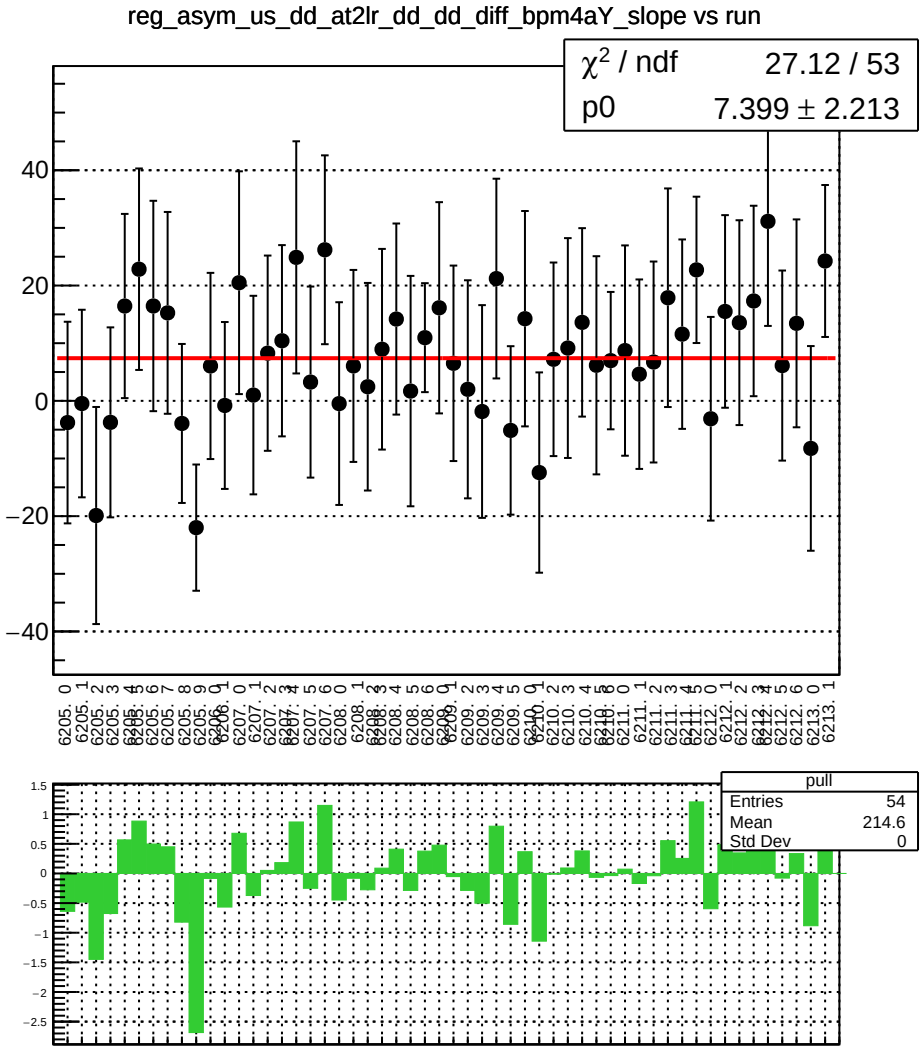

pull1D
Entries 54
Mean 0.0215
Std Dev 0.7457

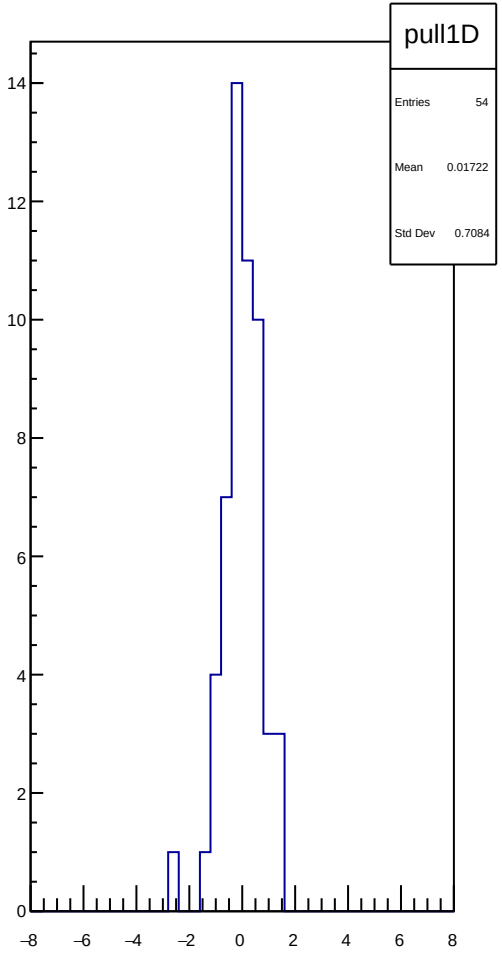

reg_asym_us_dd_at2lr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 33.44 / 53
p0 30.73 ± 0.4085
pull
Entries 54
Mean 180.3
Std Dev 0

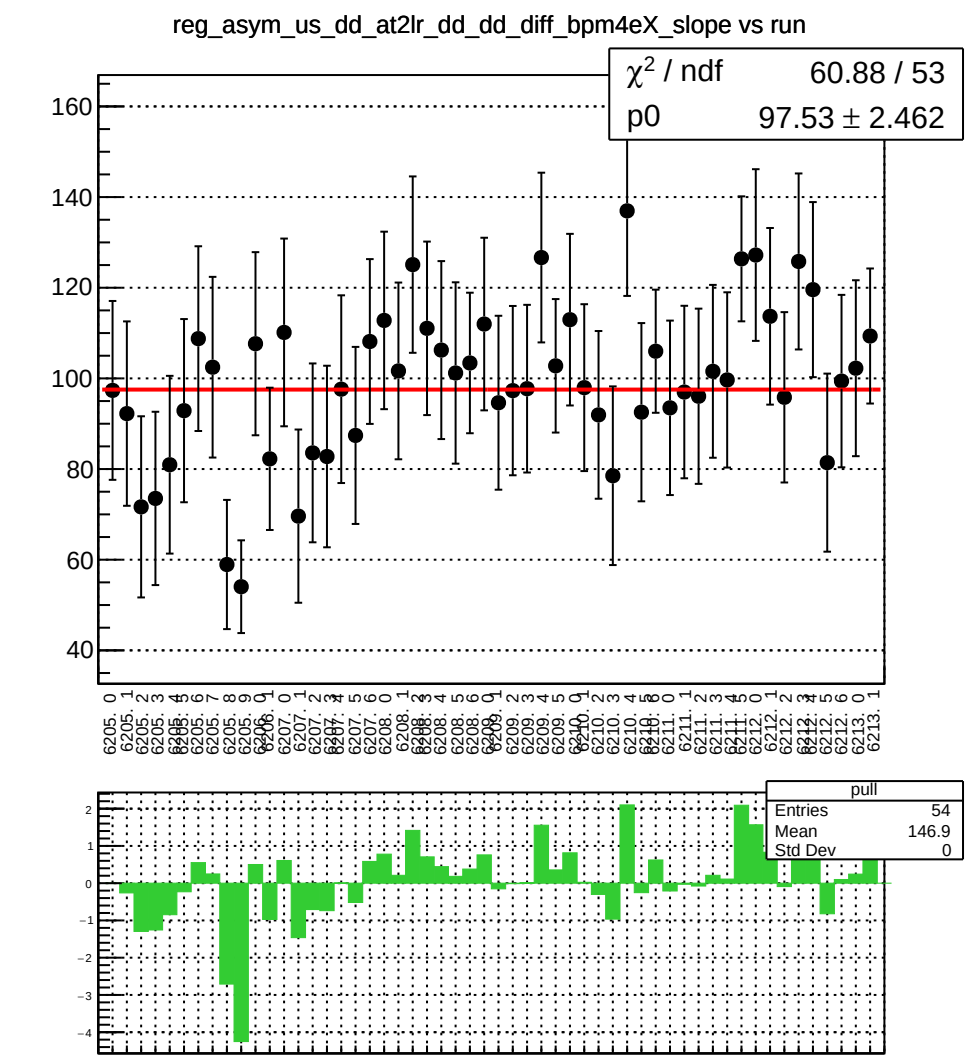

pull1D
Entries 54
Mean 0.01582
Std Dev 0.7867

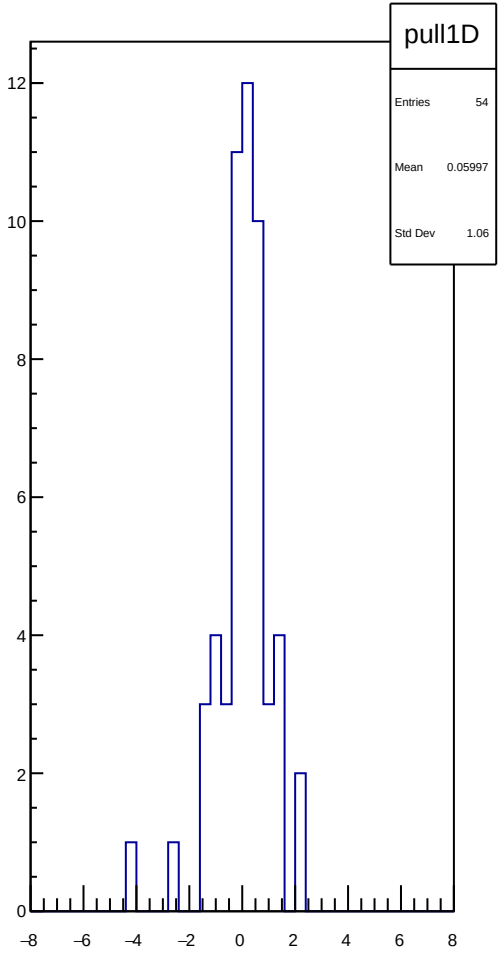

reg_asym_us_dd_at2lr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 56.29 / 53
p0 −60.66 ± 2.252
pull
Entries 54
Mean 135.9
Std Dev 0

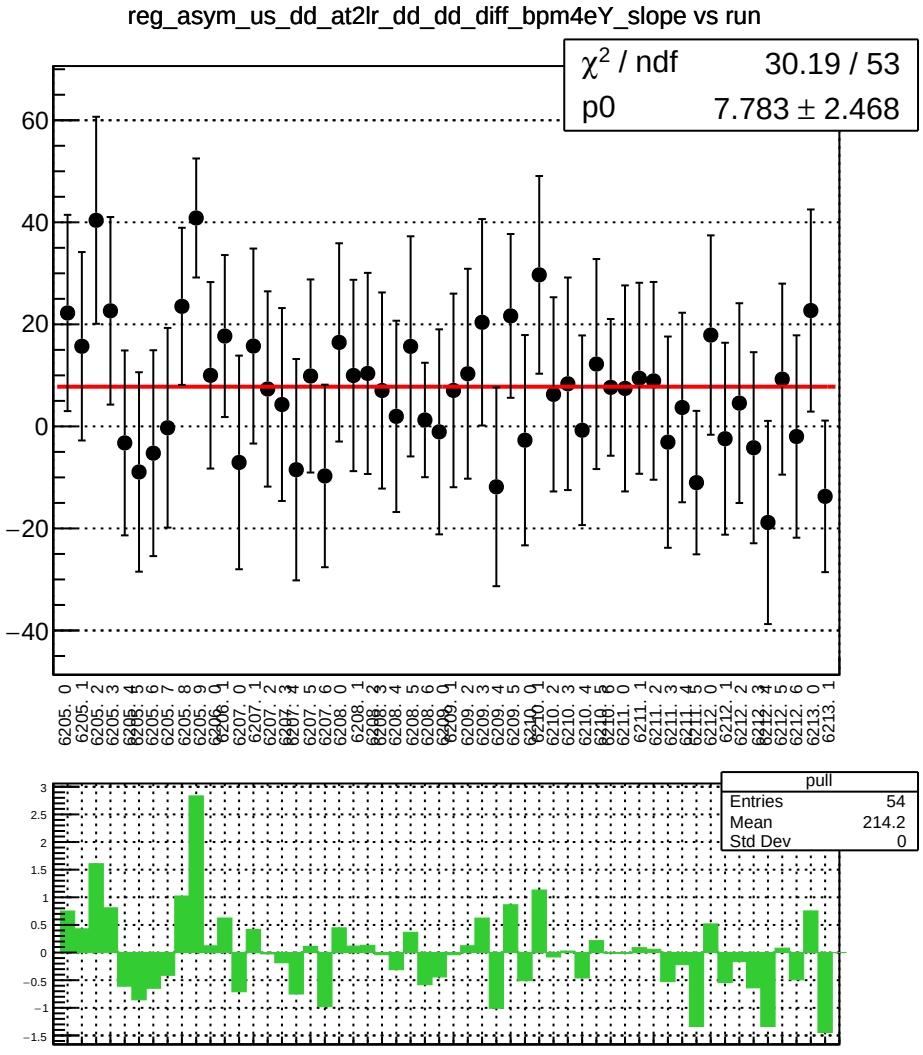

pull1D
Entries 54
Mean −0.05162
Std Dev 1.02

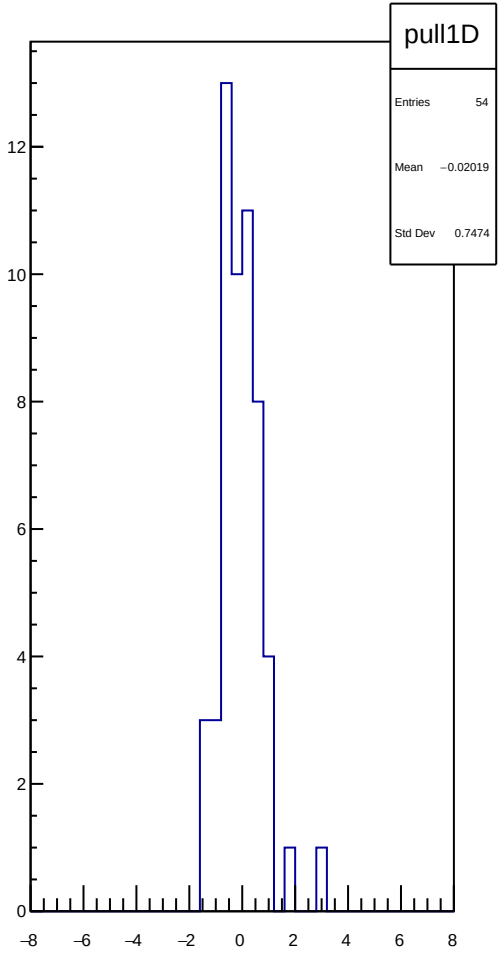

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 27.12 / 53
p0 7.399 ± 2.213
pull
Entries 54
Mean 214.6
Std Dev 0

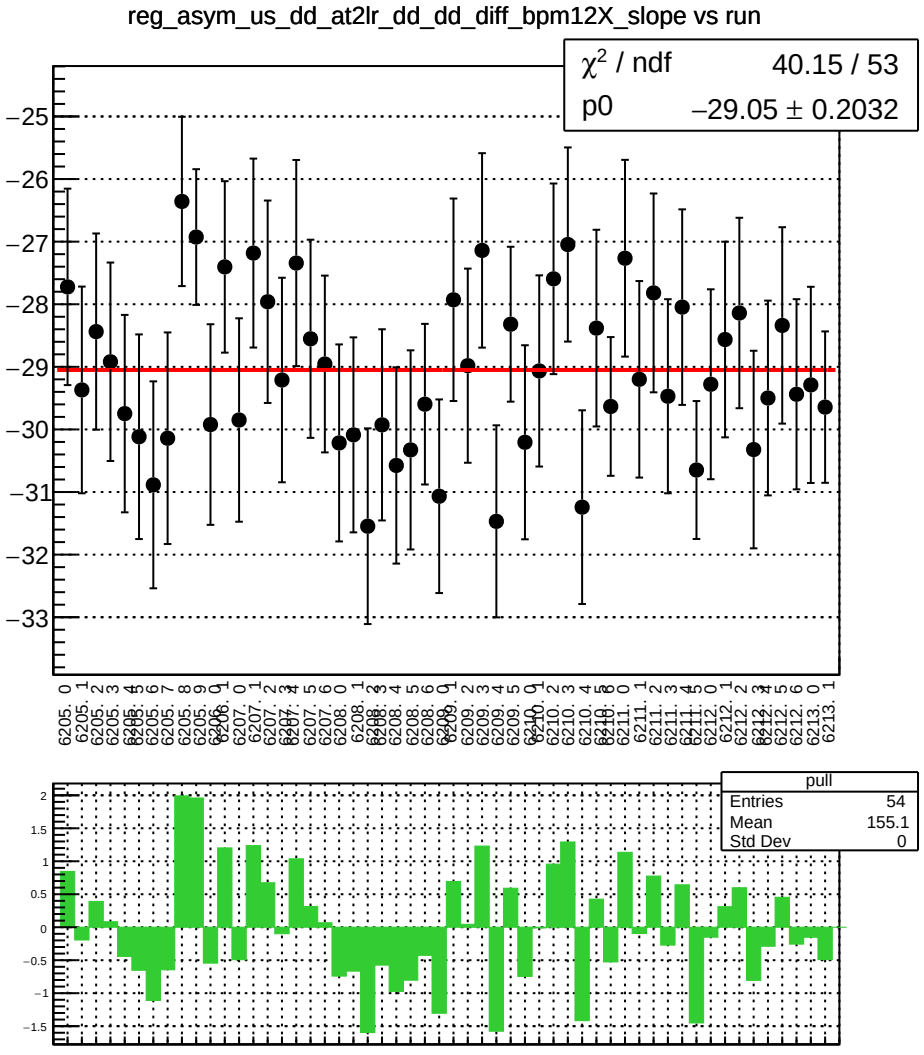

pull1D
Entries 54
Mean 0.01722
Std Dev 0.7084

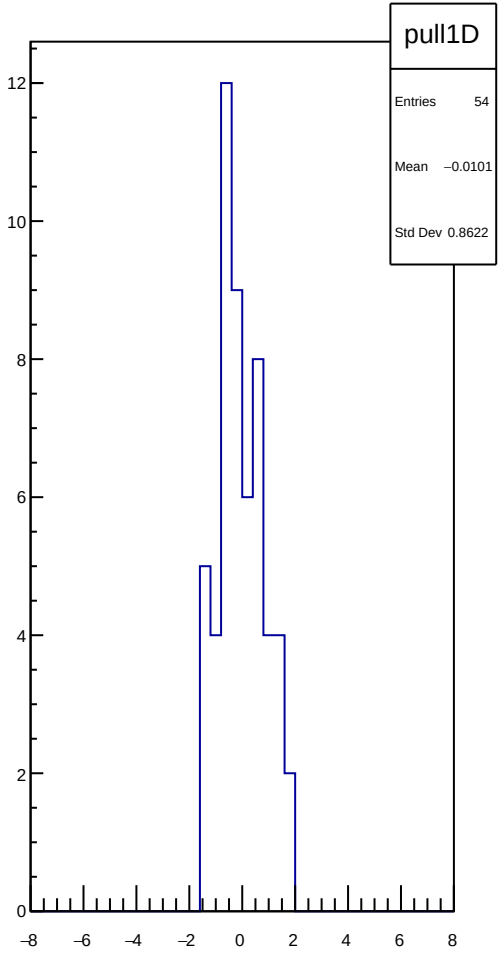

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 60.88 / 53
p0 97.53 ± 2.462
pull
Entries 54
Mean 146.9
Std Dev 0

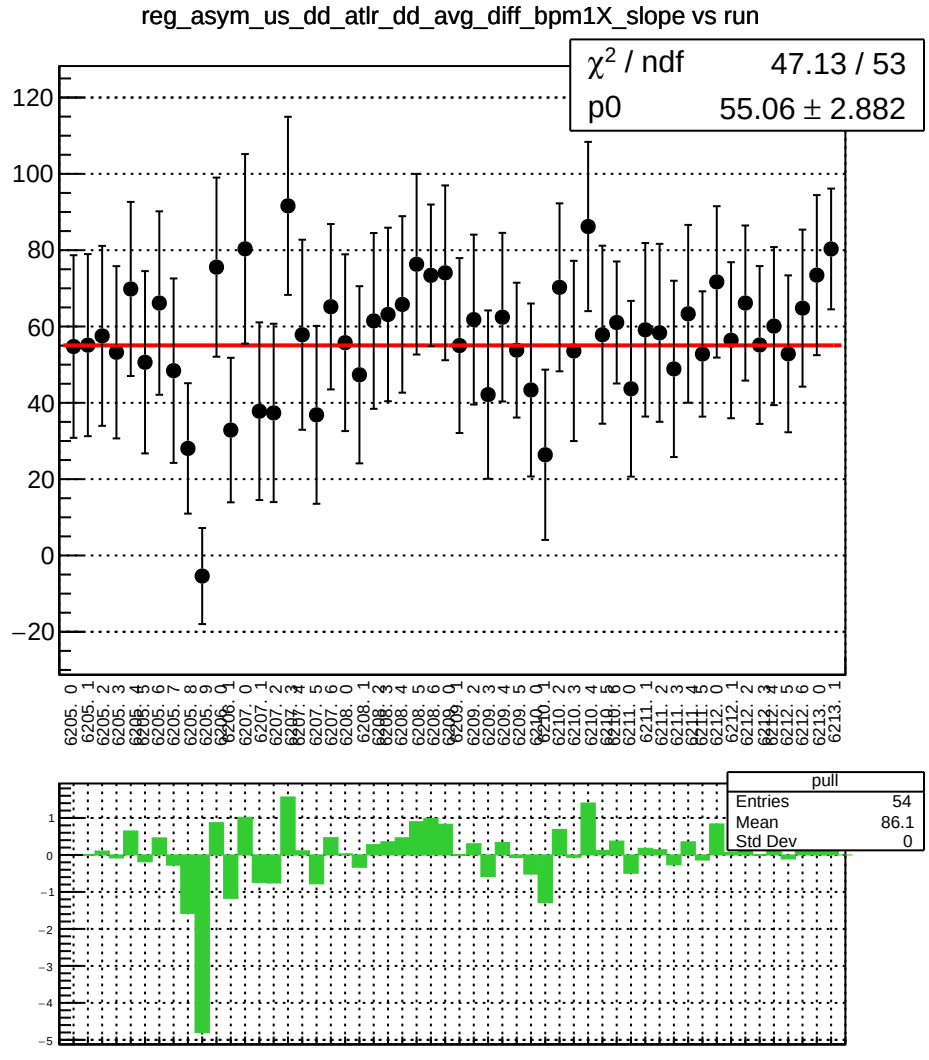

pull1D
Entries 54
Mean 0.05997
Std Dev 1.06

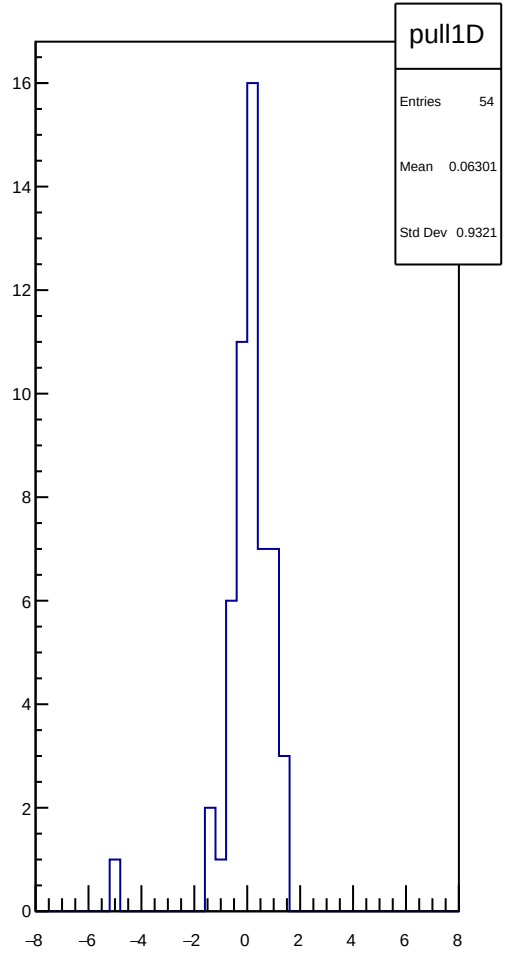

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 30.19 / 53
p0 7.783 ± 2.468
pull
Entries 54
Mean 214.2
Std Dev 0

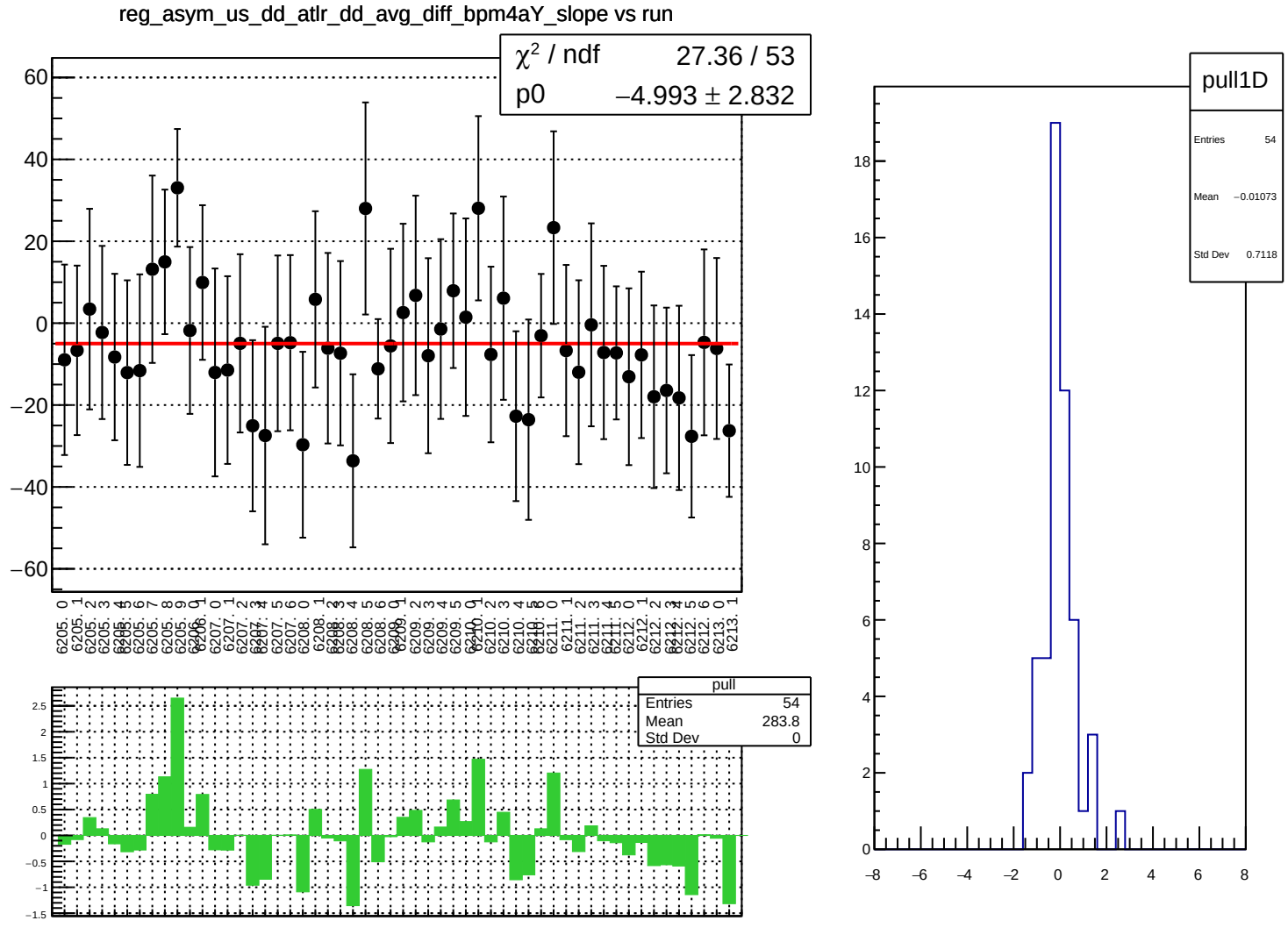

pull1D
Entries 54
Mean −0.02019
Std Dev 0.7474

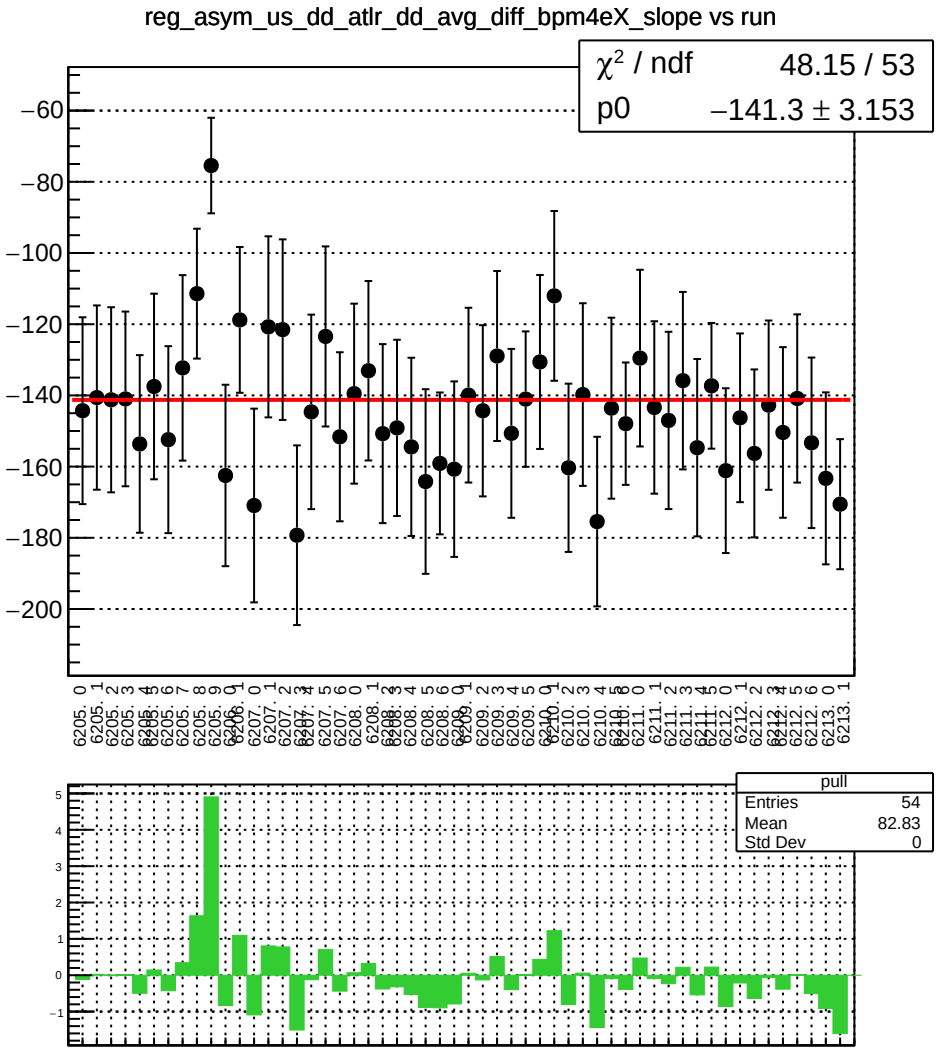

reg_asym_us_dd_at2lr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 40.15 / 53
p0 −29.05 ± 0.2032
pull
Entries 54
Mean 155.1
Std Dev 0

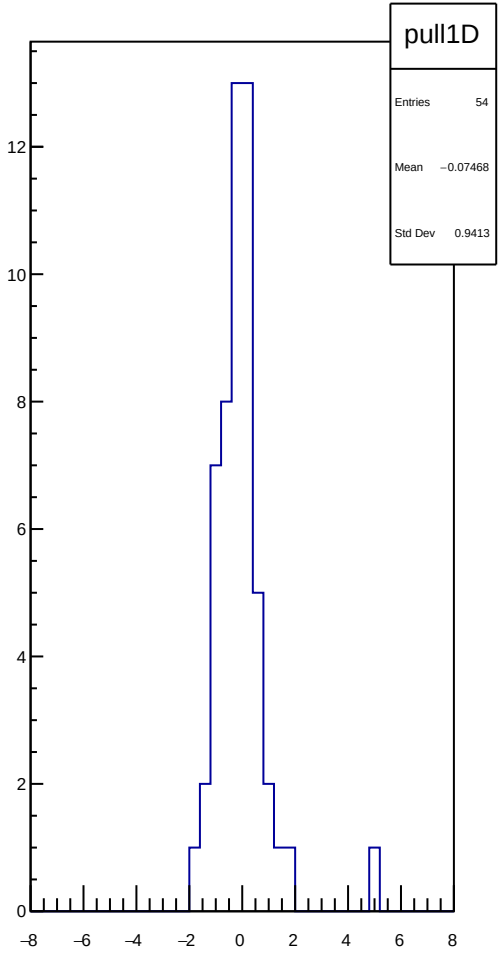

pull1D
Entries 54
Mean −0.0101
Std Dev 0.8622

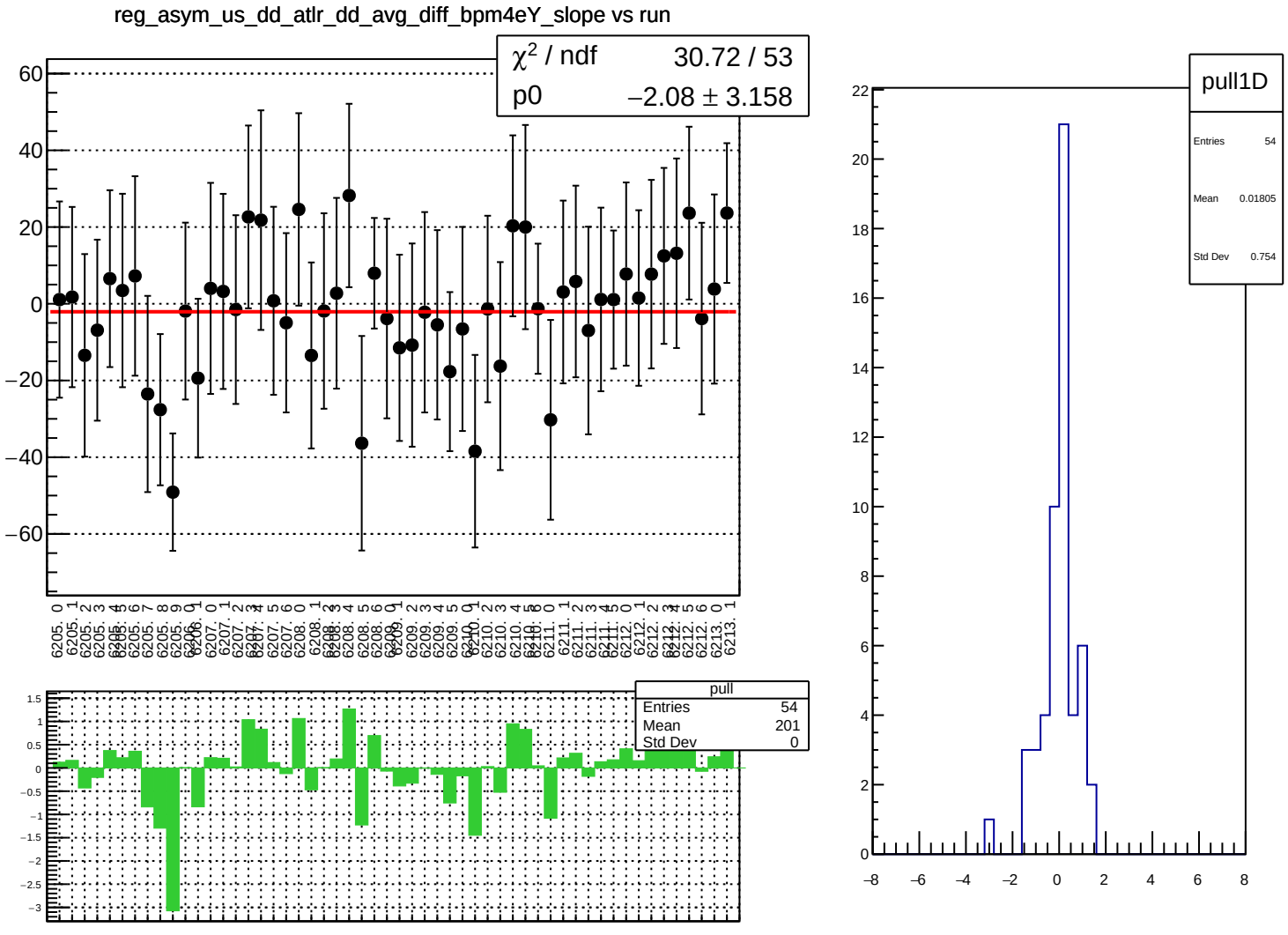

reg_asym_us_dd_atlr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 47.13 / 53
p0 55.06 ± 2.882
pull
Entries 54
Mean 86.1
Std Dev 0

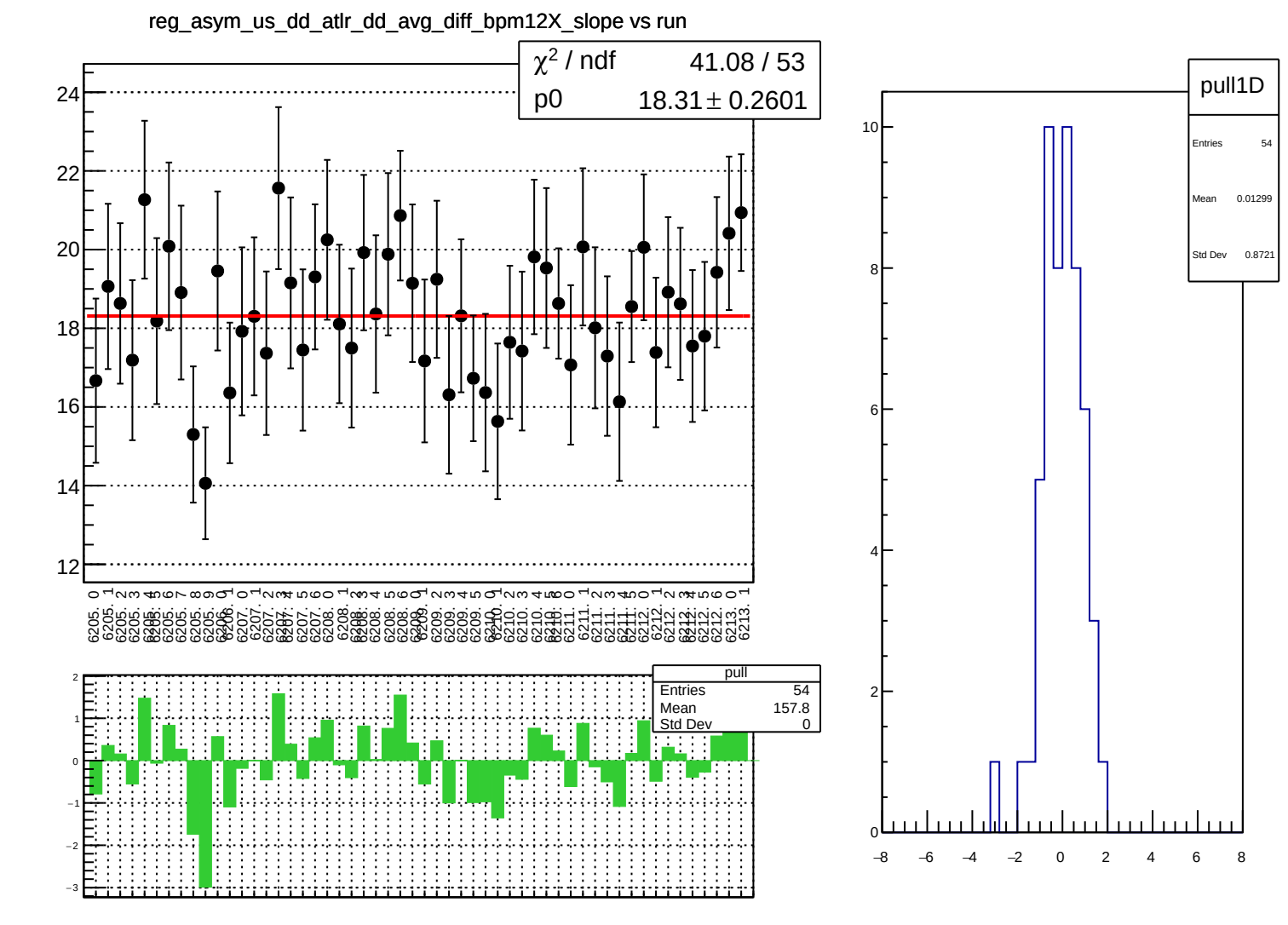

pull1D
Entries 54
Mean 0.06301
Std Dev 0.9321

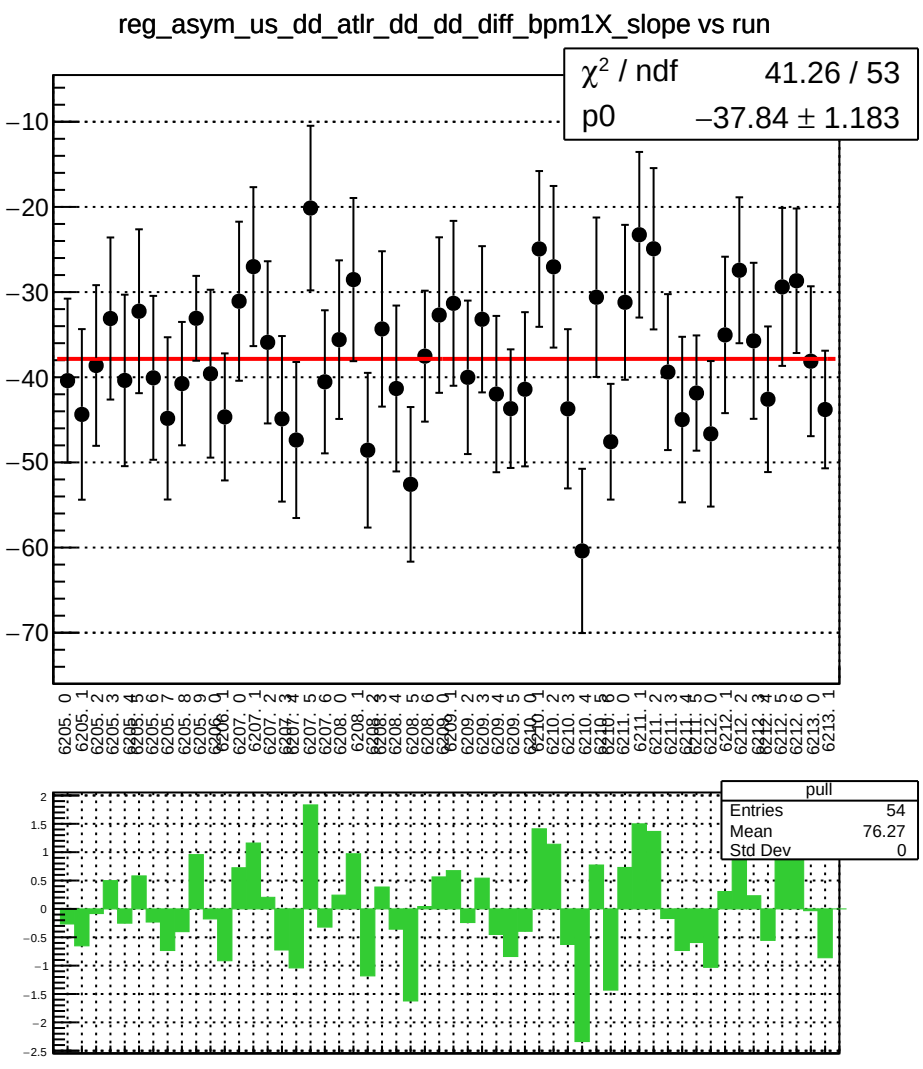

reg_asym_us_dd_atlr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 27.36 / 53
p0 −4.993 ± 2.832
pull
Entries 54
Mean 283.8
Std Dev 0
pull1D
Entries 54
Mean −0.01073
Std Dev 0.7118

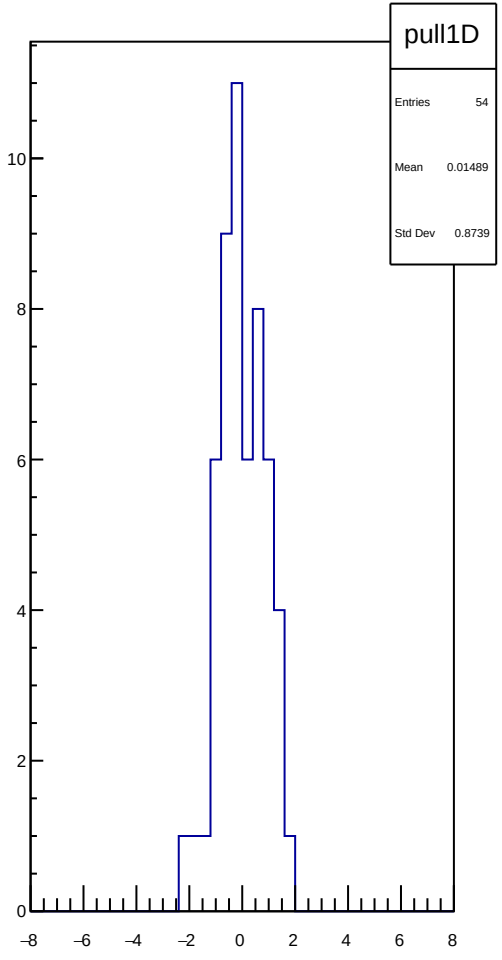

reg_asym_us_dd_atlr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 48.15 / 53
p0 −141.3 ± 3.153
pull
Entries 54
Mean 82.83
Std Dev 0

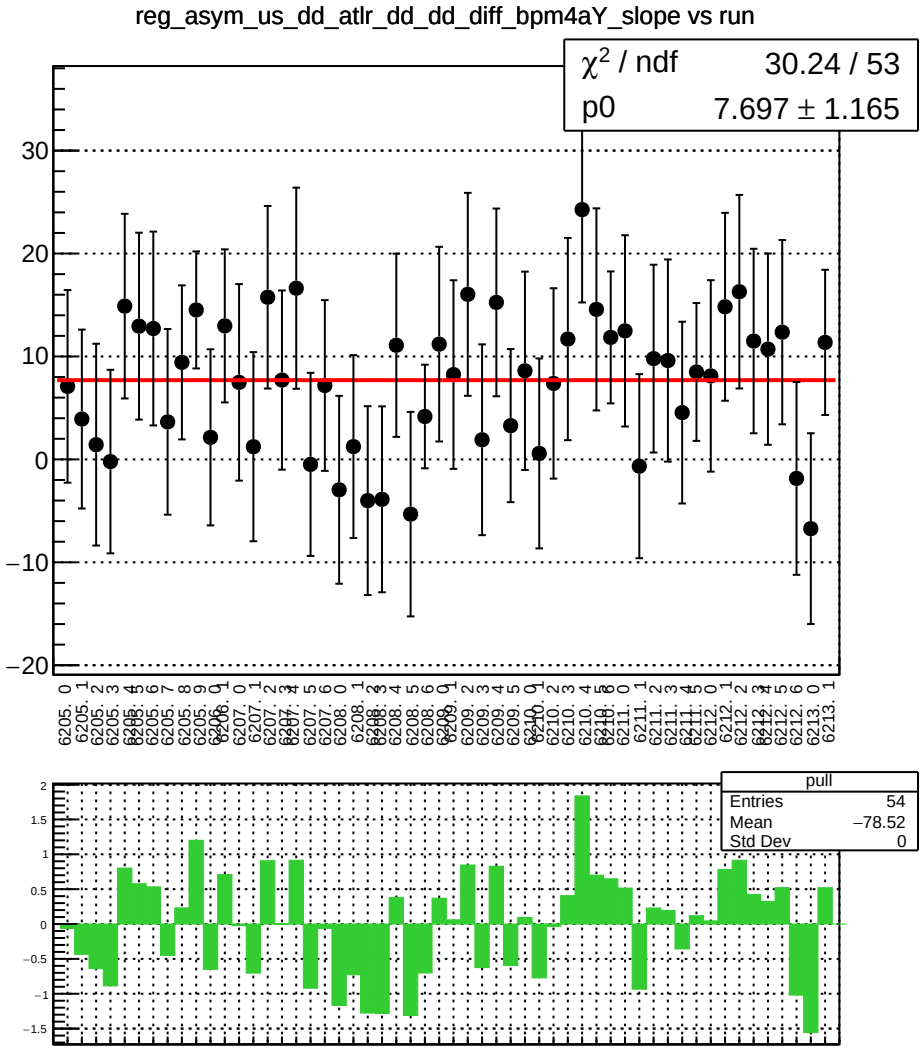

pull1D
Entries 54
Mean −0.07468
Std Dev 0.9413

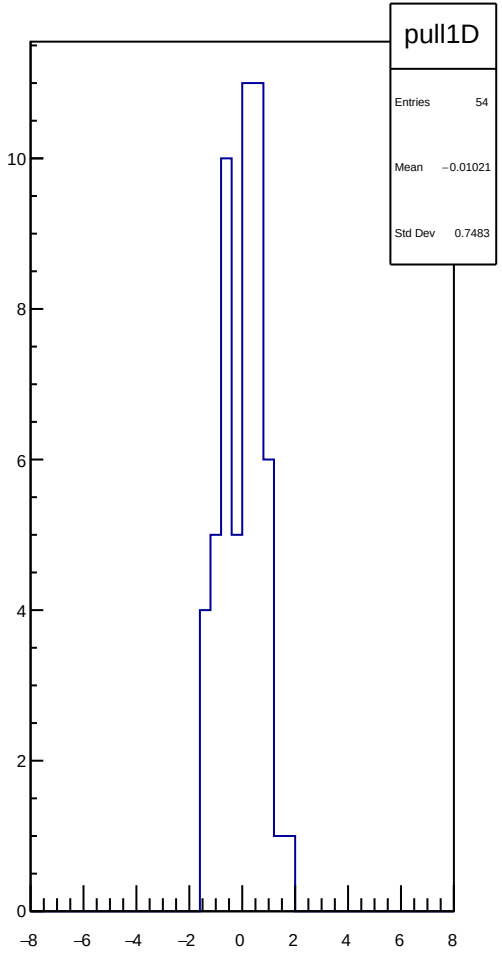

reg_asym_us_dd_atlr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 30.72 / 53
p0 −2.08 ± 3.158
pull
Entries 54
Mean 201
Std Dev 0
pull1D
Entries 54
Mean 0.01805
Std Dev 0.754

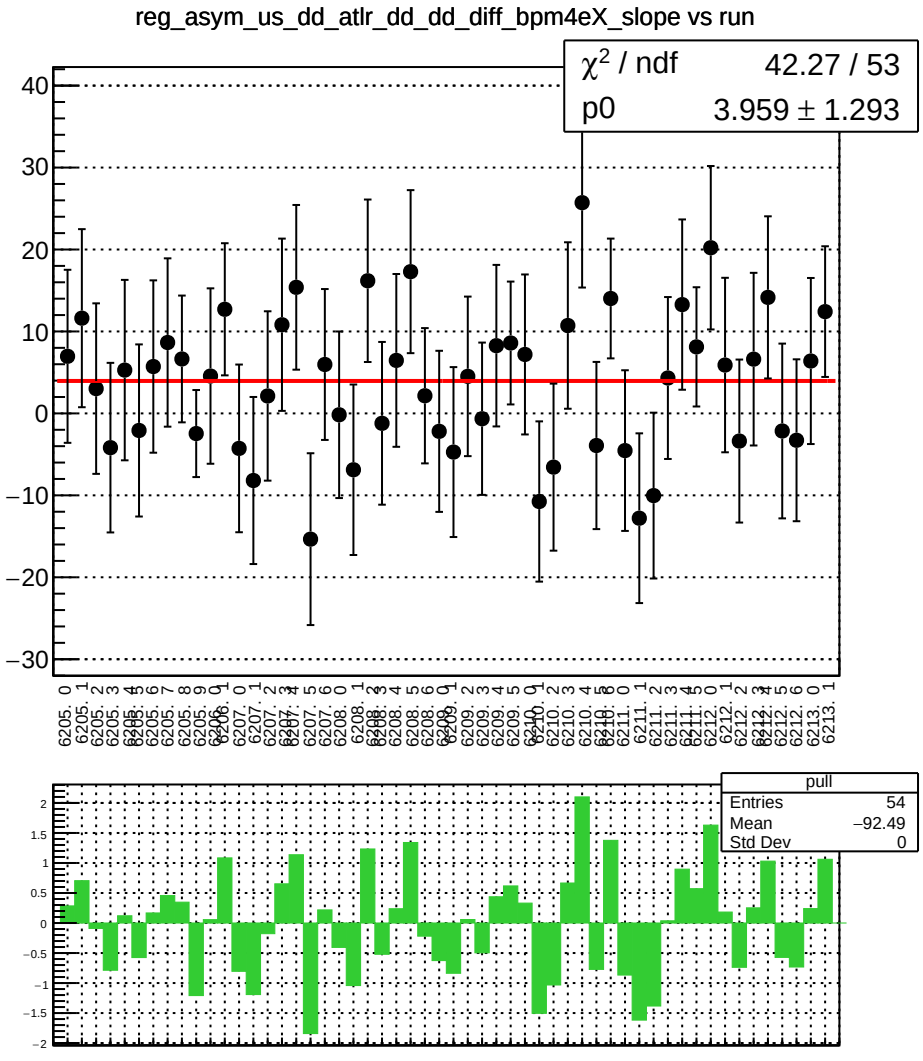

reg_asym_us_dd_atlr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 41.08 / 53
p0 18.31 ± 0.2601
pull
Entries 54
Mean 157.8
Std Dev 0
pull1D
Entries 54
Mean 0.01299
Std Dev 0.8721

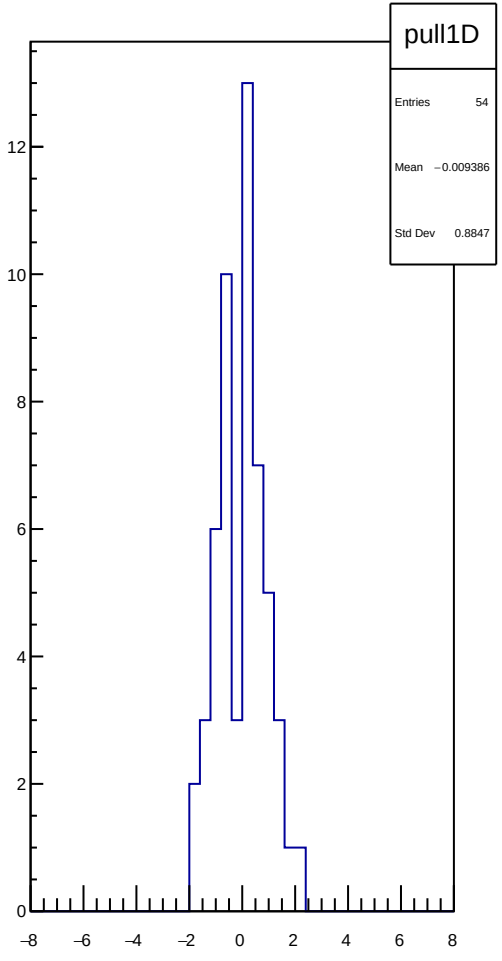

reg_asym_us_dd_atlr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 41.26 / 53
p0 −37.84 ± 1.183
pull
Entries 54
Mean 76.27
Std Dev 0

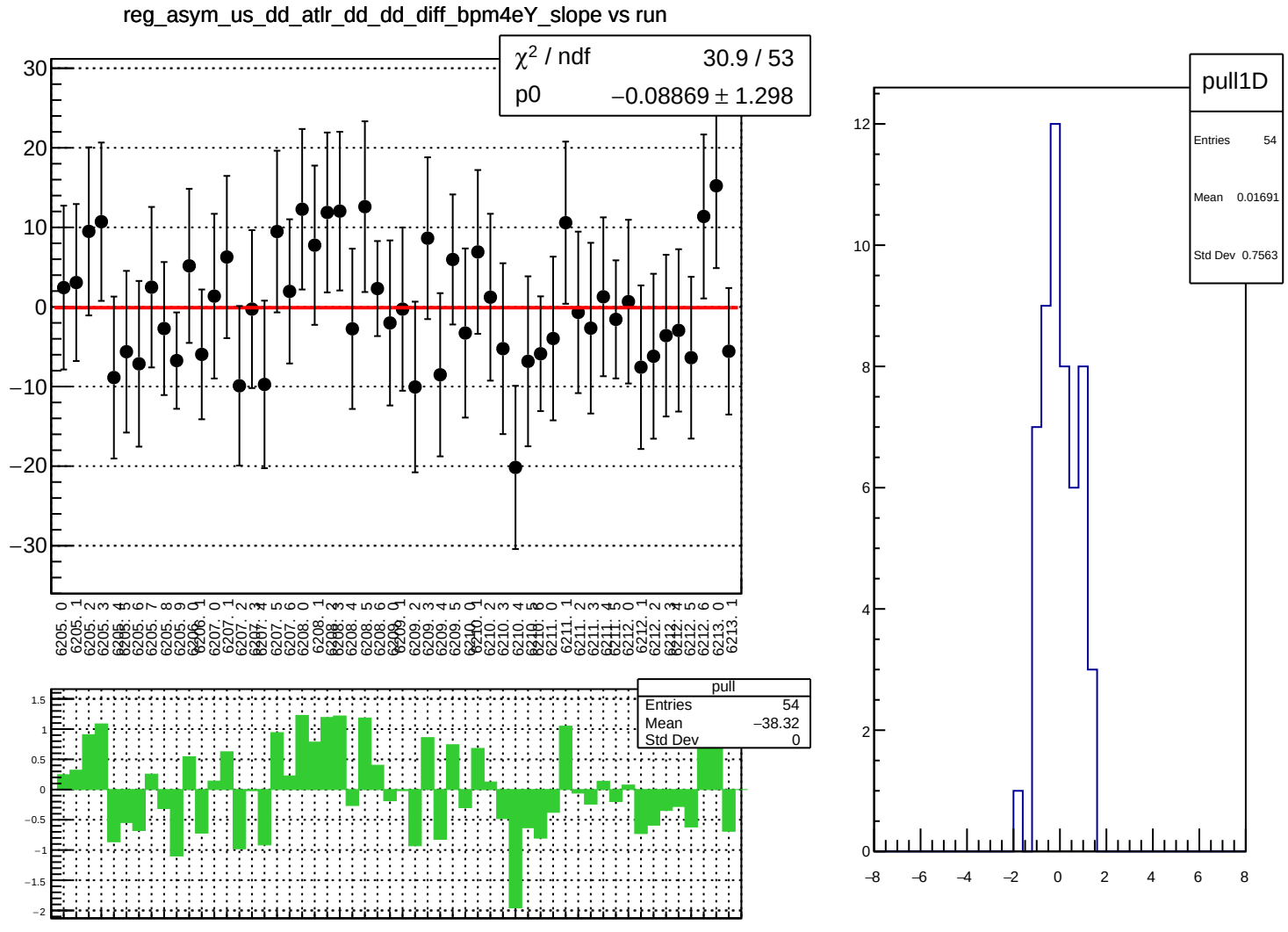

pull1D
Entries 54
Mean 0.01489
Std Dev 0.8739

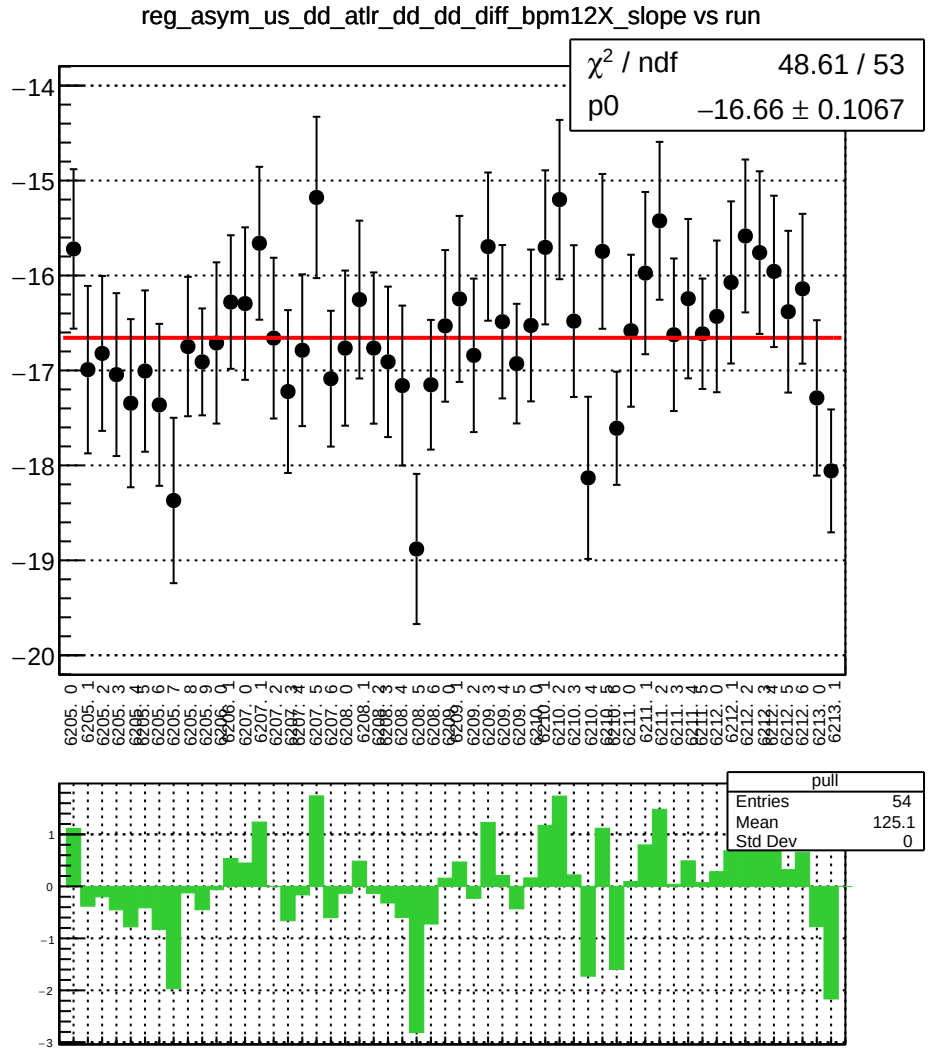

reg_asym_us_dd_atlr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 30.24 / 53
p0 7.697 ± 1.165
pull
Entries 54
Mean −78.52
Std Dev 0

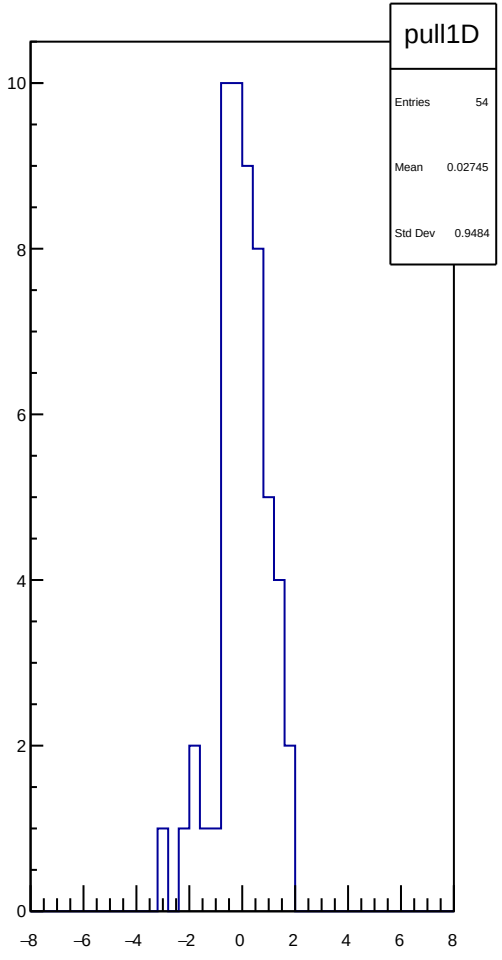

pull1D
Entries 54
Mean −0.01021
Std Dev 0.7483

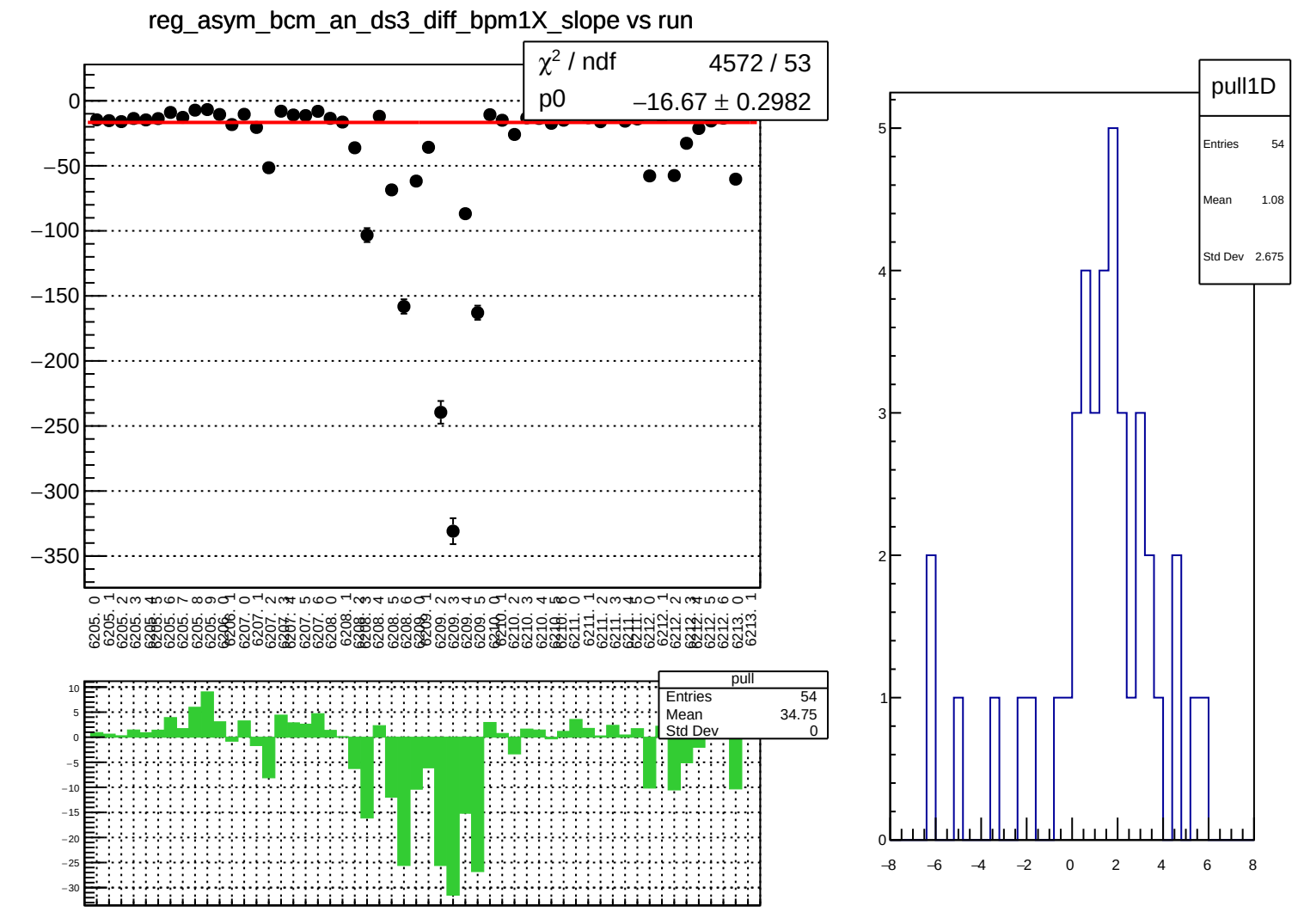

reg_asym_us_dd_atlr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 42.27 / 53
p0 3.959 ± 1.293
pull
Entries 54
Mean −92.49
Std Dev 0

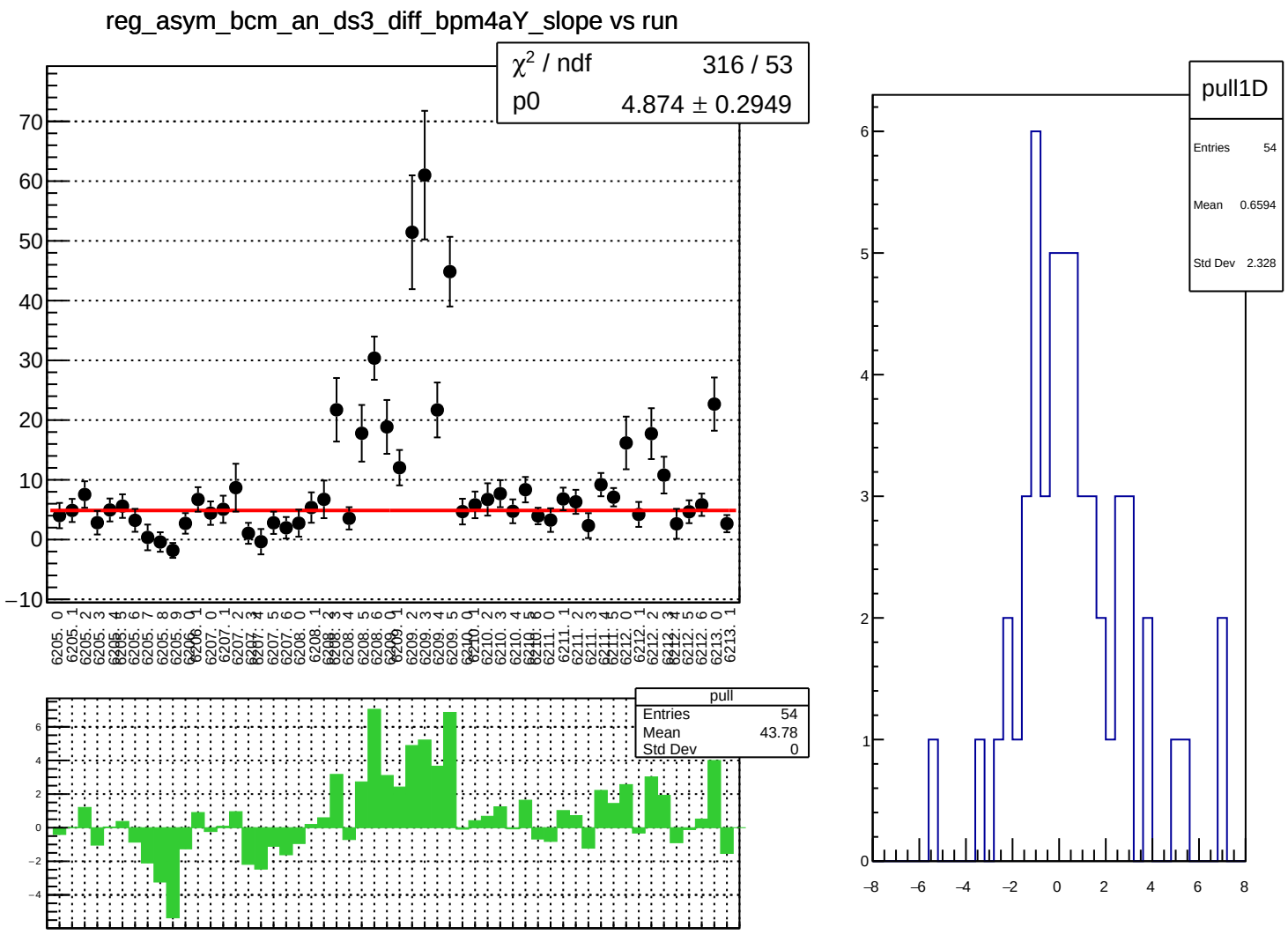

pull1D
Entries 54
Mean −0.009386
Std Dev 0.8847

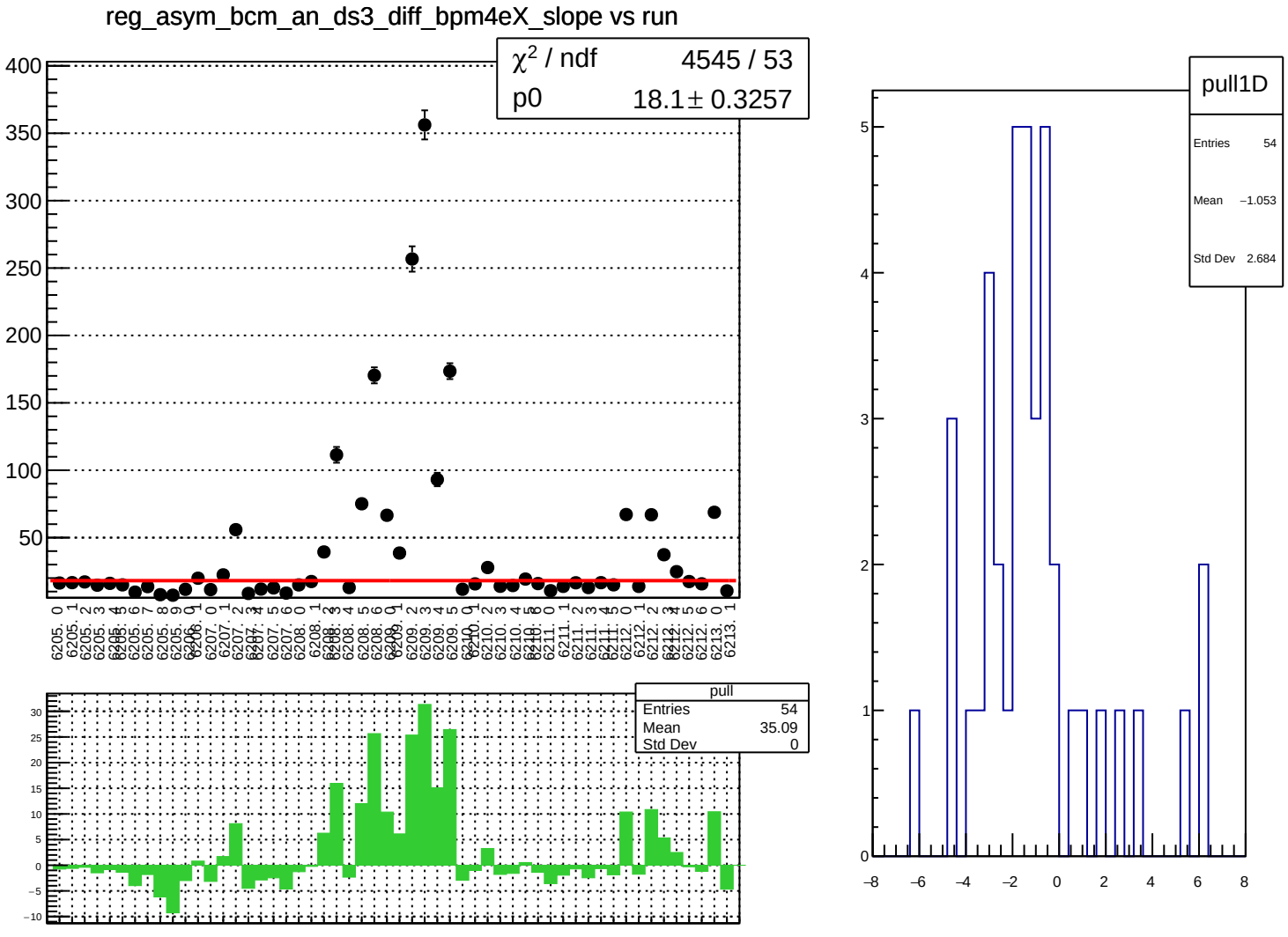

reg_asym_us_dd_atlr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 30.9 / 53
p0 −0.08869 ± 1.298
pull
Entries 54
Mean −38.32
Std Dev 0
pull1D
Entries 54
Mean 0.01691
Std Dev 0.7563

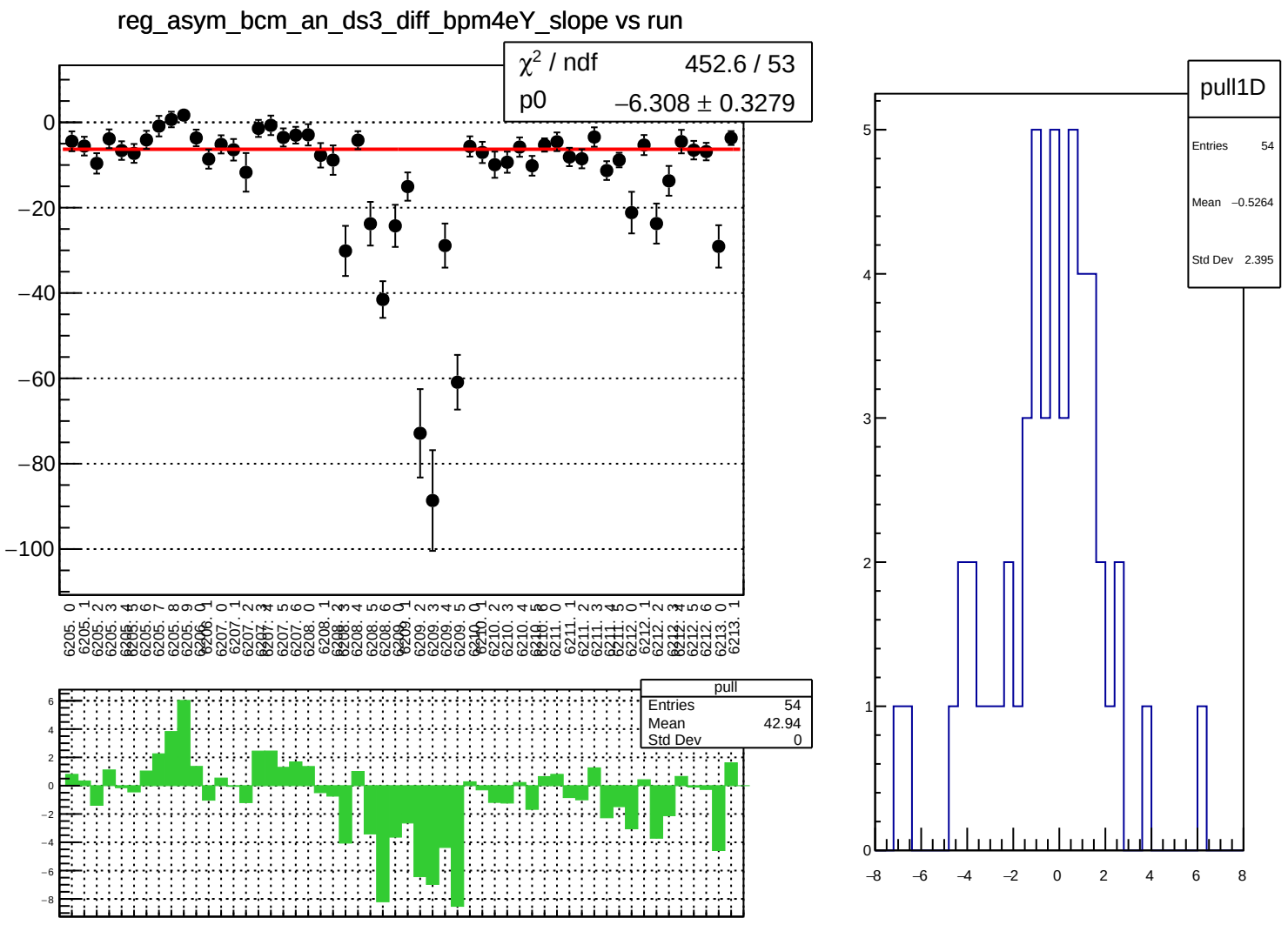

reg_asym_us_dd_atlr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 48.61 / 53
p0 −16.66 ± 0.1067
pull
Entries 54
Mean 125.1
Std Dev 0

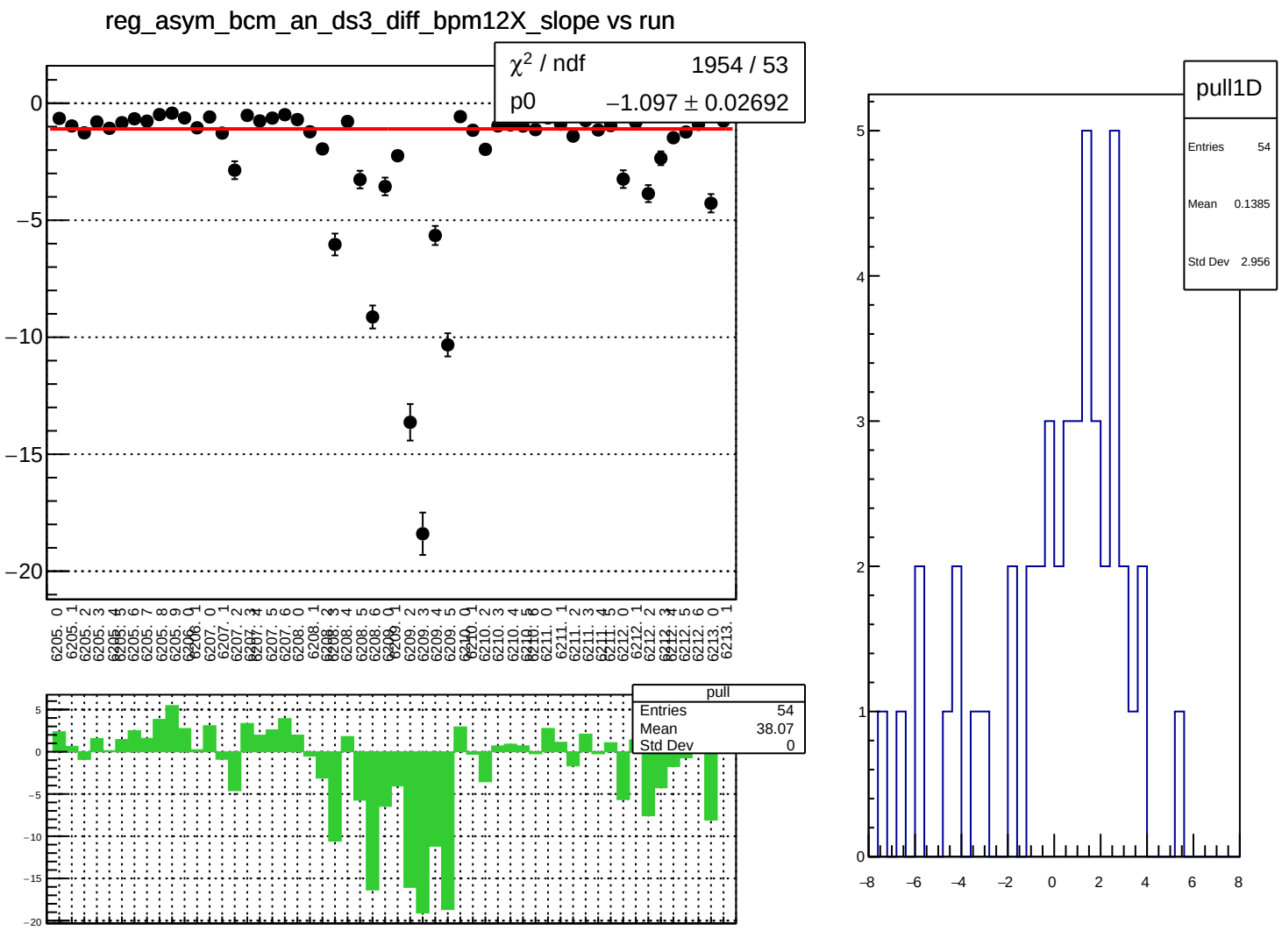

pull1D
Entries 54
Mean 0.02745
Std Dev 0.9484

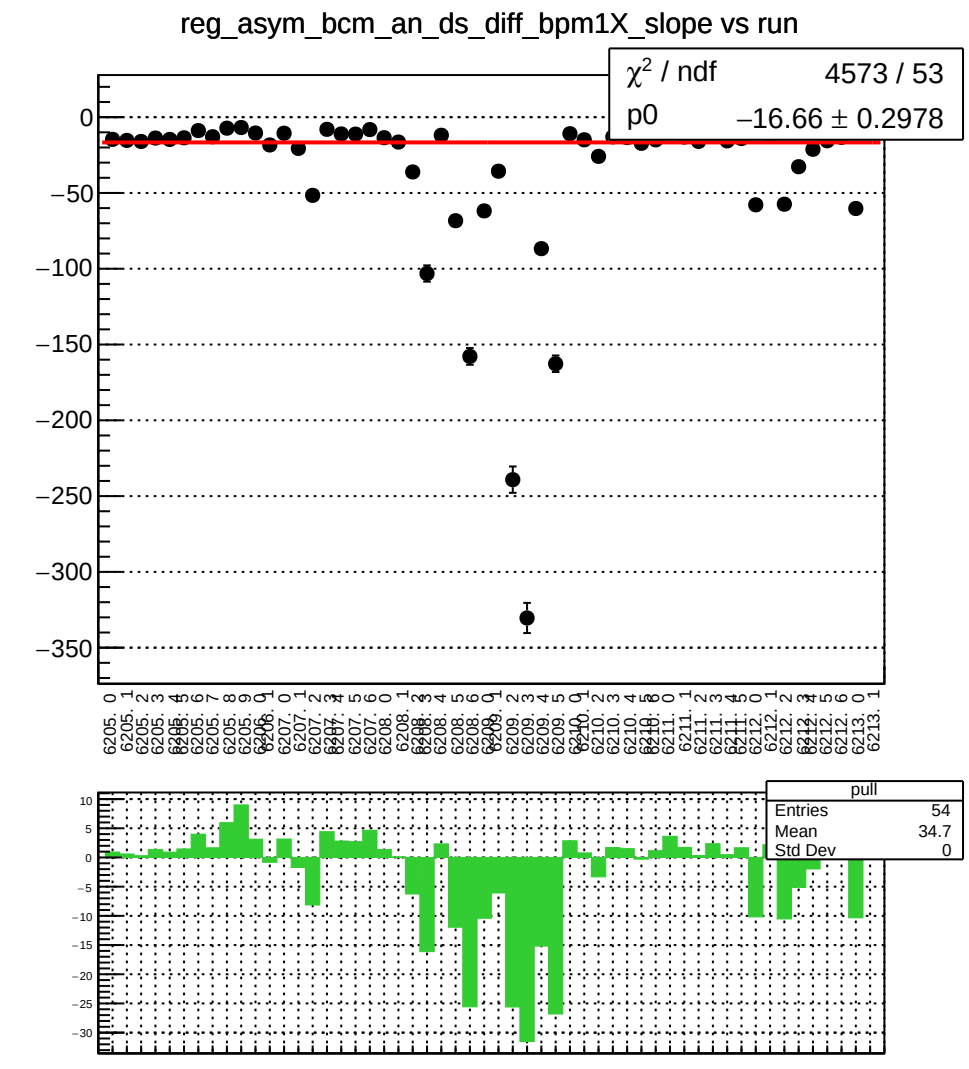

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs run
χ² / ndf 4572 / 53
p0 −16.67 ± 0.2982
pull
Entries 54
Mean 34.75
Std Dev 0
pull1D
Entries 54
Mean 1.08
Std Dev 2.675

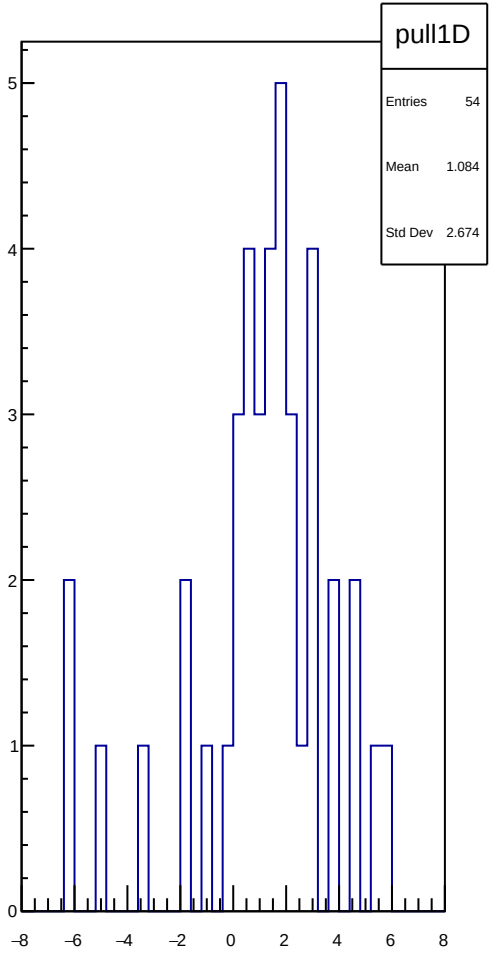

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 316 / 53
p0 4.874 ± 0.2949
pull
Entries 54
Mean 43.78
Std Dev 0
pull1D
Entries 54
Mean 0.6594
Std Dev 2.328

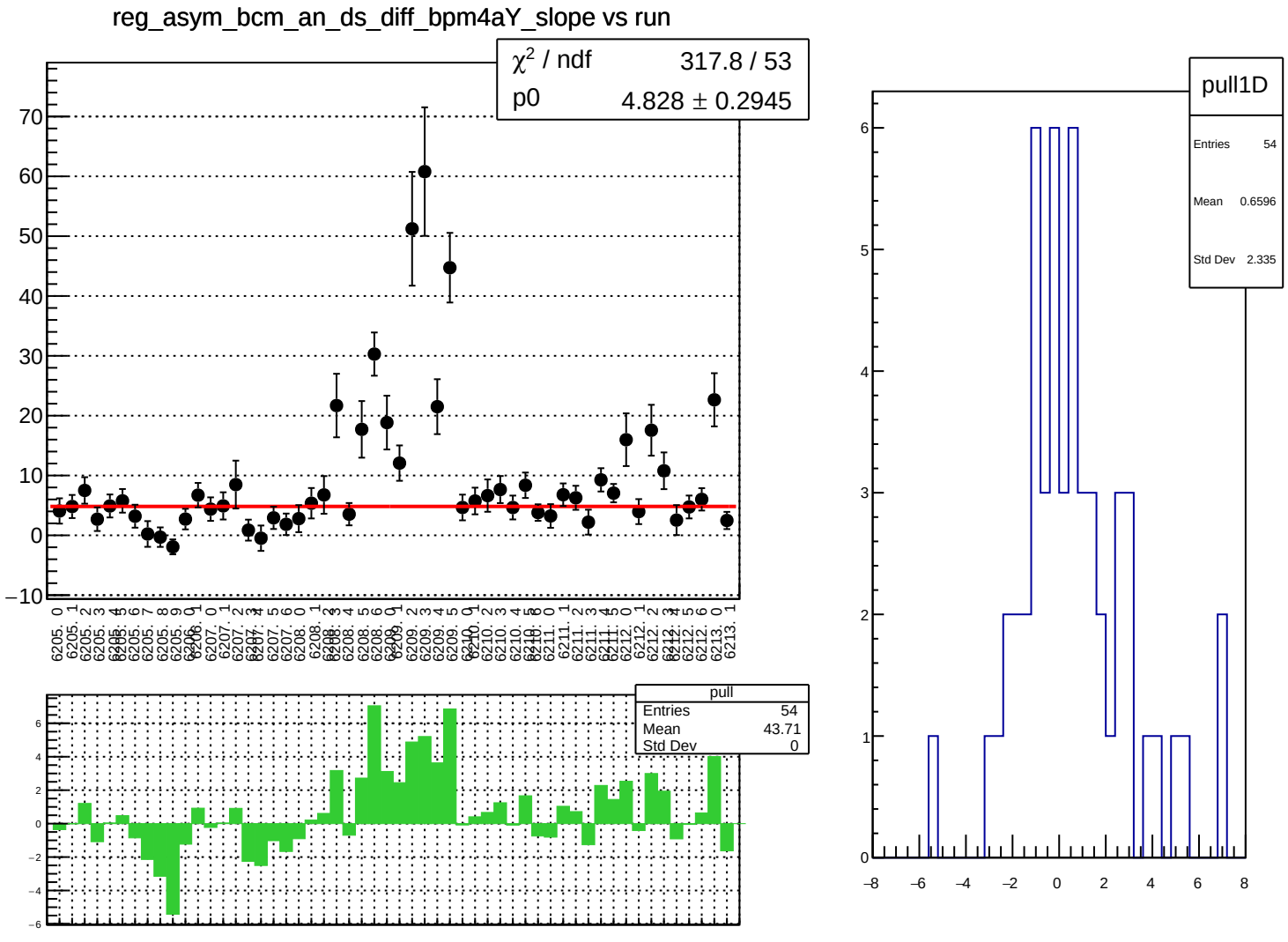

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 4545 / 53
p0 18.1 ± 0.3257
pull
Entries 54
Mean 35.09
Std Dev 0
pull1D
Entries 54
Mean −1.053
Std Dev 2.684

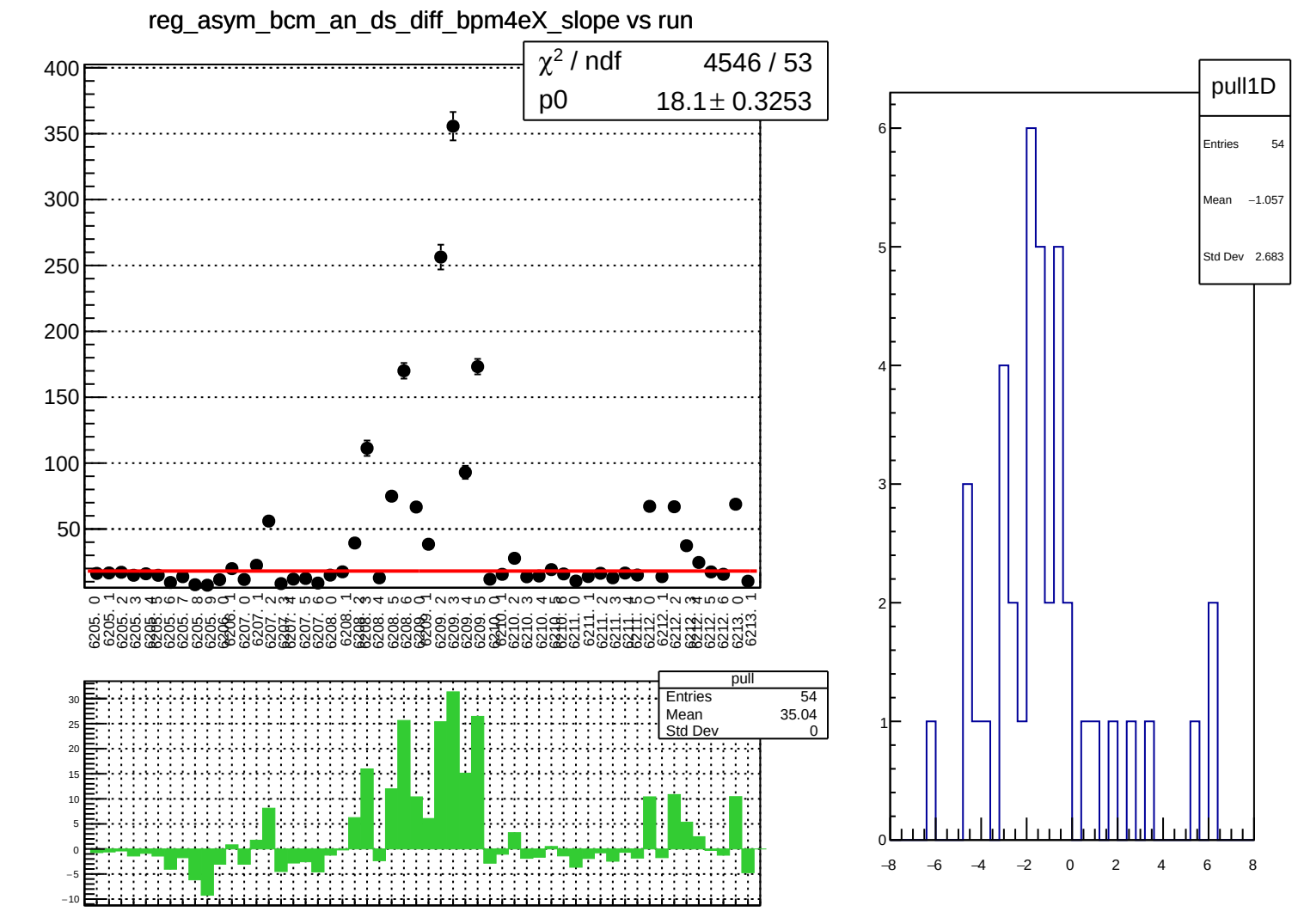

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 452.6 / 53
p0 −6.308 ± 0.3279
pull
Entries 54
Mean 42.94
Std Dev 0
pull1D
Entries 54
Mean −0.5264
Std Dev 2.395

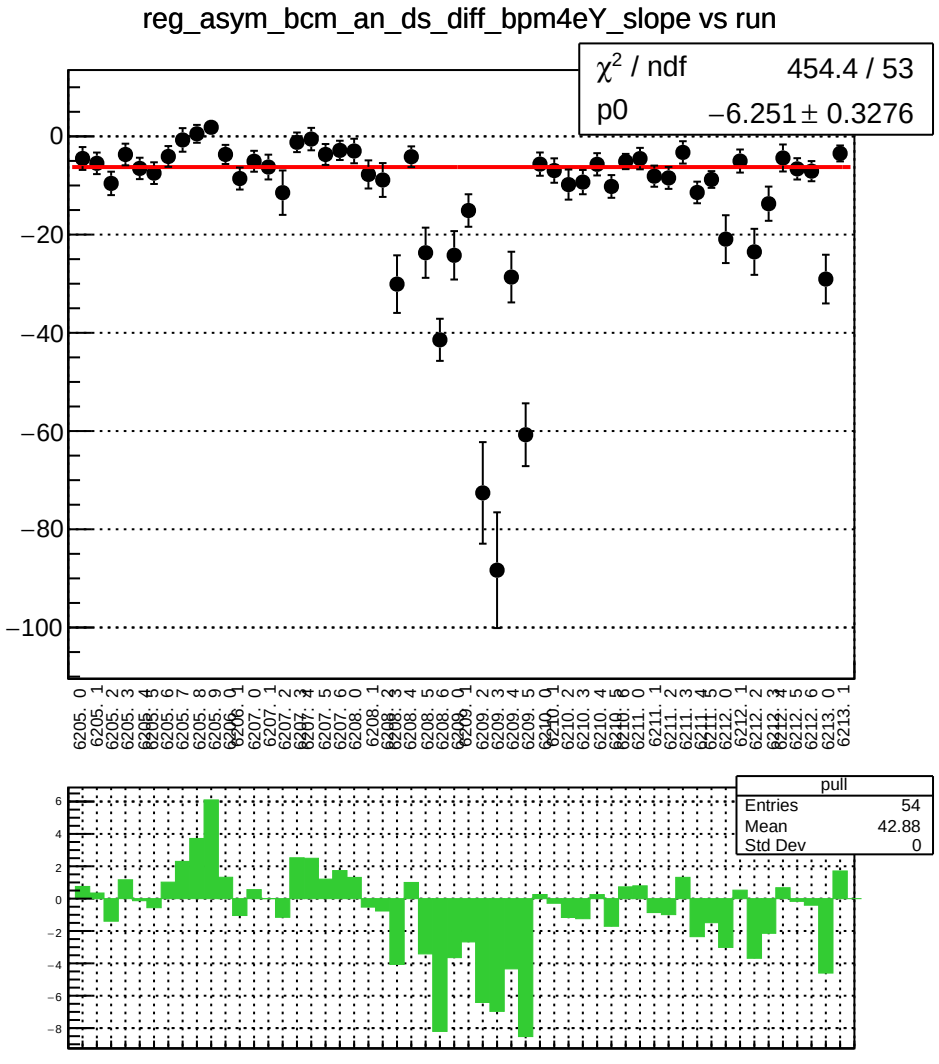

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ² / ndf 1954 / 53
p0 −1.097 ± 0.02692
pull
Entries 54
Mean 38.07
Std Dev 0
pull1D
Entries 54
Mean 0.1385
Std Dev 2.956

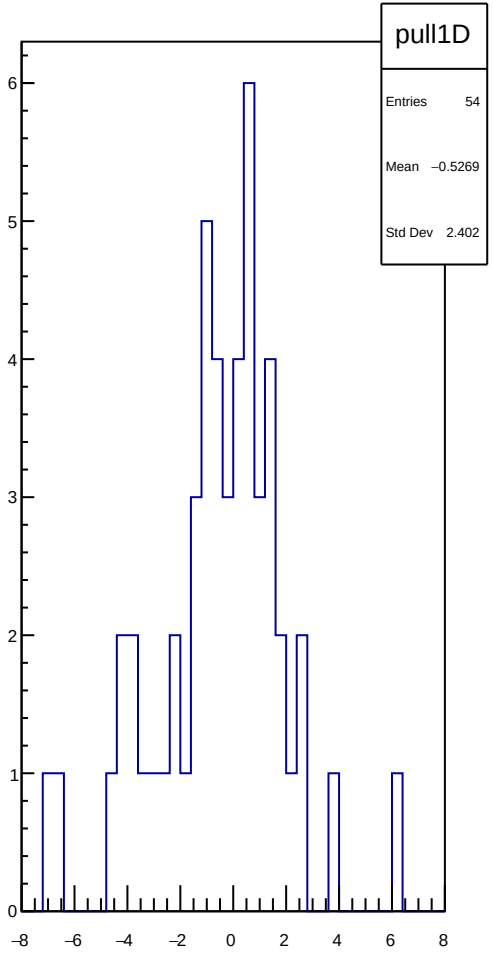

reg_asym_bcm_an_ds_diff_bpm1X_slope vs run
χ² / ndf 4573 / 53
p0 −16.66 ± 0.2978
pull
Entries 54
Mean 34.7
Std Dev 0

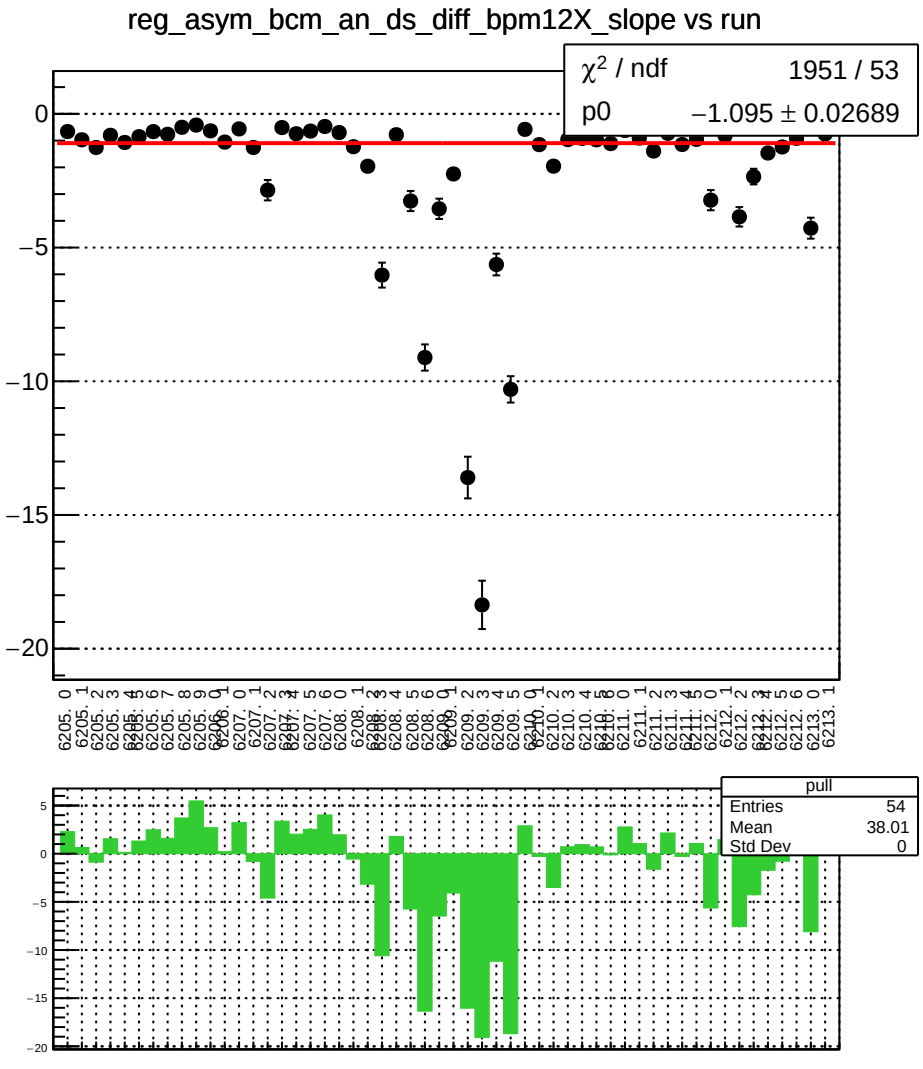

pull1D
Entries 54
Mean 1.084
Std Dev 2.674

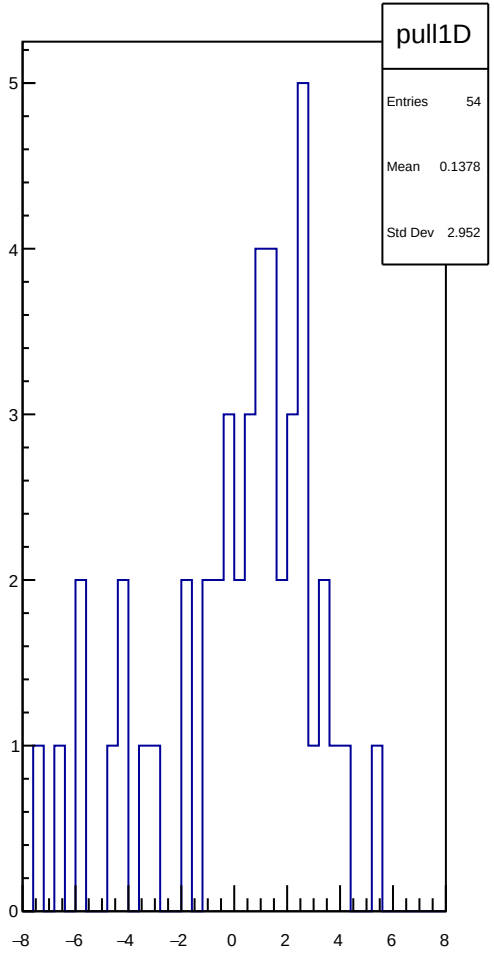

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 317.8 / 53
p0 4.828 ± 0.2945
pull
Entries 54
Mean 43.71
Std Dev 0
pull1D
Entries 54
Mean 0.6596
Std Dev 2.335

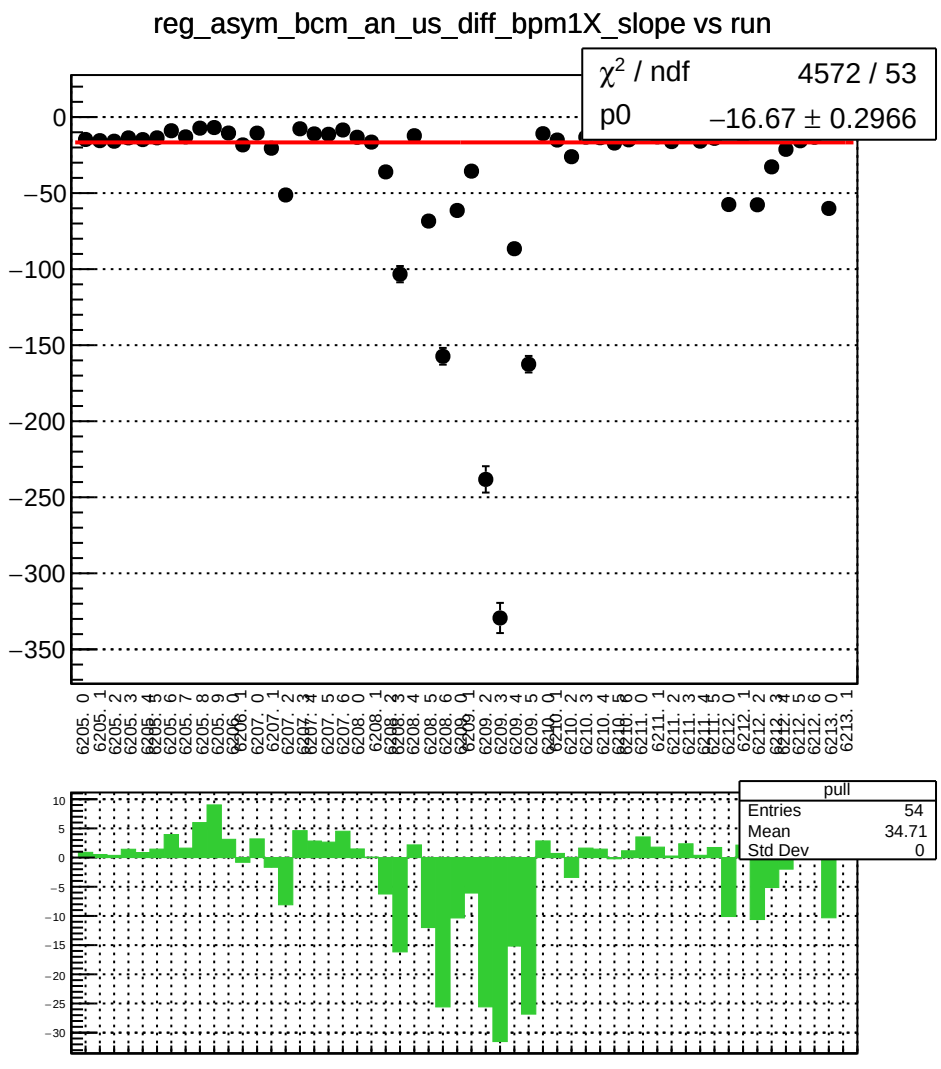

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 4546 / 53
p0 18.1 ± 0.3253
pull
Entries 54
Mean 35.04
Std Dev 0
pull1D
Entries 54
Mean −1.057
Std Dev 2.683

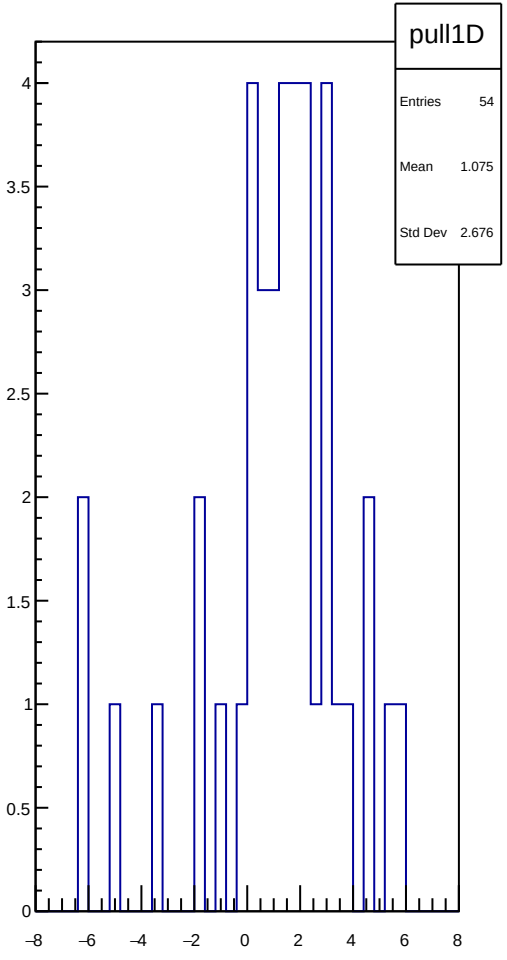

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 454.4 / 53
p0 −6.251 ± 0.3276
pull
Entries 54
Mean 42.88
Std Dev 0

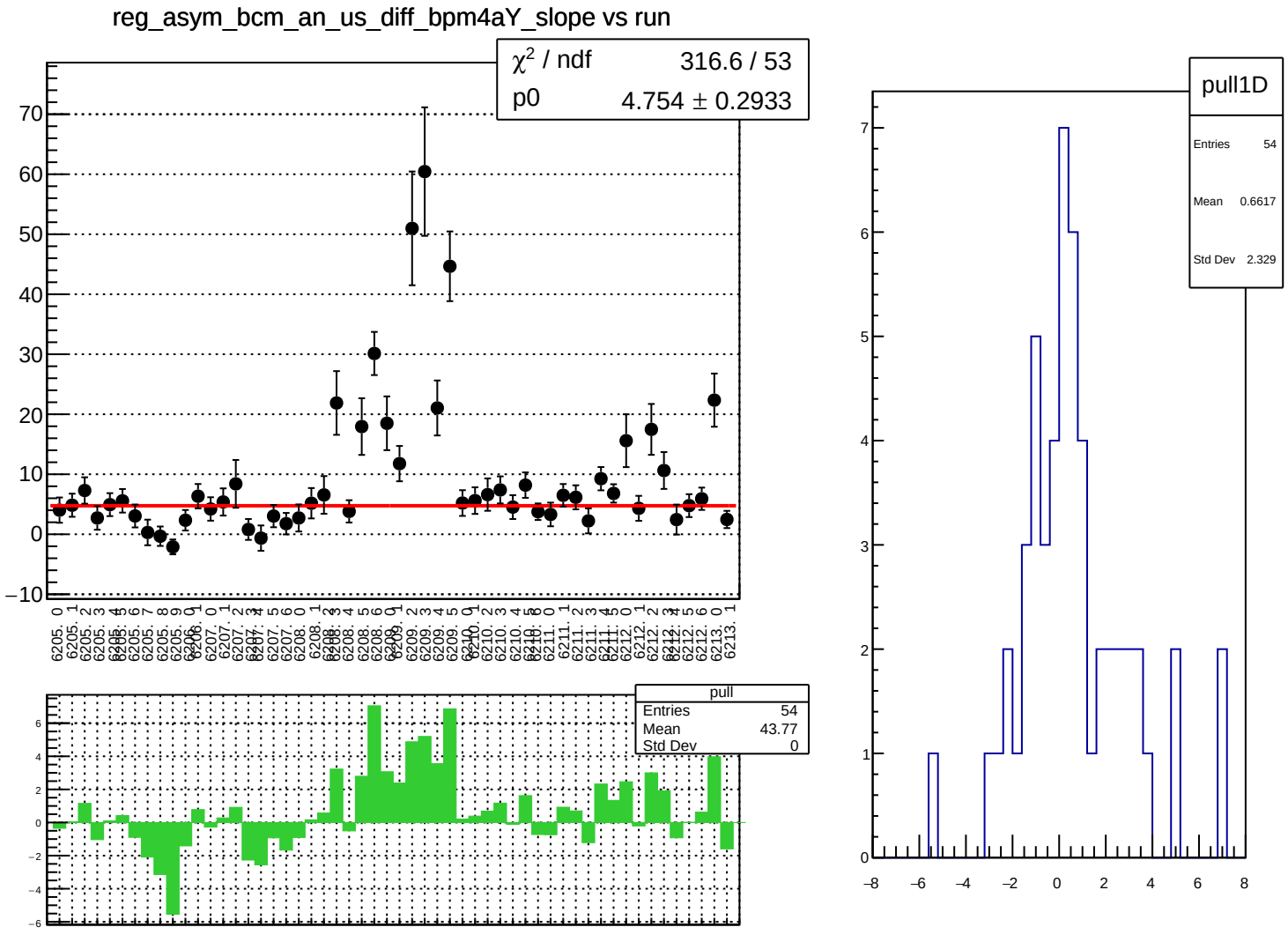

pull1D
Entries 54
Mean −0.5269
Std Dev 2.402

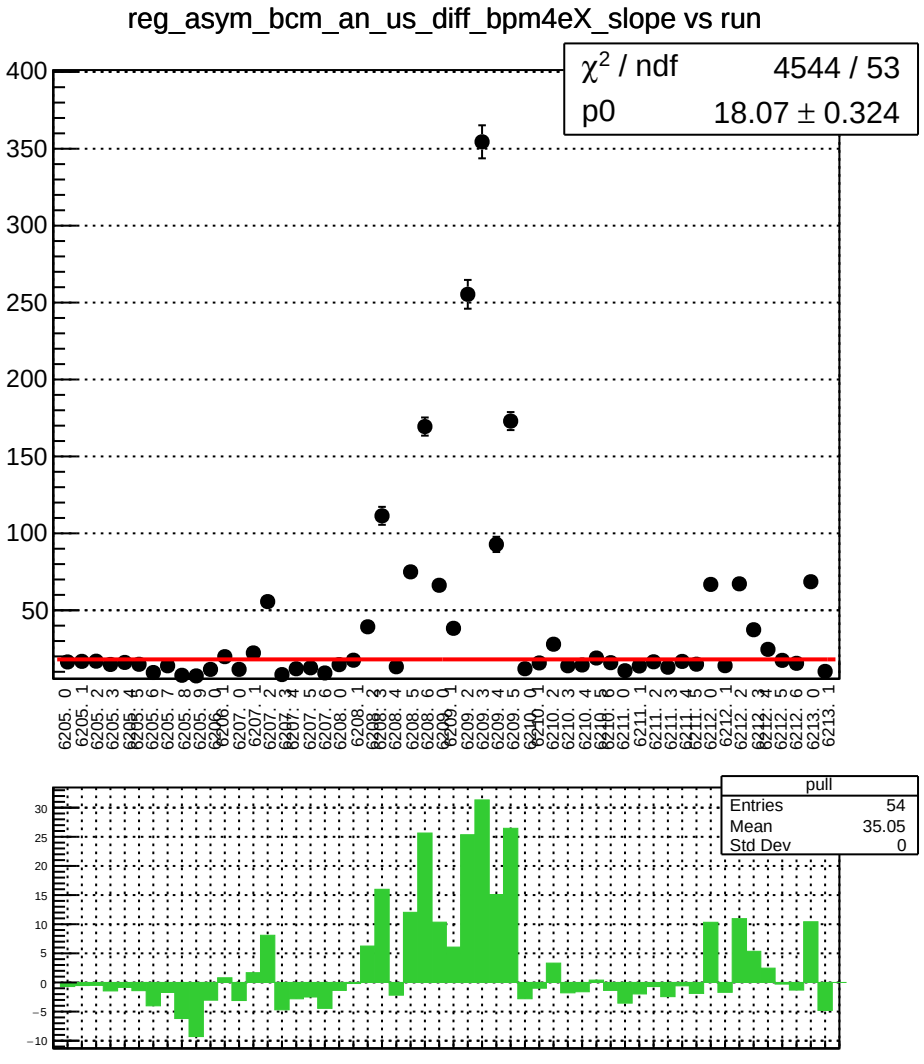

reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ² / ndf 1951 / 53
p0 −1.095 ± 0.02689
pull
Entries 54
Mean 38.01
Std Dev 0

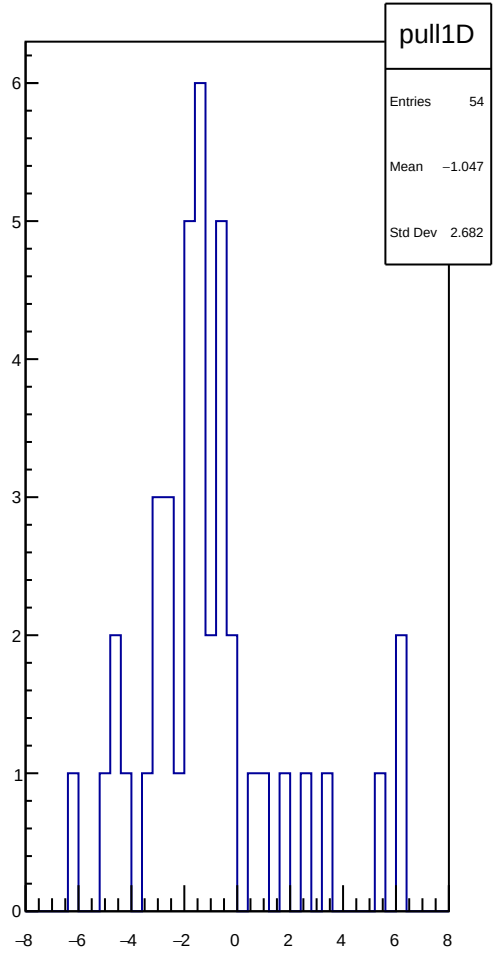

pull1D
Entries 54
Mean 0.1378
Std Dev 2.952

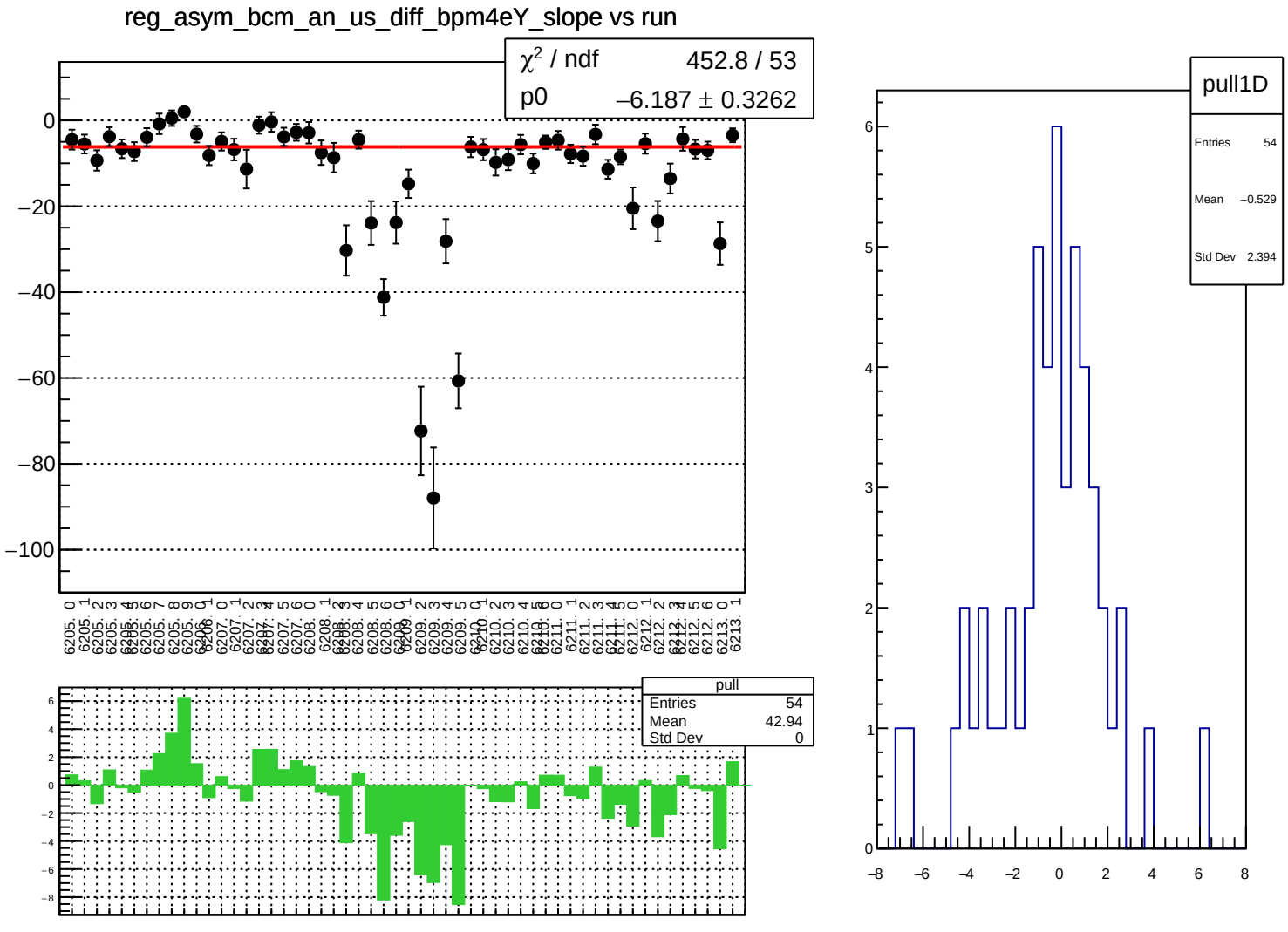

reg_asym_bcm_an_us_diff_bpm1X_slope vs run
χ² / ndf 4572 / 53
p0 −16.67 ± 0.2966
pull
Entries 54
Mean 34.71
Std Dev 0

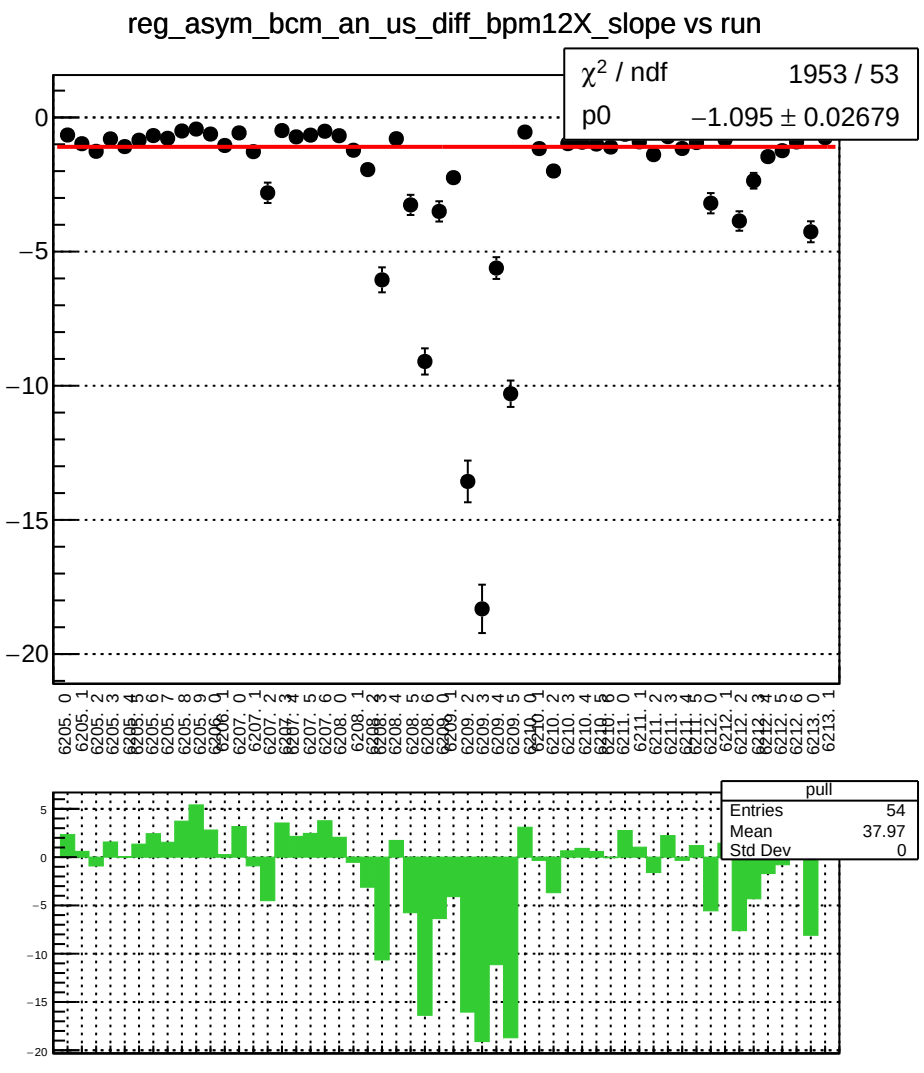

pull1D
Entries 54
Mean 1.075
Std Dev 2.676

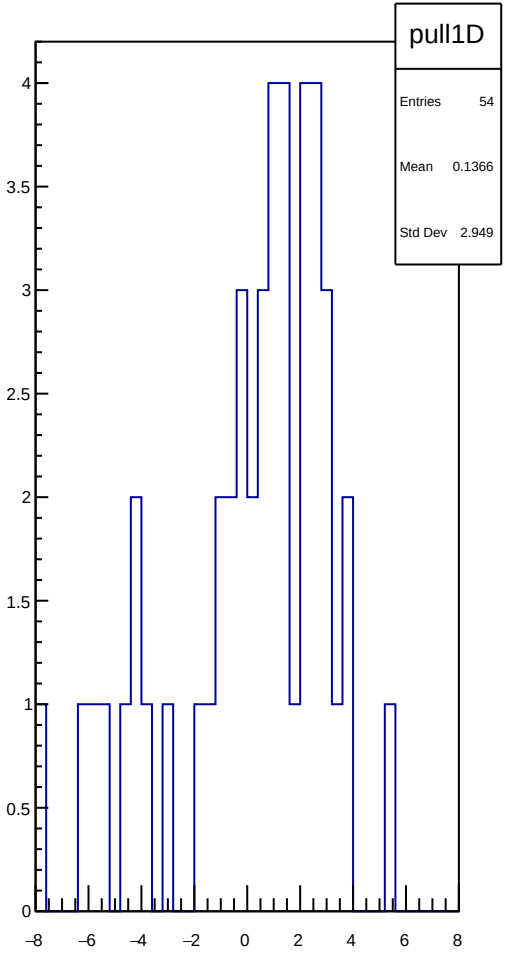

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 316.6 / 53
p0 4.754 ± 0.2933
pull
Entries 54
Mean 43.77
Std Dev 0
pull1D
Entries 54
Mean 0.6617
Std Dev 2.329

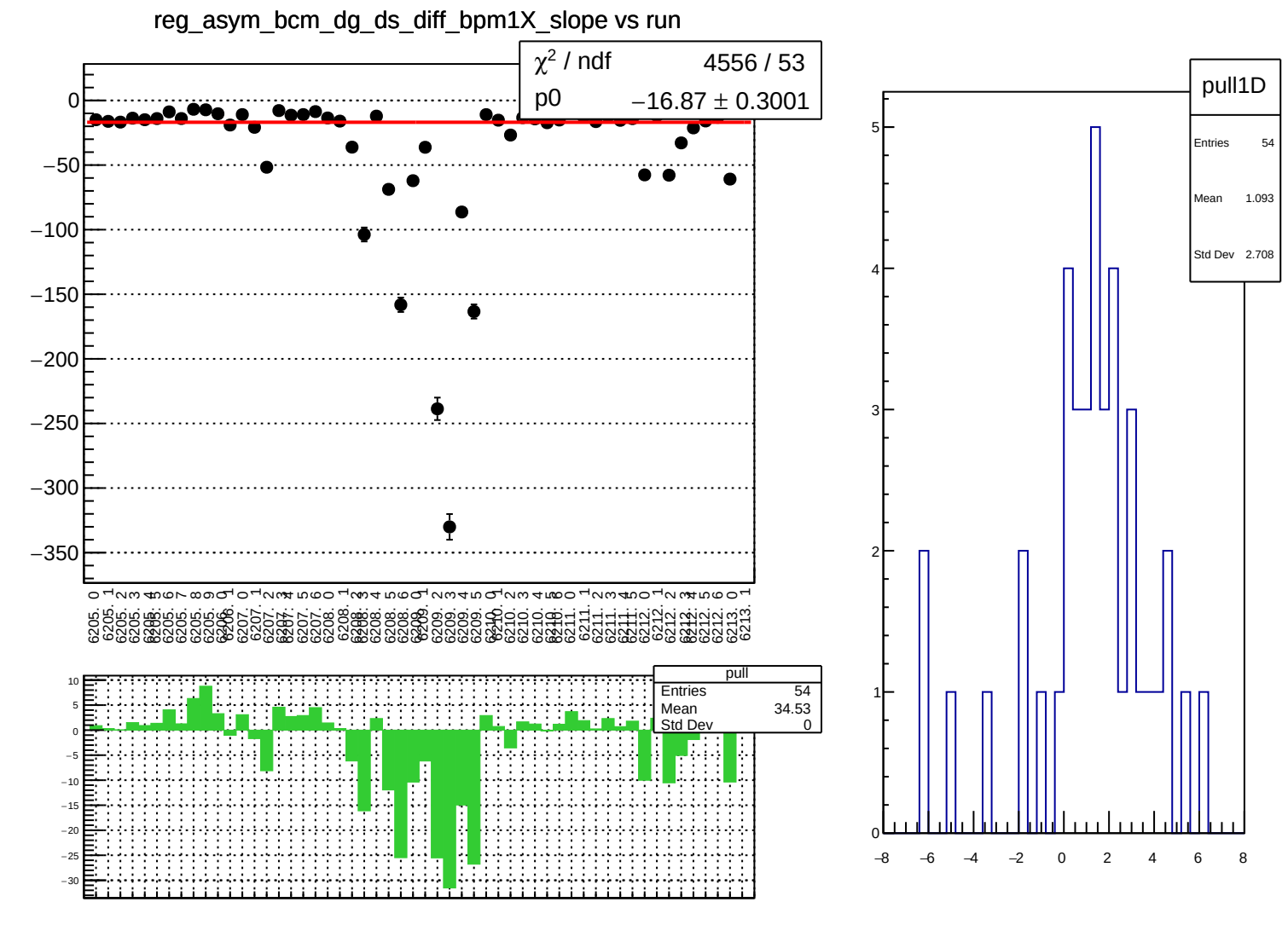

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 4544 / 53
p0 18.07 ± 0.324
pull
Entries 54
Mean 35.05
Std Dev 0

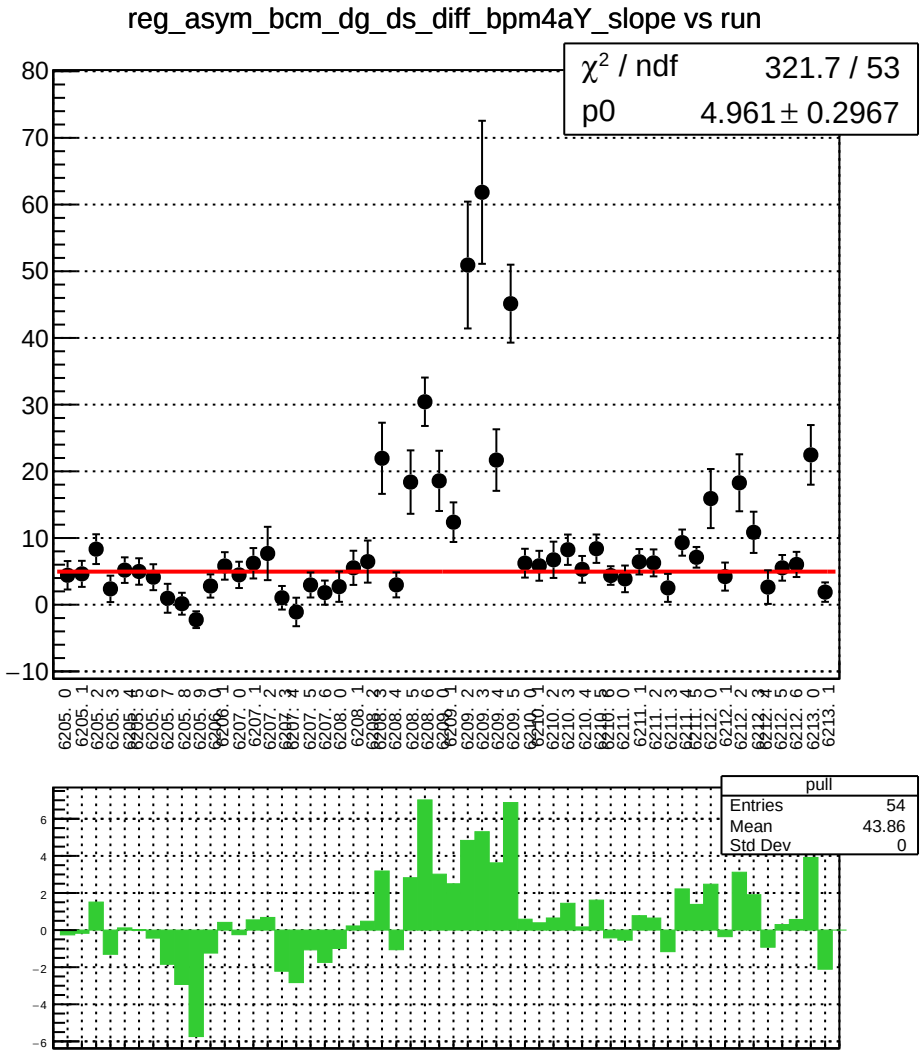

pull1D
Entries 54
Mean −1.047
Std Dev 2.682

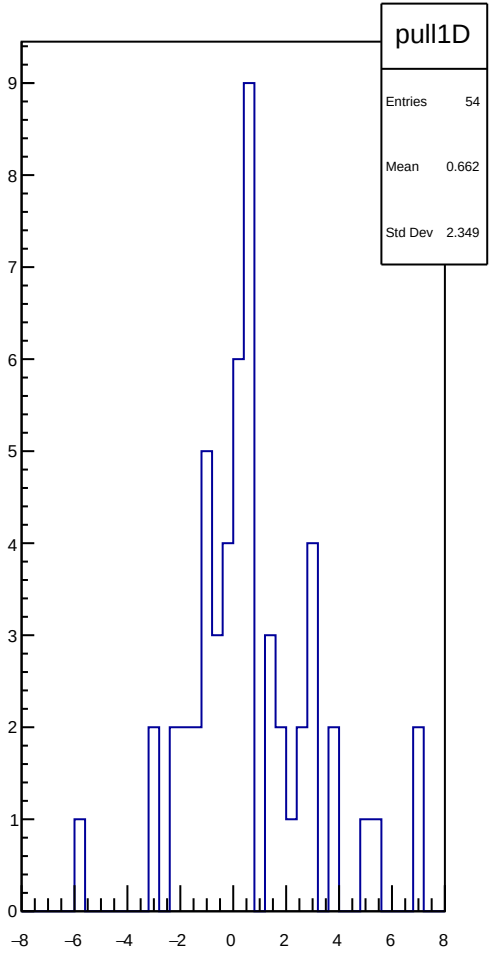

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 452.8 / 53
p0 −6.187 ± 0.3262
pull
Entries 54
Mean 42.94
Std Dev 0
pull1D
Entries 54
Mean −0.529
Std Dev 2.394

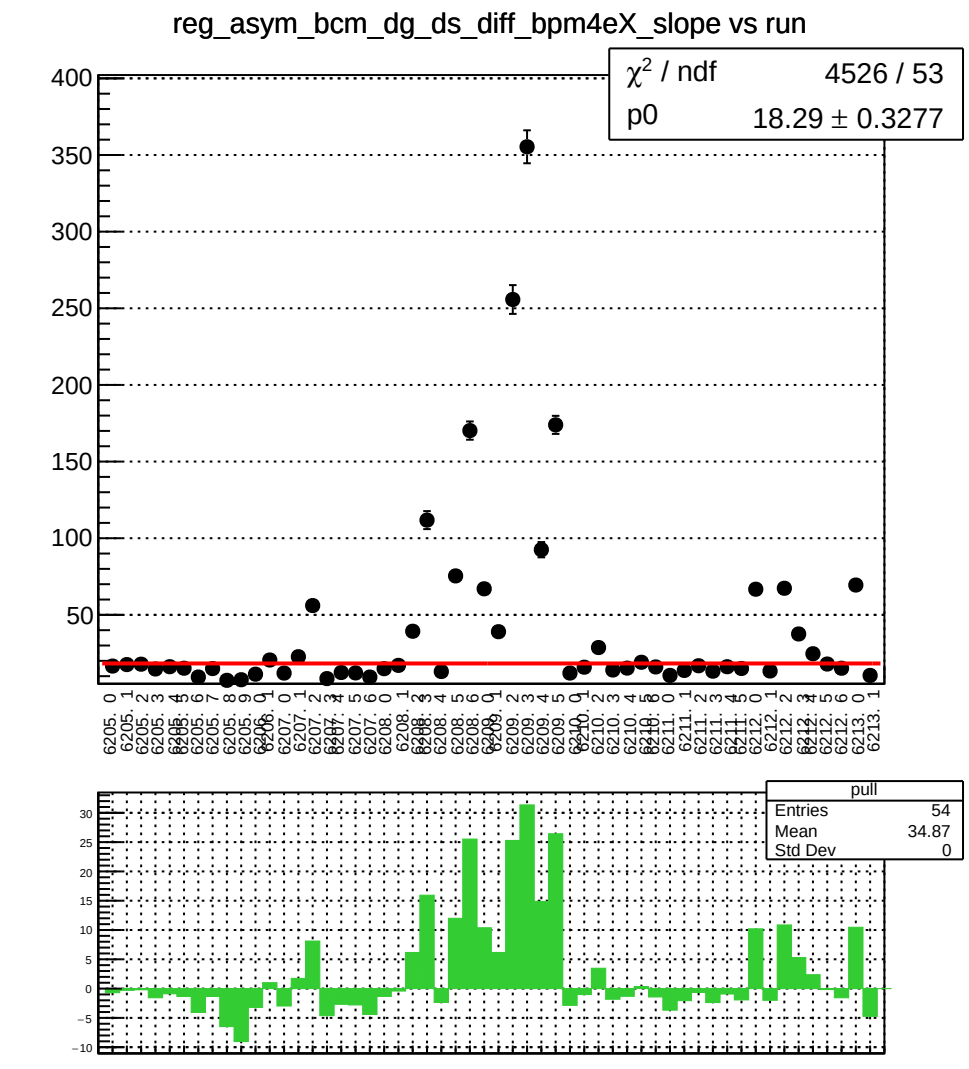

reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ² / ndf 1953 / 53
p0 −1.095 ± 0.02679
pull
Entries 54
Mean 37.97
Std Dev 0

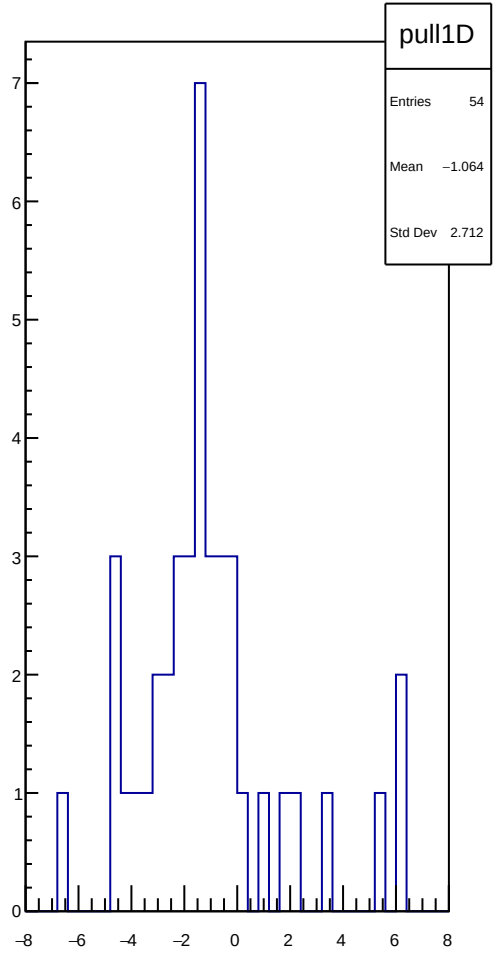

pull1D
Entries 54
Mean 0.1366
Std Dev 2.949

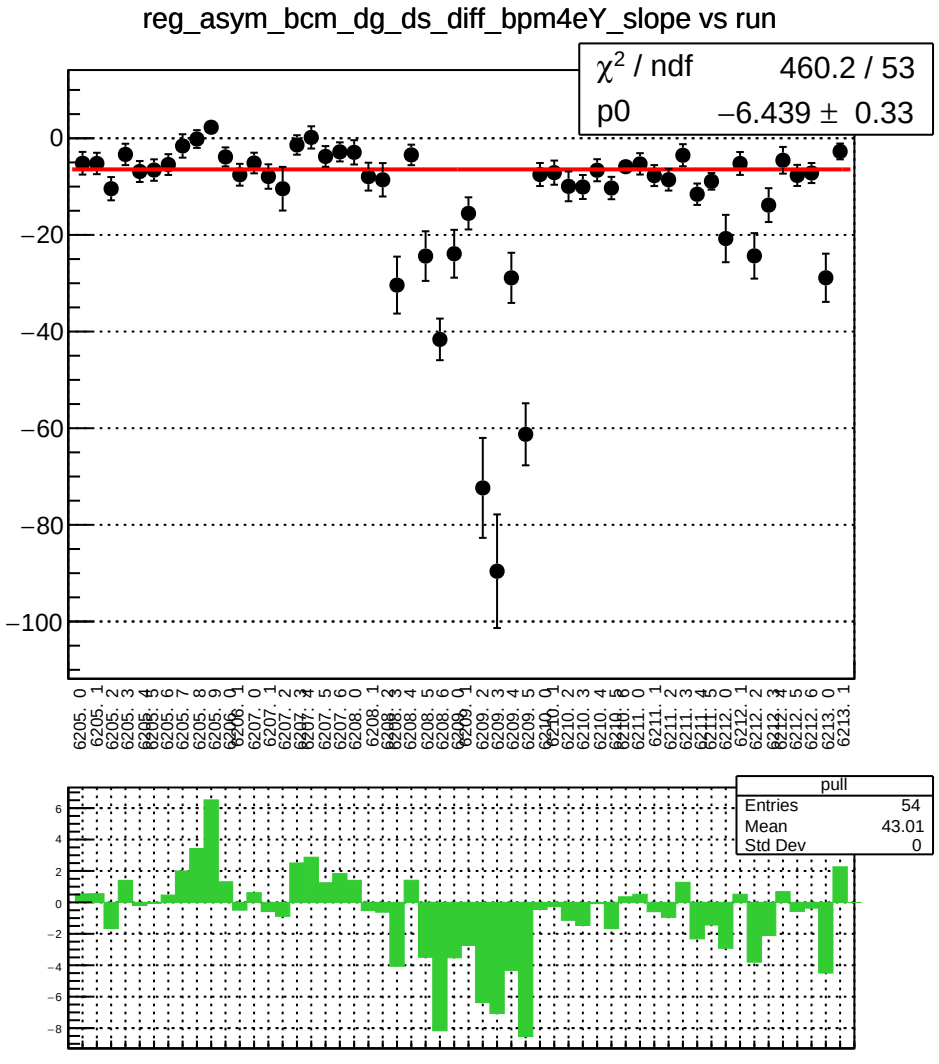

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs run
χ² / ndf 4556 / 53
p0 −16.87 ± 0.3001
pull
Entries 54
Mean 34.53
Std Dev 0
pull1D
Entries 54
Mean 1.093
Std Dev 2.708

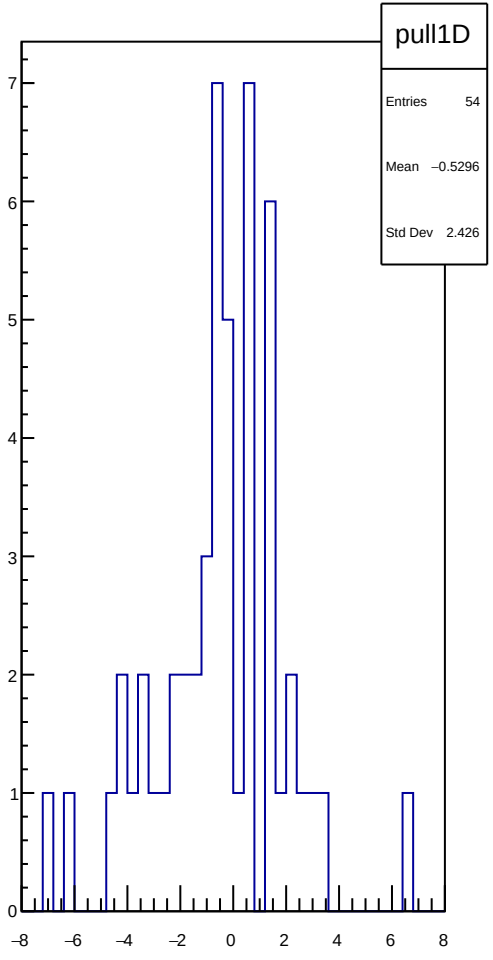

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 321.7 / 53
p0 4.961 ± 0.2967
pull
Entries 54
Mean 43.86
Std Dev 0

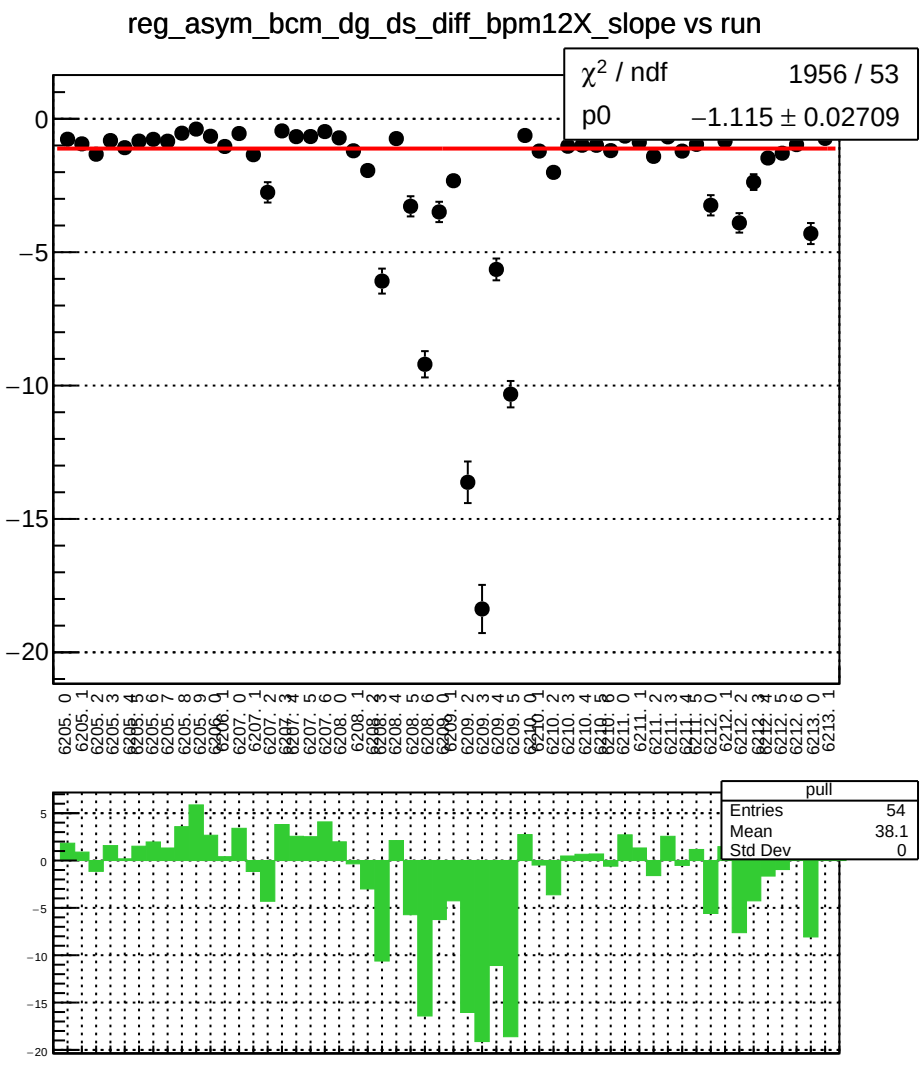

pull1D
Entries 54
Mean 0.662
Std Dev 2.349

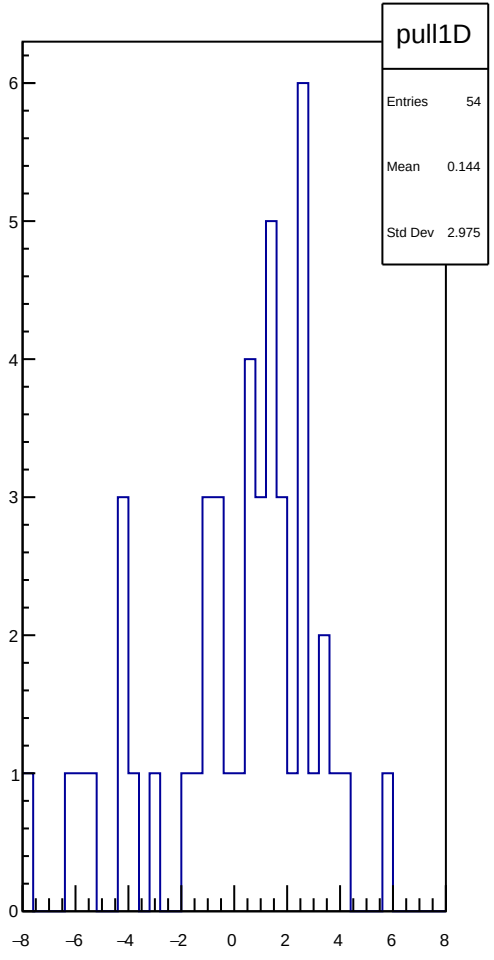

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 4526 / 53
p0 18.29 ± 0.3277
pull
Entries 54
Mean 34.87
Std Dev 0

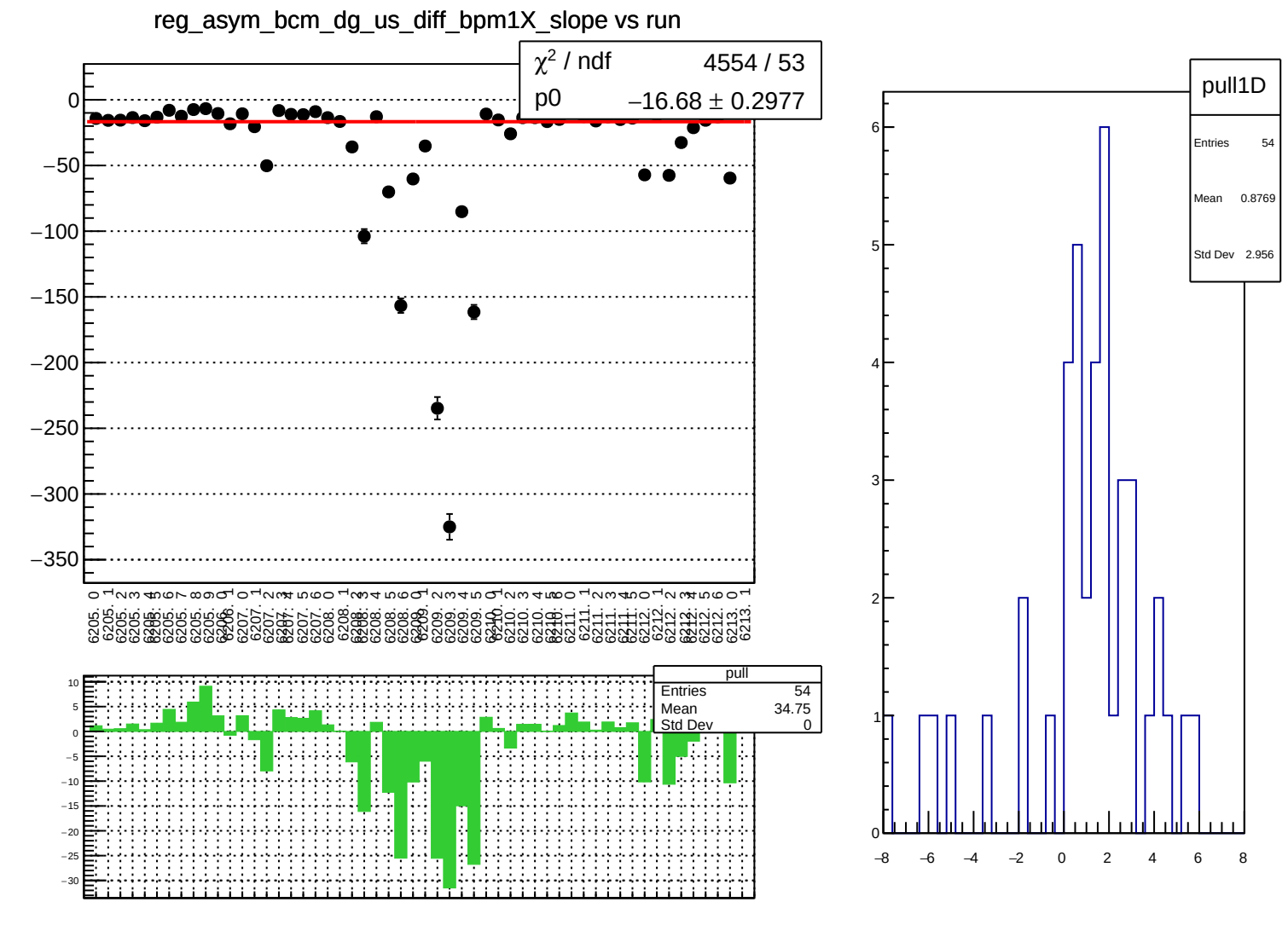

pull1D
Entries 54
Mean −1.064
Std Dev 2.712

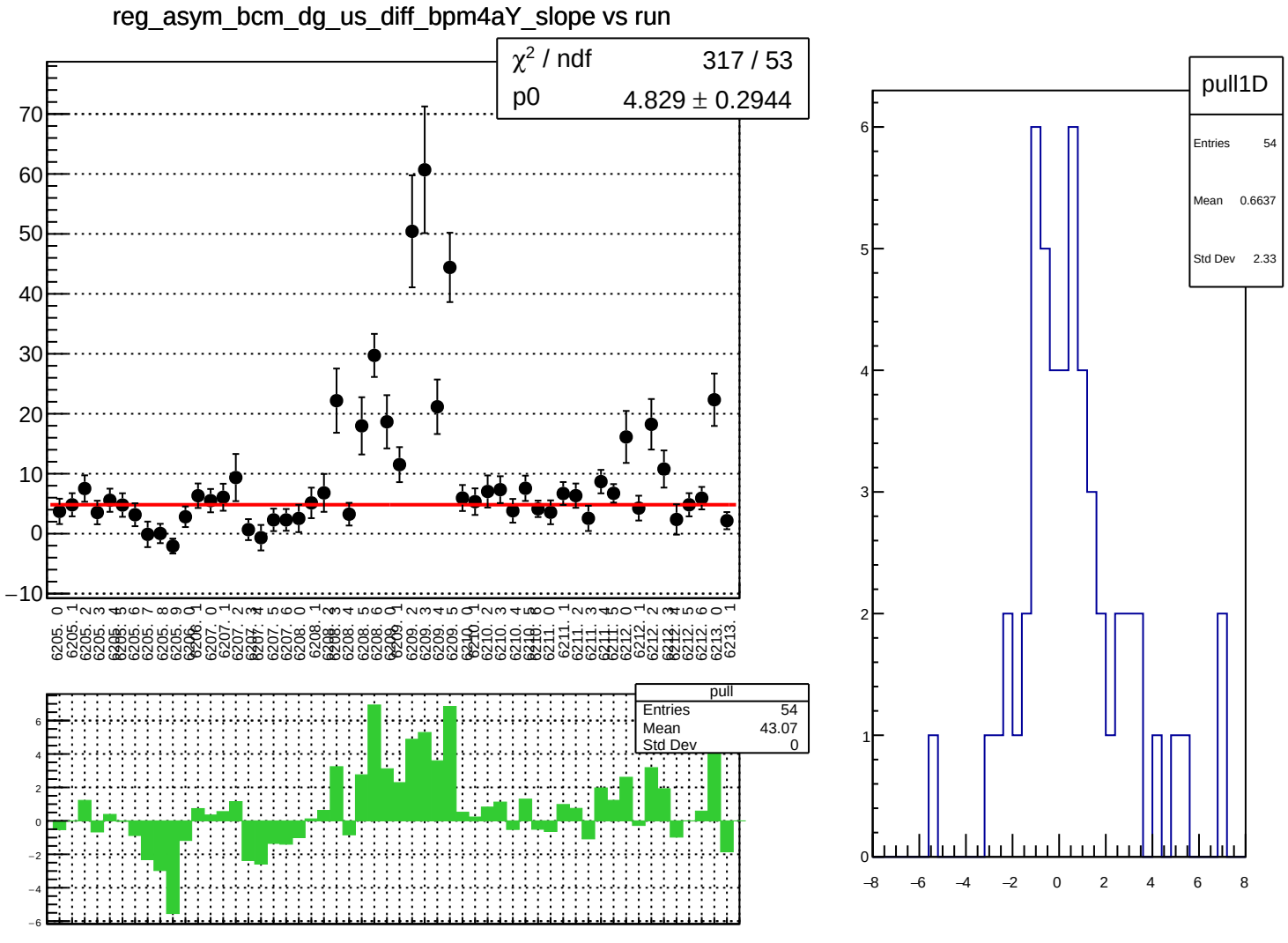

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 460.2 / 53
p0 −6.439 ± 0.33
pull
Entries 54
Mean 43.01
Std Dev 0

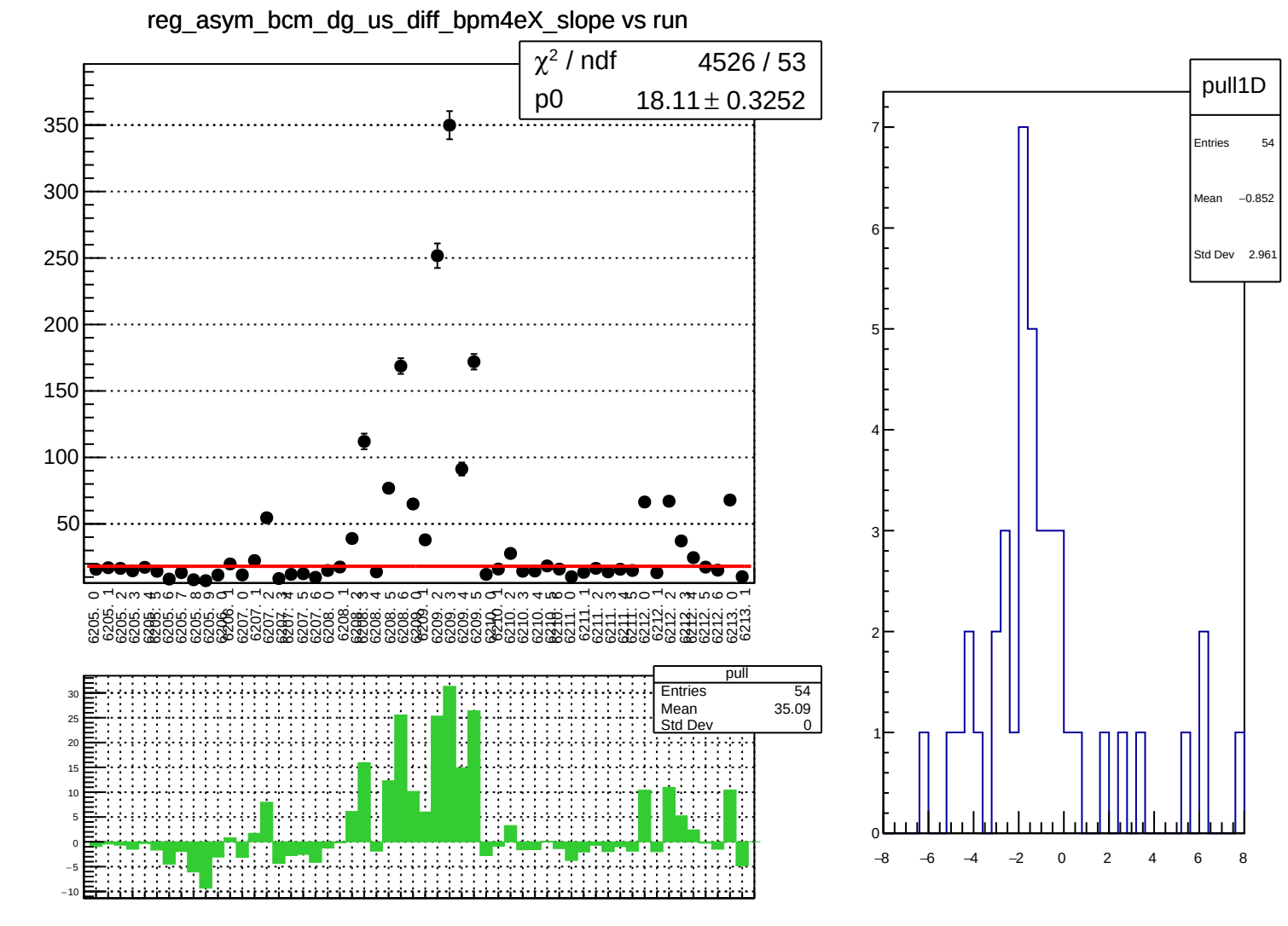

pull1D
Entries 54
Mean −0.5296
Std Dev 2.426

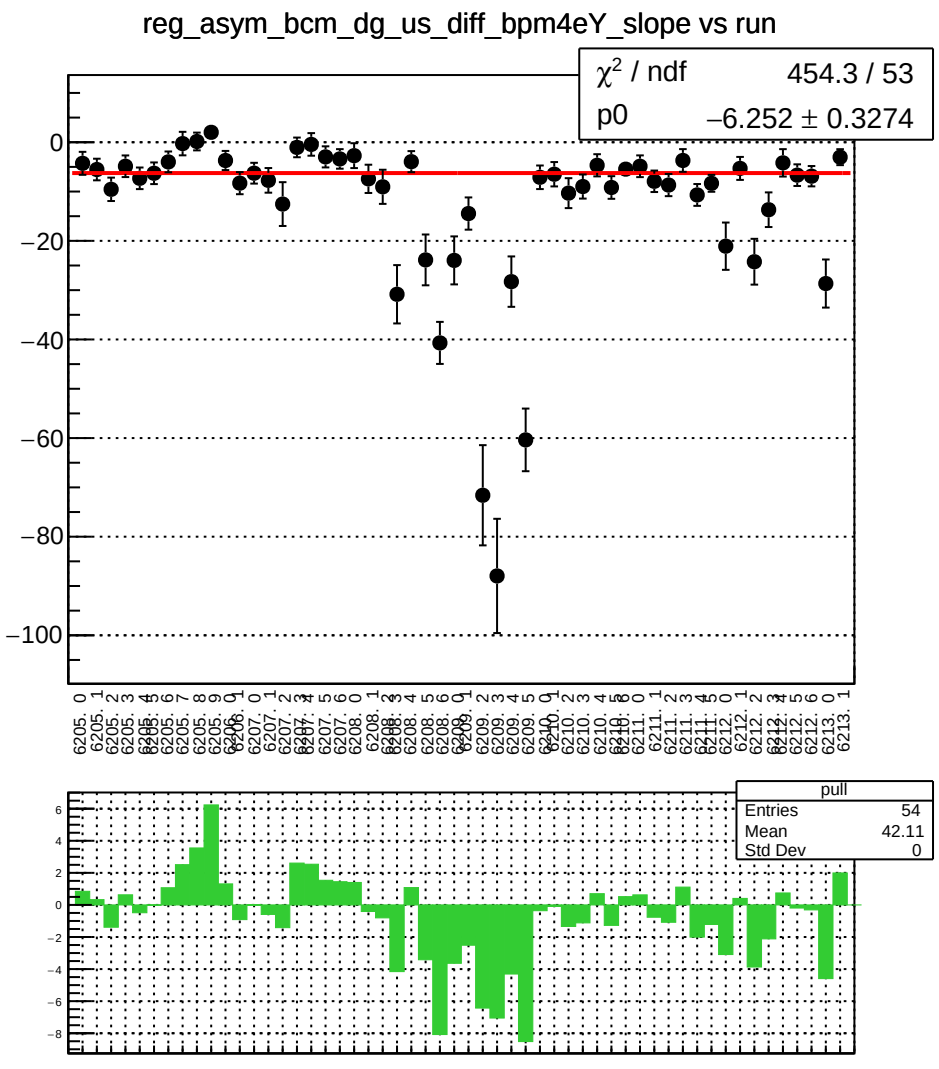

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ² / ndf 1956 / 53
p0 −1.115 ± 0.02709
pull
Entries 54
Mean 38.1
Std Dev 0

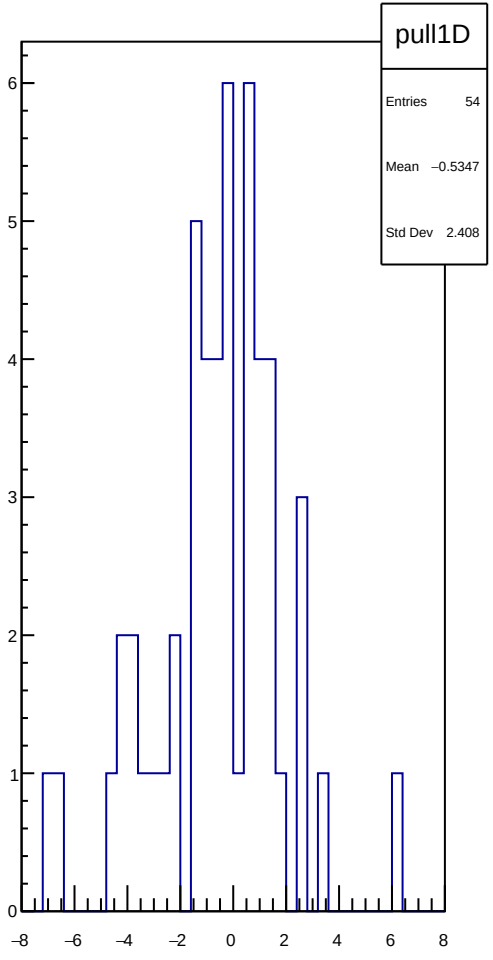

pull1D
Entries 54
Mean 0.144
Std Dev 2.975

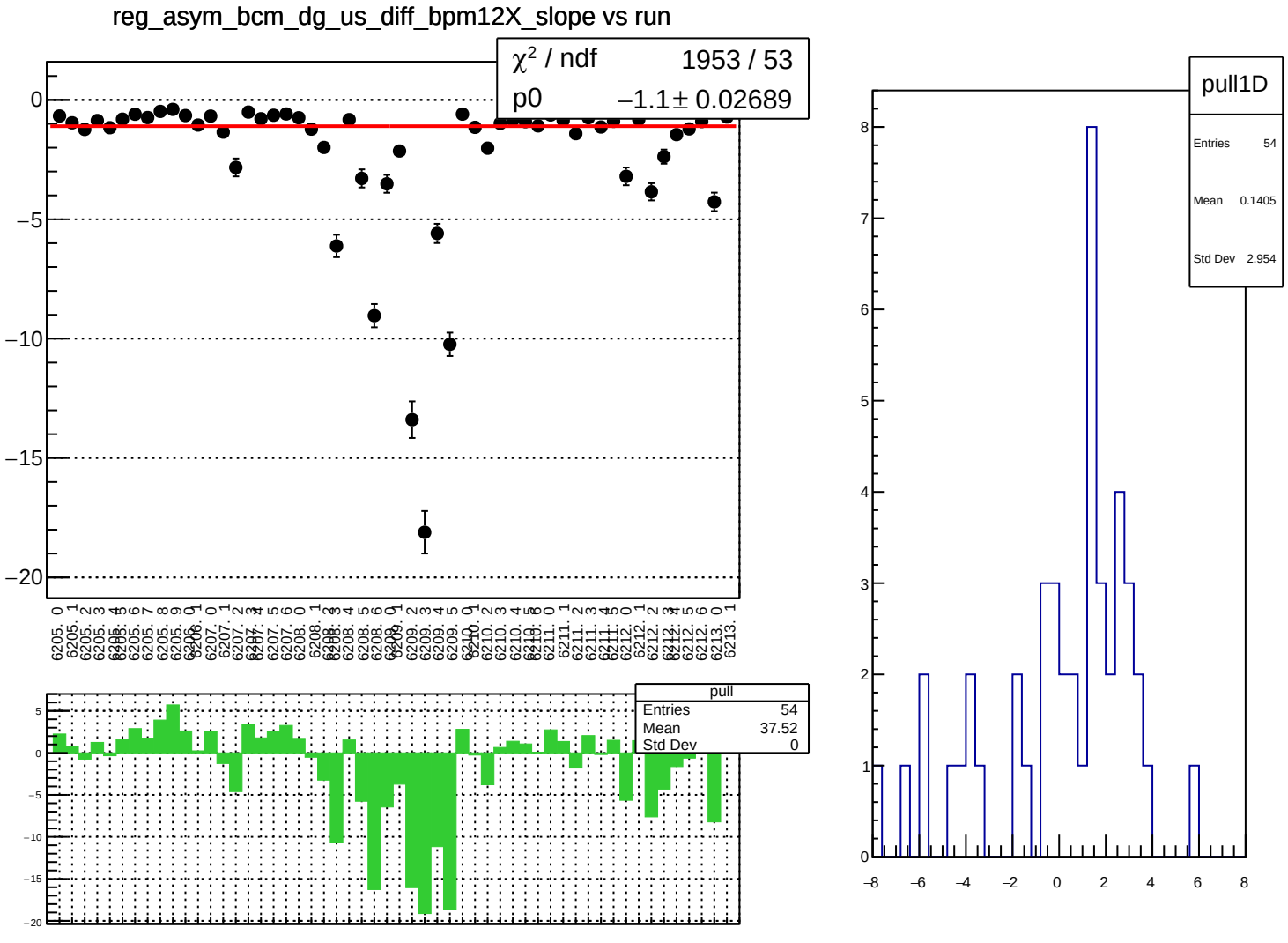

reg_asym_bcm_dg_us_diff_bpm1X_slope vs run
χ² / ndf 4554 / 53
p0 −16.68 ± 0.2977
pull
Entries 54
Mean 34.75
Std Dev 0
pull1D
Entries 54
Mean 0.8769
Std Dev 2.956

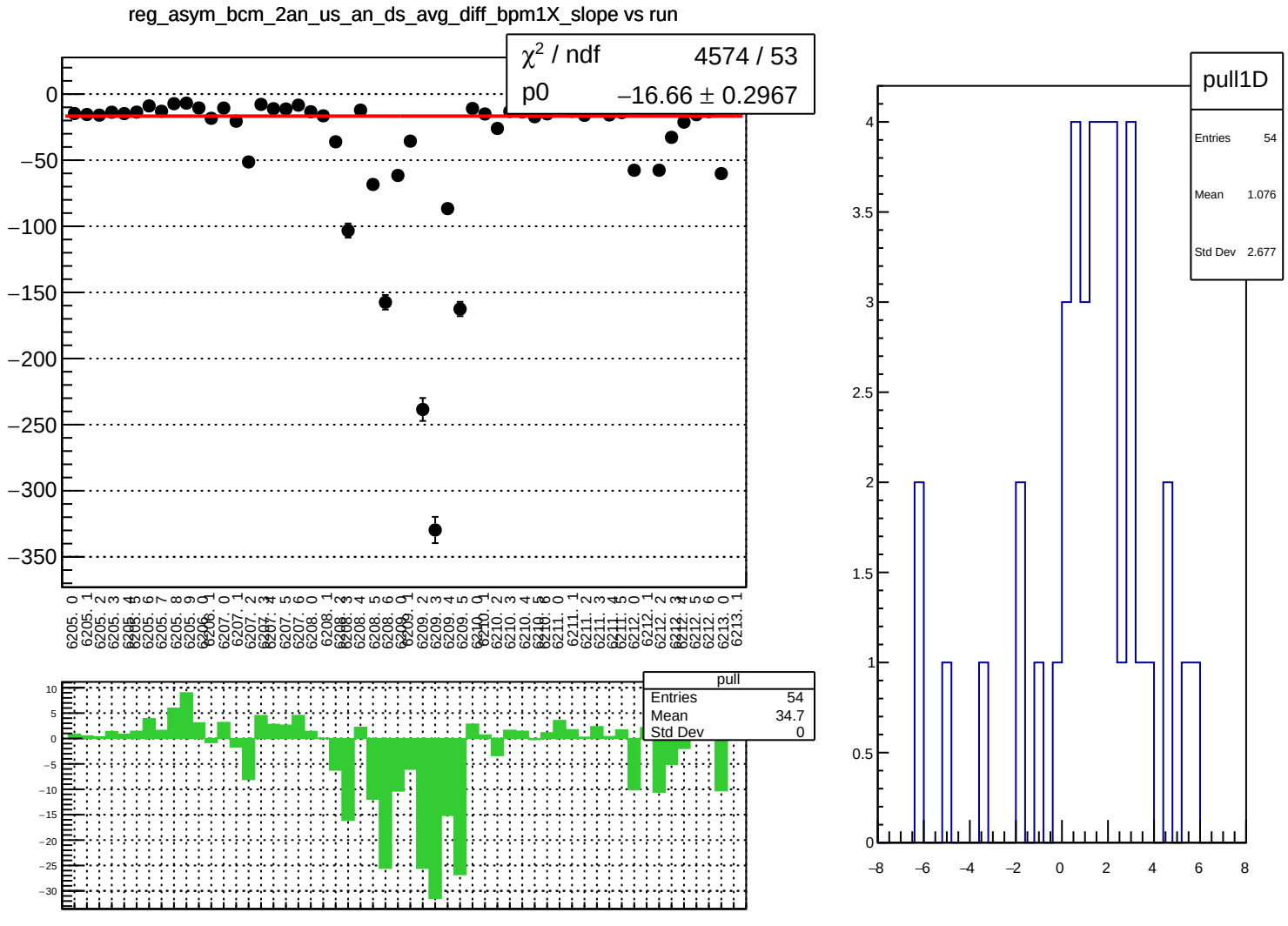

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 317 / 53
p0 4.829 ± 0.2944
pull
Entries 54
Mean 43.07
Std Dev 0
pull1D
Entries 54
Mean 0.6637
Std Dev 2.33

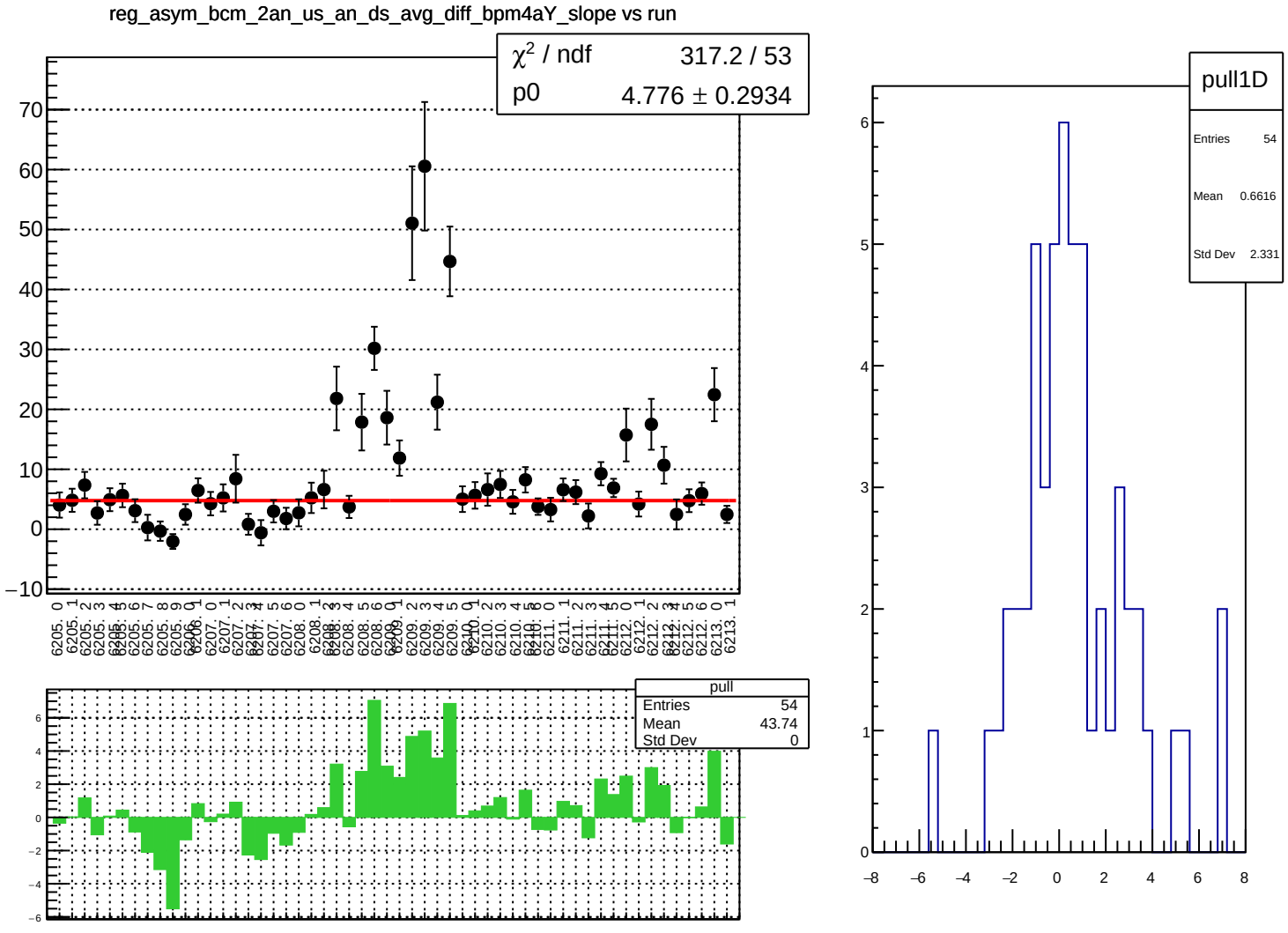

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ² / ndf 4526 / 53
p0 18.11 ± 0.3252
pull
Entries 54
Mean 35.09
Std Dev 0
pull1D
Entries 54
Mean −0.852
Std Dev 2.961

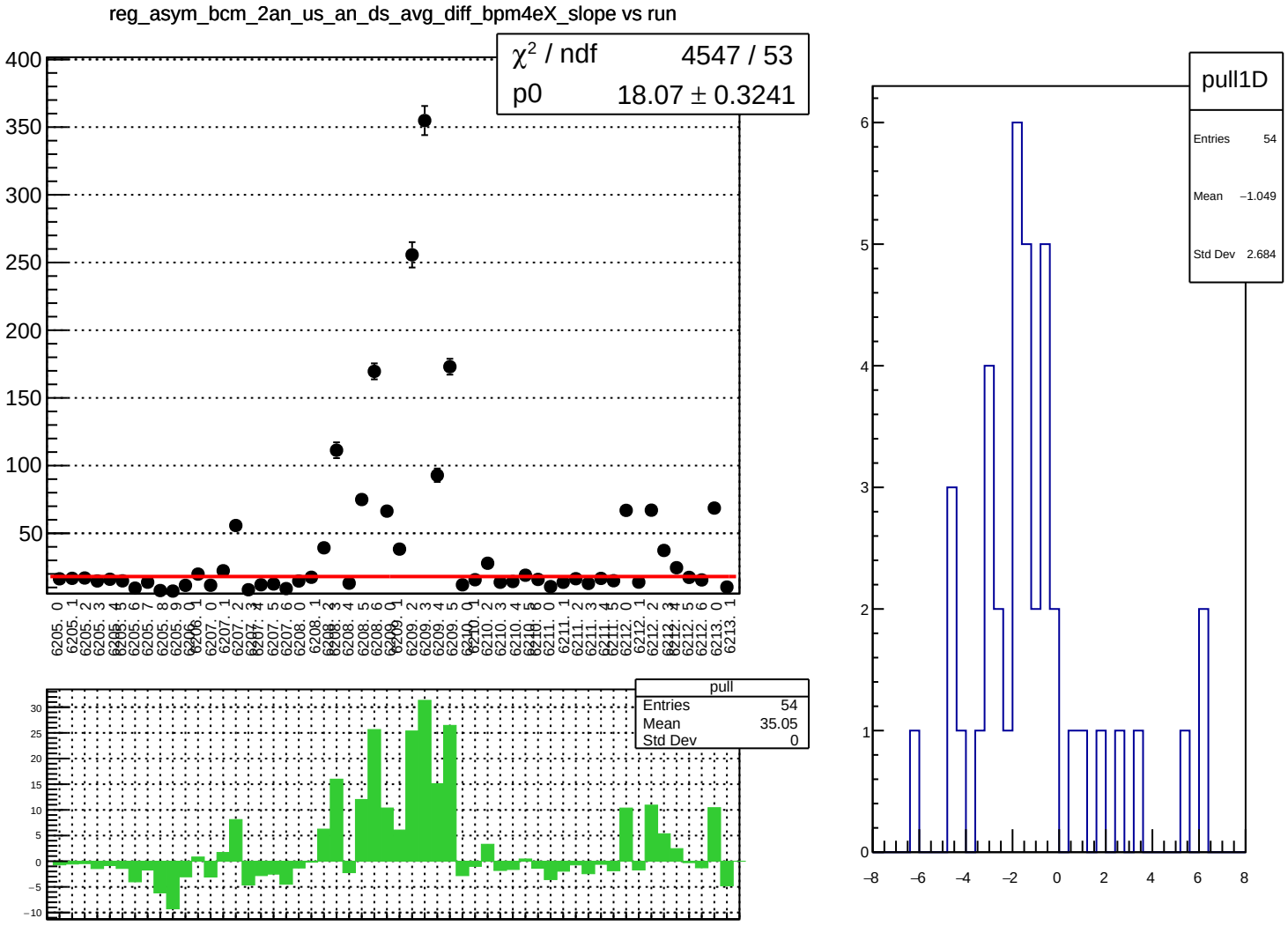

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ² / ndf 454.3 / 53
p0 −6.252 ± 0.3274
pull
Entries 54
Mean 42.11
Std Dev 0

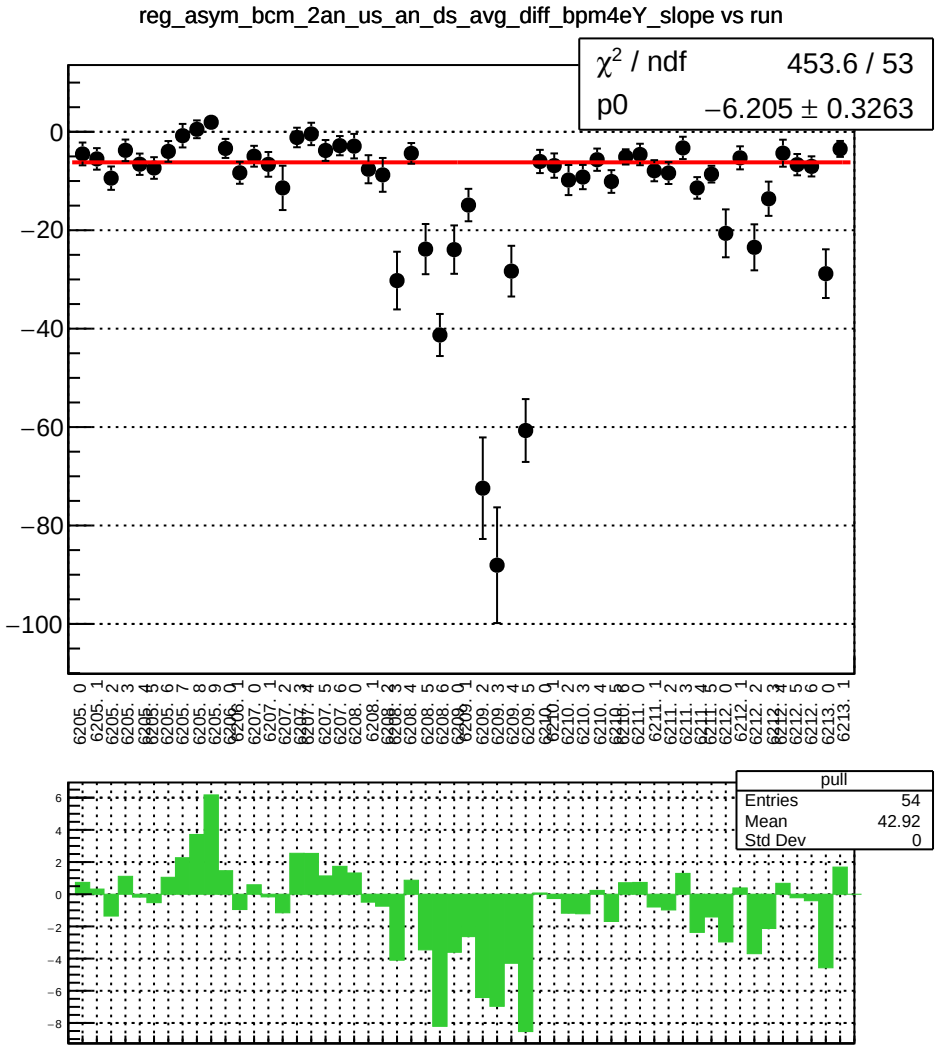

pull1D
Entries 54
Mean −0.5347
Std Dev 2.408

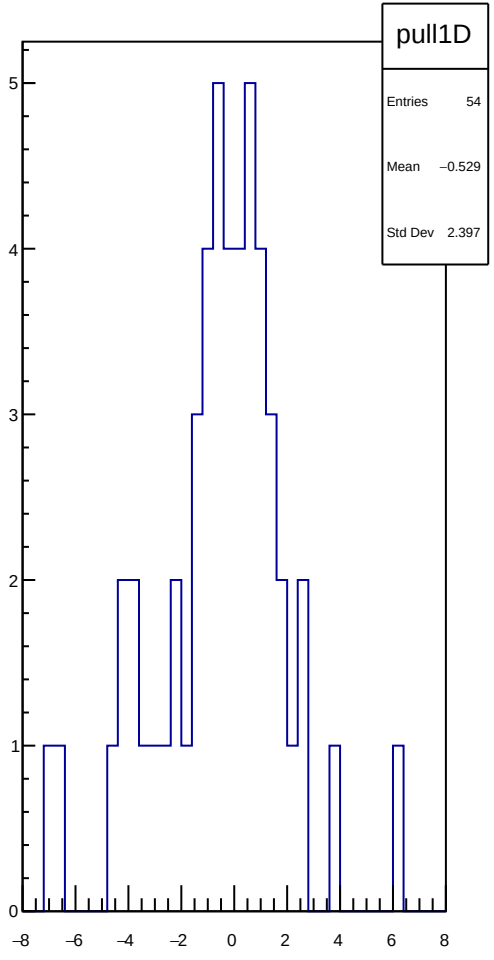

reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
χ² / ndf 1953 / 53
p0 −1.1± 0.02689
pull
Entries 54
Mean 37.52
Std Dev 0
pull1D
Entries 54
Mean 0.1405
Std Dev 2.954

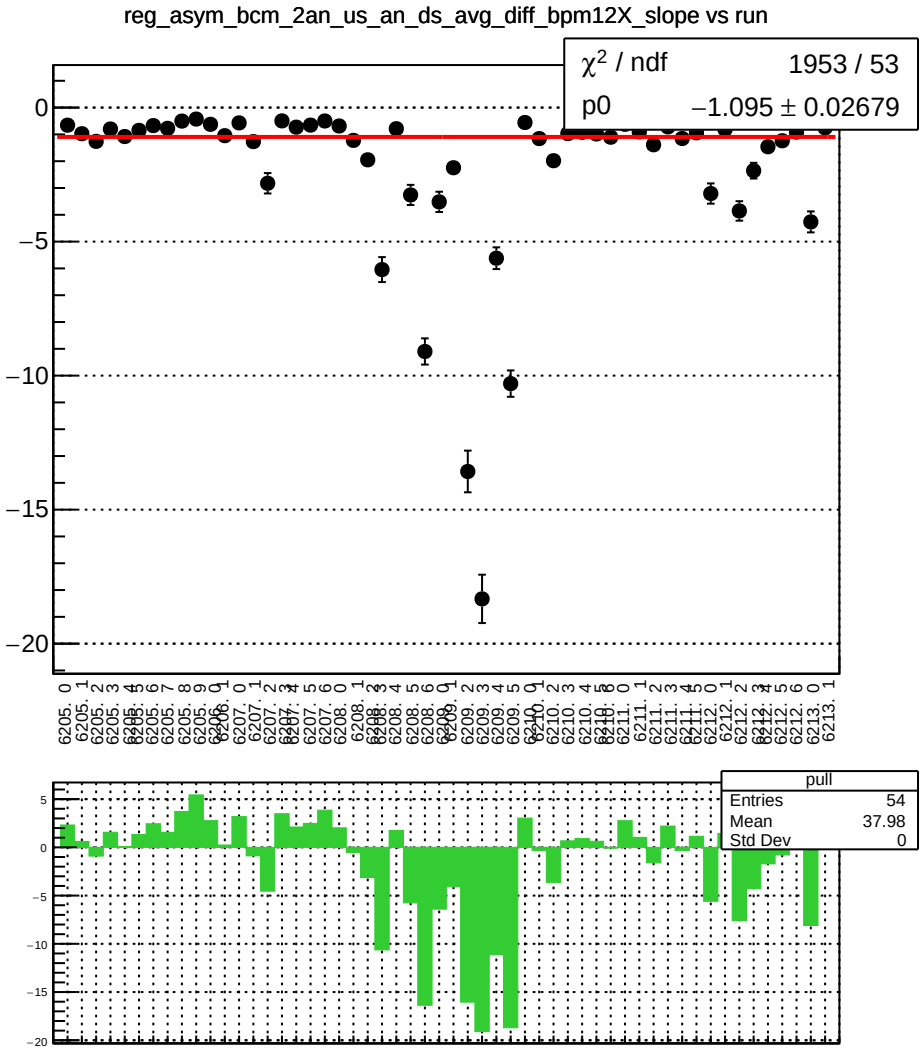

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm1X_slope vs run
χ² / ndf 4574 / 53
p0 −16.66 ± 0.2967
pull
Entries 54
Mean 34.7
Std Dev 0
pull1D
Entries 54
Mean 1.076
Std Dev 2.677

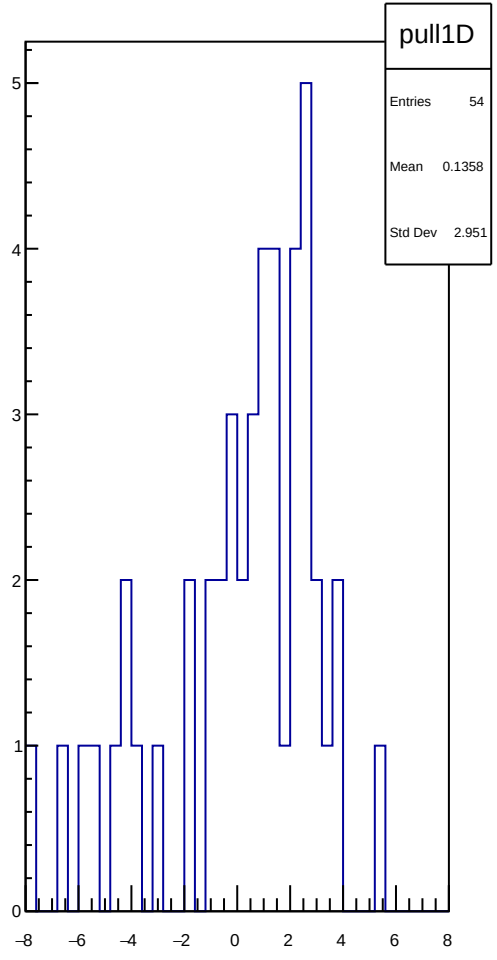

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 317.2 / 53
p0 4.776 ± 0.2934
pull
Entries 54
Mean 43.74
Std Dev 0
pull1D
Entries 54
Mean 0.6616
Std Dev 2.331

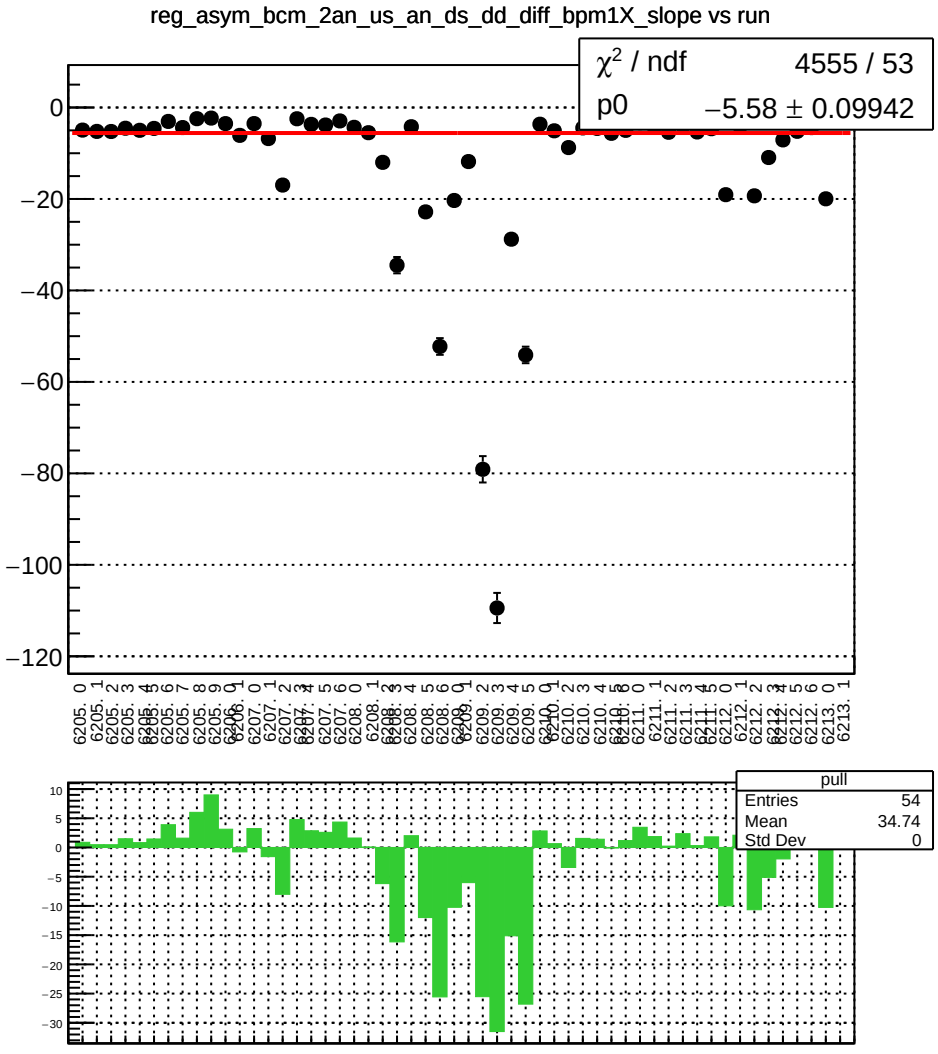

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 4547 / 53
p0 18.07 ± 0.3241
pull
Entries 54
Mean 35.05
Std Dev 0
pull1D
Entries 54
Mean −1.049
Std Dev 2.684

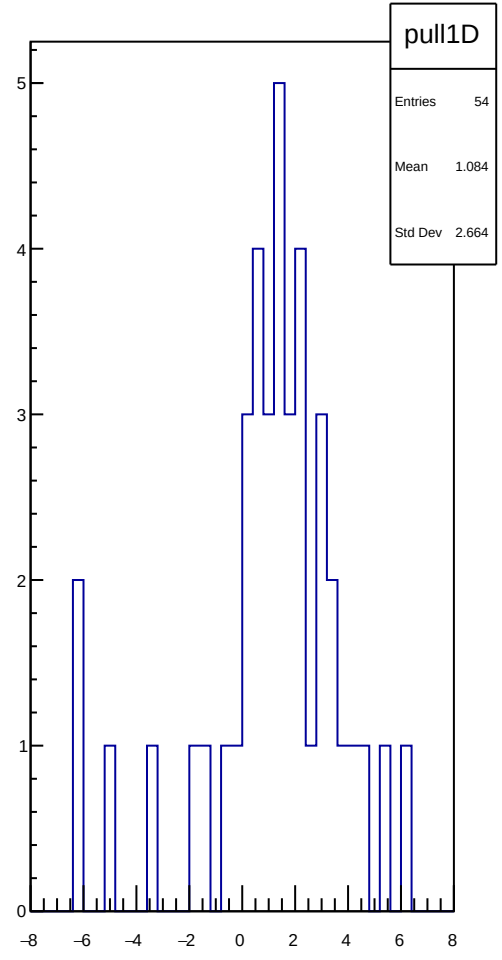

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 453.6 / 53
p0 −6.205 ± 0.3263
pull
Entries 54
Mean 42.92
Std Dev 0

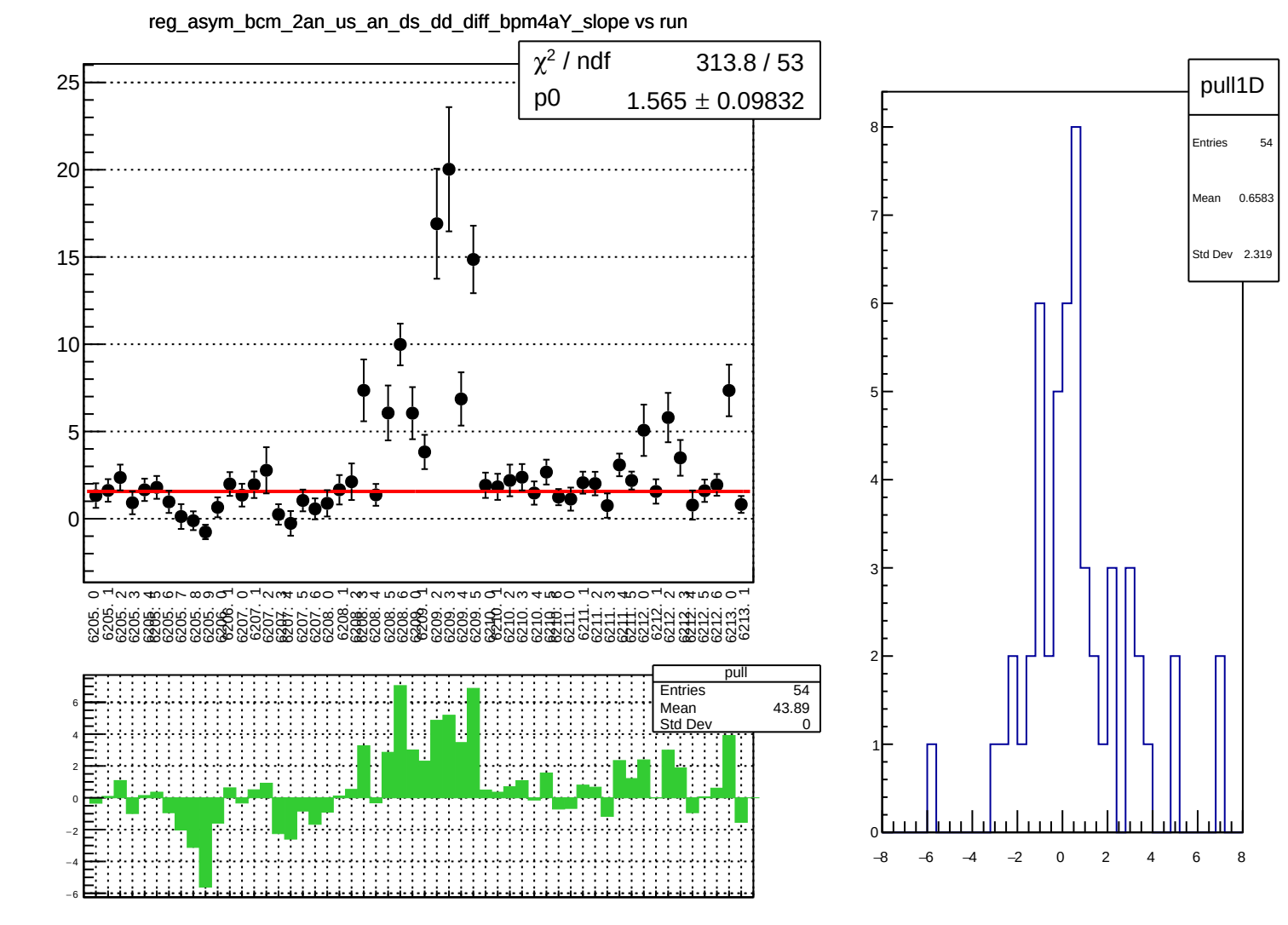

pull1D
Entries 54
Mean −0.529
Std Dev 2.397

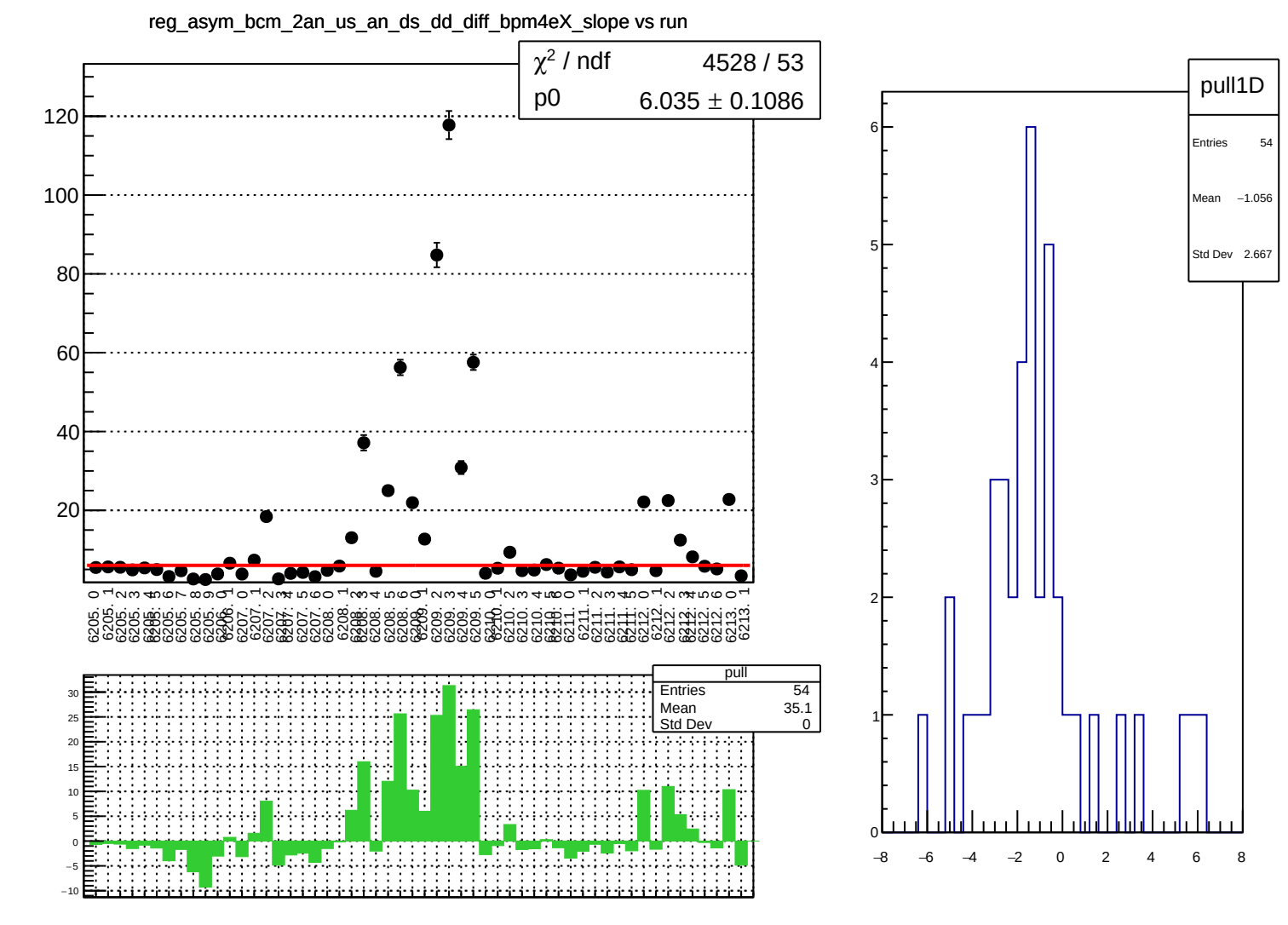

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 1953 / 53
p0 −1.095 ± 0.02679
pull
Entries 54
Mean 37.98
Std Dev 0

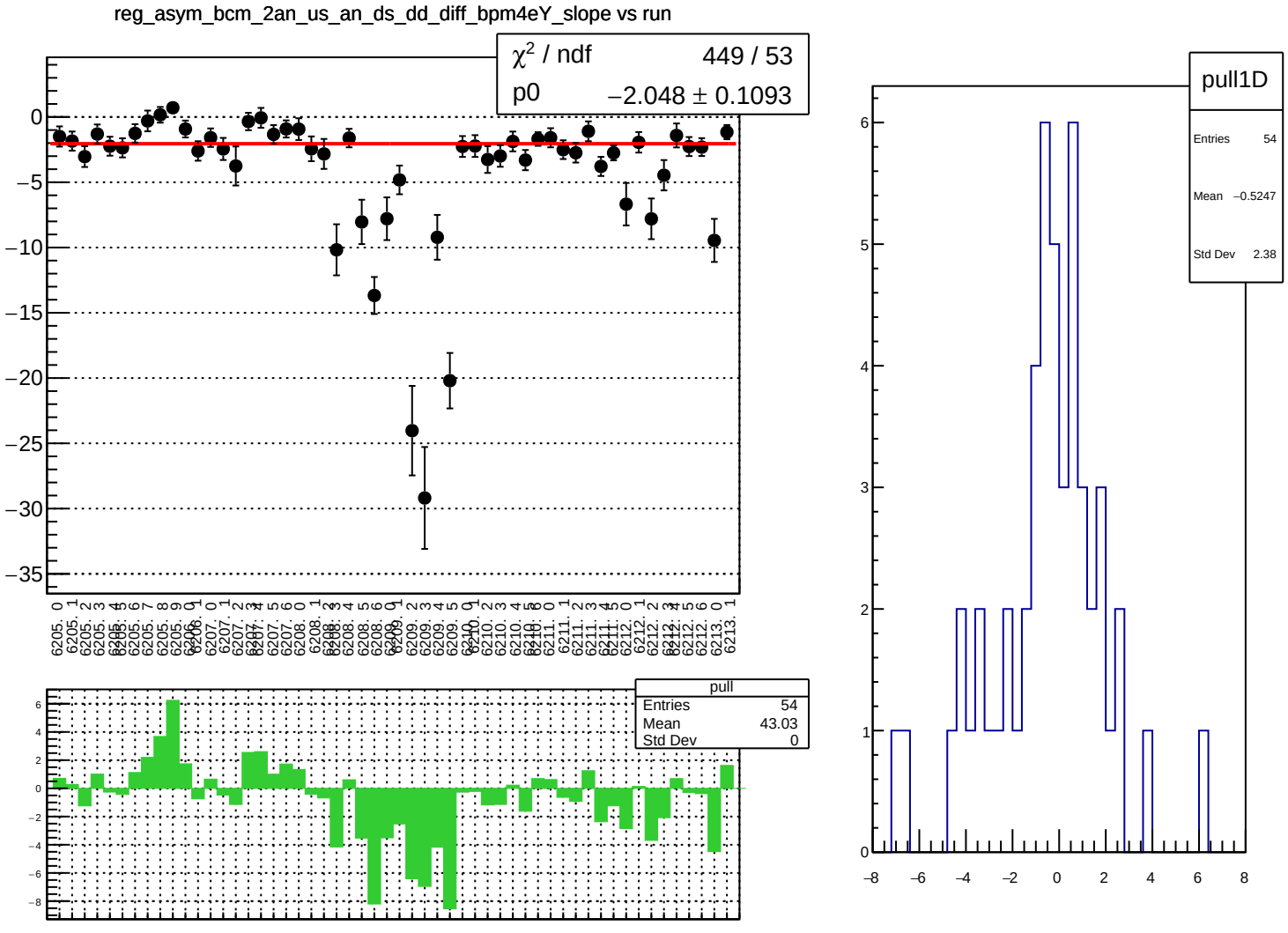

pull1D
Entries 54
Mean 0.1358
Std Dev 2.951

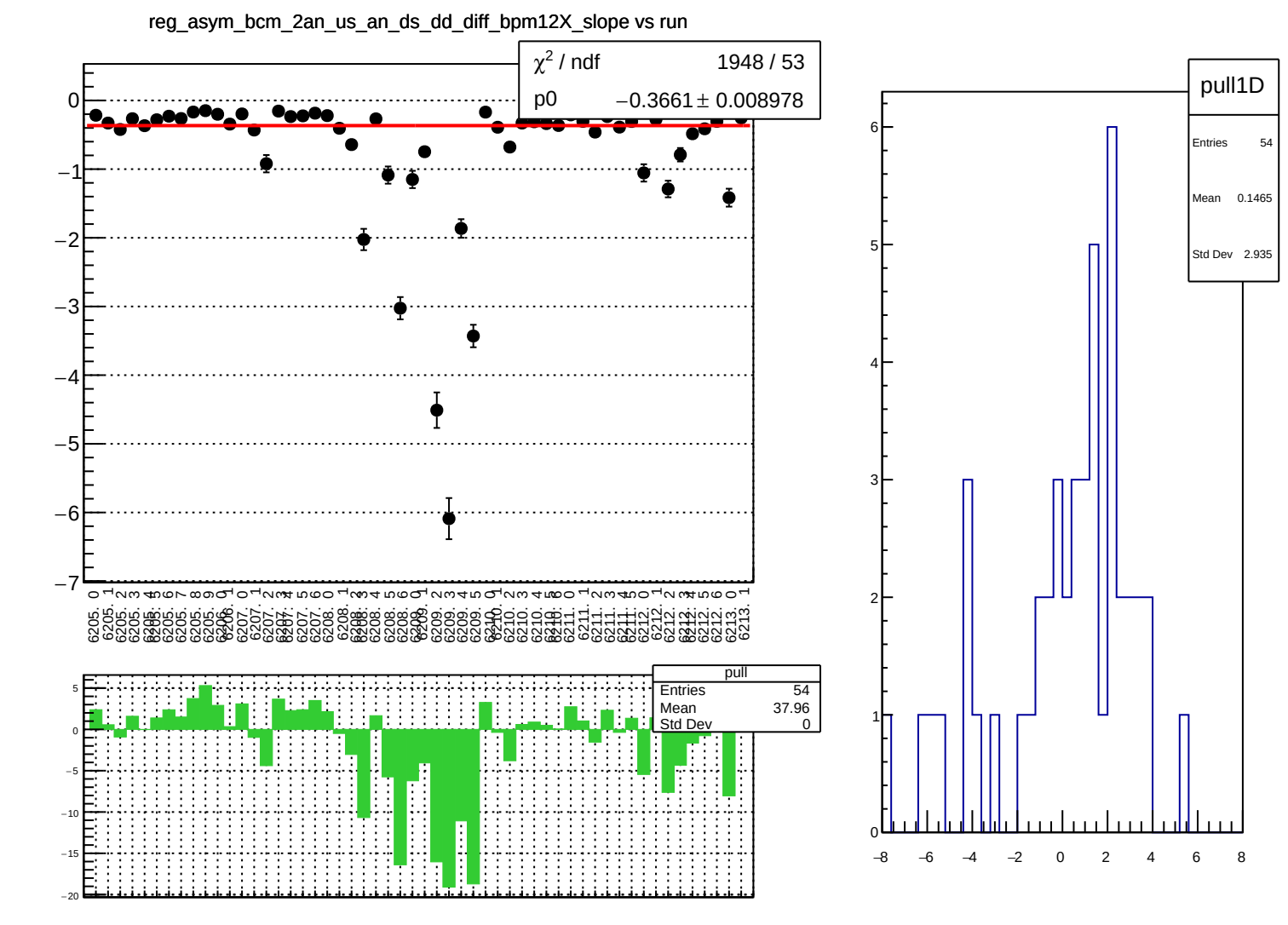

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 4555 / 53
p0 −5.58 ± 0.09942
pull
Entries 54
Mean 34.74
Std Dev 0

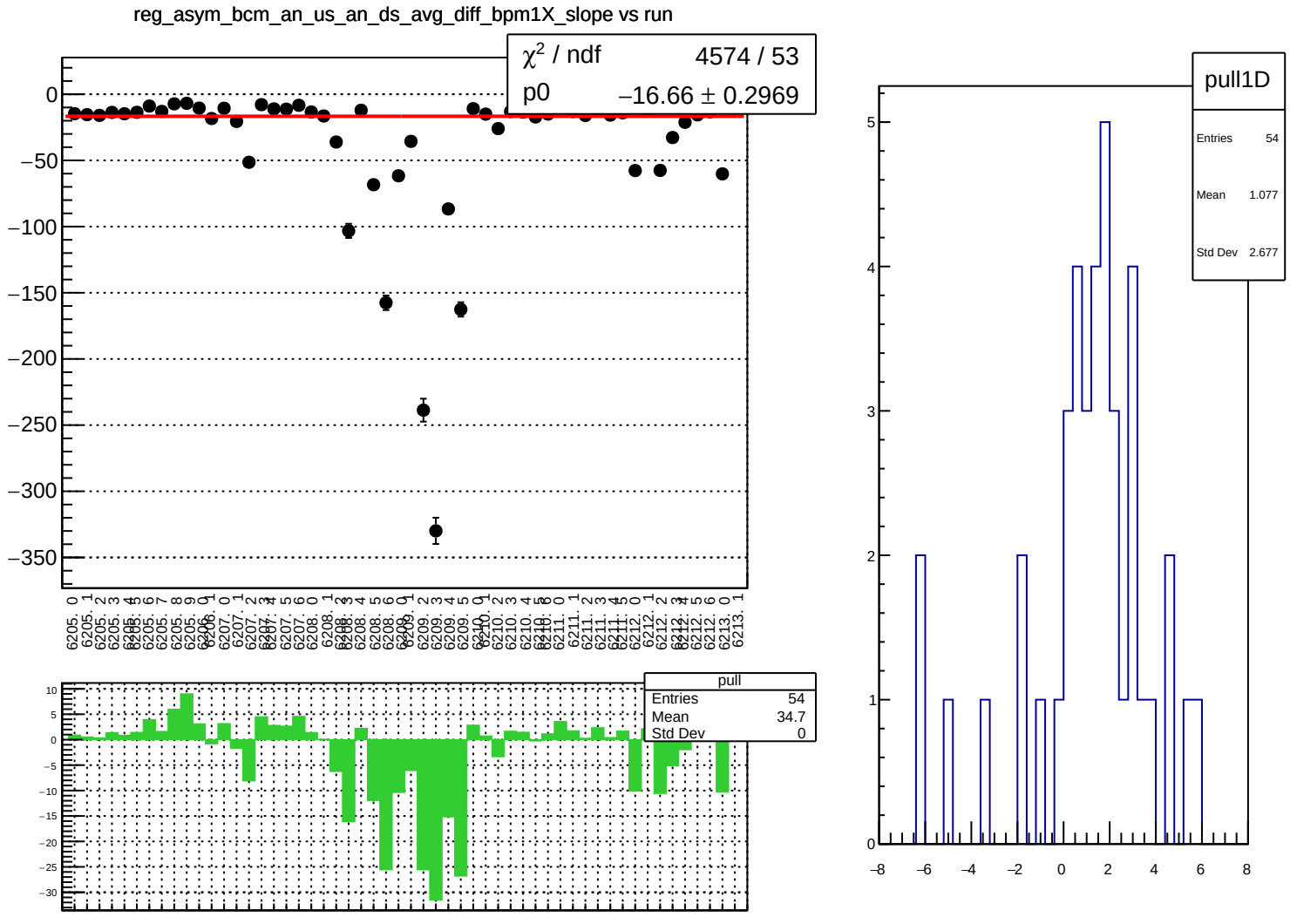

pull1D
Entries 54
Mean 1.084
Std Dev 2.664

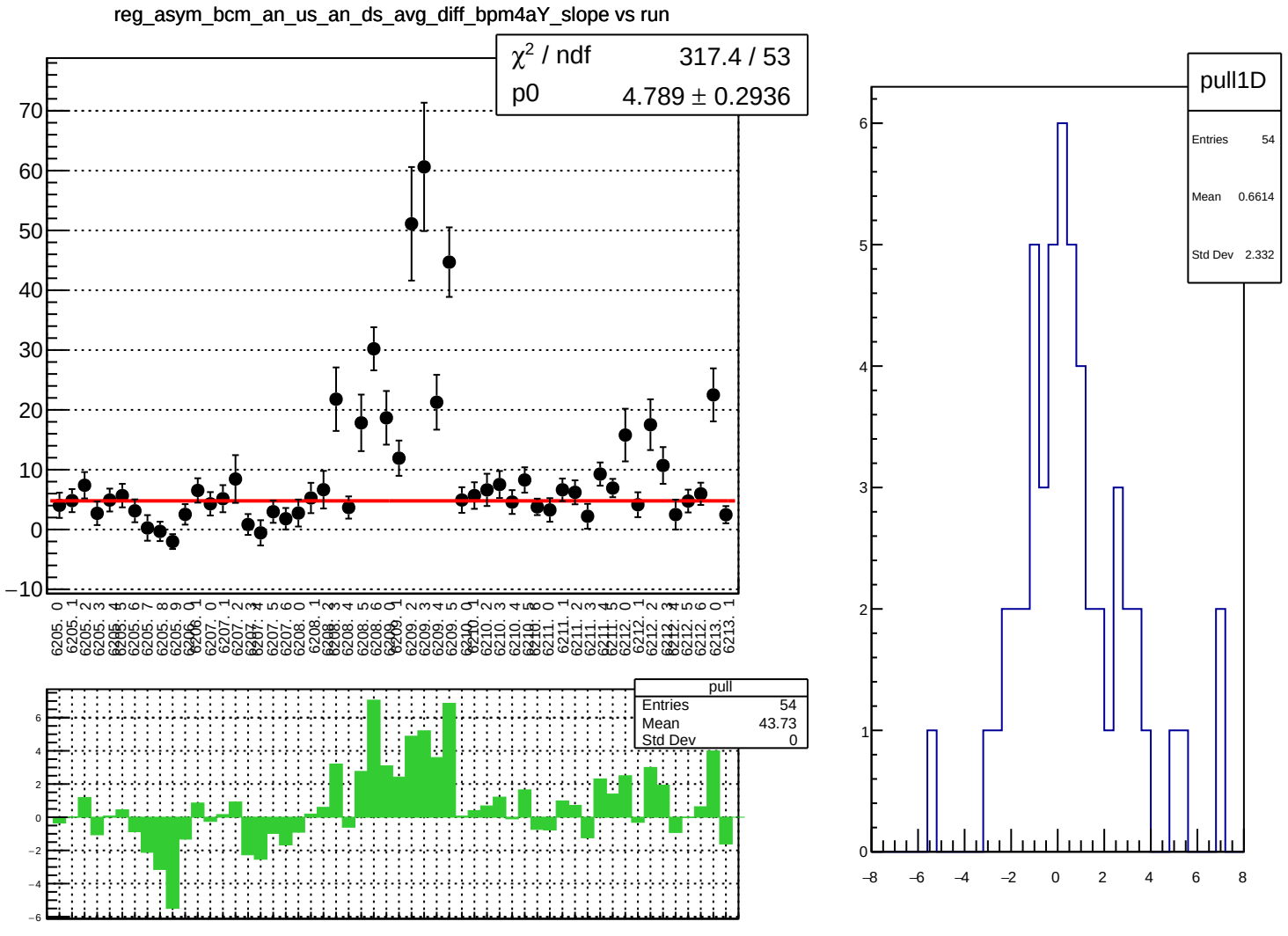

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 313.8 / 53
p0 1.565 ± 0.09832
pull
Entries 54
Mean 43.89
Std Dev 0
pull1D
Entries 54
Mean 0.6583
Std Dev 2.319

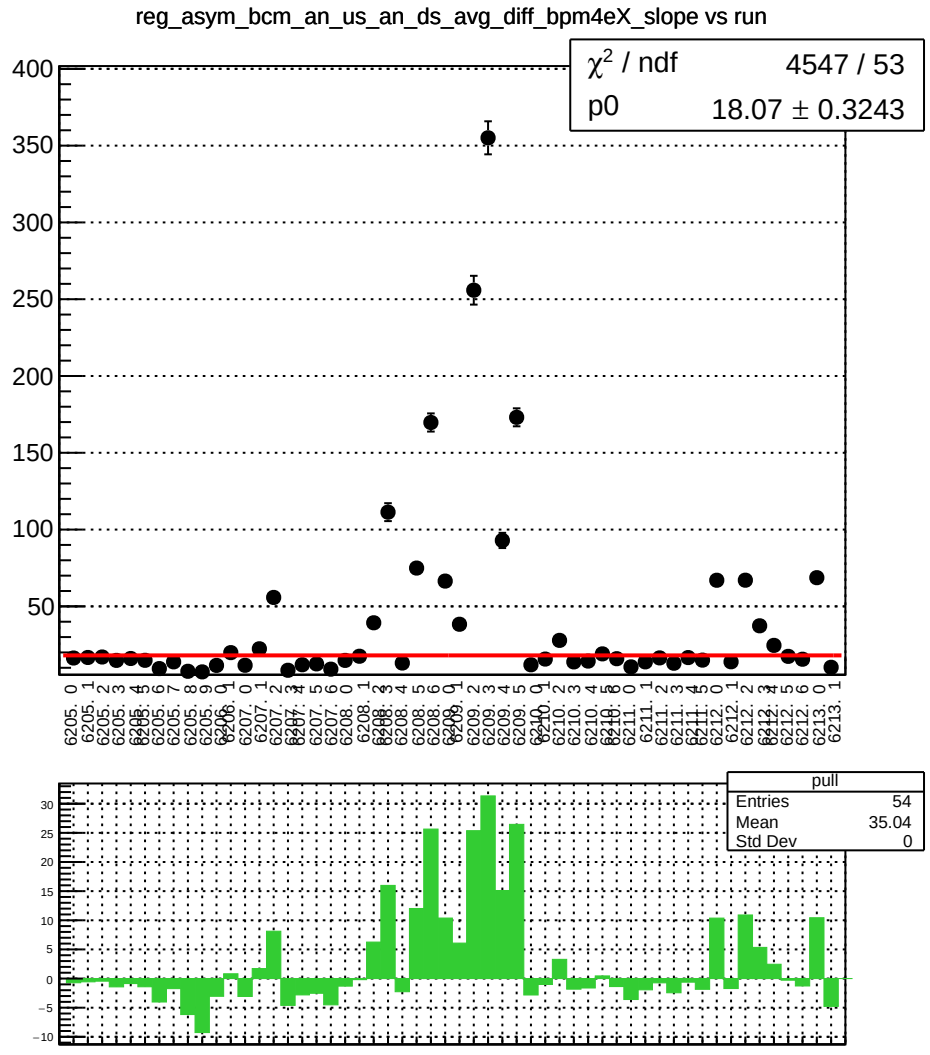

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 4528 / 53
p0 6.035 ± 0.1086
pull
Entries 54
Mean 35.1
Std Dev 0
pull1D
Entries 54
Mean −1.056
Std Dev 2.667

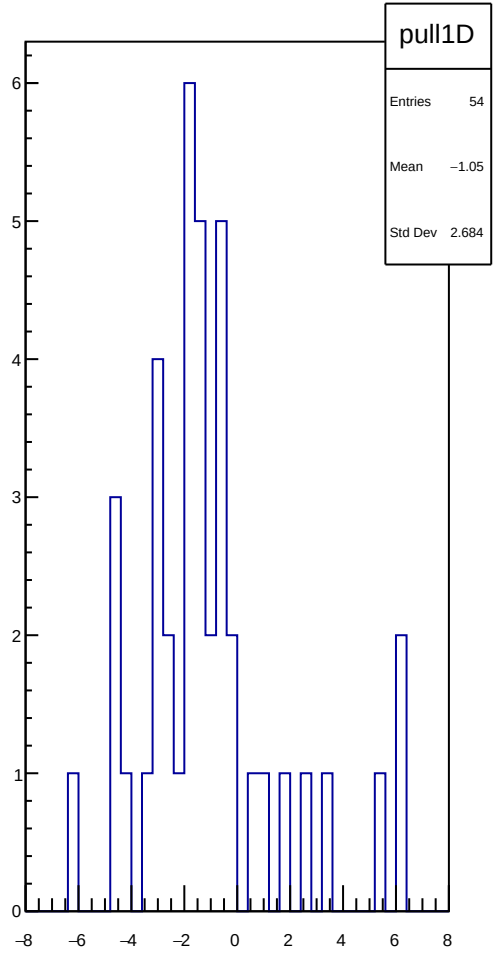

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 449 / 53
p0 −2.048 ± 0.1093
pull
Entries 54
Mean 43.03
Std Dev 0
pull1D
Entries 54
Mean −0.5247
Std Dev 2.38

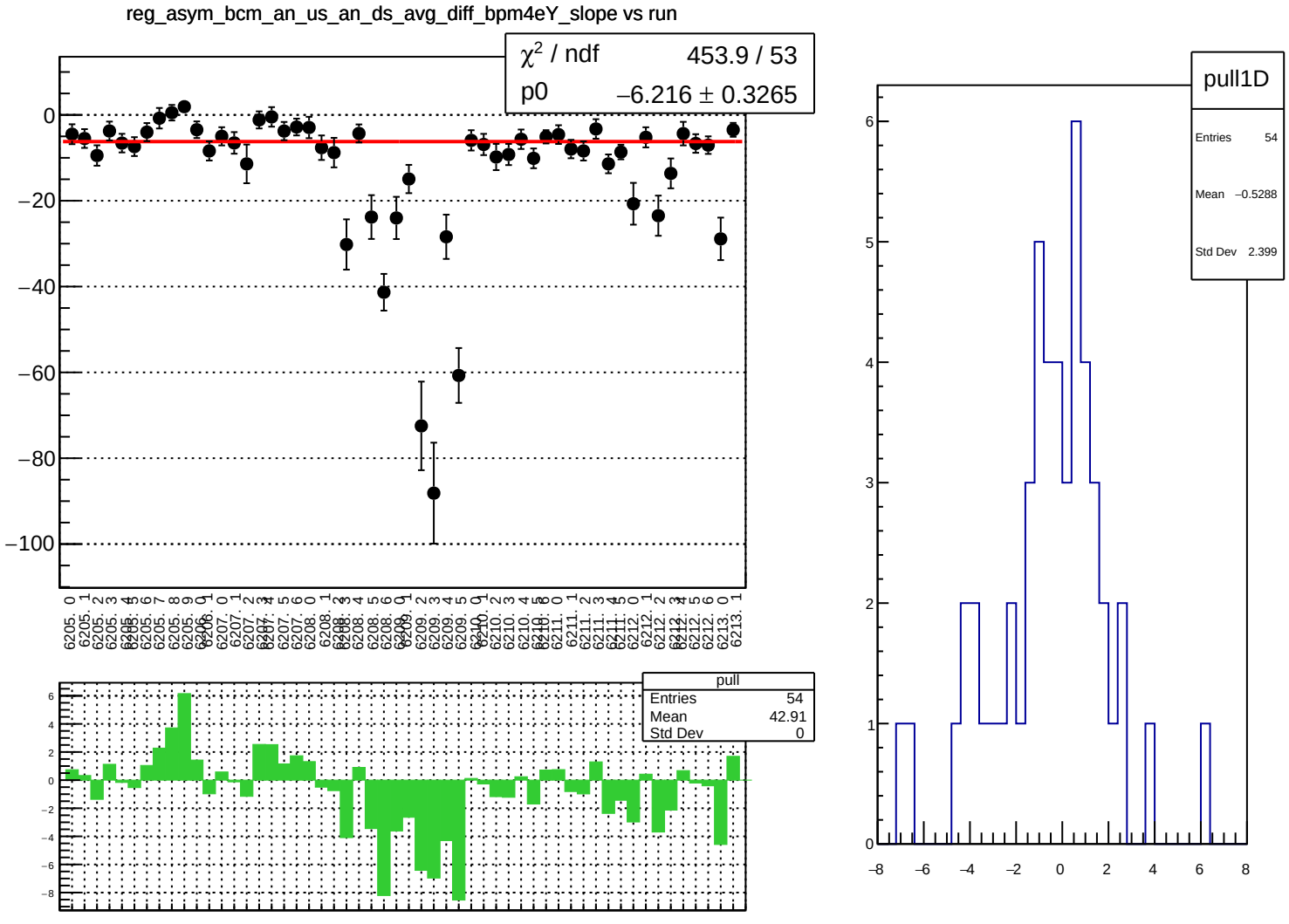

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 1948 / 53
p0 −0.3661 ± 0.008978
pull
Entries 54
Mean 37.96
Std Dev 0
pull1D
Entries 54
Mean 0.1465
Std Dev 2.935

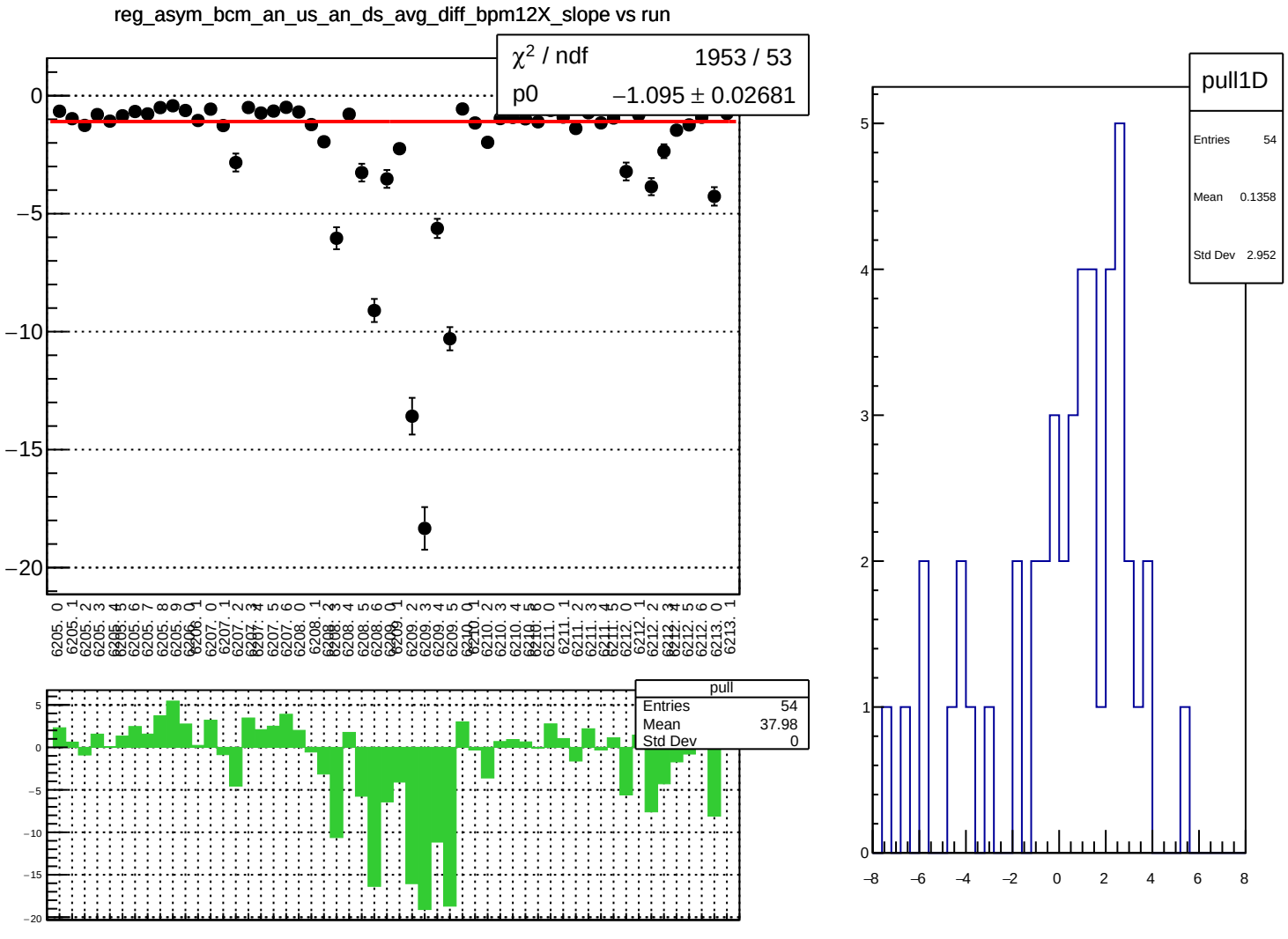

reg_asym_bcm_an_us_an_ds_avg_diff_bpm1X_slope vs run
χ² / ndf 4574 / 53
p0 −16.66 ± 0.2969
pull
Entries 54
Mean 34.7
Std Dev 0
pull1D
Entries 54
Mean 1.077
Std Dev 2.677

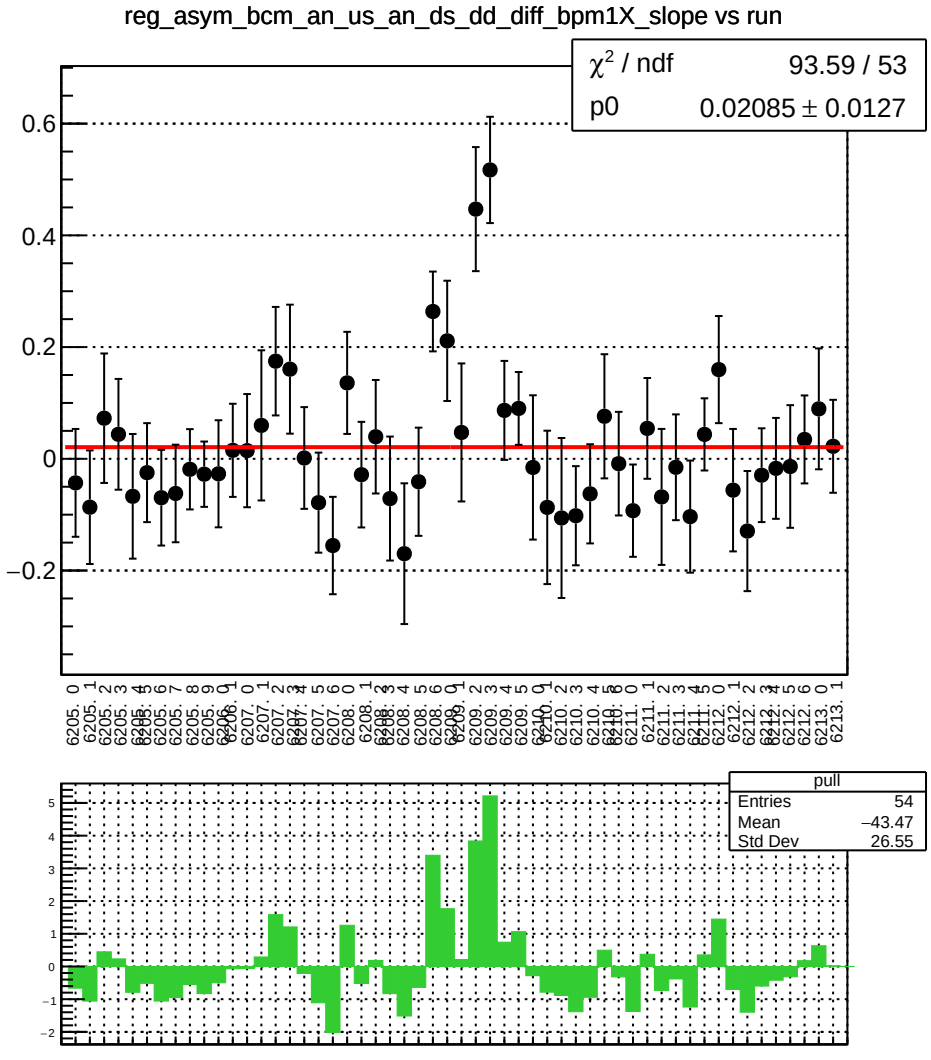

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 317.4 / 53
p0 4.789 ± 0.2936
pull
Entries 54
Mean 43.73
Std Dev 0
pull1D
Entries 54
Mean 0.6614
Std Dev 2.332

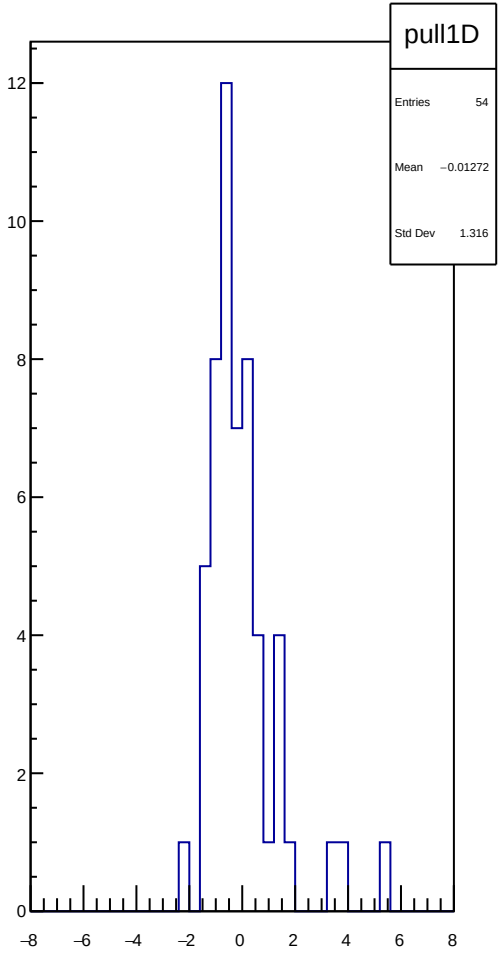

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 4547 / 53
p0 18.07 ± 0.3243
pull
Entries 54
Mean 35.04
Std Dev 0

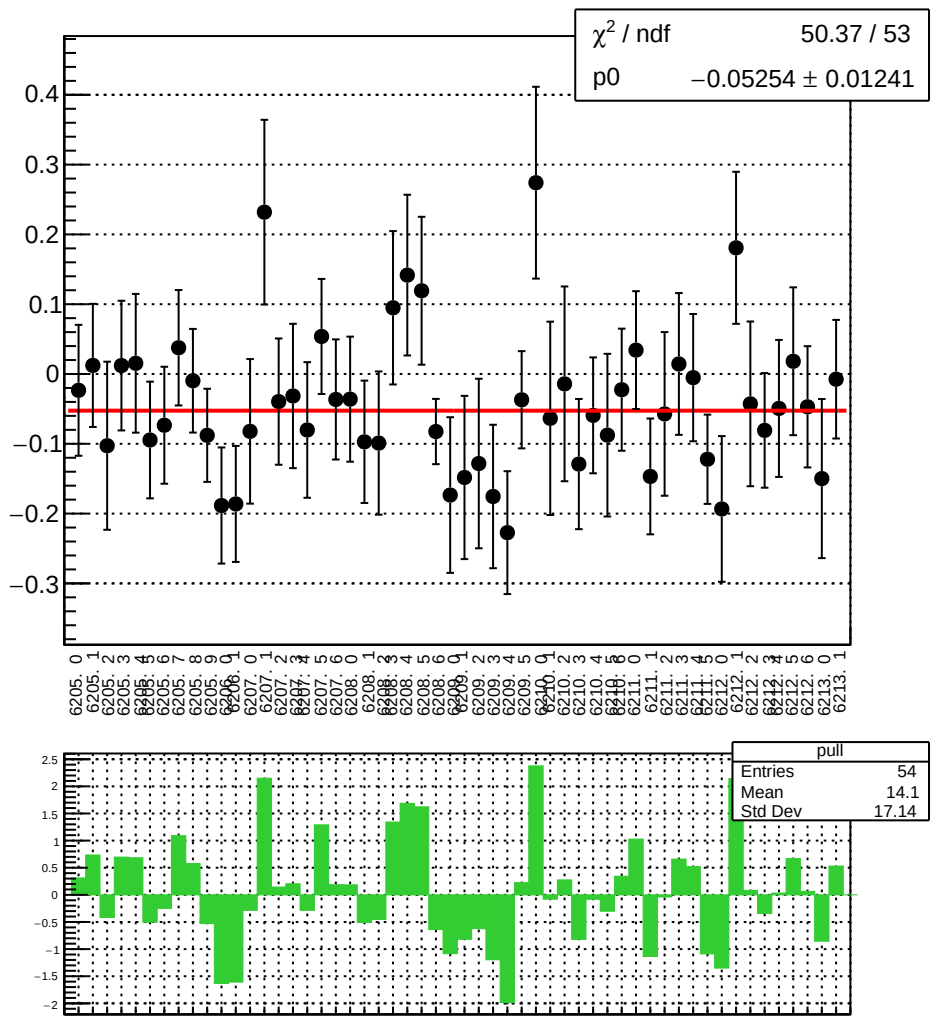

pull1D
Entries 54
Mean −1.05
Std Dev 2.684

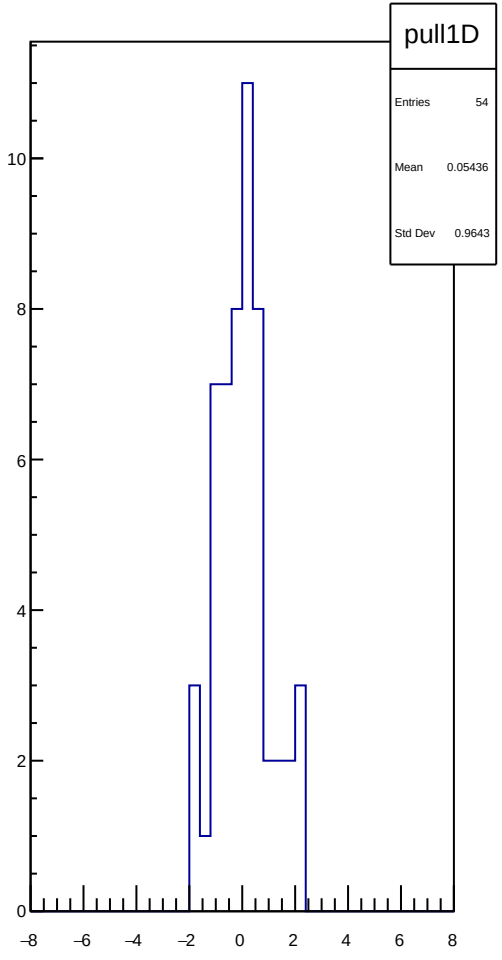

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 453.9 / 53
p0 −6.216 ± 0.3265
pull
Entries 54
Mean 42.91
Std Dev 0
pull1D
Entries 54
Mean −0.5288
Std Dev 2.399

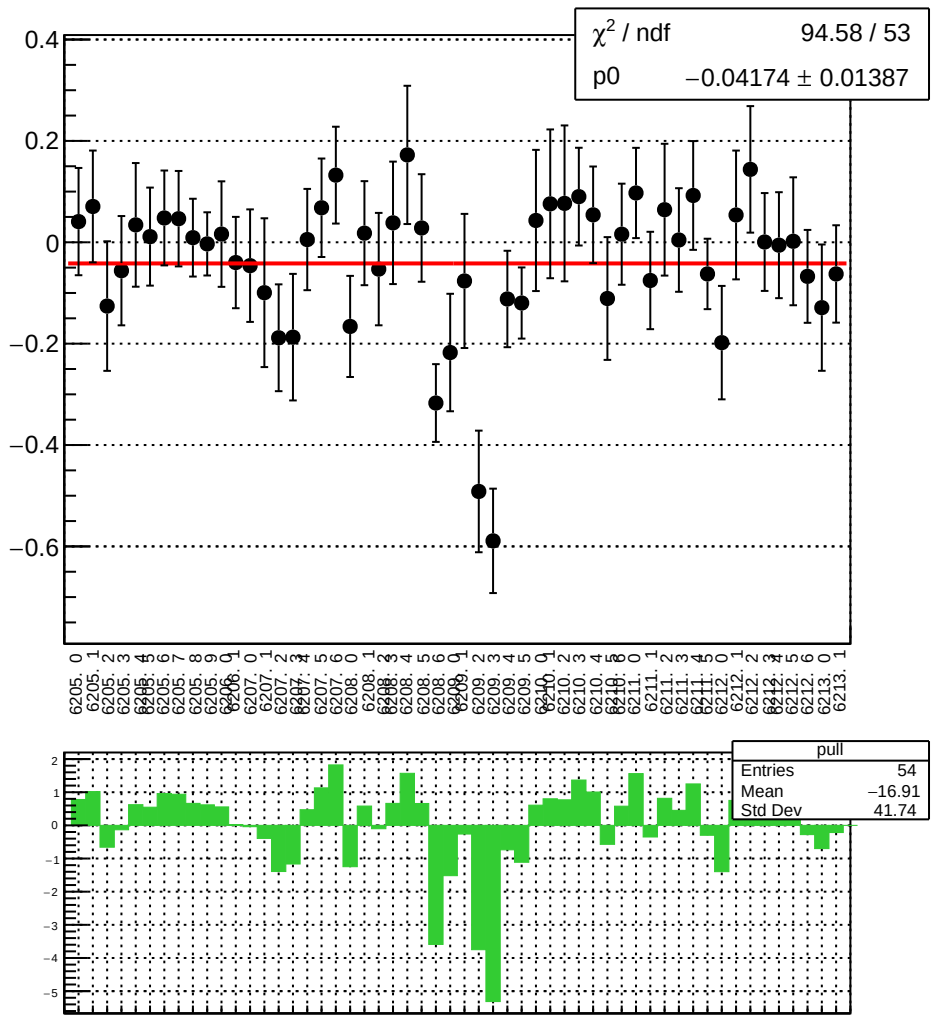

reg_asym_bcm_an_us_an_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 1953 / 53
p0 −1.095 ± 0.02681
pull
Entries 54
Mean 37.98
Std Dev 0
pull1D
Entries 54
Mean 0.1358
Std Dev 2.952

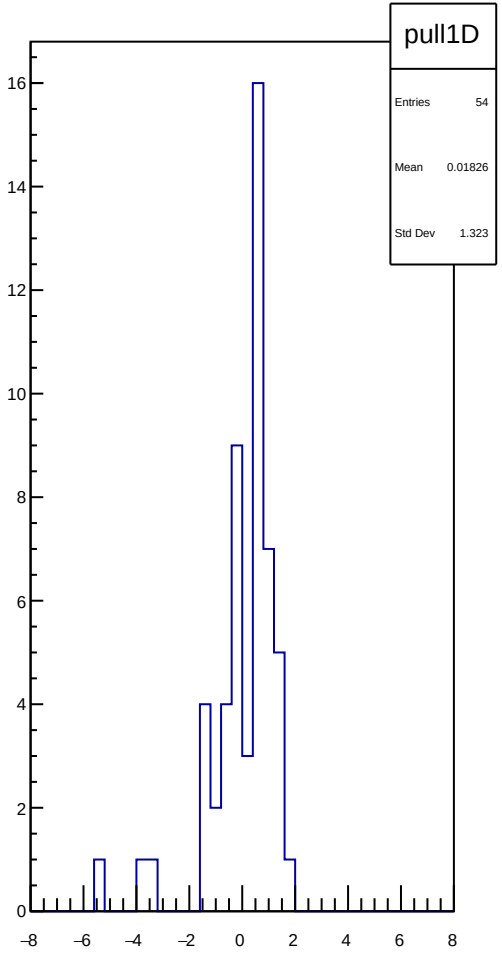

reg_asym_bcm_an_us_an_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 93.59 / 53
p0 0.02085 ± 0.0127
pull
Entries 54
Mean −43.47
Std Dev 26.55

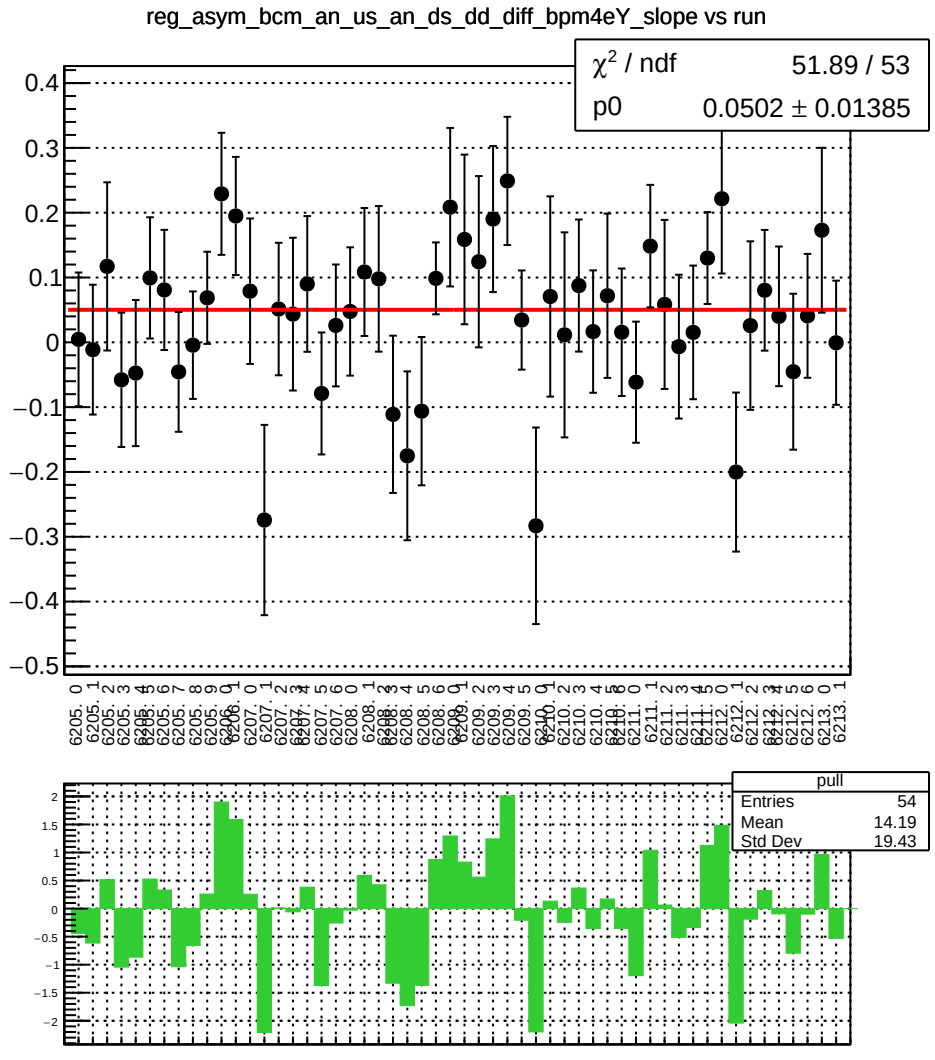

pull1D
Entries 54
Mean −0.01272
Std Dev 1.316

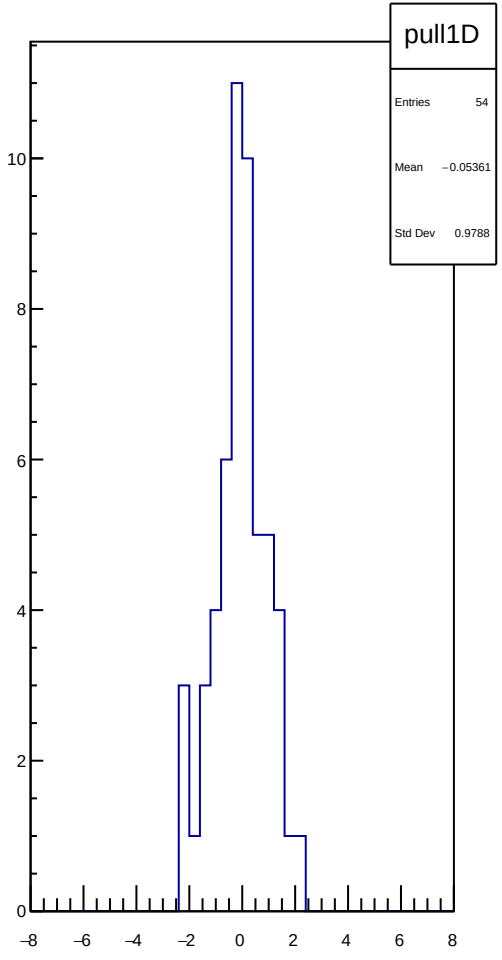

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 50.37 / 53
p0 −0.05254 ± 0.01241
pull
Entries 54
Mean 14.1
Std Dev 17.14

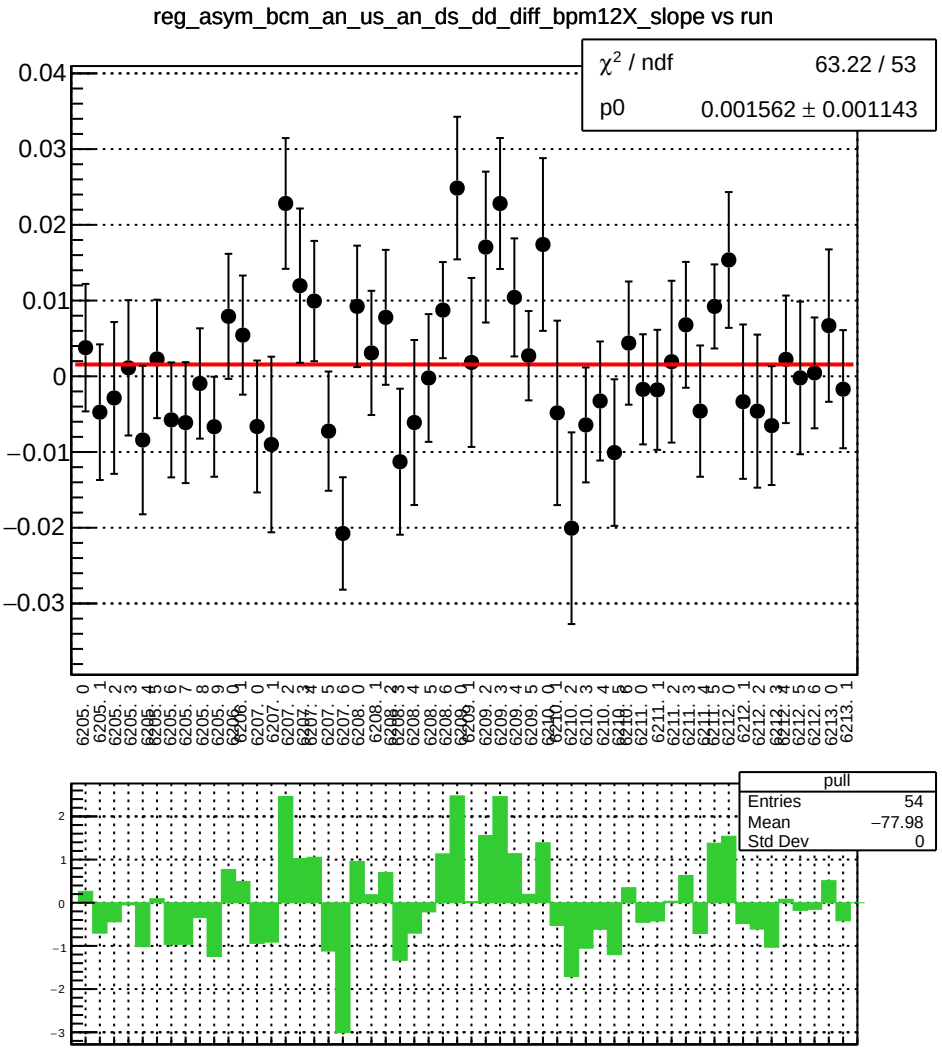

pull1D
Entries 54
Mean 0.05436
Std Dev 0.9643

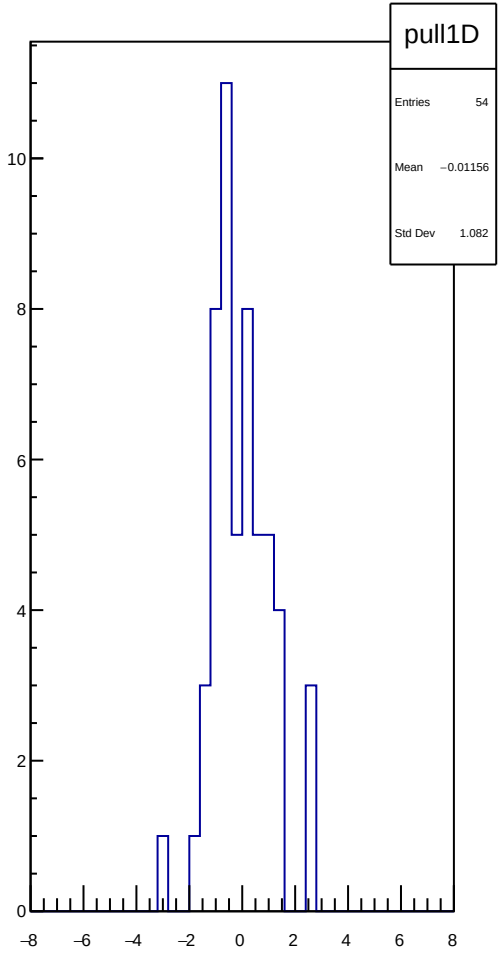

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 94.58 / 53
p0 −0.04174 ± 0.01387
pull
Entries 54
Mean −16.91
Std Dev 41.74

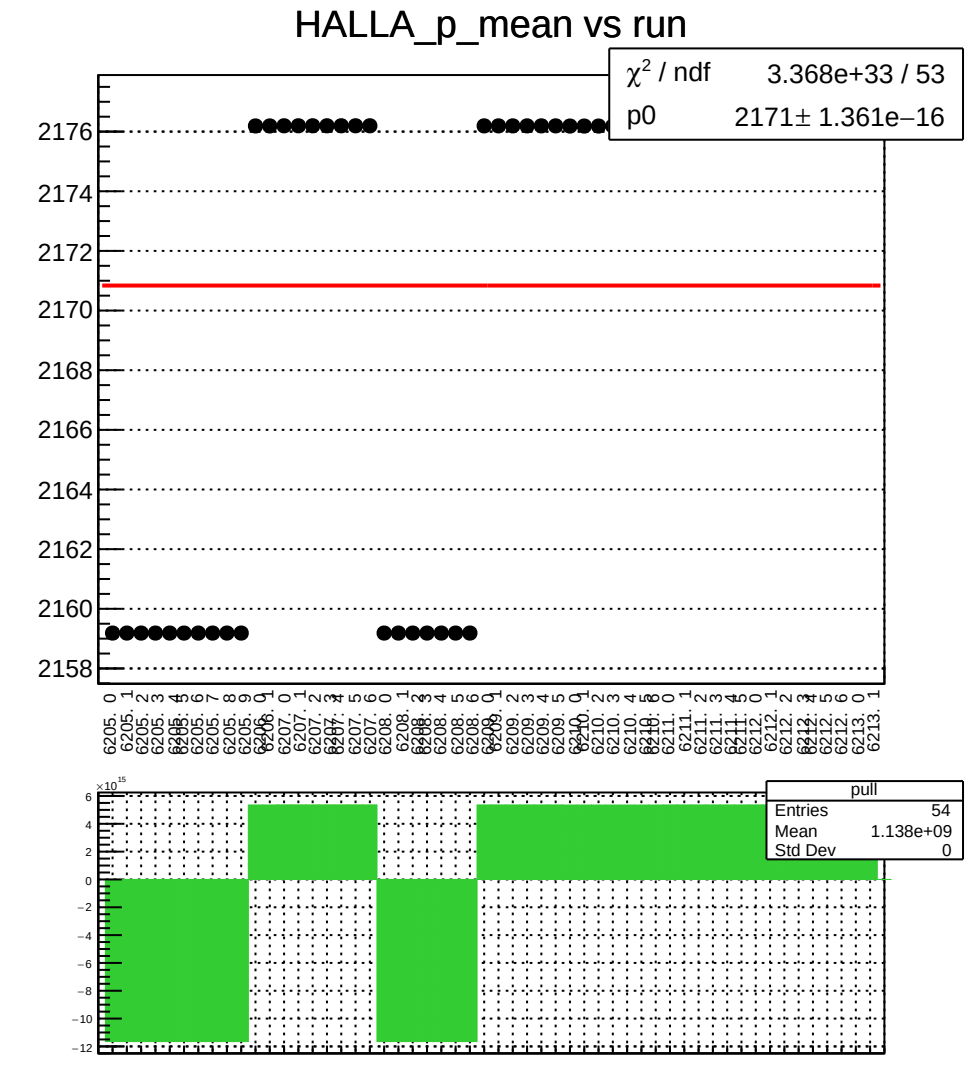

pull1D
Entries 54
Mean 0.01826
Std Dev 1.323

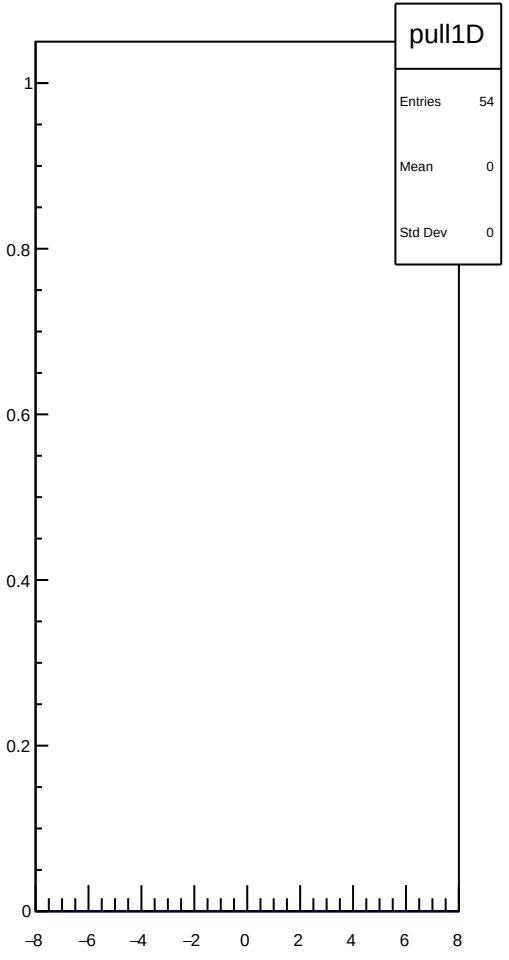

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 51.89 / 53
p0 0.0502 ± 0.01385
pull
Entries 54
Mean 14.19
Std Dev 19.43

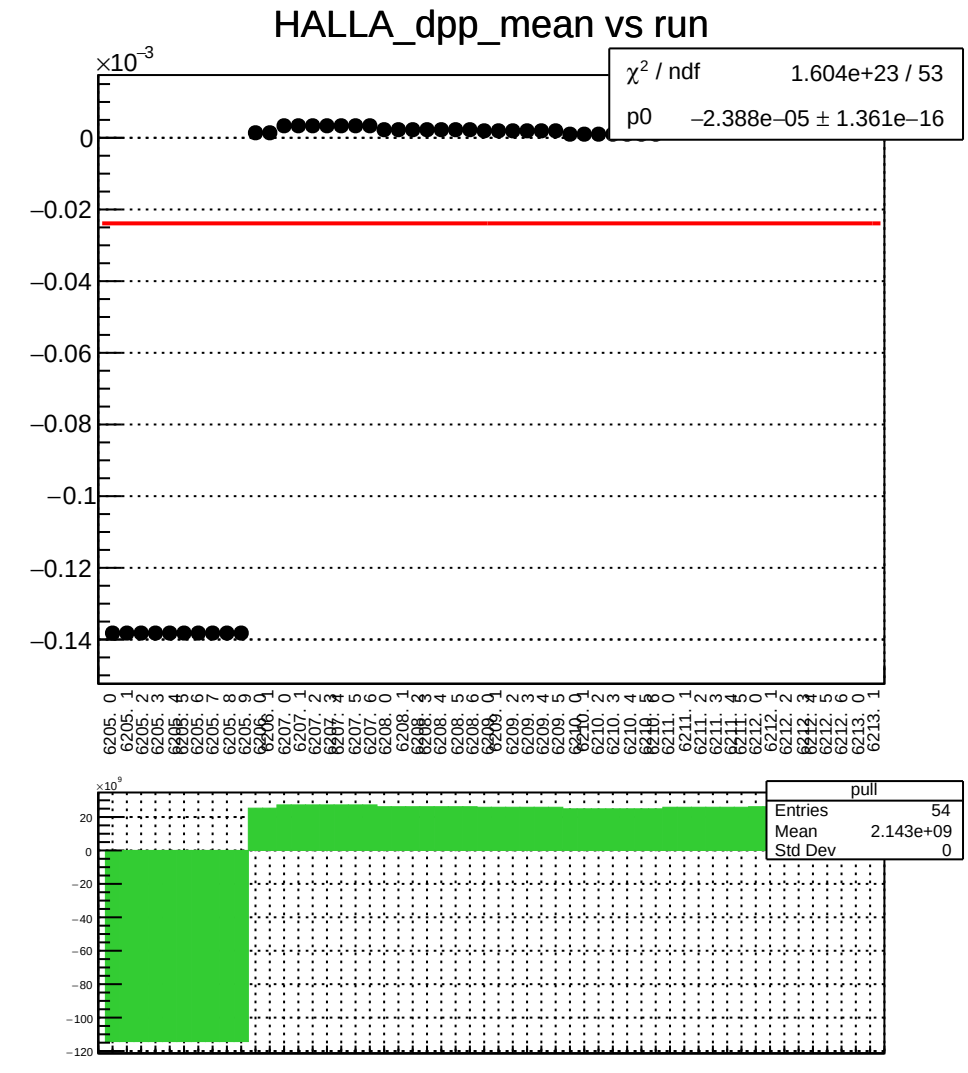

pull1D
Entries 54
Mean −0.05361
Std Dev 0.9788

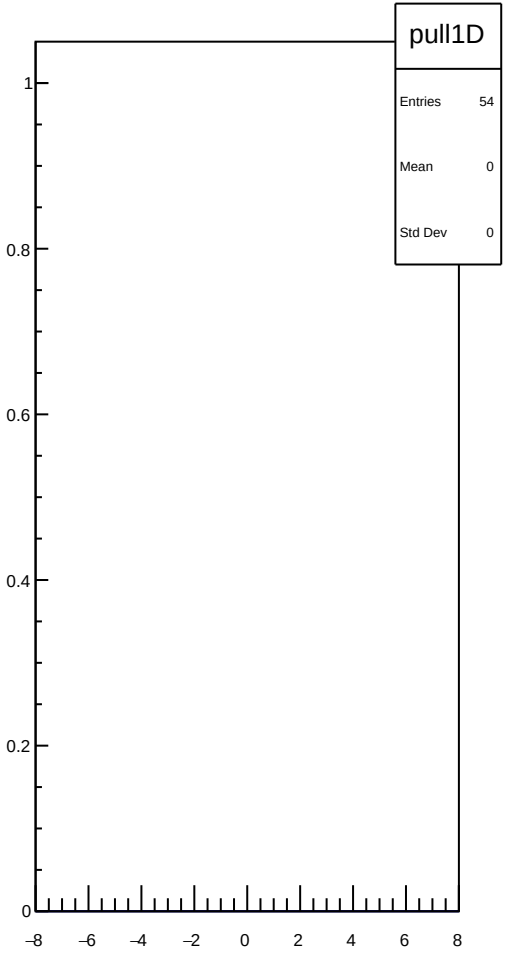

reg_asym_bcm_an_us_an_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 63.22 / 53
p0 0.001562 ± 0.001143
pull
Entries 54
Mean −77.98
Std Dev 0

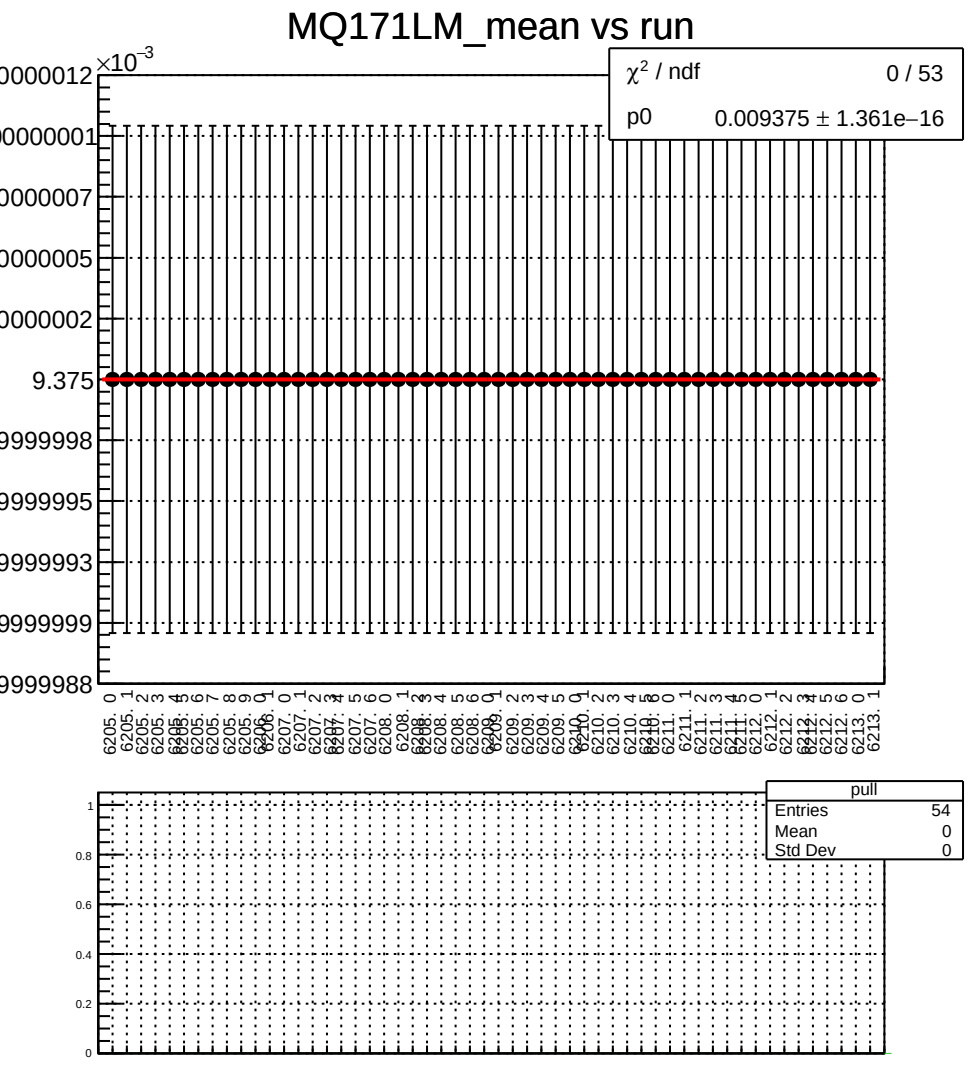

pull1D
Entries 54
Mean −0.01156
Std Dev 1.082

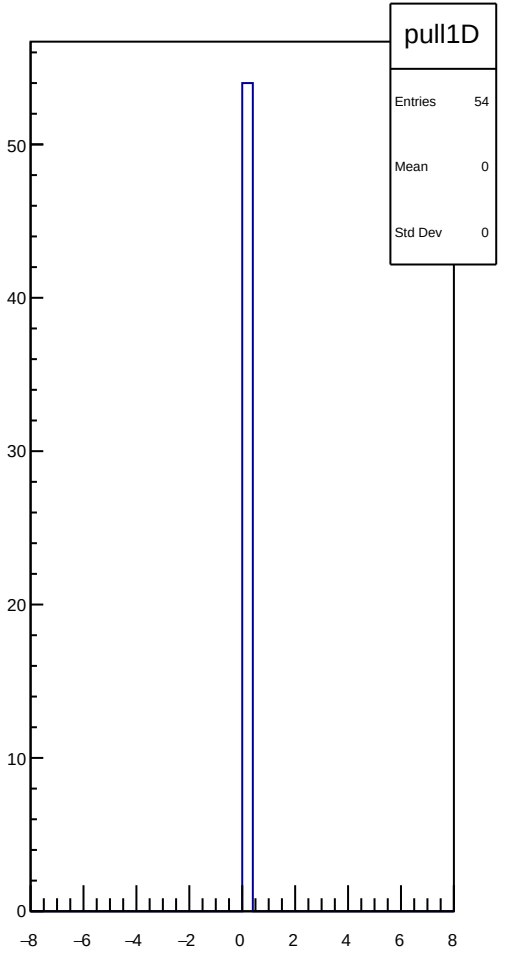

HALLA_p_mean vs run
χ² / ndf 3.368e+33 / 53
p0 2171± 1.361e−16
2176
2174
2172
2170
2168
2166
2164
2162
2160
2158
pull
Entries 54
Mean 1.138e+09
Std Dev 0
×10¹⁵
6
4
2
0
−2
−4
−6
−8
−10
−12

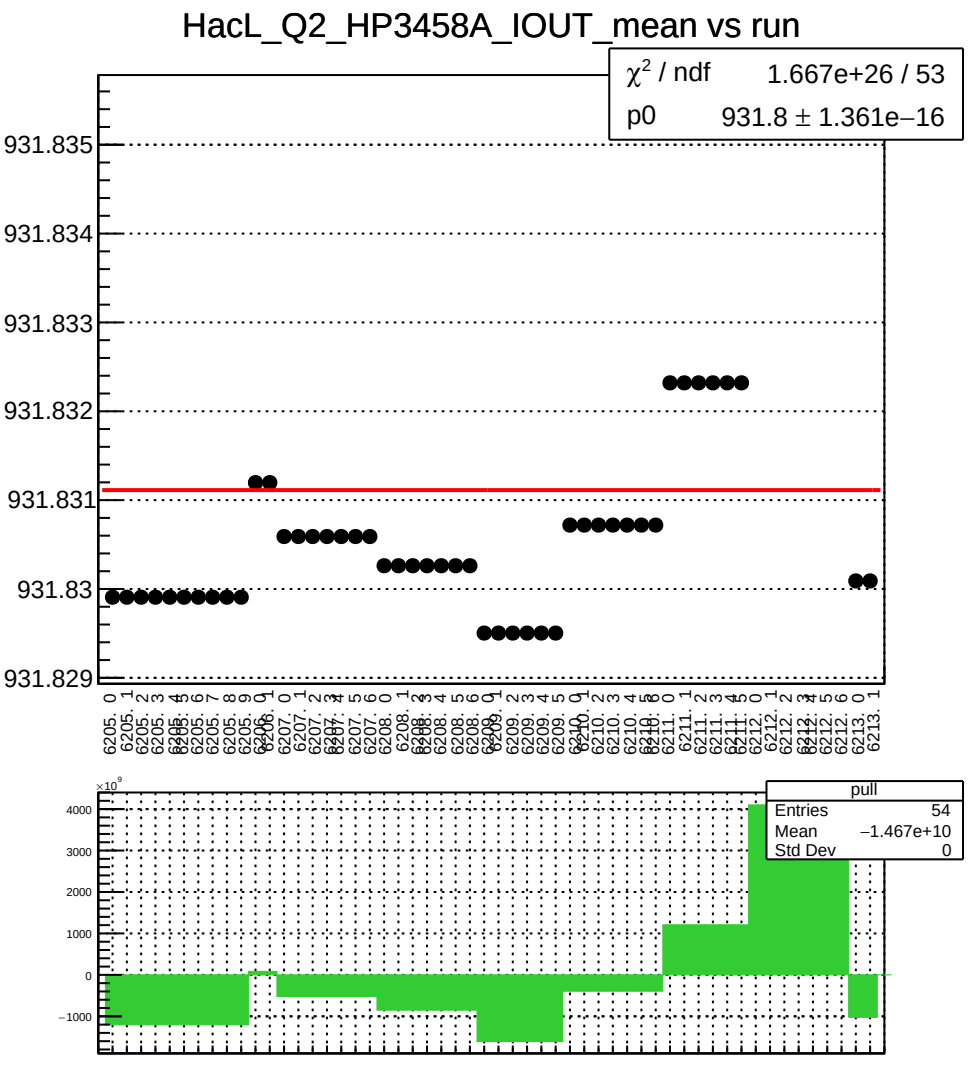

pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

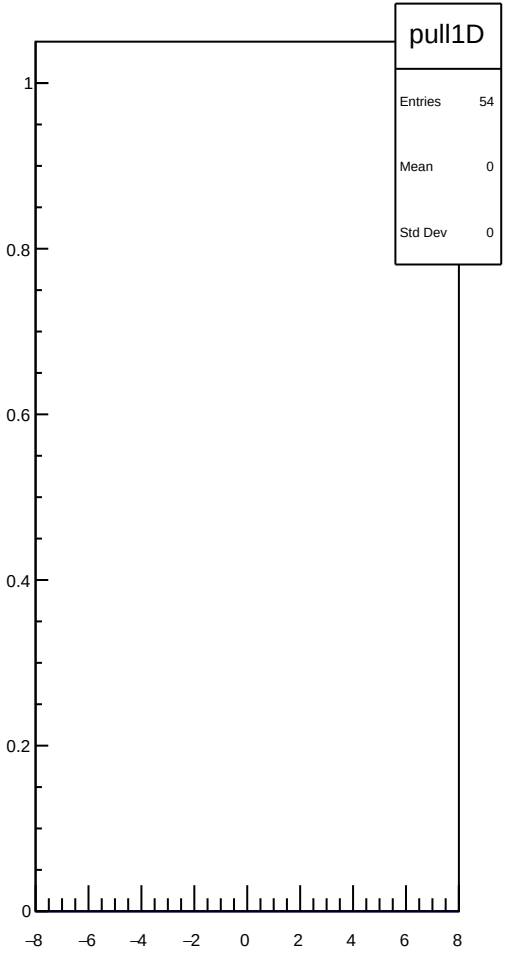

HALLA_dpp_mean vs run
χ² / ndf 1.604e+23 / 53
p0 −2.388e−05 ± 1.361e−16
pull
Entries 54
Mean 2.143e+09
Std Dev 0

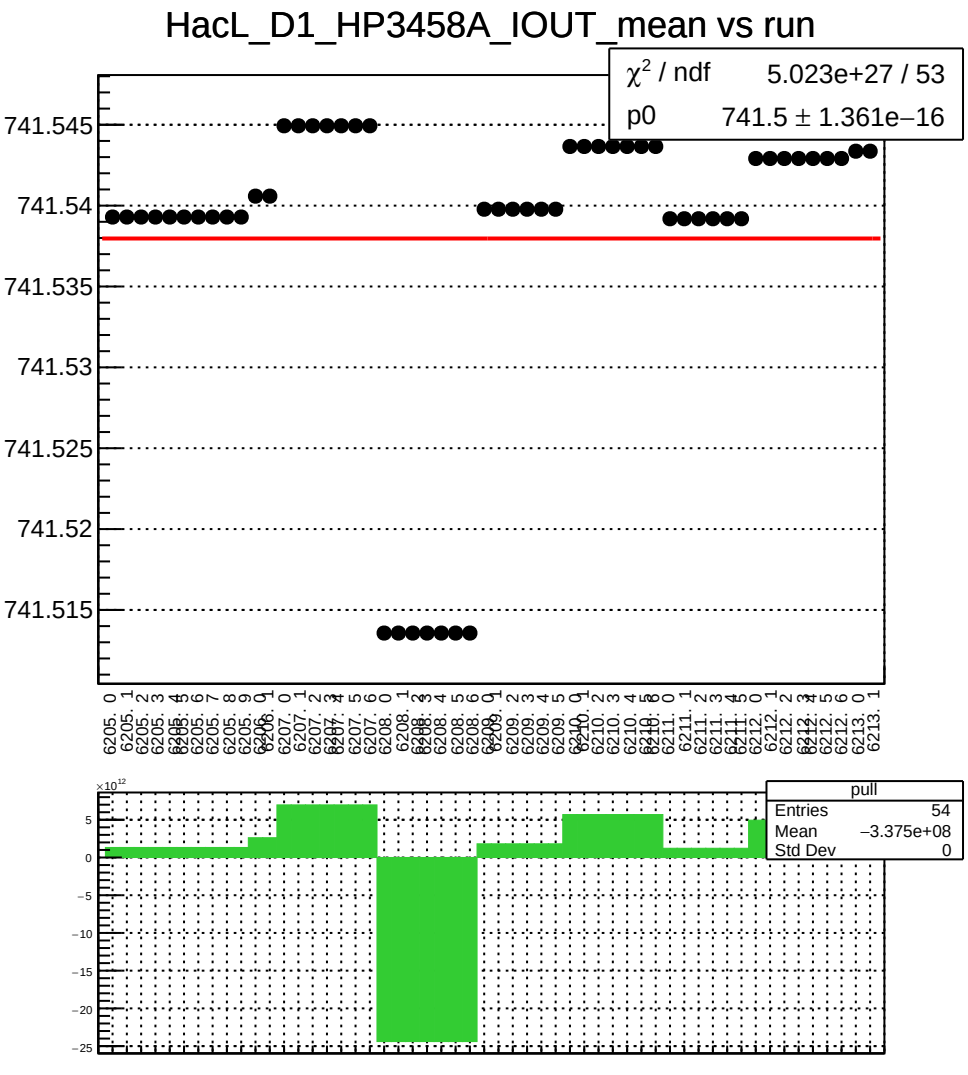

pull1D
Entries 54
Mean 0
Std Dev 0

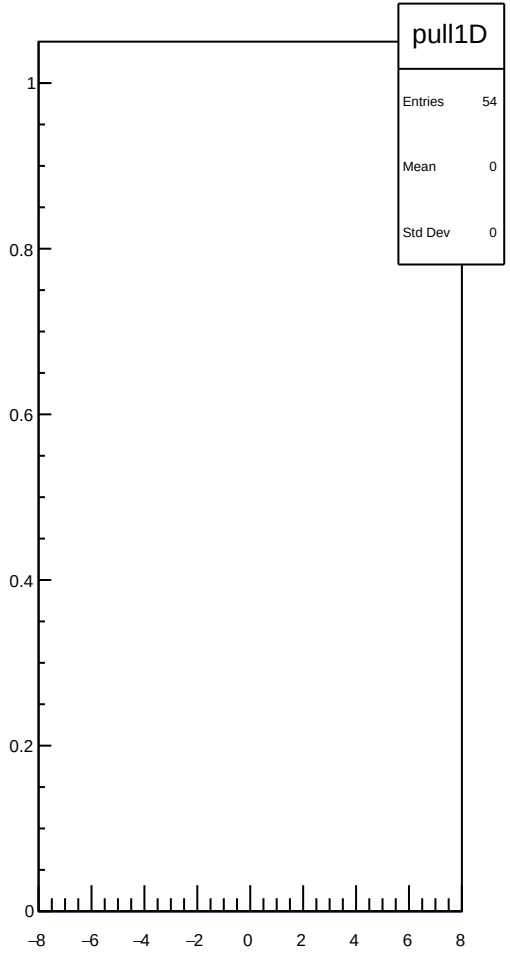

MQ171LM_mean vs run
×10⁻³
χ² / ndf 0 / 53
p0 0.009375 ± 1.361e−16
pull
Entries 54
Mean 0
Std Dev 0

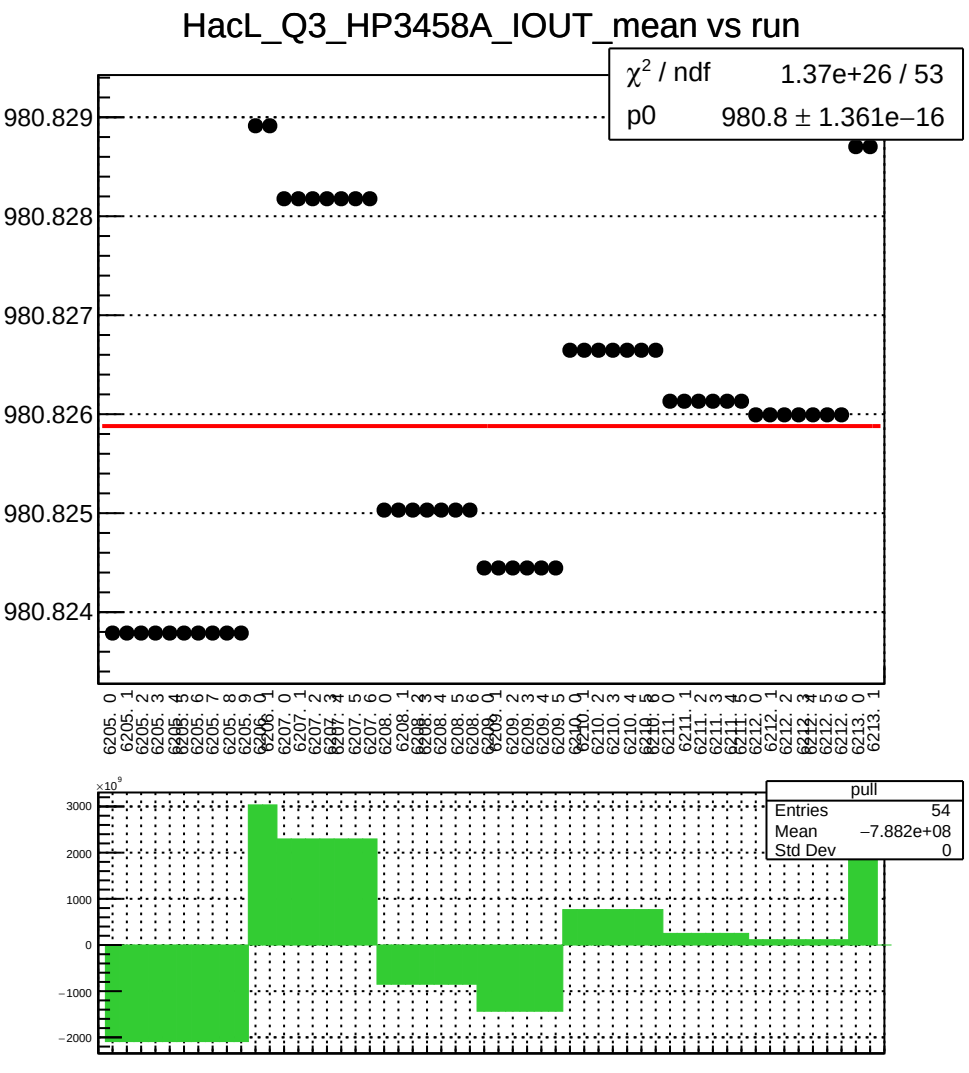

pull1D
Entries 54
Mean 0
Std Dev 0

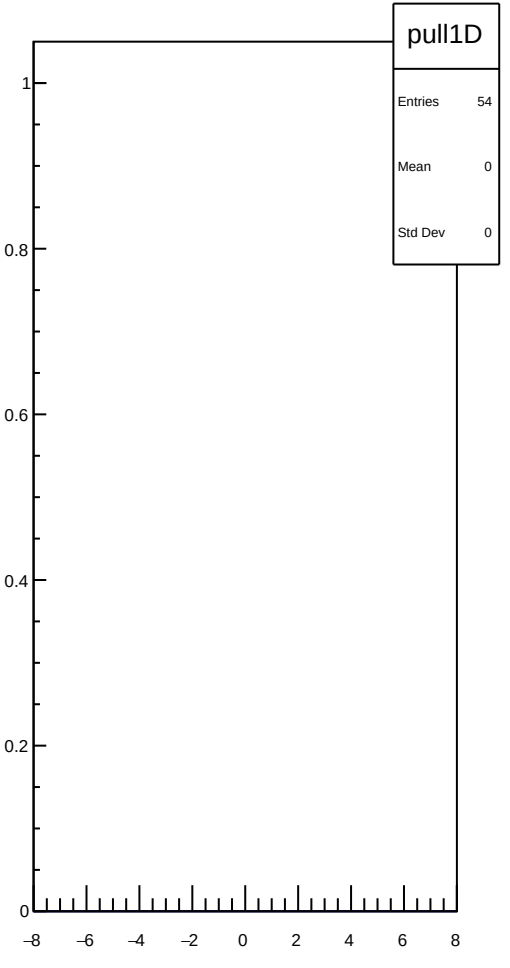

HacL_Q2_HP3458A_IOUT_mean vs run
χ² / ndf 1.667e+26 / 53
p0 931.8 ± 1.361e−16
931.835
931.834
931.833
931.832
931.831
931.83
931.829
pull
Entries 54
Mean −1.467e+10
Std Dev 0
×10⁹
4000
3000
2000
1000
0
−1000

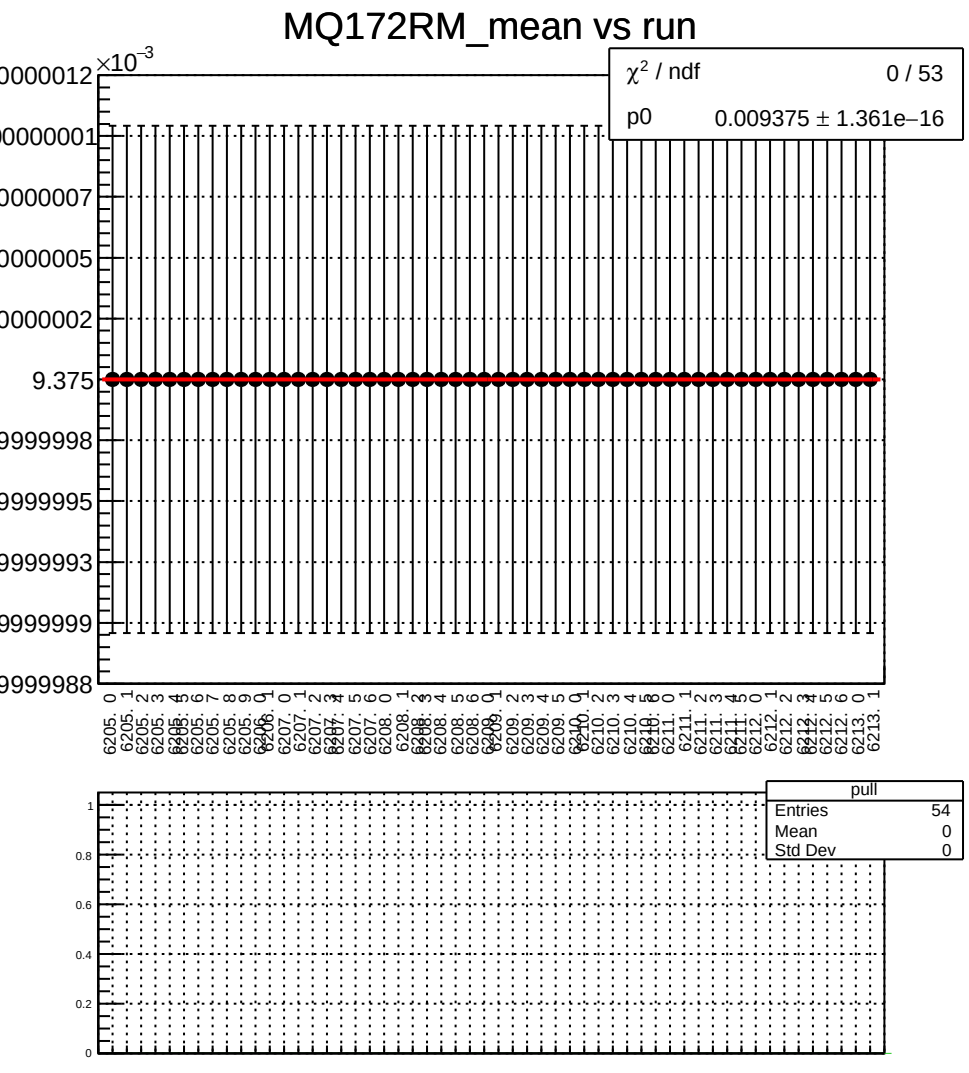

pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

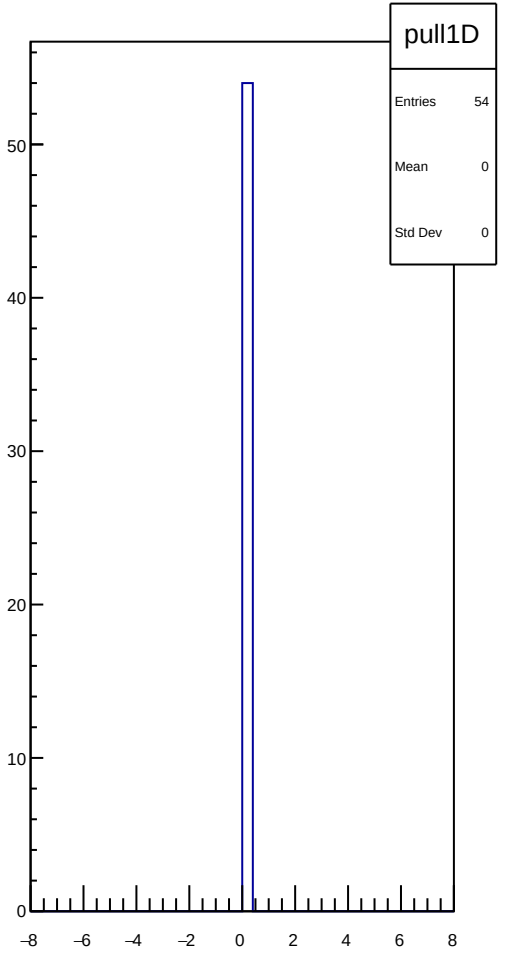

HacL_D1_HP3458A_IOUT_mean vs run
χ² / ndf 5.023e+27 / 53
p0 741.5 ± 1.361e−16
741.545
741.54
741.535
741.53
741.525
741.52
741.515
pull
Entries 54
Mean −3.375e+08
Std Dev 0
×10¹²
5
0
−5
−10
−15
−20
−25

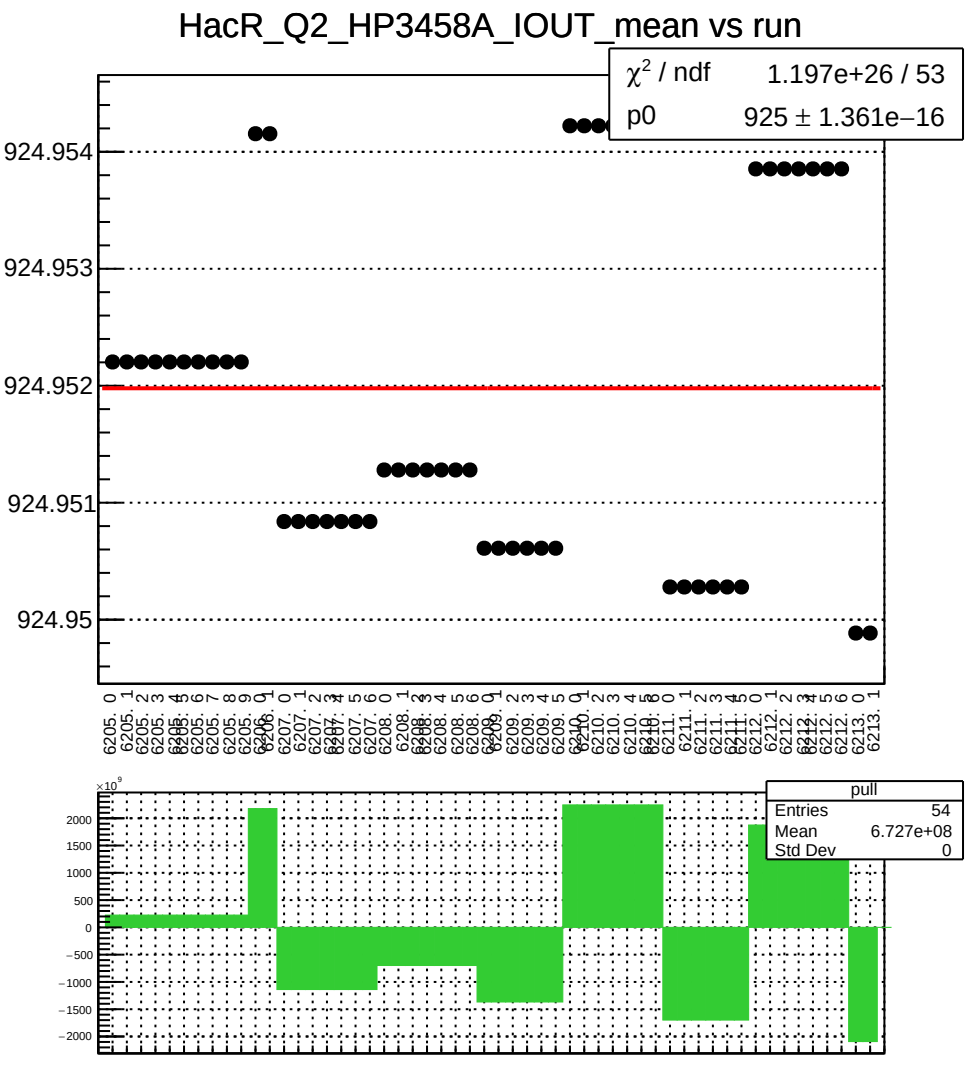

pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

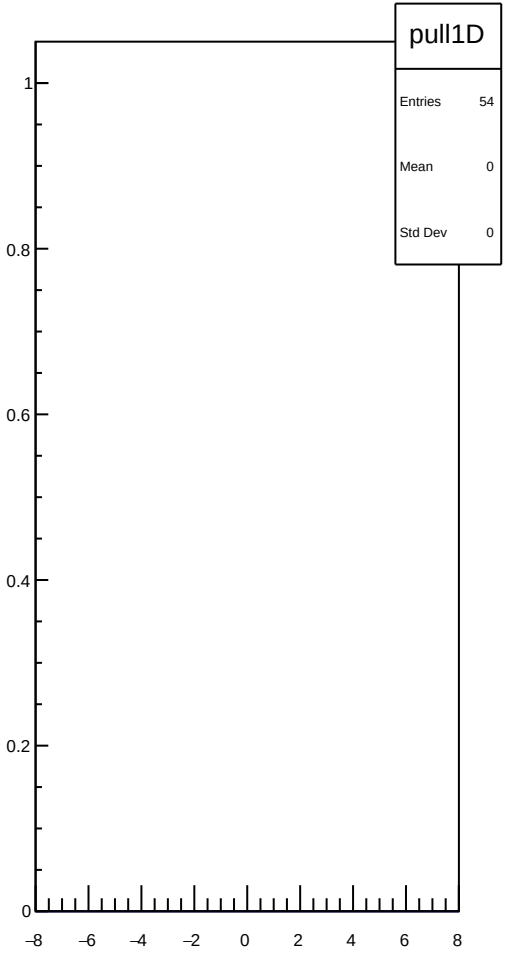

HacL_Q3_HP3458A_IOUT_mean vs run
χ² / ndf 1.37e+26 / 53
p0 980.8 ± 1.361e−16
980.829
980.828
980.827
980.826
980.825
980.824
pull
Entries 54
Mean −7.882e+08
Std Dev 0
×10⁹
3000
2000
1000
0
−1000
−2000

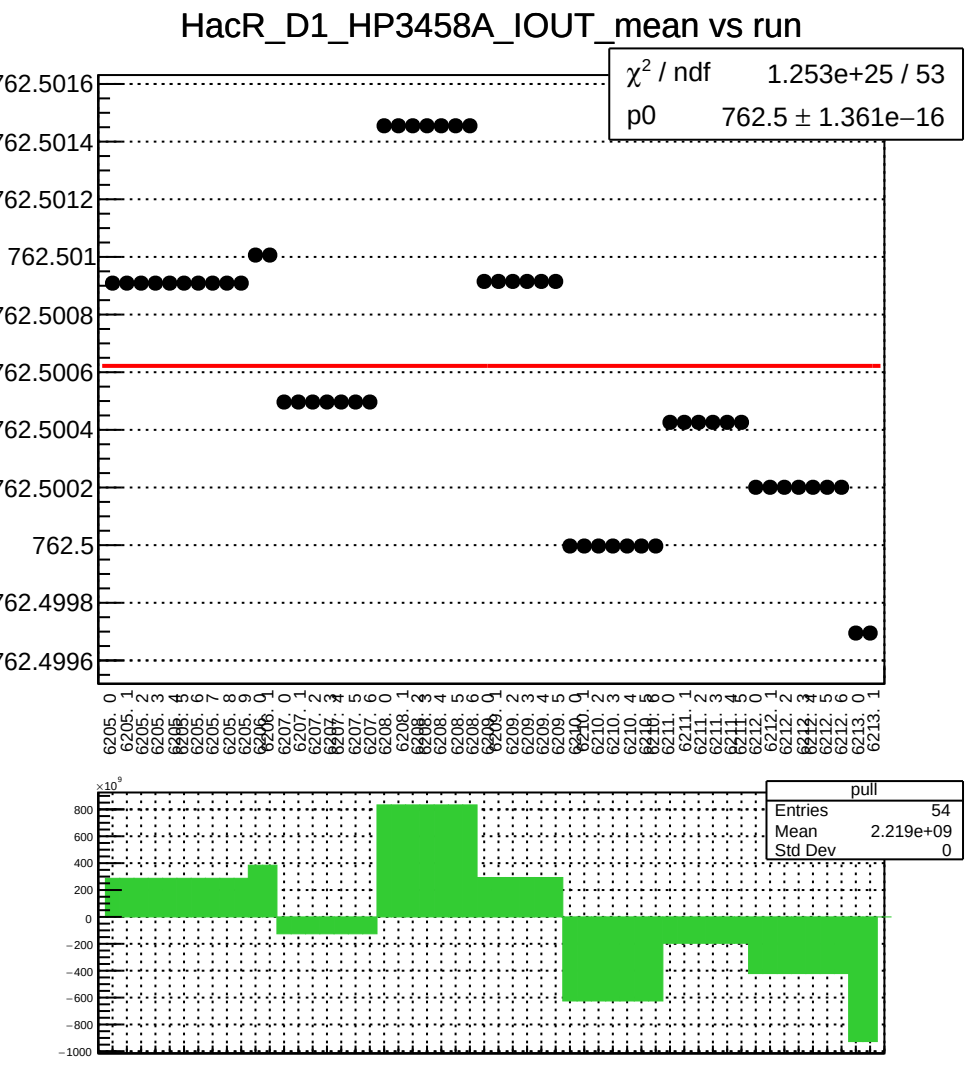

pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

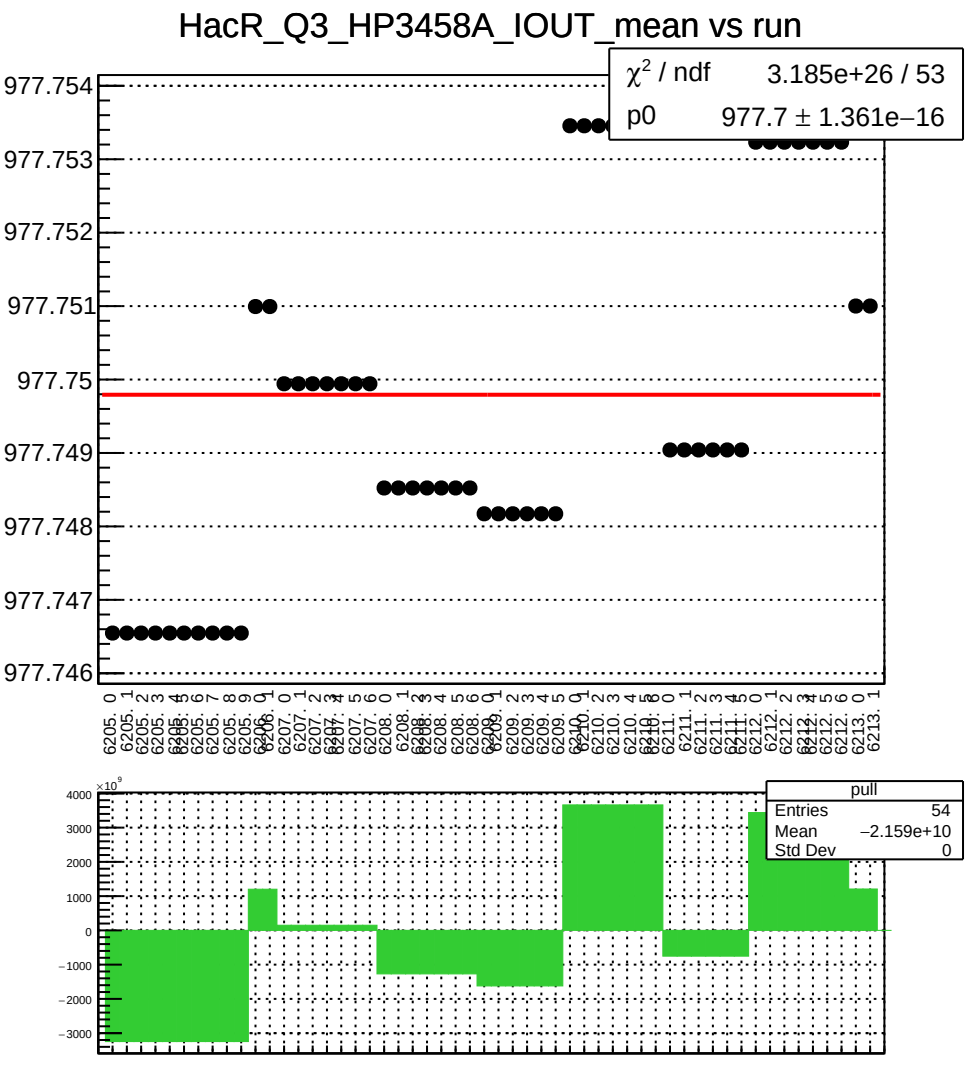

MQ172RM_mean vs run
×10⁻³
χ² / ndf 0 / 53
p0 0.009375 ± 1.361e−16
pull
Entries 54
Mean 0
Std Dev 0

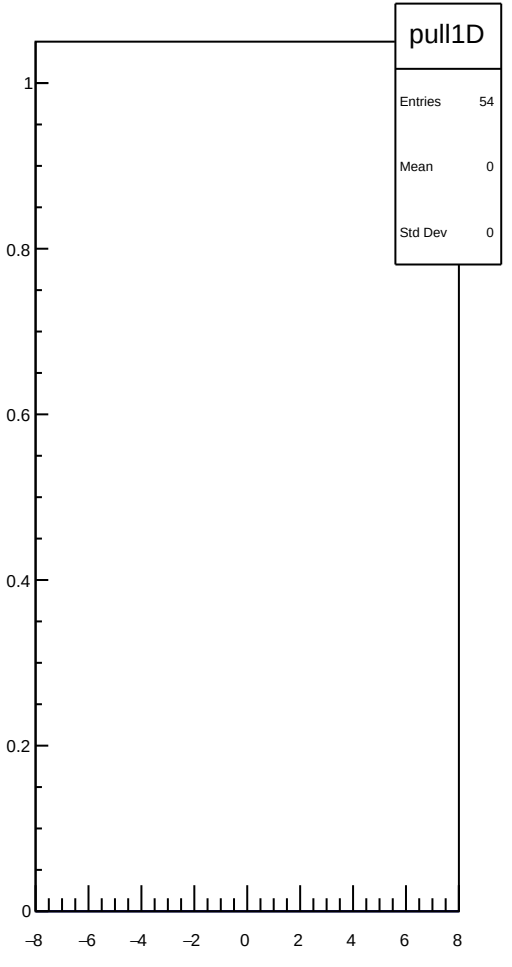

pull1D
Entries 54
Mean 0
Std Dev 0

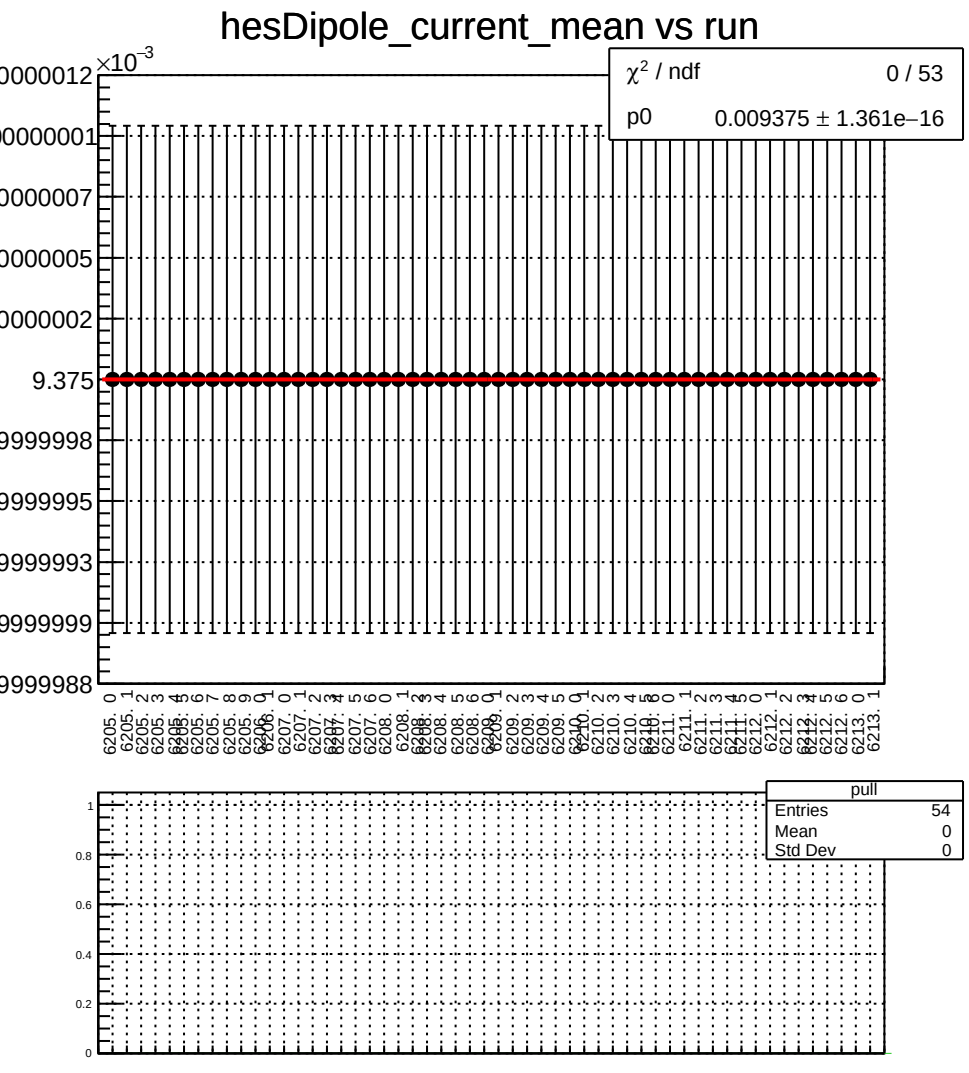

HacR_Q2_HP3458A_IOUT_mean vs run
χ² / ndf 1.197e+26 / 53
p0 925 ± 1.361e−16
924.954
924.953
924.952
924.951
924.95
pull
Entries 54
Mean 6.727e+08
Std Dev 0
×10⁹
2000
1500
1000
500
0
−500
−1000
−1500
−2000

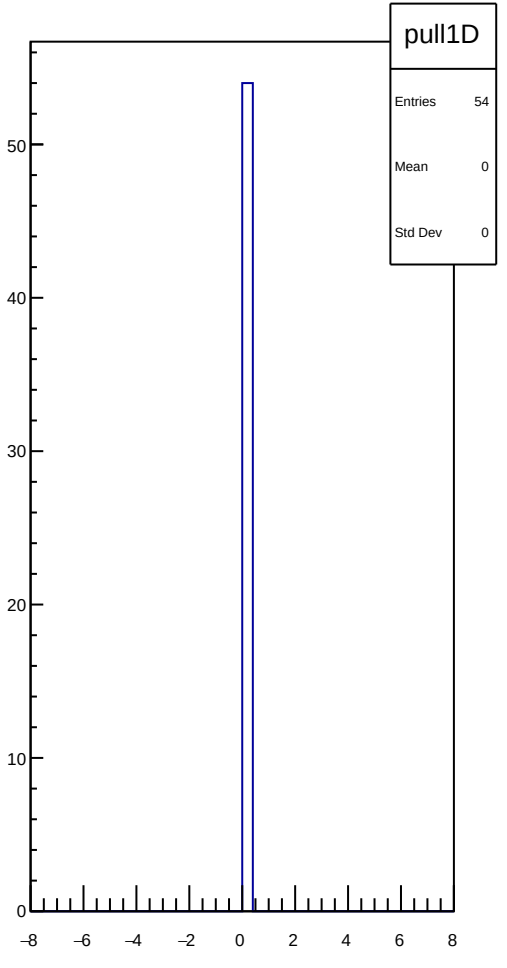

pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

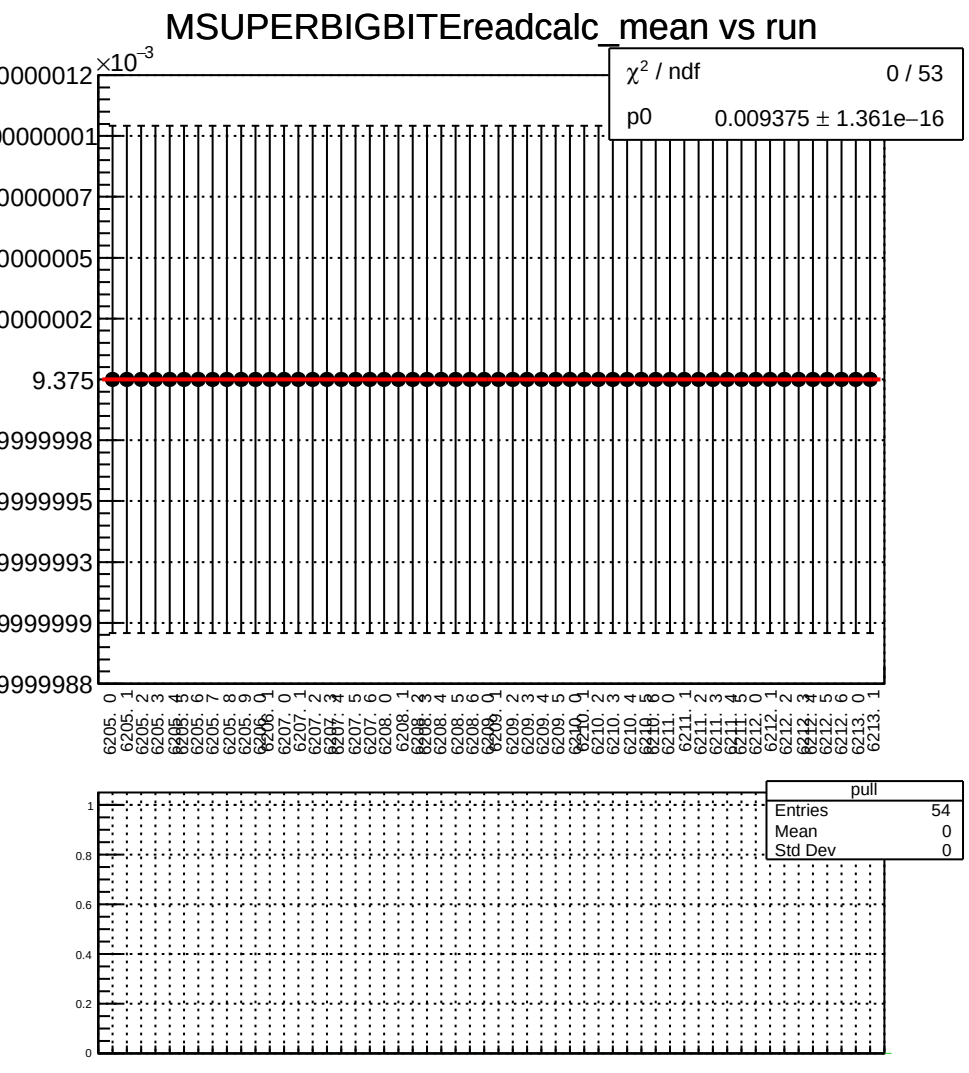

HacR_D1_HP3458A_IOUT_mean vs run
χ² / ndf 1.253e+25 / 53
p0 762.5 ± 1.361e−16
762.5016
762.5014
762.5012
762.501
762.5008
762.5006
762.5004
762.5002
762.5
762.4998
762.4996
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6213. 0
6213. 1
×10⁹
800
600
400
200
0
−200
−400
−600
−800
−1000
pull
Entries 54
Mean 2.219e+09
Std Dev 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

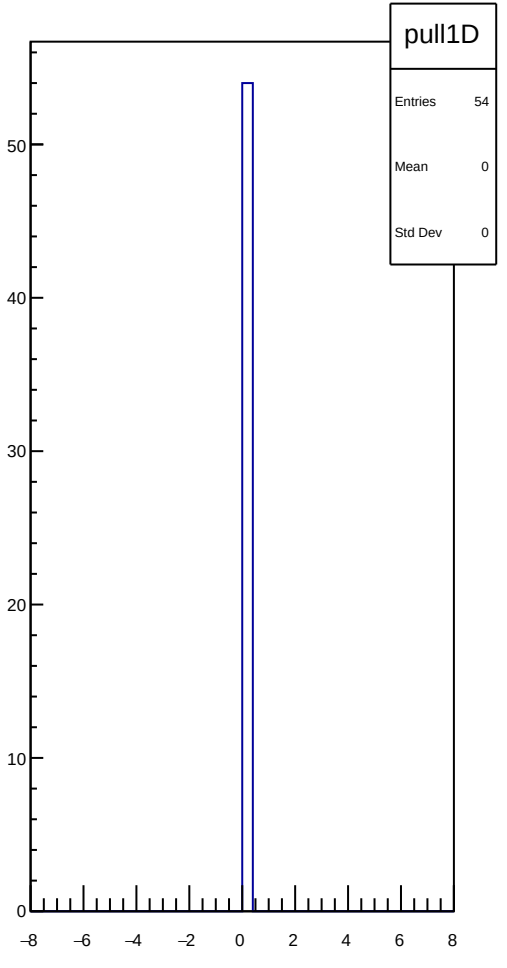

HacR_Q3_HP3458A_IOUT_mean vs run
χ² / ndf 3.185e+26 / 53
p0 977.7 ± 1.361e−16
977.754
977.753
977.752
977.751
977.75
977.749
977.748
977.747
977.746
pull
Entries 54
Mean −2.159e+10
Std Dev 0
×10⁹
4000
3000
2000
1000
0
−1000
−2000
−3000

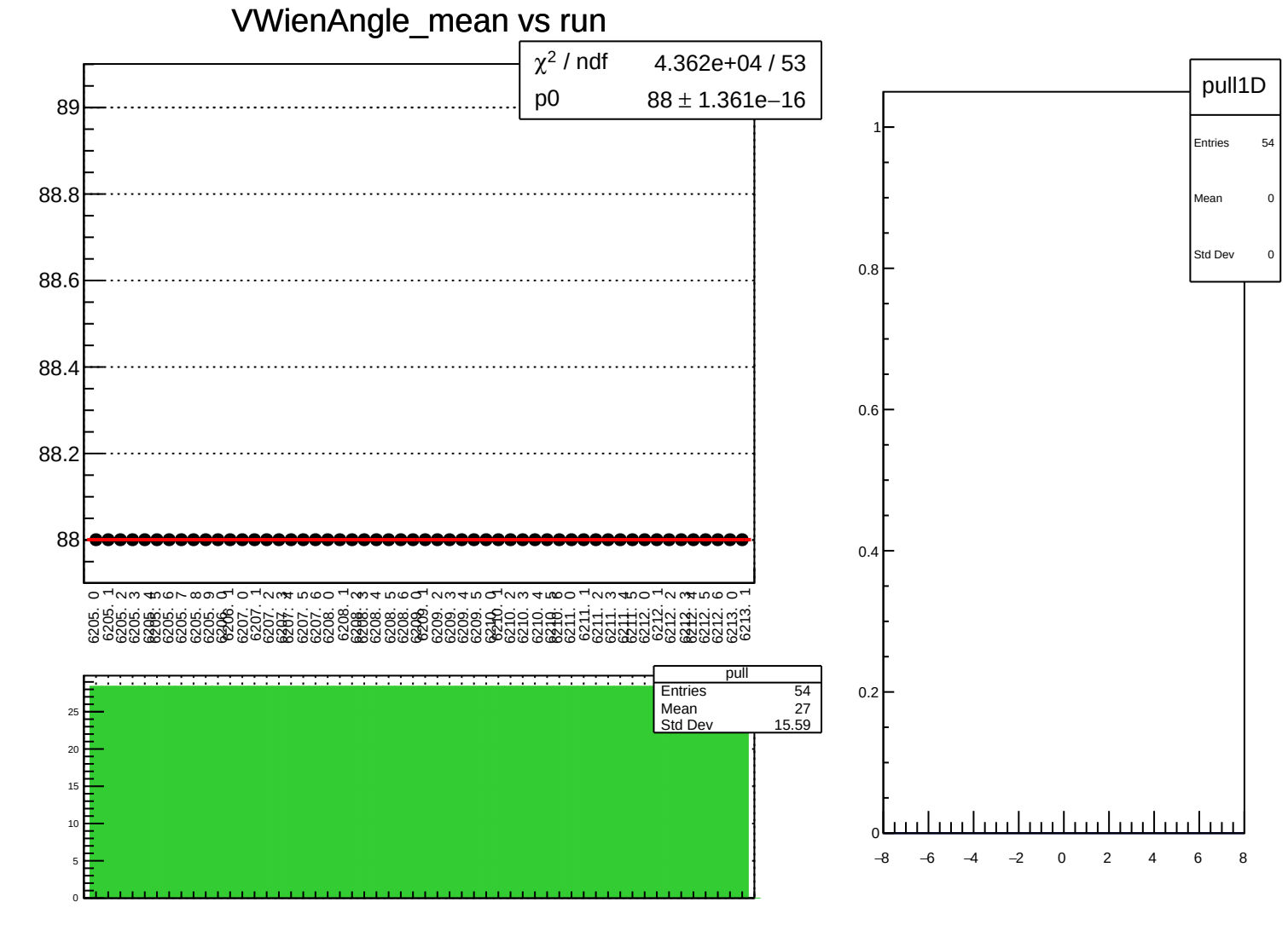

pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

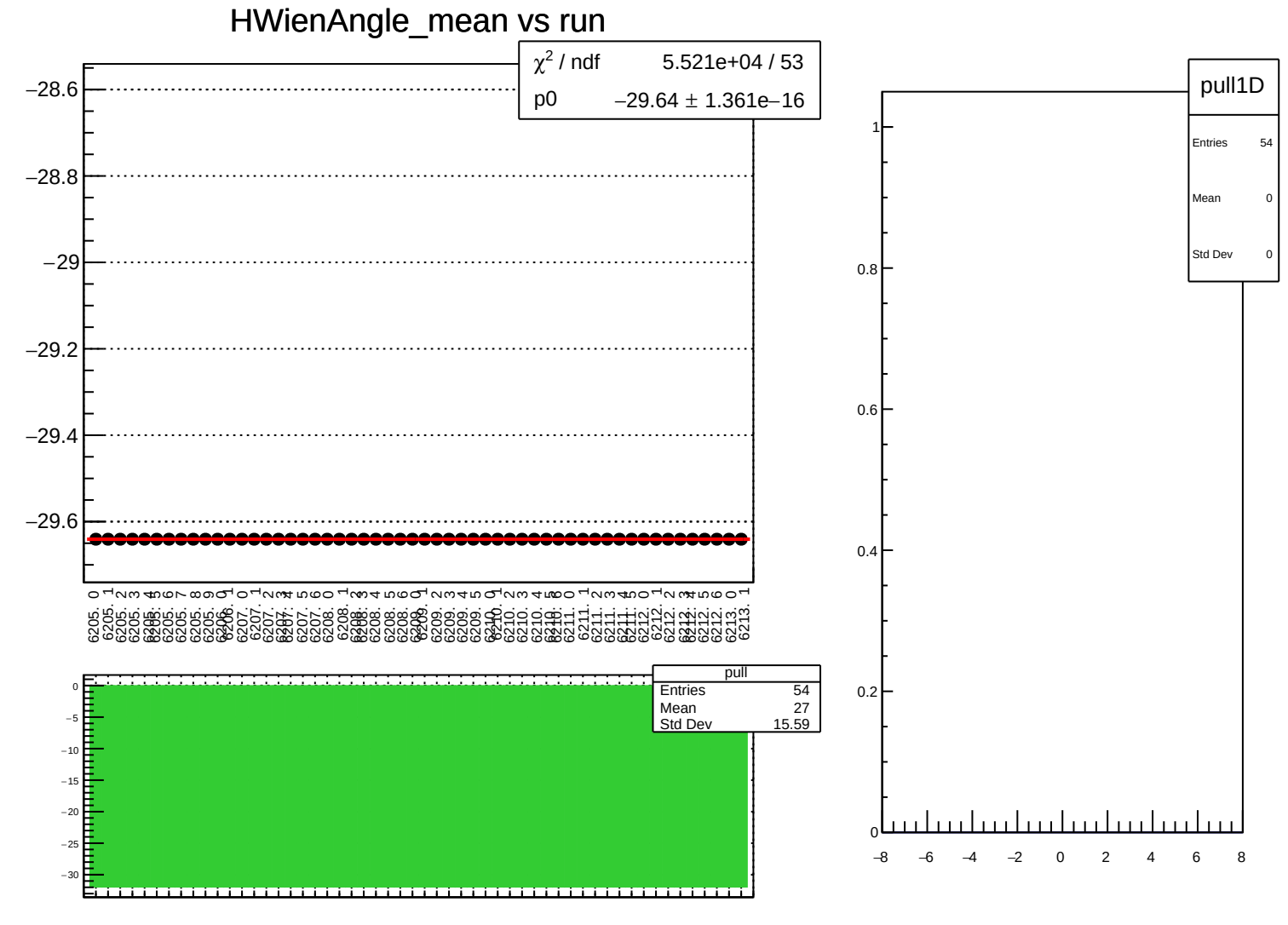

hesDipole_current_mean vs run
×10⁻³
χ² / ndf 0 / 53
p0 0.009375 ± 1.361e−16
pull
Entries 54
Mean 0
Std Dev 0

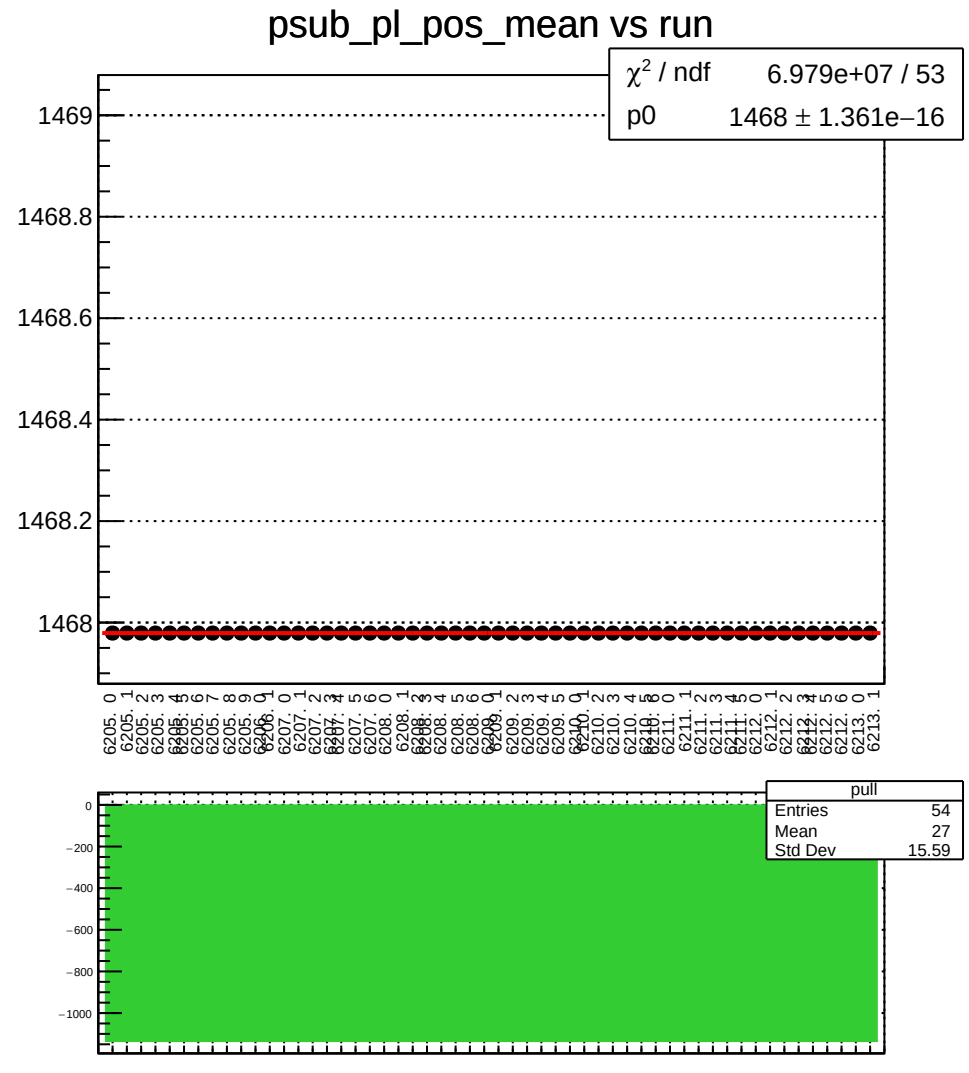

pull1D
Entries 54
Mean 0
Std Dev 0

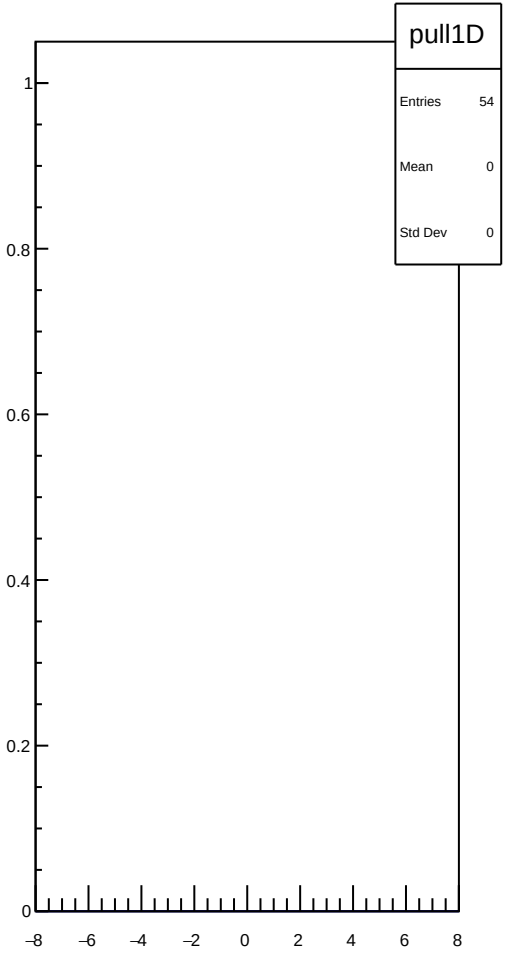

MSUPERBIGBITEreadcalc_mean vs run
χ² / ndf 0 / 53
p0 0.009375 ± 1.361e−16
×10⁻³
pull
Entries 54
Mean 0
Std Dev 0

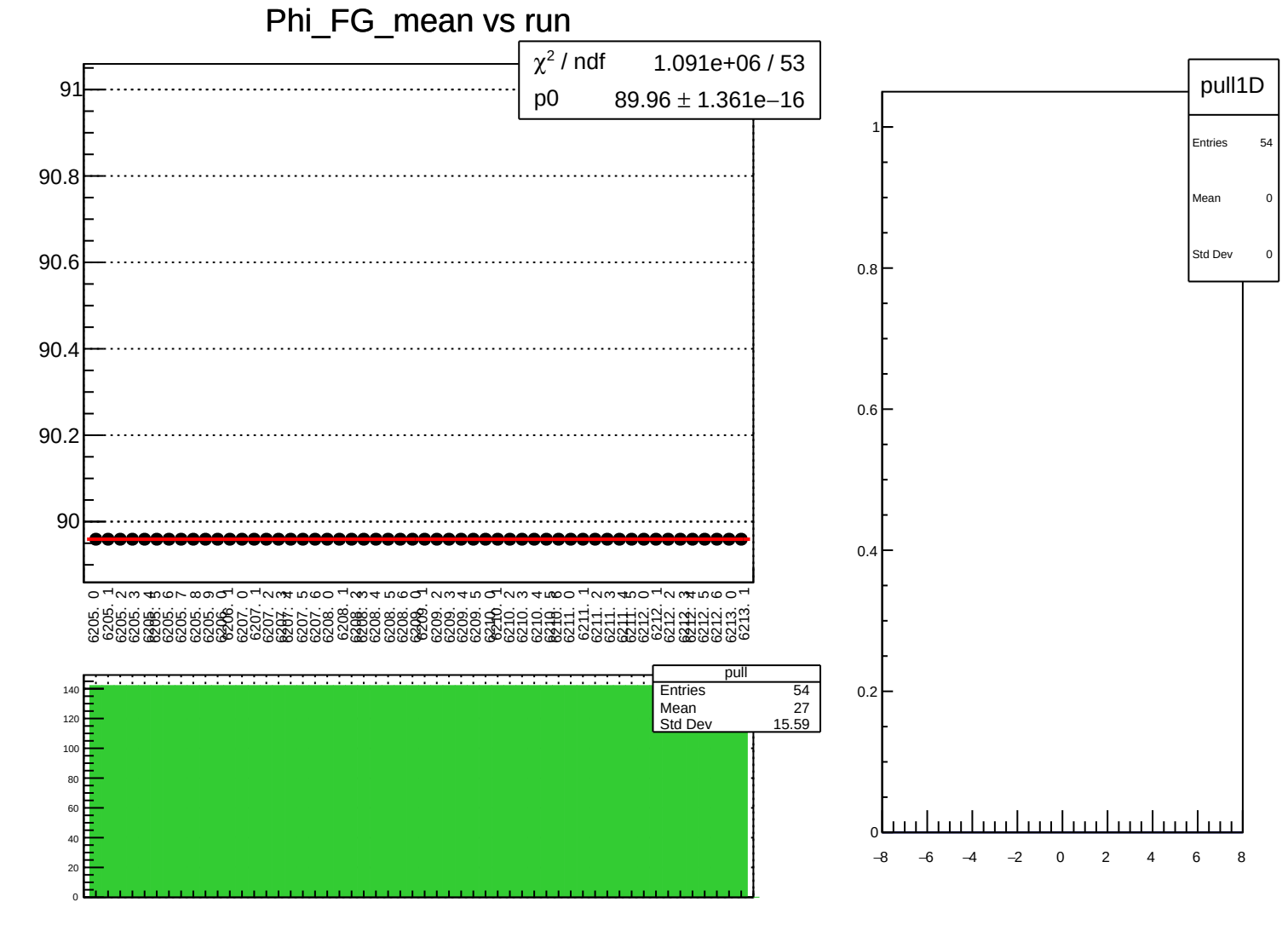

pull1D
Entries 54
Mean 0
Std Dev 0

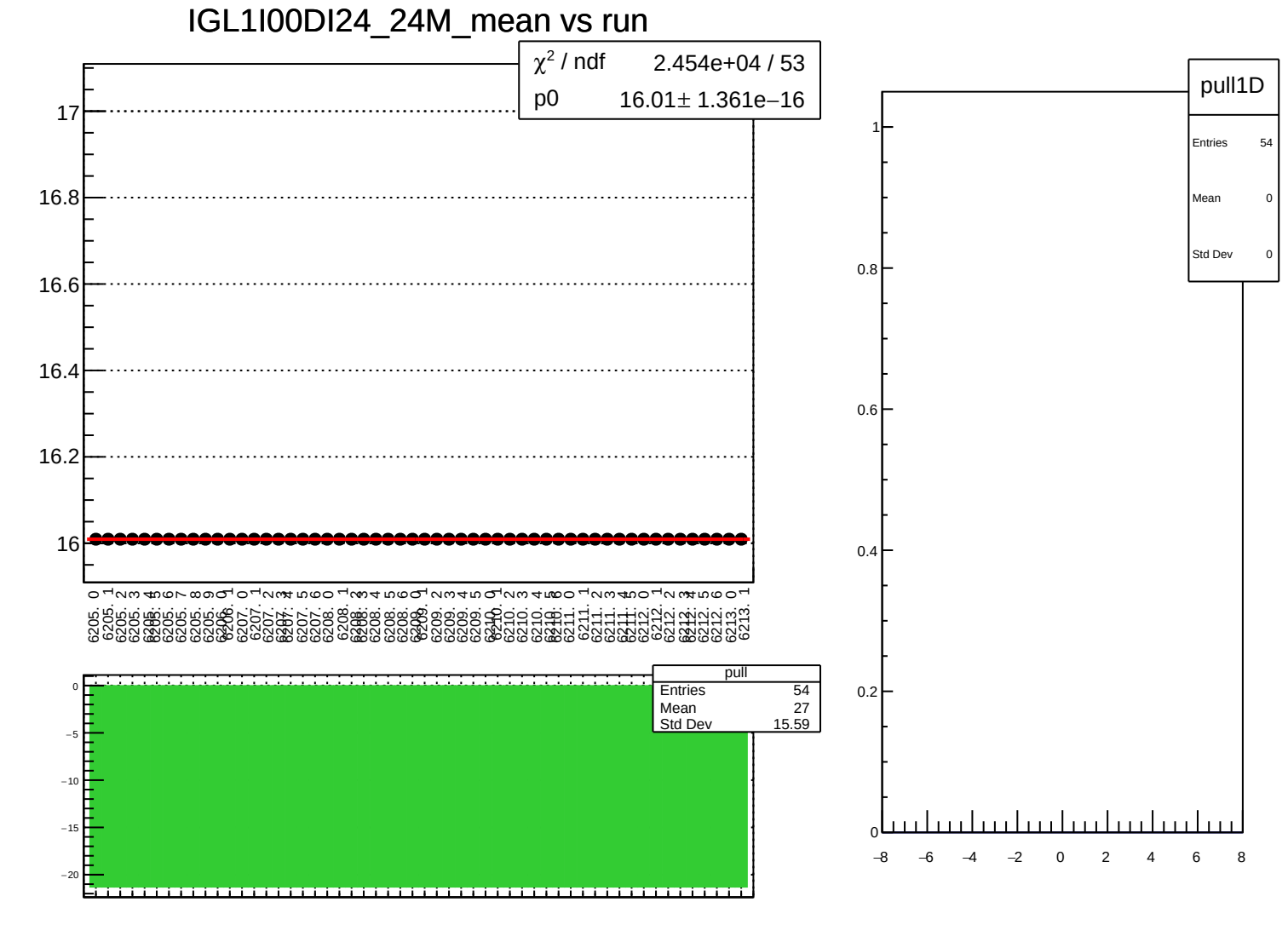

VWienAngle_mean vs run
χ² / ndf 4.362e+04 / 53
p0 88 ± 1.361e−16
89
88.8
88.6
88.4
88.2
88
pull
Entries 54
Mean 27
Std Dev 15.59
25
20
15
10
5
0
pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

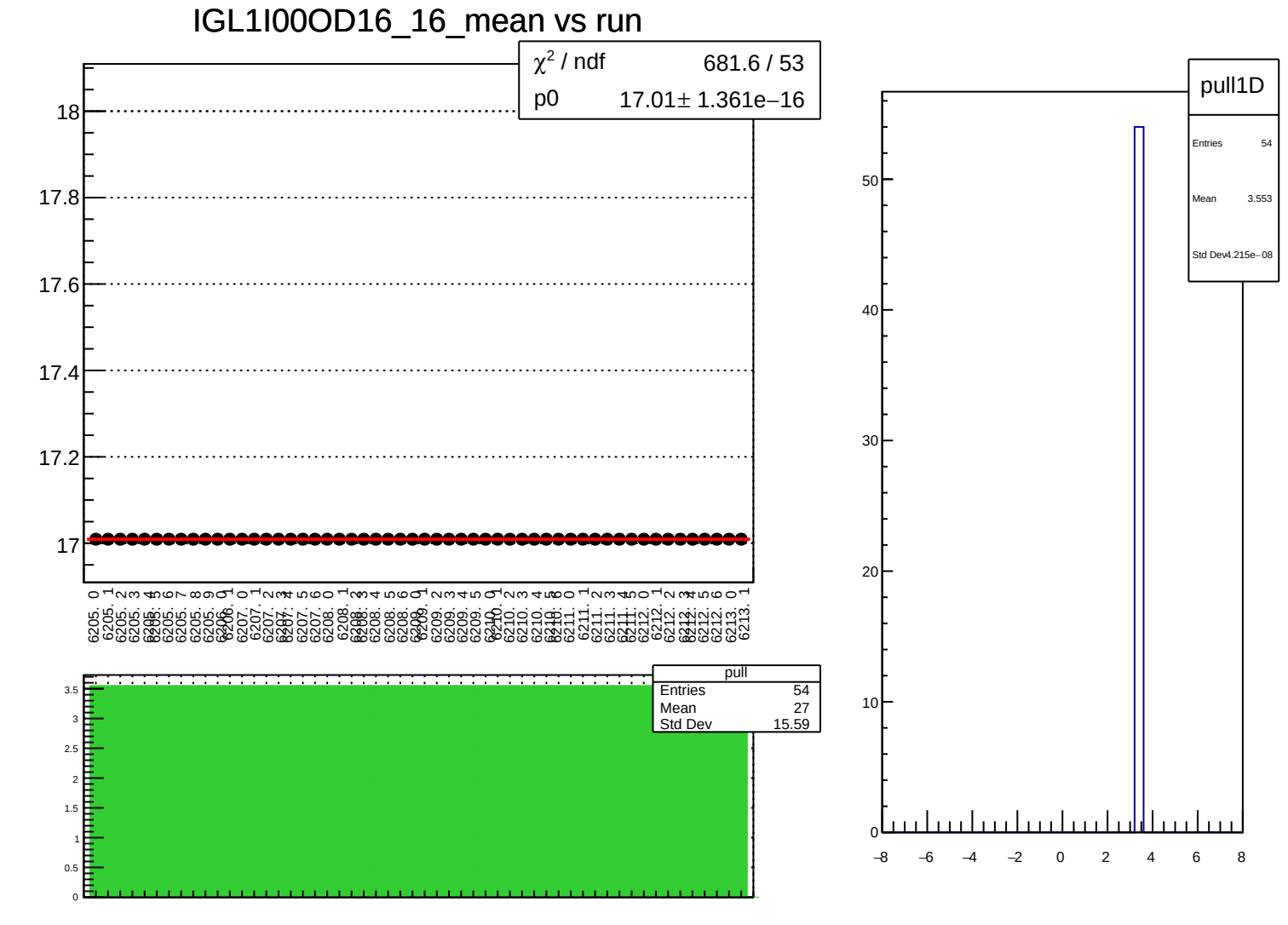

HWienAngle_mean vs run
χ² / ndf 5.521e+04 / 53
p0 −29.64 ± 1.361e−16
−28.6
−28.8
−29
−29.2
−29.4
−29.6
pull
Entries 54
Mean 27
Std Dev 15.59
pull1D
Entries 54
Mean 0
Std Dev 0

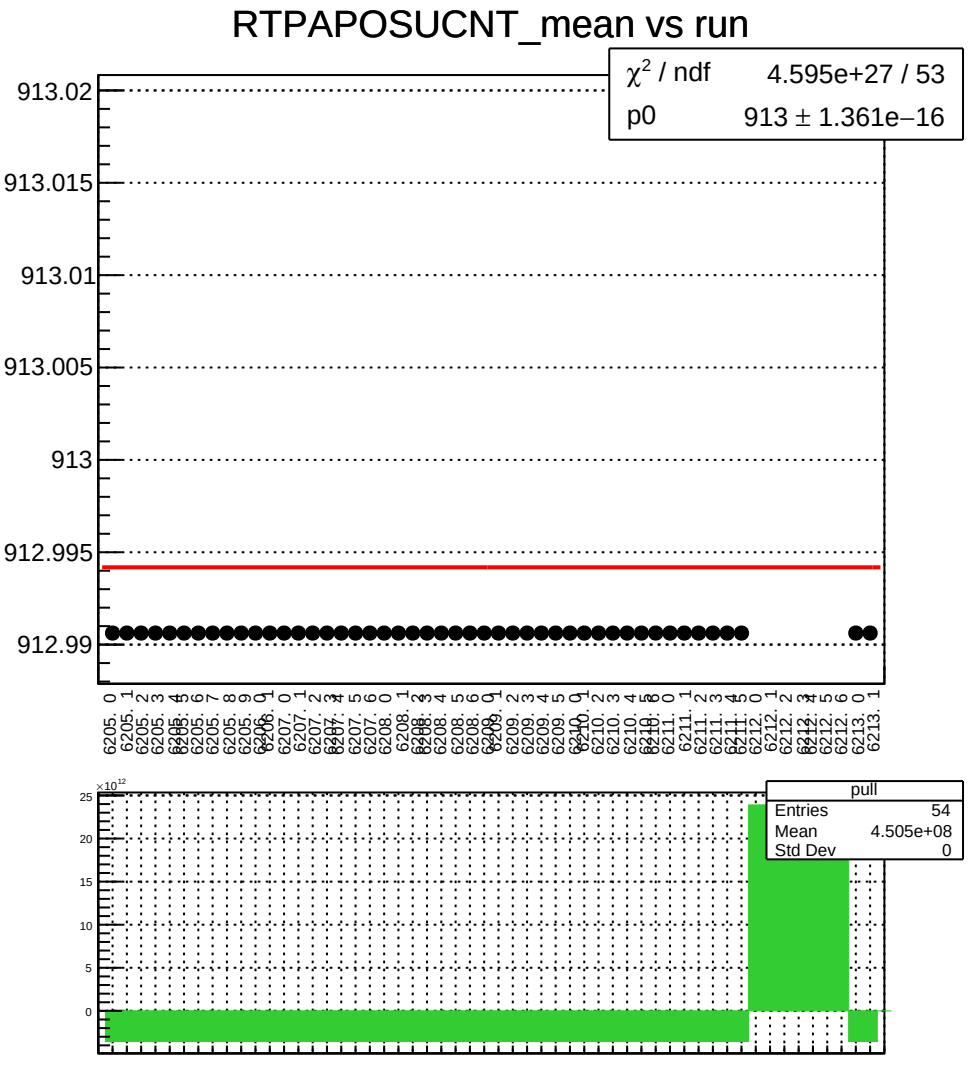

psub_pl_pos_mean vs run
χ² / ndf 6.979e+07 / 53
p0 1468 ± 1.361e−16
1469
1468.8
1468.6
1468.4
1468.2
1468
pull
Entries 54
Mean 27
Std Dev 15.59
0
−200
−400
−600
−800
−1000

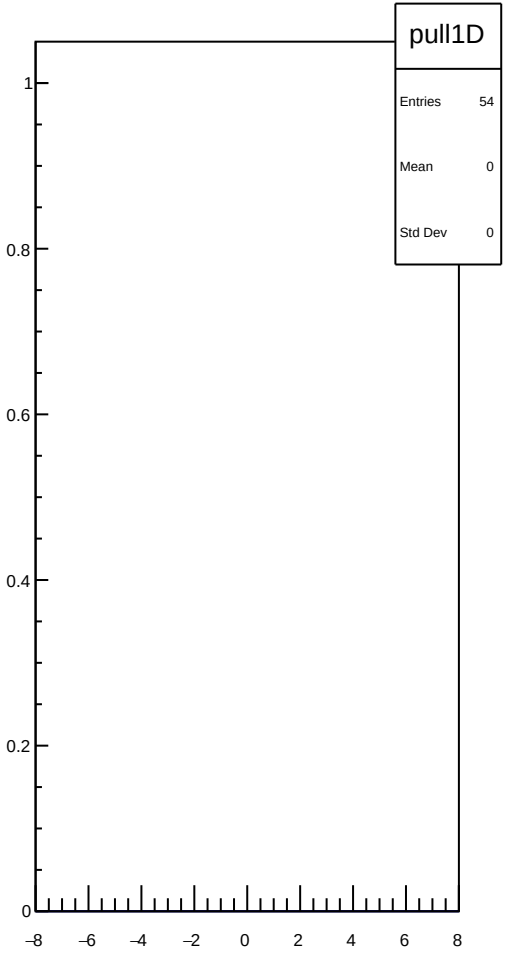

pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

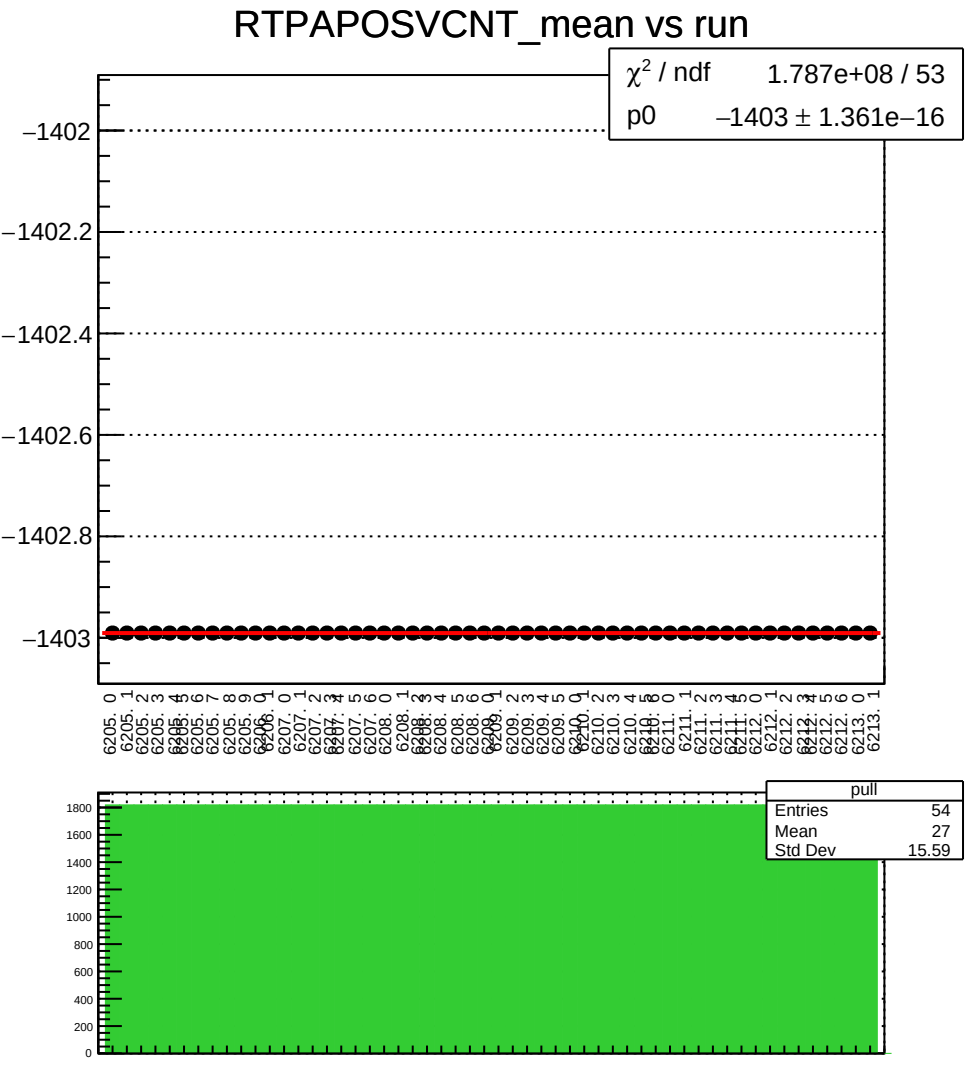

Phi_FG_mean vs run
χ² / ndf 1.091e+06 / 53
p0 89.96 ± 1.361e−16
91
90.8
90.6
90.4
90.2
90
pull
Entries 54
Mean 27
Std Dev 15.59
140
120
100
80
60
40
20
0
pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

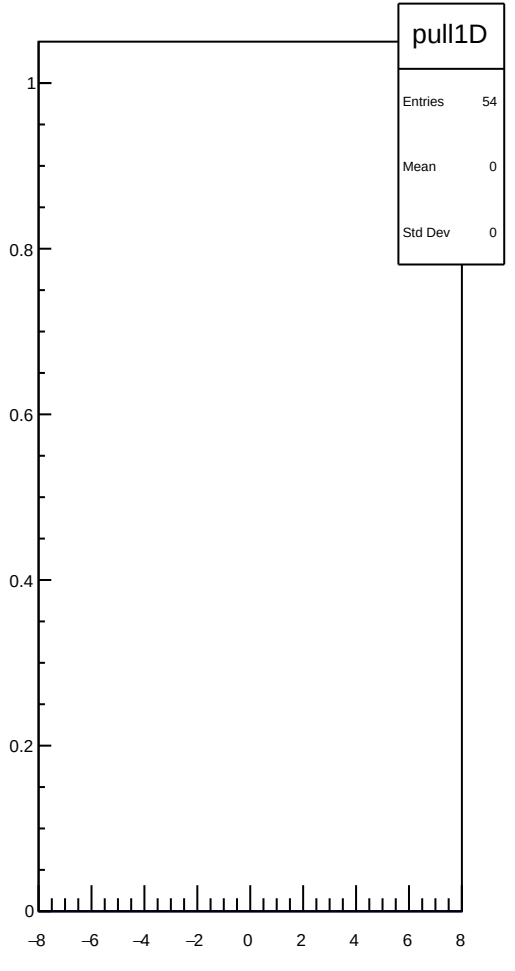

IGL1I00DI24_24M_mean vs run
χ² / ndf 2.454e+04 / 53
p0 16.01± 1.361e−16
17
16.8
16.6
16.4
16.2
16
pull
Entries 54
Mean 27
Std Dev 15.59
0
−5
−10
−15
−20
pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


IGL1I00OD16_16_mean vs run
χ² / ndf 681.6 / 53
p0 17.01± 1.361e−16
18
17.8
17.6
17.4
17.2
17
pull
Entries 54
Mean 27
Std Dev 15.59
3.5
3
2.5
2
1.5
1
0.5
0
pull1D
Entries 54
Mean 3.553
Std Dev4.215e−08
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8


RTPAPOSUCNT_mean vs run
χ² / ndf 4.595e+27 / 53
p0 913 ± 1.361e−16
913.02
913.015
913.01
913.005
913
912.995
912.99
pull
Entries 54
Mean 4.505e+08
Std Dev 0
×10¹²


pull1D
Entries 54
Mean 0
Std Dev 0


RTPAPOSVCNT_mean vs run
χ² / ndf 1.787e+08 / 53
p0 −1403 ± 1.361e−16
−1402
−1402.2
−1402.4
−1402.6
−1402.8
−1403
pull
Entries 54
Mean 27
Std Dev 15.59
1800
1600
1400
1200
1000
800
600
400
200
0


pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
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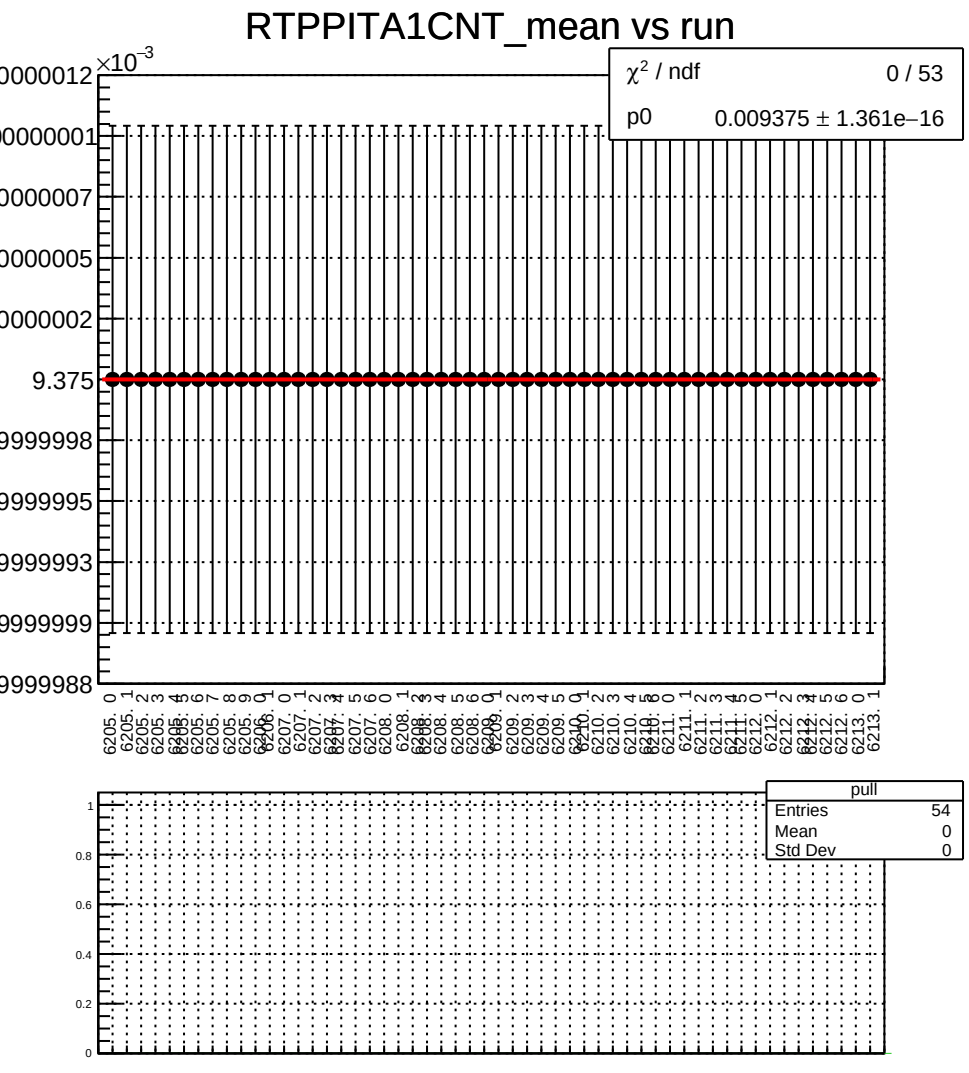
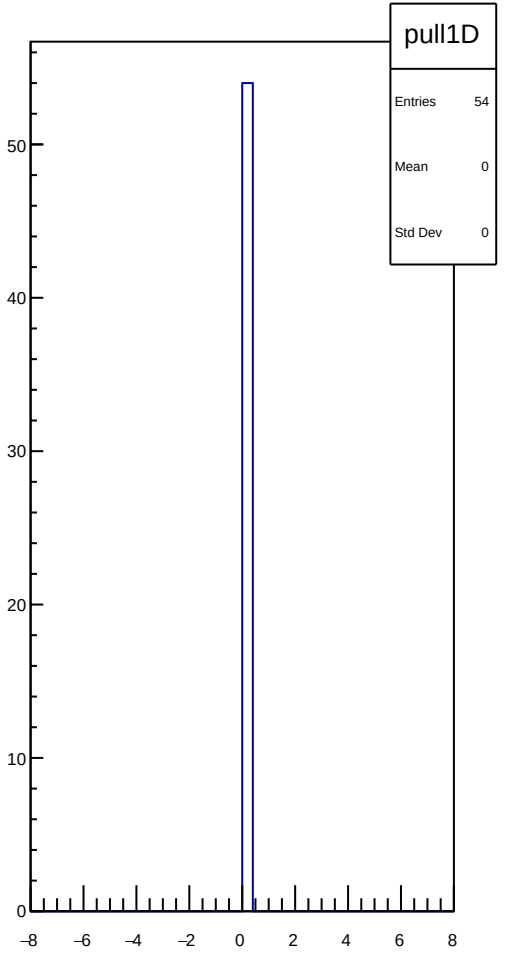
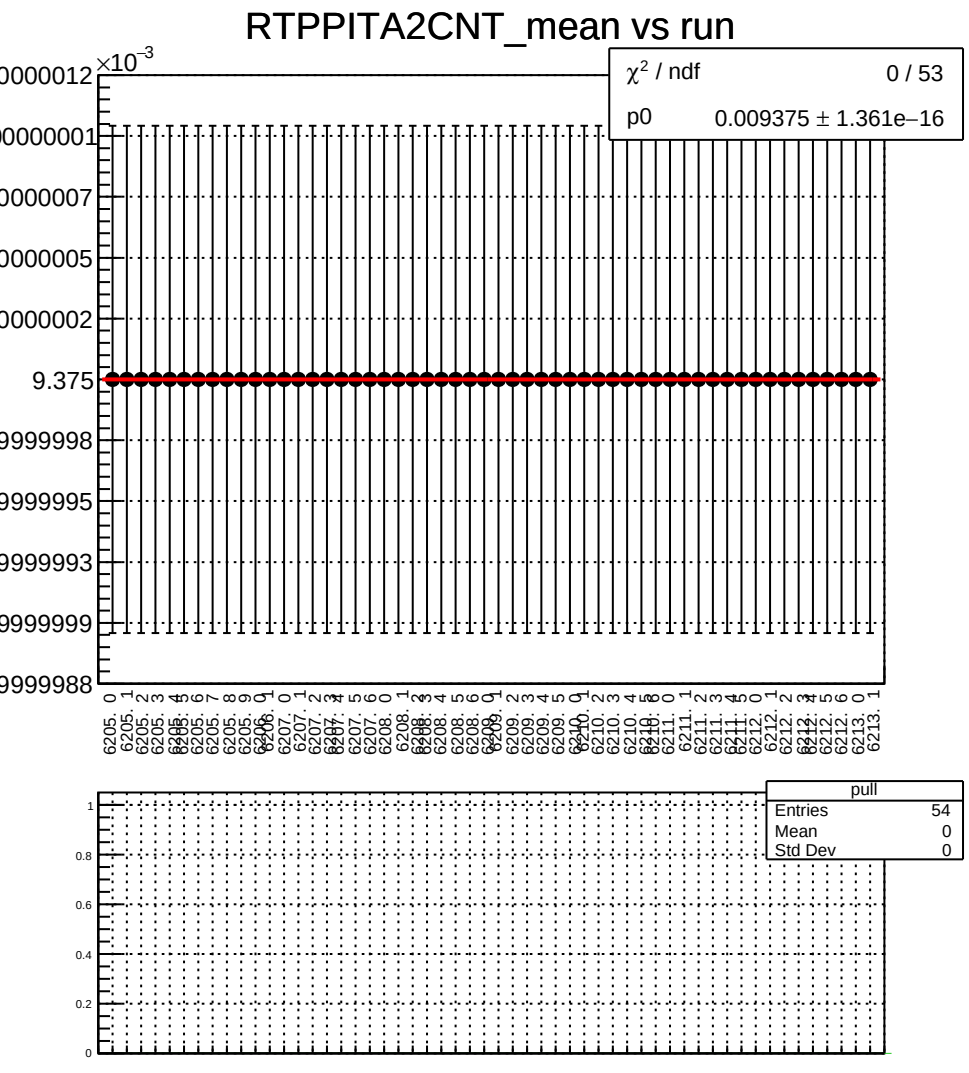
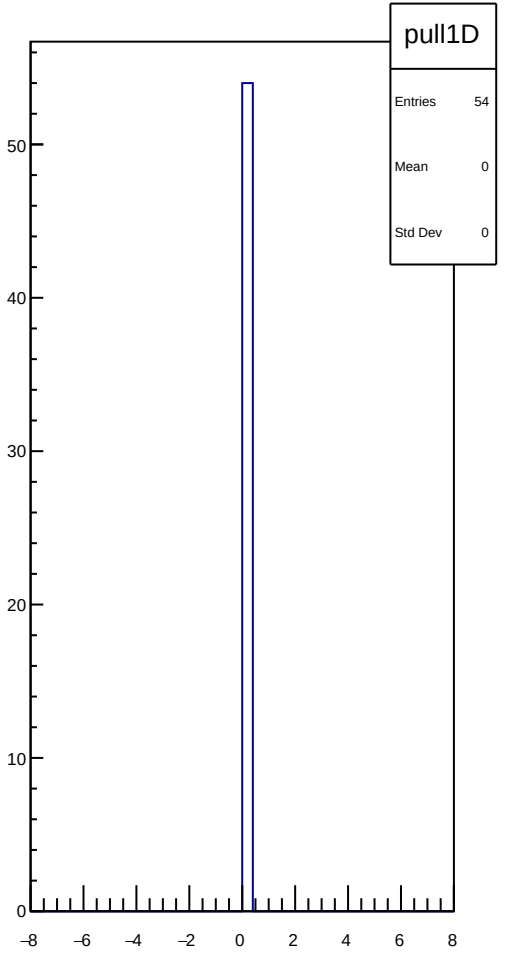
0
2
4
6
8


RTPPITA1CNT_mean vs run
×10⁻³
χ² / ndf 0 / 53
p0 0.009375 ± 1.361e−16
pull
Entries 54
Mean 0
Std Dev 0


pull1D
Entries 54
Mean 0
Std Dev 0


RTPPITA2CNT_mean vs run
×10⁻³
χ² / ndf 0 / 53
p0 0.009375 ± 1.361e−16
pull
Entries 54
Mean 0
Std Dev 0


pull1D
Entries 54
Mean 0
Std Dev 0