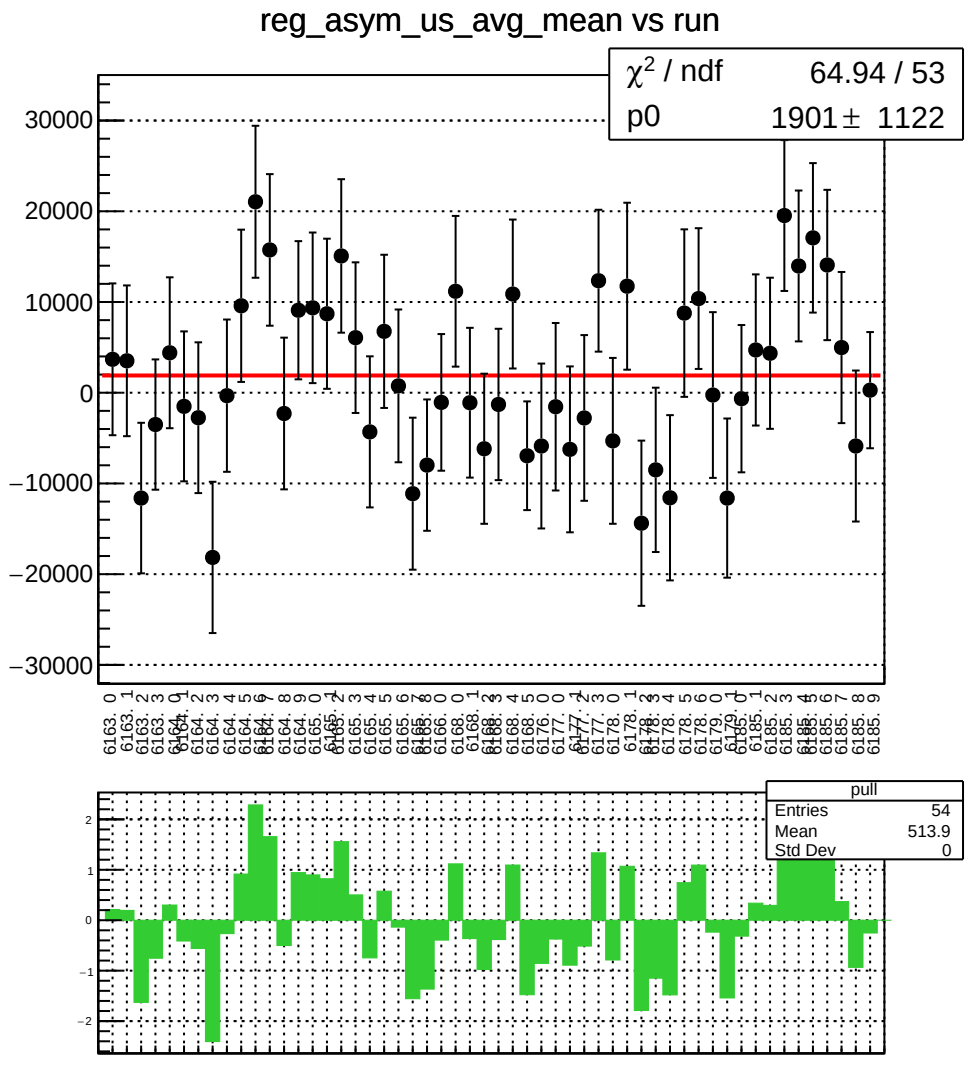
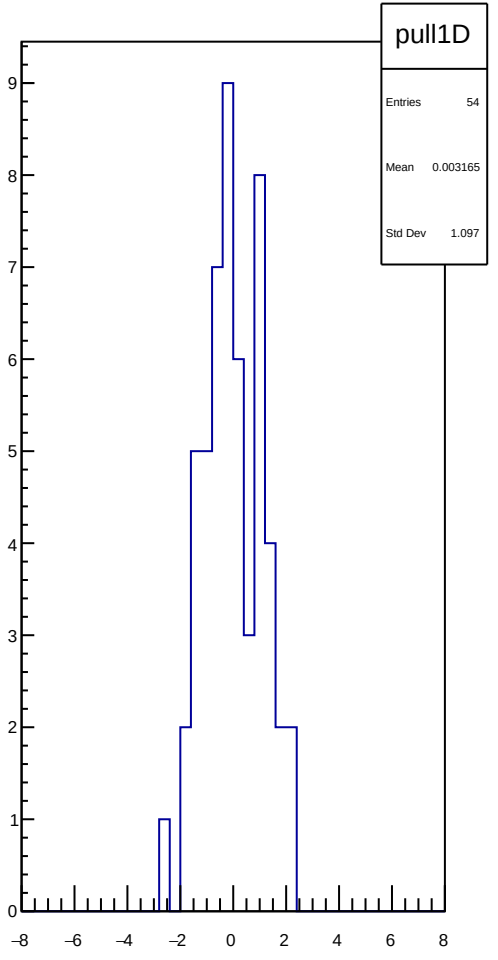
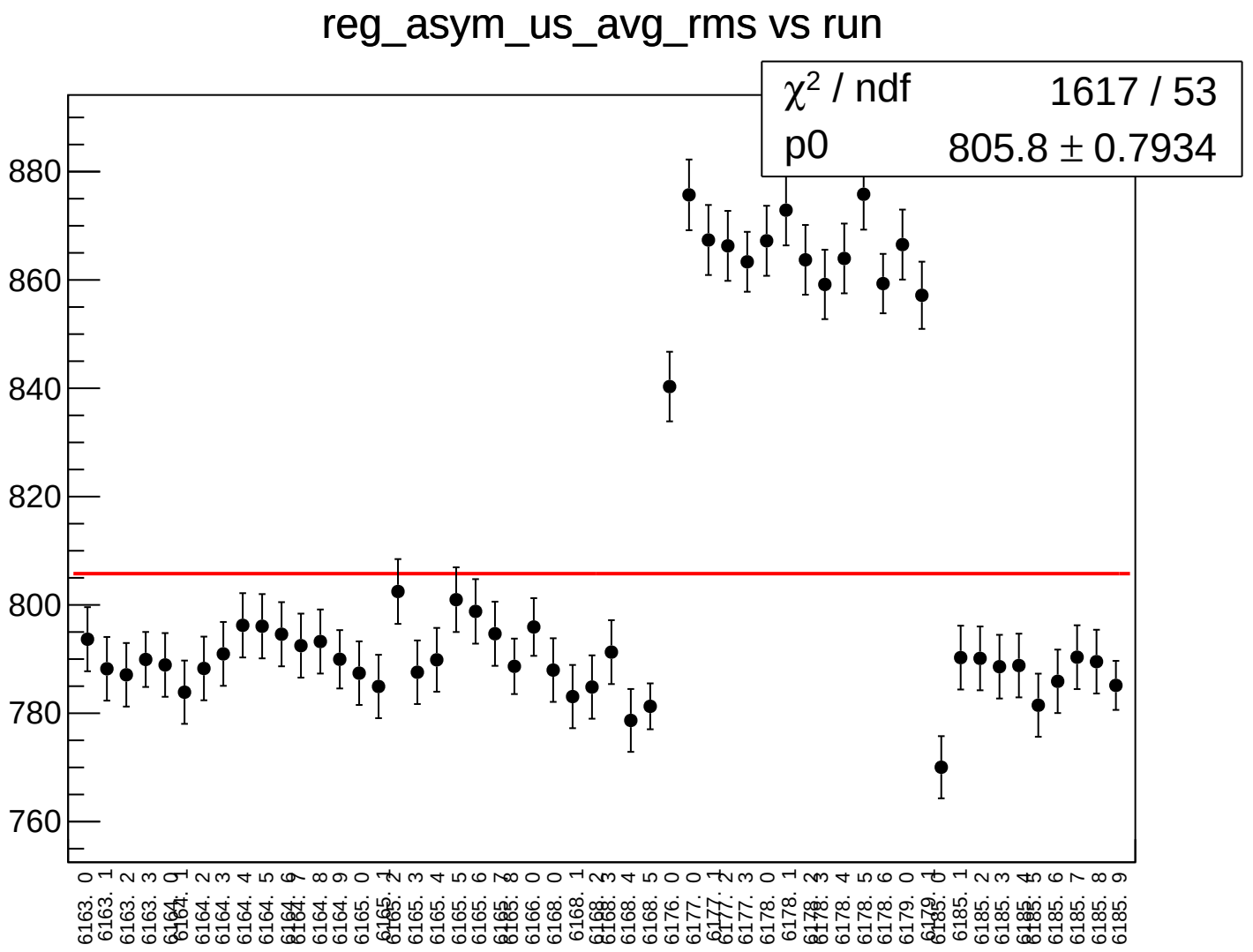
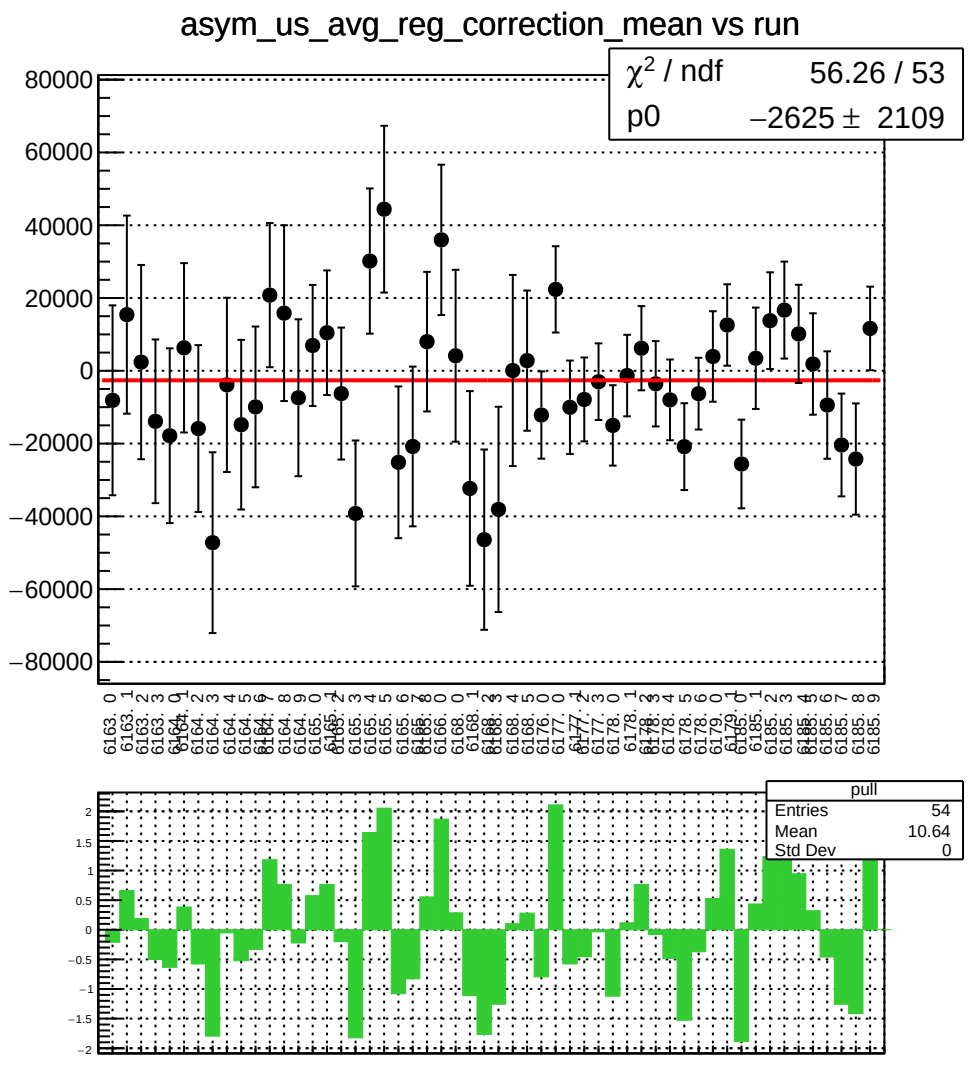
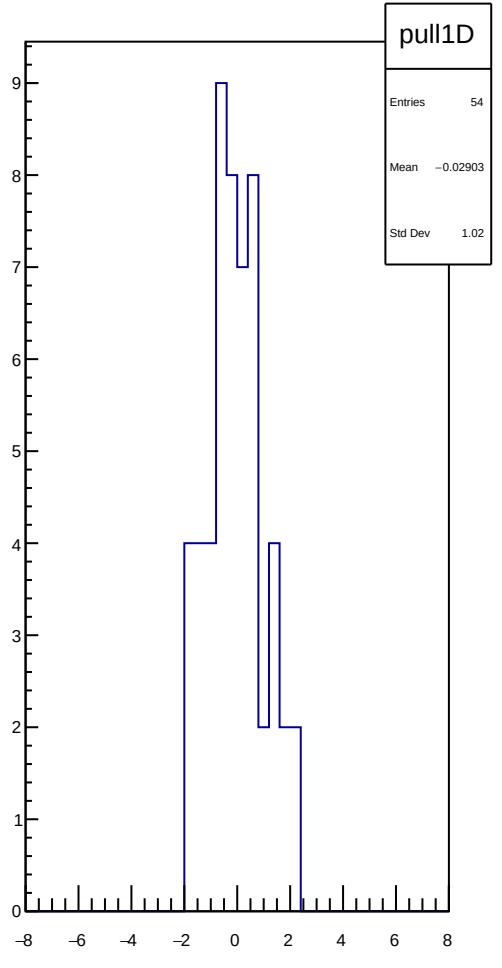
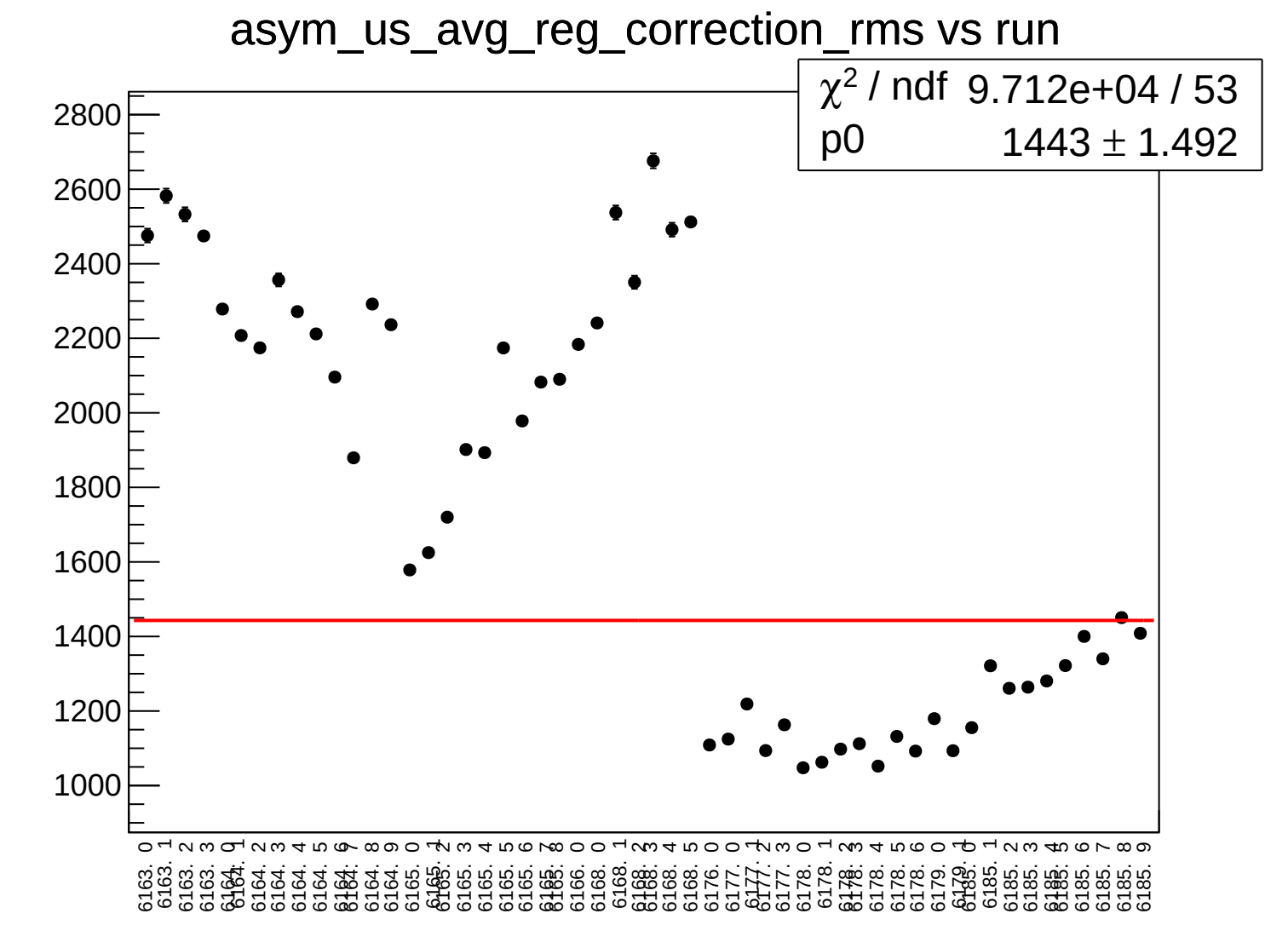

reg_asym_us_avg_mean vs run
χ² / ndf 64.94 / 53
p0 1901 ± 1122
pull
Entries 54
Mean 513.9
Std Dev 0

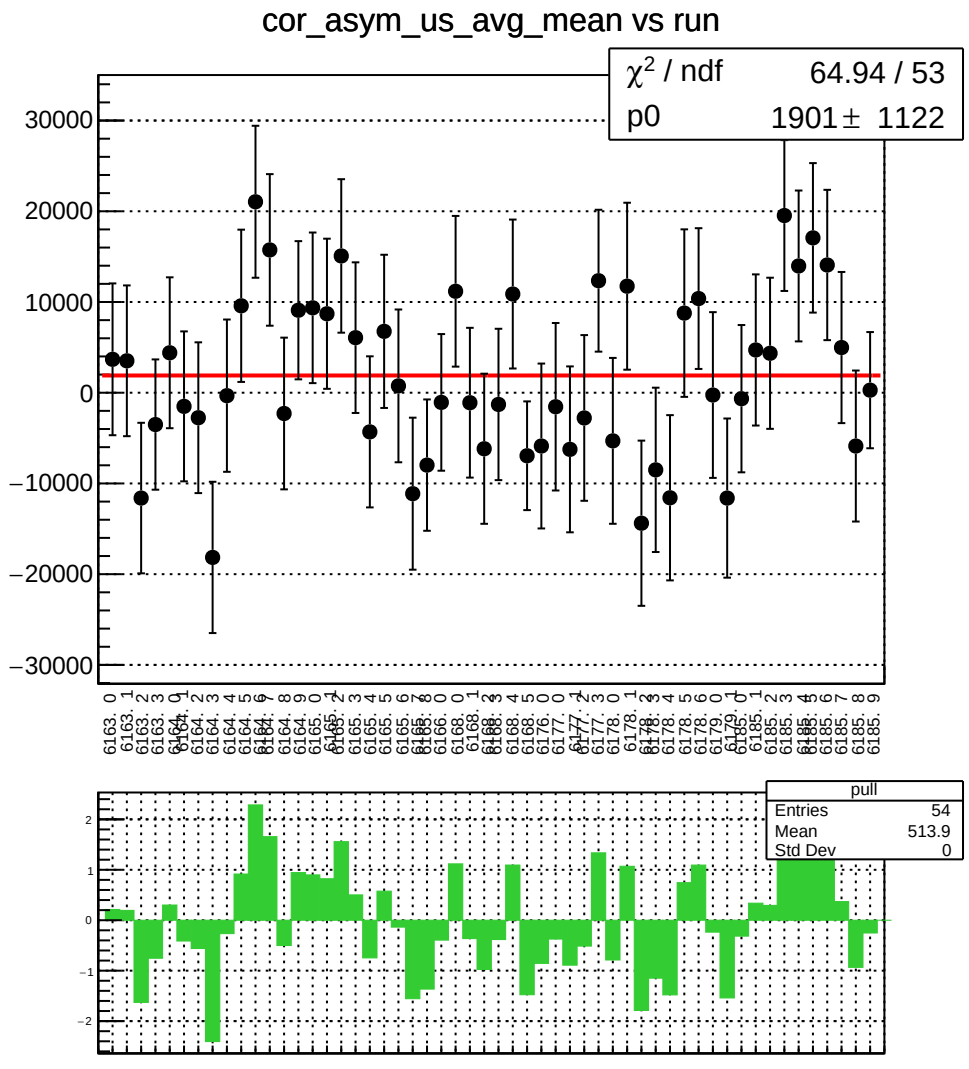

pull1D
Entries 54
Mean 0.003165
Std Dev 1.097

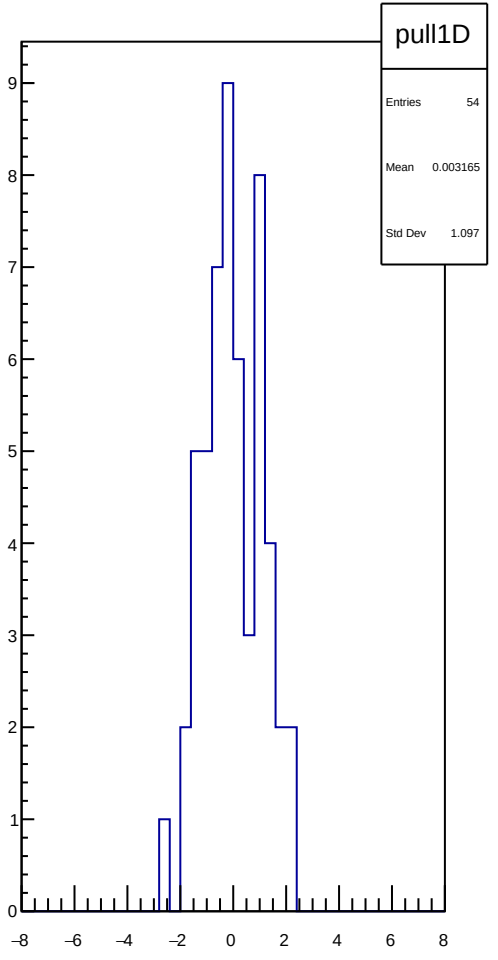

reg_asym_us_avg_rms vs run
χ² / ndf 1617 / 53
p0 805.8 ± 0.7934
880
860
840
820
800
780
760
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

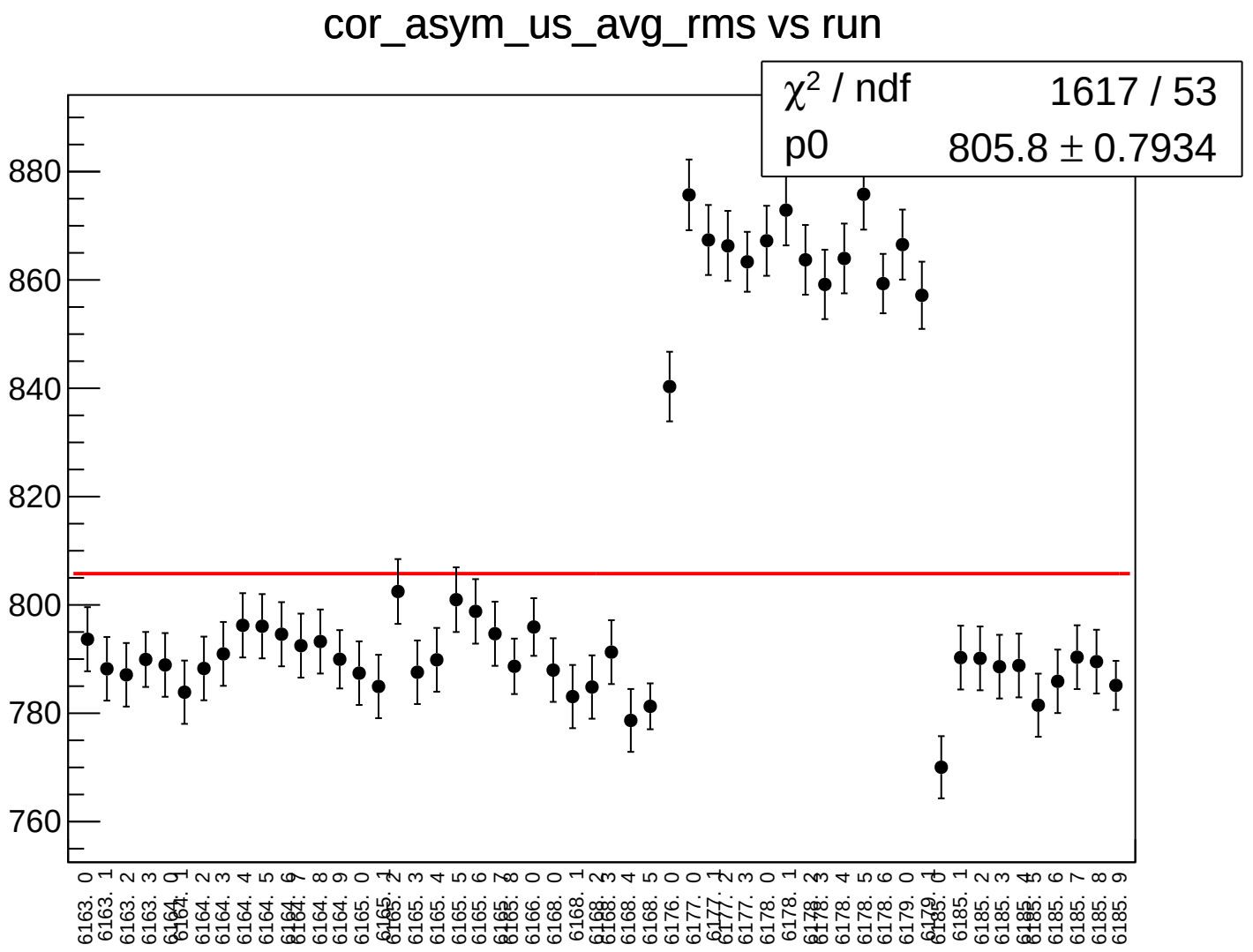

asym_us_avg_reg_correction_mean vs run
χ² / ndf 56.26 / 53
p0 −2625 ± 2109
pull
Entries 54
Mean 10.64
Std Dev 0

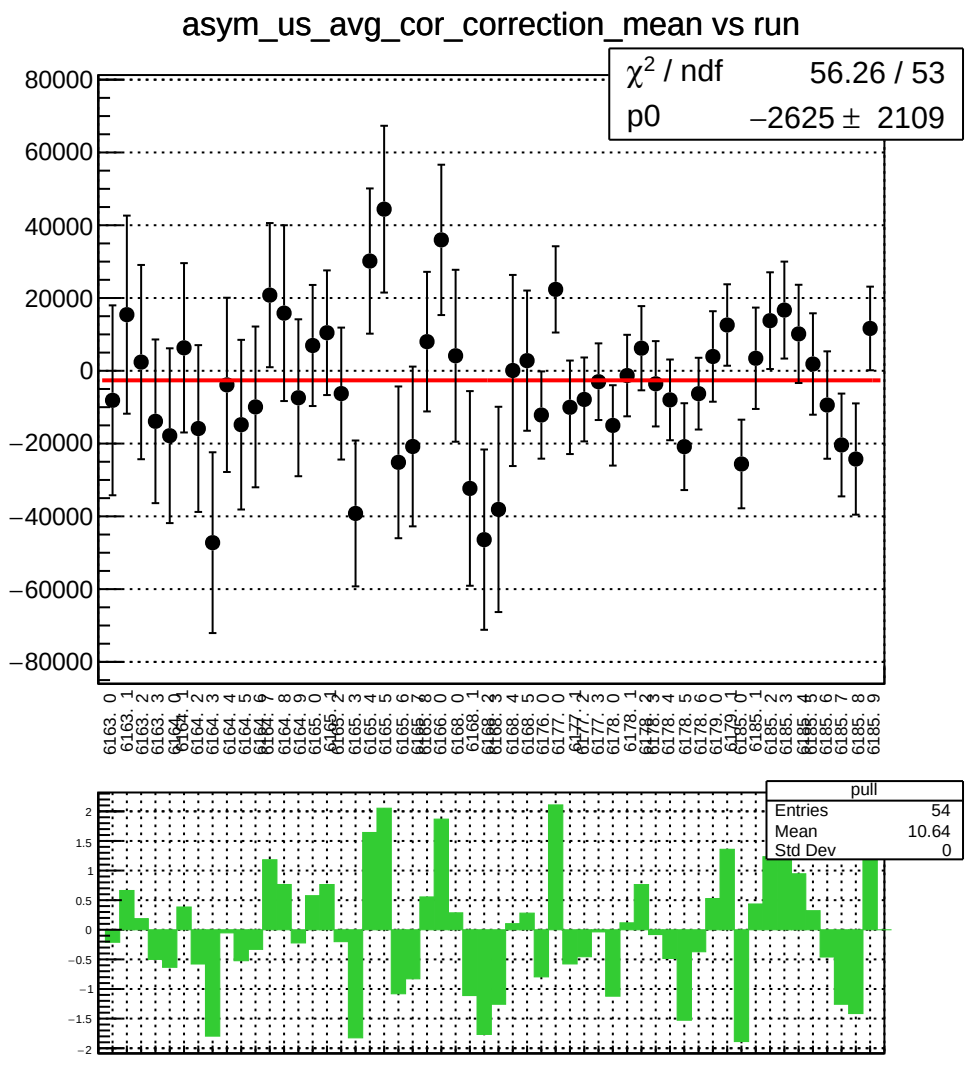

pull1D
Entries 54
Mean −0.02903
Std Dev 1.02

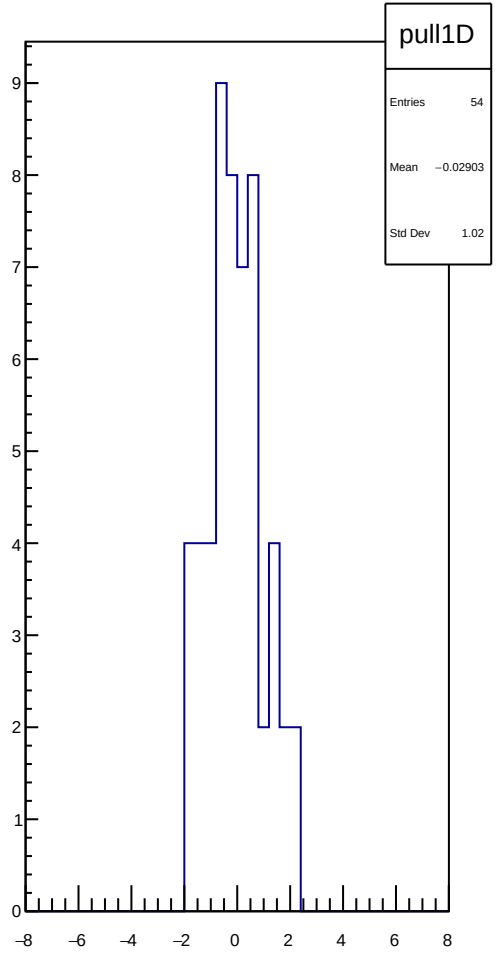

asym_us_avg_reg_correction_rms vs run
χ² / ndf 9.712e+04 / 53
p0 1443 ± 1.492
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

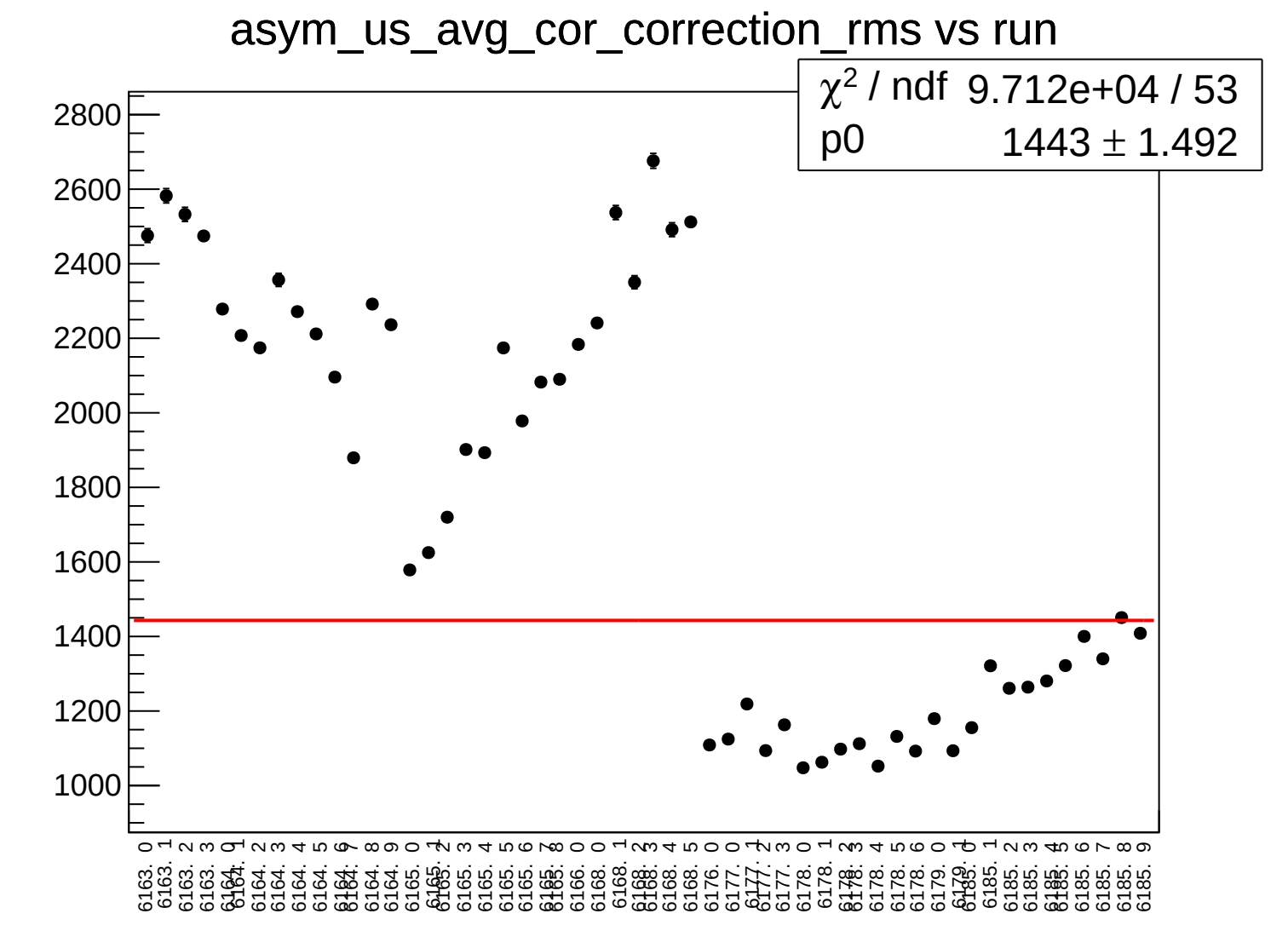

cor_asym_us_avg_mean vs run
χ² / ndf 64.94 / 53
p0 1901 ± 1122
pull
Entries 54
Mean 513.9
Std Dev 0

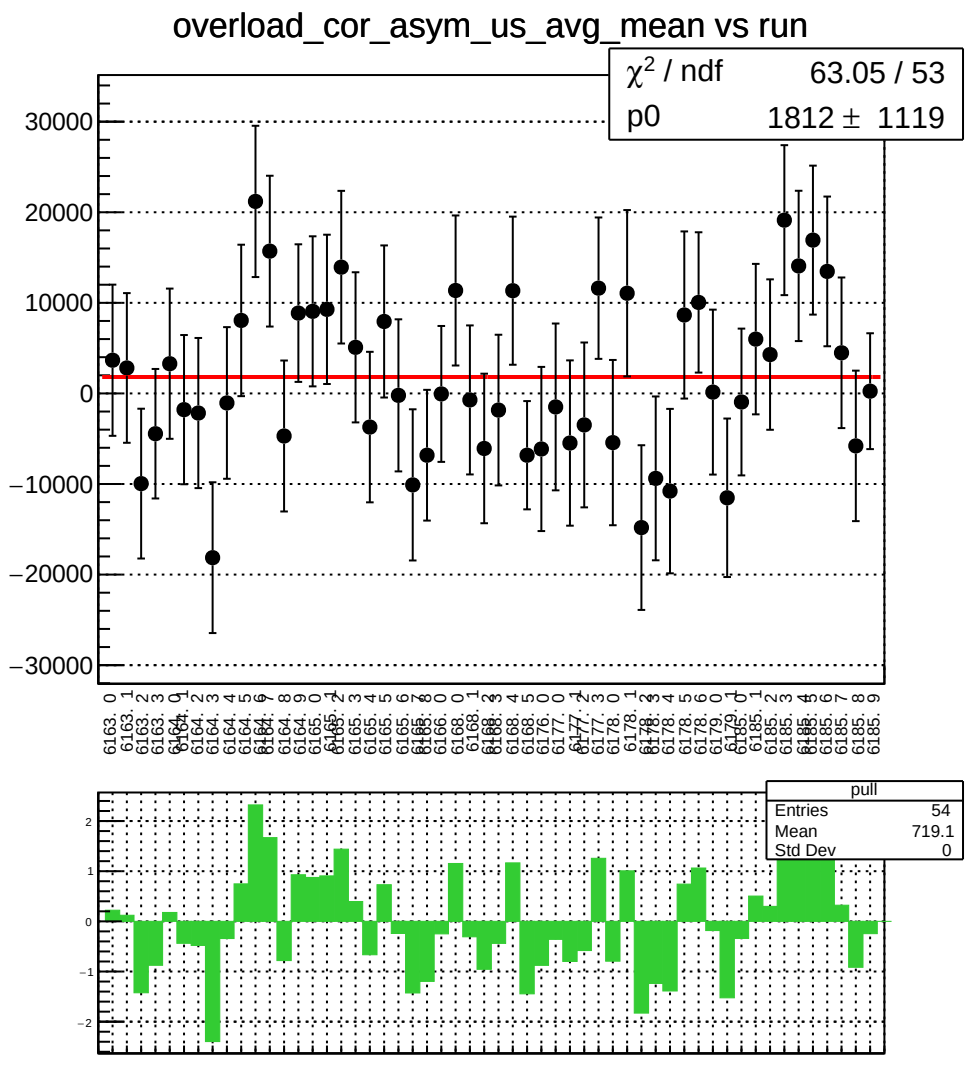

pull1D
Entries 54
Mean 0.003165
Std Dev 1.097

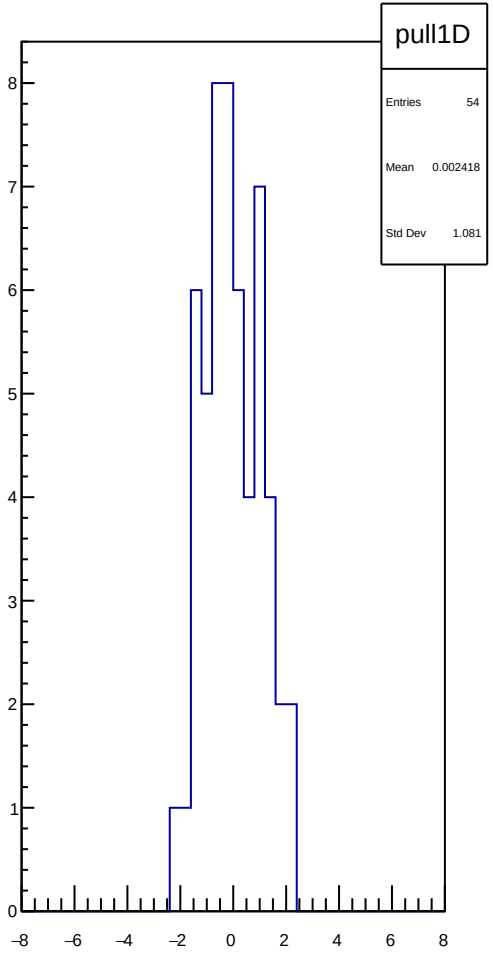

cor_asym_us_avg_rms vs run
χ^2 / ndf 1617 / 53
p0 805.8 ± 0.7934
880
860
840
820
800
780
760
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

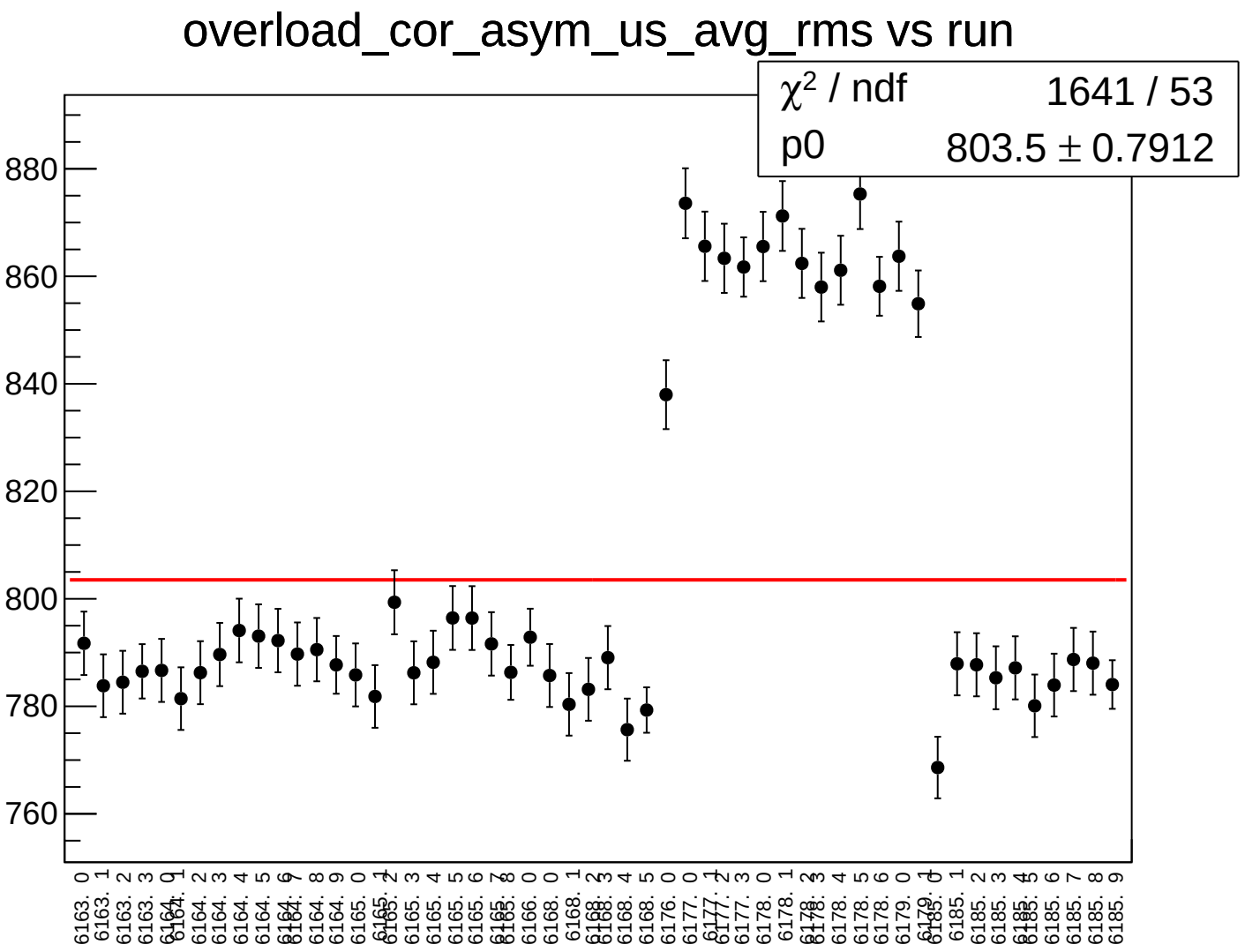

asym_us_avg_cor_correction_mean vs run
χ² / ndf 56.26 / 53
p0 −2625 ± 2109
pull
Entries 54
Mean 10.64
Std Dev 0

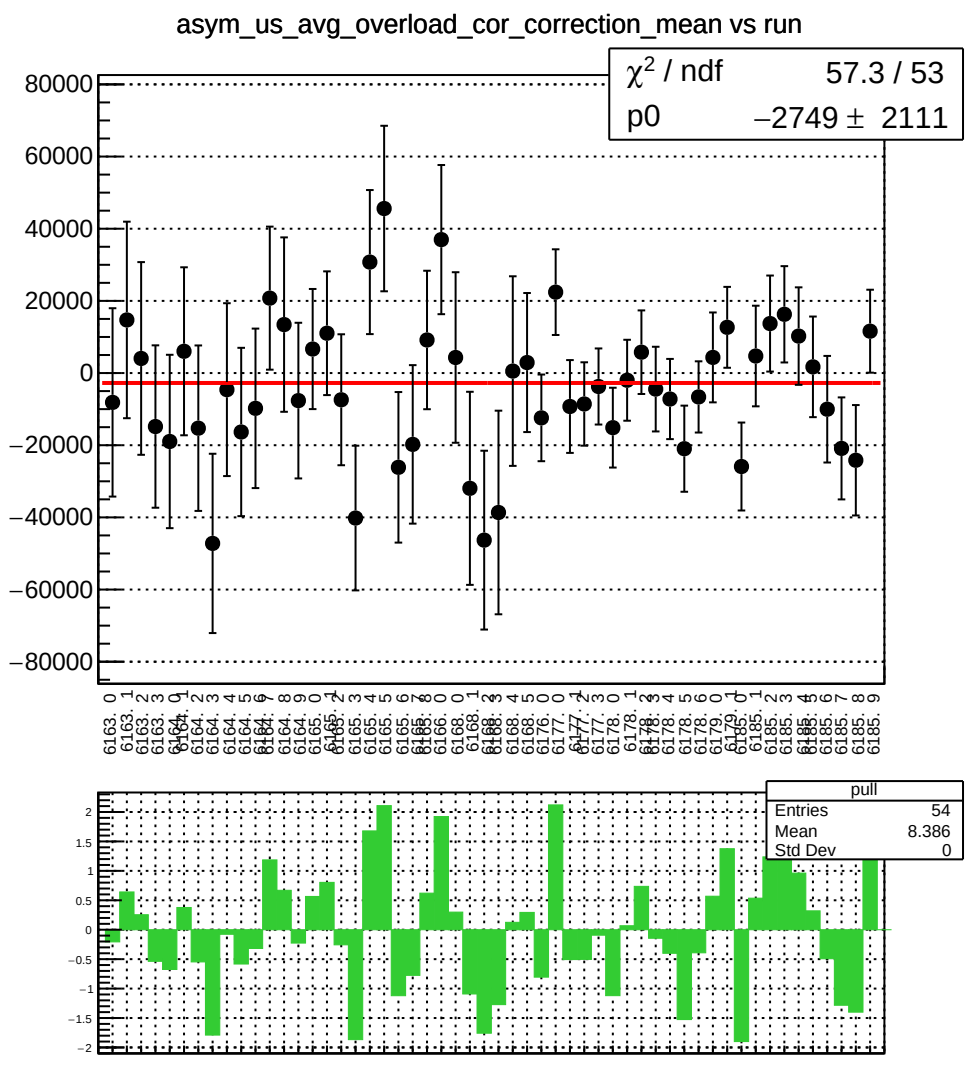

pull1D
Entries 54
Mean −0.02903
Std Dev 1.02

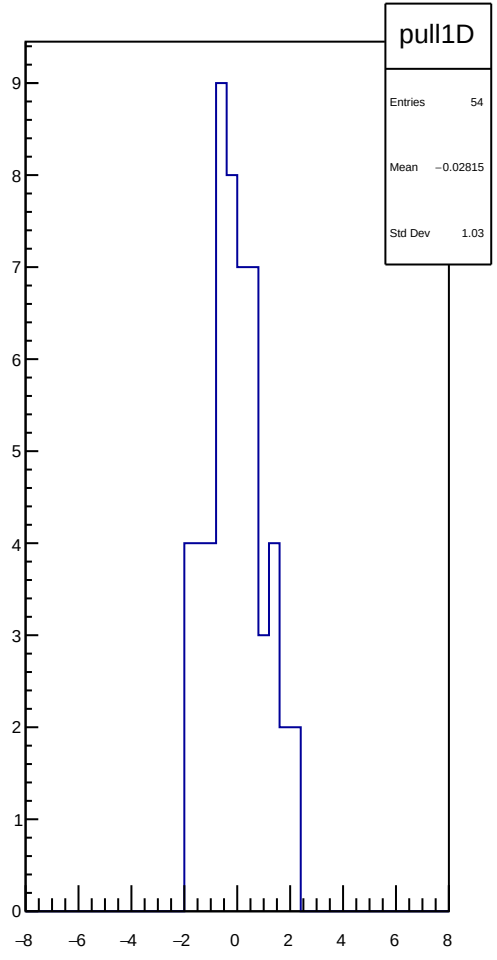

asym_us_avg_cor_correction_rms vs run
χ^2 / ndf 9.712e+04 / 53
p0 1443 ± 1.492
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

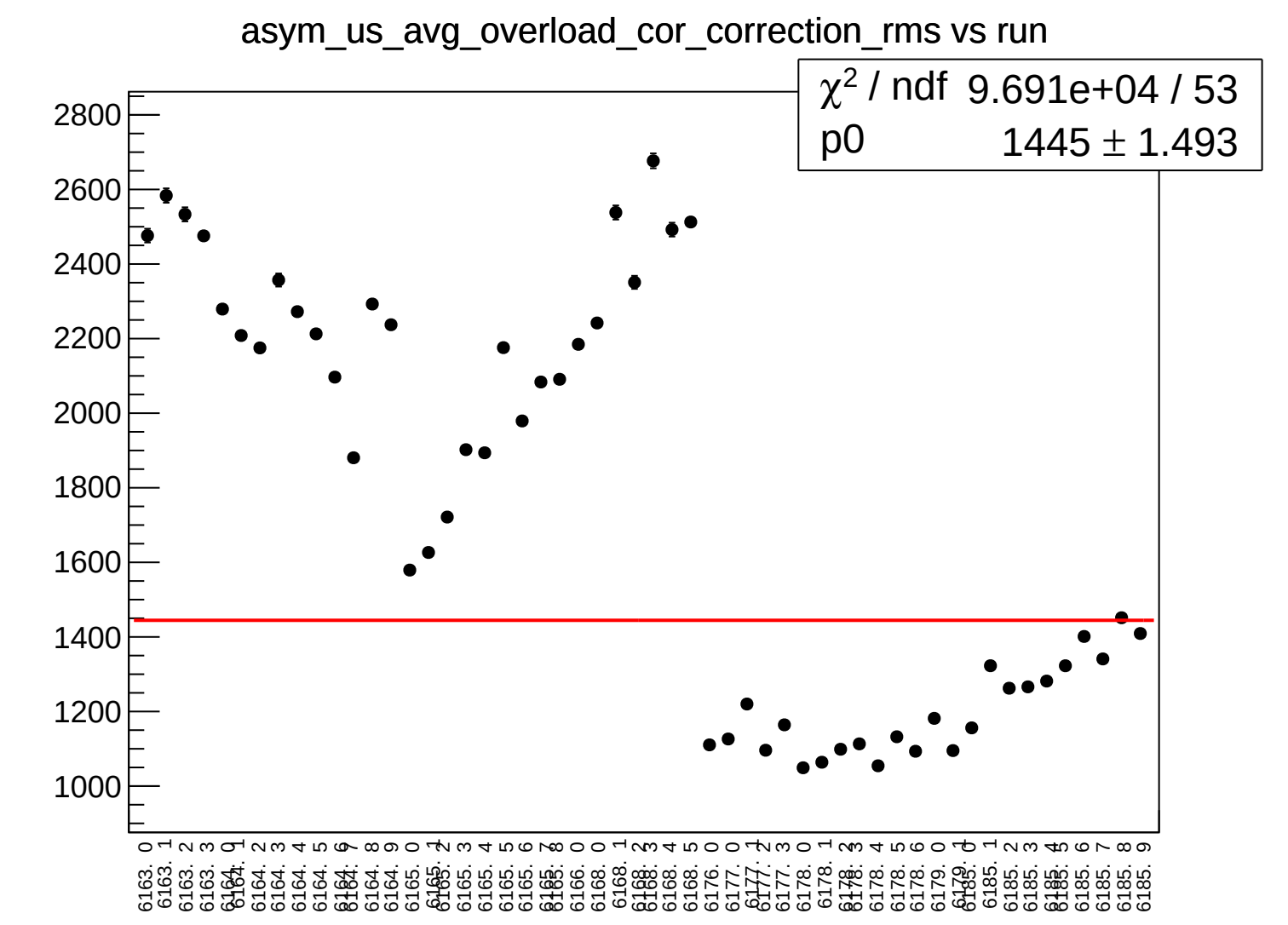

overload_cor_asym_us_avg_mean vs run
χ² / ndf 63.05 / 53
p0 1812 ± 1119
pull
Entries 54
Mean 719.1
Std Dev 0

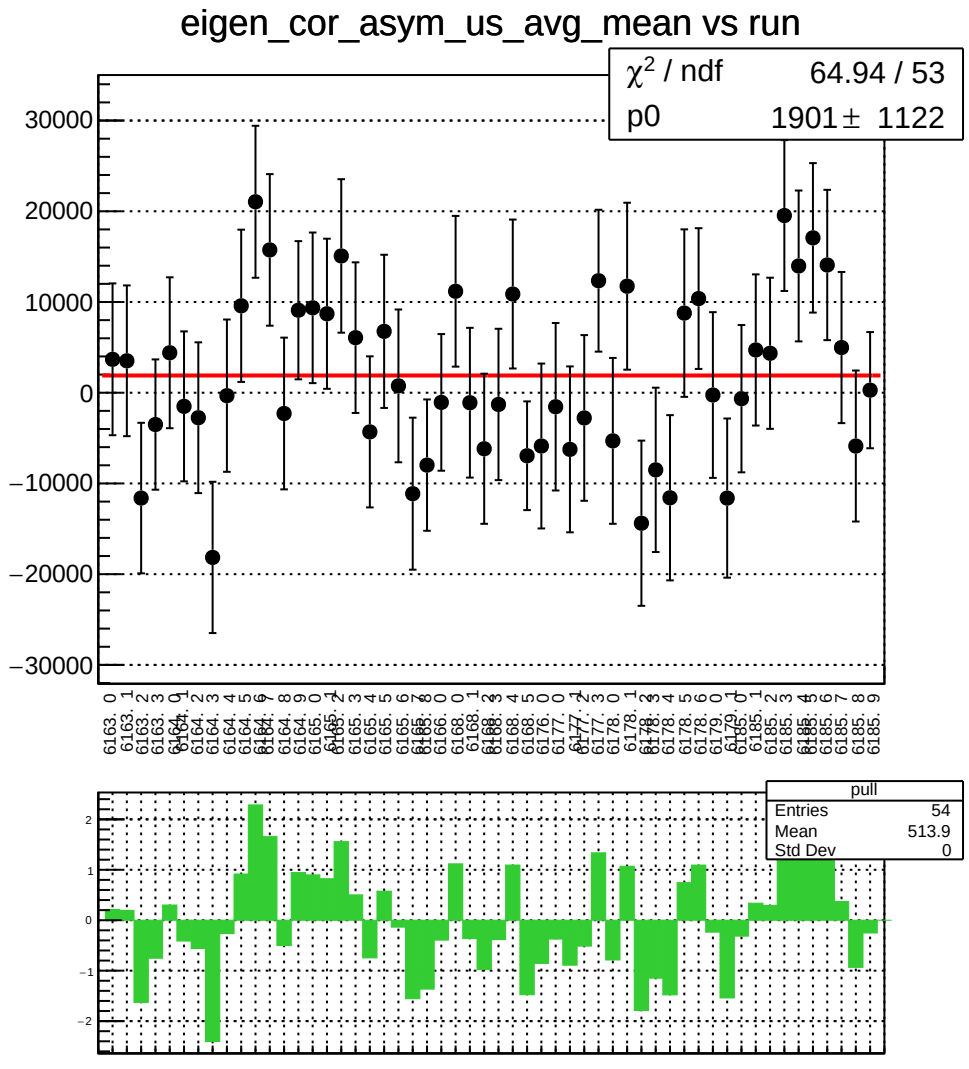

pull1D
Entries 54
Mean 0.002418
Std Dev 1.081

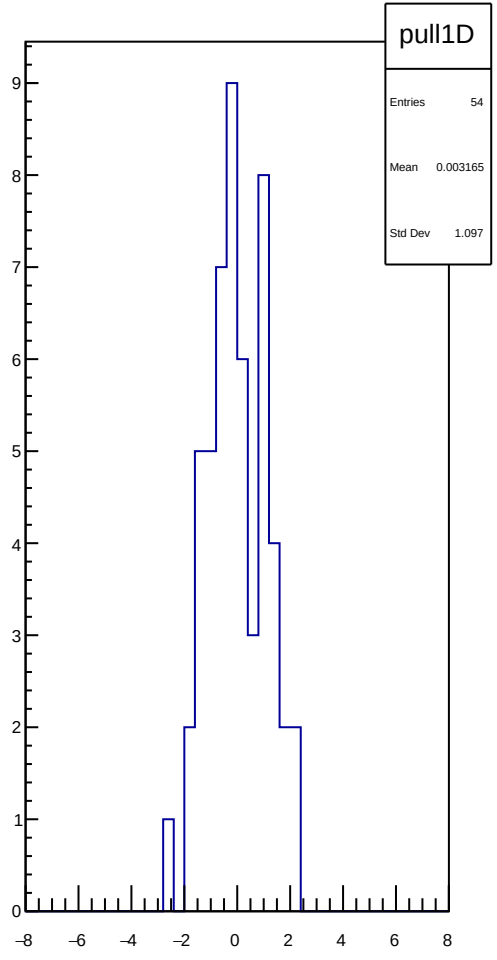

overload_cor_asym_us_avg_rms vs run
χ² / ndf 1641 / 53
p0 803.5 ± 0.7912
880
860
840
820
800
780
760
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

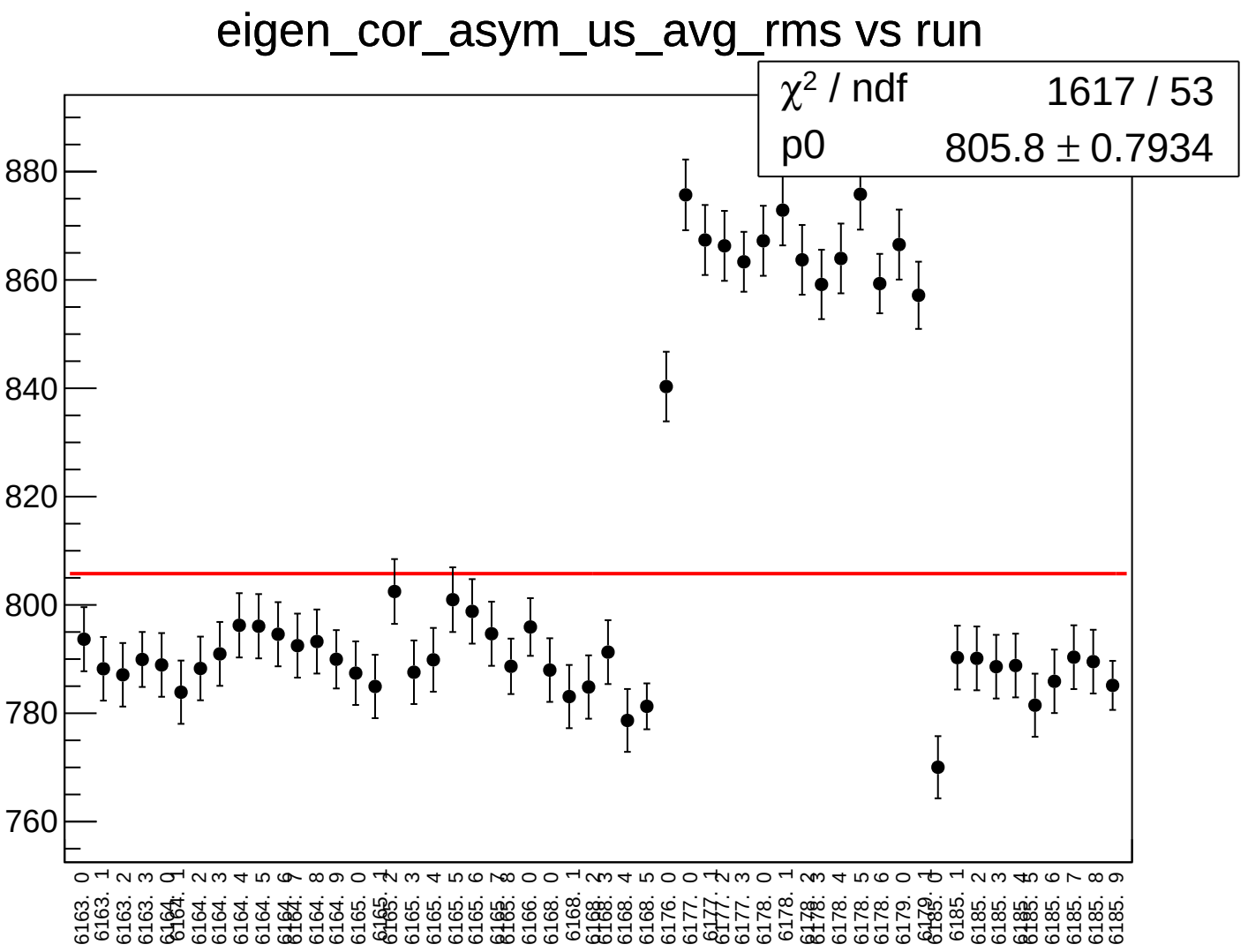

asym_us_avg_overload_cor_correction_mean vs run
χ² / ndf 57.3 / 53
p0 −2749 ± 2111
pull
Entries 54
Mean 8.386
Std Dev 0

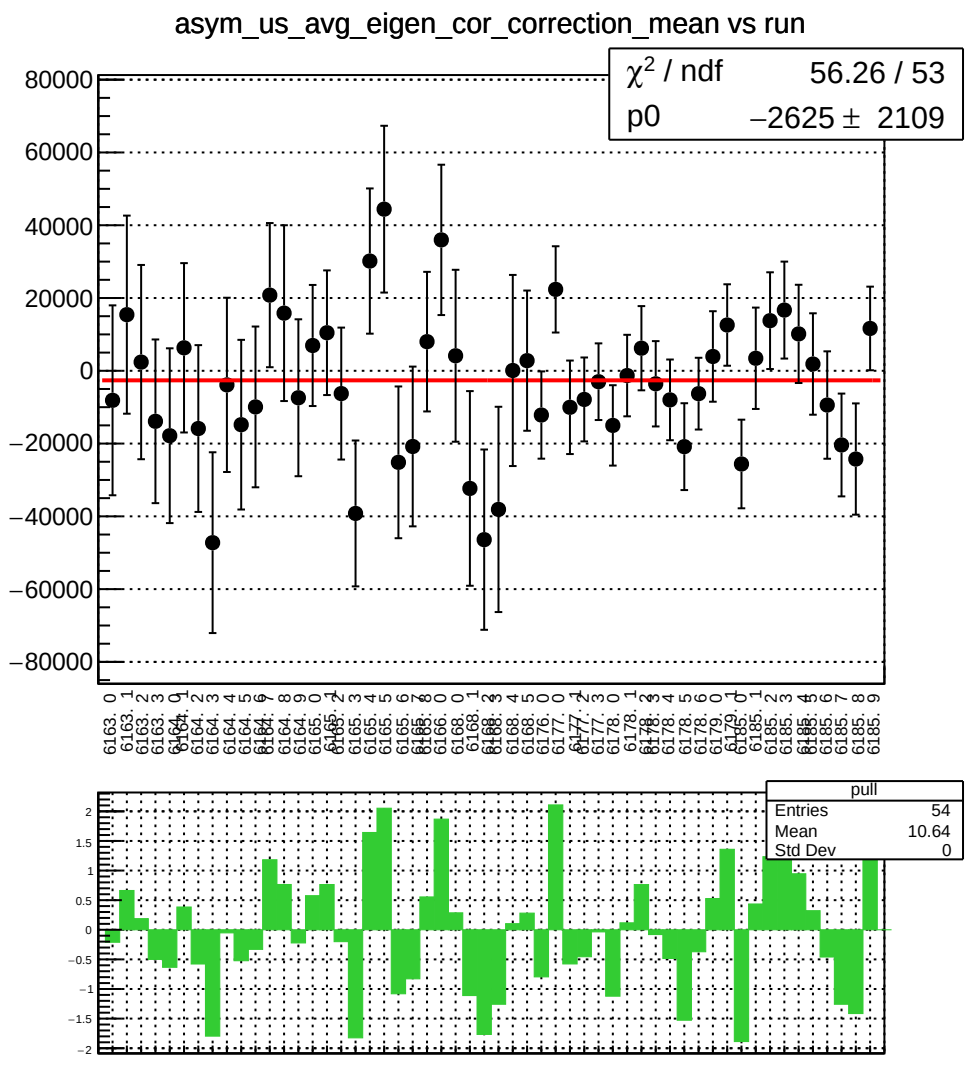

pull1D
Entries 54
Mean −0.02815
Std Dev 1.03

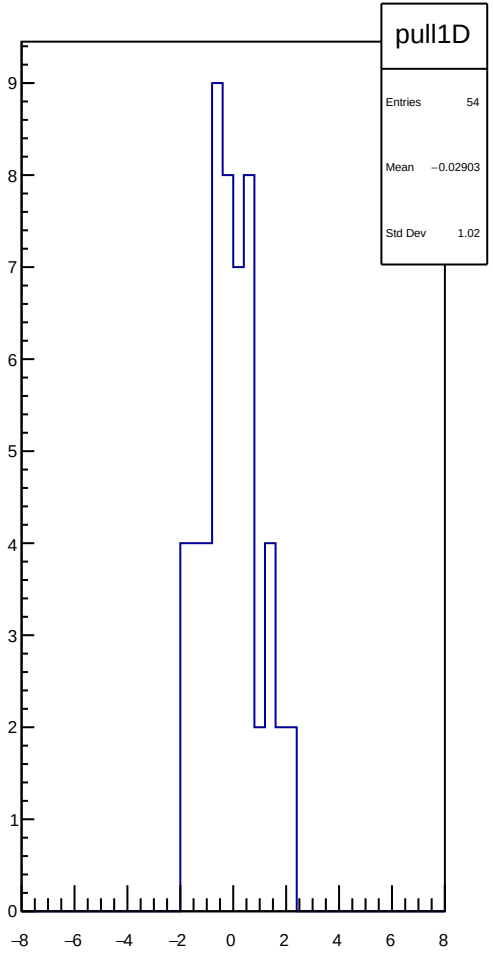

asym_us_avg_overload_cor_correction_rms vs run
χ² / ndf 9.691e+04 / 53
p0 1445 ± 1.493
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

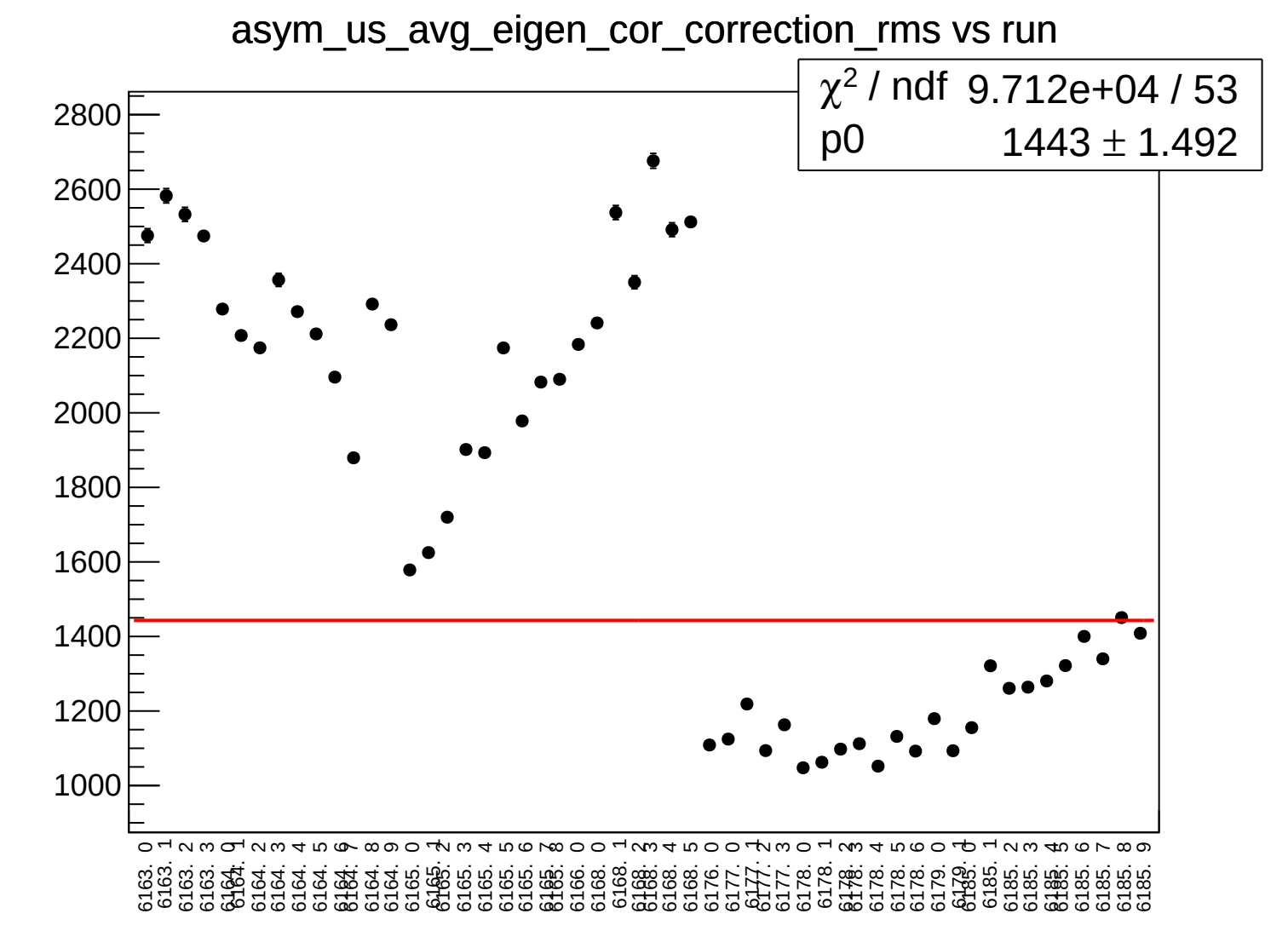

eigen_cor_asym_us_avg_mean vs run
χ² / ndf 64.94 / 53
p0 1901 ± 1122
pull
Entries 54
Mean 513.9
Std Dev 0


pull1D
Entries 54
Mean 0.003165
Std Dev 1.097


eigen_cor_asym_us_avg_rms vs run
χ² / ndf 1617 / 53
p0 805.8 ± 0.7934
880
860
840
820
800
780
760
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


asym_us_avg_eigen_cor_correction_mean vs run
χ² / ndf 56.26 / 53
p0 −2625 ± 2109
pull
Entries 54
Mean 10.64
Std Dev 0


pull1D
Entries 54
Mean −0.02903
Std Dev 1.02


asym_us_avg_eigen_cor_correction_rms vs run
χ² / ndf 9.712e+04 / 53
p0 1443 ± 1.492
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
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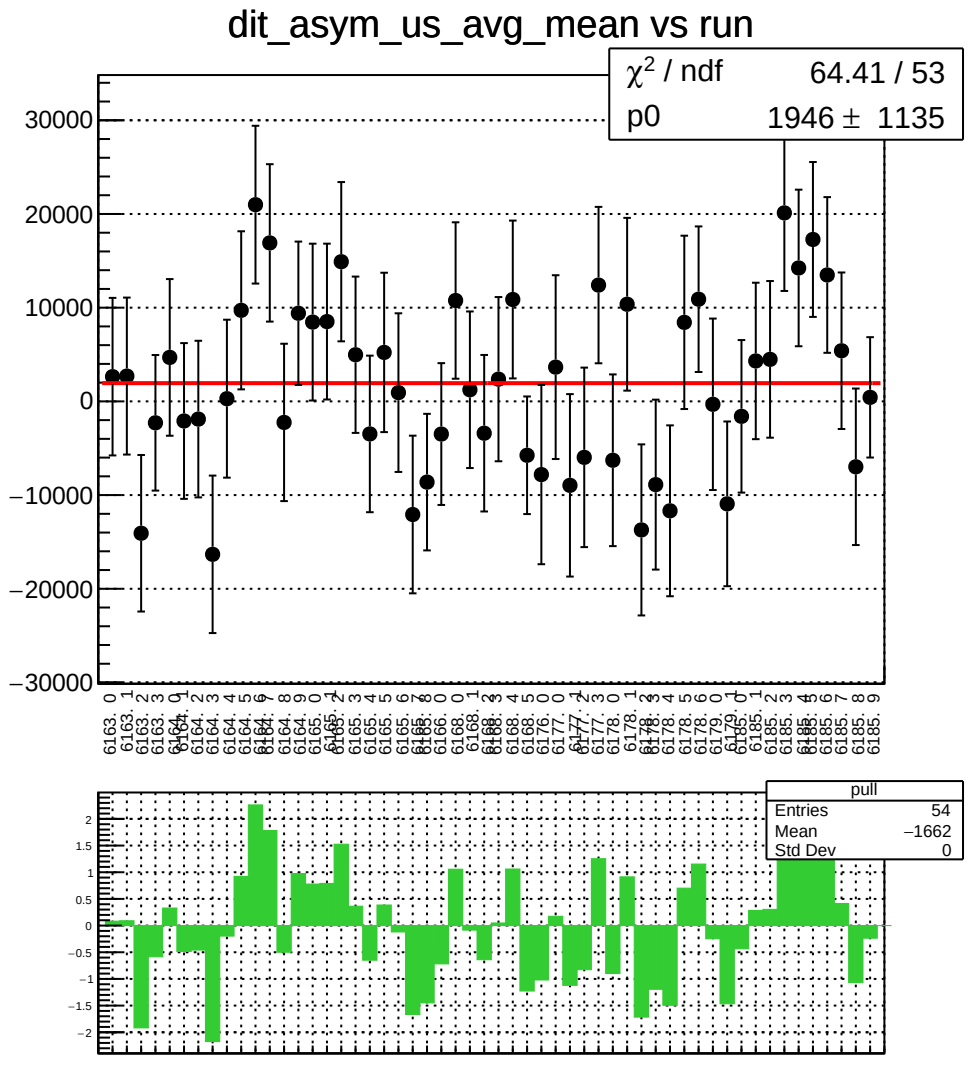
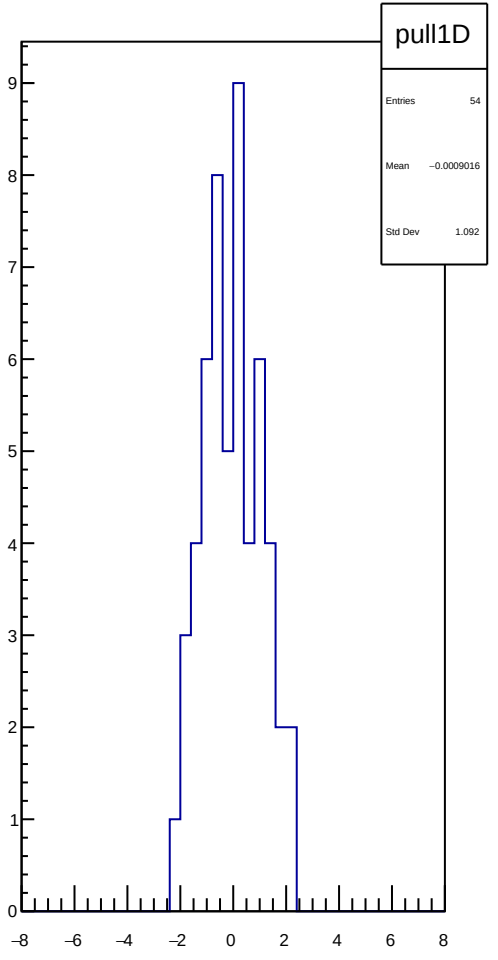
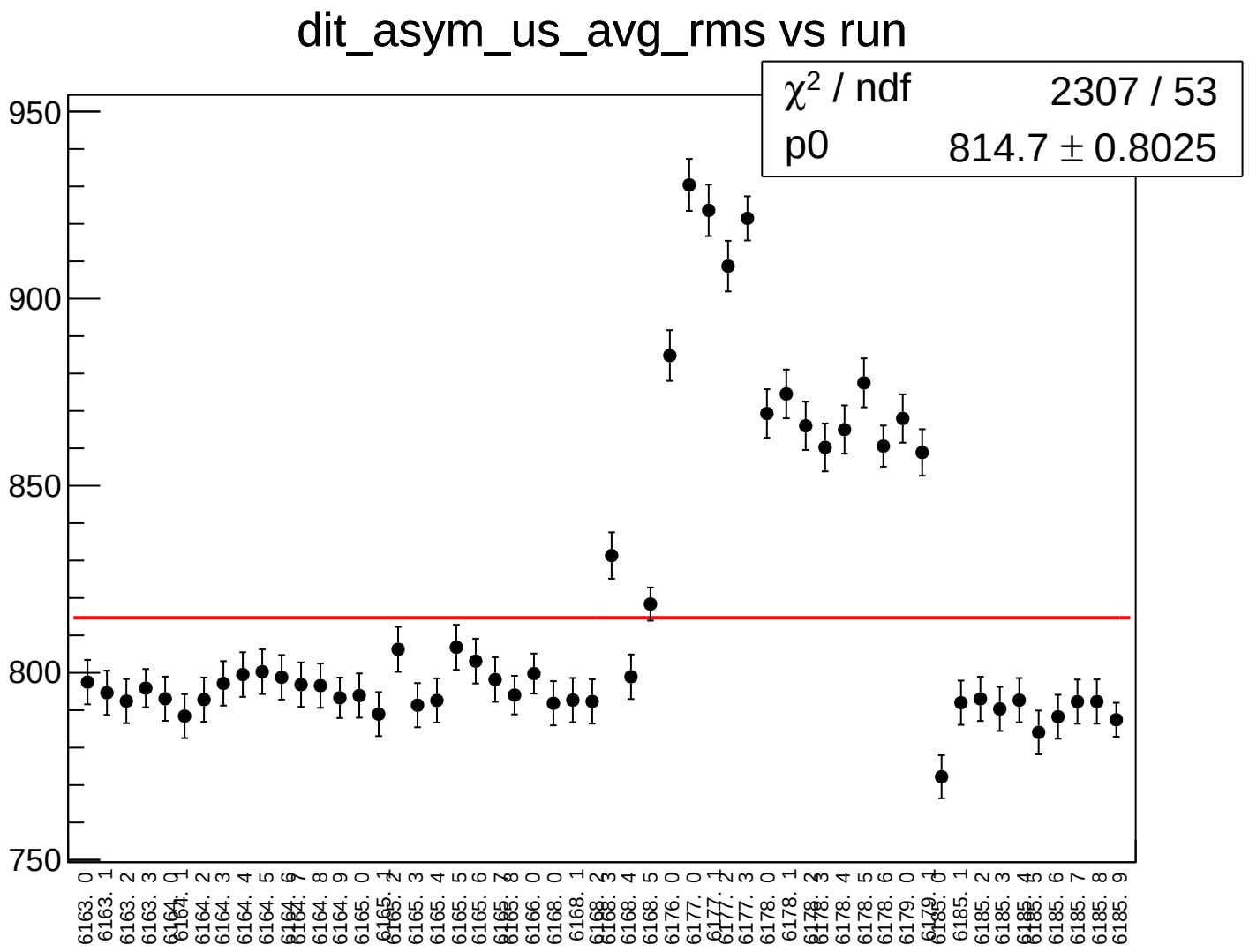
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


dit_asym_us_avg_mean vs run
χ² / ndf 64.41 / 53
p0 1946 ± 1135
pull
Entries 54
Mean −1662
Std Dev 0


pull1D
Entries 54
Mean −0.0009016
Std Dev 1.092


dit_asym_us_avg_rms vs run
χ² / ndf 2307 / 53
p0 814.7 ± 0.8025
950
900
850
800
750
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
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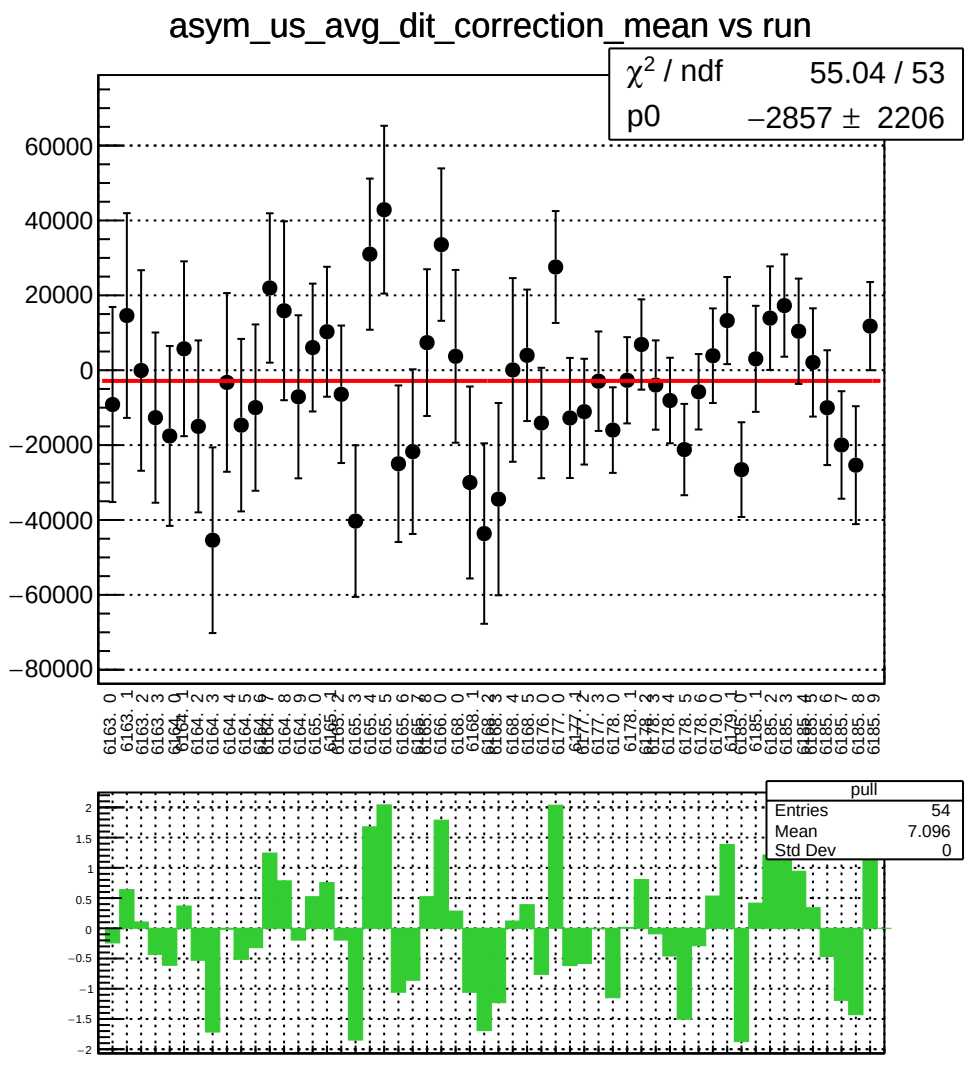
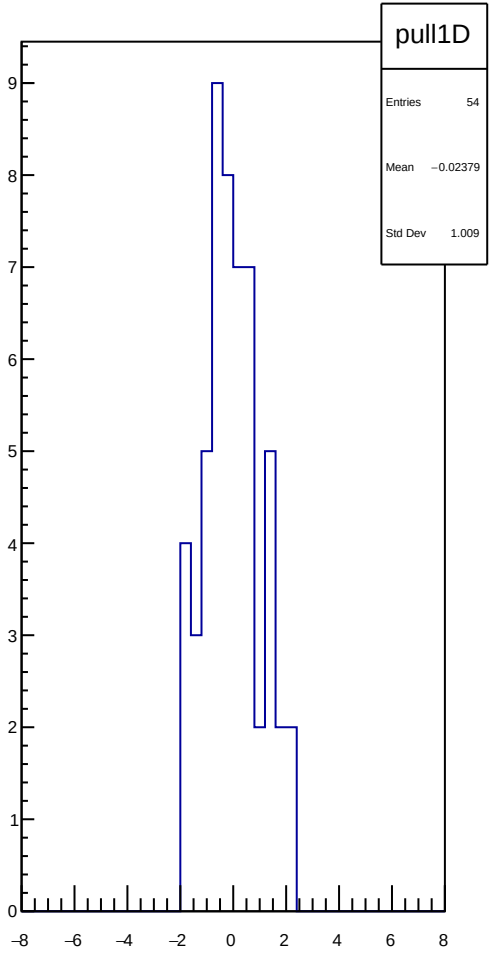
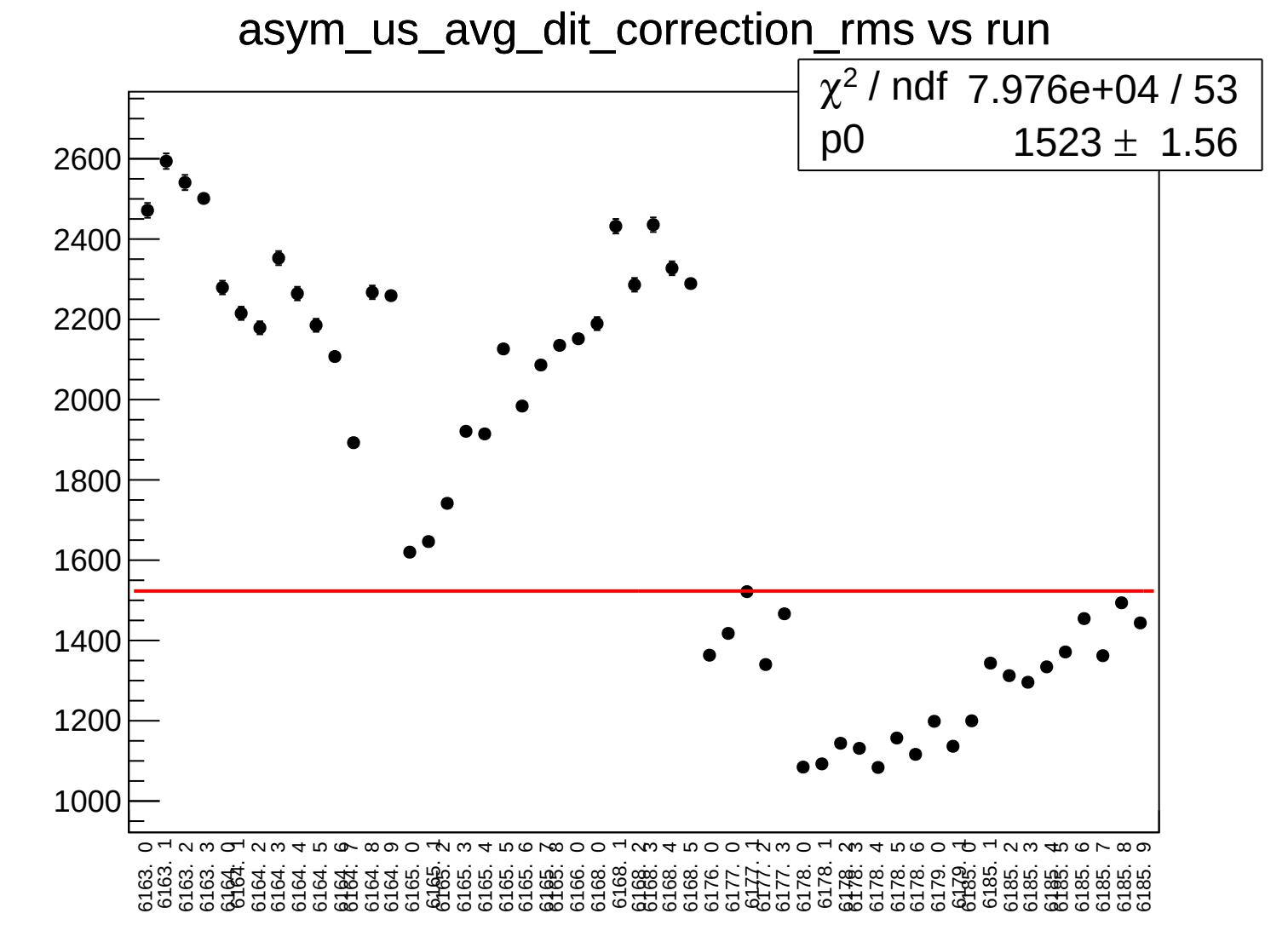
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


asym_us_avg_dit_correction_mean vs run
χ² / ndf 55.04 / 53
p0 −2857 ± 2206
pull
Entries 54
Mean 7.096
Std Dev 0


pull1D
Entries 54
Mean −0.02379
Std Dev 1.009


asym_us_avg_dit_correction_rms vs run
χ² / ndf 7.976e+04 / 53
p0 1523 ± 1.56
2600
2400
2200
2000
1800
1600
1400
1200
1000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
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6179. 0
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6185. 2
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6185. 6
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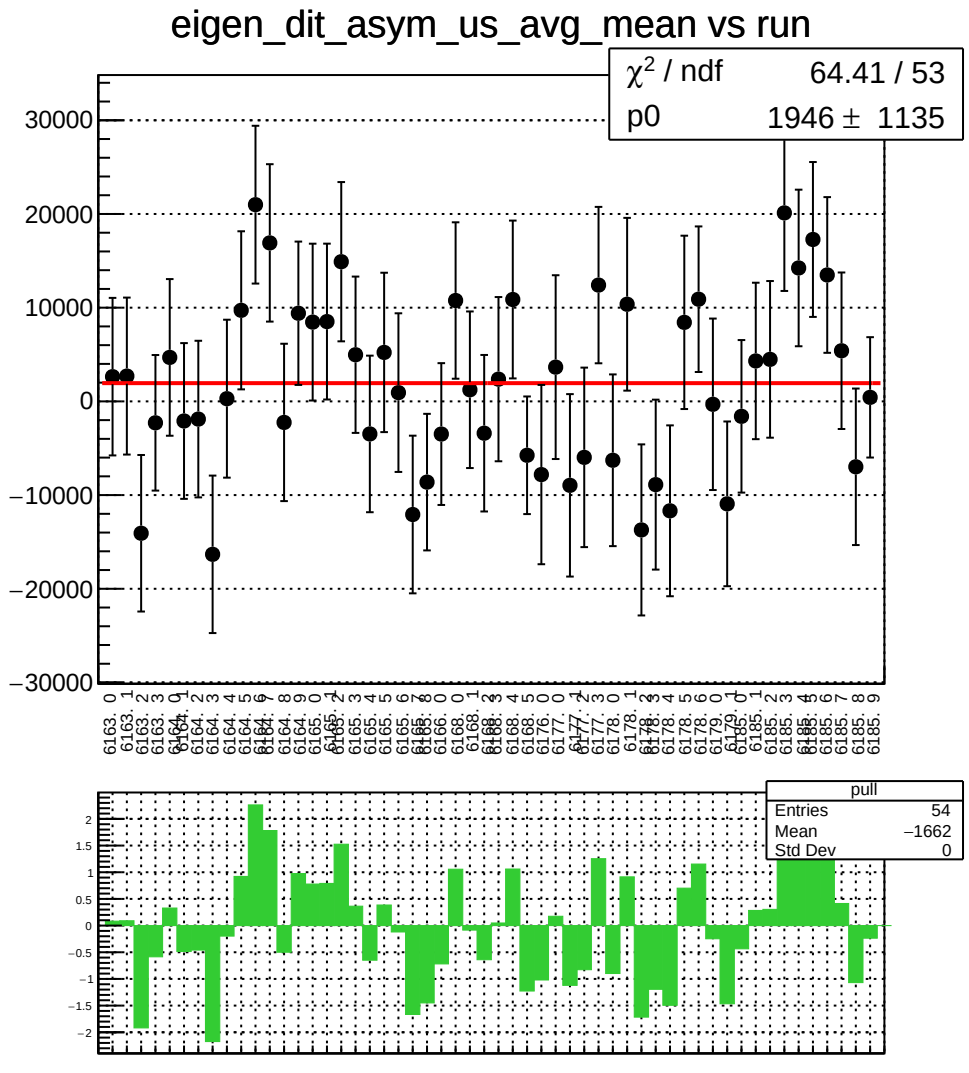
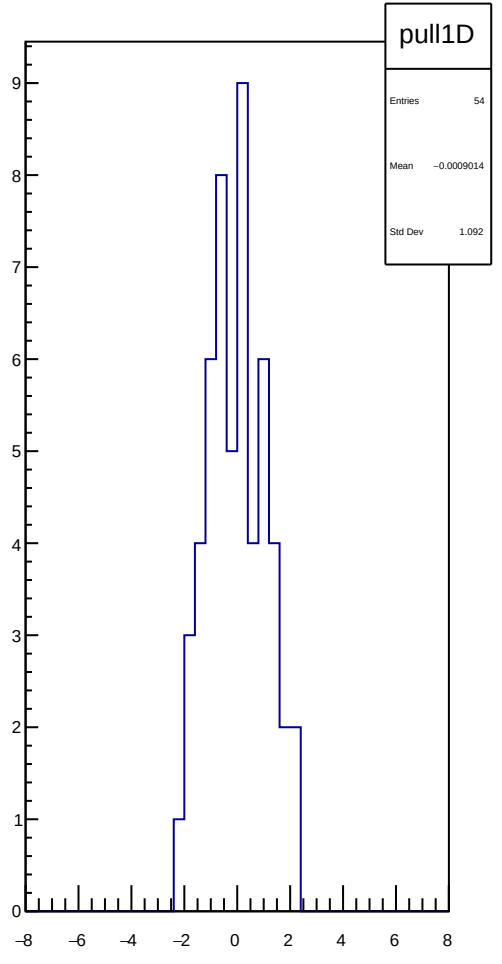
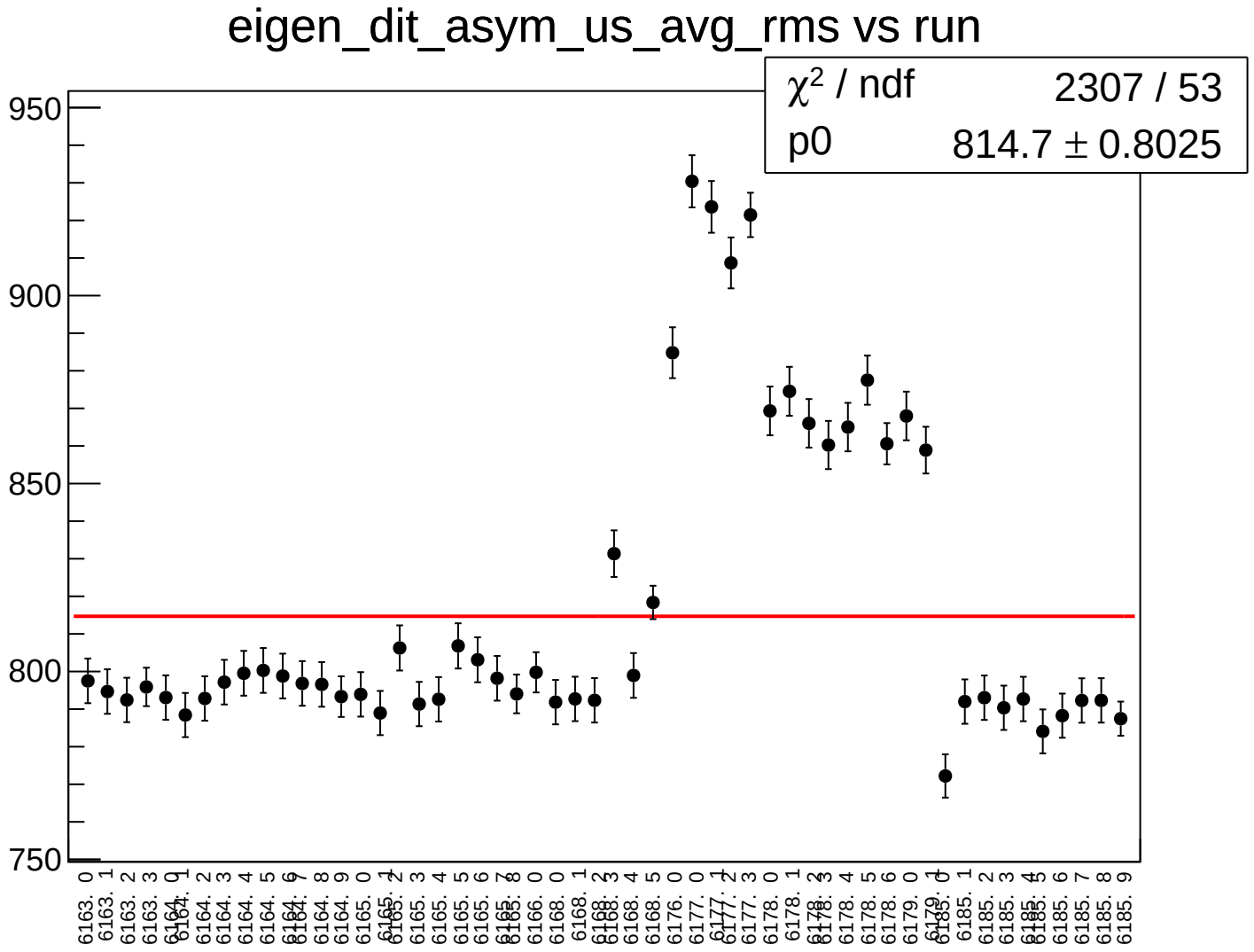
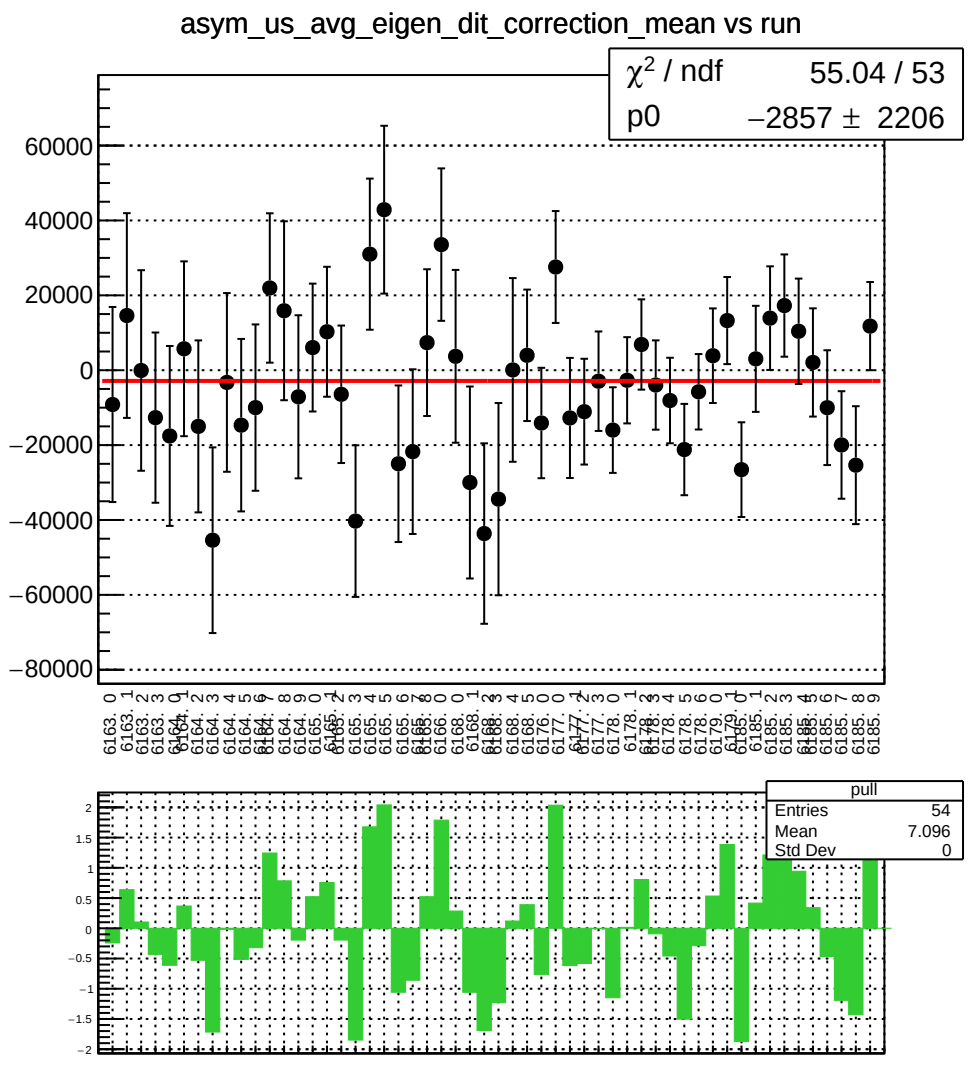
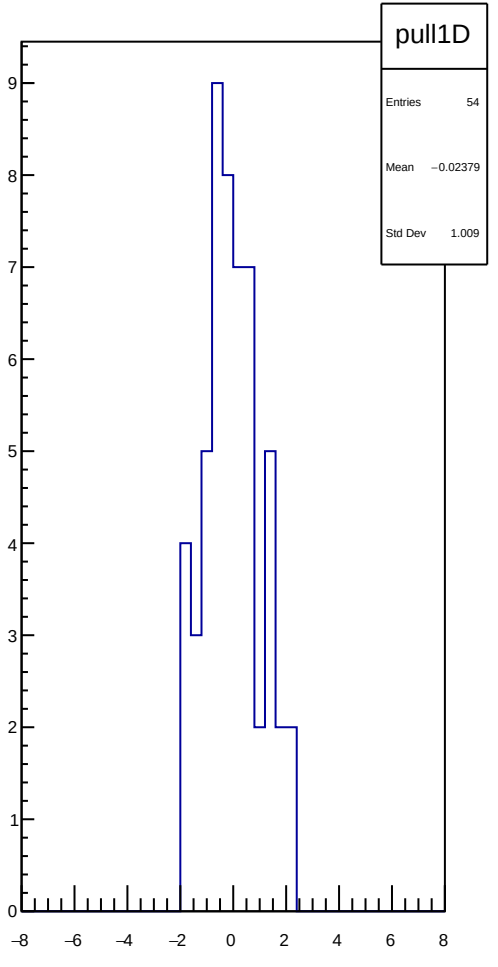
6185. 8
6185. 9

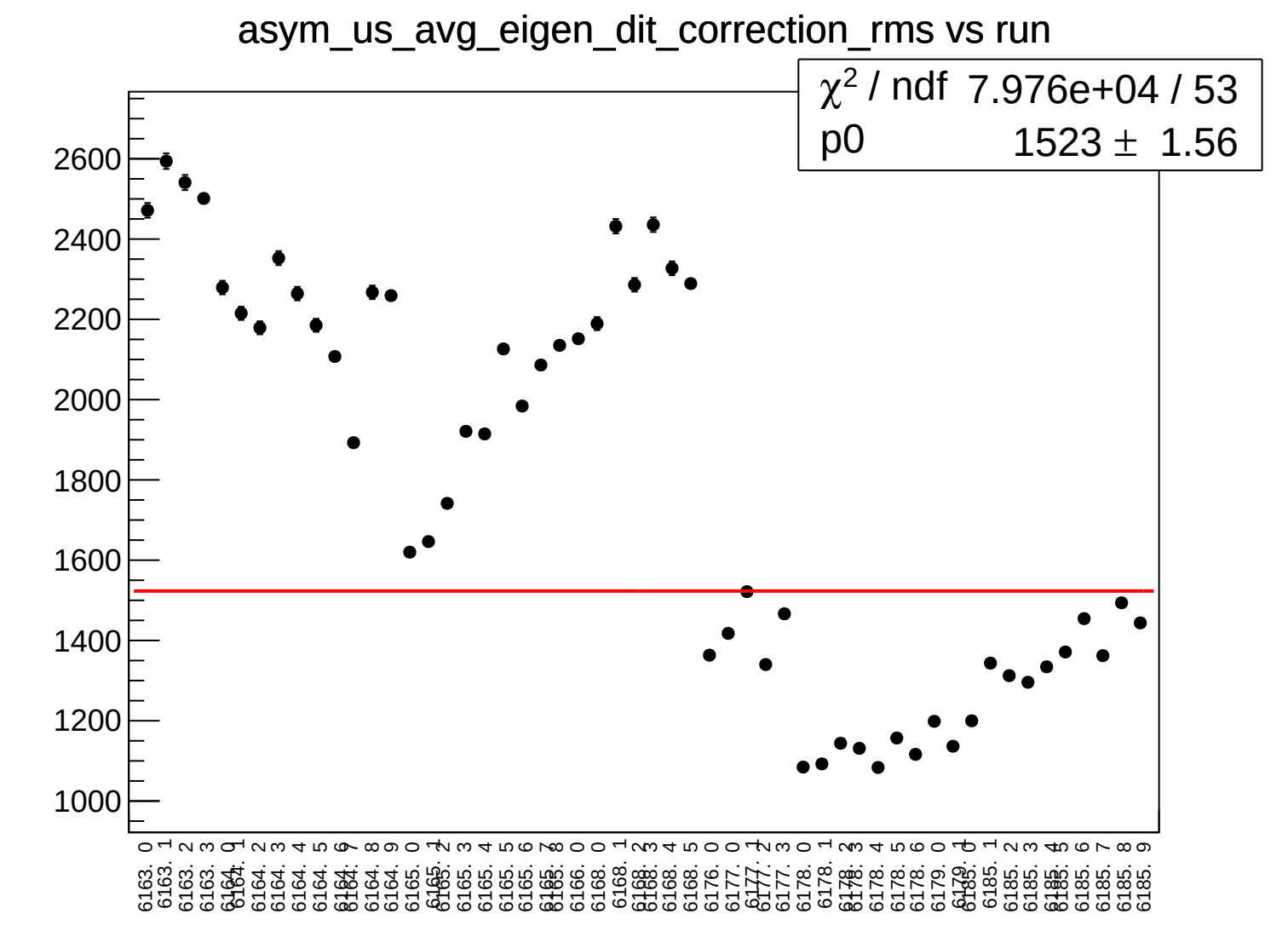

eigen_dit_asym_us_avg_mean vs run
χ² / ndf 64.41 / 53
p0 1946 ± 1135
pull
Entries 54
Mean −1662
Std Dev 0

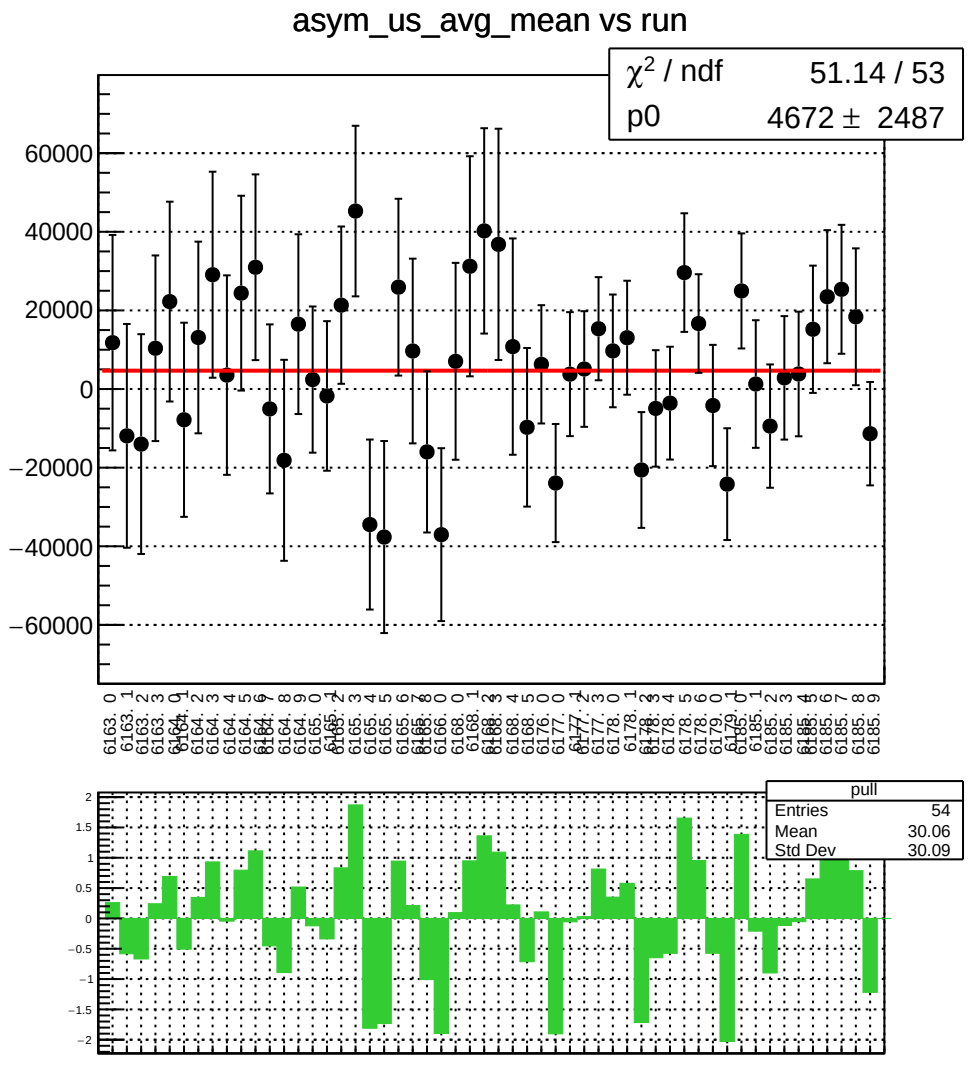

pull1D
Entries 54
Mean −0.0009014
Std Dev 1.092

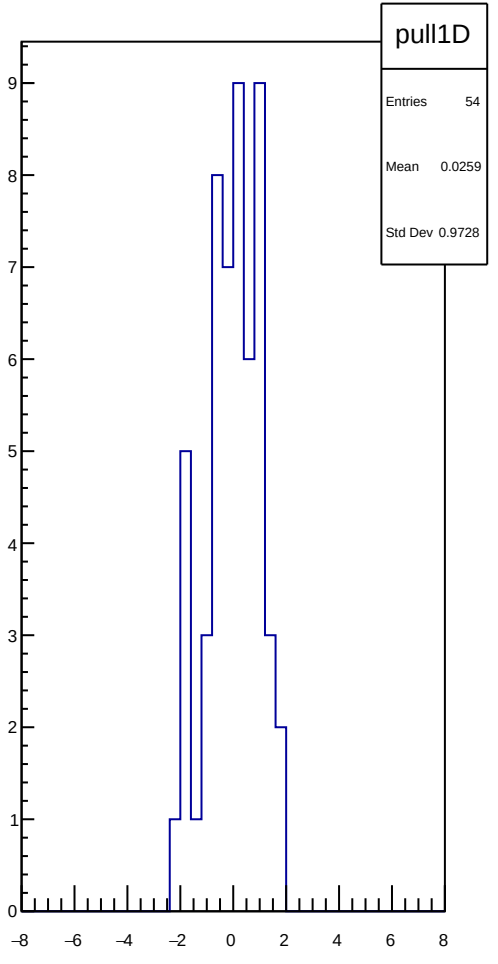

eigen_dit_asym_us_avg_rms vs run
χ² / ndf 2307 / 53
p0 814.7 ± 0.8025
950
900
850
800
750
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

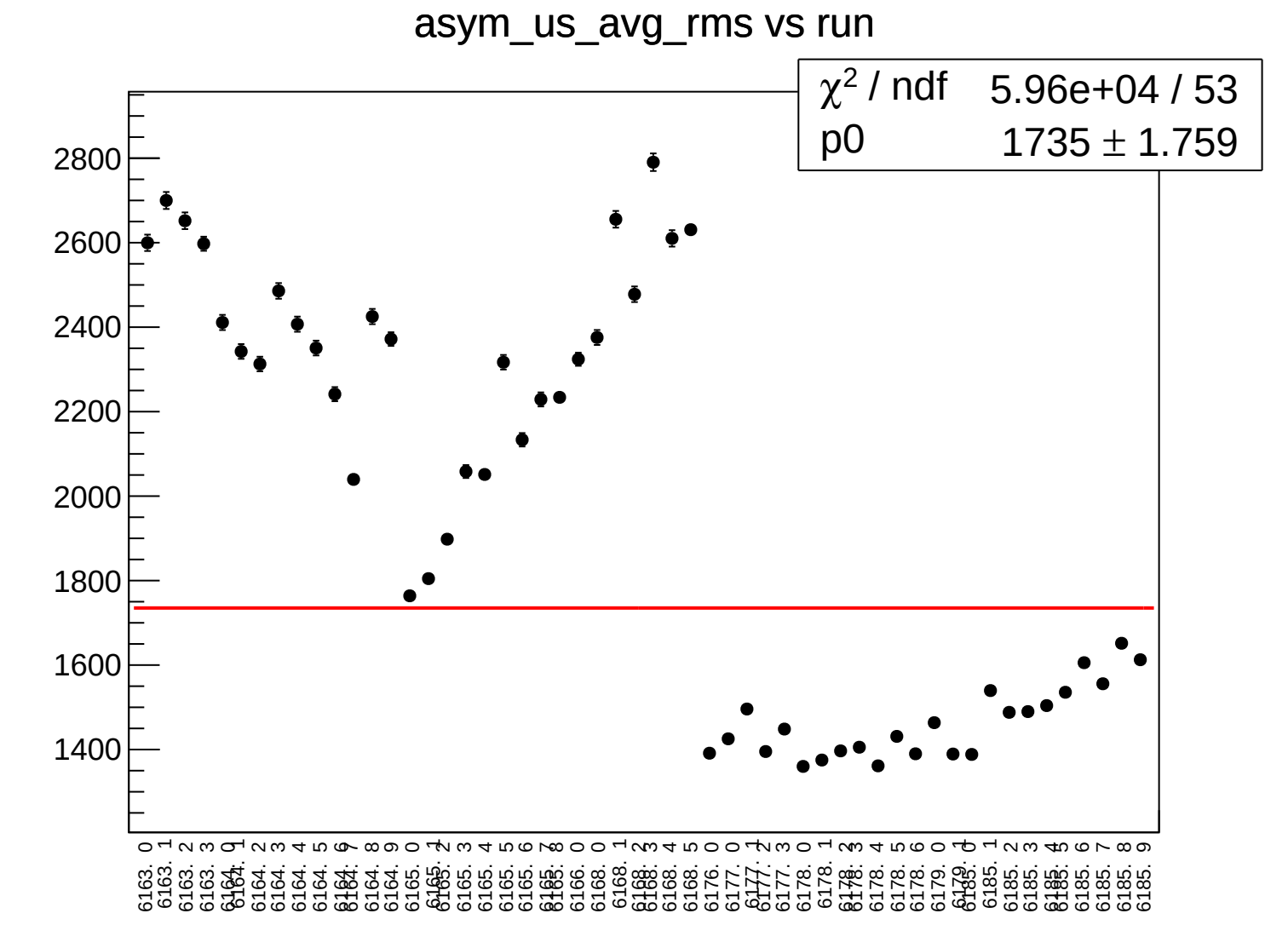

asym_us_avg_eigen_dit_correction_mean vs run
χ² / ndf 55.04 / 53
p0 −2857 ± 2206
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 54
Mean 7.096
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

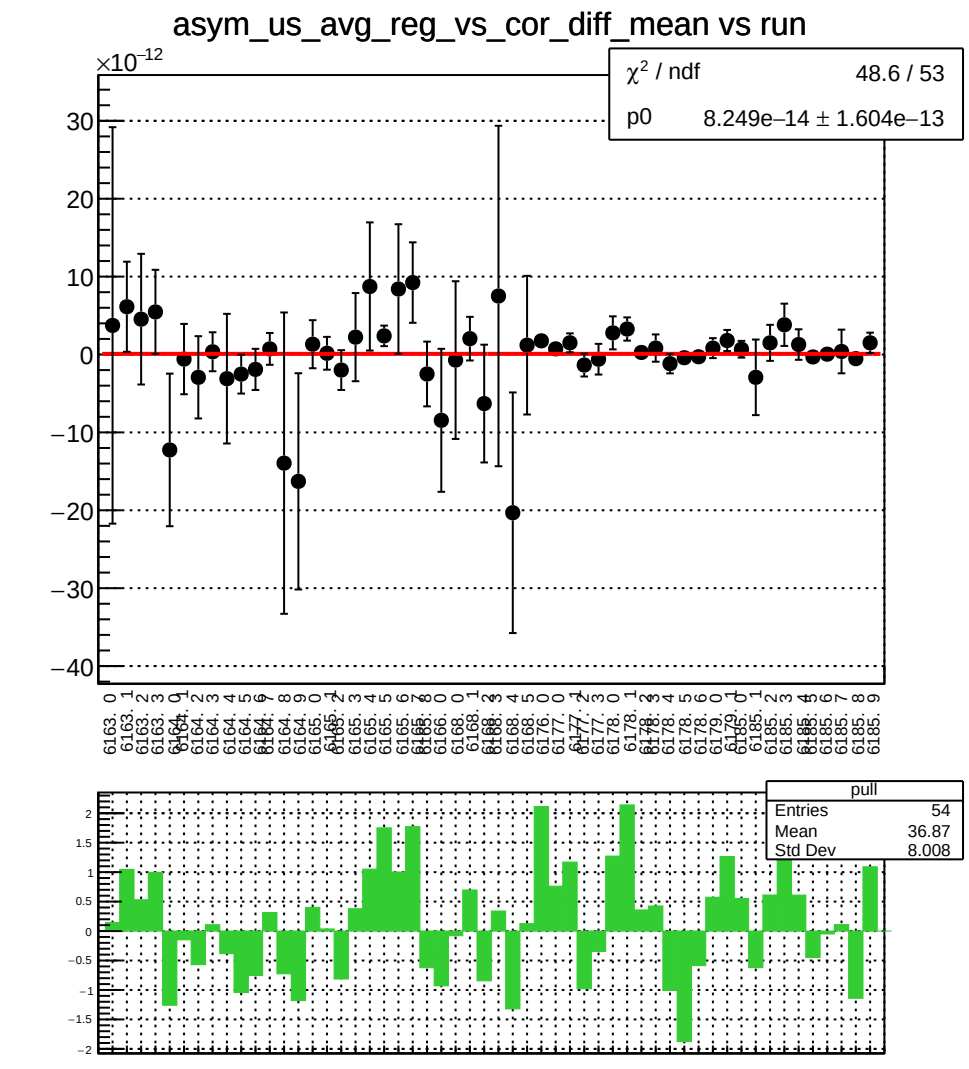

pull1D
Entries 54
Mean −0.02379
Std Dev 1.009
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

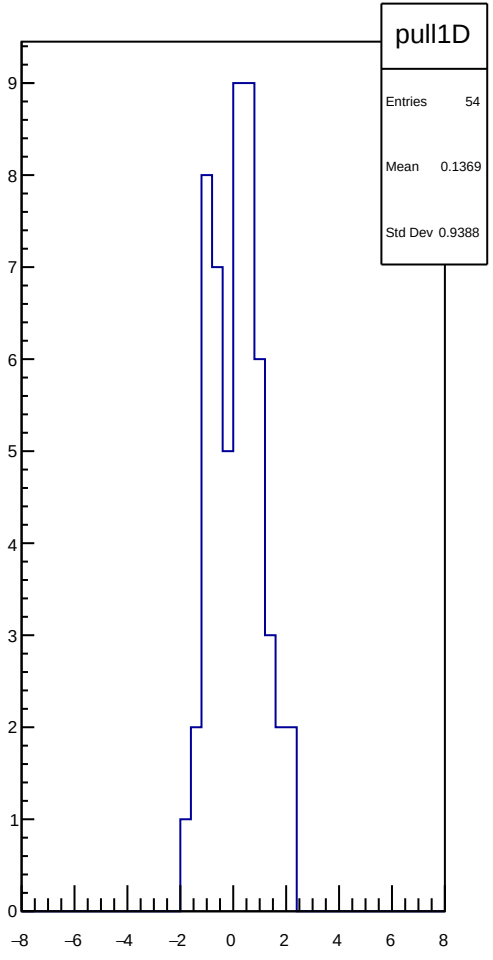

asym_us_avg_eigen_dit_correction_rms vs run
χ² / ndf 7.976e+04 / 53
p0 1523 ± 1.56
2600
2400
2200
2000
1800
1600
1400
1200
1000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

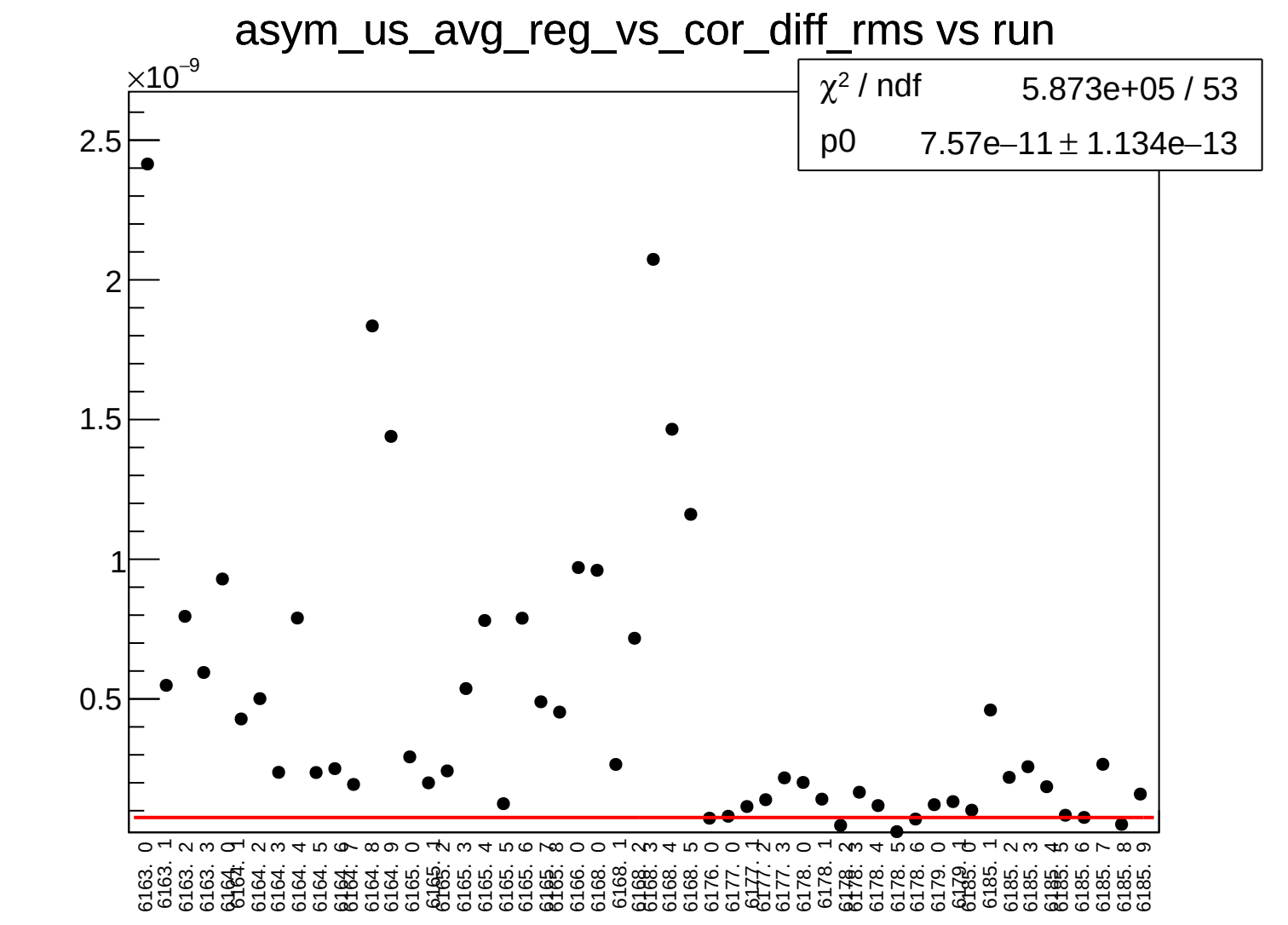

asym_us_avg_mean vs run
χ² / ndf 51.14 / 53
p0 4672 ± 2487
pull
Entries 54
Mean 30.06
Std Dev 30.09

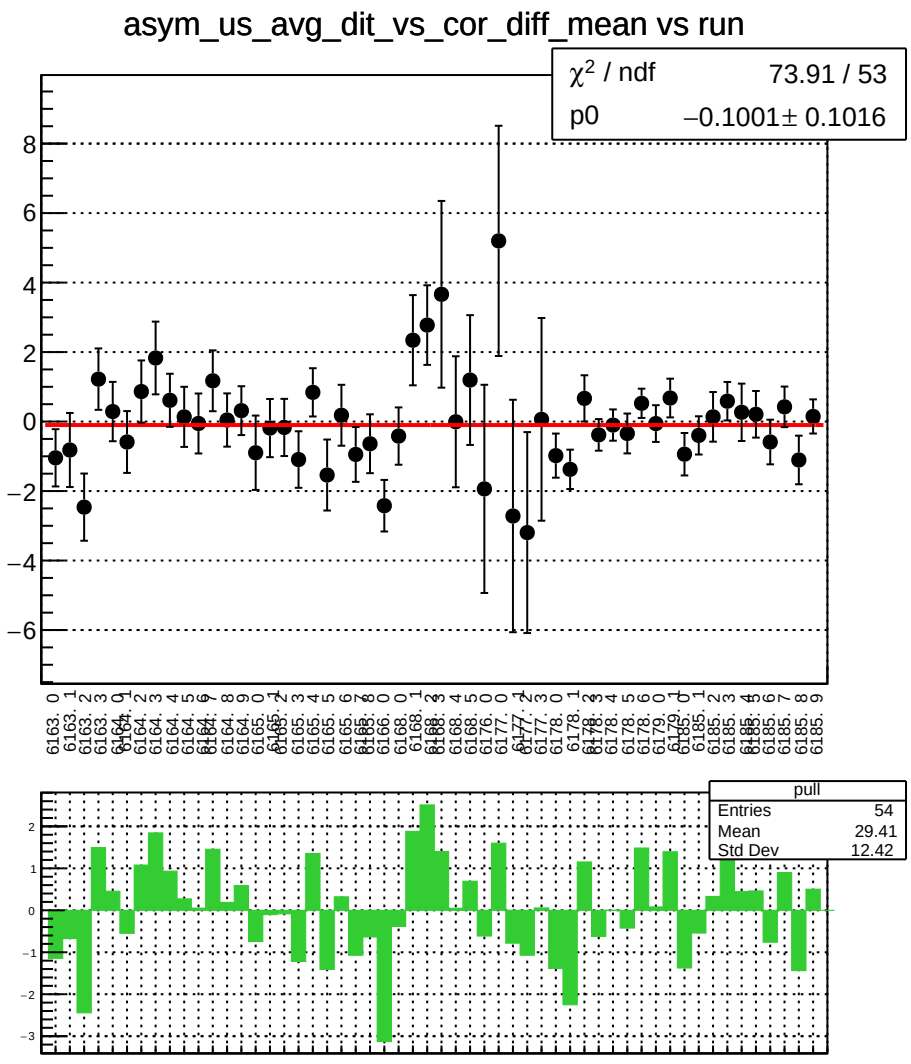

pull1D
Entries 54
Mean 0.0259
Std Dev 0.9728

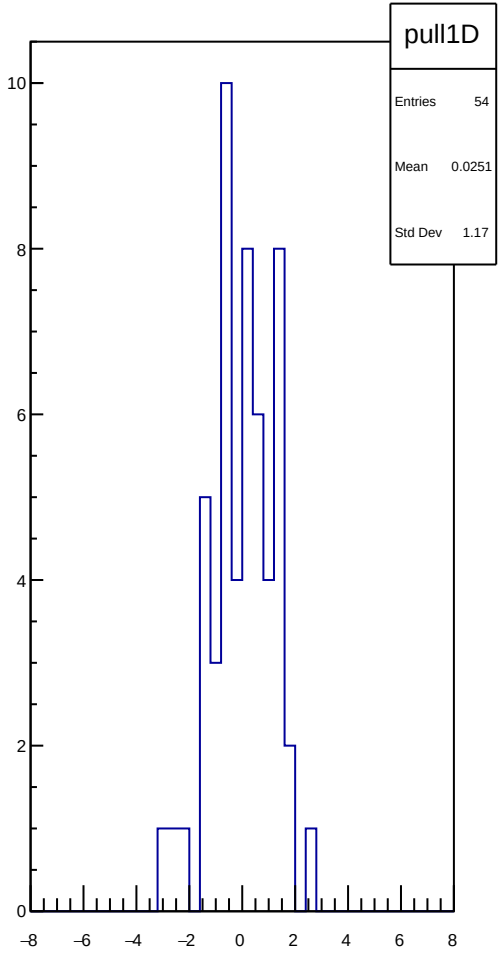

asym_us_avg_rms vs run
χ² / ndf 5.96e+04 / 53
p0 1735 ± 1.759
2800
2600
2400
2200
2000
1800
1600
1400
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

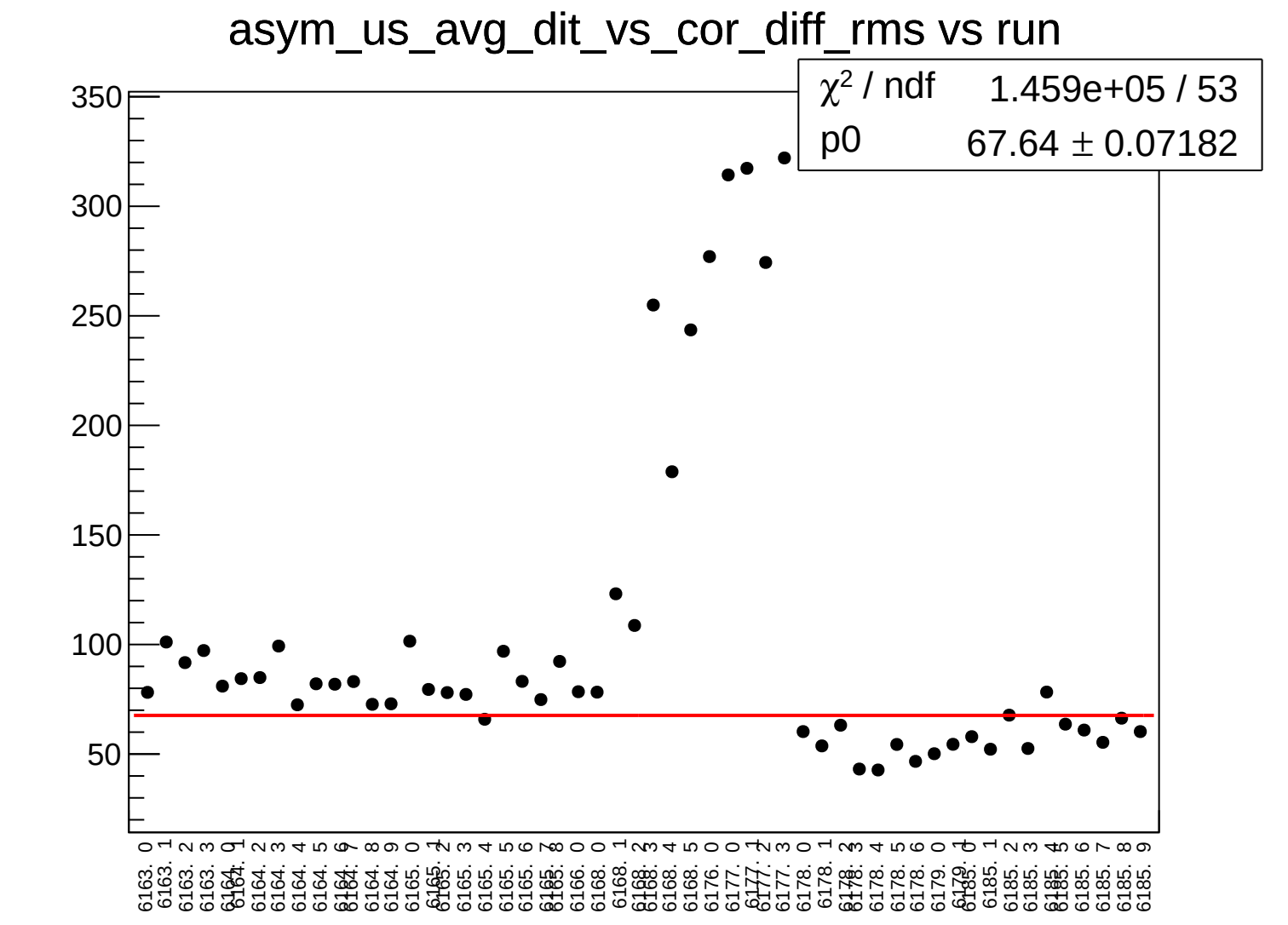

asym_us_avg_reg_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 48.6 / 53
p0 8.249e−14 ± 1.604e−13
pull
Entries 54
Mean 36.87
Std Dev 8.008

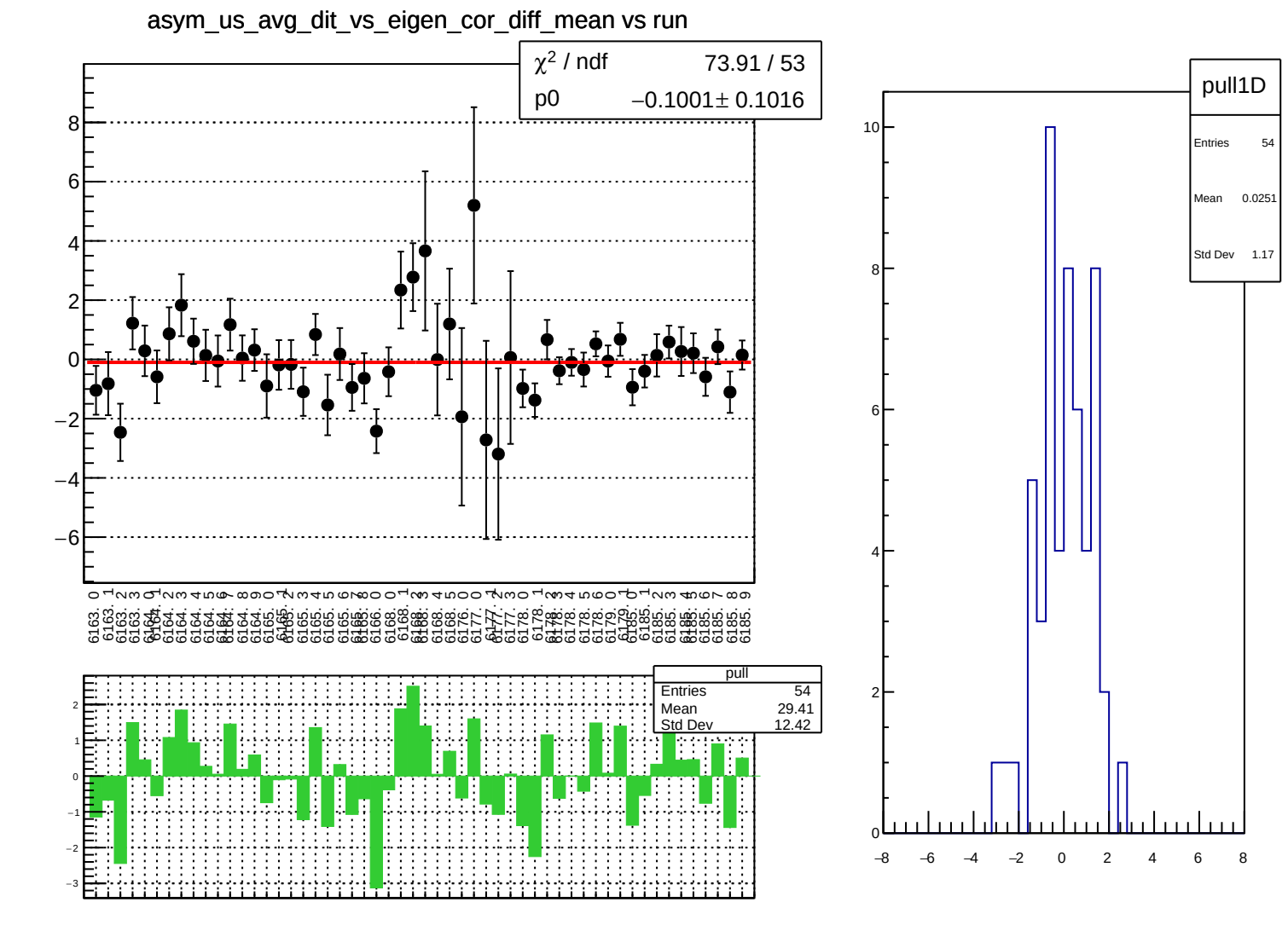

pull1D
Entries 54
Mean 0.1369
Std Dev 0.9388

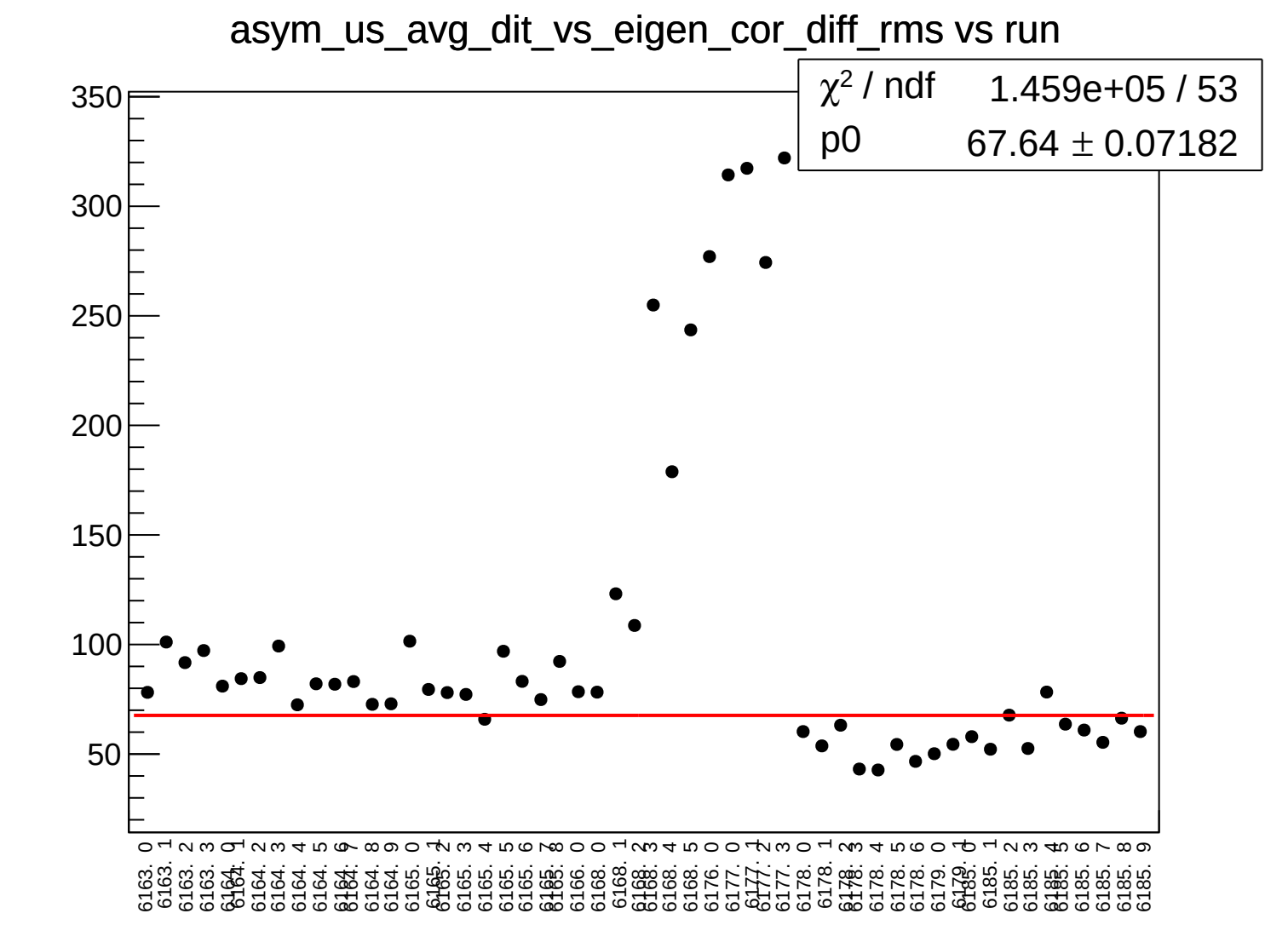

asym_us_avg_reg_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.873e+05 / 53
p0 7.57e−11 ± 1.134e−13
2.5
2
1.5
1
0.5
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

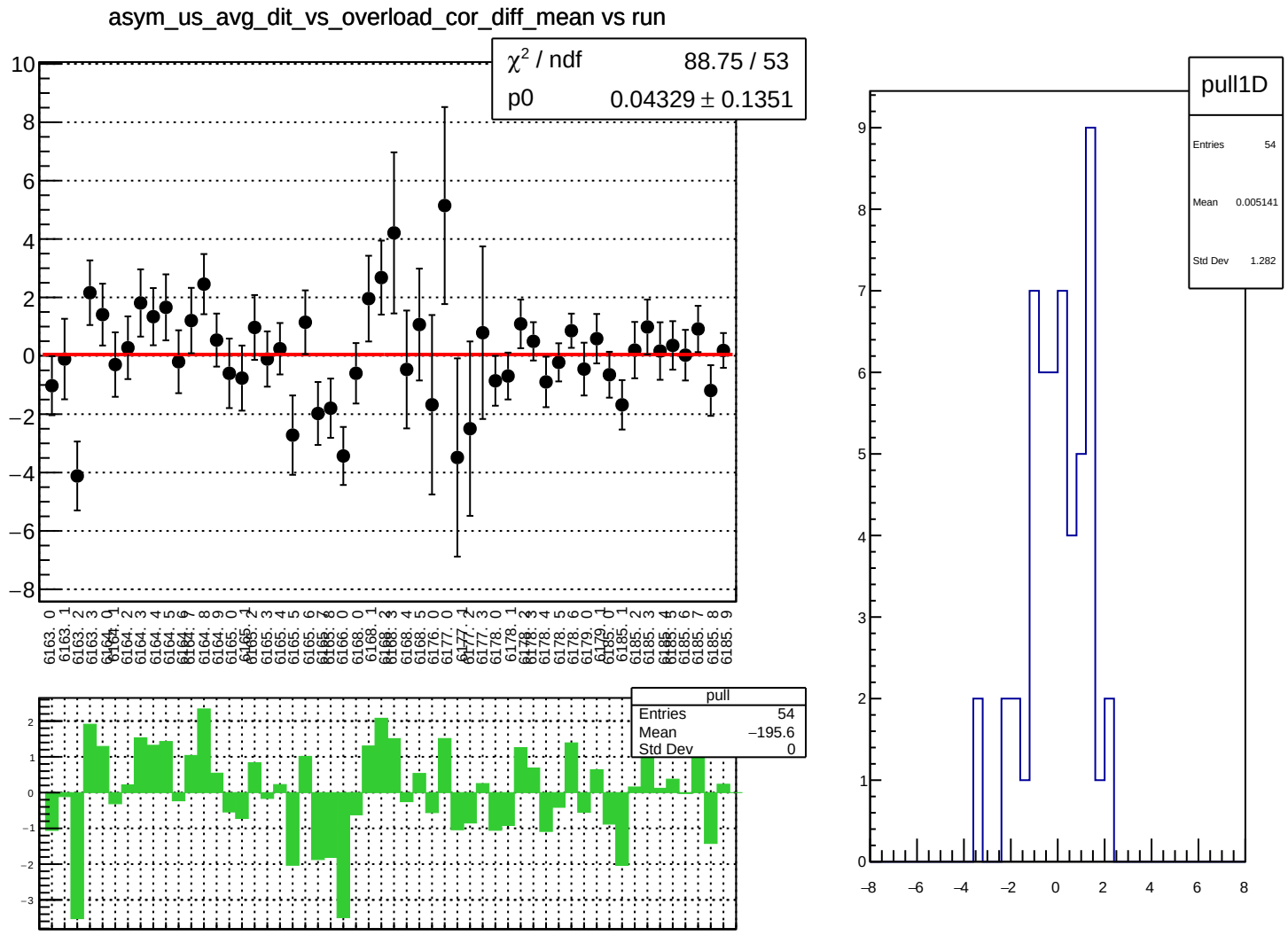

asym_us_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 73.91 / 53
p0 −0.1001± 0.1016
pull
Entries 54
Mean 29.41
Std Dev 12.42

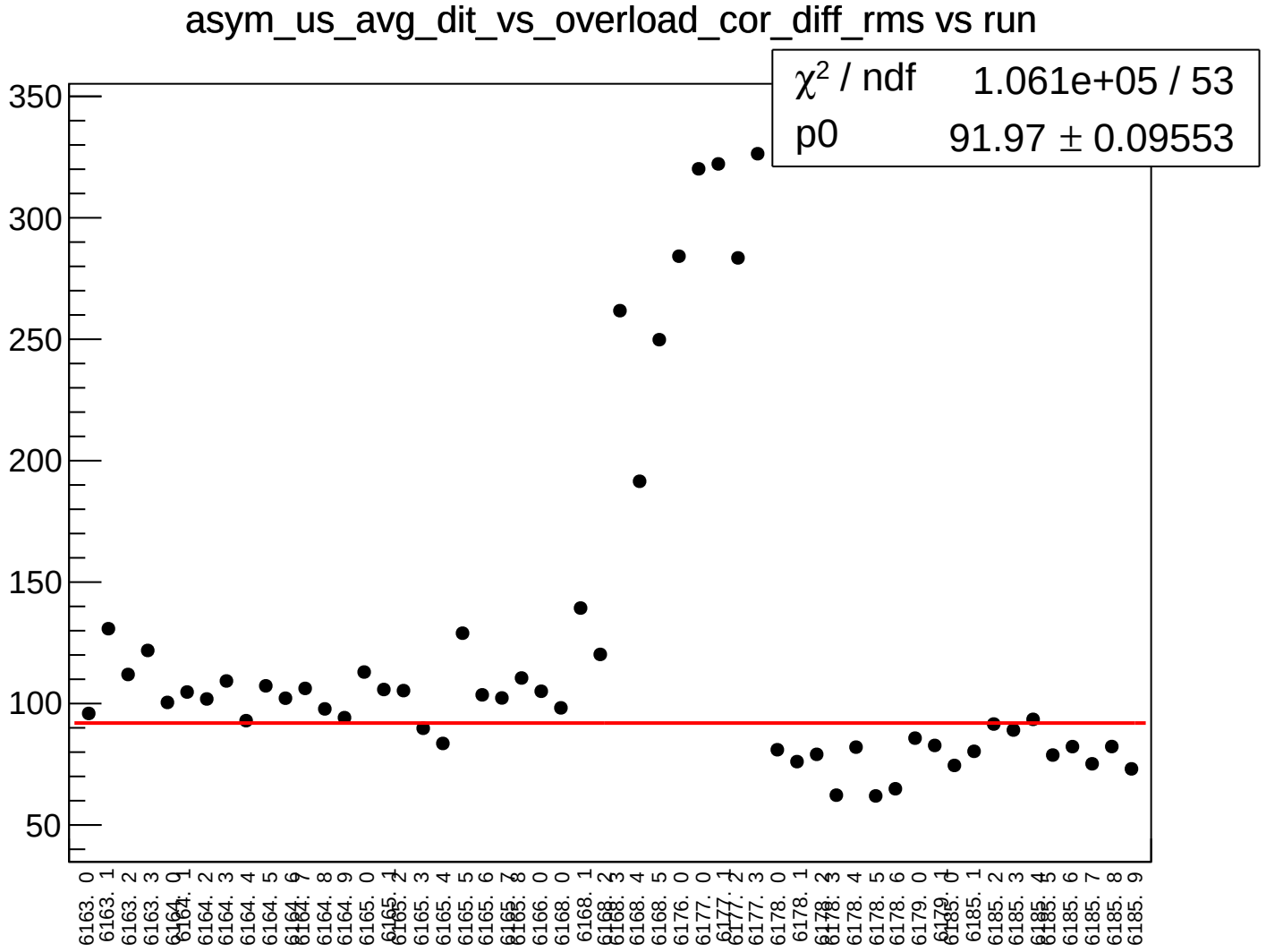

pull1D
Entries 54
Mean 0.0251
Std Dev 1.17

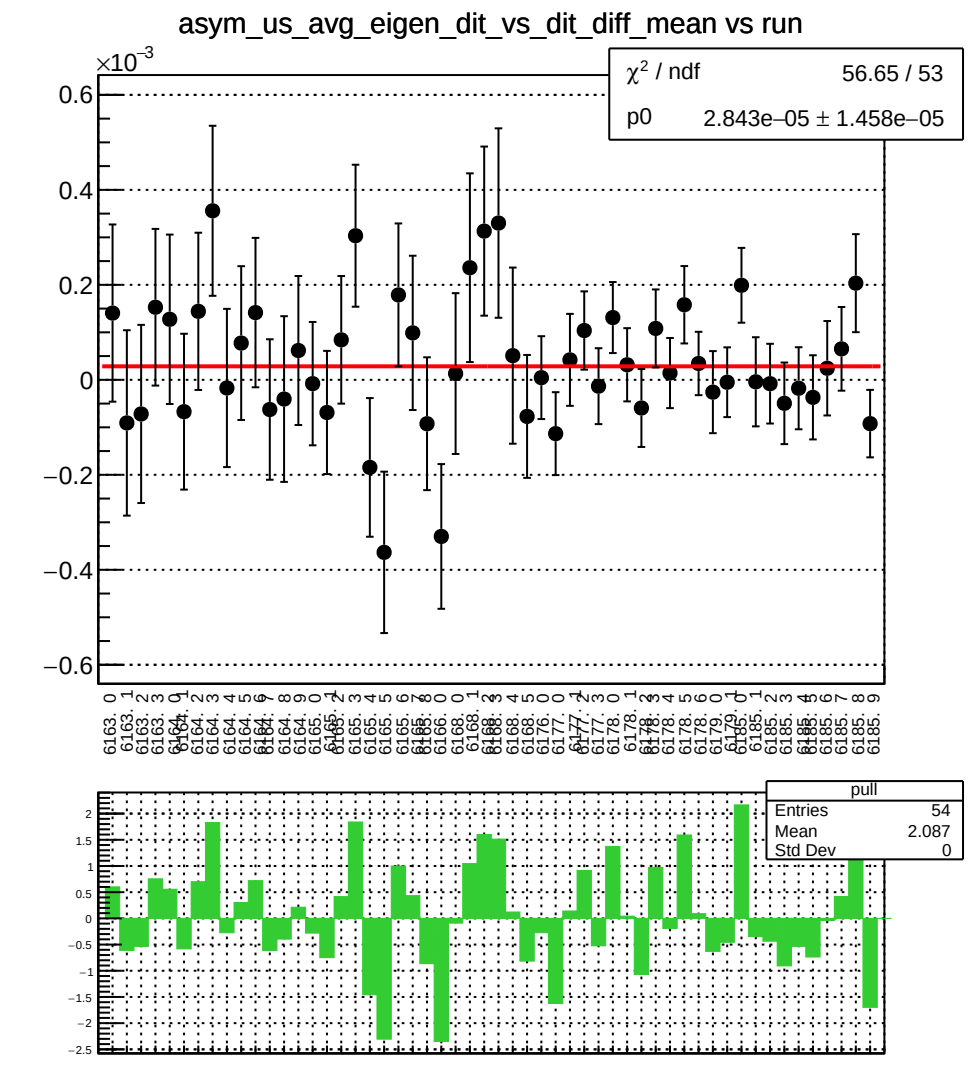

asym_us_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.459e+05 / 53
p0 67.64 ± 0.07182
350
300
250
200
150
100
50
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

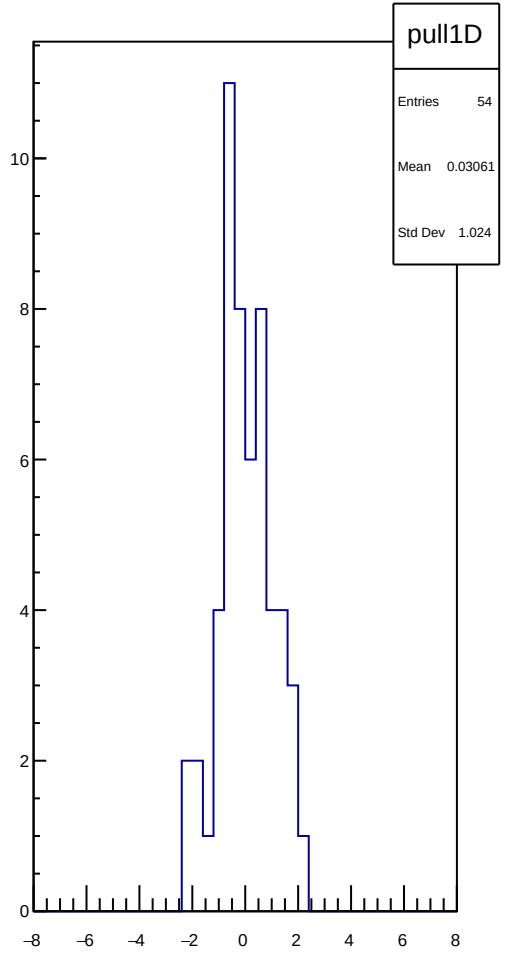

asym_us_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 73.91 / 53
p0 −0.1001± 0.1016
pull
Entries 54
Mean 29.41
Std Dev 12.42
pull1D
Entries 54
Mean 0.0251
Std Dev 1.17

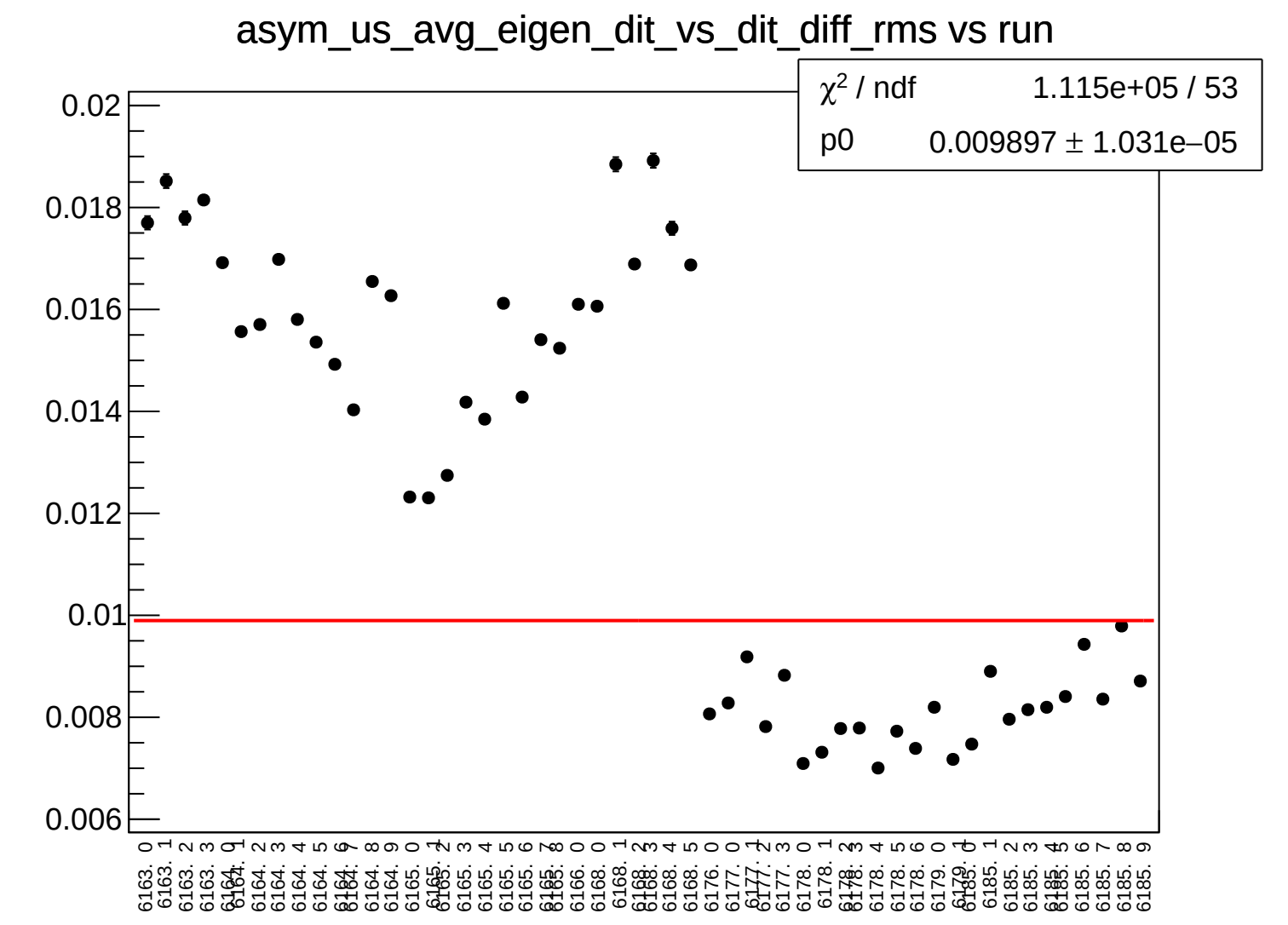

asym_us_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.459e+05 / 53
p0 67.64 ± 0.07182
350
300
250
200
150
100
50
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

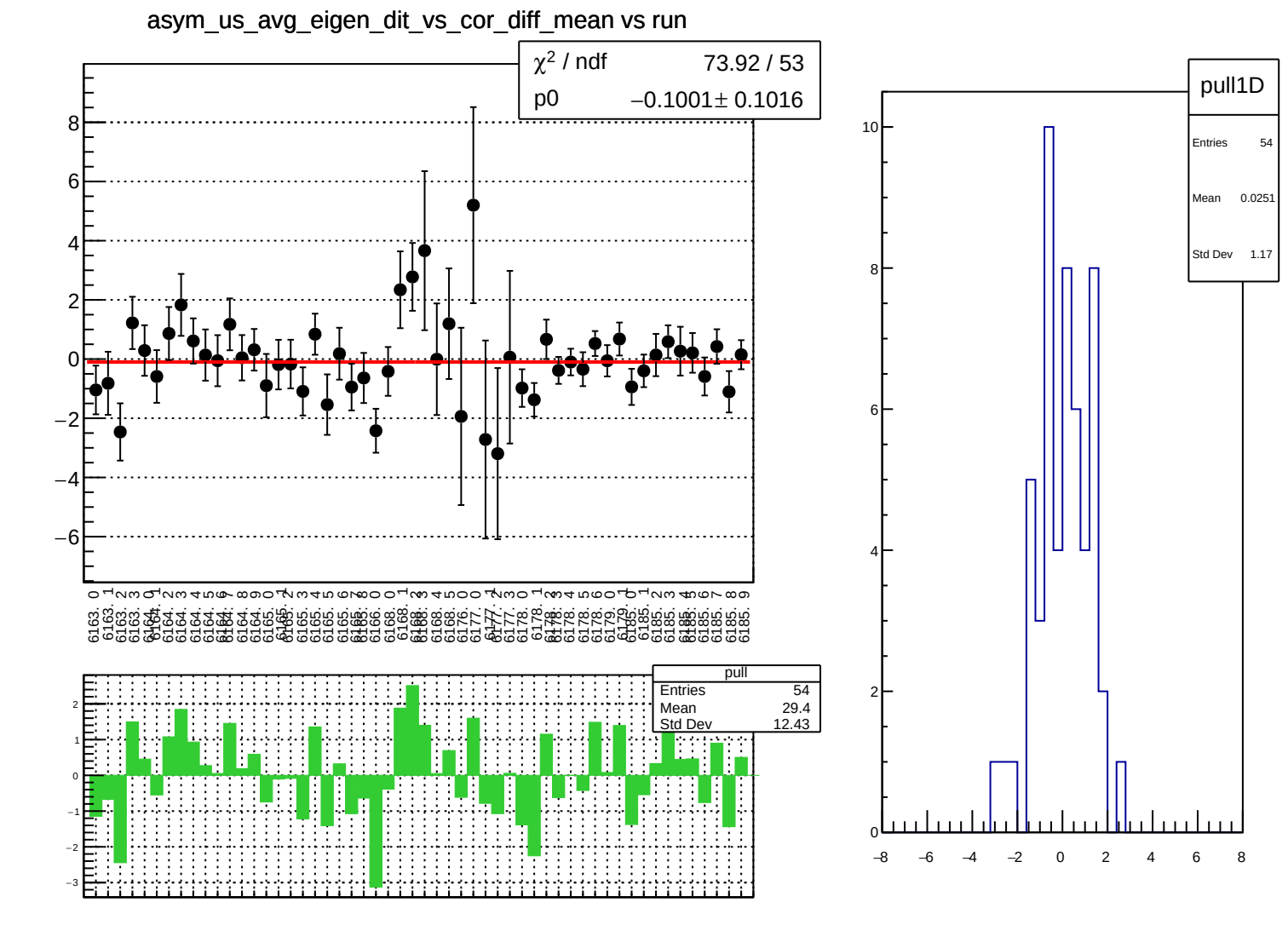

asym_us_avg_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 88.75 / 53
p0 0.04329 ± 0.1351
pull
Entries 54
Mean −195.6
Std Dev 0
pull1D
Entries 54
Mean 0.005141
Std Dev 1.282

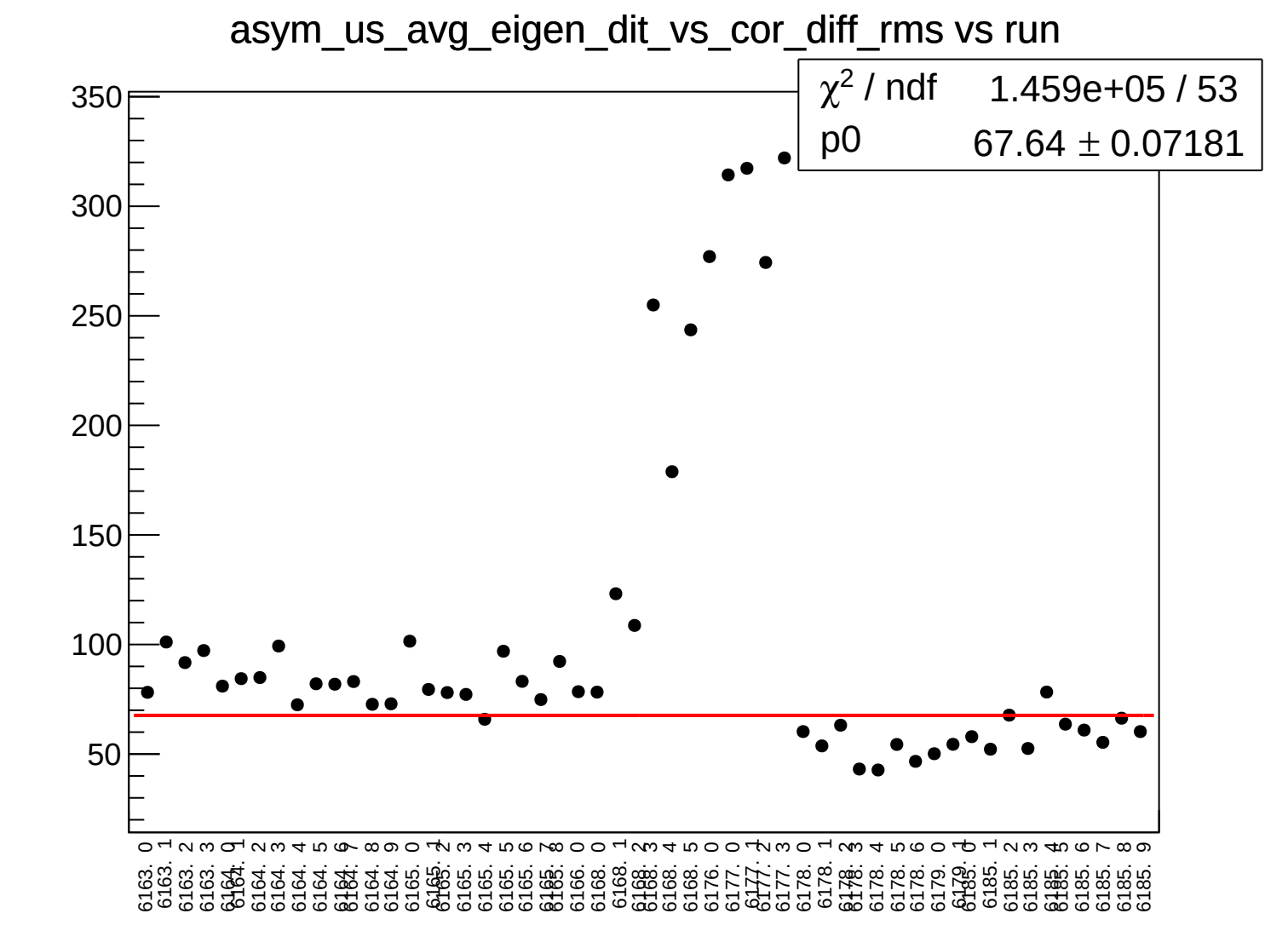

asym_us_avg_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 1.061e+05 / 53
p0 91.97 ± 0.09553
350
300
250
200
150
100
50
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

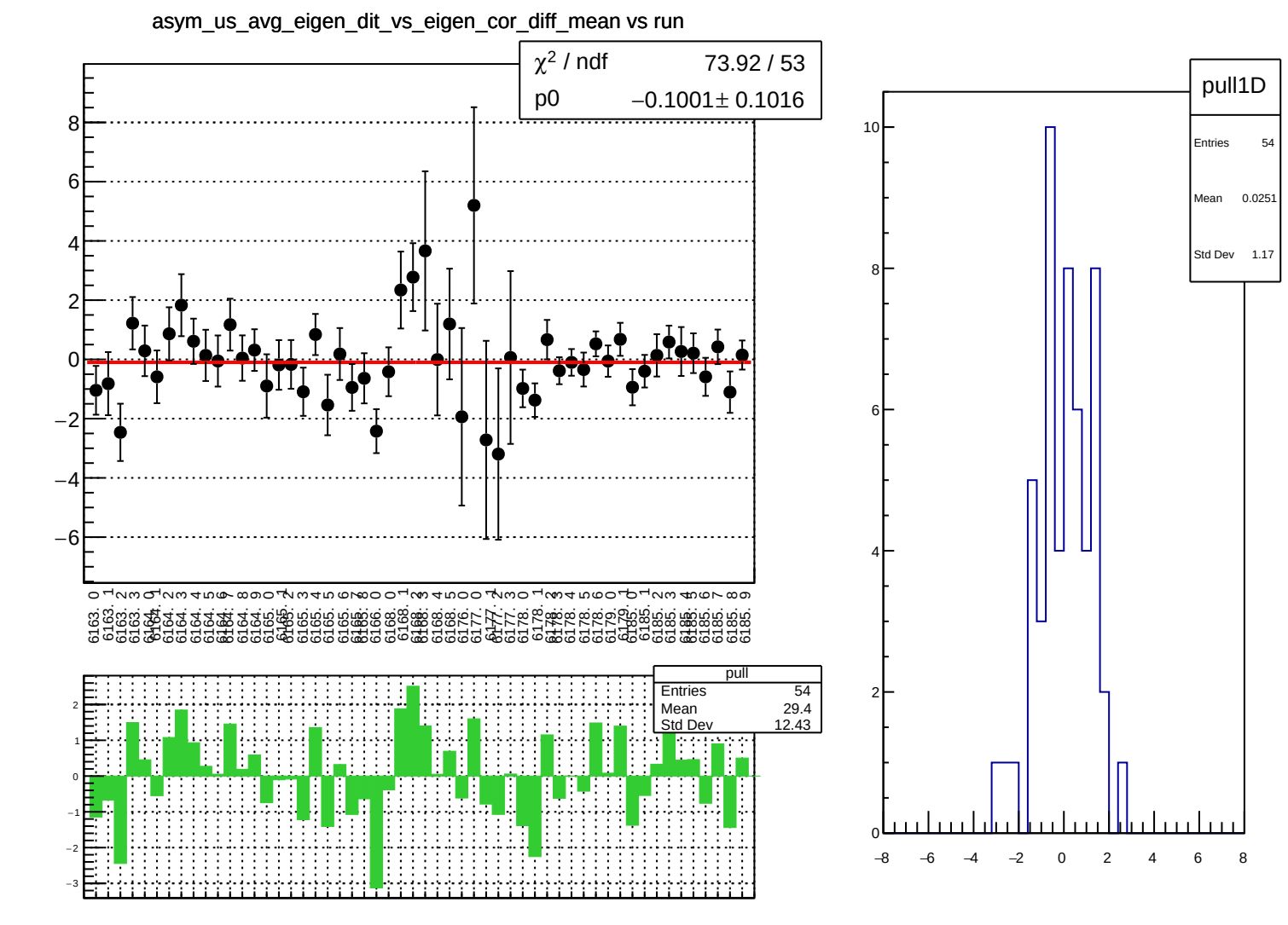

asym_us_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 56.65 / 53
p0 2.843e−05 ± 1.458e−05
pull
Entries 54
Mean 2.087
Std Dev 0

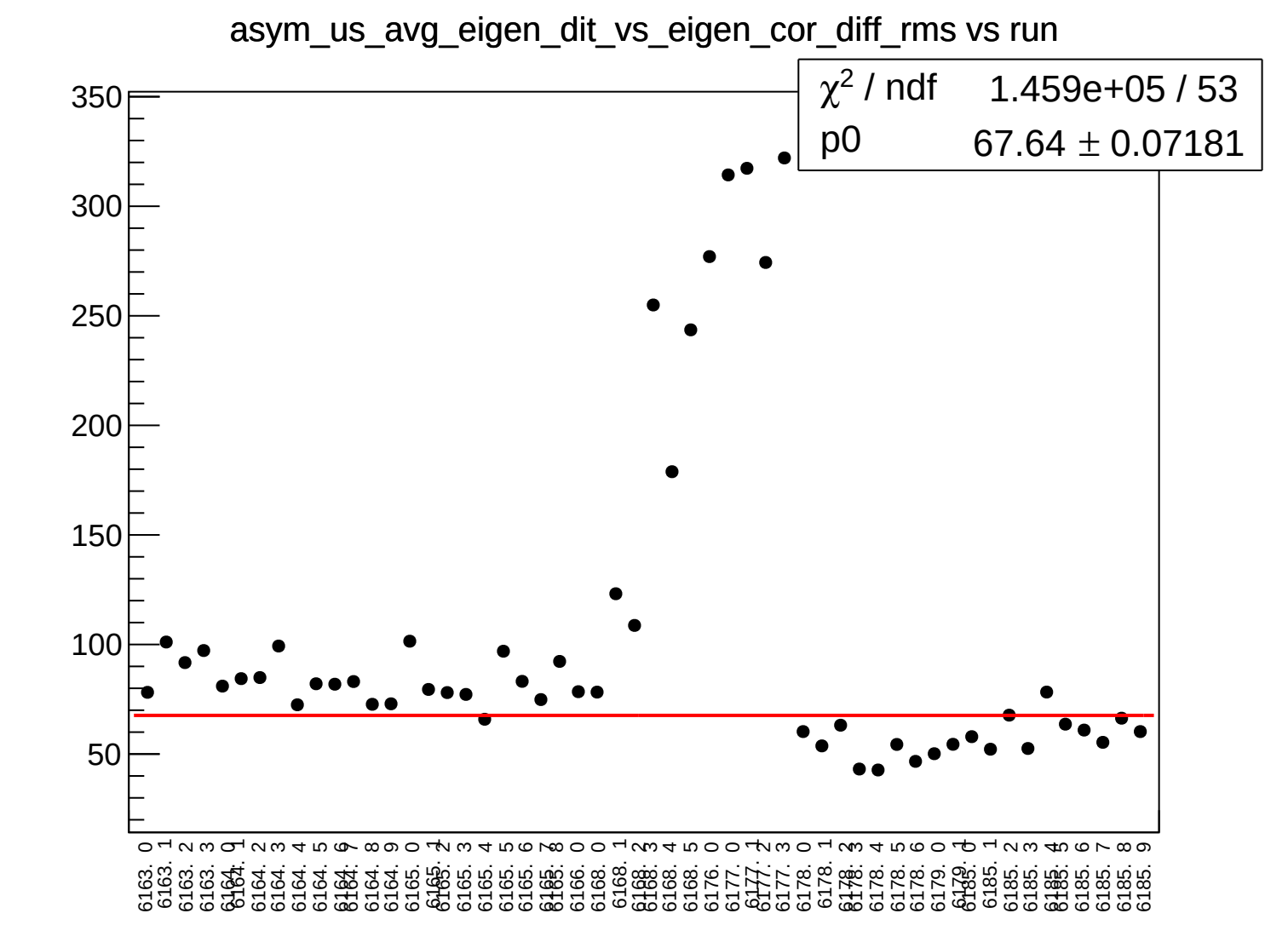

pull1D
Entries 54
Mean 0.03061
Std Dev 1.024

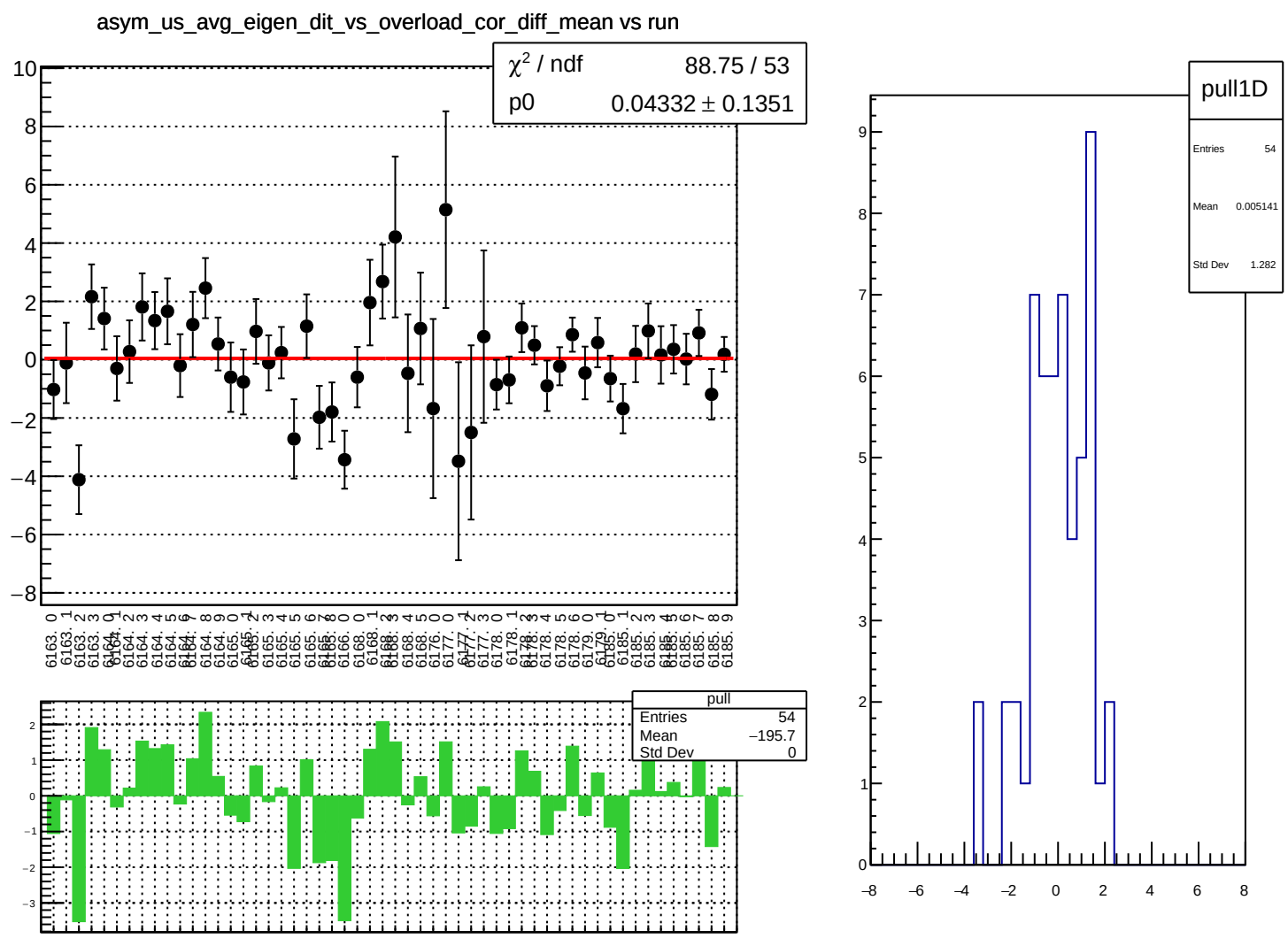

asym_us_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.115e+05 / 53
p0 0.009897 ± 1.031e−05
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

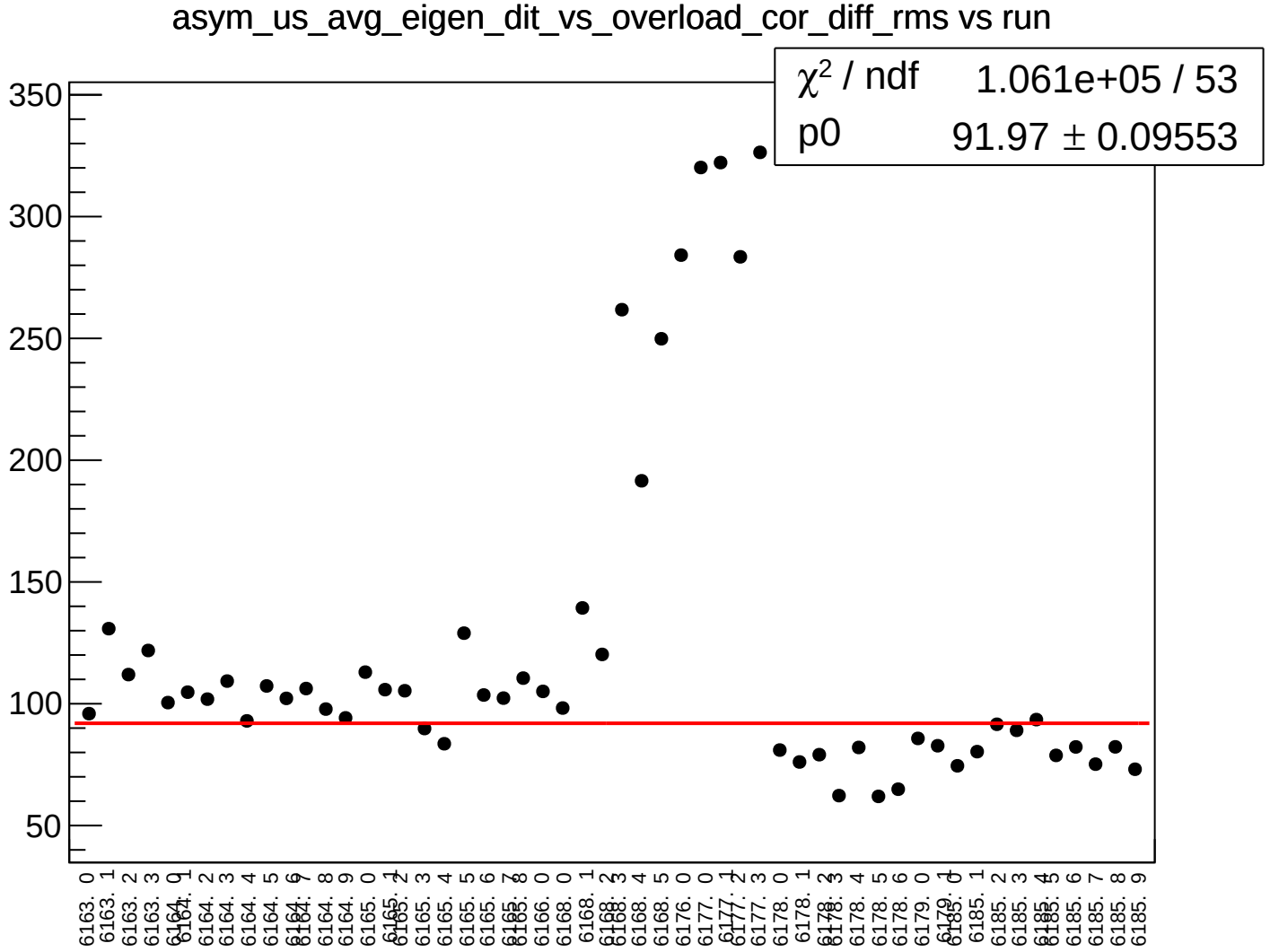

asym_us_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 73.92 / 53
p0 −0.1001± 0.1016
pull
Entries 54
Mean 29.4
Std Dev 12.43
pull1D
Entries 54
Mean 0.0251
Std Dev 1.17


asym_us_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.459e+05 / 53
p0 67.64 ± 0.07181
350
300
250
200
150
100
50
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


asym_us_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 73.92 / 53
p0 −0.1001± 0.1016
pull
Entries 54
Mean 29.4
Std Dev 12.43
pull1D
Entries 54
Mean 0.0251
Std Dev 1.17


asym_us_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.459e+05 / 53
p0 67.64 ± 0.07181
350
300
250
200
150
100
50
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


asym_us_avg_eigen_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 88.75 / 53
p0 0.04332 ± 0.1351
pull
Entries 54
Mean −195.7
Std Dev 0
pull1D
Entries 54
Mean 0.005141
Std Dev 1.282


asym_us_avg_eigen_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 1.061e+05 / 53
p0 91.97 ± 0.09553
350
300
250
200
150
100
50
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
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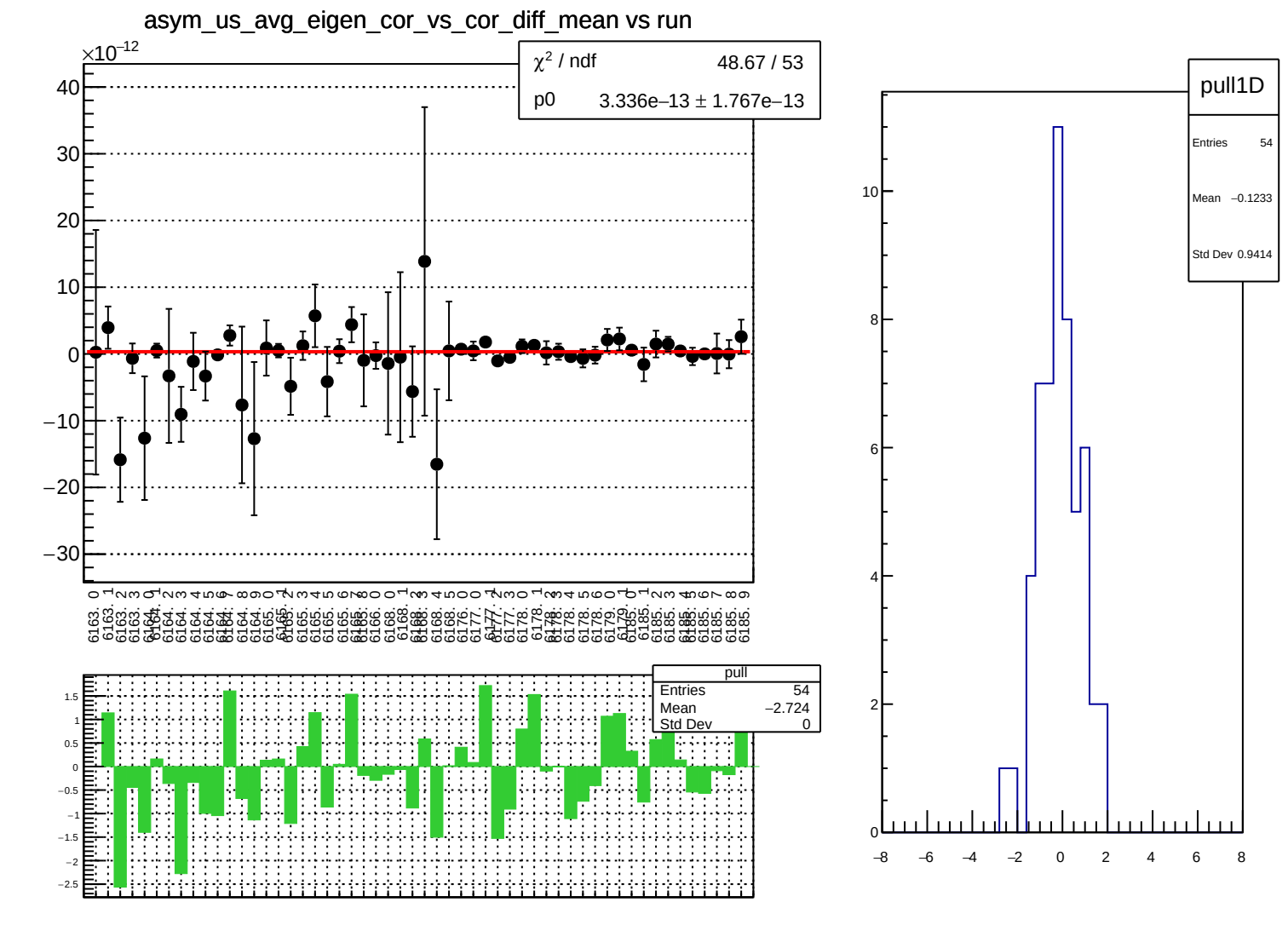
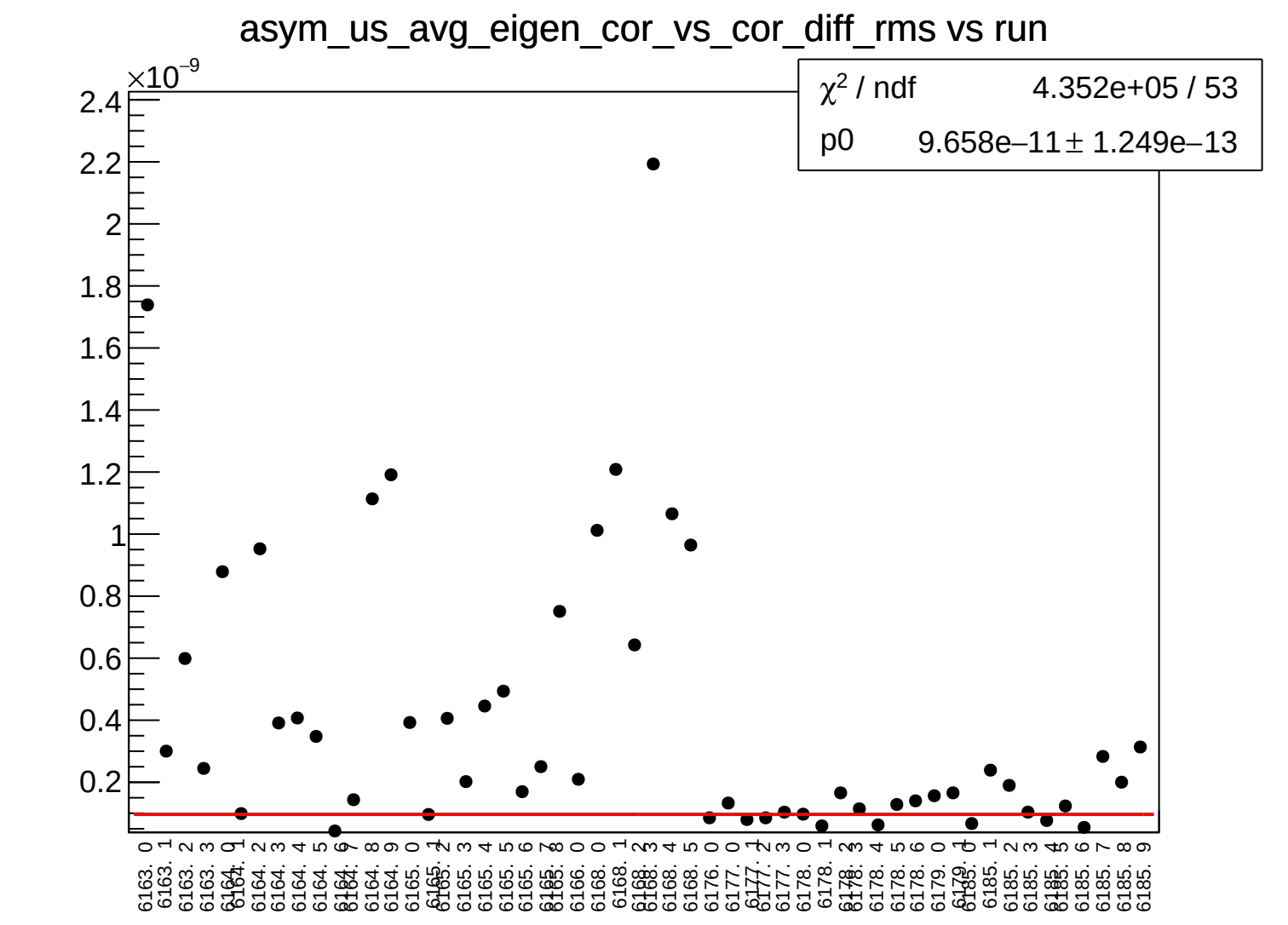
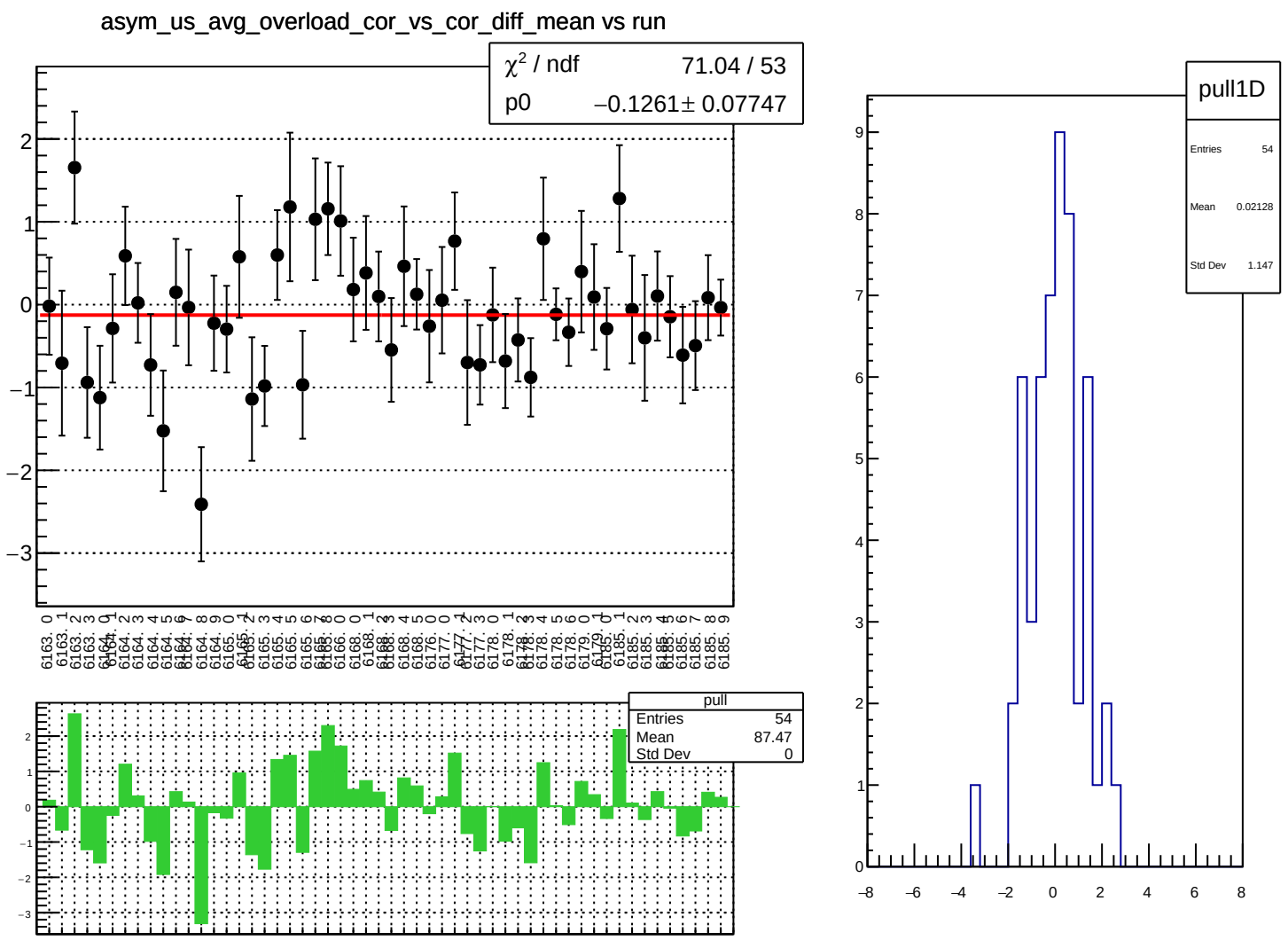
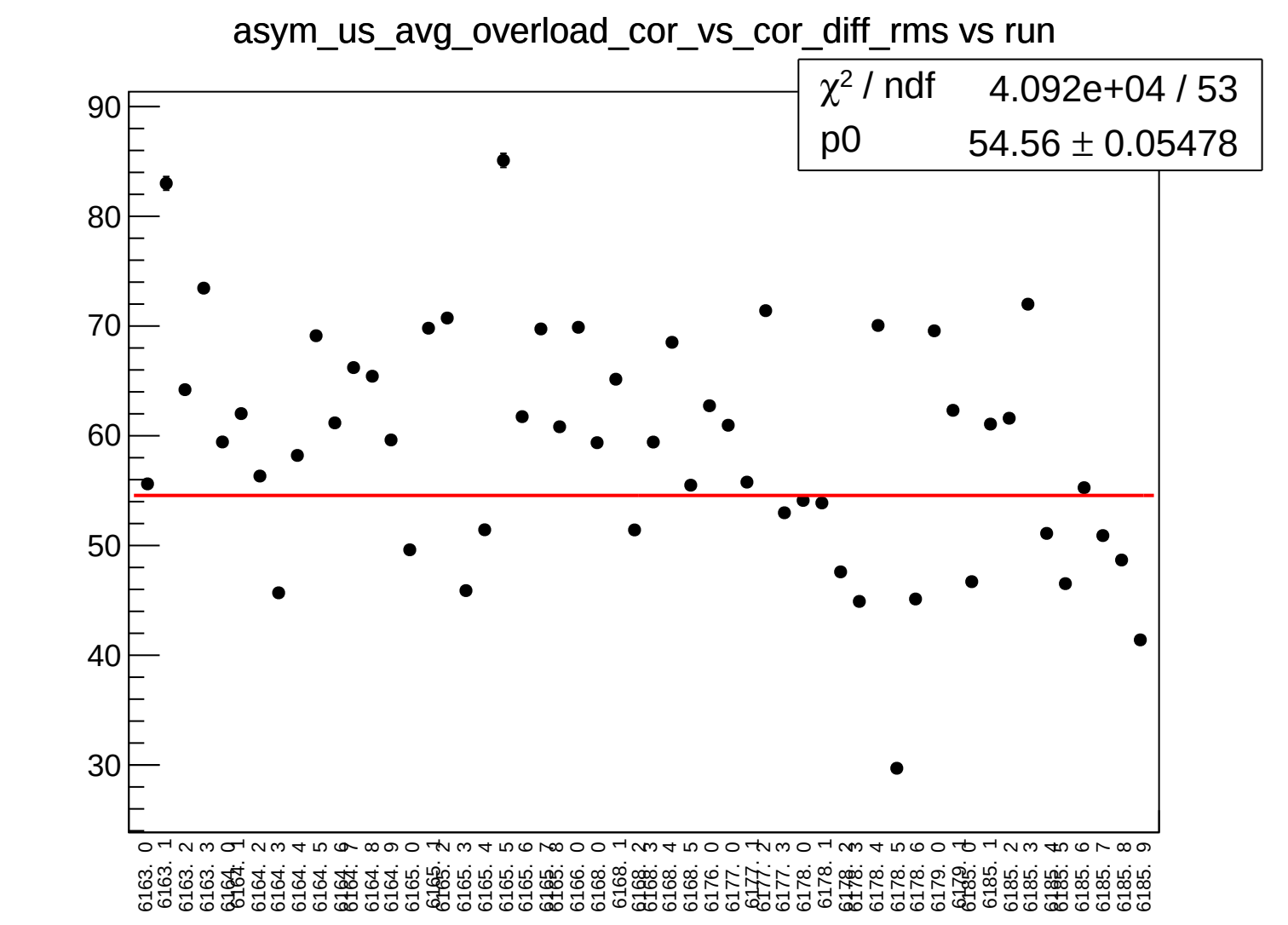
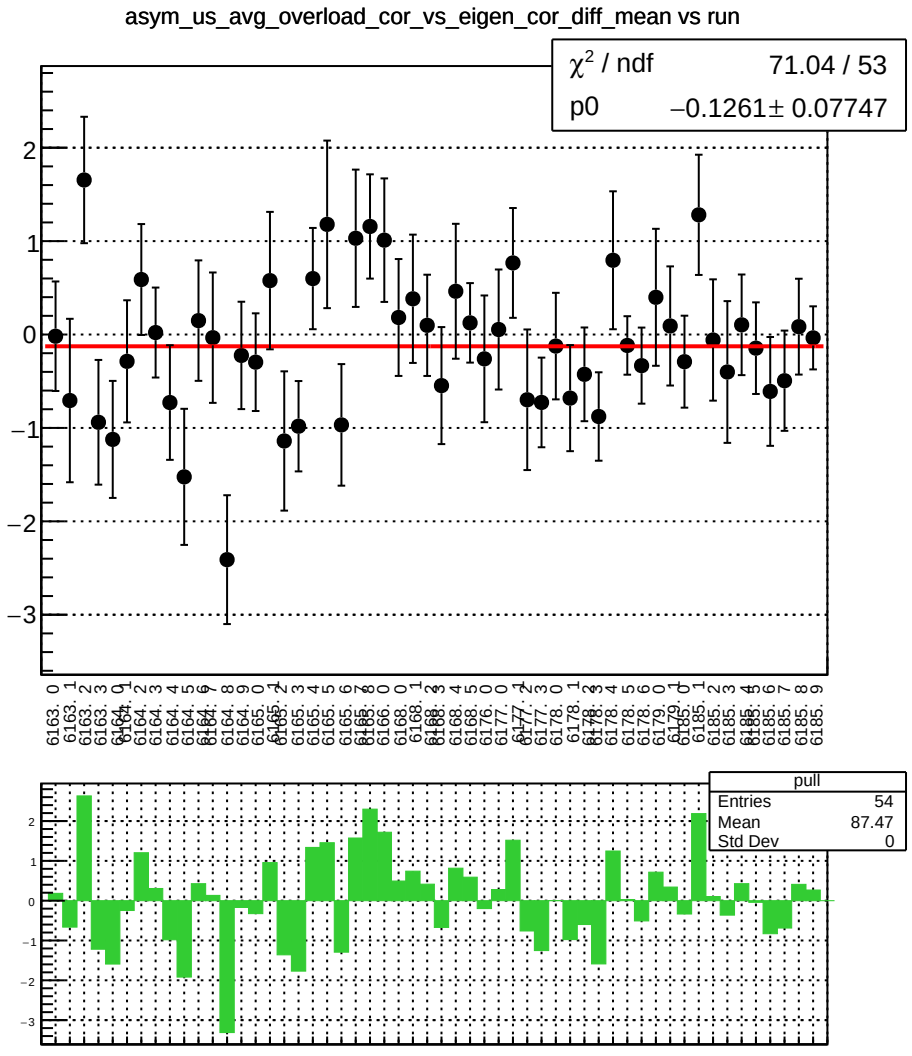
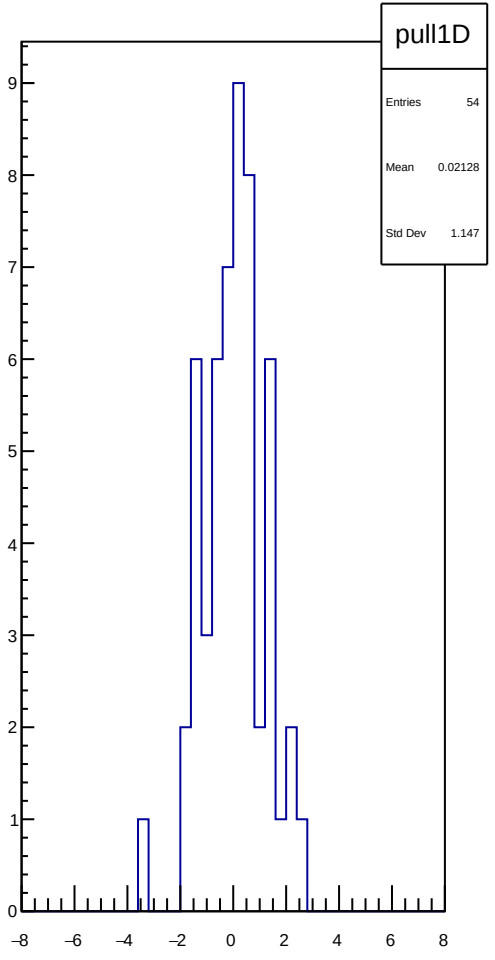

asym_us_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 48.67 / 53
p0 3.336e−13 ± 1.767e−13
pull
Entries 54
Mean −2.724
Std Dev 0
pull1D
Entries 54
Mean −0.1233
Std Dev 0.9414

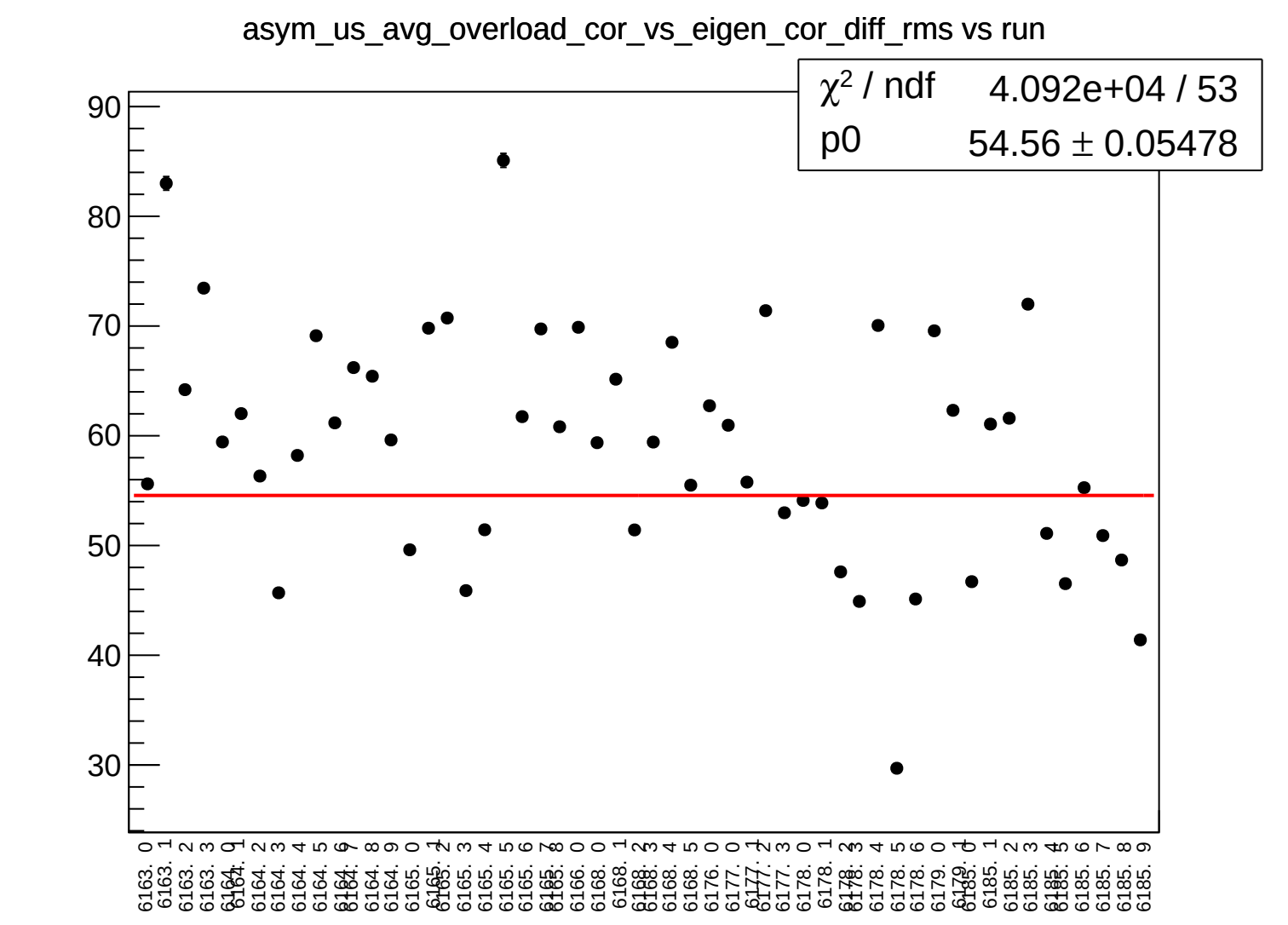

asym_us_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.352e+05 / 53
p0 9.658e−11 ± 1.249e−13
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


asym_us_avg_overload_cor_vs_cor_diff_mean vs run
χ² / ndf 71.04 / 53
p0 −0.1261± 0.07747
pull
Entries 54
Mean 87.47
Std Dev 0
pull1D
Entries 54
Mean 0.02128
Std Dev 1.147


asym_us_avg_overload_cor_vs_cor_diff_rms vs run
χ² / ndf 4.092e+04 / 53
p0 54.56 ± 0.05478
90
80
70
60
50
40
30
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


asym_us_avg_overload_cor_vs_eigen_cor_diff_mean vs run
χ² / ndf 71.04 / 53
p0 −0.1261± 0.07747
pull
Entries 54
Mean 87.47
Std Dev 0


pull1D
Entries 54
Mean 0.02128
Std Dev 1.147


asym_us_avg_overload_cor_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.092e+04 / 53
p0 54.56 ± 0.05478
90
80
70
60
50
40
30
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
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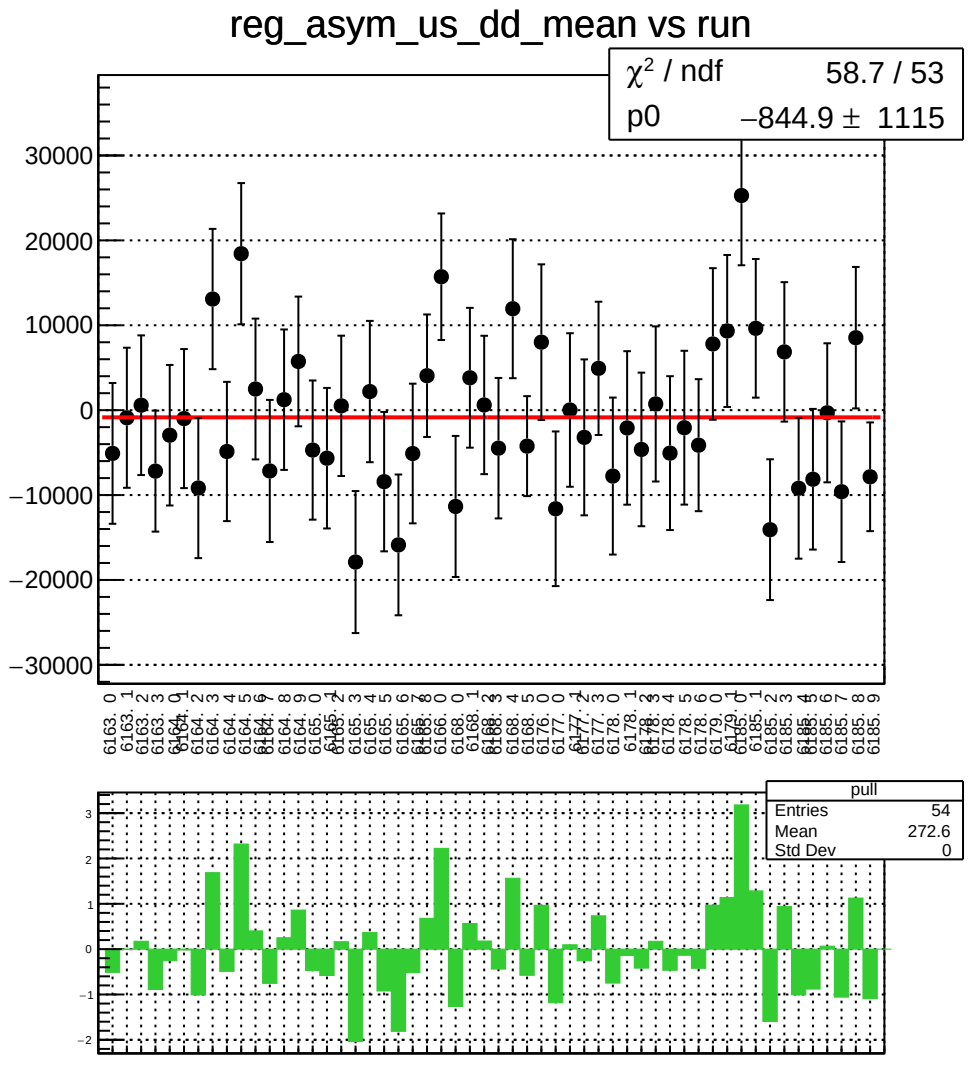
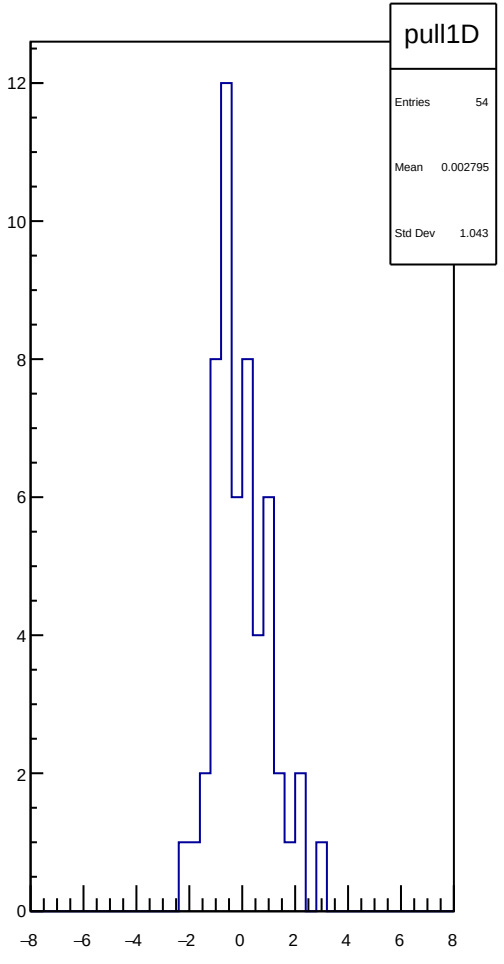
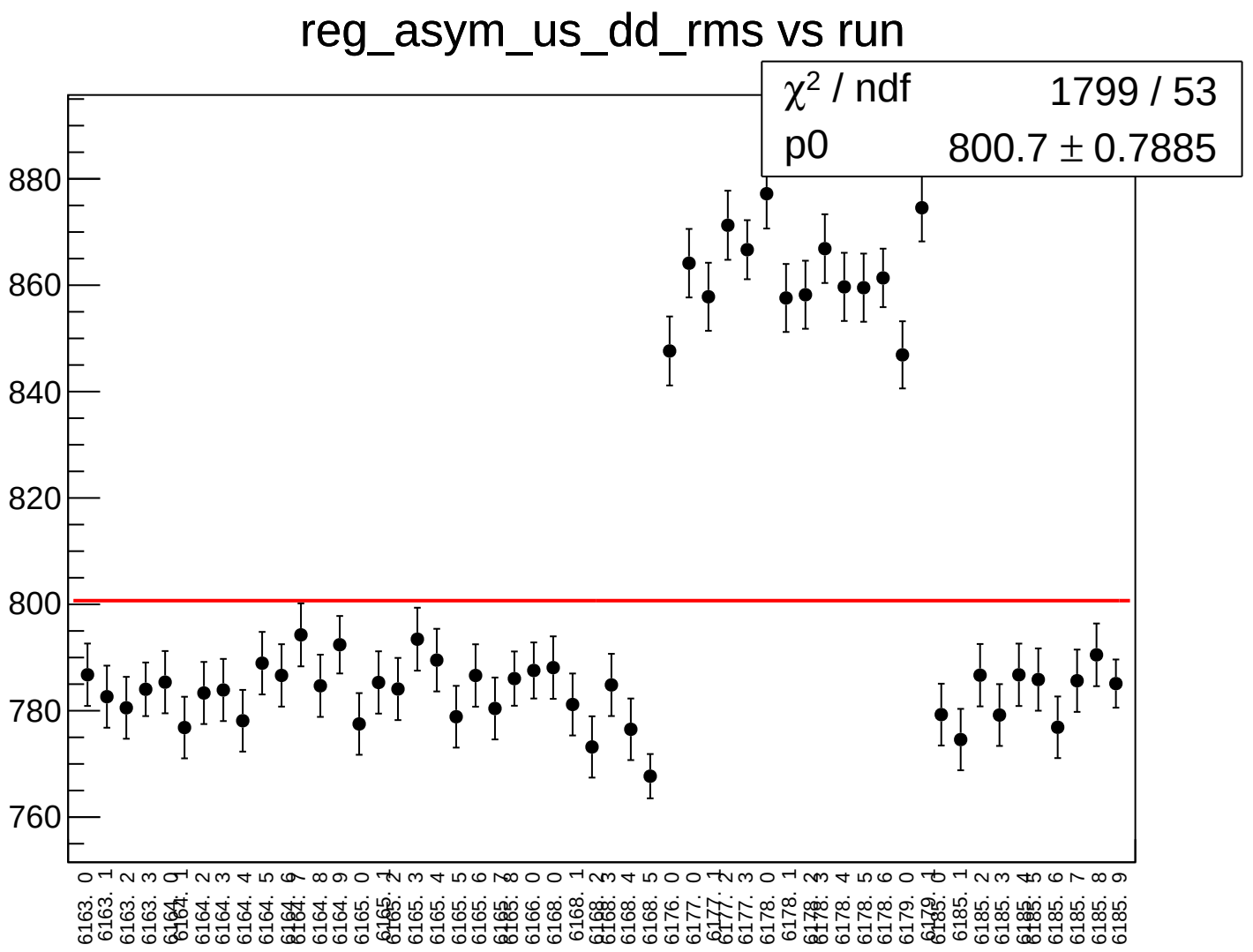
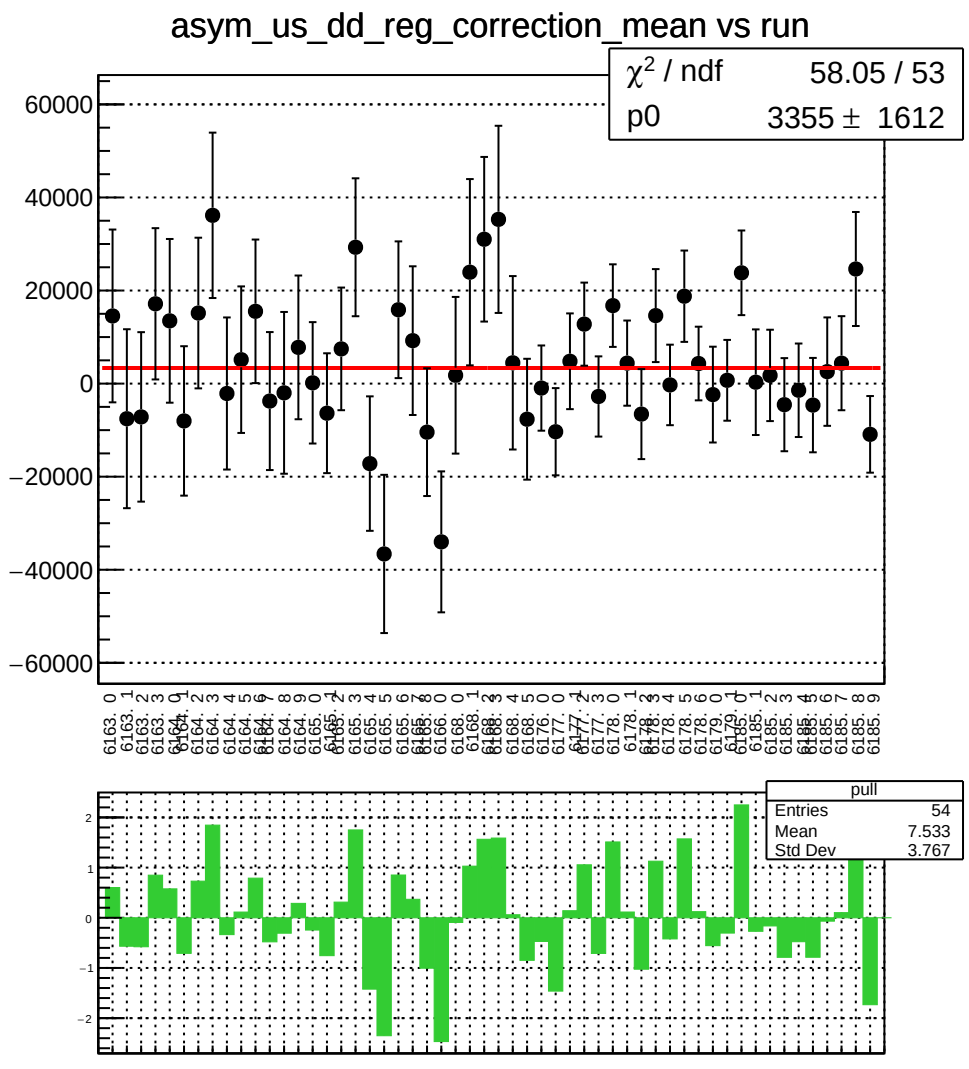
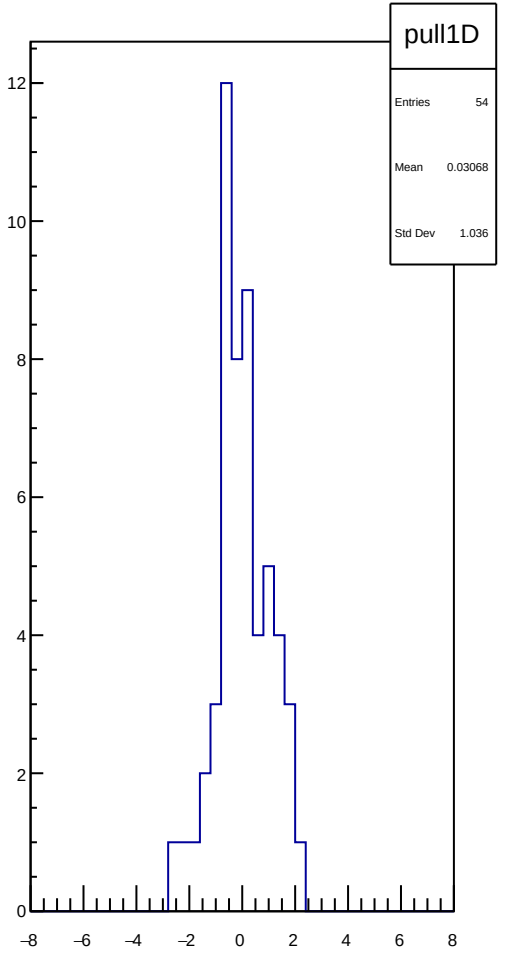
6185. 8
6185. 9

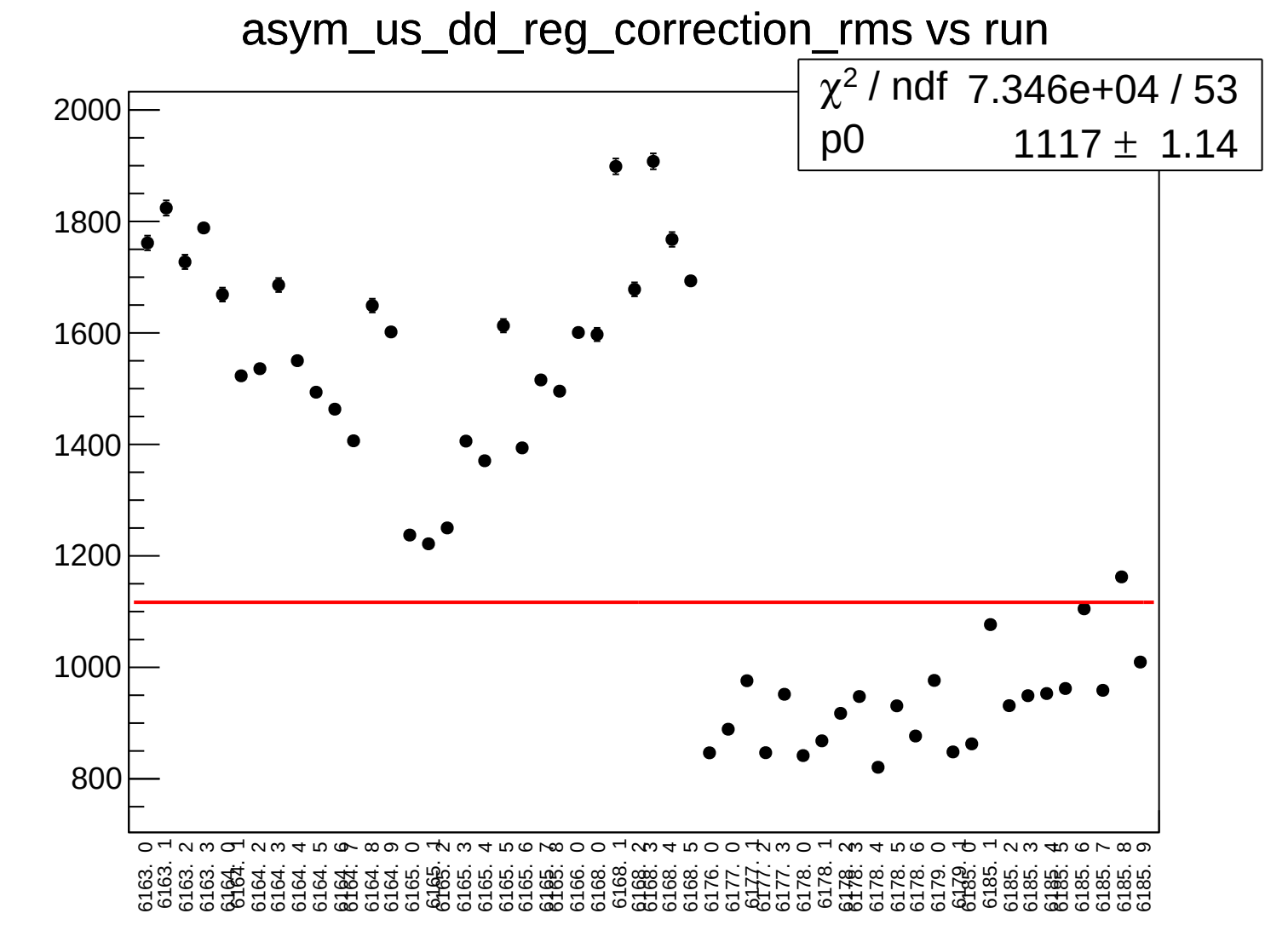

reg_asym_us_dd_mean vs run
χ² / ndf 58.7 / 53
p0 −844.9 ± 1115
pull
Entries 54
Mean 272.6
Std Dev 0

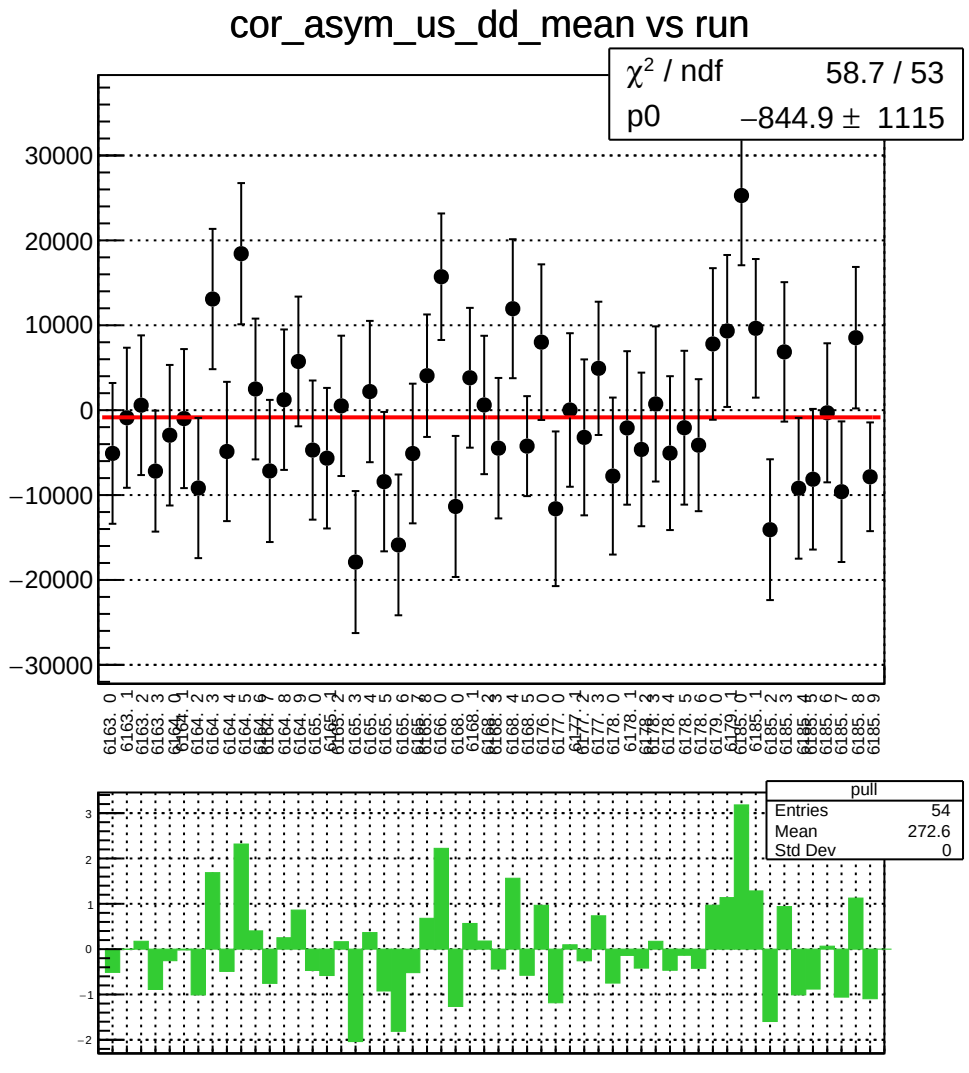

pull1D
Entries 54
Mean 0.002795
Std Dev 1.043

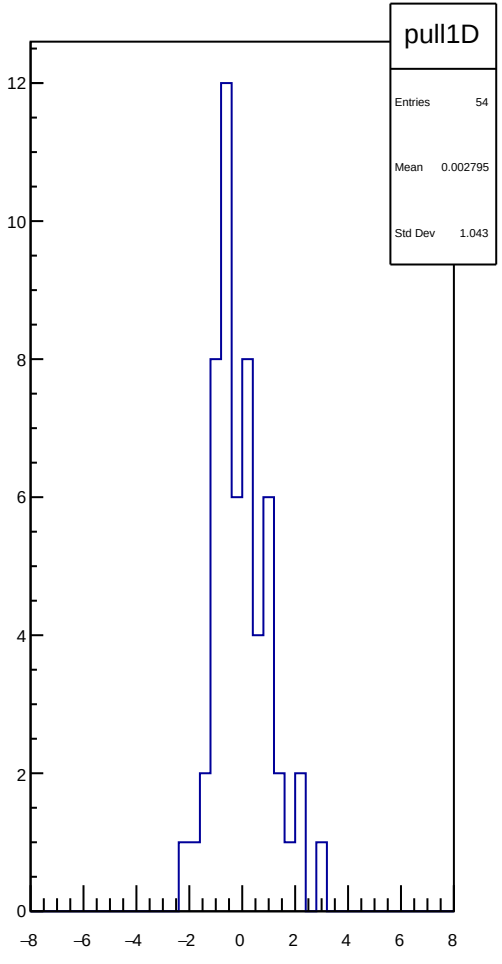

reg_asym_us_dd_rms vs run
χ² / ndf 1799 / 53
p0 800.7 ± 0.7885
880
860
840
820
800
780
760
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

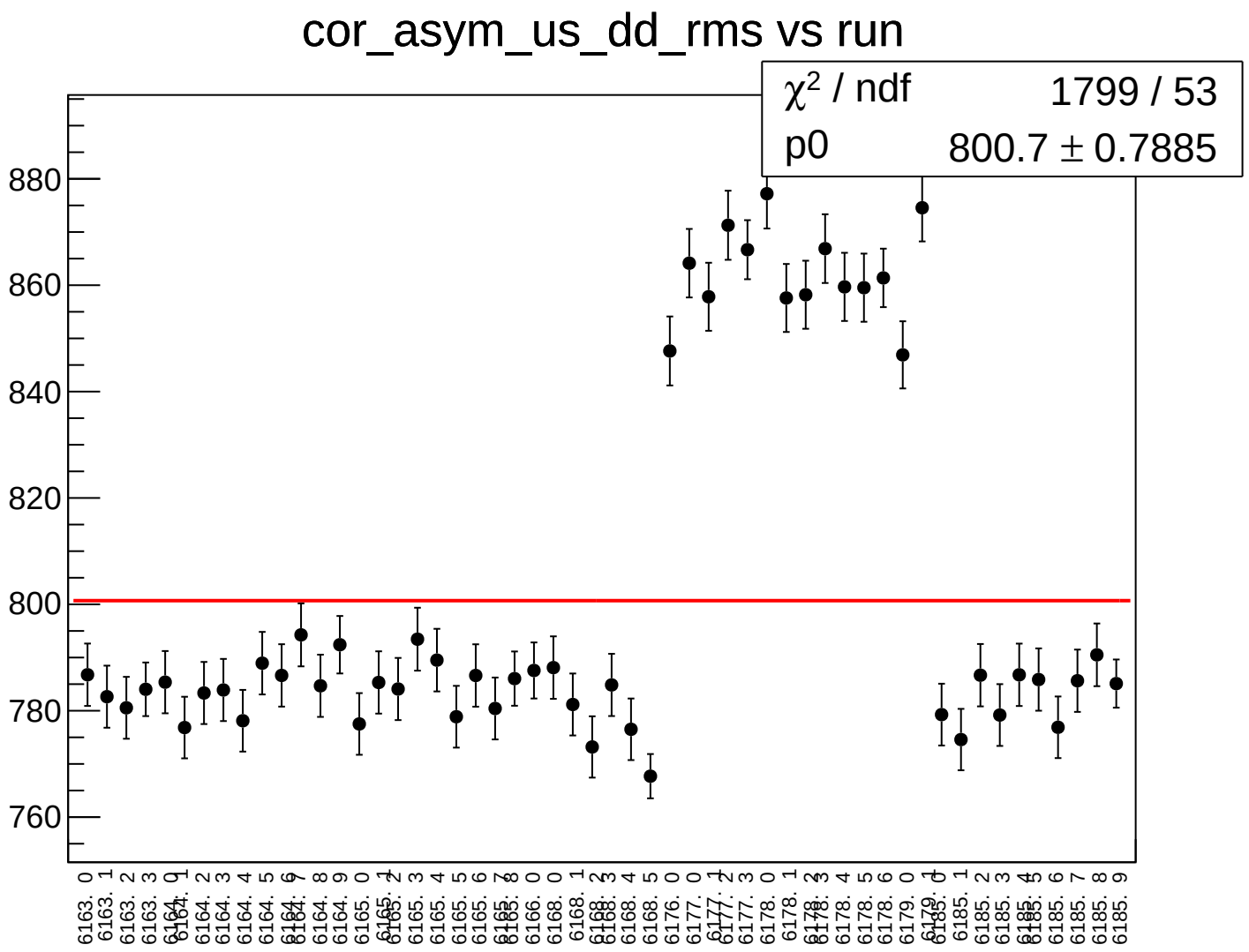

asym_us_dd_reg_correction_mean vs run
χ² / ndf 58.05 / 53
p0 3355 ± 1612
pull
Entries 54
Mean 7.533
Std Dev 3.767

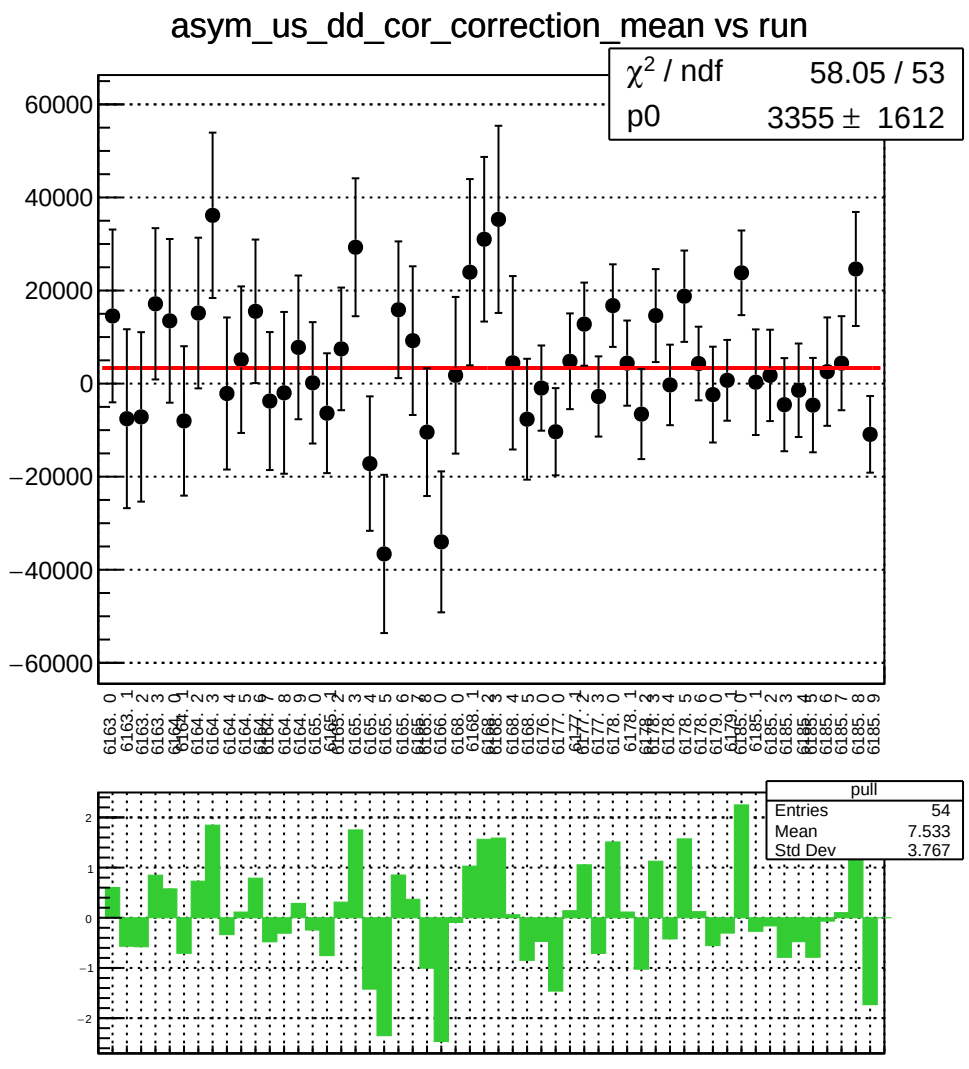

pull1D
Entries 54
Mean 0.03068
Std Dev 1.036

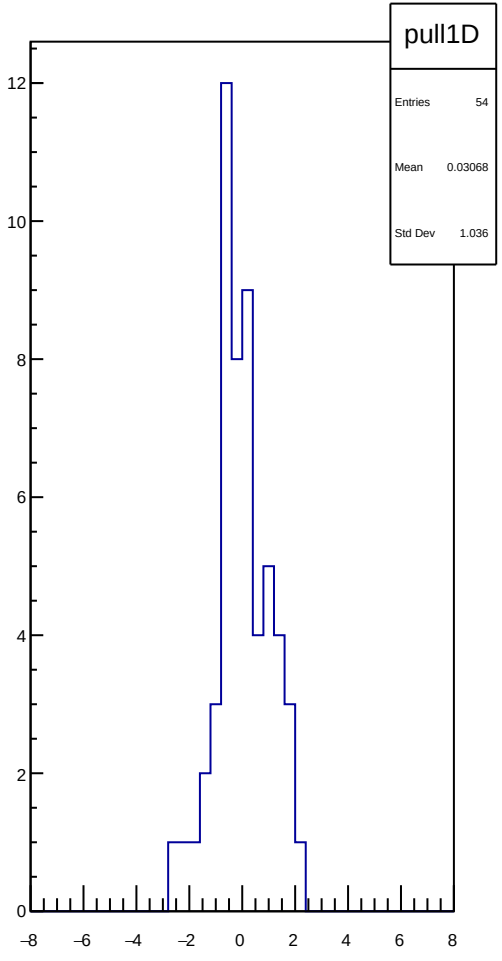

asym_us_dd_reg_correction_rms vs run
χ² / ndf 7.346e+04 / 53
p0 1117 ± 1.14
2000
1800
1600
1400
1200
1000
800
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

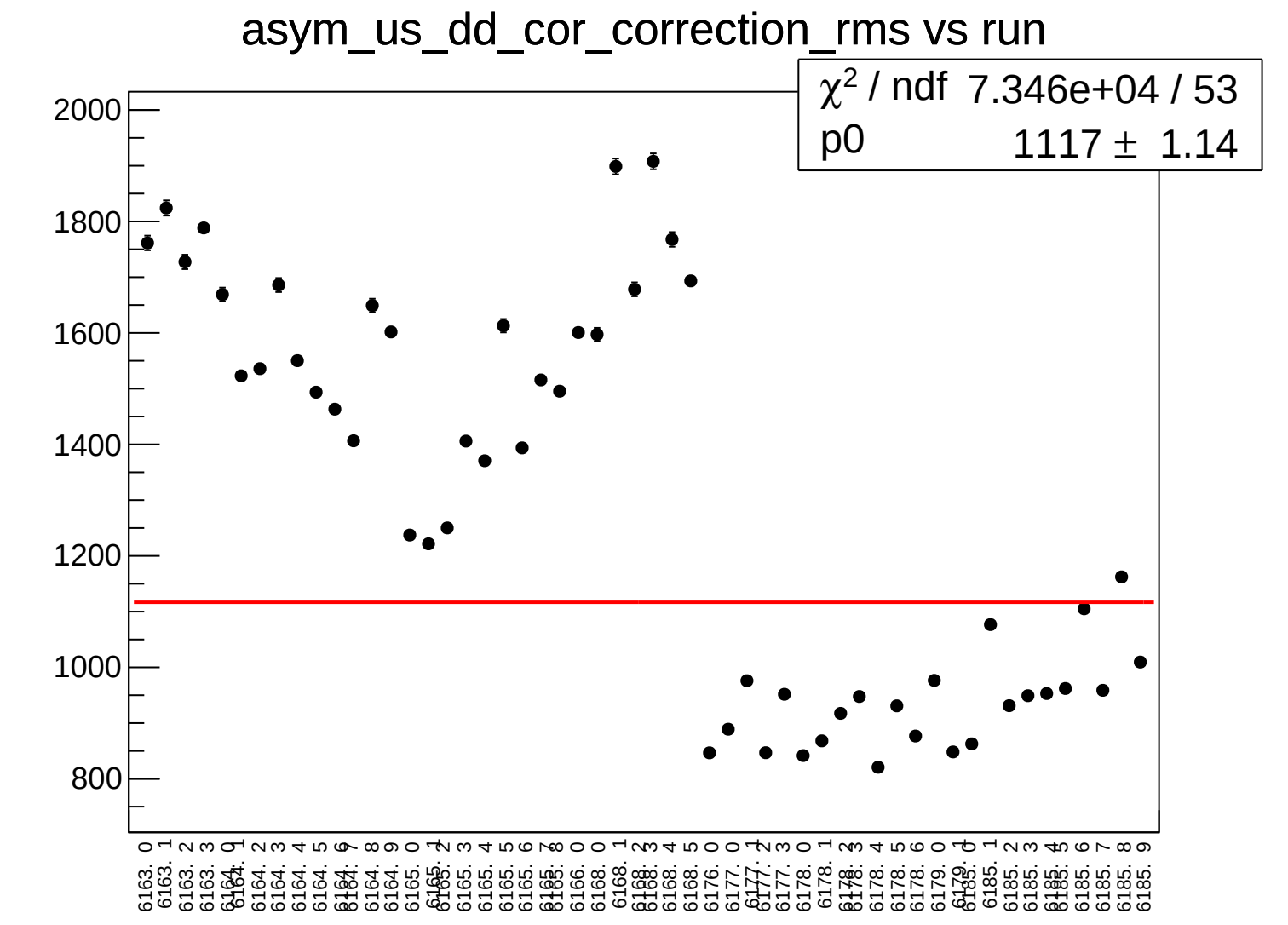

cor_asym_us_dd_mean vs run
χ² / ndf 58.7 / 53
p0 −844.9 ± 1115
pull
Entries 54
Mean 272.6
Std Dev 0

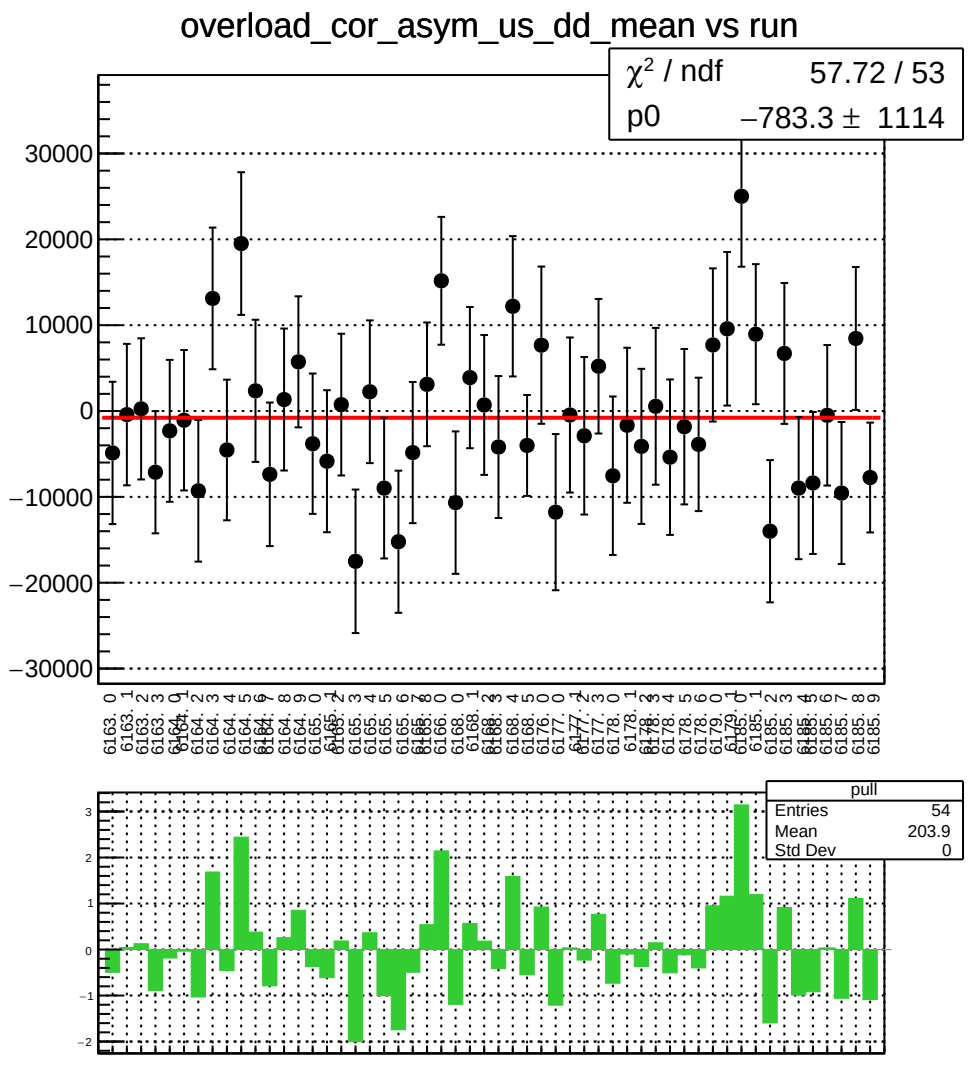

pull1D
Entries 54
Mean 0.002795
Std Dev 1.043

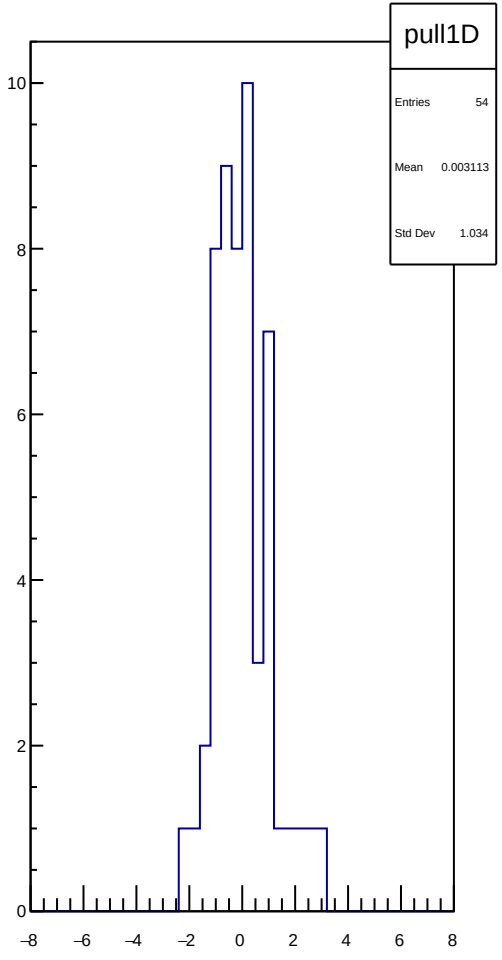

cor_asym_us_dd_rms vs run
χ² / ndf 1799 / 53
p0 800.7 ± 0.7885
880
860
840
820
800
780
760
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

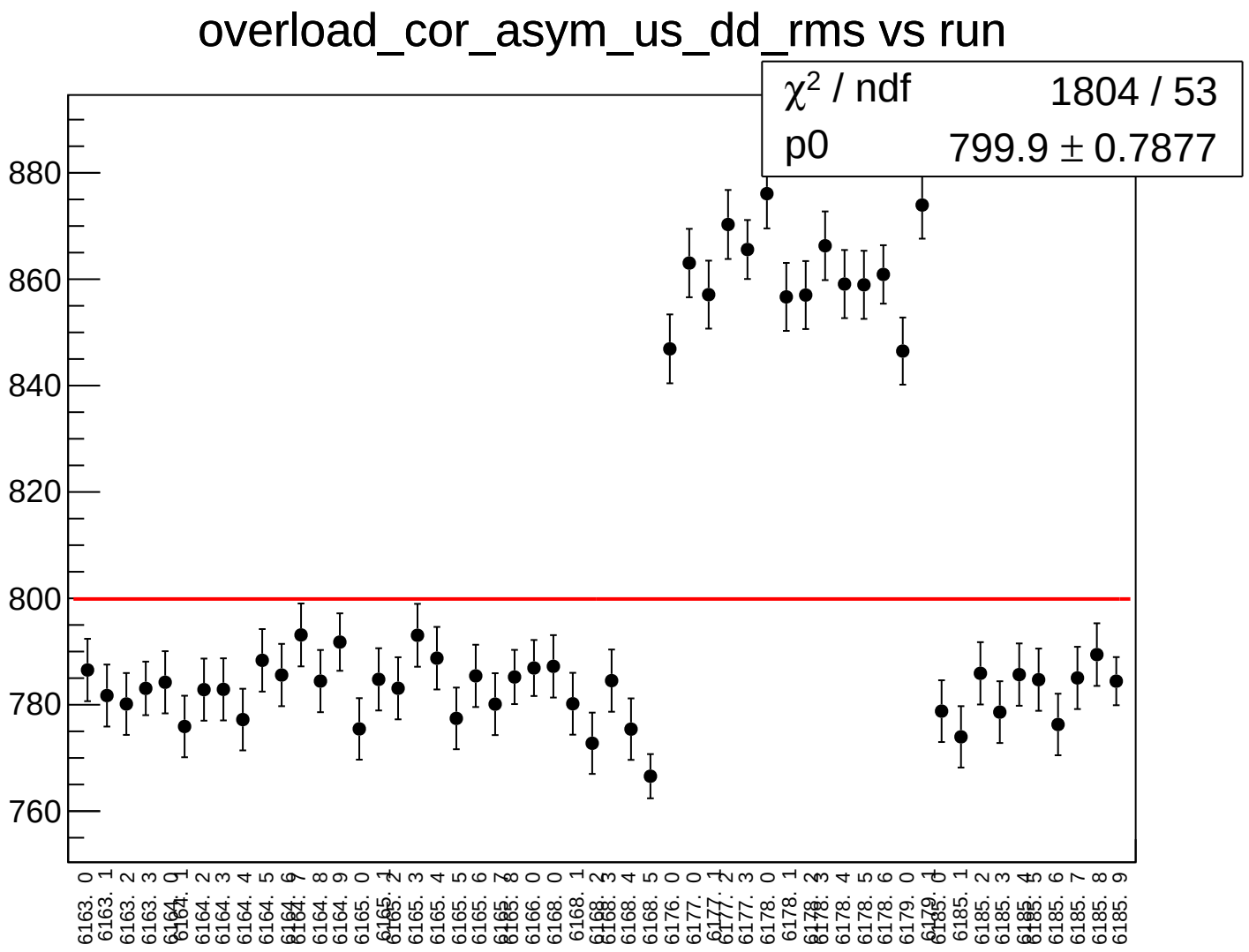

asym_us_dd_cor_correction_mean vs run
χ² / ndf 58.05 / 53
p0 3355 ± 1612
pull
Entries 54
Mean 7.533
Std Dev 3.767


pull1D
Entries 54
Mean 0.03068
Std Dev 1.036


asym_us_dd_cor_correction_rms vs run
χ² / ndf 7.346e+04 / 53
p0 1117 ± 1.14
2000
1800
1600
1400
1200
1000
800
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


overload_cor_asym_us_dd_mean vs run
χ² / ndf 57.72 / 53
p0 −783.3 ± 1114
pull
Entries 54
Mean 203.9
Std Dev 0


pull1D
Entries 54
Mean 0.003113
Std Dev 1.034


overload_cor_asym_us_dd_rms vs run
χ² / ndf 1804 / 53
p0 799.9 ± 0.7877
880
860
840
820
800
780
760
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
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6179. 0
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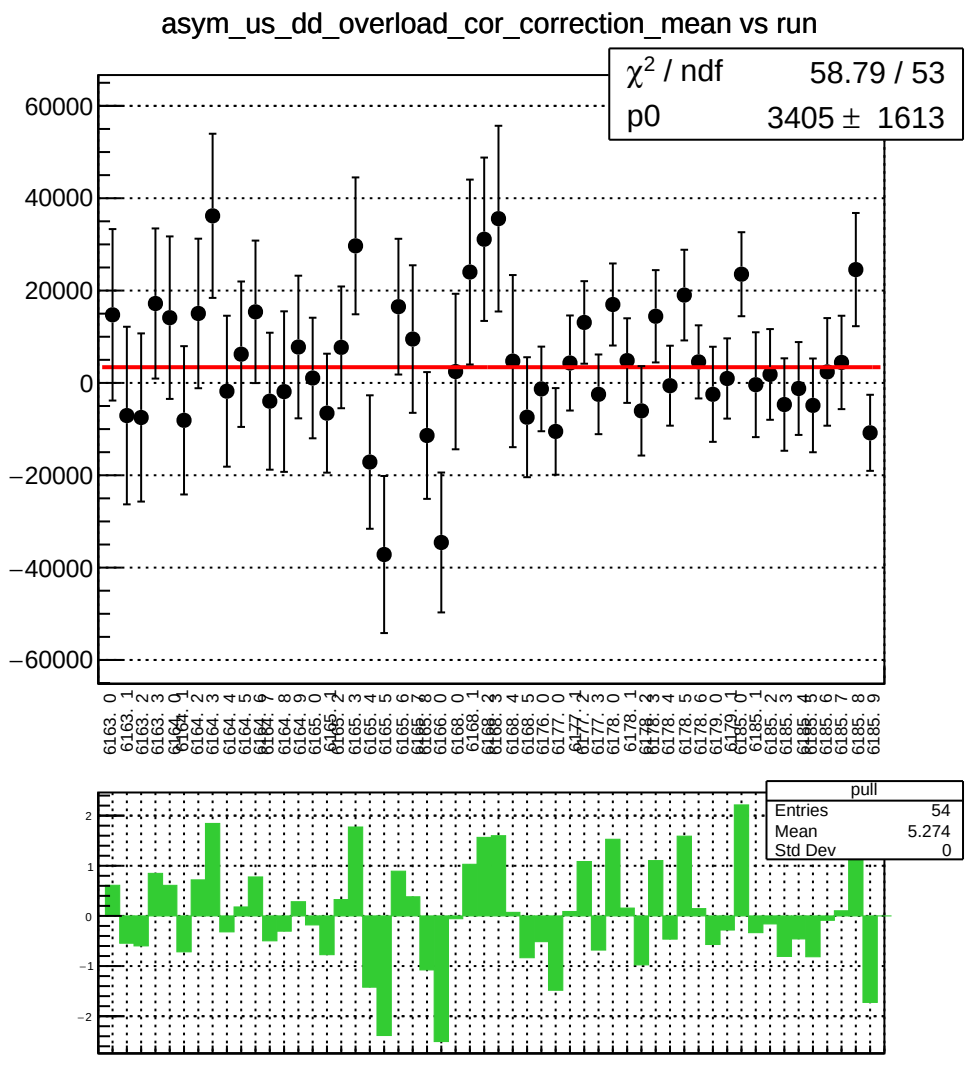
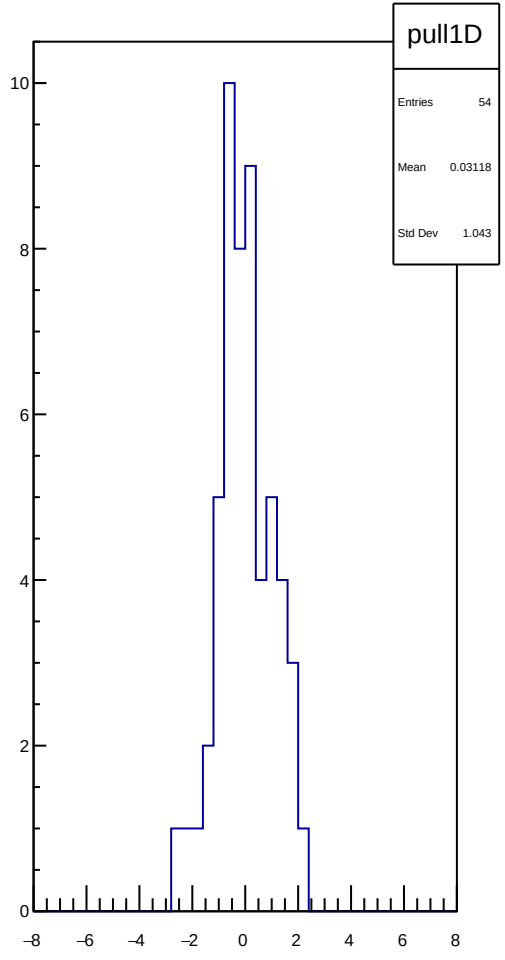
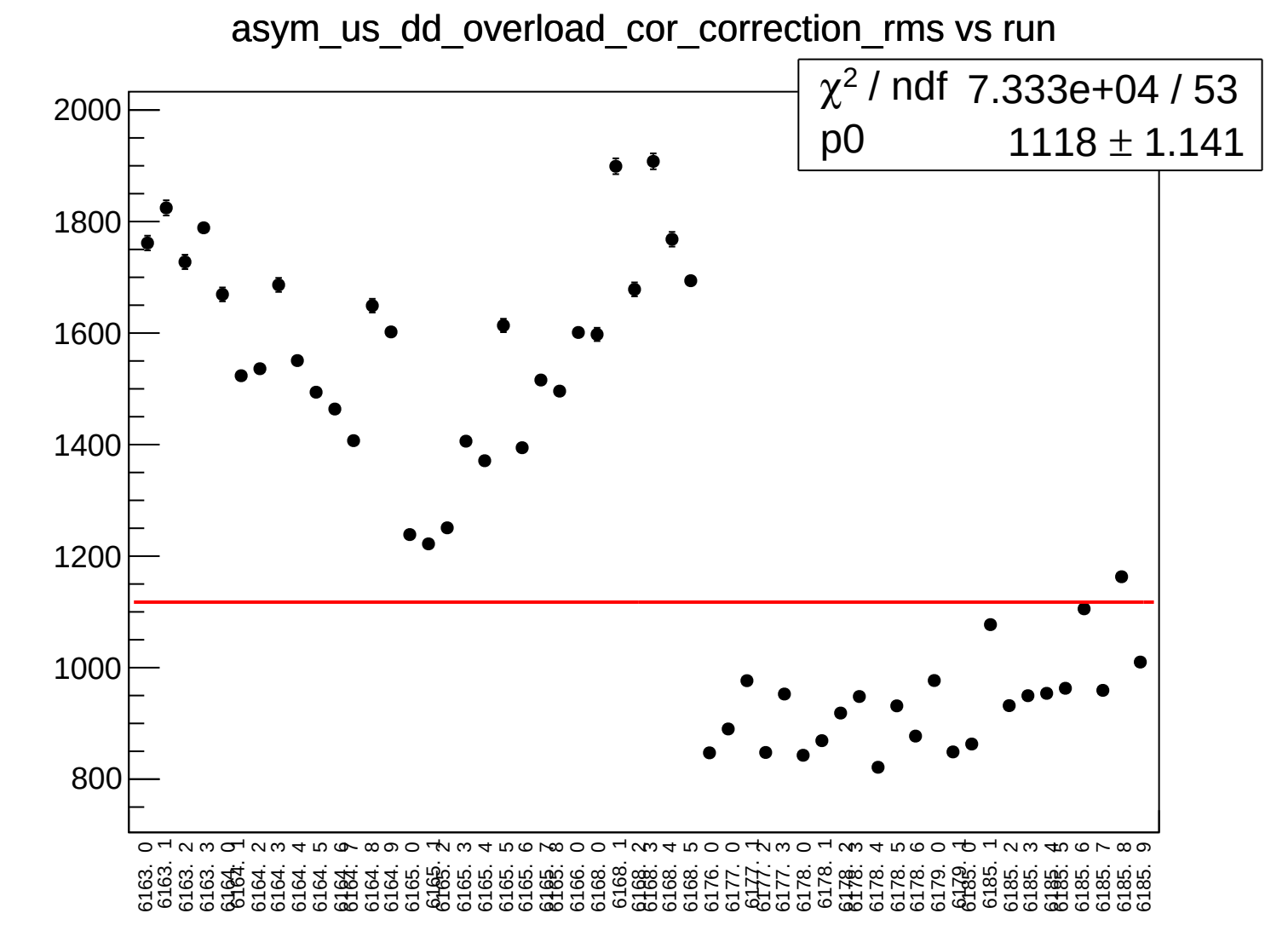
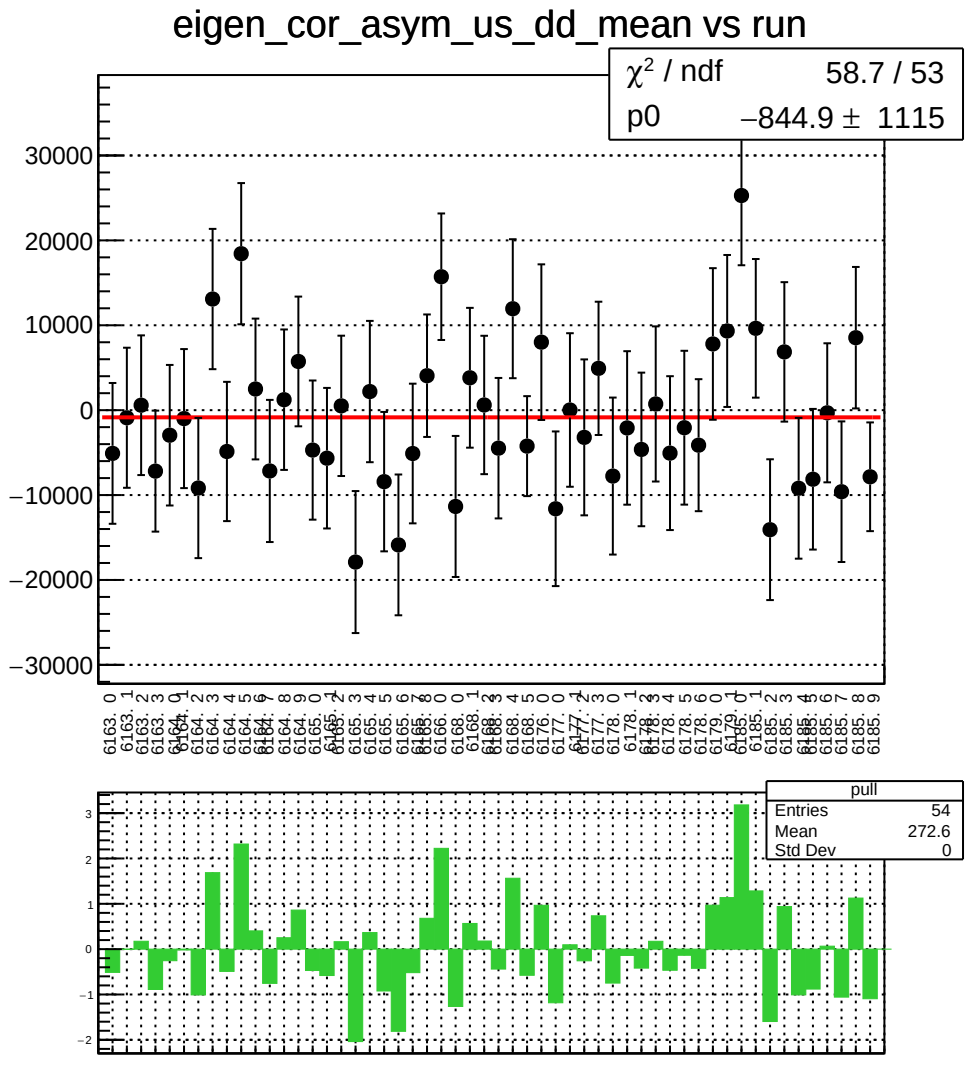
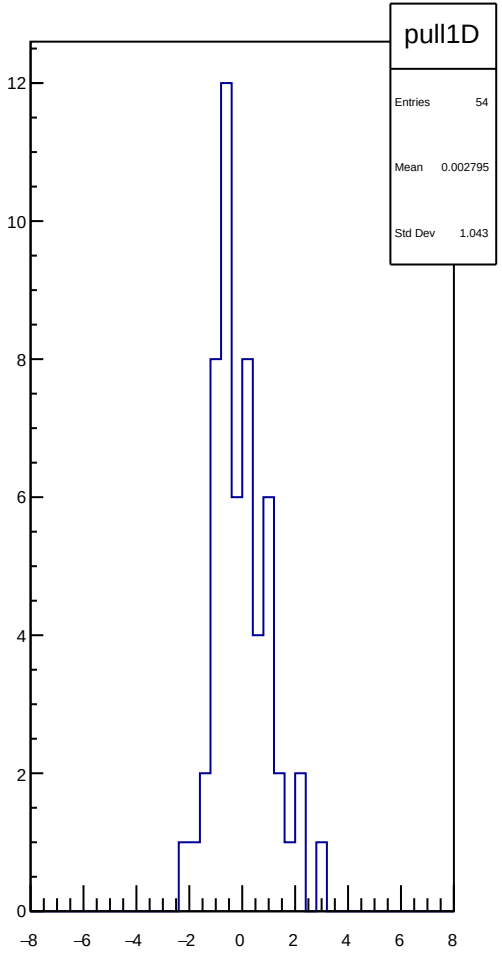
6185. 6
6185. 7
6185. 8
6185. 9

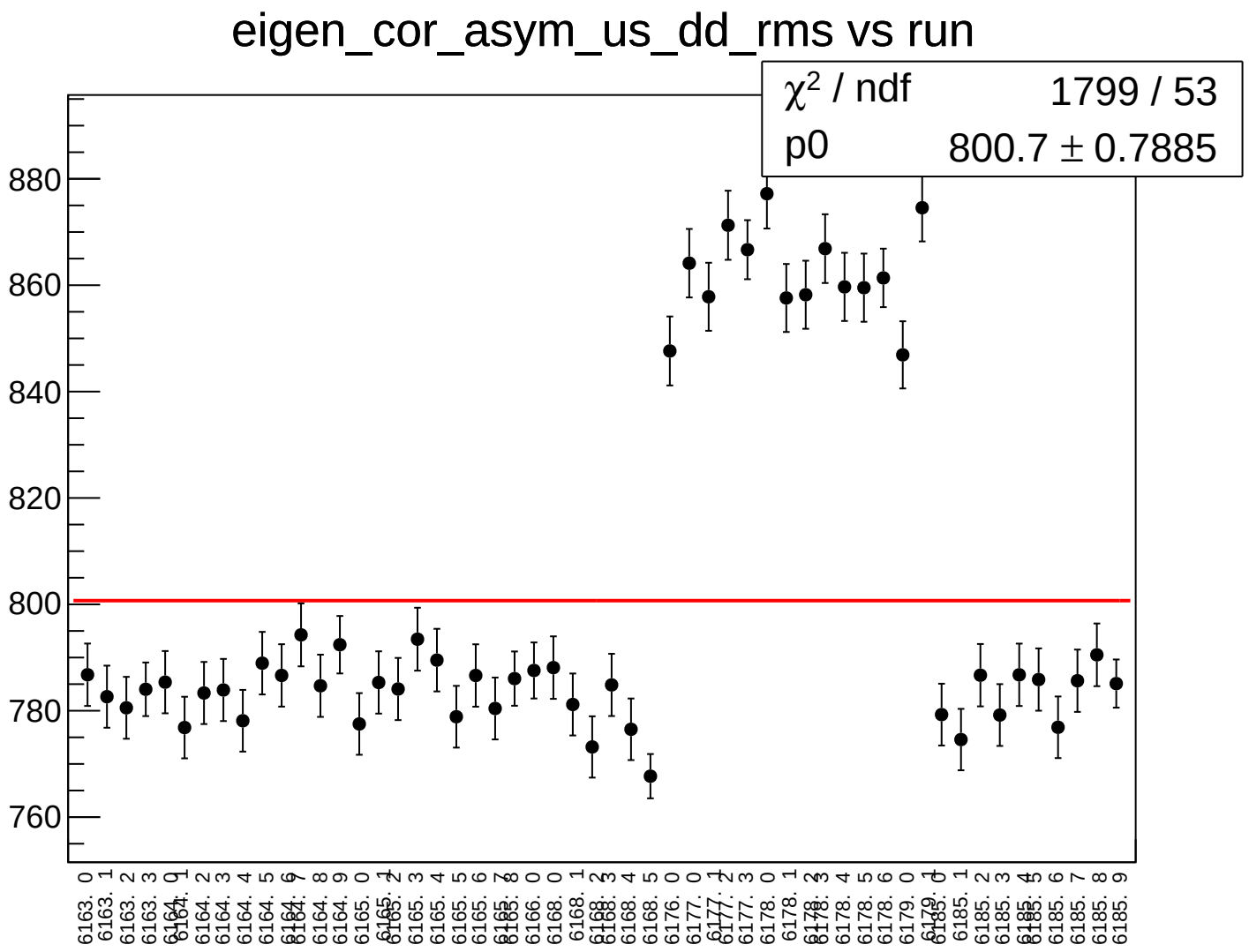

asym_us_dd_overload_cor_correction_mean vs run
χ² / ndf 58.79 / 53
p0 3405 ± 1613
pull
Entries 54
Mean 5.274
Std Dev 0


pull1D
Entries 54
Mean 0.03118
Std Dev 1.043


asym_us_dd_overload_cor_correction_rms vs run
χ² / ndf 7.333e+04 / 53
p0 1118 ± 1.141
2000
1800
1600
1400
1200
1000
800
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


eigen_cor_asym_us_dd_mean vs run
χ² / ndf 58.7 / 53
p0 −844.9 ± 1115
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 54
Mean 272.6
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 54
Mean 0.002795
Std Dev 1.043
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_us_dd_rms vs run
χ^2 / ndf 1799 / 53
p0 800.7 ± 0.7885
880
860
840
820
800
780
760
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
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6179. 0
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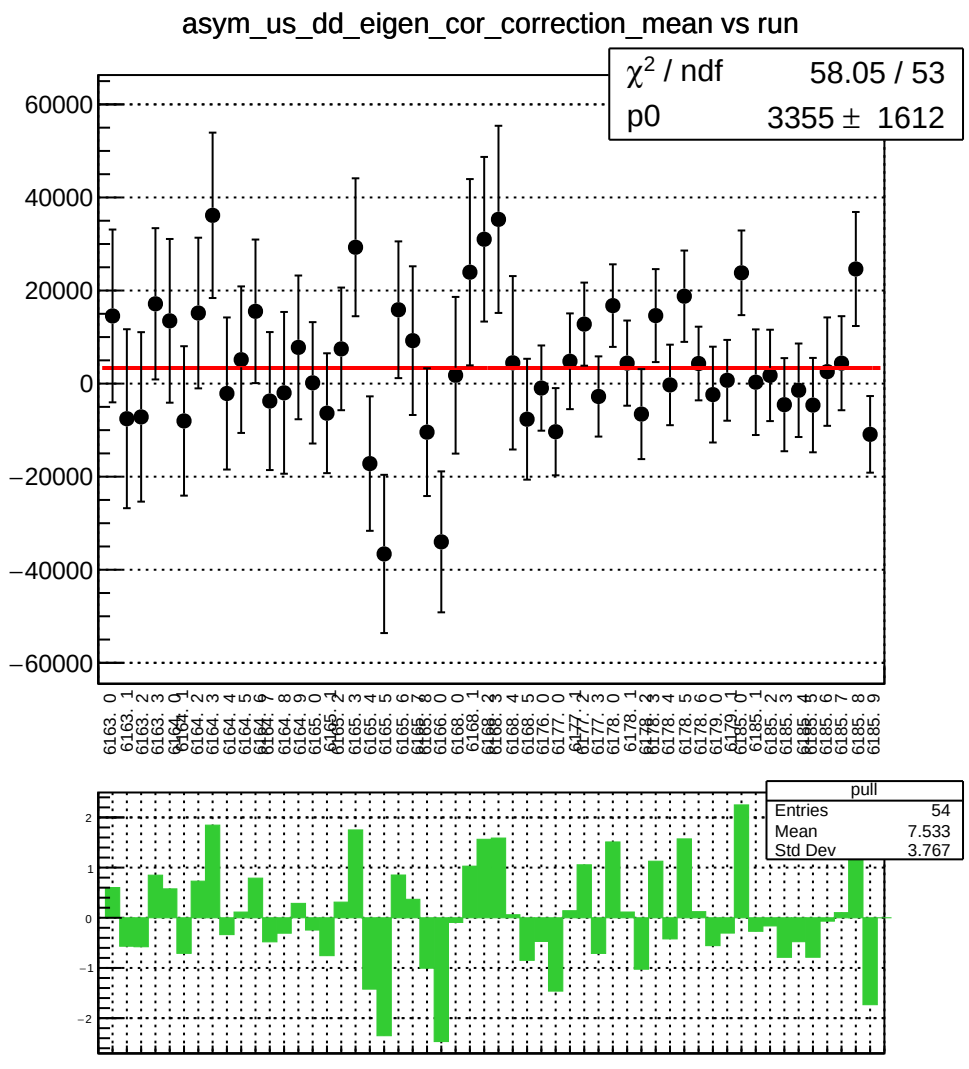
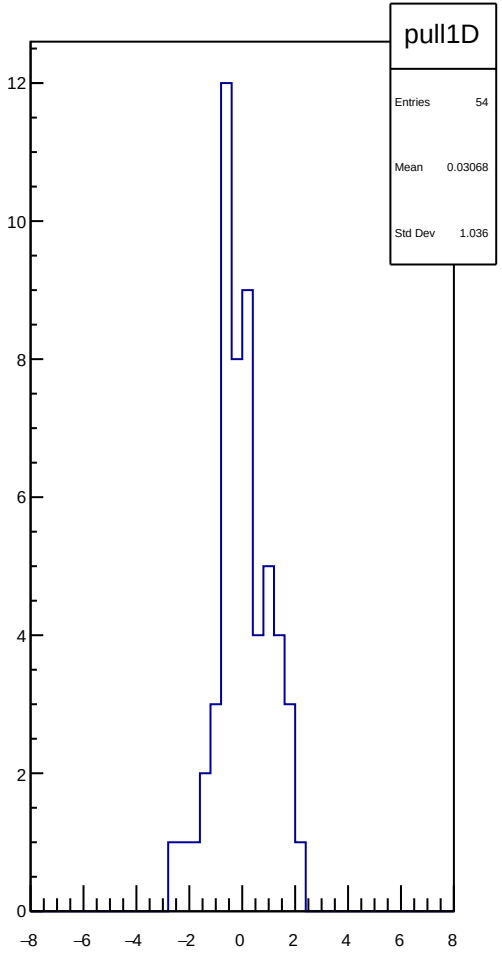
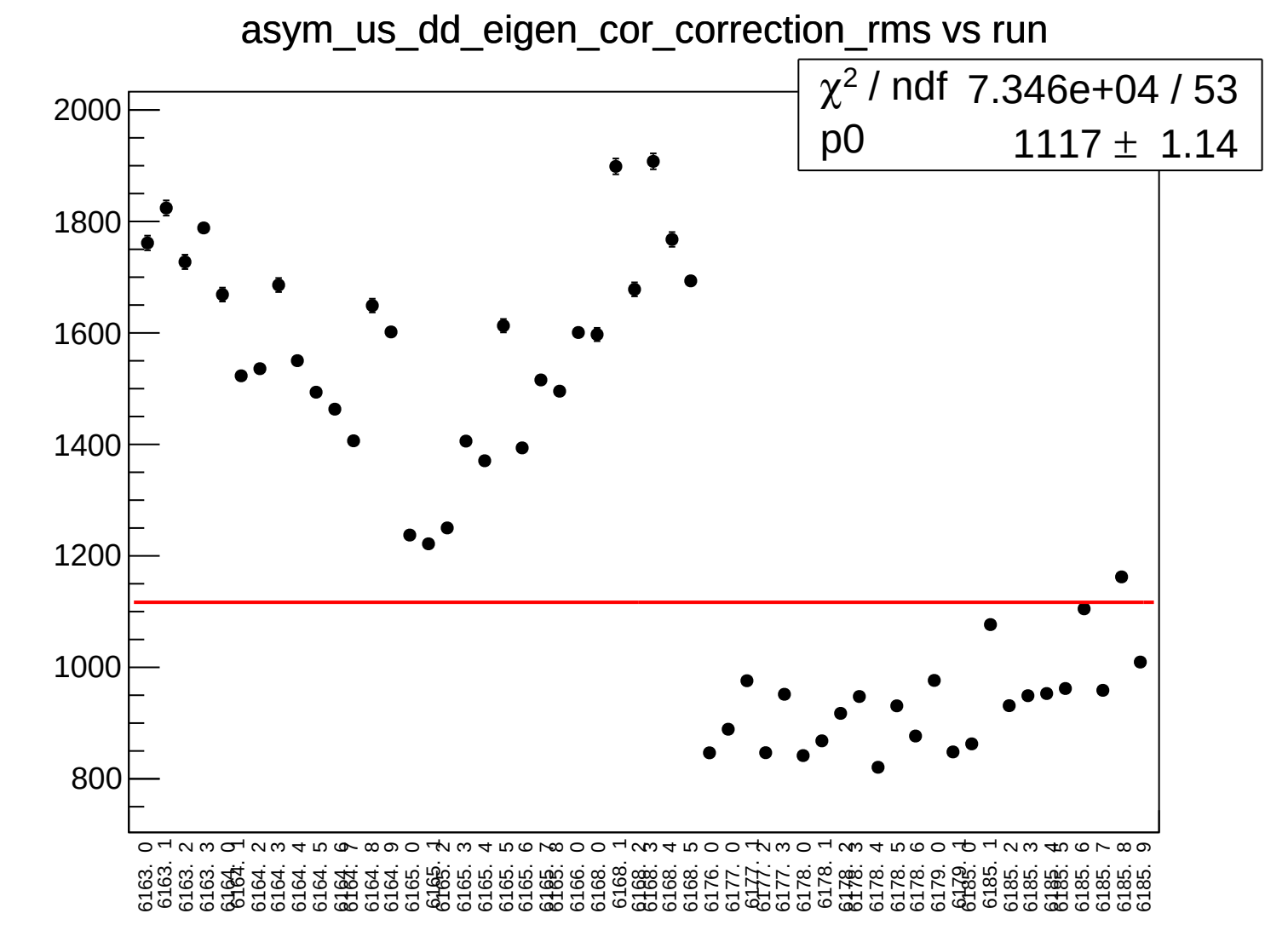
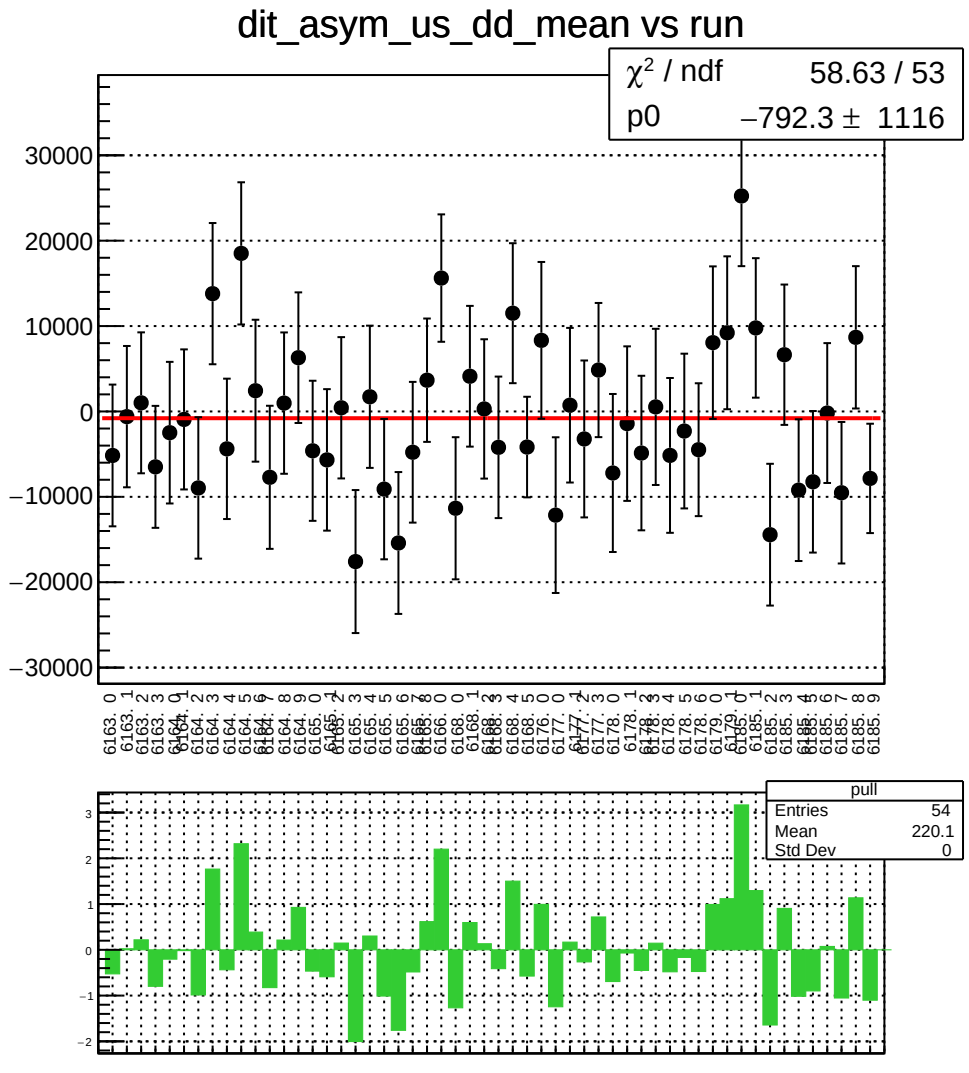
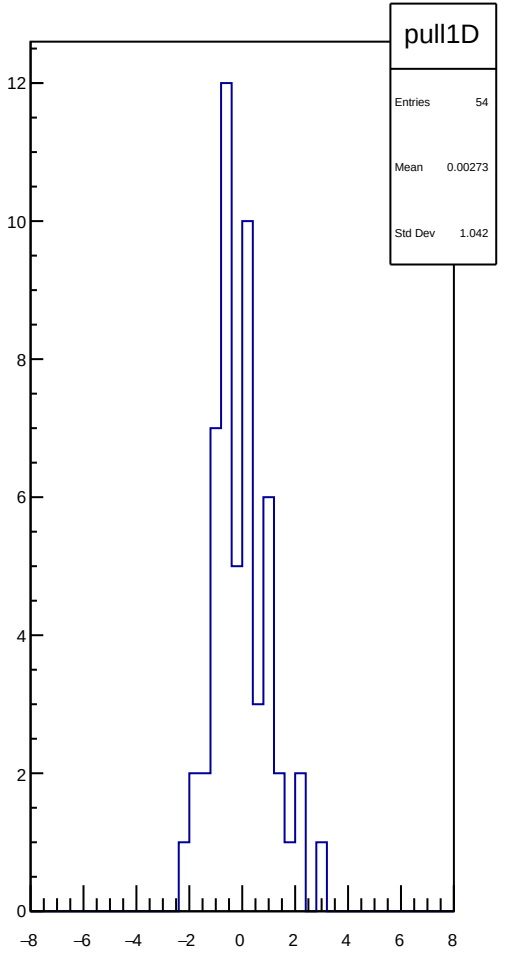
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

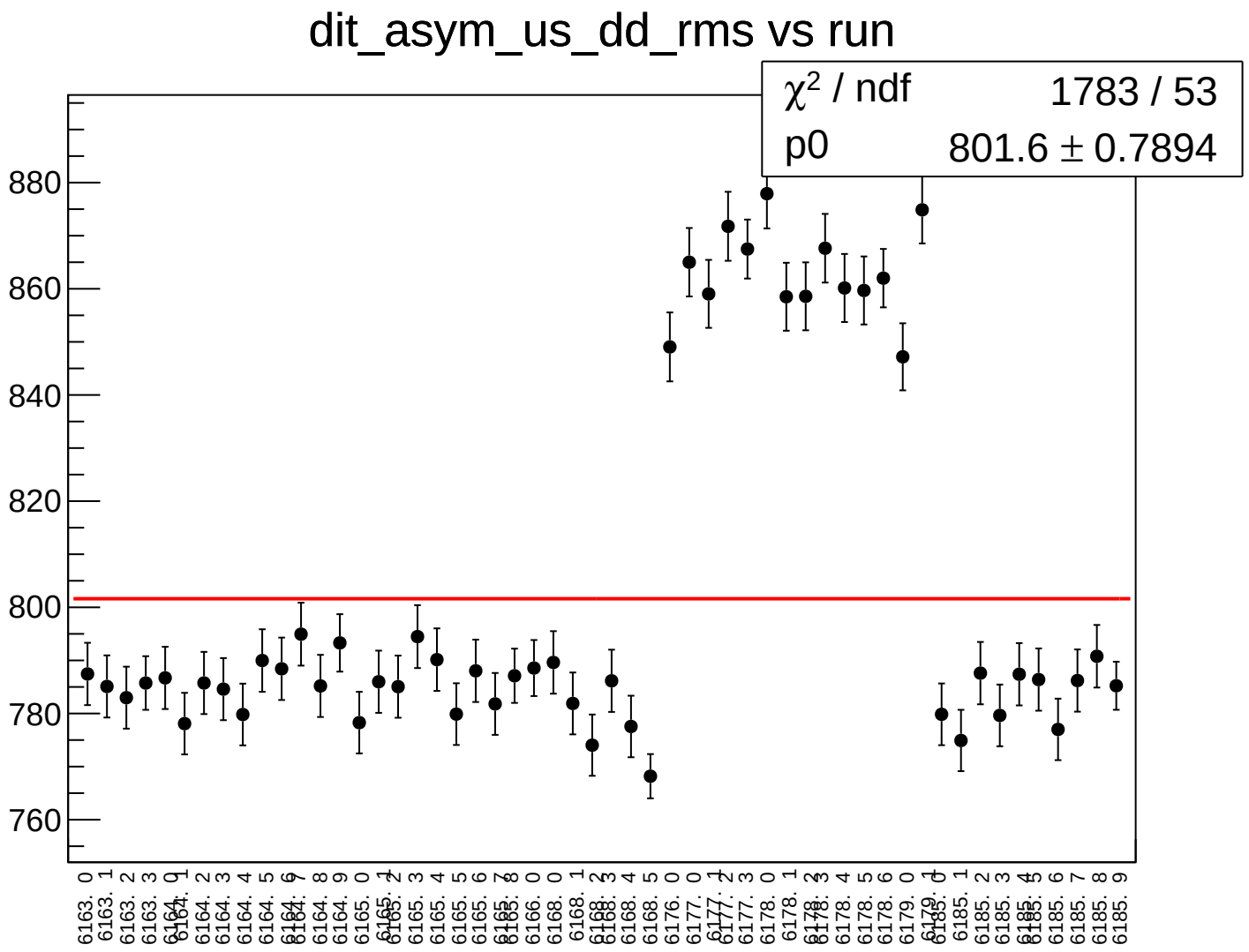

asym_us_dd_eigen_cor_correction_mean vs run
χ² / ndf 58.05 / 53
p0 3355 ± 1612
pull
Entries 54
Mean 7.533
Std Dev 3.767

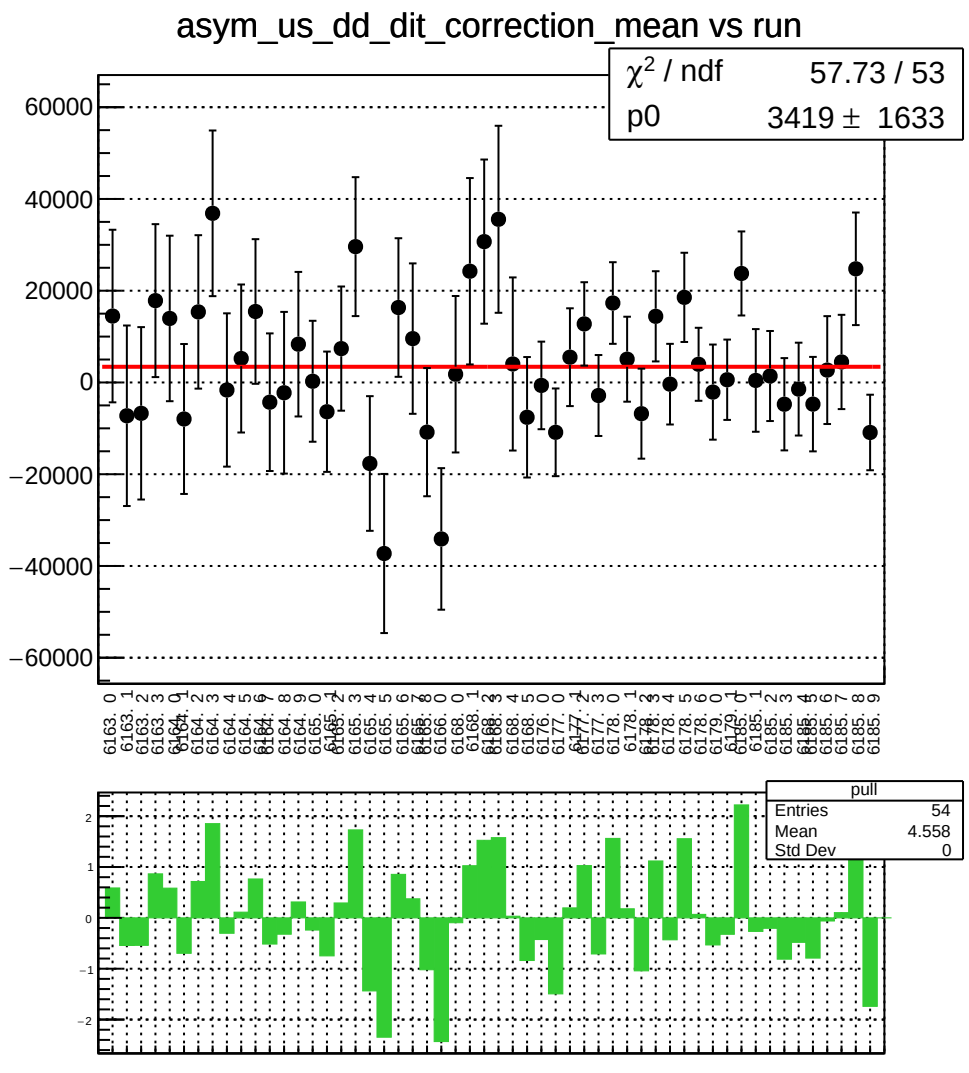

pull1D
Entries 54
Mean 0.03068
Std Dev 1.036

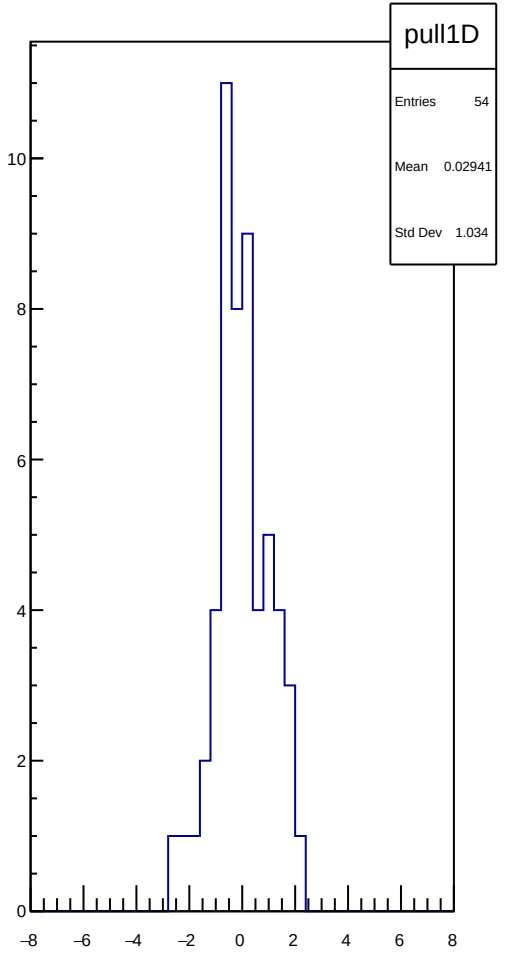

asym_us_dd_eigen_cor_correction_rms vs run
χ² / ndf 7.346e+04 / 53
p0 1117 ± 1.14
2000
1800
1600
1400
1200
1000
800
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

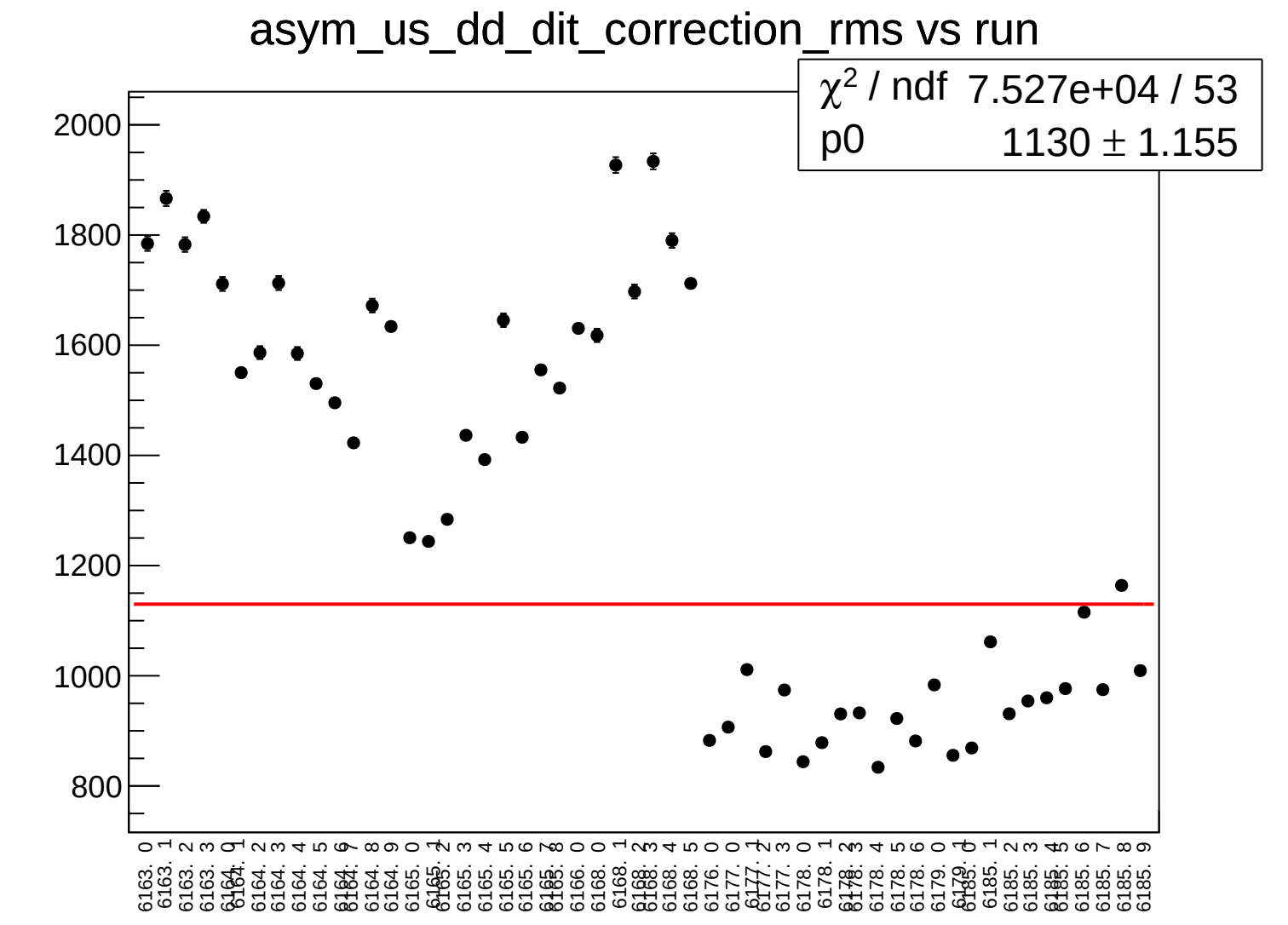

dit_asym_us_dd_mean vs run
χ² / ndf 58.63 / 53
p0 −792.3 ± 1116
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 54
Mean 220.1
Std Dev 0
3
2
1
0
−1
−2

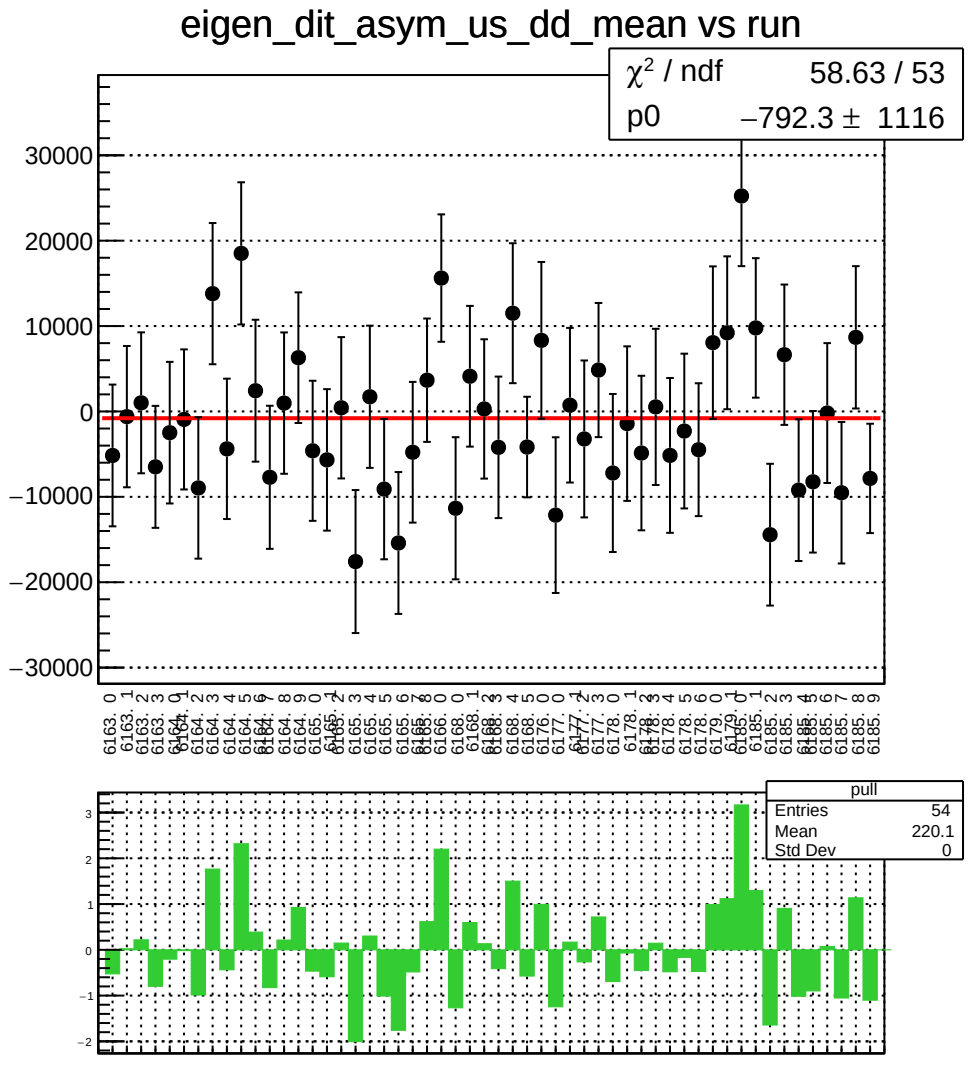

pull1D
Entries 54
Mean 0.00273
Std Dev 1.042
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

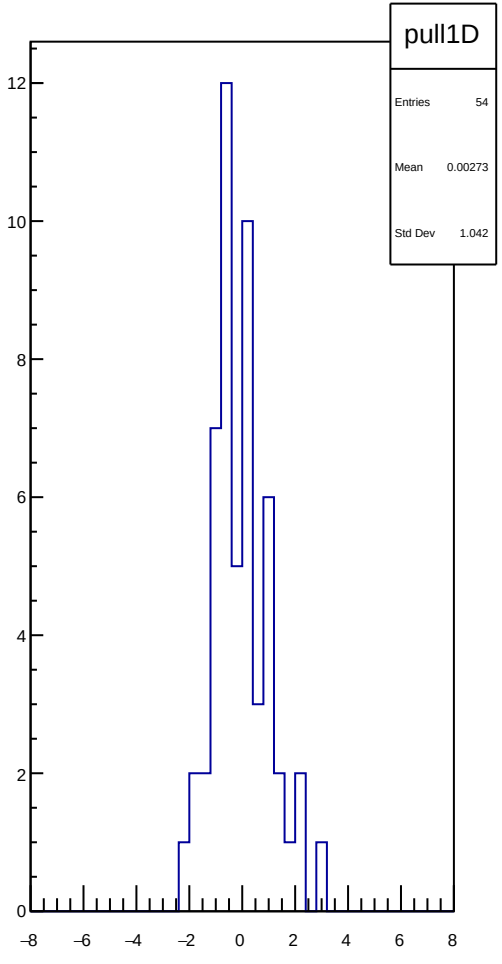

dit_asym_us_dd_rms vs run
χ² / ndf 1783 / 53
p0 801.6 ± 0.7894
880
860
840
820
800
780
760
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

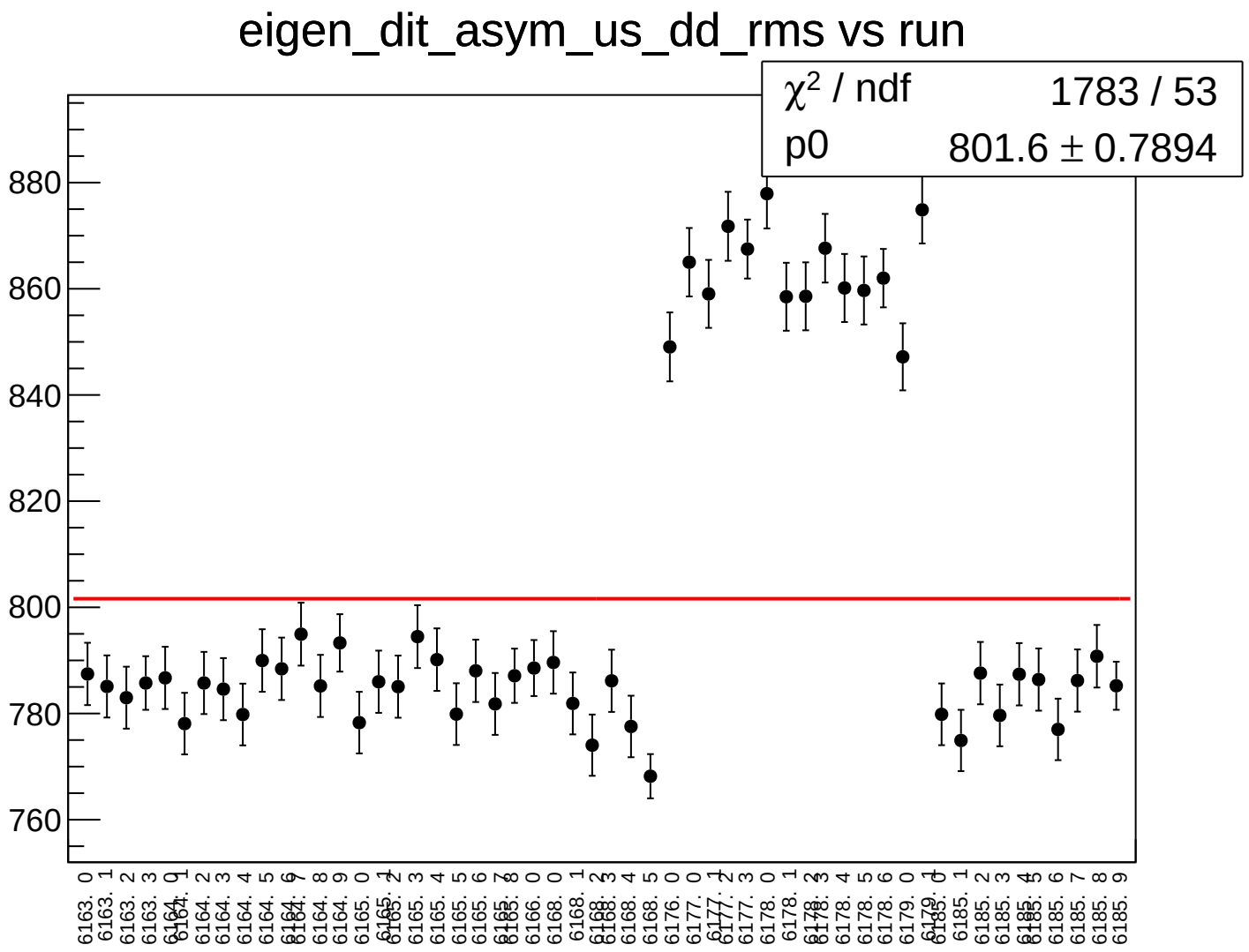

asym_us_dd_dit_correction_mean vs run
χ² / ndf 57.73 / 53
p0 3419 ± 1633
pull
Entries 54
Mean 4.558
Std Dev 0

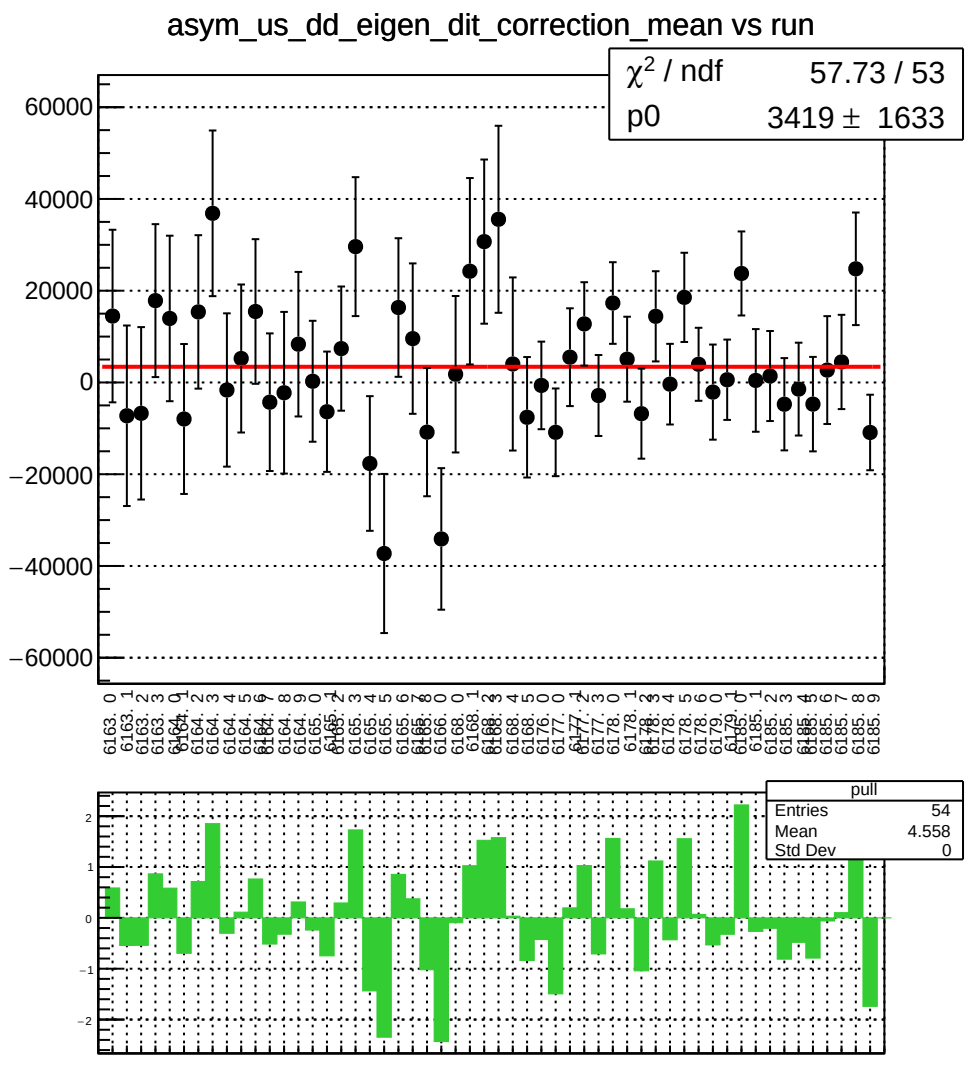

pull1D
Entries 54
Mean 0.02941
Std Dev 1.034

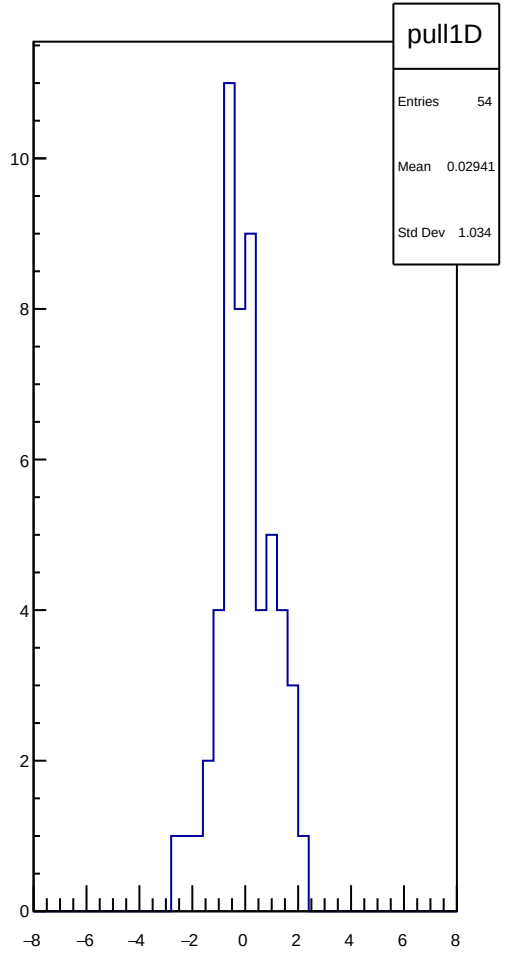

asym_us_dd_dit_correction_rms vs run
χ² / ndf 7.527e+04 / 53
p0 1130 ± 1.155
2000
1800
1600
1400
1200
1000
800
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

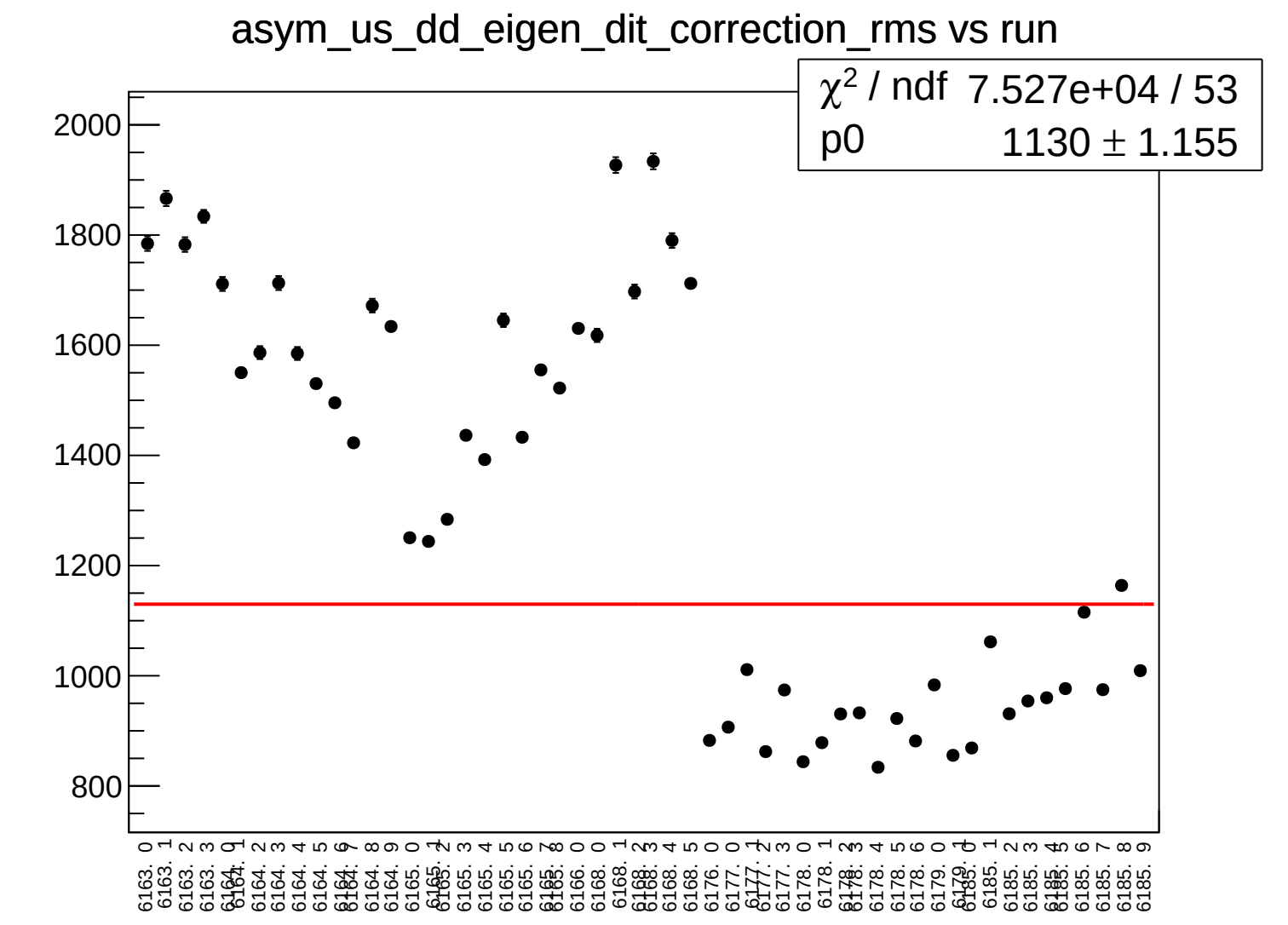

eigen_dit_asym_us_dd_mean vs run
χ² / ndf 58.63 / 53
p0 −792.3 ± 1116
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 54
Mean 220.1
Std Dev 0
3
2
1
0
−1
−2

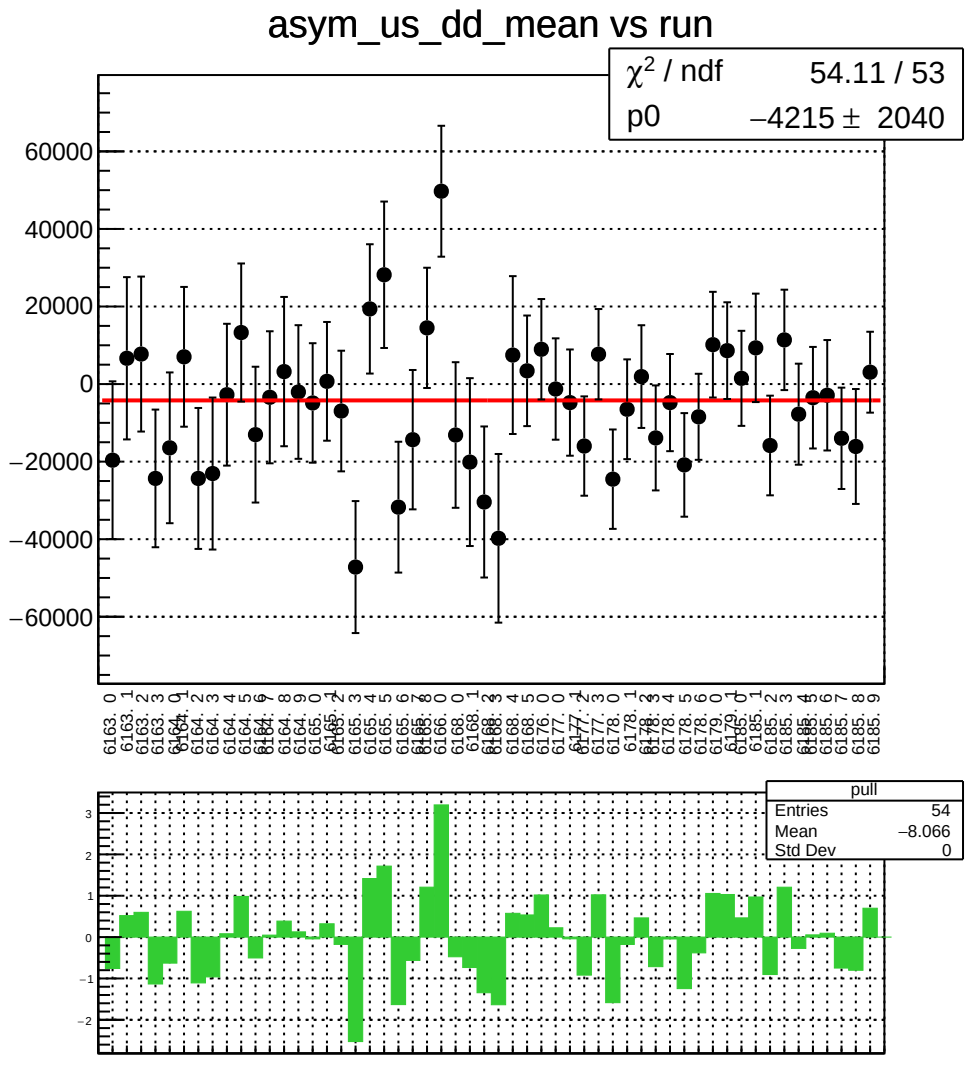

pull1D
Entries 54
Mean 0.00273
Std Dev 1.042
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

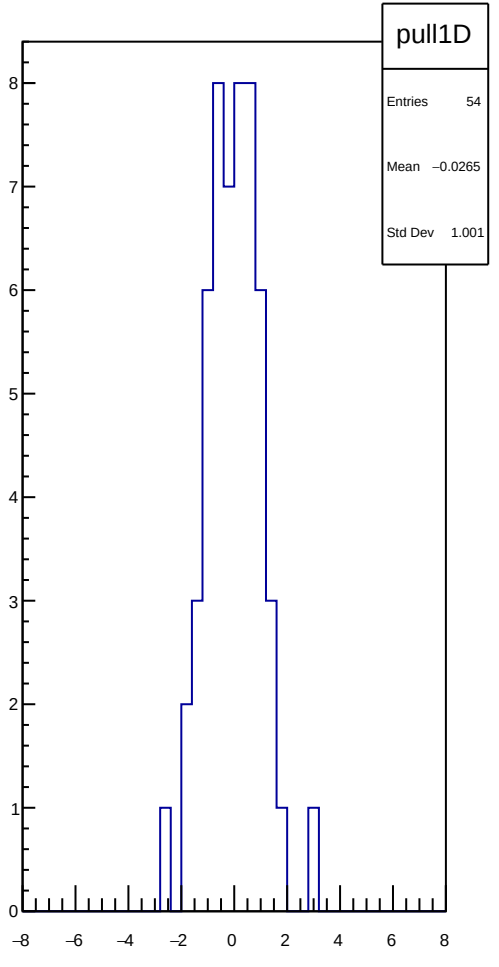

eigen_dit_asym_us_dd_rms vs run
χ^2 / ndf 1783 / 53
p0 801.6 ± 0.7894
880
860
840
820
800
780
760
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

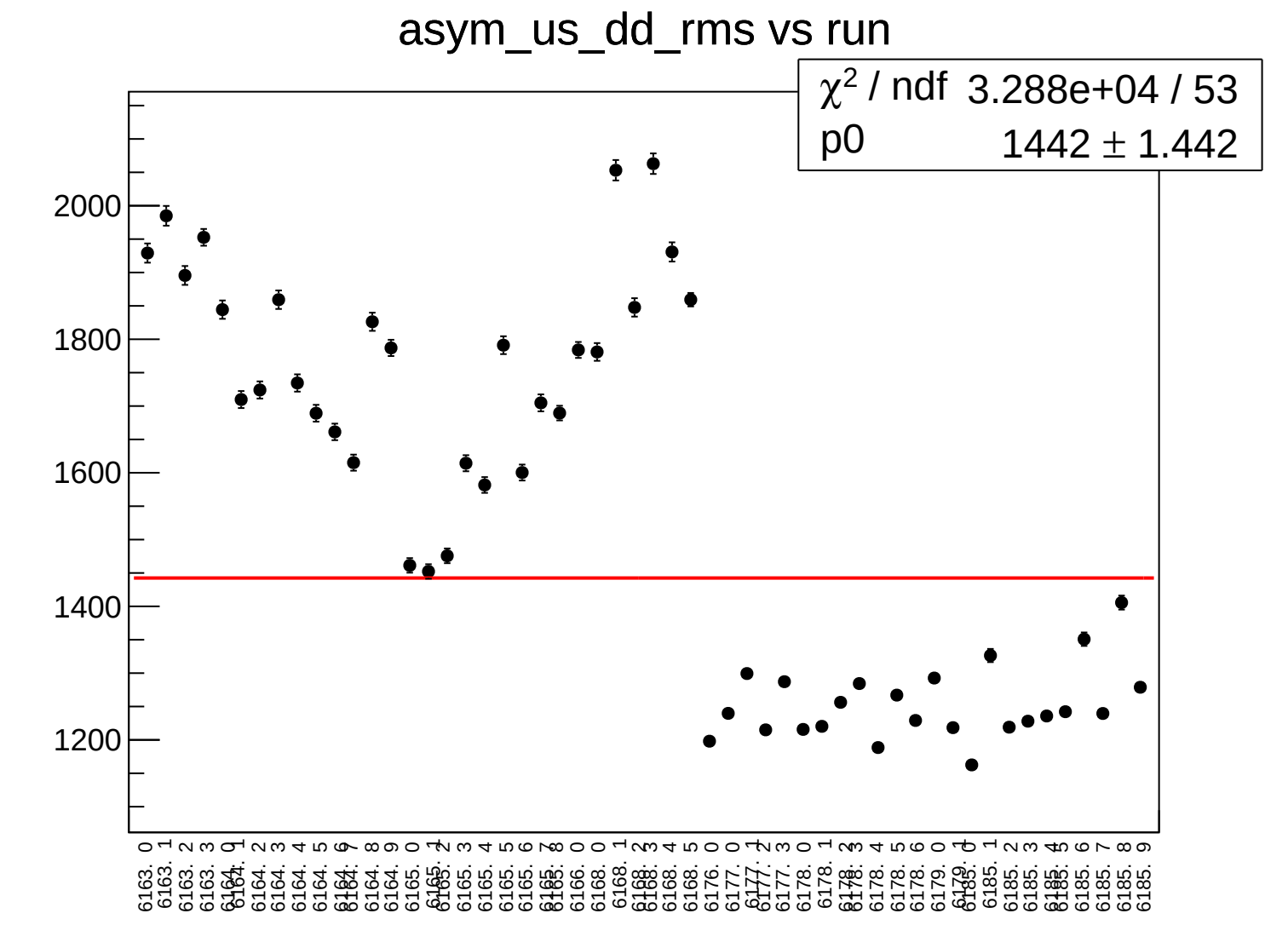

asym_us_dd_eigen_dit_correction_mean vs run
χ² / ndf 57.73 / 53
p0 3419 ± 1633
pull
Entries 54
Mean 4.558
Std Dev 0

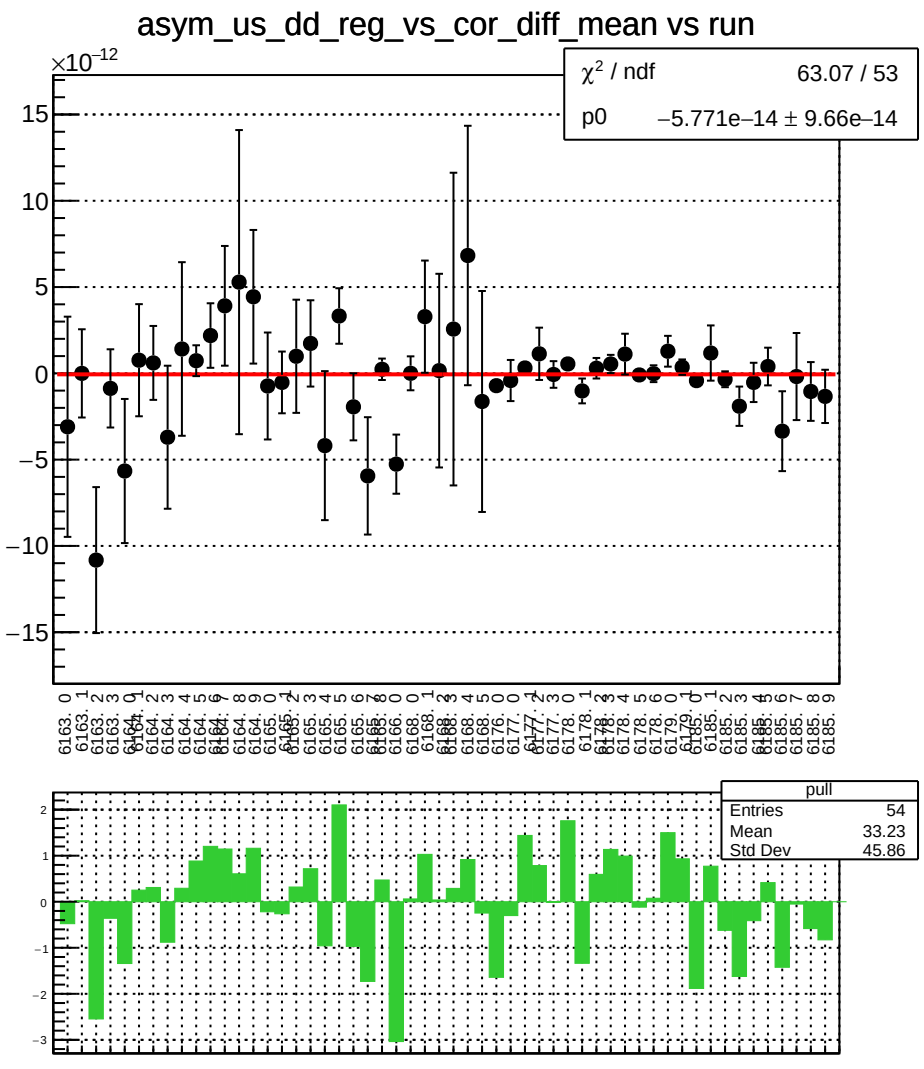

pull1D
Entries 54
Mean 0.02941
Std Dev 1.034

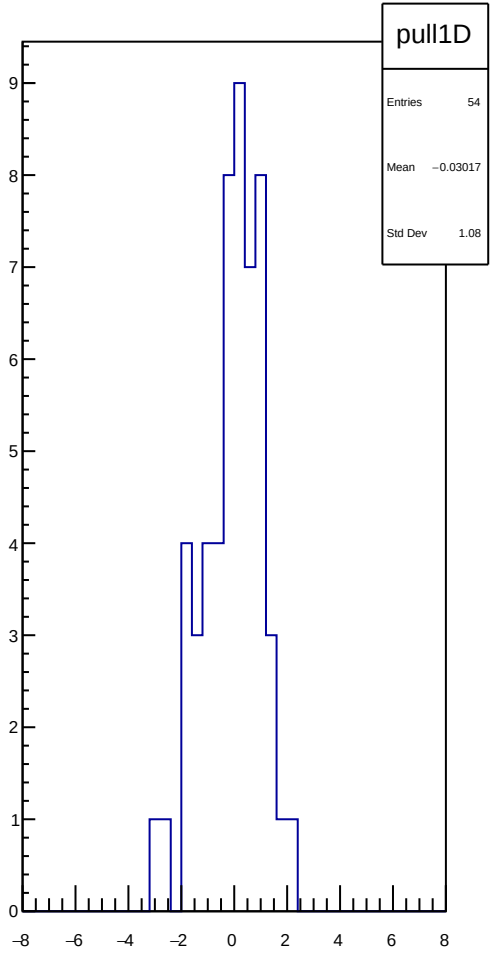

asym_us_dd_eigen_dit_correction_rms vs run
χ² / ndf 7.527e+04 / 53
p0 1130 ± 1.155
2000
1800
1600
1400
1200
1000
800
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

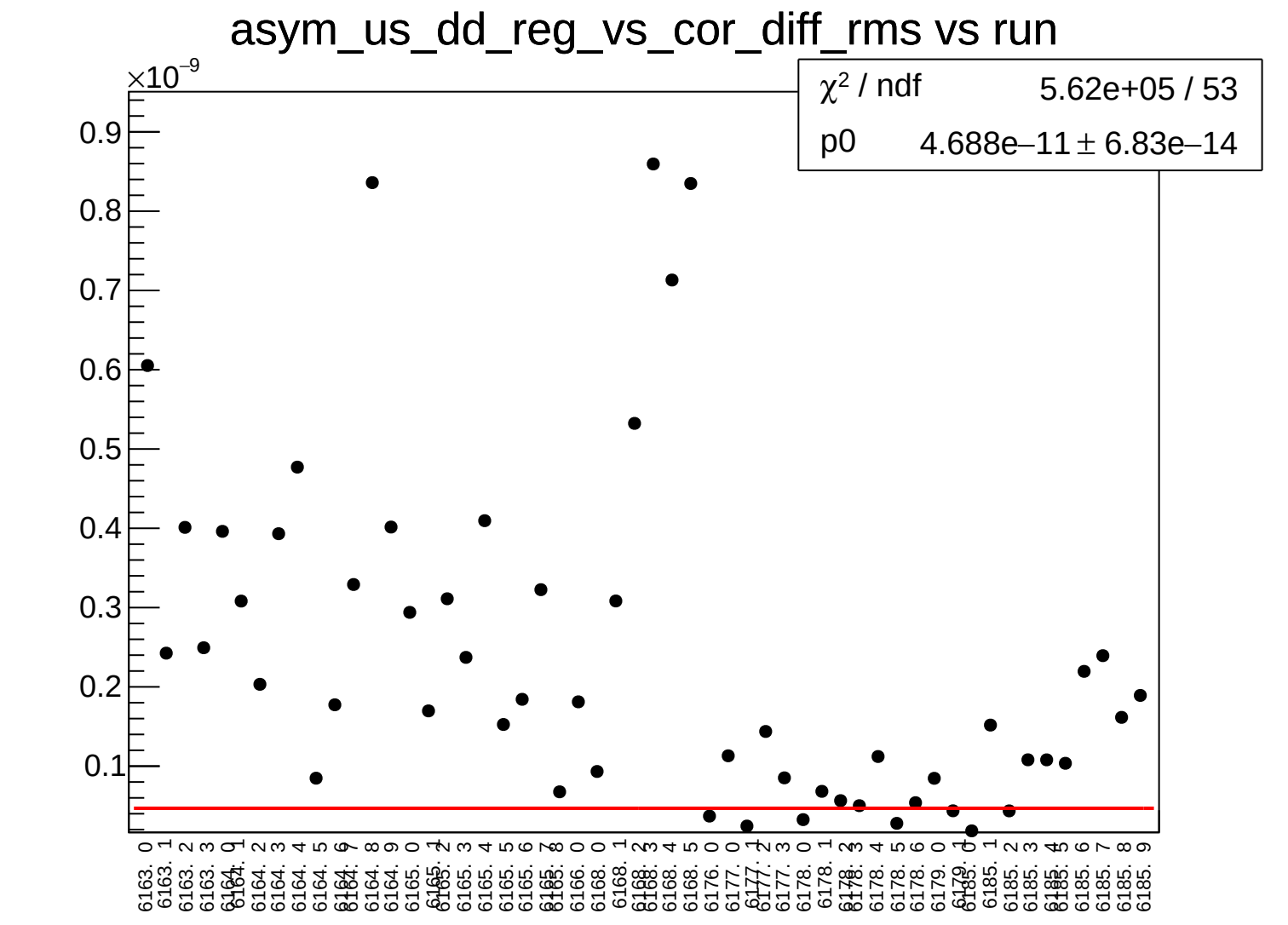

asym_us_dd_mean vs run
χ² / ndf 54.11 / 53
p0 −4215 ± 2040
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean −8.066
Std Dev 0
3
2
1
0
−1
−2

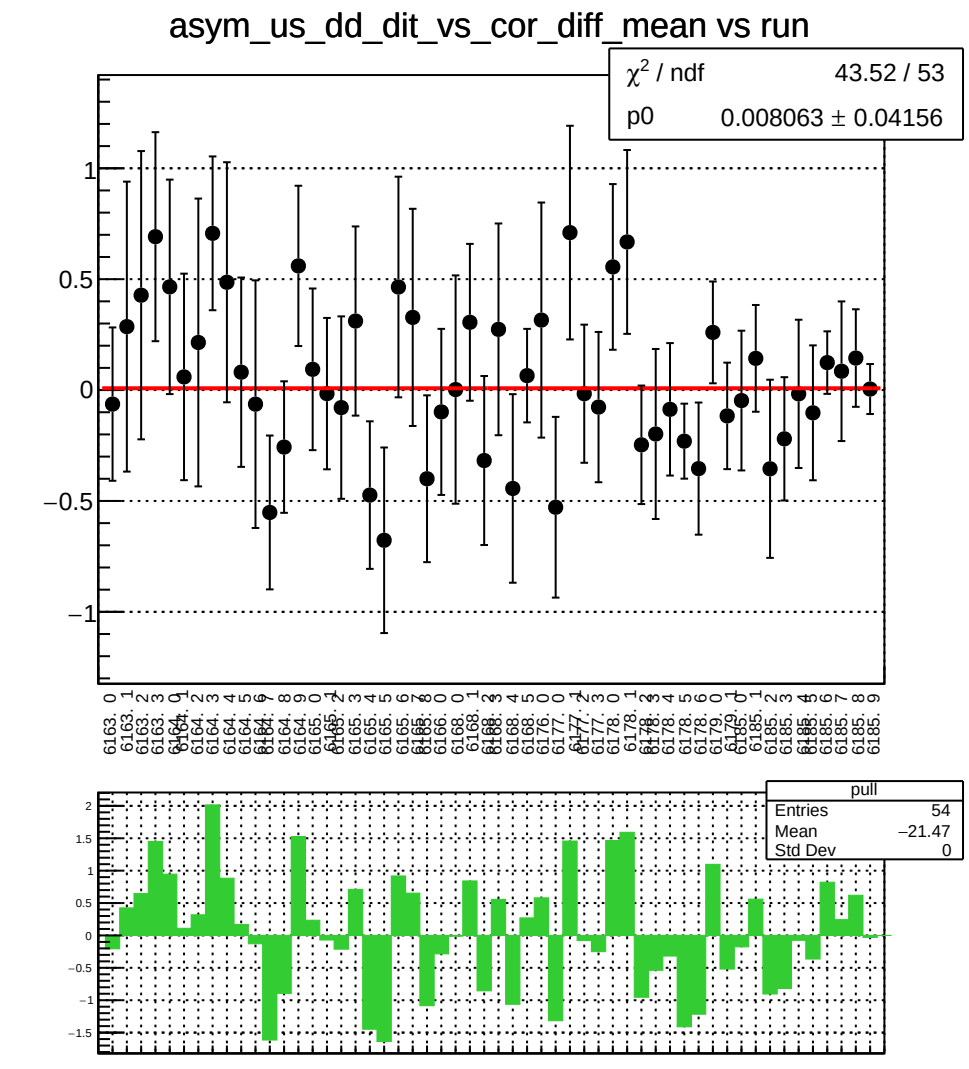

pull1D
Entries 54
Mean −0.0265
Std Dev 1.001
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

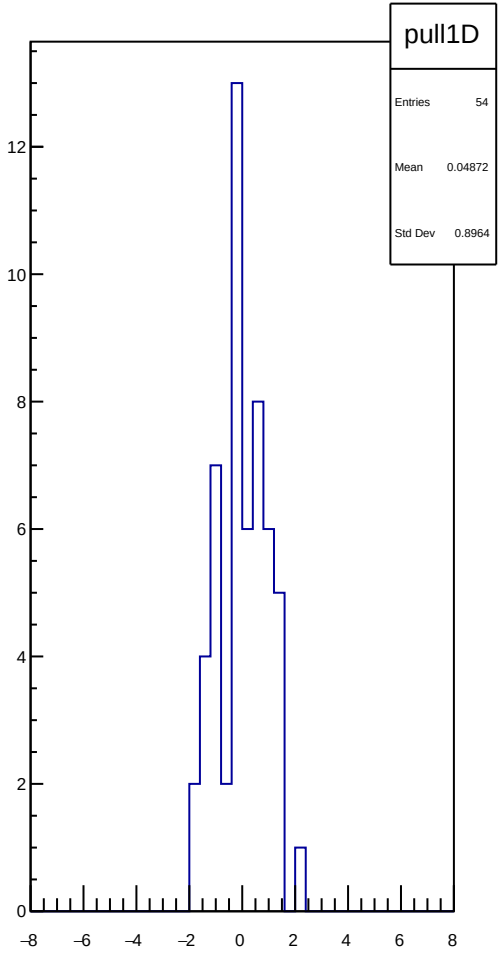

asym_us_dd_rms vs run
χ² / ndf 3.288e+04 / 53
p0 1442 ± 1.442
2000
1800
1600
1400
1200
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

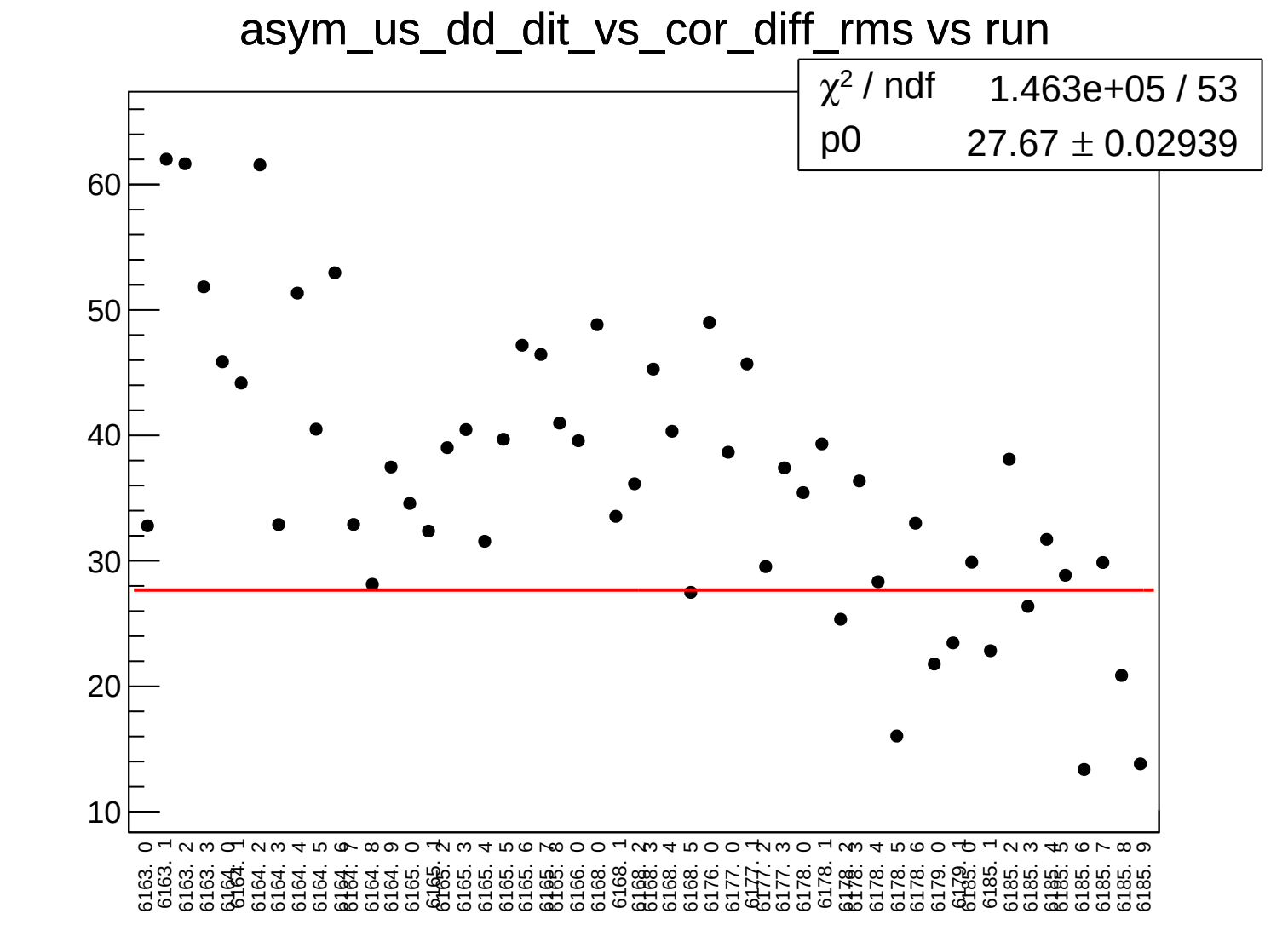

asym_us_dd_reg_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 63.07 / 53
p0 −5.771e−14 ± 9.66e−14
pull
Entries 54
Mean 33.23
Std Dev 45.86

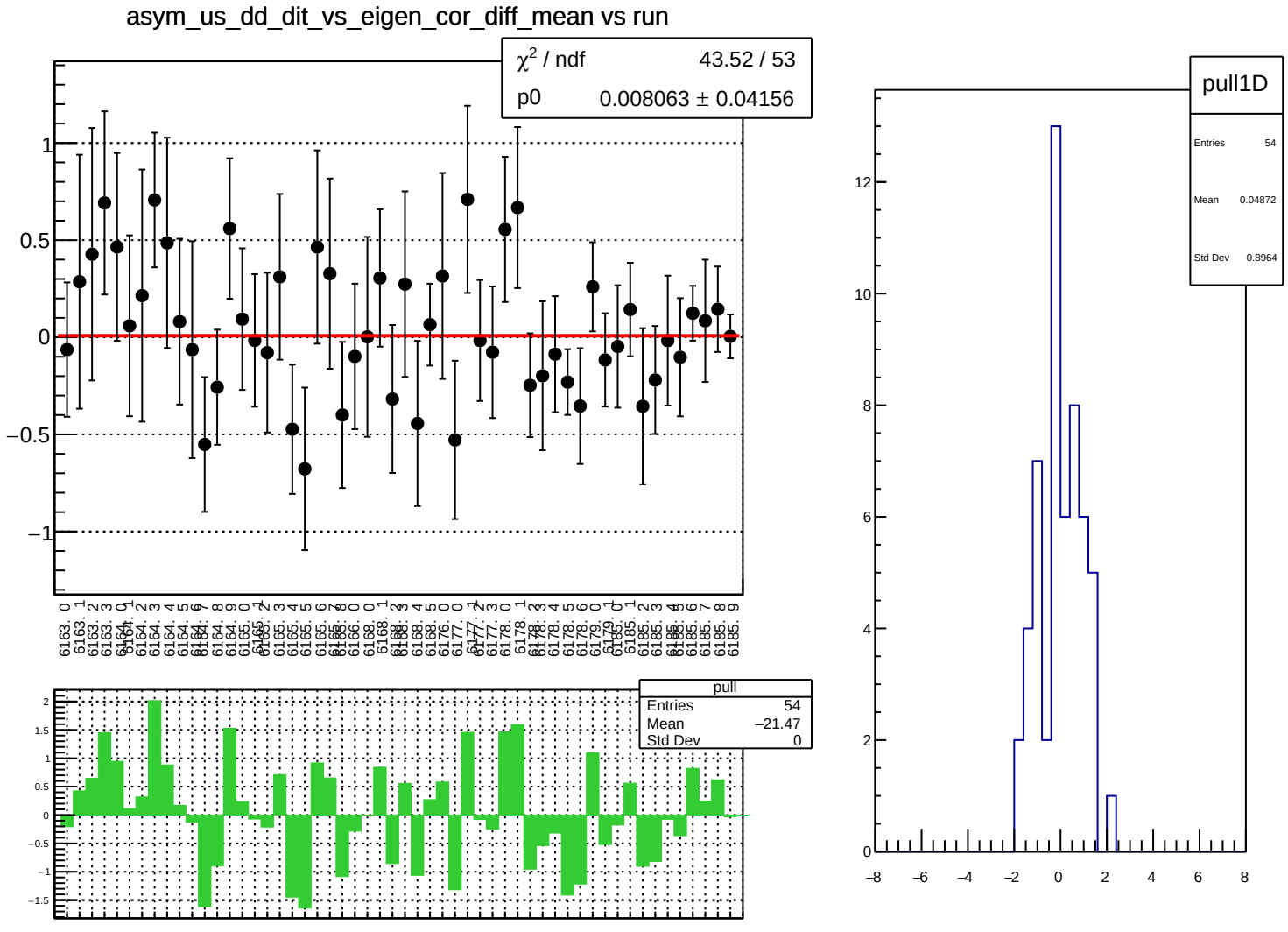

pull1D
Entries 54
Mean −0.03017
Std Dev 1.08

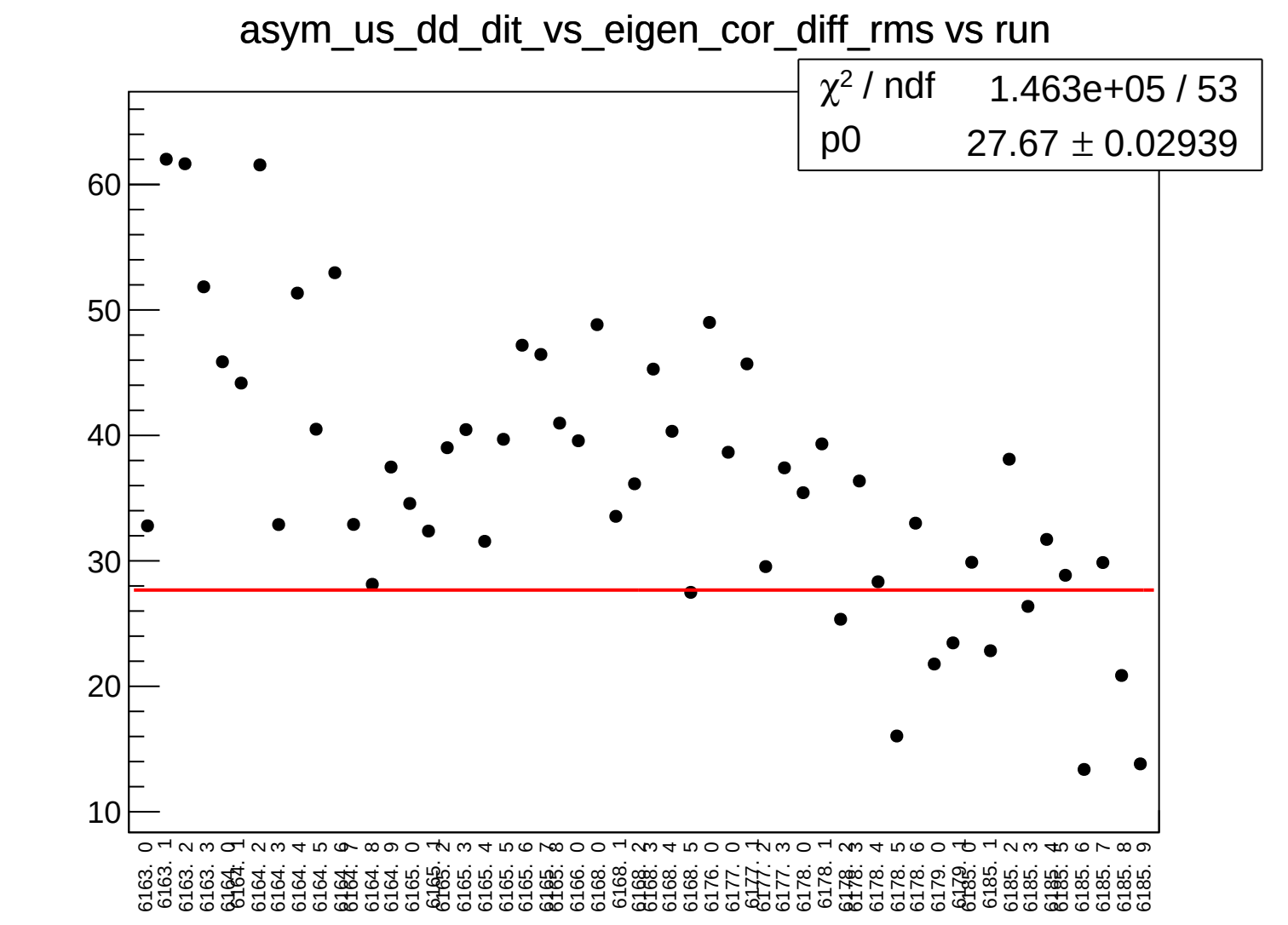

asym_us_dd_reg_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.62e+05 / 53
p0 4.688e−11 ± 6.83e−14
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


asym_us_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 43.52 / 53
p0 0.008063 ± 0.04156
pull
Entries 54
Mean −21.47
Std Dev 0


pull1D
Entries 54
Mean 0.04872
Std Dev 0.8964


asym_us_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.463e+05 / 53
p0 27.67 ± 0.02939
60
50
40
30
20
10
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


asym_us_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 43.52 / 53
p0 0.008063 ± 0.04156
pull
Entries 54
Mean −21.47
Std Dev 0
pull1D
Entries 54
Mean 0.04872
Std Dev 0.8964


asym_us_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.463e+05 / 53
p0 27.67 ± 0.02939
60
50
40
30
20
10
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
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6185. 2
6185. 3
6185. 6
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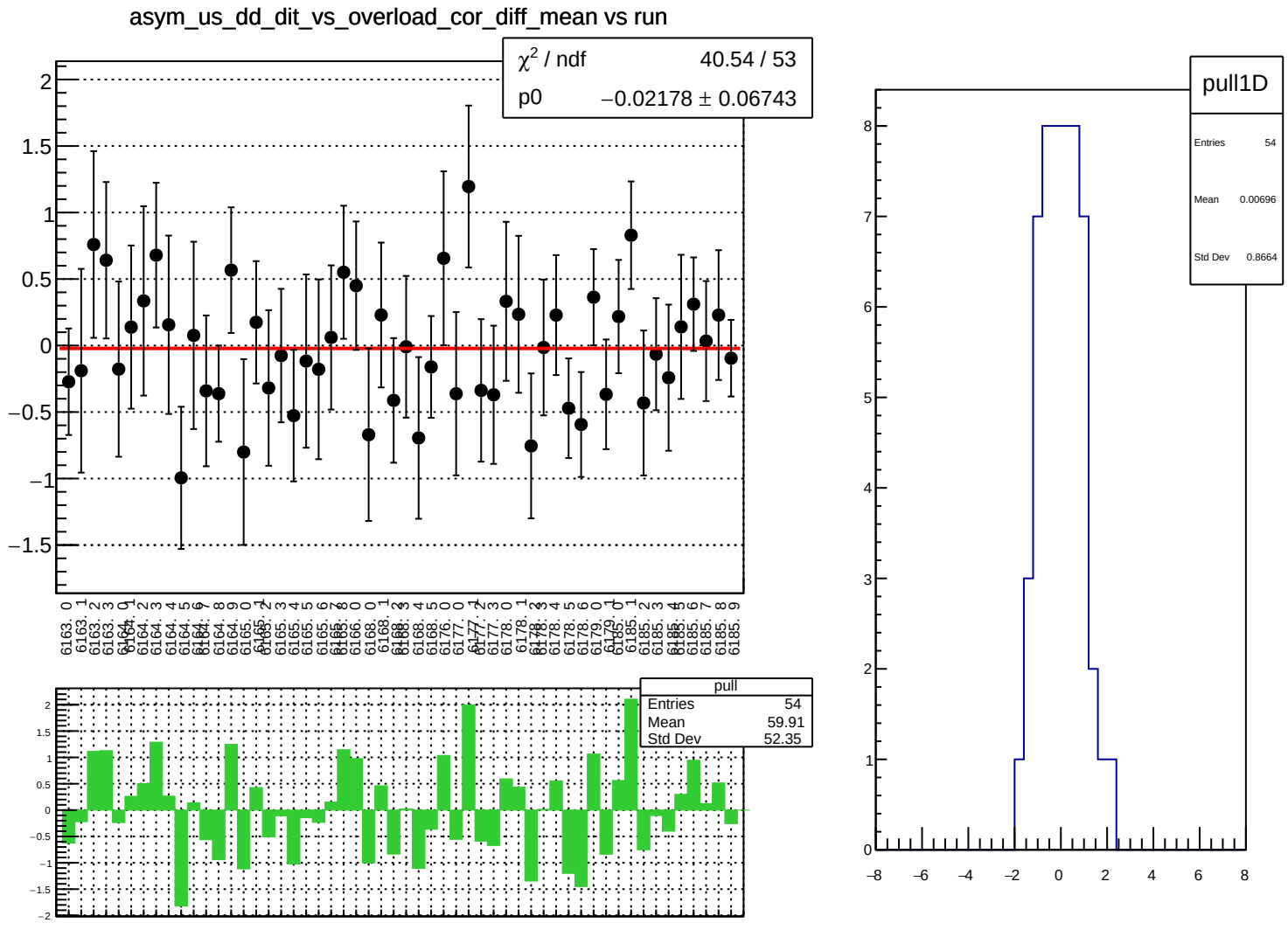
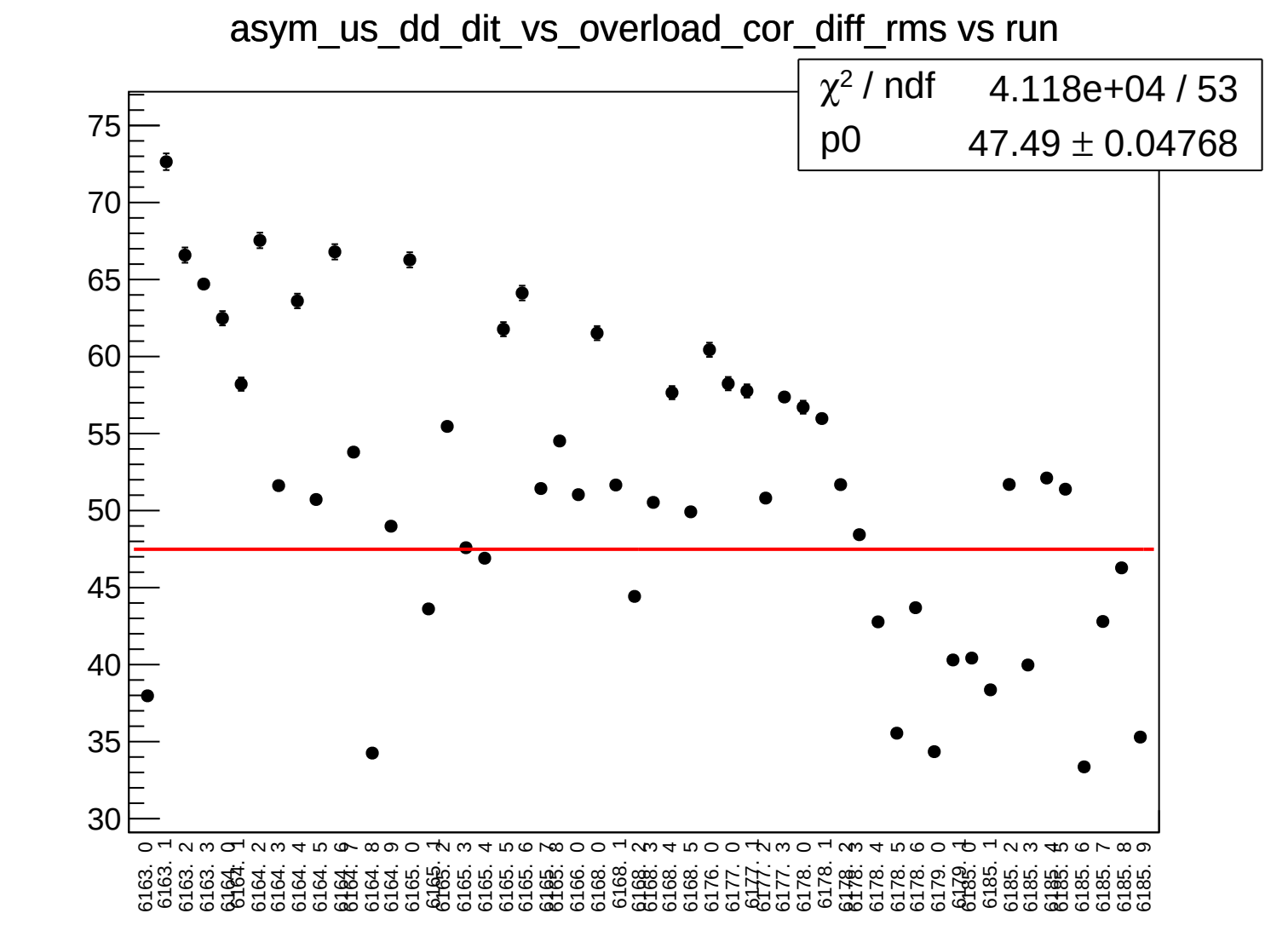
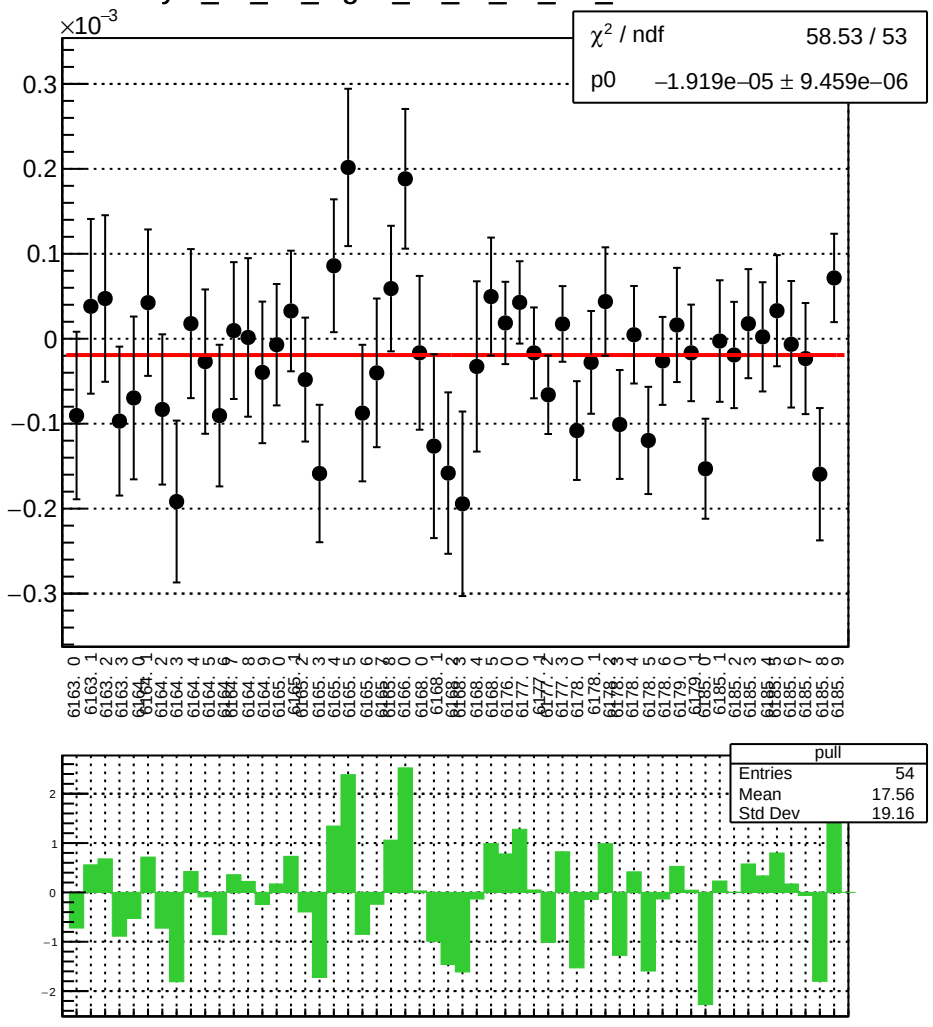
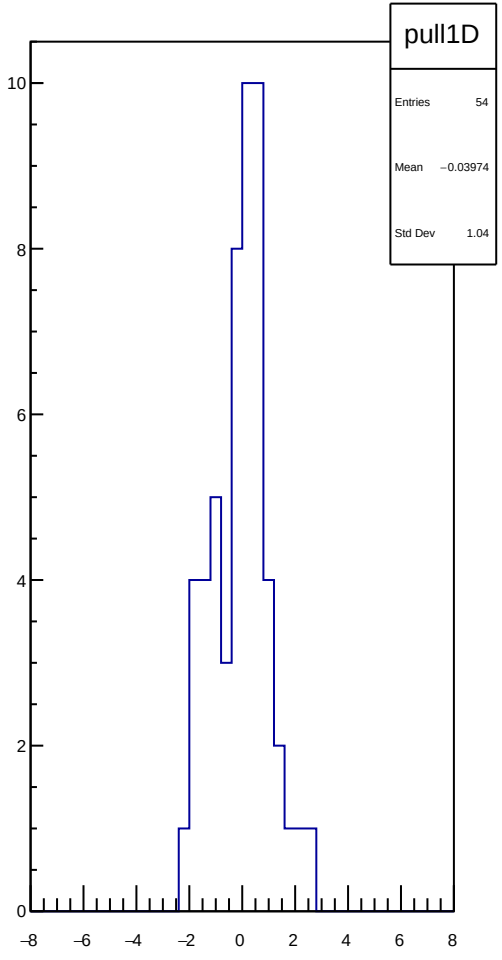
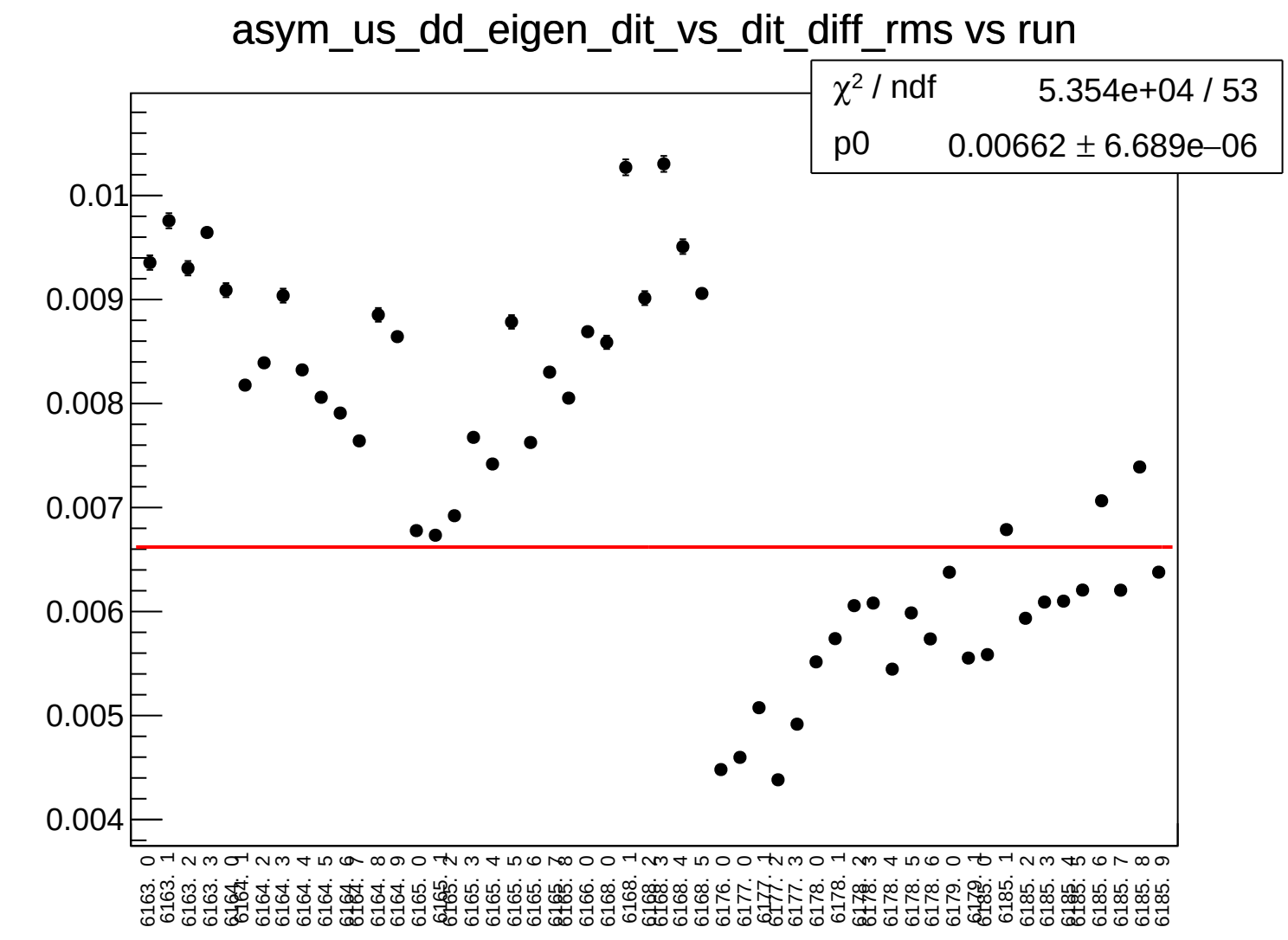
6185. 8
6185. 9

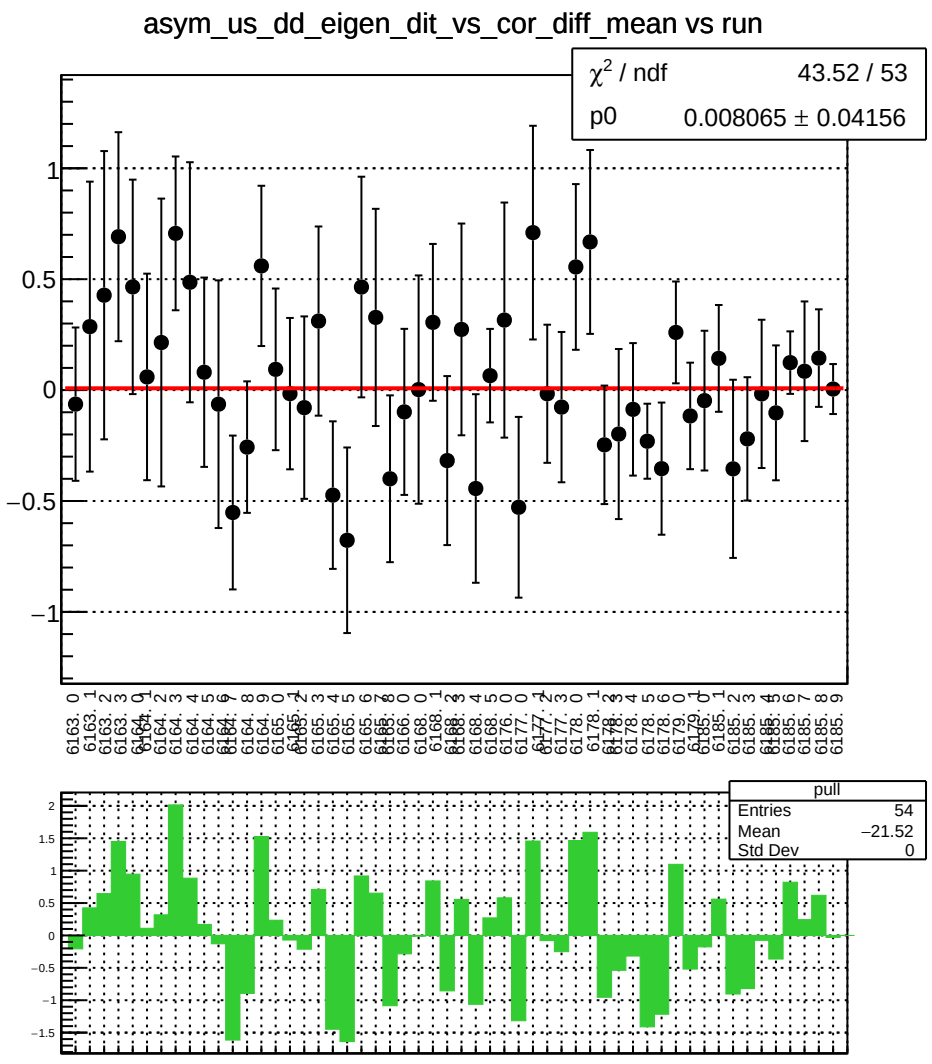

asym_us_dd_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 40.54 / 53
p0 −0.02178 ± 0.06743
pull
Entries 54
Mean 59.91
Std Dev 52.35
pull1D
Entries 54
Mean 0.00696
Std Dev 0.8664

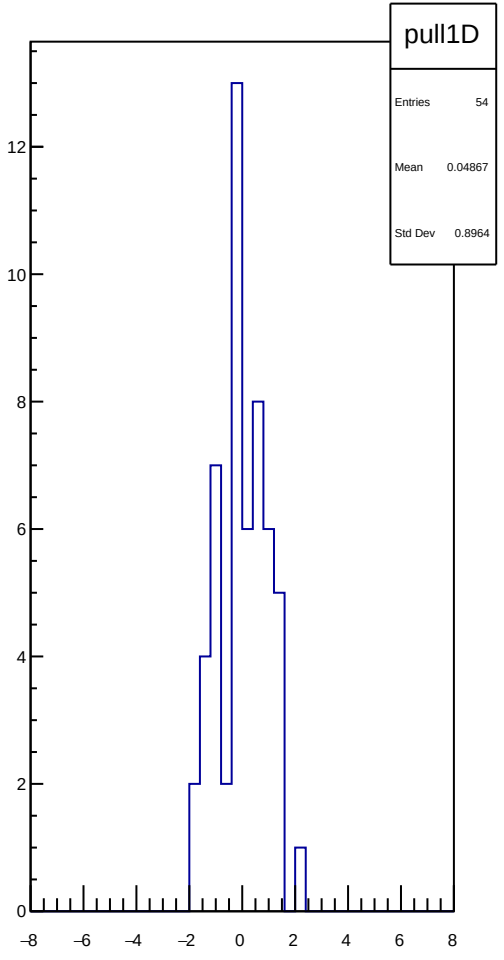

asym_us_dd_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 4.118e+04 / 53
p0 47.49 ± 0.04768
75
70
65
60
55
50
45
40
35
30
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

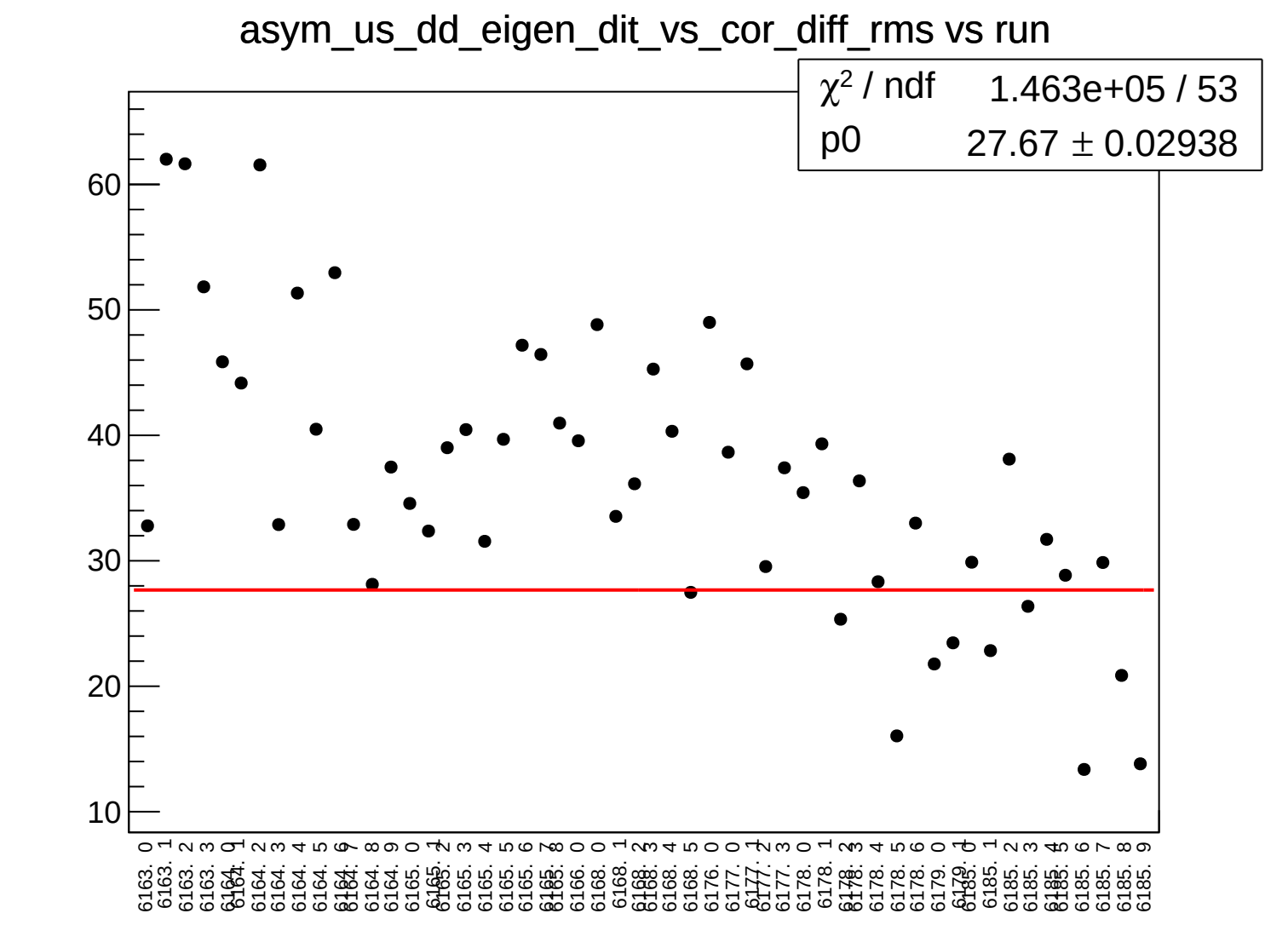

asym_us_dd_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 58.53 / 53
p0 −1.919e−05 ± 9.459e−06
pull
Entries 54
Mean 17.56
Std Dev 19.16

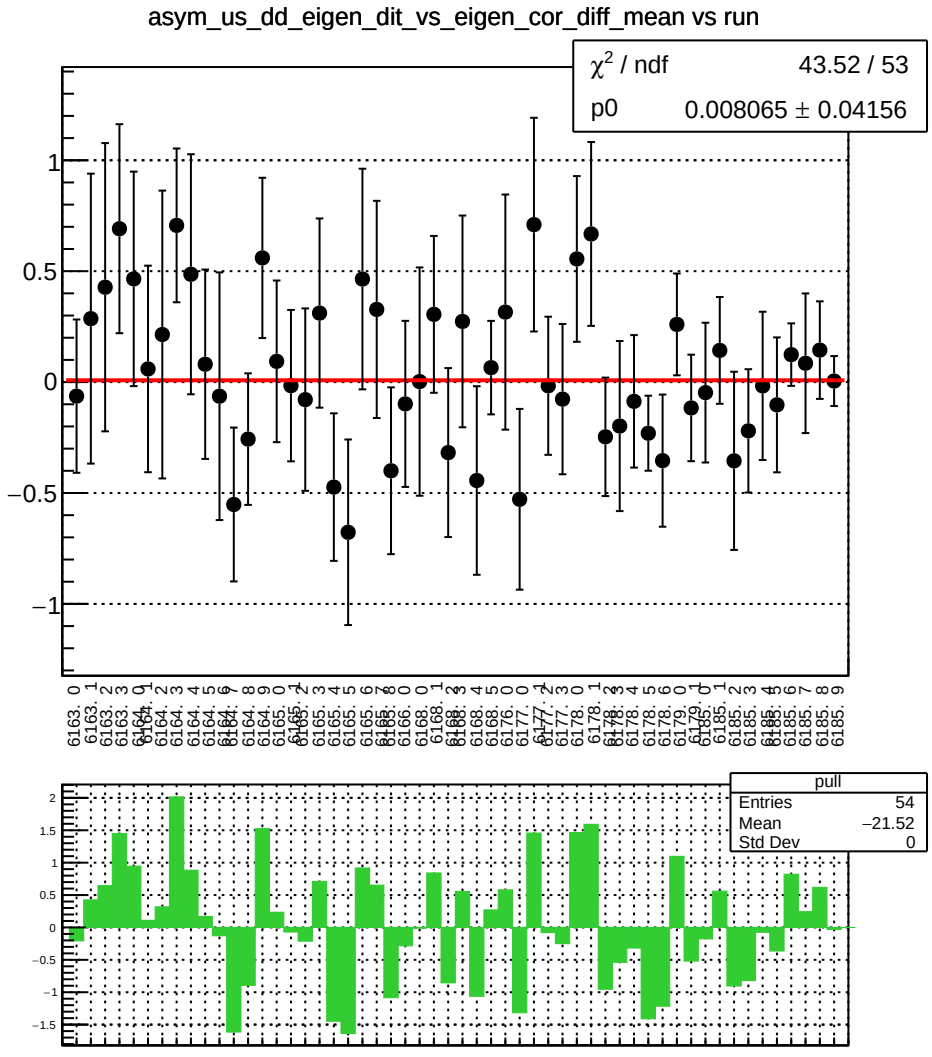

pull1D
Entries 54
Mean −0.03974
Std Dev 1.04

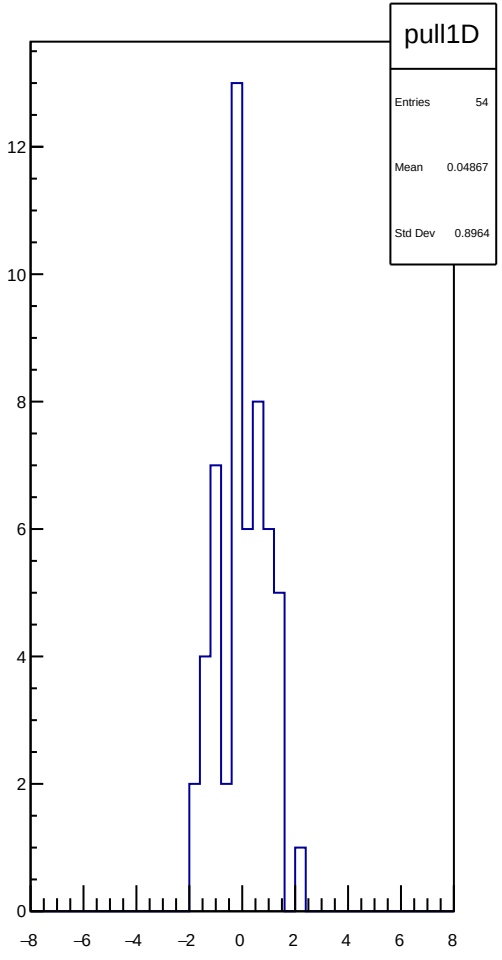

asym_us_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5.354e+04 / 53
p0 0.00662 ± 6.689e–06
0.01
0.009
0.008
0.007
0.006
0.005
0.004
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

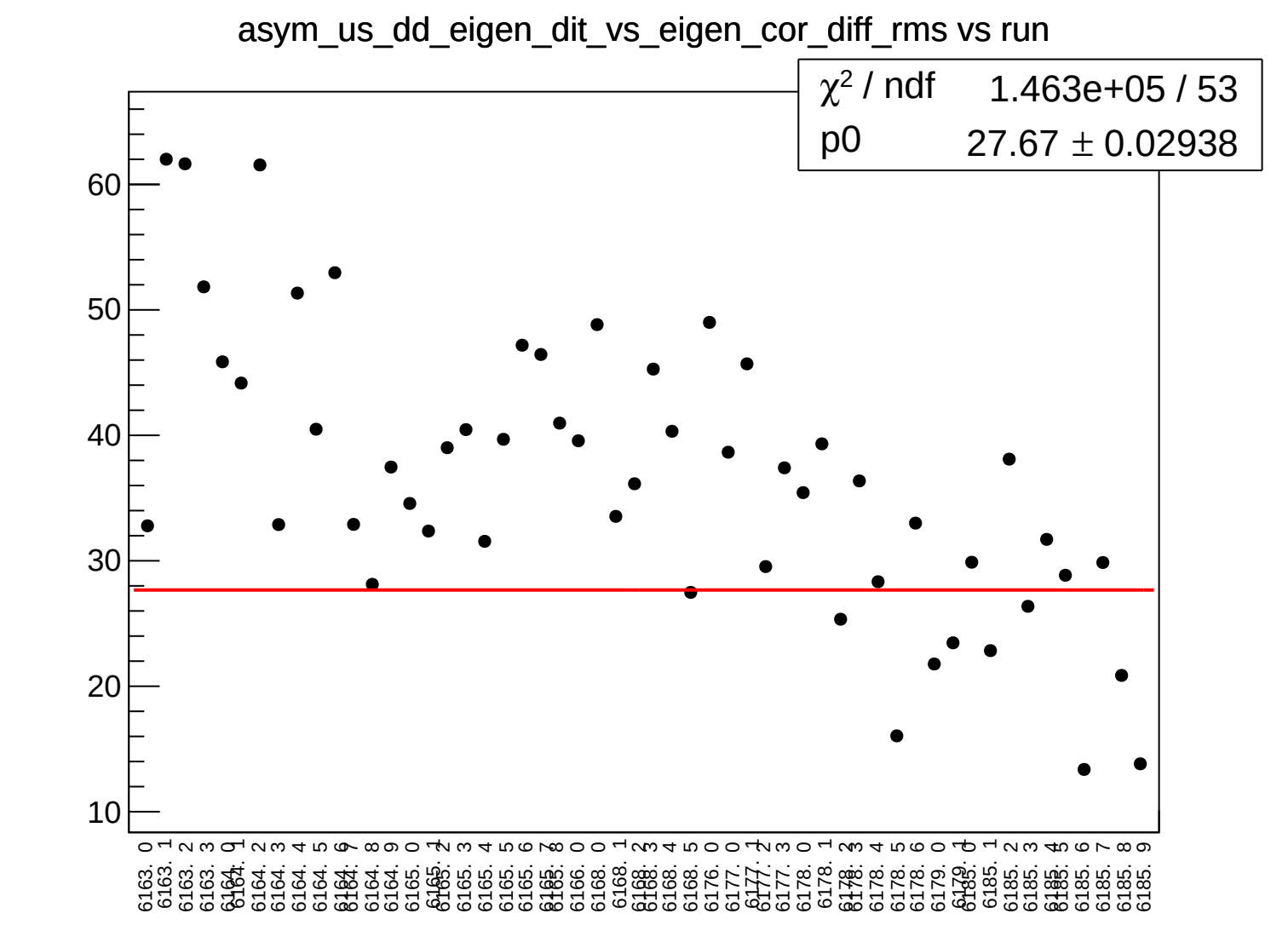

asym_us_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 43.52 / 53
p0 0.008065 ± 0.04156
pull
Entries 54
Mean −21.52
Std Dev 0

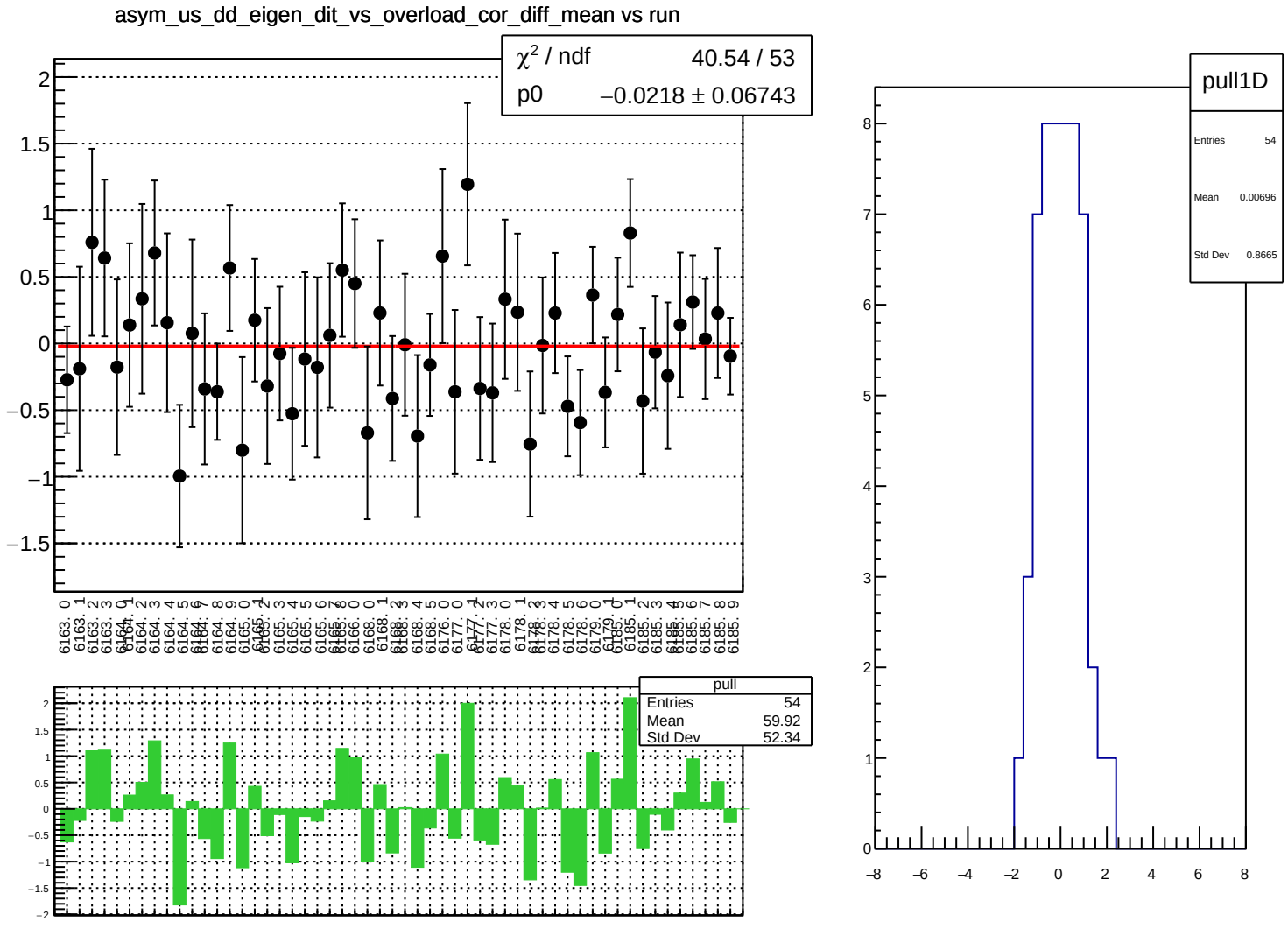

pull1D
Entries 54
Mean 0.04867
Std Dev 0.8964

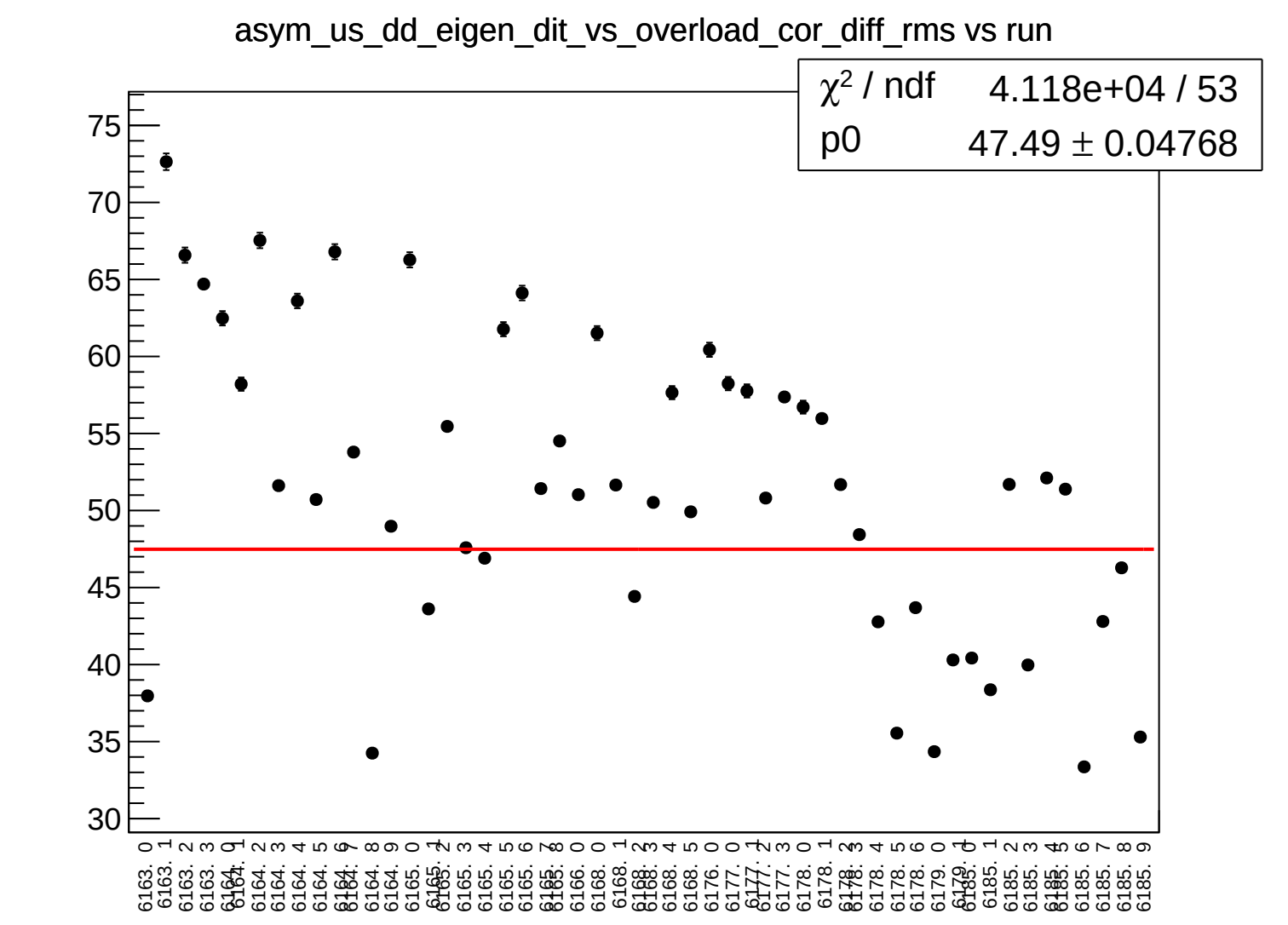

asym_us_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.463e+05 / 53
p0 27.67 ± 0.02938
60
50
40
30
20
10
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

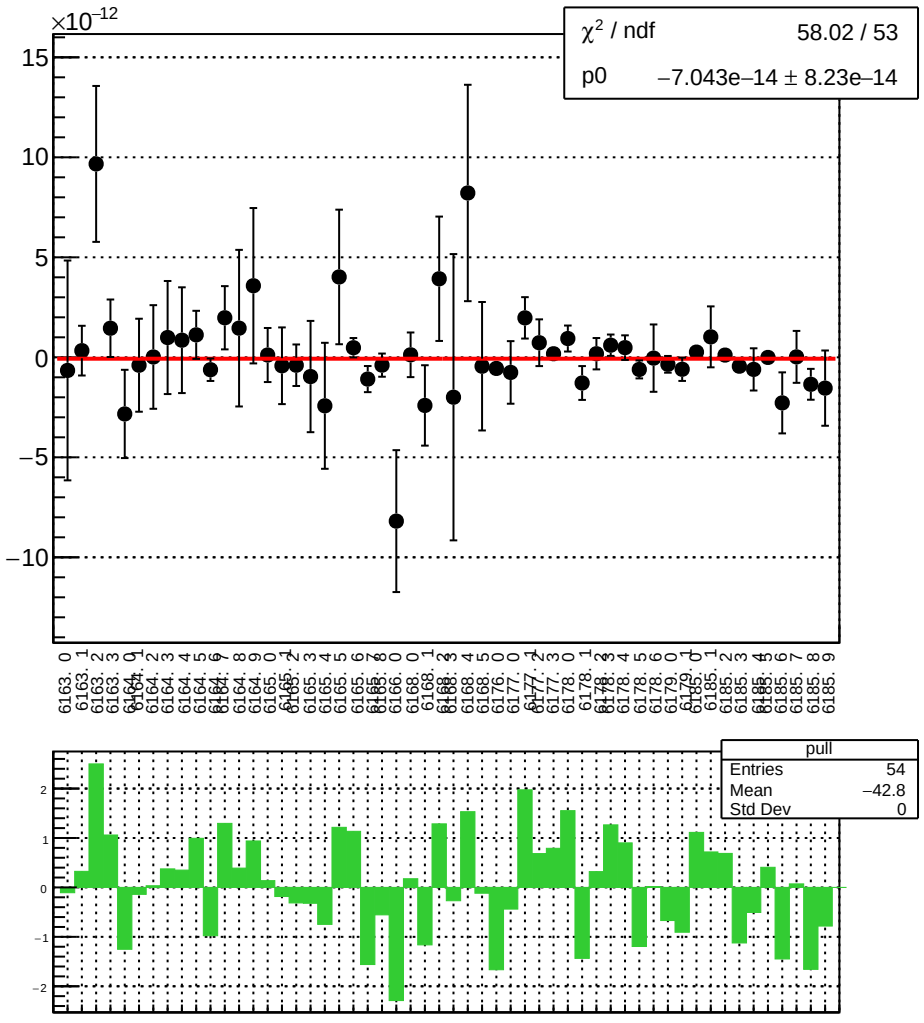

asym_us_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 43.52 / 53
p0 0.008065 ± 0.04156
pull
Entries 54
Mean −21.52
Std Dev 0

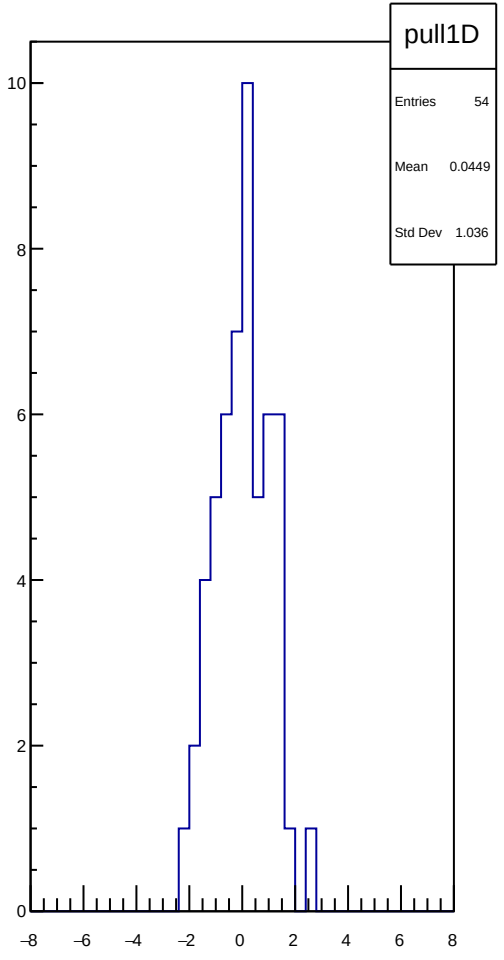

pull1D
Entries 54
Mean 0.04867
Std Dev 0.8964

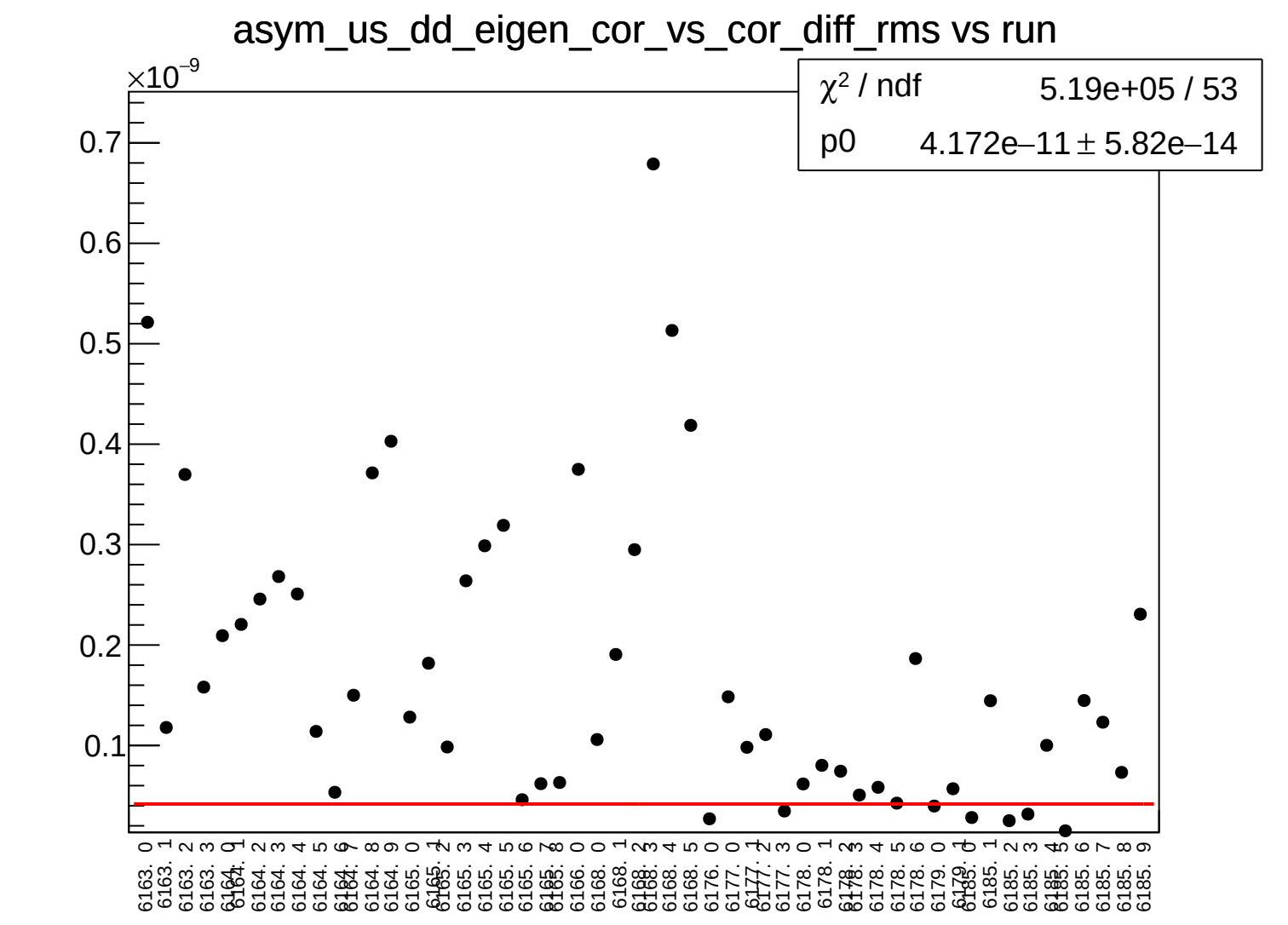

asym_us_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.463e+05 / 53
p0 27.67 ± 0.02938
60
50
40
30
20
10
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

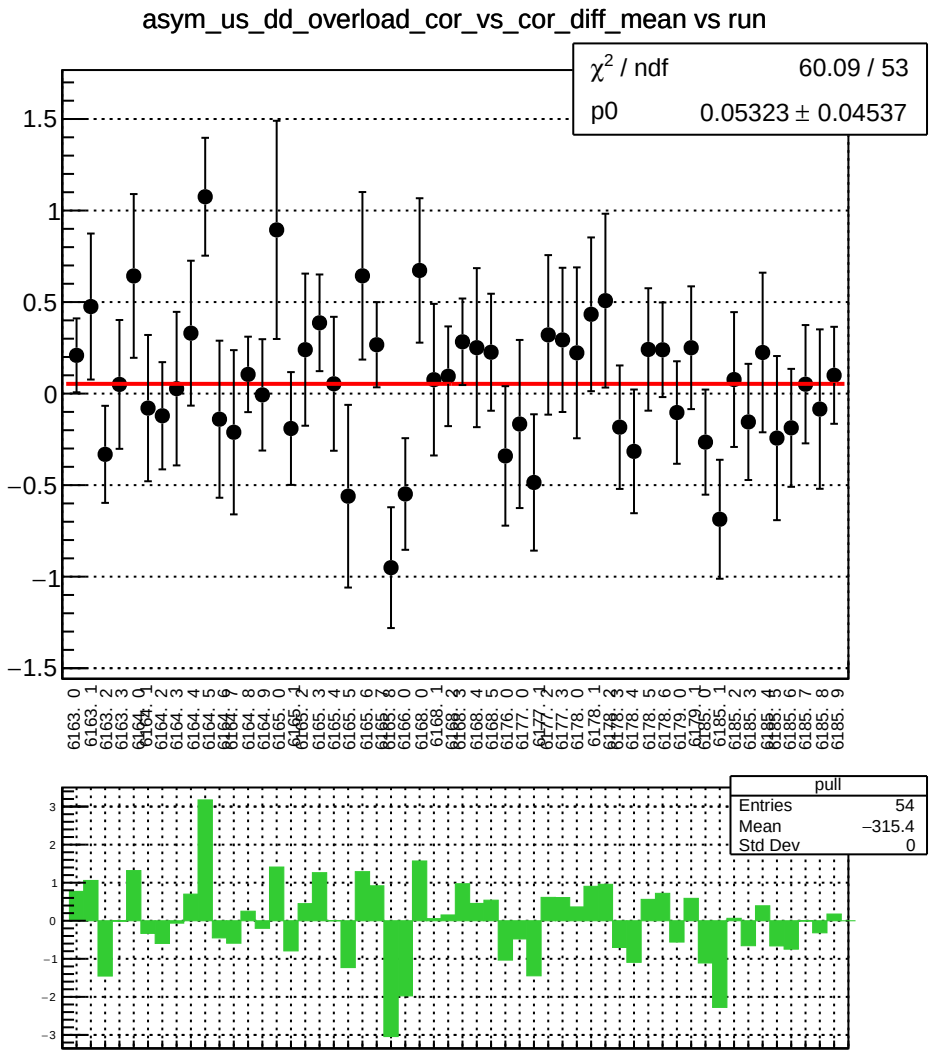

asym_us_dd_eigen_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 40.54 / 53
p0 −0.0218 ± 0.06743
pull
Entries 54
Mean 59.92
Std Dev 52.34
pull1D
Entries 54
Mean 0.00696
Std Dev 0.8665

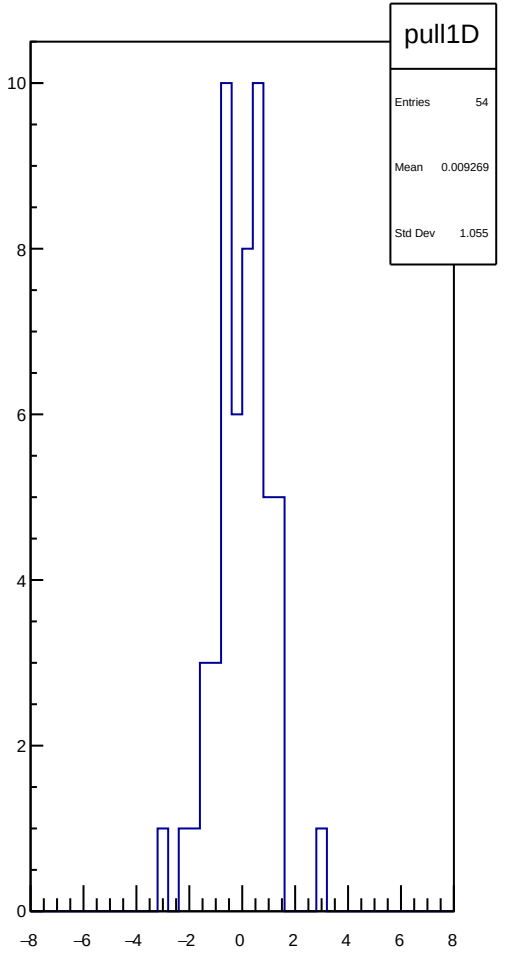

asym_us_dd_eigen_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 4.118e+04 / 53
p0 47.49 ± 0.04768
75
70
65
60
55
50
45
40
35
30
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

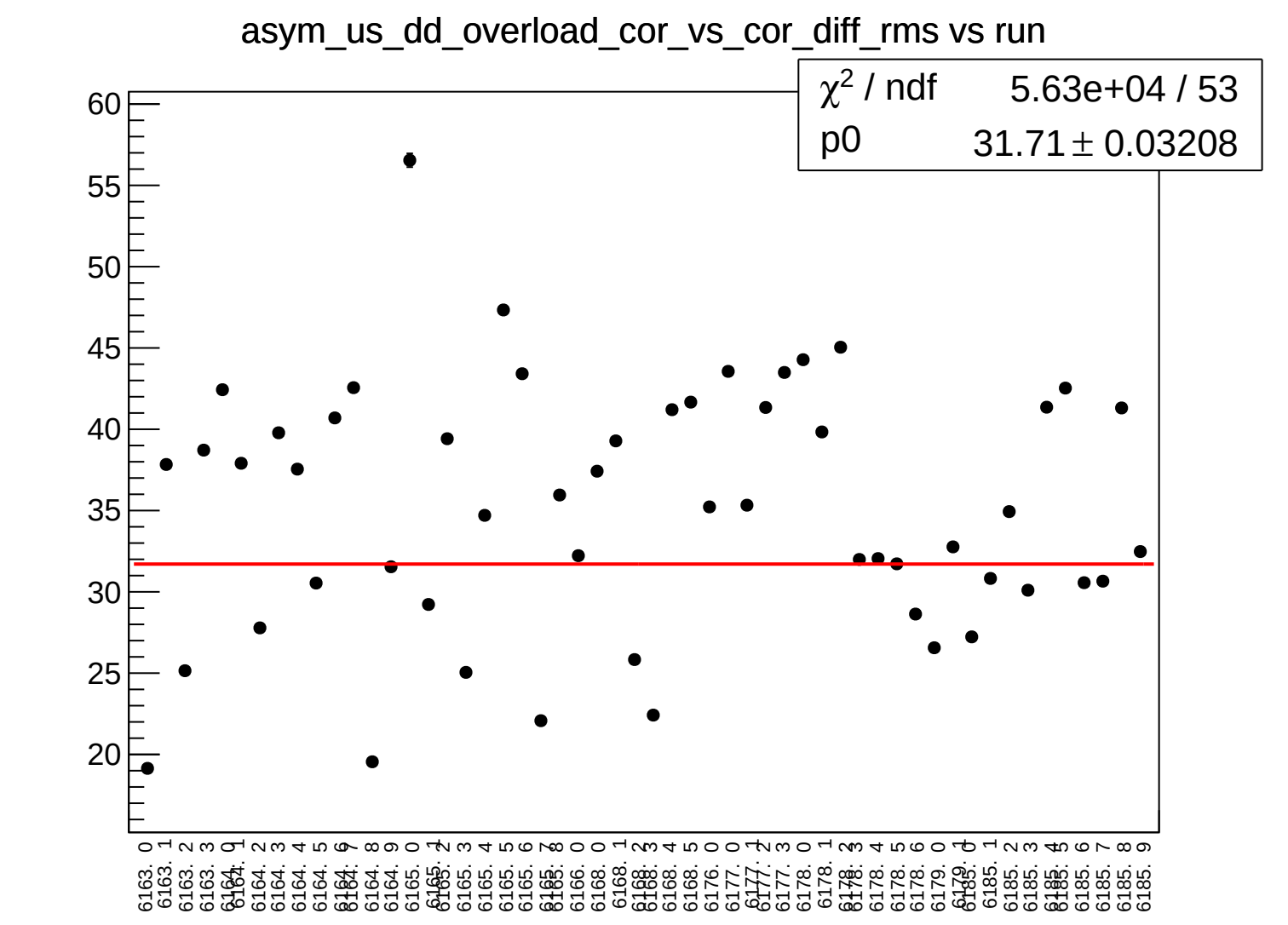

asym_us_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 58.02 / 53
p0 −7.043e−14 ± 8.23e−14
pull
Entries 54
Mean −42.8
Std Dev 0

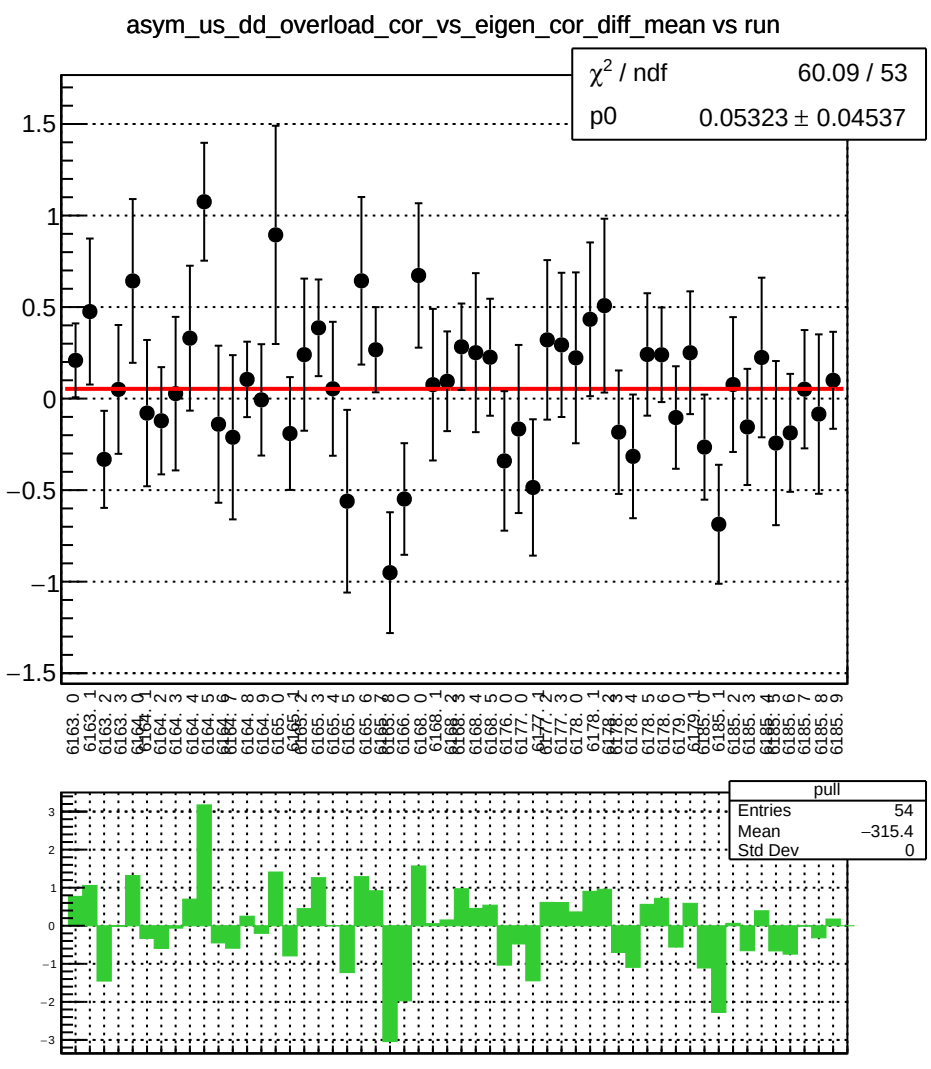

pull1D
Entries 54
Mean 0.0449
Std Dev 1.036

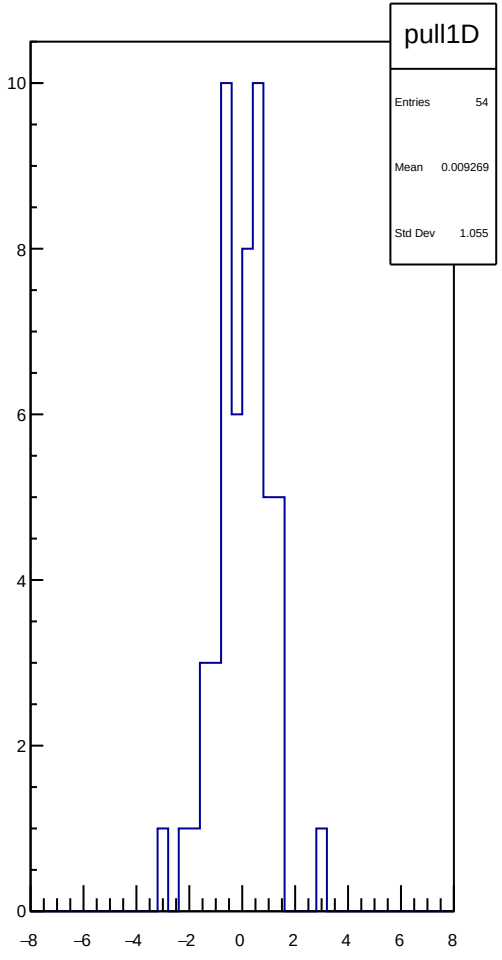

asym_us_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.19e+05 / 53
p0 4.172e−11 ± 5.82e−14
0.7
0.6
0.5
0.4
0.3
0.2
0.1
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

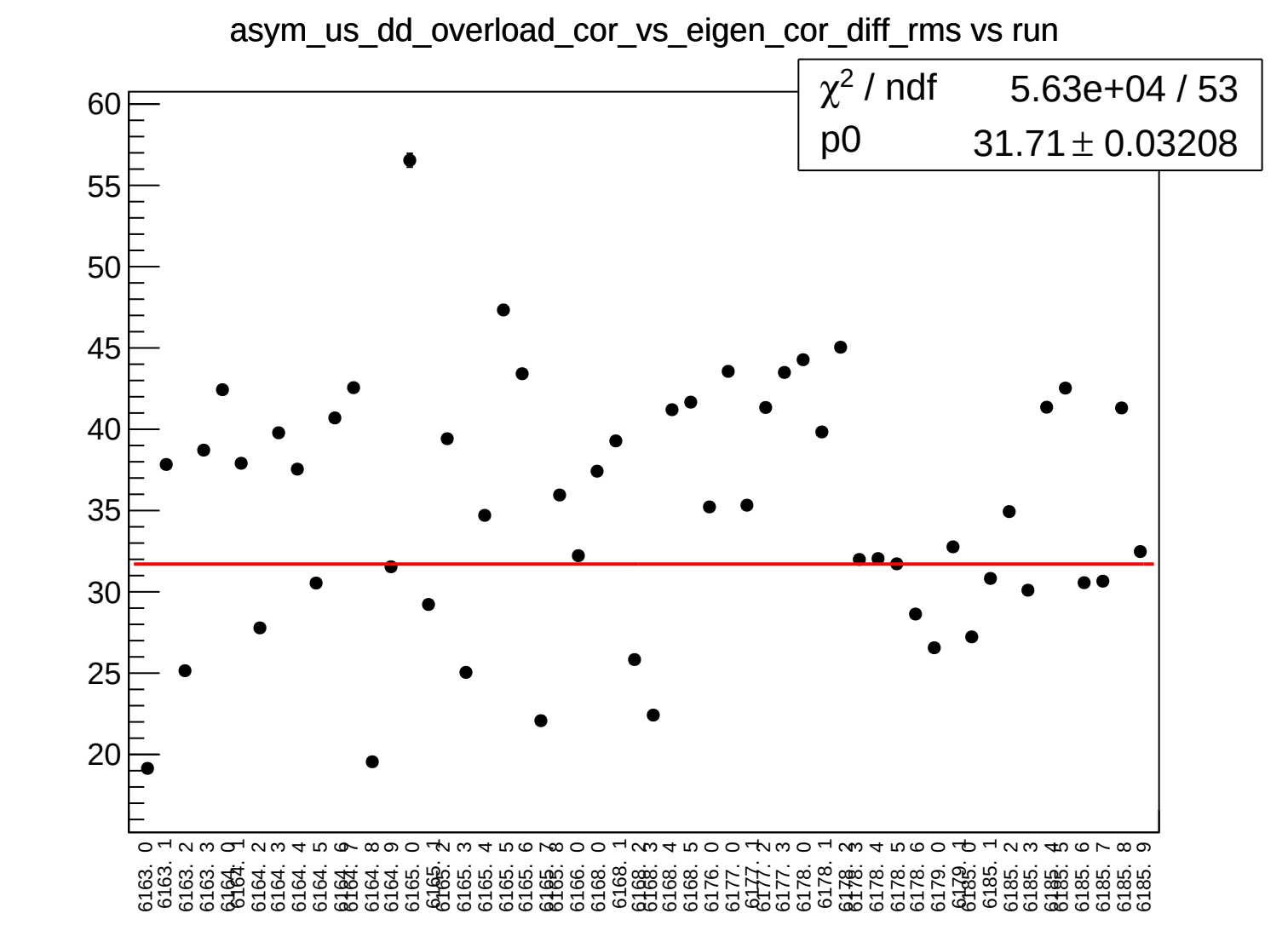

asym_us_dd_overload_cor_vs_cor_diff_mean vs run
χ² / ndf 60.09 / 53
p0 0.05323 ± 0.04537
pull
Entries 54
Mean −315.4
Std Dev 0

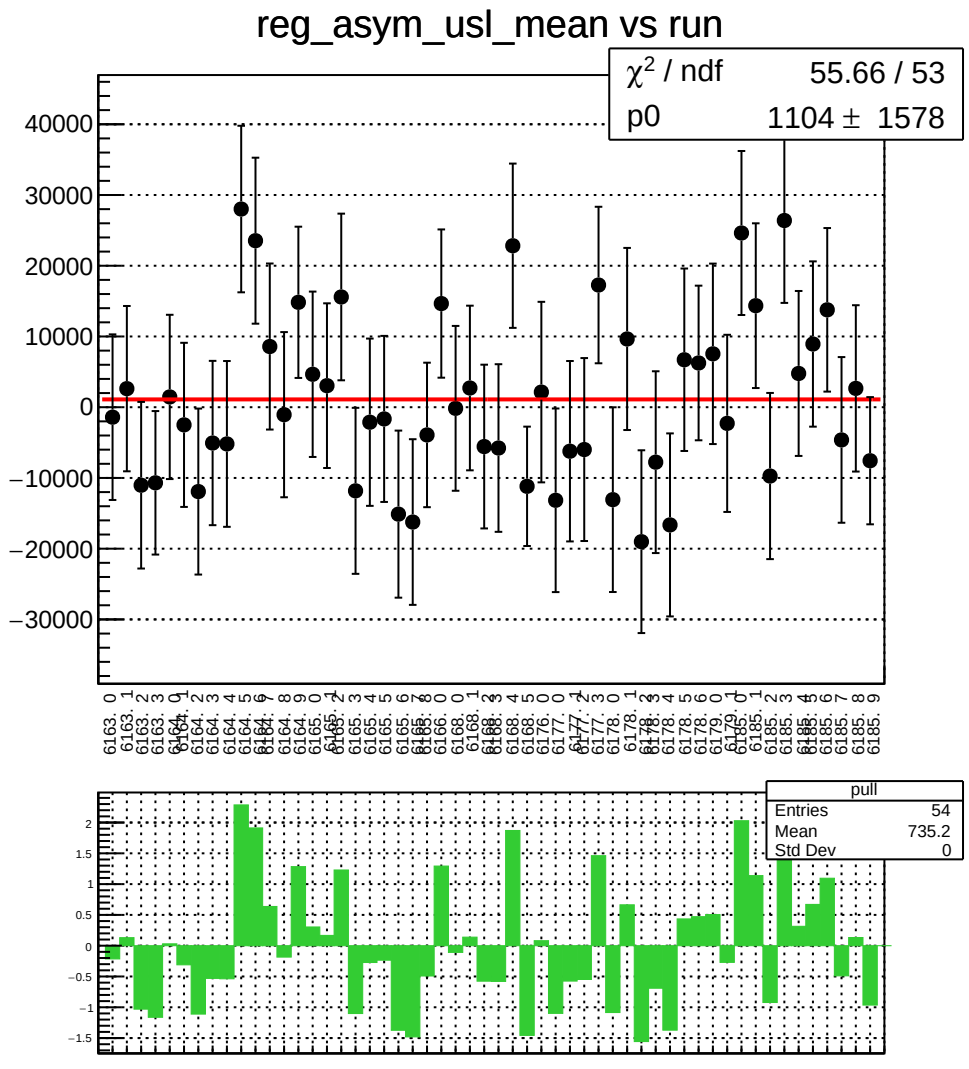

pull1D
Entries 54
Mean 0.009269
Std Dev 1.055

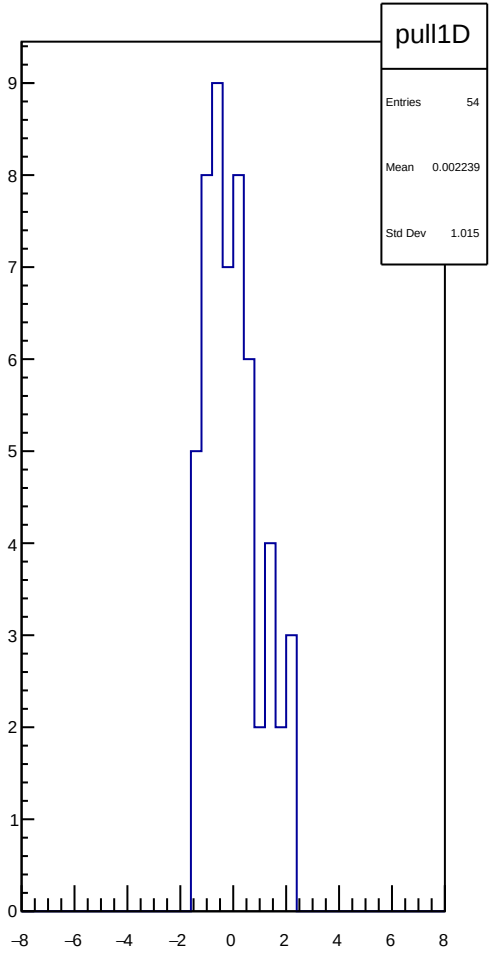

asym_us_dd_overload_cor_vs_cor_diff_rms vs run
χ² / ndf 5.63e+04 / 53
p0 31.71 ± 0.03208
60
55
50
45
40
35
30
25
20
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

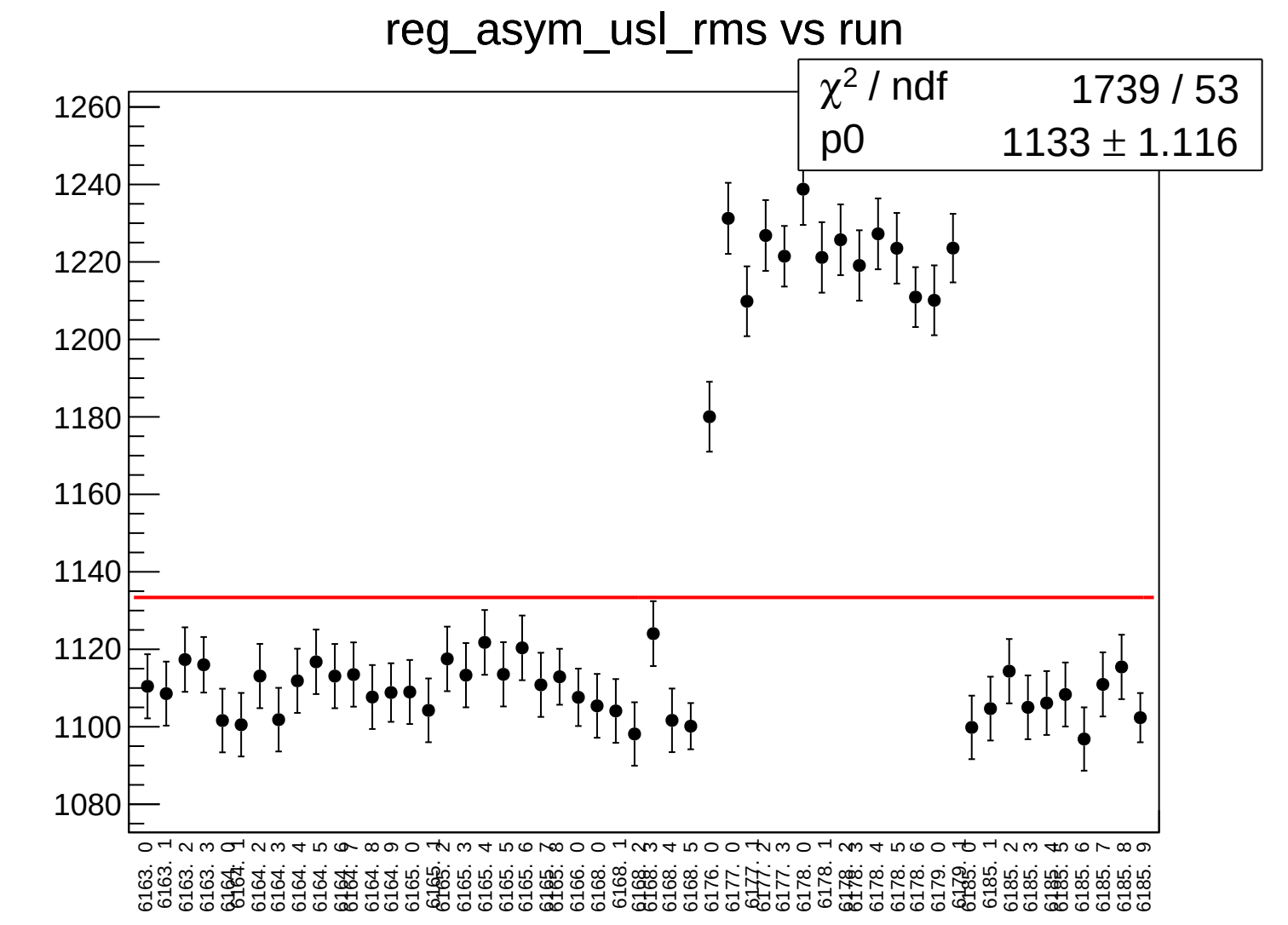

asym_us_dd_overload_cor_vs_eigen_cor_diff_mean vs run
χ² / ndf 60.09 / 53
p0 0.05323 ± 0.04537
pull
Entries 54
Mean −315.4
Std Dev 0

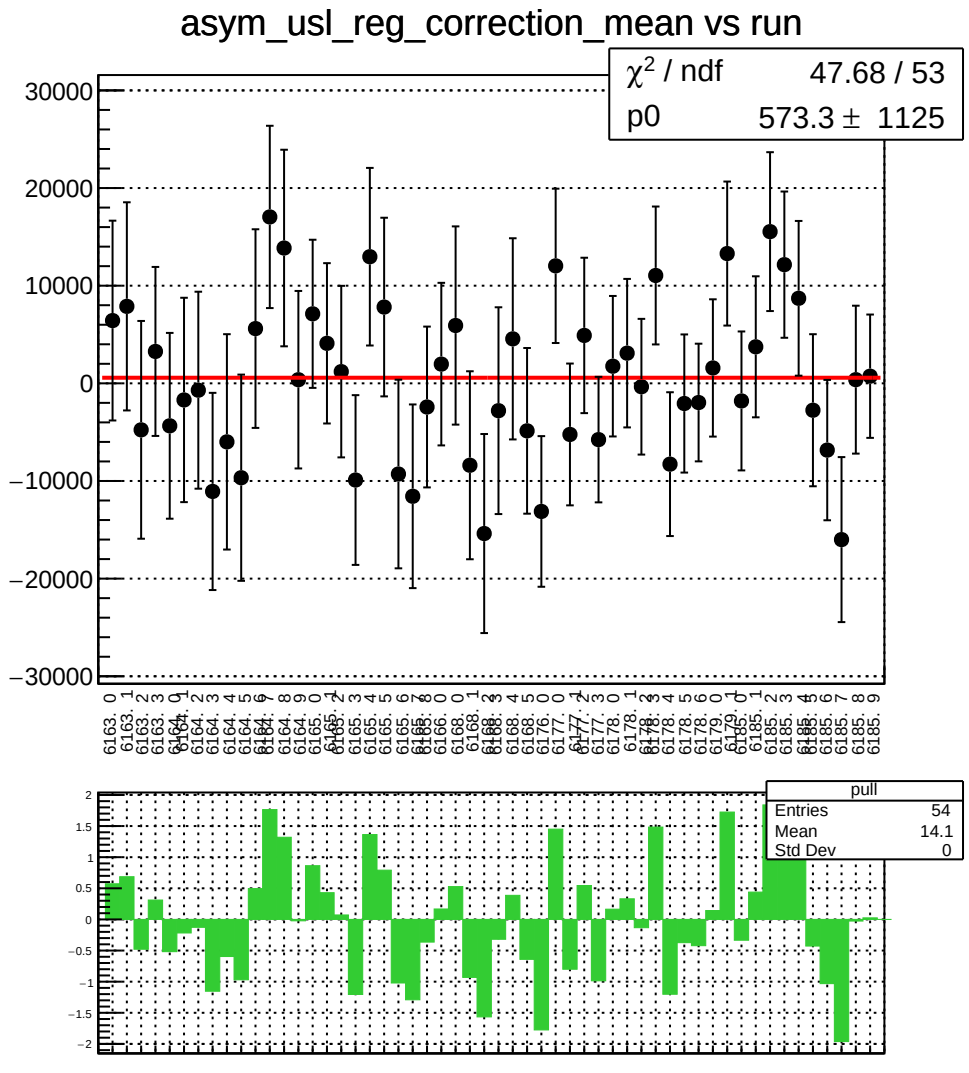

pull1D
Entries 54
Mean 0.009269
Std Dev 1.055

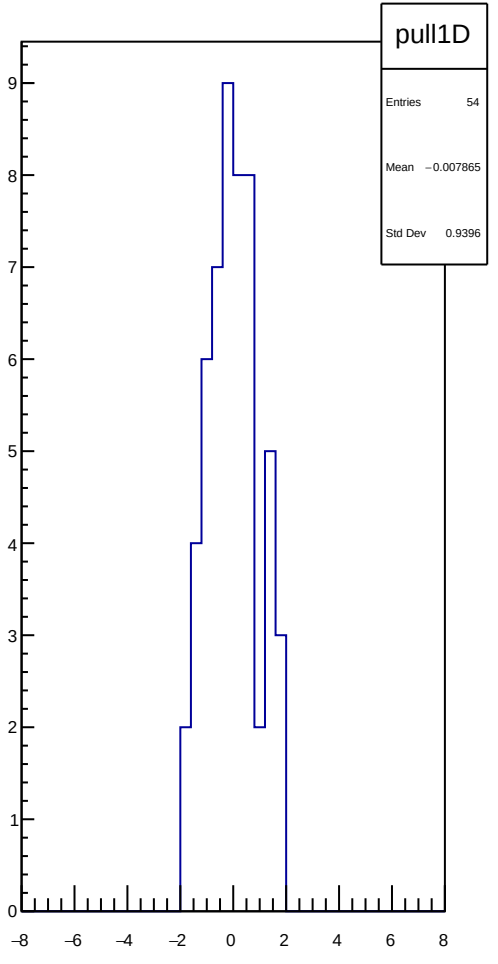

asym_us_dd_overload_cor_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.63e+04 / 53
p0 31.71 ± 0.03208
60
55
50
45
40
35
30
25
20
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

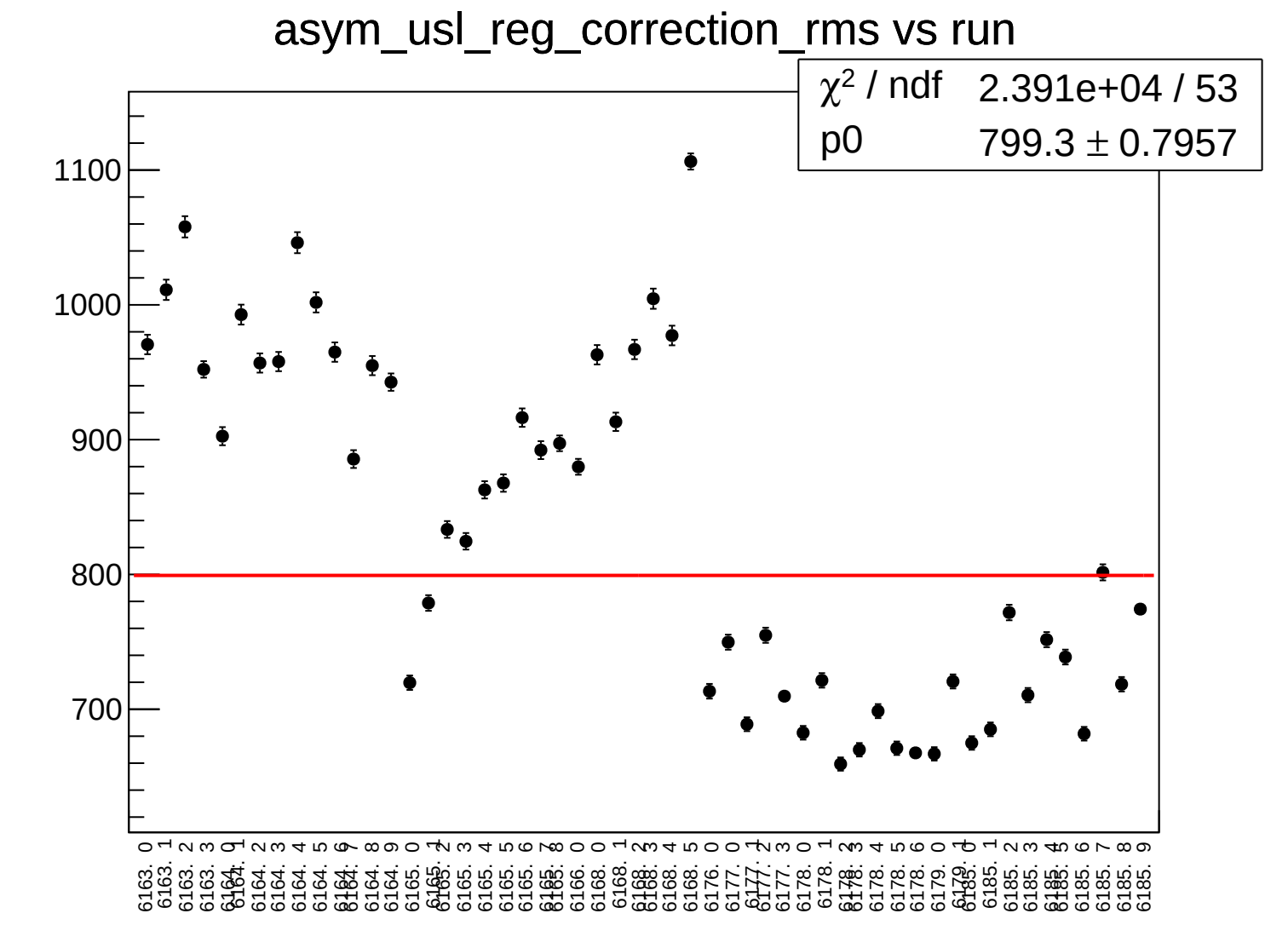

reg_asym_usl_mean vs run
χ² / ndf 55.66 / 53
p0 1104 ± 1578
pull
Entries 54
Mean 735.2
Std Dev 0

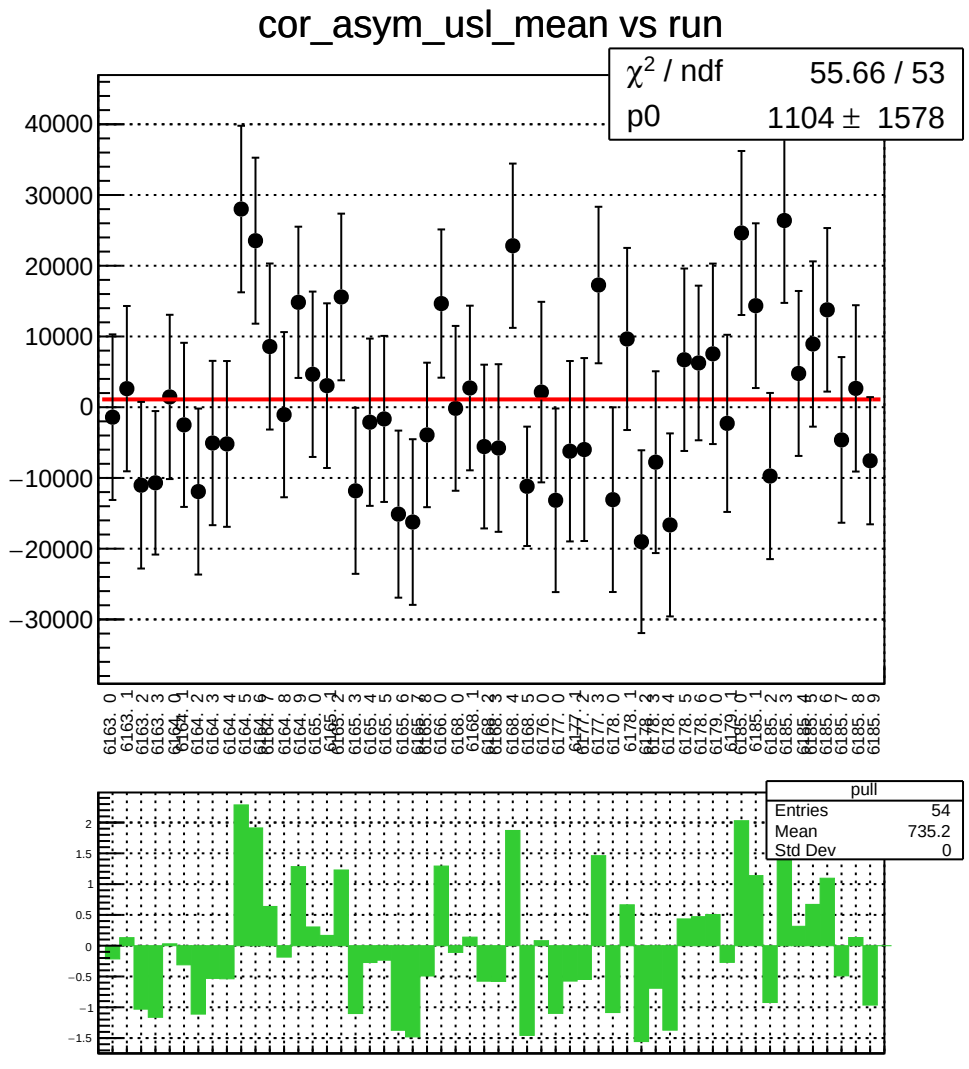

pull1D
Entries 54
Mean 0.002239
Std Dev 1.015

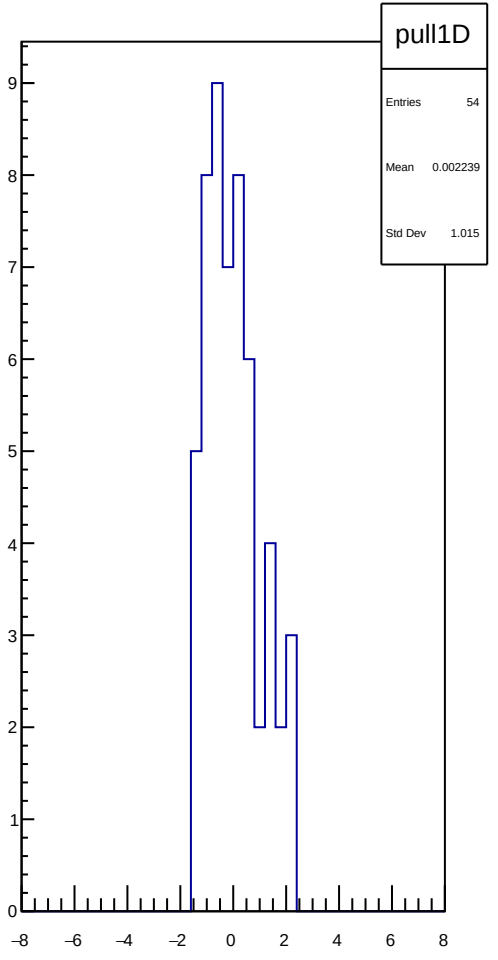

reg_asym_usl_rms vs run
χ² / ndf 1739 / 53
p0 1133 ± 1.116
1260
1240
1220
1200
1180
1160
1140
1120
1100
1080
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

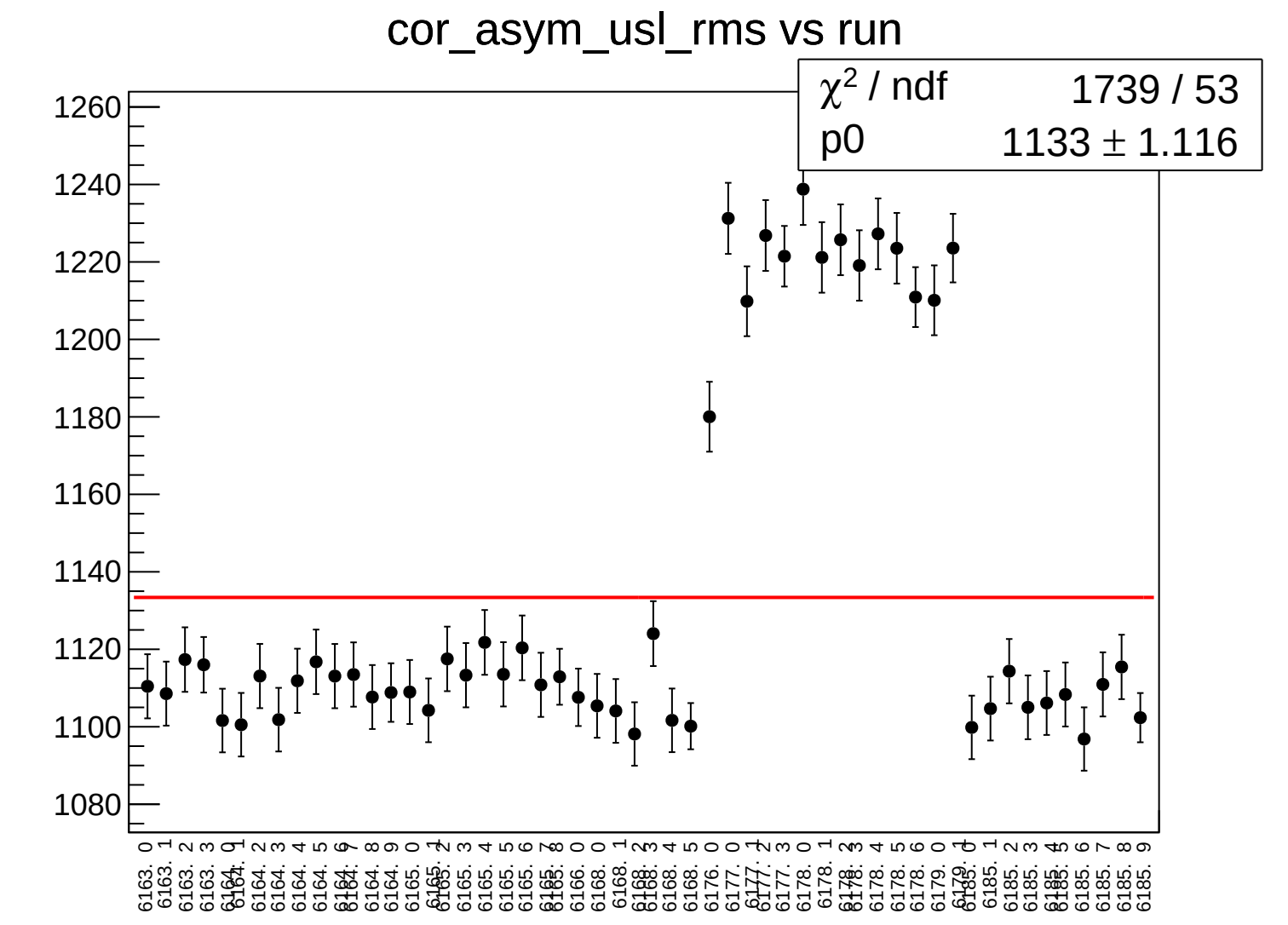

asym_usl_reg_correction_mean vs run
χ² / ndf 47.68 / 53
p0 573.3 ± 1125
pull
Entries 54
Mean 14.1
Std Dev 0


pull1D
Entries 54
Mean −0.007865
Std Dev 0.9396


asym_usl_reg_correction_rms vs run
χ² / ndf 2.391e+04 / 53
p0 799.3 ± 0.7957
1100
1000
900
800
700
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


cor_asym_usl_mean vs run
χ² / ndf 55.66 / 53
p0 1104 ± 1578
40000
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 54
Mean 735.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 54
Mean 0.002239
Std Dev 1.015
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_usl_rms vs run
χ^2 / ndf 1739 / 53
p0 1133 ± 1.116
1260
1240
1220
1200
1180
1160
1140
1120
1100
1080
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
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6185. 2
6185. 3
6185. 6
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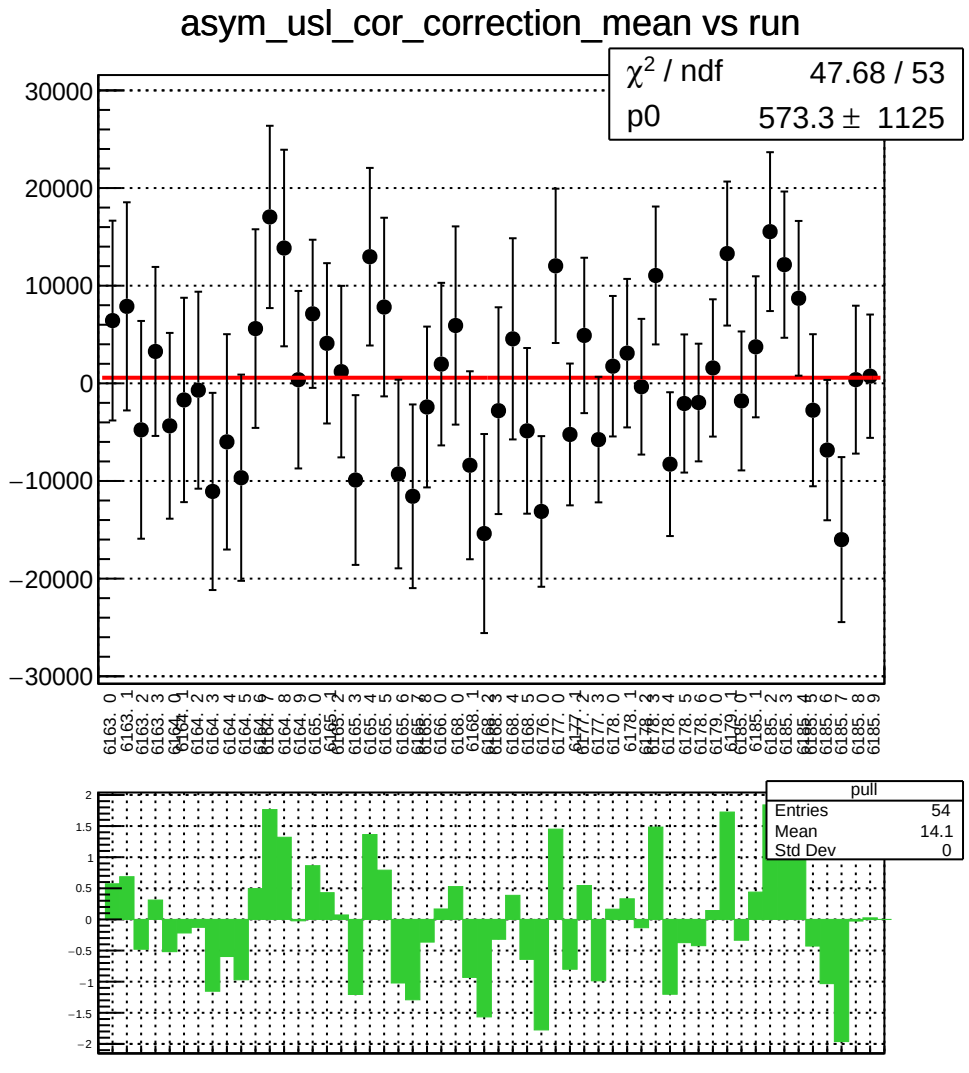
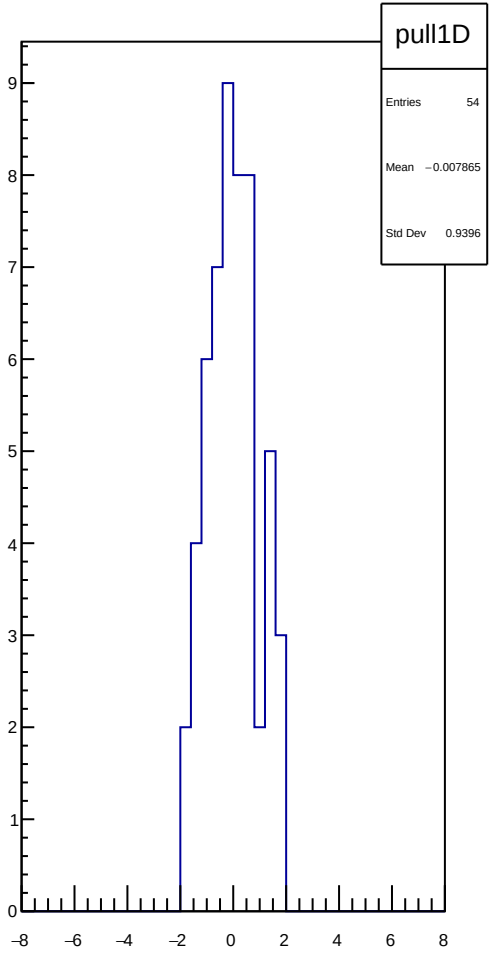
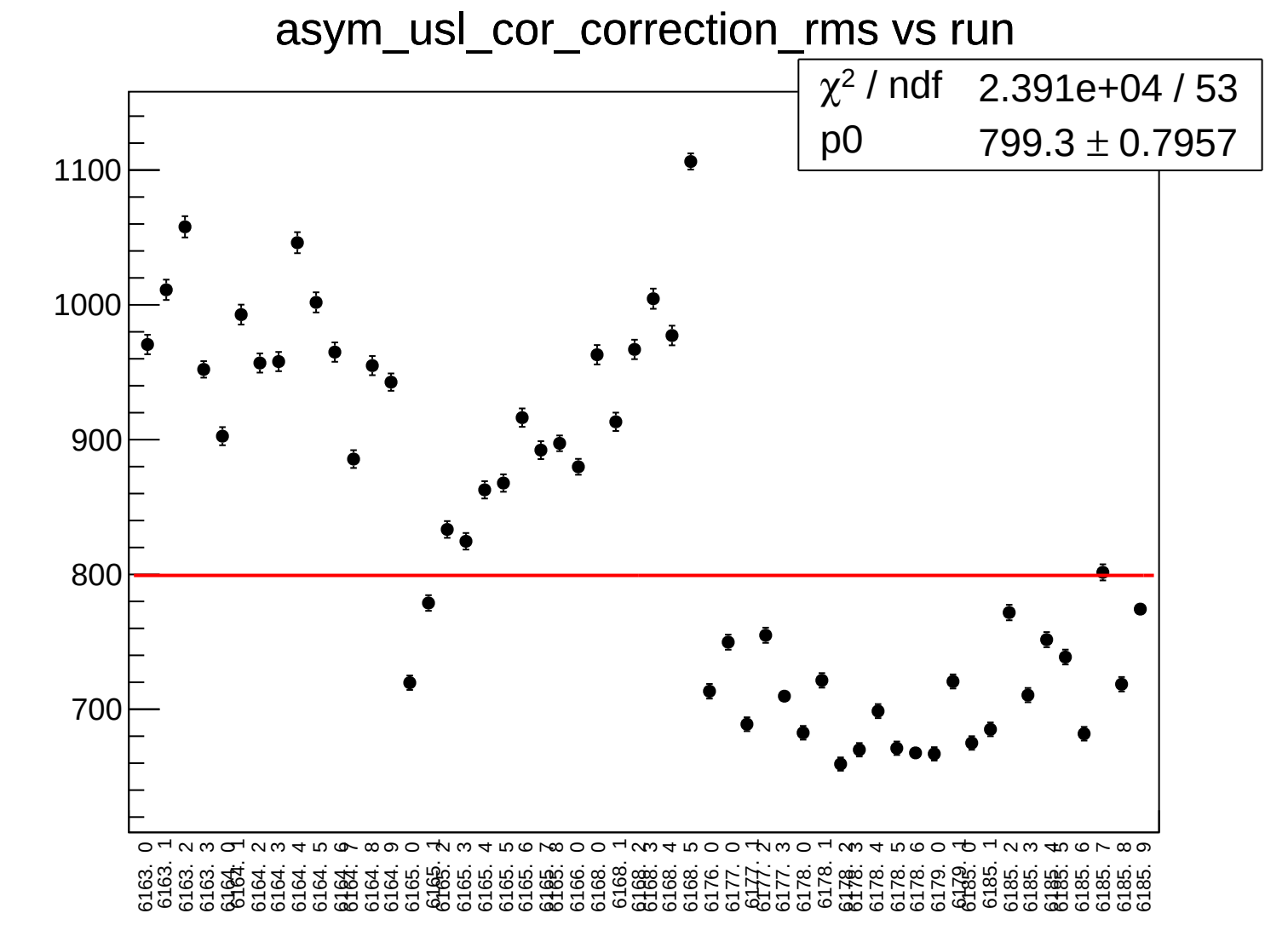
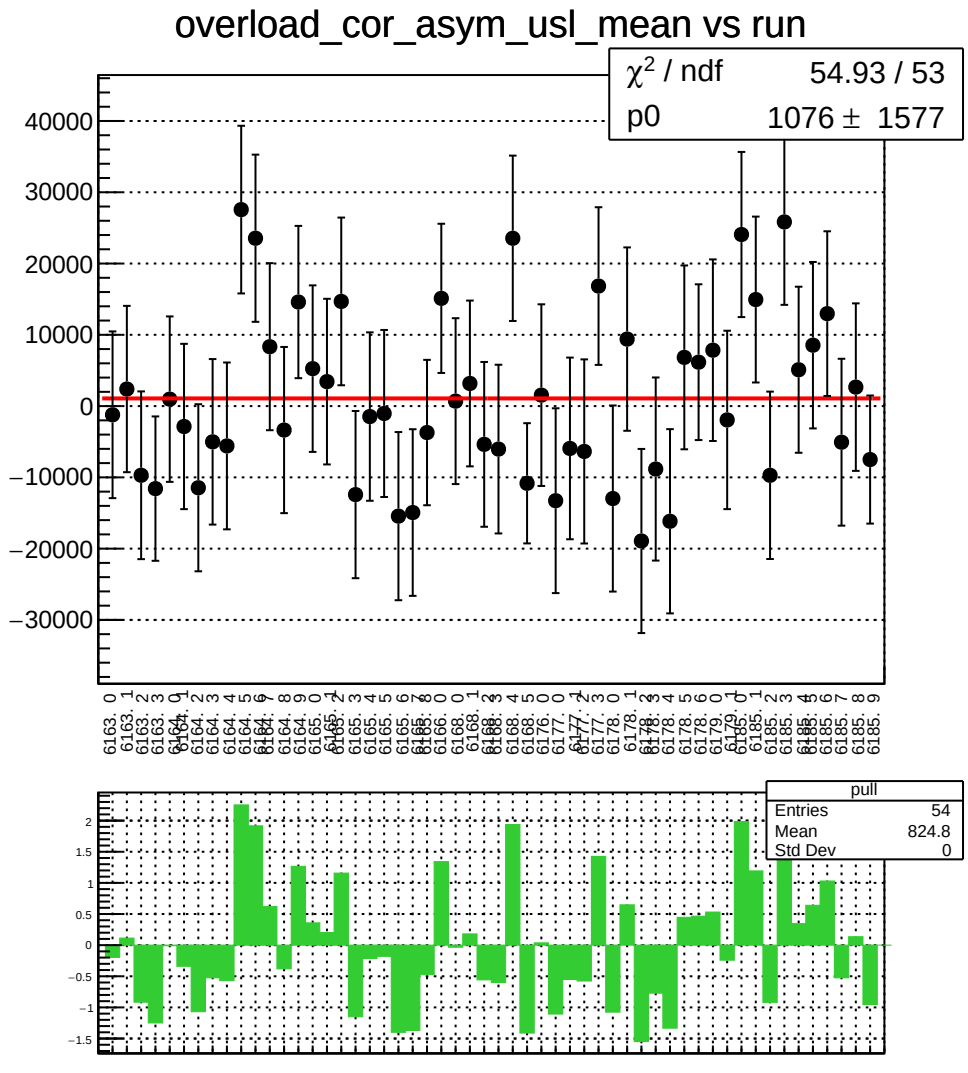
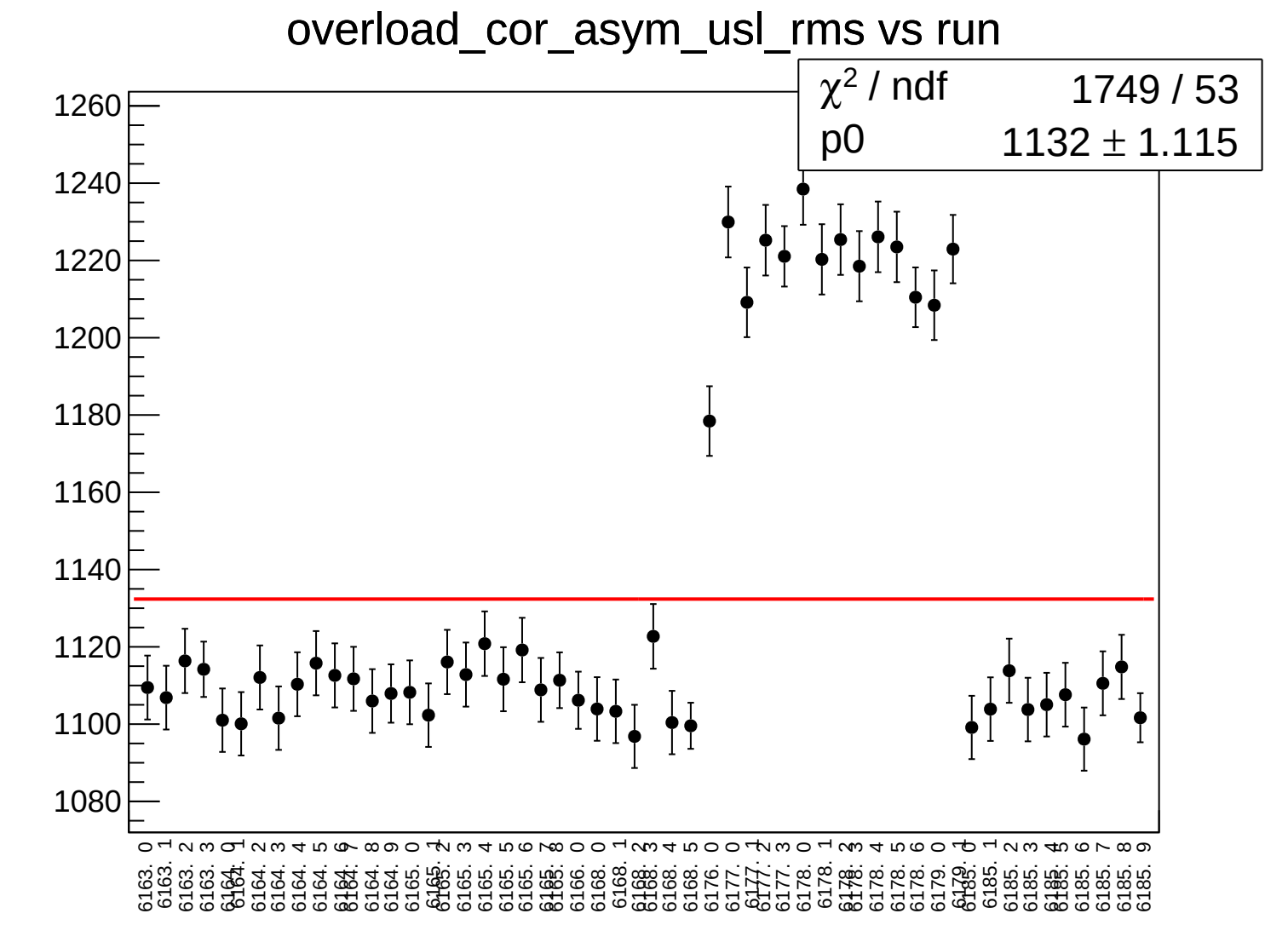
6185. 9

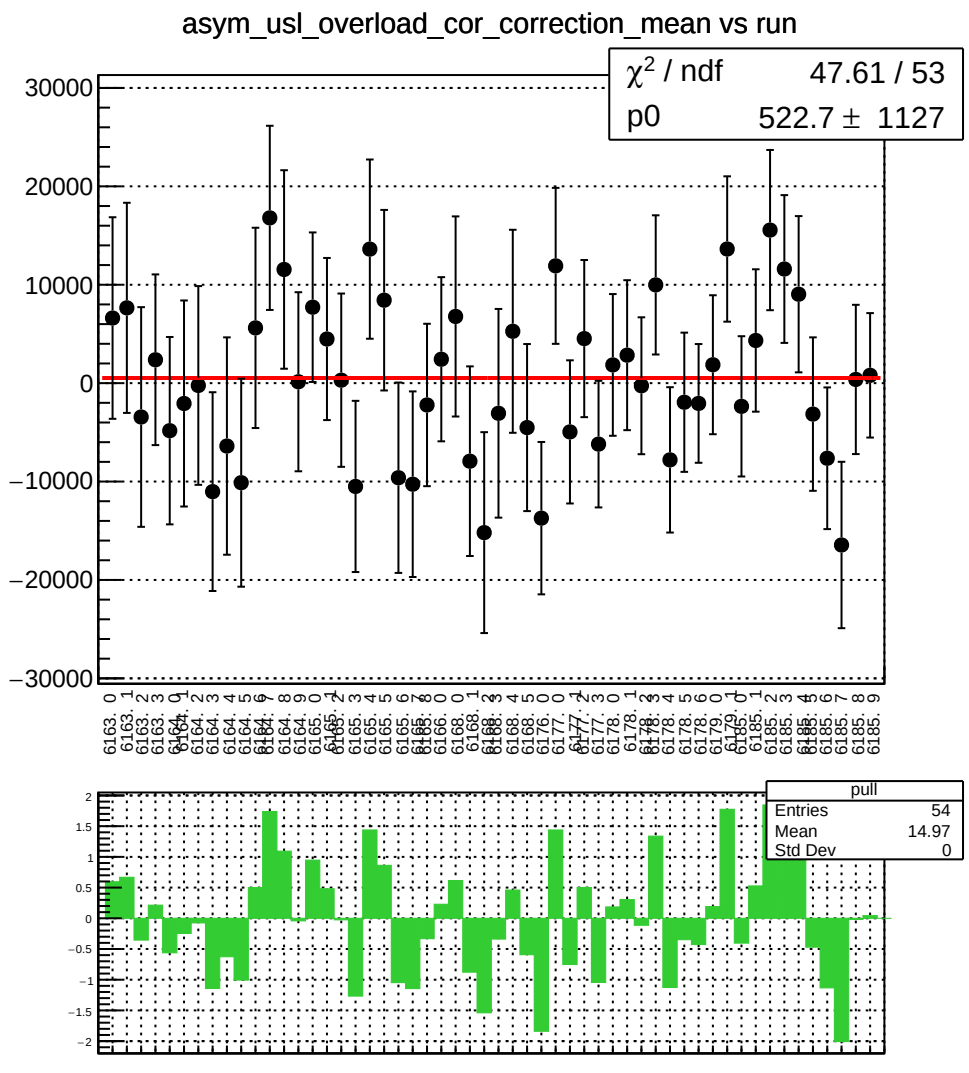

asym_usl_cor_correction_mean vs run
χ² / ndf 47.68 / 53
p0 573.3 ± 1125
pull
Entries 54
Mean 14.1
Std Dev 0

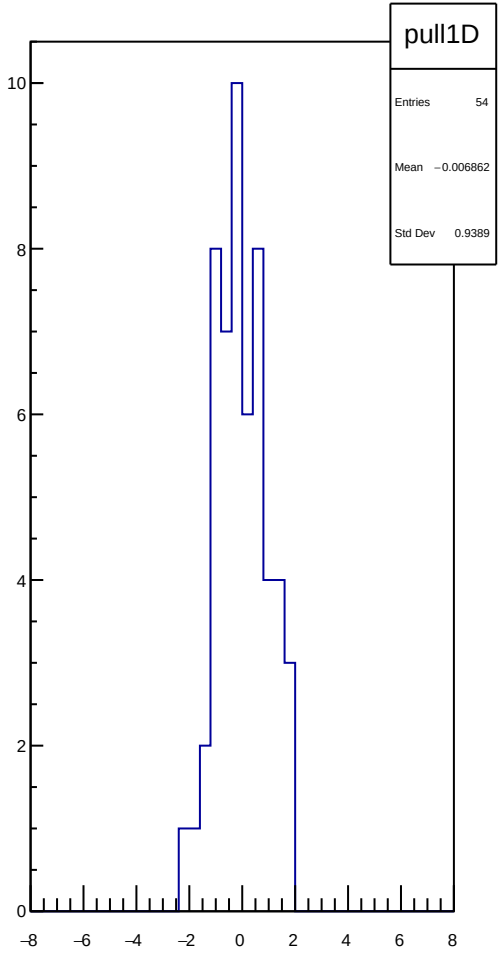

pull1D
Entries 54
Mean −0.007865
Std Dev 0.9396

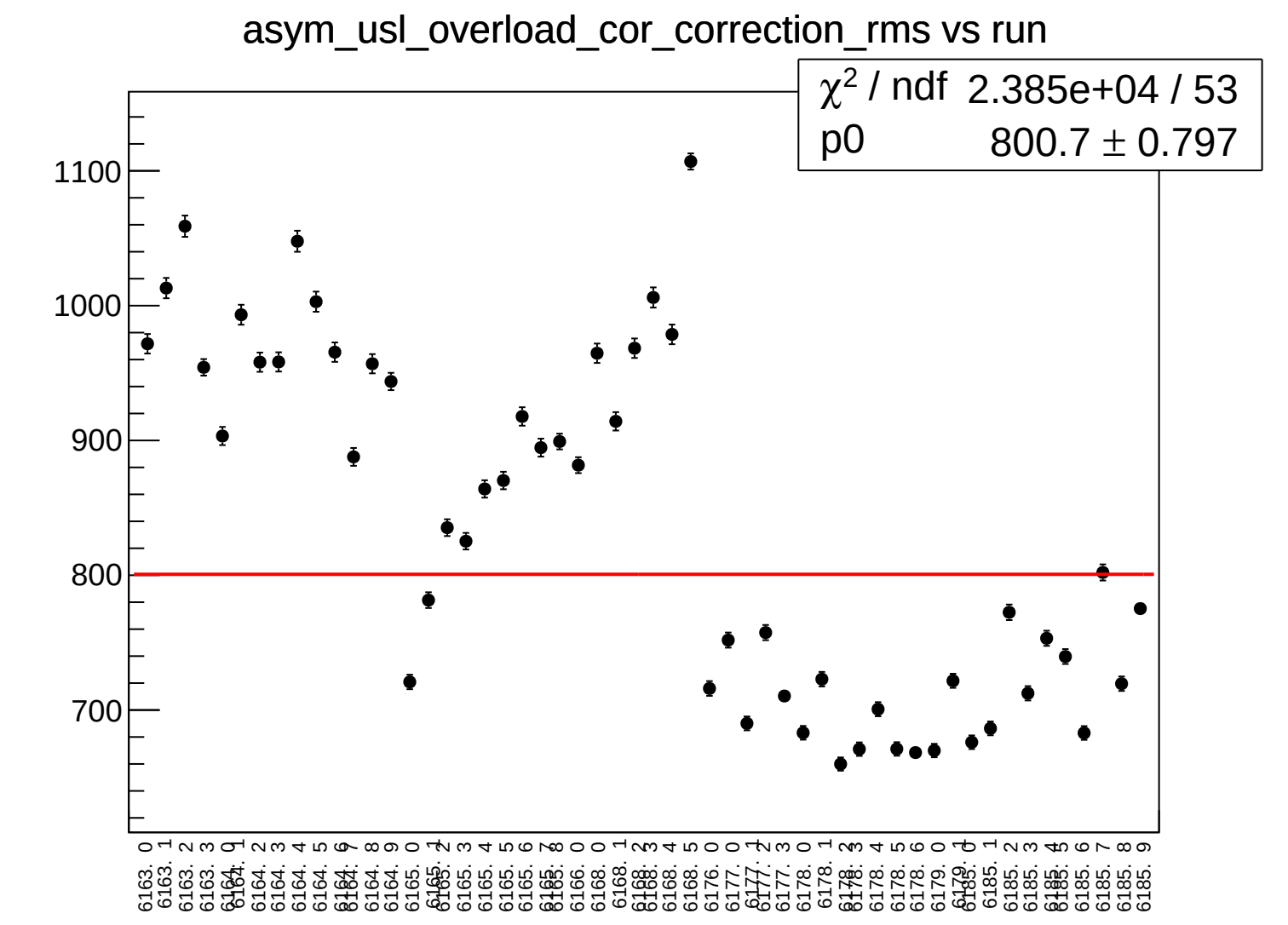

asym_usl_cor_correction_rms vs run
χ² / ndf 2.391e+04 / 53
p0 799.3 ± 0.7957
1100
1000
900
800
700
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 2
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


overload_cor_asym_usl_mean vs run
χ² / ndf 54.93 / 53
p0 1076 ± 1577
pull
Entries 54
Mean 824.8
Std Dev 0
pull1D
Entries 54
Mean 0.001987
Std Dev 1.009


overload_cor_asym_usl_rms vs run
χ² / ndf 1749 / 53
p0 1132 ± 1.115
1260
1240
1220
1200
1180
1160
1140
1120
1100
1080
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


asym_usl_overload_cor_correction_mean vs run
χ² / ndf 47.61 / 53
p0 522.7 ± 1127
pull
Entries 54
Mean 14.97
Std Dev 0


pull1D
Entries 54
Mean −0.006862
Std Dev 0.9389


asym_usl_overload_cor_correction_rms vs run
χ² / ndf 2.385e+04 / 53
p0 800.7 ± 0.797
1100
1000
900
800
700
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
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6179. 0
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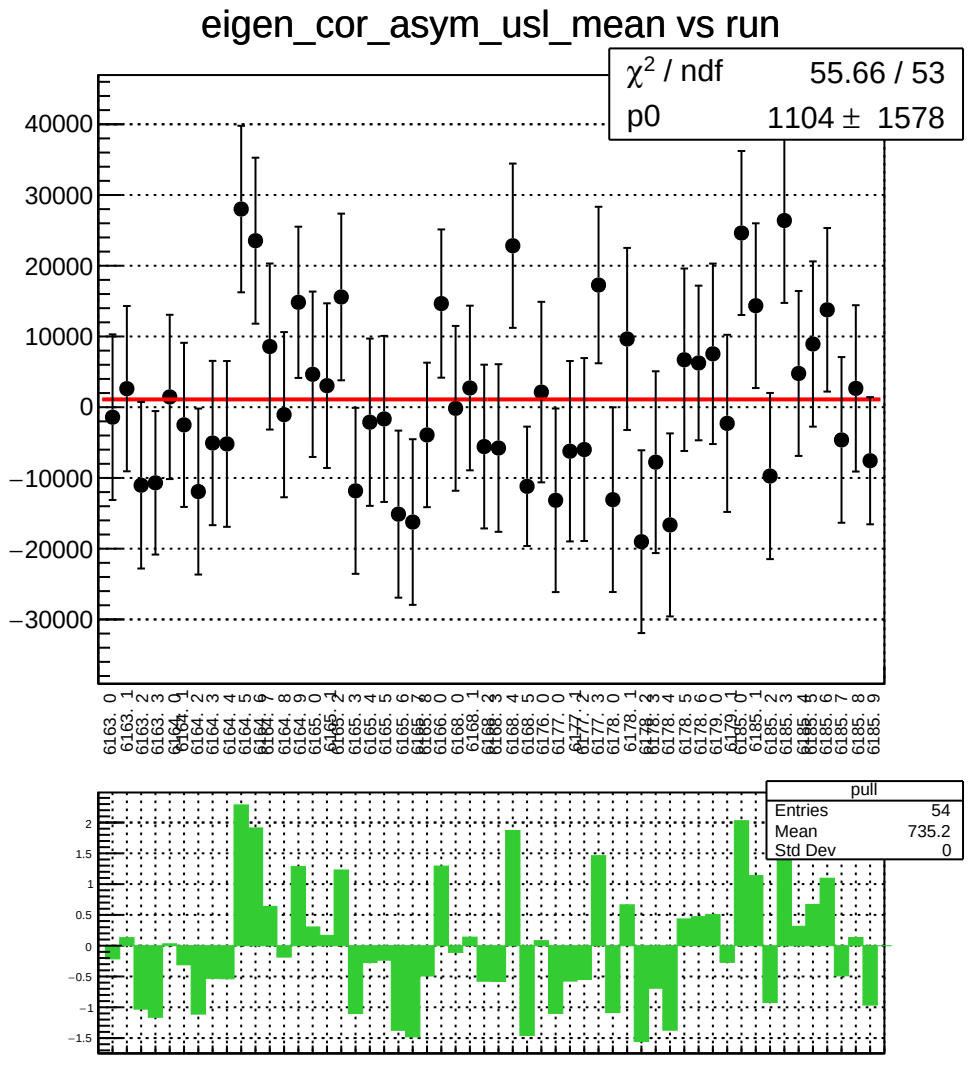
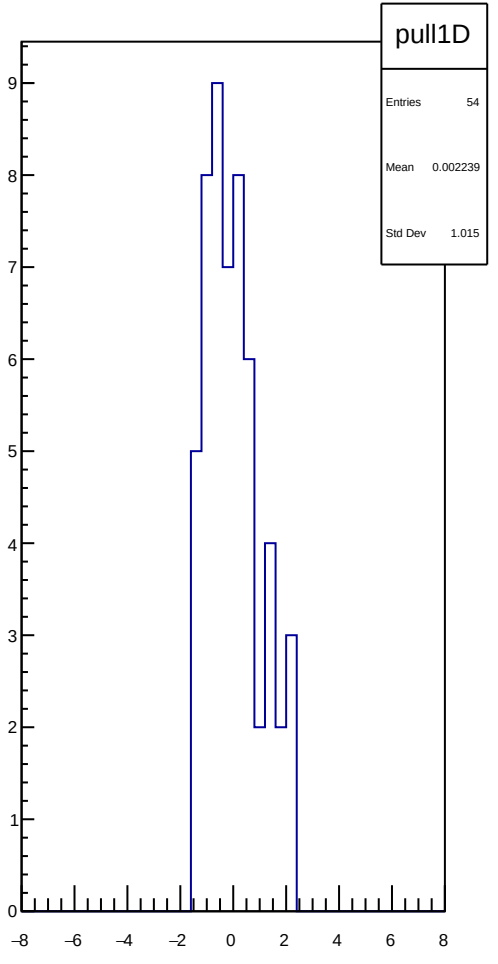
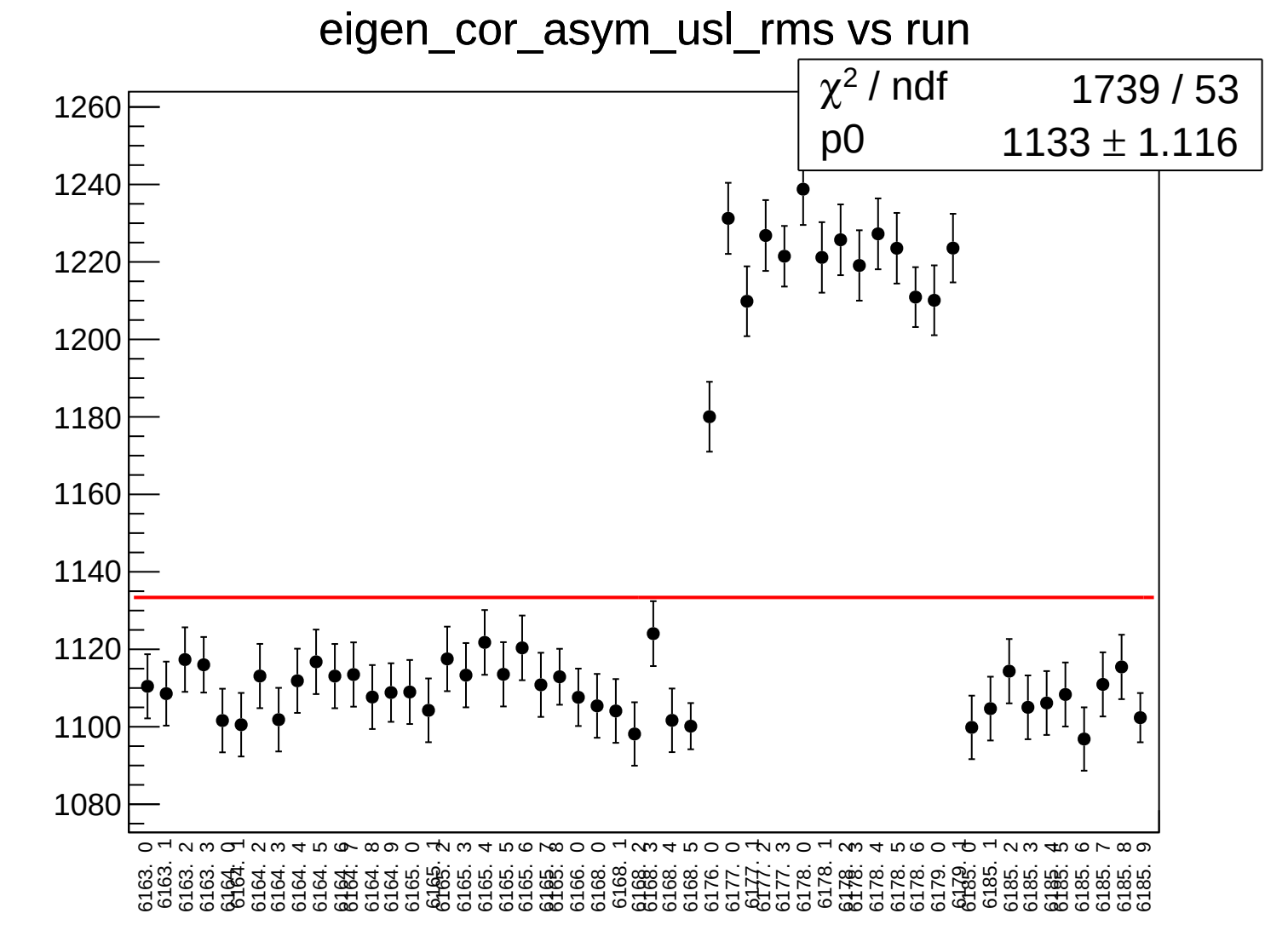
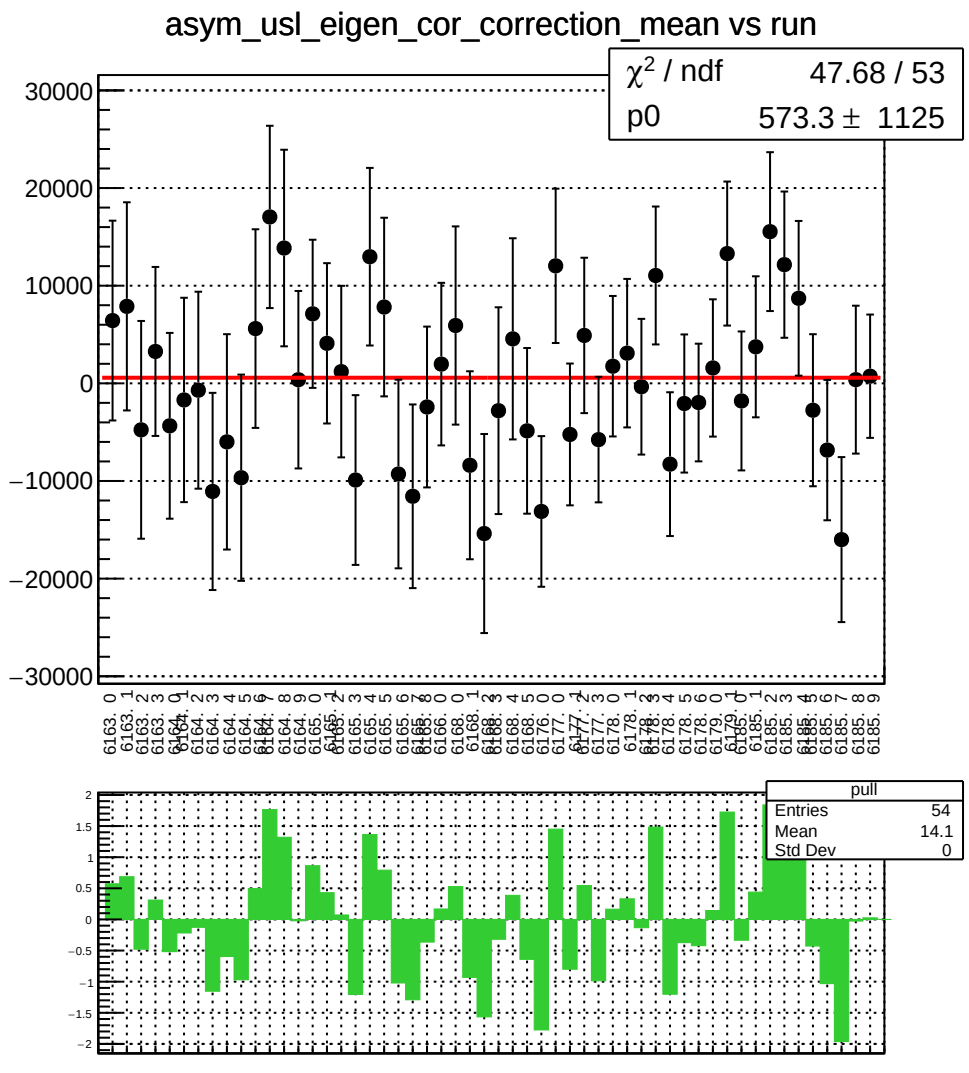
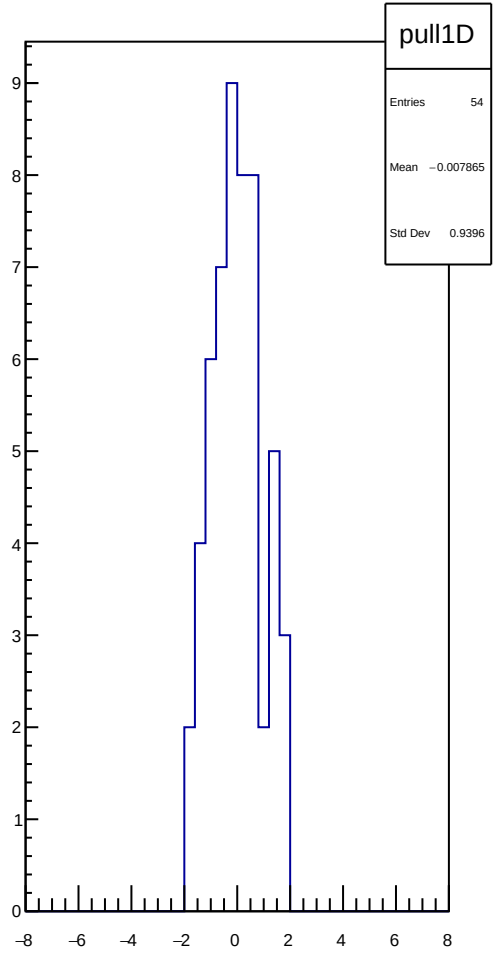
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

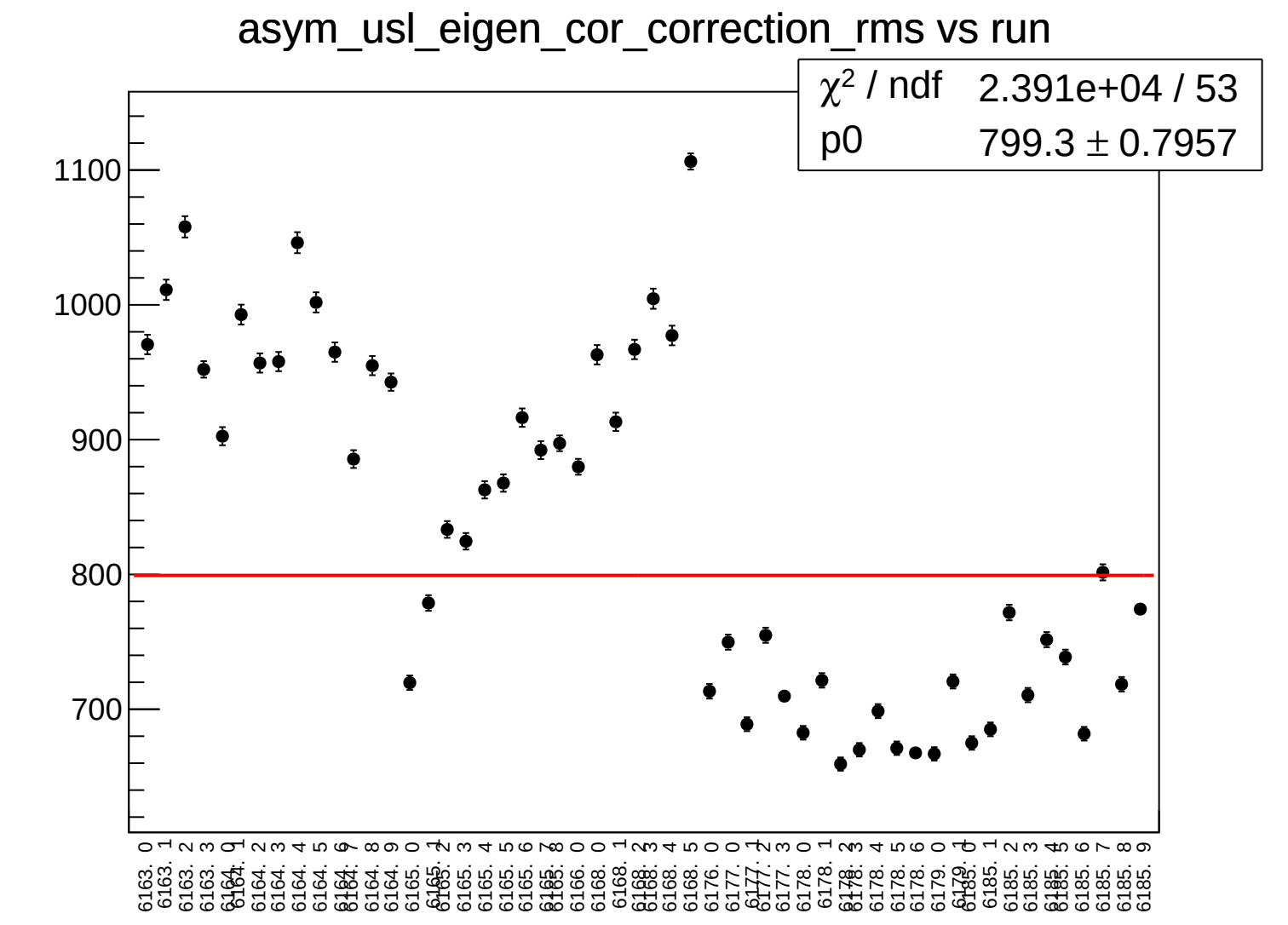

eigen_cor_asym_usl_mean vs run
χ² / ndf 55.66 / 53
p0 1104 ± 1578
pull
Entries 54
Mean 735.2
Std Dev 0

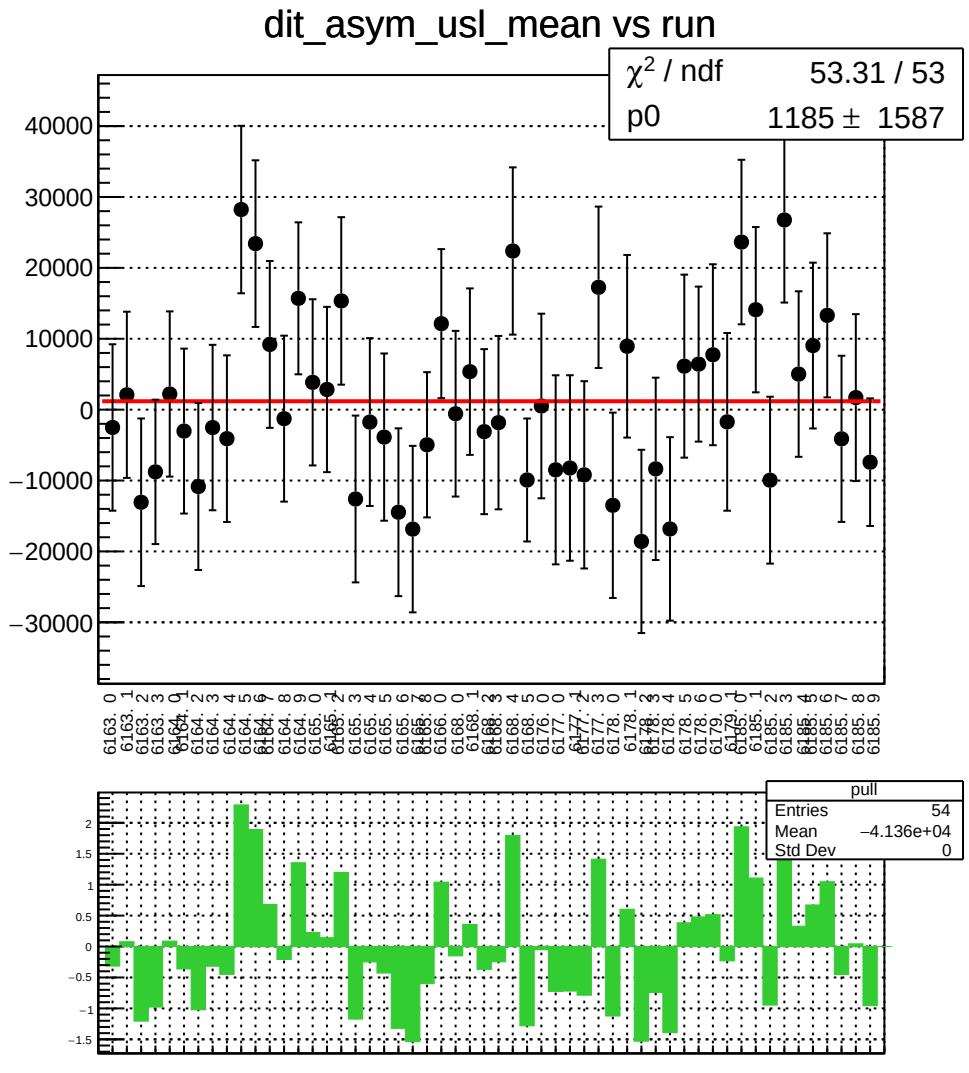

pull1D
Entries 54
Mean 0.002239
Std Dev 1.015

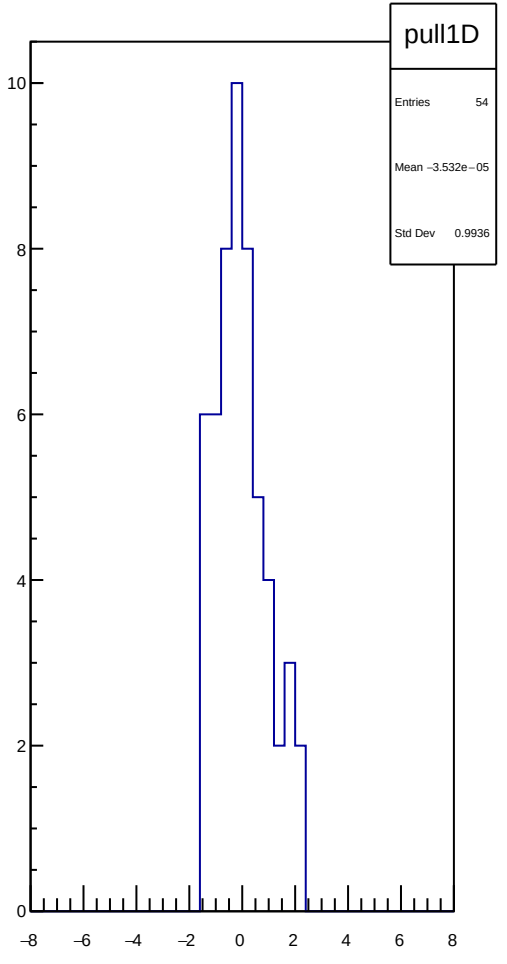

eigen_cor_asym_usl_rms vs run
χ² / ndf 1739 / 53
p0 1133 ± 1.116
1260
1240
1220
1200
1180
1160
1140
1120
1100
1080
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

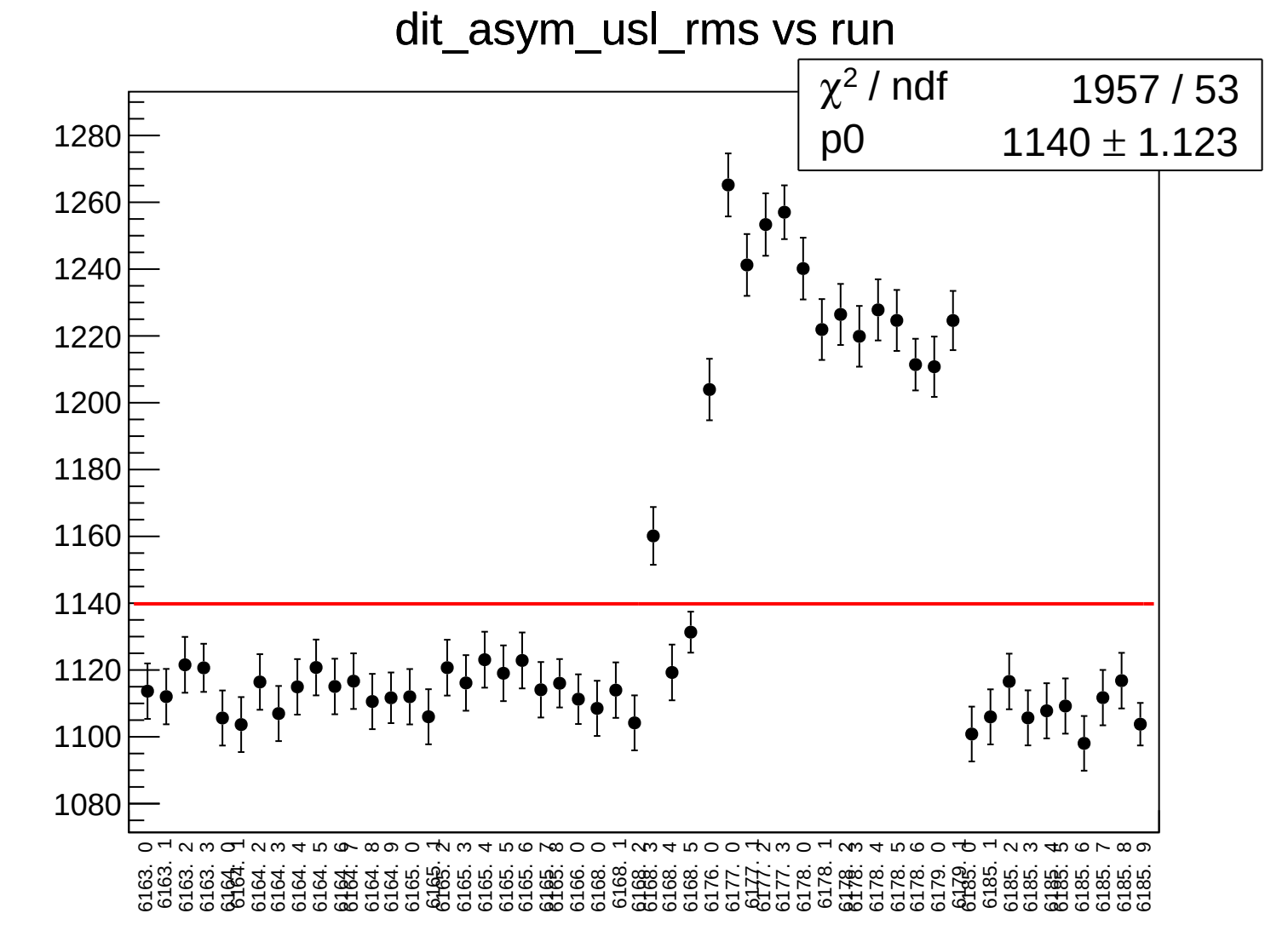

asym_usl_eigen_cor_correction_mean vs run
χ² / ndf 47.68 / 53
p0 573.3 ± 1125
pull
Entries 54
Mean 14.1
Std Dev 0

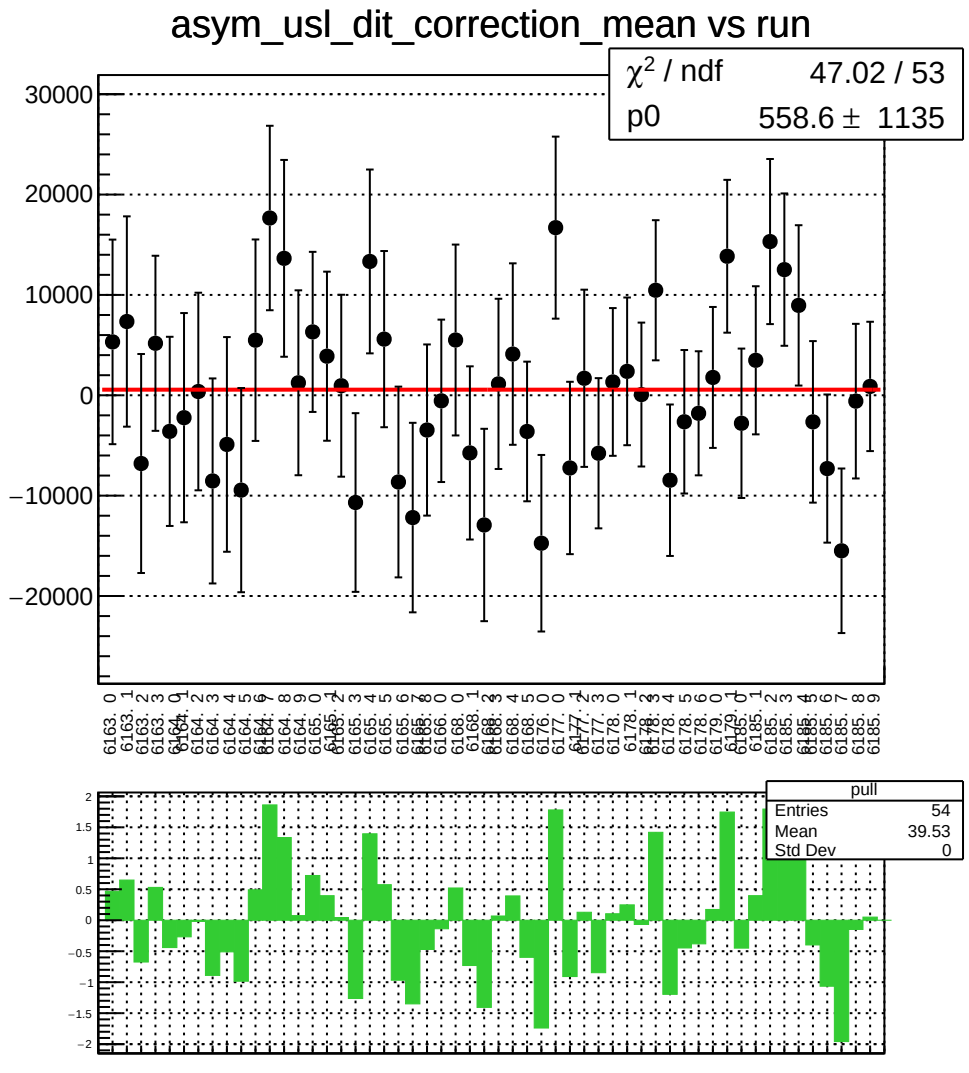

pull1D
Entries 54
Mean −0.007865
Std Dev 0.9396

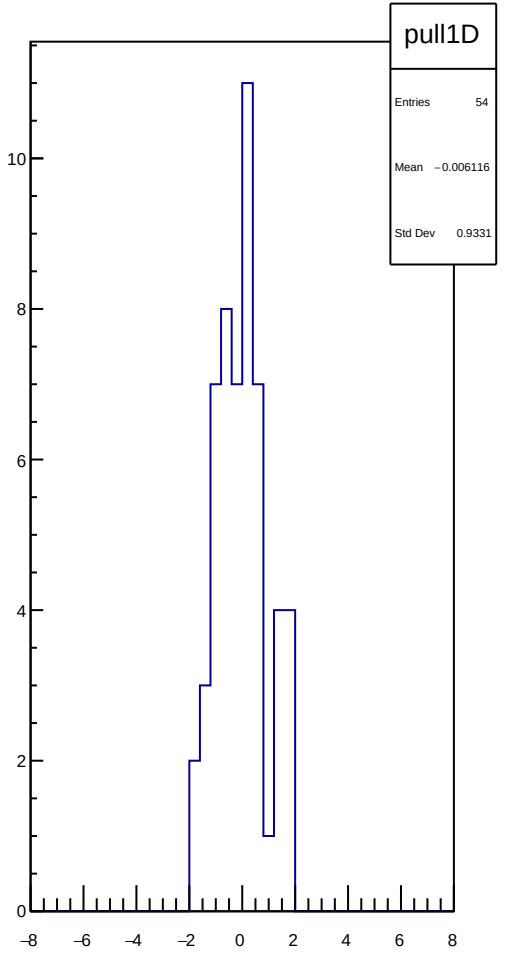

asym_usl_eigen_cor_correction_rms vs run
χ² / ndf 2.391e+04 / 53
p0 799.3 ± 0.7957
1100
1000
900
800
700
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

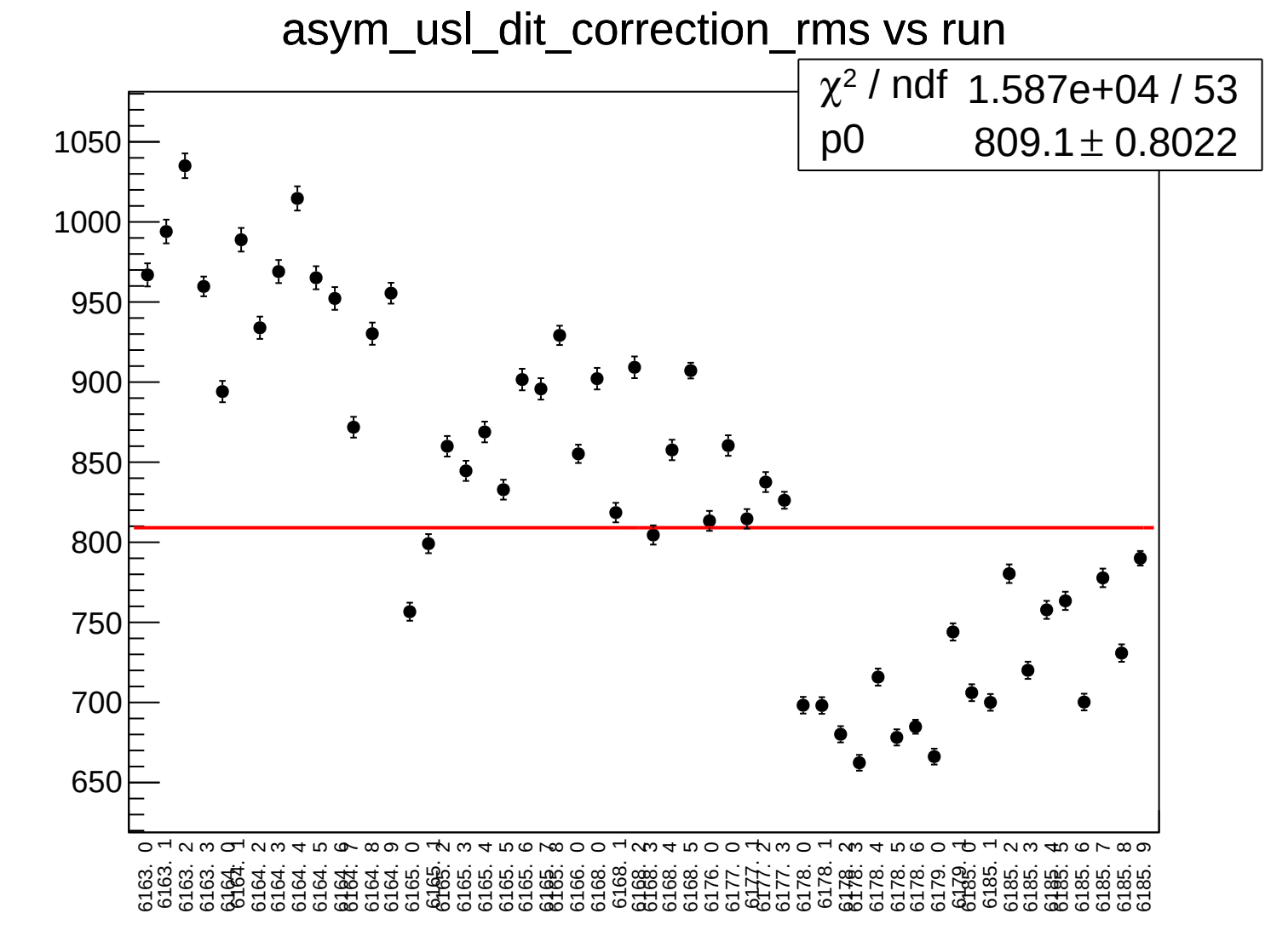

dit_asym_usl_mean vs run
χ² / ndf 53.31 / 53
p0 1185 ± 1587
pull
Entries 54
Mean −4.136e+04
Std Dev 0

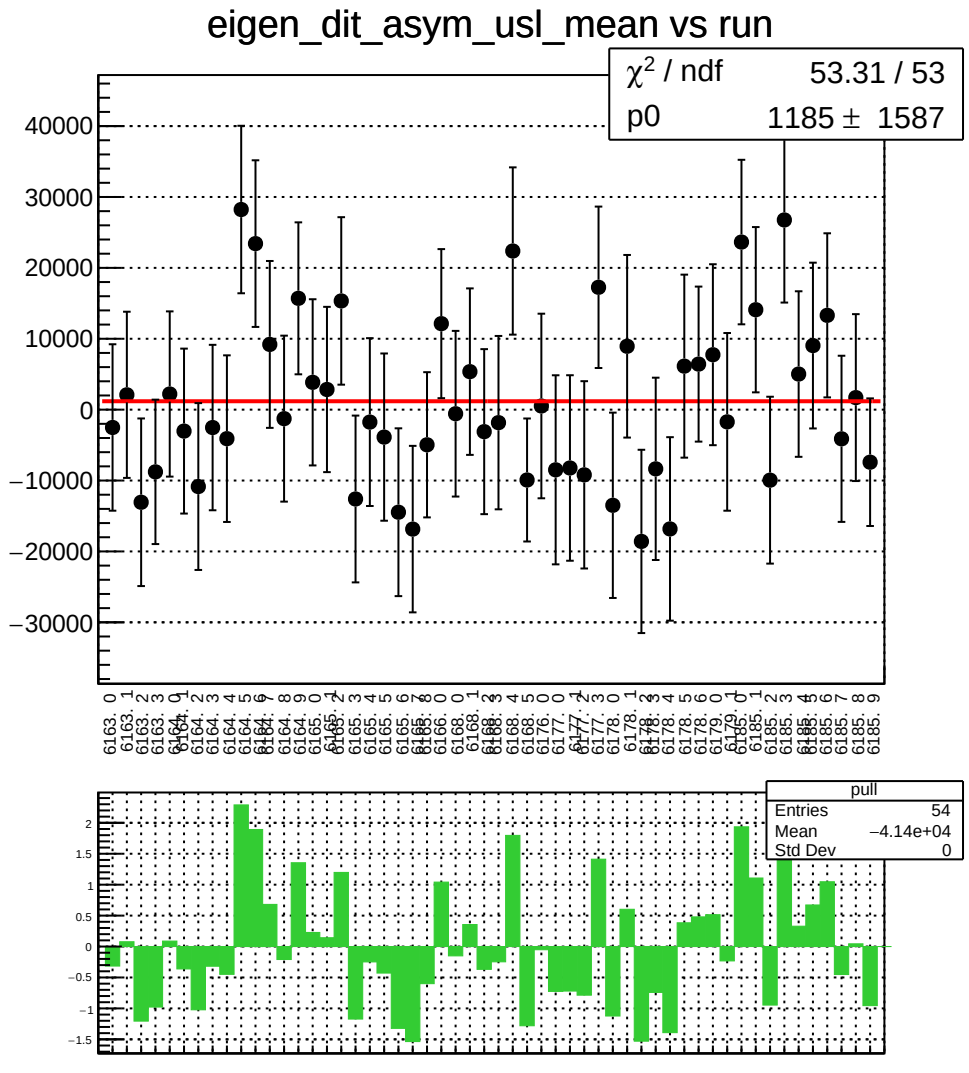

pull1D
Entries 54
Mean −3.532e−05
Std Dev 0.9936

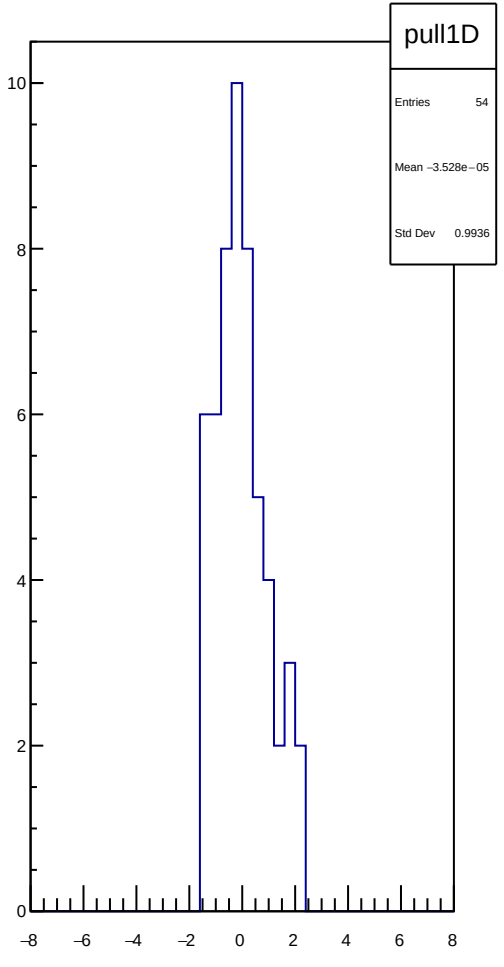

dit_asym_usl_rms vs run
χ² / ndf 1957 / 53
p0 1140 ± 1.123
1280
1260
1240
1220
1200
1180
1160
1140
1120
1100
1080
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

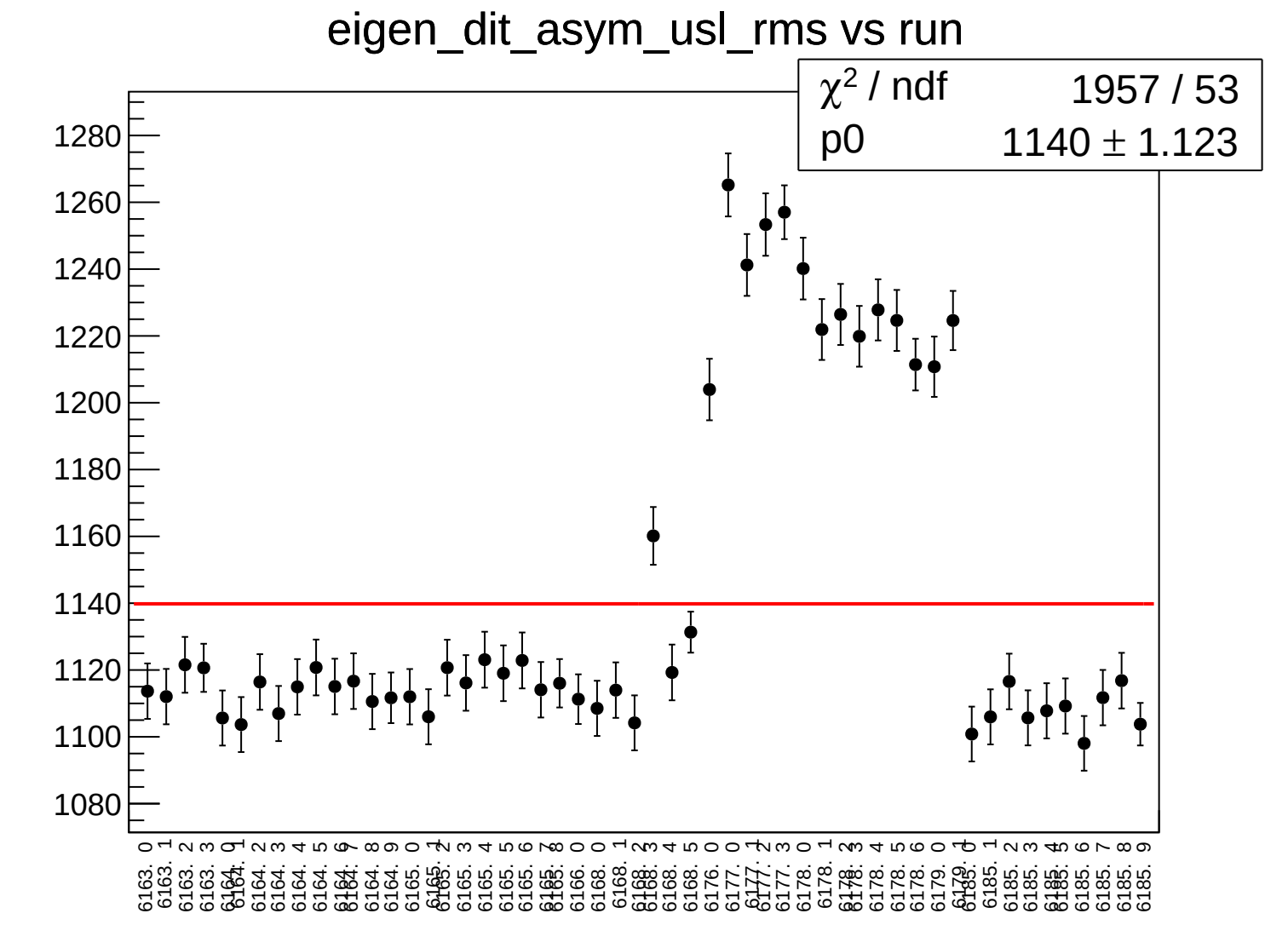

asym_usl_dit_correction_mean vs run
χ² / ndf 47.02 / 53
p0 558.6 ± 1135
pull
Entries 54
Mean 39.53
Std Dev 0

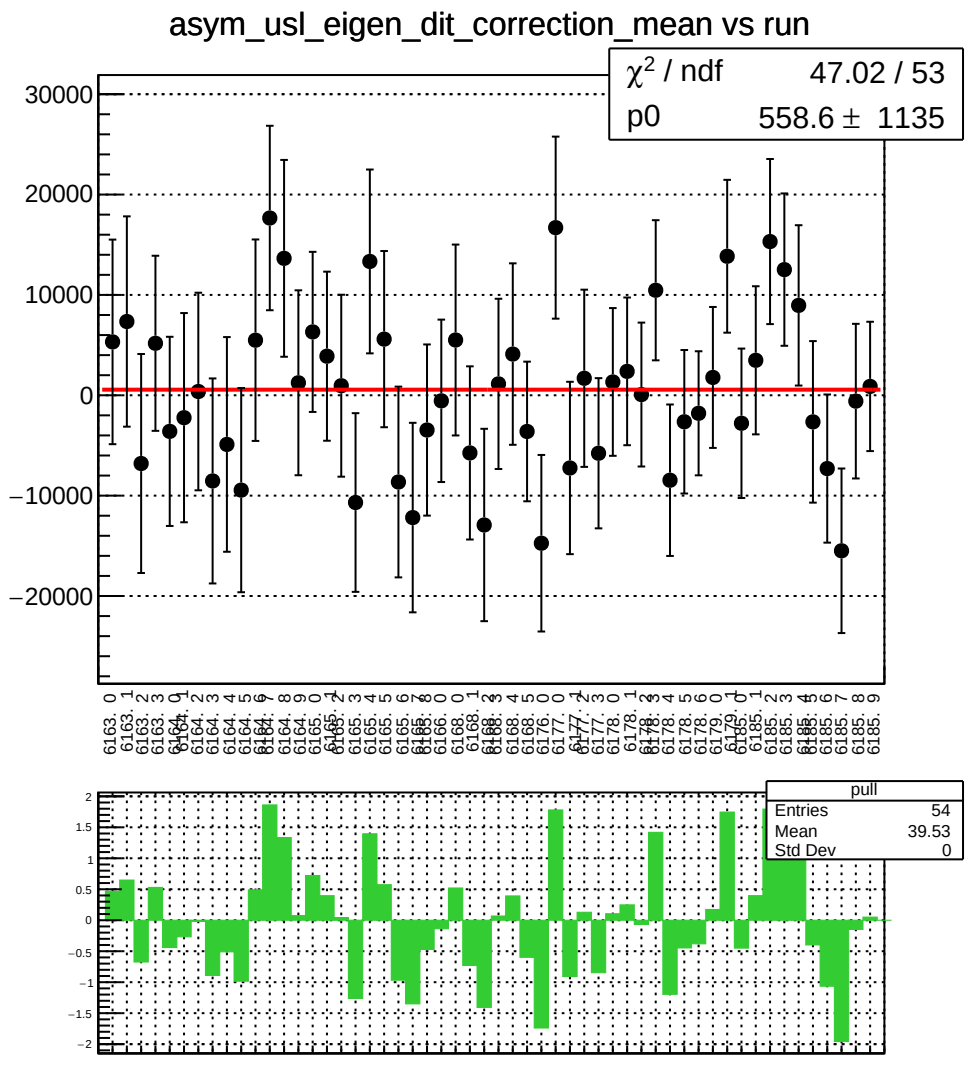

pull1D
Entries 54
Mean −0.006116
Std Dev 0.9331

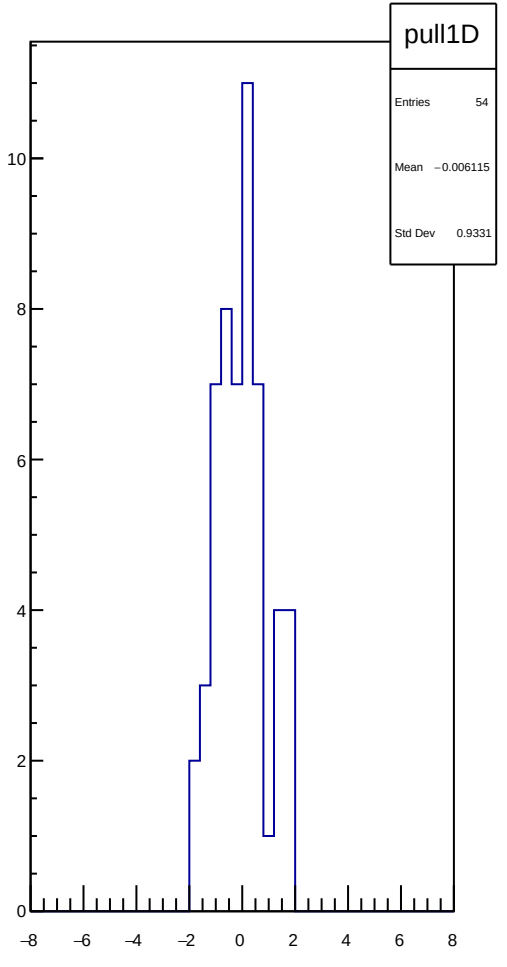

asym_usl_dit_correction_rms vs run
χ² / ndf 1.587e+04 / 53
p0 809.1 ± 0.8022
1050
1000
950
900
850
800
750
700
650
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

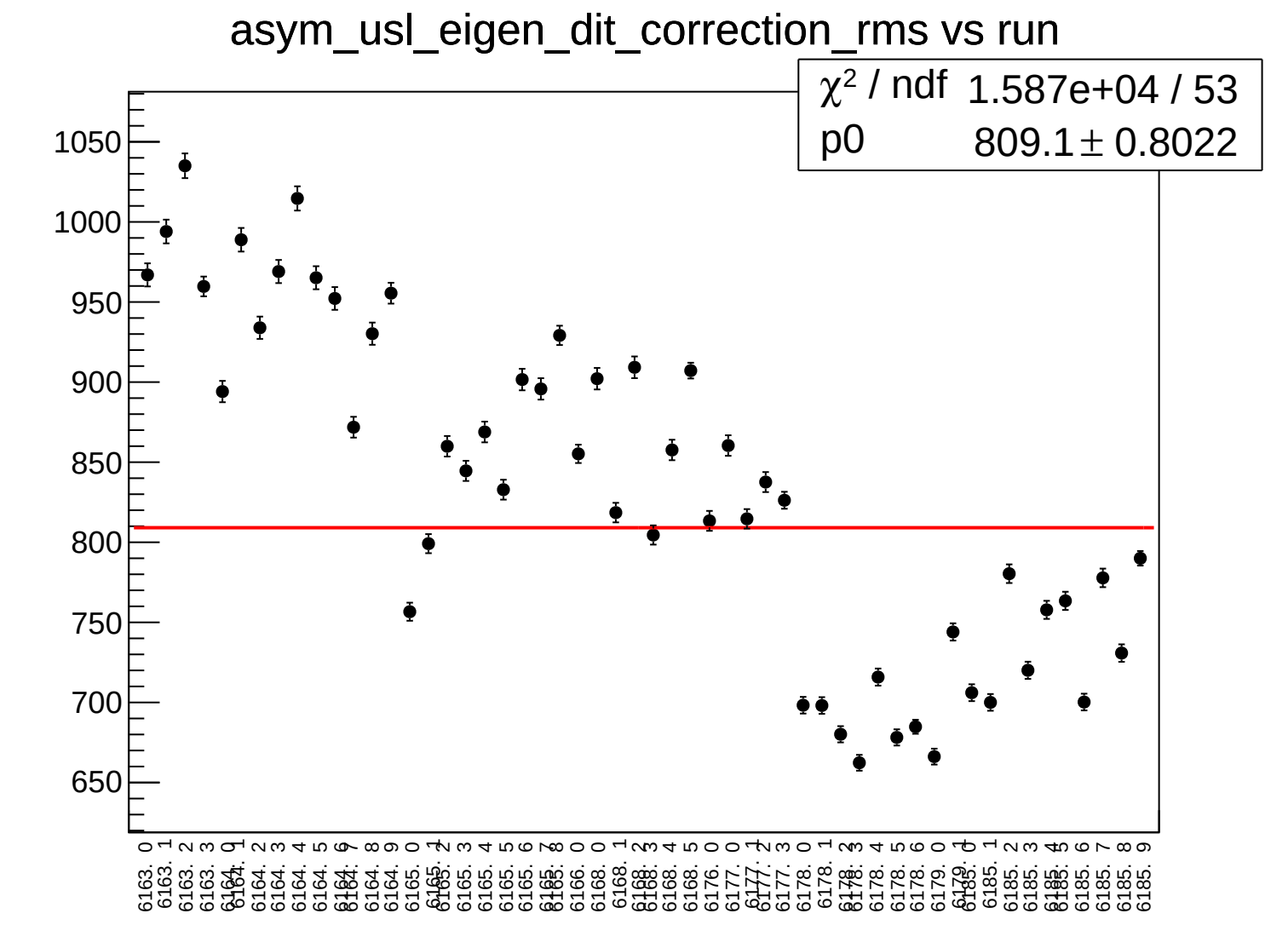

eigen_dit_asym_usl_mean vs run
χ² / ndf 53.31 / 53
p0 1185 ± 1587
pull
Entries 54
Mean −4.14e+04
Std Dev 0

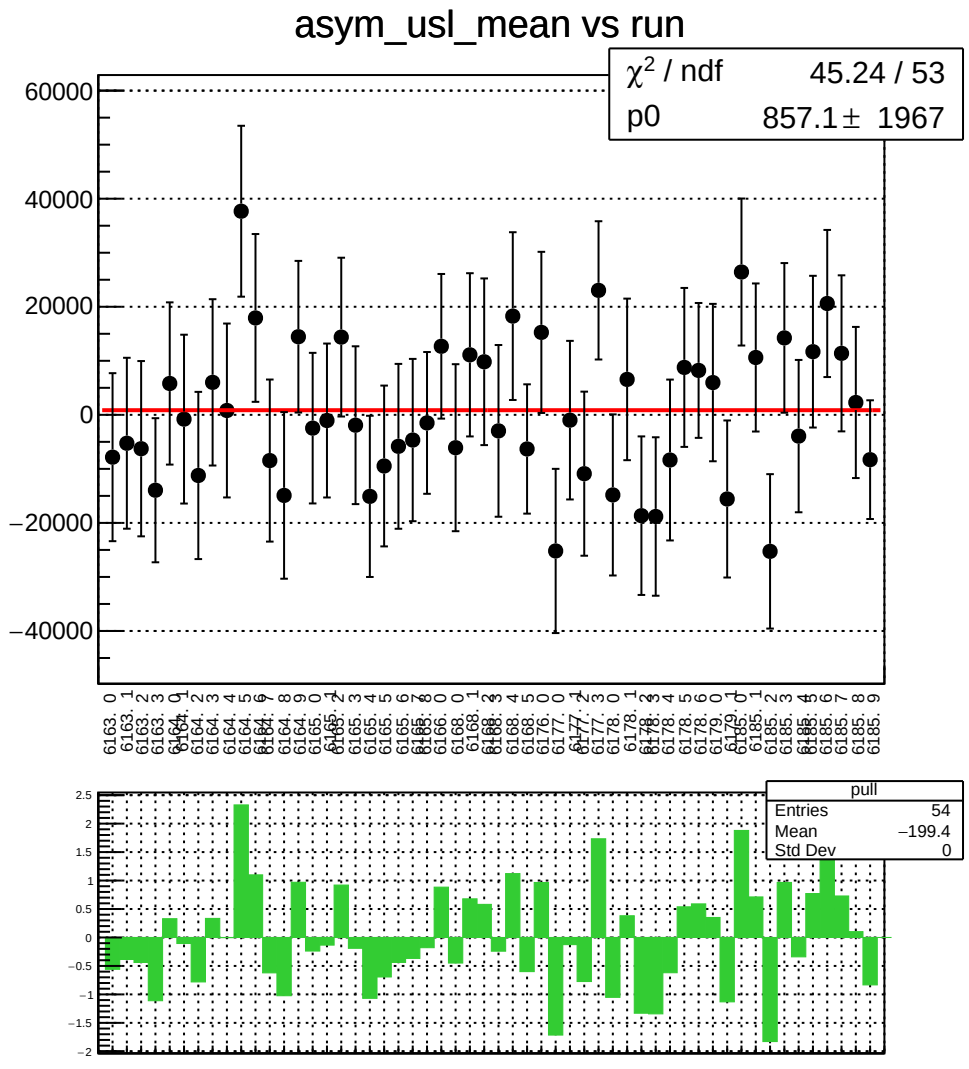

pull1D
Entries 54
Mean −3.528e−05
Std Dev 0.9936

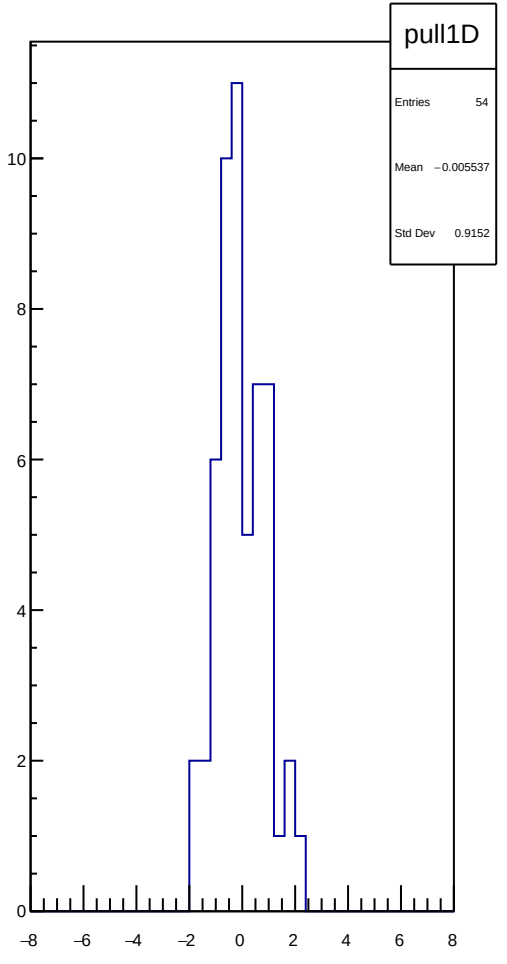

eigen_dit_asym_usl_rms vs run
χ² / ndf 1957 / 53
p0 1140 ± 1.123
1280
1260
1240
1220
1200
1180
1160
1140
1120
1100
1080
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

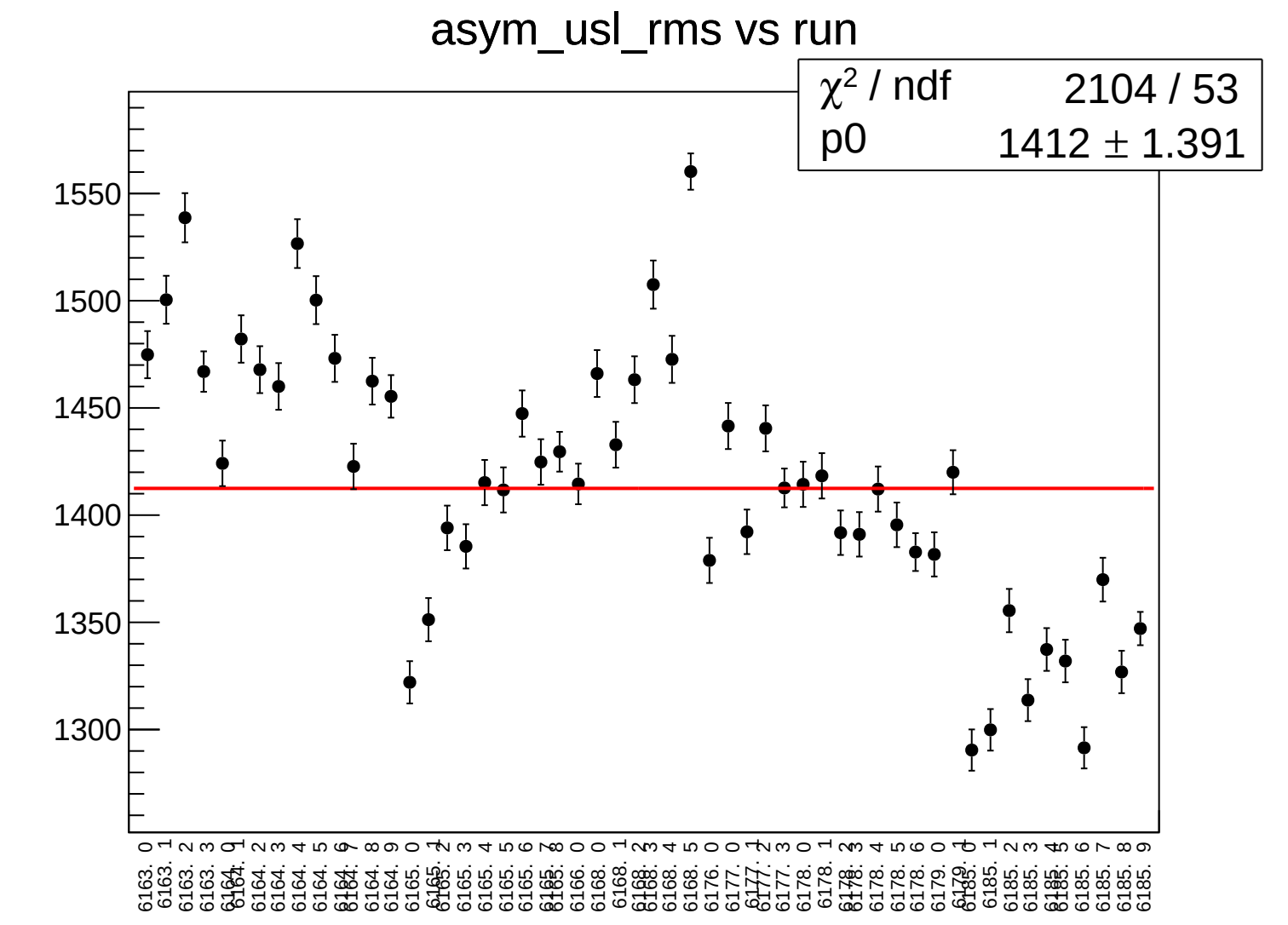

asym_usl_eigen_dit_correction_mean vs run
χ² / ndf 47.02 / 53
p0 558.6 ± 1135
30000
20000
10000
0
−10000
−20000
pull
Entries 54
Mean 39.53
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 54
Mean −0.006115
Std Dev 0.9331
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 1.587e+04 / 53
p0 809.1 ± 0.8022
1050
1000
950
900
850
800
750
700
650
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


asym_usl_mean vs run
χ² / ndf 45.24 / 53
p0 857.1 ± 1967
60000
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −199.4
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 54
Mean −0.005537
Std Dev 0.9152
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_usl_rms vs run
χ² / ndf 2104 / 53
p0 1412 ± 1.391
1550
1500
1450
1400
1350
1300
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
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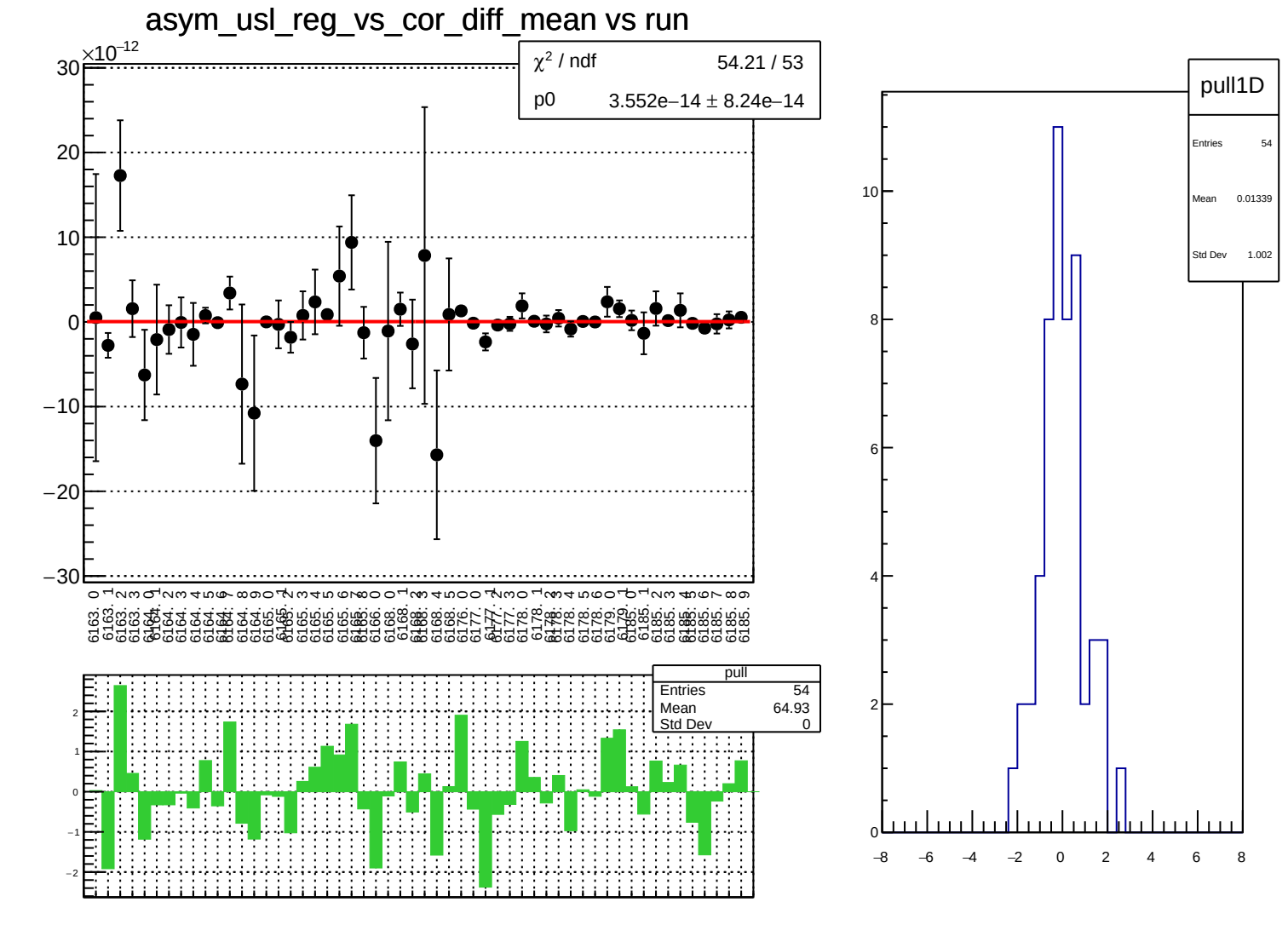
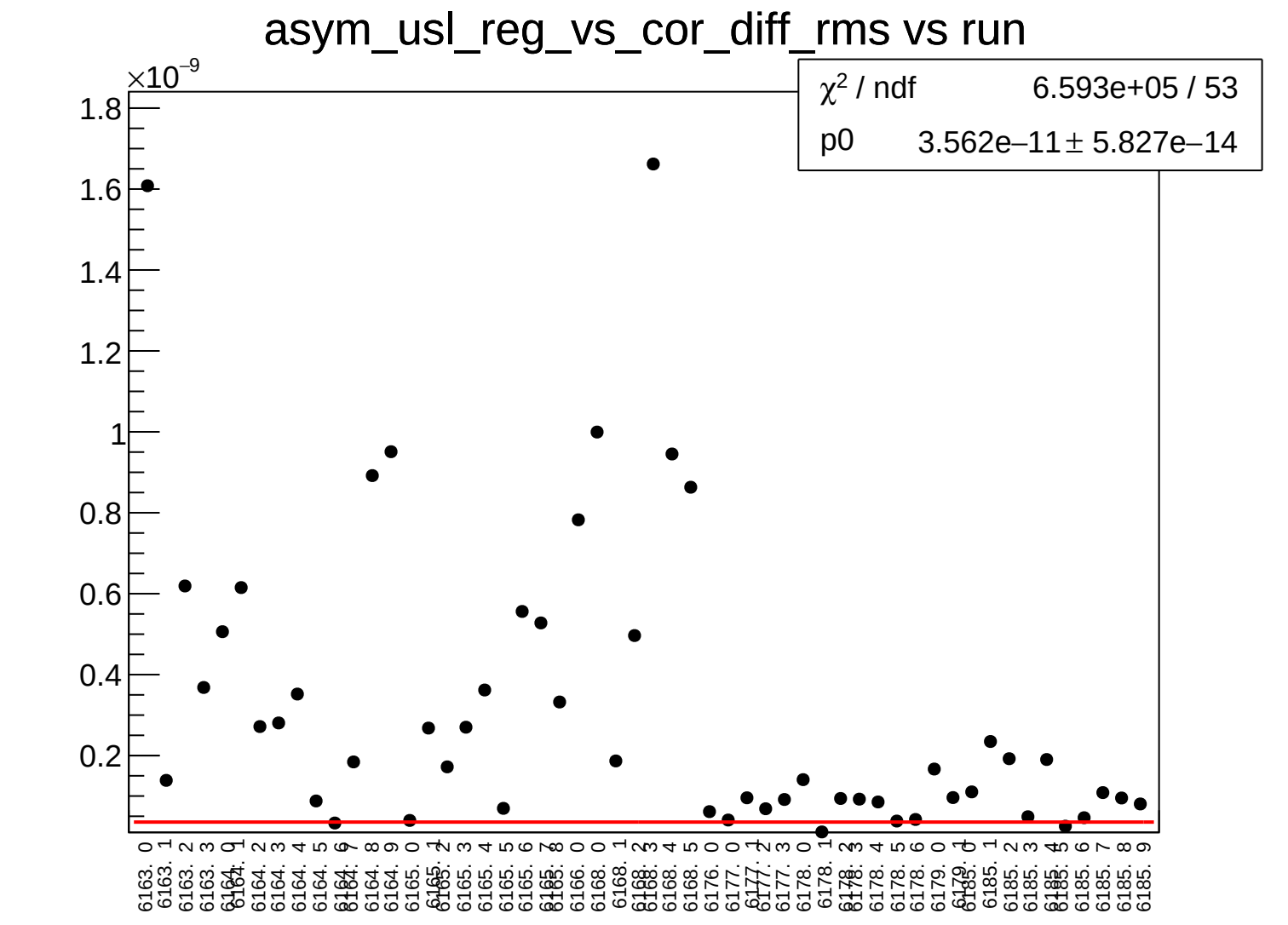
6185. 7
6185. 8
6185. 9


asym_usl_reg_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 54.21 / 53
p0 3.552e−14 ± 8.24e−14
pull
Entries 54
Mean 64.93
Std Dev 0
pull1D
Entries 54
Mean 0.01339
Std Dev 1.002


asym_usl_reg_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.593e+05 / 53
p0 3.562e−11 ± 5.827e−14
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
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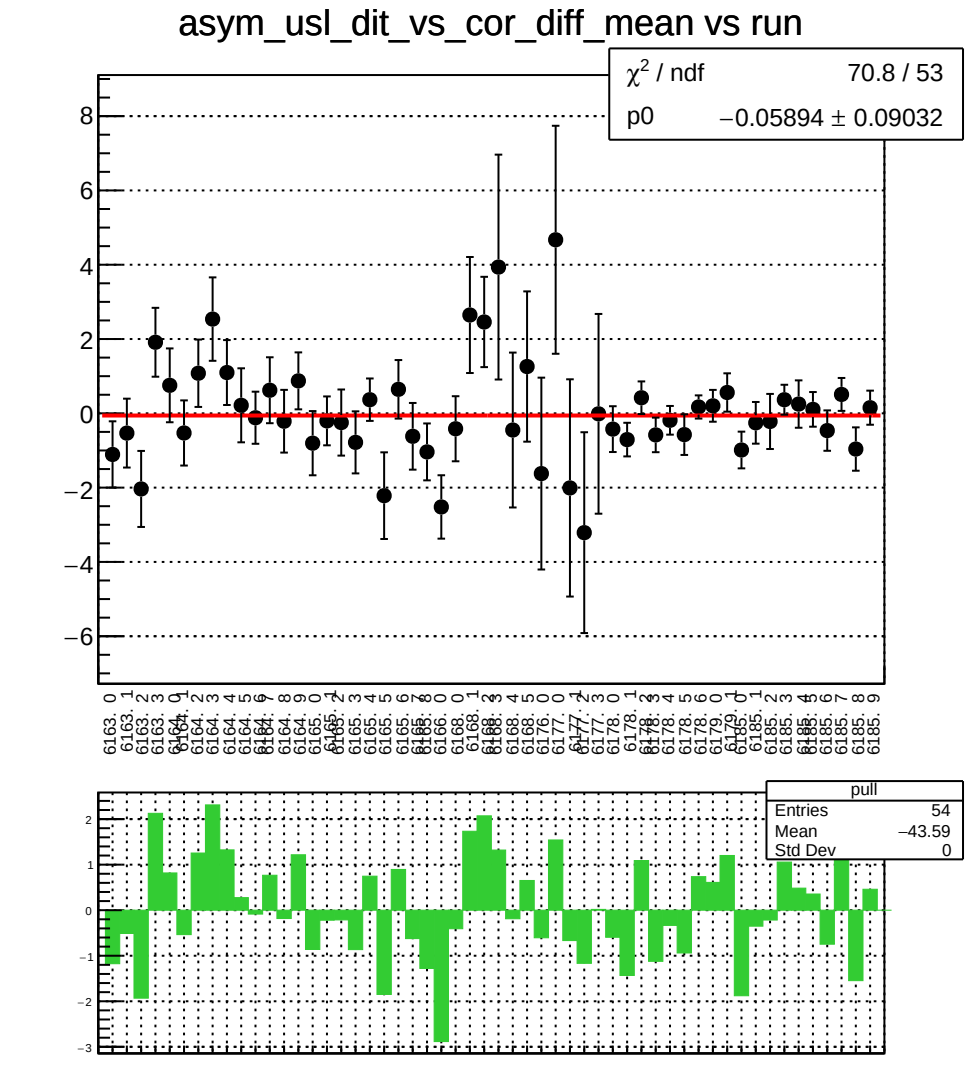
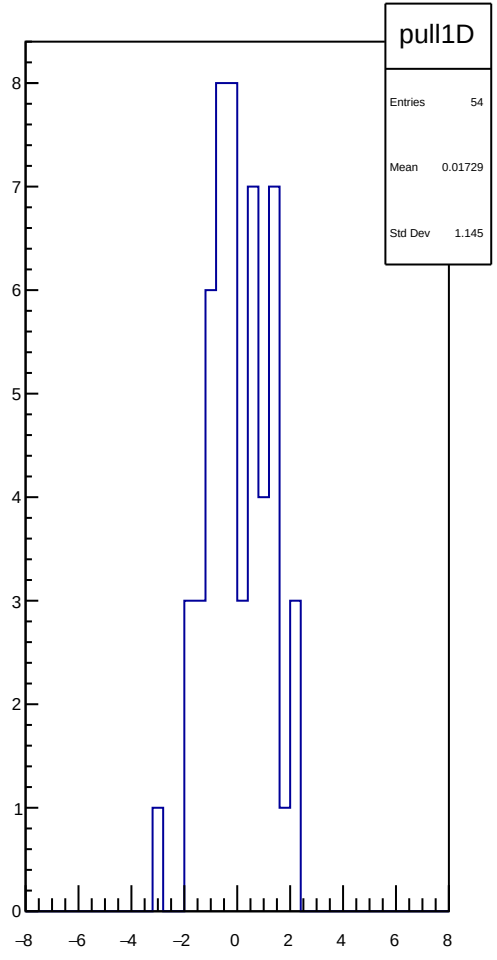
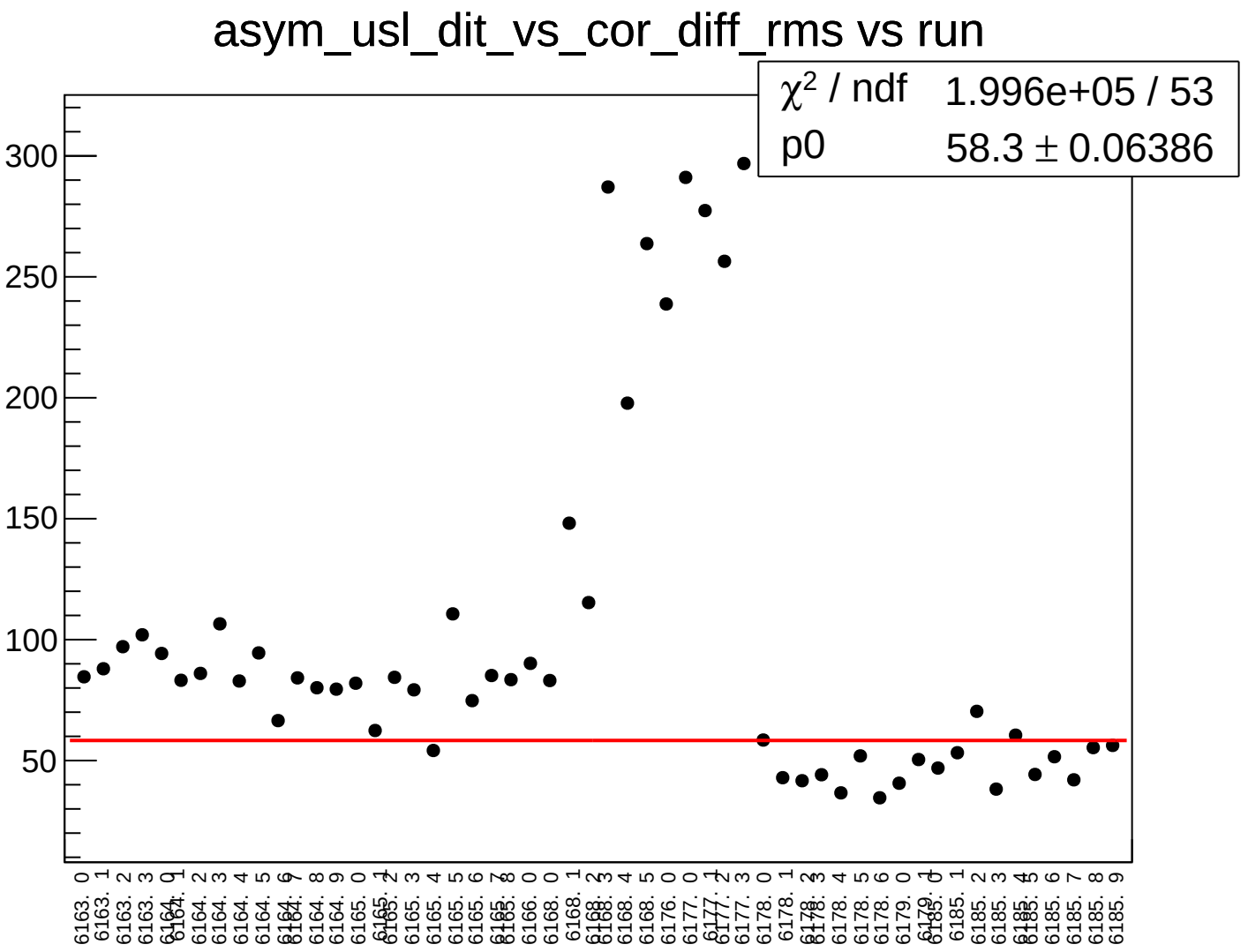
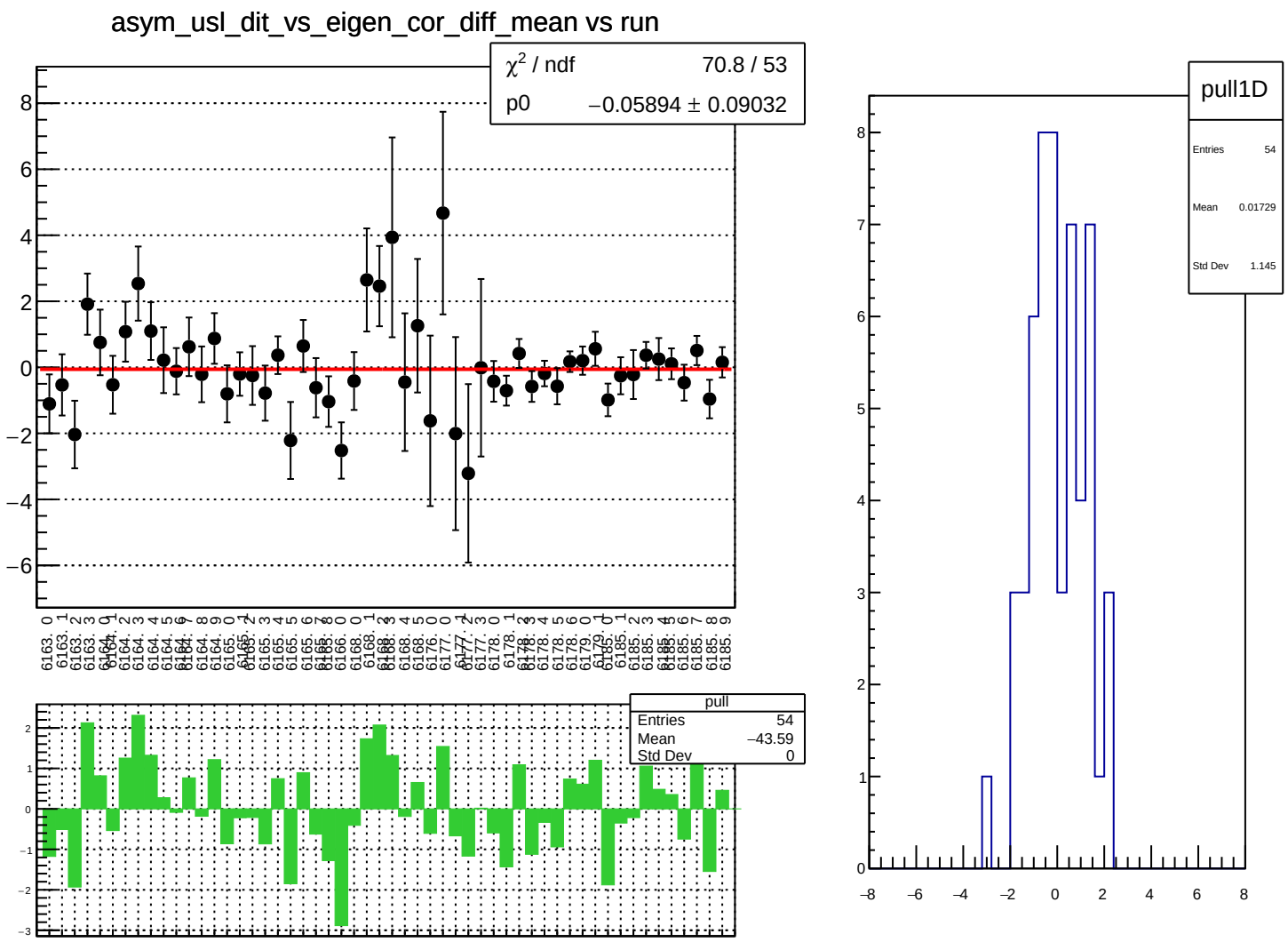
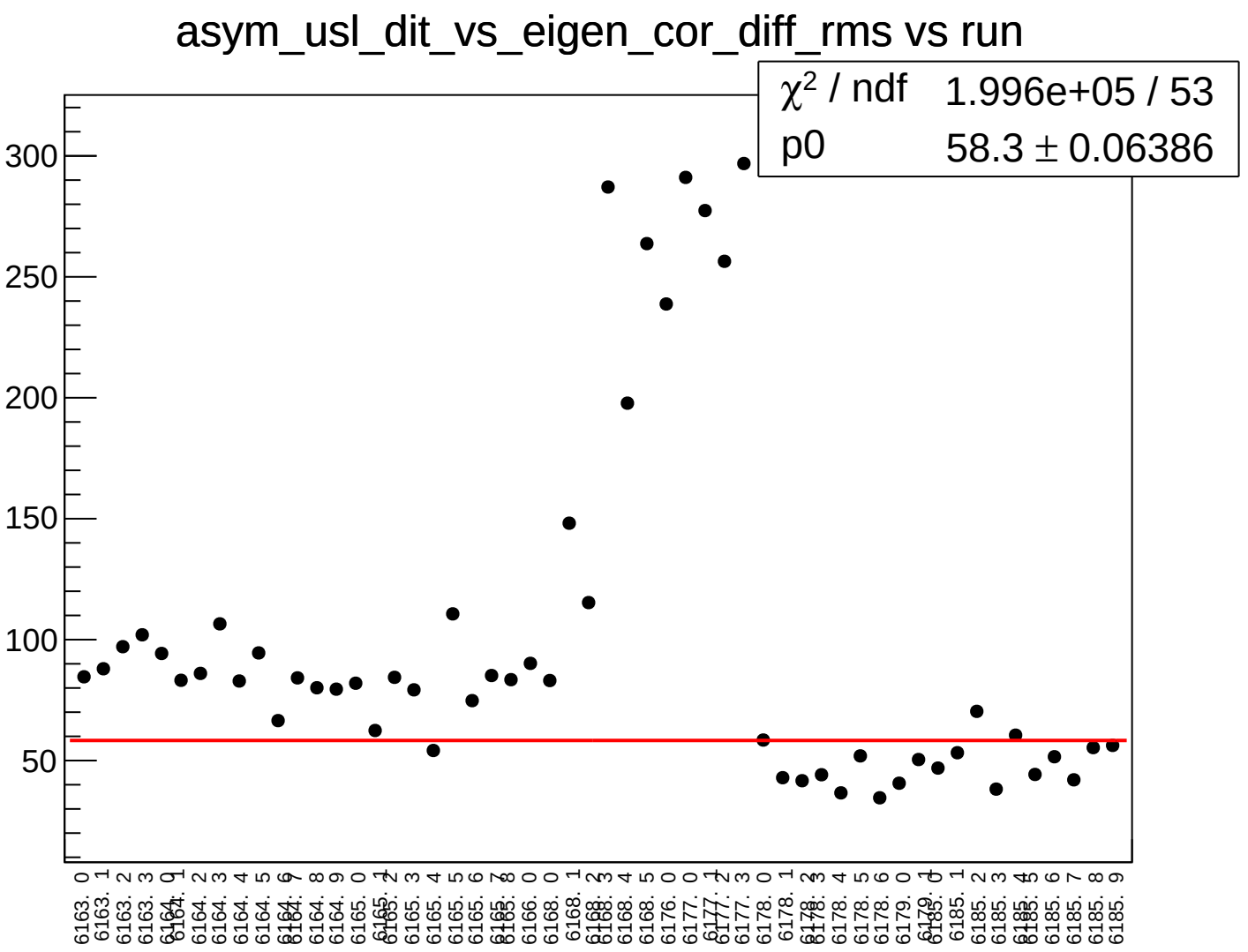
6185. 9

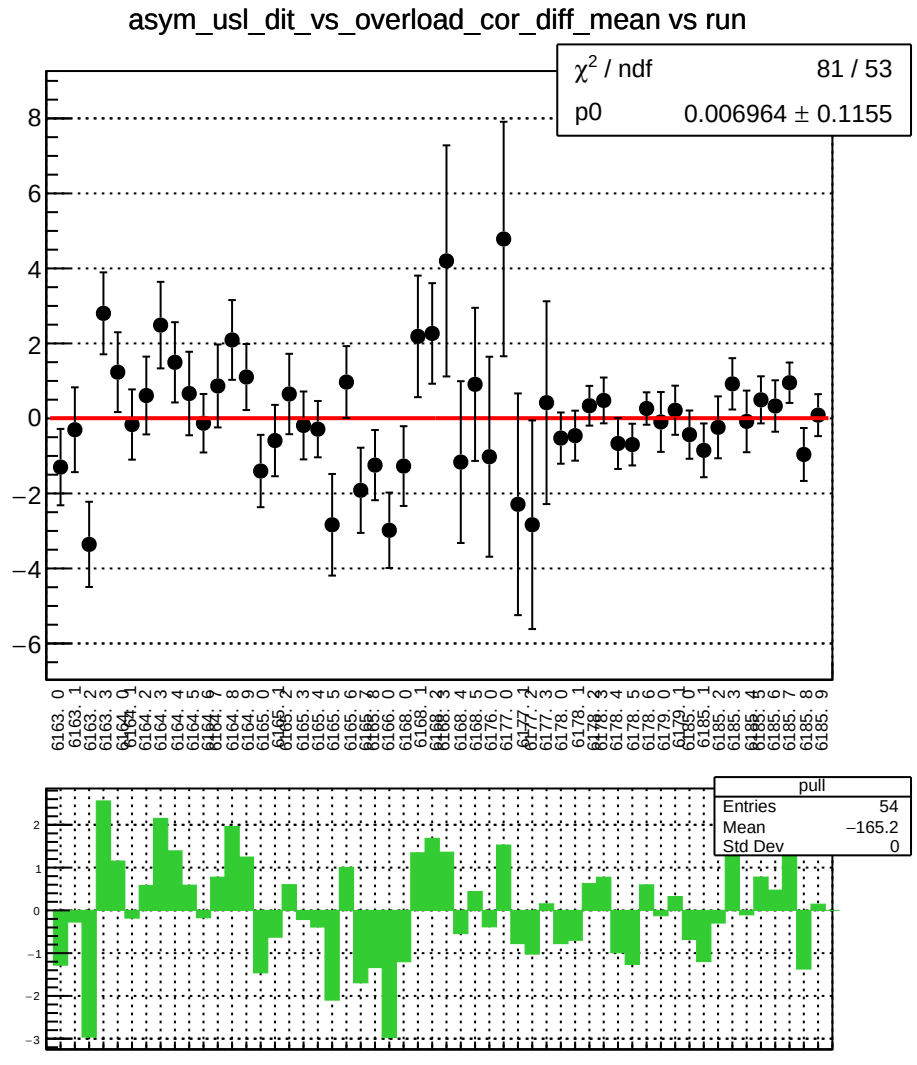

asym_usl_dit_vs_cor_diff_mean vs run
χ² / ndf 70.8 / 53
p0 −0.05894 ± 0.09032
pull
Entries 54
Mean −43.59
Std Dev 0

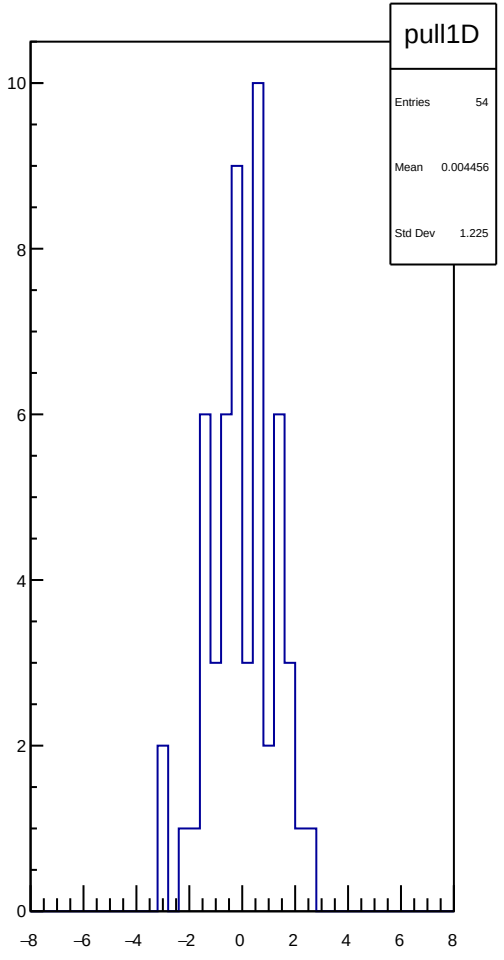

pull1D
Entries 54
Mean 0.01729
Std Dev 1.145

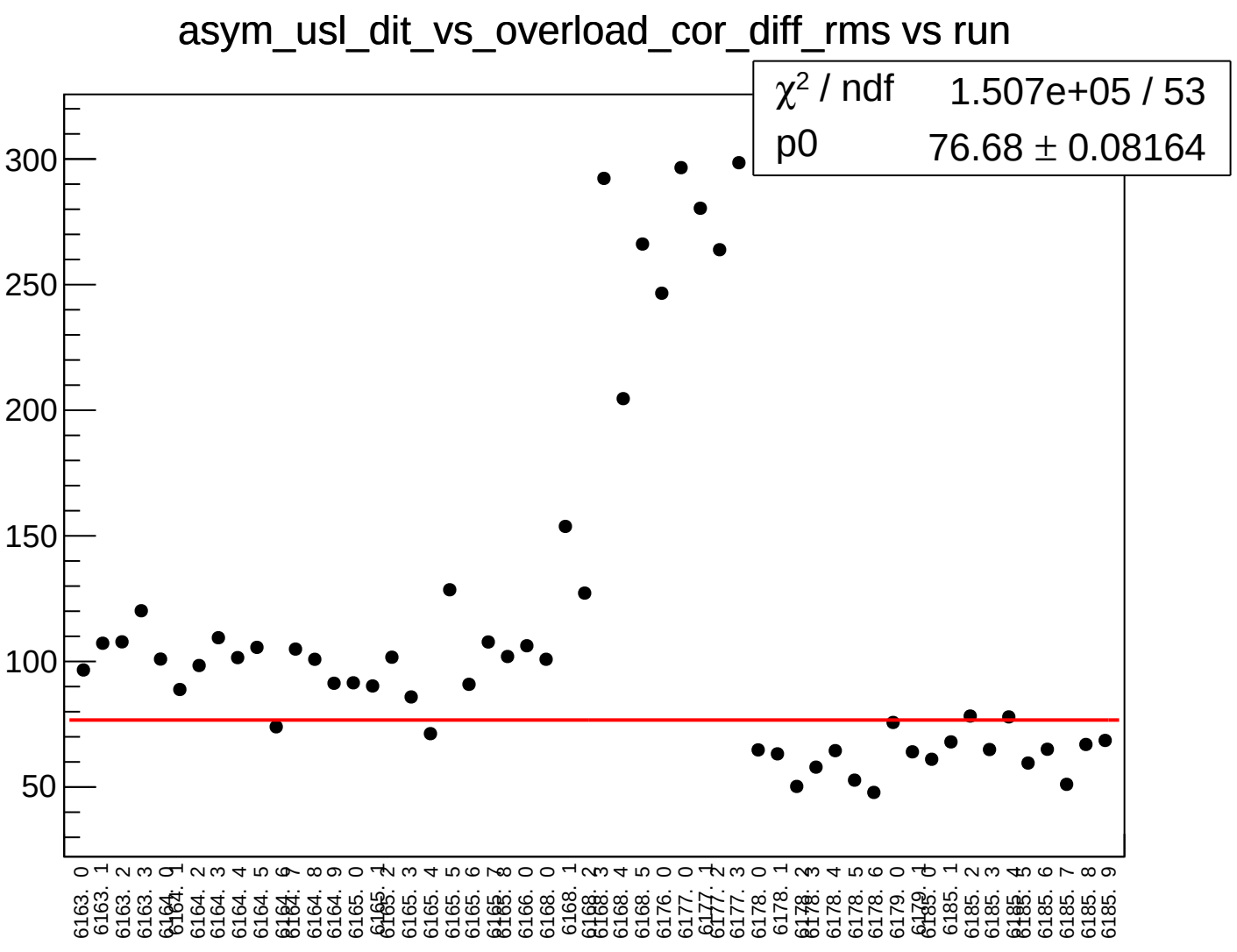

asym_usl_dit_vs_cor_diff_rms vs run
χ² / ndf 1.996e+05 / 53
p0 58.3 ± 0.06386
300
250
200
150
100
50
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

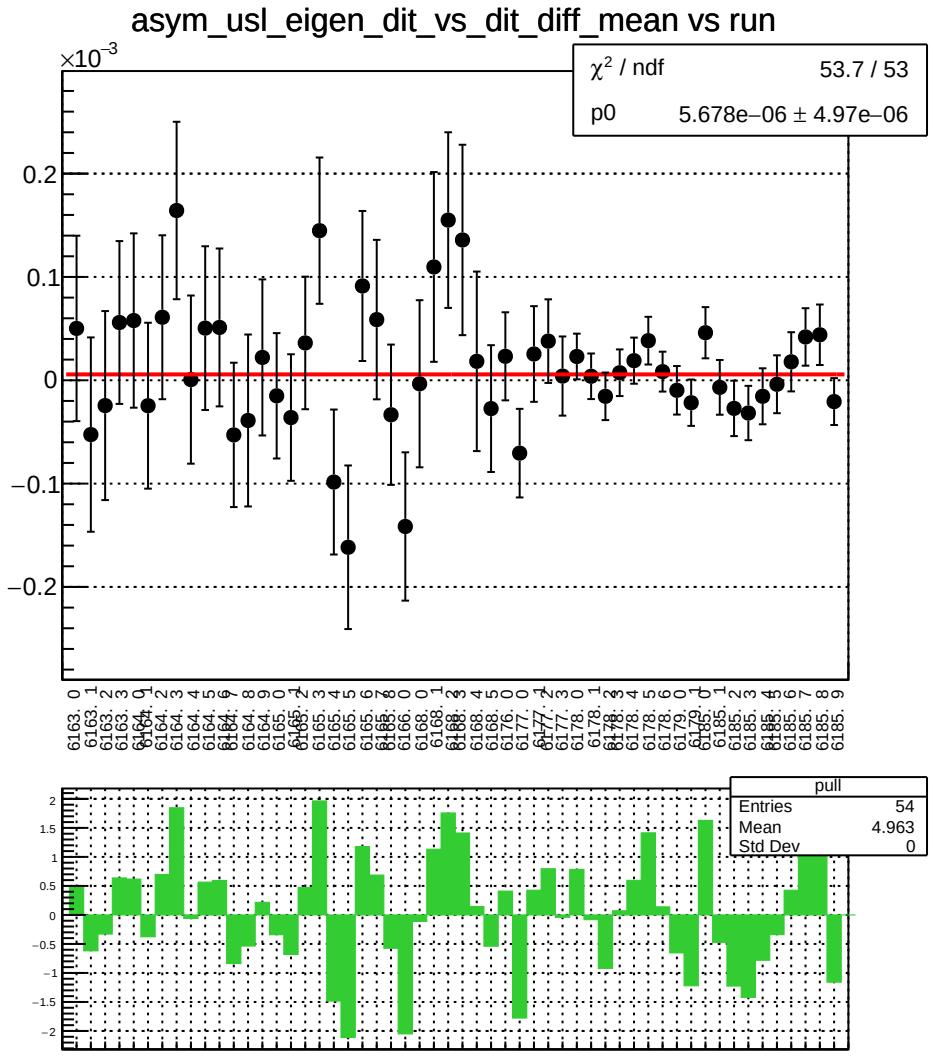

asym_usl_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 70.8 / 53
p0 −0.05894 ± 0.09032
pull
Entries 54
Mean −43.59
Std Dev 0
pull1D
Entries 54
Mean 0.01729
Std Dev 1.145

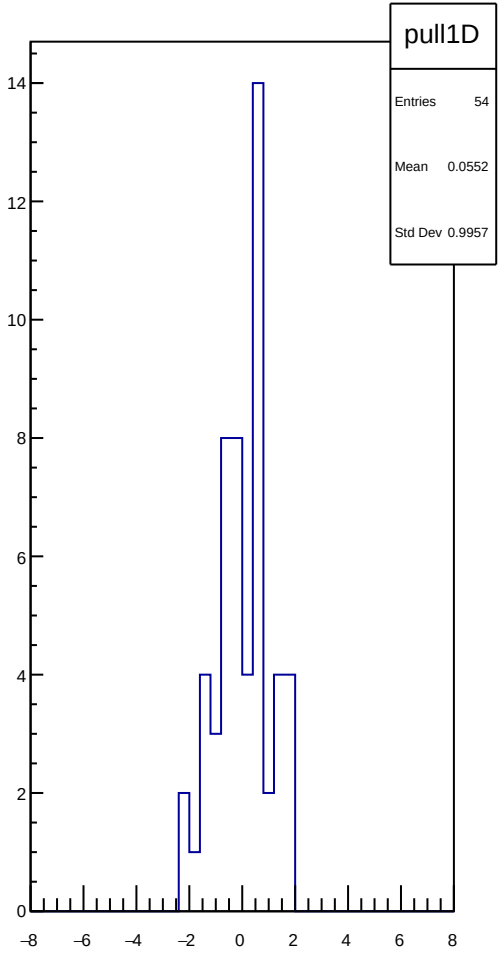

asym_usl_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.996e+05 / 53
p0 58.3 ± 0.06386
300
250
200
150
100
50
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

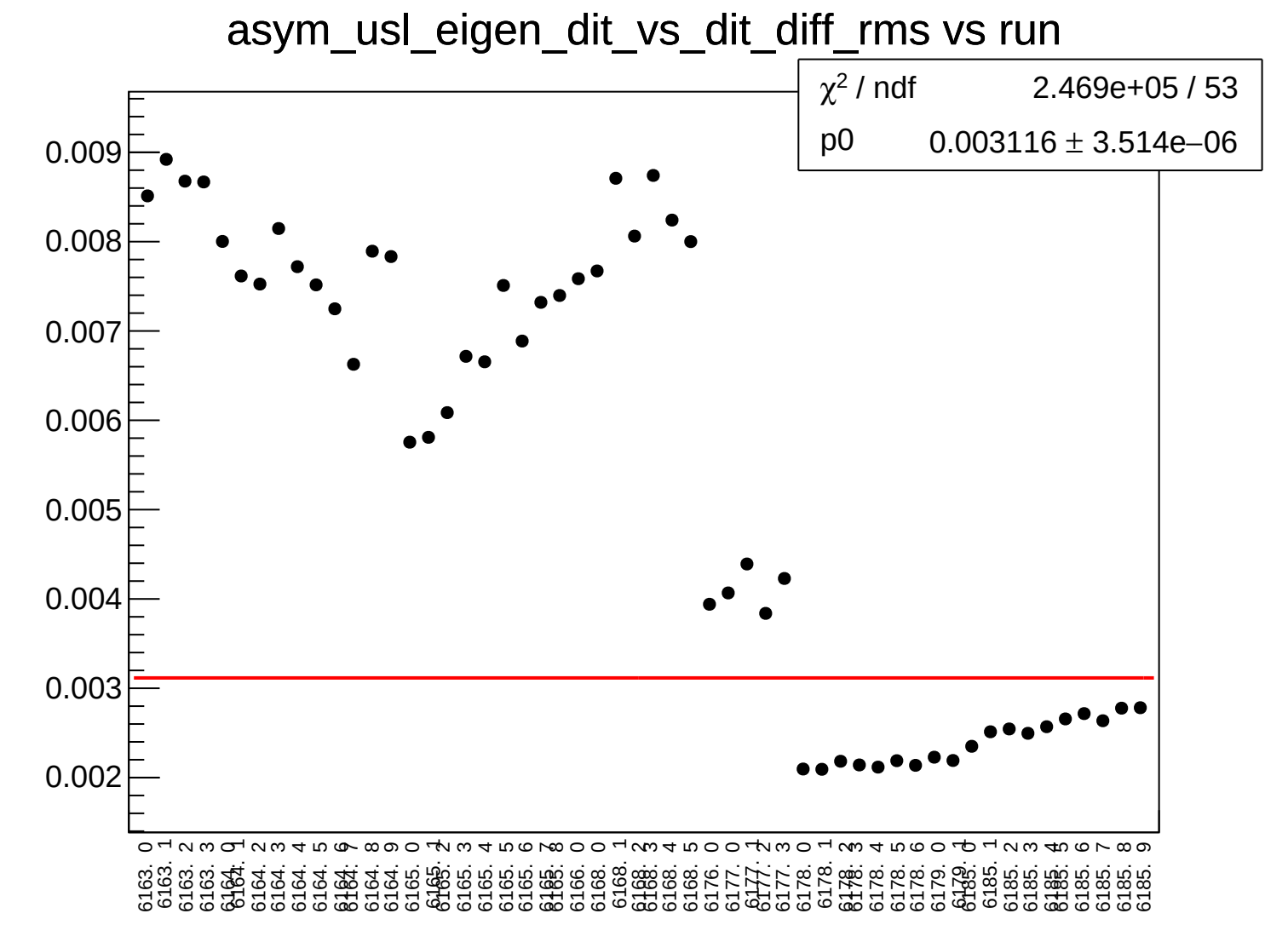

asym_usl_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 81 / 53
p0 0.006964 ± 0.1155
pull
Entries 54
Mean −165.2
Std Dev 0

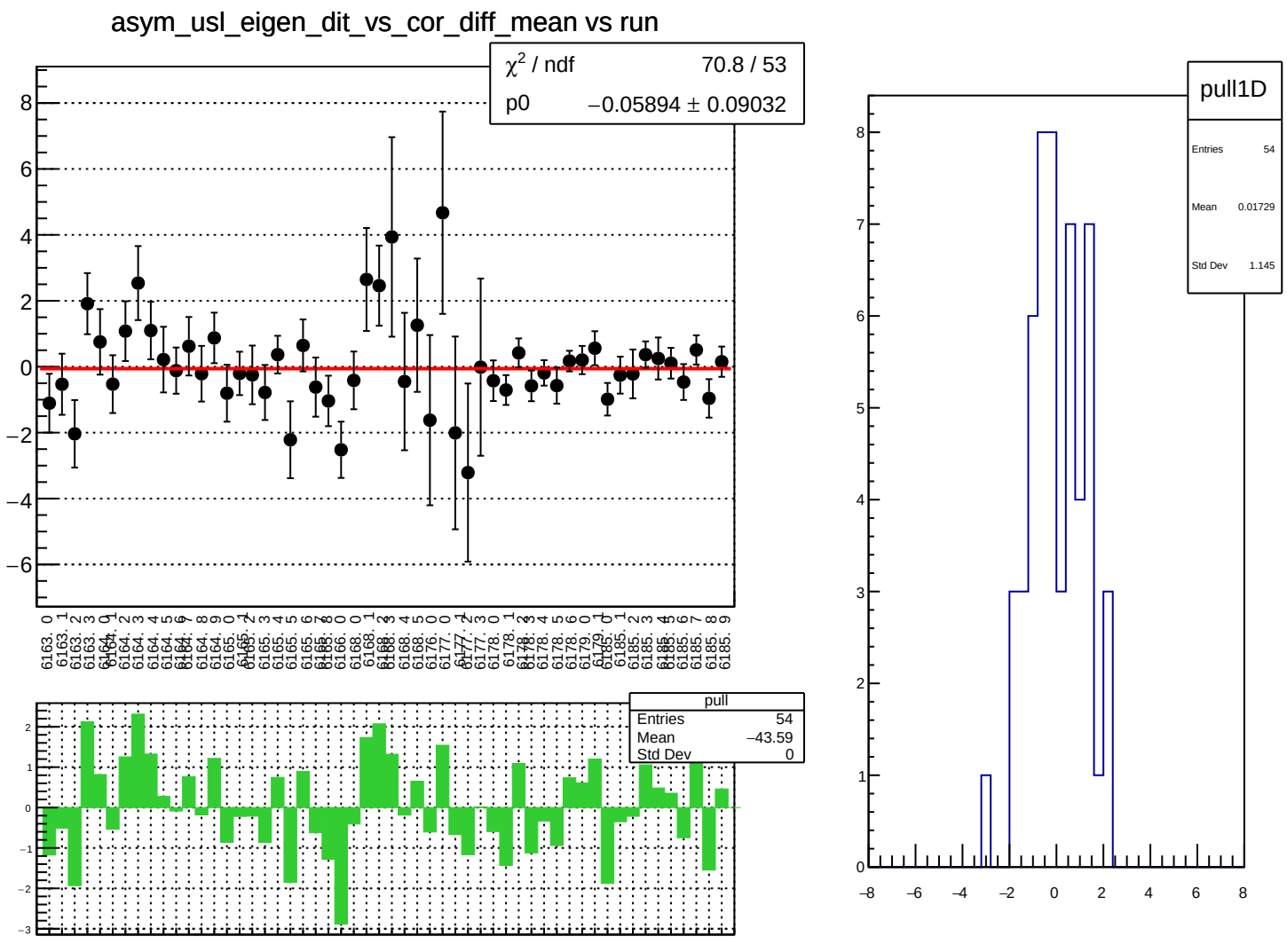

pull1D
Entries 54
Mean 0.004456
Std Dev 1.225

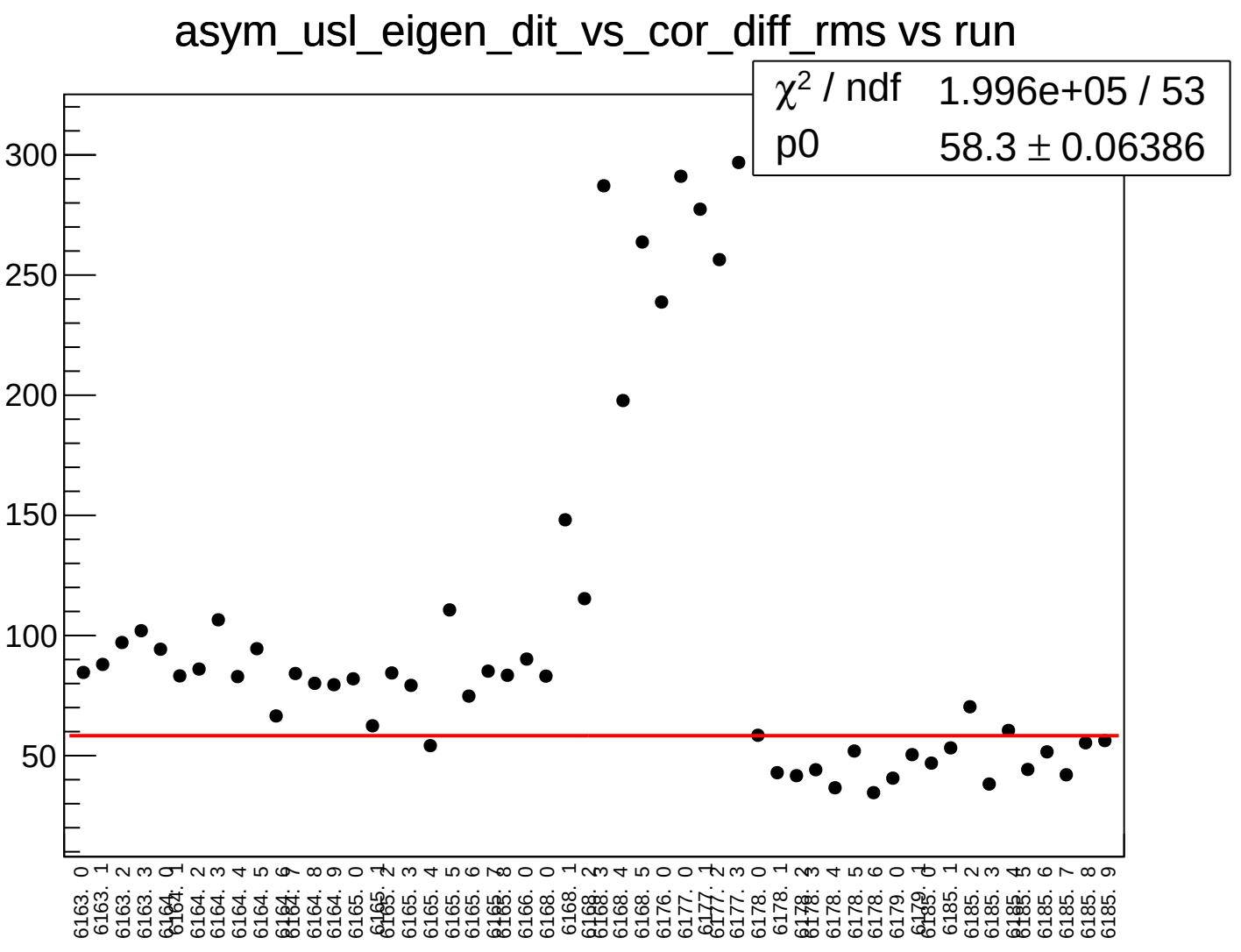

asym_usl_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 1.507e+05 / 53
p0 76.68 ± 0.08164
300
250
200
150
100
50
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

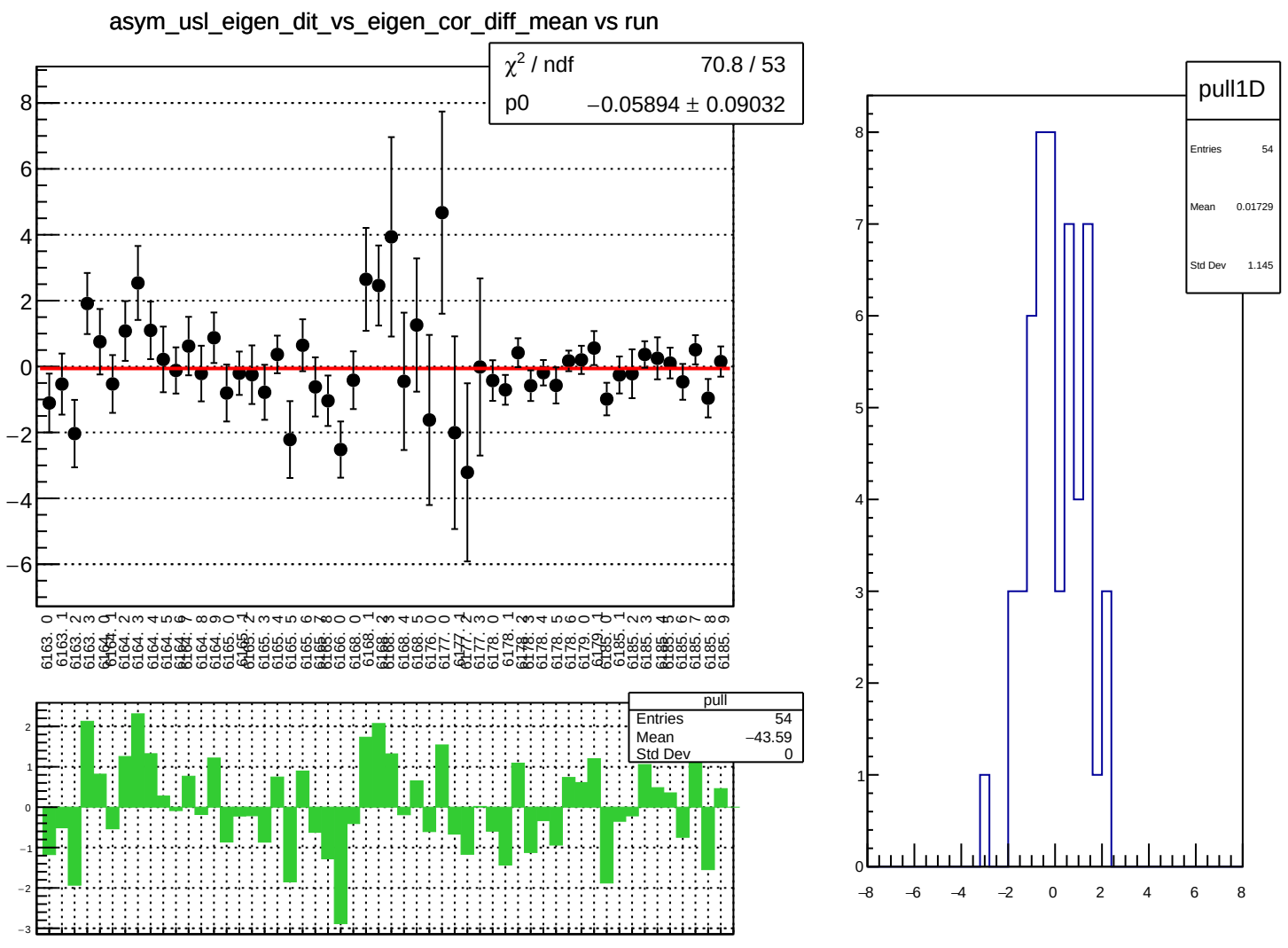

asym_usl_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 53.7 / 53
p0 5.678e−06 ± 4.97e−06
0.2
0.1
0
−0.1
−0.2
pull
Entries 54
Mean 4.963
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

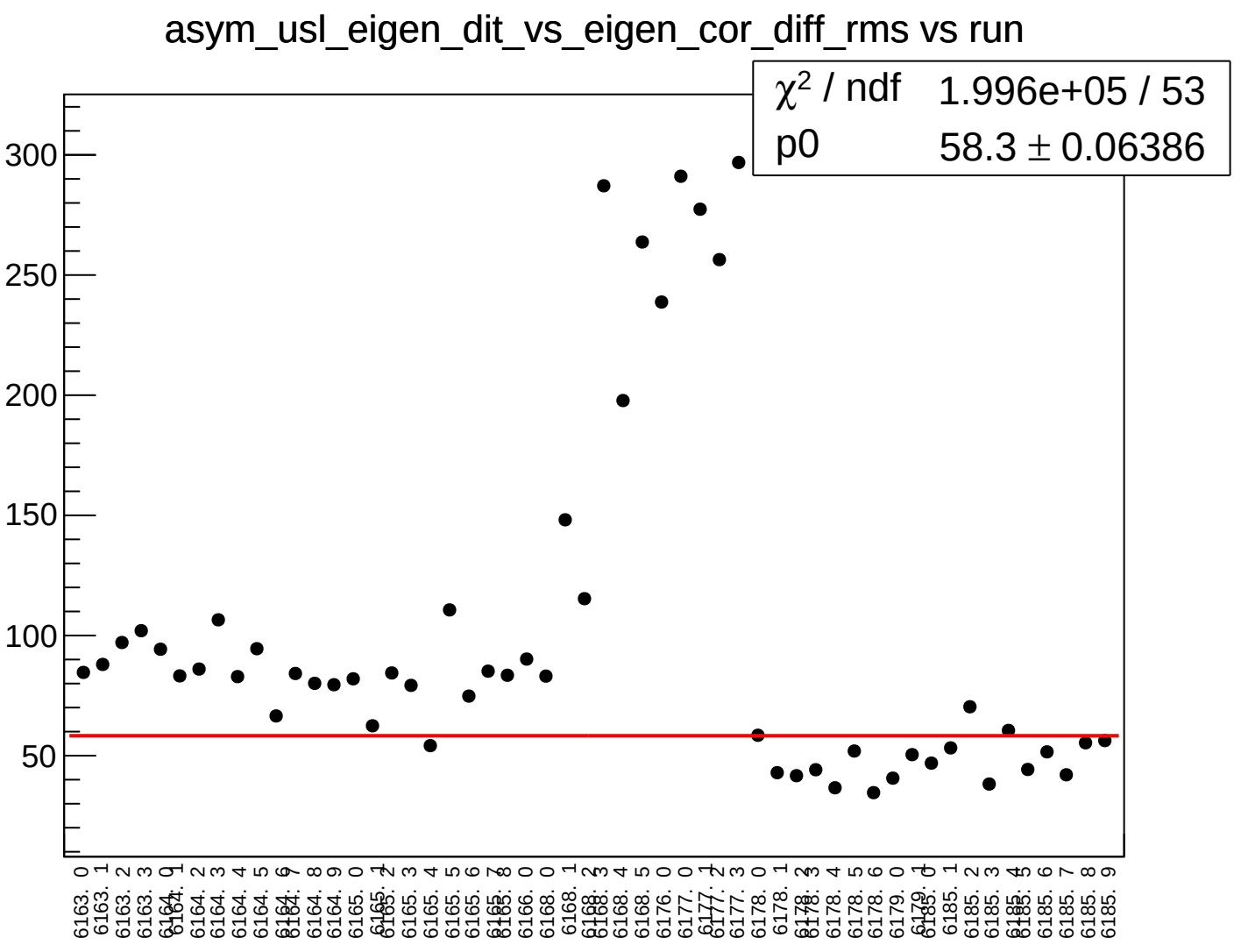

pull1D
Entries 54
Mean 0.0552
Std Dev 0.9957
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

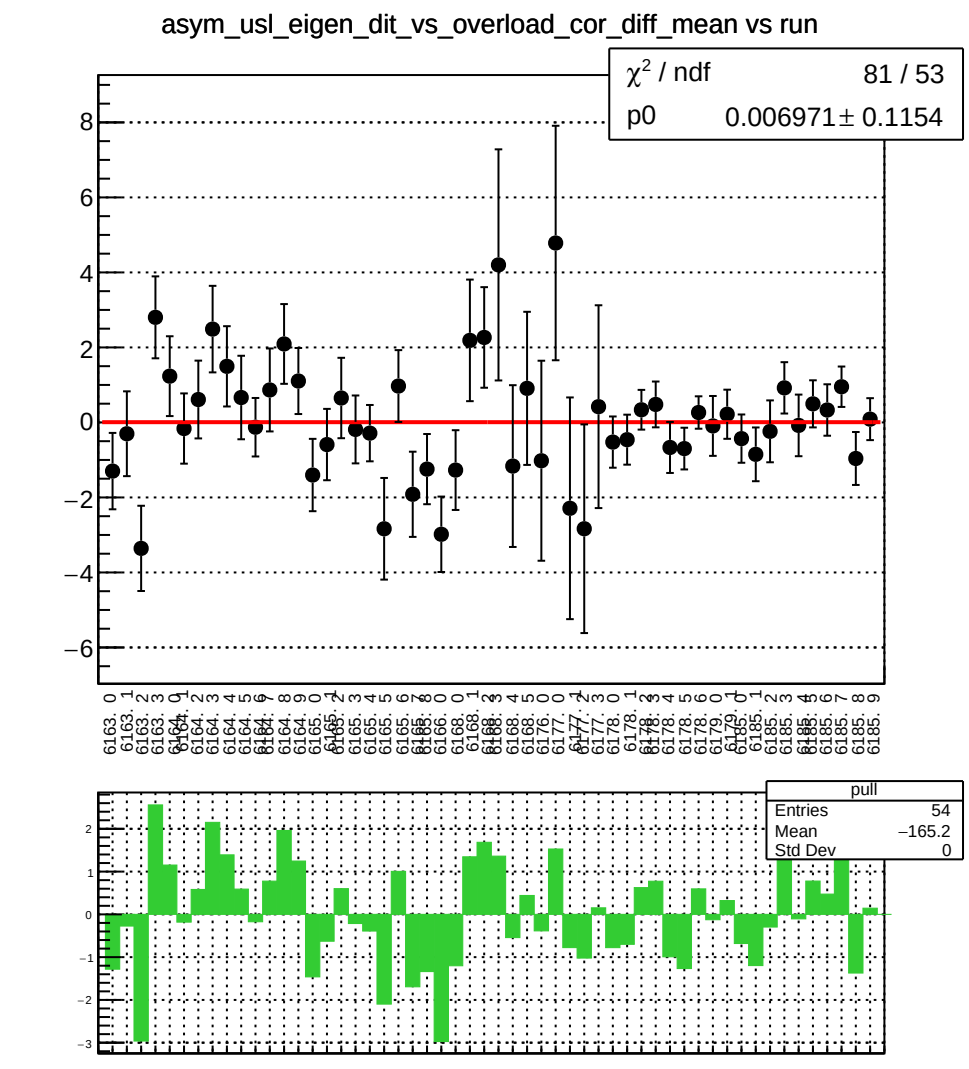

asym_usl_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.469e+05 / 53
p0 0.003116 ± 3.514e−06
0.009
0.008
0.007
0.006
0.005
0.004
0.003
0.002
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

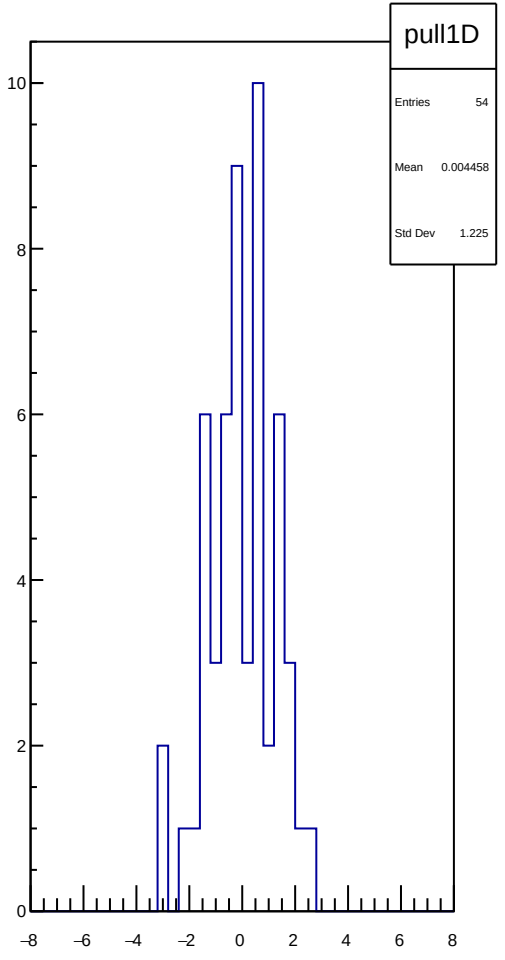

asym_usl_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 70.8 / 53
p0 −0.05894 ± 0.09032
pull
Entries 54
Mean −43.59
Std Dev 0
pull1D
Entries 54
Mean 0.01729
Std Dev 1.145

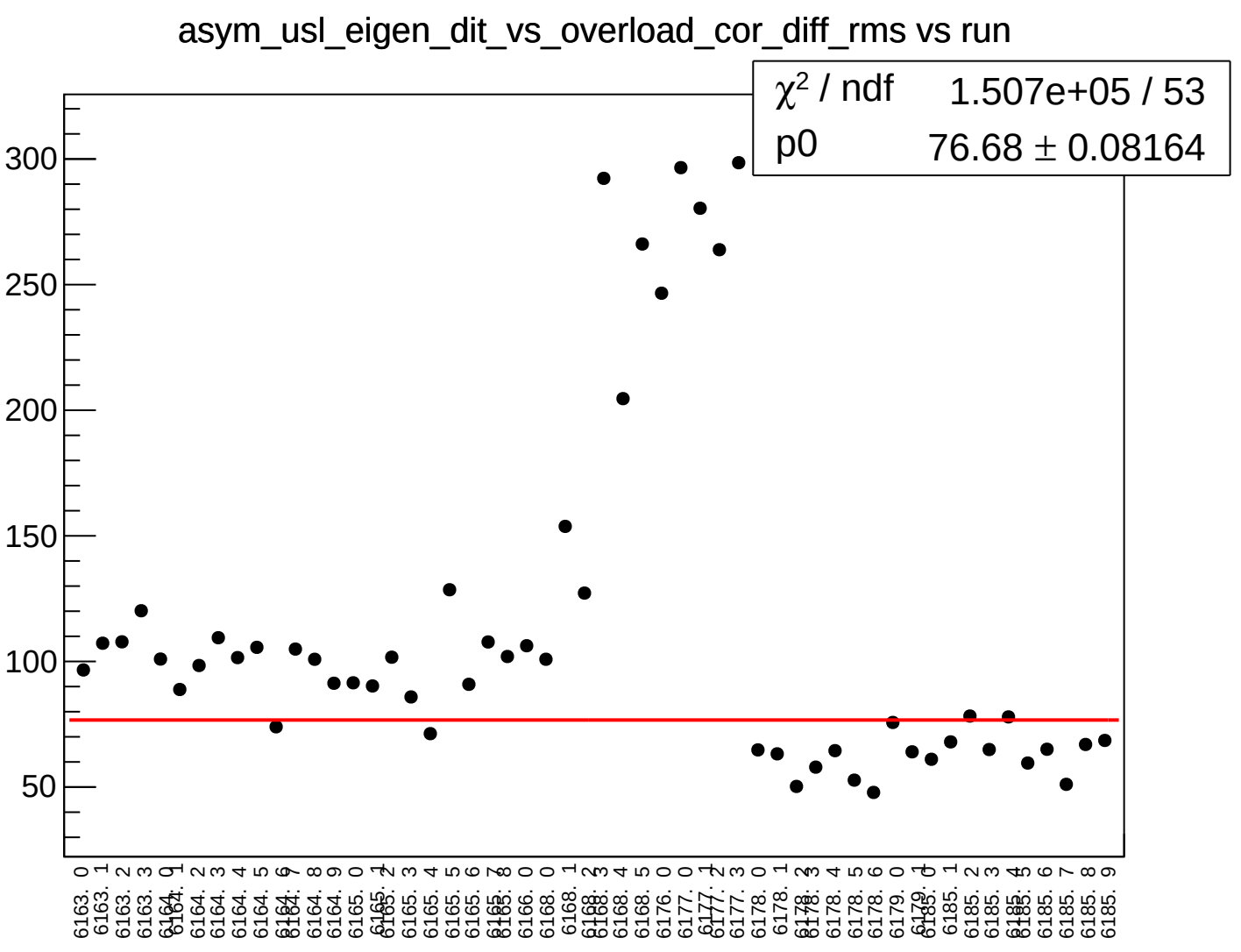

asym_usl_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.996e+05 / 53
p0 58.3 ± 0.06386
300
250
200
150
100
50
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

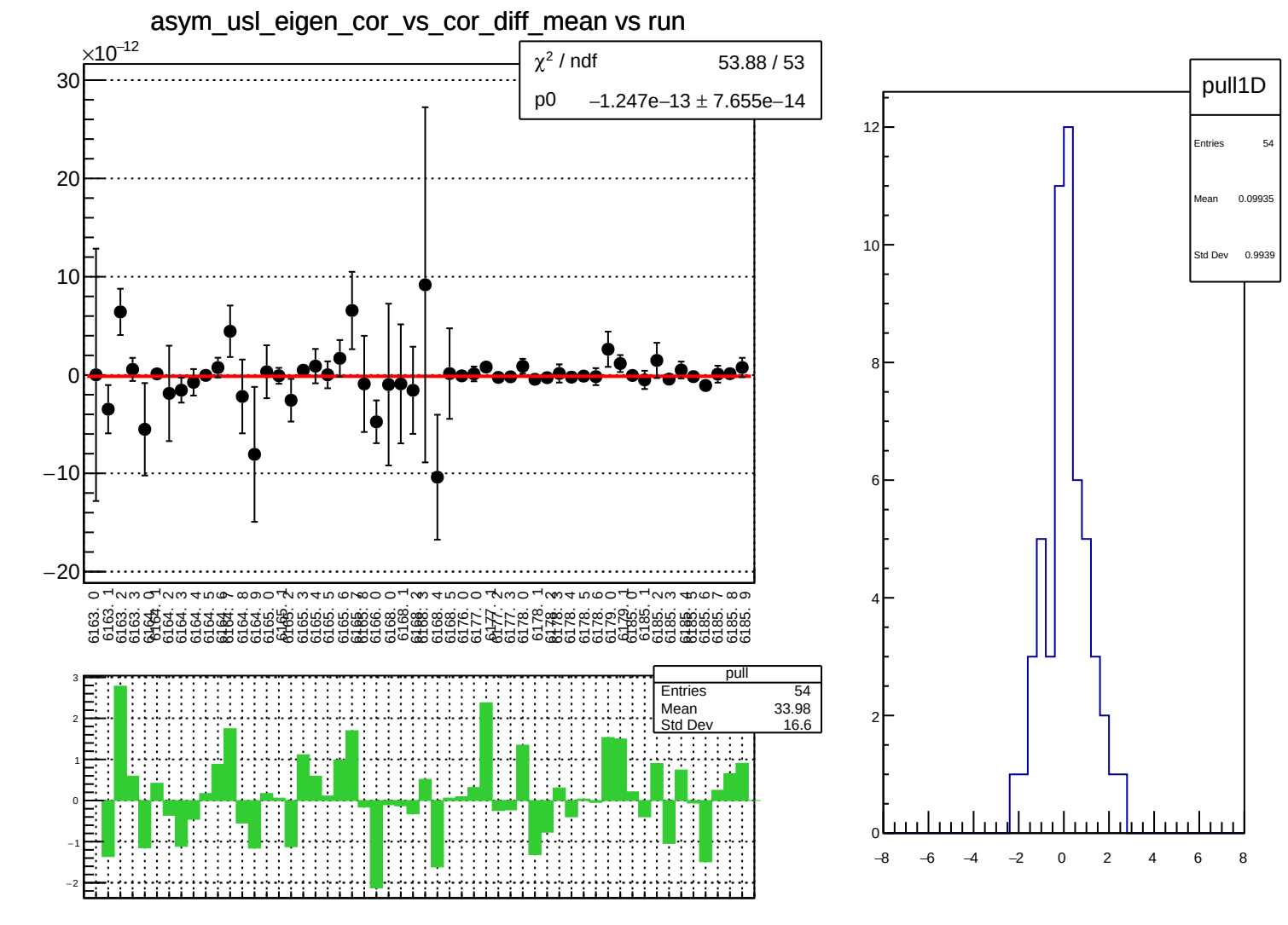

asym_usl_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 70.8 / 53
p0 −0.05894 ± 0.09032
pull
Entries 54
Mean −43.59
Std Dev 0
pull1D
Entries 54
Mean 0.01729
Std Dev 1.145

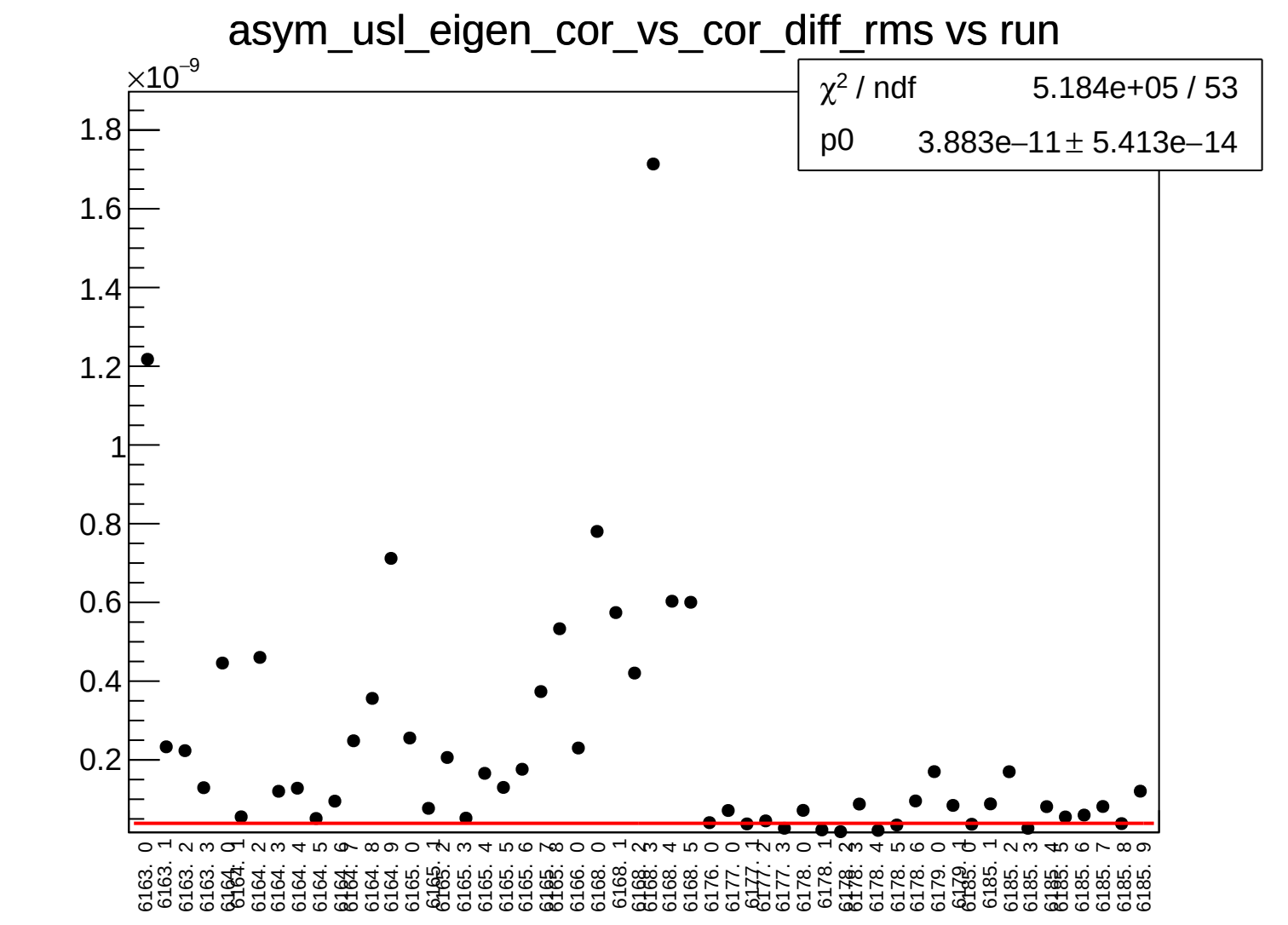

asym_usl_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.996e+05 / 53
p0 58.3 ± 0.06386
300
250
200
150
100
50
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

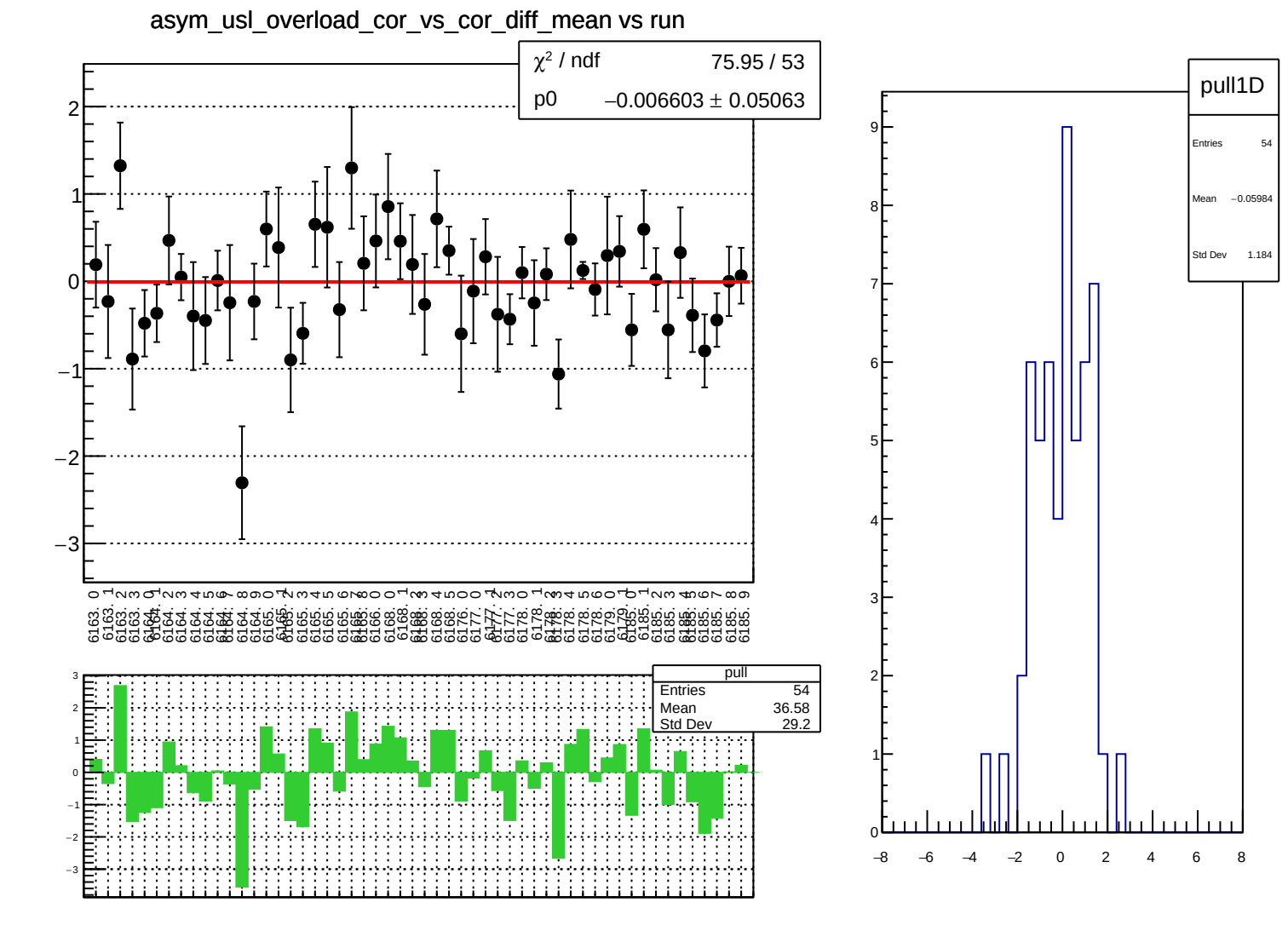

asym_usl_eigen_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 81 / 53
p0 0.006971 ± 0.1154
pull
Entries 54
Mean −165.2
Std Dev 0

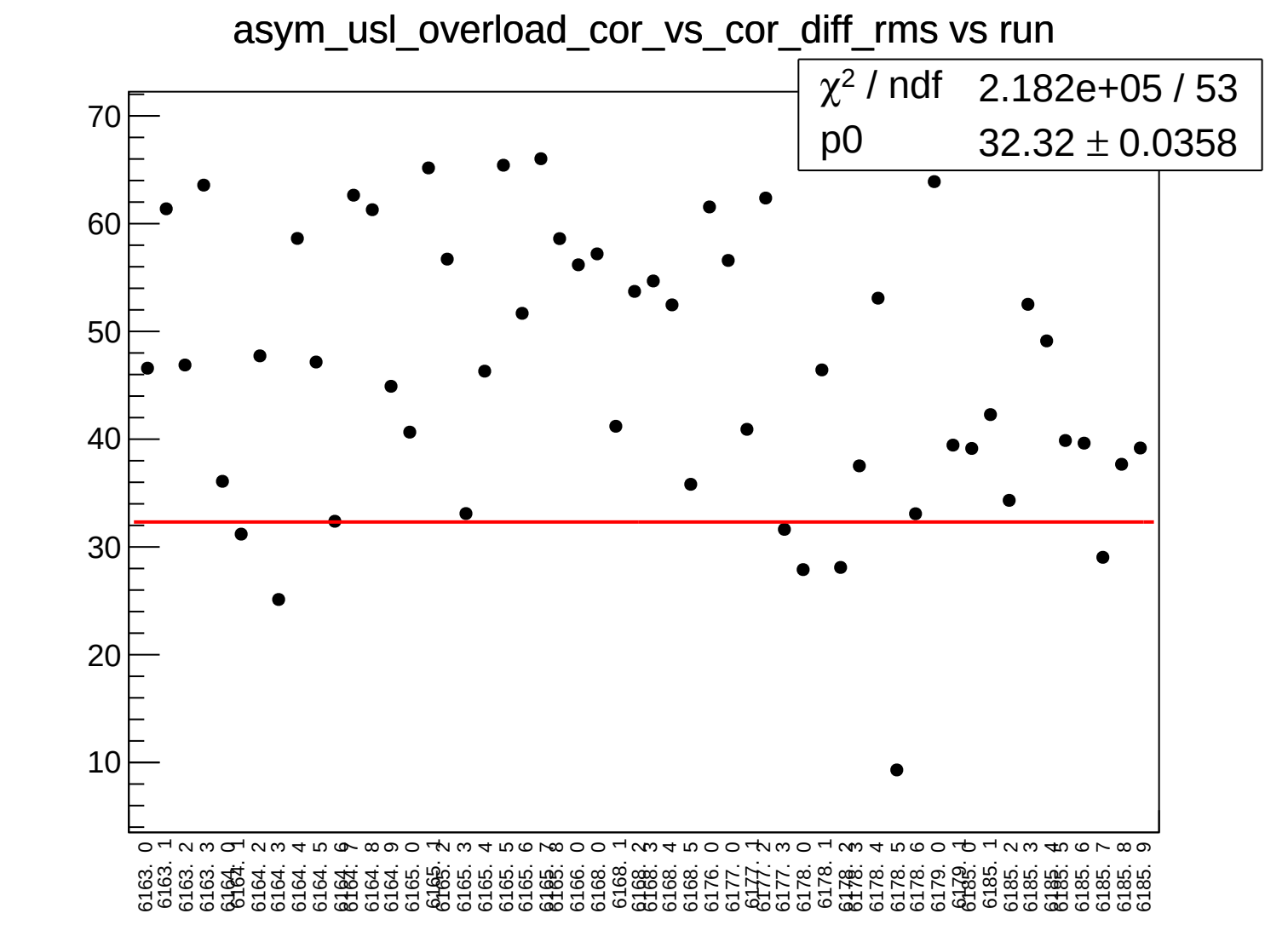

pull1D
Entries 54
Mean 0.004458
Std Dev 1.225

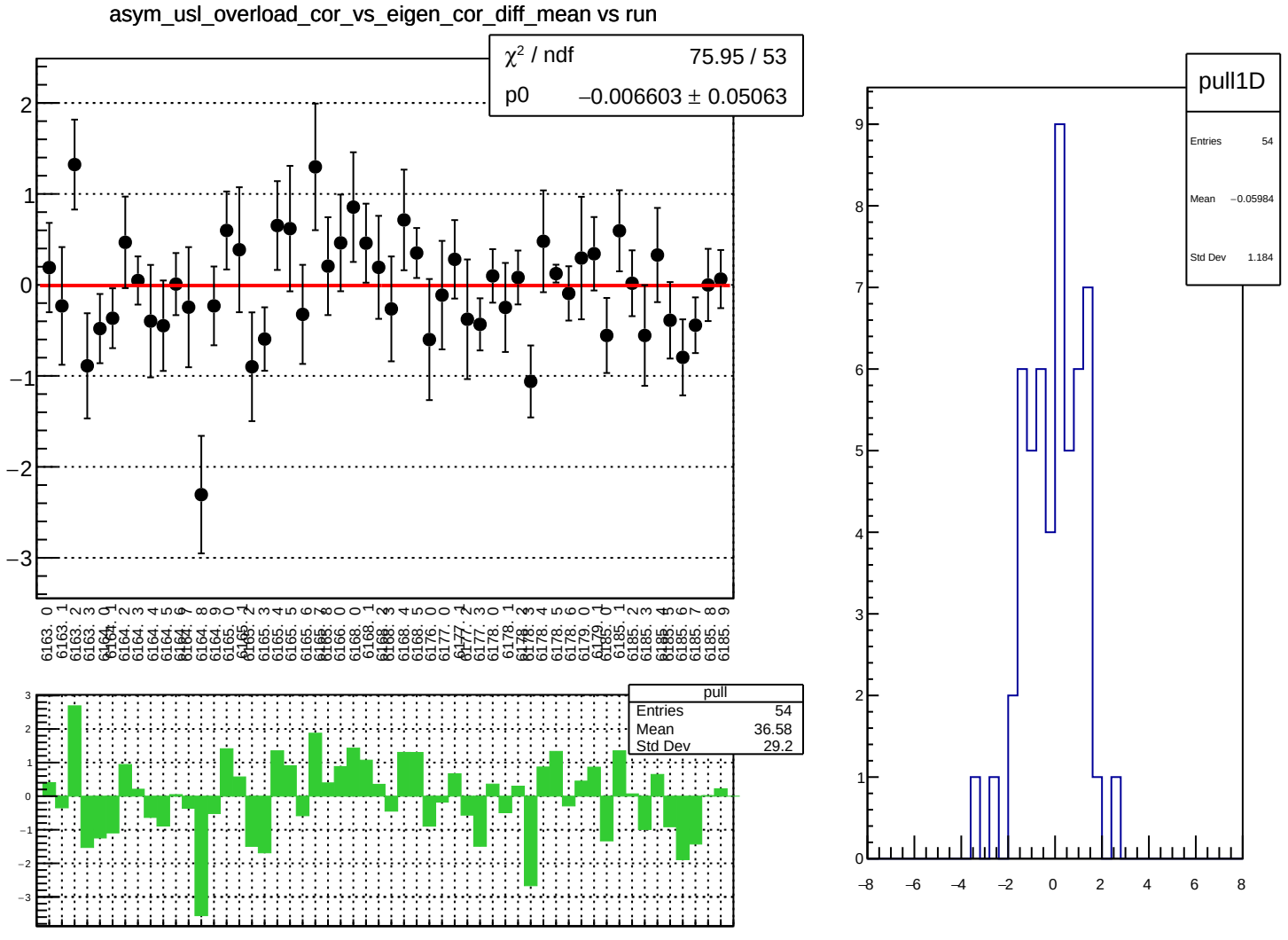

asym_usl_eigen_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 1.507e+05 / 53
p0 76.68 ± 0.08164
300
250
200
150
100
50
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

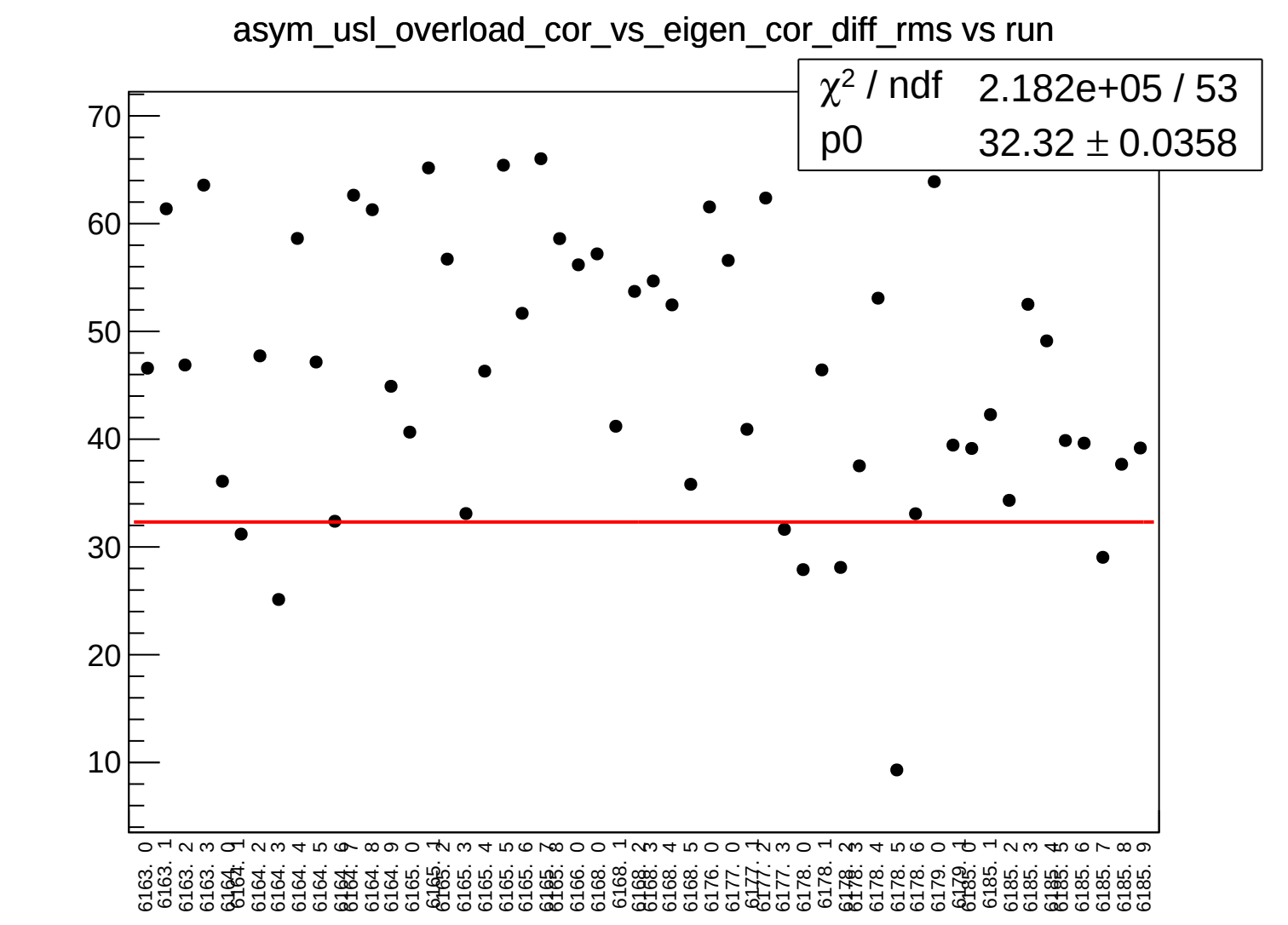

asym_usl_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 53.88 / 53
p0 −1.247e−13 ± 7.655e−14
pull
Entries 54
Mean 33.98
Std Dev 16.6
pull1D
Entries 54
Mean 0.09935
Std Dev 0.9939

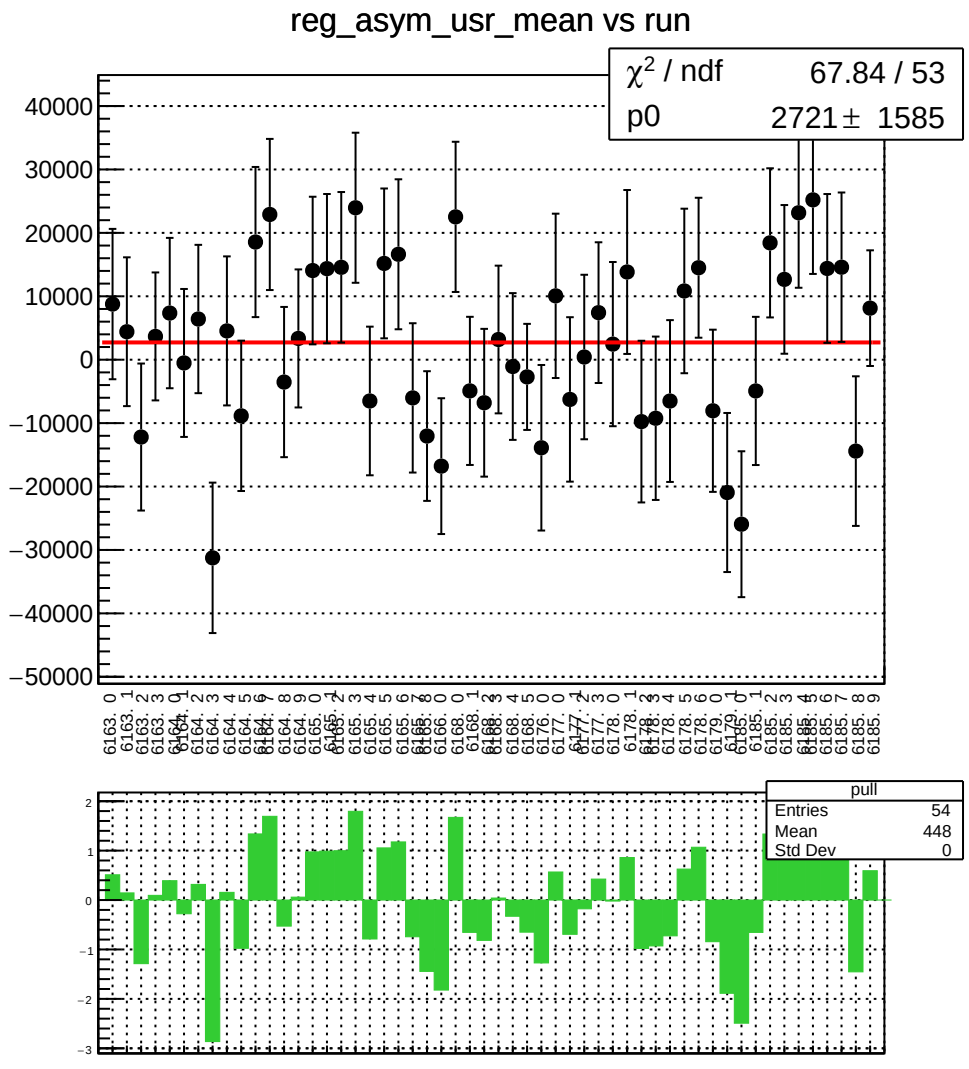

asym_usl_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.184e+05 / 53
p0 3.883e−11 ± 5.413e−14
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

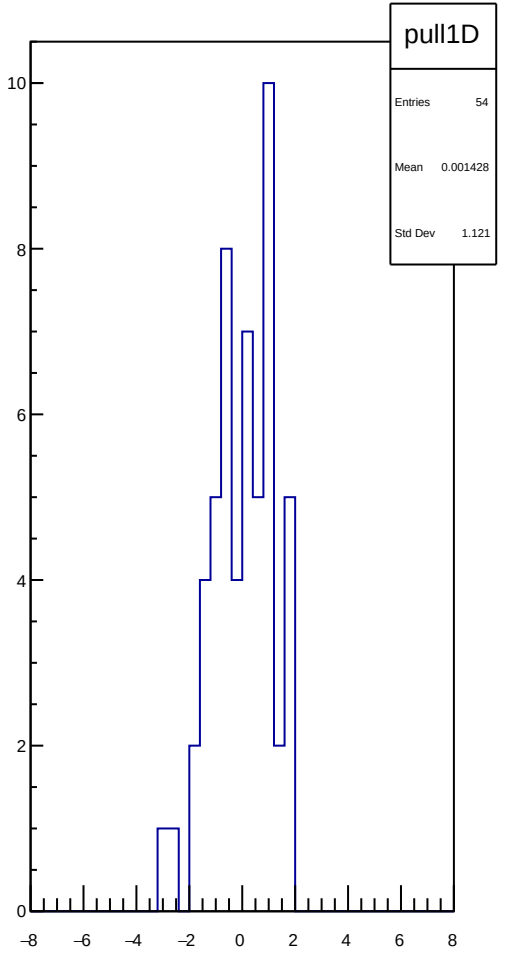

asym_usl_overload_cor_vs_cor_diff_mean vs run
χ² / ndf 75.95 / 53
p0 −0.006603 ± 0.05063
pull
Entries 54
Mean 36.58
Std Dev 29.2
pull1D
Entries 54
Mean −0.05984
Std Dev 1.184

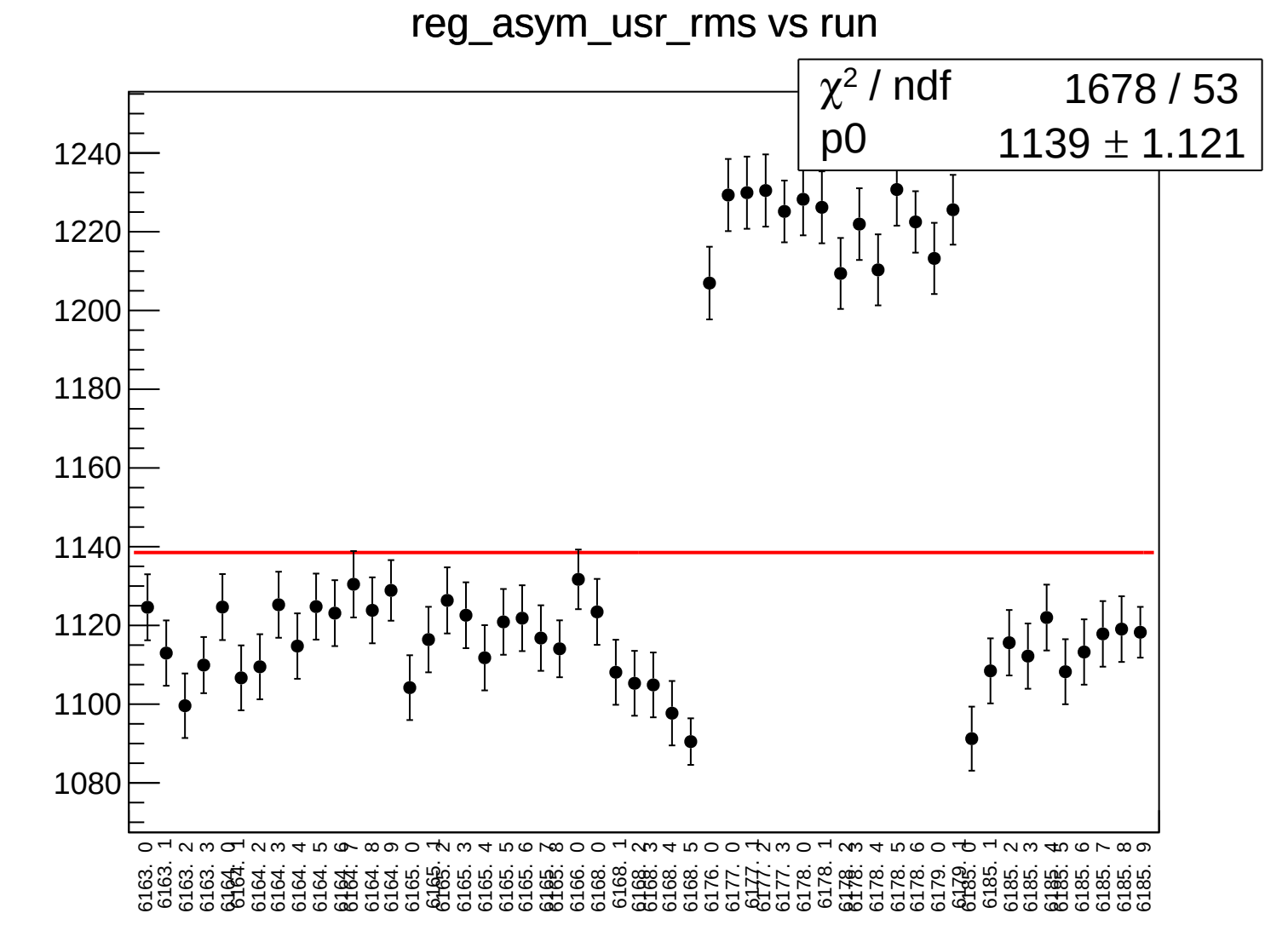

asym_usl_overload_cor_vs_cor_diff_rms vs run
χ² / ndf 2.182e+05 / 53
p0 32.32 ± 0.0358
70
60
50
40
30
20
10
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


asym_usl_overload_cor_vs_eigen_cor_diff_mean vs run
χ² / ndf 75.95 / 53
p0 −0.006603 ± 0.05063
pull
Entries 54
Mean 36.58
Std Dev 29.2
pull1D
Entries 54
Mean −0.05984
Std Dev 1.184


asym_usl_overload_cor_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.182e+05 / 53
p0 32.32 ± 0.0358
70
60
50
40
30
20
10
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


reg_asym_usr_mean vs run
χ² / ndf 67.84 / 53
p0 2721 ± 1585
pull
Entries 54
Mean 448
Std Dev 0


pull1D
Entries 54
Mean 0.001428
Std Dev 1.121


reg_asym_usr_rms vs run
χ² / ndf 1678 / 53
p0 1139 ± 1.121
1240
1220
1200
1180
1160
1140
1120
1100
1080
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
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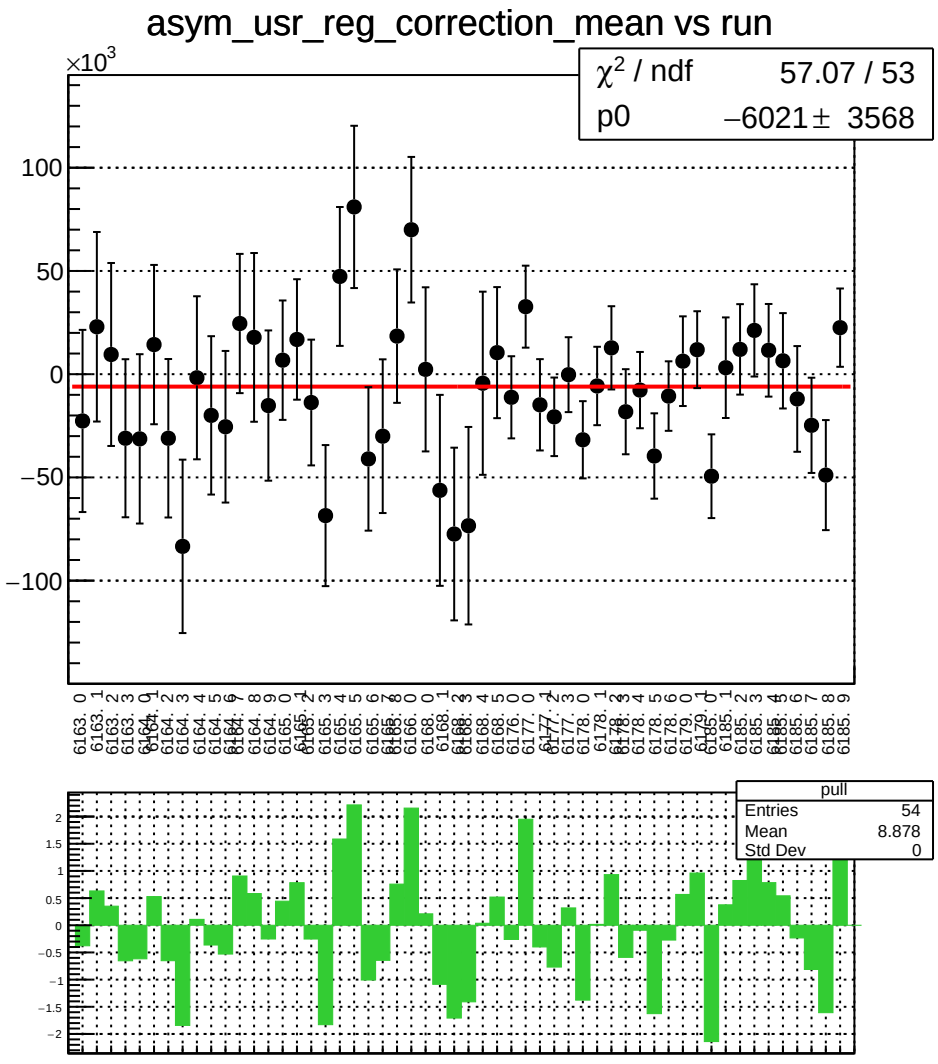
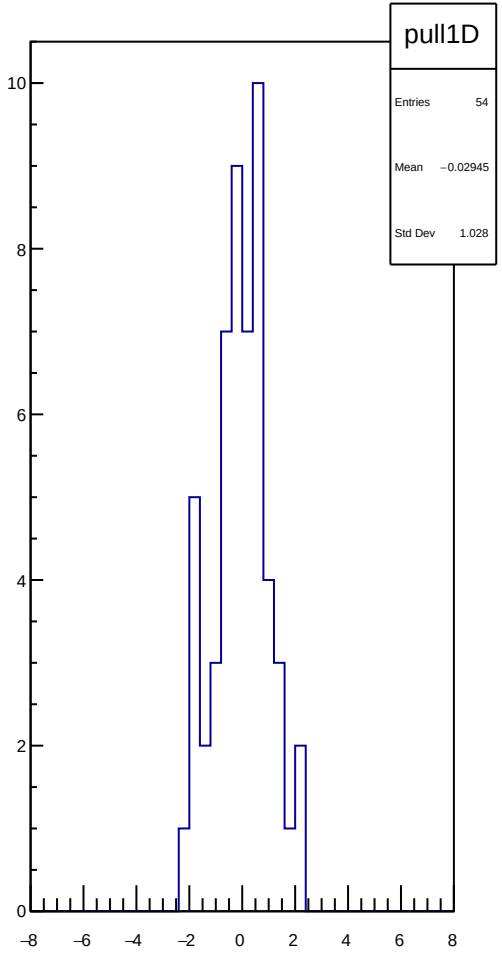
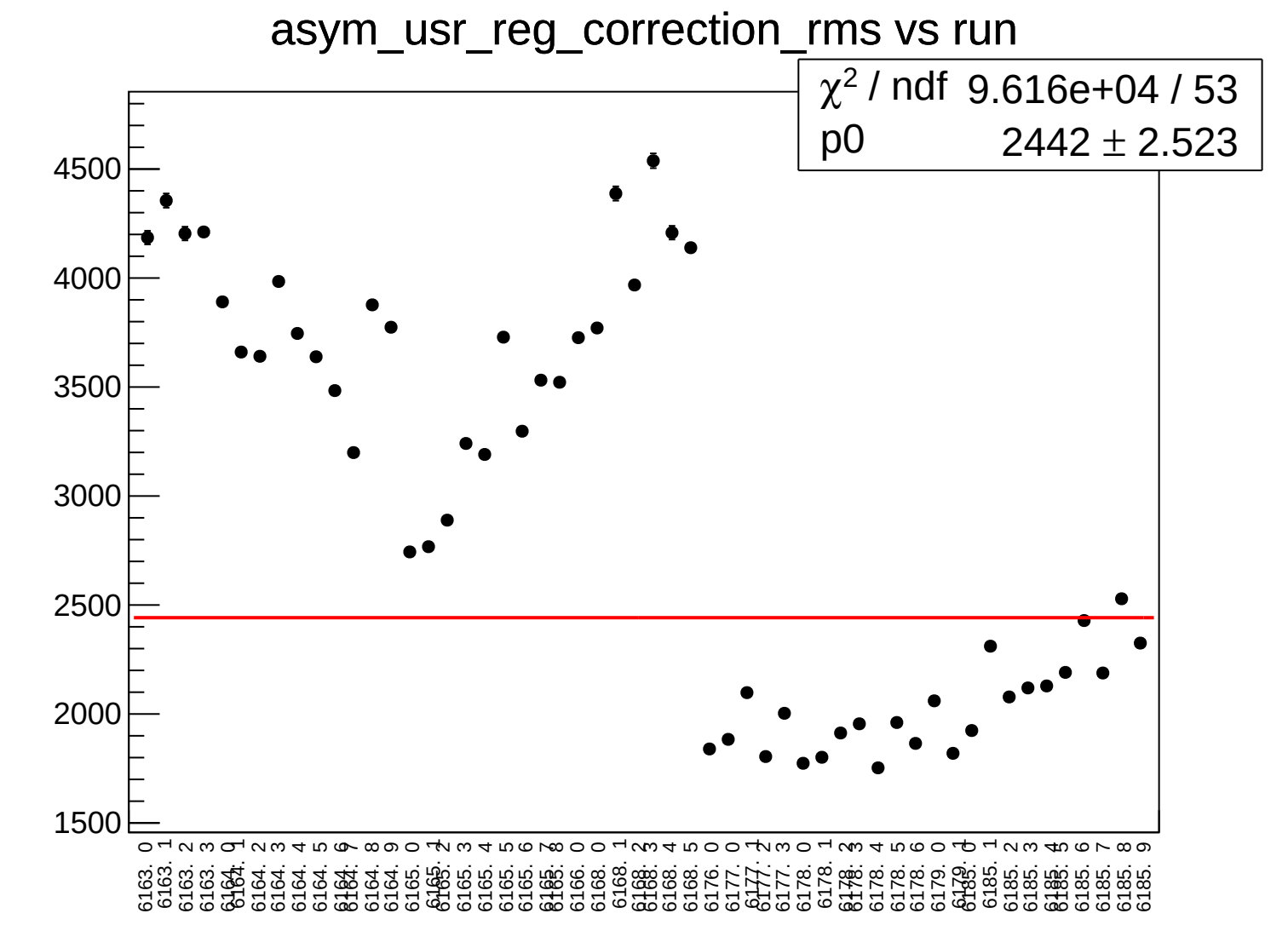
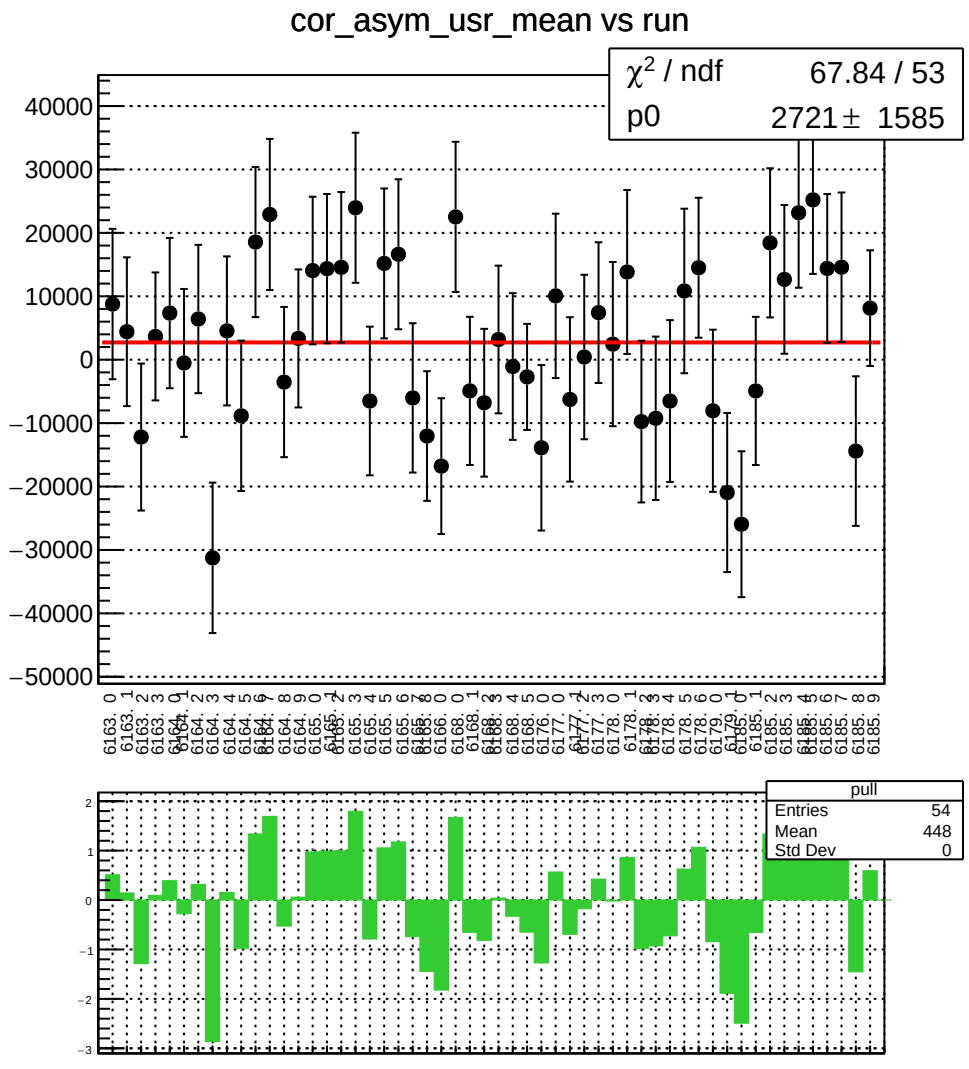
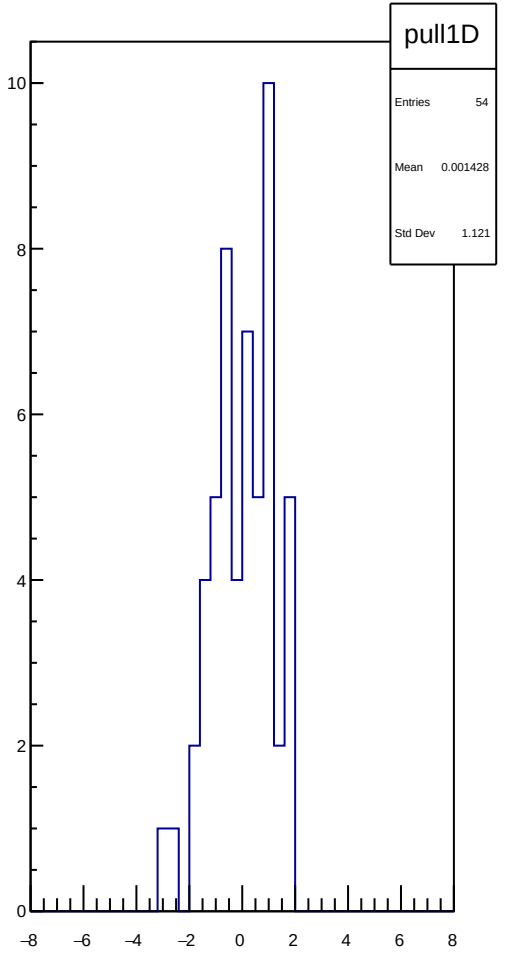
6185. 7
6185. 8
6185. 9

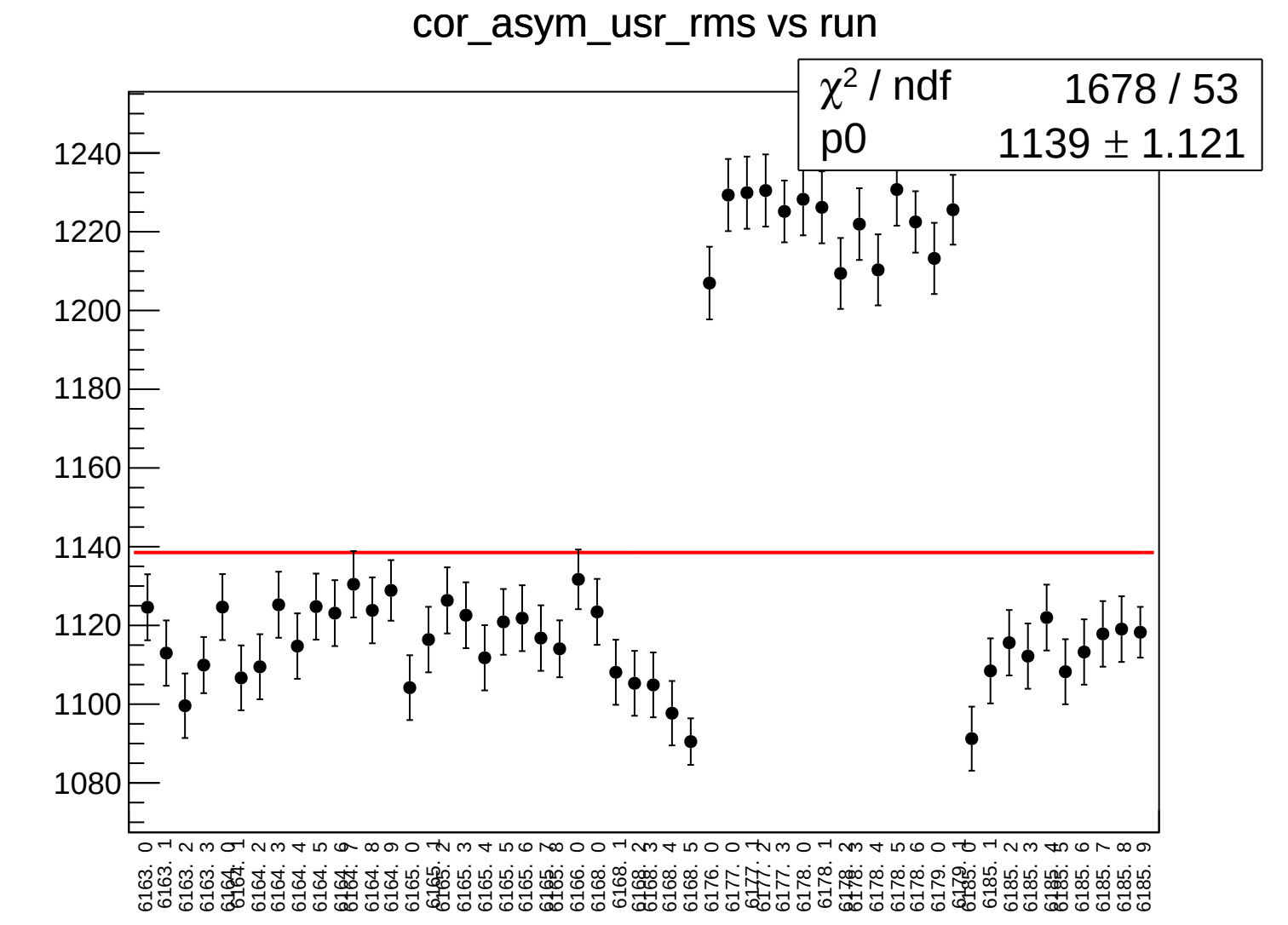

asym_usr_reg_correction_mean vs run
χ² / ndf 57.07 / 53
p0 −6021 ± 3568
pull
Entries 54
Mean 8.878
Std Dev 0

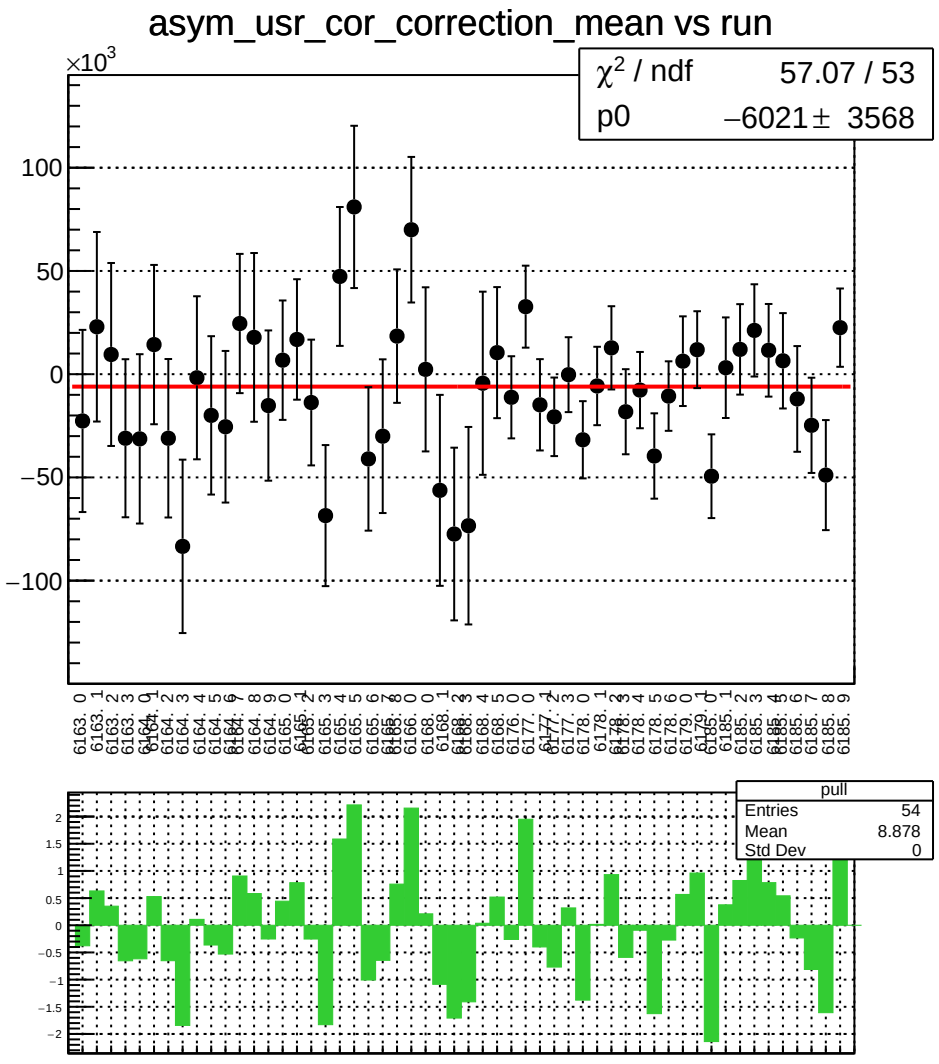

pull1D
Entries 54
Mean −0.02945
Std Dev 1.028

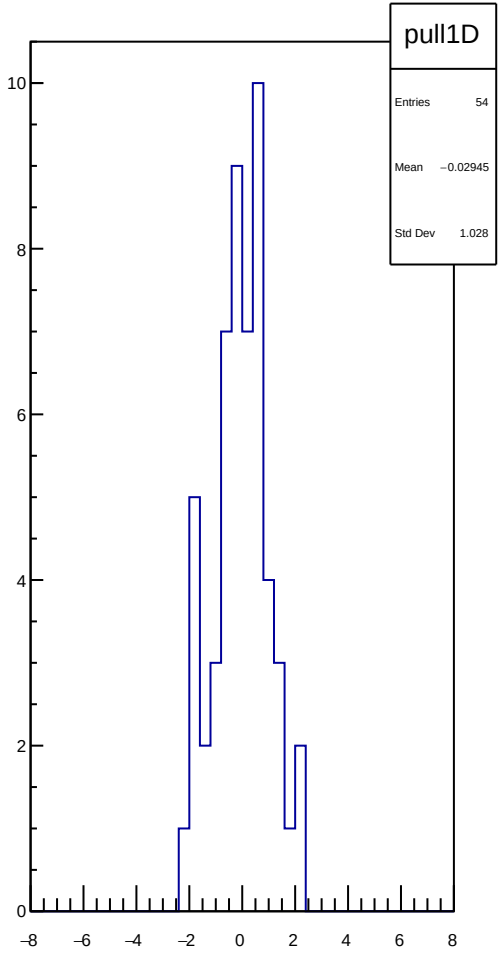

asym_usr_reg_correction_rms vs run
χ² / ndf 9.616e+04 / 53
p0 2442 ± 2.523
4500
4000
3500
3000
2500
2000
1500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

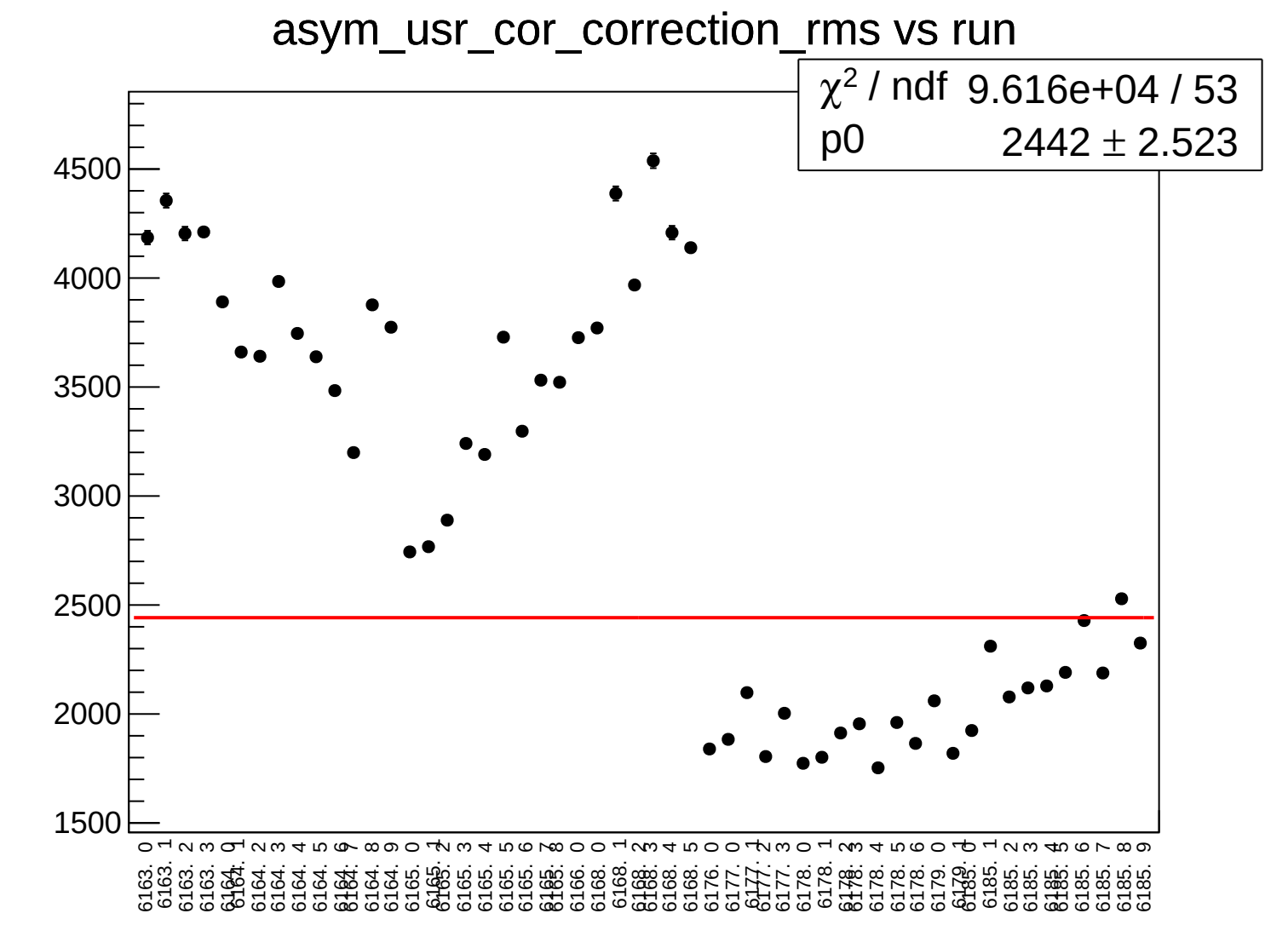

cor_asym_usr_mean vs run
χ² / ndf 67.84 / 53
p0 2721 ± 1585
pull
Entries 54
Mean 448
Std Dev 0

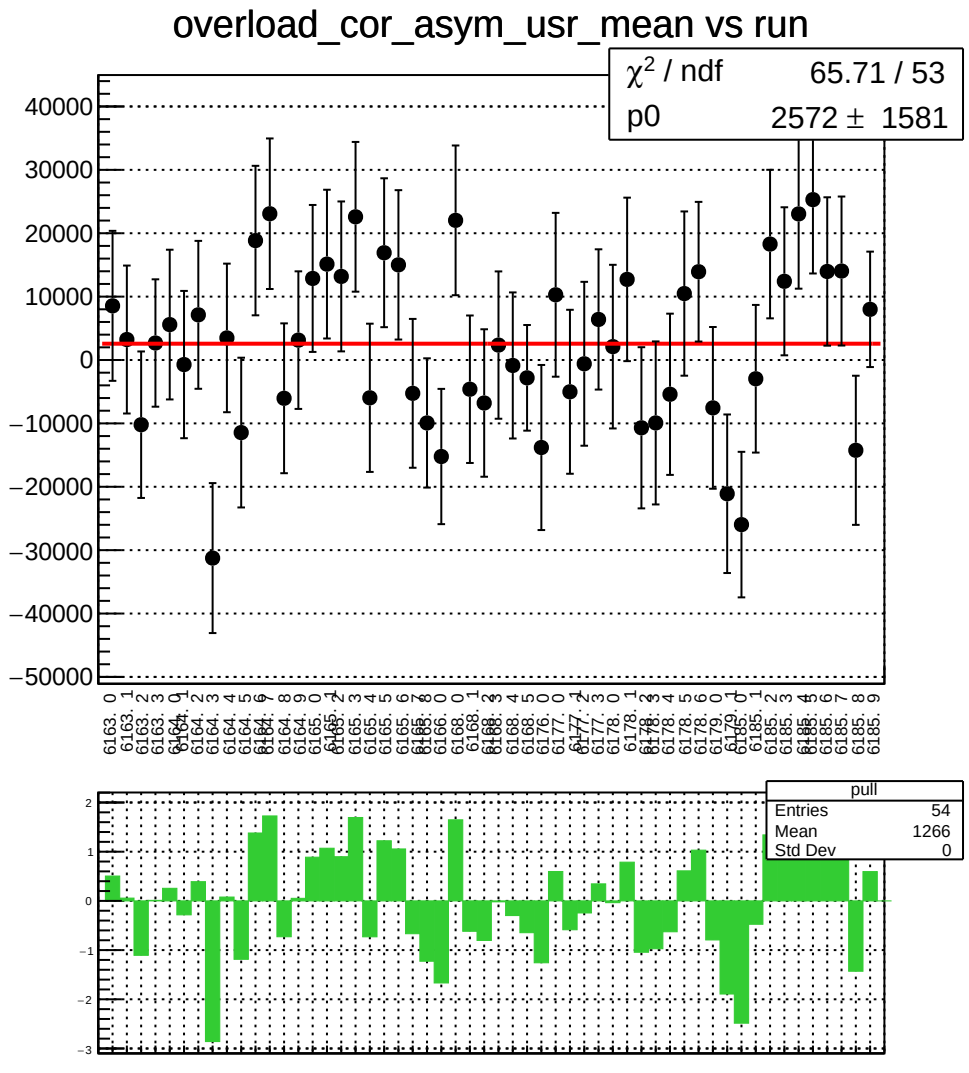

pull1D
Entries 54
Mean 0.001428
Std Dev 1.121

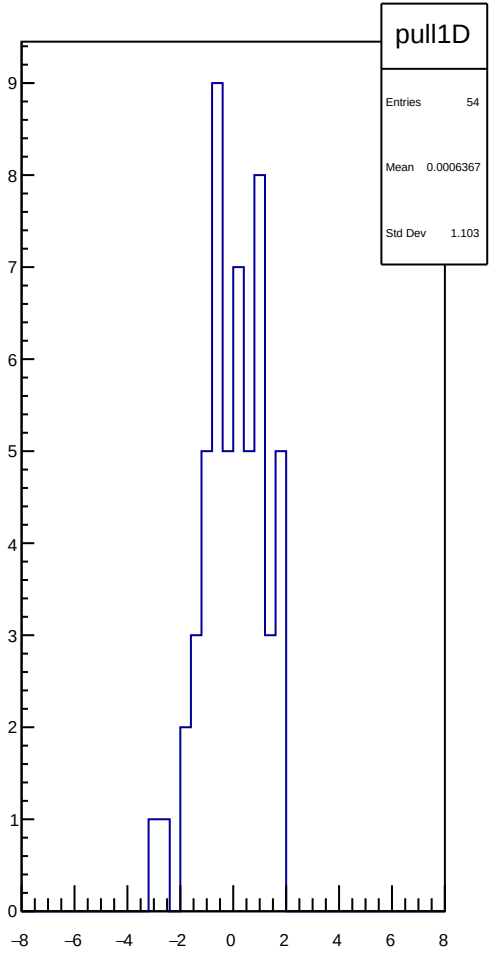

cor_asym_usr_rms vs run
χ² / ndf 1678 / 53
p0 1139 ± 1.121
1240
1220
1200
1180
1160
1140
1120
1100
1080
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

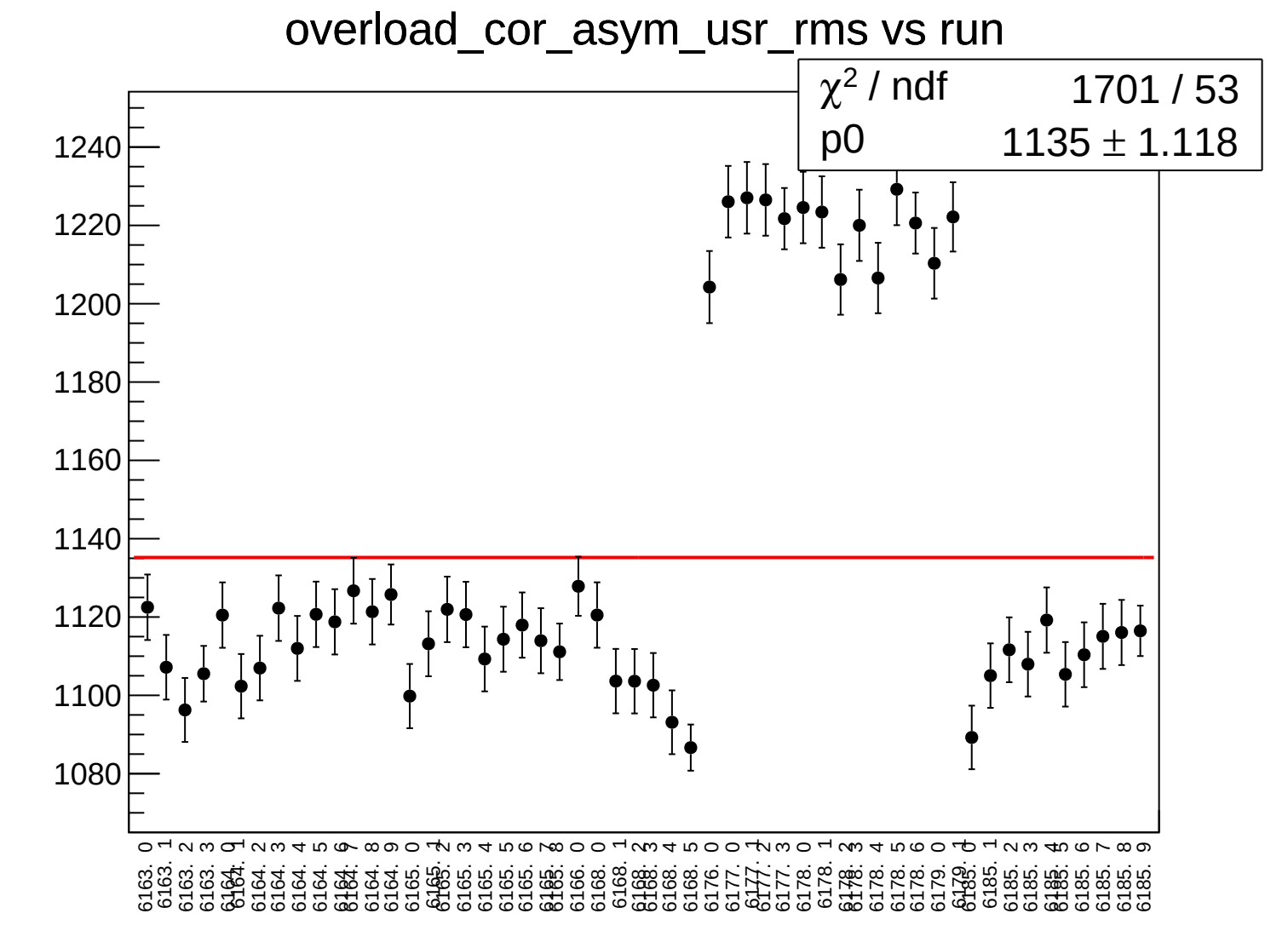

asym_usr_cor_correction_mean vs run
×10^3
χ² / ndf 57.07 / 53
p0 −6021 ± 3568
100
50
0
−50
−100
pull
Entries 54
Mean 8.878
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

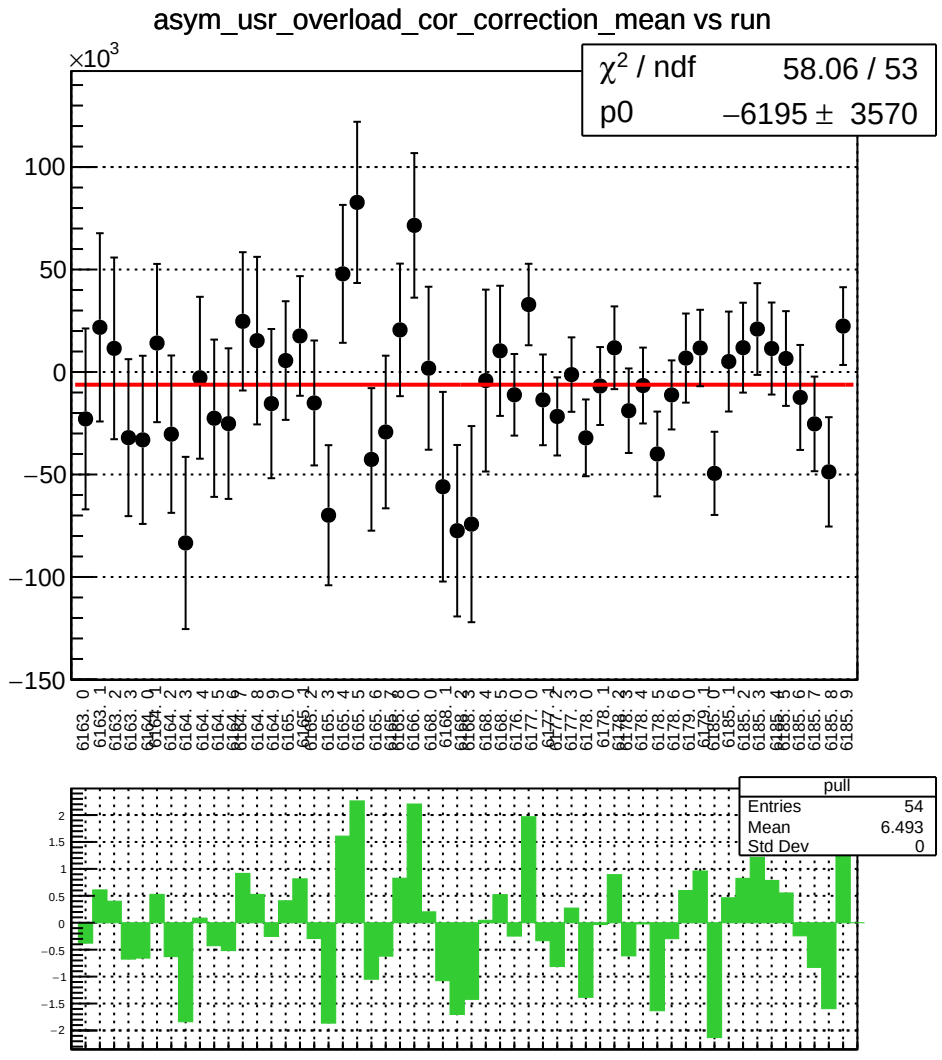

pull1D
Entries 54
Mean −0.02945
Std Dev 1.028
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

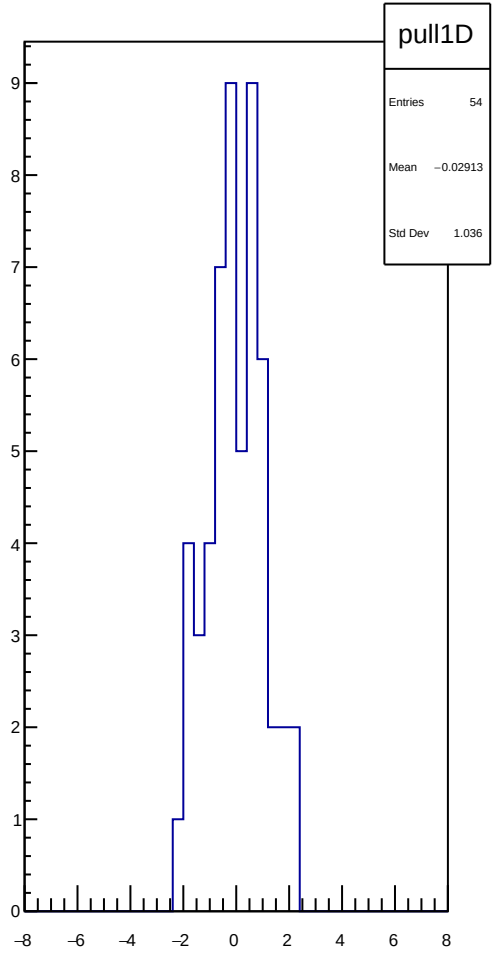

asym_usr_cor_correction_rms vs run
χ² / ndf 9.616e+04 / 53
p0 2442 ± 2.523
4500
4000
3500
3000
2500
2000
1500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

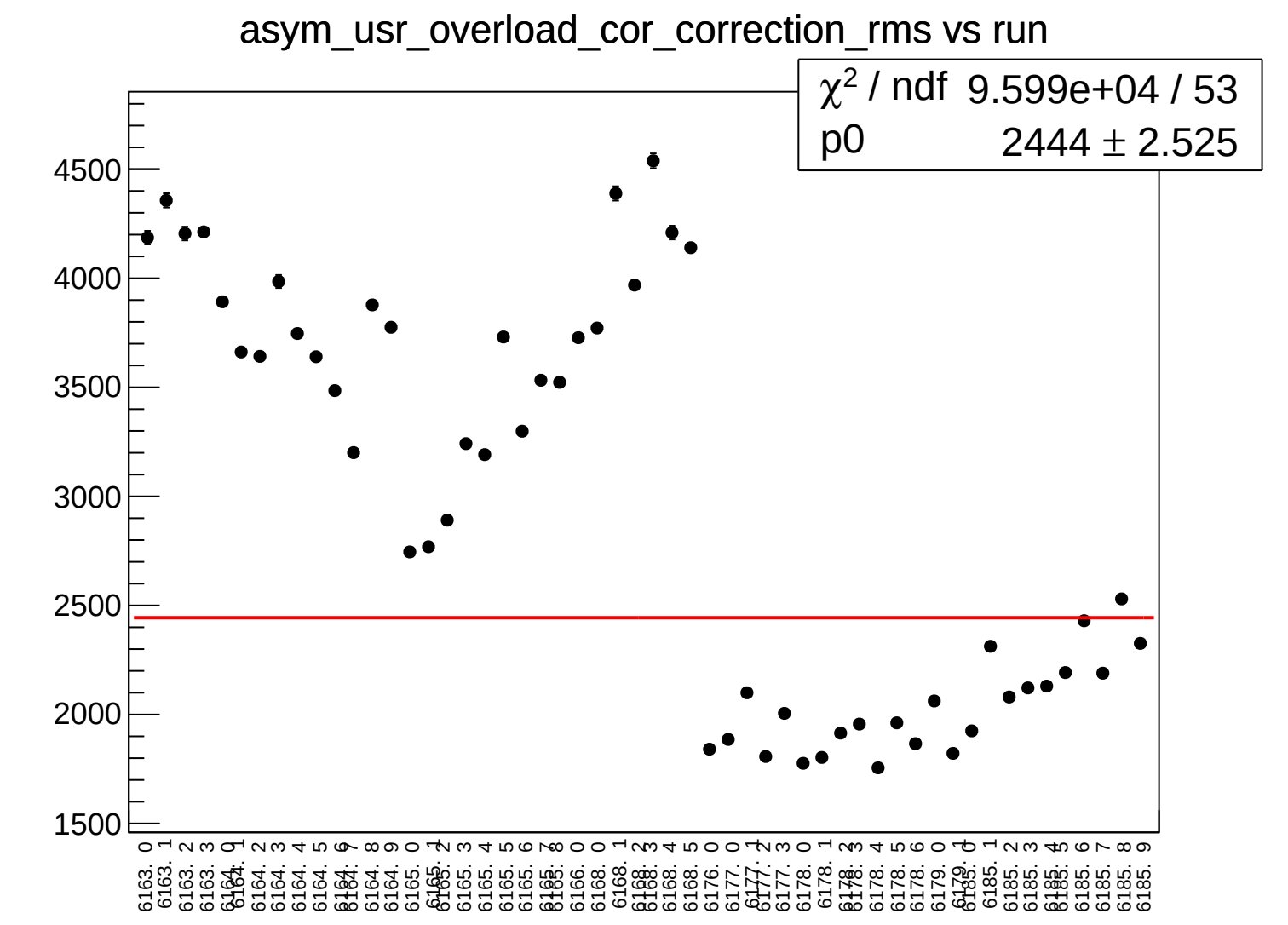

overload_cor_asym_usr_mean vs run
χ² / ndf 65.71 / 53
p0 2572 ± 1581
pull
Entries 54
Mean 1266
Std Dev 0

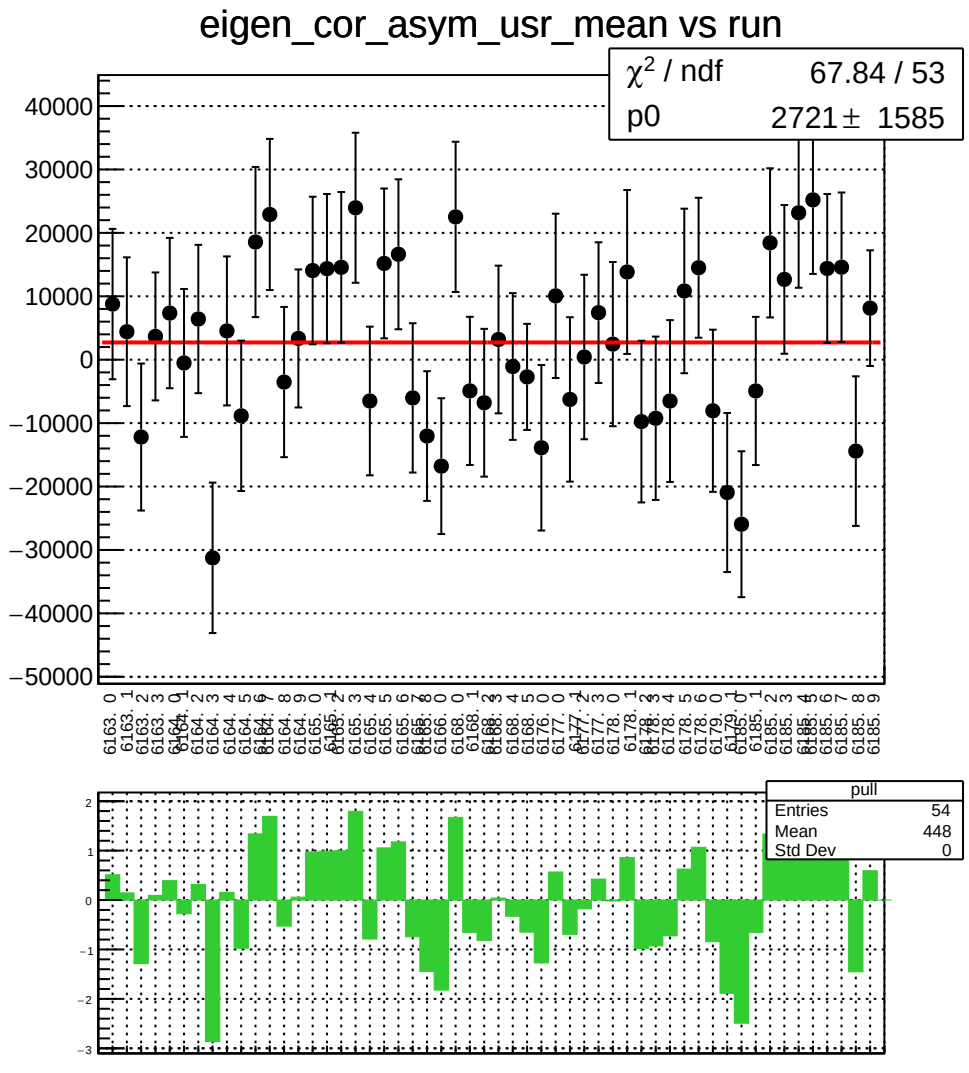

pull1D
Entries 54
Mean 0.0006367
Std Dev 1.103

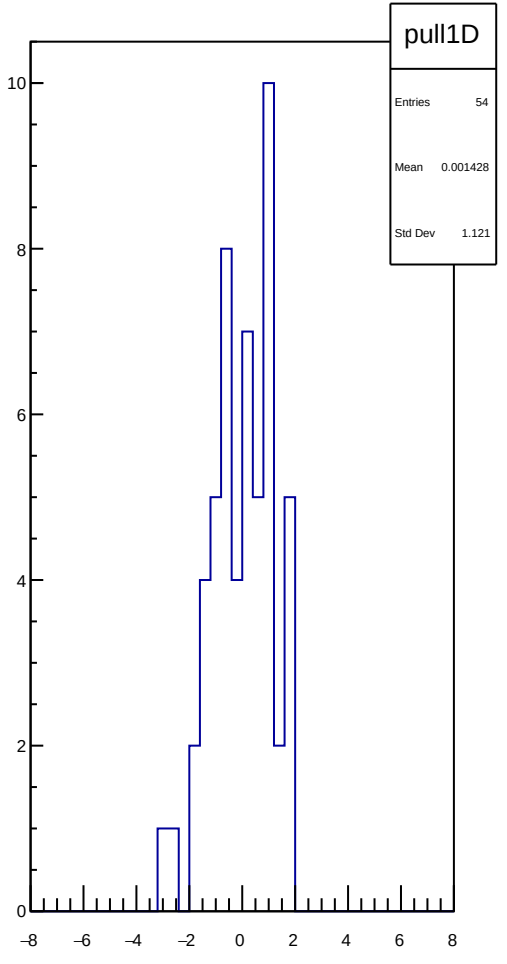

overload_cor_asym_usr_rms vs run
χ² / ndf 1701 / 53
p0 1135 ± 1.118
1240
1220
1200
1180
1160
1140
1120
1100
1080
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

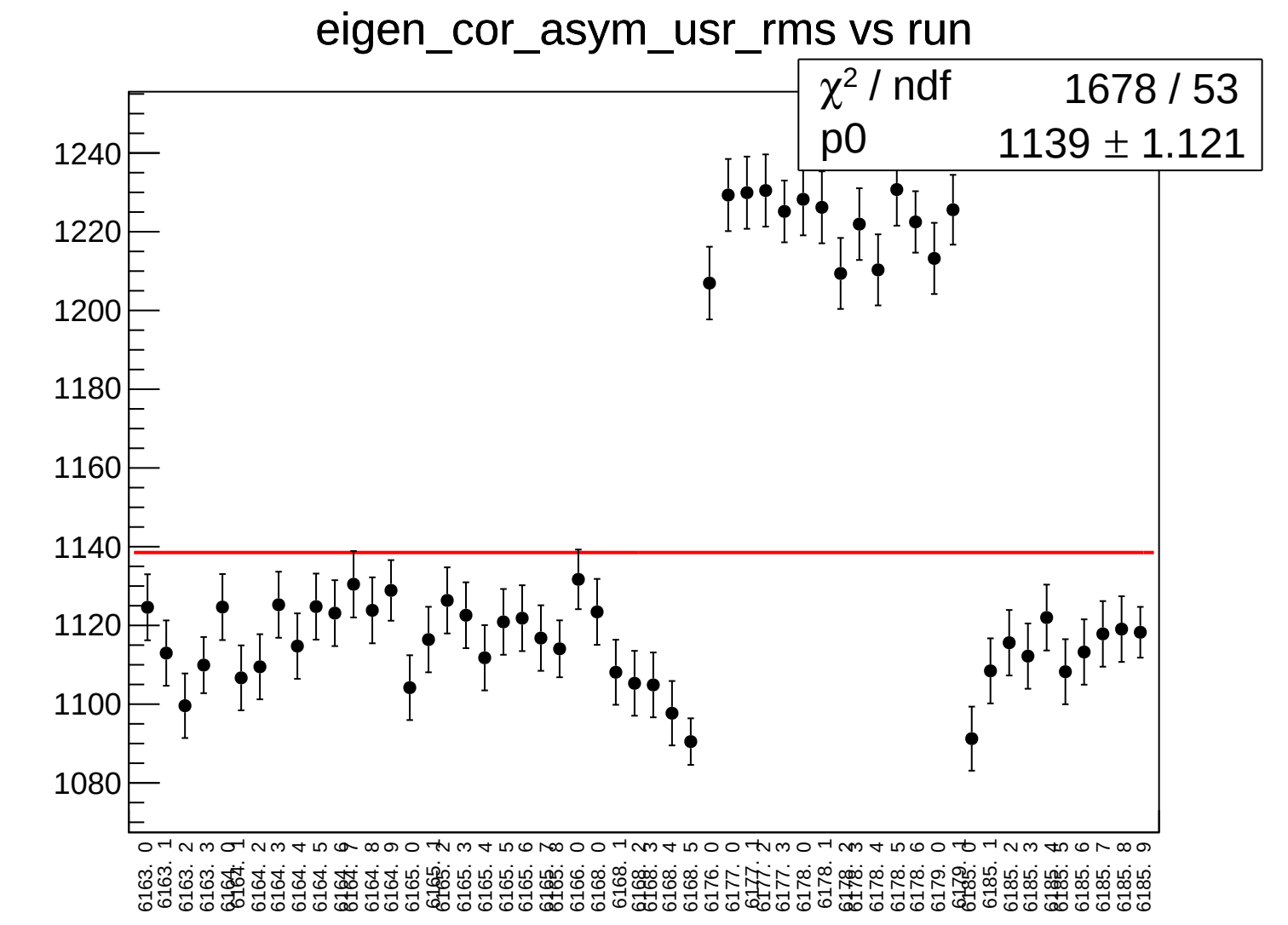

asym_usr_overload_cor_correction_mean vs run
×10^3
χ² / ndf 58.06 / 53
p0 −6195 ± 3570
100
50
0
−50
−100
−150
pull
Entries 54
Mean 6.493
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

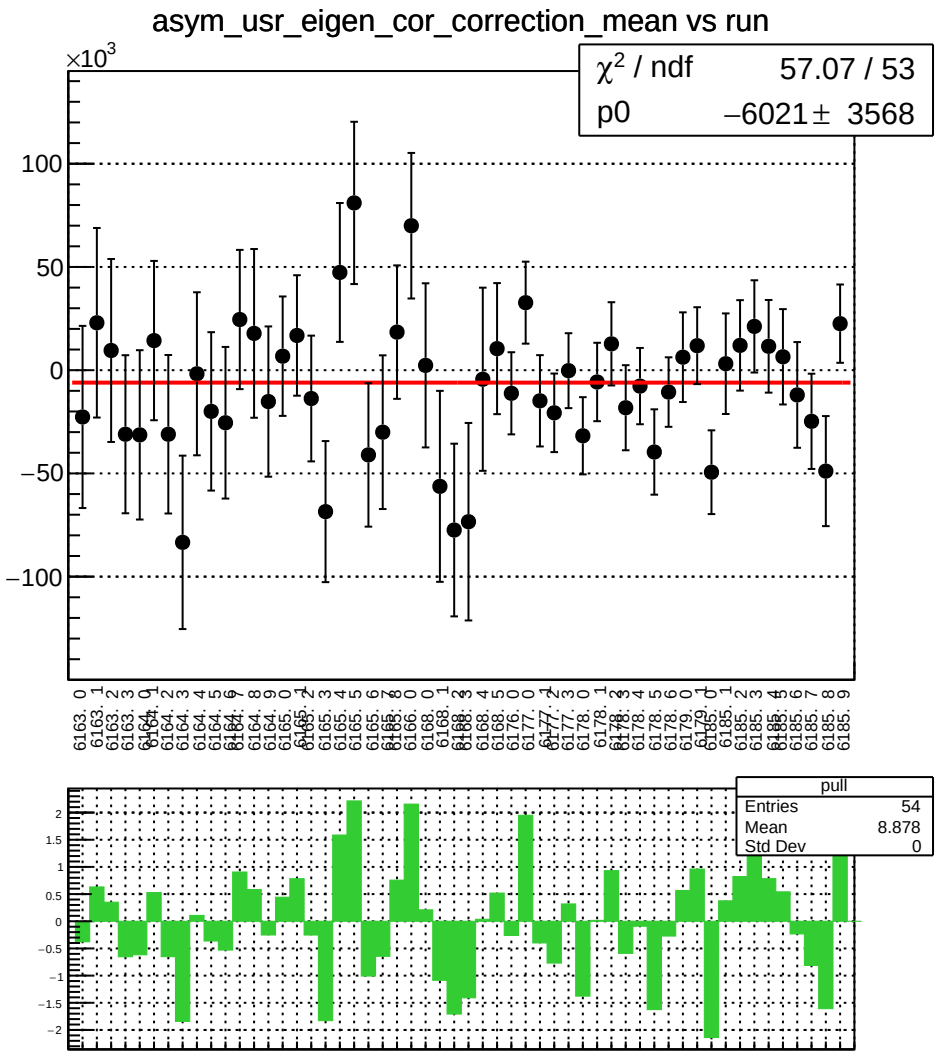

pull1D
Entries 54
Mean −0.02913
Std Dev 1.036
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

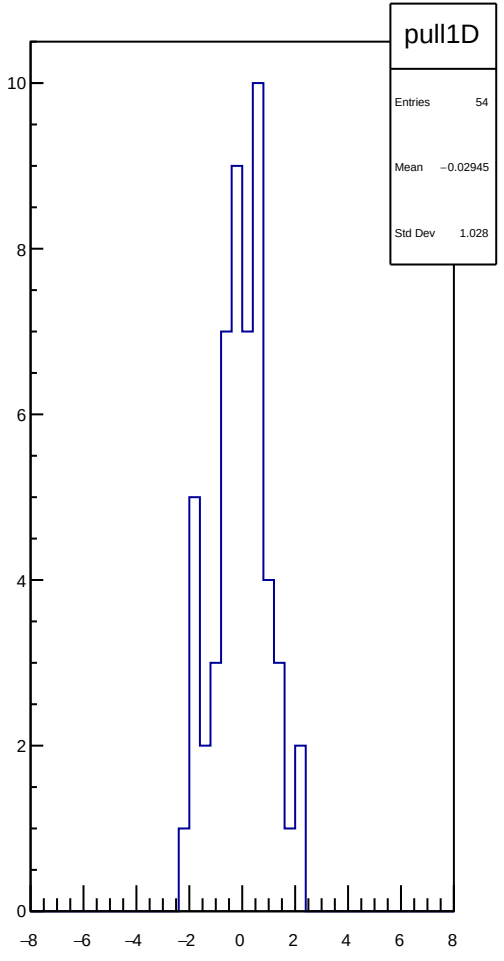

asym_usr_overload_cor_correction_rms vs run
χ² / ndf 9.599e+04 / 53
p0 2444 ± 2.525
4500
4000
3500
3000
2500
2000
1500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

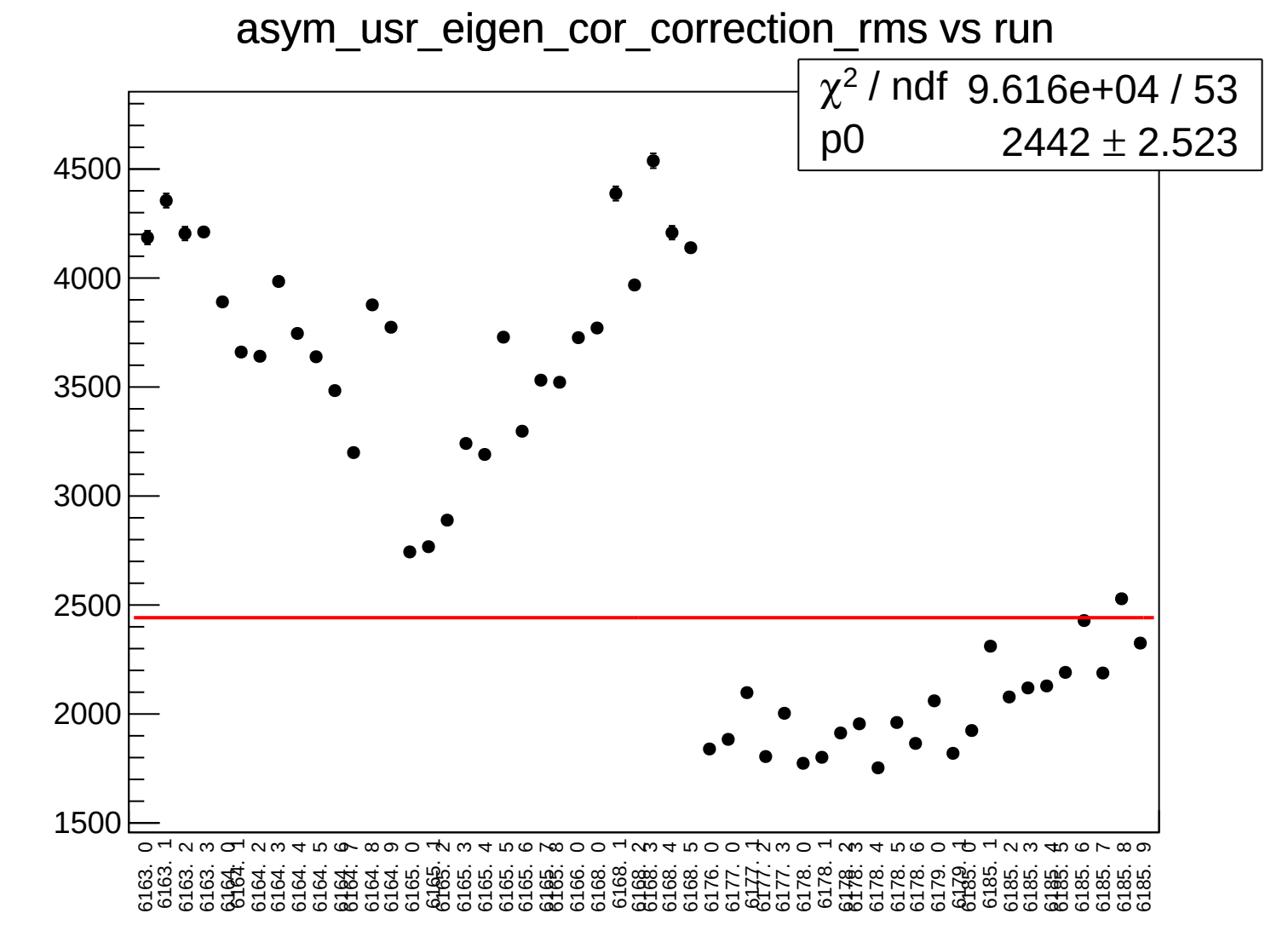

eigen_cor_asym_usr_mean vs run
χ² / ndf 67.84 / 53
p0 2721 ± 1585
pull
Entries 54
Mean 448
Std Dev 0

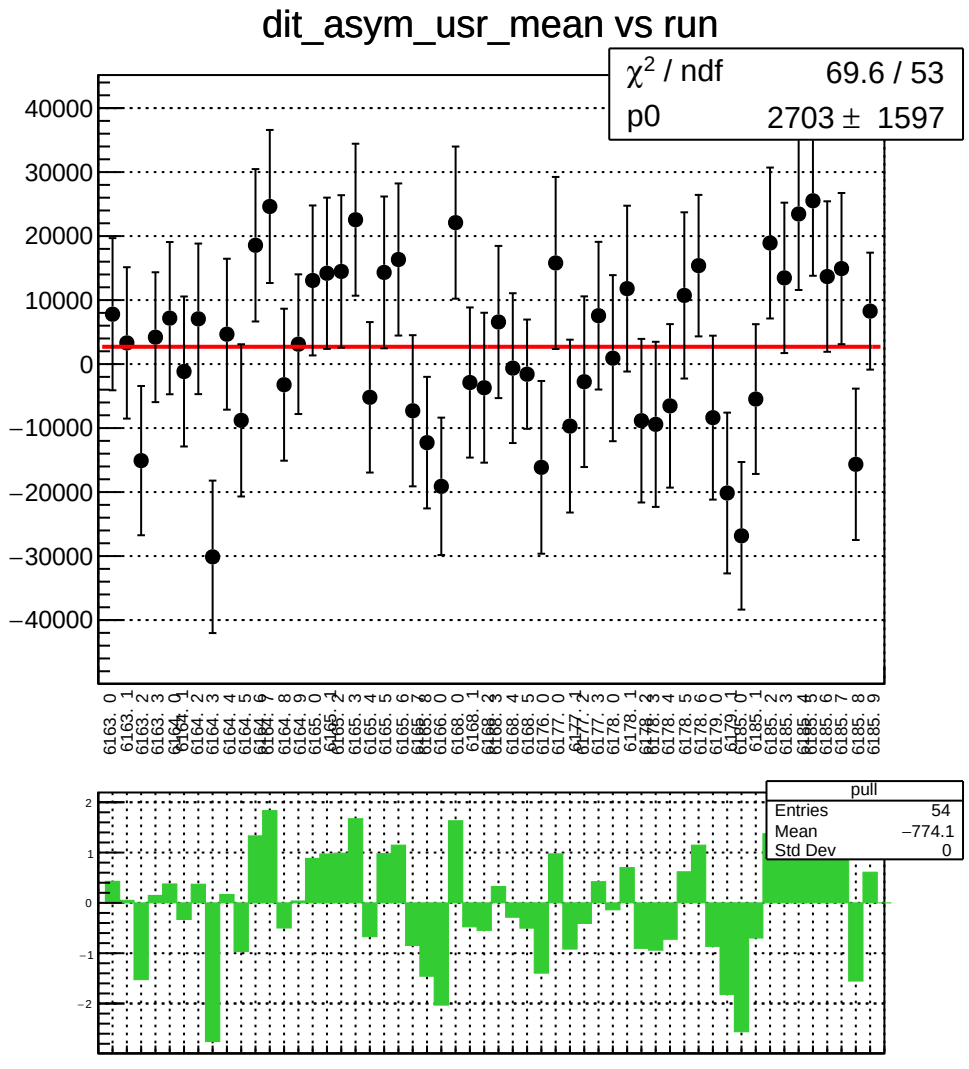

pull1D
Entries 54
Mean 0.001428
Std Dev 1.121

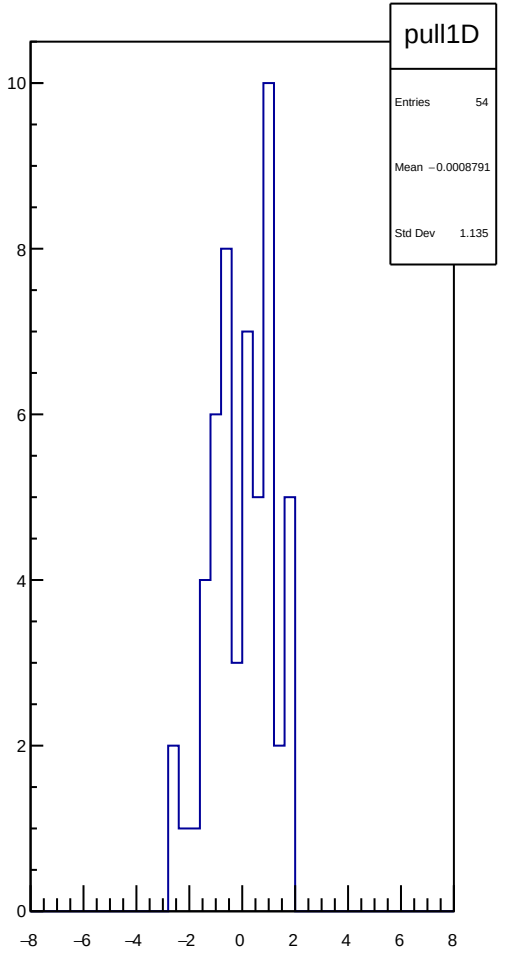

eigen_cor_asym_usr_rms vs run
χ² / ndf 1678 / 53
p0 1139 ± 1.121
1240
1220
1200
1180
1160
1140
1120
1100
1080
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

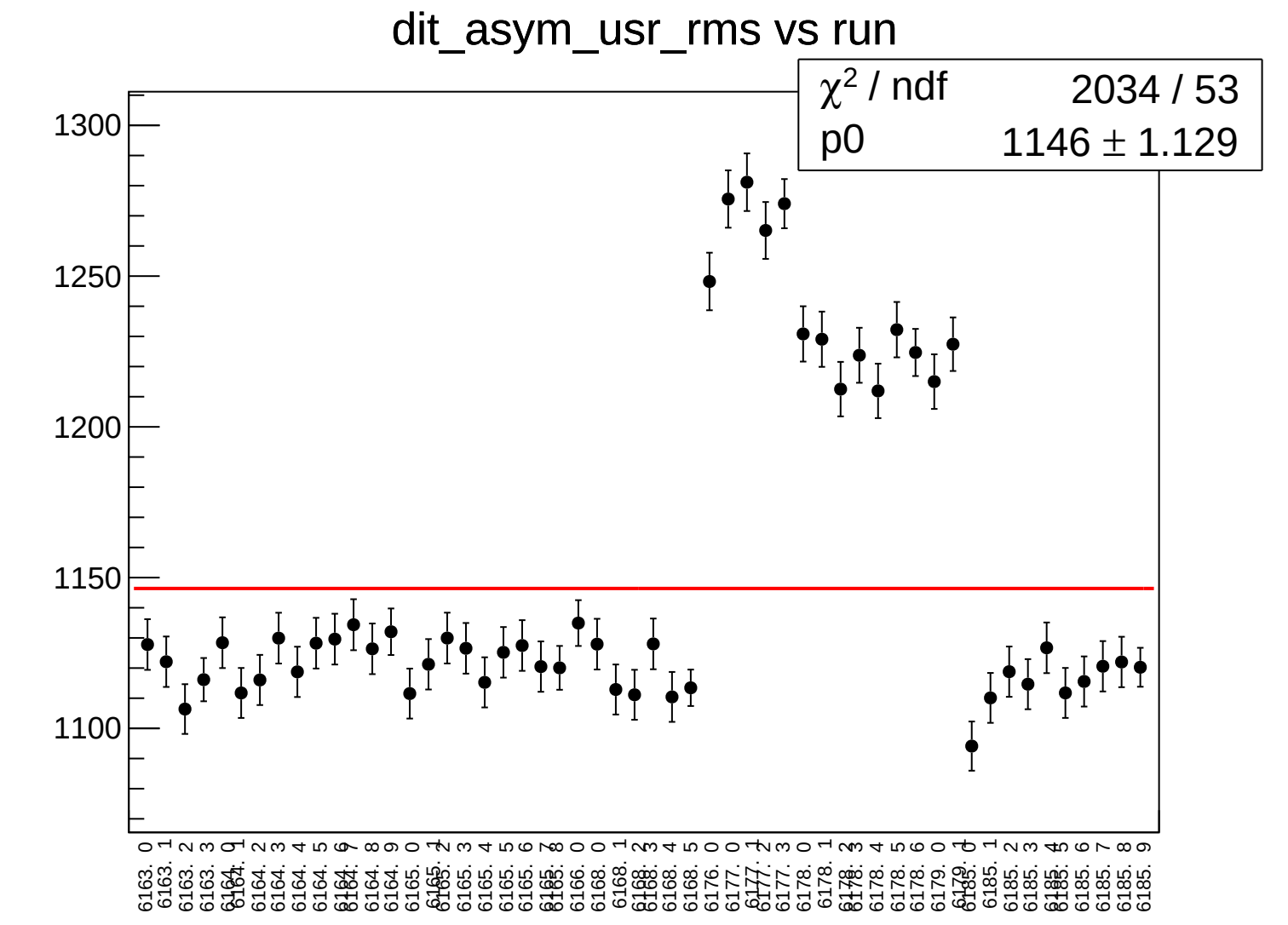

asym_usr_eigen_cor_correction_mean vs run
×10^3
χ^2 / ndf 57.07 / 53
p0 −6021 ± 3568
100
50
0
−50
−100
pull
Entries 54
Mean 8.878
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

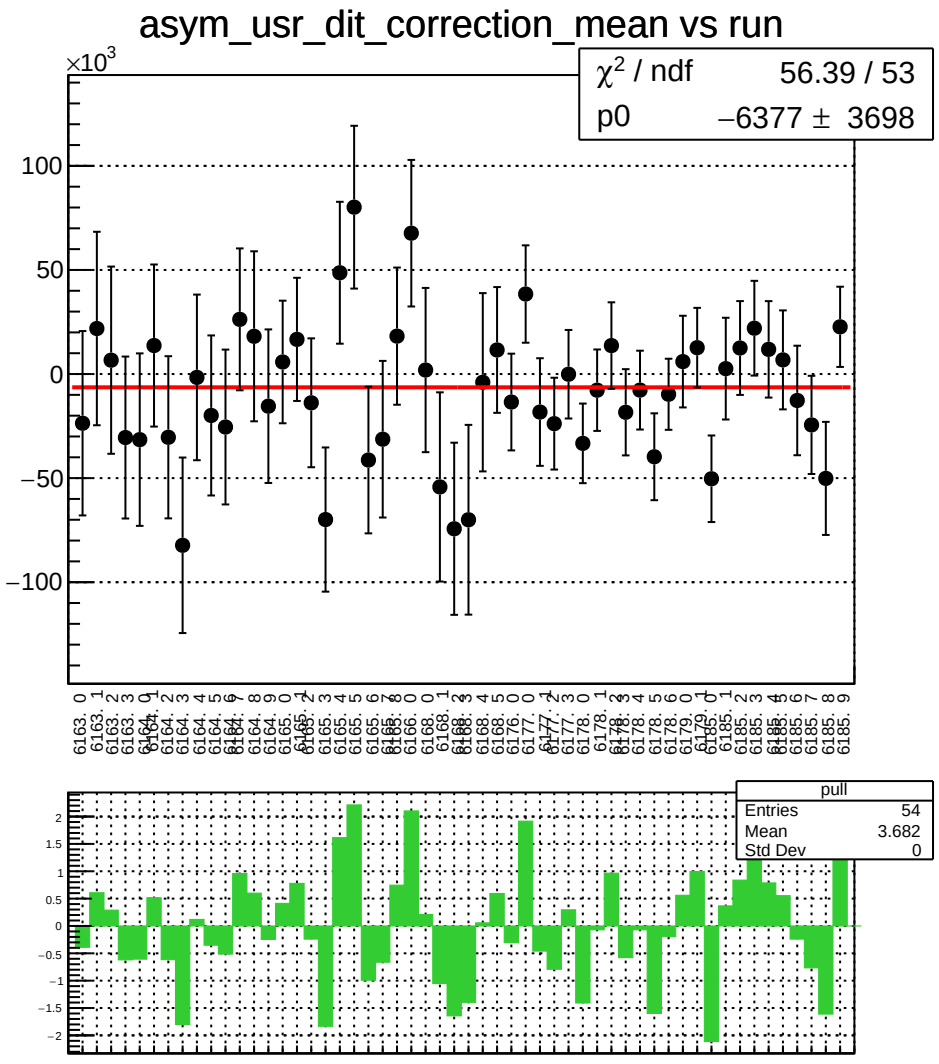

pull1D
Entries 54
Mean −0.02945
Std Dev 1.028
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

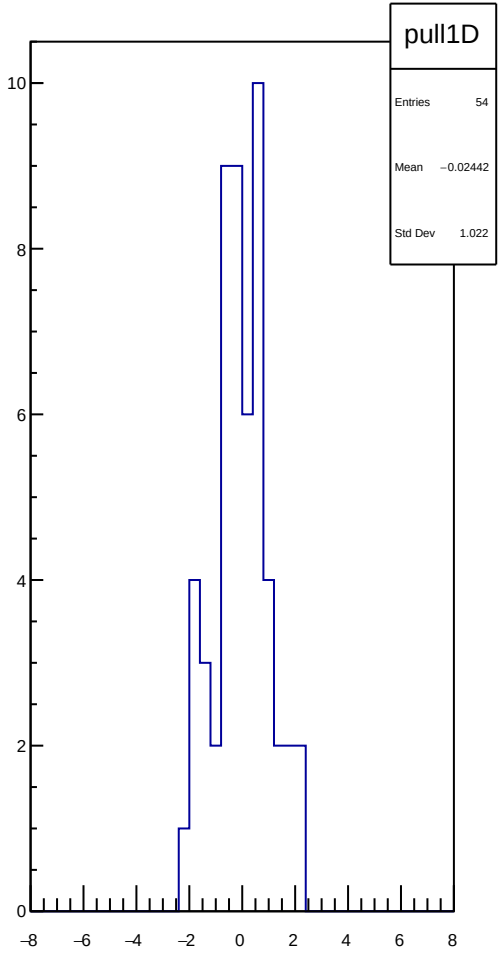

asym_usr_eigen_cor_correction_rms vs run
χ² / ndf 9.616e+04 / 53
p0 2442 ± 2.523
4500
4000
3500
3000
2500
2000
1500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

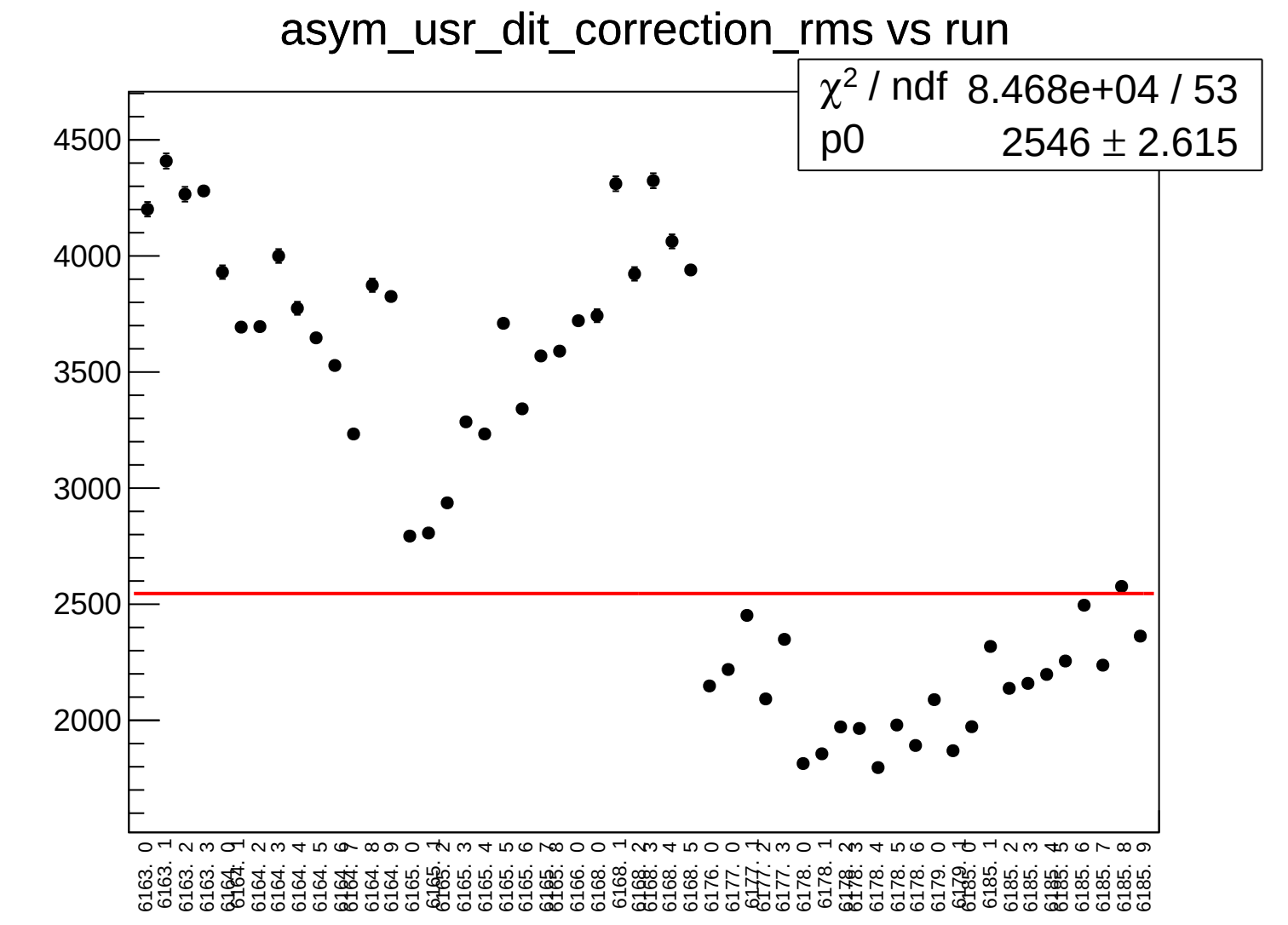

dit_asym_usr_mean vs run
χ² / ndf 69.6 / 53
p0 2703 ± 1597
pull
Entries 54
Mean −774.1
Std Dev 0

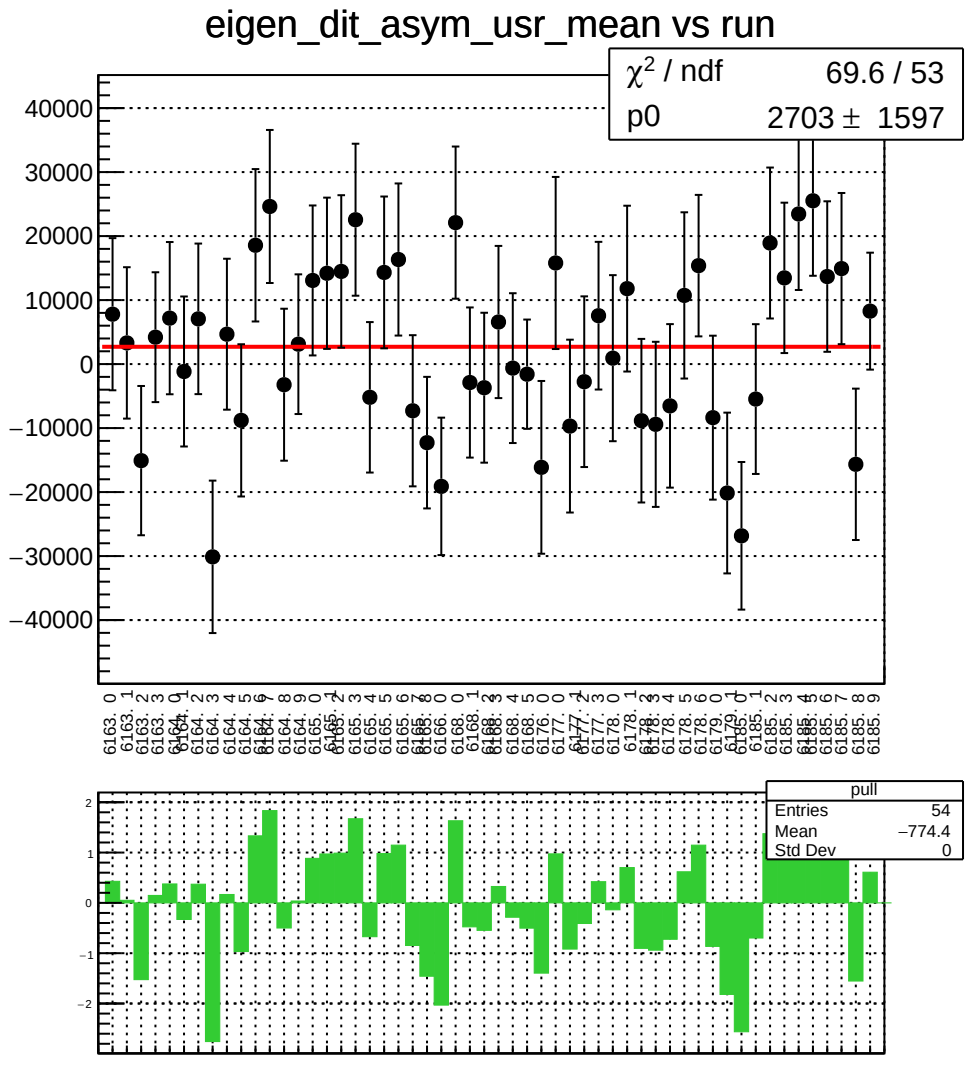

pull1D
Entries 54
Mean −0.0008791
Std Dev 1.135

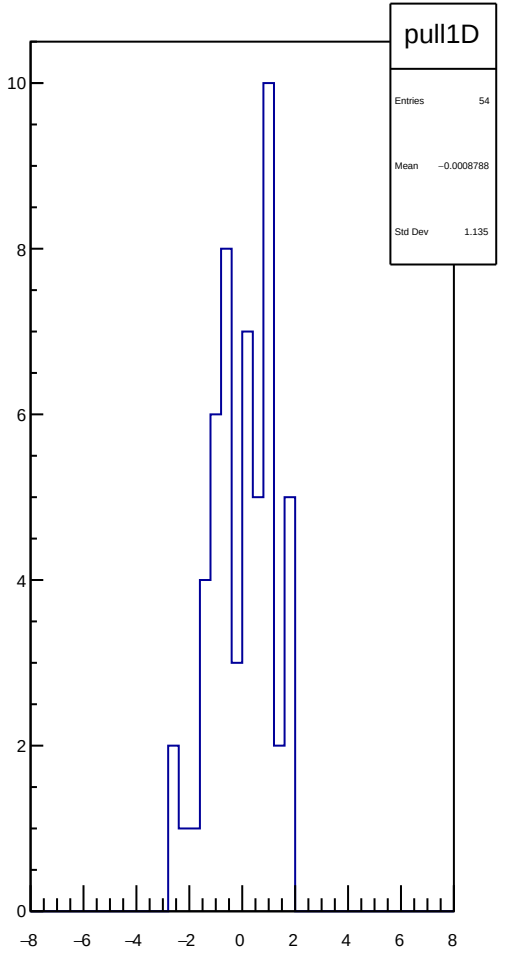

dit_asym_usr_rms vs run
χ² / ndf 2034 / 53
p0 1146 ± 1.129
1300
1250
1200
1150
1100
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

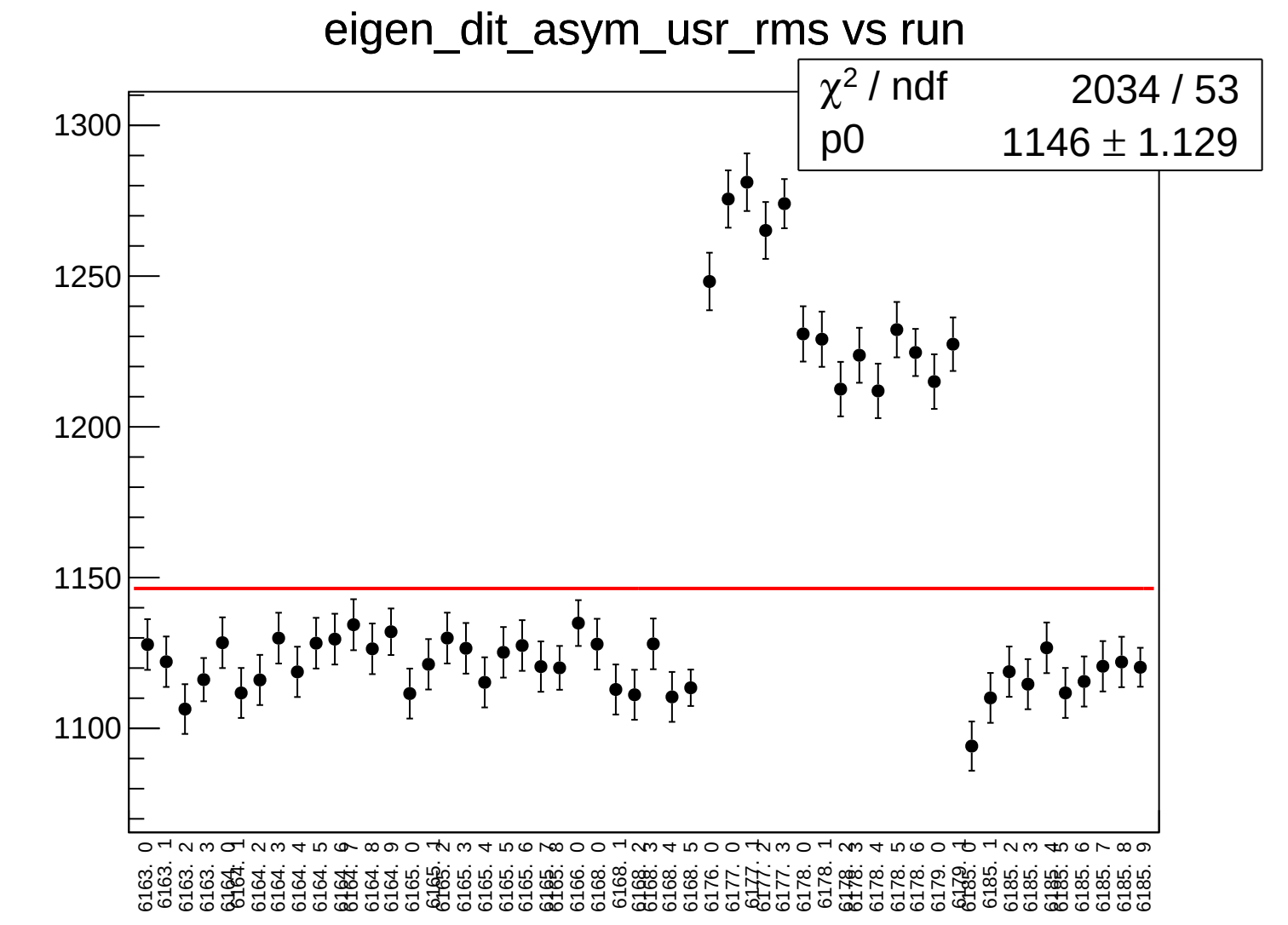

asym_usr_dit_correction_mean vs run
×10^3
χ² / ndf 56.39 / 53
p0 −6377 ± 3698
100
50
0
−50
−100
pull
Entries 54
Mean 3.682
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 54
Mean −0.02442
Std Dev 1.022
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_usr_dit_correction_rms vs run
χ² / ndf 8.468e+04 / 53
p0 2546 ± 2.615
4500
4000
3500
3000
2500
2000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


eigen_dit_asym_usr_mean vs run
χ² / ndf 69.6 / 53
p0 2703 ± 1597
pull
Entries 54
Mean −774.4
Std Dev 0


pull1D
Entries 54
Mean −0.0008788
Std Dev 1.135


eigen_dit_asym_usr_rms vs run
χ² / ndf 2034 / 53
p0 1146 ± 1.129
1300
1250
1200
1150
1100
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
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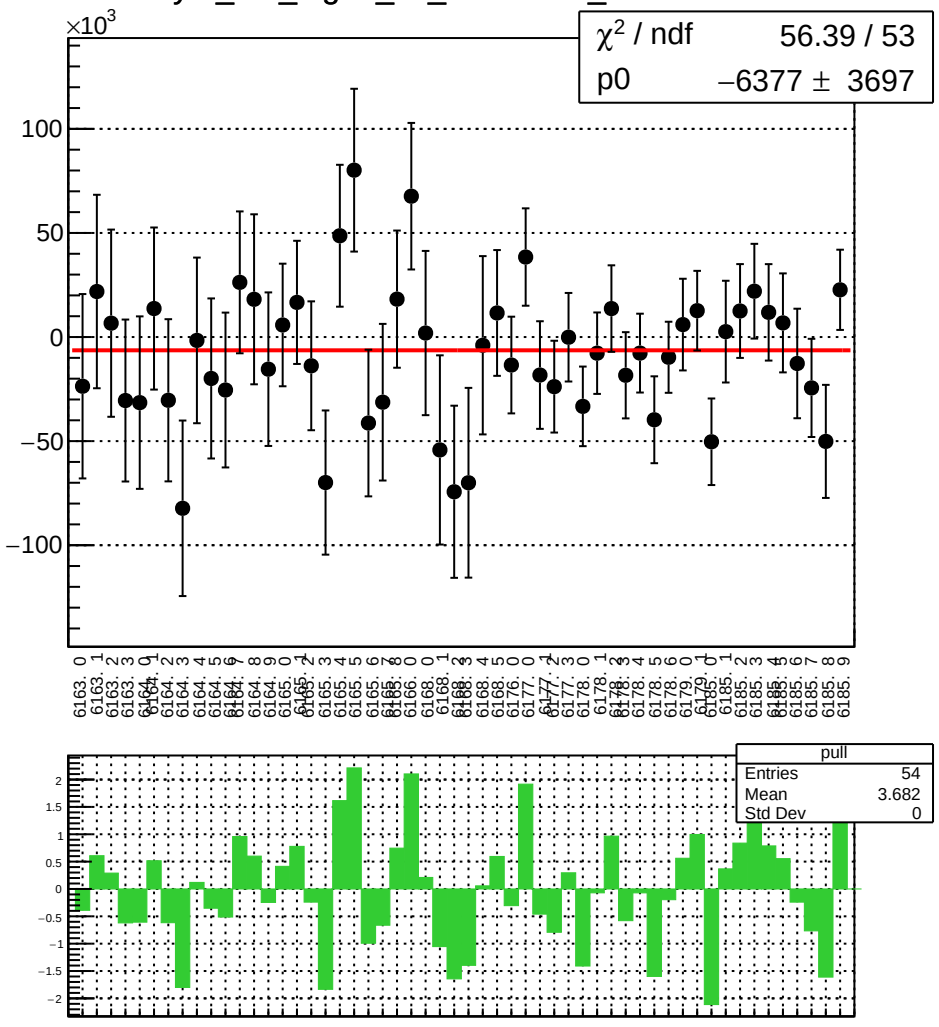
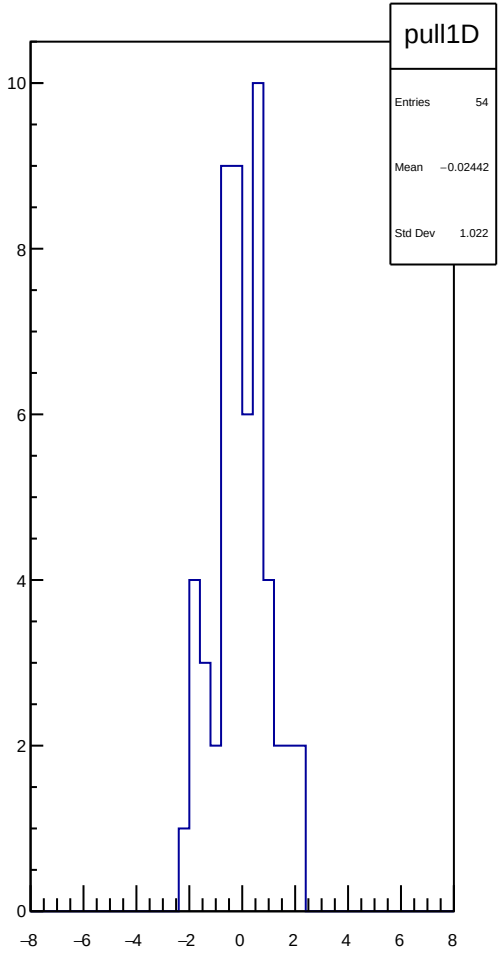
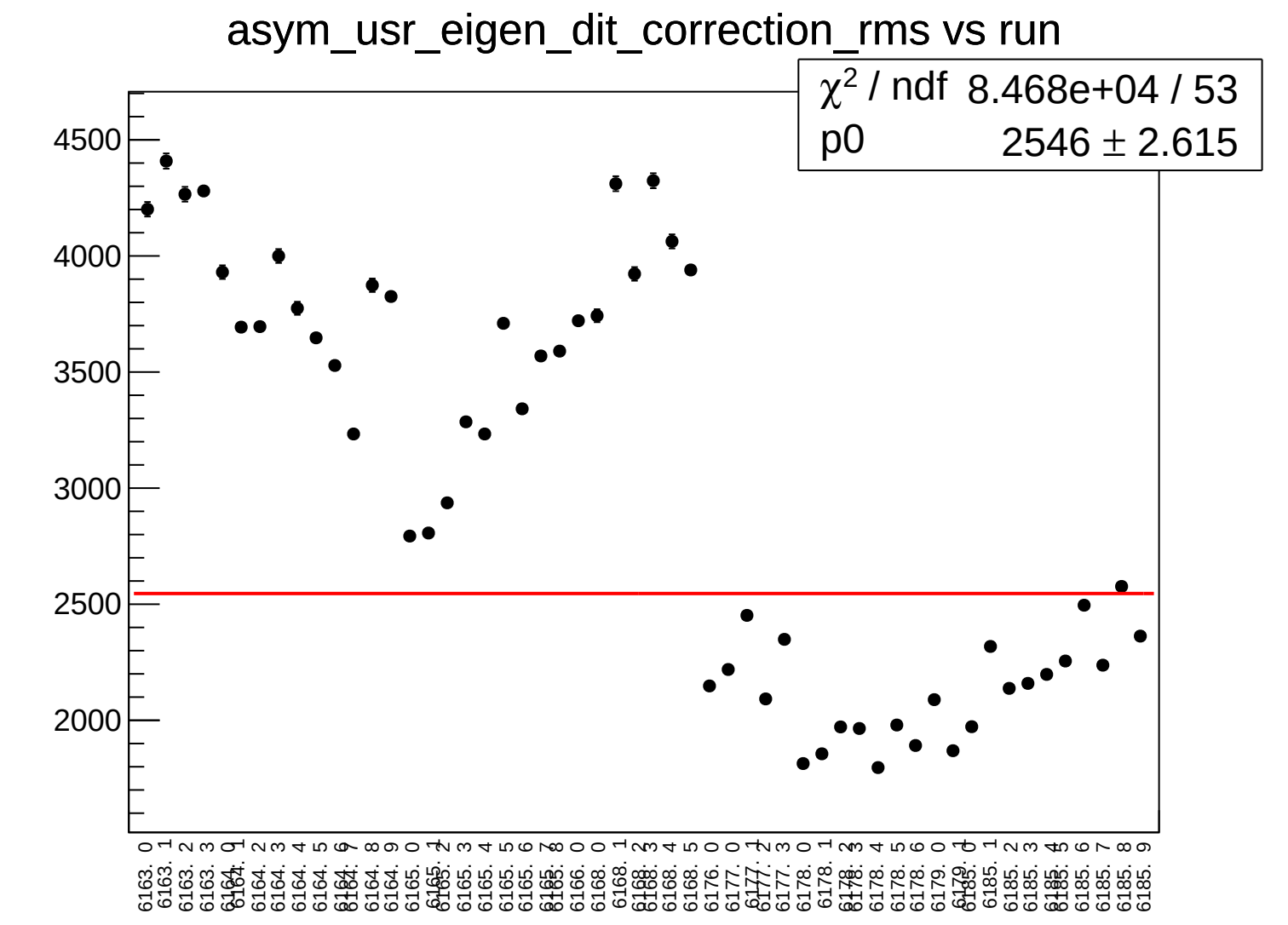
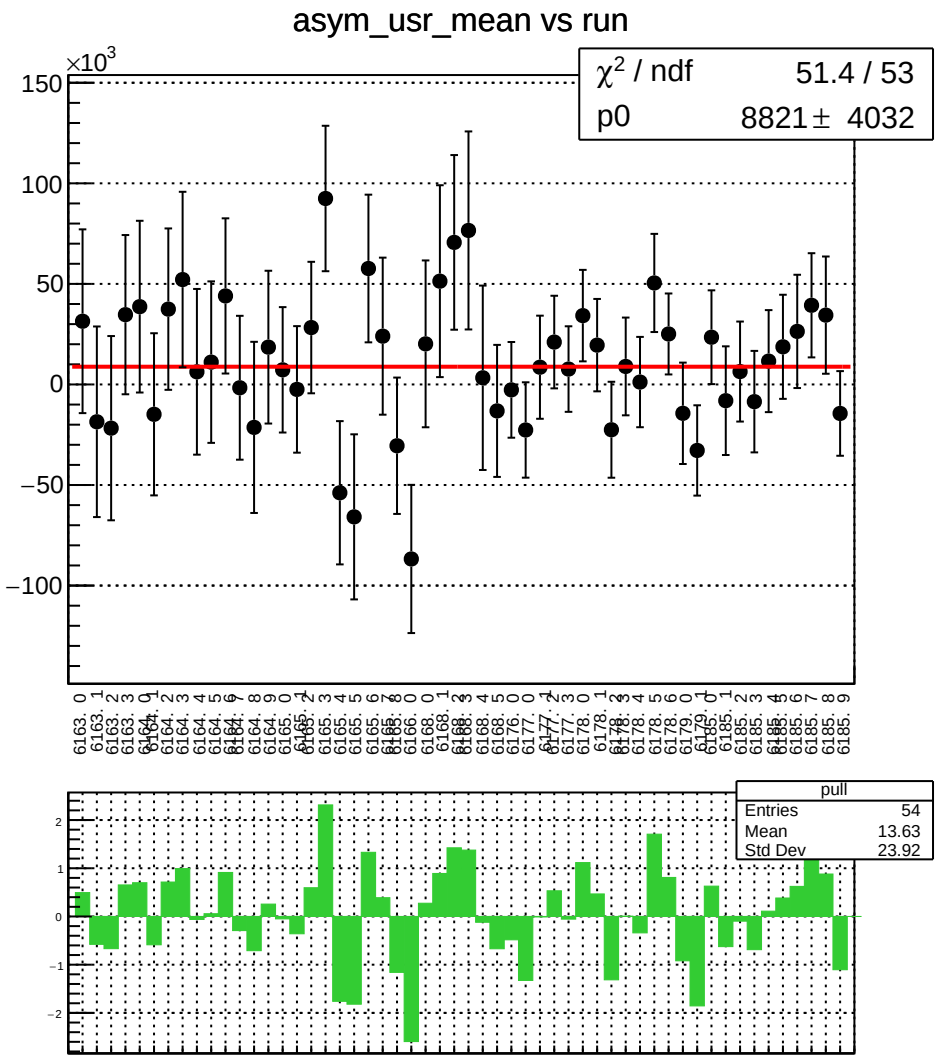
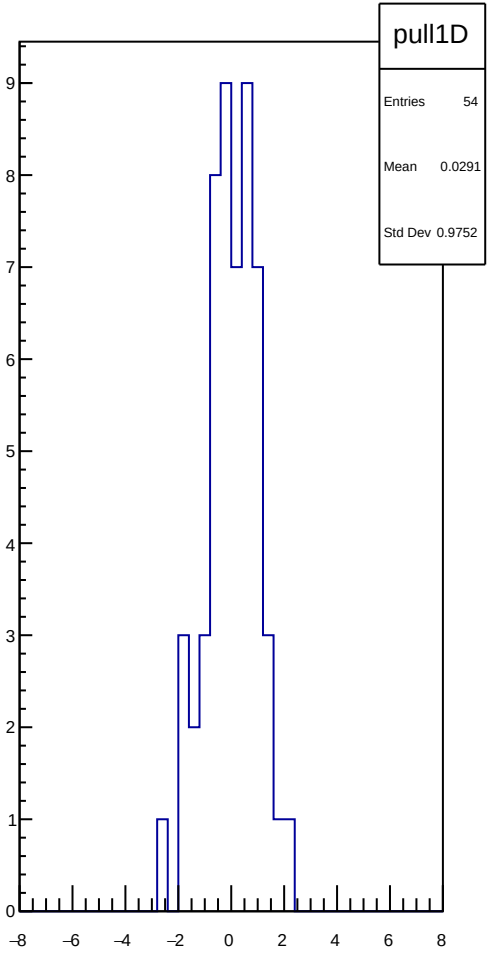
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

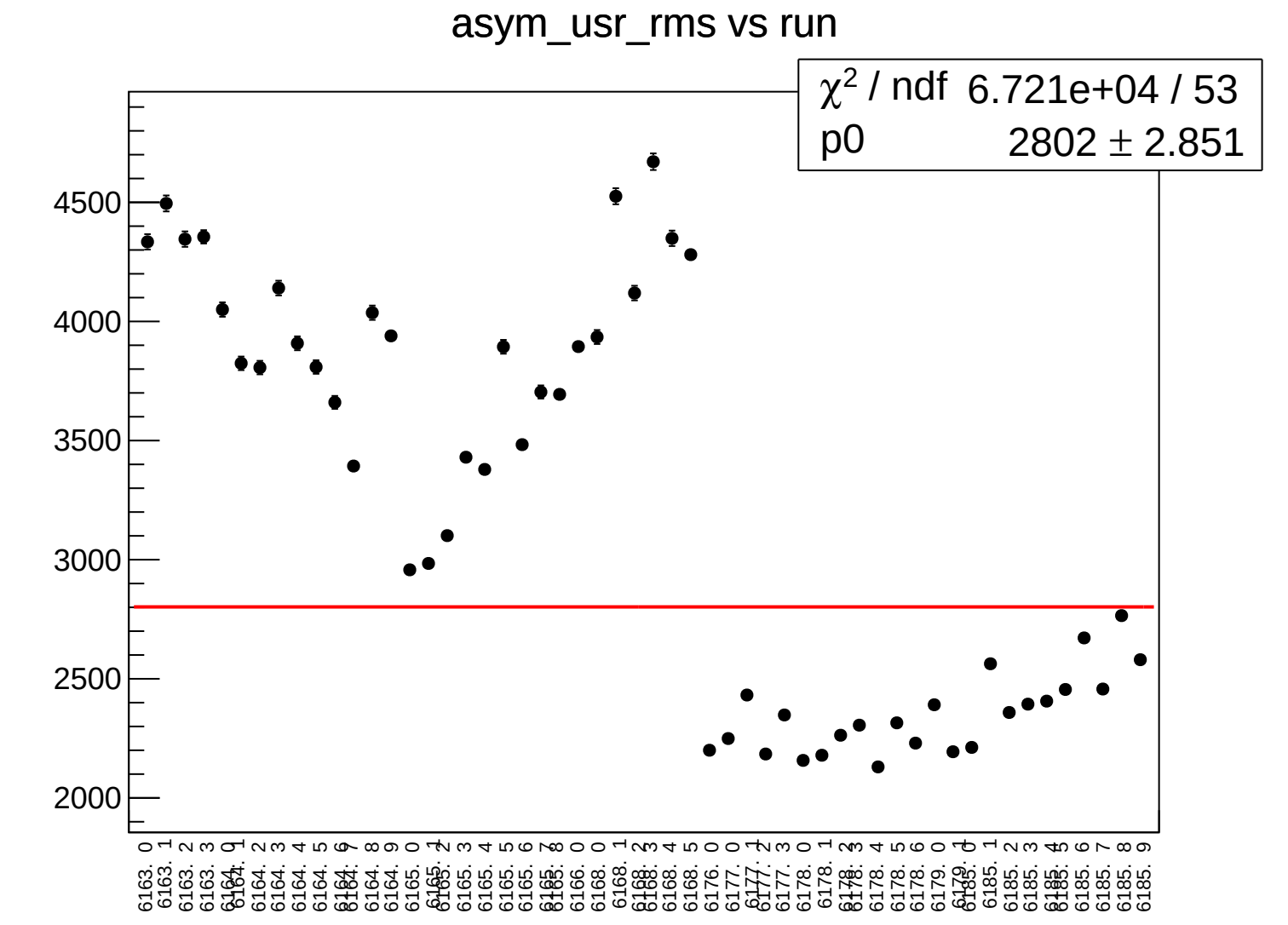

asym_usr_eigen_dit_correction_mean vs run
×10^3
χ^2 / ndf 56.39 / 53
p0 −6377 ± 3697
100
50
0
−50
−100
pull
Entries 54
Mean 3.682
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

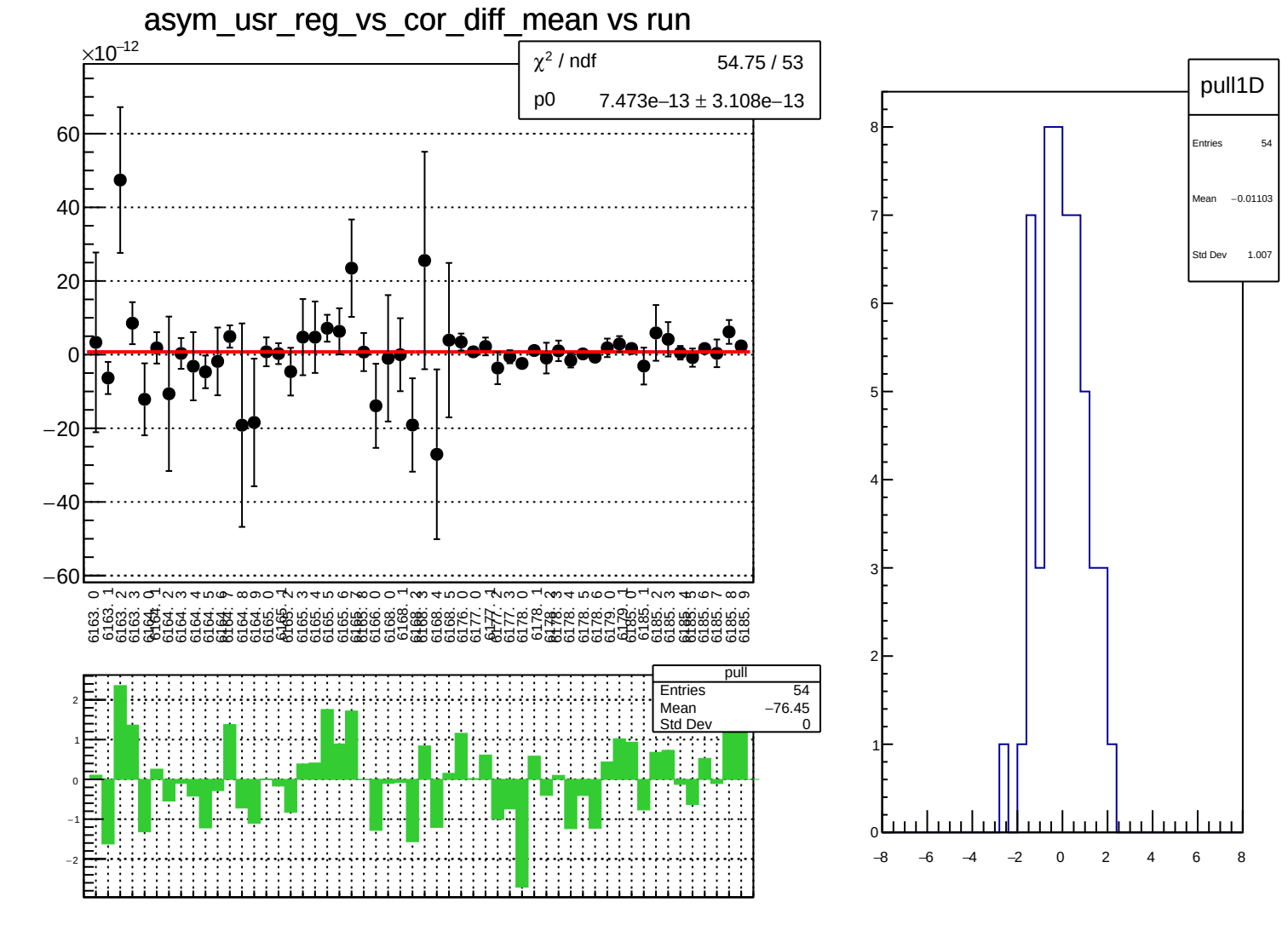

pull1D
Entries 54
Mean −0.02442
Std Dev 1.022
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

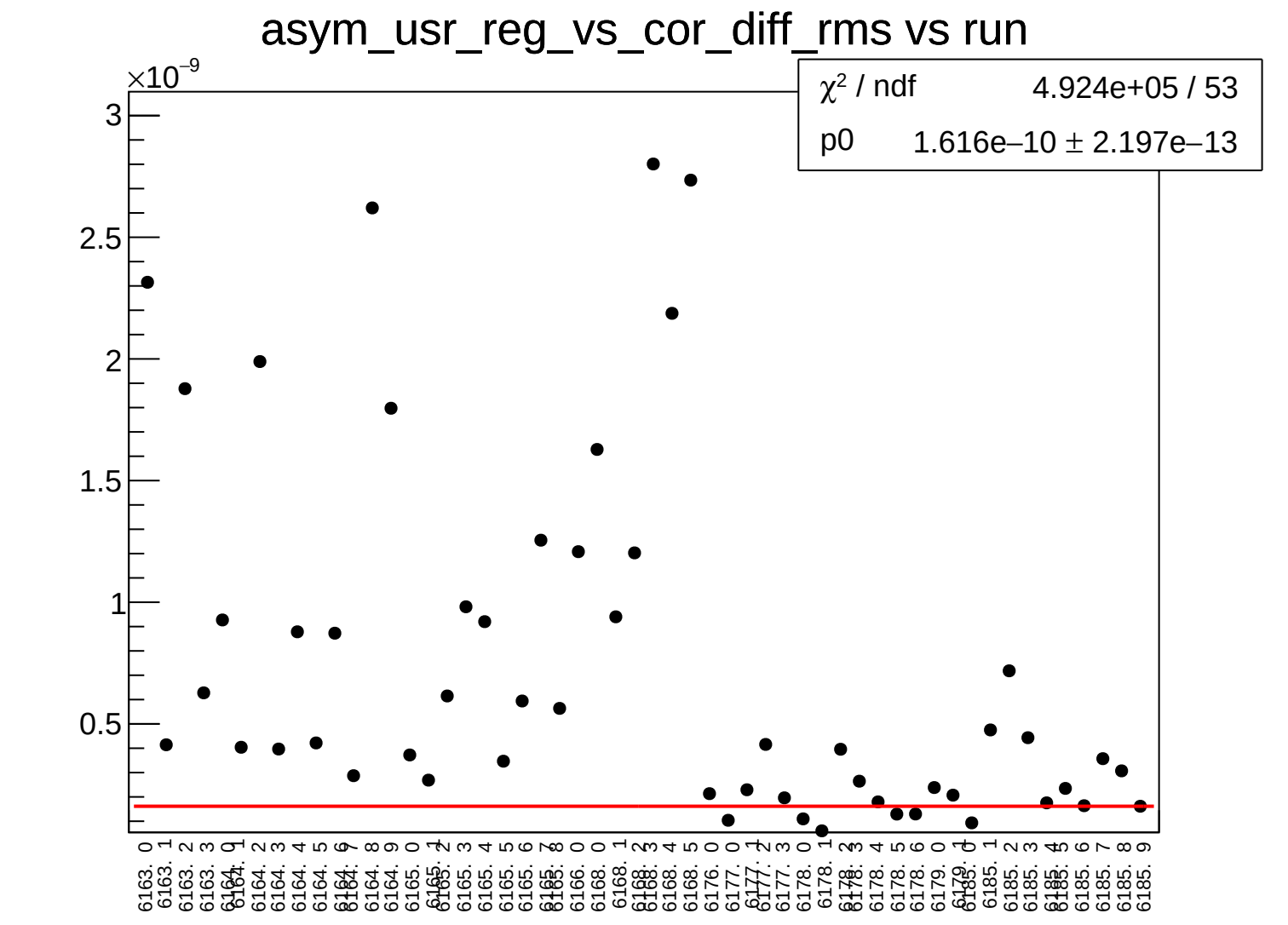

asym_usr_eigen_dit_correction_rms vs run
χ² / ndf 8.468e+04 / 53
p0 2546 ± 2.615
4500
4000
3500
3000
2500
2000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

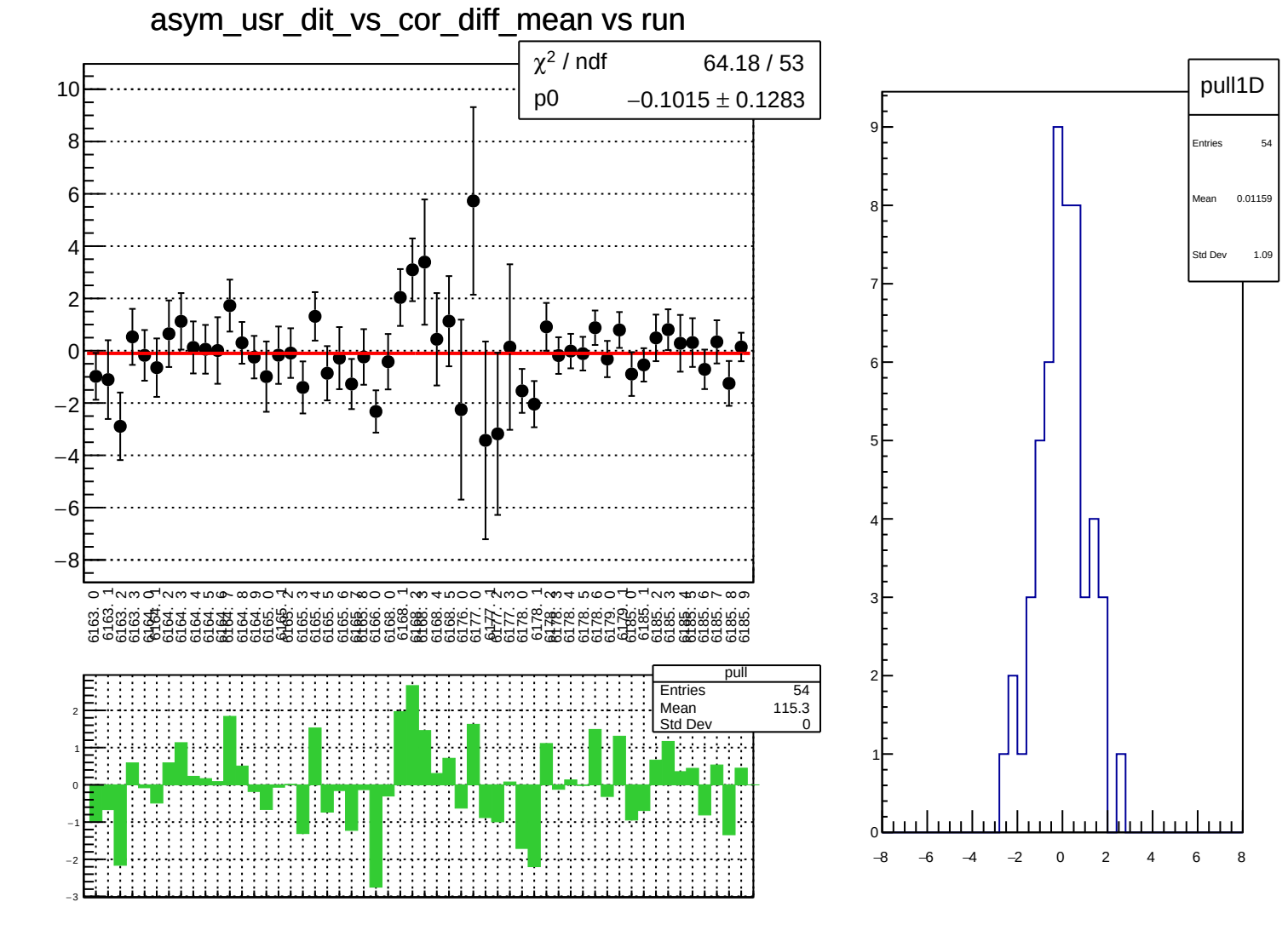

asym_usr_mean vs run
×10^3
χ² / ndf 51.4 / 53
p0 8821 ± 4032
pull
Entries 54
Mean 13.63
Std Dev 23.92

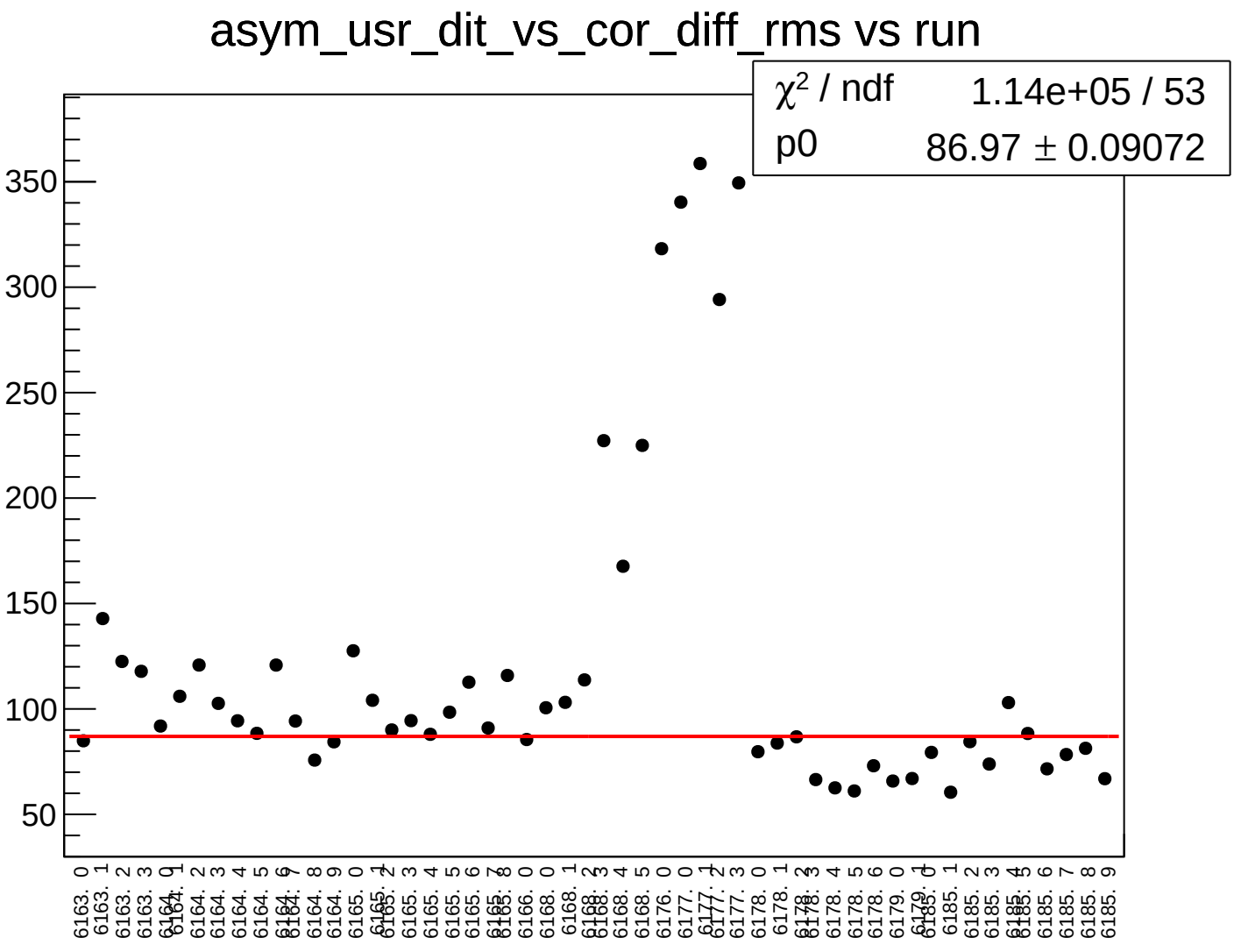

pull1D
Entries 54
Mean 0.0291
Std Dev 0.9752

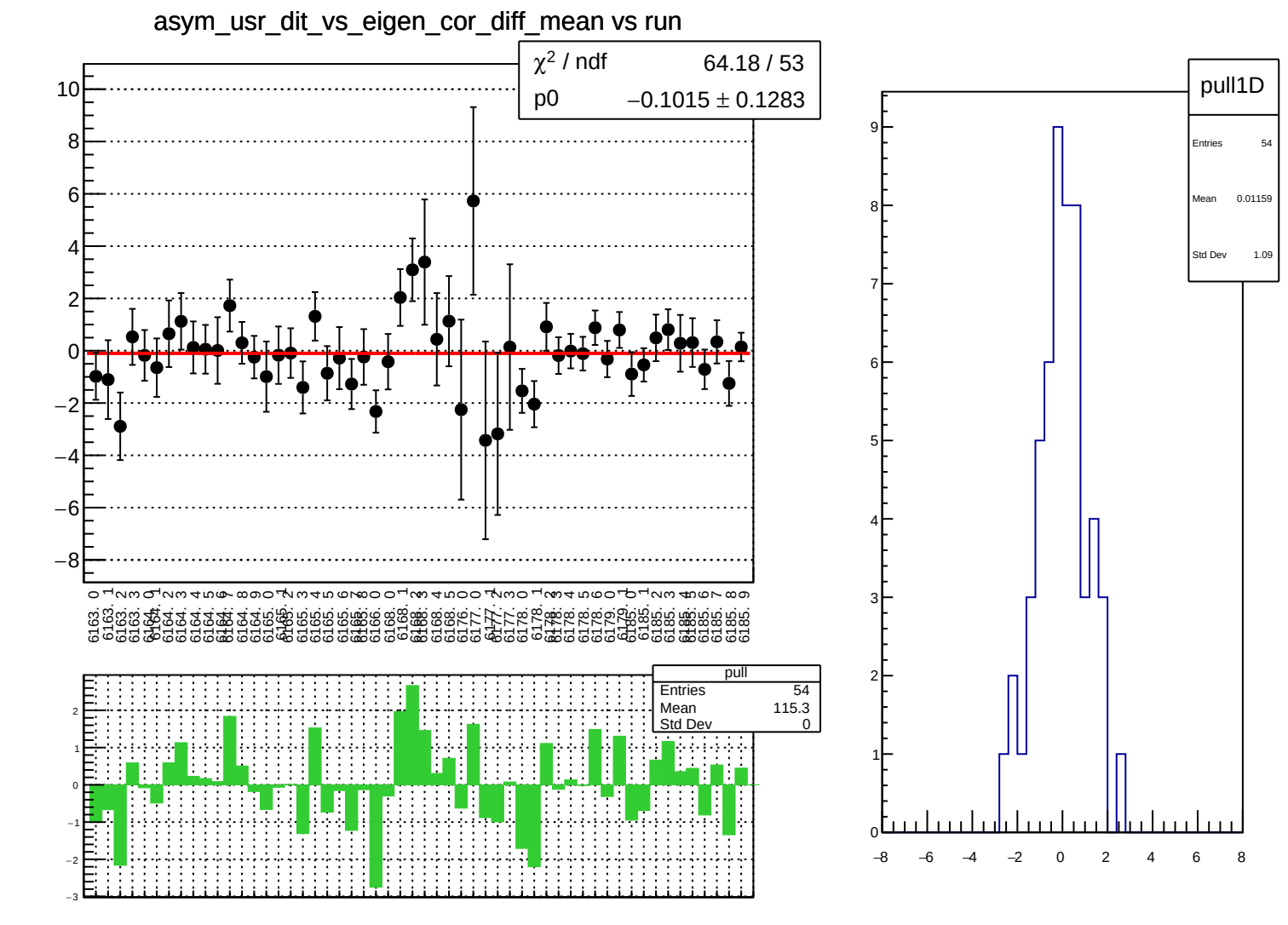

asym_usr_rms vs run
χ² / ndf 6.721e+04 / 53
p0 2802 ± 2.851
4500
4000
3500
3000
2500
2000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

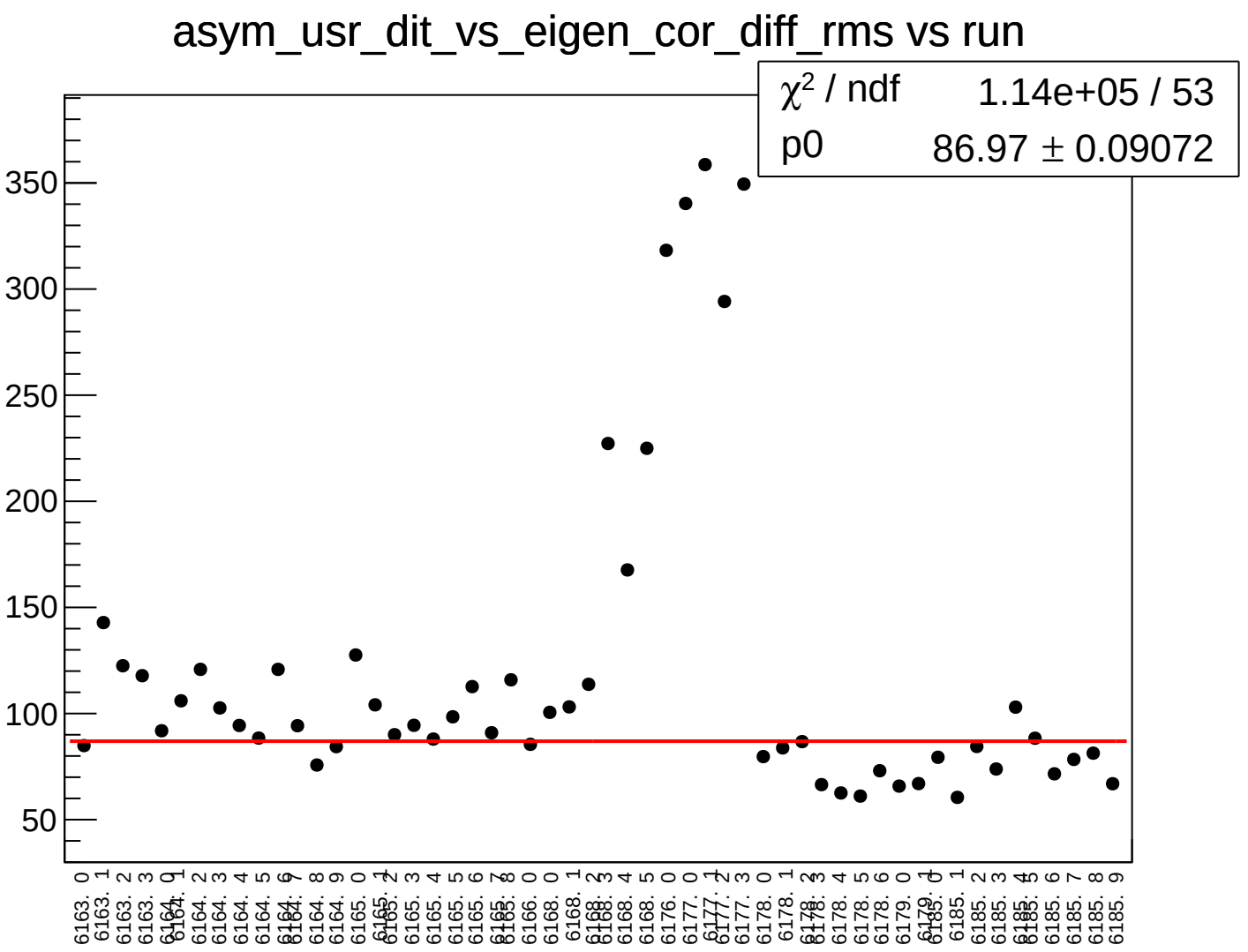

asym_usr_reg_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 54.75 / 53
p0 7.473e−13 ± 3.108e−13
pull
Entries 54
Mean −76.45
Std Dev 0
pull1D
Entries 54
Mean −0.01103
Std Dev 1.007

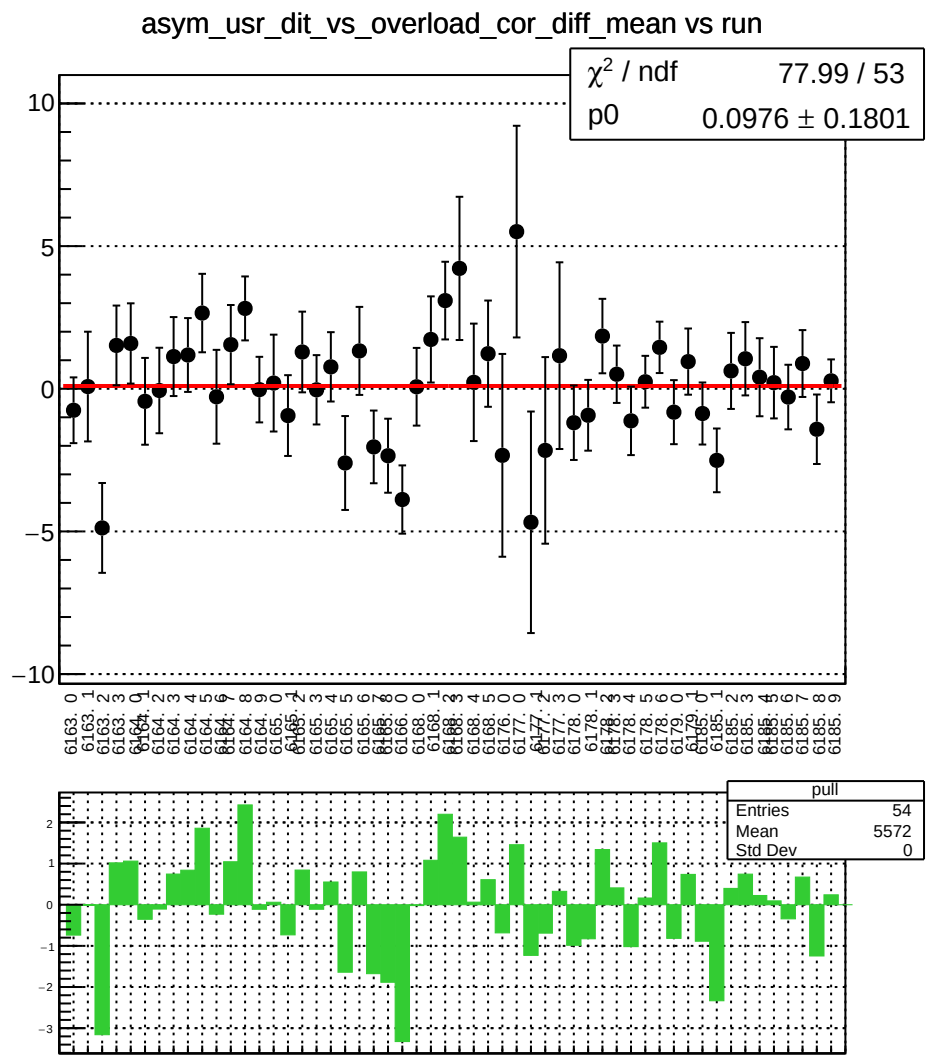

asym_usr_reg_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.924e+05 / 53
p0 1.616e−10 ± 2.197e−13
3
2.5
2
1.5
1
0.5
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

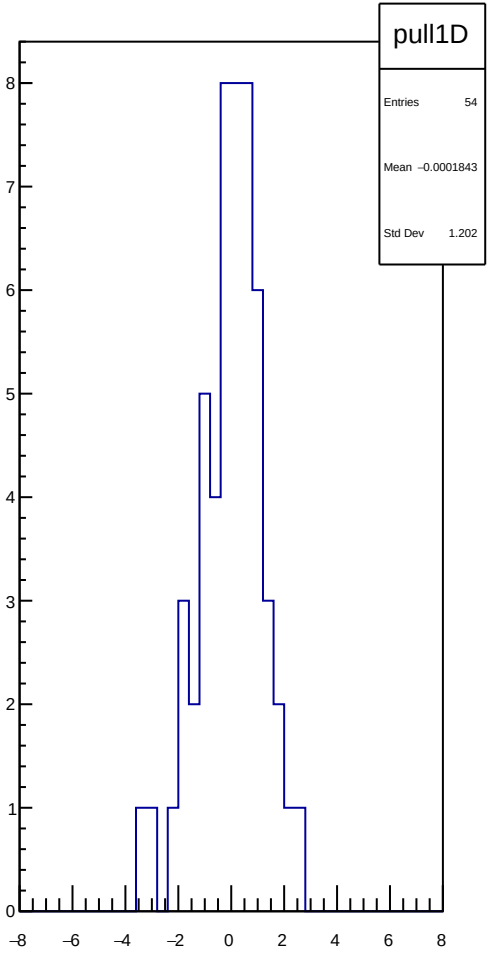

asym_usr_dit_vs_cor_diff_mean vs run
χ² / ndf 64.18 / 53
p0 −0.1015 ± 0.1283
pull
Entries 54
Mean 115.3
Std Dev 0
pull1D
Entries 54
Mean 0.01159
Std Dev 1.09

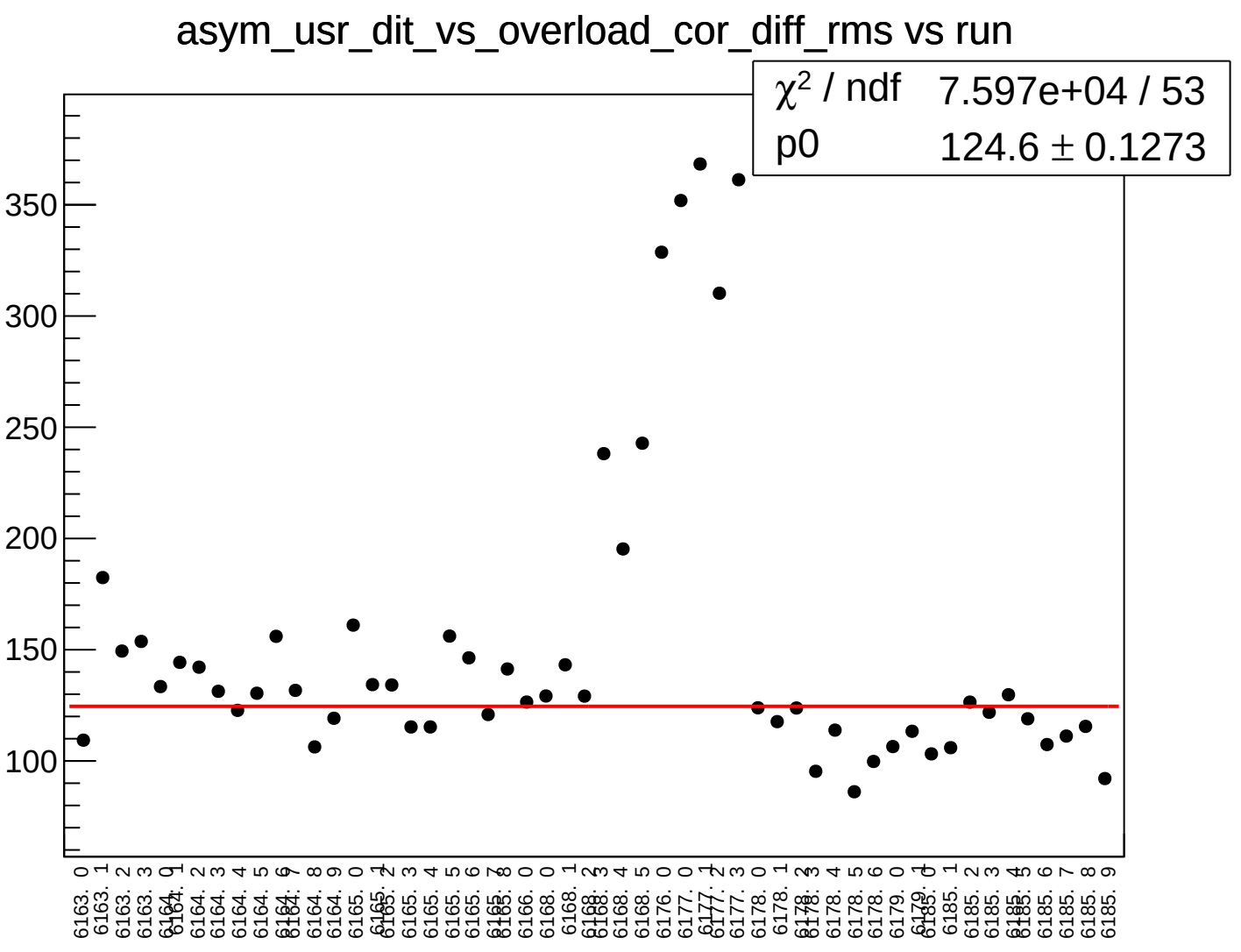

asym_usr_dit_vs_cor_diff_rms vs run
χ² / ndf 1.14e+05 / 53
p0 86.97 ± 0.09072
350
300
250
200
150
100
50
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

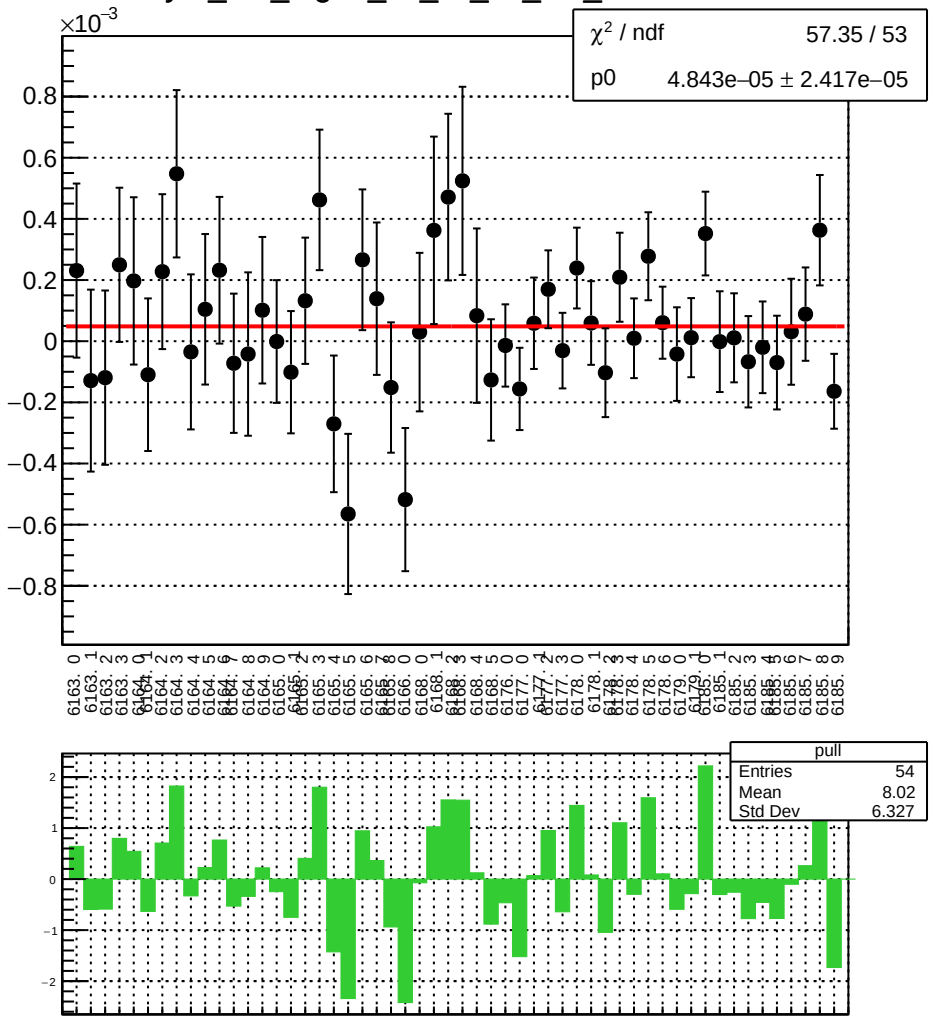

asym_usr_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 64.18 / 53
p0 −0.1015 ± 0.1283
pull
Entries 54
Mean 115.3
Std Dev 0
pull1D
Entries 54
Mean 0.01159
Std Dev 1.09

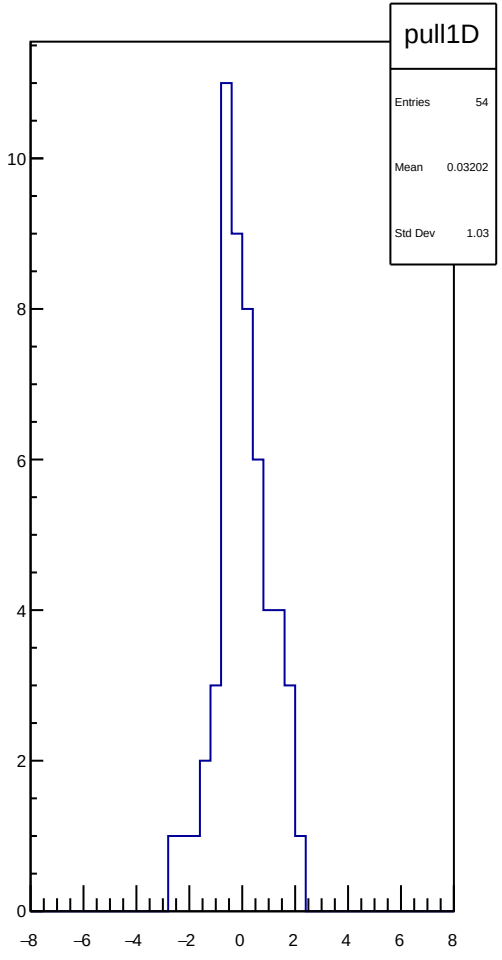

asym_usr_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.14e+05 / 53
p0 86.97 ± 0.09072
350
300
250
200
150
100
50
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

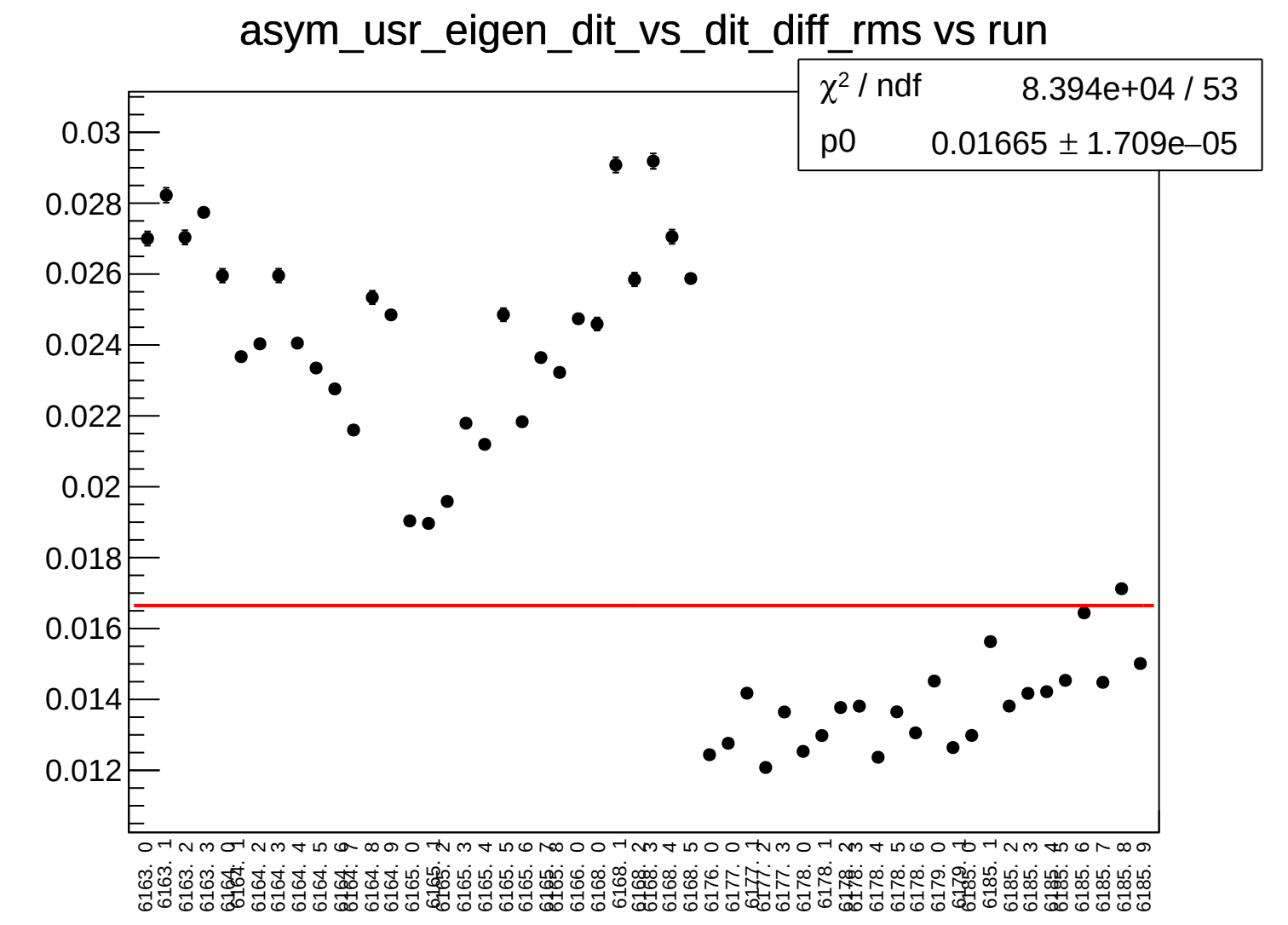

asym_usr_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 77.99 / 53
p0 0.0976 ± 0.1801
pull
Entries 54
Mean 5572
Std Dev 0

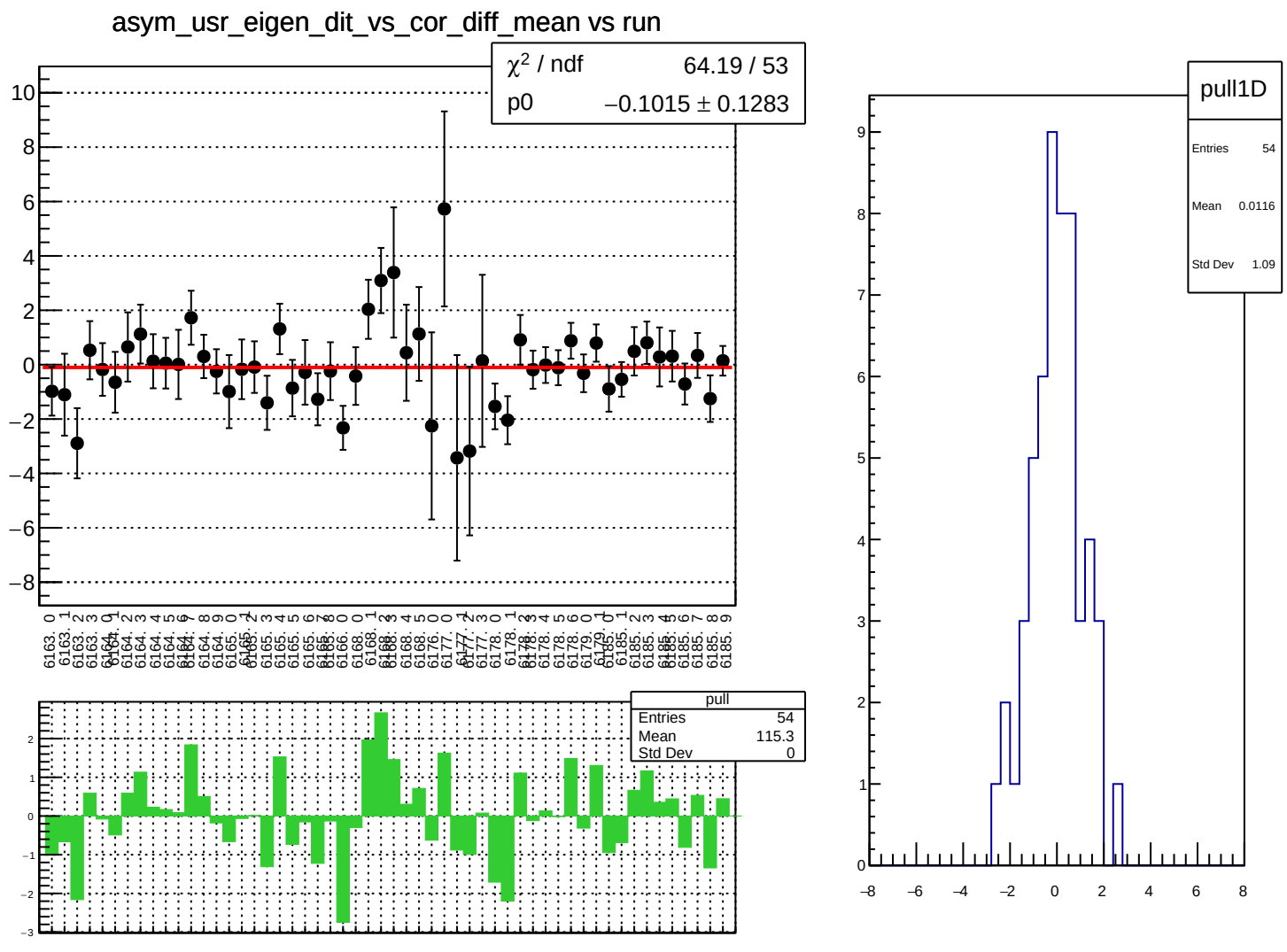

pull1D
Entries 54
Mean −0.0001843
Std Dev 1.202

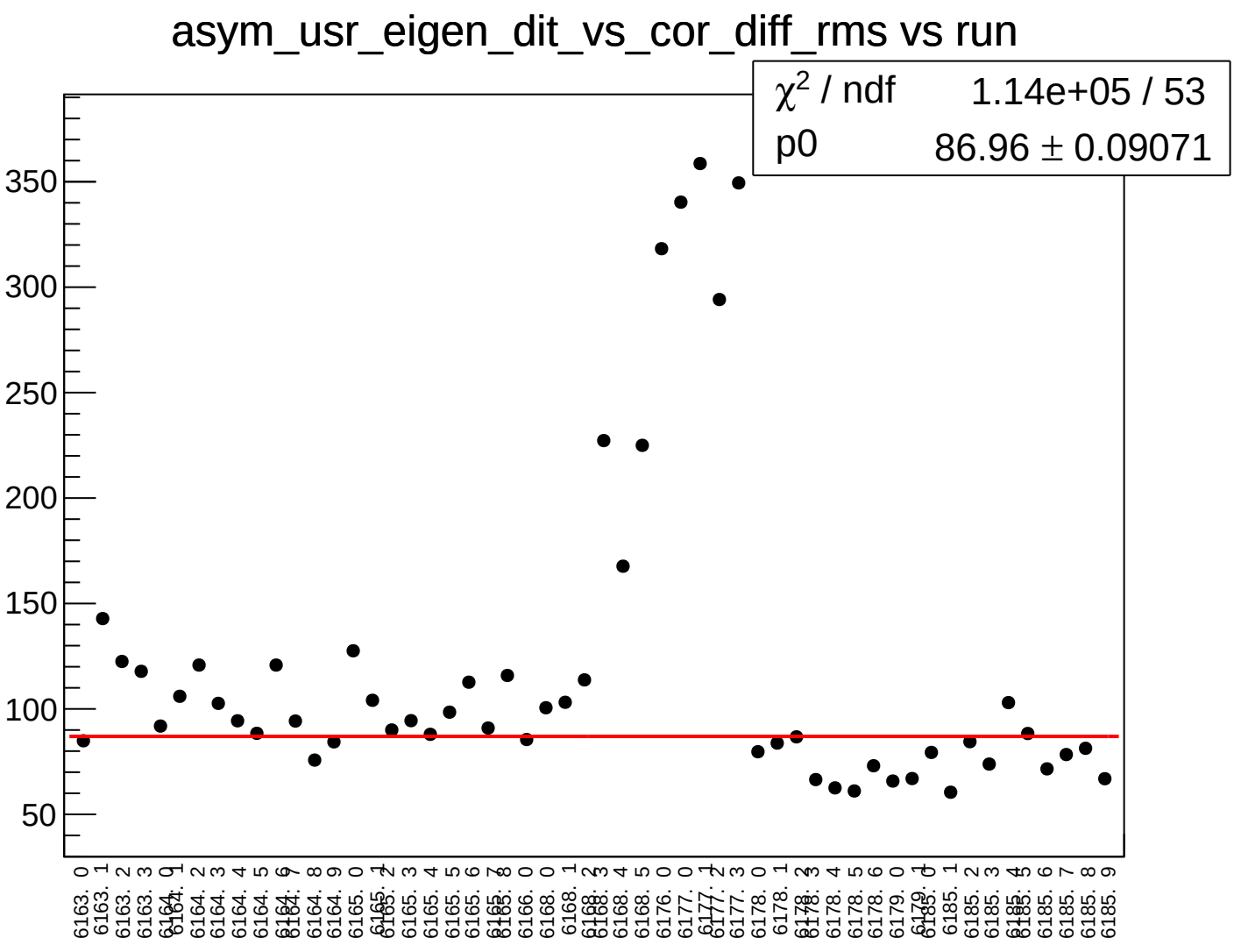

asym_usr_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 7.597e+04 / 53
p0 124.6 ± 0.1273
350
300
250
200
150
100
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

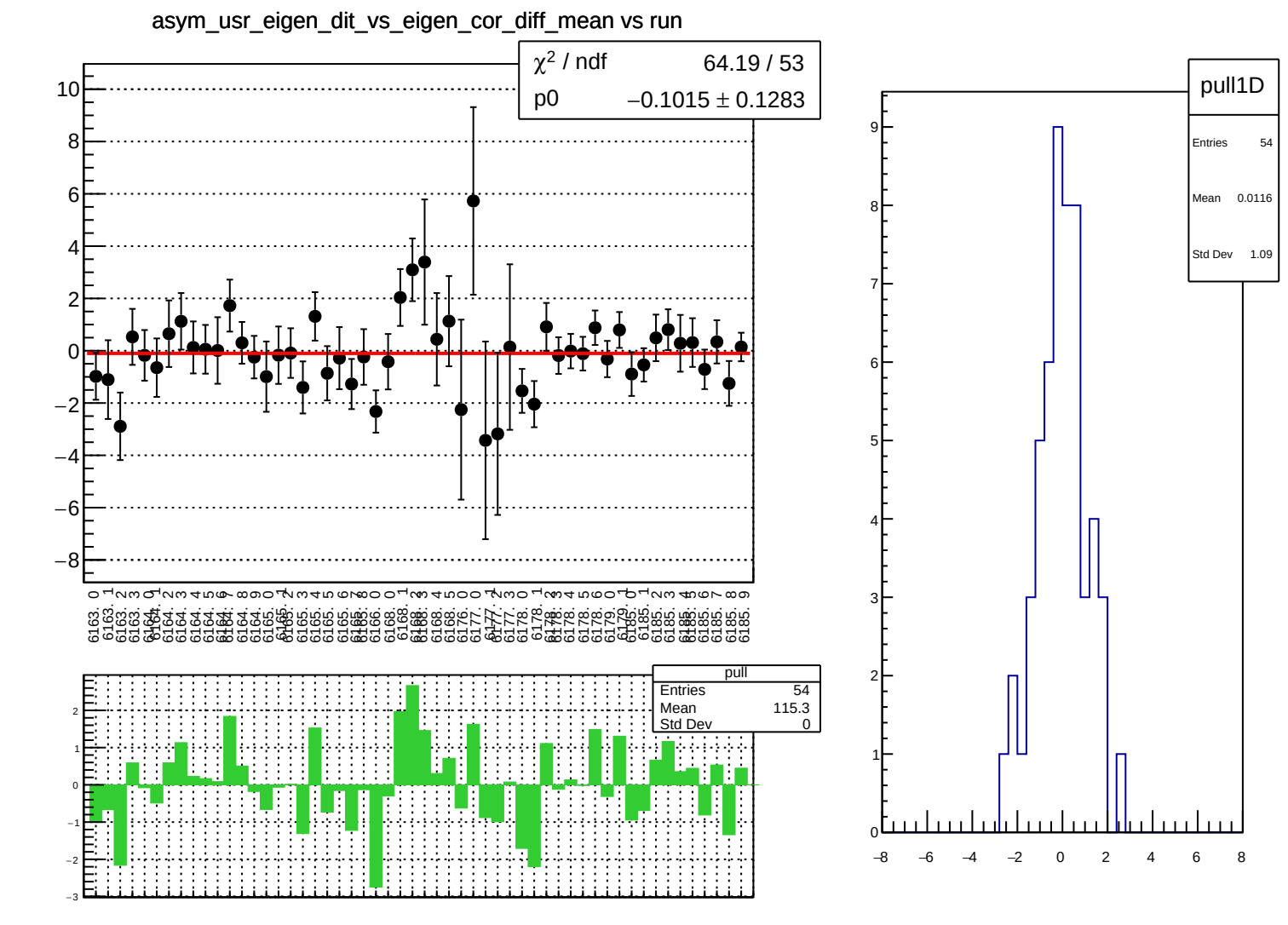

asym_usr_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 57.35 / 53
p0 4.843e−05 ± 2.417e−05
pull
Entries 54
Mean 8.02
Std Dev 6.327

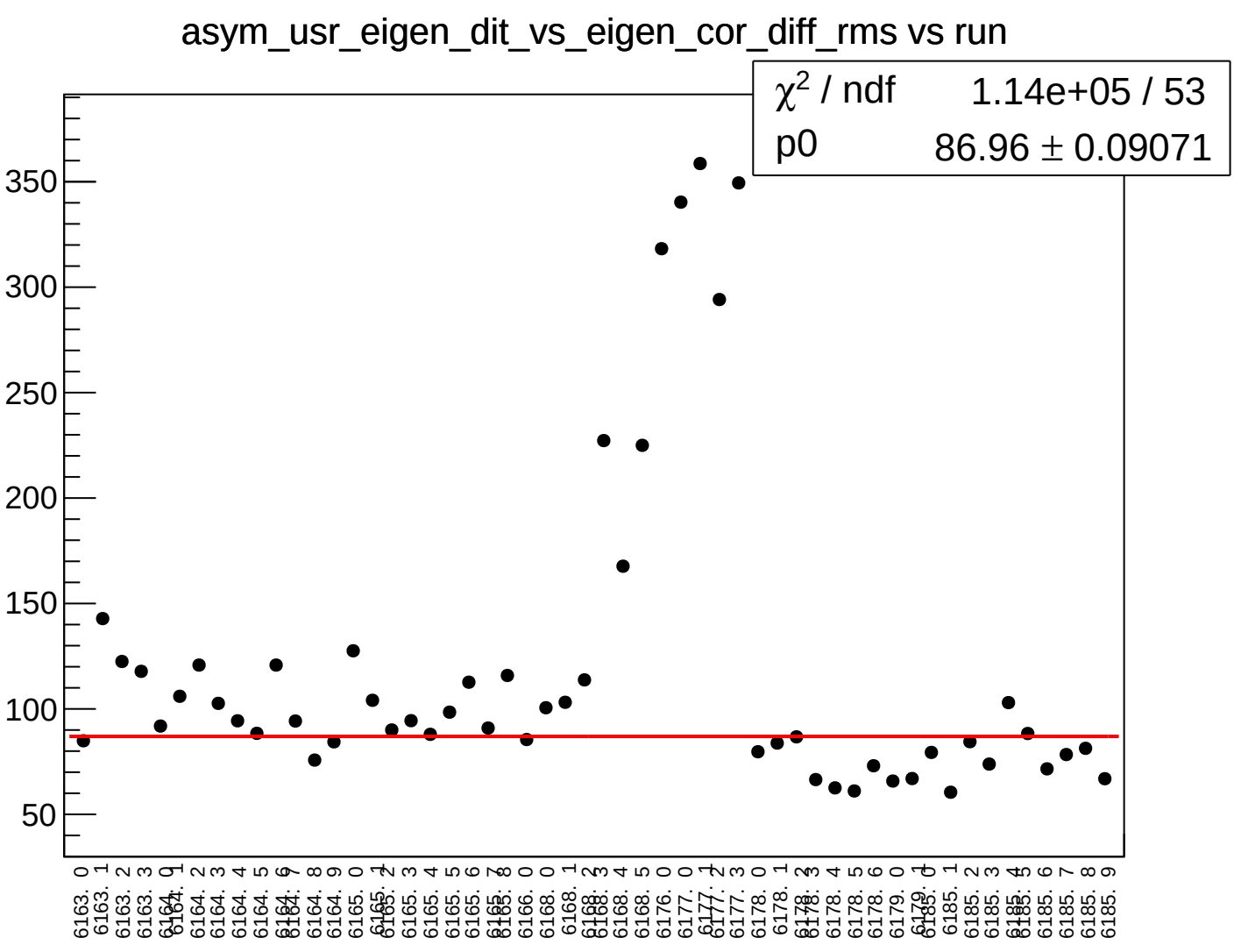

pull1D
Entries 54
Mean 0.03202
Std Dev 1.03

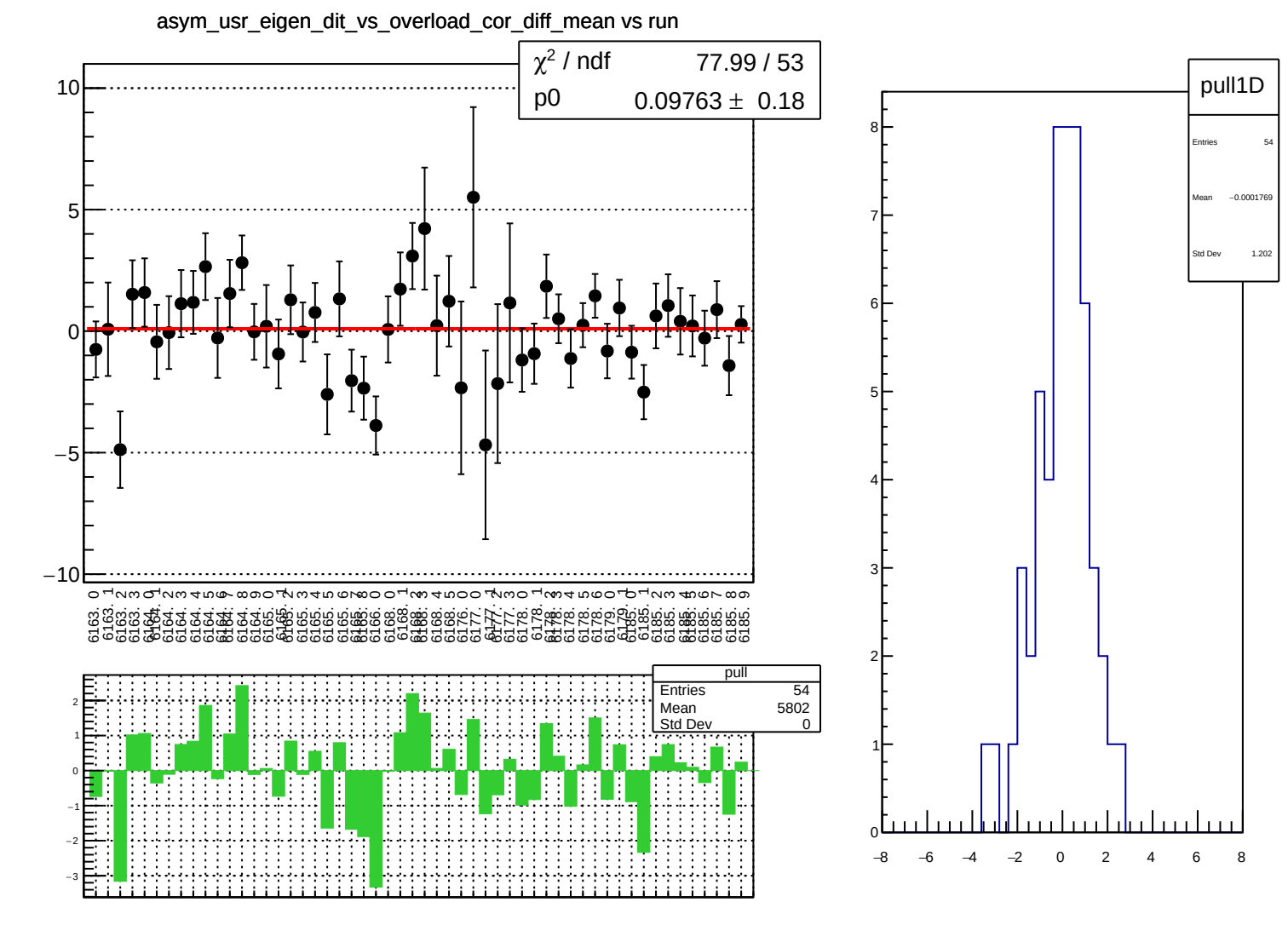

asym_usr_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 8.394e+04 / 53
p0 0.01665 ± 1.709e−05
0.03
0.028
0.026
0.024
0.022
0.02
0.018
0.016
0.014
0.012
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

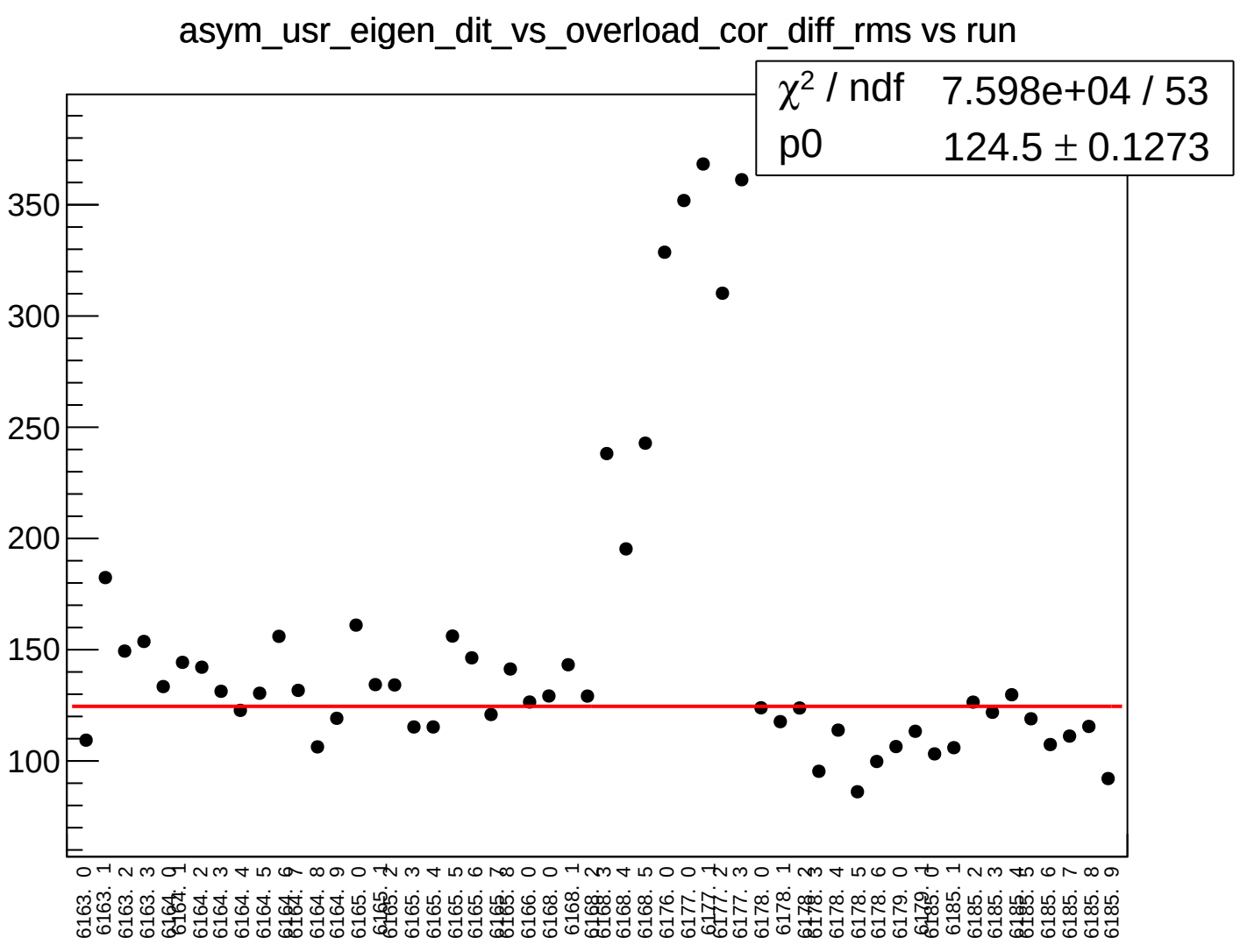

asym_usr_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 64.19 / 53
p0 −0.1015 ± 0.1283
pull
Entries 54
Mean 115.3
Std Dev 0
pull1D
Entries 54
Mean 0.0116
Std Dev 1.09

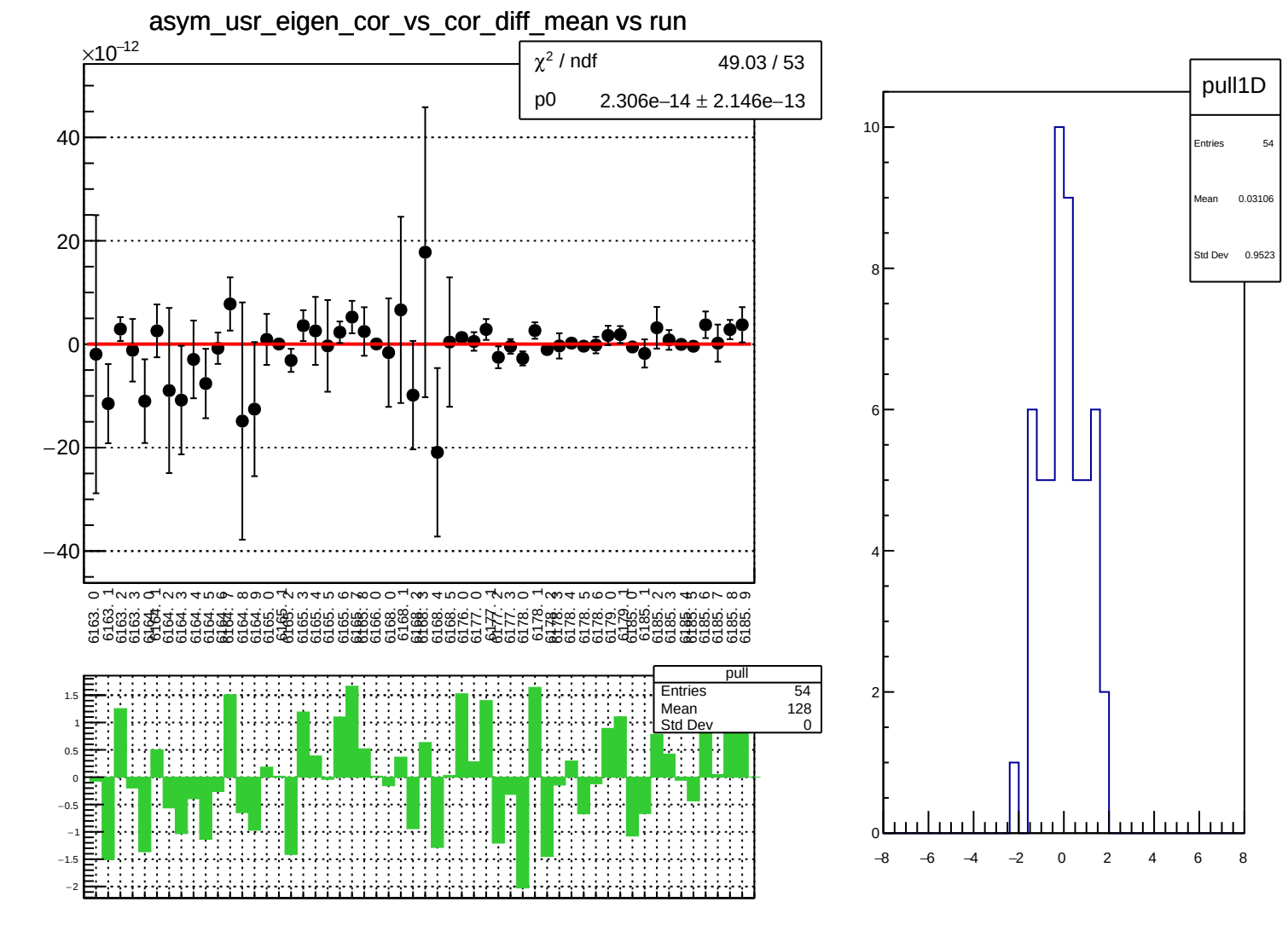

asym_usr_eigen_dit_vs_cor_diff_rms vs run
χ^2 / ndf 1.14e+05 / 53
p0 86.96 ± 0.09071
350
300
250
200
150
100
50
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

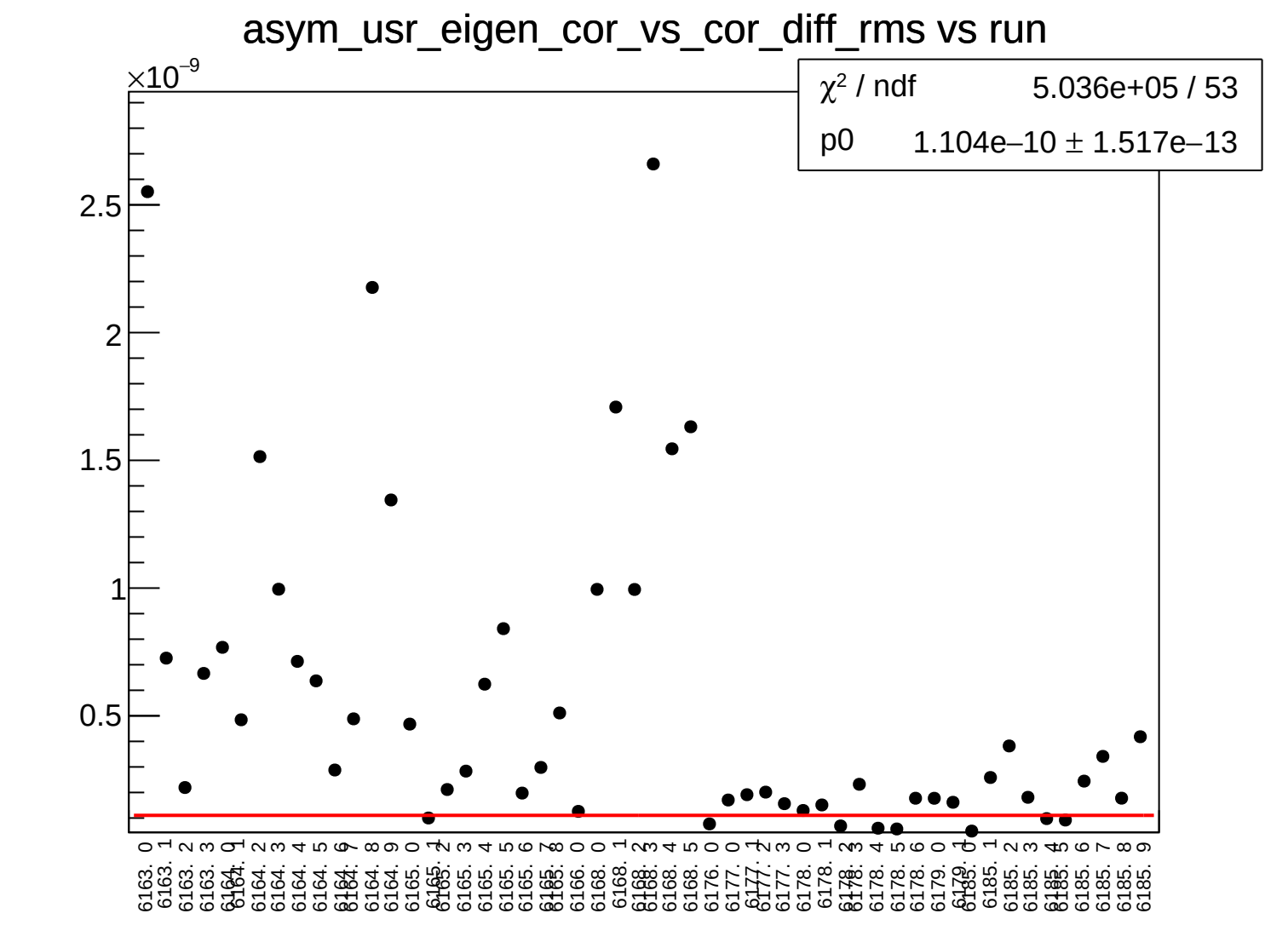

asym_usr_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 64.19 / 53
p0 −0.1015 ± 0.1283
pull
Entries 54
Mean 115.3
Std Dev 0
pull1D
Entries 54
Mean 0.0116
Std Dev 1.09

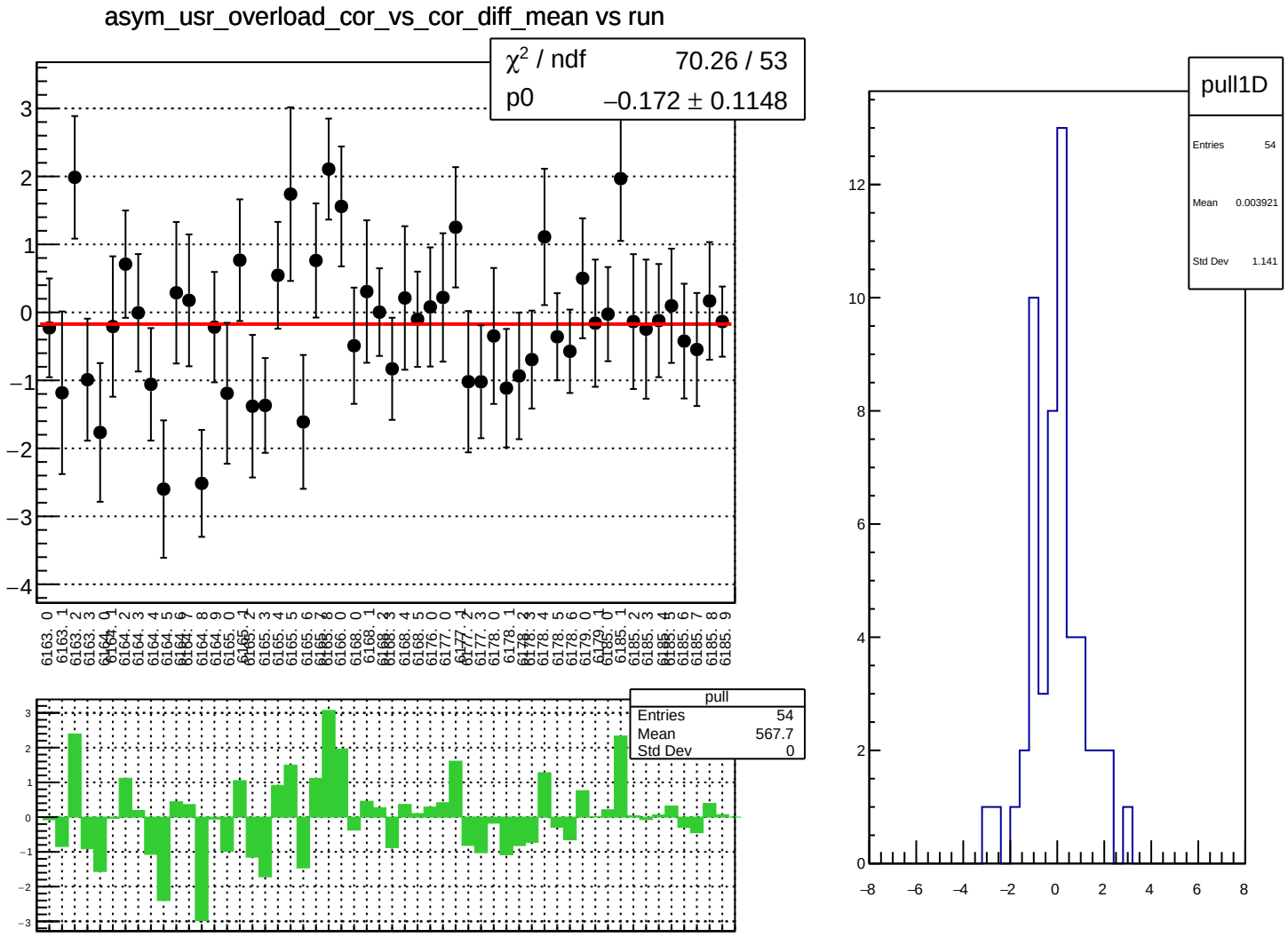

asym_usr_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.14e+05 / 53
p0 86.96 ± 0.09071
350
300
250
200
150
100
50
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

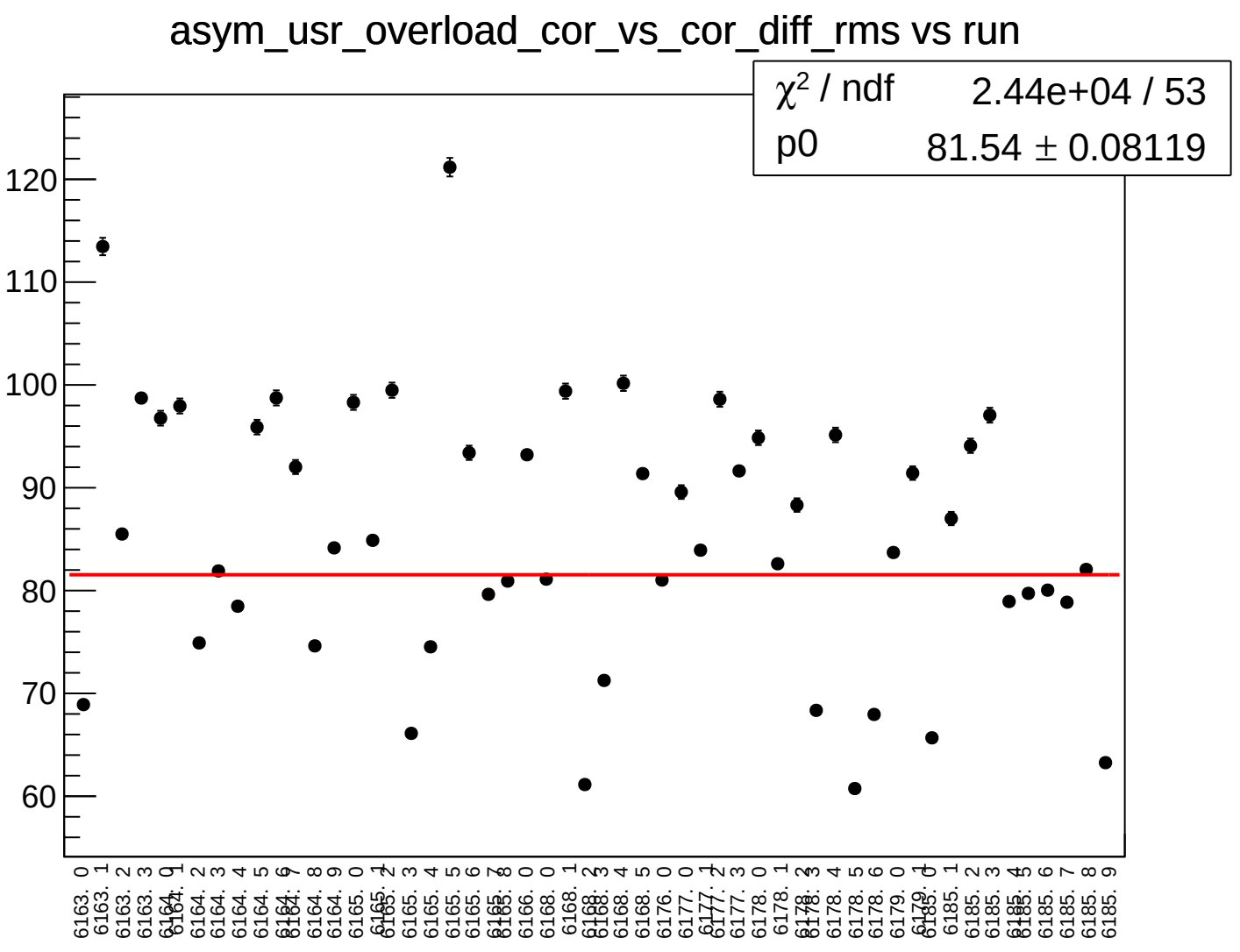

asym_usr_eigen_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 77.99 / 53
p0 0.09763 ± 0.18
pull
Entries 54
Mean 5802
Std Dev 0
pull1D
Entries 54
Mean −0.0001769
Std Dev 1.202

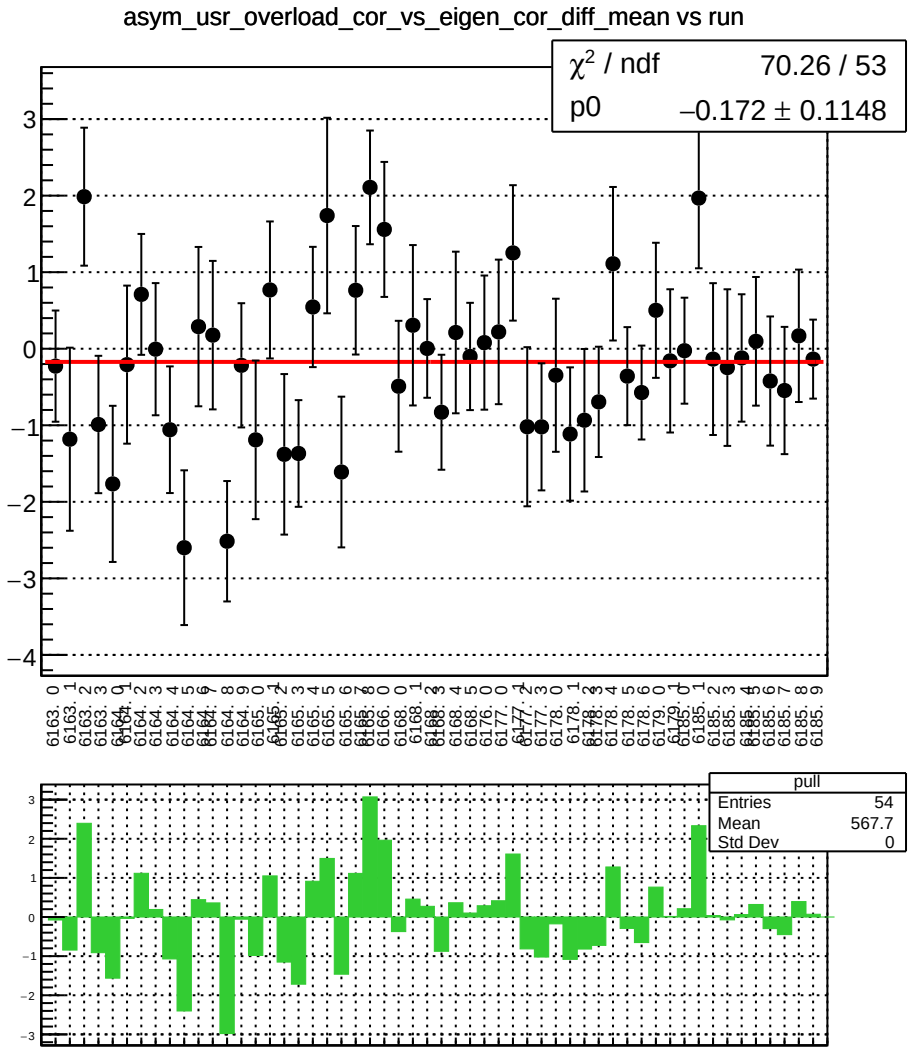

asym_usr_eigen_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 7.598e+04 / 53
p0 124.5 ± 0.1273
350
300
250
200
150
100
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

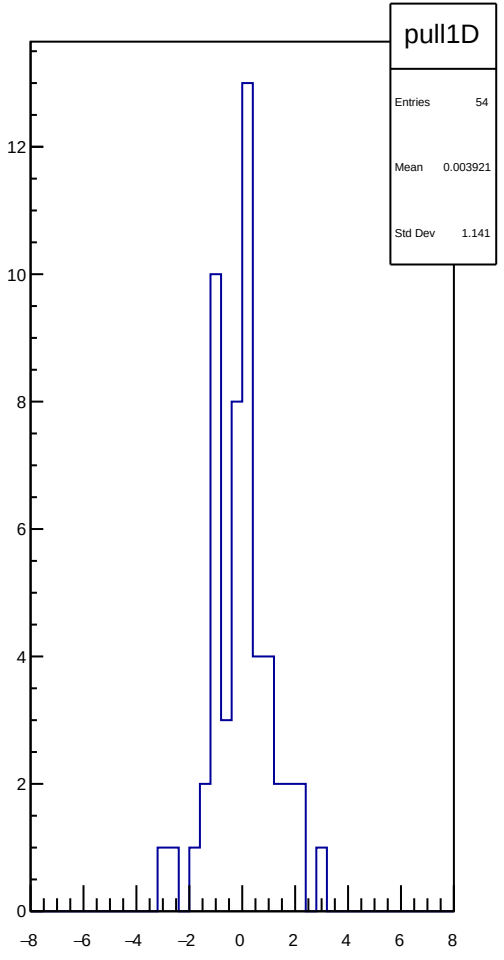

asym_usr_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 49.03 / 53
p0 2.306e−14 ± 2.146e−13
40
20
0
−20
−40
pull
Entries 54
Mean 128
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 54
Mean 0.03106
Std Dev 0.9523
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

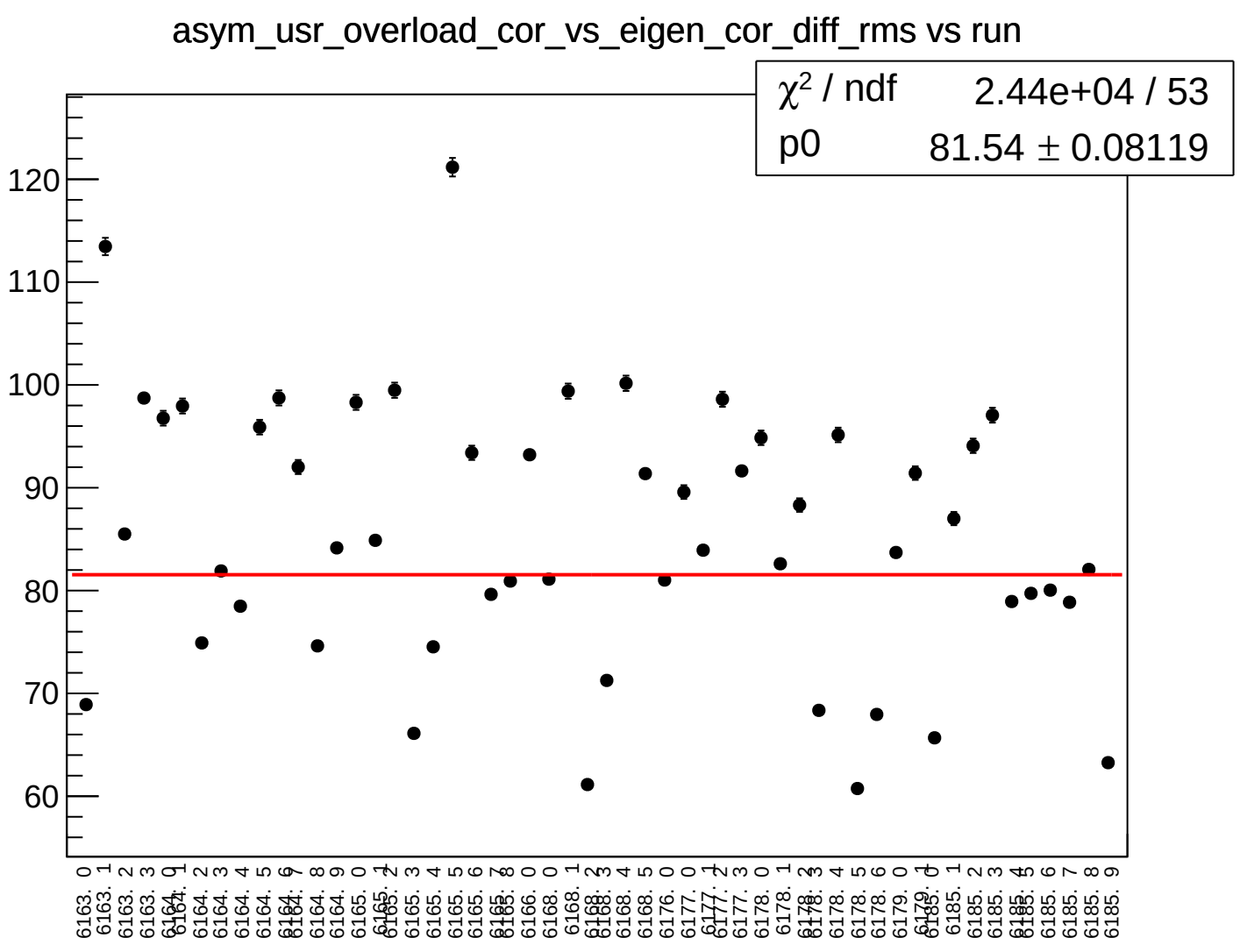

asym_usr_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.036e+05 / 53
p0 1.104e−10 ± 1.517e−13
2.5
2
1.5
1
0.5
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


asym_usr_overload_cor_vs_cor_diff_mean vs run
χ² / ndf 70.26 / 53
p0 −0.172 ± 0.1148
pull
Entries 54
Mean 567.7
Std Dev 0
pull1D
Entries 54
Mean 0.003921
Std Dev 1.141


asym_usr_overload_cor_vs_cor_diff_rms vs run
χ² / ndf 2.44e+04 / 53
p0 81.54 ± 0.08119
120
110
100
90
80
70
60
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


asym_usr_overload_cor_vs_eigen_cor_diff_mean vs run
χ² / ndf 70.26 / 53
p0 −0.172 ± 0.1148
pull
Entries 54
Mean 567.7
Std Dev 0


pull1D
Entries 54
Mean 0.003921
Std Dev 1.141


asym_usr_overload_cor_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.44e+04 / 53
p0 81.54 ± 0.08119
120
110
100
90
80
70
60
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
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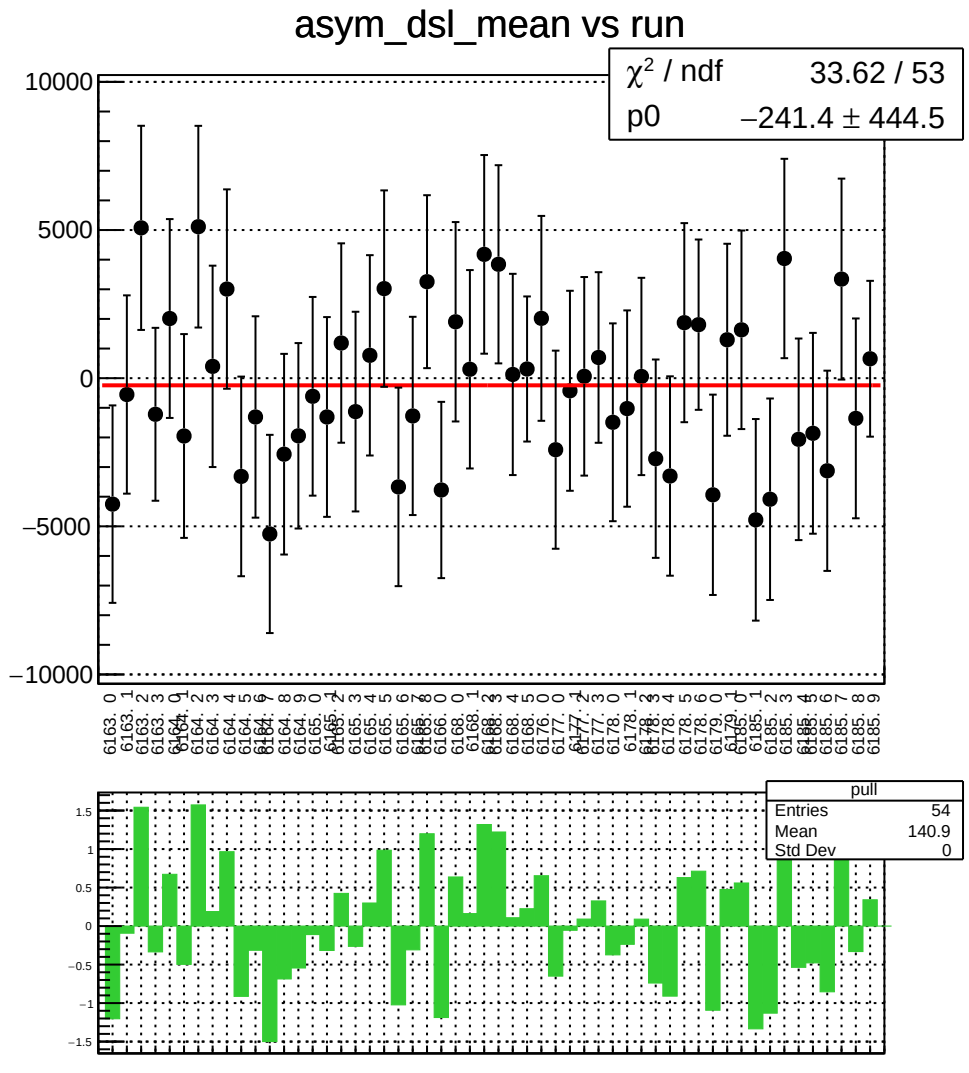
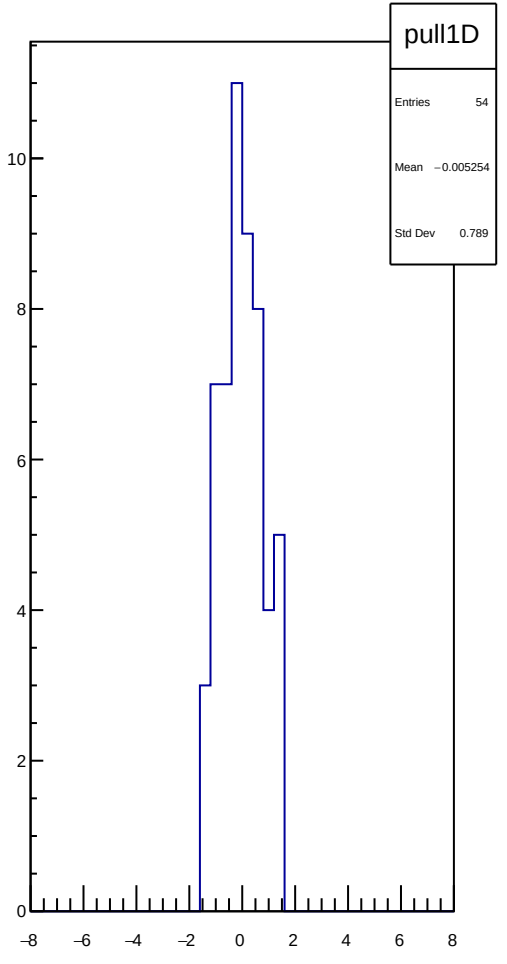
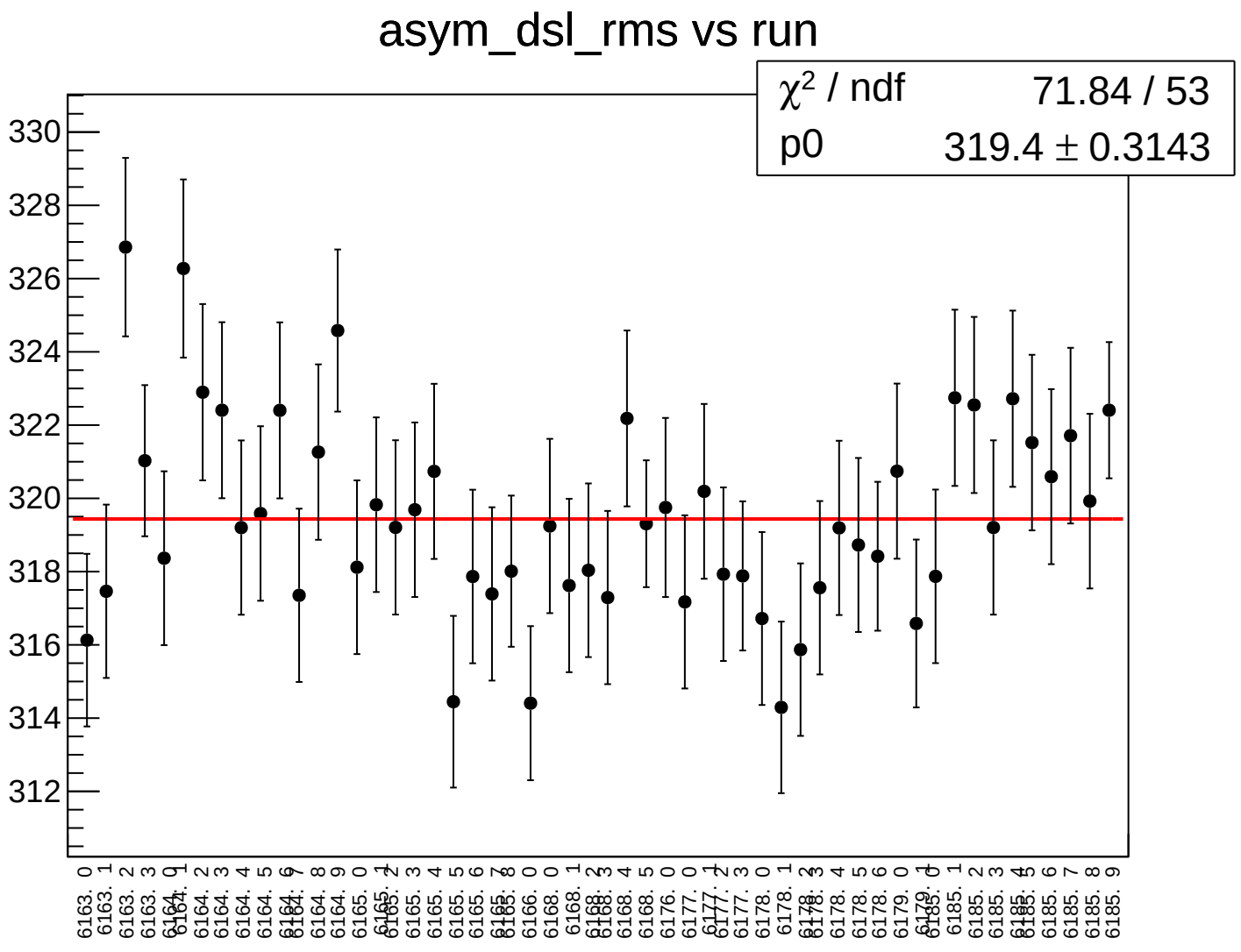
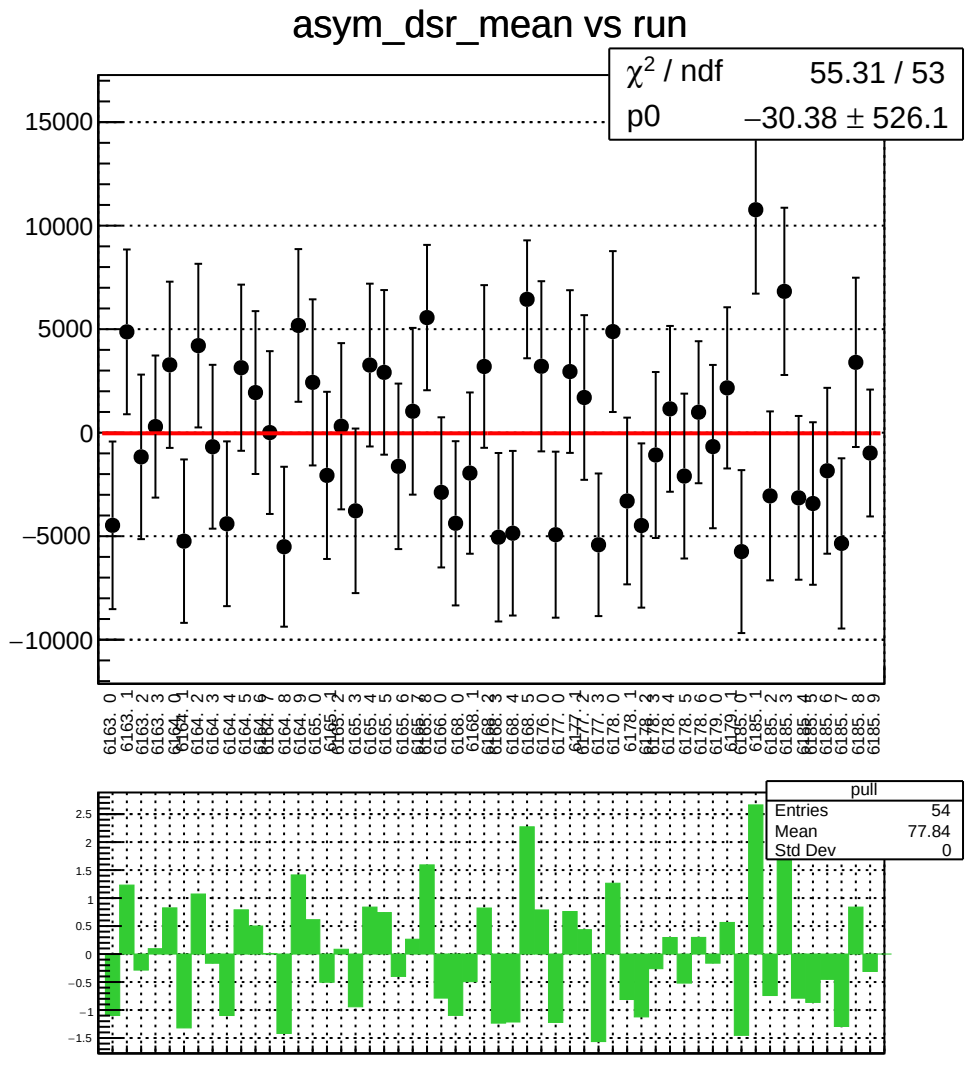
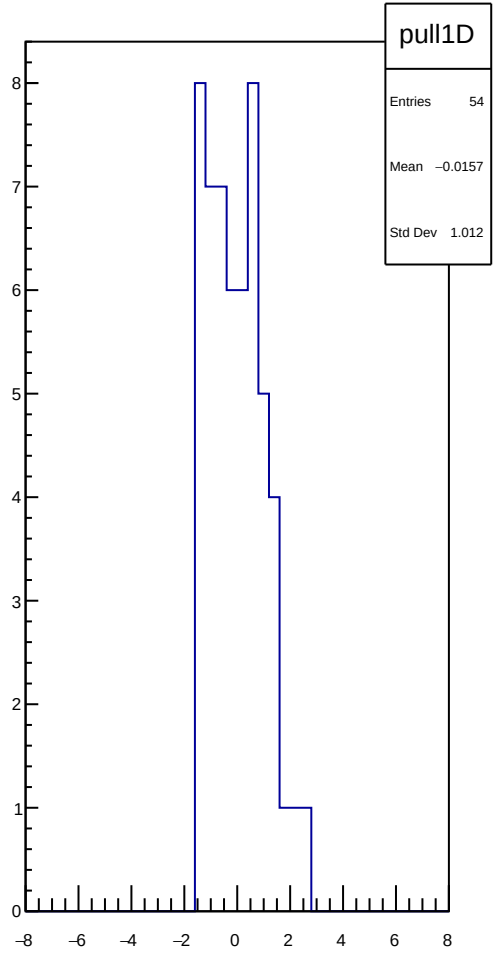
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

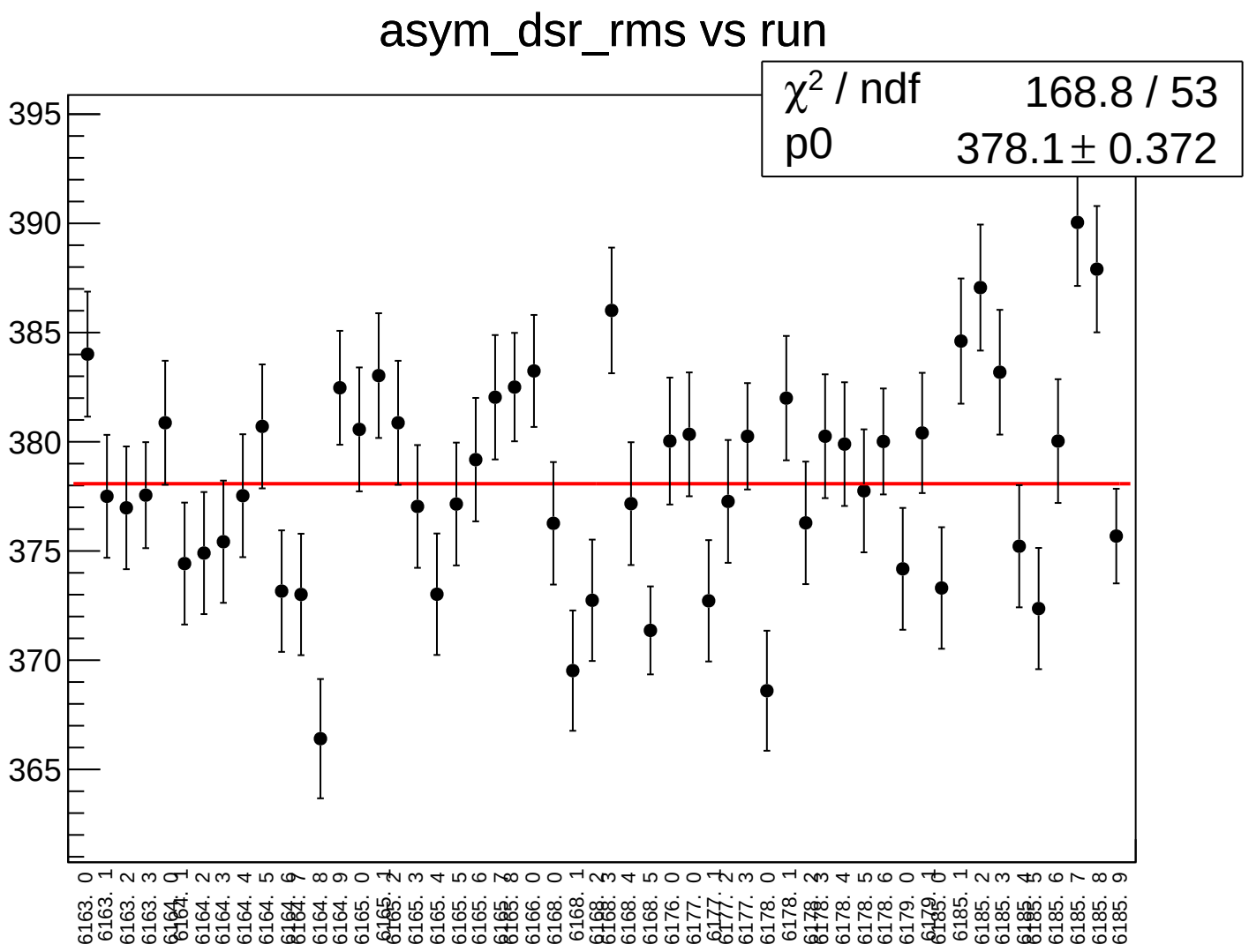

asym_dsl_mean vs run
χ² / ndf 33.62 / 53
p0 −241.4 ± 444.5
10000
5000
0
−5000
−10000
pull
Entries 54
Mean 140.9
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

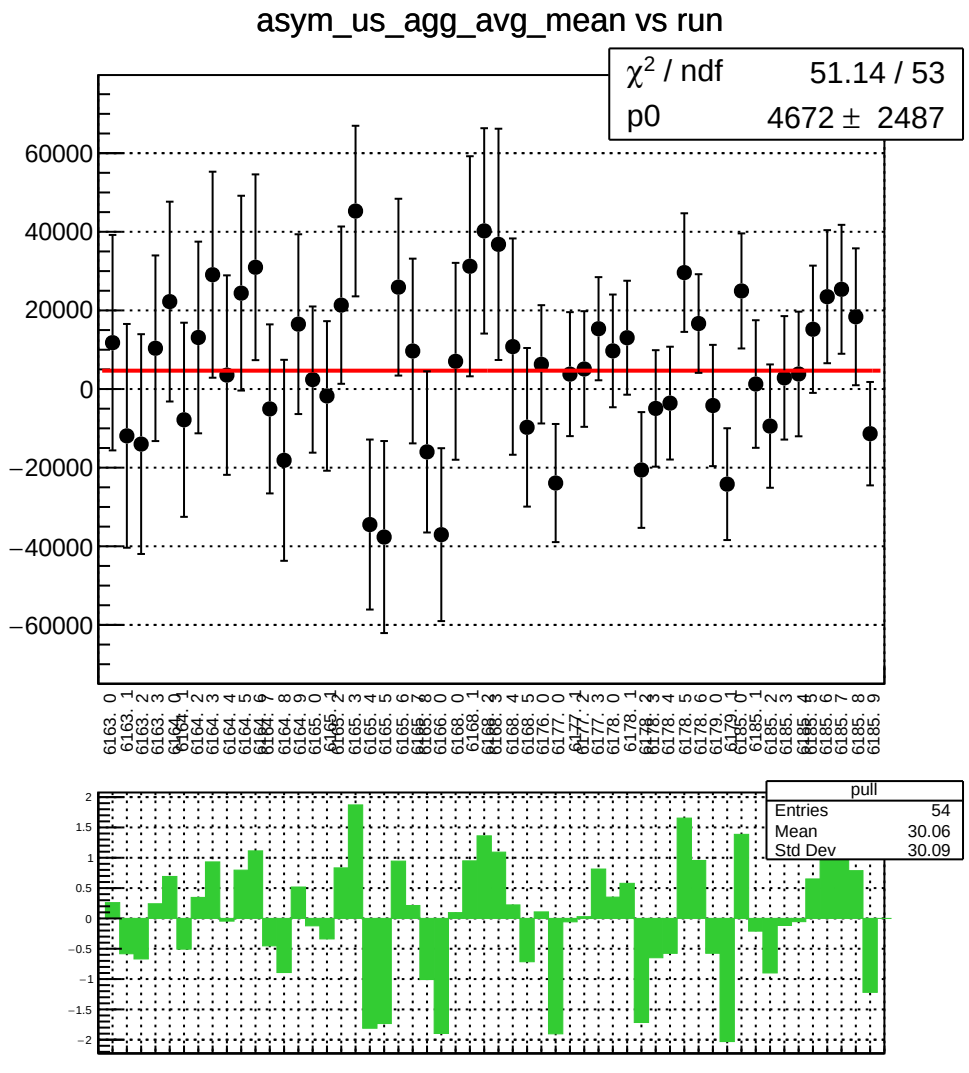

pull1D
Entries 54
Mean −0.005254
Std Dev 0.789
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

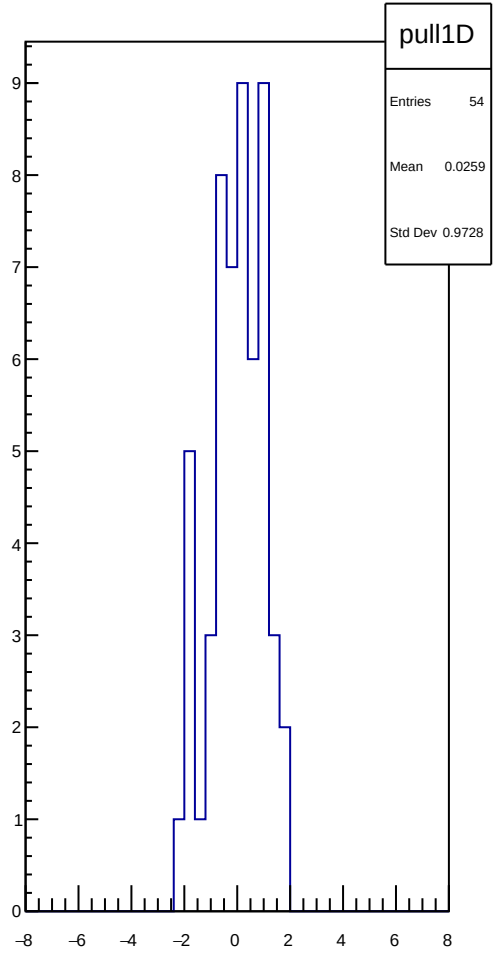

asym_dsl_rms vs run
χ² / ndf 71.84 / 53
p0 319.4 ± 0.3143
330
328
326
324
322
320
318
316
314
312
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

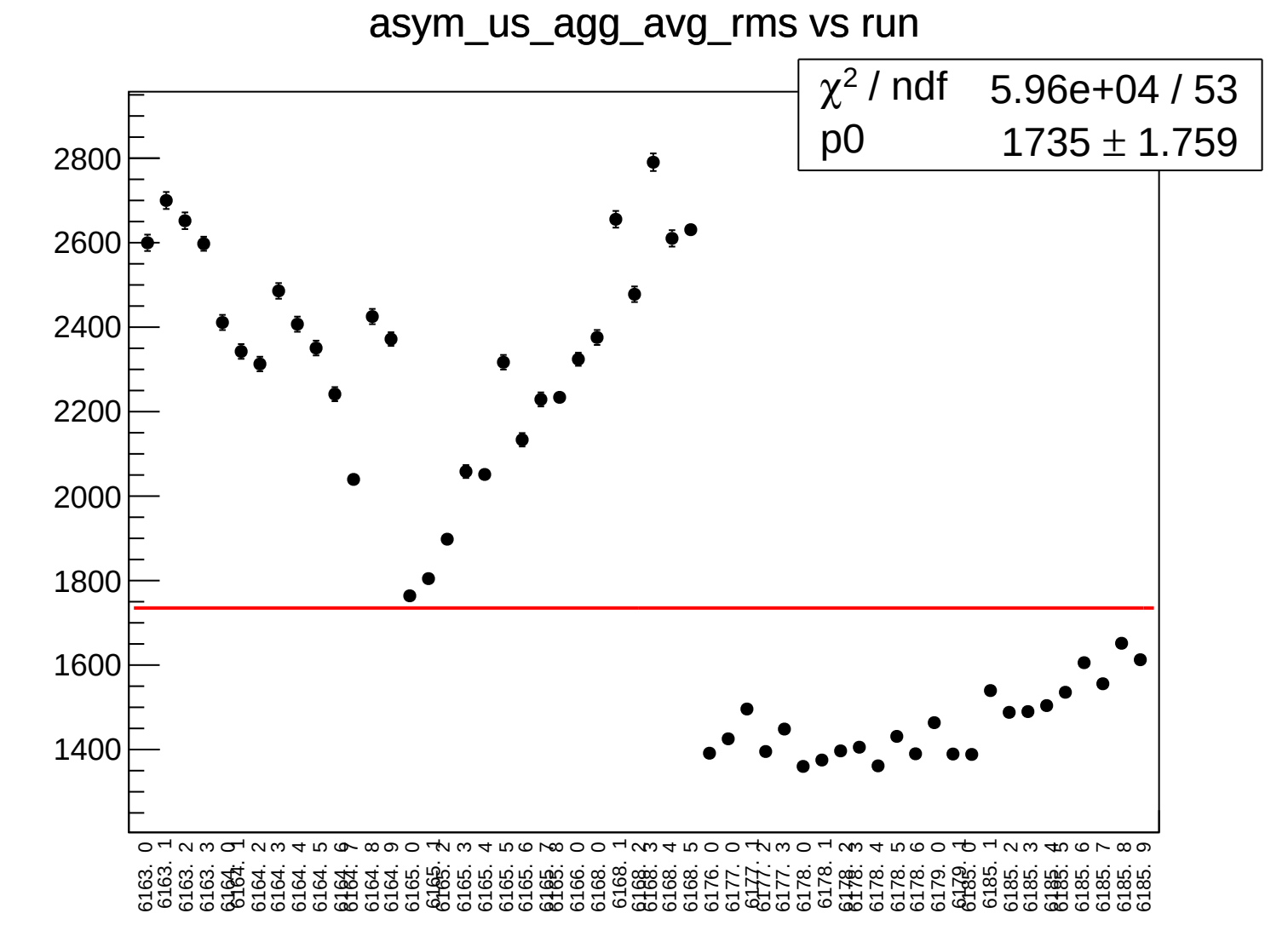

asym_dsr_mean vs run
χ² / ndf 55.31 / 53
p0 −30.38 ± 526.1
15000
10000
5000
0
−5000
−10000
pull
Entries 54
Mean 77.84
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

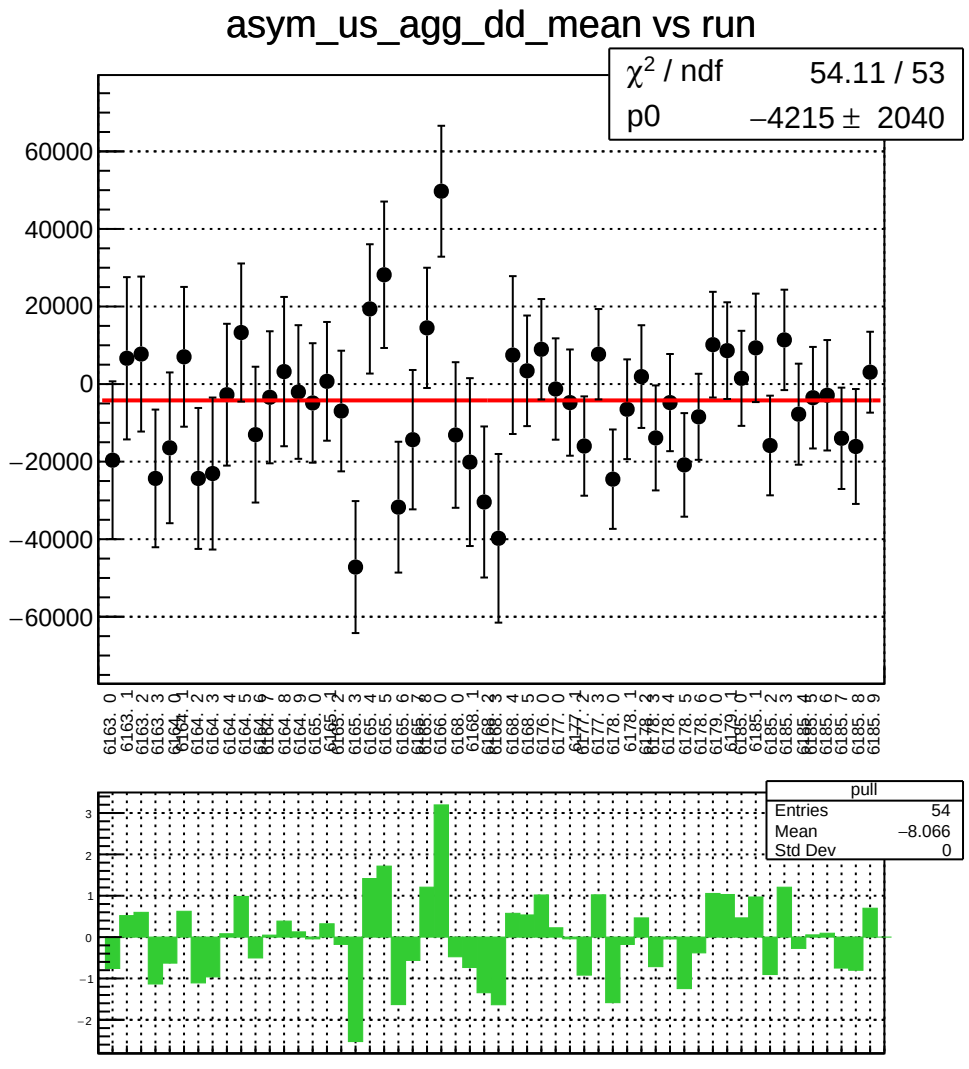

pull1D
Entries 54
Mean −0.0157
Std Dev 1.012
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

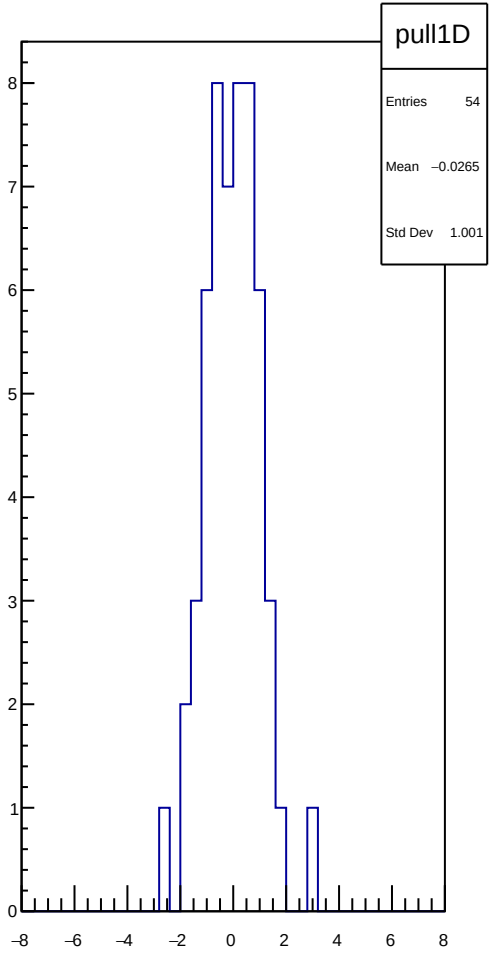

asym_dsr_rms vs run
χ² / ndf 168.8 / 53
p0 378.1 ± 0.372
395
390
385
380
375
370
365
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

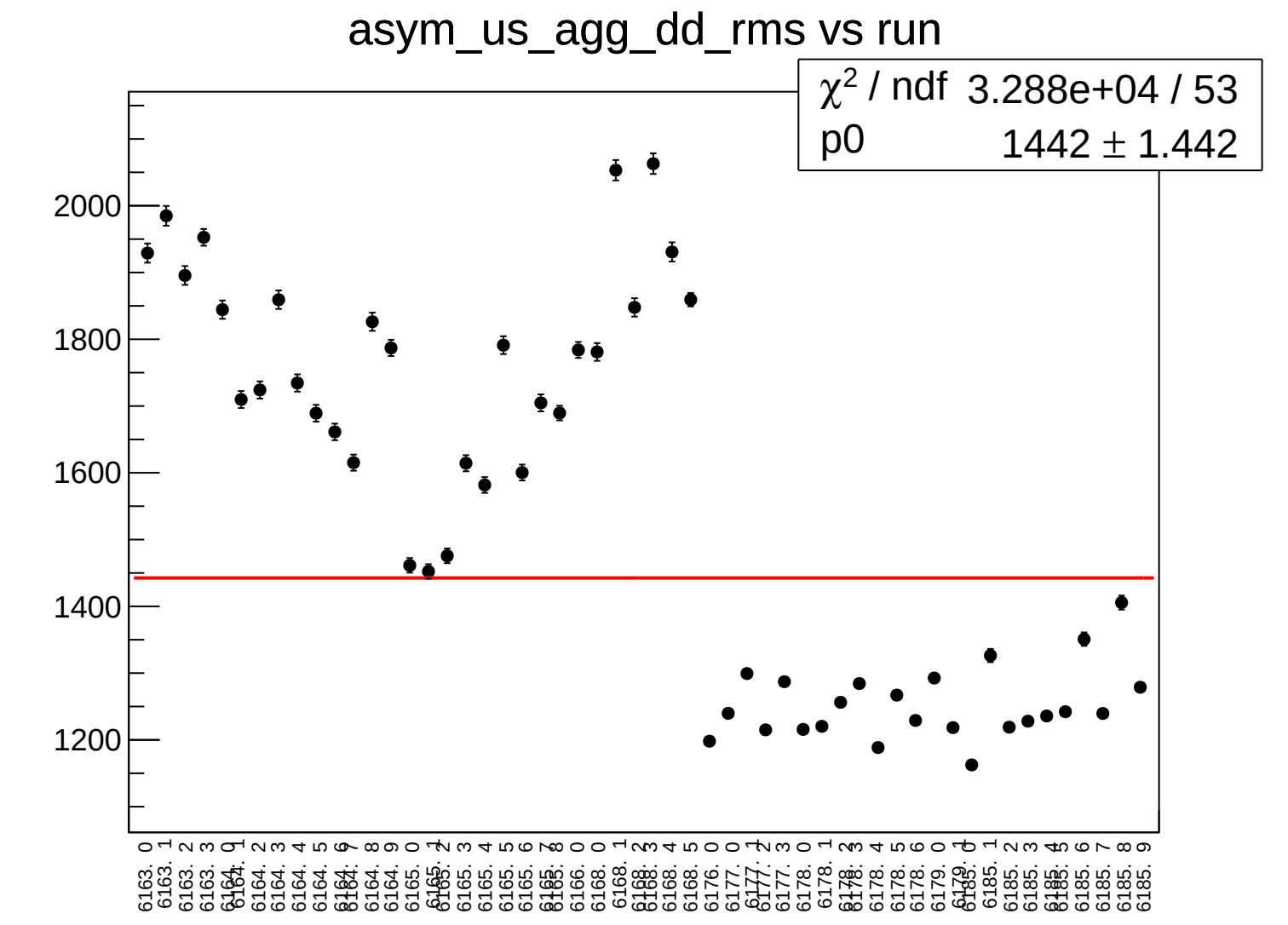

asym_us_agg_avg_mean vs run
χ² / ndf 51.14 / 53
p0 4672 ± 2487
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 30.06
Std Dev 30.09
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

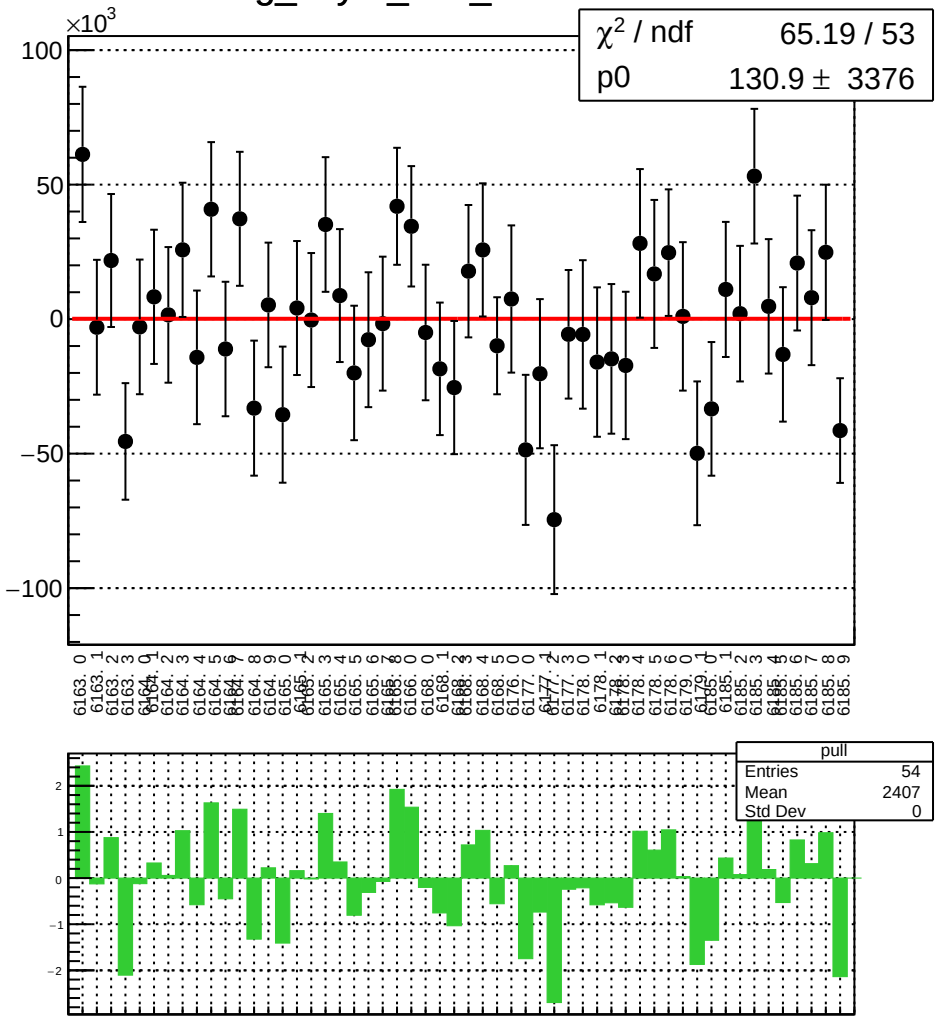

pull1D
Entries 54
Mean 0.0259
Std Dev 0.9728
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

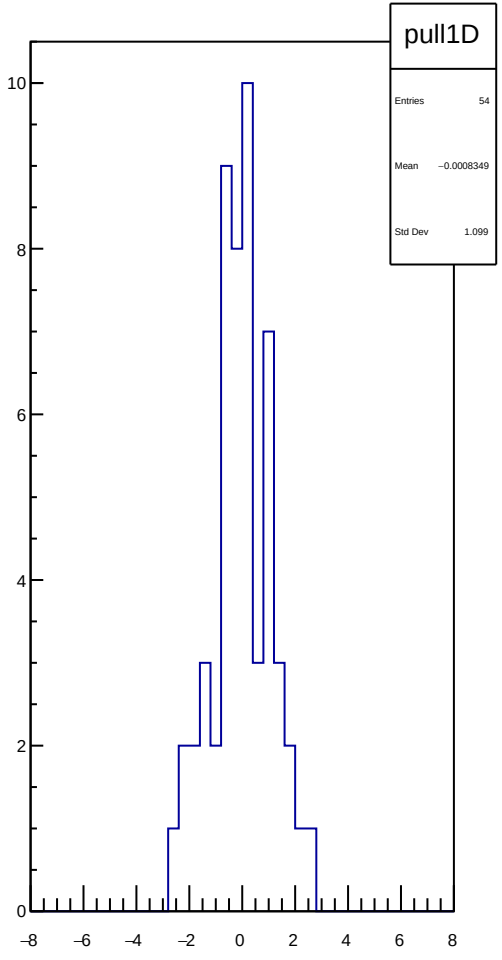

asym_us_agg_avg_rms vs run
χ² / ndf 5.96e+04 / 53
p0 1735 ± 1.759
2800
2600
2400
2200
2000
1800
1600
1400
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

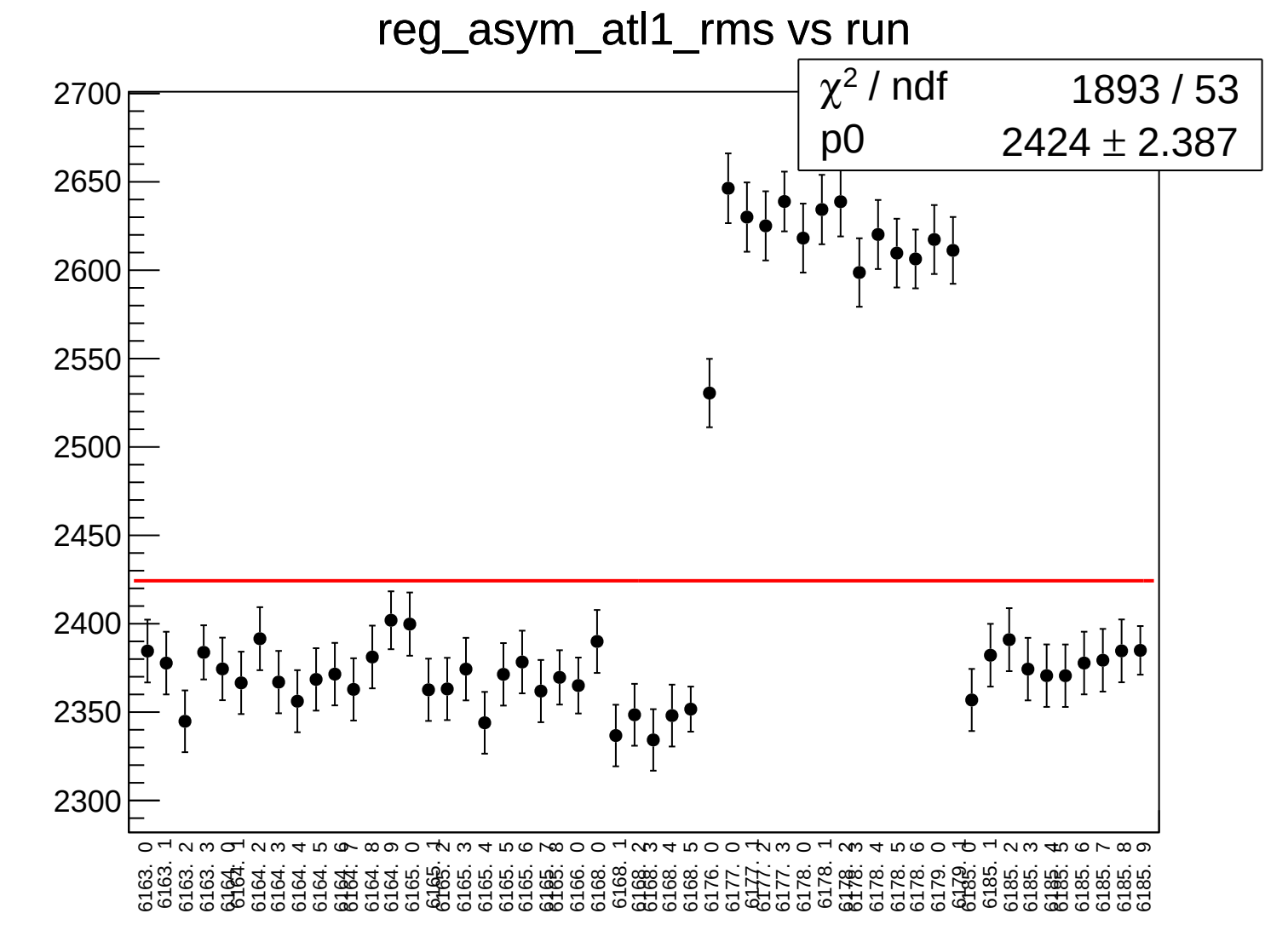

asym_us_agg_dd_mean vs run
χ² / ndf 54.11 / 53
p0 −4215 ± 2040
pull
Entries 54
Mean −8.066
Std Dev 0

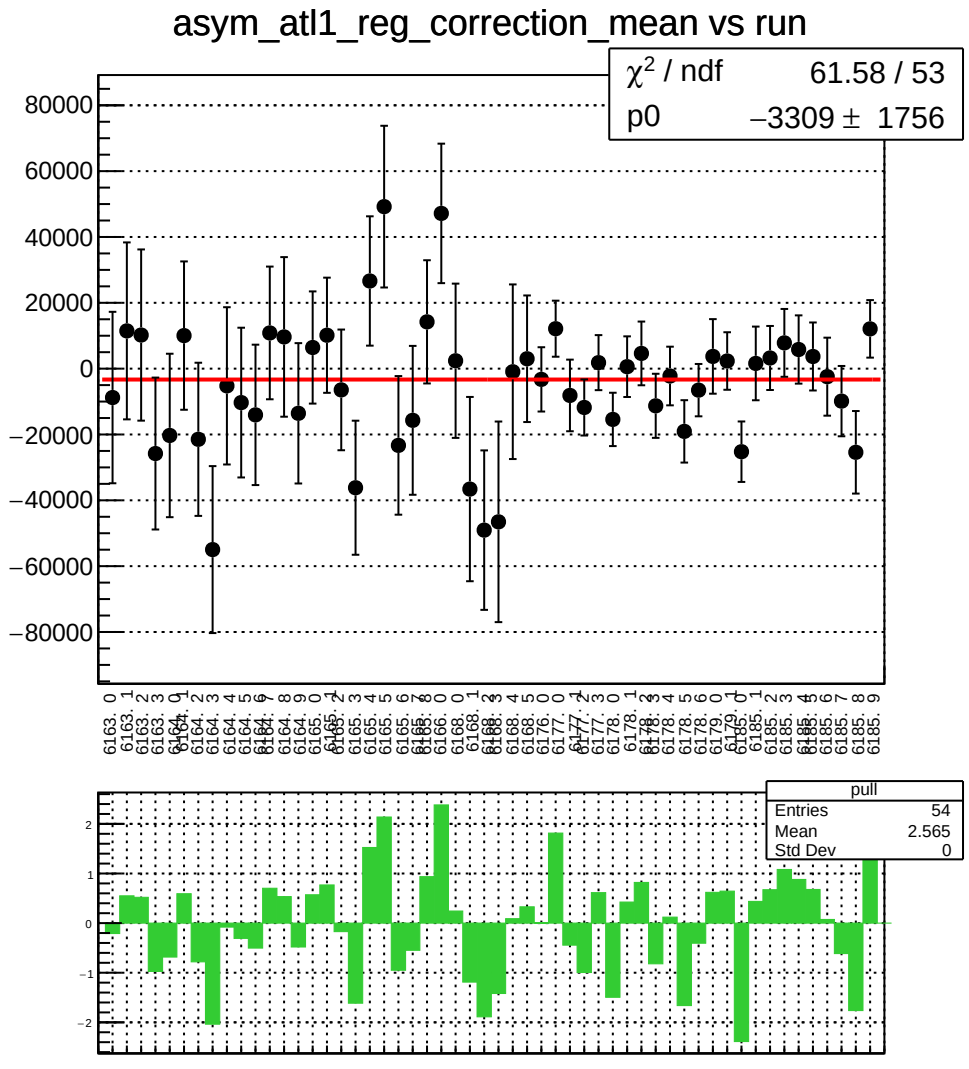

pull1D
Entries 54
Mean −0.0265
Std Dev 1.001

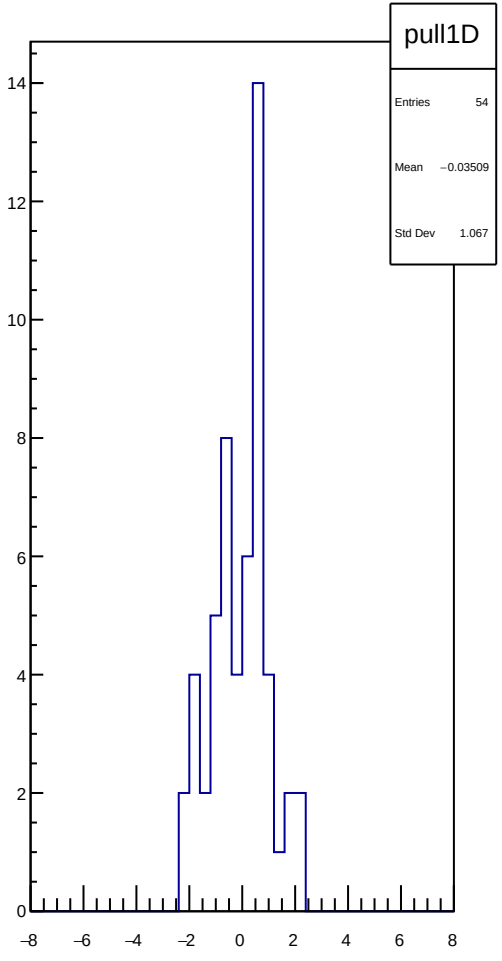

asym_us_agg_dd_rms vs run
χ² / ndf 3.288e+04 / 53
p0 1442 ± 1.442
2000
1800
1600
1400
1200
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

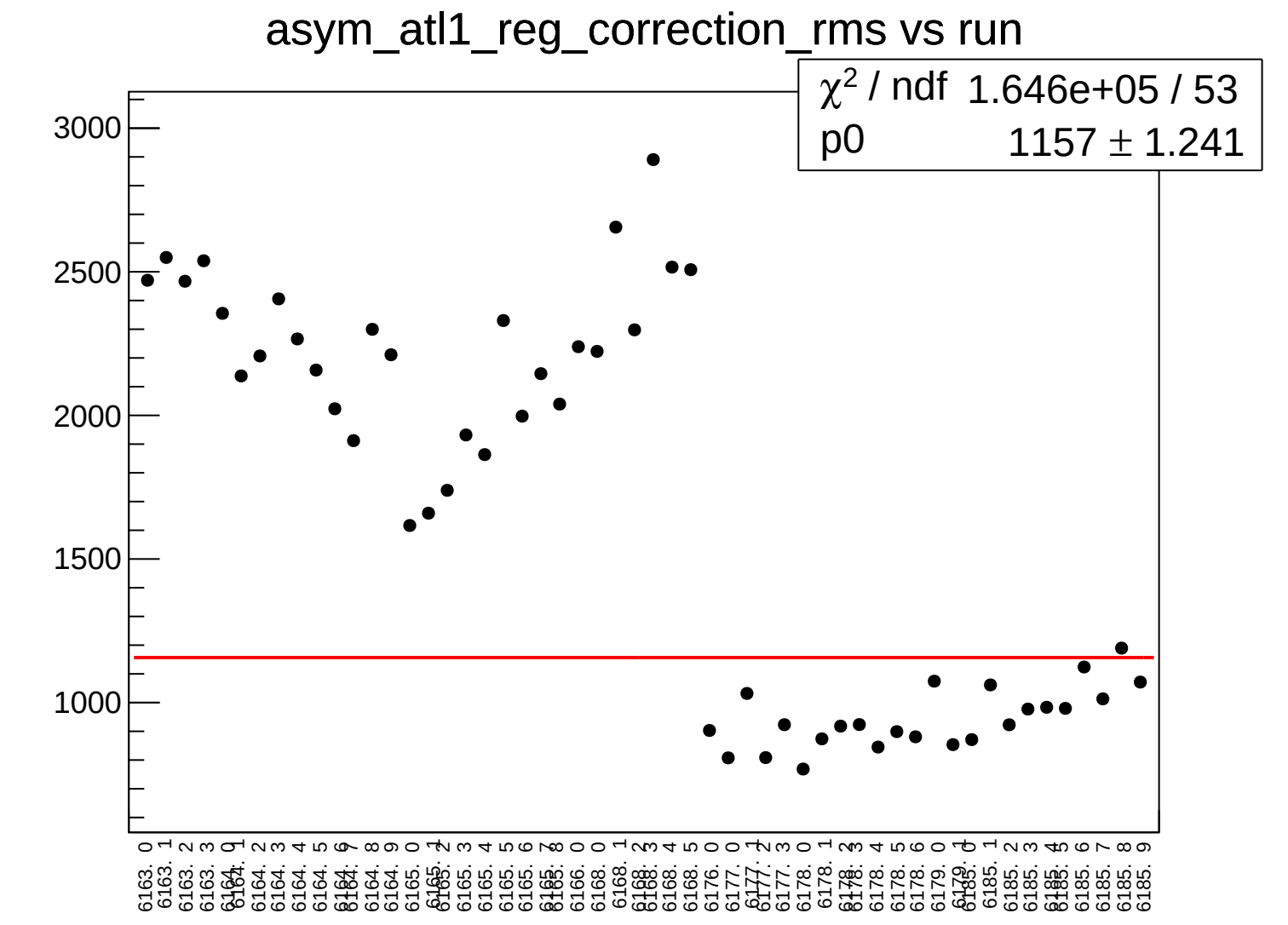

reg_asym_atl1_mean vs run
×10^3
χ² / ndf 65.19 / 53
p0 130.9 ± 3376
pull
Entries 54
Mean 2407
Std Dev 0


pull1D
Entries 54
Mean −0.0008349
Std Dev 1.099


reg_asym_atl1_rms vs run
χ² / ndf 1893 / 53
p0 2424 ± 2.387
2700
2650
2600
2550
2500
2450
2400
2350
2300
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


asym_atl1_reg_correction_mean vs run
χ² / ndf 61.58 / 53
p0 −3309 ± 1756
pull
Entries 54
Mean 2.565
Std Dev 0


pull1D
Entries 54
Mean −0.03509
Std Dev 1.067


asym_atl1_reg_correction_rms vs run
χ² / ndf 1.646e+05 / 53
p0 1157 ± 1.241
3000
2500
2000
1500
1000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
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6179. 0
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6185. 2
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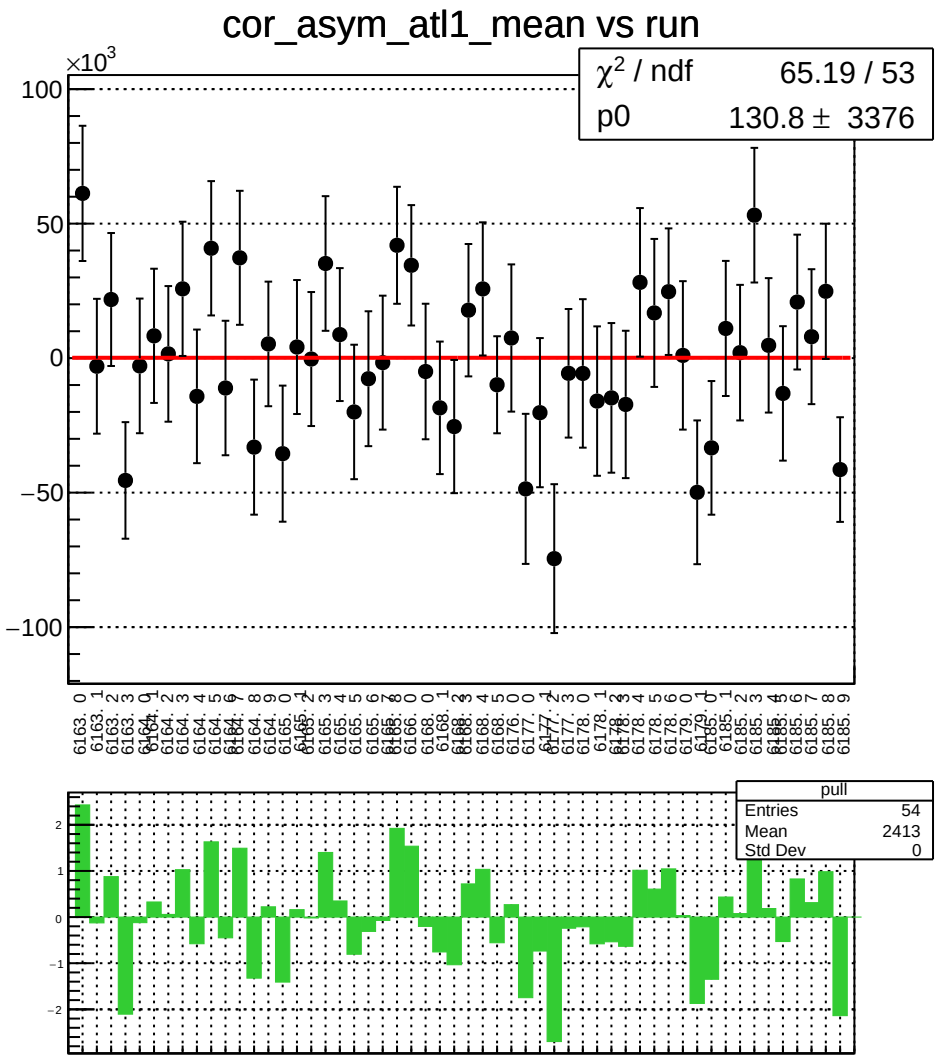
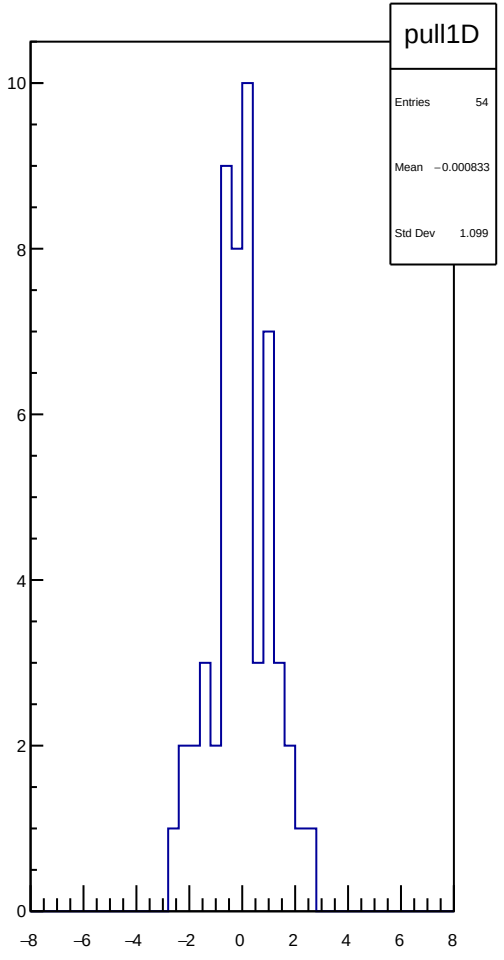
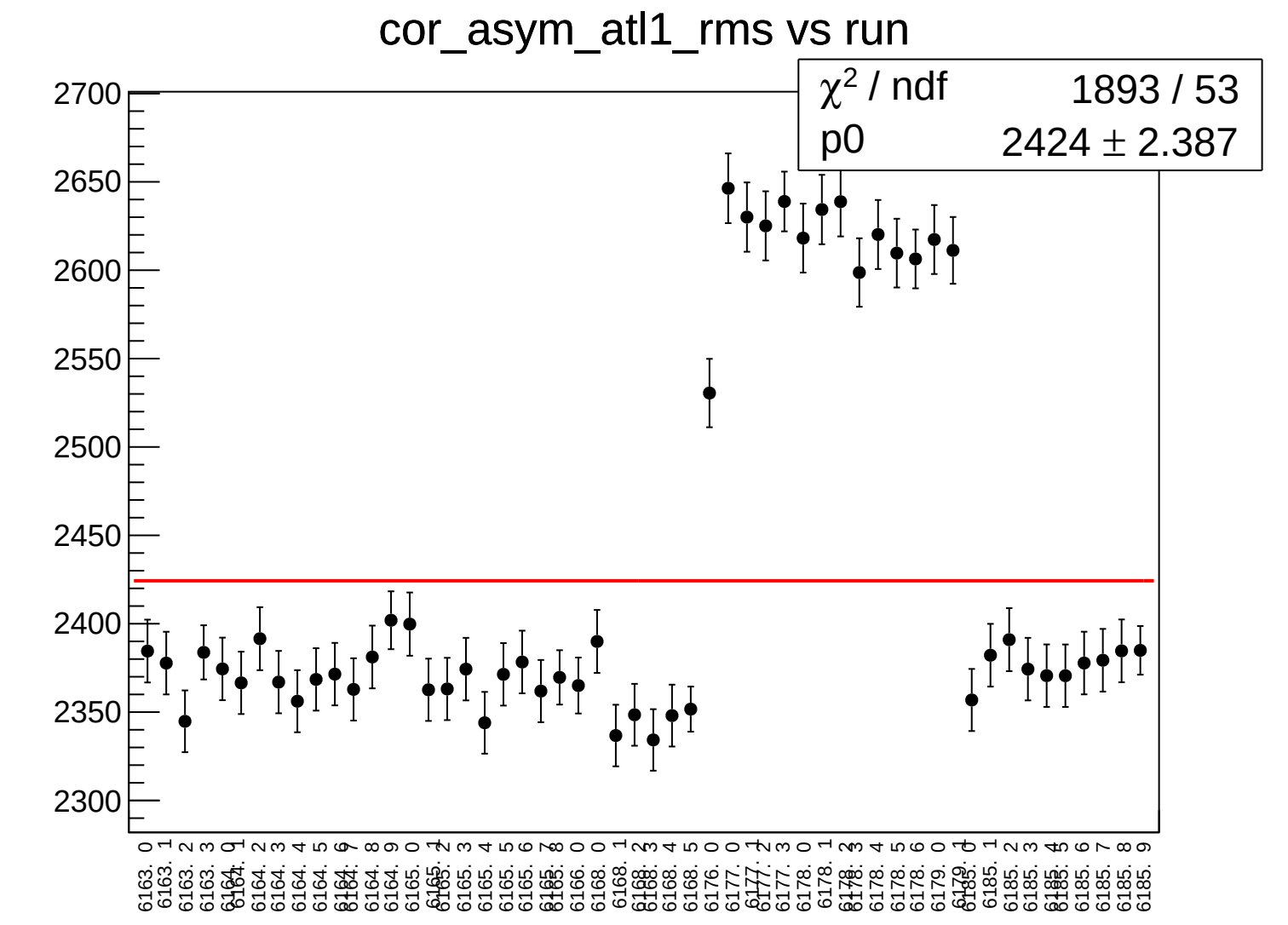
6185. 6
6185. 7
6185. 8
6185. 9


cor_asym_atl1_mean vs run
×10^3
χ² / ndf 65.19 / 53
p0 130.8 ± 3376
pull
Entries 54
Mean 2413
Std Dev 0


pull1D
Entries 54
Mean −0.000833
Std Dev 1.099


cor_asym_atl1_rms vs run
χ^2 / ndf 1893 / 53
p0 2424 ± 2.387
2700
2650
2600
2550
2500
2450
2400
2350
2300
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
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6185. 2
6185. 3
6185. 6
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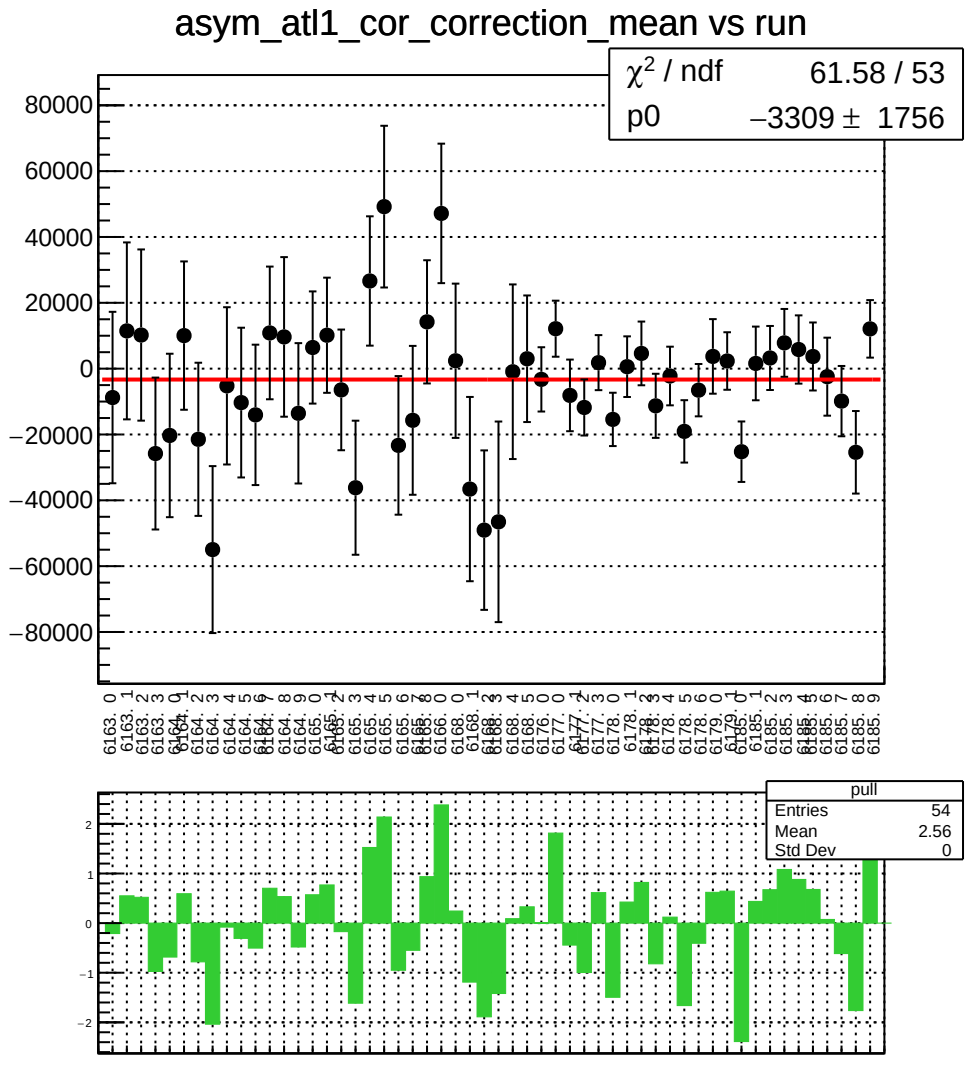
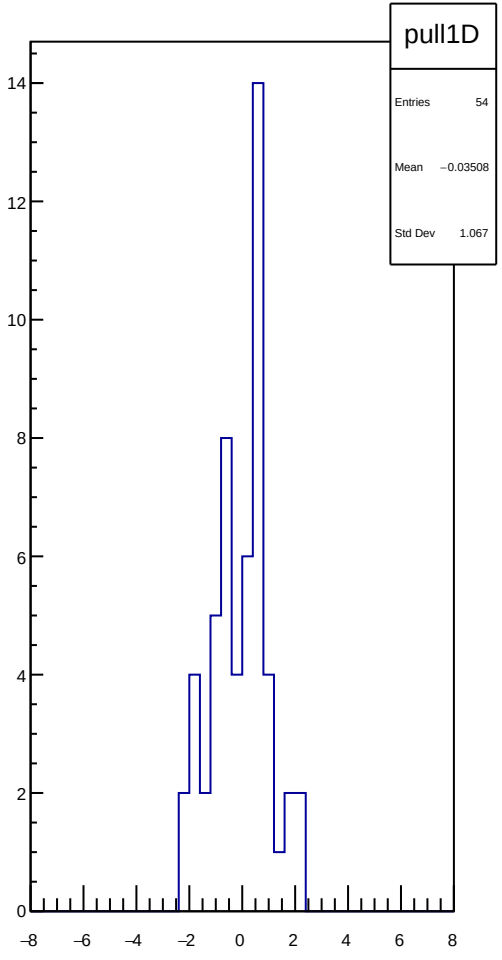
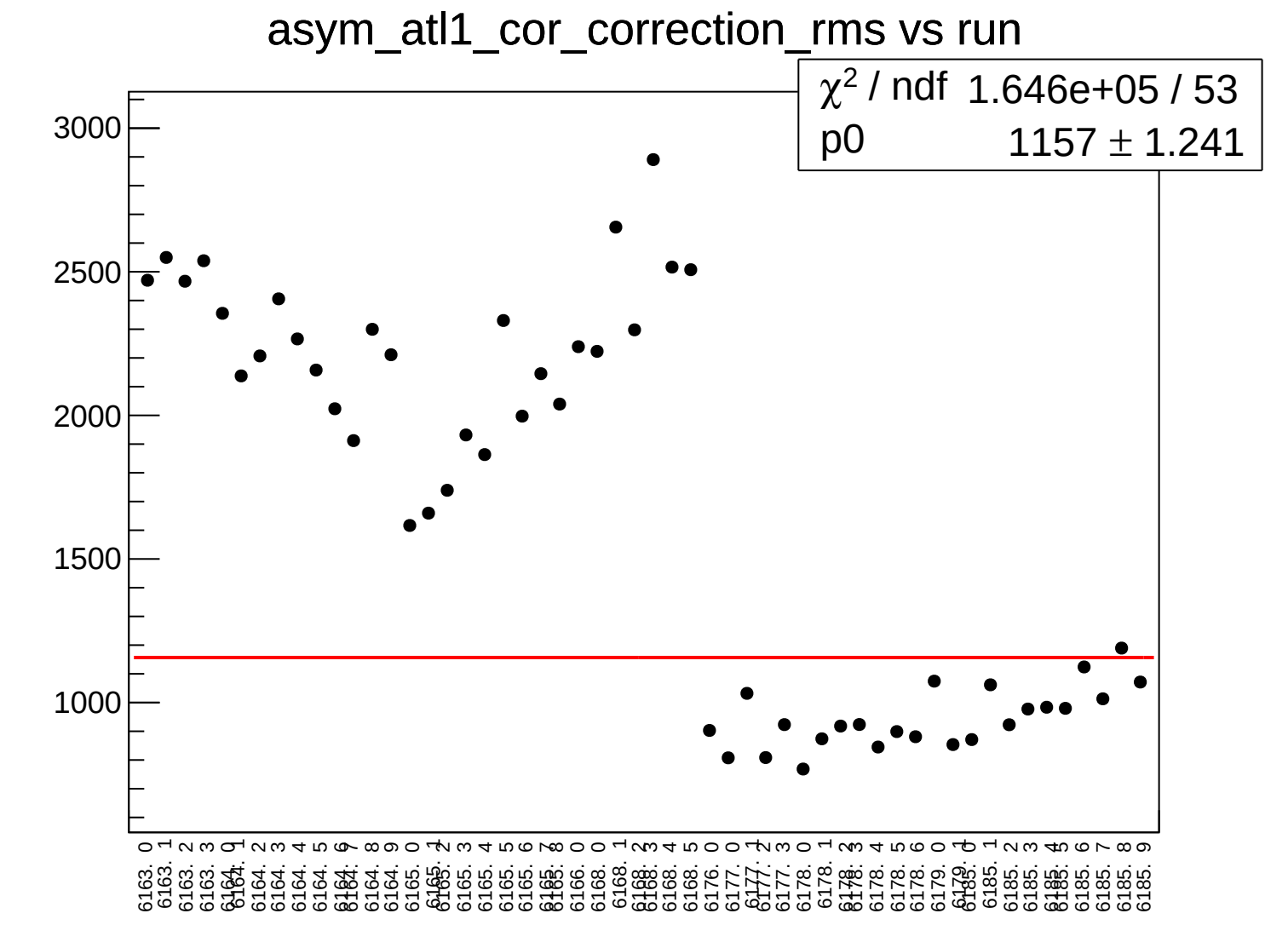
6185. 9


asym_atl1_cor_correction_mean vs run
χ² / ndf 61.58 / 53
p0 −3309 ± 1756
pull
Entries 54
Mean 2.56
Std Dev 0


pull1D
Entries 54
Mean −0.03508
Std Dev 1.067


asym_atl1_cor_correction_rms vs run
χ² / ndf 1.646e+05 / 53
p0 1157 ± 1.241
3000
2500
2000
1500
1000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
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6165. 6
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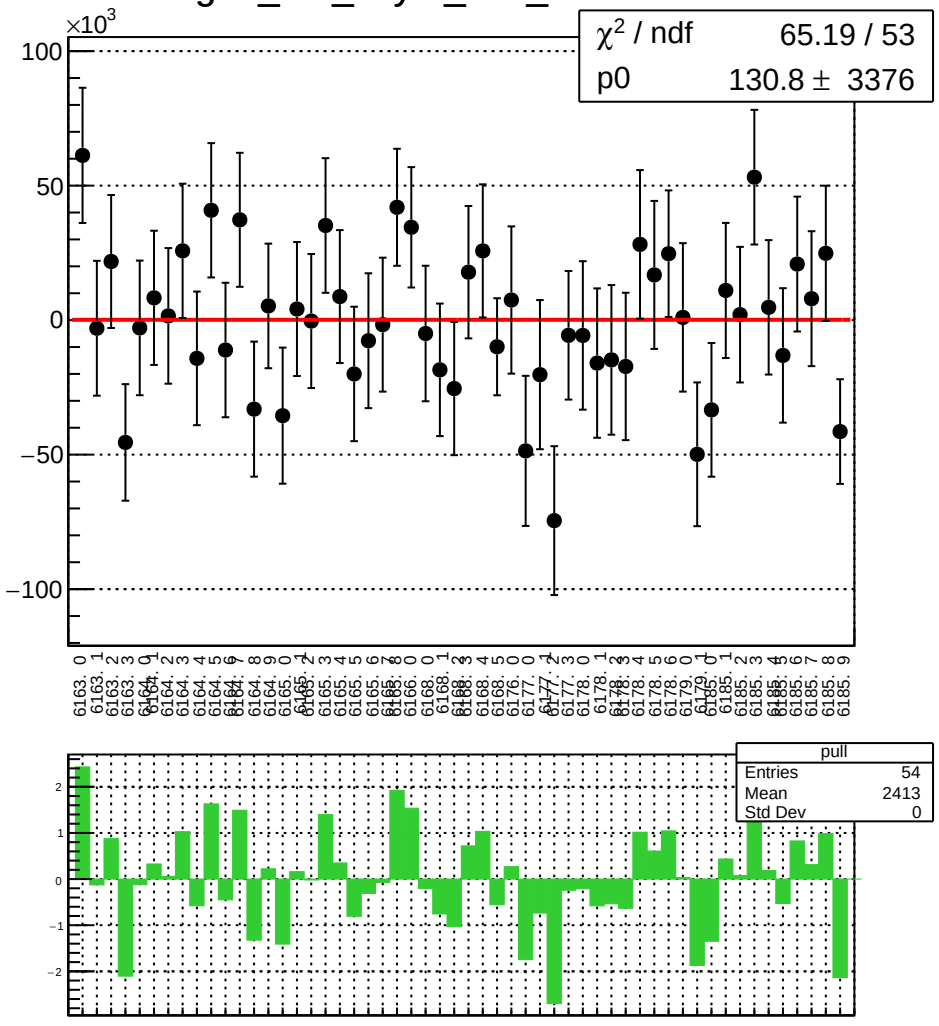
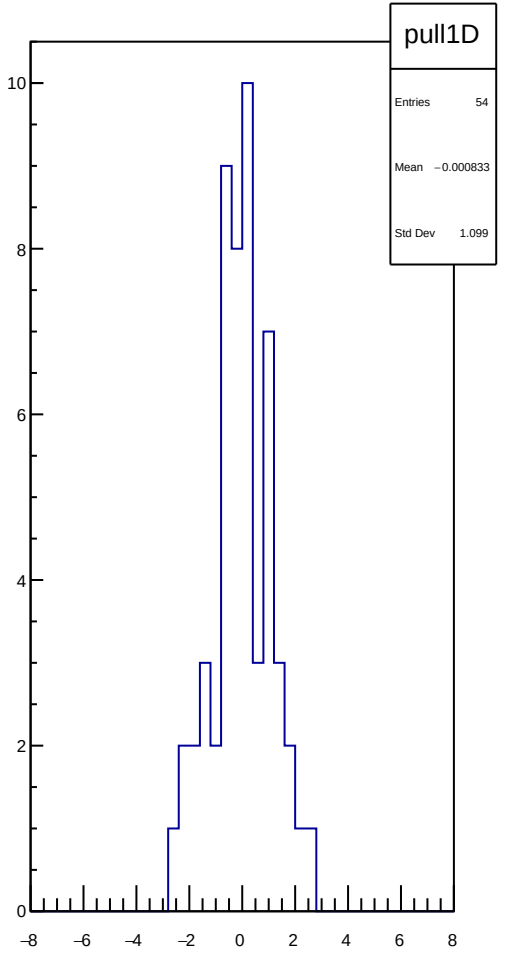
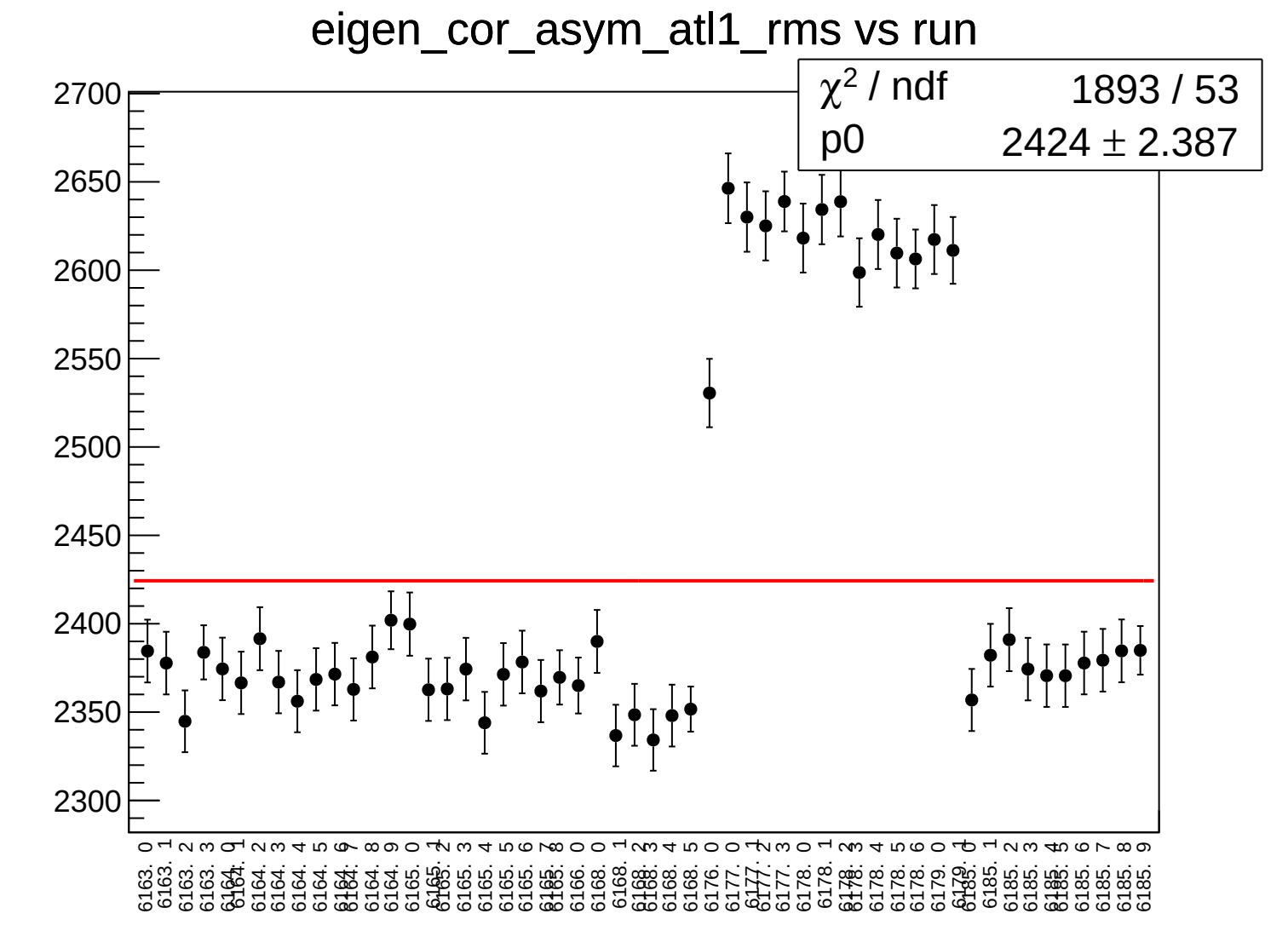
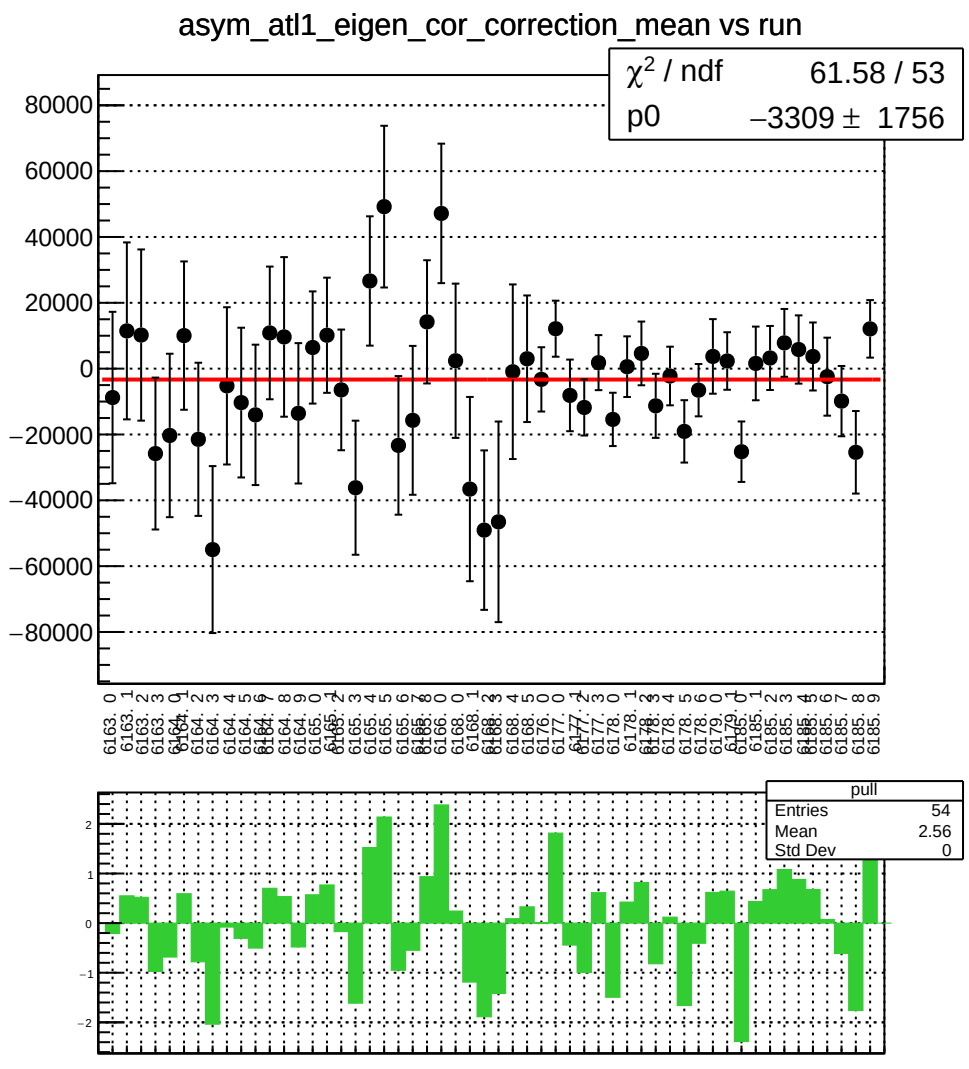
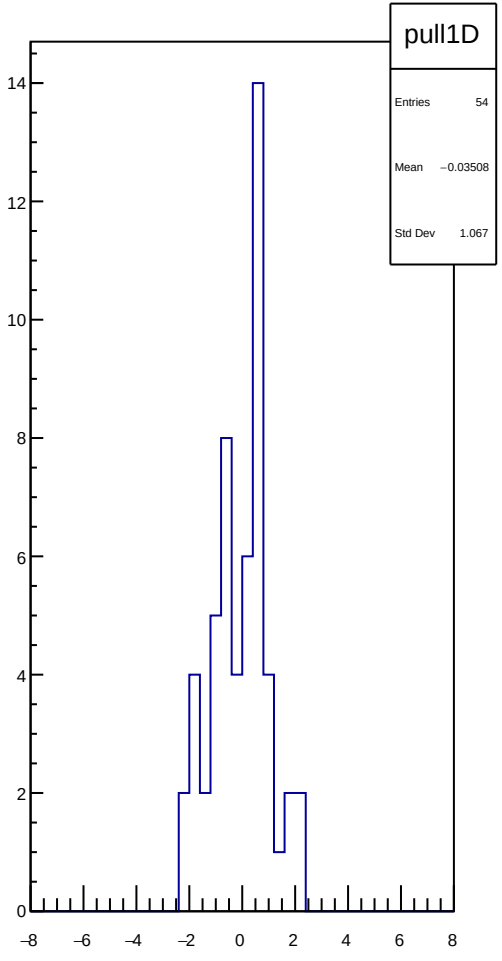
6185. 9

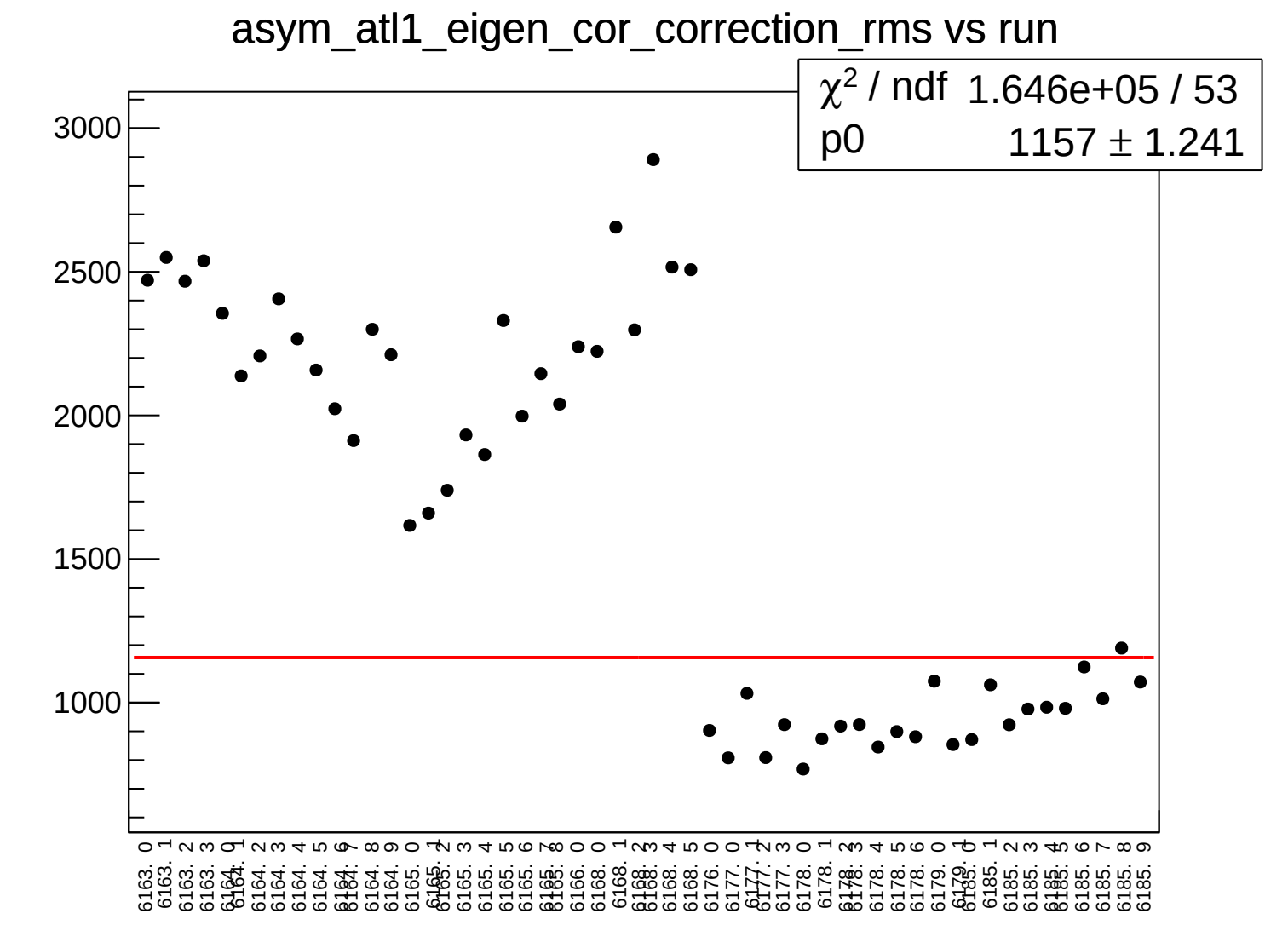

eigen_cor_asym_atl1_mean vs run
×10^3
χ² / ndf 65.19 / 53
p0 130.8 ± 3376
pull
Entries 54
Mean 2413
Std Dev 0

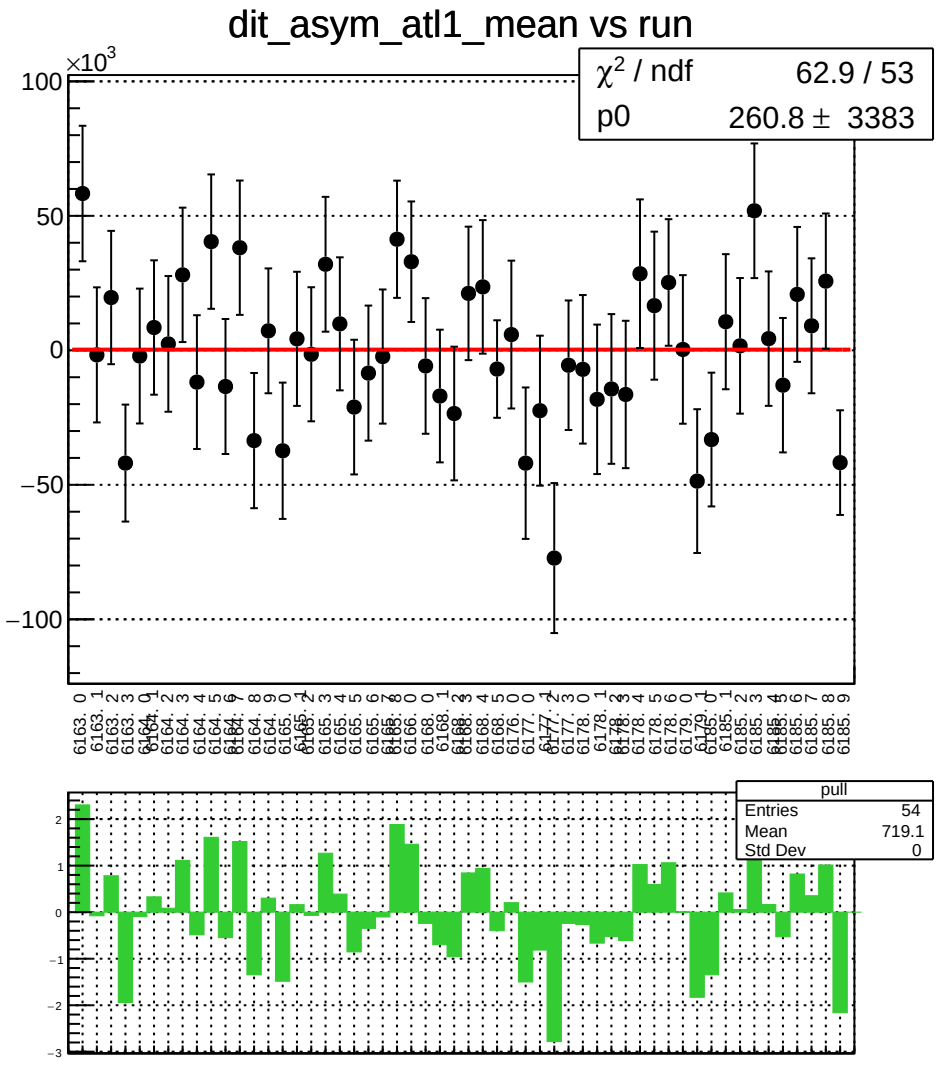

pull1D
Entries 54
Mean −0.000833
Std Dev 1.099

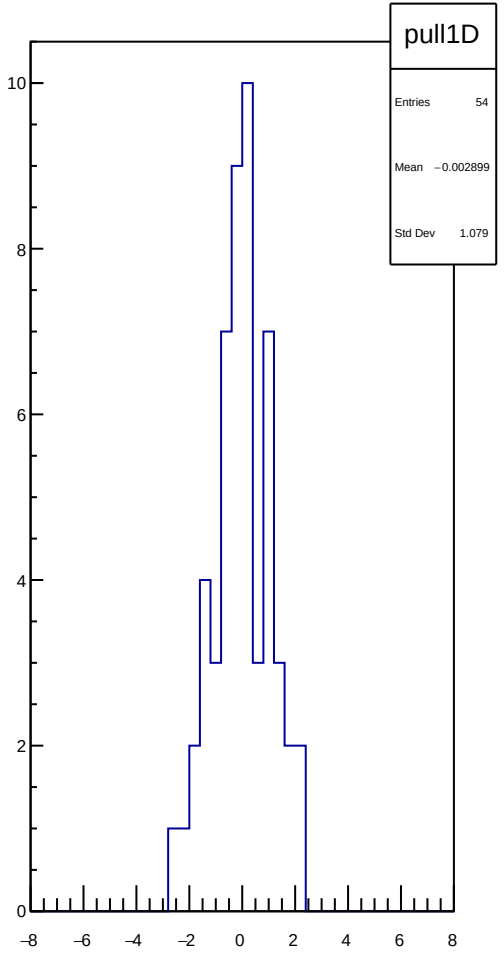

eigen_cor_asym_atl1_rms vs run
χ² / ndf 1893 / 53
p0 2424 ± 2.387
2700
2650
2600
2550
2500
2450
2400
2350
2300
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

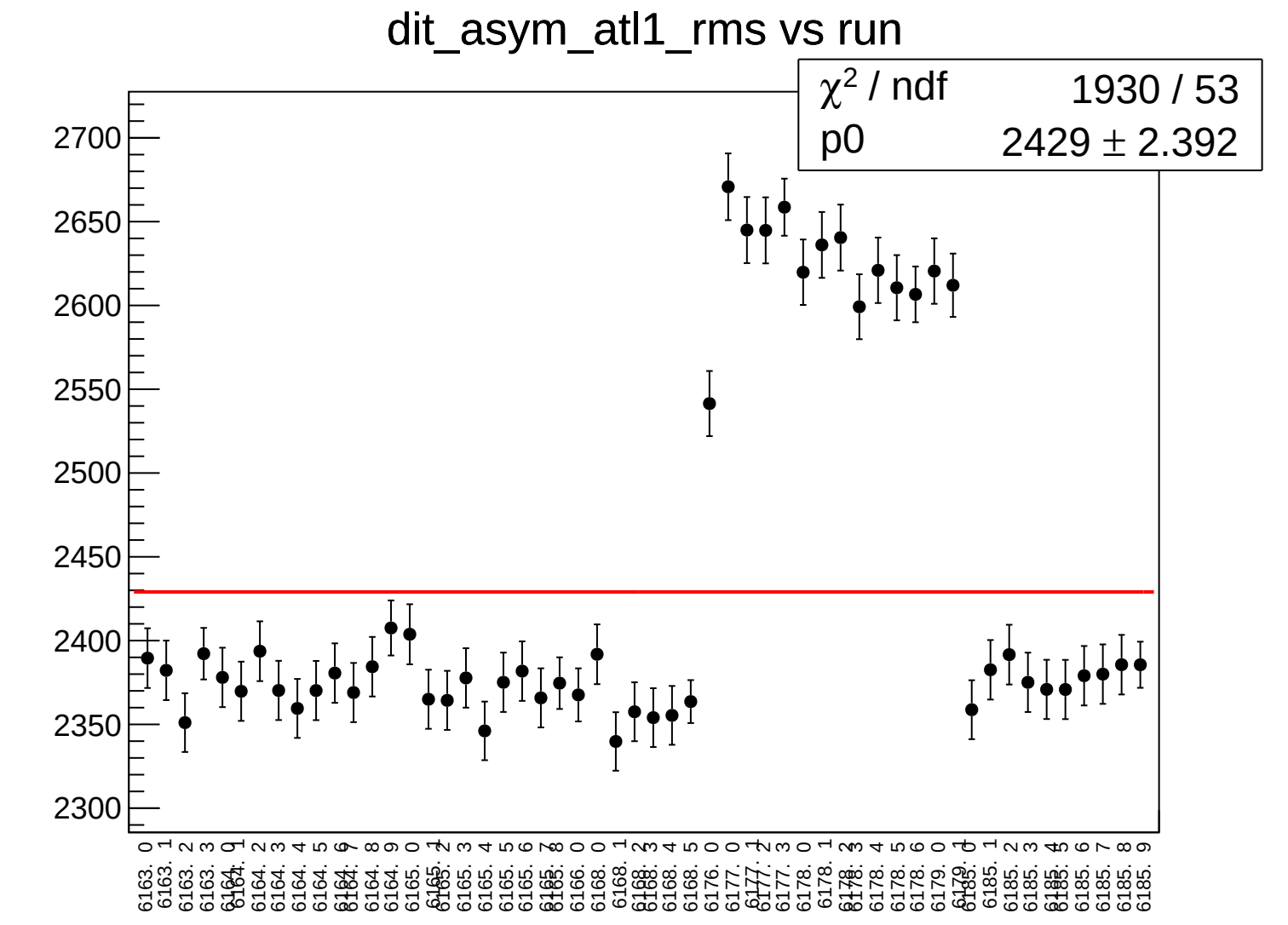

asym_atl1_eigen_cor_correction_mean vs run
χ² / ndf 61.58 / 53
p0 −3309 ± 1756
pull
Entries 54
Mean 2.56
Std Dev 0

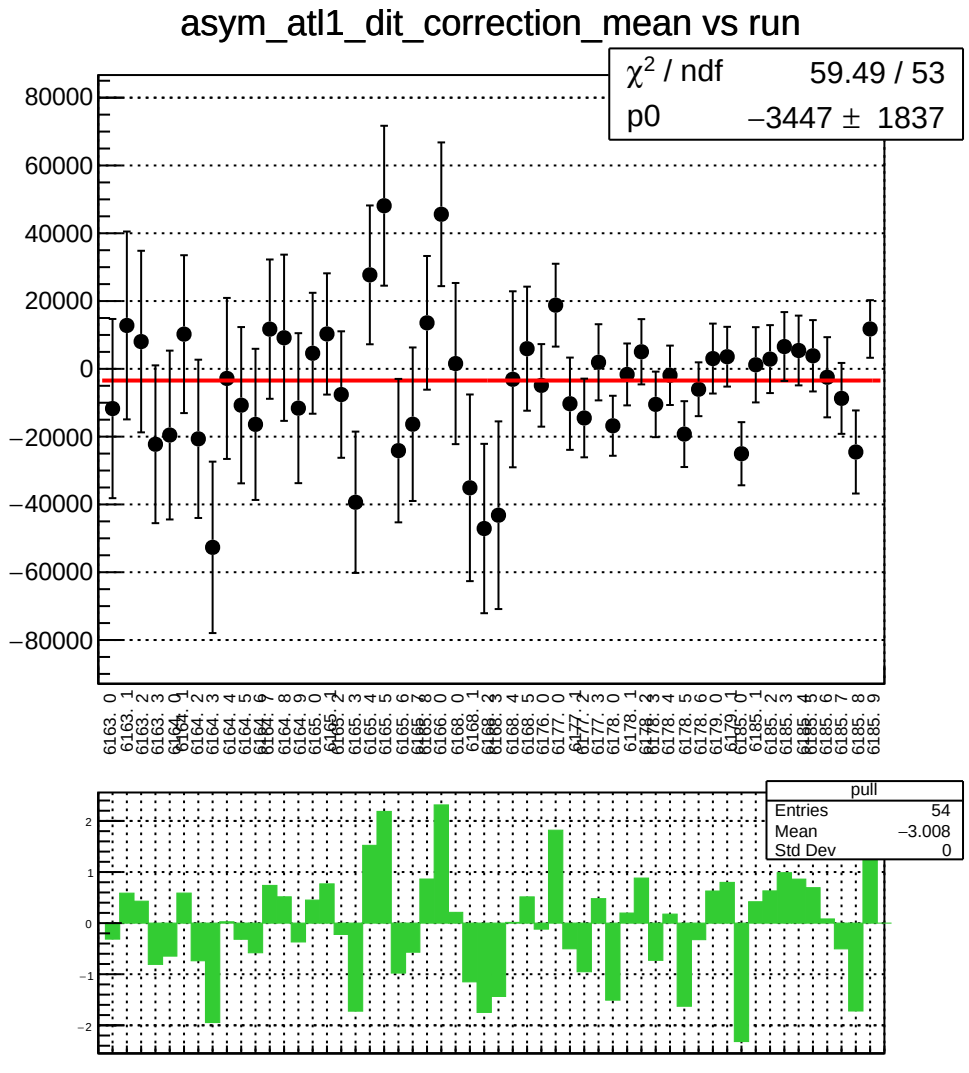

pull1D
Entries 54
Mean −0.03508
Std Dev 1.067

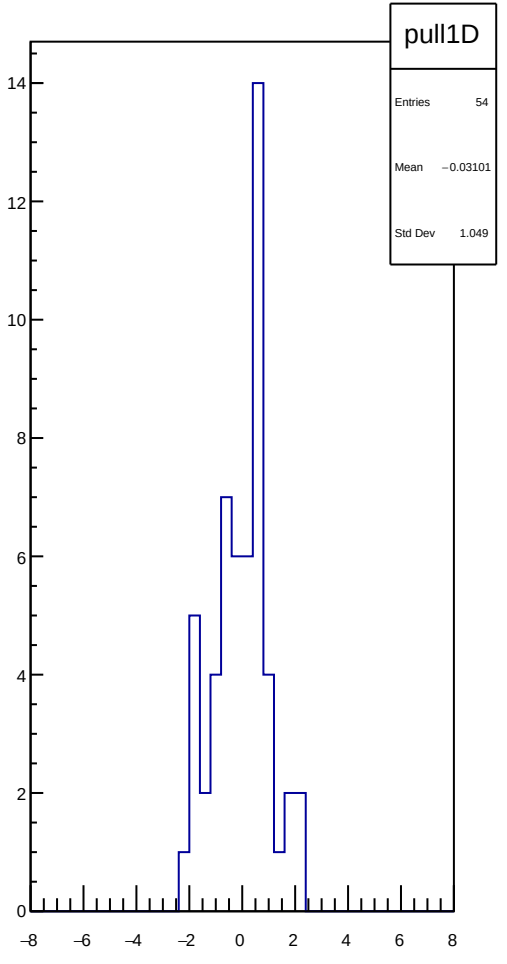

asym_atl1_eigen_cor_correction_rms vs run
χ² / ndf 1.646e+05 / 53
p0 1157 ± 1.241
3000
2500
2000
1500
1000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

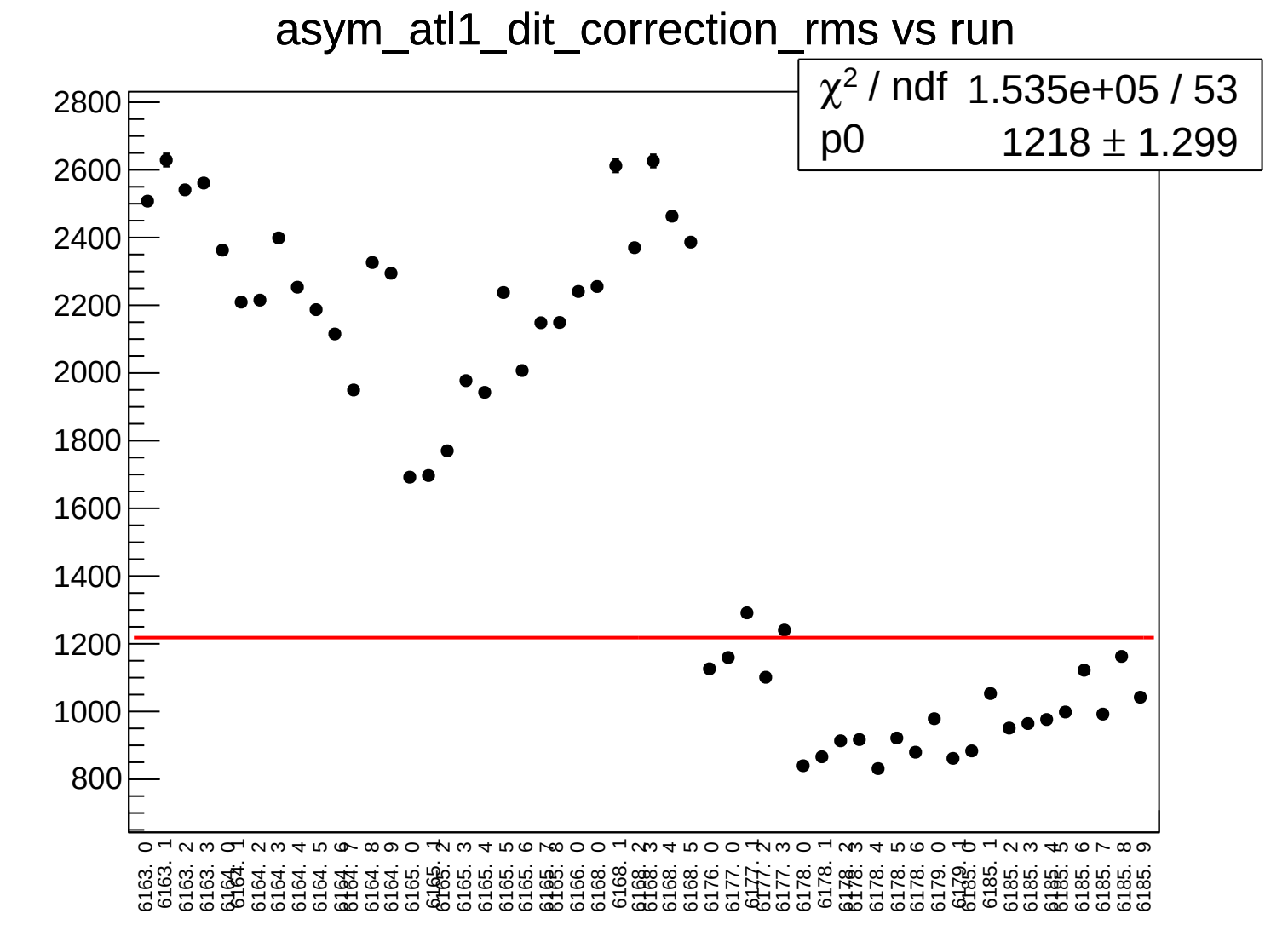

dit_asym_atl1_mean vs run
χ² / ndf 62.9 / 53
p0 260.8 ± 3383
×10³
pull
Entries 54
Mean 719.1
Std Dev 0

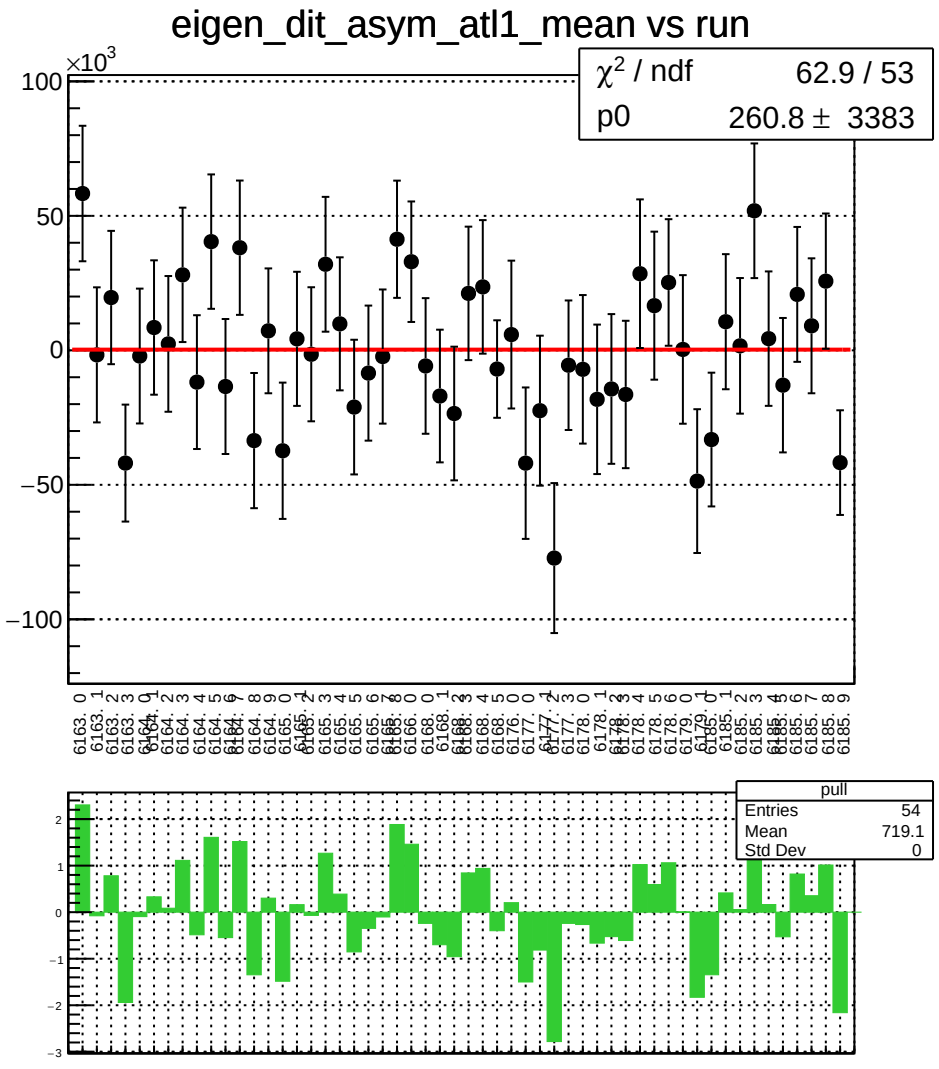

pull1D
Entries 54
Mean −0.002899
Std Dev 1.079

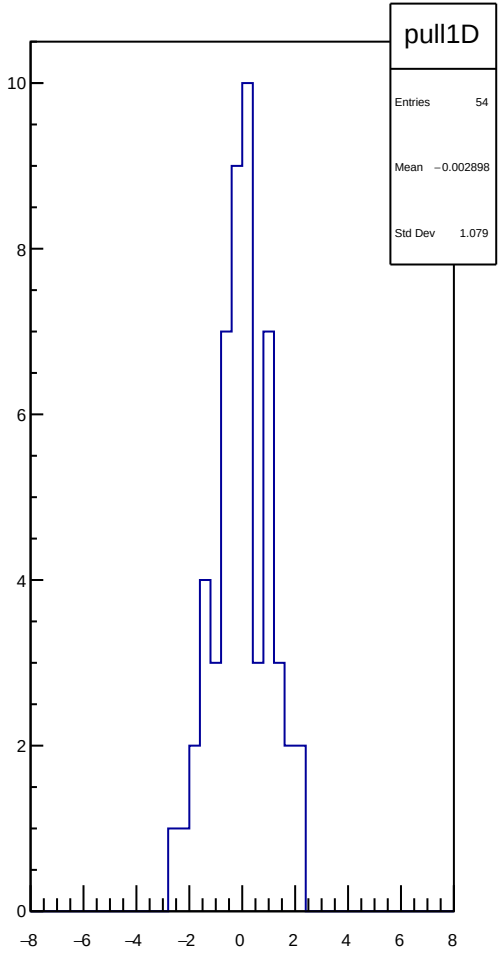

dit_asym_atl1_rms vs run
χ² / ndf 1930 / 53
p0 2429 ± 2.392
2700
2650
2600
2550
2500
2450
2400
2350
2300
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

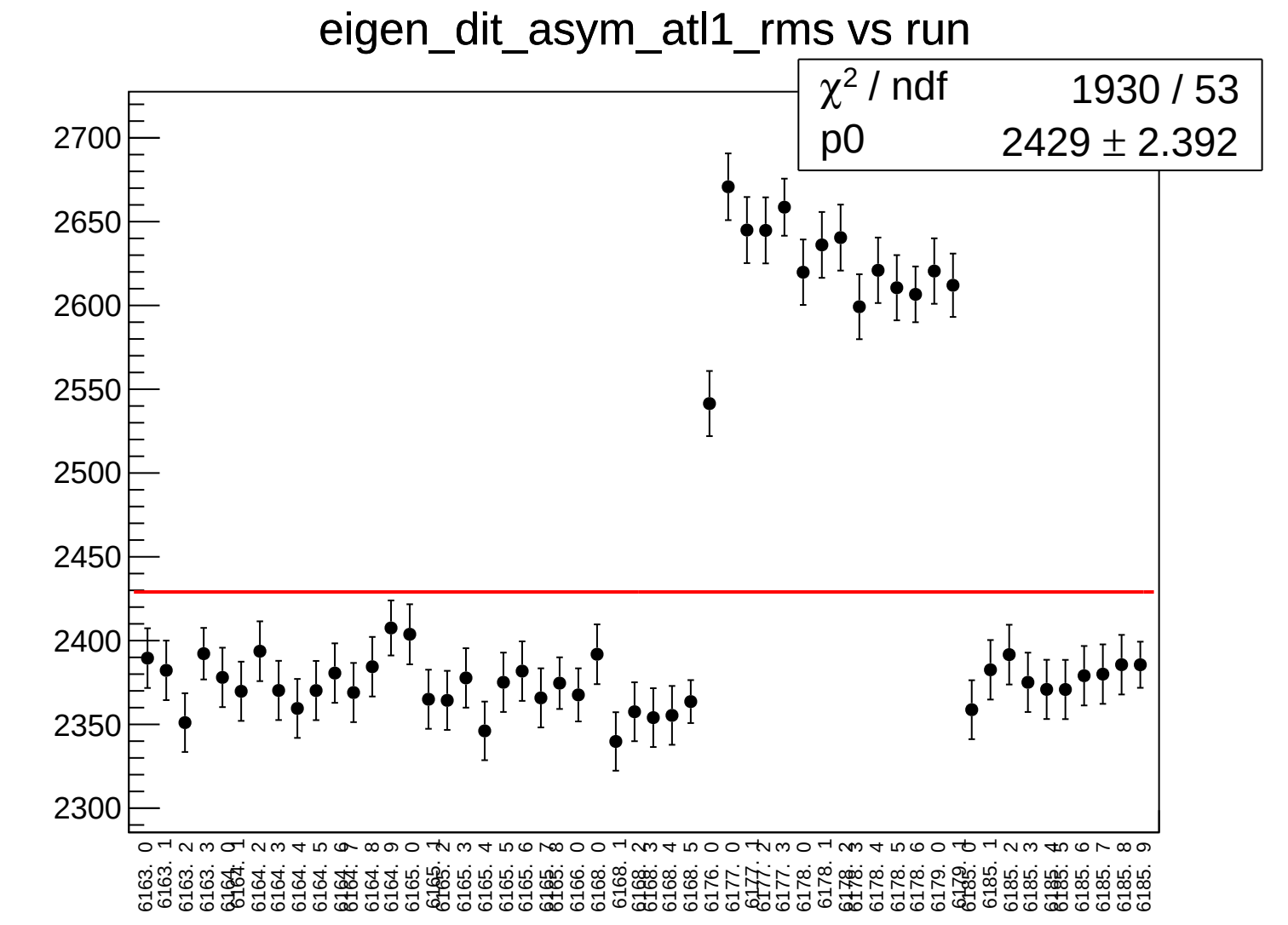

asym_atl1_dit_correction_mean vs run
χ² / ndf 59.49 / 53
p0 −3447 ± 1837
pull
Entries 54
Mean −3.008
Std Dev 0

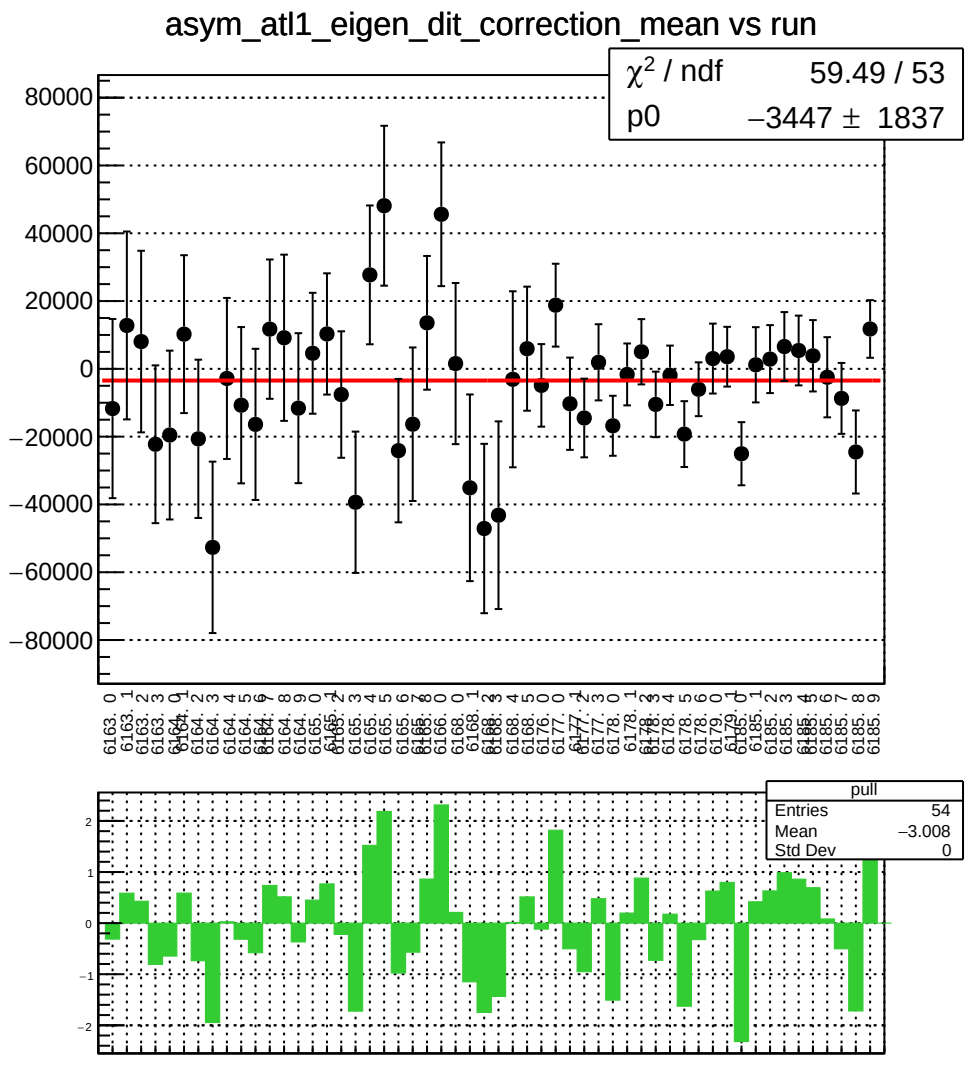

pull1D
Entries 54
Mean −0.03101
Std Dev 1.049

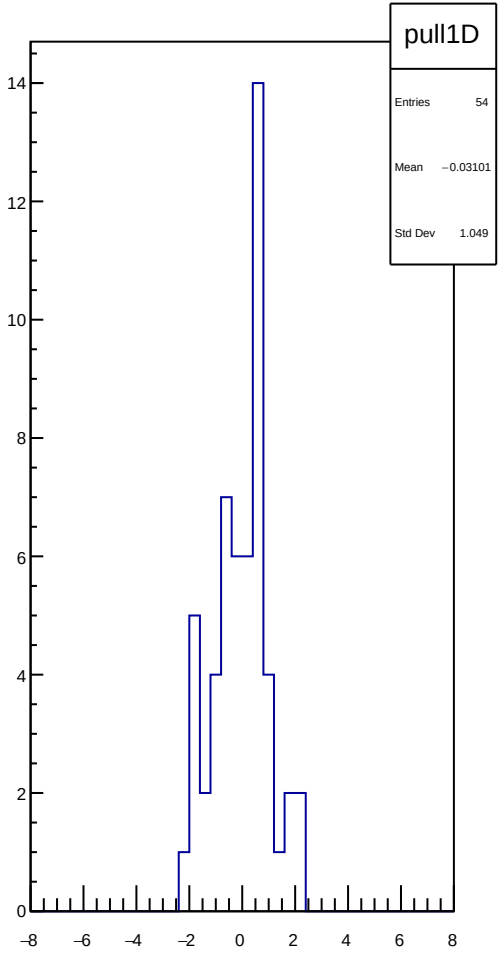

asym_atl1_dit_correction_rms vs run
χ² / ndf 1.535e+05 / 53
p0 1218 ± 1.299
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
800
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

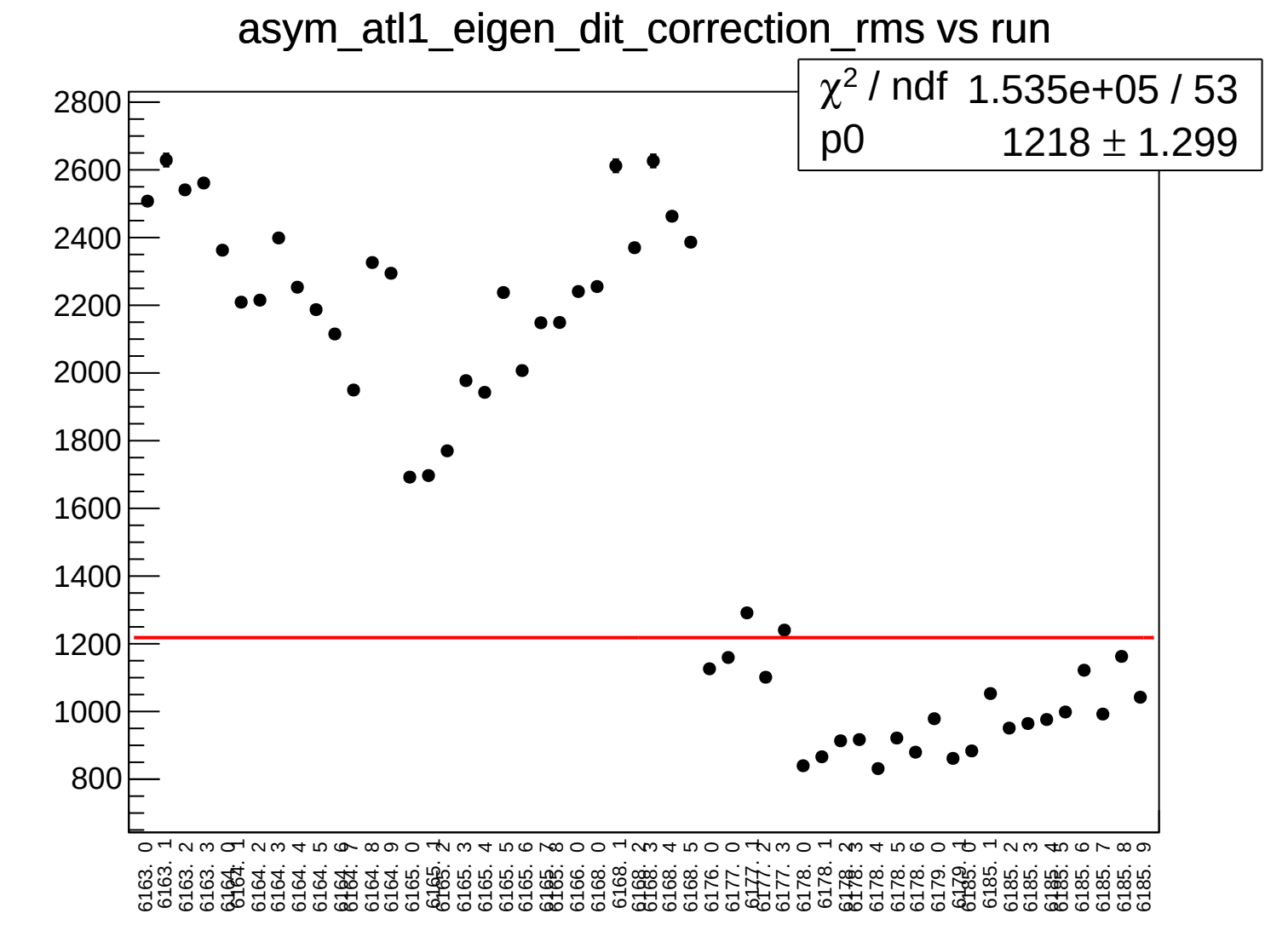

eigen_dit_asym_atl1_mean vs run
χ² / ndf 62.9 / 53
p0 260.8 ± 3383
×10³
pull
Entries 54
Mean 719.1
Std Dev 0

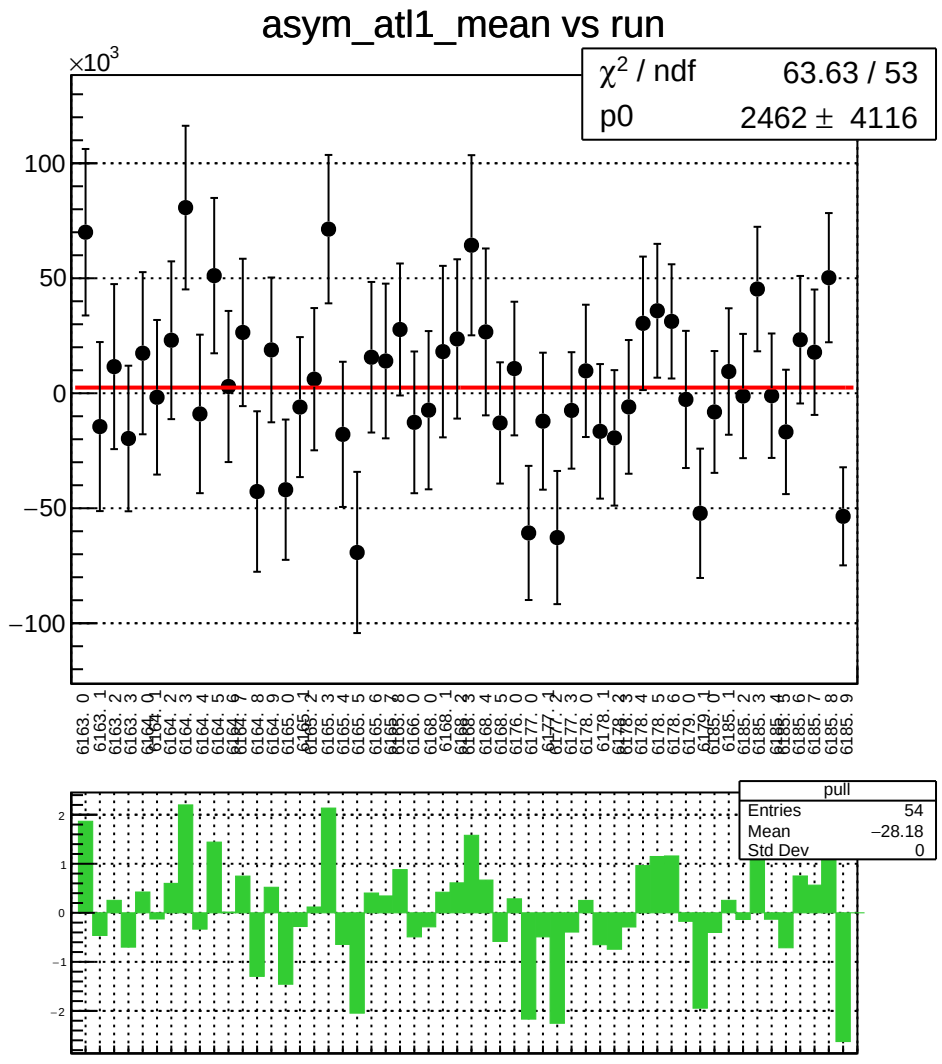

pull1D
Entries 54
Mean −0.002898
Std Dev 1.079

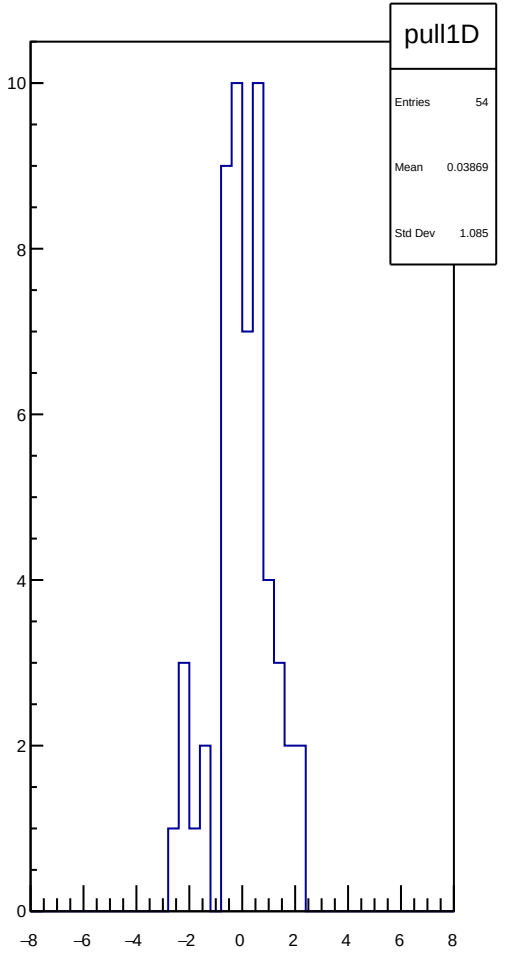

eigen_dit_asym_atl1_rms vs run
χ² / ndf 1930 / 53
p0 2429 ± 2.392
2700
2650
2600
2550
2500
2450
2400
2350
2300
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

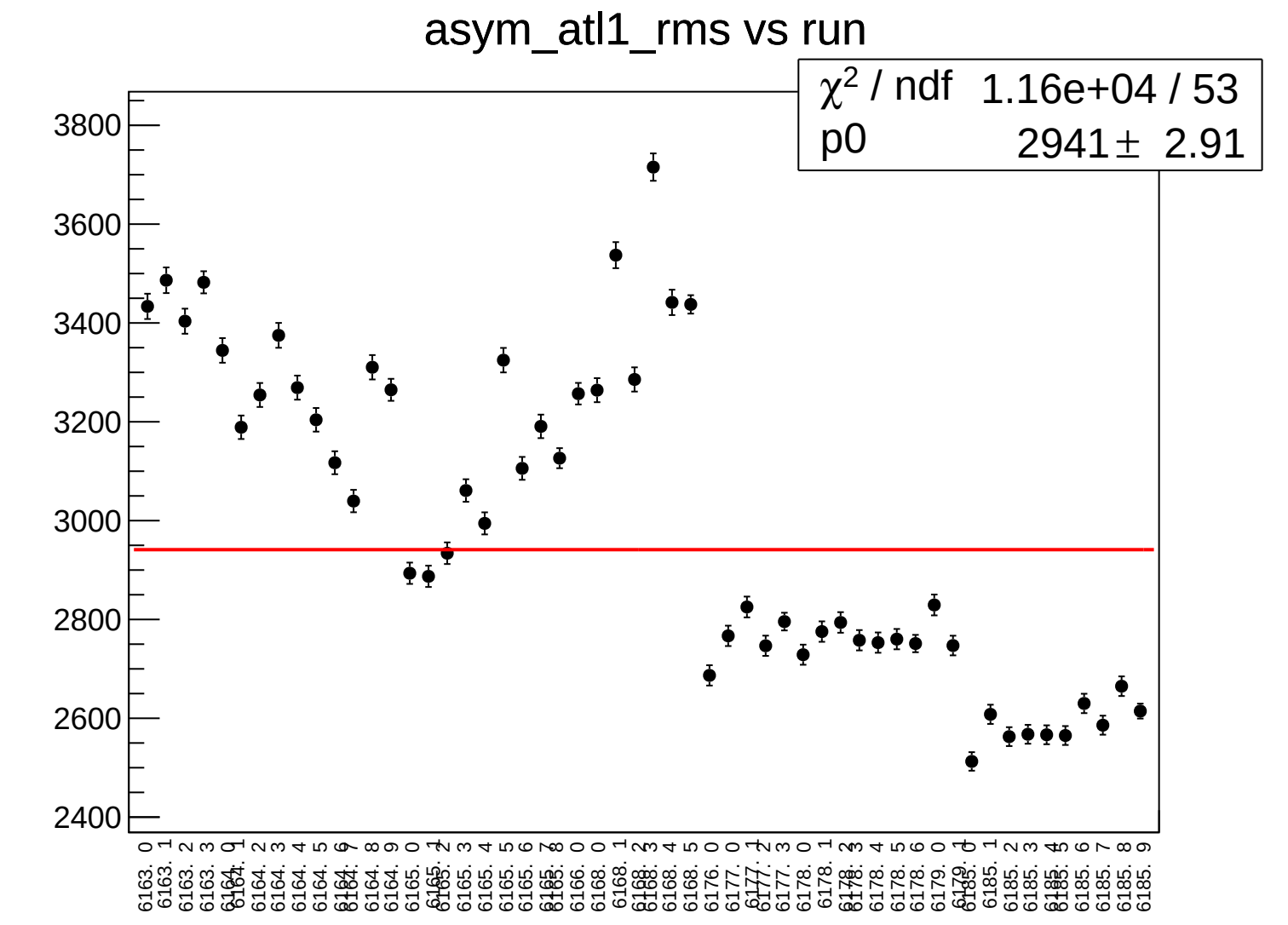

asym_atl1_eigen_dit_correction_mean vs run
χ² / ndf 59.49 / 53
p0 −3447 ± 1837
pull
Entries 54
Mean −3.008
Std Dev 0

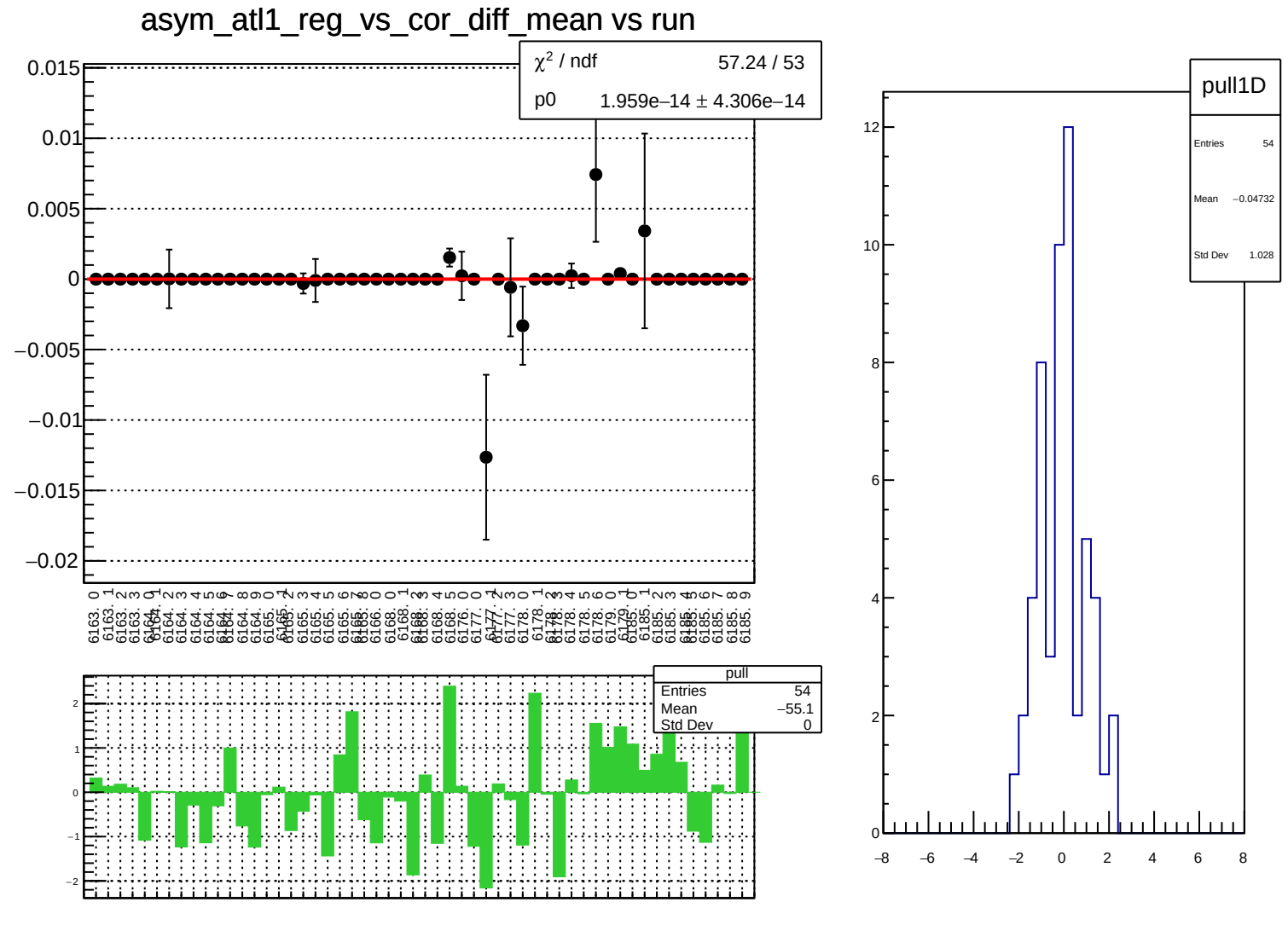

pull1D
Entries 54
Mean −0.03101
Std Dev 1.049

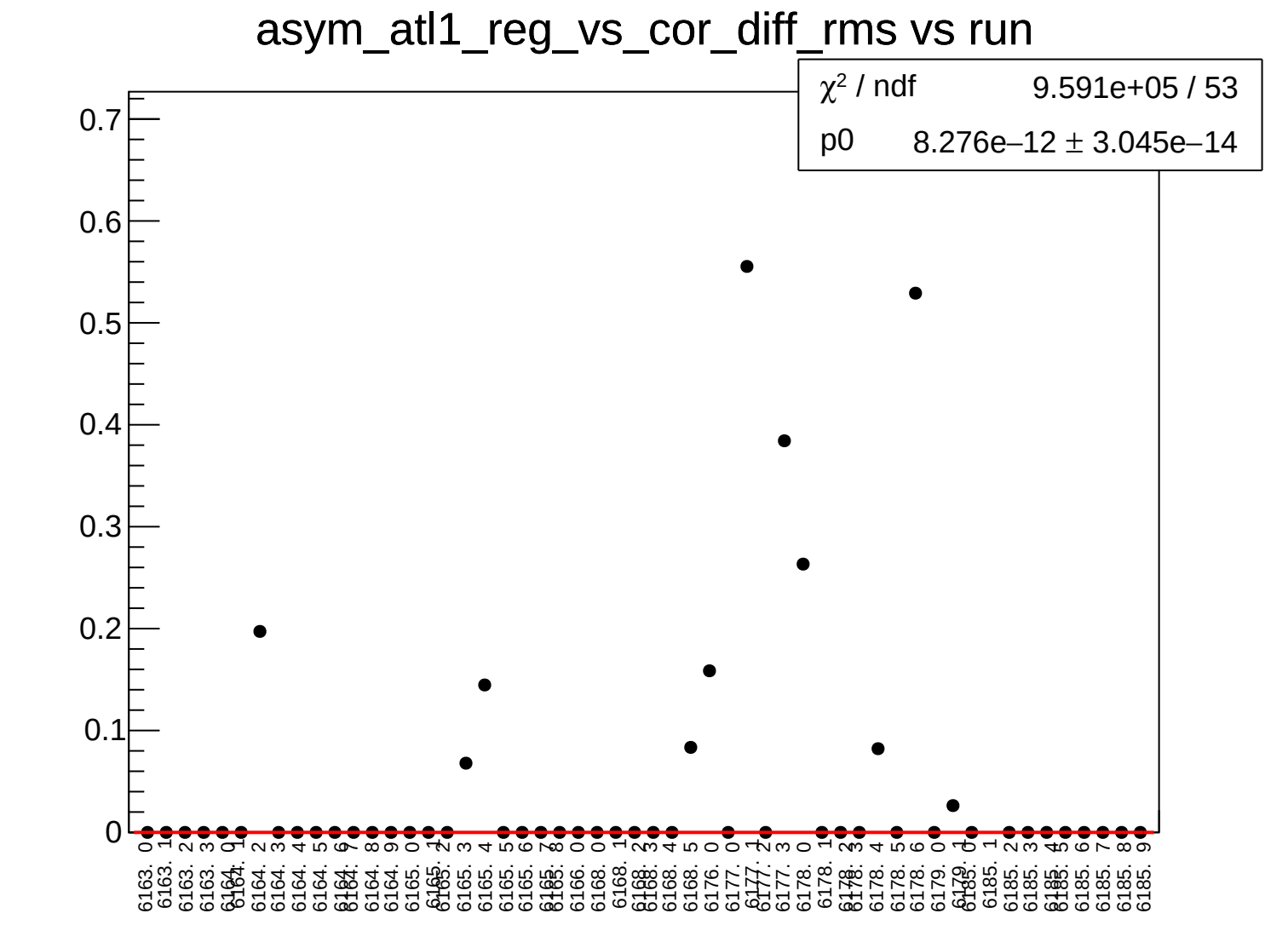

asym_atl1_eigen_dit_correction_rms vs run
χ² / ndf 1.535e+05 / 53
p0 1218 ± 1.299
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
800
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

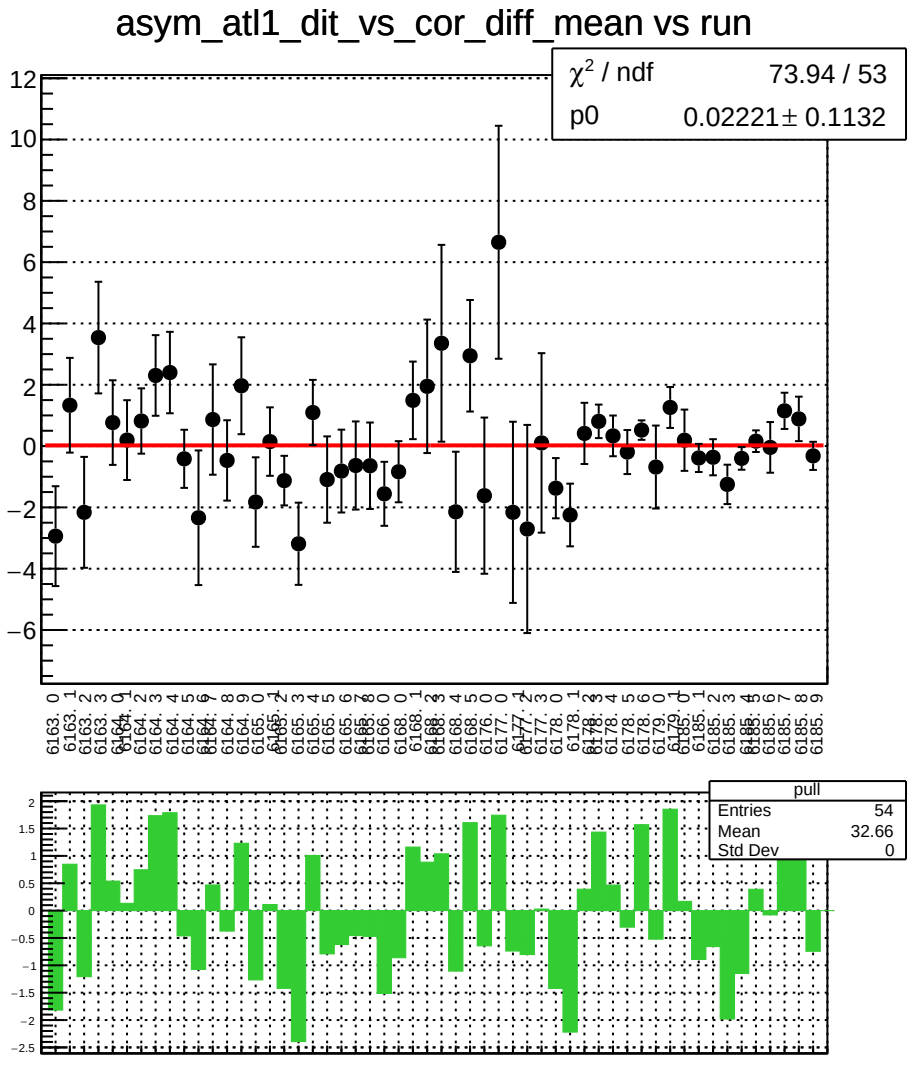

asym_atl1_mean vs run
×10^3
χ^2 / ndf 63.63 / 53
p0 2462 ± 4116
100
50
0
−50
−100
pull
Entries 54
Mean −28.18
Std Dev 0
2
1
0
−1
−2

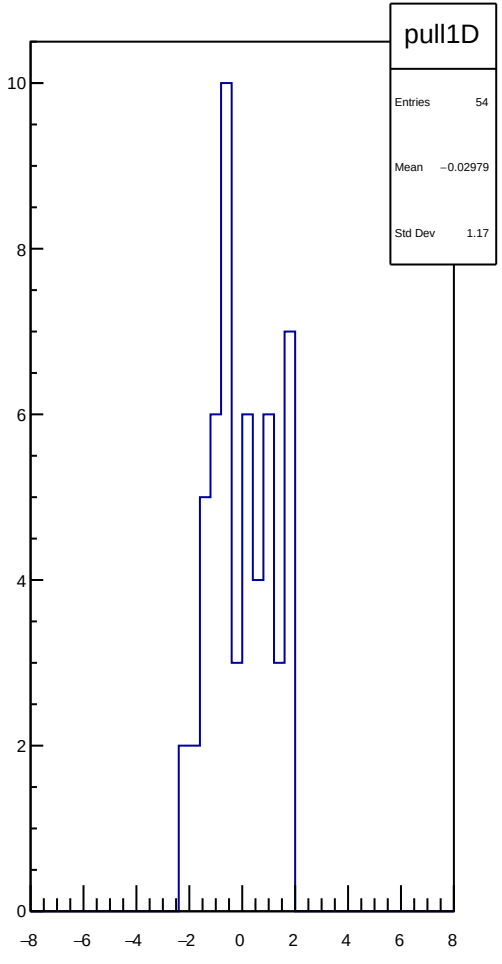

pull1D
Entries 54
Mean 0.03869
Std Dev 1.085
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

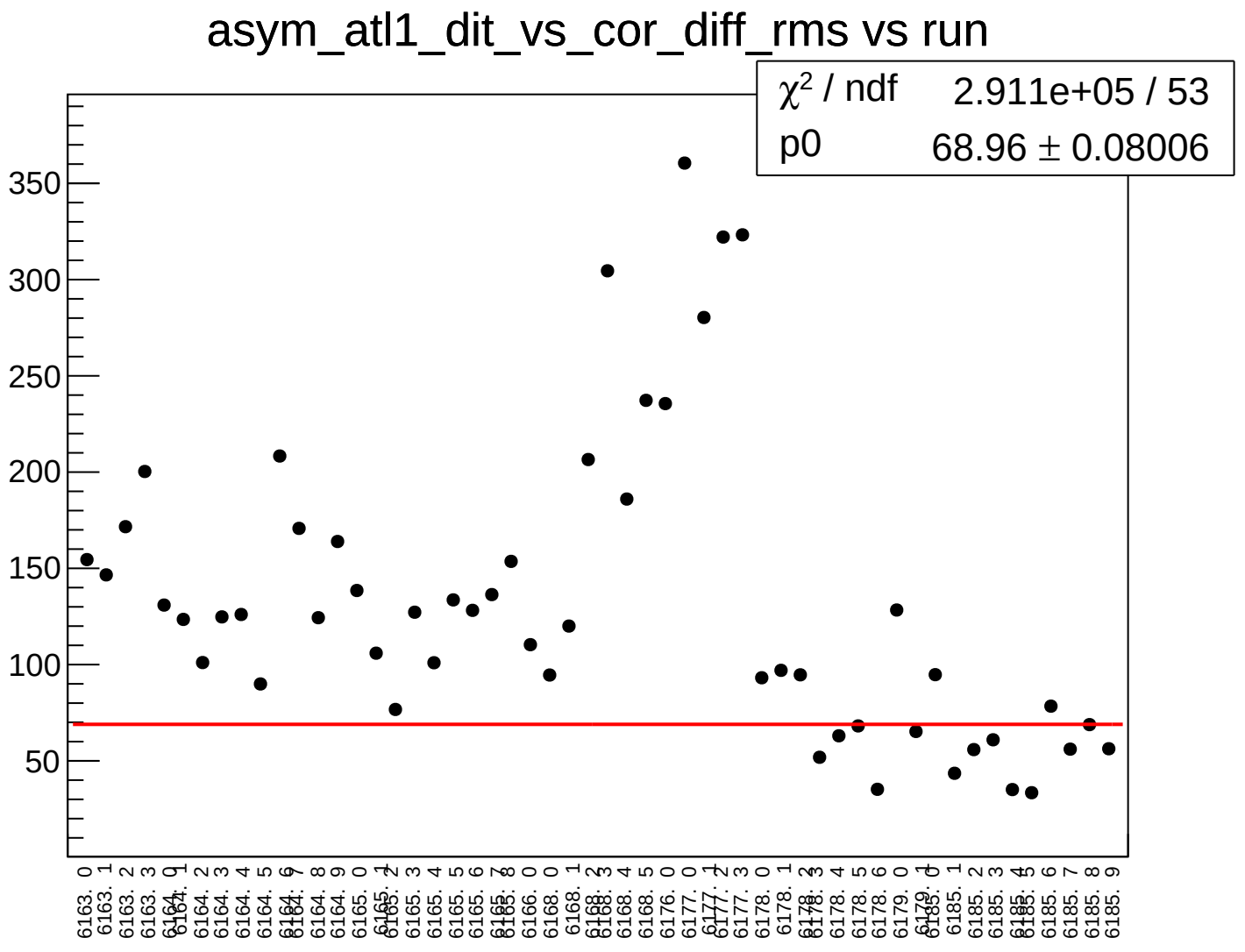

asym_atl1_rms vs run
χ² / ndf 1.16e+04 / 53
p0 2941 ± 2.91
3800
3600
3400
3200
3000
2800
2600
2400
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

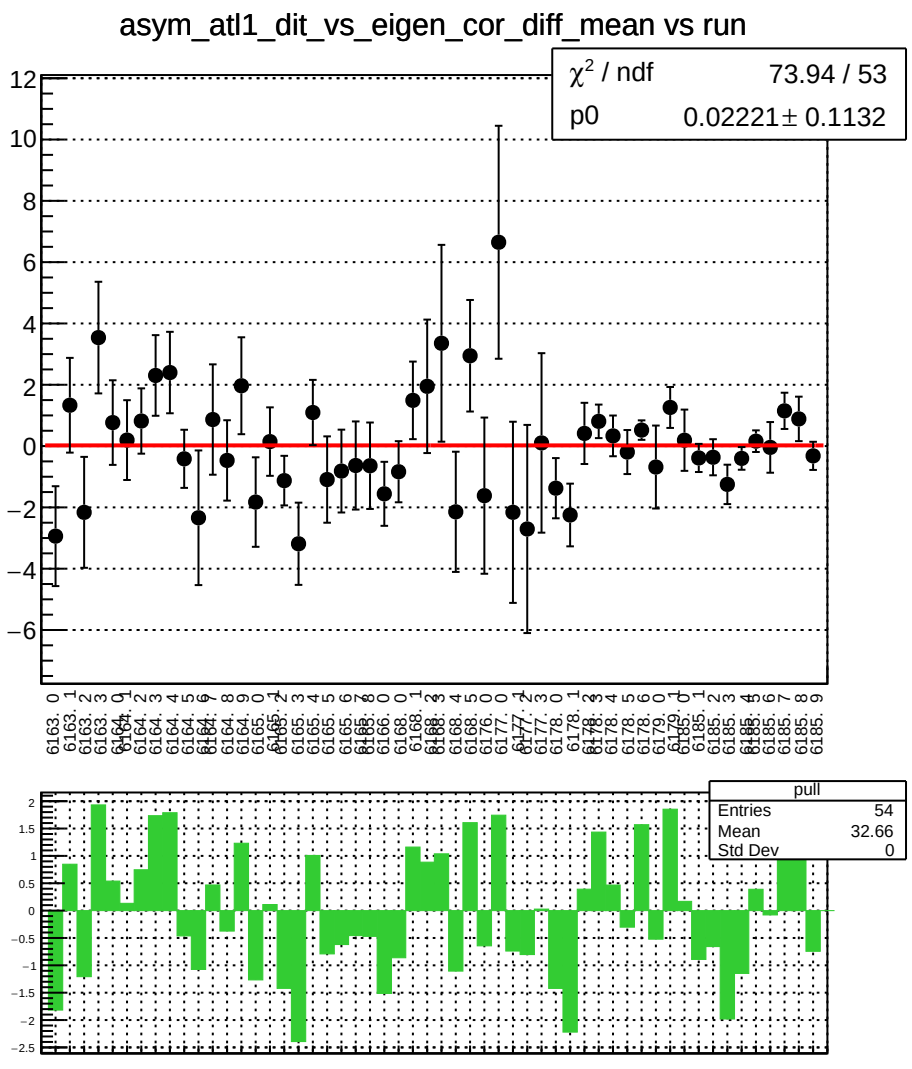

asym_atl1_reg_vs_cor_diff_mean vs run
χ² / ndf 57.24 / 53
p0 1.959e−14 ± 4.306e−14
pull
Entries 54
Mean −55.1
Std Dev 0
pull1D
Entries 54
Mean −0.04732
Std Dev 1.028

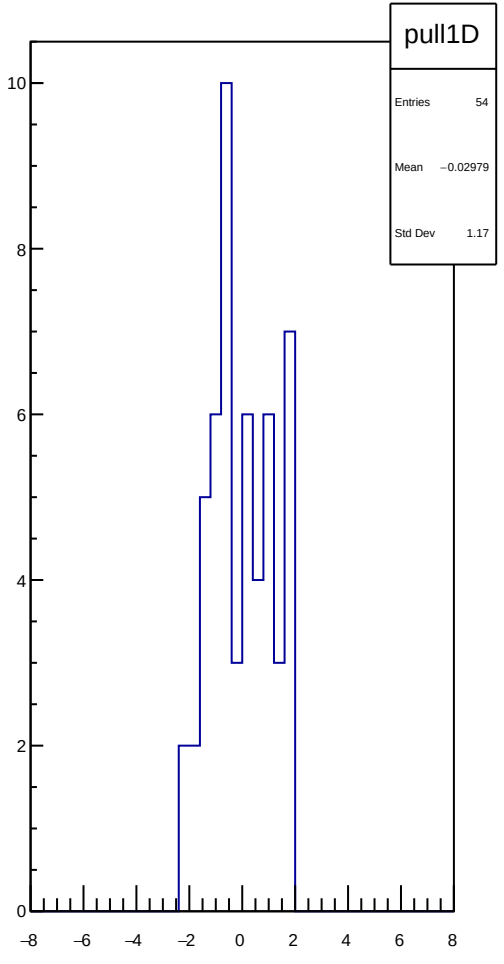

asym_atl1_reg_vs_cor_diff_rms vs run
χ² / ndf 9.591e+05 / 53
p0 8.276e−12 ± 3.045e−14
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 1
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6179. 1
6185. 0
6185. 1
6185. 2
6185. 3
6185. 4
6185. 5
6185. 6
6185. 7
6185. 8
6185. 9

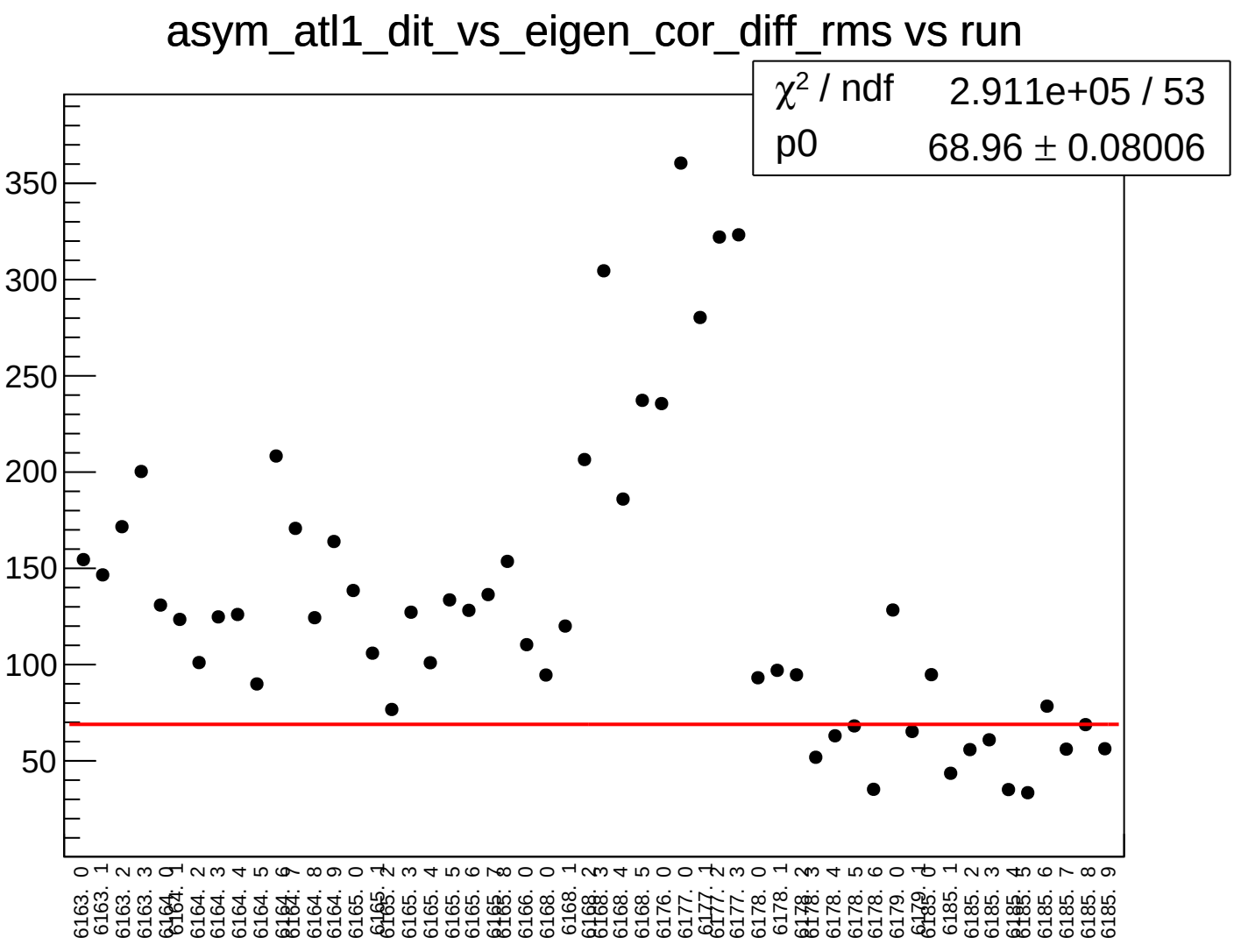

asym_atl1_dit_vs_cor_diff_mean vs run
χ² / ndf 73.94 / 53
p0 0.02221 ± 0.1132
pull
Entries 54
Mean 32.66
Std Dev 0

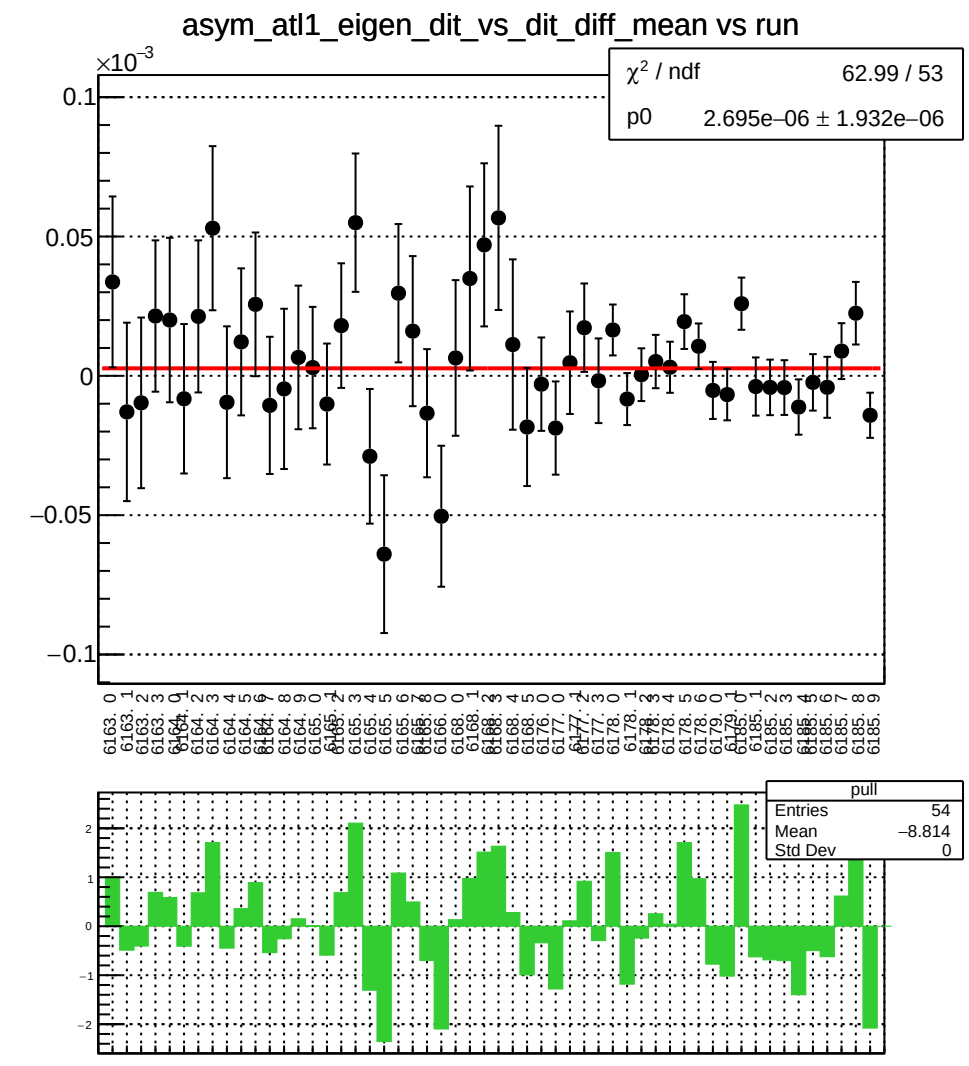

pull1D
Entries 54
Mean −0.02979
Std Dev 1.17

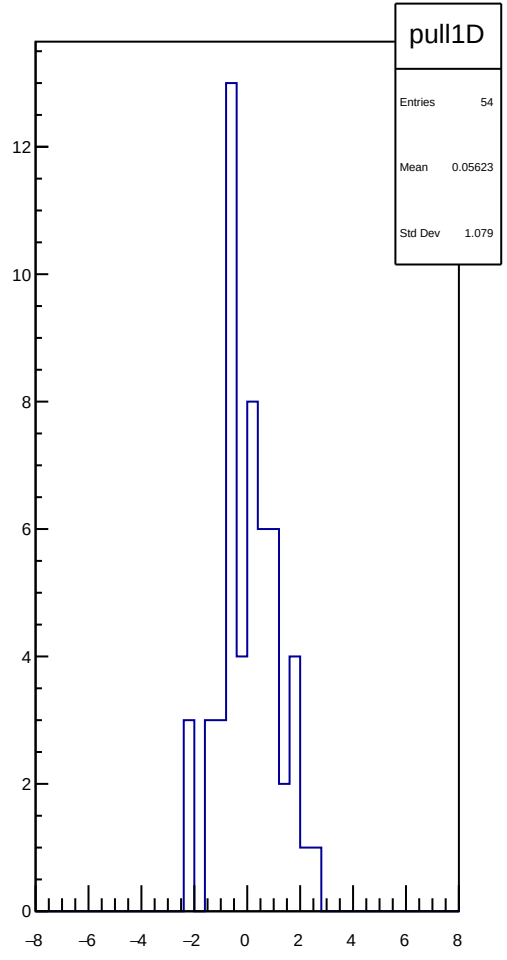

asym_atl1_dit_vs_cor_diff_rms vs run
χ² / ndf 2.911e+05 / 53
p0 68.96 ± 0.08006
350
300
250
200
150
100
50
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

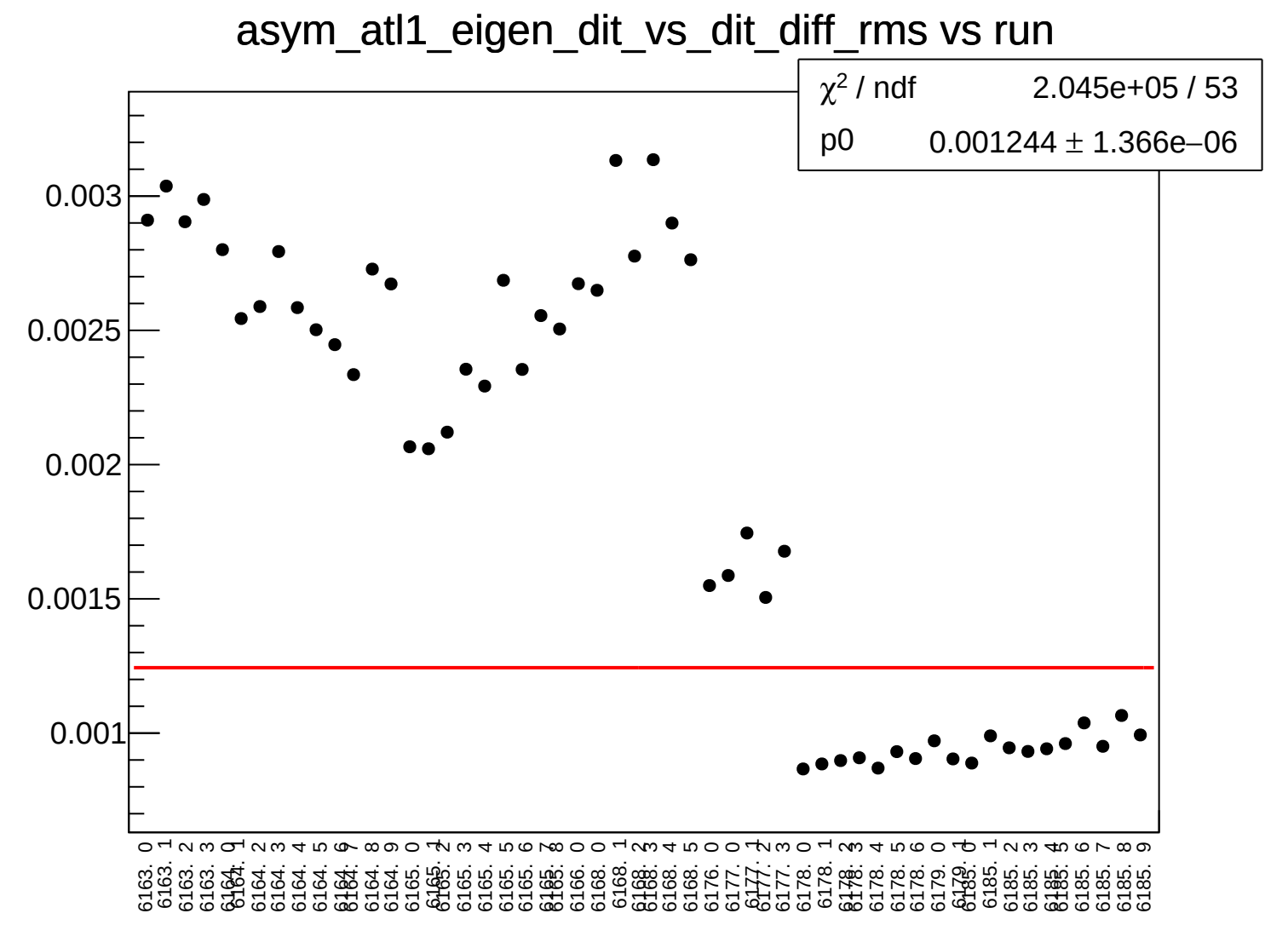

asym_atl1_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 73.94 / 53
p0 0.02221 ± 0.1132
pull
Entries 54
Mean 32.66
Std Dev 0

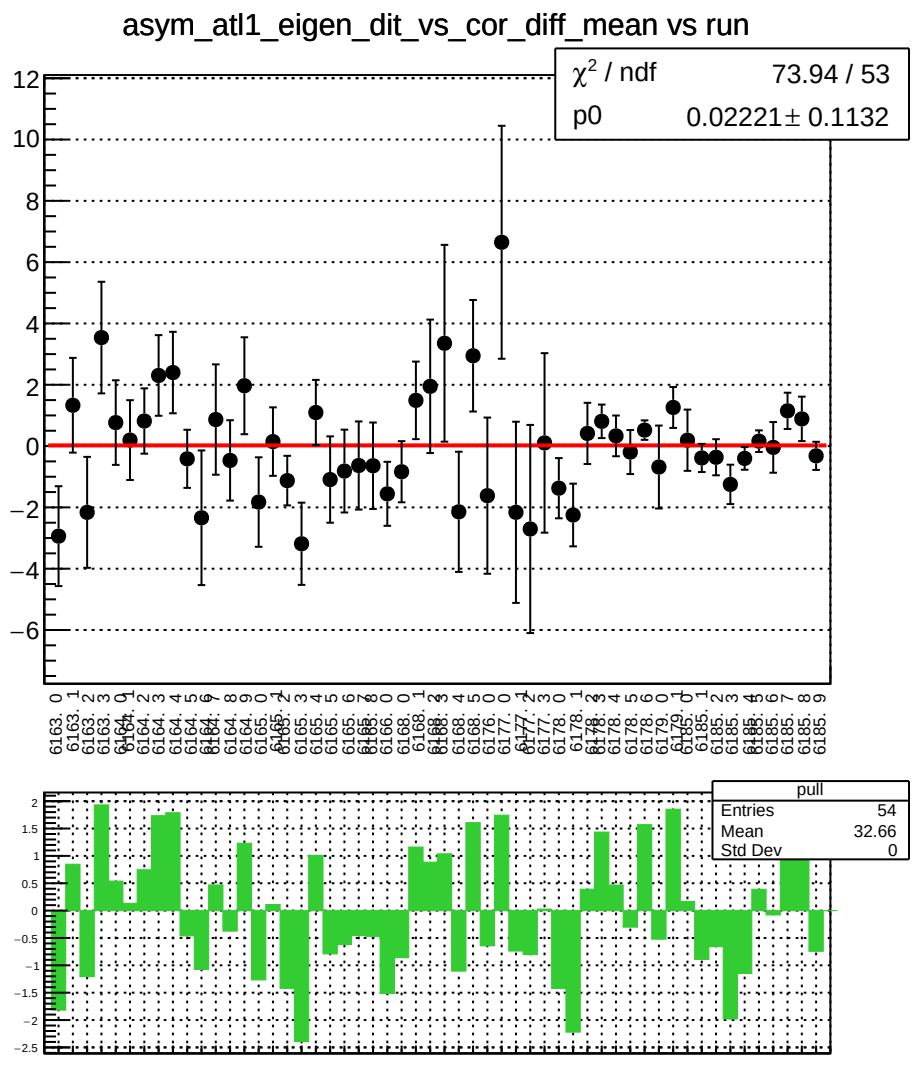

pull1D
Entries 54
Mean −0.02979
Std Dev 1.17

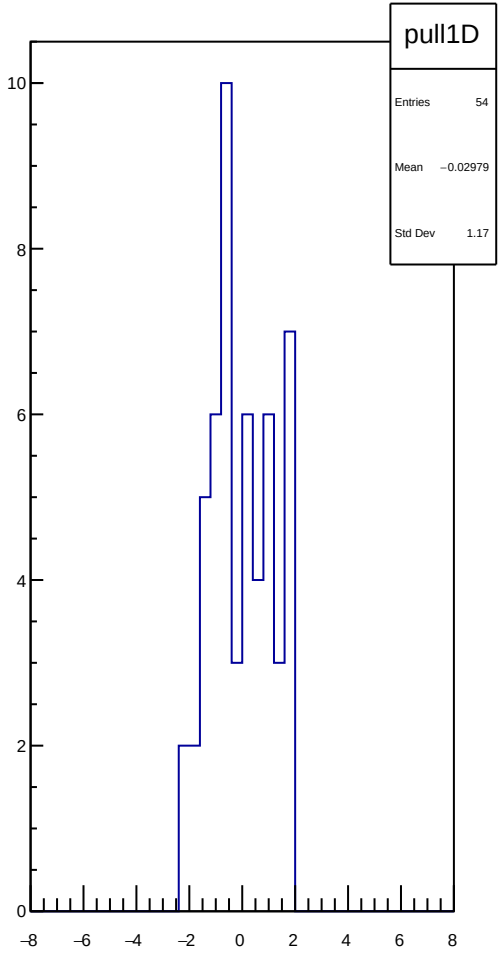

asym_atl1_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 2.911e+05 / 53
p0 68.96 ± 0.08006
350
300
250
200
150
100
50
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

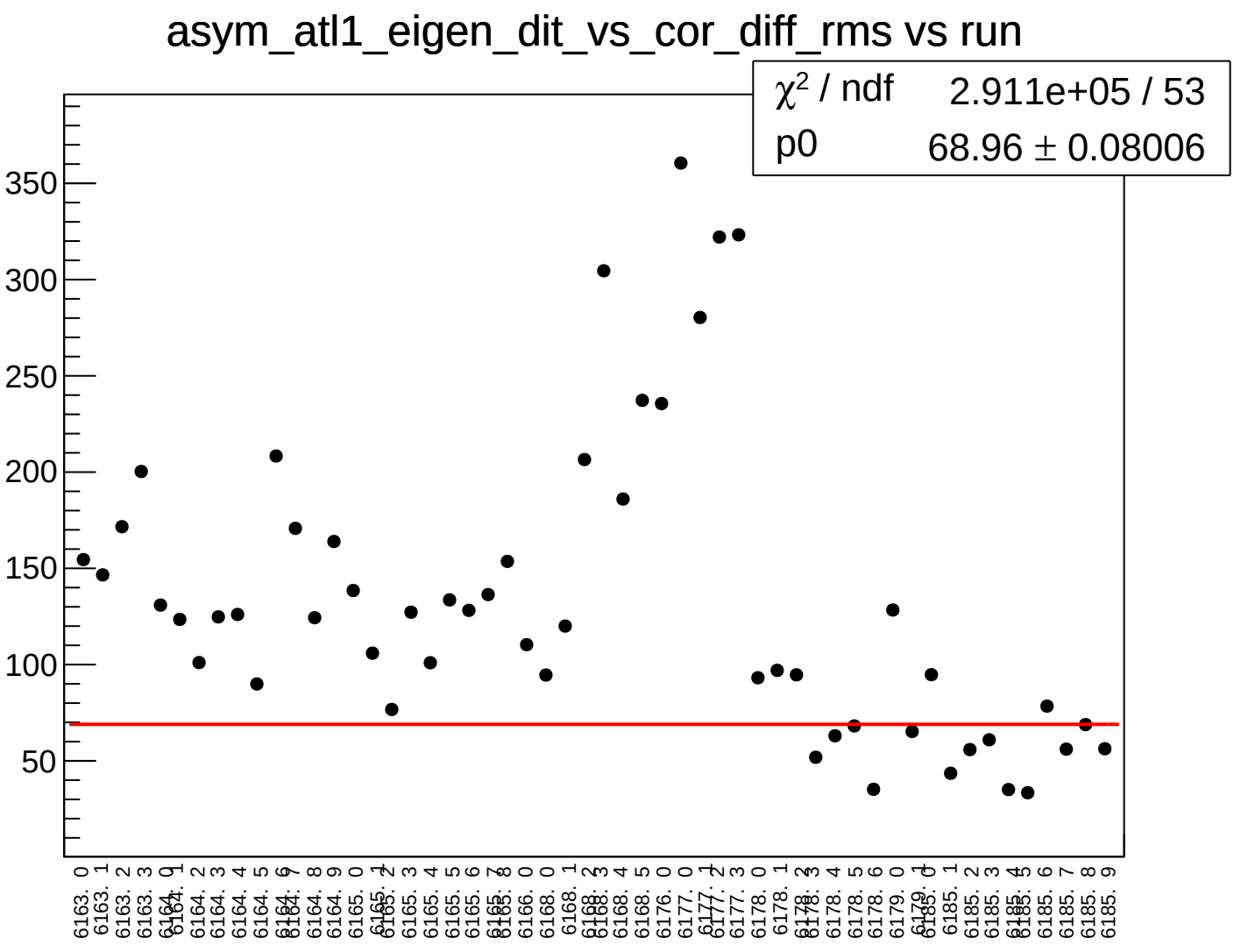

asym_atl1_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 62.99 / 53
p0 2.695e−06 ± 1.932e−06
0.1
0.05
0
−0.05
−0.1
pull
Entries 54
Mean −8.814
Std Dev 0
2
1
0
−1
−2

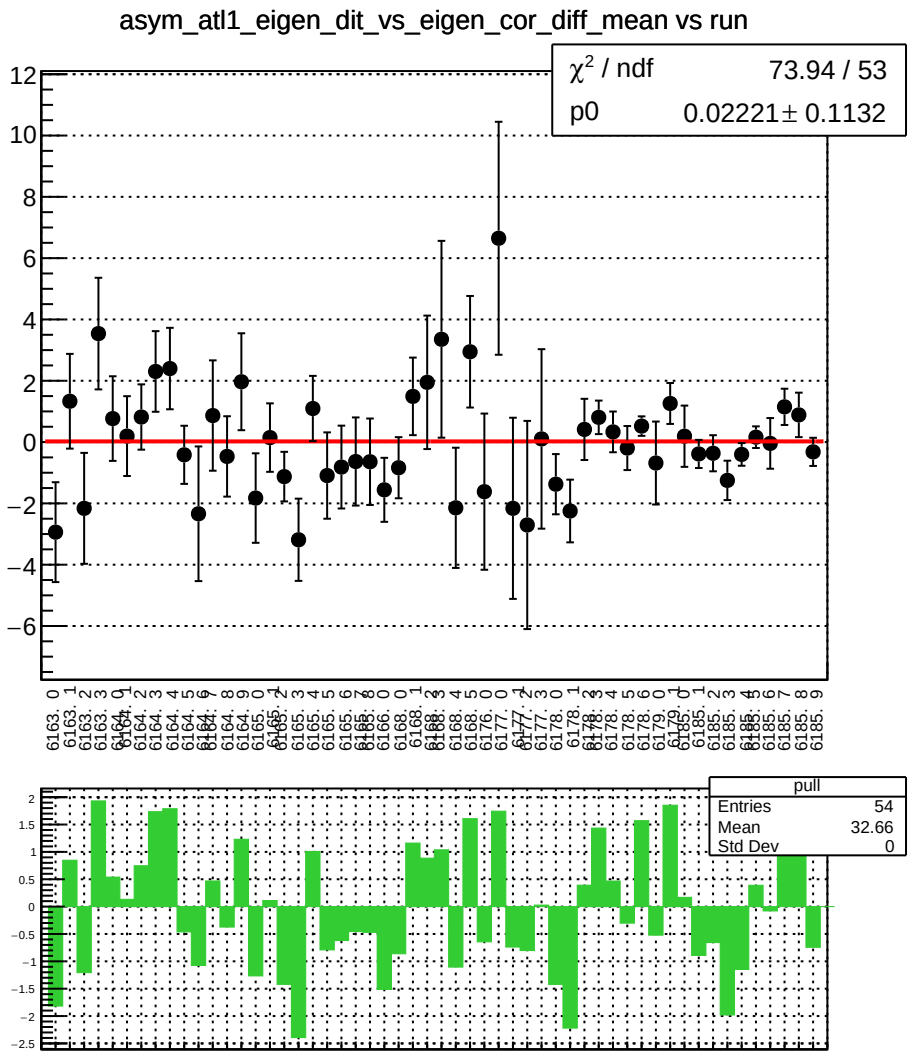

pull1D
Entries 54
Mean 0.05623
Std Dev 1.079
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

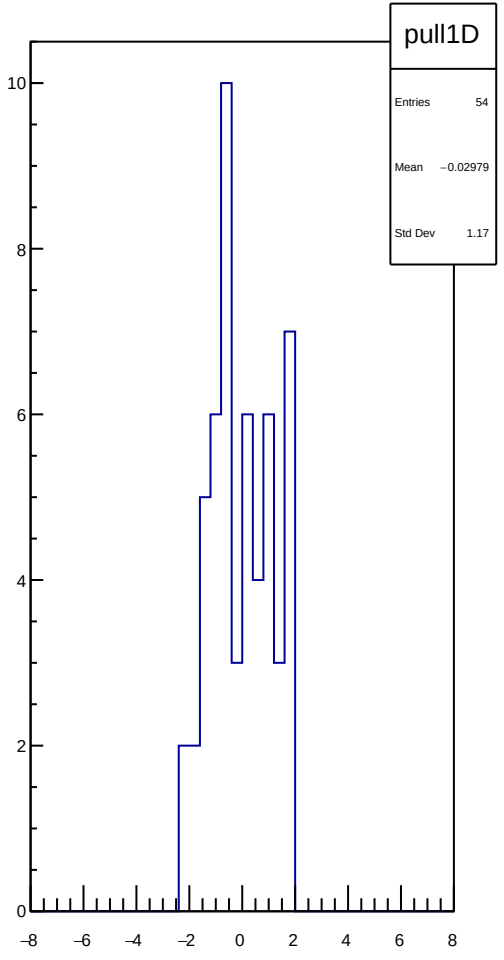

asym_atl1_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.045e+05 / 53
p0 0.001244 ± 1.366e−06
0.003
0.0025
0.002
0.0015
0.001
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

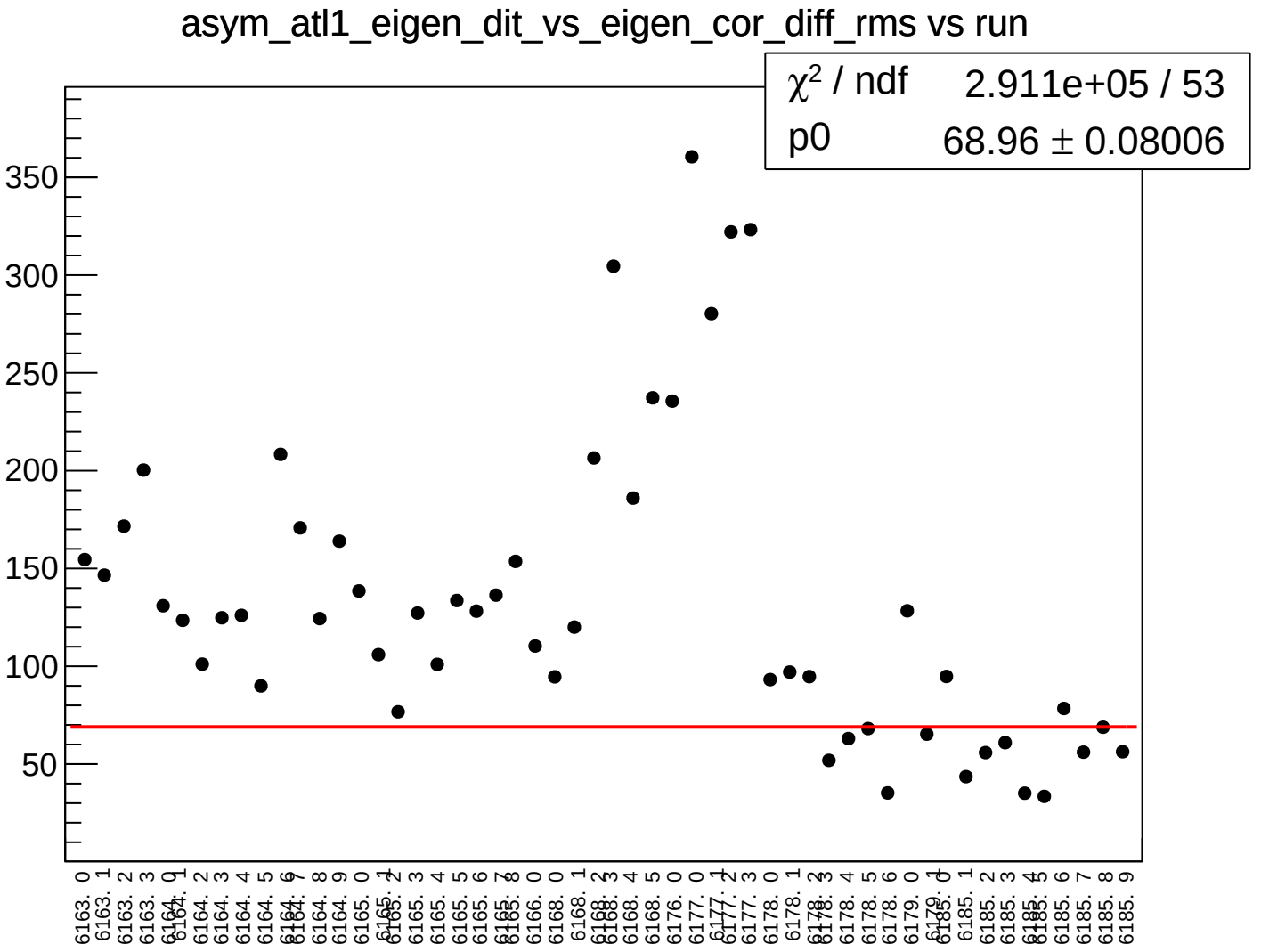

asym_atl1_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 73.94 / 53
p0 0.02221 ± 0.1132
pull
Entries 54
Mean 32.66
Std Dev 0

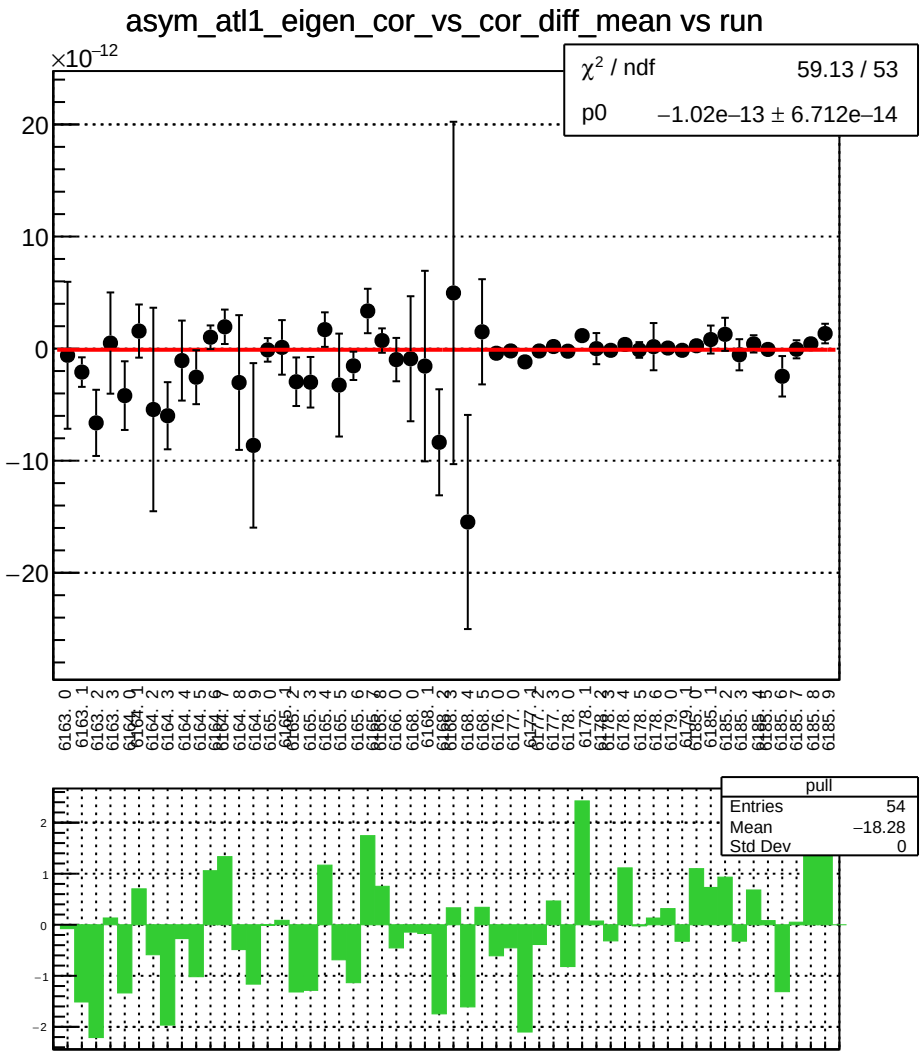

pull1D
Entries 54
Mean −0.02979
Std Dev 1.17

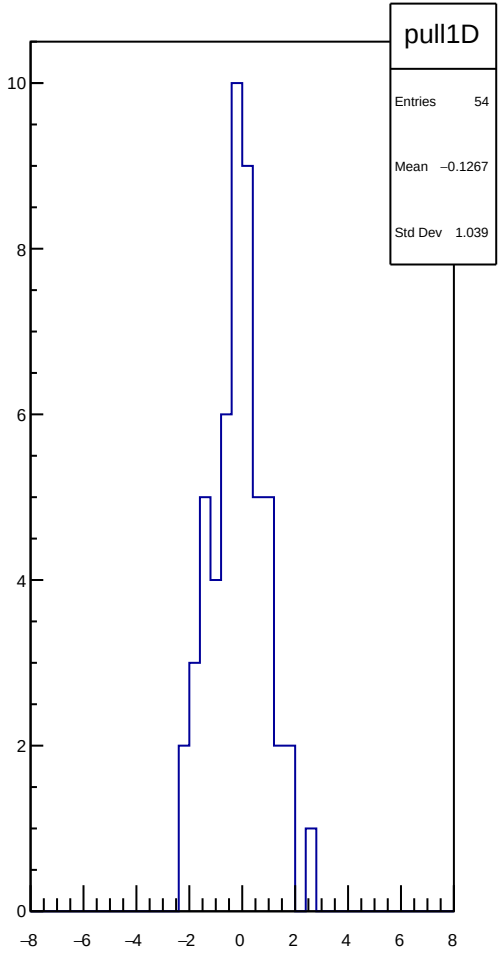

asym_atl1_eigen_dit_vs_cor_diff_rms vs run
χ^2 / ndf 2.911e+05 / 53
p0 68.96 ± 0.08006
350
300
250
200
150
100
50
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

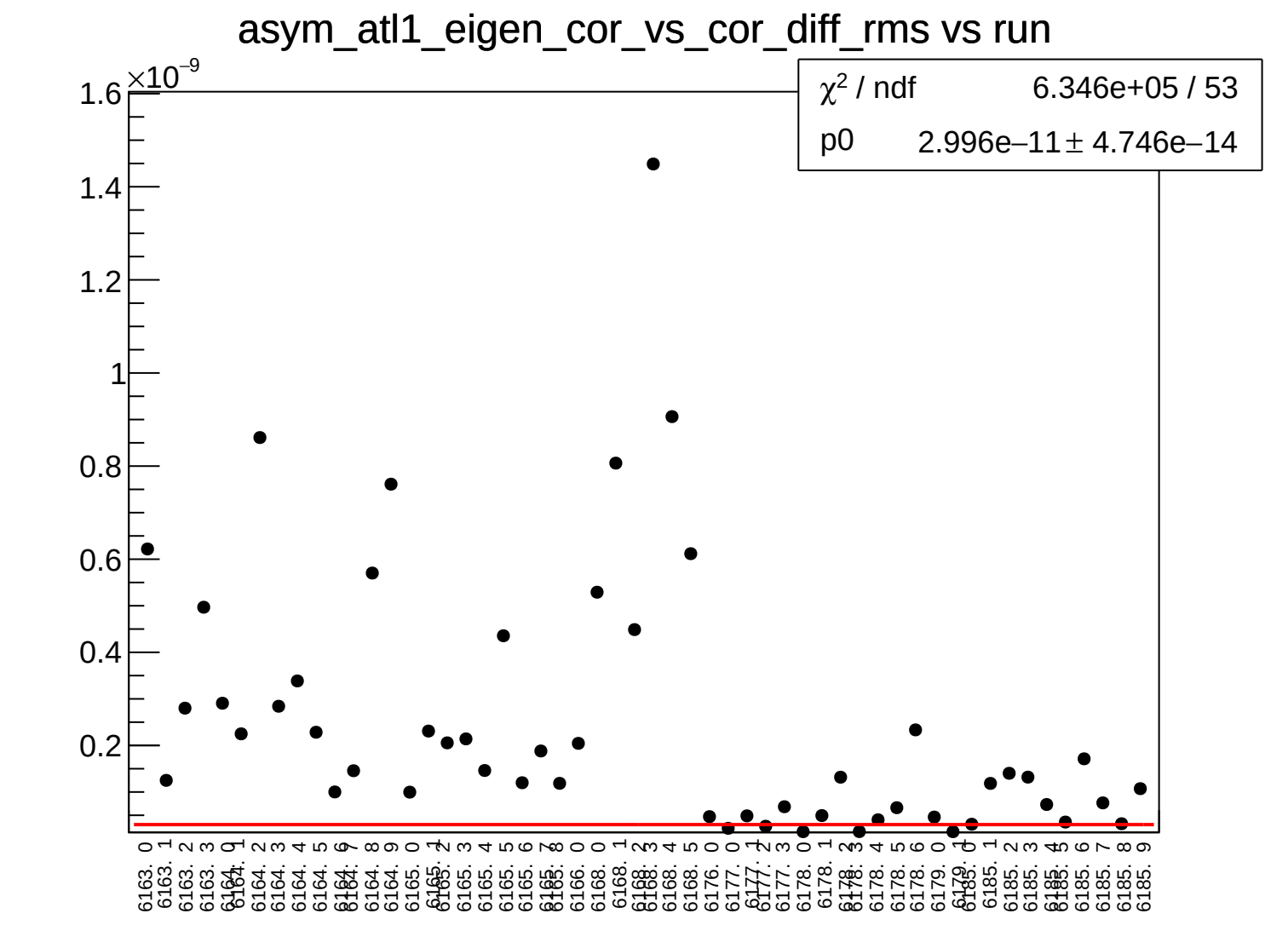

asym_atl1_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 73.94 / 53
p0 0.02221 ± 0.1132
pull
Entries 54
Mean 32.66
Std Dev 0

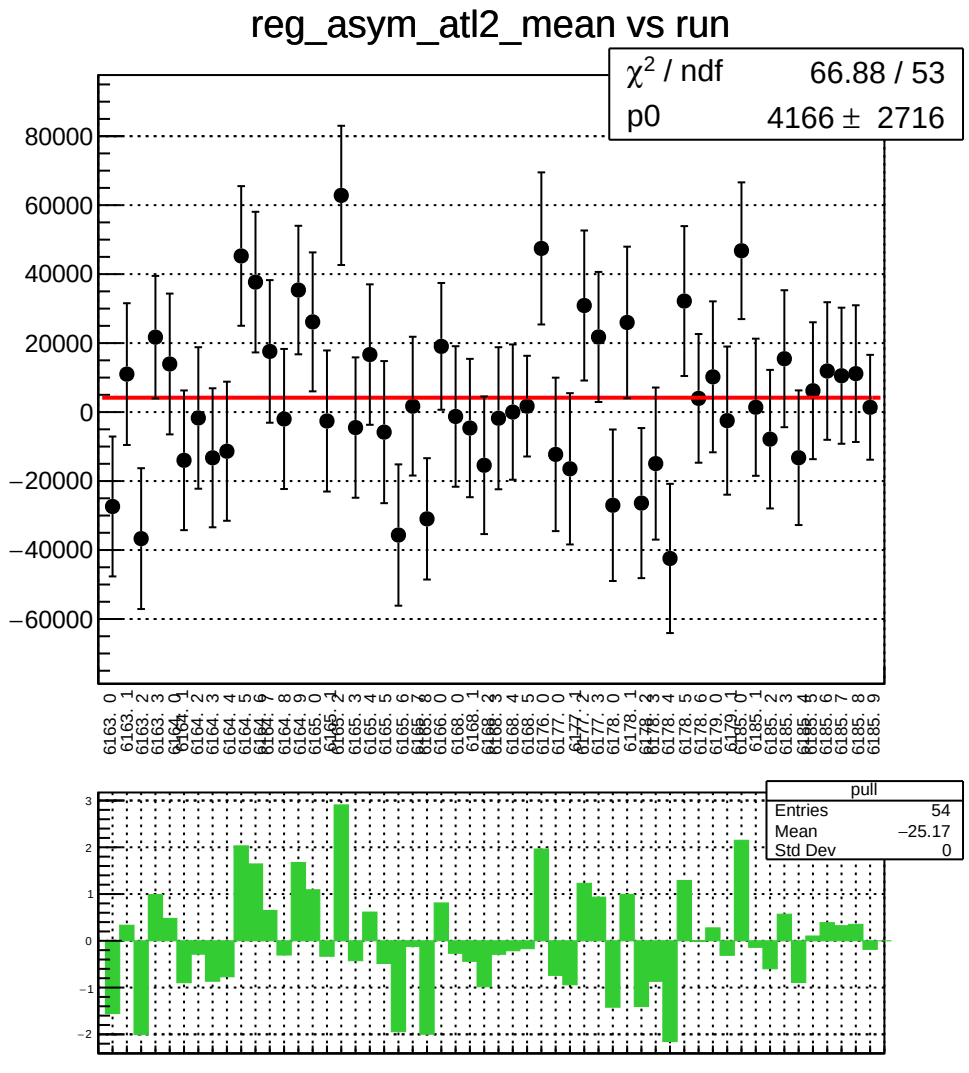

pull1D
Entries 54
Mean −0.02979
Std Dev 1.17

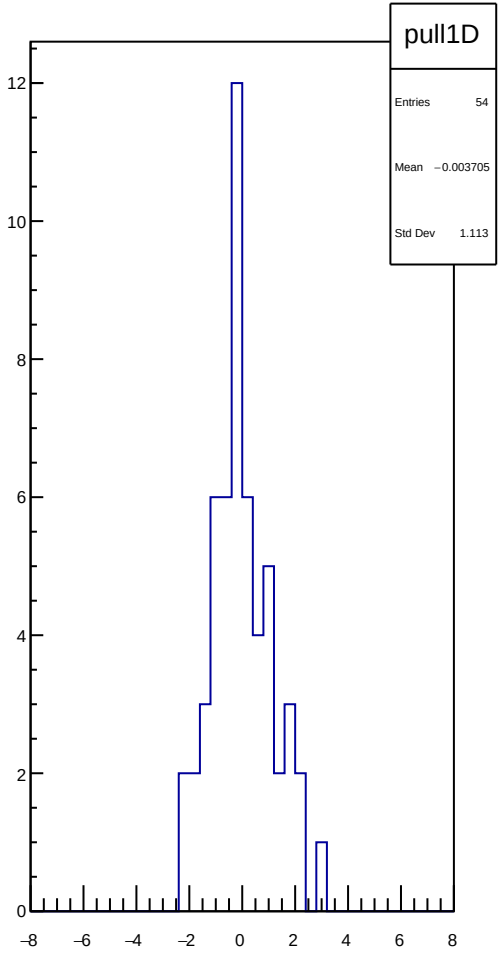

asym_atl1_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.911e+05 / 53
p0 68.96 ± 0.08006
350
300
250
200
150
100
50
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

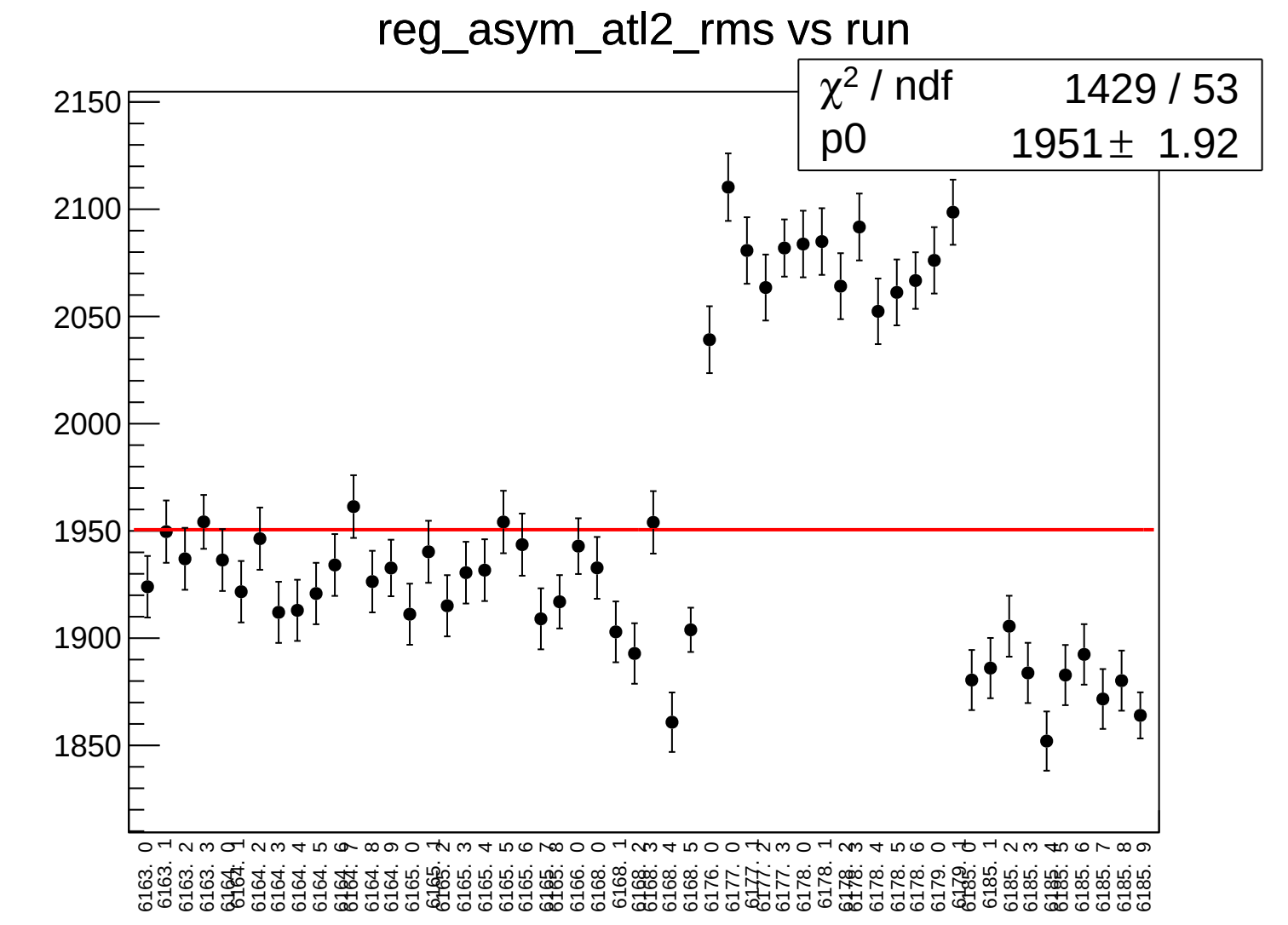

asym_atl1_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 59.13 / 53
p0 −1.02e−13 ± 6.712e−14
pull
Entries 54
Mean −18.28
Std Dev 0

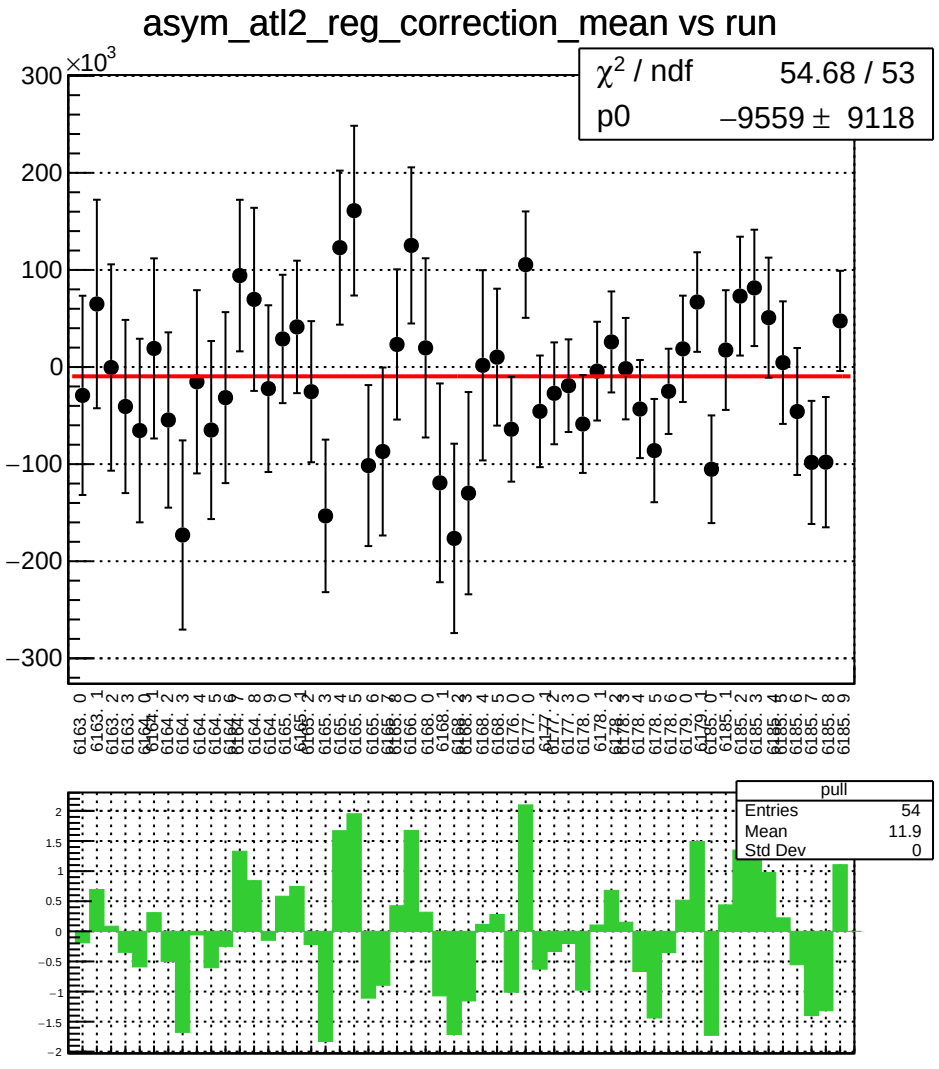

pull1D
Entries 54
Mean −0.1267
Std Dev 1.039

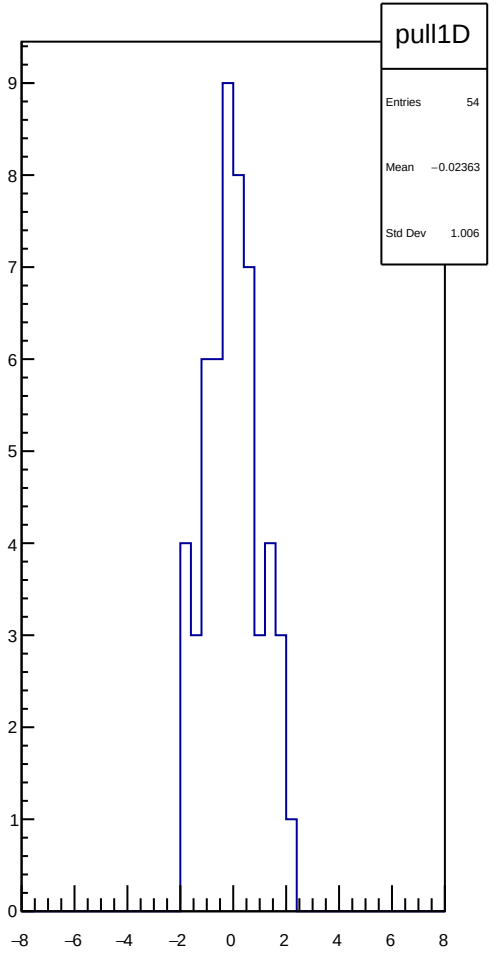

asym_atl1_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
χ² / ndf 6.346e+05 / 53
p0 2.996e−11 ± 4.746e−14
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

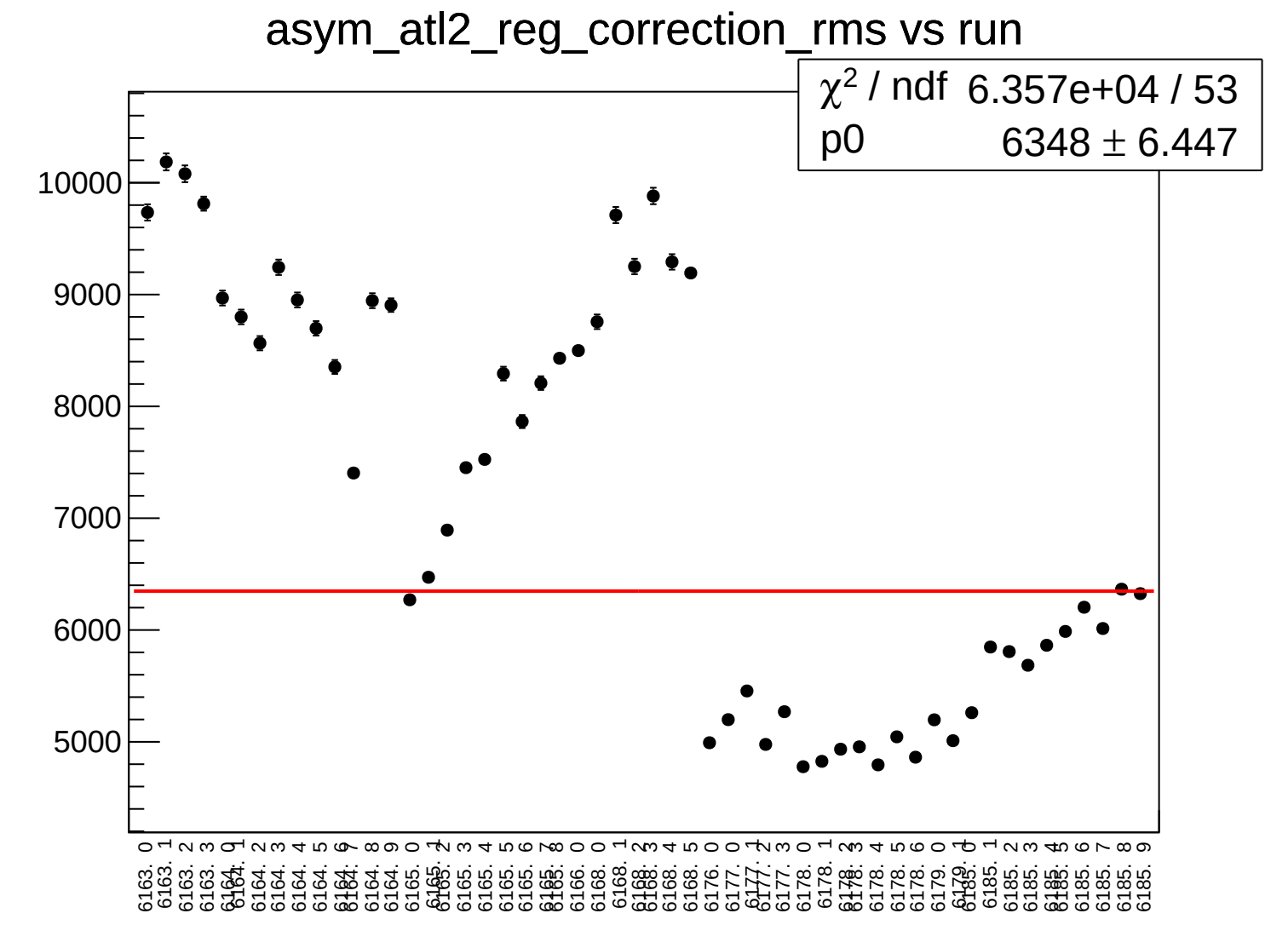

reg_asym_atl2_mean vs run
χ² / ndf 66.88 / 53
p0 4166 ± 2716
pull
Entries 54
Mean −25.17
Std Dev 0

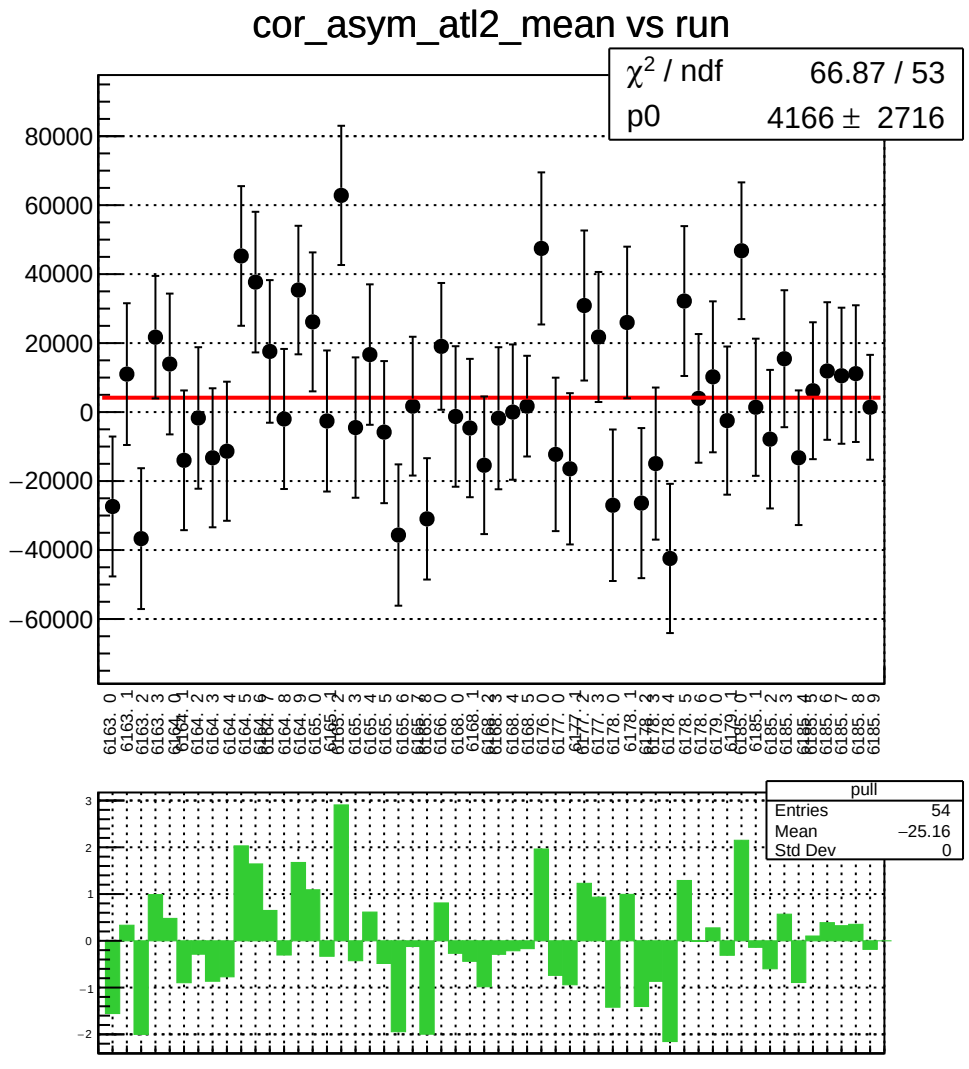

pull1D
Entries 54
Mean −0.003705
Std Dev 1.113

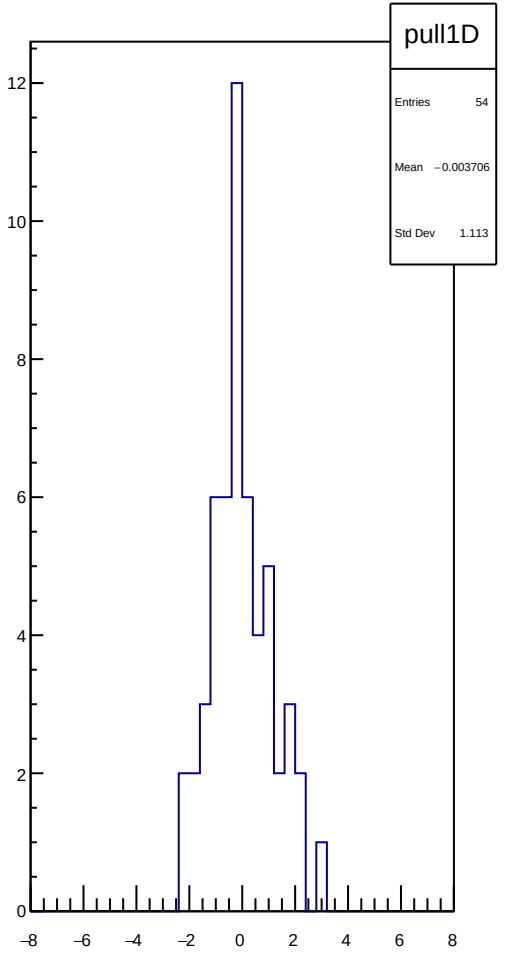

reg_asym_atl2_rms vs run
χ² / ndf 1429 / 53
p0 1951 ± 1.92
2150
2100
2050
2000
1950
1900
1850
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

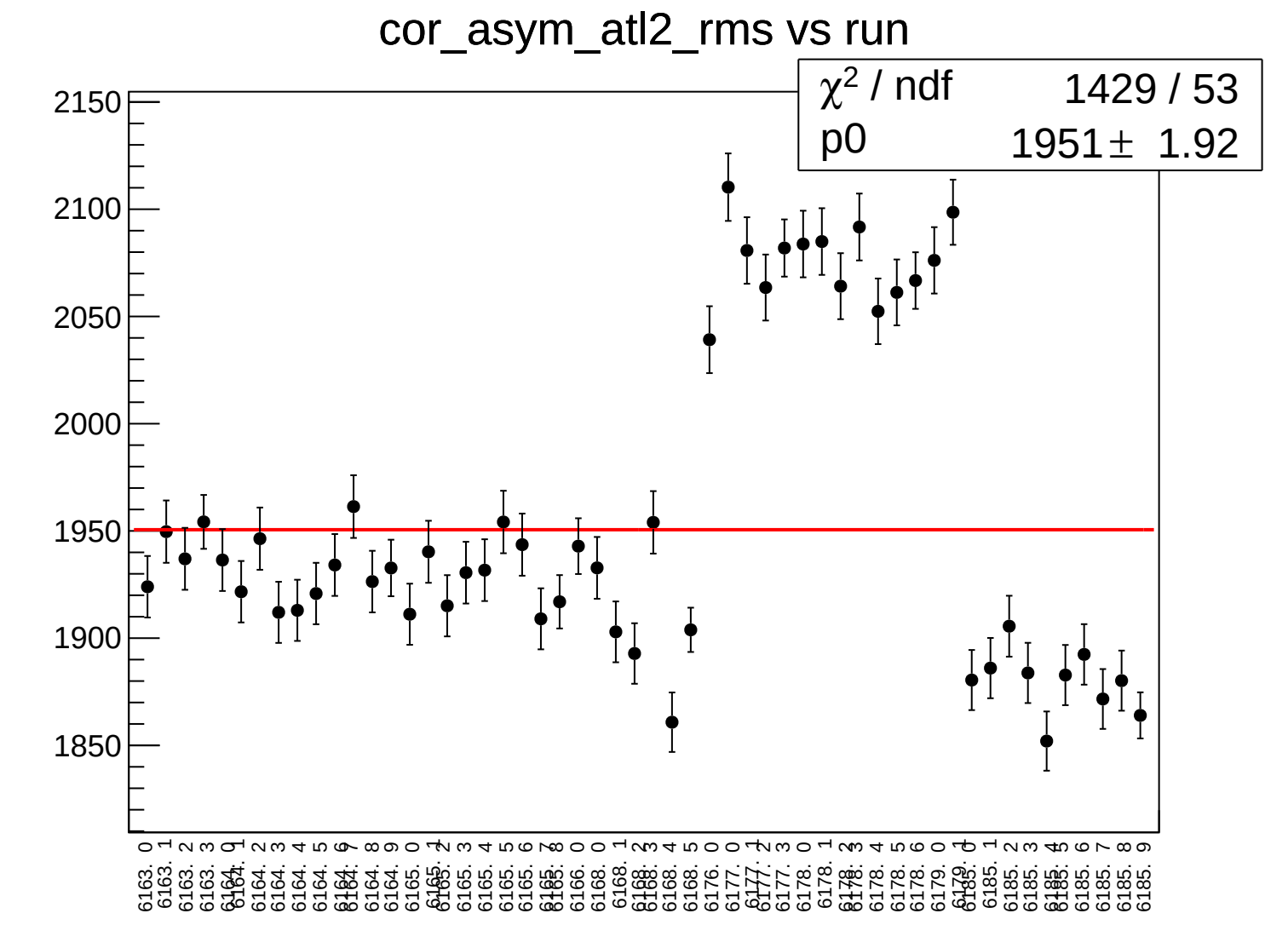

asym_atl2_reg_correction_mean vs run
χ² / ndf 54.68 / 53
p0 −9559 ± 9118
pull
Entries 54
Mean 11.9
Std Dev 0

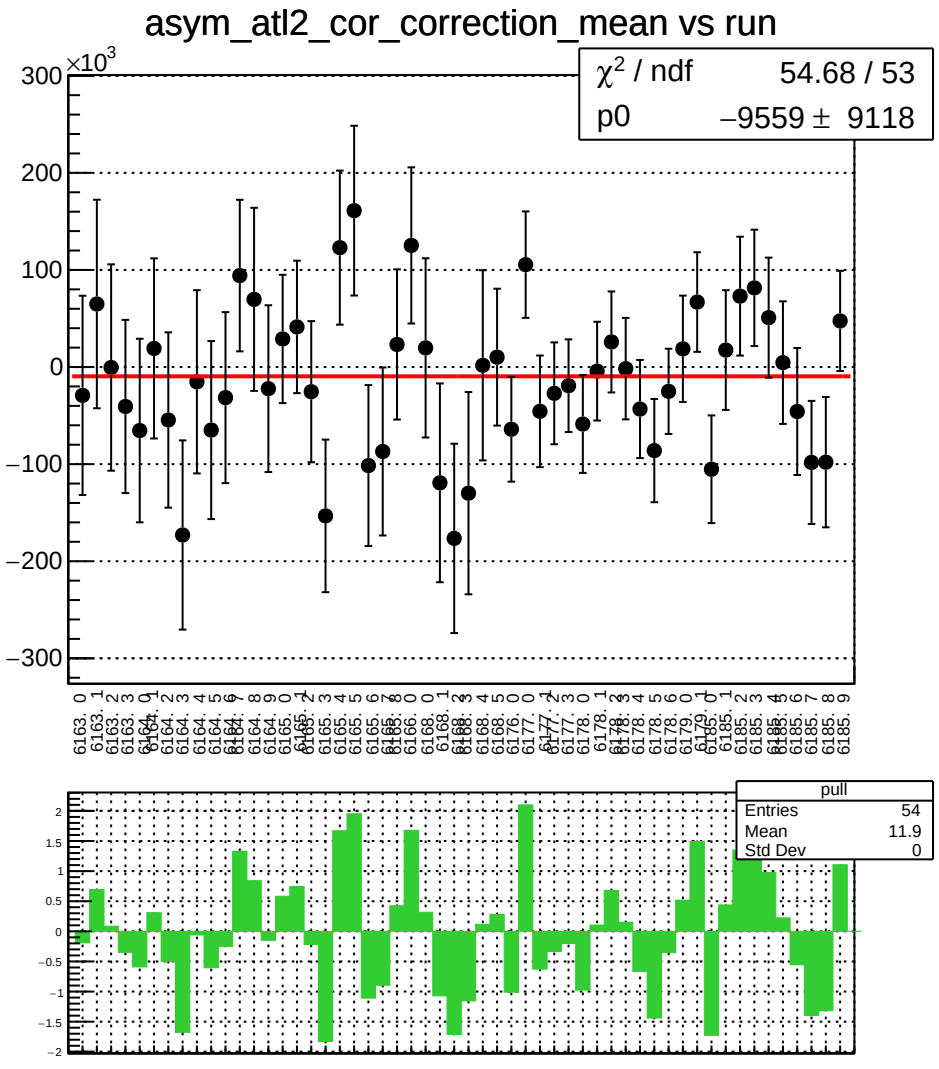

pull1D
Entries 54
Mean −0.02363
Std Dev 1.006

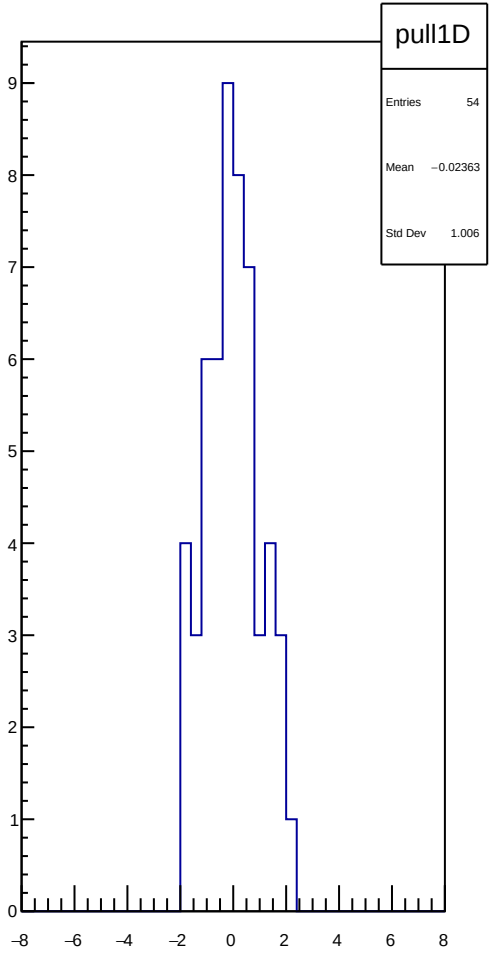

asym_atl2_reg_correction_rms vs run
χ² / ndf 6.357e+04 / 53
p0 6348 ± 6.447
10000
9000
8000
7000
6000
5000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

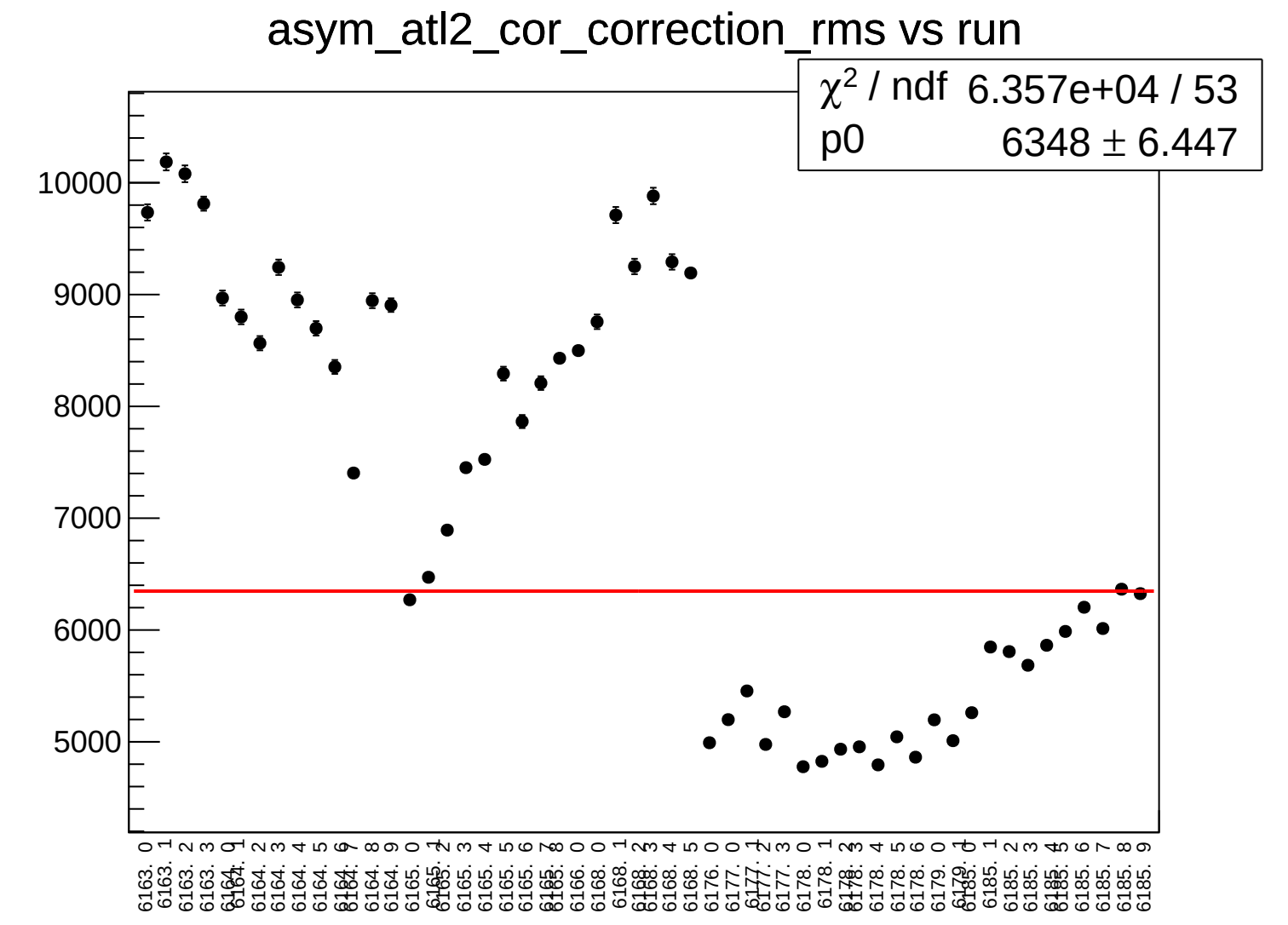

cor_asym_atl2_mean vs run
χ² / ndf 66.87 / 53
p0 4166 ± 2716
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean −25.16
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 54
Mean −0.003706
Std Dev 1.113
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_atl2_rms vs run
χ² / ndf 1429 / 53
p0 1951 ± 1.92
2150
2100
2050
2000
1950
1900
1850
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


asym_atl2_cor_correction_mean vs run
χ² / ndf 54.68 / 53
p0 −9559 ± 9118
×10³
pull
Entries 54
Mean 11.9
Std Dev 0


pull1D
Entries 54
Mean −0.02363
Std Dev 1.006


asym_atl2_cor_correction_rms vs run
χ² / ndf 6.357e+04 / 53
p0 6348 ± 6.447
10000
9000
8000
7000
6000
5000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
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6179. 0
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6185. 6
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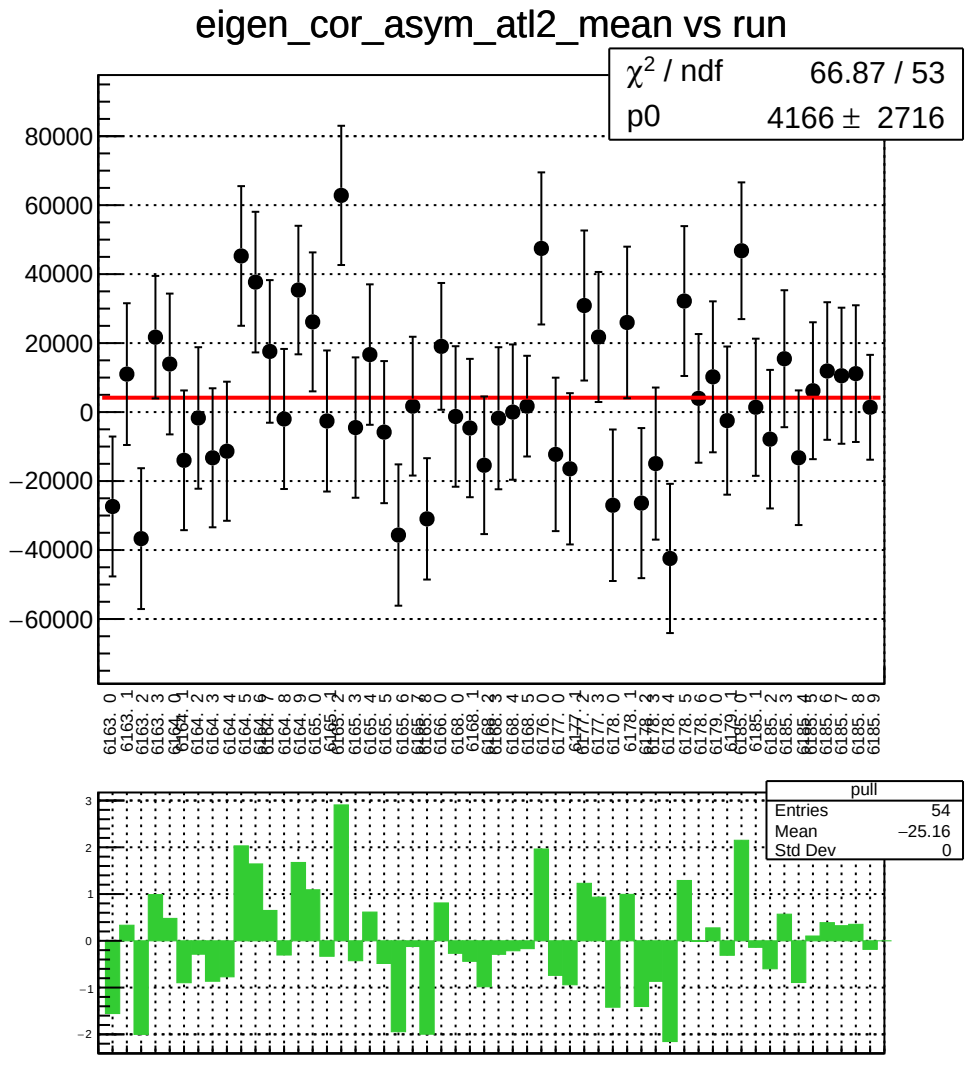
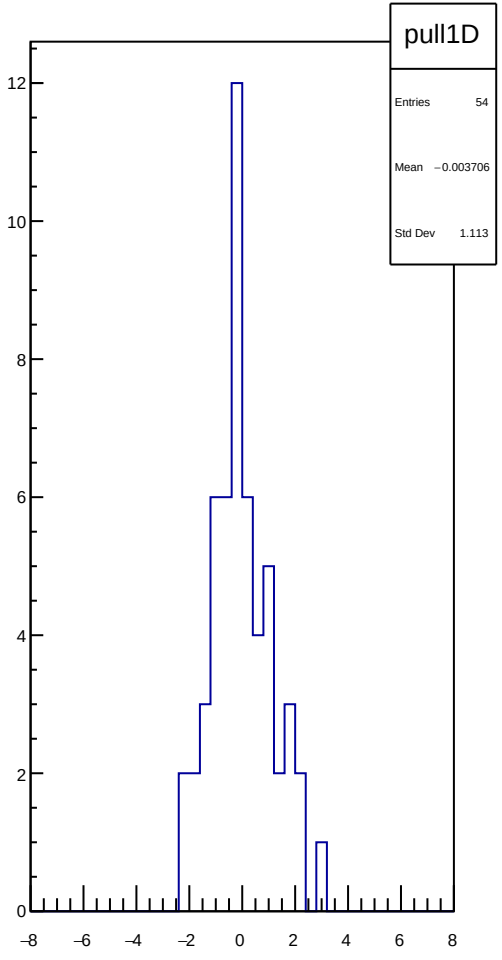
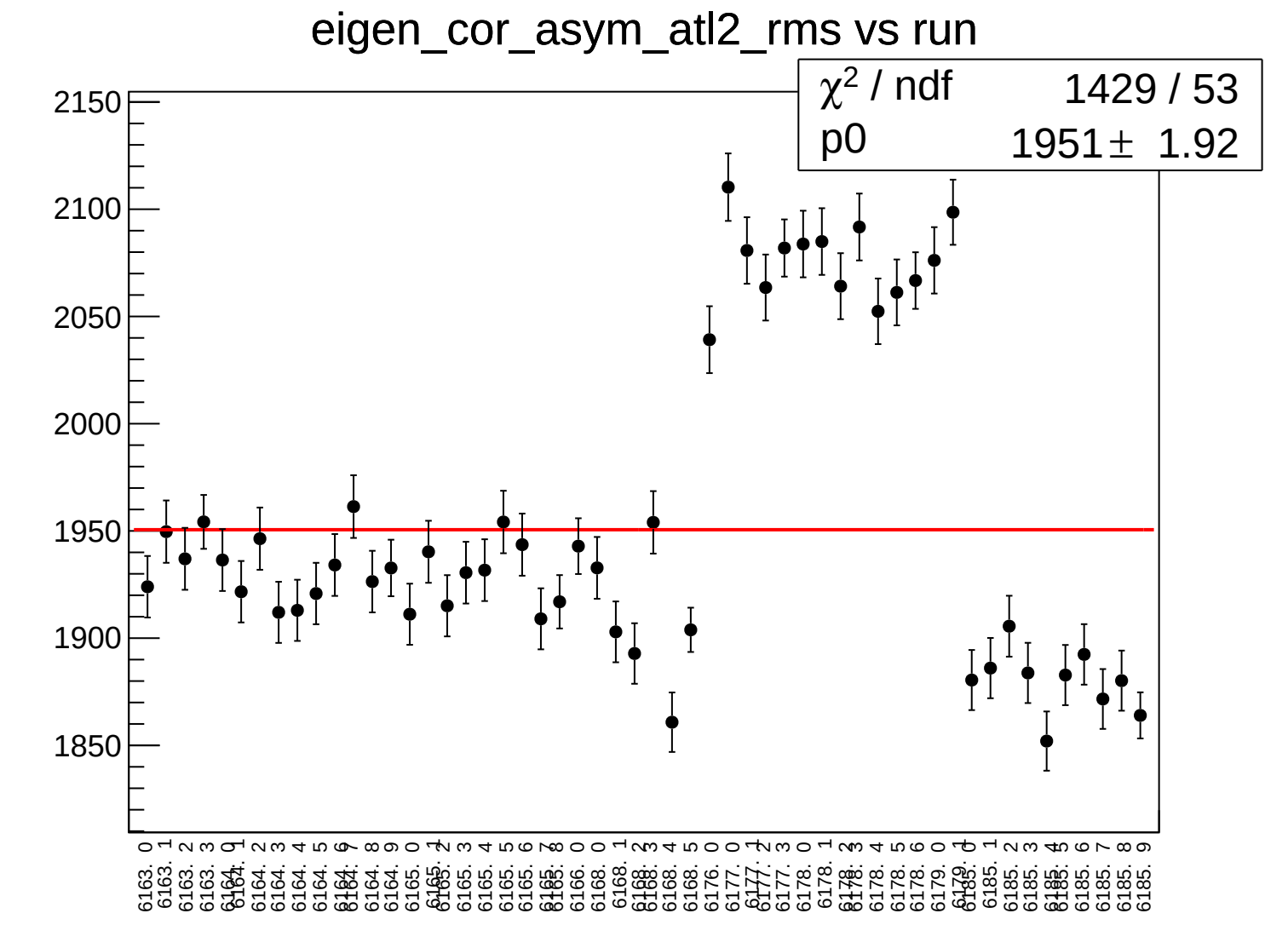
6185. 8
6185. 9


eigen_cor_asym_atl2_mean vs run
χ² / ndf 66.87 / 53
p0 4166 ± 2716
pull
Entries 54
Mean −25.16
Std Dev 0


pull1D
Entries 54
Mean −0.003706
Std Dev 1.113


eigen_cor_asym_atl2_rms vs run
χ² / ndf 1429 / 53
p0 1951 ± 1.92
2150
2100
2050
2000
1950
1900
1850
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
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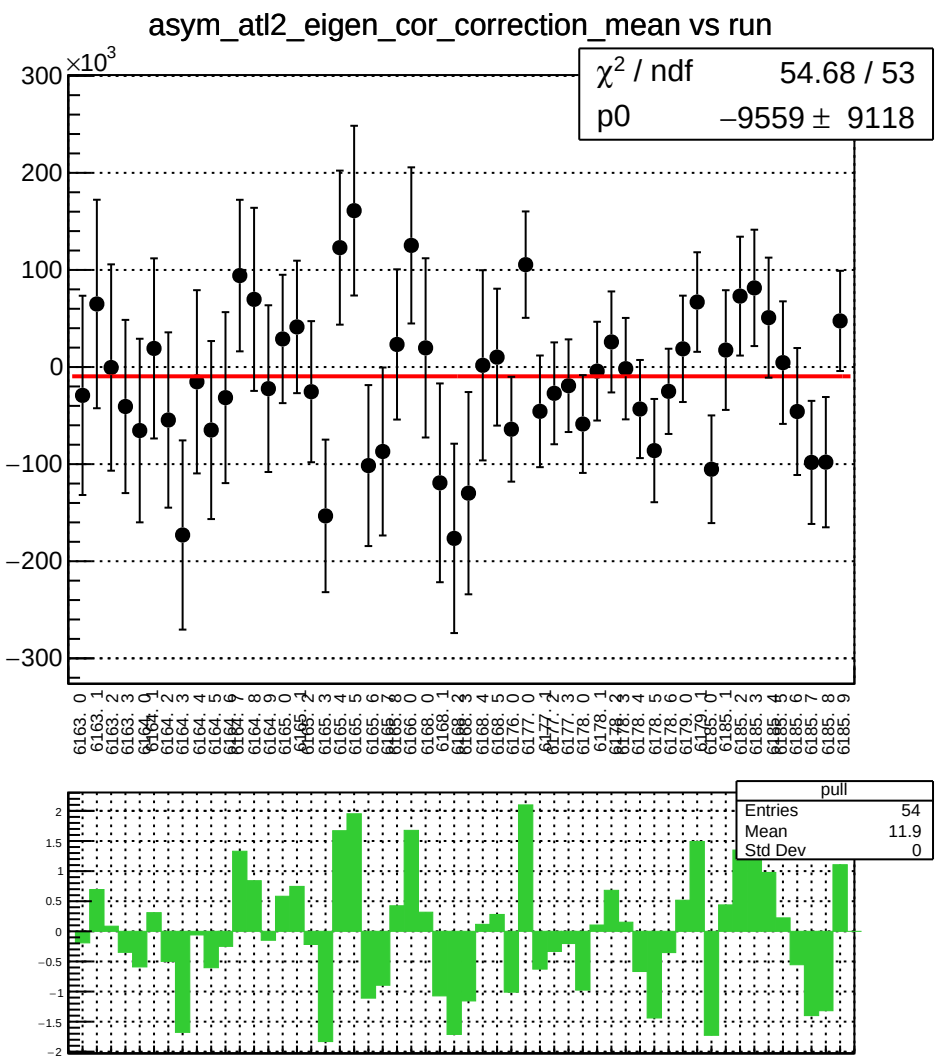
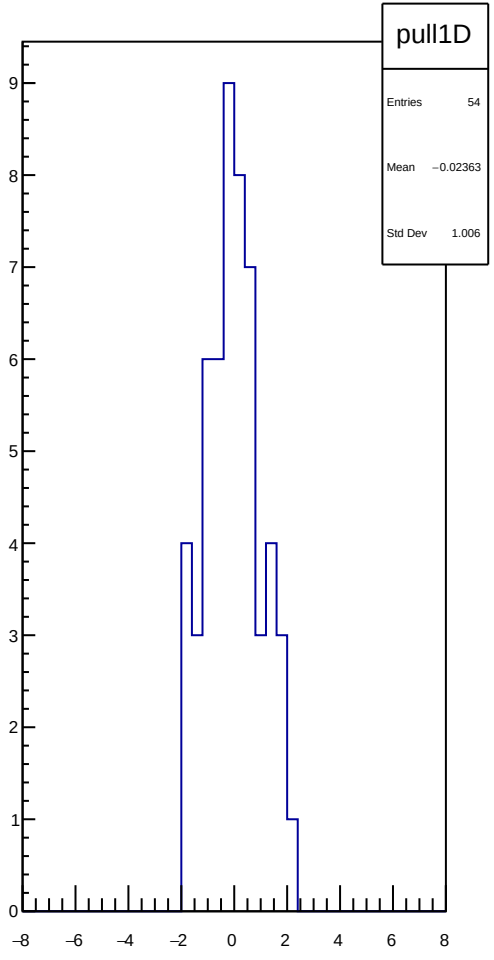
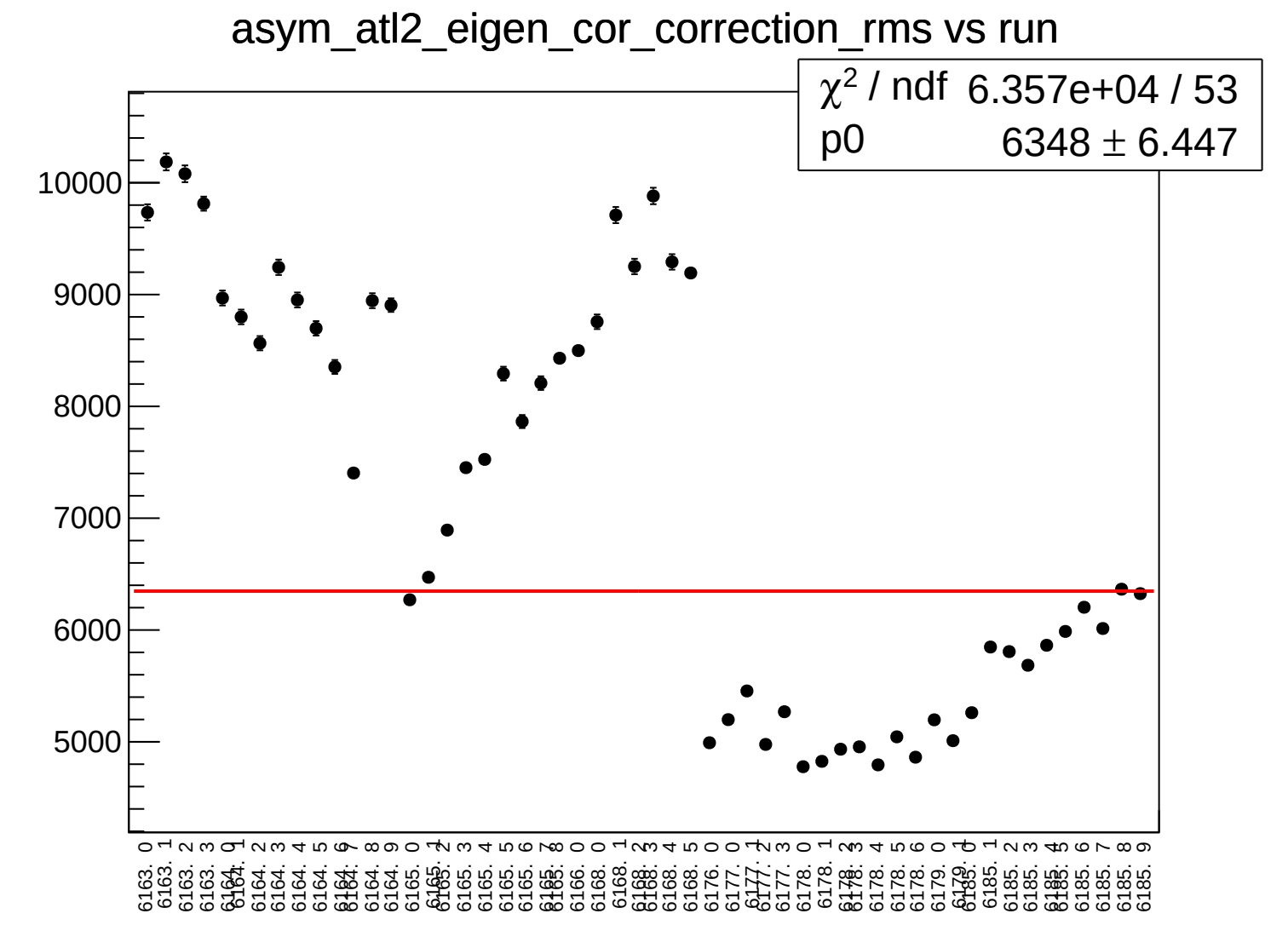
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


asym_atl2_eigen_cor_correction_mean vs run
χ² / ndf 54.68 / 53
p0 −9559 ± 9118
×10³
pull
Entries 54
Mean 11.9
Std Dev 0


pull1D
Entries 54
Mean −0.02363
Std Dev 1.006


asym_atl2_eigen_cor_correction_rms vs run
χ² / ndf 6.357e+04 / 53
p0 6348 ± 6.447
10000
9000
8000
7000
6000
5000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
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6179. 0
6185. 1
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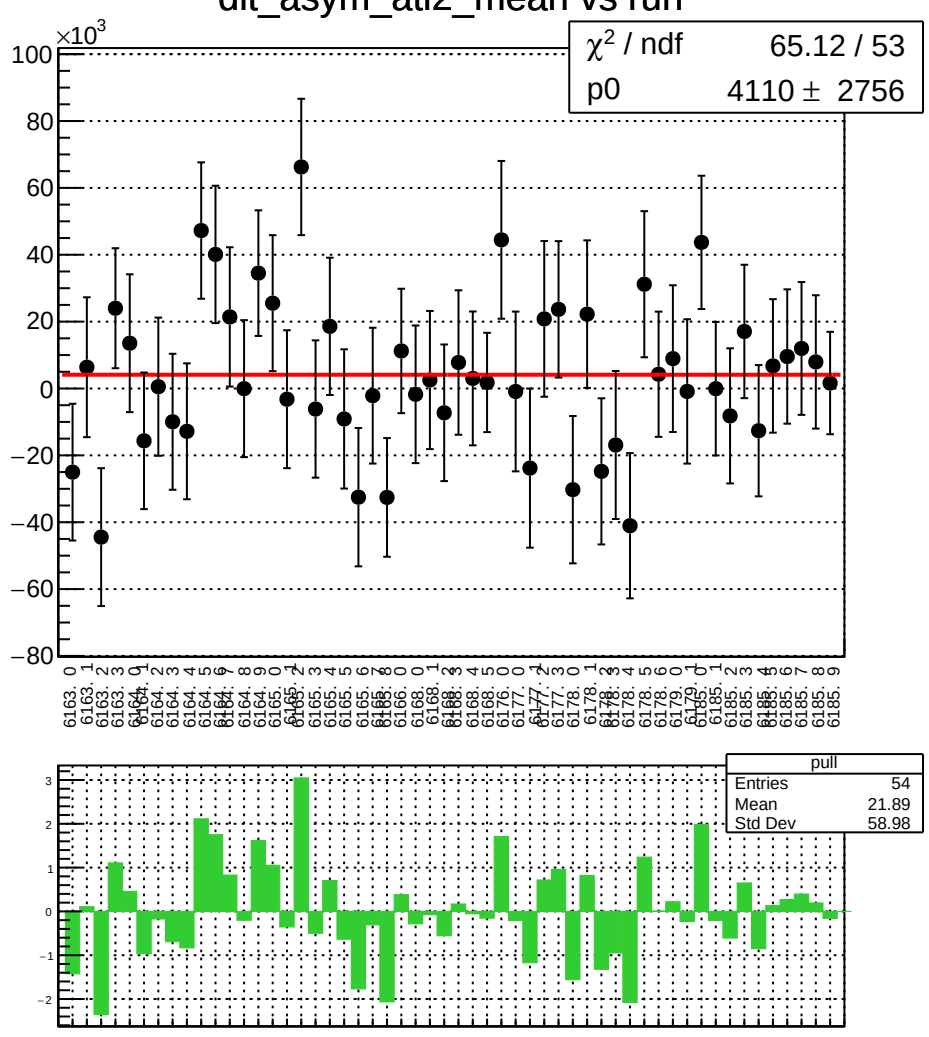
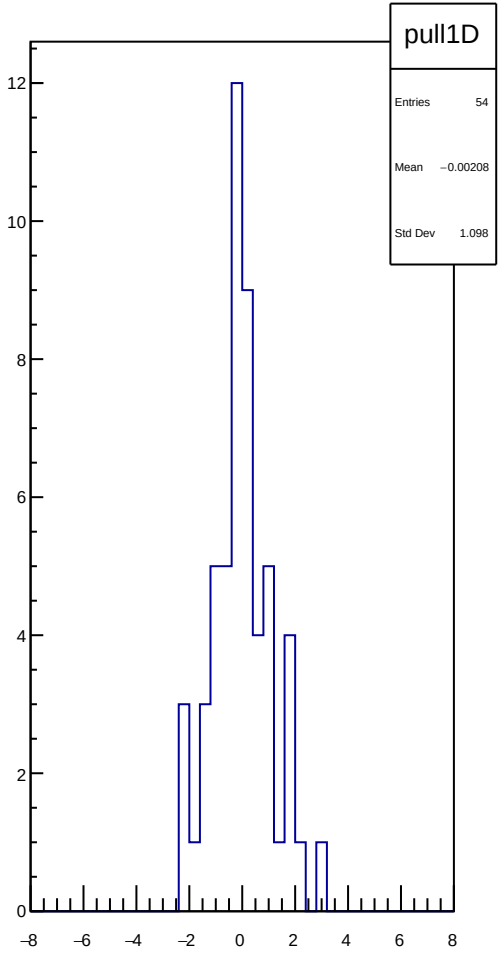
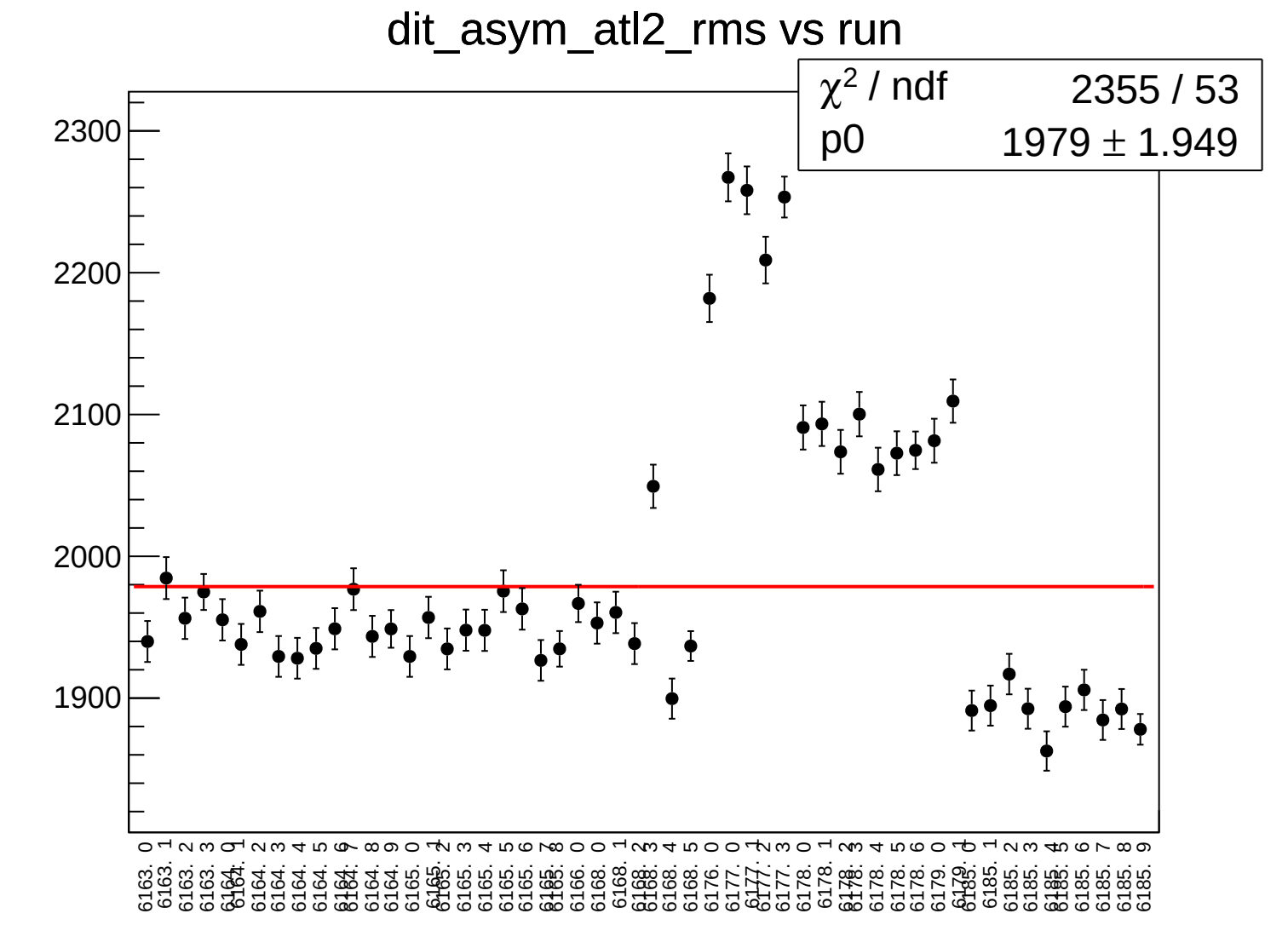
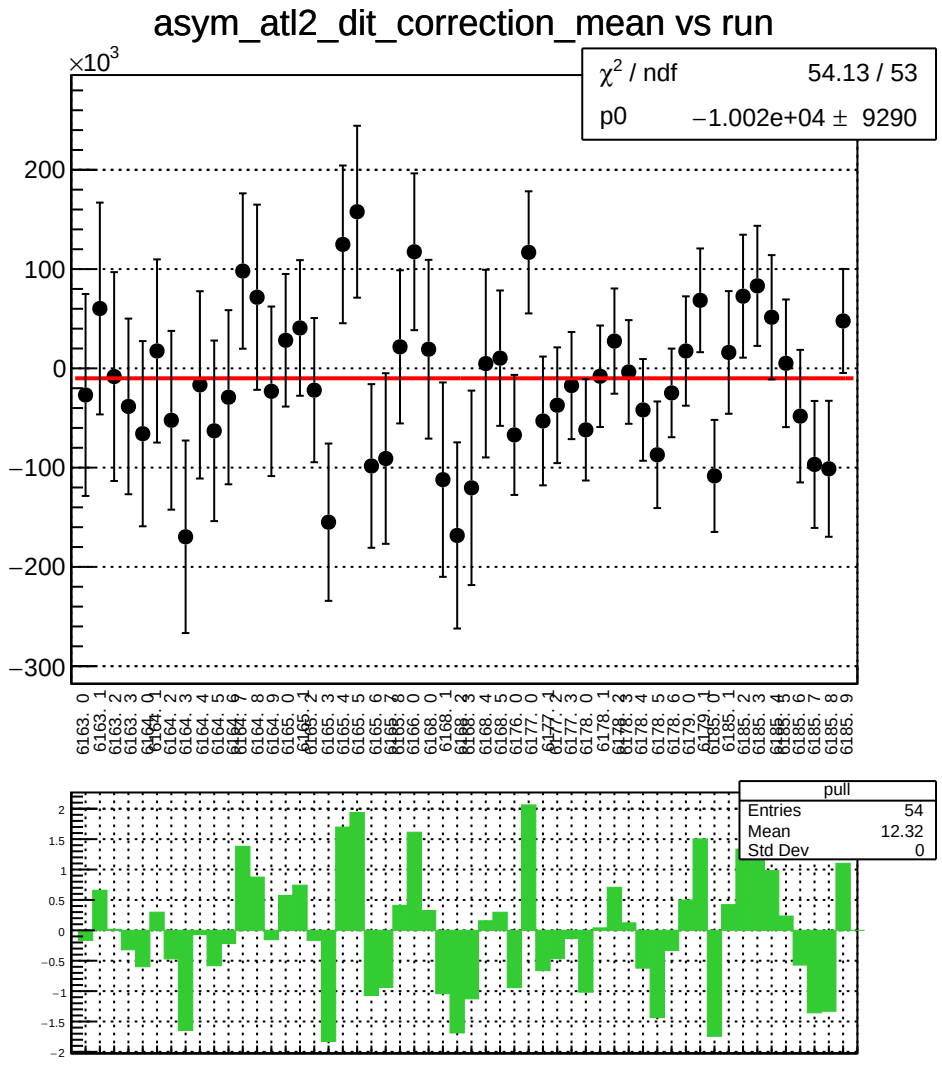
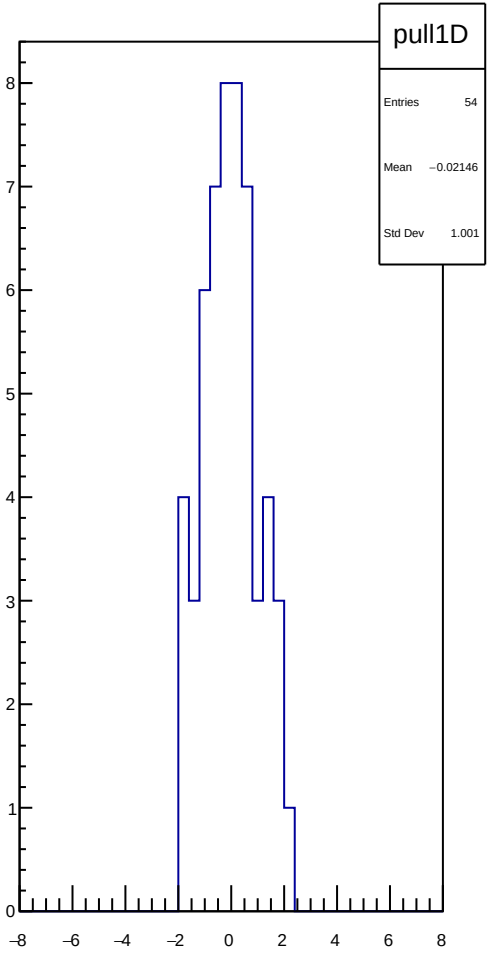
6185. 9

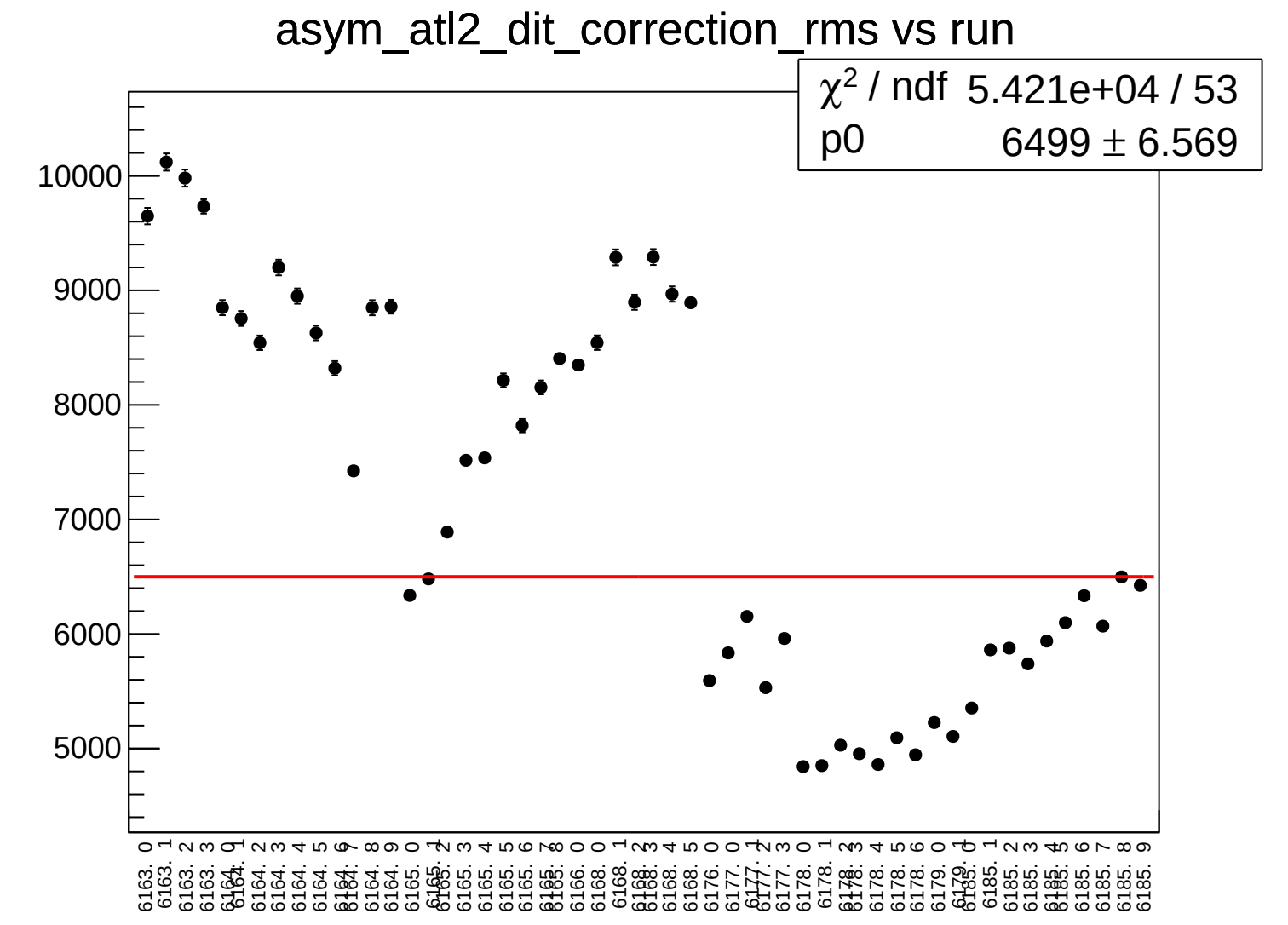

dit_asym_atl2_mean vs run
χ^2 / ndf 65.12 / 53
p0 4110 ± 2756
×10^3
pull
Entries 54
Mean 21.89
Std Dev 58.98

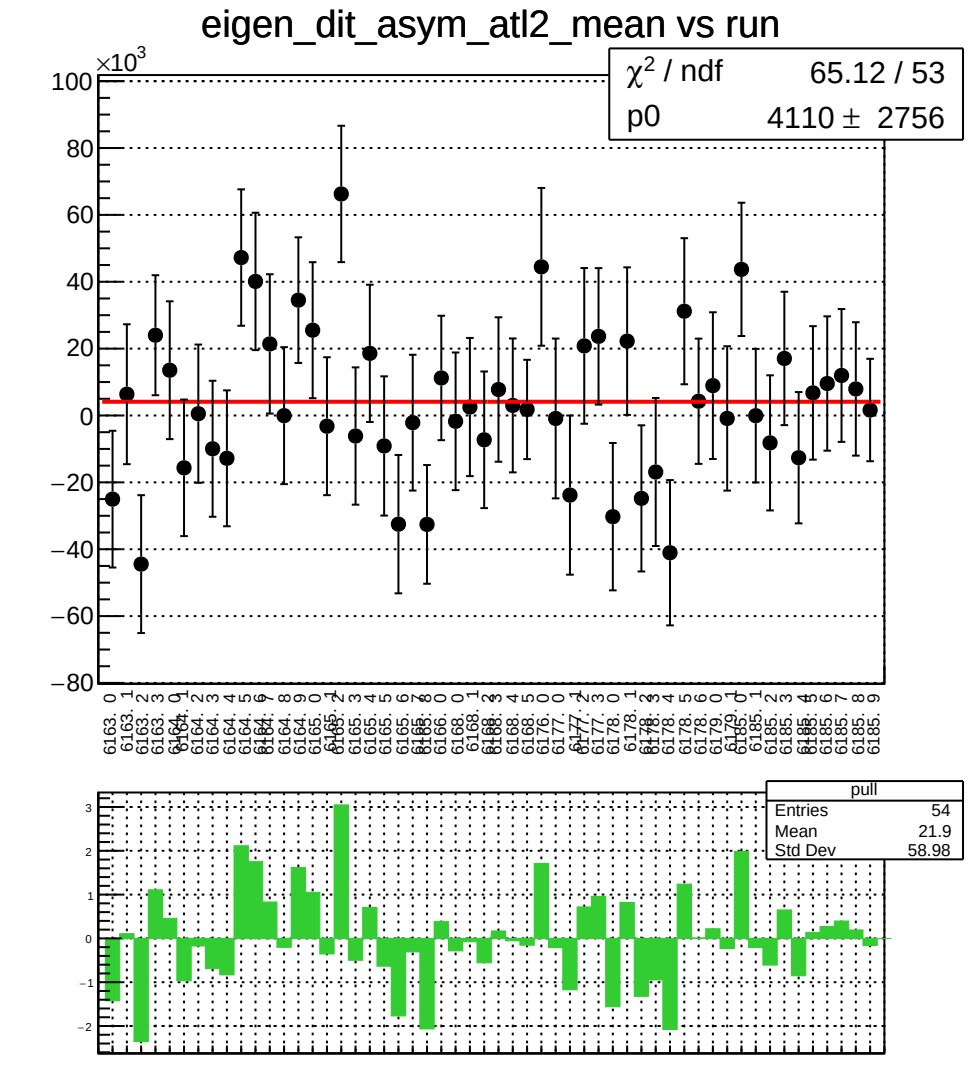

pull1D
Entries 54
Mean −0.00208
Std Dev 1.098

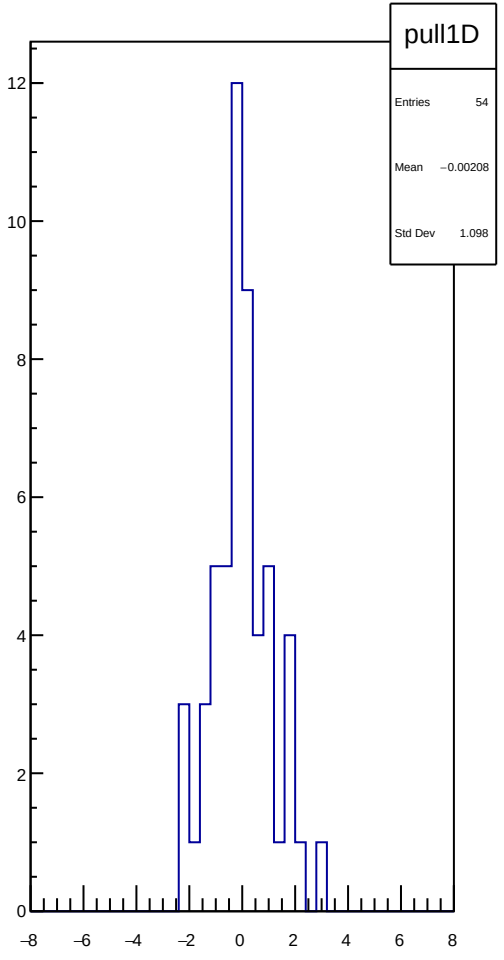

dit_asym_atl2_rms vs run
χ² / ndf 2355 / 53
p0 1979 ± 1.949
2300
2200
2100
2000
1900
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

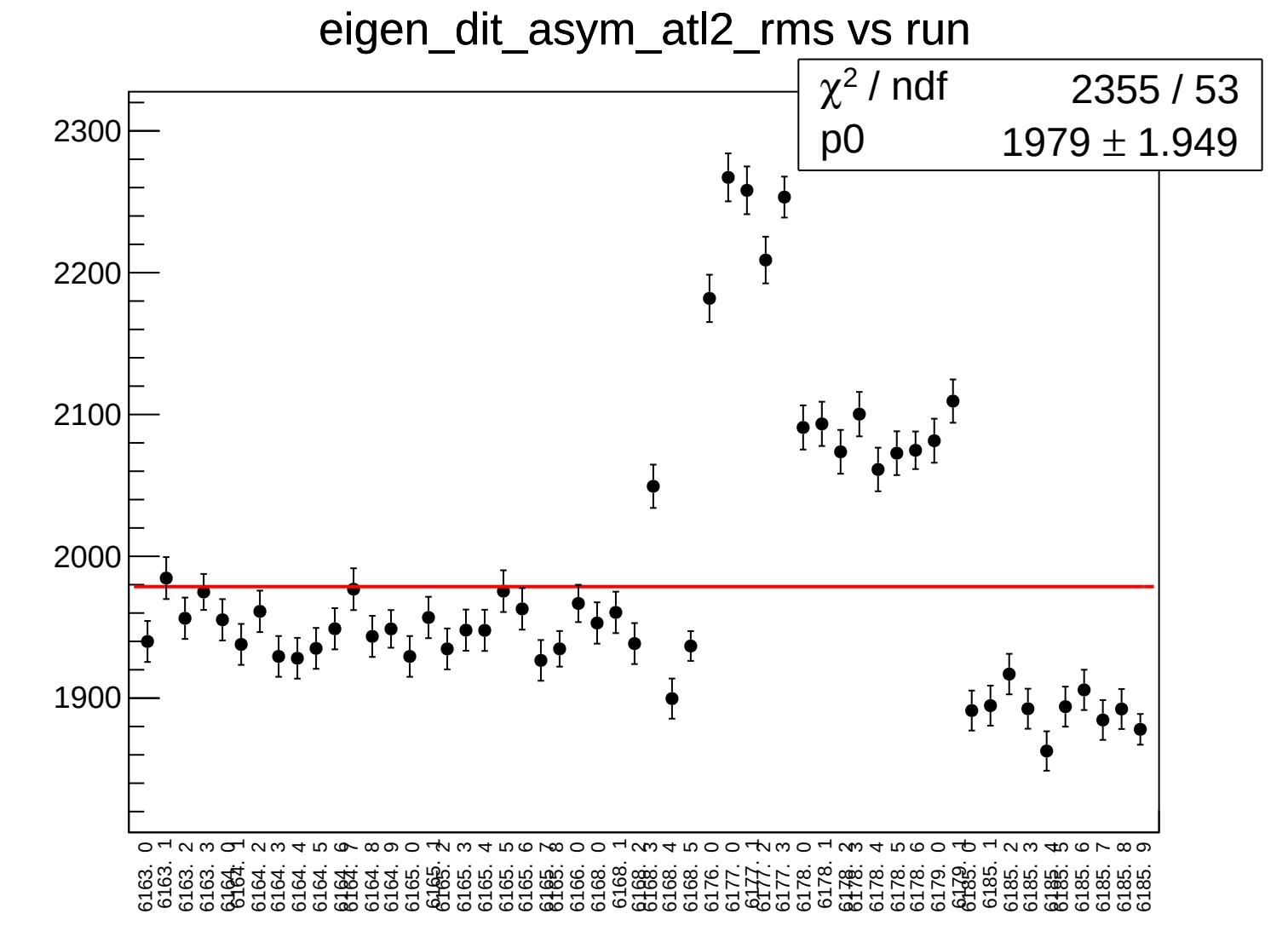

asym_atl2_dit_correction_mean vs run
χ² / ndf 54.13 / 53
p0 −1.002e+04 ± 9290
×10³
pull
Entries 54
Mean 12.32
Std Dev 0

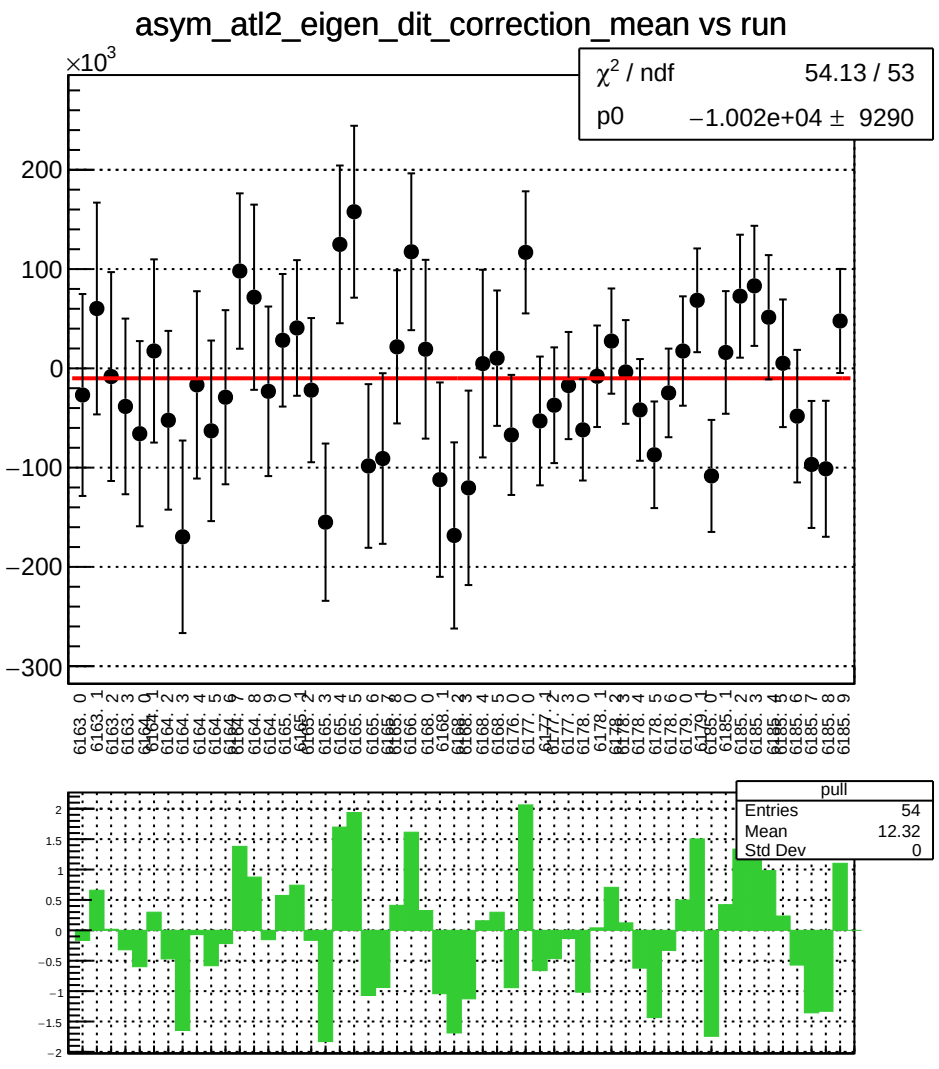

pull1D
Entries 54
Mean −0.02146
Std Dev 1.001

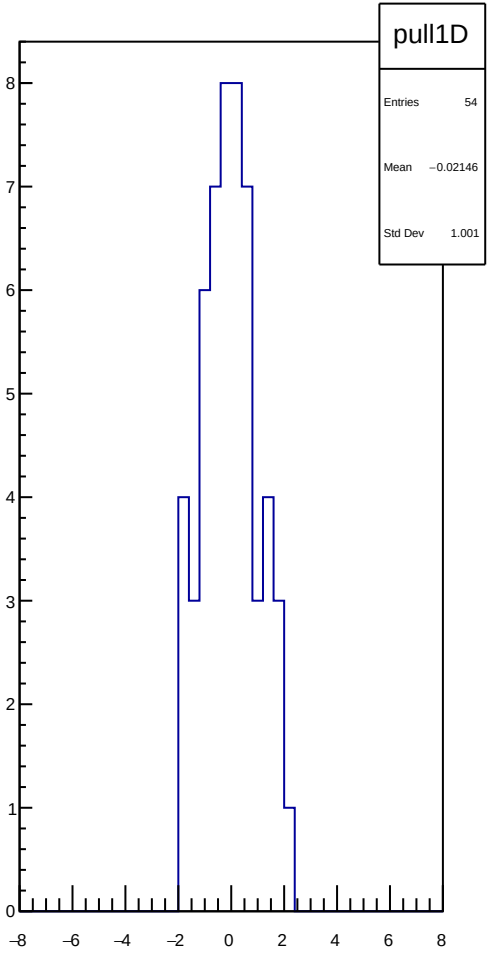

asym_atl2_dit_correction_rms vs run
χ² / ndf 5.421e+04 / 53
p0 6499 ± 6.569
10000
9000
8000
7000
6000
5000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

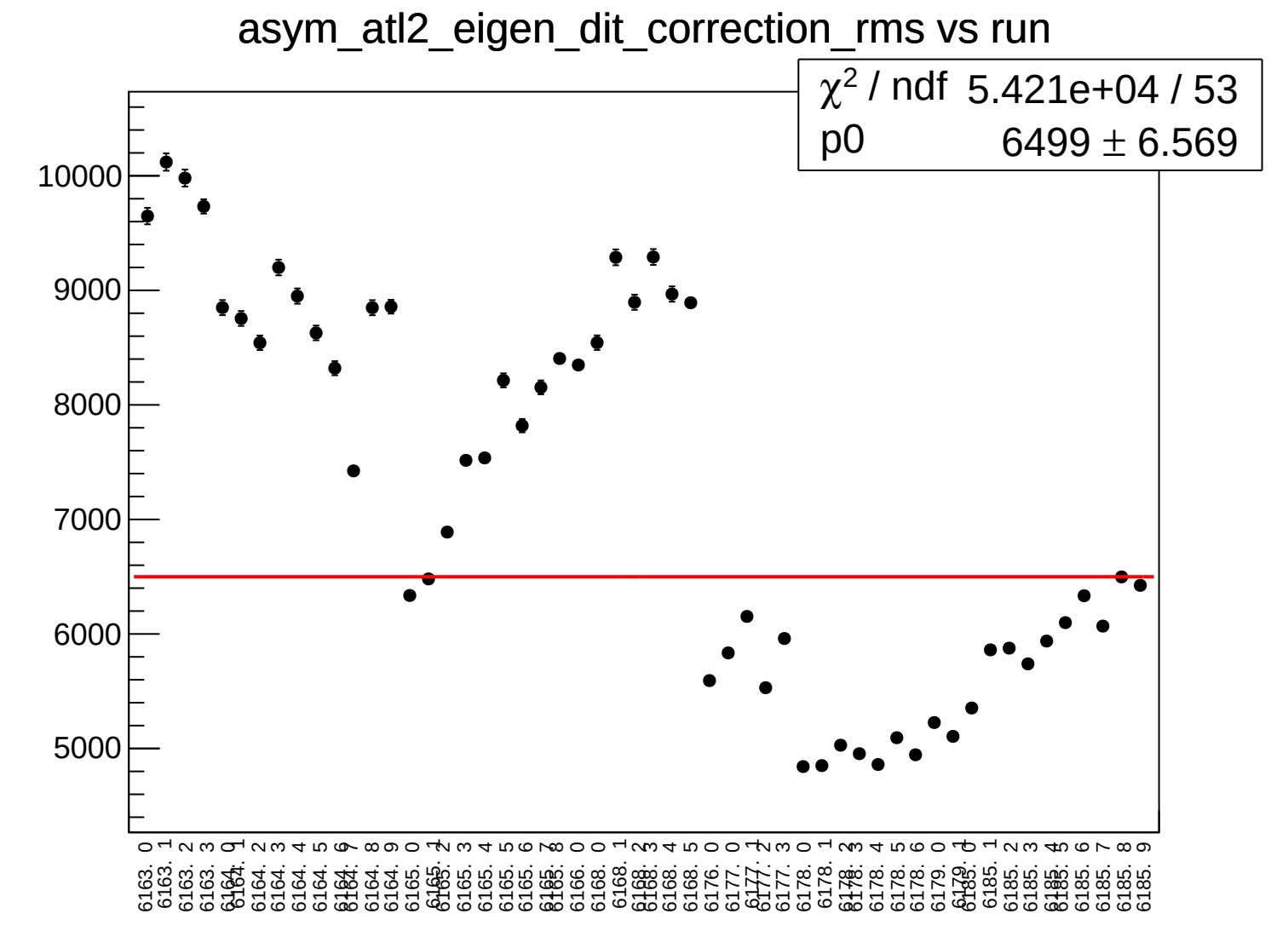

eigen_dit_asym_atl2_mean vs run
χ² / ndf 65.12 / 53
p0 4110 ± 2756
×10³
pull
Entries 54
Mean 21.9
Std Dev 58.98

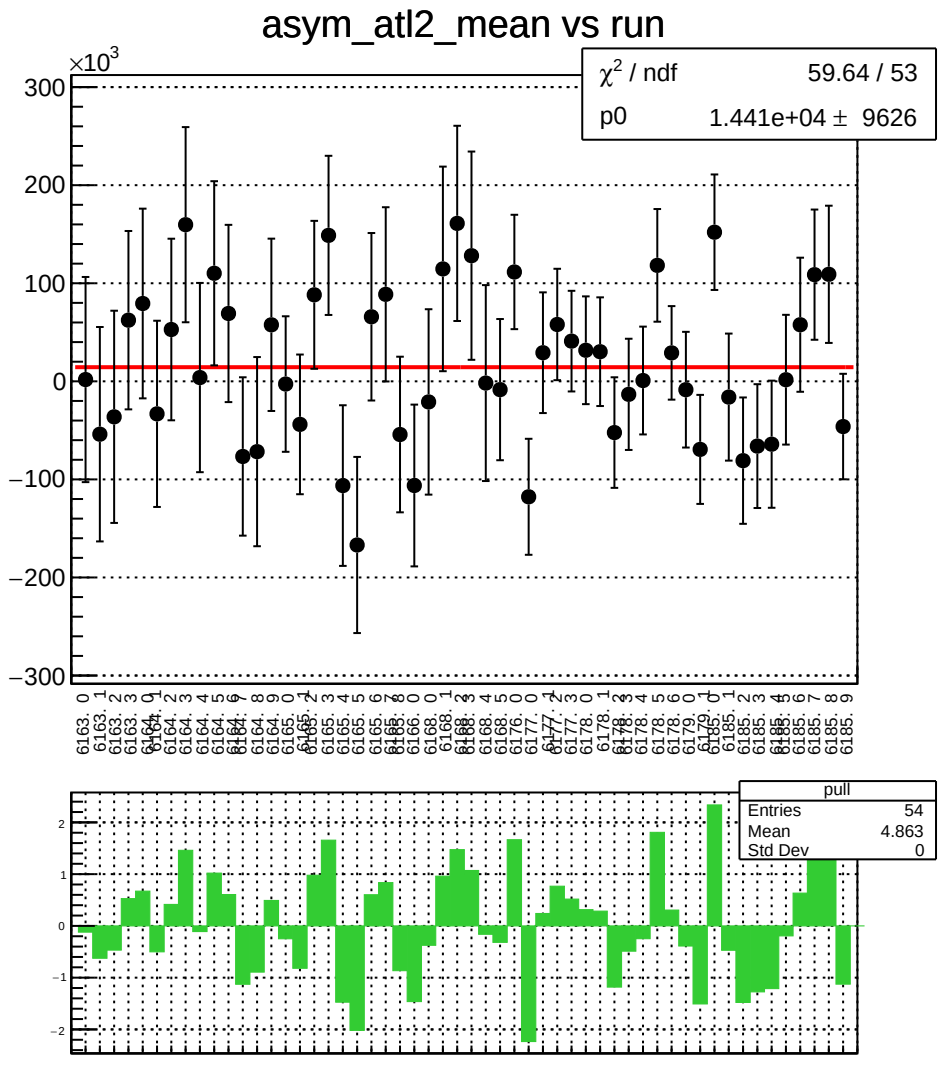

pull1D
Entries 54
Mean −0.00208
Std Dev 1.098

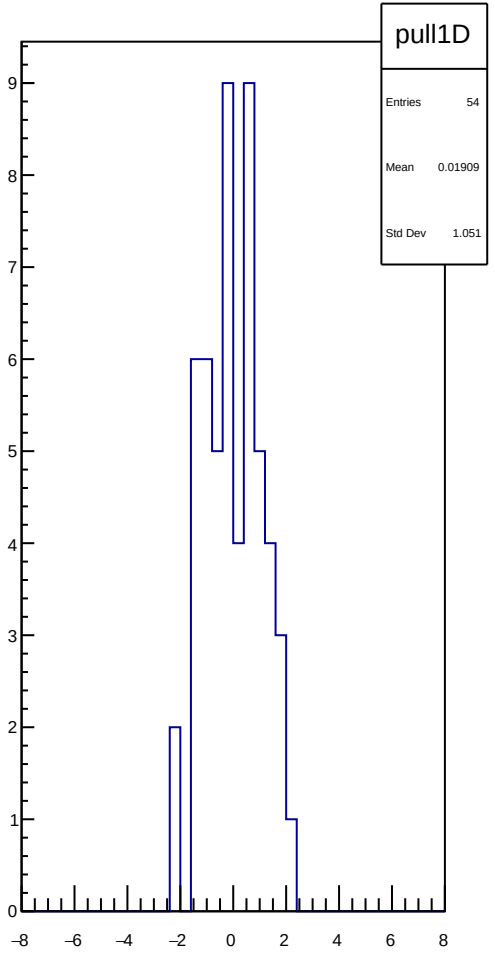

eigen_dit_asym_atl2_rms vs run
χ² / ndf 2355 / 53
p0 1979 ± 1.949
2300
2200
2100
2000
1900
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

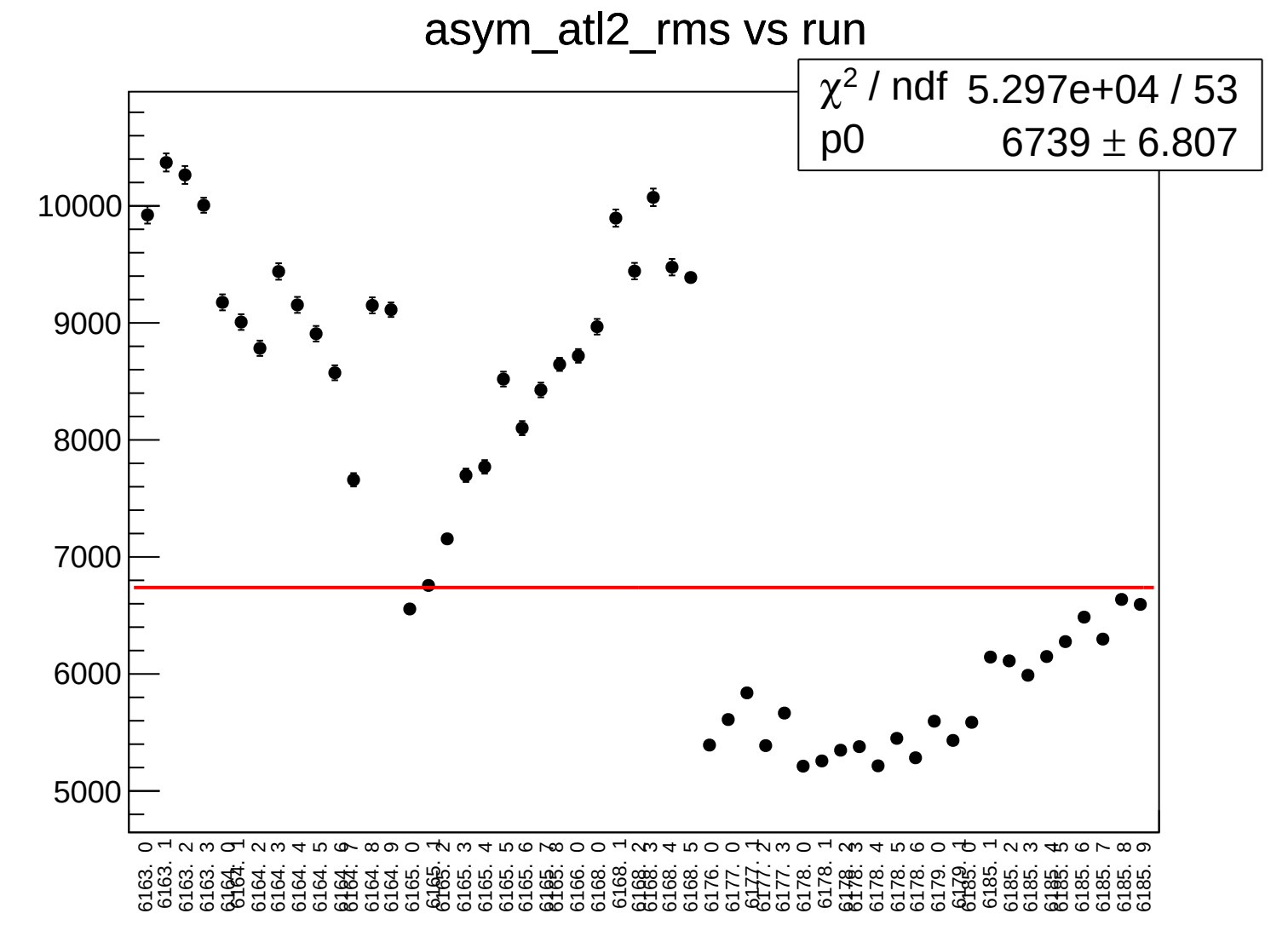

asym_atl2_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 54.13 / 53
p0 −1.002e+04 ± 9290
200
100
0
−100
−200
−300
pull
Entries 54
Mean 12.32
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

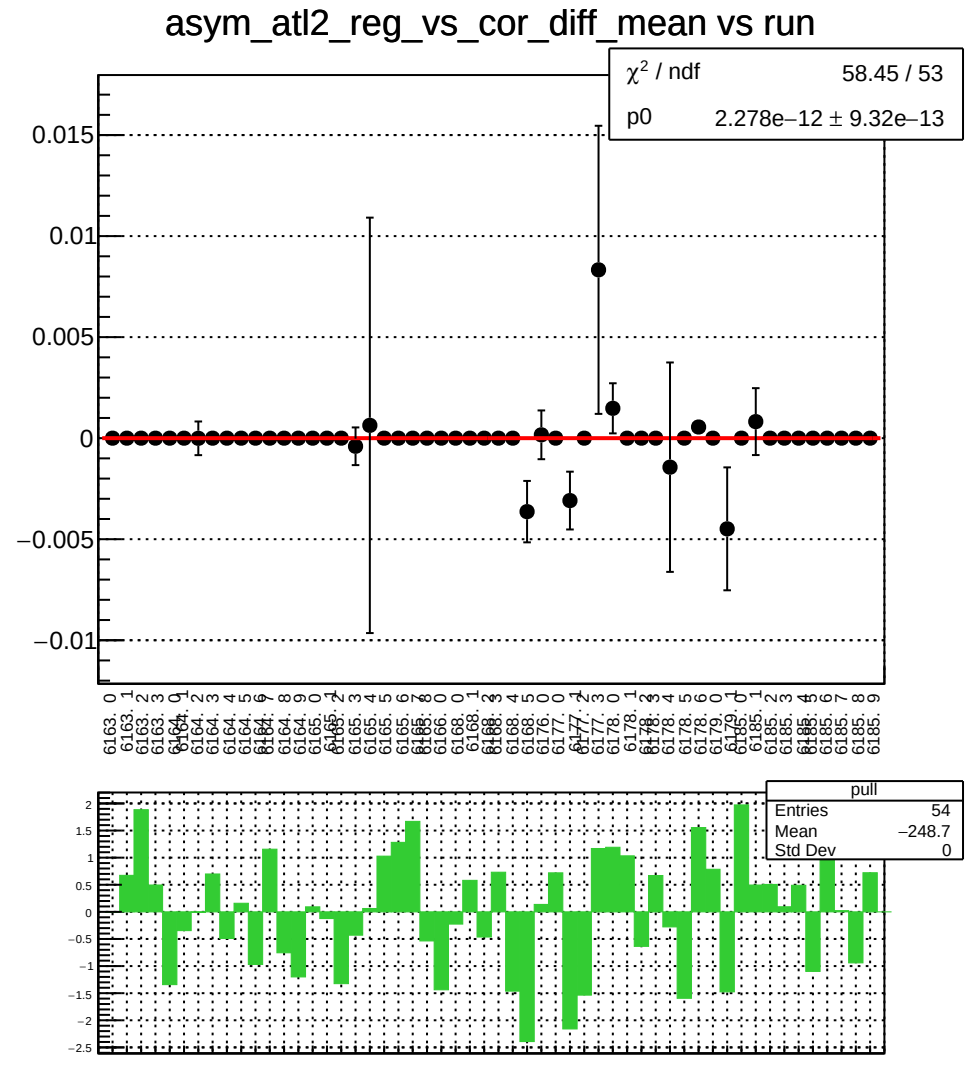

pull1D
Entries 54
Mean −0.02146
Std Dev 1.001
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

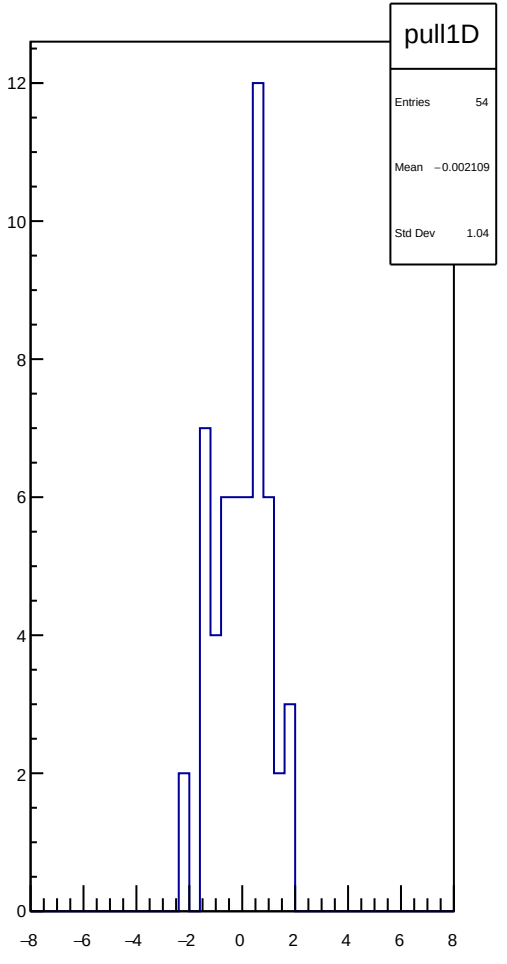

asym_atl2_eigen_dit_correction_rms vs run
χ^2 / ndf 5.421e+04 / 53
p0 6499 ± 6.569
10000
9000
8000
7000
6000
5000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

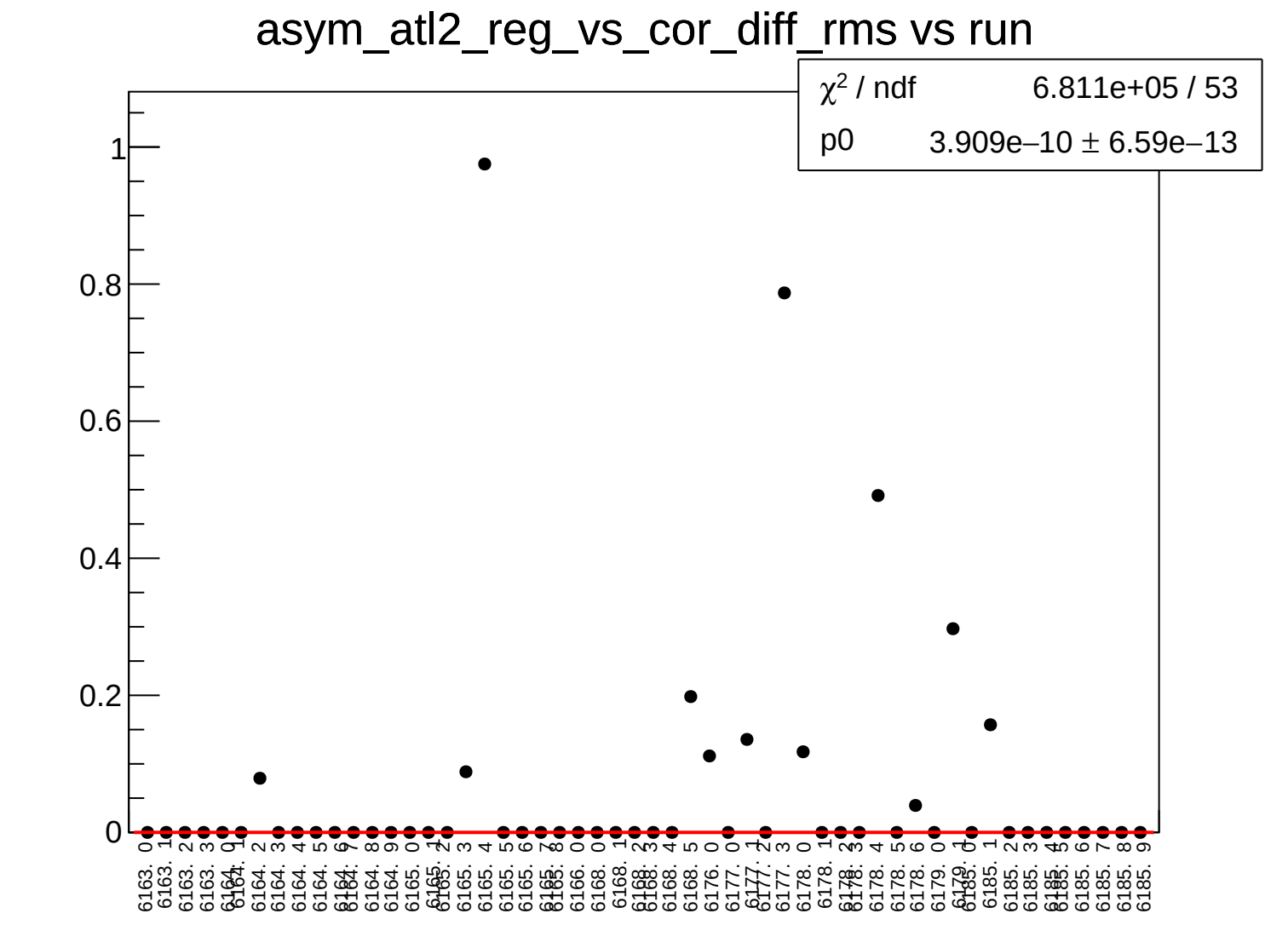

asym_atl2_mean vs run
×10^3
χ² / ndf 59.64 / 53
p0 1.441e+04 ± 9626
pull
Entries 54
Mean 4.863
Std Dev 0

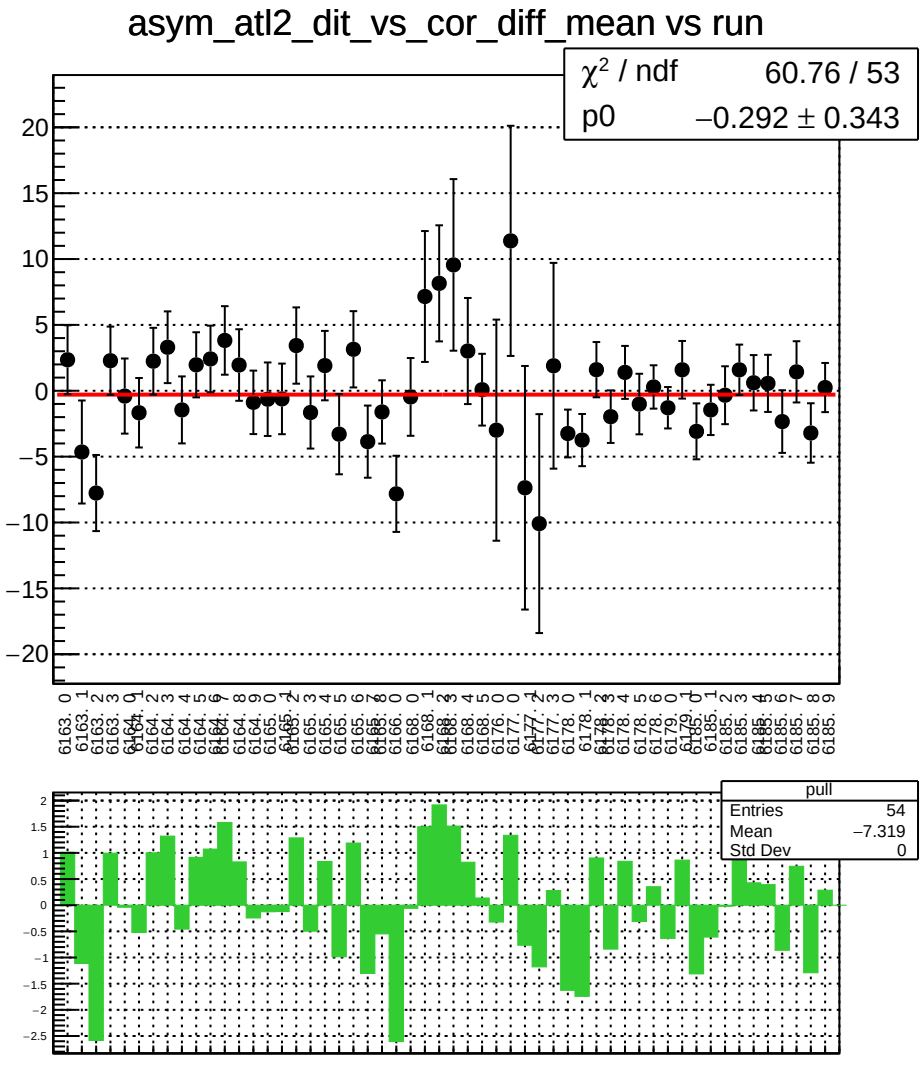

pull1D
Entries 54
Mean 0.01909
Std Dev 1.051

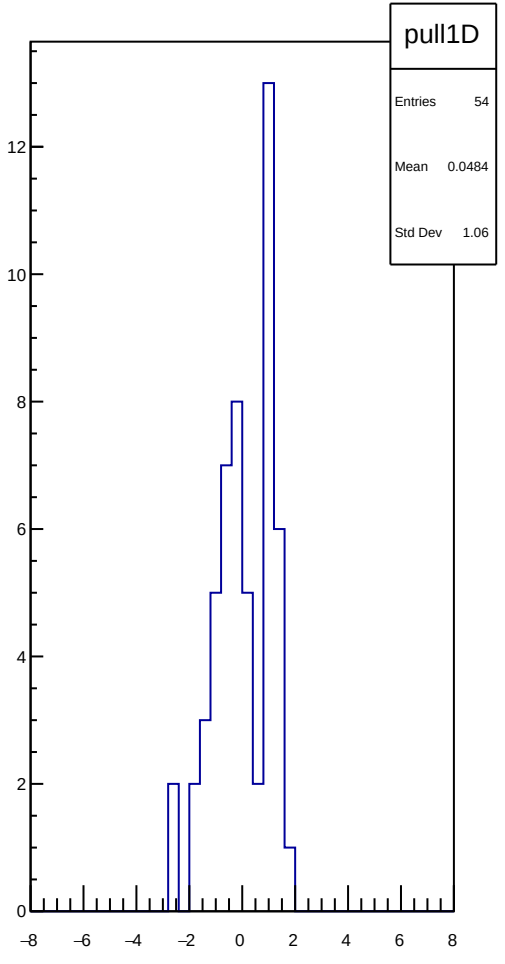

asym_atl2_rms vs run
χ² / ndf 5.297e+04 / 53
p0 6739 ± 6.807
10000
9000
8000
7000
6000
5000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

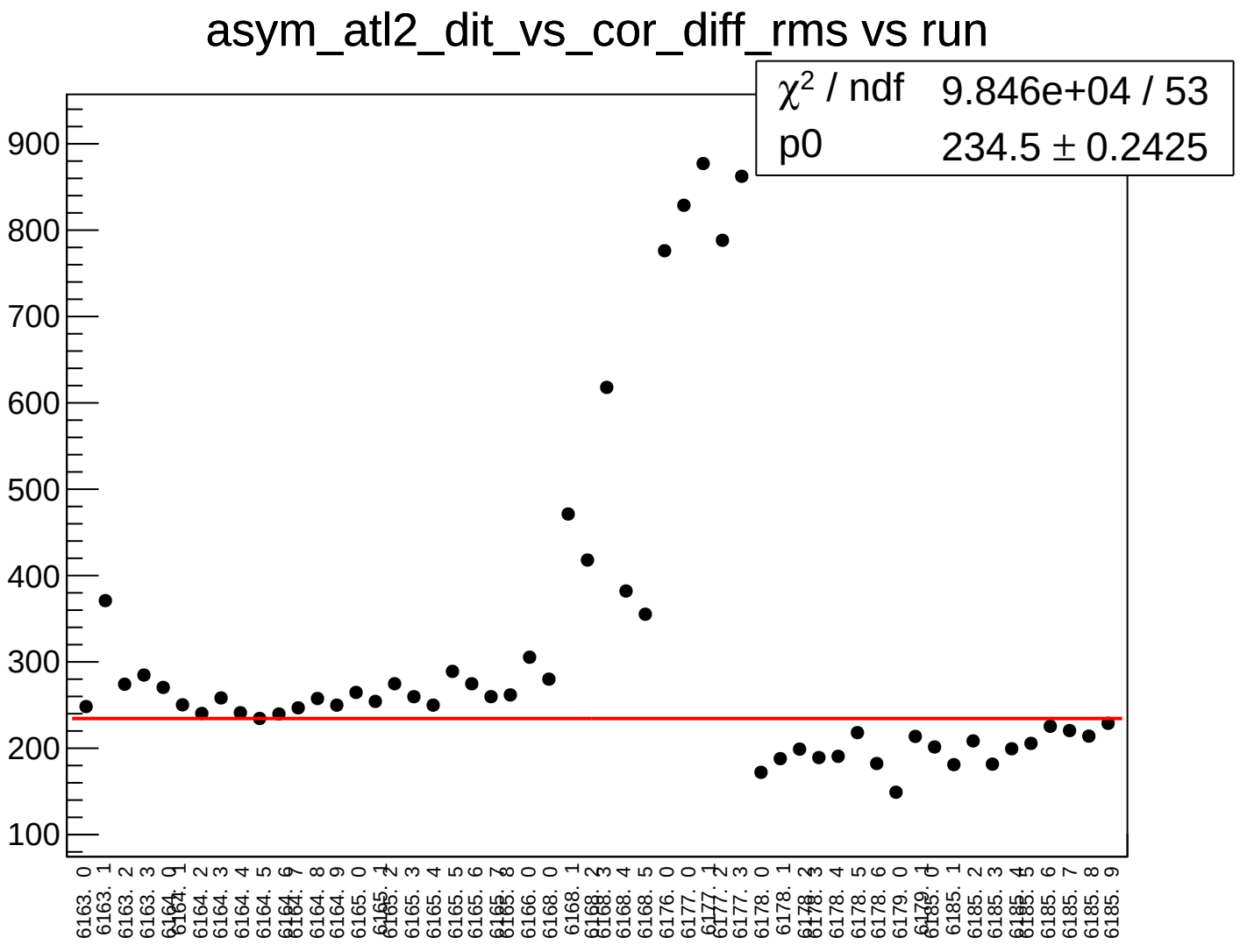

asym_atl2_reg_vs_cor_diff_mean vs run
χ² / ndf 58.45 / 53
p0 2.278e−12 ± 9.32e−13
0.015
0.01
0.005
0
−0.005
−0.01
pull
Entries 54
Mean −248.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

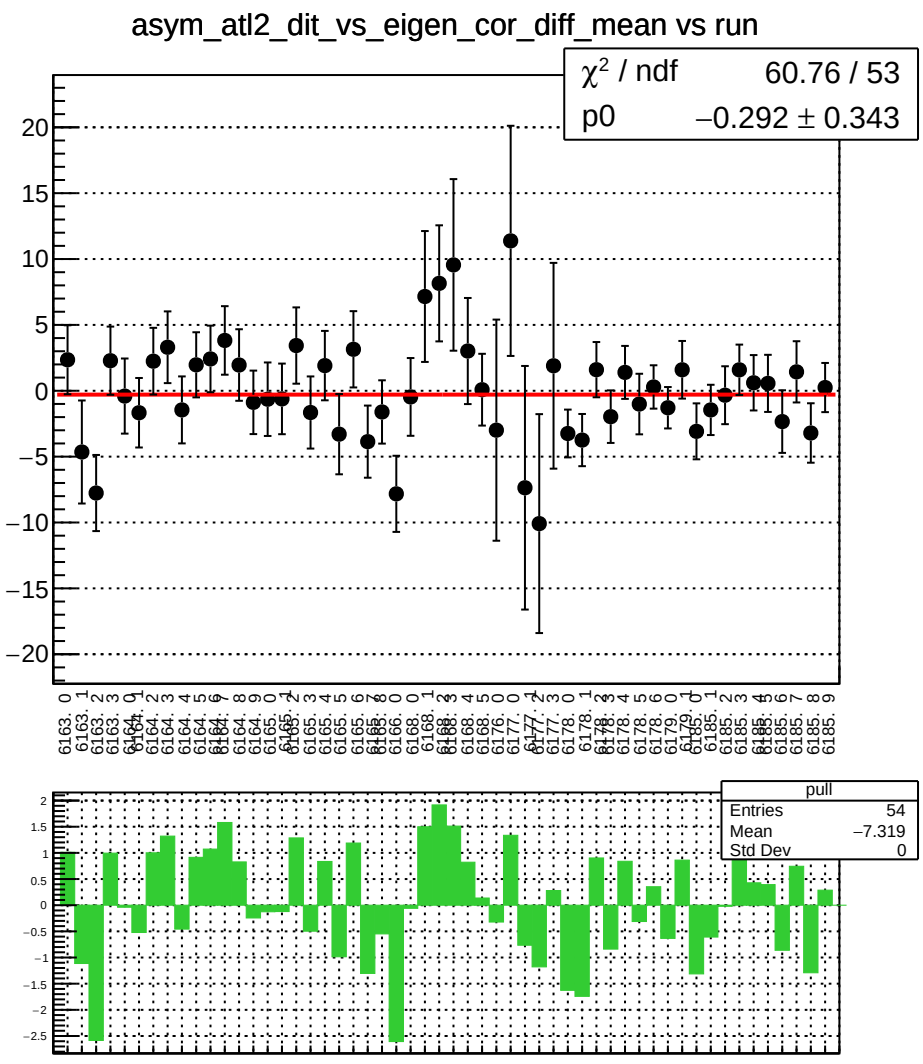

pull1D
Entries 54
Mean −0.002109
Std Dev 1.04
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

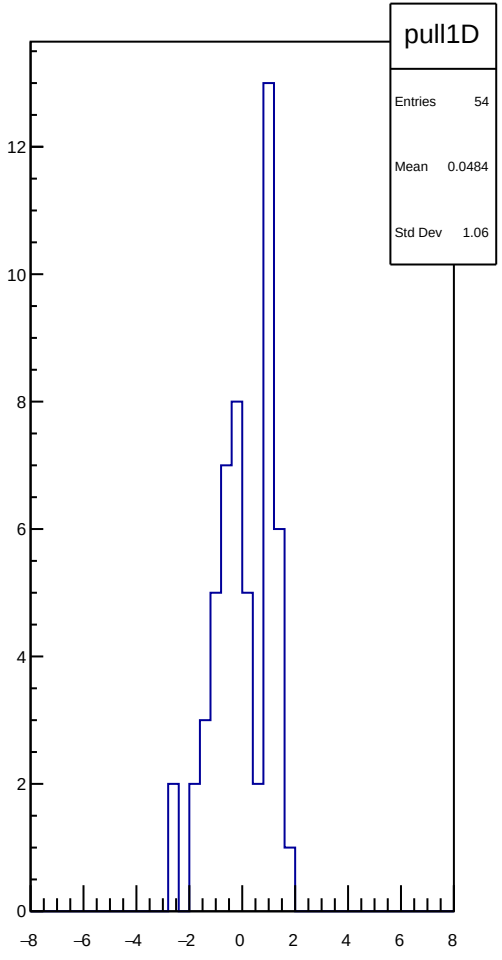

asym_atl2_reg_vs_cor_diff_rms vs run
χ² / ndf 6.811e+05 / 53
p0 3.909e−10 ± 6.59e−13
1
0.8
0.6
0.4
0.2
0
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

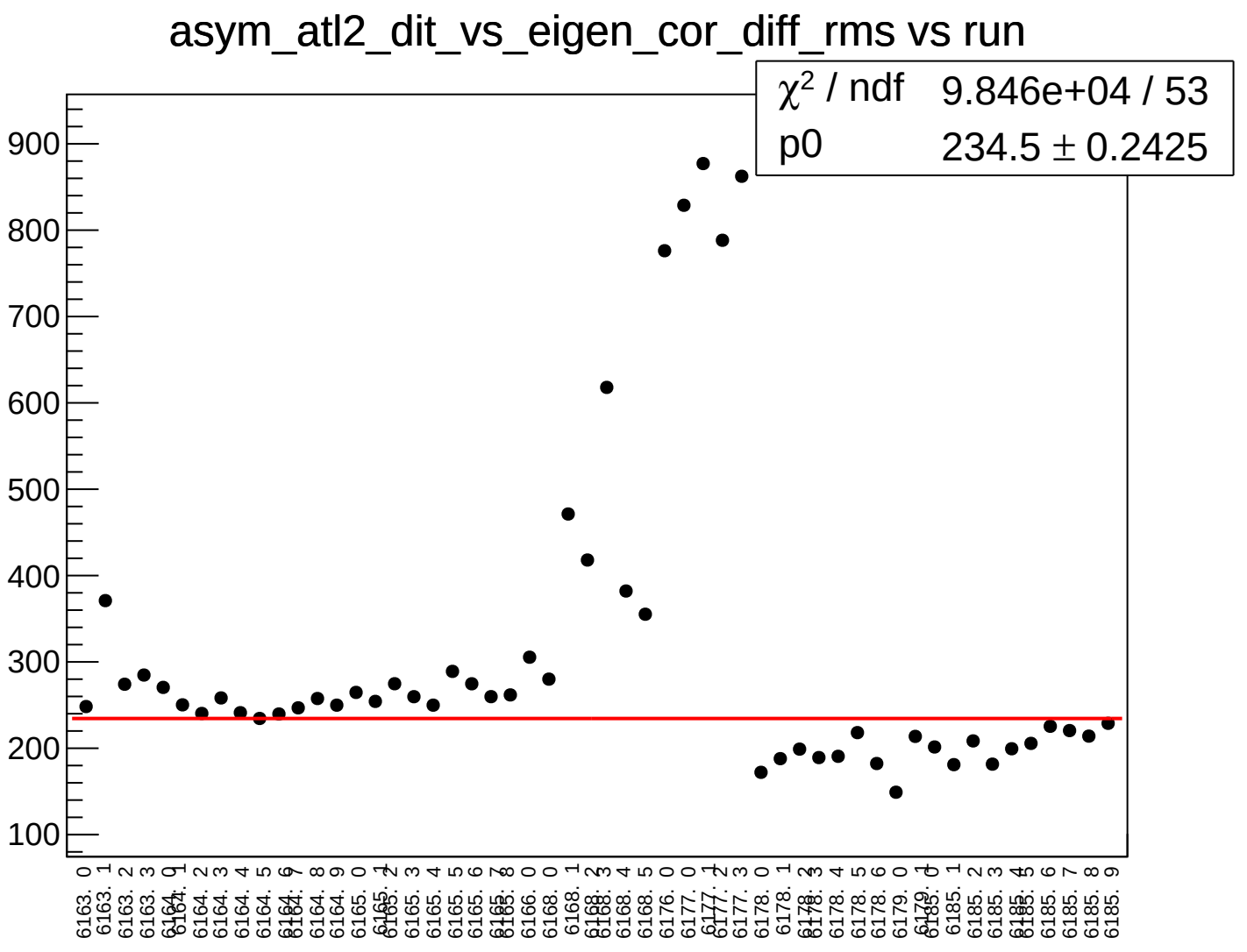

asym_atl2_dit_vs_cor_diff_mean vs run
χ² / ndf 60.76 / 53
p0 −0.292 ± 0.343
pull
Entries 54
Mean −7.319
Std Dev 0

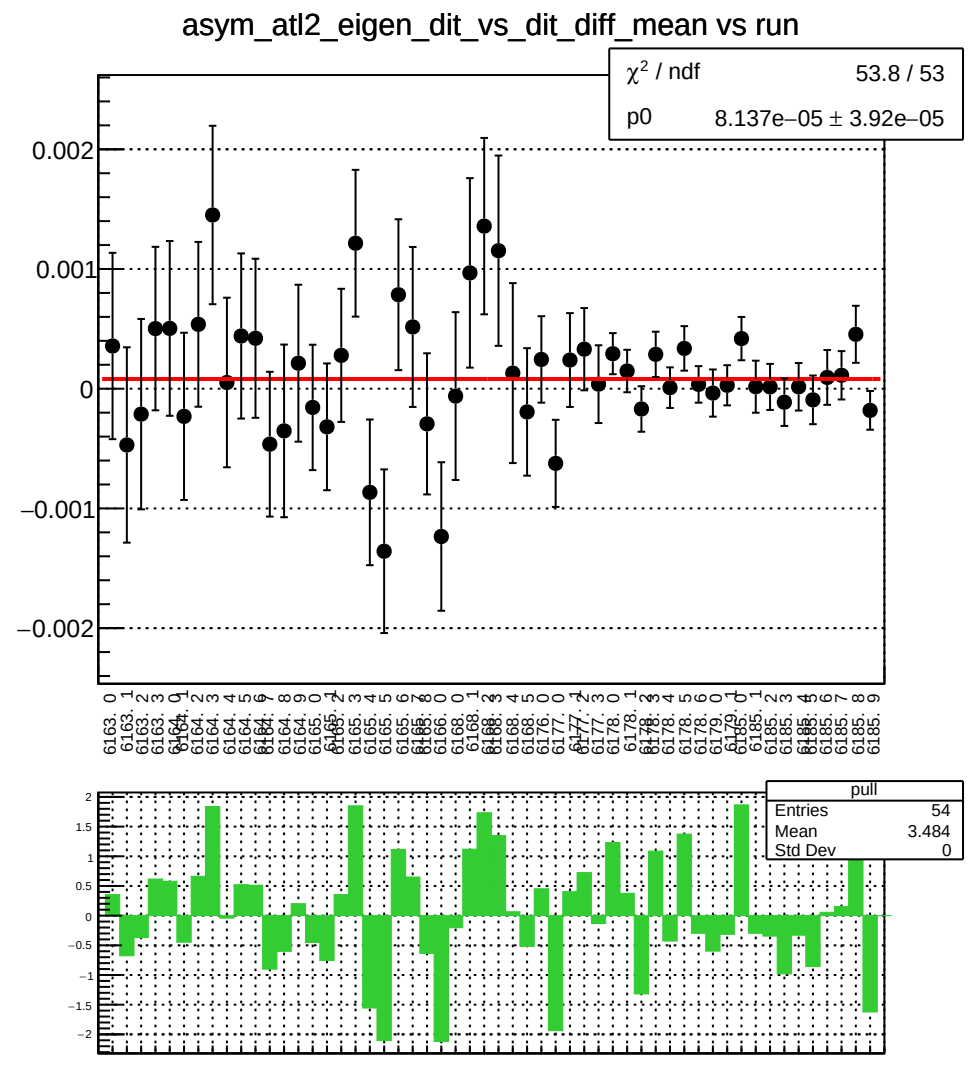

pull1D
Entries 54
Mean 0.0484
Std Dev 1.06

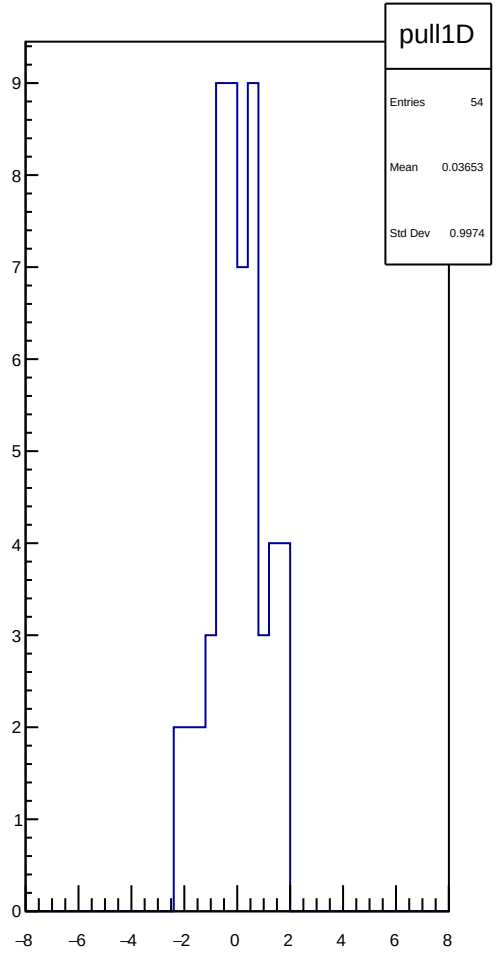

asym_atl2_dit_vs_cor_diff_rms vs run
χ^2 / ndf 9.846e+04 / 53
p0 234.5 ± 0.2425
900
800
700
600
500
400
300
200
100
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

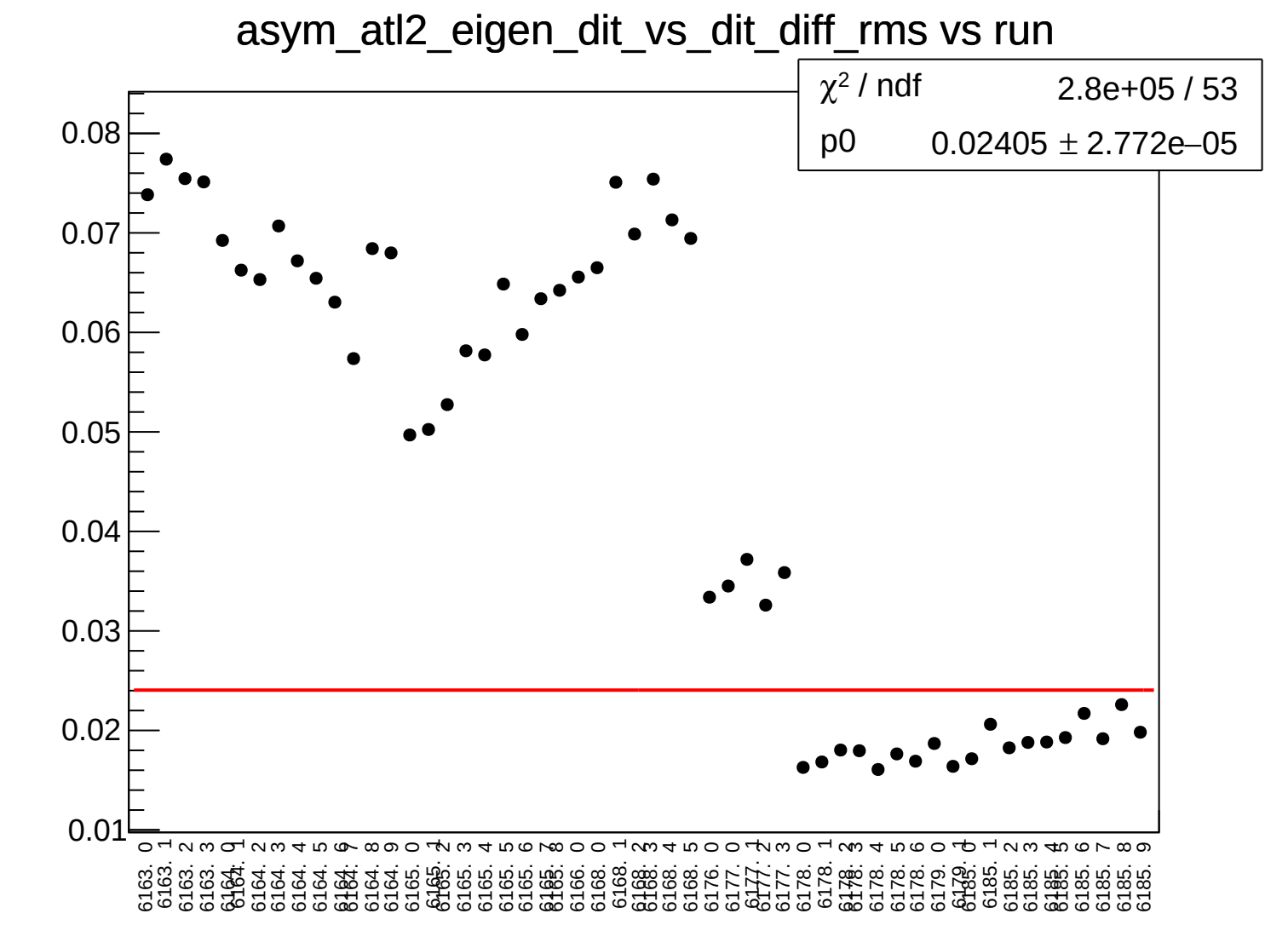

asym_atl2_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 60.76 / 53
p0 −0.292 ± 0.343
pull
Entries 54
Mean −7.319
Std Dev 0

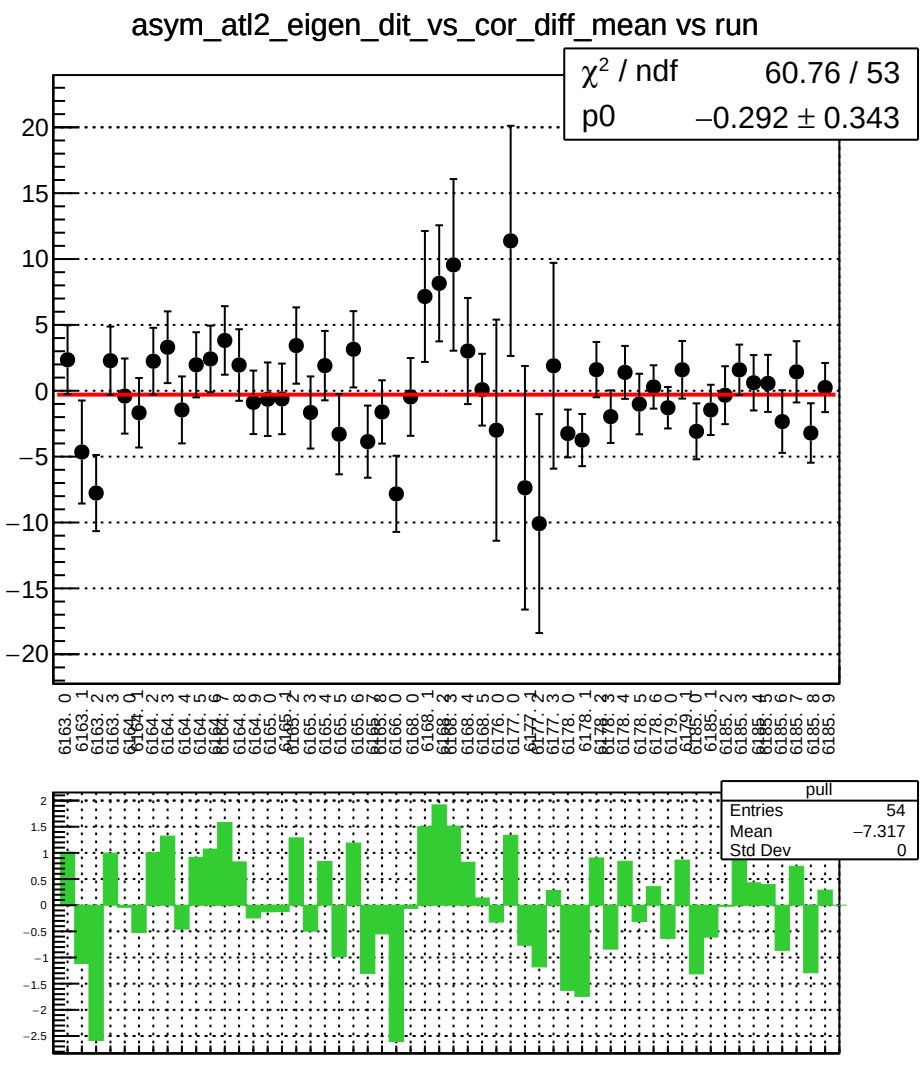

pull1D
Entries 54
Mean 0.0484
Std Dev 1.06

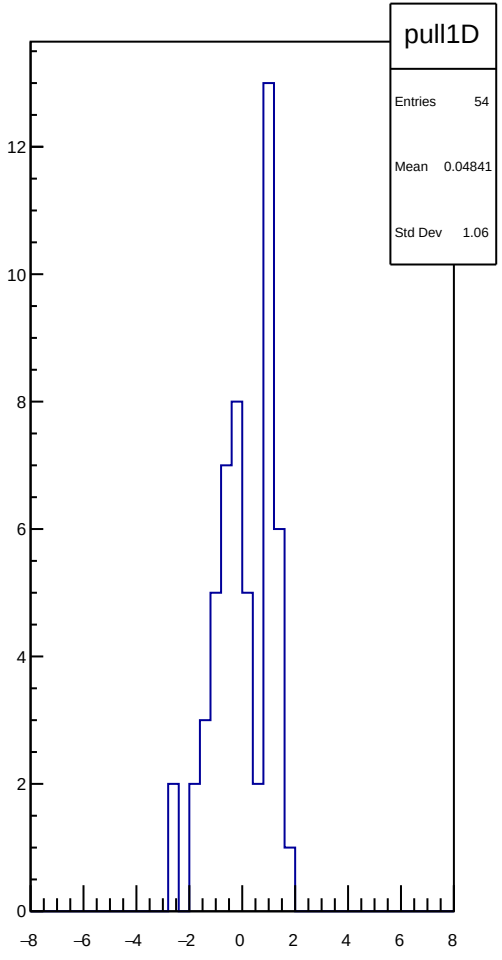

asym_atl2_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 9.846e+04 / 53
p0 234.5 ± 0.2425
900
800
700
600
500
400
300
200
100
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

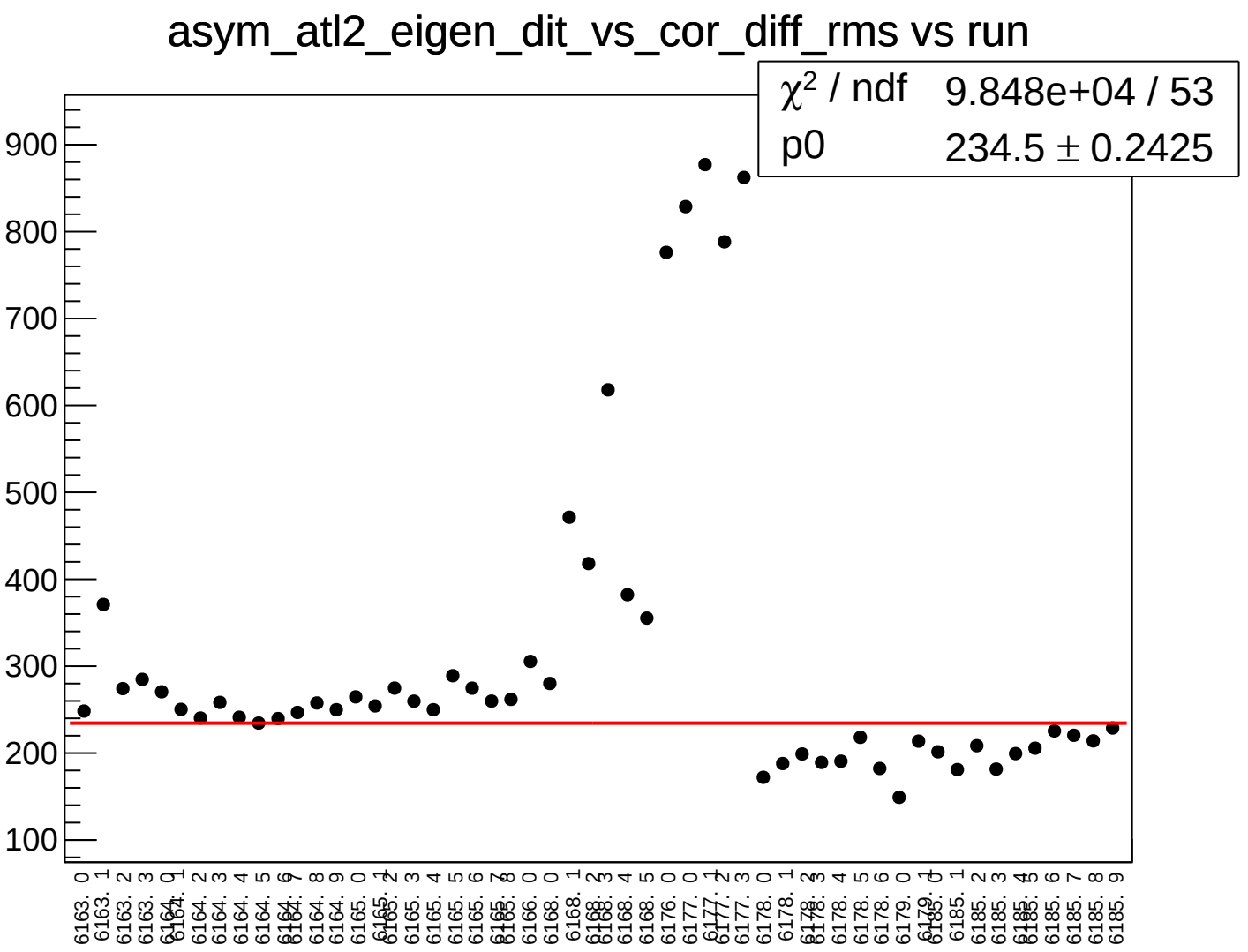

asym_atl2_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 53.8 / 53
p0 8.137e−05 ± 3.92e−05
0.002
0.001
0
−0.001
−0.002
pull
Entries 54
Mean 3.484
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

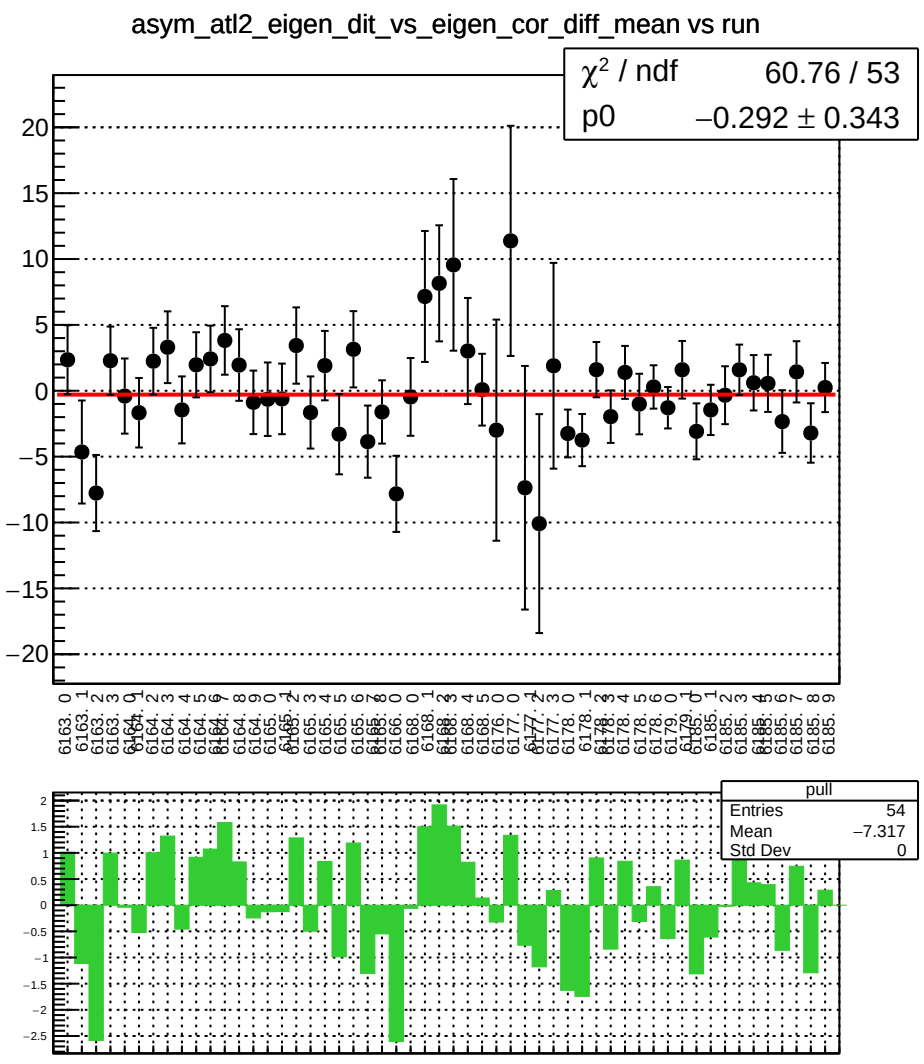

pull1D
Entries 54
Mean 0.03653
Std Dev 0.9974
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

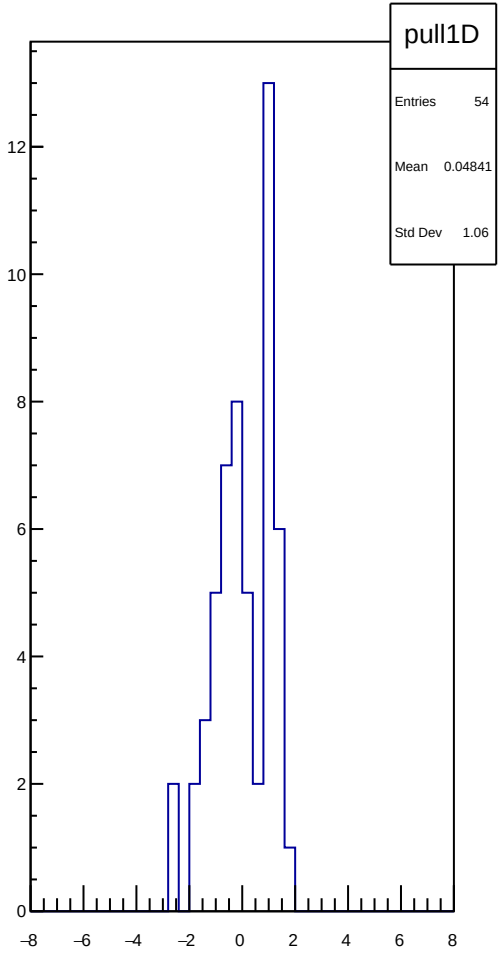

asym_atl2_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.8e+05 / 53
p0 0.02405 ± 2.772e−05
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

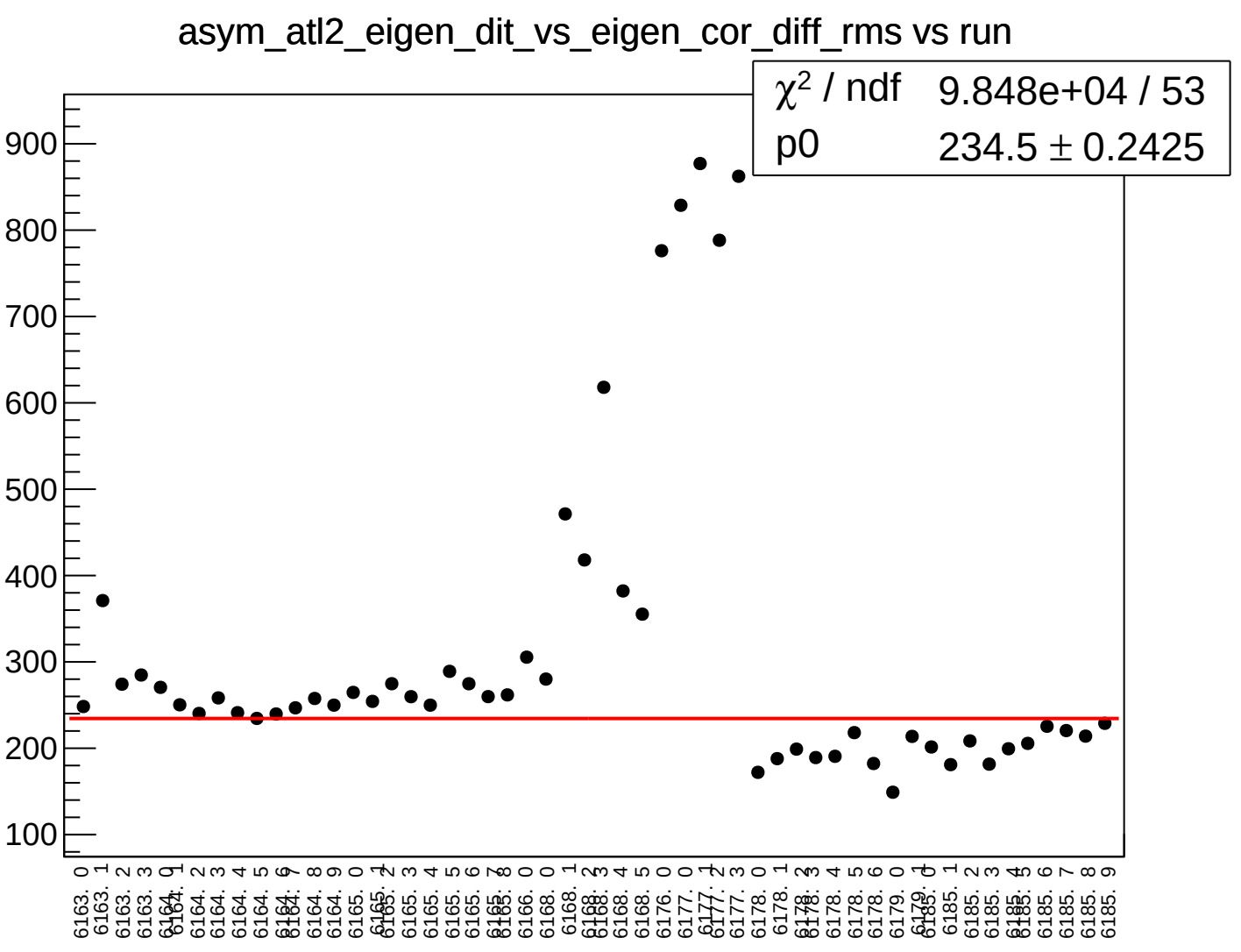

asym_atl2_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 60.76 / 53
p0 −0.292 ± 0.343
pull
Entries 54
Mean −7.317
Std Dev 0

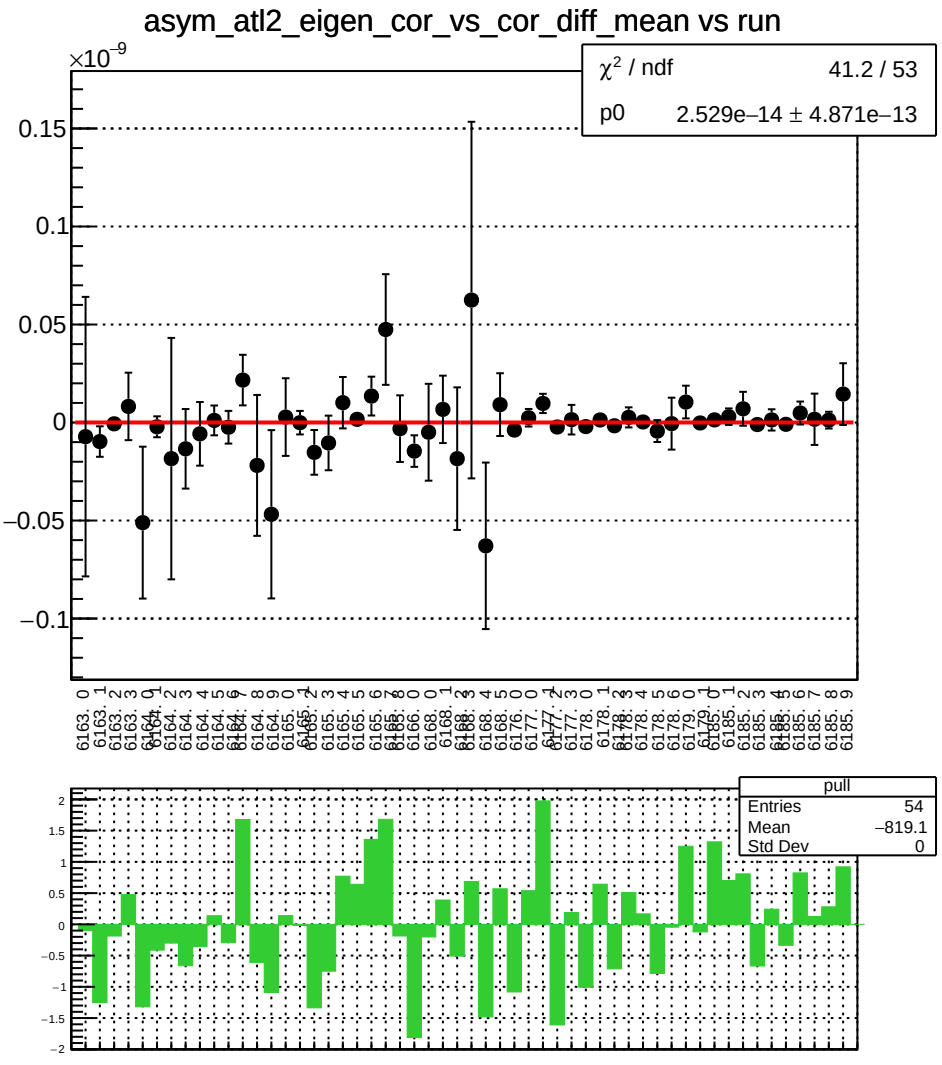

pull1D
Entries 54
Mean 0.04841
Std Dev 1.06

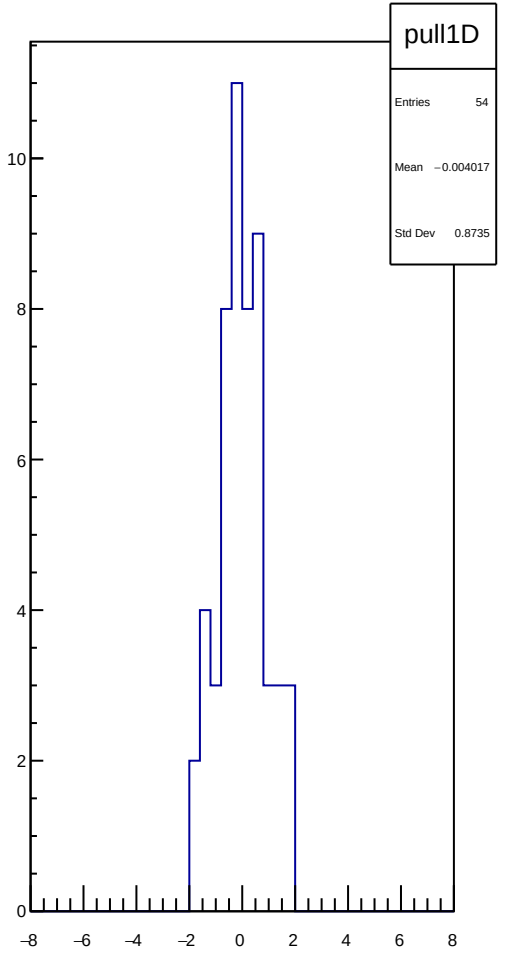

asym_atl2_eigen_dit_vs_cor_diff_rms vs run
χ^2 / ndf 9.848e+04 / 53
p0 234.5 ± 0.2425
900
800
700
600
500
400
300
200
100
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

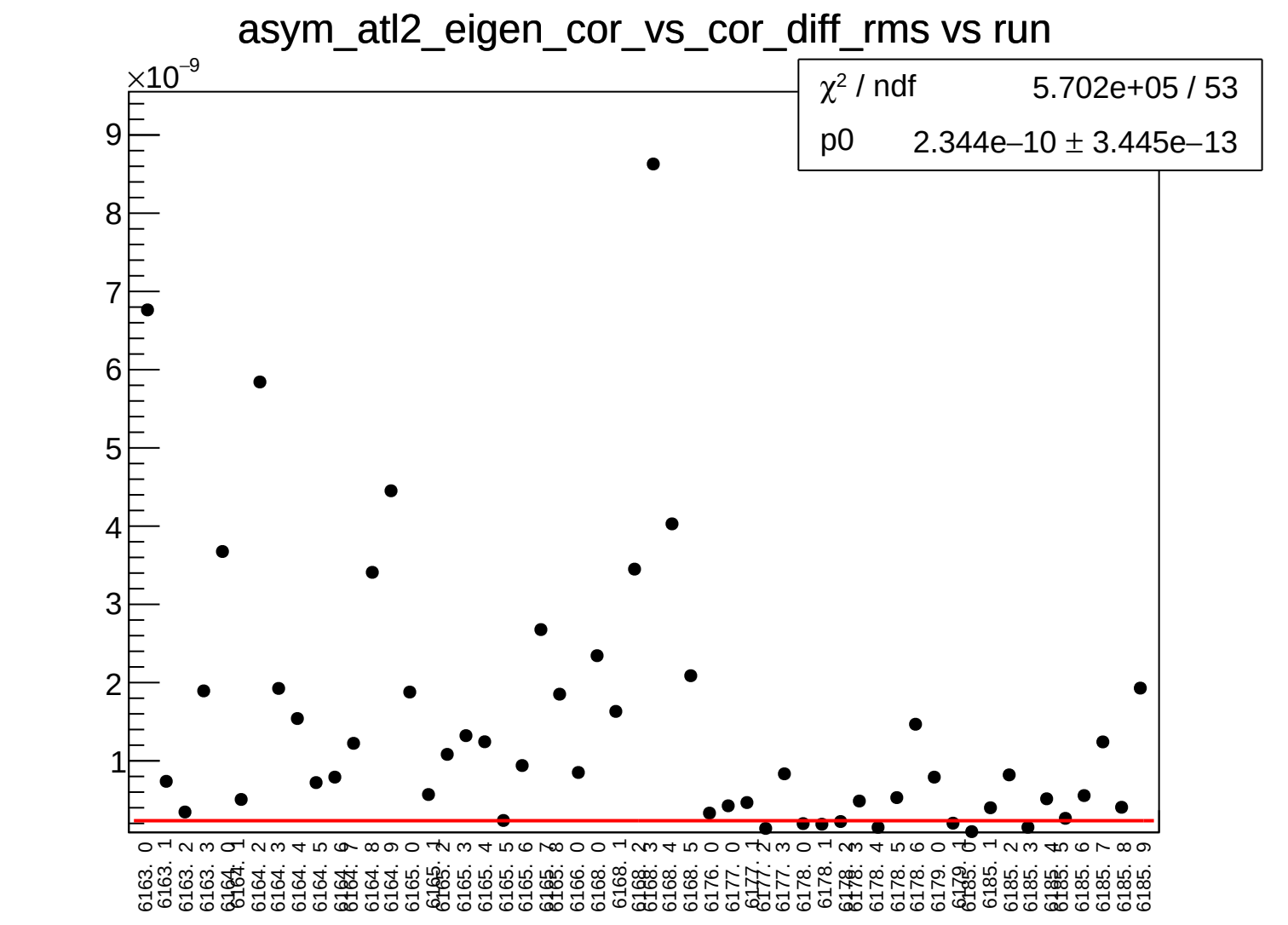

asym_atl2_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 60.76 / 53
p0 −0.292 ± 0.343
pull
Entries 54
Mean −7.317
Std Dev 0

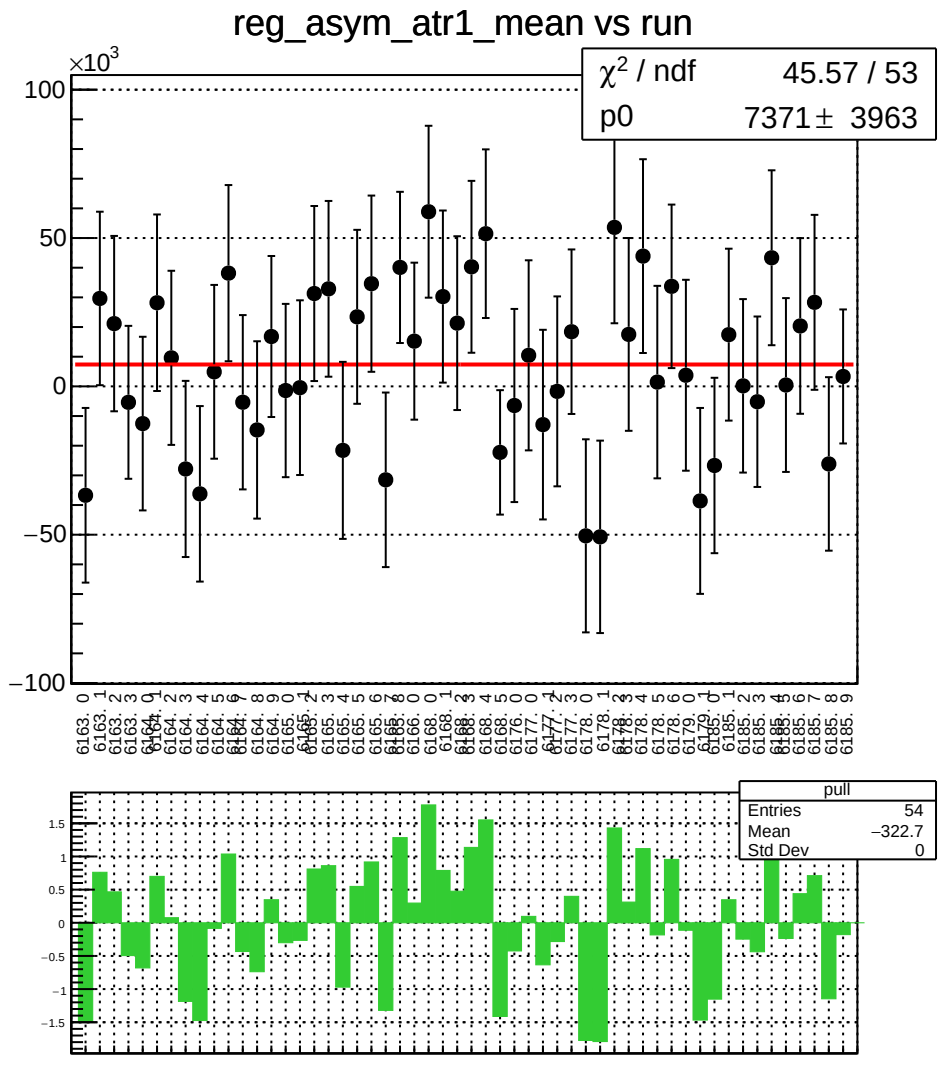

pull1D
Entries 54
Mean 0.04841
Std Dev 1.06

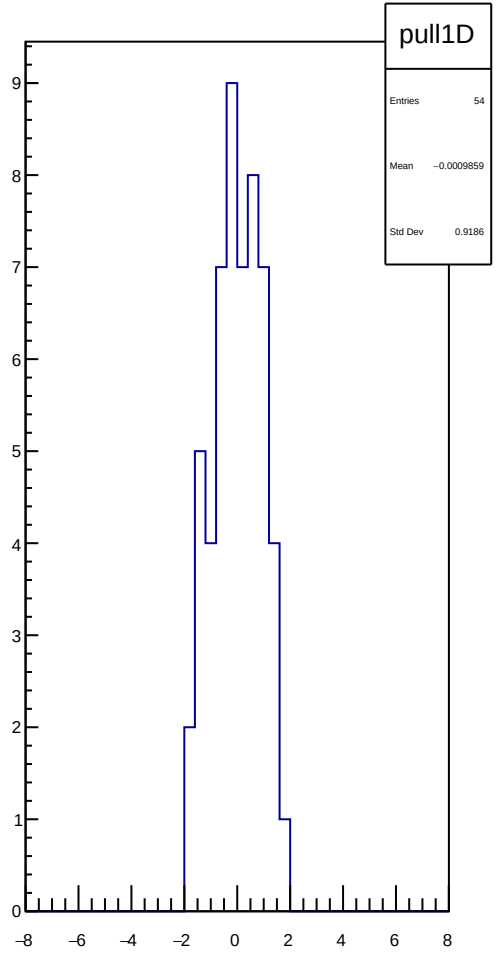

asym_atl2_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.848e+04 / 53
p0 234.5 ± 0.2425
900
800
700
600
500
400
300
200
100
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

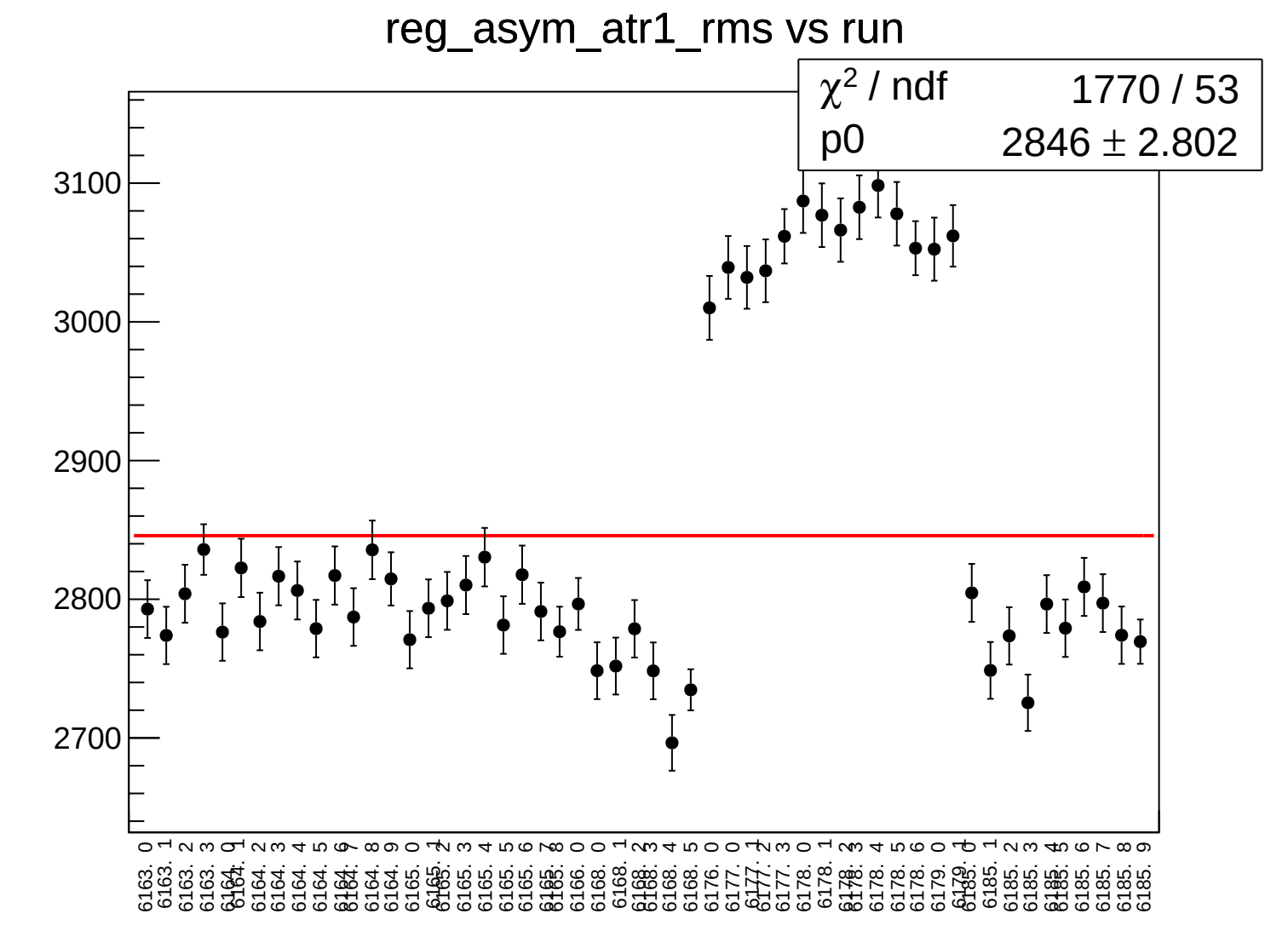

asym_atl2_eigen_cor_vs_cor_diff_mean vs run
×10⁻⁹
χ² / ndf 41.2 / 53
p0 2.529e−14 ± 4.871e−13
0.15
0.1
0.05
0
−0.05
−0.1
pull
Entries 54
Mean −819.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

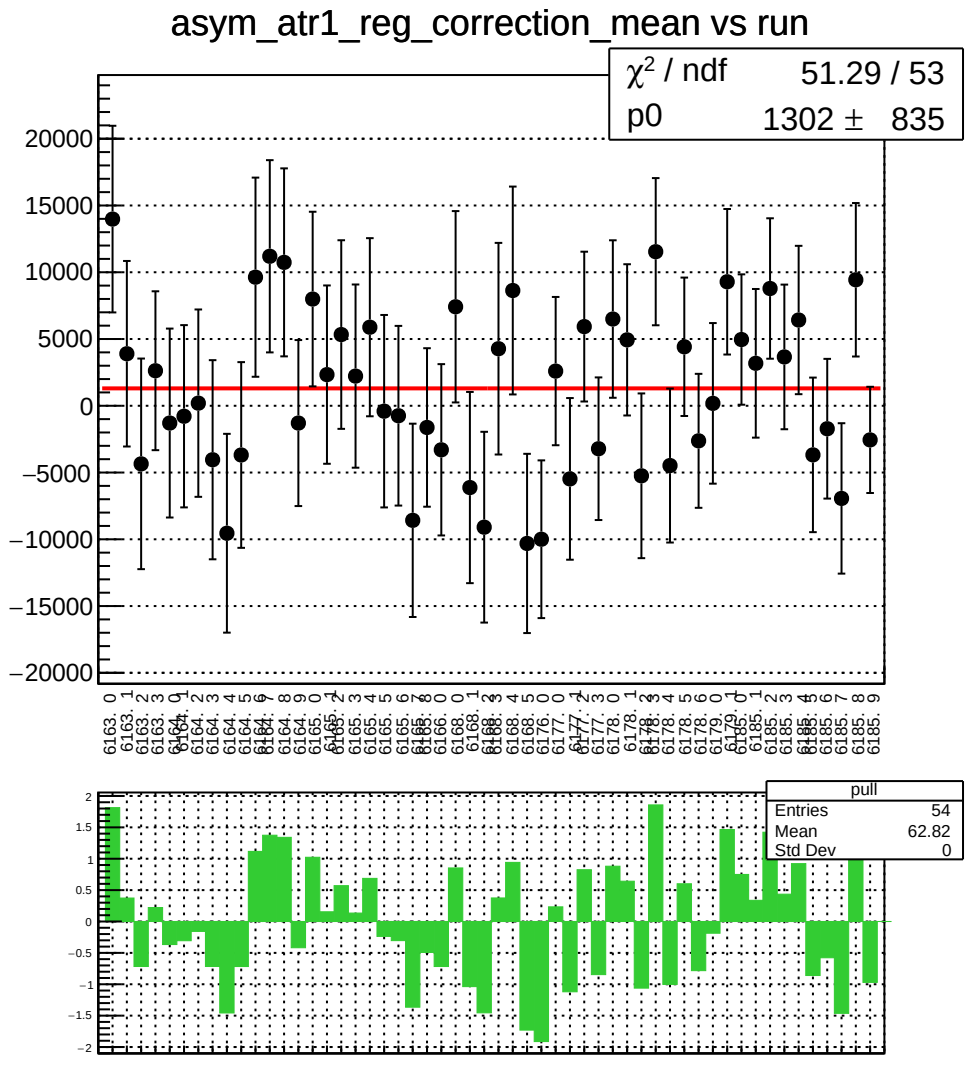

pull1D
Entries 54
Mean −0.004017
Std Dev 0.8735
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

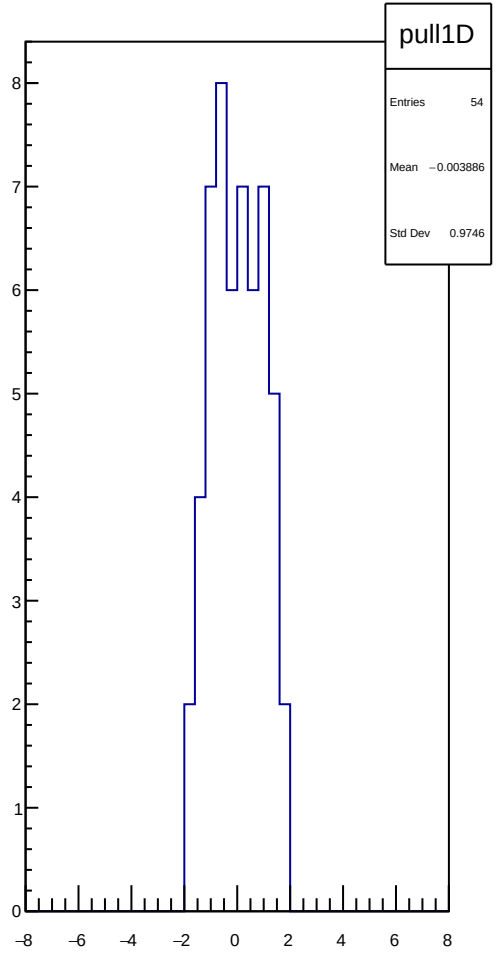

asym_atl2_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.702e+05 / 53
p0 2.344e−10 ± 3.445e−13
9
8
7
6
5
4
3
2
1
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 9
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

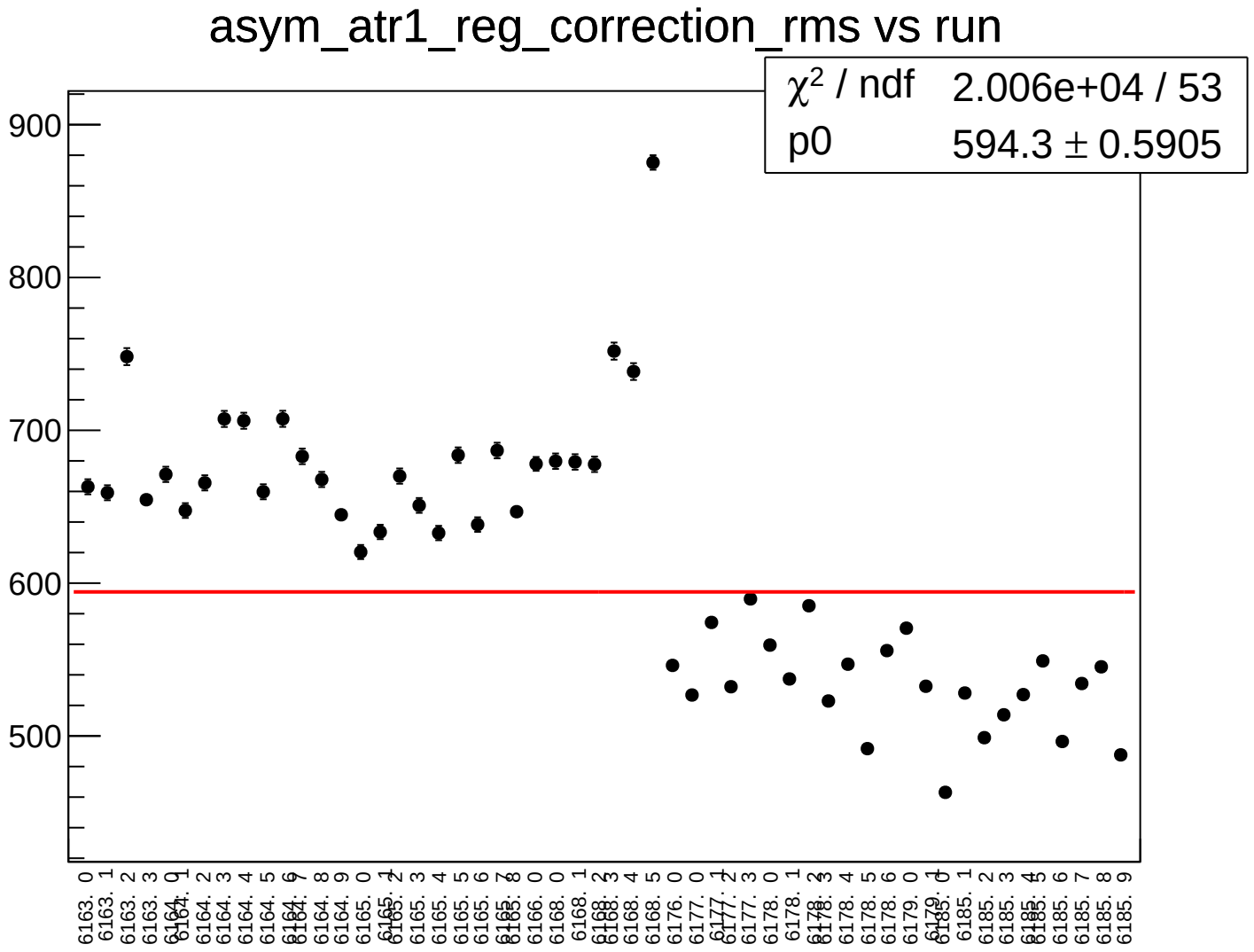

reg_asym_atr1_mean vs run
×10^3
χ^2 / ndf 45.57 / 53
p0 7371 ± 3963
pull
Entries 54
Mean −322.7
Std Dev 0

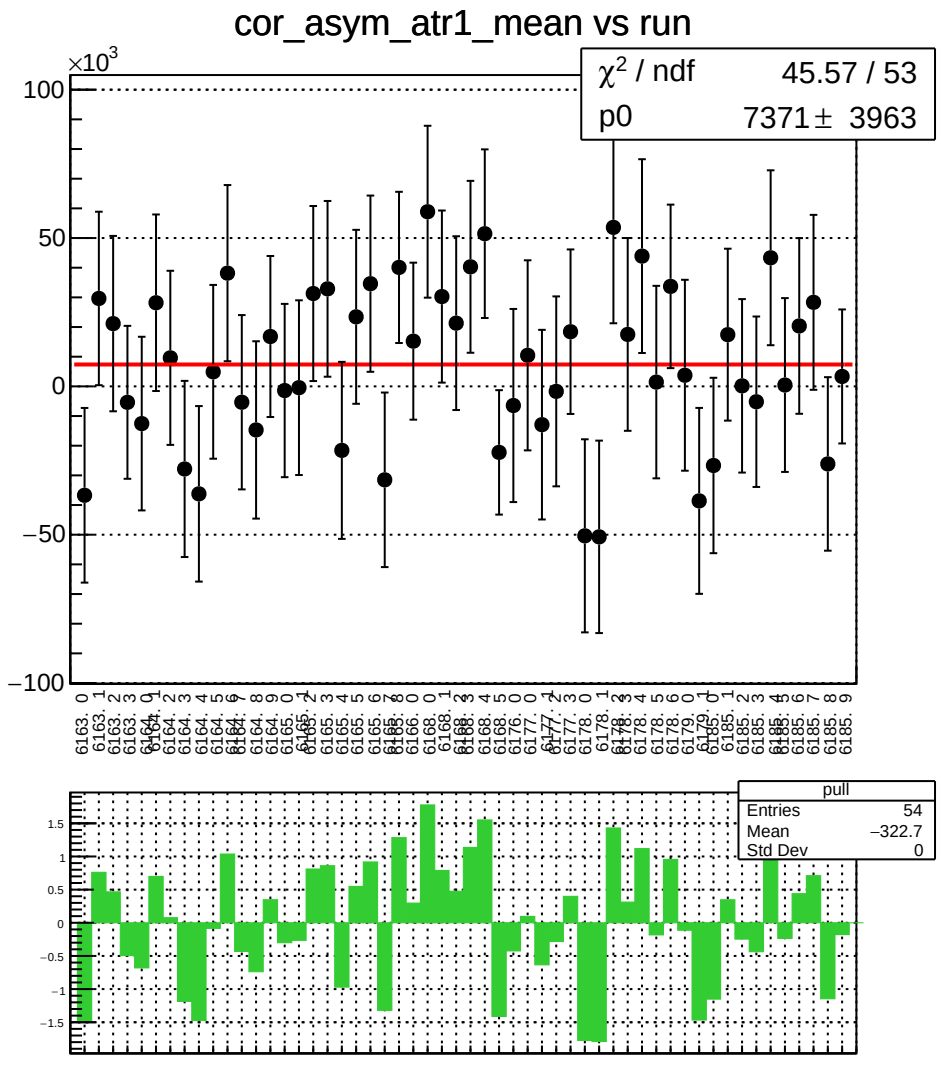

pull1D
Entries 54
Mean −0.0009859
Std Dev 0.9186

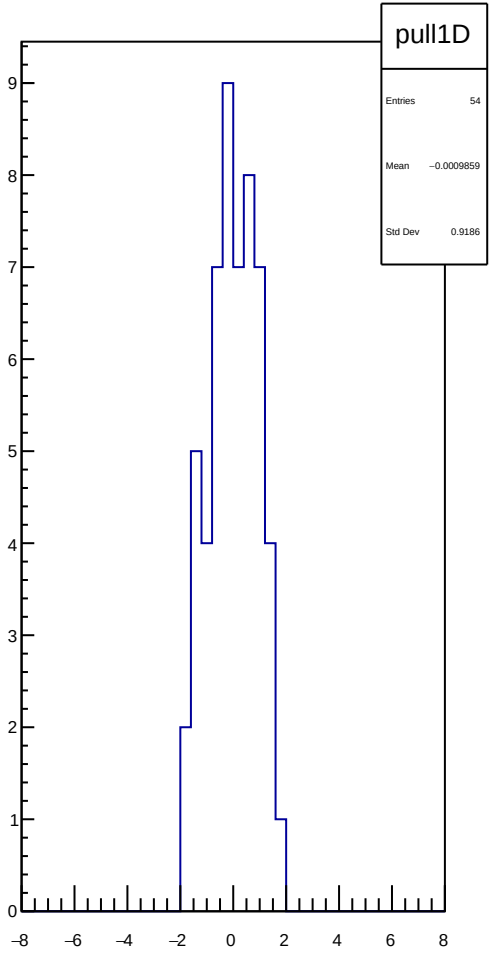

reg_asym_atr1_rms vs run
χ^2 / ndf 1770 / 53
p0 2846 ± 2.802
3100
3000
2900
2800
2700
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

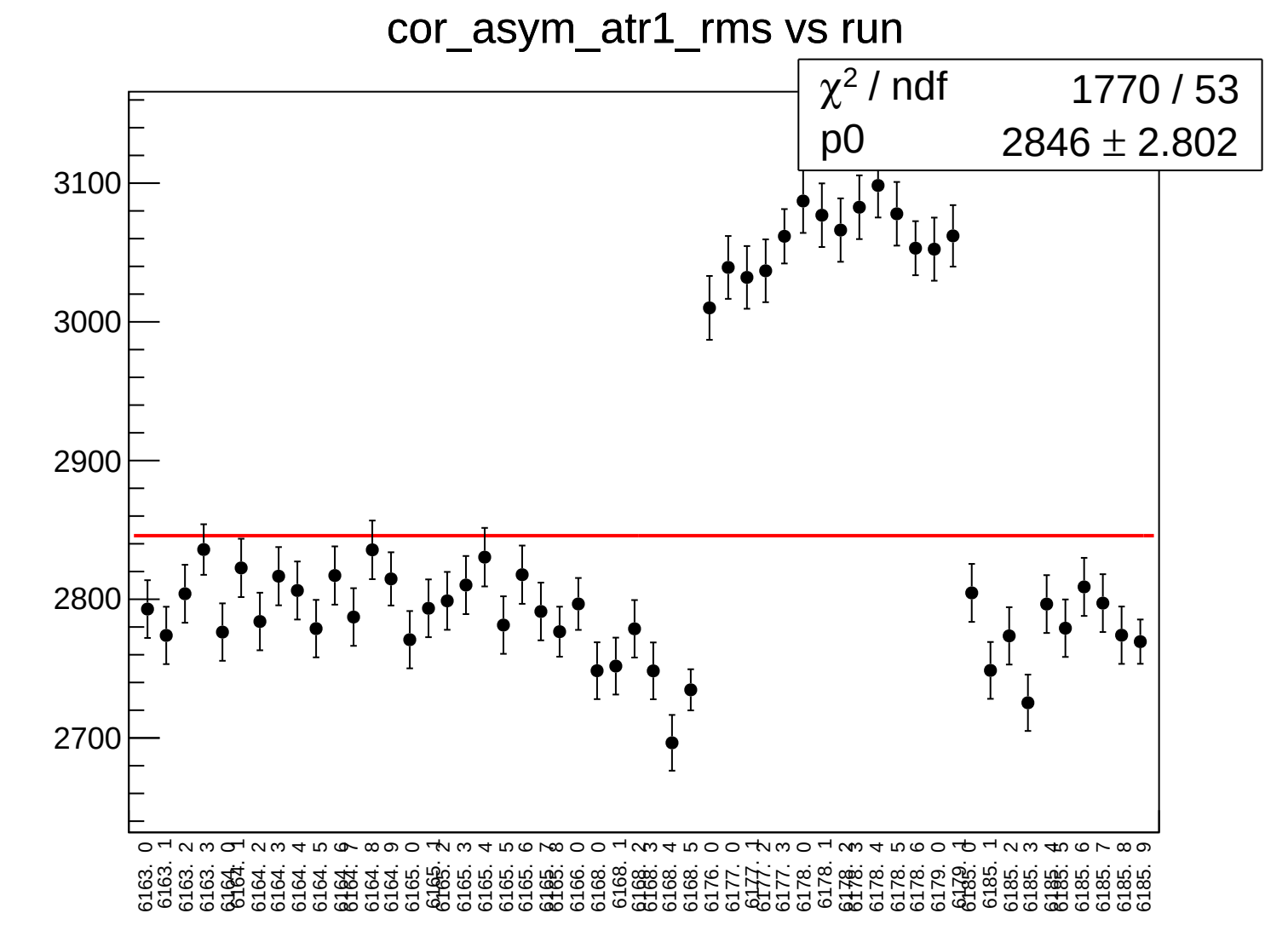

asym_atr1_reg_correction_mean vs run
χ² / ndf 51.29 / 53
p0 1302 ± 835
pull
Entries 54
Mean 62.82
Std Dev 0

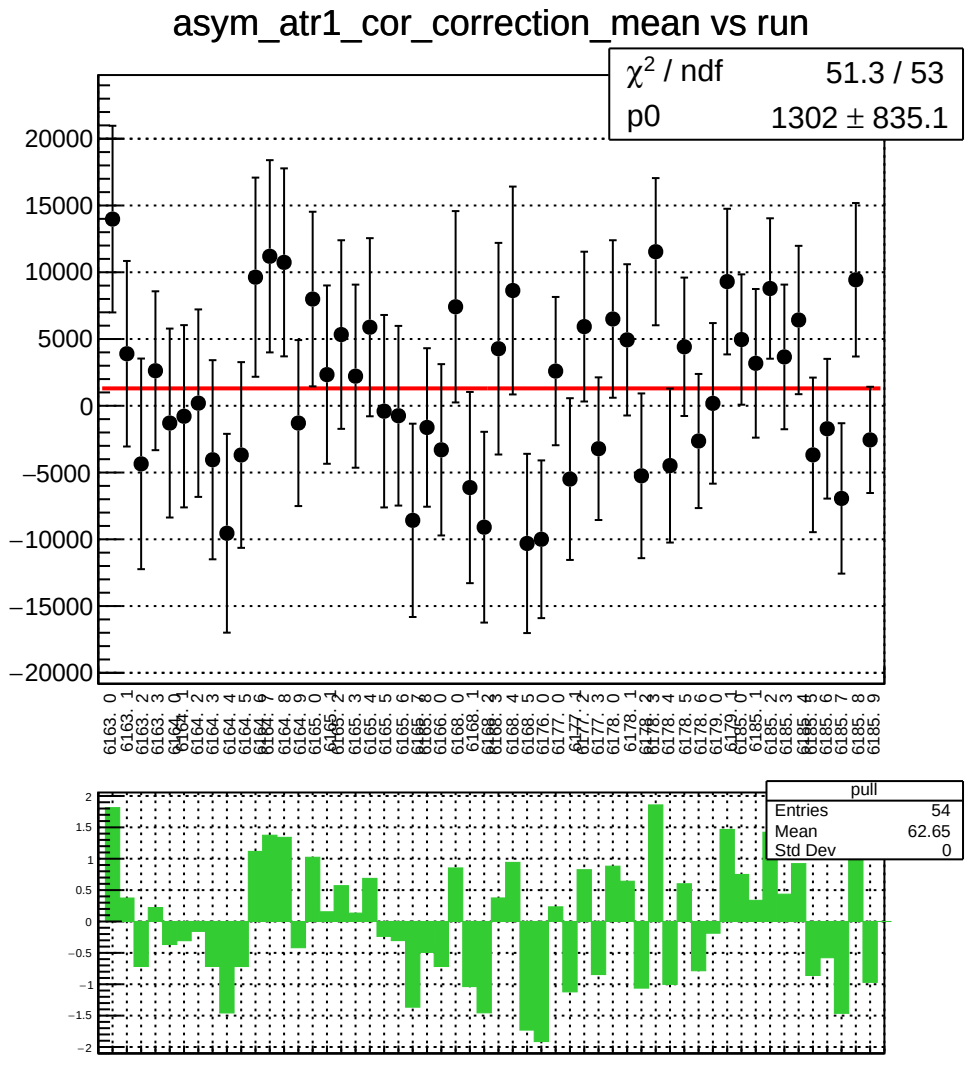

pull1D
Entries 54
Mean −0.003886
Std Dev 0.9746

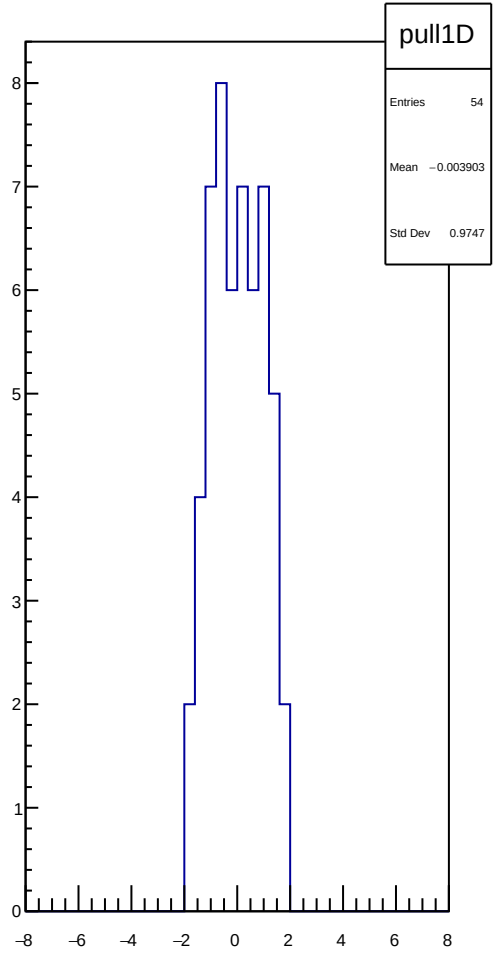

asym_atr1_reg_correction_rms vs run
χ² / ndf 2.006e+04 / 53
p0 594.3 ± 0.5905
900
800
700
600
500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

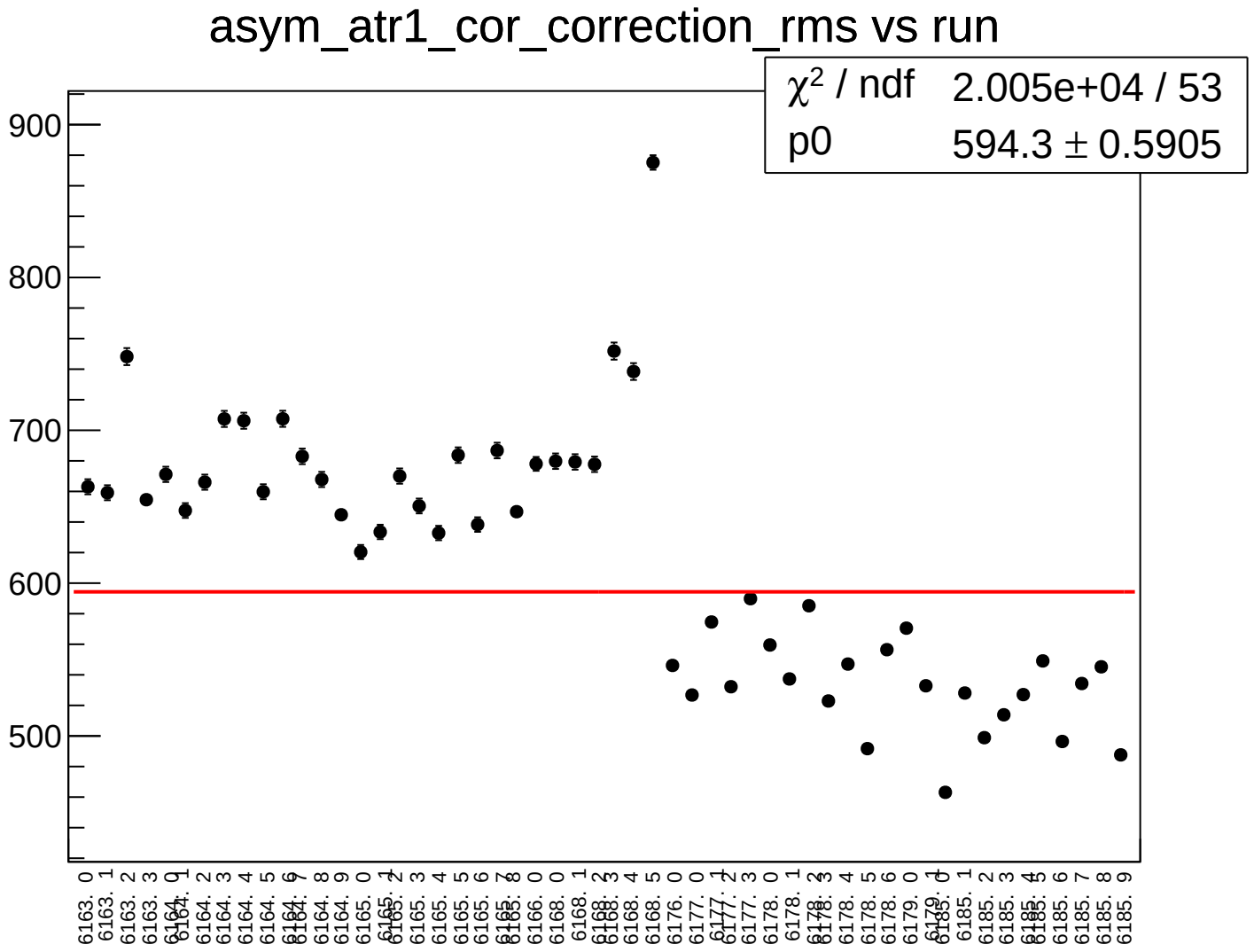

cor_asym_atr1_mean vs run
×10^3
χ^2 / ndf 45.57 / 53
p0 7371 ± 3963
pull
Entries 54
Mean −322.7
Std Dev 0

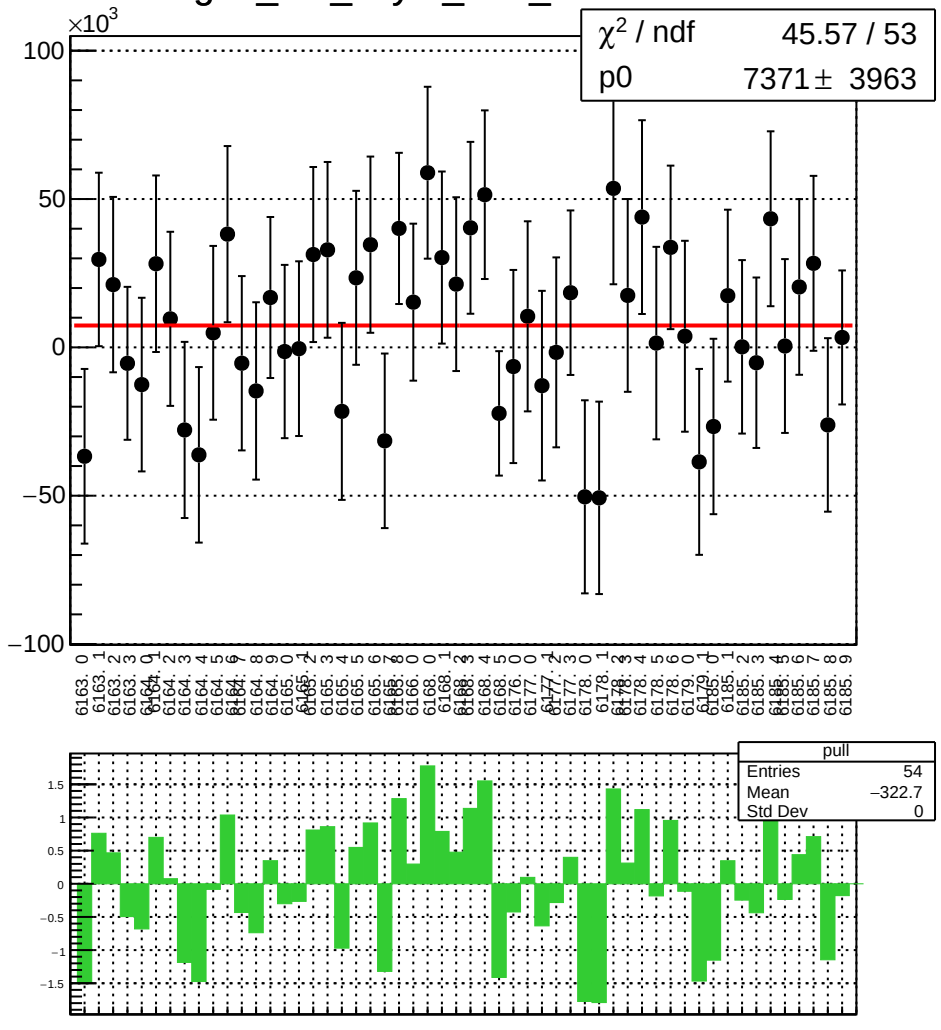

pull1D
Entries 54
Mean −0.0009859
Std Dev 0.9186

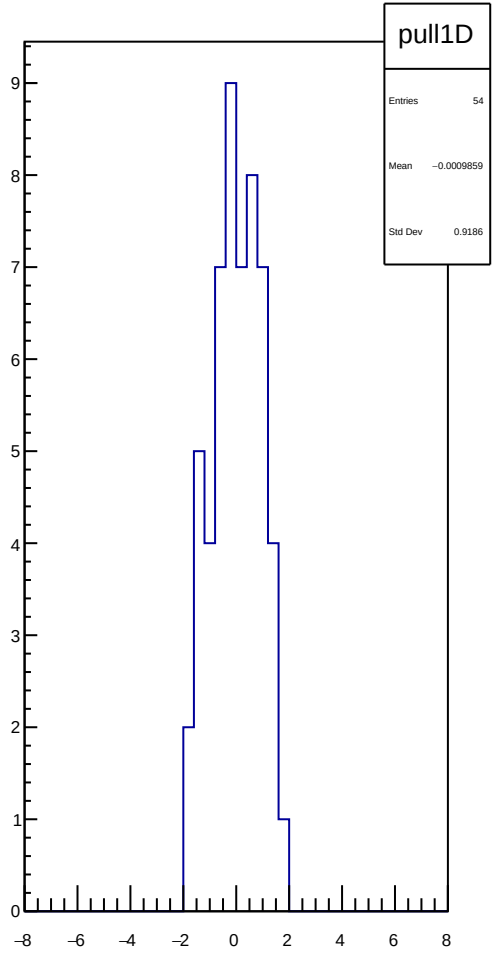

cor_asym_atr1_rms vs run
χ² / ndf 1770 / 53
p0 2846 ± 2.802
3100
3000
2900
2800
2700
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

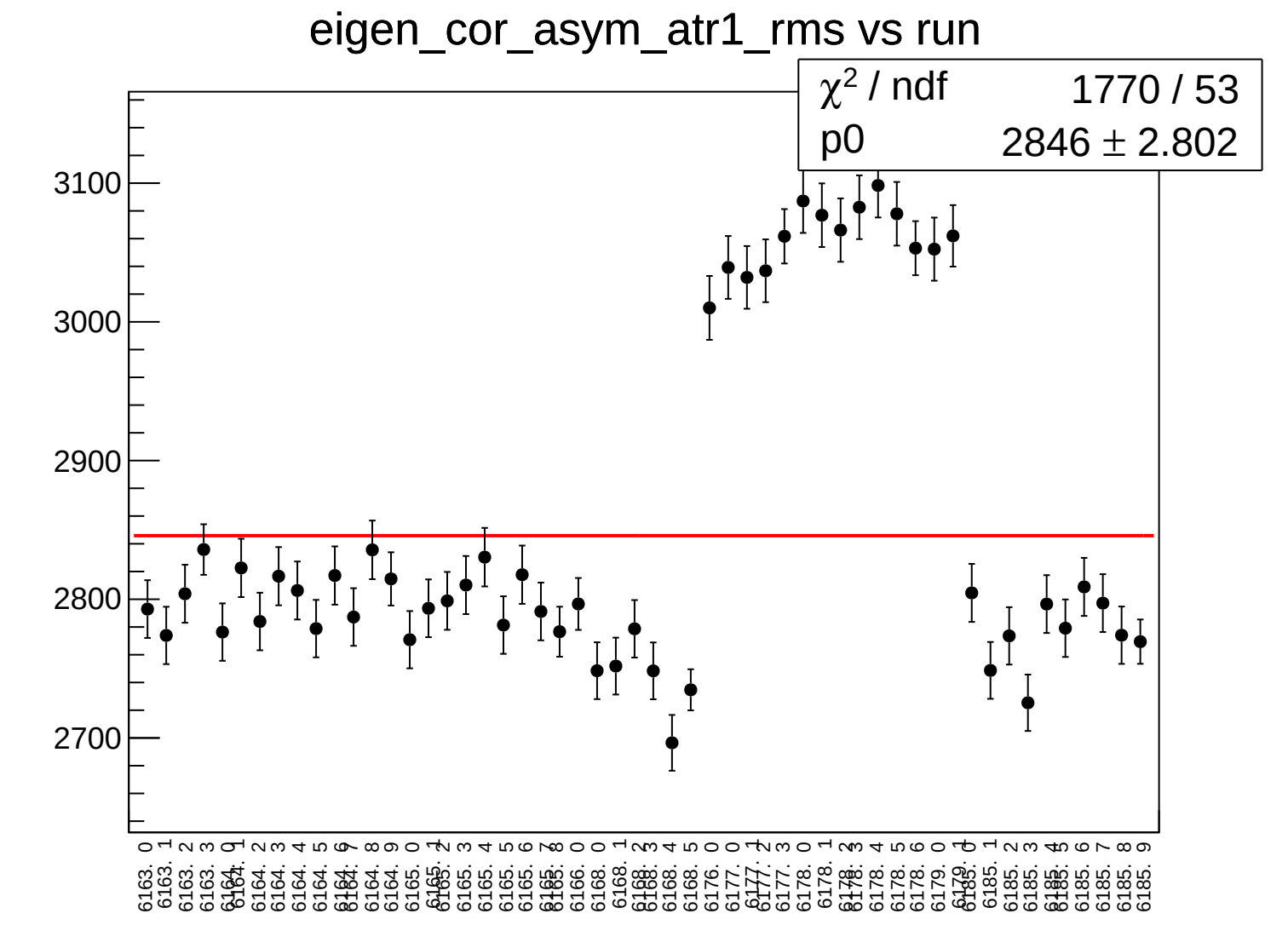

asym_atr1_cor_correction_mean vs run
χ² / ndf 51.3 / 53
p0 1302 ± 835.1
pull
Entries 54
Mean 62.65
Std Dev 0

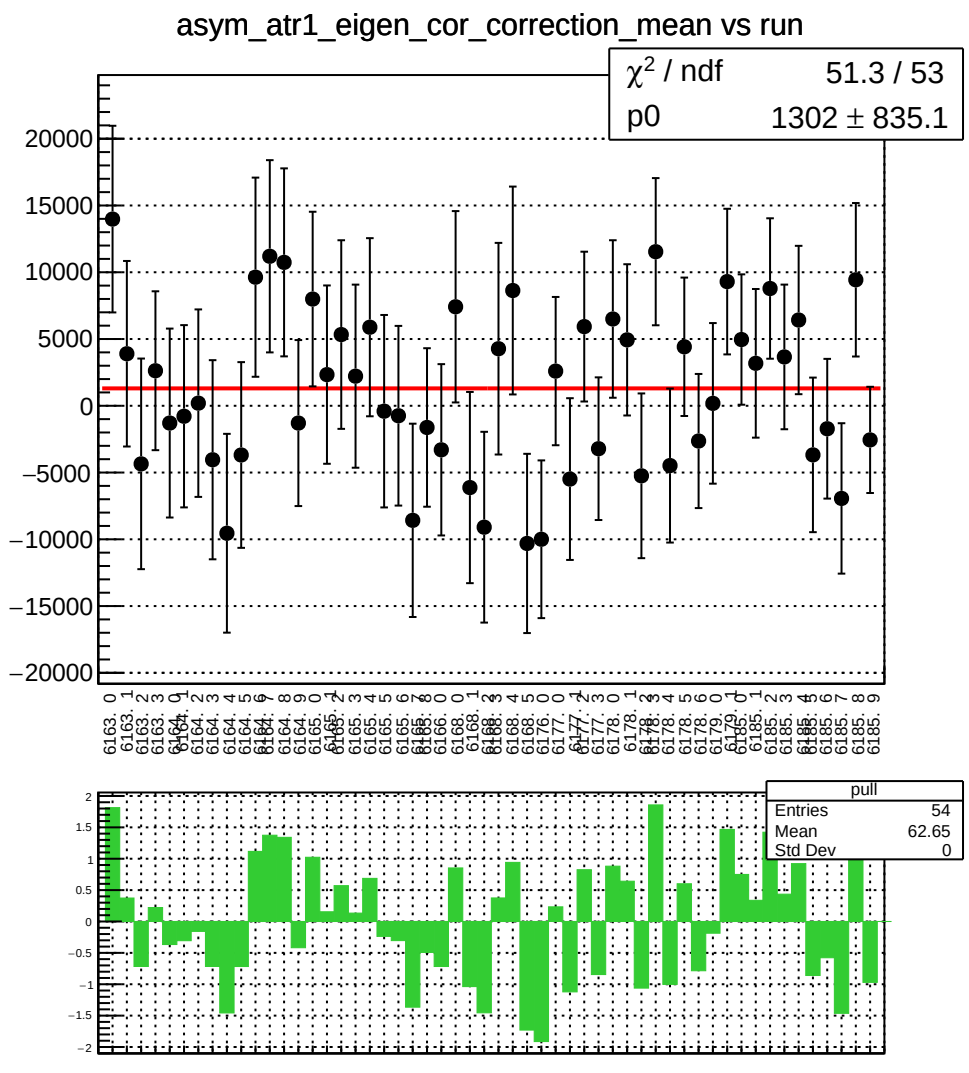

pull1D
Entries 54
Mean −0.003903
Std Dev 0.9747

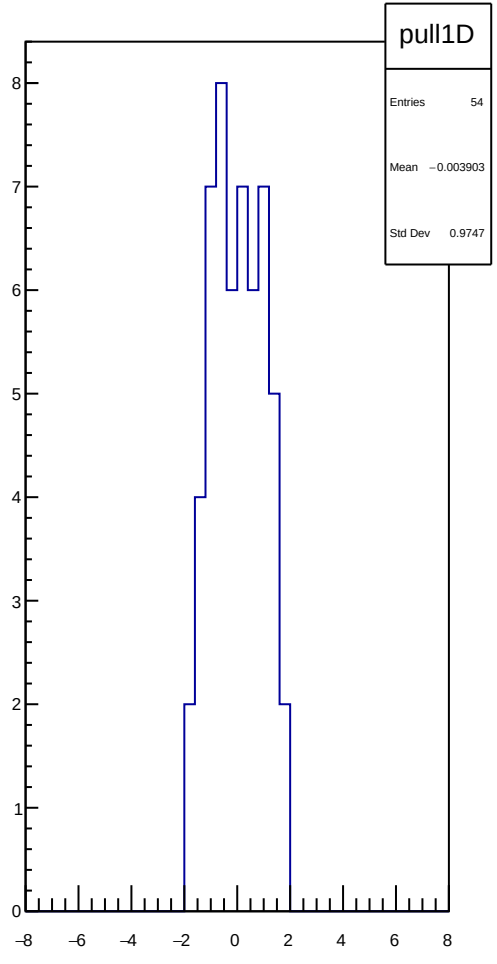

asym_atr1_cor_correction_rms vs run
χ² / ndf 2.005e+04 / 53
p0 594.3 ± 0.5905
900
800
700
600
500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

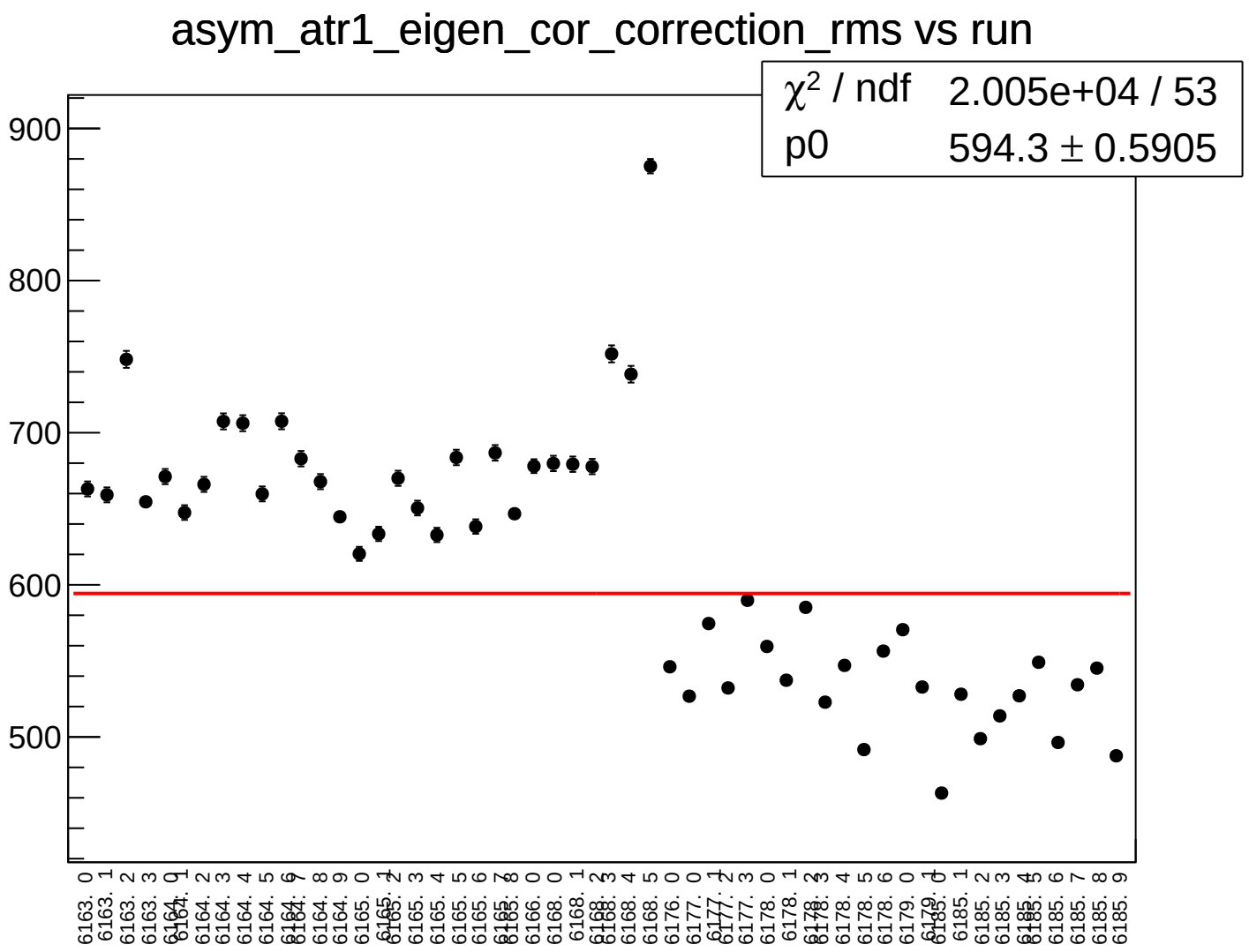

eigen_cor_asym_atr1_mean vs run
×10^3
χ^2 / ndf 45.57 / 53
p0 7371 ± 3963
100
50
0
−50
−100
pull
Entries 54
Mean −322.7
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

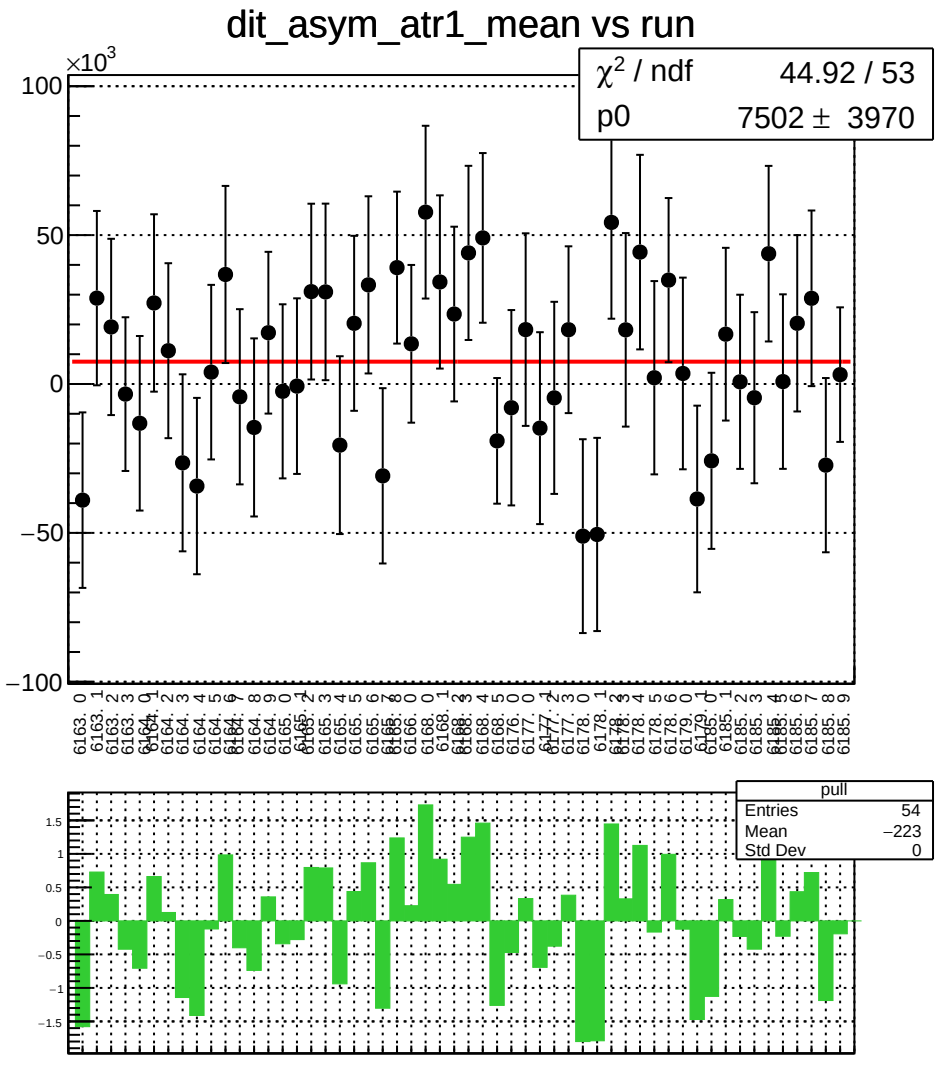

pull1D
Entries 54
Mean −0.0009859
Std Dev 0.9186
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

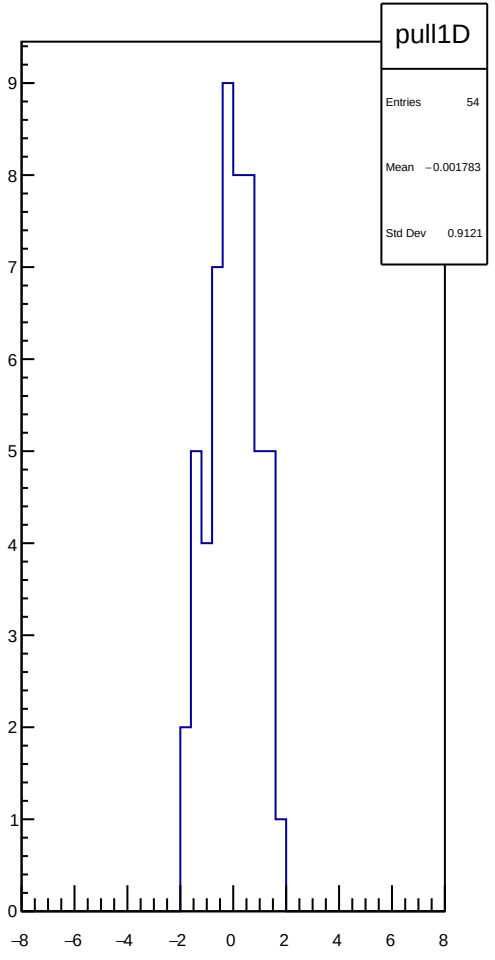

eigen_cor_asym_atr1_rms vs run
χ² / ndf 1770 / 53
p0 2846 ± 2.802
3100
3000
2900
2800
2700
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

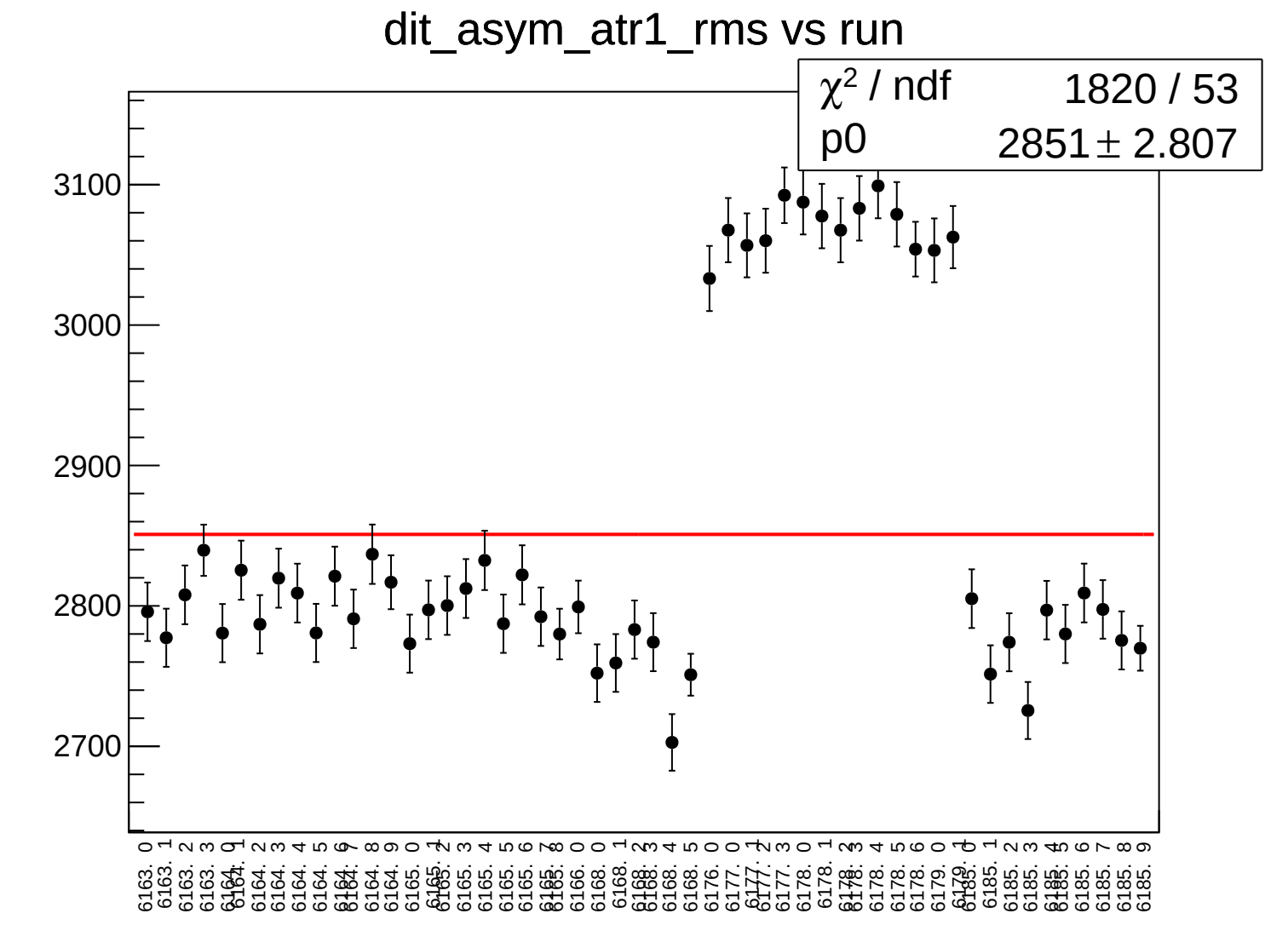

asym_atr1_eigen_cor_correction_mean vs run
χ² / ndf 51.3 / 53
p0 1302 ± 835.1
pull
Entries 54
Mean 62.65
Std Dev 0

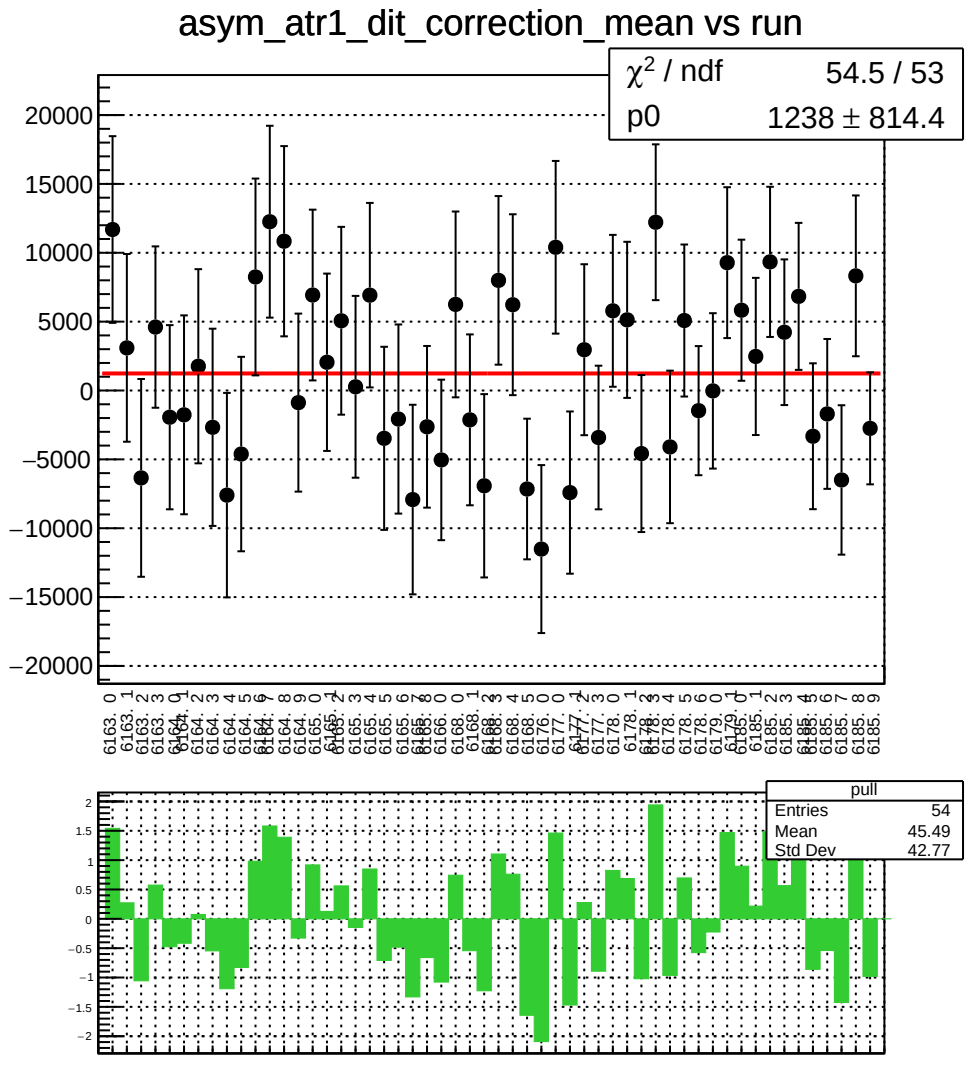

pull1D
Entries 54
Mean −0.003903
Std Dev 0.9747

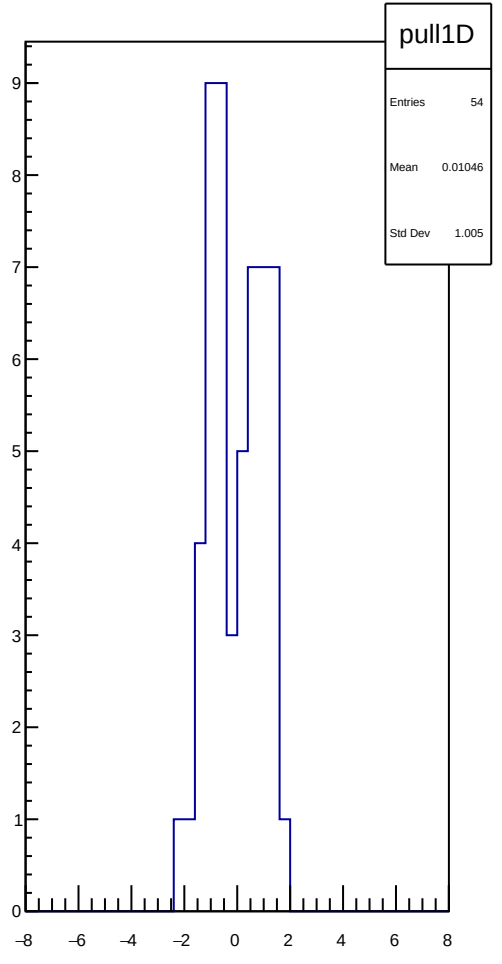

asym_atr1_eigen_cor_correction_rms vs run
χ² / ndf 2.005e+04 / 53
p0 594.3 ± 0.5905
900
800
700
600
500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

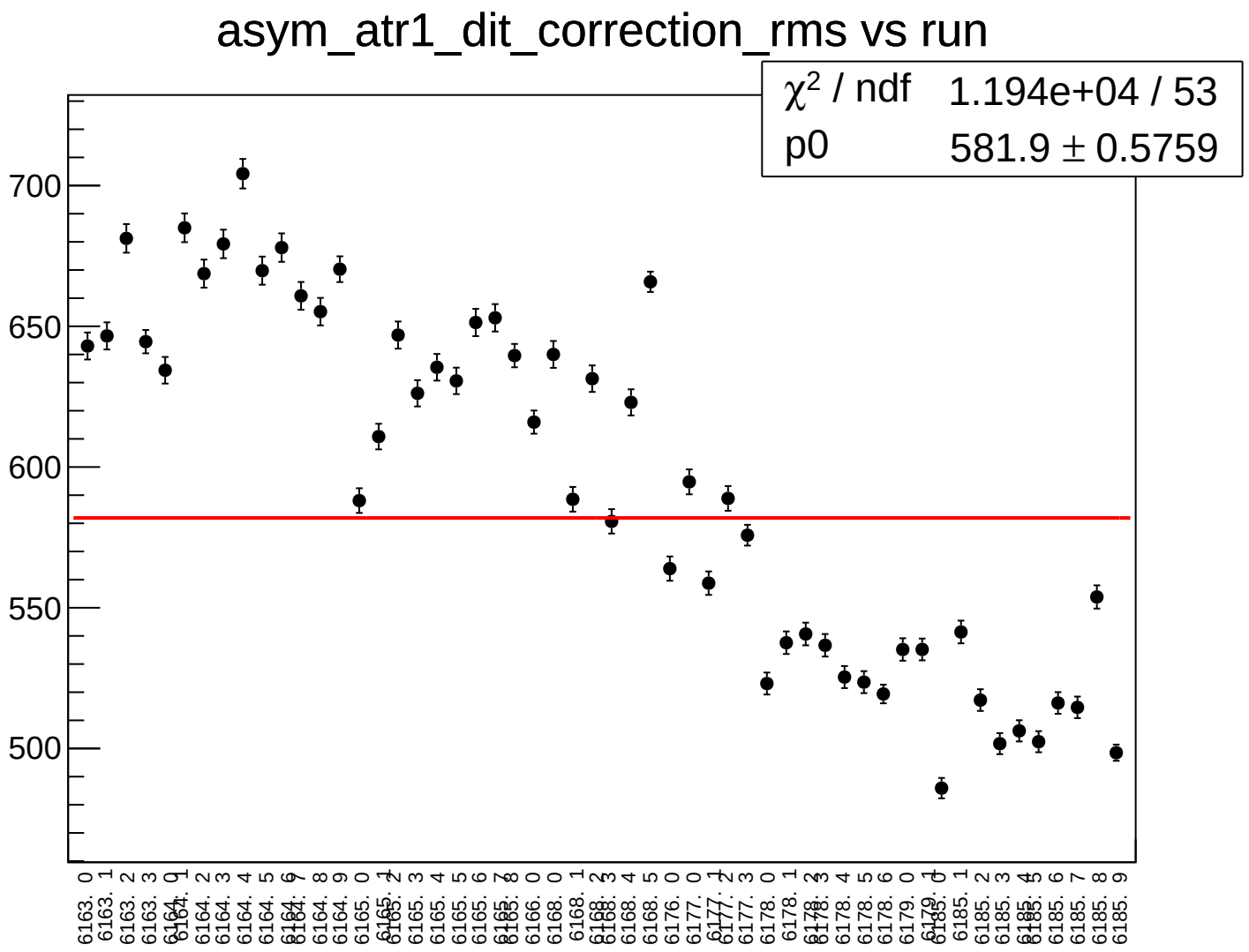

dit_asym_atr1_mean vs run
×10^3
χ^2 / ndf 44.92 / 53
p0 7502 ± 3970
pull
Entries 54
Mean −223
Std Dev 0


pull1D
Entries 54
Mean −0.001783
Std Dev 0.9121


dit_asym_atr1_rms vs run
χ² / ndf 1820 / 53
p0 2851 ± 2.807
3100
3000
2900
2800
2700
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


asym_atr1_dit_correction_mean vs run
χ² / ndf 54.5 / 53
p0 1238 ± 814.4
pull
Entries 54
Mean 45.49
Std Dev 42.77


pull1D
Entries 54
Mean 0.01046
Std Dev 1.005


asym_atr1_dit_correction_rms vs run
χ² / ndf 1.194e+04 / 53
p0 581.9 ± 0.5759
700
650
600
550
500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
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6179. 0
6185. 0
6185. 1
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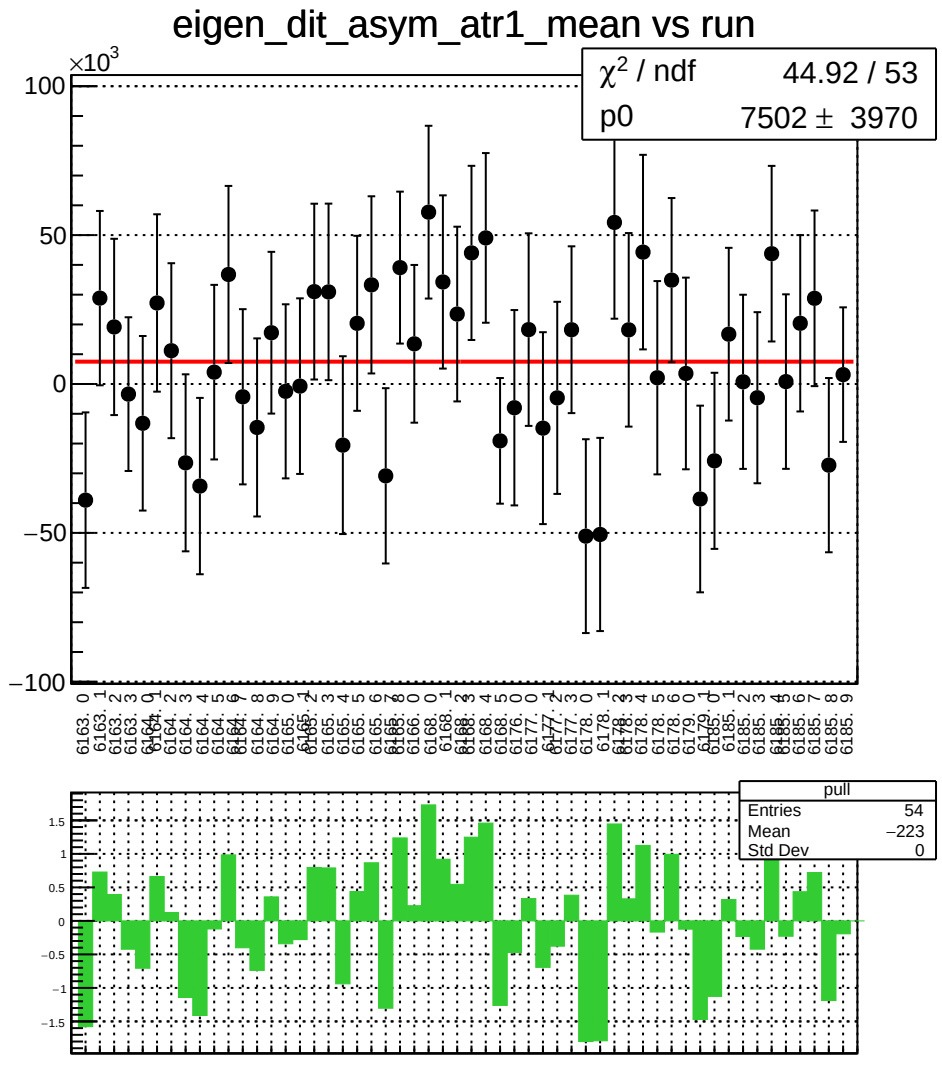
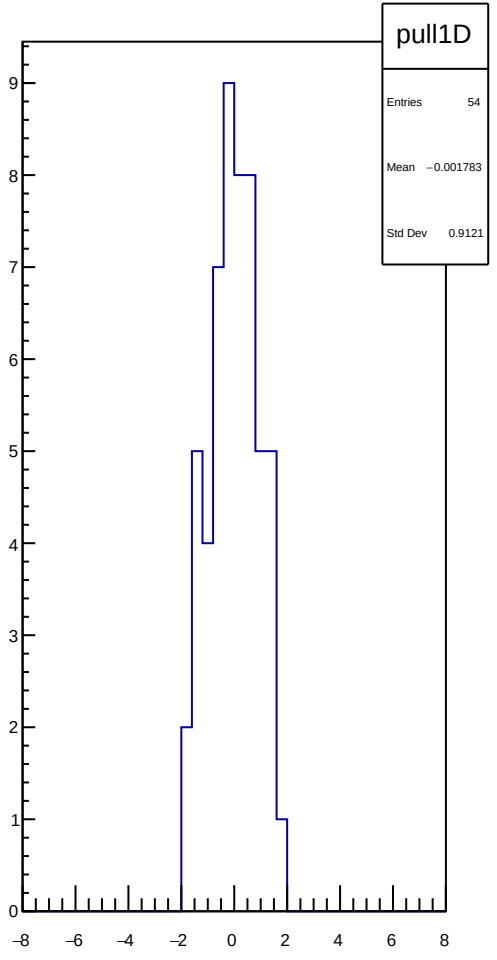
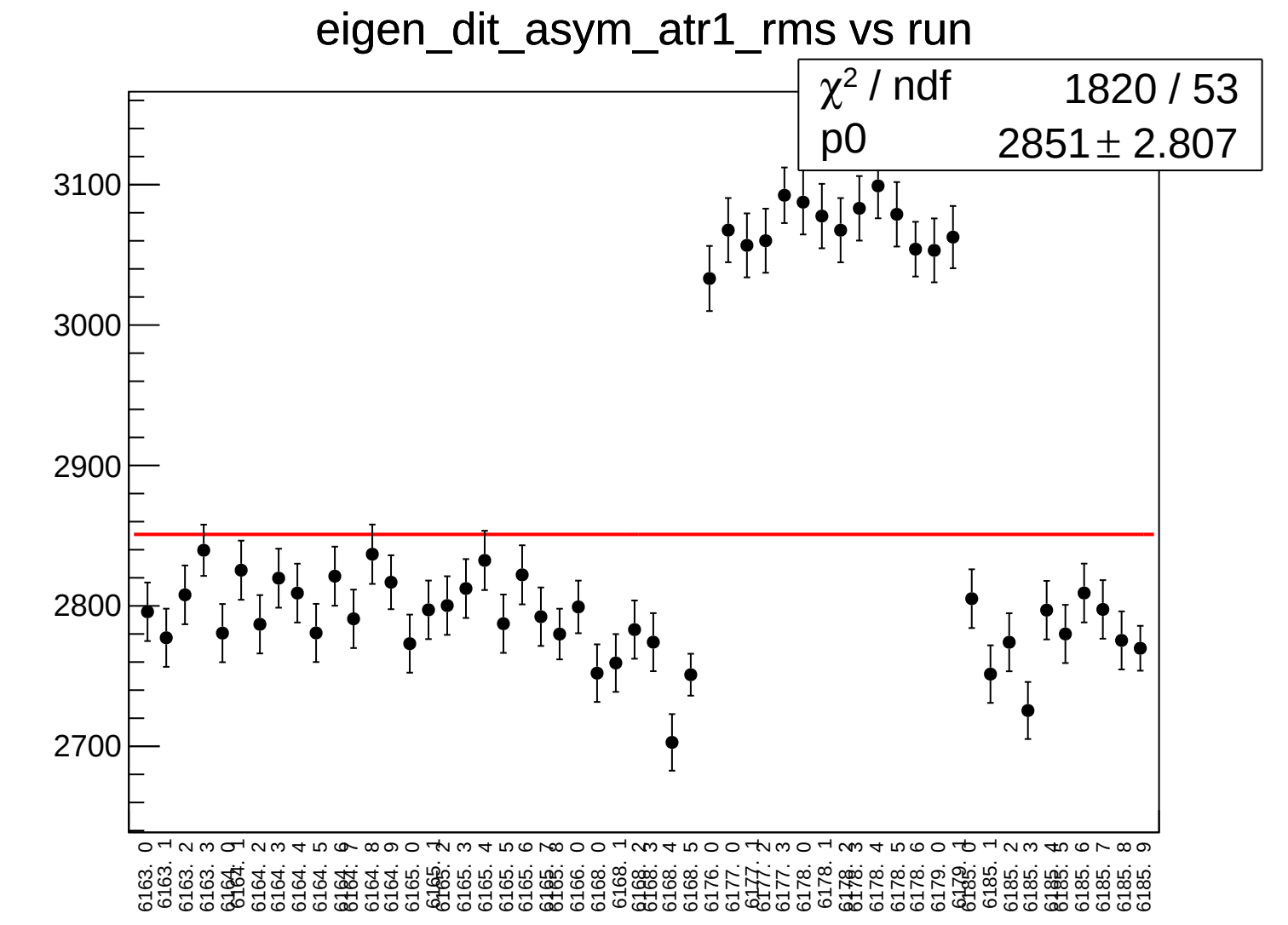
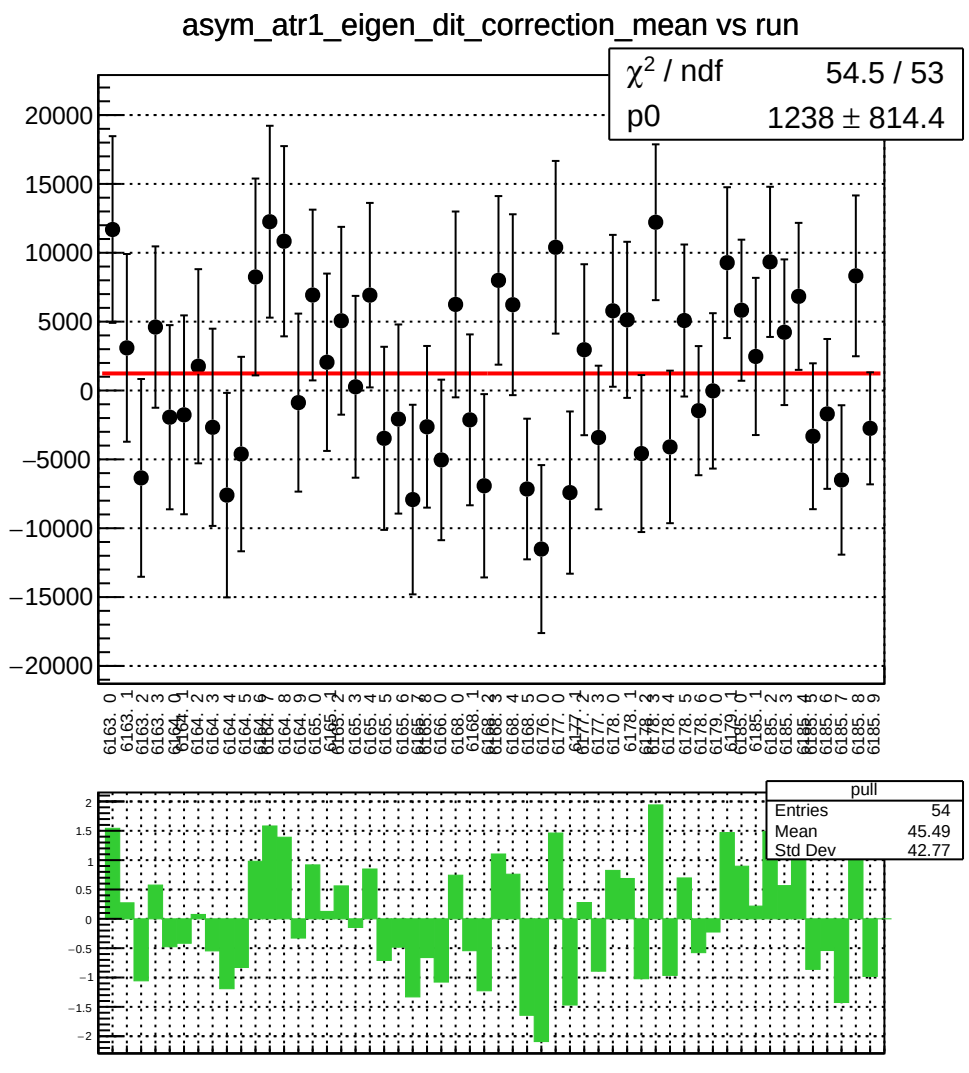
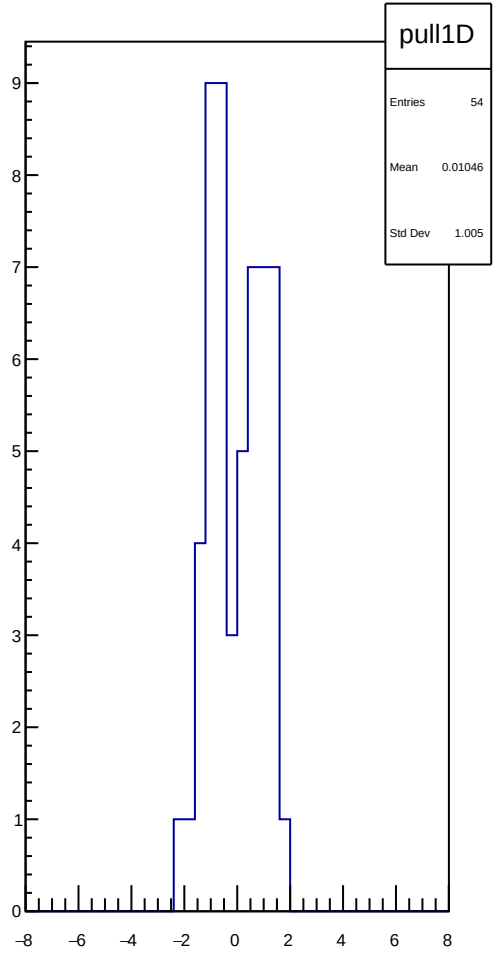
6185. 8
6185. 9

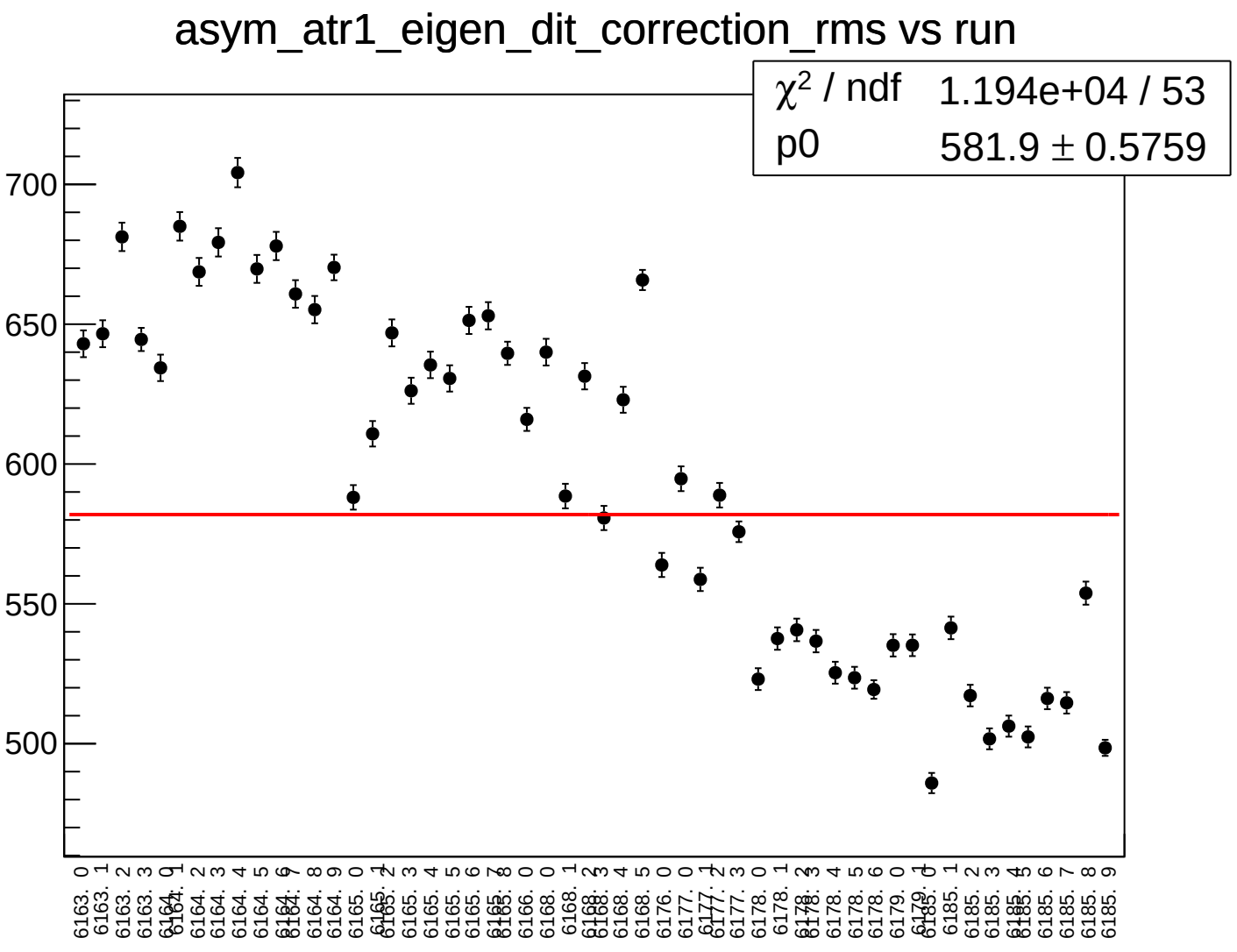

eigen_dit_asym_atr1_mean vs run
×10^3
χ^2 / ndf 44.92 / 53
p0 7502 ± 3970
pull
Entries 54
Mean −223
Std Dev 0

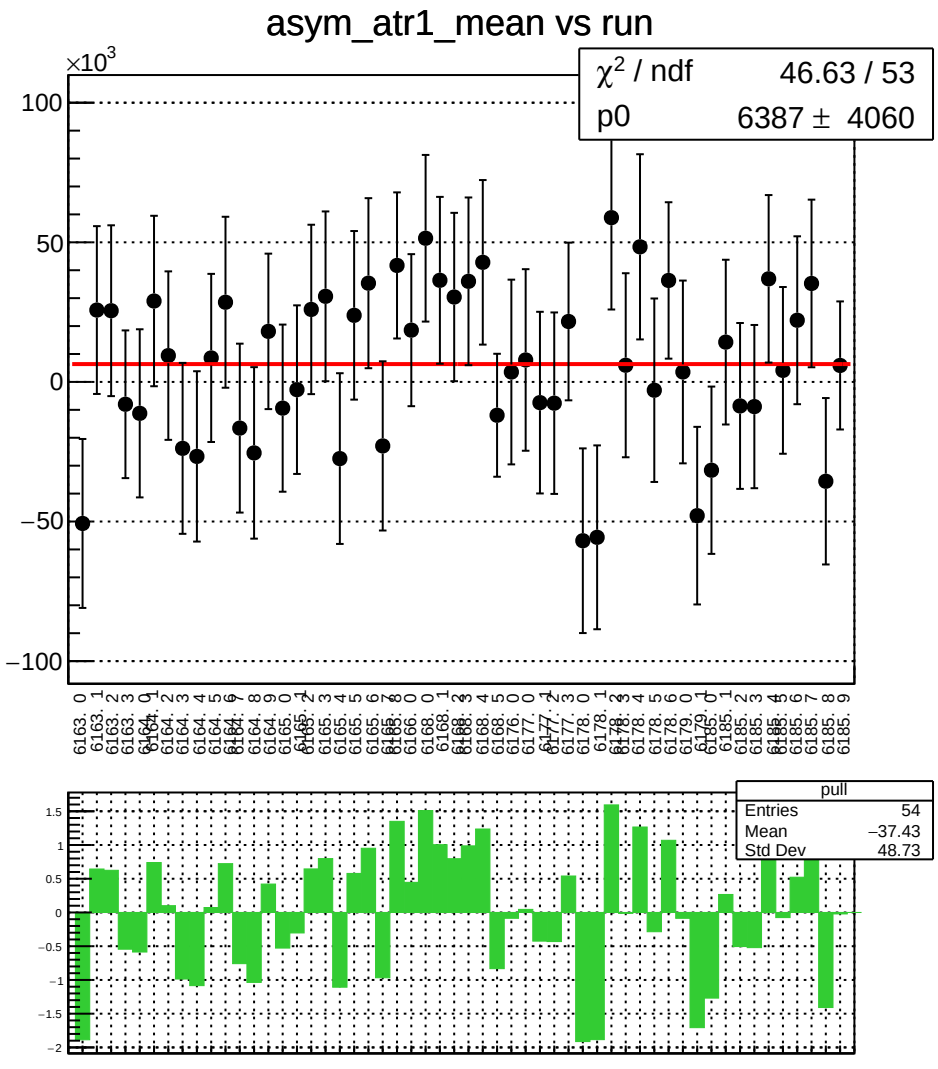

pull1D
Entries 54
Mean −0.001783
Std Dev 0.9121

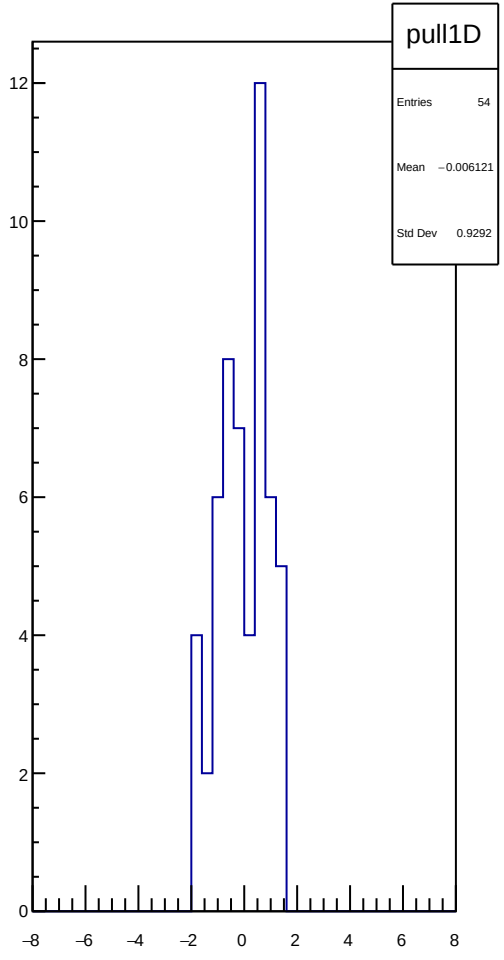

eigen_dit_asym_atr1_rms vs run
χ² / ndf 1820 / 53
p0 2851 ± 2.807
3100
3000
2900
2800
2700
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

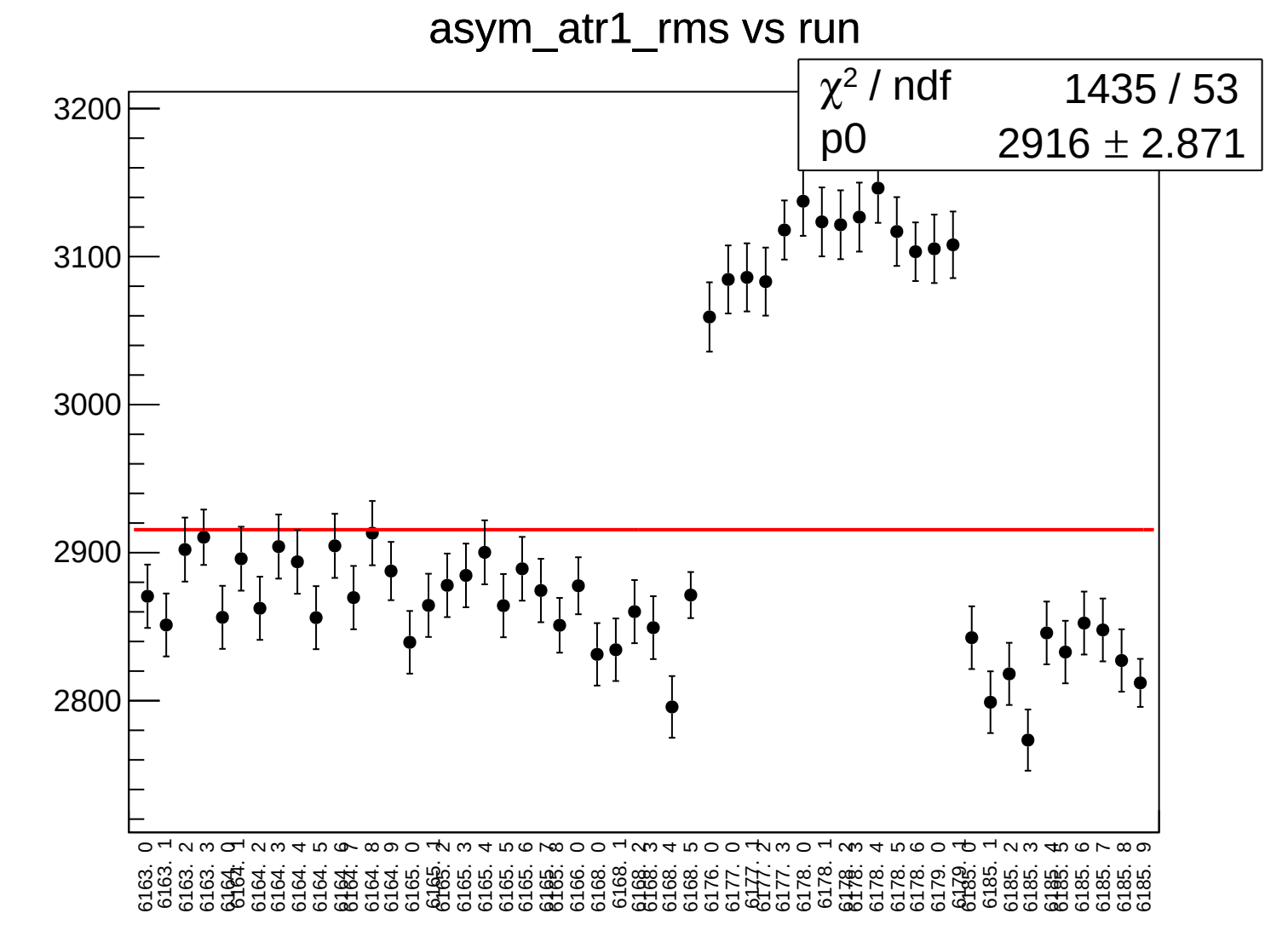

asym_atr1_eigen_dit_correction_mean vs run
χ² / ndf 54.5 / 53
p0 1238 ± 814.4
pull
Entries 54
Mean 45.49
Std Dev 42.77

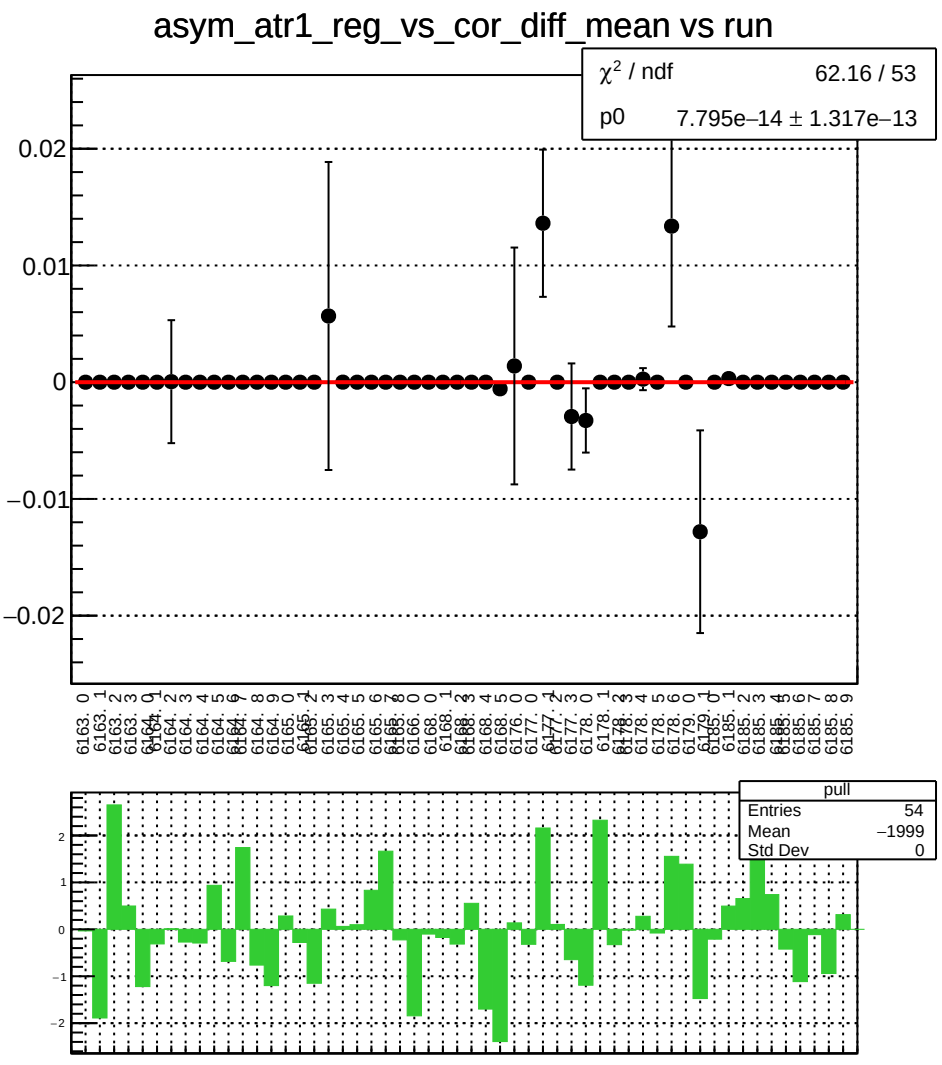

pull1D
Entries 54
Mean 0.01046
Std Dev 1.005

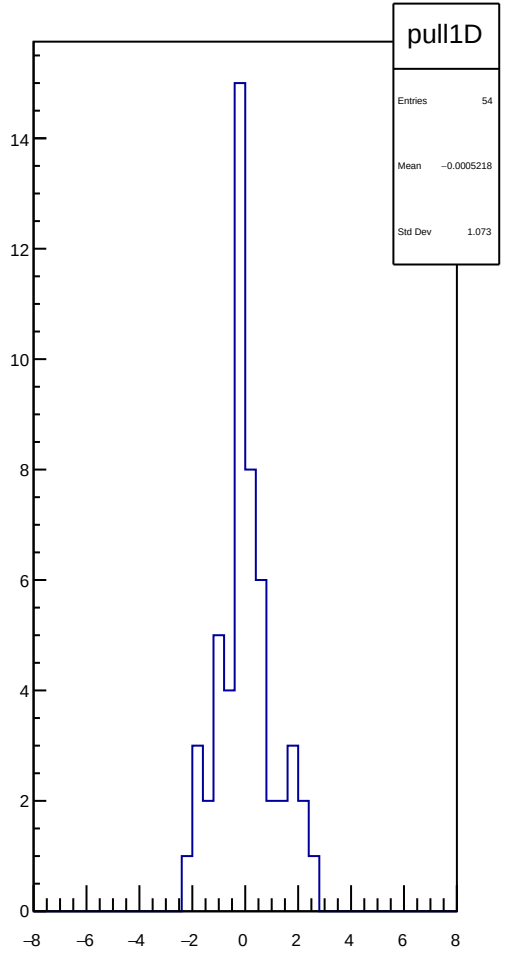

asym_atr1_eigen_dit_correction_rms vs run
χ² / ndf 1.194e+04 / 53
p0 581.9 ± 0.5759
700
650
600
550
500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

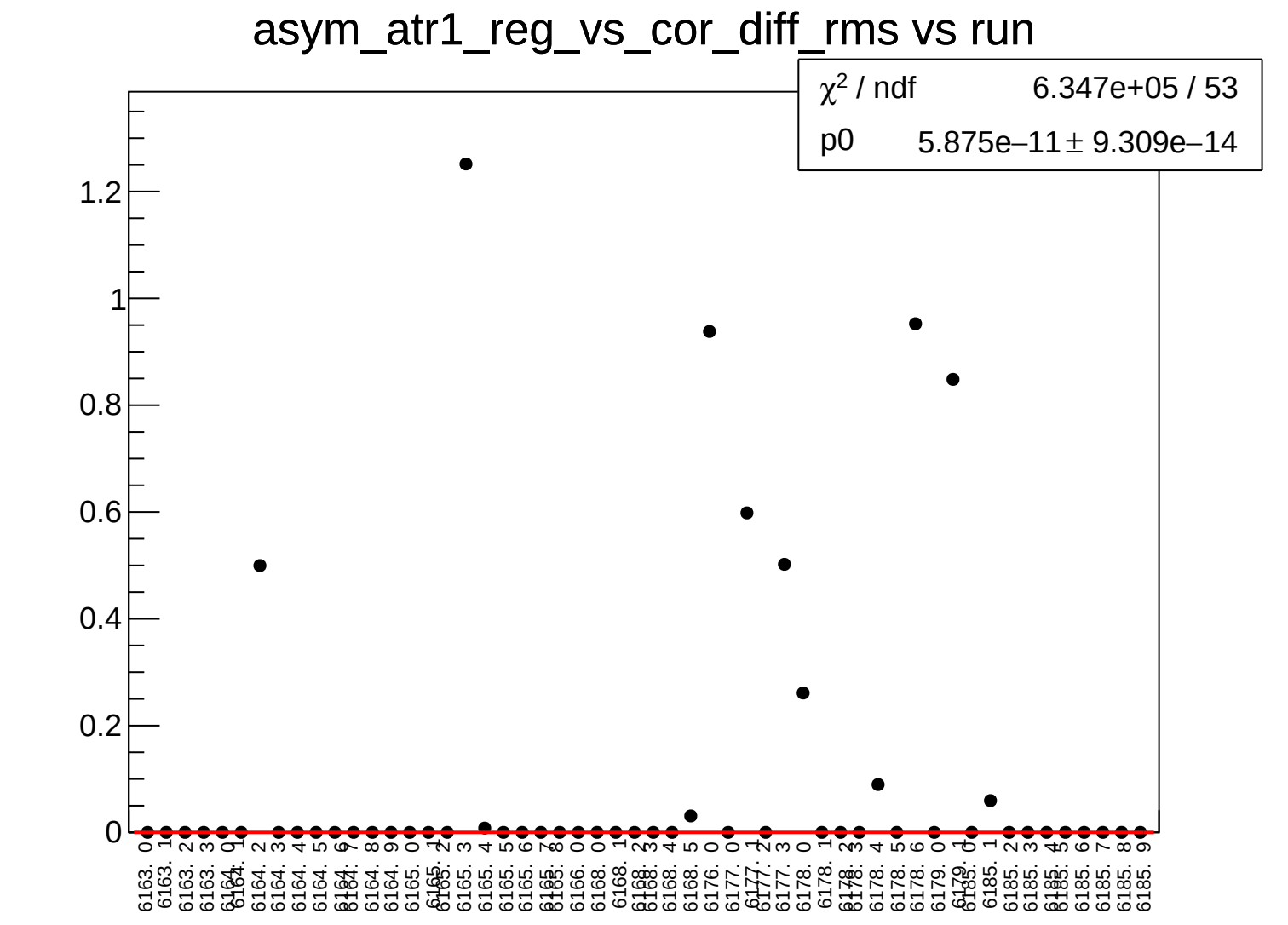

asym_atr1_mean vs run
×10^3
χ² / ndf 46.63 / 53
p0 6387 ± 4060
100
50
0
−50
−100
pull
Entries 54
Mean −37.43
Std Dev 48.73
1.5
1
0.5
0
−0.5
−1
−1.5
−2

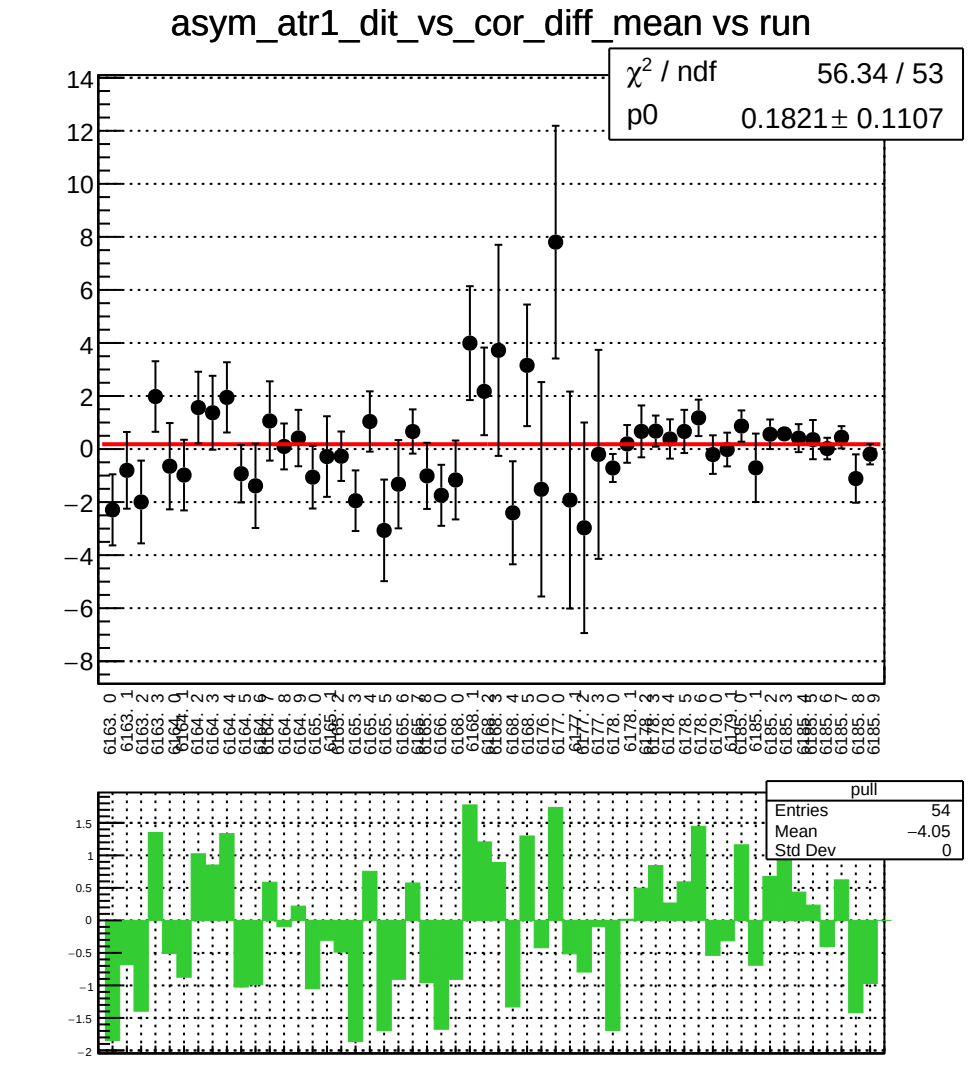

pull1D
Entries 54
Mean −0.006121
Std Dev 0.9292
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

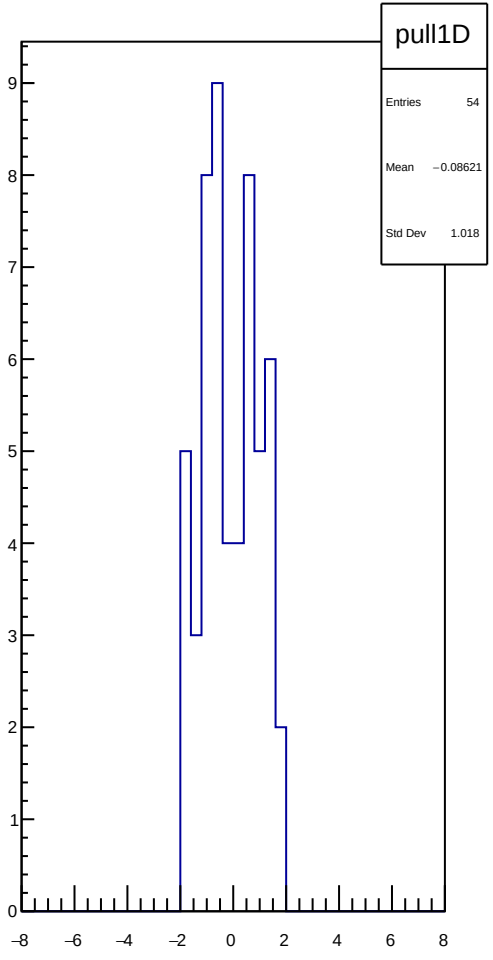

asym_atr1_rms vs run
χ² / ndf 1435 / 53
p0 2916 ± 2.871
3200
3100
3000
2900
2800
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

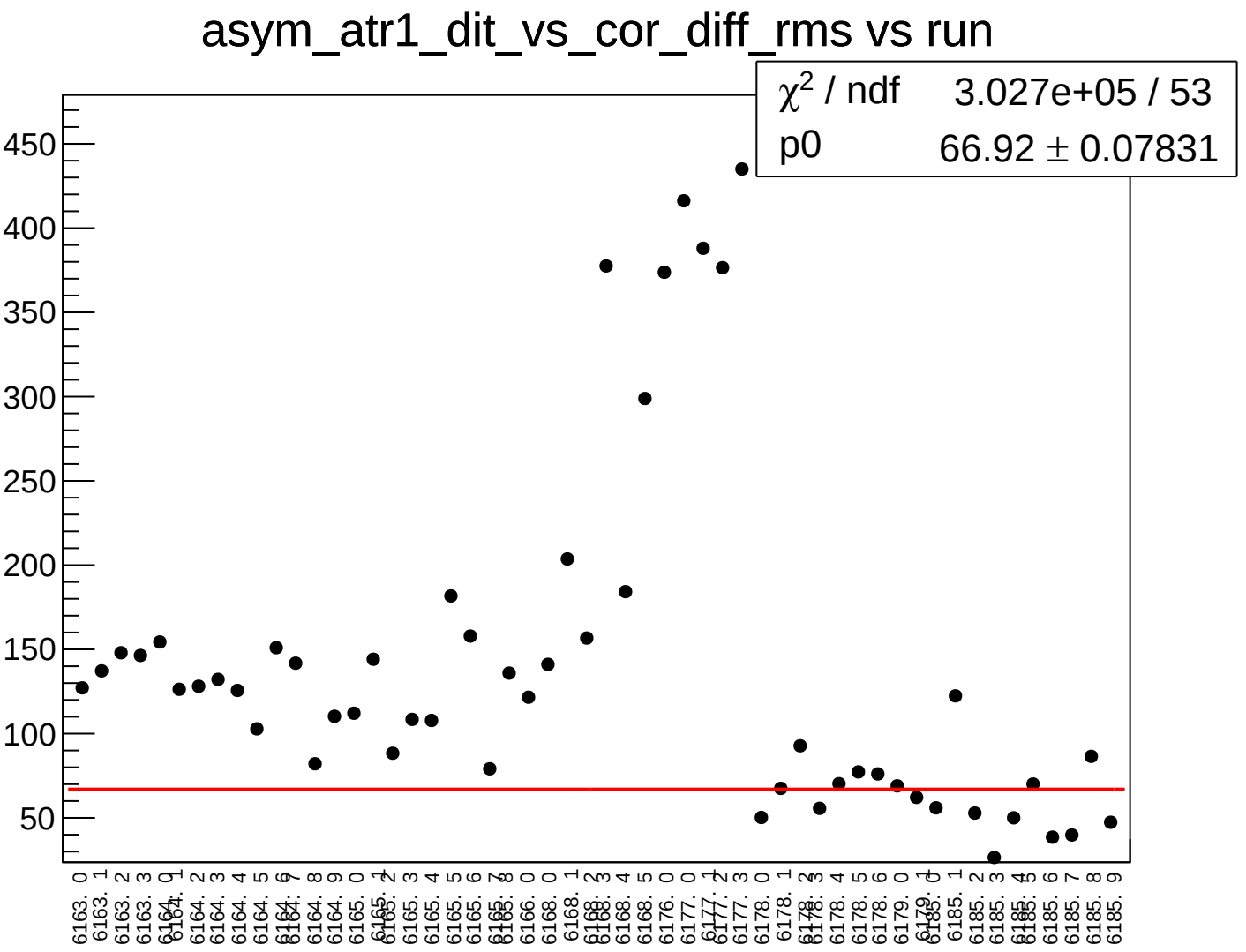

asym_atr1_reg_vs_cor_diff_mean vs run
χ² / ndf 62.16 / 53
p0 7.795e−14 ± 1.317e−13
0.02
0.01
0
−0.01
−0.02
pull
Entries 54
Mean −1999
Std Dev 0

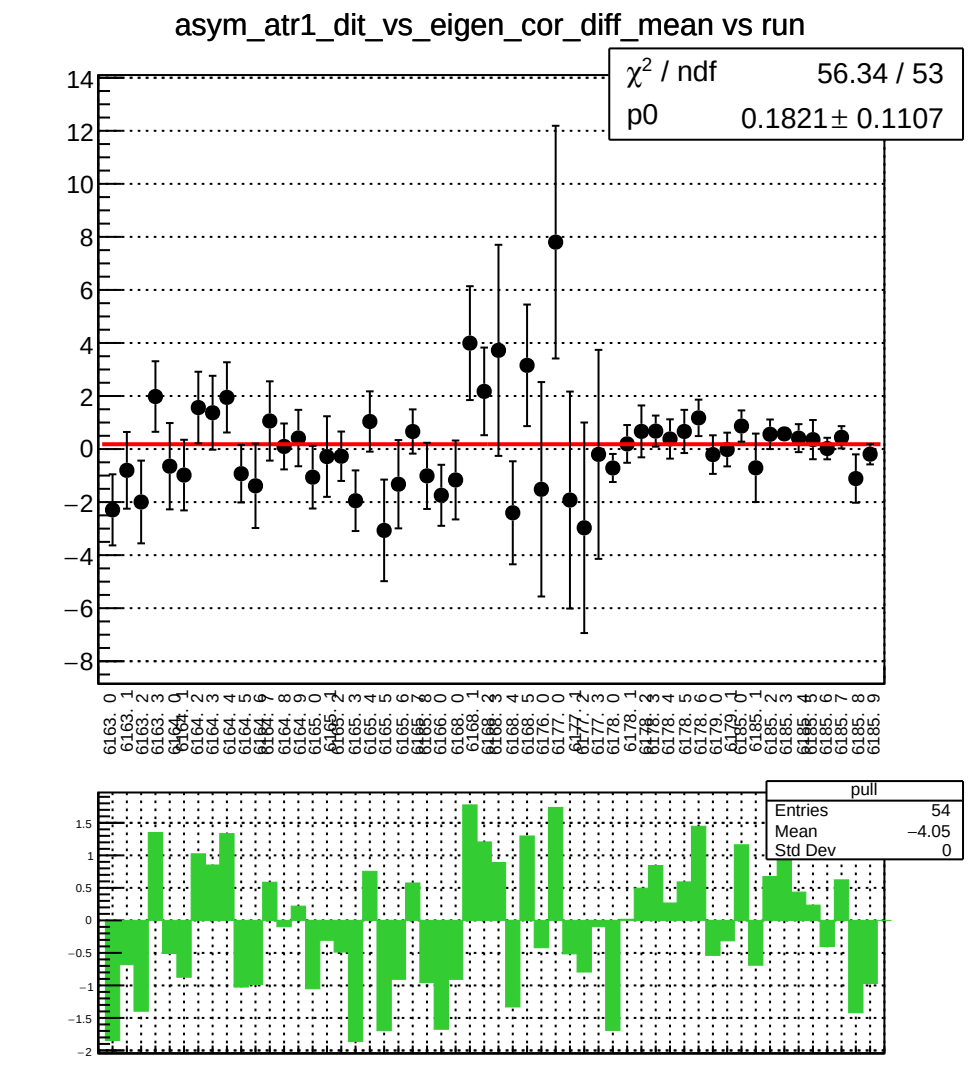

pull1D
Entries 54
Mean −0.0005218
Std Dev 1.073

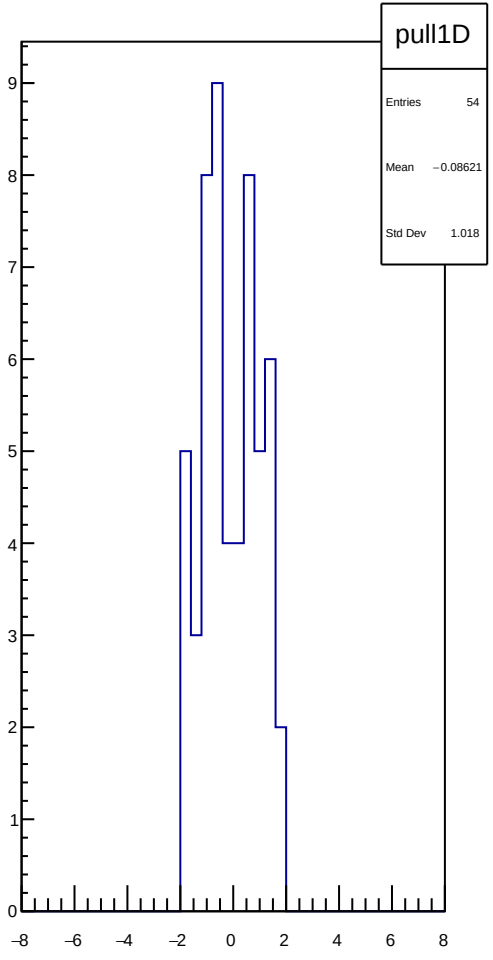

asym_atr1_reg_vs_cor_diff_rms vs run
χ² / ndf 6.347e+05 / 53
p0 5.875e−11 ± 9.309e−14
1.2
1
0.8
0.6
0.4
0.2
0
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6165. 7
6165. 8
6166. 0
6168. 0
6168. 1
6168. 2
6168. 3
6168. 4
6168. 5
6176. 0
6177. 0
6177. 1
6177. 2
6177. 3
6178. 0
6178. 1
6178. 2
6178. 3
6178. 4
6178. 5
6178. 6
6179. 0
6179. 1
6185. 0
6185. 1
6185. 2
6185. 3
6185. 4
6185. 5
6185. 6
6185. 7
6185. 8
6185. 9

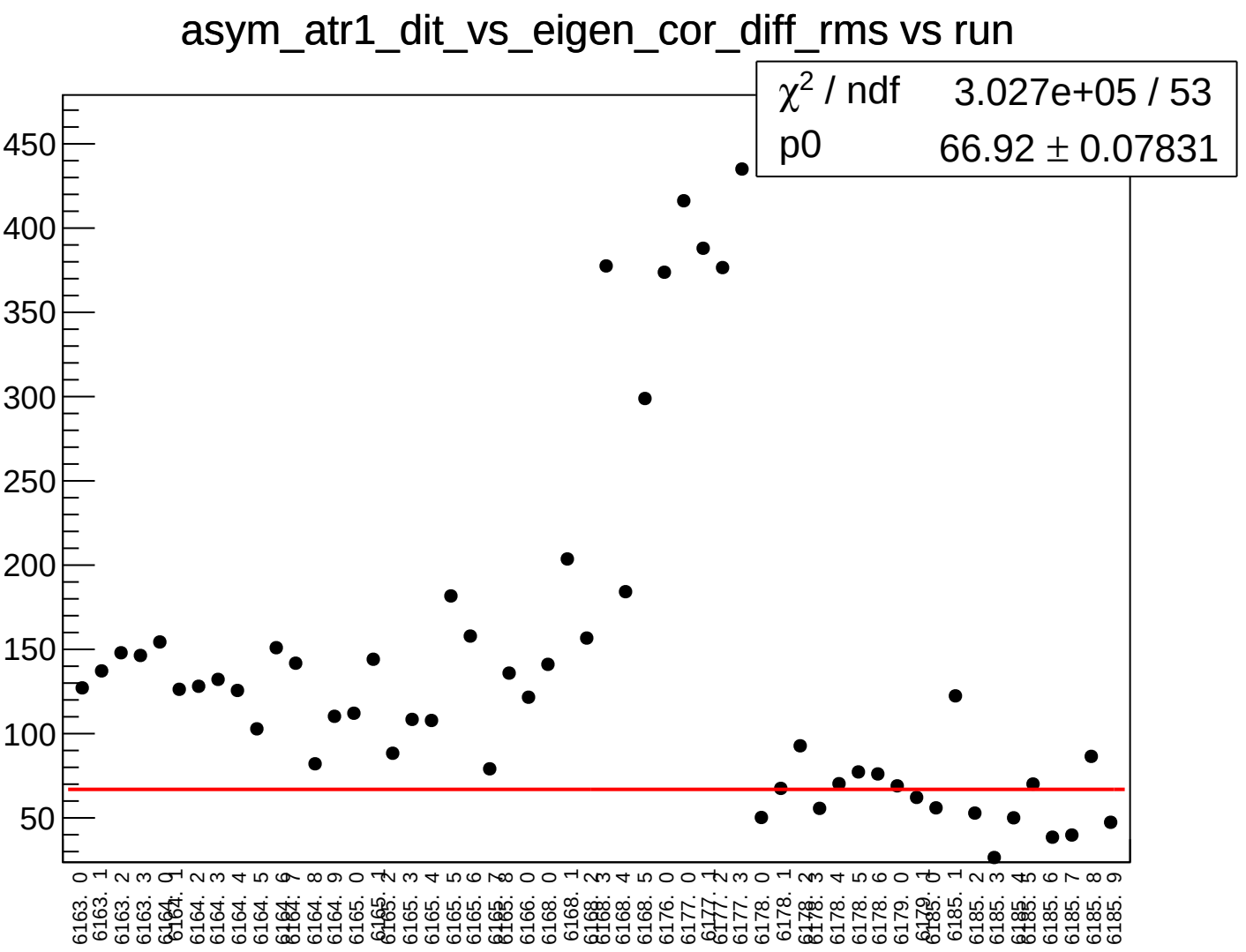

asym_atr1_dit_vs_cor_diff_mean vs run
χ² / ndf 56.34 / 53
p0 0.1821 ± 0.1107
pull
Entries 54
Mean −4.05
Std Dev 0

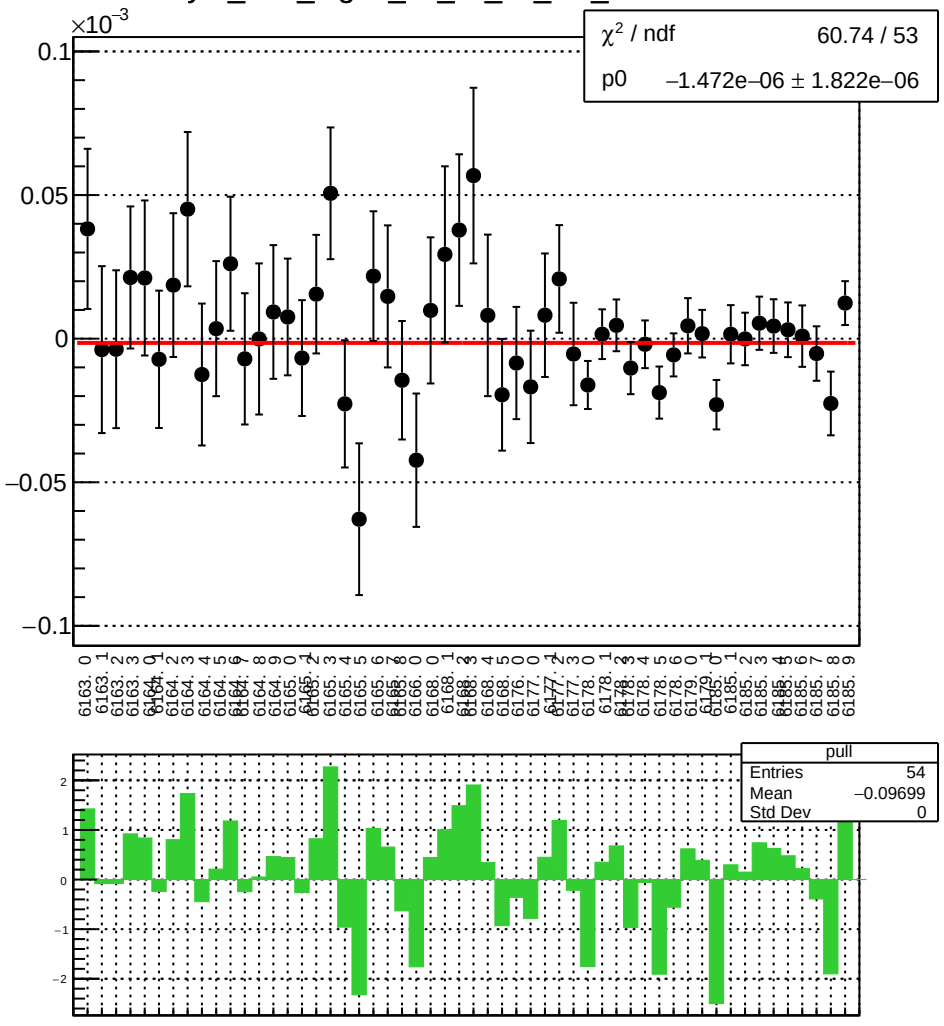

pull1D
Entries 54
Mean −0.08621
Std Dev 1.018

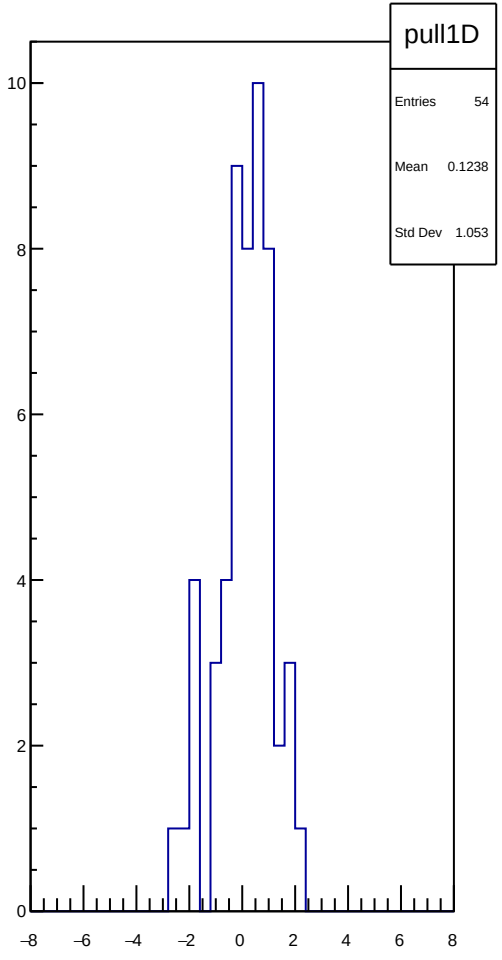

asym_atr1_dit_vs_cor_diff_rms vs run
χ^2 / ndf 3.027e+05 / 53
p0 66.92 ± 0.07831
450
400
350
300
250
200
150
100
50
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

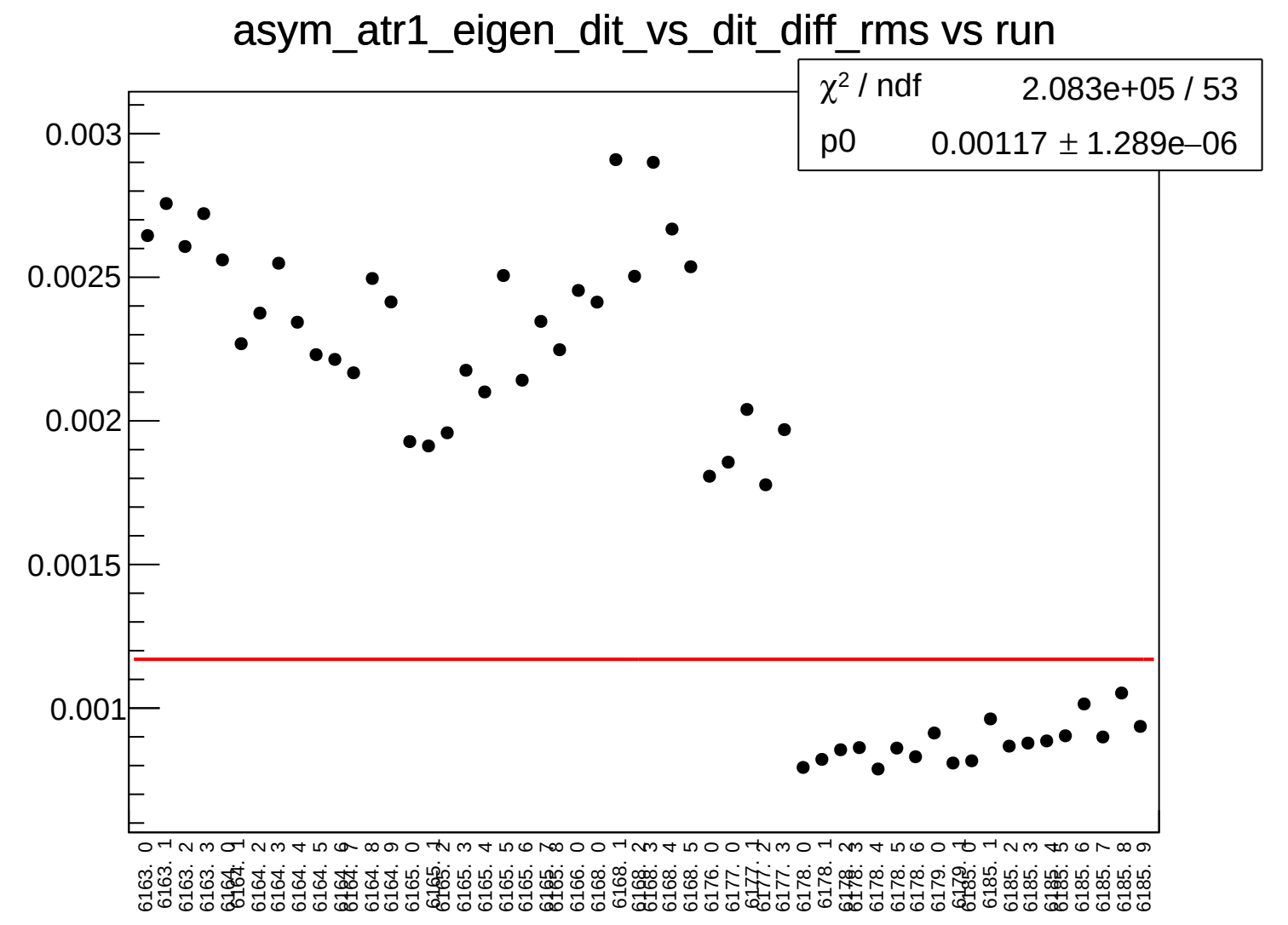

asym_atr1_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 56.34 / 53
p0 0.1821 ± 0.1107
pull
Entries 54
Mean −4.05
Std Dev 0

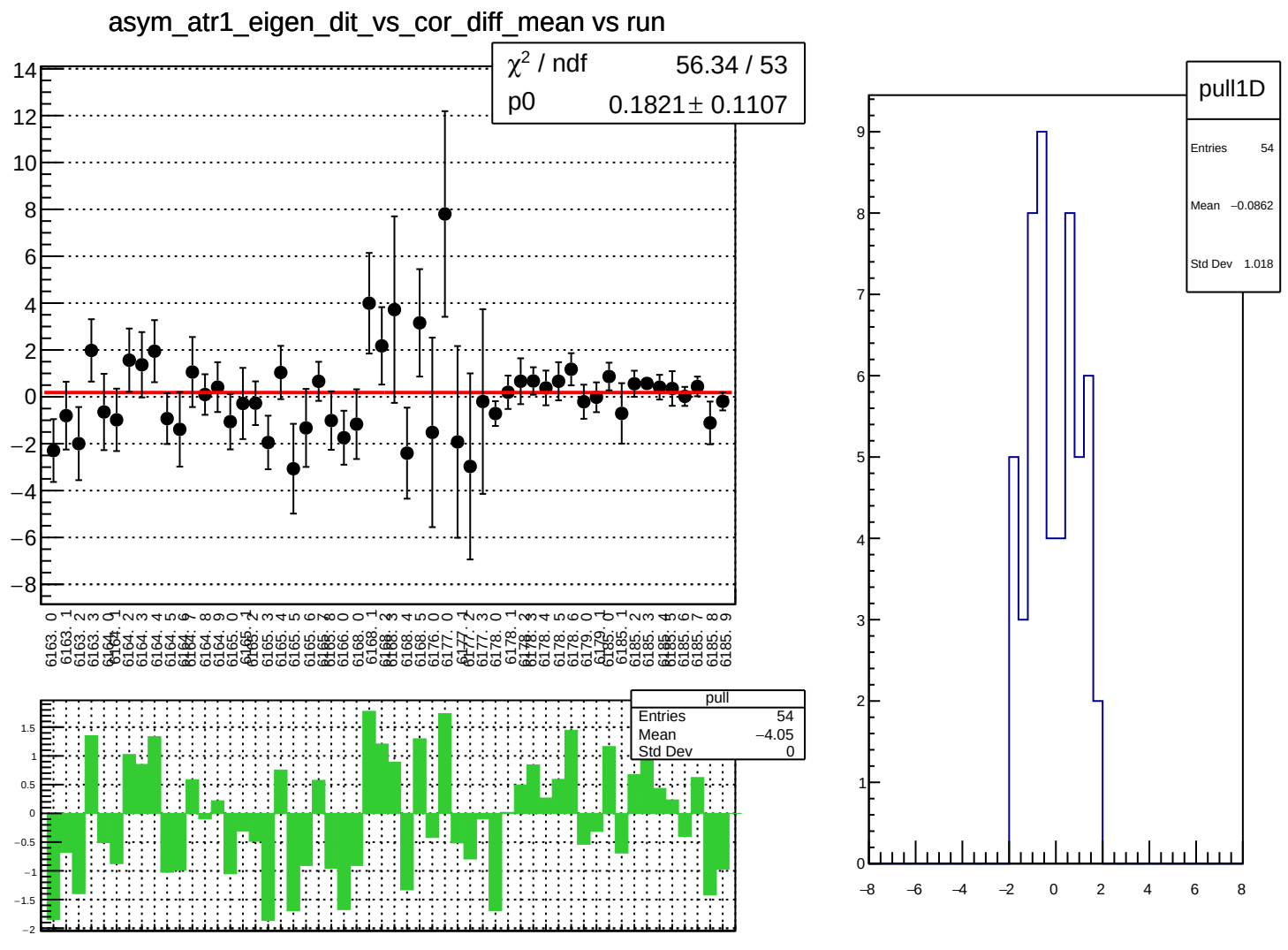

pull1D
Entries 54
Mean −0.08621
Std Dev 1.018

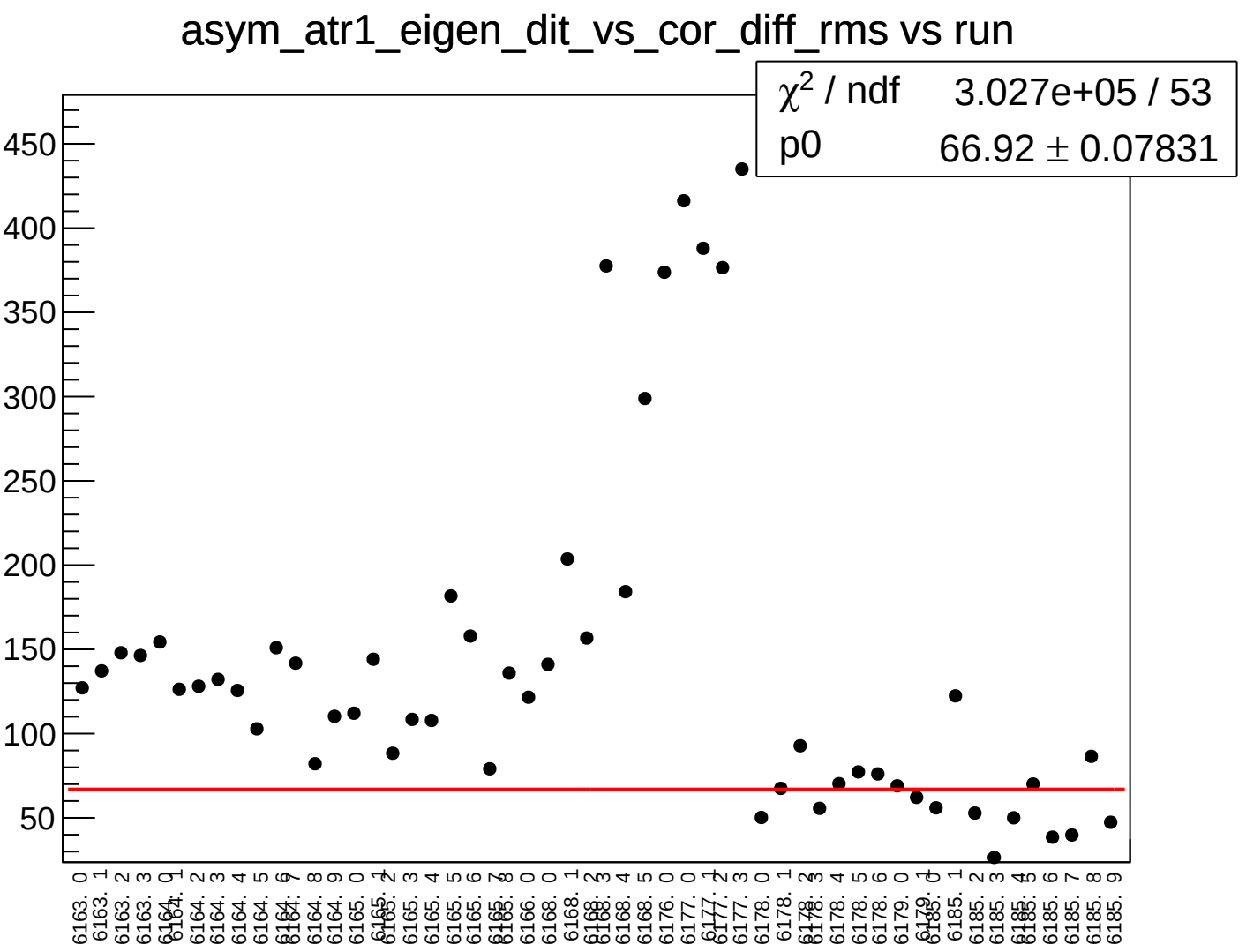

asym_atr1_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.027e+05 / 53
p0 66.92 ± 0.07831
450
400
350
300
250
200
150
100
50
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

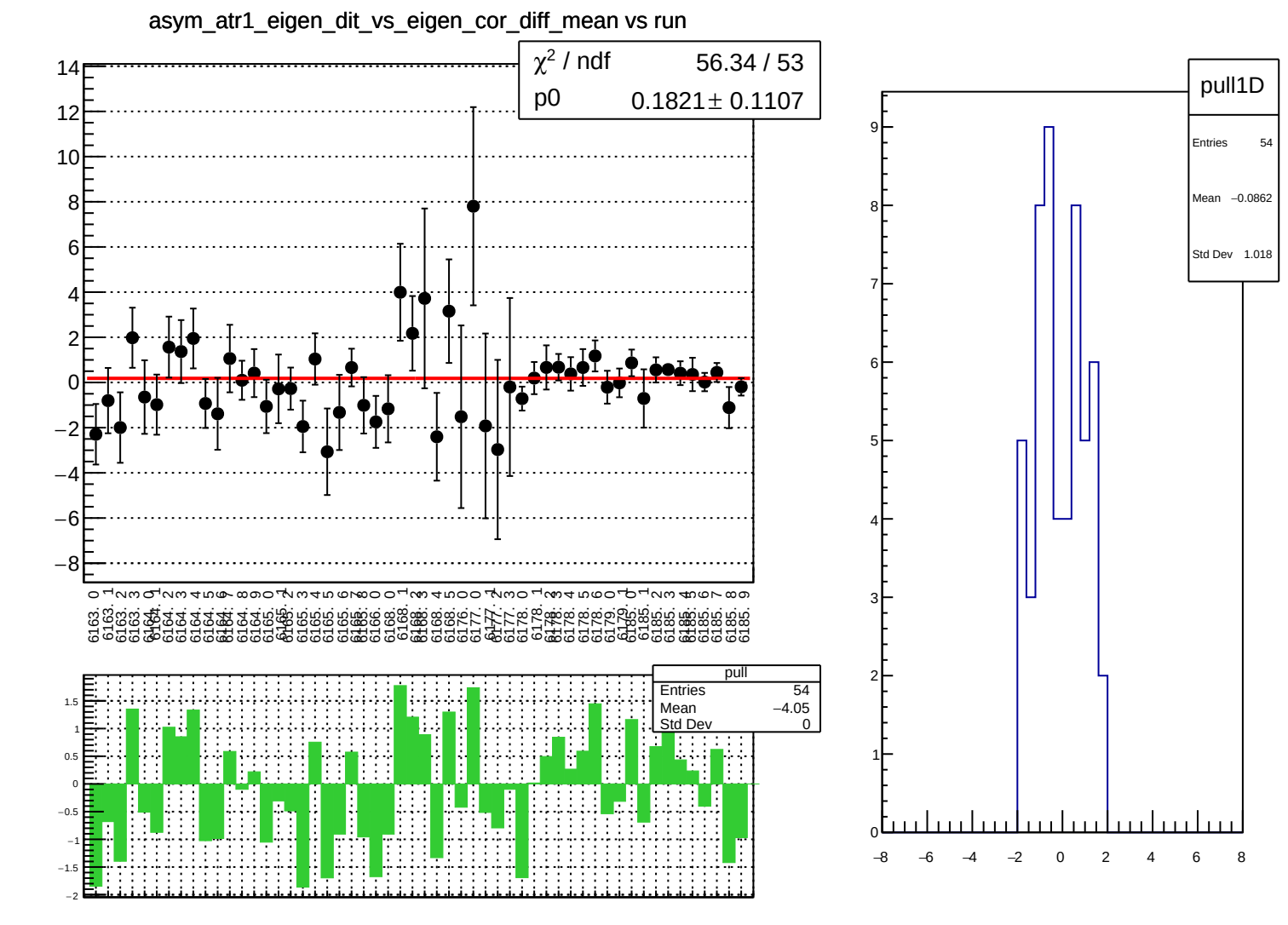

asym_atr1_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 60.74 / 53
p0 −1.472e−06 ± 1.822e−06
pull
Entries 54
Mean −0.09699
Std Dev 0

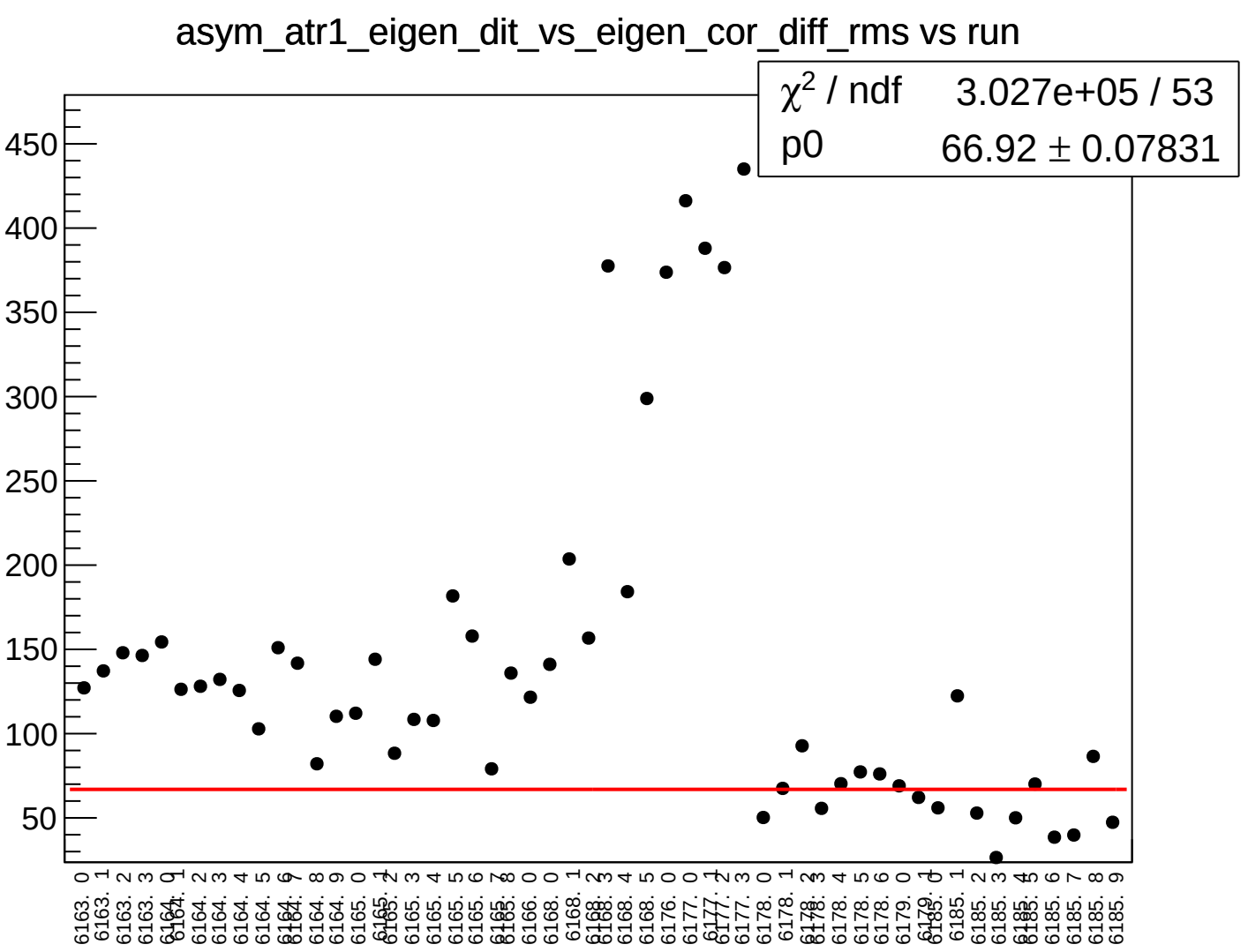

pull1D
Entries 54
Mean 0.1238
Std Dev 1.053

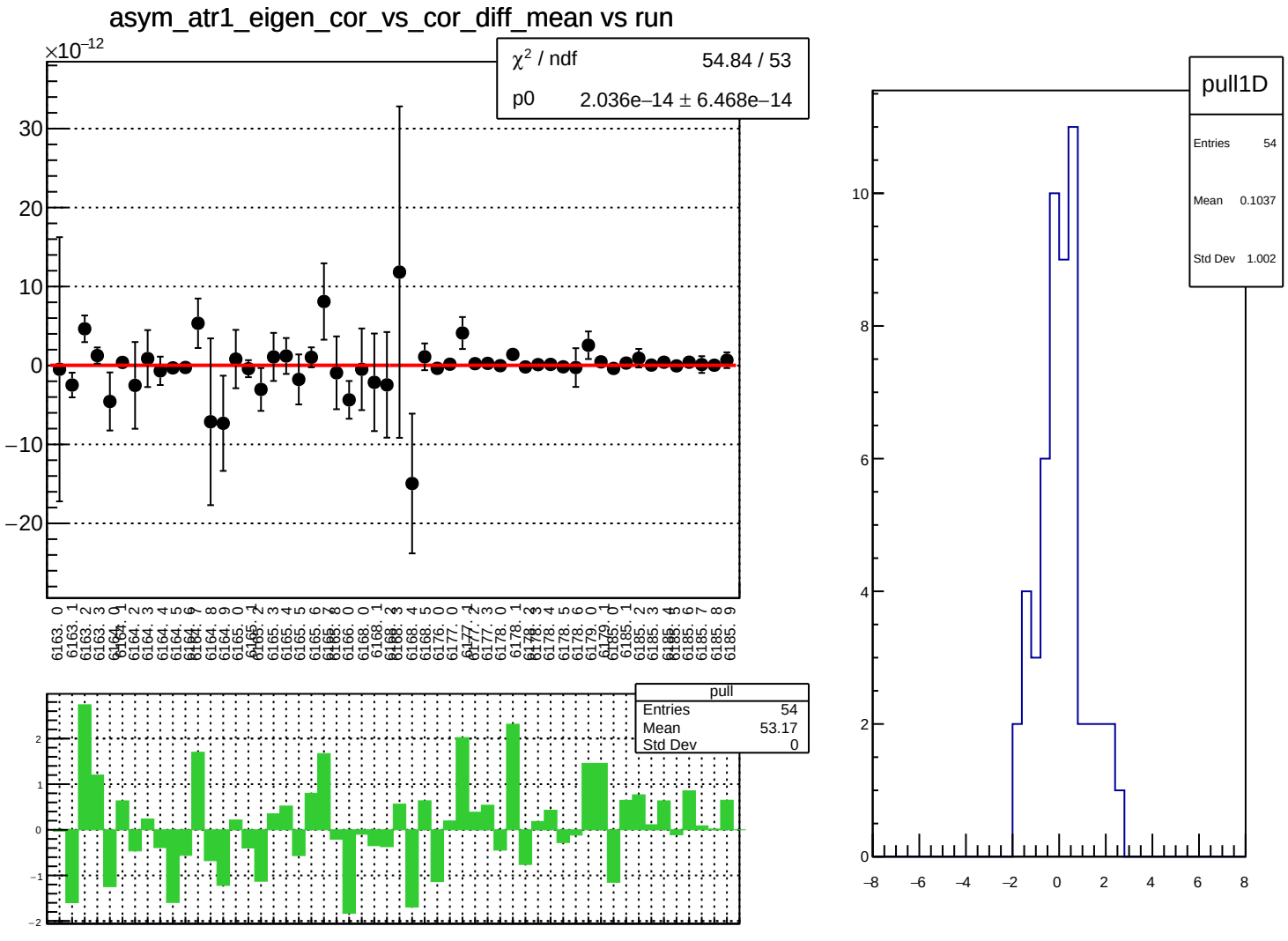

asym_atr1_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.083e+05 / 53
p0 0.00117 ± 1.289e–06
0.003
0.0025
0.002
0.0015
0.001
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

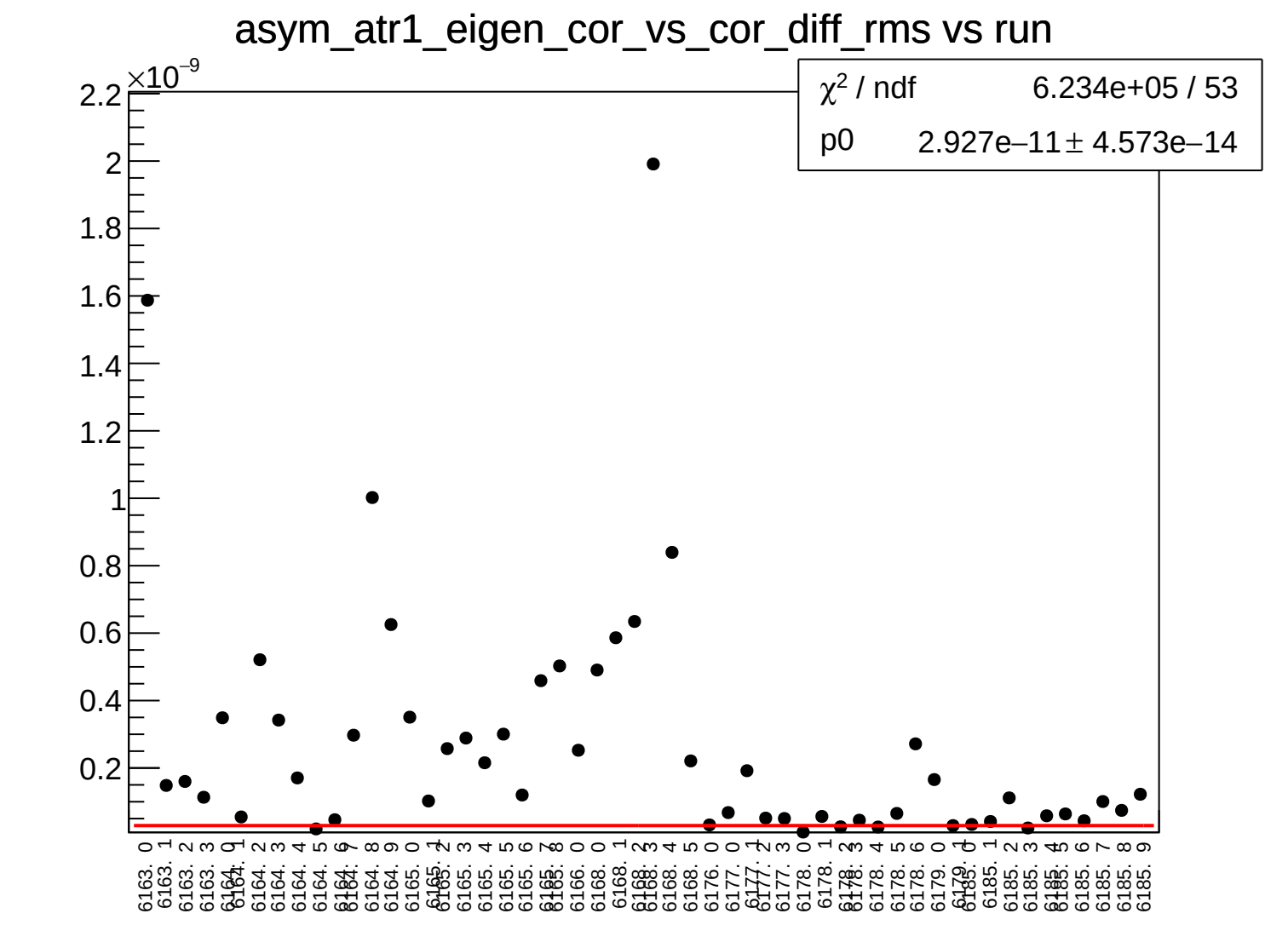

asym_atr1_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 56.34 / 53
p0 0.1821 ± 0.1107
pull
Entries 54
Mean −4.05
Std Dev 0
pull1D
Entries 54
Mean −0.0862
Std Dev 1.018

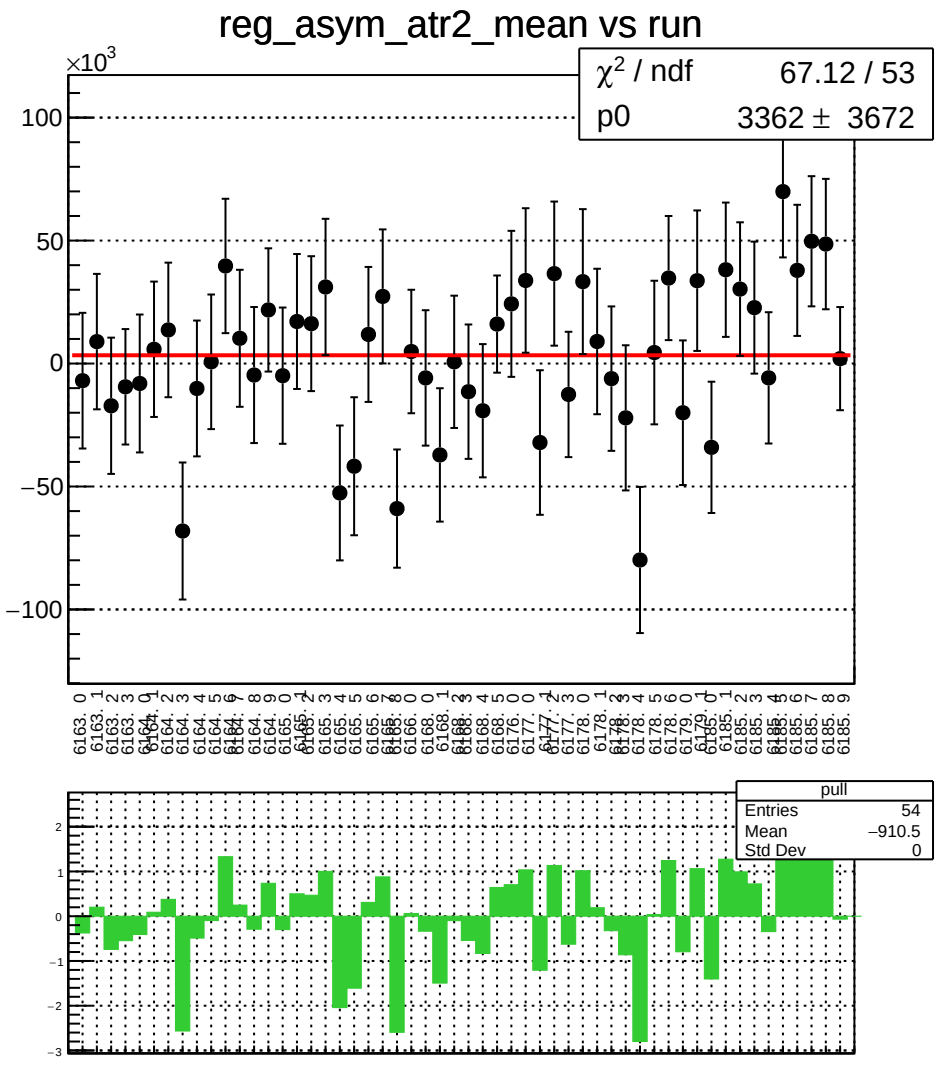

asym_atr1_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.027e+05 / 53
p0 66.92 ± 0.07831
450
400
350
300
250
200
150
100
50
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

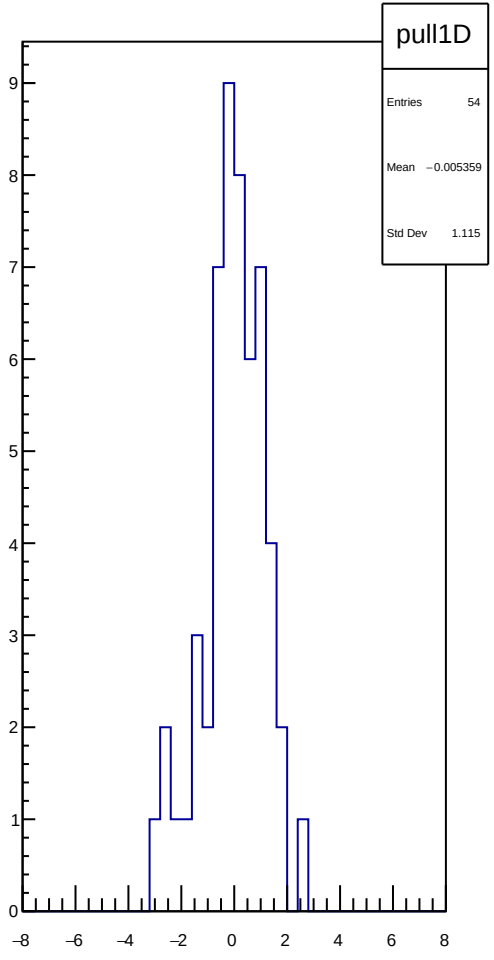

asym_atr1_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 56.34 / 53
p0 0.1821 ± 0.1107
pull
Entries 54
Mean −4.05
Std Dev 0
pull1D
Entries 54
Mean −0.0862
Std Dev 1.018

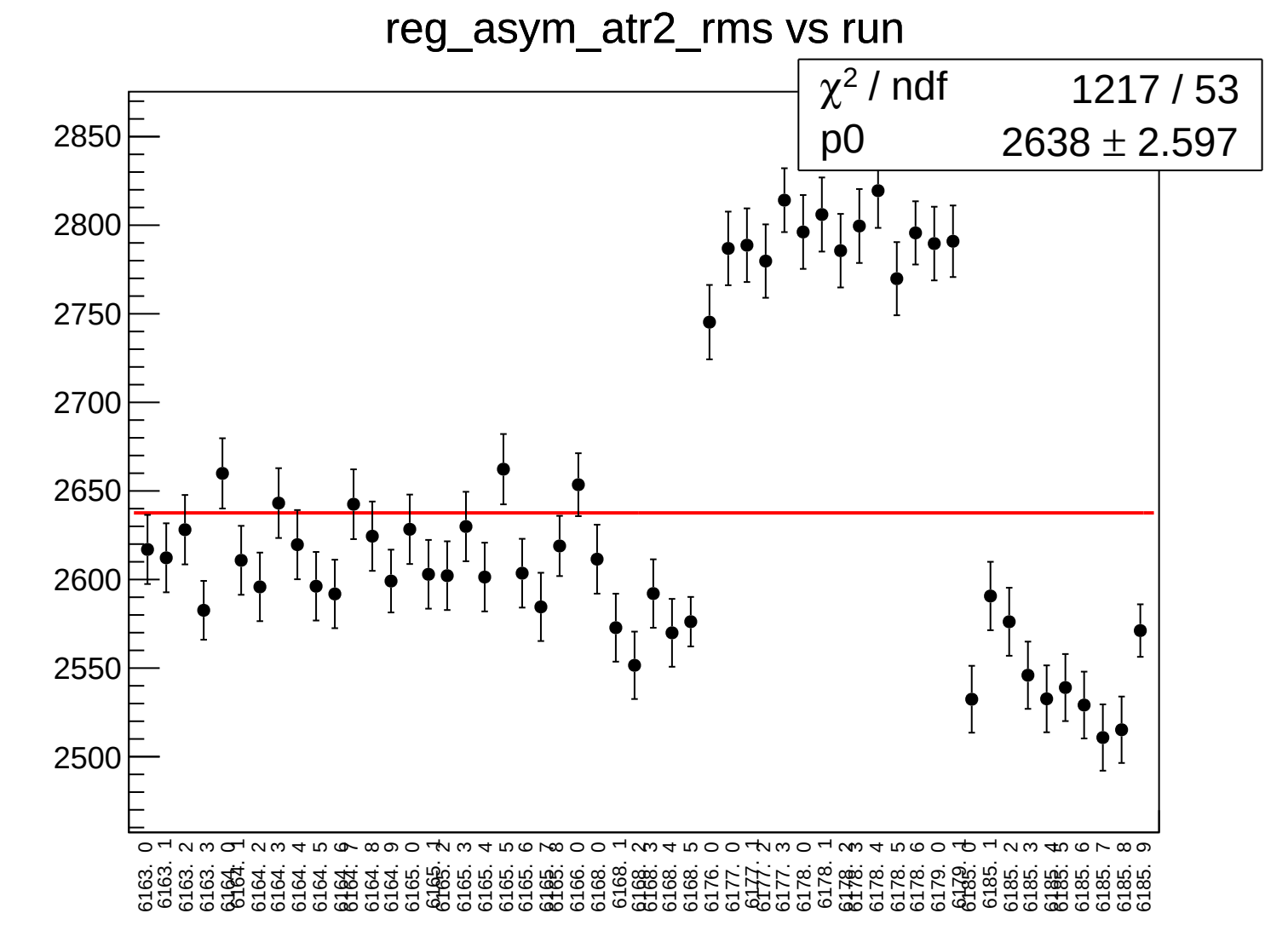

asym_atr1_eigen_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 3.027e+05 / 53
p0 66.92 ± 0.07831
450
400
350
300
250
200
150
100
50
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

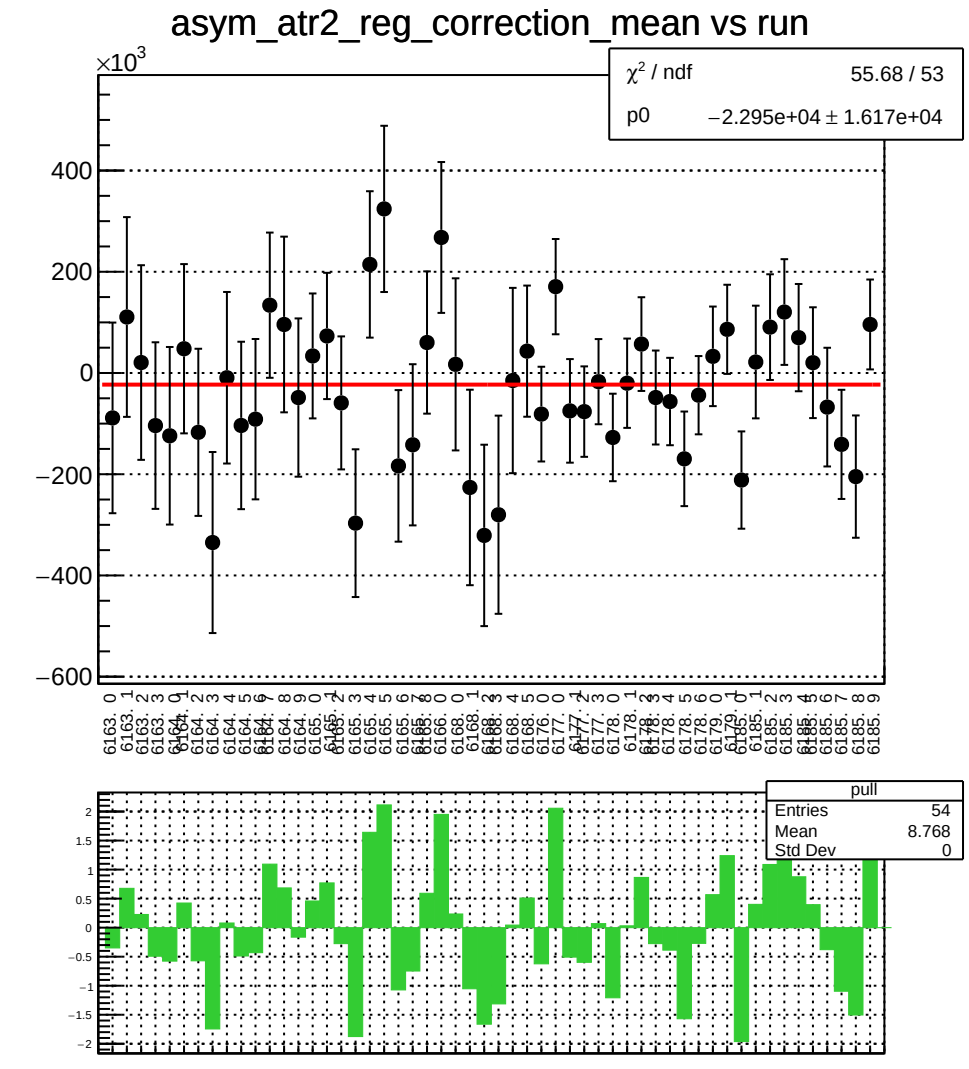

asym_atr1_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 54.84 / 53
p0 2.036e−14 ± 6.468e−14
pull
Entries 54
Mean 53.17
Std Dev 0
pull1D
Entries 54
Mean 0.1037
Std Dev 1.002

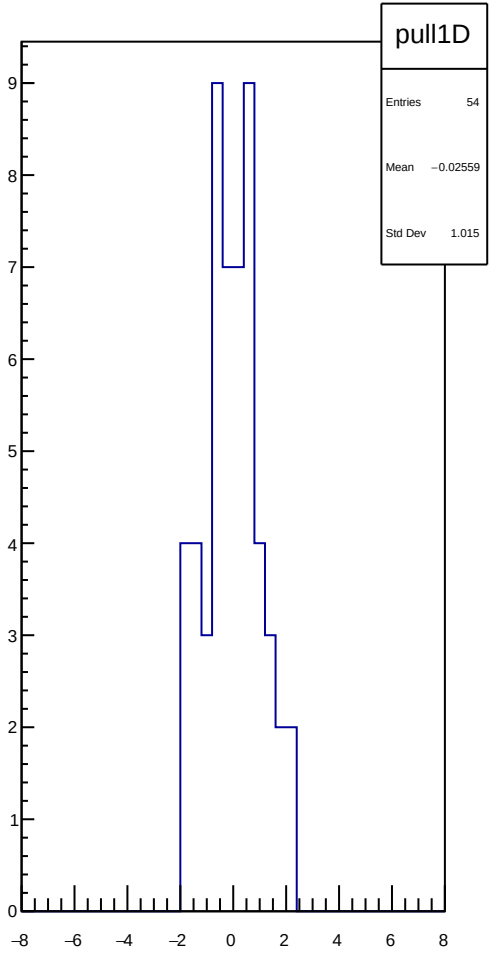

asym_atr1_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.234e+05 / 53
p0 2.927e−11 ± 4.573e−14
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

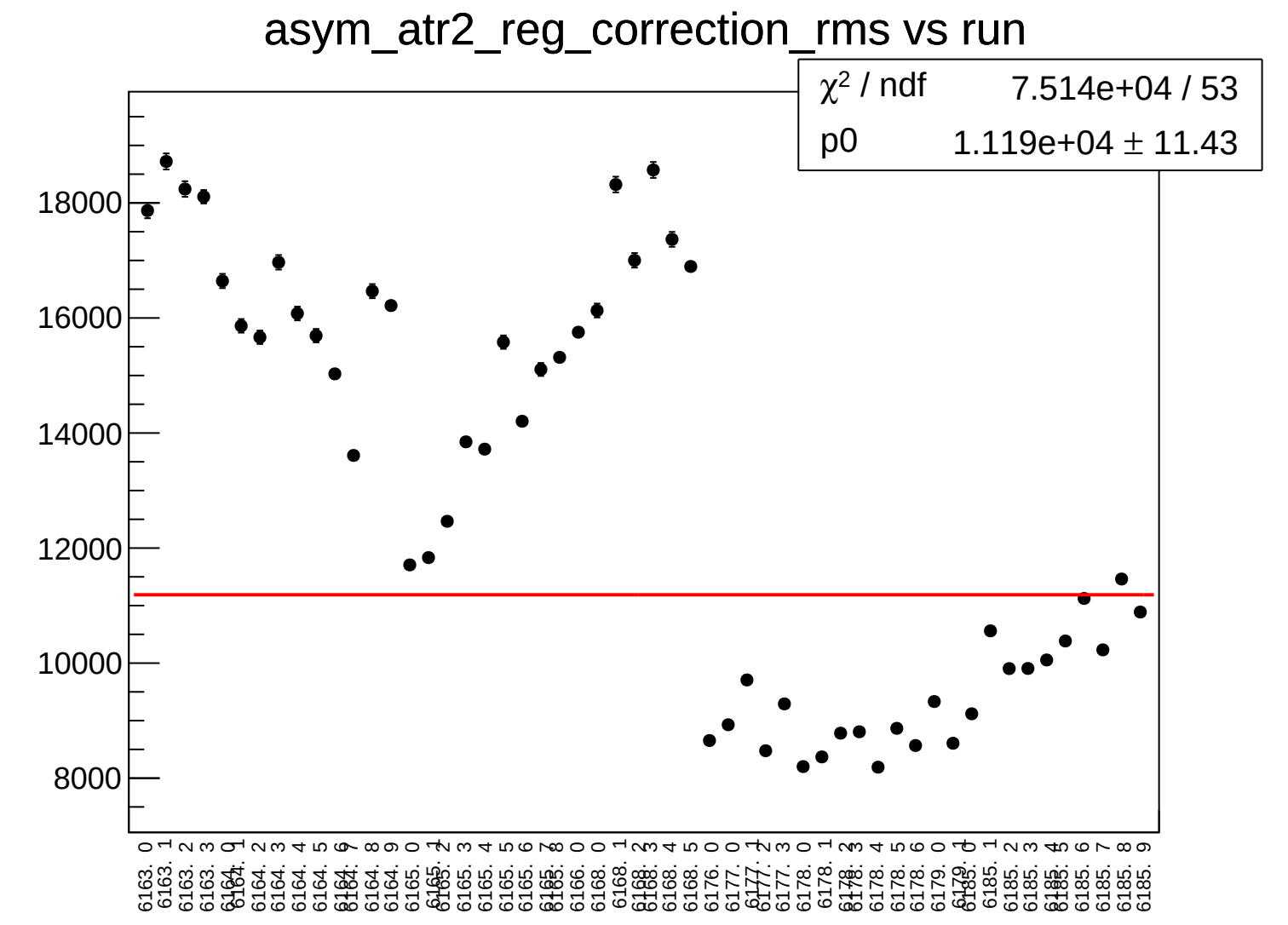

reg_asym_atr2_mean vs run
×10^3
χ² / ndf 67.12 / 53
p0 3362 ± 3672
100
50
0
−50
−100
pull
Entries 54
Mean −910.5
Std Dev 0
2
1
0
−1
−2
−3

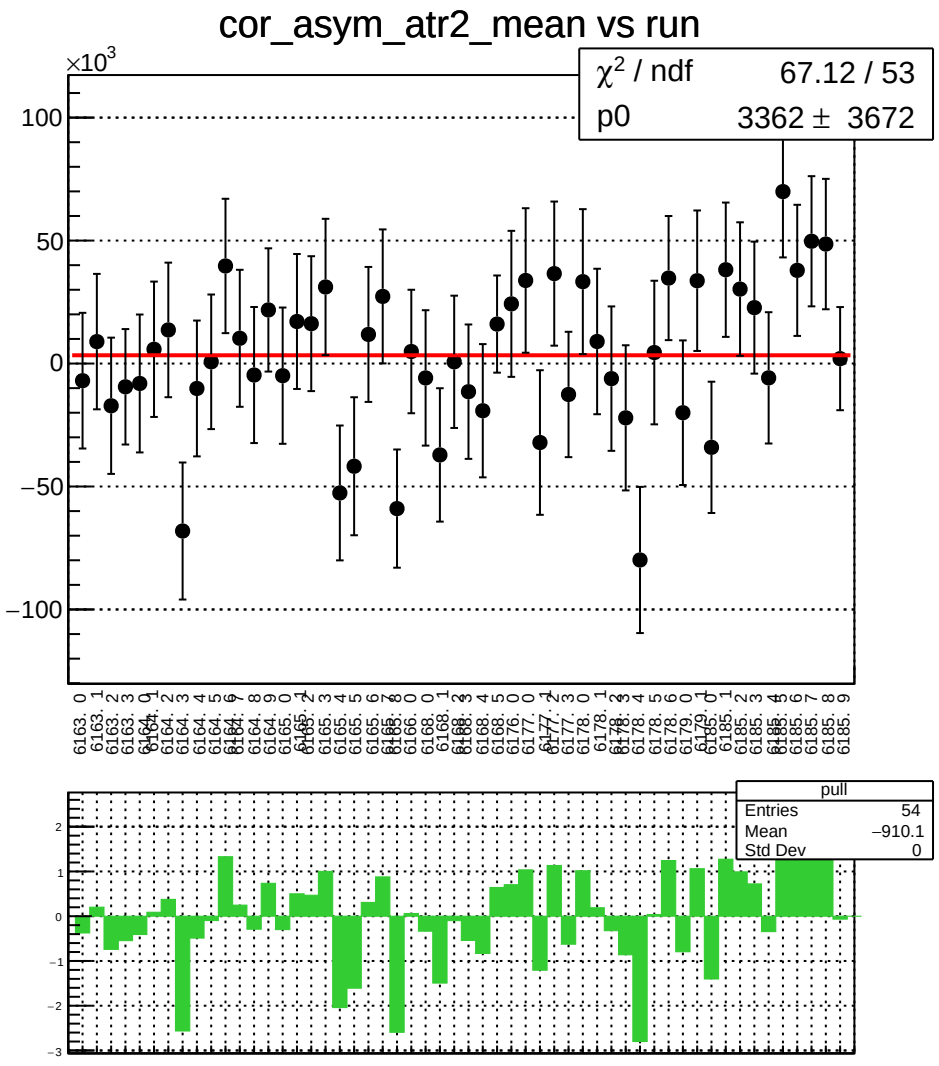

pull1D
Entries 54
Mean −0.005359
Std Dev 1.115
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

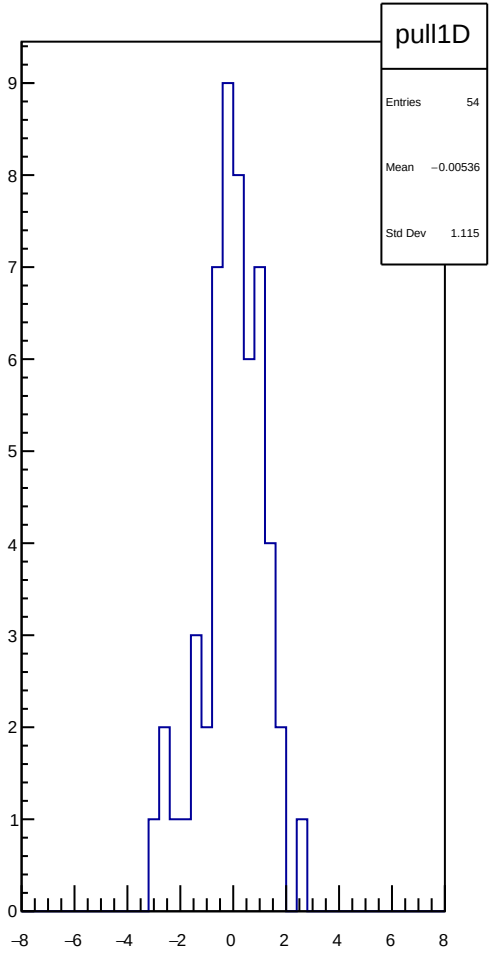

reg_asym_atr2_rms vs run
χ^2 / ndf 1217 / 53
p0 2638 ± 2.597
2850
2800
2750
2700
2650
2600
2550
2500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


asym_atr2_reg_correction_mean vs run
×10^3
χ² / ndf 55.68 / 53
p0 −2.295e+04 ± 1.617e+04
400
200
0
−200
−400
−600
pull
Entries 54
Mean 8.768
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 54
Mean −0.02559
Std Dev 1.015
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atr2_reg_correction_rms vs run
χ² / ndf 7.514e+04 / 53
p0 1.119e+04 ± 11.43
18000
16000
14000
12000
10000
8000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


cor_asym_atr2_mean vs run
×10^3
χ² / ndf 67.12 / 53
p0 3362 ± 3672
100
50
0
−50
−100
pull
Entries 54
Mean −910.1
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 54
Mean −0.00536
Std Dev 1.115
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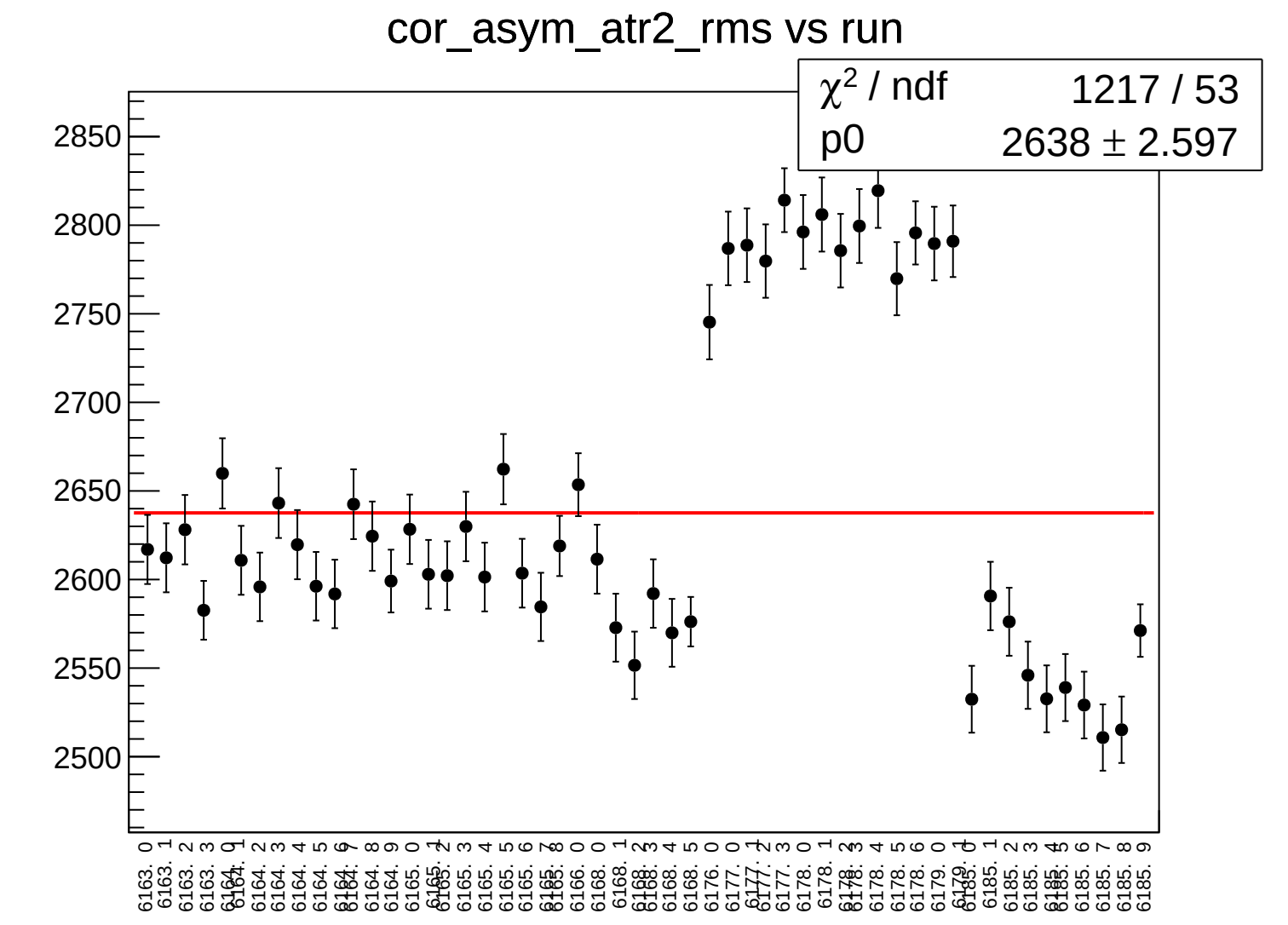
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_atr2_rms vs run
χ^2 / ndf 1217 / 53
p0 2638 ± 2.597
2850
2800
2750
2700
2650
2600
2550
2500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
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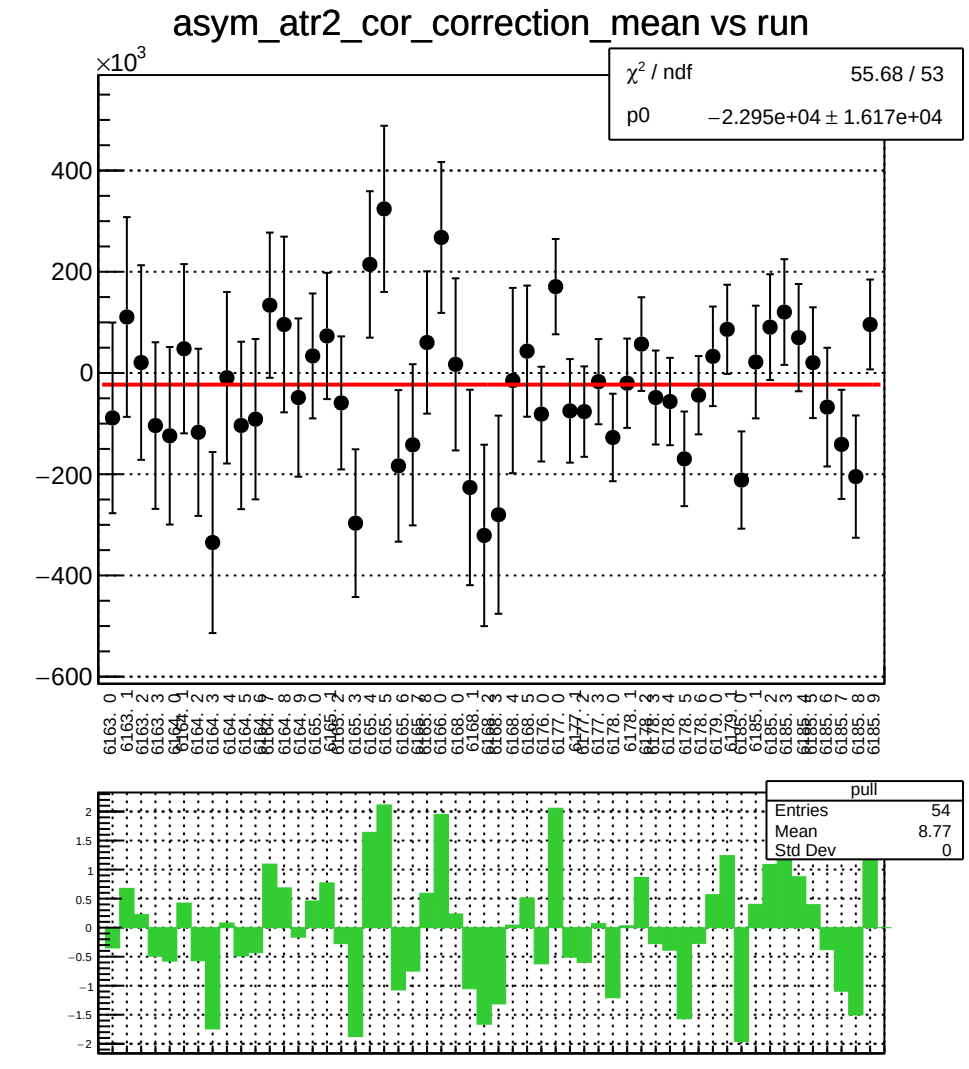
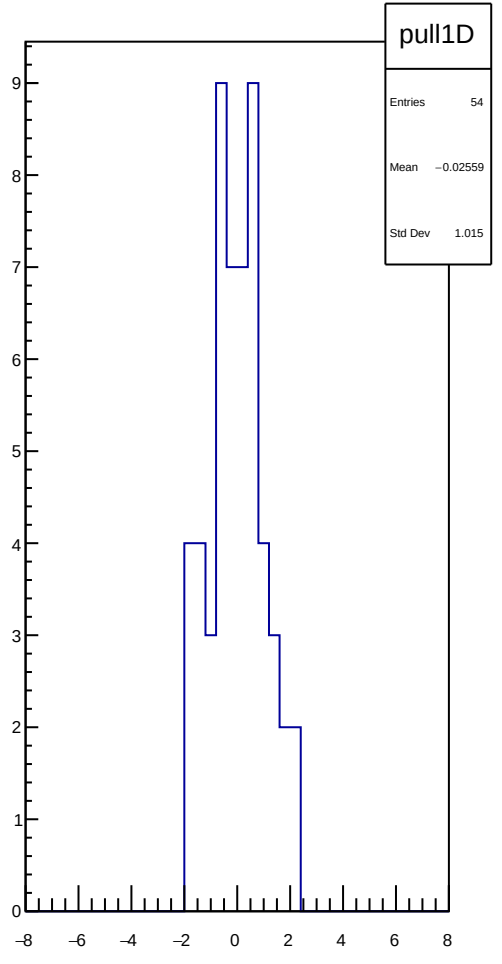
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


asym_atr2_cor_correction_mean vs run
×10^3
χ² / ndf 55.68 / 53
p0 −2.295e+04 ± 1.617e+04
400
200
0
−200
−400
−600
pull
Entries 54
Mean 8.77
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 54
Mean −0.02559
Std Dev 1.015
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8
7
6
5
4
3
2
1
0
−8
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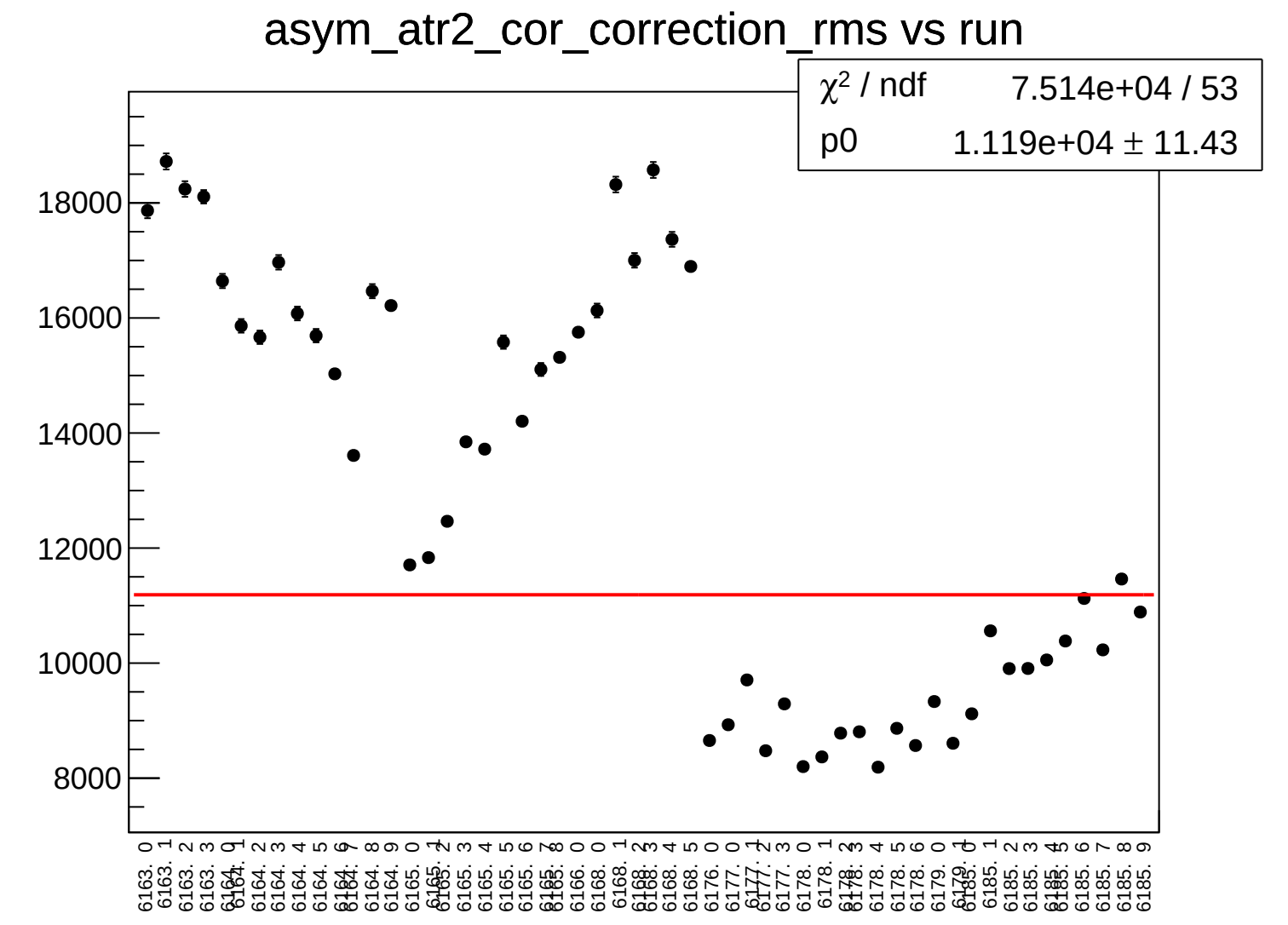
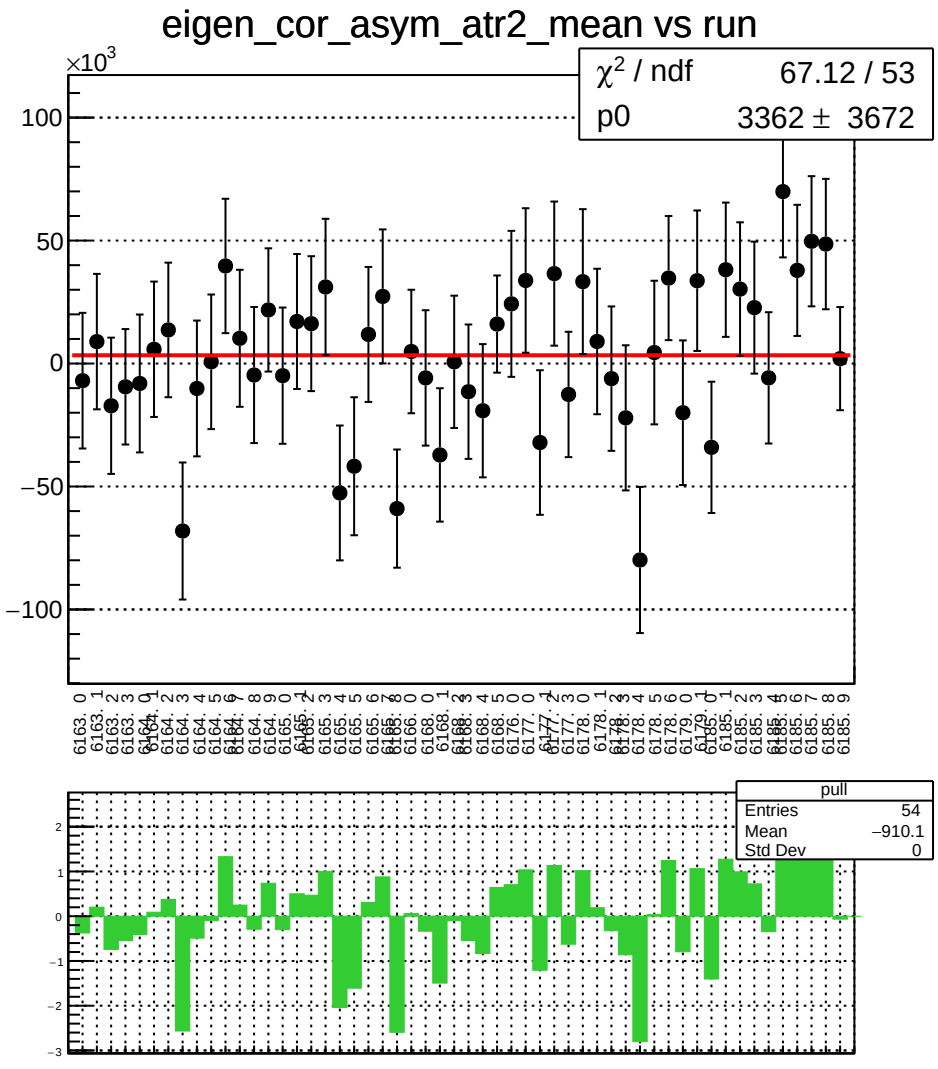
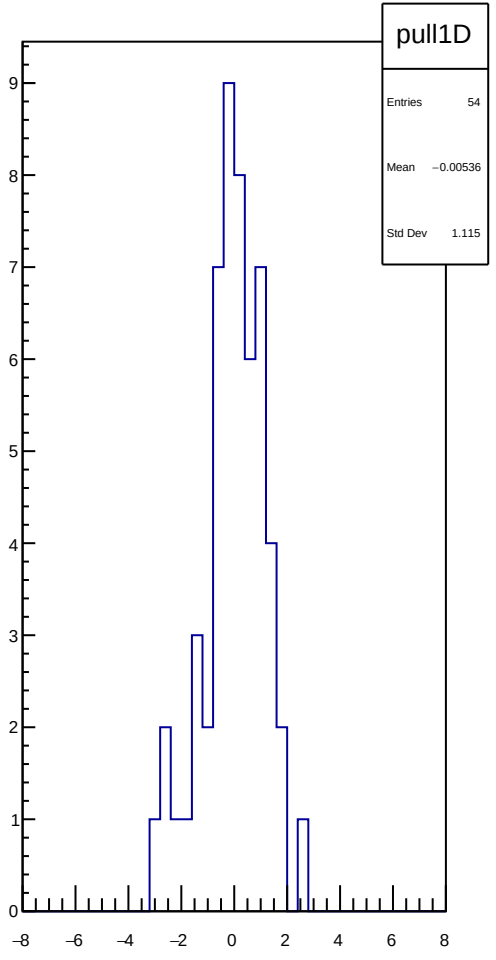
−4
−2
0
2
4
6
8


asym_atr2_cor_correction_rms vs run
χ² / ndf 7.514e+04 / 53
p0 1.119e+04 ± 11.43
18000
16000
14000
12000
10000
8000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


eigen_cor_asym_atr2_mean vs run
×10^3
χ² / ndf 67.12 / 53
p0 3362 ± 3672
100
50
0
−50
−100
pull
Entries 54
Mean −910.1
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 54
Mean −0.00536
Std Dev 1.115
9
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5
4
3
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1
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−8
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−4
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6
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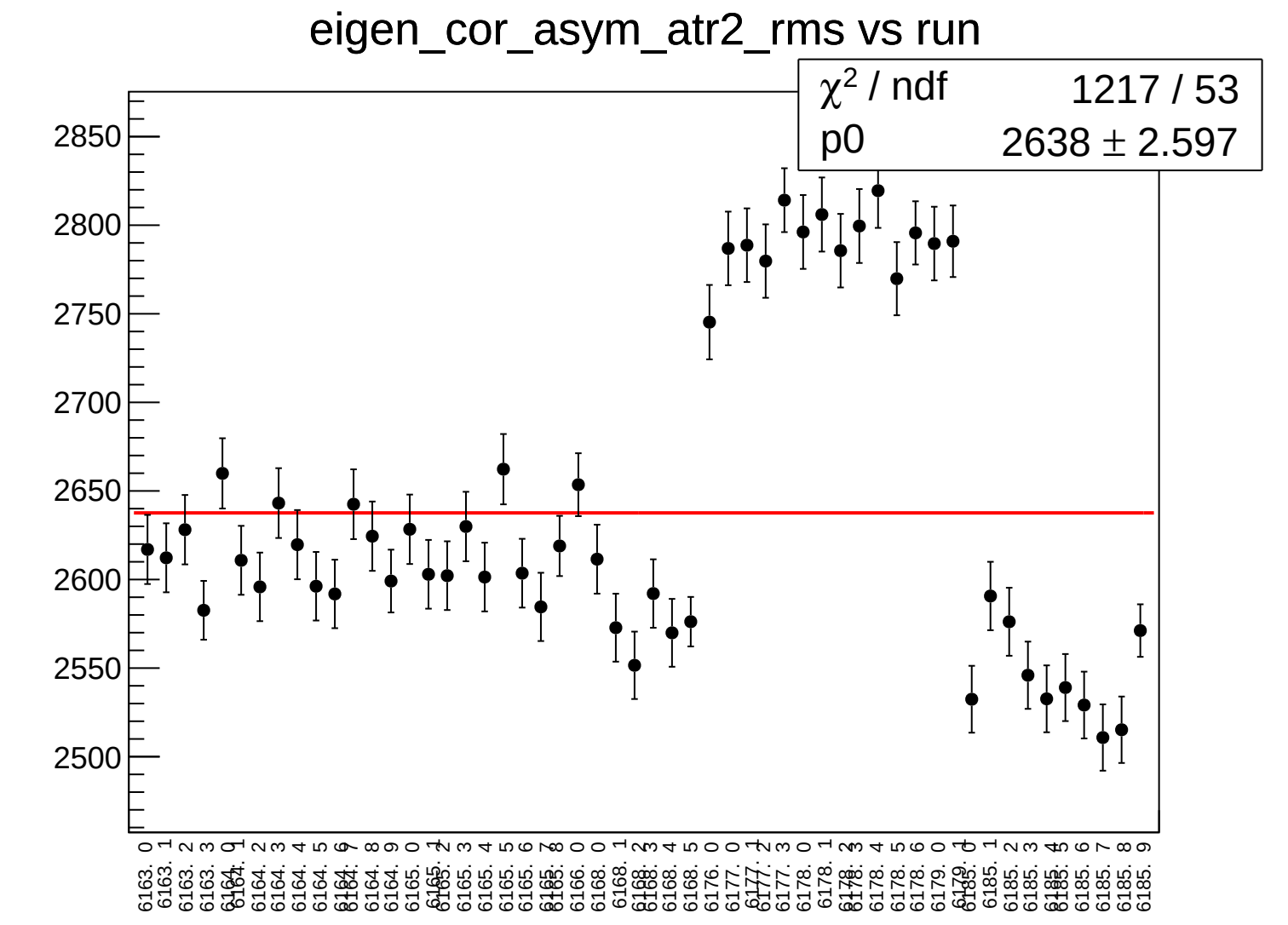
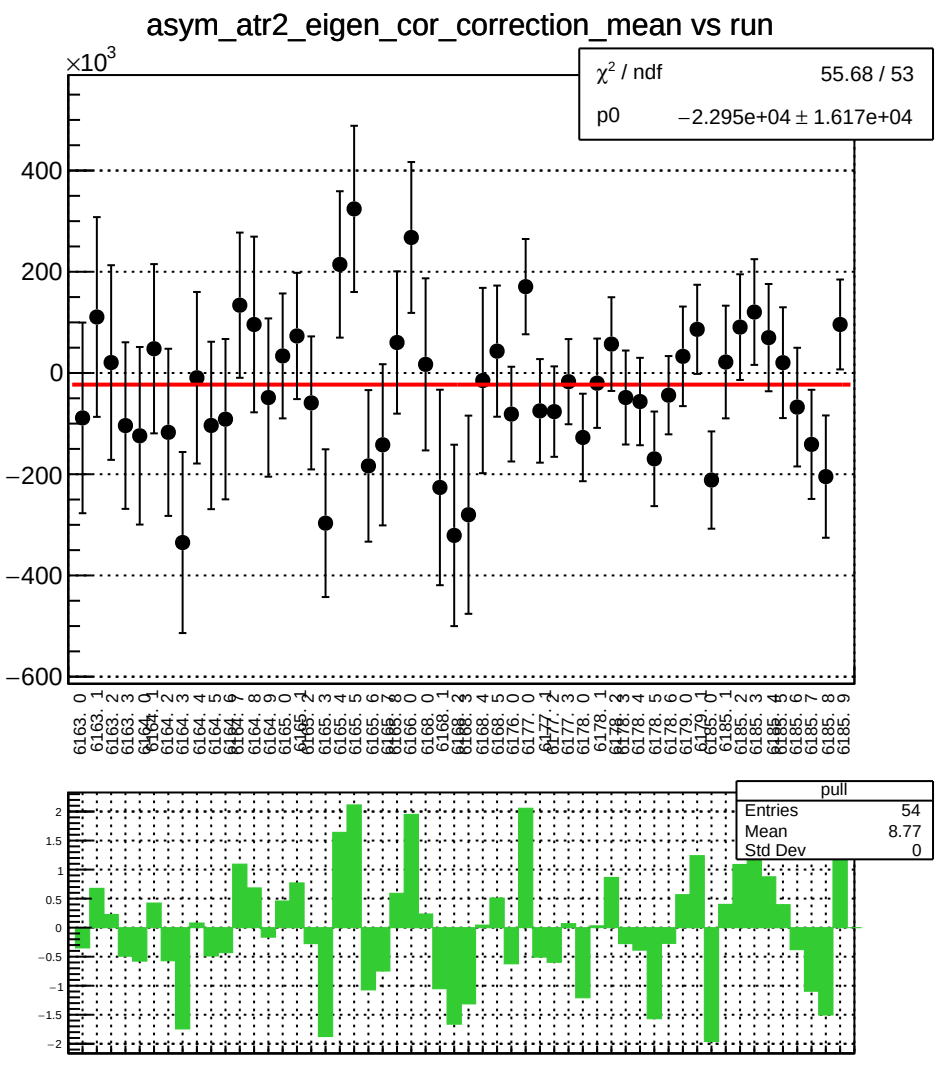
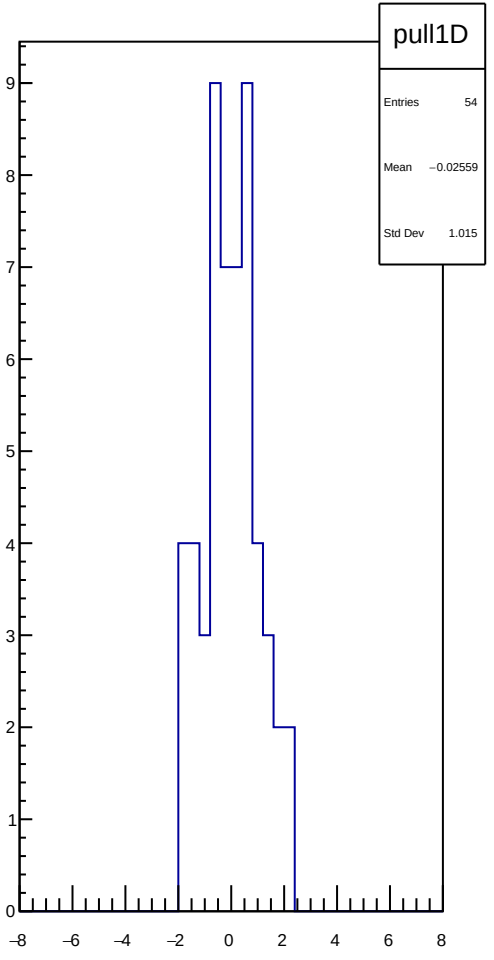

eigen_cor_asym_atr2_rms vs run
χ² / ndf 1217 / 53
p0 2638 ± 2.597
2850
2800
2750
2700
2650
2600
2550
2500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


asym_atr2_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 55.68 / 53
p0 −2.295e+04 ± 1.617e+04
400
200
0
−200
−400
−600
pull
Entries 54
Mean 8.77
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 54
Mean −0.02559
Std Dev 1.015
9
8
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5
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3
2
1
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−8
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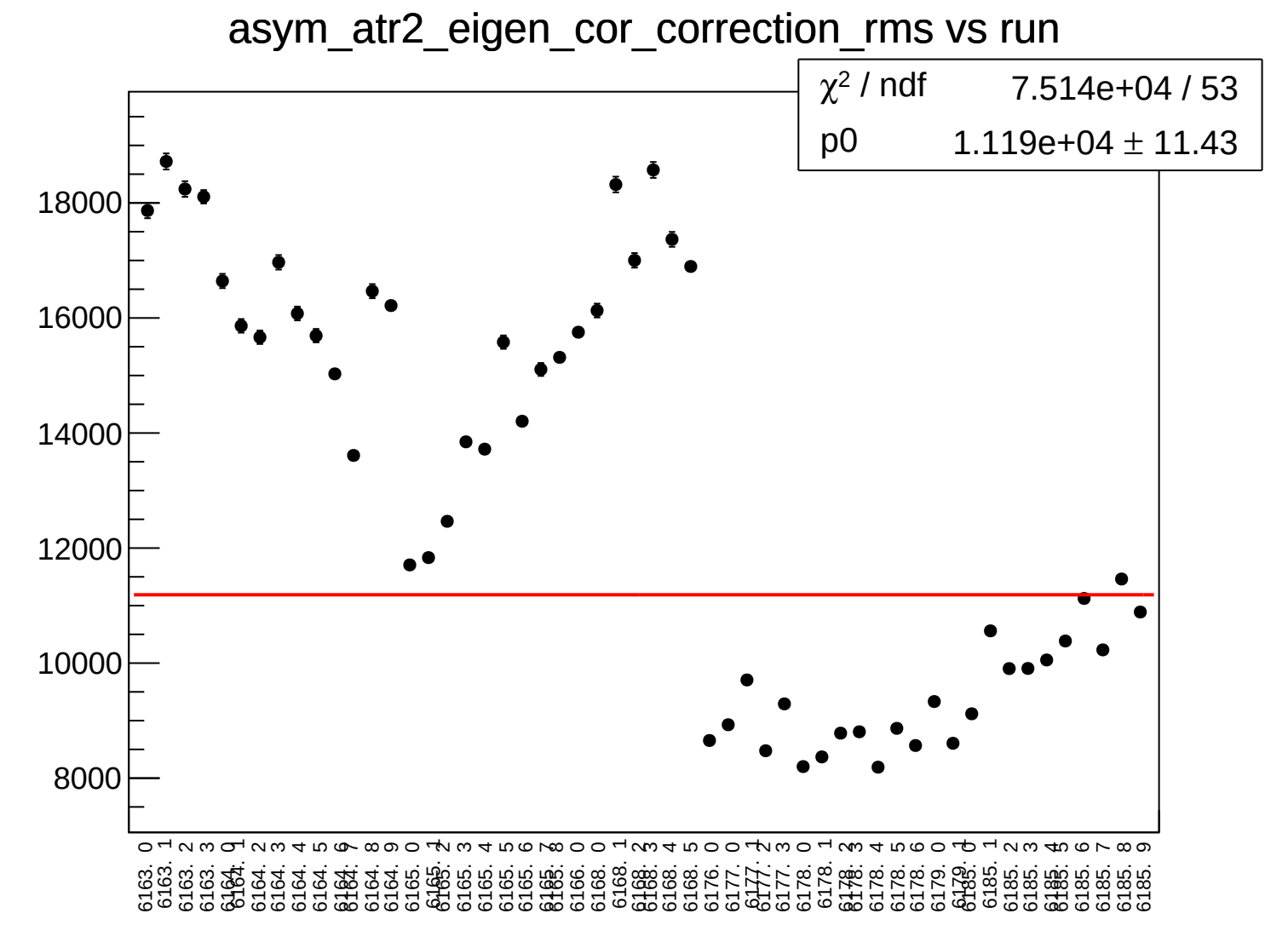
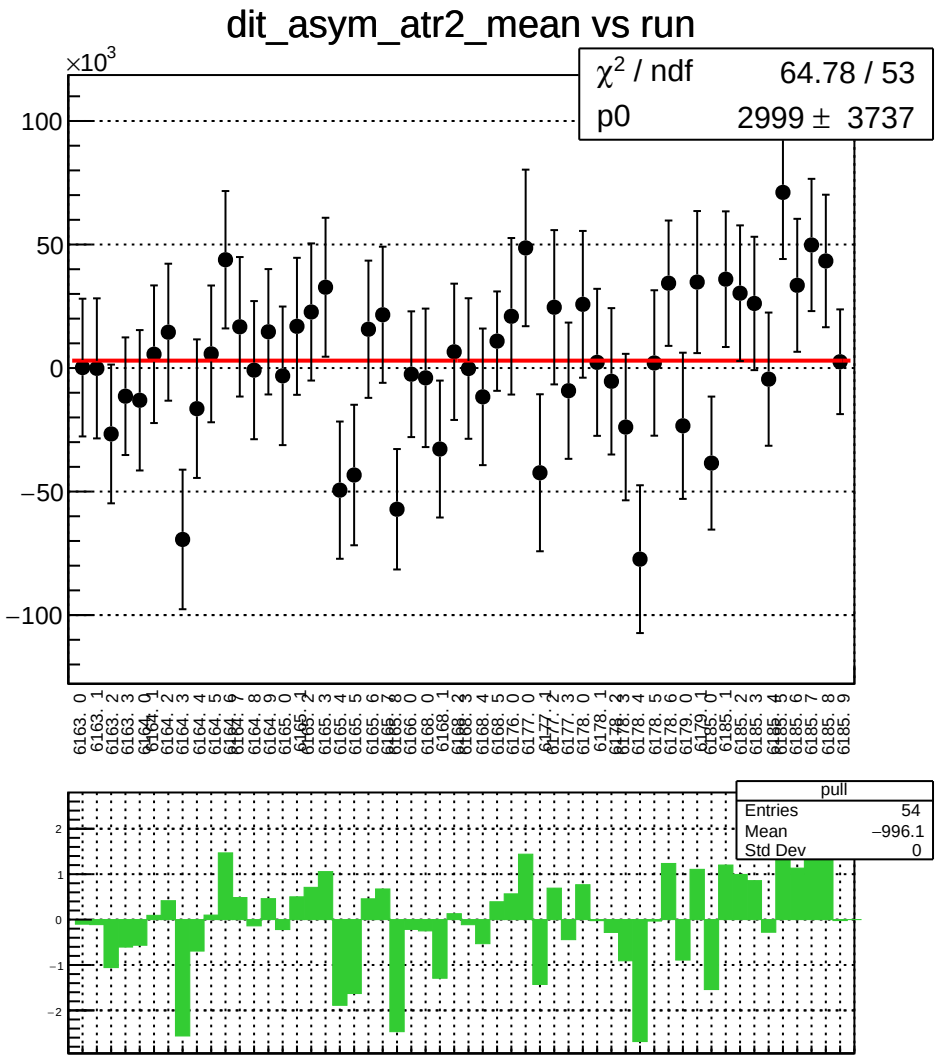
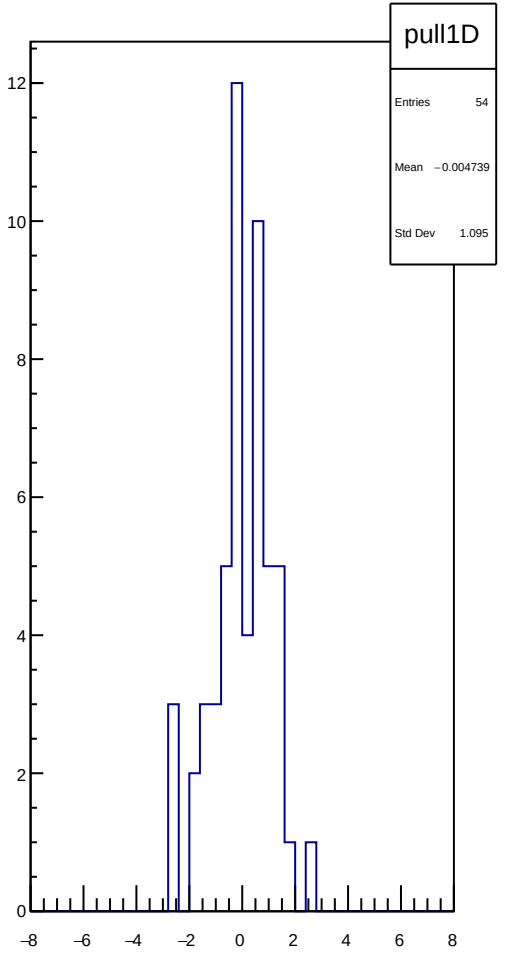
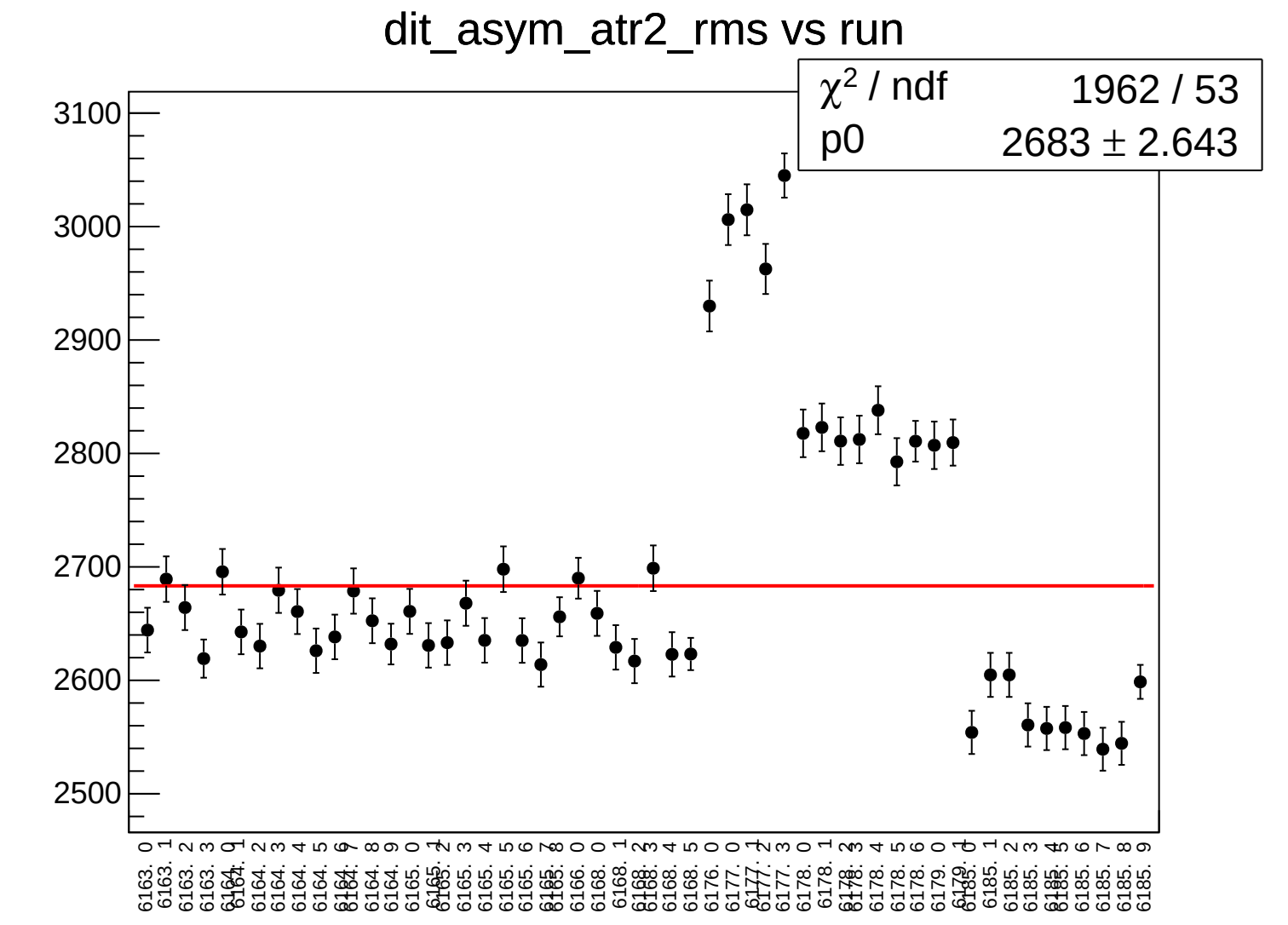
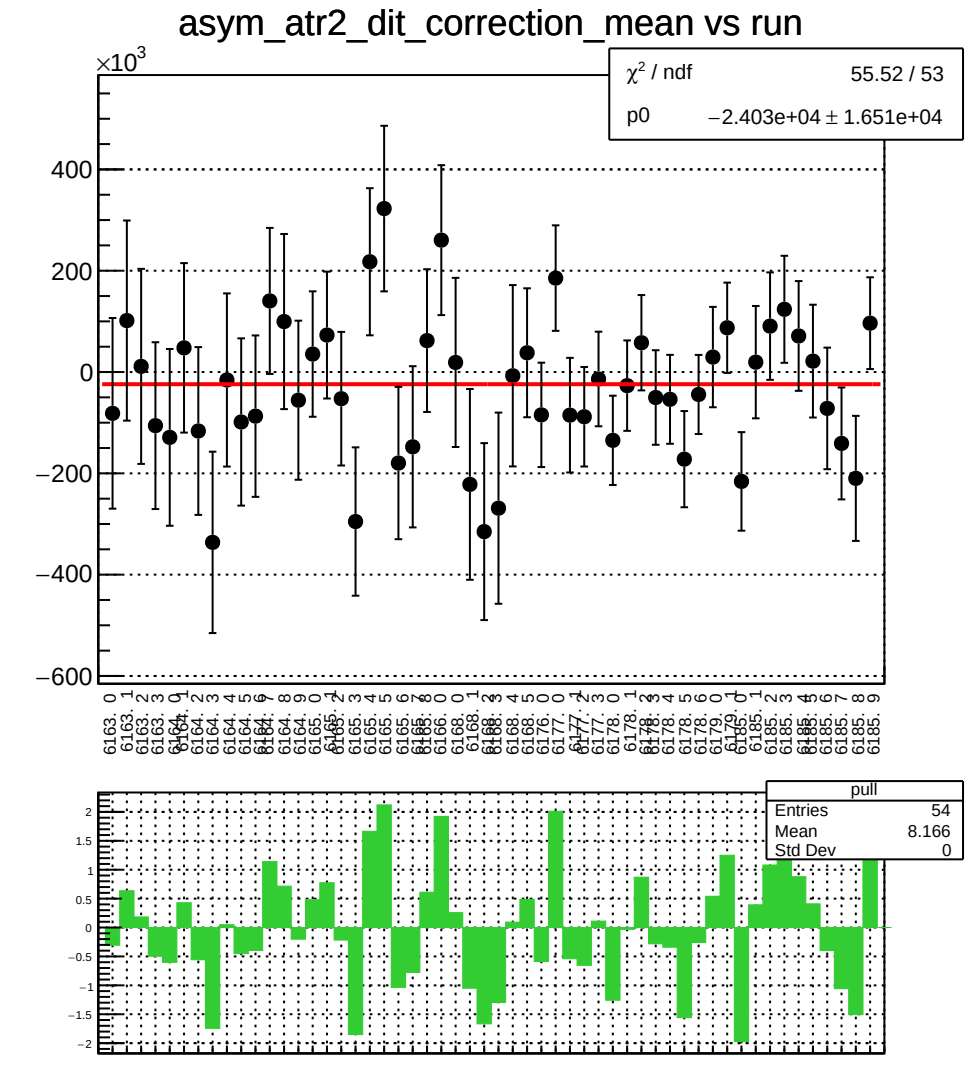
−4
−2
0
2
4
6
8

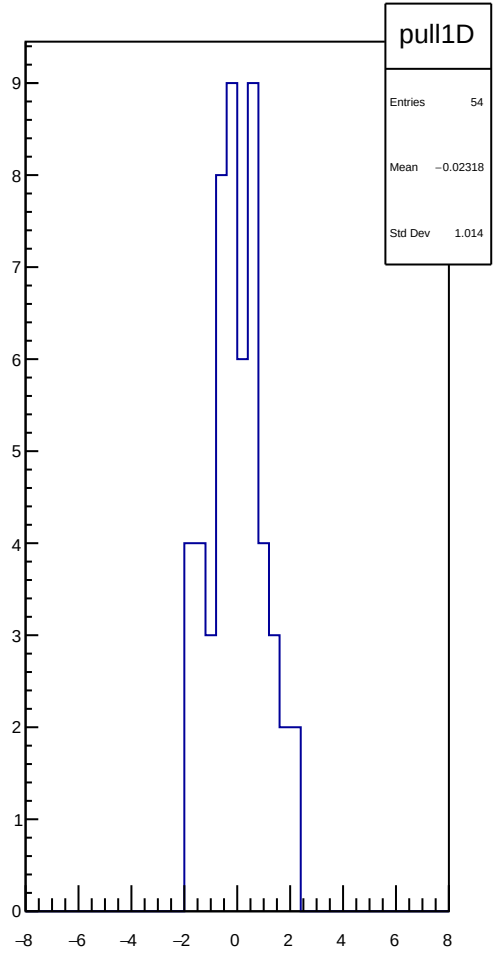

asym_atr2_eigen_cor_correction_rms vs run
χ² / ndf 7.514e+04 / 53
p0 1.119e+04 ± 11.43
18000
16000
14000
12000
10000
8000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

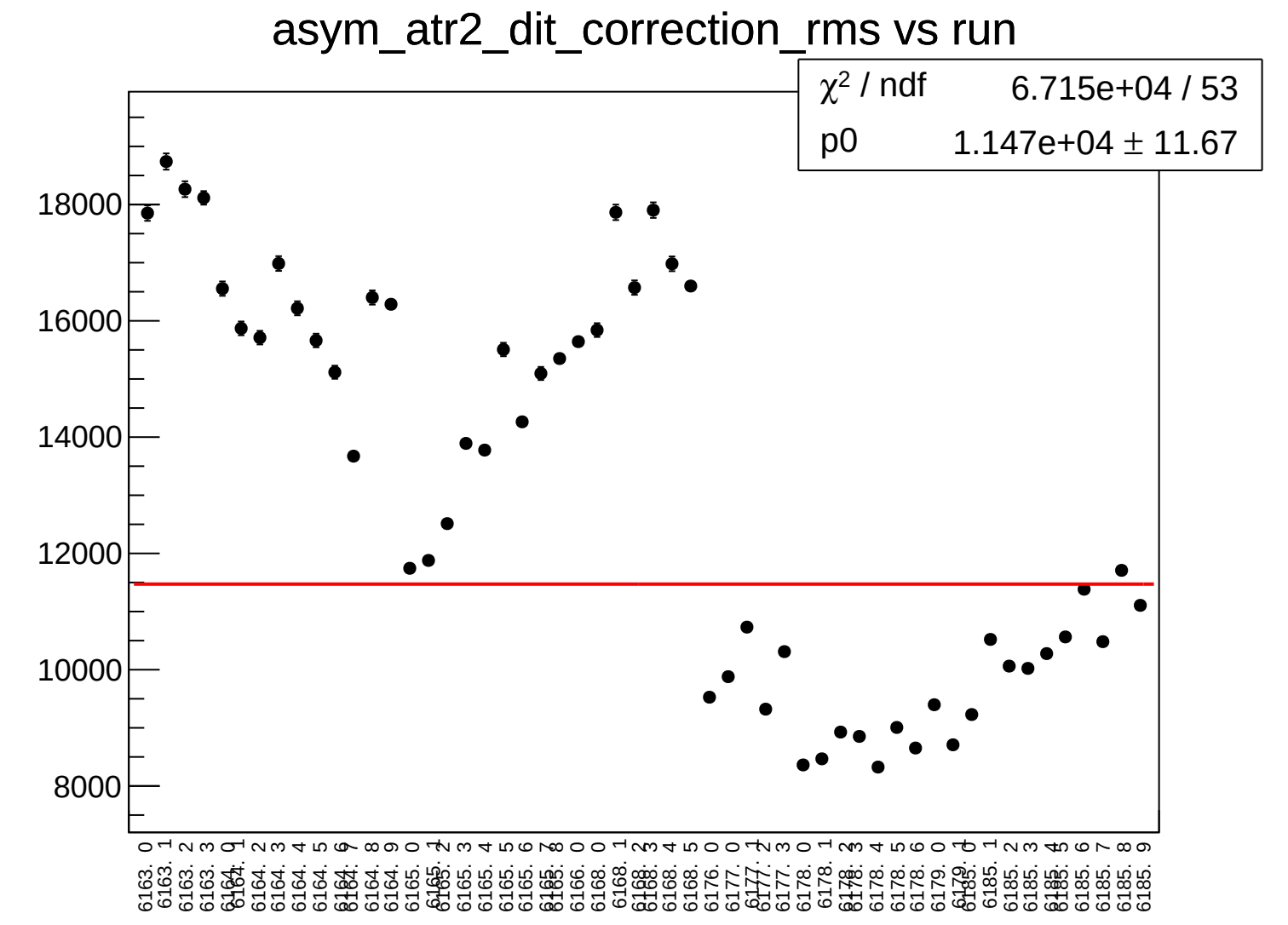

dit_asym_atr2_mean vs run
×10^3
χ^2 / ndf 64.78 / 53
p0 2999 ± 3737
100
50
0
−50
−100
pull
Entries 54
Mean −996.1
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 54
Mean −0.004739
Std Dev 1.095
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_atr2_rms vs run
χ² / ndf 1962 / 53
p0 2683 ± 2.643
3100
3000
2900
2800
2700
2600
2500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


asym_atr2_dit_correction_mean vs run
×10^3
χ² / ndf 55.52 / 53
p0 −2.403e+04 ± 1.651e+04
400
200
0
−200
−400
−600
pull
Entries 54
Mean 8.166
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 54
Mean −0.02318
Std Dev 1.014
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atr2_dit_correction_rms vs run
χ² / ndf 6.715e+04 / 53
p0 1.147e+04 ± 11.67
18000
16000
14000
12000
10000
8000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
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6179. 0
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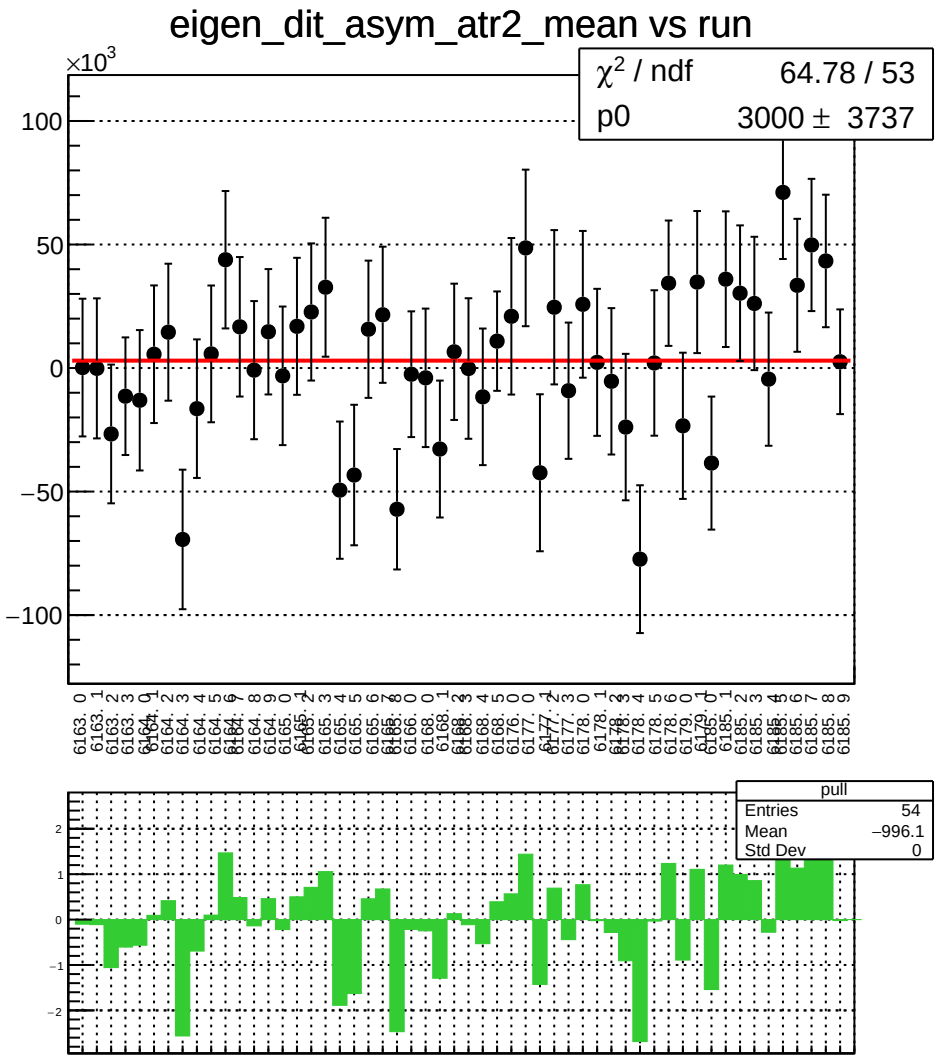
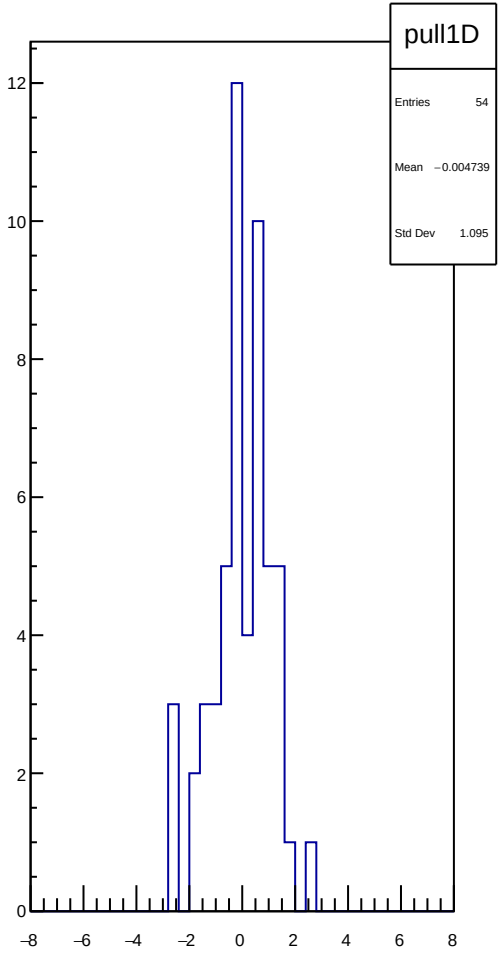
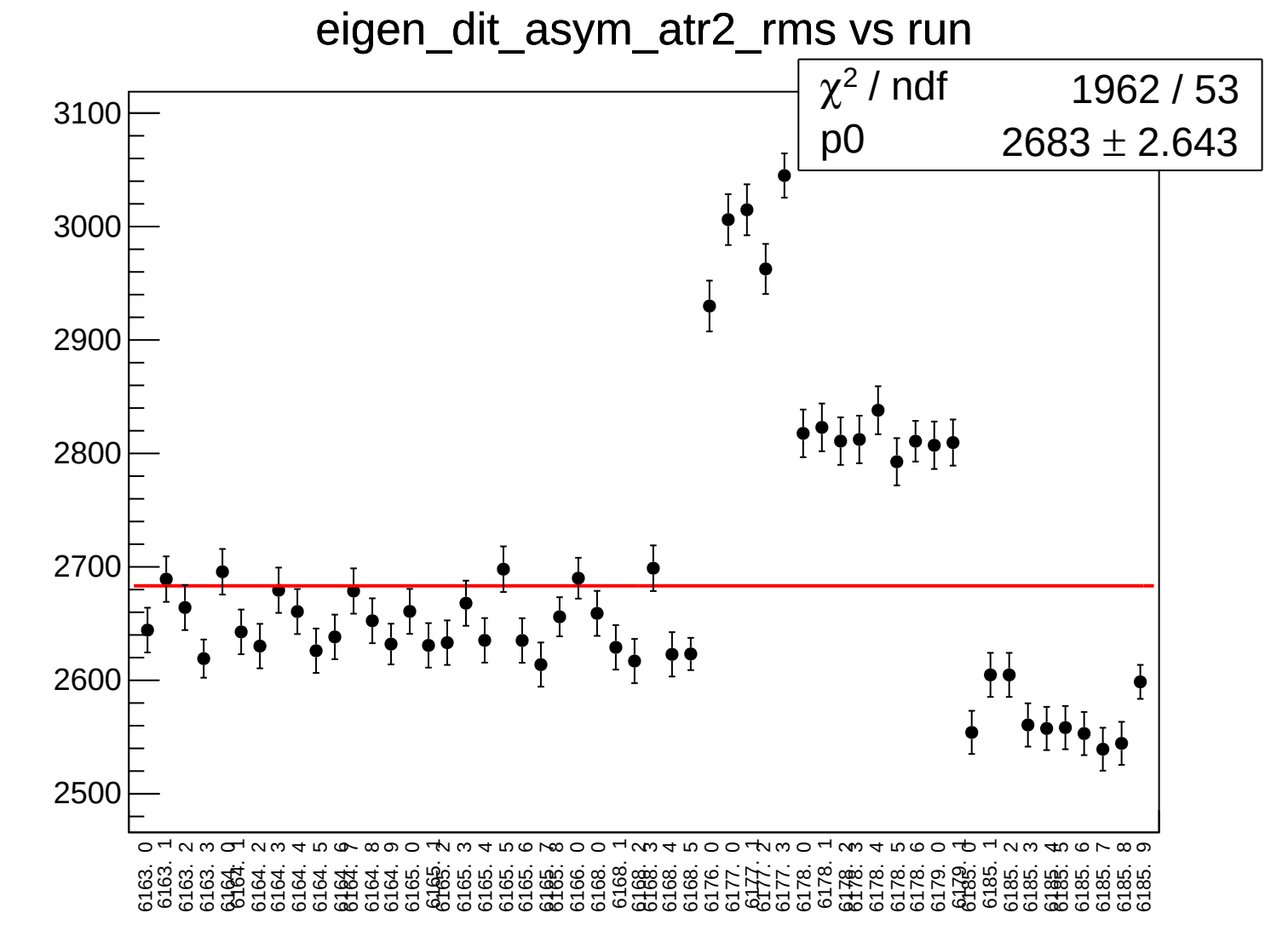
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


eigen_dit_asym_atr2_mean vs run
×10^3
χ² / ndf 64.78 / 53
p0 3000 ± 3737
100
50
0
−50
−100
pull
Entries 54
Mean −996.1
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 54
Mean −0.004739
Std Dev 1.095
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_dit_asym_atr2_rms vs run
χ² / ndf 1962 / 53
p0 2683 ± 2.643
3100
3000
2900
2800
2700
2600
2500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
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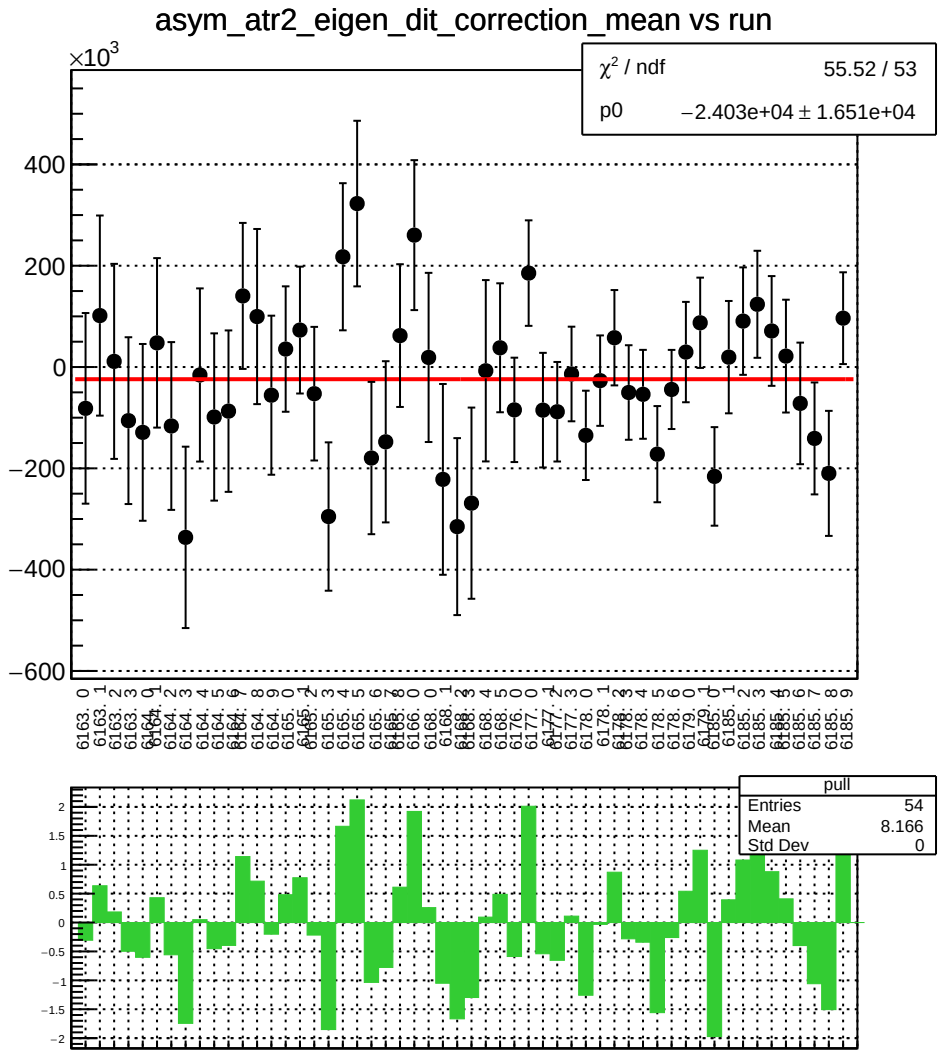
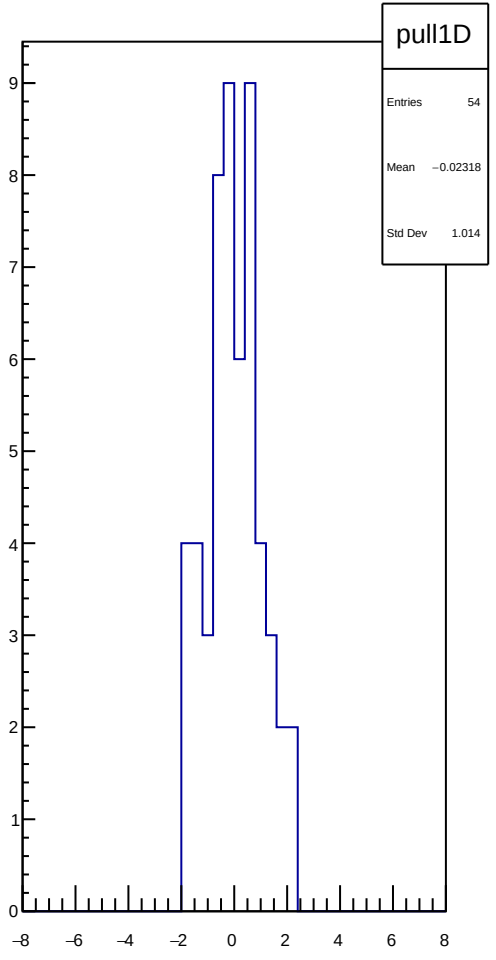
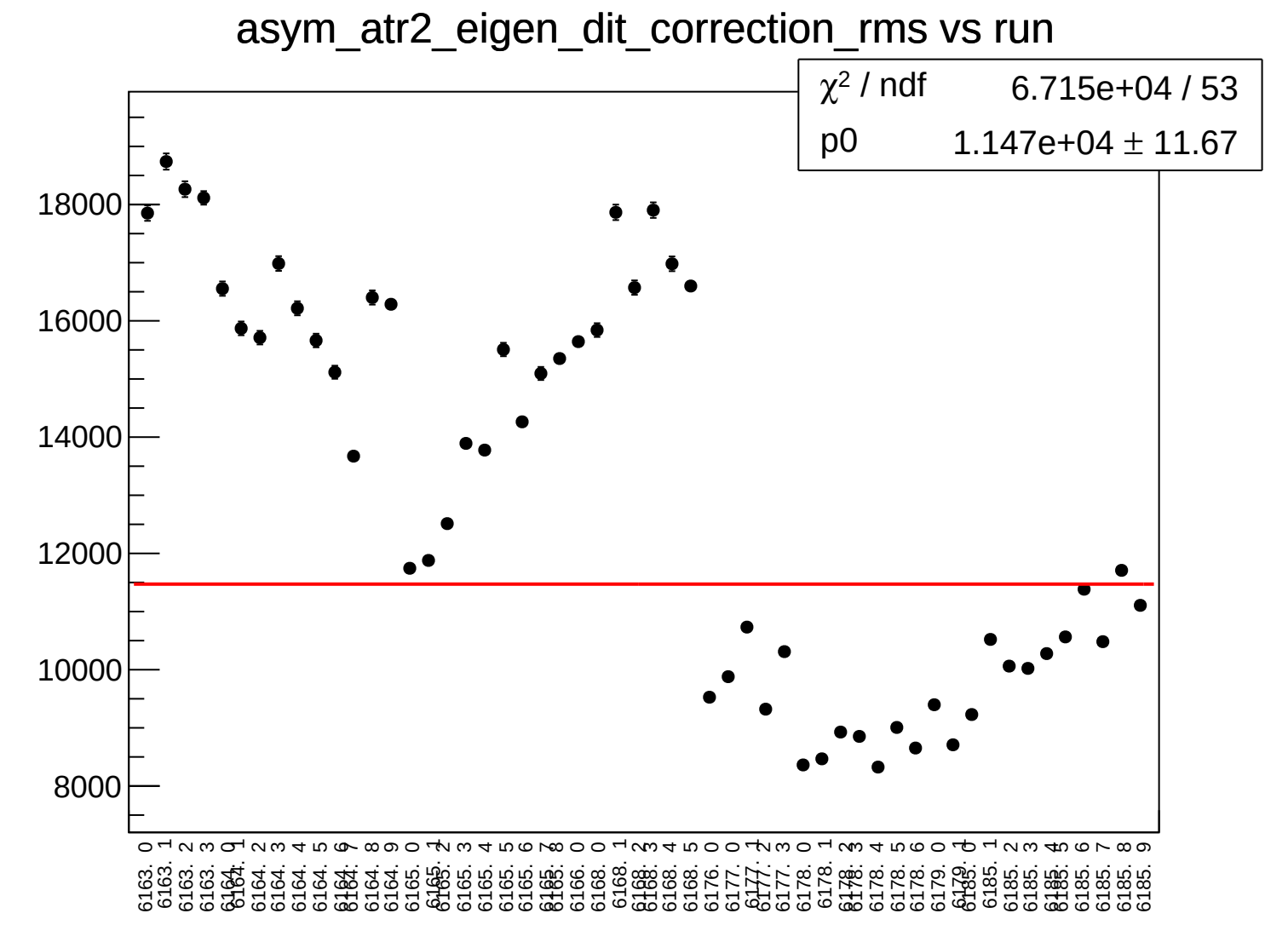
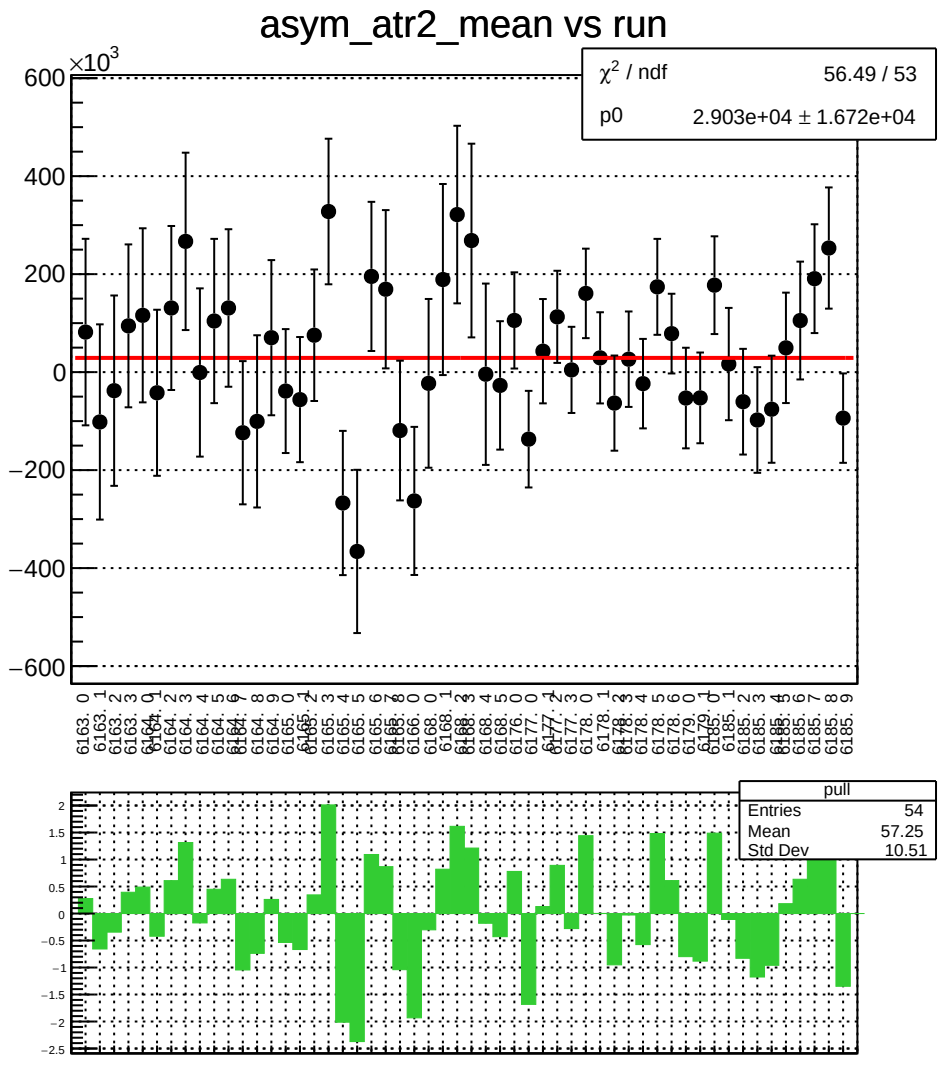
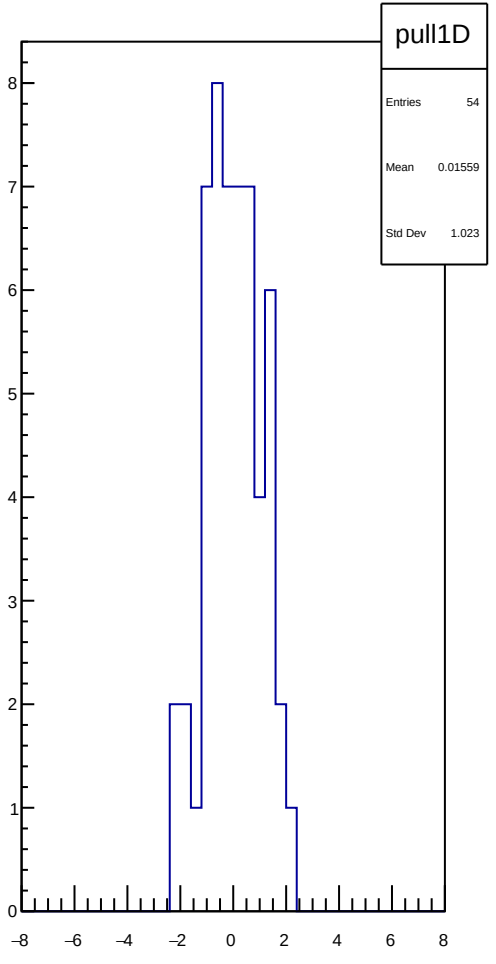
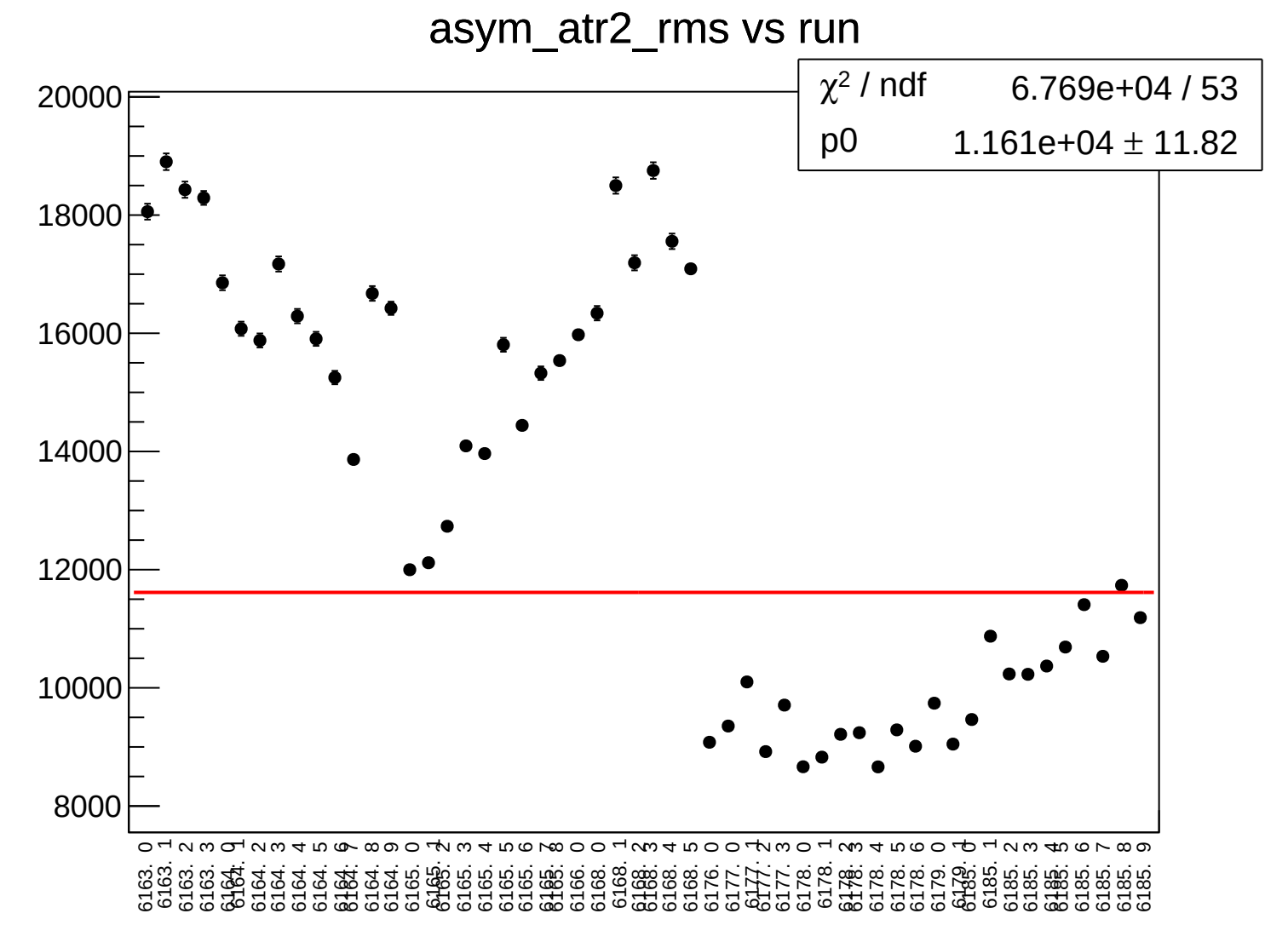

asym_atr2_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 55.52 / 53
p0 −2.403e+04 ± 1.651e+04
400
200
0
−200
−400
−600
pull
Entries 54
Mean 8.166
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

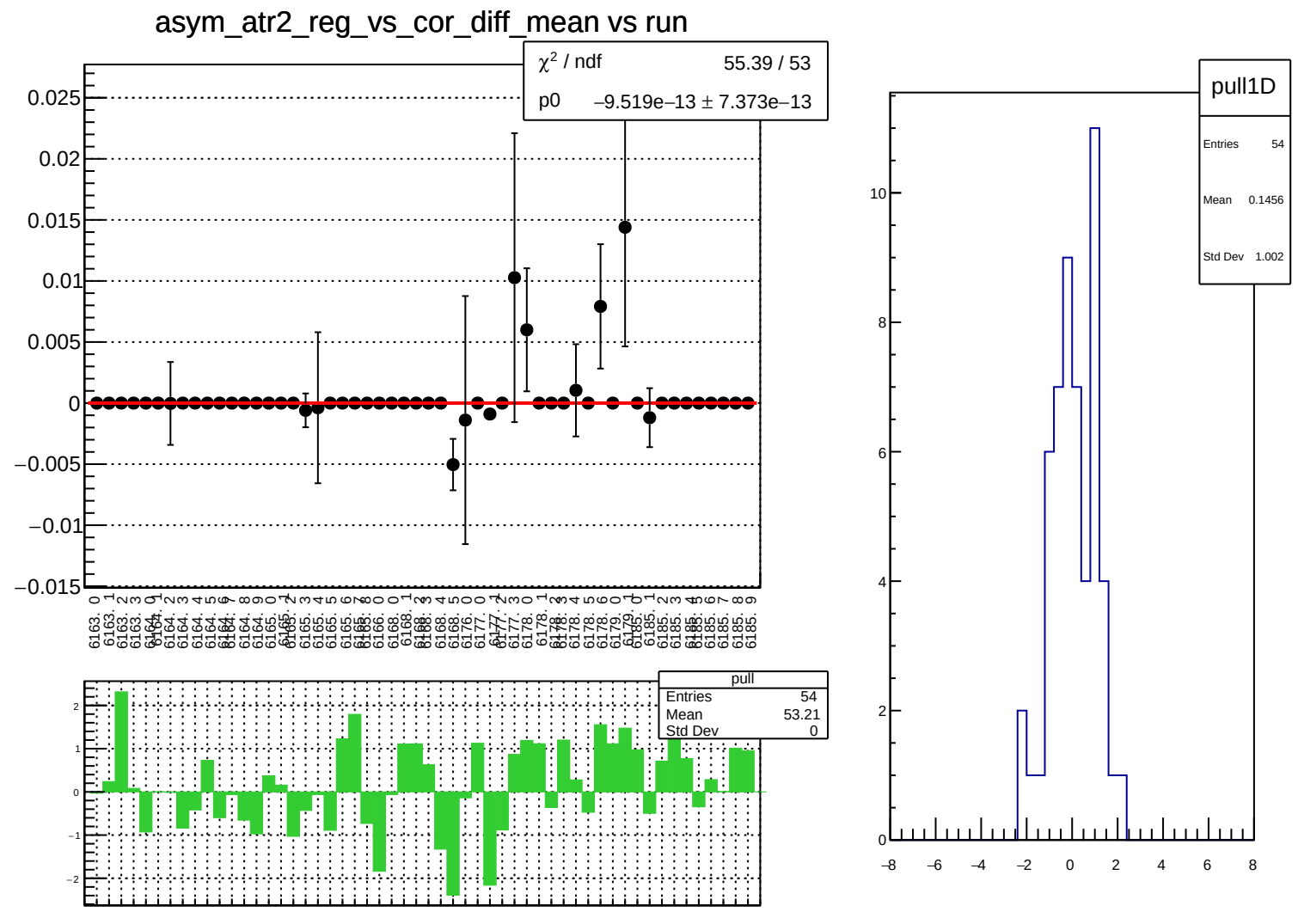

pull1D
Entries 54
Mean −0.02318
Std Dev 1.014
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

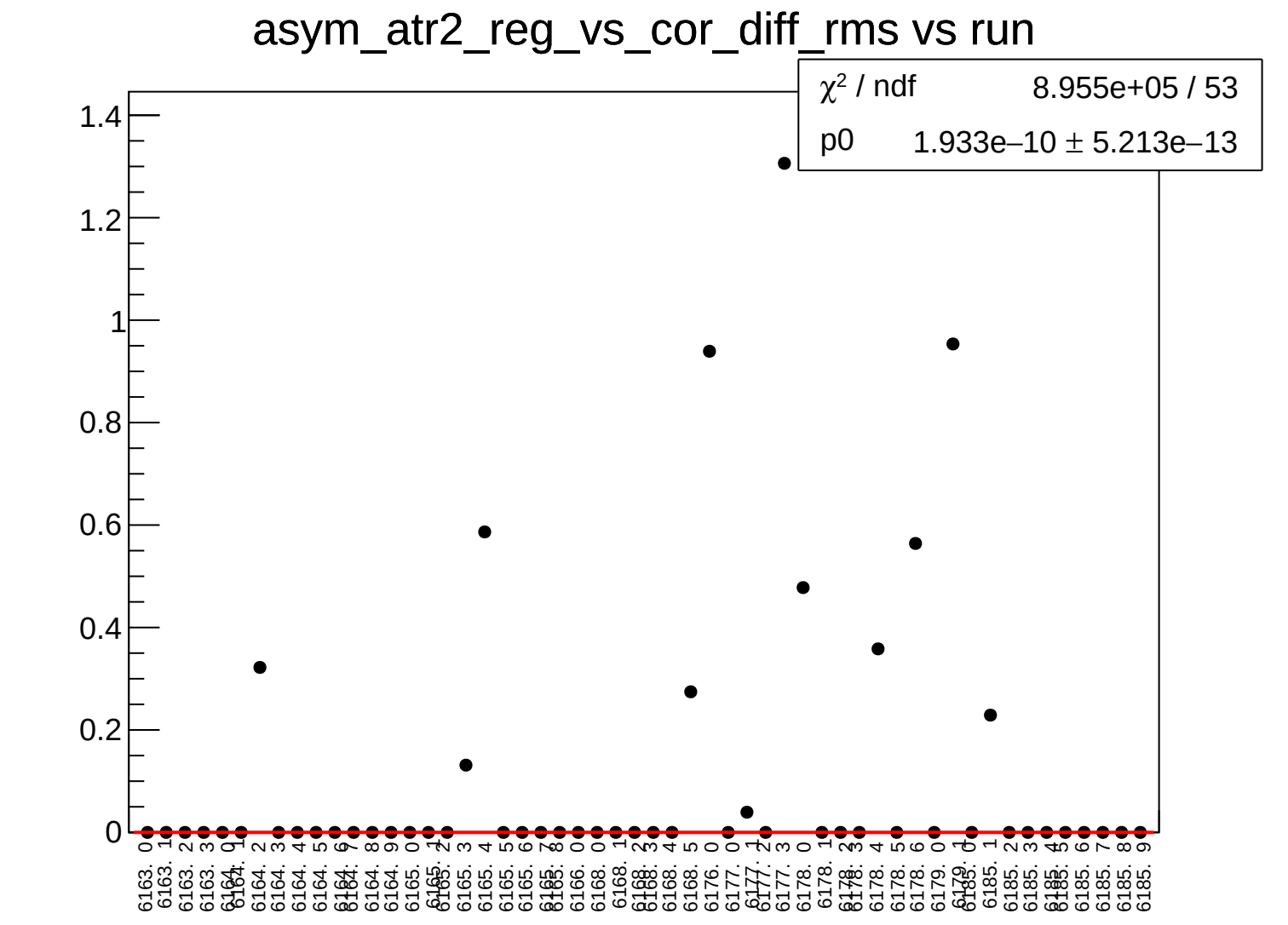

asym_atr2_eigen_dit_correction_rms vs run
χ² / ndf 6.715e+04 / 53
p0 1.147e+04 ± 11.67
18000
16000
14000
12000
10000
8000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

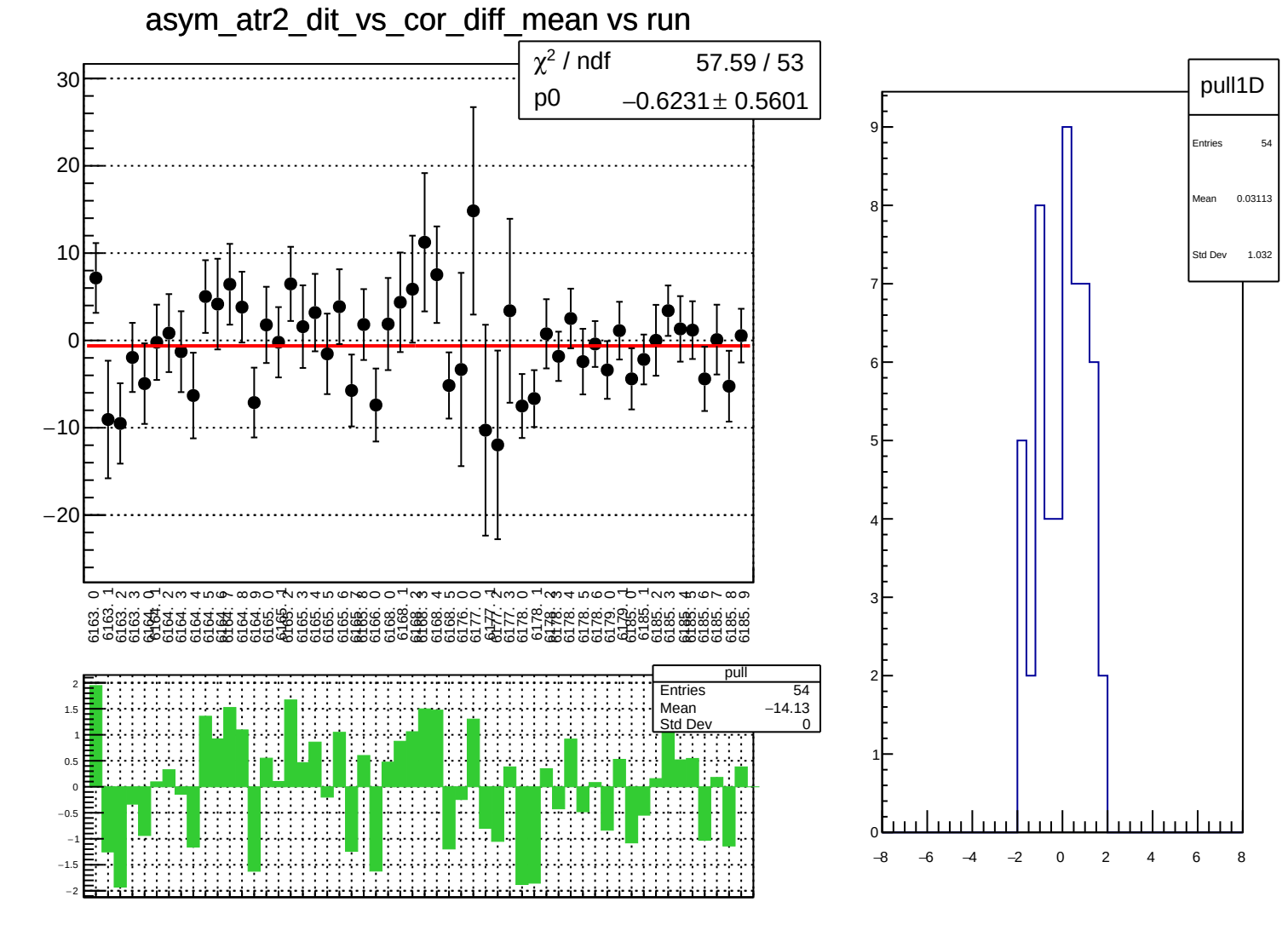

asym_atr2_mean vs run
×10^3
600
400
200
0
−200
−400
−600
χ² / ndf 56.49 / 53
p0 2.903e+04 ± 1.672e+04
pull
Entries 54
Mean 57.25
Std Dev 10.51
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

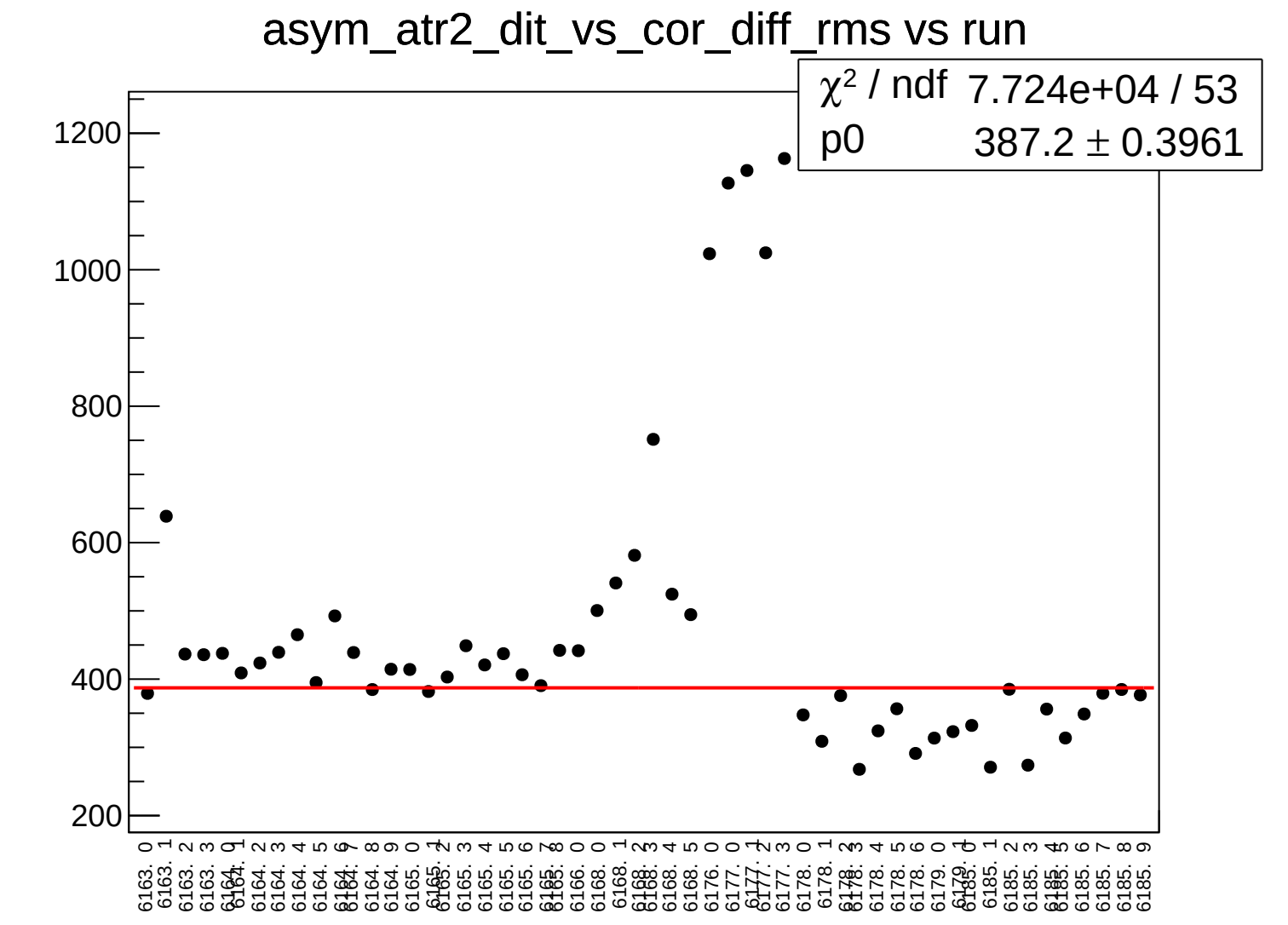

pull1D
Entries 54
Mean 0.01559
Std Dev 1.023
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

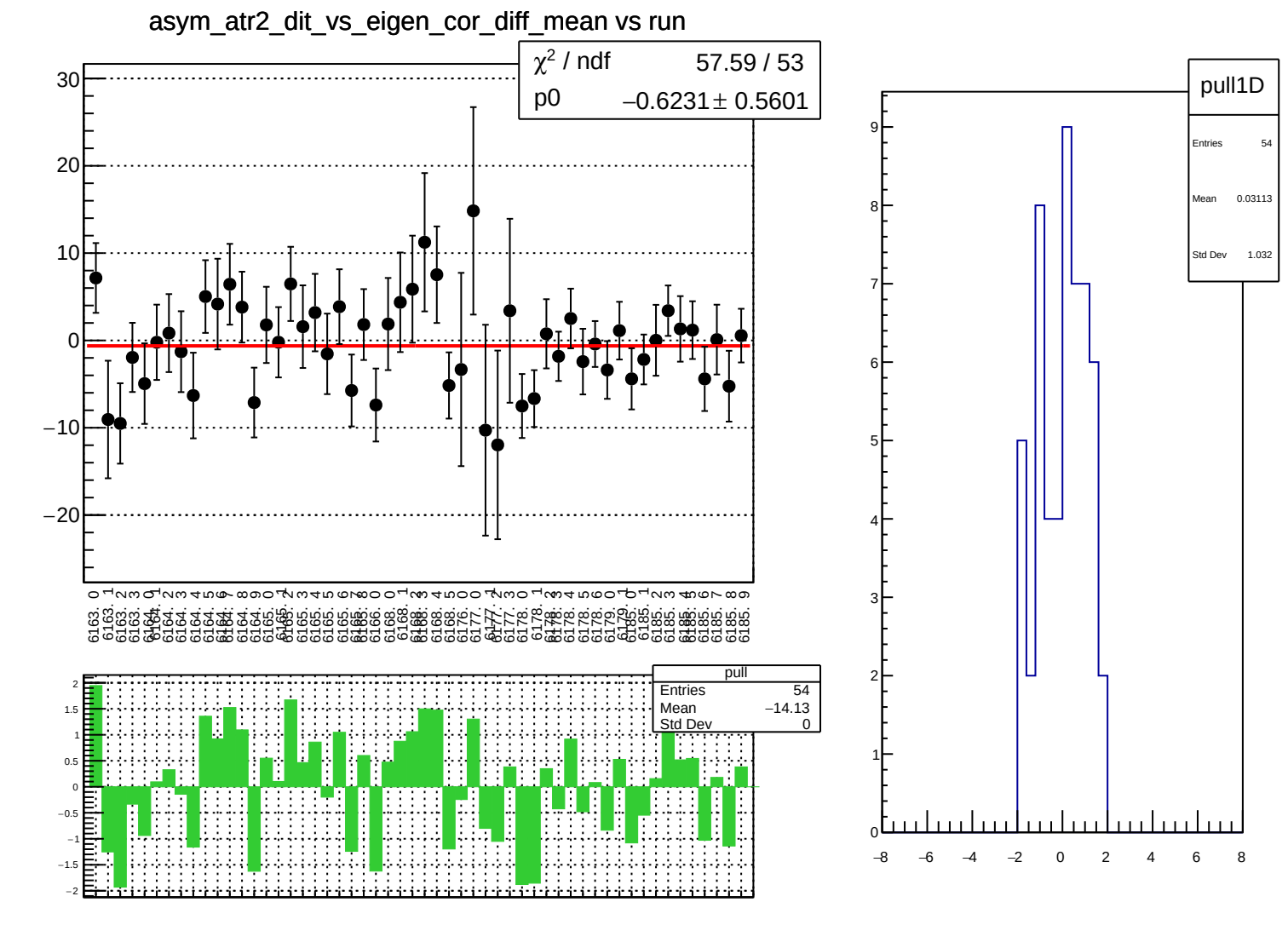

asym_atr2_rms vs run
χ² / ndf 6.769e+04 / 53
p0 1.161e+04 ± 11.82
20000
18000
16000
14000
12000
10000
8000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

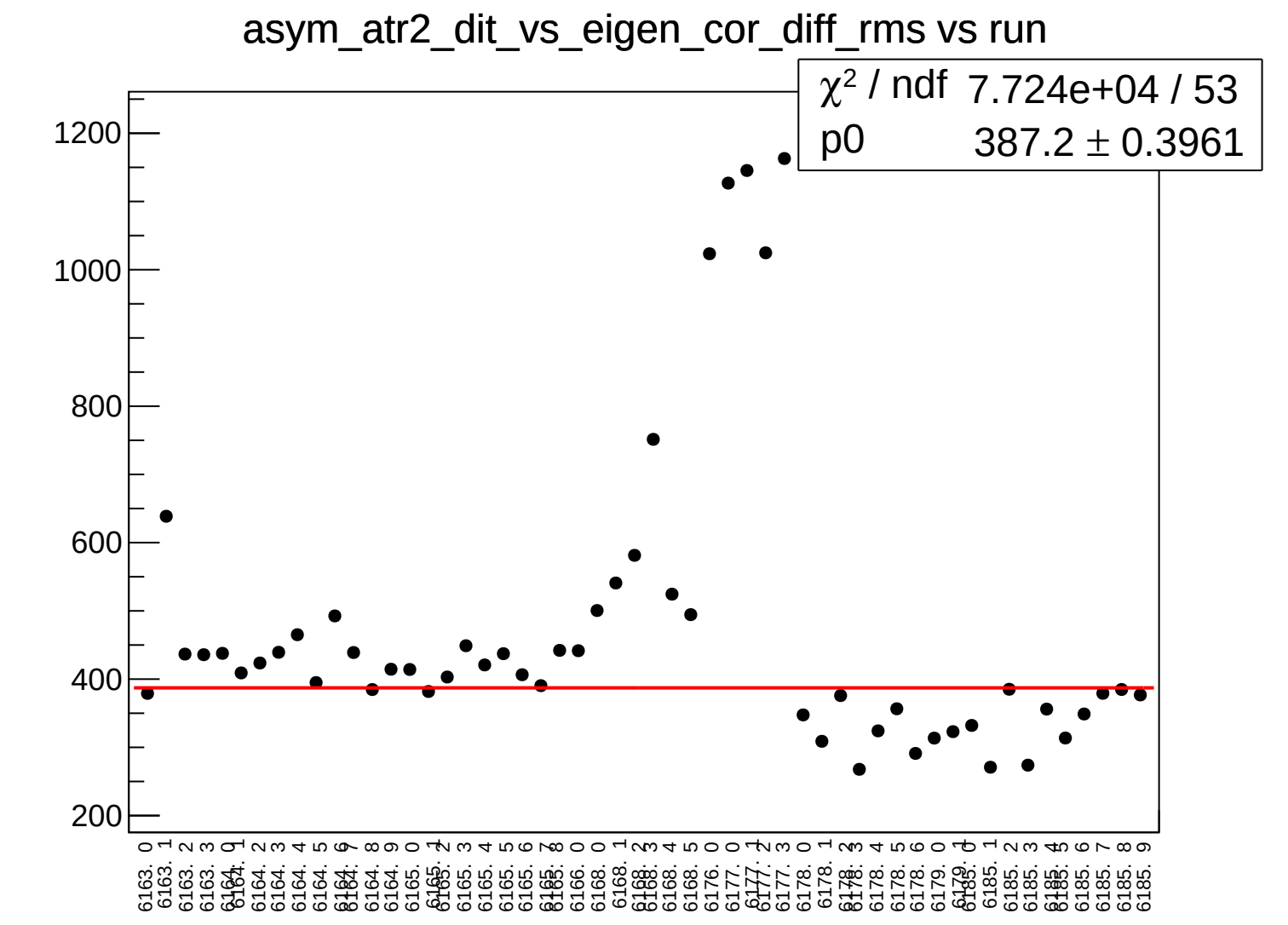

asym_atr2_reg_vs_cor_diff_mean vs run
χ² / ndf 55.39 / 53
p0 −9.519e−13 ± 7.373e−13
pull
Entries 54
Mean 53.21
Std Dev 0
pull1D
Entries 54
Mean 0.1456
Std Dev 1.002

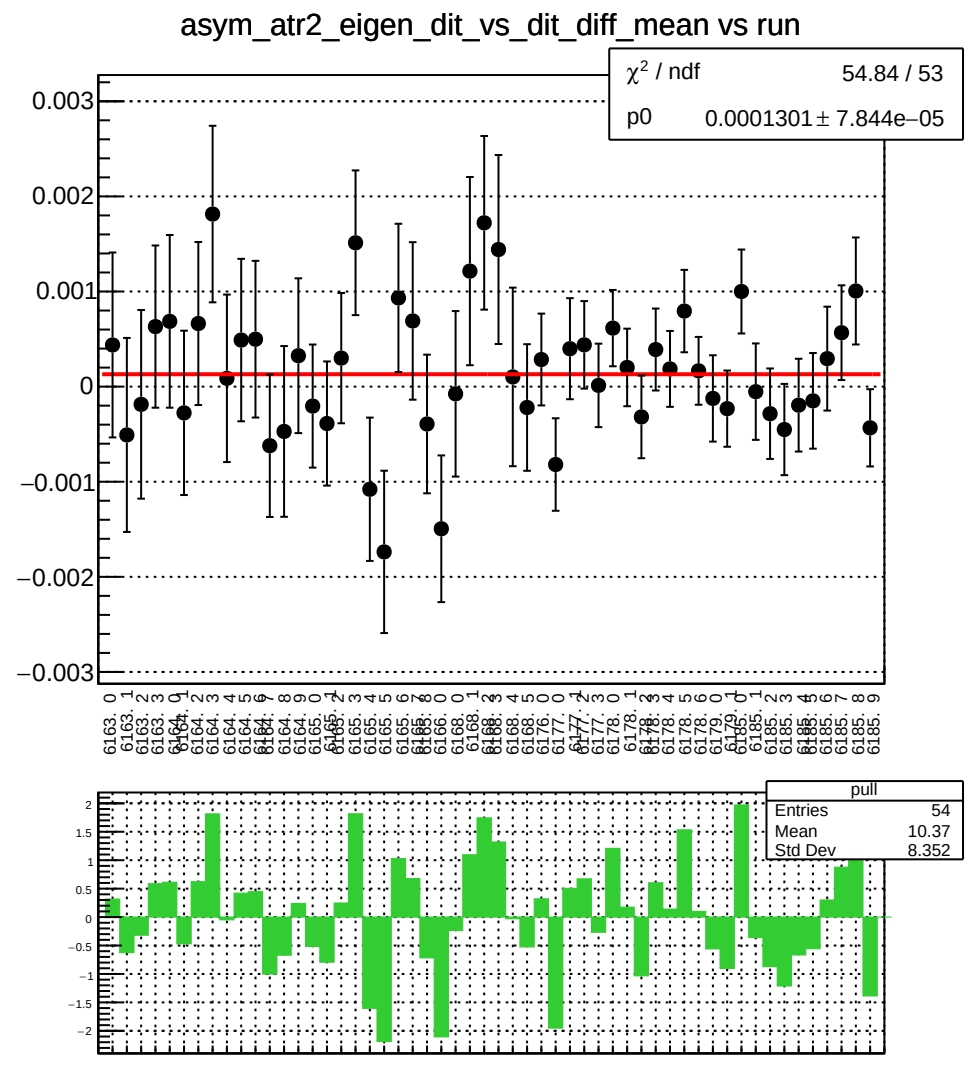

asym_atr2_reg_vs_cor_diff_rms vs run
χ² / ndf 8.955e+05 / 53
p0 1.933e−10 ± 5.213e−13
1.4
1.2
1
0.8
0.6
0.4
0.2
0
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

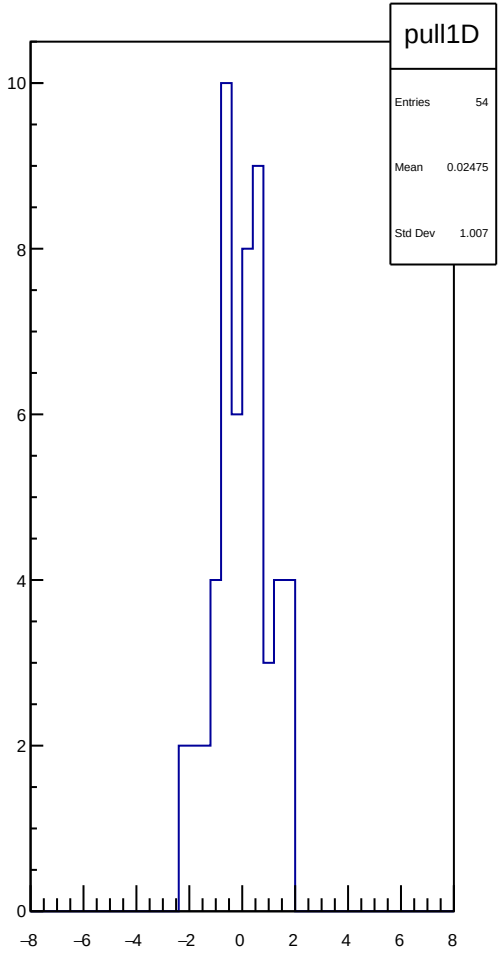

asym_atr2_dit_vs_cor_diff_mean vs run
χ² / ndf 57.59 / 53
p0 −0.6231 ± 0.5601
pull
Entries 54
Mean −14.13
Std Dev 0
pull1D
Entries 54
Mean 0.03113
Std Dev 1.032

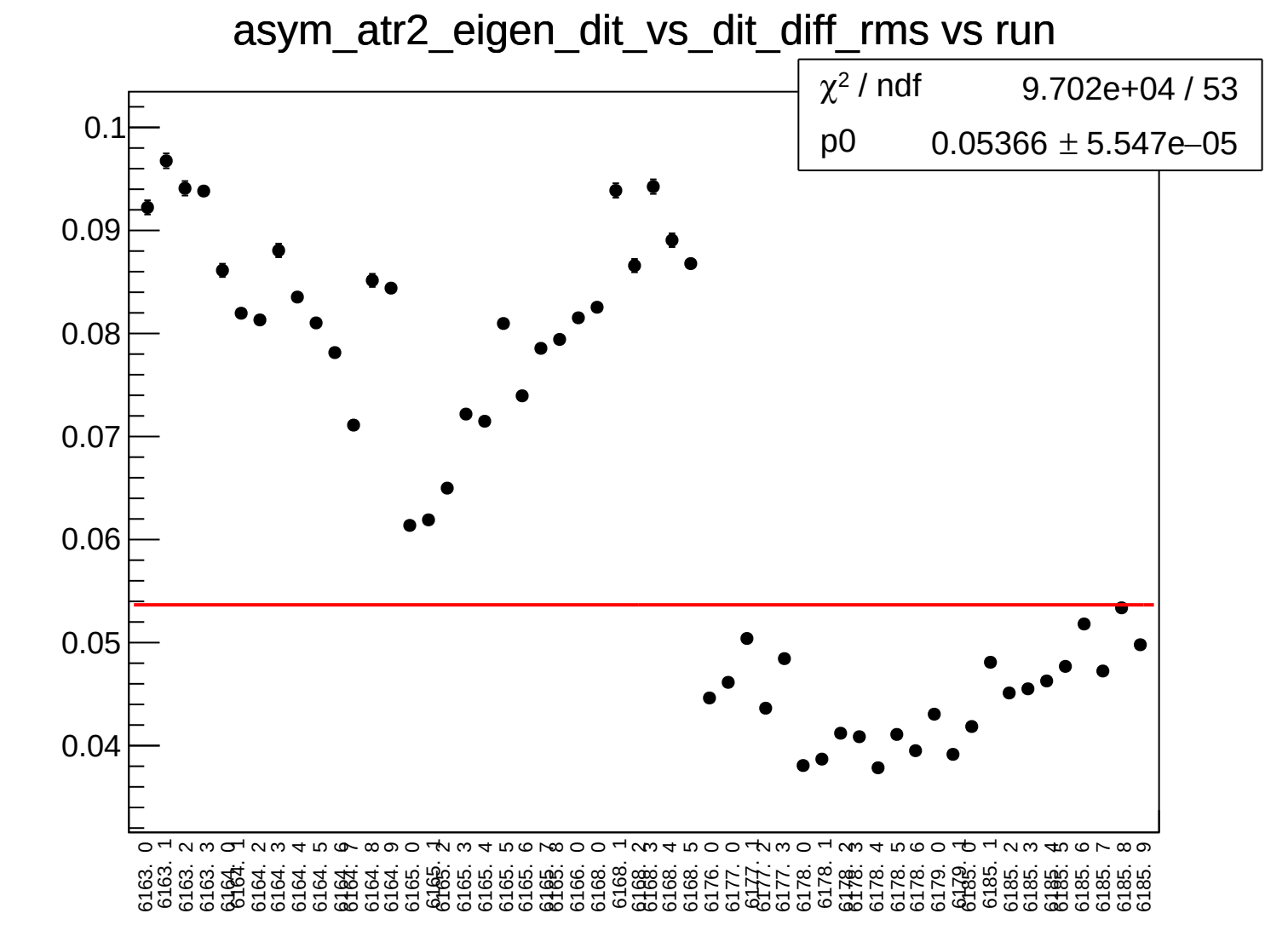

asym_atr2_dit_vs_cor_diff_rms vs run
χ² / ndf 7.724e+04 / 53
p0 387.2 ± 0.3961
1200
1000
800
600
400
200
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

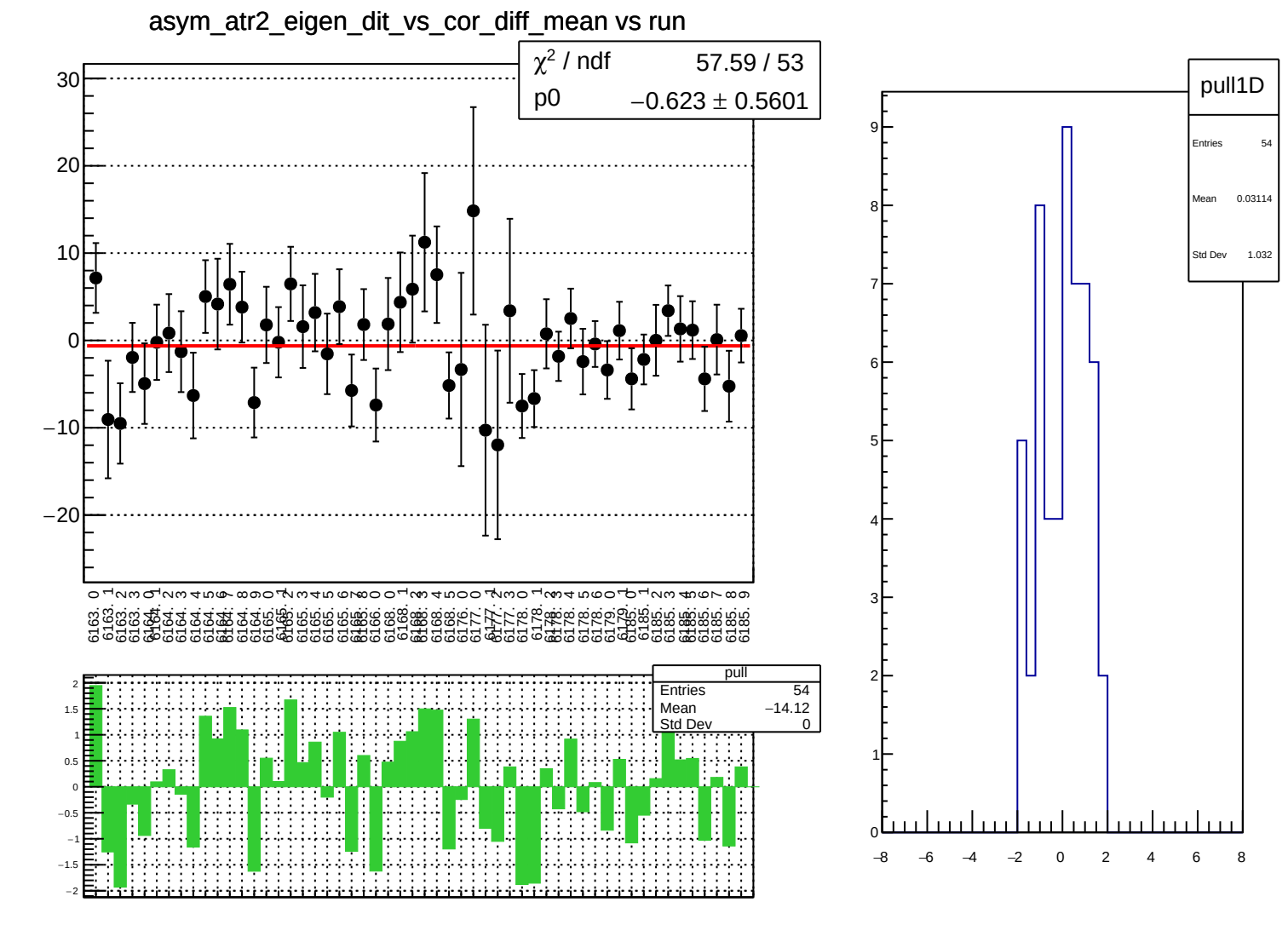

asym_atr2_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 57.59 / 53
p0 −0.6231 ± 0.5601
pull
Entries 54
Mean −14.13
Std Dev 0
pull1D
Entries 54
Mean 0.03113
Std Dev 1.032

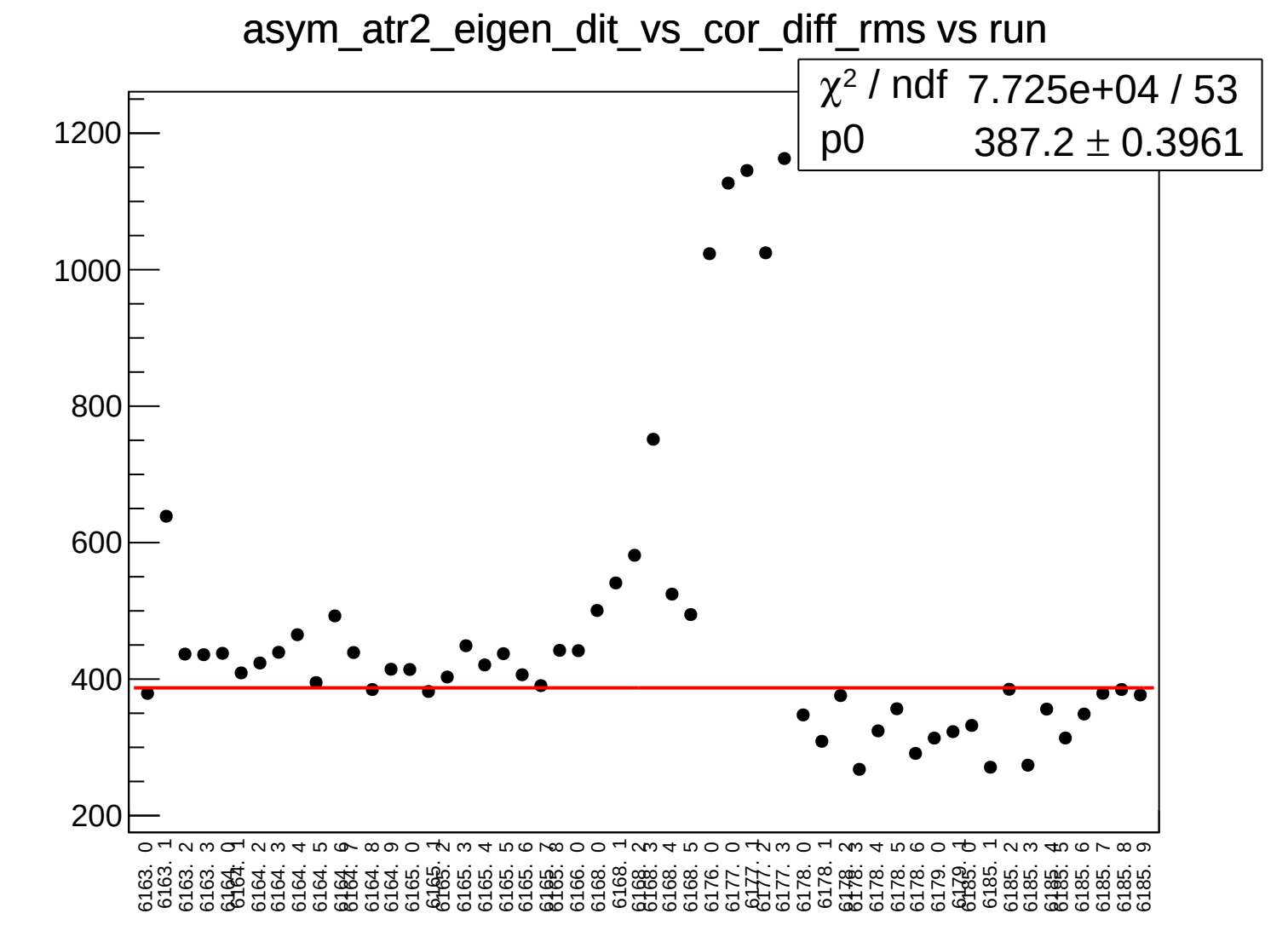

asym_atr2_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.724e+04 / 53
p0 387.2 ± 0.3961
1200
1000
800
600
400
200
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

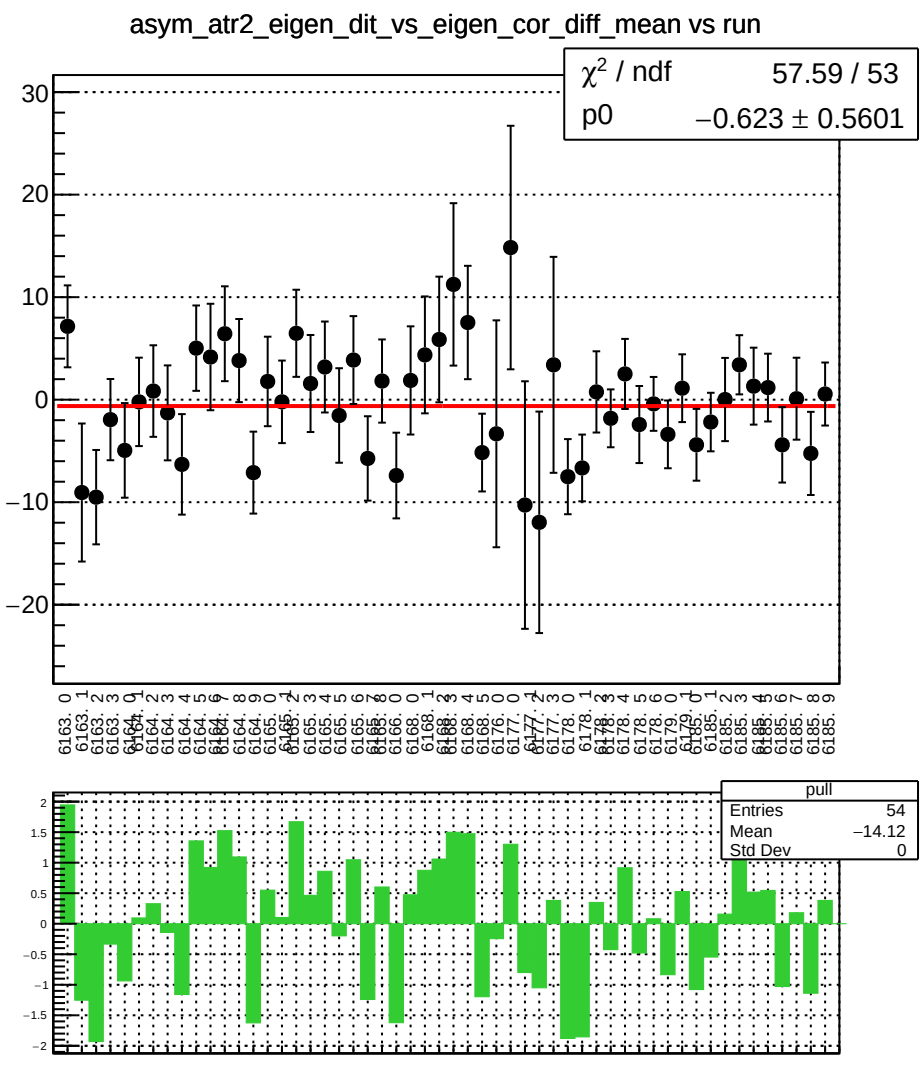

asym_atr2_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 54.84 / 53
p0 0.0001301 ± 7.844e−05
0.003
0.002
0.001
0
−0.001
−0.002
−0.003
pull
Entries 54
Mean 10.37
Std Dev 8.352

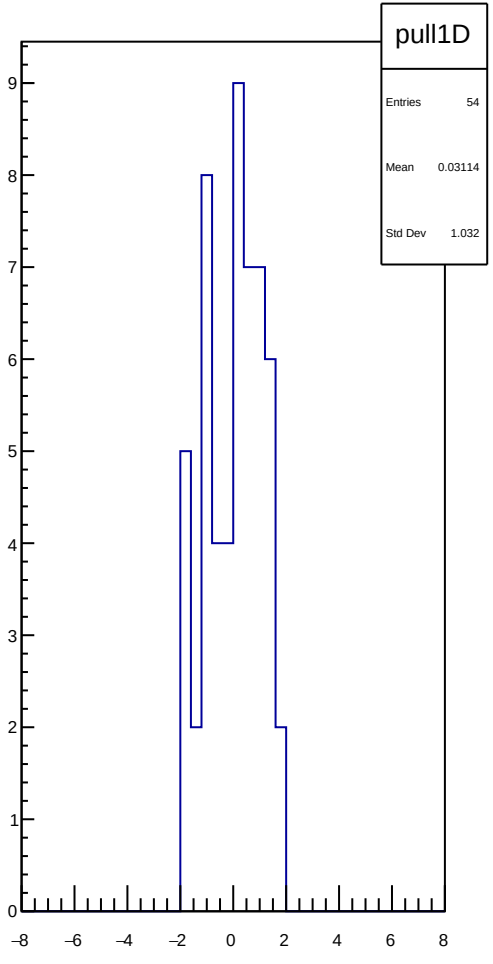

pull1D
Entries 54
Mean 0.02475
Std Dev 1.007

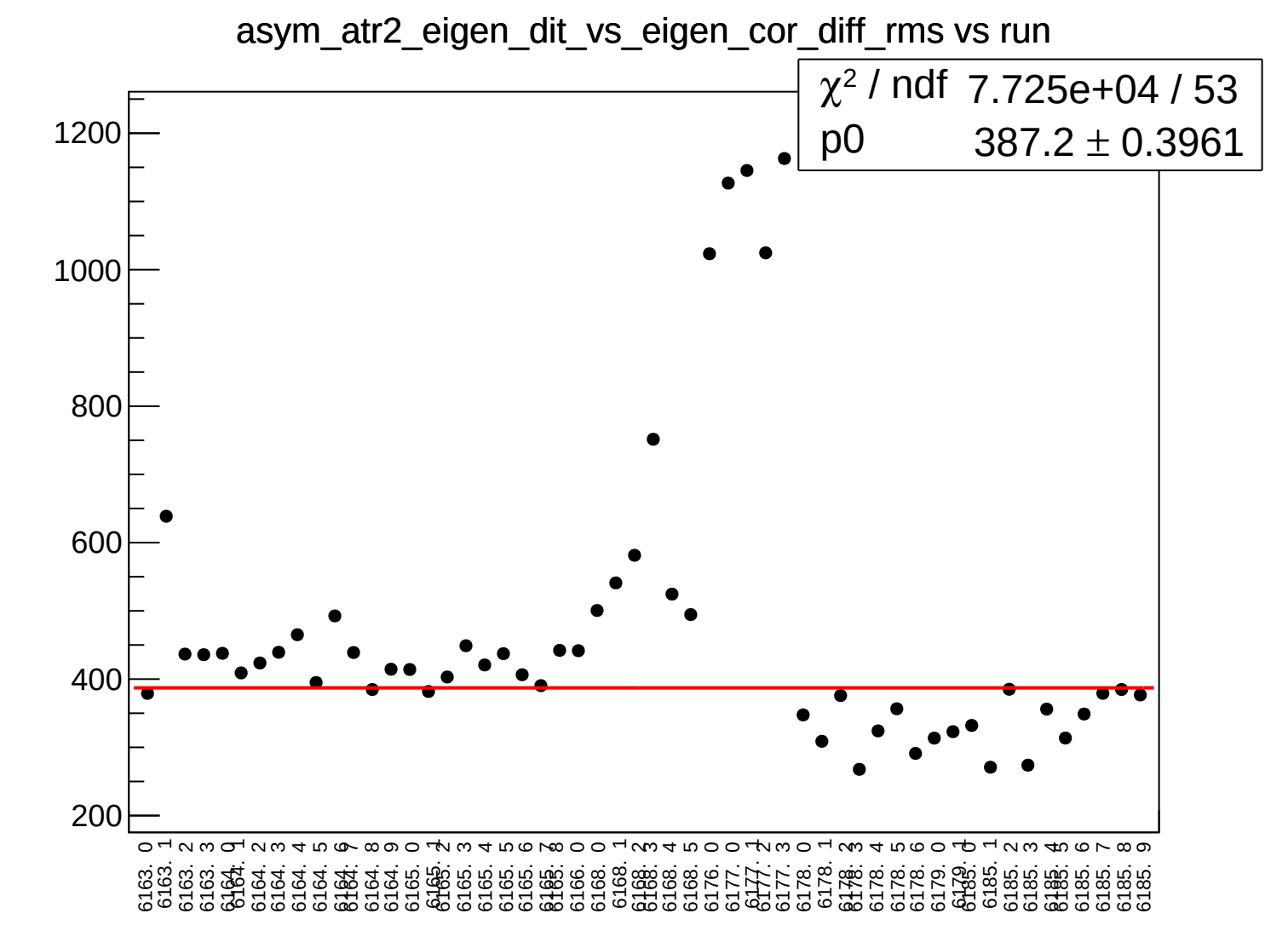

asym_atr2_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 9.702e+04 / 53
p0 0.05366 ± 5.547e–05
0.1
0.09
0.08
0.07
0.06
0.05
0.04
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

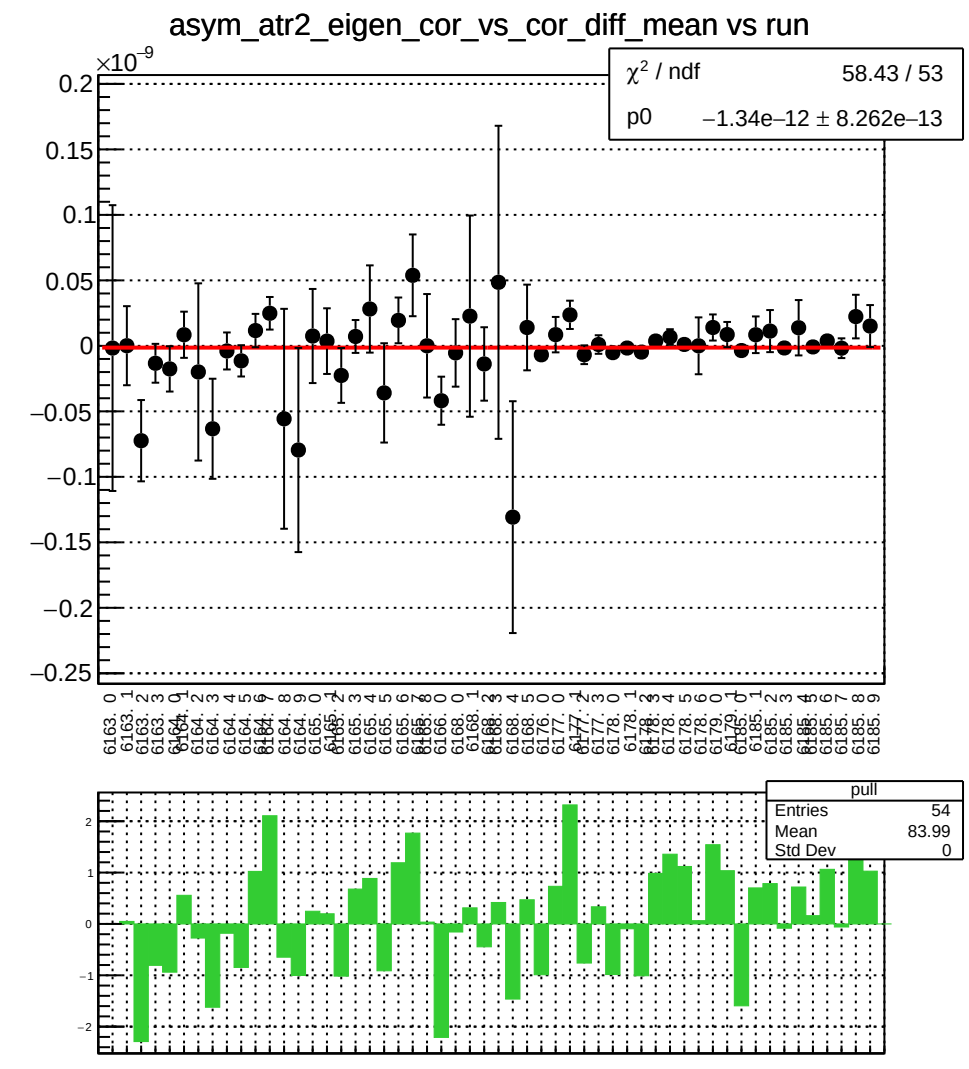

asym_atr2_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 57.59 / 53
p0 −0.623 ± 0.5601
pull
Entries 54
Mean −14.12
Std Dev 0
pull1D
Entries 54
Mean 0.03114
Std Dev 1.032

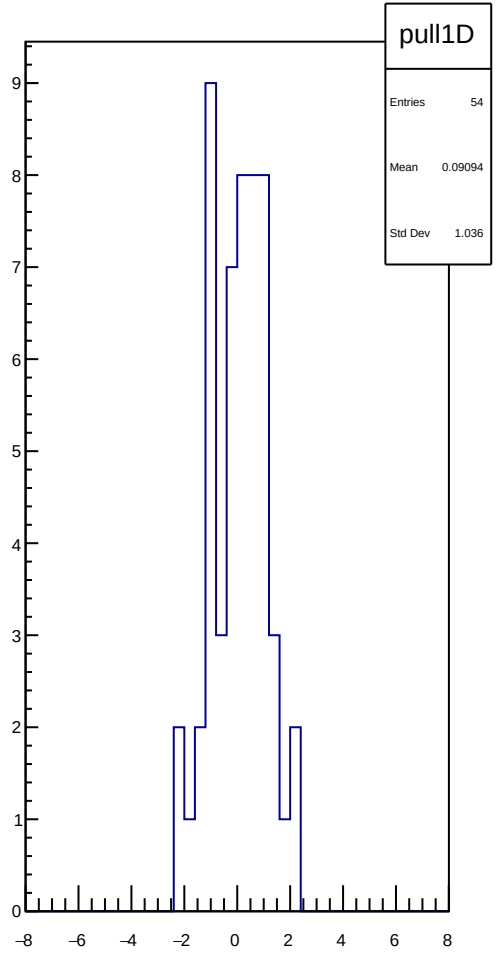

asym_atr2_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 7.725e+04 / 53
p0 387.2 ± 0.3961
1200
1000
800
600
400
200
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

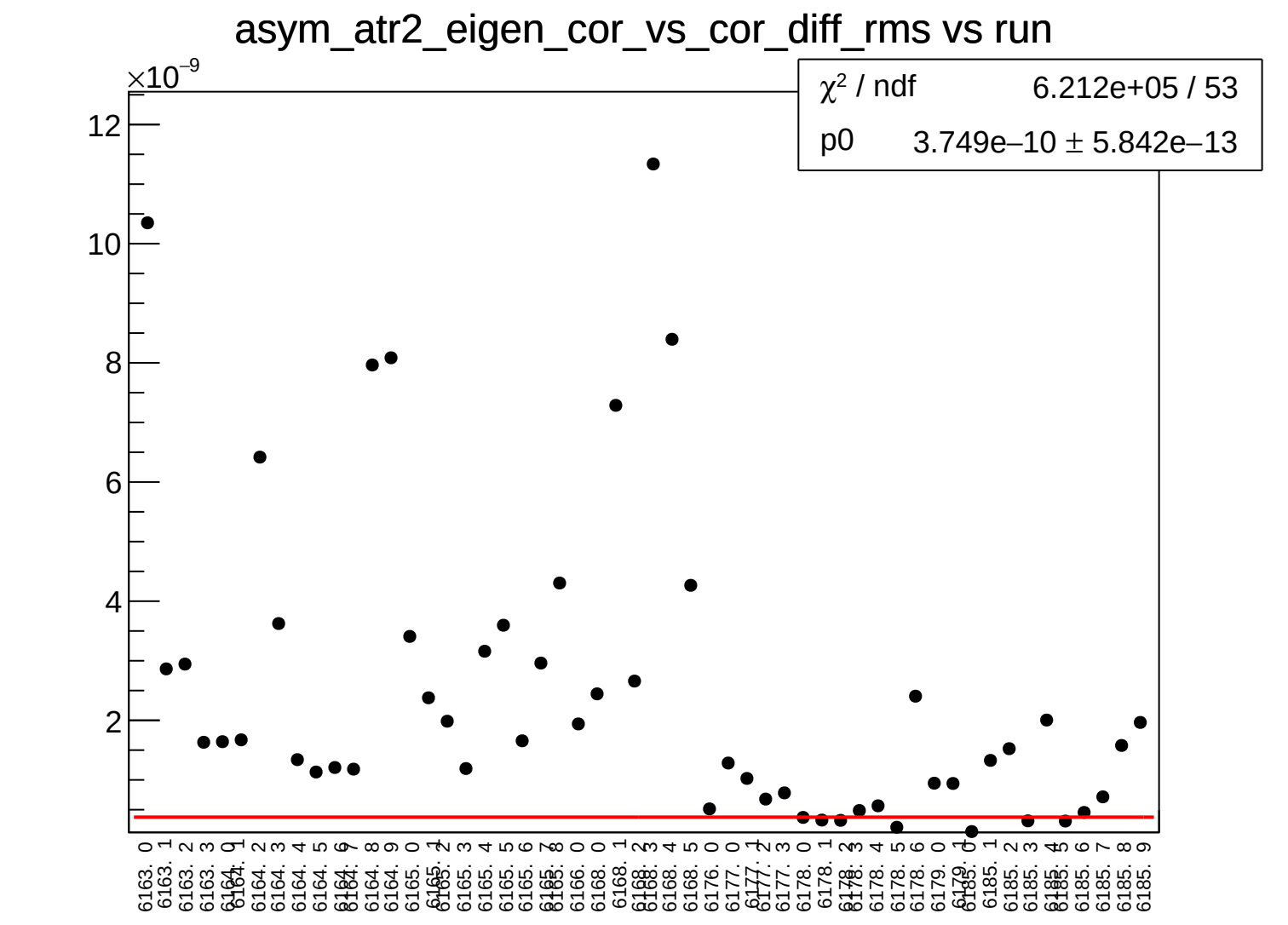

asym_atr2_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 57.59 / 53
p0 −0.623 ± 0.5601
pull
Entries 54
Mean −14.12
Std Dev 0

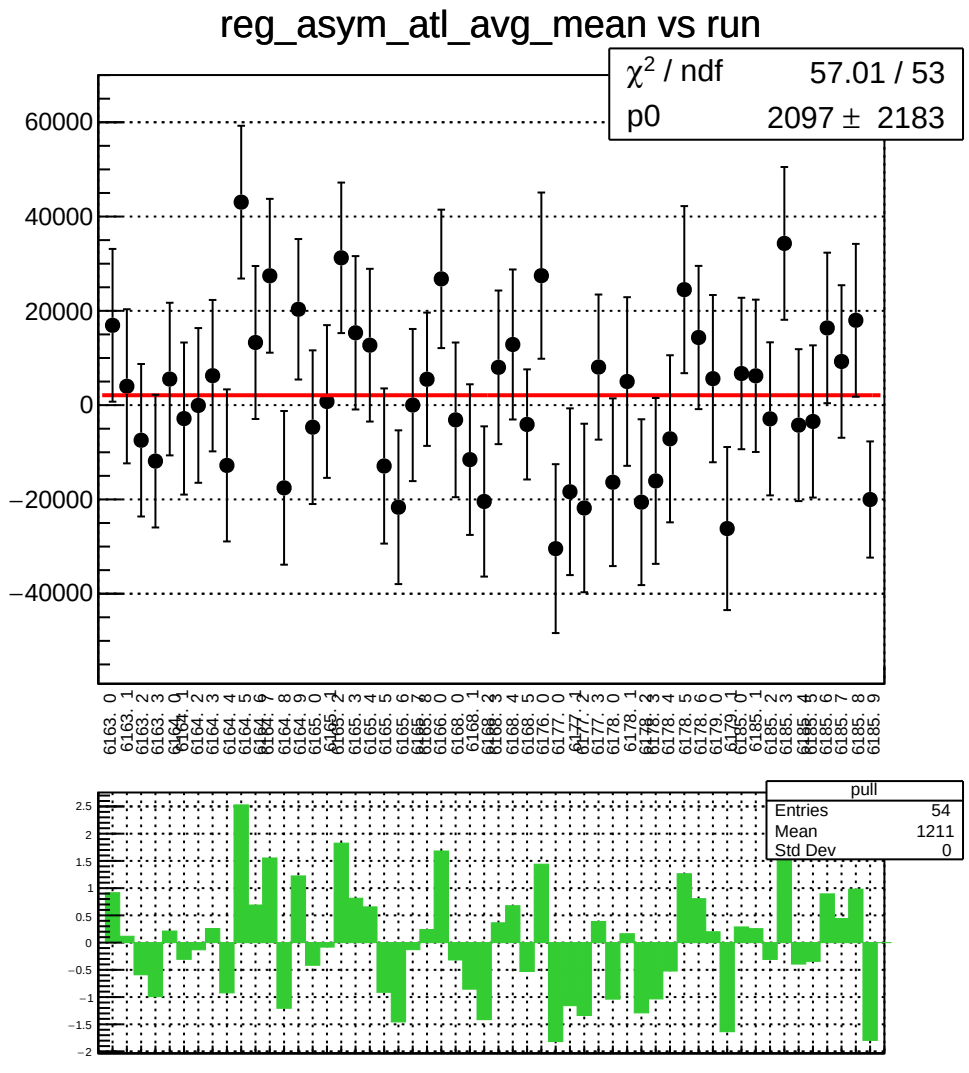

pull1D
Entries 54
Mean 0.03114
Std Dev 1.032

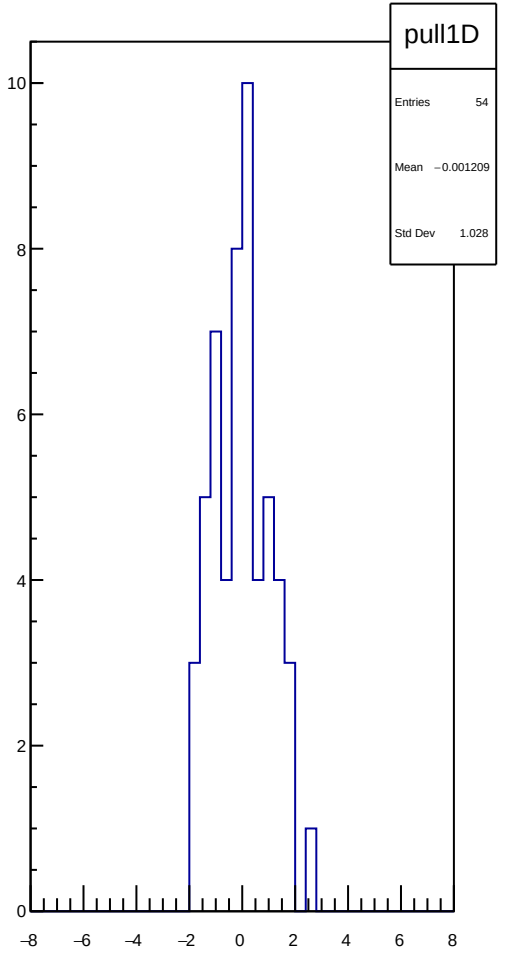

asym_atr2_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.725e+04 / 53
p0 387.2 ± 0.3961
1200
1000
800
600
400
200
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

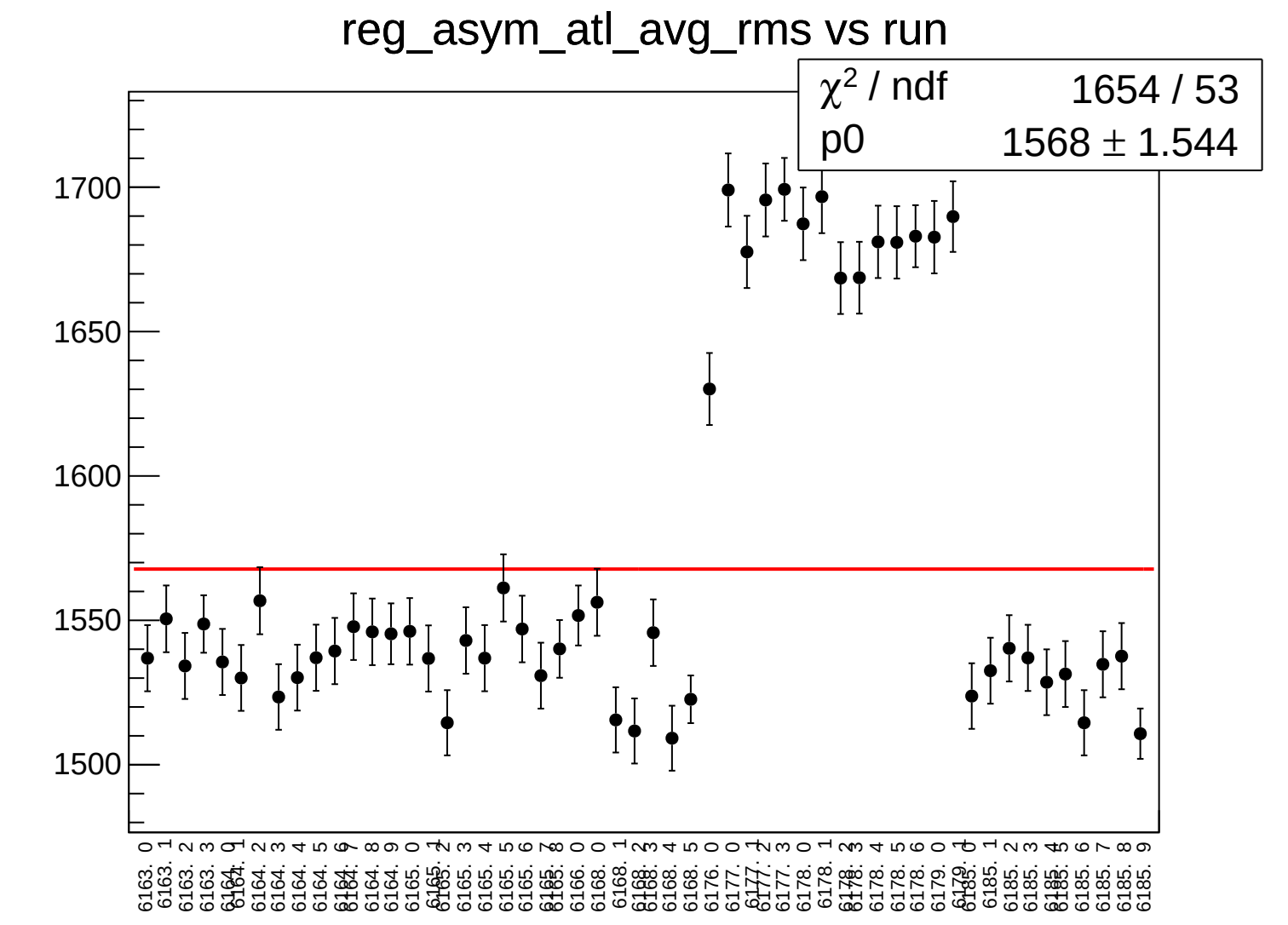

asym_atr2_eigen_cor_vs_cor_diff_mean vs run
×10⁻⁹
χ² / ndf 58.43 / 53
p0 −1.34e−12 ± 8.262e−13
pull
Entries 54
Mean 83.99
Std Dev 0

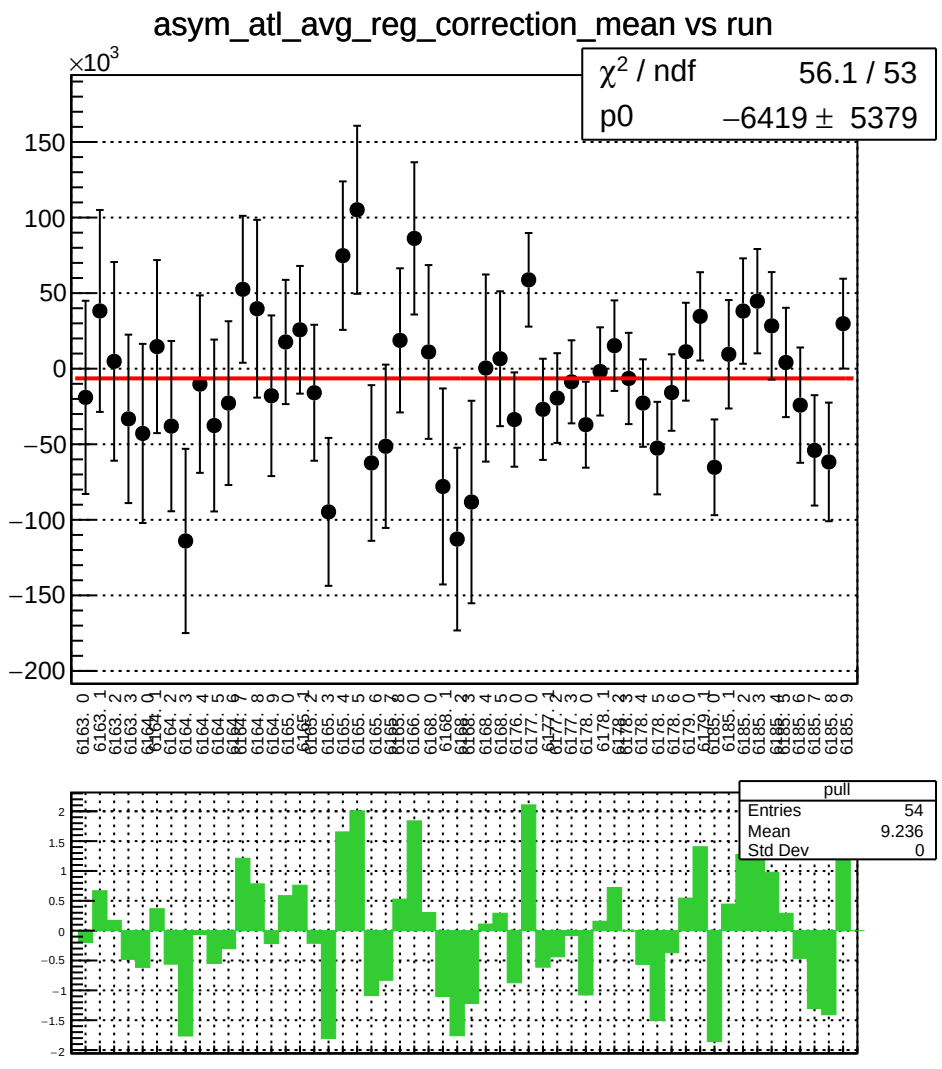

pull1D
Entries 54
Mean 0.09094
Std Dev 1.036

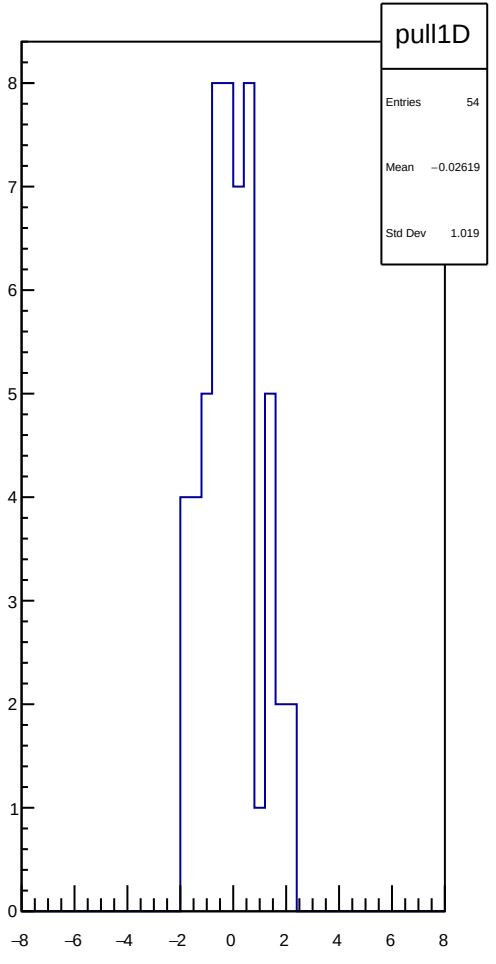

asym_atr2_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.212e+05 / 53
p0 3.749e−10 ± 5.842e−13
12
10
8
6
4
2
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

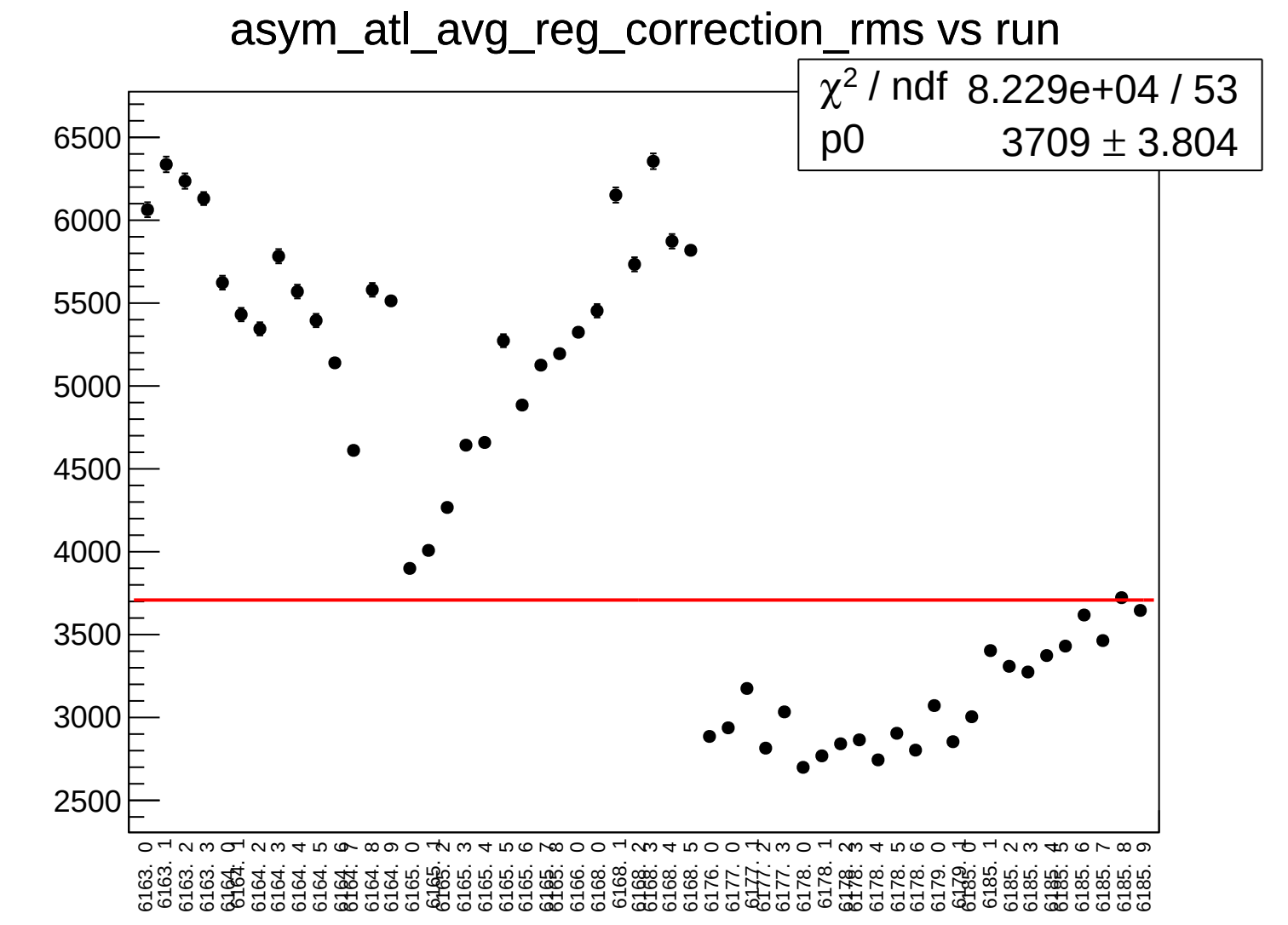

reg_asym_atl_avg_mean vs run
χ² / ndf 57.01 / 53
p0 2097 ± 2183
pull
Entries 54
Mean 1211
Std Dev 0

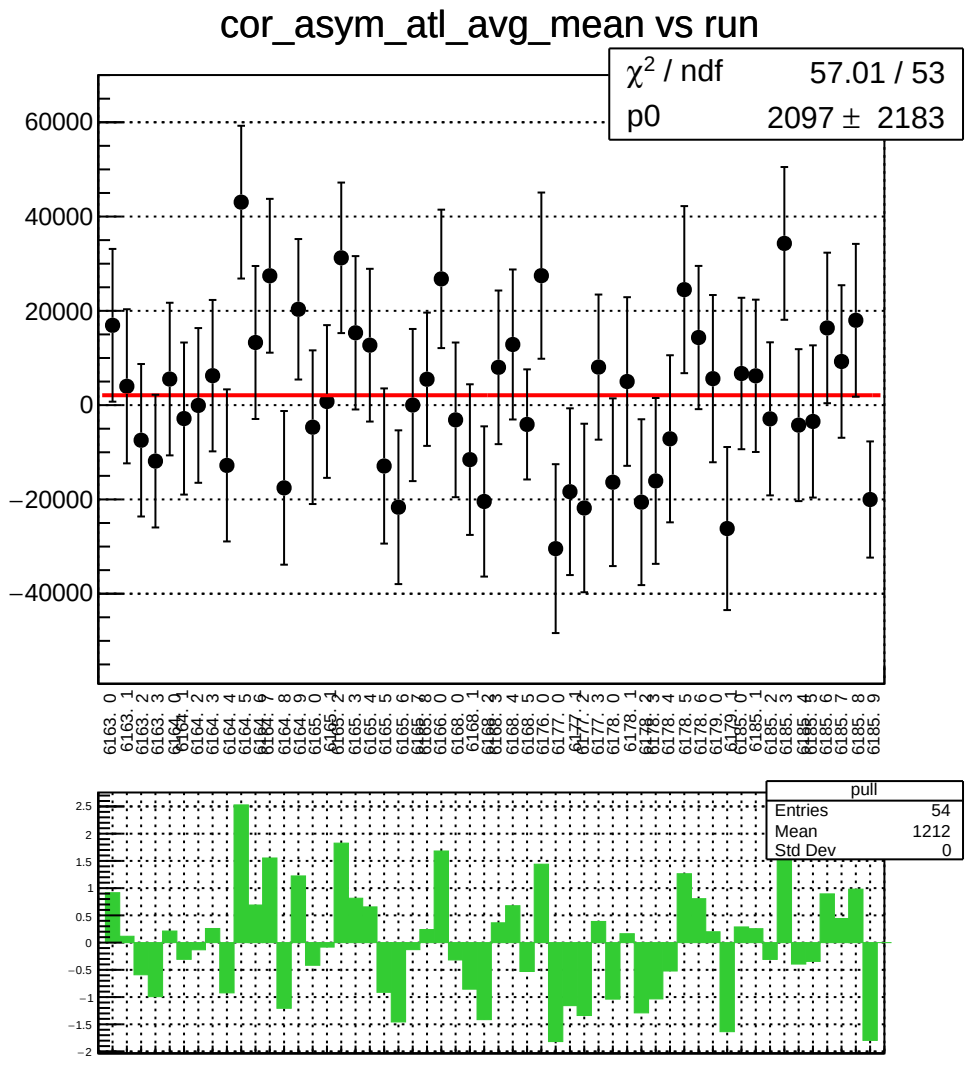

pull1D
Entries 54
Mean −0.001209
Std Dev 1.028

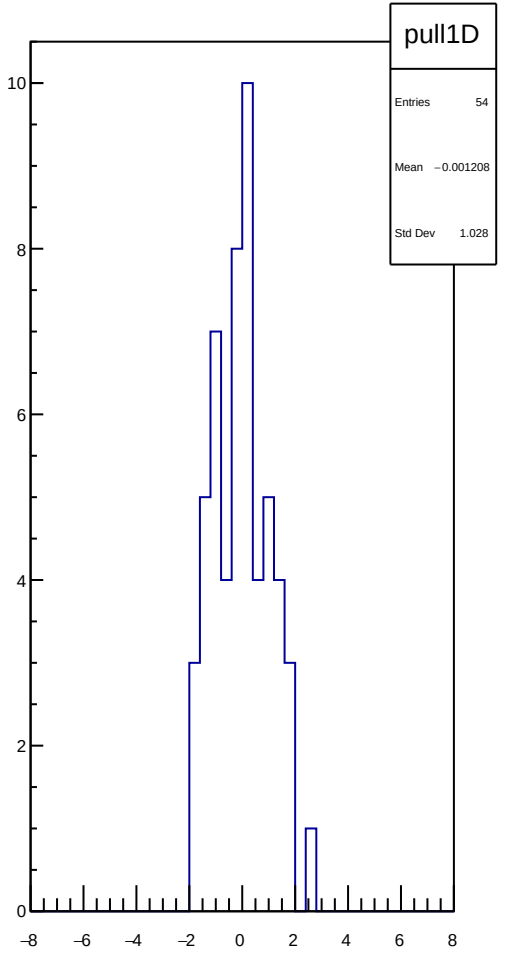

reg_asym_atl_avg_rms vs run
χ² / ndf 1654 / 53
p0 1568 ± 1.544
1700
1650
1600
1550
1500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

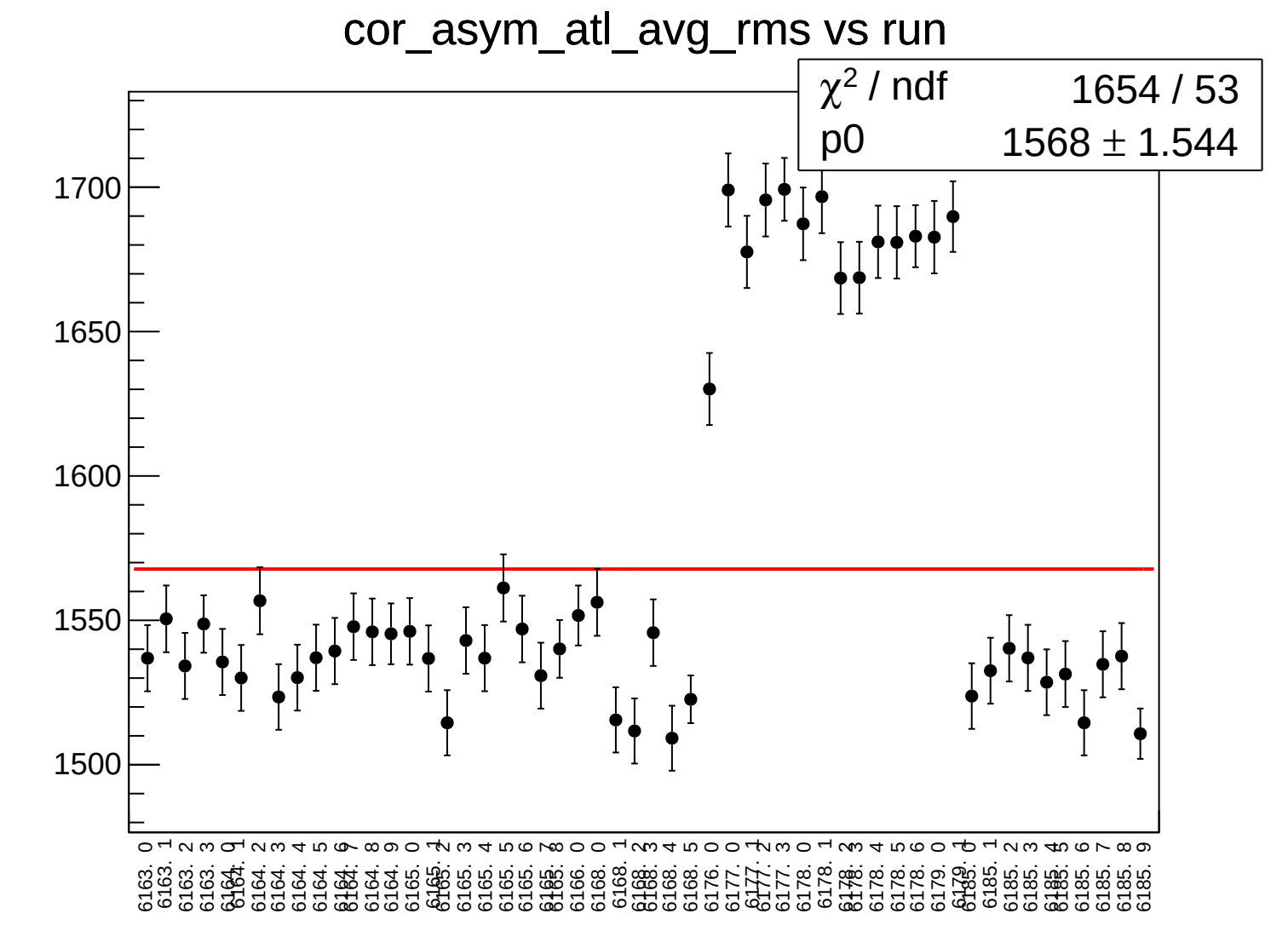

asym_atl_avg_reg_correction_mean vs run
×10^3
χ^2 / ndf 56.1 / 53
p0 −6419 ± 5379
150
100
50
0
−50
−100
−150
−200
pull
Entries 54
Mean 9.236
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

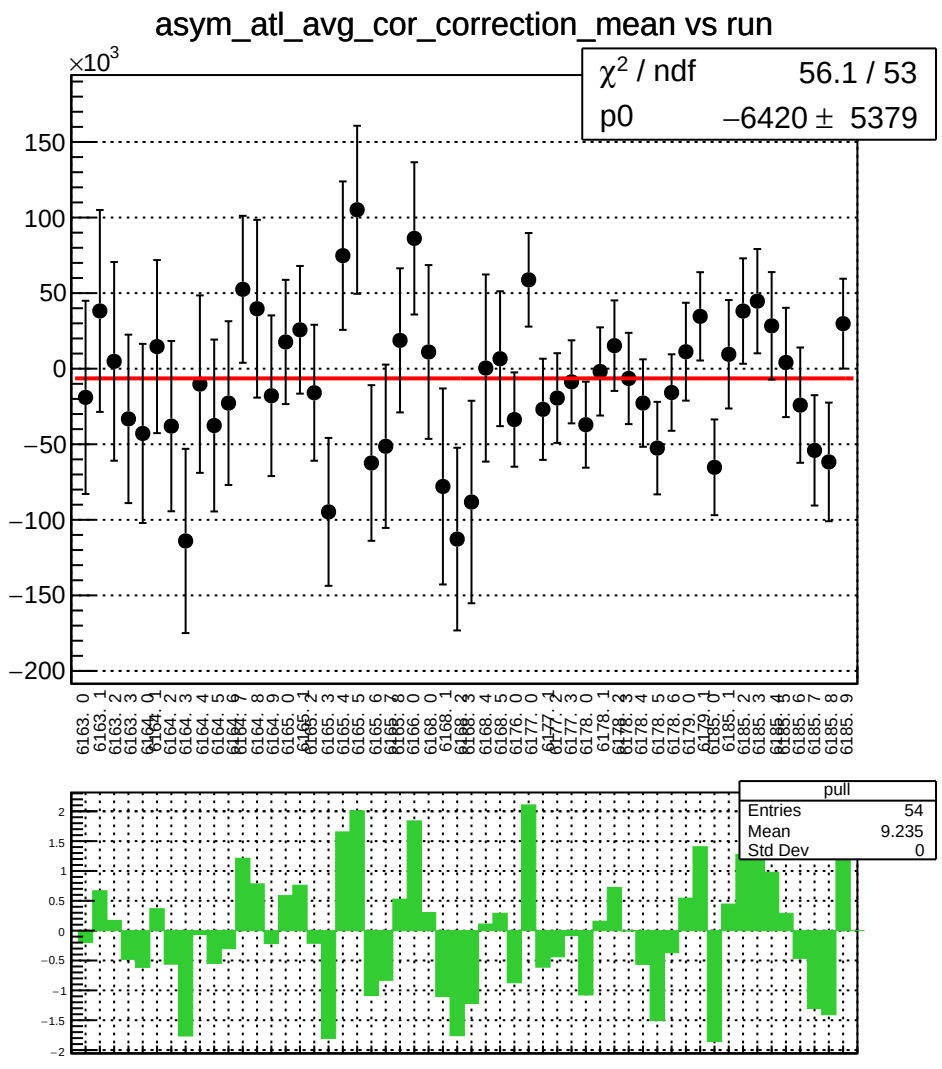

pull1D
Entries 54
Mean −0.02619
Std Dev 1.019
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

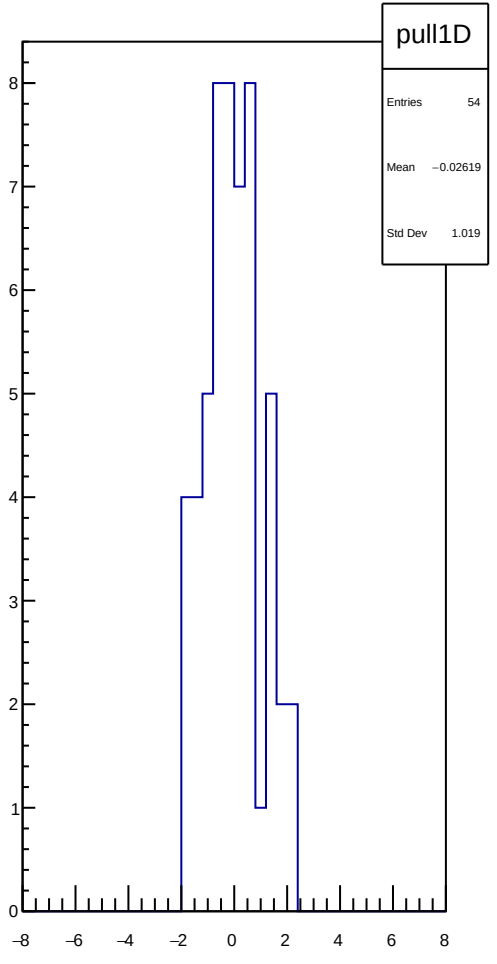

asym_atl_avg_reg_correction_rms vs run
χ² / ndf 8.229e+04 / 53
p0 3709 ± 3.804
6500
6000
5500
5000
4500
4000
3500
3000
2500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

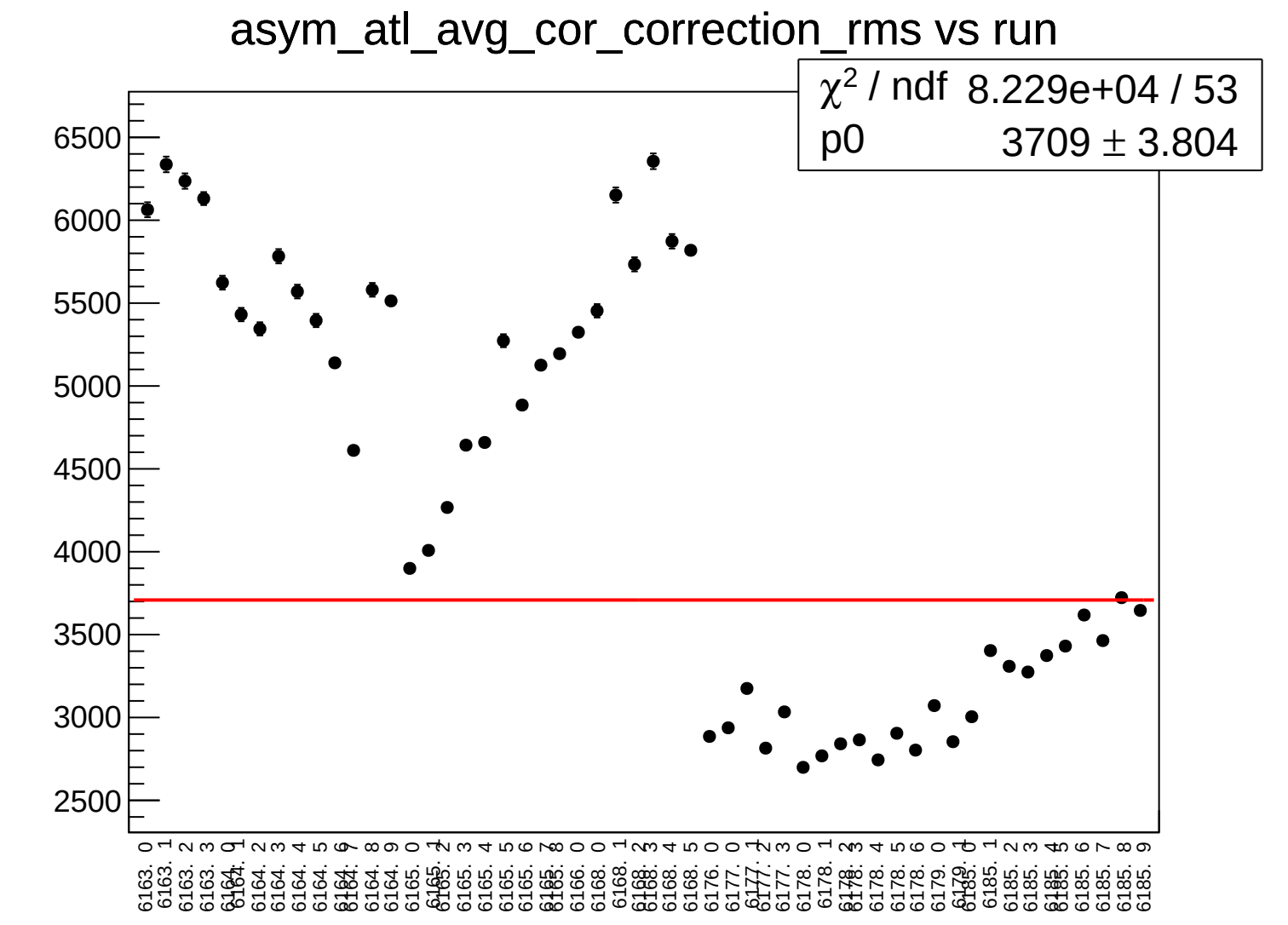

cor_asym_atl_avg_mean vs run
χ² / ndf 57.01 / 53
p0 2097 ± 2183
60000
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 1212
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

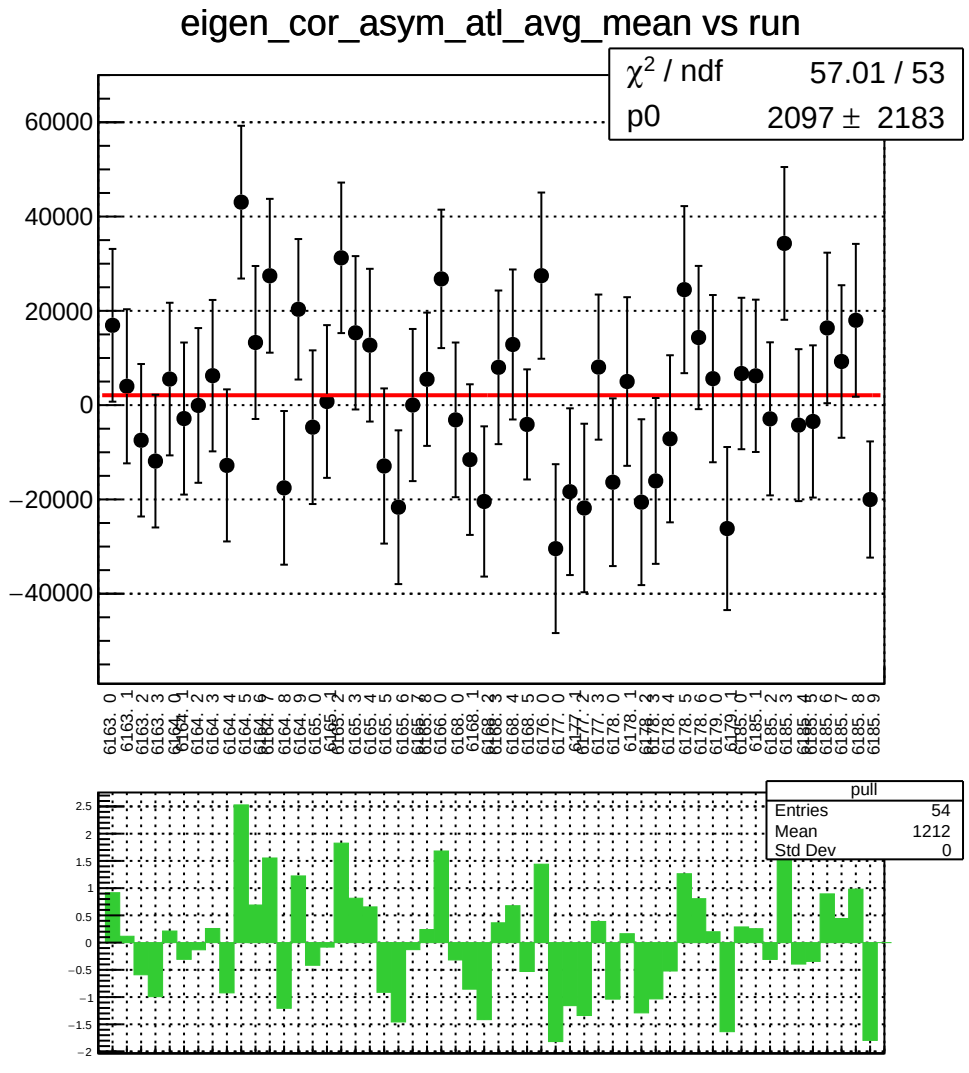

pull1D
Entries 54
Mean −0.001208
Std Dev 1.028
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

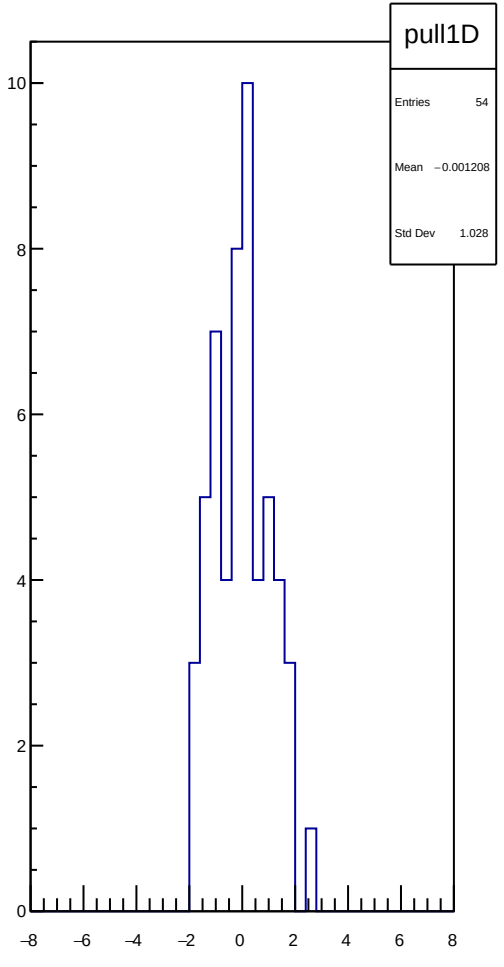

cor_asym_atl_avg_rms vs run
χ² / ndf 1654 / 53
p0 1568 ± 1.544
1700
1650
1600
1550
1500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

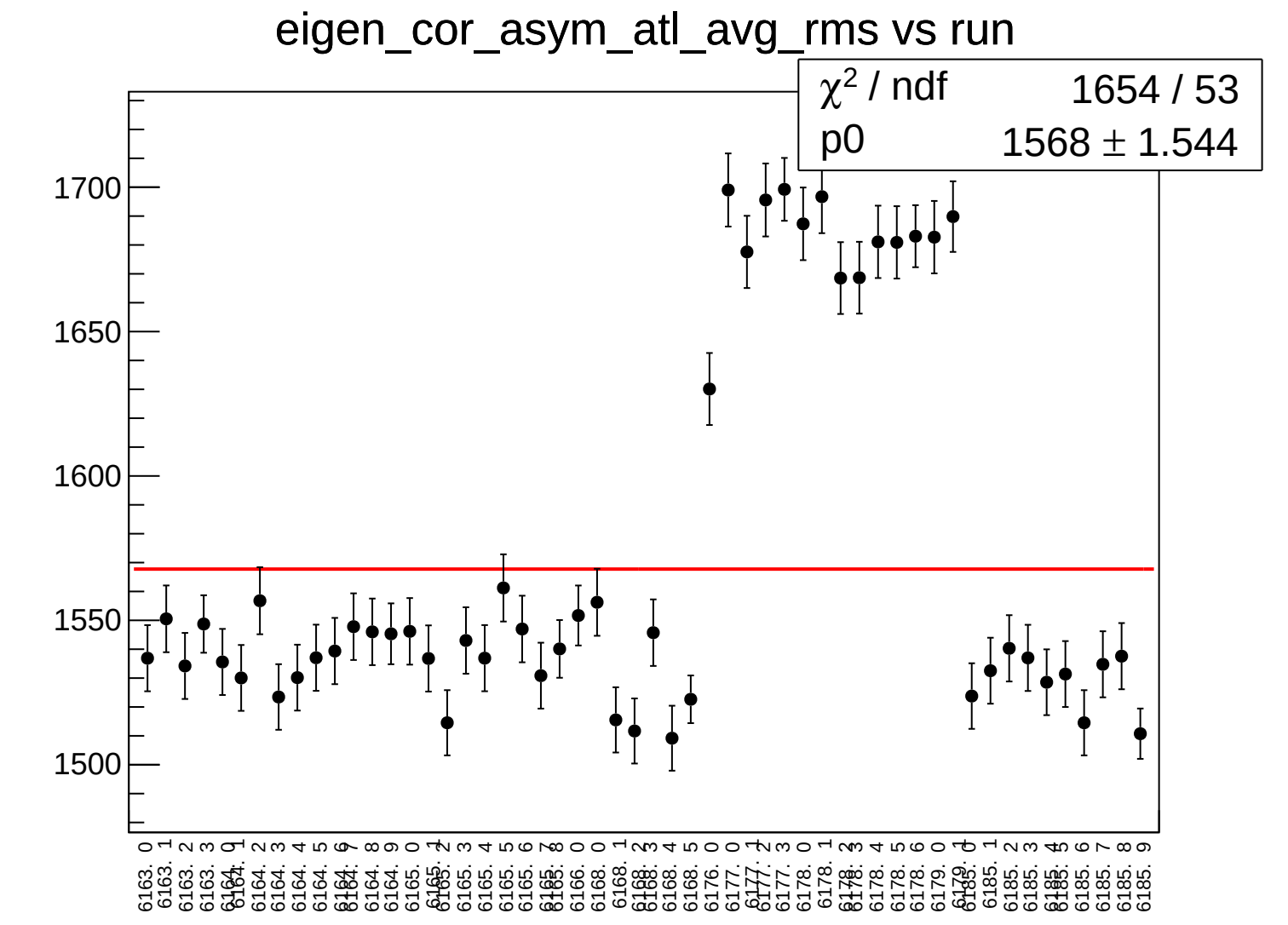

asym_atl_avg_cor_correction_mean vs run
×10^3
χ² / ndf 56.1 / 53
p0 −6420 ± 5379
150
100
50
0
−50
−100
−150
−200
pull
Entries 54
Mean 9.235
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

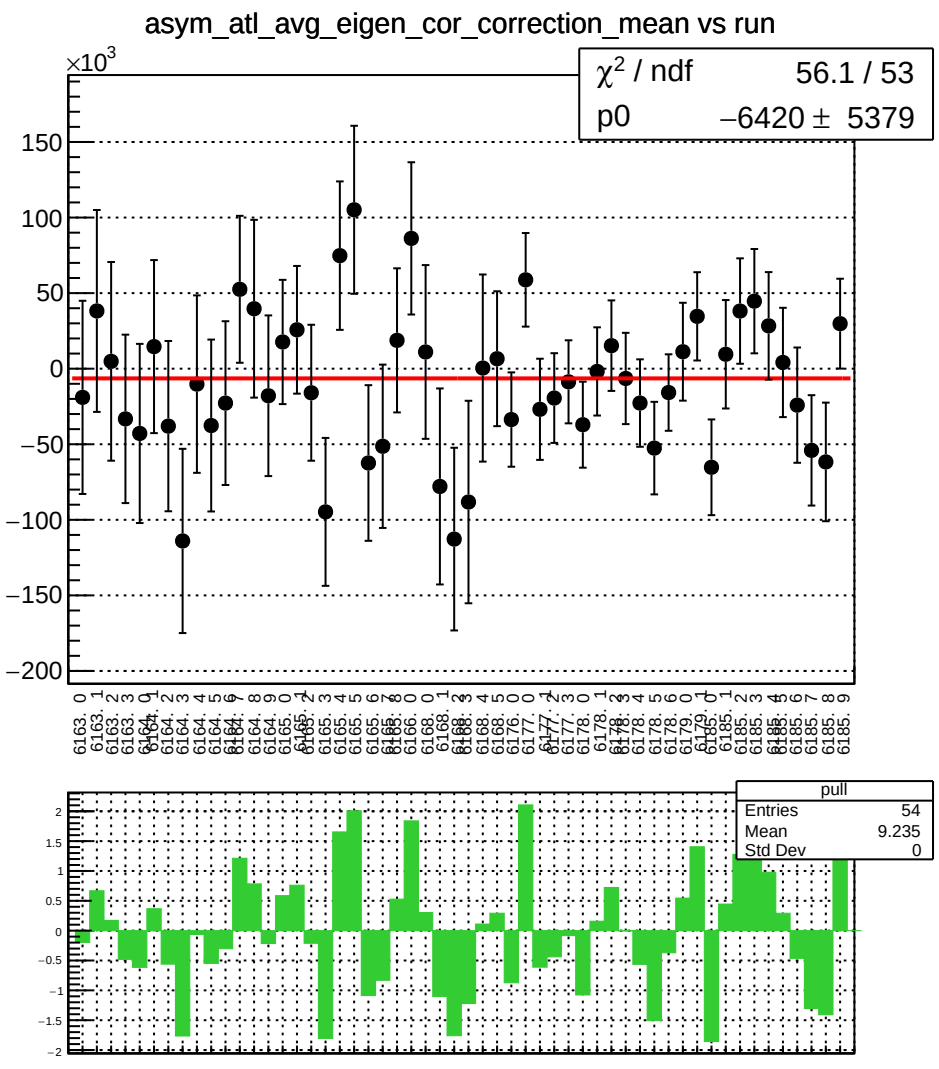

pull1D
Entries 54
Mean −0.02619
Std Dev 1.019
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

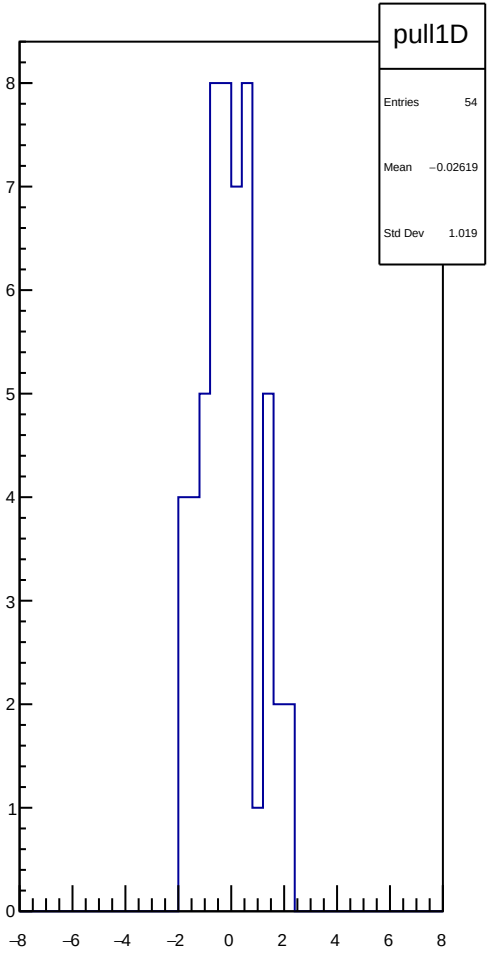

asym_atl_avg_cor_correction_rms vs run
χ² / ndf 8.229e+04 / 53
p0 3709 ± 3.804
6500
6000
5500
5000
4500
4000
3500
3000
2500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

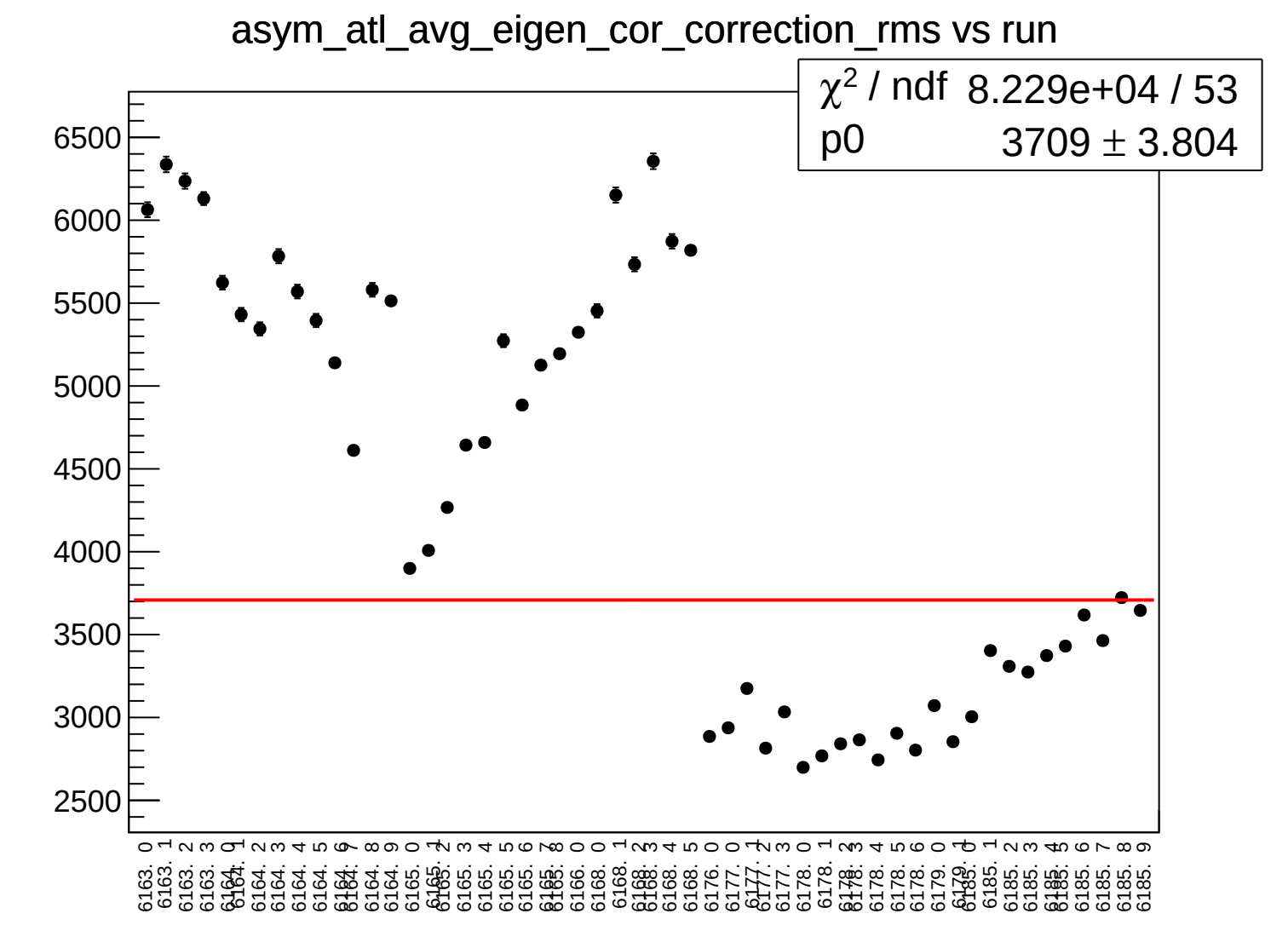

eigen_cor_asym_atl_avg_mean vs run
χ² / ndf 57.01 / 53
p0 2097 ± 2183
60000
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 1212
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 54
Mean −0.001208
Std Dev 1.028
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 1654 / 53
p0 1568 ± 1.544
1700
1650
1600
1550
1500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


asym_atl_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 56.1 / 53
p0 −6420 ± 5379
150
100
50
0
−50
−100
−150
−200
pull
Entries 54
Mean 9.235
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 54
Mean −0.02619
Std Dev 1.019
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl_avg_eigen_cor_correction_rms vs run
χ² / ndf 8.229e+04 / 53
p0 3709 ± 3.804
6500
6000
5500
5000
4500
4000
3500
3000
2500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
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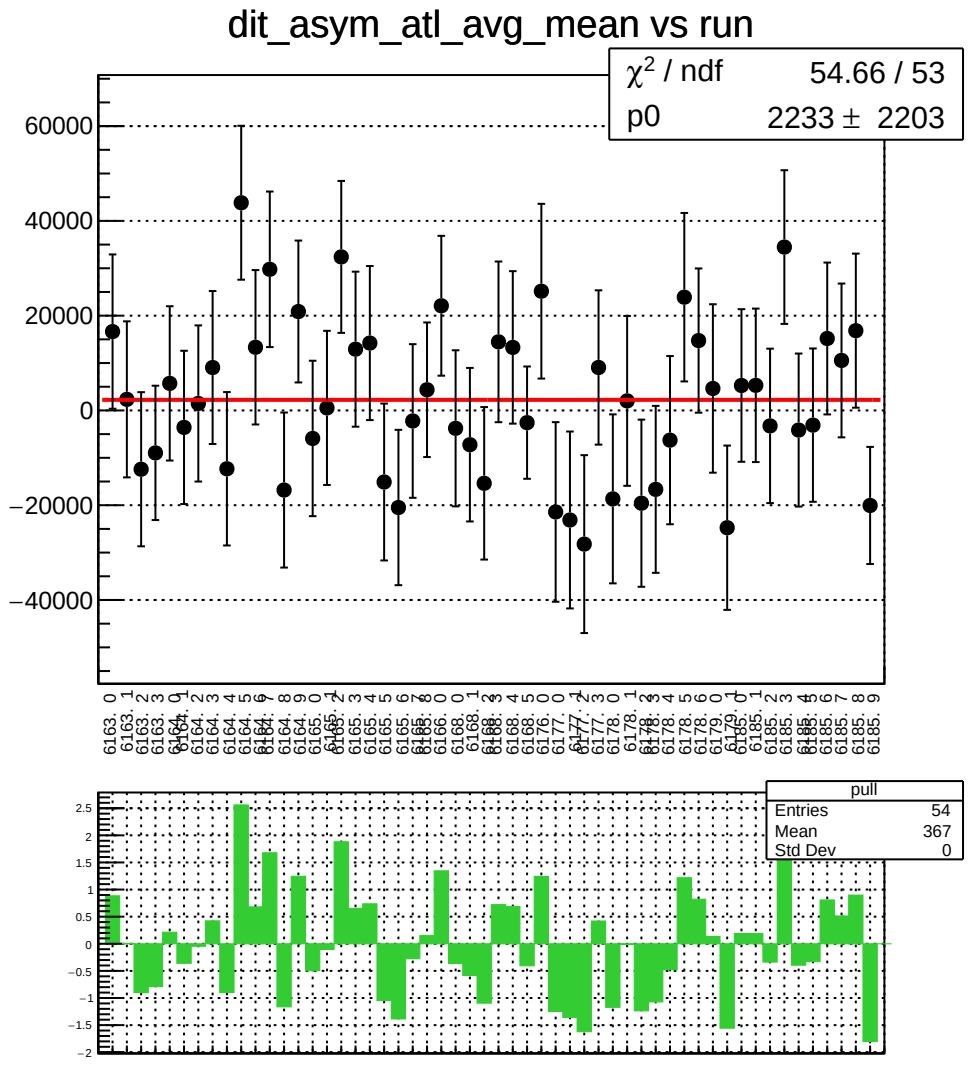
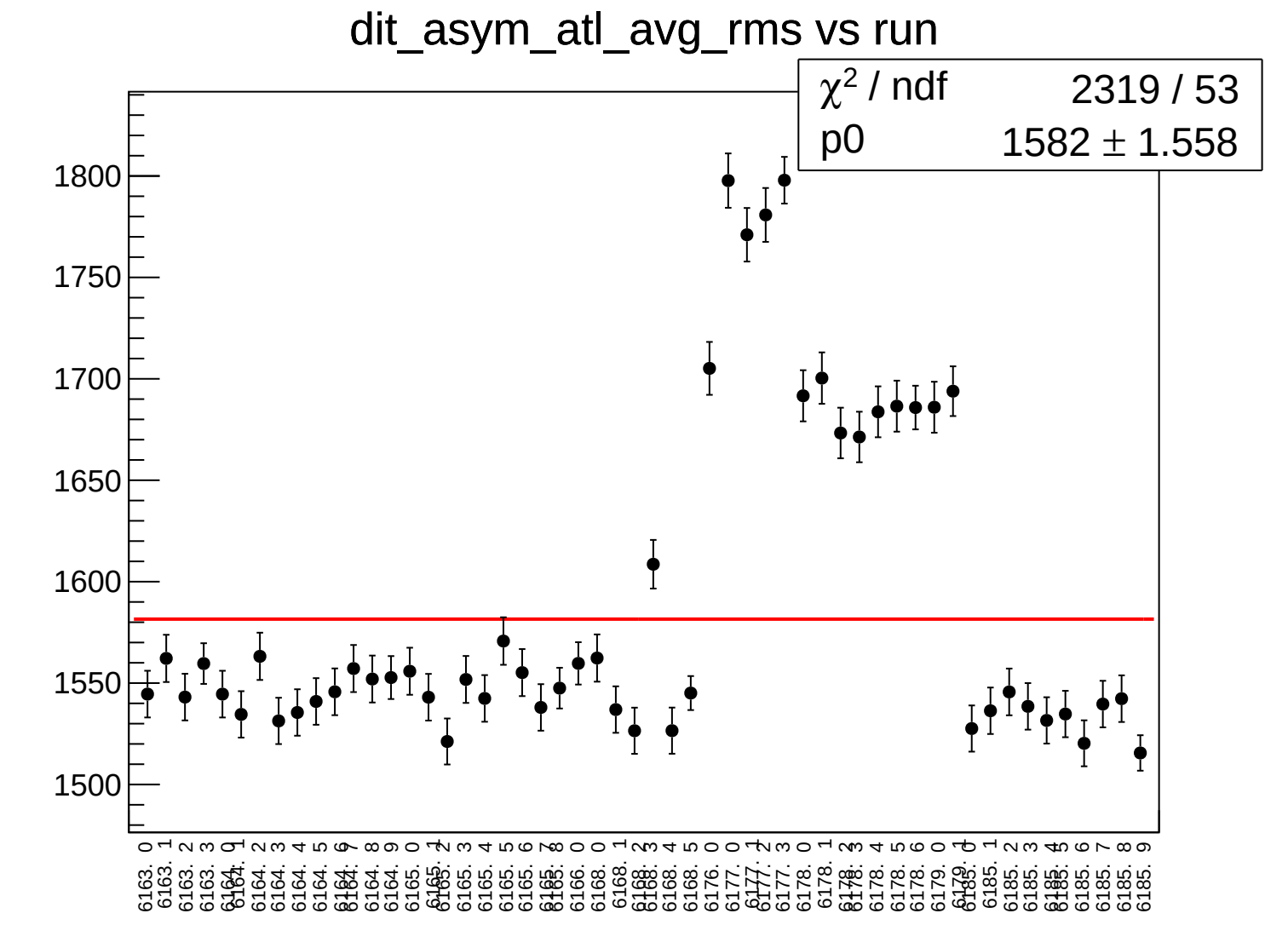
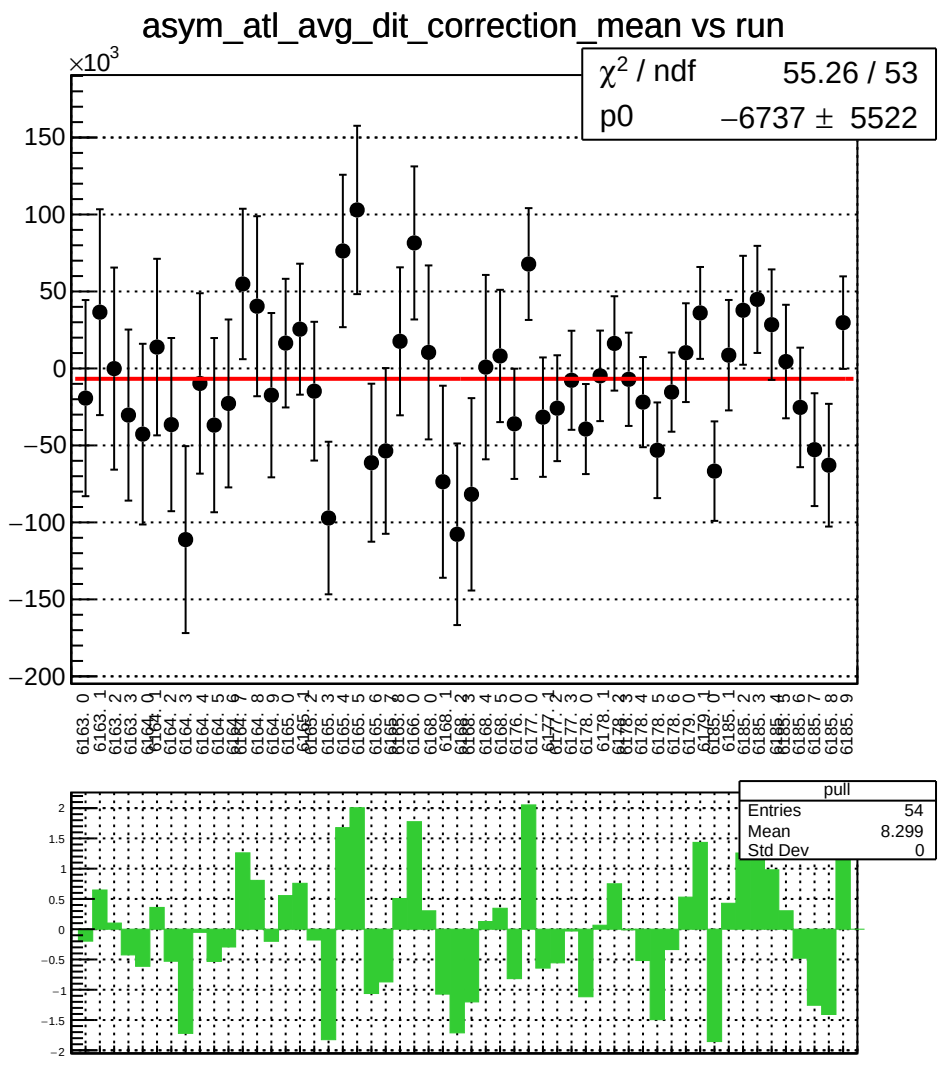
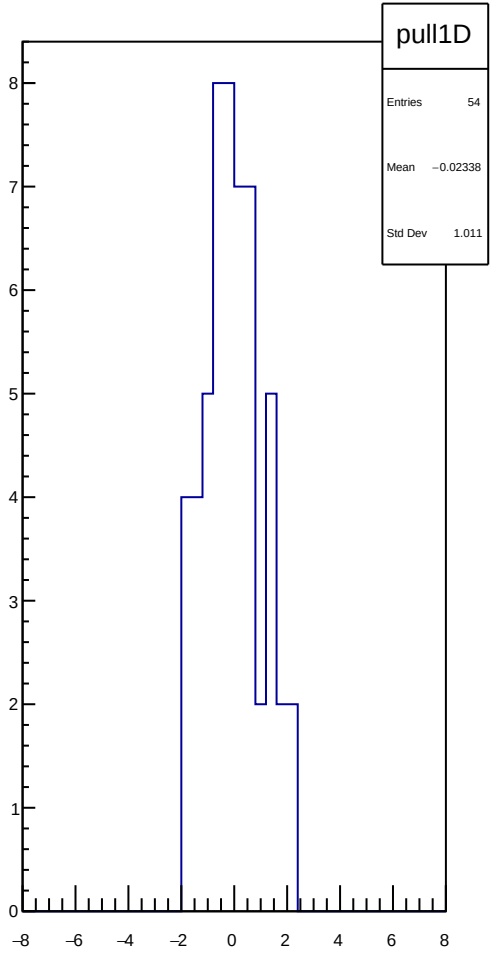
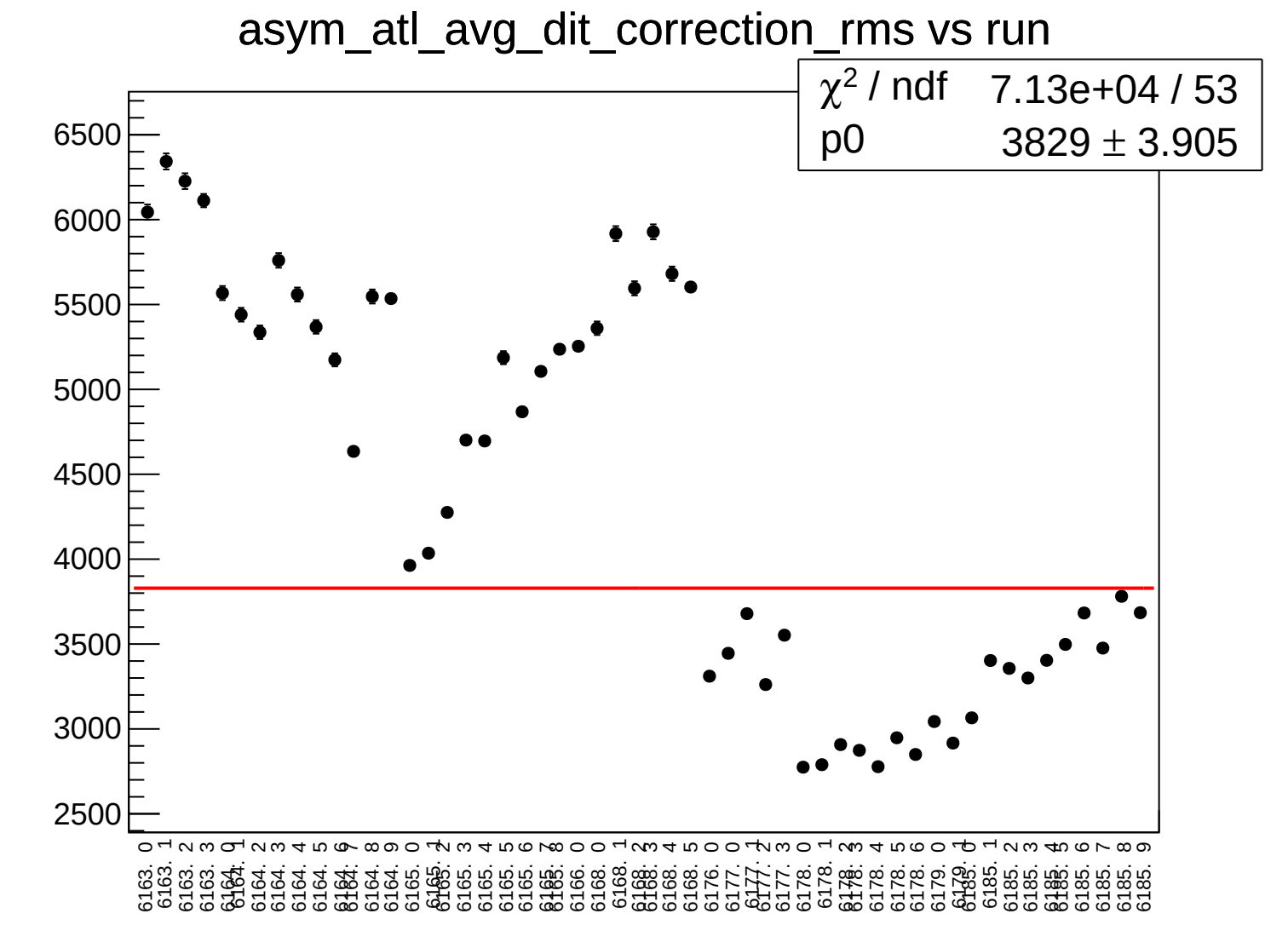
6185. 8
6185. 9

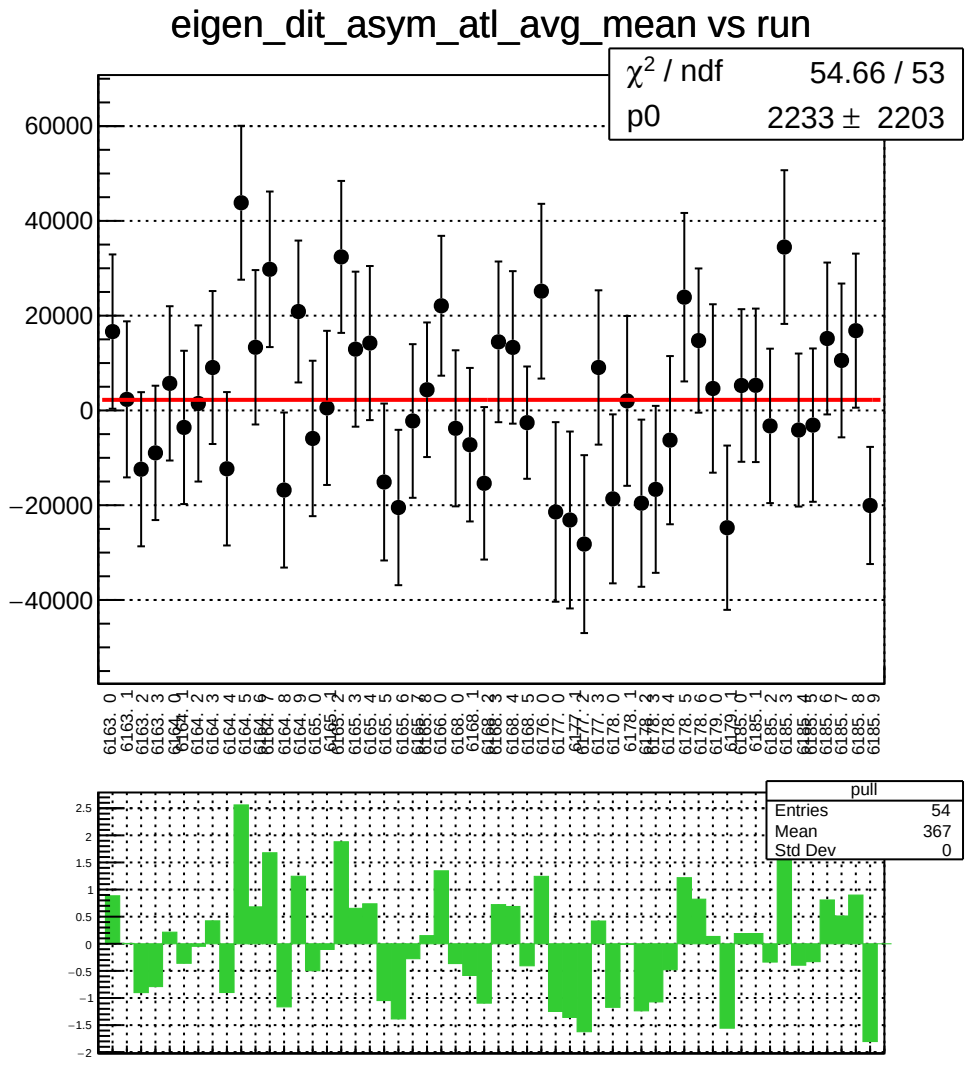

dit_asym_atl_avg_mean vs run
χ² / ndf 54.66 / 53
p0 2233 ± 2203
60000
40000
20000
0
−20000
−40000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 0
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 6
6164. 7
6164. 8
6164. 9
6165. 0
6165. 1
6165. 2
6165. 3
6165. 4
6165. 5
6165. 6
6165. 7
6165. 8
6166. 0
6168. 0
6168. 1
6168. 2
6168. 3
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 2
6178. 3
6178. 4
6178. 5
6178. 6
6179. 0
6179. 1
6185. 1
6185. 2
6185. 3
6185. 4
6185. 5
6185. 6
6185. 7
6185. 8
6185. 9
pull
Entries 54
Mean 367
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 54
Mean −0.004513
Std Dev 1.006
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

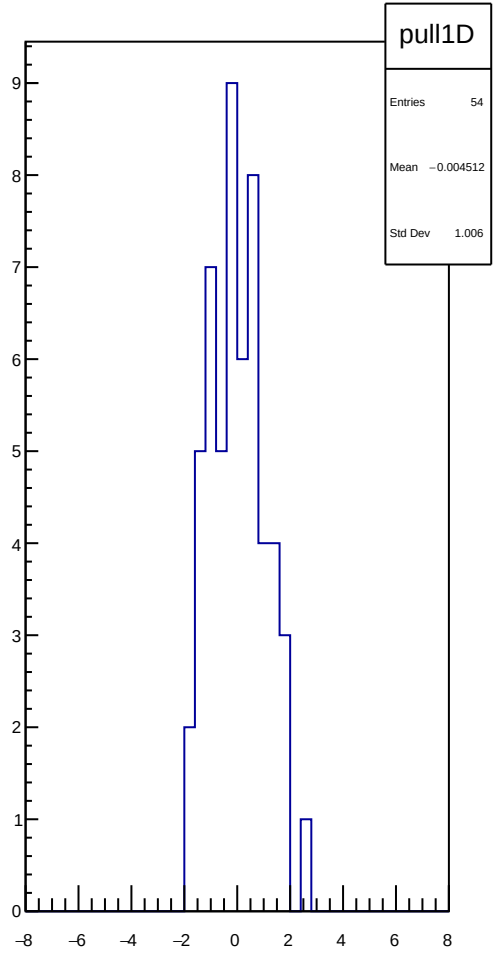

dit_asym_atl_avg_rms vs run
χ² / ndf 2319 / 53
p0 1582 ± 1.558
1800
1750
1700
1650
1600
1550
1500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

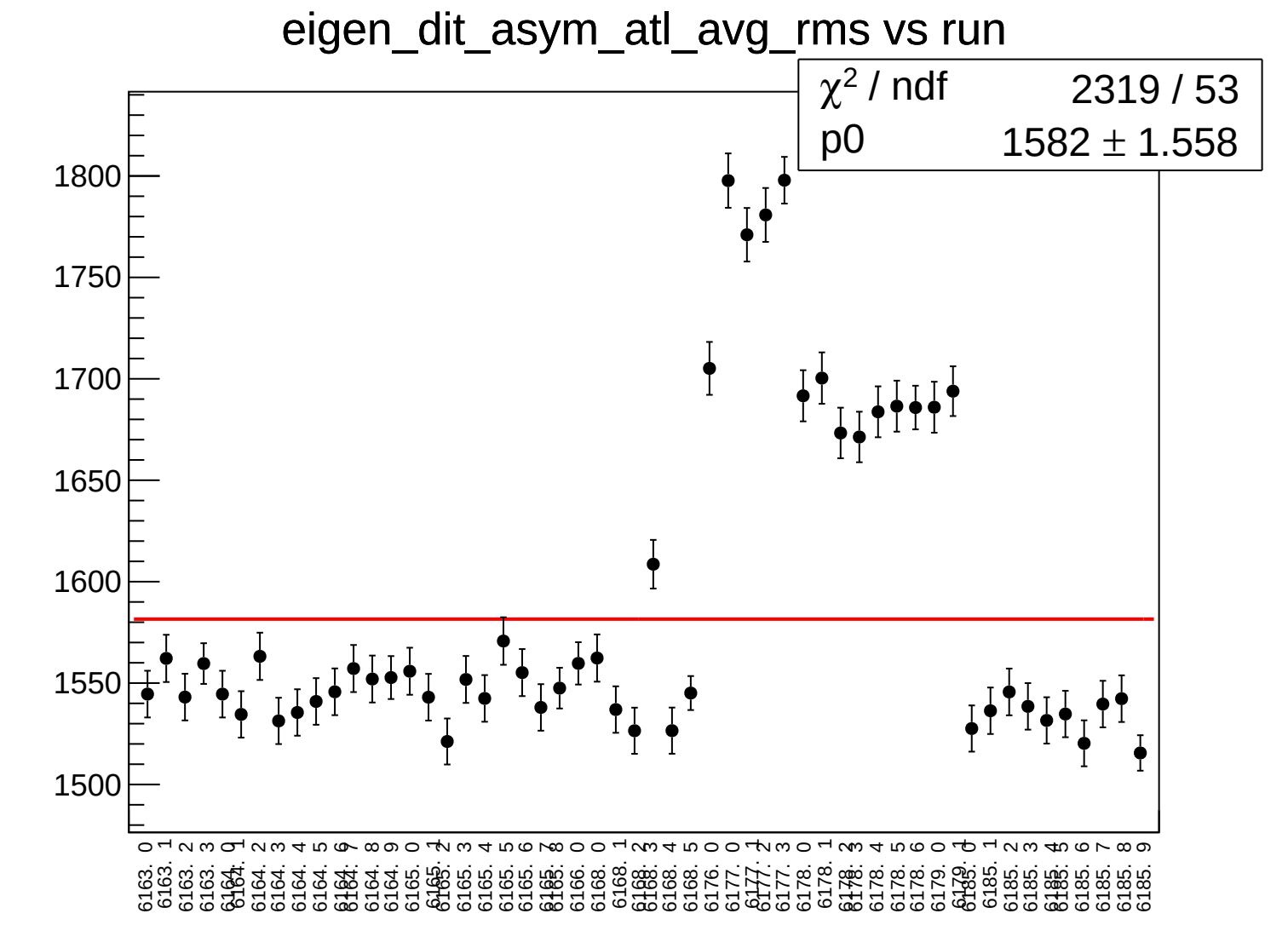

asym_atl_avg_dit_correction_mean vs run
×10^3
χ² / ndf 55.26 / 53
p0 −6737 ± 5522
150
100
50
0
−50
−100
−150
−200
pull
Entries 54
Mean 8.299
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 54
Mean −0.02338
Std Dev 1.011
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl_avg_dit_correction_rms vs run
χ² / ndf 7.13e+04 / 53
p0 3829 ± 3.905
6500
6000
5500
5000
4500
4000
3500
3000
2500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


eigen_dit_asym_atl_avg_mean vs run
χ² / ndf 54.66 / 53
p0 2233 ± 2203
pull
Entries 54
Mean 367
Std Dev 0


pull1D
Entries 54
Mean −0.004512
Std Dev 1.006


eigen_dit_asym_atl_avg_rms vs run
χ² / ndf 2319 / 53
p0 1582 ± 1.558
1800
1750
1700
1650
1600
1550
1500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
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6179. 0
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6185. 2
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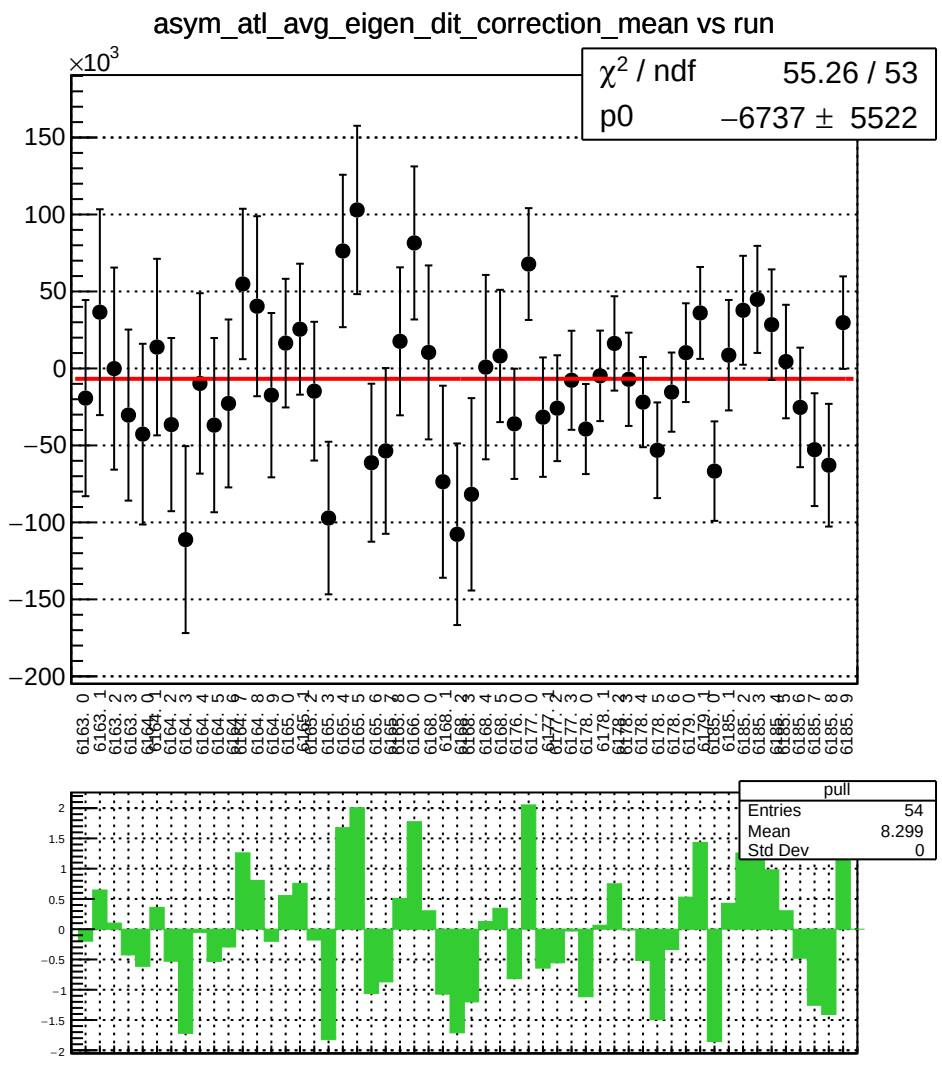
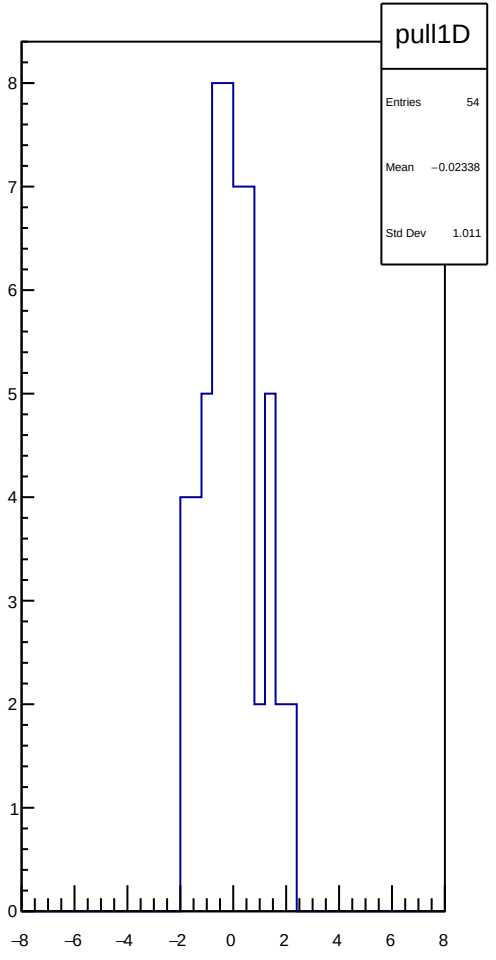
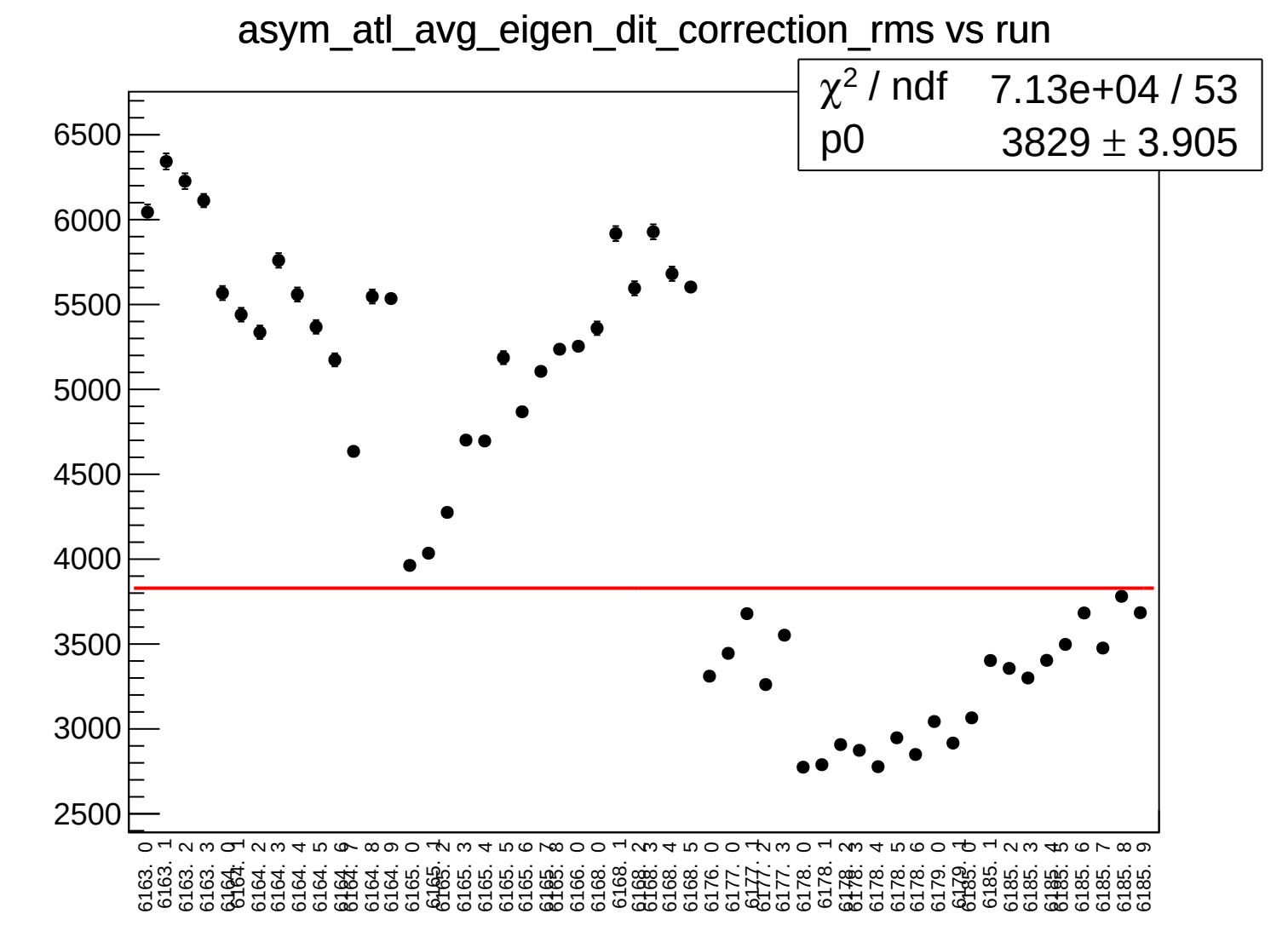
6185. 8
6185. 9


asym_atl_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 55.26 / 53
p0 −6737 ± 5522
150
100
50
0
−50
−100
−150
−200
pull
Entries 54
Mean 8.299
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 54
Mean −0.02338
Std Dev 1.011
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl_avg_eigen_dit_correction_rms vs run
χ² / ndf 7.13e+04 / 53
p0 3829 ± 3.905
6500
6000
5500
5000
4500
4000
3500
3000
2500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
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6179. 0
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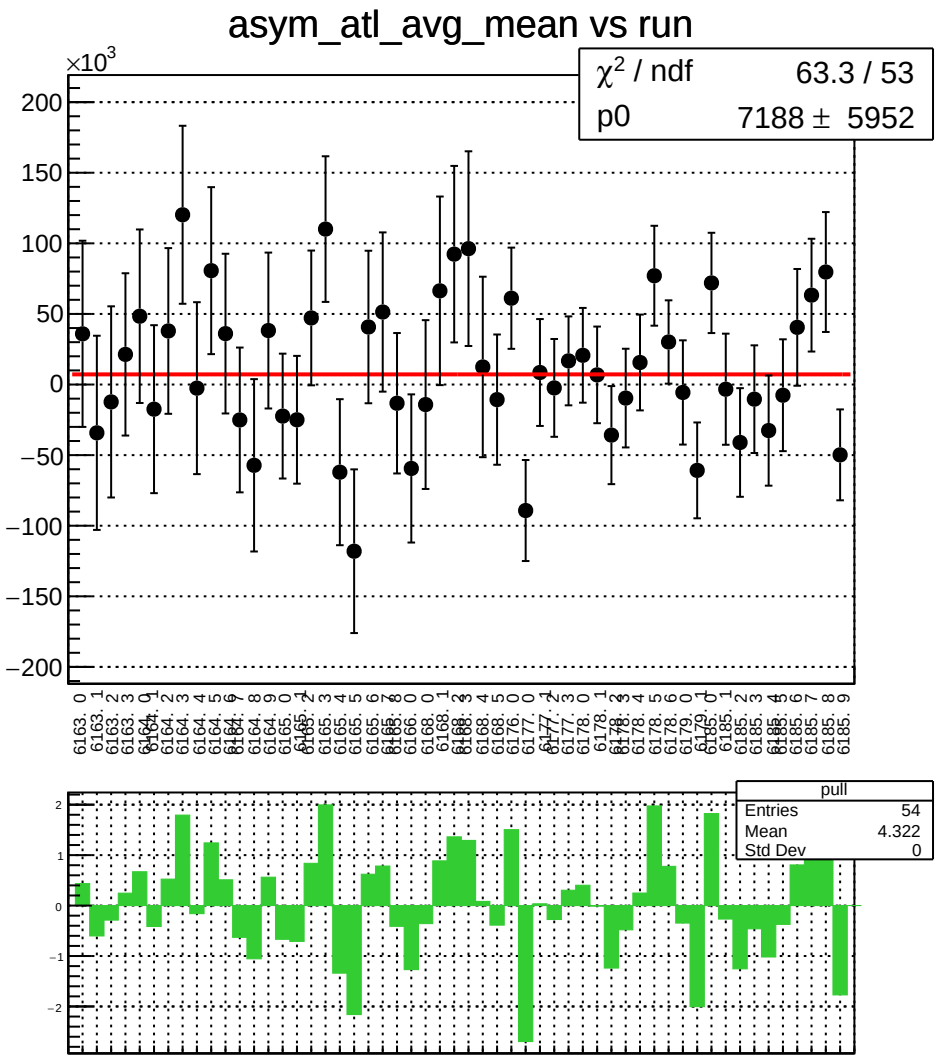
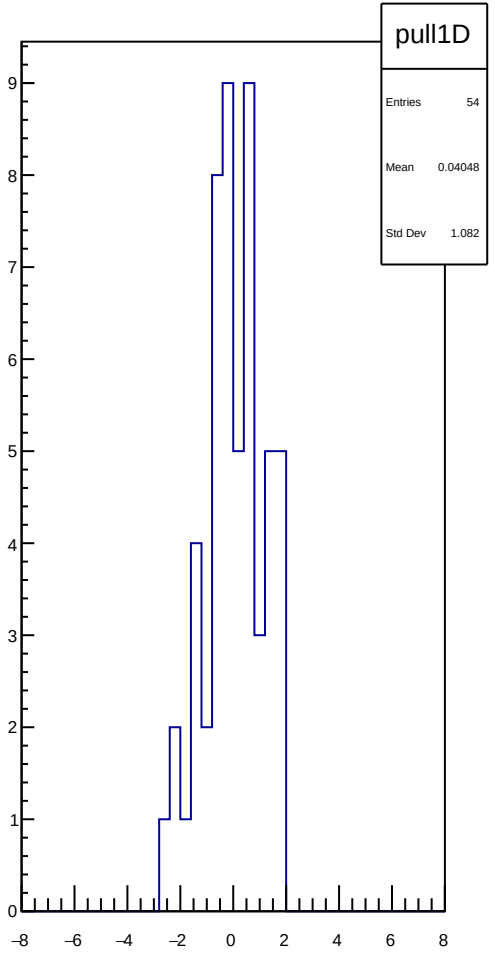
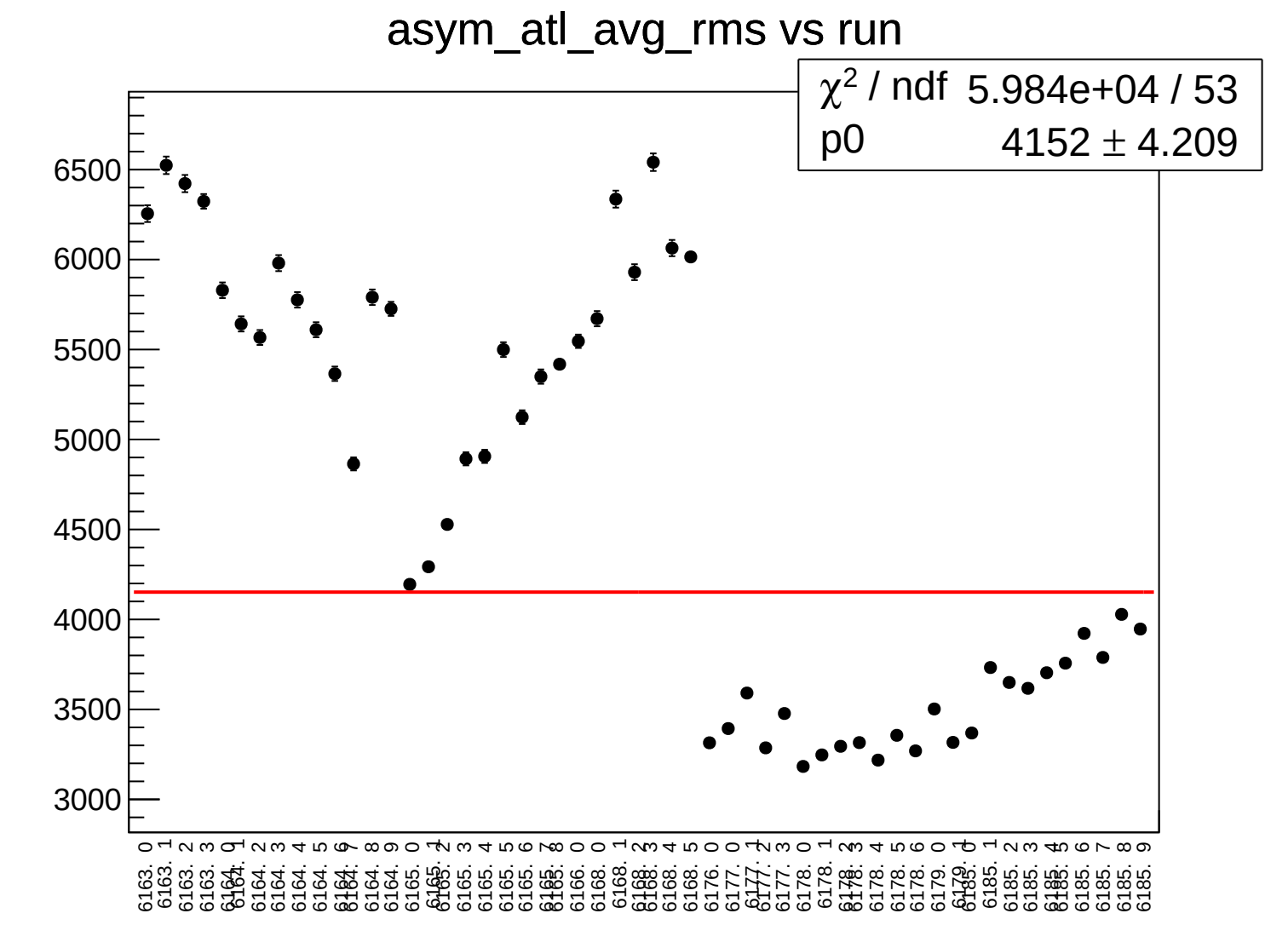
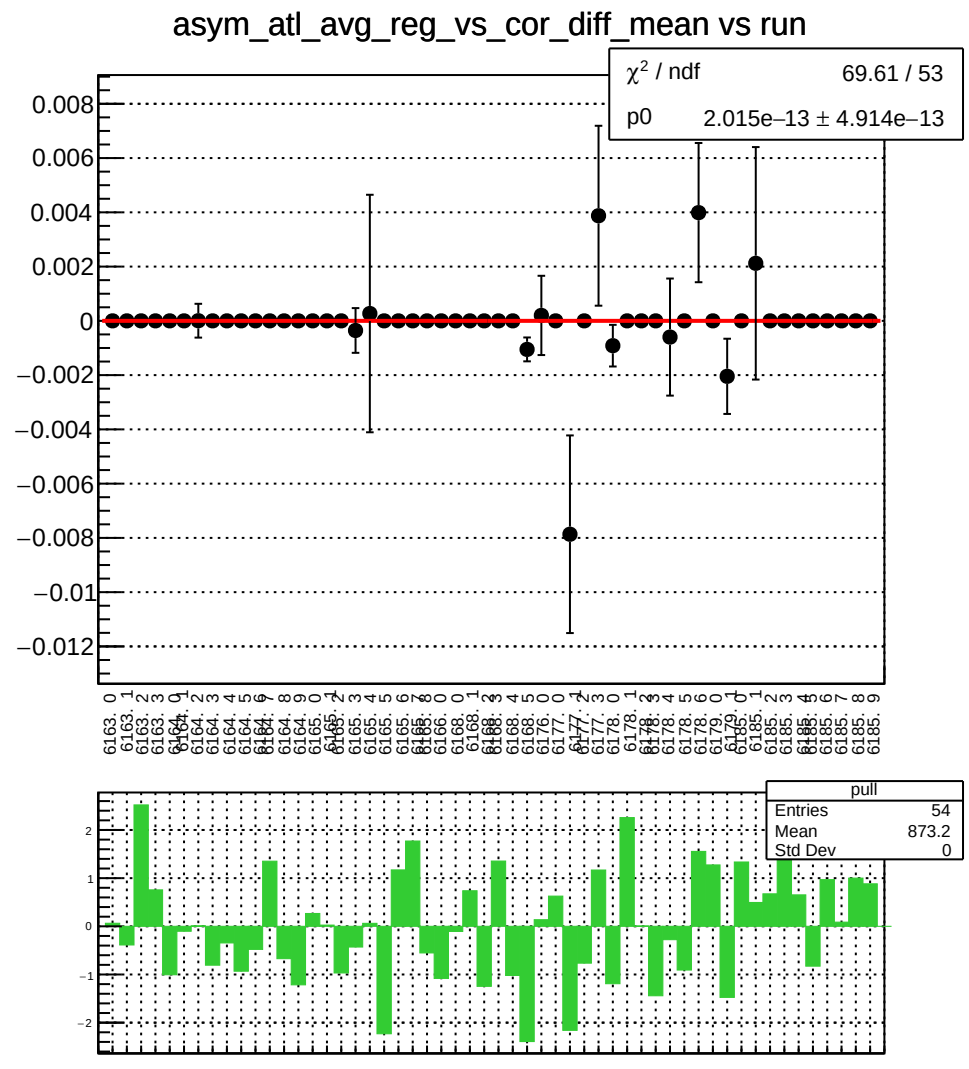
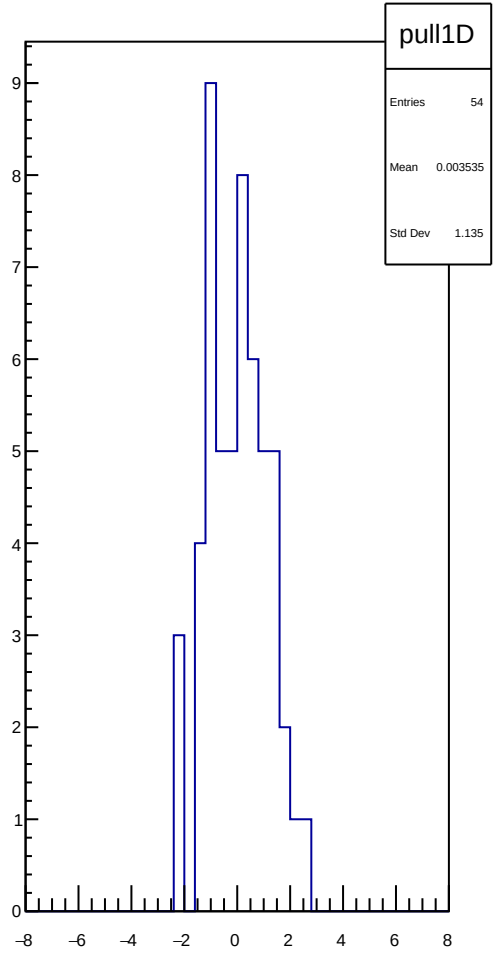
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

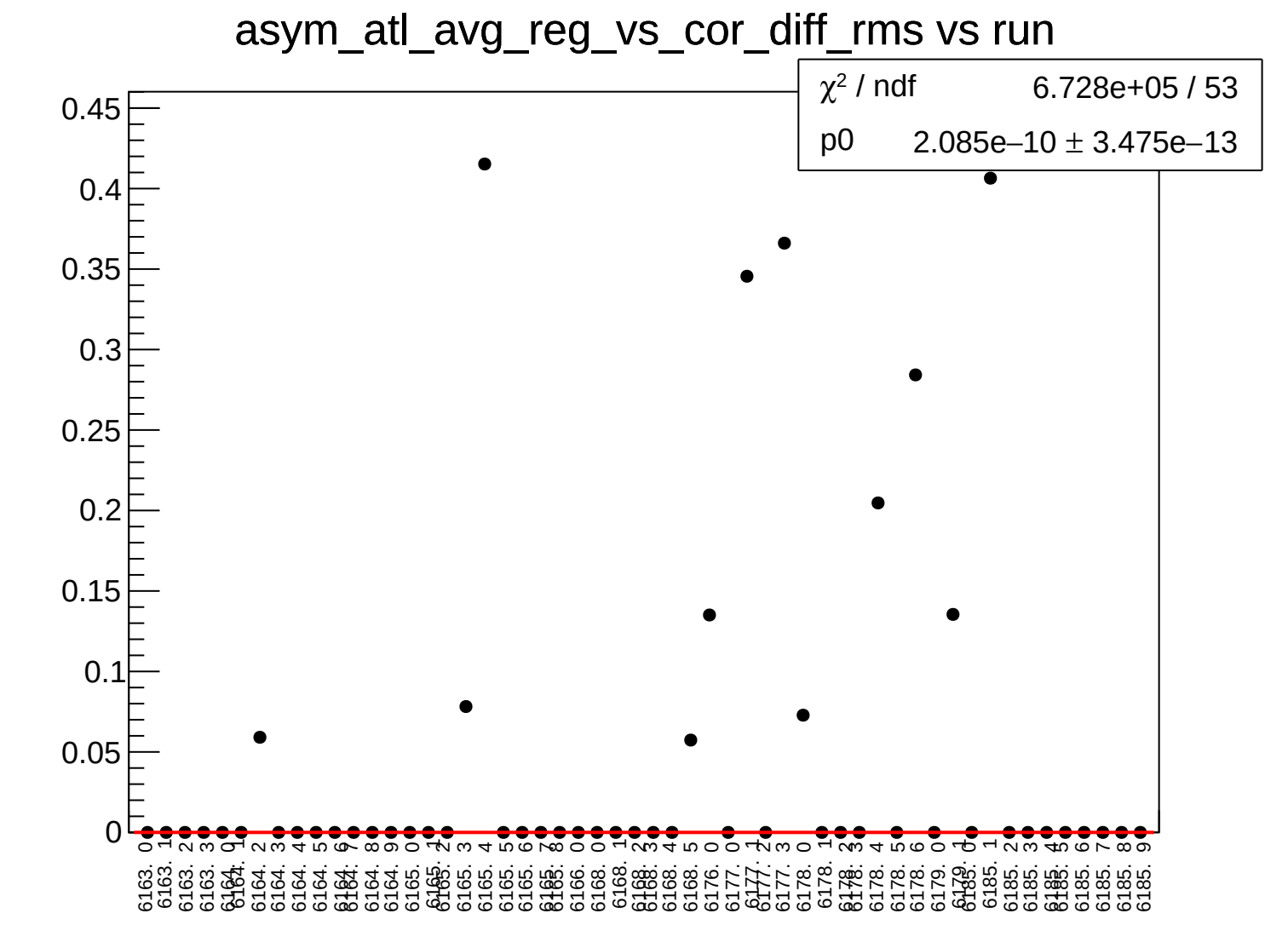

asym_atl_avg_mean vs run
×10^3
χ² / ndf 63.3 / 53
p0 7188 ± 5952
pull
Entries 54
Mean 4.322
Std Dev 0

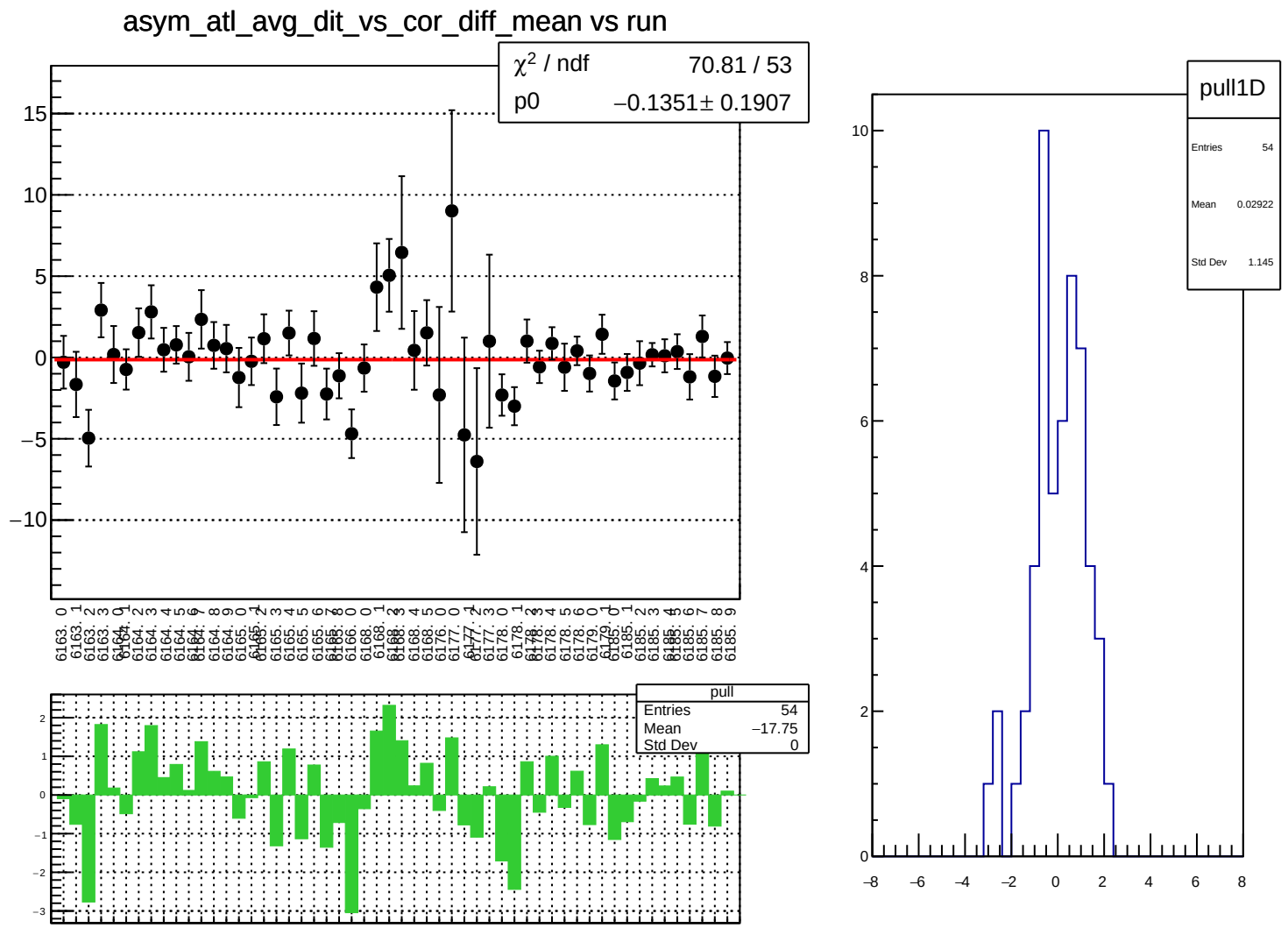

pull1D
Entries 54
Mean 0.04048
Std Dev 1.082

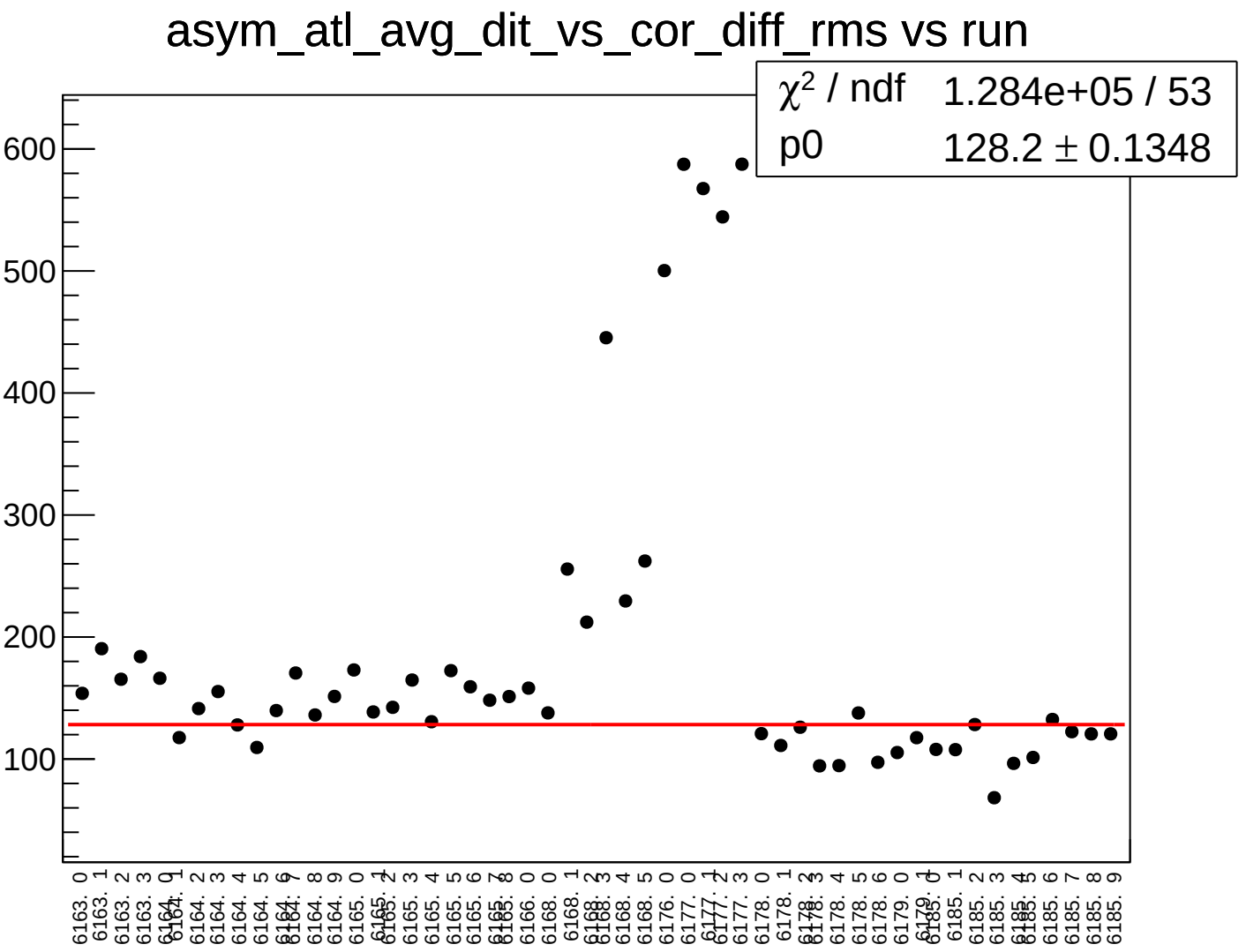

asym_atl_avg_rms vs run
χ² / ndf 5.984e+04 / 53
p0 4152 ± 4.209
6500
6000
5500
5000
4500
4000
3500
3000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

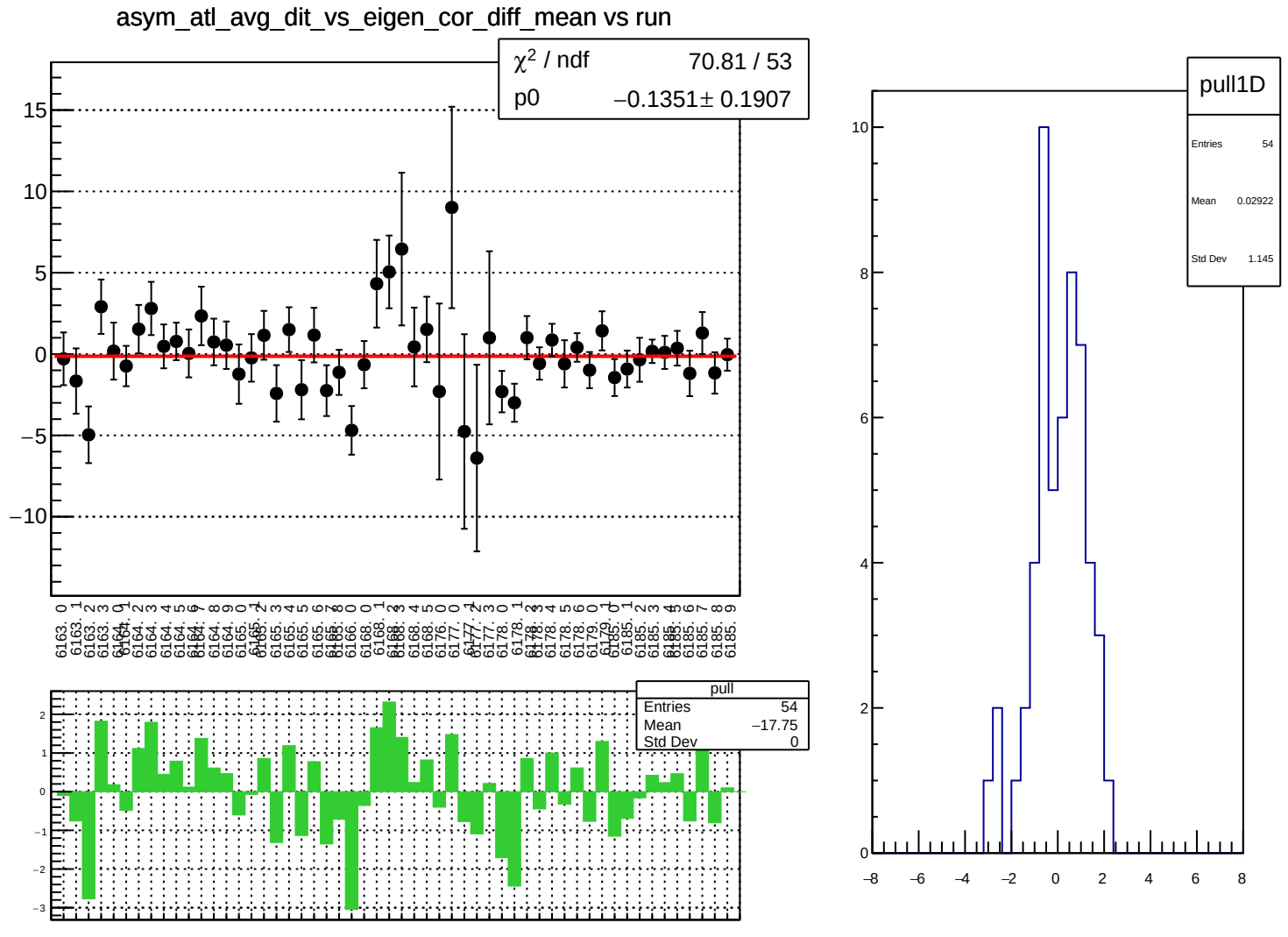

asym_atl_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 69.61 / 53
p0 2.015e−13 ± 4.914e−13
pull
Entries 54
Mean 873.2
Std Dev 0

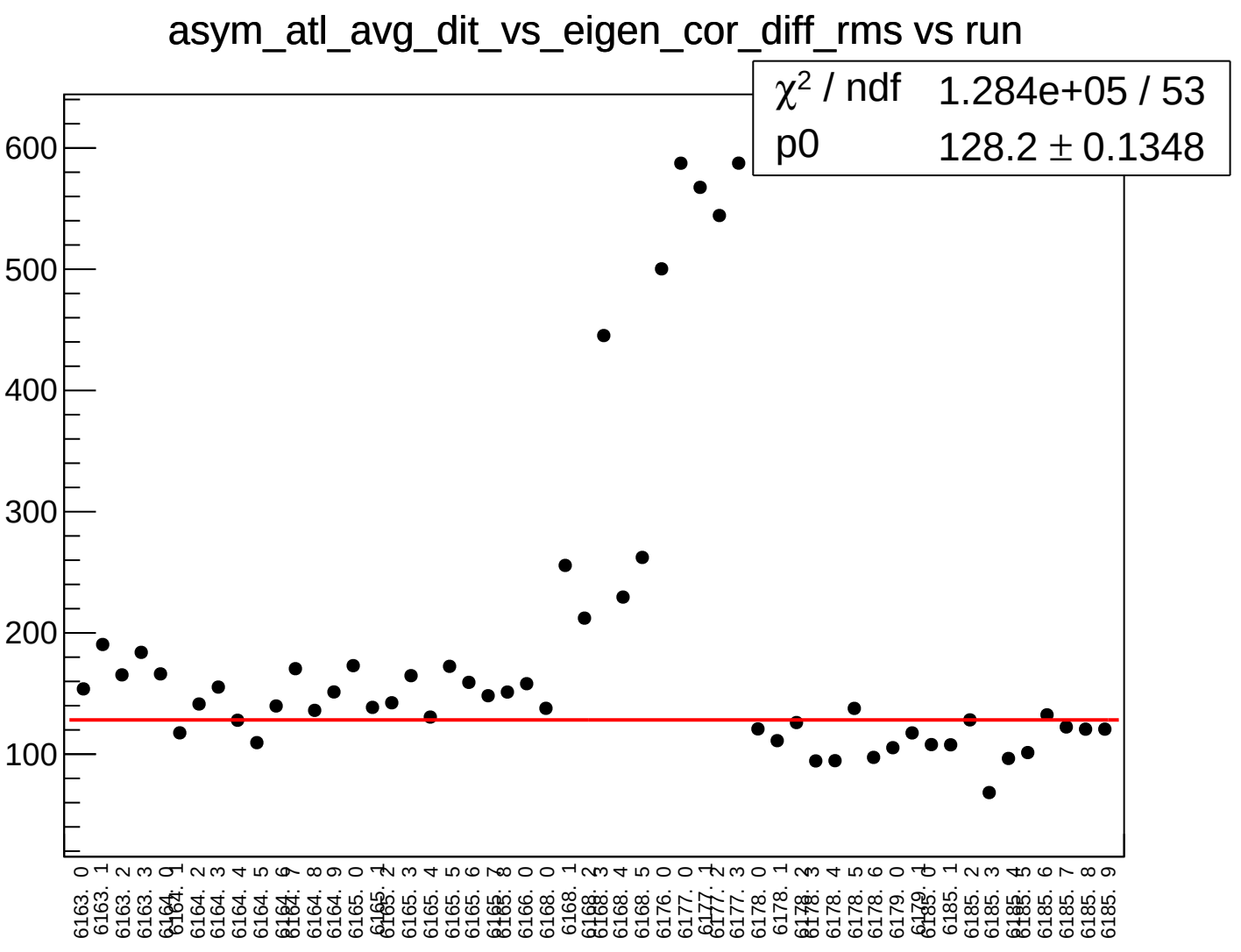

pull1D
Entries 54
Mean 0.003535
Std Dev 1.135

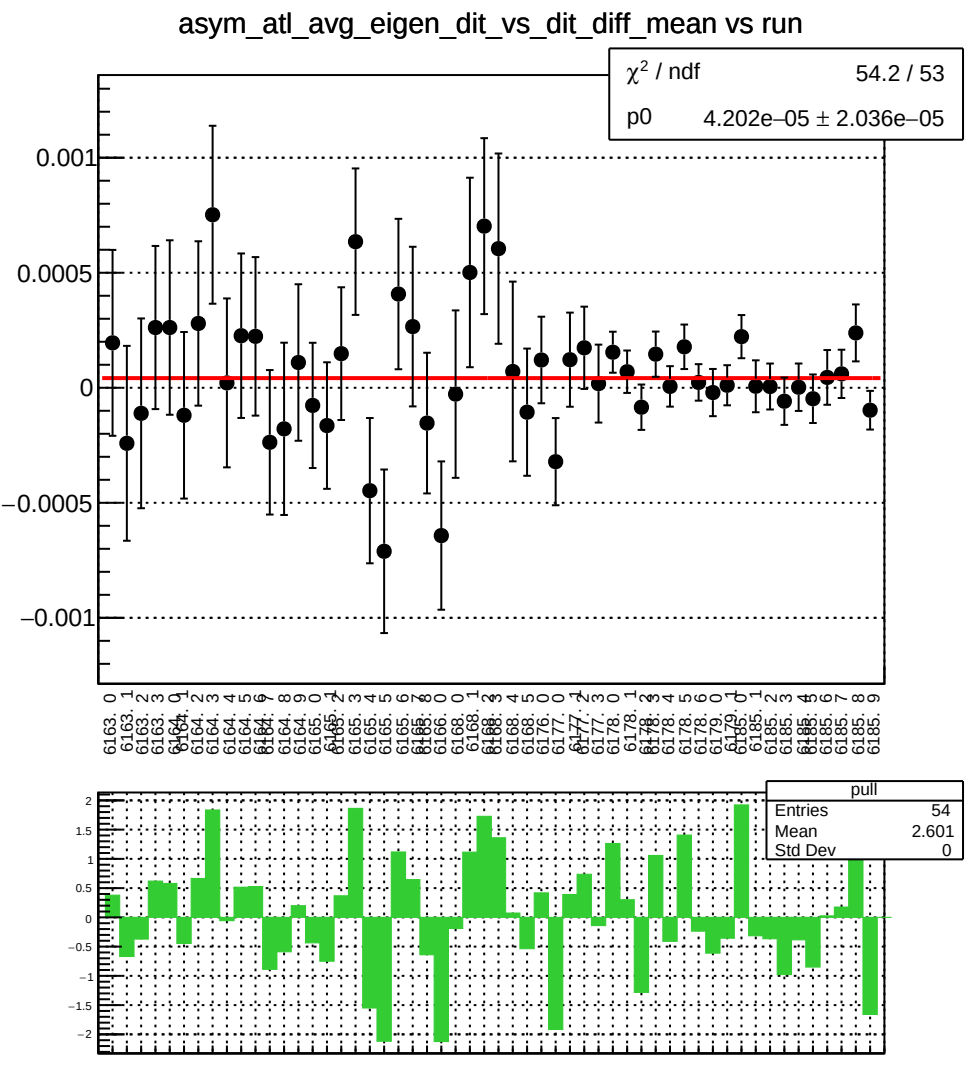

asym_atl_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.728e+05 / 53
p0 2.085e−10 ± 3.475e−13
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0

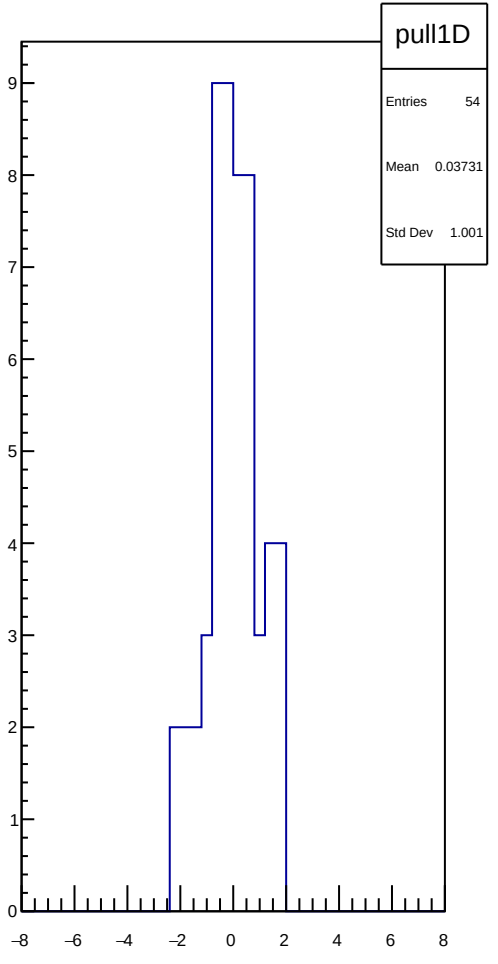

asym_atl_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 70.81 / 53
p0 −0.1351± 0.1907
pull
Entries 54
Mean −17.75
Std Dev 0
pull1D
Entries 54
Mean 0.02922
Std Dev 1.145

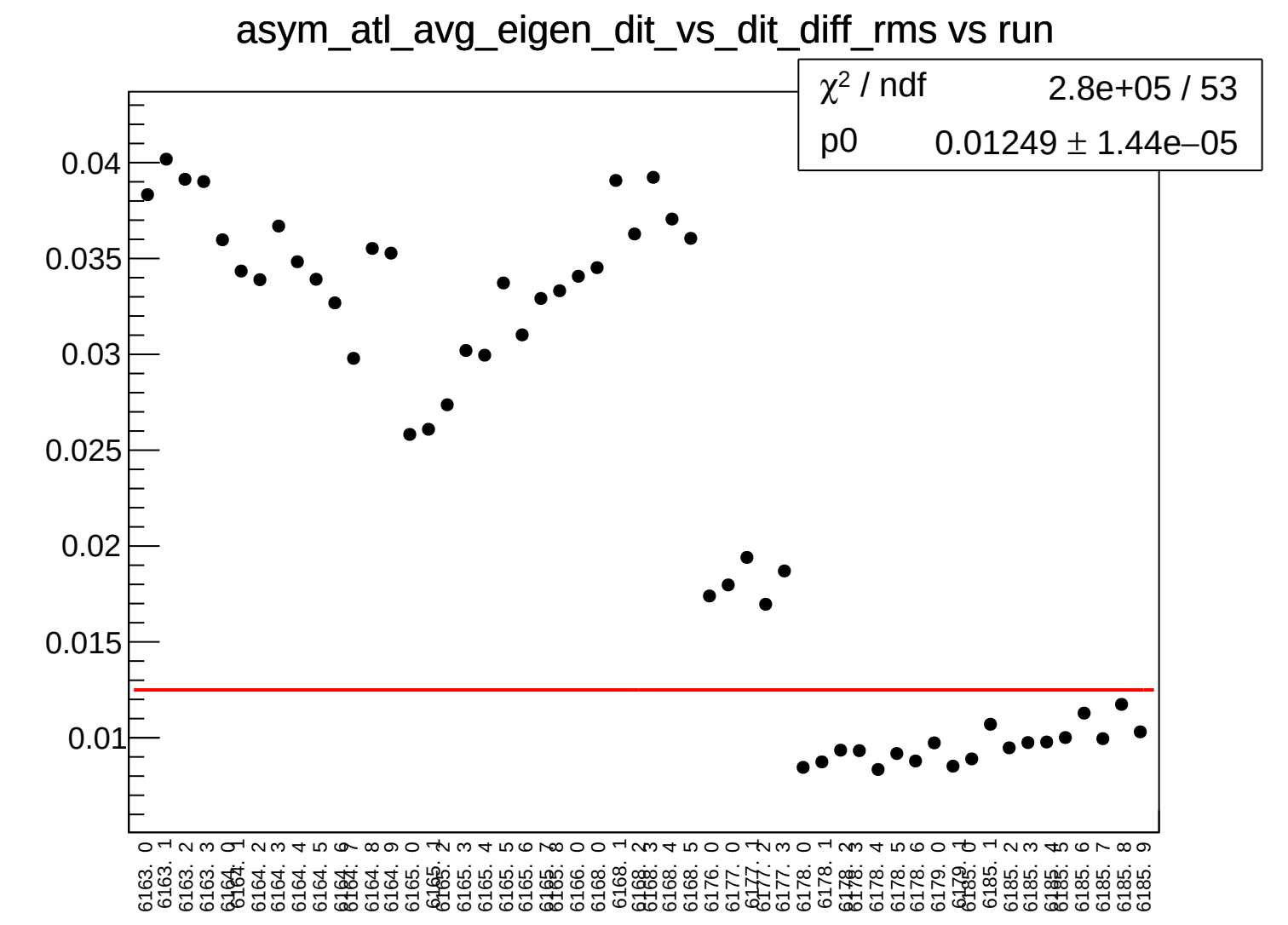

asym_atl_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.284e+05 / 53
p0 128.2 ± 0.1348
600
500
400
300
200
100
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

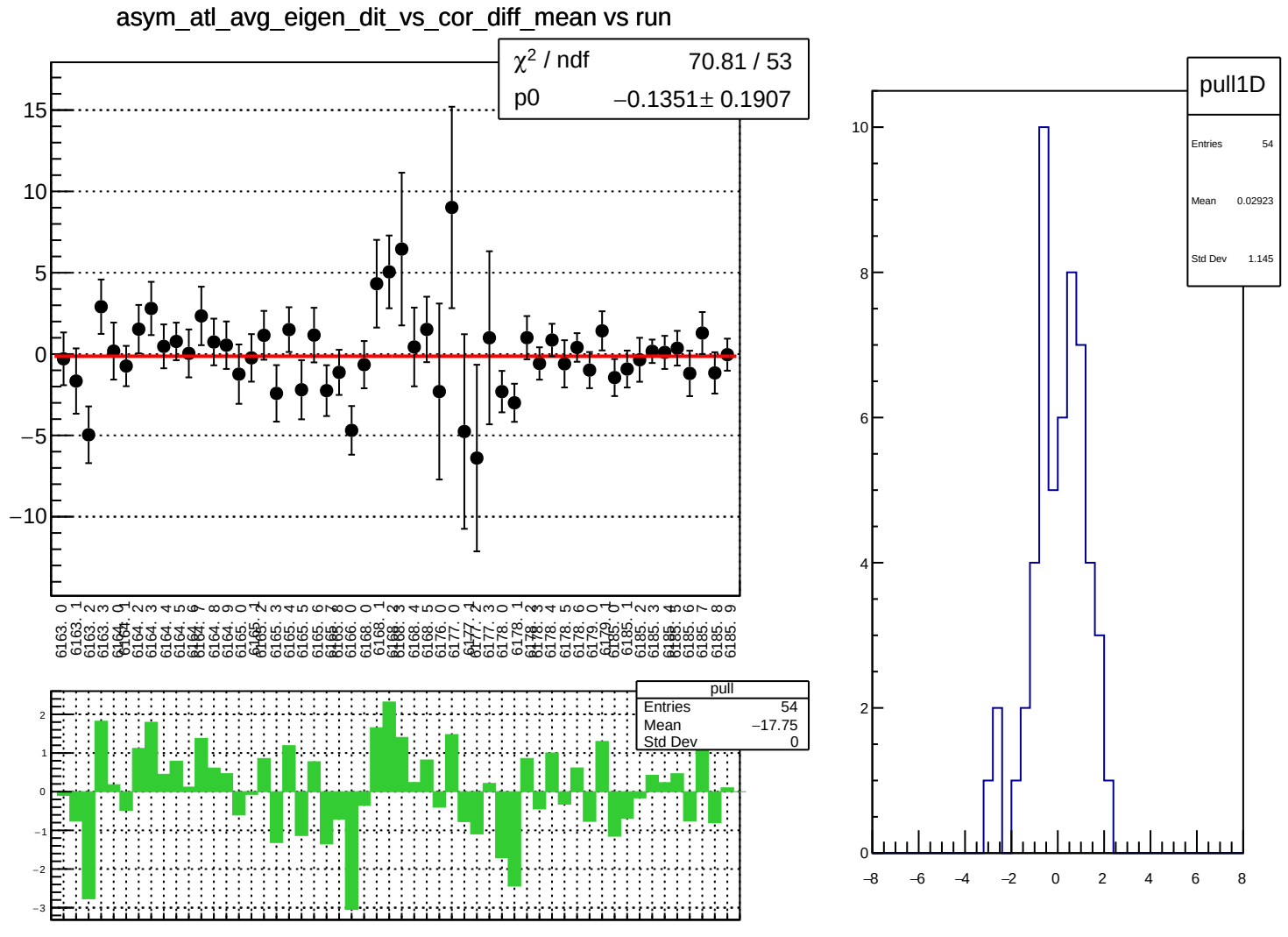

asym_atl_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 70.81 / 53
p0 −0.1351± 0.1907
pull
Entries 54
Mean −17.75
Std Dev 0
pull1D
Entries 54
Mean 0.02922
Std Dev 1.145

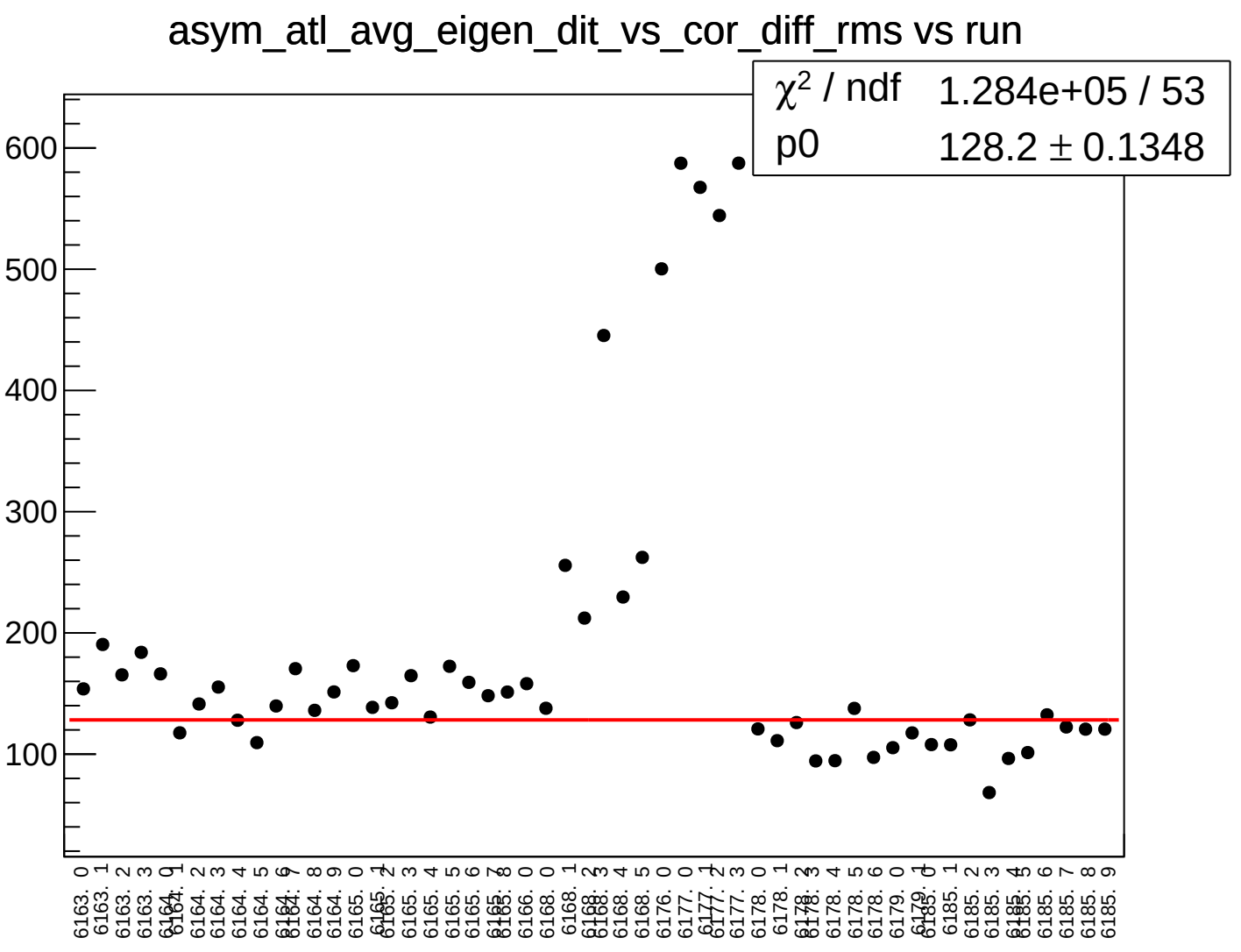

asym_atl_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.284e+05 / 53
p0 128.2 ± 0.1348
600
500
400
300
200
100
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

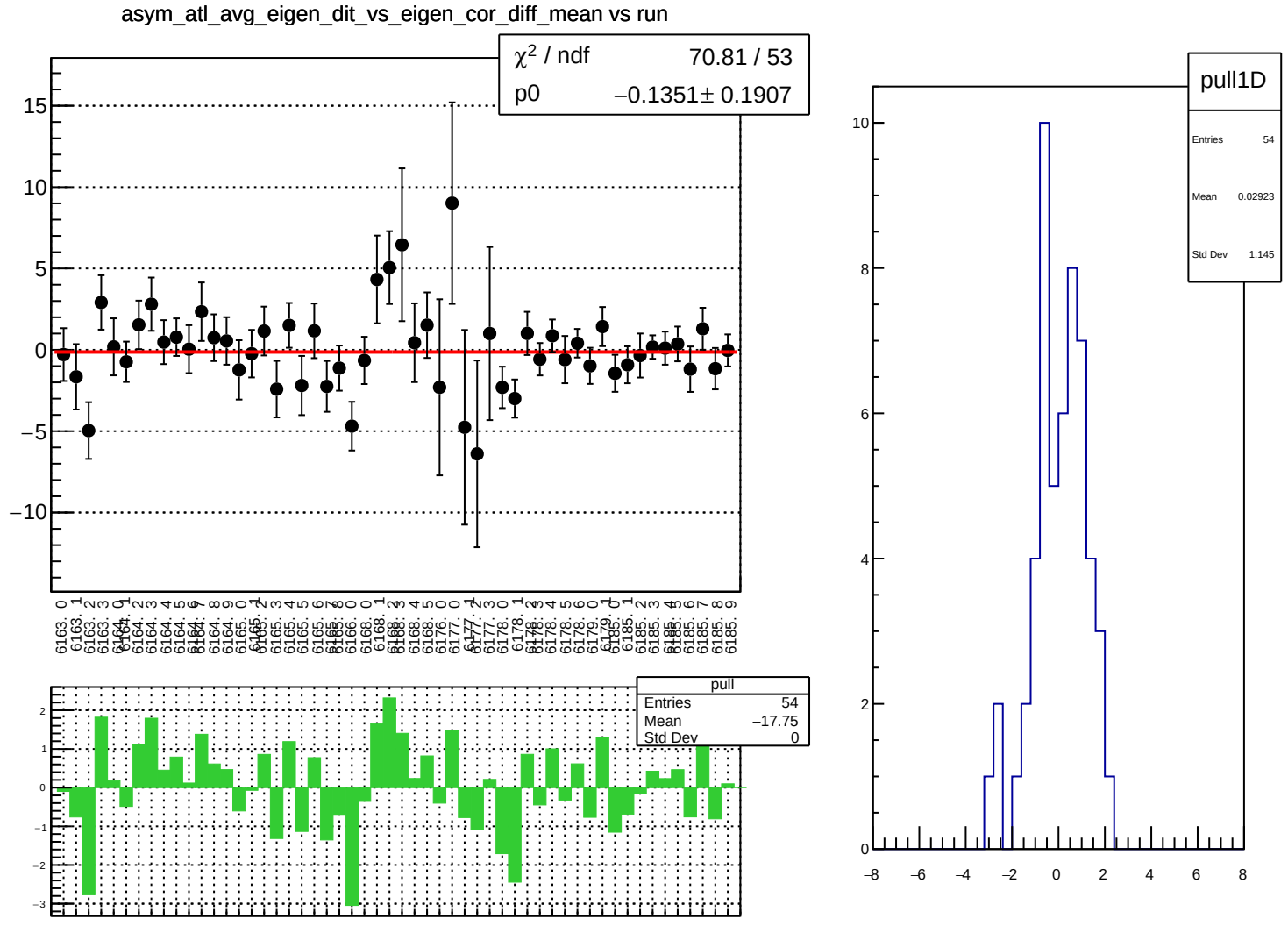

asym_atl_avg_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 54.2 / 53
p0 4.202e−05 ± 2.036e−05
0.001
0.0005
0
−0.0005
−0.001
pull
Entries 54
Mean 2.601
Std Dev 0

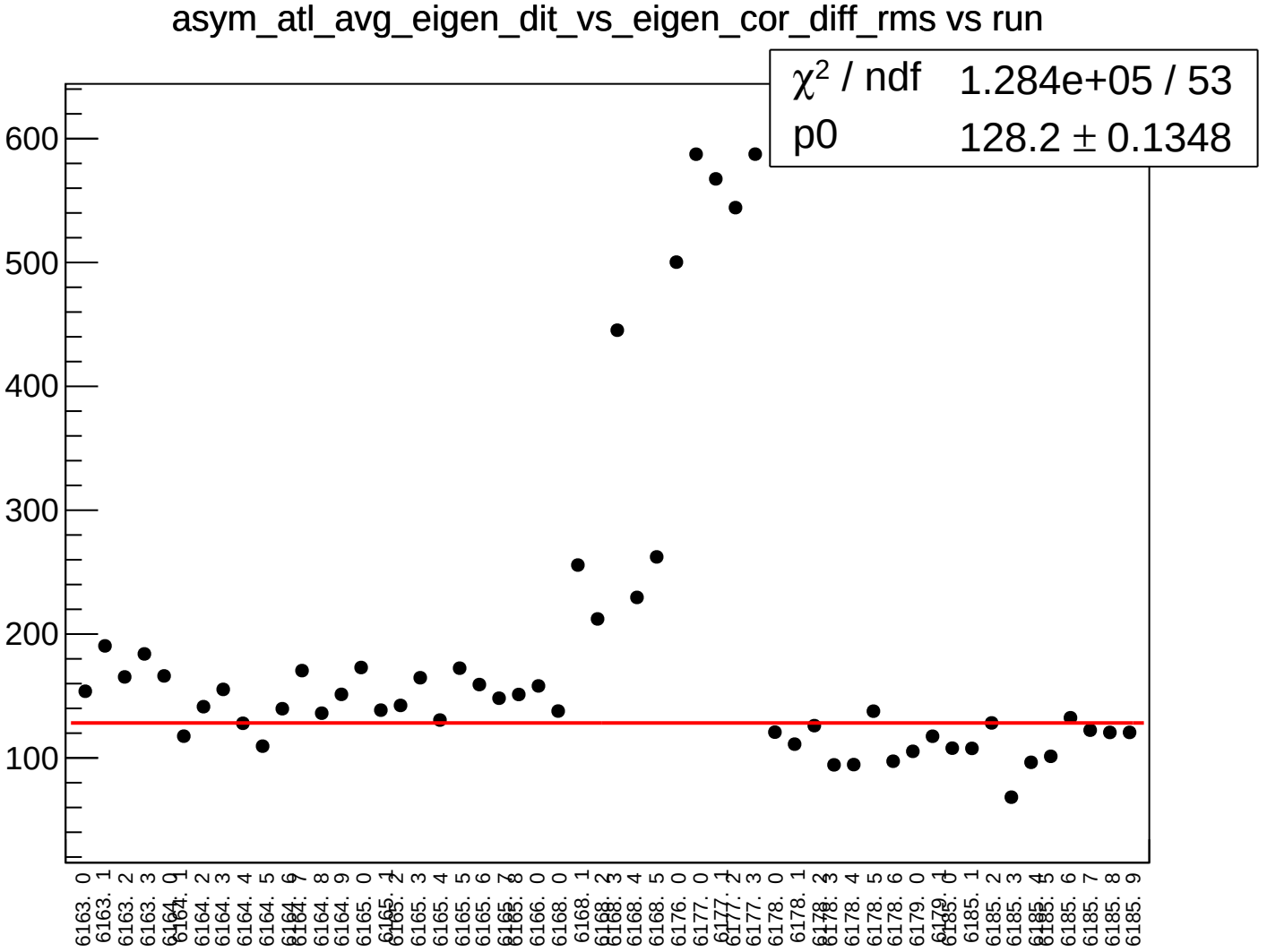

pull1D
Entries 54
Mean 0.03731
Std Dev 1.001

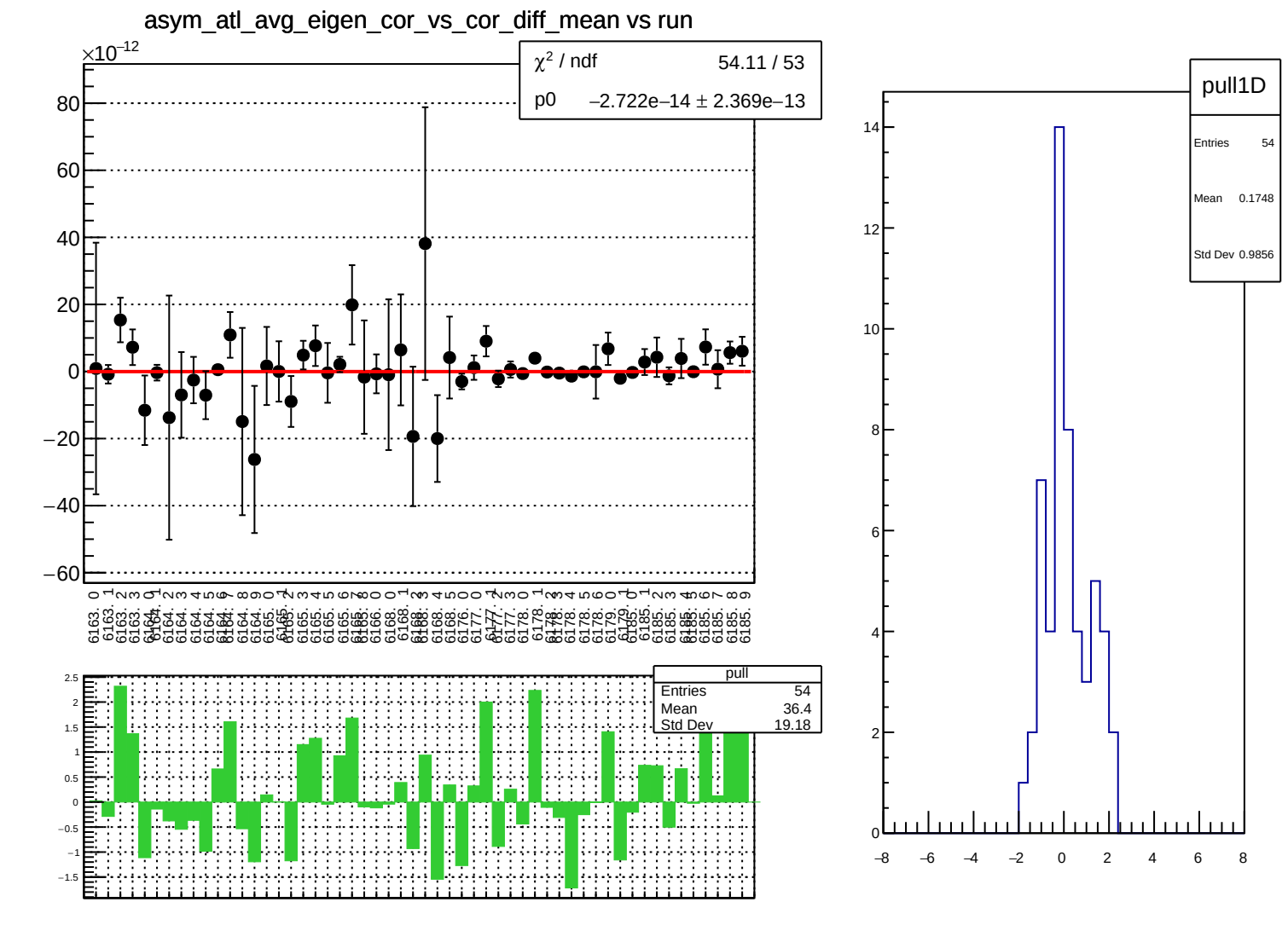

asym_atl_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.8e+05 / 53
p0 0.01249 ± 1.44e−05
0.04
0.035
0.03
0.025
0.02
0.015
0.01
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

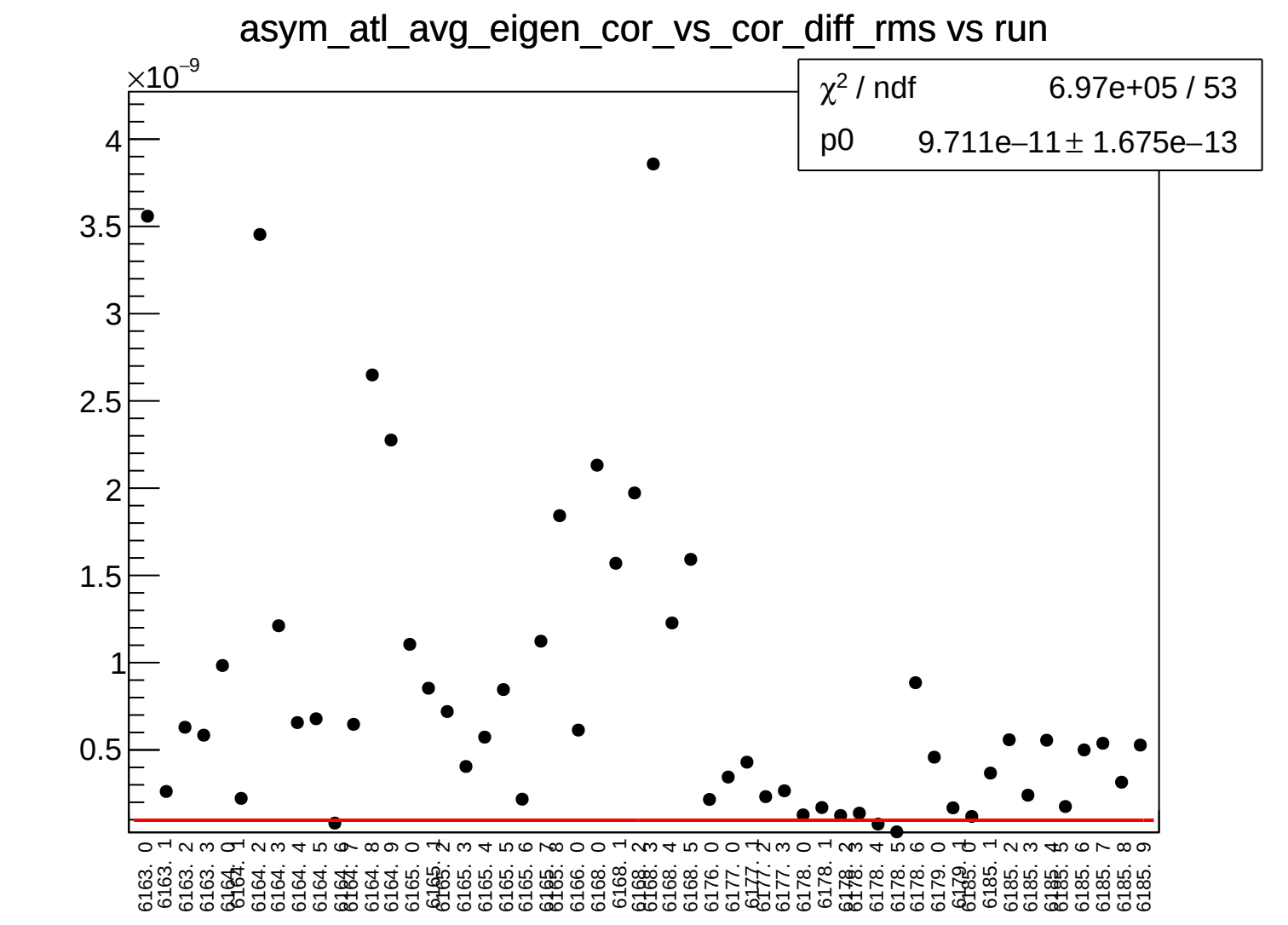

asym_atl_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 70.81 / 53
p0 −0.1351± 0.1907
pull
Entries 54
Mean −17.75
Std Dev 0
pull1D
Entries 54
Mean 0.02923
Std Dev 1.145

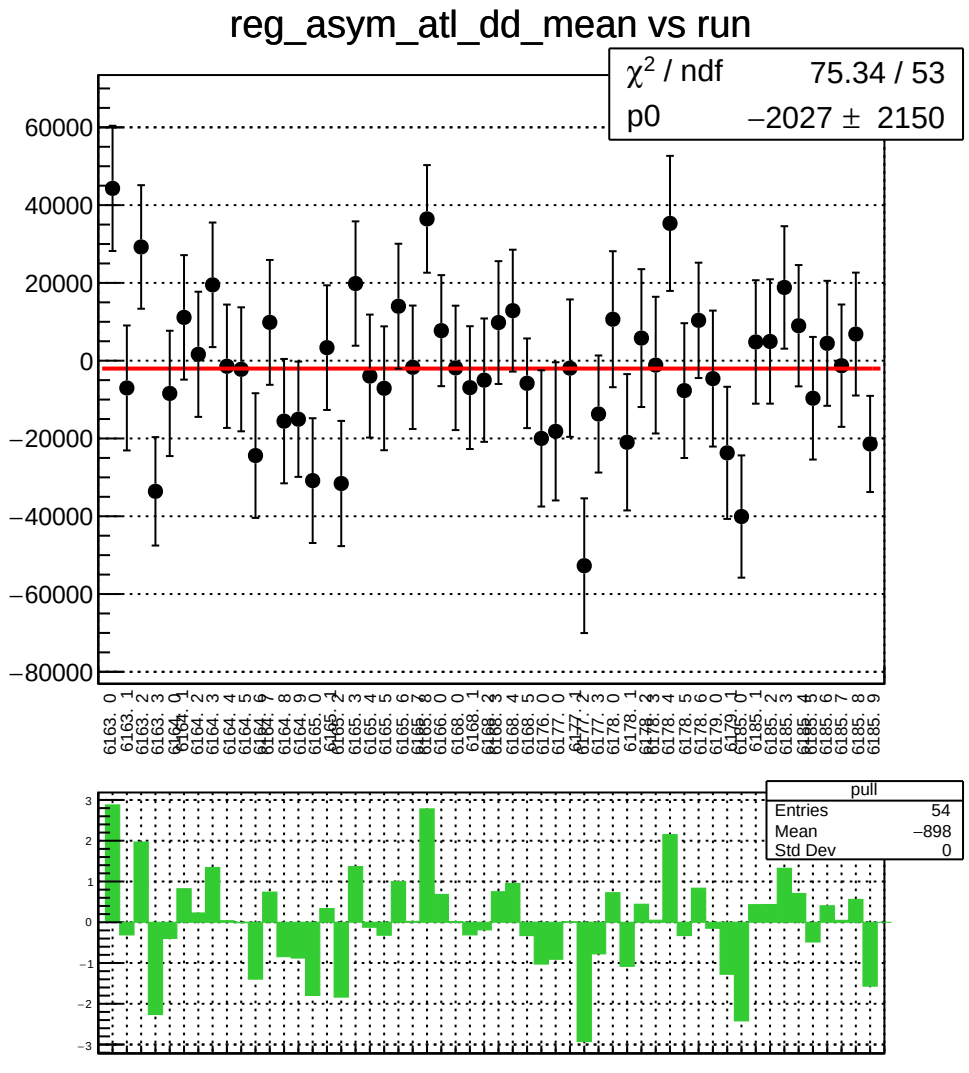

asym_atl_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.284e+05 / 53
p0 128.2 ± 0.1348
600
500
400
300
200
100
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

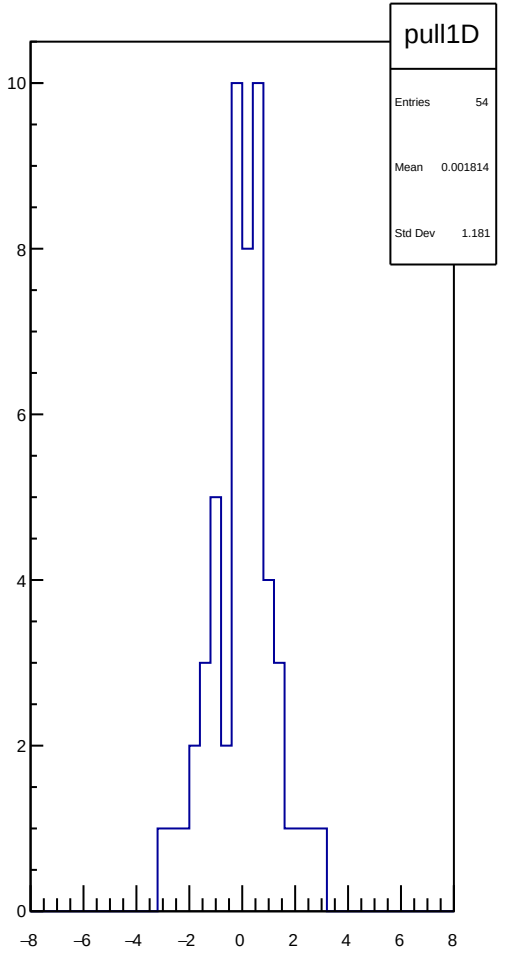

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 70.81 / 53
p0 −0.1351± 0.1907
pull
Entries 54
Mean −17.75
Std Dev 0
pull1D
Entries 54
Mean 0.02923
Std Dev 1.145

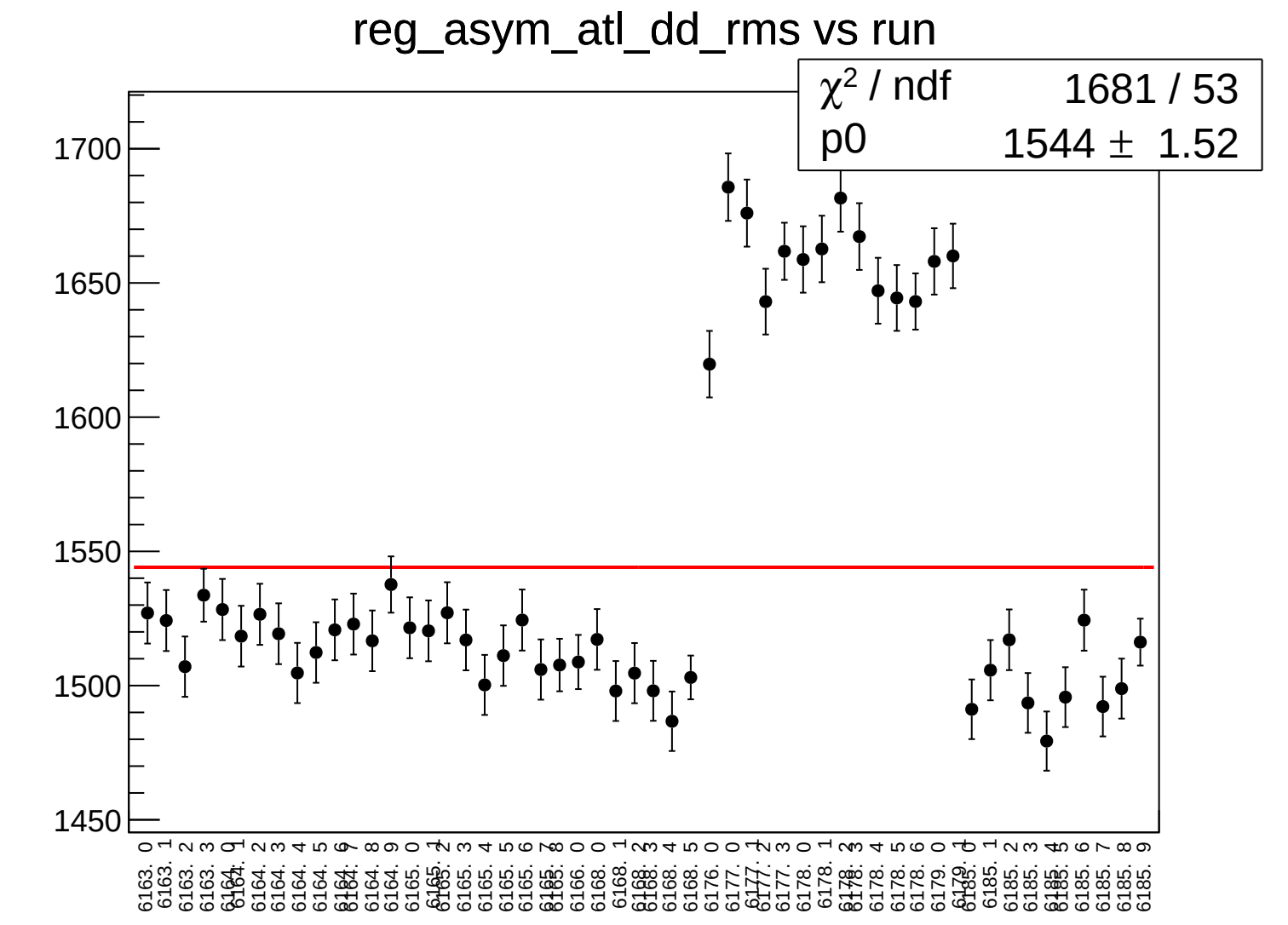

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.284e+05 / 53
p0 128.2 ± 0.1348
600
500
400
300
200
100
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

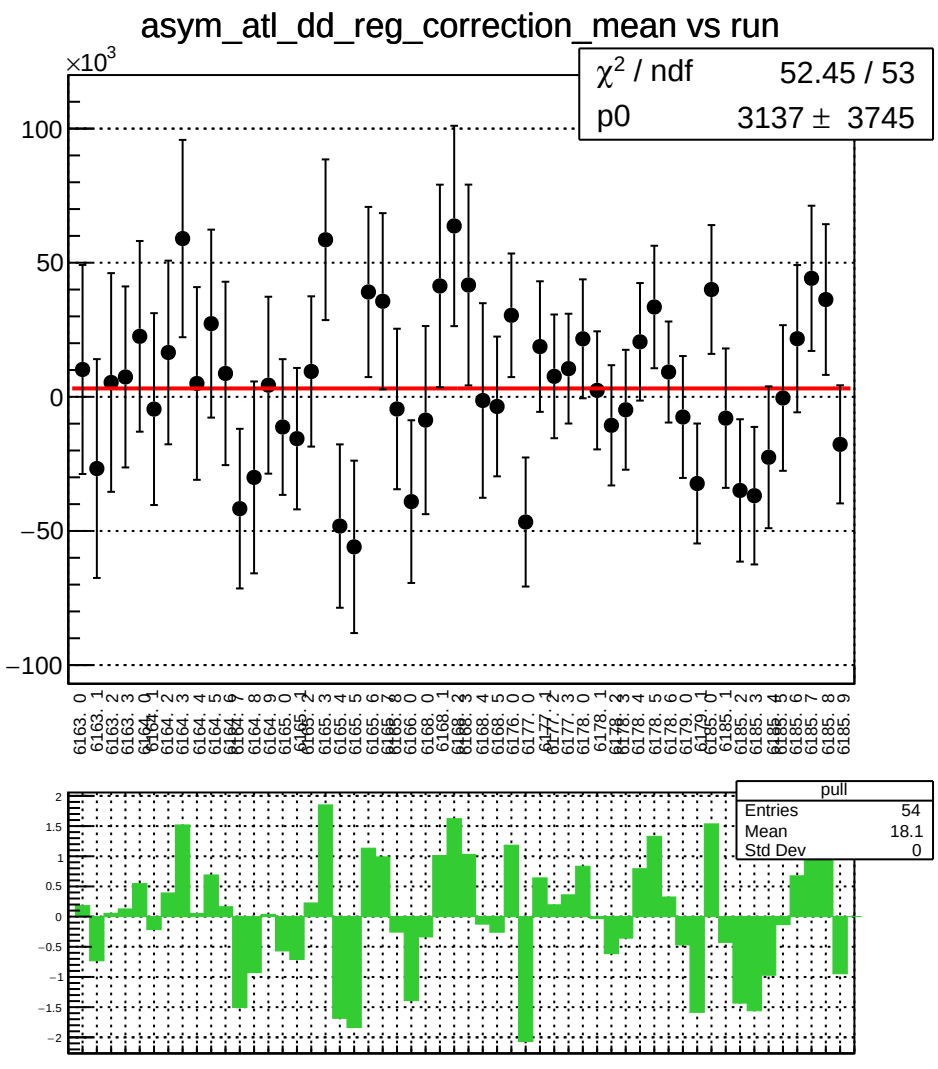

asym_atl_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 54.11 / 53
p0 −2.722e−14 ± 2.369e−13
pull
Entries 54
Mean 36.4
Std Dev 19.18
pull1D
Entries 54
Mean 0.1748
Std Dev 0.9856

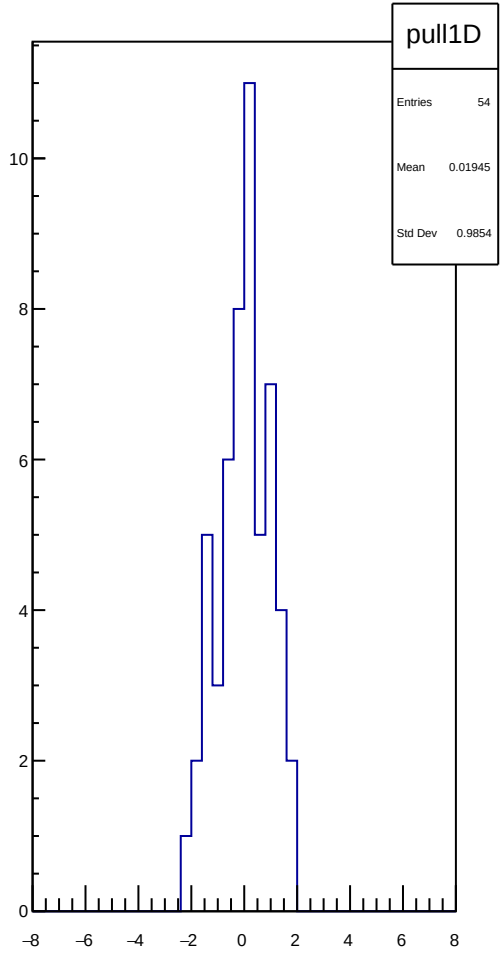

asym_atl_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.97e+05 / 53
p0 9.711e−11 ± 1.675e−13
4
3.5
3
2.5
2
1.5
1
0.5
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

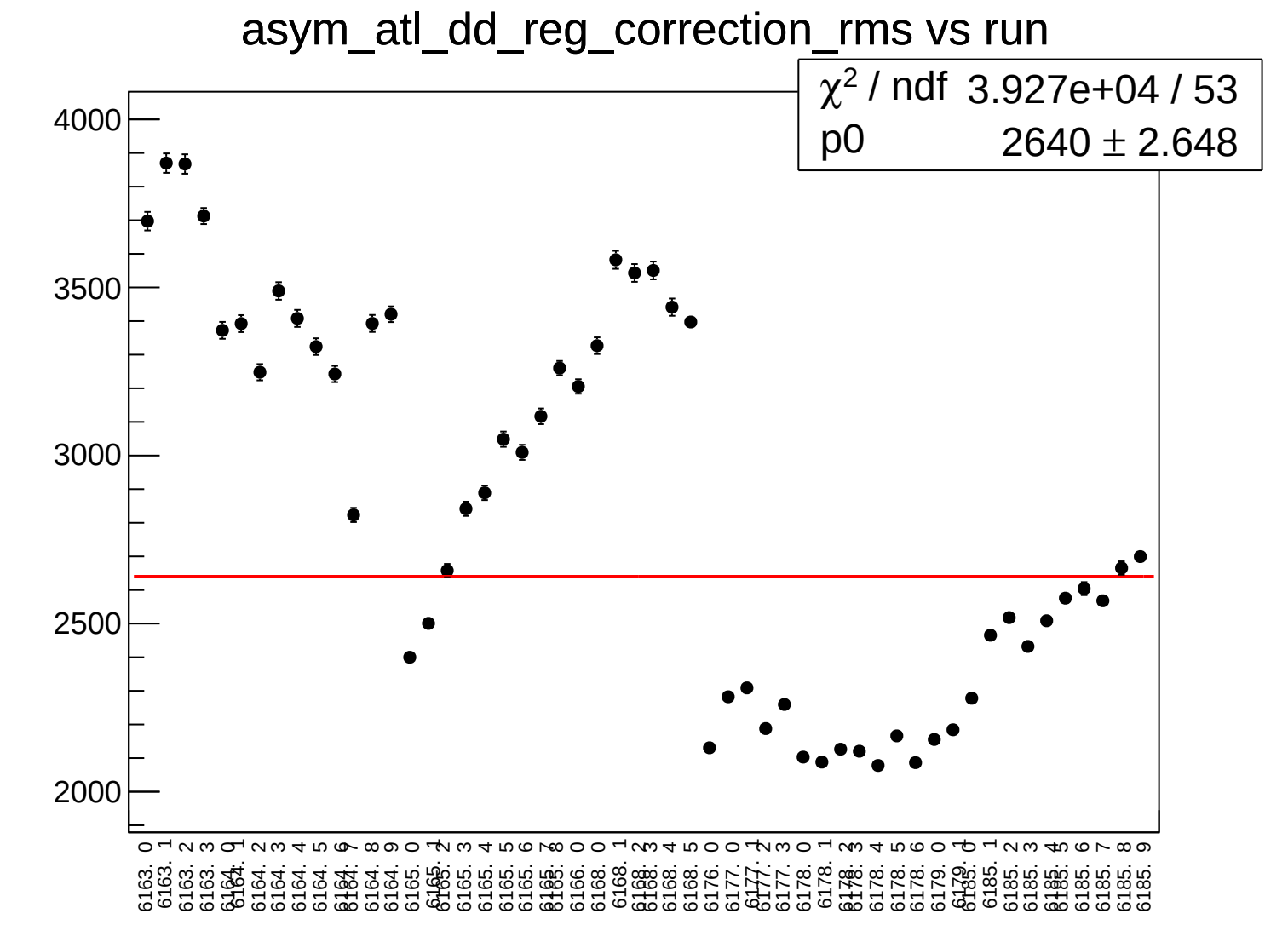

reg_asym_atl_dd_mean vs run
χ² / ndf 75.34 / 53
p0 −2027 ± 2150
pull
Entries 54
Mean −898
Std Dev 0

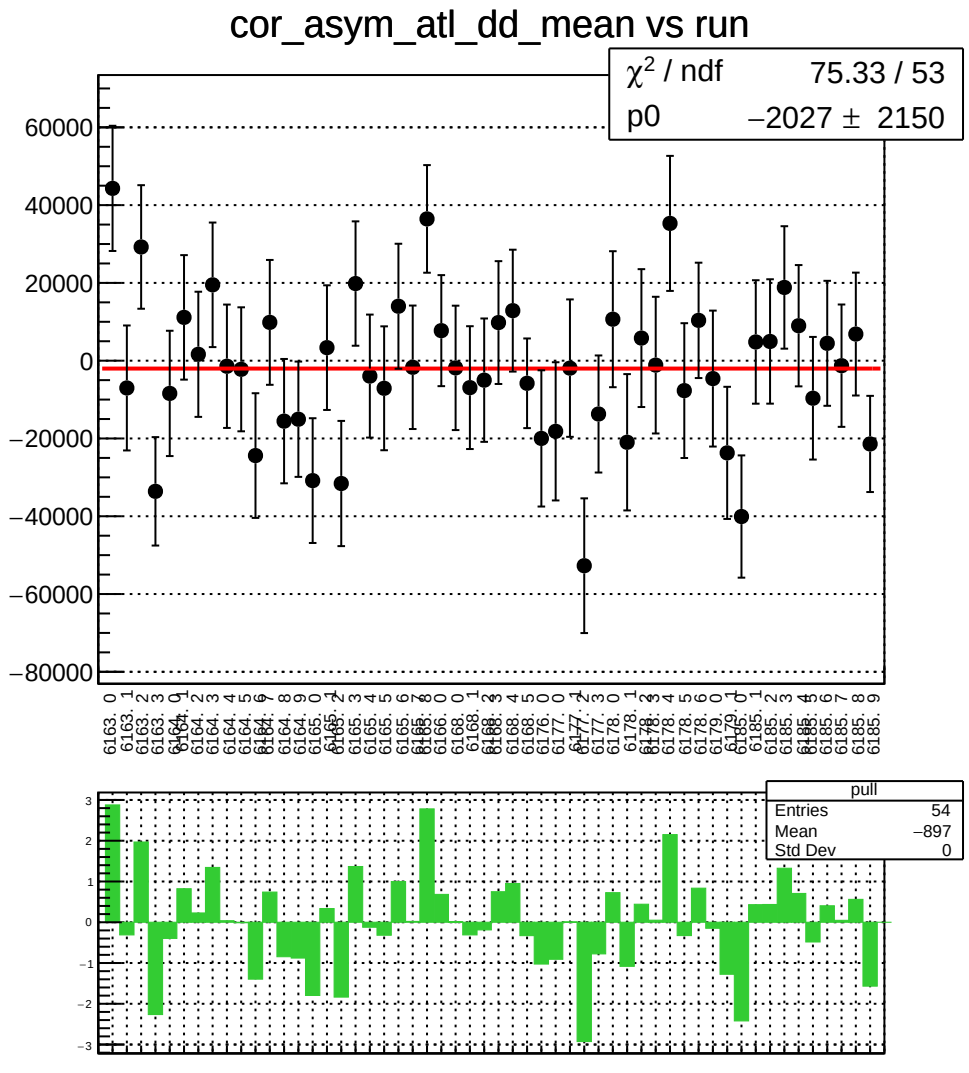

pull1D
Entries 54
Mean 0.001814
Std Dev 1.181

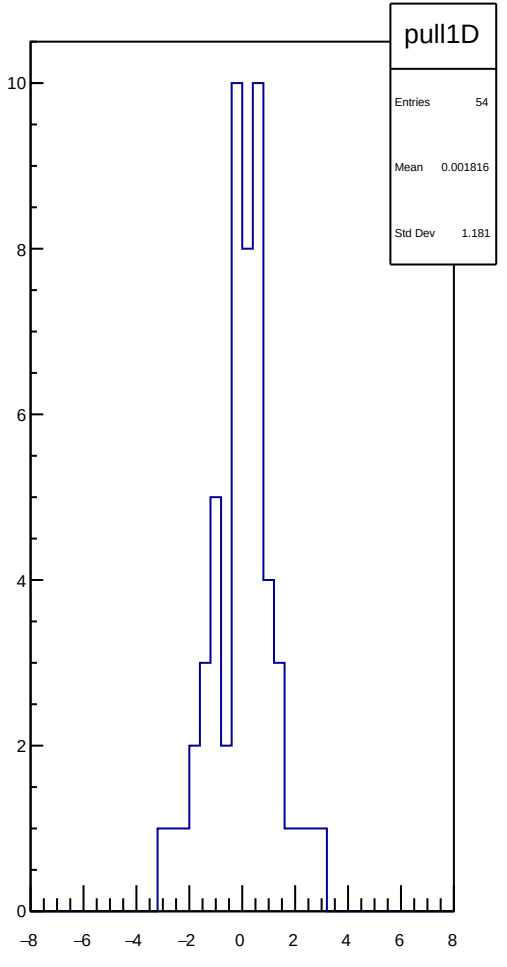

reg_asym_atl_dd_rms vs run
χ² / ndf 1681 / 53
p0 1544 ± 1.52
1700
1650
1600
1550
1500
1450
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

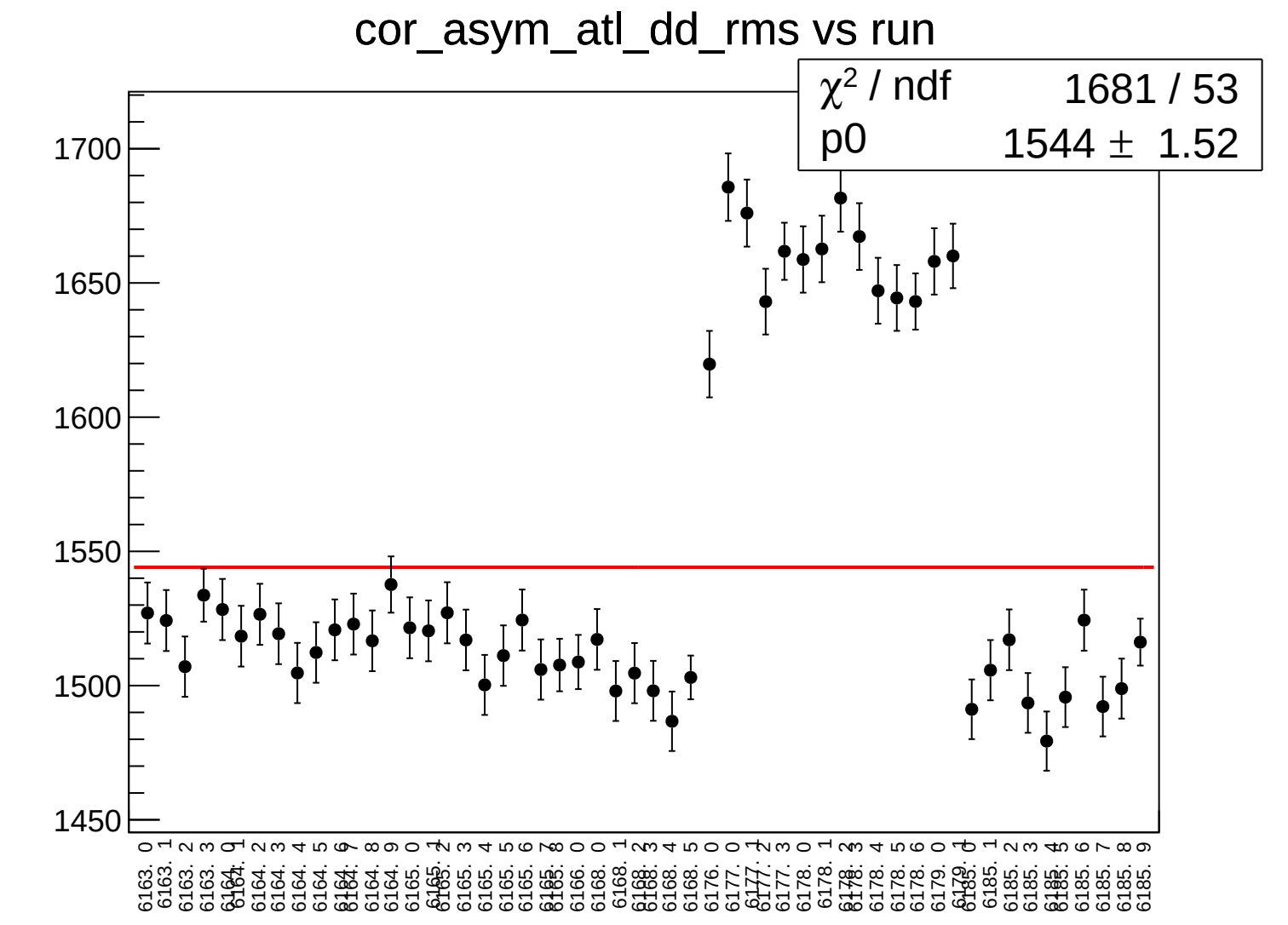

asym_atl_dd_reg_correction_mean vs run
×10^3
χ² / ndf 52.45 / 53
p0 3137 ± 3745
100
50
0
−50
−100
pull
Entries 54
Mean 18.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

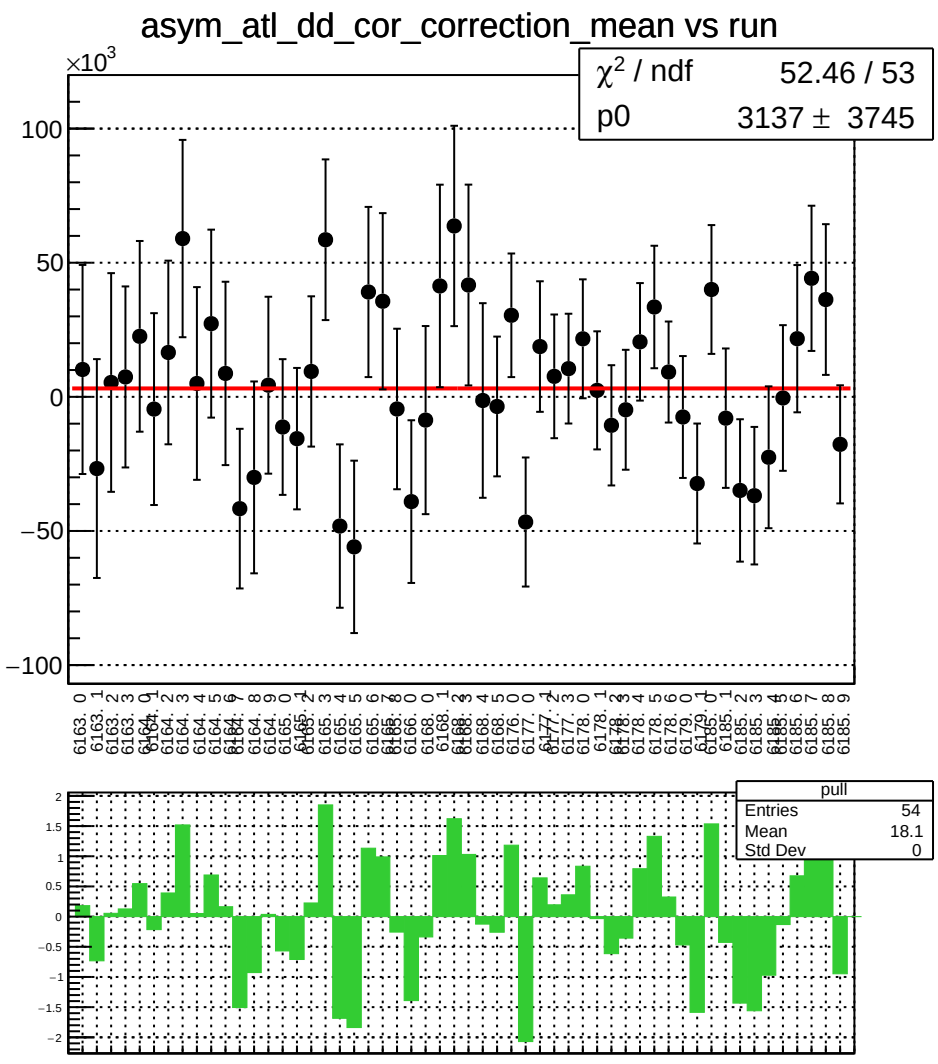

pull1D
Entries 54
Mean 0.01945
Std Dev 0.9854
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

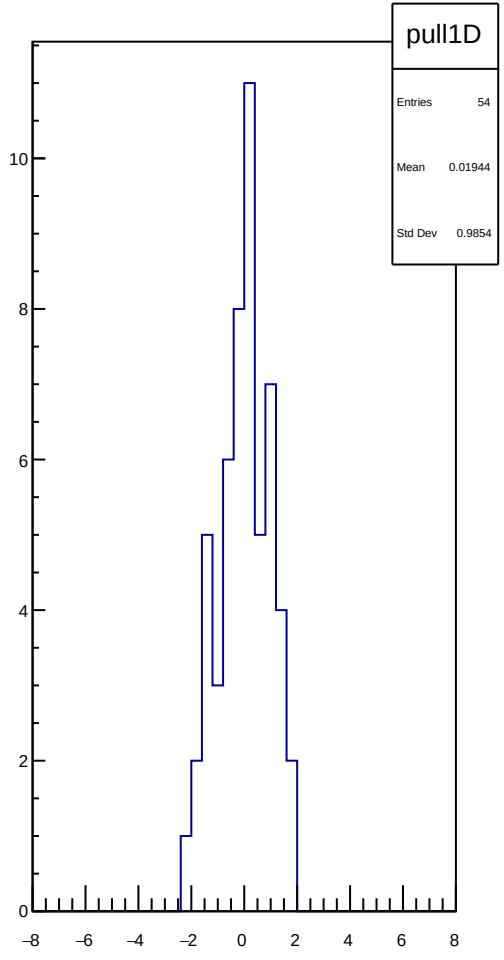

asym_atl_dd_reg_correction_rms vs run
χ² / ndf 3.927e+04 / 53
p0 2640 ± 2.648
4000
3500
3000
2500
2000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

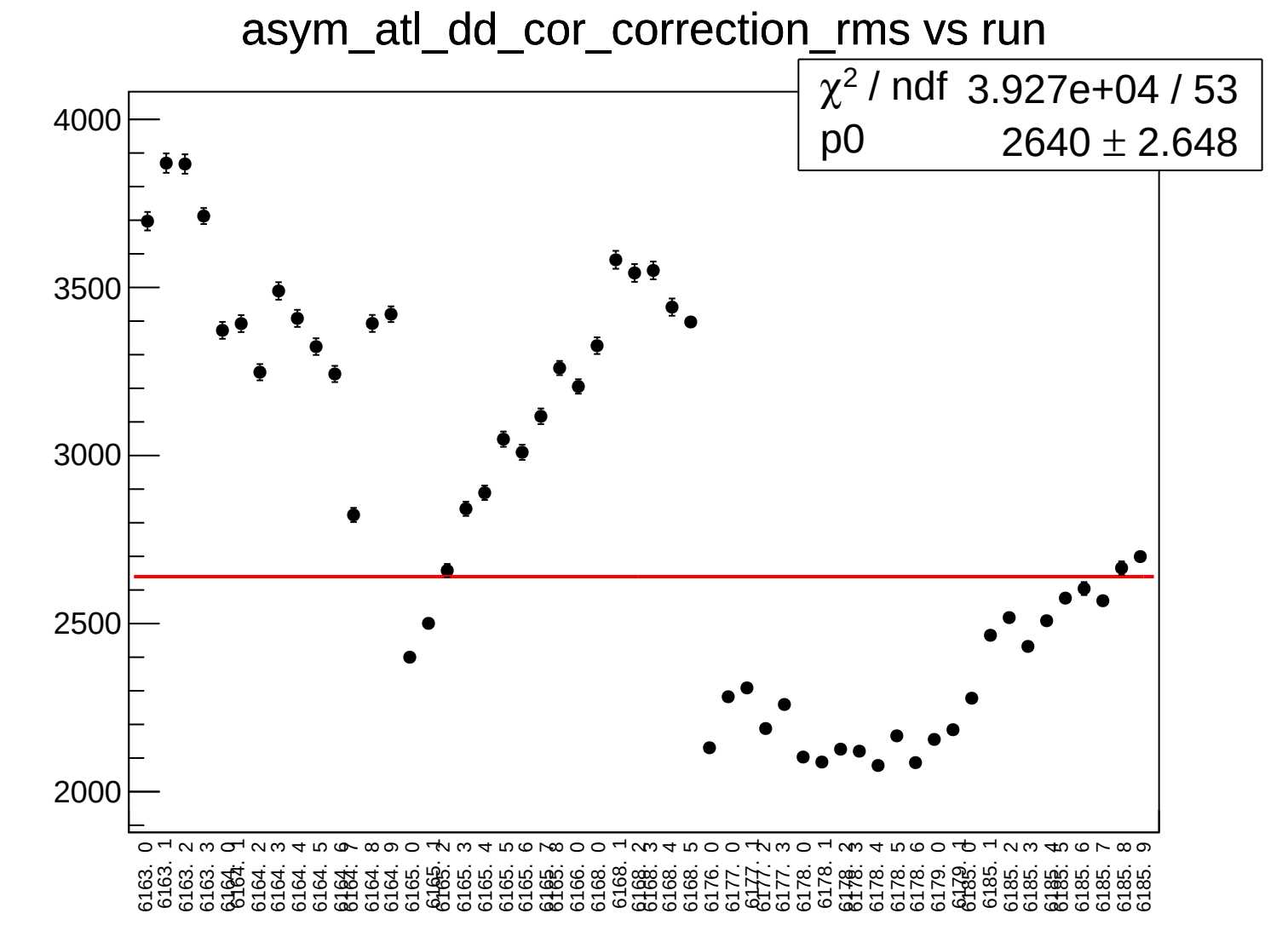

cor_asym_atl_dd_mean vs run
χ² / ndf 75.33 / 53
p0 −2027 ± 2150
pull
Entries 54
Mean −897
Std Dev 0

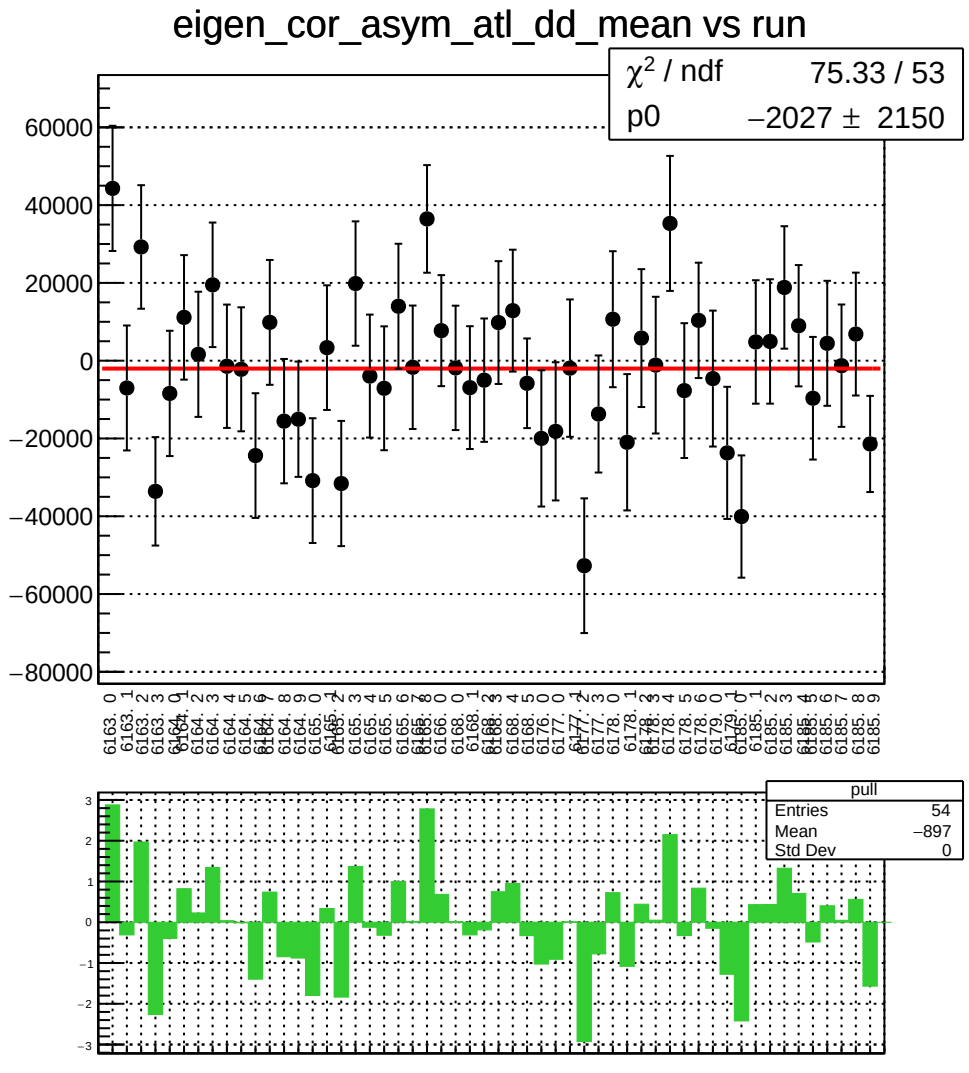

pull1D
Entries 54
Mean 0.001816
Std Dev 1.181

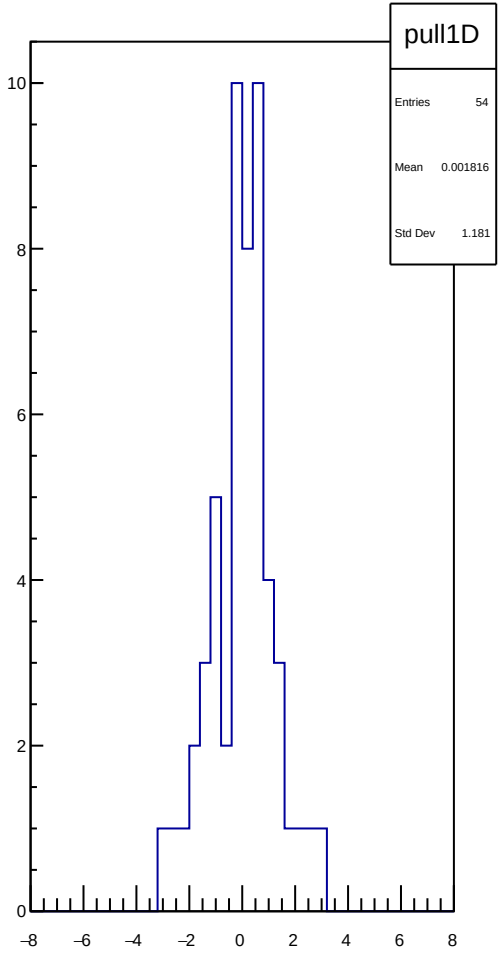

cor_asym_atl_dd_rms vs run
χ² / ndf 1681 / 53
p0 1544 ± 1.52
1700
1650
1600
1550
1500
1450
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 2
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

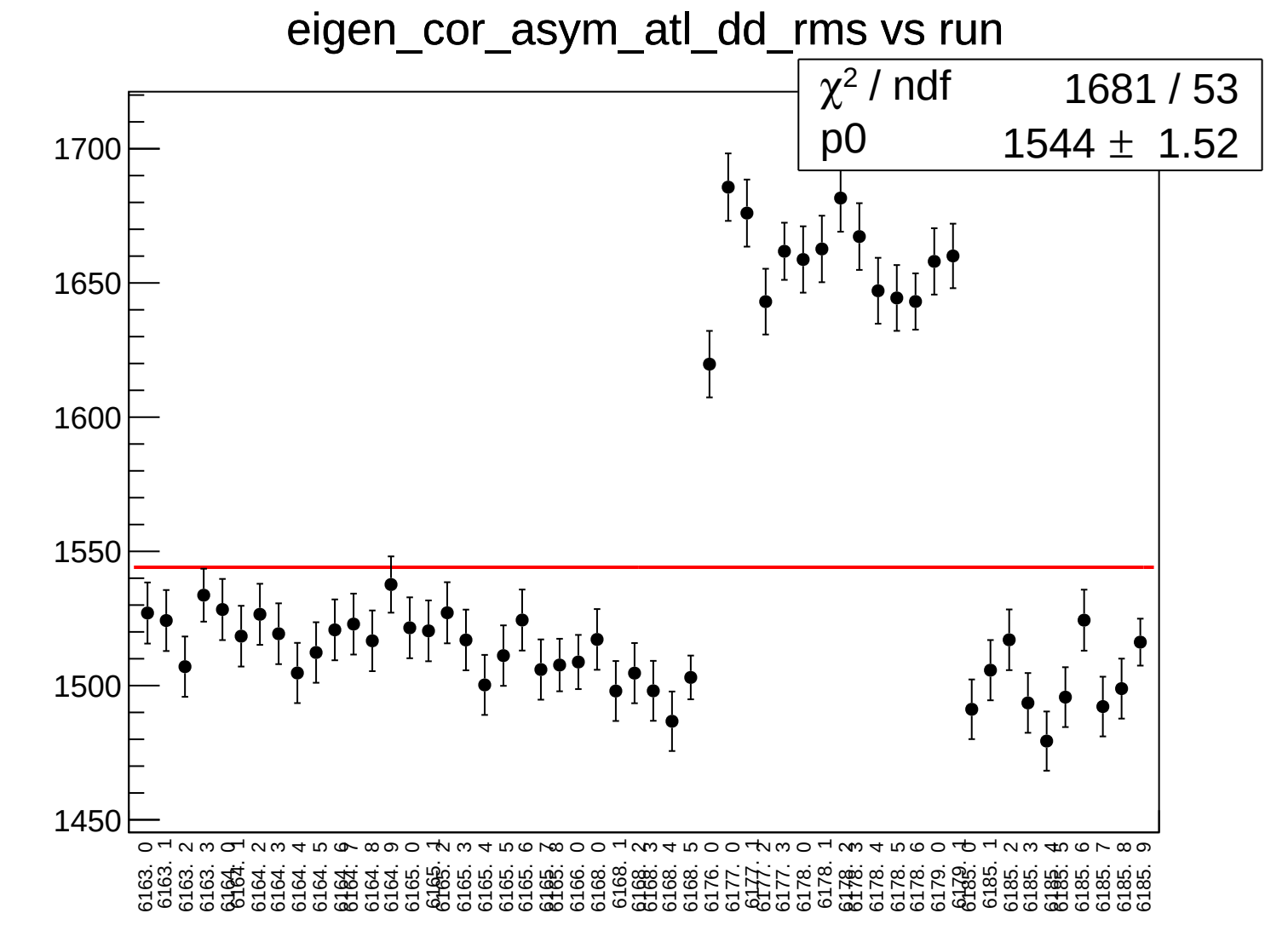

asym_atl_dd_cor_correction_mean vs run
×10^3
χ² / ndf 52.46 / 53
p0 3137 ± 3745
100
50
0
−50
−100
pull
Entries 54
Mean 18.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

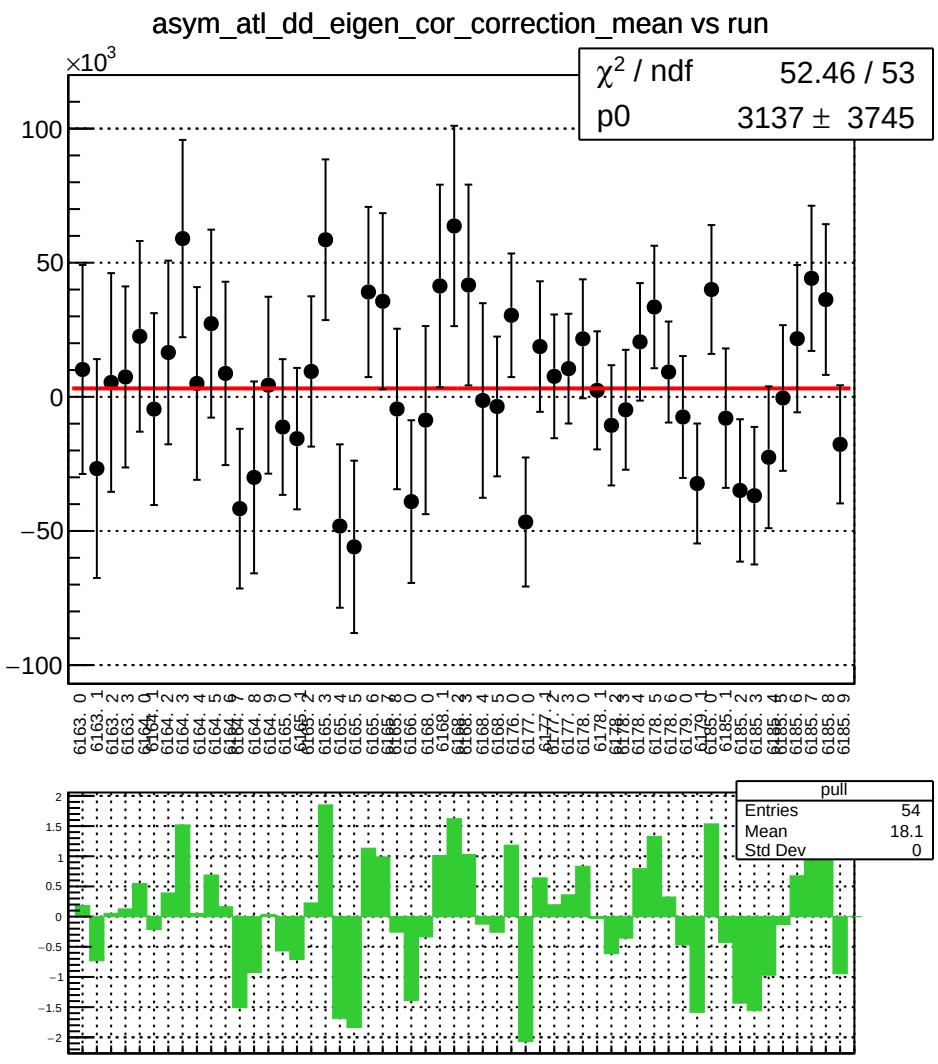

pull1D
Entries 54
Mean 0.01944
Std Dev 0.9854
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

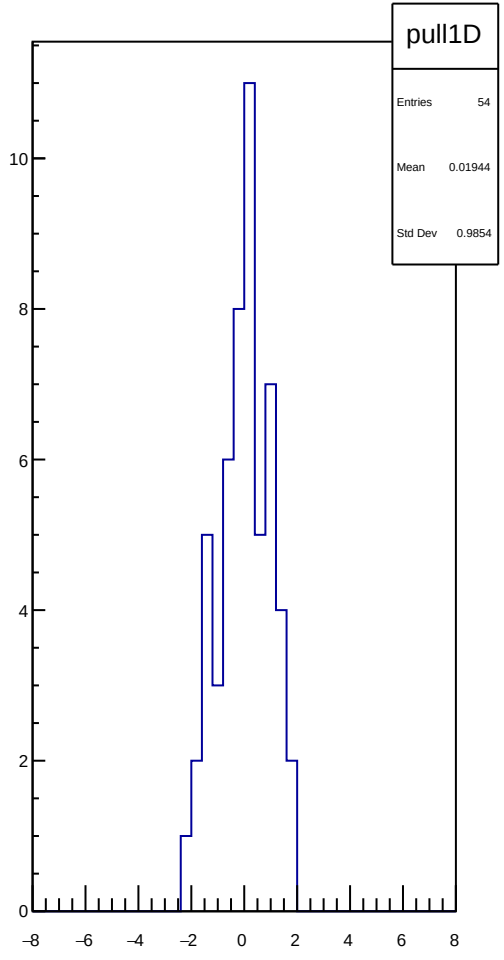

asym_atl_dd_cor_correction_rms vs run
χ² / ndf 3.927e+04 / 53
p0 2640 ± 2.648
4000
3500
3000
2500
2000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

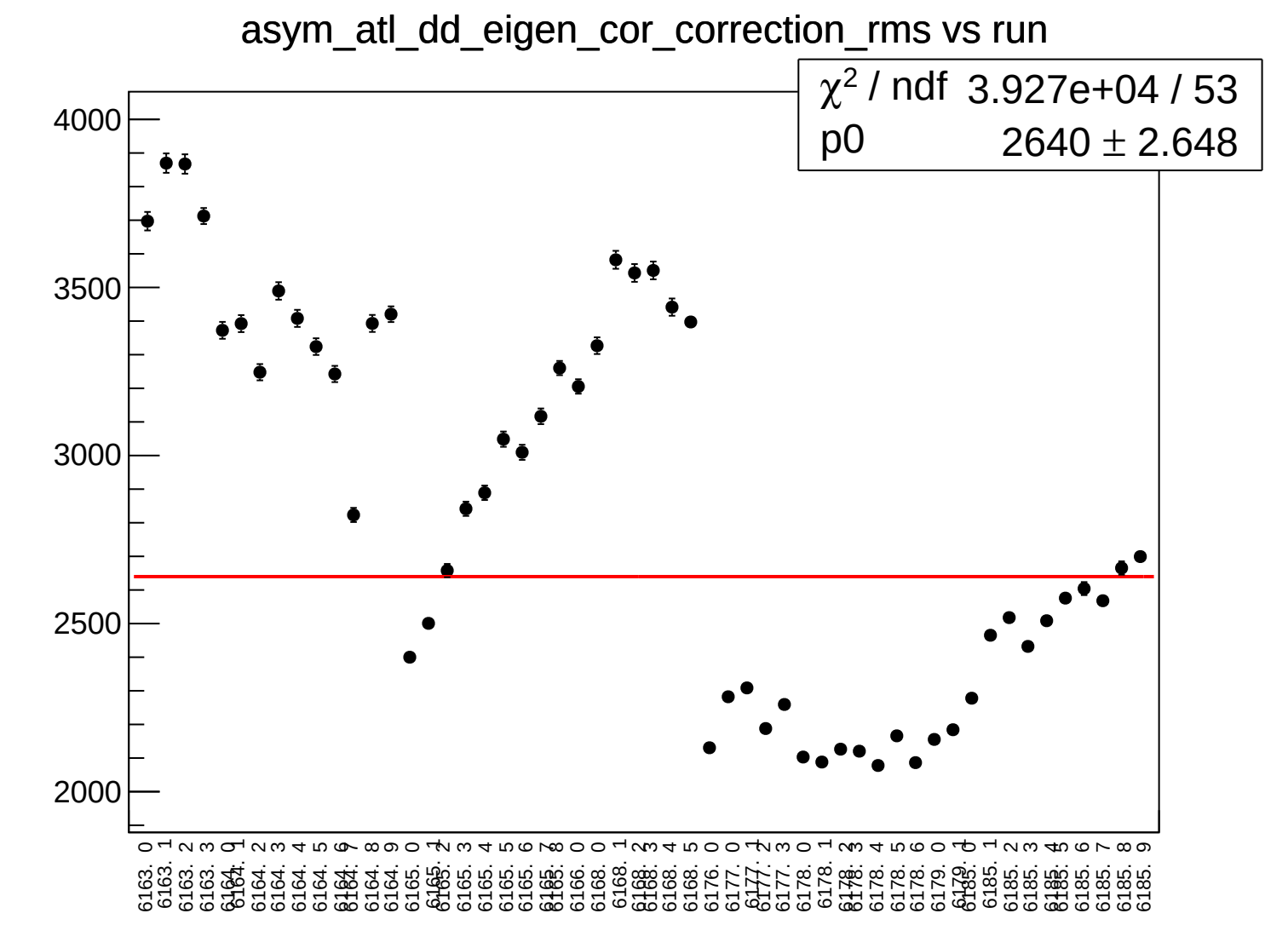

eigen_cor_asym_atl_dd_mean vs run
χ² / ndf 75.33 / 53
p0 −2027 ± 2150
pull
Entries 54
Mean −897
Std Dev 0

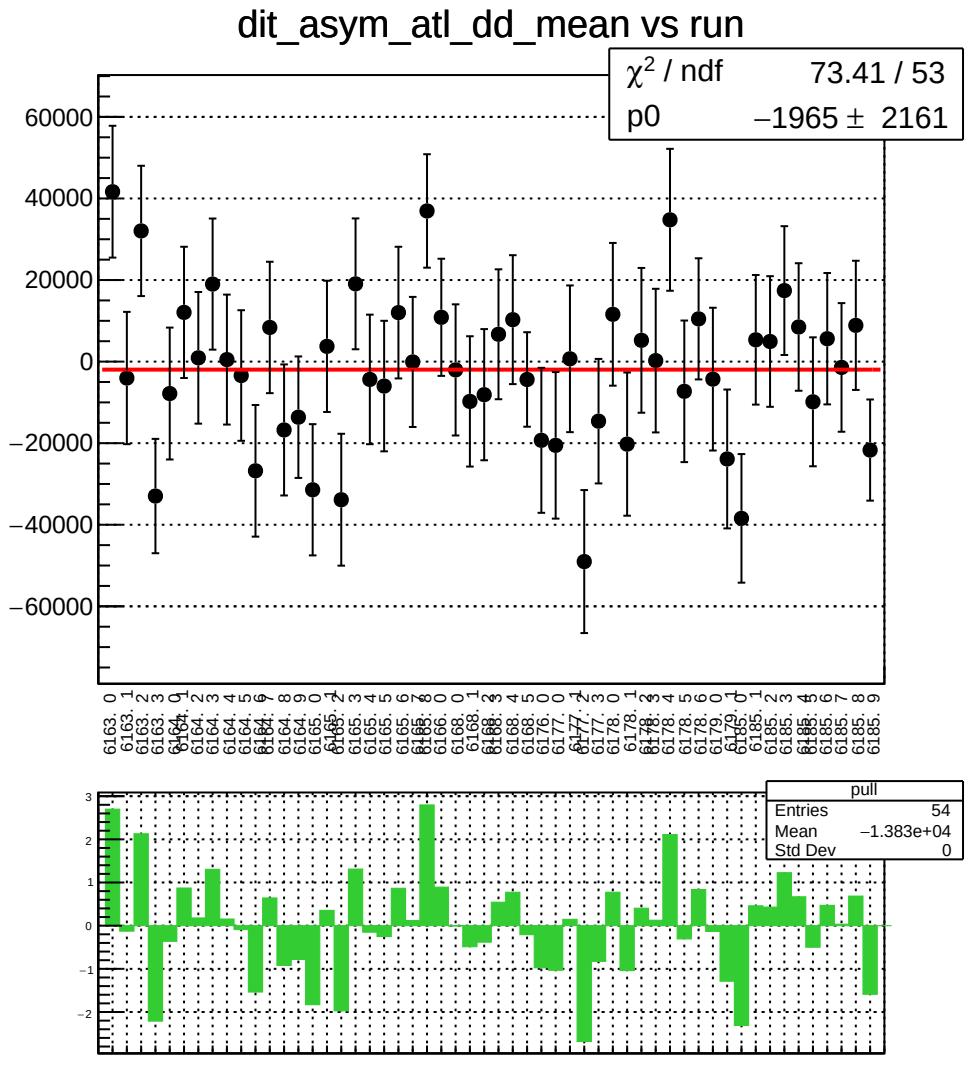

pull1D
Entries 54
Mean 0.001816
Std Dev 1.181

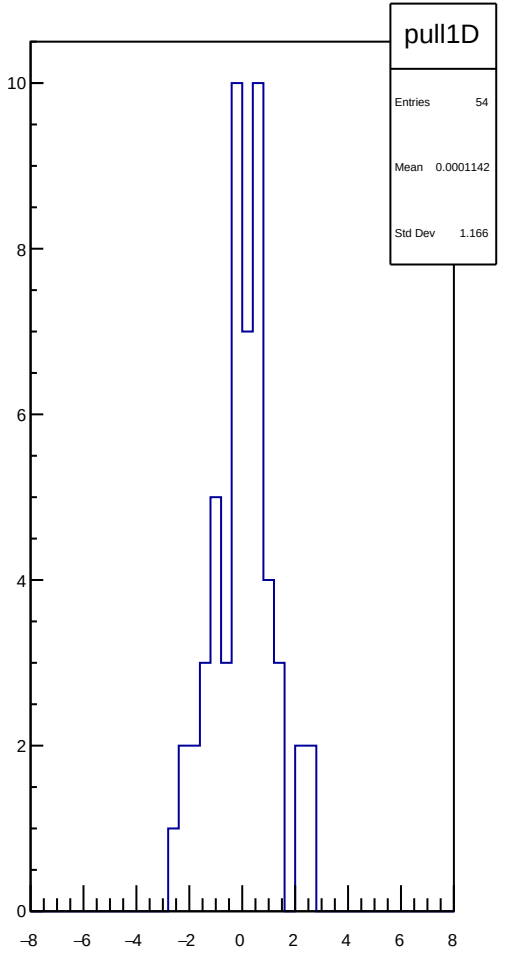

eigen_cor_asym_atl_dd_rms vs run
χ² / ndf 1681 / 53
p0 1544 ± 1.52
1700
1650
1600
1550
1500
1450
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

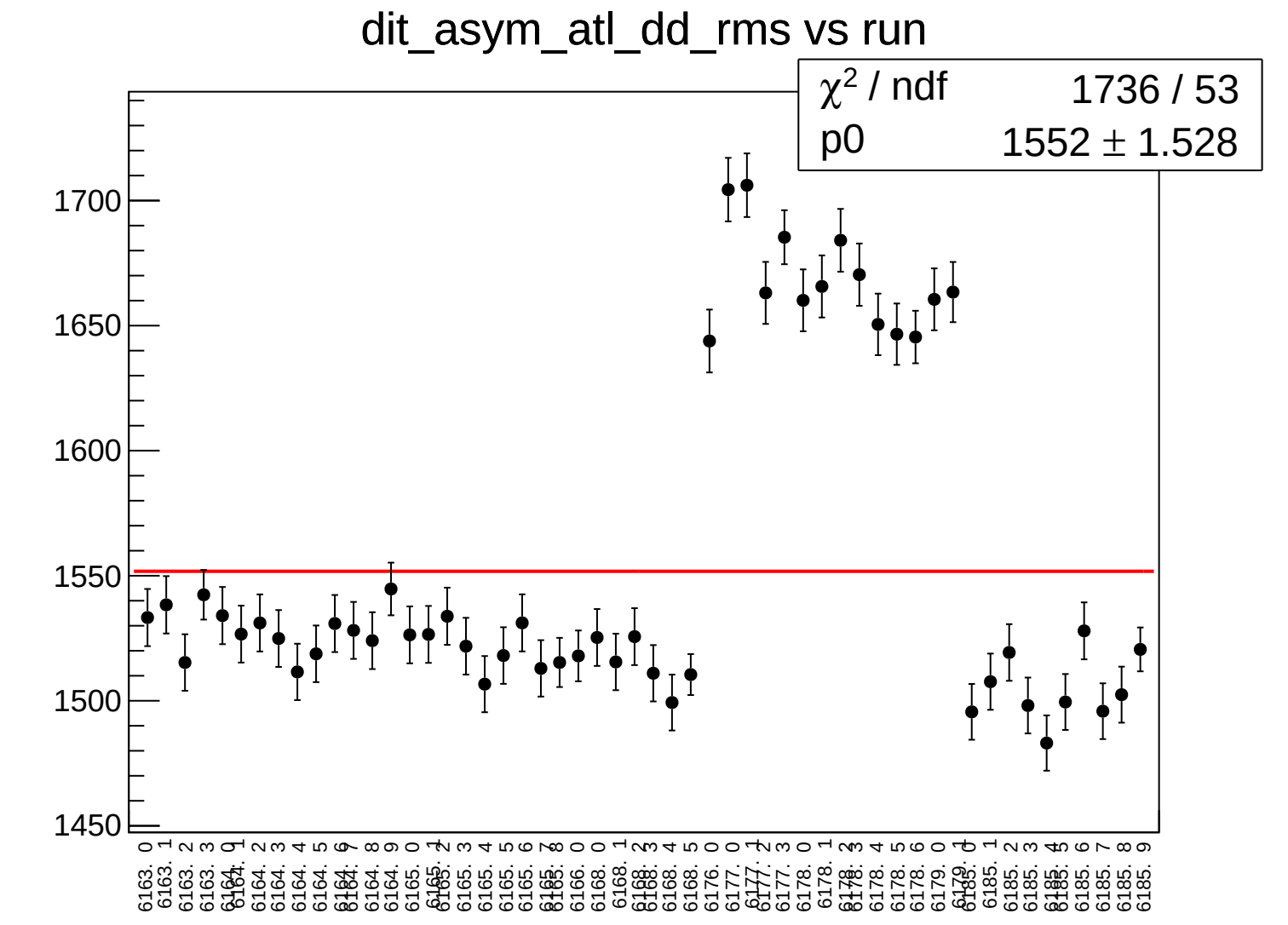

asym_atl_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 52.46 / 53
p0 3137 ± 3745
100
50
0
−50
−100
pull
Entries 54
Mean 18.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

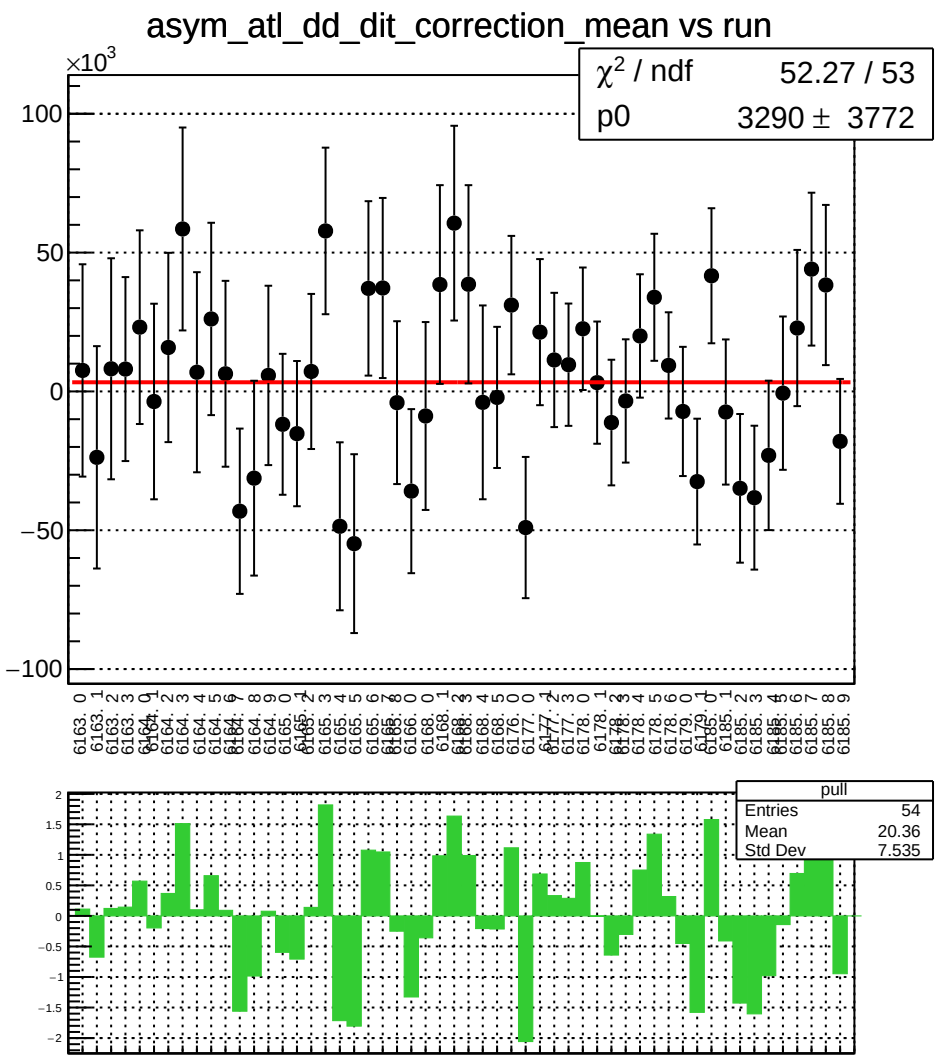

pull1D
Entries 54
Mean 0.01944
Std Dev 0.9854
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

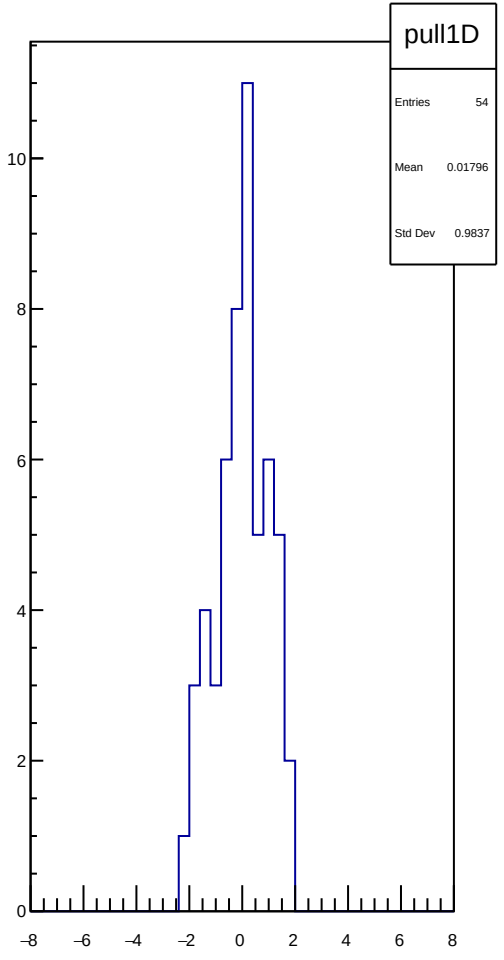

asym_atl_dd_eigen_cor_correction_rms vs run
χ² / ndf 3.927e+04 / 53
p0 2640 ± 2.648
4000
3500
3000
2500
2000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

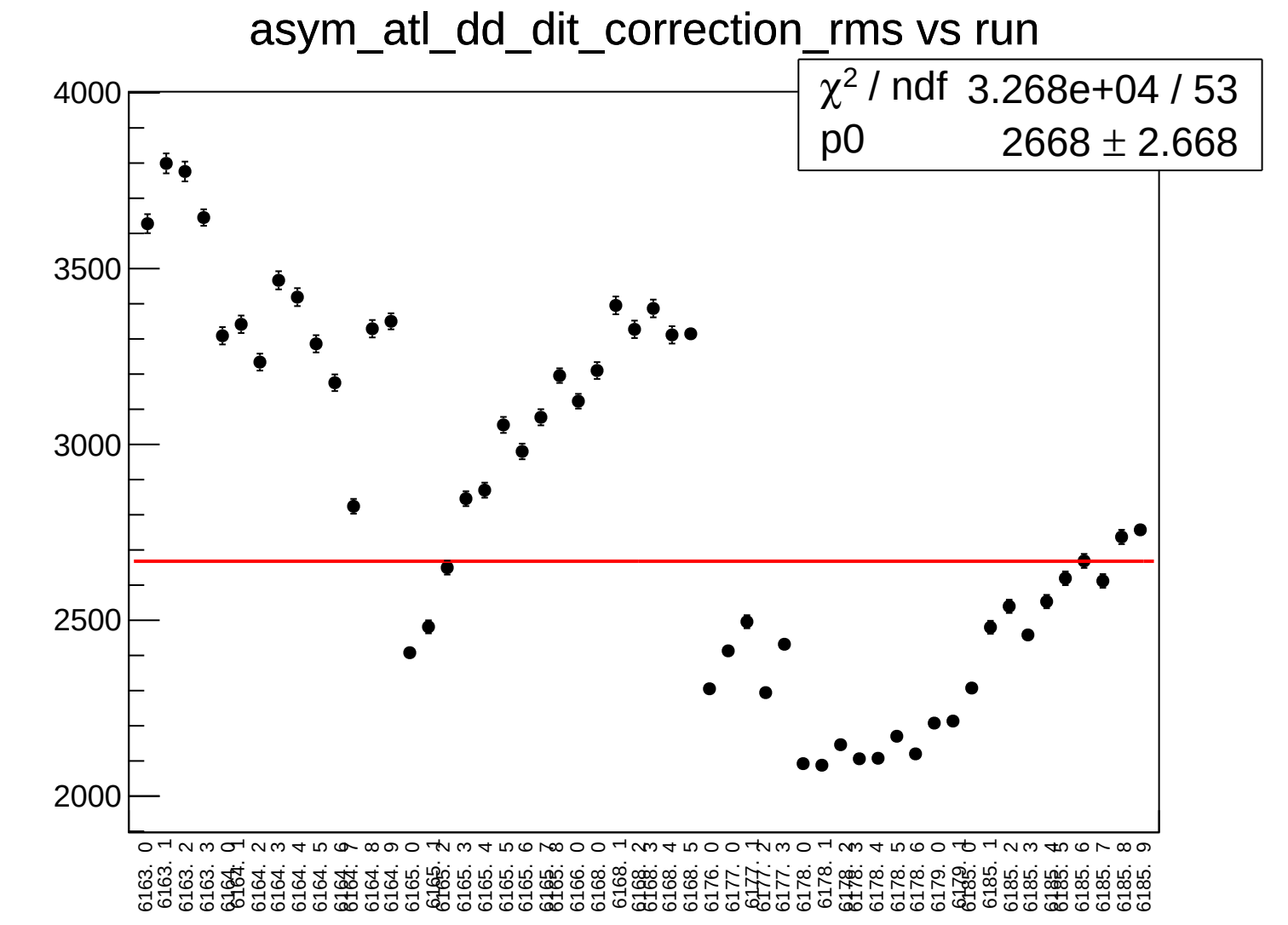

dit_asym_atl_dd_mean vs run
χ² / ndf 73.41 / 53
p0 −1965 ± 2161
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean −1.383e+04
Std Dev 0
3
2
1
0
−1
−2

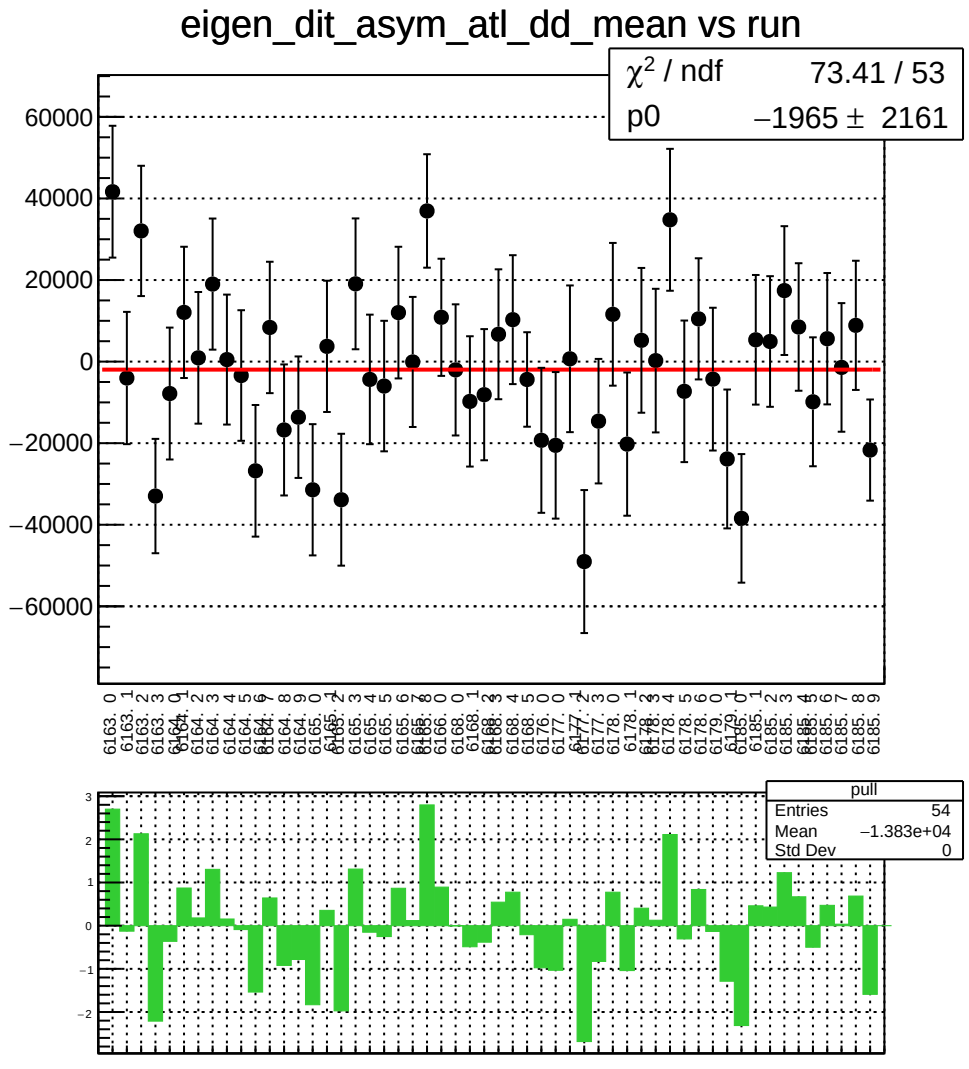

pull1D
Entries 54
Mean 0.0001142
Std Dev 1.166
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

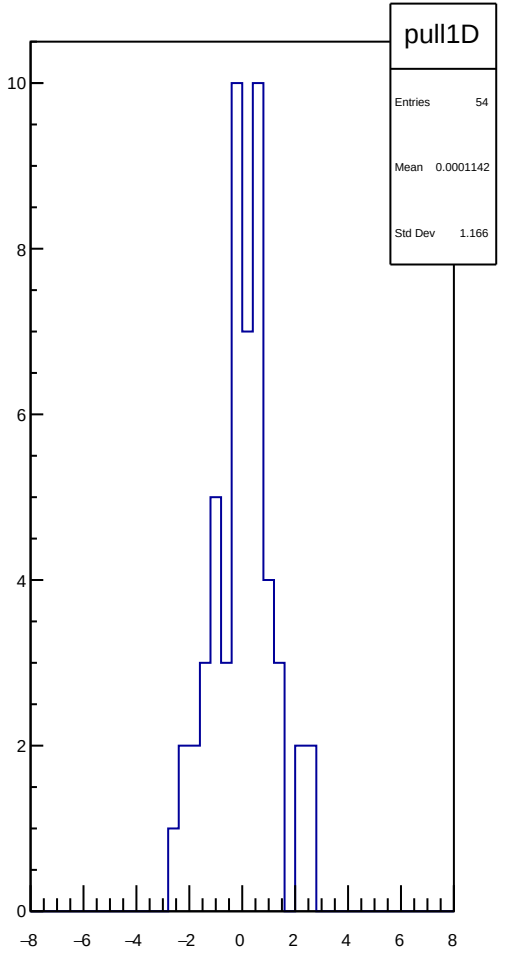

dit_asym_atl_dd_rms vs run
χ^2 / ndf 1736 / 53
p0 1552 ± 1.528
1700
1650
1600
1550
1500
1450
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

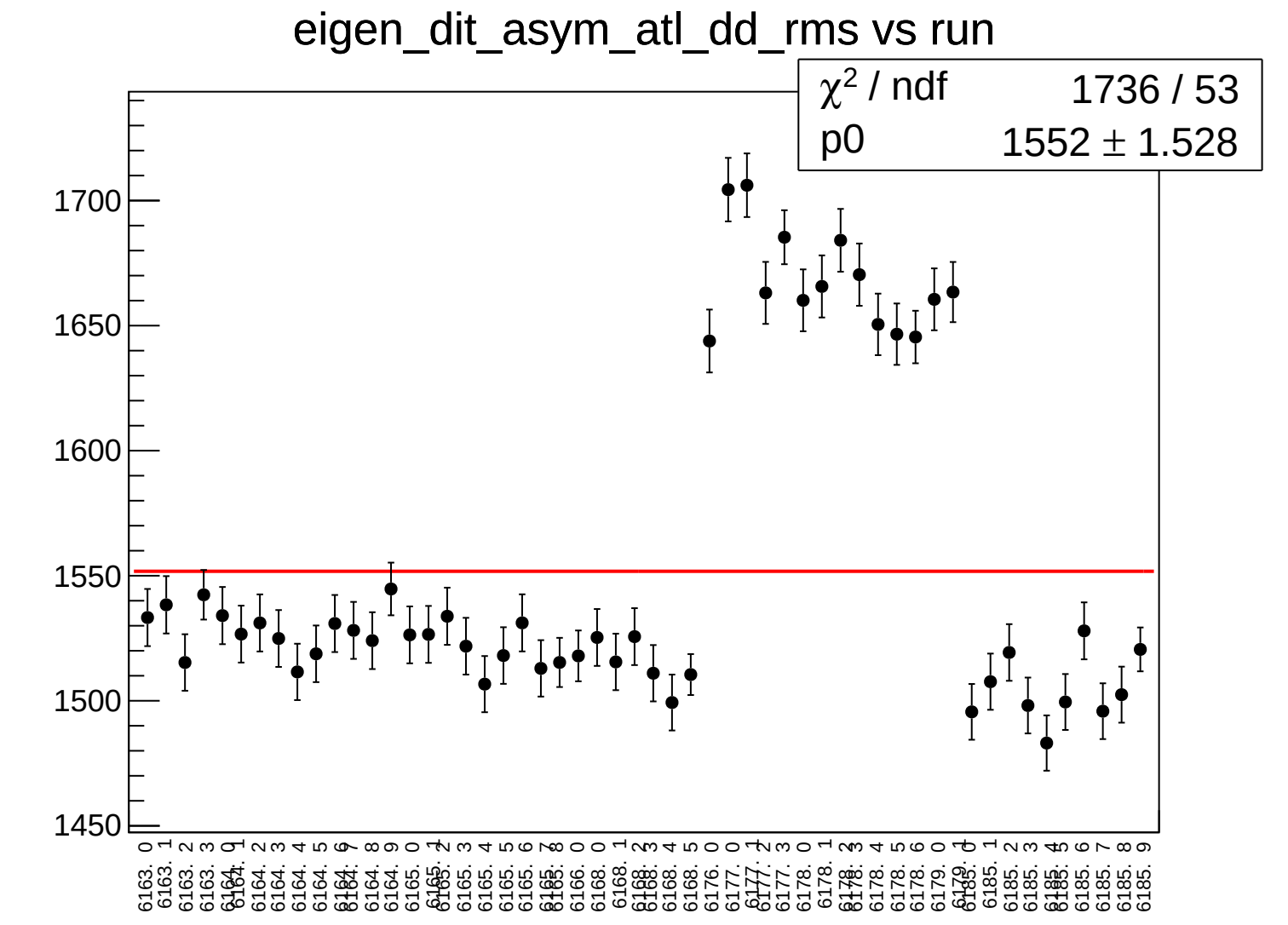

asym_atl_dd_dit_correction_mean vs run
×10^3
χ² / ndf 52.27 / 53
p0 3290 ± 3772
100
50
0
−50
−100
pull
Entries 54
Mean 20.36
Std Dev 7.535
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

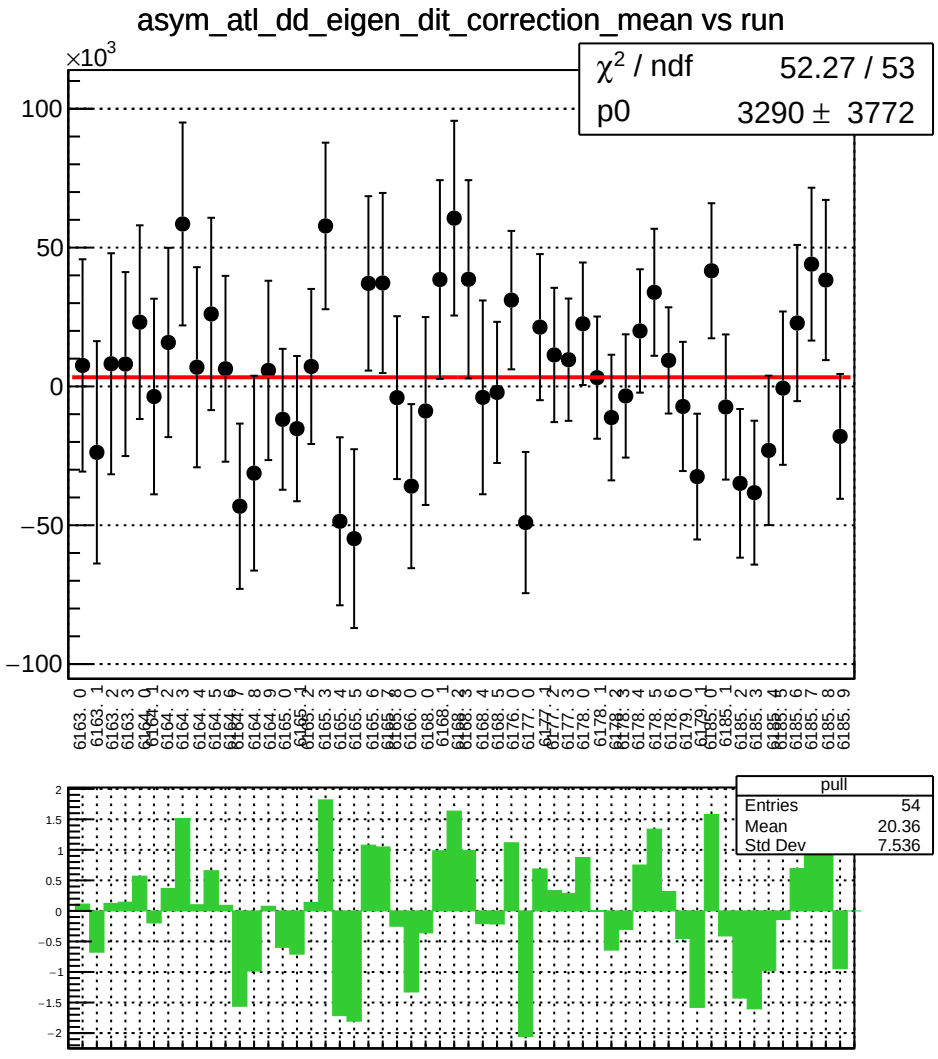

pull1D
Entries 54
Mean 0.01796
Std Dev 0.9837
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

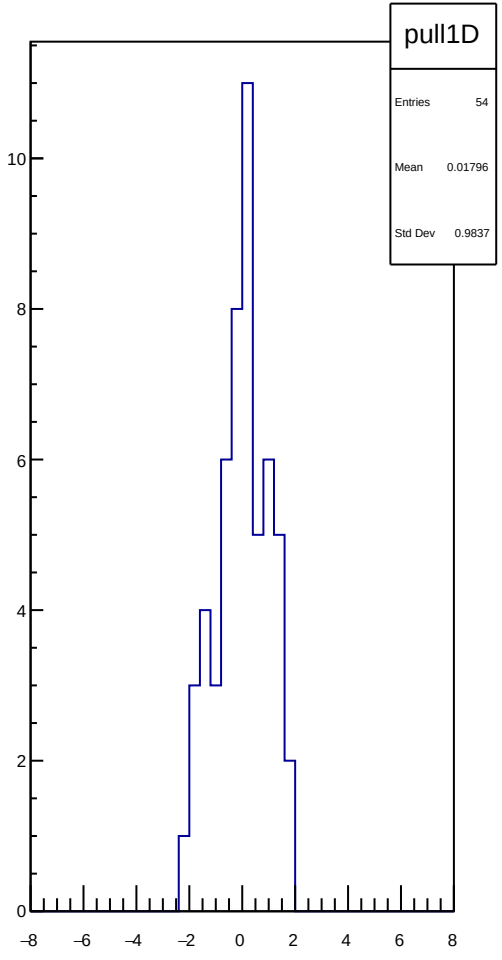

asym_atl_dd_dit_correction_rms vs run
χ² / ndf 3.268e+04 / 53
p0 2668 ± 2.668
4000
3500
3000
2500
2000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

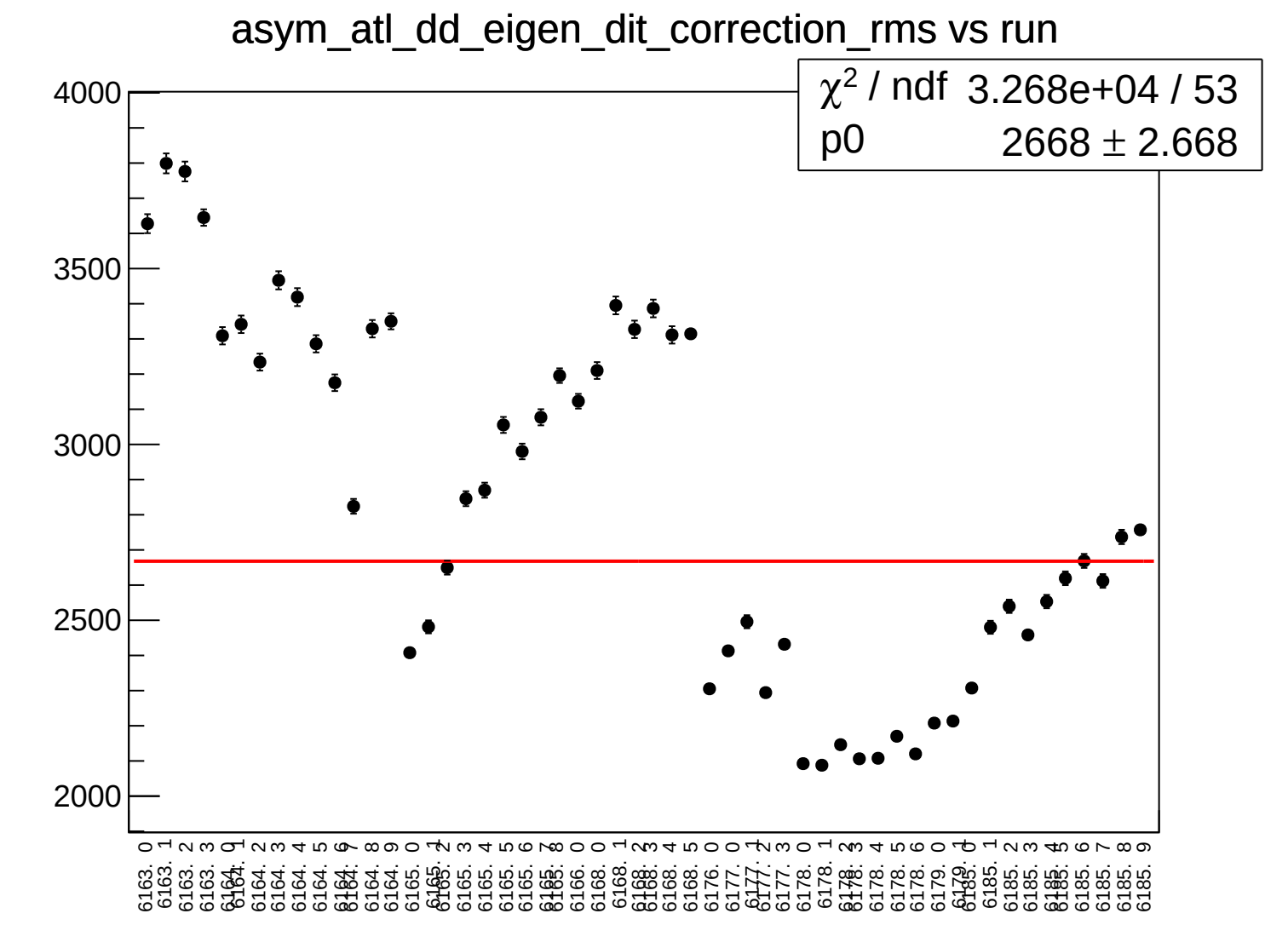

eigen_dit_asym_atl_dd_mean vs run
χ² / ndf 73.41 / 53
p0 −1965 ± 2161
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean −1.383e+04
Std Dev 0
3
2
1
0
−1
−2

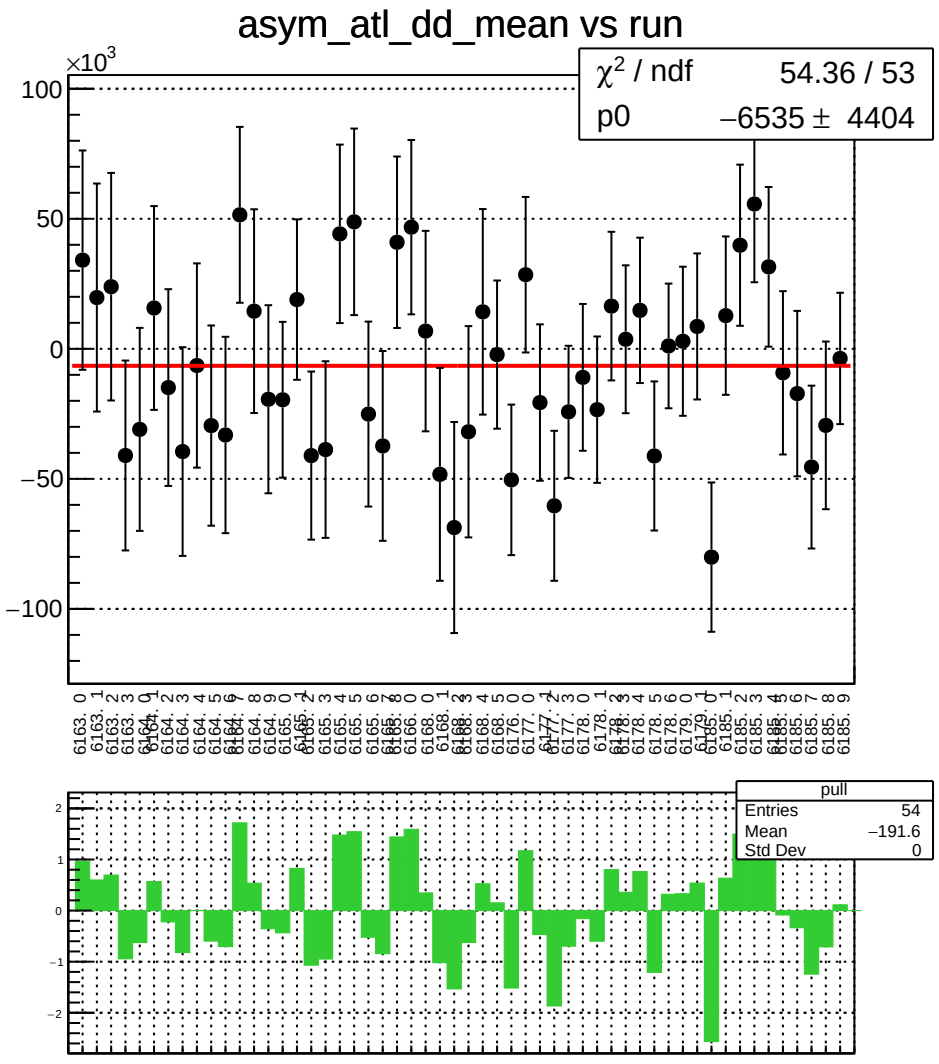

pull1D
Entries 54
Mean 0.0001142
Std Dev 1.166
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

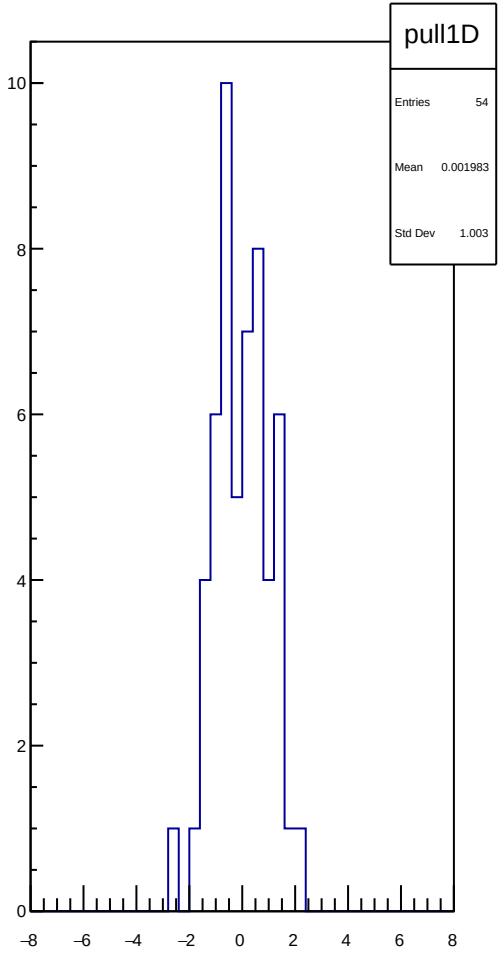

eigen_dit_asym_atl_dd_rms vs run
χ² / ndf 1736 / 53
p0 1552 ± 1.528
1700
1650
1600
1550
1500
1450
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

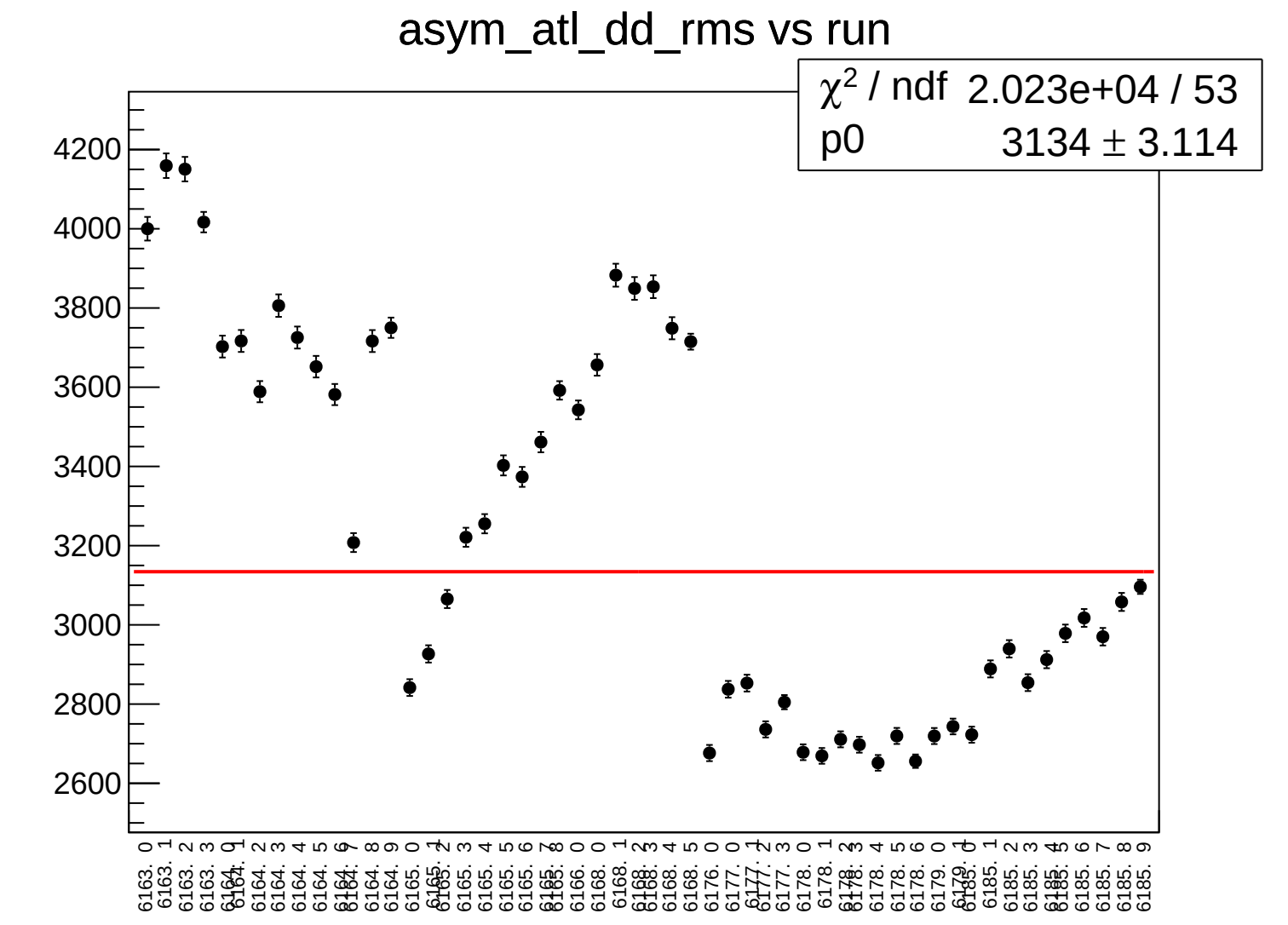

asym_atl_dd_eigen_dit_correction_mean vs run
χ² / ndf 52.27 / 53
p0 3290 ± 3772
pull
Entries 54
Mean 20.36
Std Dev 7.536

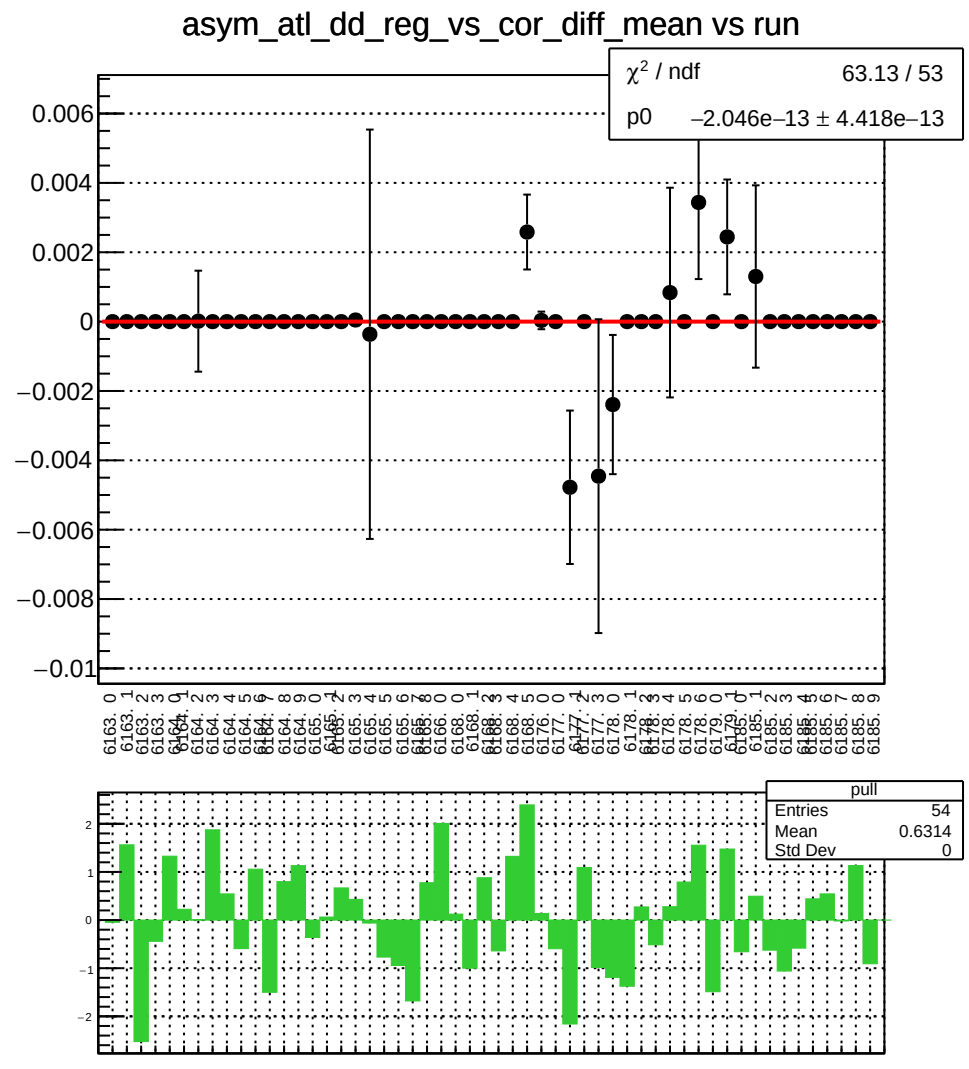

pull1D
Entries 54
Mean 0.01796
Std Dev 0.9837

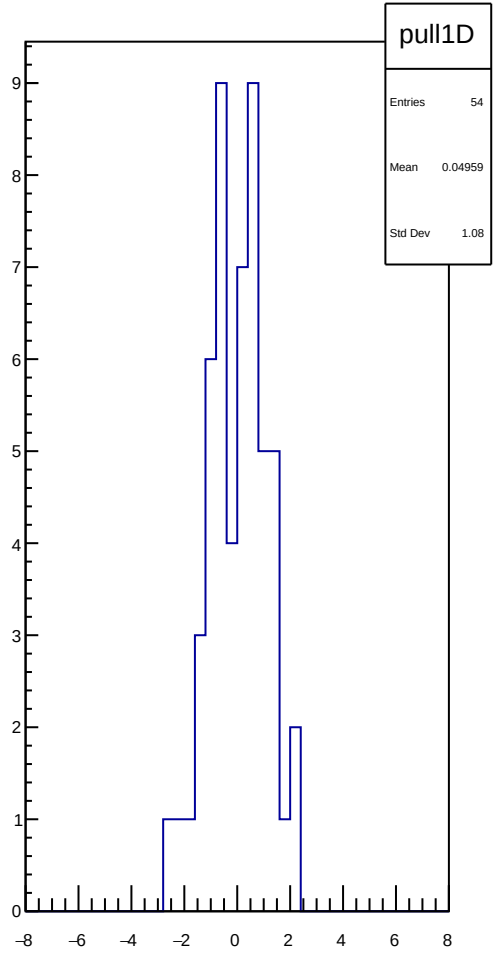

asym_atl_dd_eigen_dit_correction_rms vs run
χ² / ndf 3.268e+04 / 53
p0 2668 ± 2.668
4000
3500
3000
2500
2000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

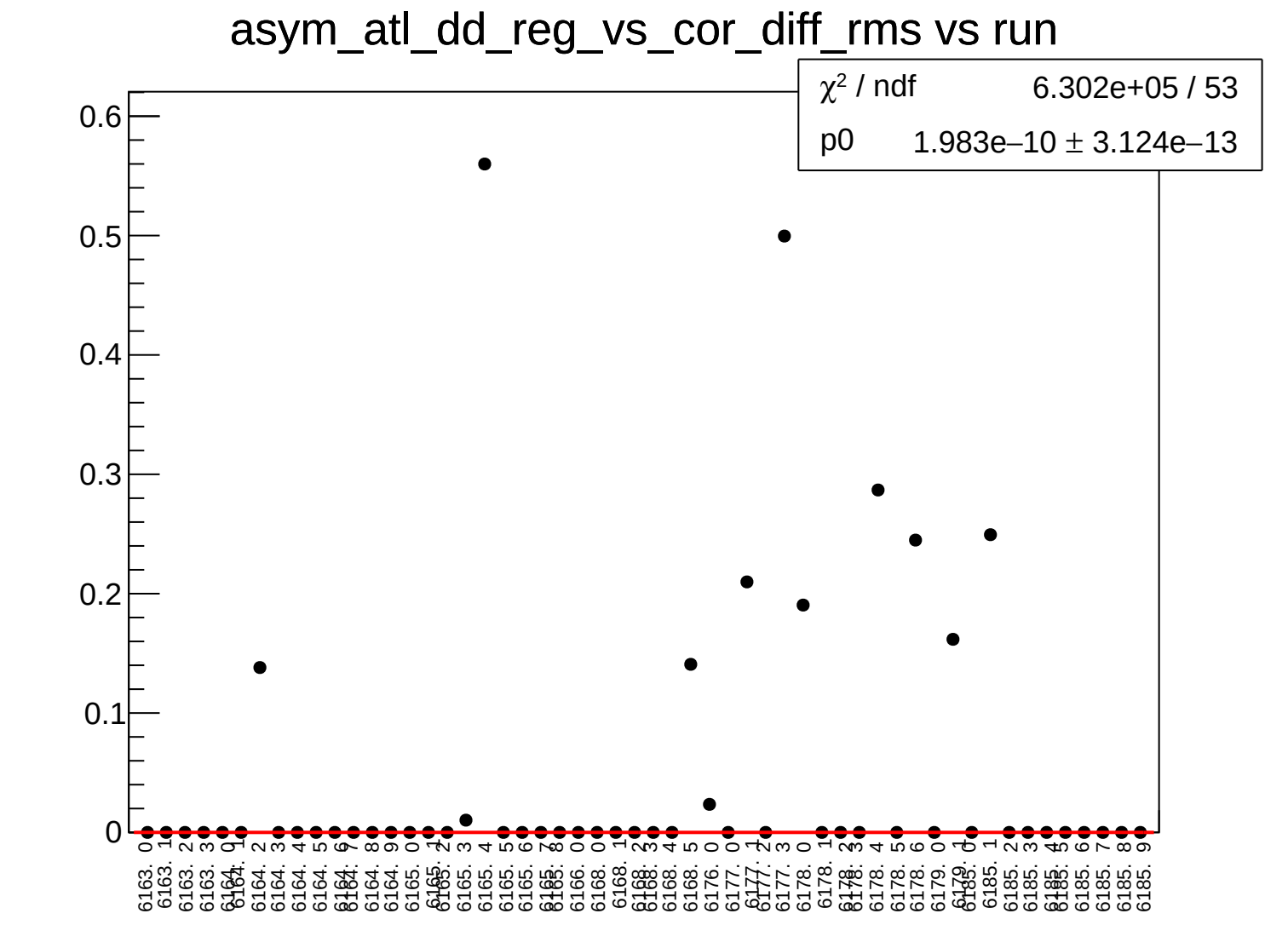

asym_atl_dd_mean vs run
×10^3
χ² / ndf 54.36 / 53
p0 −6535 ± 4404
pull
Entries 54
Mean −191.6
Std Dev 0

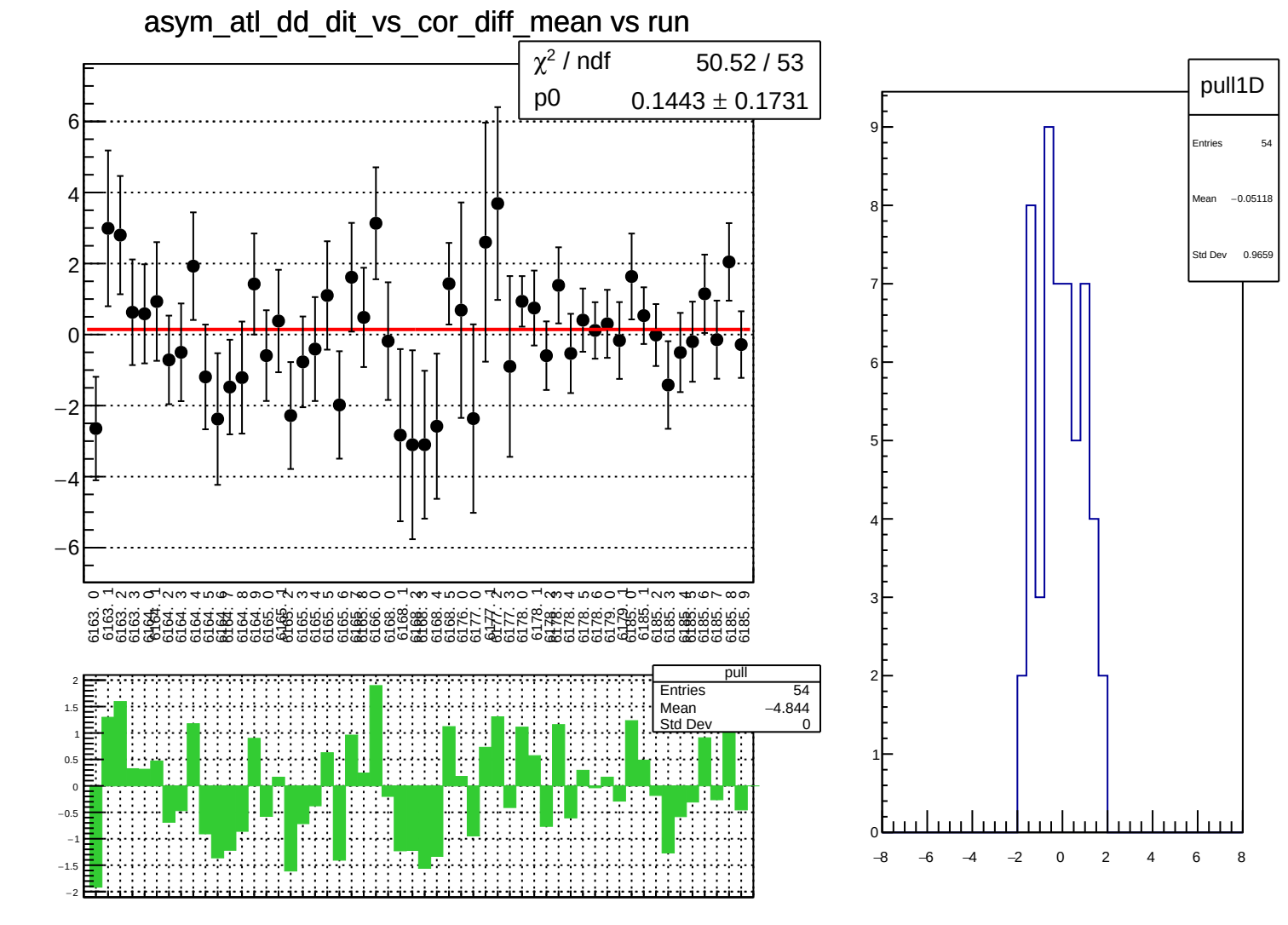

pull1D
Entries 54
Mean 0.001983
Std Dev 1.003

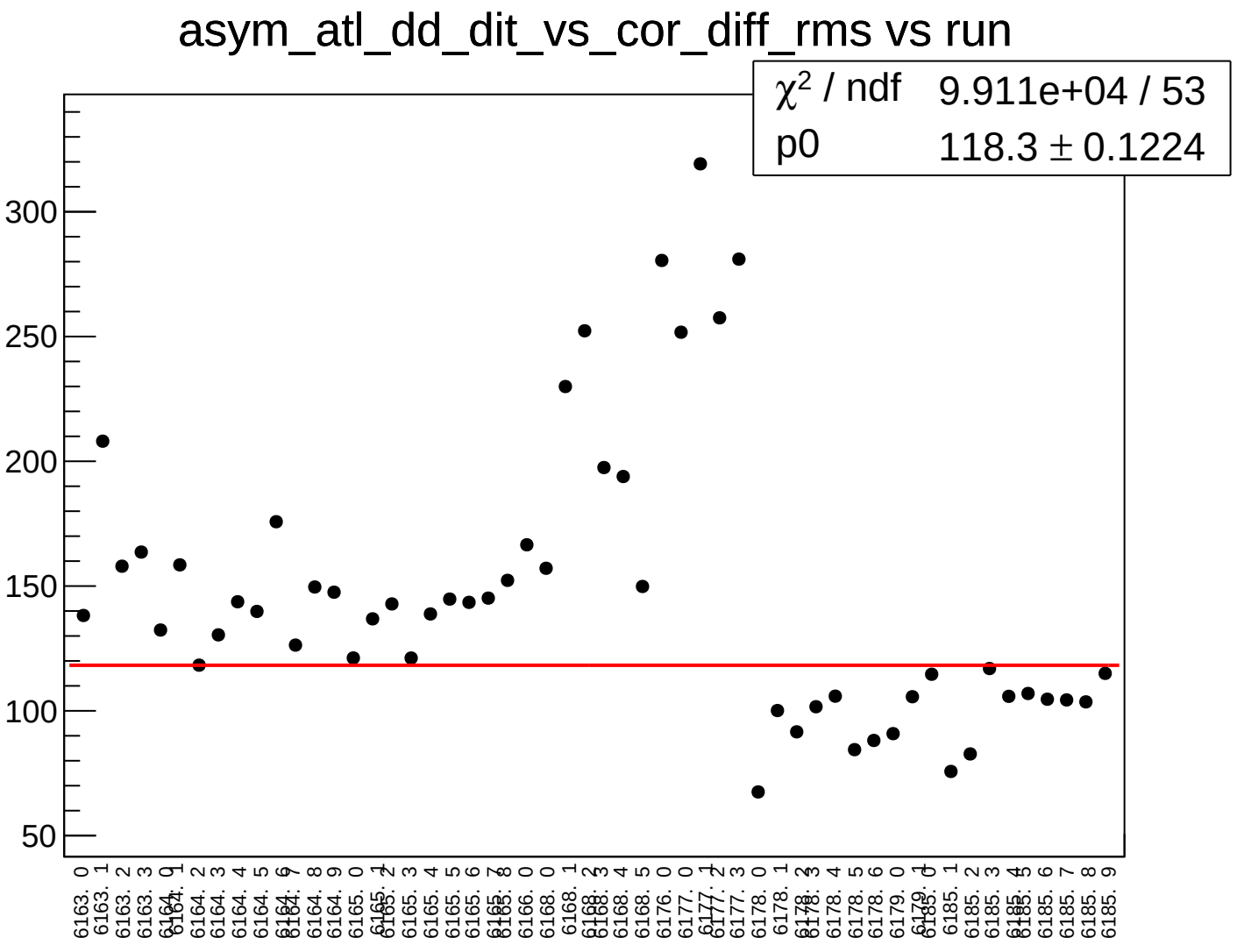

asym_atl_dd_rms vs run
χ² / ndf 2.023e+04 / 53
p0 3134 ± 3.114
4200
4000
3800
3600
3400
3200
3000
2800
2600
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

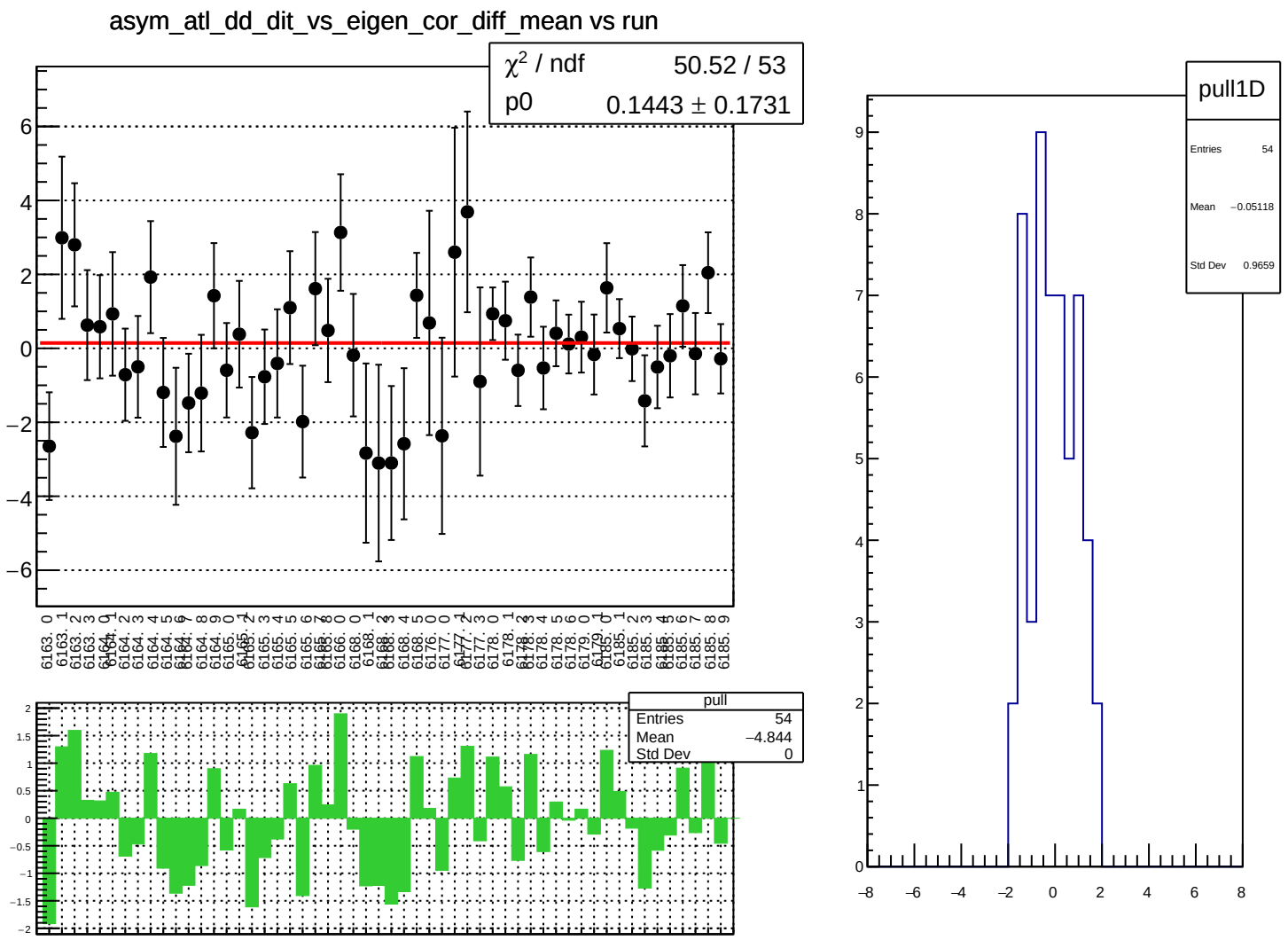

asym_atl_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 63.13 / 53
p0 −2.046e−13 ± 4.418e−13
pull
Entries 54
Mean 0.6314
Std Dev 0

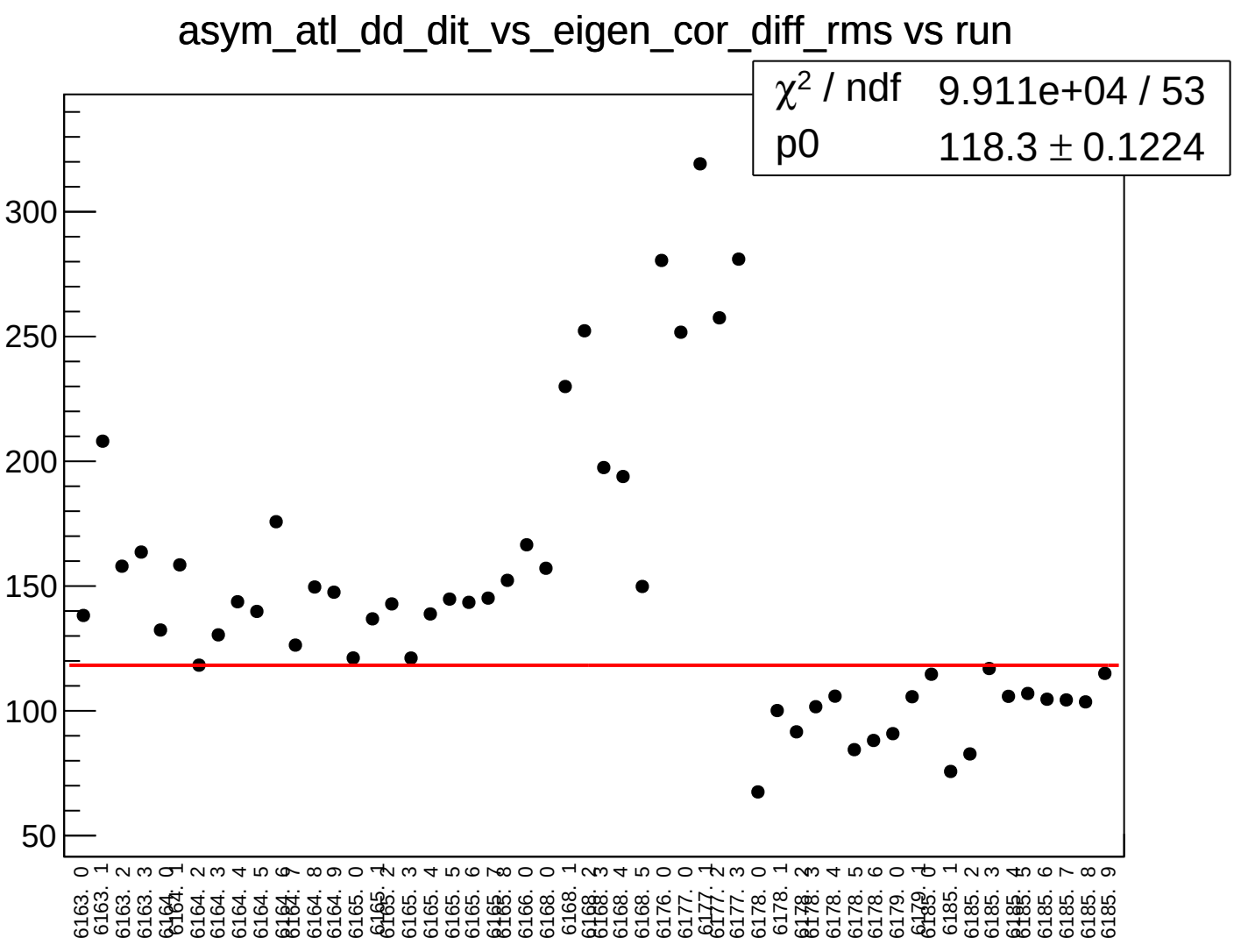

pull1D
Entries 54
Mean 0.04959
Std Dev 1.08

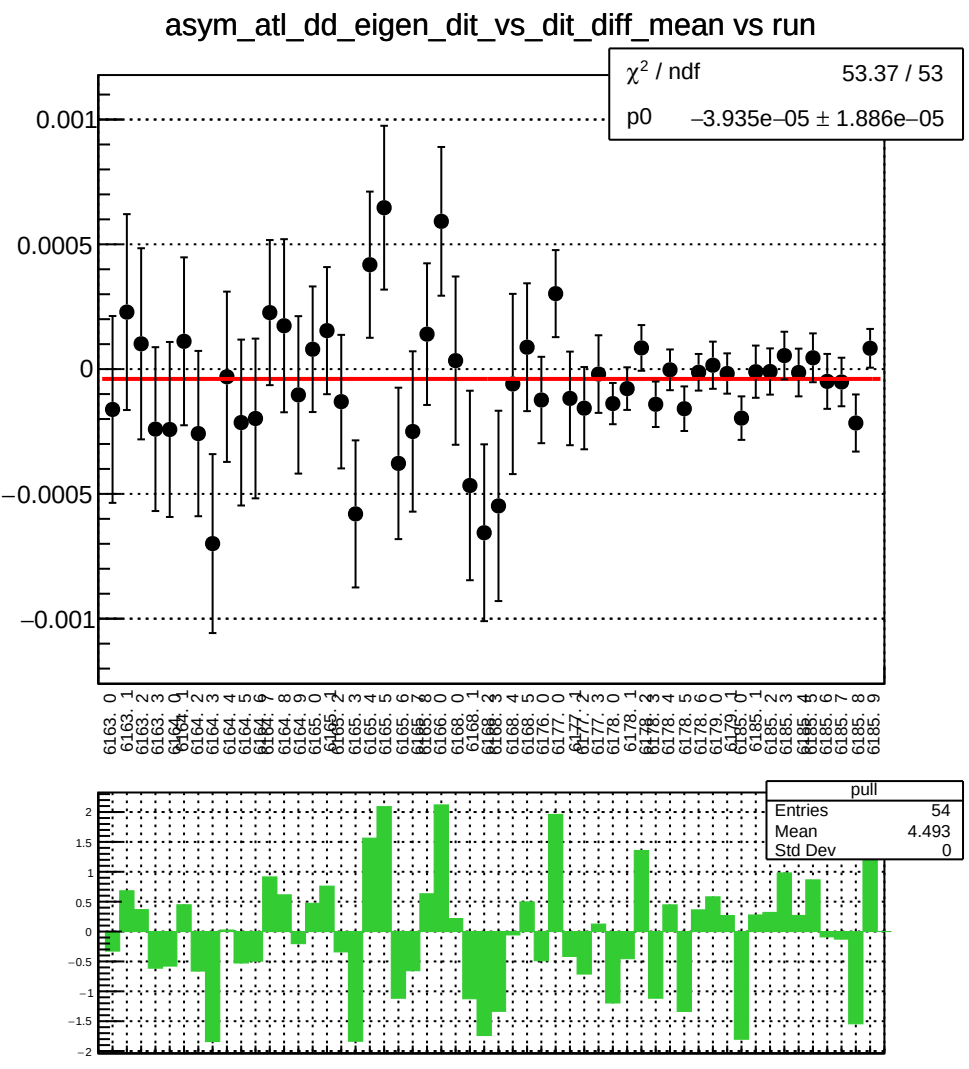

asym_atl_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.302e+05 / 53
p0 1.983e−10 ± 3.124e−13
0.6
0.5
0.4
0.3
0.2
0.1
0
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

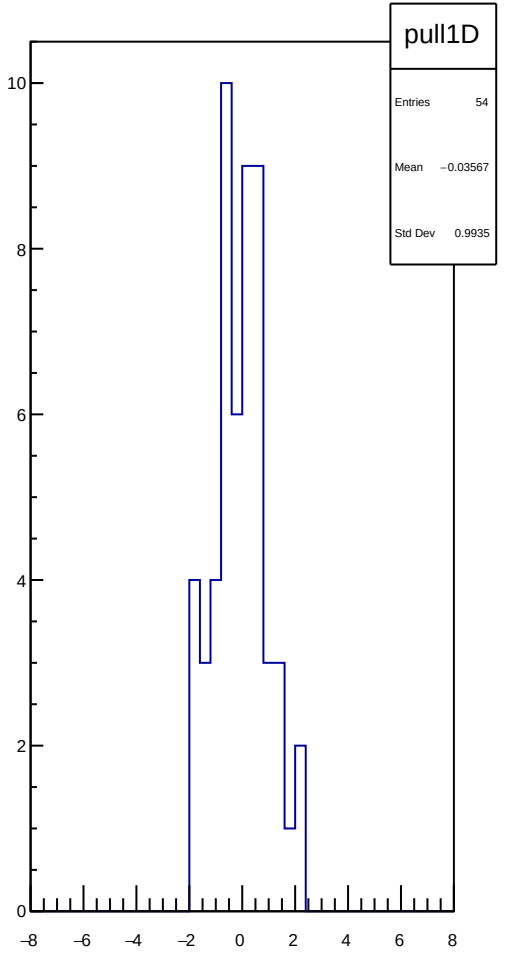

asym_atl_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 50.52 / 53
p0 0.1443 ± 0.1731
pull
Entries 54
Mean −4.844
Std Dev 0
pull1D
Entries 54
Mean −0.05118
Std Dev 0.9659

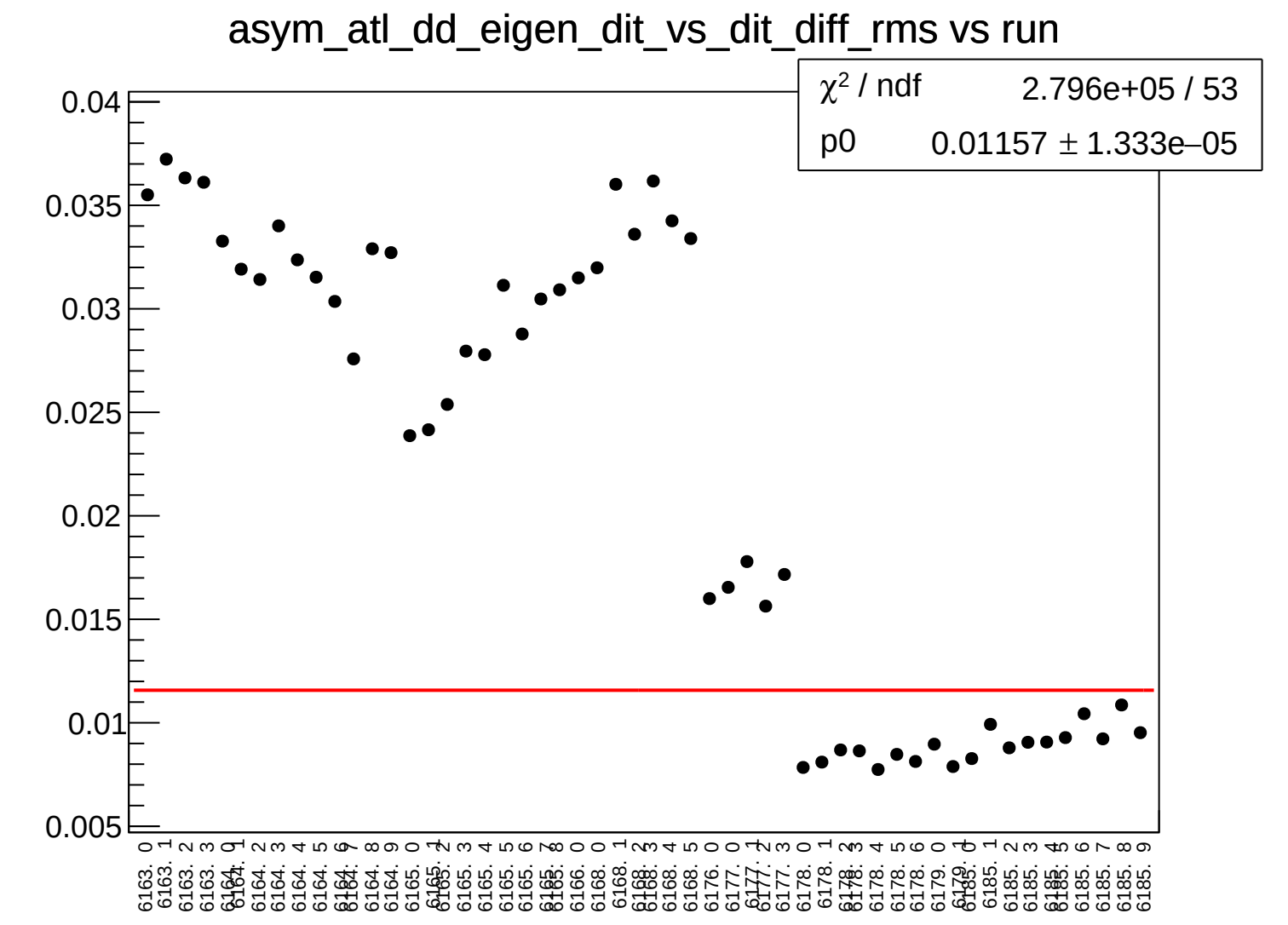

asym_atl_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 9.911e+04 / 53
p0 118.3 ± 0.1224
300
250
200
150
100
50
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

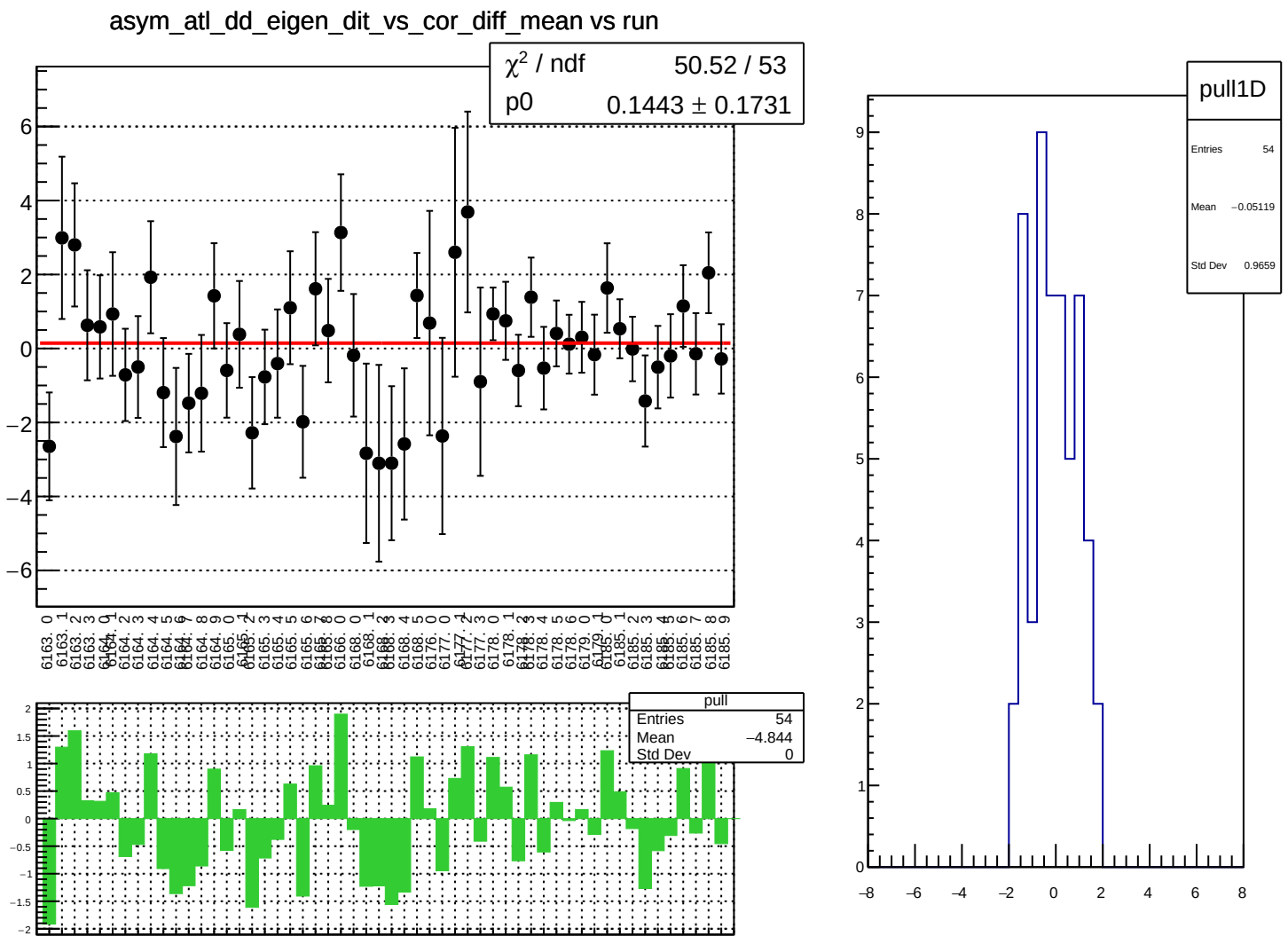

asym_atl_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 50.52 / 53
p0 0.1443 ± 0.1731
pull
Entries 54
Mean −4.844
Std Dev 0
pull1D
Entries 54
Mean −0.05118
Std Dev 0.9659

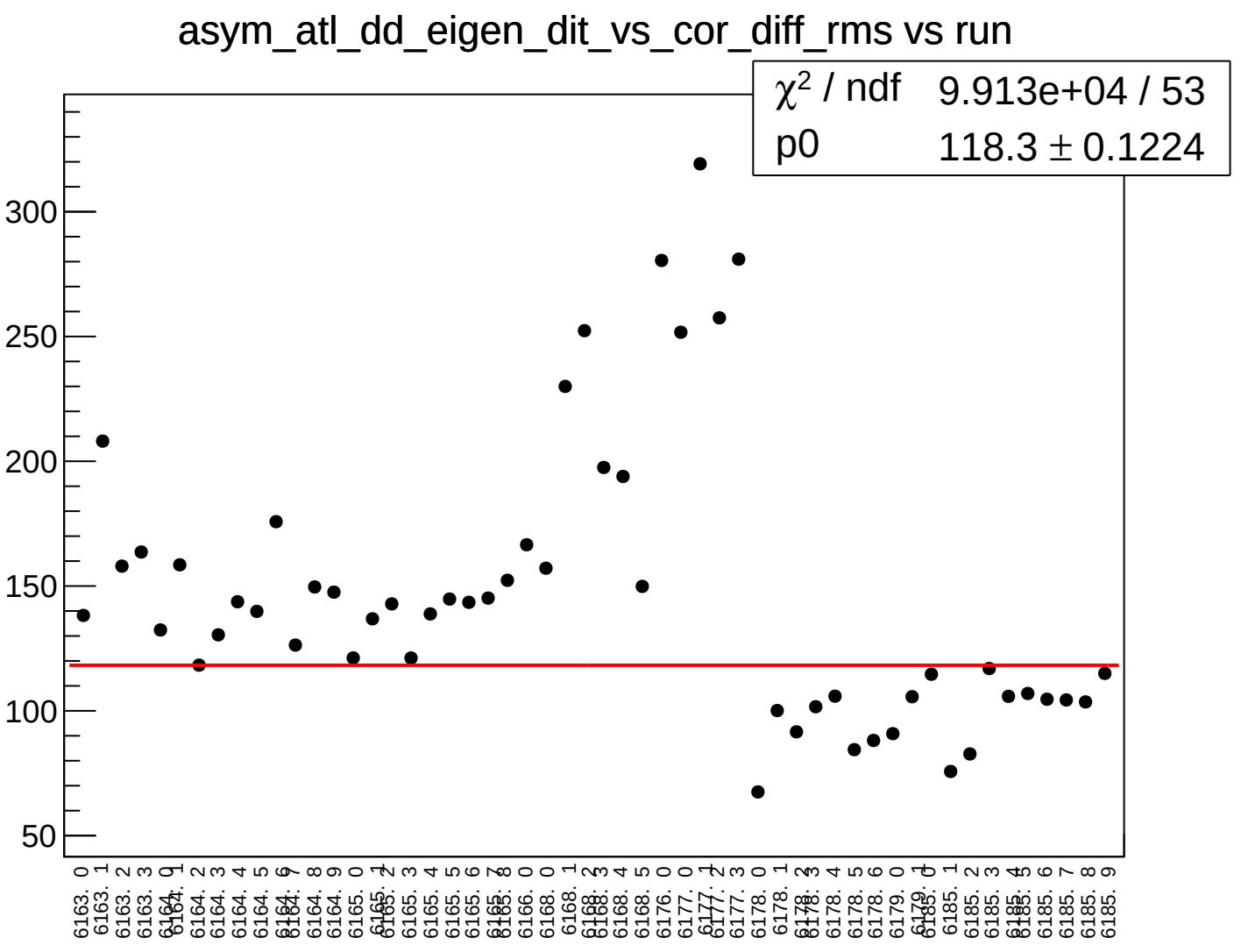

asym_atl_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.911e+04 / 53
p0 118.3 ± 0.1224
300
250
200
150
100
50
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


asym_atl_dd_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 53.37 / 53
p0 −3.935e−05 ± 1.886e−05
0.001
0.0005
0
−0.0005
−0.001
pull
Entries 54
Mean 4.493
Std Dev 0

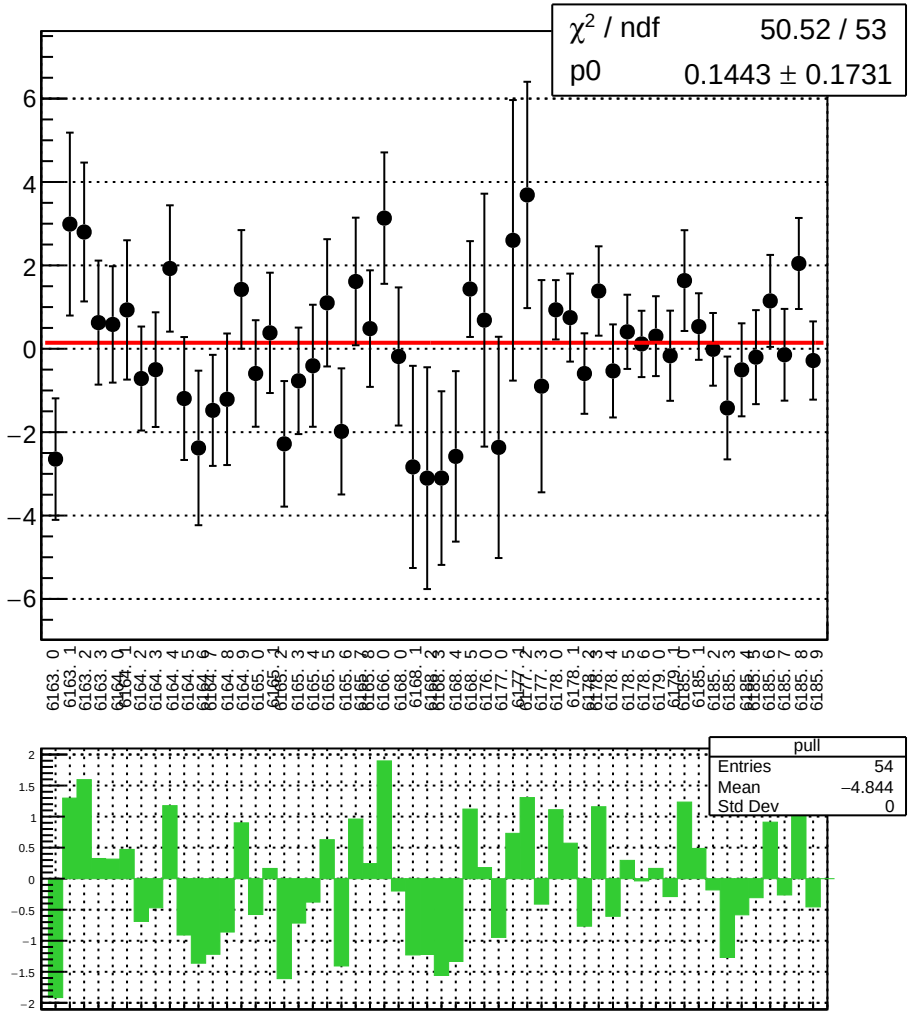

pull1D
Entries 54
Mean −0.03567
Std Dev 0.9935
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

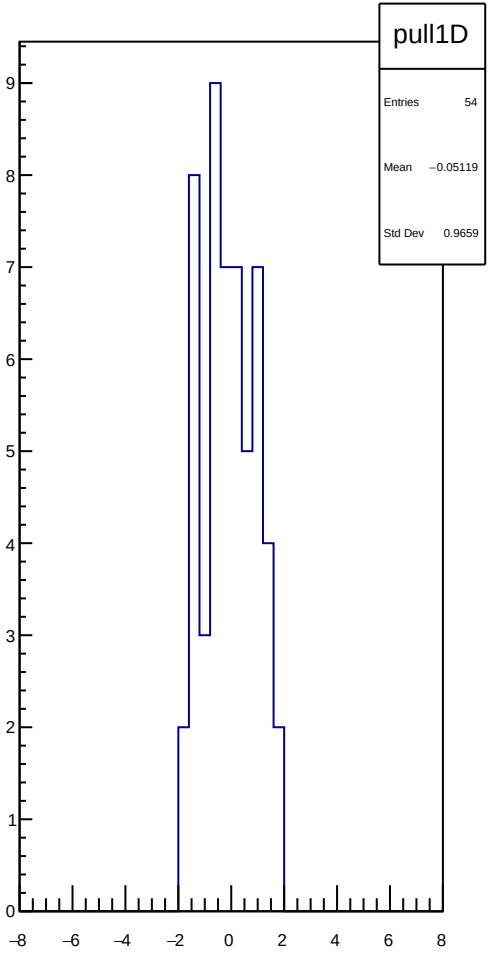

asym_atl_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.796e+05 / 53
p0 0.01157 ± 1.333e−05
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

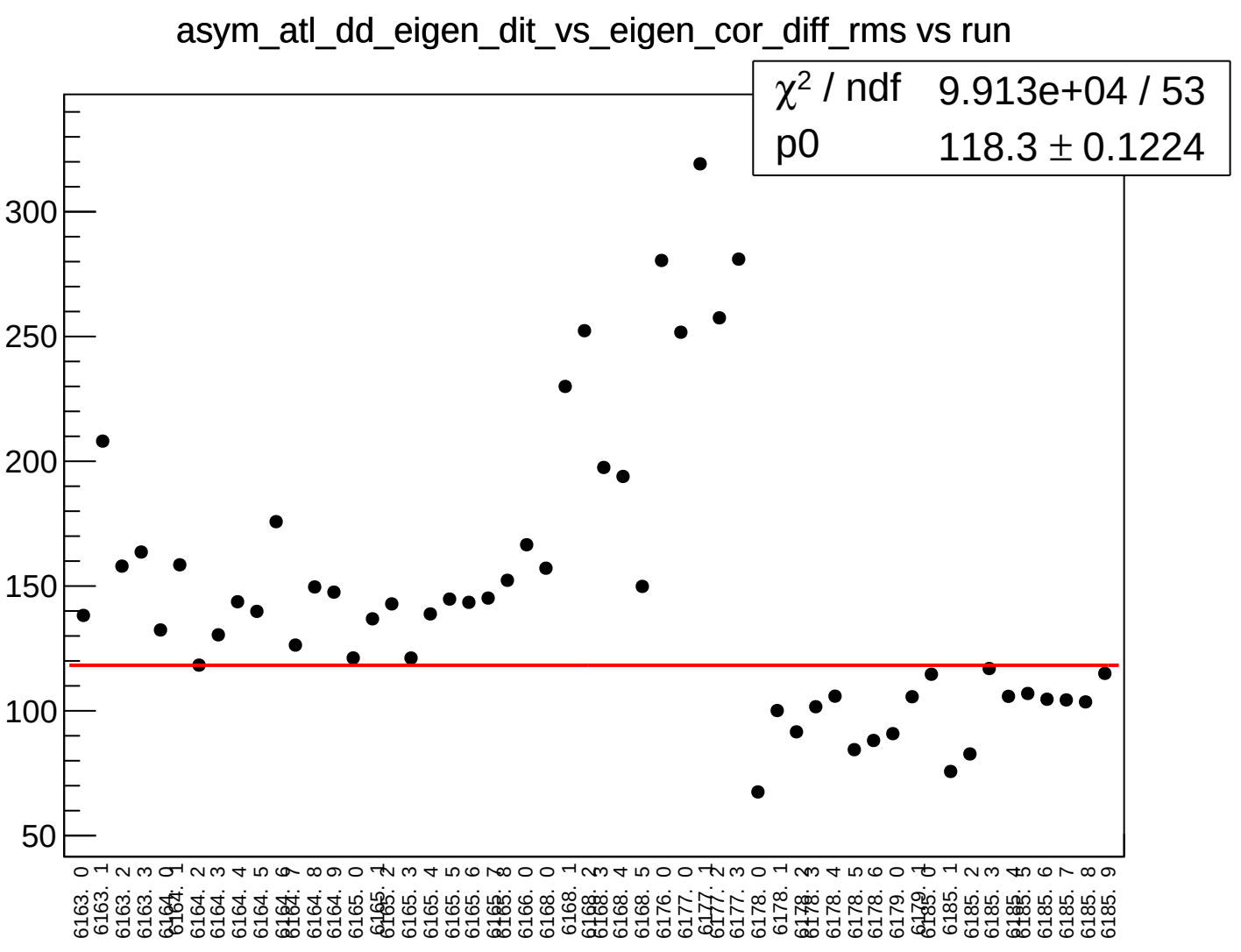

asym_atl_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 50.52 / 53
p0 0.1443 ± 0.1731
pull
Entries 54
Mean −4.844
Std Dev 0
pull1D
Entries 54
Mean −0.05119
Std Dev 0.9659

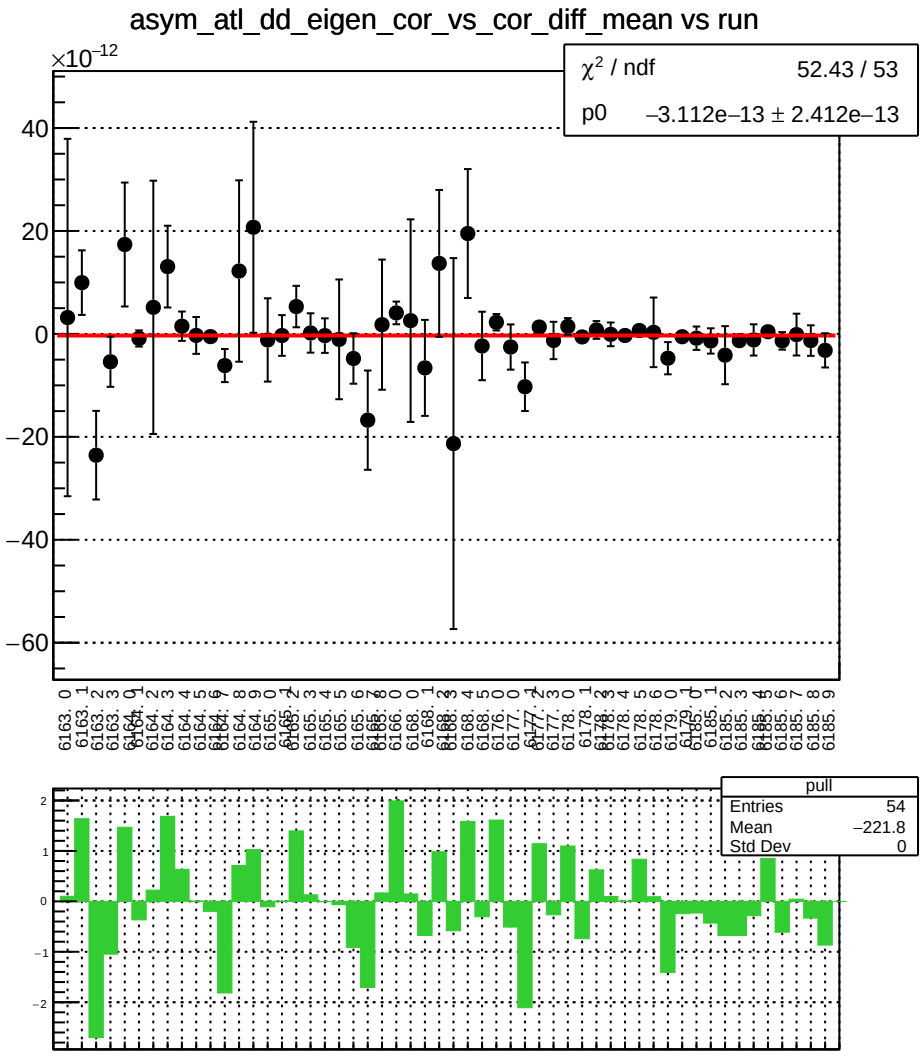

asym_atl_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 9.913e+04 / 53
p0 118.3 ± 0.1224
300
250
200
150
100
50
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

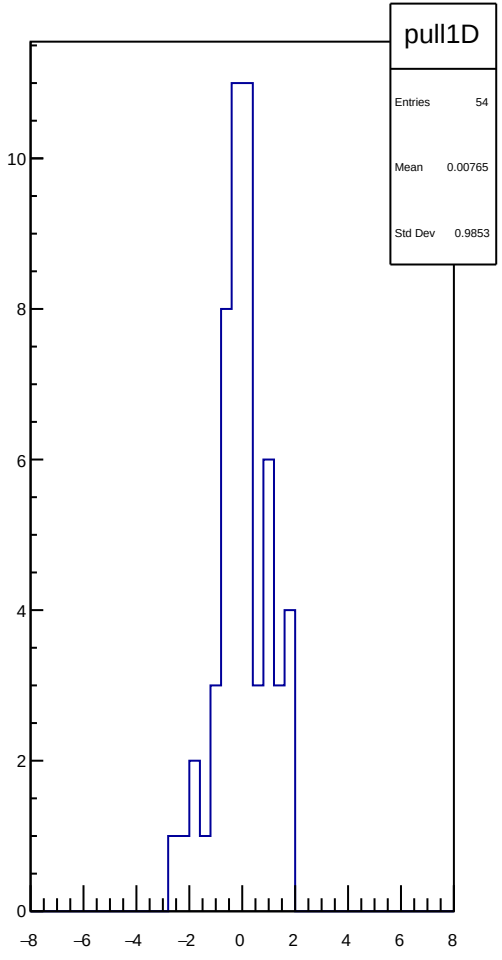
asym_atl_dd_eigen_dit_vs_eigen_cor_diff_mean vs run

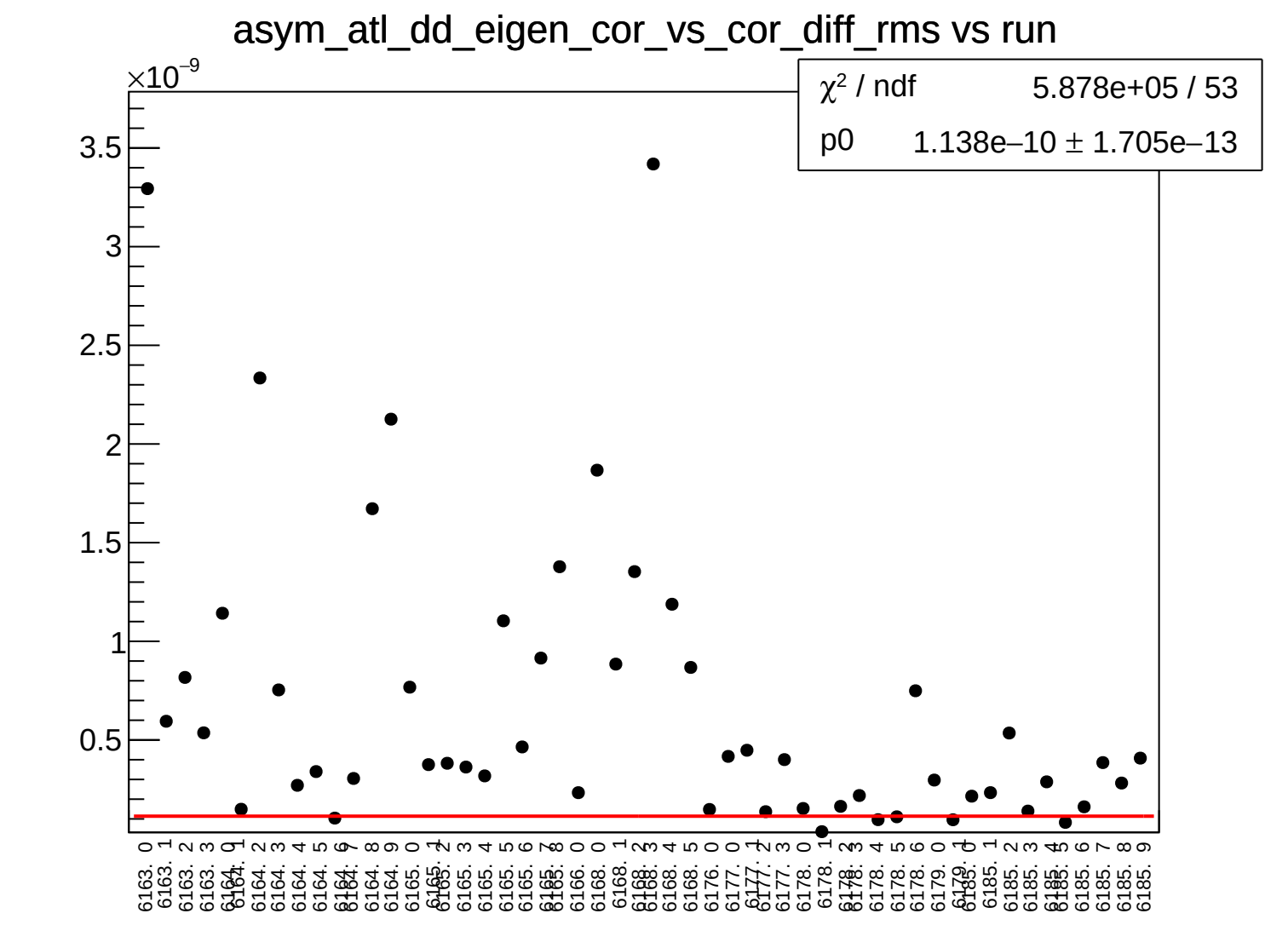


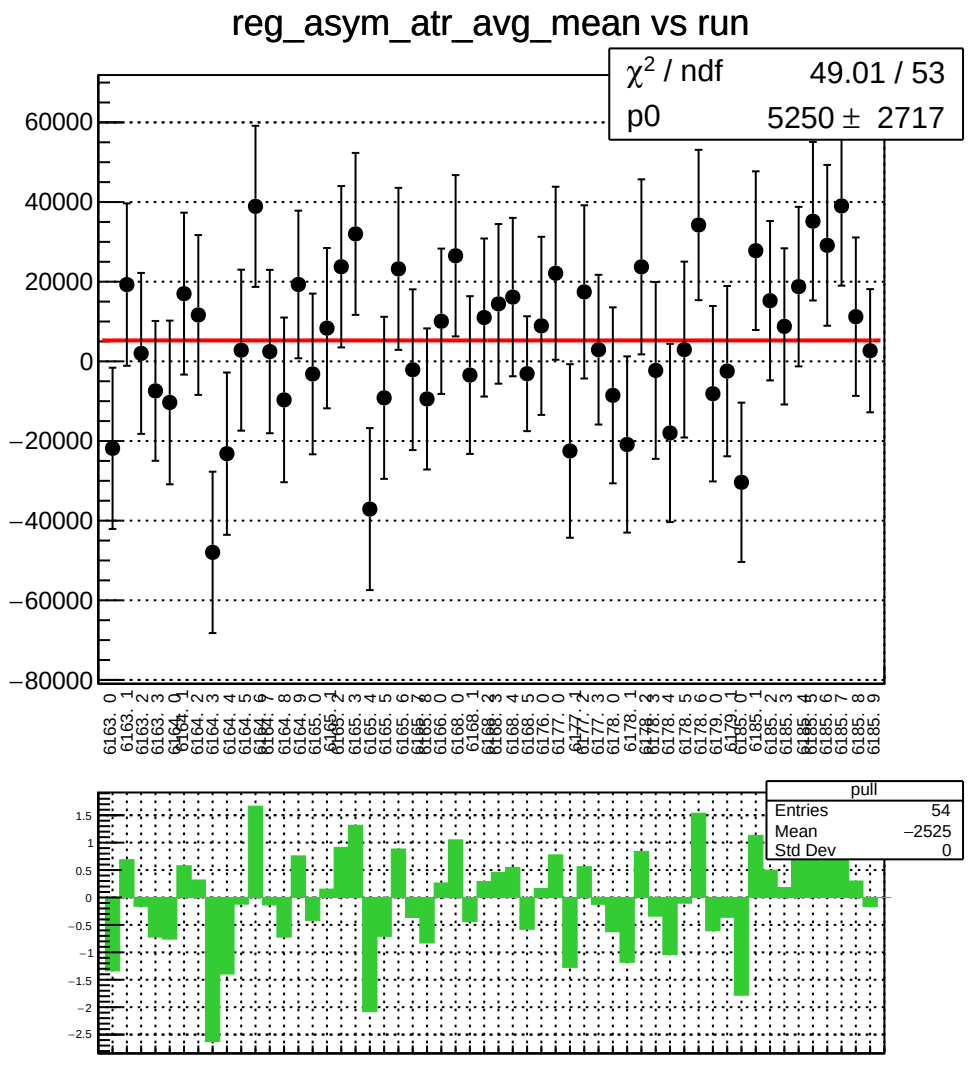


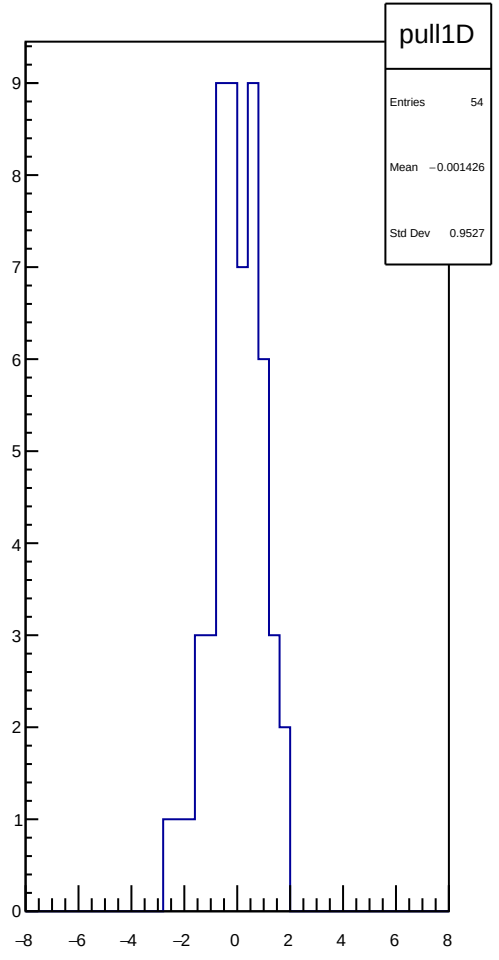

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.913e+04 / 53
p0 118.3 ± 0.1224
300
250
200
150
100
50
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

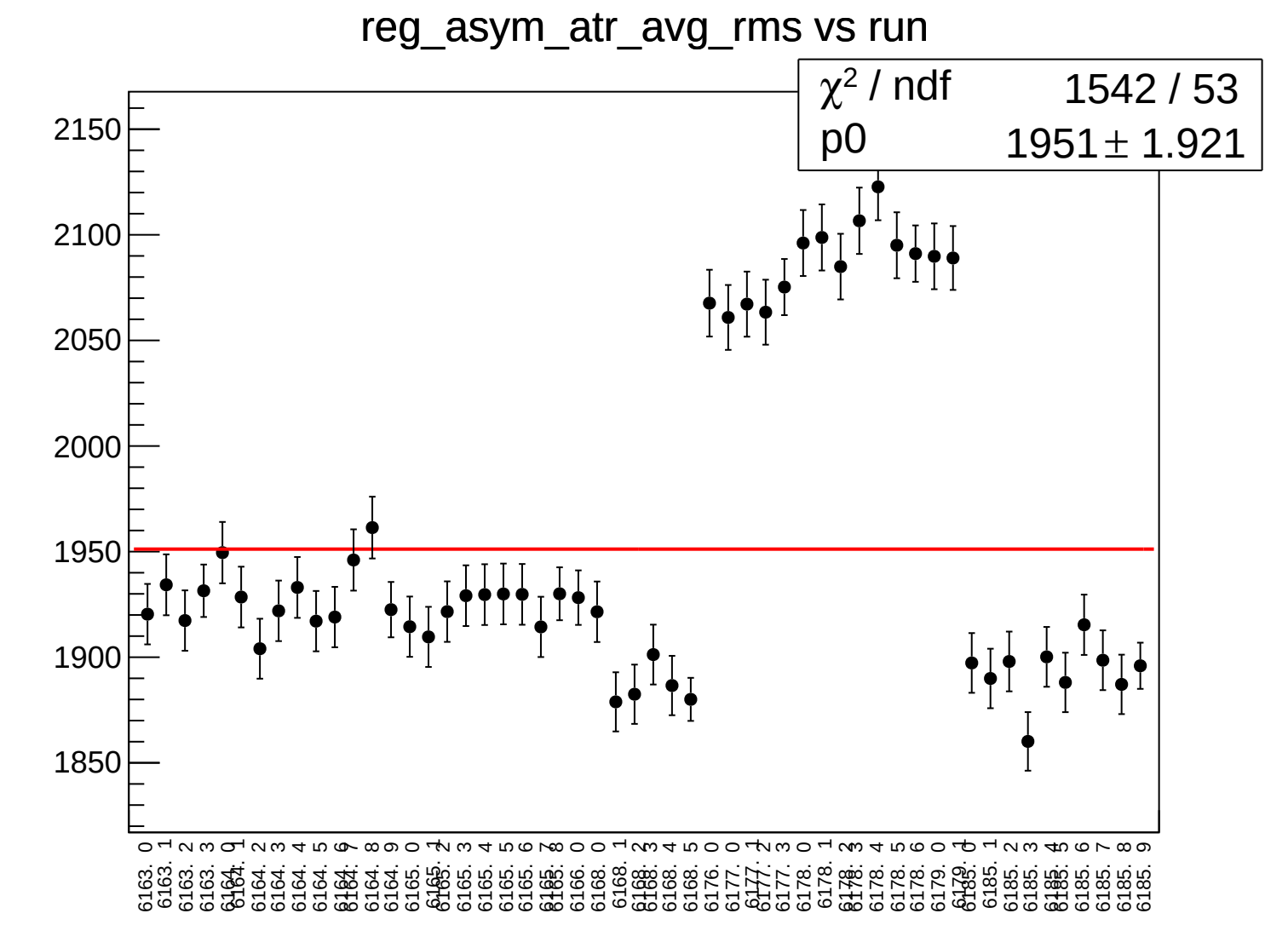

asym_atl_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 52.43 / 53
p0 −3.112e−13 ± 2.412e−13
pull
Entries 54
Mean −221.8
Std Dev 0

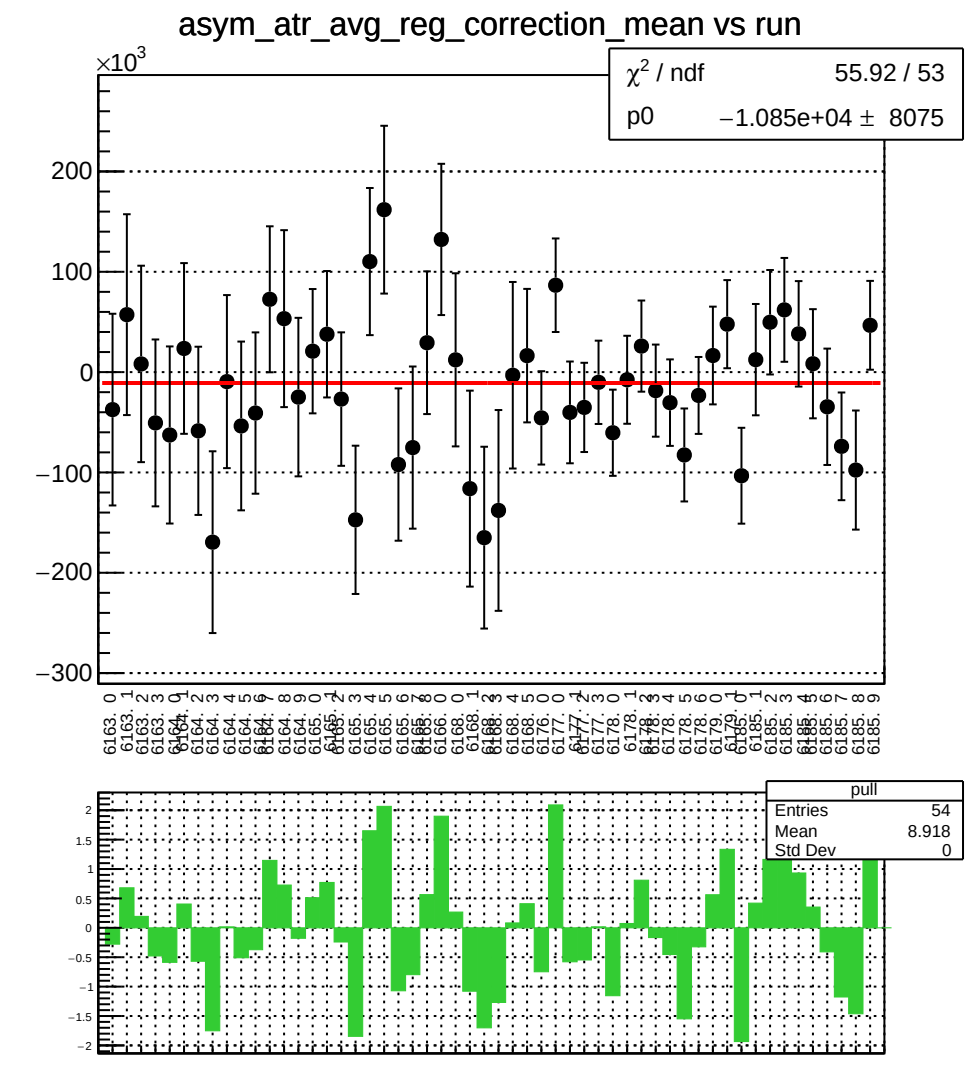

pull1D
Entries 54
Mean 0.00765
Std Dev 0.9853

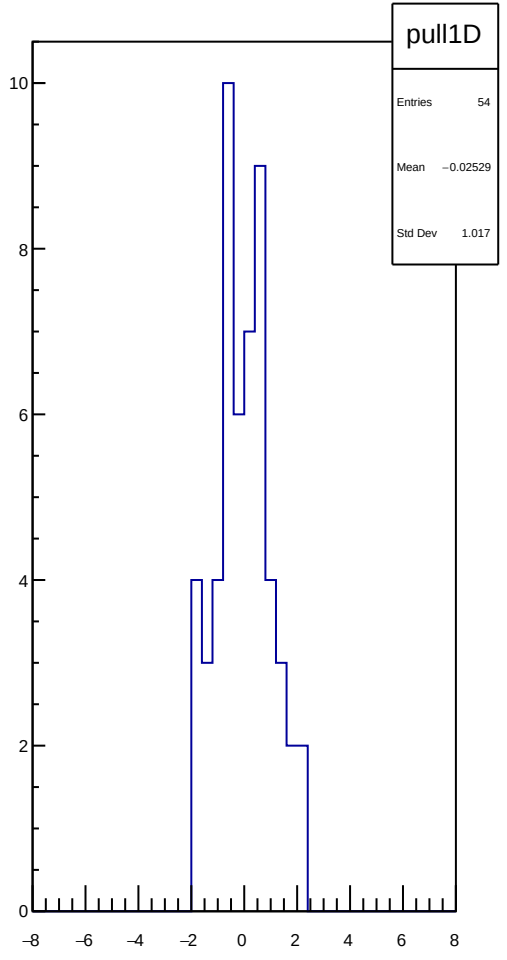

asym_atl_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.878e+05 / 53
p0 1.138e−10 ± 1.705e−13
3.5
3
2.5
2
1.5
1
0.5
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

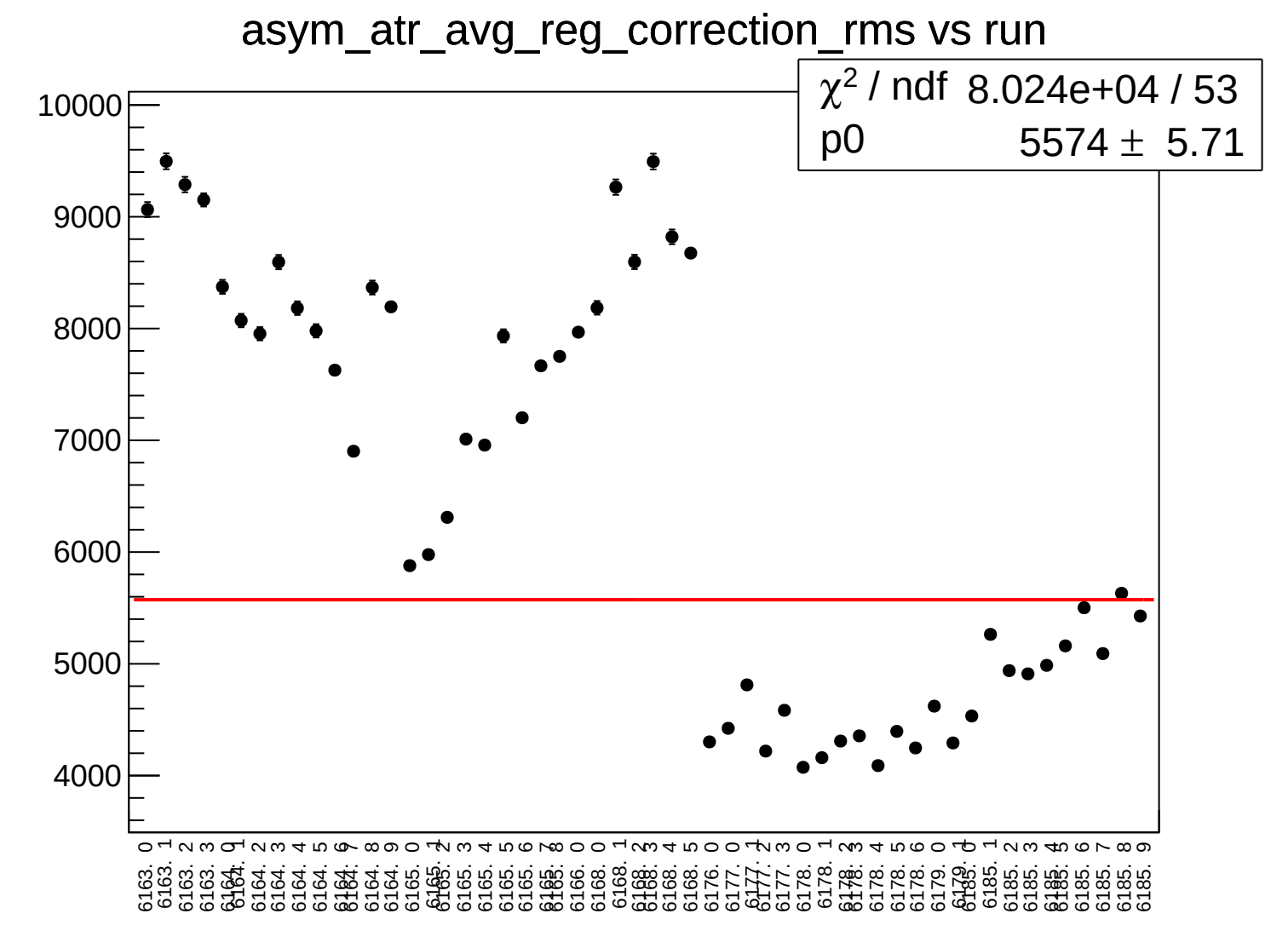

reg_asym_atr_avg_mean vs run
χ² / ndf 49.01 / 53
p0 5250 ± 2717
pull
Entries 54
Mean −2525
Std Dev 0

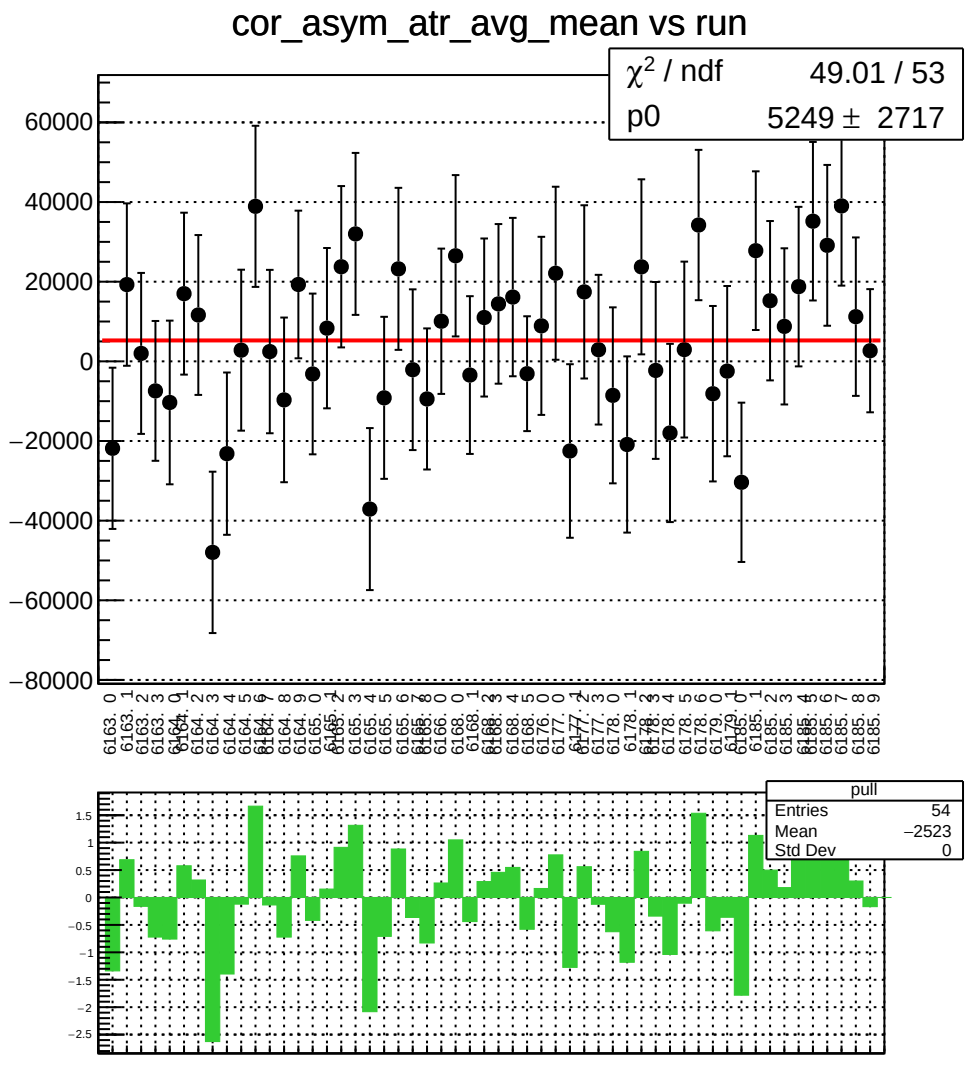

pull1D
Entries 54
Mean −0.001426
Std Dev 0.9527

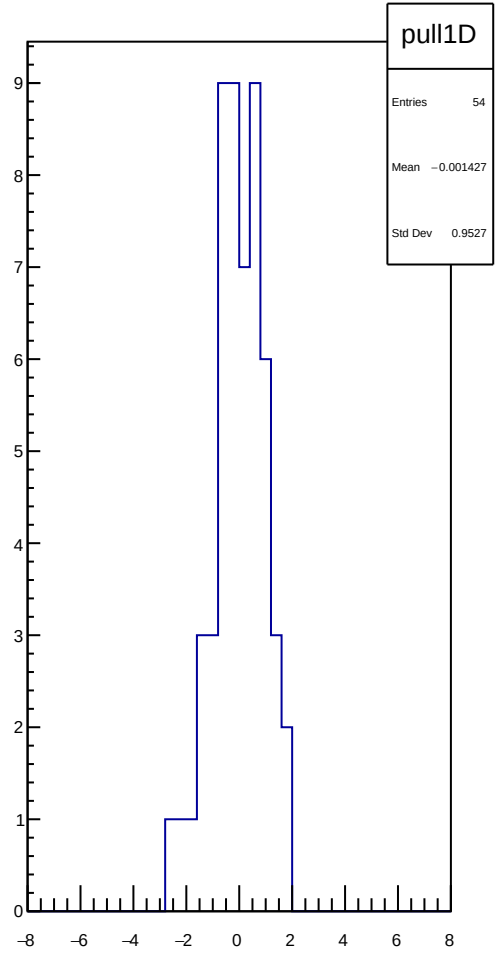

reg_asym_atr_avg_rms vs run
χ² / ndf 1542 / 53
p0 1951 ± 1.921
2150
2100
2050
2000
1950
1900
1850
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

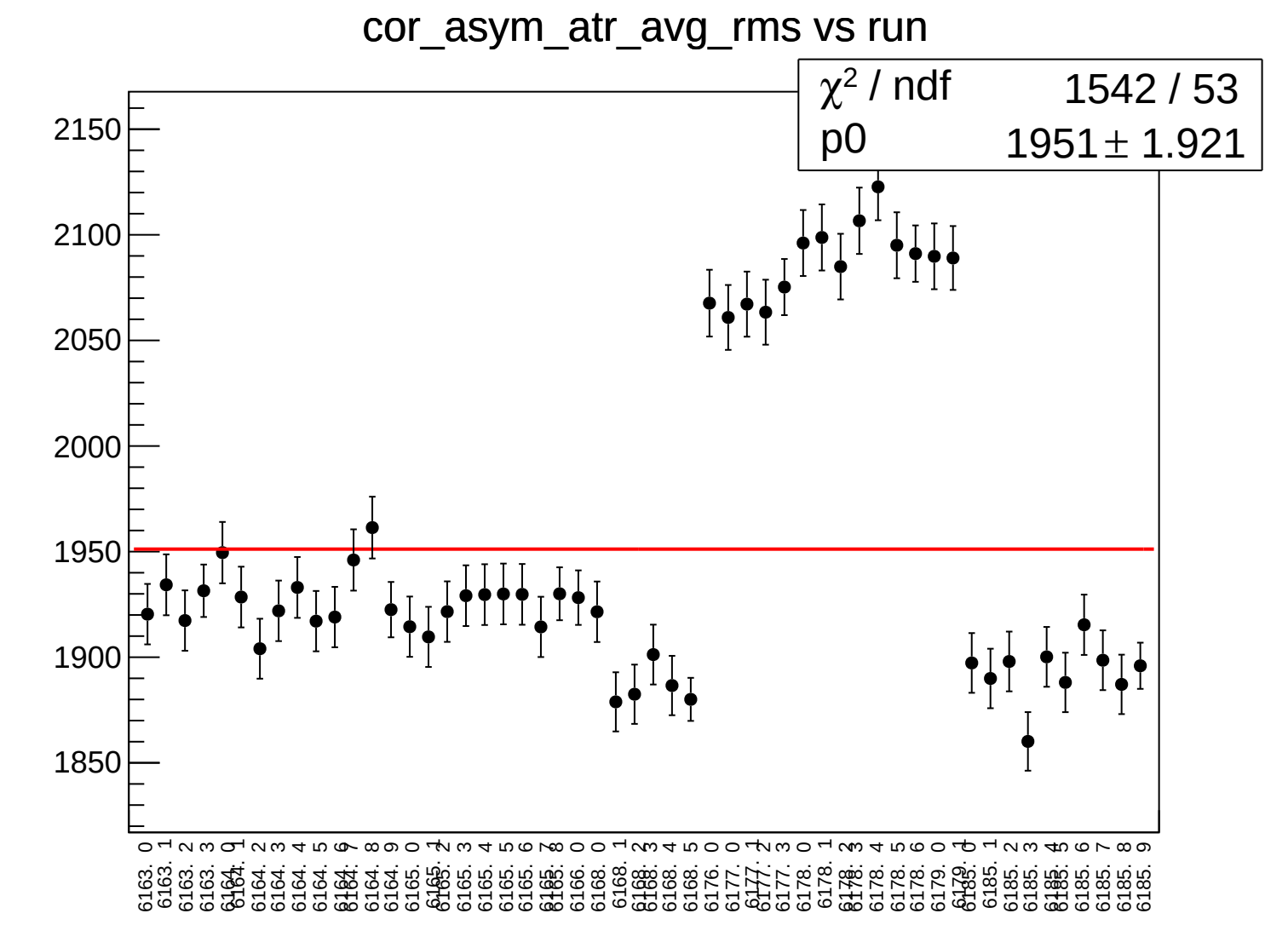

asym_atr_avg_reg_correction_mean vs run
×10^3
χ² / ndf 55.92 / 53
p0 −1.085e+04 ± 8075
200
100
0
−100
−200
−300
pull
Entries 54
Mean 8.918
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

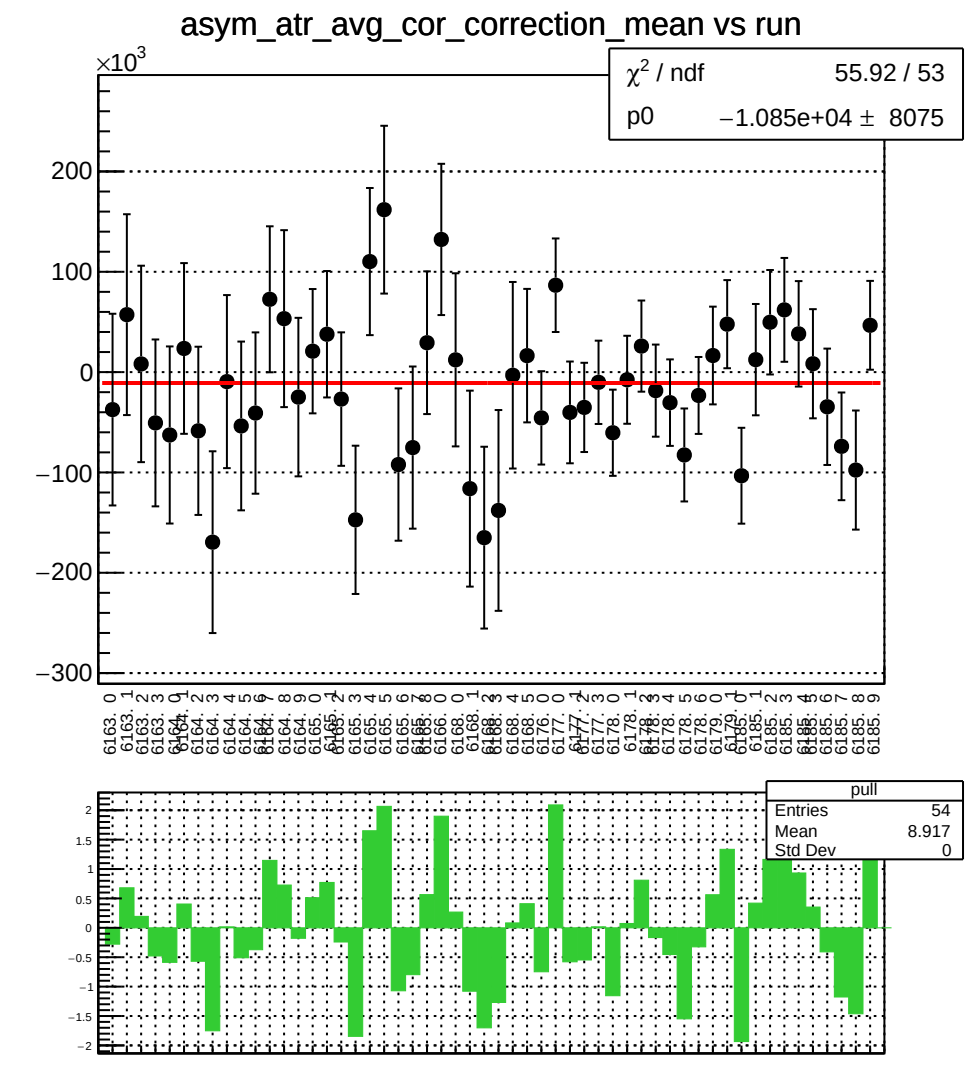

pull1D
Entries 54
Mean −0.02529
Std Dev 1.017
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

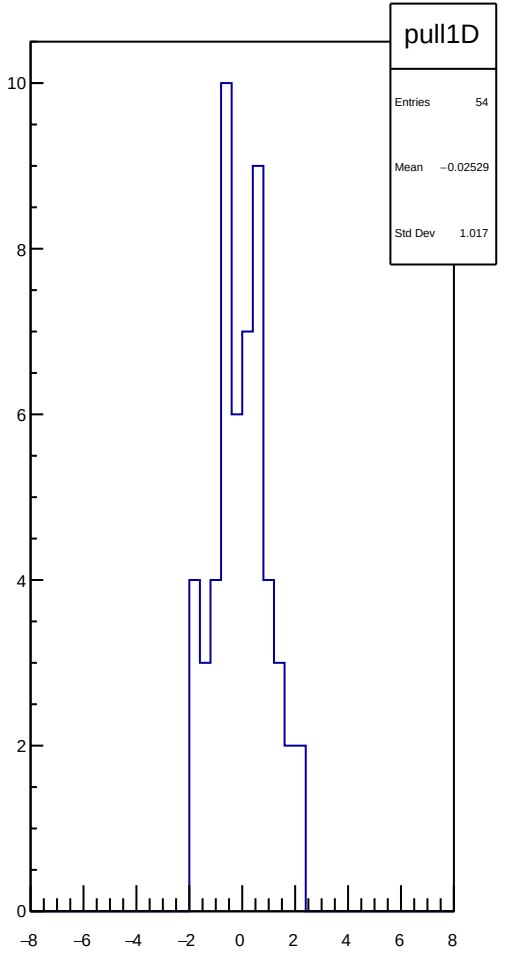

asym_atr_avg_reg_correction_rms vs run
χ² / ndf 8.024e+04 / 53
p0 5574 ± 5.71
10000
9000
8000
7000
6000
5000
4000
6163. 0
6163. 1
6163. 2
6163. 3
6163. 4
6163. 5
6163. 6
6163. 7
6163. 8
6163. 9
6164. 0
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 6
6164. 7
6164. 8
6164. 9
6165. 0
6165. 1
6165. 2
6165. 3
6165. 4
6165. 5
6165. 6
6165. 7
6165. 8
6165. 9
6166. 0
6168. 0
6168. 1
6168. 2
6168. 3
6168. 4
6168. 5
6176. 0
6177. 0
6177. 1
6177. 2
6177. 3
6178. 0
6178. 1
6178. 2
6178. 3
6178. 4
6178. 5
6178. 6
6179. 0
6179. 1
6185. 0
6185. 1
6185. 2
6185. 3
6185. 4
6185. 5
6185. 6
6185. 7
6185. 8
6185. 9

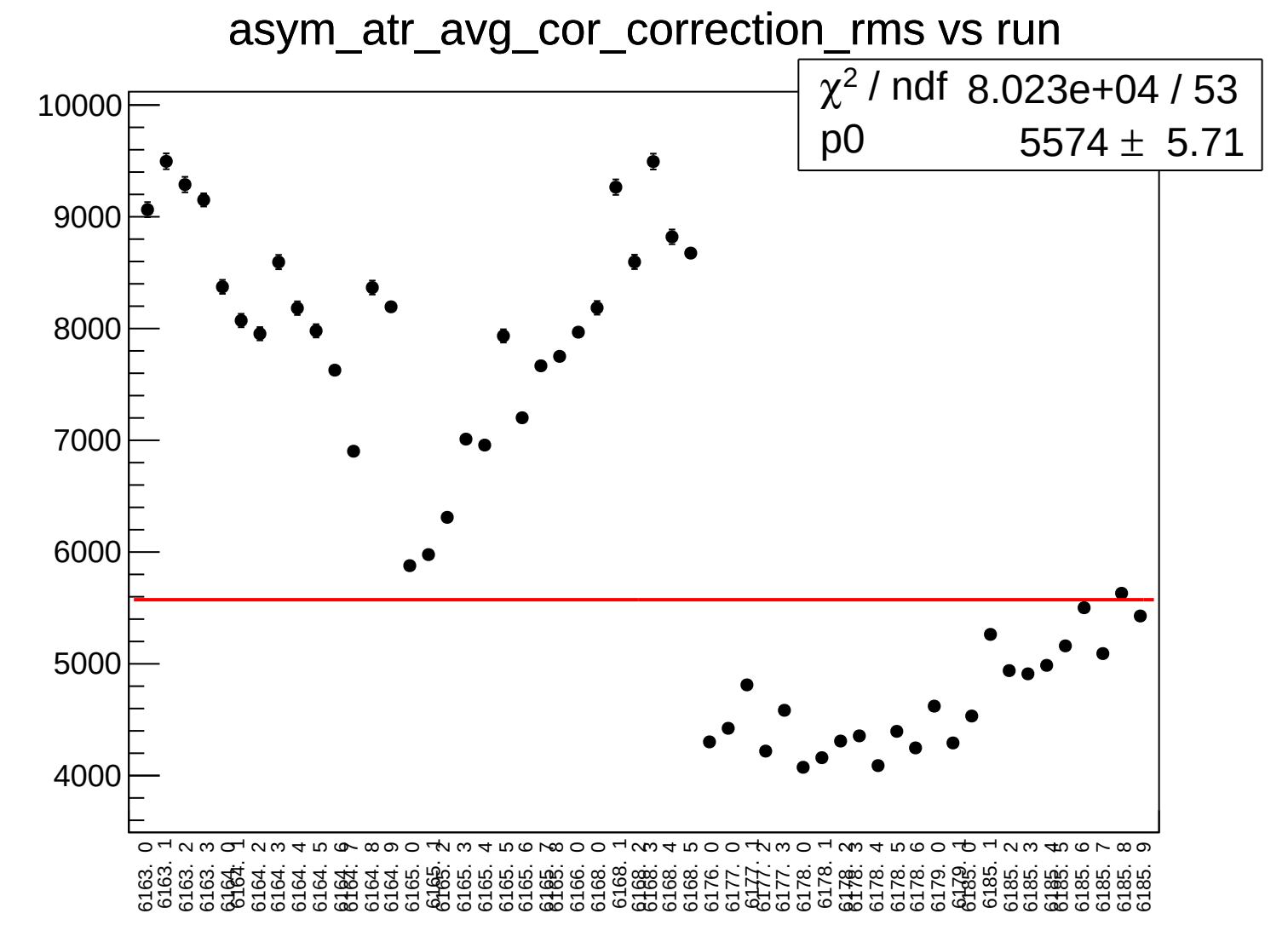

cor_asym_atr_avg_mean vs run
χ² / ndf 49.01 / 53
p0 5249 ± 2717
pull
Entries 54
Mean −2523
Std Dev 0

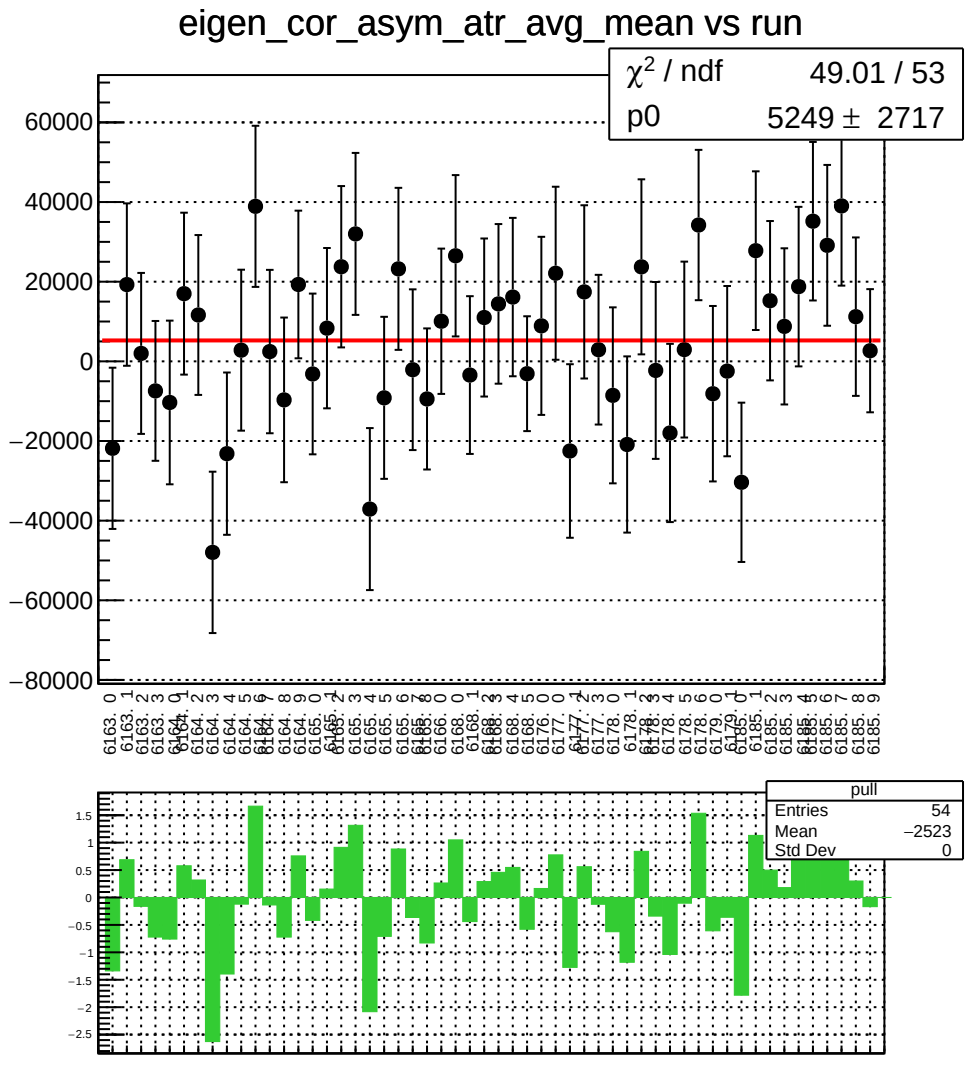

pull1D
Entries 54
Mean −0.001427
Std Dev 0.9527

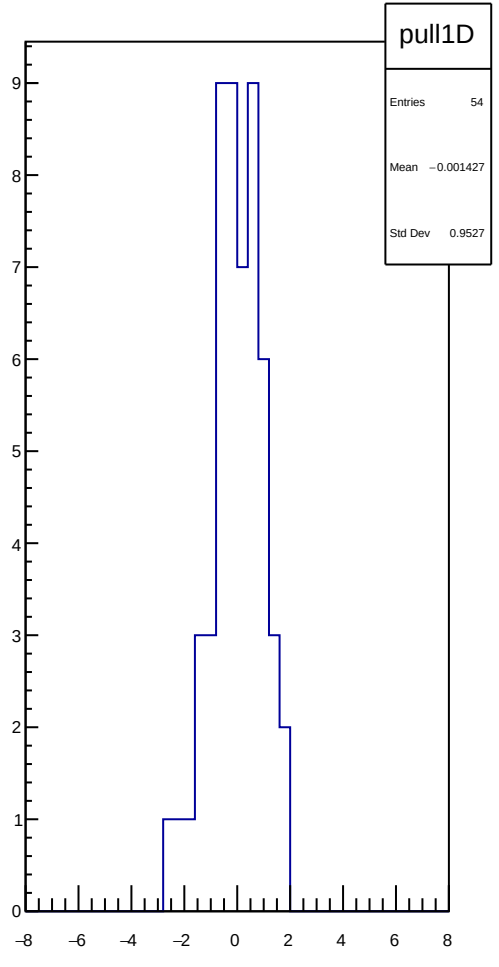

cor_asym_atr_avg_rms vs run
χ² / ndf 1542 / 53
p0 1951 ± 1.921
2150
2100
2050
2000
1950
1900
1850
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

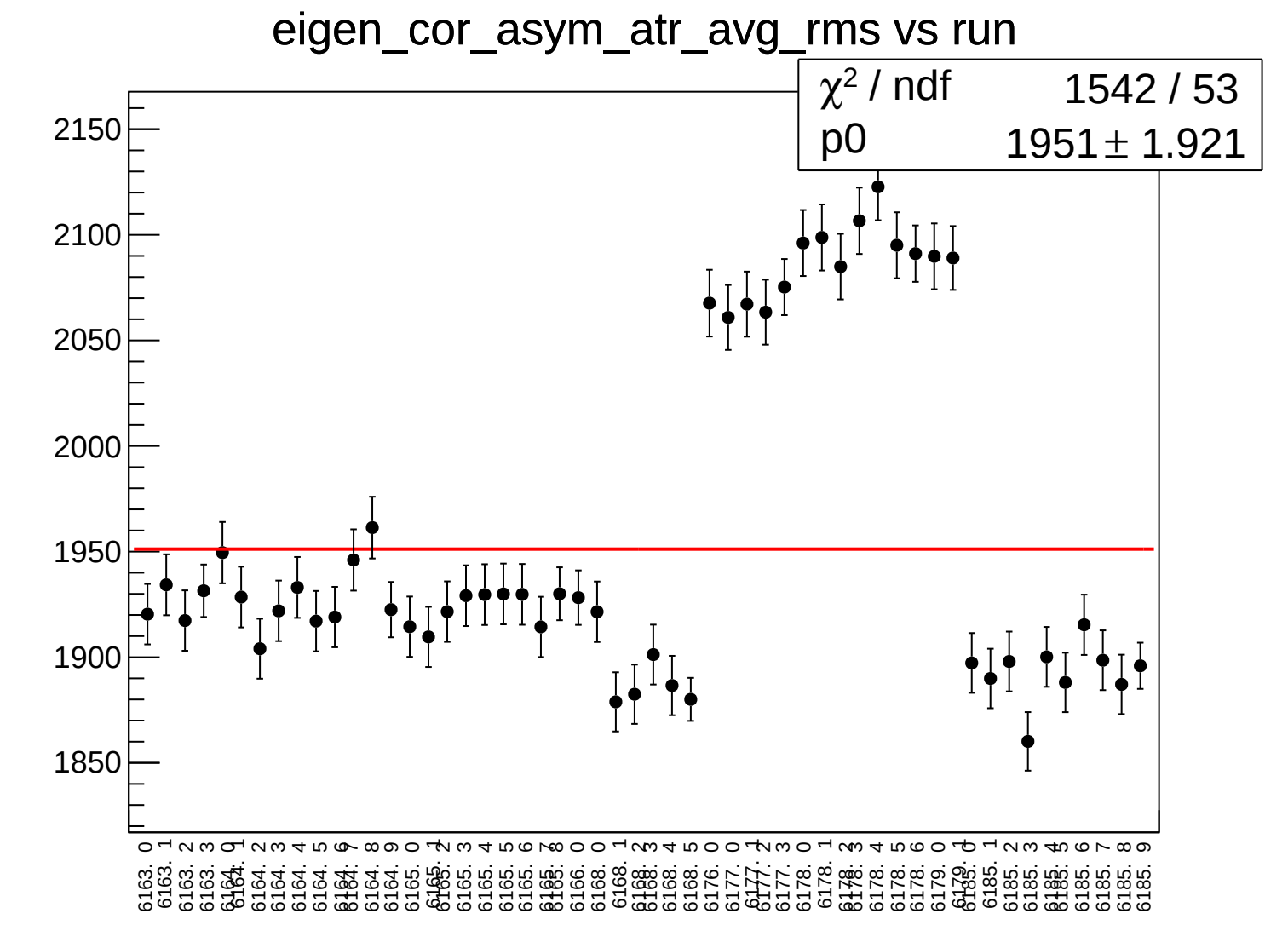

asym_atr_avg_cor_correction_mean vs run
×10^3
χ² / ndf 55.92 / 53
p0 −1.085e+04 ± 8075
200
100
0
−100
−200
−300
pull
Entries 54
Mean 8.917
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

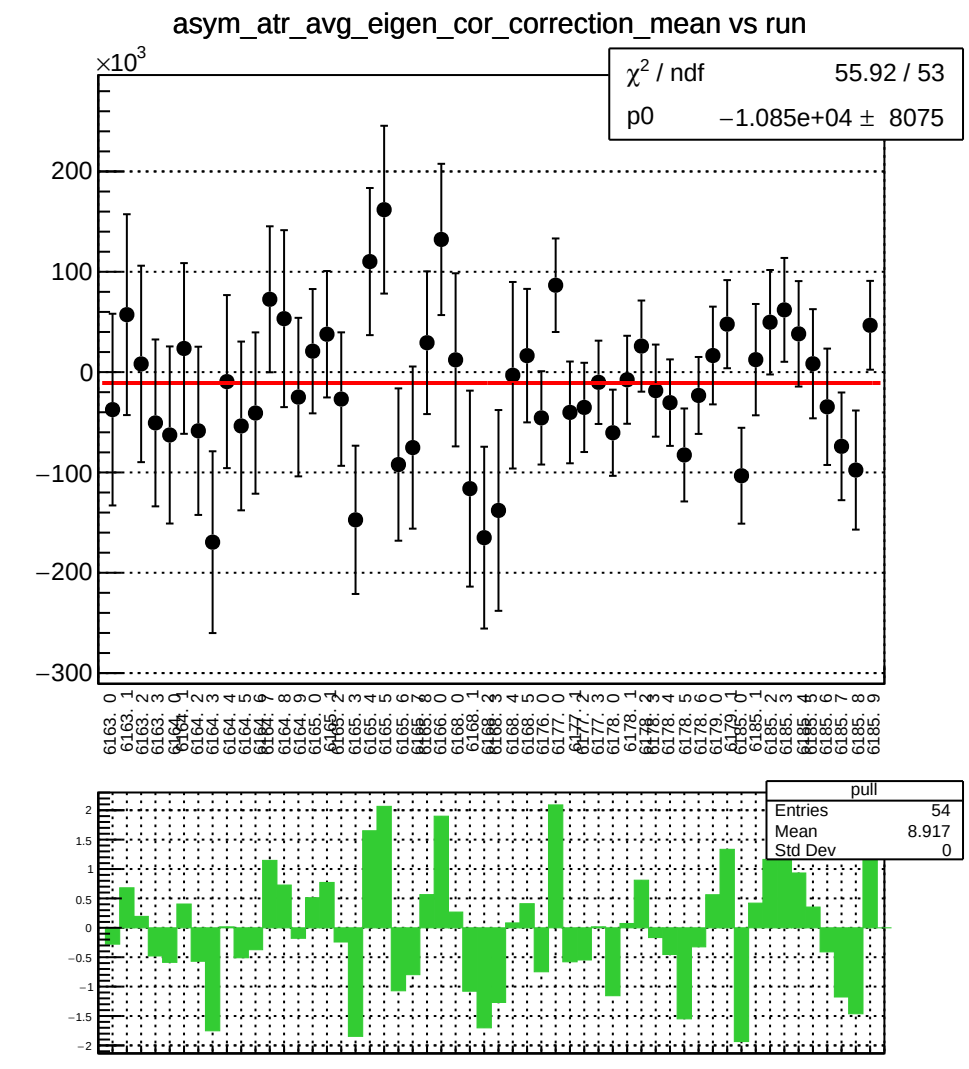

pull1D
Entries 54
Mean −0.02529
Std Dev 1.017
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

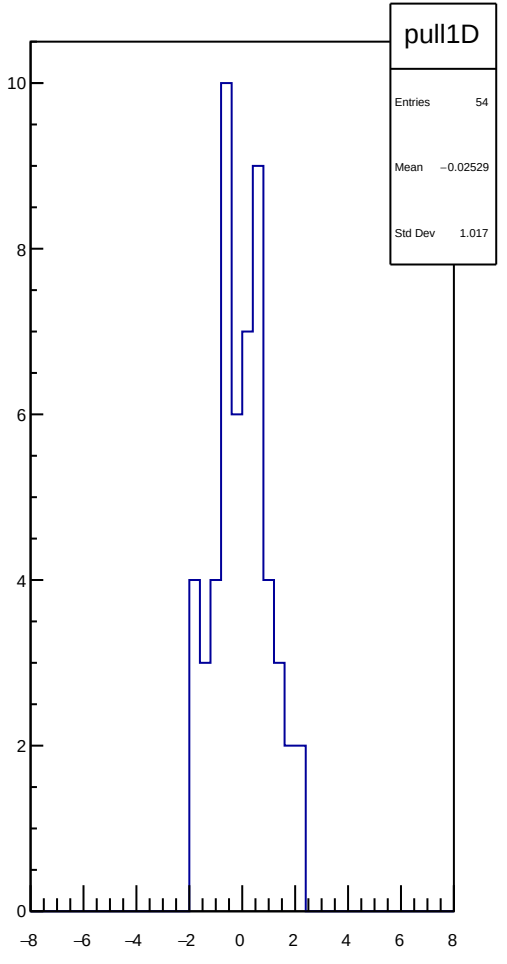

asym_atr_avg_cor_correction_rms vs run
χ² / ndf 8.023e+04 / 53
p0 5574 ± 5.71
10000
9000
8000
7000
6000
5000
4000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

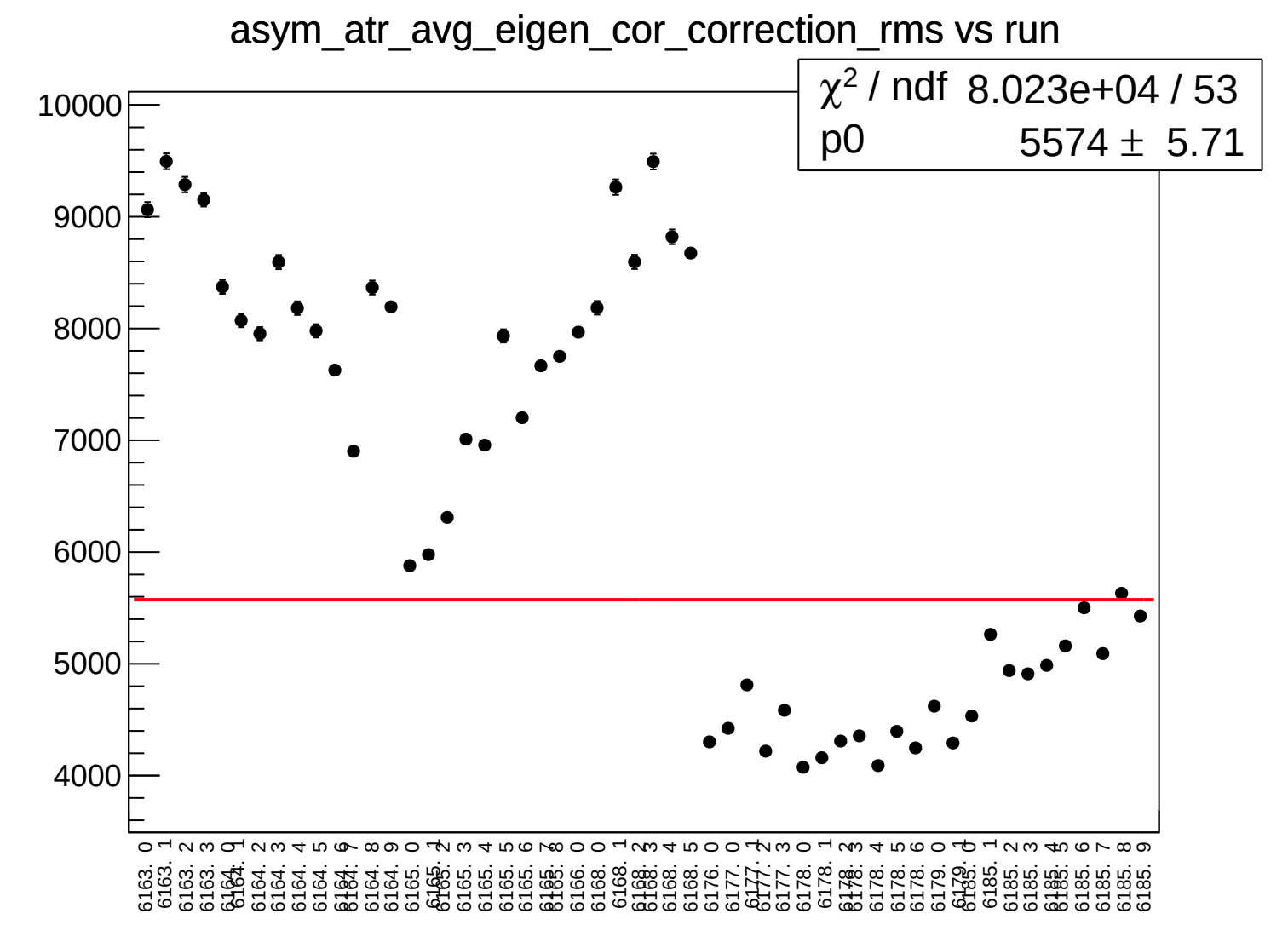

eigen_cor_asym_atr_avg_mean vs run
χ² / ndf 49.01 / 53
p0 5249 ± 2717
pull
Entries 54
Mean −2523
Std Dev 0

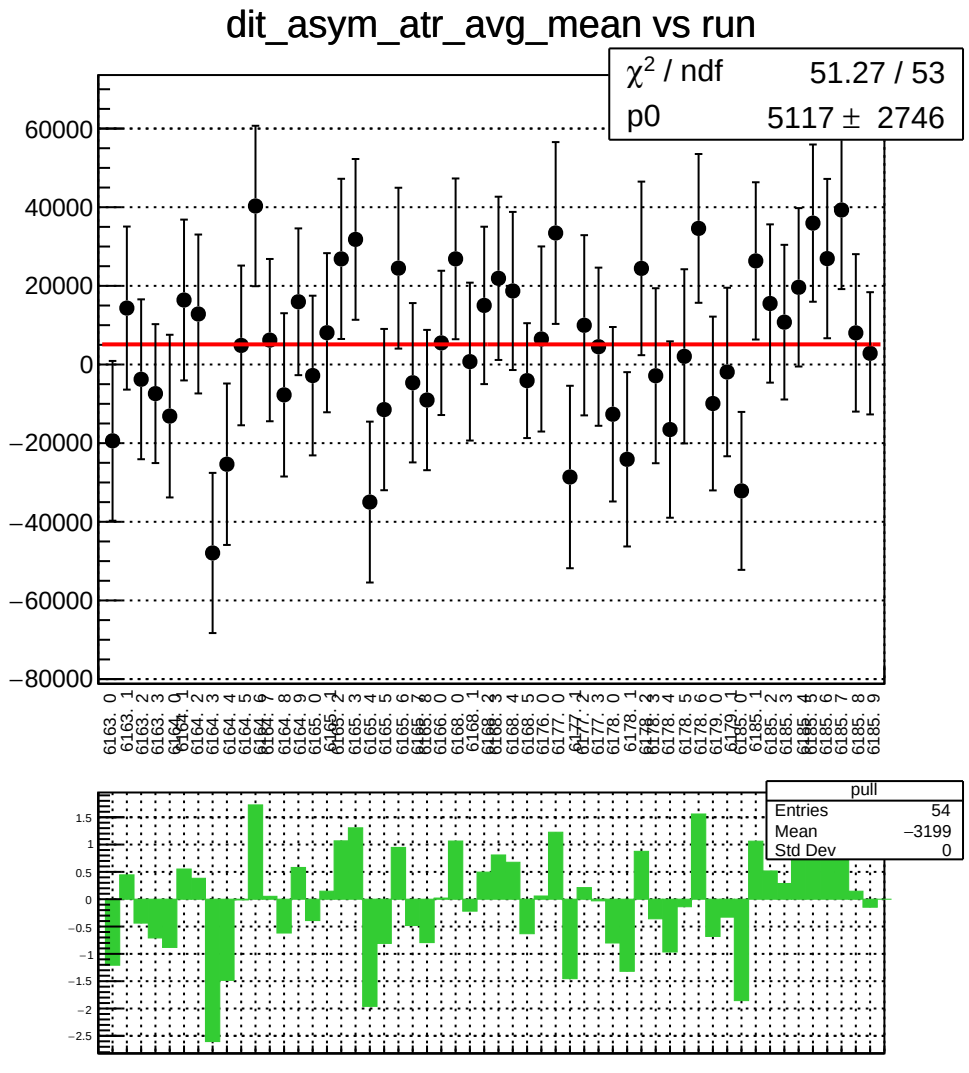

pull1D
Entries 54
Mean −0.001427
Std Dev 0.9527

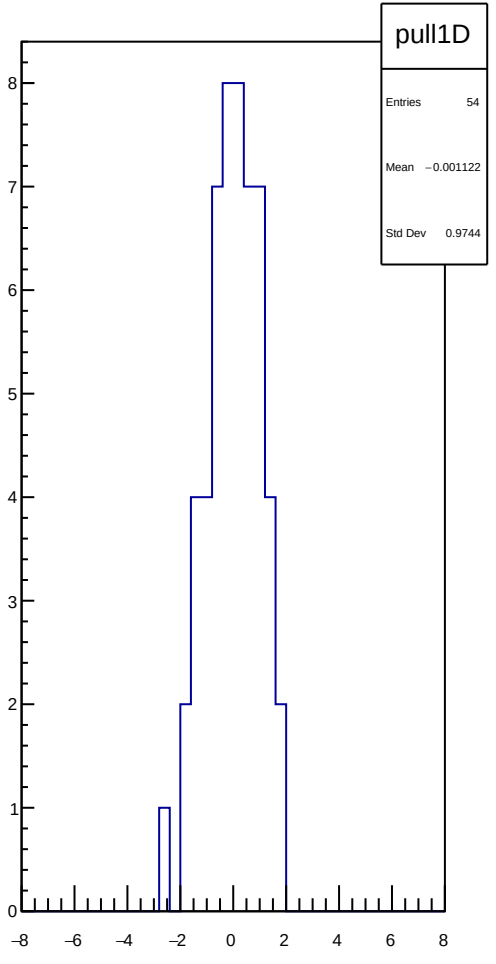

eigen_cor_asym_atr_avg_rms vs run
χ² / ndf 1542 / 53
p0 1951 ± 1.921
2150
2100
2050
2000
1950
1900
1850
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

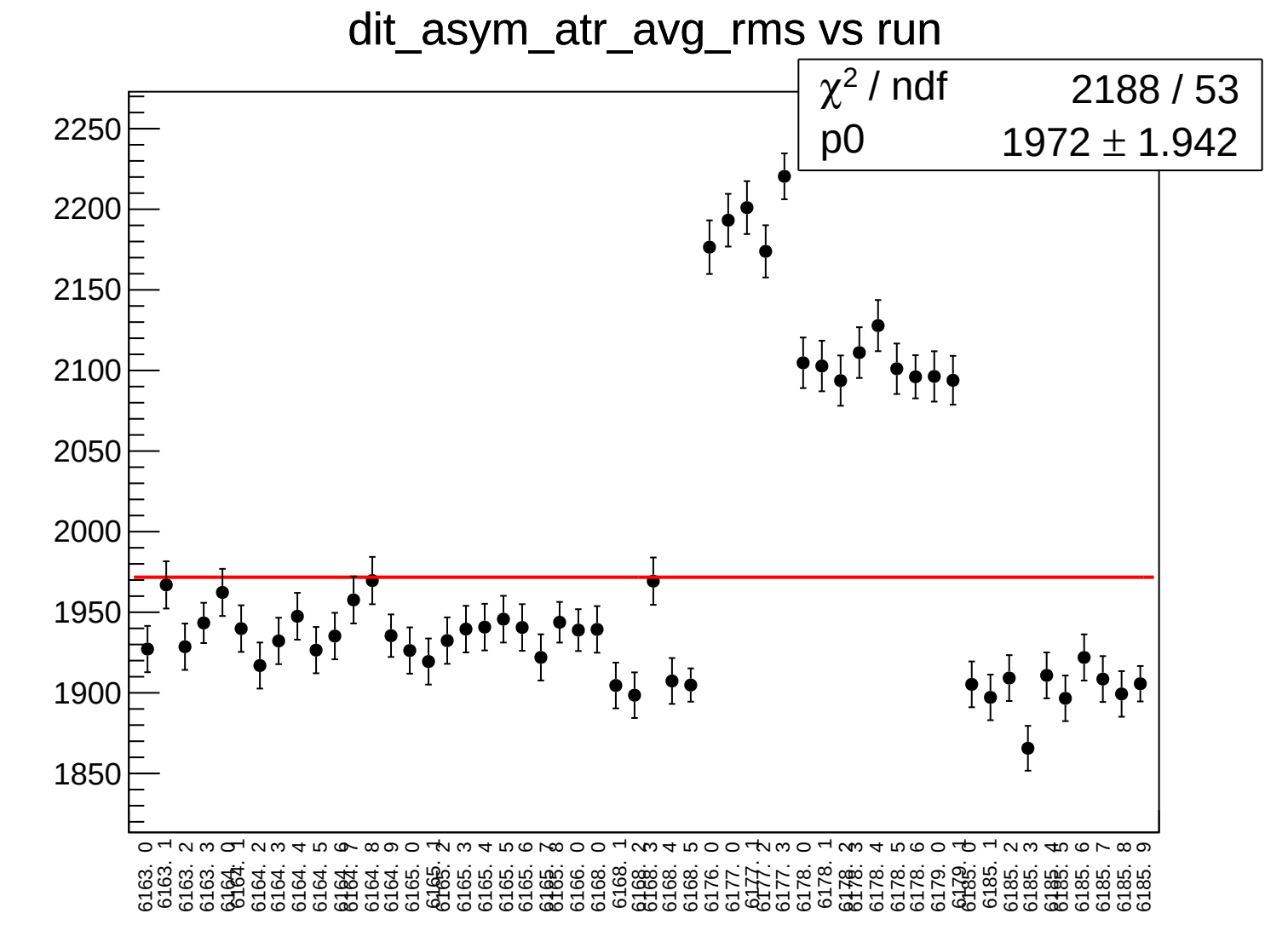

asym_atr_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 55.92 / 53
p0 −1.085e+04 ± 8075
200
100
0
−100
−200
−300
pull
Entries 54
Mean 8.917
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

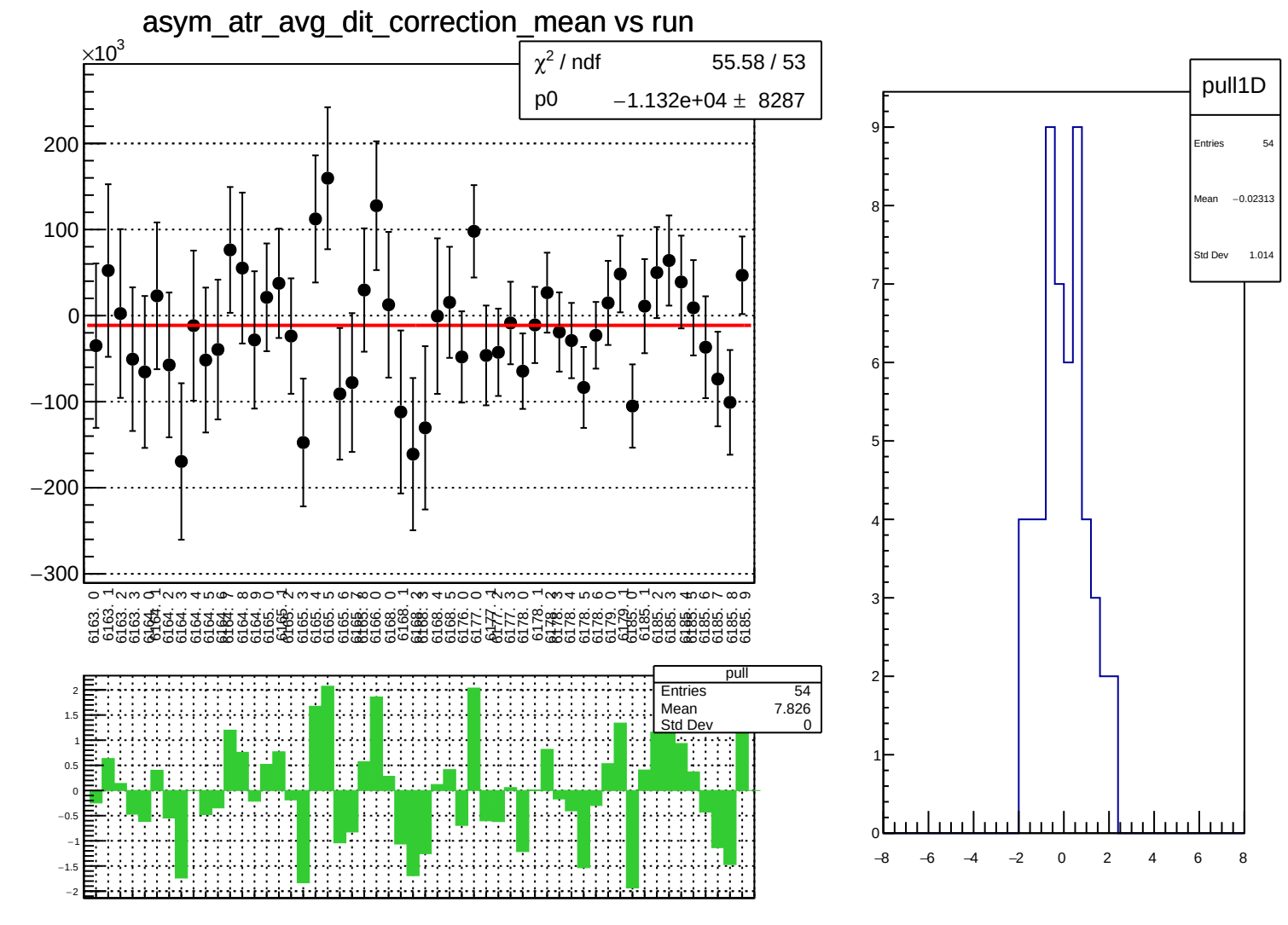

pull1D
Entries 54
Mean −0.02529
Std Dev 1.017
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

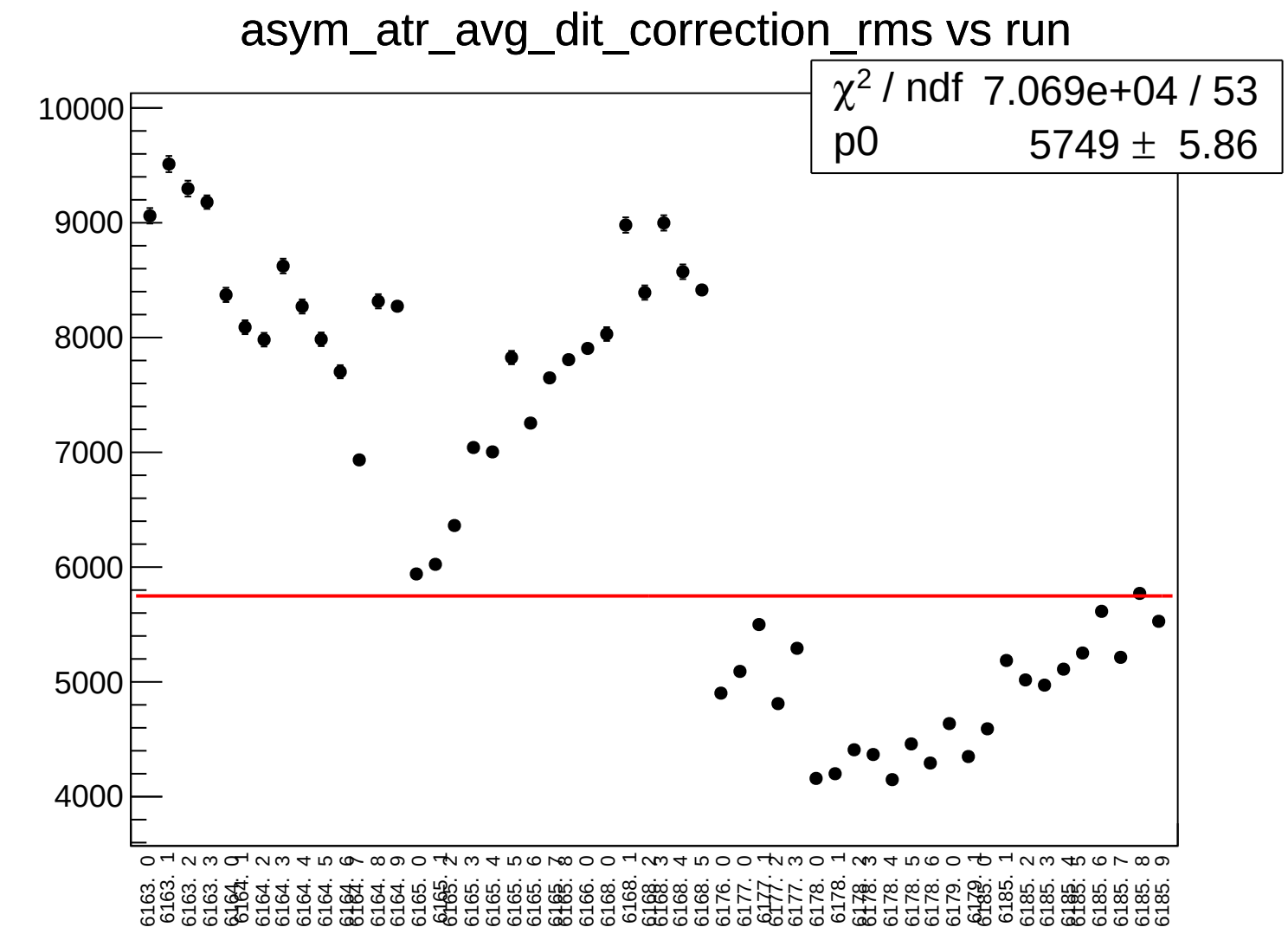

asym_atr_avg_eigen_cor_correction_rms vs run
χ² / ndf 8.023e+04 / 53
p0 5574 ± 5.71
10000
9000
8000
7000
6000
5000
4000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

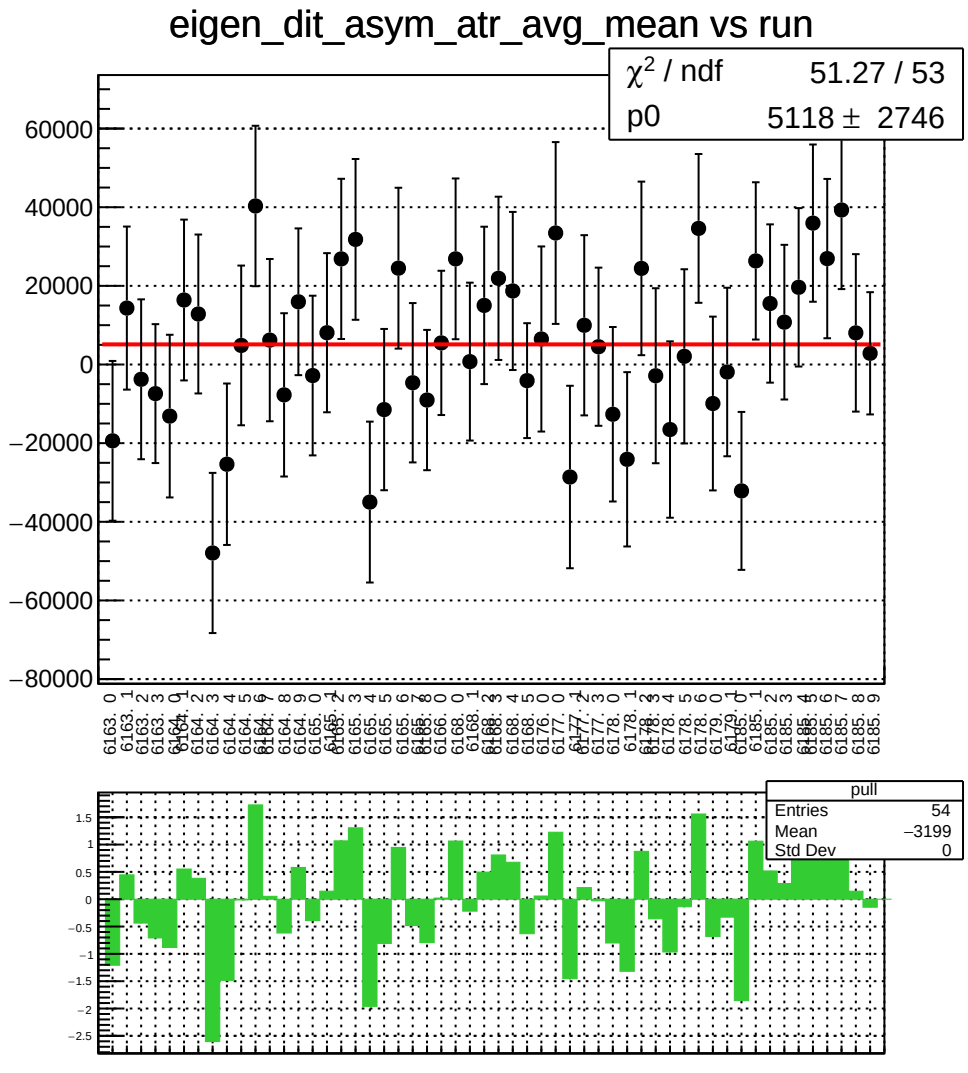

dit_asym_atr_avg_mean vs run
χ² / ndf 51.27 / 53
p0 5117 ± 2746
pull
Entries 54
Mean −3199
Std Dev 0

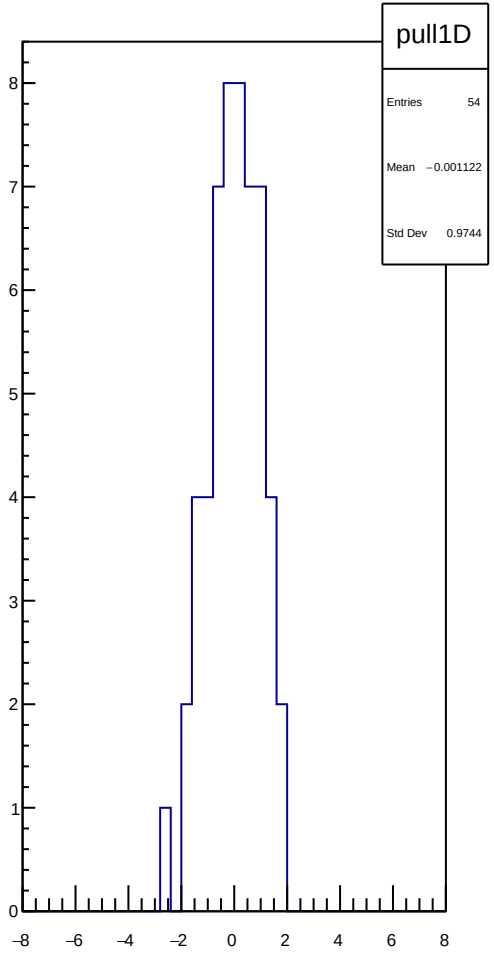

pull1D
Entries 54
Mean −0.001122
Std Dev 0.9744

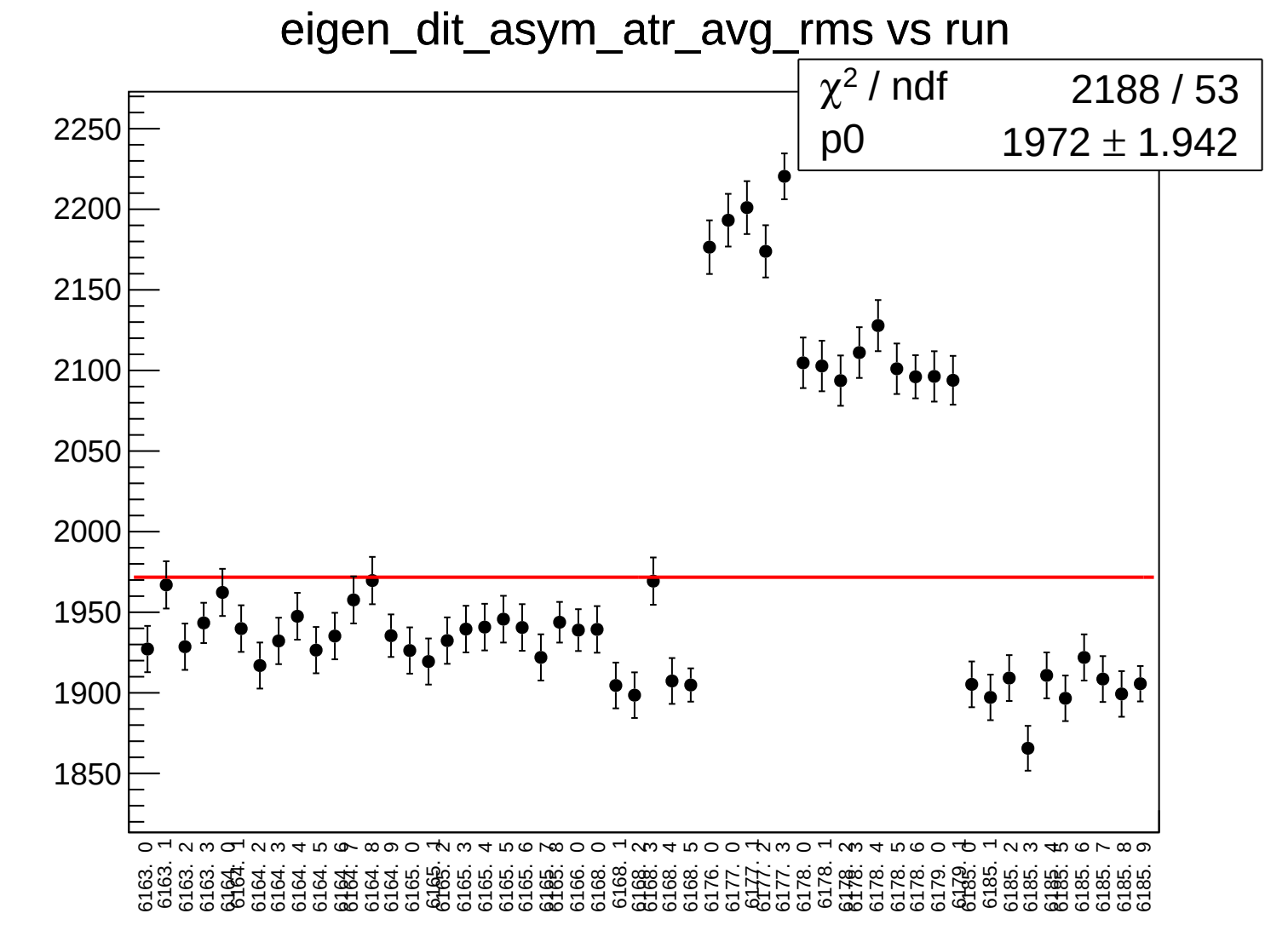

dit_asym_atr_avg_rms vs run
χ² / ndf 2188 / 53
p0 1972 ± 1.942
2250
2200
2150
2100
2050
2000
1950
1900
1850
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

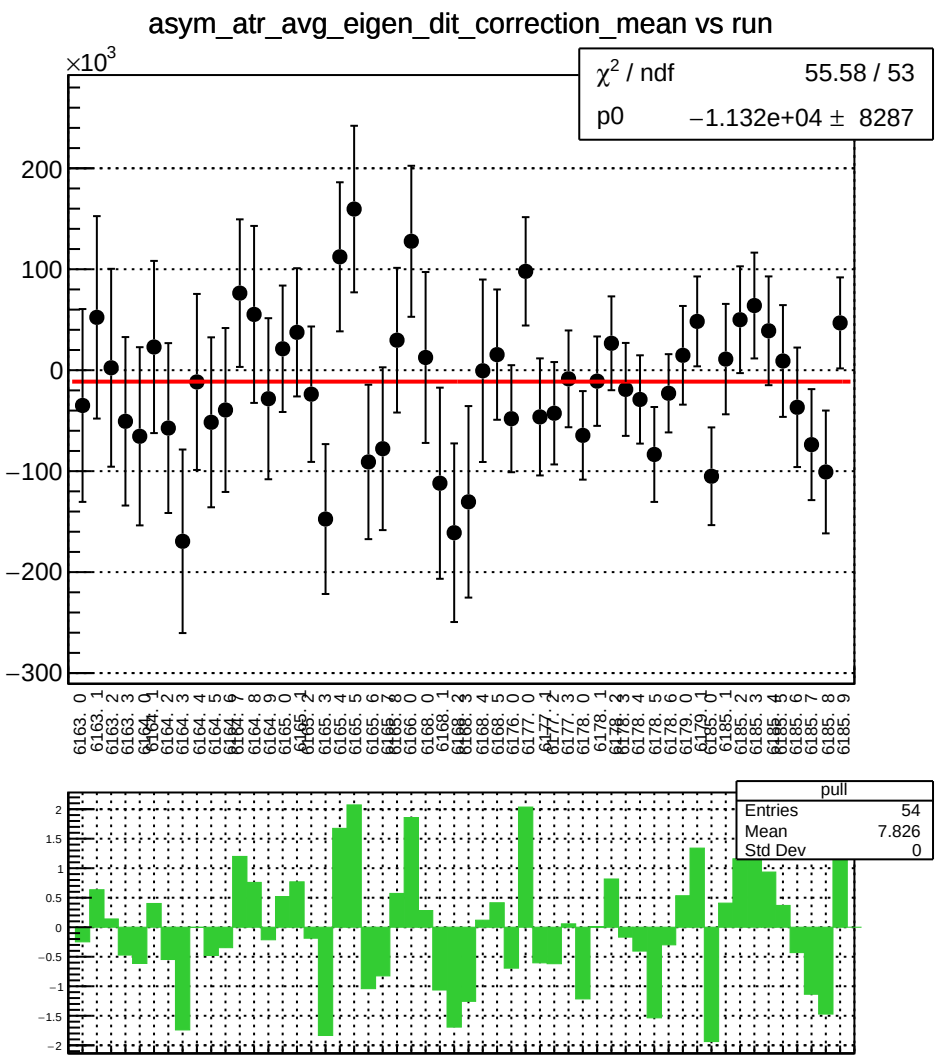

asym_atr_avg_dit_correction_mean vs run
×10^3
χ² / ndf 55.58 / 53
p0 −1.132e+04 ± 8287
200
100
0
−100
−200
−300
pull
Entries 54
Mean 7.826
Std Dev 0
pull1D
Entries 54
Mean −0.02313
Std Dev 1.014

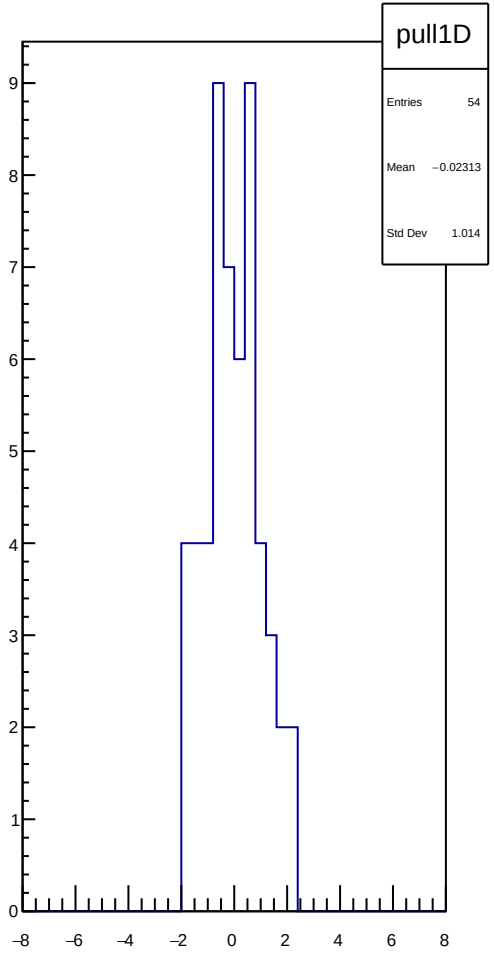

asym_atr_avg_dit_correction_rms vs run
χ² / ndf 7.069e+04 / 53
p0 5749 ± 5.86
10000
9000
8000
7000
6000
5000
4000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

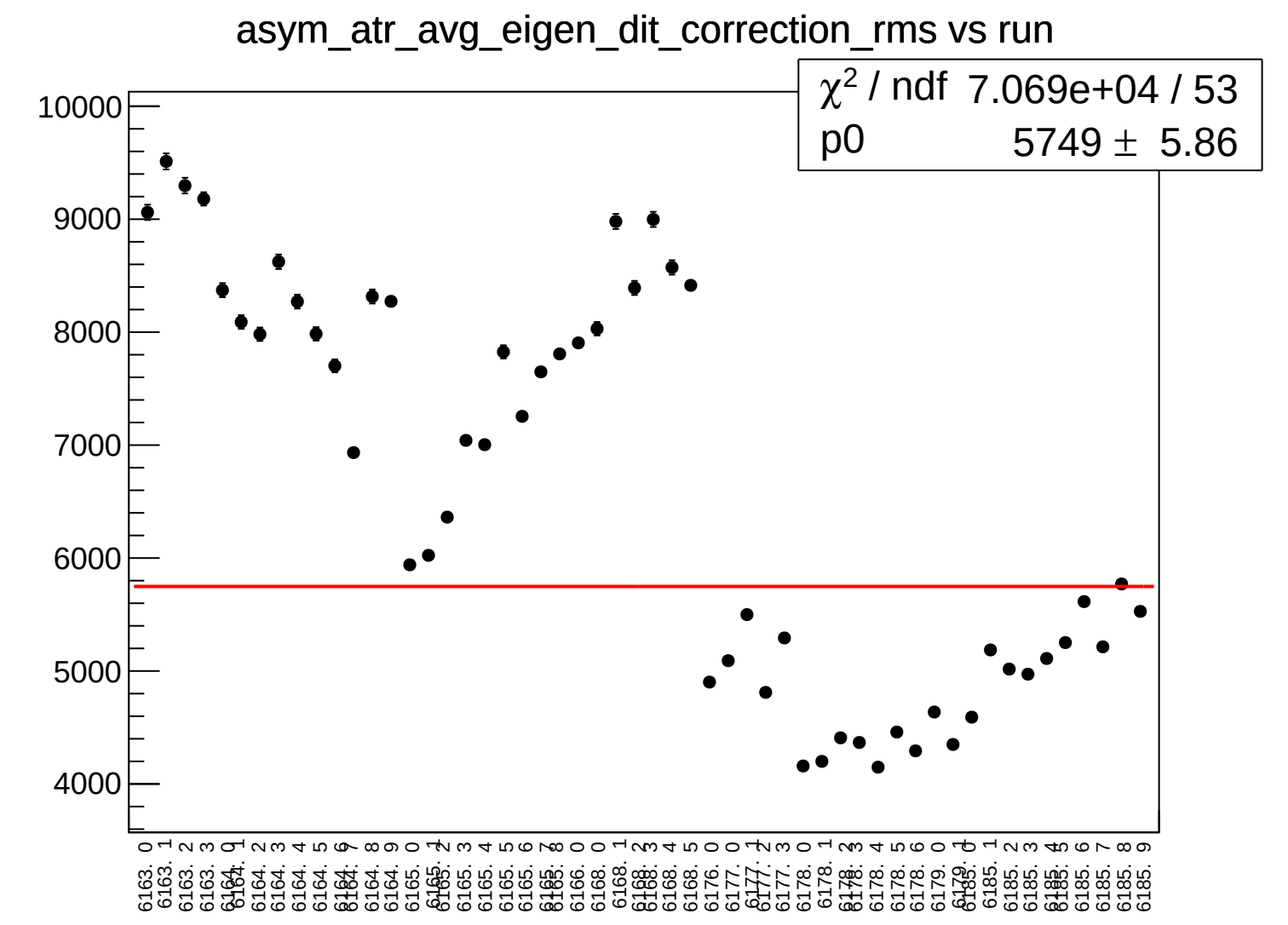

eigen_dit_asym_atr_avg_mean vs run
χ² / ndf 51.27 / 53
p0 5118 ± 2746
pull
Entries 54
Mean −3199
Std Dev 0

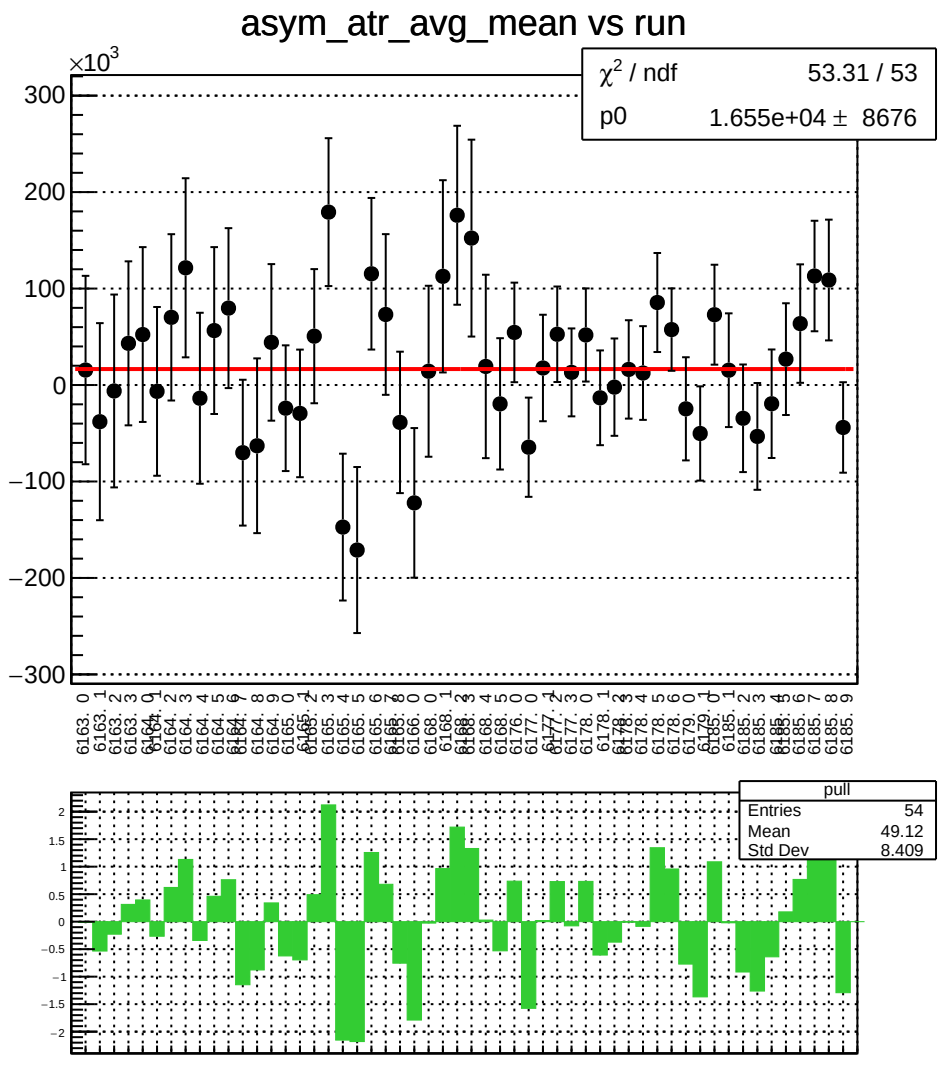

pull1D
Entries 54
Mean −0.001122
Std Dev 0.9744

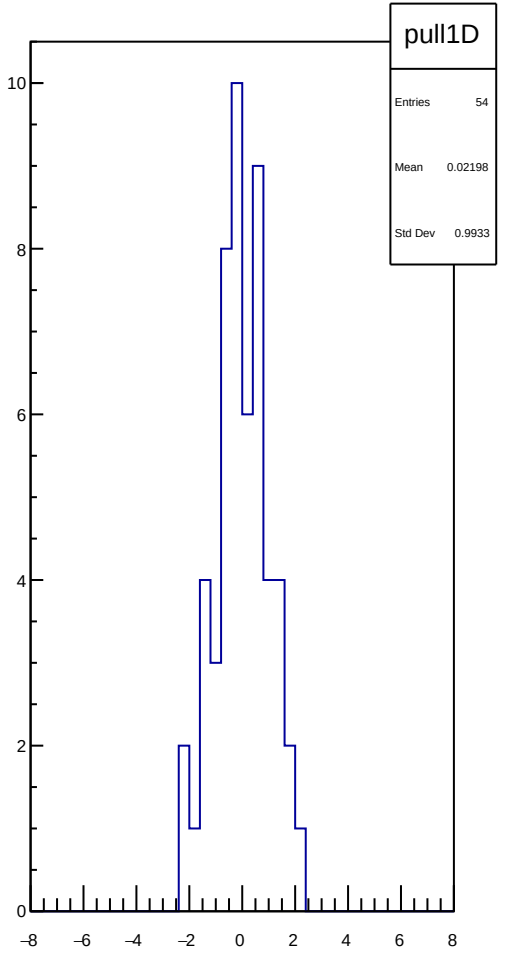

eigen_dit_asym_atr_avg_rms vs run
χ² / ndf 2188 / 53
p0 1972 ± 1.942
2250
2200
2150
2100
2050
2000
1950
1900
1850
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

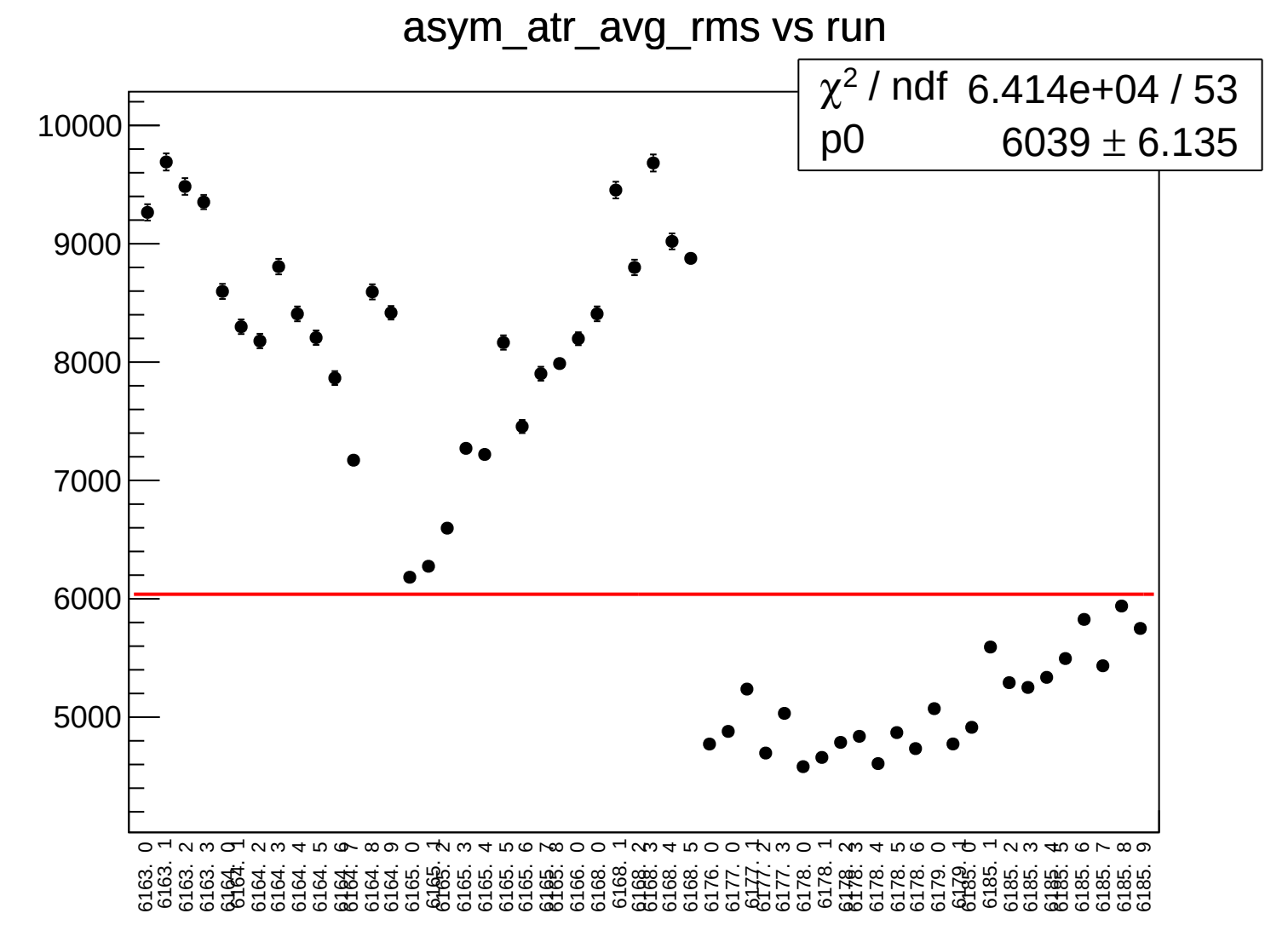

asym_atr_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 55.58 / 53
p0 −1.132e+04 ± 8287
200
100
0
−100
−200
−300
pull
Entries 54
Mean 7.826
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

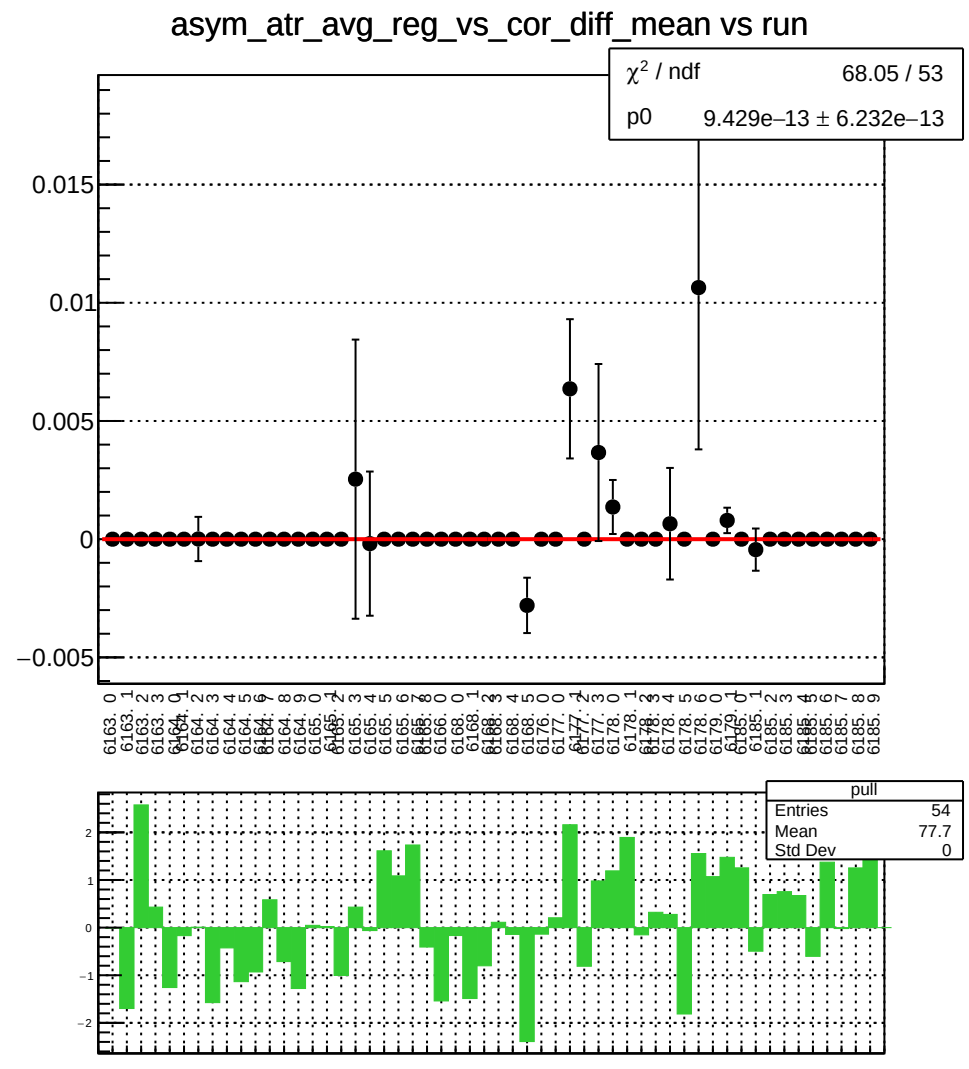

pull1D
Entries 54
Mean −0.02313
Std Dev 1.014
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

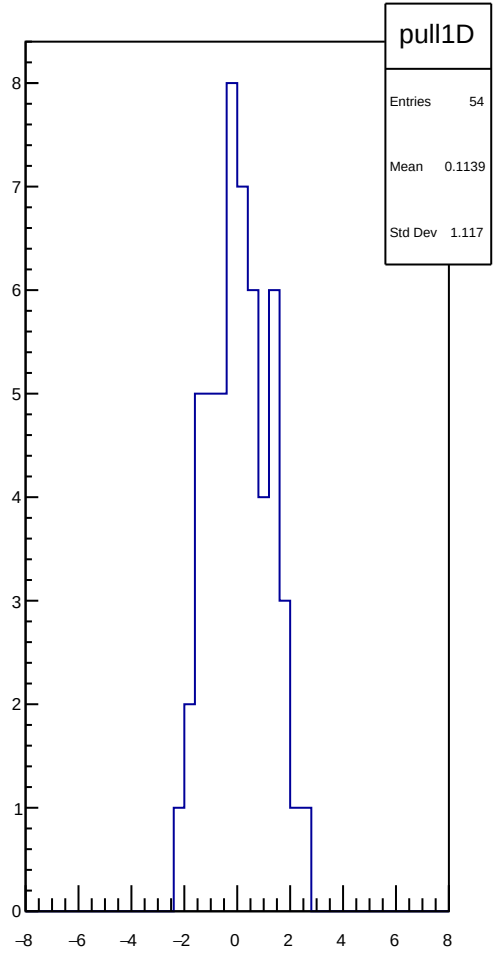

asym_atr_avg_eigen_dit_correction_rms vs run
χ² / ndf 7.069e+04 / 53
p0 5749 ± 5.86
10000
9000
8000
7000
6000
5000
4000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

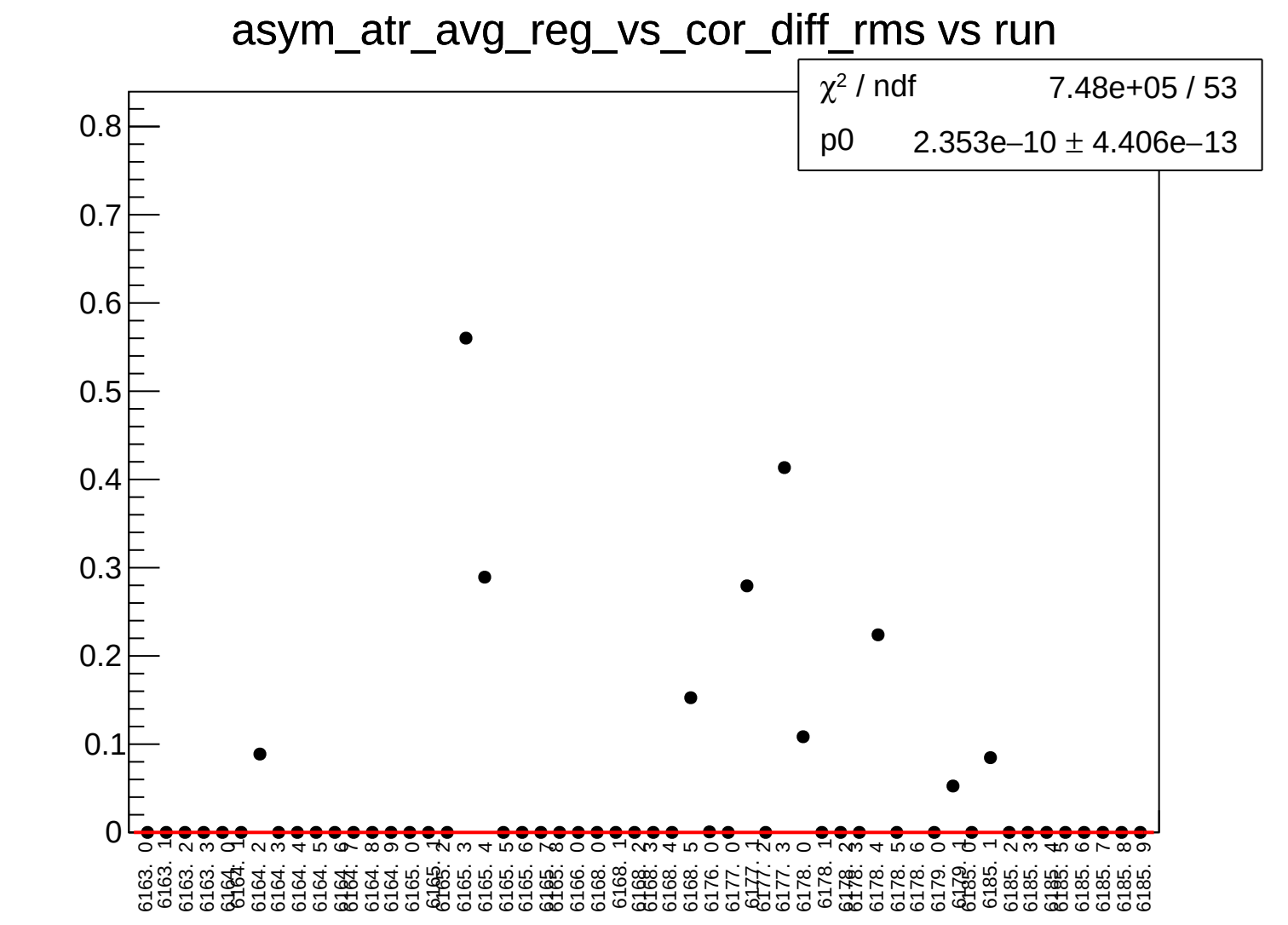

asym_atr_avg_mean vs run
×10^3
χ² / ndf 53.31 / 53
p0 1.655e+04 ± 8676
pull
Entries 54
Mean 49.12
Std Dev 8.409

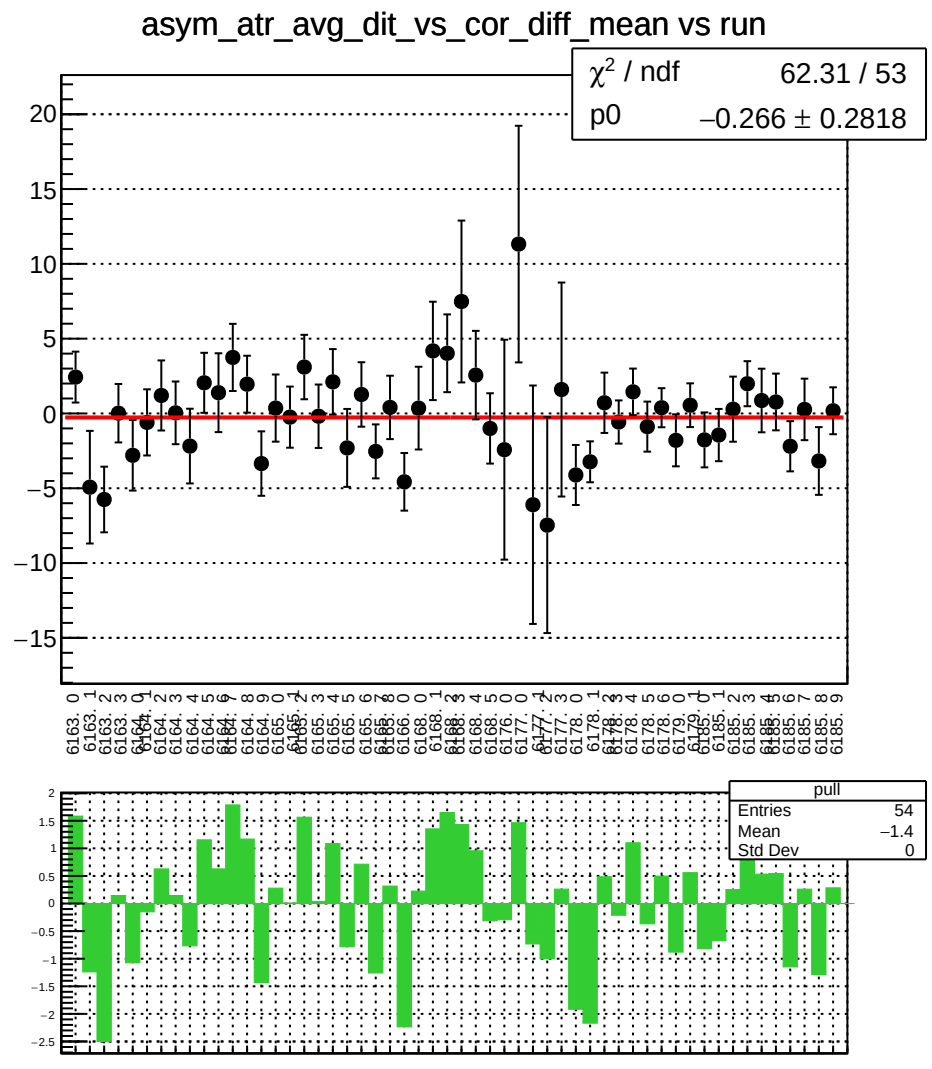

pull1D
Entries 54
Mean 0.02198
Std Dev 0.9933

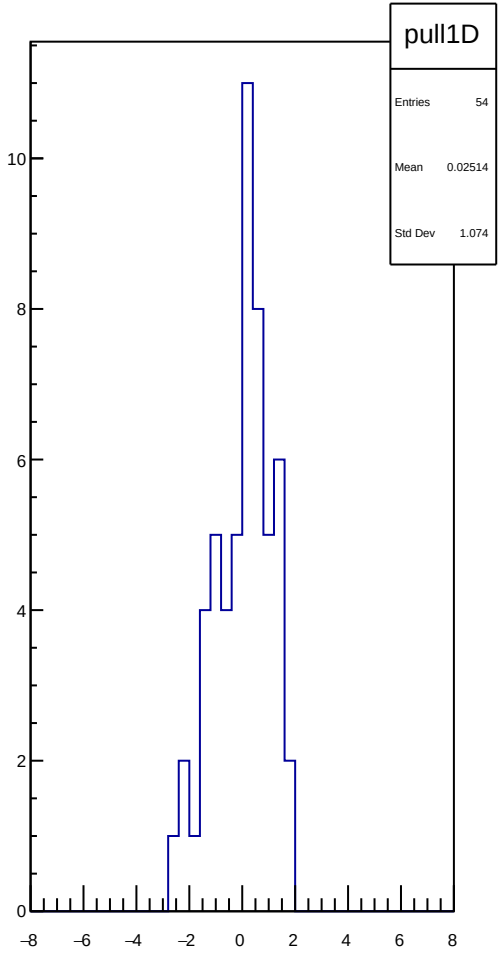

asym_atr_avg_rms vs run
χ² / ndf 6.414e+04 / 53
p0 6039 ± 6.135
10000
9000
8000
7000
6000
5000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

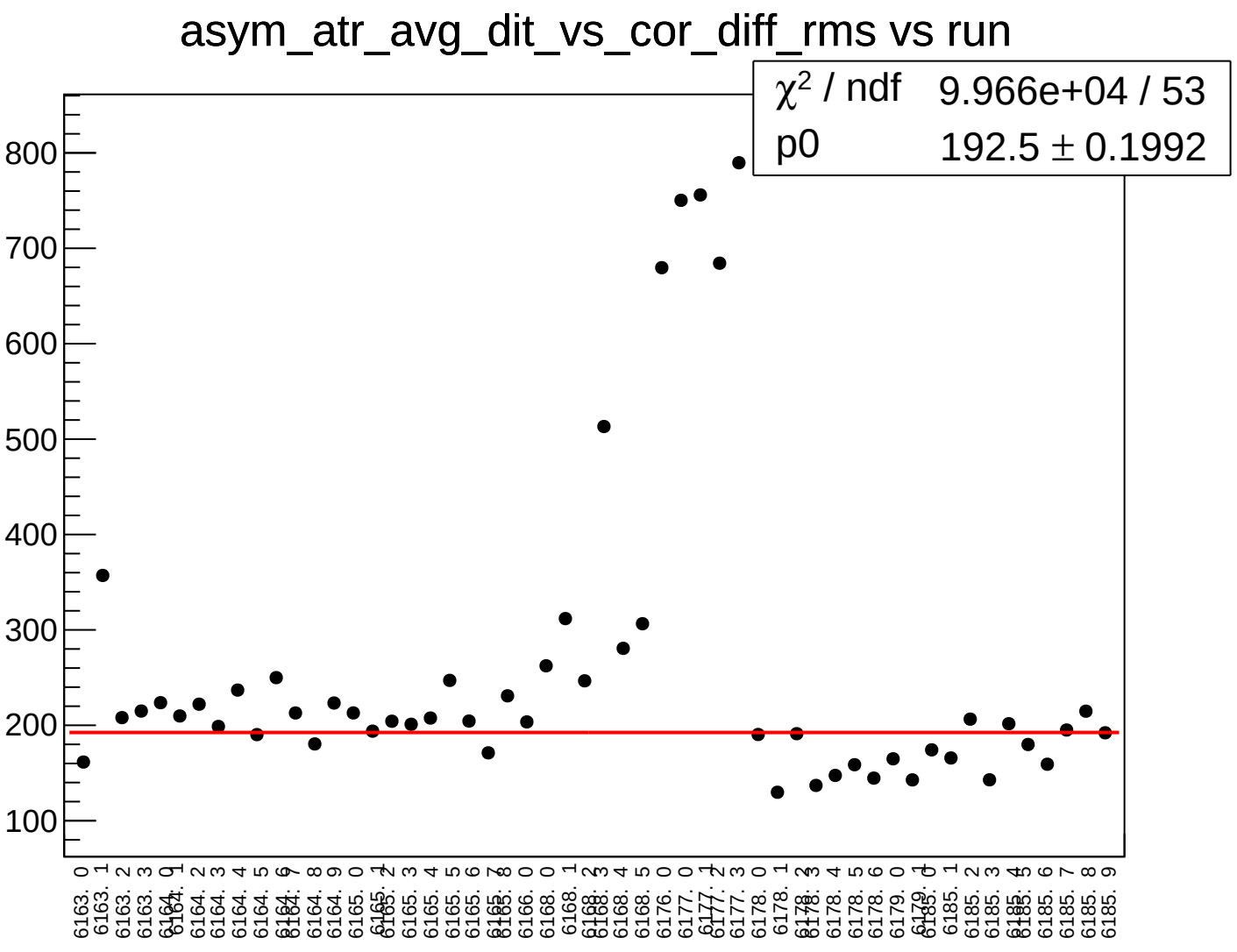

asym_atr_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 68.05 / 53
p0 9.429e−13 ± 6.232e−13
0.015
0.01
0.005
0
−0.005
pull
Entries 54
Mean 77.7
Std Dev 0

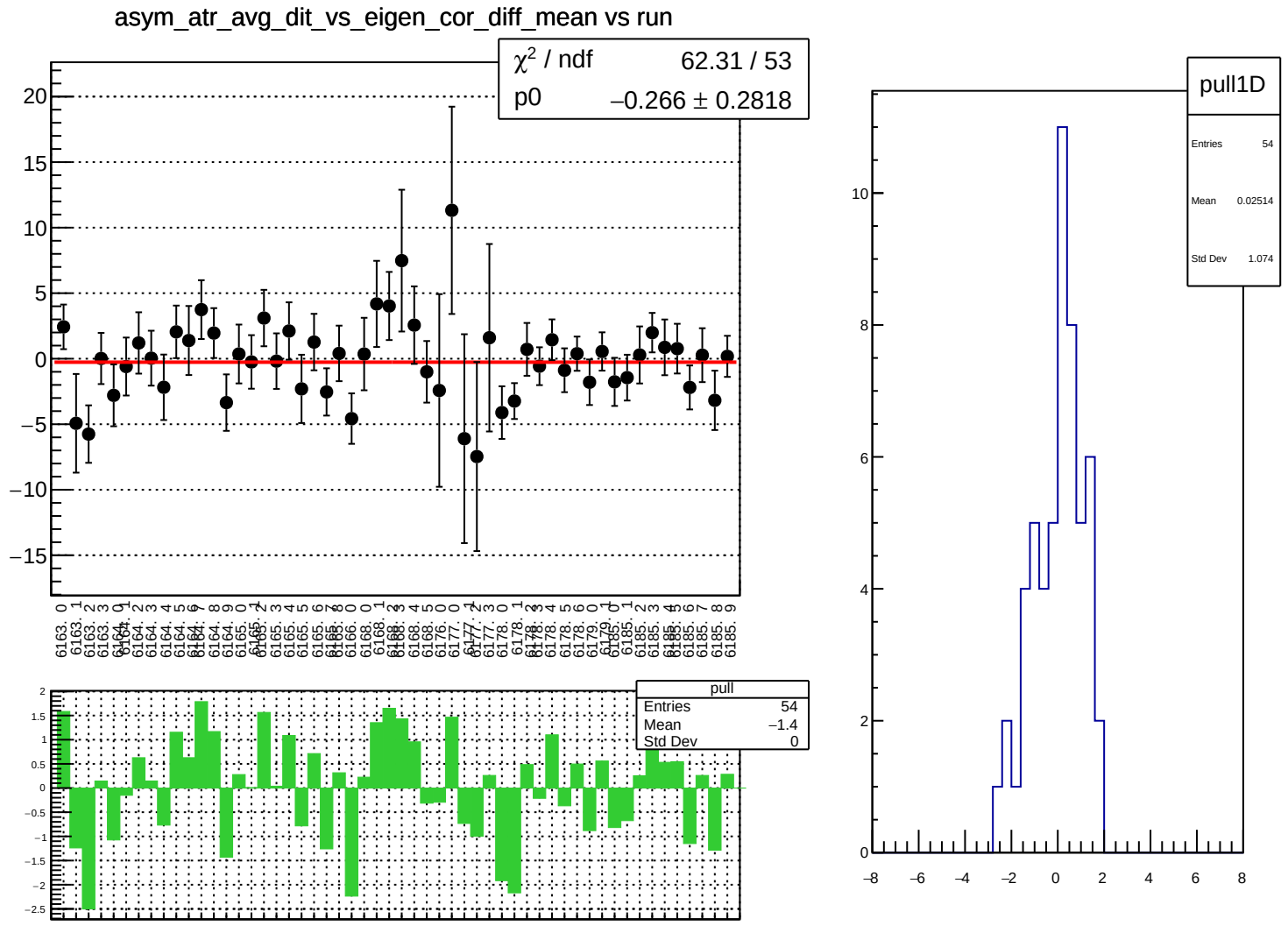

pull1D
Entries 54
Mean 0.1139
Std Dev 1.117

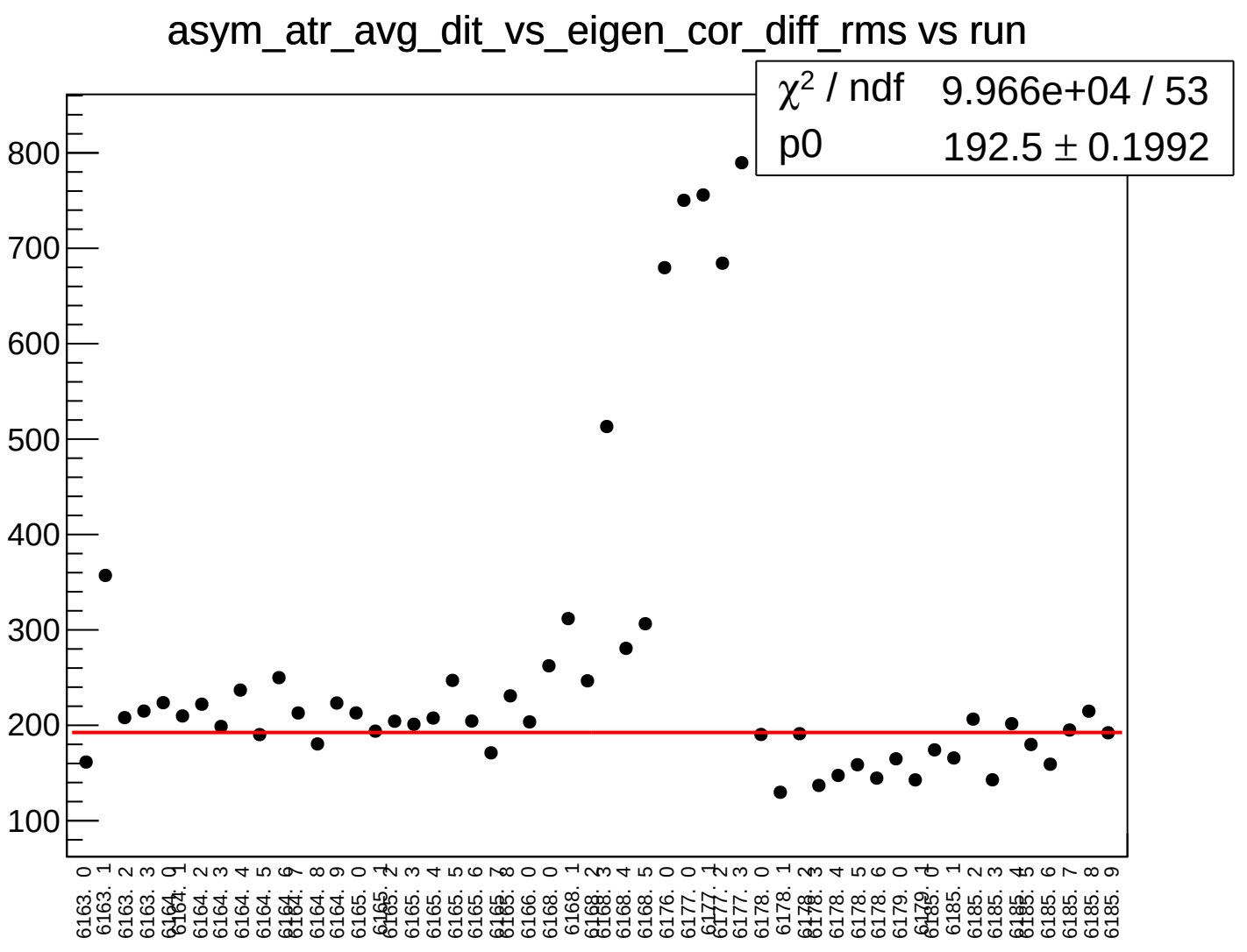

asym_atr_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 7.48e+05 / 53
p0 2.353e−10 ± 4.406e−13
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 2
6165. 3
6165. 4
6165. 5
6165. 6
6165. 7
6165. 8
6166. 0
6168. 0
6168. 1
6168. 2
6168. 3
6168. 4
6168. 5
6176. 0
6177. 0
6177. 1
6177. 2
6177. 3
6178. 0
6178. 1
6178. 2
6178. 3
6178. 4
6178. 5
6178. 6
6179. 0
6179. 1
6185. 0
6185. 1
6185. 2
6185. 3
6185. 4
6185. 5
6185. 6
6185. 7
6185. 8
6185. 9

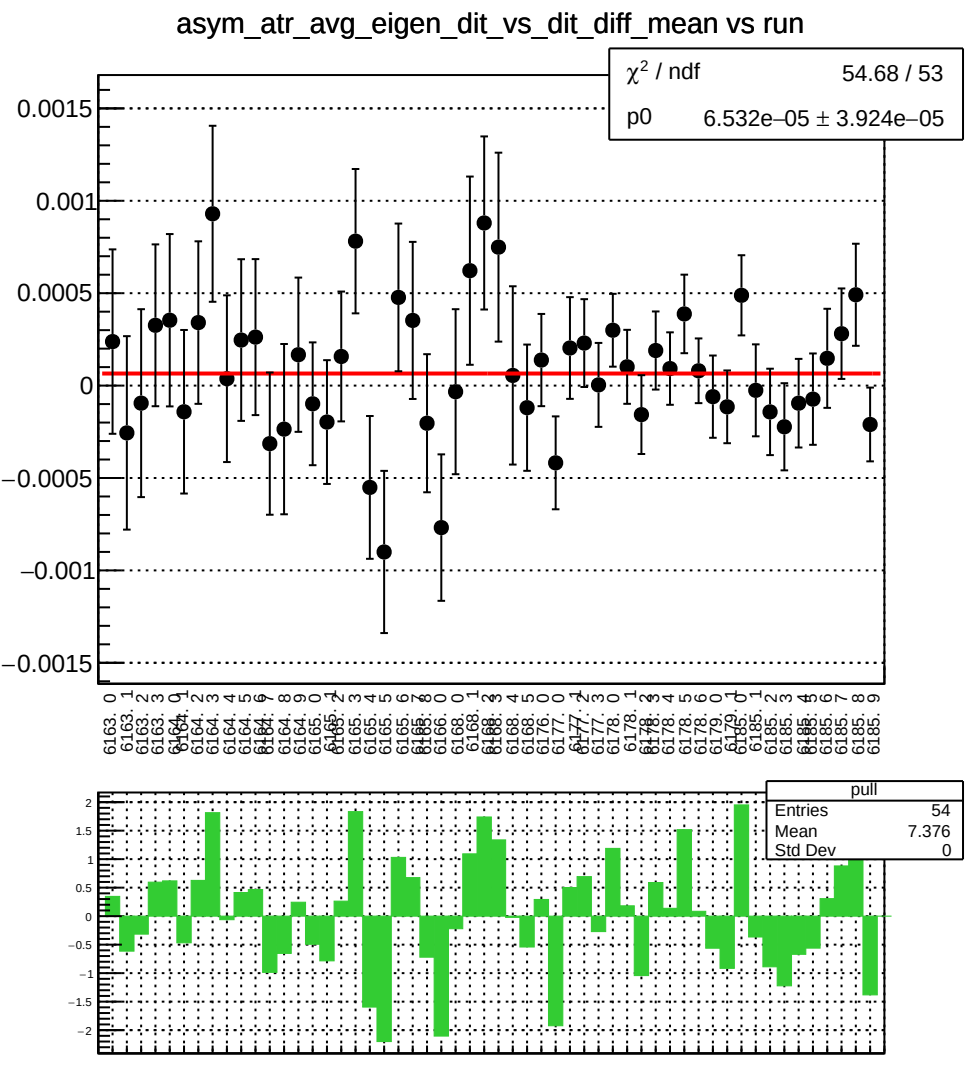

asym_atr_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 62.31 / 53
p0 −0.266 ± 0.2818
pull
Entries 54
Mean −1.4
Std Dev 0

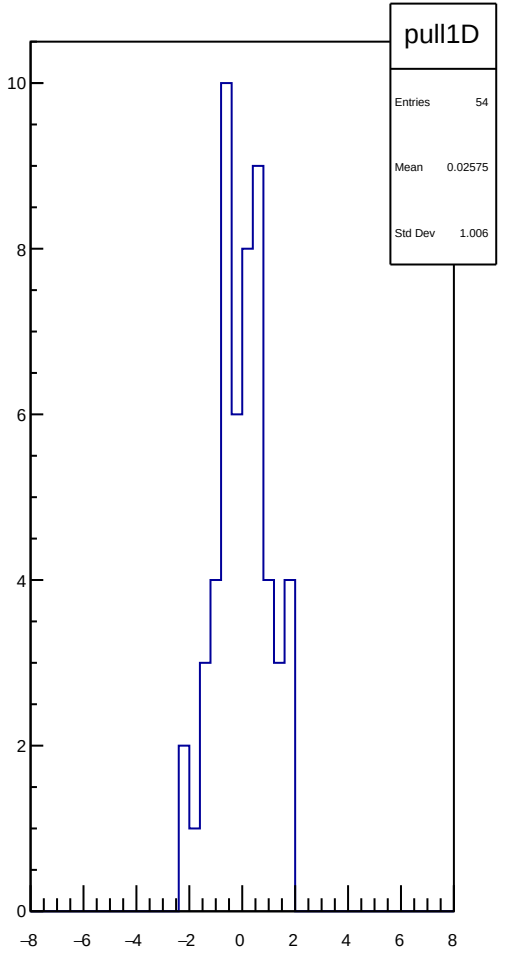

pull1D
Entries 54
Mean 0.02514
Std Dev 1.074

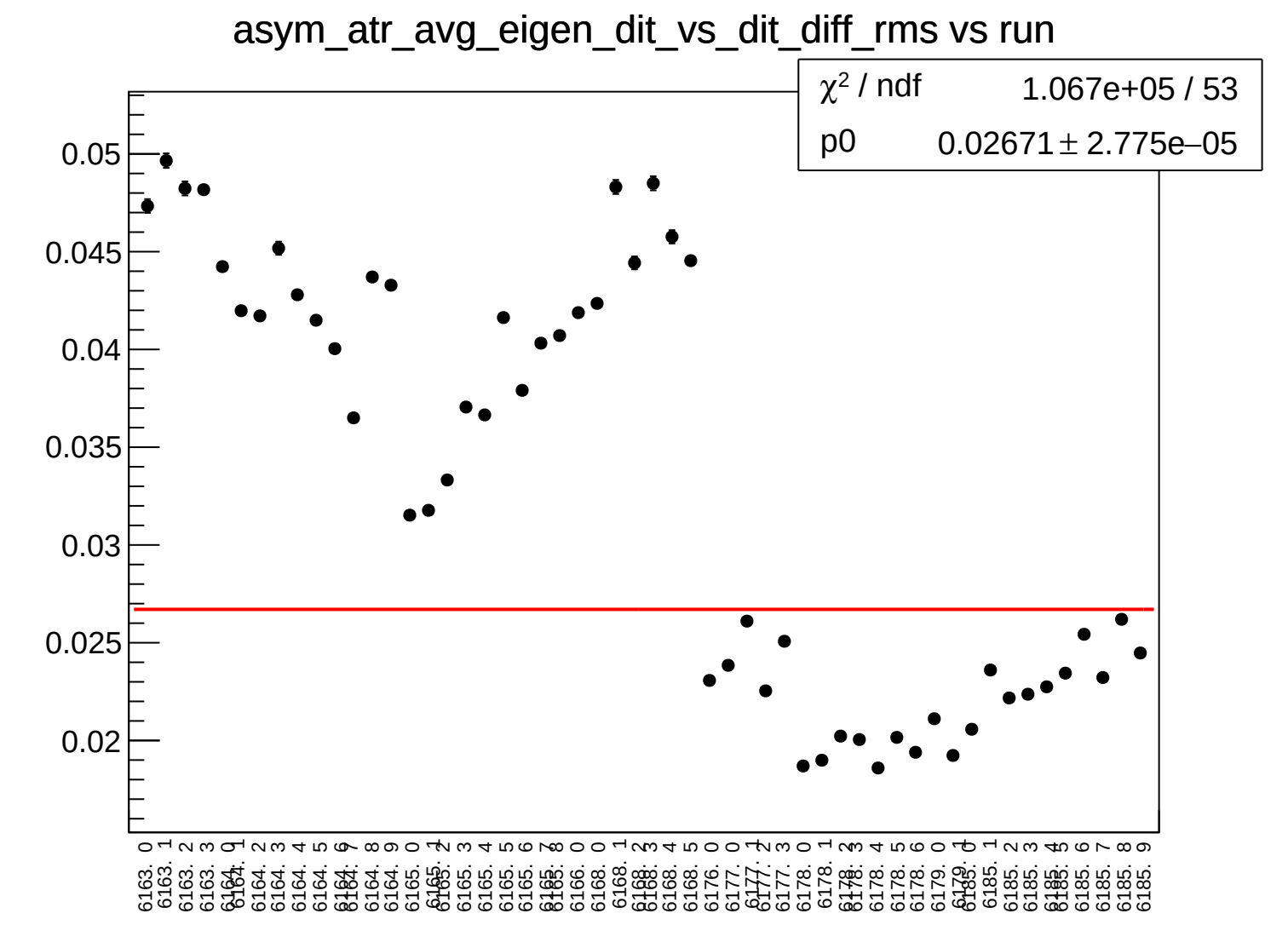

asym_atr_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 9.966e+04 / 53
p0 192.5 ± 0.1992
800
700
600
500
400
300
200
100
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

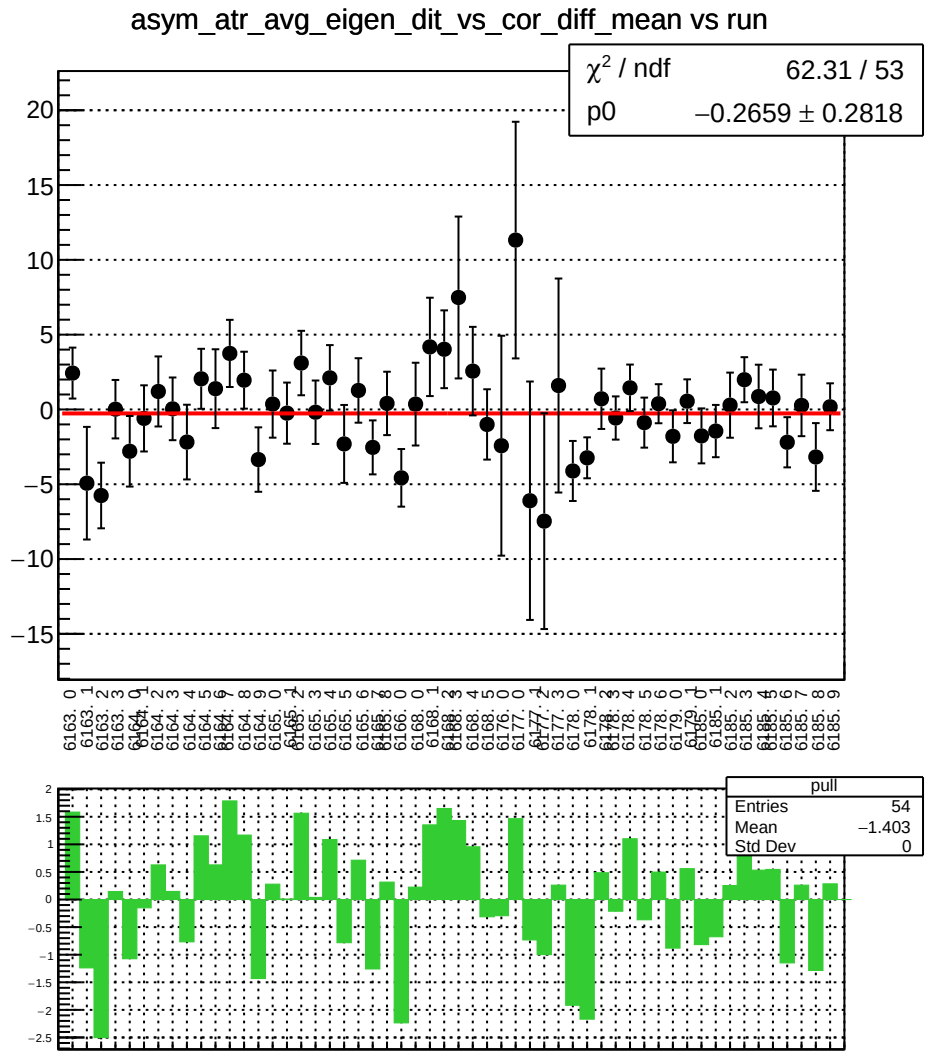

asym_atr_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 62.31 / 53
p0 −0.266 ± 0.2818
pull
Entries 54
Mean −1.4
Std Dev 0
pull1D
Entries 54
Mean 0.02514
Std Dev 1.074

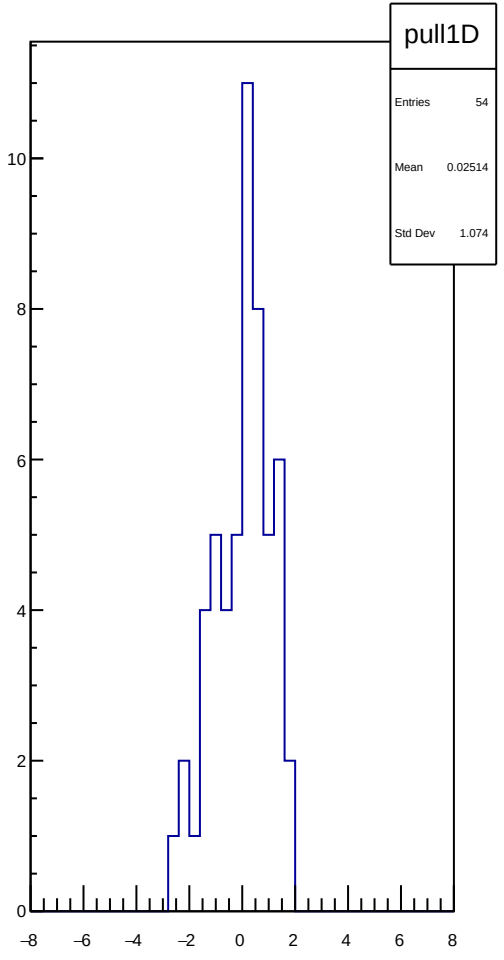

asym_atr_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.966e+04 / 53
p0 192.5 ± 0.1992
800
700
600
500
400
300
200
100
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

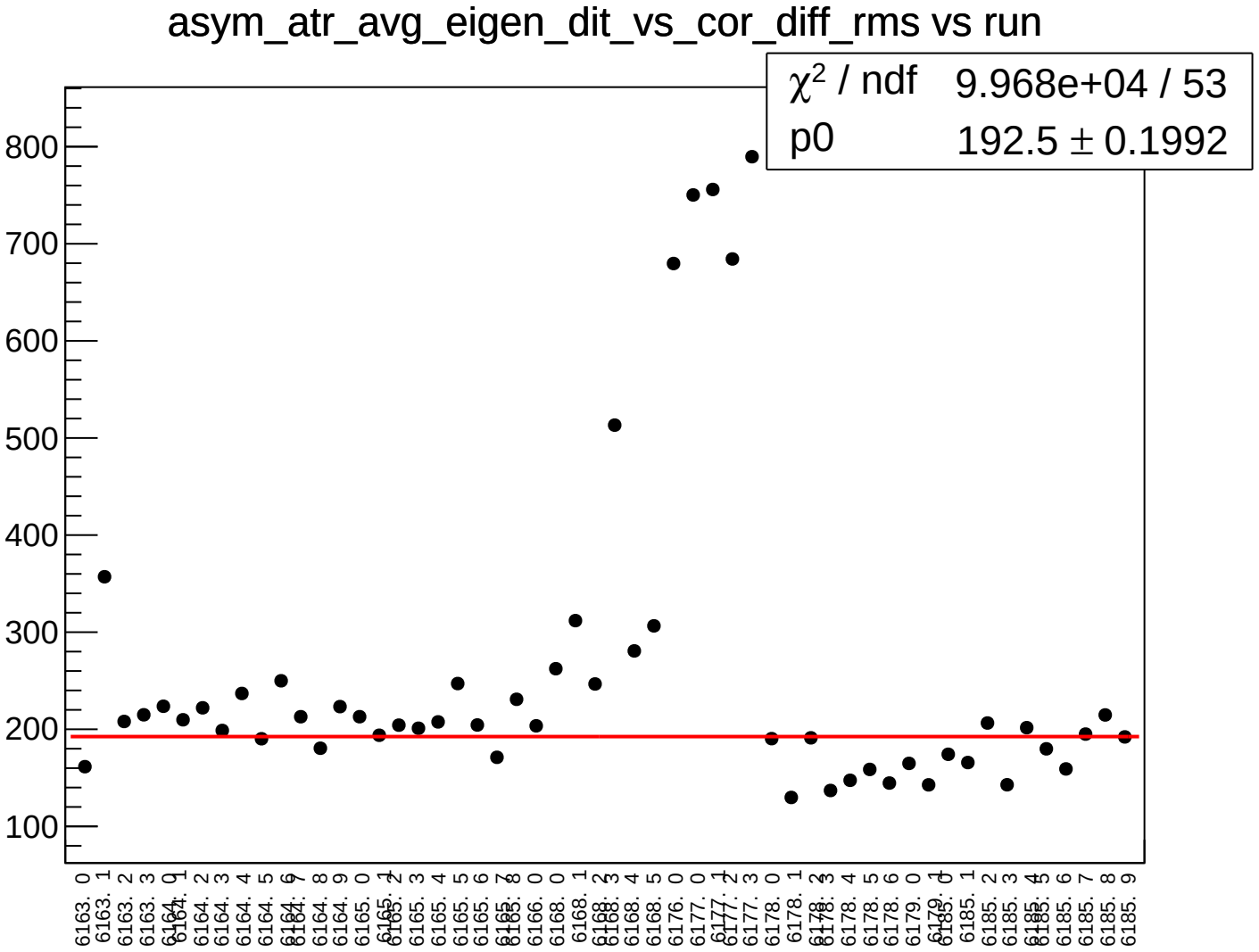

asym_atr_avg_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 54.68 / 53
p0 6.532e−05 ± 3.924e−05
0.0015
0.001
0.0005
0
−0.0005
−0.001
−0.0015
pull
Entries 54
Mean 7.376
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

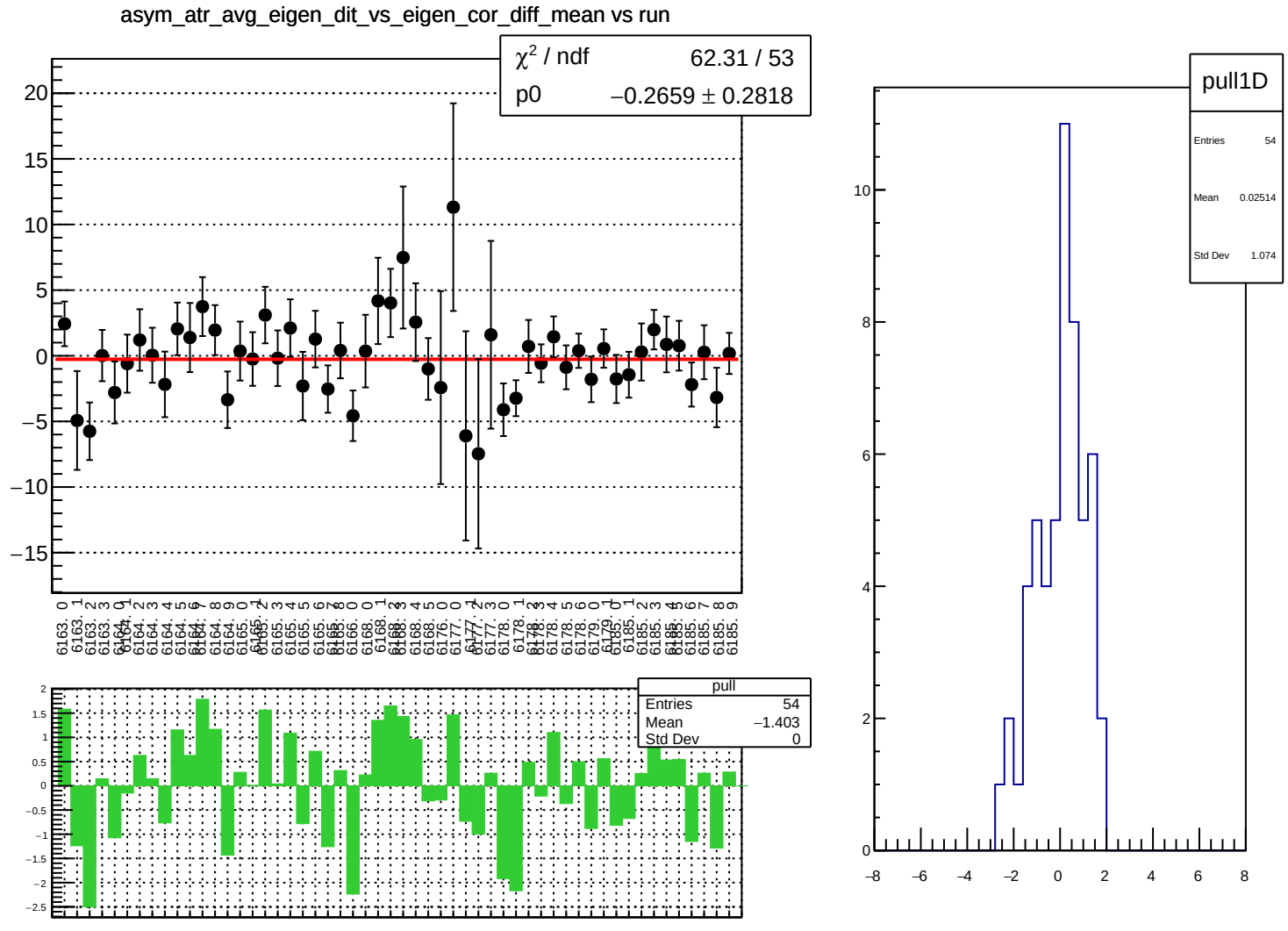

pull1D
Entries 54
Mean 0.02575
Std Dev 1.006
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

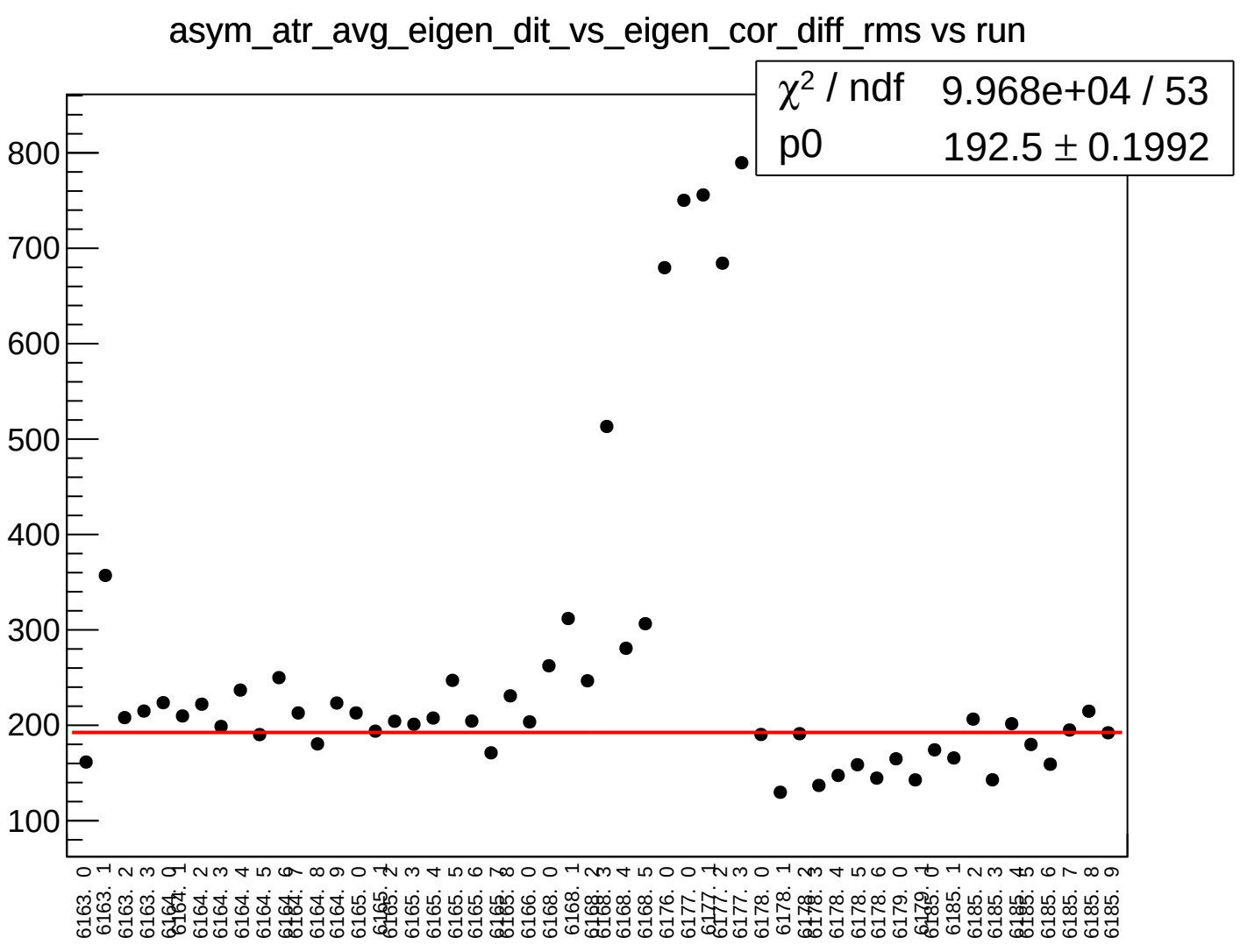

asym_atr_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.067e+05 / 53
p0 0.02671 ± 2.775e–05
0.05
0.045
0.04
0.035
0.03
0.025
0.02
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

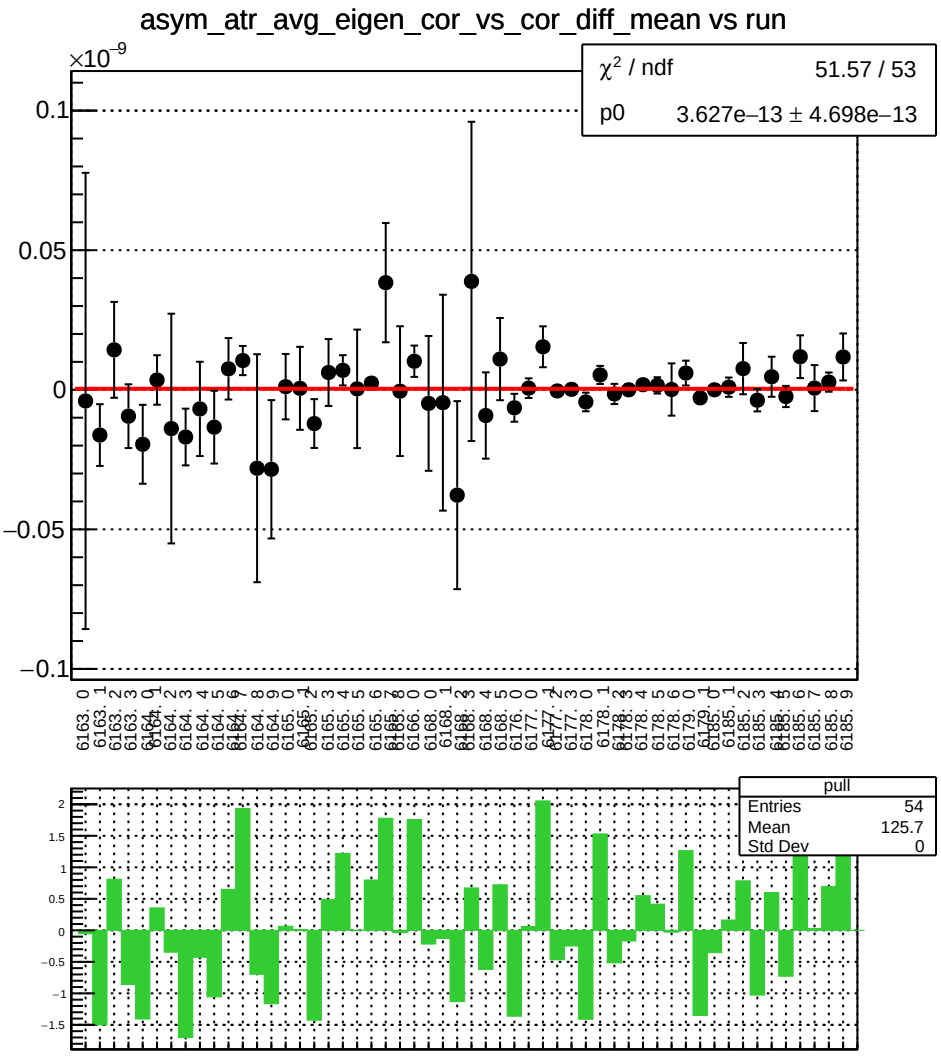

asym_atr_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 62.31 / 53
p0 −0.2659 ± 0.2818
pull
Entries 54
Mean −1.403
Std Dev 0

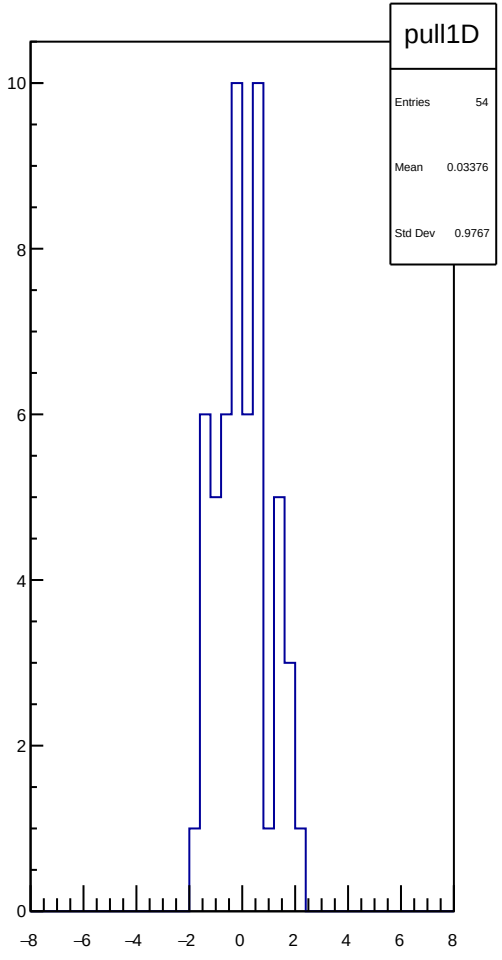

pull1D
Entries 54
Mean 0.02514
Std Dev 1.074

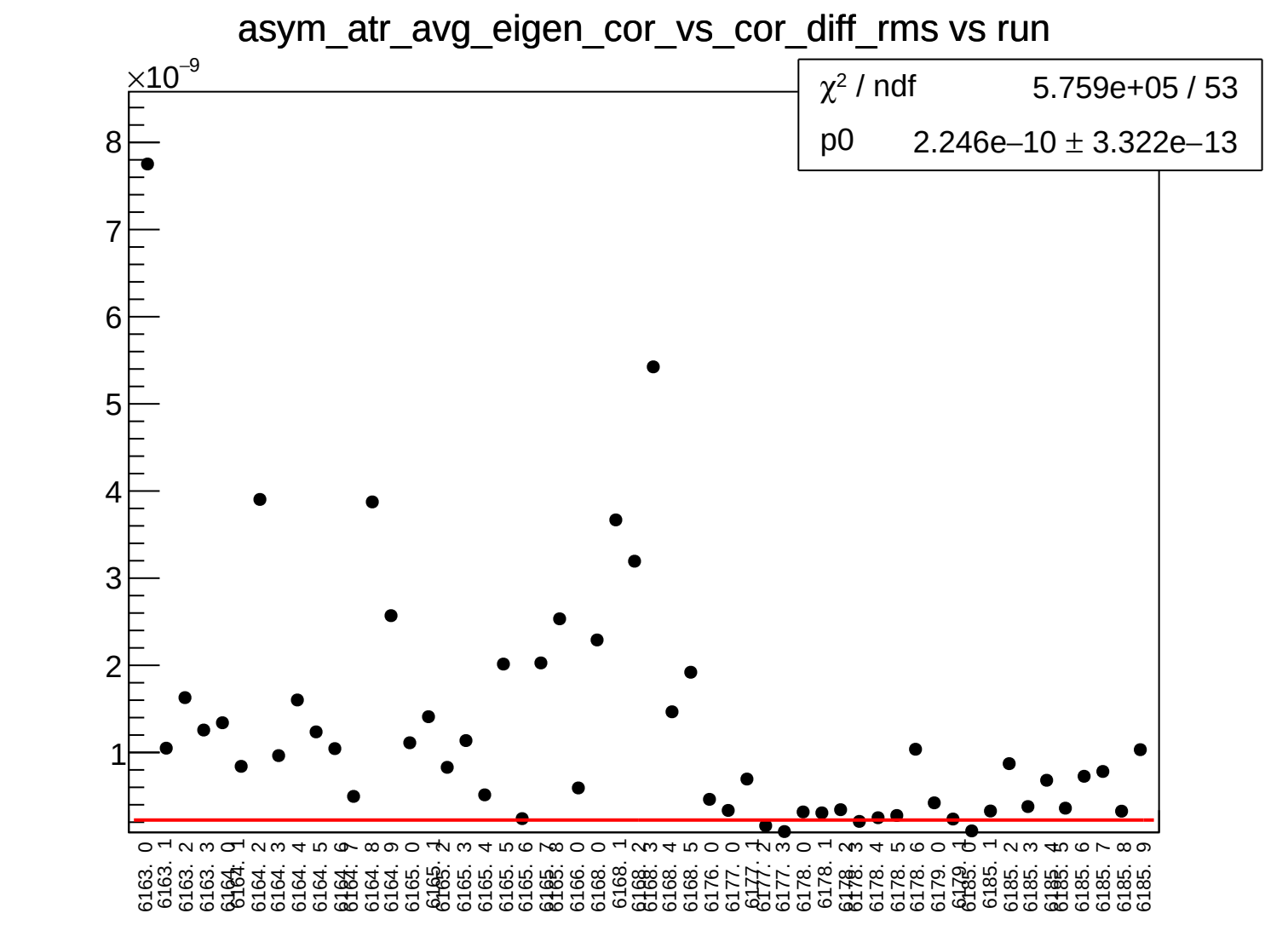

asym_atr_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 9.968e+04 / 53
p0 192.5 ± 0.1992
800
700
600
500
400
300
200
100
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

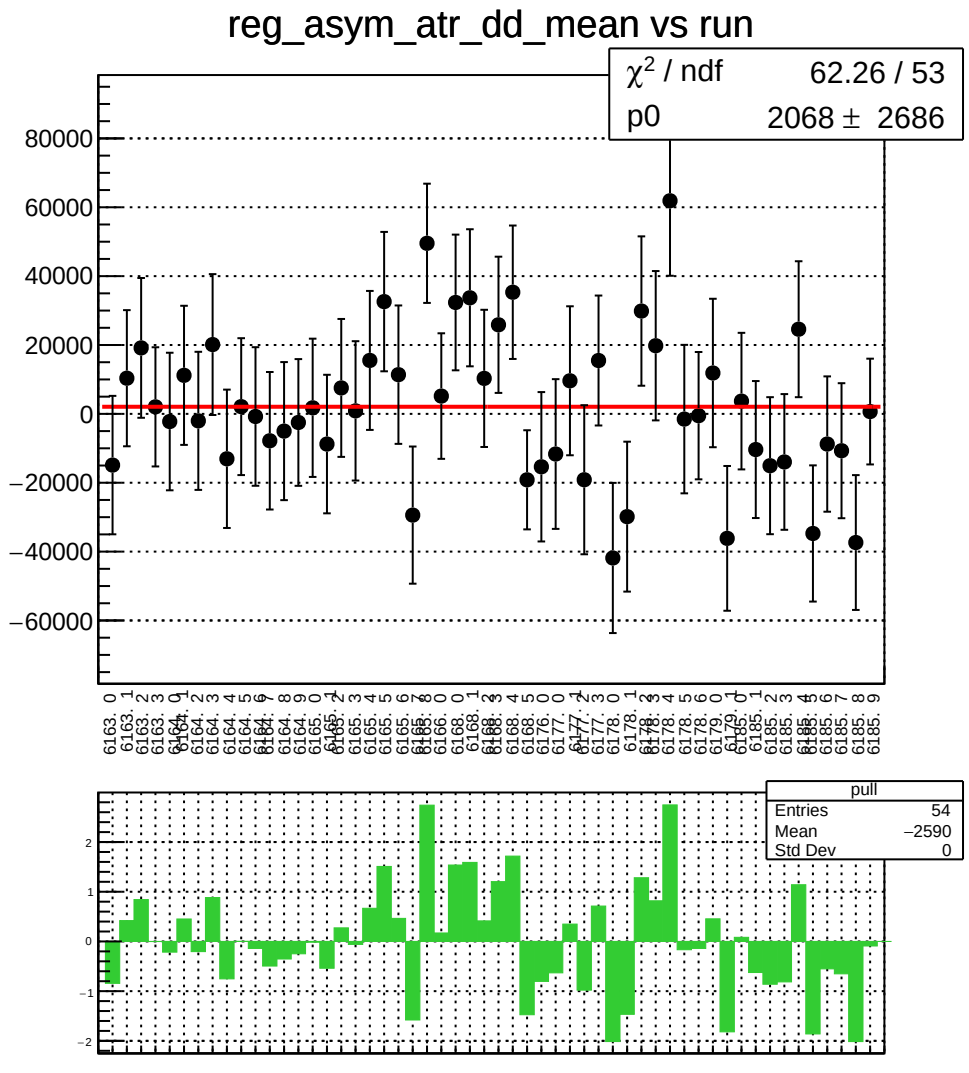

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 62.31 / 53
p0 −0.2659 ± 0.2818
pull
Entries 54
Mean −1.403
Std Dev 0
pull1D
Entries 54
Mean 0.02514
Std Dev 1.074

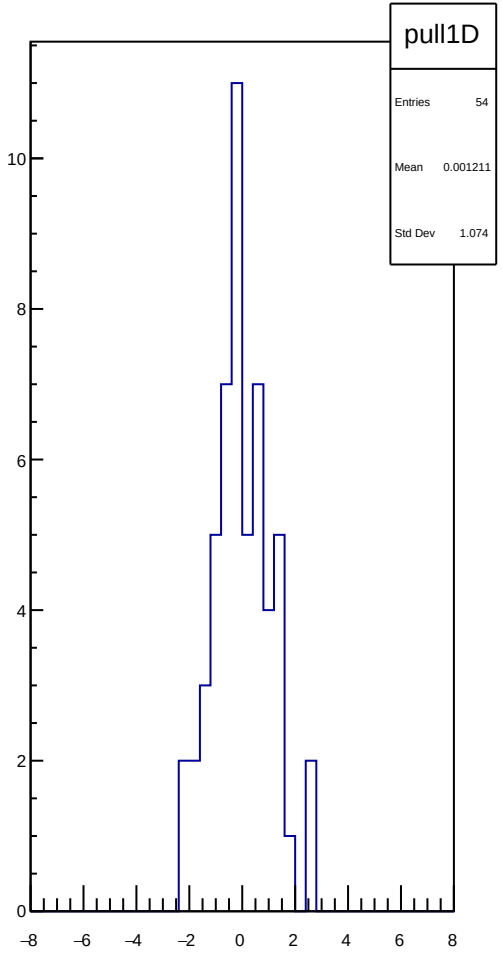

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.968e+04 / 53
p0 192.5 ± 0.1992
800
700
600
500
400
300
200
100
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

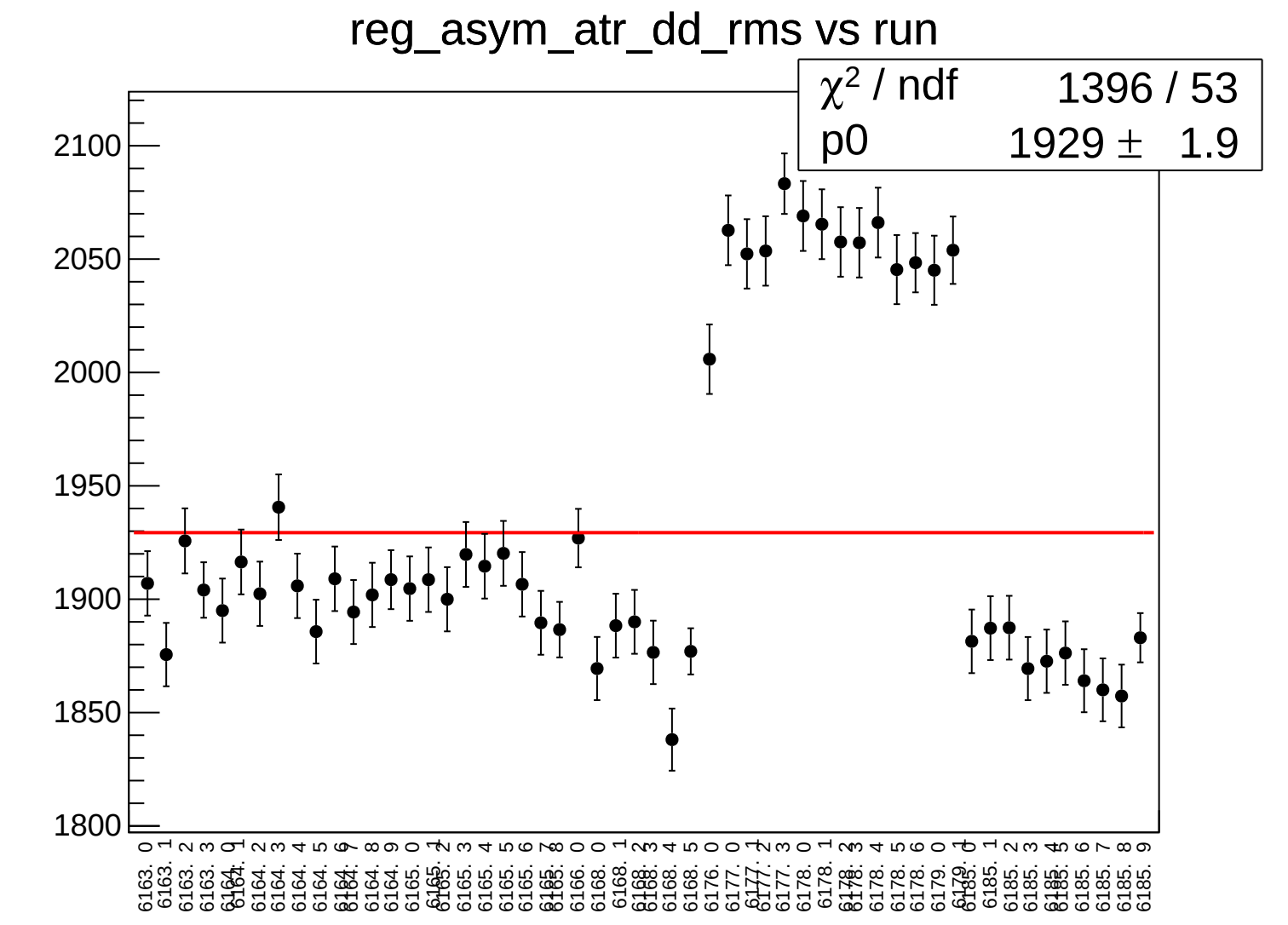

asym_atr_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻⁹
χ² / ndf 51.57 / 53
p0 3.627e−13 ± 4.698e−13
0.1
0.05
0
−0.05
−0.1
pull
Entries 54
Mean 125.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

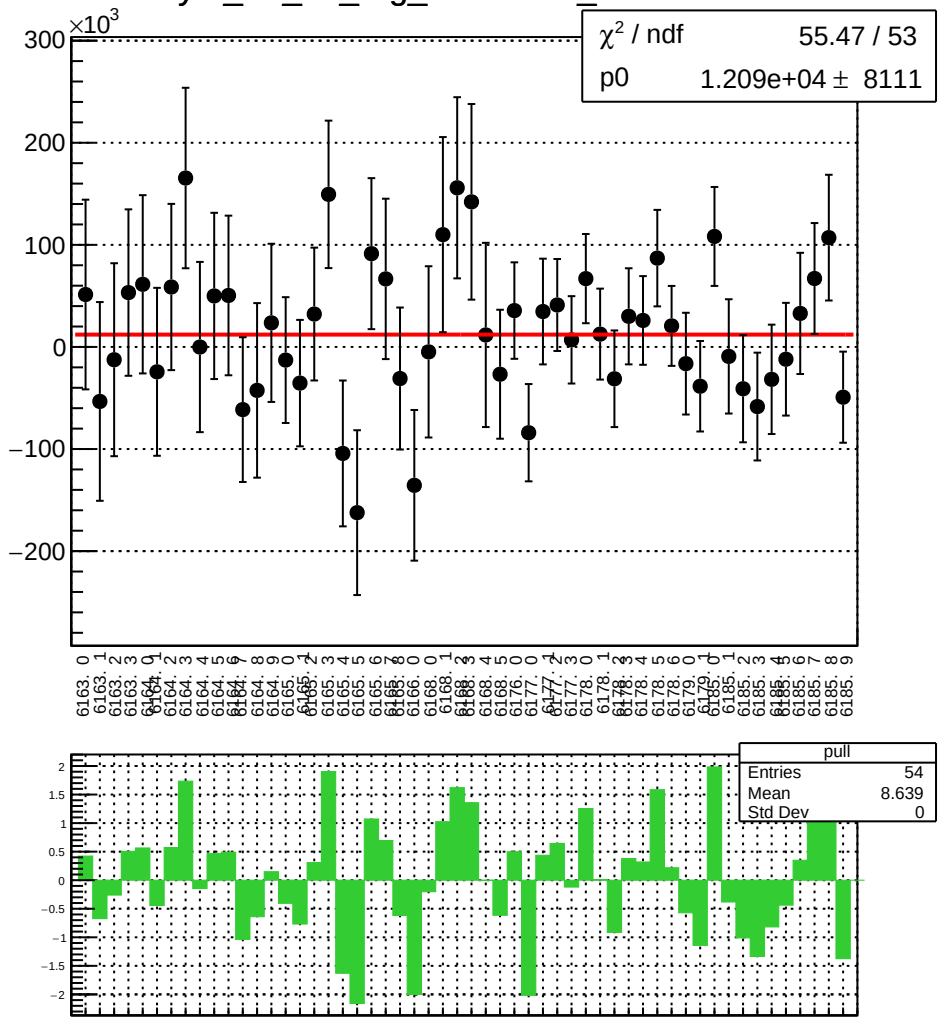

pull1D
Entries 54
Mean 0.03376
Std Dev 0.9767
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

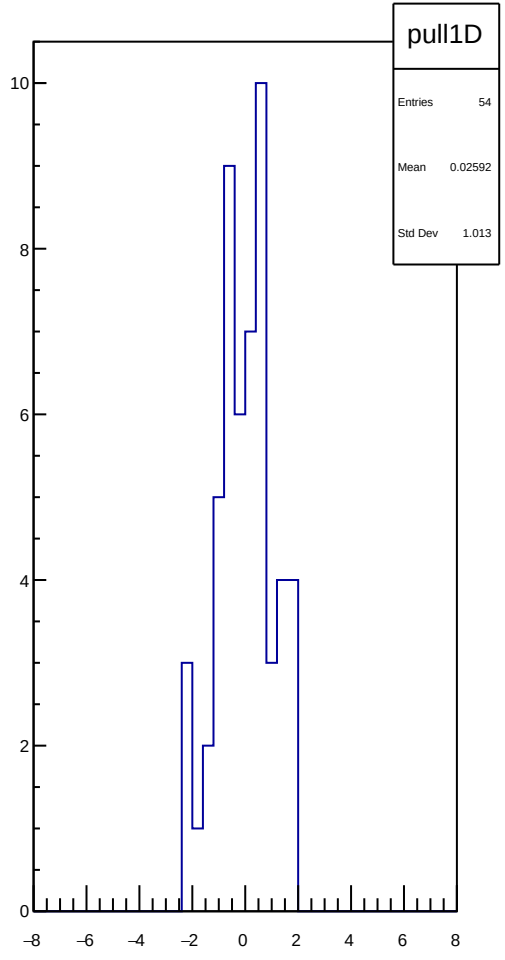

asym_atr_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.759e+05 / 53
p0 2.246e−10 ± 3.322e−13
8
7
6
5
4
3
2
1
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

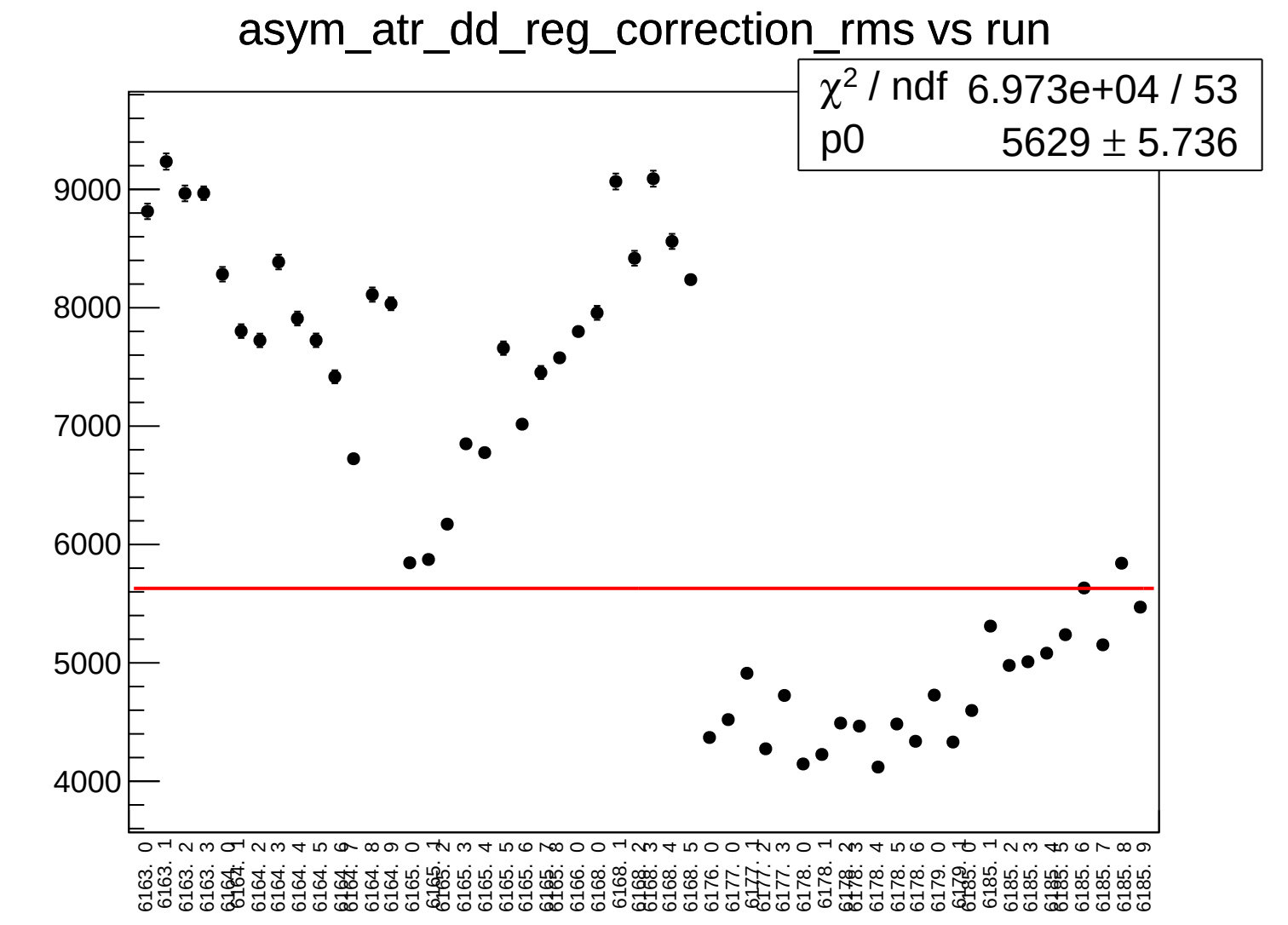

reg_asym_atr_dd_mean vs run
χ^2 / ndf 62.26 / 53
p0 2068 ± 2686
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean −2590
Std Dev 0
2
1
0
−1
−2

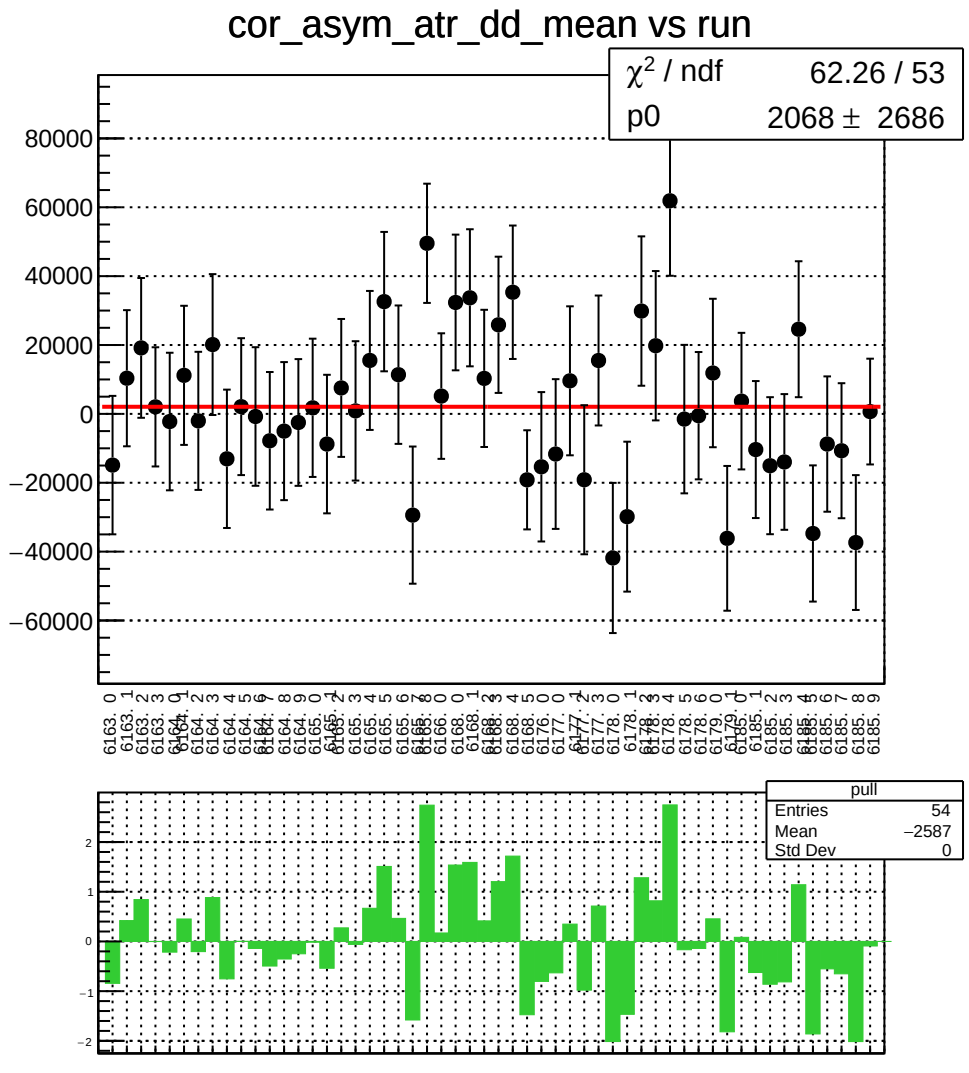

pull1D
Entries 54
Mean 0.001211
Std Dev 1.074
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

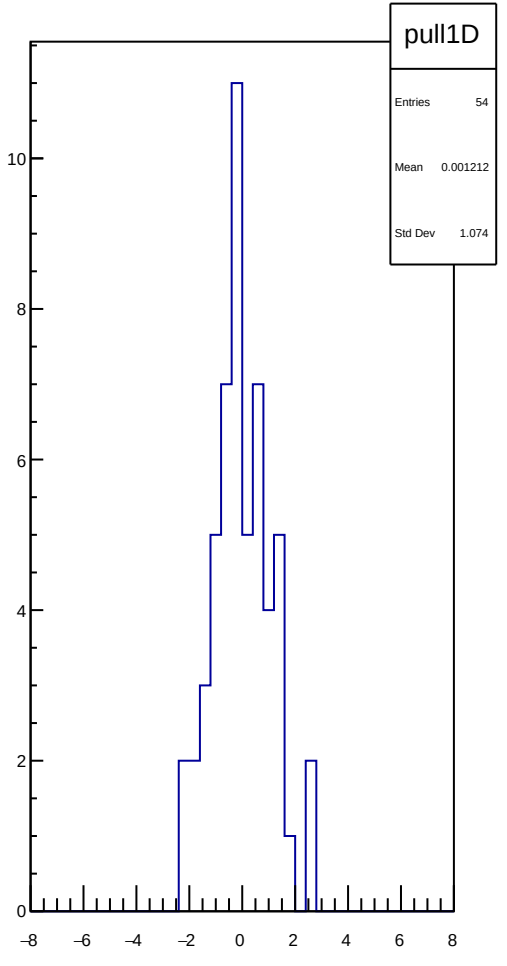

reg_asym_atr_dd_rms vs run
χ² / ndf 1396 / 53
p0 1929 ± 1.9
2100
2050
2000
1950
1900
1850
1800
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

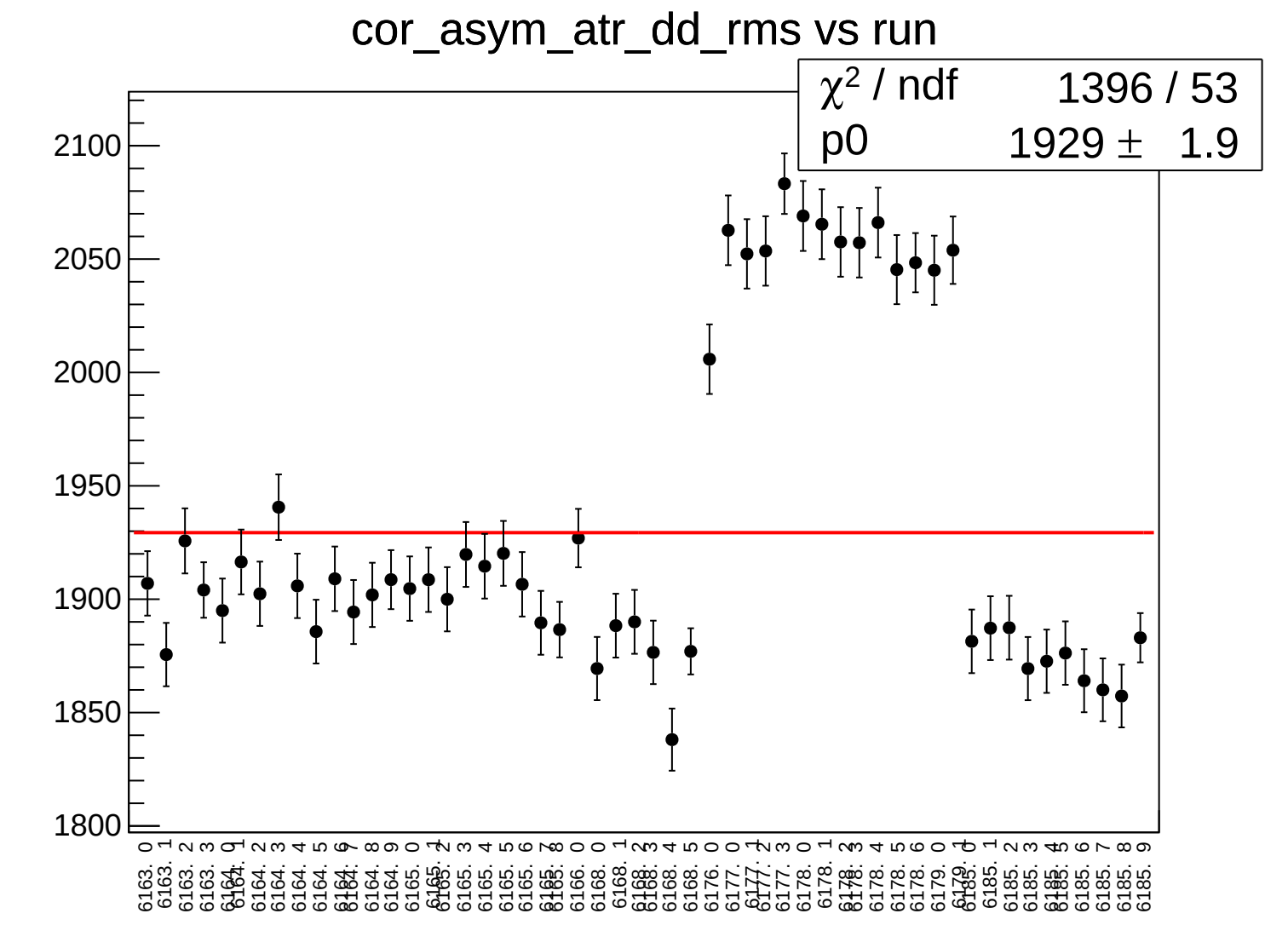

asym_atr_dd_reg_correction_mean vs run
×10^3
χ² / ndf 55.47 / 53
p0 1.209e+04 ± 8111
pull
Entries 54
Mean 8.639
Std Dev 0

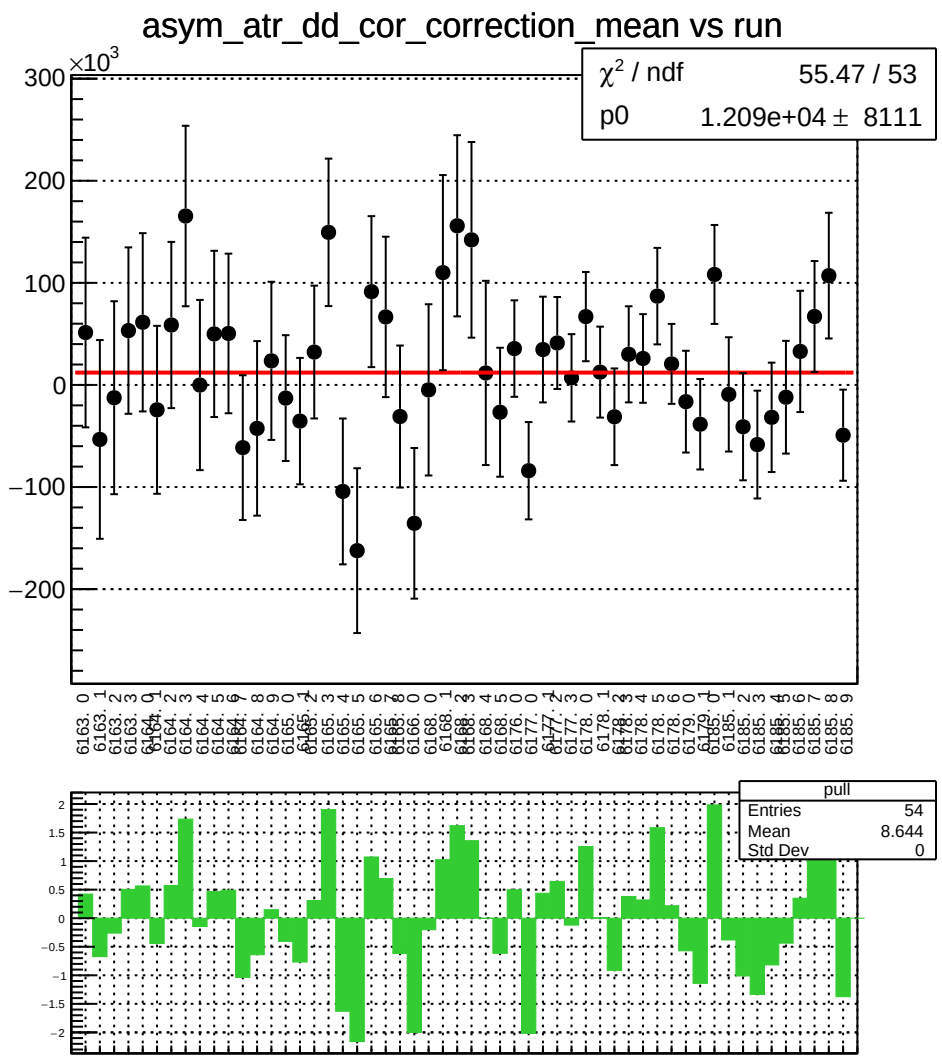

pull1D
Entries 54
Mean 0.02592
Std Dev 1.013

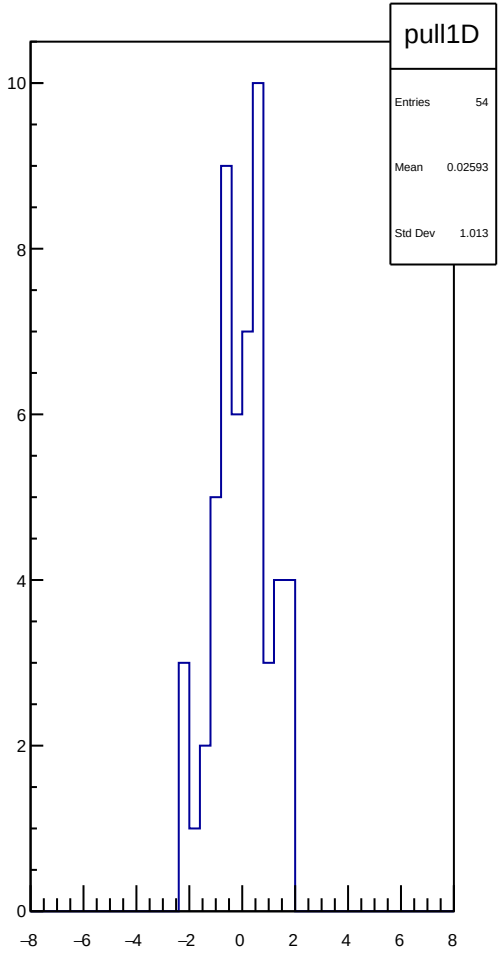

asym_atr_dd_reg_correction_rms vs run
χ² / ndf 6.973e+04 / 53
p0 5629 ± 5.736
9000
8000
7000
6000
5000
4000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

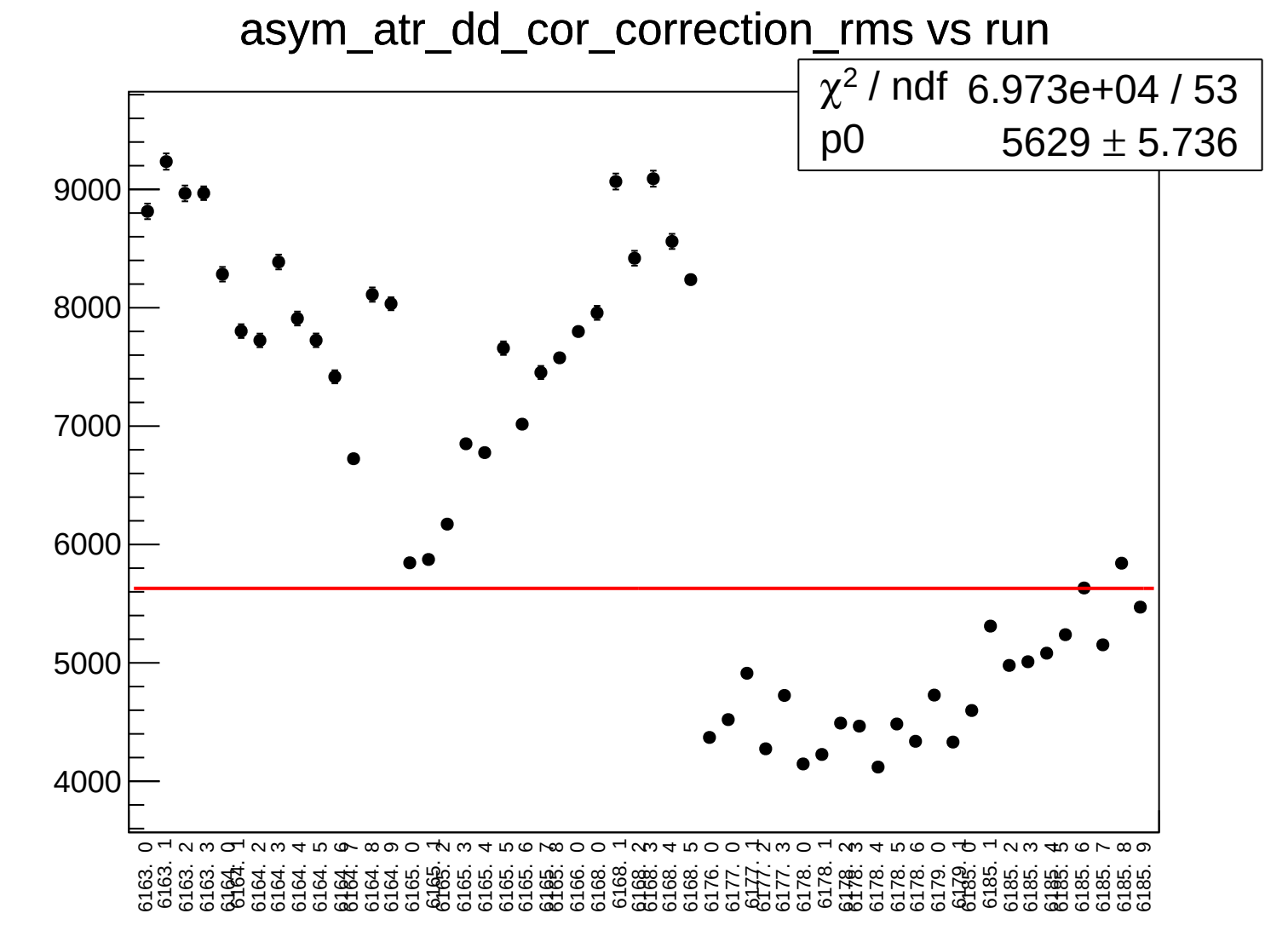

cor_asym_atr_dd_mean vs run
χ² / ndf 62.26 / 53
p0 2068 ± 2686
pull
Entries 54
Mean −2587
Std Dev 0

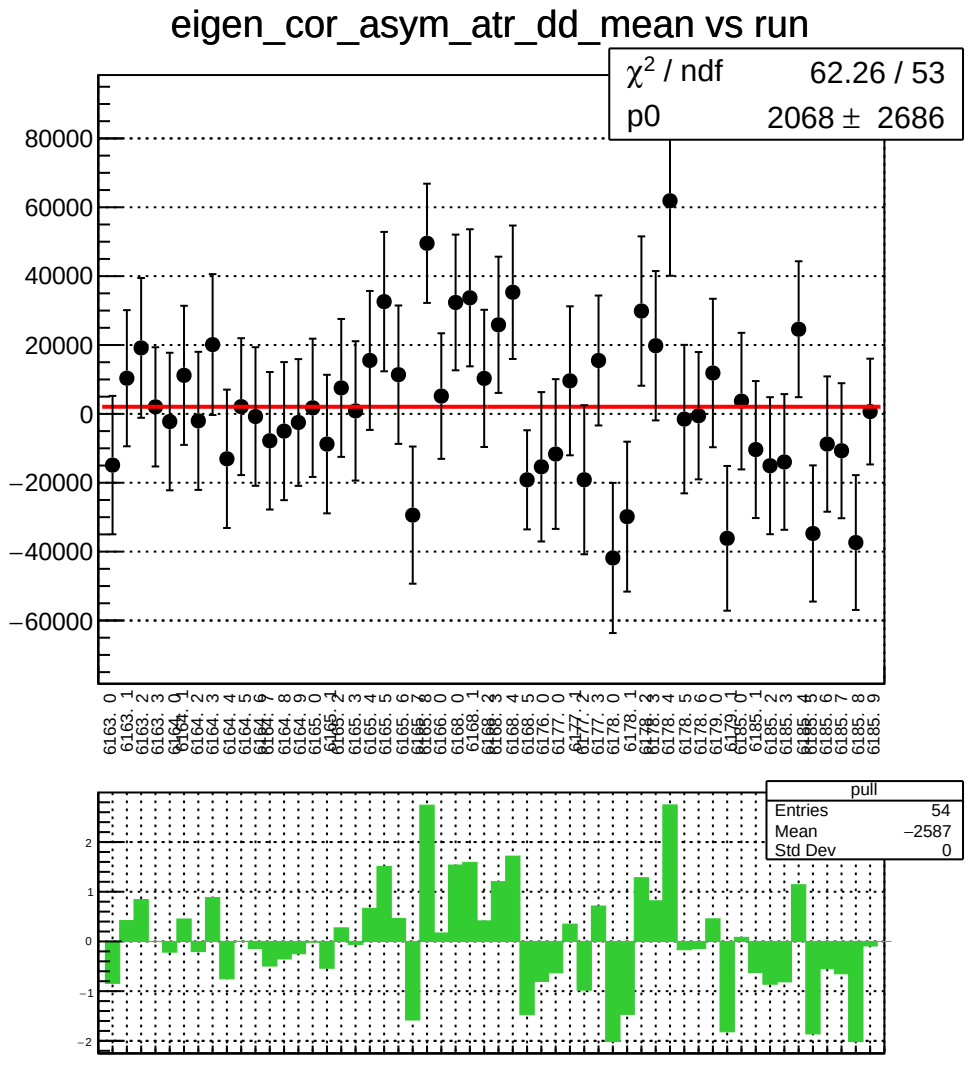

pull1D
Entries 54
Mean 0.001212
Std Dev 1.074

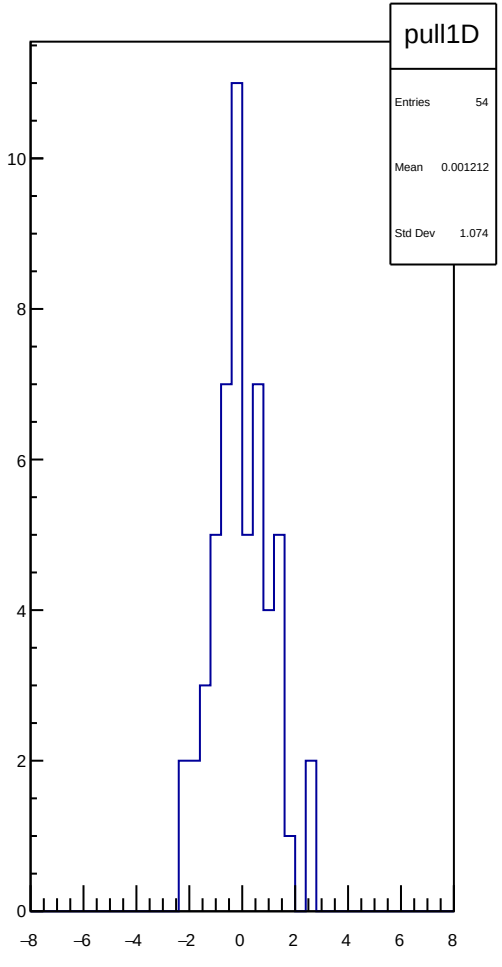

cor_asym_atr_dd_rms vs run
χ² / ndf 1396 / 53
p0 1929 ± 1.9
2100
2050
2000
1950
1900
1850
1800
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

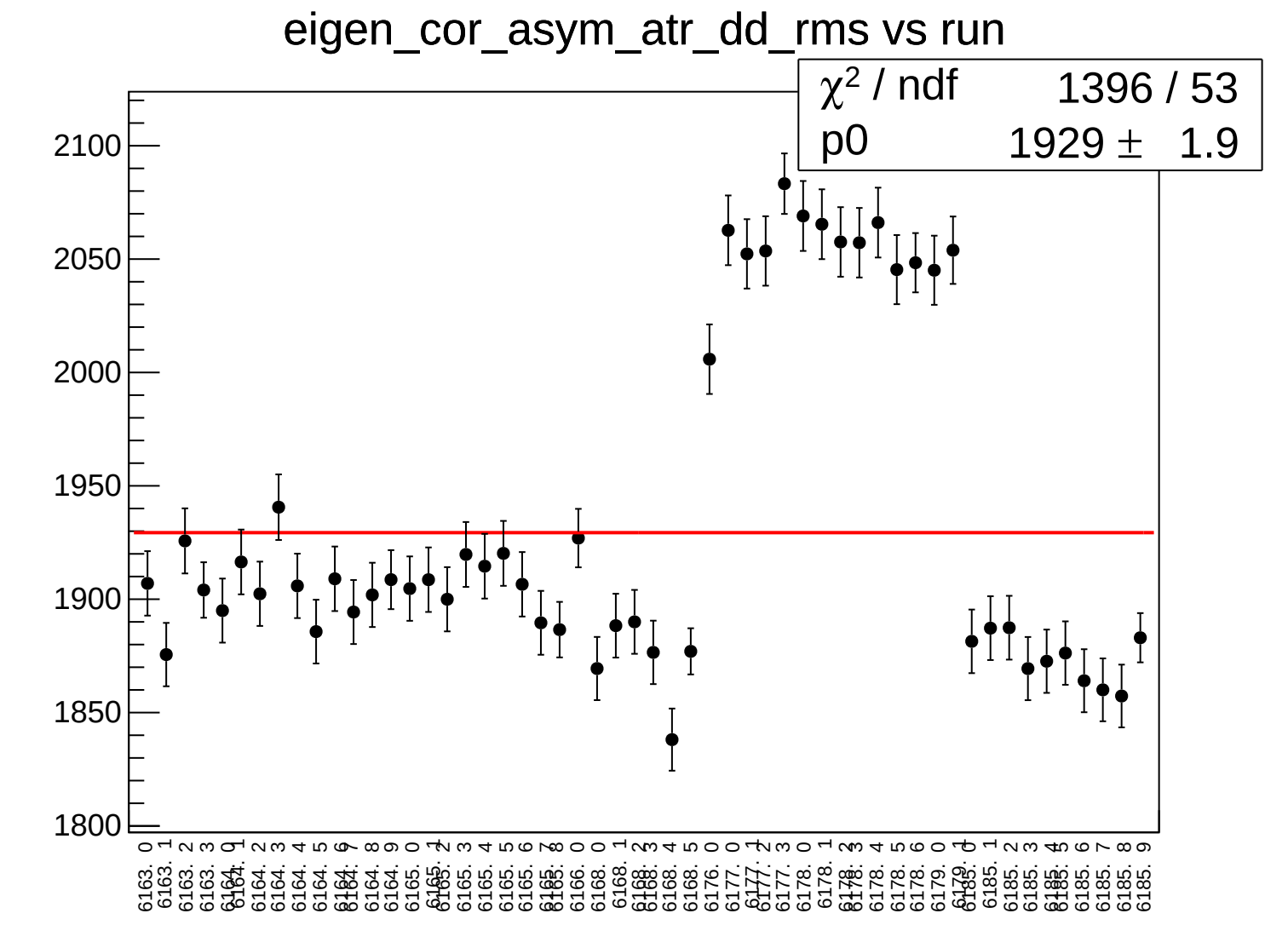

asym_atr_dd_cor_correction_mean vs run
×10^3
χ² / ndf 55.47 / 53
p0 1.209e+04 ± 8111
pull
Entries 54
Mean 8.644
Std Dev 0

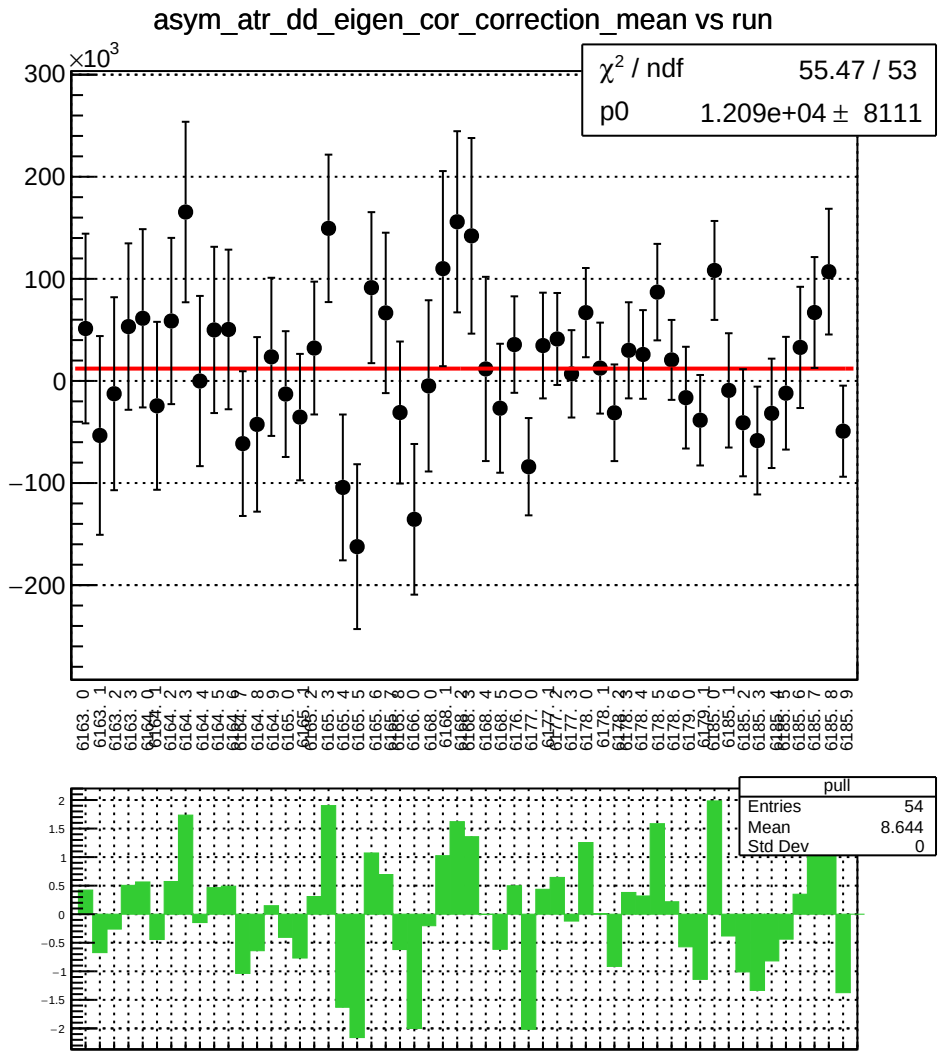

pull1D
Entries 54
Mean 0.02593
Std Dev 1.013

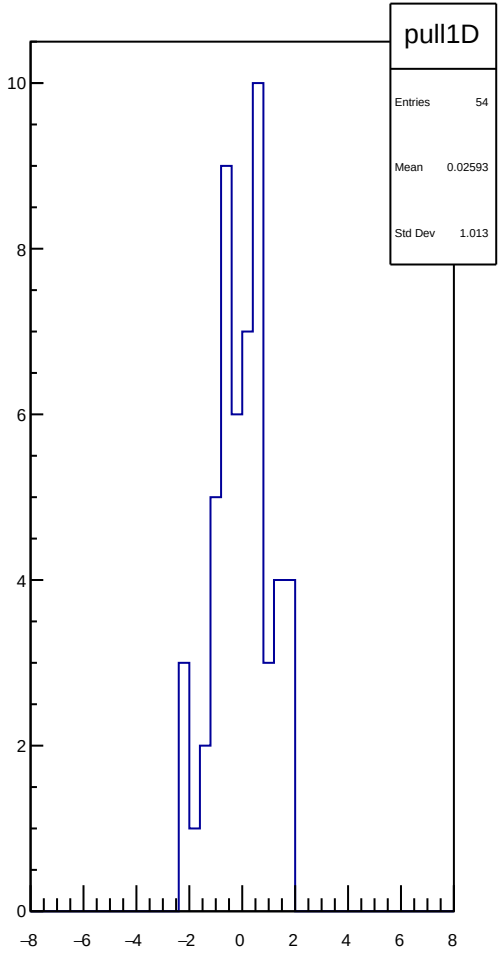

asym_atr_dd_cor_correction_rms vs run
χ² / ndf 6.973e+04 / 53
p0 5629 ± 5.736
9000
8000
7000
6000
5000
4000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

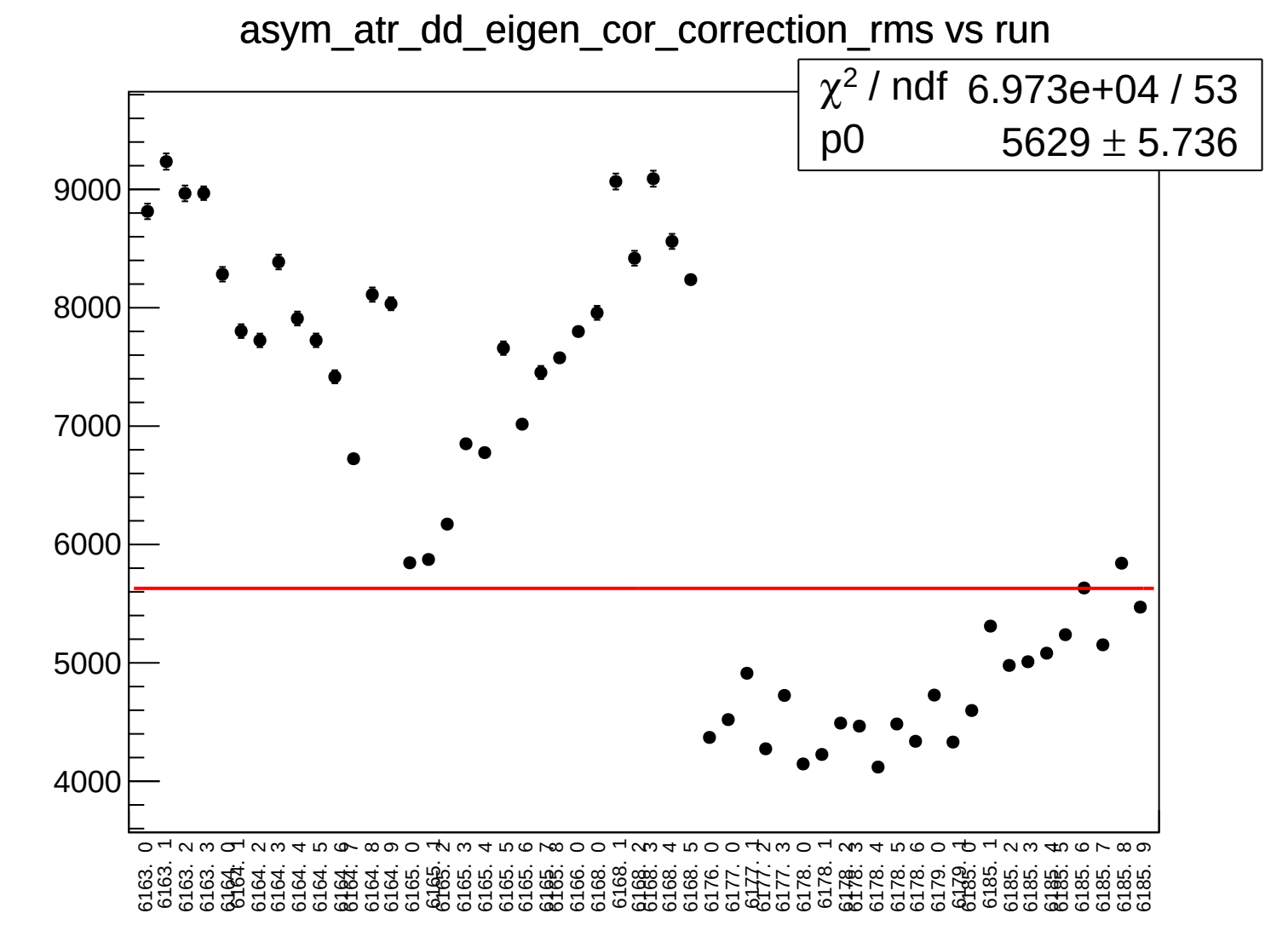

eigen_cor_asym_atr_dd_mean vs run
χ² / ndf 62.26 / 53
p0 2068 ± 2686
pull
Entries 54
Mean −2587
Std Dev 0

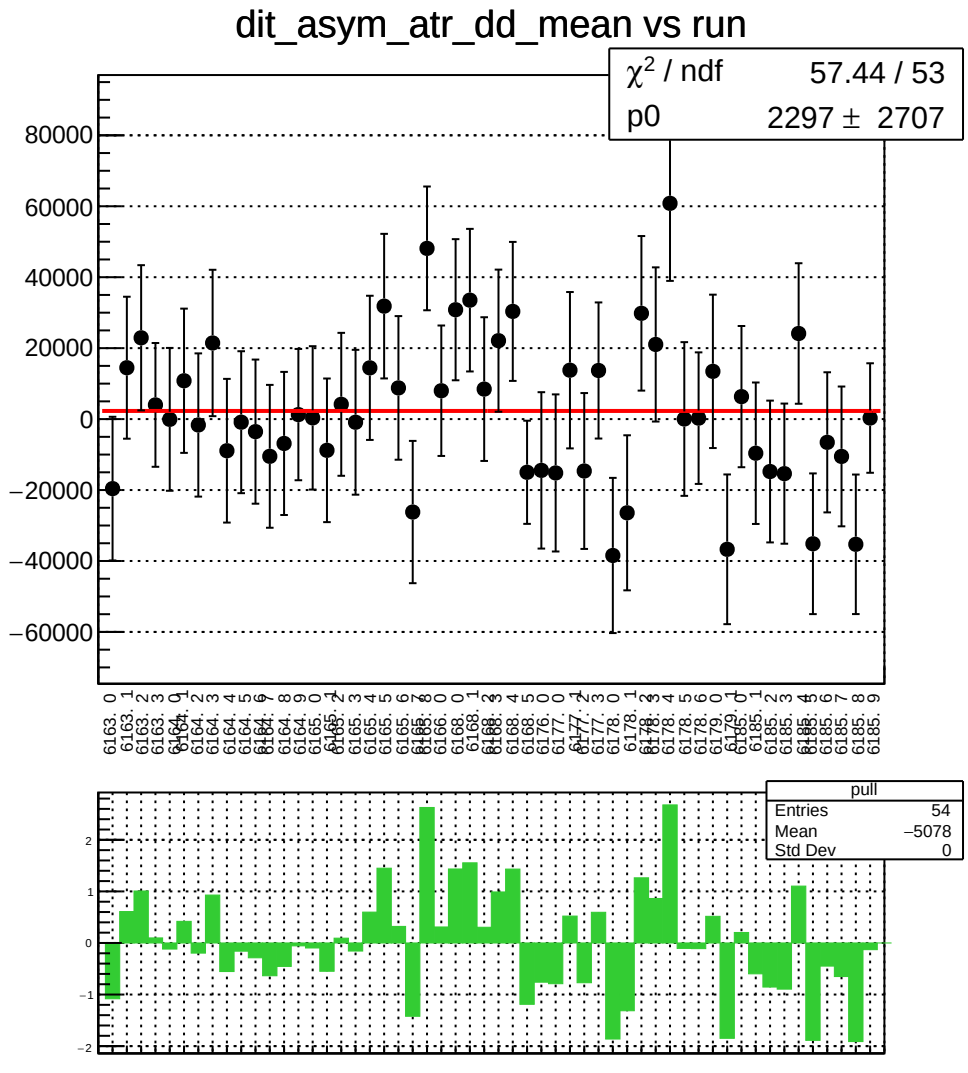

pull1D
Entries 54
Mean 0.001212
Std Dev 1.074

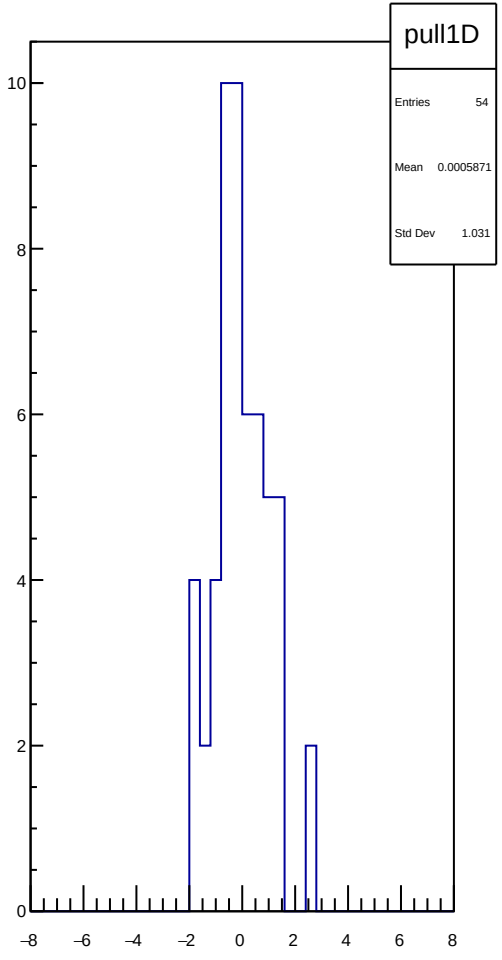

eigen_cor_asym_atr_dd_rms vs run
χ² / ndf 1396 / 53
p0 1929 ± 1.9
2100
2050
2000
1950
1900
1850
1800
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

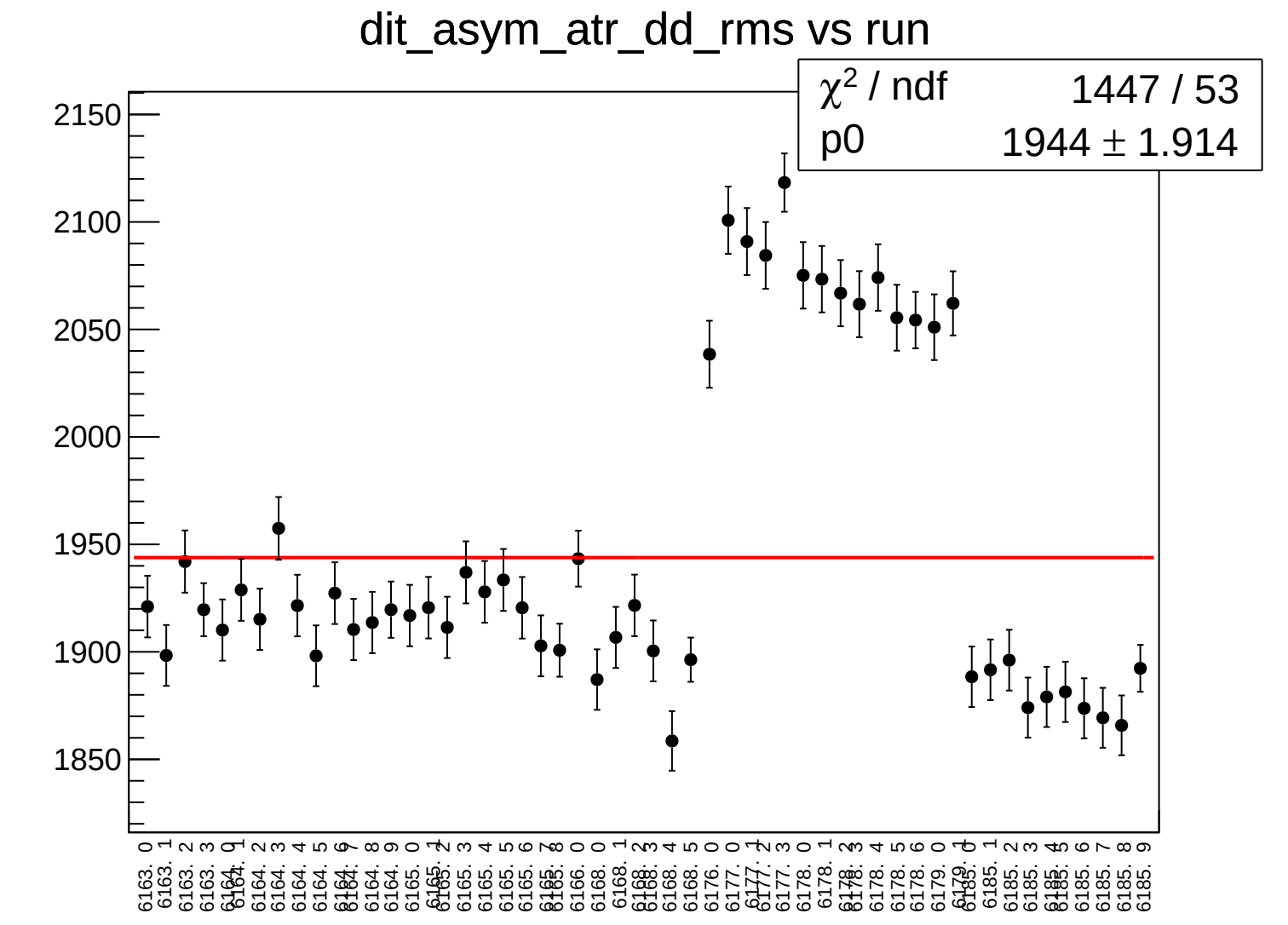

asym_atr_dd_eigen_cor_correction_mean vs run
χ² / ndf 55.47 / 53
p0 1.209e+04 ± 8111
pull
Entries 54
Mean 8.644
Std Dev 0

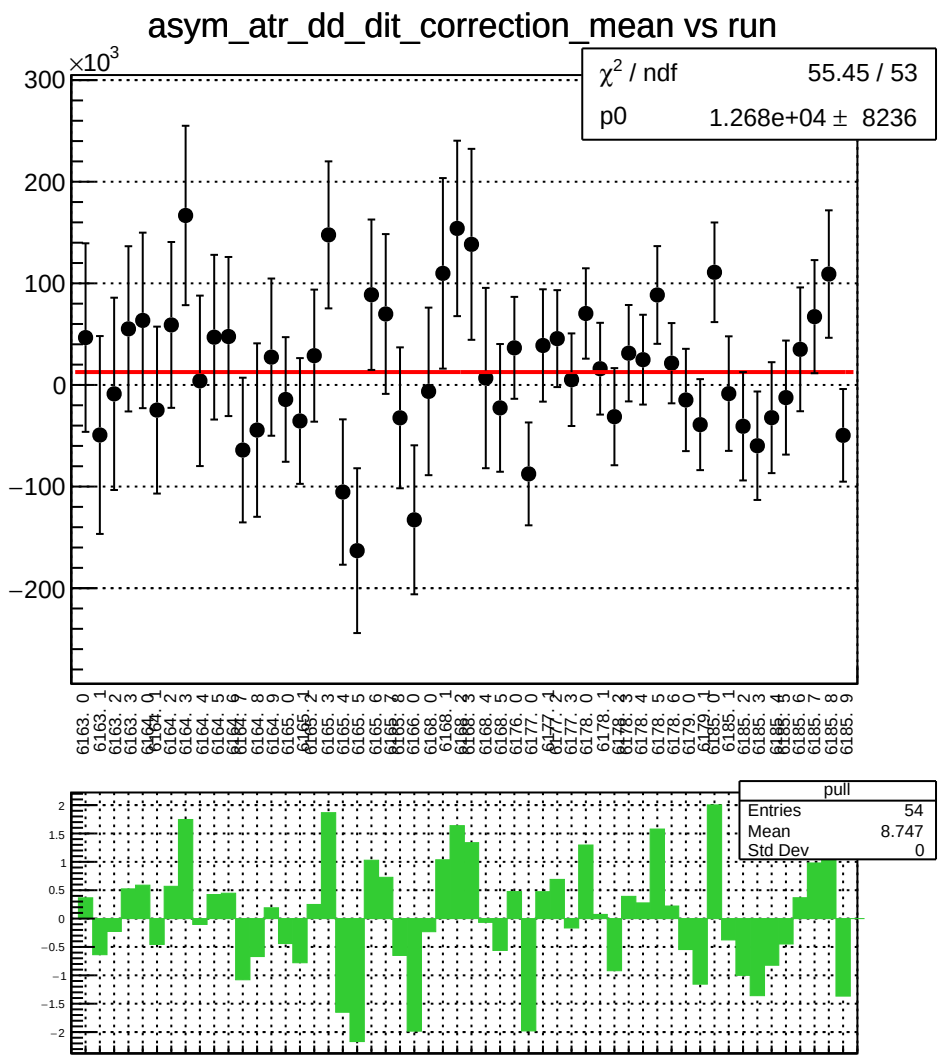

pull1D
Entries 54
Mean 0.02593
Std Dev 1.013

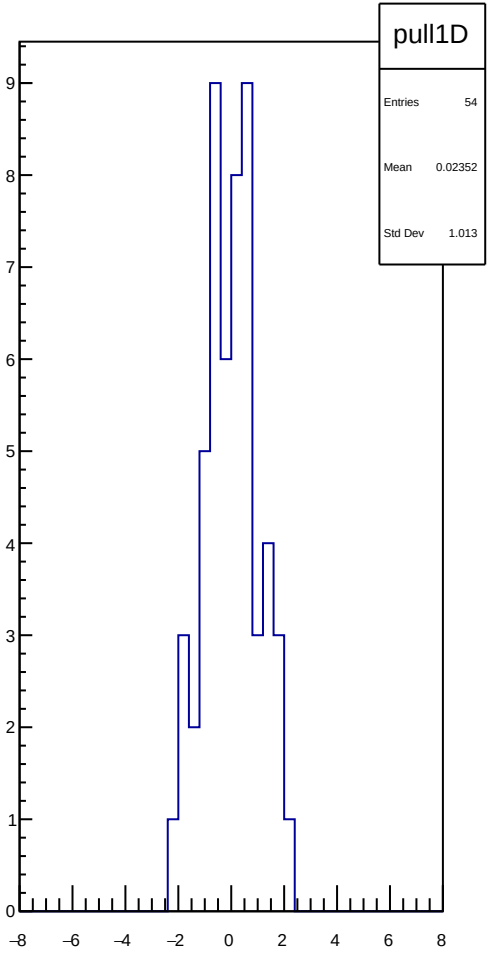

asym_atr_dd_eigen_cor_correction_rms vs run
χ² / ndf 6.973e+04 / 53
p0 5629 ± 5.736
9000
8000
7000
6000
5000
4000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

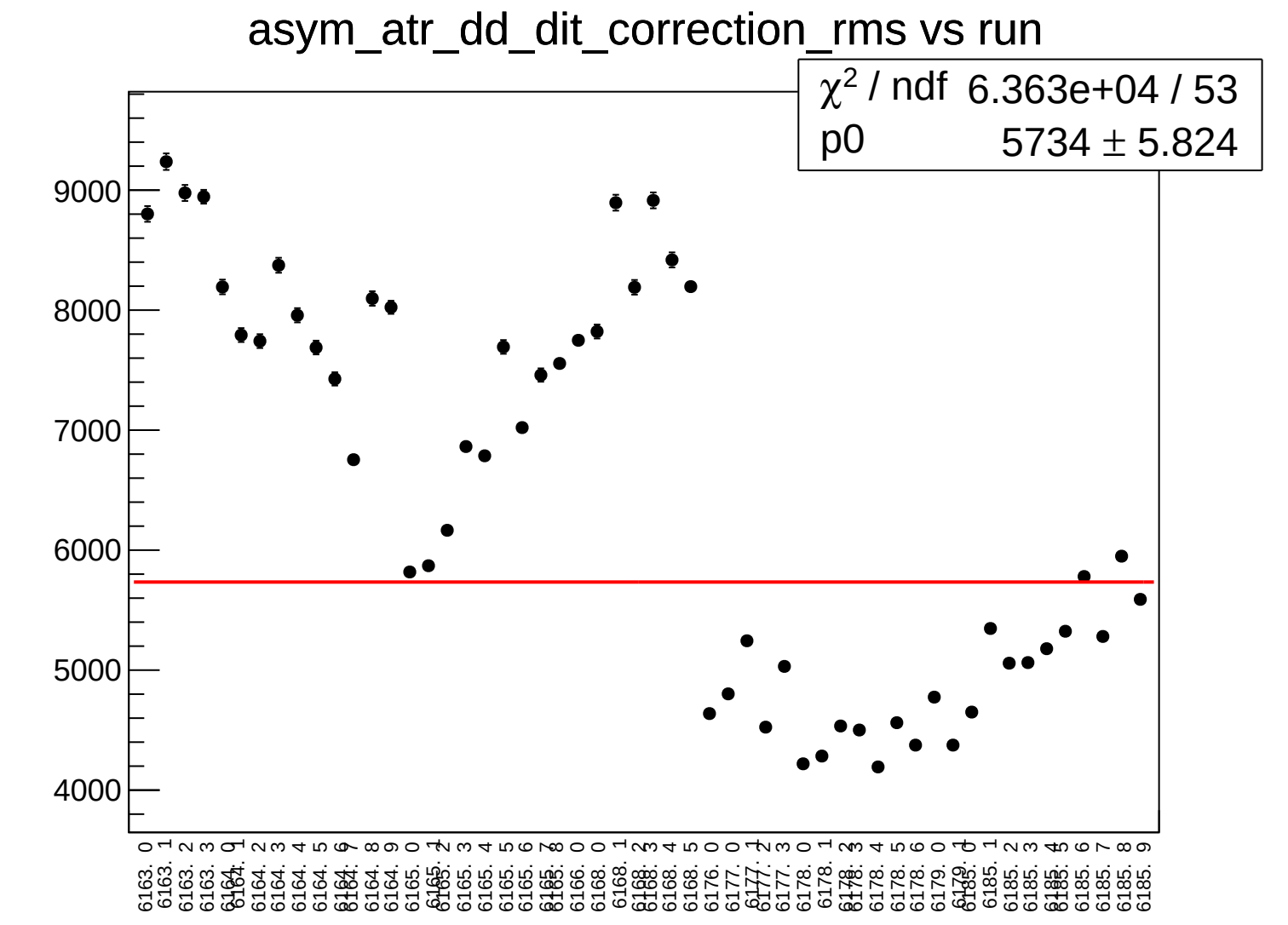

dit_asym_atr_dd_mean vs run
χ² / ndf 57.44 / 53
p0 2297 ± 2707
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean −5078
Std Dev 0
2
1
0
−1
−2

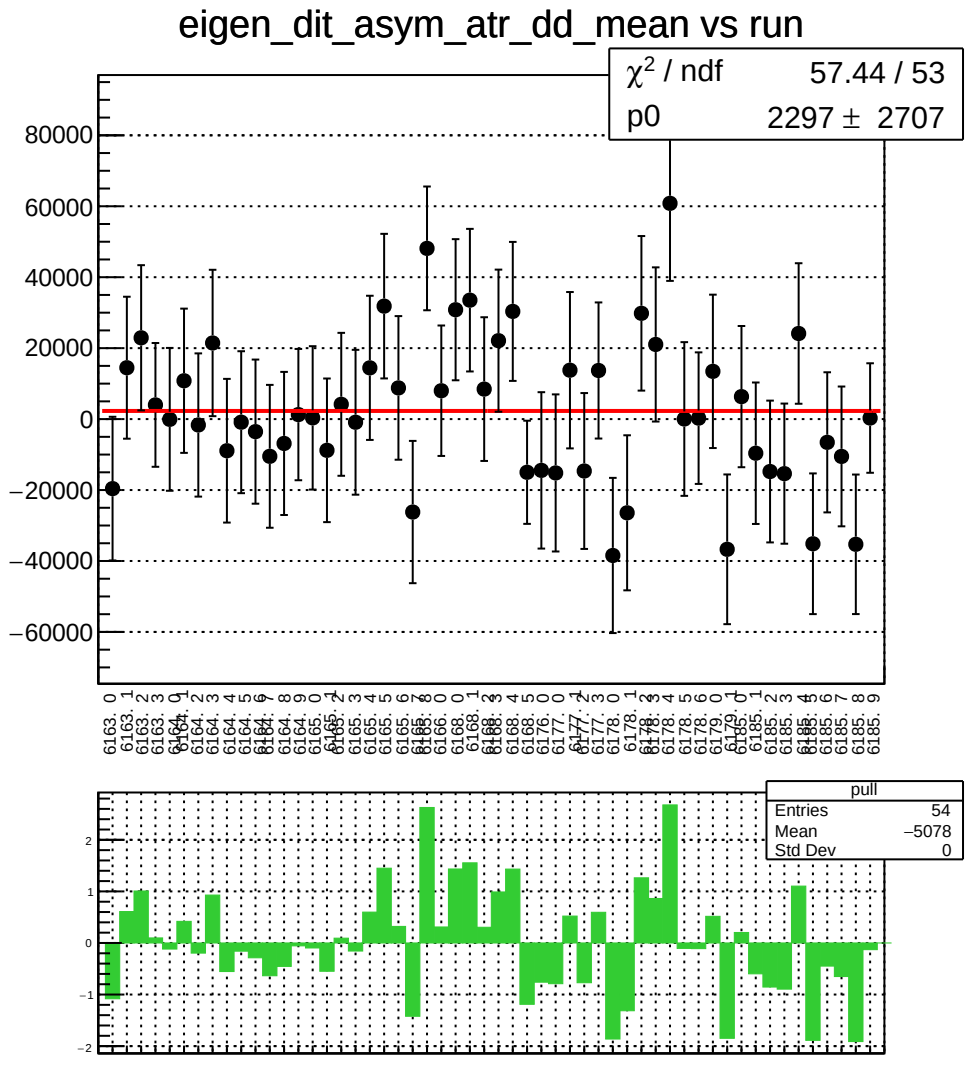

pull1D
Entries 54
Mean 0.0005871
Std Dev 1.031
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

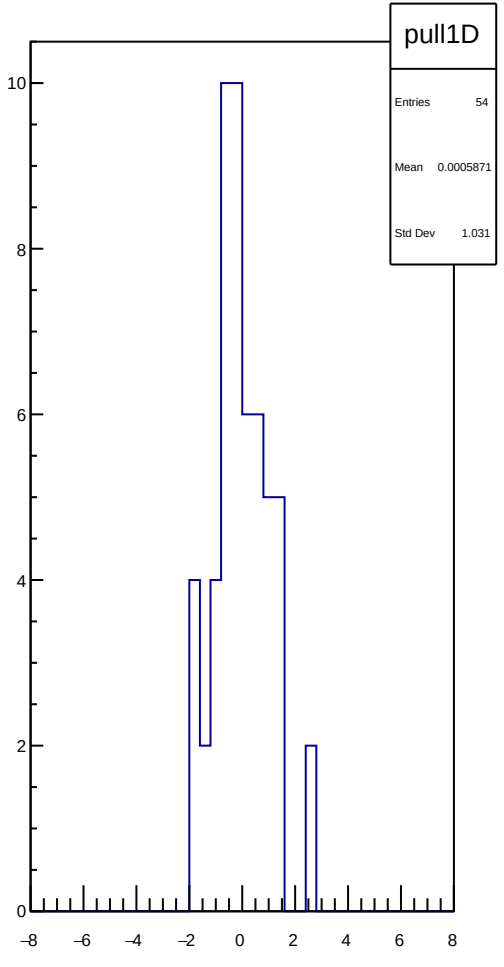

dit_asym_atr_dd_rms vs run
χ² / ndf 1447 / 53
p0 1944 ± 1.914
2150
2100
2050
2000
1950
1900
1850
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

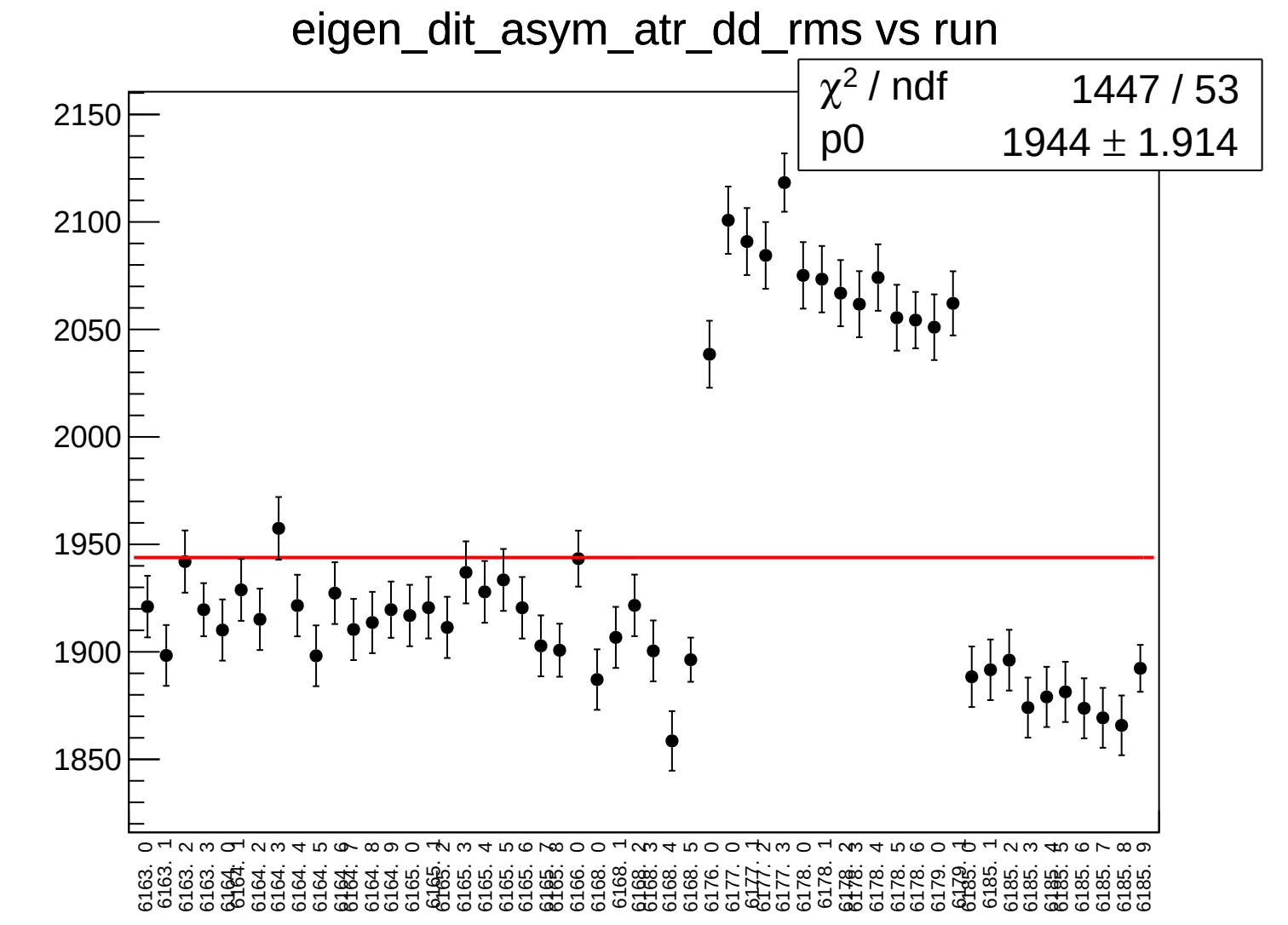

asym_atr_dd_dit_correction_mean vs run
×10^3
χ² / ndf 55.45 / 53
p0 1.268e+04 ± 8236
pull
Entries 54
Mean 8.747
Std Dev 0

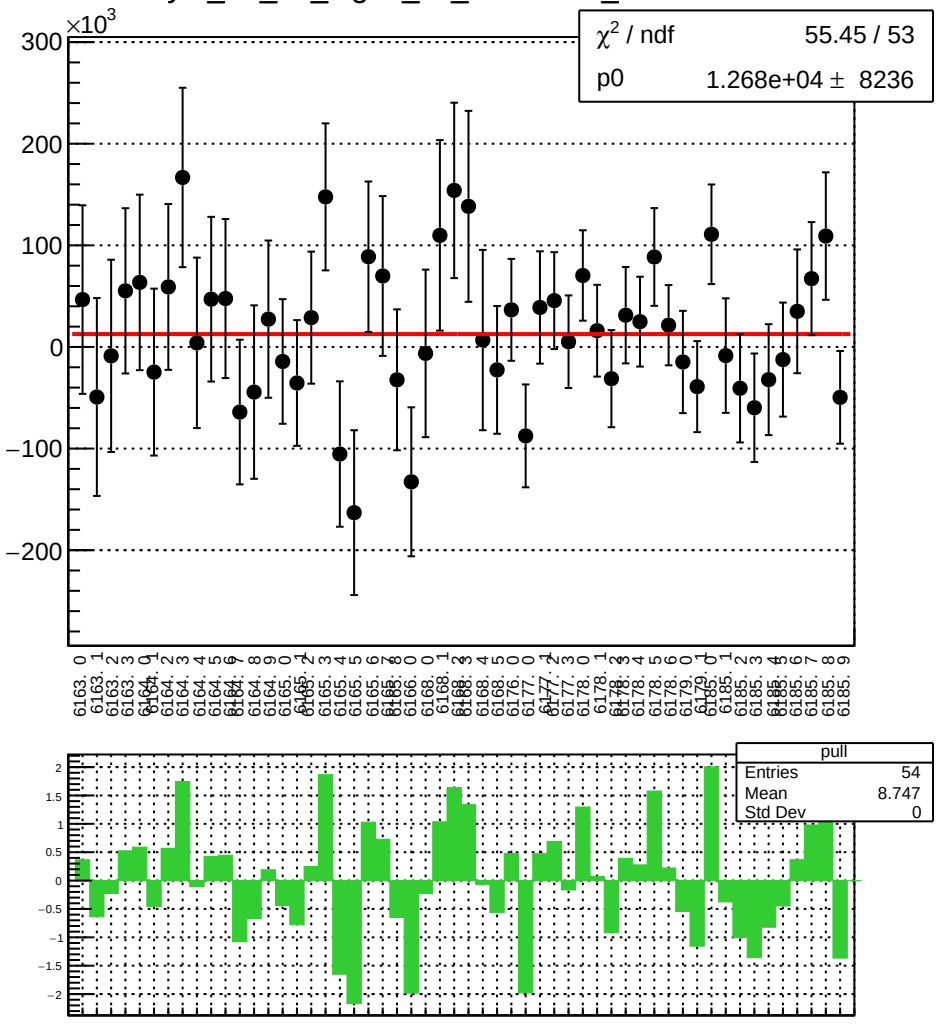

pull1D
Entries 54
Mean 0.02352
Std Dev 1.013

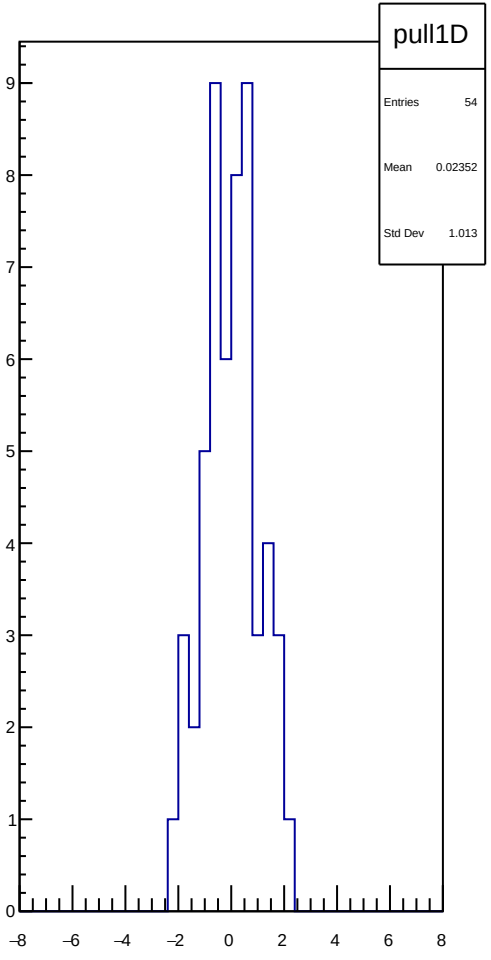

asym_atr_dd_dit_correction_rms vs run
χ² / ndf 6.363e+04 / 53
p0 5734 ± 5.824
9000
8000
7000
6000
5000
4000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

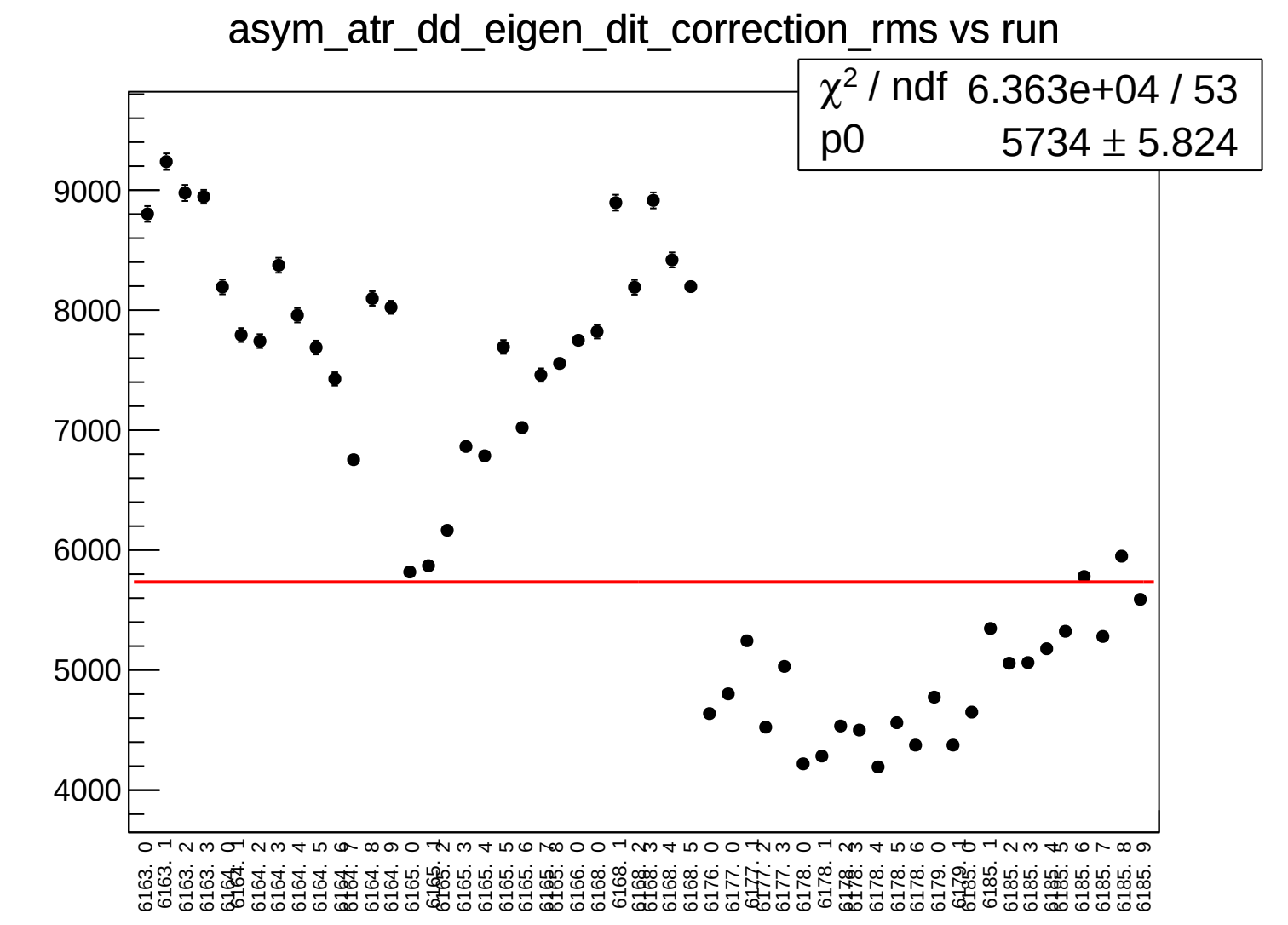

eigen_dit_asym_atr_dd_mean vs run
χ² / ndf 57.44 / 53
p0 2297 ± 2707
pull
Entries 54
Mean −5078
Std Dev 0

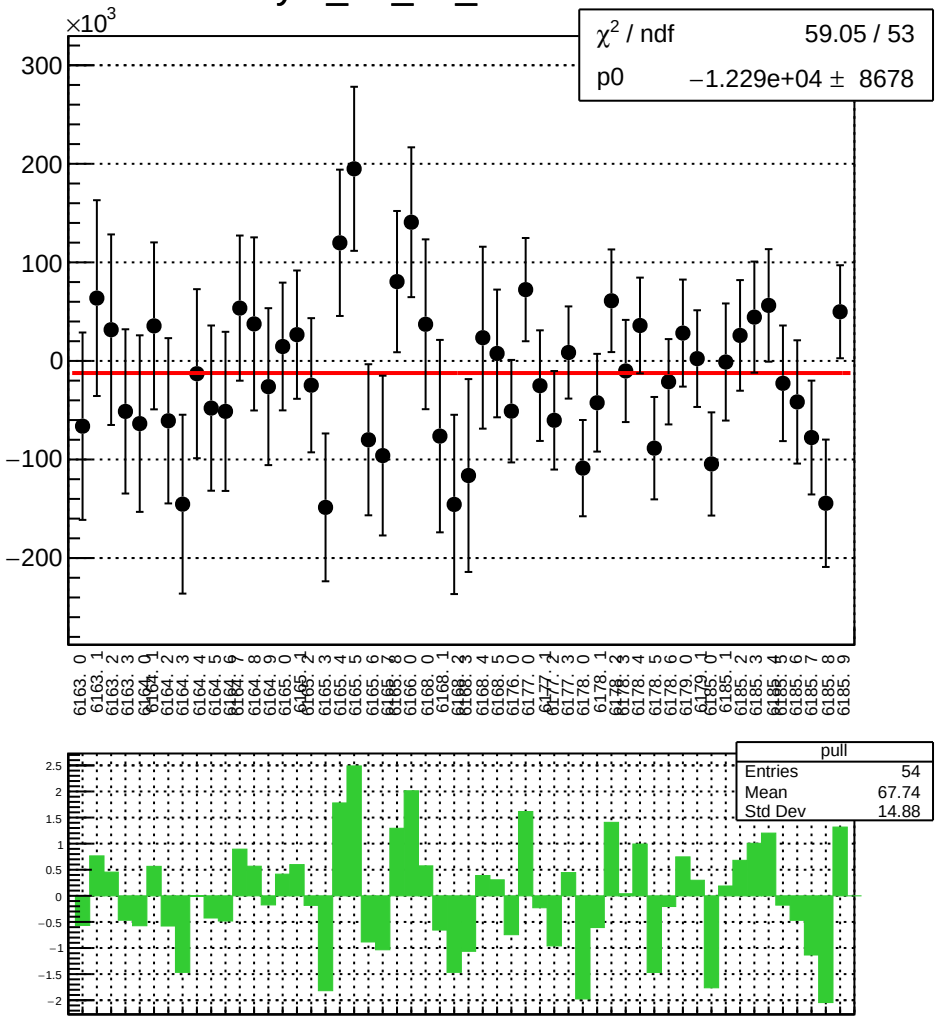

pull1D
Entries 54
Mean 0.0005871
Std Dev 1.031

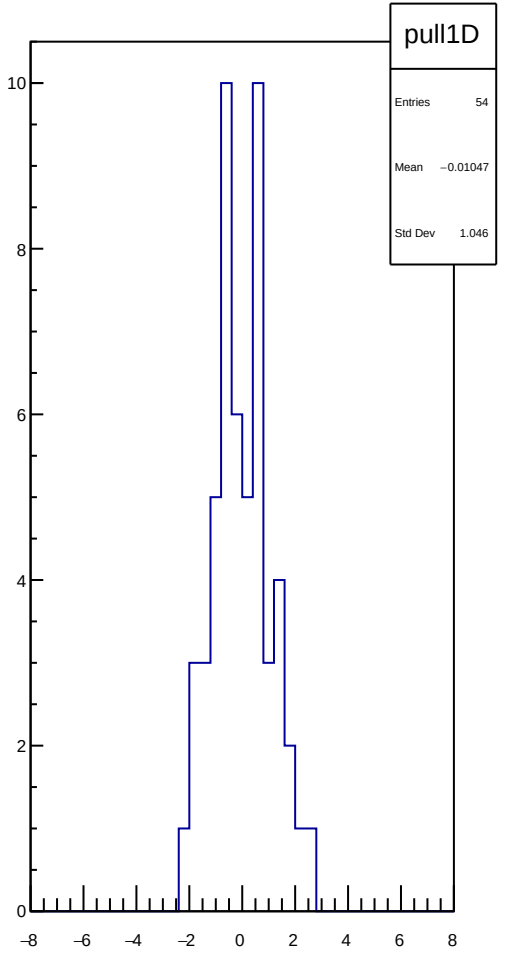

eigen_dit_asym_atr_dd_rms vs run
χ² / ndf 1447 / 53
p0 1944 ± 1.914
2150
2100
2050
2000
1950
1900
1850
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

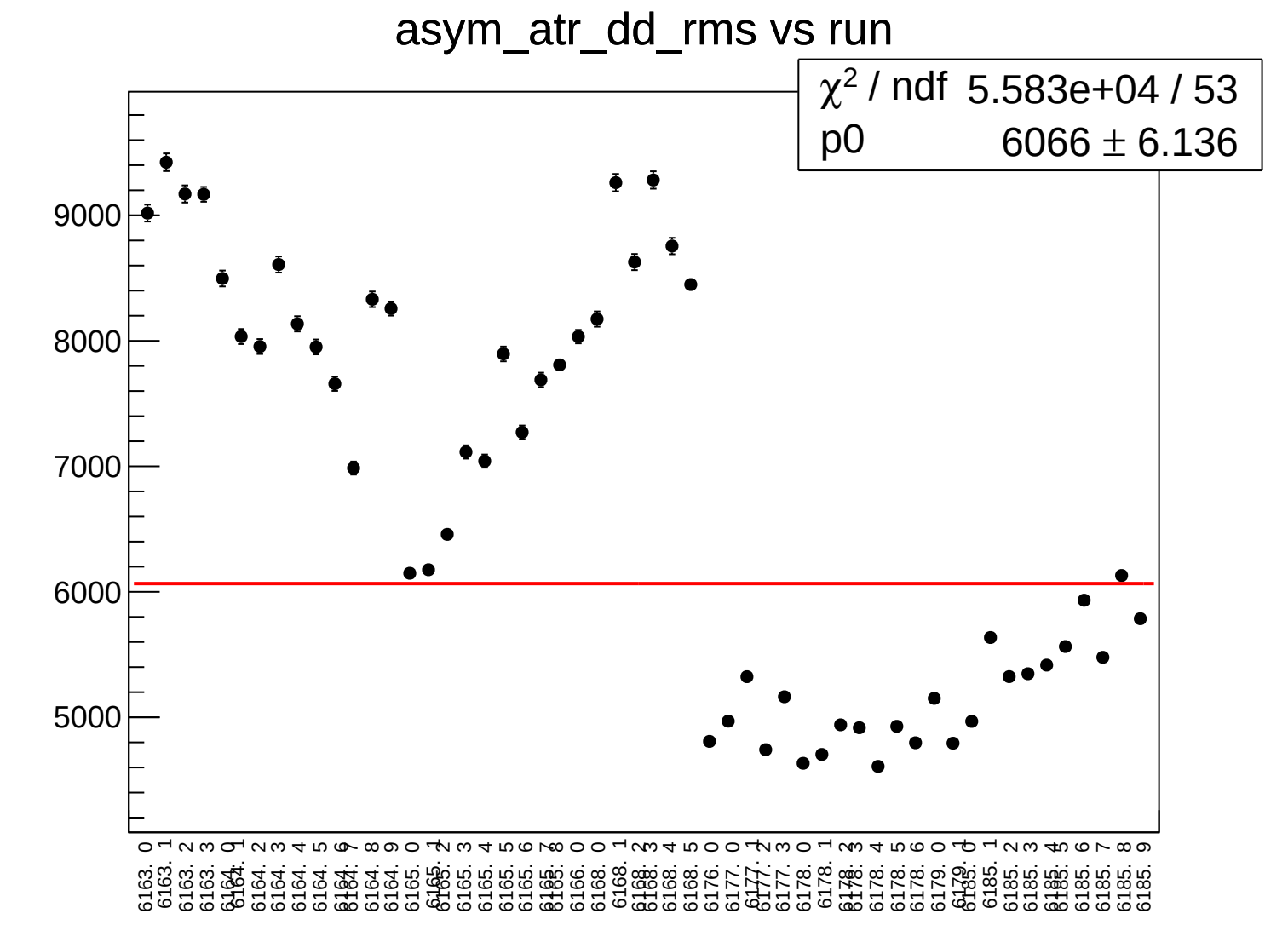

asym_atr_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 55.45 / 53
p0 1.268e+04 ± 8236
pull
Entries 54
Mean 8.747
Std Dev 0

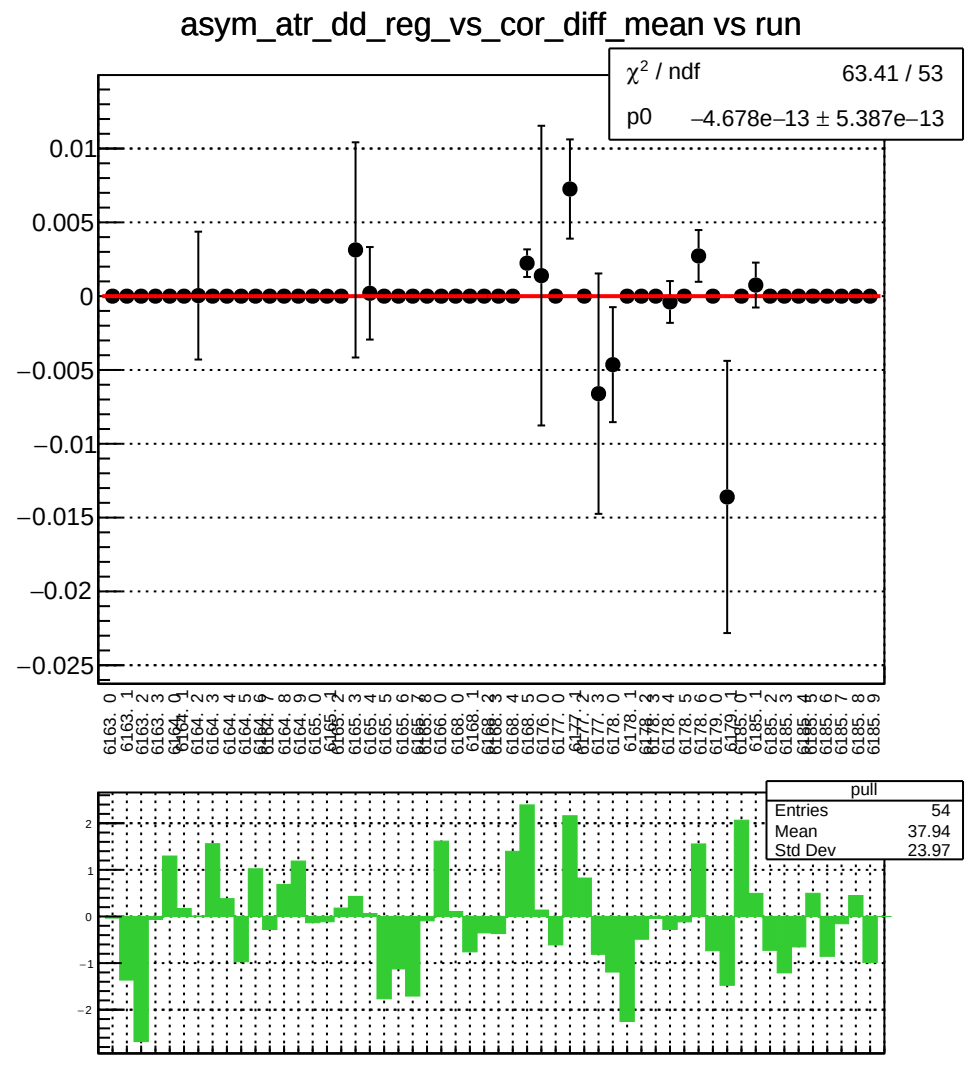

pull1D
Entries 54
Mean 0.02352
Std Dev 1.013

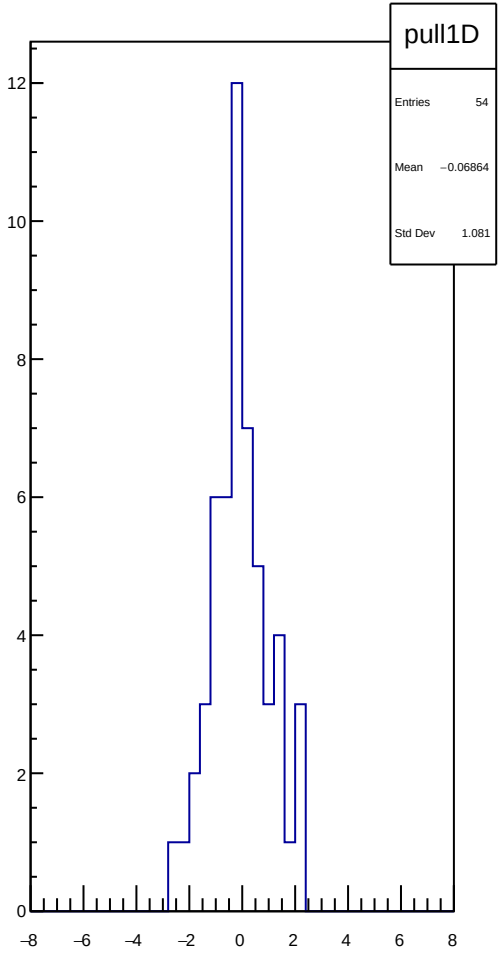

asym_atr_dd_eigen_dit_correction_rms vs run
χ² / ndf 6.363e+04 / 53
p0 5734 ± 5.824
9000
8000
7000
6000
5000
4000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

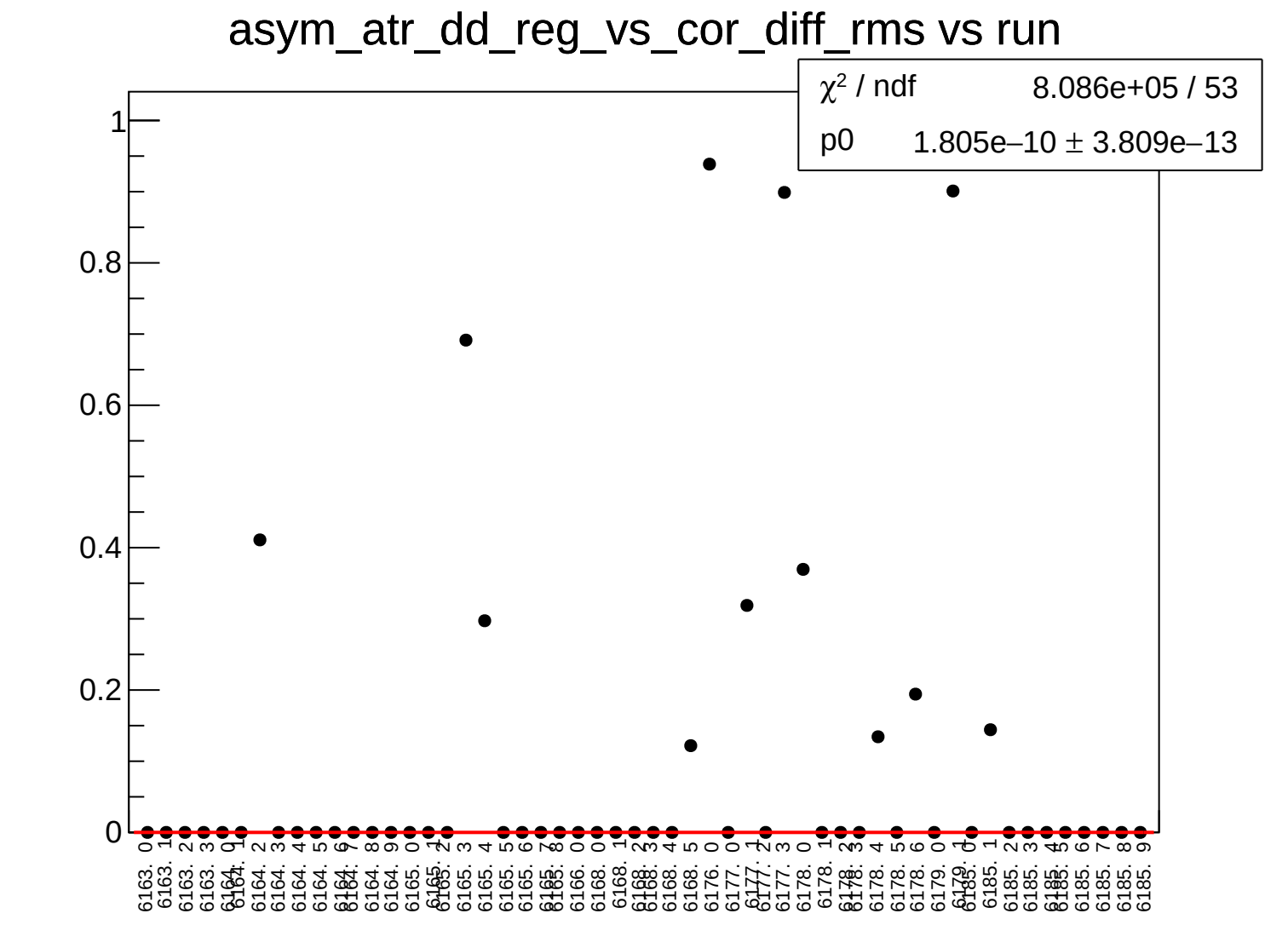

asym_atr_dd_mean vs run
×10^3
χ² / ndf 59.05 / 53
p0 −1.229e+04 ± 8678
300
200
100
0
−100
−200
pull
Entries 54
Mean 67.74
Std Dev 14.88
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

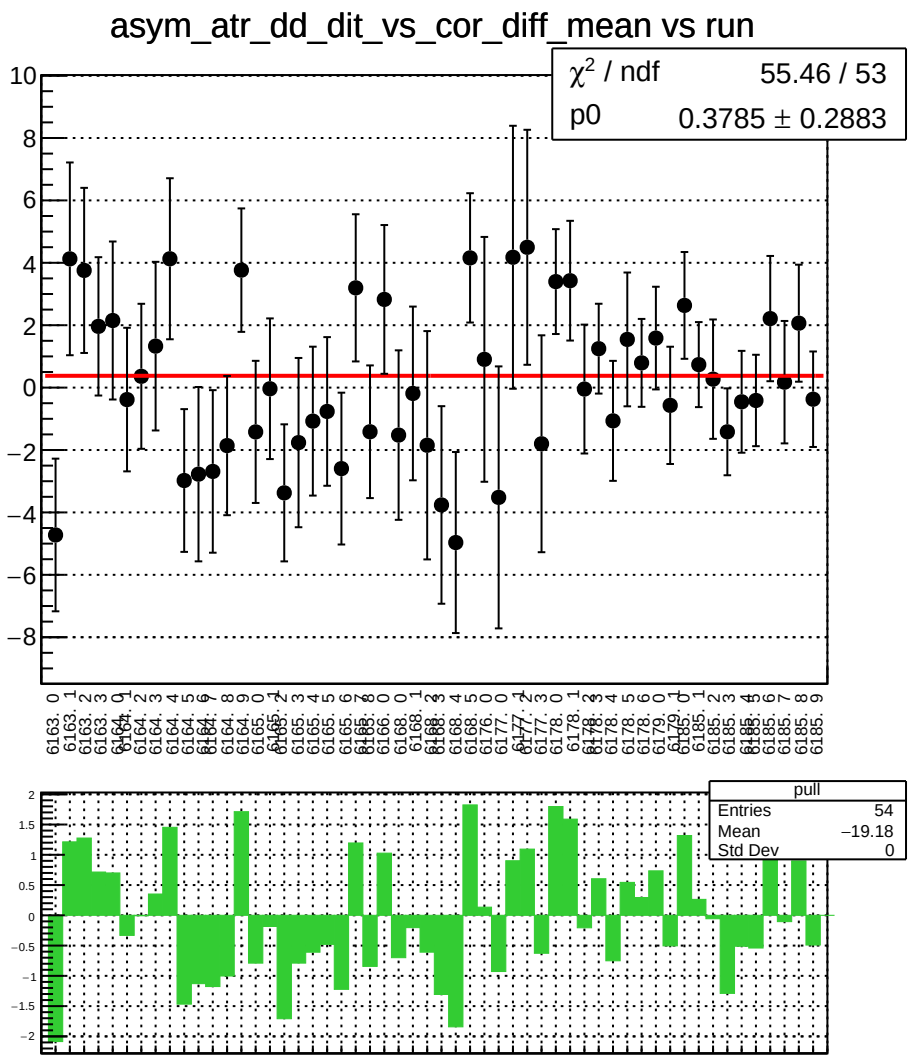

pull1D
Entries 54
Mean −0.01047
Std Dev 1.046
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

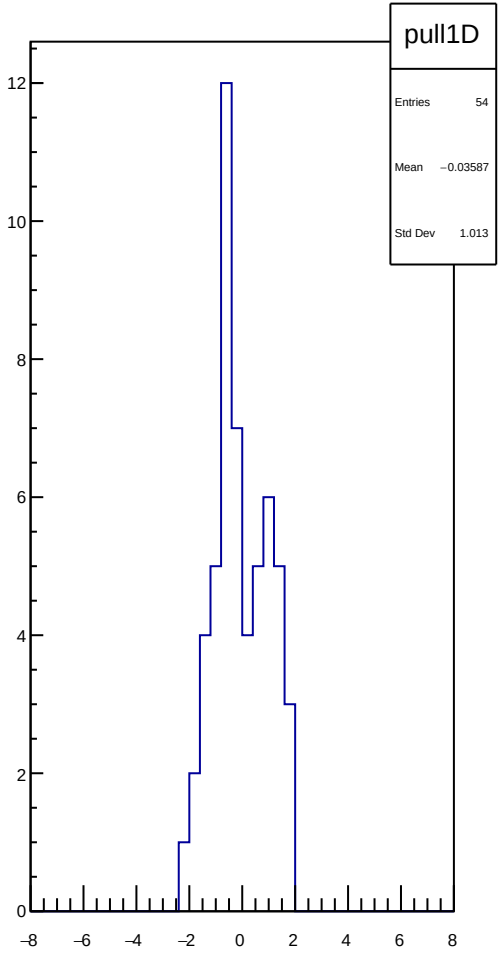

asym_atr_dd_rms vs run
χ^2 / ndf 5.583e+04 / 53
p0 6066 ± 6.136
9000
8000
7000
6000
5000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

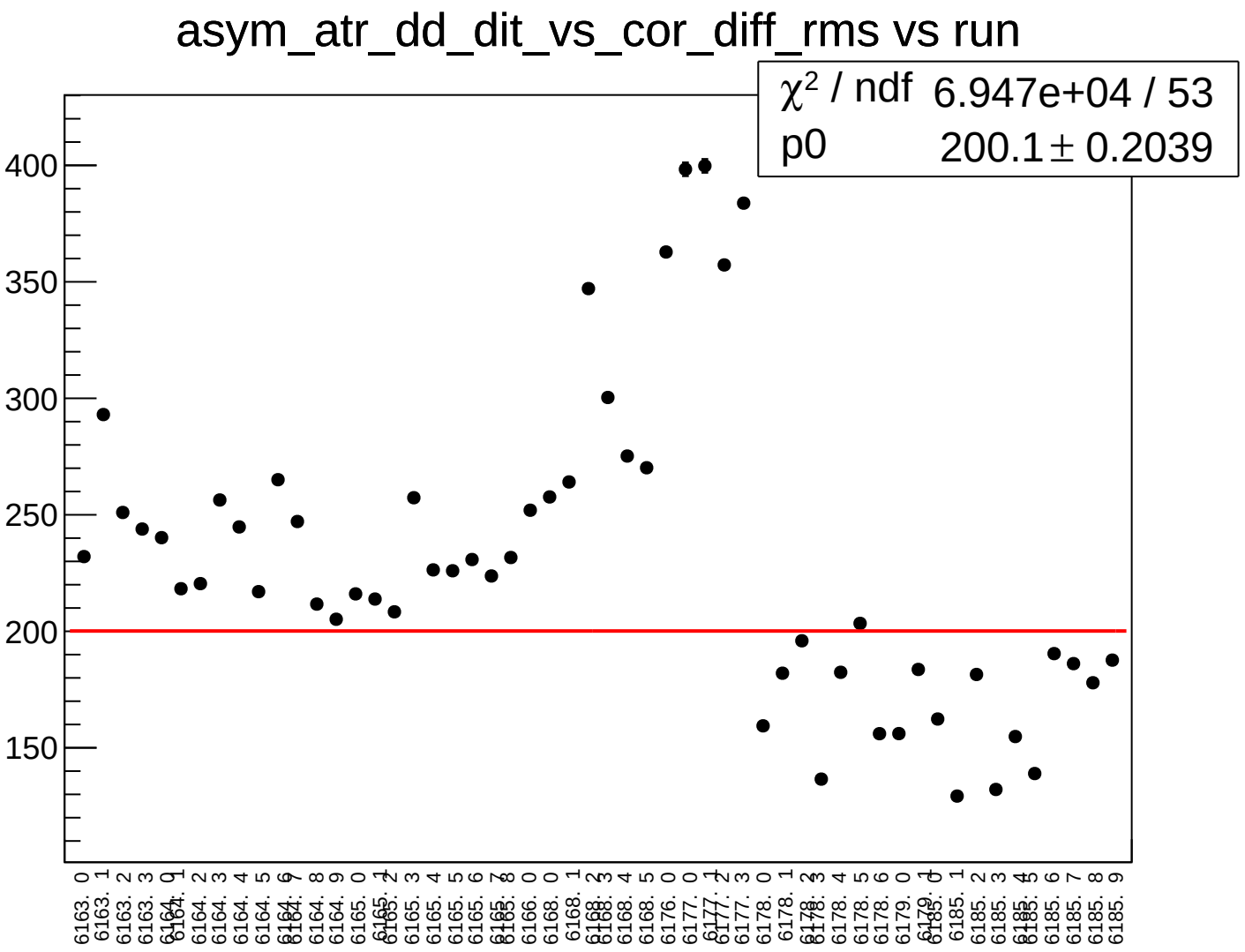

asym_atr_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 63.41 / 53
p0 −4.678e−13 ± 5.387e−13
pull
Entries 54
Mean 37.94
Std Dev 23.97

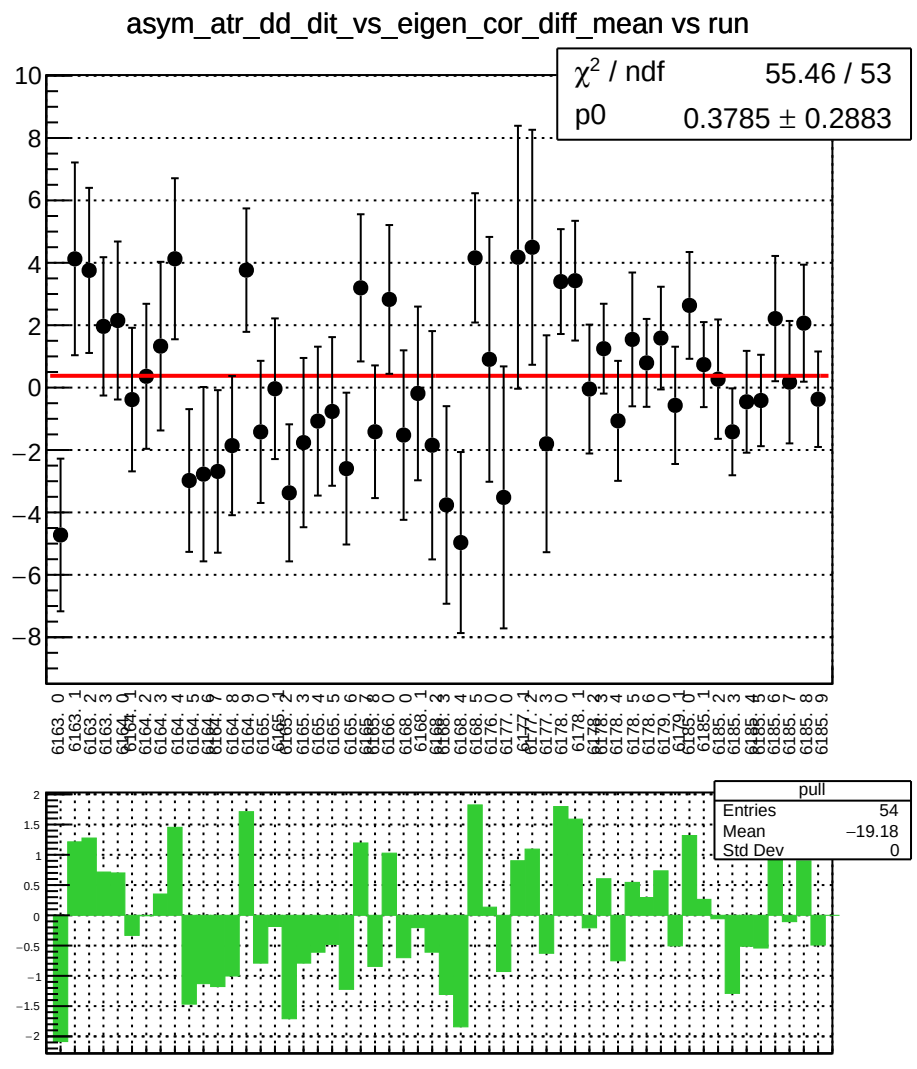

pull1D
Entries 54
Mean −0.06864
Std Dev 1.081

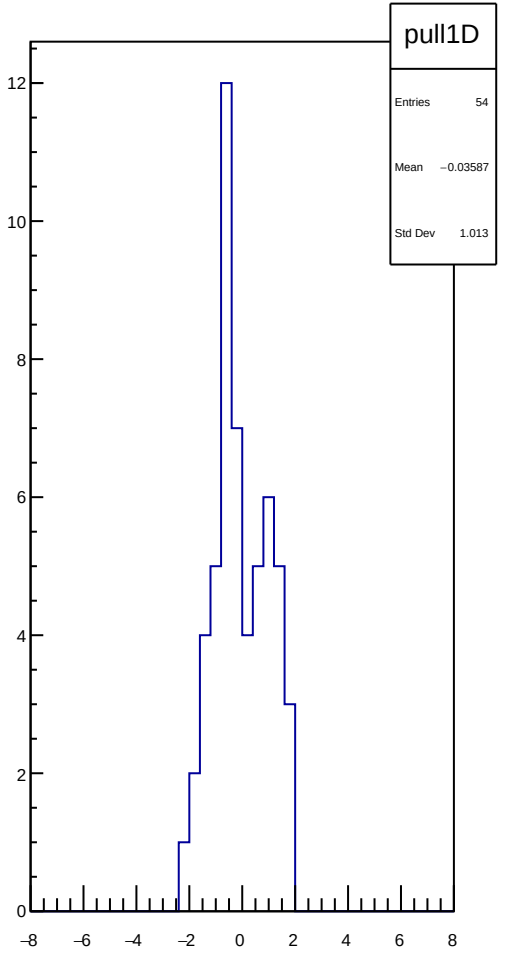

asym_atr_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 8.086e+05 / 53
p0 1.805e−10 ± 3.809e−13
1
0.8
0.6
0.4
0.2
0
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

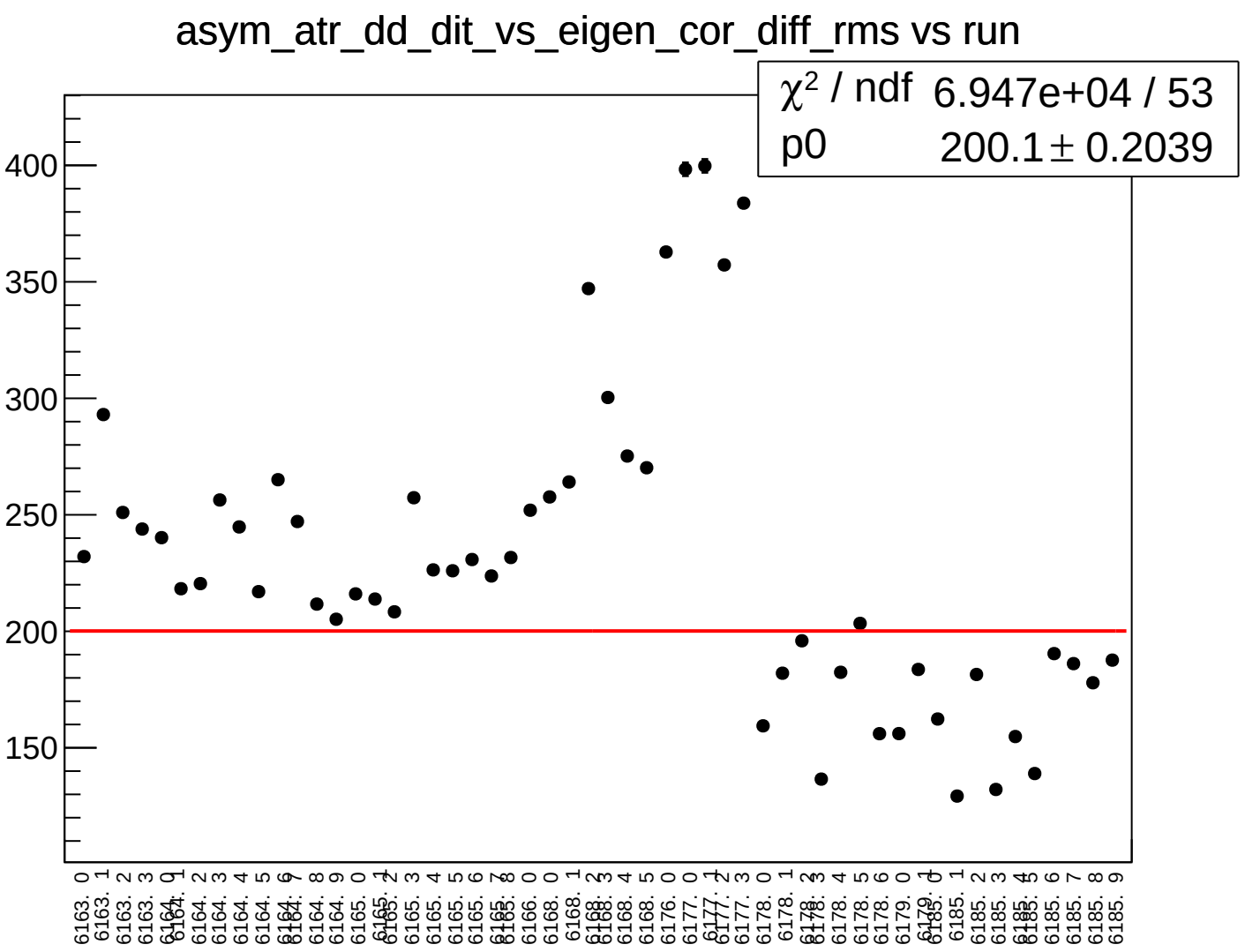

asym_atr_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 55.46 / 53
p0 0.3785 ± 0.2883
pull
Entries 54
Mean −19.18
Std Dev 0

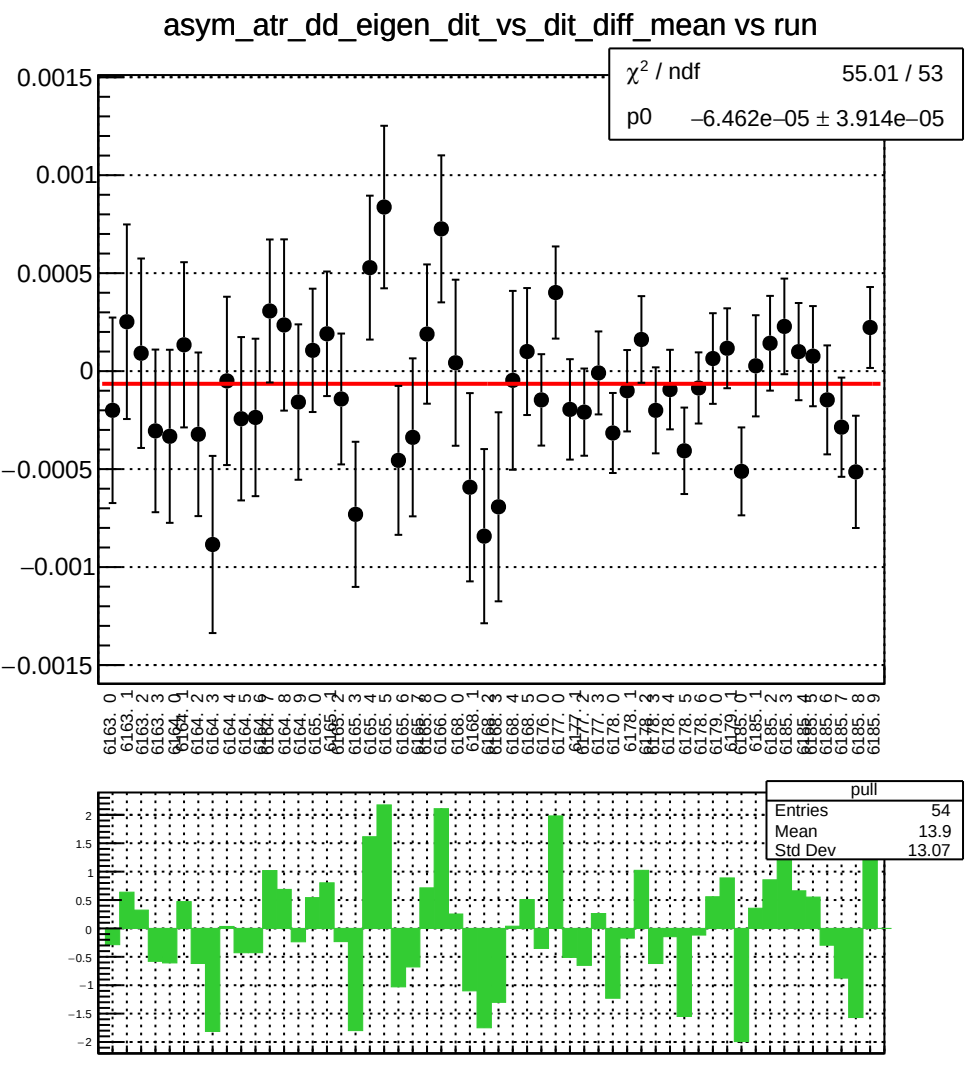

pull1D
Entries 54
Mean −0.03587
Std Dev 1.013

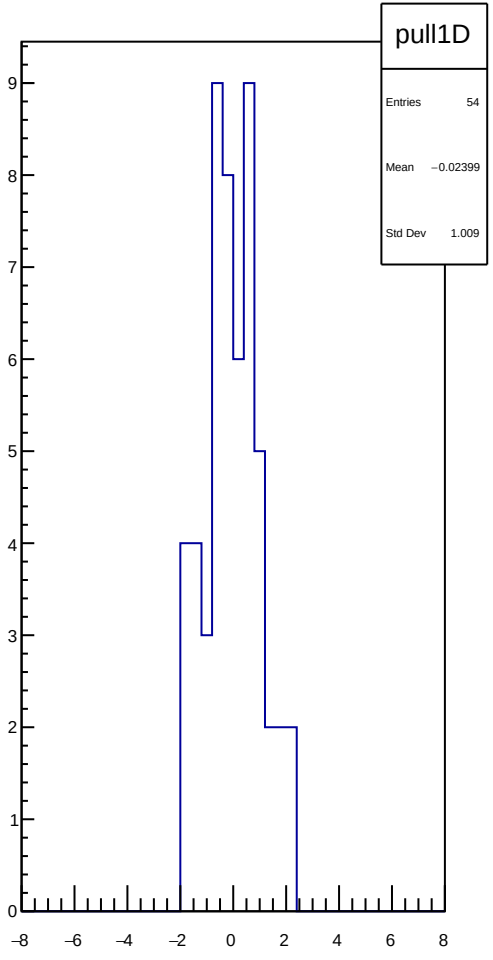

asym_atr_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 6.947e+04 / 53
p0 200.1 ± 0.2039
400
350
300
250
200
150
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

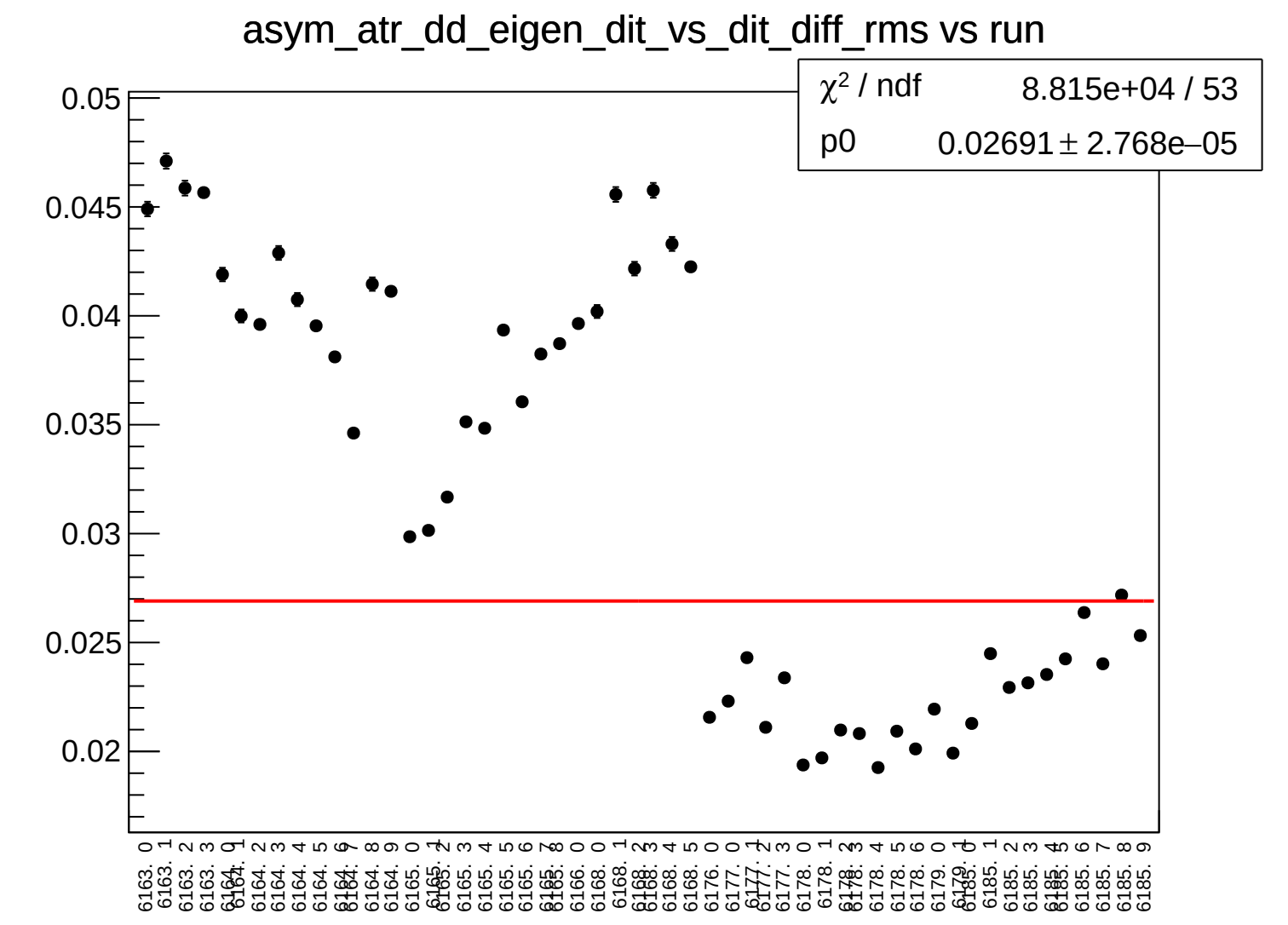

asym_atr_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 55.46 / 53
p0 0.3785 ± 0.2883
pull
Entries 54
Mean −19.18
Std Dev 0

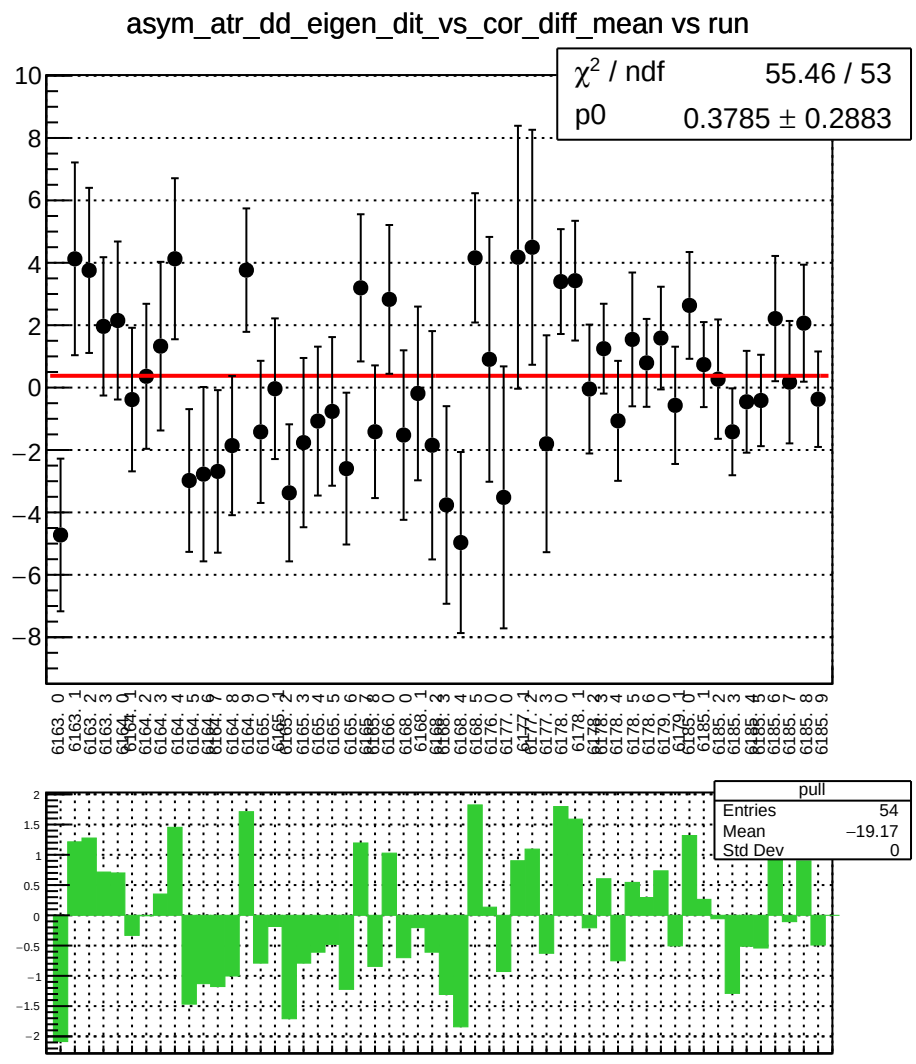

pull1D
Entries 54
Mean −0.03587
Std Dev 1.013

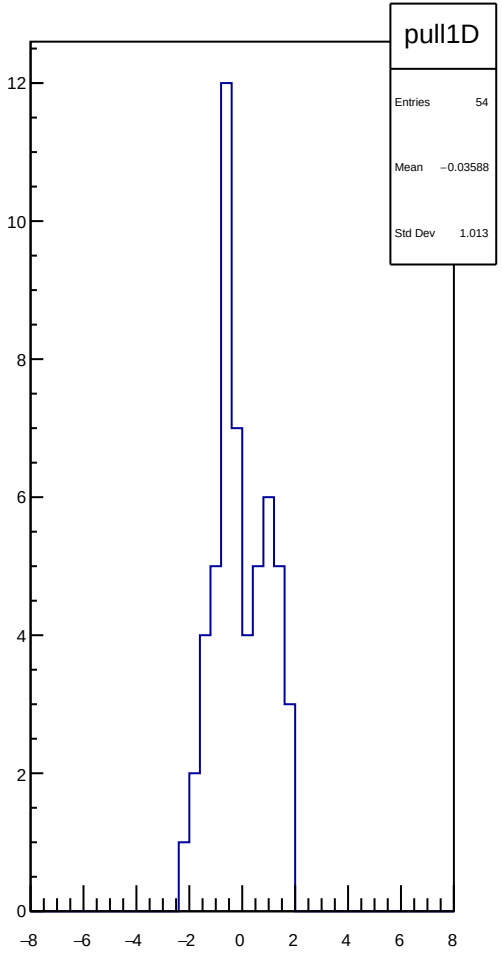

asym_atr_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.947e+04 / 53
p0 200.1 ± 0.2039
400
350
300
250
200
150
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

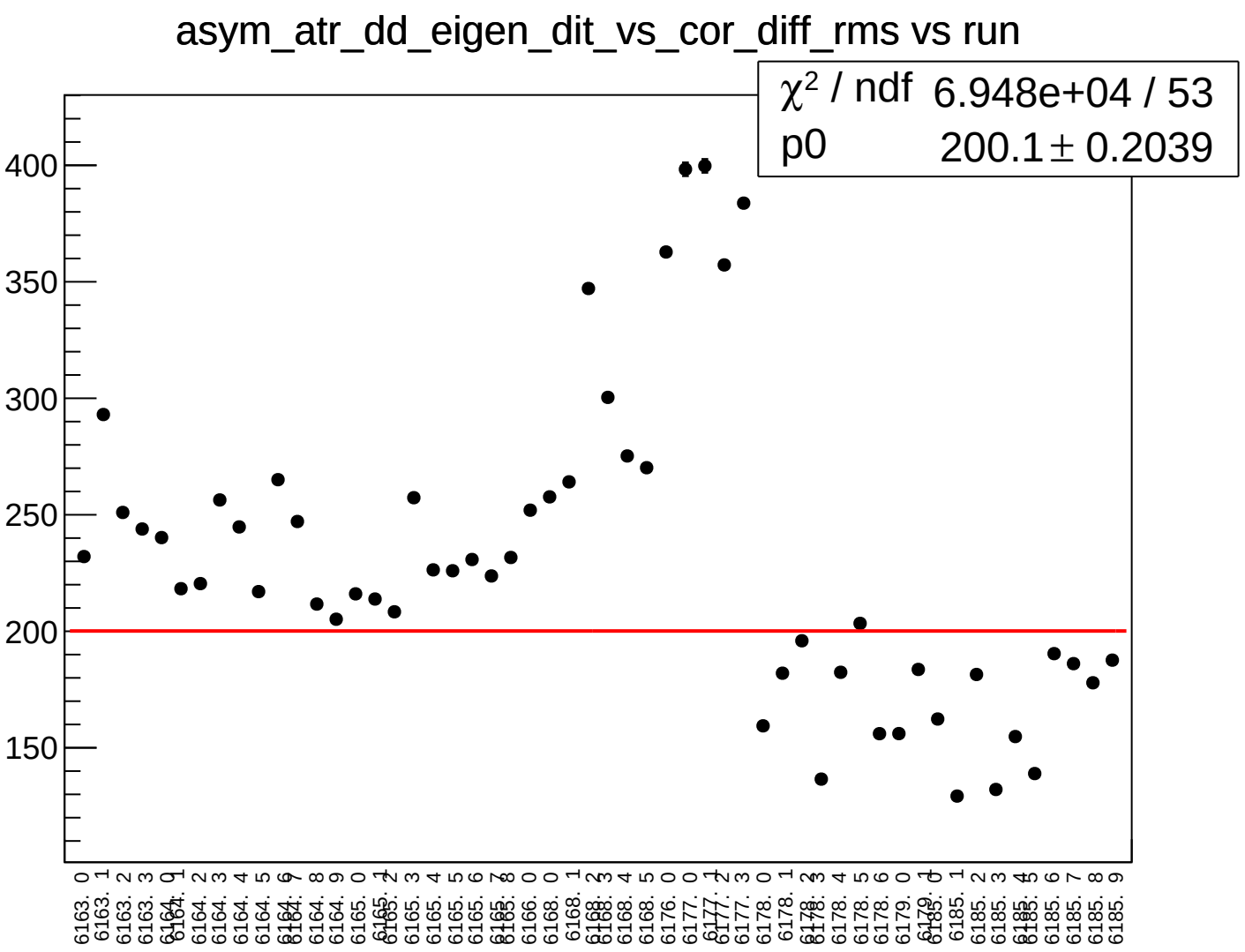

asym_atr_dd_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 55.01 / 53
p0 −6.462e−05 ± 3.914e−05
pull
Entries 54
Mean 13.9
Std Dev 13.07

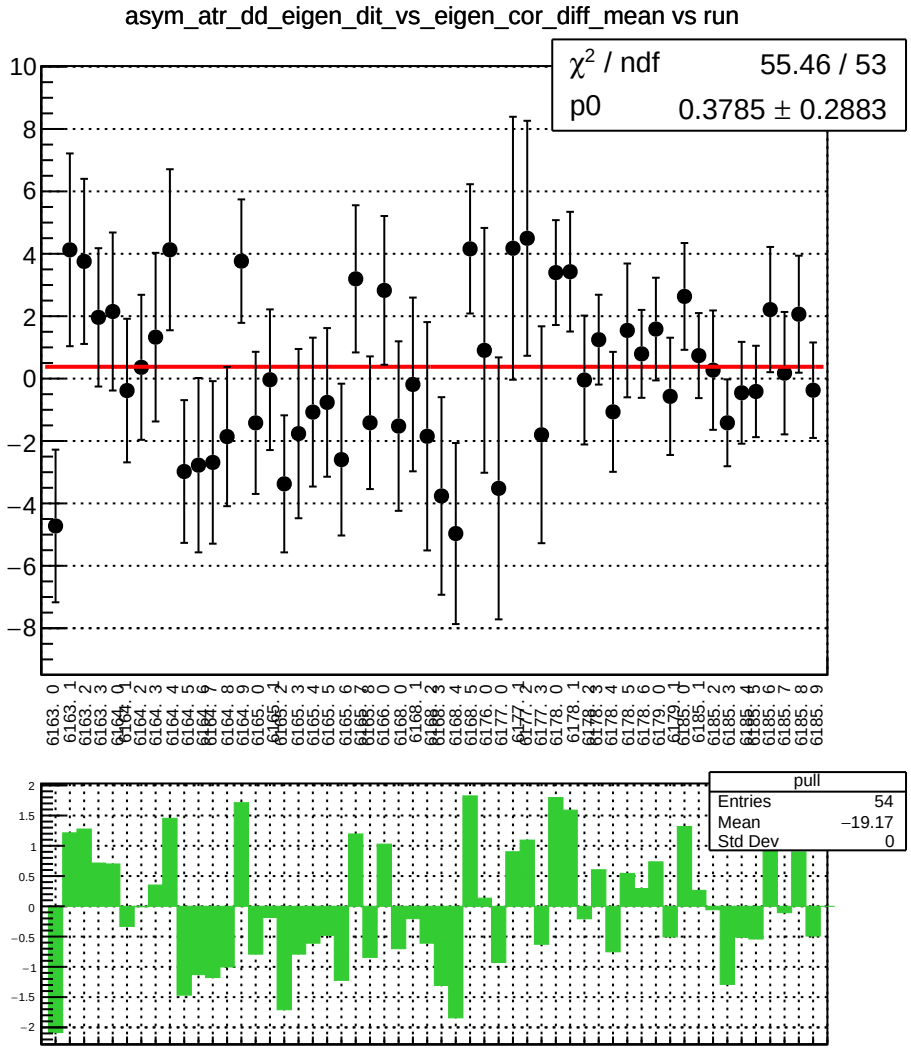

pull1D
Entries 54
Mean −0.02399
Std Dev 1.009

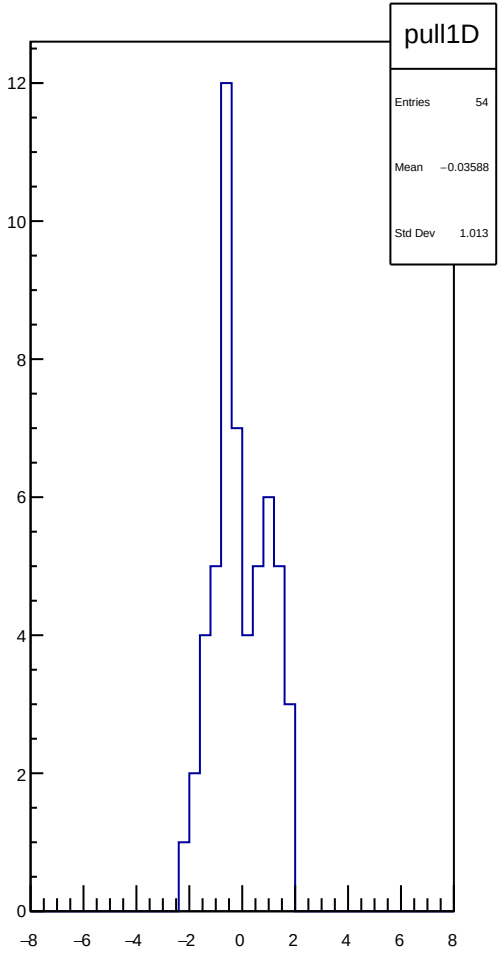

asym_atr_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 8.815e+04 / 53
p0 0.02691 ± 2.768e–05
0.05
0.045
0.04
0.035
0.03
0.025
0.02
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

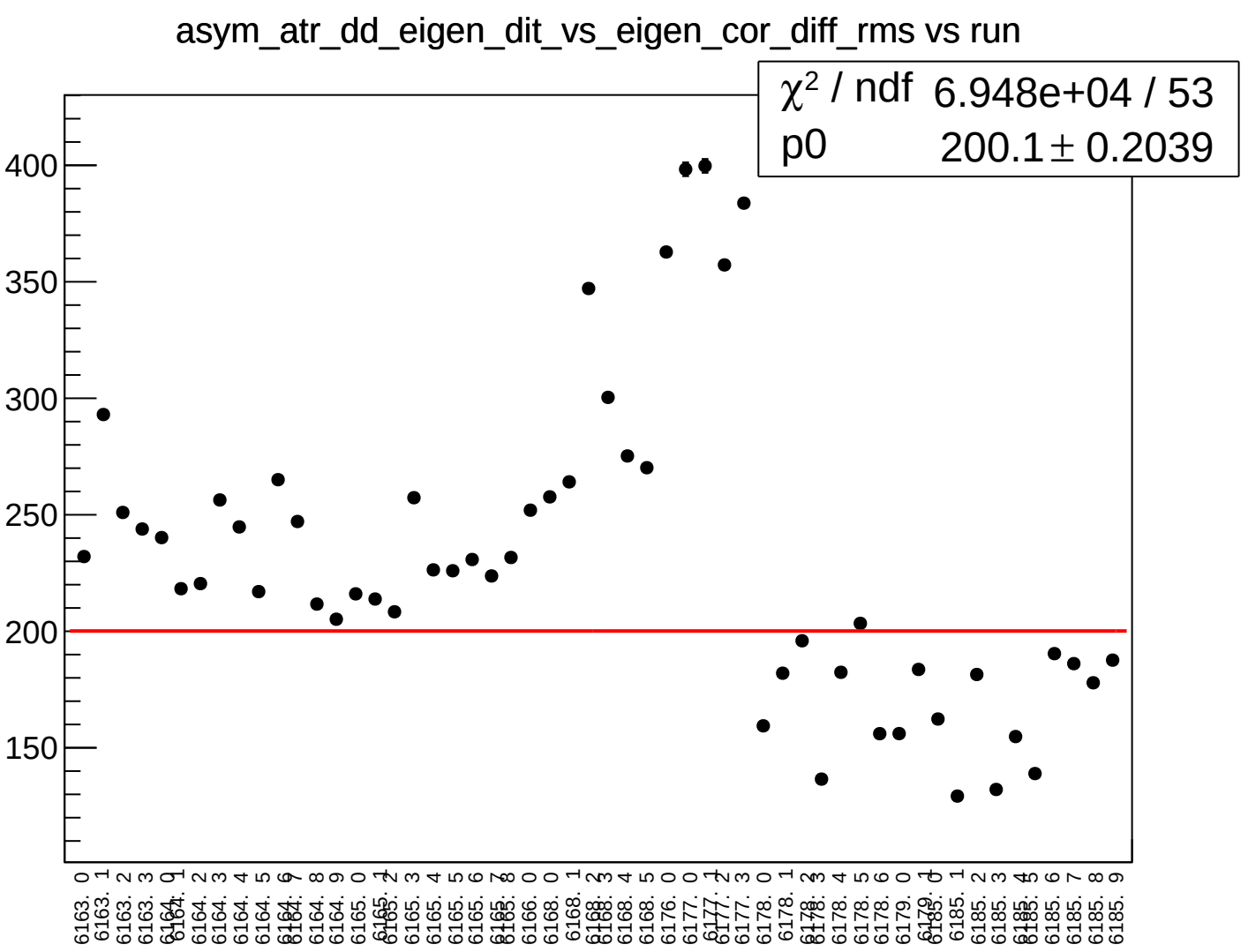

asym_atr_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 55.46 / 53
p0 0.3785 ± 0.2883
pull
Entries 54
Mean −19.17
Std Dev 0

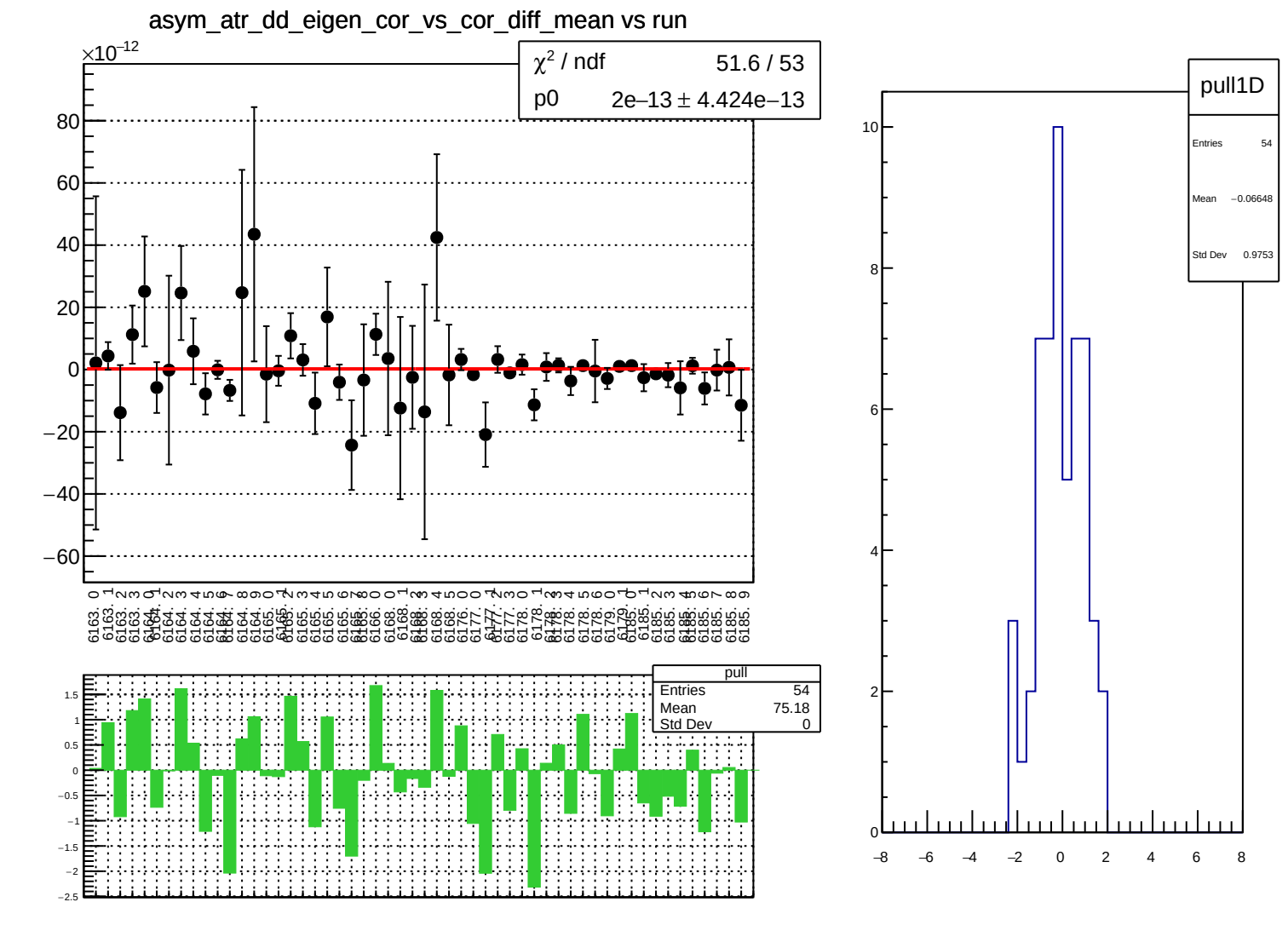

pull1D
Entries 54
Mean −0.03588
Std Dev 1.013

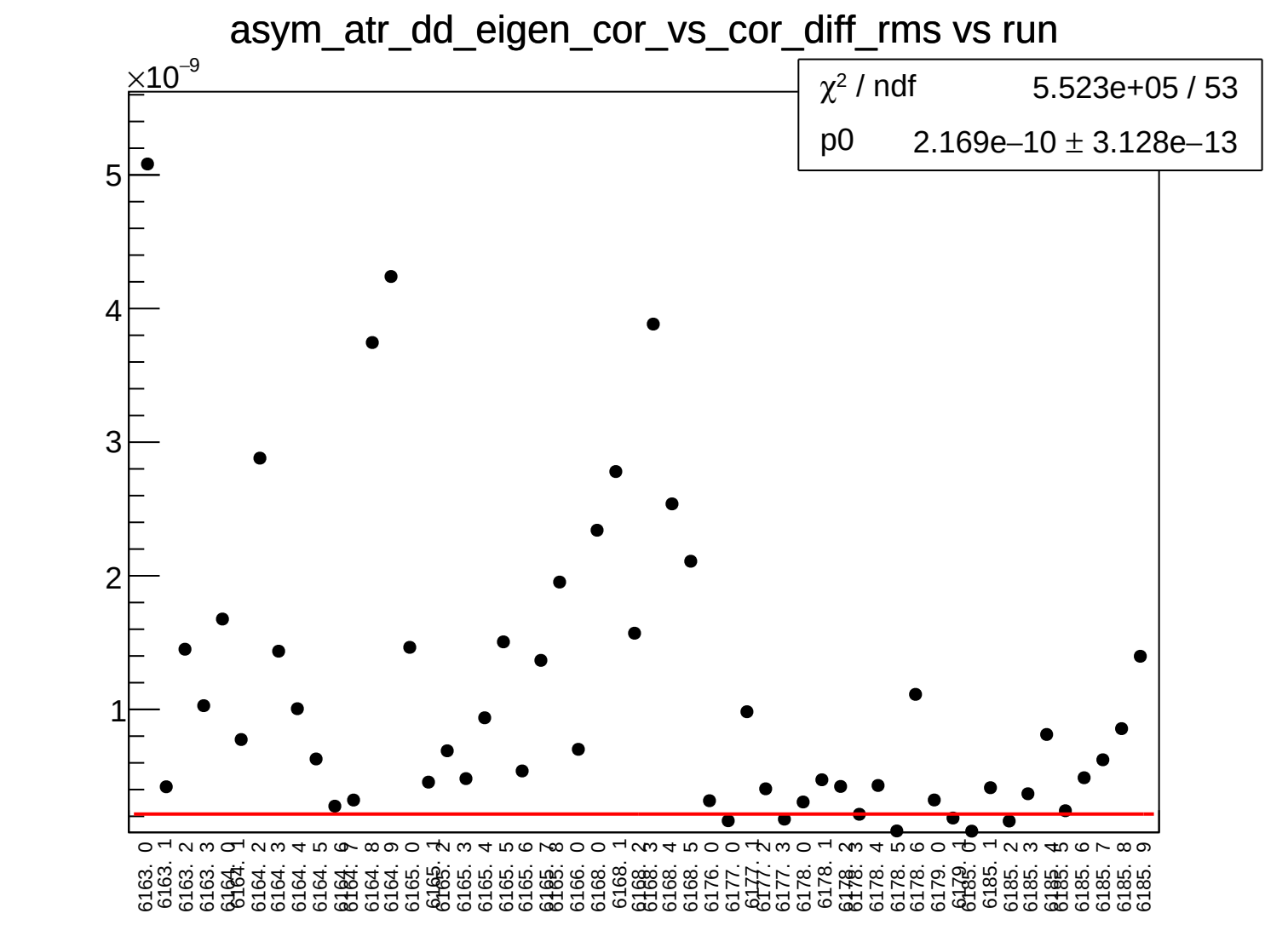

asym_atr_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 6.948e+04 / 53
p0 200.1 ± 0.2039
400
350
300
250
200
150
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


asym_atr_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 55.46 / 53
p0 0.3785 ± 0.2883
pull
Entries 54
Mean −19.17
Std Dev 0


pull1D
Entries 54
Mean −0.03588
Std Dev 1.013


asym_atr_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.948e+04 / 53
p0 200.1 ± 0.2039
400
350
300
250
200
150
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


asym_atr_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 51.6 / 53
p0 2e−13 ± 4.424e−13
pull
Entries 54
Mean 75.18
Std Dev 0
pull1D
Entries 54
Mean −0.06648
Std Dev 0.9753


asym_atr_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.523e+05 / 53
p0 2.169e−10 ± 3.128e−13
5
4
3
2
1
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
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6179. 0
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6185. 6
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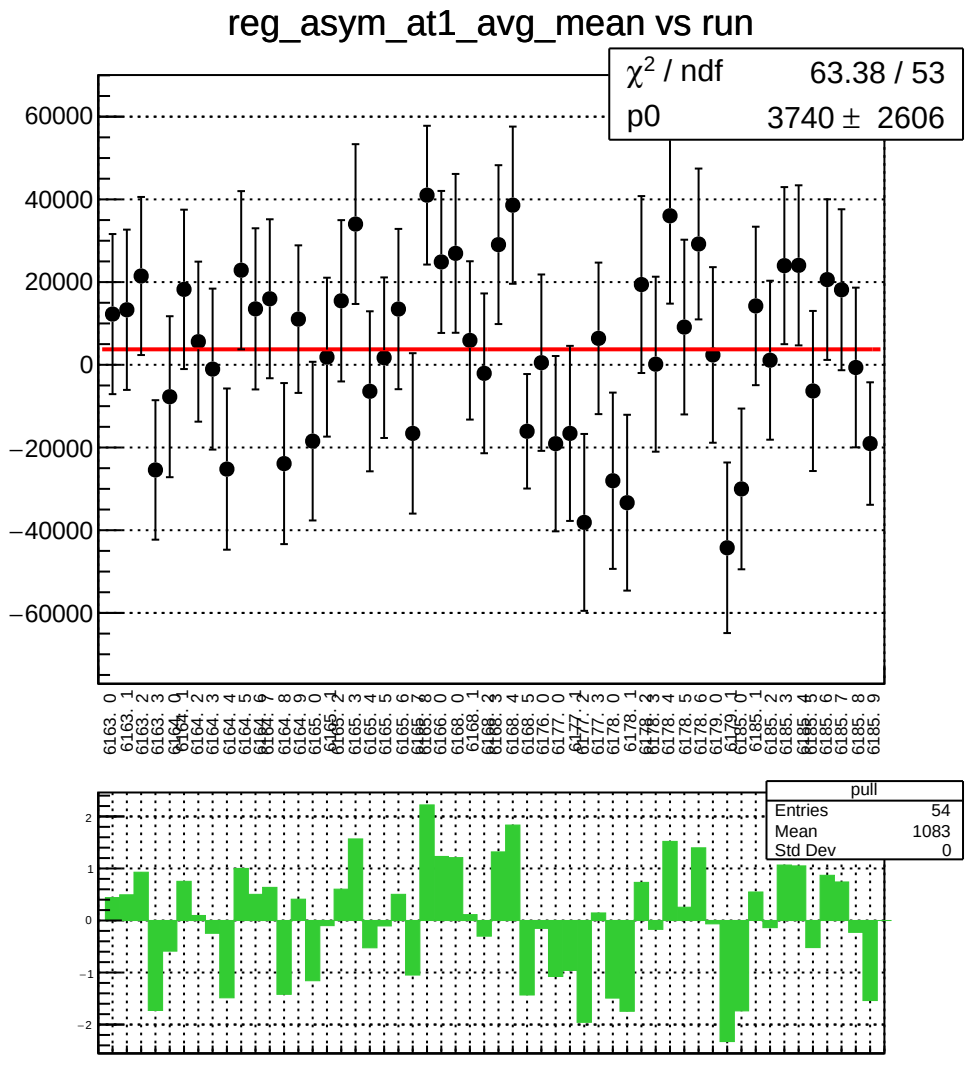
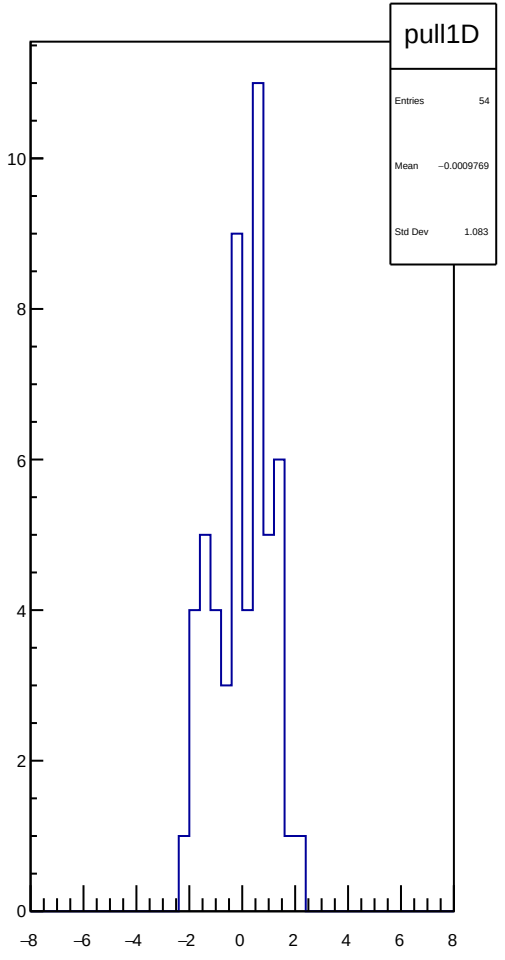
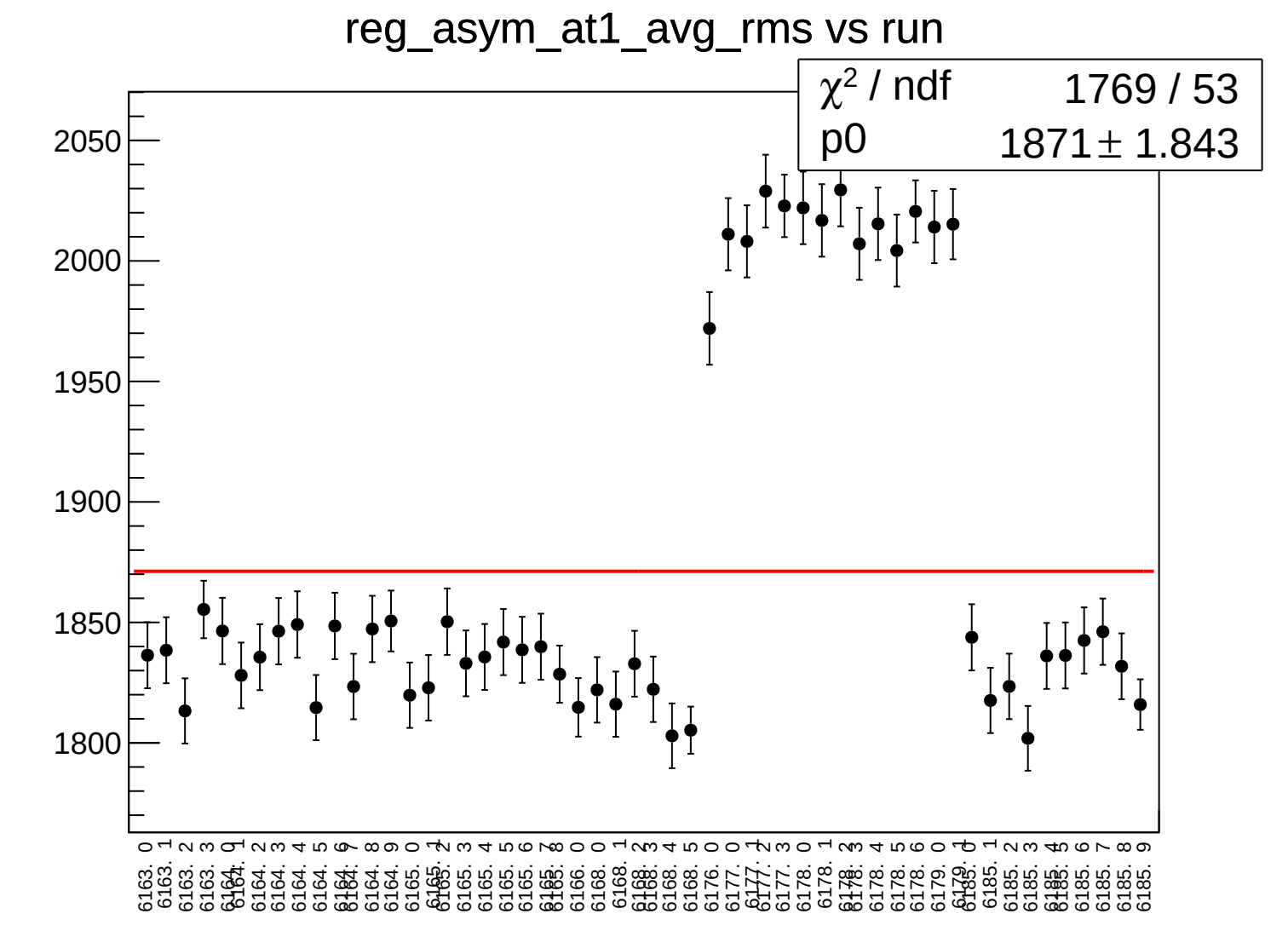
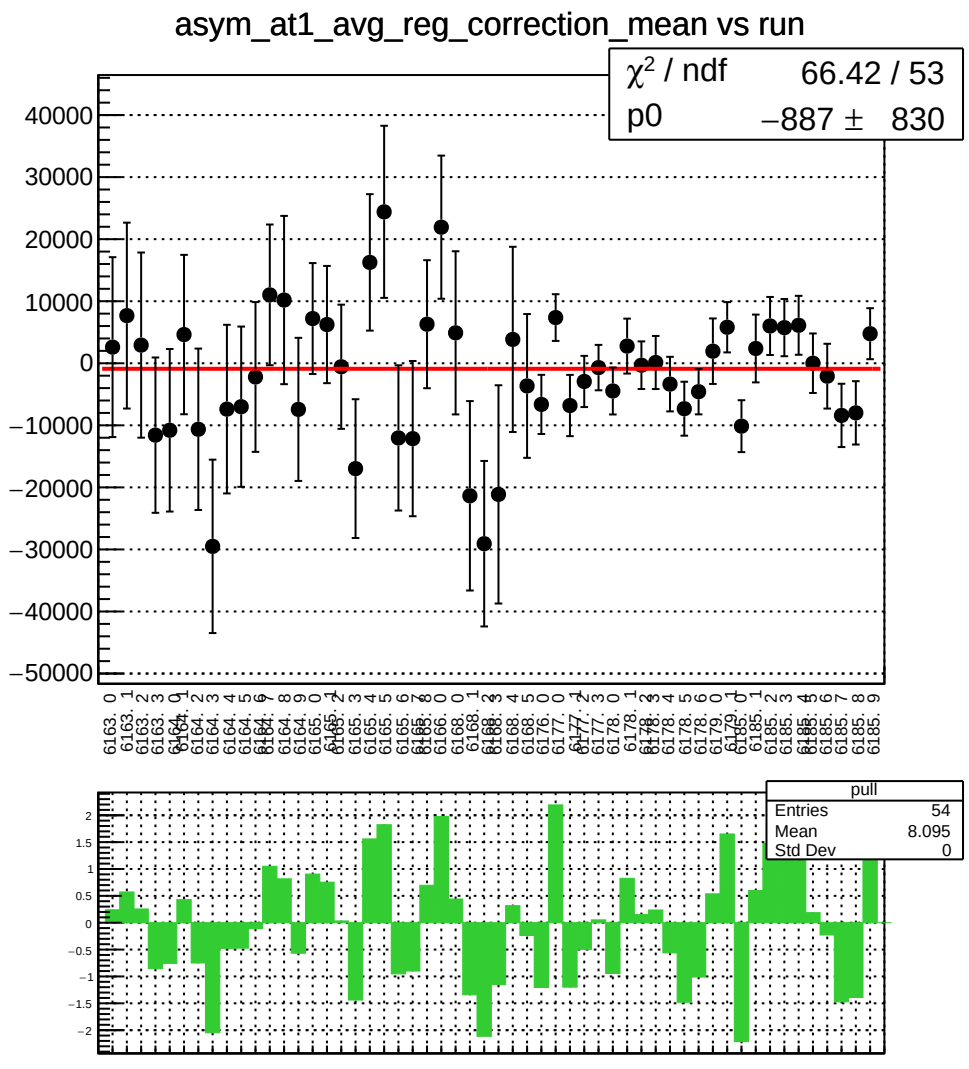
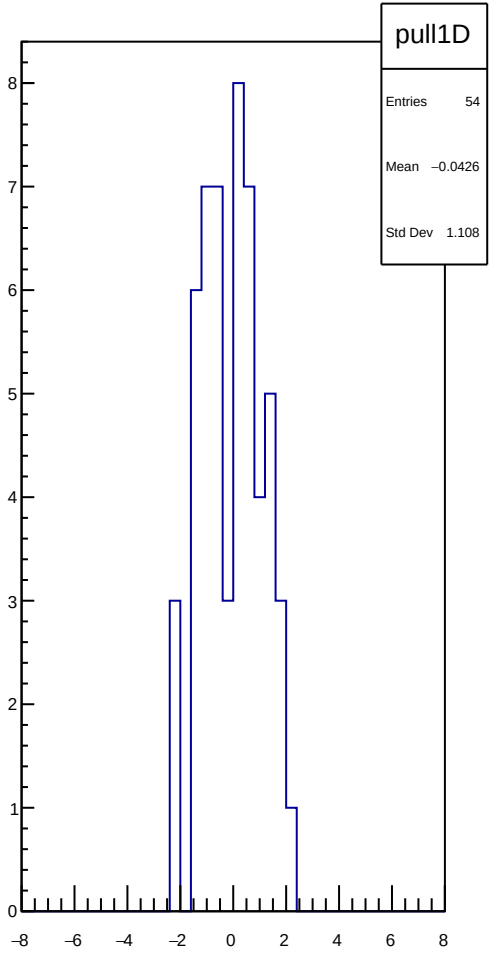
6185. 8
6185. 9

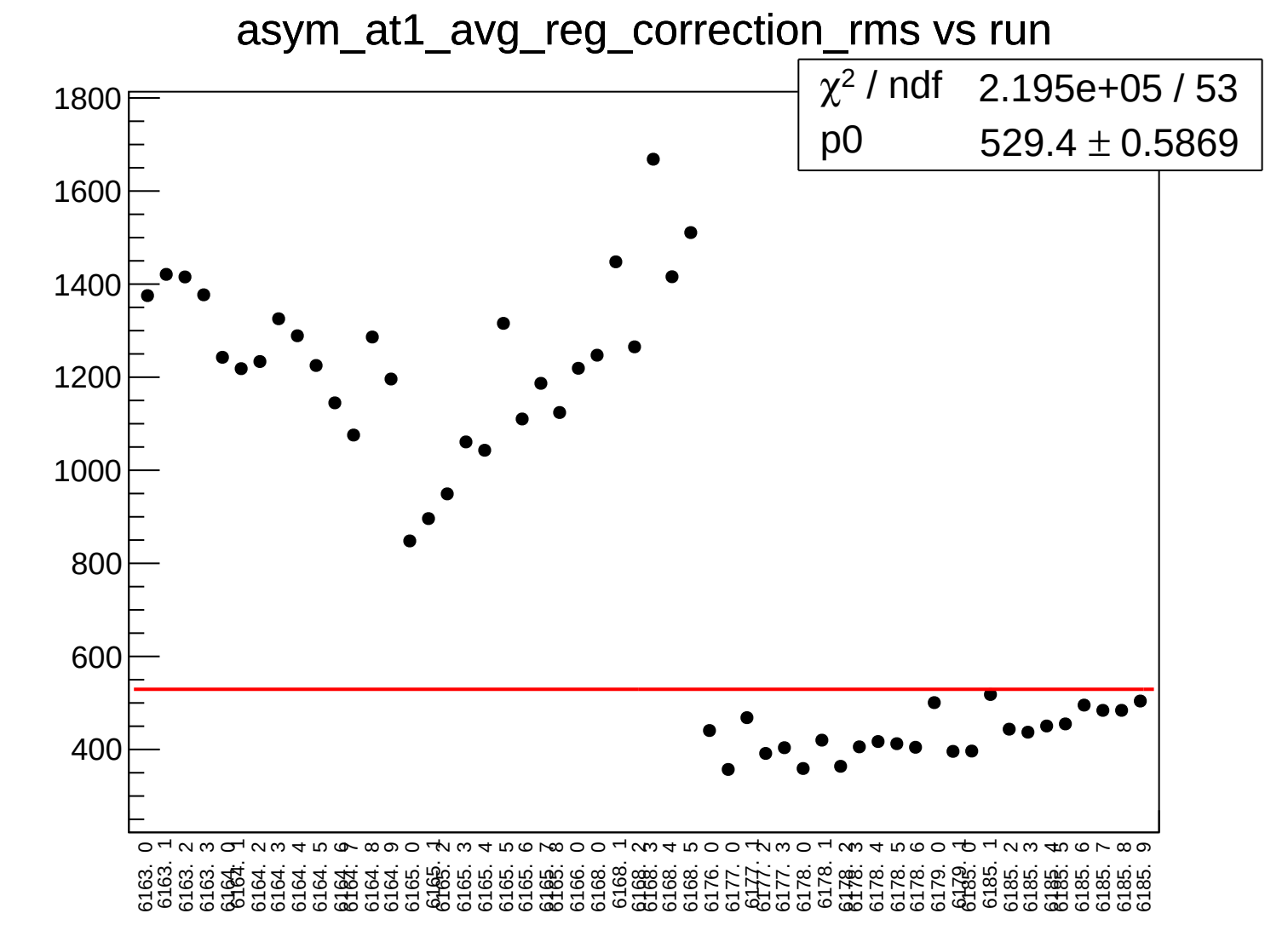

reg_asym_at1_avg_mean vs run
χ² / ndf 63.38 / 53
p0 3740 ± 2606
pull
Entries 54
Mean 1083
Std Dev 0

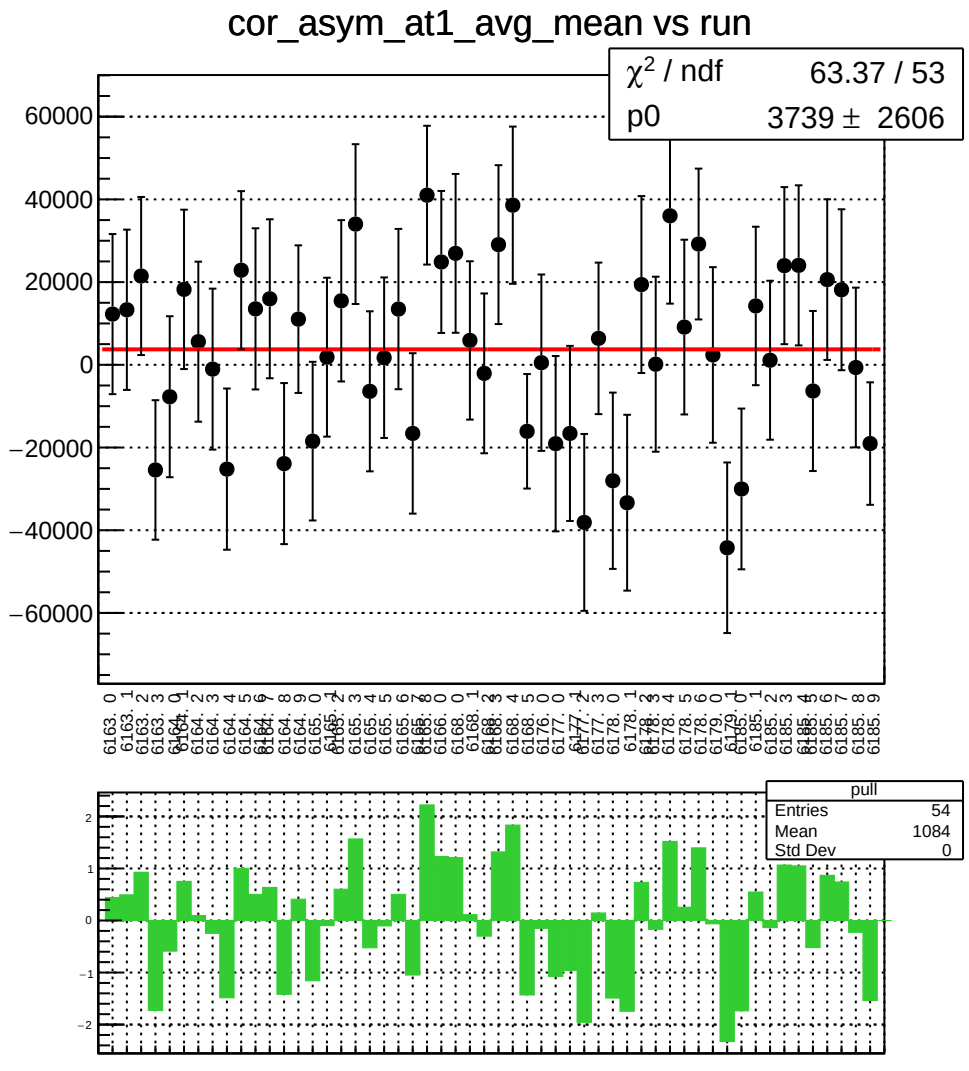

pull1D
Entries 54
Mean −0.0009769
Std Dev 1.083

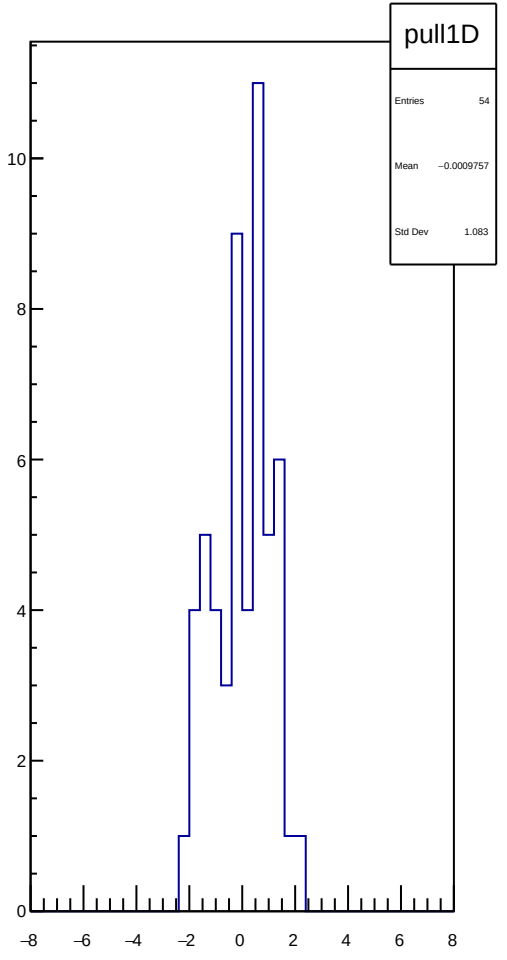

reg_asym_at1_avg_rms vs run
χ² / ndf 1769 / 53
p0 1871 ± 1.843
2050
2000
1950
1900
1850
1800
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

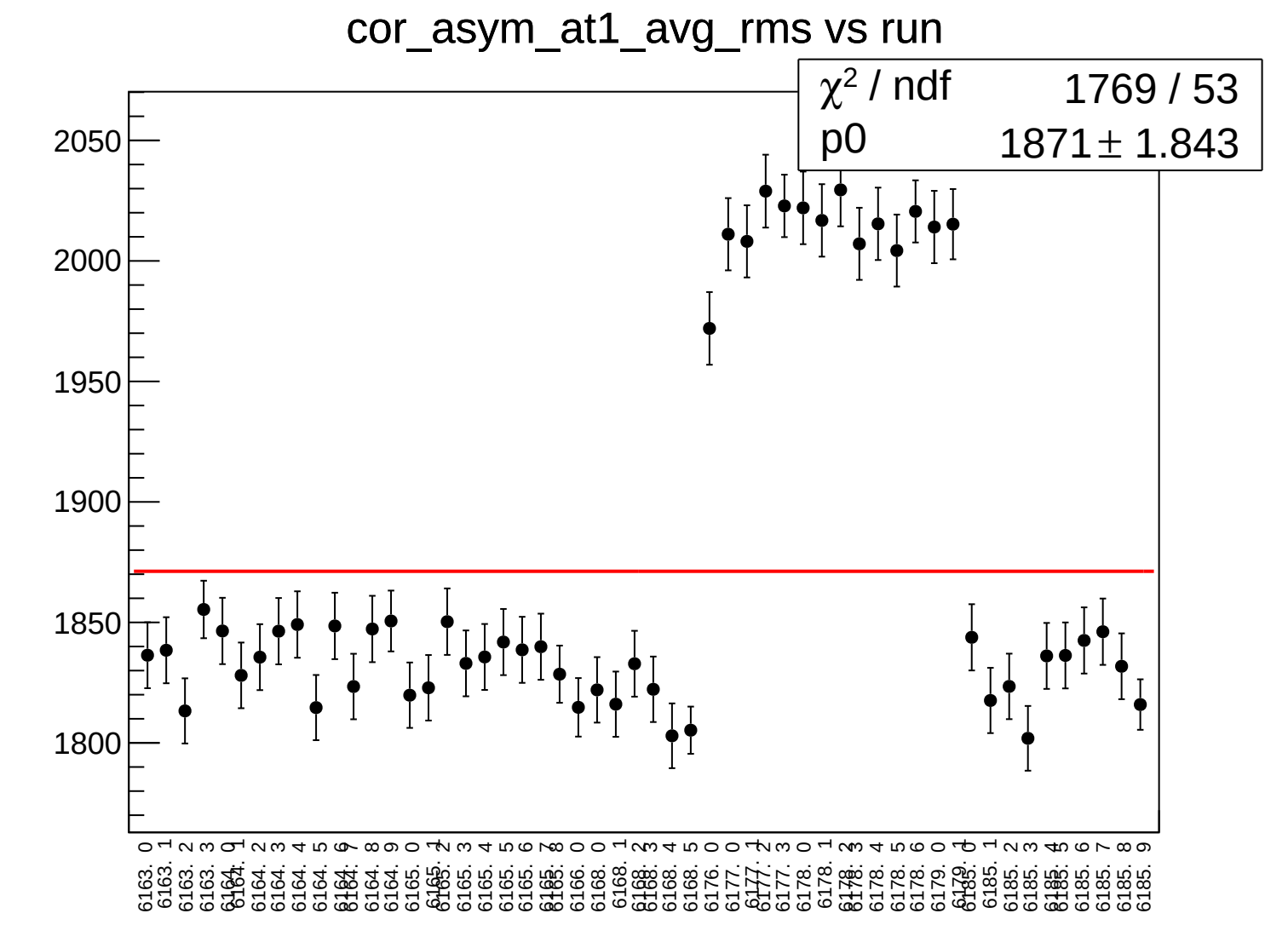

asym_at1_avg_reg_correction_mean vs run
χ² / ndf 66.42 / 53
p0 −887 ± 830
pull
Entries 54
Mean 8.095
Std Dev 0

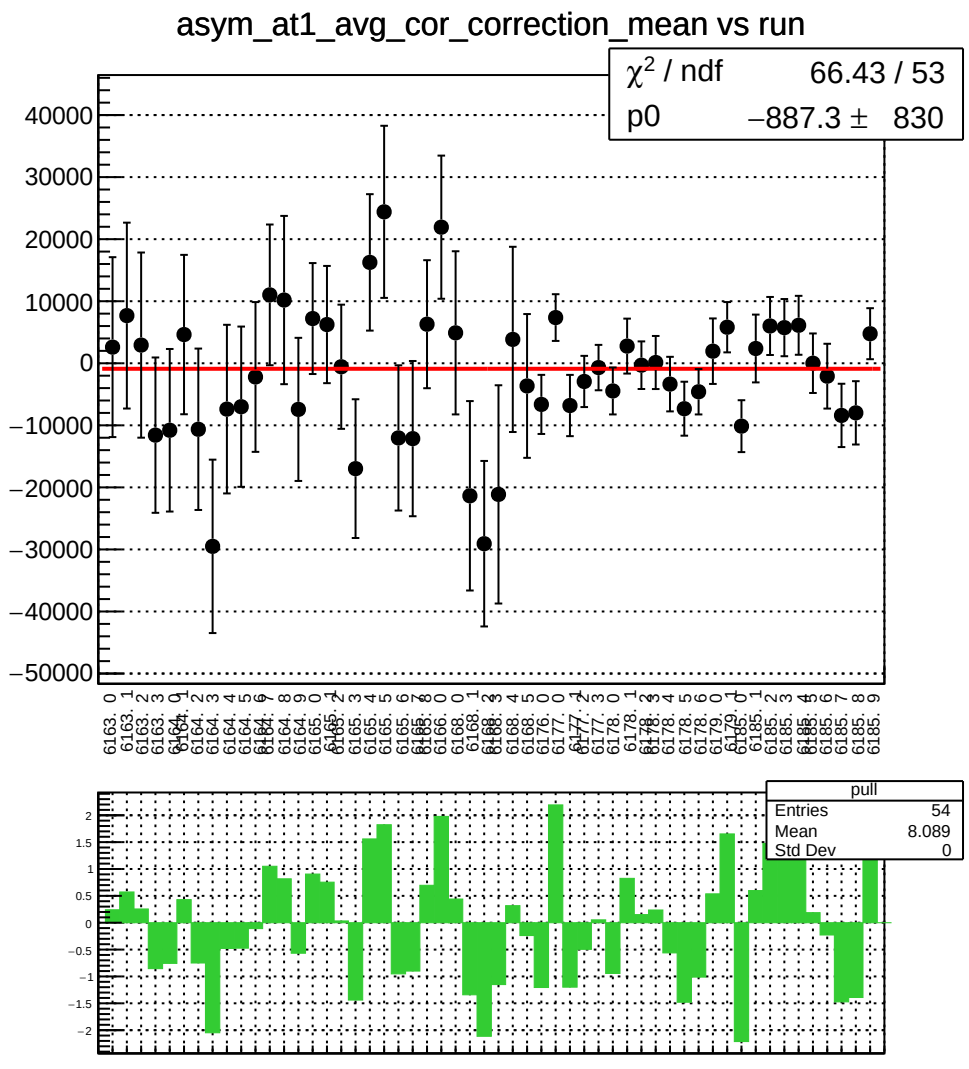

pull1D
Entries 54
Mean −0.0426
Std Dev 1.108

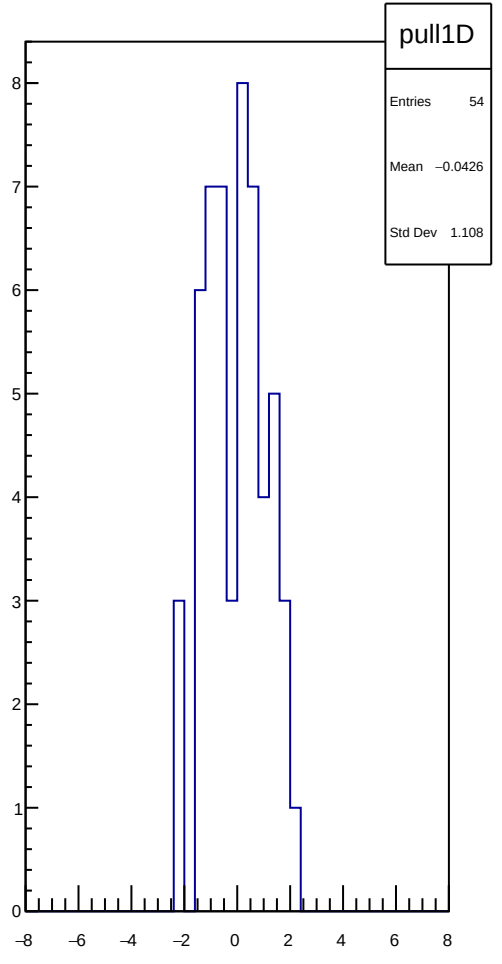

asym_at1_avg_reg_correction_rms vs run
χ² / ndf 2.195e+05 / 53
p0 529.4 ± 0.5869
1800
1600
1400
1200
1000
800
600
400
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

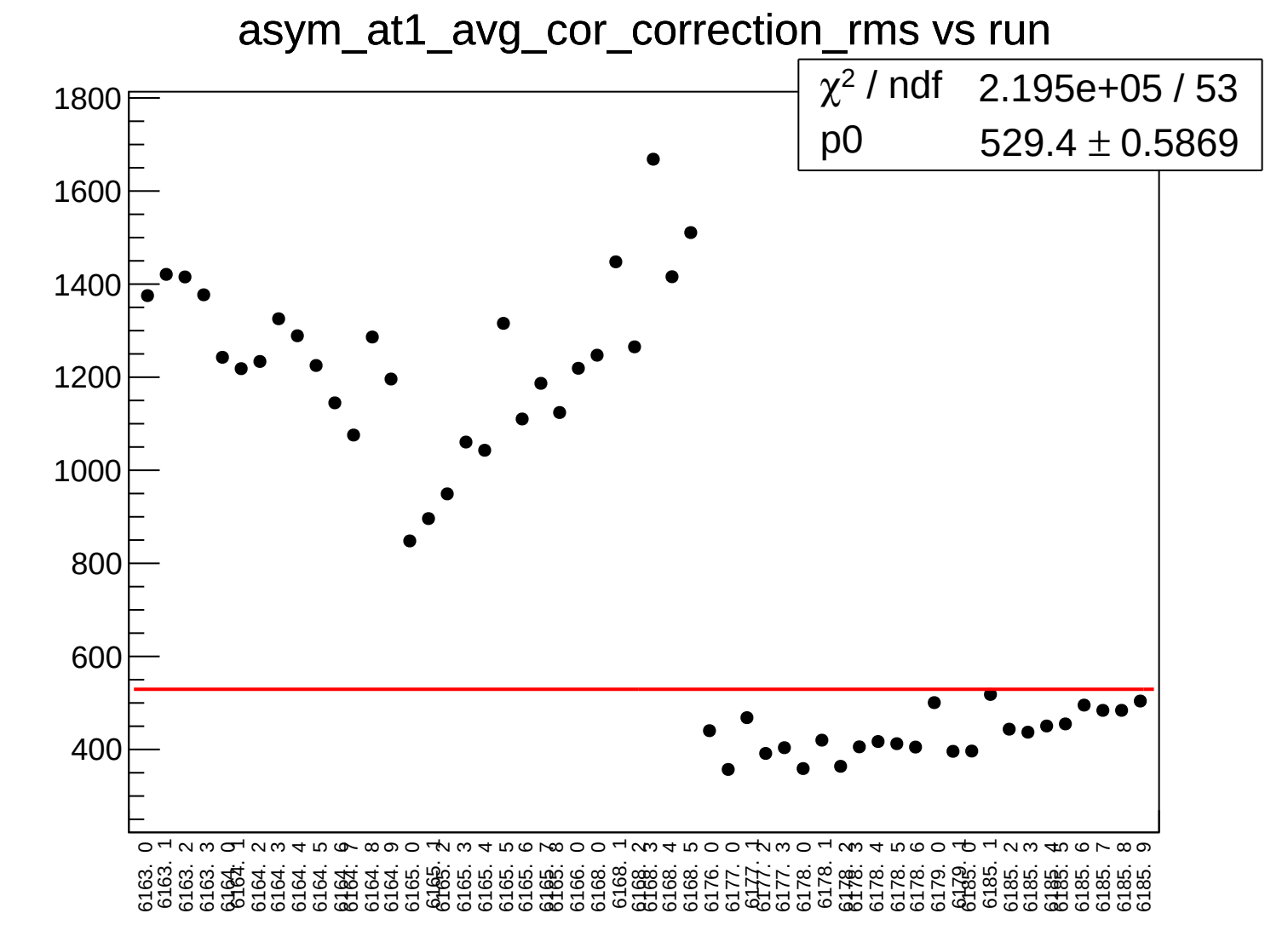

cor_asym_at1_avg_mean vs run
χ² / ndf 63.37 / 53
p0 3739 ± 2606
pull
Entries 54
Mean 1084
Std Dev 0

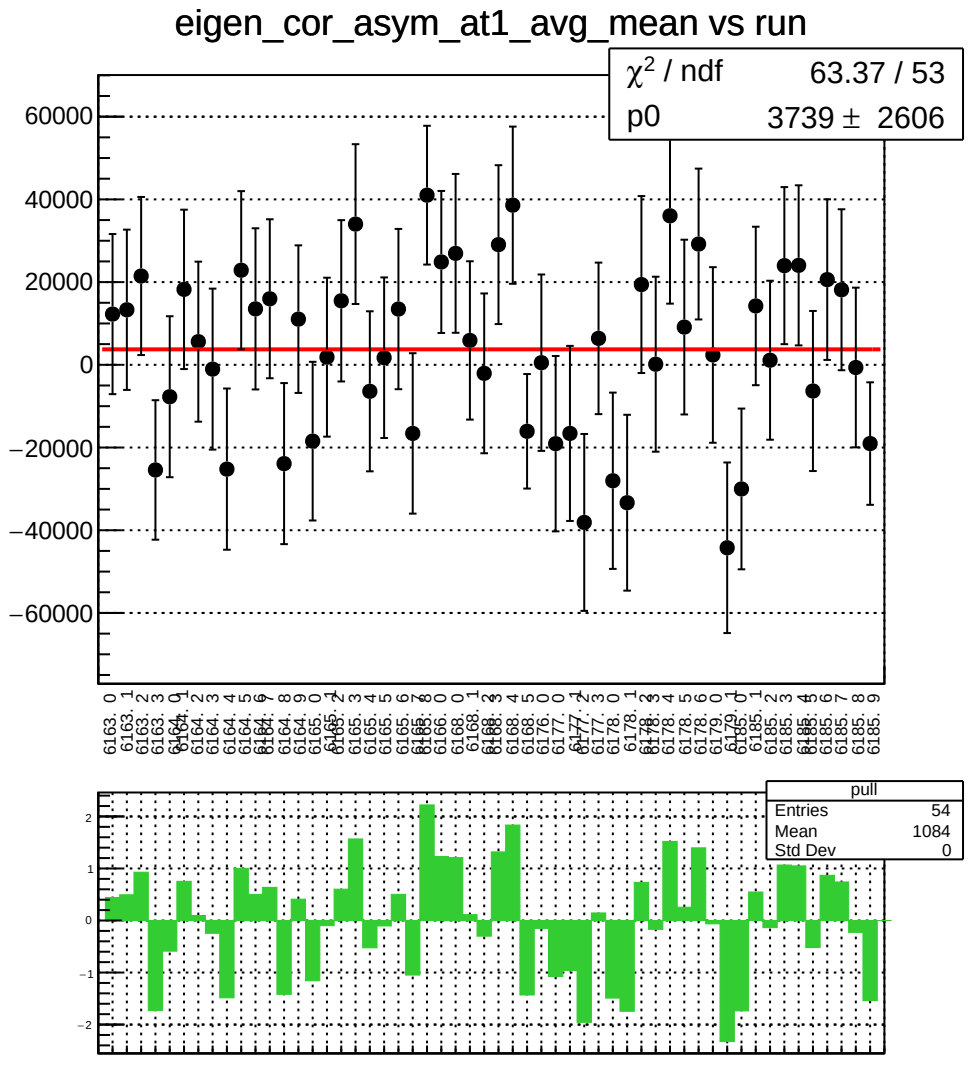

pull1D
Entries 54
Mean −0.0009757
Std Dev 1.083

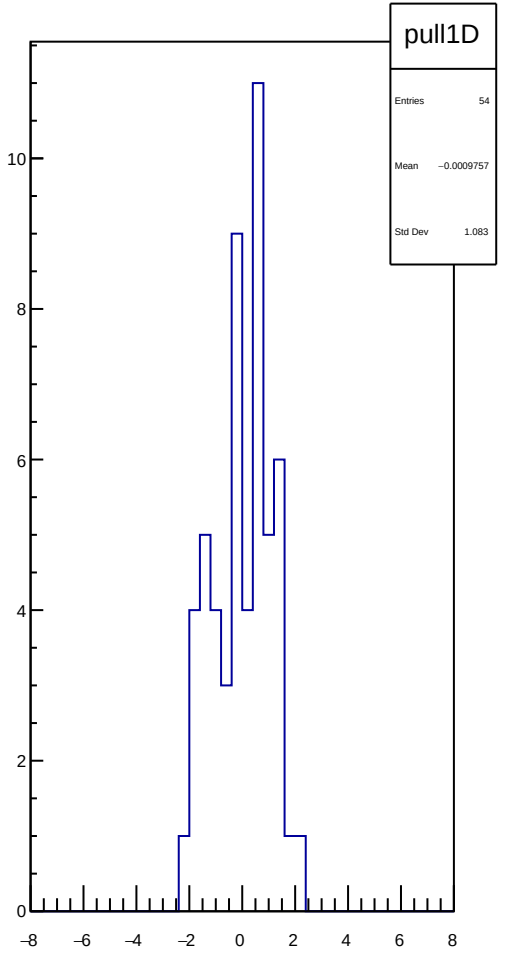

cor_asym_at1_avg_rms vs run
χ² / ndf 1769 / 53
p0 1871 ± 1.843
2050
2000
1950
1900
1850
1800
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

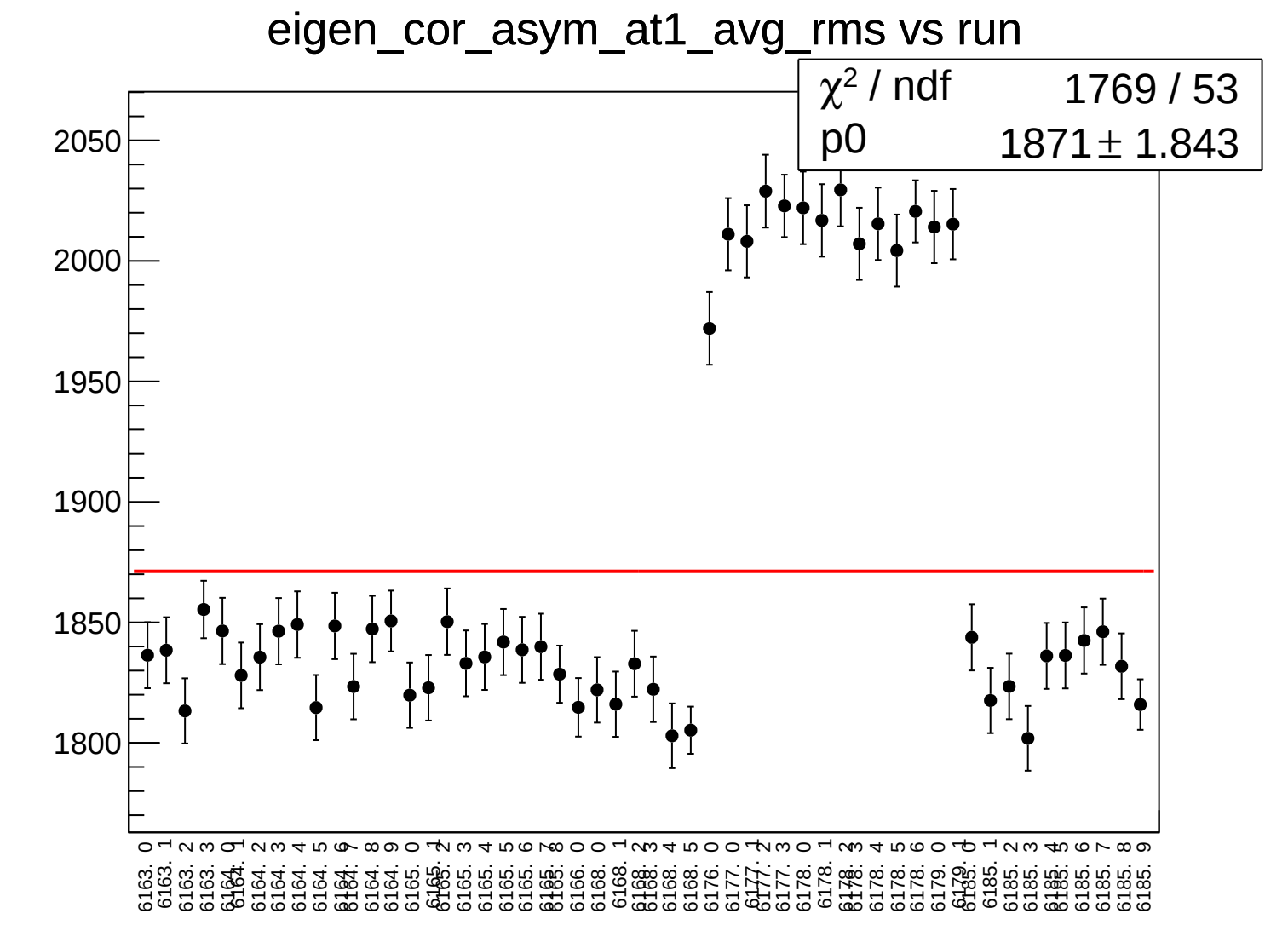

asym_at1_avg_cor_correction_mean vs run
χ² / ndf 66.43 / 53
p0 −887.3 ± 830
pull
Entries 54
Mean 8.089
Std Dev 0

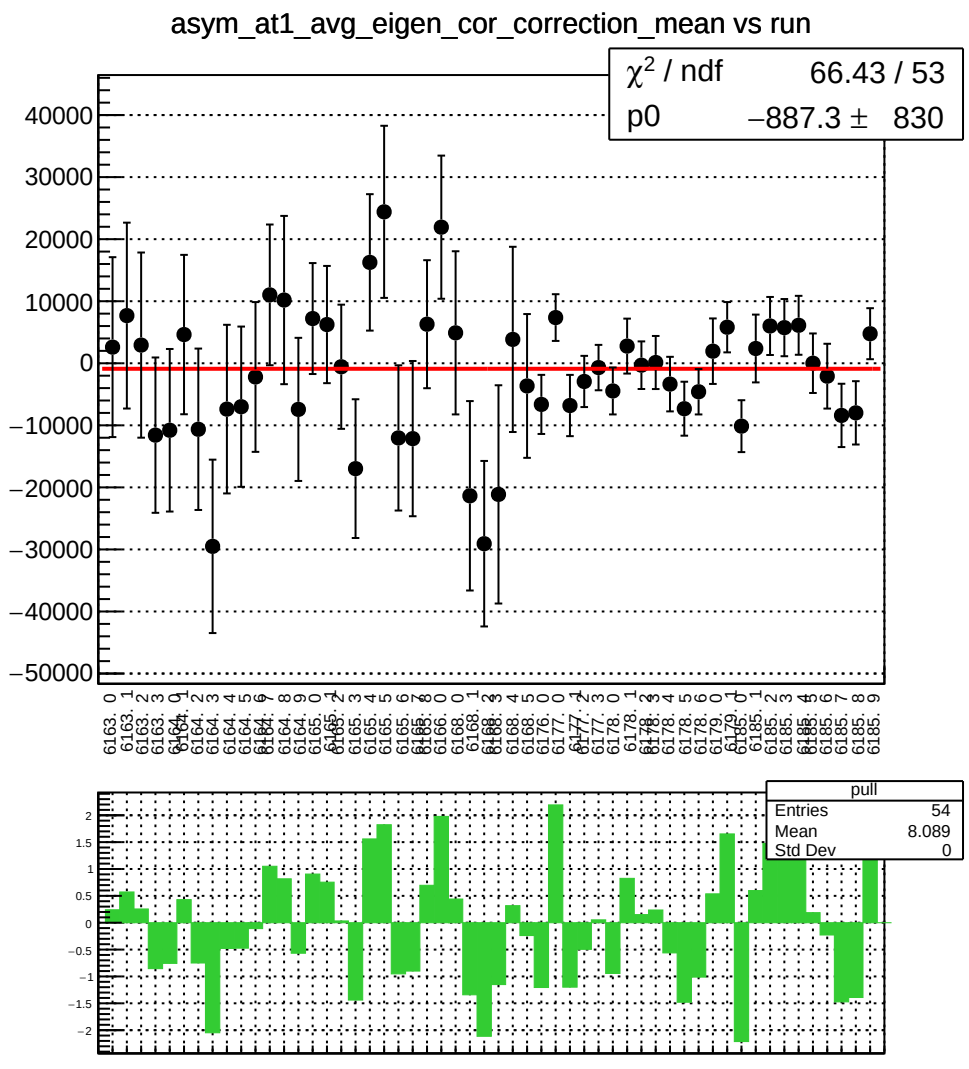

pull1D
Entries 54
Mean −0.0426
Std Dev 1.108

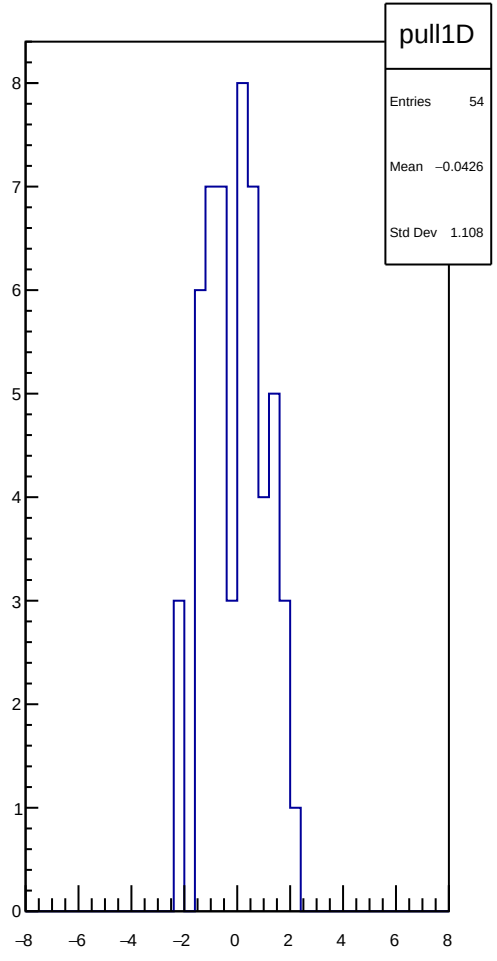

asym_at1_avg_cor_correction_rms vs run
χ² / ndf 2.195e+05 / 53
p0 529.4 ± 0.5869
1800
1600
1400
1200
1000
800
600
400
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

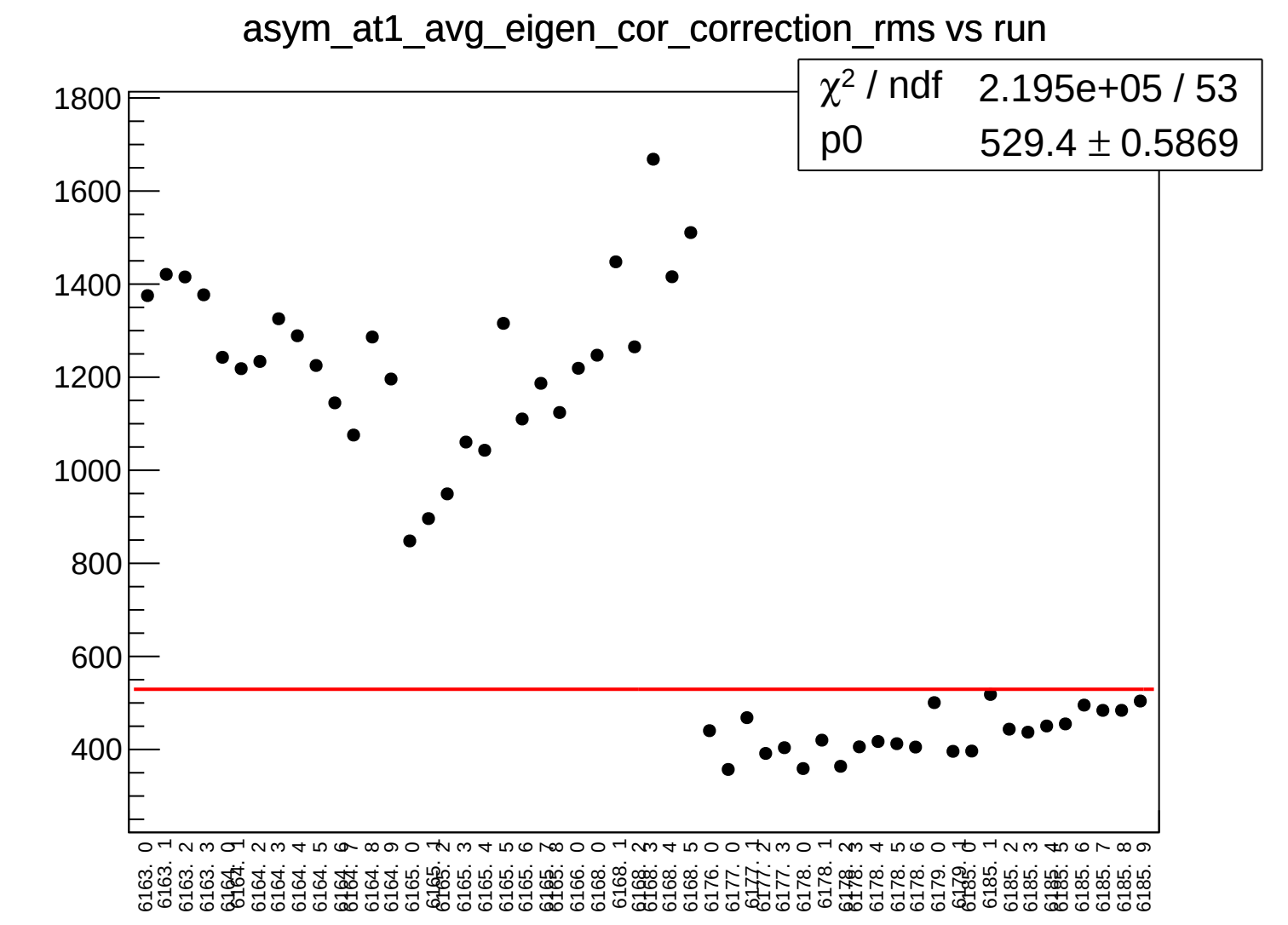

eigen_cor_asym_at1_avg_mean vs run
χ² / ndf 63.37 / 53
p0 3739 ± 2606
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 1084
Std Dev 0
2
1
0
−1
−2

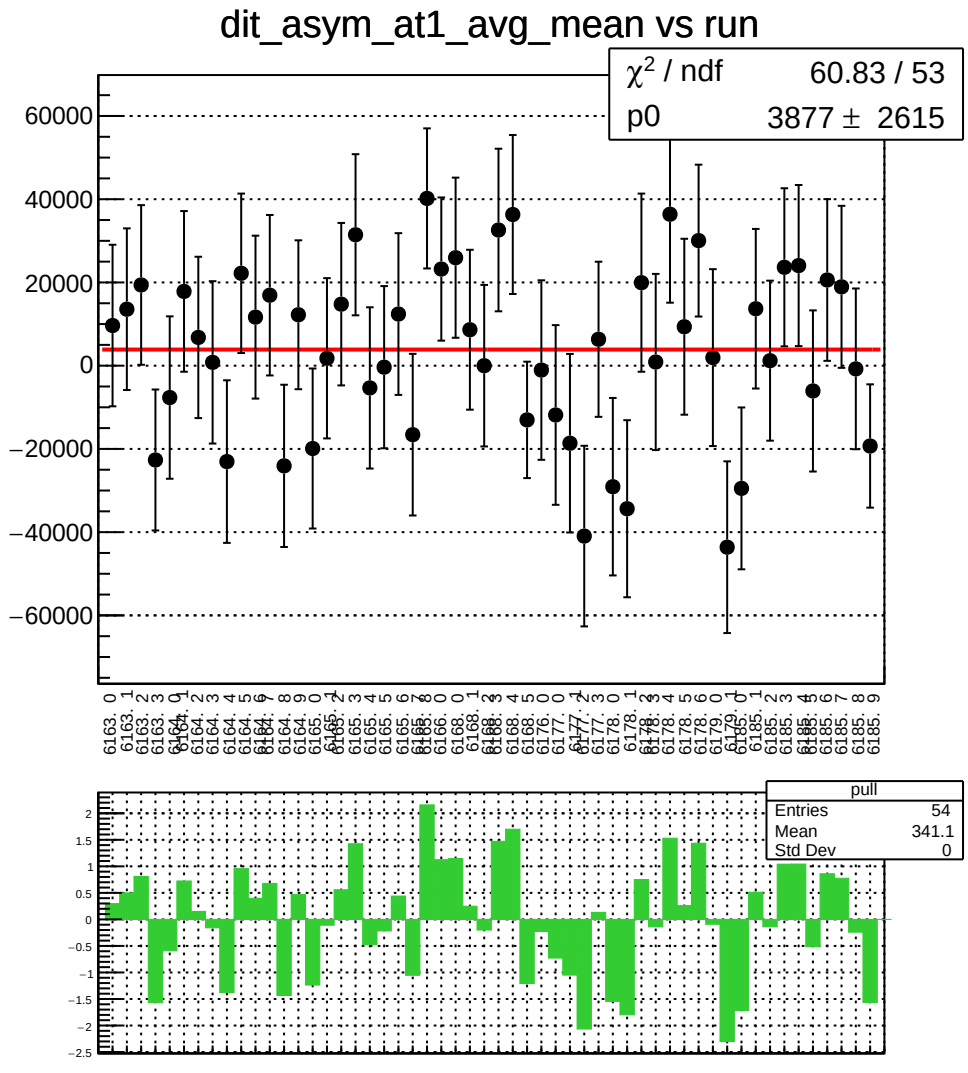

pull1D
Entries 54
Mean −0.0009757
Std Dev 1.083
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

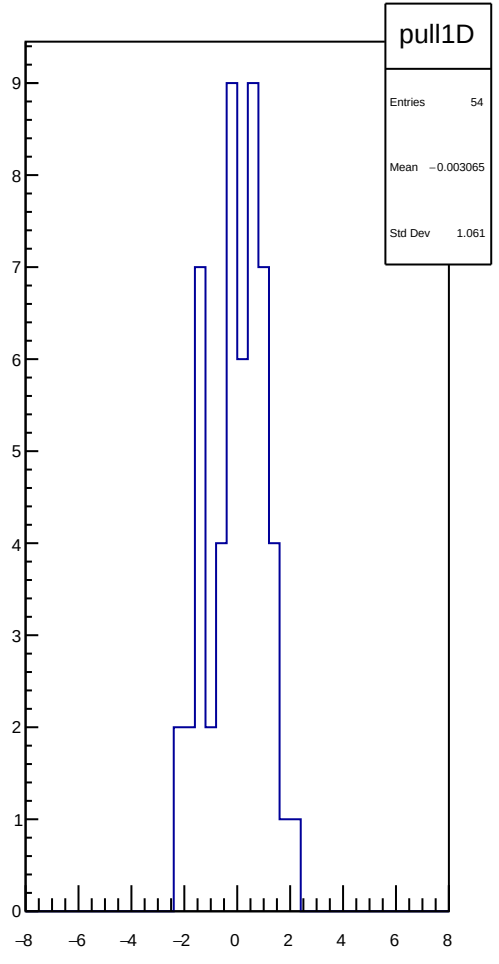

eigen_cor_asym_at1_avg_rms vs run
χ² / ndf 1769 / 53
p0 1871 ± 1.843
2050
2000
1950
1900
1850
1800
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

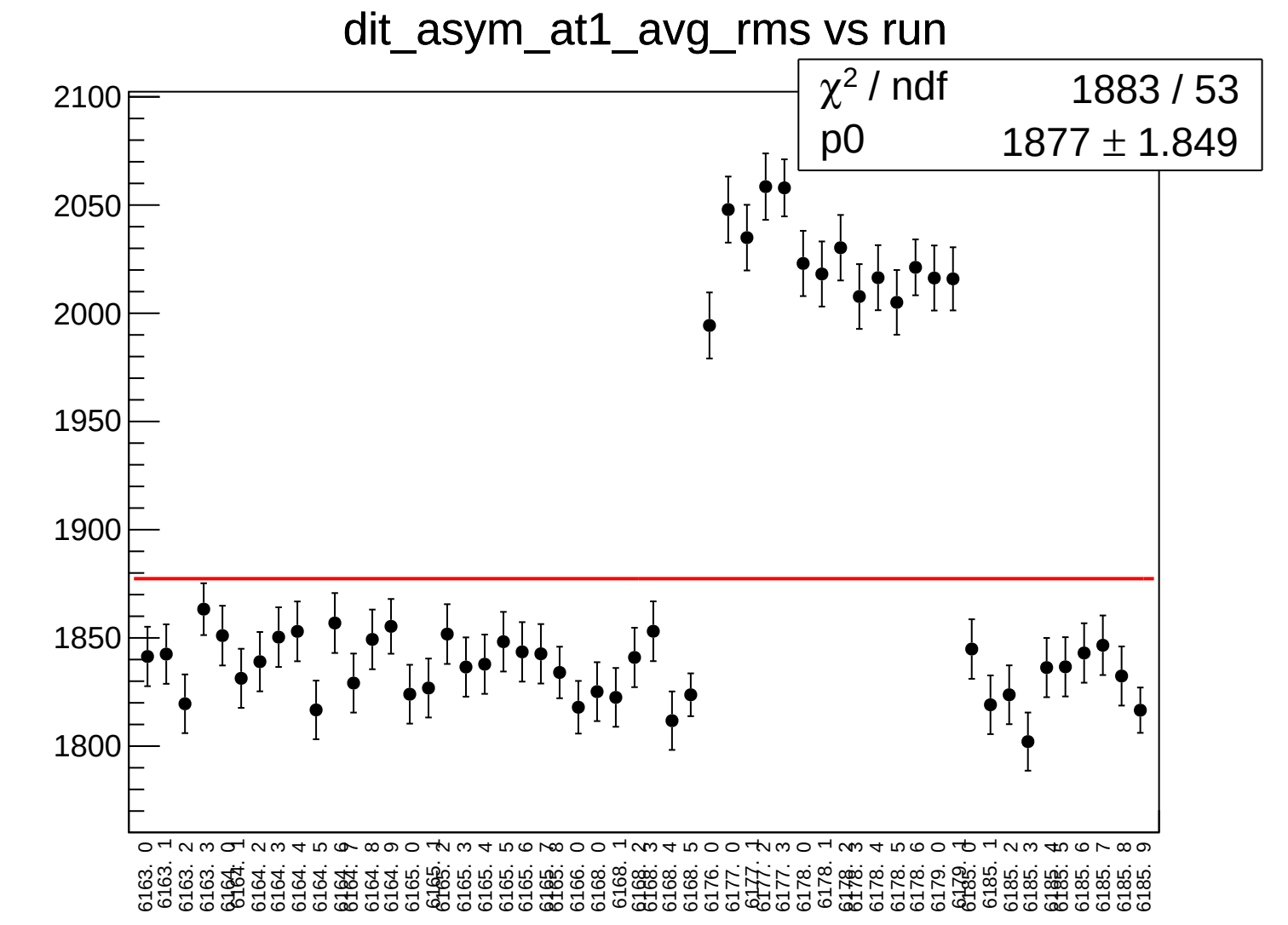

asym_at1_avg_eigen_cor_correction_mean vs run
χ² / ndf 66.43 / 53
p0 −887.3 ± 830
pull
Entries 54
Mean 8.089
Std Dev 0

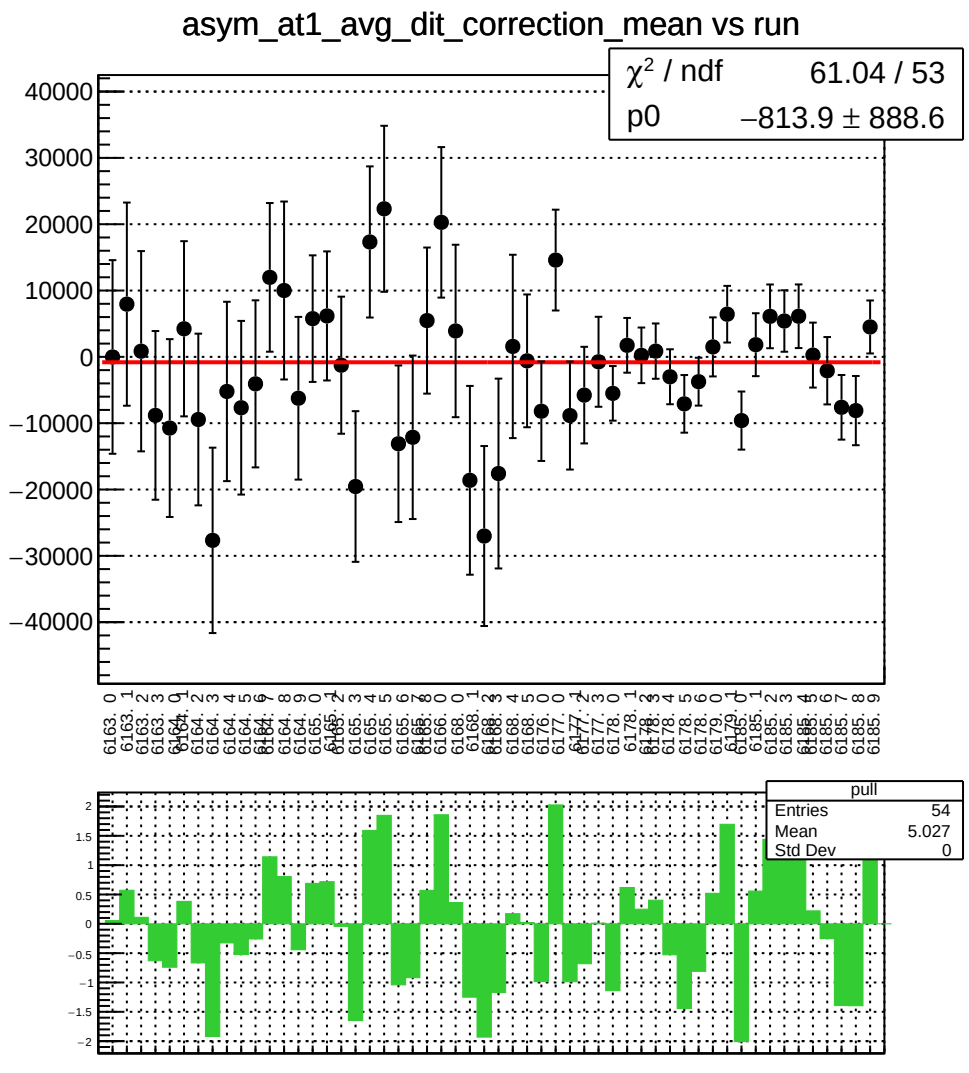

pull1D
Entries 54
Mean −0.0426
Std Dev 1.108

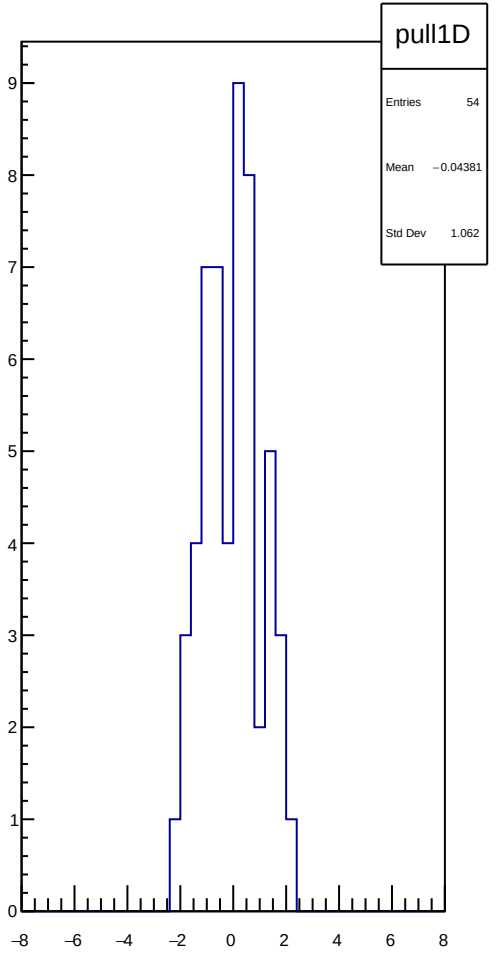

asym_at1_avg_eigen_cor_correction_rms vs run
χ² / ndf 2.195e+05 / 53
p0 529.4 ± 0.5869
1800
1600
1400
1200
1000
800
600
400
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

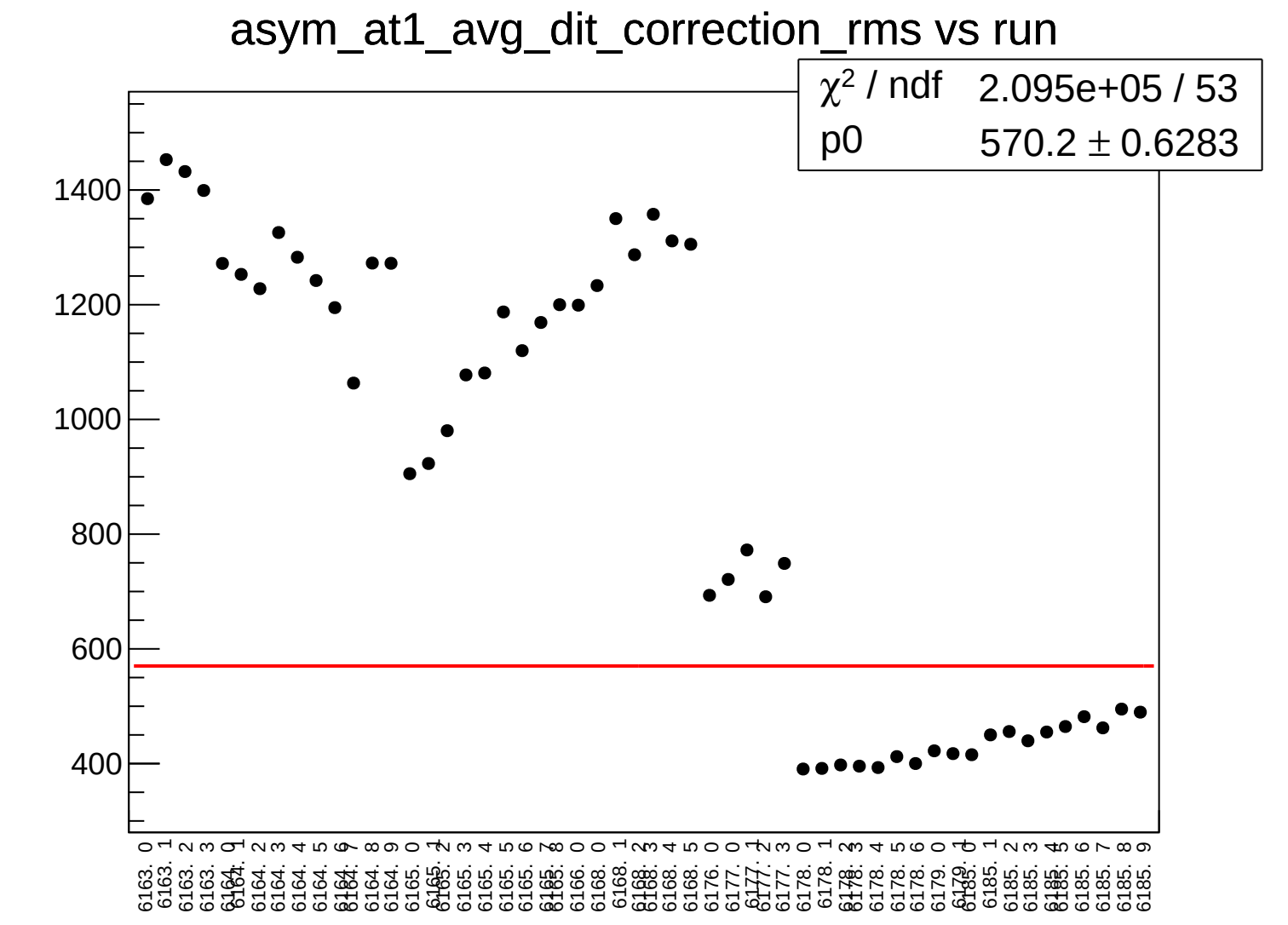

dit_asym_at1_avg_mean vs run
χ² / ndf 60.83 / 53
p0 3877 ± 2615
pull
Entries 54
Mean 341.1
Std Dev 0

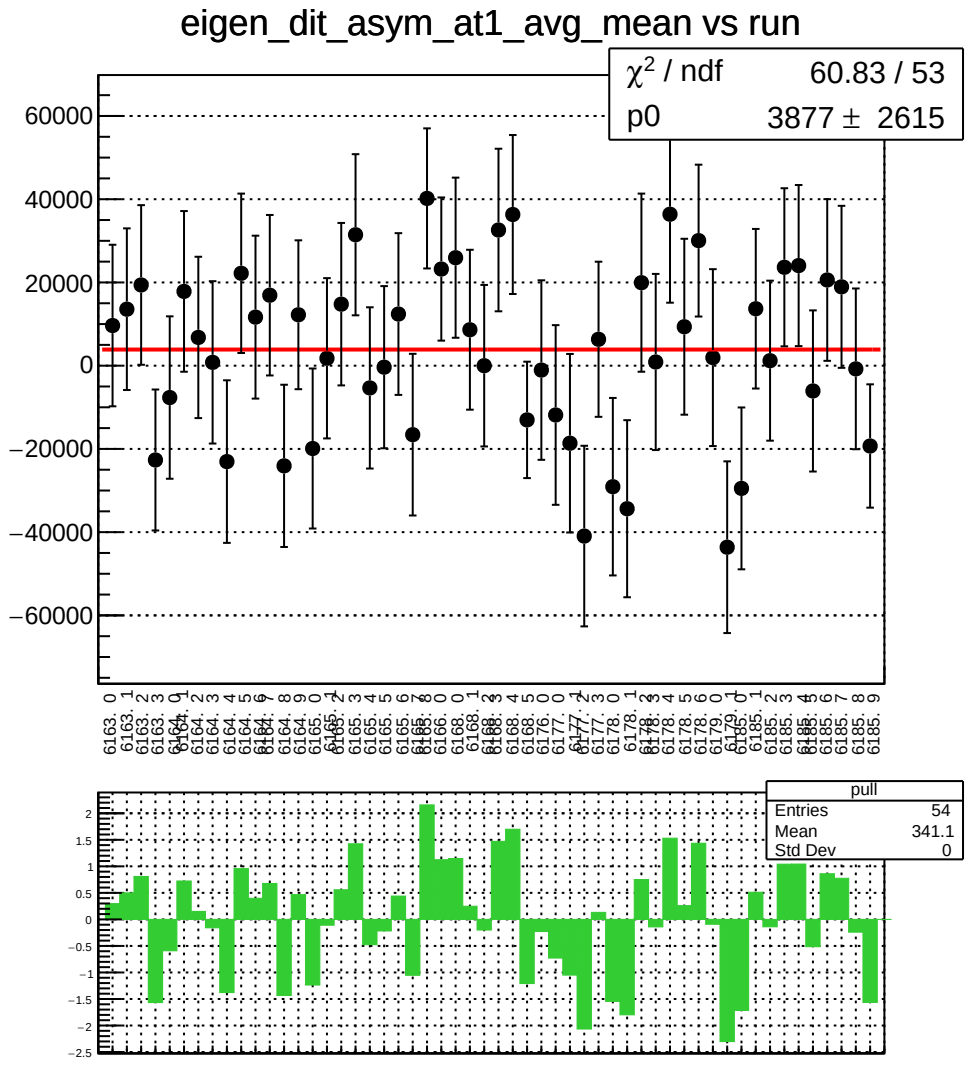

pull1D
Entries 54
Mean −0.003065
Std Dev 1.061

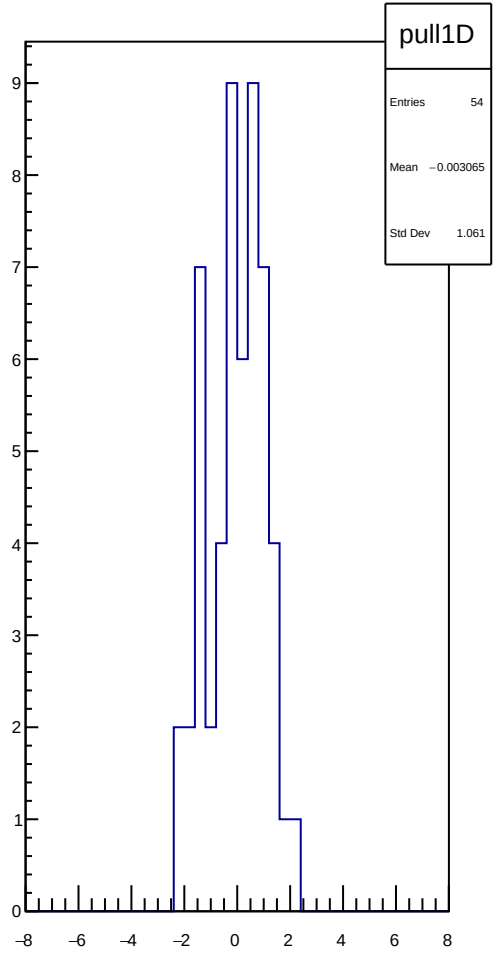

dit_asym_at1_avg_rms vs run
χ² / ndf 1883 / 53
p0 1877 ± 1.849
2100
2050
2000
1950
1900
1850
1800
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

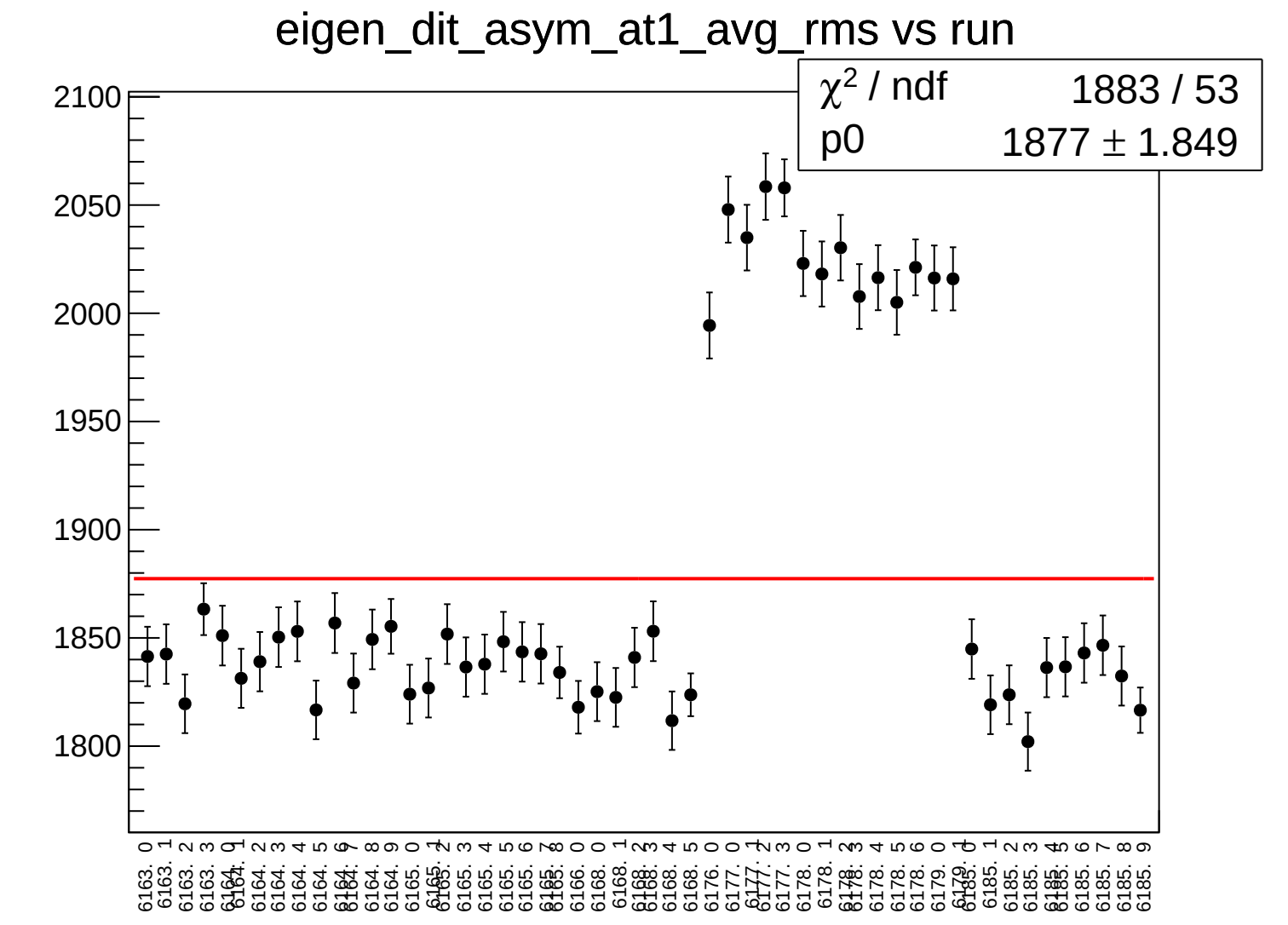

asym_at1_avg_dit_correction_mean vs run
χ² / ndf 61.04 / 53
p0 −813.9 ± 888.6
pull
Entries 54
Mean 5.027
Std Dev 0

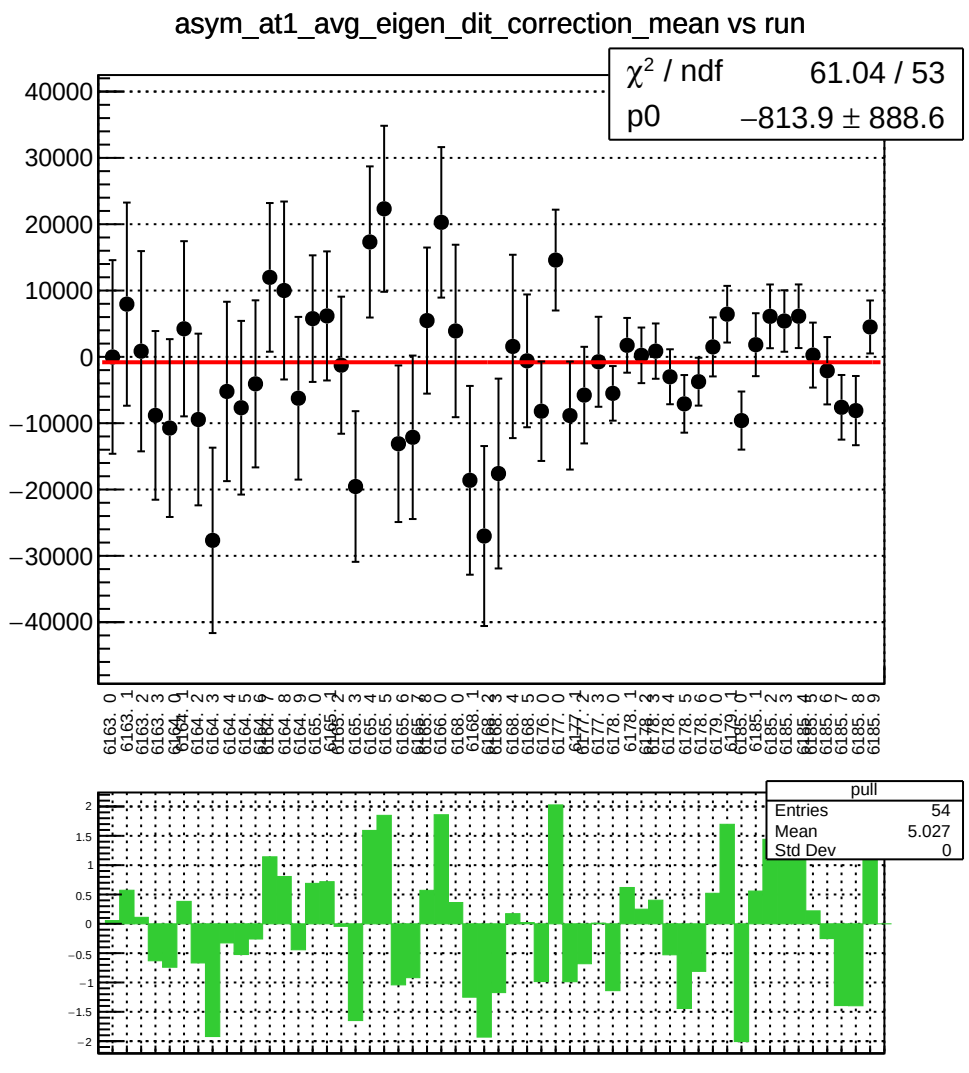

pull1D
Entries 54
Mean −0.04381
Std Dev 1.062

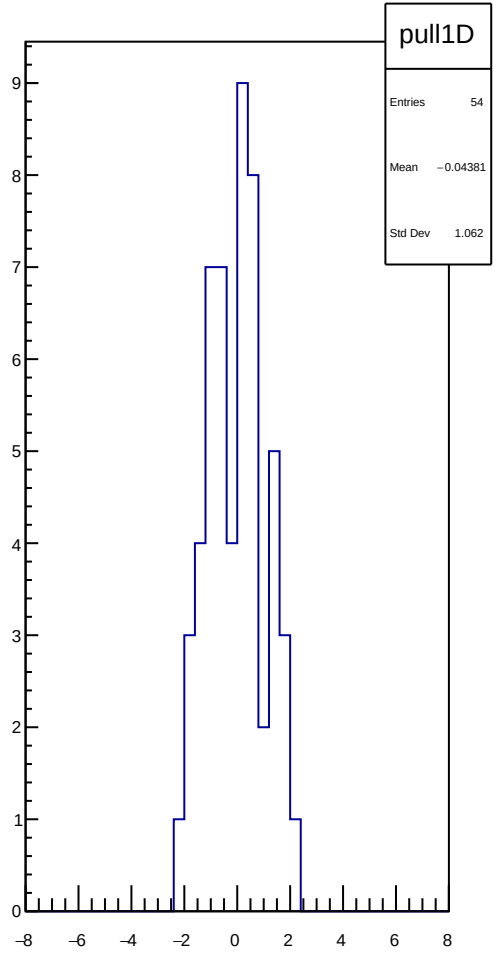

asym_at1_avg_dit_correction_rms vs run
χ² / ndf 2.095e+05 / 53
p0 570.2 ± 0.6283
1400
1200
1000
800
600
400
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

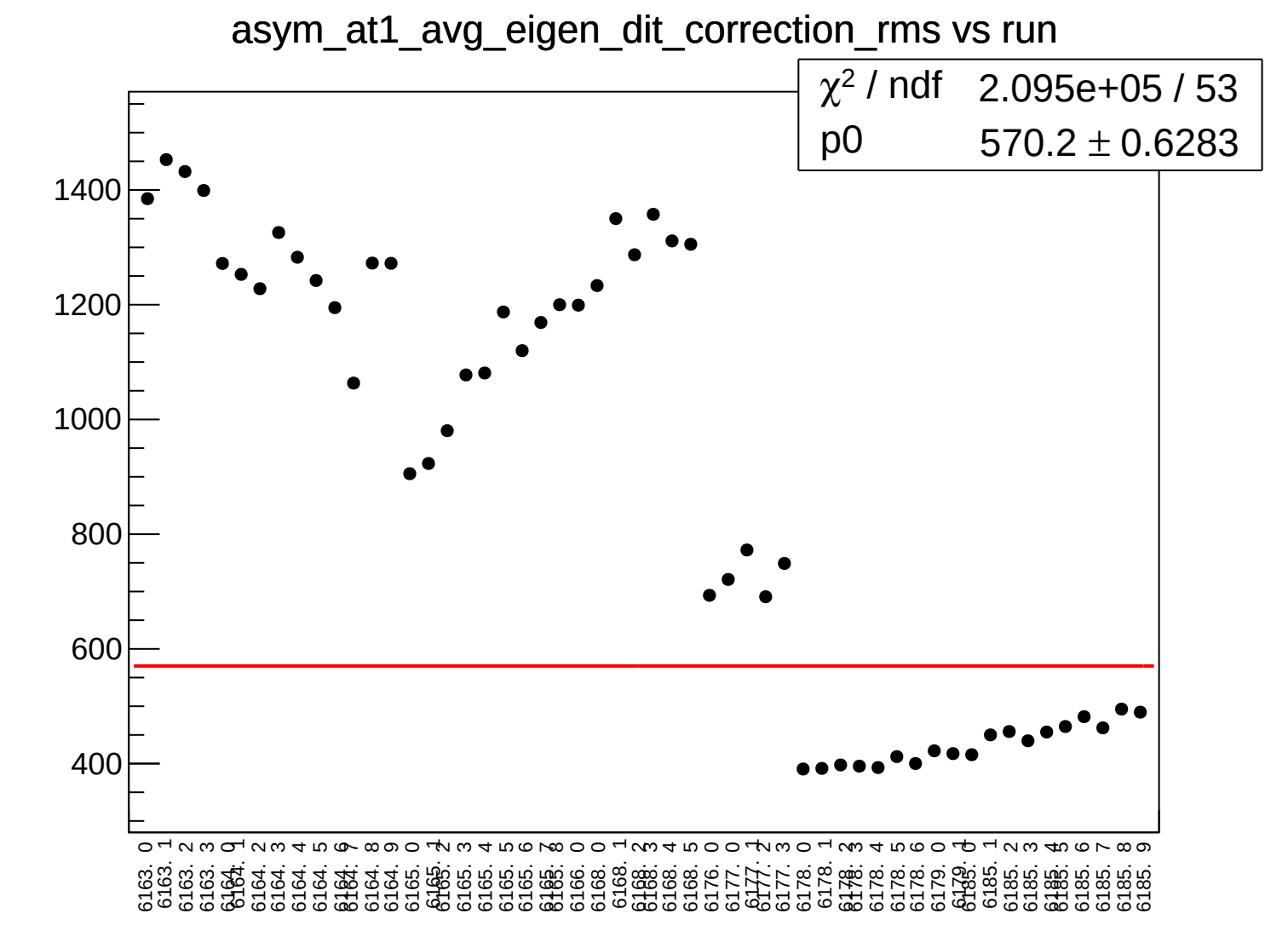

eigen_dit_asym_at1_avg_mean vs run
χ² / ndf 60.83 / 53
p0 3877 ± 2615
pull
Entries 54
Mean 341.1
Std Dev 0

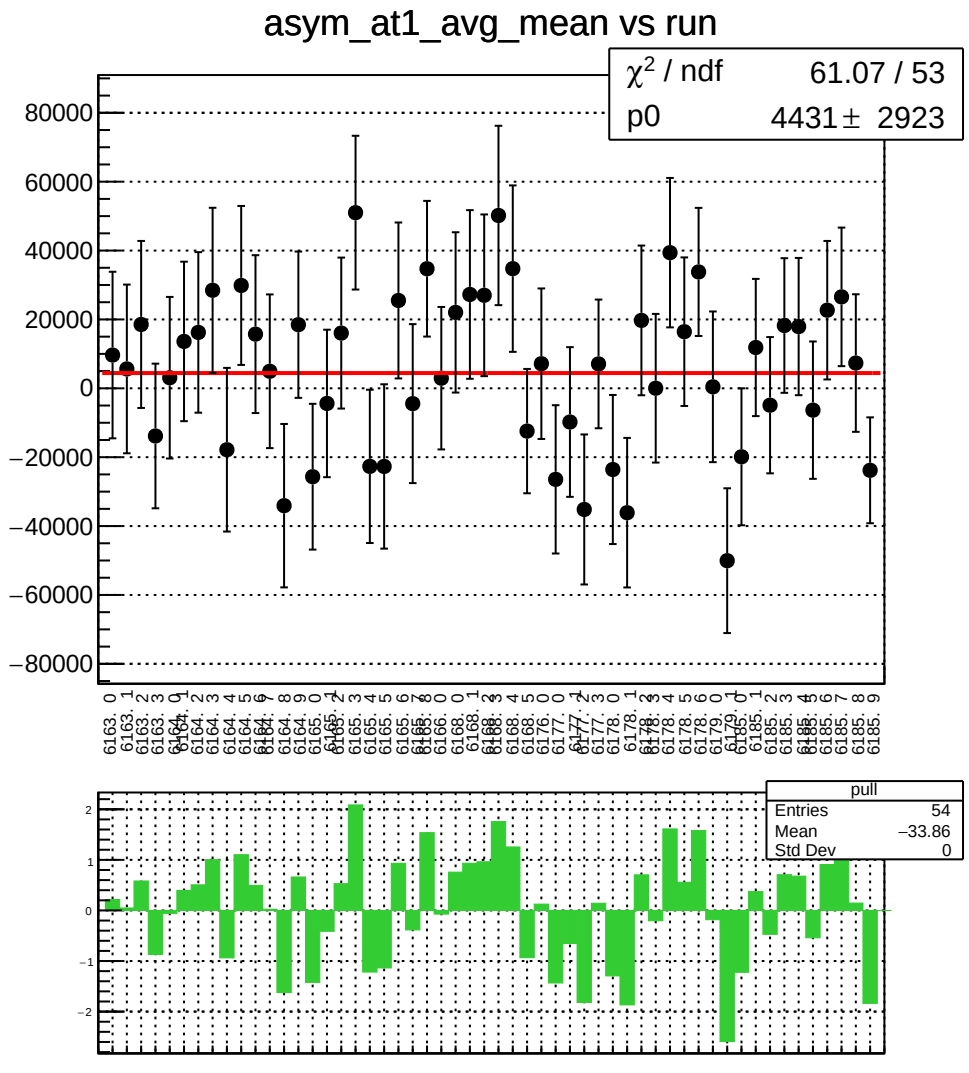

pull1D
Entries 54
Mean −0.003065
Std Dev 1.061

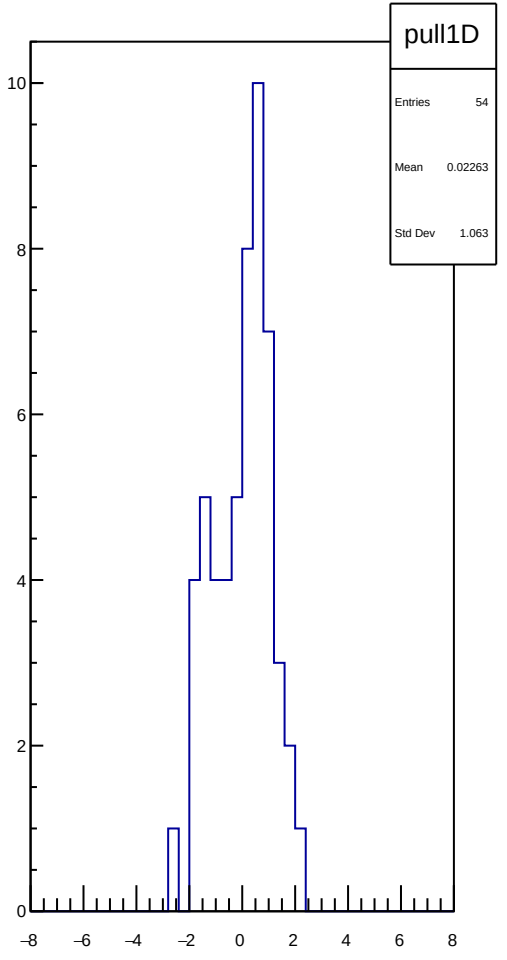

eigen_dit_asym_at1_avg_rms vs run
χ² / ndf 1883 / 53
p0 1877 ± 1.849
2100
2050
2000
1950
1900
1850
1800
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

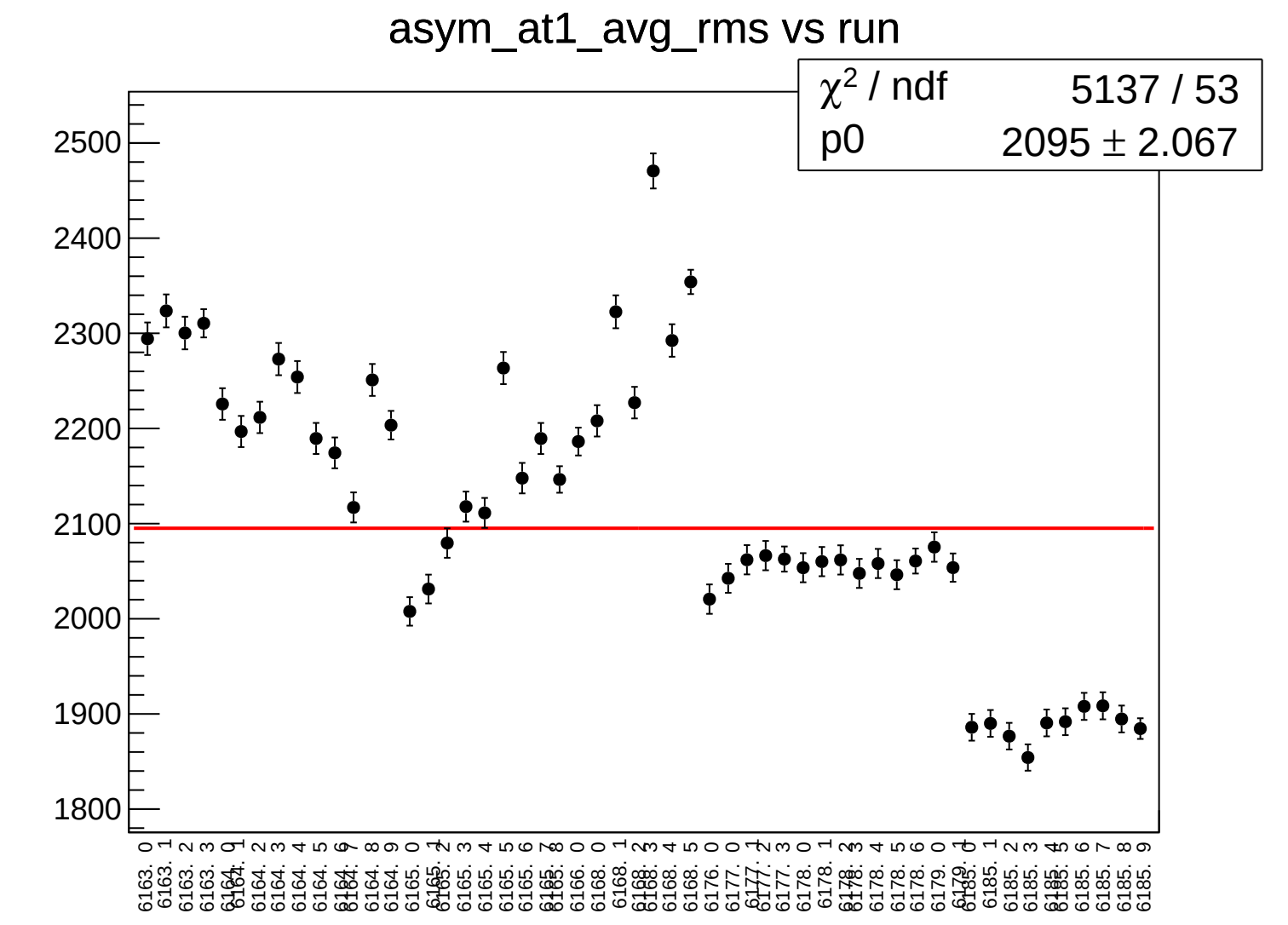

asym_at1_avg_eigen_dit_correction_mean vs run
χ² / ndf 61.04 / 53
p0 −813.9 ± 888.6
pull
Entries 54
Mean 5.027
Std Dev 0

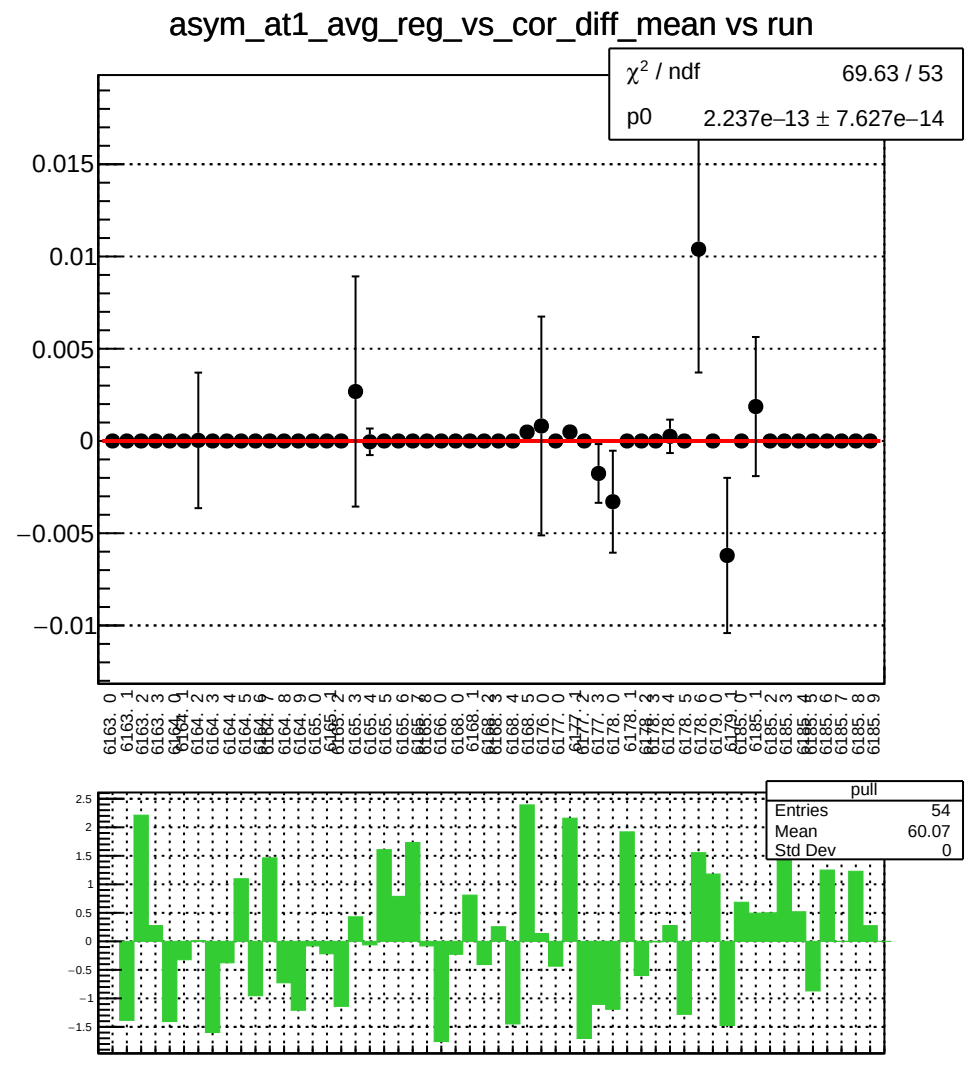

pull1D
Entries 54
Mean −0.04381
Std Dev 1.062

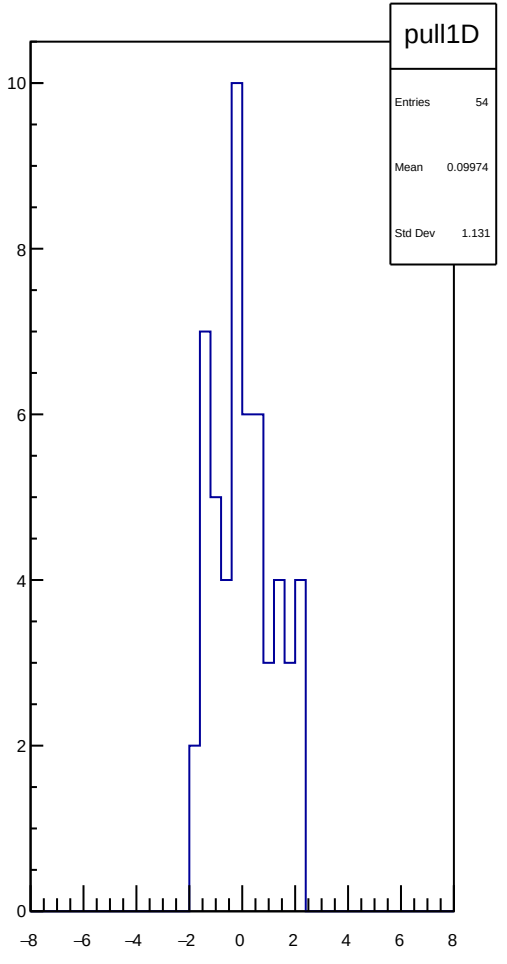

asym_at1_avg_eigen_dit_correction_rms vs run
χ² / ndf 2.095e+05 / 53
p0 570.2 ± 0.6283
1400
1200
1000
800
600
400
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

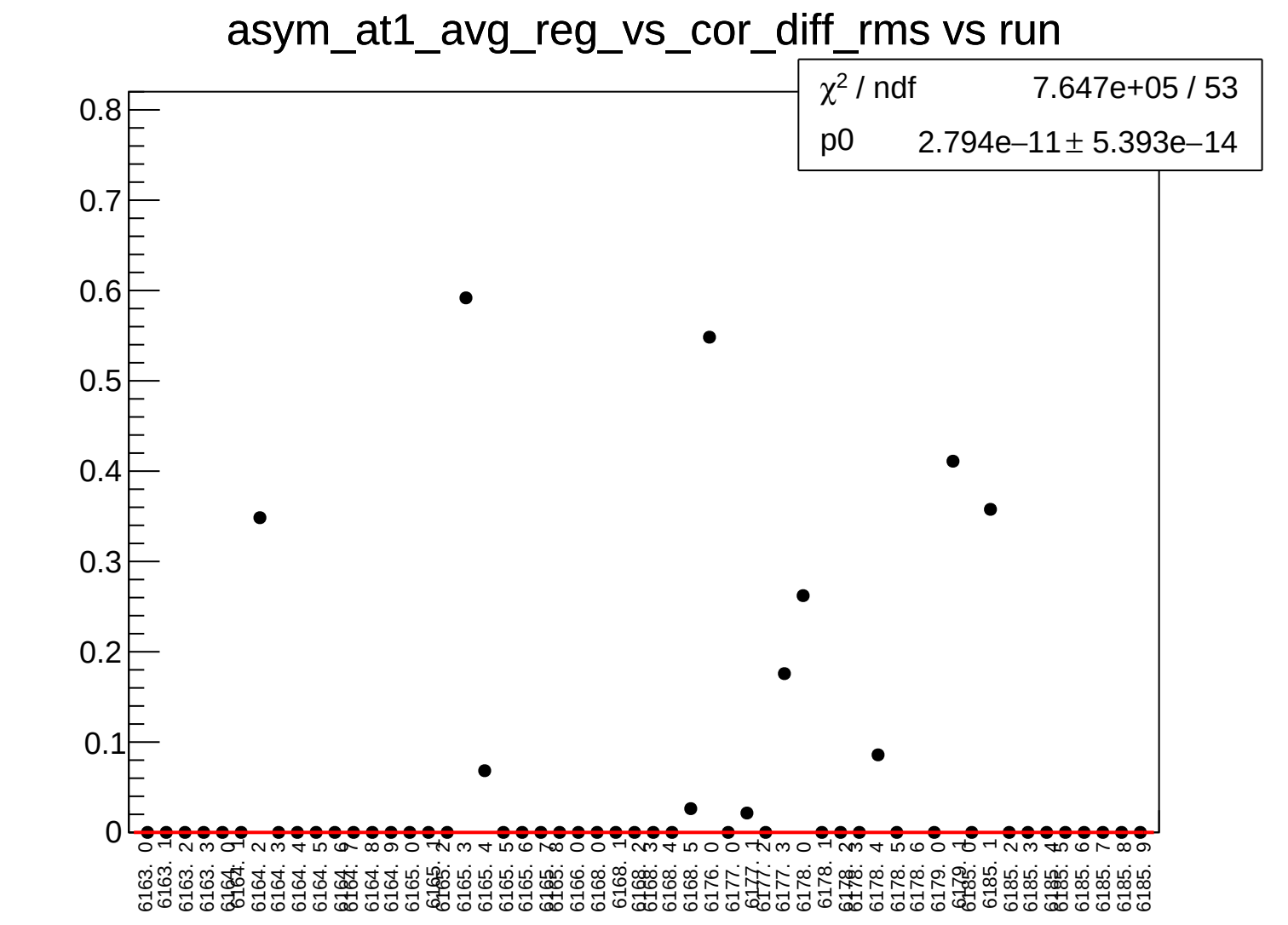

asym_at1_avg_mean vs run
χ² / ndf 61.07 / 53
p0 4431 ± 2923
pull
Entries 54
Mean −33.86
Std Dev 0

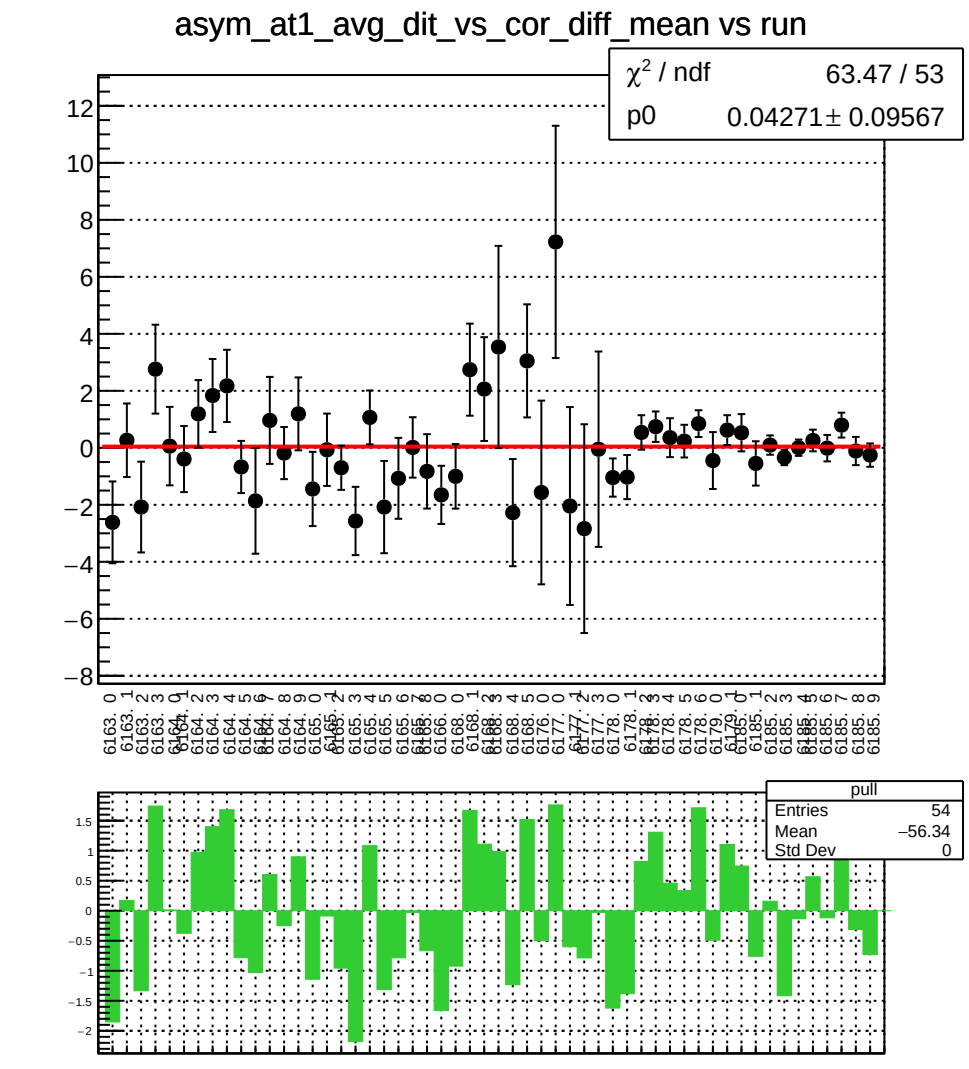

pull1D
Entries 54
Mean 0.02263
Std Dev 1.063

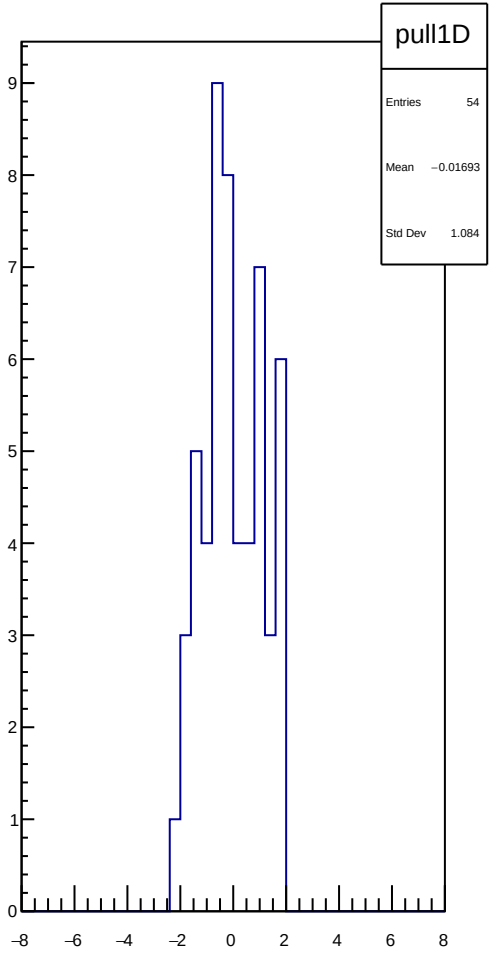

asym_at1_avg_rms vs run
χ² / ndf 5137 / 53
p0 2095 ± 2.067
2500
2400
2300
2200
2100
2000
1900
1800
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

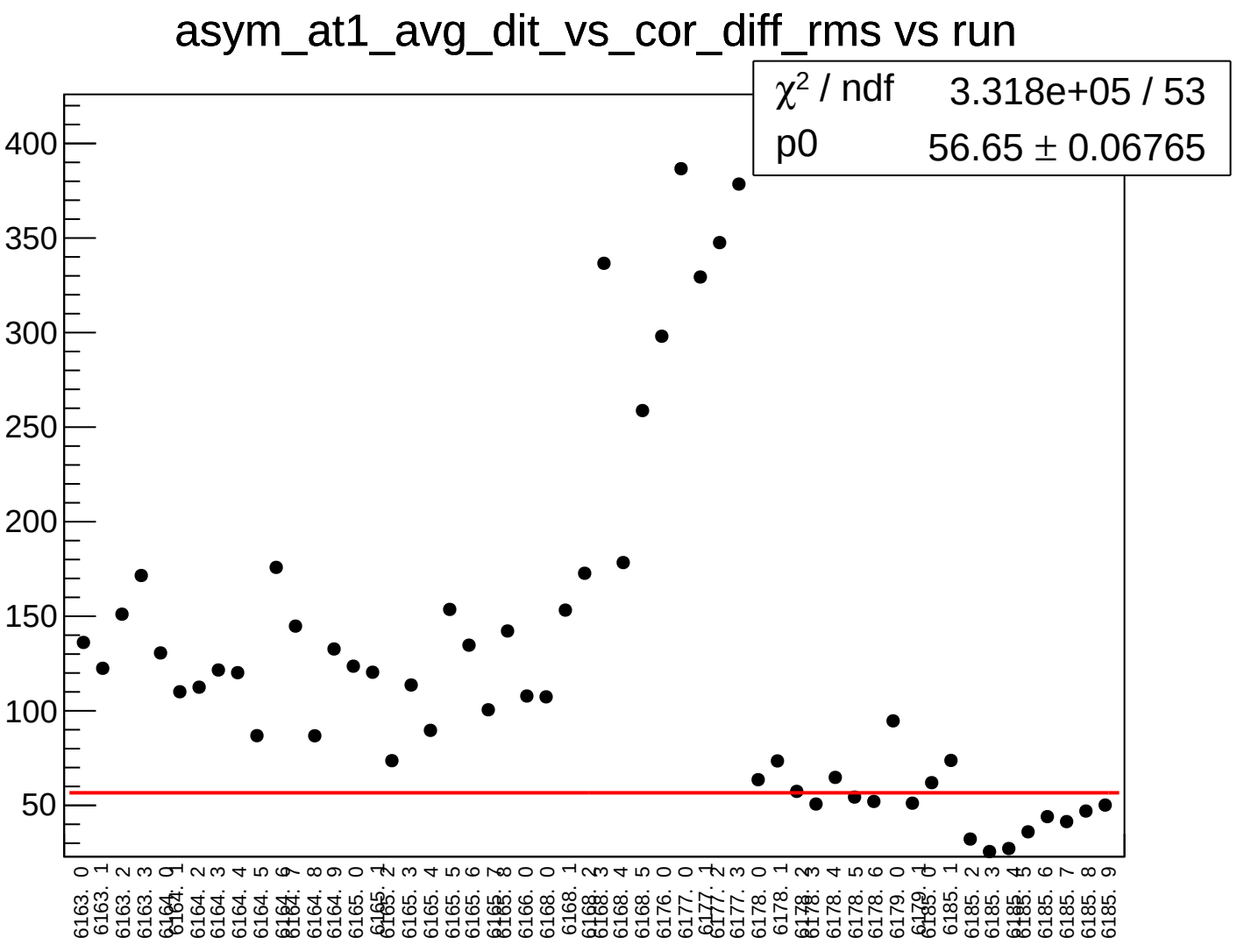

asym_at1_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 69.63 / 53
p0 2.237e−13 ± 7.627e−14
0.015
0.01
0.005
0
−0.005
−0.01
pull
Entries 54
Mean 60.07
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

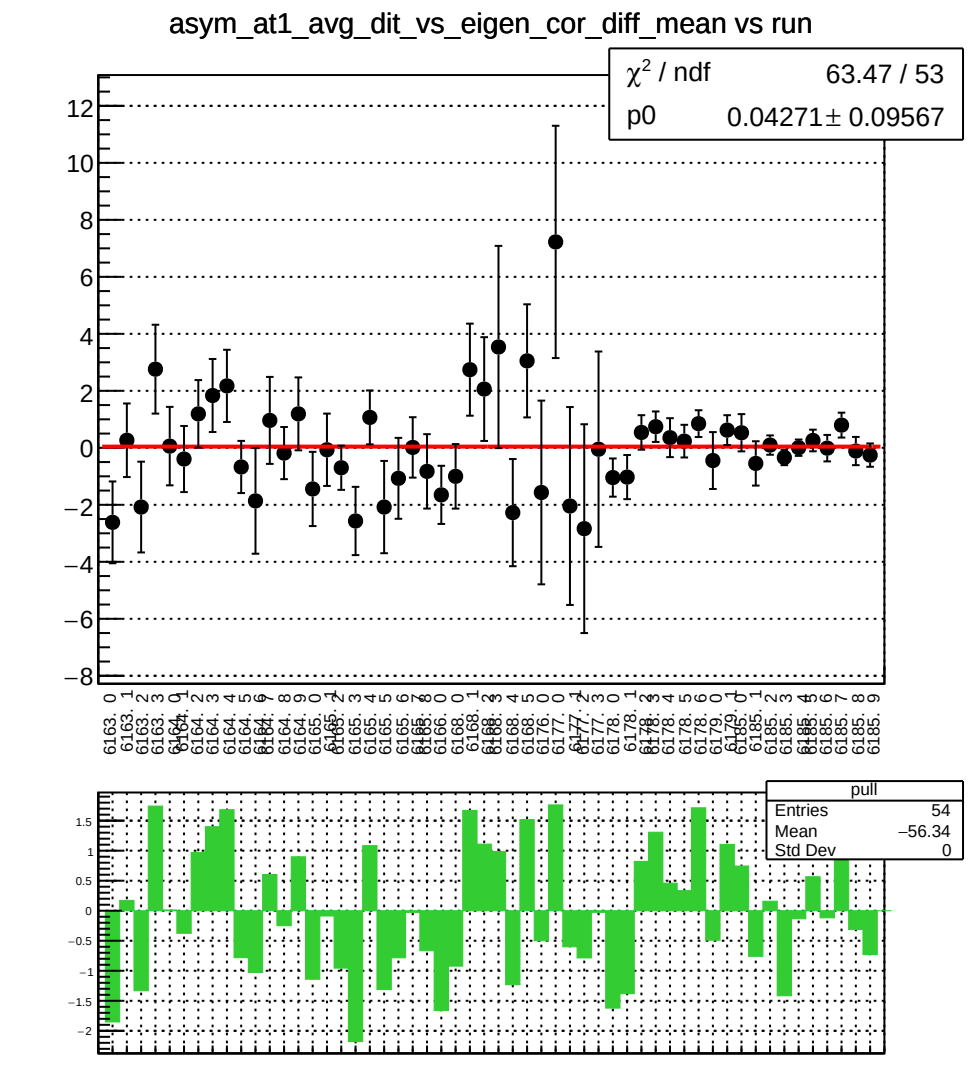

pull1D
Entries 54
Mean 0.09974
Std Dev 1.131
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

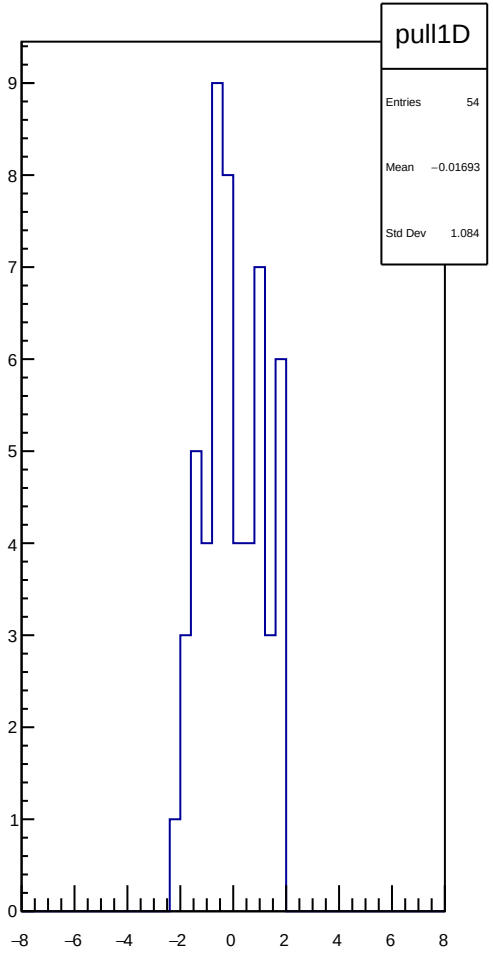

asym_at1_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 7.647e+05 / 53
p0 2.794e−11 ± 5.393e−14
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 6
6164. 7
6164. 8
6164. 9
6165. 0
6165. 1
6165. 2
6165. 3
6165. 4
6165. 5
6165. 6
6165. 7
6165. 8
6166. 0
6168. 0
6168. 1
6168. 2
6168. 3
6168. 4
6168. 5
6176. 0
6177. 0
6177. 1
6177. 2
6177. 3
6178. 0
6178. 1
6178. 2
6178. 3
6178. 4
6178. 5
6178. 6
6179. 0
6179. 1
6185. 0
6185. 1
6185. 2
6185. 3
6185. 4
6185. 5
6185. 6
6185. 7
6185. 8
6185. 9

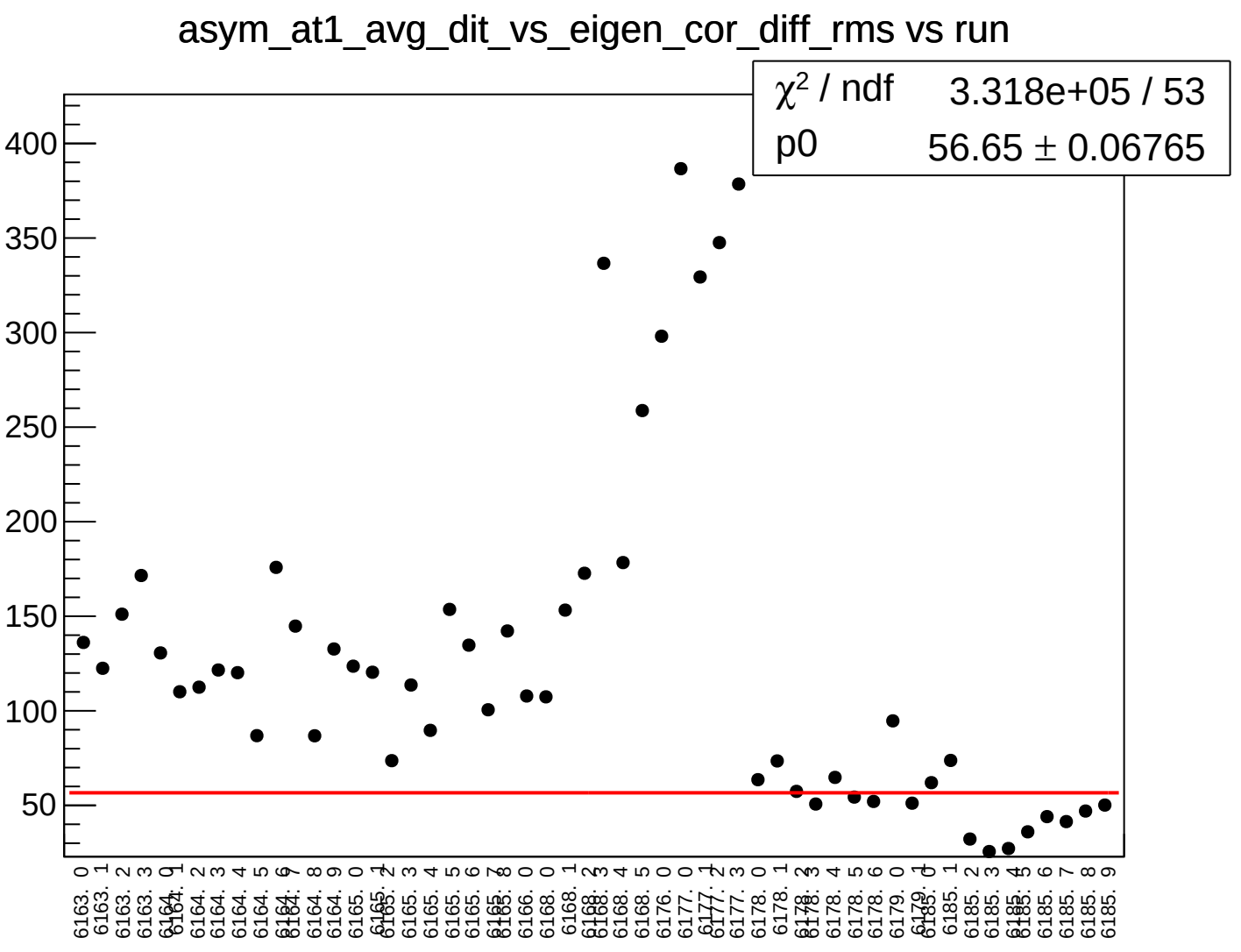

asym_at1_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 63.47 / 53
p0 0.04271± 0.09567
pull
Entries 54
Mean −56.34
Std Dev 0

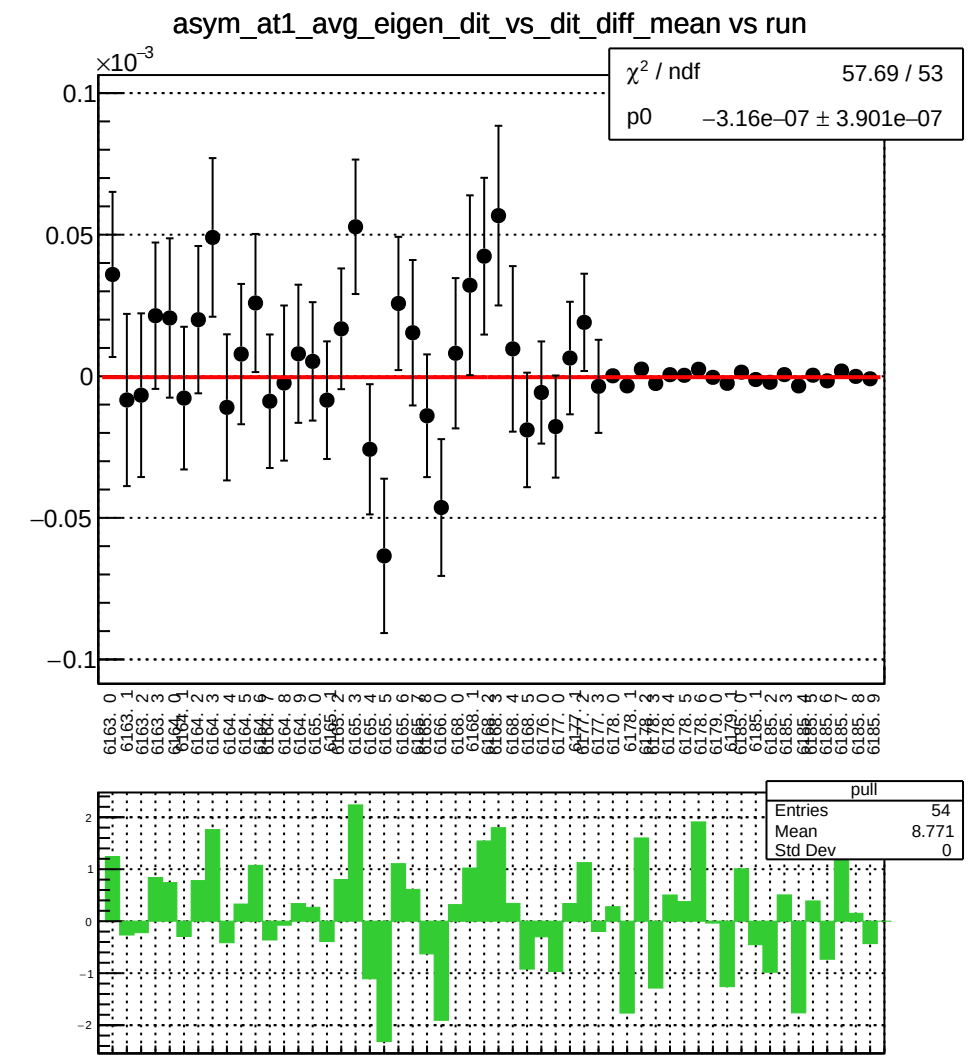

pull1D
Entries 54
Mean −0.01693
Std Dev 1.084

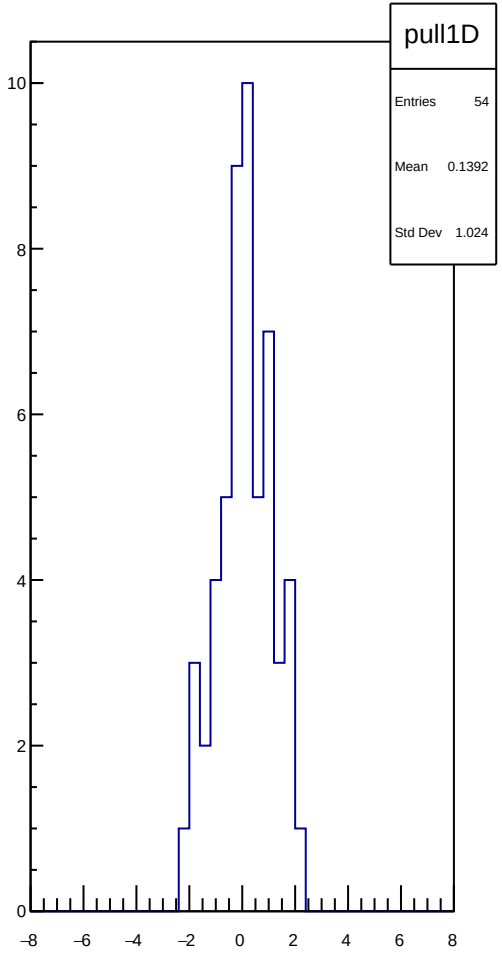

asym_at1_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 3.318e+05 / 53
p0 56.65 ± 0.06765
400
350
300
250
200
150
100
50
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

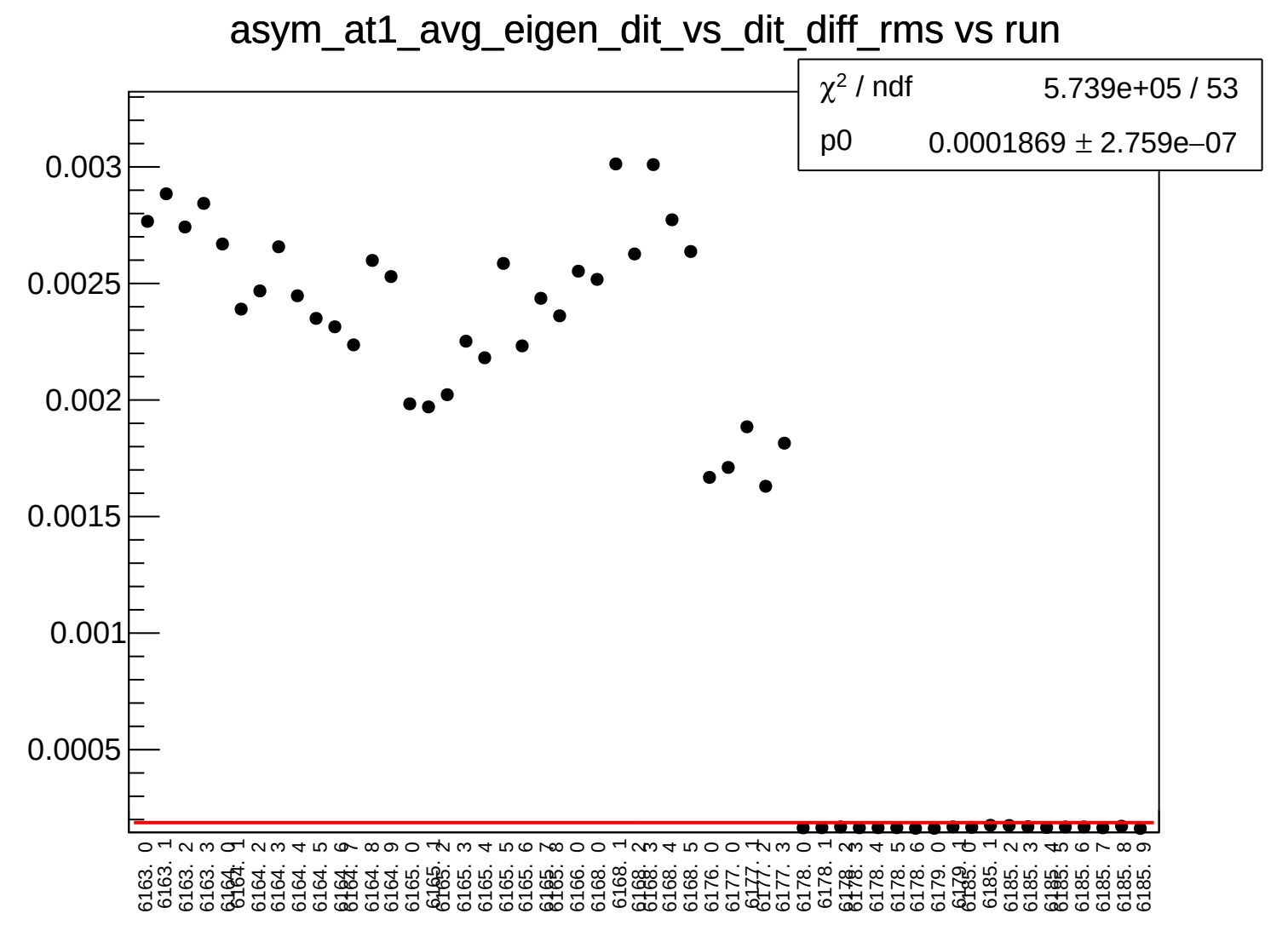

asym_at1_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 63.47 / 53
p0 0.04271± 0.09567
pull
Entries 54
Mean −56.34
Std Dev 0

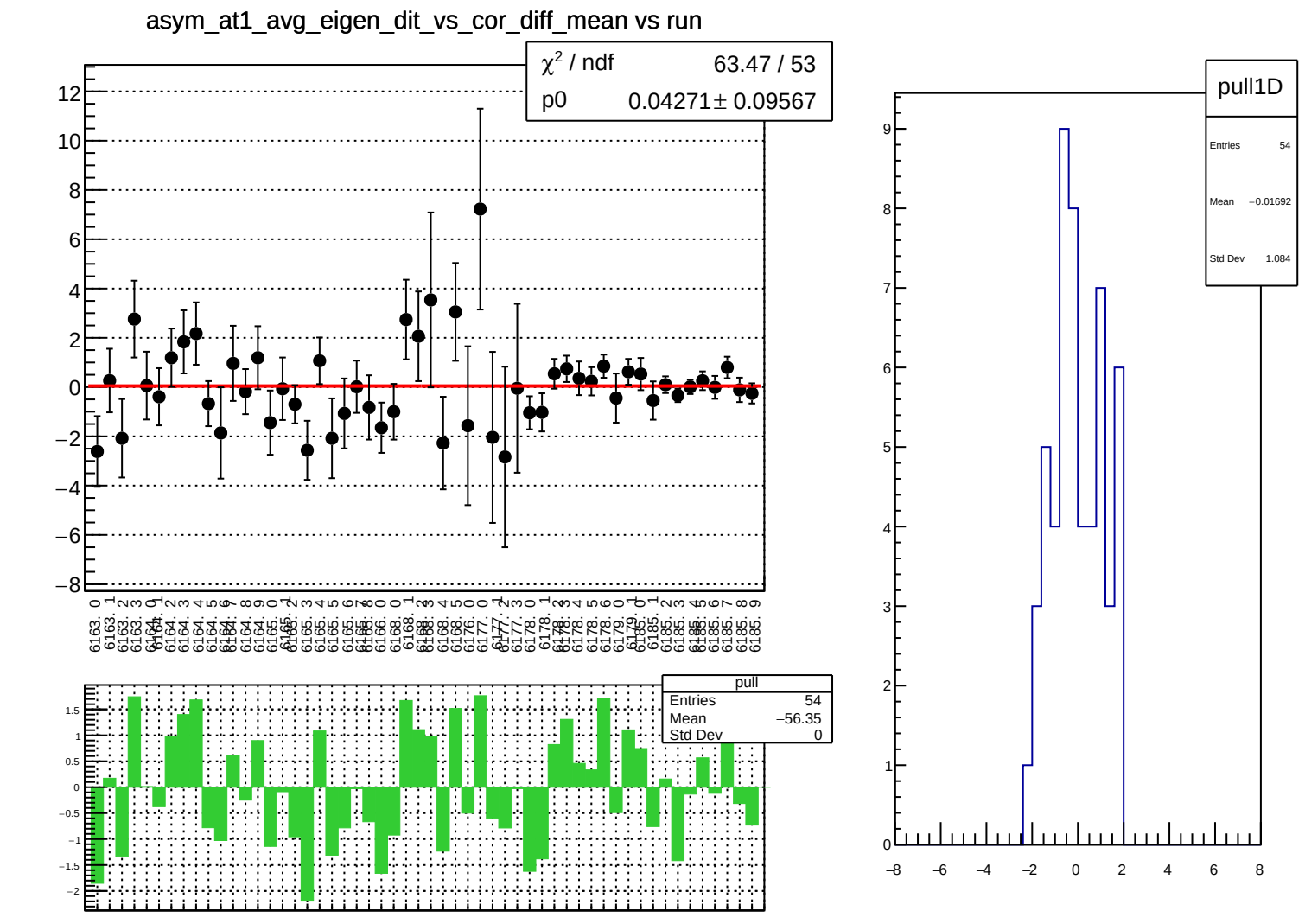

pull1D
Entries 54
Mean −0.01693
Std Dev 1.084

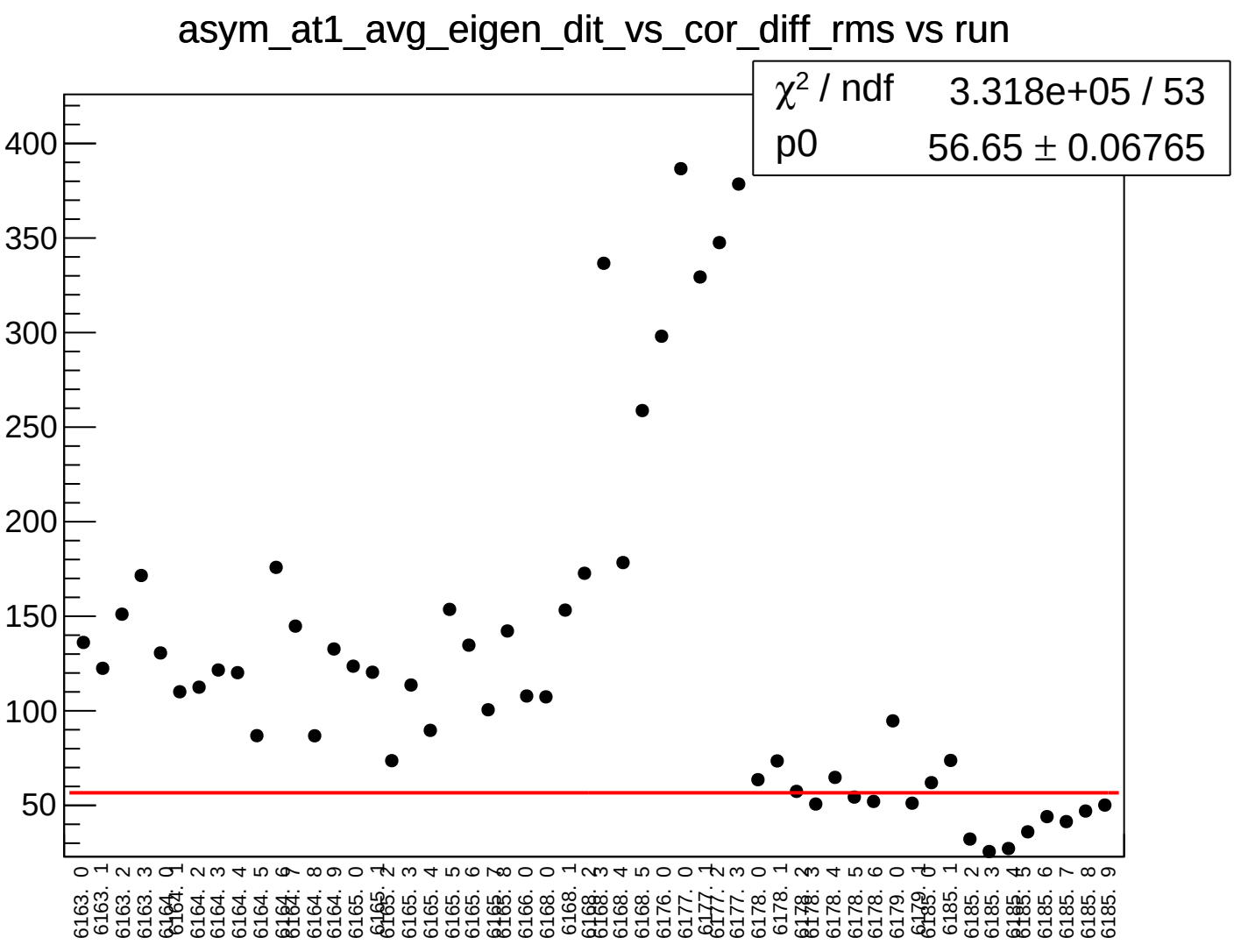

asym_at1_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.318e+05 / 53
p0 56.65 ± 0.06765
400
350
300
250
200
150
100
50
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

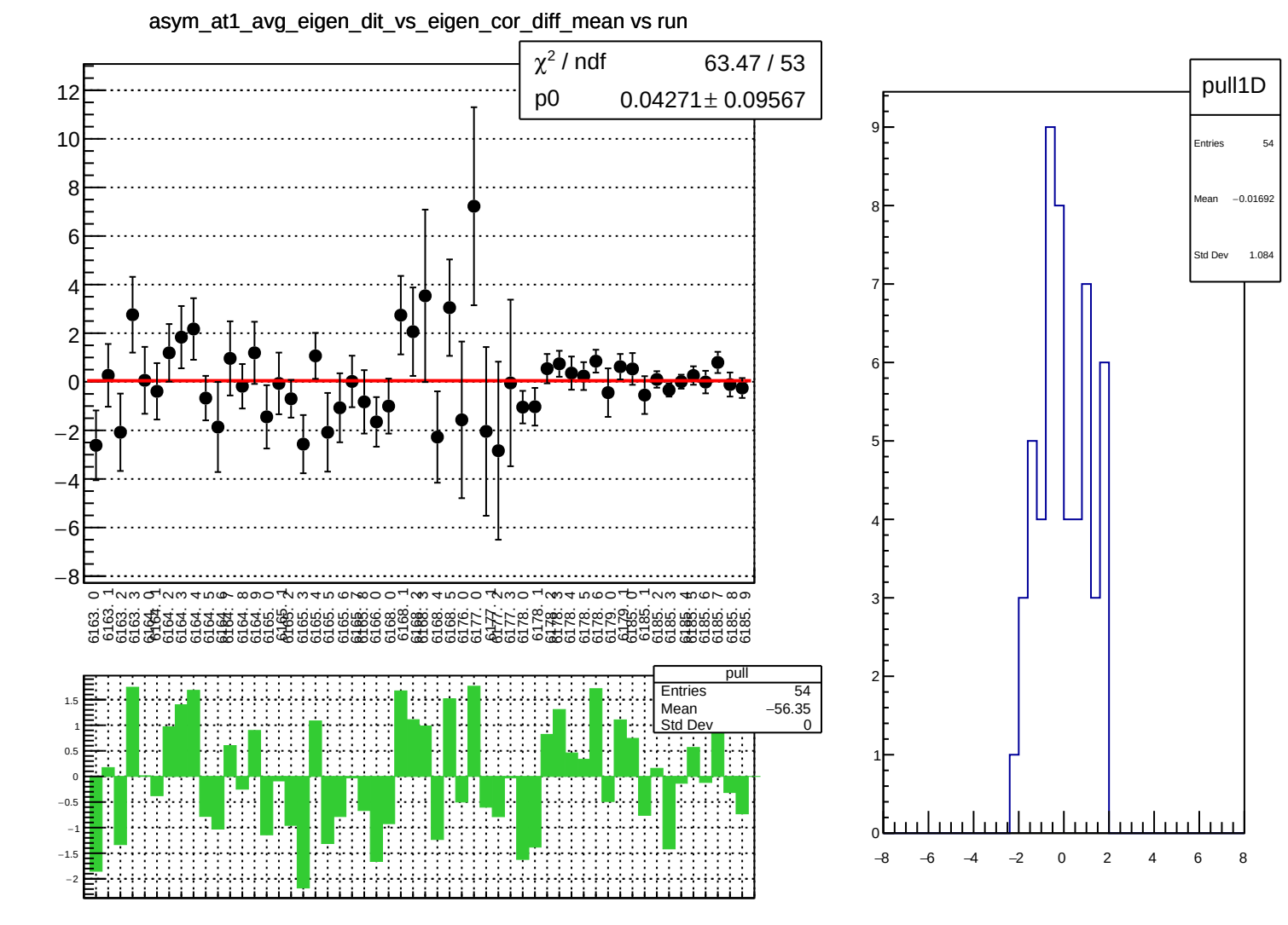

asym_at1_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 57.69 / 53
p0 −3.16e−07 ± 3.901e−07
pull
Entries 54
Mean 8.771
Std Dev 0

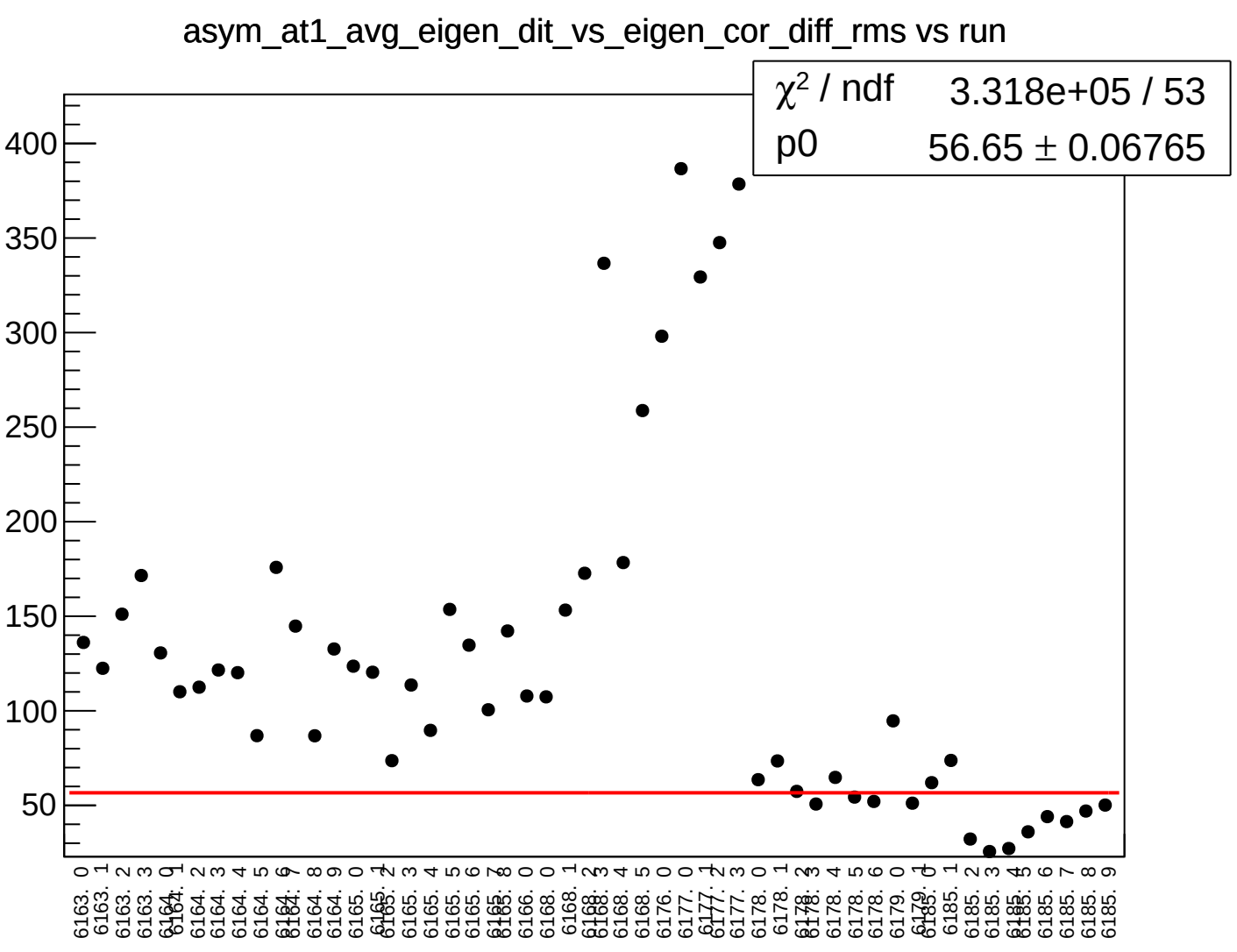

pull1D
Entries 54
Mean 0.1392
Std Dev 1.024

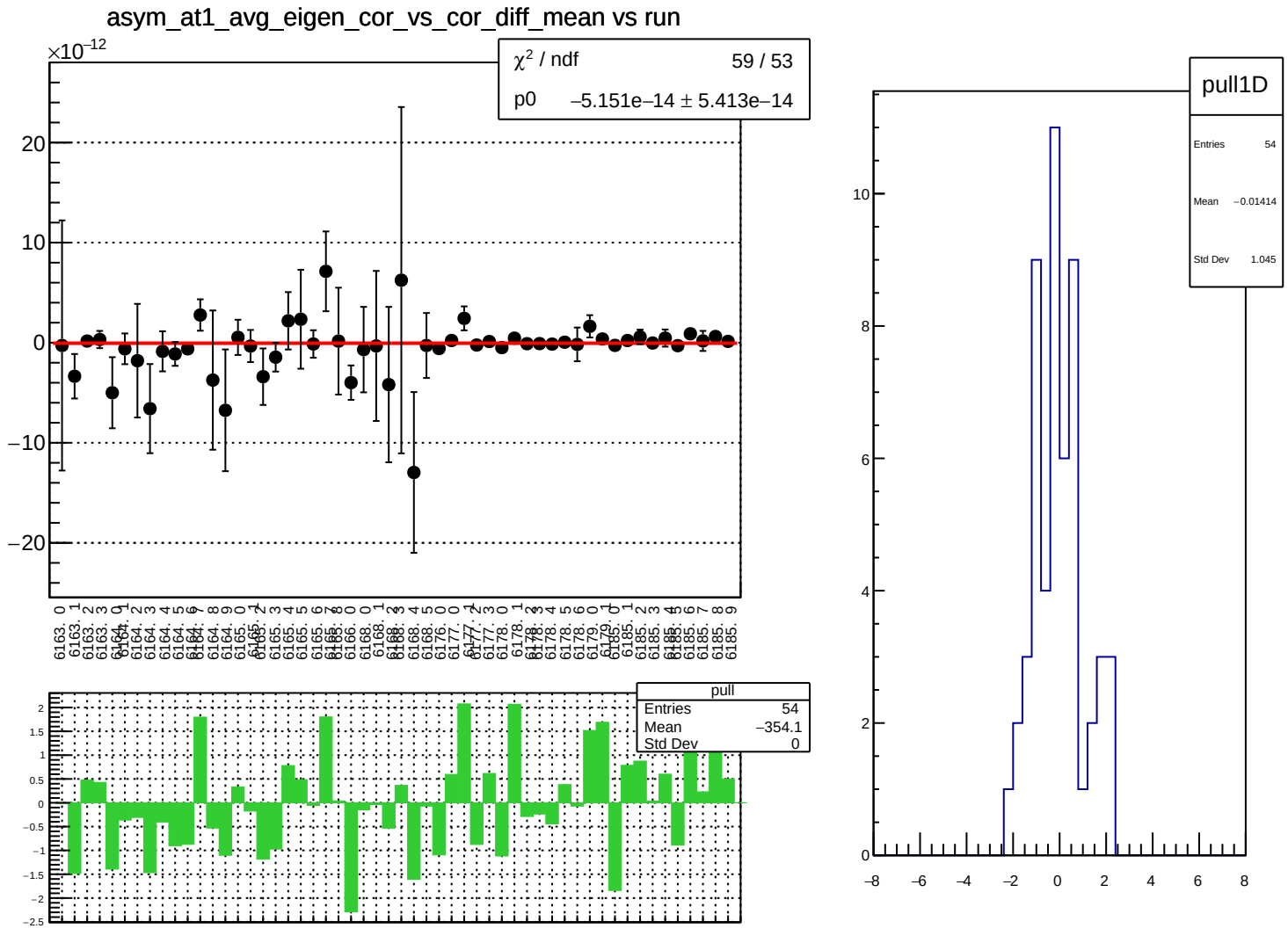

asym_at1_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5.739e+05 / 53
p0 0.0001869 ± 2.759e−07
0.003
0.0025
0.002
0.0015
0.001
0.0005
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

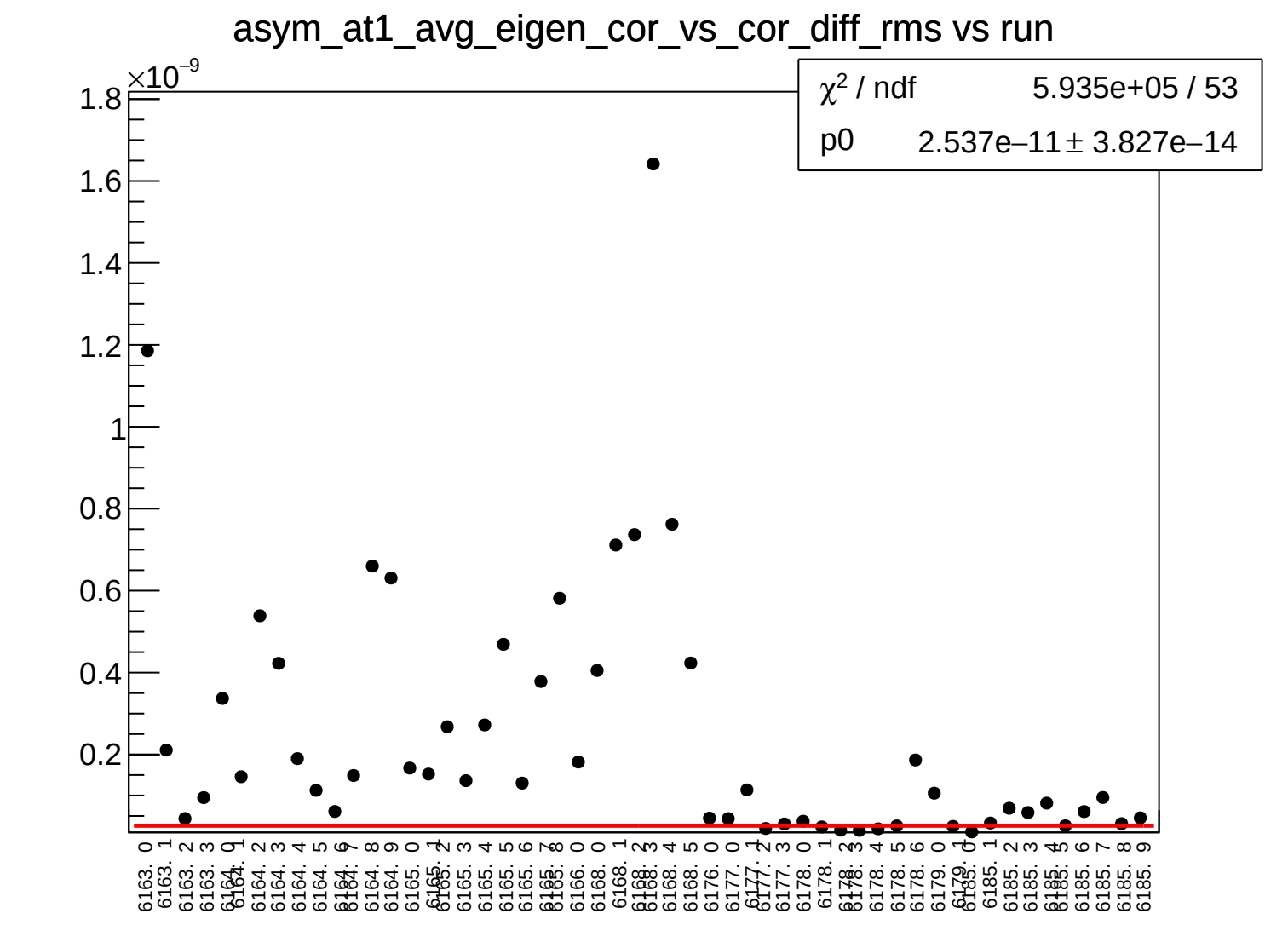

asym_at1_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 63.47 / 53
p0 0.04271± 0.09567
pull
Entries 54
Mean −56.35
Std Dev 0
pull1D
Entries 54
Mean −0.01692
Std Dev 1.084

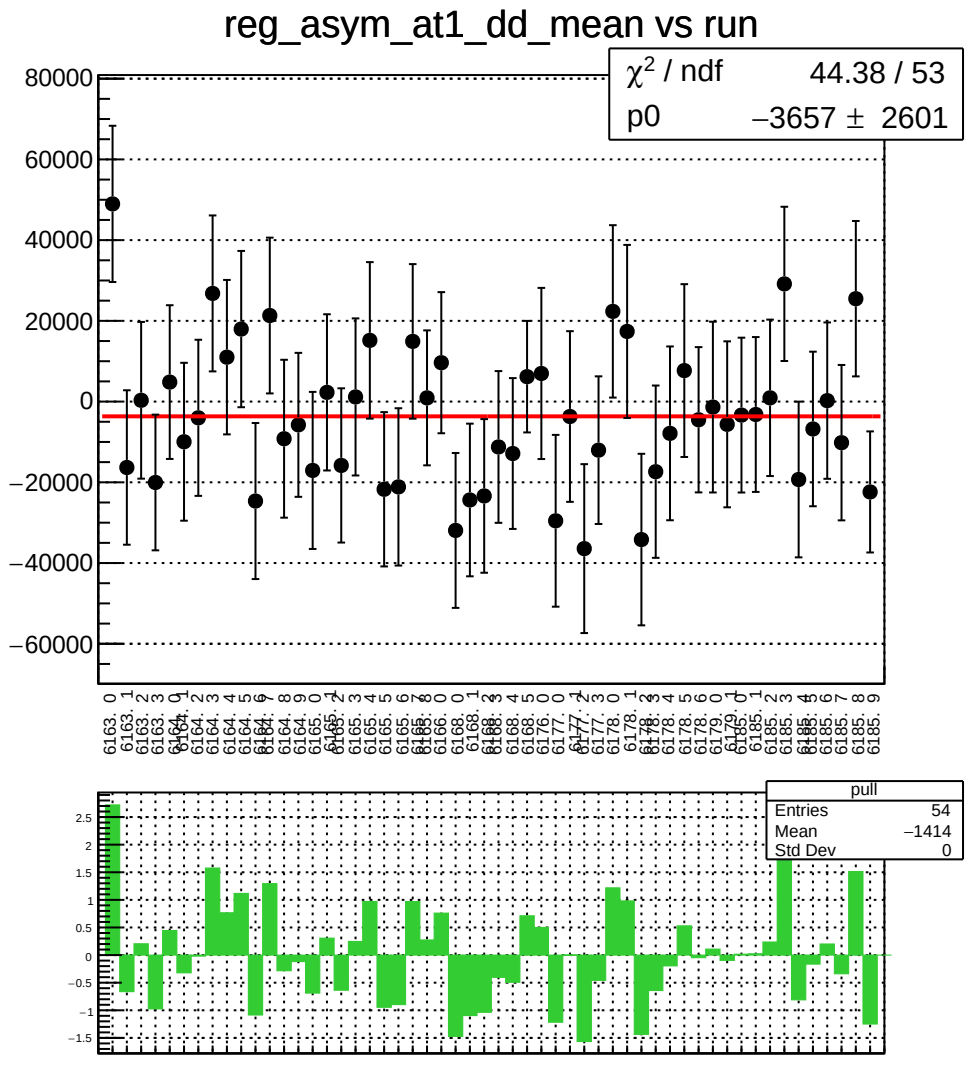

asym_at1_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.318e+05 / 53
p0 56.65 ± 0.06765
400
350
300
250
200
150
100
50
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

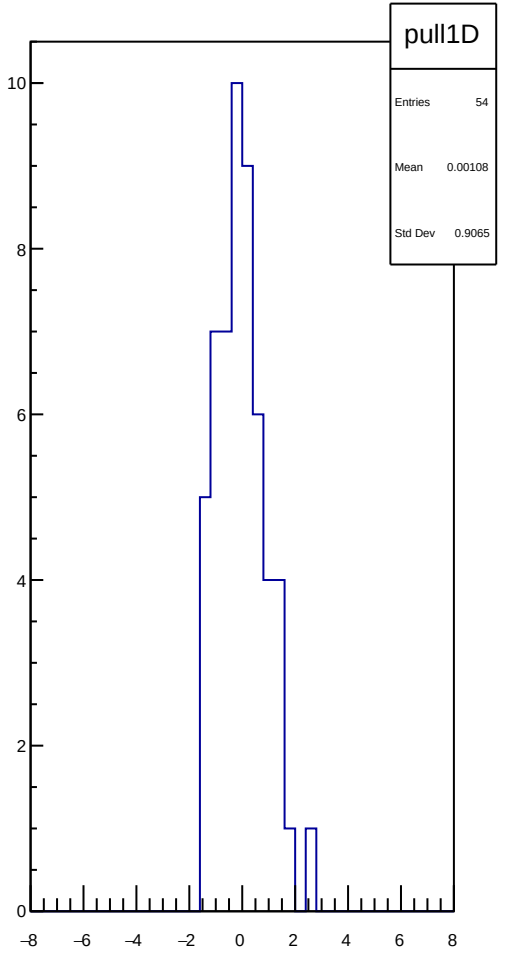

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 63.47 / 53
p0 0.04271± 0.09567
pull
Entries 54
Mean −56.35
Std Dev 0
pull1D
Entries 54
Mean −0.01692
Std Dev 1.084

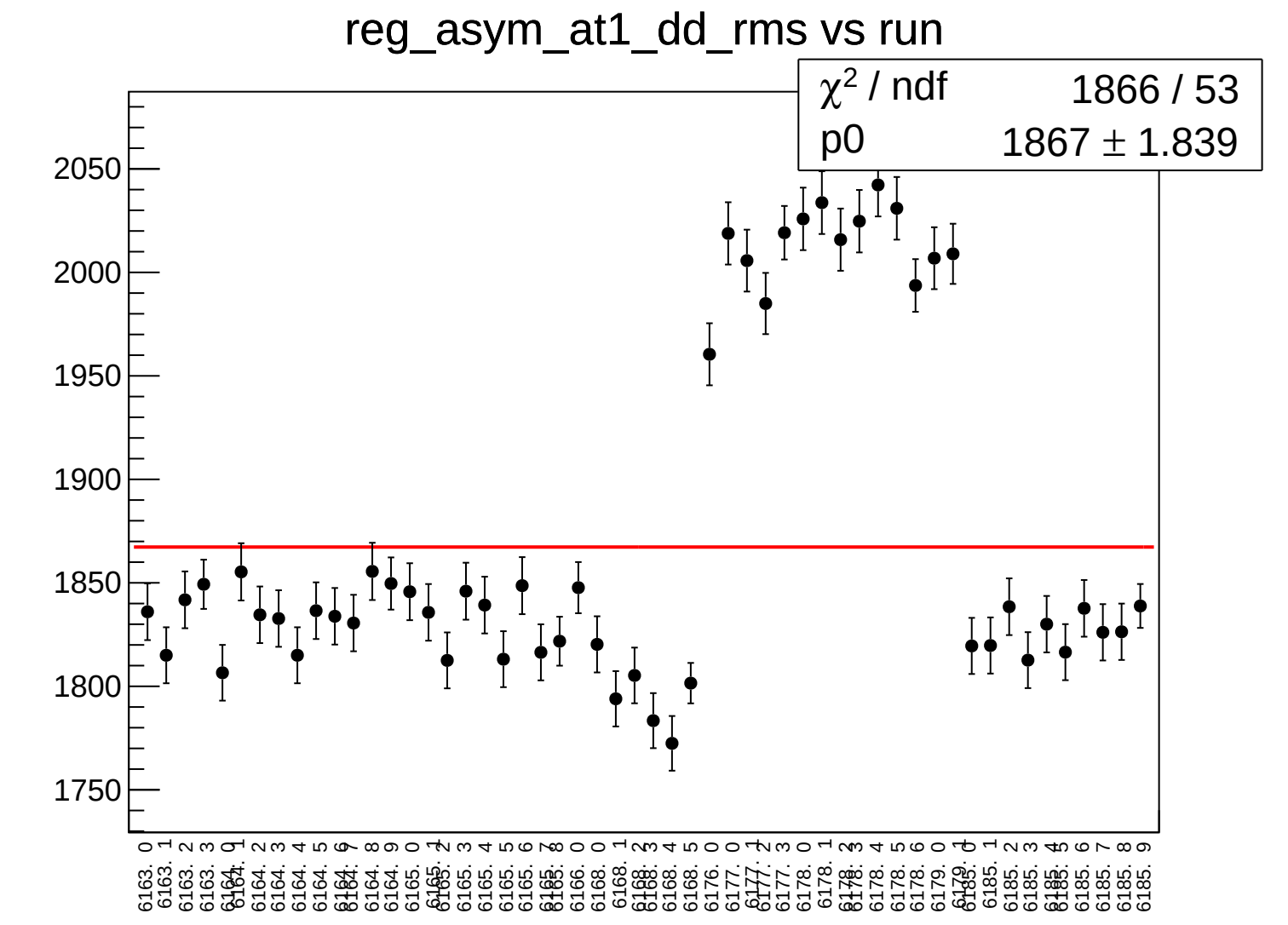

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.318e+05 / 53
p0 56.65 ± 0.06765
400
350
300
250
200
150
100
50
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

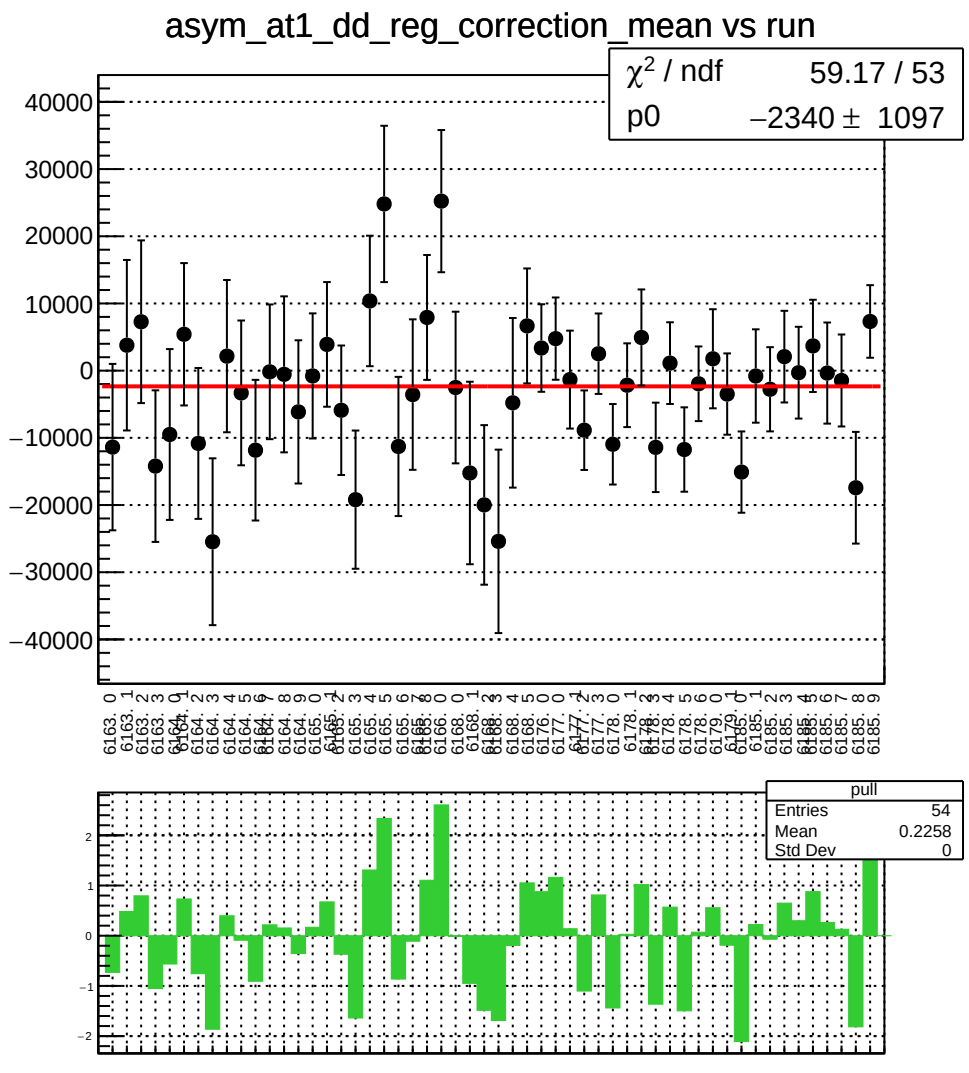

asym_at1_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 59 / 53
p0 −5.151e−14 ± 5.413e−14
pull
Entries 54
Mean −354.1
Std Dev 0
pull1D
Entries 54
Mean −0.01414
Std Dev 1.045

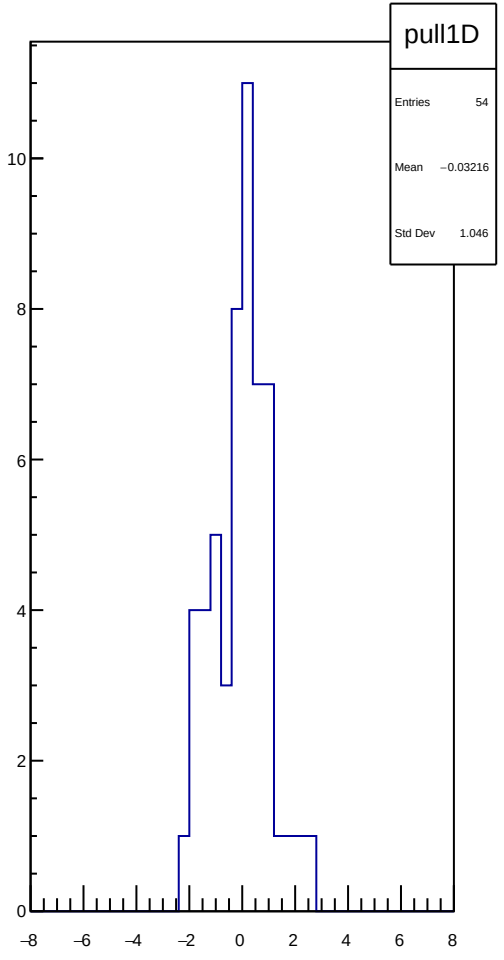

asym_at1_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.935e+05 / 53
p0 2.537e−11 ± 3.827e−14
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

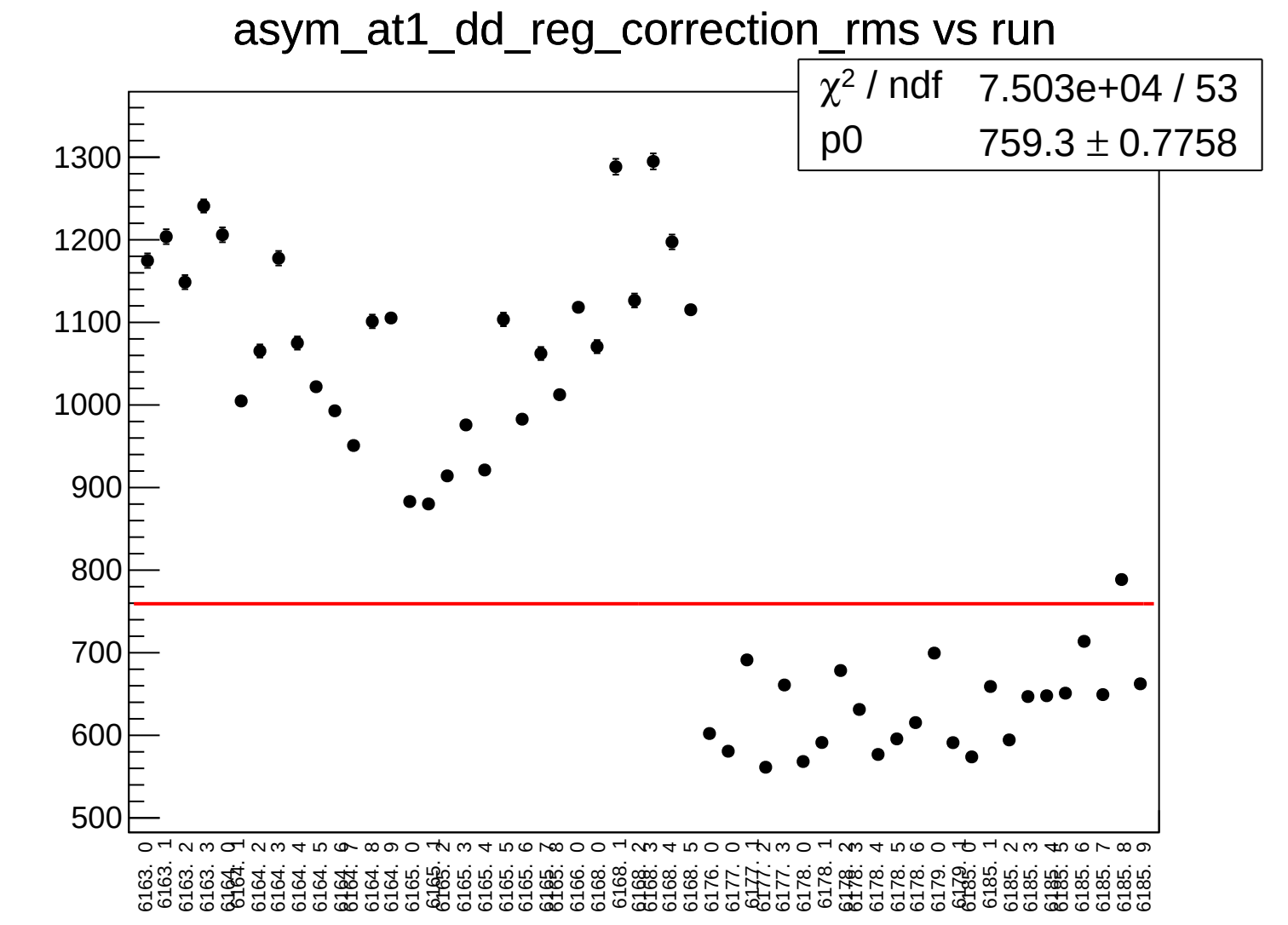

reg_asym_at1_dd_mean vs run
χ² / ndf 44.38 / 53
p0 −3657 ± 2601
pull
Entries 54
Mean −1414
Std Dev 0

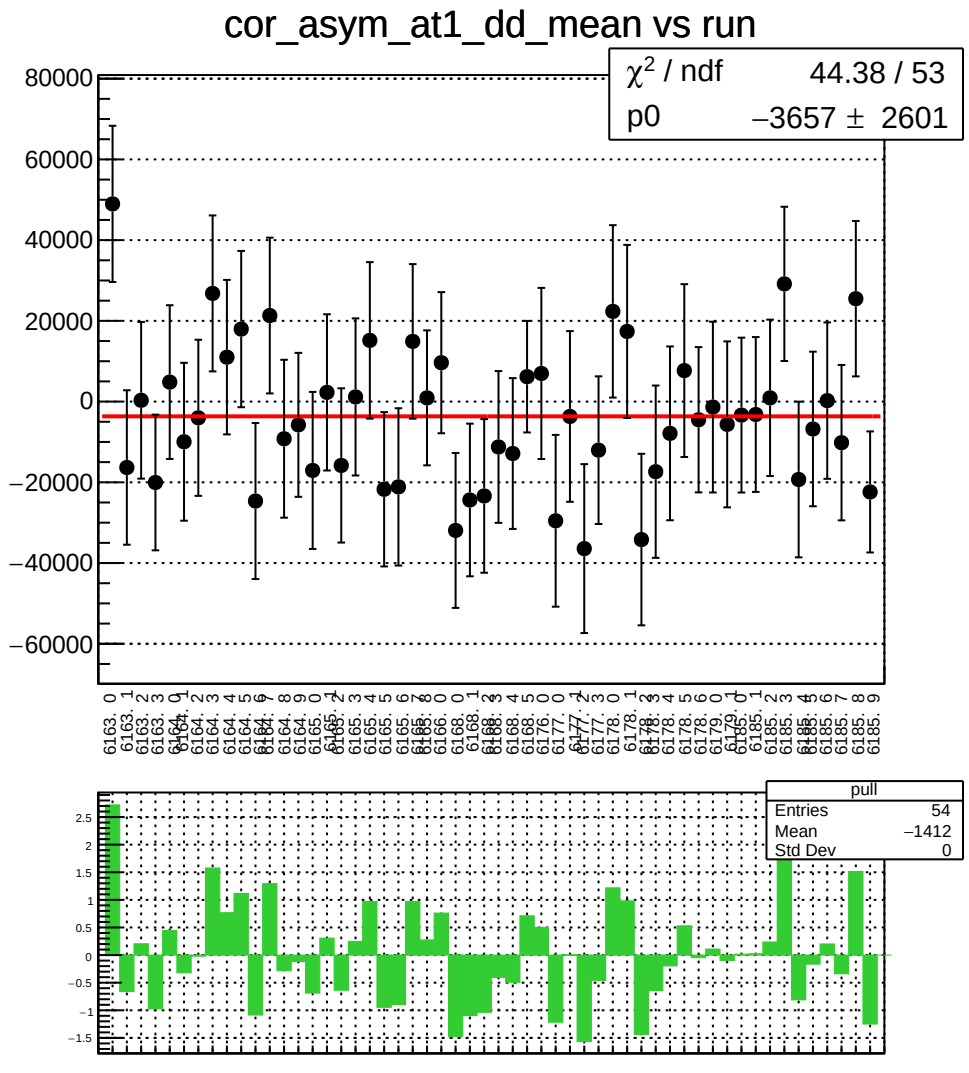

pull1D
Entries 54
Mean 0.00108
Std Dev 0.9065

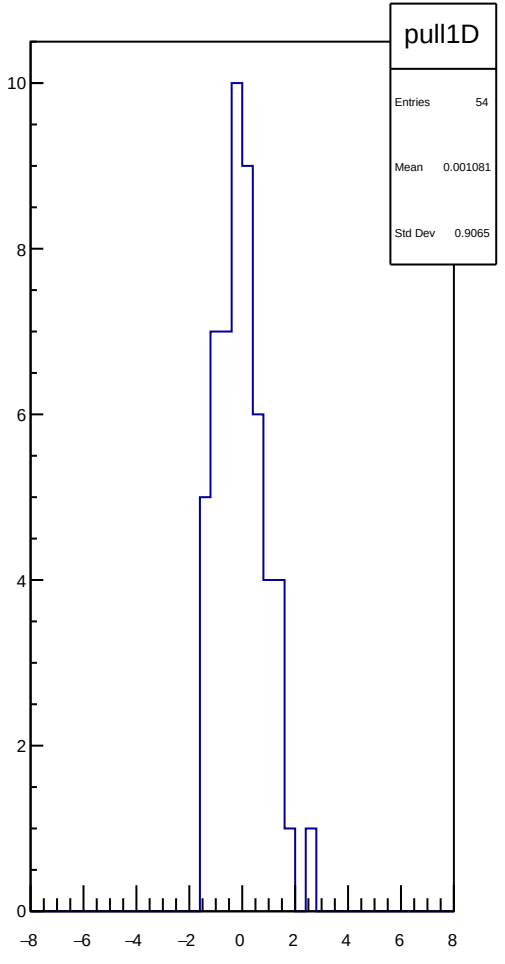

reg_asym_at1_dd_rms vs run
χ^2 / ndf 1866 / 53
p0 1867 ± 1.839
2050
2000
1950
1900
1850
1800
1750
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

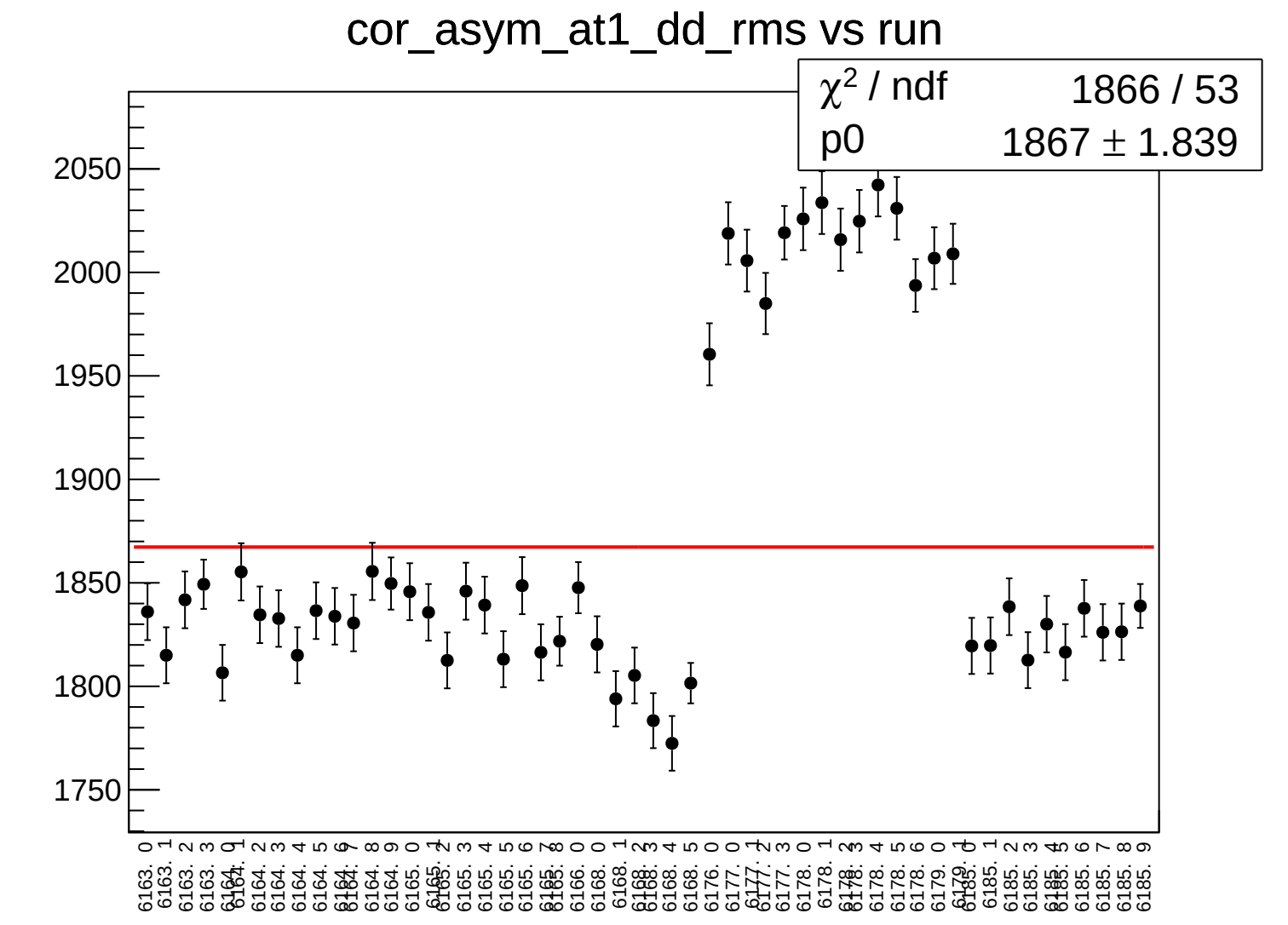

asym_at1_dd_reg_correction_mean vs run
χ² / ndf 59.17 / 53
p0 −2340 ± 1097
pull
Entries 54
Mean 0.2258
Std Dev 0

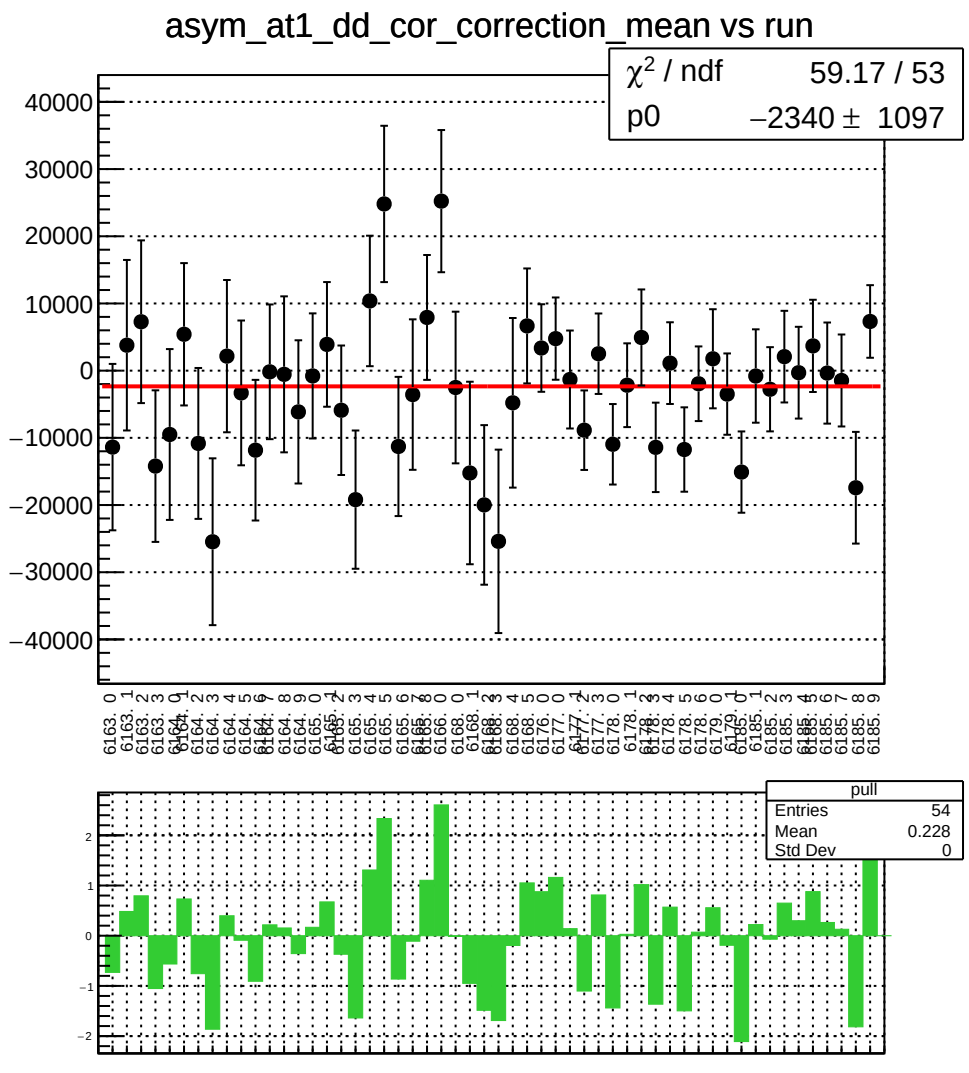

pull1D
Entries 54
Mean −0.03216
Std Dev 1.046

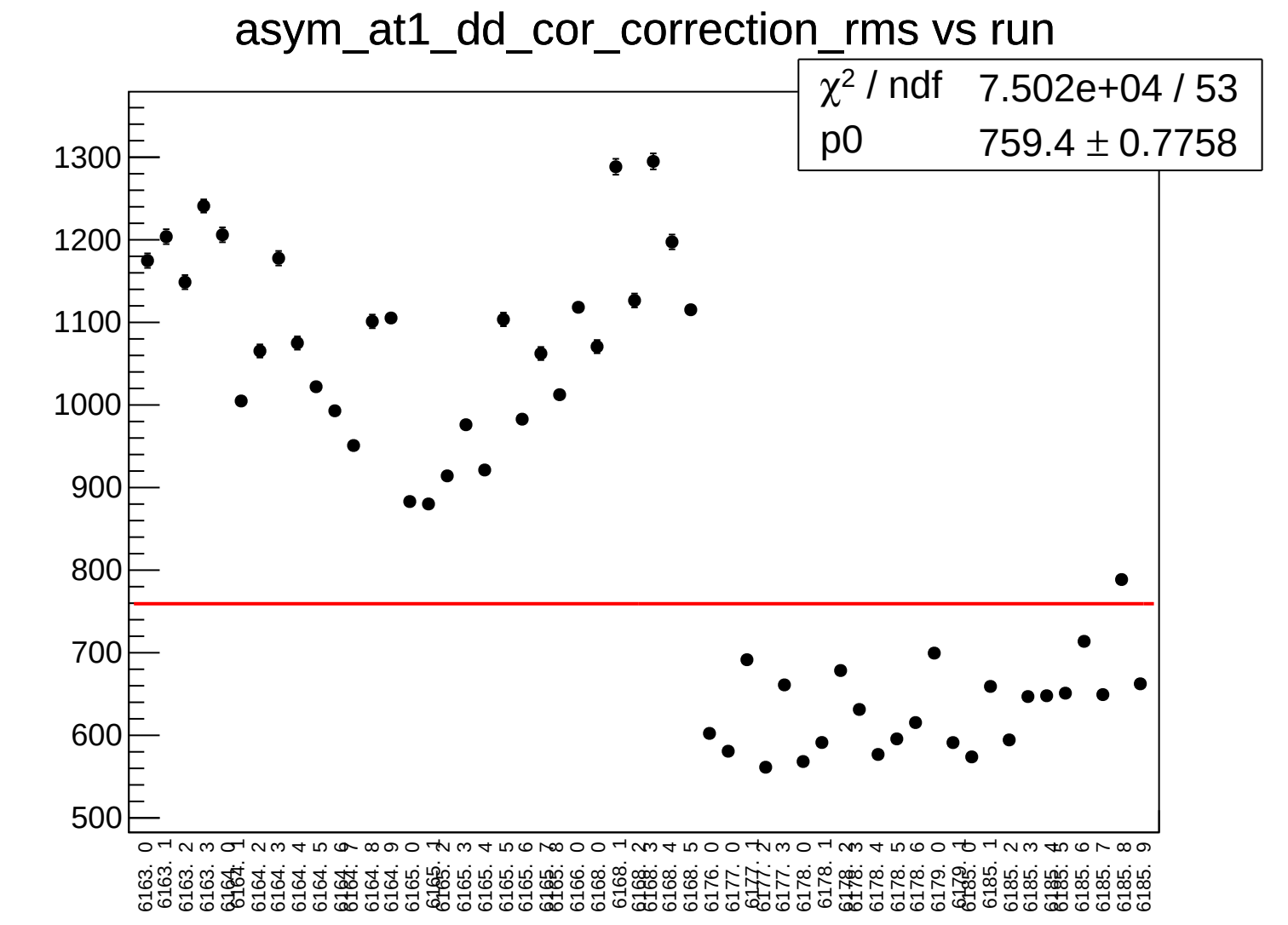

asym_at1_dd_reg_correction_rms vs run
χ² / ndf 7.503e+04 / 53
p0 759.3 ± 0.7758
1300
1200
1100
1000
900
800
700
600
500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


cor_asym_at1_dd_mean vs run
χ² / ndf 44.38 / 53
p0 −3657 ± 2601
pull
Entries 54
Mean −1412
Std Dev 0


pull1D
Entries 54
Mean 0.001081
Std Dev 0.9065


cor_asym_at1_dd_rms vs run
χ² / ndf 1866 / 53
p0 1867 ± 1.839
2050
2000
1950
1900
1850
1800
1750
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


asym_at1_dd_cor_correction_mean vs run
χ² / ndf 59.17 / 53
p0 −2340 ± 1097
pull
Entries 54
Mean 0.228
Std Dev 0
pull1D
Entries 54
Mean −0.03215
Std Dev 1.046


asym_at1_dd_cor_correction_rms vs run
χ² / ndf 7.502e+04 / 53
p0 759.4 ± 0.7758
1300
1200
1100
1000
900
800
700
600
500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
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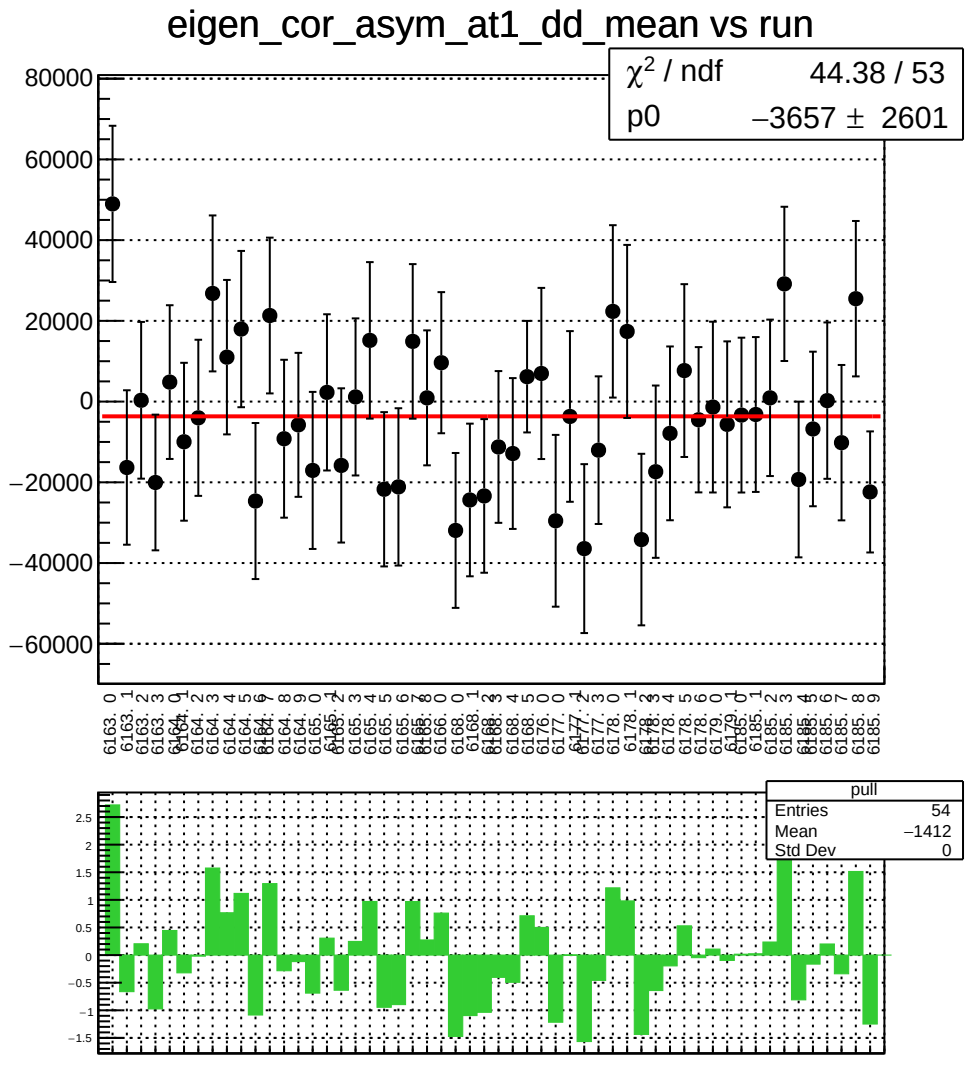
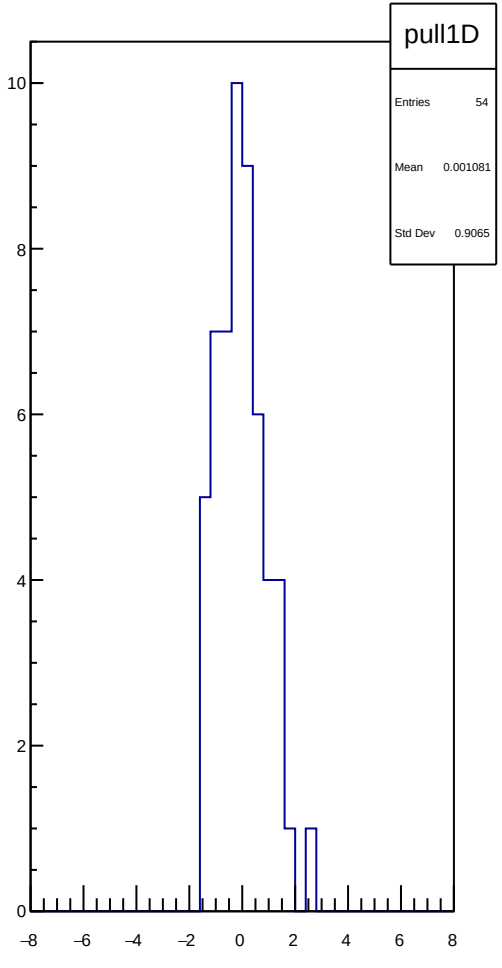
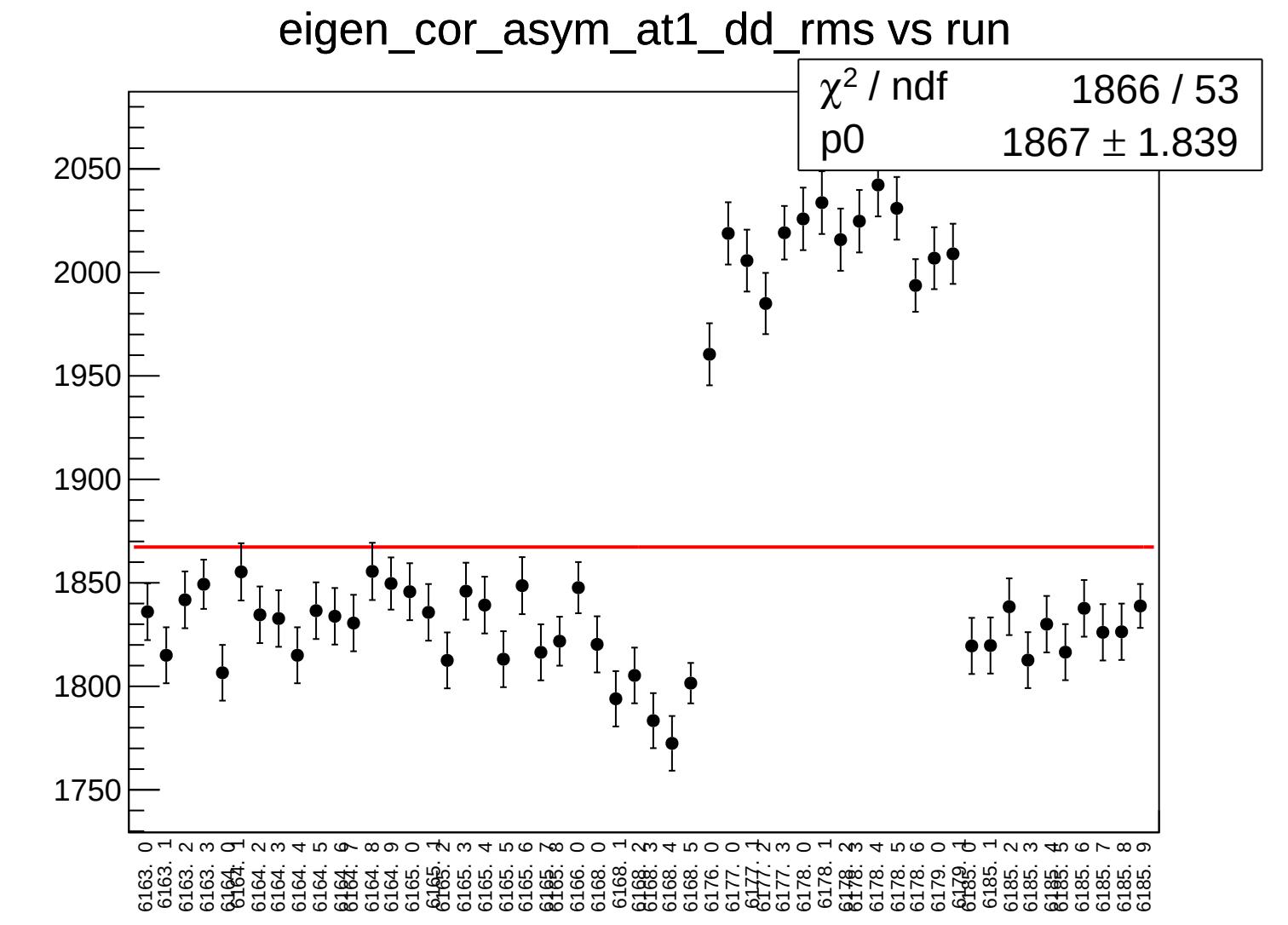
6185. 8
6185. 9


eigen_cor_asym_at1_dd_mean vs run
χ² / ndf 44.38 / 53
p0 −3657 ± 2601
pull
Entries 54
Mean −1412
Std Dev 0


pull1D
Entries 54
Mean 0.001081
Std Dev 0.9065


eigen_cor_asym_at1_dd_rms vs run
χ² / ndf 1866 / 53
p0 1867 ± 1.839
2050
2000
1950
1900
1850
1800
1750
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
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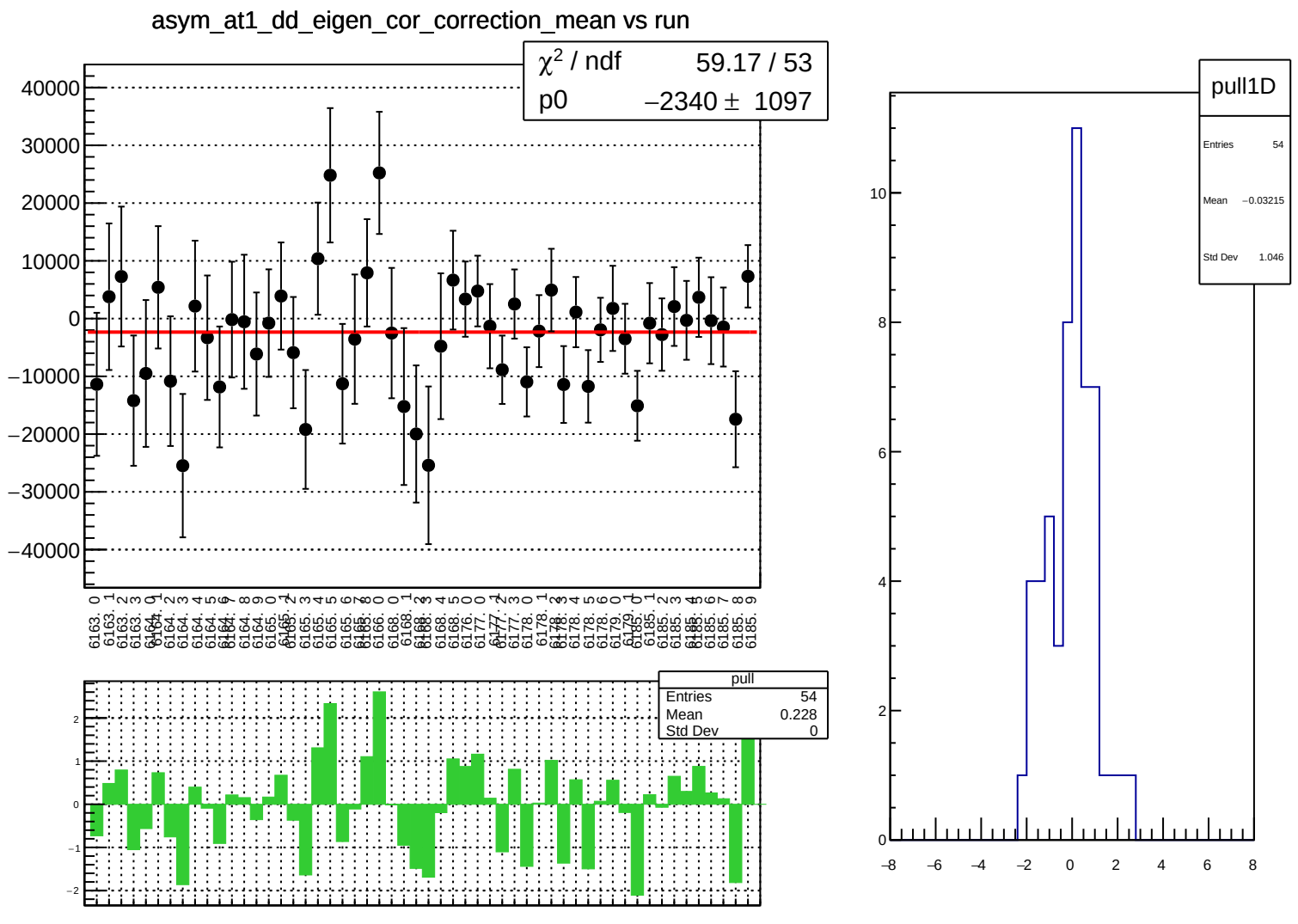
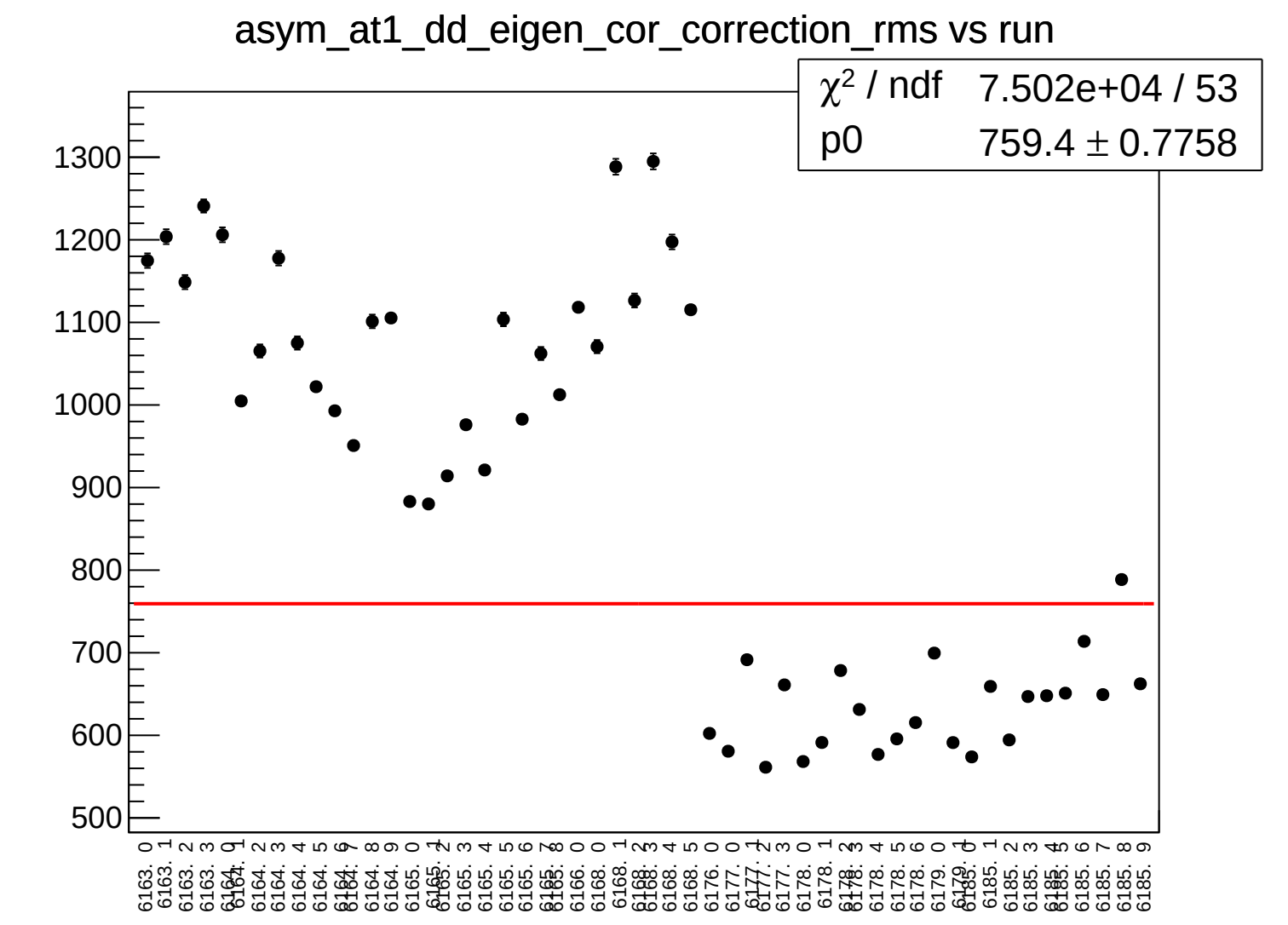
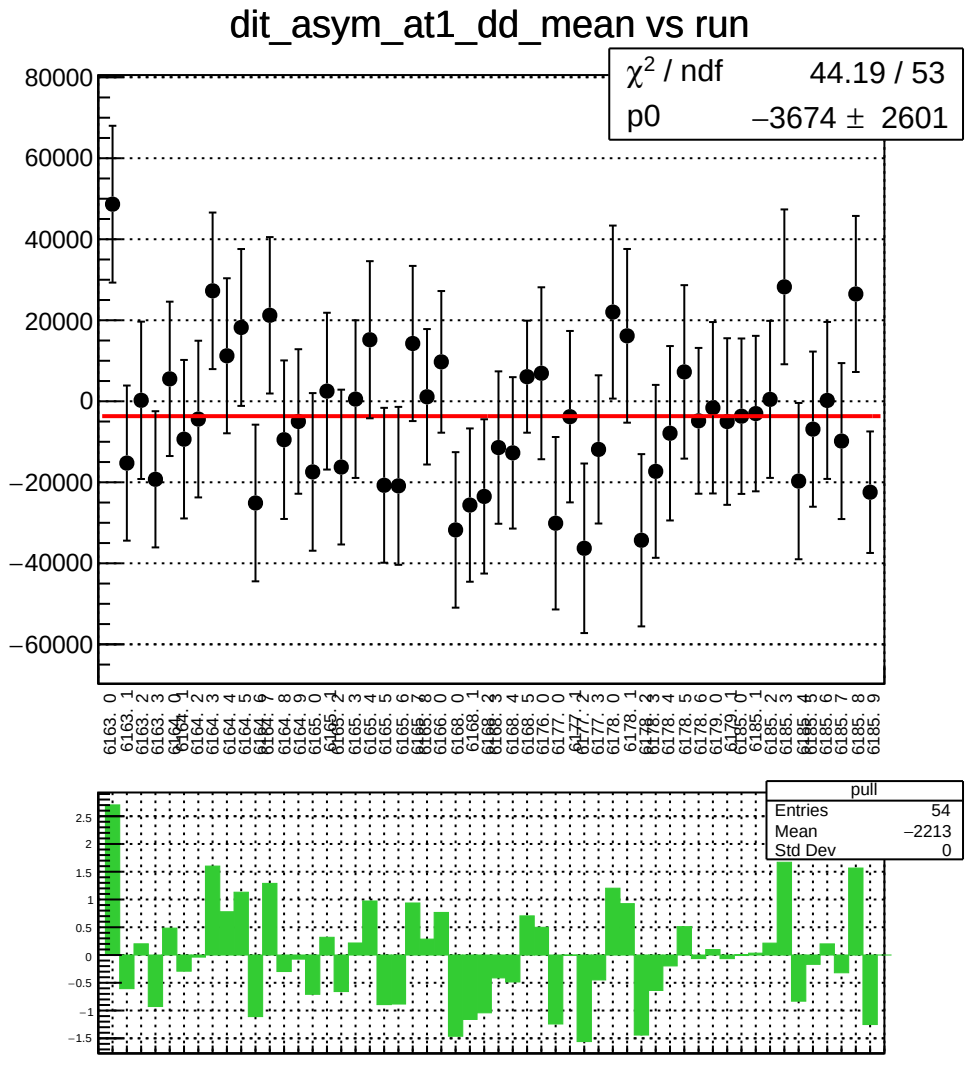
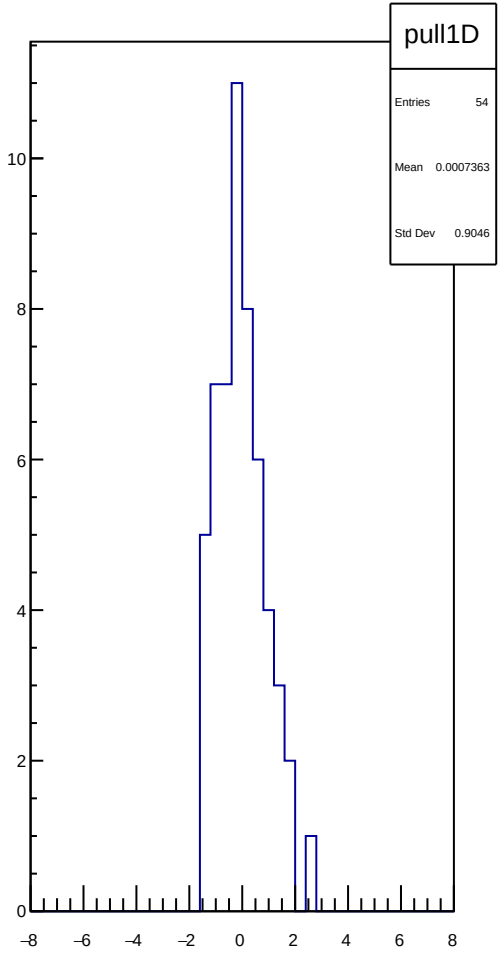
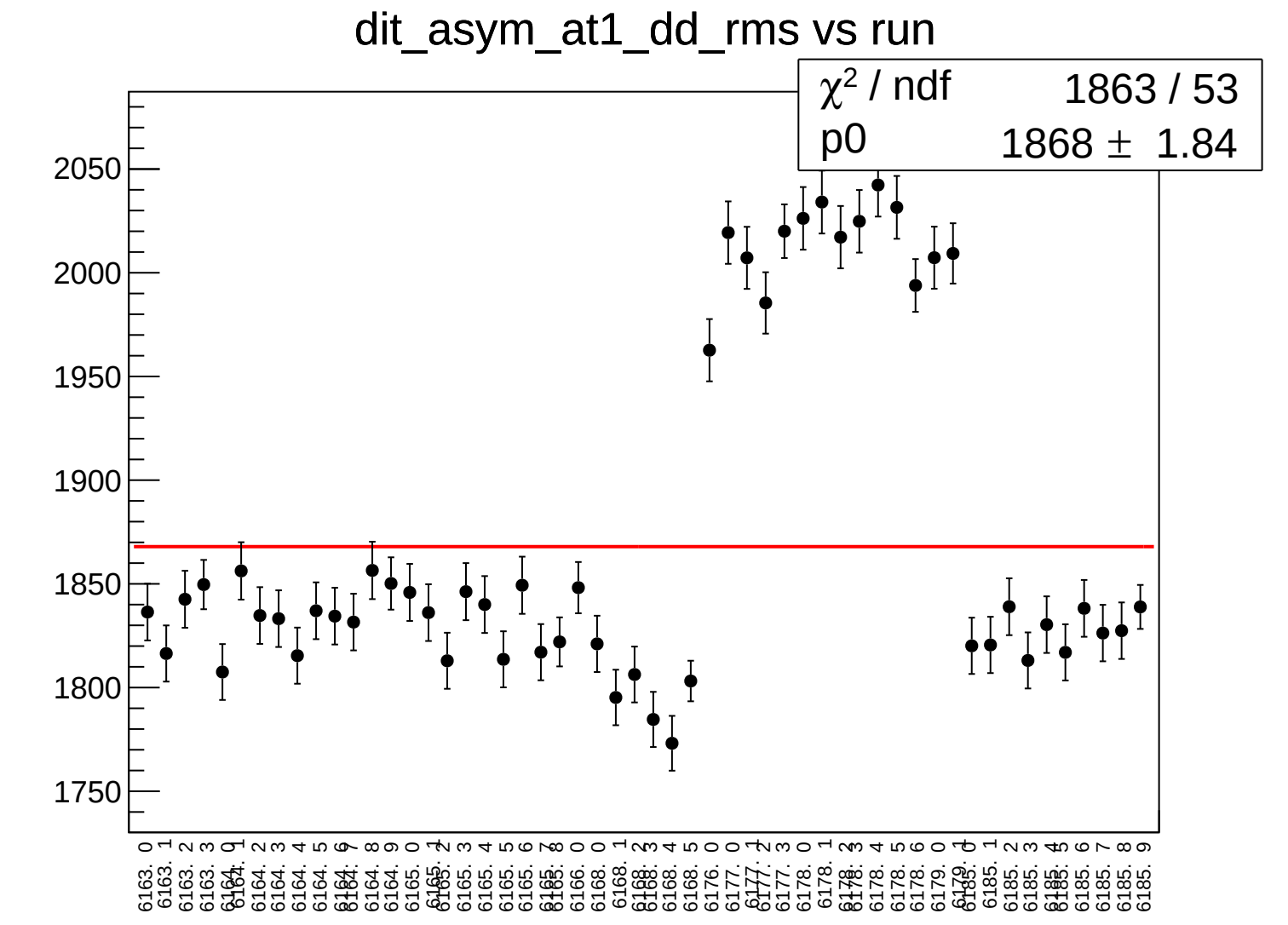
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

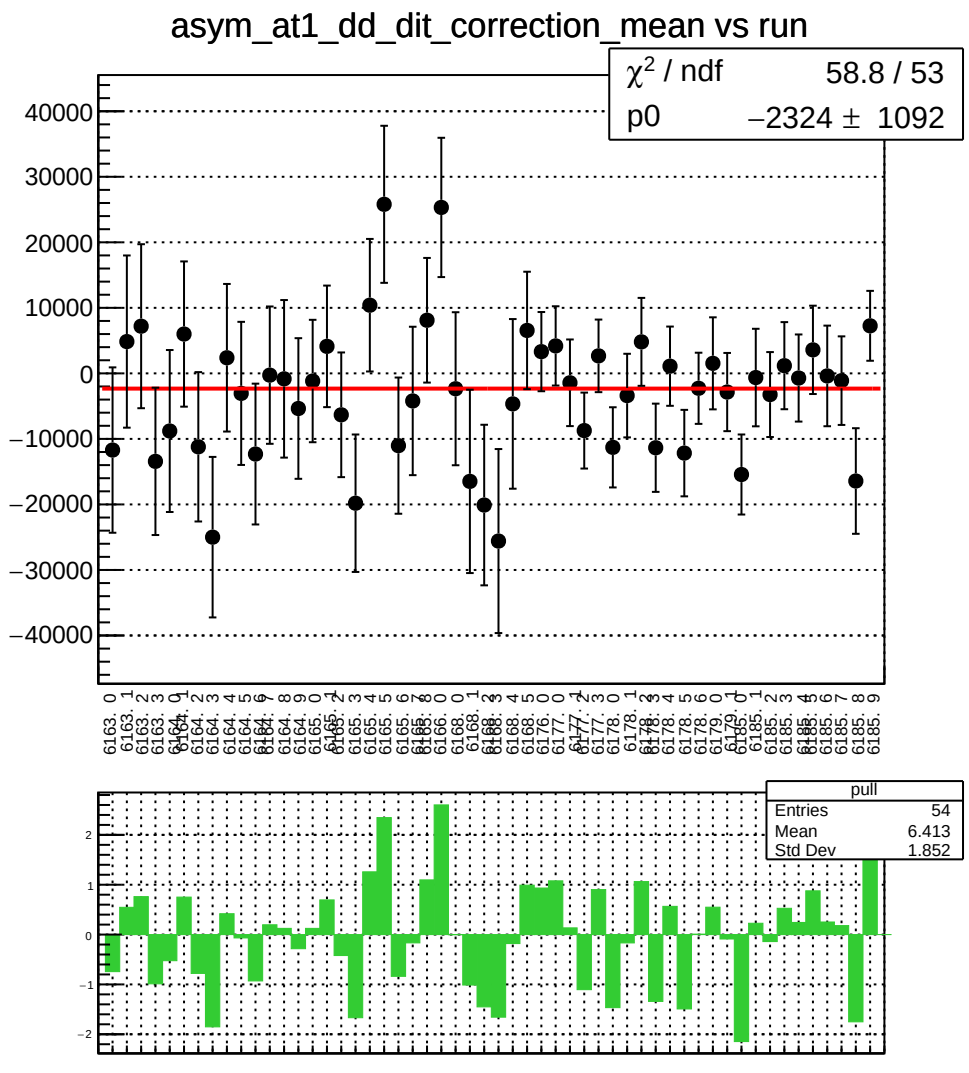

asym_at1_dd_eigen_cor_correction_mean vs run
χ² / ndf 59.17 / 53
p0 −2340 ± 1097
pull
Entries 54
Mean 0.228
Std Dev 0
pull1D
Entries 54
Mean −0.03215
Std Dev 1.046

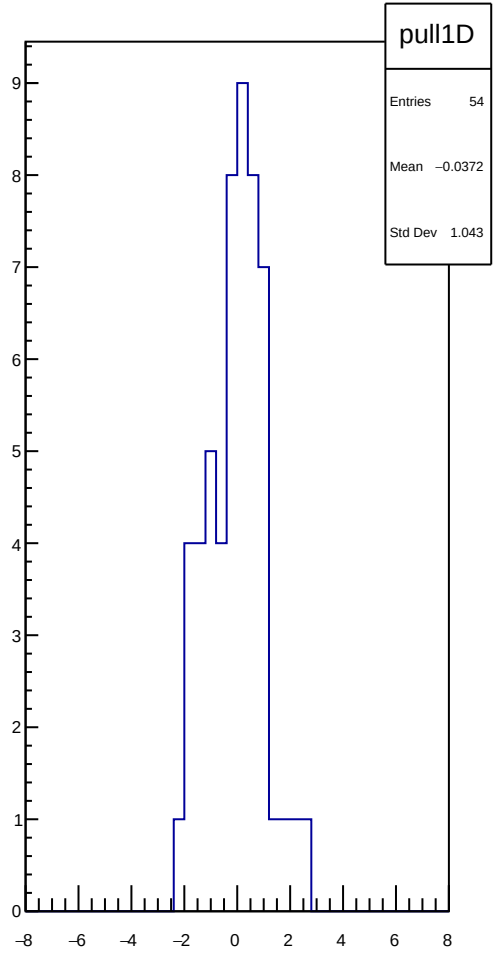

asym_at1_dd_eigen_cor_correction_rms vs run
χ² / ndf 7.502e+04 / 53
p0 759.4 ± 0.7758
1300
1200
1100
1000
900
800
700
600
500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

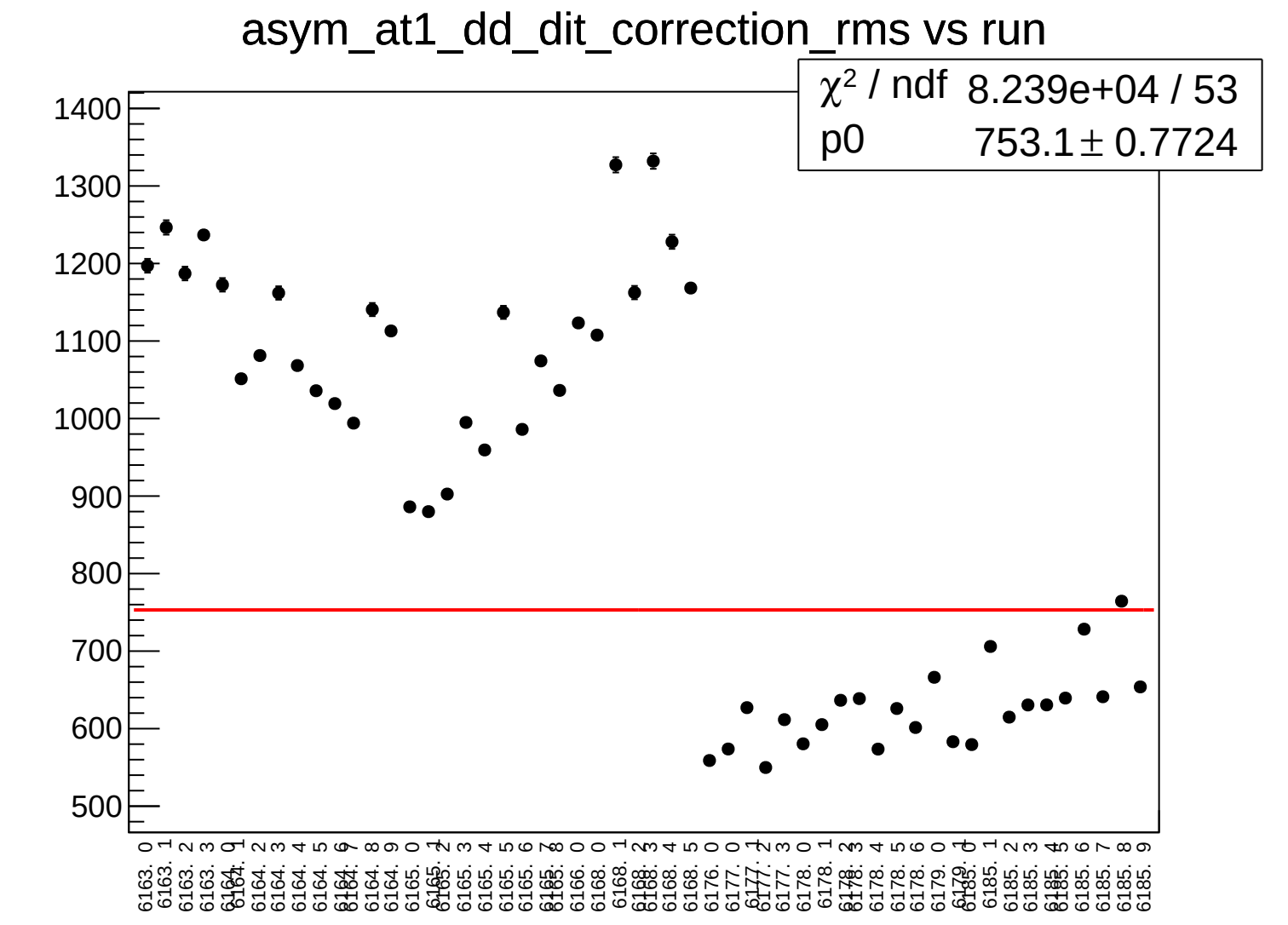

dit_asym_at1_dd_mean vs run
χ² / ndf 44.19 / 53
p0 −3674 ± 2601
pull
Entries 54
Mean −2213
Std Dev 0

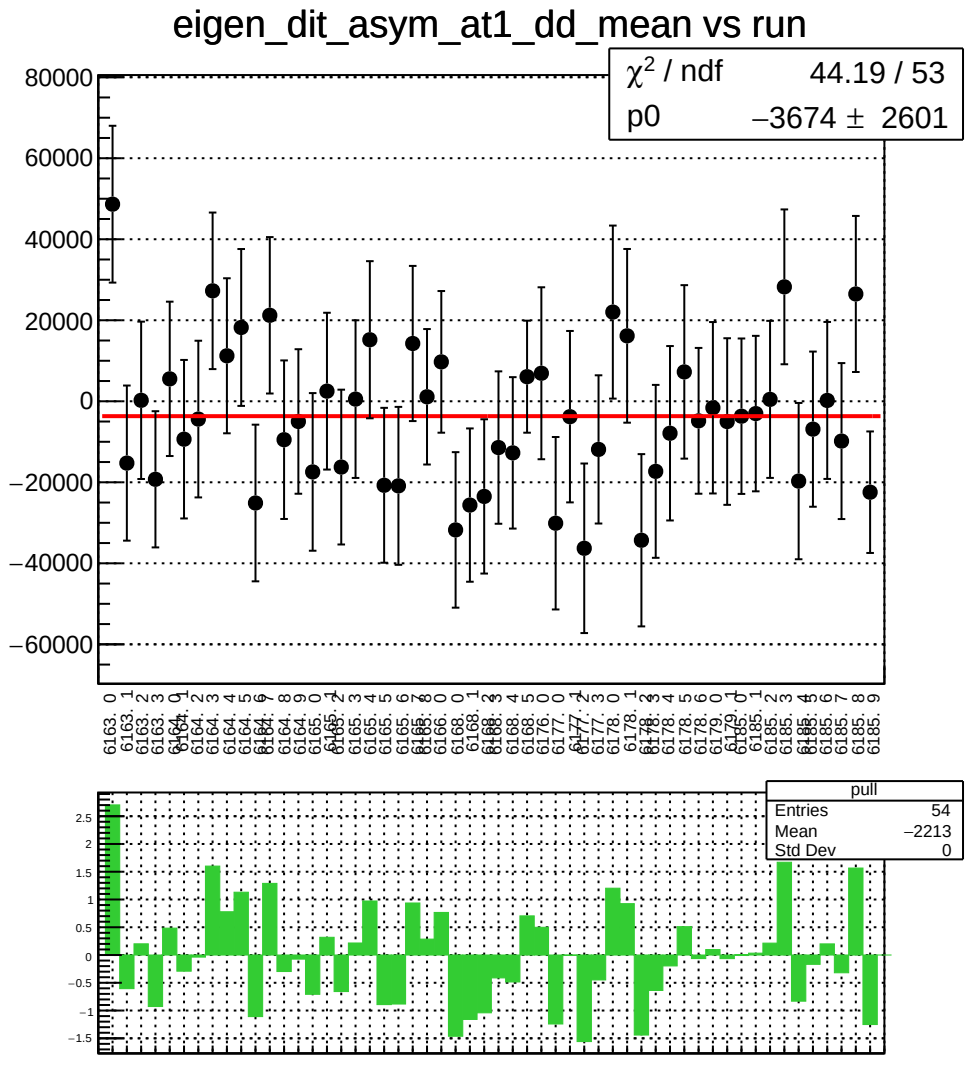

pull1D
Entries 54
Mean 0.0007363
Std Dev 0.9046

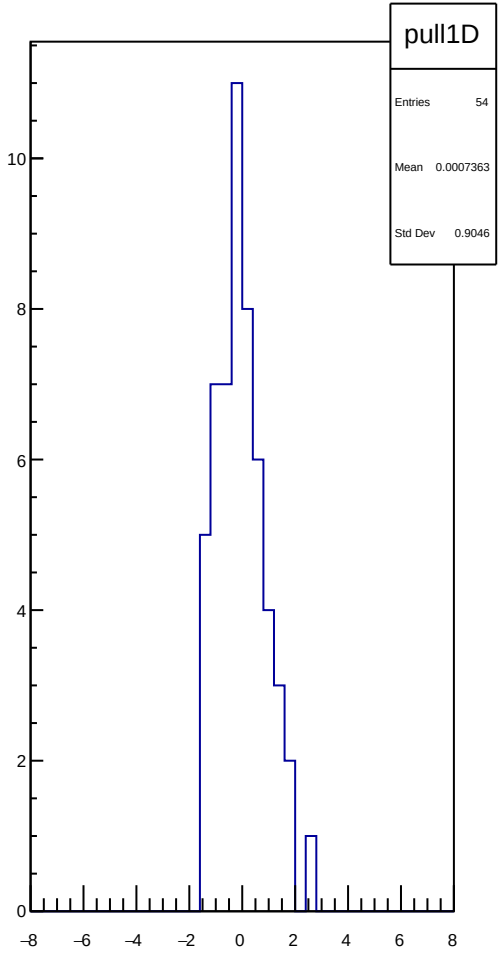

dit_asym_at1_dd_rms vs run
χ² / ndf 1863 / 53
p0 1868 ± 1.84
2050
2000
1950
1900
1850
1800
1750
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

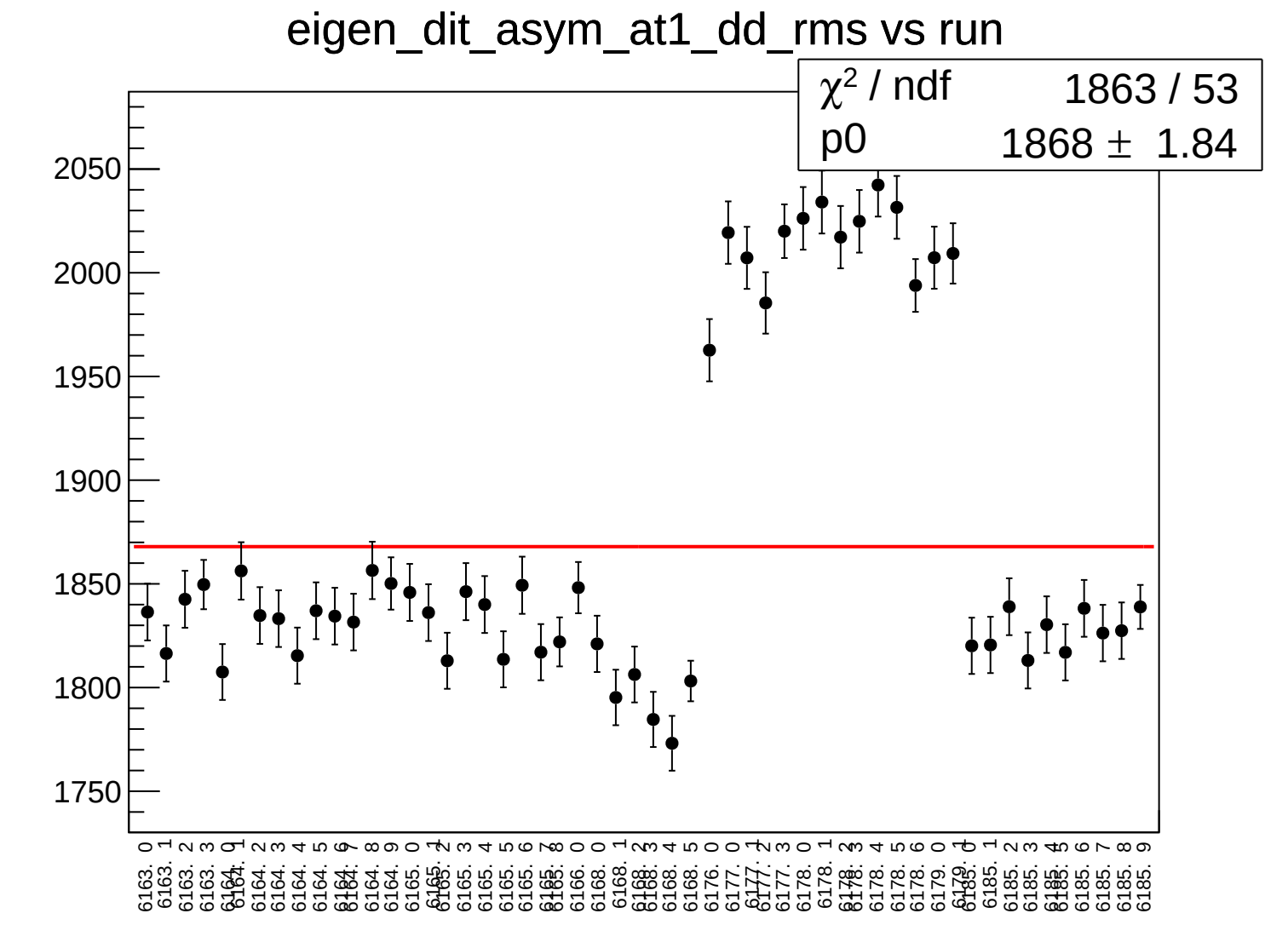

asym_at1_dd_dit_correction_mean vs run
χ² / ndf 58.8 / 53
p0 −2324 ± 1092
pull
Entries 54
Mean 6.413
Std Dev 1.852

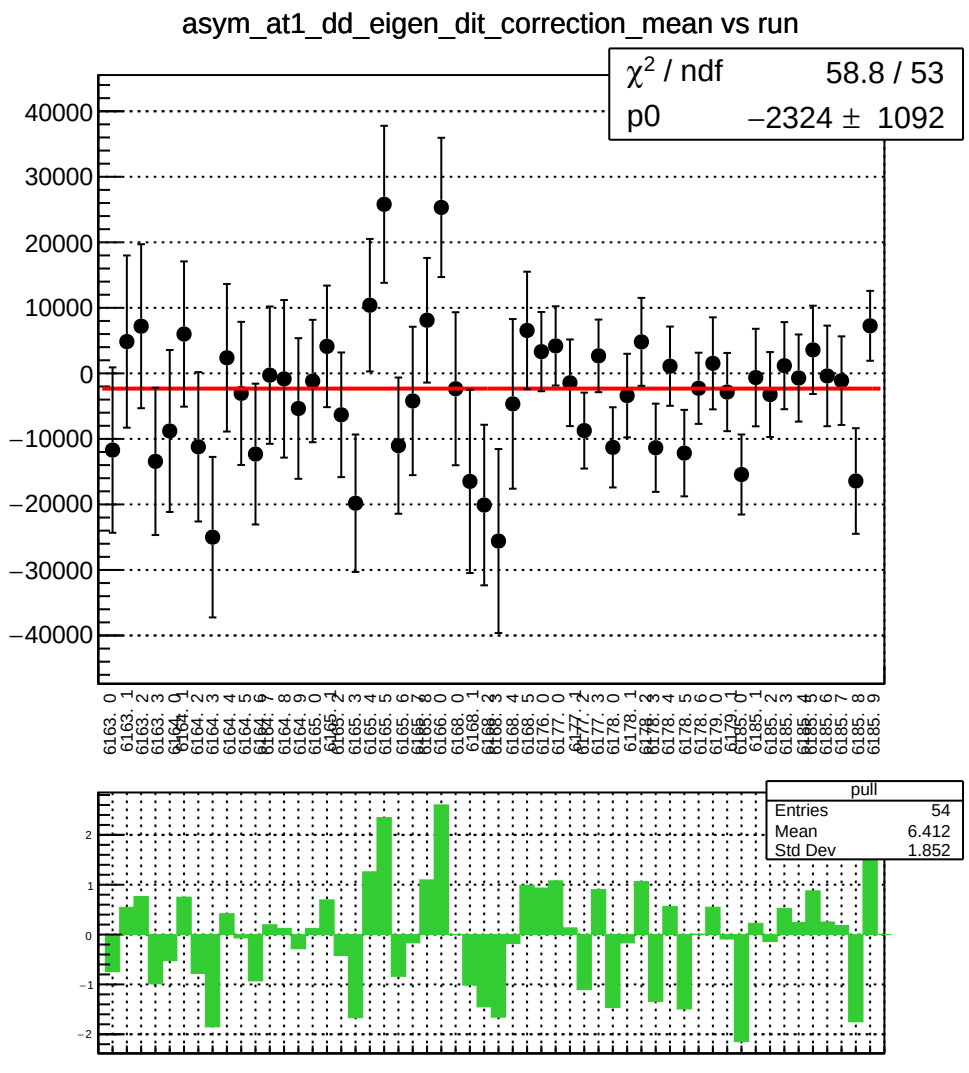

pull1D
Entries 54
Mean −0.0372
Std Dev 1.043

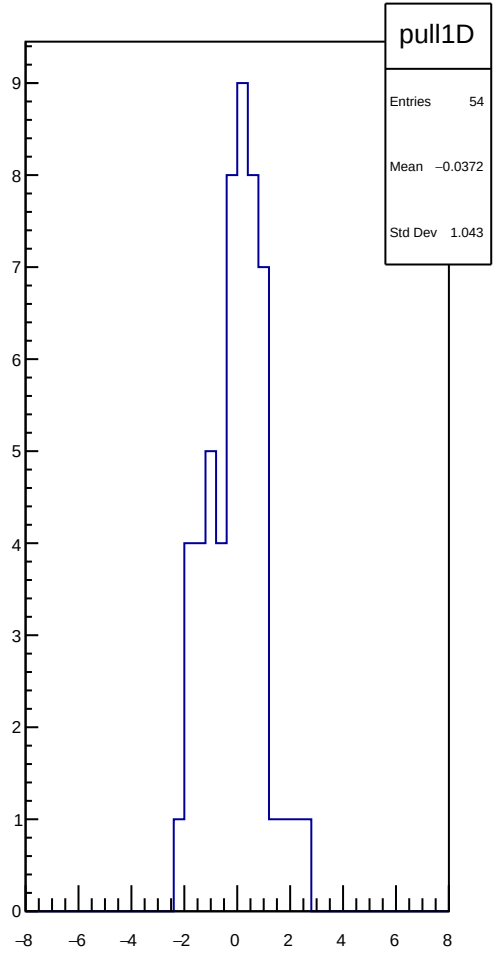

asym_at1_dd_dit_correction_rms vs run
χ² / ndf 8.239e+04 / 53
p0 753.1 ± 0.7724
1400
1300
1200
1100
1000
900
800
700
600
500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

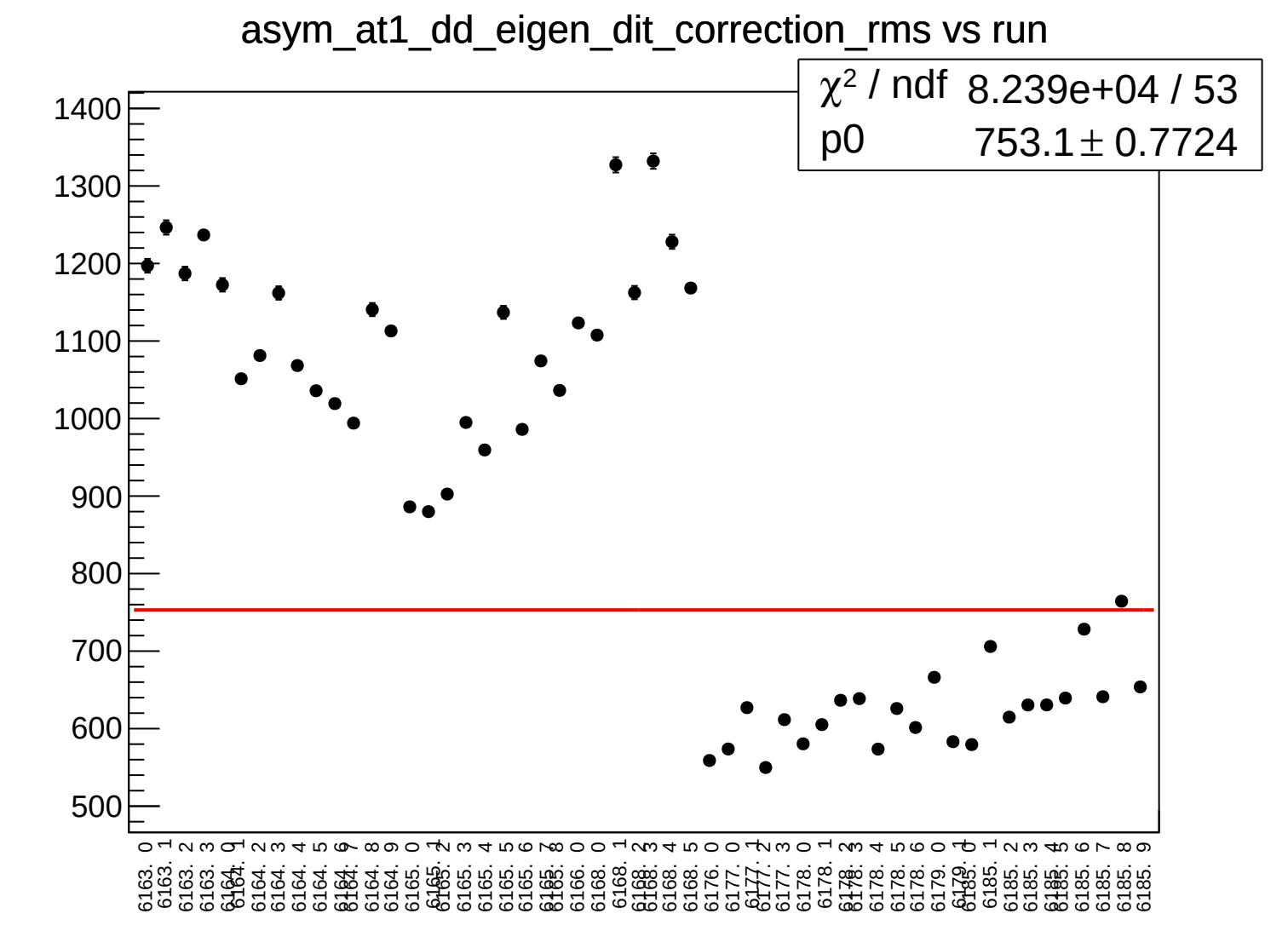

eigen_dit_asym_at1_dd_mean vs run
χ² / ndf 44.19 / 53
p0 −3674 ± 2601
pull
Entries 54
Mean −2213
Std Dev 0

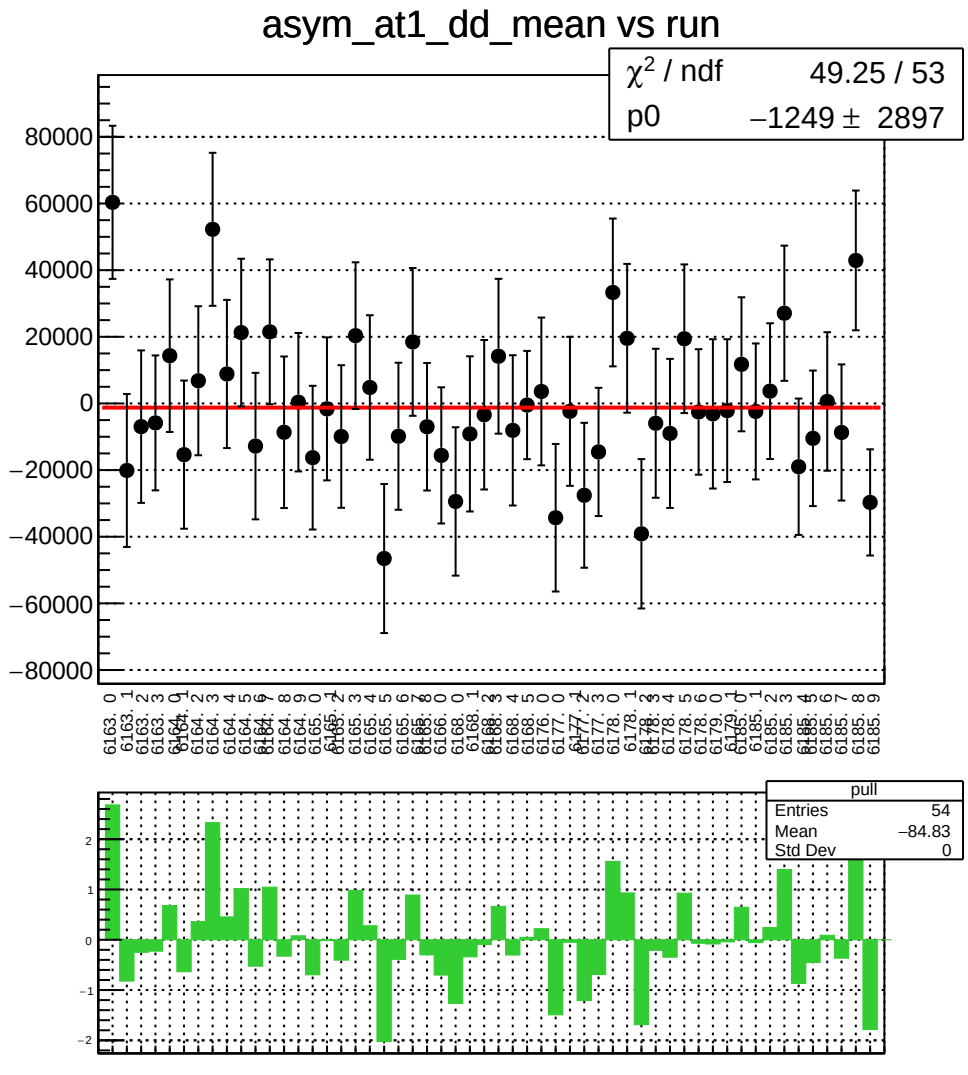

pull1D
Entries 54
Mean 0.0007363
Std Dev 0.9046

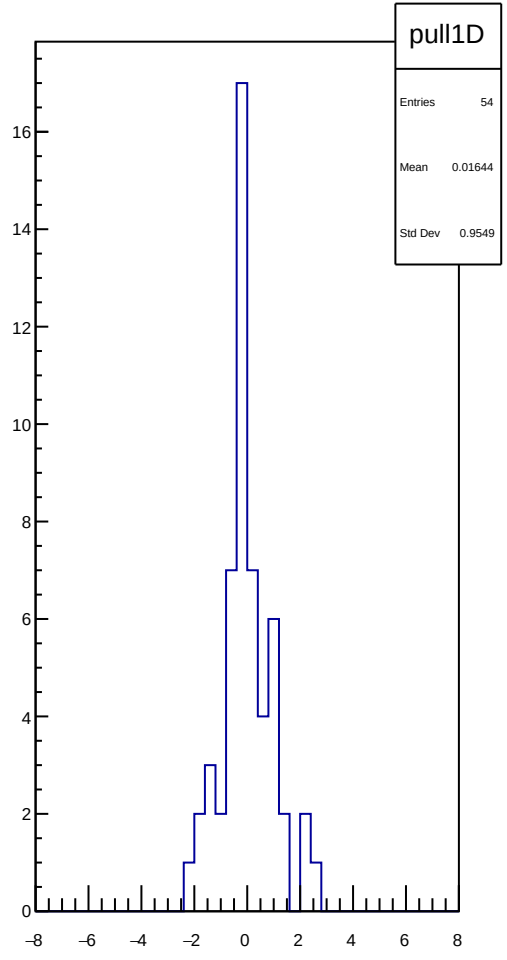

eigen_dit_asym_at1_dd_rms vs run
χ² / ndf 1863 / 53
p0 1868 ± 1.84
2050
2000
1950
1900
1850
1800
1750
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

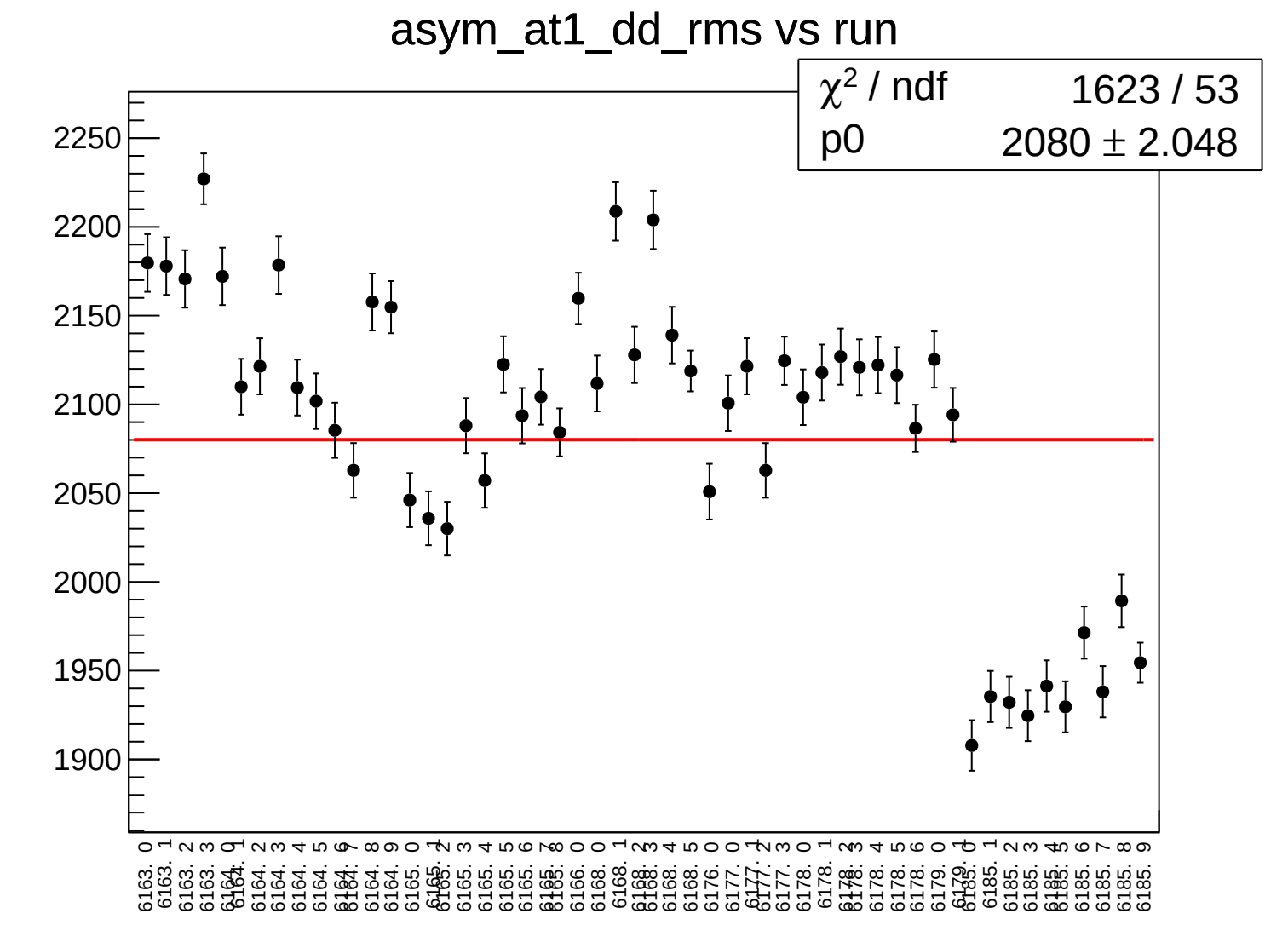

asym_at1_dd_eigen_dit_correction_mean vs run
χ² / ndf 58.8 / 53
p0 −2324 ± 1092
pull
Entries 54
Mean 6.412
Std Dev 1.852

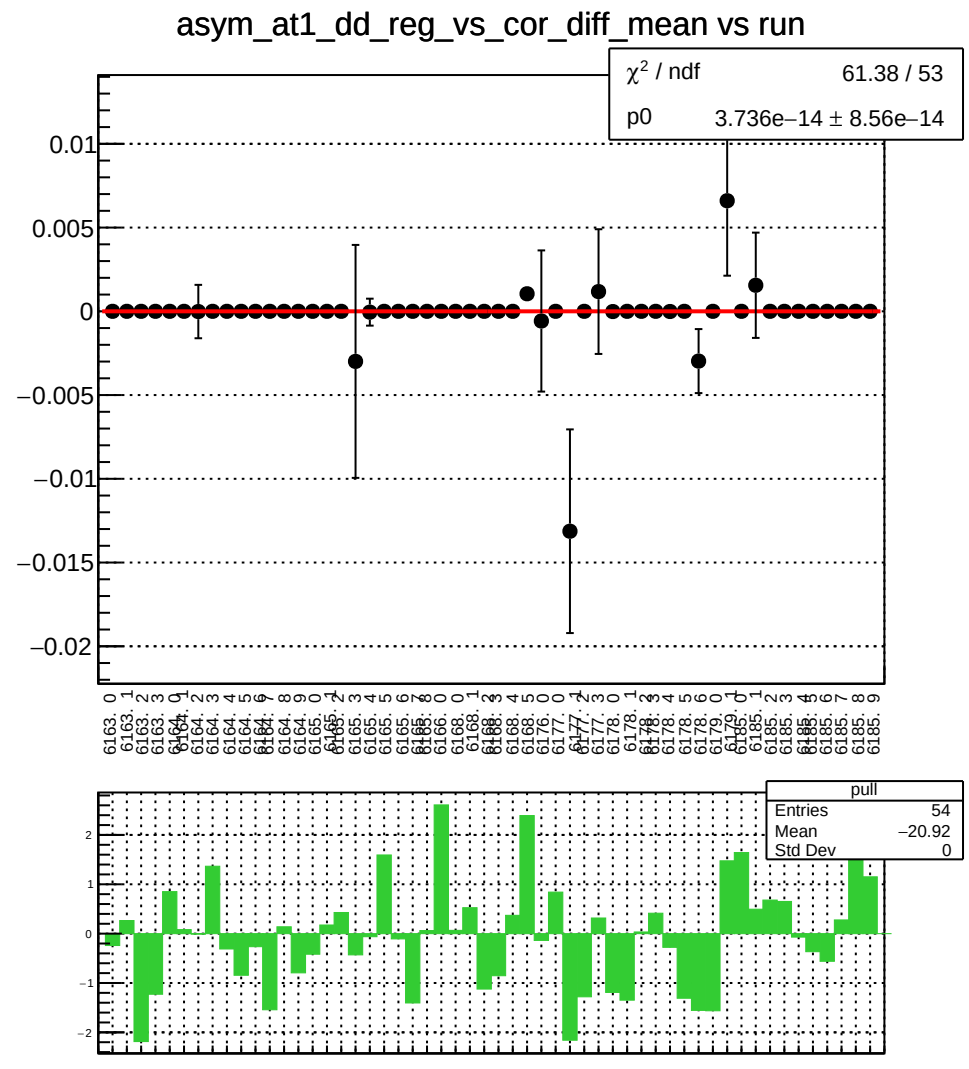

pull1D
Entries 54
Mean −0.0372
Std Dev 1.043

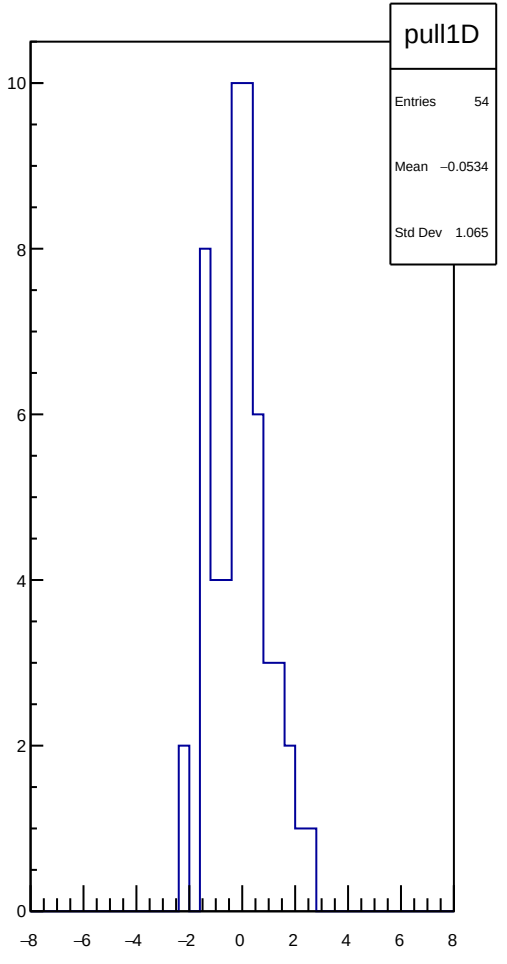

asym_at1_dd_eigen_dit_correction_rms vs run
χ² / ndf 8.239e+04 / 53
p0 753.1 ± 0.7724
1400
1300
1200
1100
1000
900
800
700
600
500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

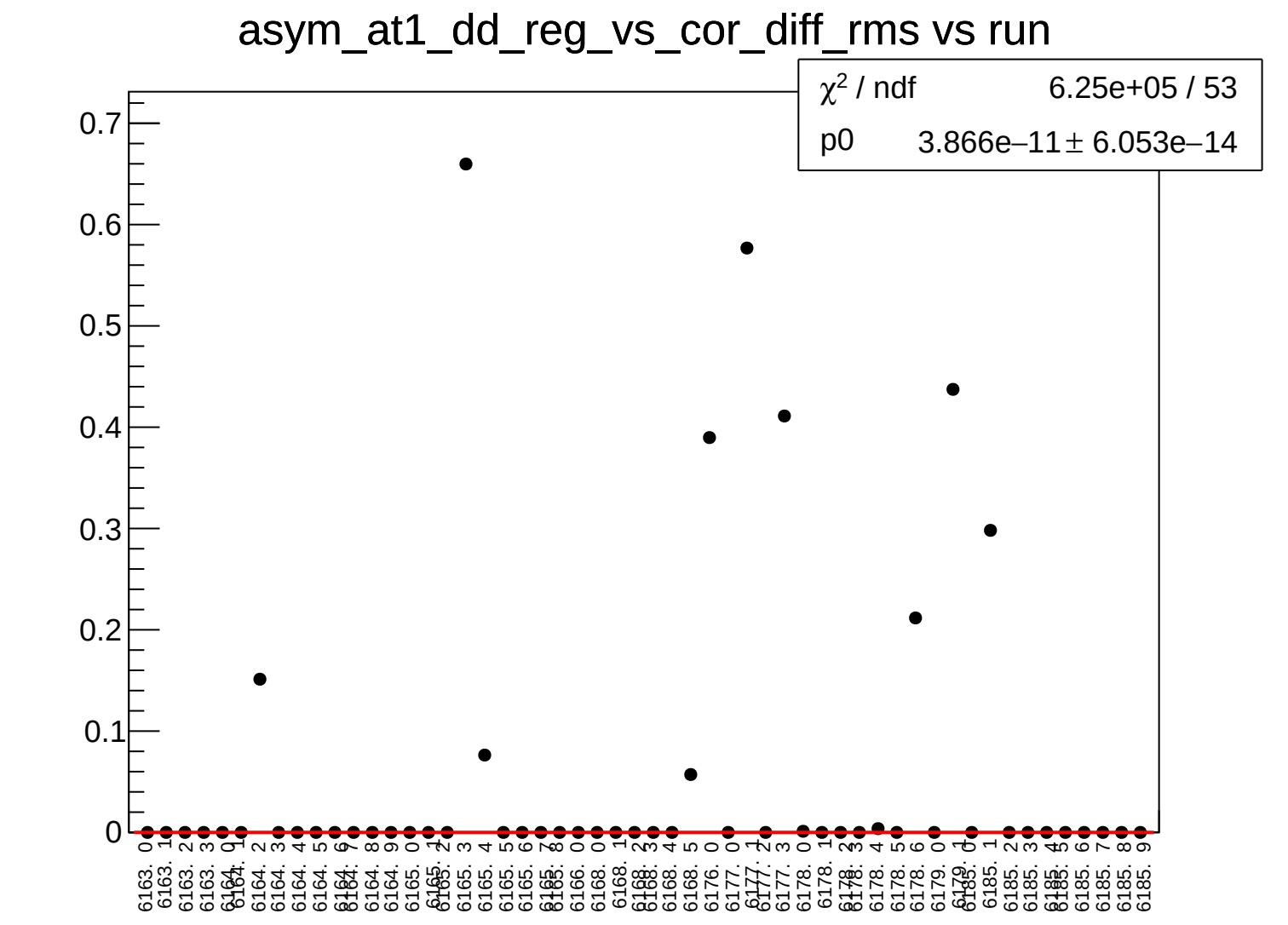

asym_at1_dd_mean vs run
χ² / ndf 49.25 / 53
p0 −1249 ± 2897
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 54
Mean −84.83
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 54
Mean 0.01644
Std Dev 0.9549
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_at1_dd_rms vs run
χ² / ndf 1623 / 53
p0 2080 ± 2.048
2250
2200
2150
2100
2050
2000
1950
1900
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


asym_at1_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 61.38 / 53
p0 3.736e−14 ± 8.56e−14
0.01
0.005
0
−0.005
−0.01
−0.015
−0.02
pull
Entries 54
Mean −20.92
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 54
Mean −0.0534
Std Dev 1.065
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_at1_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.25e+05 / 53
p0 3.866e−11 ± 6.053e−14
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 6
6164. 7
6164. 8
6164. 9
6165. 0
6165. 1
6165. 2
6165. 3
6165. 4
6165. 5
6165. 6
6165. 7
6165. 8
6166. 0
6168. 0
6168. 1
6168. 2
6168. 3
6168. 4
6168. 5
6176. 0
6177. 0
6177. 1
6177. 2
6177. 3
6178. 0
6178. 1
6178. 2
6178. 3
6178. 4
6178. 5
6178. 6
6179. 0
6179. 1
6185. 0
6185. 1
6185. 2
6185. 3
6185. 4
6185. 5
6185. 6
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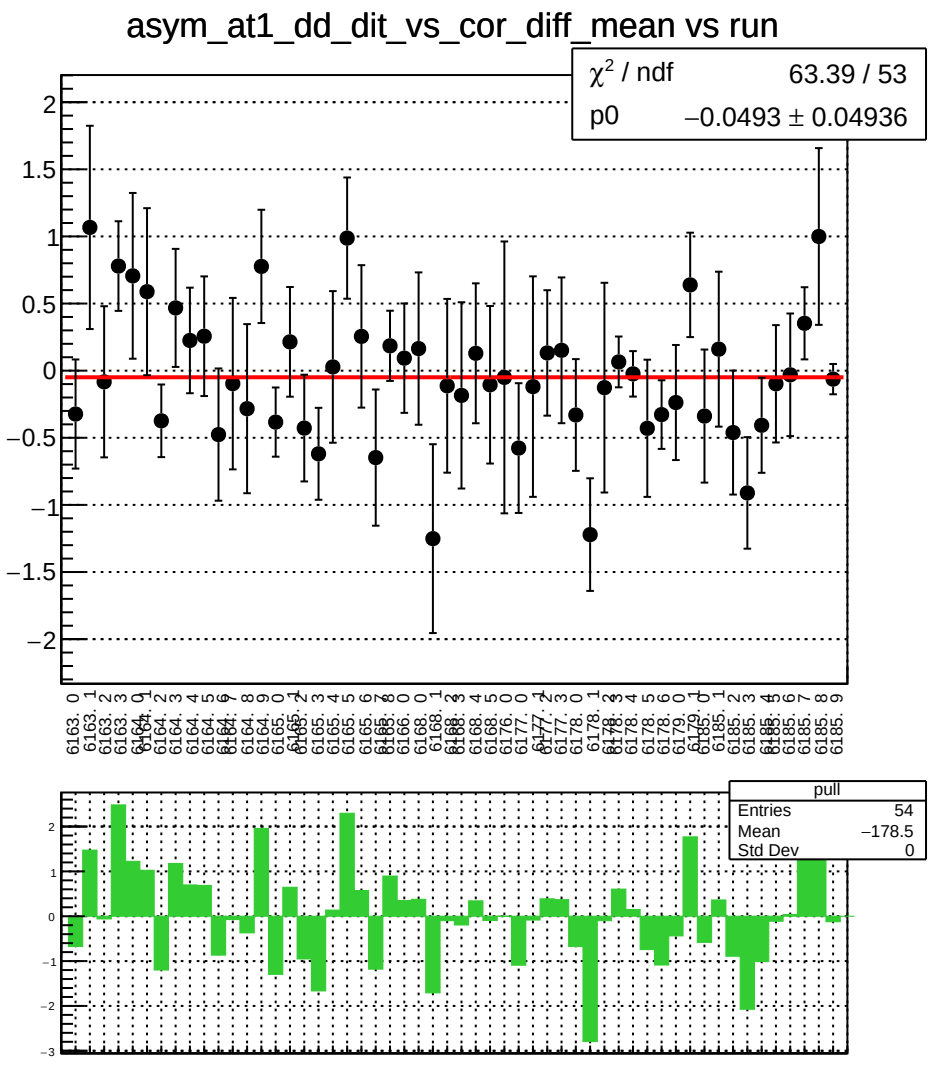
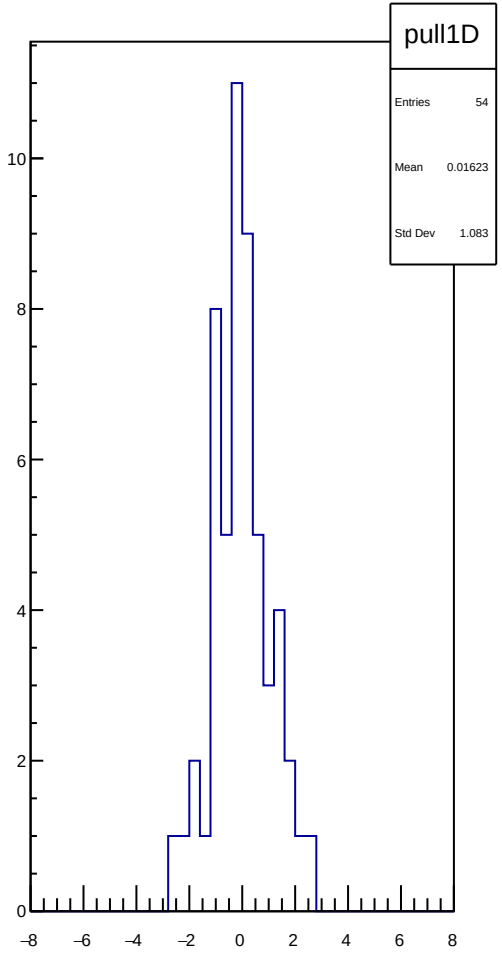
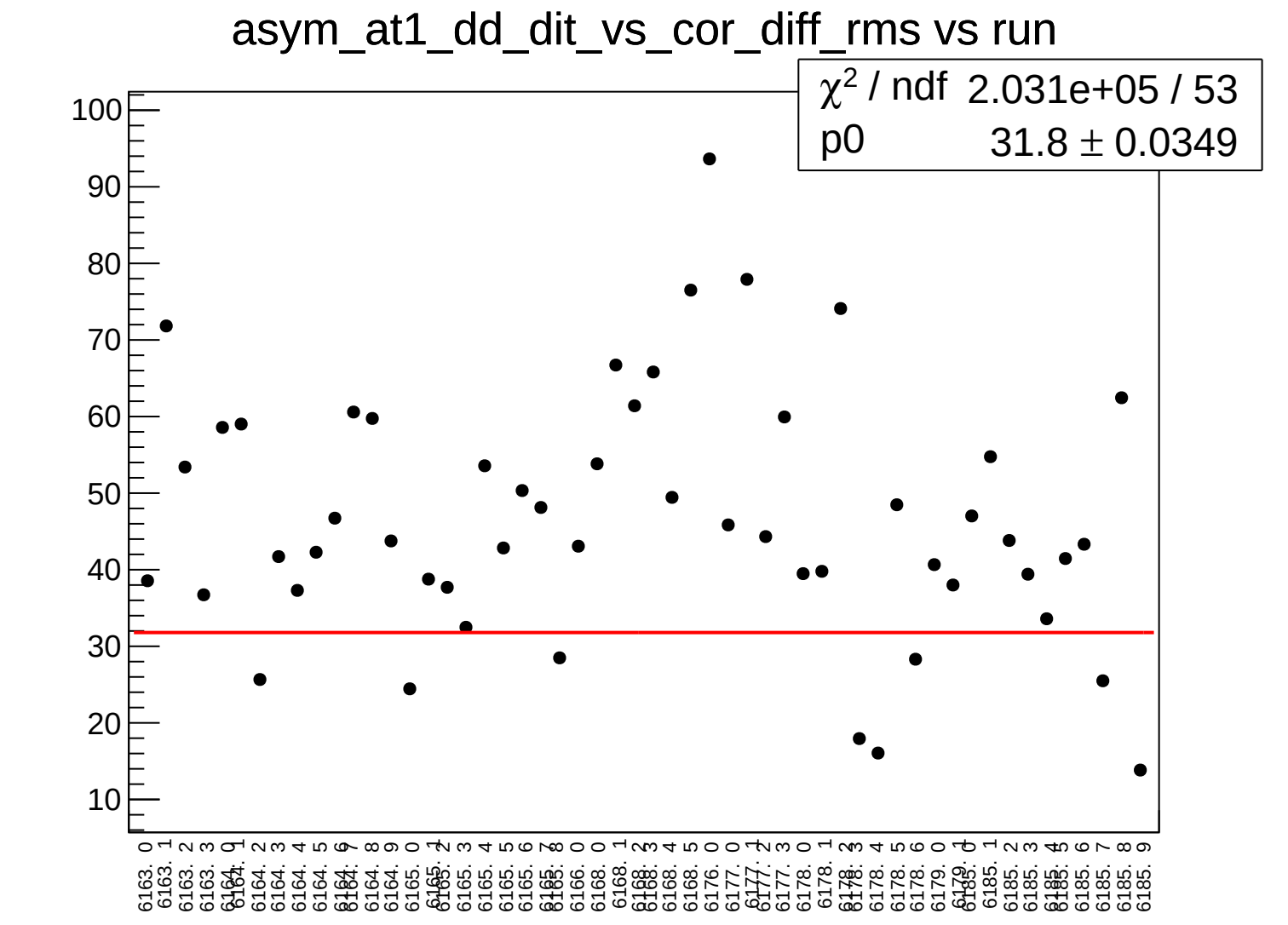
6185. 8
6185. 9


asym_at1_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 63.39 / 53
p0 −0.0493 ± 0.04936
pull
Entries 54
Mean −178.5
Std Dev 0


pull1D
Entries 54
Mean 0.01623
Std Dev 1.083


asym_at1_dd_dit_vs_cor_diff_rms vs run
χ^2 / ndf 2.031e+05 / 53
p0 31.8 ± 0.0349
100
90
80
70
60
50
40
30
20
10
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
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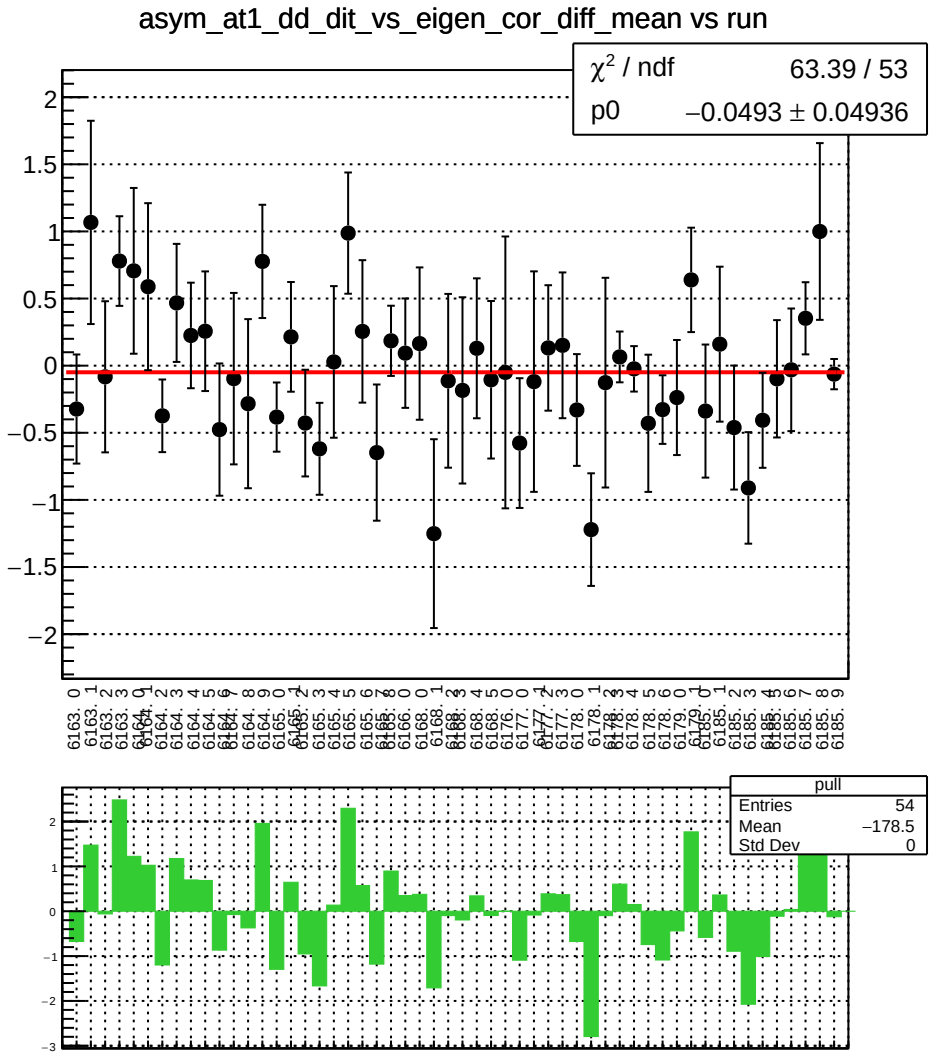
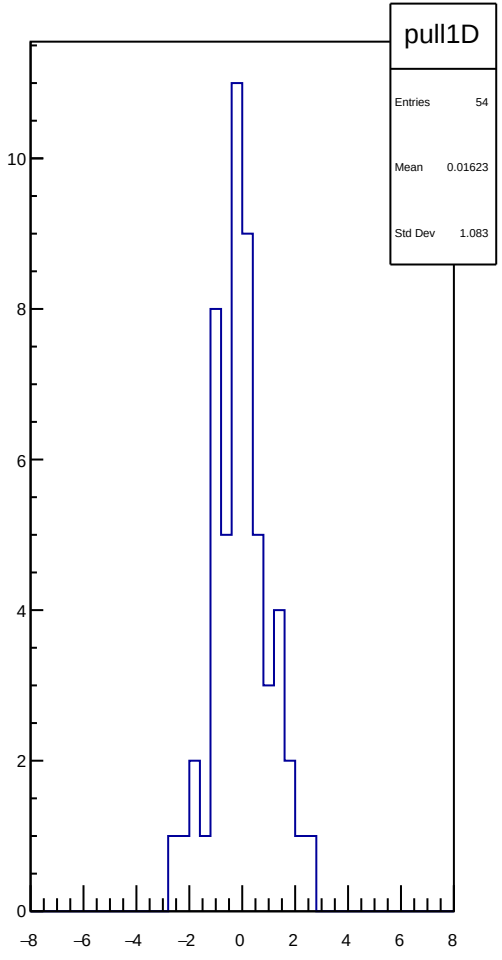
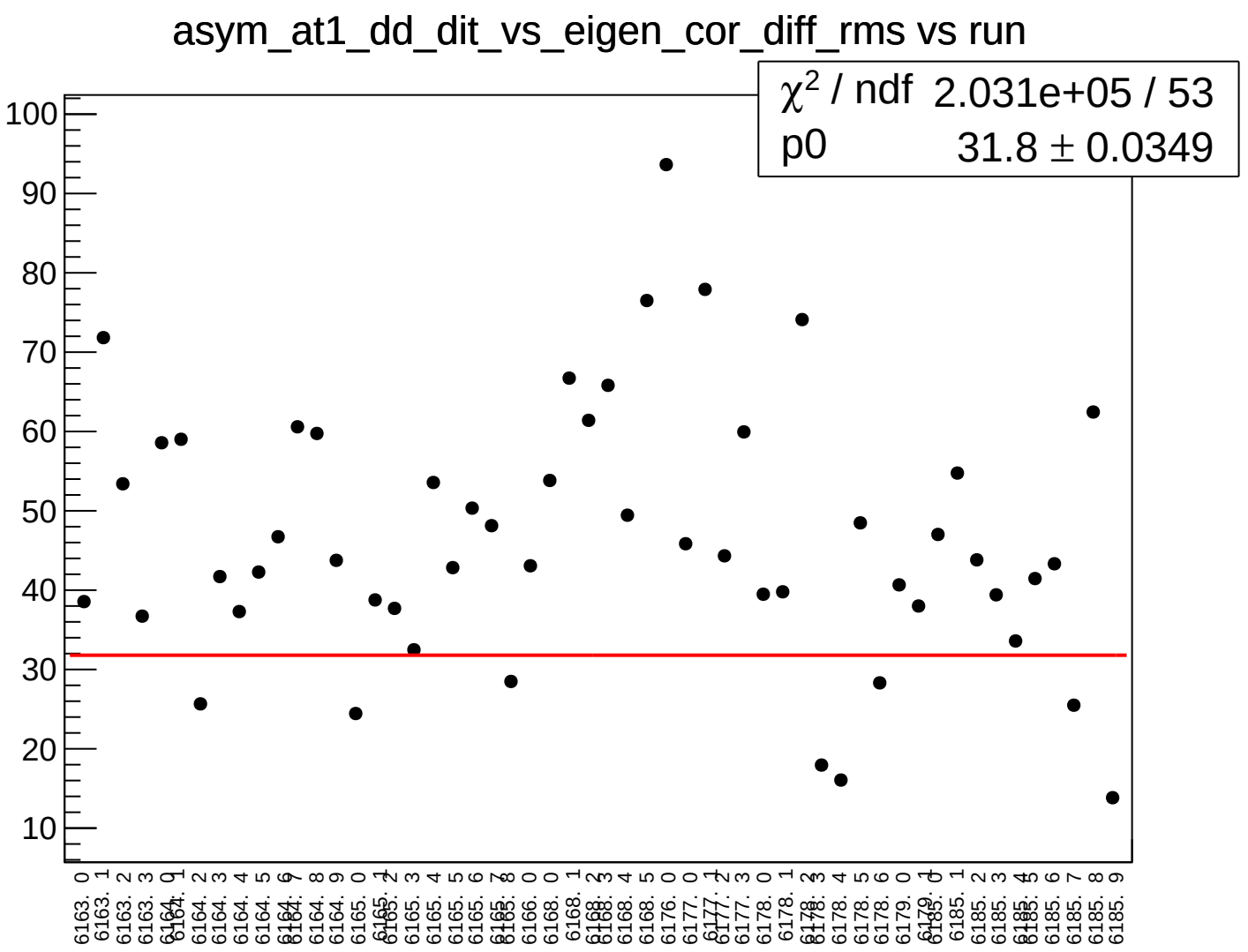
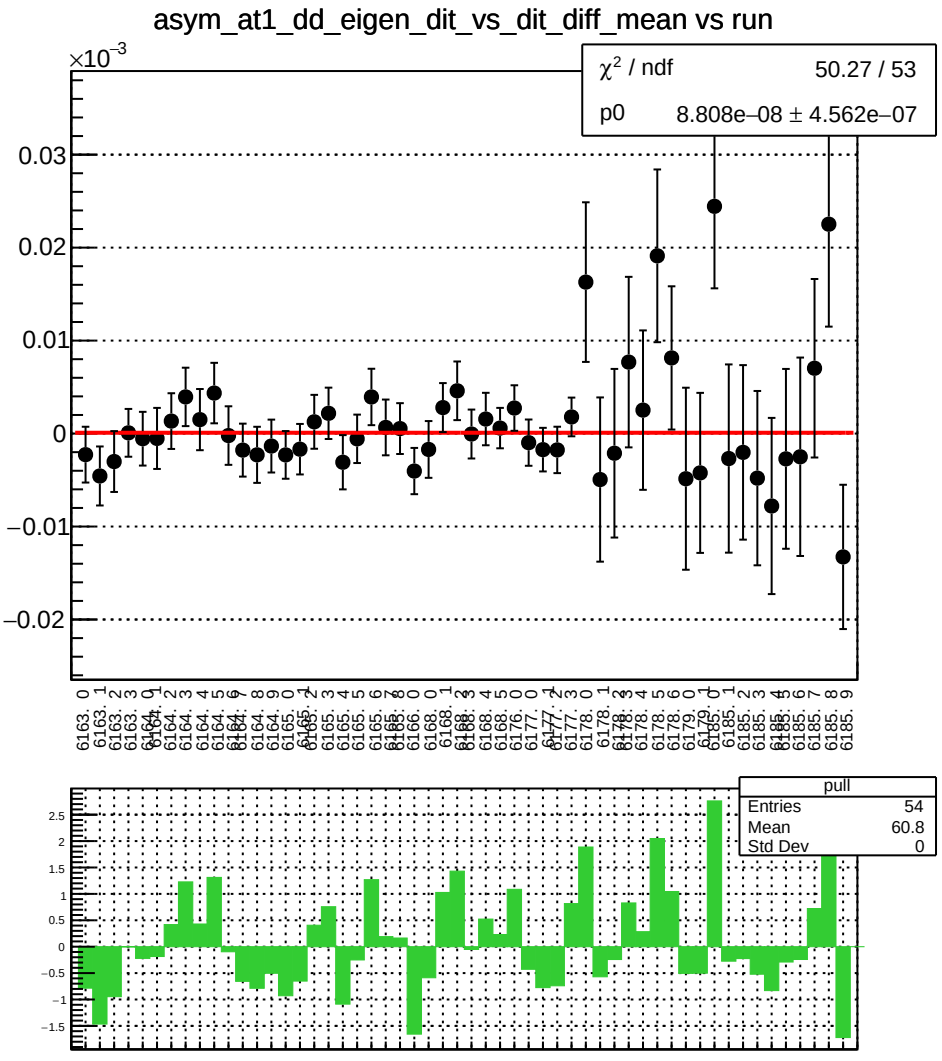
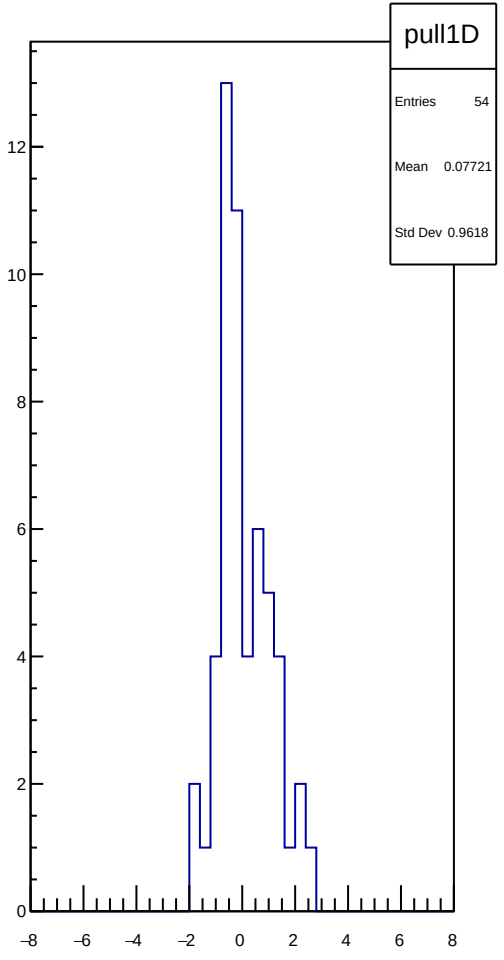
6185. 6
6185. 7
6185. 8
6185. 9

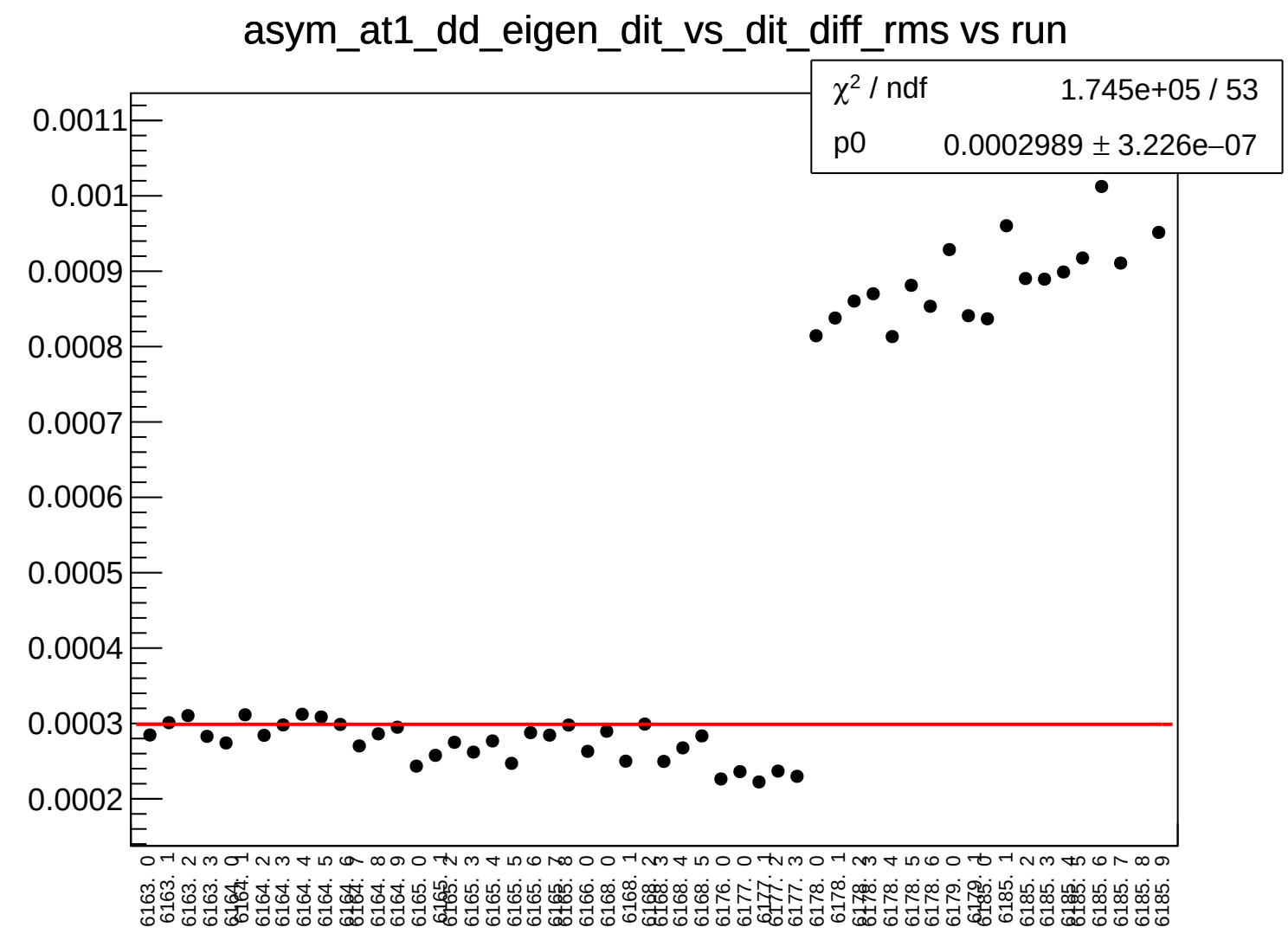

asym_at1_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 63.39 / 53
p0 −0.0493 ± 0.04936
pull
Entries 54
Mean −178.5
Std Dev 0

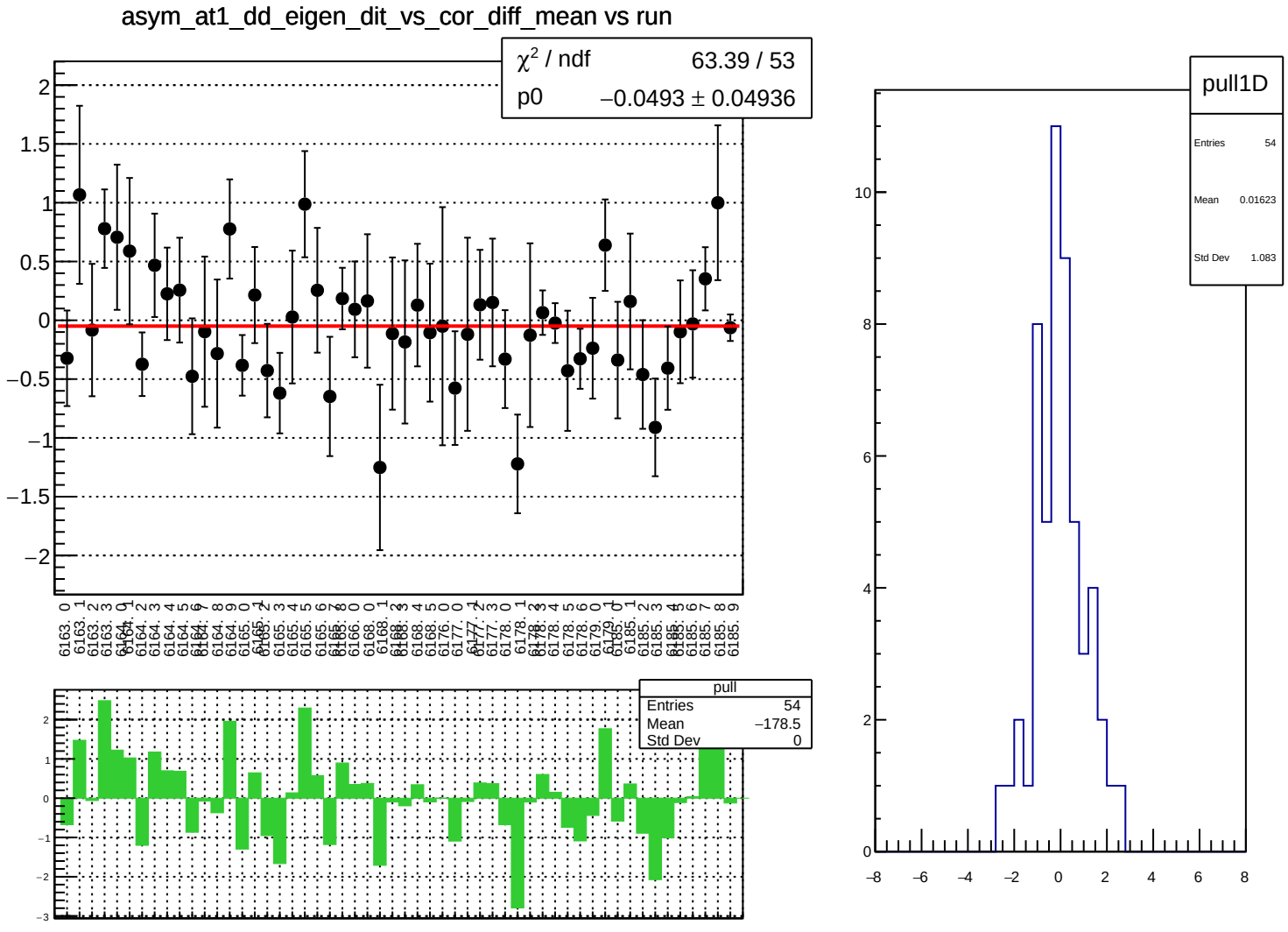

pull1D
Entries 54
Mean 0.01623
Std Dev 1.083

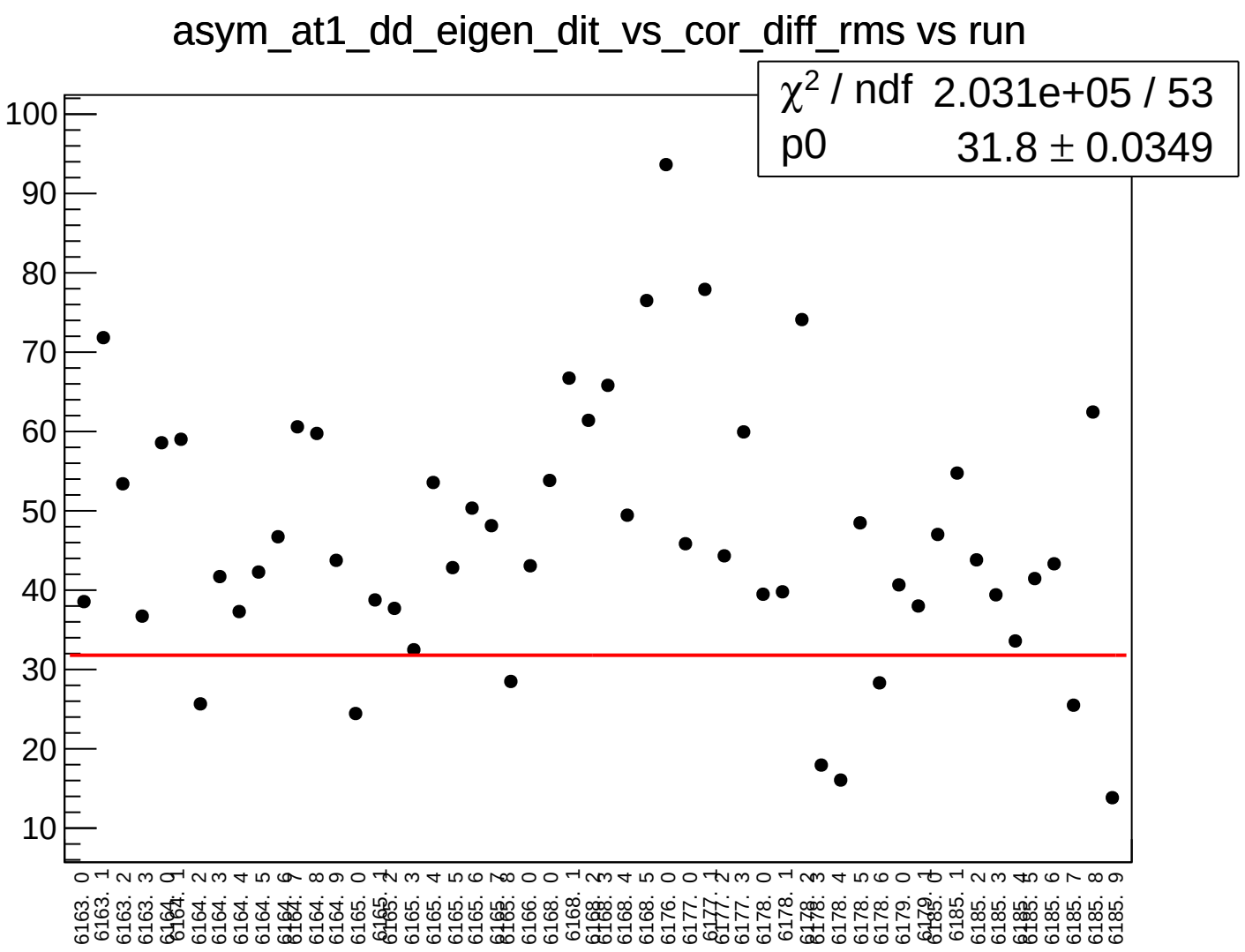

asym_at1_dd_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 2.031e+05 / 53
p0 31.8 ± 0.0349
100
90
80
70
60
50
40
30
20
10
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

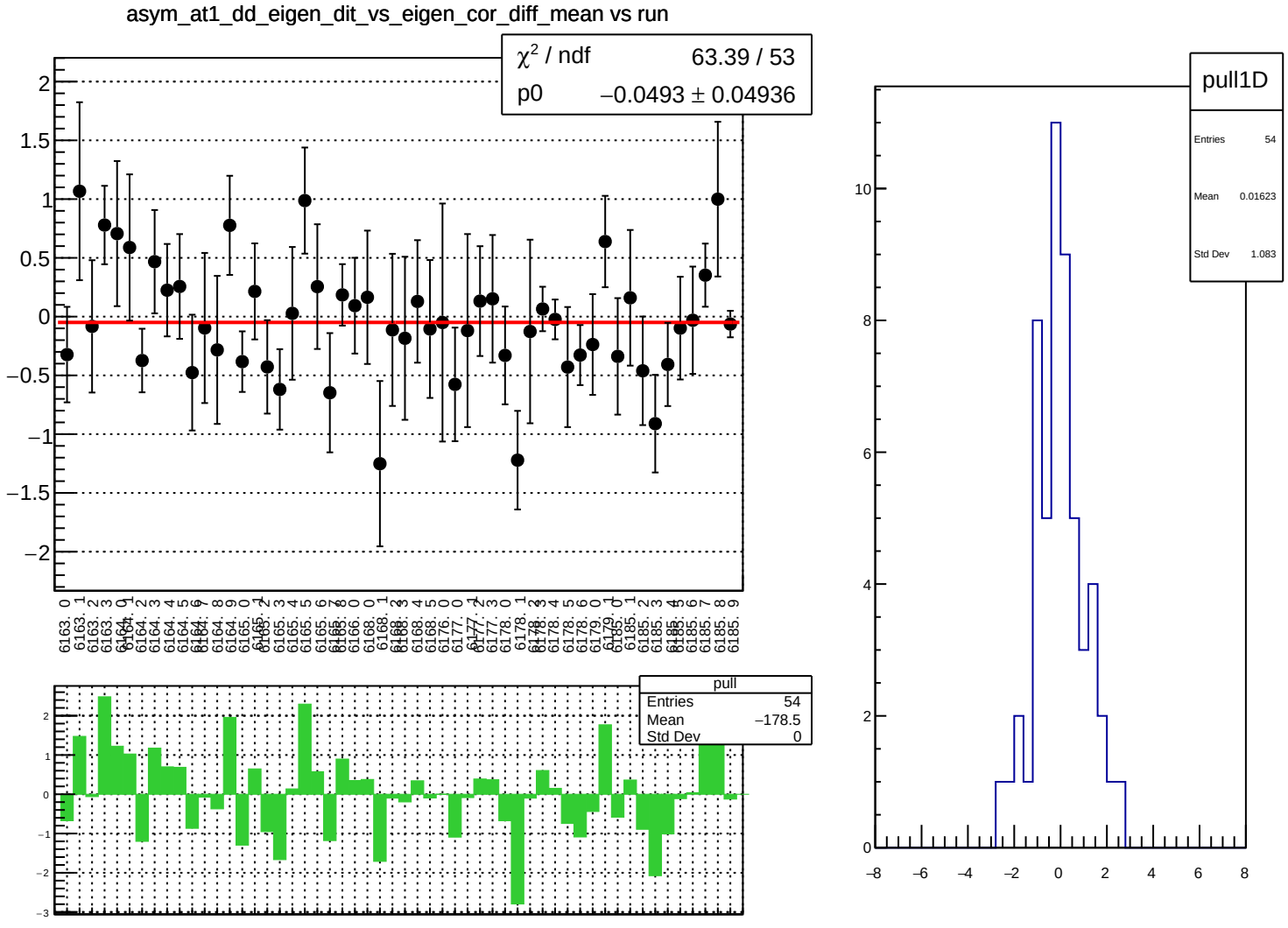

asym_at1_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 50.27 / 53
p0 8.808e−08 ± 4.562e−07
0.03
0.02
0.01
0
−0.01
−0.02
pull
Entries 54
Mean 60.8
Std Dev 0

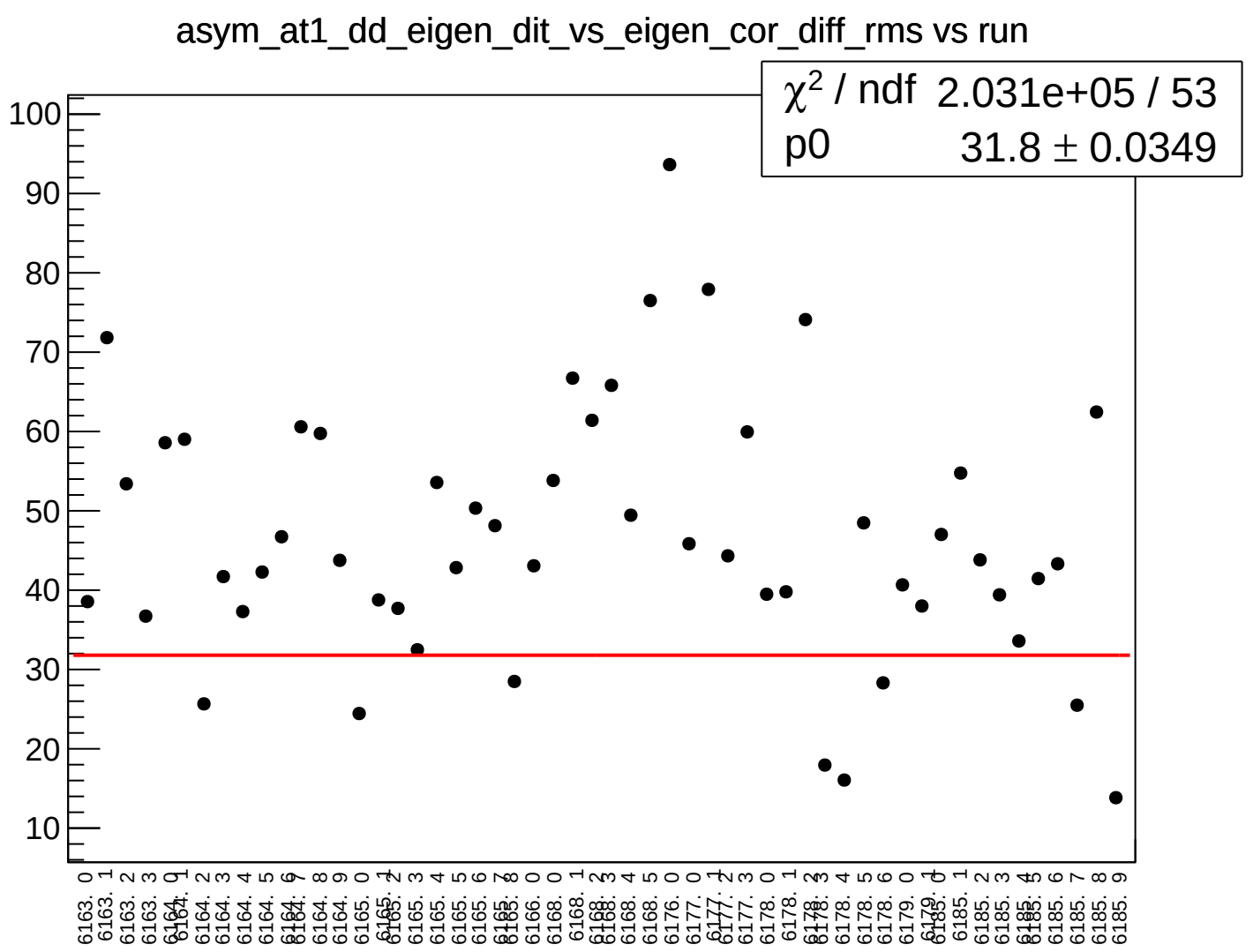

pull1D
Entries 54
Mean 0.07721
Std Dev 0.9618

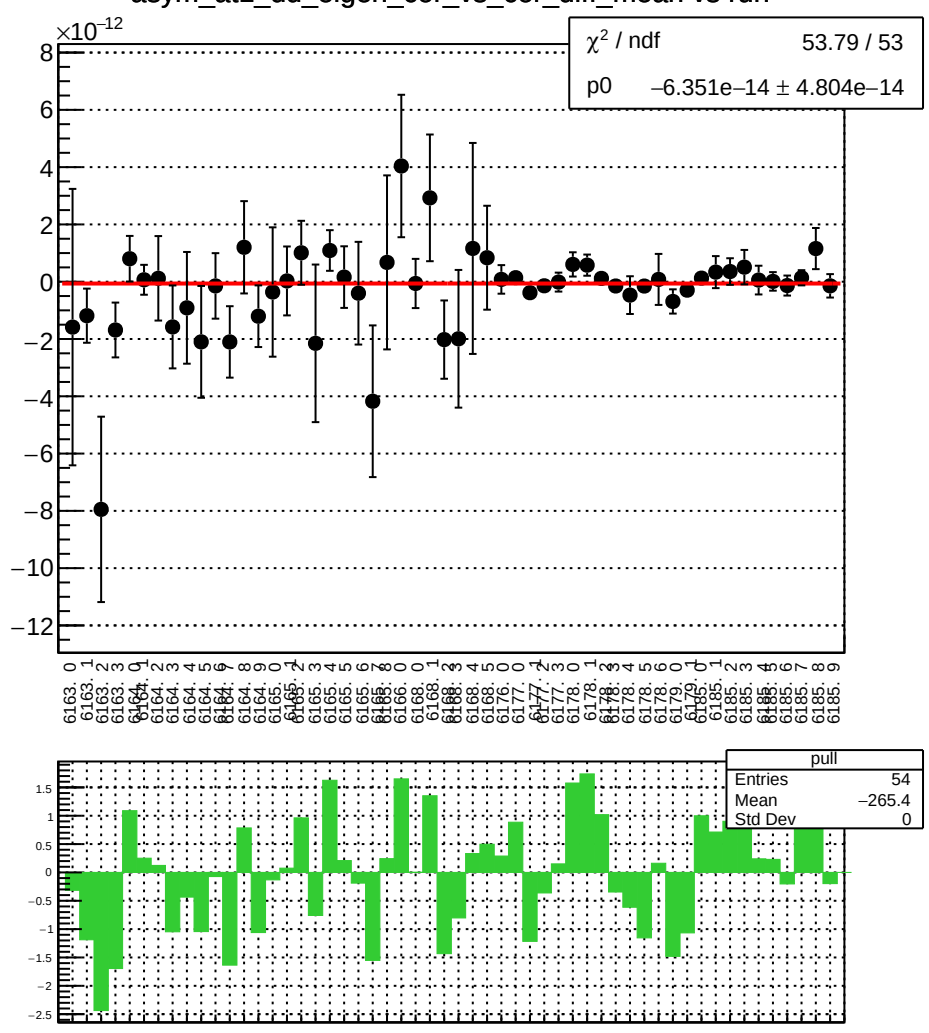

asym_at1_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.745e+05 / 53
p0 0.0002989 ± 3.226e−07
0.0011
0.001
0.0009
0.0008
0.0007
0.0006
0.0005
0.0004
0.0003
0.0002
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

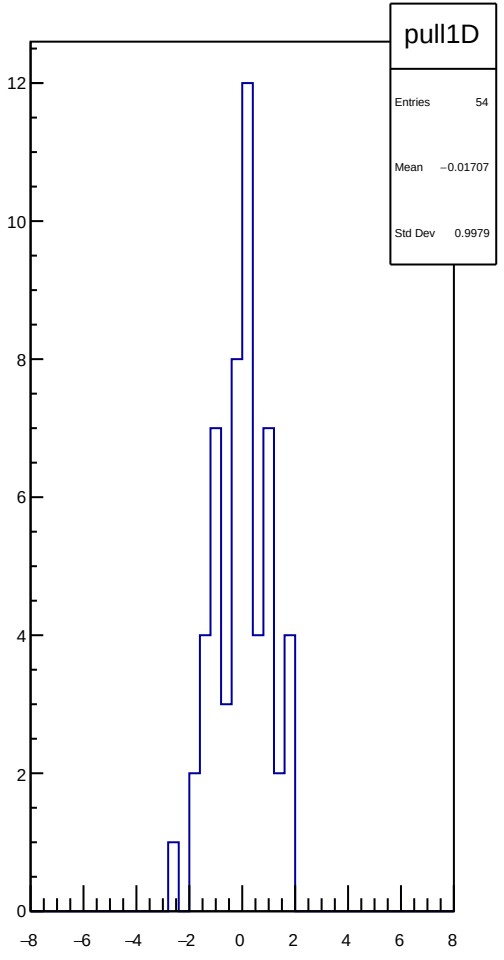

asym_at1_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 63.39 / 53
p0 −0.0493 ± 0.04936
pull
Entries 54
Mean −178.5
Std Dev 0
pull1D
Entries 54
Mean 0.01623
Std Dev 1.083

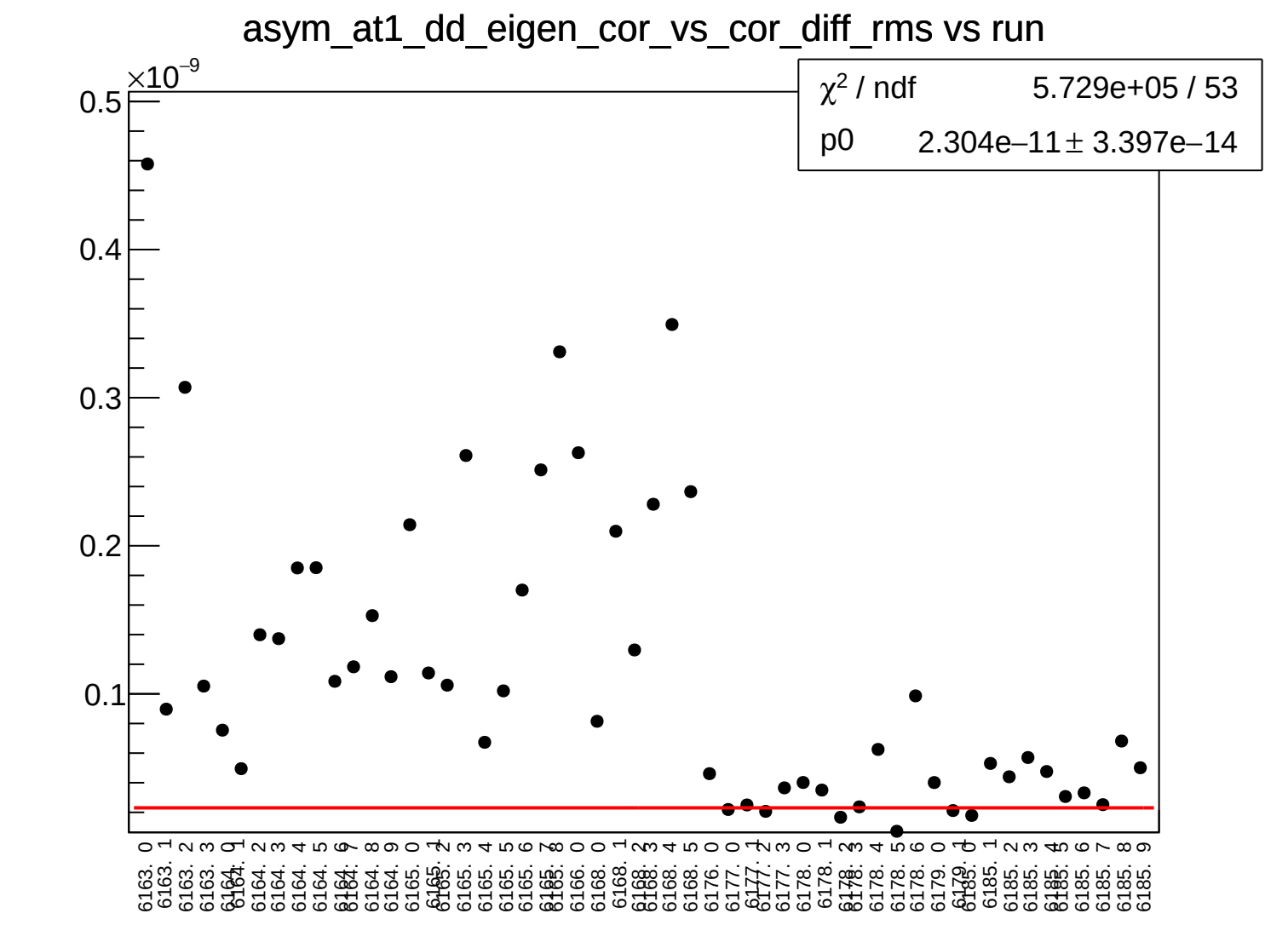

asym_at1_dd_eigen_dit_vs_cor_diff_rms vs run
χ^2 / ndf 2.031e+05 / 53
p0 31.8 ± 0.0349
100
90
80
70
60
50
40
30
20
10
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

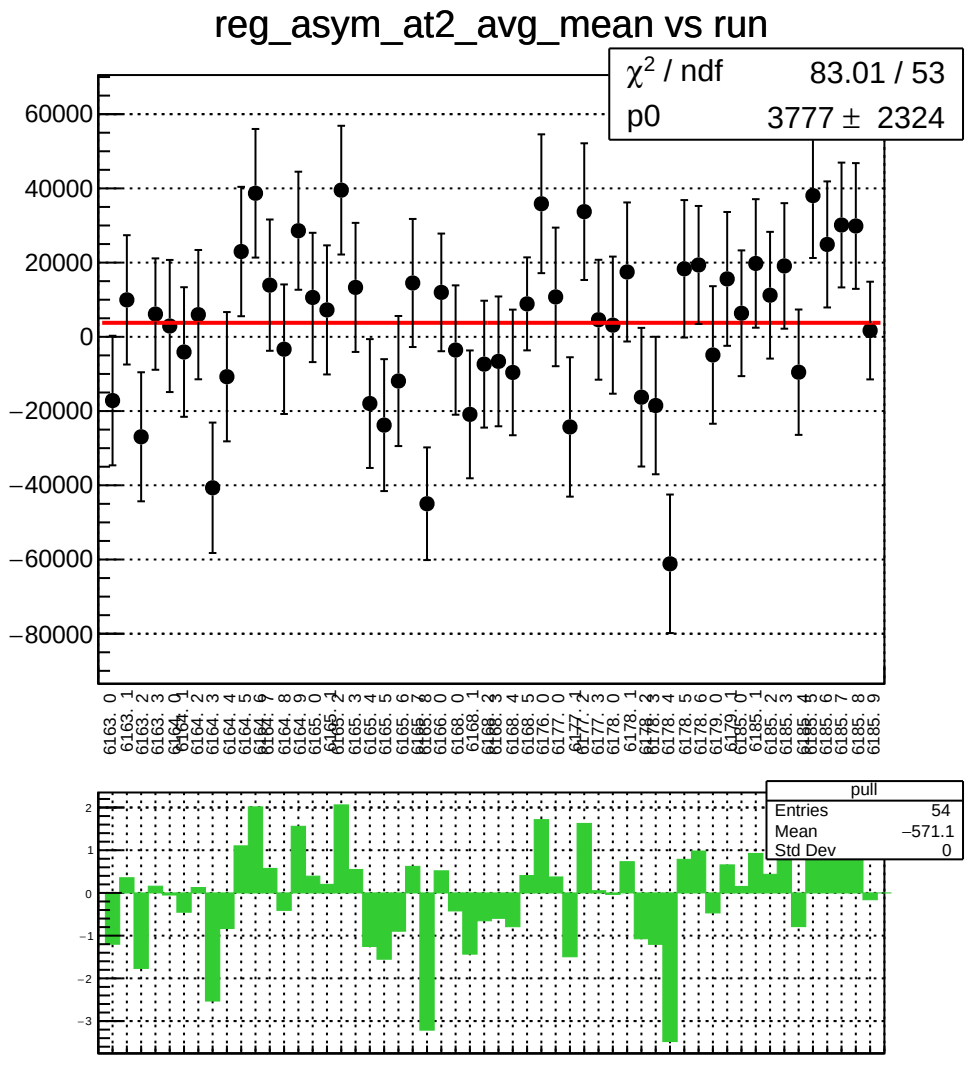

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 63.39 / 53
p0 −0.0493 ± 0.04936
pull
Entries 54
Mean −178.5
Std Dev 0
pull1D
Entries 54
Mean 0.01623
Std Dev 1.083

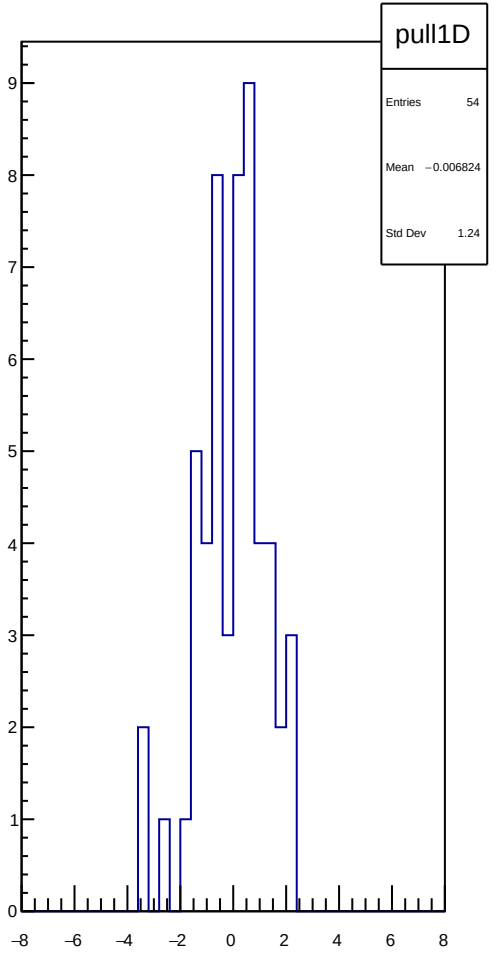

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.031e+05 / 53
p0 31.8 ± 0.0349
100
90
80
70
60
50
40
30
20
10
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

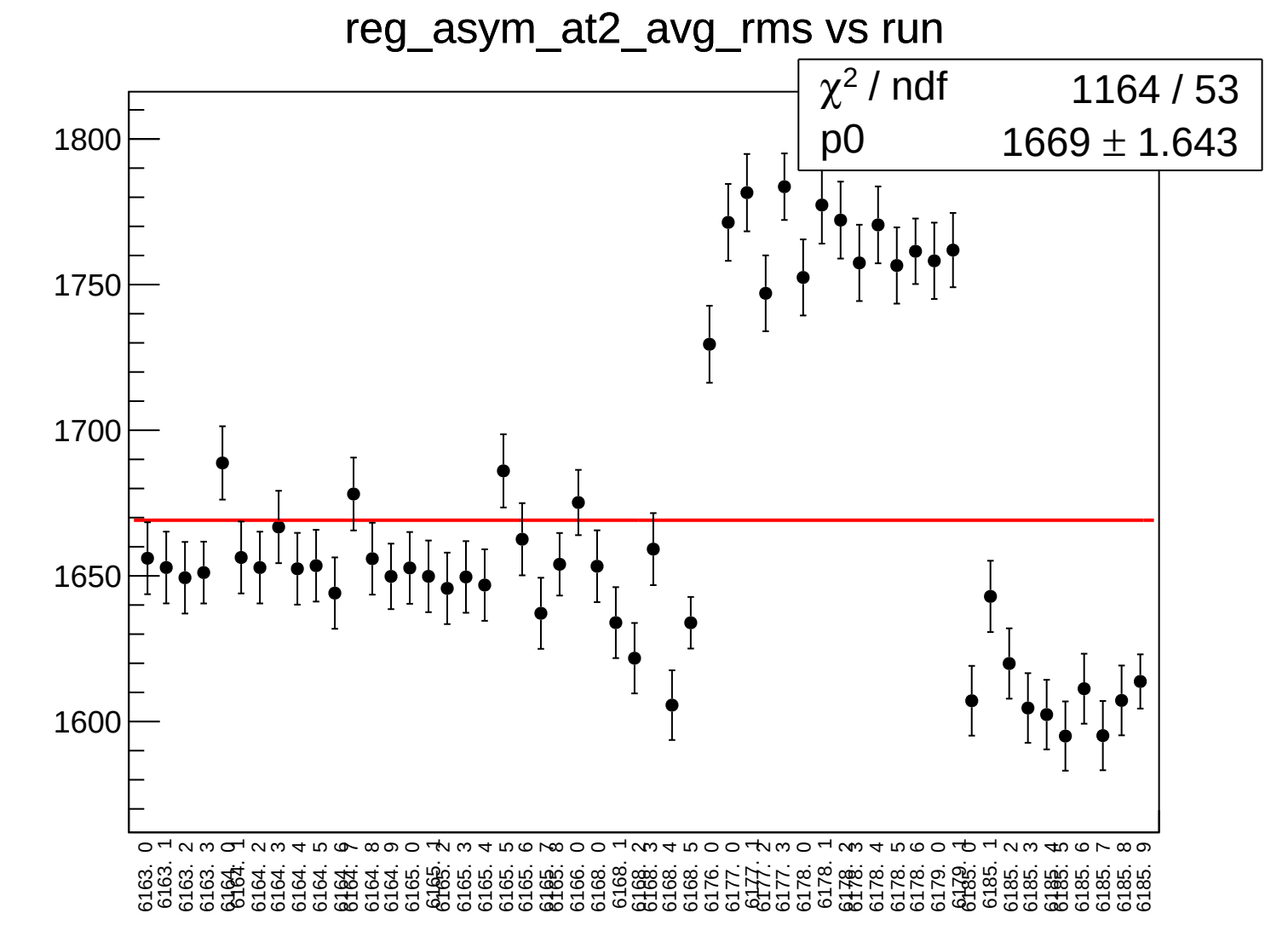

asym_at1_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 53.79 / 53
p0 −6.351e−14 ± 4.804e−14
pull
Entries 54
Mean −265.4
Std Dev 0

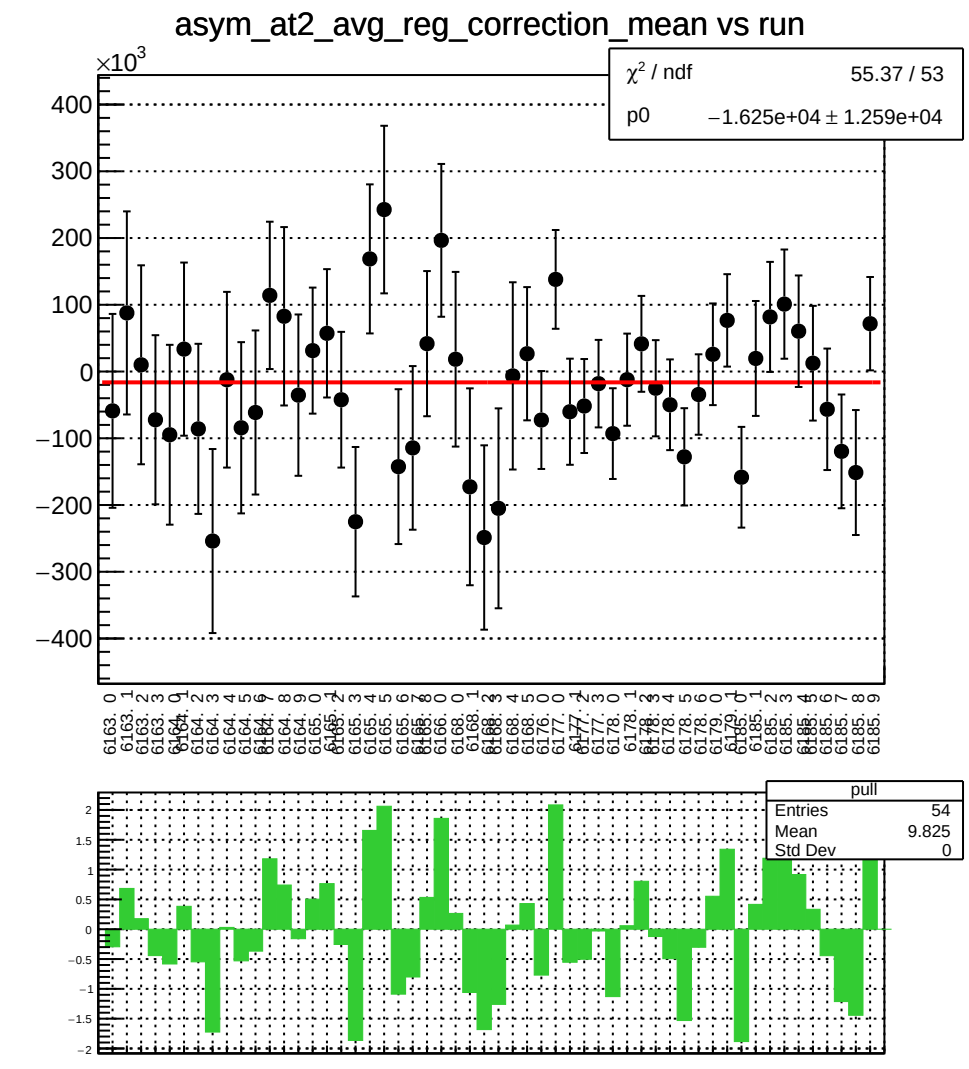

pull1D
Entries 54
Mean −0.01707
Std Dev 0.9979

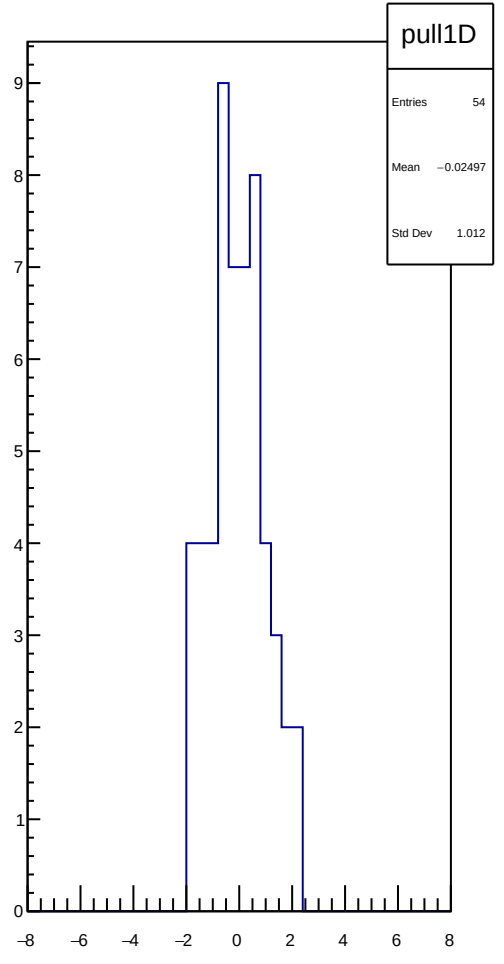

asym_at1_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.729e+05 / 53
p0 2.304e−11 ± 3.397e−14
0.5
0.4
0.3
0.2
0.1
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

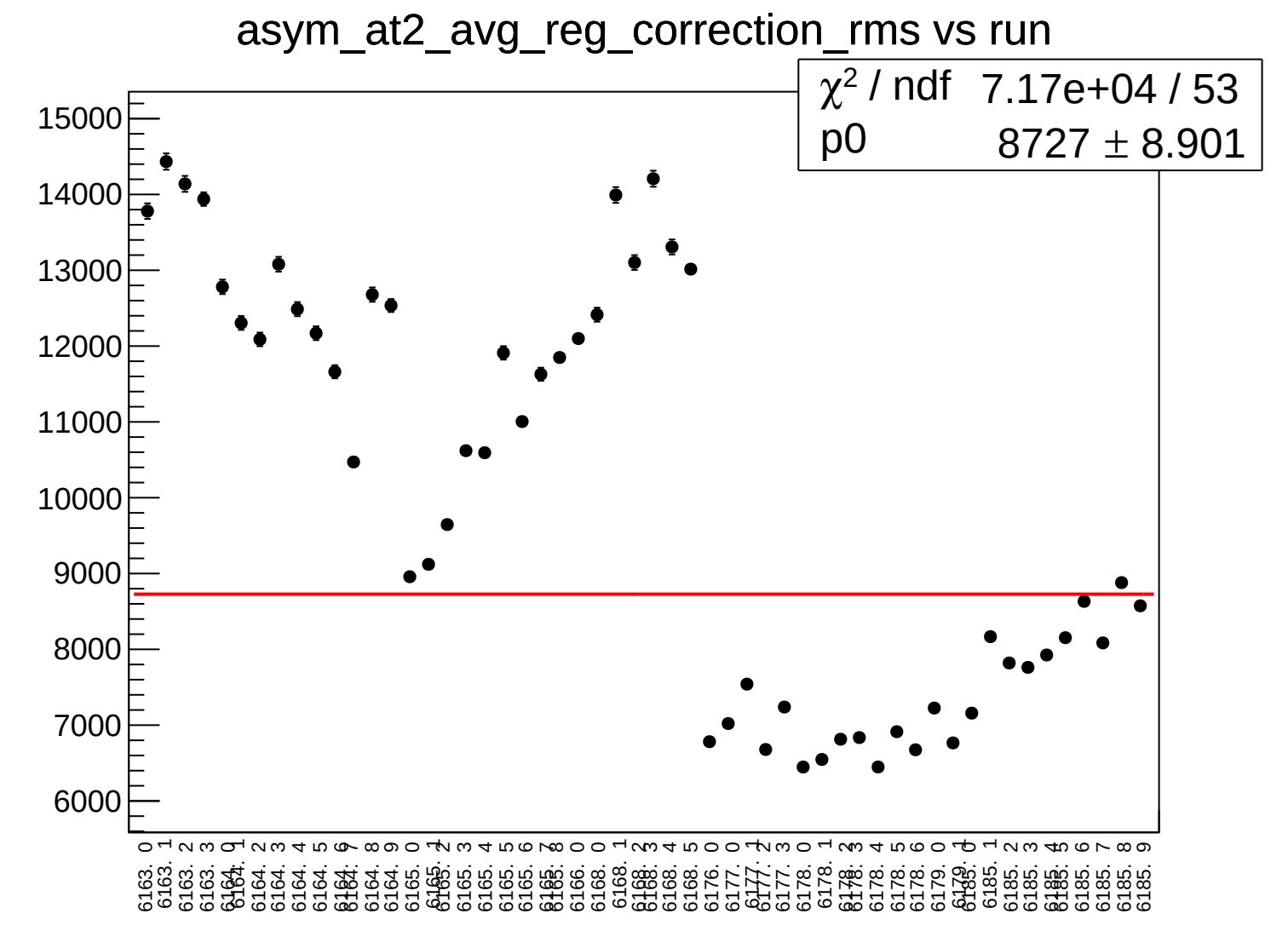

reg_asym_at2_avg_mean vs run
χ² / ndf 83.01 / 53
p0 3777 ± 2324
pull
Entries 54
Mean −571.1
Std Dev 0

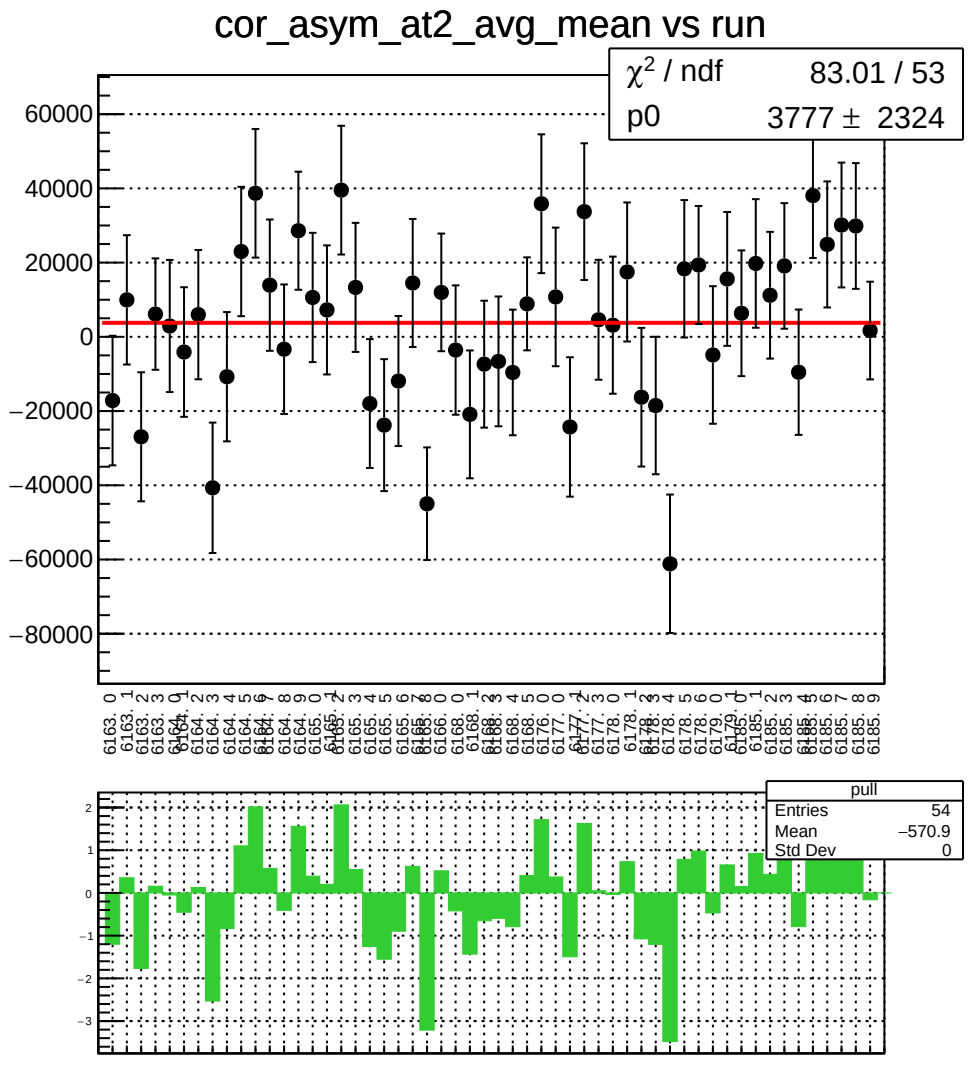

pull1D
Entries 54
Mean −0.006824
Std Dev 1.24

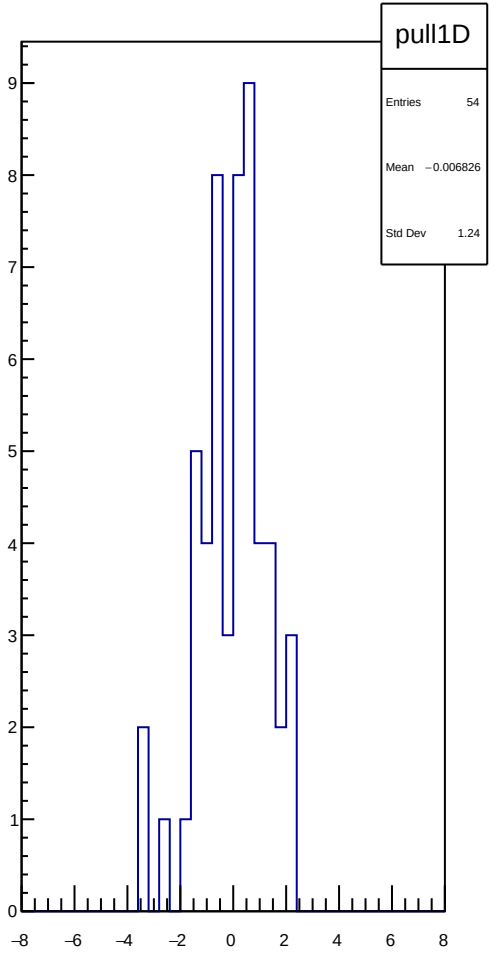

reg_asym_at2_avg_rms vs run
χ² / ndf 1164 / 53
p0 1669 ± 1.643
1800
1750
1700
1650
1600
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

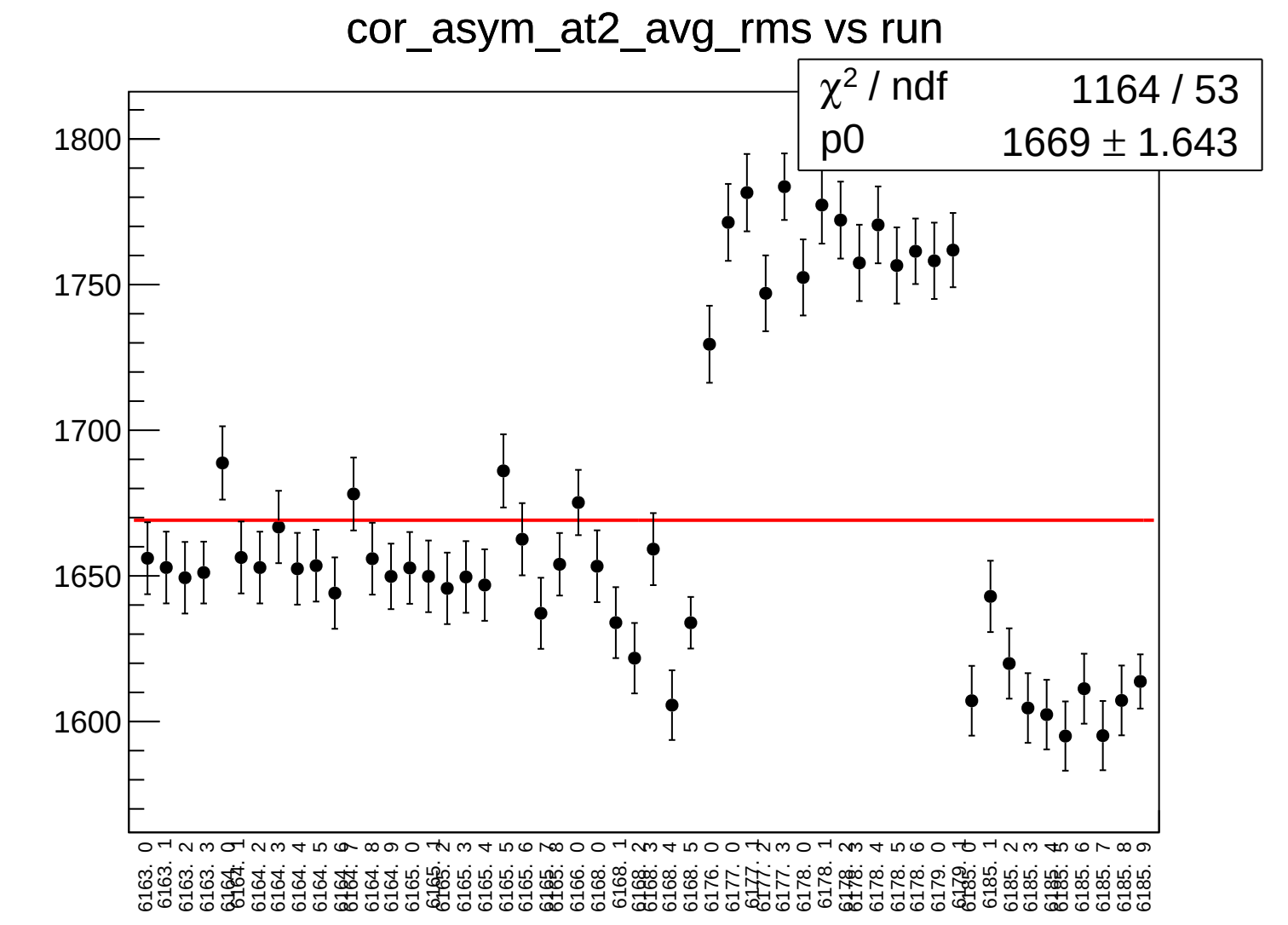

asym_at2_avg_reg_correction_mean vs run
×10^3
χ² / ndf 55.37 / 53
p0 −1.625e+04 ± 1.259e+04
pull
Entries 54
Mean 9.825
Std Dev 0

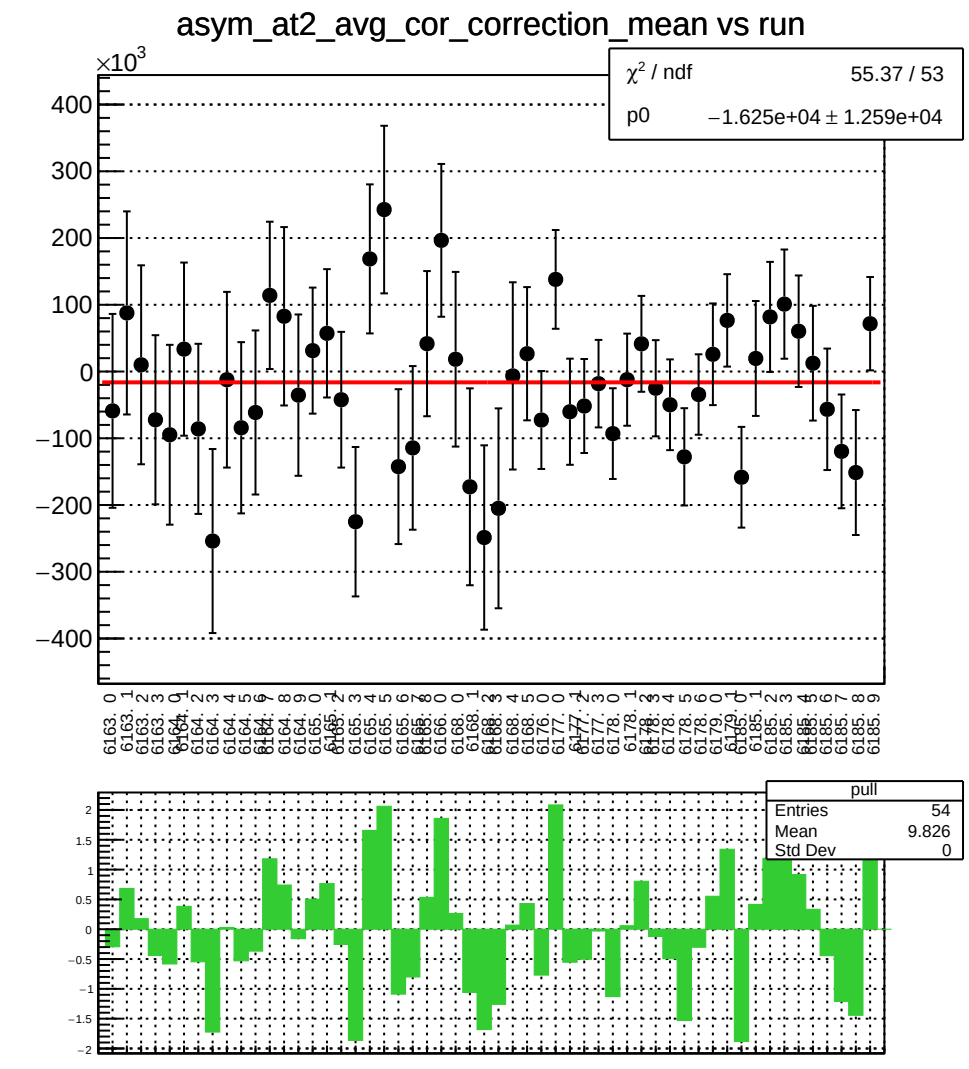

pull1D
Entries 54
Mean −0.02497
Std Dev 1.012

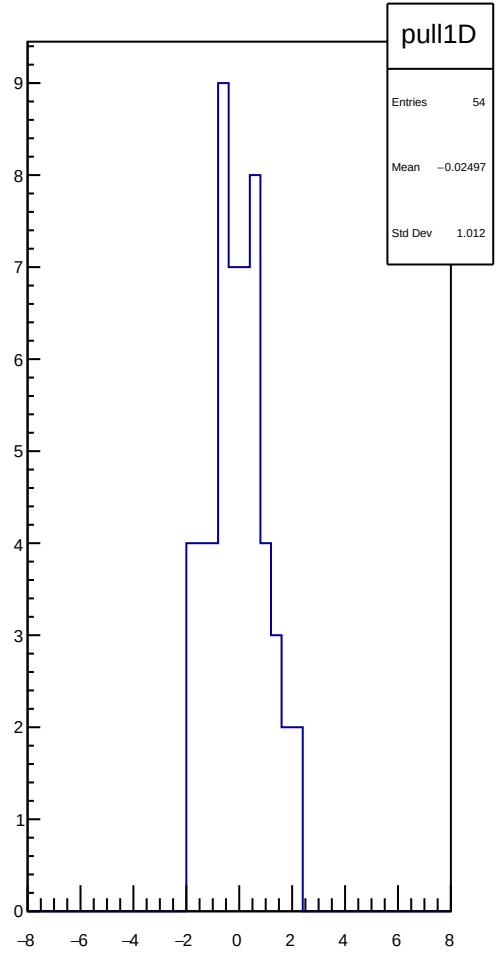

asym_at2_avg_reg_correction_rms vs run
χ² / ndf 7.17e+04 / 53
p0 8727 ± 8.901
15000
14000
13000
12000
11000
10000
9000
8000
7000
6000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

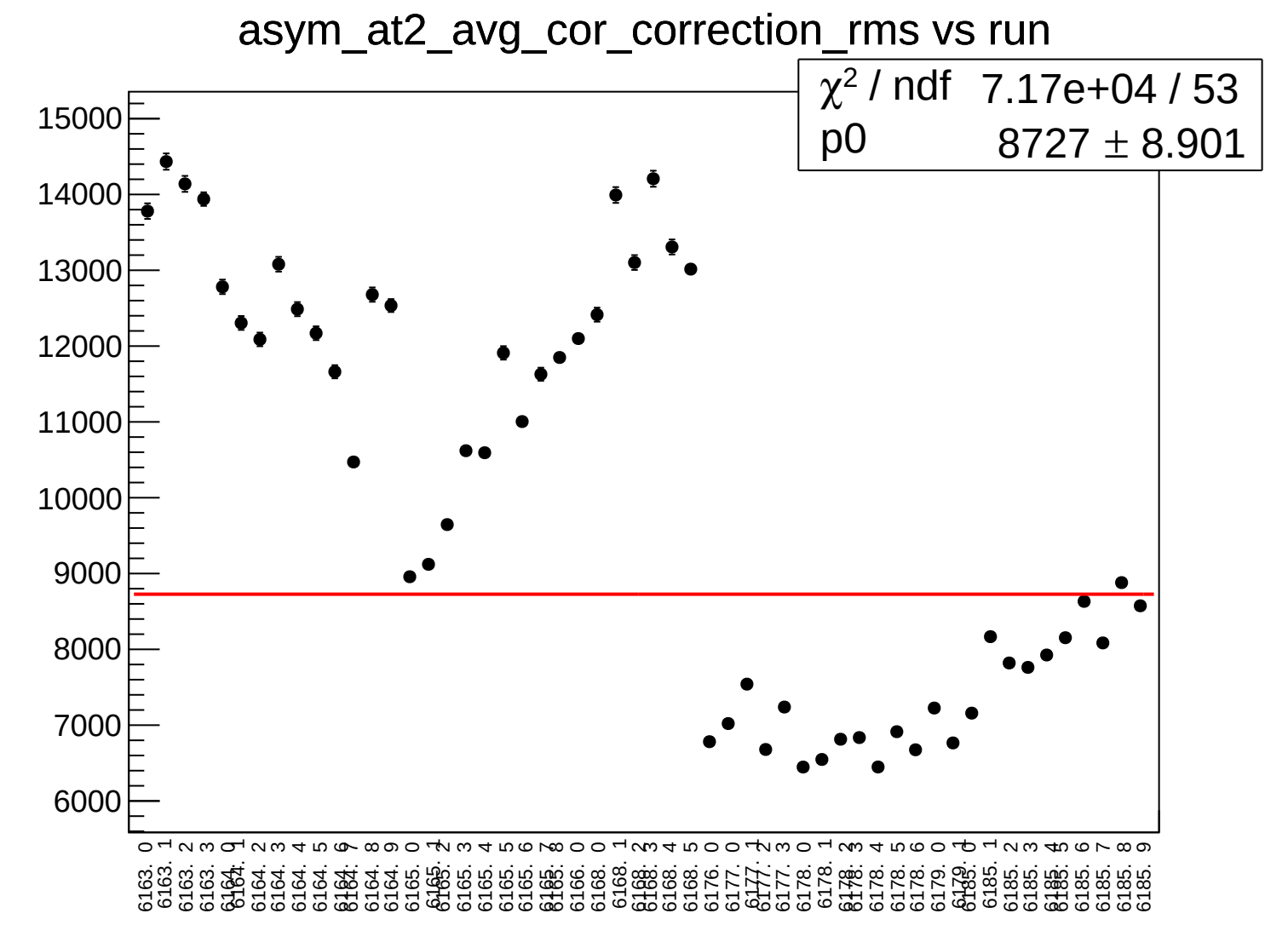

cor_asym_at2_avg_mean vs run
χ² / ndf 83.01 / 53
p0 3777 ± 2324
pull
Entries 54
Mean −570.9
Std Dev 0

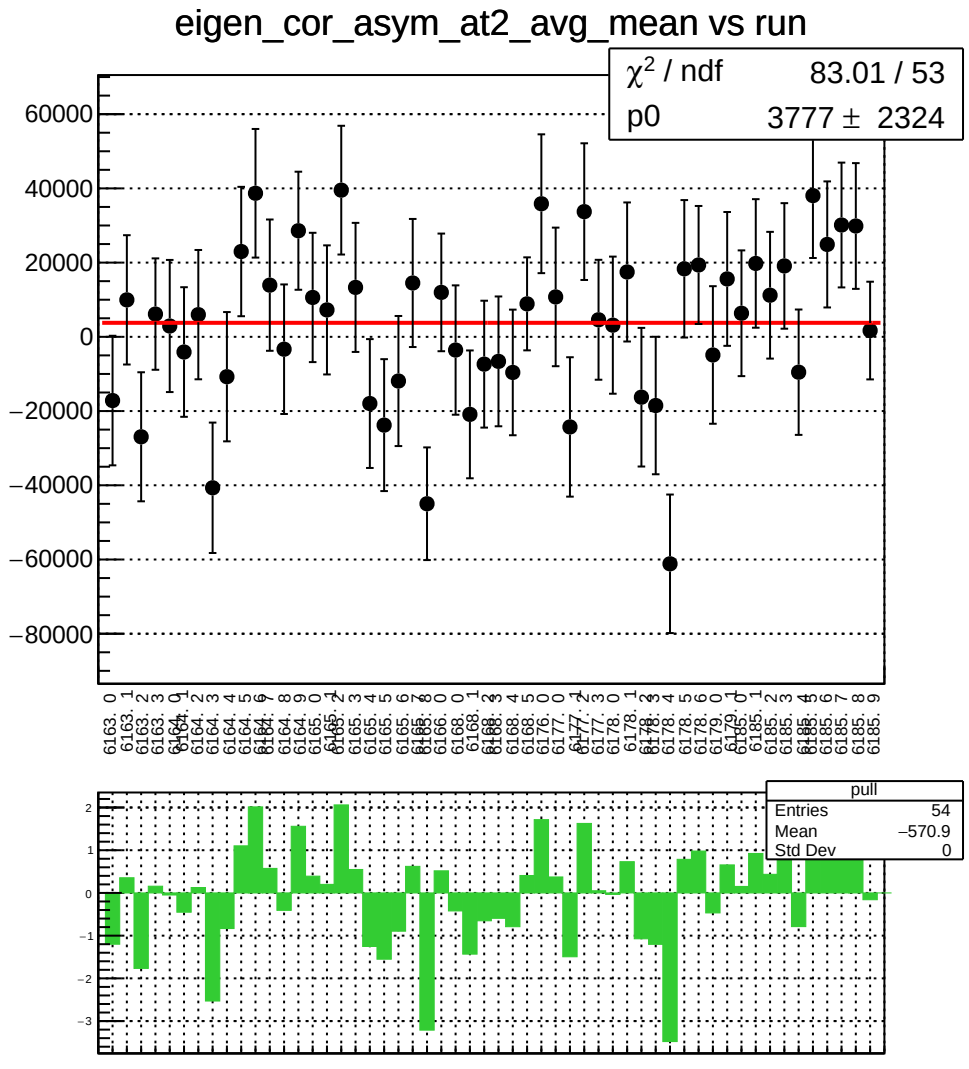

pull1D
Entries 54
Mean −0.006826
Std Dev 1.24

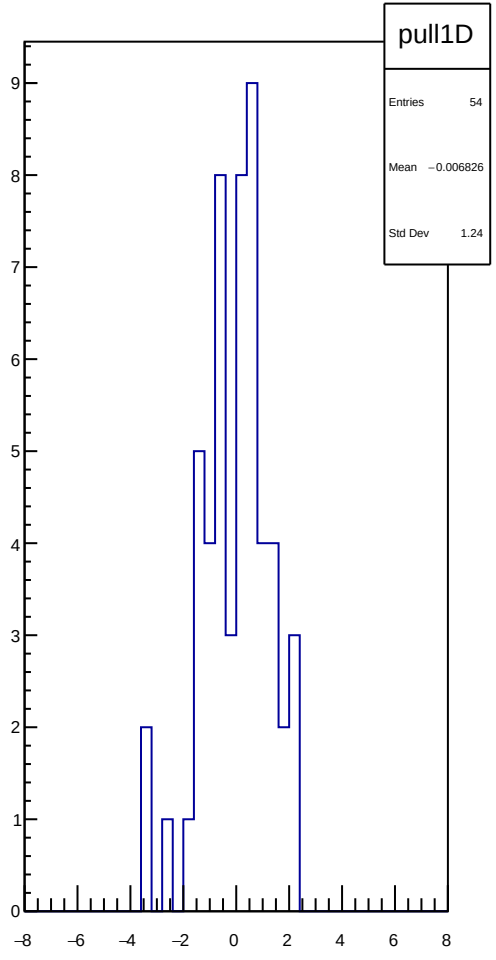

cor_asym_at2_avg_rms vs run
χ² / ndf 1164 / 53
p0 1669 ± 1.643
1800
1750
1700
1650
1600
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

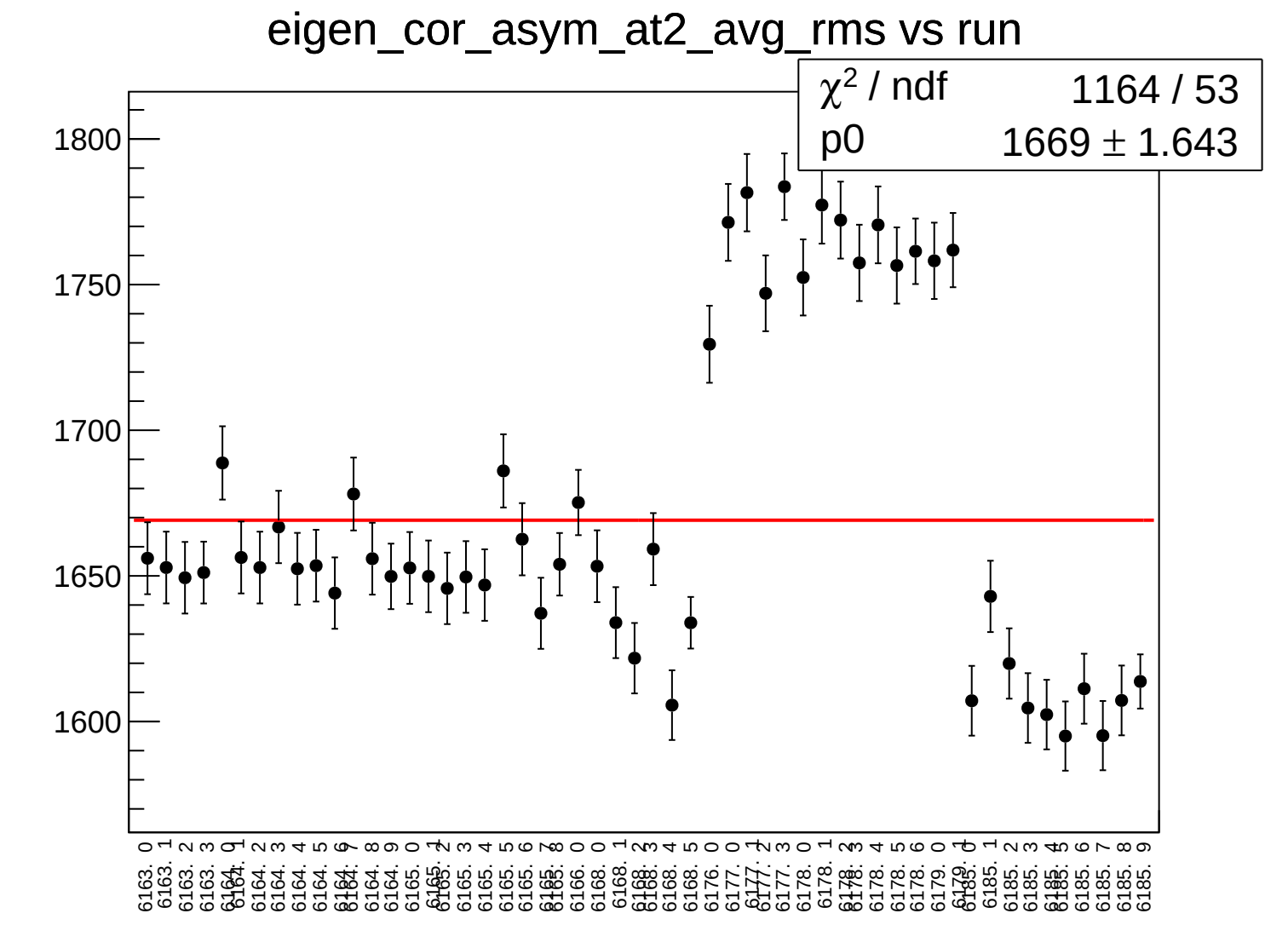

asym_at2_avg_cor_correction_mean vs run
×10^3
χ² / ndf 55.37 / 53
p0 −1.625e+04 ± 1.259e+04
pull
Entries 54
Mean 9.826
Std Dev 0


pull1D
Entries 54
Mean −0.02497
Std Dev 1.012


asym_at2_avg_cor_correction_rms vs run
χ² / ndf 7.17e+04 / 53
p0 8727 ± 8.901
15000
14000
13000
12000
11000
10000
9000
8000
7000
6000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


eigen_cor_asym_at2_avg_mean vs run
χ² / ndf 83.01 / 53
p0 3777 ± 2324
pull
Entries 54
Mean −570.9
Std Dev 0


pull1D
Entries 54
Mean −0.006826
Std Dev 1.24


eigen_cor_asym_at2_avg_rms vs run
χ² / ndf 1164 / 53
p0 1669 ± 1.643
1800
1750
1700
1650
1600
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
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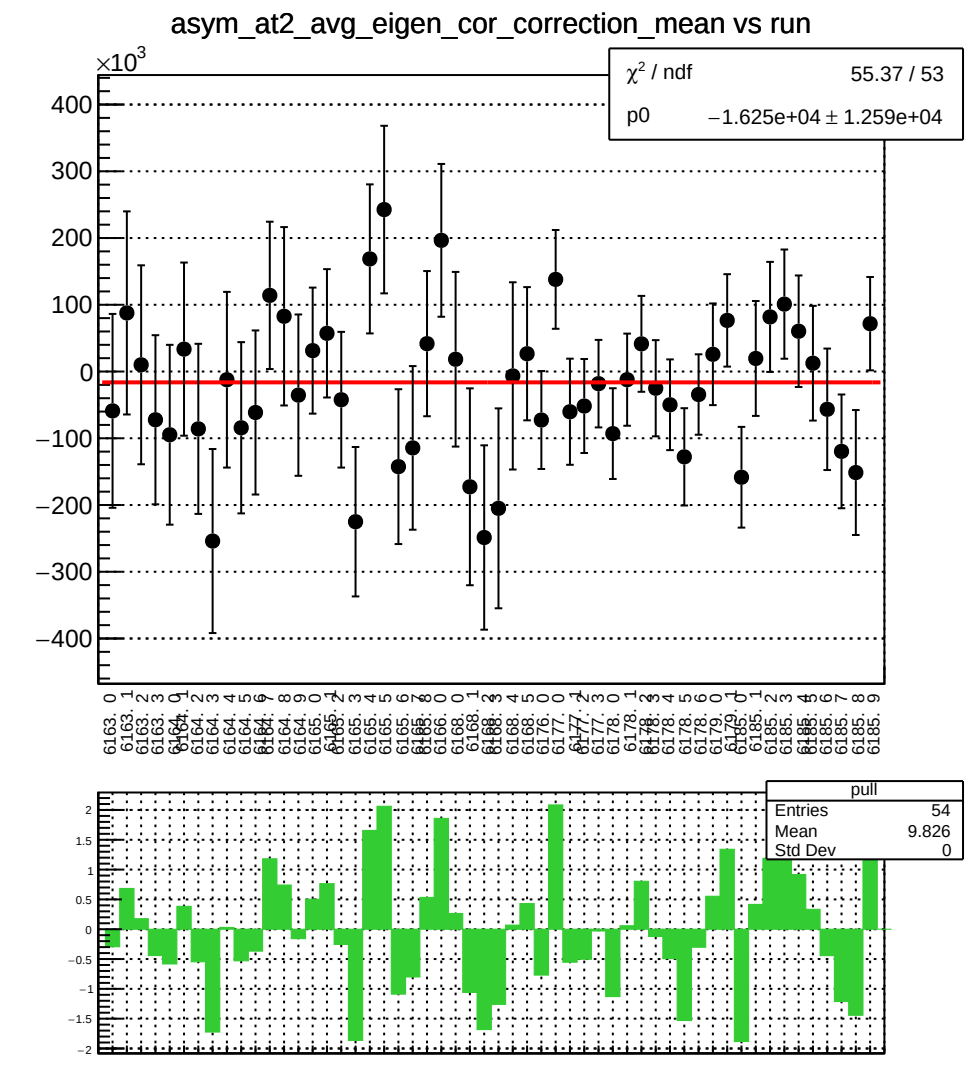
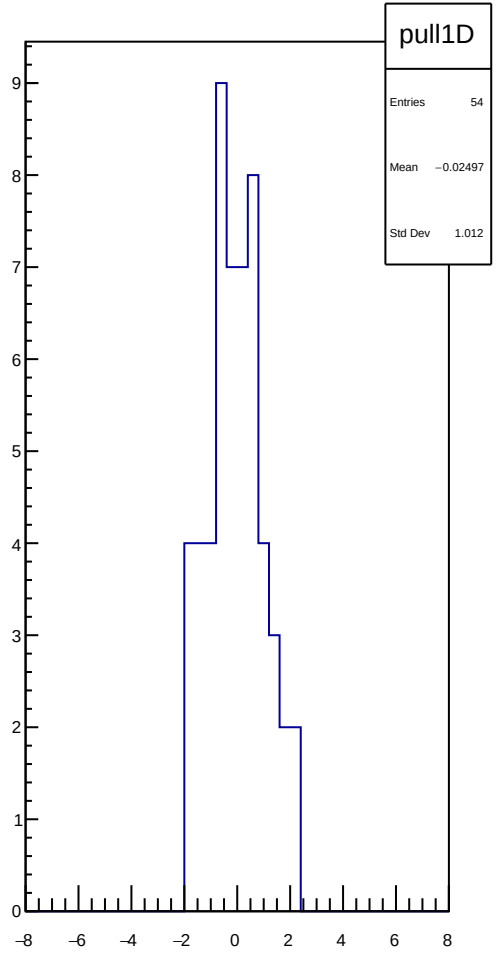
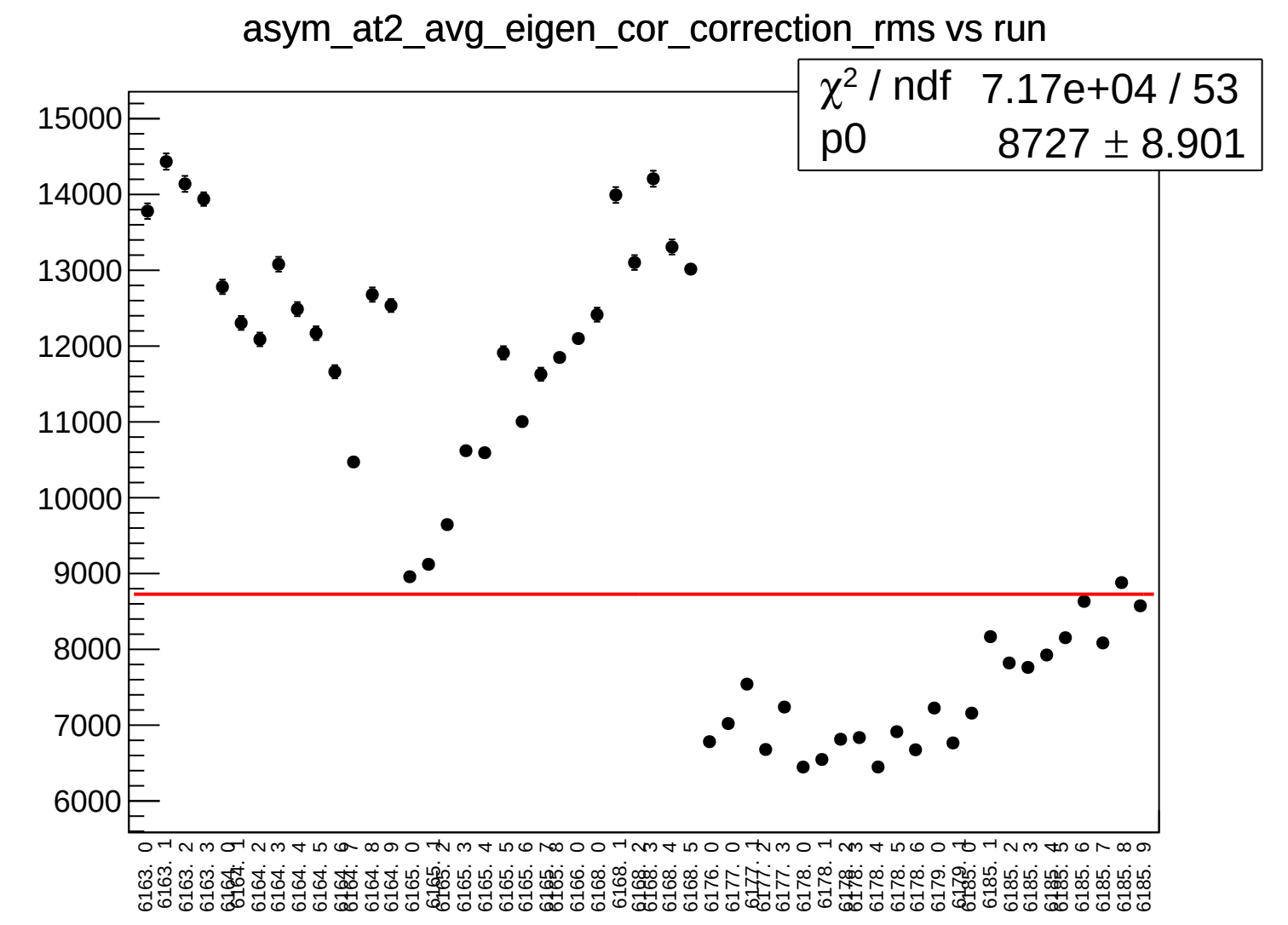
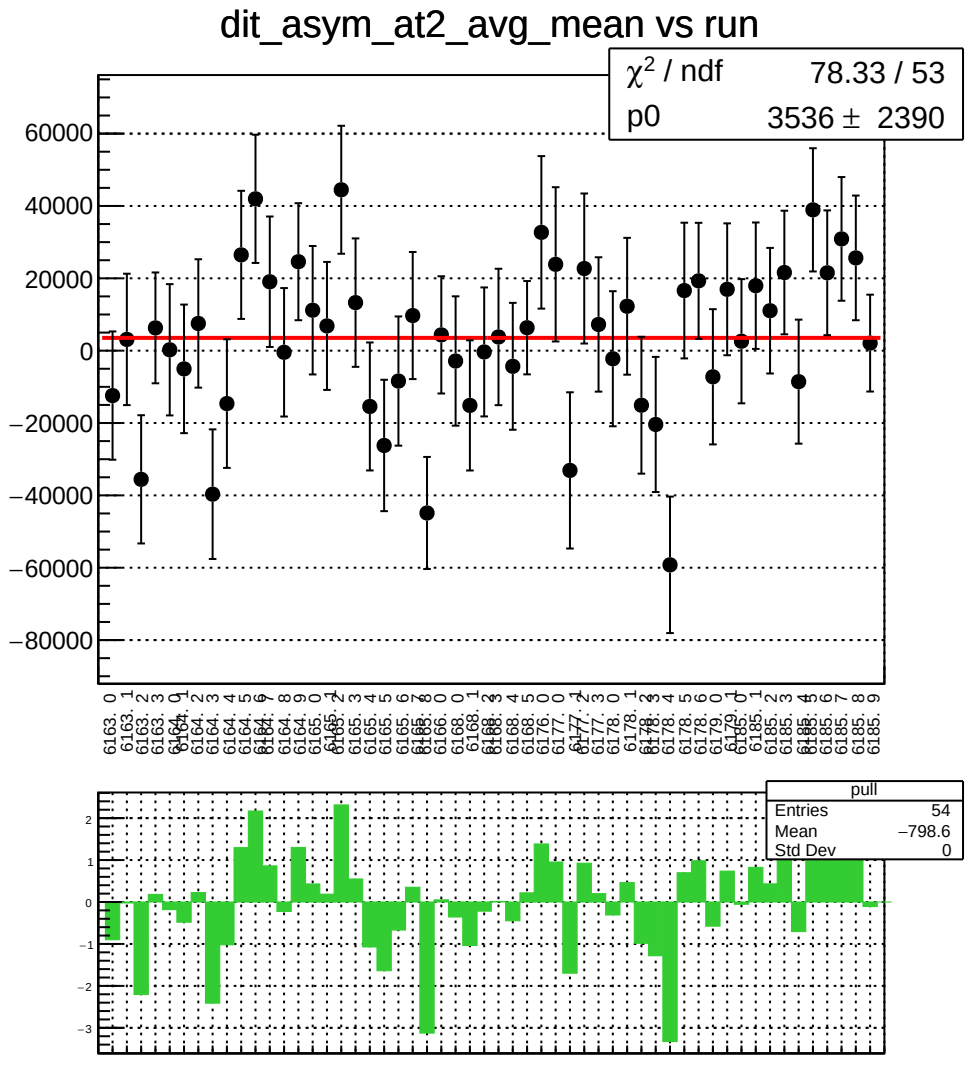
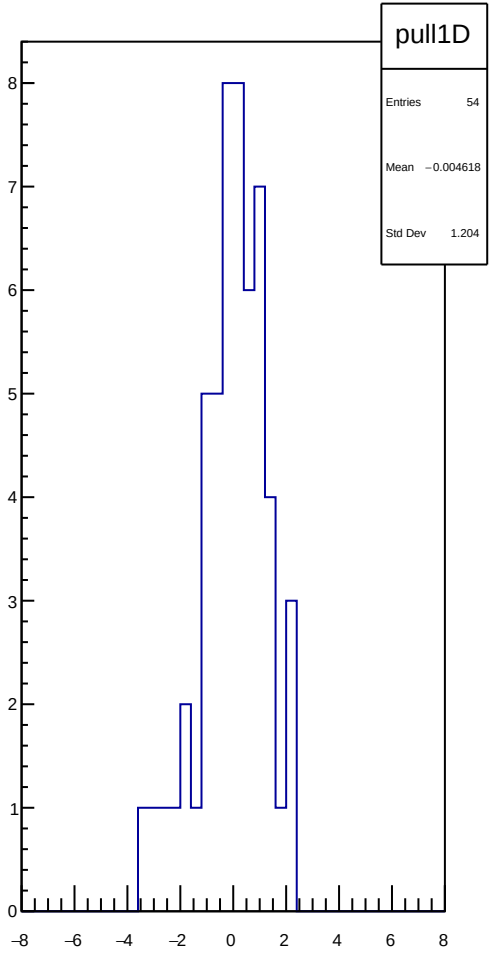
6185. 8
6185. 9

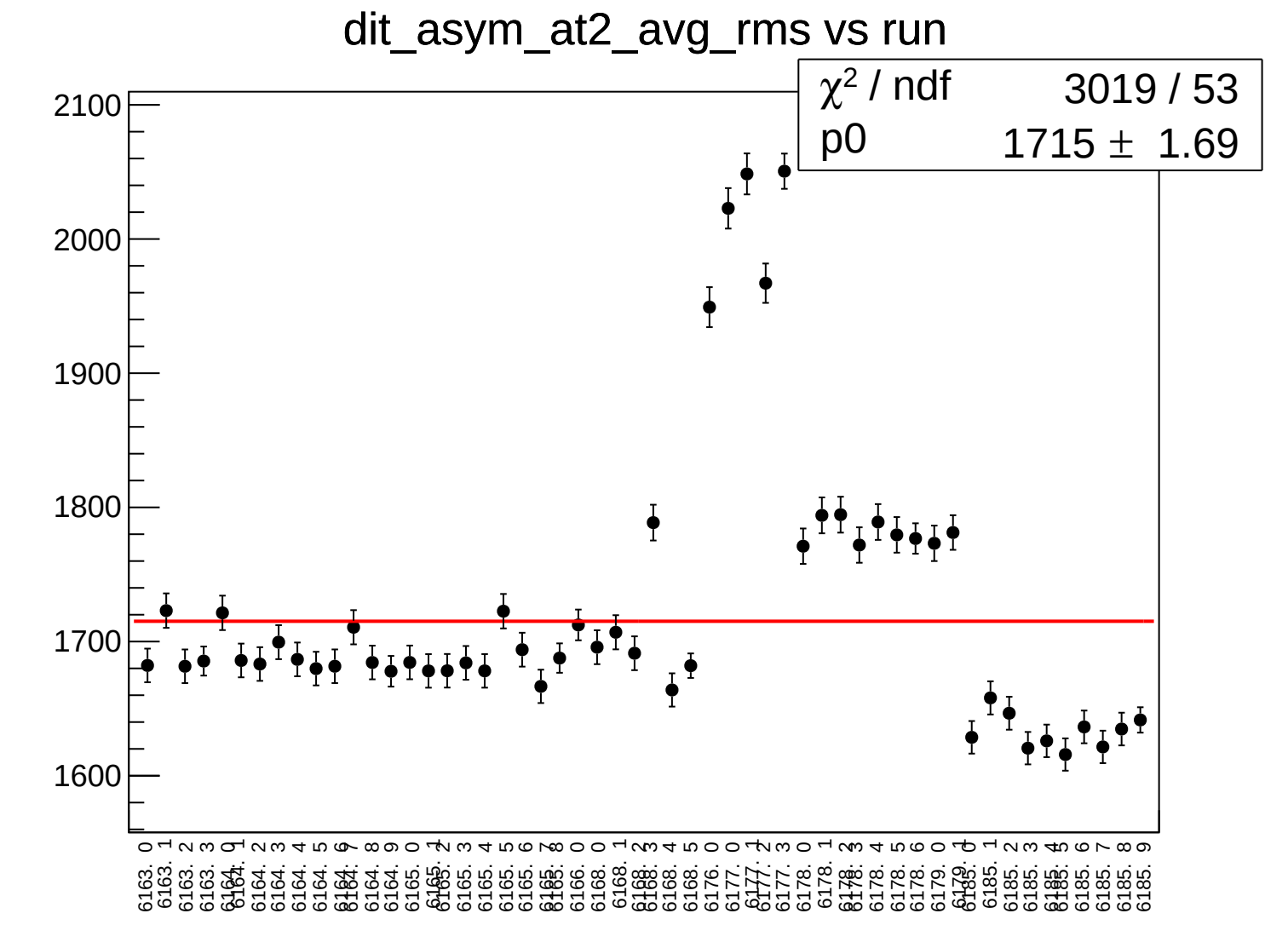

asym_at2_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 55.37 / 53
p0 −1.625e+04 ± 1.259e+04
pull
Entries 54
Mean 9.826
Std Dev 0

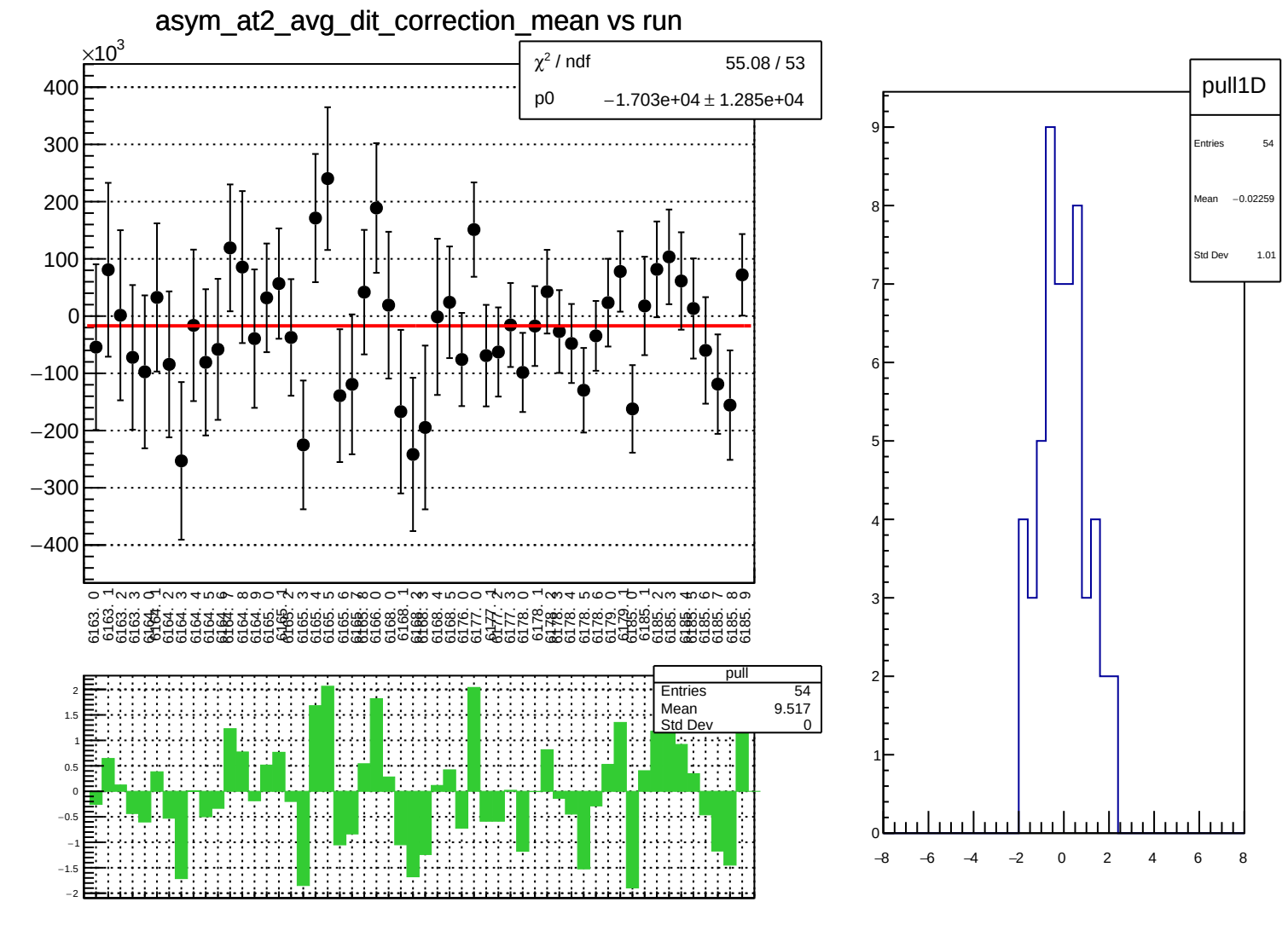

pull1D
Entries 54
Mean −0.02497
Std Dev 1.012

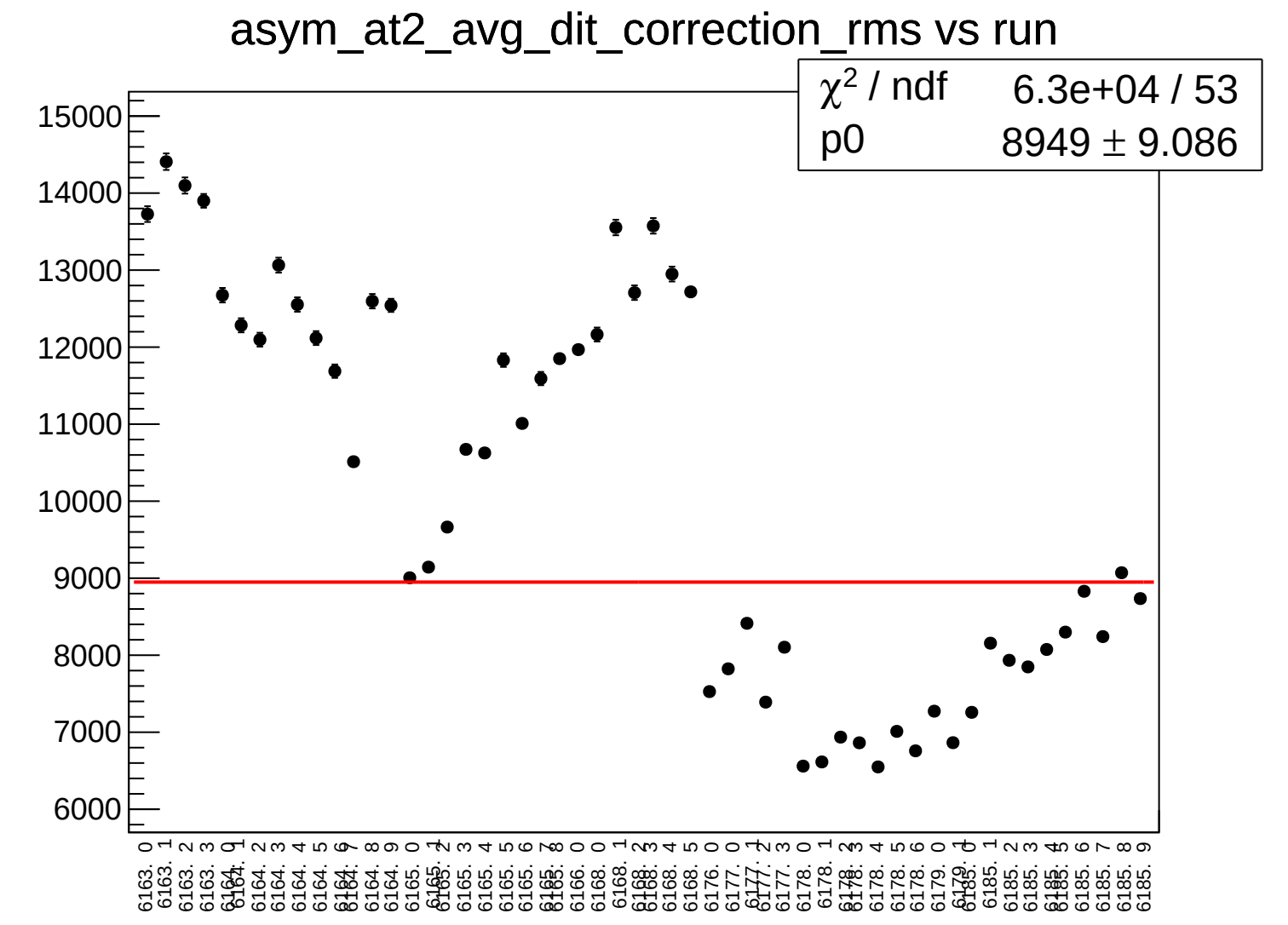

asym_at2_avg_eigen_cor_correction_rms vs run
χ² / ndf 7.17e+04 / 53
p0 8727 ± 8.901
15000
14000
13000
12000
11000
10000
9000
8000
7000
6000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

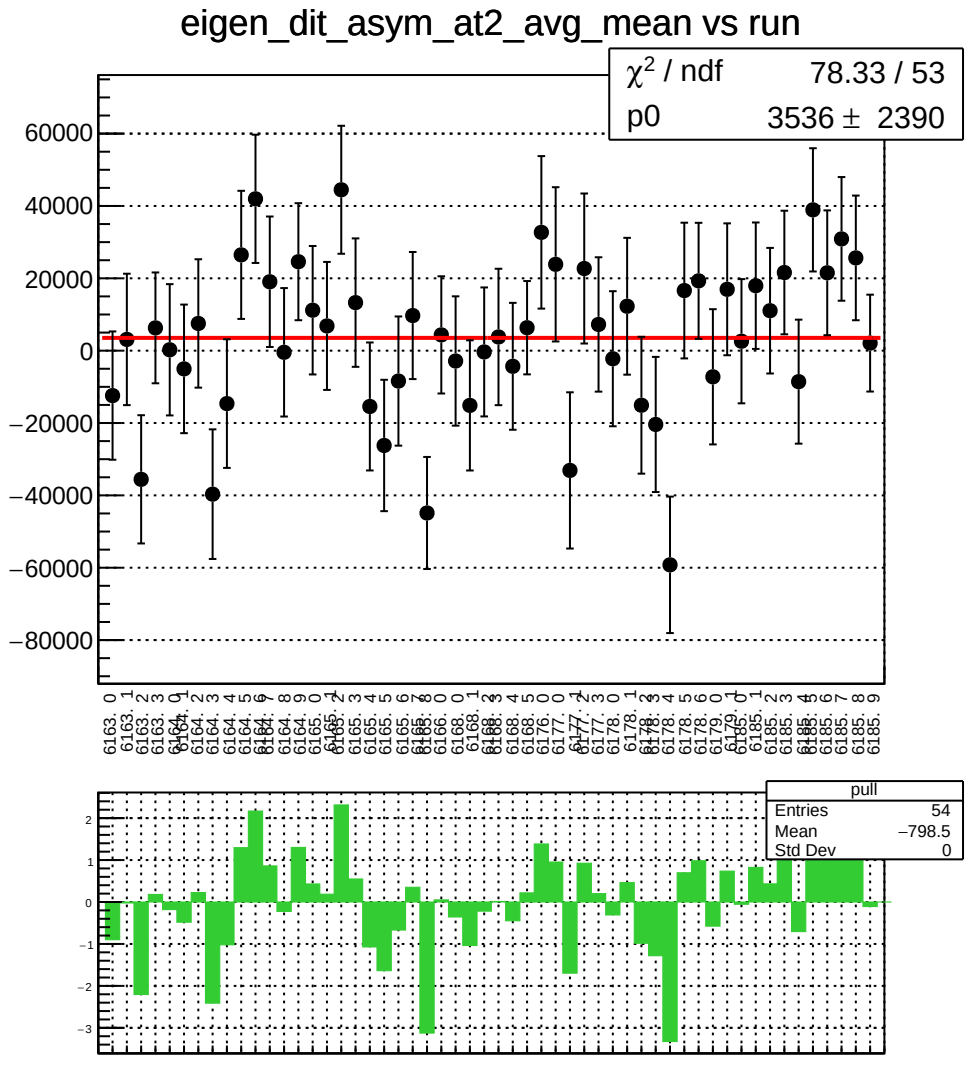

dit_asym_at2_avg_mean vs run
χ² / ndf 78.33 / 53
p0 3536 ± 2390
pull
Entries 54
Mean −798.6
Std Dev 0

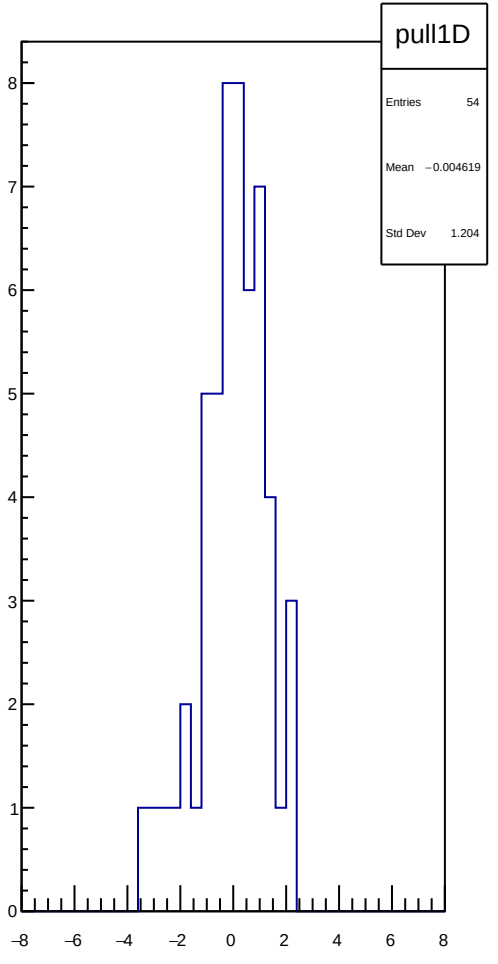

pull1D
Entries 54
Mean −0.004618
Std Dev 1.204

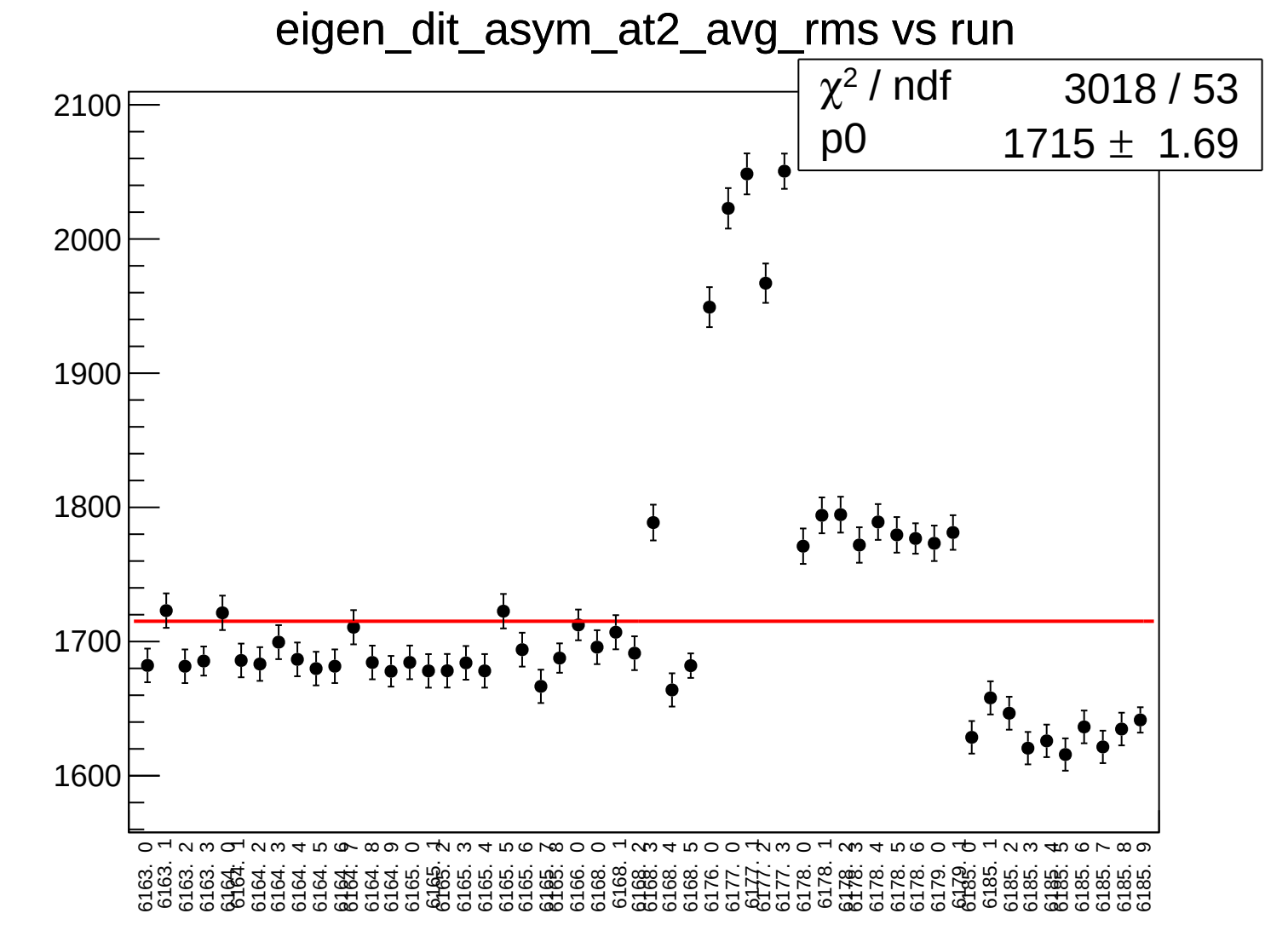

dit_asym_at2_avg_rms vs run
χ² / ndf 3019 / 53
p0 1715 ± 1.69
2100
2000
1900
1800
1700
1600
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

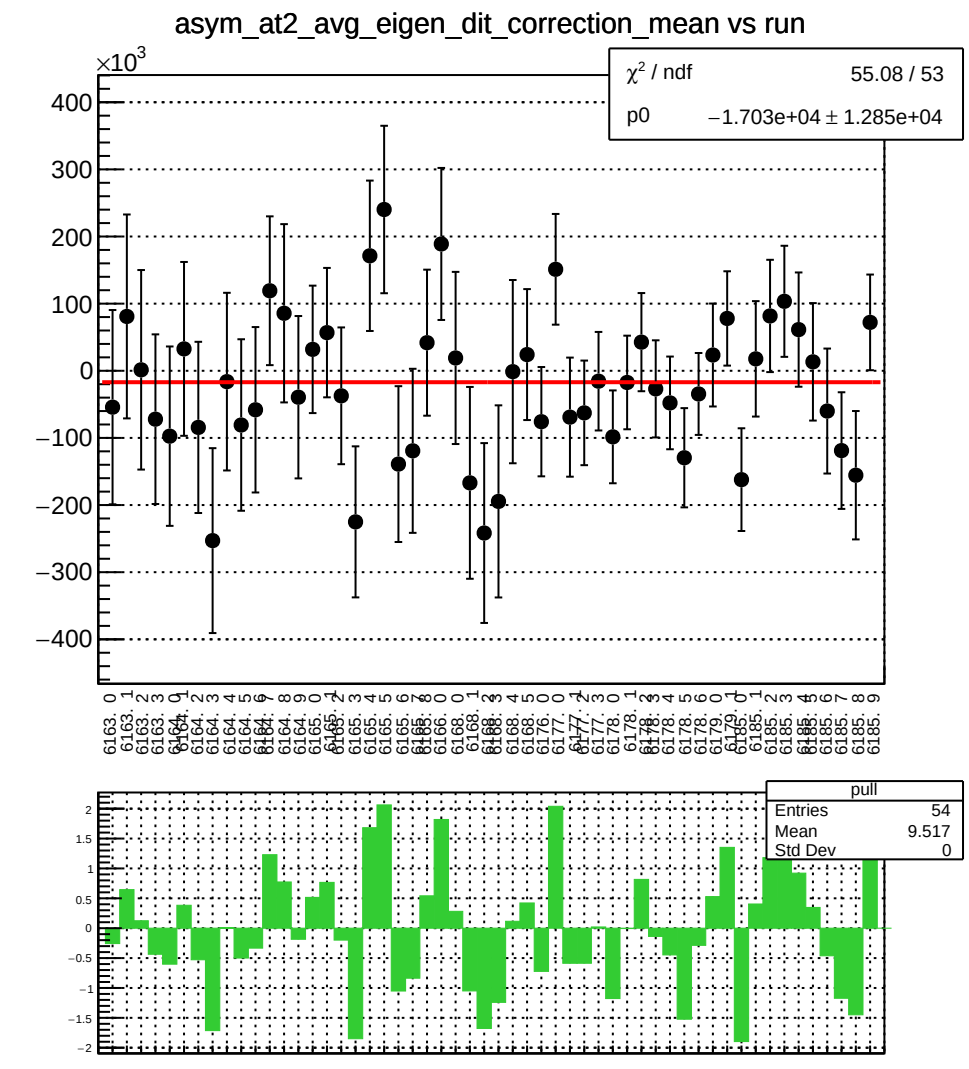

asym_at2_avg_dit_correction_mean vs run
×10^3
χ² / ndf 55.08 / 53
p0 −1.703e+04 ± 1.285e+04
pull
Entries 54
Mean 9.517
Std Dev 0
pull1D
Entries 54
Mean −0.02259
Std Dev 1.01

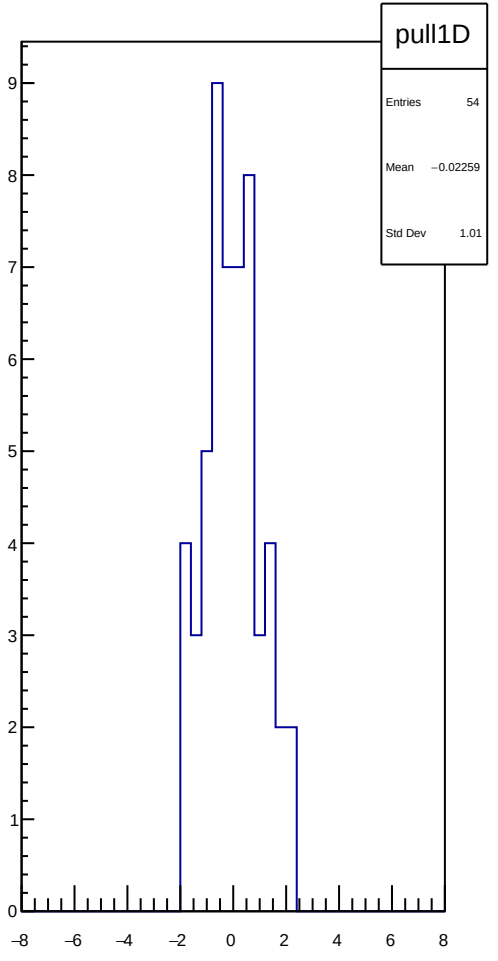

asym_at2_avg_dit_correction_rms vs run
χ² / ndf 6.3e+04 / 53
p0 8949 ± 9.086
15000
14000
13000
12000
11000
10000
9000
8000
7000
6000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

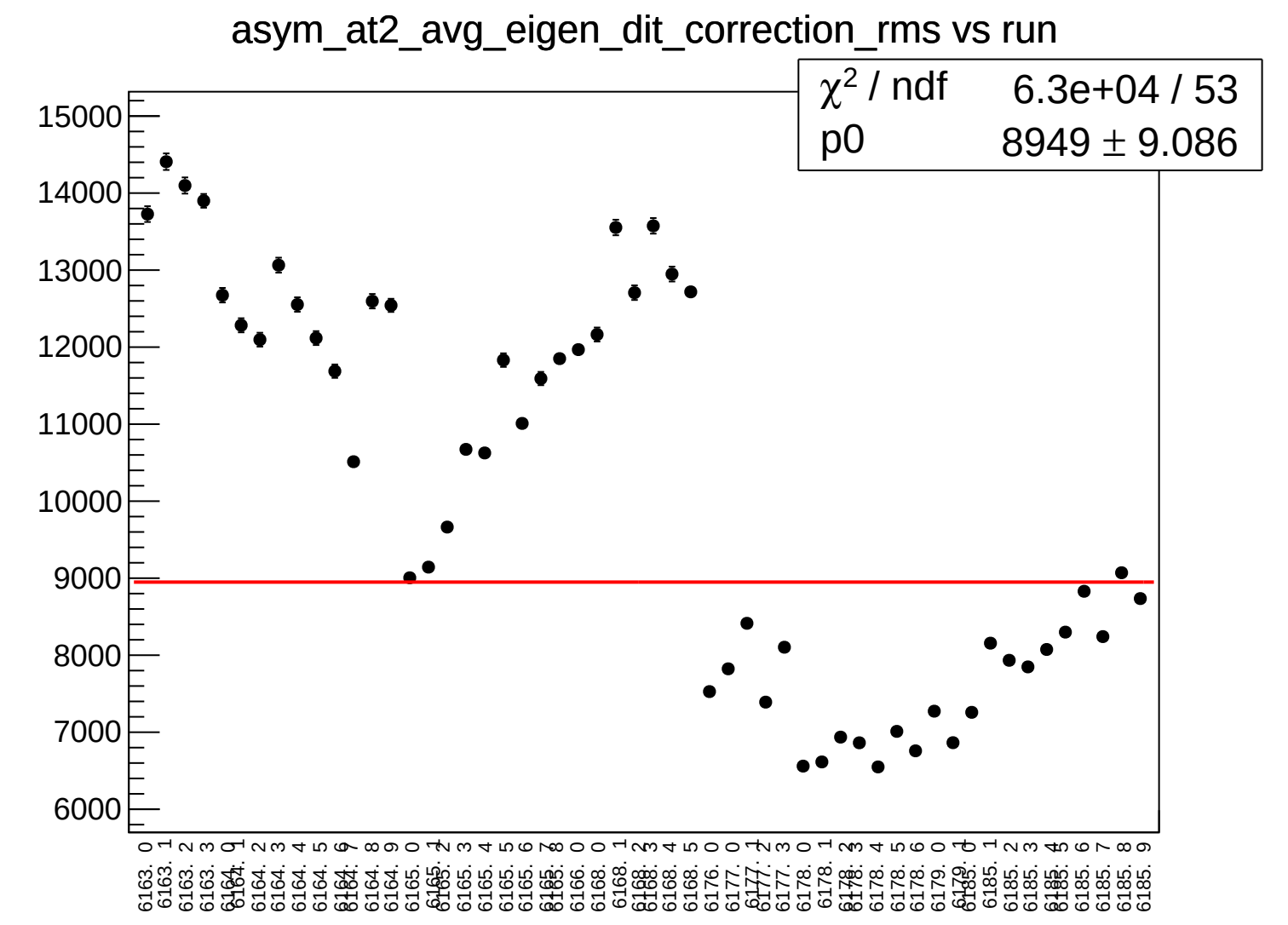

eigen_dit_asym_at2_avg_mean vs run
χ² / ndf 78.33 / 53
p0 3536 ± 2390
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 54
Mean −798.5
Std Dev 0
2
1
0
−1
−2
−3

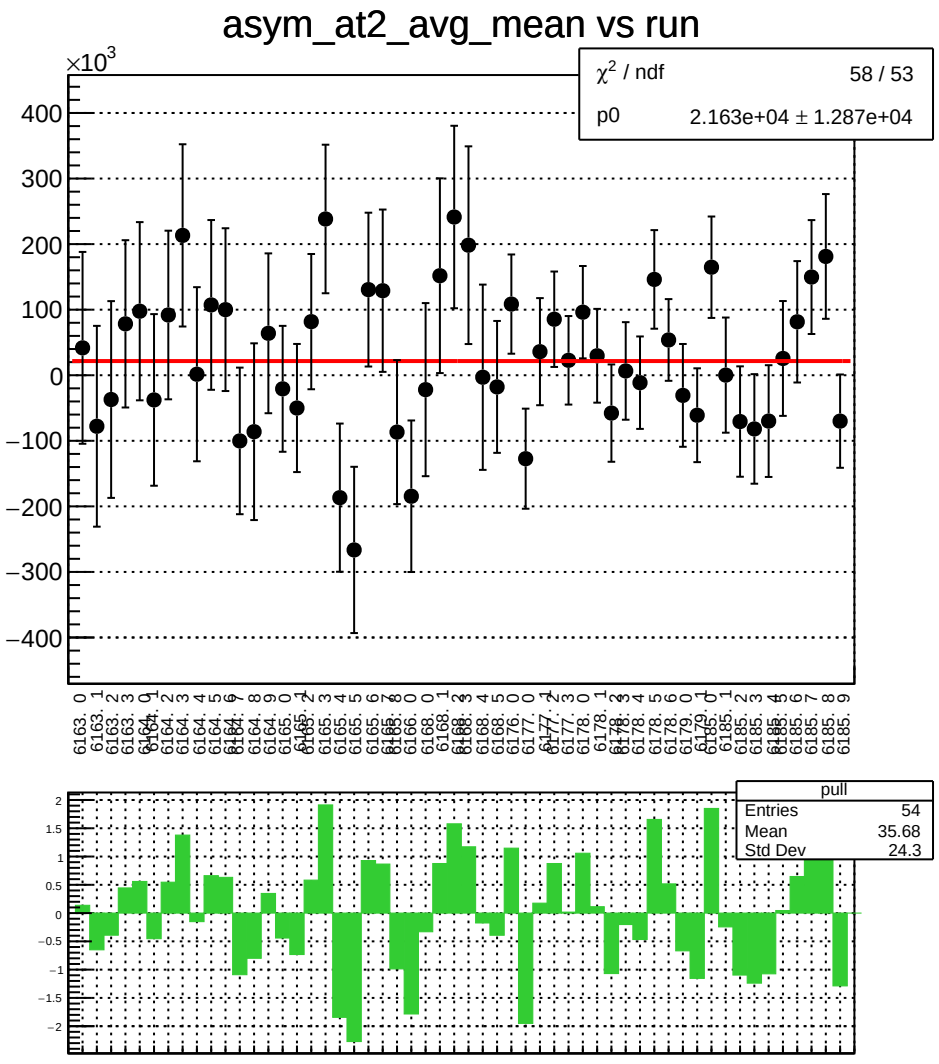

pull1D
Entries 54
Mean −0.004619
Std Dev 1.204
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

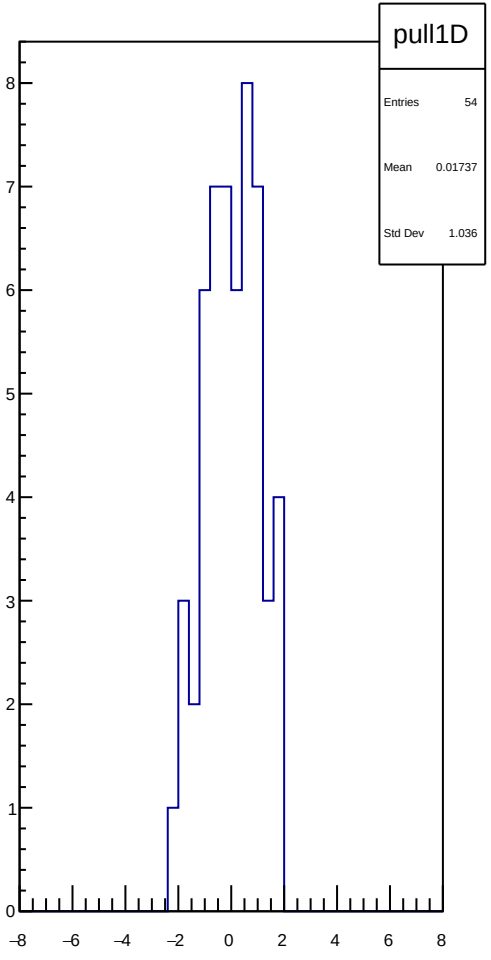

eigen_dit_asym_at2_avg_rms vs run
χ² / ndf 3018 / 53
p0 1715 ± 1.69
2100
2000
1900
1800
1700
1600
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

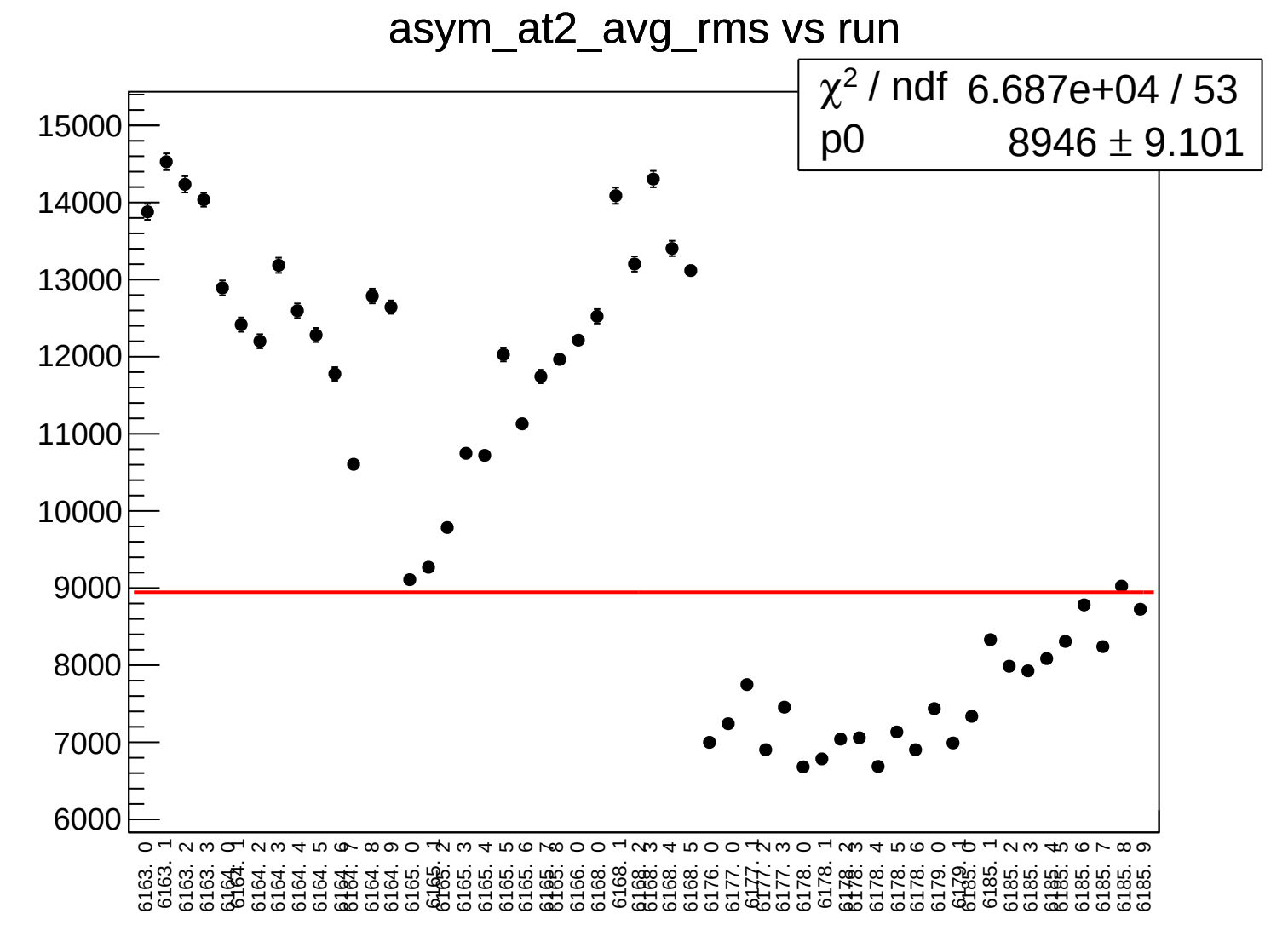

asym_at2_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 55.08 / 53
p0 −1.703e+04 ± 1.285e+04
pull
Entries 54
Mean 9.517
Std Dev 0

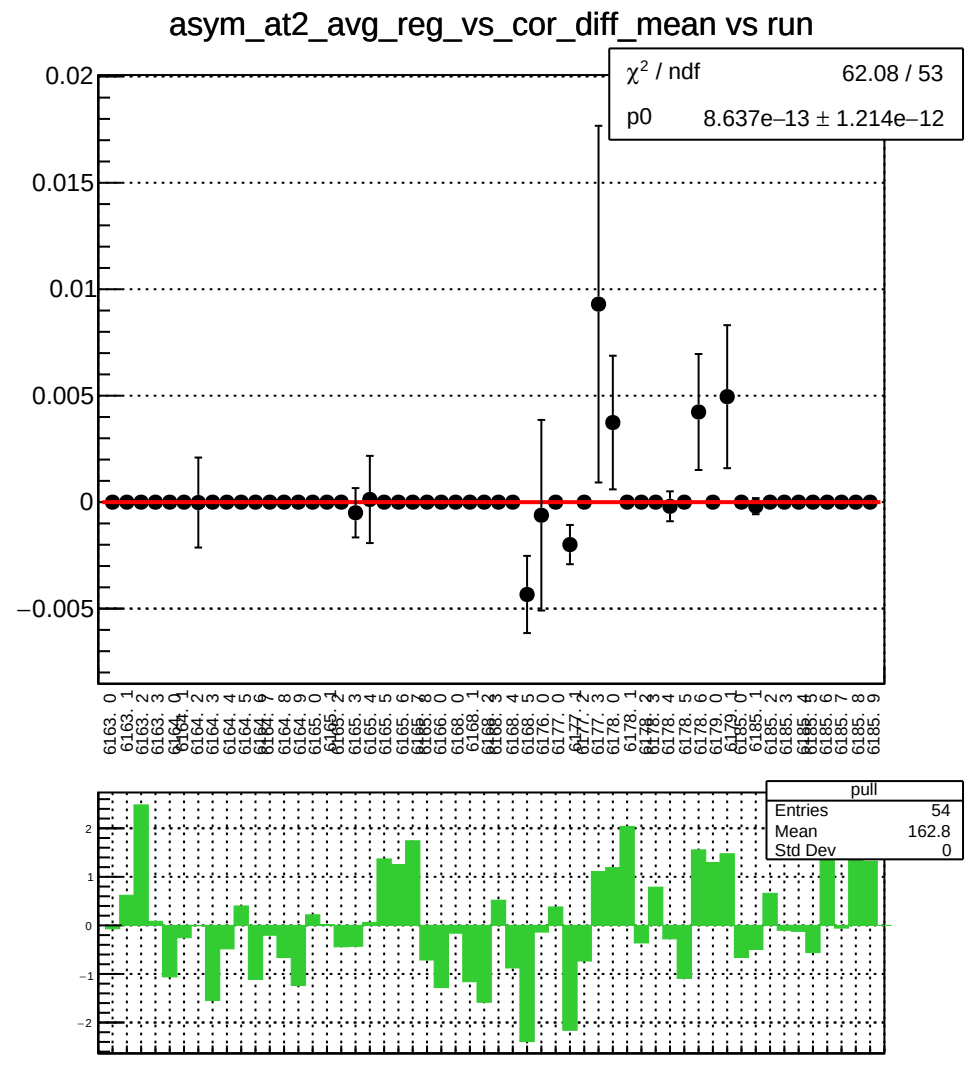

pull1D
Entries 54
Mean −0.02259
Std Dev 1.01

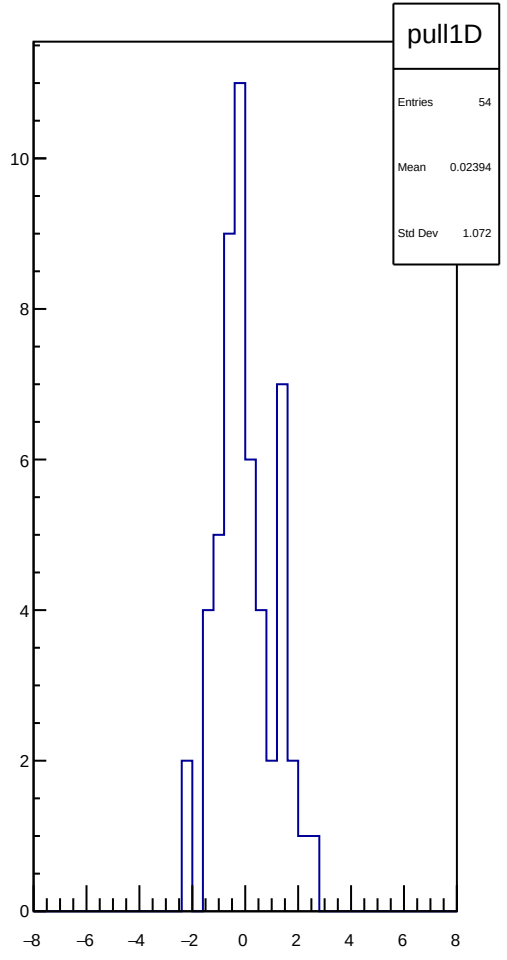

asym_at2_avg_eigen_dit_correction_rms vs run
χ² / ndf 6.3e+04 / 53
p0 8949 ± 9.086
15000
14000
13000
12000
11000
10000
9000
8000
7000
6000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

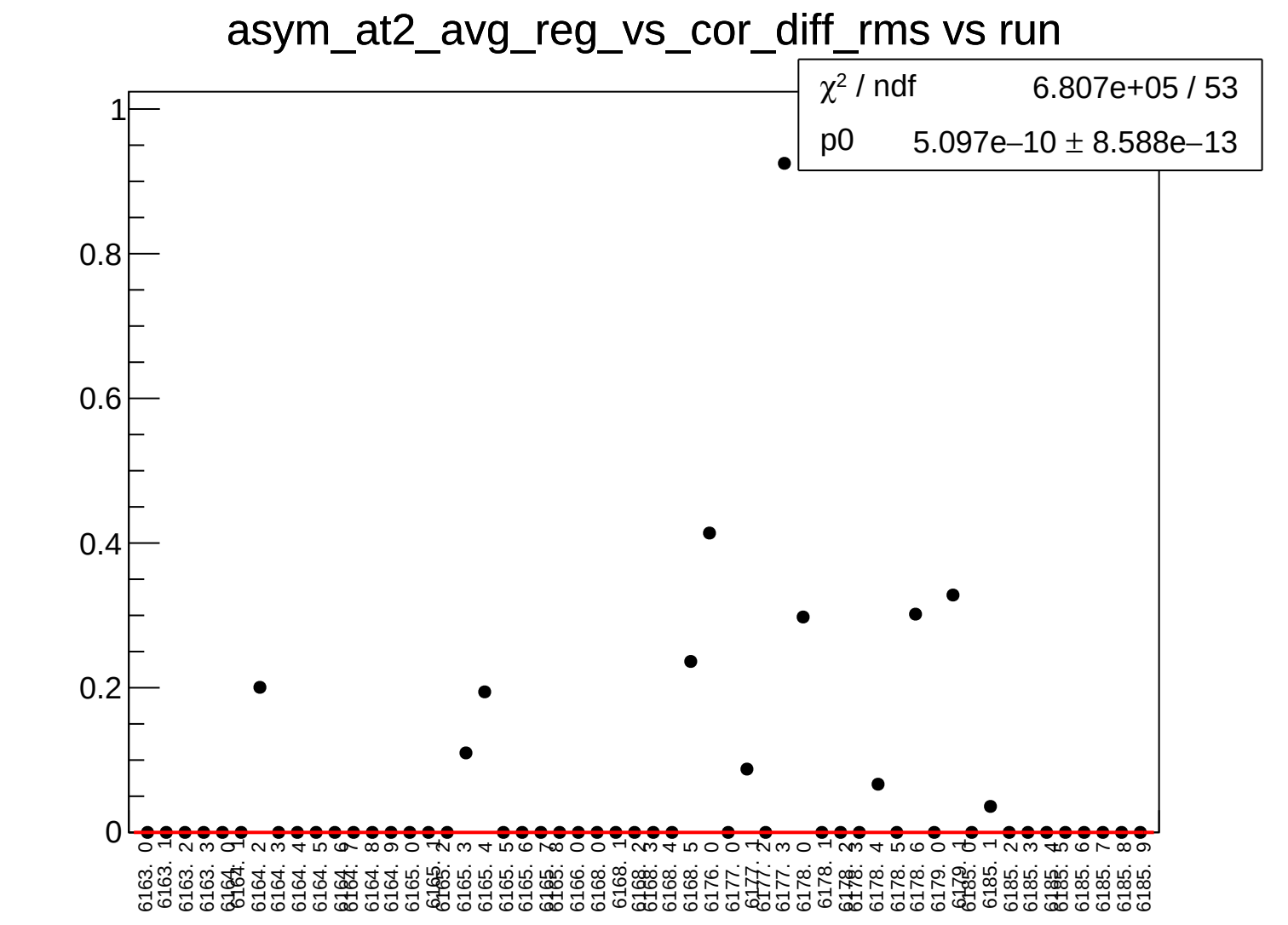

asym_at2_avg_mean vs run
×10^3
χ² / ndf 58 / 53
p0 2.163e+04 ± 1.287e+04
pull
Entries 54
Mean 35.68
Std Dev 24.3

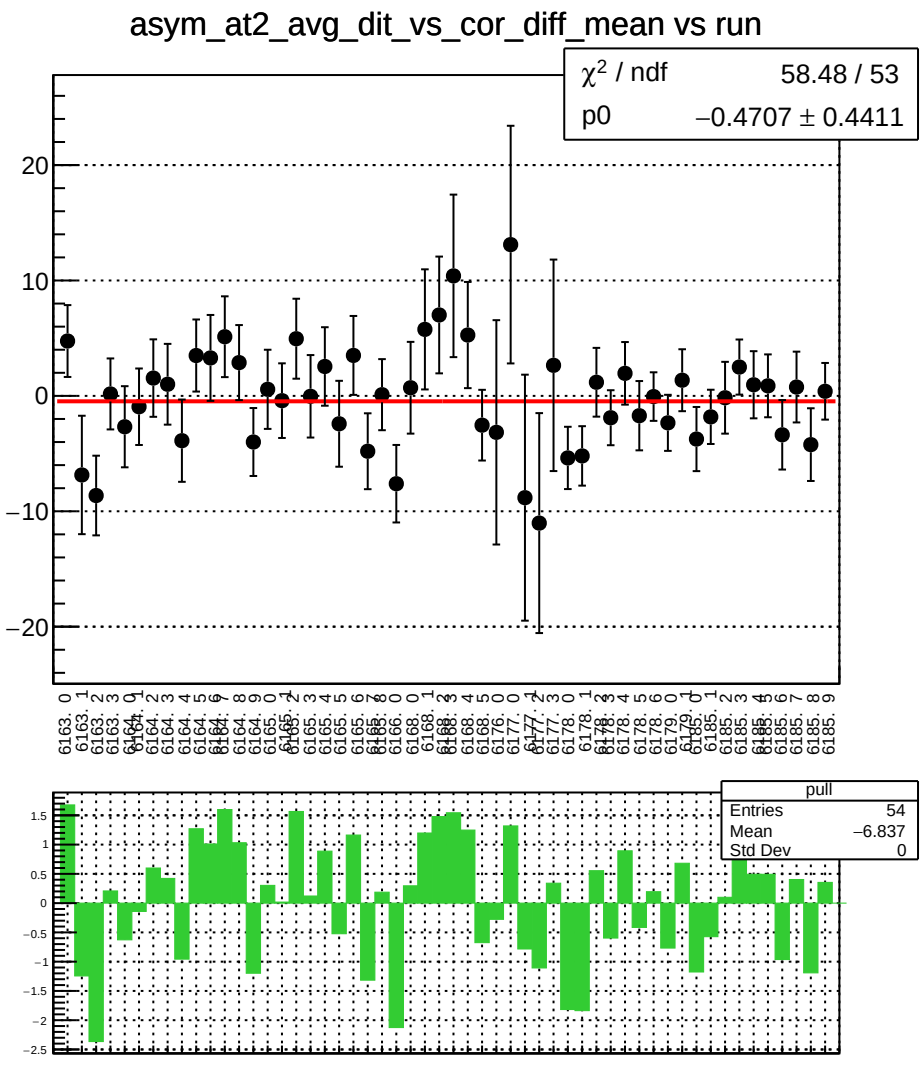

pull1D
Entries 54
Mean 0.01737
Std Dev 1.036

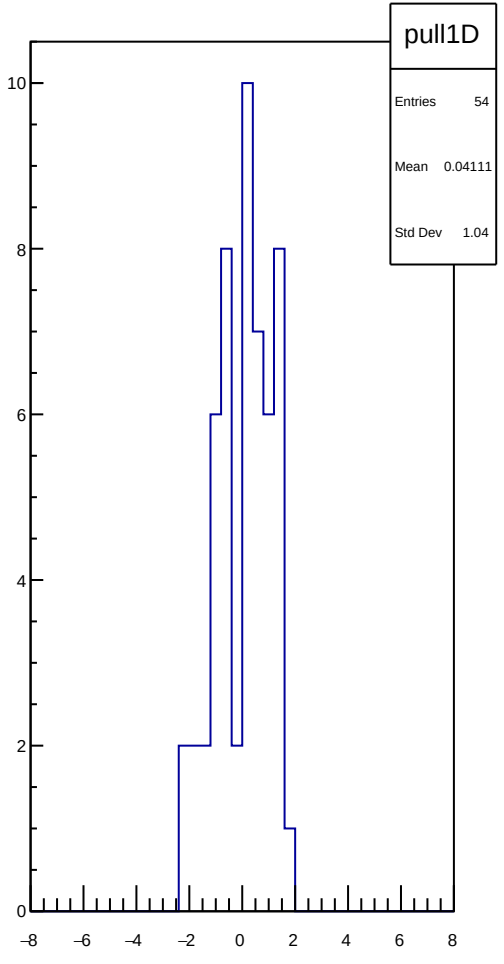

asym_at2_avg_rms vs run
χ² / ndf 6.687e+04 / 53
p0 8946 ± 9.101
15000
14000
13000
12000
11000
10000
9000
8000
7000
6000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

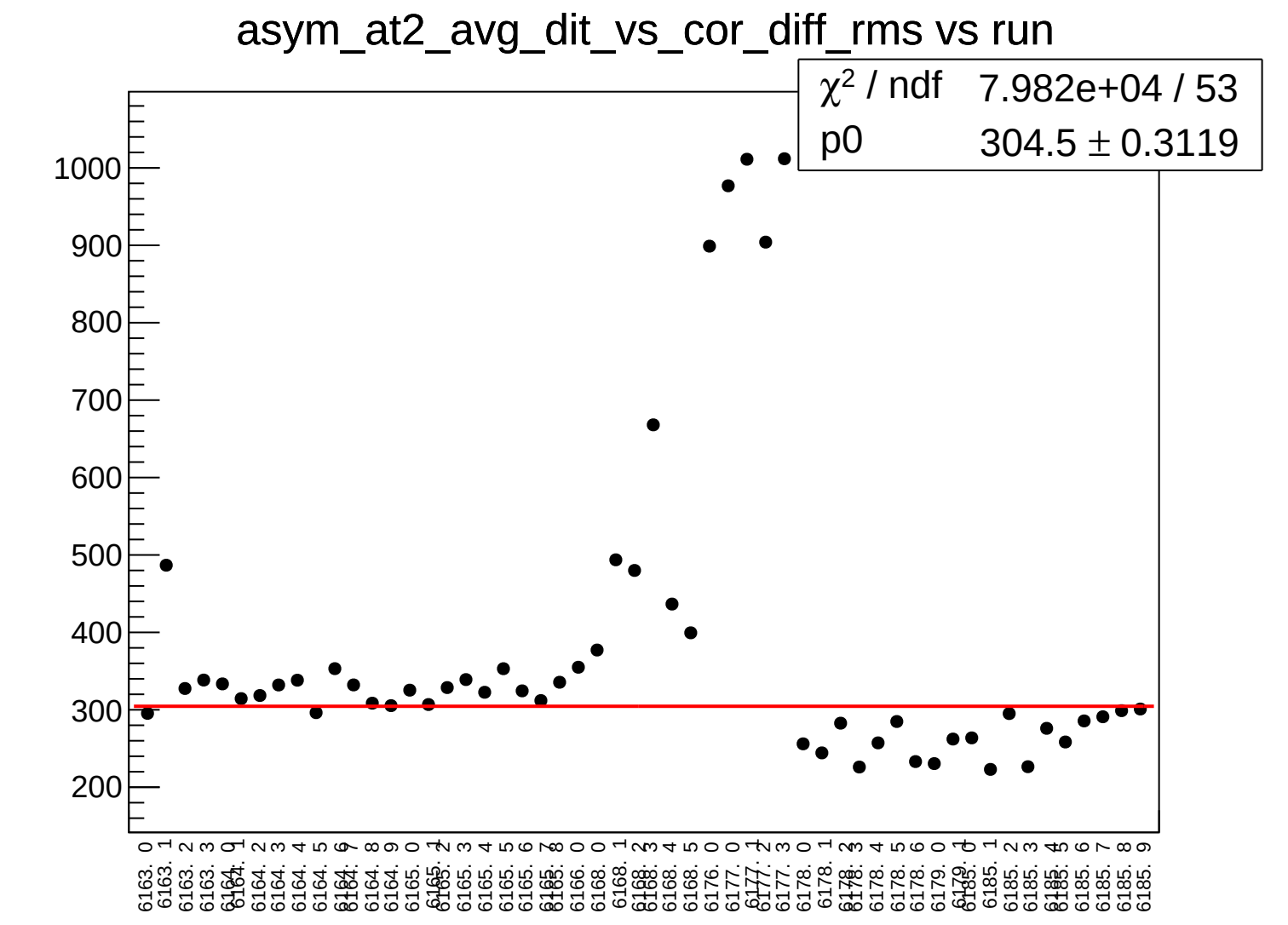

asym_at2_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 62.08 / 53
p0 8.637e−13 ± 1.214e−12
0.02
0.015
0.01
0.005
0
−0.005
pull
Entries 54
Mean 162.8
Std Dev 0

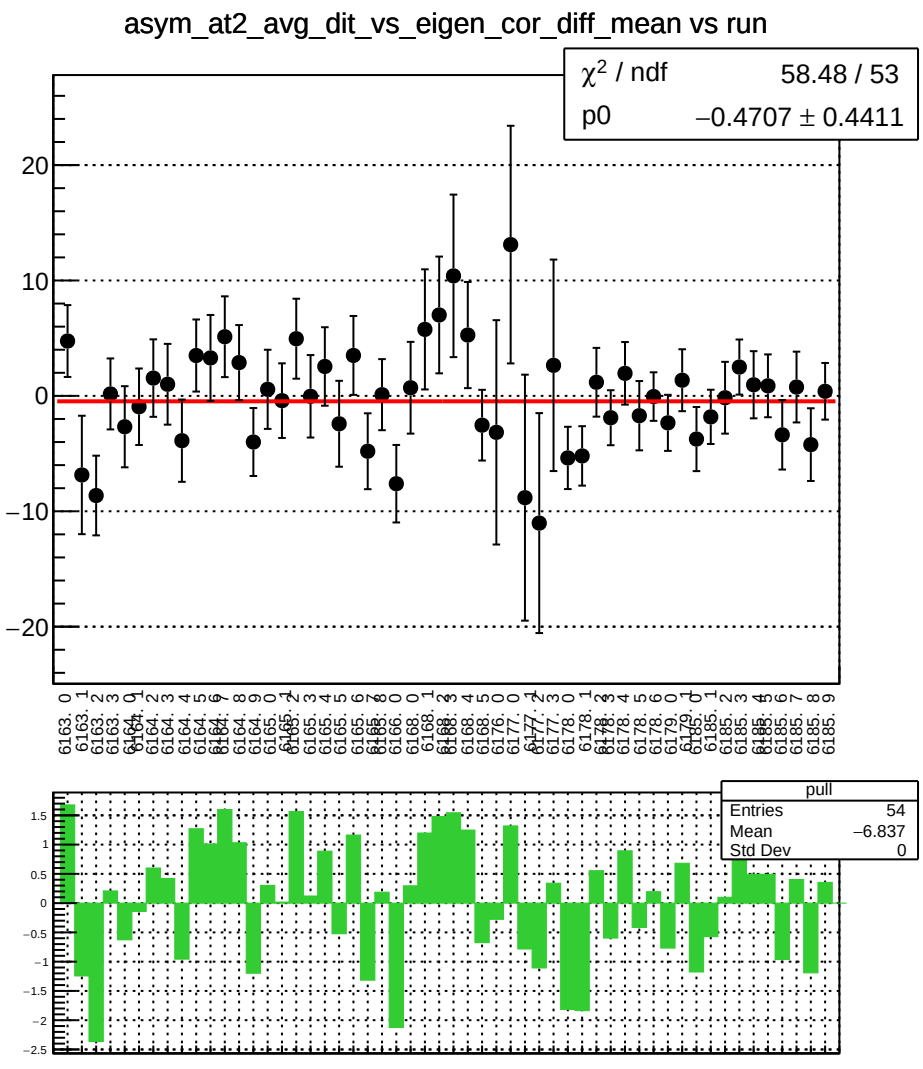

pull1D
Entries 54
Mean 0.02394
Std Dev 1.072
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

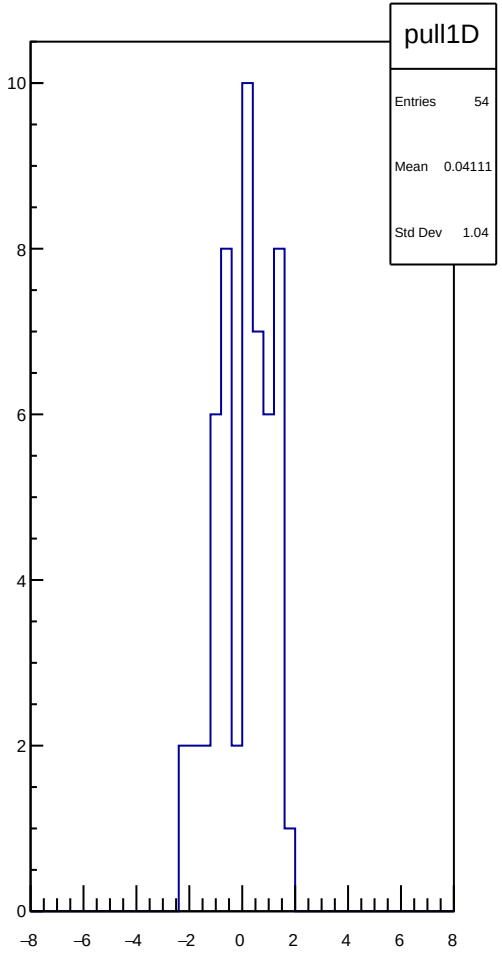

asym_at2_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.807e+05 / 53
p0 5.097e−10 ± 8.588e−13
1
0.8
0.6
0.4
0.2
0
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

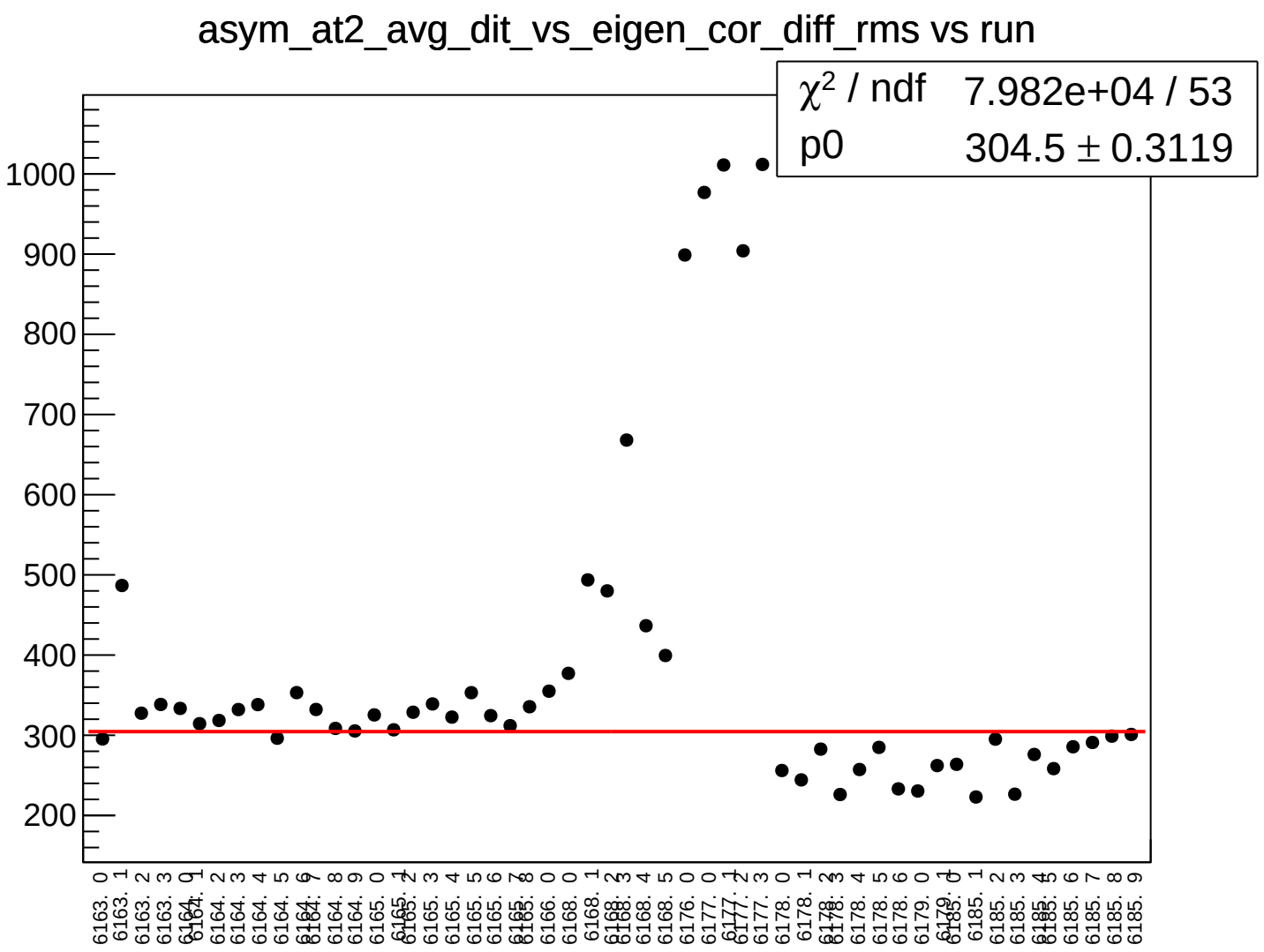

asym_at2_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 58.48 / 53
p0 −0.4707 ± 0.4411
pull
Entries 54
Mean −6.837
Std Dev 0

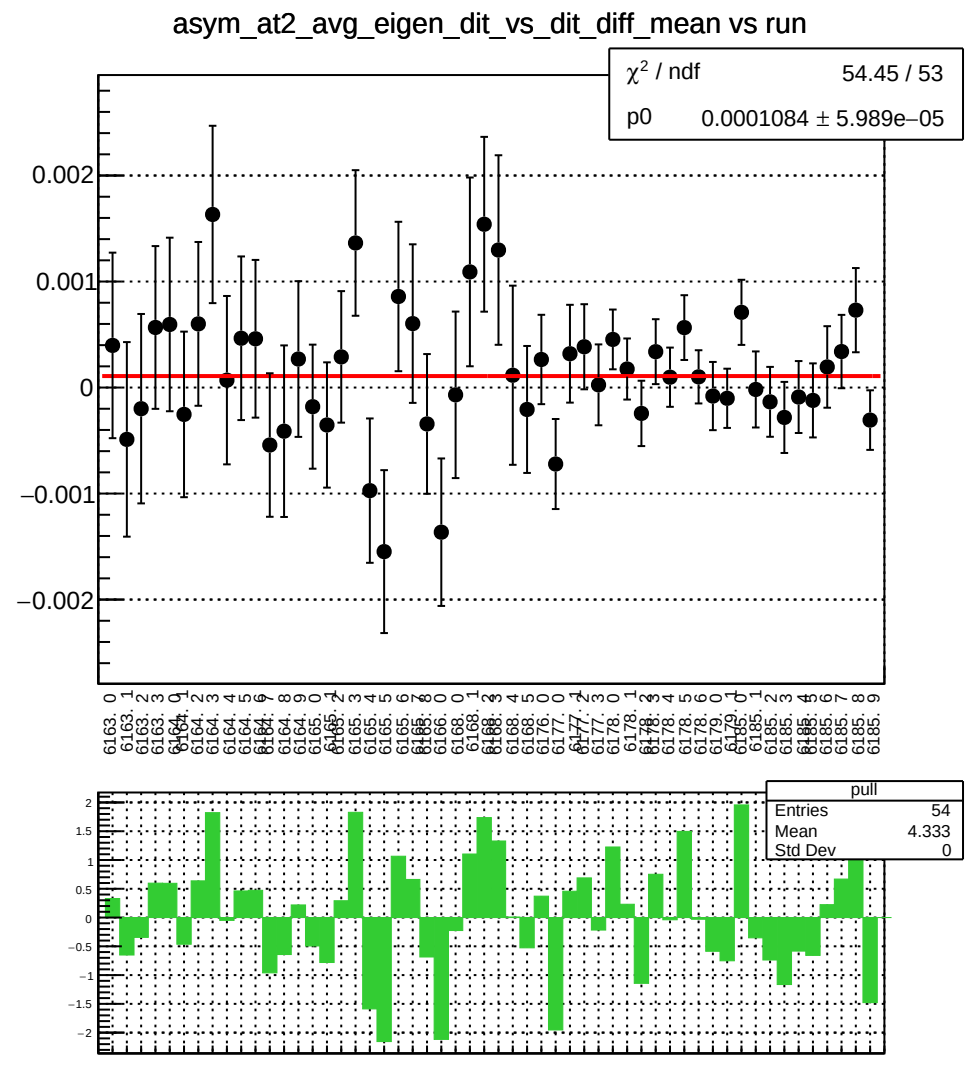

pull1D
Entries 54
Mean 0.04111
Std Dev 1.04

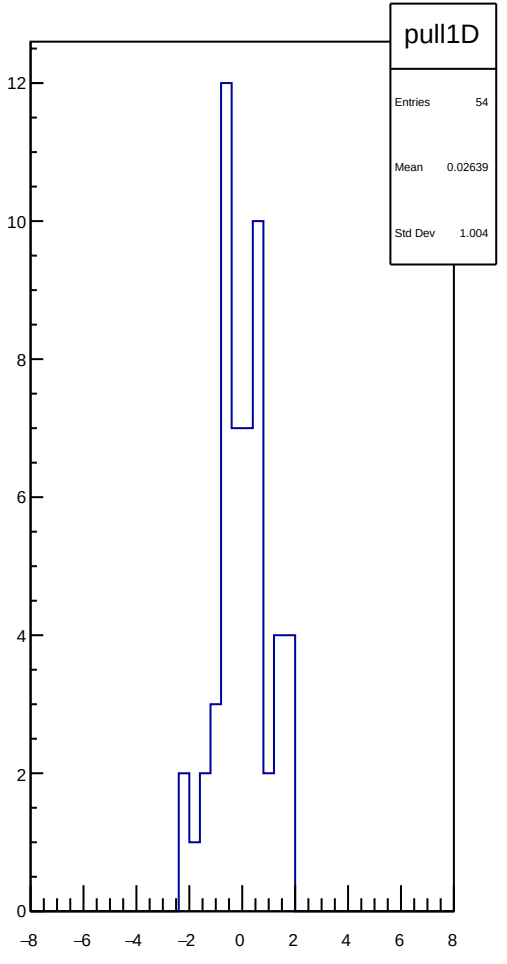

asym_at2_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 7.982e+04 / 53
p0 304.5 ± 0.3119
1000
900
800
700
600
500
400
300
200
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

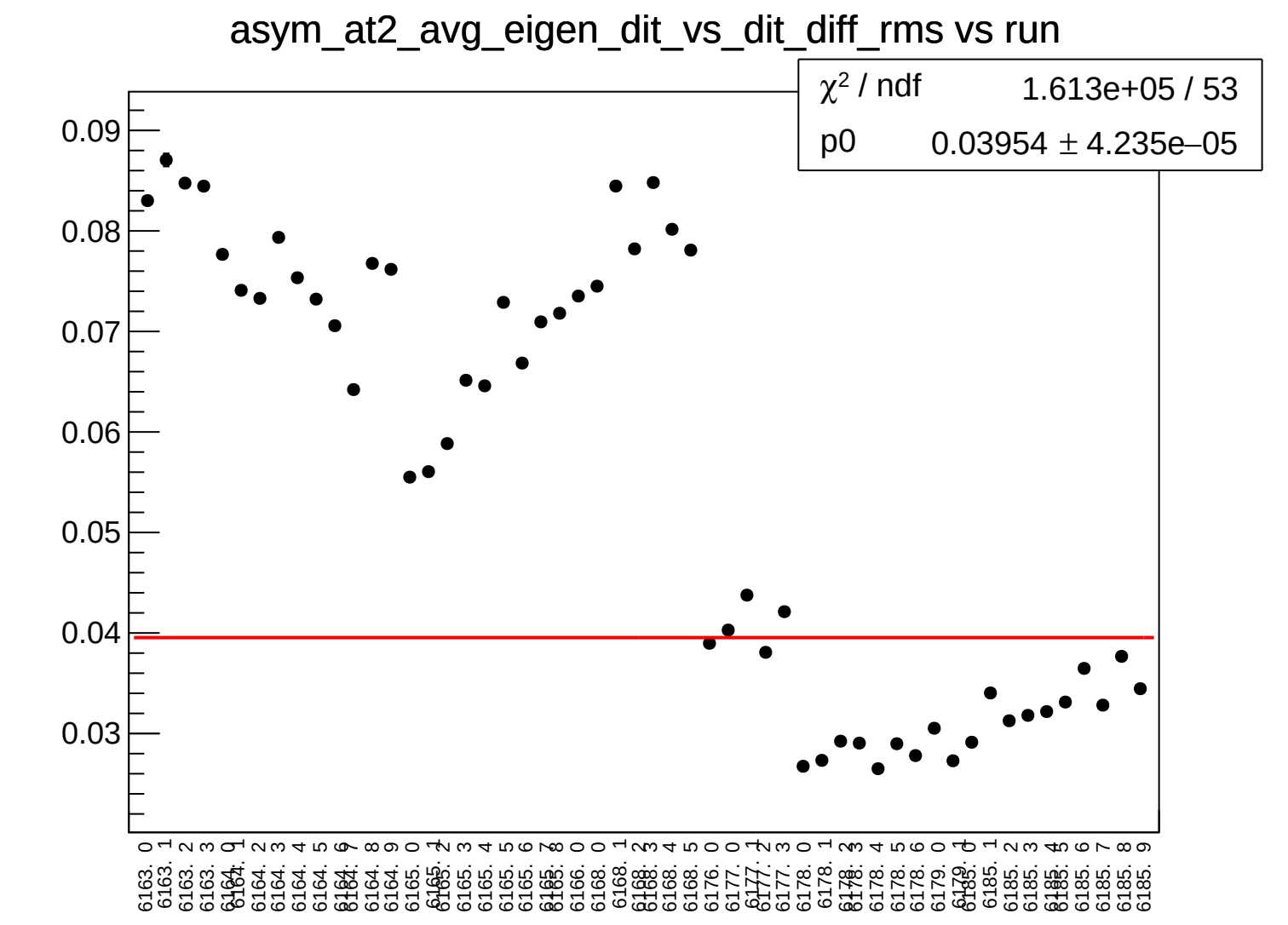

asym_at2_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 58.48 / 53
p0 −0.4707 ± 0.4411
pull
Entries 54
Mean −6.837
Std Dev 0

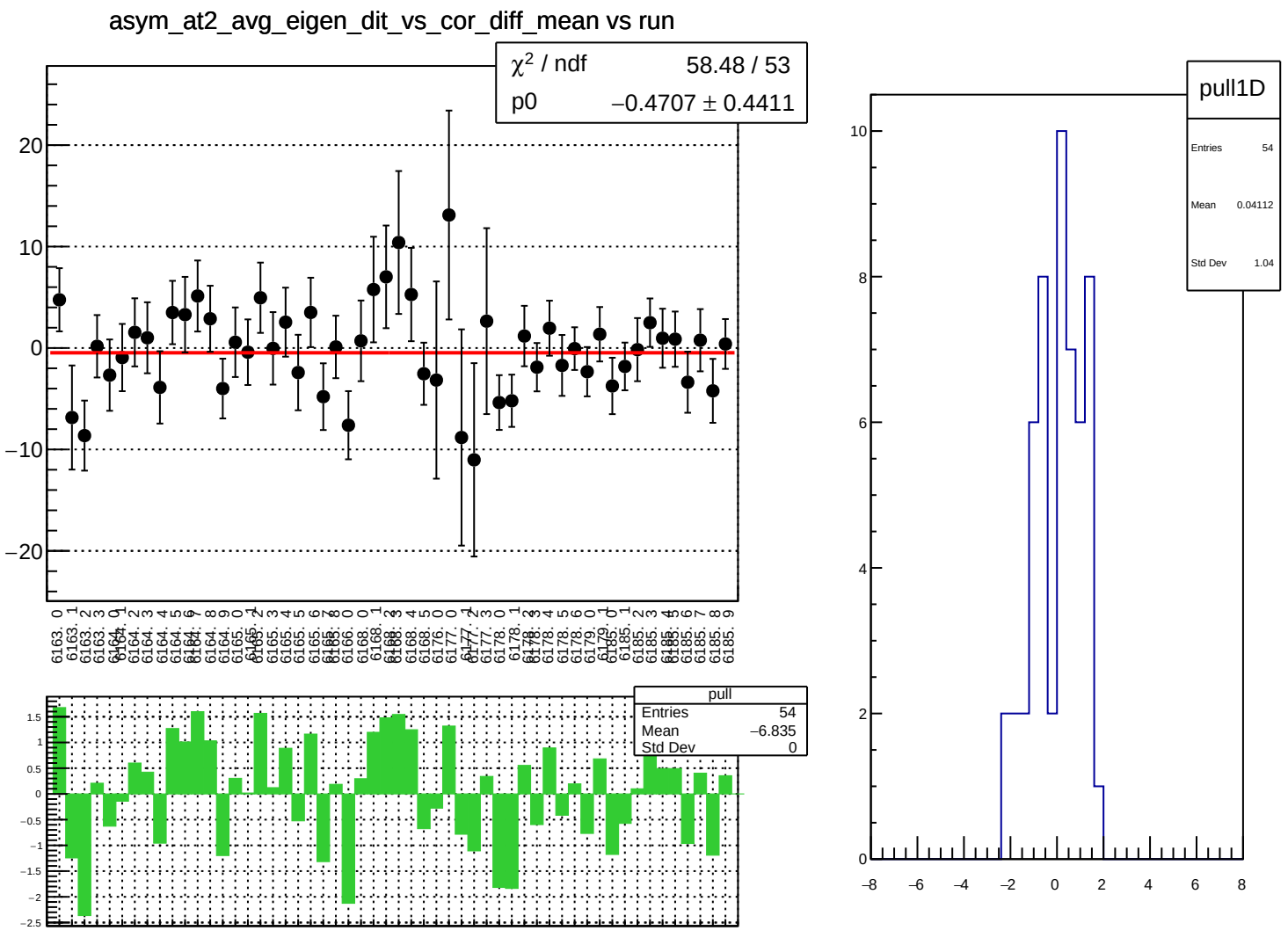

pull1D
Entries 54
Mean 0.04111
Std Dev 1.04

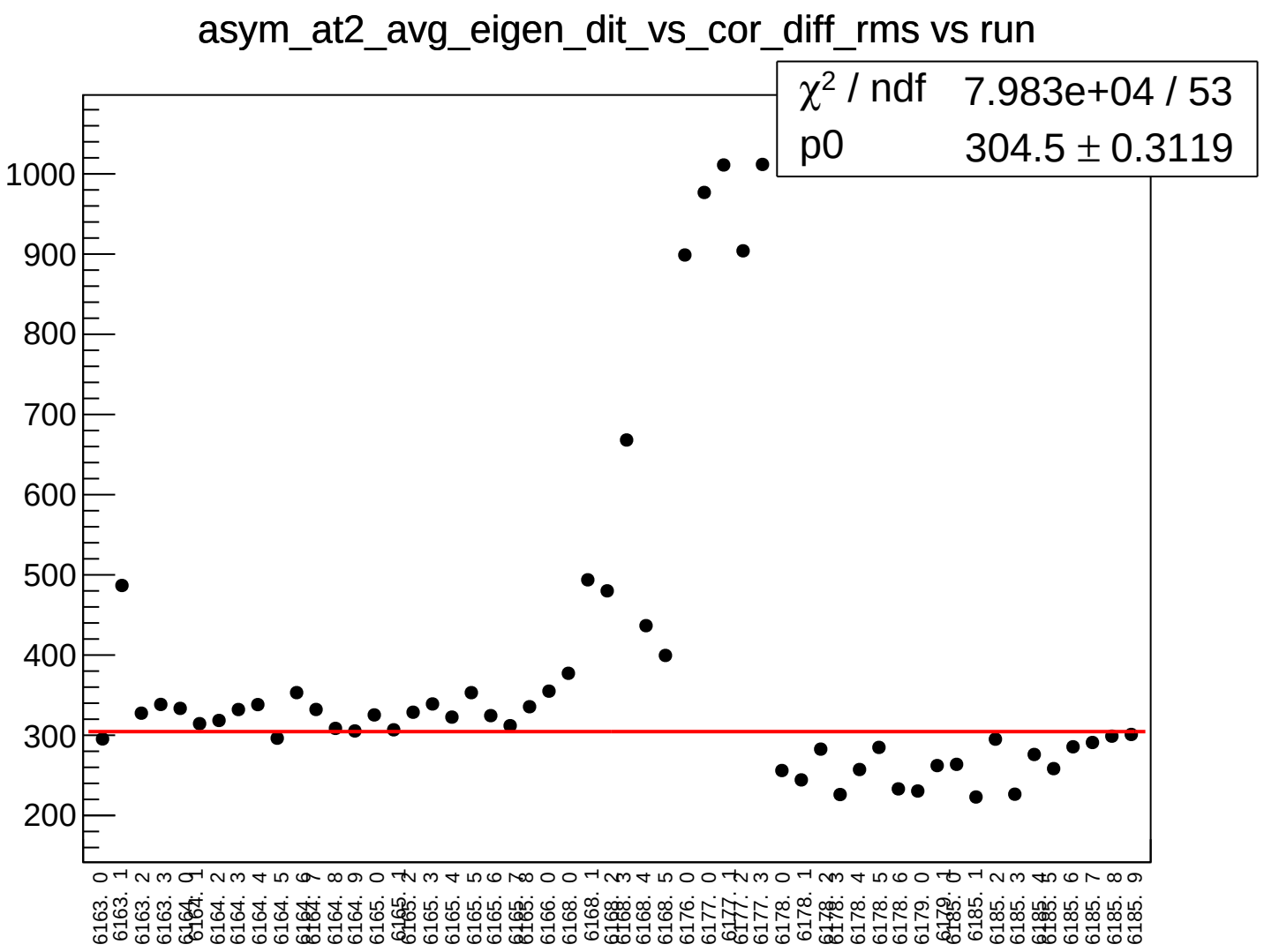

asym_at2_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.982e+04 / 53
p0 304.5 ± 0.3119
1000
900
800
700
600
500
400
300
200
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

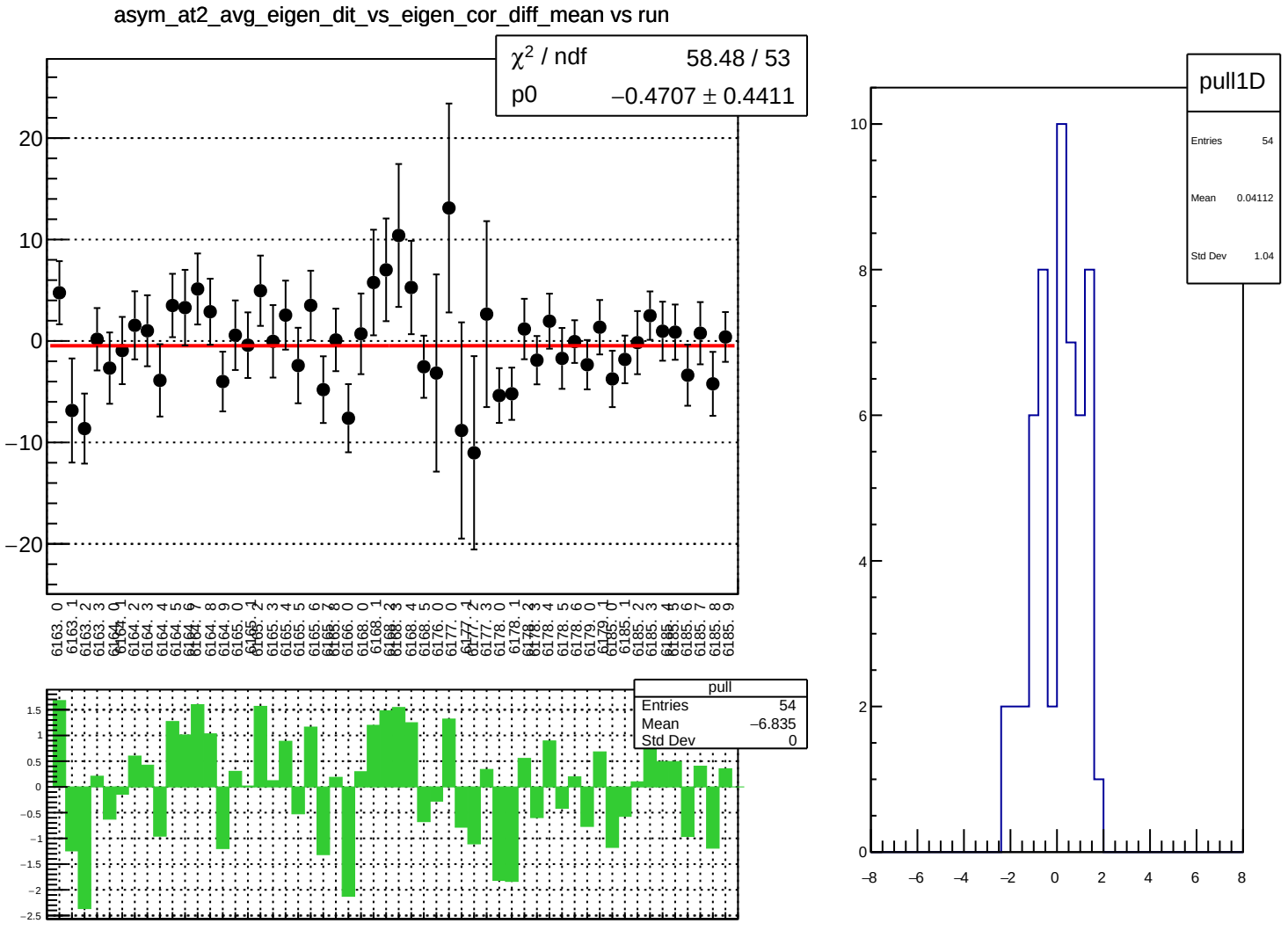

asym_at2_avg_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 54.45 / 53
p0 0.0001084 ± 5.989e−05
0.002
0.001
0
−0.001
−0.002
pull
Entries 54
Mean 4.333
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

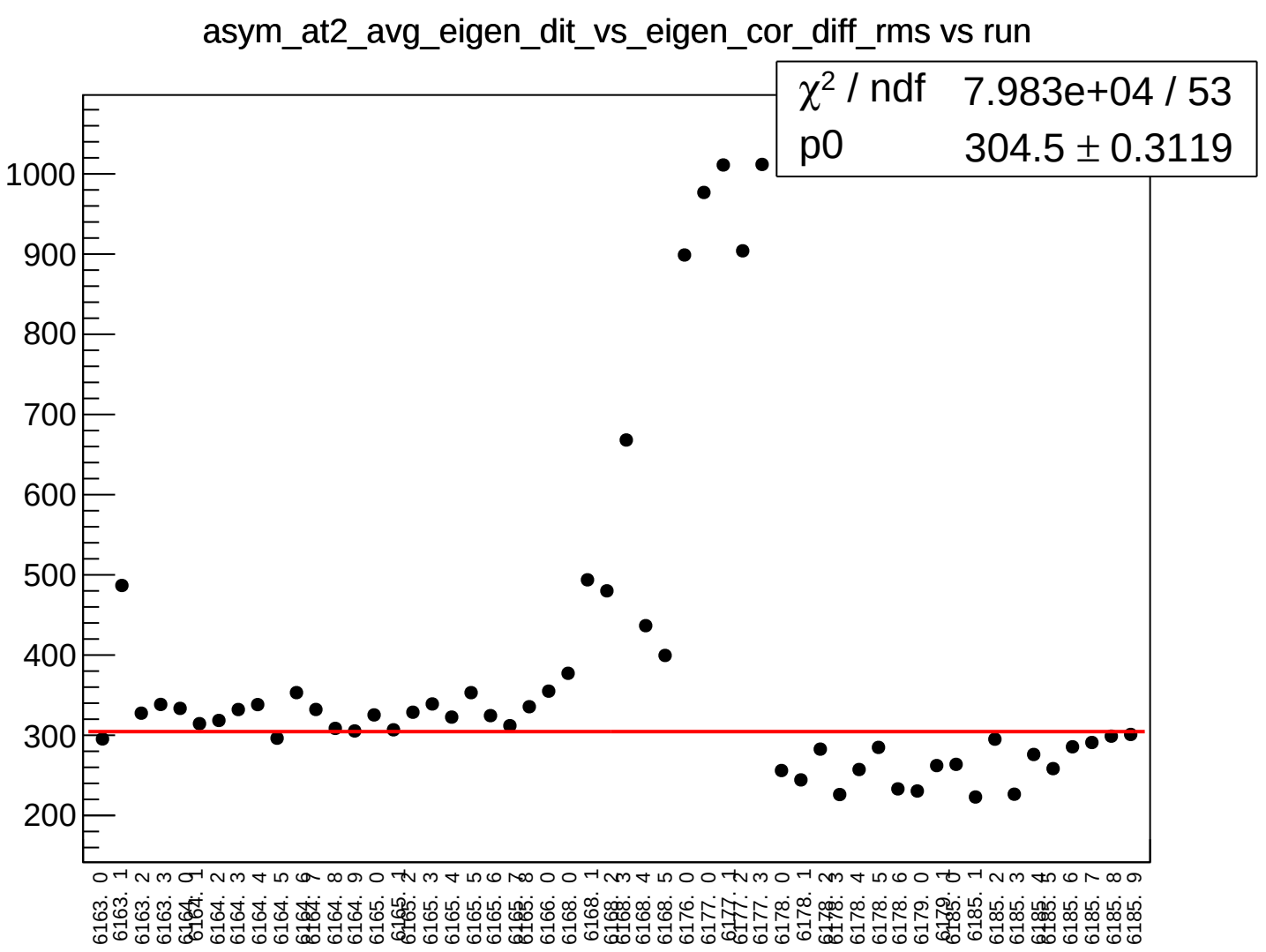

pull1D
Entries 54
Mean 0.02639
Std Dev 1.004
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

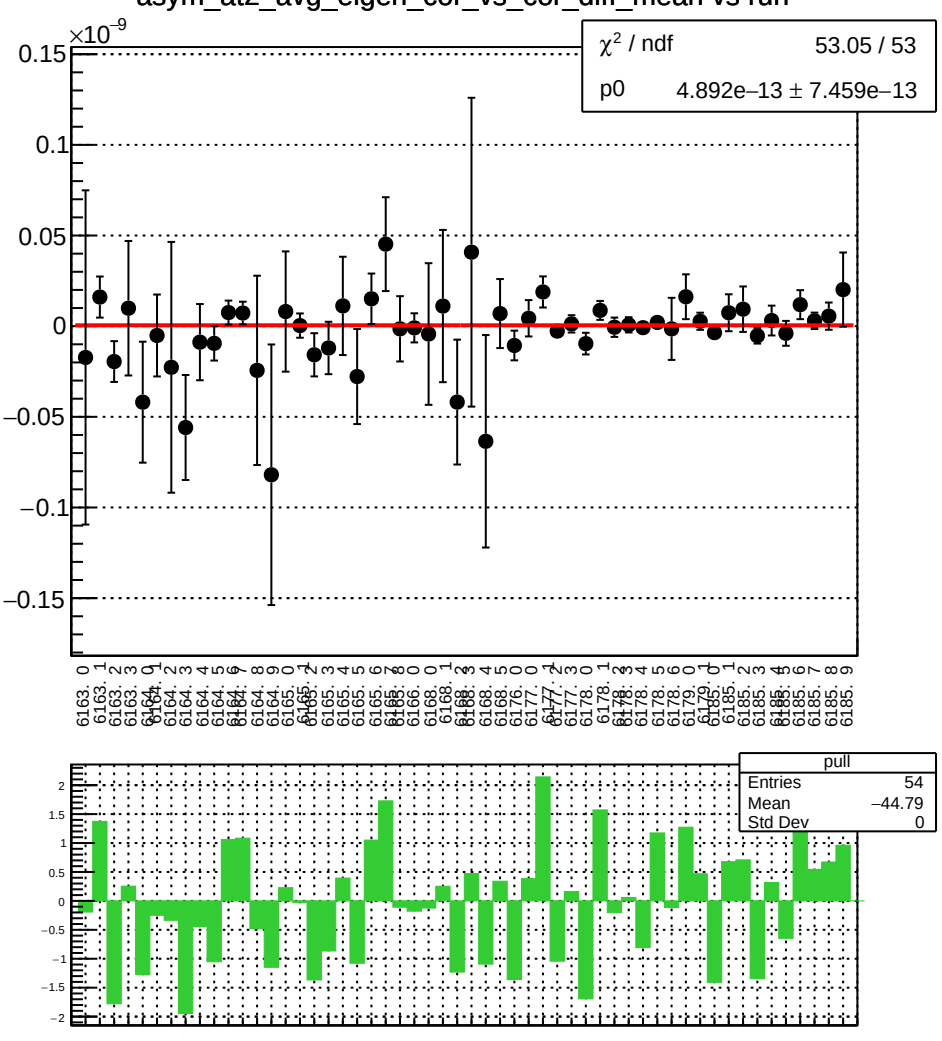

asym_at2_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.613e+05 / 53
p0 0.03954 ± 4.235e−05
0.09
0.08
0.07
0.06
0.05
0.04
0.03
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

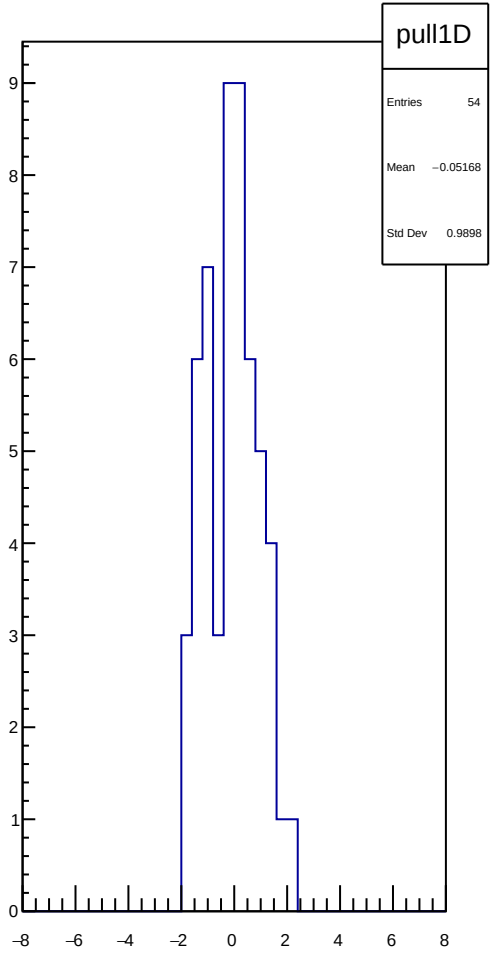

asym_at2_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 58.48 / 53
p0 −0.4707 ± 0.4411
pull
Entries 54
Mean −6.835
Std Dev 0
pull1D
Entries 54
Mean 0.04112
Std Dev 1.04

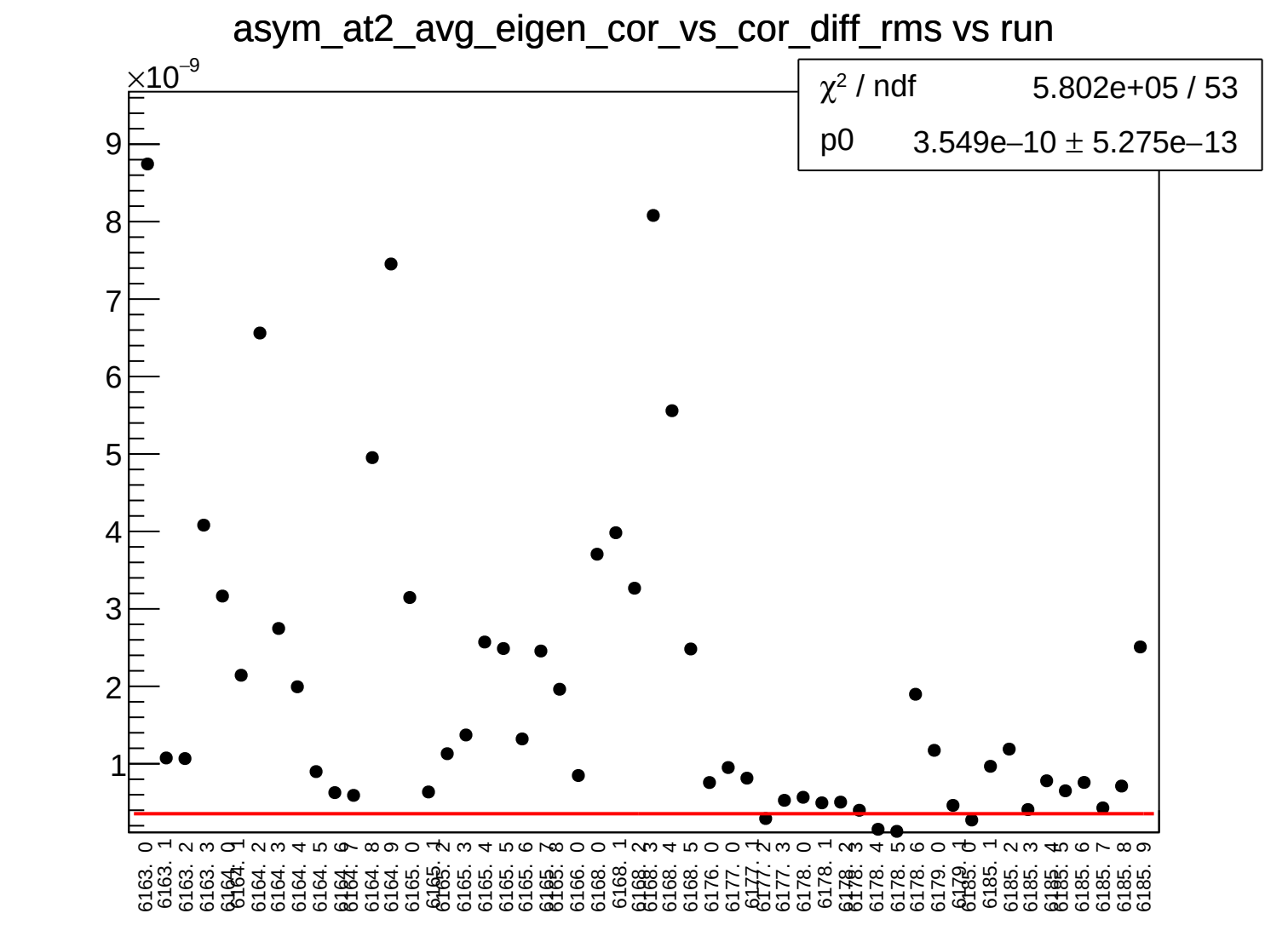

asym_at2_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 7.983e+04 / 53
p0 304.5 ± 0.3119
1000
900
800
700
600
500
400
300
200

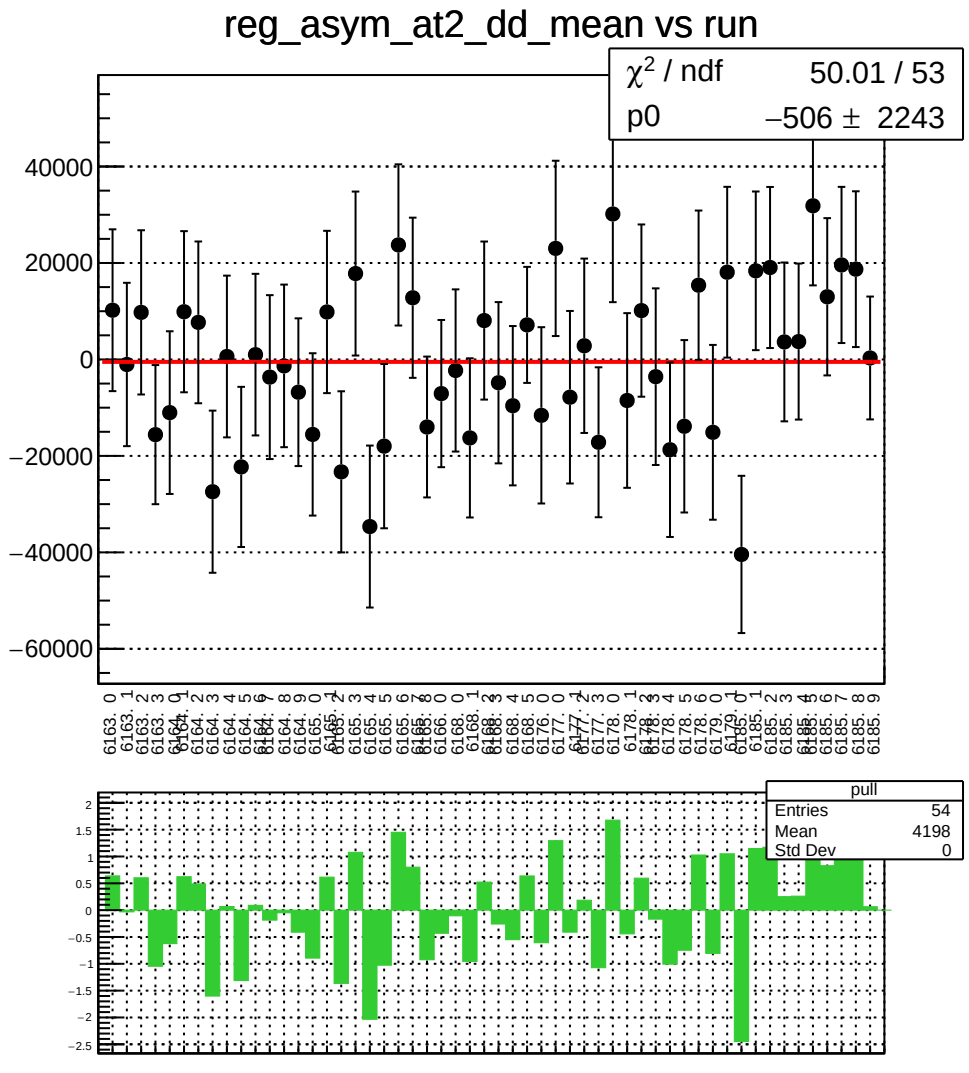

asym_at2_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 58.48 / 53
p0 −0.4707 ± 0.4411
pull
Entries 54
Mean −6.835
Std Dev 0
pull1D
Entries 54
Mean 0.04112
Std Dev 1.04

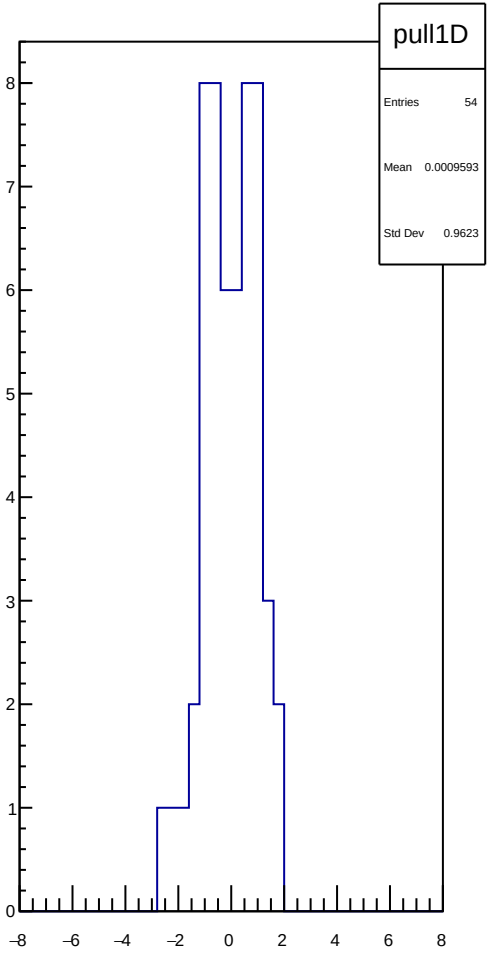

asym_at2_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.983e+04 / 53
p0 304.5 ± 0.3119
1000
900
800
700
600
500
400
300
200

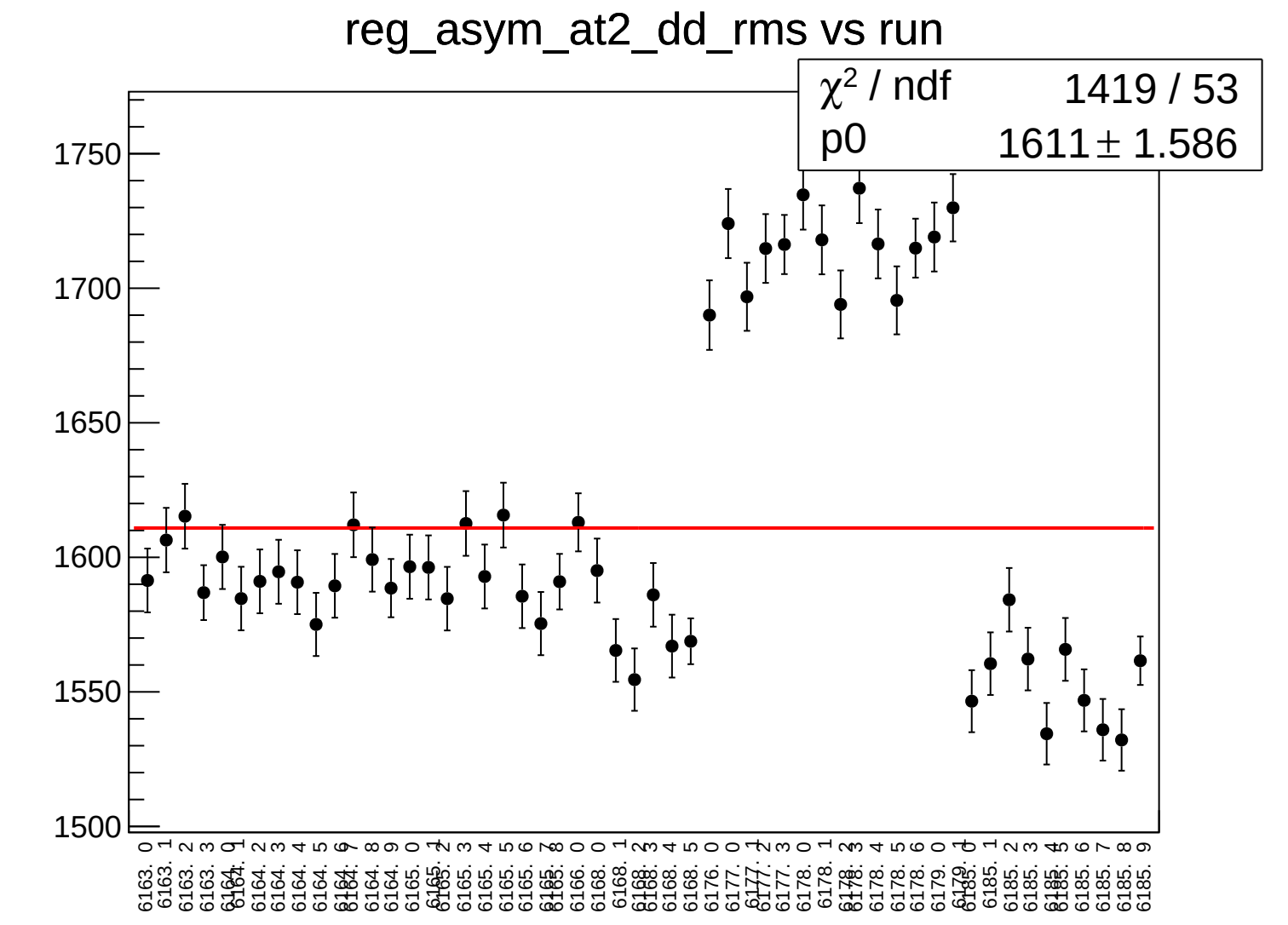

asym_at2_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻⁹
χ² / ndf 53.05 / 53
p0 4.892e−13 ± 7.459e−13
pull
Entries 54
Mean −44.79
Std Dev 0

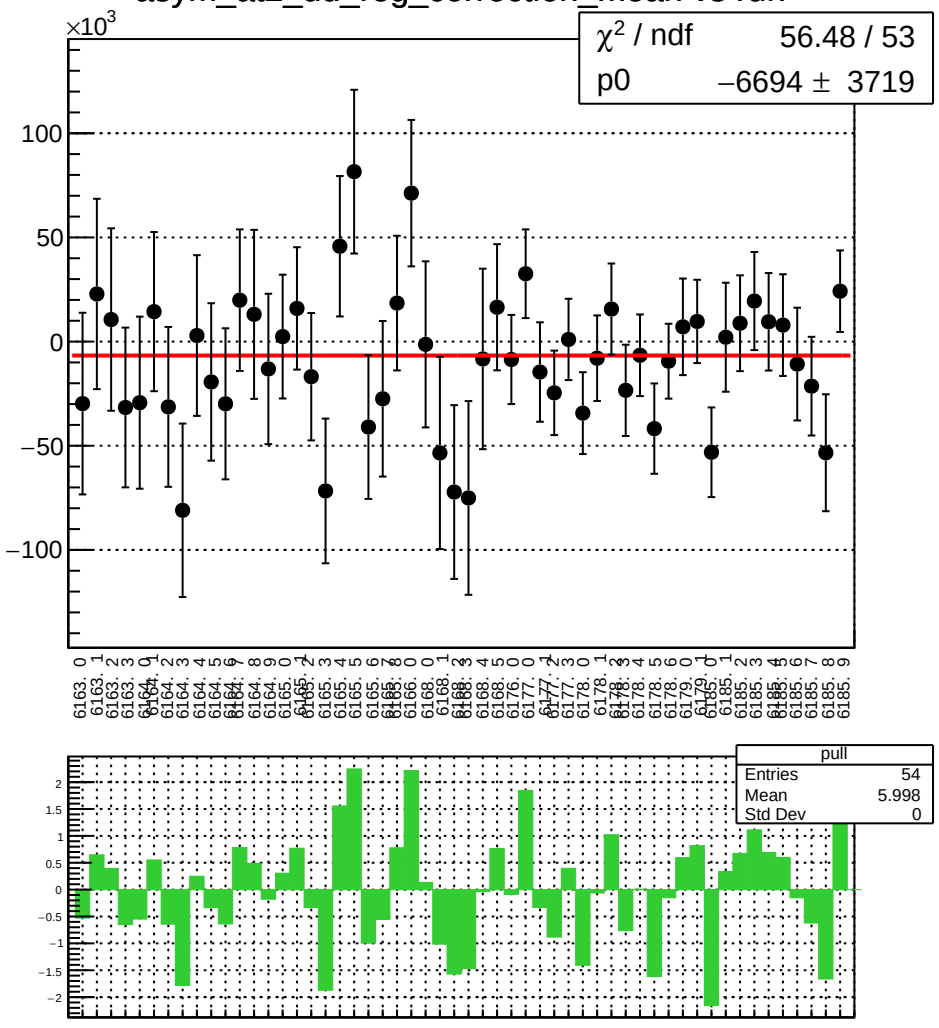

pull1D
Entries 54
Mean −0.05168
Std Dev 0.9898

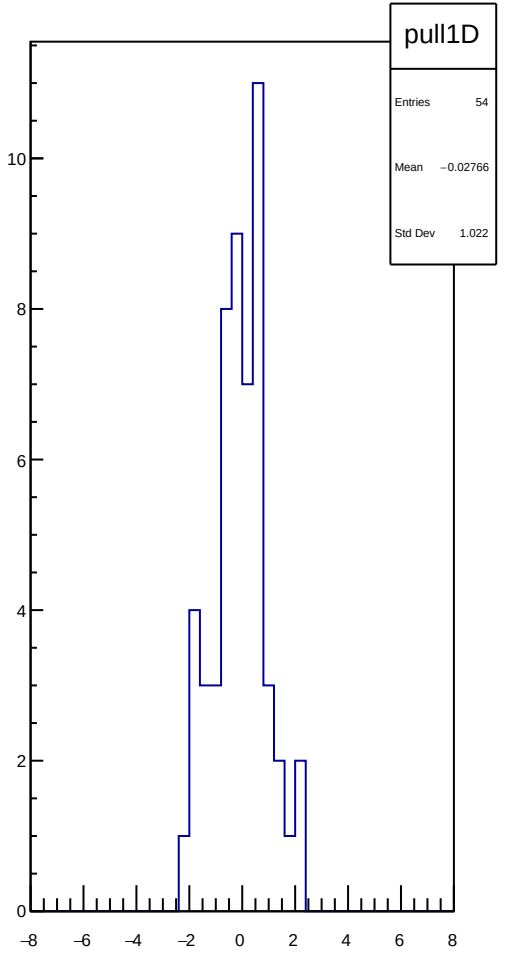

asym_at2_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.802e+05 / 53
p0 3.549e−10 ± 5.275e−13
9
8
7
6
5
4
3
2
1
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

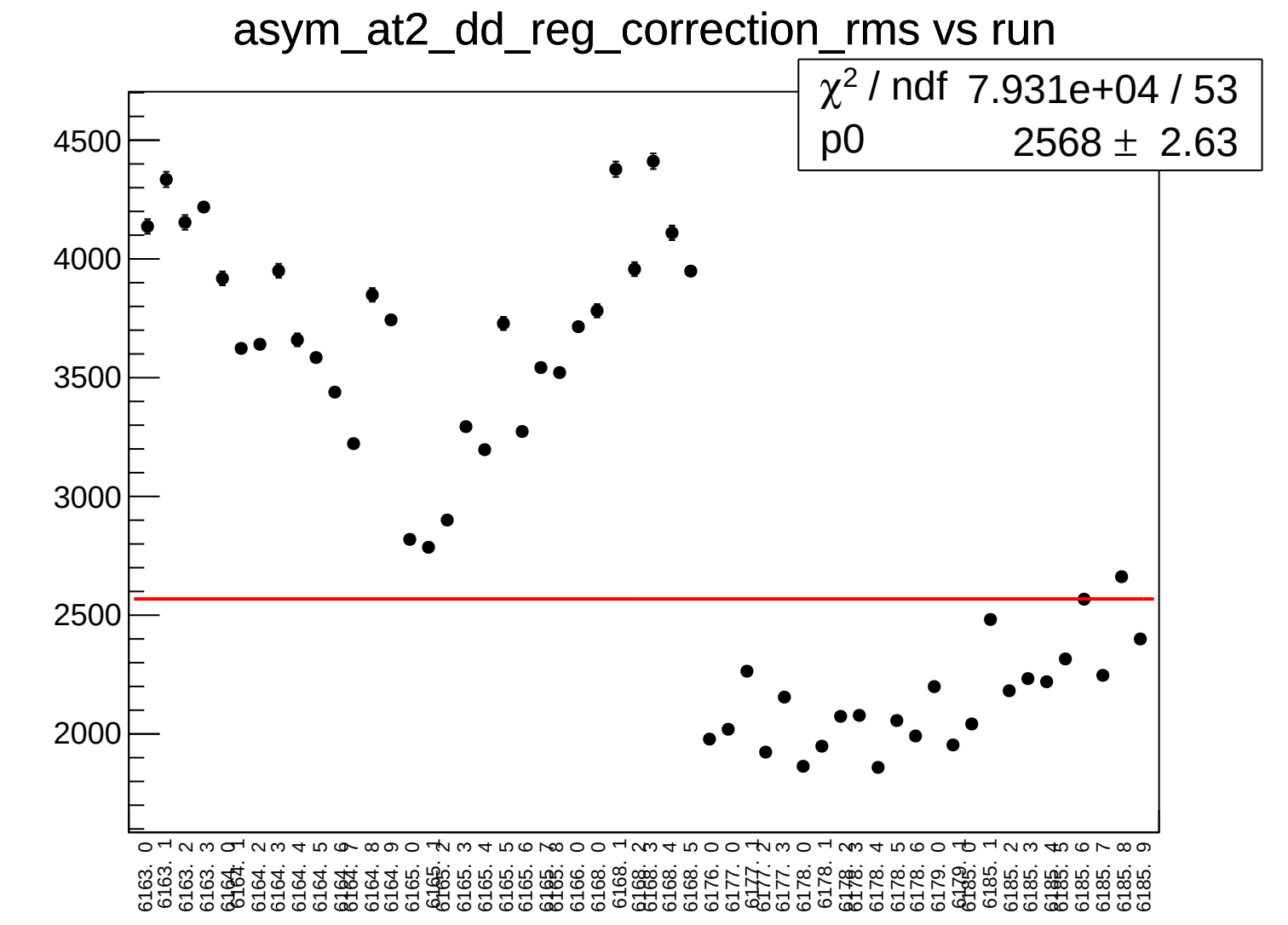

reg_asym_at2_dd_mean vs run
χ² / ndf 50.01 / 53
p0 −506 ± 2243
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 4198
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

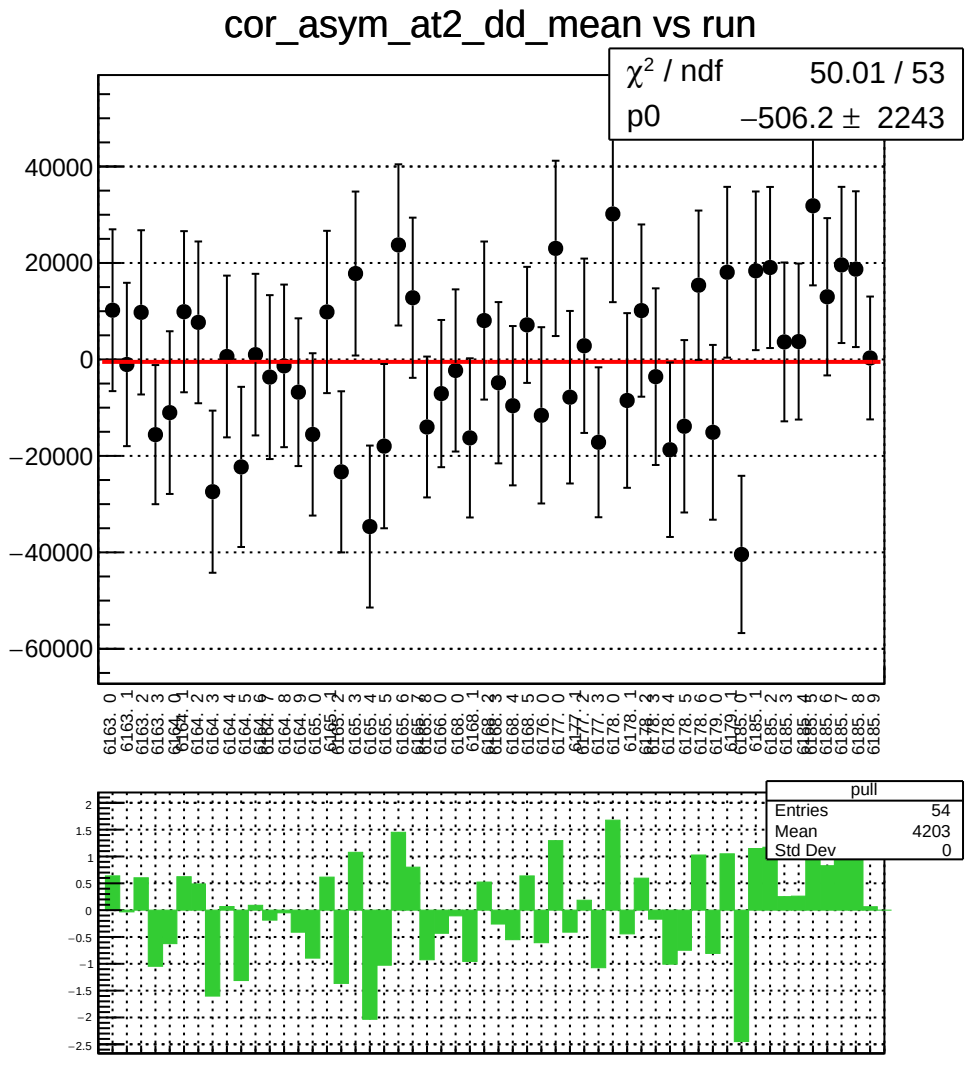

pull1D
Entries 54
Mean 0.0009593
Std Dev 0.9623
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

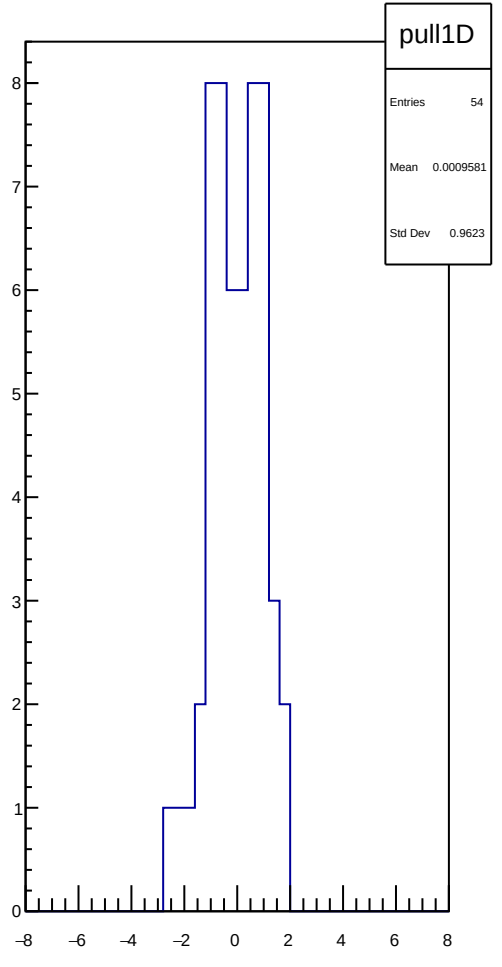

reg_asym_at2_dd_rms vs run
χ² / ndf 1419 / 53
p0 1611 ± 1.586
1750
1700
1650
1600
1550
1500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

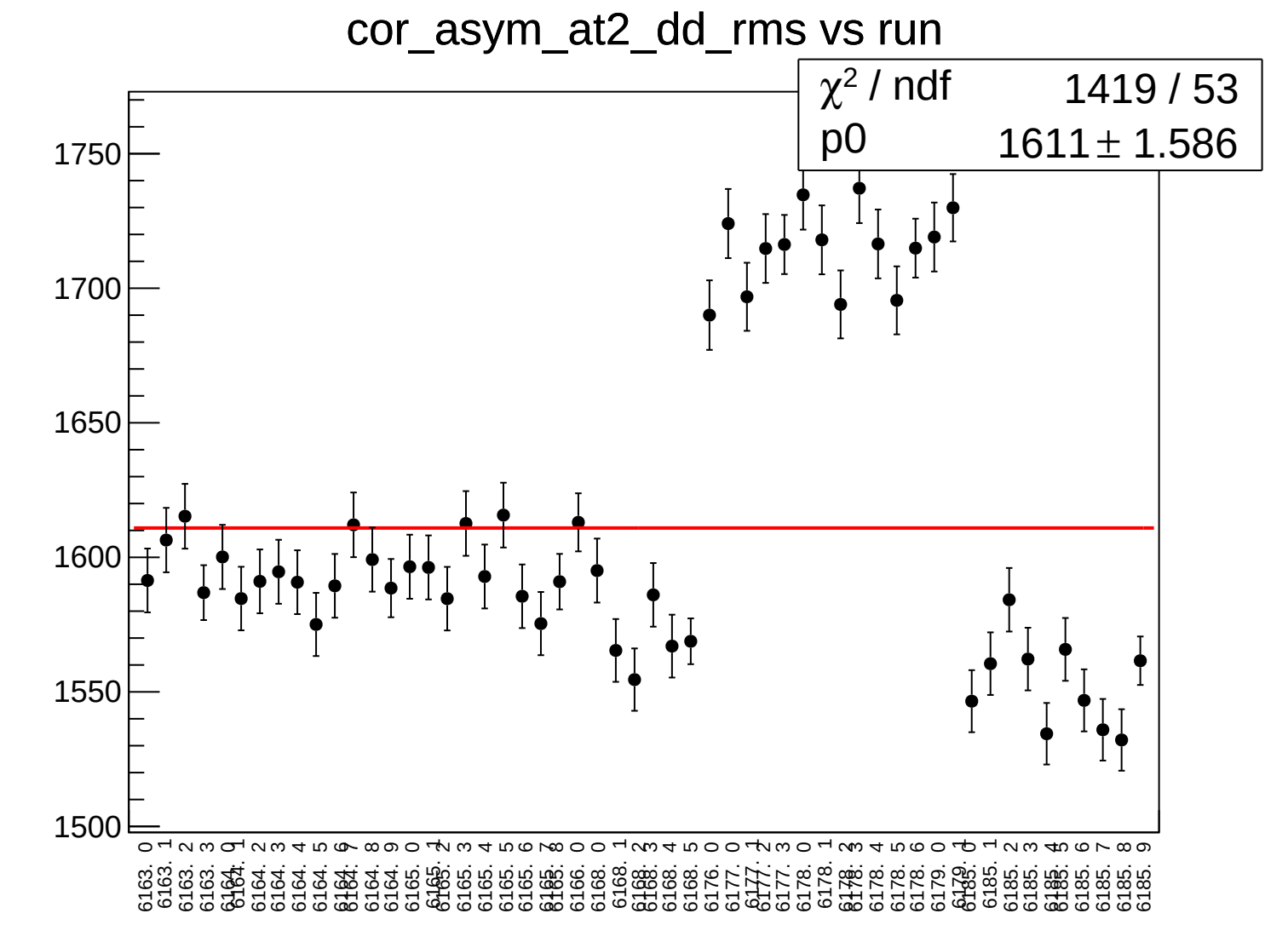

asym_at2_dd_reg_correction_mean vs run
χ² / ndf 56.48 / 53
p0 −6694 ± 3719
×10³
100
50
0
−50
−100
pull
Entries 54
Mean 5.998
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

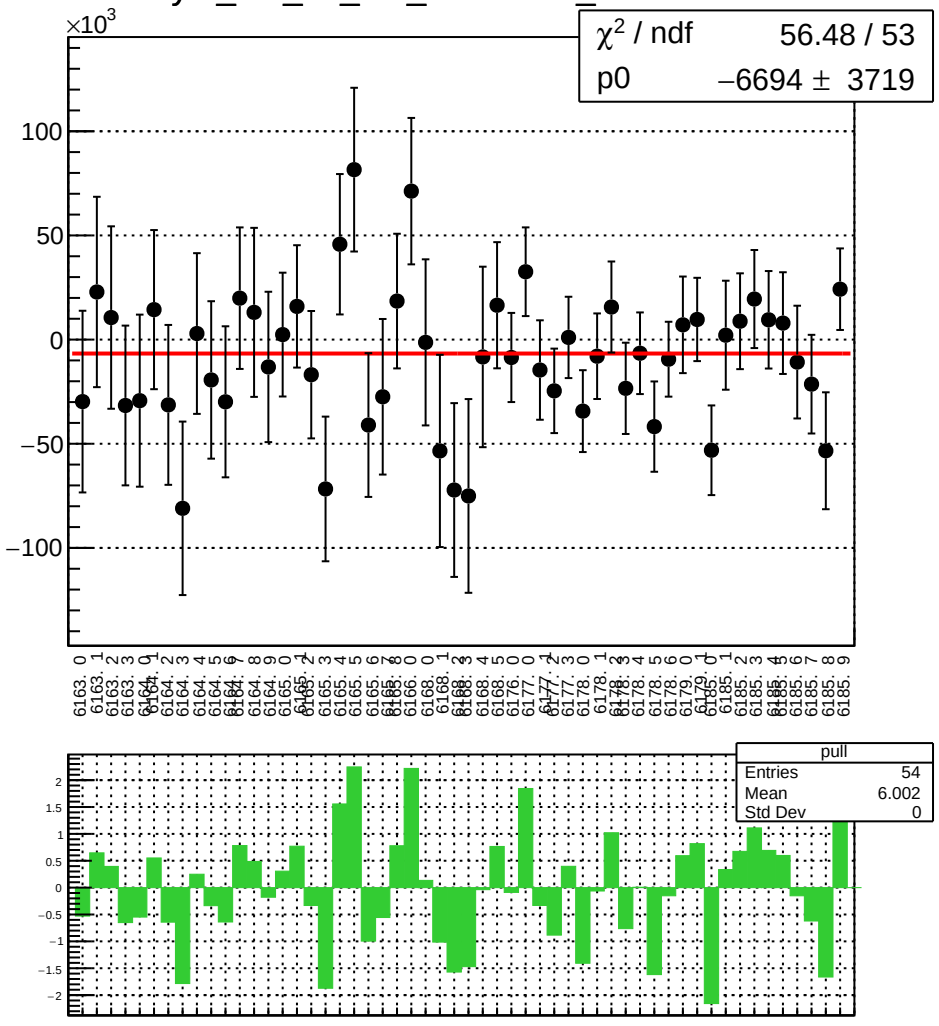

pull1D
Entries 54
Mean −0.02766
Std Dev 1.022
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

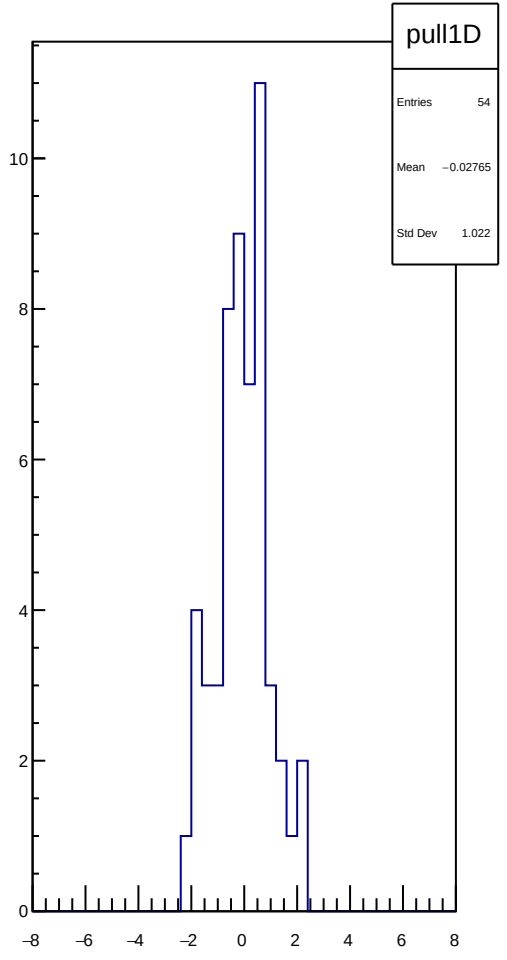

asym_at2_dd_reg_correction_rms vs run
χ² / ndf 7.931e+04 / 53
p0 2568 ± 2.63
4500
4000
3500
3000
2500
2000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

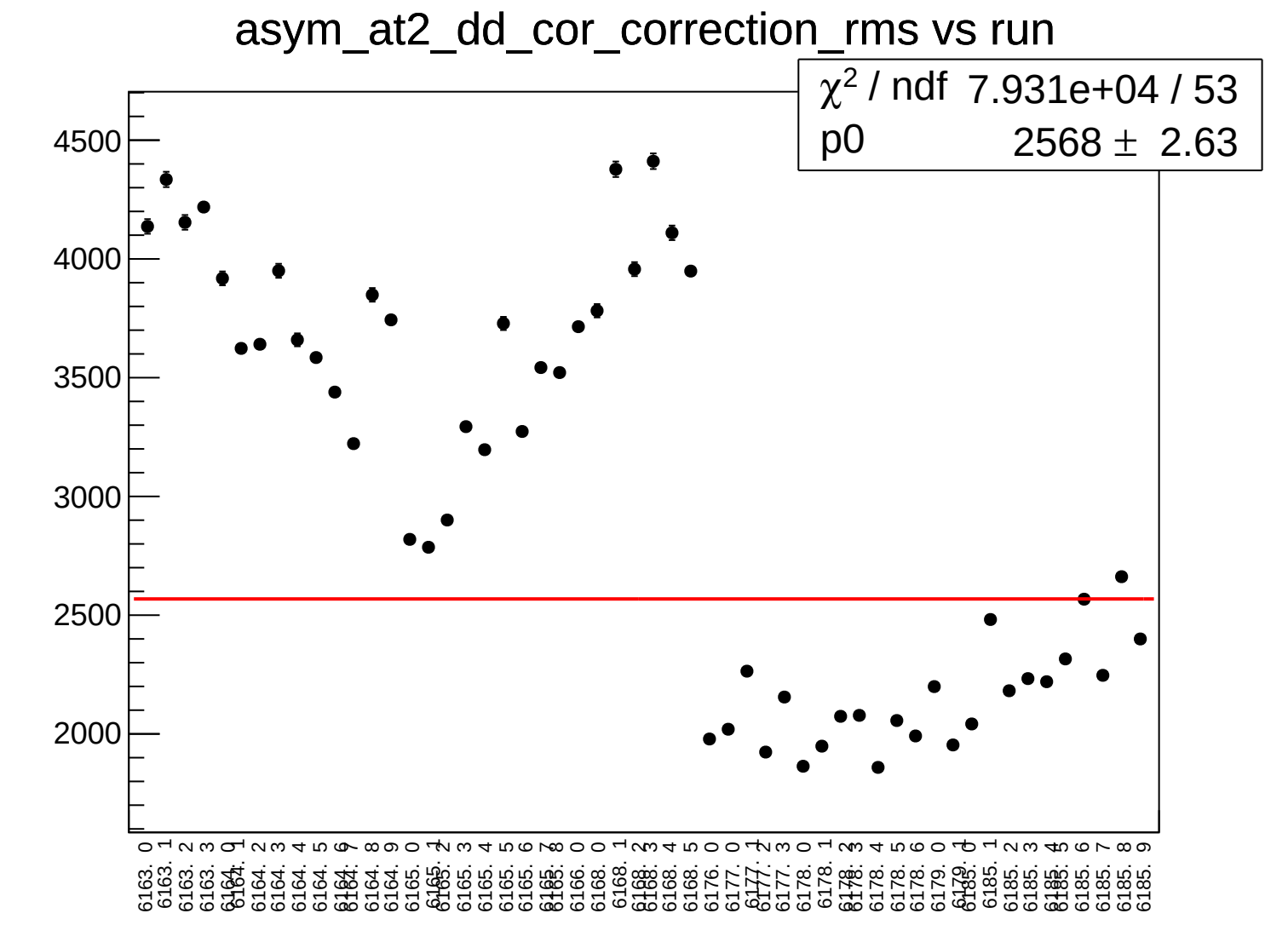

cor_asym_at2_dd_mean vs run
χ² / ndf 50.01 / 53
p0 −506.2 ± 2243
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 4203
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

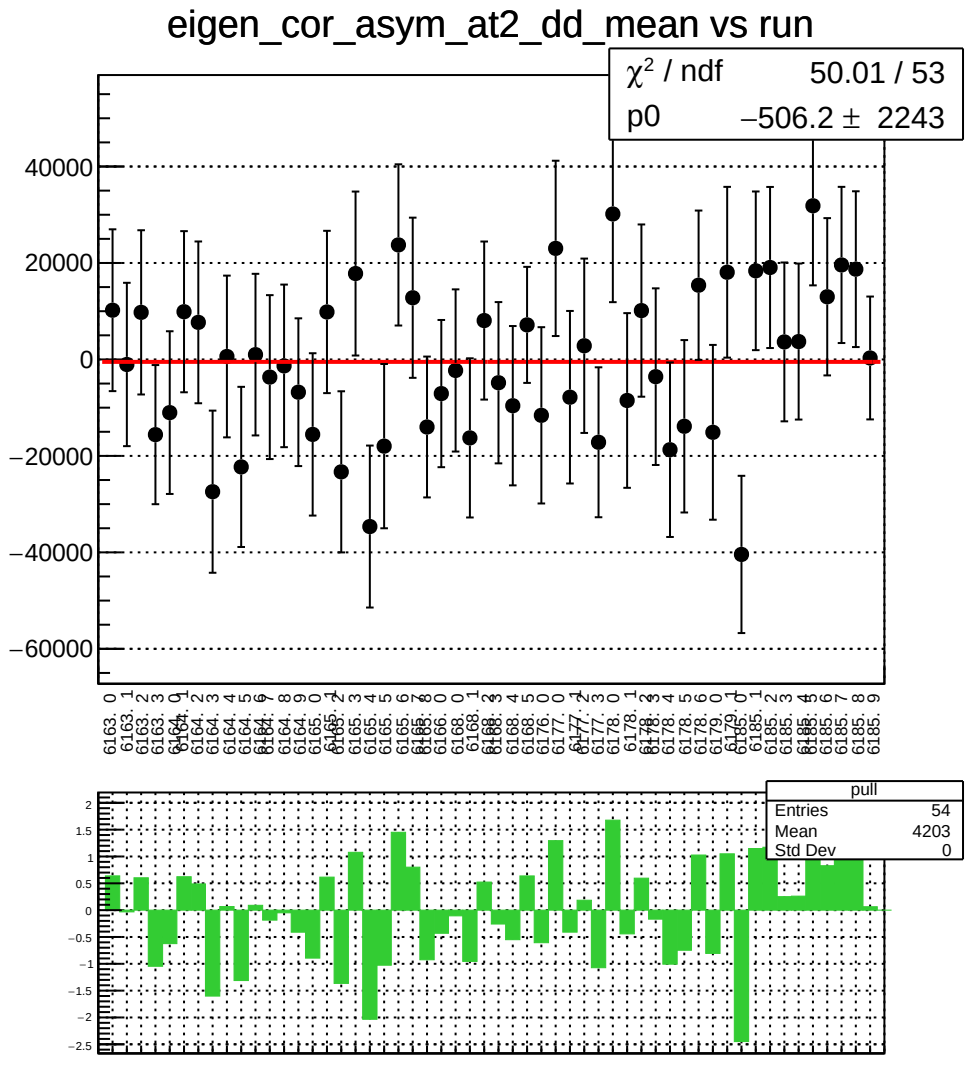

pull1D
Entries 54
Mean 0.0009581
Std Dev 0.9623
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

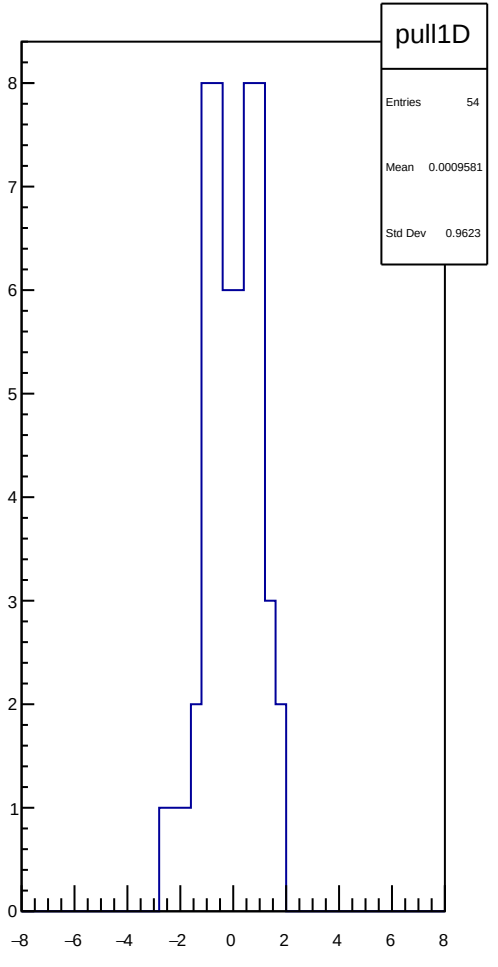

cor_asym_at2_dd_rms vs run
χ² / ndf 1419 / 53
p0 1611 ± 1.586
1750
1700
1650
1600
1550
1500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

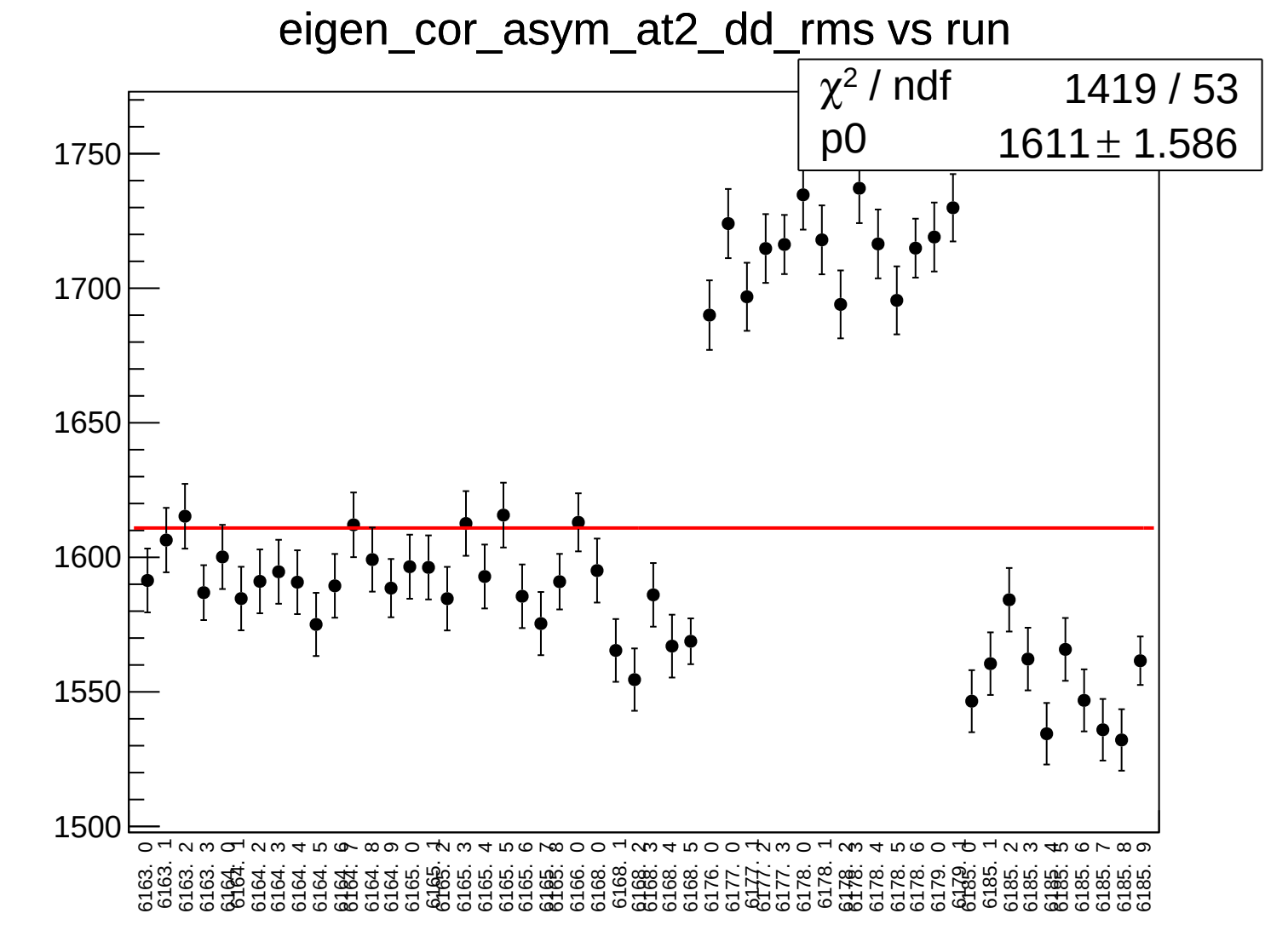

asym_at2_dd_cor_correction_mean vs run
χ² / ndf 56.48 / 53
p0 −6694 ± 3719
×10³
100
50
0
−50
−100
pull
Entries 54
Mean 6.002
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

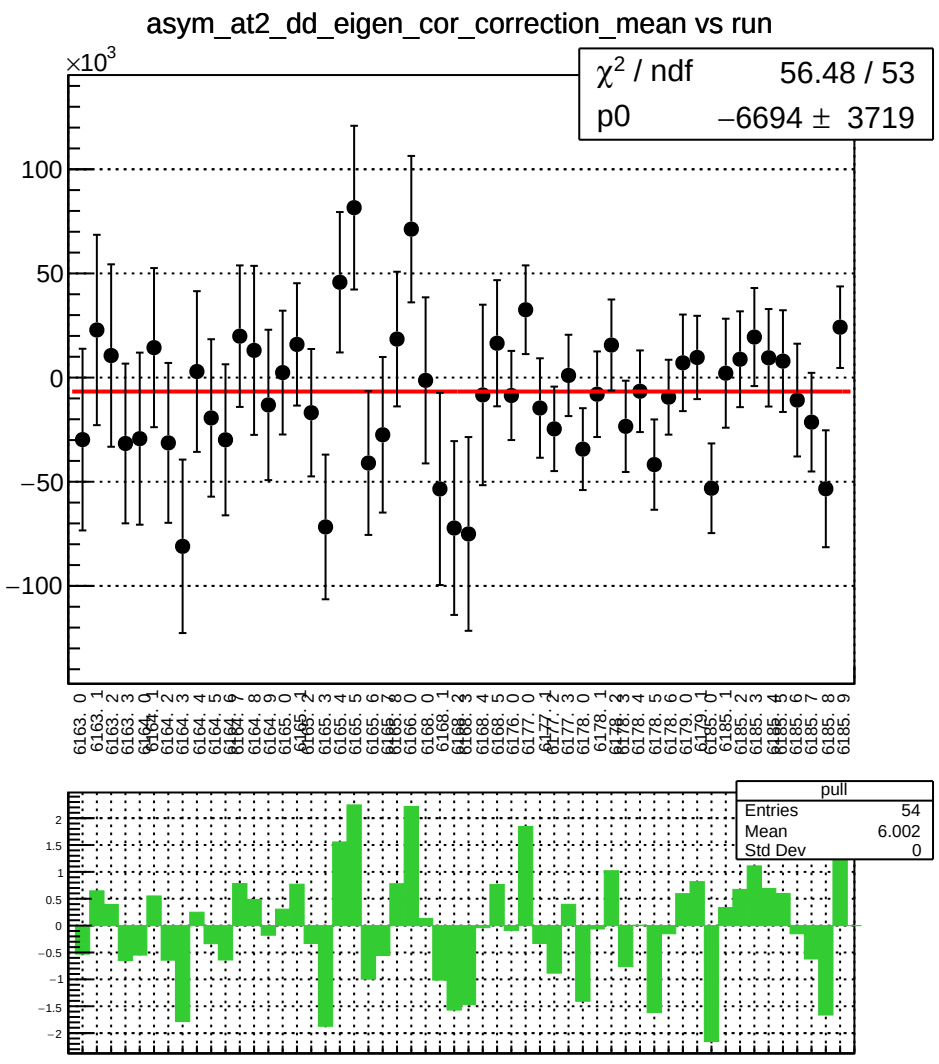

pull1D
Entries 54
Mean −0.02765
Std Dev 1.022
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

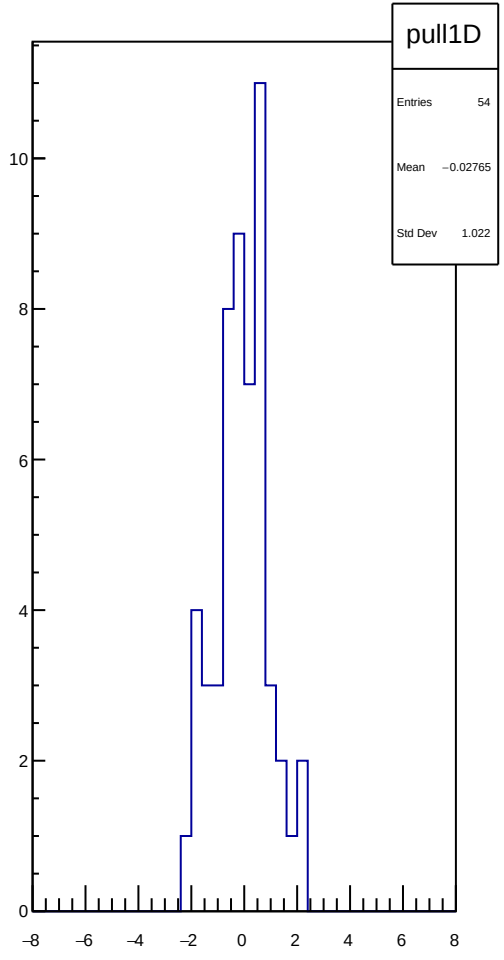

asym_at2_dd_cor_correction_rms vs run
χ² / ndf 7.931e+04 / 53
p0 2568 ± 2.63
4500
4000
3500
3000
2500
2000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

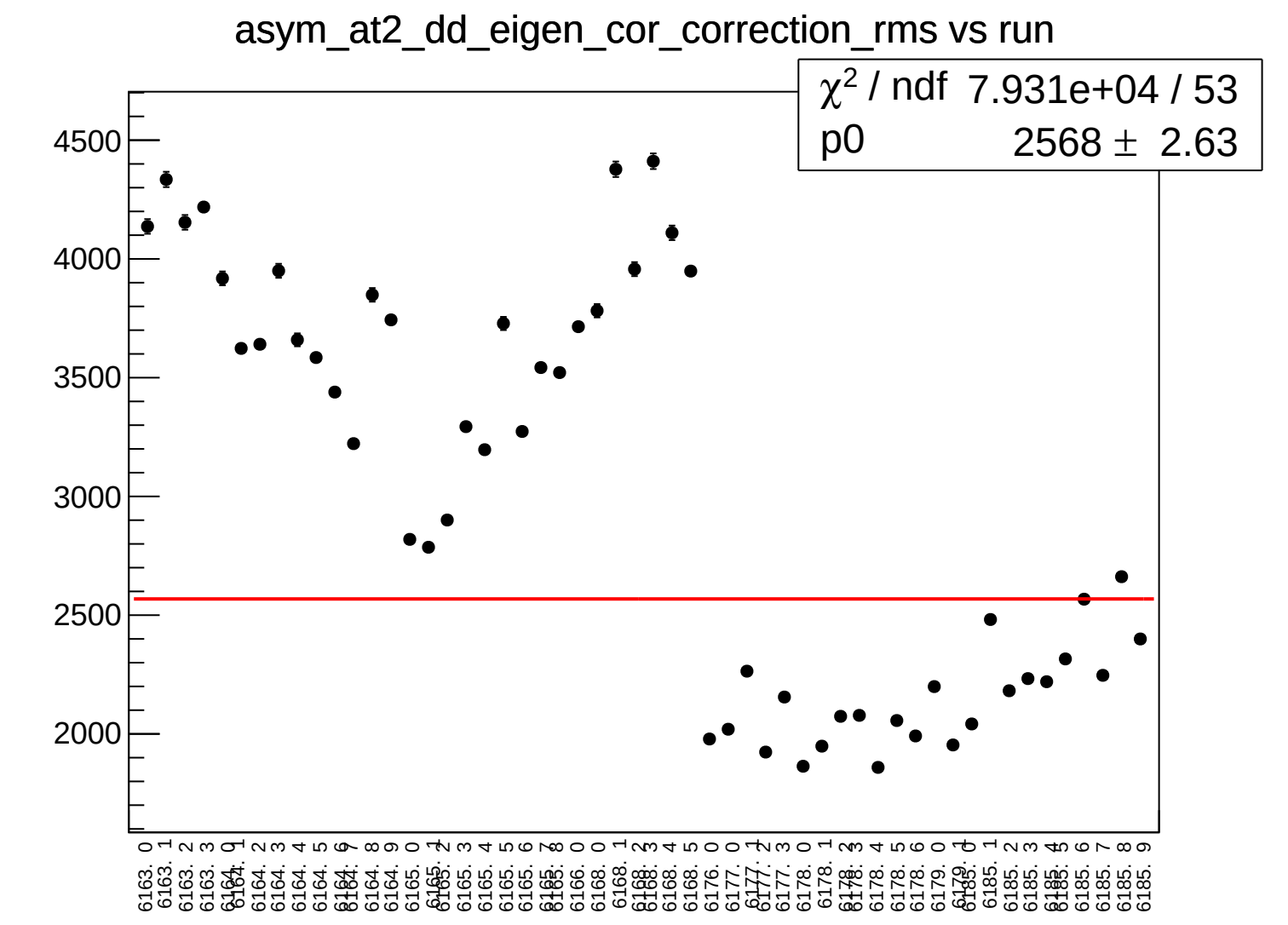

eigen_cor_asym_at2_dd_mean vs run
χ² / ndf 50.01 / 53
p0 −506.2 ± 2243
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 4203
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

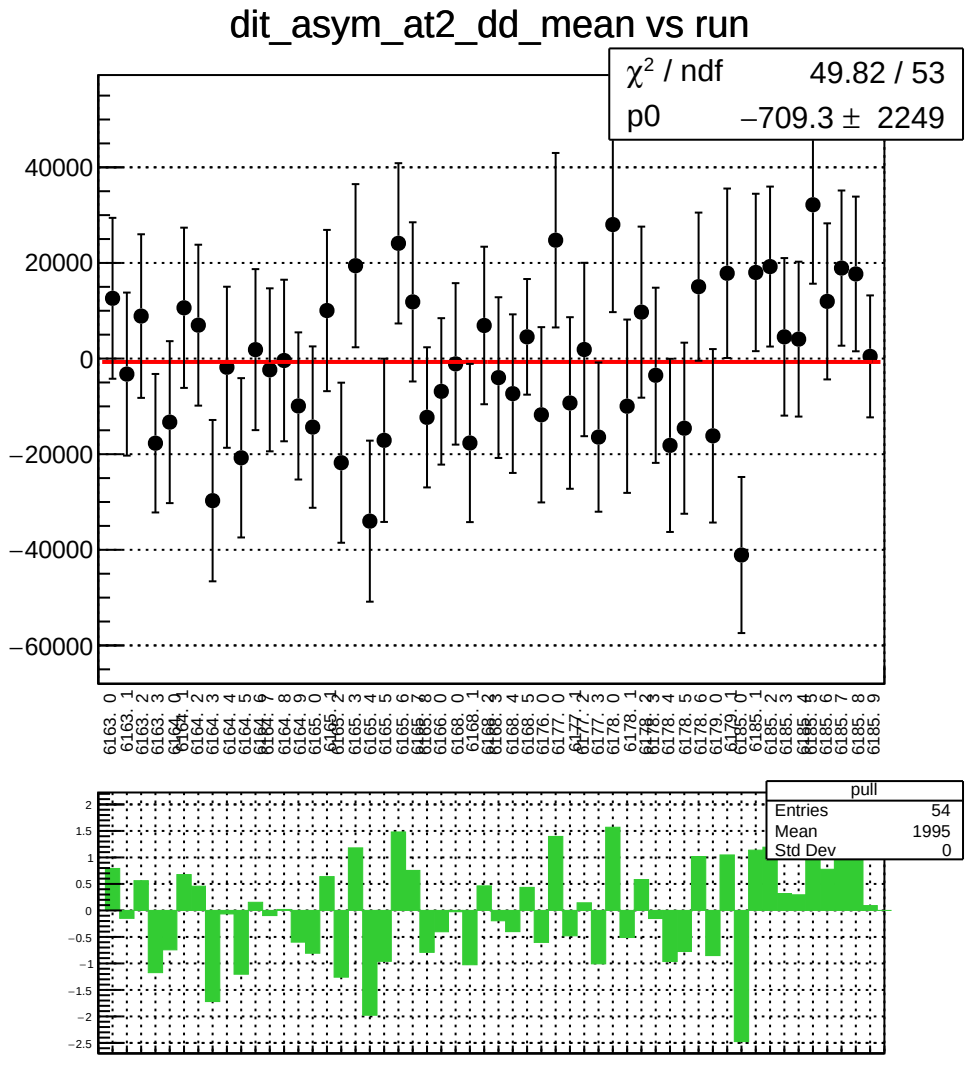

pull1D
Entries 54
Mean 0.0009581
Std Dev 0.9623
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

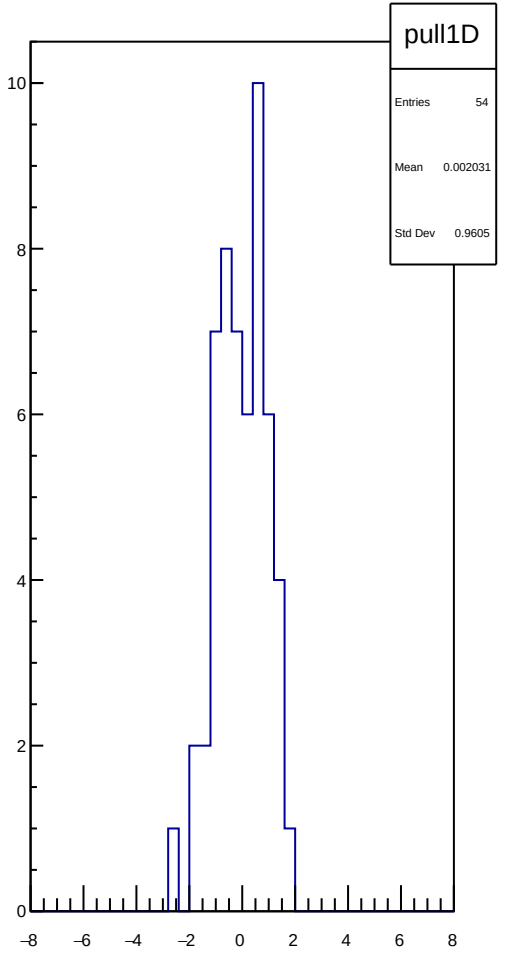

eigen_cor_asym_at2_dd_rms vs run
χ² / ndf 1419 / 53
p0 1611 ± 1.586
1750
1700
1650
1600
1550
1500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

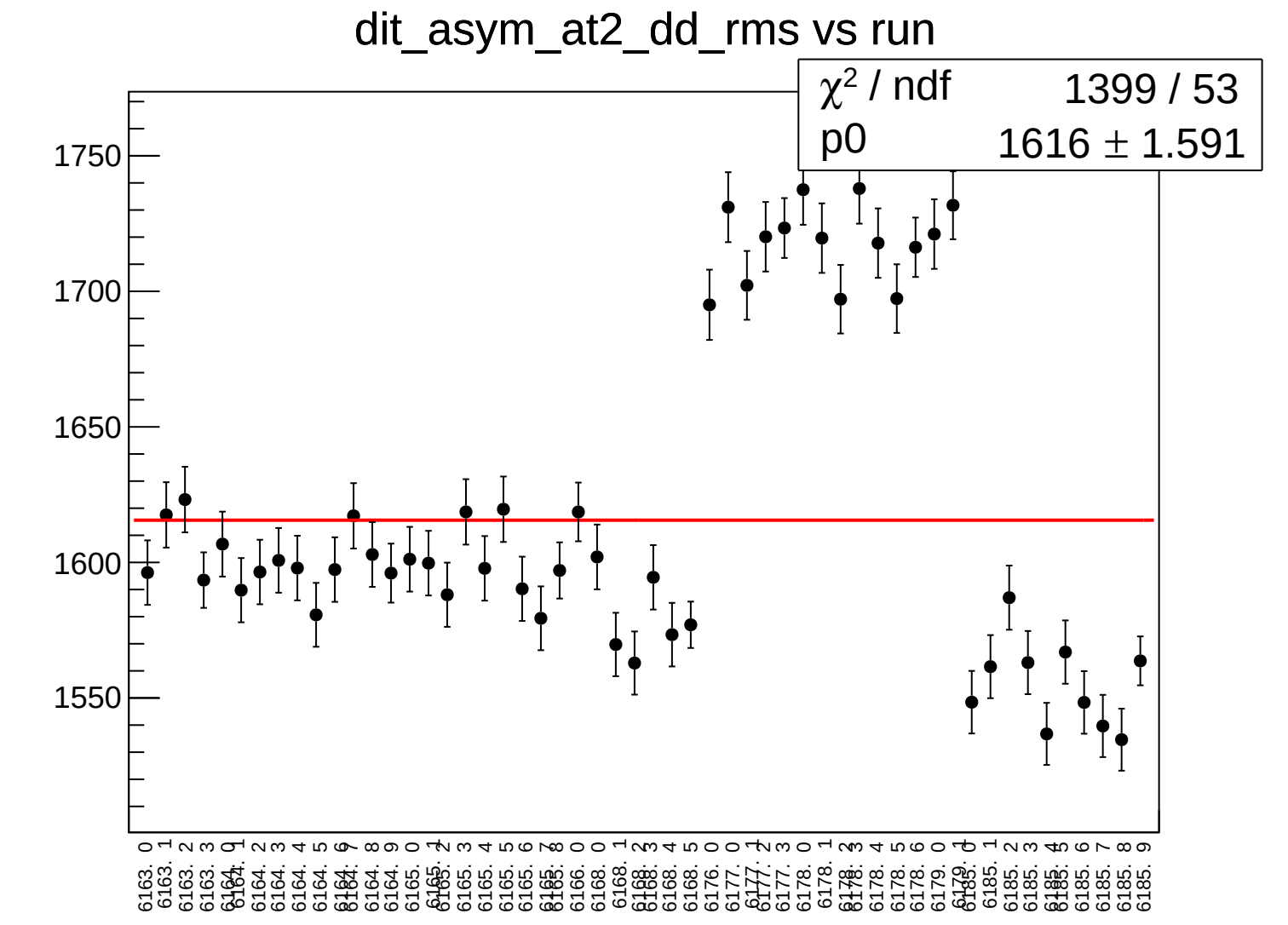

asym_at2_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 56.48 / 53
p0 −6694 ± 3719
100
50
0
−50
−100
pull
Entries 54
Mean 6.002
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

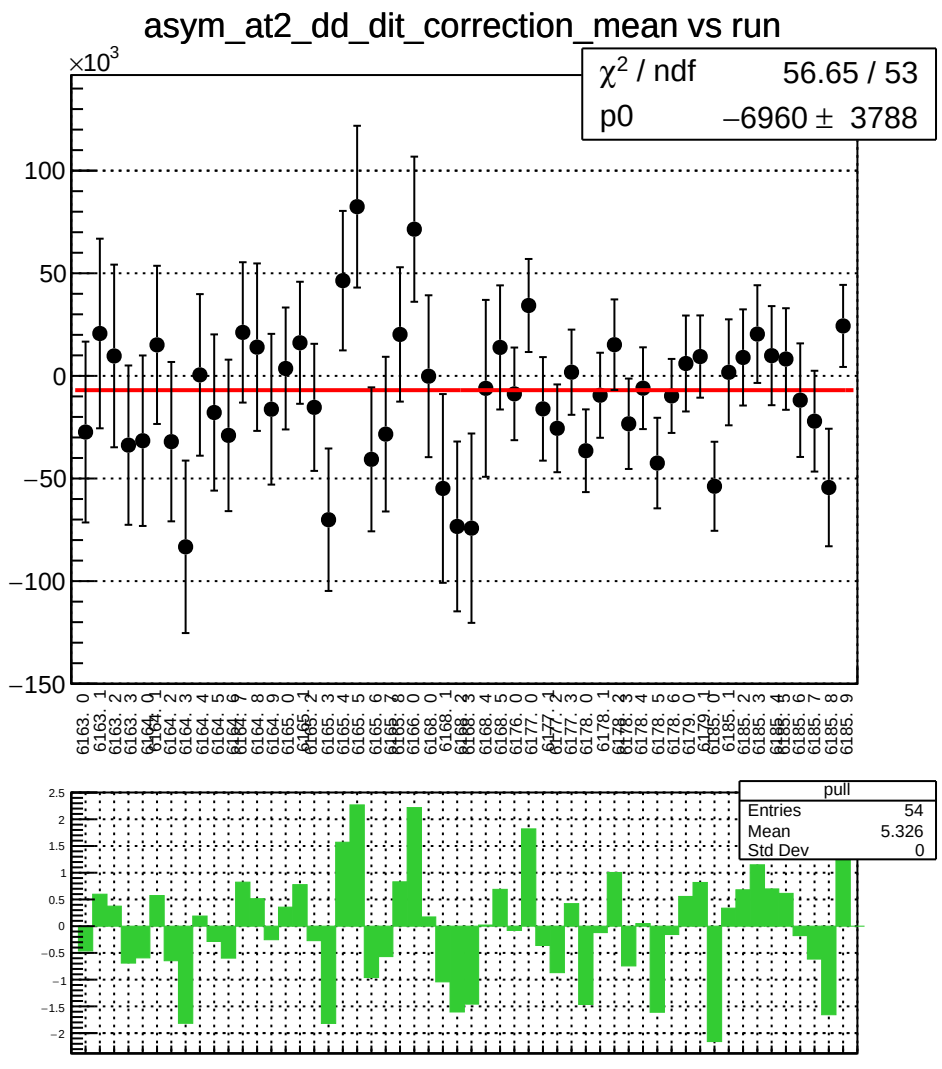

pull1D
Entries 54
Mean −0.02765
Std Dev 1.022
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

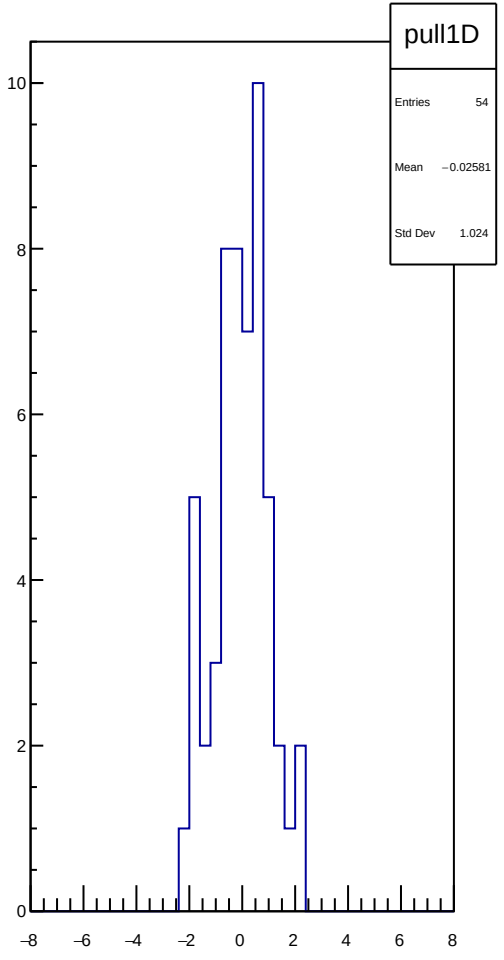

asym_at2_dd_eigen_cor_correction_rms vs run
χ² / ndf 7.931e+04 / 53
p0 2568 ± 2.63
4500
4000
3500
3000
2500
2000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

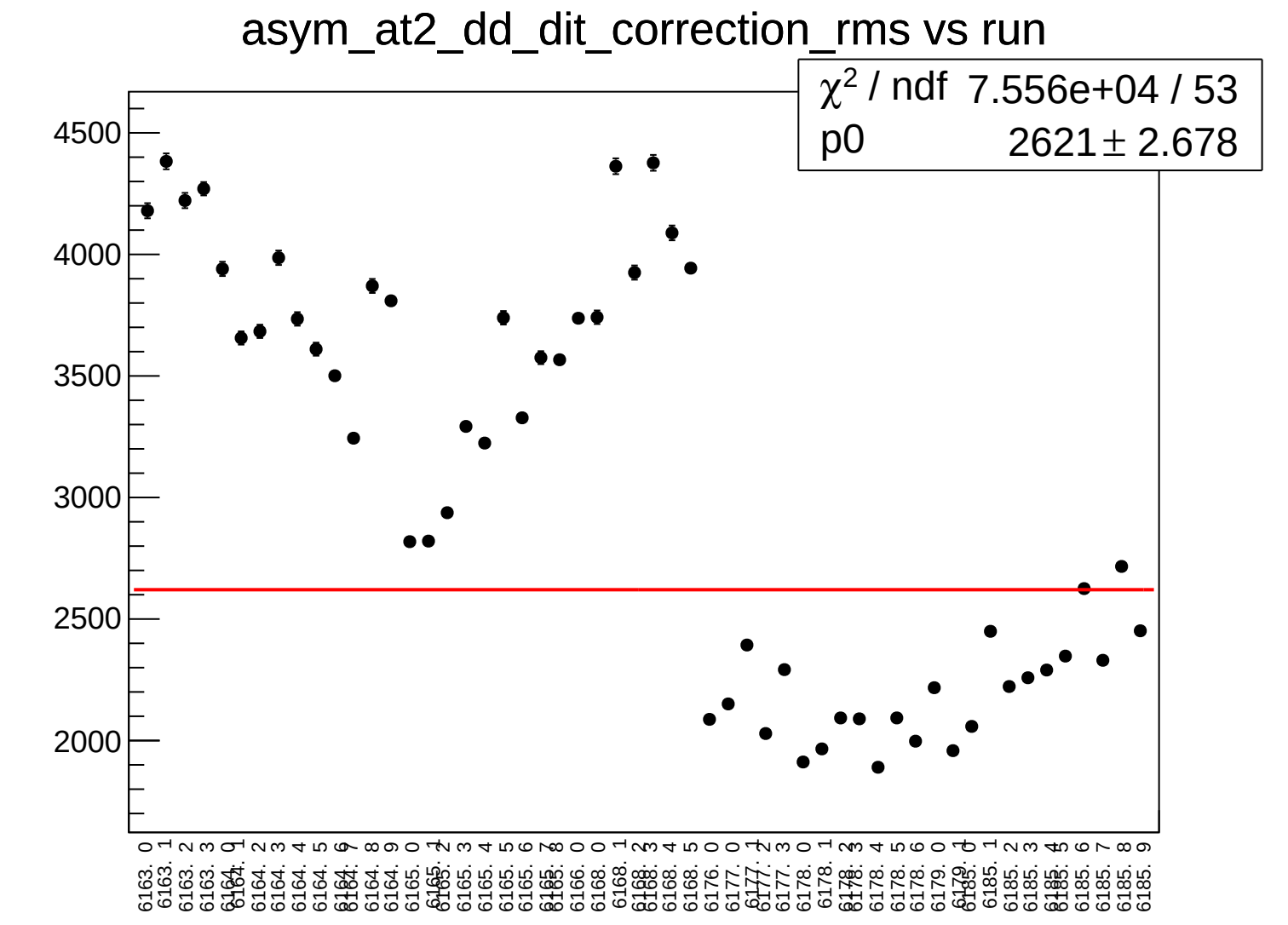

dit_asym_at2_dd_mean vs run
χ² / ndf 49.82 / 53
p0 −709.3 ± 2249
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 1995
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

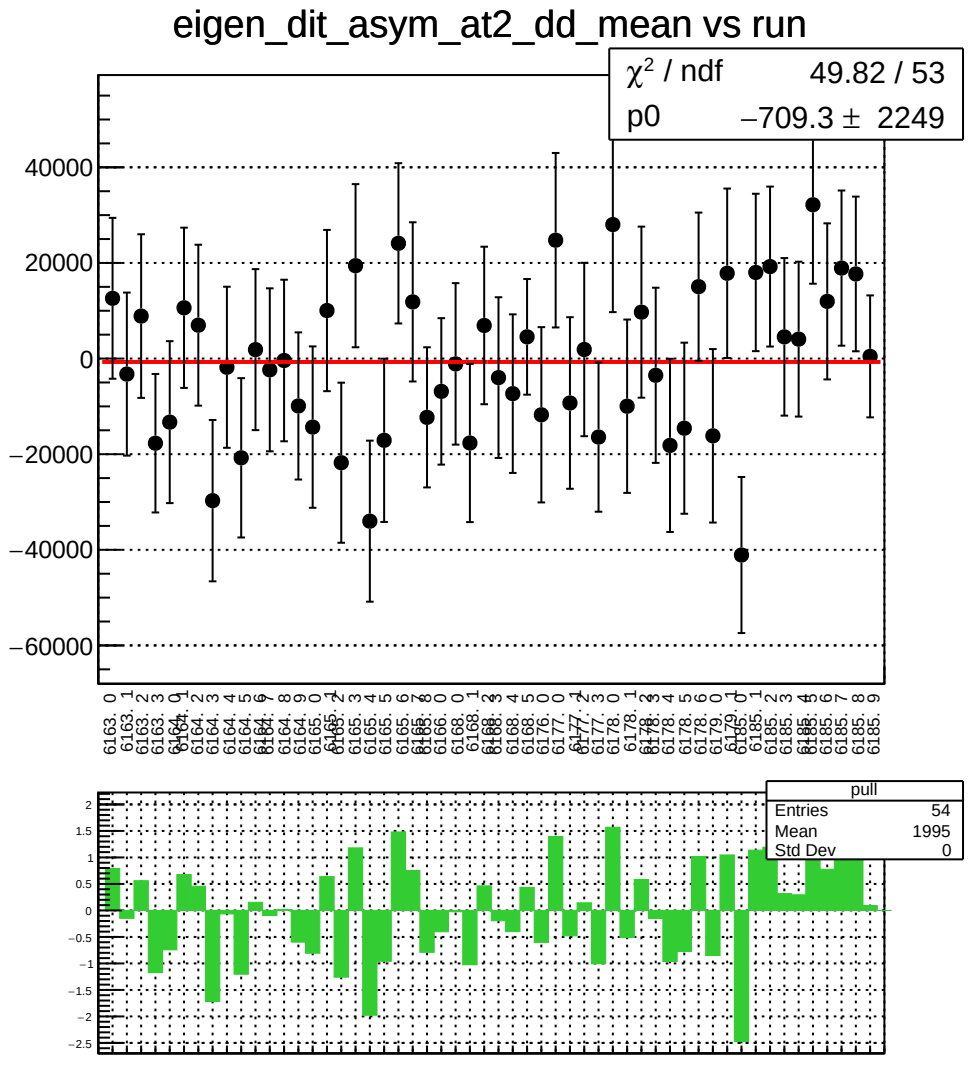

pull1D
Entries 54
Mean 0.002031
Std Dev 0.9605
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

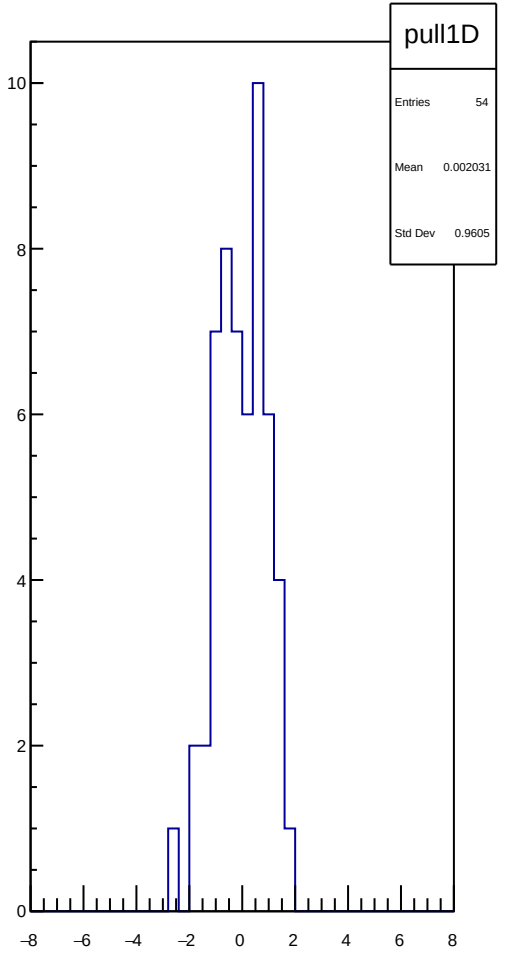

dit_asym_at2_dd_rms vs run
χ² / ndf 1399 / 53
p0 1616 ± 1.591
1750
1700
1650
1600
1550
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

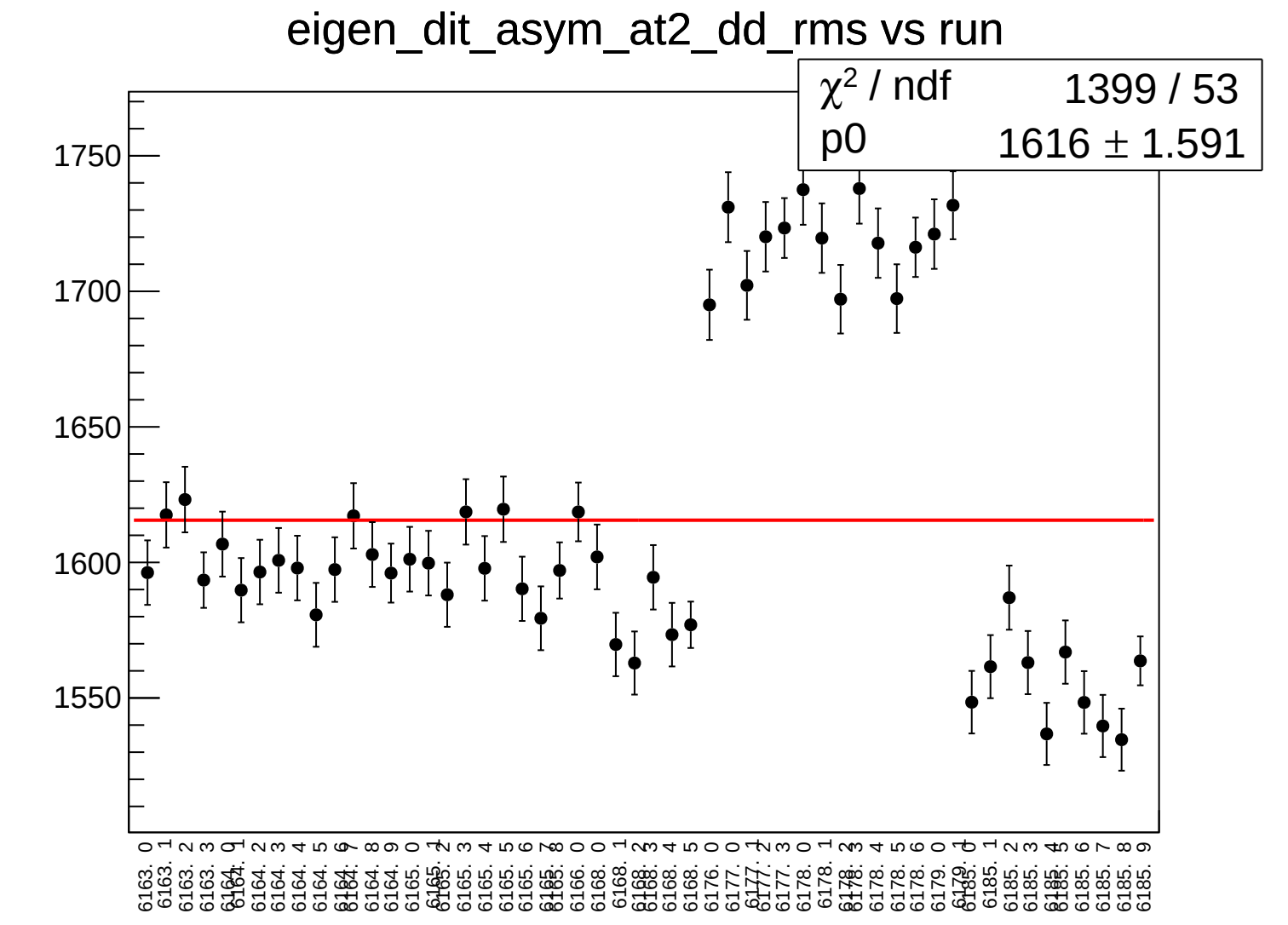

asym_at2_dd_dit_correction_mean vs run
×10^3
χ² / ndf 56.65 / 53
p0 −6960 ± 3788
100
50
0
−50
−100
−150
pull
Entries 54
Mean 5.326
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

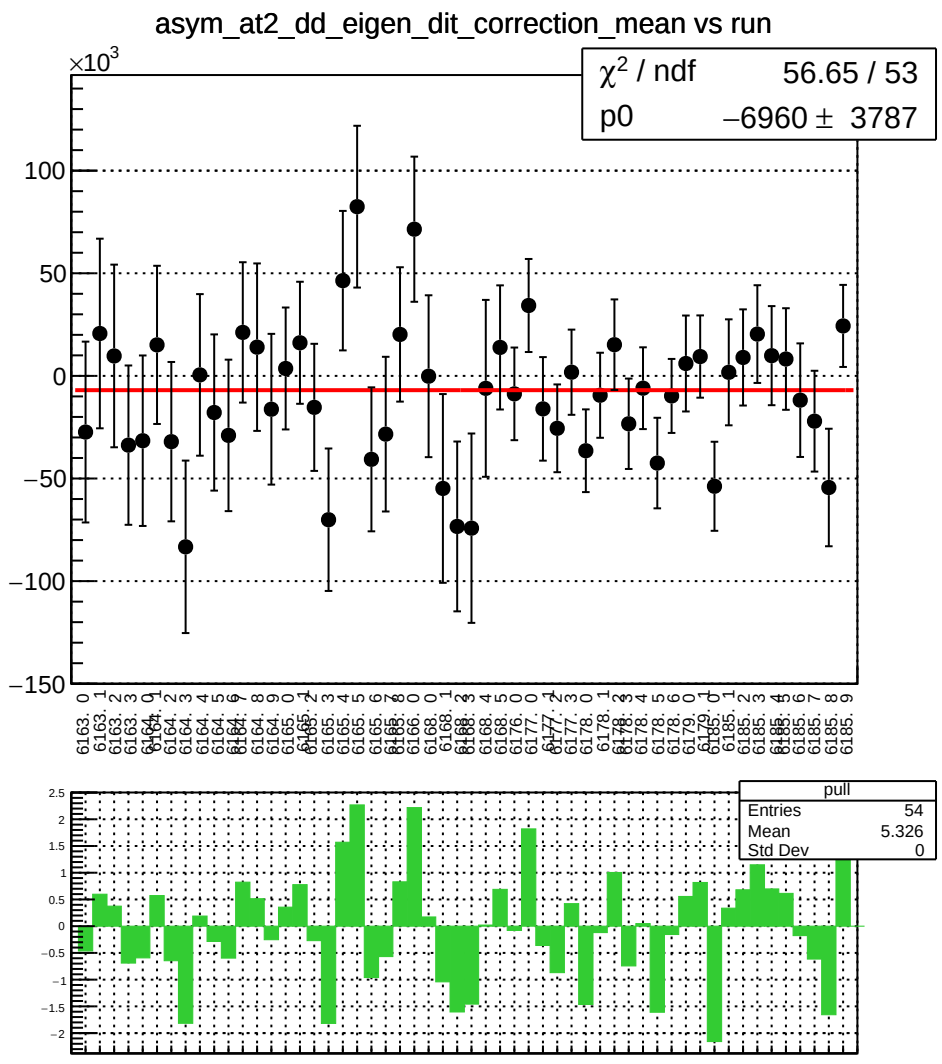

pull1D
Entries 54
Mean −0.02581
Std Dev 1.024
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

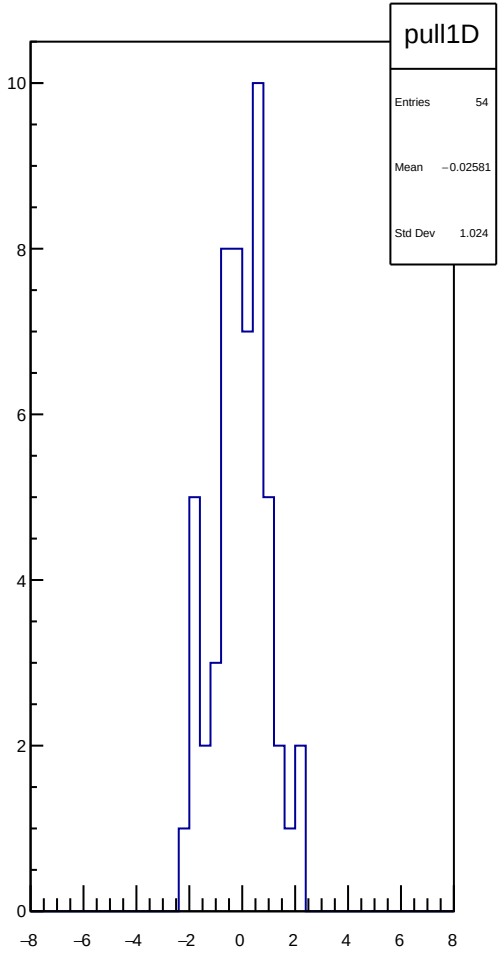

asym_at2_dd_dit_correction_rms vs run
χ² / ndf 7.556e+04 / 53
p0 2621 ± 2.678
4500
4000
3500
3000
2500
2000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

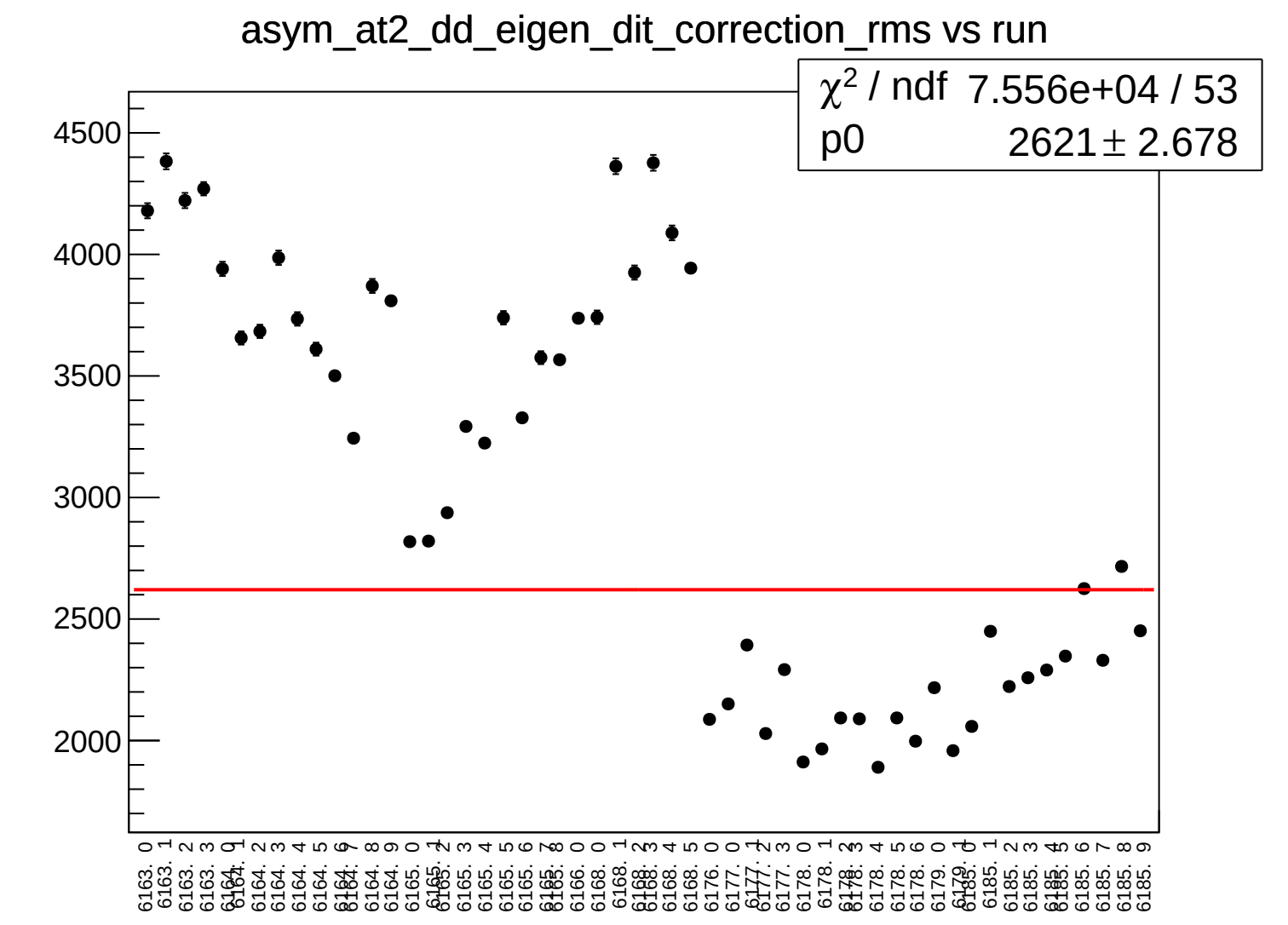

eigen_dit_asym_at2_dd_mean vs run
χ² / ndf 49.82 / 53
p0 −709.3 ± 2249
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 1995
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

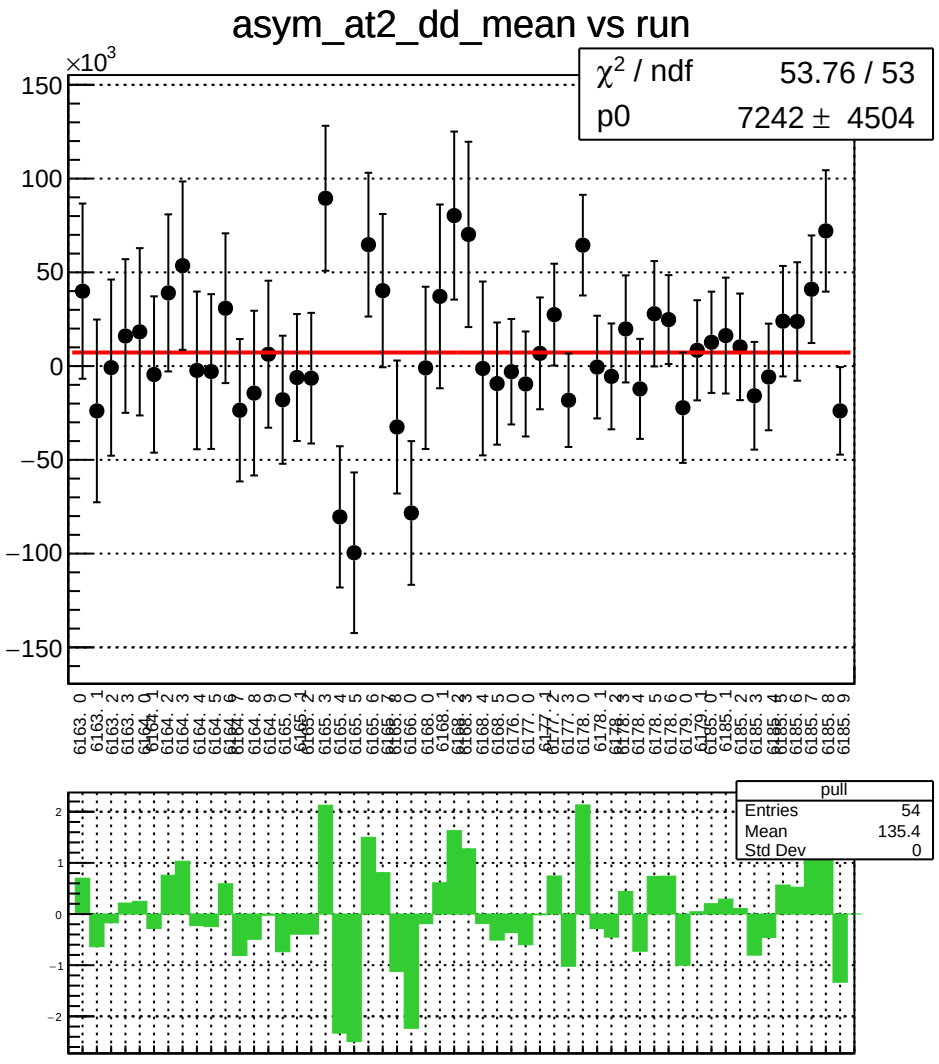

pull1D
Entries 54
Mean 0.002031
Std Dev 0.9605
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

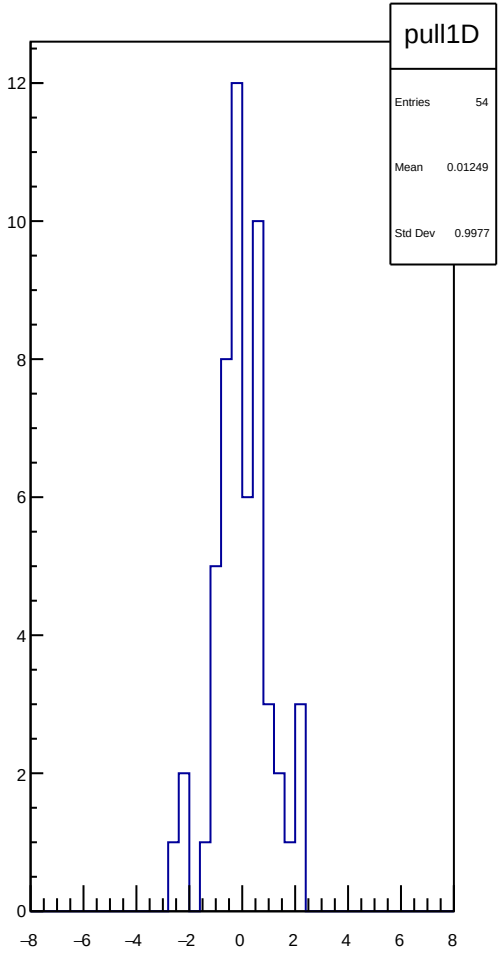

eigen_dit_asym_at2_dd_rms vs run
χ² / ndf 1399 / 53
p0 1616 ± 1.591
1750
1700
1650
1600
1550
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

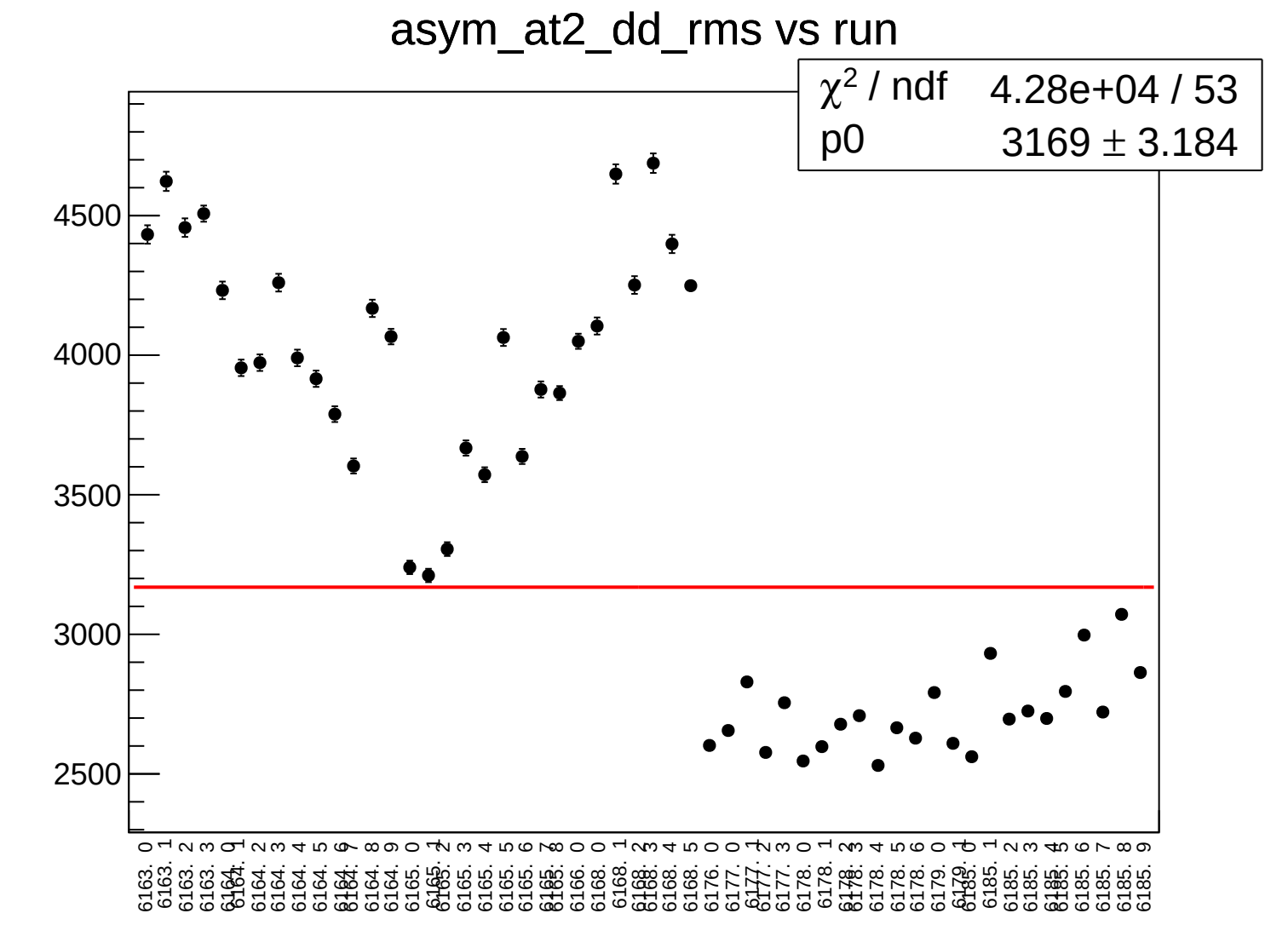

asym_at2_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 56.65 / 53
p0 −6960 ± 3787
100
50
0
−50
−100
−150
pull
Entries 54
Mean 5.326
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

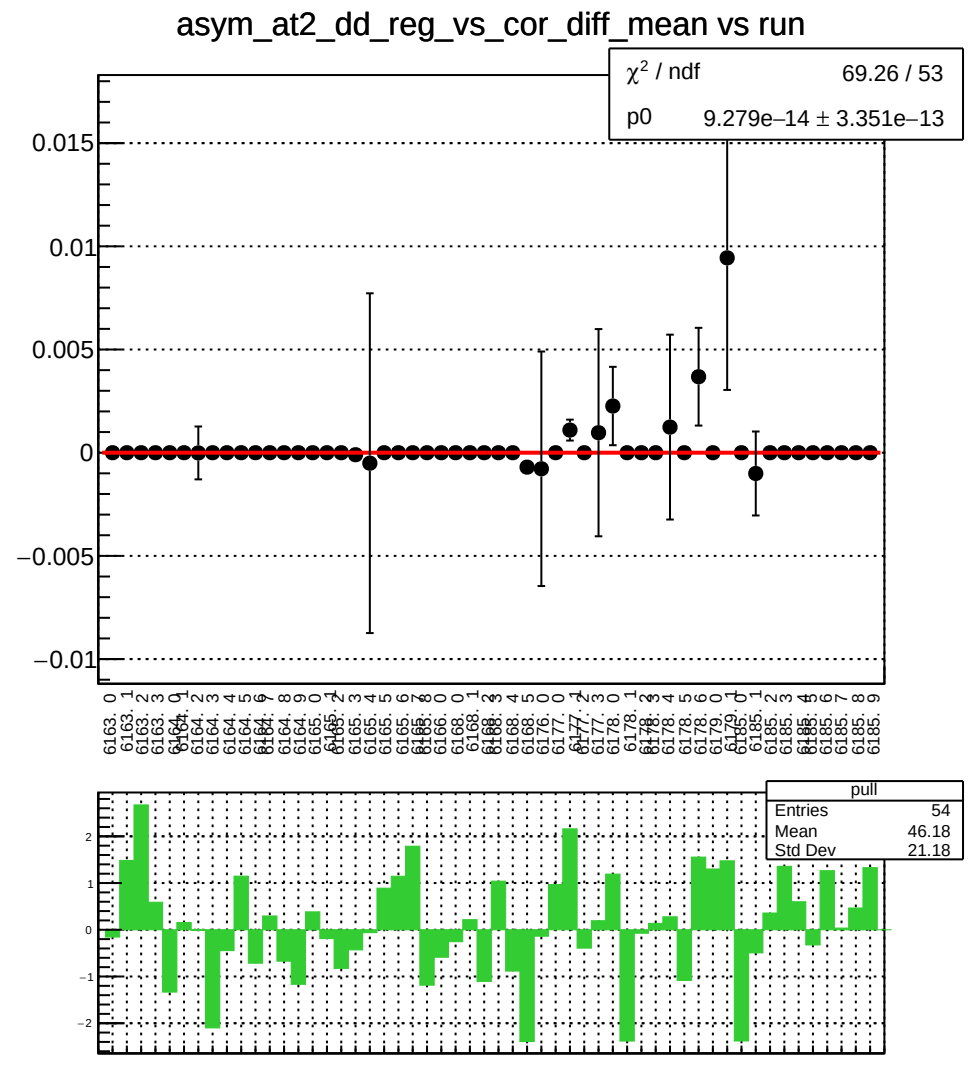

pull1D
Entries 54
Mean −0.02581
Std Dev 1.024
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

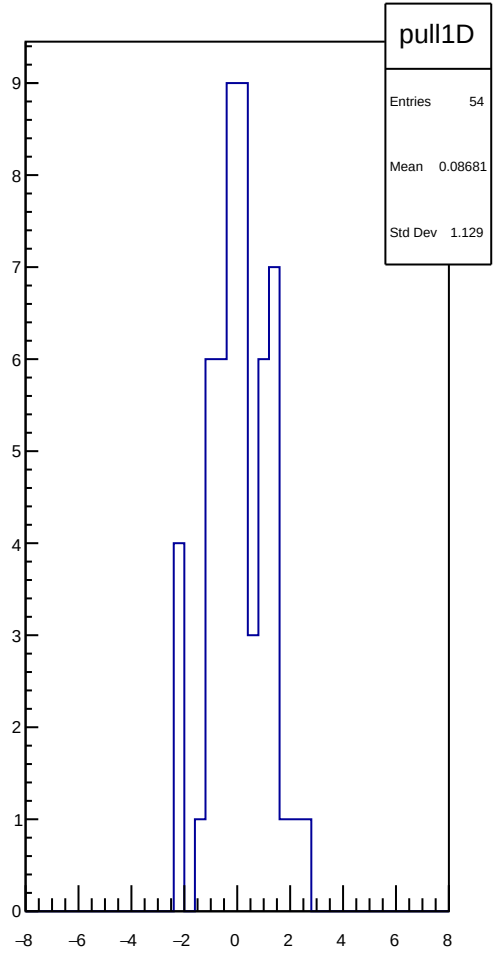

asym_at2_dd_eigen_dit_correction_rms vs run
χ² / ndf 7.556e+04 / 53
p0 2621 ± 2.678
4500
4000
3500
3000
2500
2000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

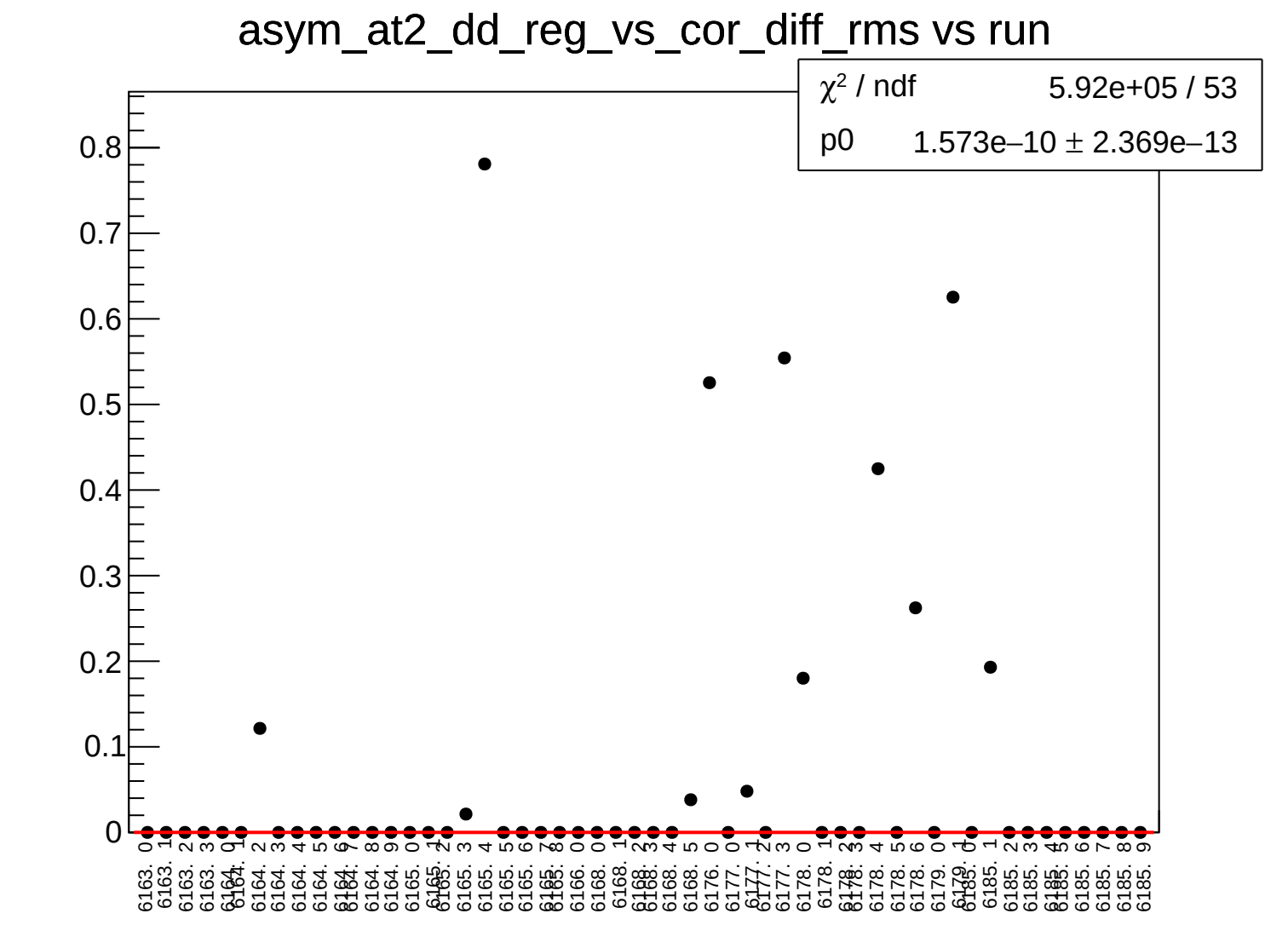

asym_at2_dd_mean vs run
×10^3
χ^2 / ndf 53.76 / 53
p0 7242 ± 4504
150
100
50
0
−50
−100
−150
pull
Entries 54
Mean 135.4
Std Dev 0
2
1
0
−1
−2

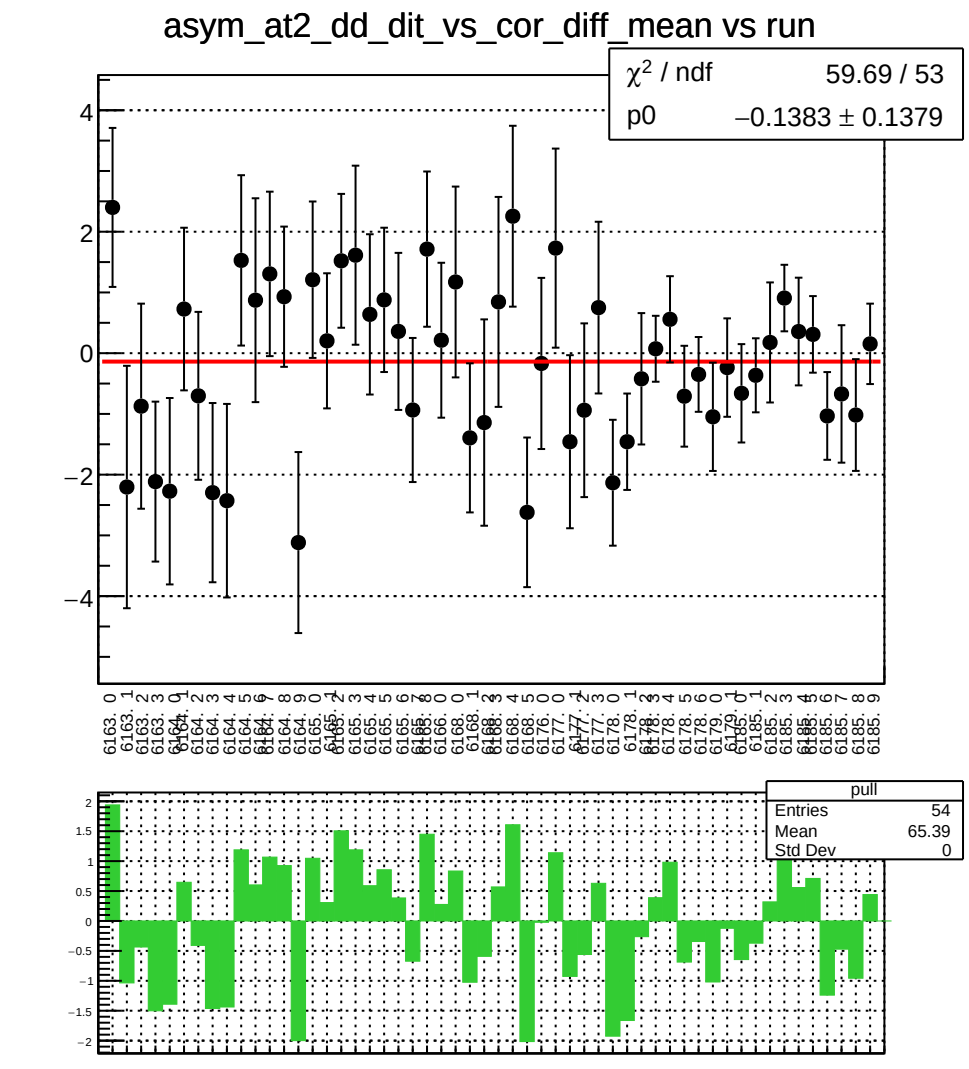

pull1D
Entries 54
Mean 0.01249
Std Dev 0.9977
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

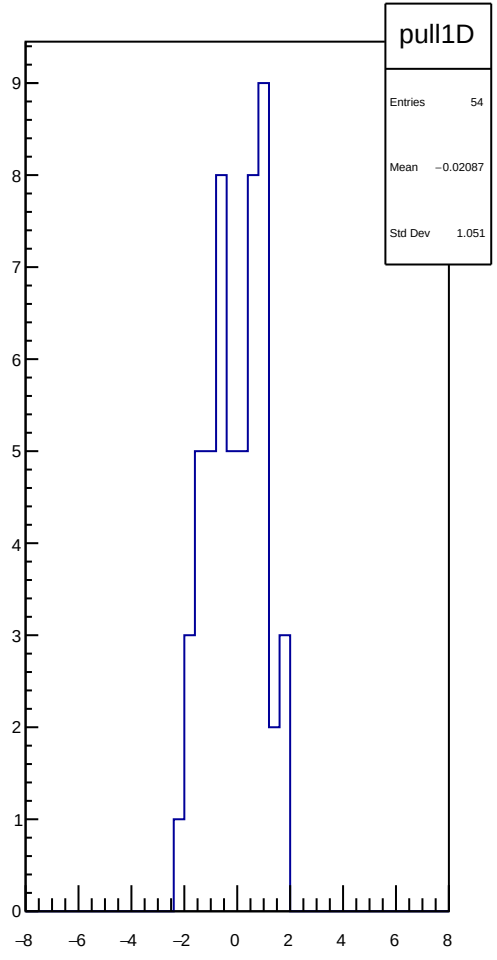

asym_at2_dd_rms vs run
χ² / ndf 4.28e+04 / 53
p0 3169 ± 3.184
4500
4000
3500
3000
2500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

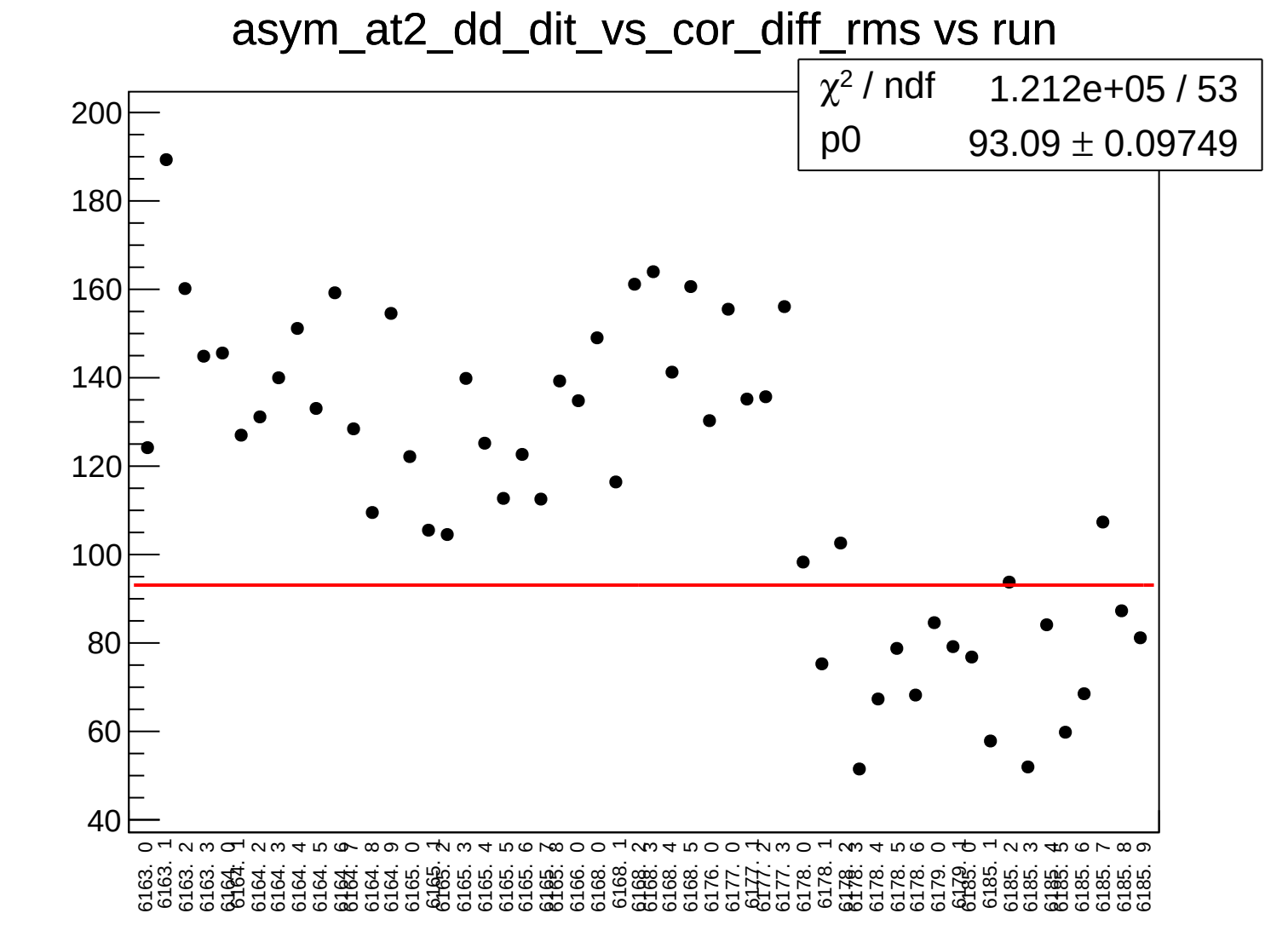

asym_at2_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 69.26 / 53
p0 9.279e−14 ± 3.351e−13
0.015
0.01
0.005
0
−0.005
−0.01
pull
Entries 54
Mean 46.18
Std Dev 21.18


pull1D
Entries 54
Mean 0.08681
Std Dev 1.129

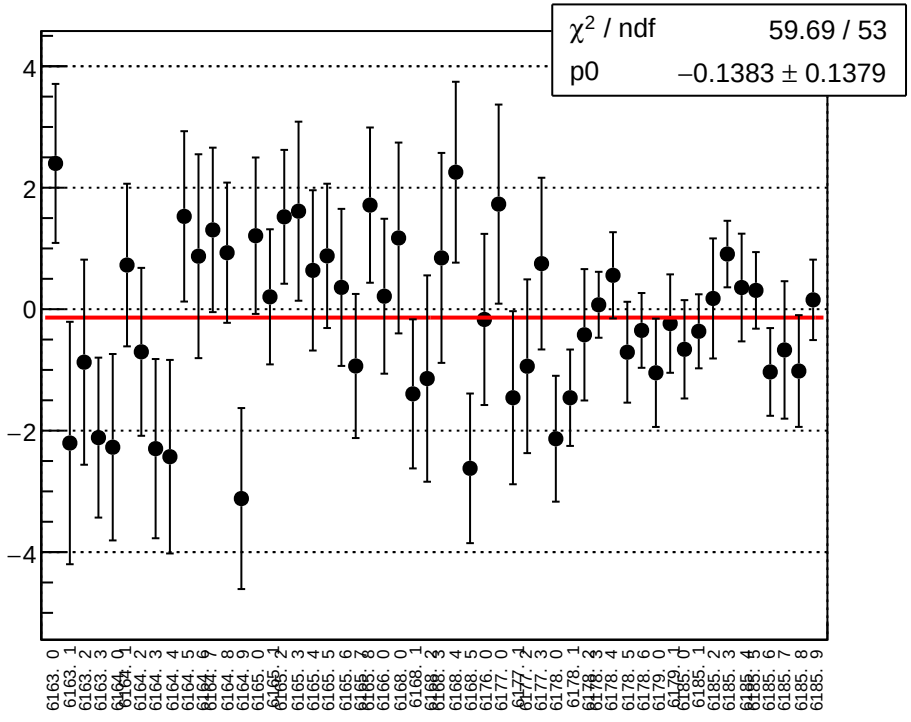

asym_at2_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.92e+05 / 53
p0 1.573e−10 ± 2.369e−13
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

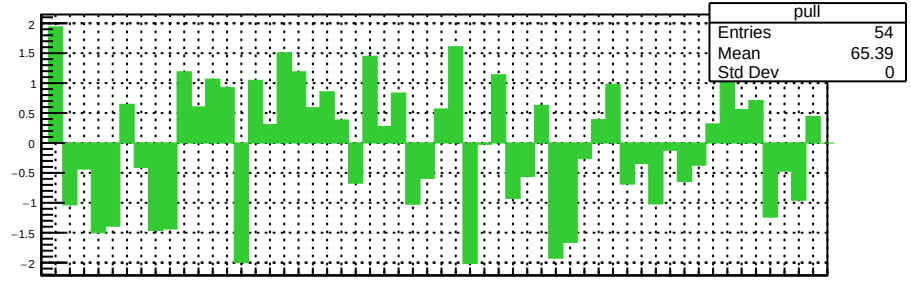

asym_at2_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 59.69 / 53
p0 −0.1383 ± 0.1379
pull
Entries 54
Mean 65.39
Std Dev 0

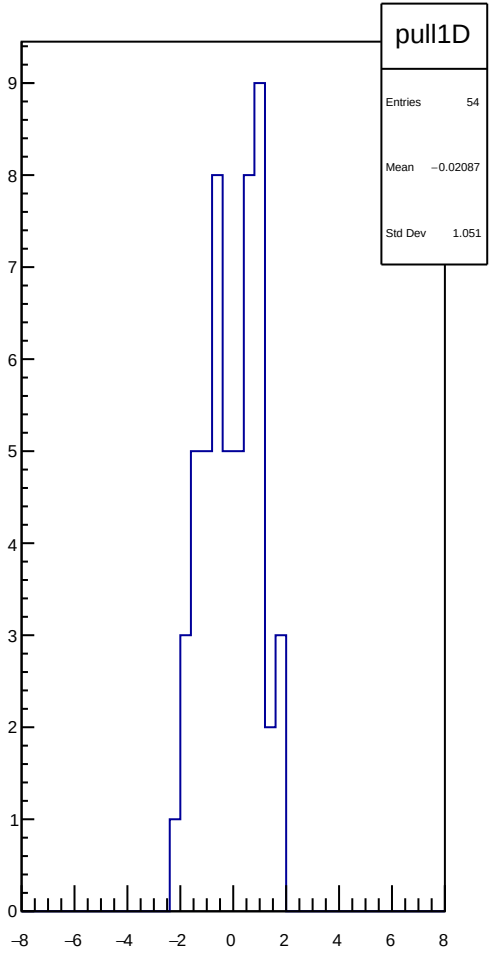

pull1D
Entries 54
Mean −0.02087
Std Dev 1.051

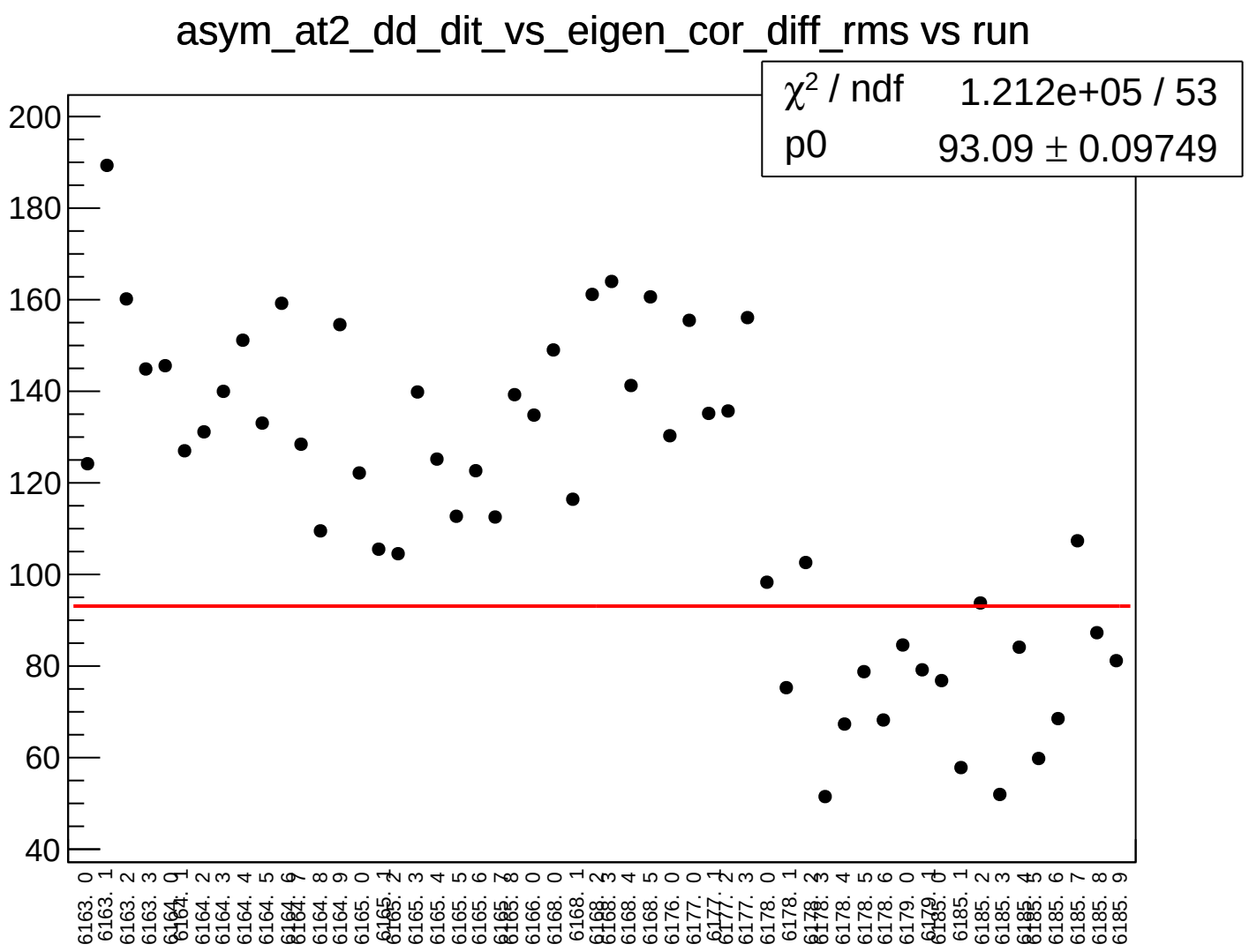

asym_at2_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.212e+05 / 53
p0 93.09 ± 0.09749
200
180
160
140
120
100
80
60
40
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

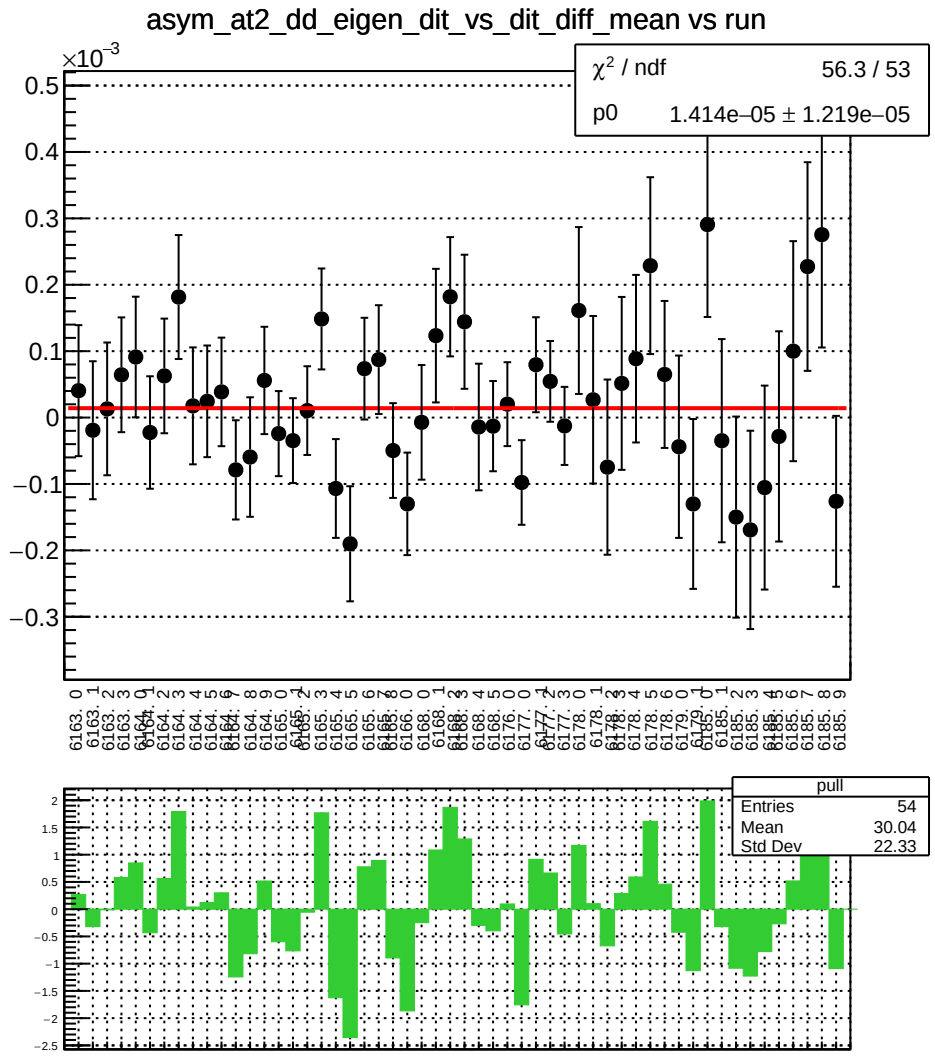
asym_at2_dd_dit_vs_eigen_cor_diff_mean vs run

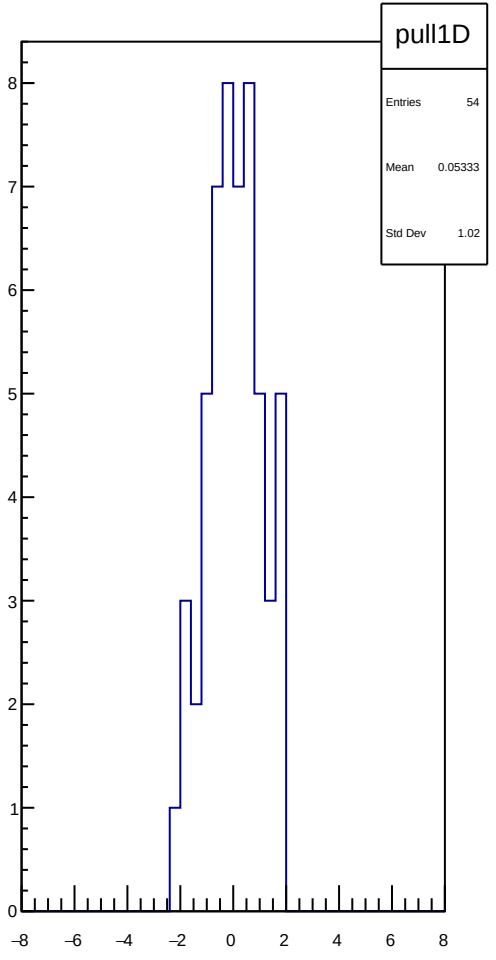


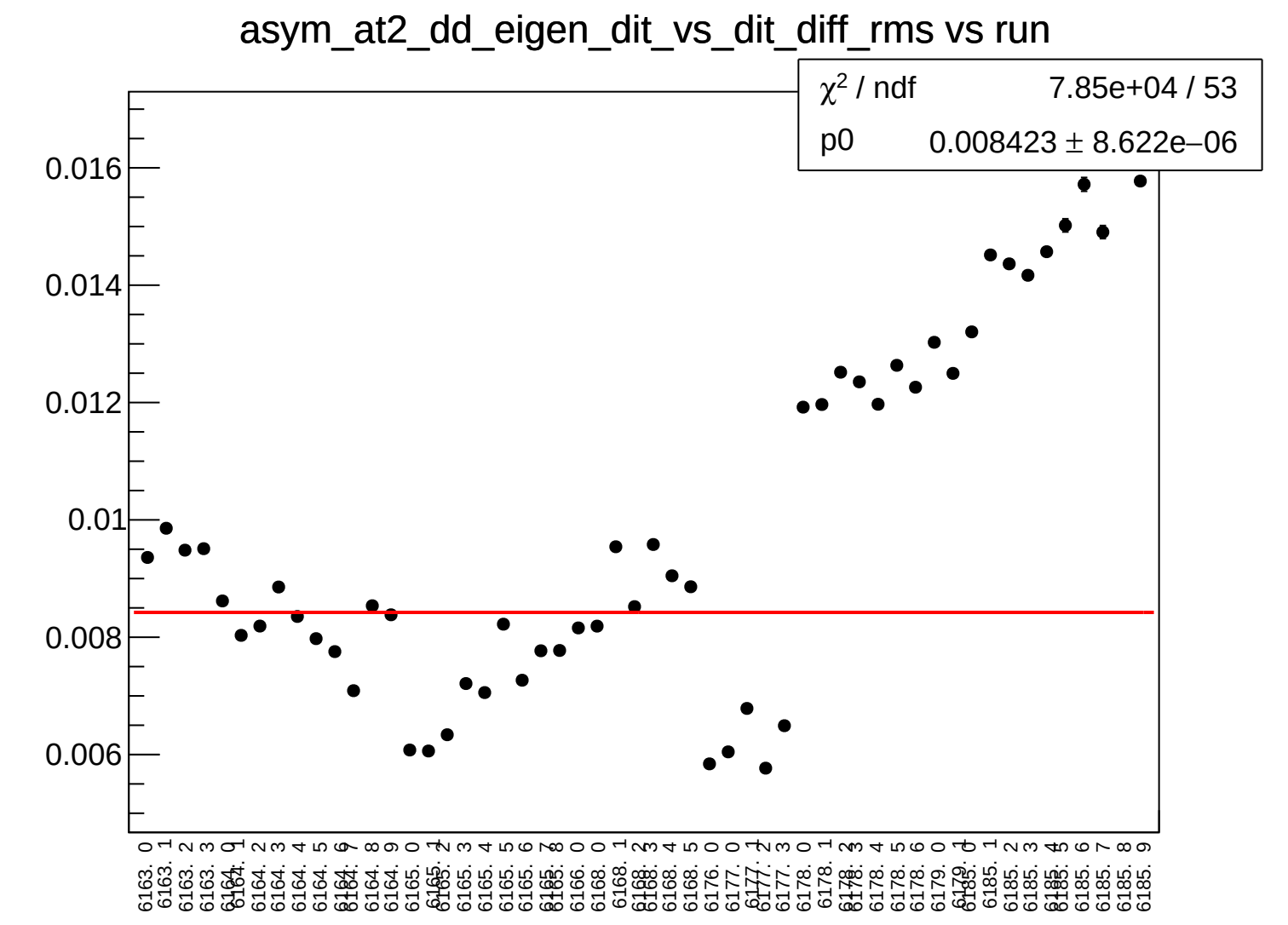


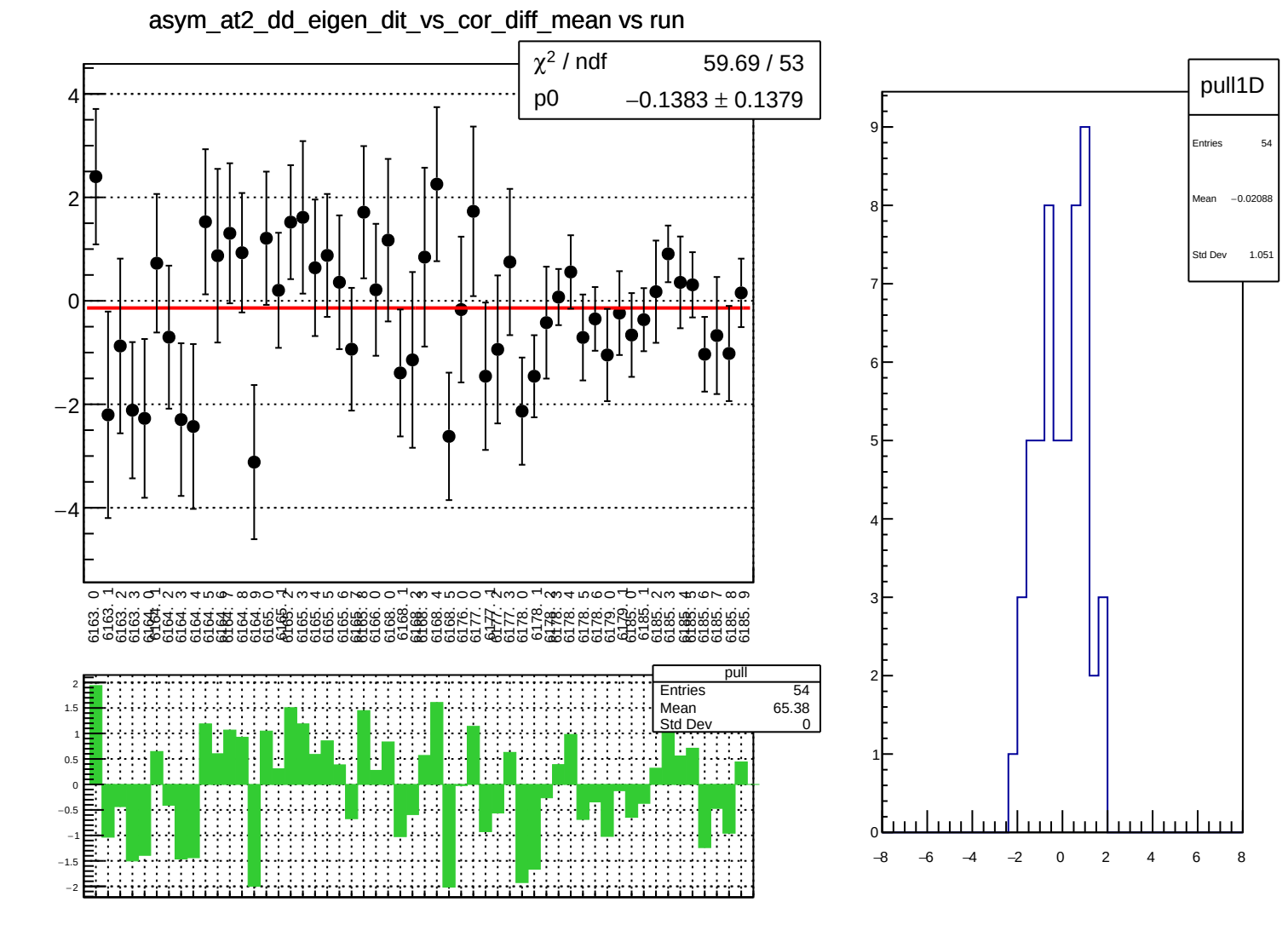


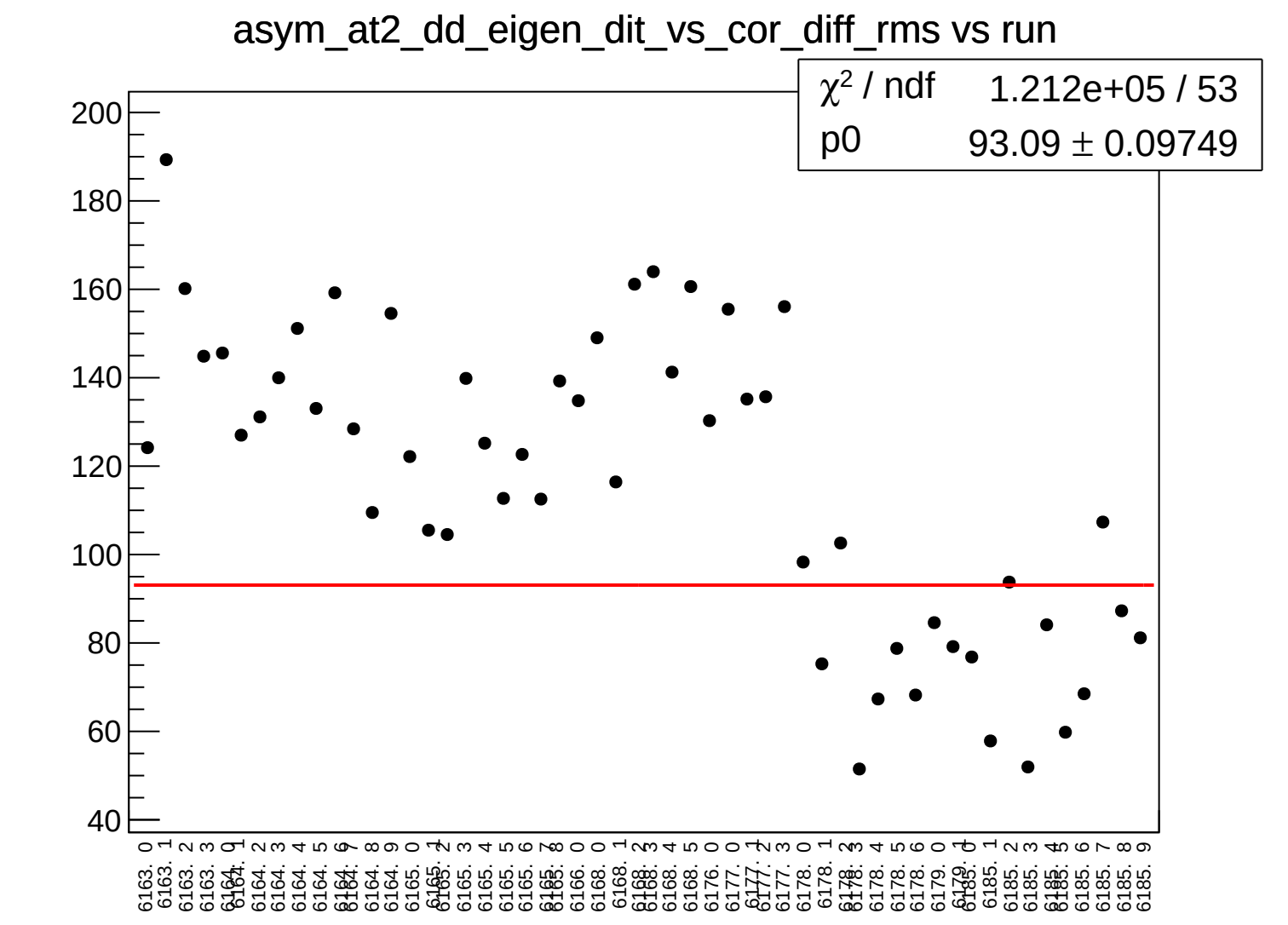

asym_at2_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.212e+05 / 53
p0 93.09 ± 0.09749
200
180
160
140
120
100
80
60
40
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


asym_at2_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 56.3 / 53
p0 1.414e−05 ± 1.219e−05
pull
Entries 54
Mean 30.04
Std Dev 22.33

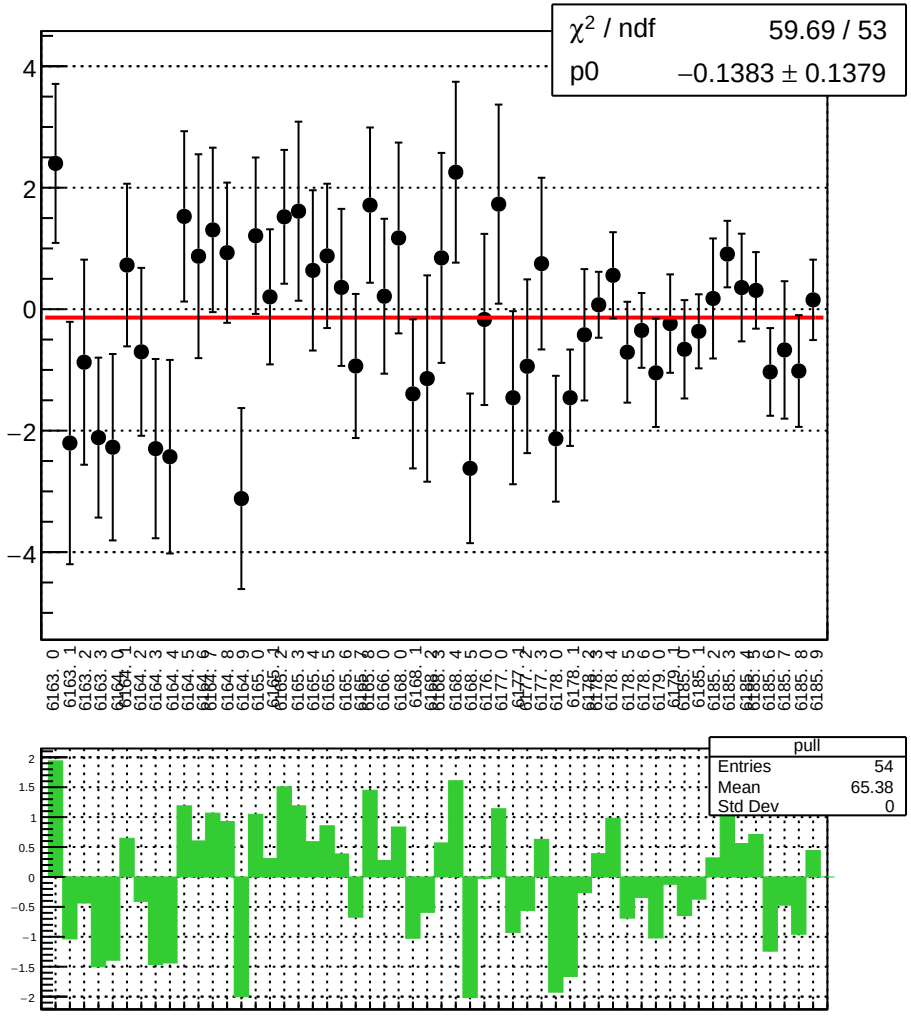

pull1D
Entries 54
Mean 0.05333
Std Dev 1.02

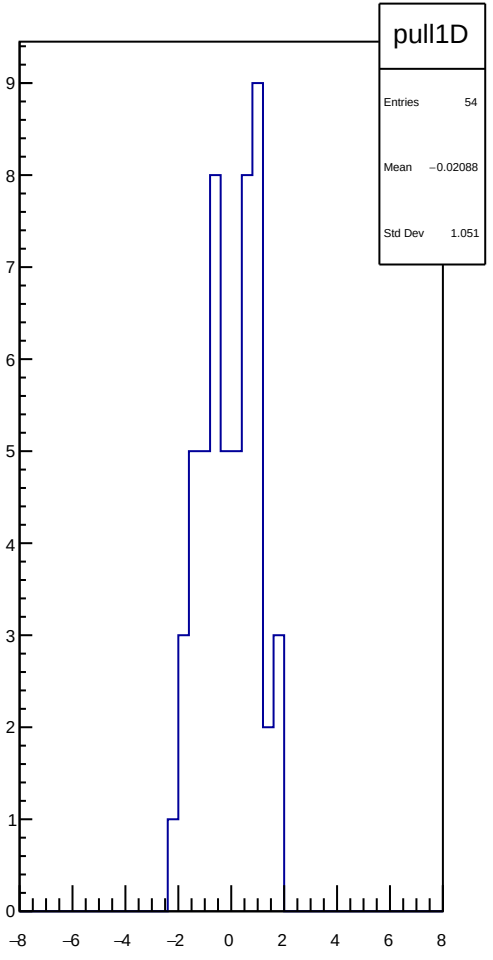

asym_at2_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 7.85e+04 / 53
p0 0.008423 ± 8.622e−06
0.016
0.014
0.012
0.01
0.008
0.006
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

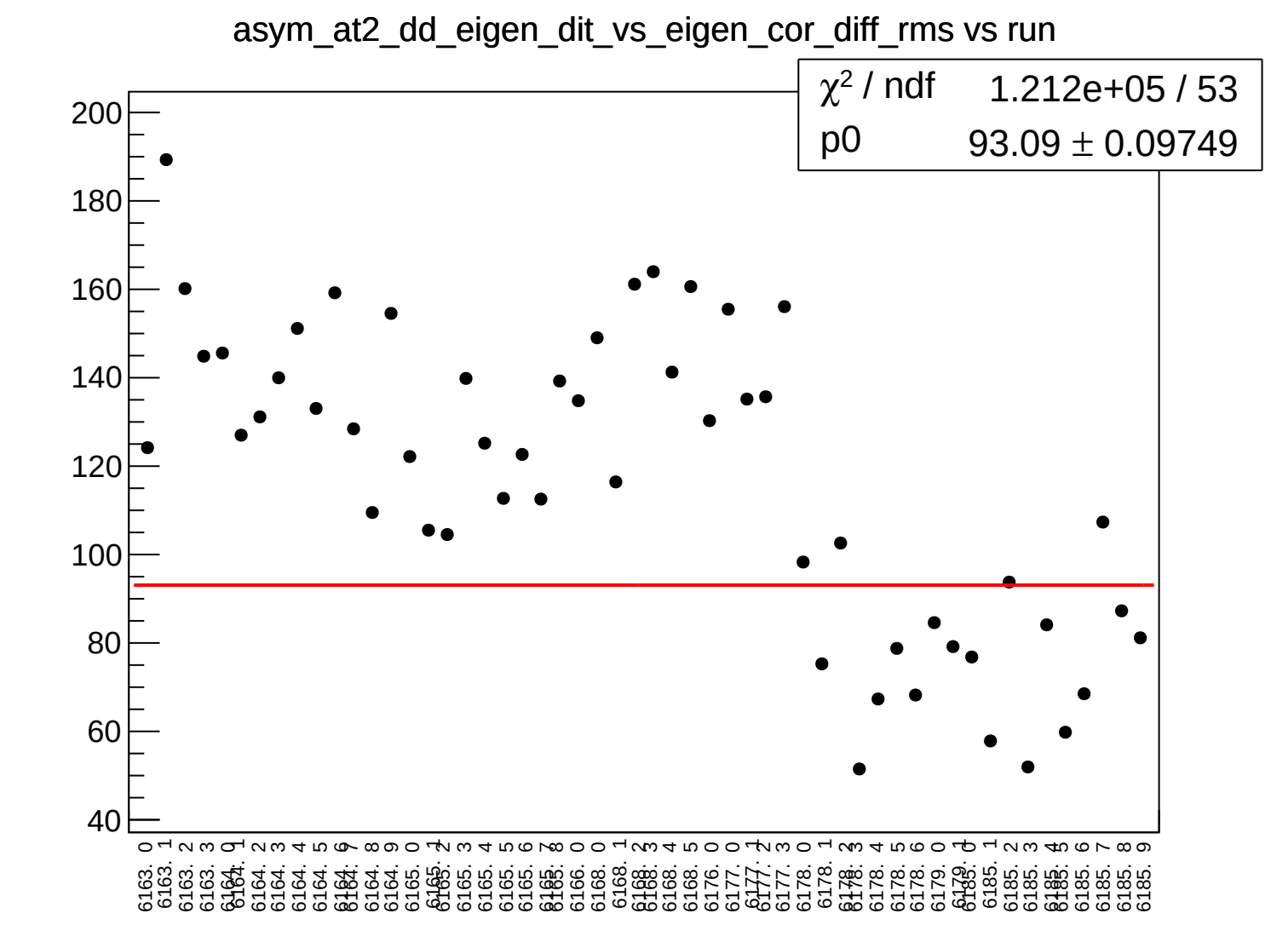

asym_at2_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 59.69 / 53
p0 −0.1383 ± 0.1379
pull
Entries 54
Mean 65.38
Std Dev 0
pull1D
Entries 54
Mean −0.02088
Std Dev 1.051

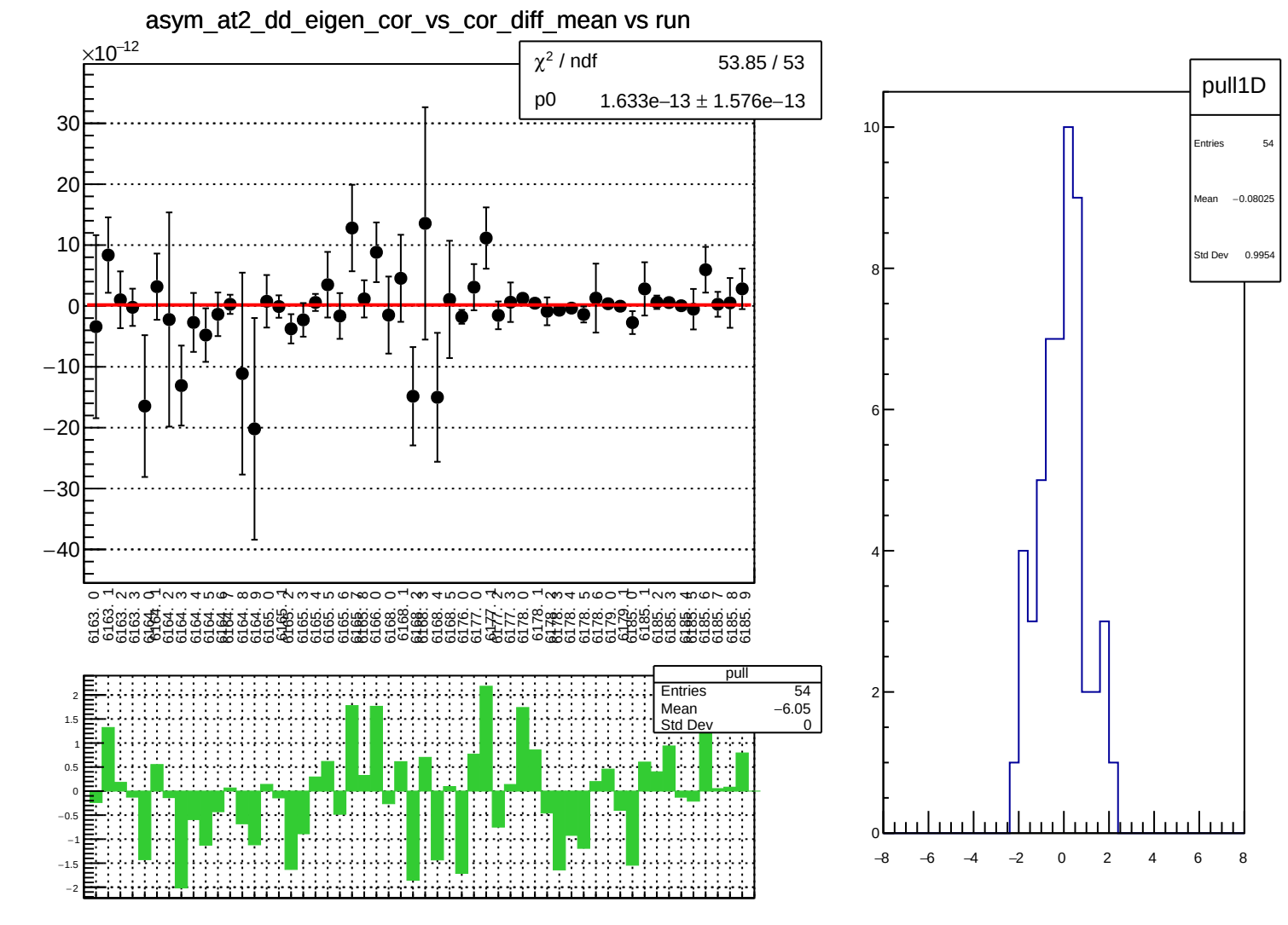

asym_at2_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.212e+05 / 53
p0 93.09 ± 0.09749
200
180
160
140
120
100
80
60
40
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

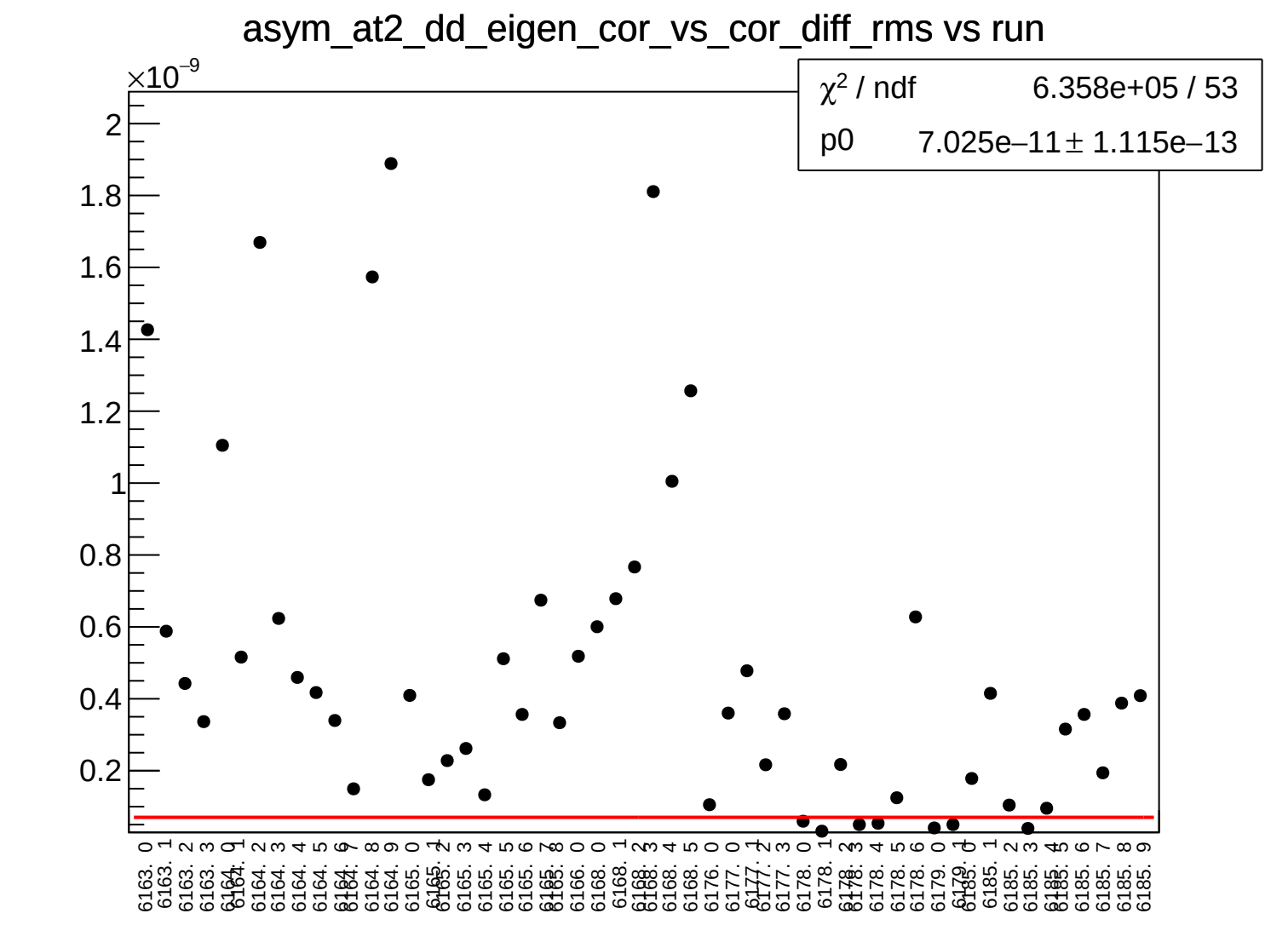
asym_at2_dd_eigen_dit_vs_eigen_cor_diff_mean vs run

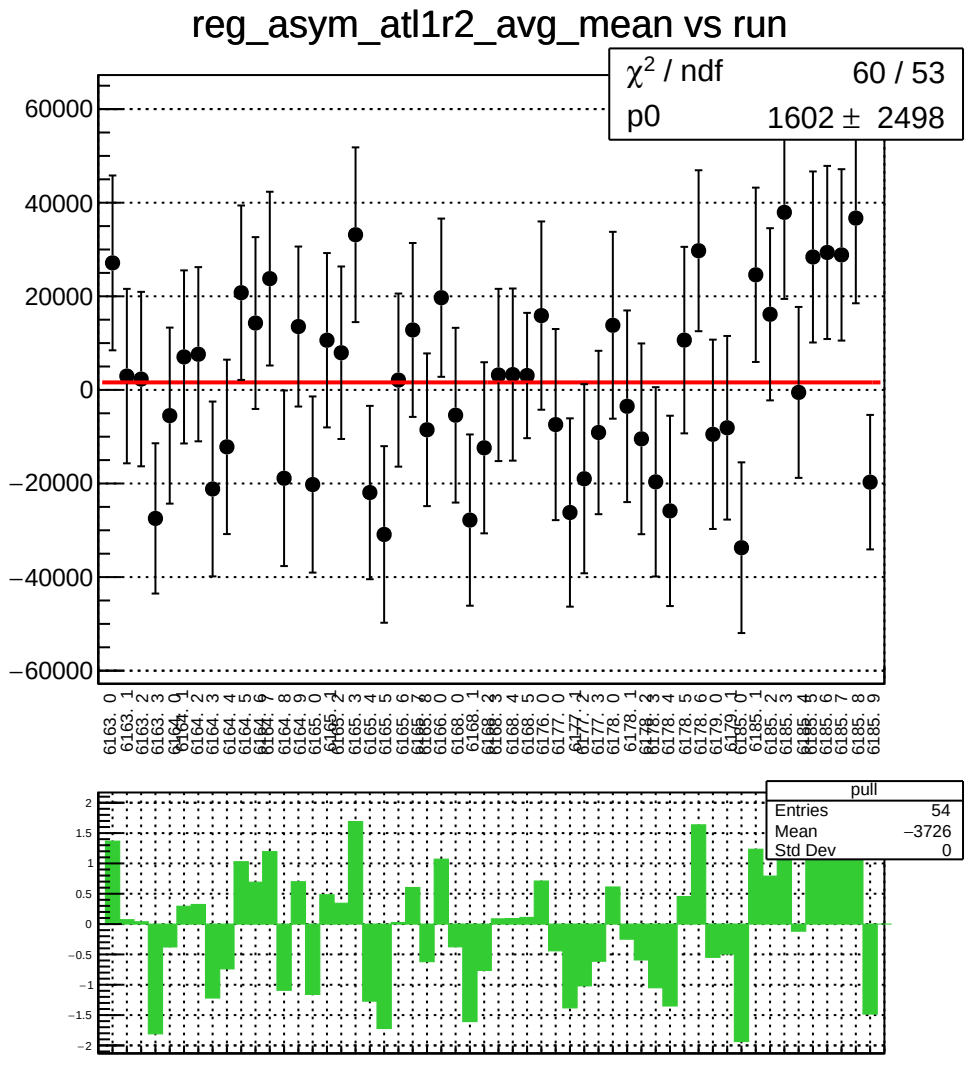


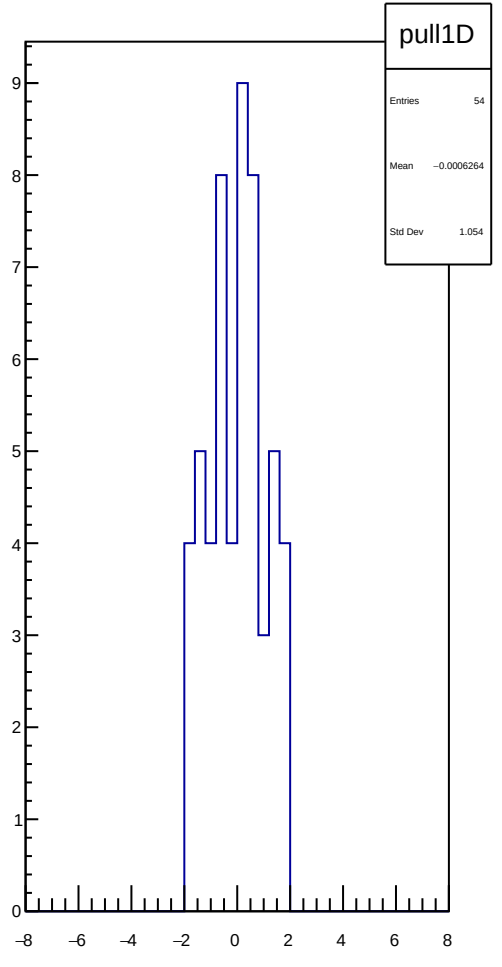


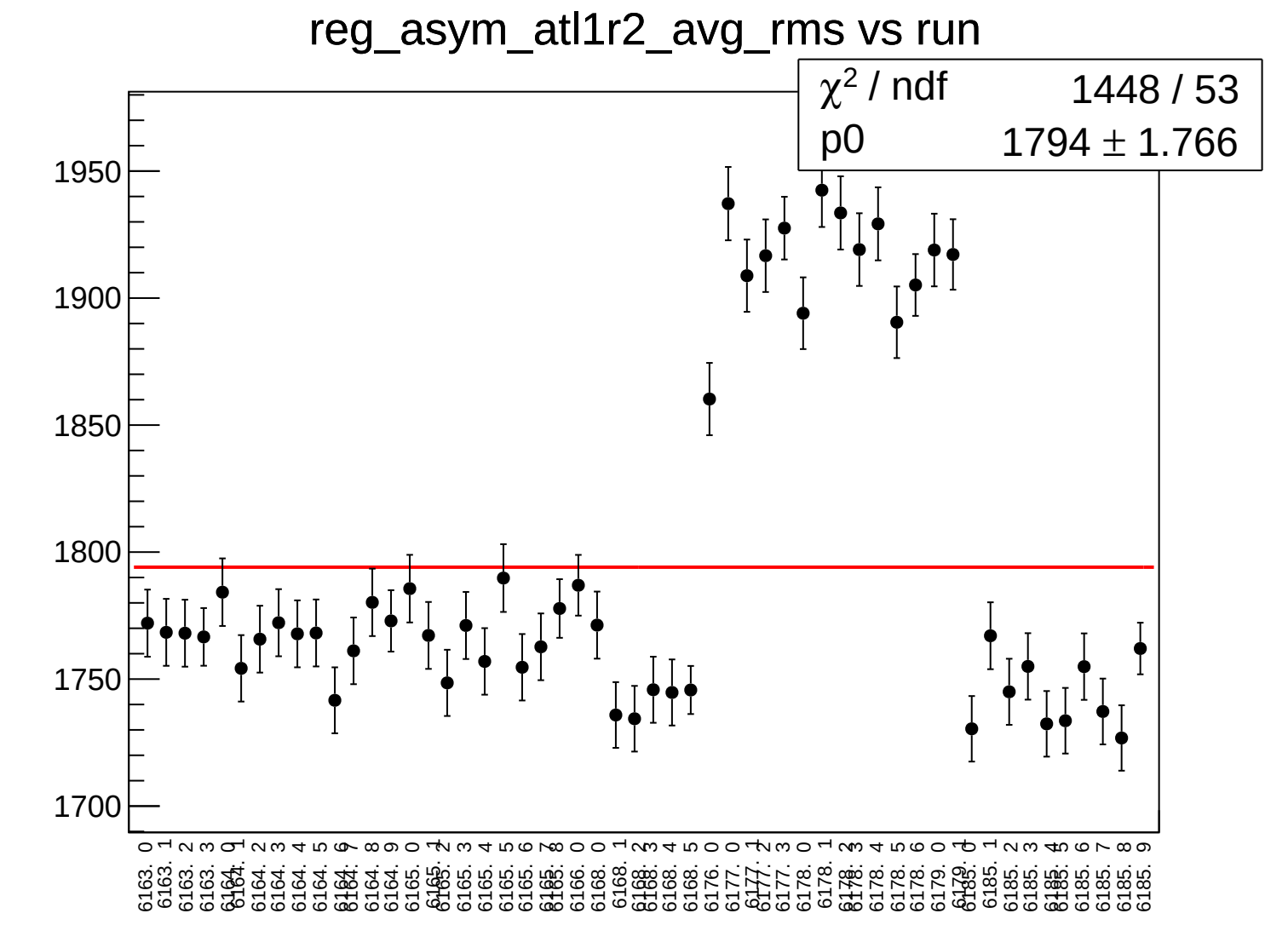

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.212e+05 / 53
p0 93.09 ± 0.09749
200
180
160
140
120
100
80
60
40
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


asym_at2_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 53.85 / 53
p0 1.633e−13 ± 1.576e−13
pull
Entries 54
Mean −6.05
Std Dev 0
pull1D
Entries 54
Mean −0.08025
Std Dev 0.9954


asym_at2_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.358e+05 / 53
p0 7.025e−11 ± 1.115e−13
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


reg_asym_atl1r2_avg_mean vs run
χ² / ndf 60 / 53
p0 1602 ± 2498
pull
Entries 54
Mean −3726
Std Dev 0


pull1D
Entries 54
Mean −0.0006264
Std Dev 1.054


reg_asym_atl1r2_avg_rms vs run
χ² / ndf 1448 / 53
p0 1794 ± 1.766
1950
1900
1850
1800
1750
1700
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
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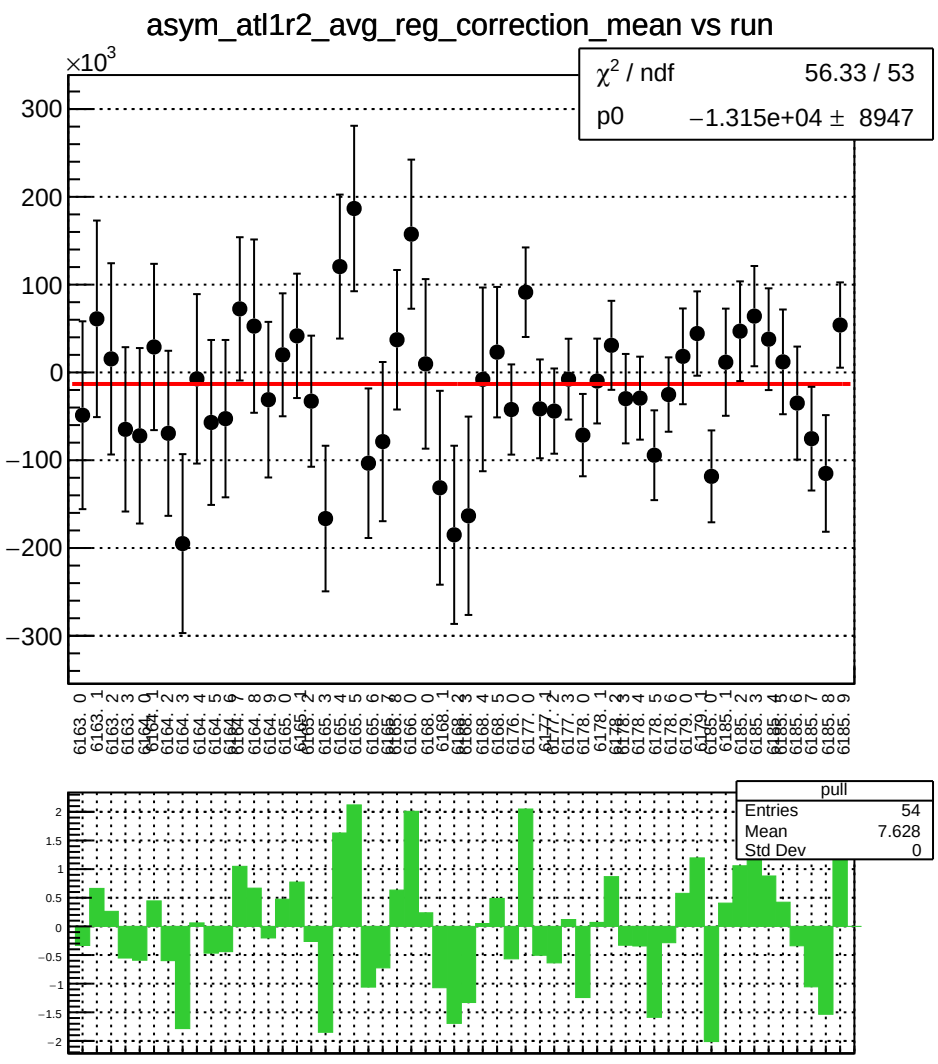
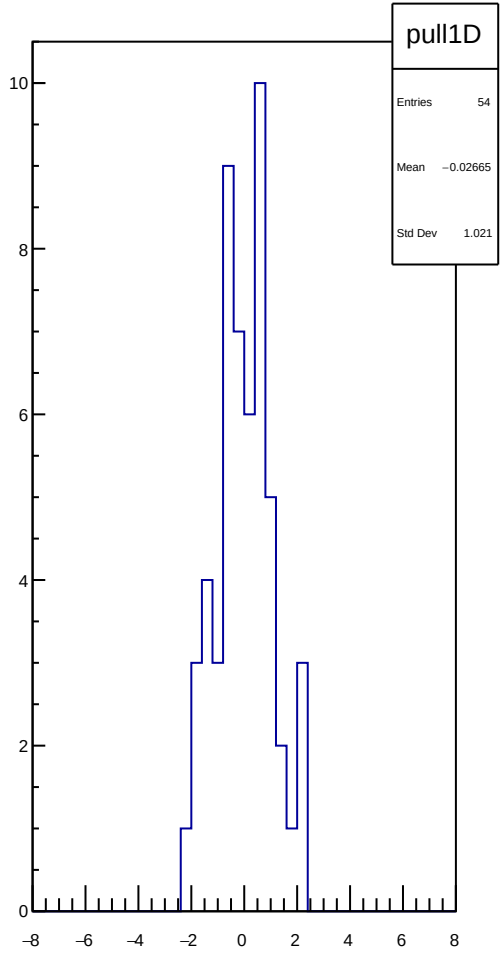
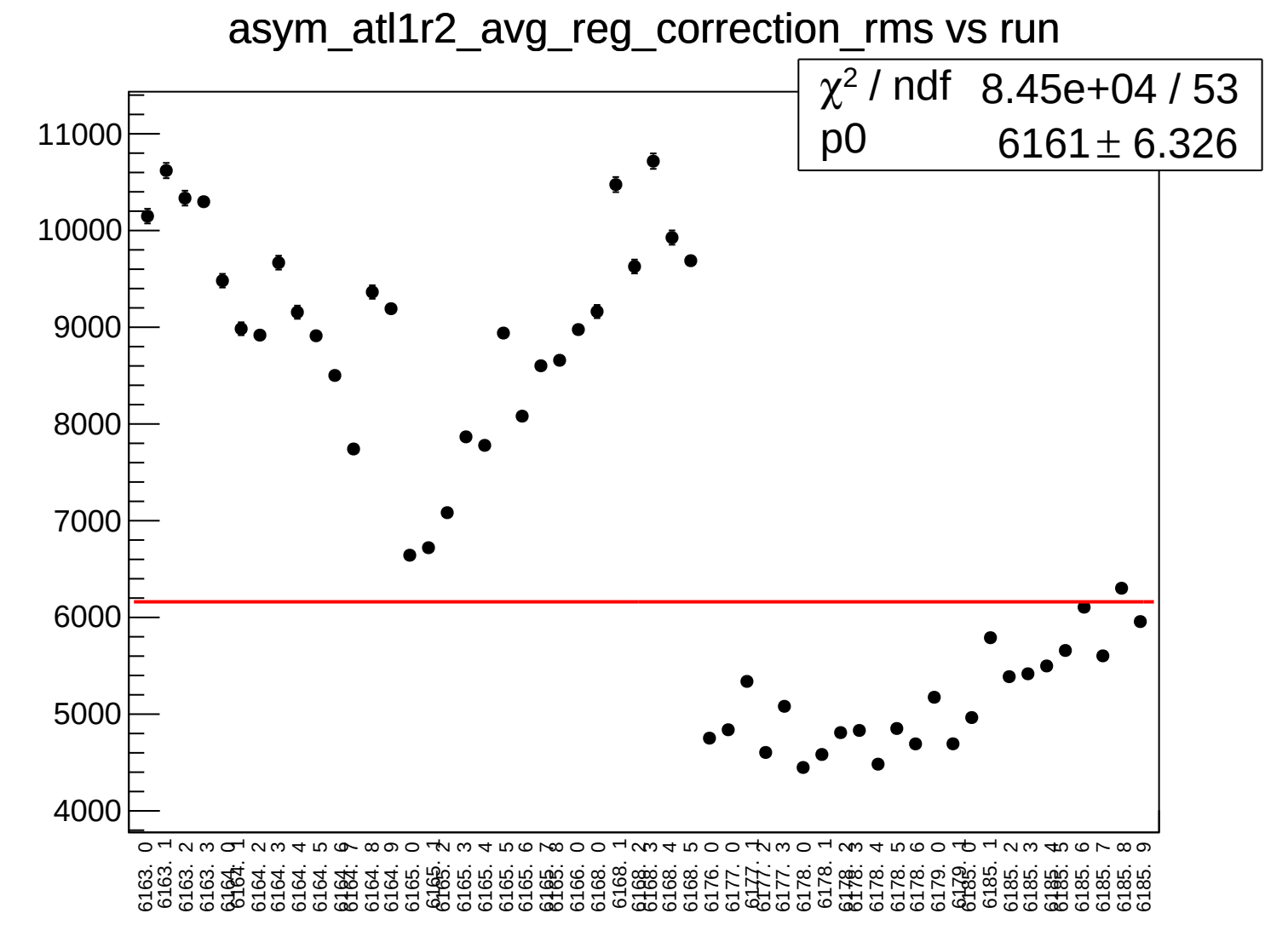
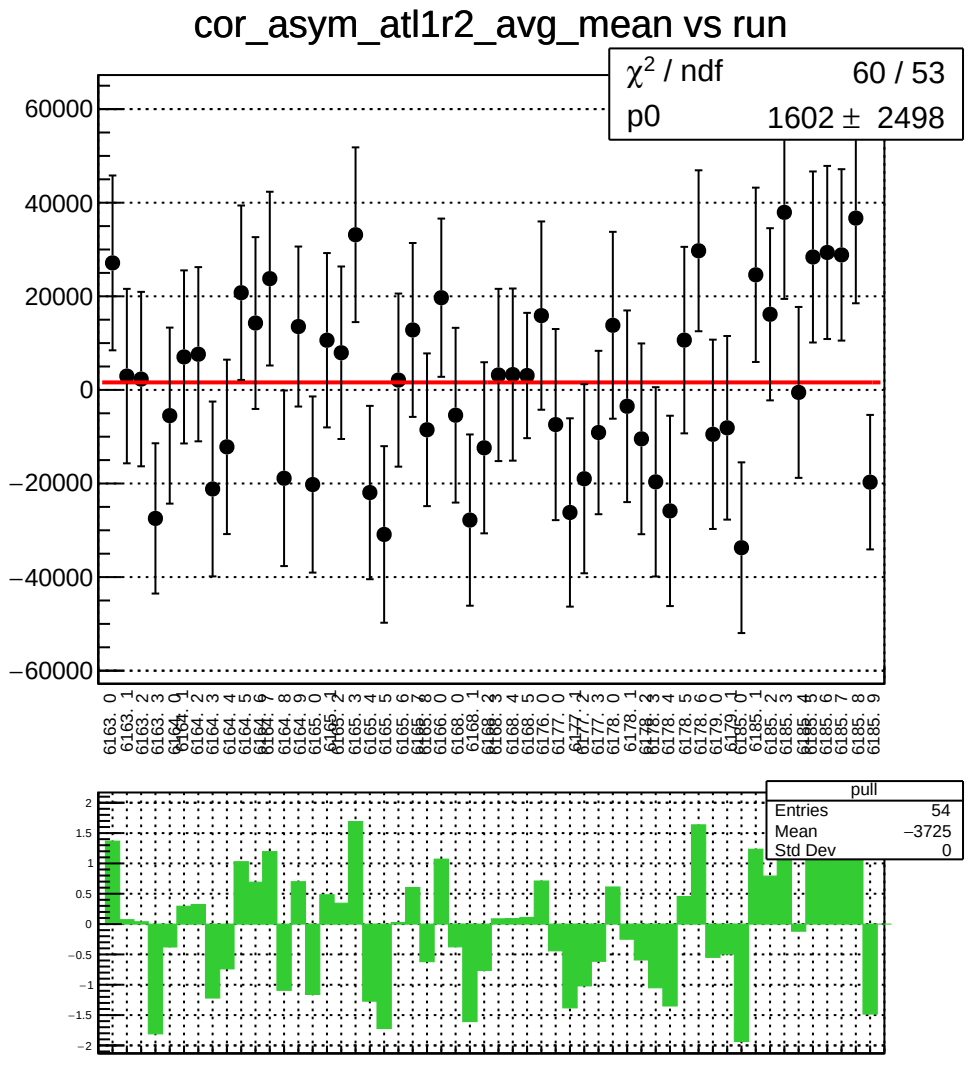
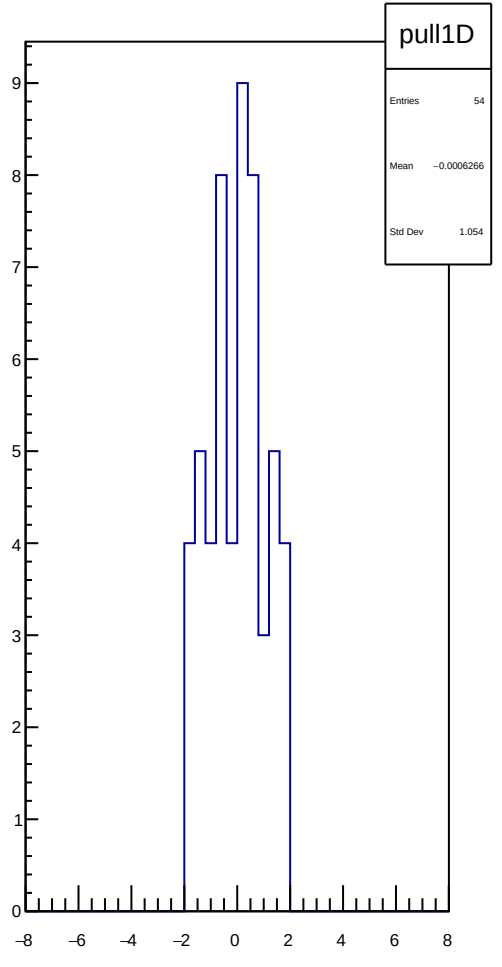
6185. 6
6185. 7
6185. 8
6185. 9

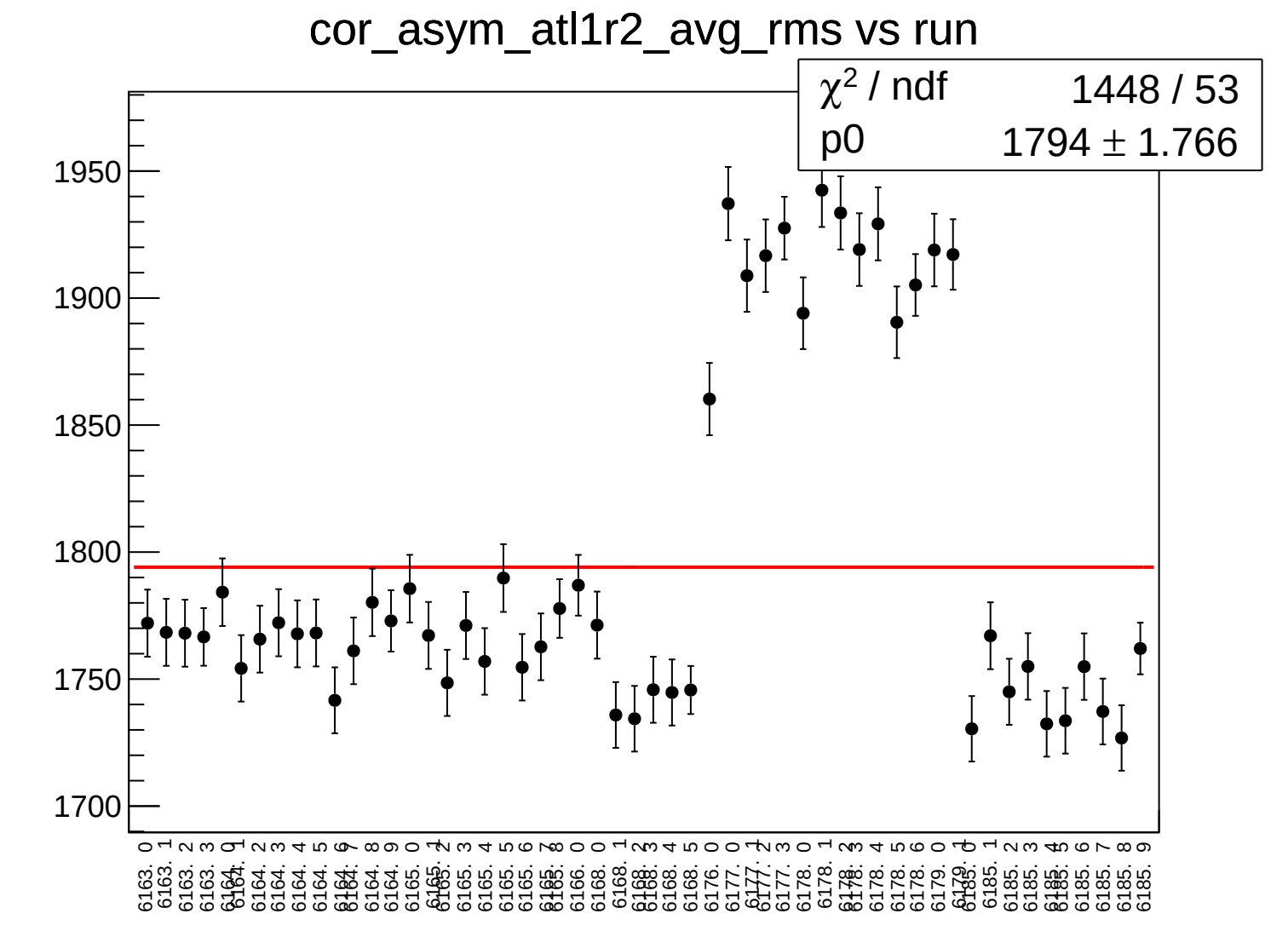

asym_atl1r2_avg_reg_correction_mean vs run
×10^3
χ² / ndf 56.33 / 53
p0 −1.315e+04 ± 8947
300
200
100
0
−100
−200
−300
pull
Entries 54
Mean 7.628
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

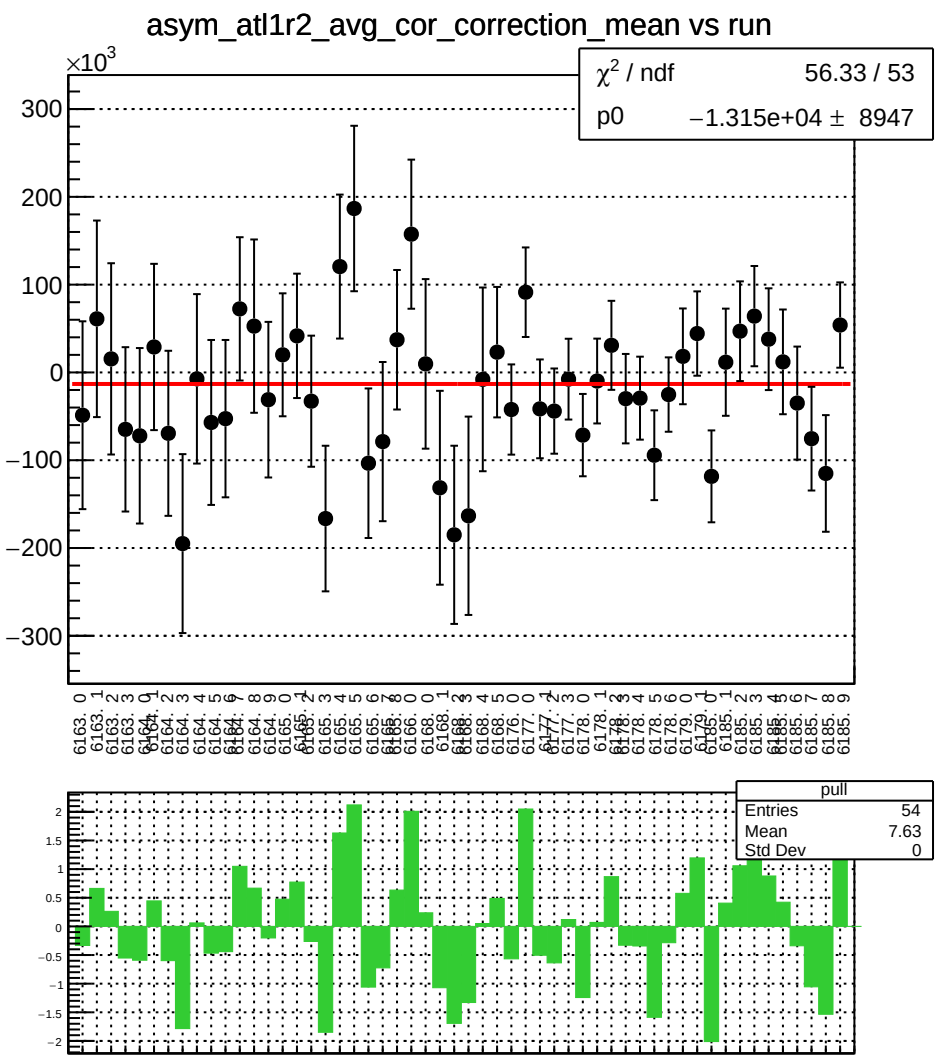

pull1D
Entries 54
Mean −0.02665
Std Dev 1.021
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

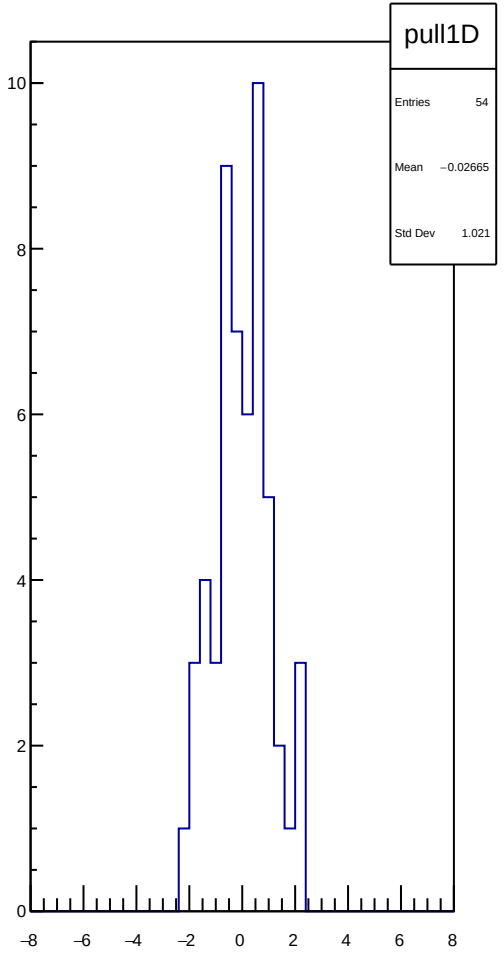

asym_atl1r2_avg_reg_correction_rms vs run
χ² / ndf 8.45e+04 / 53
p0 6161 ± 6.326
11000
10000
9000
8000
7000
6000
5000
4000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

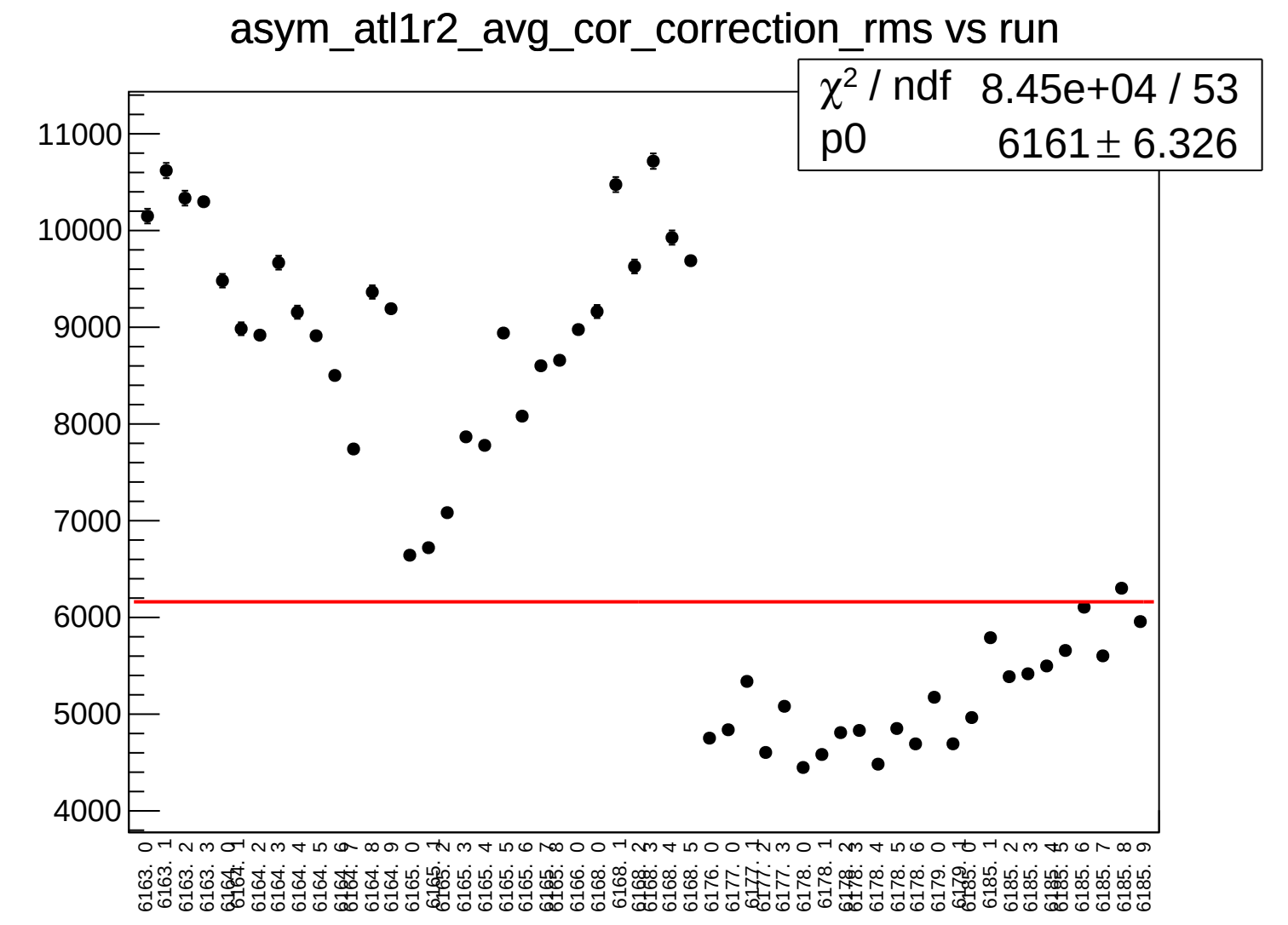

cor_asym_atl1r2_avg_mean vs run
χ² / ndf 60 / 53
p0 1602 ± 2498
pull
Entries 54
Mean −3725
Std Dev 0

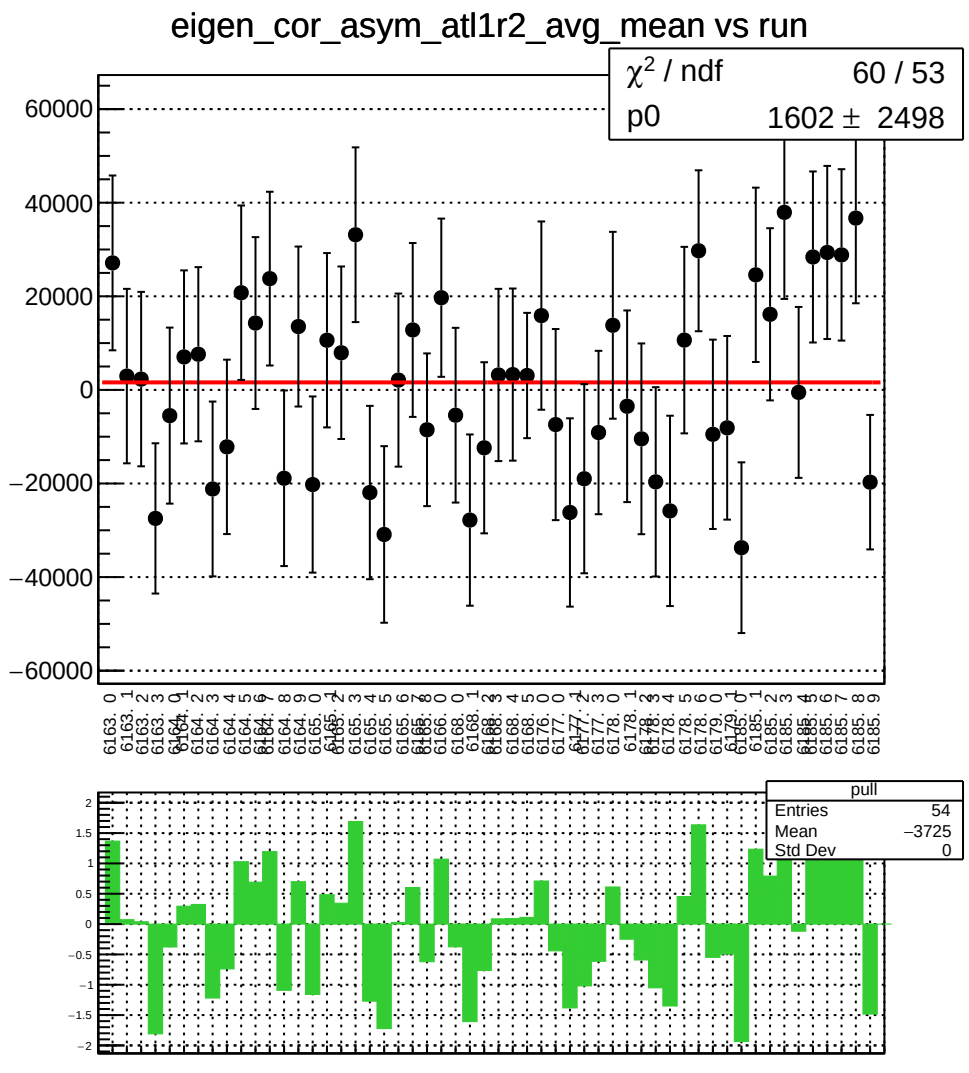

pull1D
Entries 54
Mean −0.0006266
Std Dev 1.054

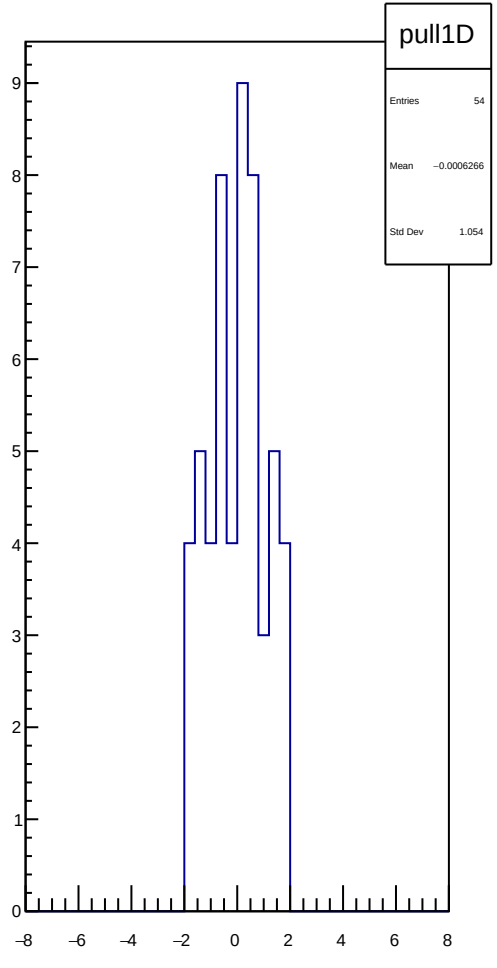

cor_asym_atl1r2_avg_rms vs run
χ² / ndf 1448 / 53
p0 1794 ± 1.766
1950
1900
1850
1800
1750
1700
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

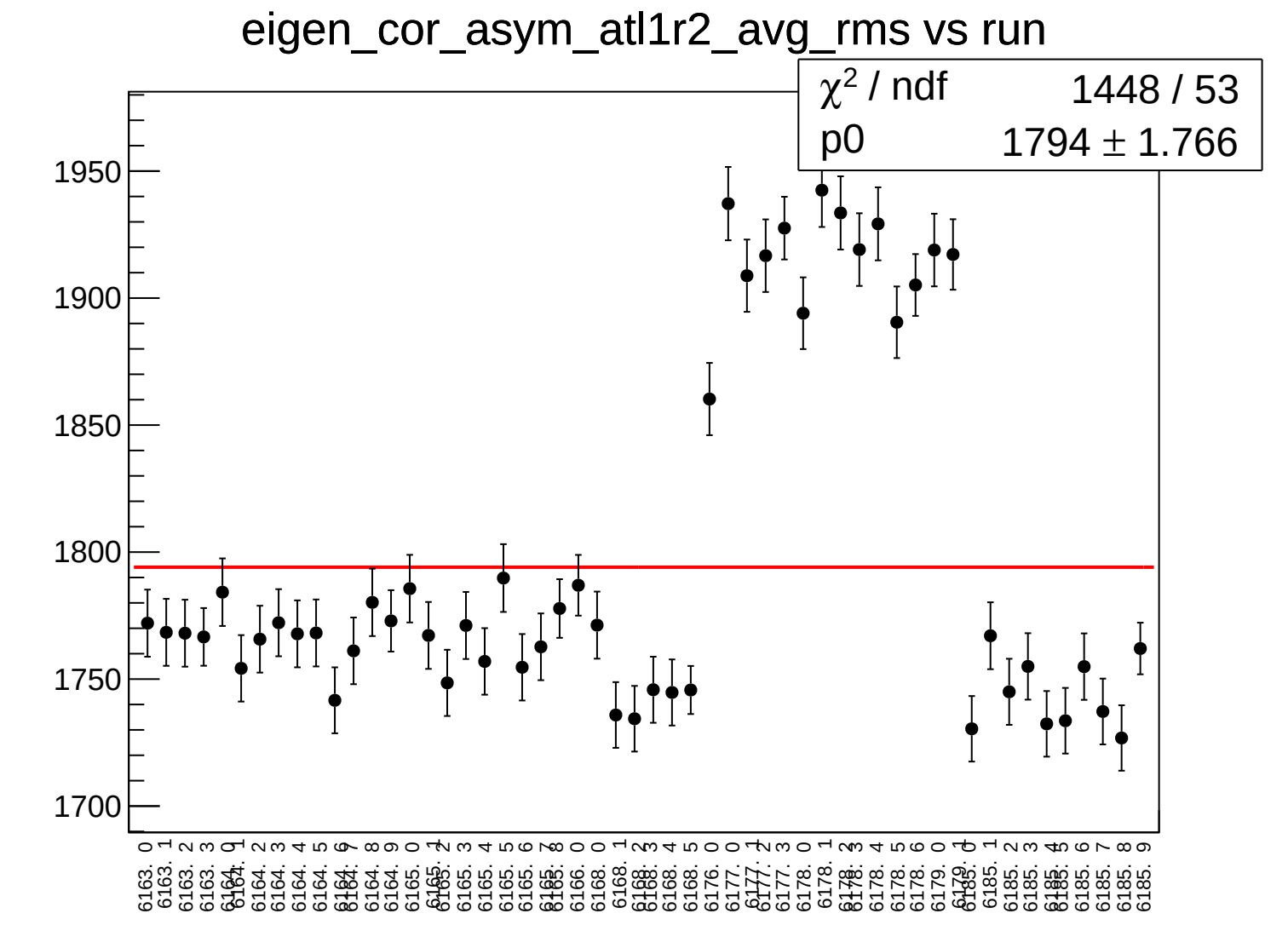

asym_atl1r2_avg_cor_correction_mean vs run
×10^3
χ² / ndf 56.33 / 53
p0 −1.315e+04 ± 8947
pull
Entries 54
Mean 7.63
Std Dev 0

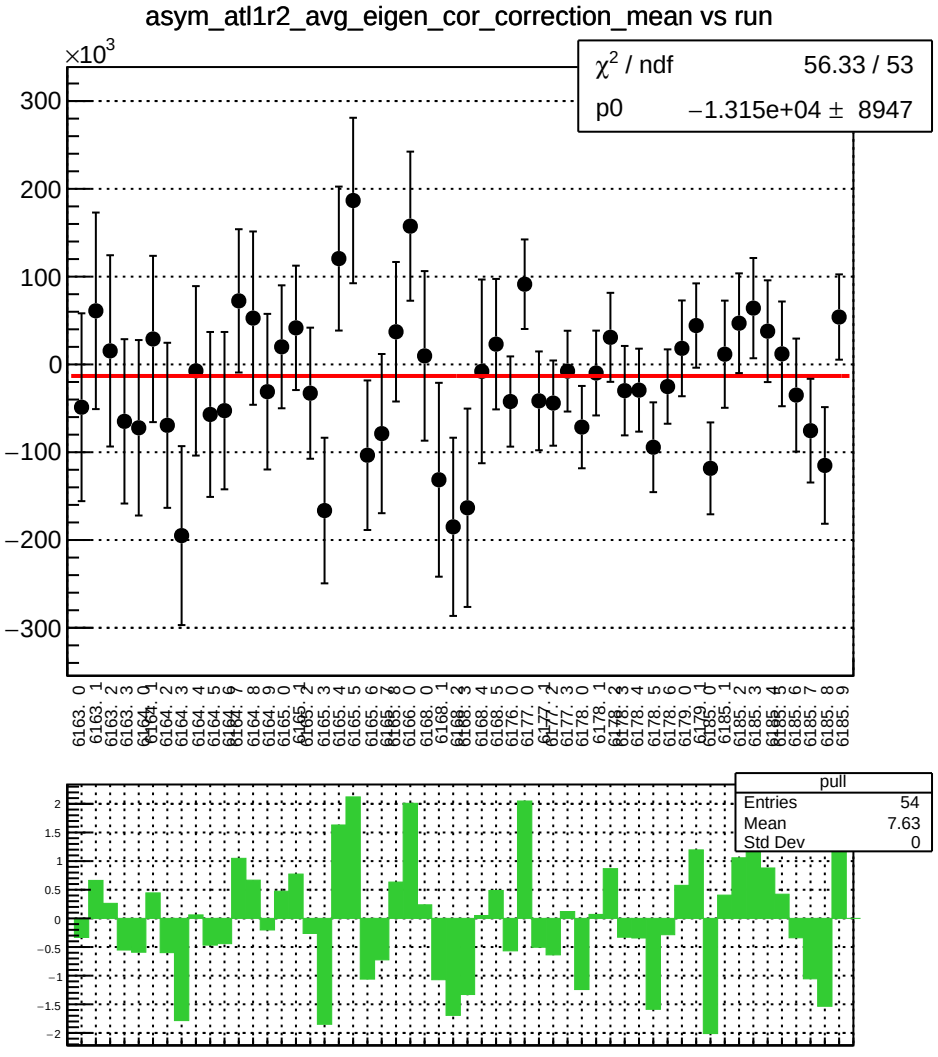

pull1D
Entries 54
Mean −0.02665
Std Dev 1.021

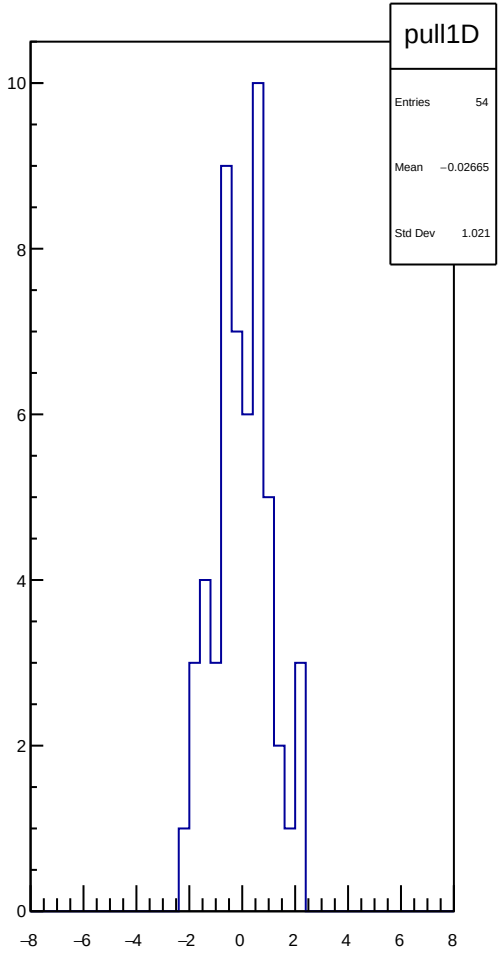

asym_atl1r2_avg_cor_correction_rms vs run
χ² / ndf 8.45e+04 / 53
p0 6161 ± 6.326
11000
10000
9000
8000
7000
6000
5000
4000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

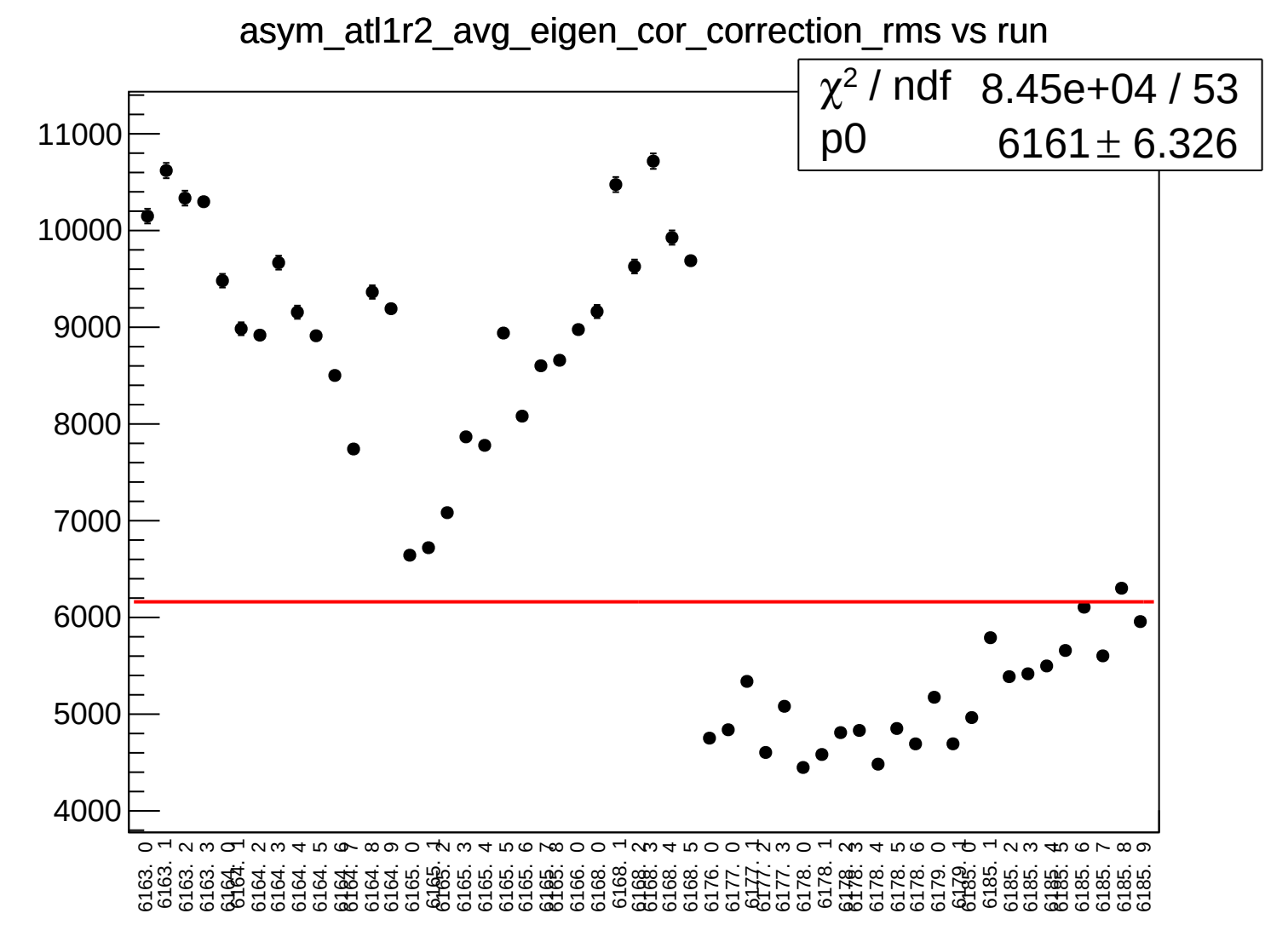

eigen_cor_asym_atl1r2_avg_mean vs run
χ² / ndf 60 / 53
p0 1602 ± 2498
pull
Entries 54
Mean −3725
Std Dev 0

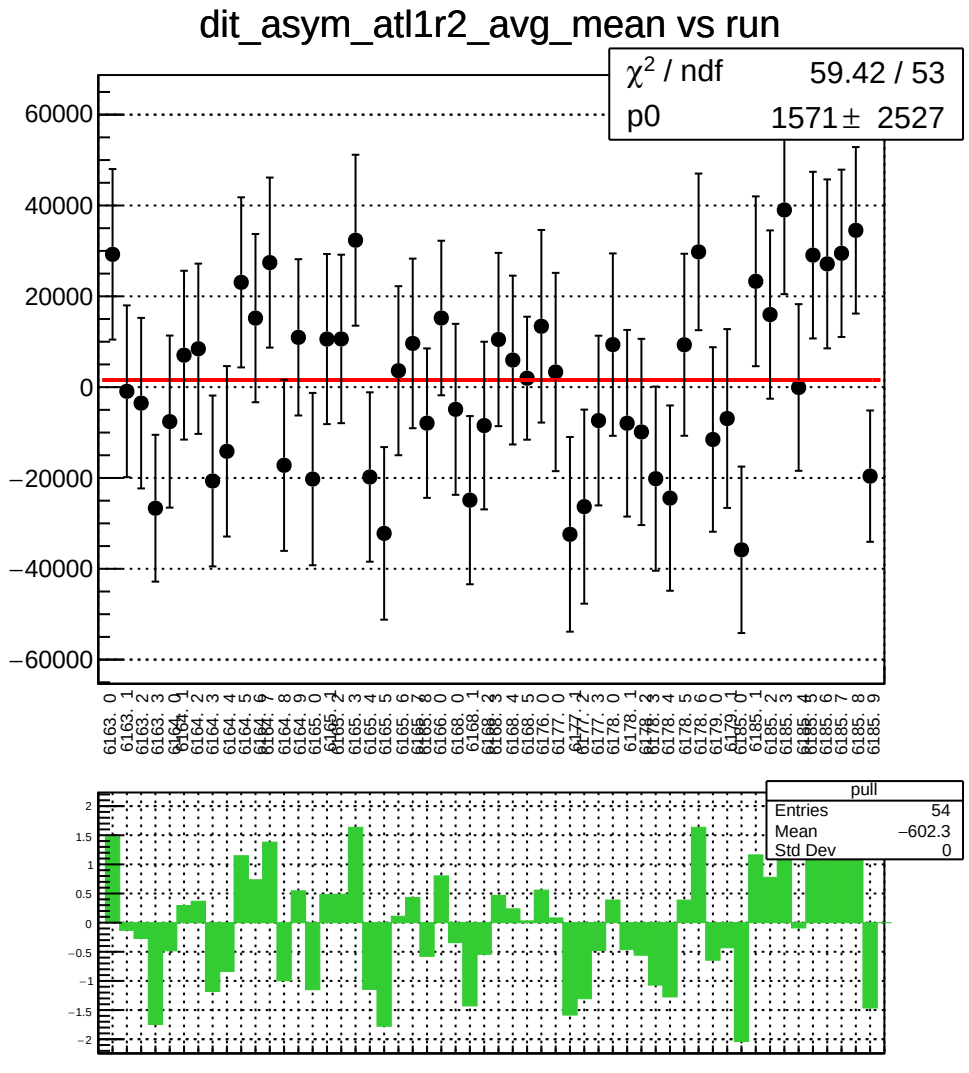

pull1D
Entries 54
Mean −0.0006266
Std Dev 1.054

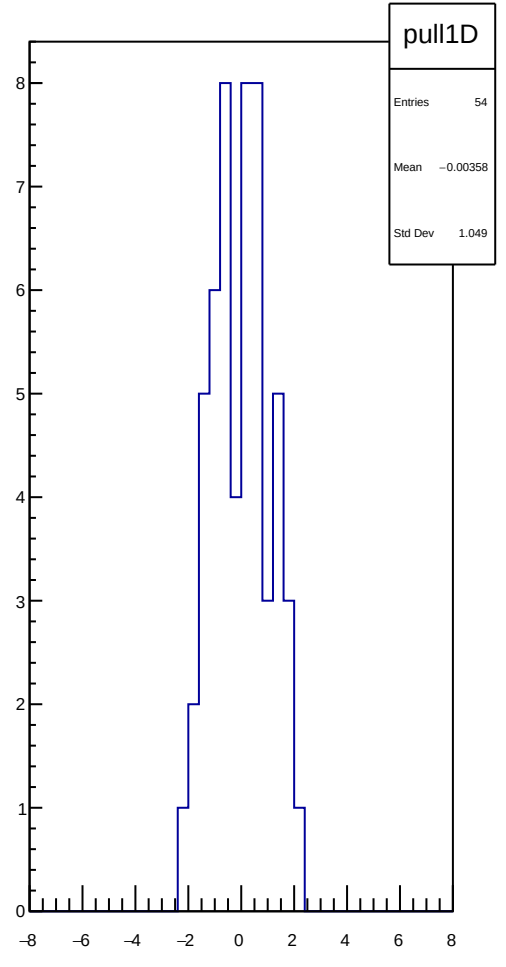

eigen_cor_asym_atl1r2_avg_rms vs run
χ² / ndf 1448 / 53
p0 1794 ± 1.766
1950
1900
1850
1800
1750
1700
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

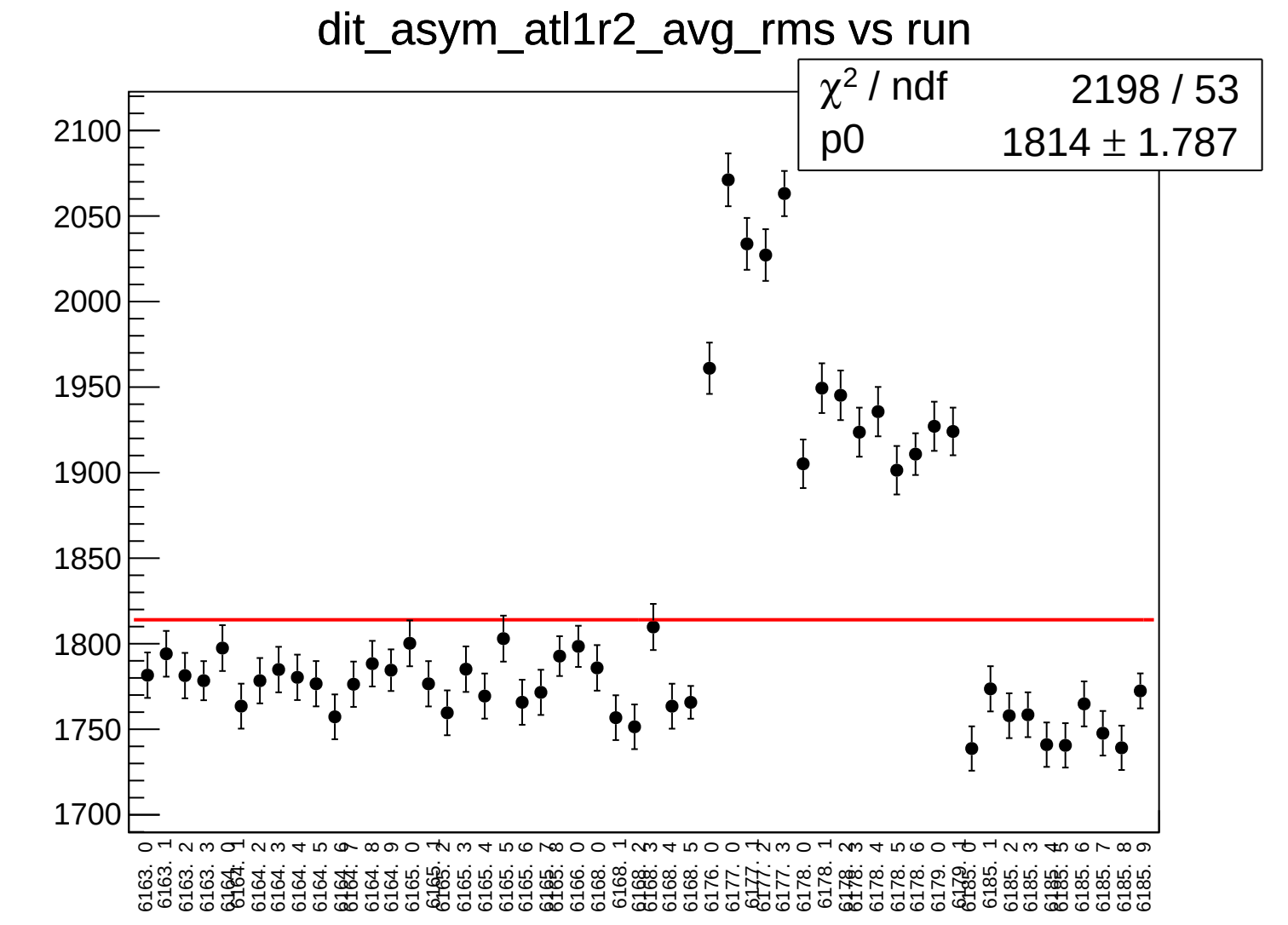

asym_atl1r2_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 56.33 / 53
p0 −1.315e+04 ± 8947
pull
Entries 54
Mean 7.63
Std Dev 0

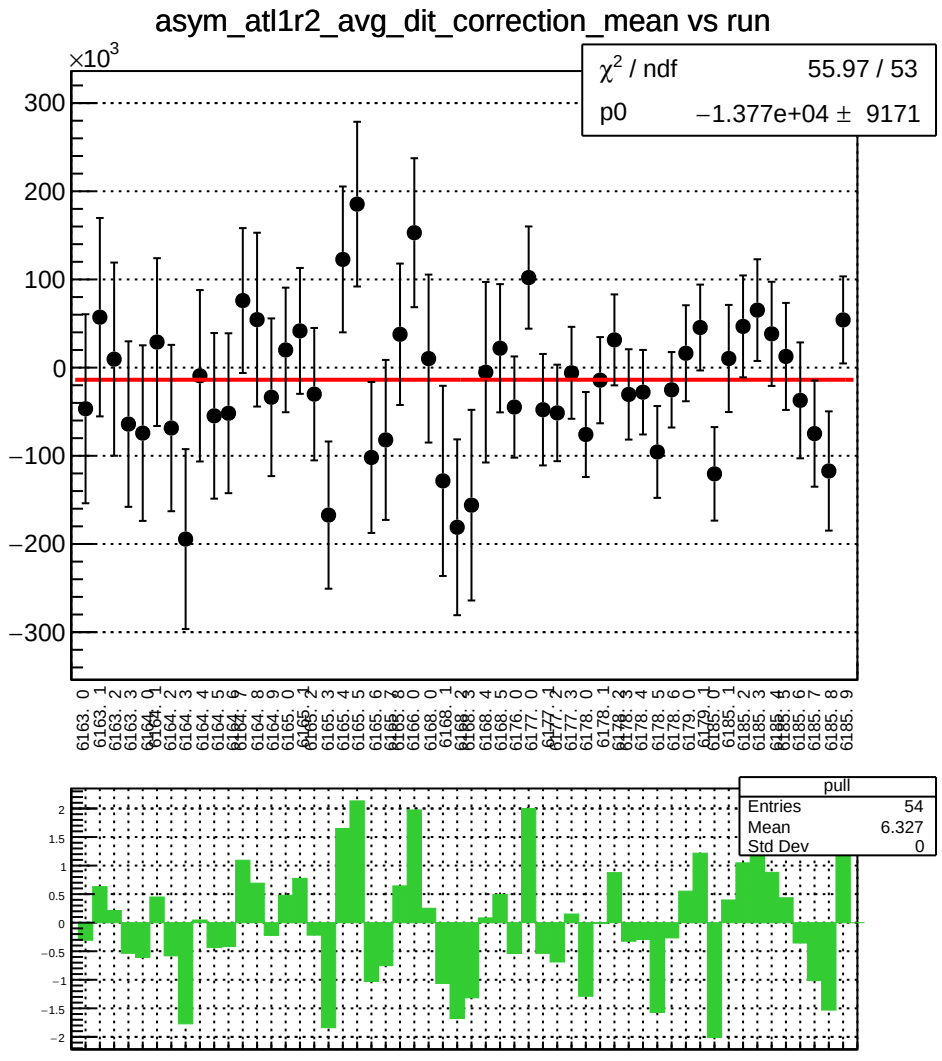

pull1D
Entries 54
Mean −0.02665
Std Dev 1.021

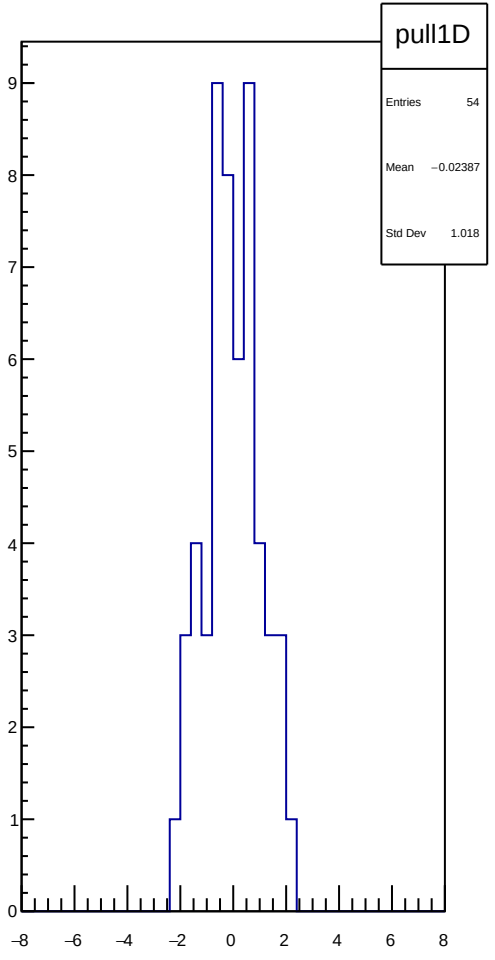

asym_atl1r2_avg_eigen_cor_correction_rms vs run
χ² / ndf 8.45e+04 / 53
p0 6161 ± 6.326
11000
10000
9000
8000
7000
6000
5000
4000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

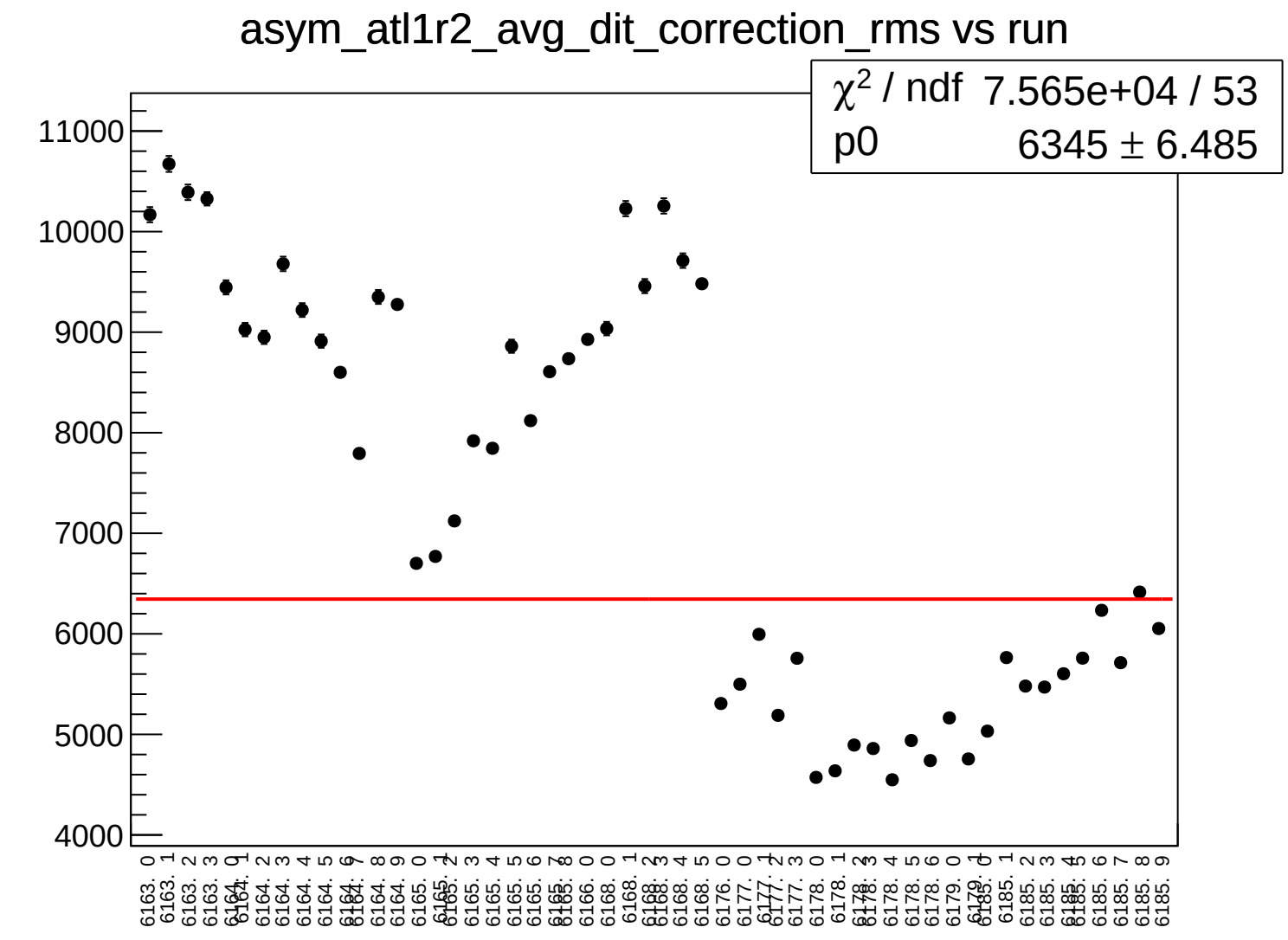

dit_asym_atl1r2_avg_mean vs run
χ² / ndf 59.42 / 53
p0 1571 ± 2527
pull
Entries 54
Mean −602.3
Std Dev 0

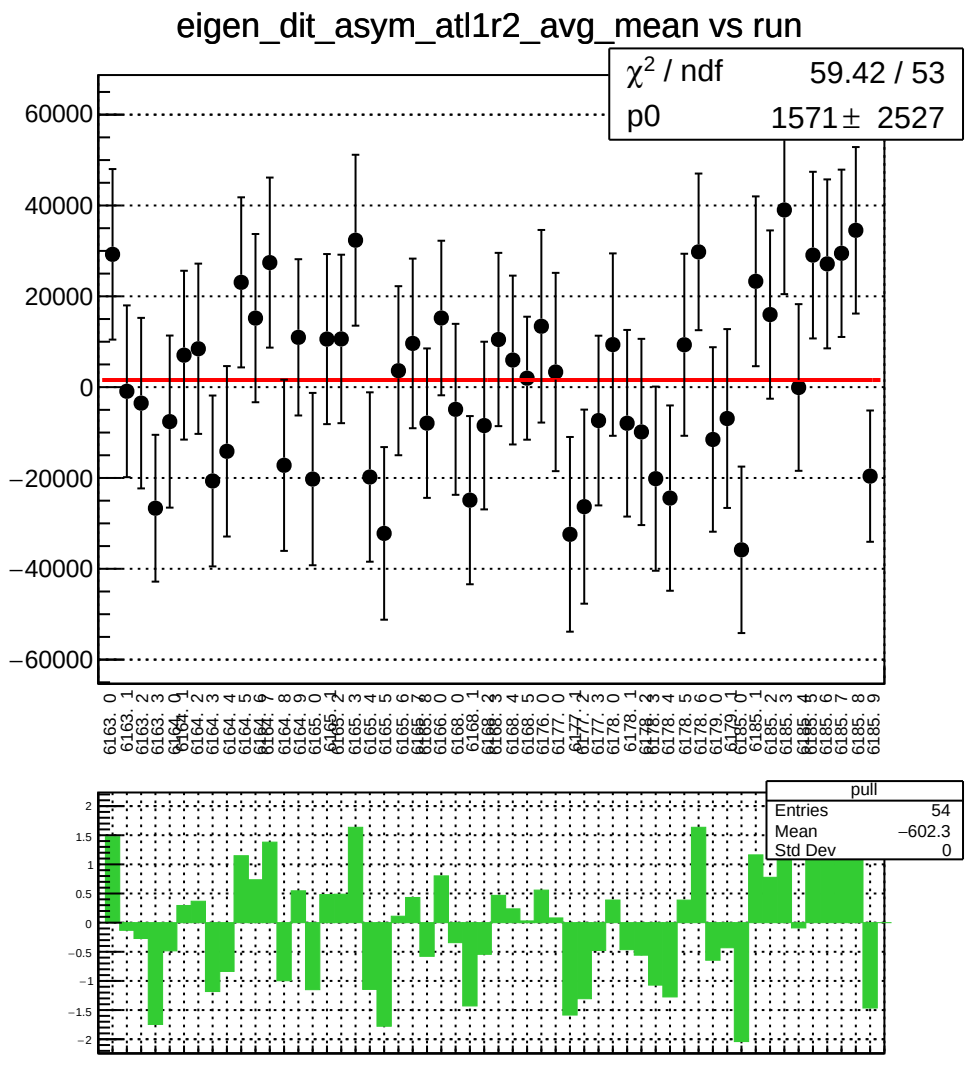

pull1D
Entries 54
Mean −0.00358
Std Dev 1.049

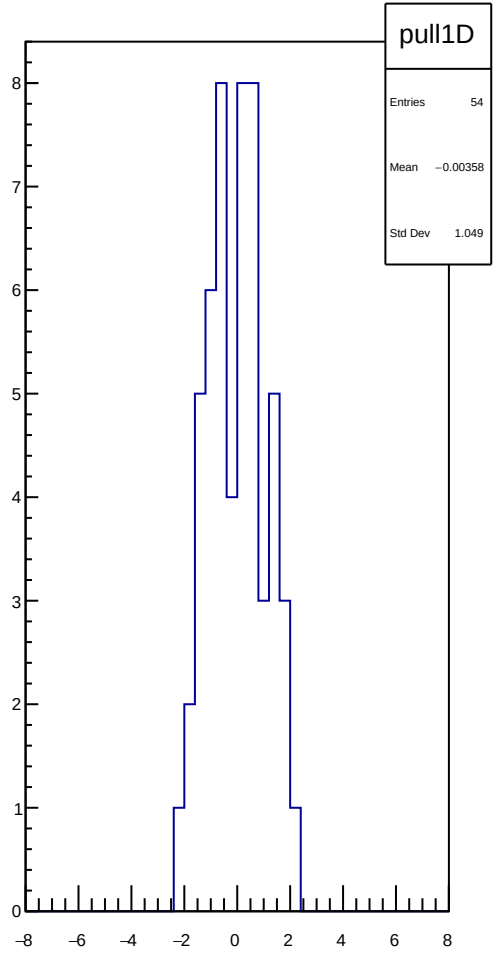

dit_asym_atl1r2_avg_rms vs run
χ² / ndf 2198 / 53
p0 1814 ± 1.787
2100
2050
2000
1950
1900
1850
1800
1750
1700
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

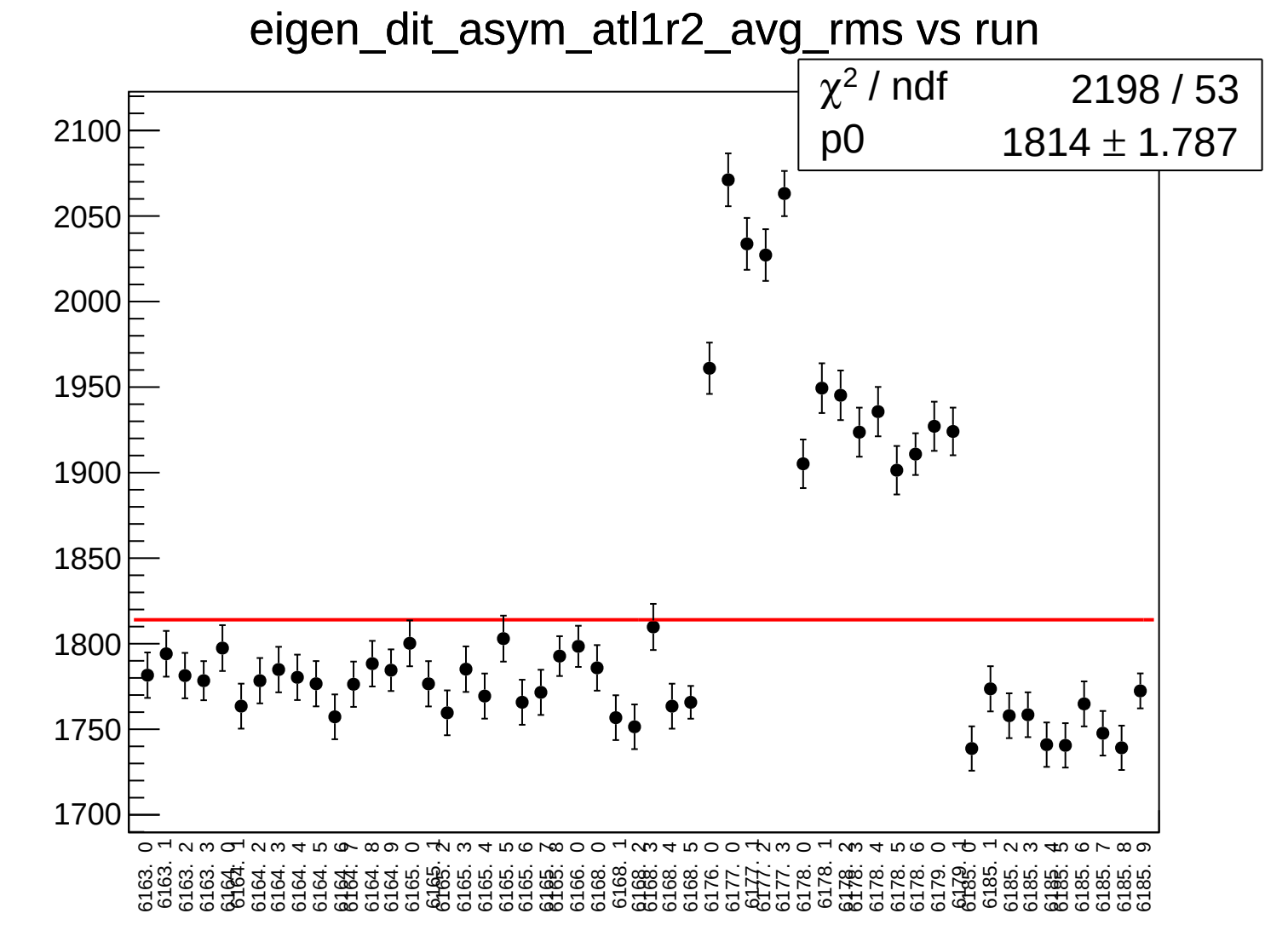

asym_atl1r2_avg_dit_correction_mean vs run
χ² / ndf 55.97 / 53
p0 −1.377e+04 ± 9171
pull
Entries 54
Mean 6.327
Std Dev 0

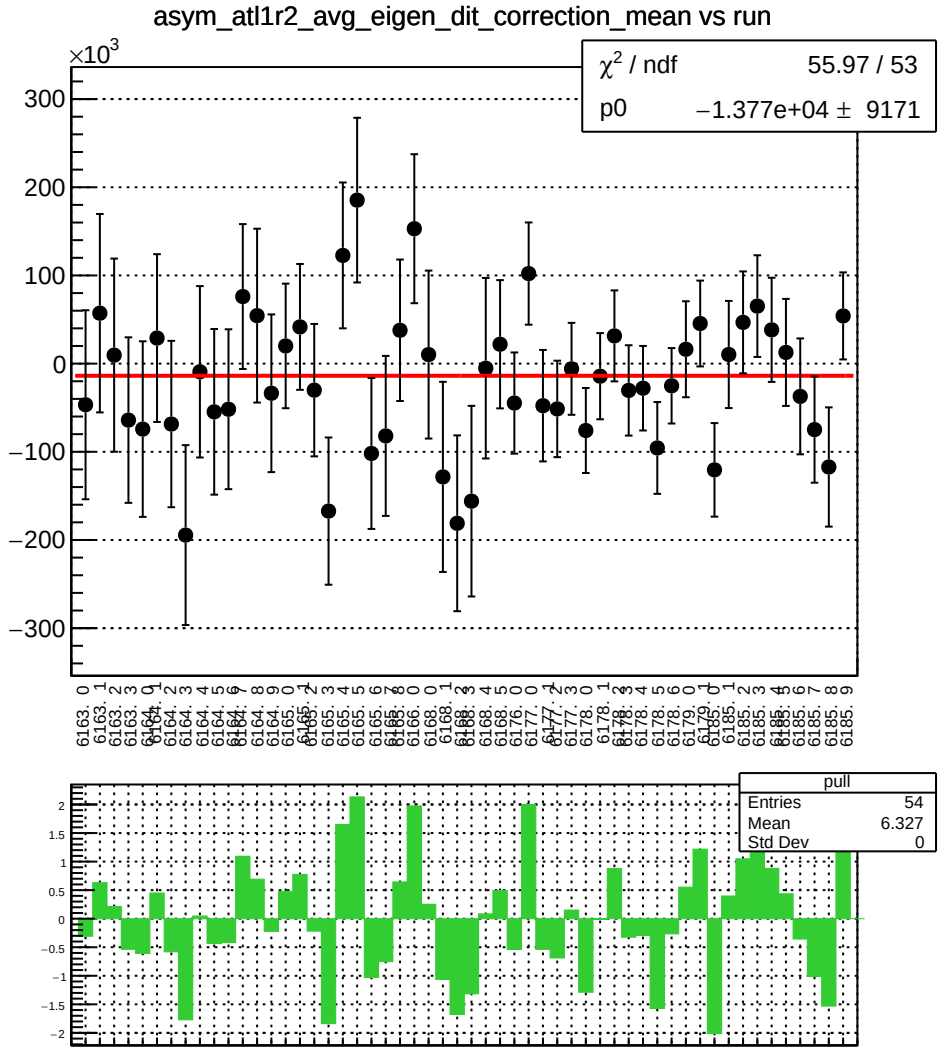

pull1D
Entries 54
Mean −0.02387
Std Dev 1.018

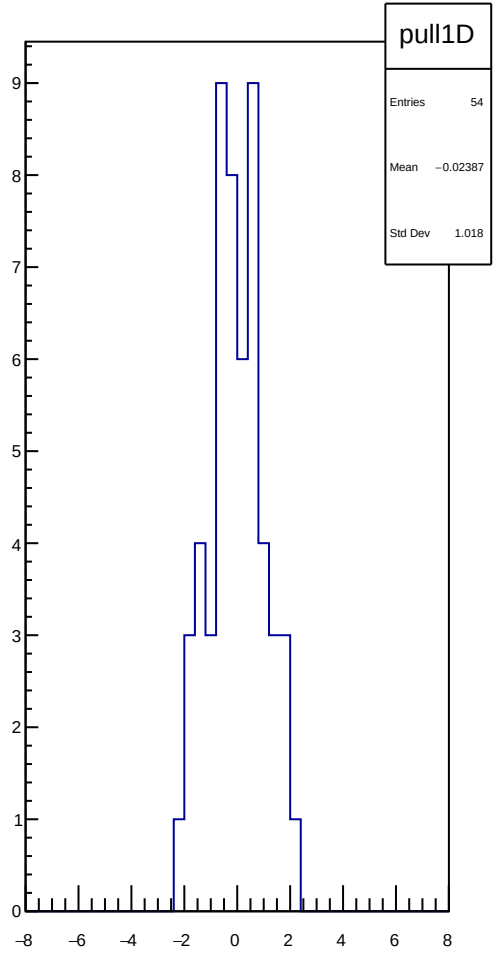

asym_atl1r2_avg_dit_correction_rms vs run
χ² / ndf 7.565e+04 / 53
p0 6345 ± 6.485
11000
10000
9000
8000
7000
6000
5000
4000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

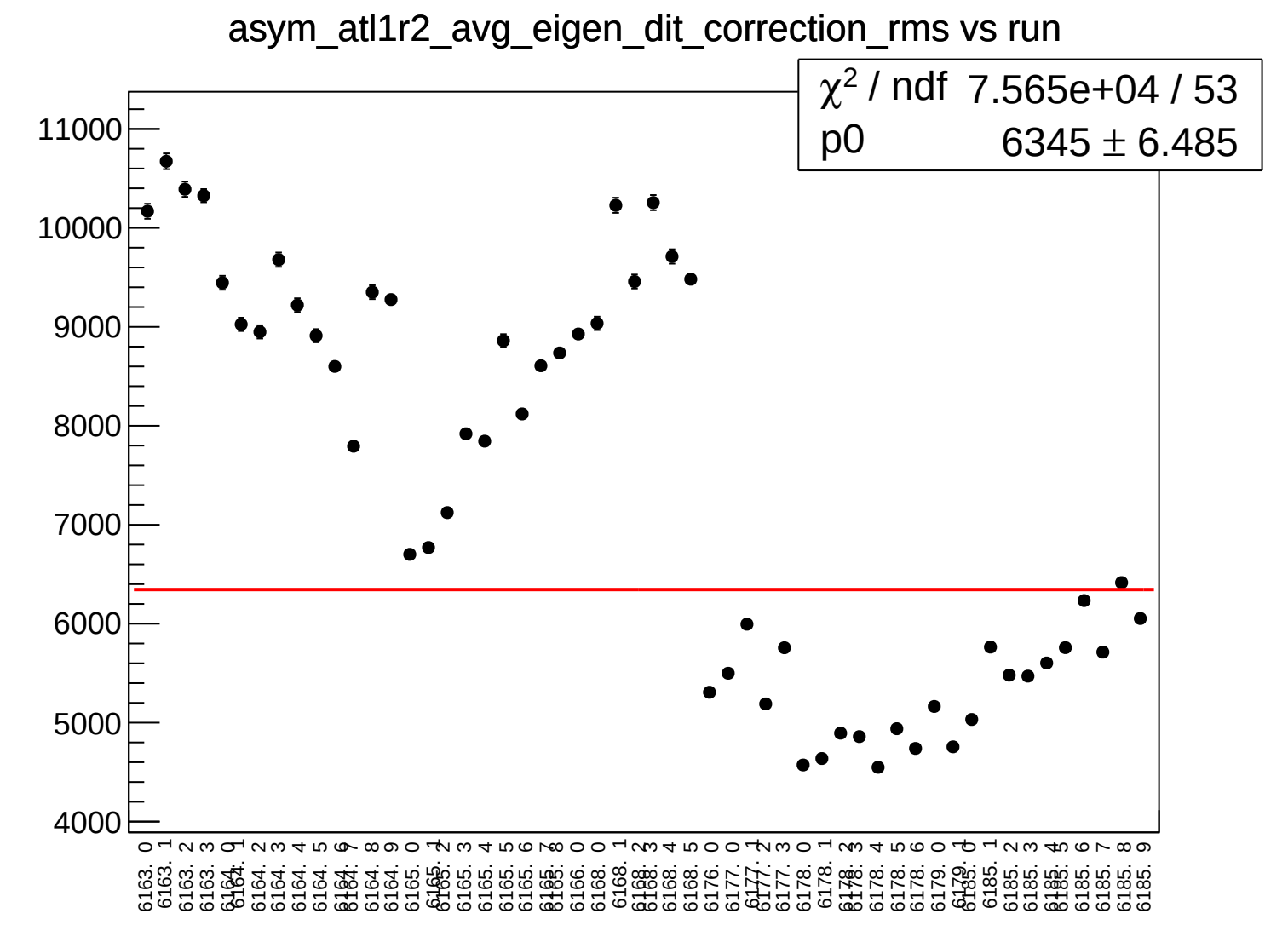

eigen_dit_asym_atl1r2_avg_mean vs run
χ² / ndf 59.42 / 53
p0 1571 ± 2527
pull
Entries 54
Mean −602.3
Std Dev 0

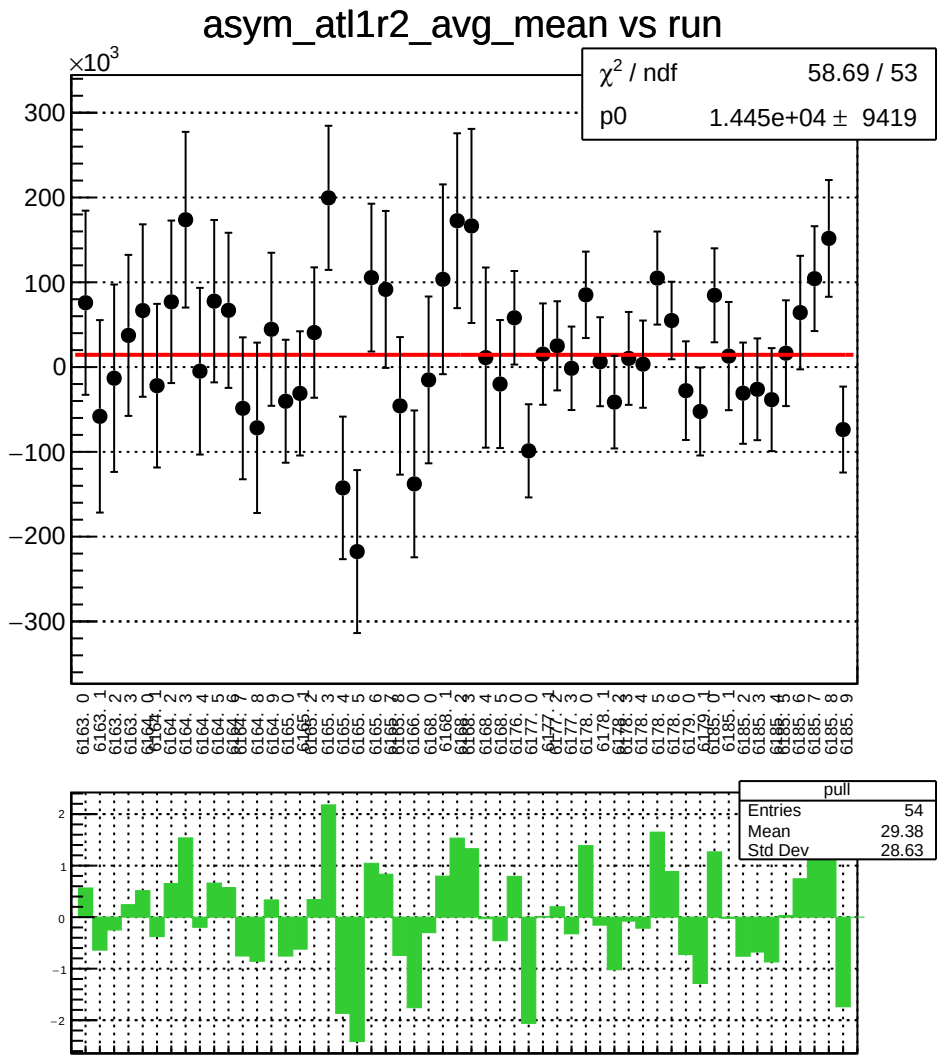

pull1D
Entries 54
Mean −0.00358
Std Dev 1.049

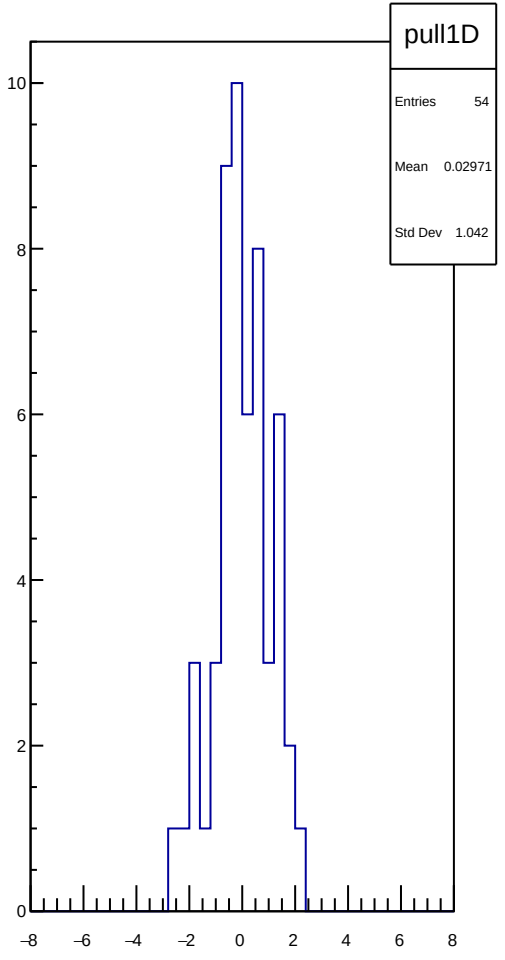

eigen_dit_asym_atl1r2_avg_rms vs run
χ^2 / ndf 2198 / 53
p0 1814 ± 1.787
2100
2050
2000
1950
1900
1850
1800
1750
1700
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

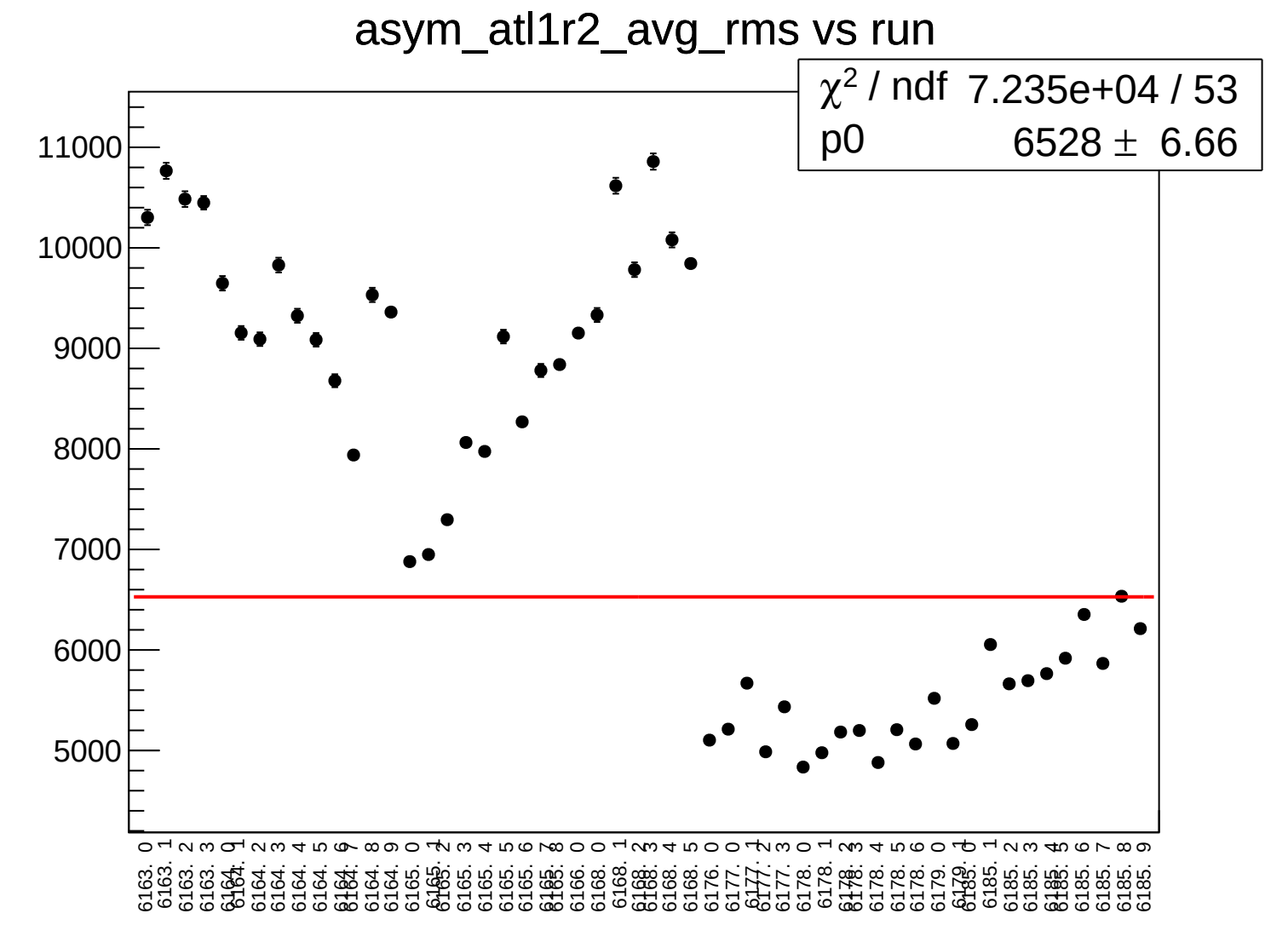

asym_atl1r2_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 55.97 / 53
p0 −1.377e+04 ± 9171
pull
Entries 54
Mean 6.327
Std Dev 0

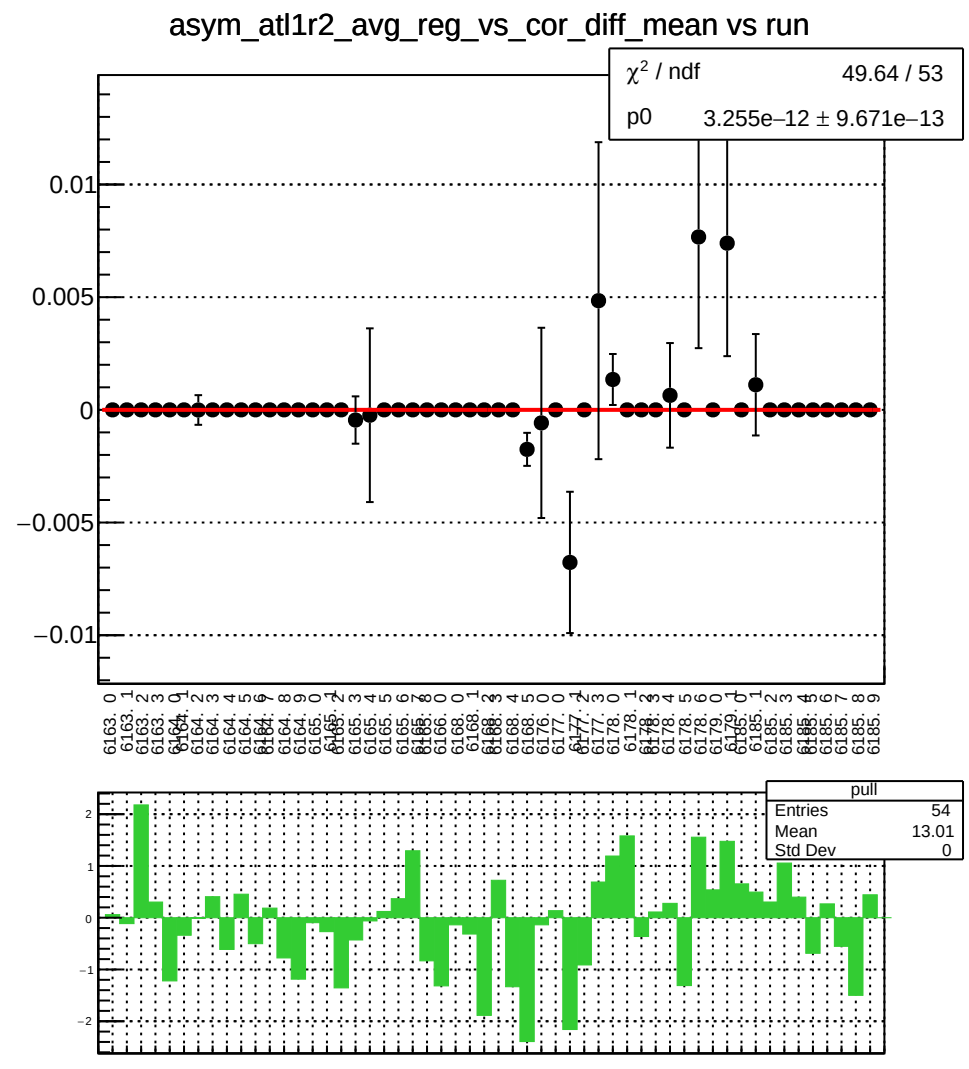

pull1D
Entries 54
Mean −0.02387
Std Dev 1.018

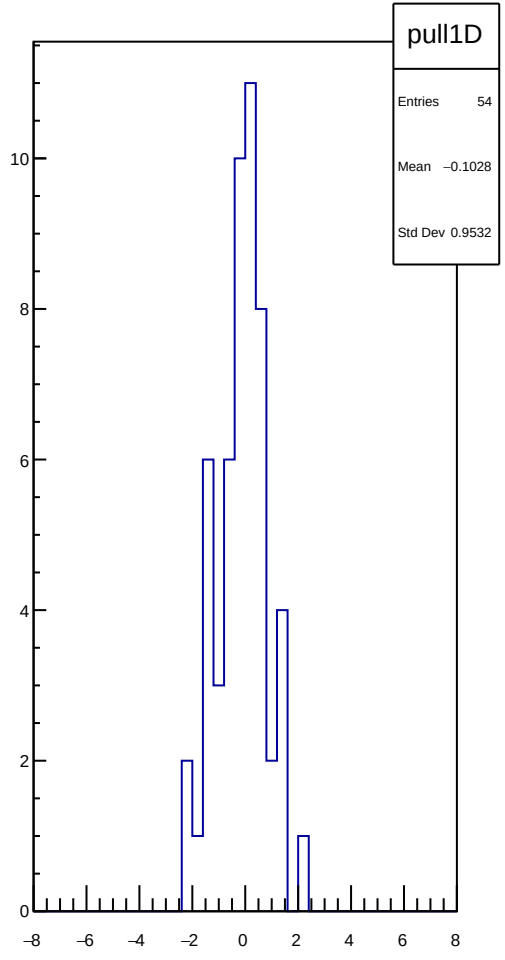

asym_atl1r2_avg_eigen_dit_correction_rms vs run
χ² / ndf 7.565e+04 / 53
p0 6345 ± 6.485
11000
10000
9000
8000
7000
6000
5000
4000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

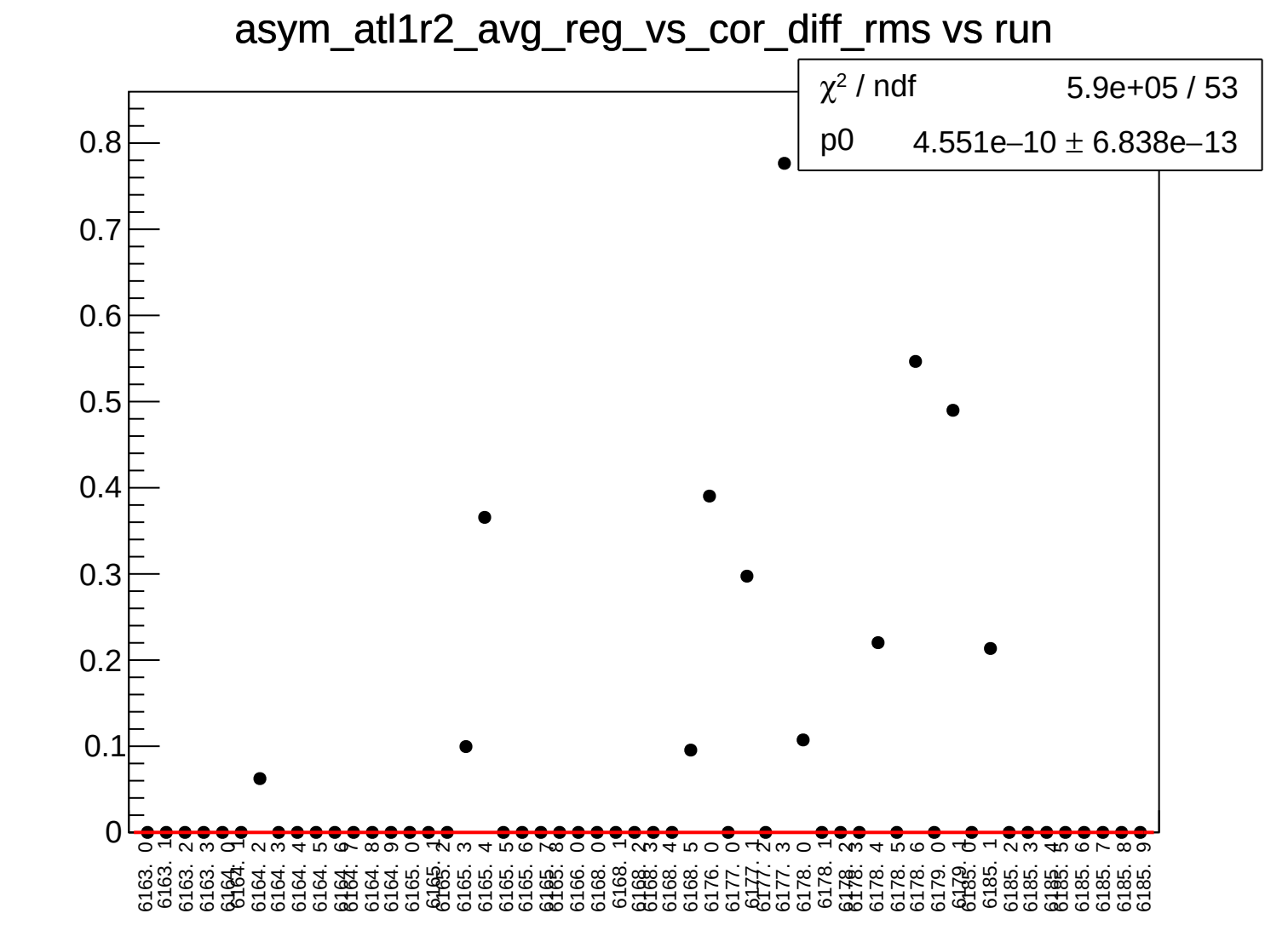

asym_atl1r2_avg_mean vs run
×10^3
χ² / ndf 58.69 / 53
p0 1.445e+04 ± 9419
pull
Entries 54
Mean 29.38
Std Dev 28.63

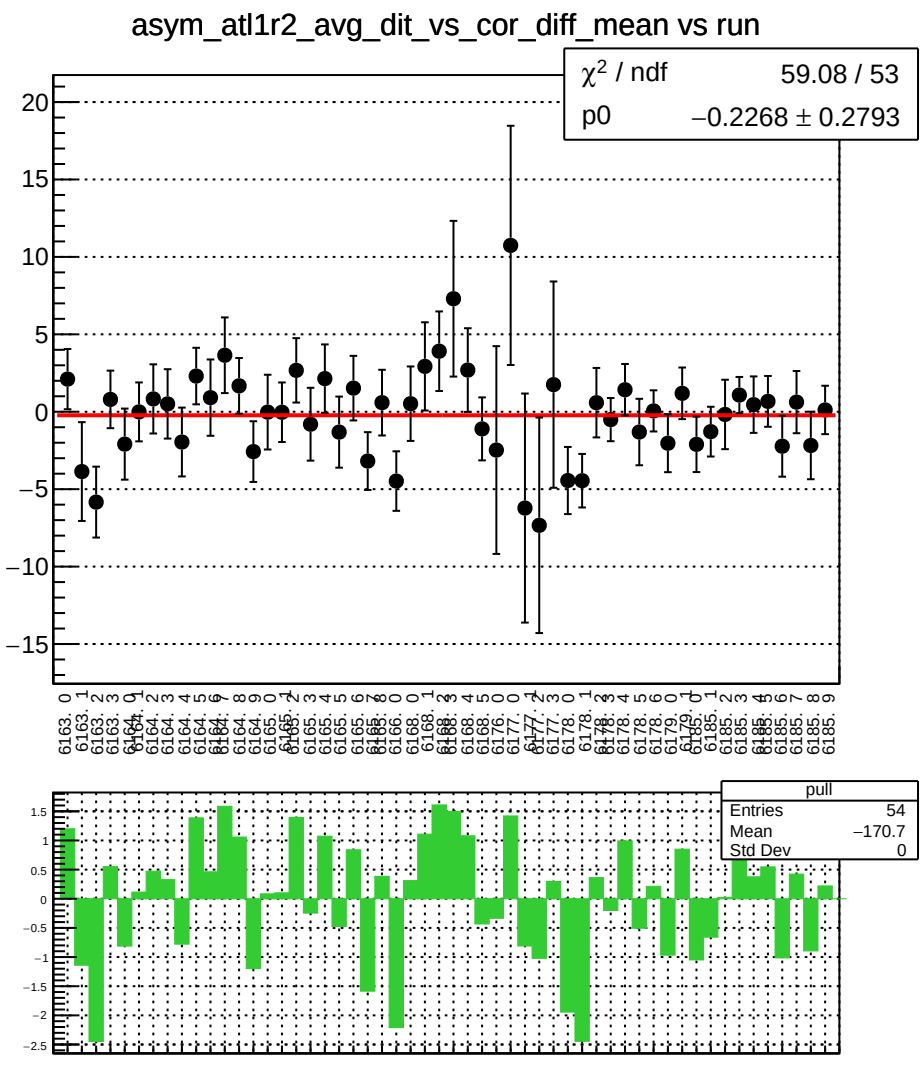

pull1D
Entries 54
Mean 0.02971
Std Dev 1.042

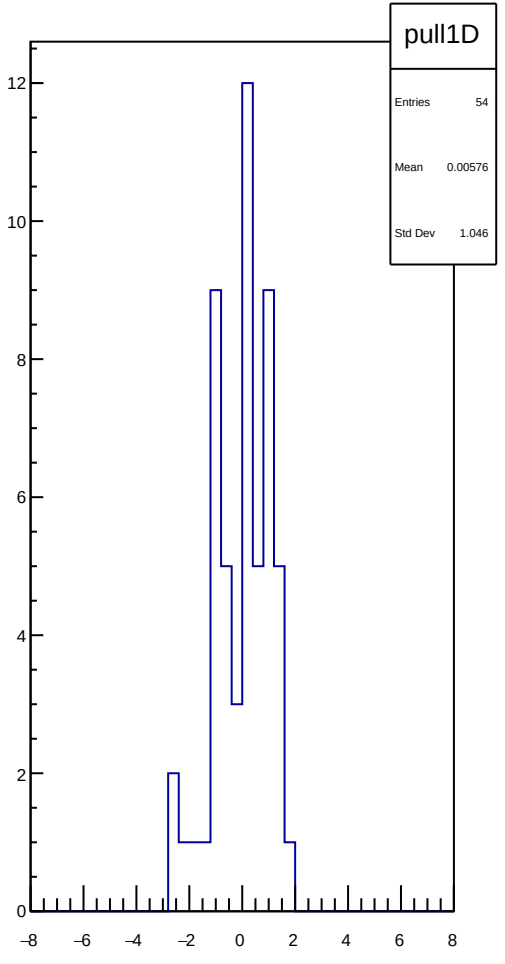

asym_atl1r2_avg_rms vs run
χ² / ndf 7.235e+04 / 53
p0 6528 ± 6.66
11000
10000
9000
8000
7000
6000
5000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

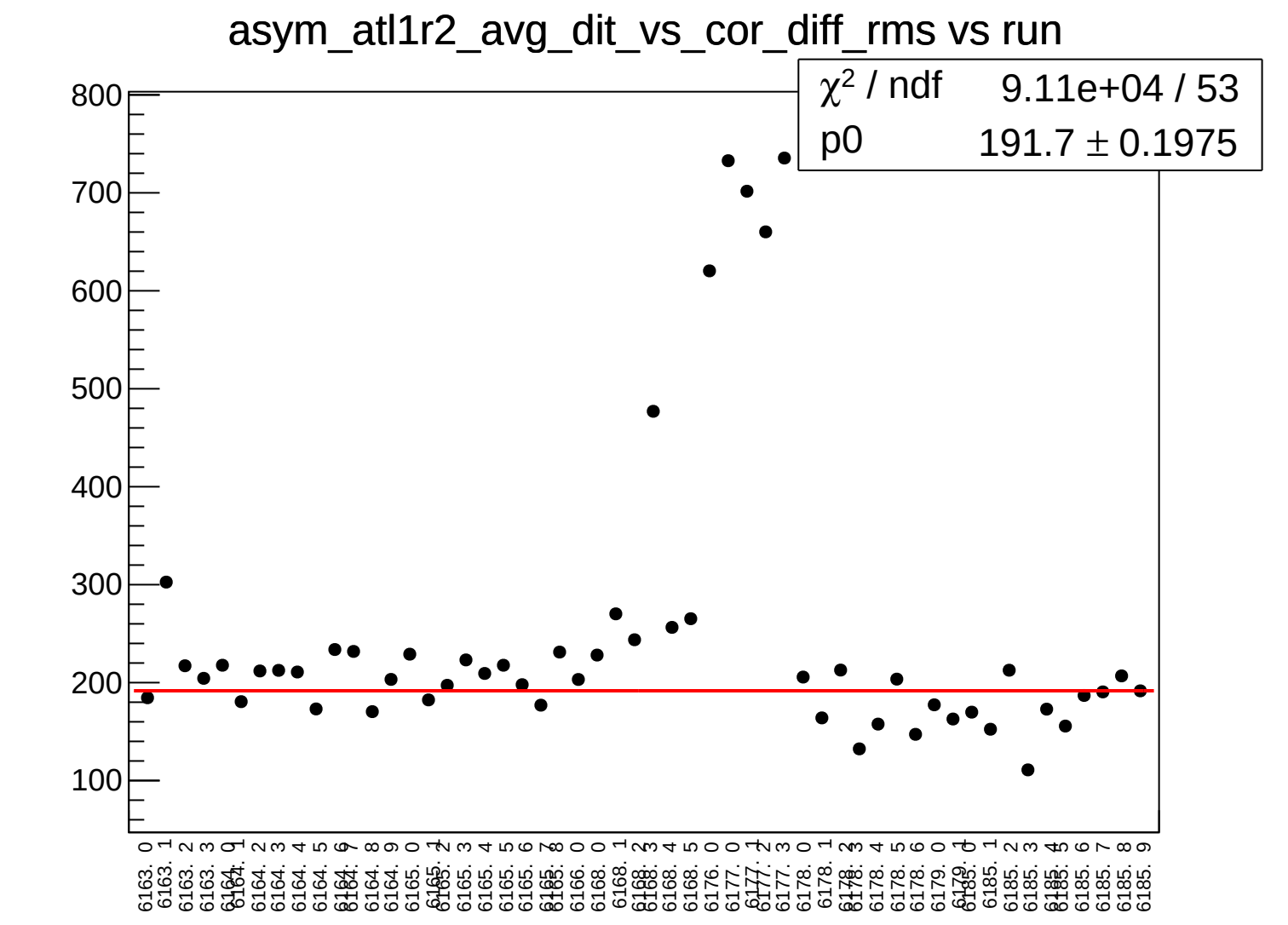

asym_atl1r2_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 49.64 / 53
p0 3.255e−12 ± 9.671e−13
0.01
0.005
0
−0.005
−0.01
pull
Entries 54
Mean 13.01
Std Dev 0

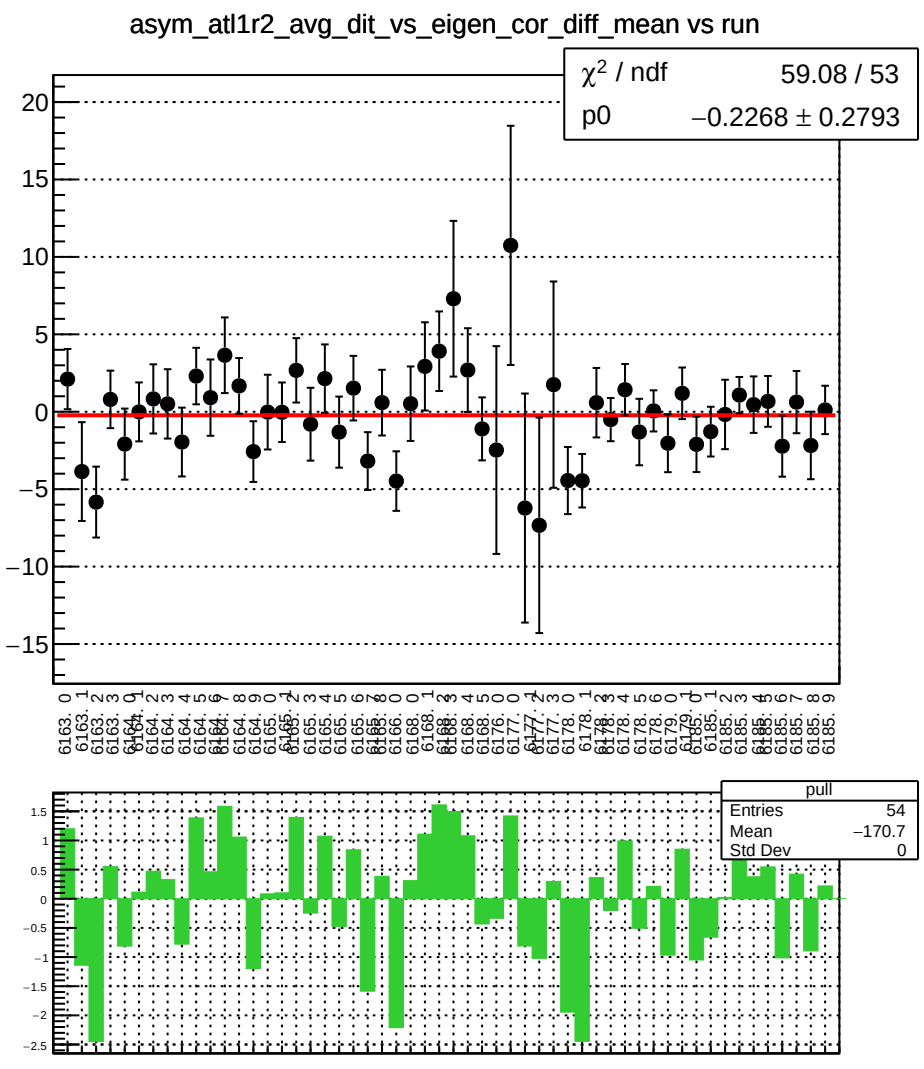

pull1D
Entries 54
Mean −0.1028
Std Dev 0.9532
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

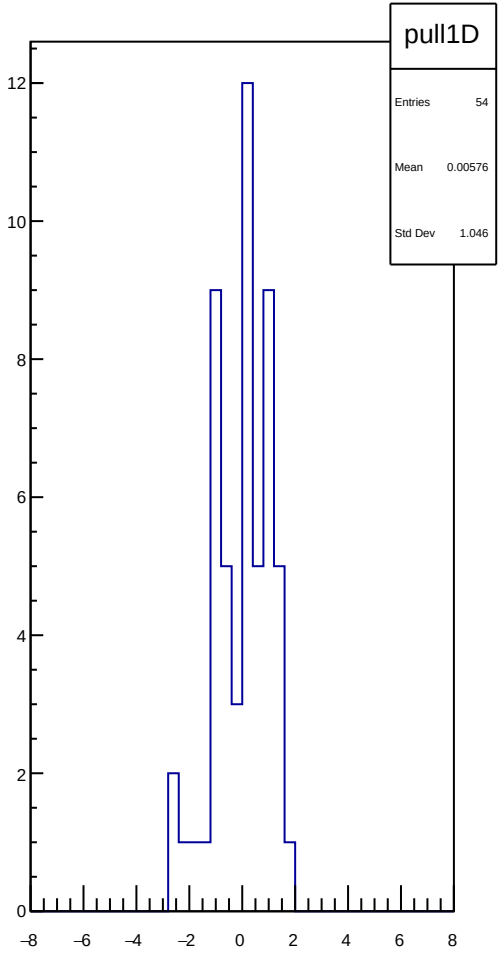

asym_atl1r2_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 5.9e+05 / 53
p0 4.551e−10 ± 6.838e−13
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6165. 7
6166. 0
6168. 0
6168. 1
6168. 3
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 3
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

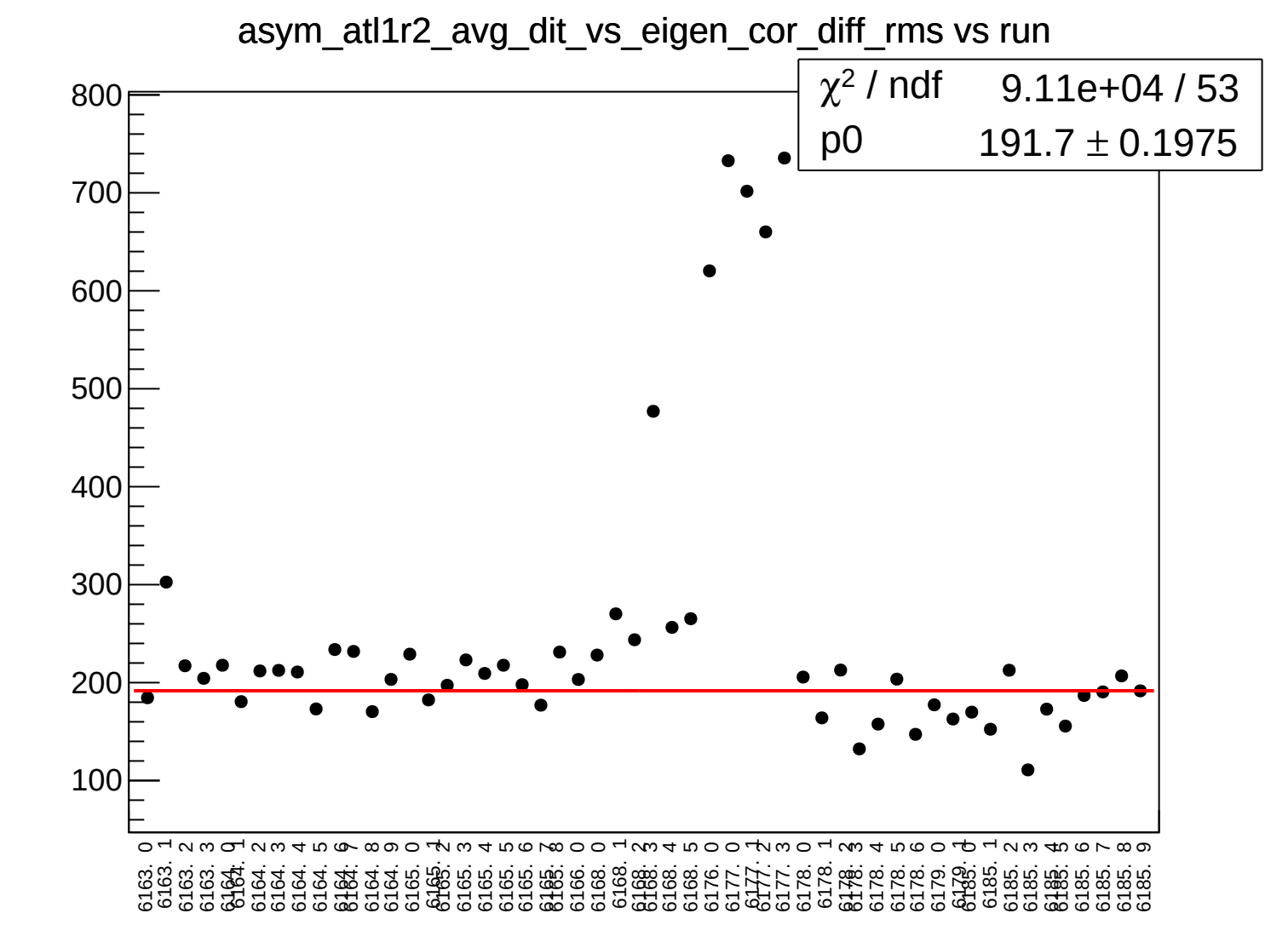

asym_atl1r2_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 59.08 / 53
p0 −0.2268 ± 0.2793
pull
Entries 54
Mean −170.7
Std Dev 0

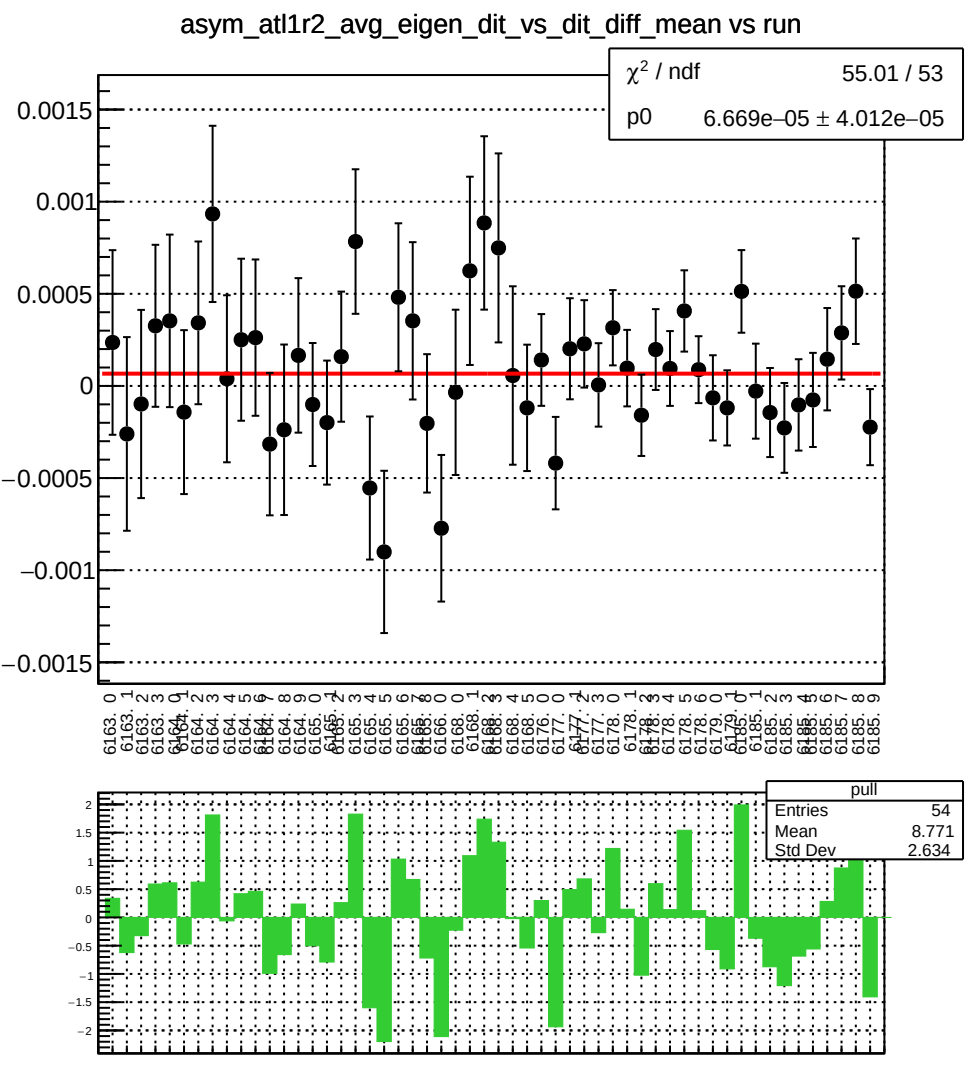

pull1D
Entries 54
Mean 0.00576
Std Dev 1.046

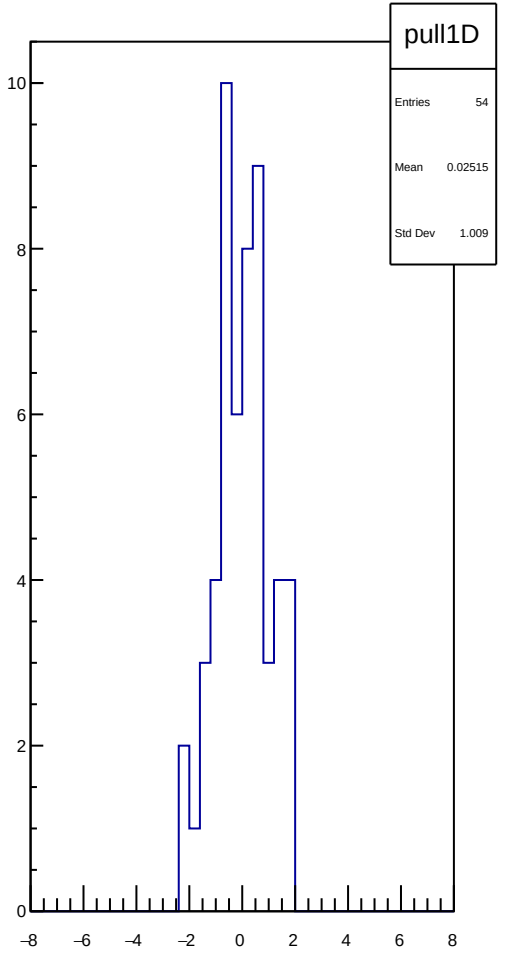

asym_atl1r2_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 9.11e+04 / 53
p0 191.7 ± 0.1975
800
700
600
500
400
300
200
100
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

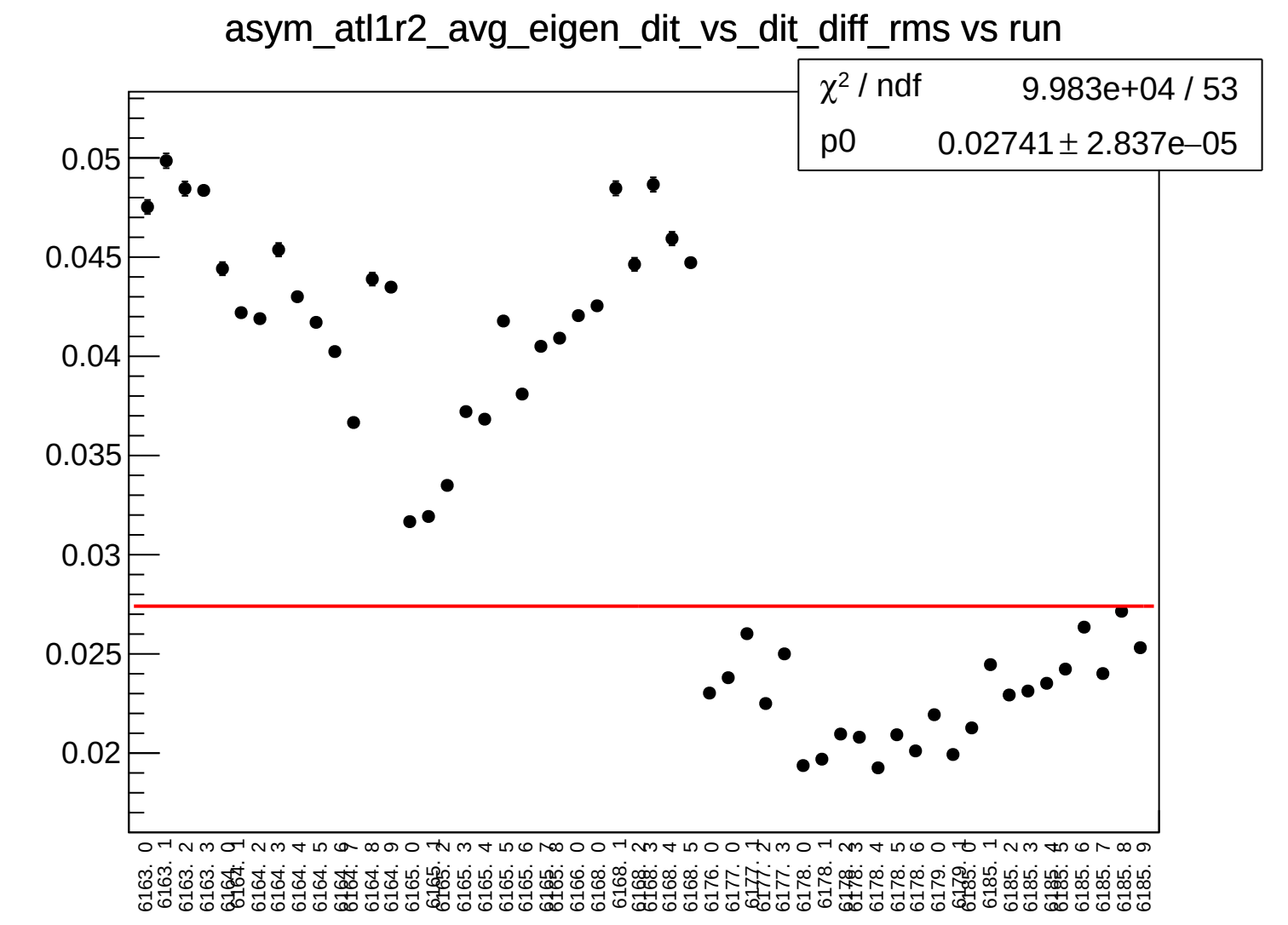

asym_atl1r2_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 59.08 / 53
p0 −0.2268 ± 0.2793
pull
Entries 54
Mean −170.7
Std Dev 0

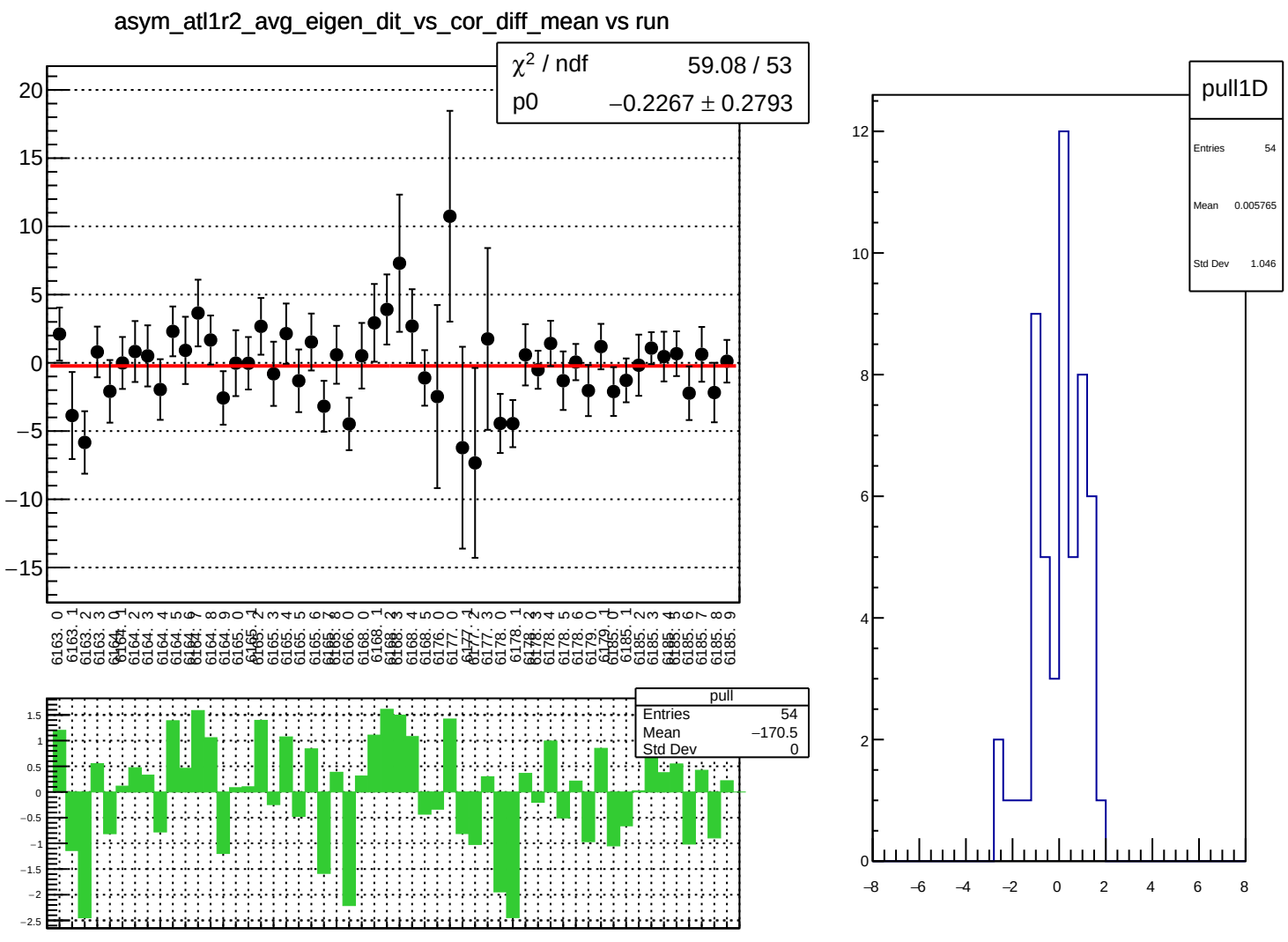

pull1D
Entries 54
Mean 0.00576
Std Dev 1.046

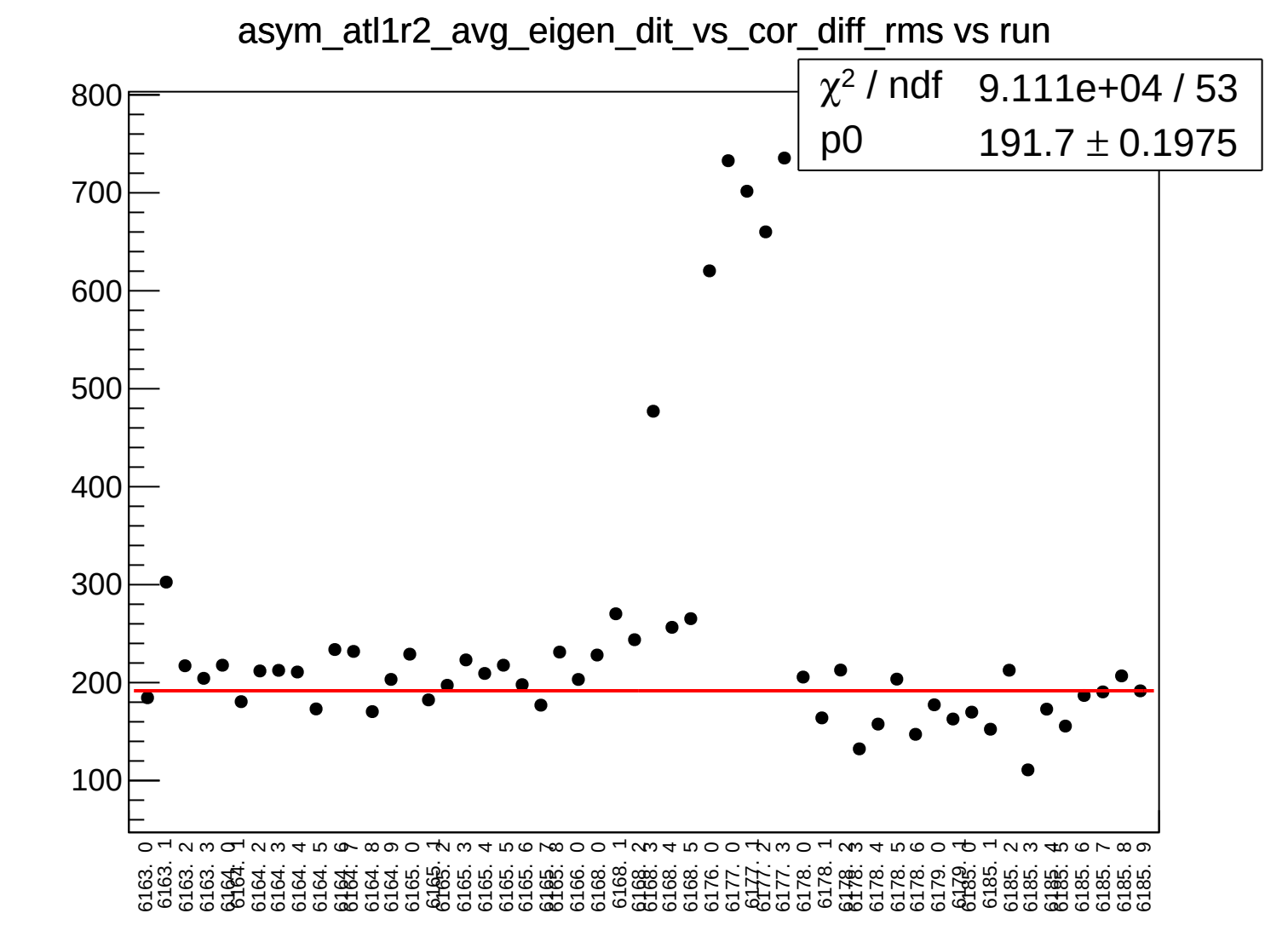

asym_atl1r2_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.11e+04 / 53
p0 191.7 ± 0.1975
800
700
600
500
400
300
200
100
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

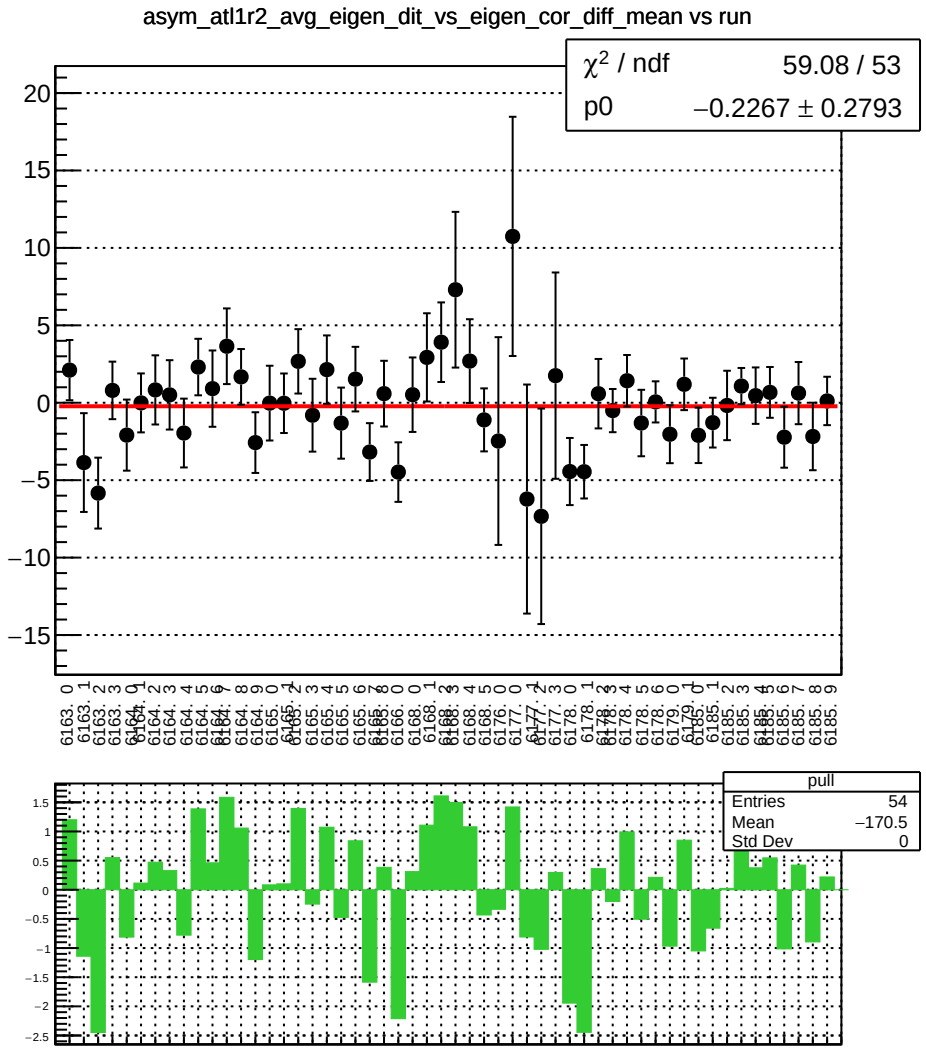

asym_atl1r2_avg_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 55.01 / 53
p0 6.669e−05 ± 4.012e−05
0.0015
0.001
0.0005
0
−0.0005
−0.001
−0.0015
pull
Entries 54
Mean 8.771
Std Dev 2.634
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

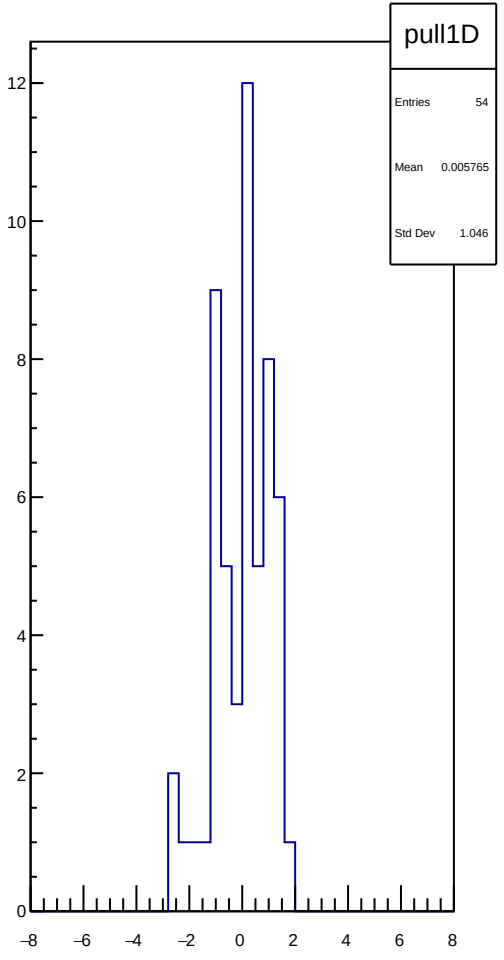

pull1D
Entries 54
Mean 0.02515
Std Dev 1.009
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

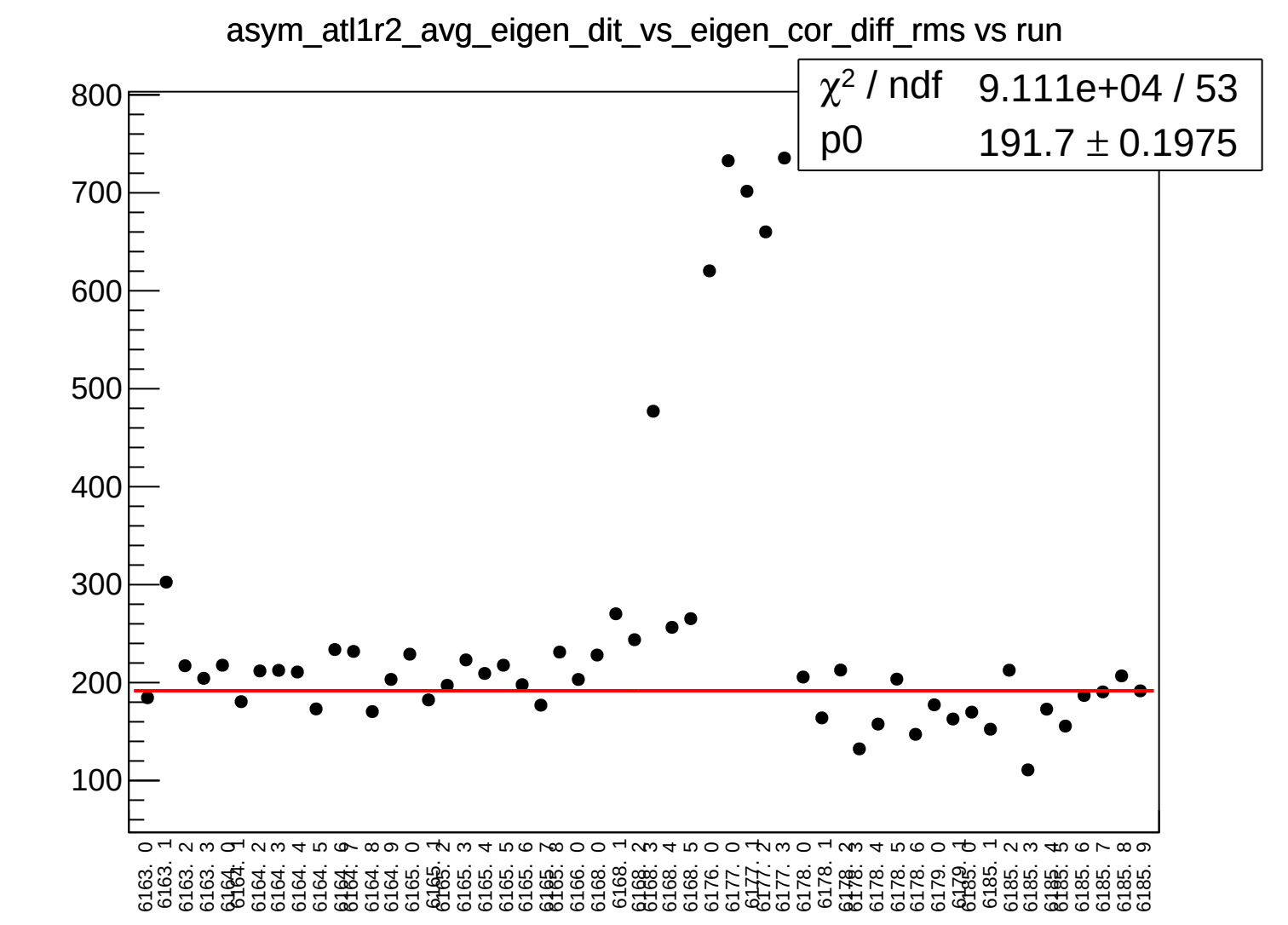

asym_atl1r2_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 9.983e+04 / 53
p0 0.02741 ± 2.837e−05
0.05
0.045
0.04
0.035
0.03
0.025
0.02
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

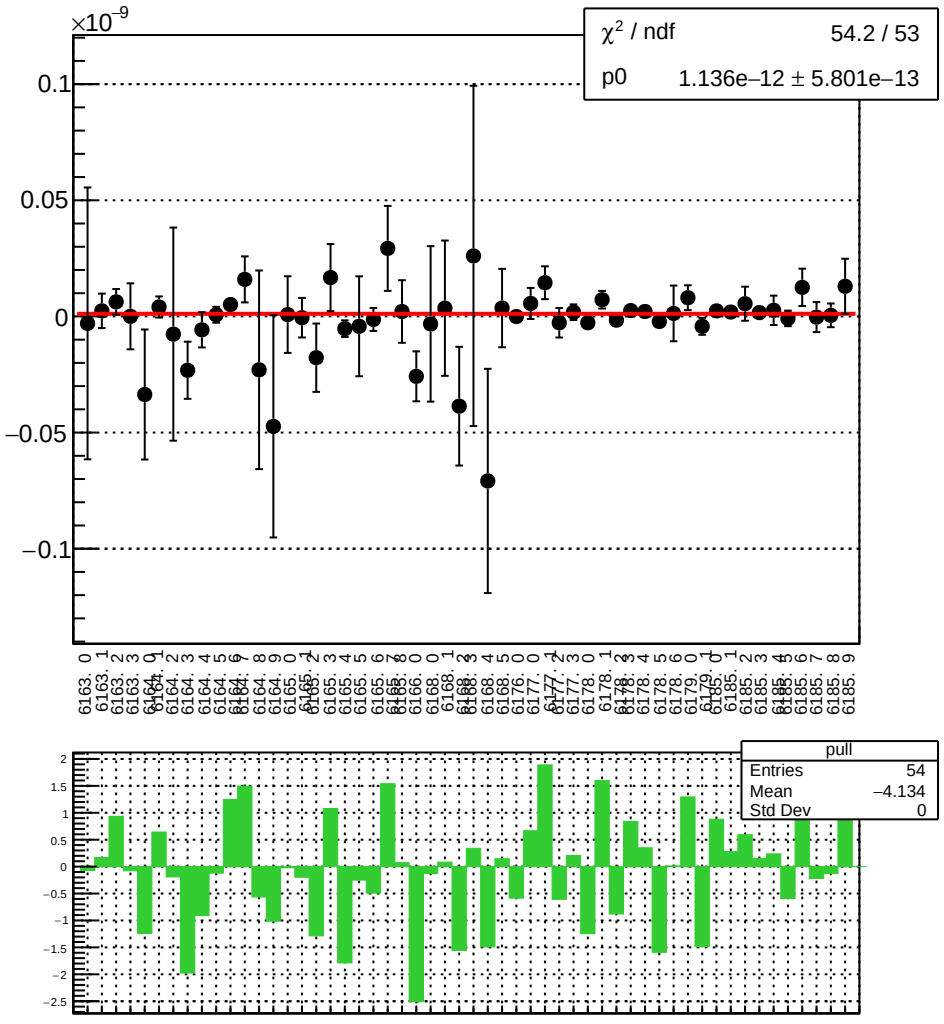

asym_atl1r2_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 59.08 / 53
p0 −0.2267 ± 0.2793
pull
Entries 54
Mean −170.5
Std Dev 0
pull1D
Entries 54
Mean 0.005765
Std Dev 1.046

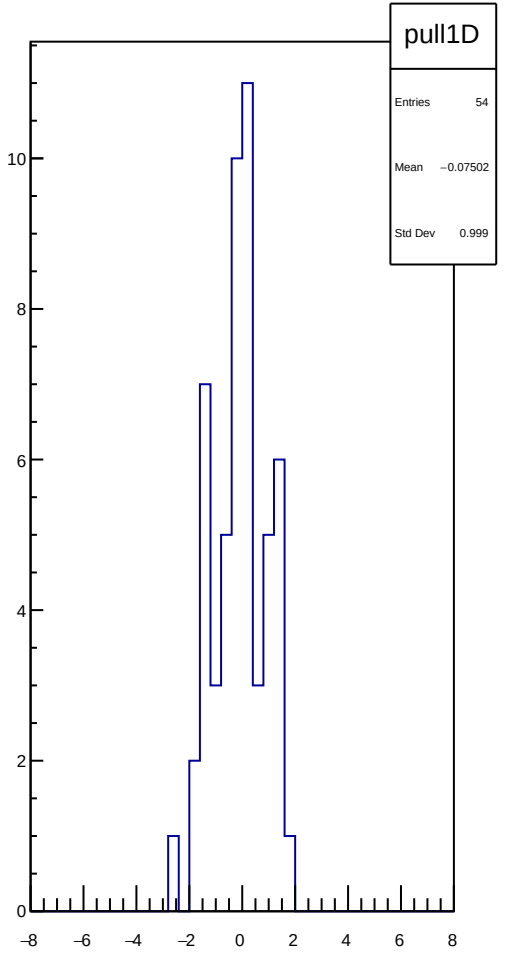

asym_atl1r2_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 9.111e+04 / 53
p0 191.7 ± 0.1975
800
700
600
500
400
300
200
100
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

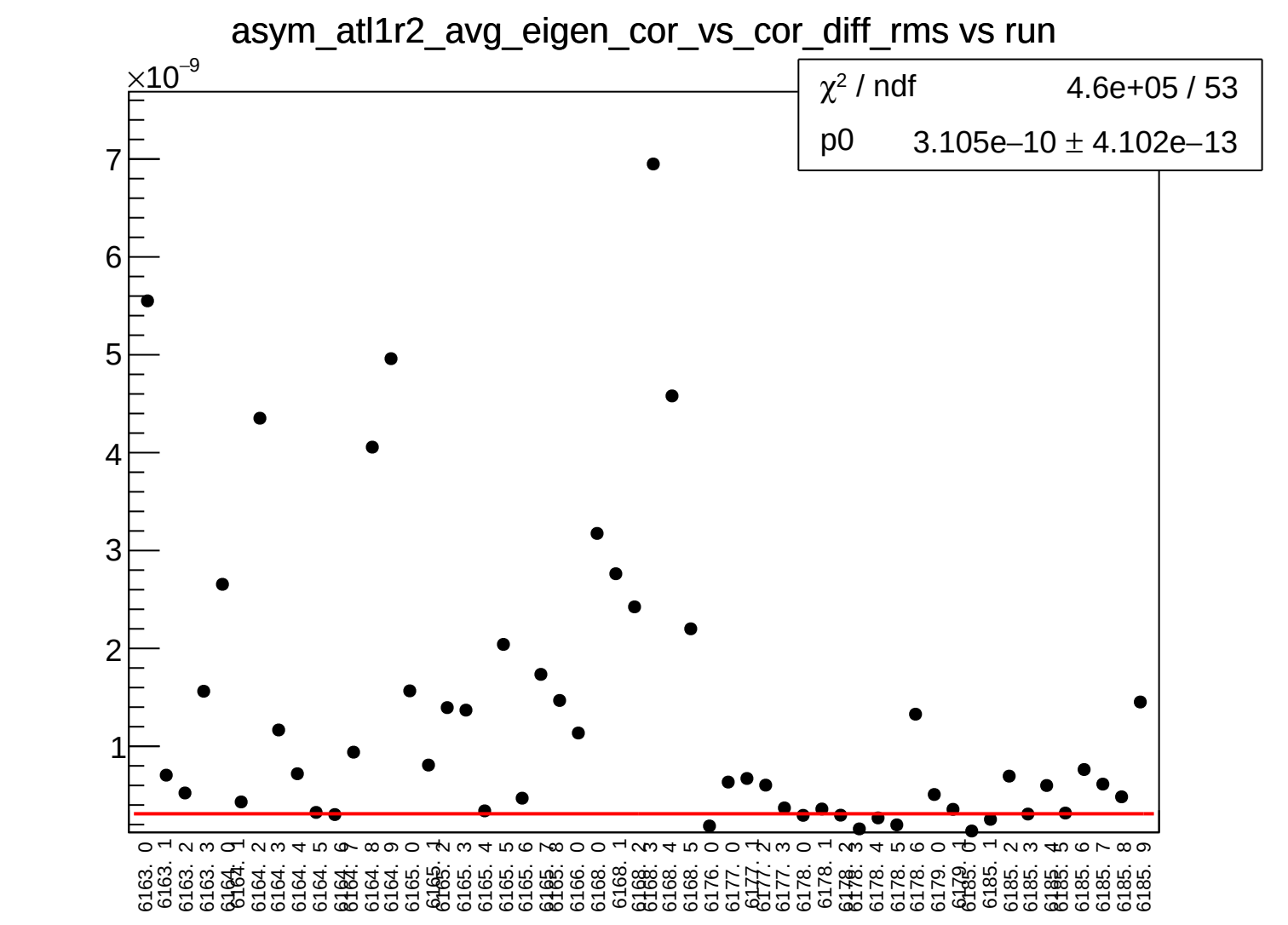

asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 59.08 / 53
p0 −0.2267 ± 0.2793
pull
Entries 54
Mean −170.5
Std Dev 0

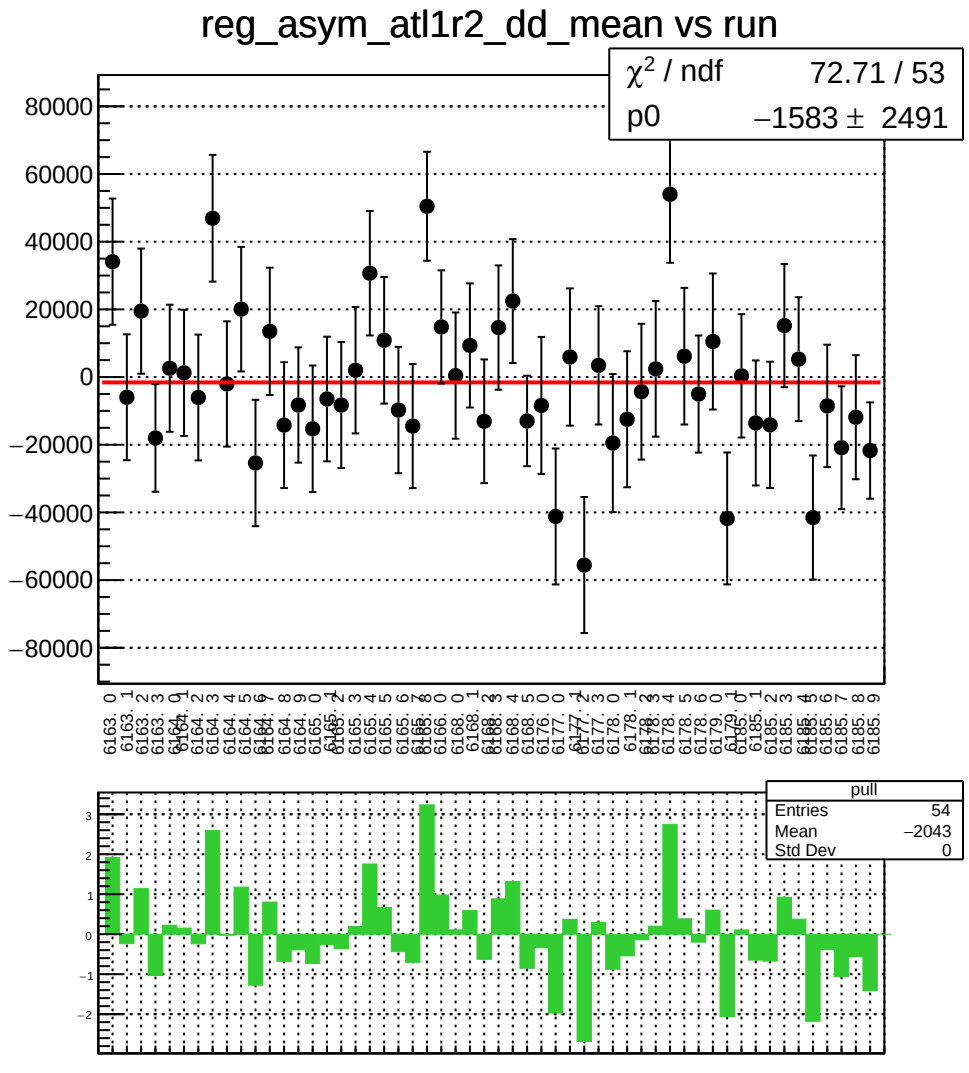

pull1D
Entries 54
Mean 0.005765
Std Dev 1.046

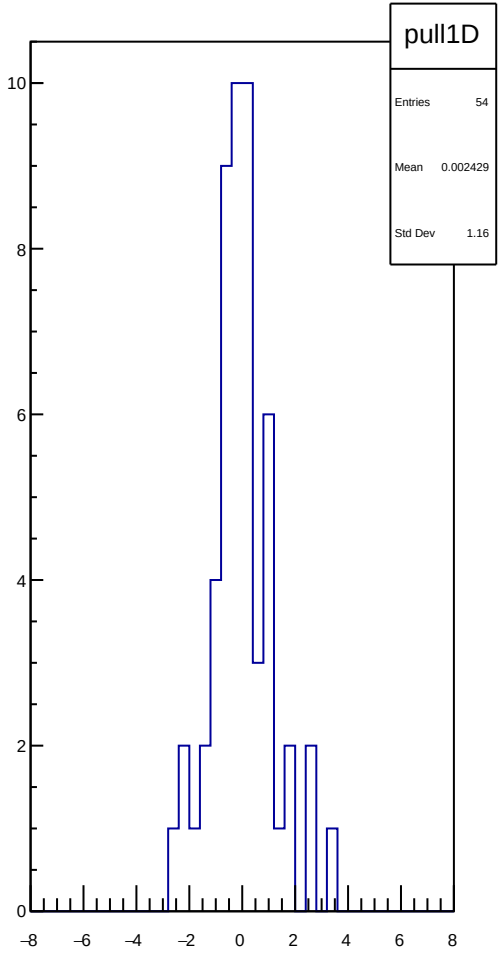

asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.111e+04 / 53
p0 191.7 ± 0.1975
800
700
600
500
400
300
200
100
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

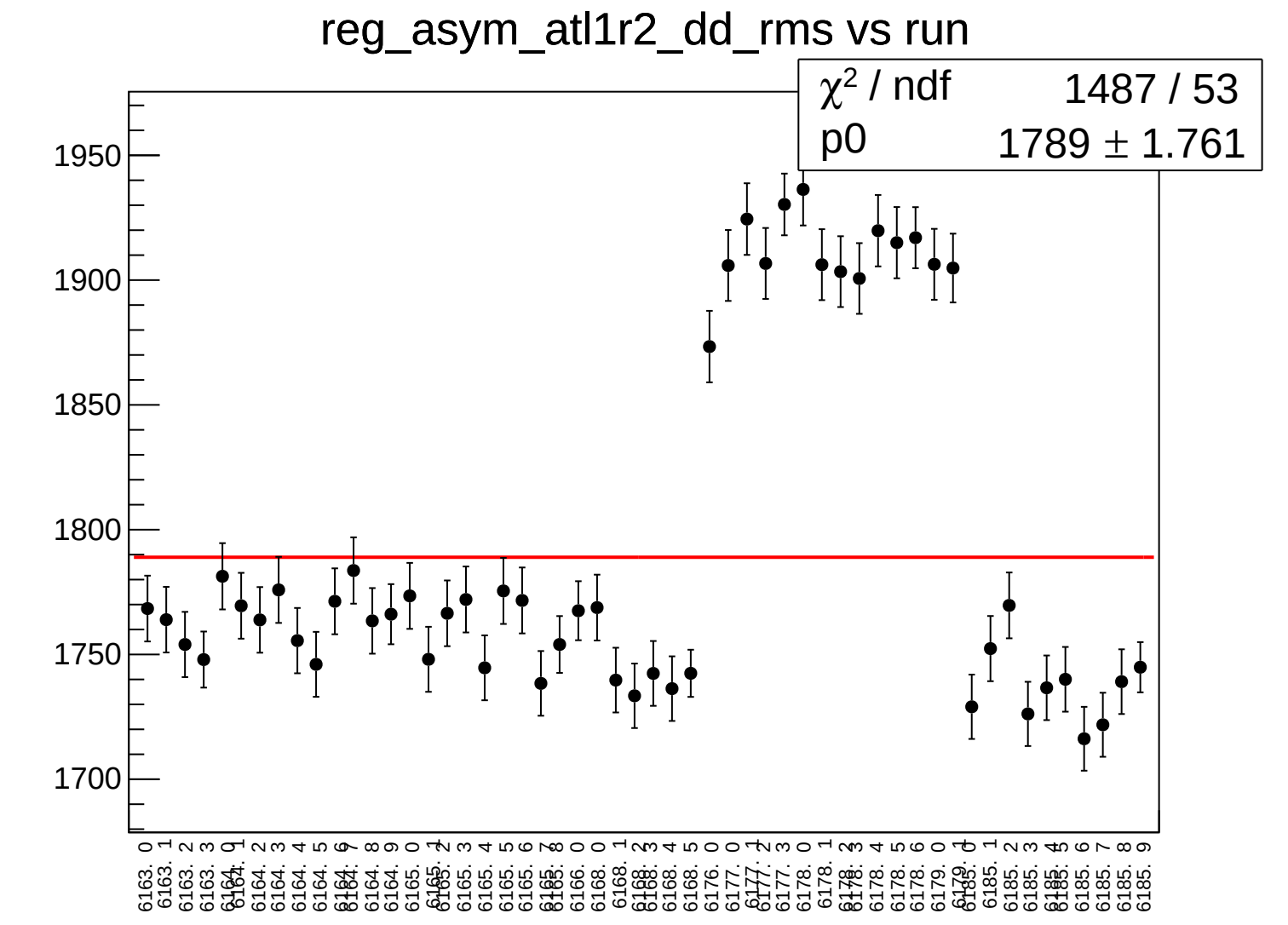

asym_atl1r2_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻⁹
χ² / ndf 54.2 / 53
p0 1.136e−12 ± 5.801e−13
pull
Entries 54
Mean −4.134
Std Dev 0

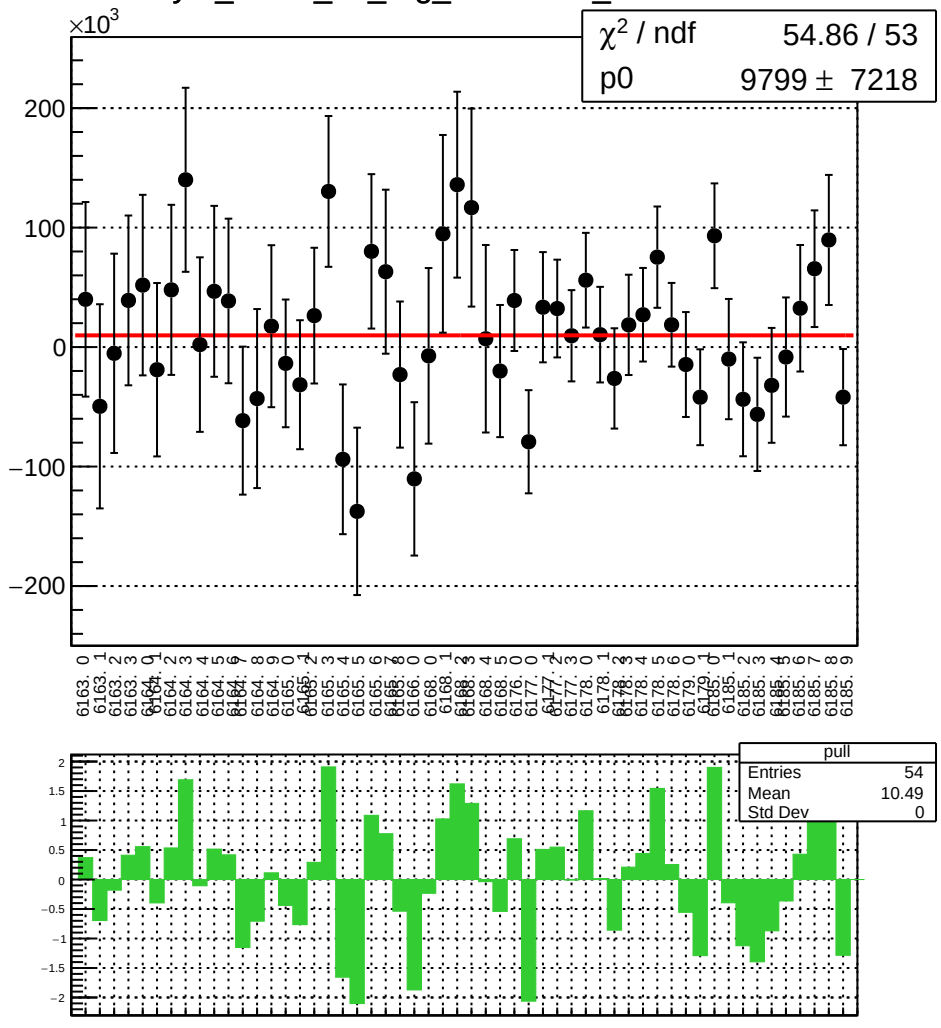

pull1D
Entries 54
Mean −0.07502
Std Dev 0.999

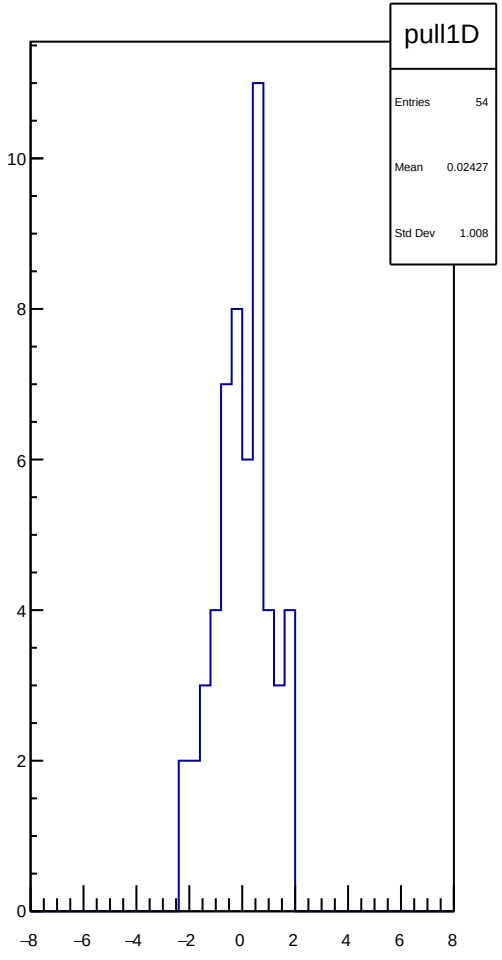

asym_atl1r2_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.6e+05 / 53
p0 3.105e−10 ± 4.102e−13
7
6
5
4
3
2
1
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

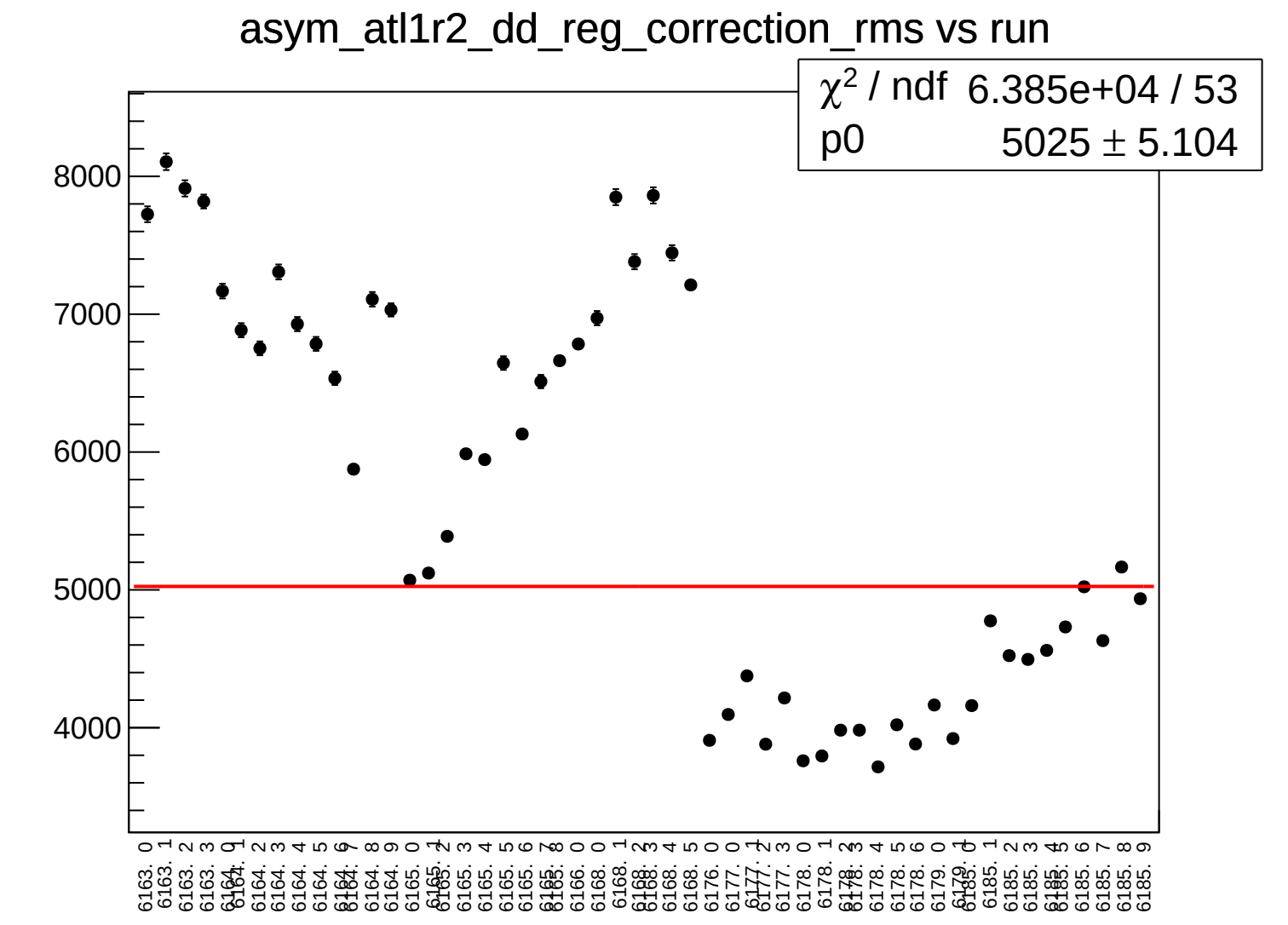

reg_asym_atl1r2_dd_mean vs run
χ² / ndf 72.71 / 53
p0 −1583 ± 2491
pull
Entries 54
Mean −2043
Std Dev 0


pull1D
Entries 54
Mean 0.002429
Std Dev 1.16


reg_asym_atl1r2_dd_rms vs run
χ² / ndf 1487 / 53
p0 1789 ± 1.761
1950
1900
1850
1800
1750
1700
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


asym_atl1r2_dd_reg_correction_mean vs run
×10^3
χ² / ndf 54.86 / 53
p0 9799 ± 7218
200
100
0
−100
−200
pull
Entries 54
Mean 10.49
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 54
Mean 0.02427
Std Dev 1.008
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 6.385e+04 / 53
p0 5025 ± 5.104
8000
7000
6000
5000
4000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
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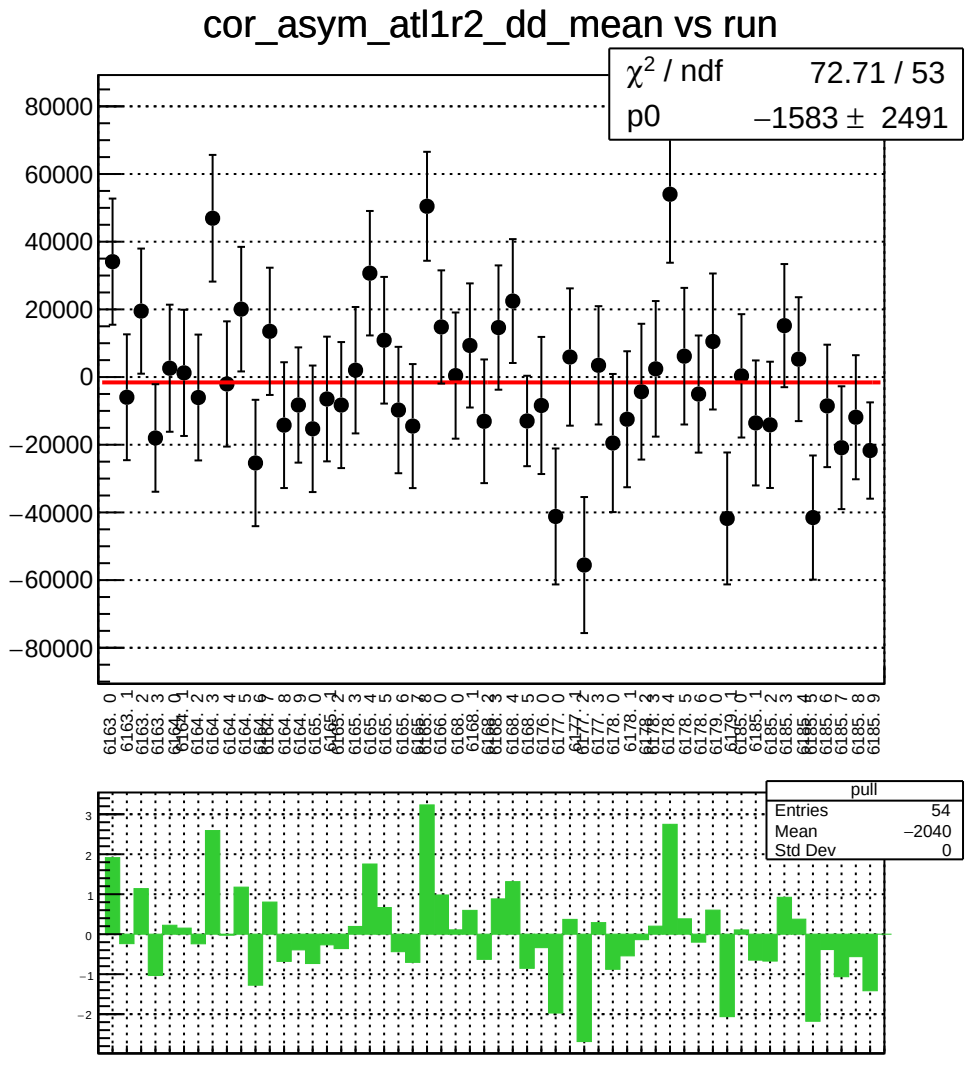
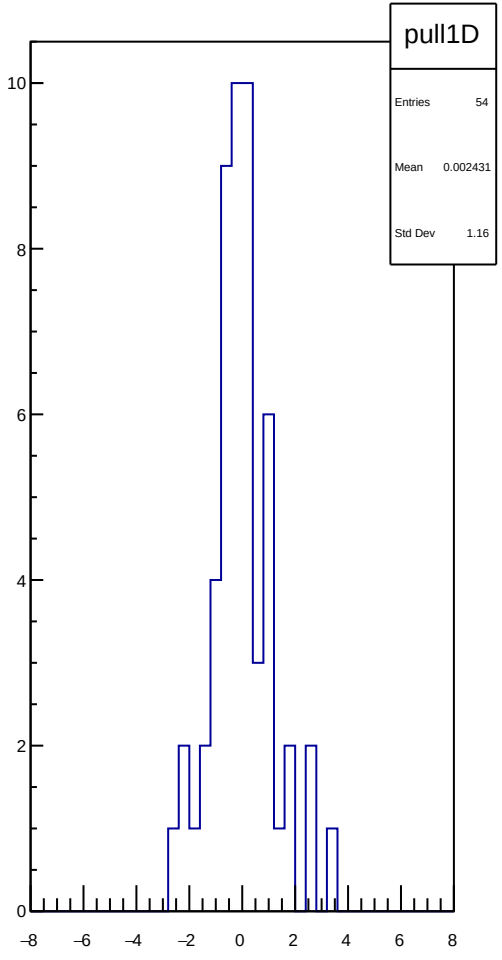
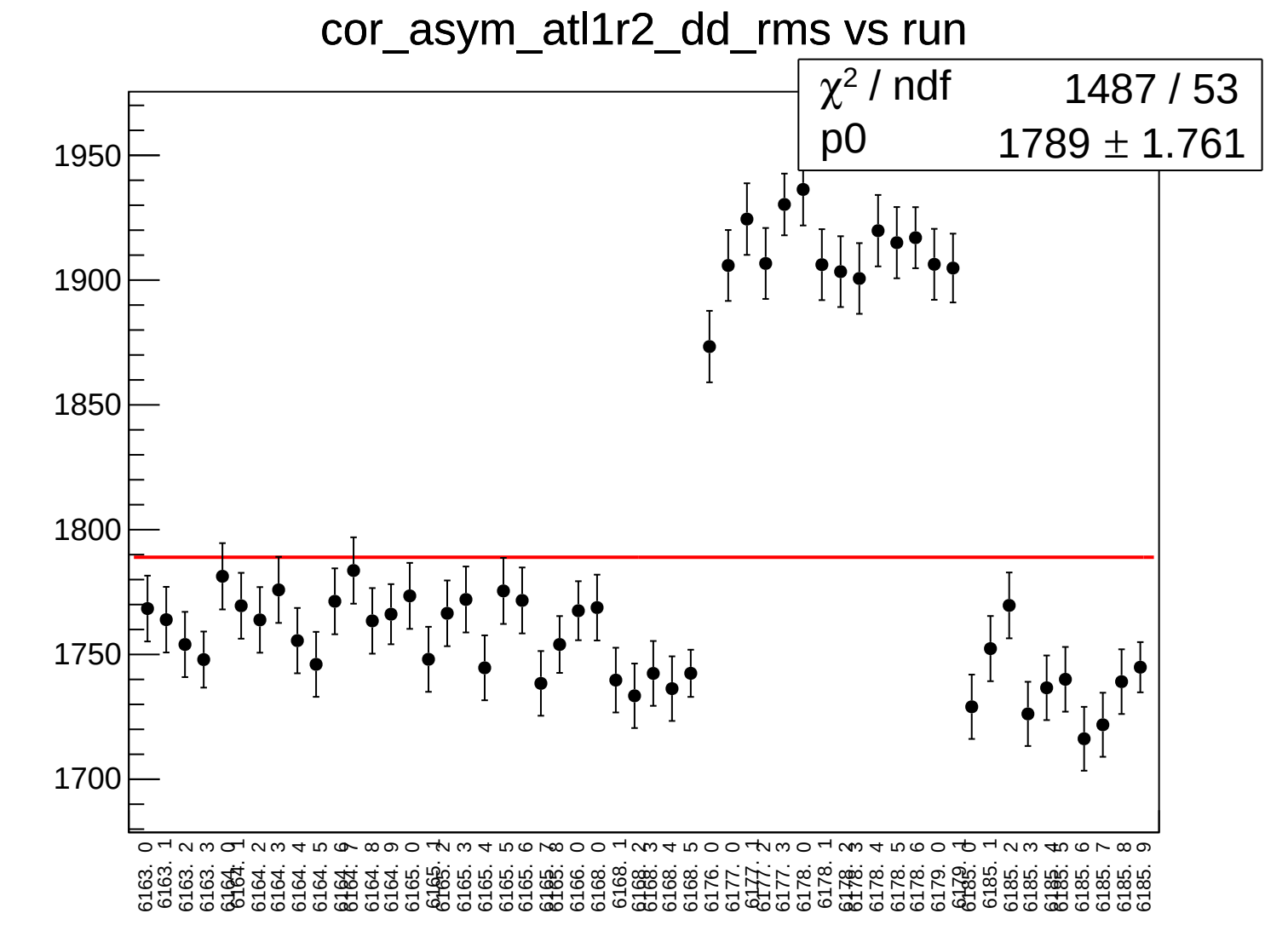
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


cor_asym_atl1r2_dd_mean vs run
χ² / ndf 72.71 / 53
p0 −1583 ± 2491
pull
Entries 54
Mean −2040
Std Dev 0


pull1D
Entries 54
Mean 0.002431
Std Dev 1.16


cor_asym_atl1r2_dd_rms vs run
χ² / ndf 1487 / 53
p0 1789 ± 1.761
1950
1900
1850
1800
1750
1700
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
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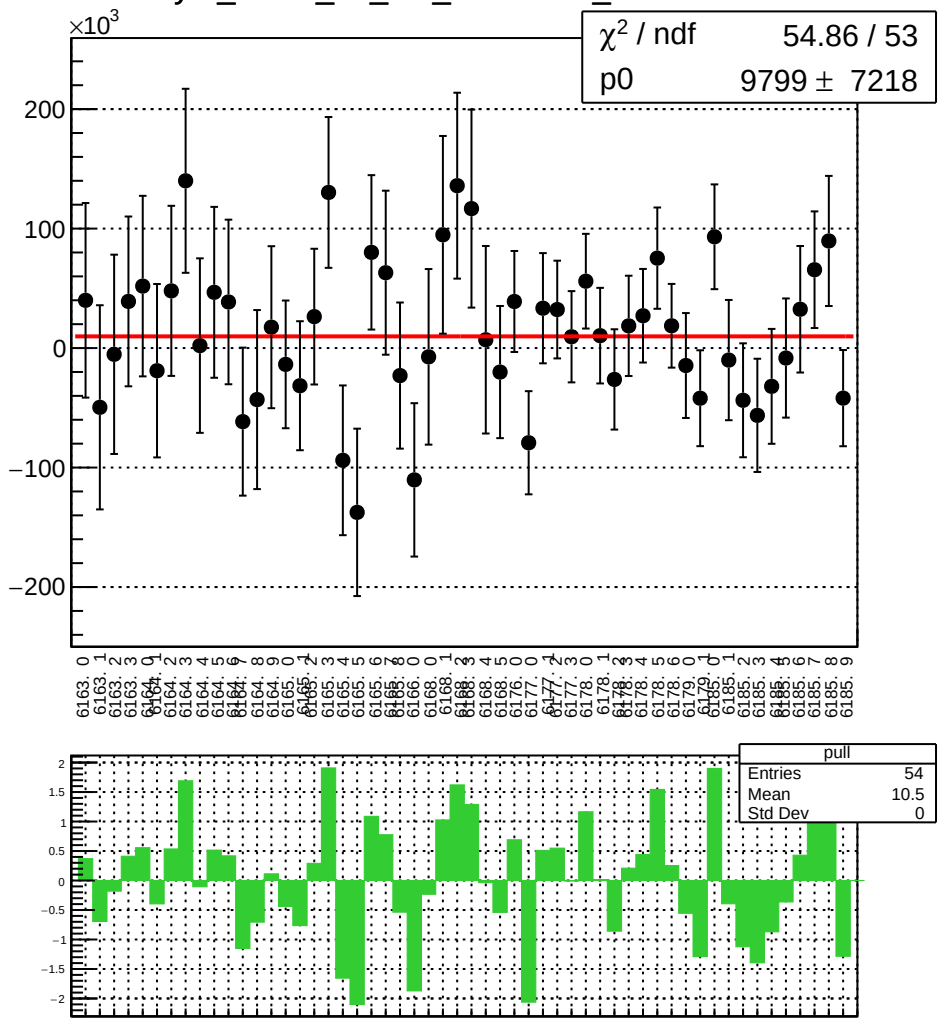
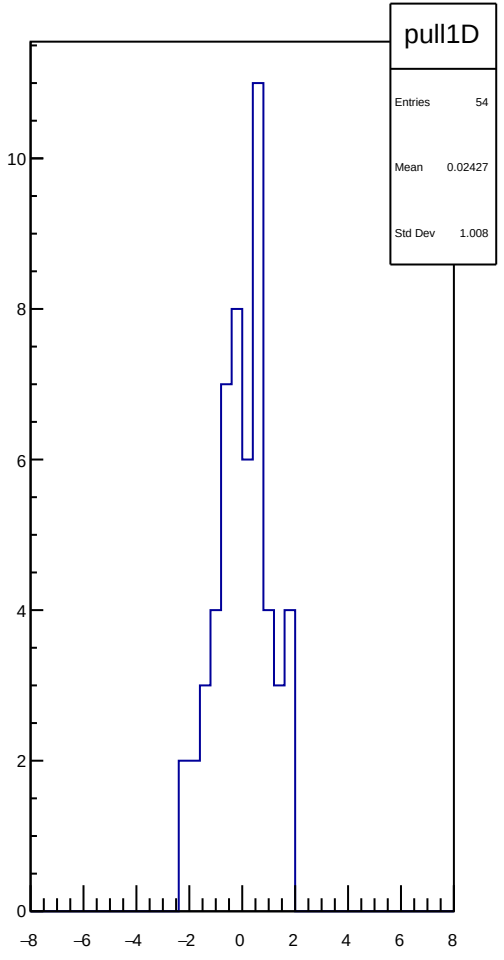
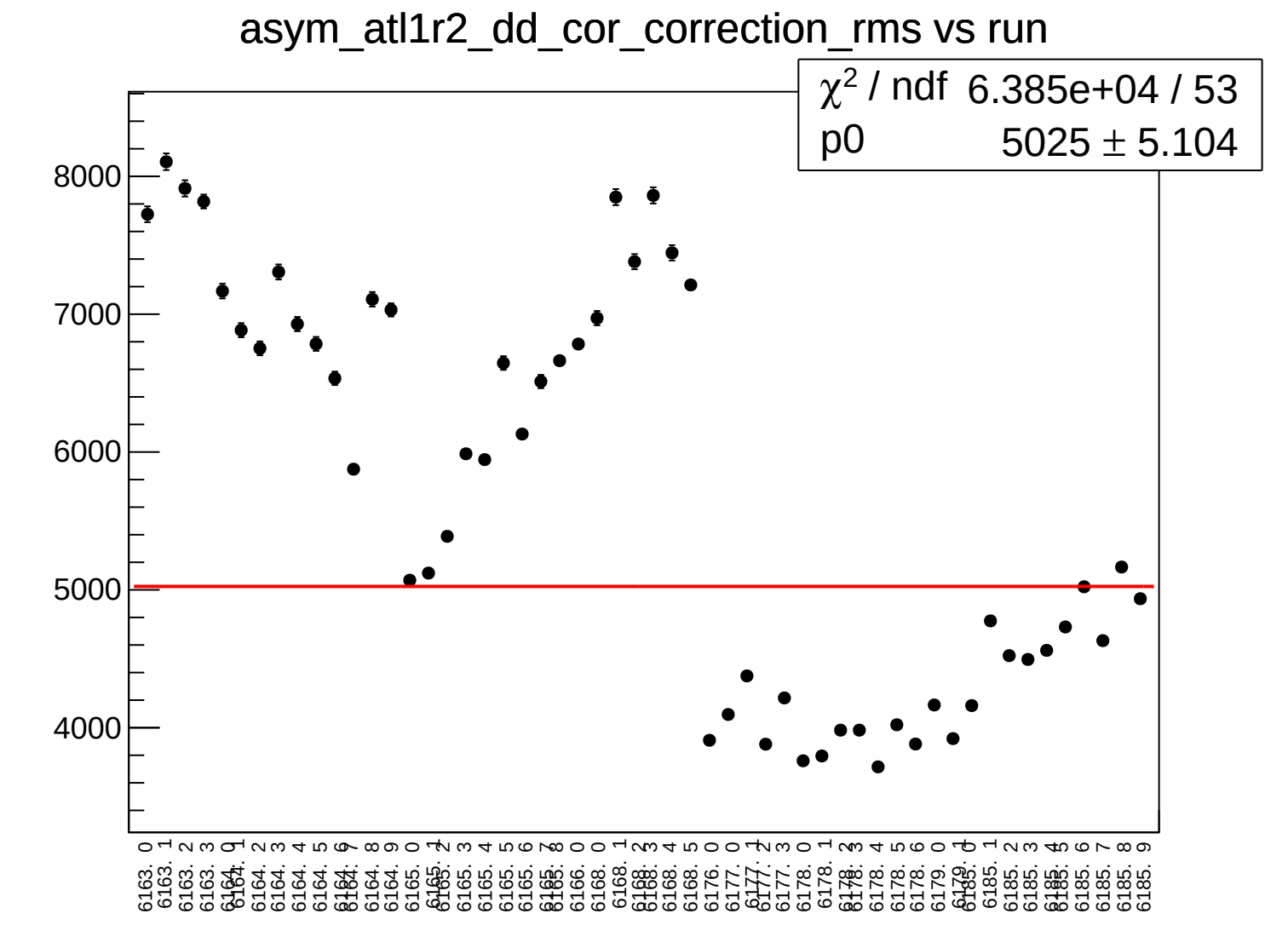
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


asym_atl1r2_dd_cor_correction_mean vs run
×10^3
χ² / ndf 54.86 / 53
p0 9799 ± 7218
200
100
0
−100
−200
pull
Entries 54
Mean 10.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 54
Mean 0.02427
Std Dev 1.008
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 6.385e+04 / 53
p0 5025 ± 5.104
8000
7000
6000
5000
4000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
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6179. 0
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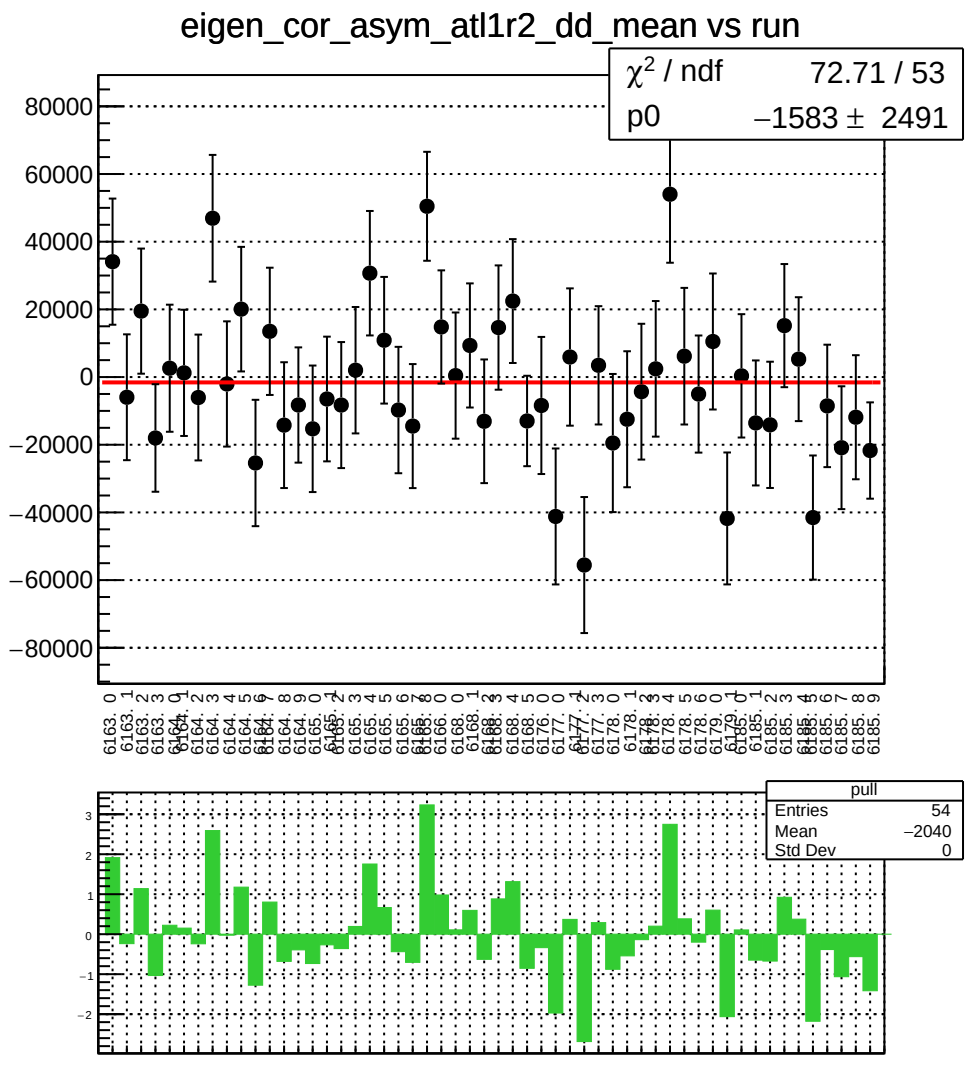
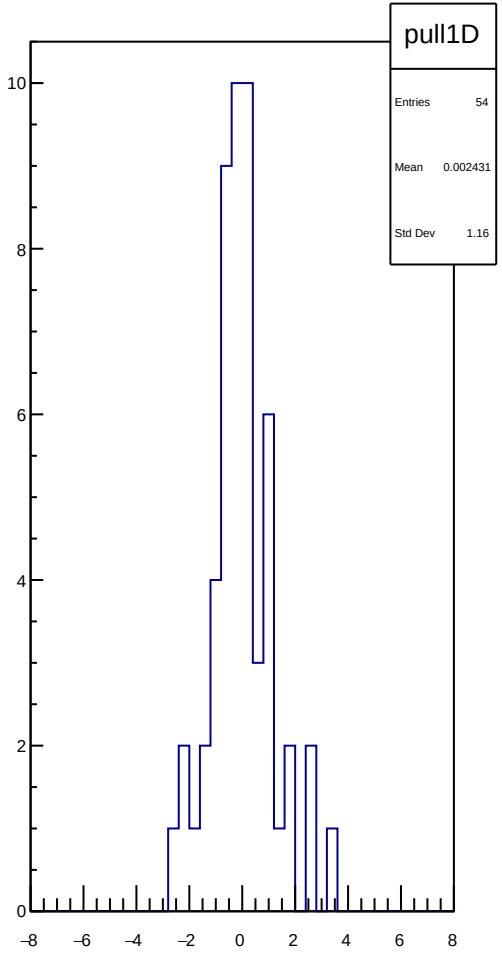
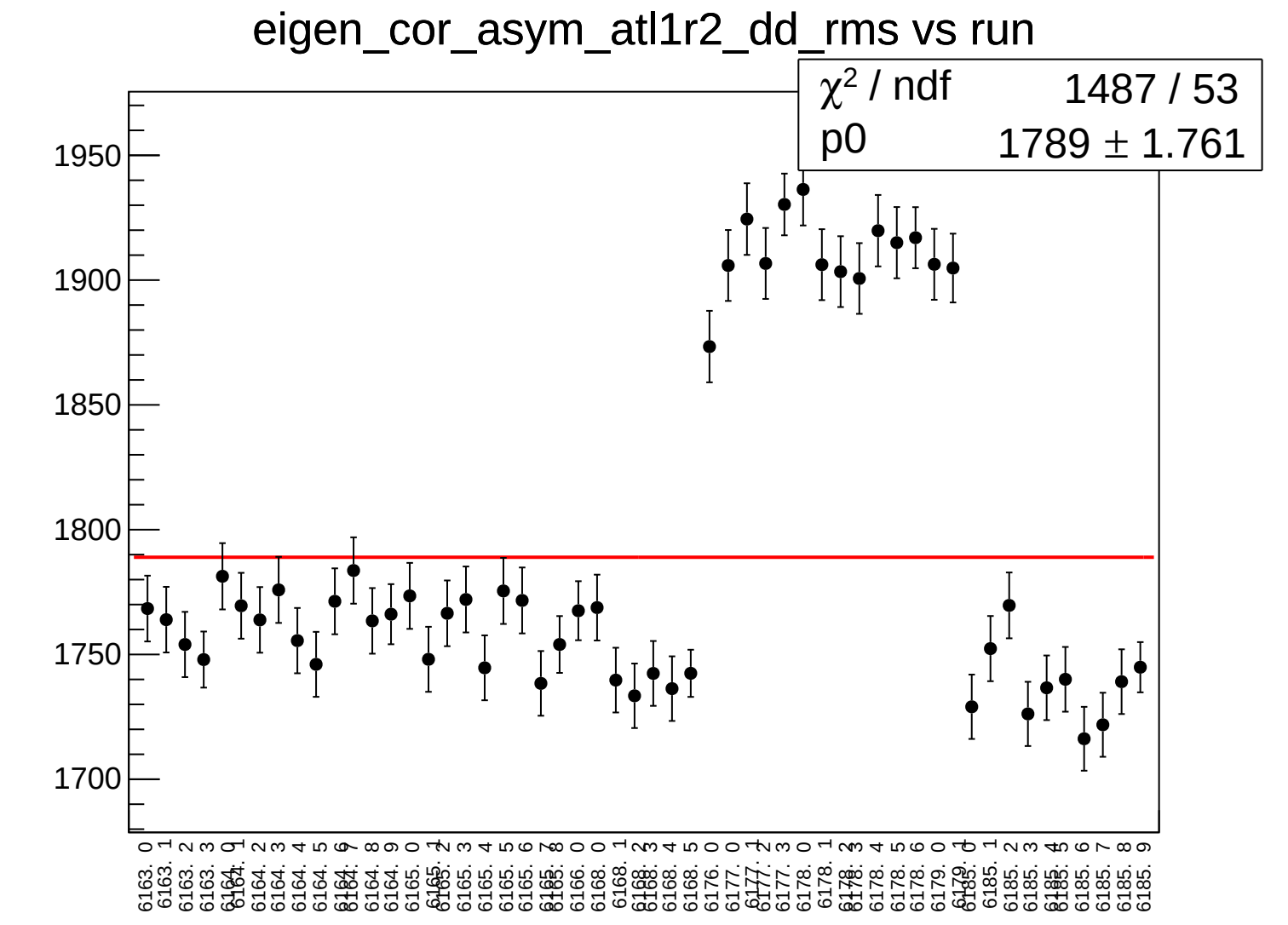
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


eigen_cor_asym_atl1r2_dd_mean vs run
χ² / ndf 72.71 / 53
p0 −1583 ± 2491
pull
Entries 54
Mean −2040
Std Dev 0


pull1D
Entries 54
Mean 0.002431
Std Dev 1.16


eigen_cor_asym_atl1r2_dd_rms vs run
χ² / ndf 1487 / 53
p0 1789 ± 1.761
1950
1900
1850
1800
1750
1700
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
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6165. 4
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6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
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6179. 0
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6185. 2
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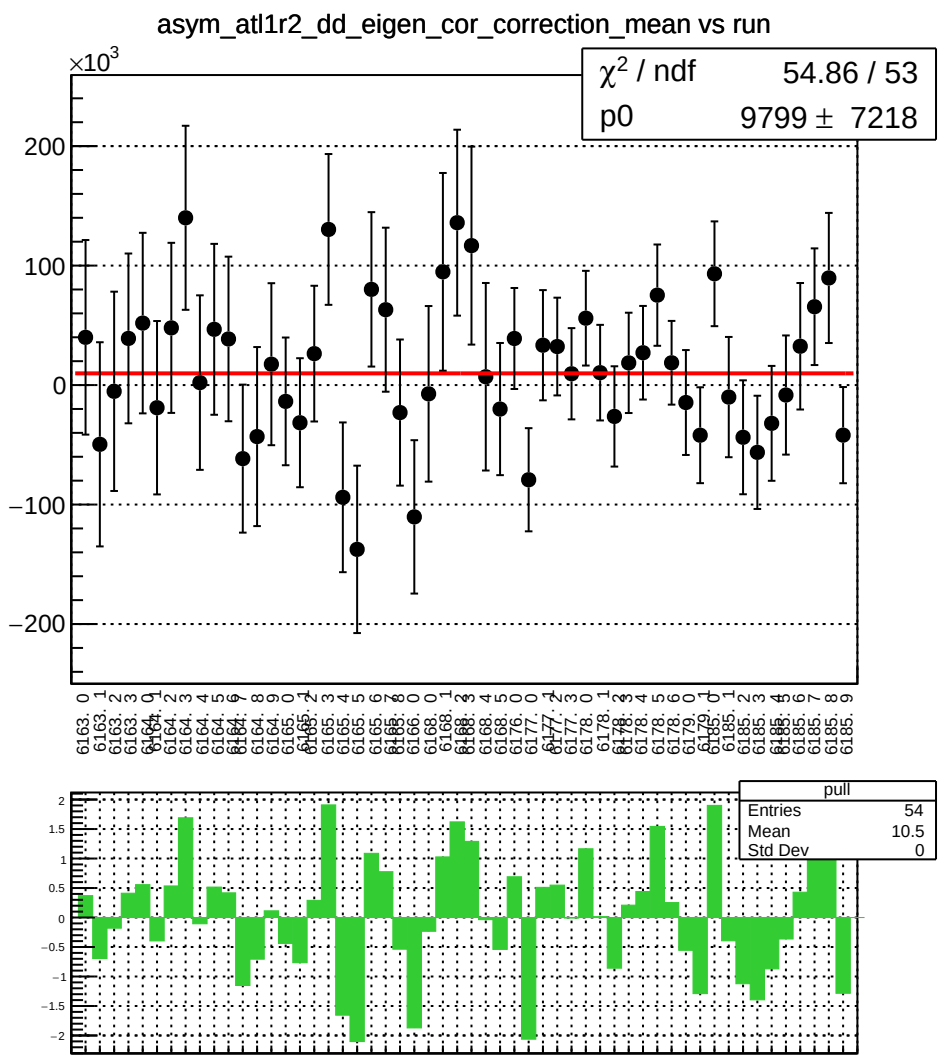
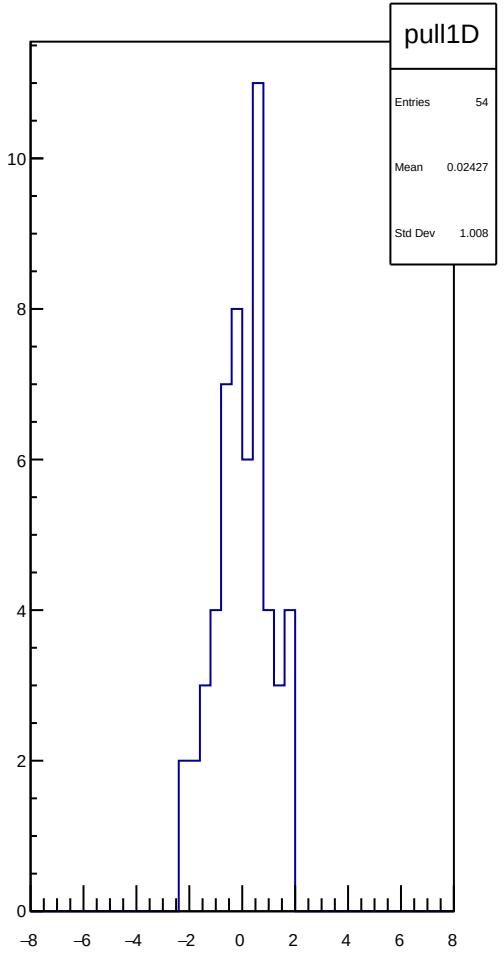
6185. 9


asym_atl1r2_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 54.86 / 53
p0 9799 ± 7218
200
100
0
−100
−200
pull
Entries 54
Mean 10.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 54
Mean 0.02427
Std Dev 1.008
10
8
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4
2
0
−8
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−4
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6
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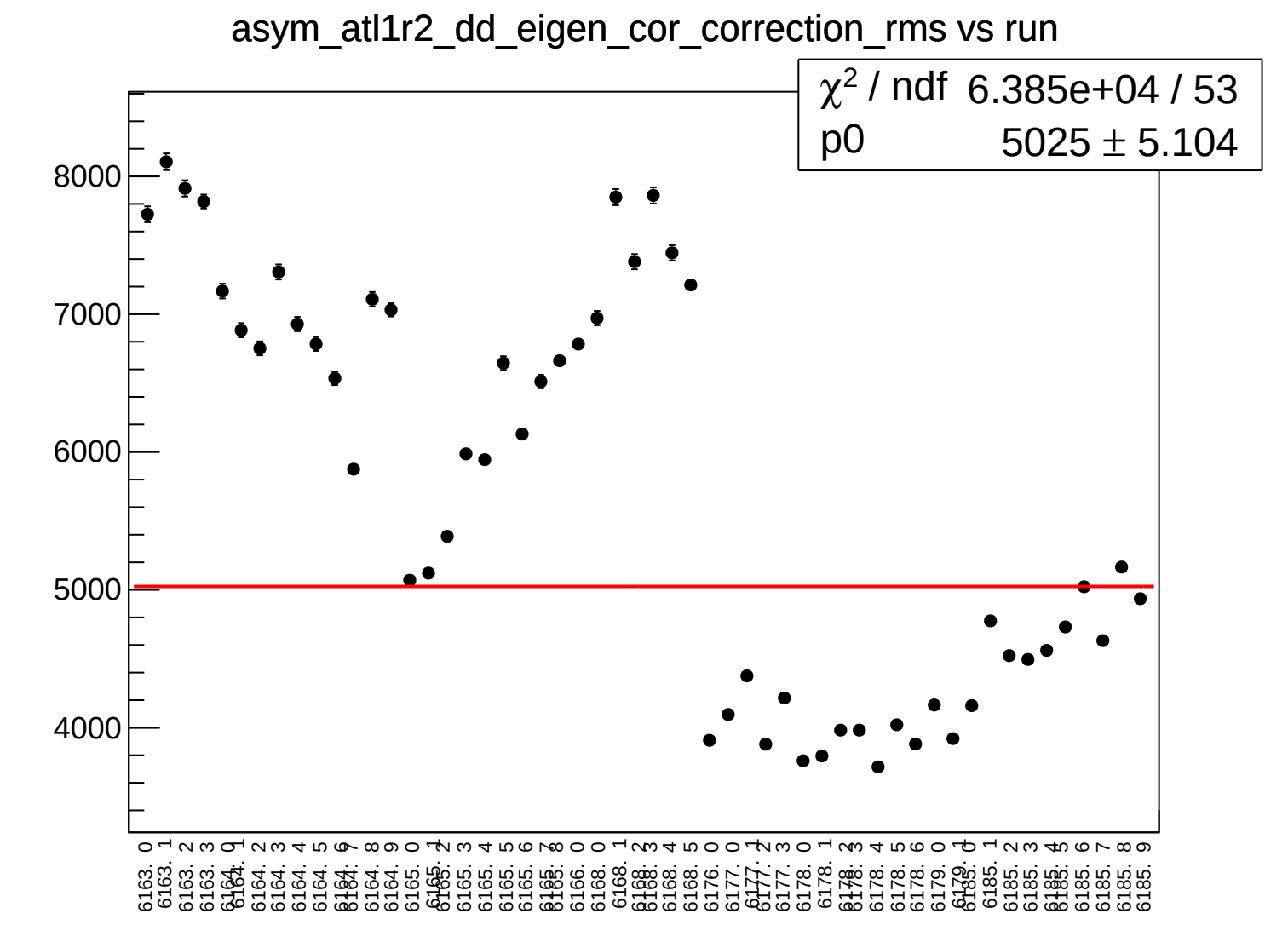
asym_atl1r2_dd_eigen_cor_correction_rms vs run
χ² / ndf 6.385e+04 / 53
p0 5025 ± 5.104
8000
7000
6000
5000
4000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
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6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
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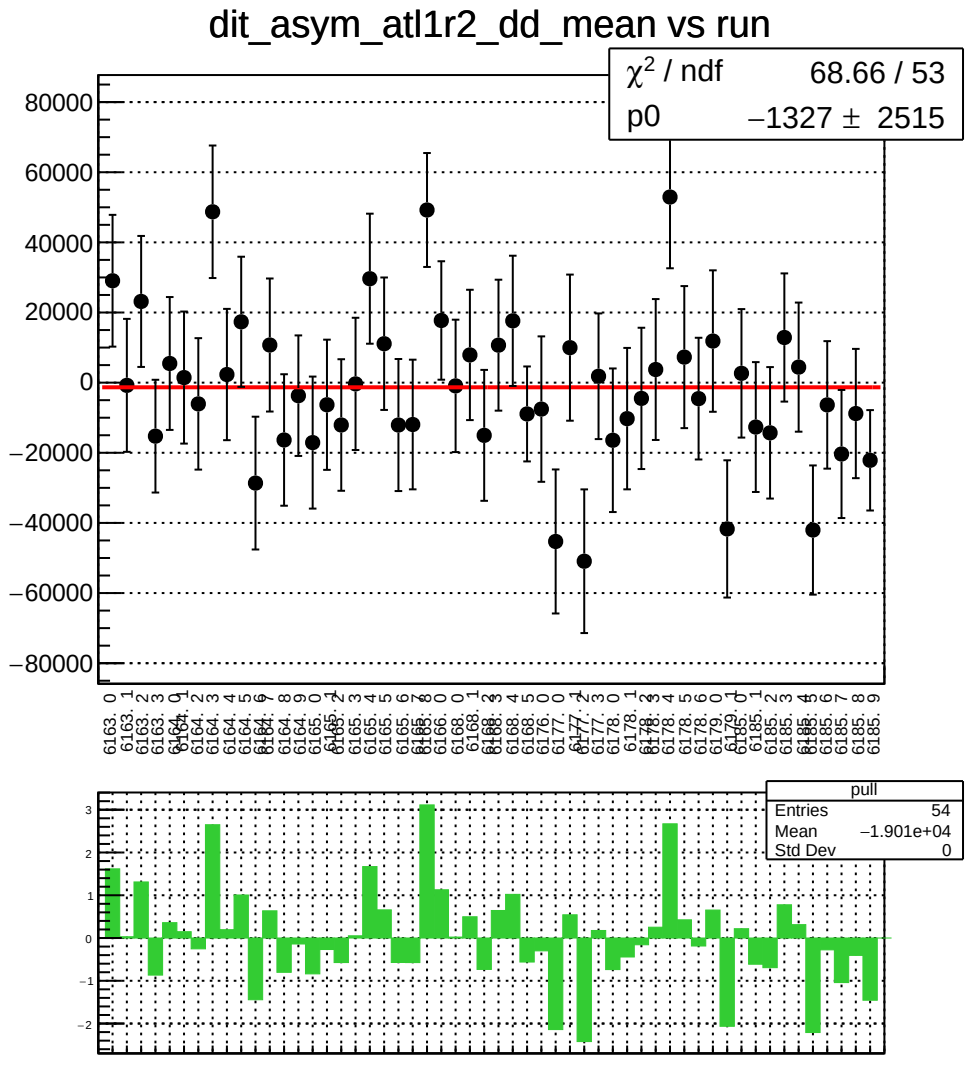
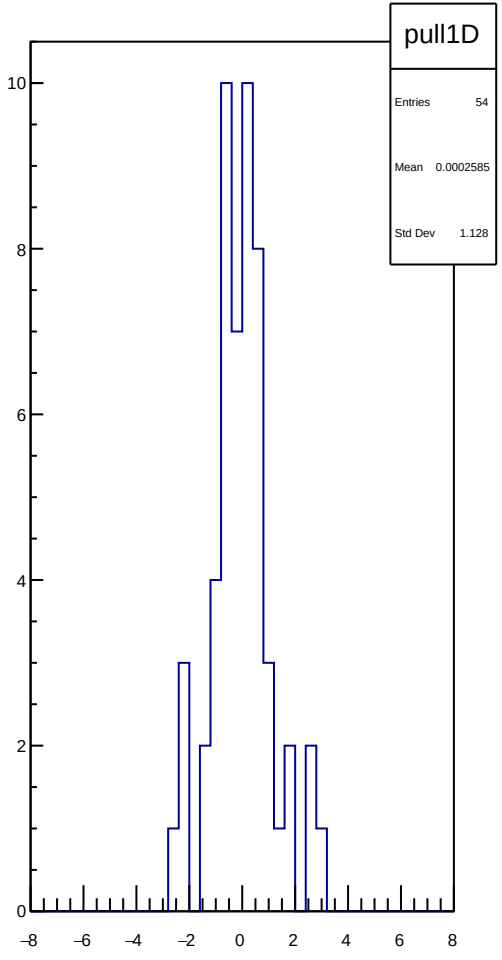
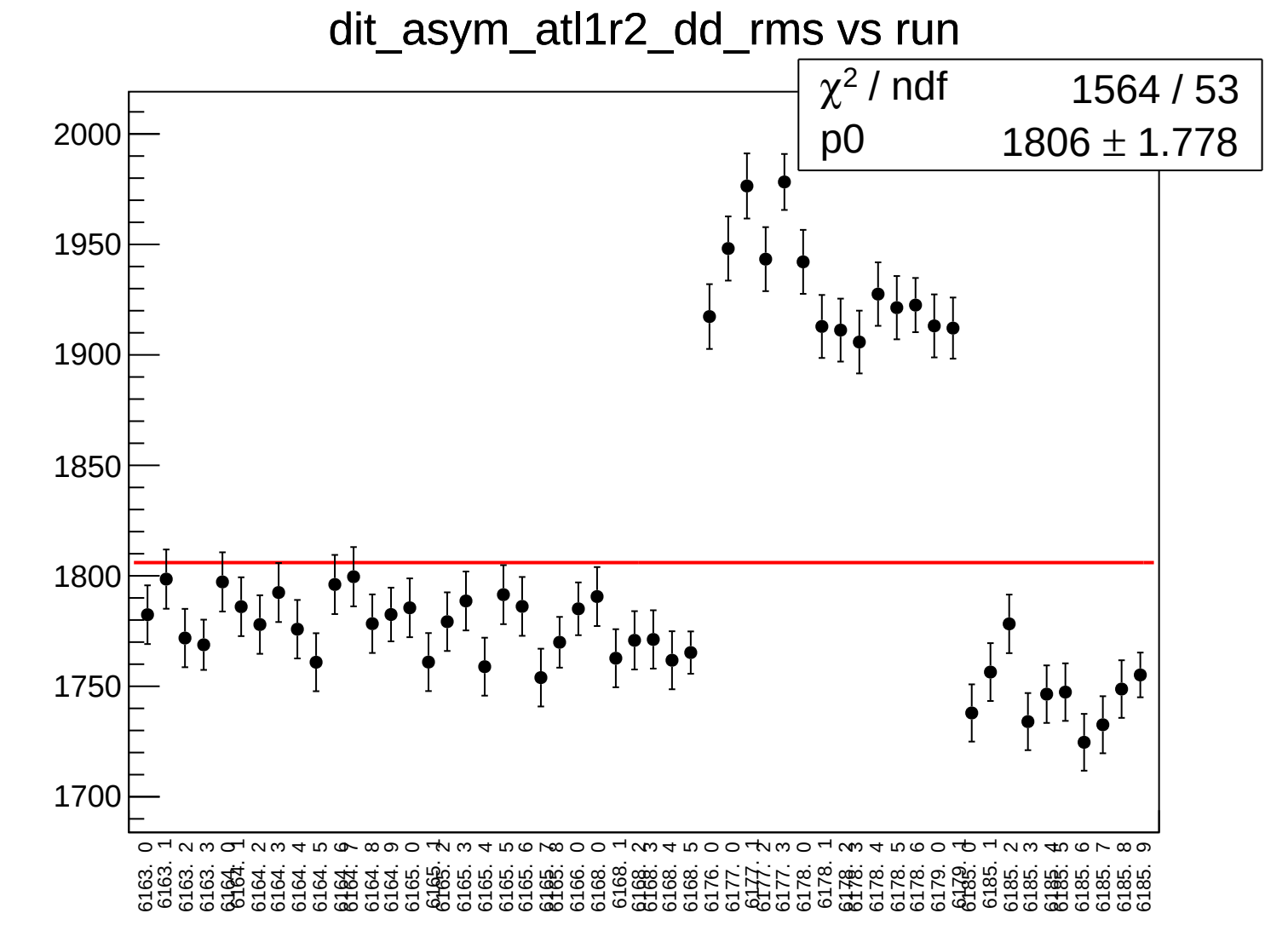
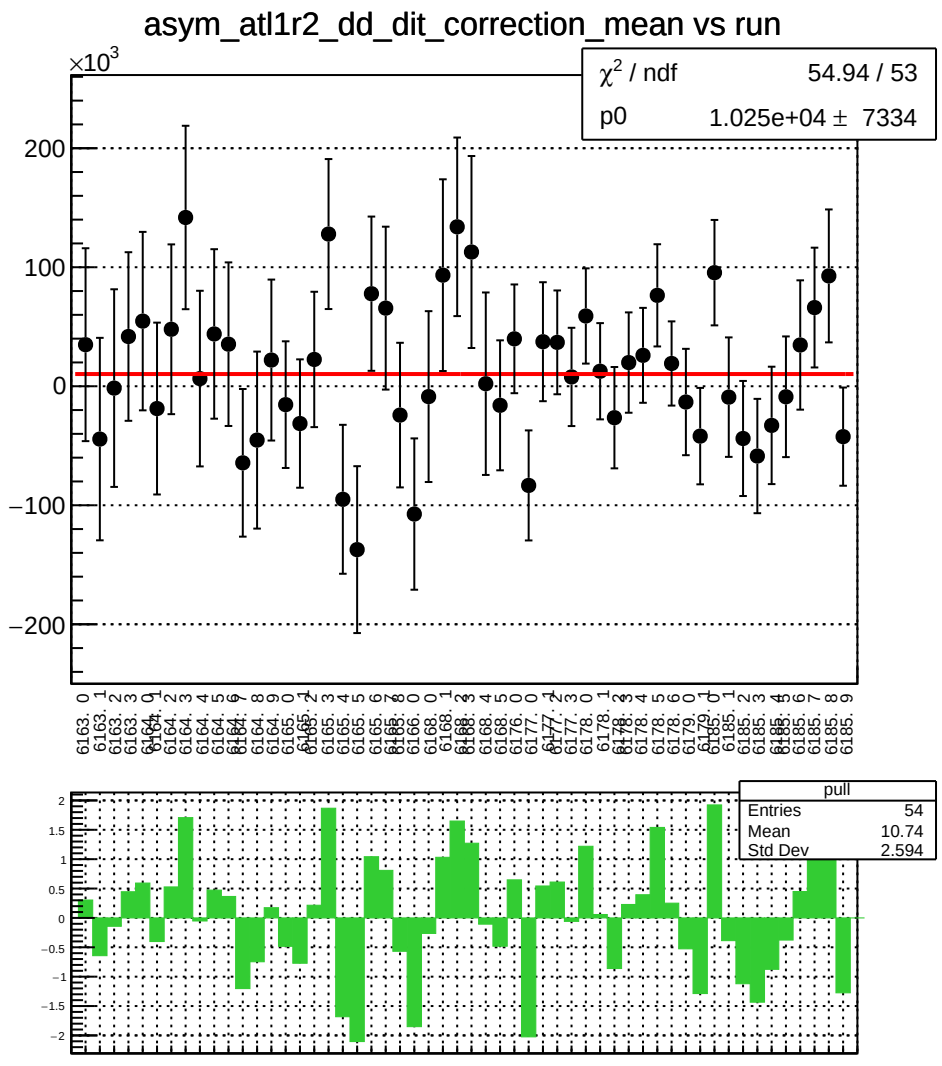
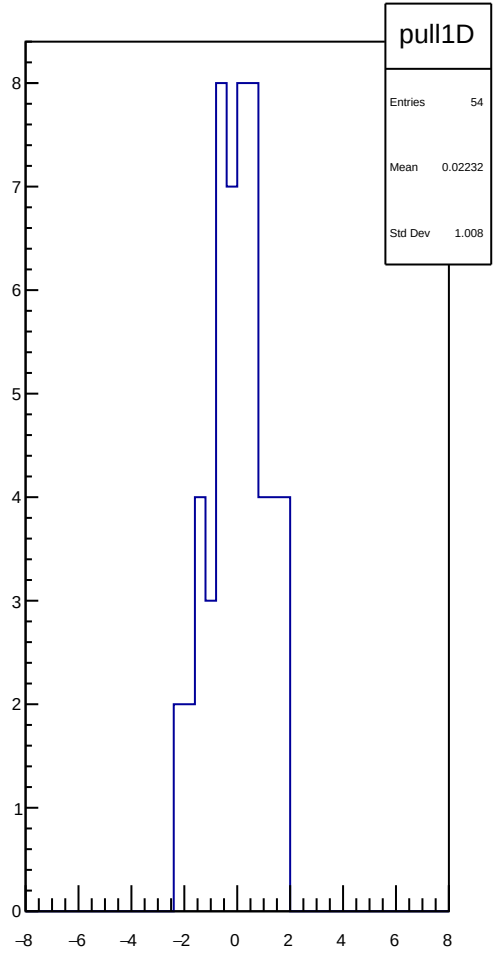
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


dit_asym_atl1r2_dd_mean vs run
χ² / ndf 68.66 / 53
p0 −1327 ± 2515
pull
Entries 54
Mean −1.901e+04
Std Dev 0


pull1D
Entries 54
Mean 0.0002585
Std Dev 1.128


dit_asym_atl1r2_dd_rms vs run
χ² / ndf 1564 / 53
p0 1806 ± 1.778
2000
1950
1900
1850
1800
1750
1700
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


asym_atl1r2_dd_dit_correction_mean vs run
×10^3
χ² / ndf 54.94 / 53
p0 1.025e+04 ± 7334
200
100
0
−100
−200
pull
Entries 54
Mean 10.74
Std Dev 2.594
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 54
Mean 0.02232
Std Dev 1.008
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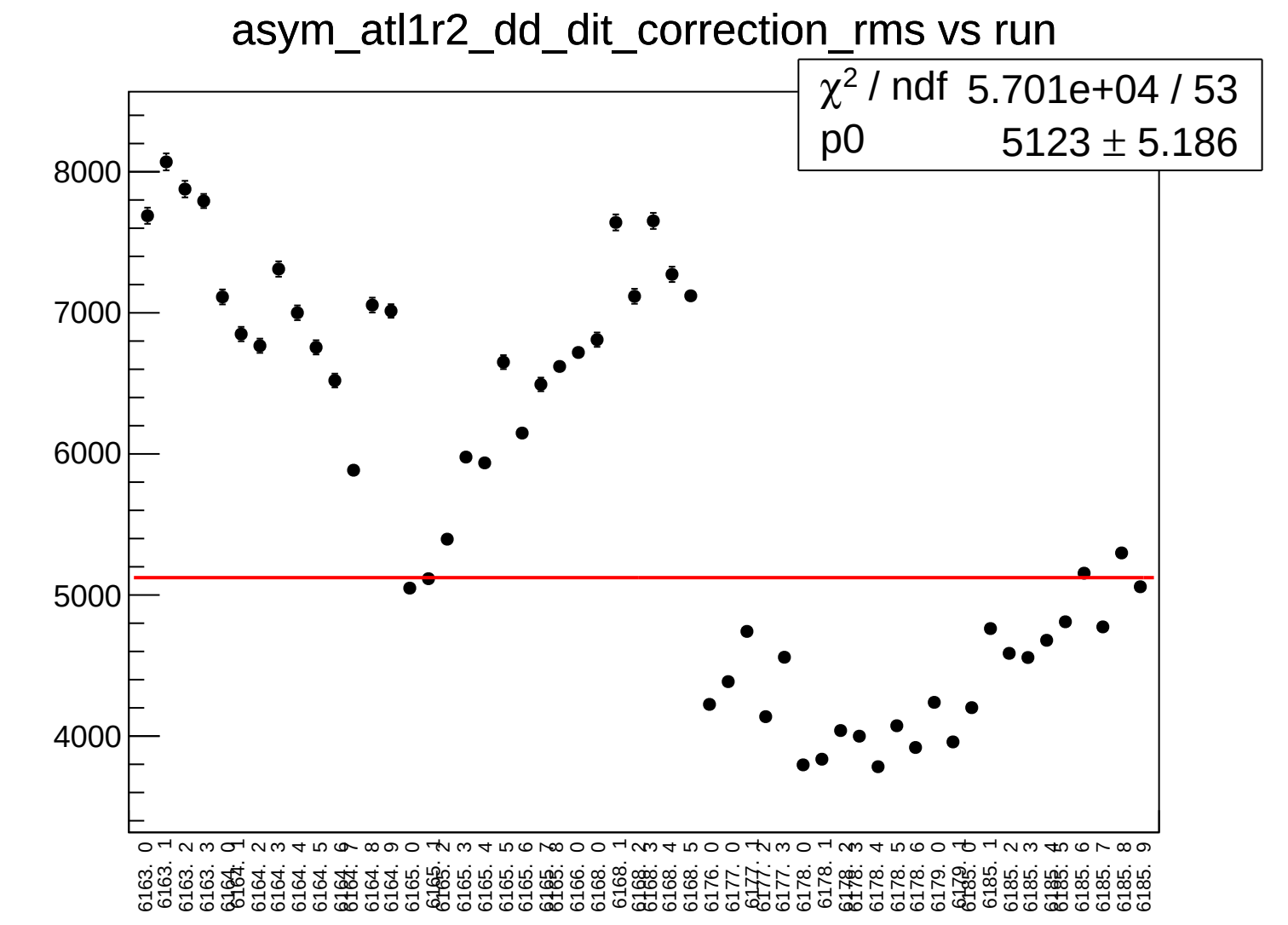
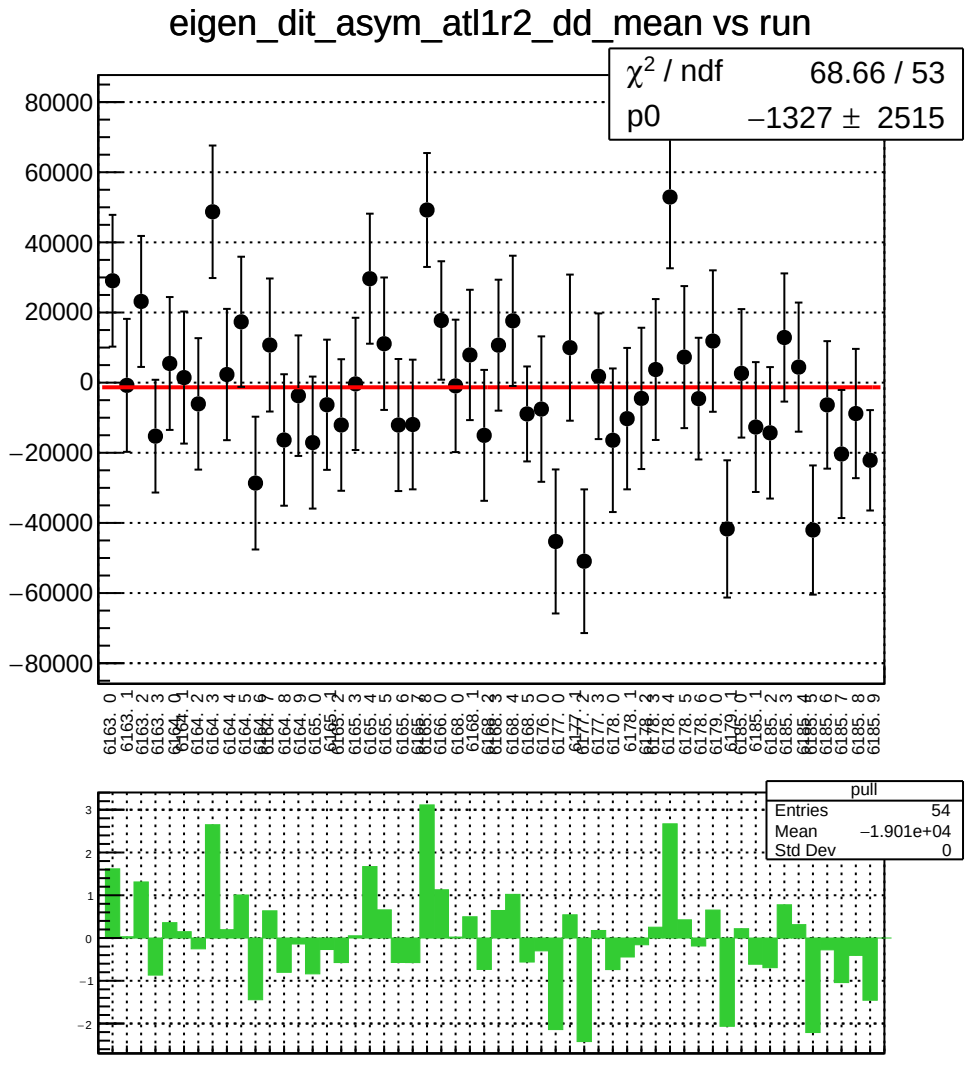
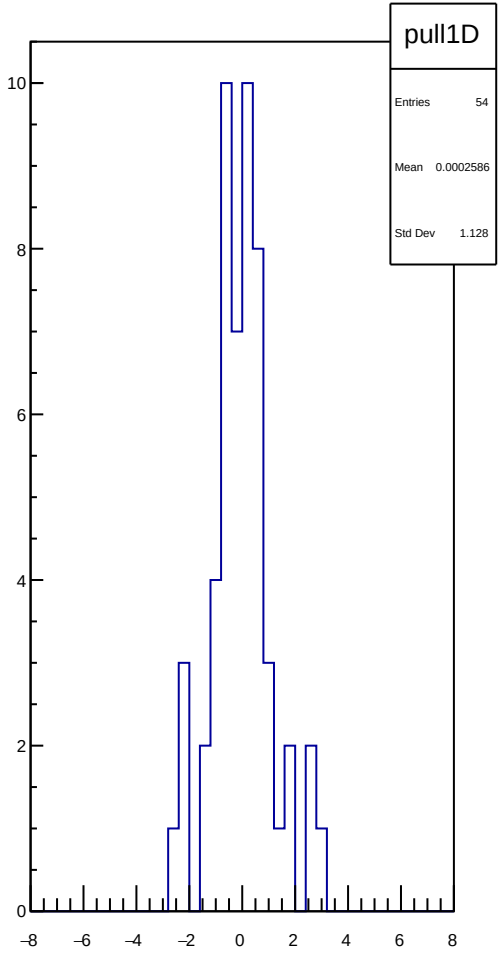
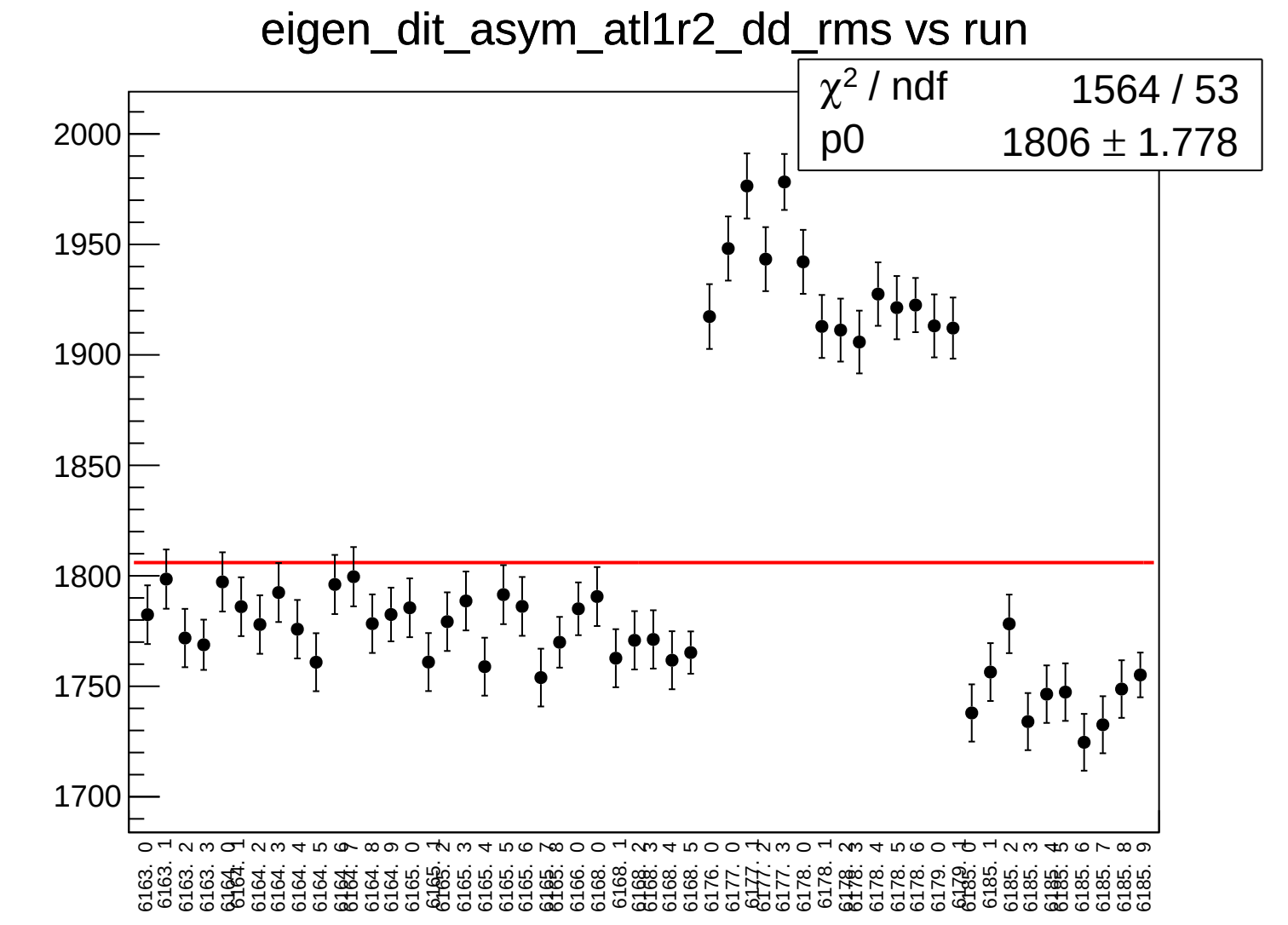
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl1r2_dd_dit_correction_rms vs run
χ² / ndf 5.701e+04 / 53
p0 5123 ± 5.186
8000
7000
6000
5000
4000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


eigen_dit_asym_atl1r2_dd_mean vs run
χ² / ndf 68.66 / 53
p0 −1327 ± 2515
pull
Entries 54
Mean −1.901e+04
Std Dev 0


pull1D
Entries 54
Mean 0.0002586
Std Dev 1.128


eigen_dit_asym_atl1r2_dd_rms vs run
χ² / ndf 1564 / 53
p0 1806 ± 1.778
2000
1950
1900
1850
1800
1750
1700
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
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6185. 2
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6185. 6
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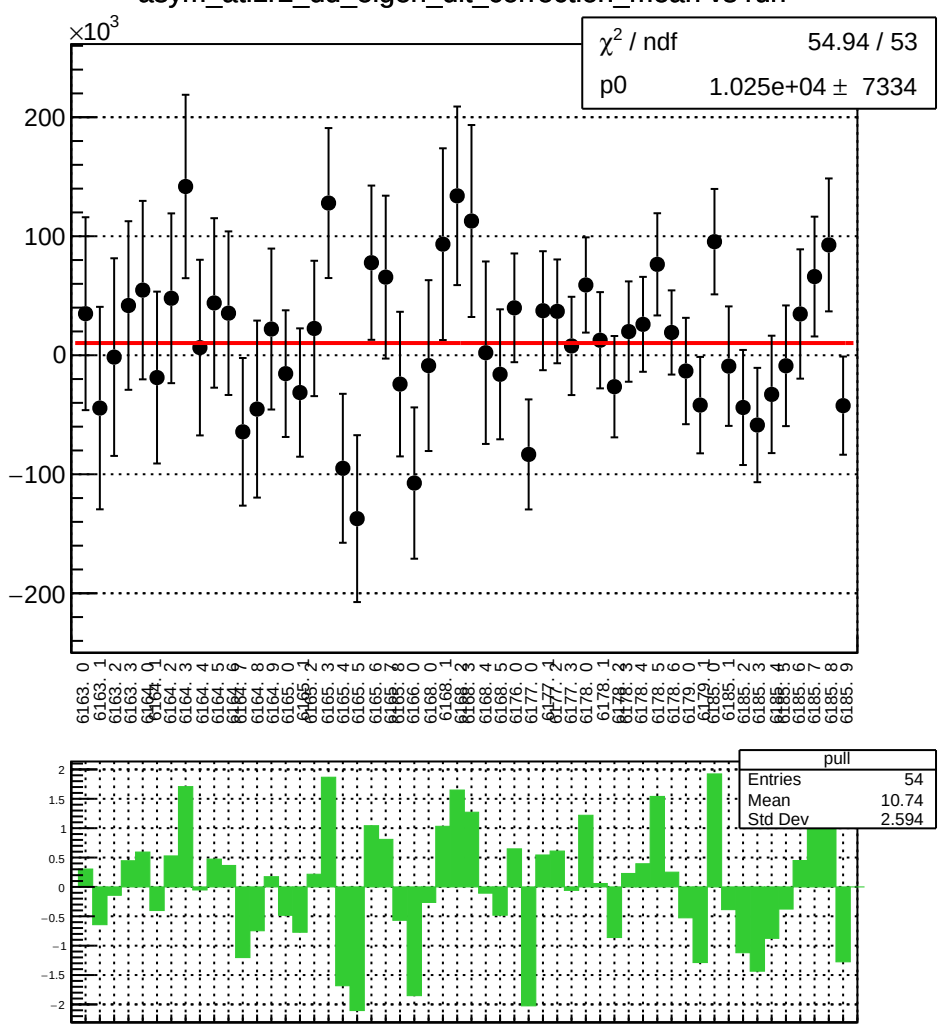
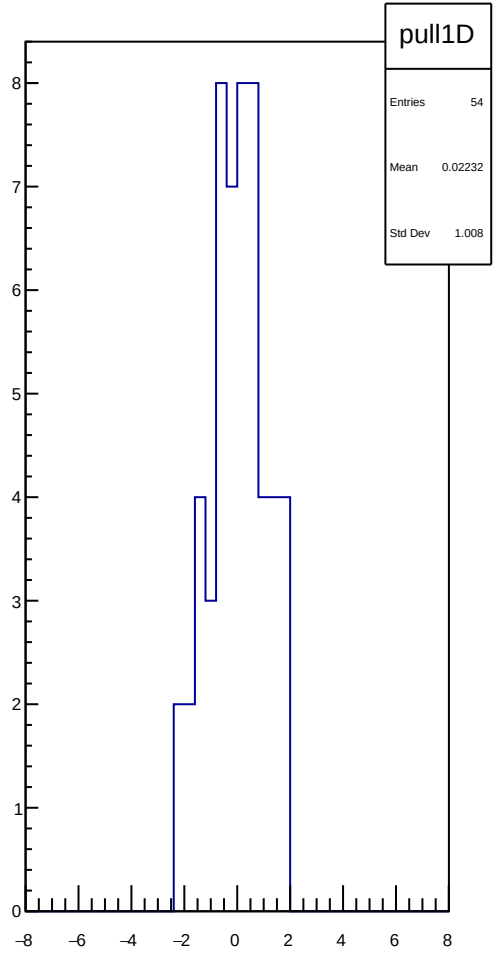
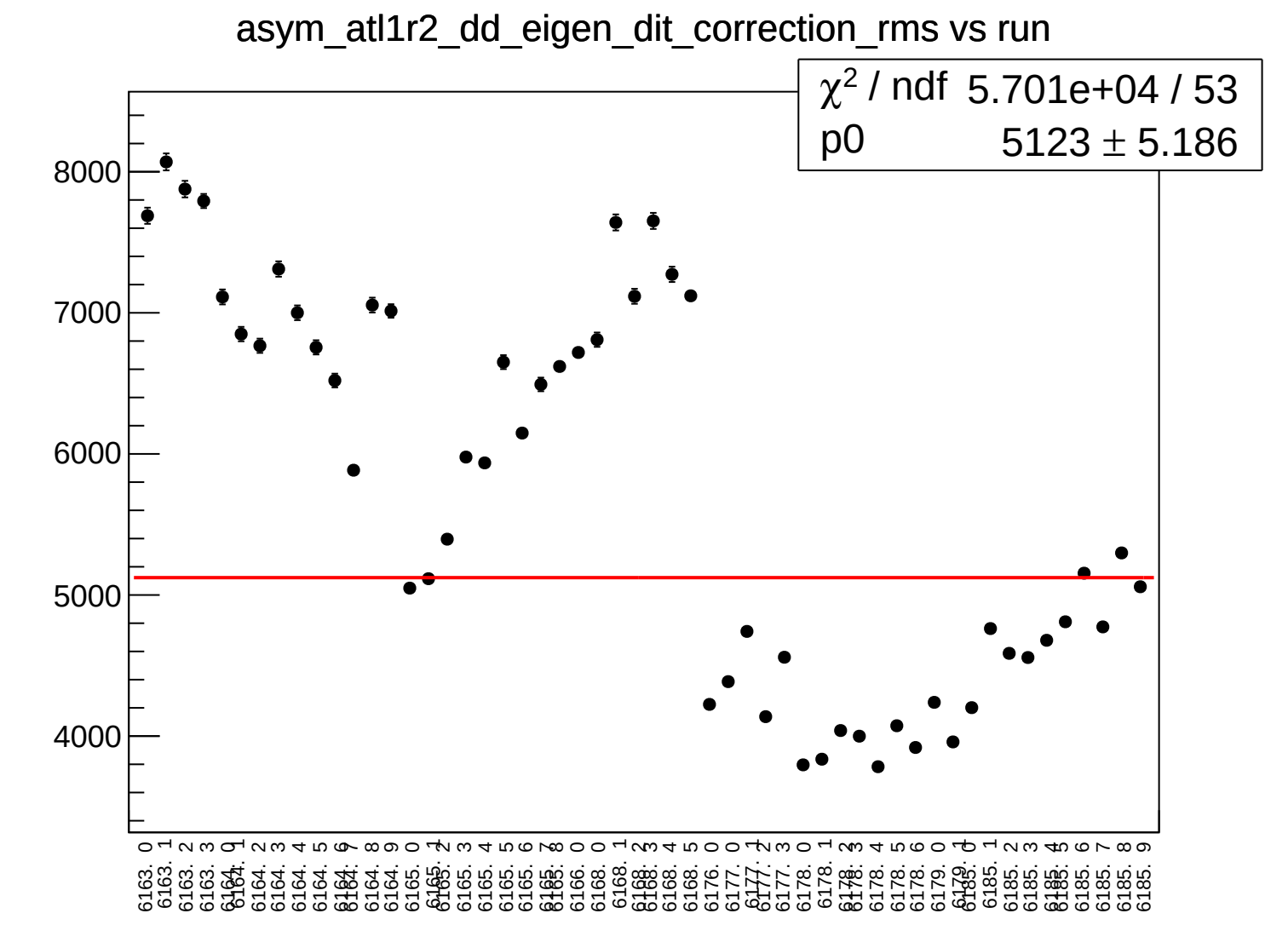
6185. 8
6185. 9


asym_atl1r2_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 54.94 / 53
p0 1.025e+04 ± 7334
200
100
0
−100
−200
pull
Entries 54
Mean 10.74
Std Dev 2.594
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 54
Mean 0.02232
Std Dev 1.008
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl1r2_dd_eigen_dit_correction_rms vs run
χ² / ndf 5.701e+04 / 53
p0 5123 ± 5.186
8000
7000
6000
5000
4000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
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6179. 0
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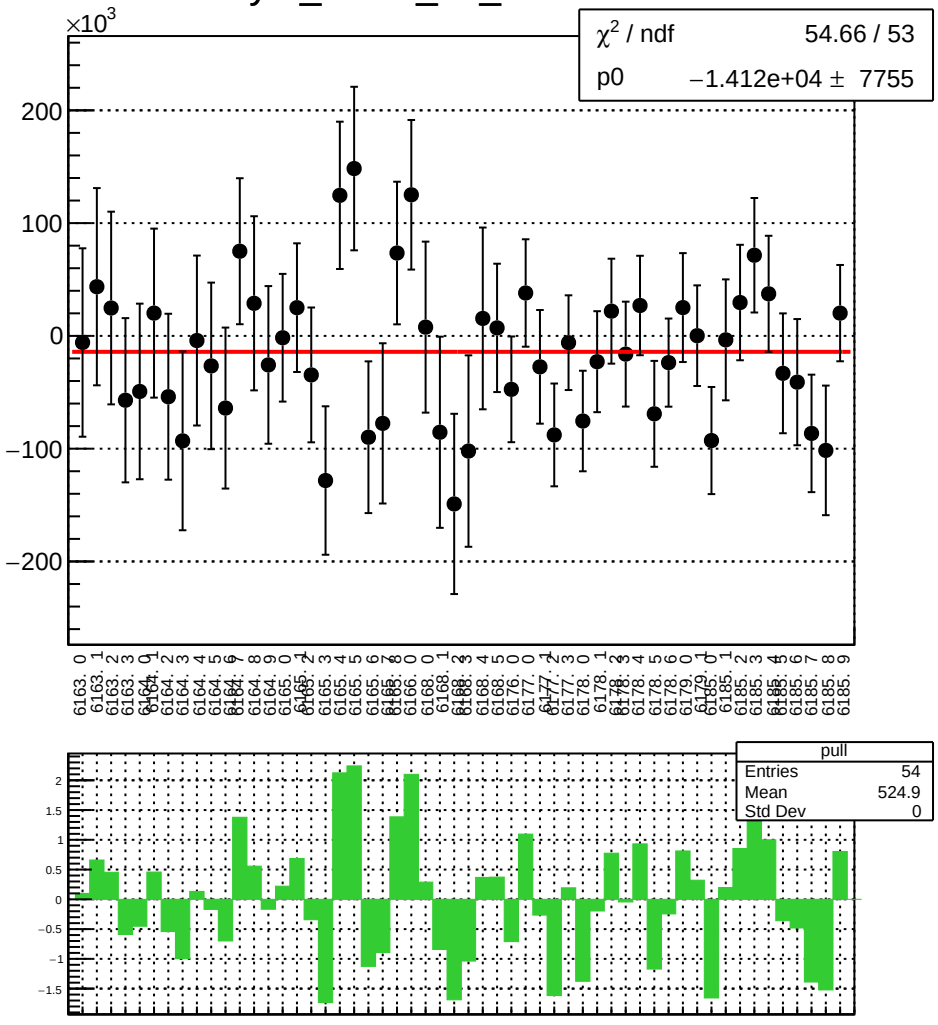
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


asym_atl1r2_dd_mean vs run
×10^3
χ² / ndf 54.66 / 53
p0 −1.412e+04 ± 7755
200
100
0
−100
−200
pull
Entries 54
Mean 524.9
Std Dev 0
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1.5
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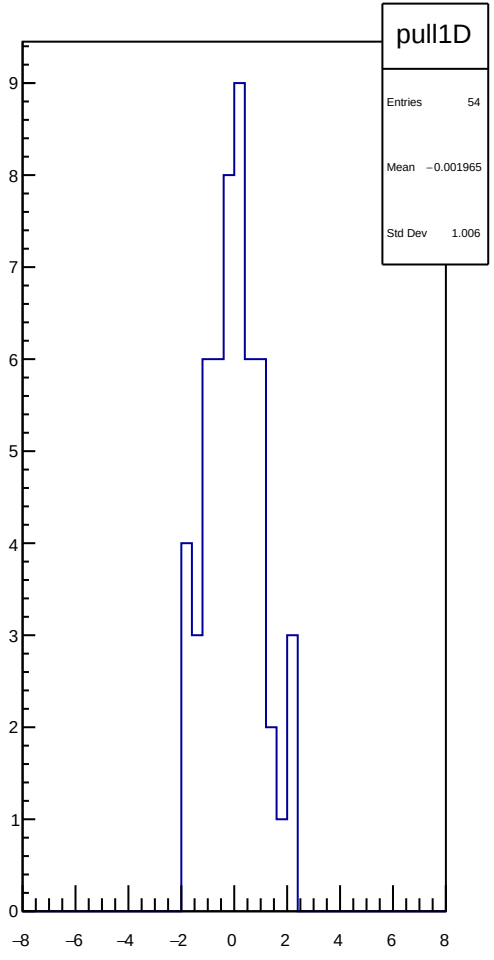
0.5
0
−0.5
−1
−1.5


pull1D
Entries 54
Mean −0.001965
Std Dev 1.006
9
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7
6
5
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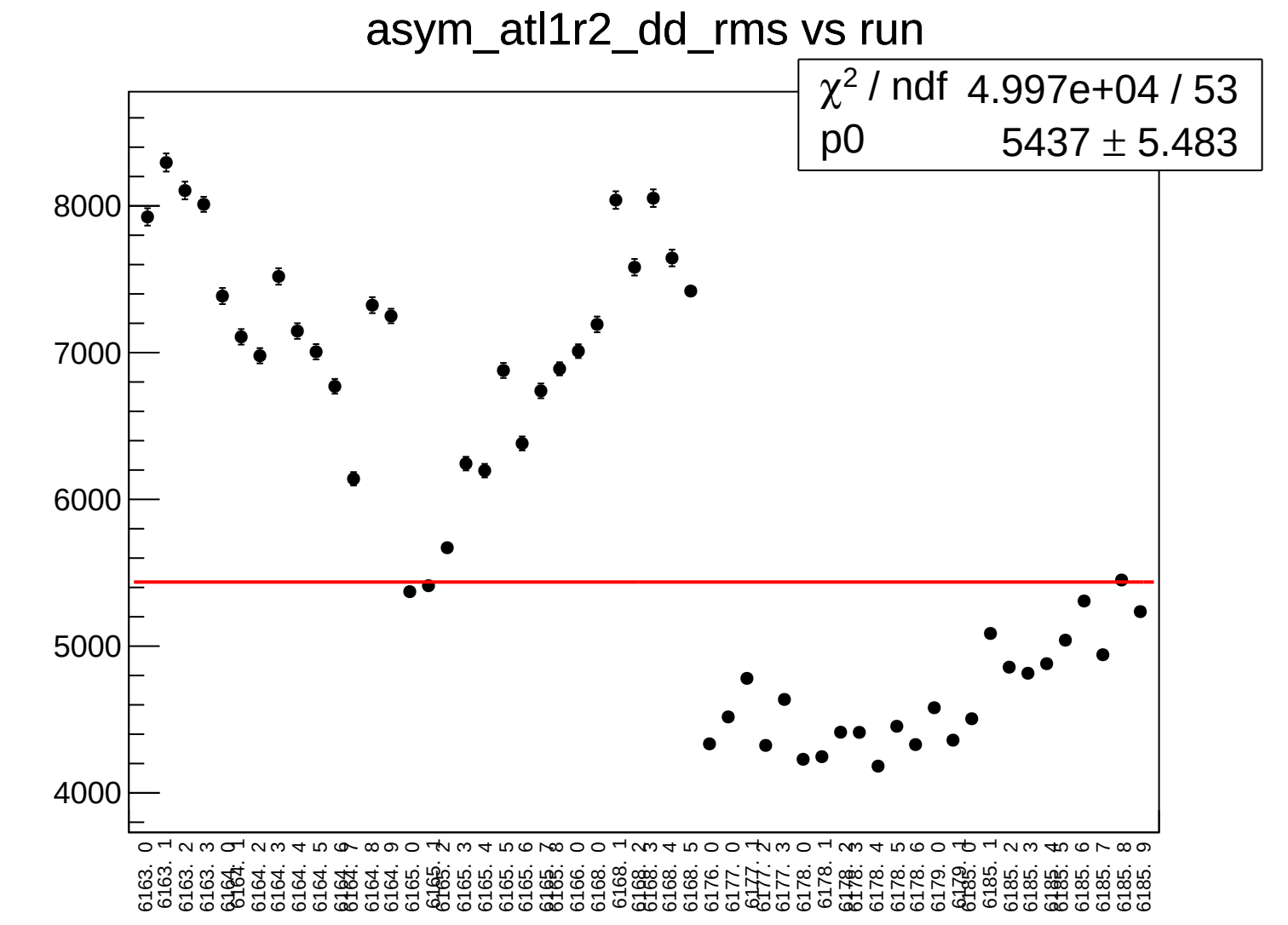
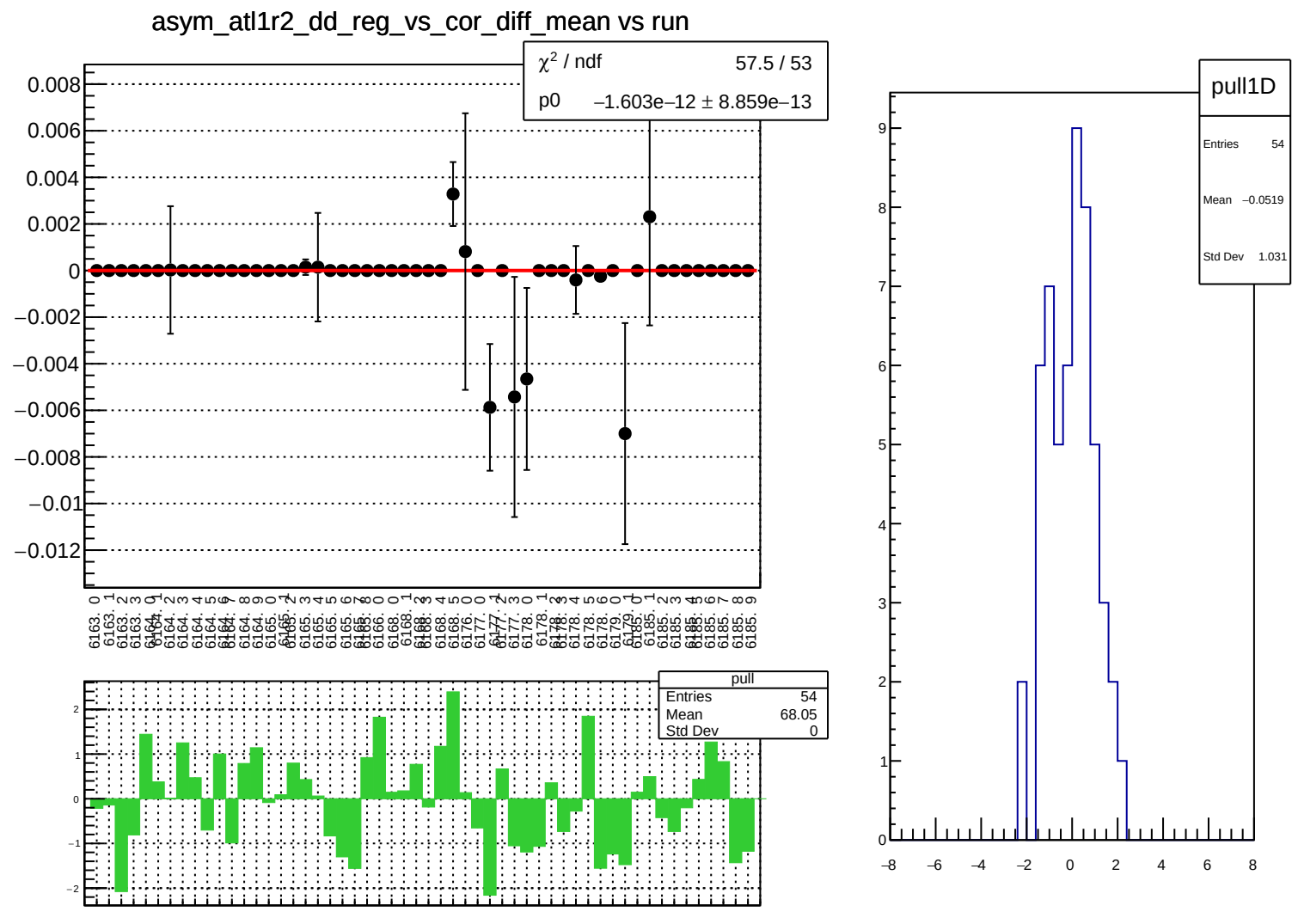
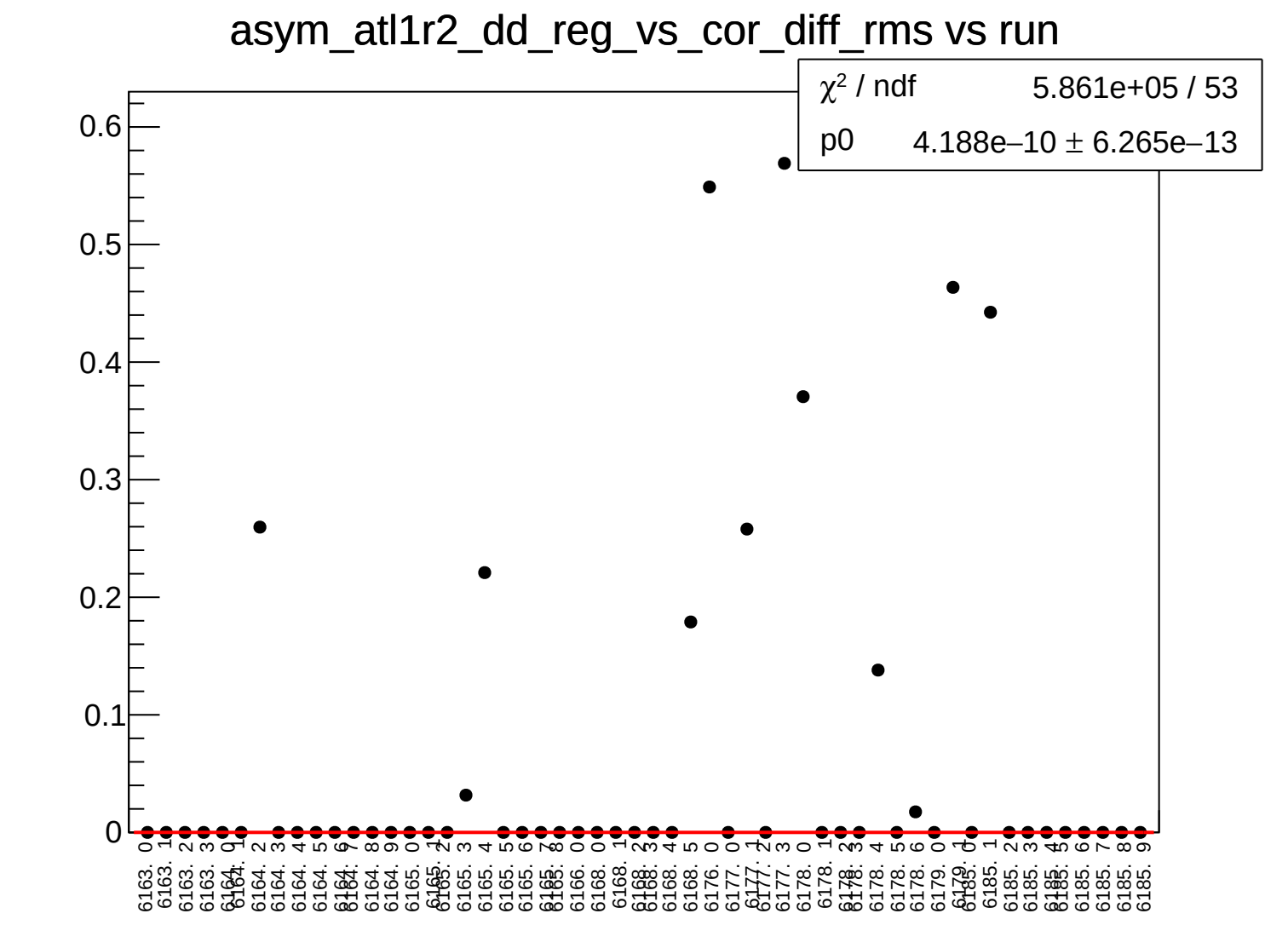
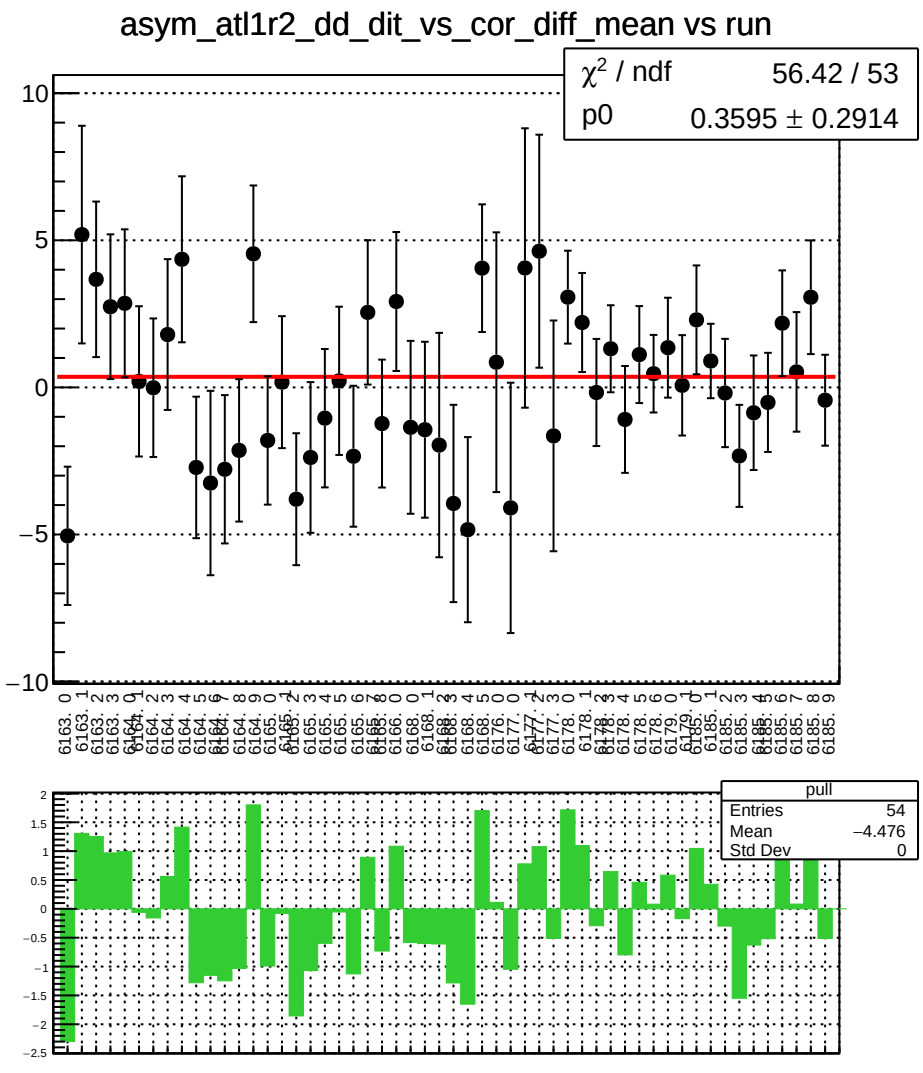
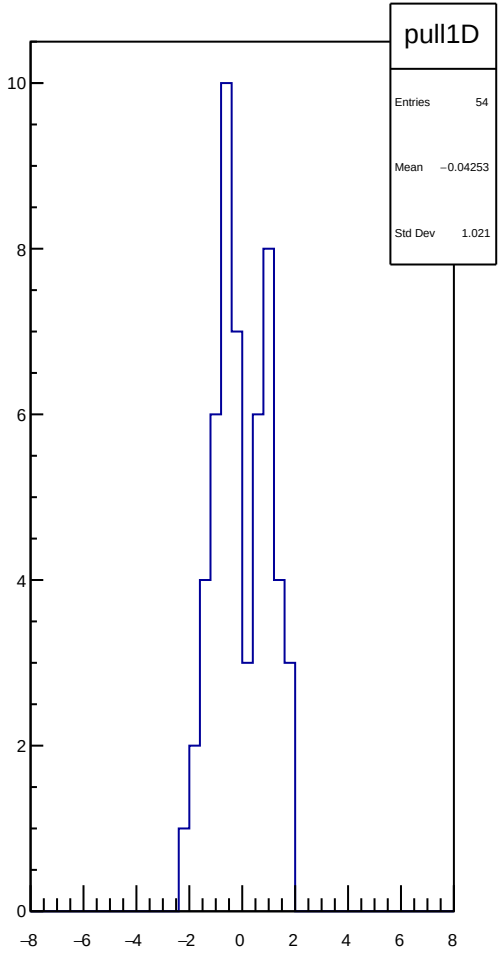
−4
−2
0
2
4
6
8

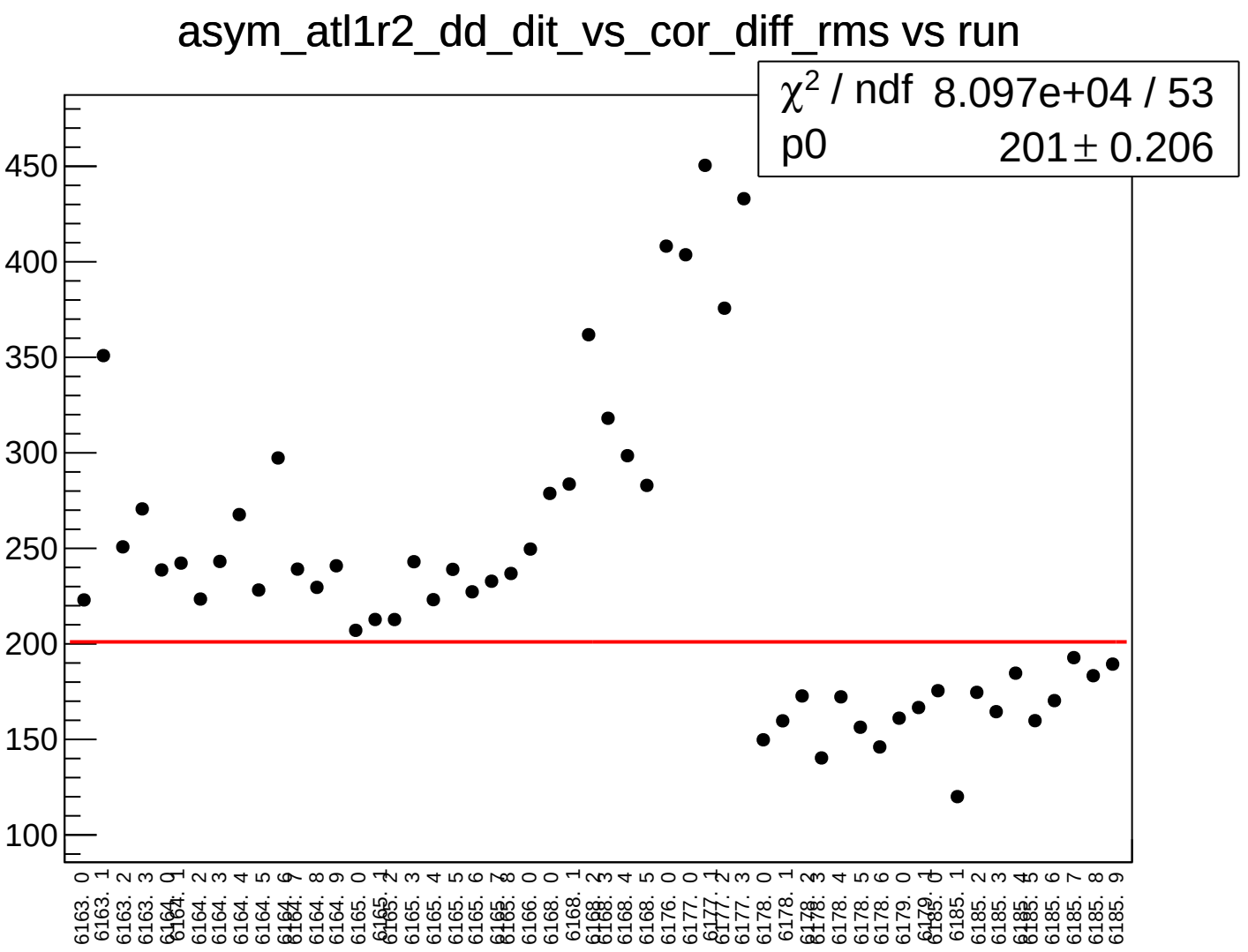

asym_atl1r2_dd_rms vs run
χ² / ndf 4.997e+04 / 53
p0 5437 ± 5.483
8000
7000
6000
5000
4000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

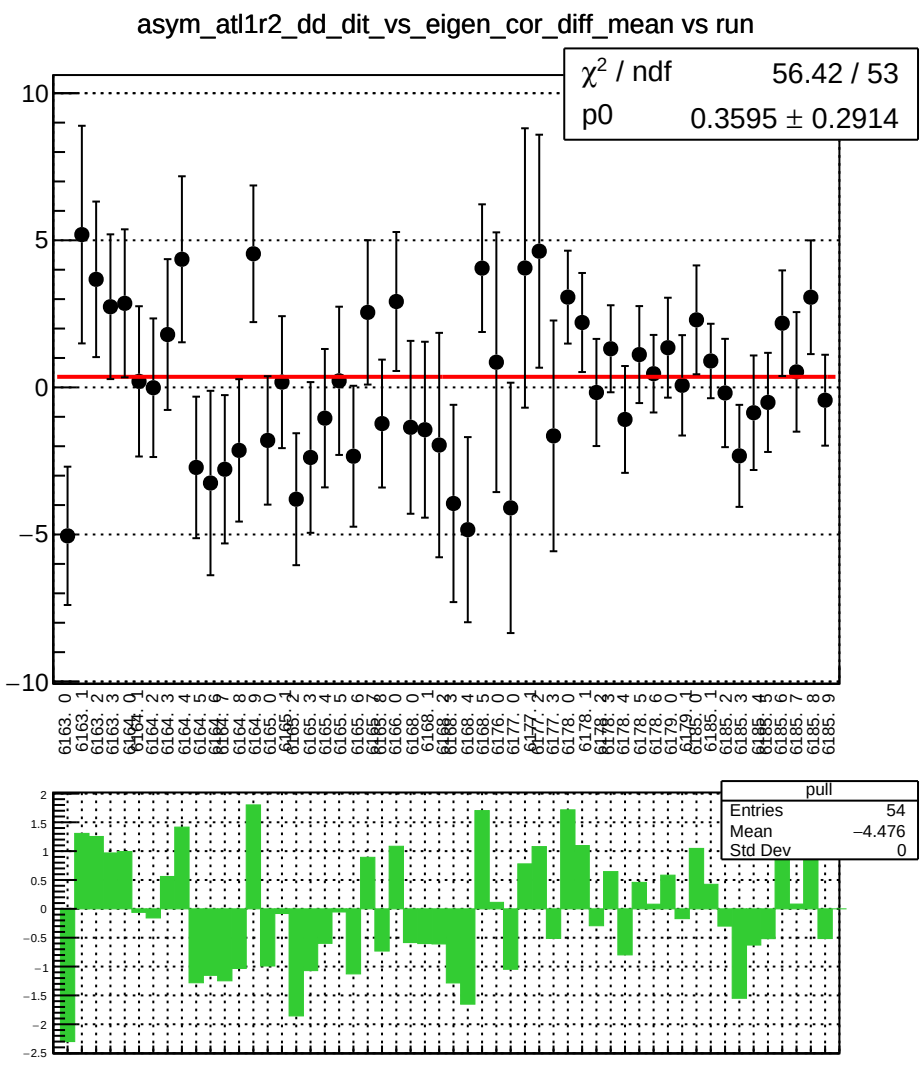

asym_atl1r2_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 57.5 / 53
p0 −1.603e−12 ± 8.859e−13
pull
Entries 54
Mean 68.05
Std Dev 0
pull1D
Entries 54
Mean −0.0519
Std Dev 1.031

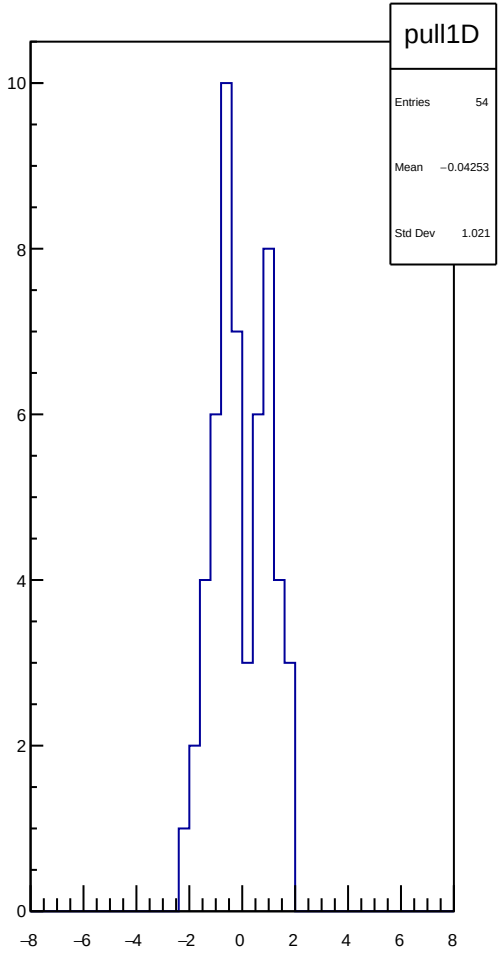

asym_atl1r2_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.861e+05 / 53
p0 4.188e−10 ± 6.265e−13
0.6
0.5
0.4
0.3
0.2
0.1
0
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

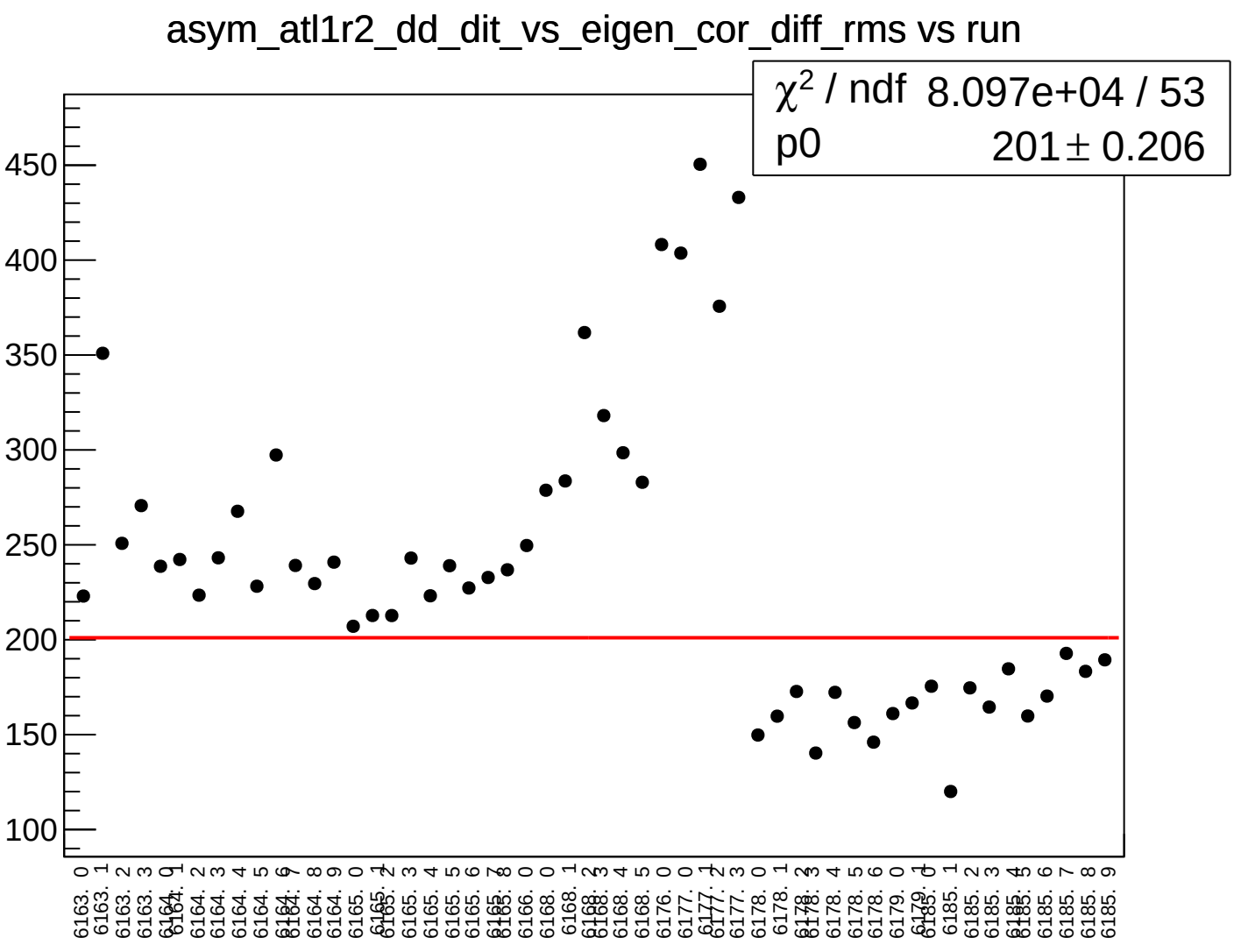

asym_atl1r2_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 56.42 / 53
p0 0.3595 ± 0.2914
pull
Entries 54
Mean −4.476
Std Dev 0

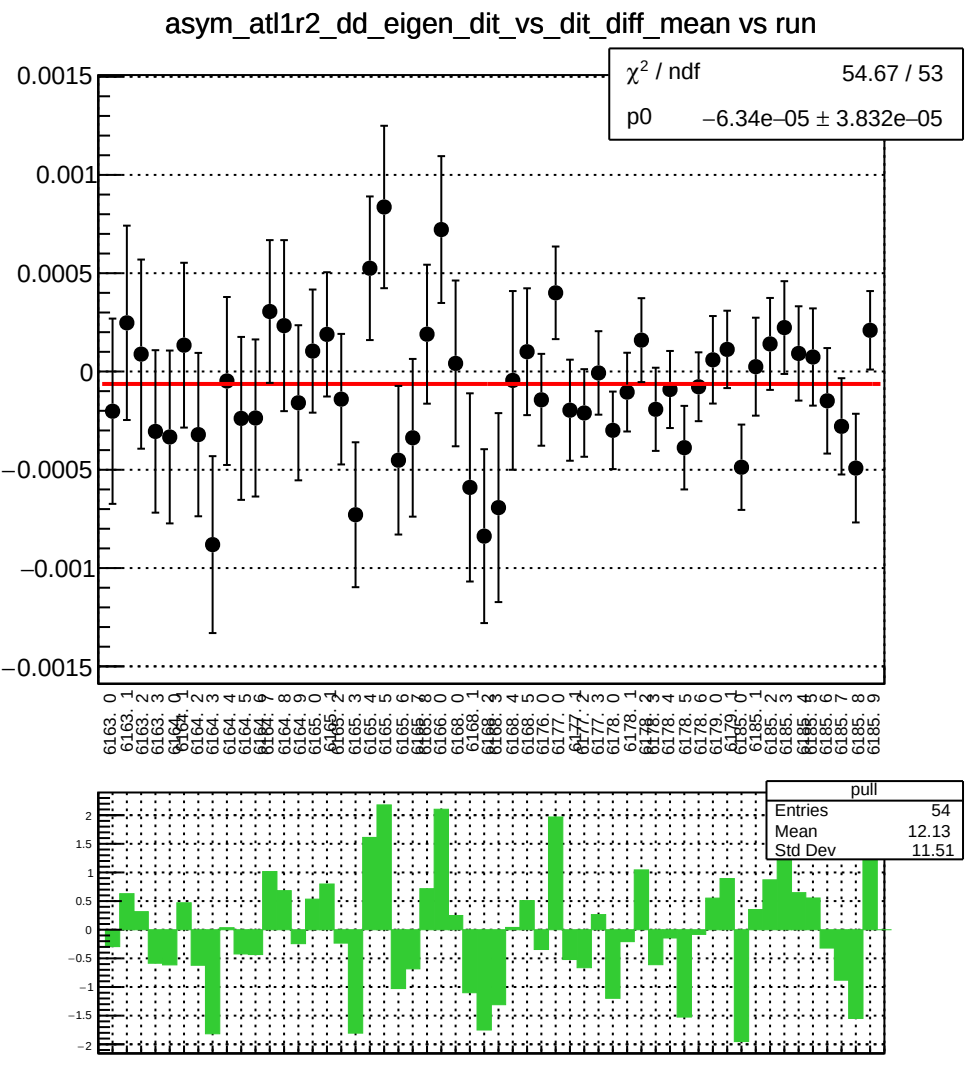

pull1D
Entries 54
Mean −0.04253
Std Dev 1.021

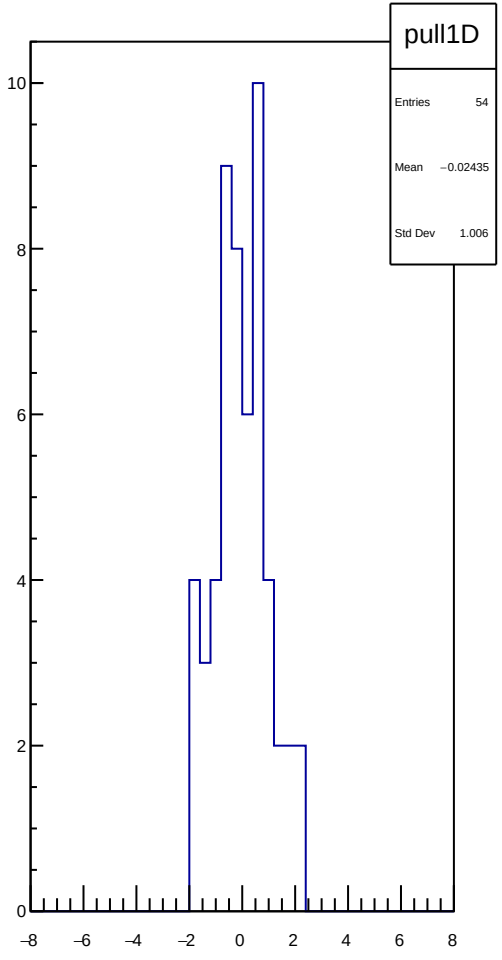

asym_atl1r2_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 8.097e+04 / 53
p0 201 ± 0.206
450
400
350
300
250
200
150
100
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

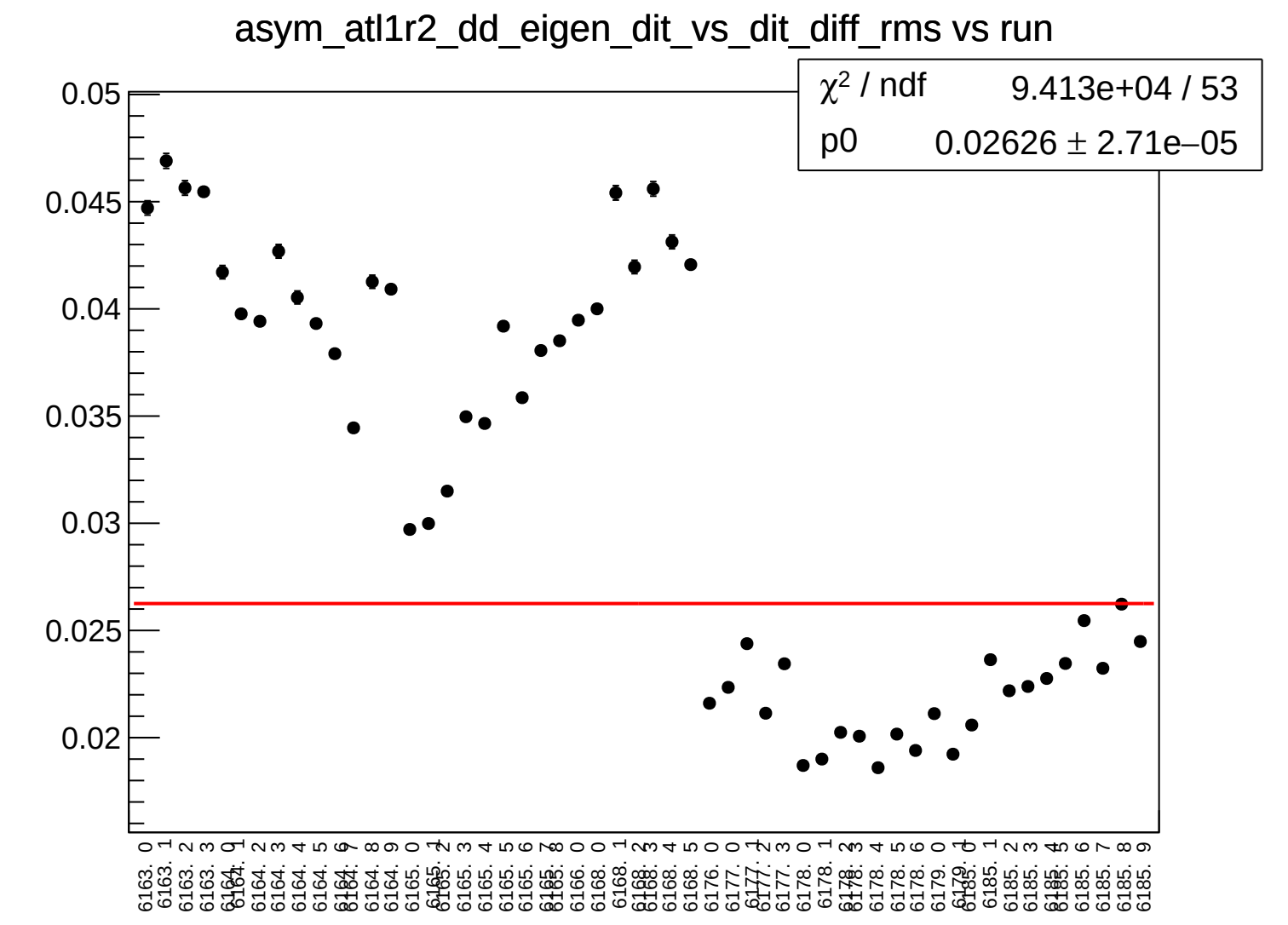

asym_atl1r2_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 56.42 / 53
p0 0.3595 ± 0.2914
pull
Entries 54
Mean −4.476
Std Dev 0

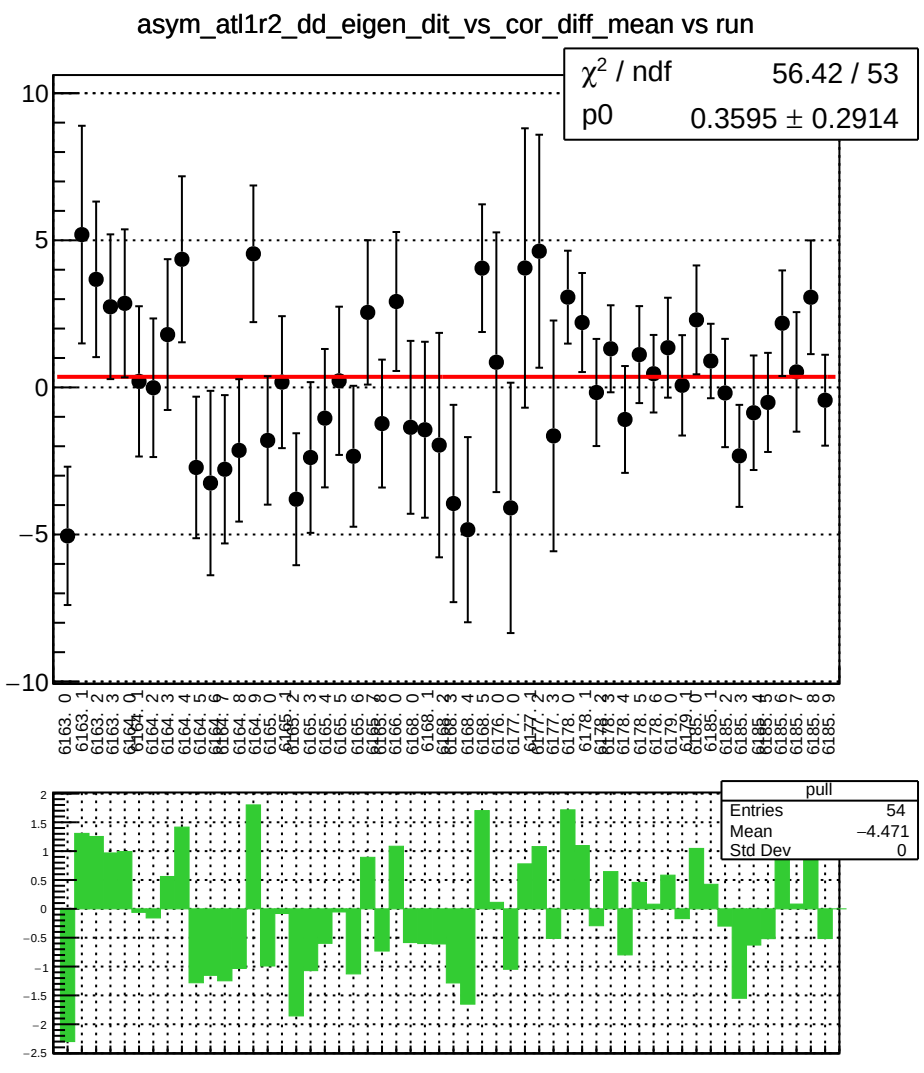

pull1D
Entries 54
Mean −0.04253
Std Dev 1.021

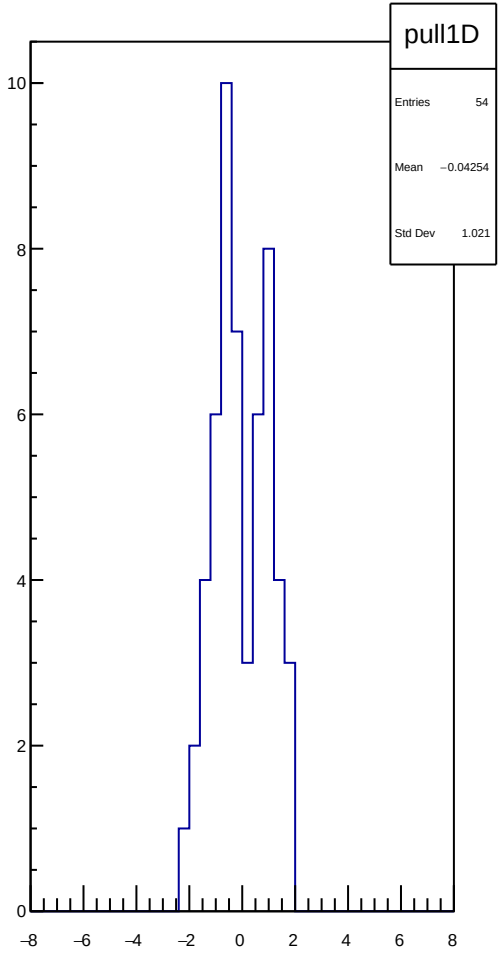

asym_atl1r2_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.097e+04 / 53
p0 201 ± 0.206
450
400
350
300
250
200
150
100
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

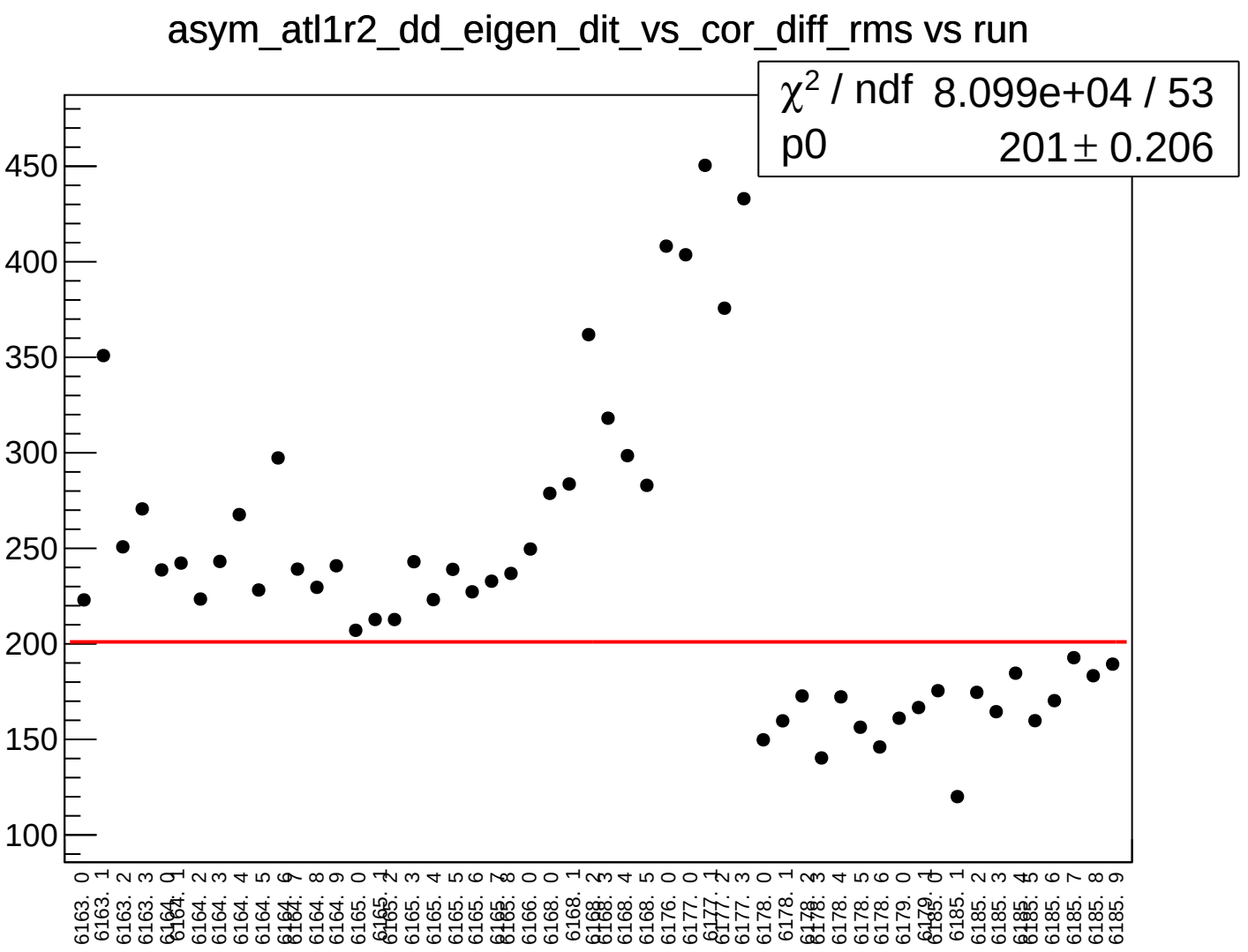

asym_atl1r2_dd_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 54.67 / 53
p0 −6.34e−05 ± 3.832e−05
pull
Entries 54
Mean 12.13
Std Dev 11.51

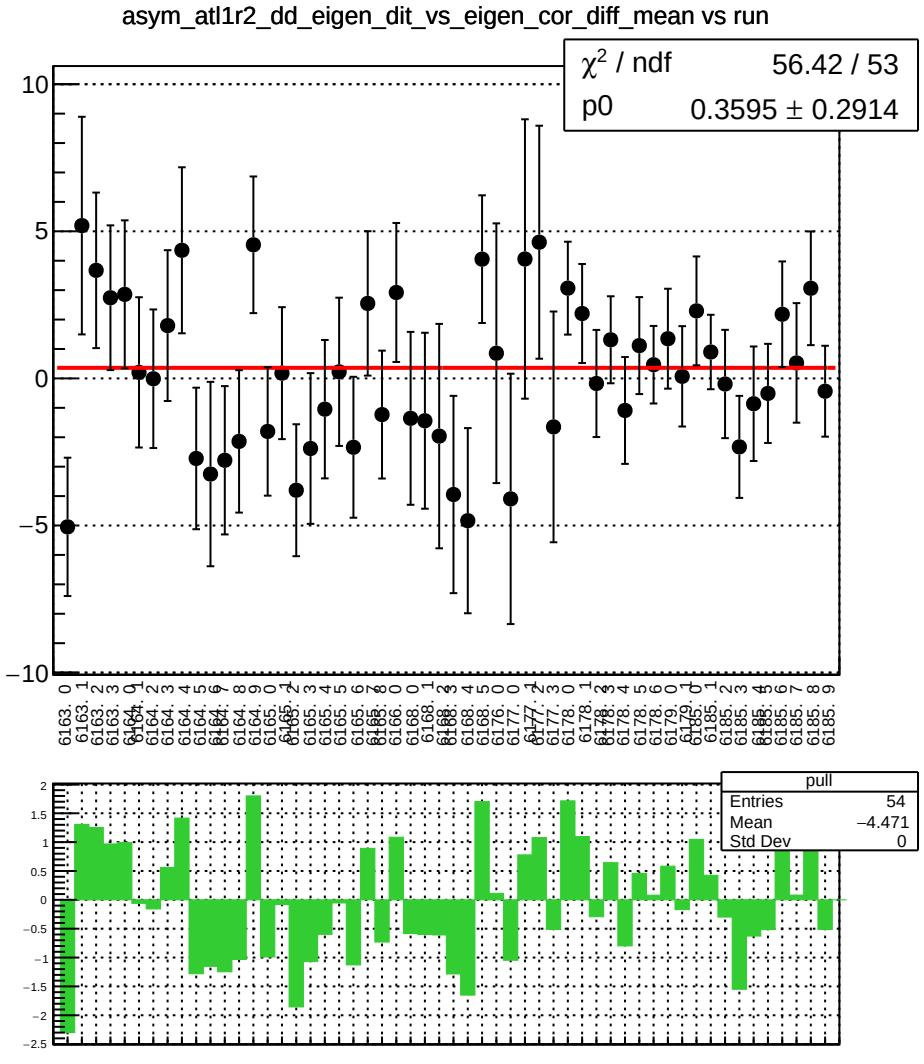

pull1D
Entries 54
Mean −0.02435
Std Dev 1.006

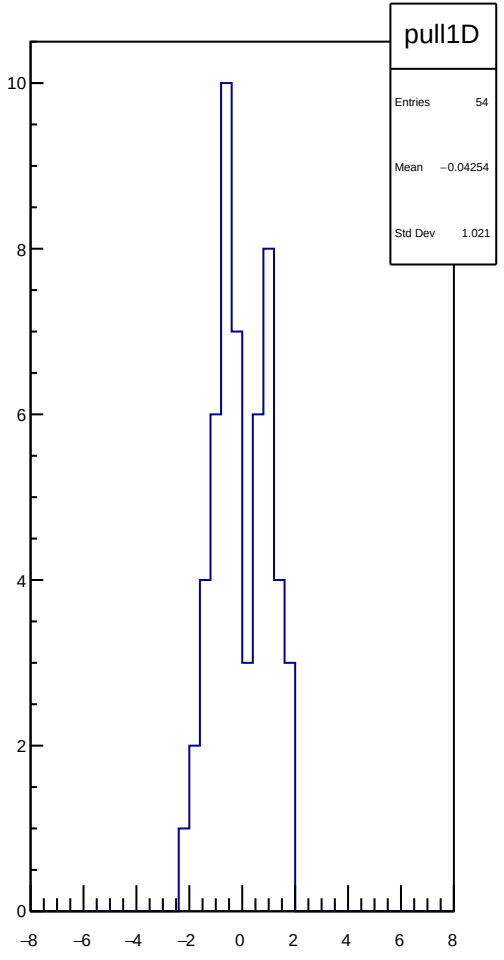

asym_atl1r2_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 9.413e+04 / 53
p0 0.02626 ± 2.71e−05
0.05
0.045
0.04
0.035
0.03
0.025
0.02
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

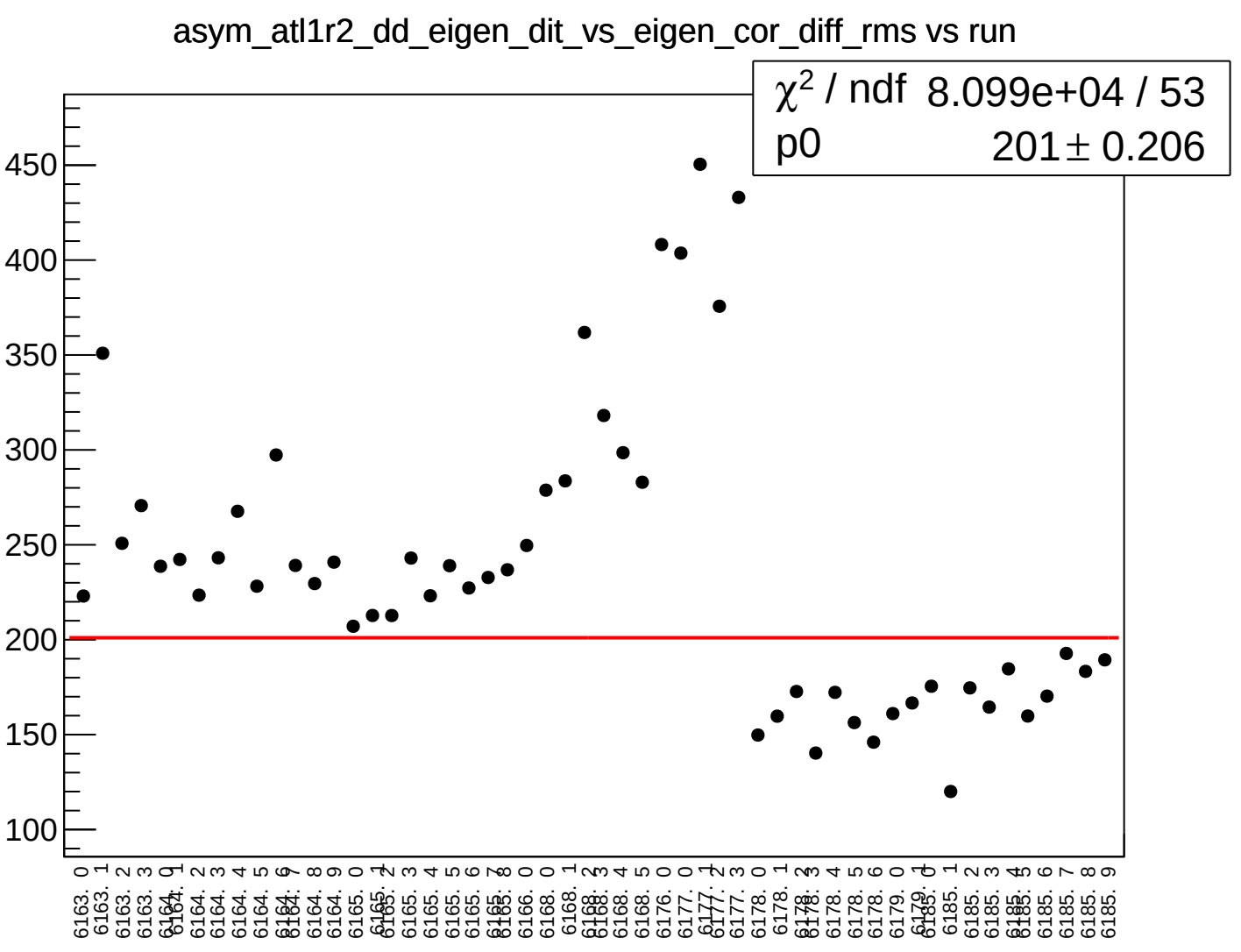

asym_atl1r2_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 56.42 / 53
p0 0.3595 ± 0.2914
pull
Entries 54
Mean −4.471
Std Dev 0

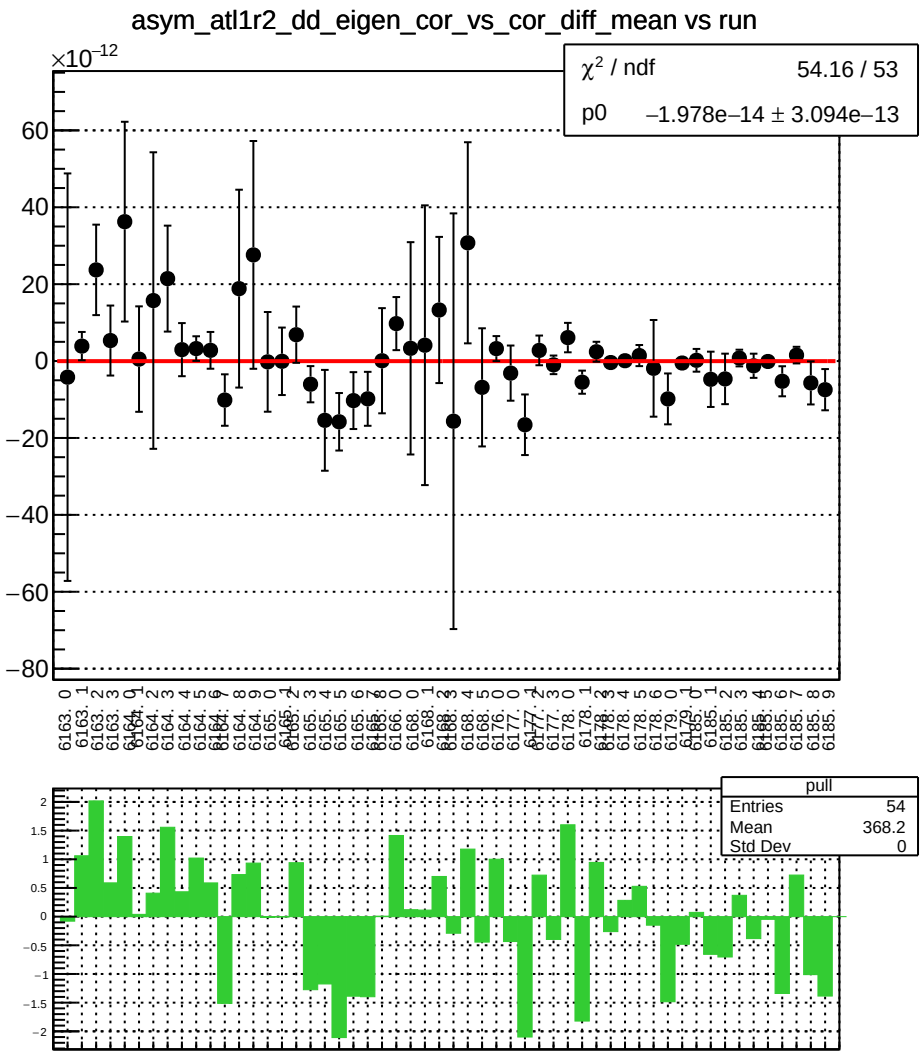

pull1D
Entries 54
Mean −0.04254
Std Dev 1.021

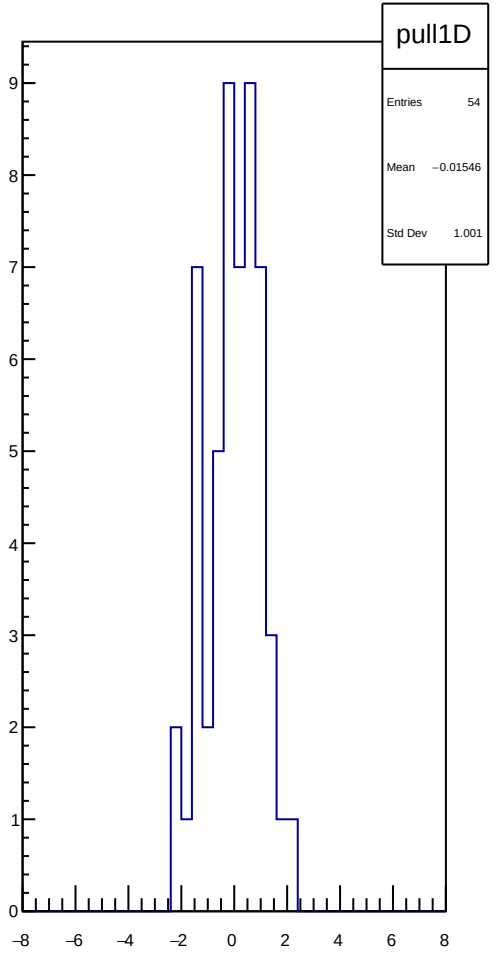

asym_atl1r2_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 8.099e+04 / 53
p0 201 ± 0.206
450
400
350
300
250
200
150
100
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

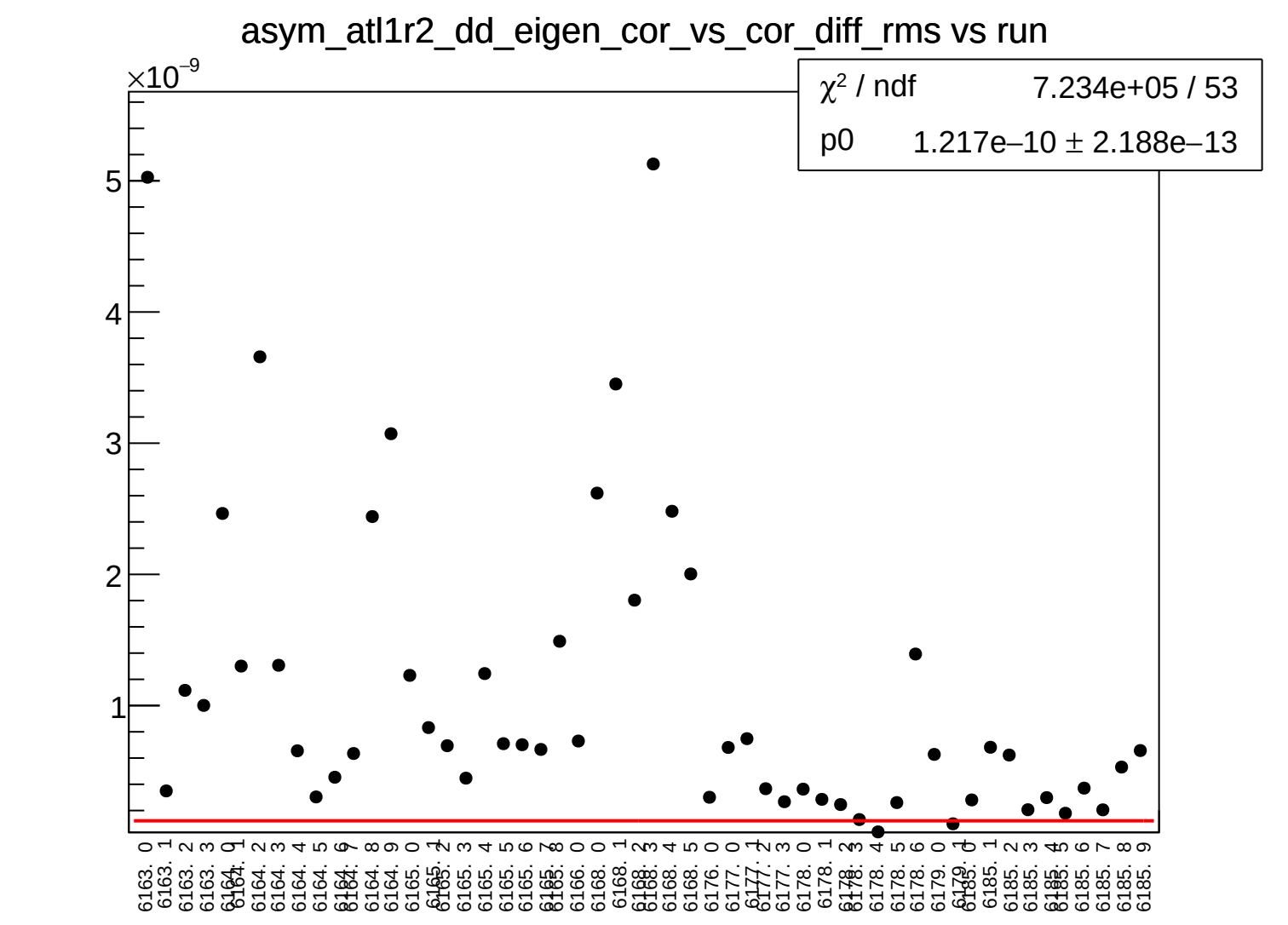

asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 56.42 / 53
p0 0.3595 ± 0.2914
pull
Entries 54
Mean −4.471
Std Dev 0

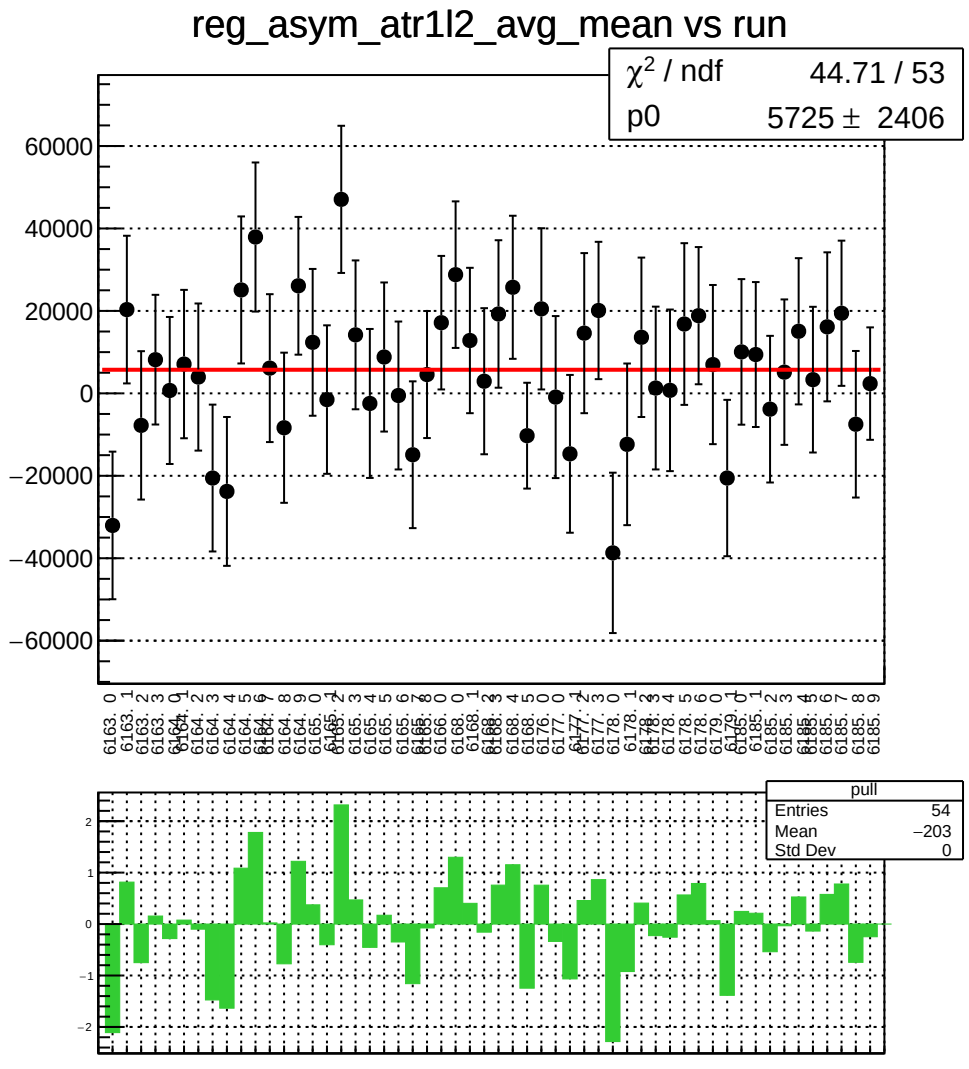

pull1D
Entries 54
Mean −0.04254
Std Dev 1.021

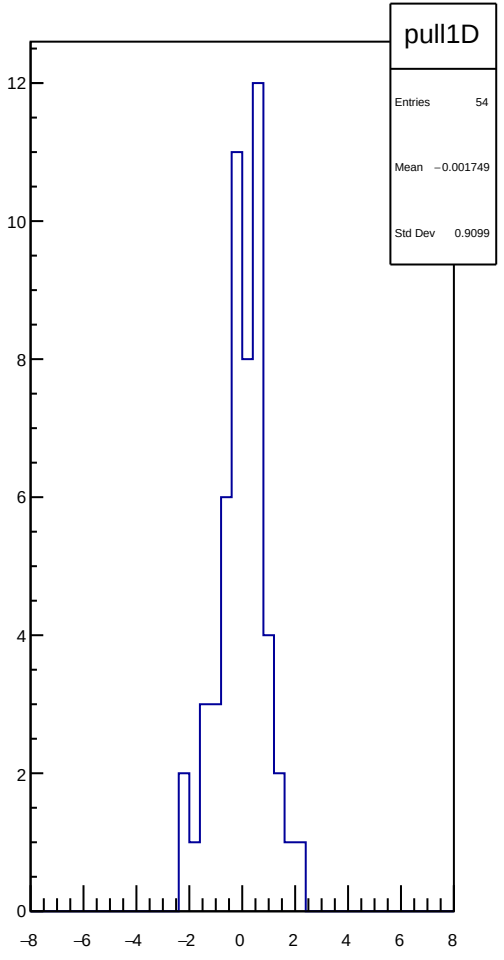

asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.099e+04 / 53
p0 201 ± 0.206
450
400
350
300
250
200
150
100
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

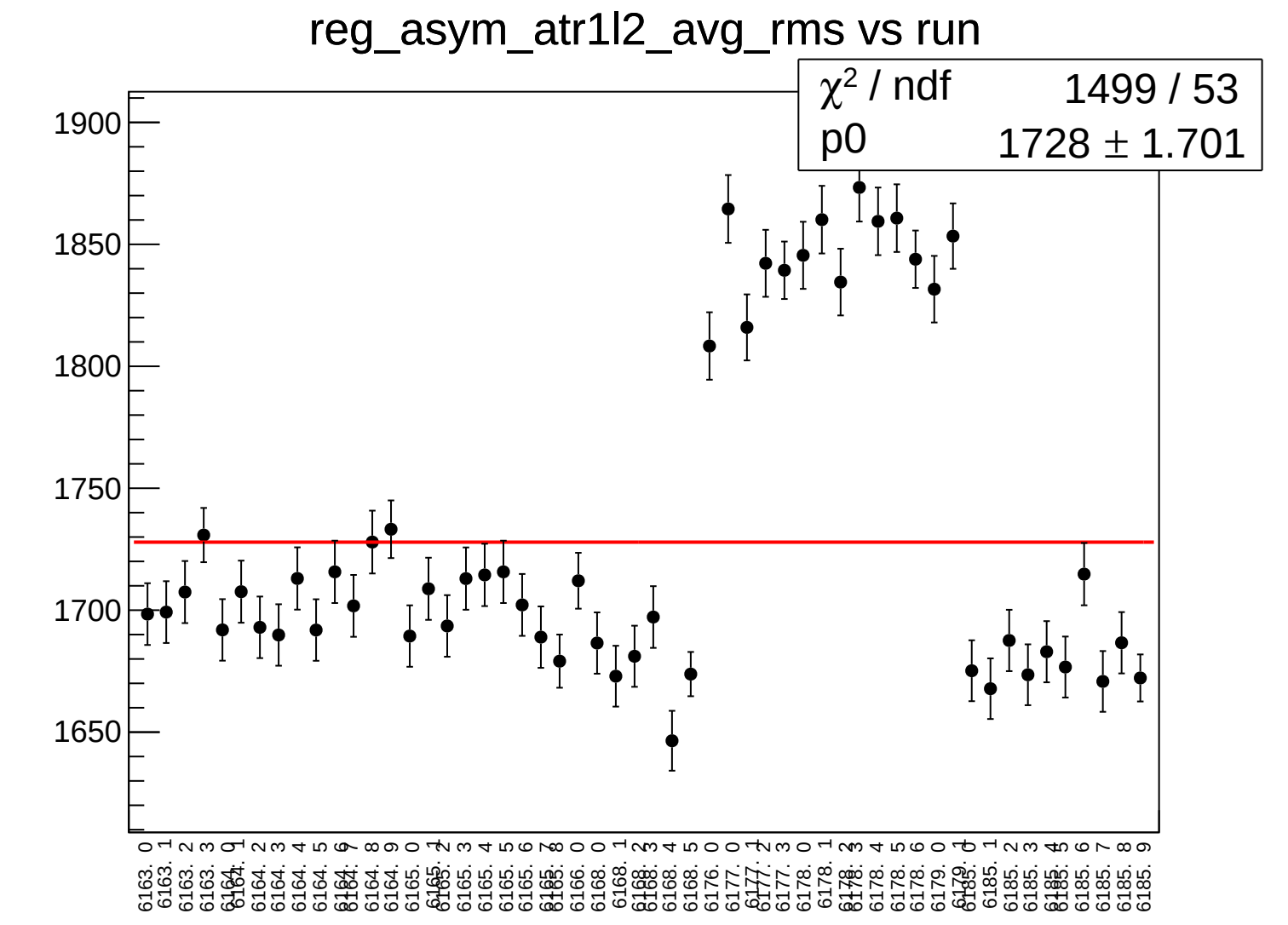

asym_atl1r2_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 54.16 / 53
p0 −1.978e−14 ± 3.094e−13
pull
Entries 54
Mean 368.2
Std Dev 0

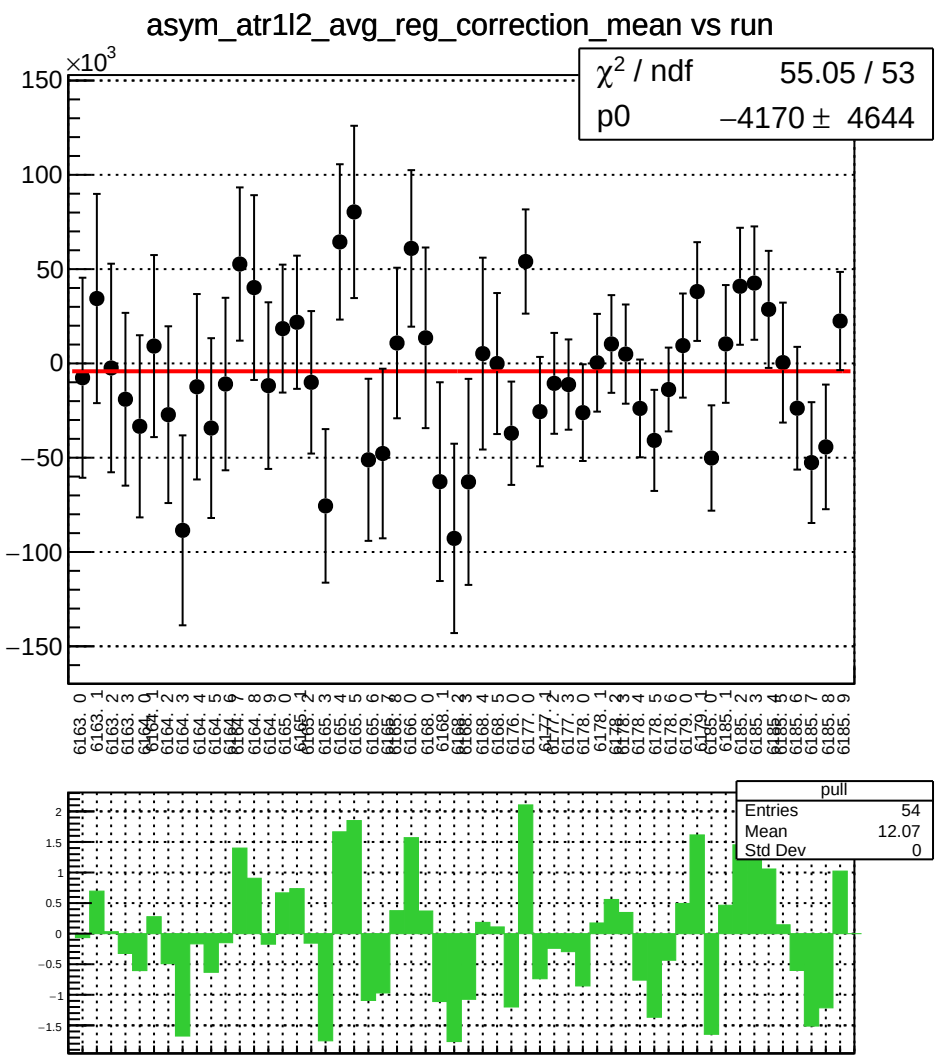

pull1D
Entries 54
Mean −0.01546
Std Dev 1.001

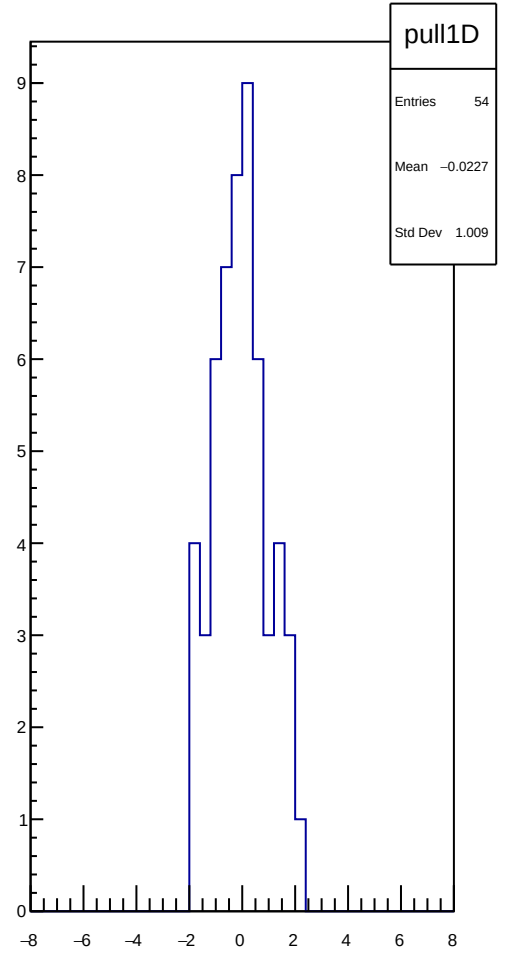

asym_atl1r2_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 7.234e+05 / 53
p0 1.217e−10 ± 2.188e−13
5
4
3
2
1
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

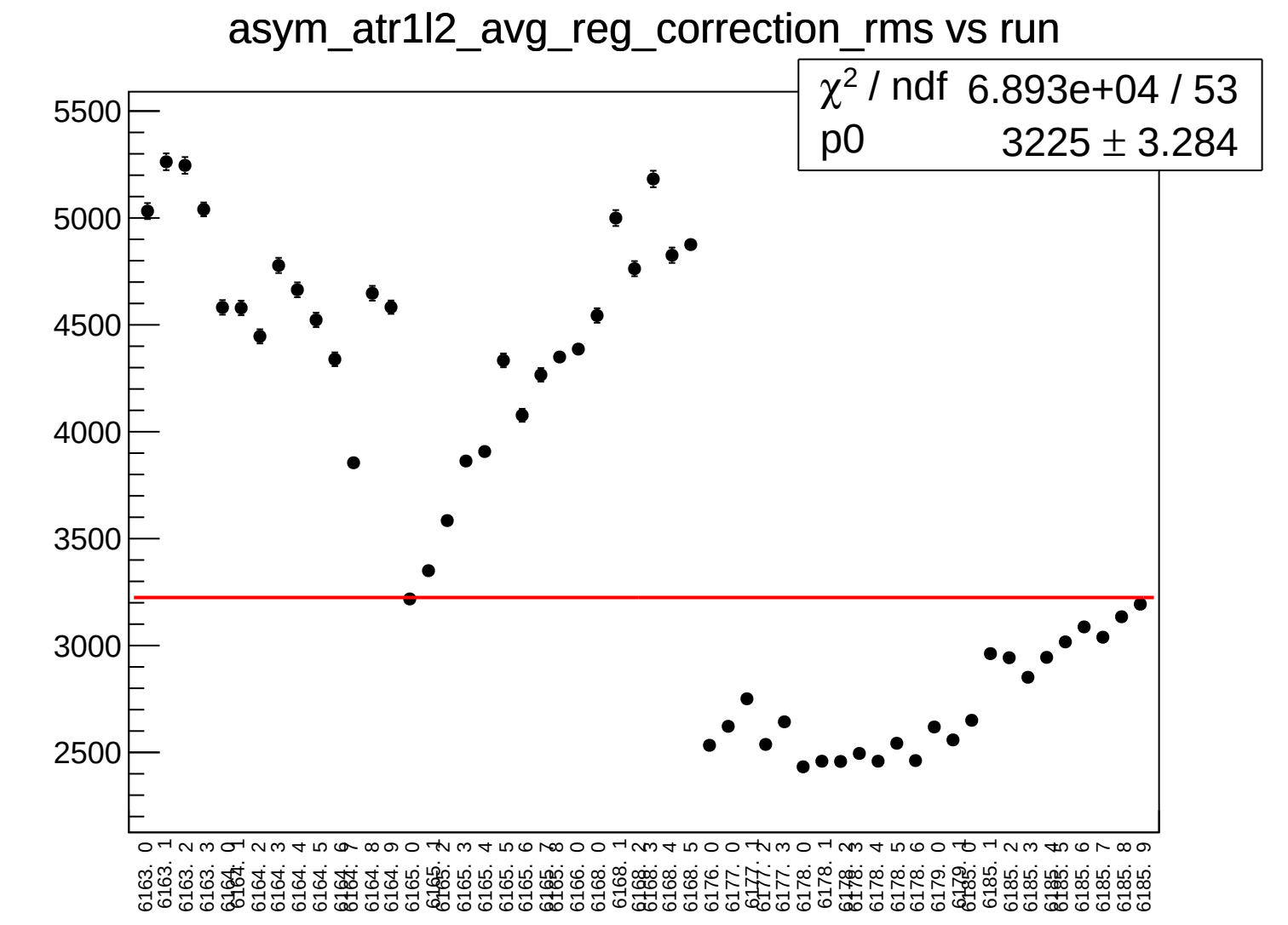

reg_asym_atr1l2_avg_mean vs run
χ² / ndf 44.71 / 53
p0 5725 ± 2406
pull
Entries 54
Mean −203
Std Dev 0

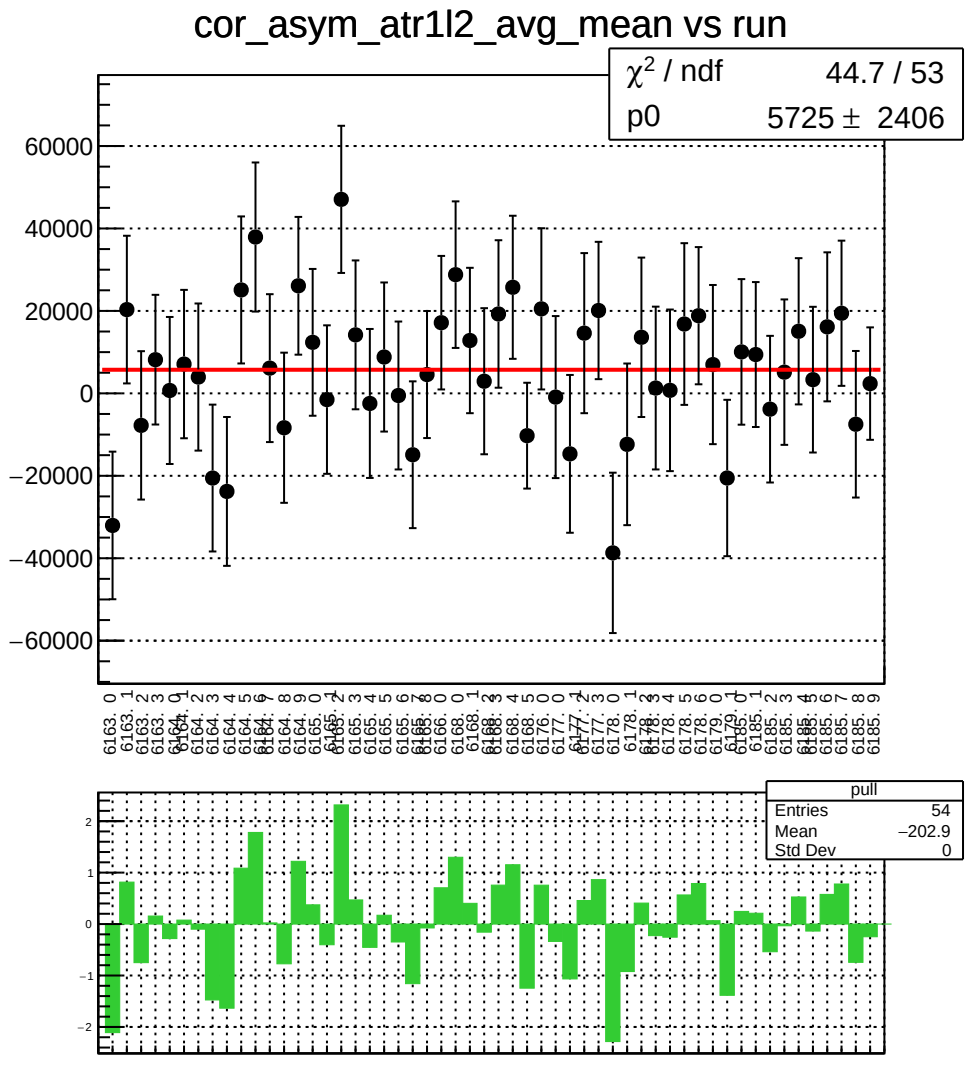

pull1D
Entries 54
Mean −0.001749
Std Dev 0.9099

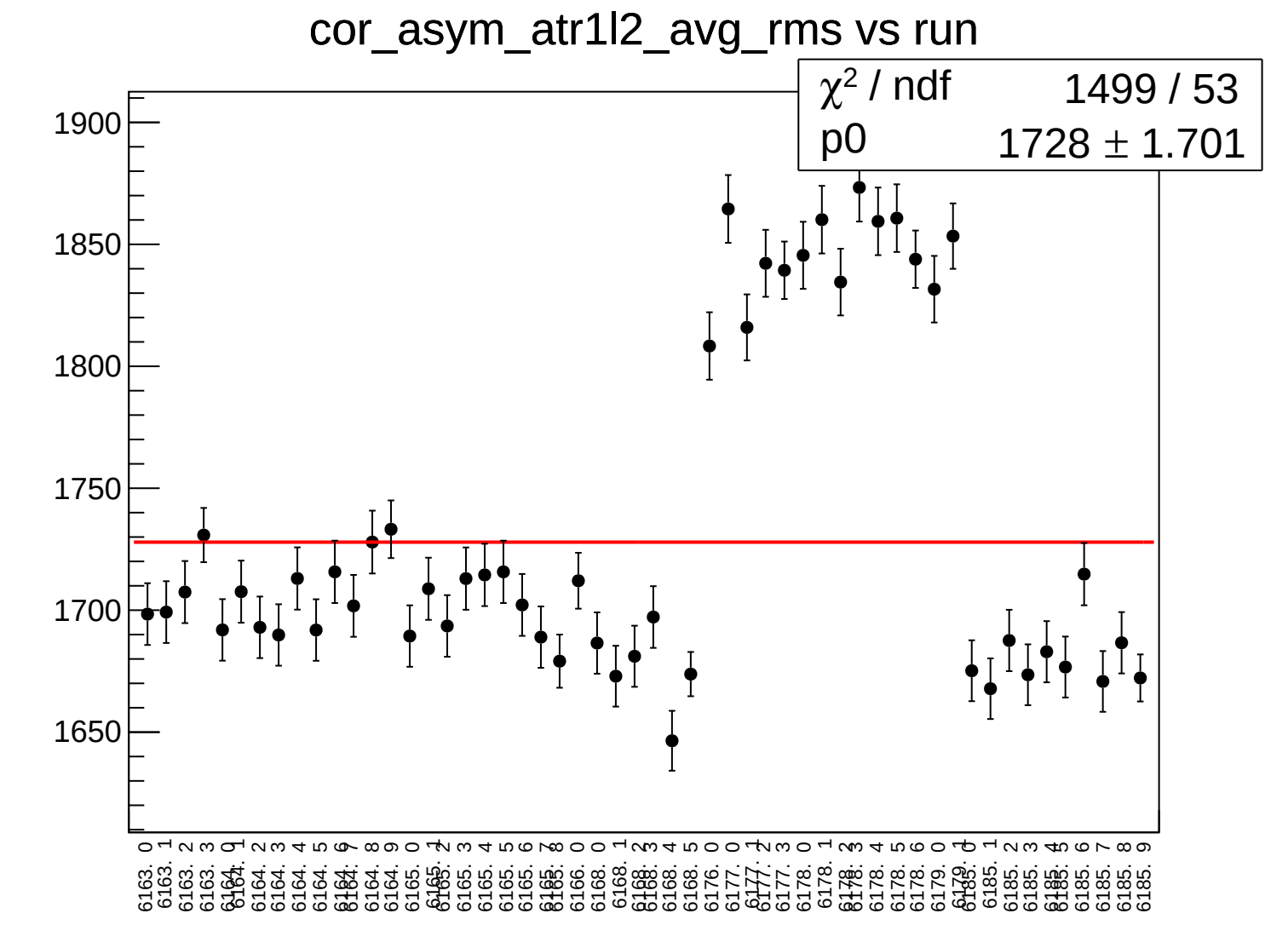

reg_asym_atr1l2_avg_rms vs run
χ² / ndf 1499 / 53
p0 1728 ± 1.701
1900
1850
1800
1750
1700
1650
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

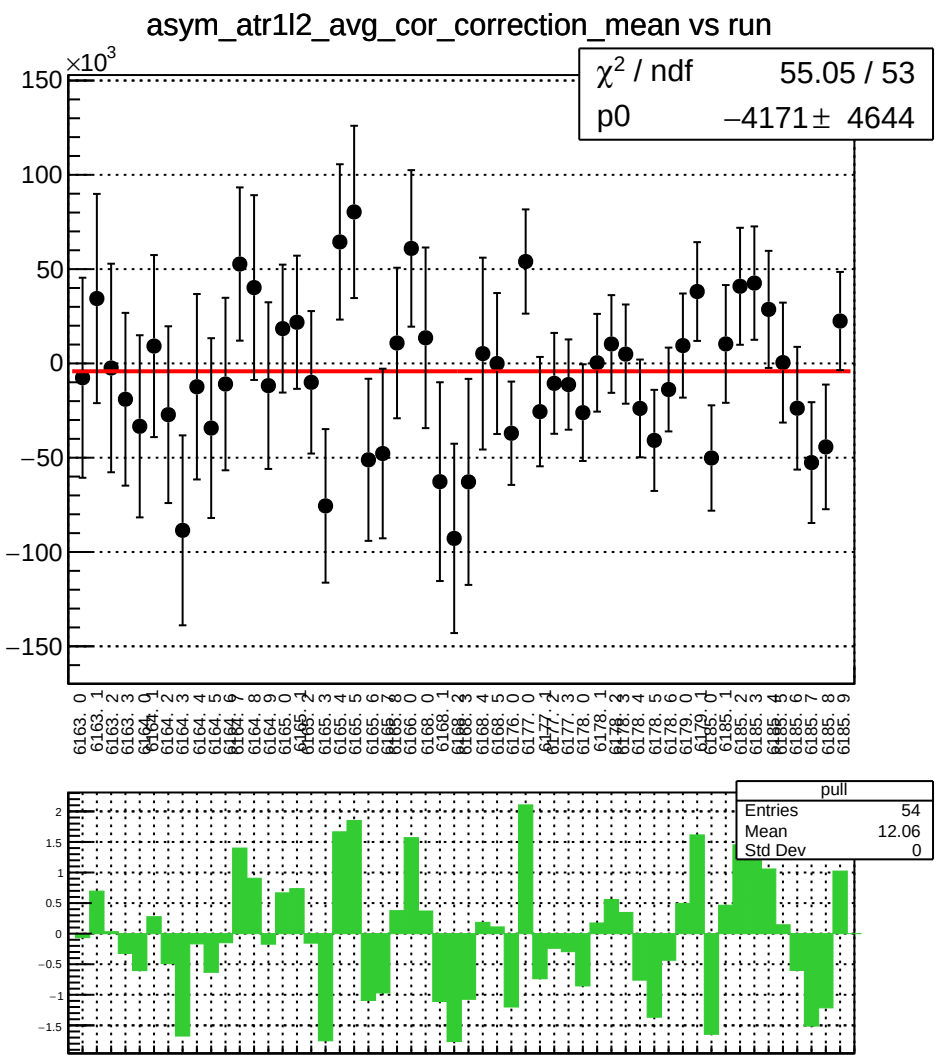

asym_atr1l2_avg_reg_correction_mean vs run
×10^3
χ² / ndf 55.05 / 53
p0 −4170 ± 4644
150
100
50
0
−50
−100
−150
pull
Entries 54
Mean 12.07
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

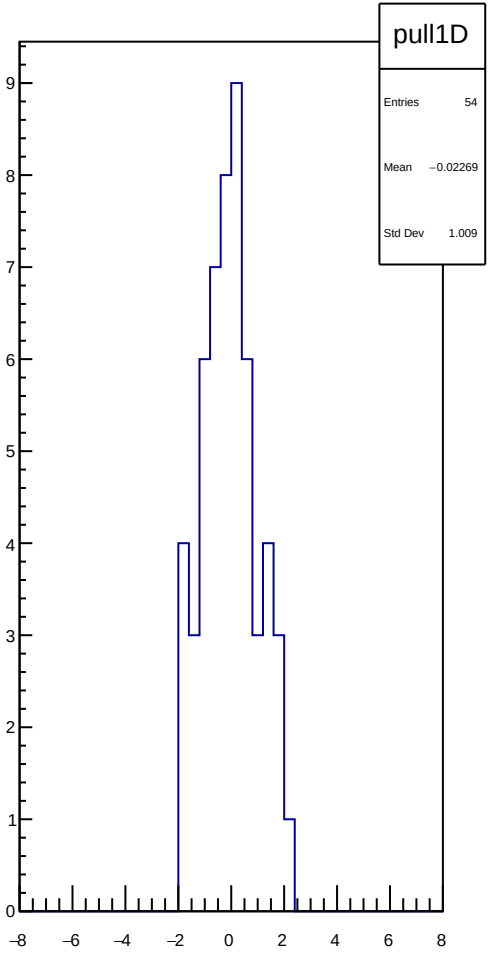

pull1D
Entries 54
Mean −0.0227
Std Dev 1.009
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

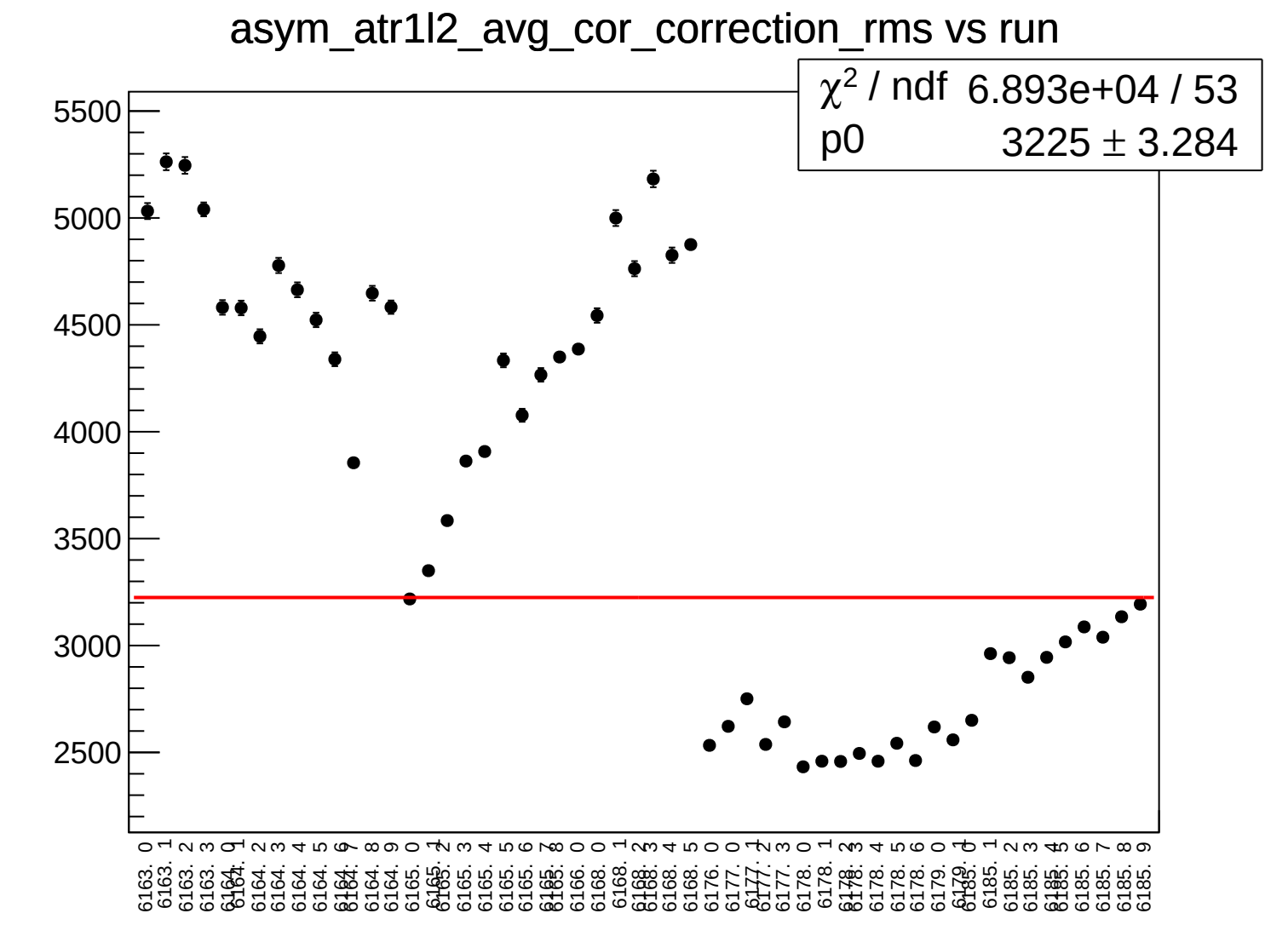

asym_atr1l2_avg_reg_correction_rms vs run
χ² / ndf 6.893e+04 / 53
p0 3225 ± 3.284
5500
5000
4500
4000
3500
3000
2500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

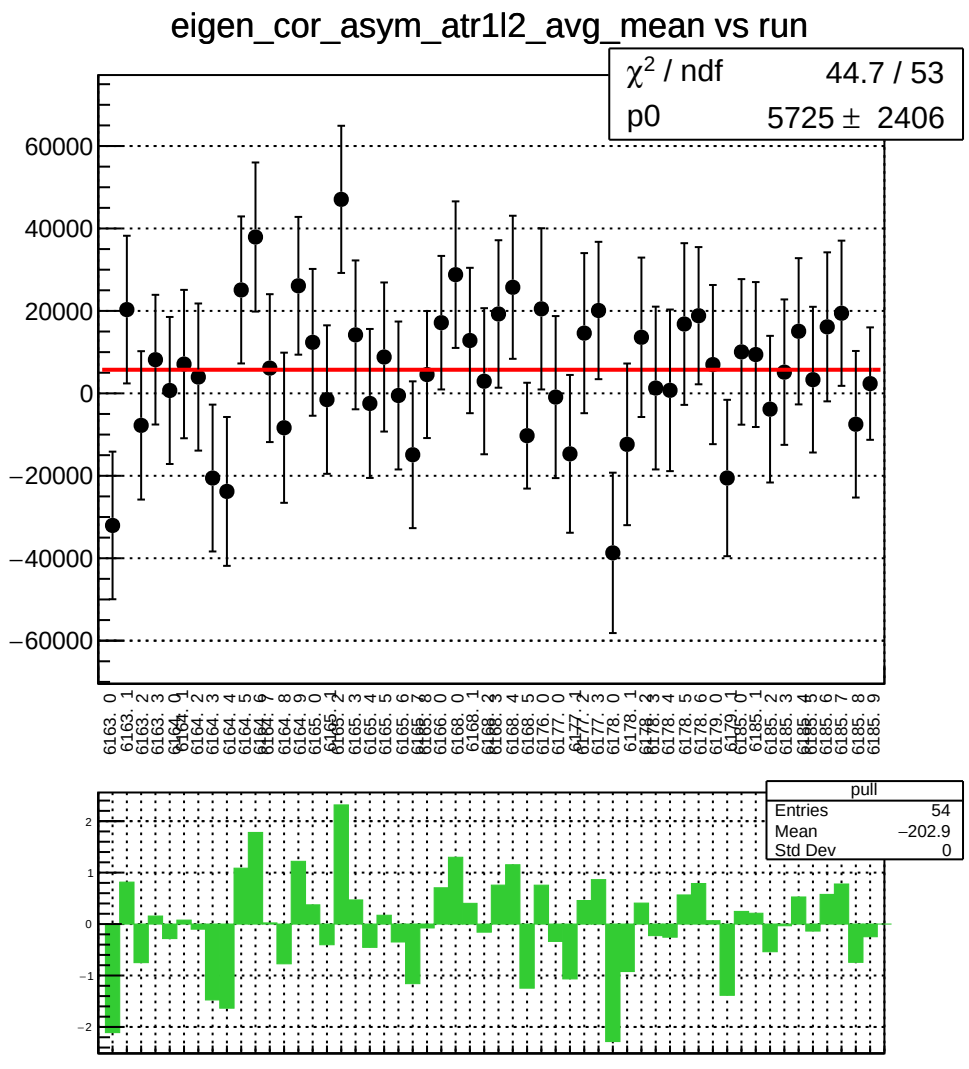

cor_asym_atr1l2_avg_mean vs run
χ² / ndf 44.7 / 53
p0 5725 ± 2406
pull
Entries 54
Mean −202.9
Std Dev 0
pull1D
Entries 54
Mean −0.001749
Std Dev 0.9099

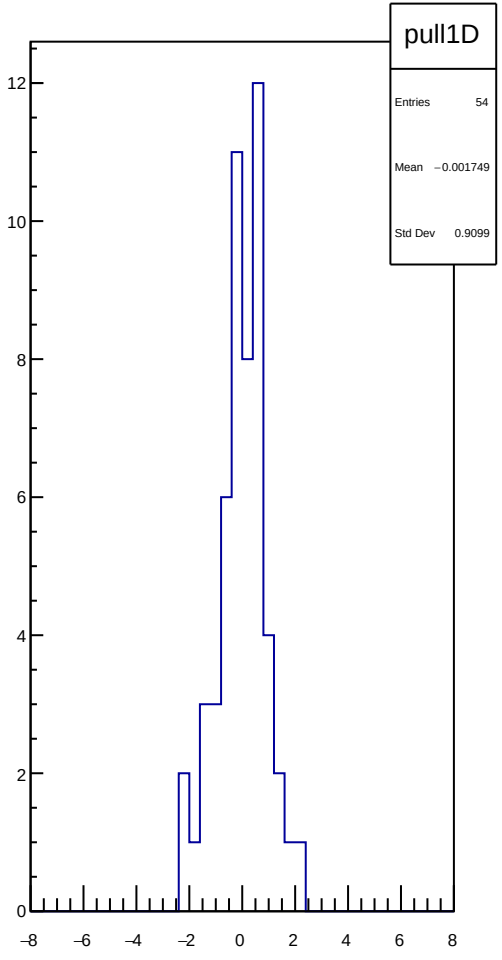

cor_asym_atr1l2_avg_rms vs run
χ² / ndf 1499 / 53
p0 1728 ± 1.701
1900
1850
1800
1750
1700
1650
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

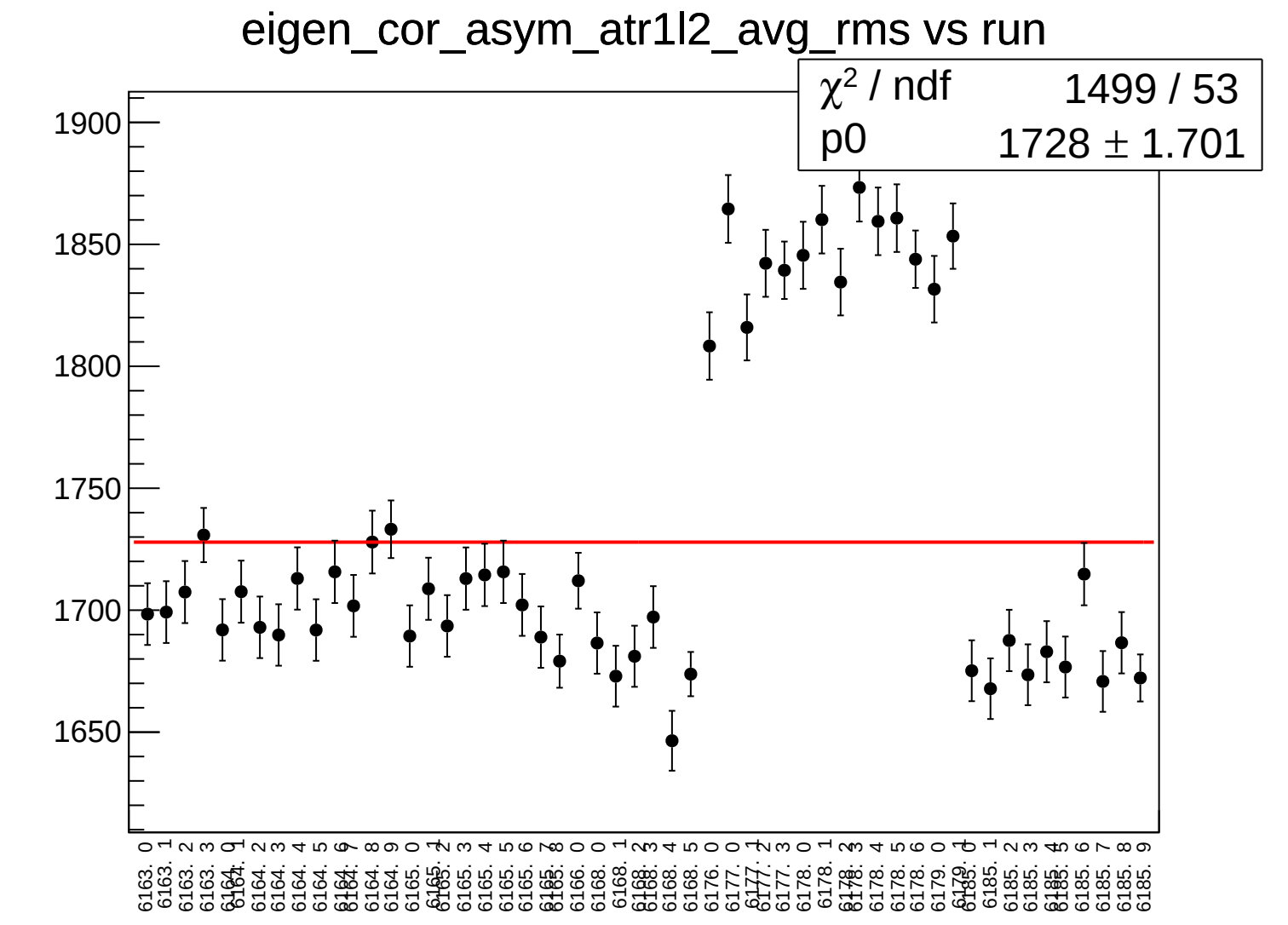

asym_atr1l2_avg_cor_correction_mean vs run
×10^3
χ^2 / ndf 55.05 / 53
p0 −4171 ± 4644
pull
Entries 54
Mean 12.06
Std Dev 0

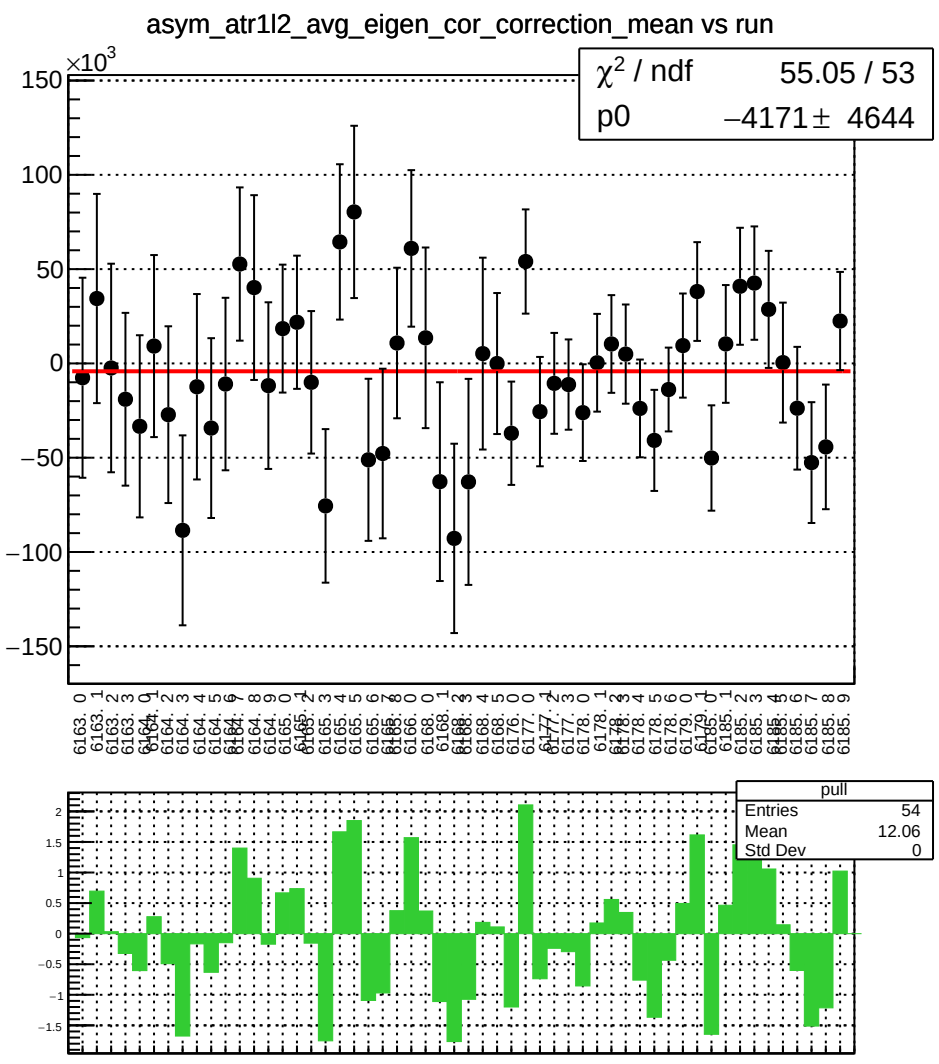

pull1D
Entries 54
Mean −0.02269
Std Dev 1.009

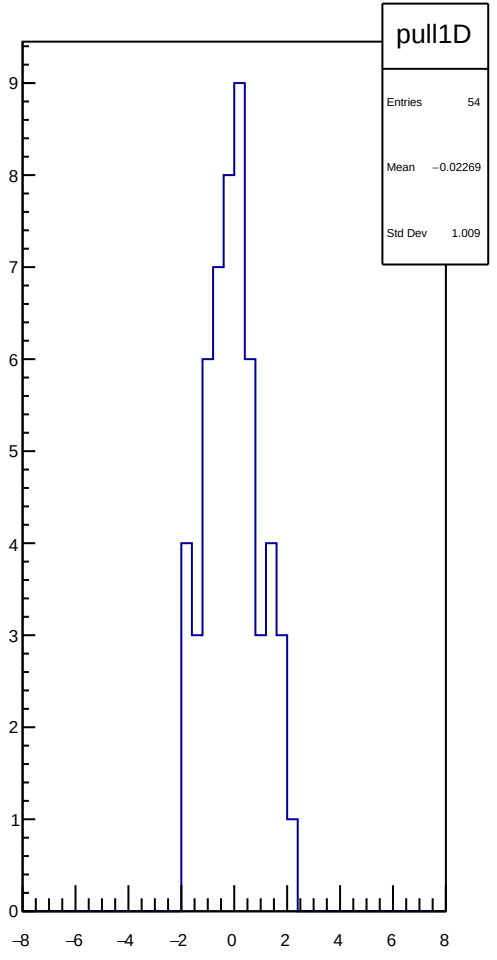

asym_atr1l2_avg_cor_correction_rms vs run
χ² / ndf 6.893e+04 / 53
p0 3225 ± 3.284
5500
5000
4500
4000
3500
3000
2500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

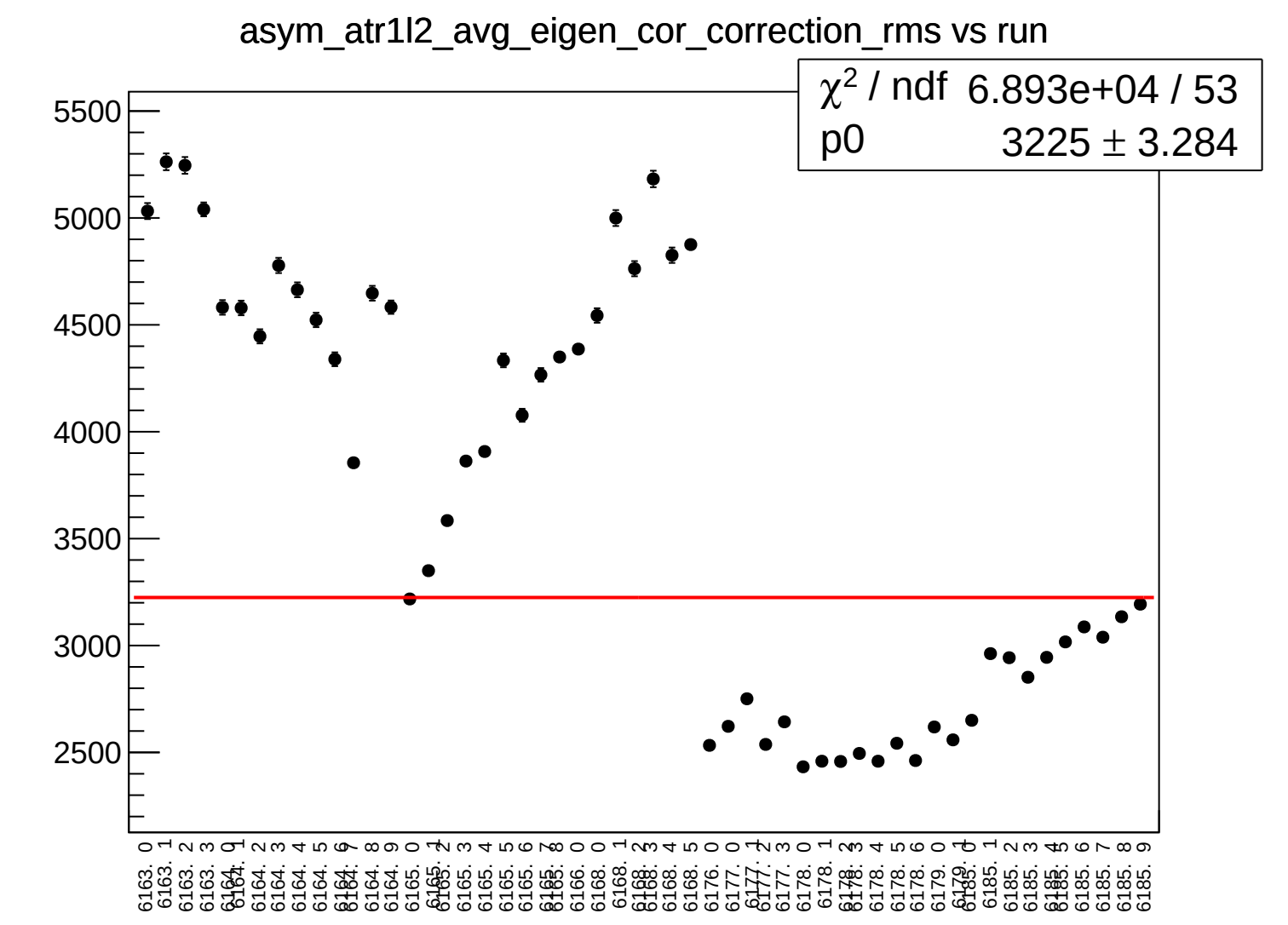

eigen_cor_asym_atr1l2_avg_mean vs run
χ² / ndf 44.7 / 53
p0 5725 ± 2406
pull
Entries 54
Mean −202.9
Std Dev 0

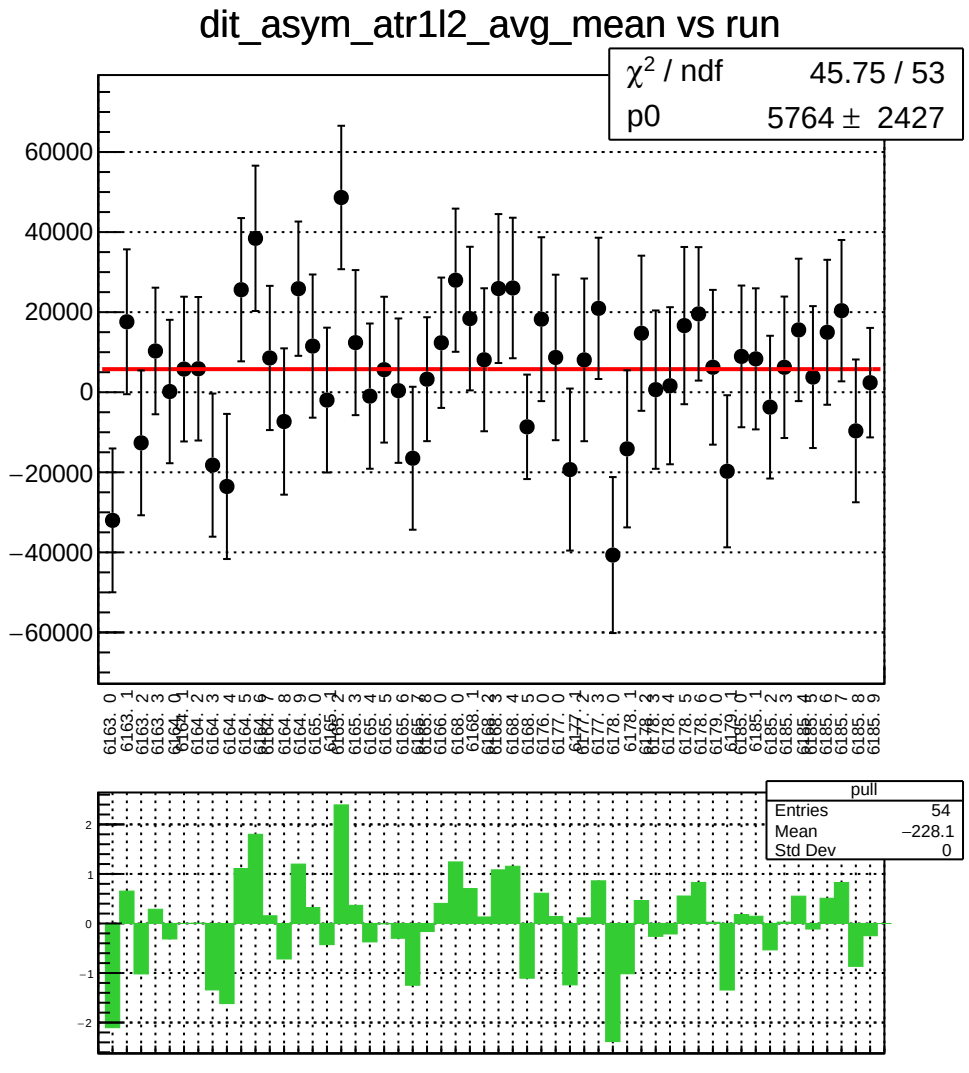

pull1D
Entries 54
Mean −0.001749
Std Dev 0.9099

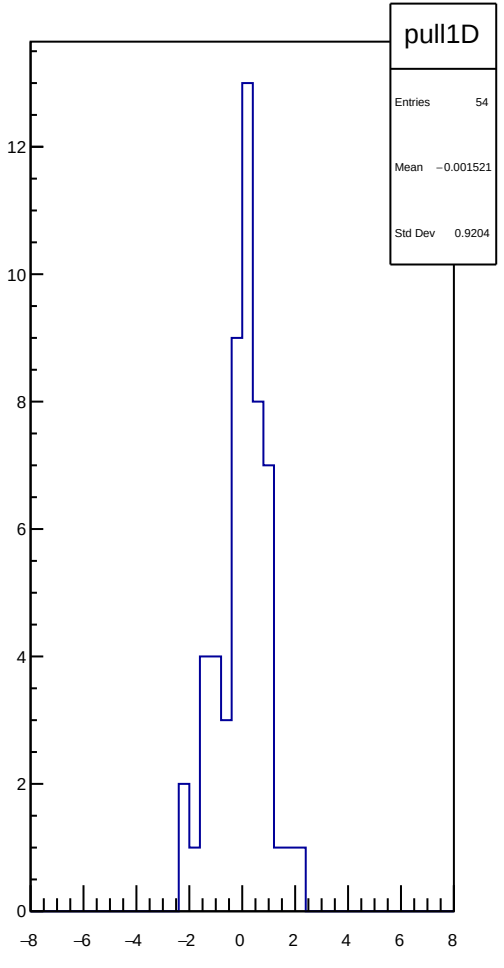

eigen_cor_asym_atr1l2_avg_rms vs run
χ² / ndf 1499 / 53
p0 1728 ± 1.701
1900
1850
1800
1750
1700
1650
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

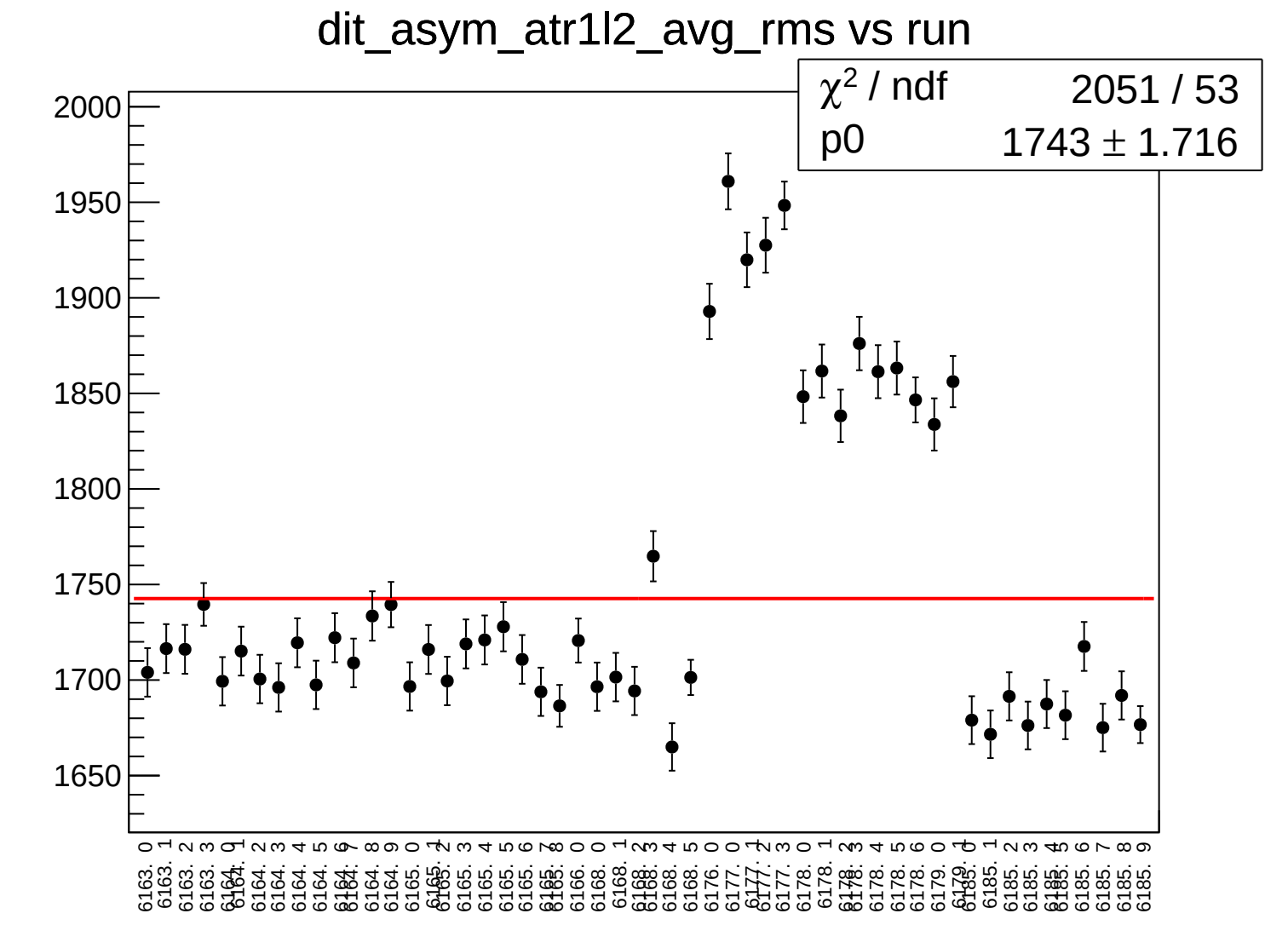

asym_atr1l2_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 55.05 / 53
p0 −4171 ± 4644
150
100
50
0
−50
−100
−150
pull
Entries 54
Mean 12.06
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

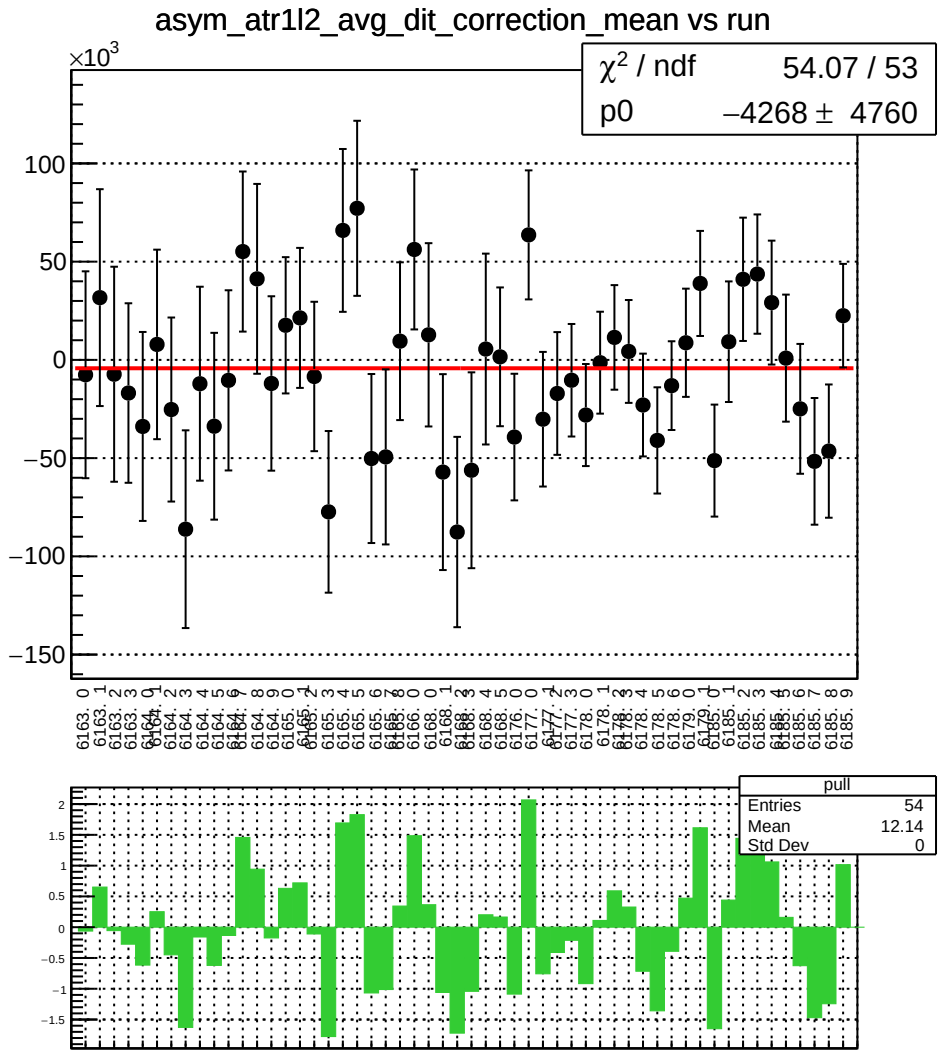

pull1D
Entries 54
Mean −0.02269
Std Dev 1.009
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

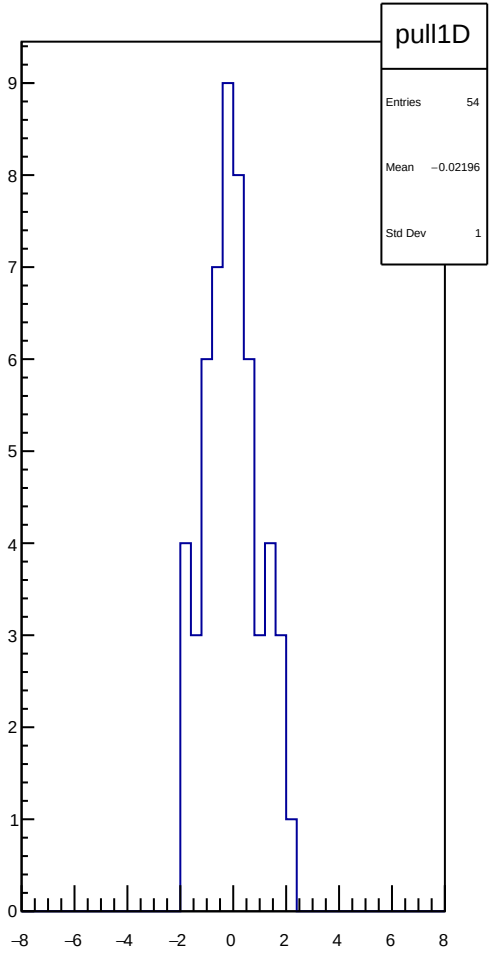

asym_atr1l2_avg_eigen_cor_correction_rms vs run
χ² / ndf 6.893e+04 / 53
p0 3225 ± 3.284
5500
5000
4500
4000
3500
3000
2500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

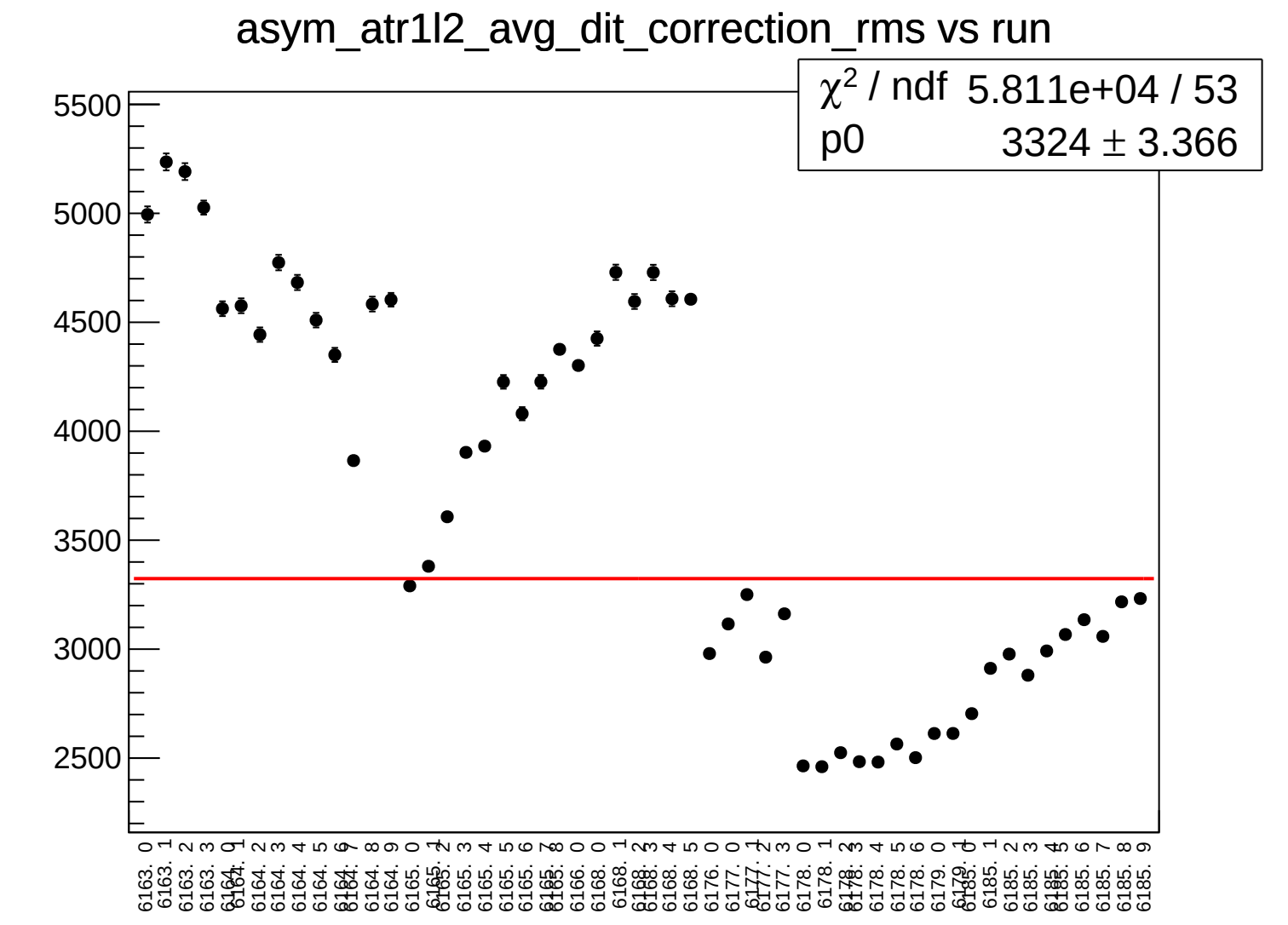

dit_asym_atr1l2_avg_mean vs run
χ² / ndf 45.75 / 53
p0 5764 ± 2427
pull
Entries 54
Mean −228.1
Std Dev 0

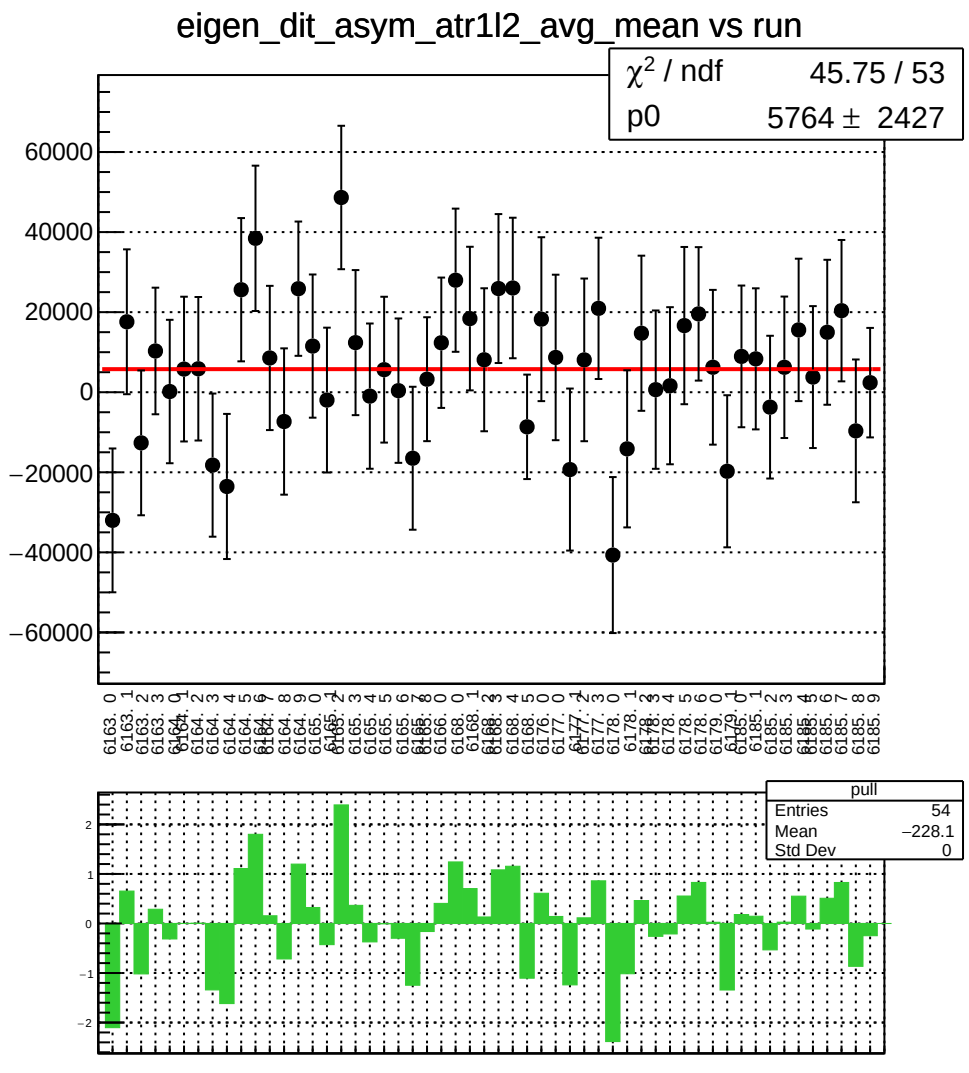

pull1D
Entries 54
Mean −0.001521
Std Dev 0.9204

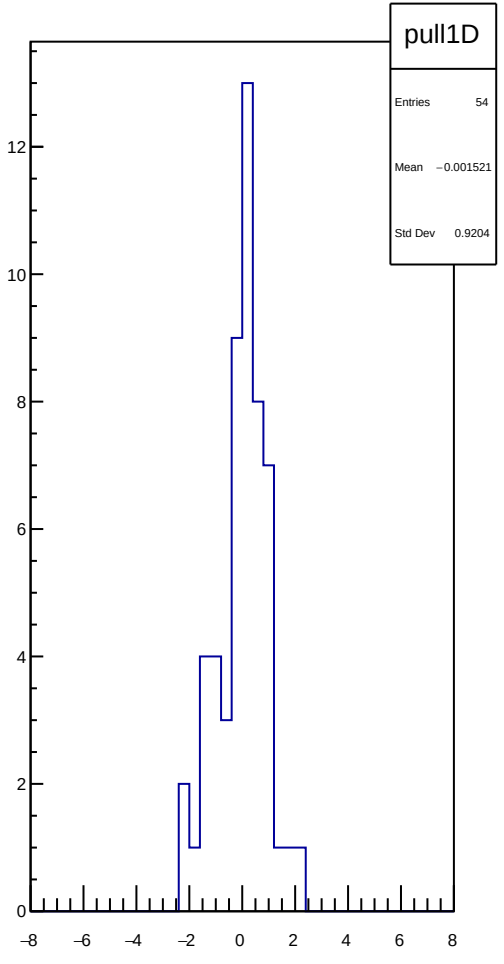

dit_asym_atr1l2_avg_rms vs run
χ² / ndf 2051 / 53
p0 1743 ± 1.716
2000
1950
1900
1850
1800
1750
1700
1650
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

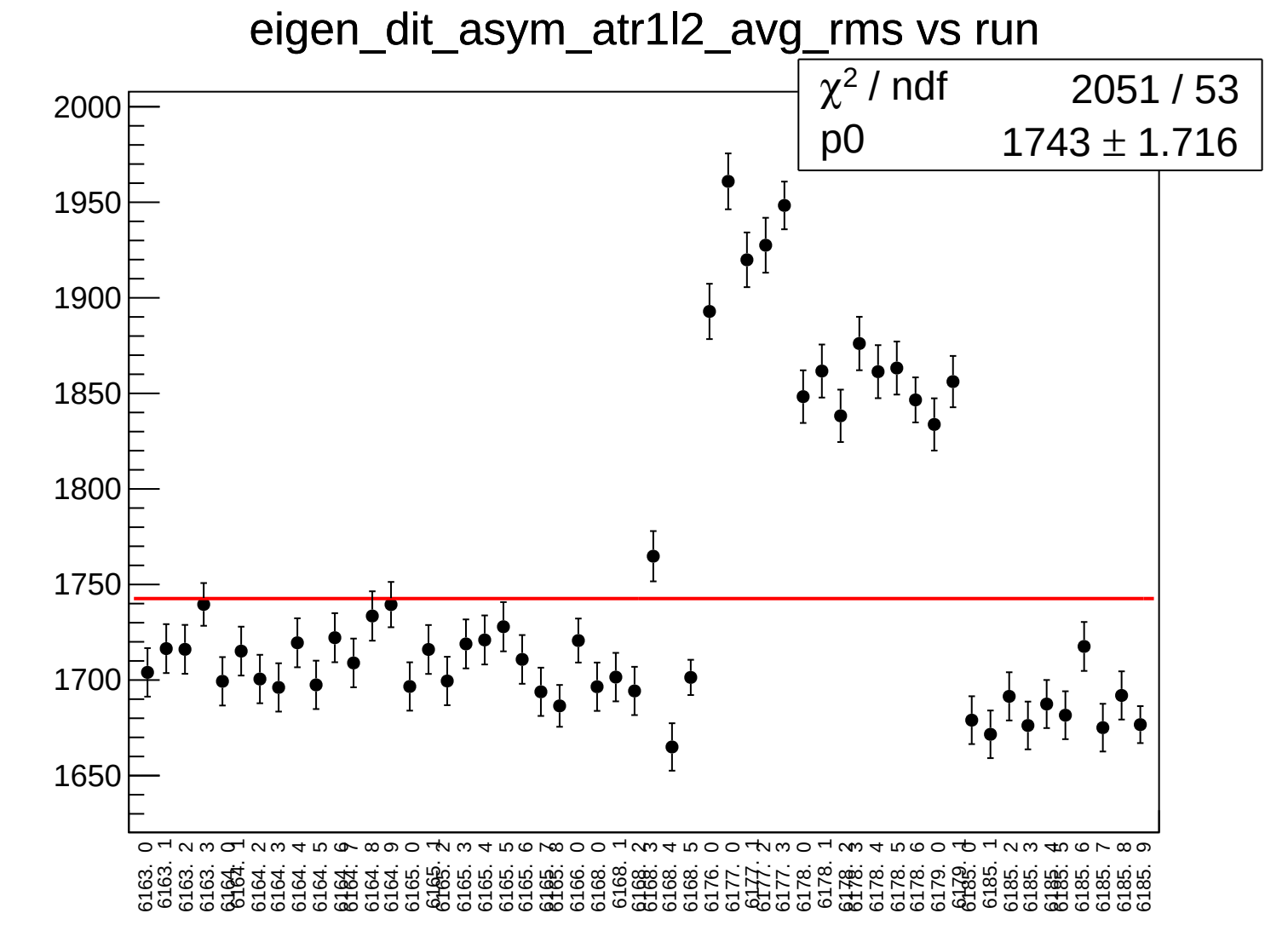

asym_atr1l2_avg_dit_correction_mean vs run
×10^3
χ² / ndf 54.07 / 53
p0 −4268 ± 4760
100
50
0
−50
−100
−150
pull
Entries 54
Mean 12.14
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

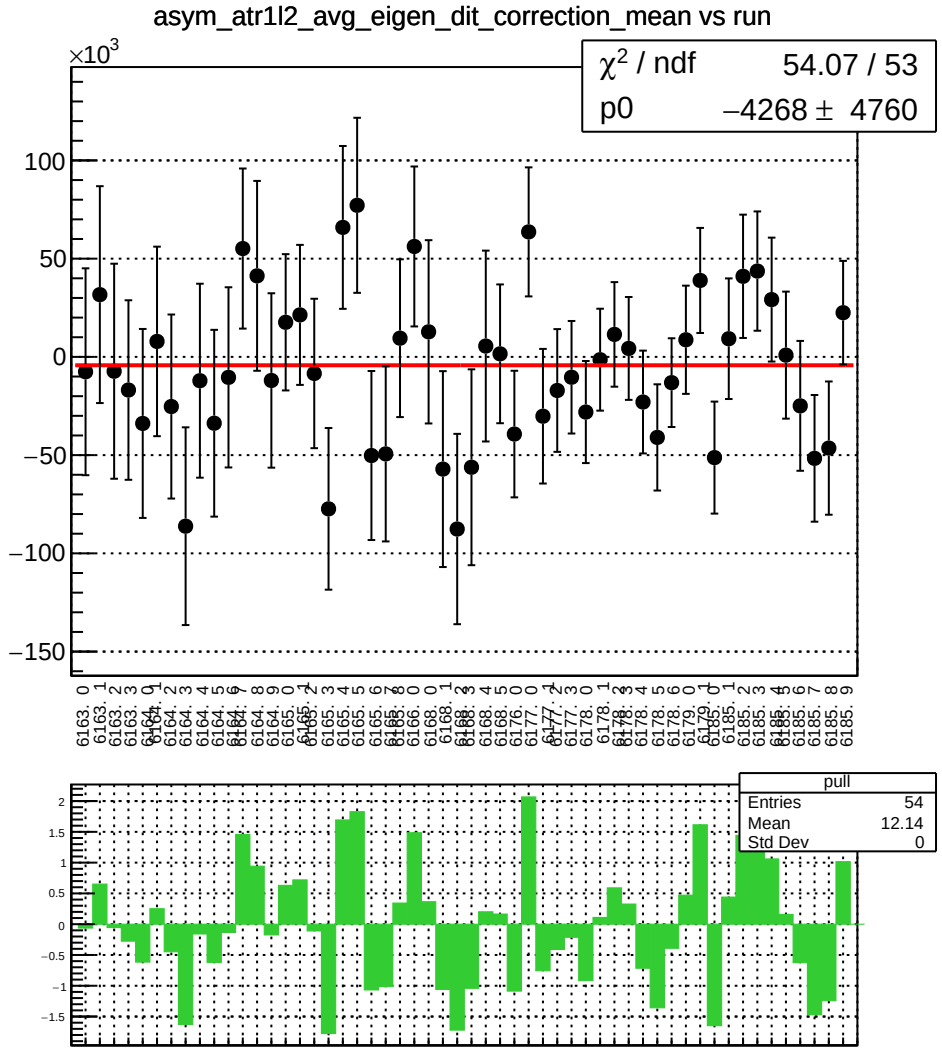

pull1D
Entries 54
Mean −0.02196
Std Dev 1
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

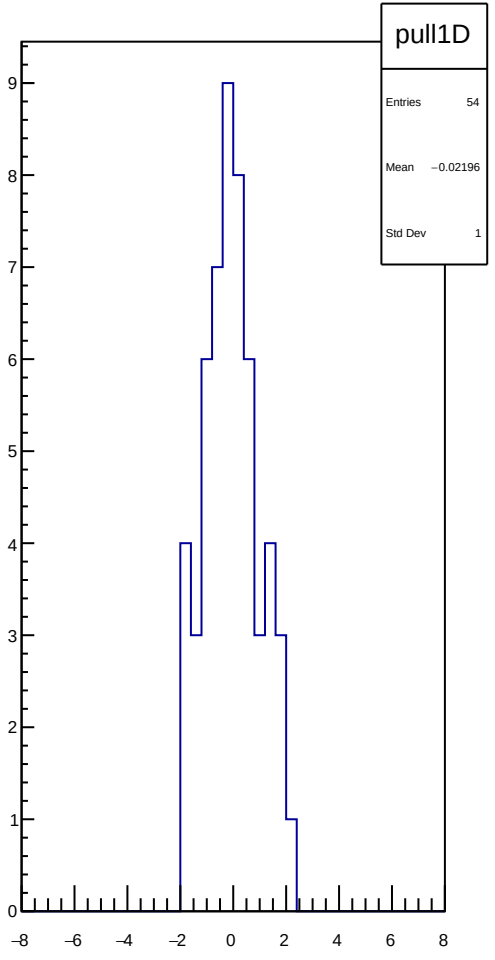

asym_atr1l2_avg_dit_correction_rms vs run
χ² / ndf 5.811e+04 / 53
p0 3324 ± 3.366
5500
5000
4500
4000
3500
3000
2500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

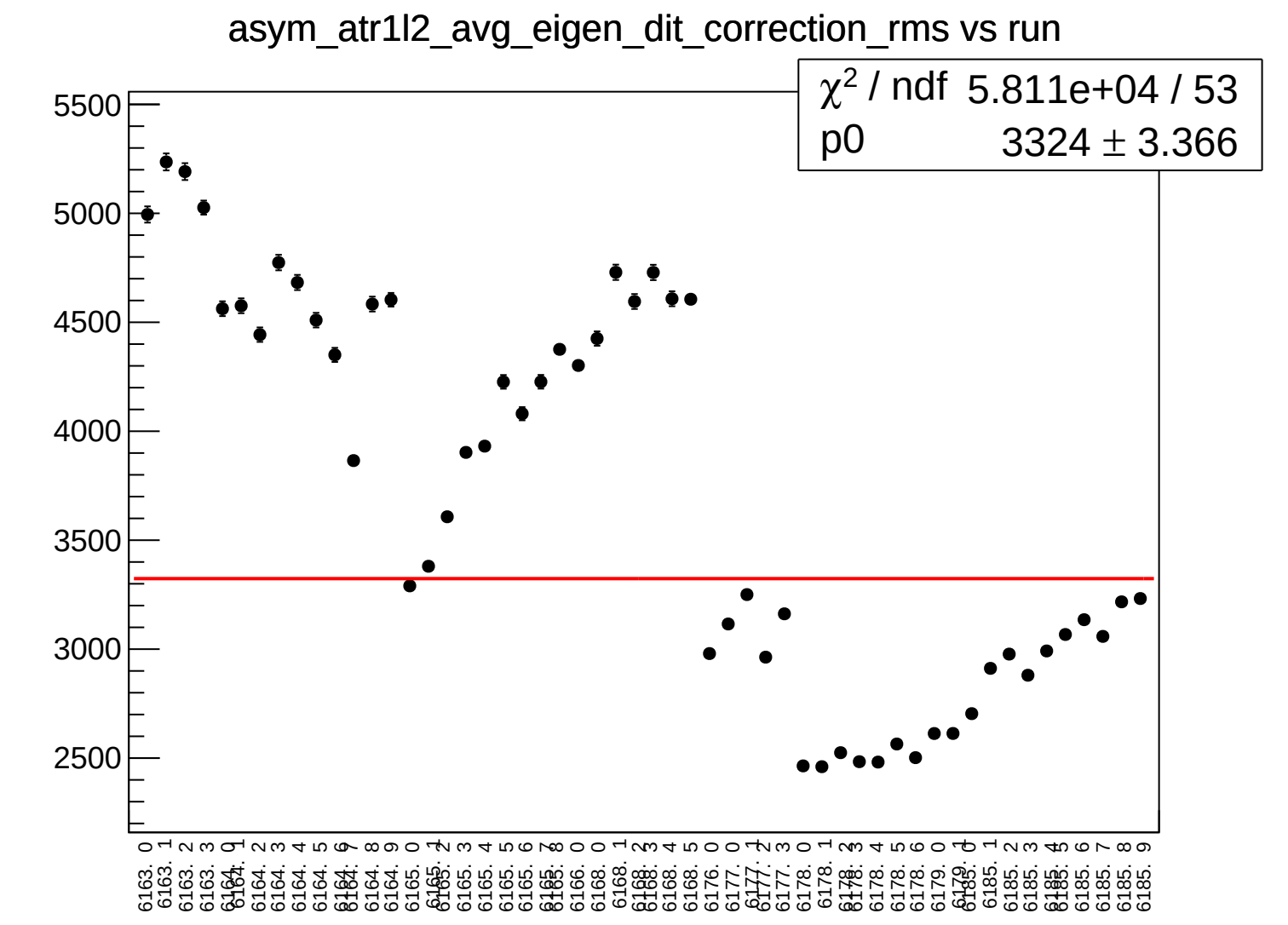

eigen_dit_asym_atr1l2_avg_mean vs run
χ² / ndf 45.75 / 53
p0 5764 ± 2427
pull
Entries 54
Mean −228.1
Std Dev 0

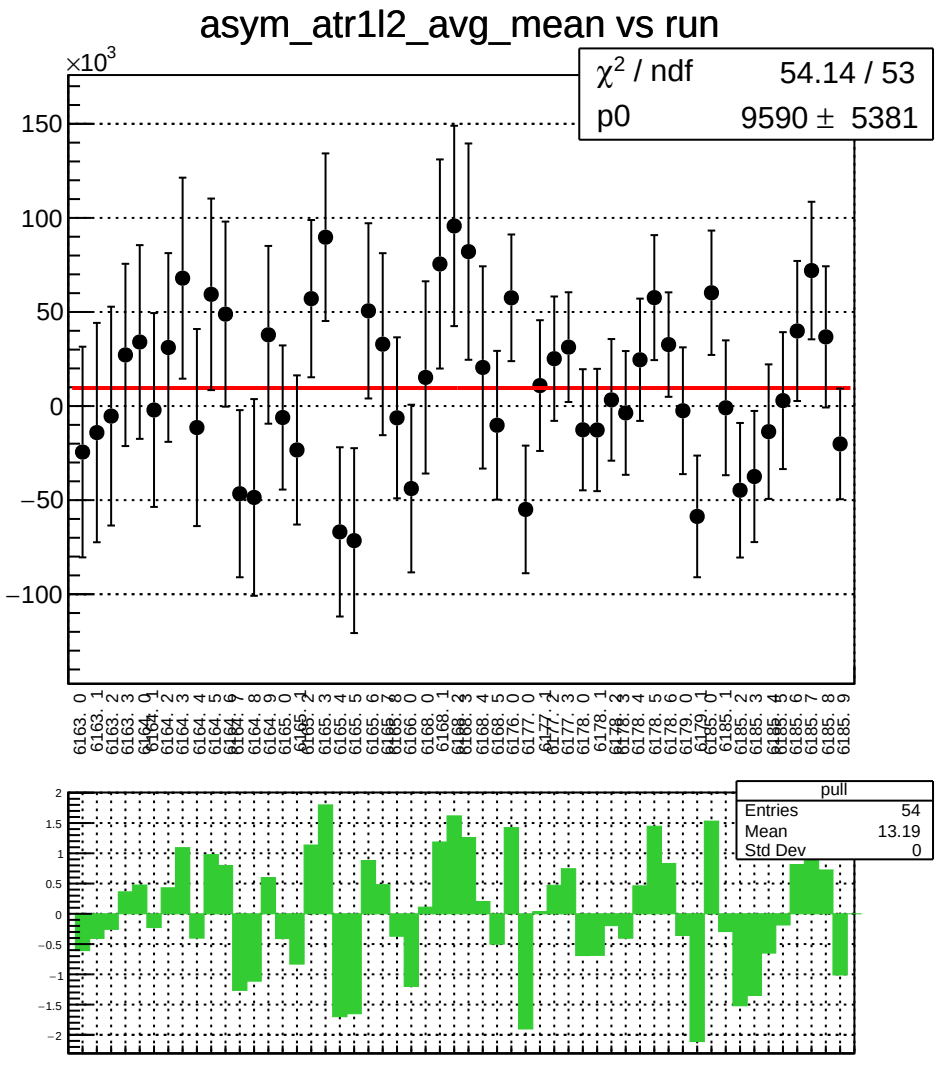

pull1D
Entries 54
Mean −0.001521
Std Dev 0.9204

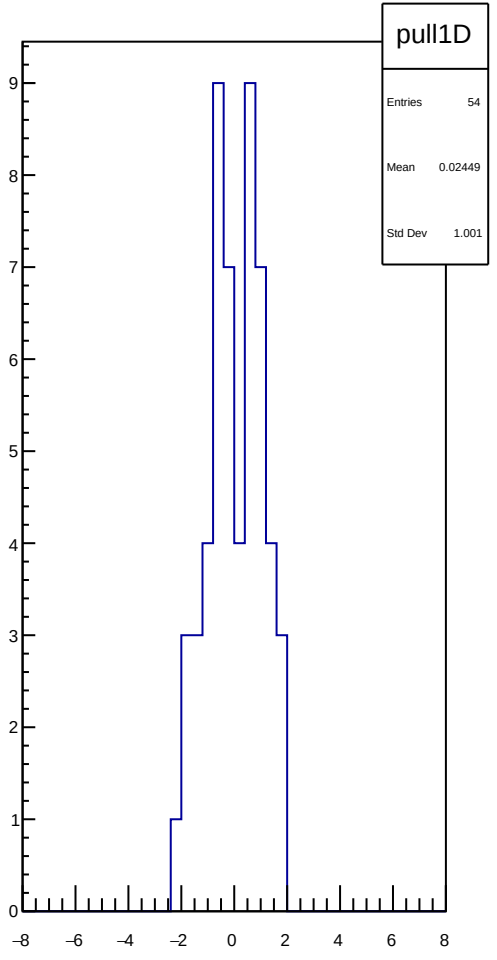

eigen_dit_asym_atr1l2_avg_rms vs run
χ² / ndf 2051 / 53
p0 1743 ± 1.716
2000
1950
1900
1850
1800
1750
1700
1650
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

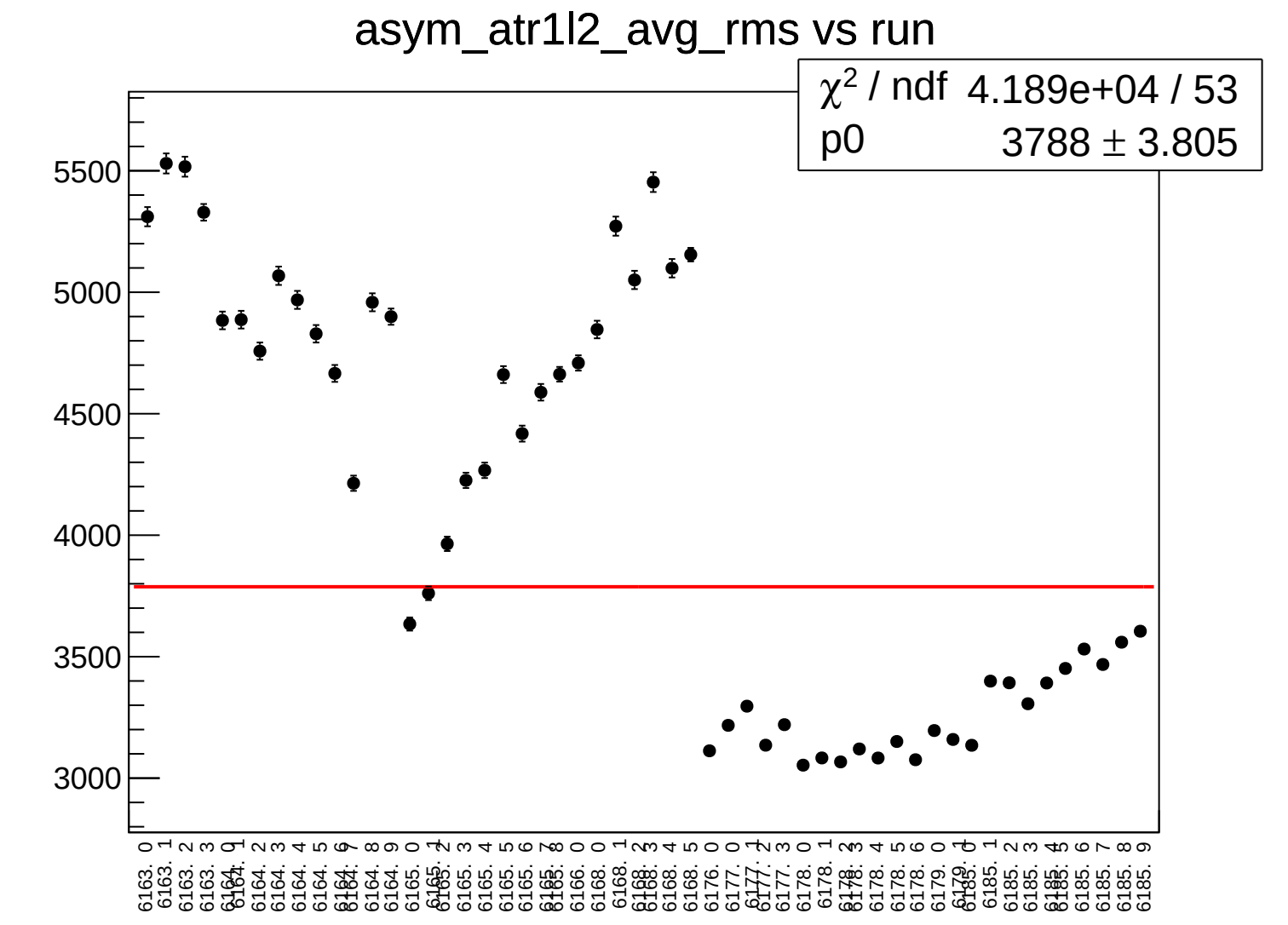

asym_atr1l2_avg_eigen_dit_correction_mean vs run
χ² / ndf 54.07 / 53
p0 −4268 ± 4760
pull
Entries 54
Mean 12.14
Std Dev 0

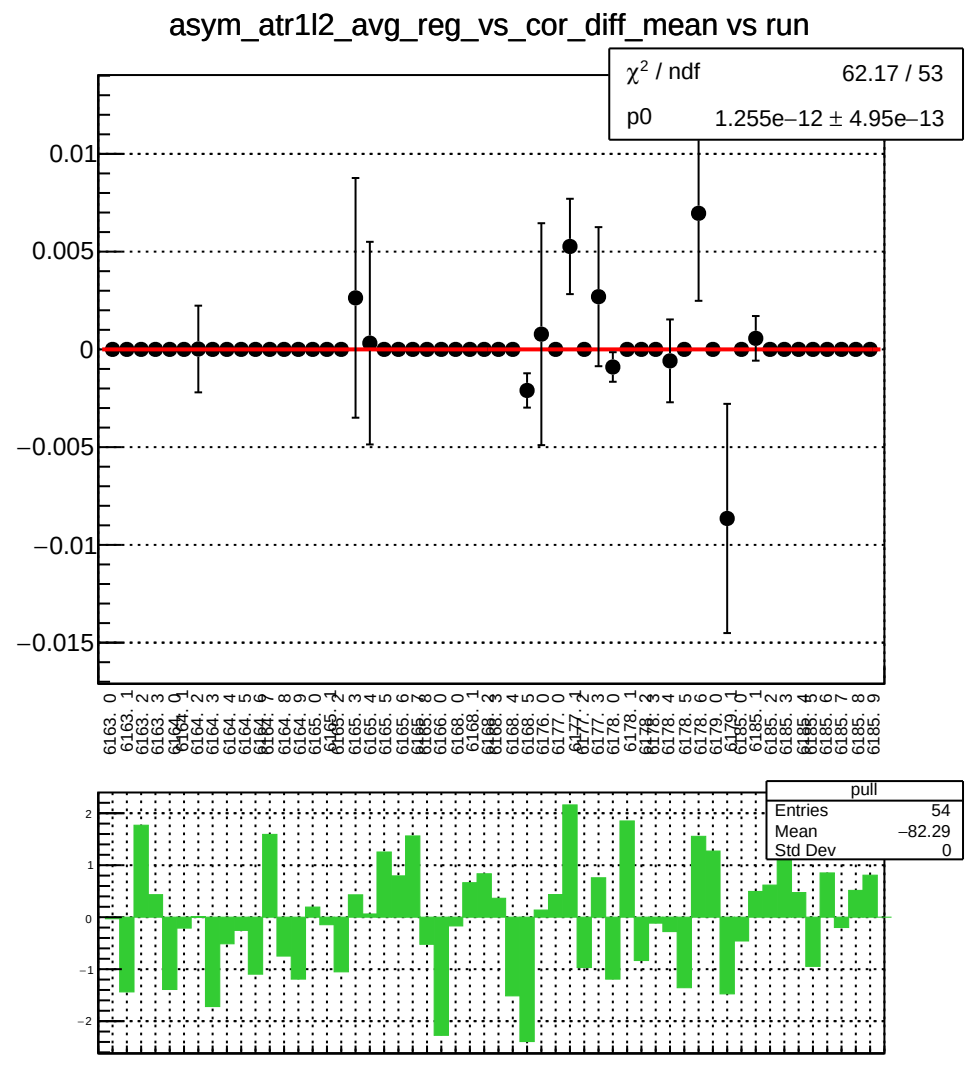

pull1D
Entries 54
Mean −0.02196
Std Dev 1

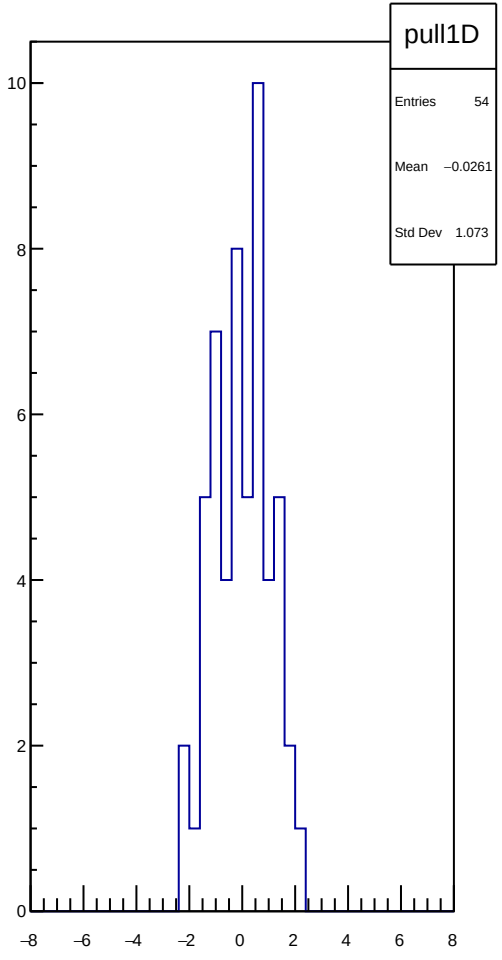

asym_atr1l2_avg_eigen_dit_correction_rms vs run
χ² / ndf 5.811e+04 / 53
p0 3324 ± 3.366
5500
5000
4500
4000
3500
3000
2500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

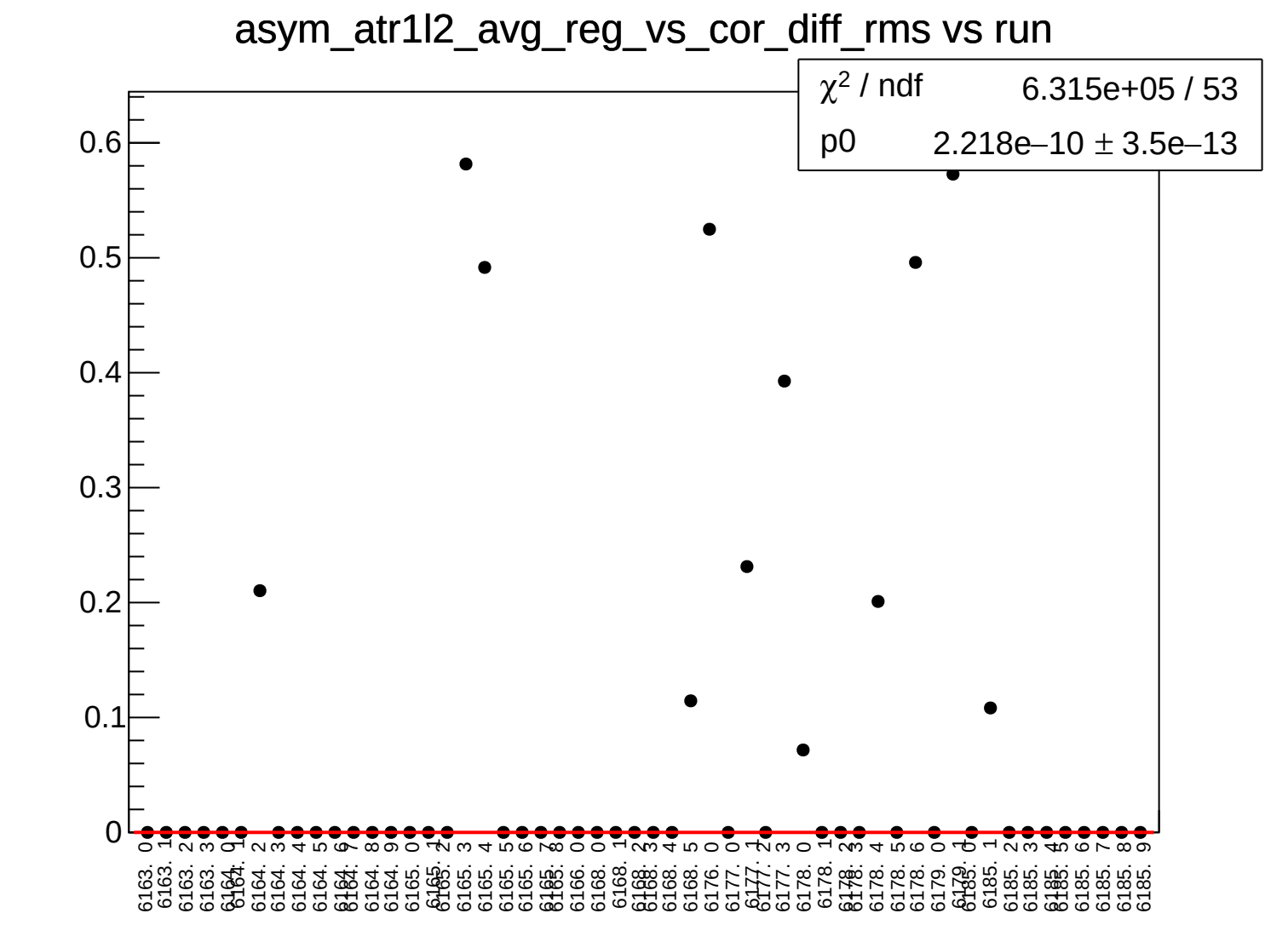

asym_atr1l2_avg_mean vs run
×10^3
χ² / ndf 54.14 / 53
p0 9590 ± 5381
150
100
50
0
−50
−100
pull
Entries 54
Mean 13.19
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 54
Mean 0.02449
Std Dev 1.001
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atr1l2_avg_rms vs run
χ² / ndf 4.189e+04 / 53
p0 3788 ± 3.805
5500
5000
4500
4000
3500
3000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


asym_atr1l2_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 62.17 / 53
p0 1.255e−12 ± 4.95e−13
pull
Entries 54
Mean −82.29
Std Dev 0


pull1D
Entries 54
Mean −0.0261
Std Dev 1.073


asym_atr1l2_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.315e+05 / 53
p0 2.218e−10 ± 3.5e−13
0.6
0.5
0.4
0.3
0.2
0.1
0
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 6
6164. 7
6164. 8
6164. 9
6165. 0
6165. 1
6165. 2
6165. 3
6165. 4
6165. 5
6165. 6
6165. 7
6165. 8
6166. 0
6168. 0
6168. 1
6168. 2
6168. 3
6168. 4
6168. 5
6176. 0
6177. 0
6177. 1
6177. 2
6177. 3
6178. 0
6178. 1
6178. 2
6178. 3
6178. 4
6178. 5
6178. 6
6179. 0
6179. 1
6185. 0
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6185. 2
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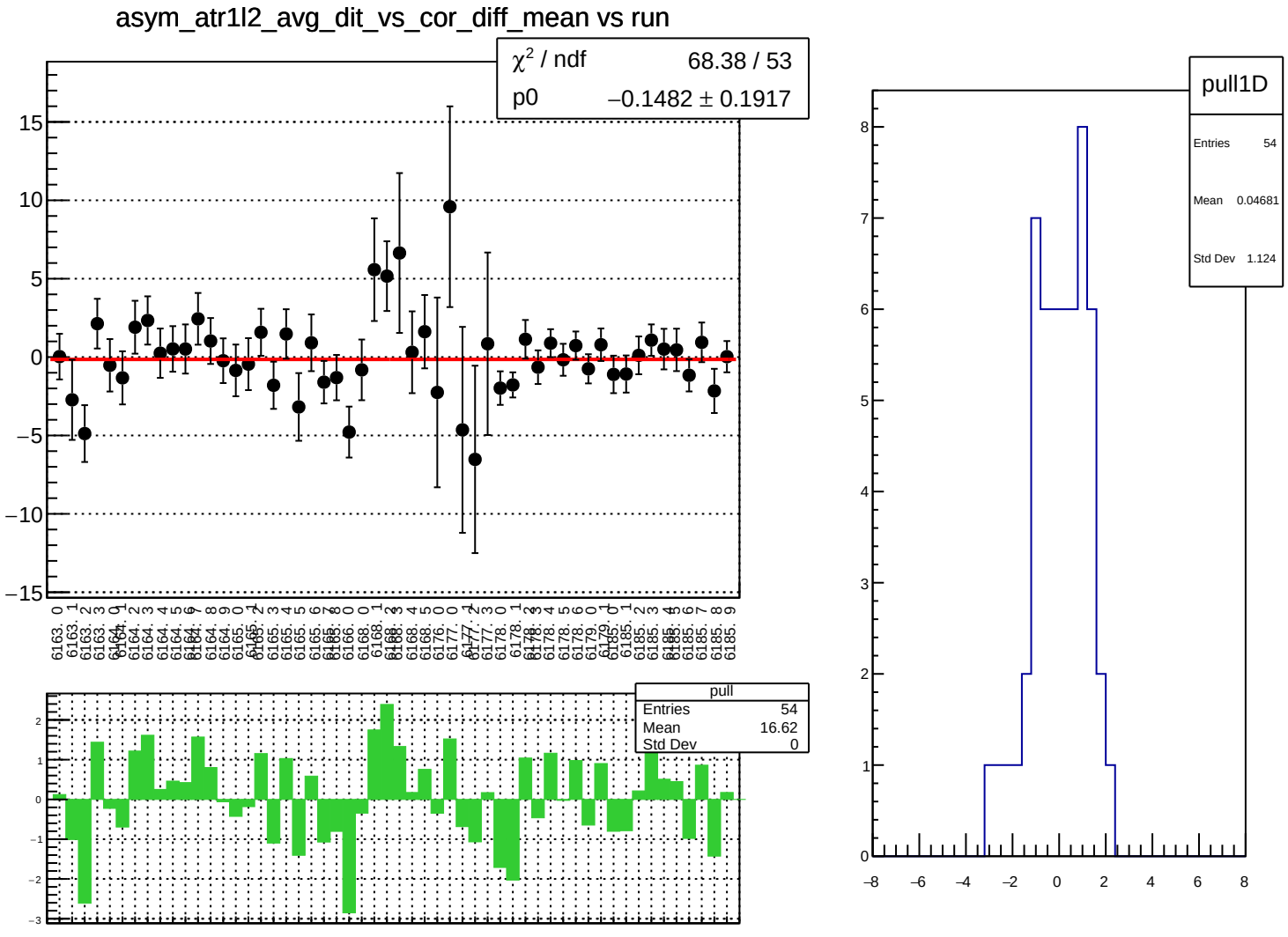
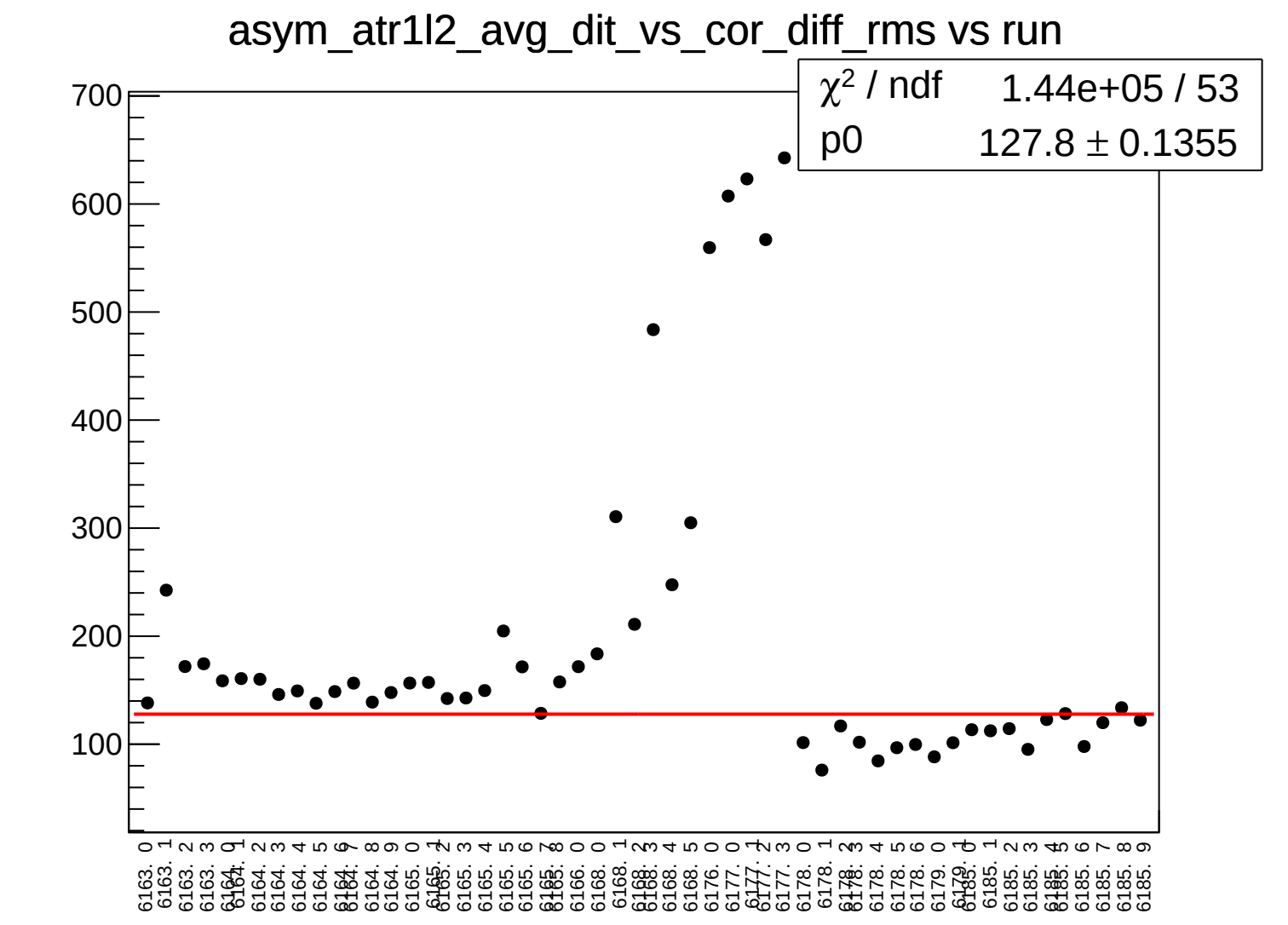
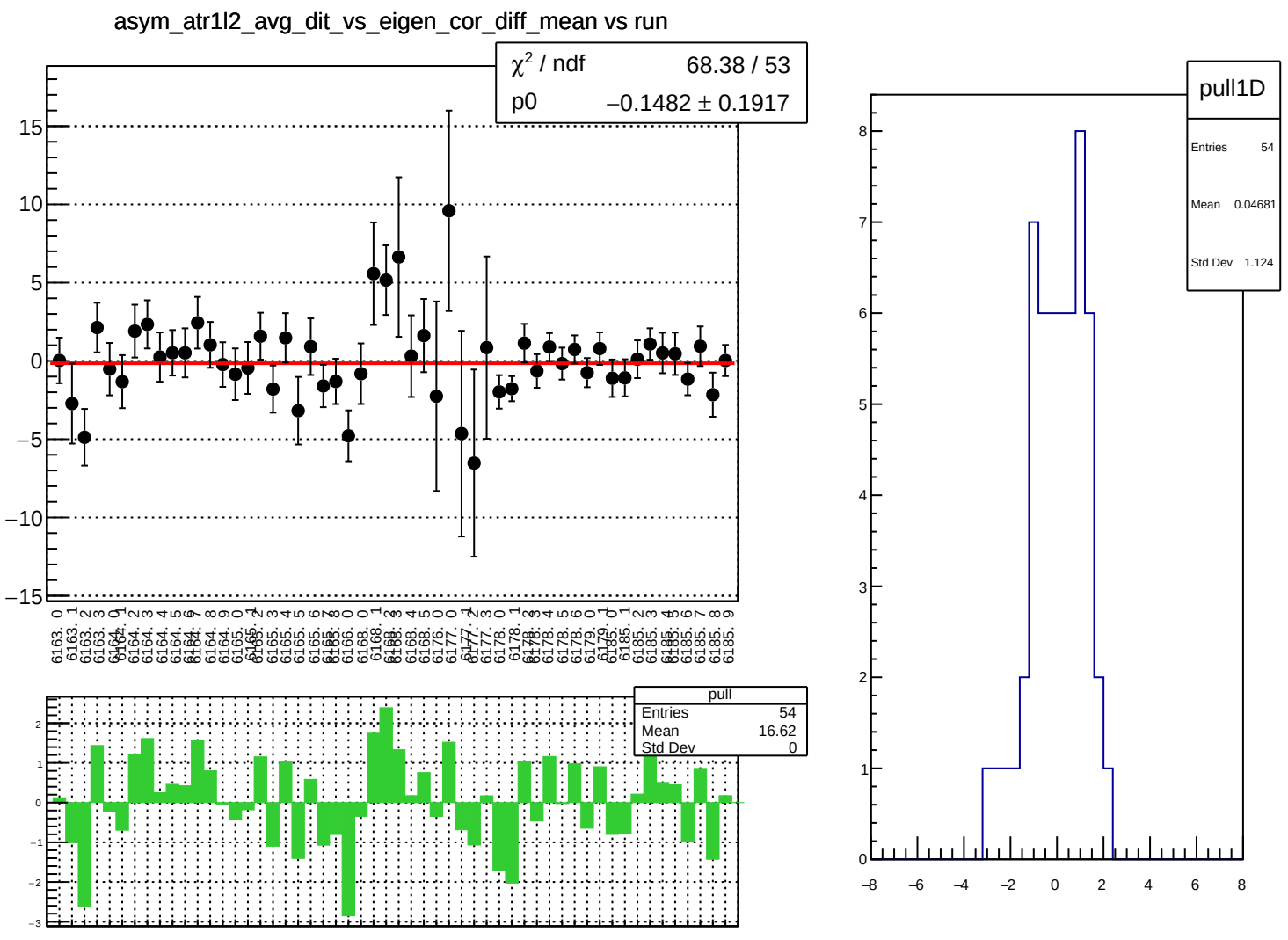
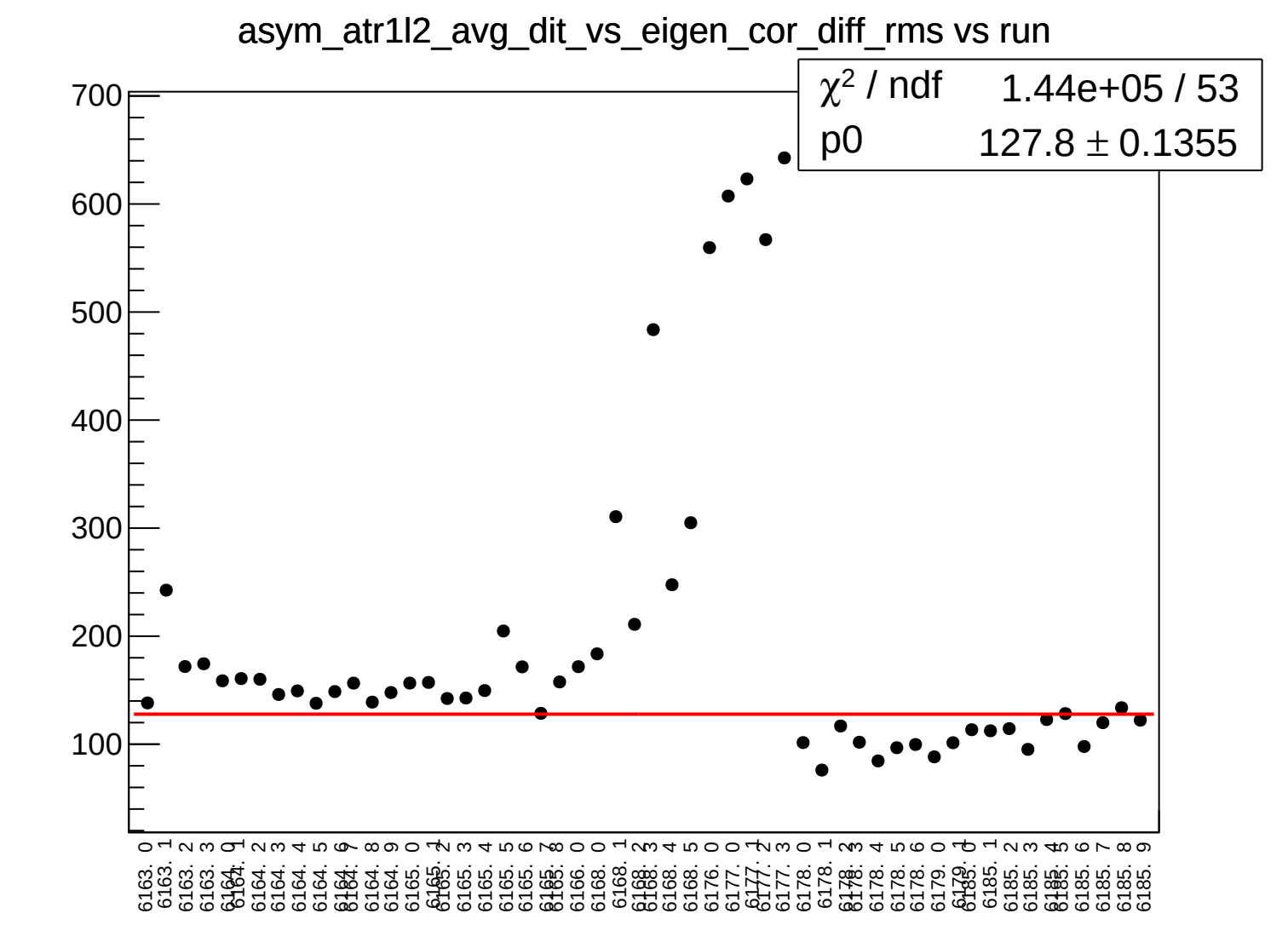
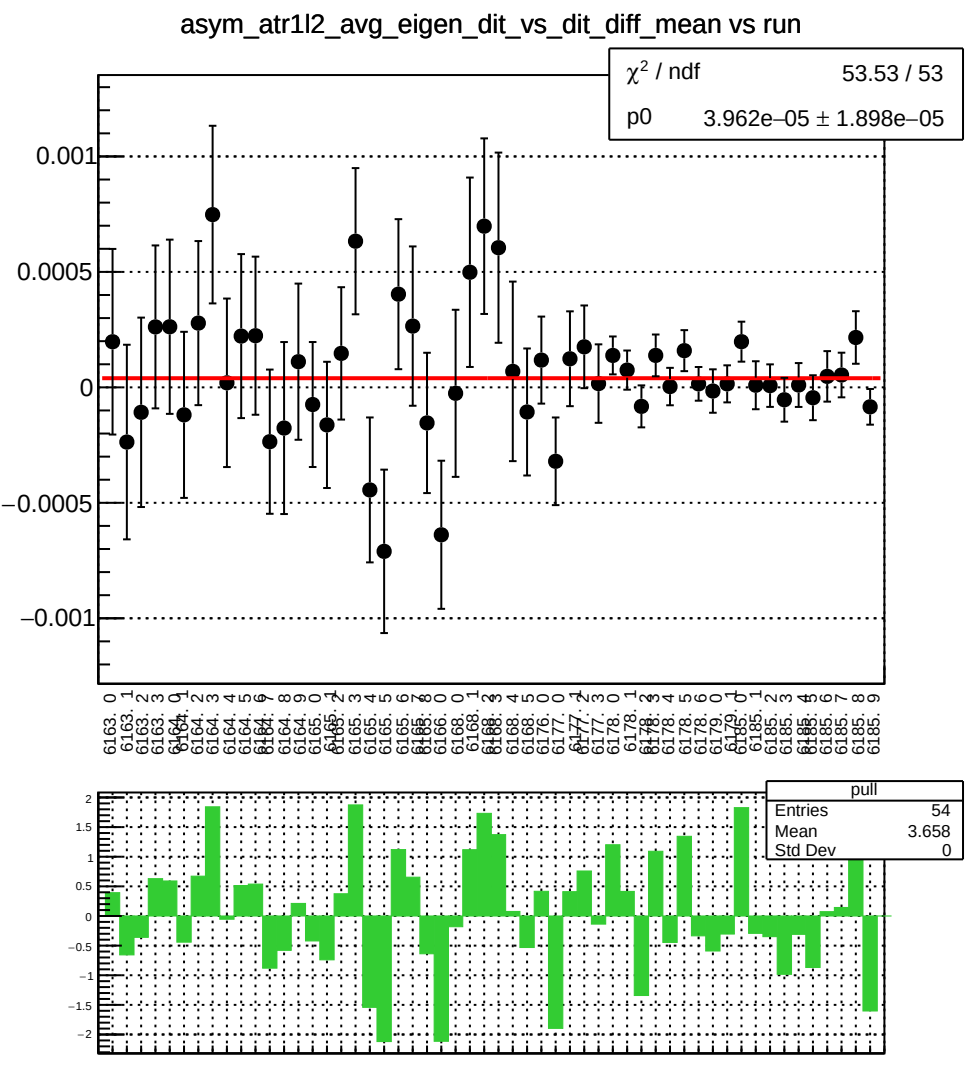
6185. 6
6185. 7
6185. 8
6185. 9

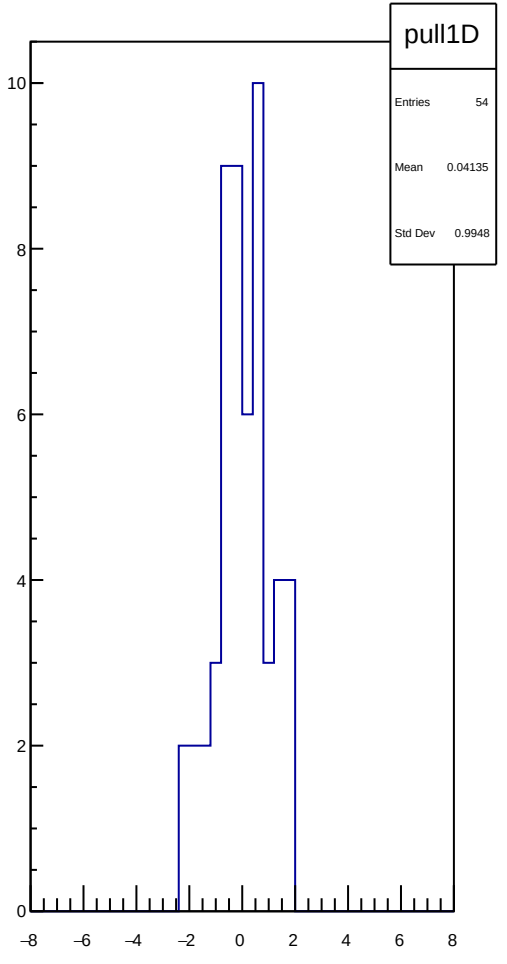

asym_atr1l2_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 68.38 / 53
p0 −0.1482 ± 0.1917
pull
Entries 54
Mean 16.62
Std Dev 0
pull1D
Entries 54
Mean 0.04681
Std Dev 1.124

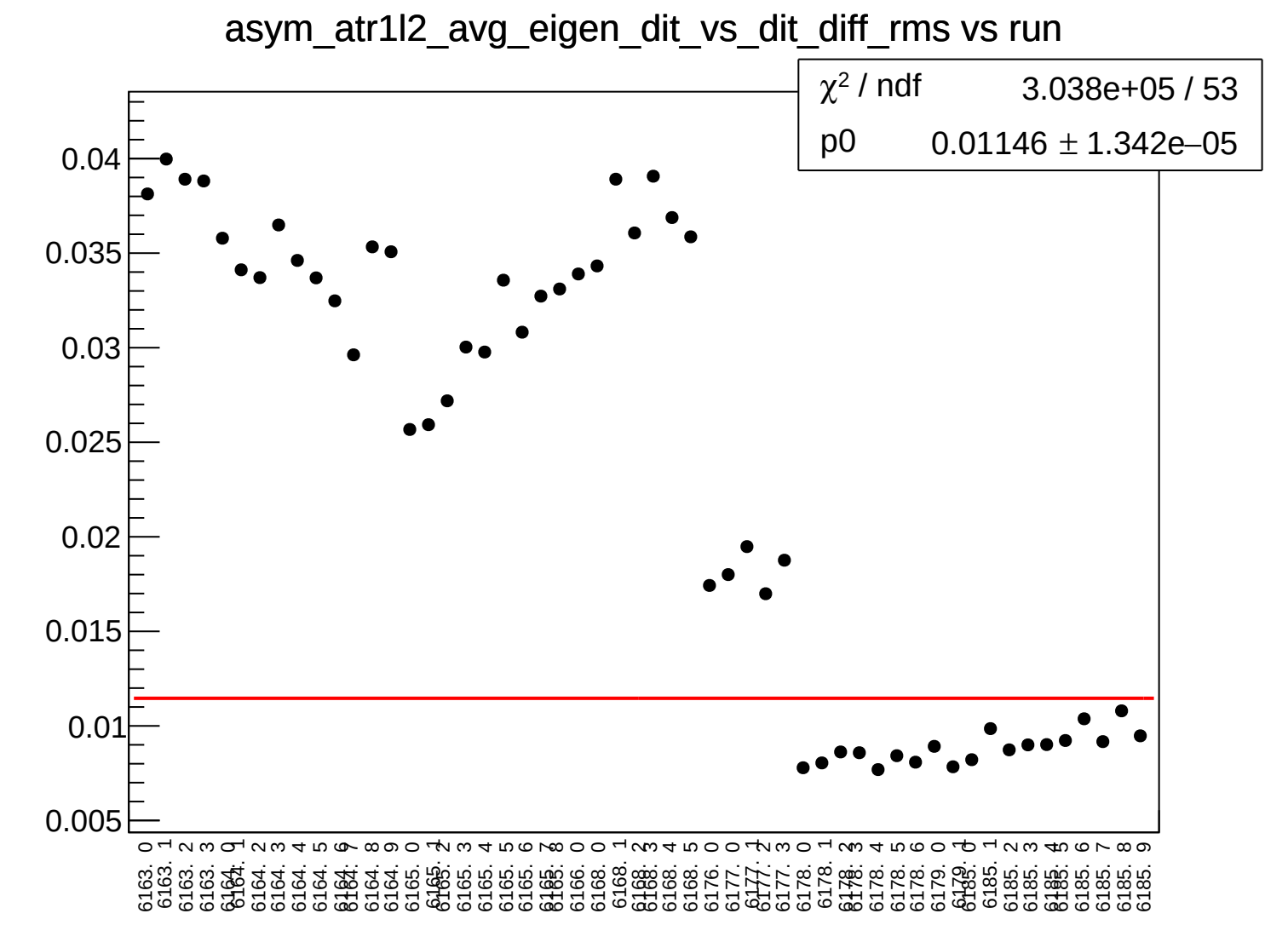

asym_atr1l2_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.44e+05 / 53
p0 127.8 ± 0.1355
700
600
500
400
300
200
100
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

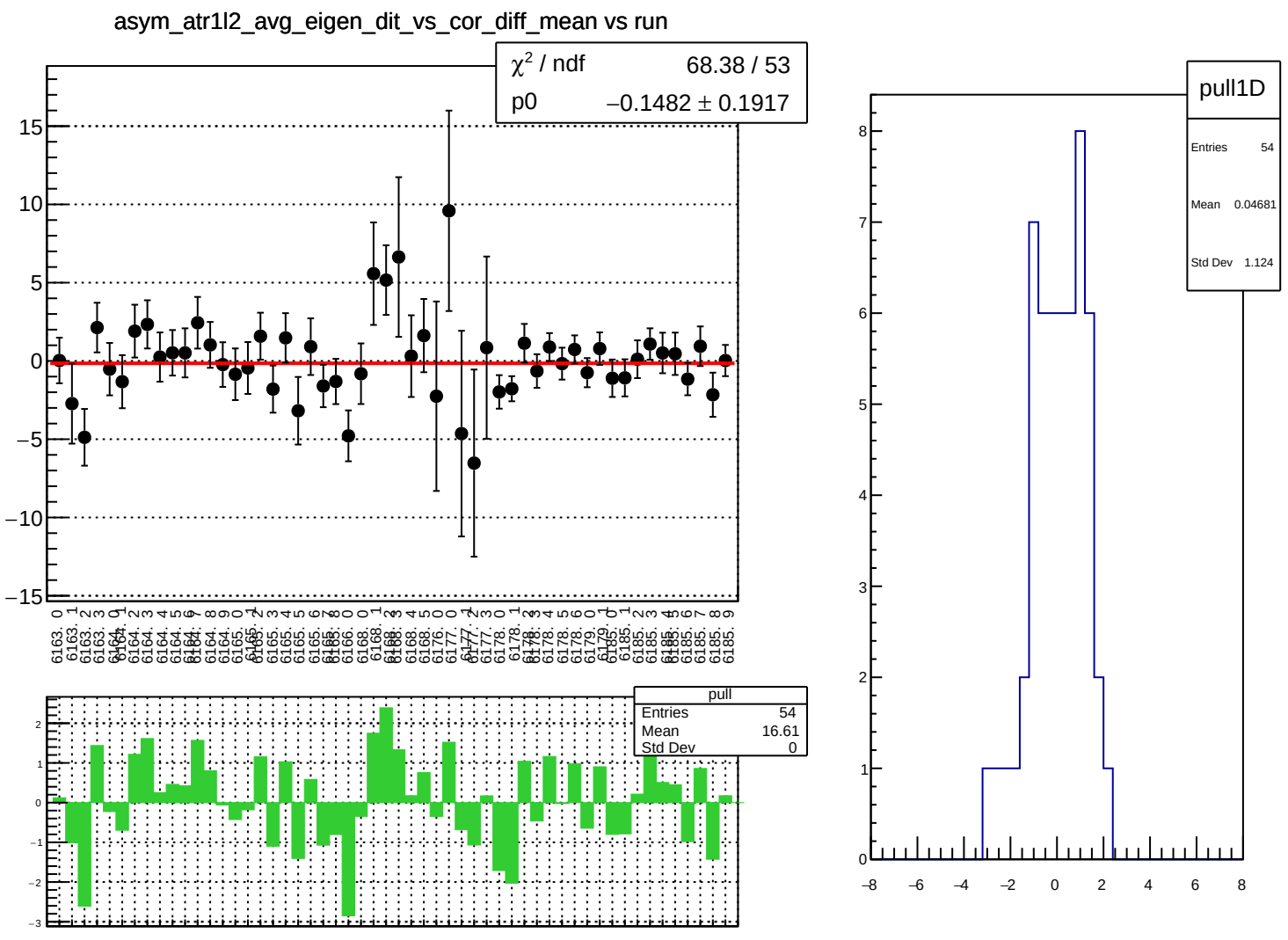

asym_atr1l2_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 68.38 / 53
p0 −0.1482 ± 0.1917
pull
Entries 54
Mean 16.62
Std Dev 0
pull1D
Entries 54
Mean 0.04681
Std Dev 1.124

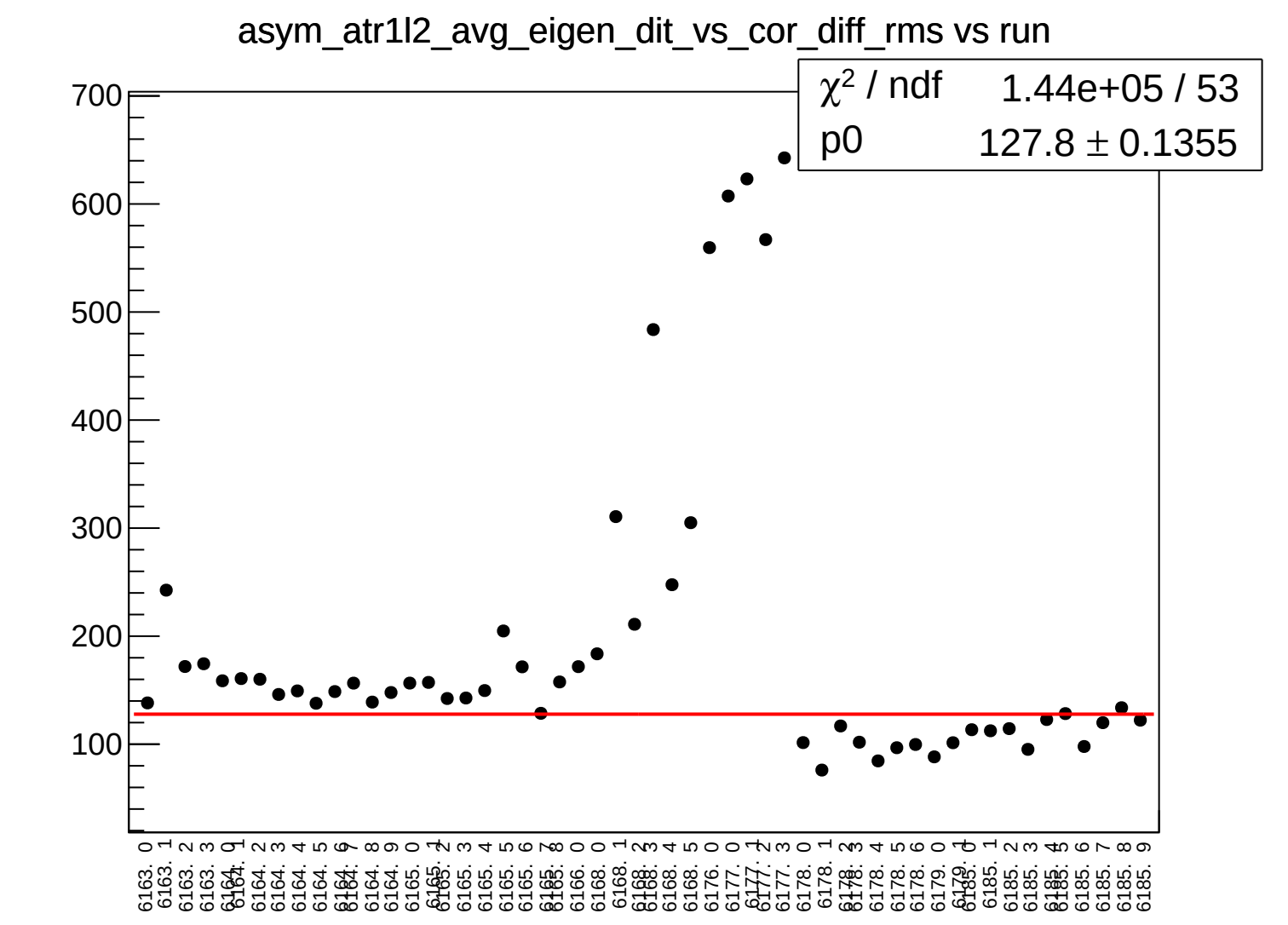

asym_atr1l2_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.44e+05 / 53
p0 127.8 ± 0.1355
700
600
500
400
300
200
100
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

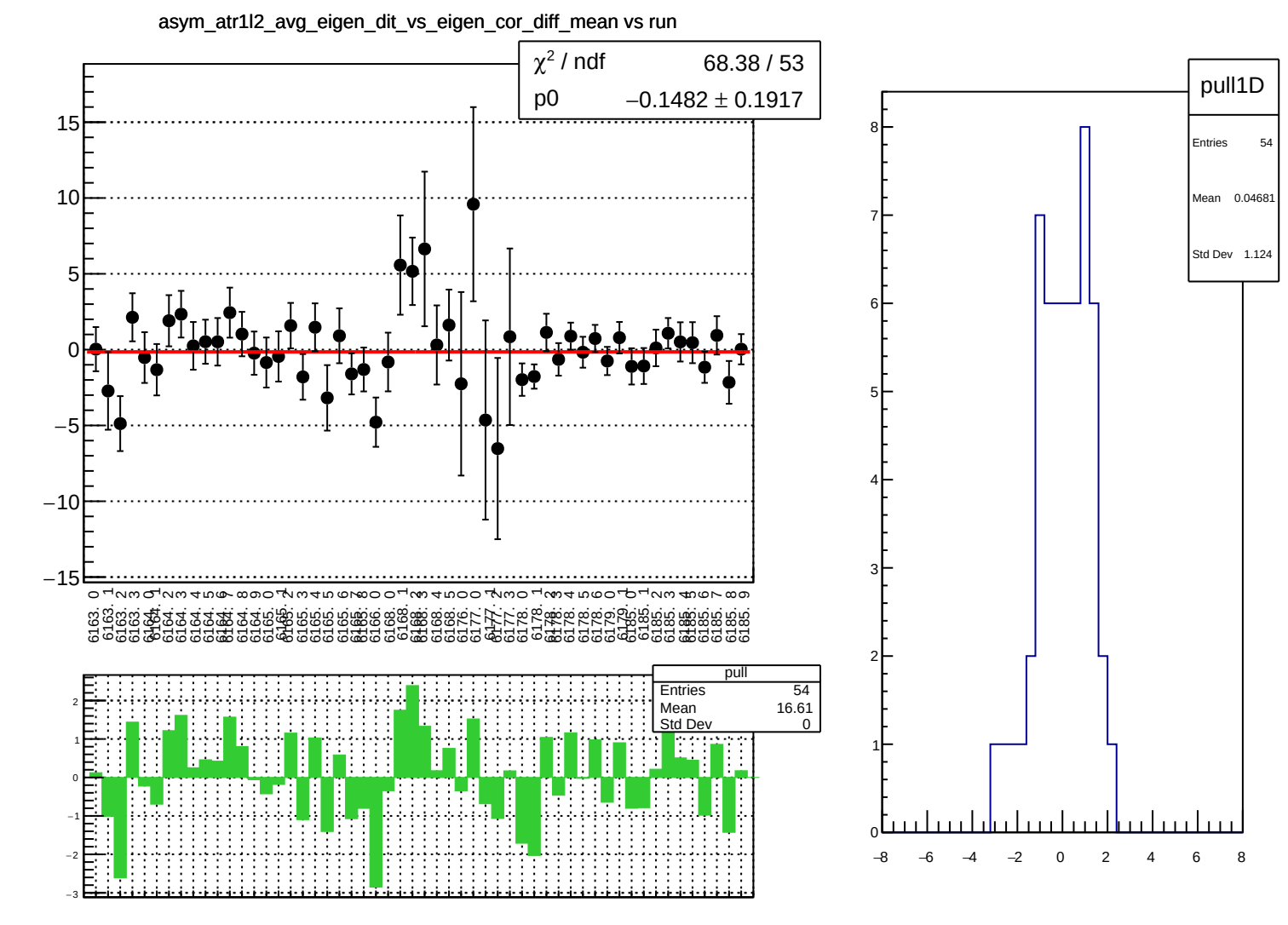

asym_atr1l2_avg_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 53.53 / 53
p0 3.962e−05 ± 1.898e−05
0.001
0.0005
0
−0.0005
−0.001
pull
Entries 54
Mean 3.658
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

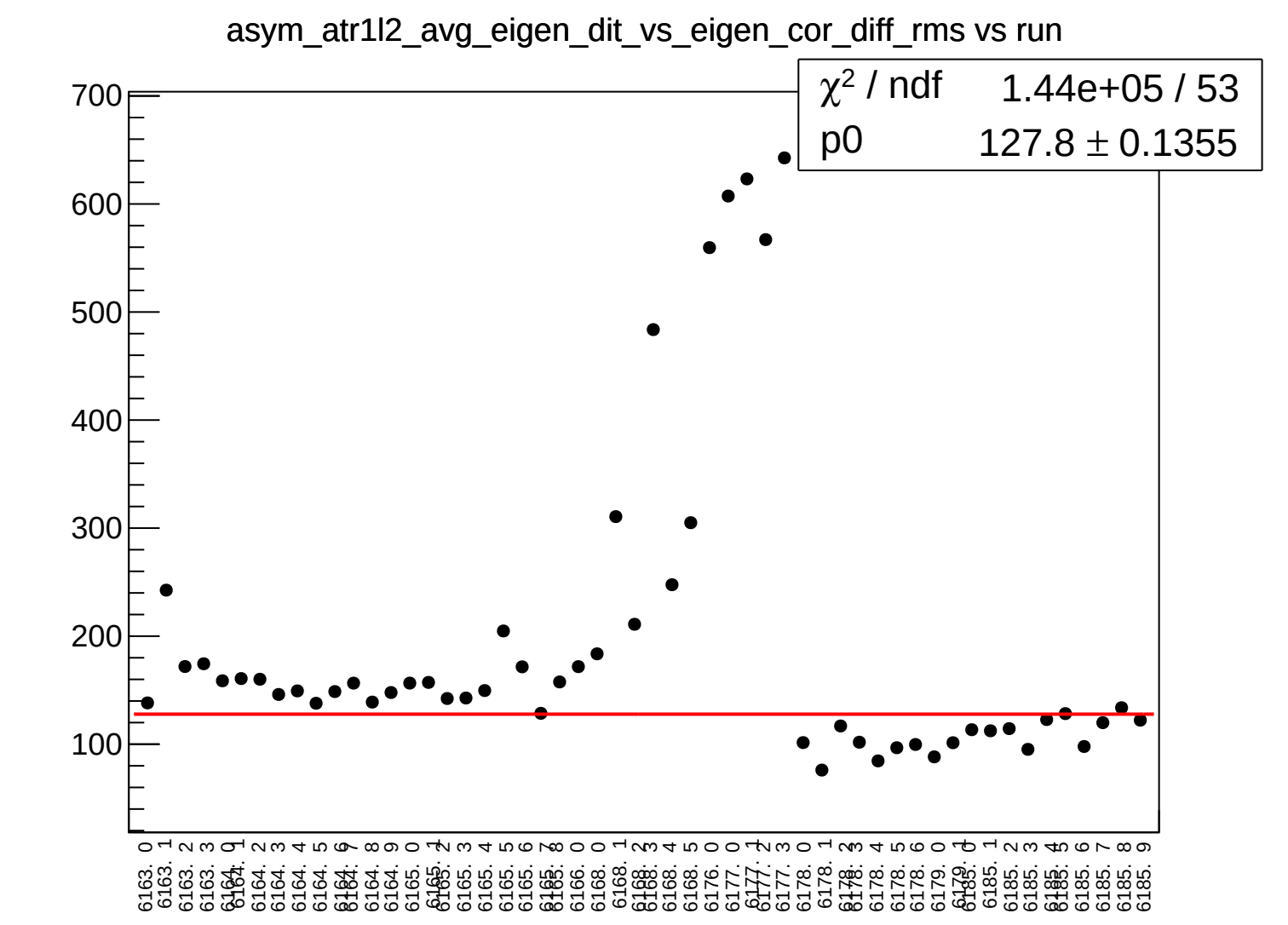

pull1D
Entries 54
Mean 0.04135
Std Dev 0.9948
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

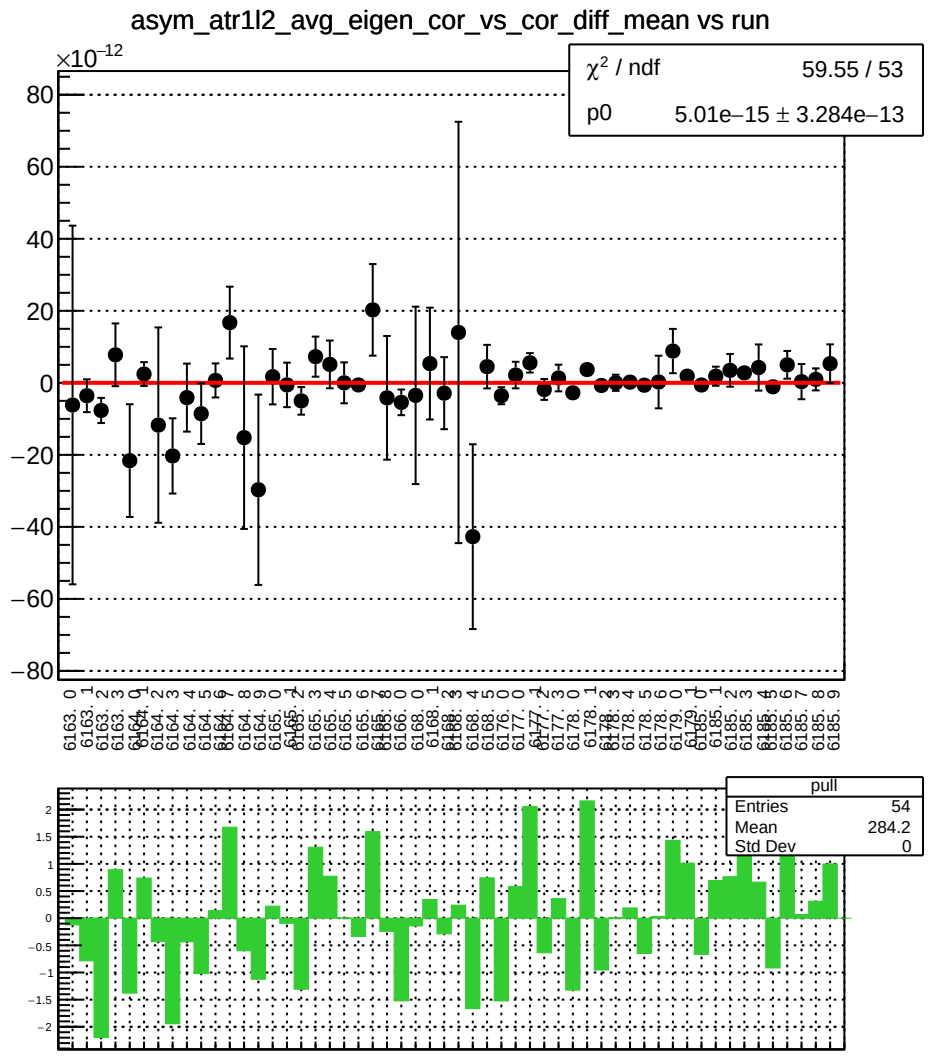

asym_atr1l2_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3.038e+05 / 53
p0 0.01146 ± 1.342e−05
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

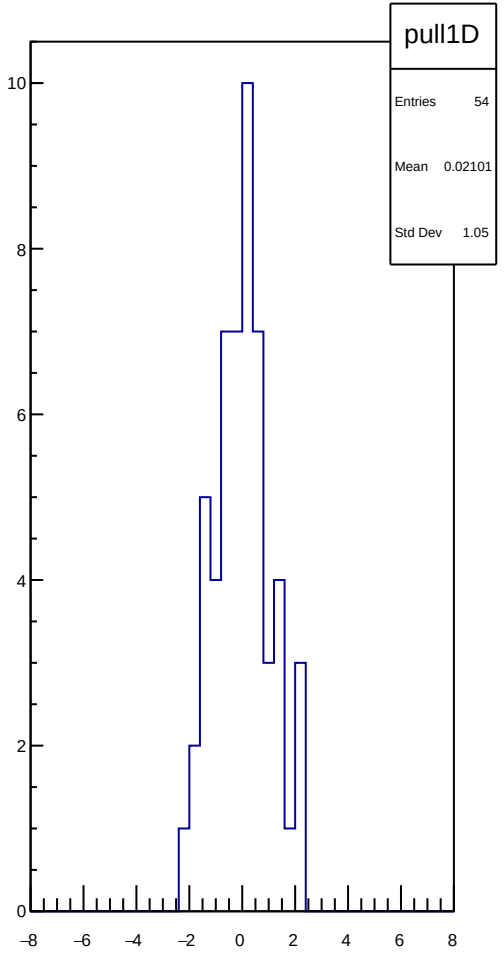

asym_atr1l2_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 68.38 / 53
p0 −0.1482 ± 0.1917
pull
Entries 54
Mean 16.61
Std Dev 0
pull1D
Entries 54
Mean 0.04681
Std Dev 1.124

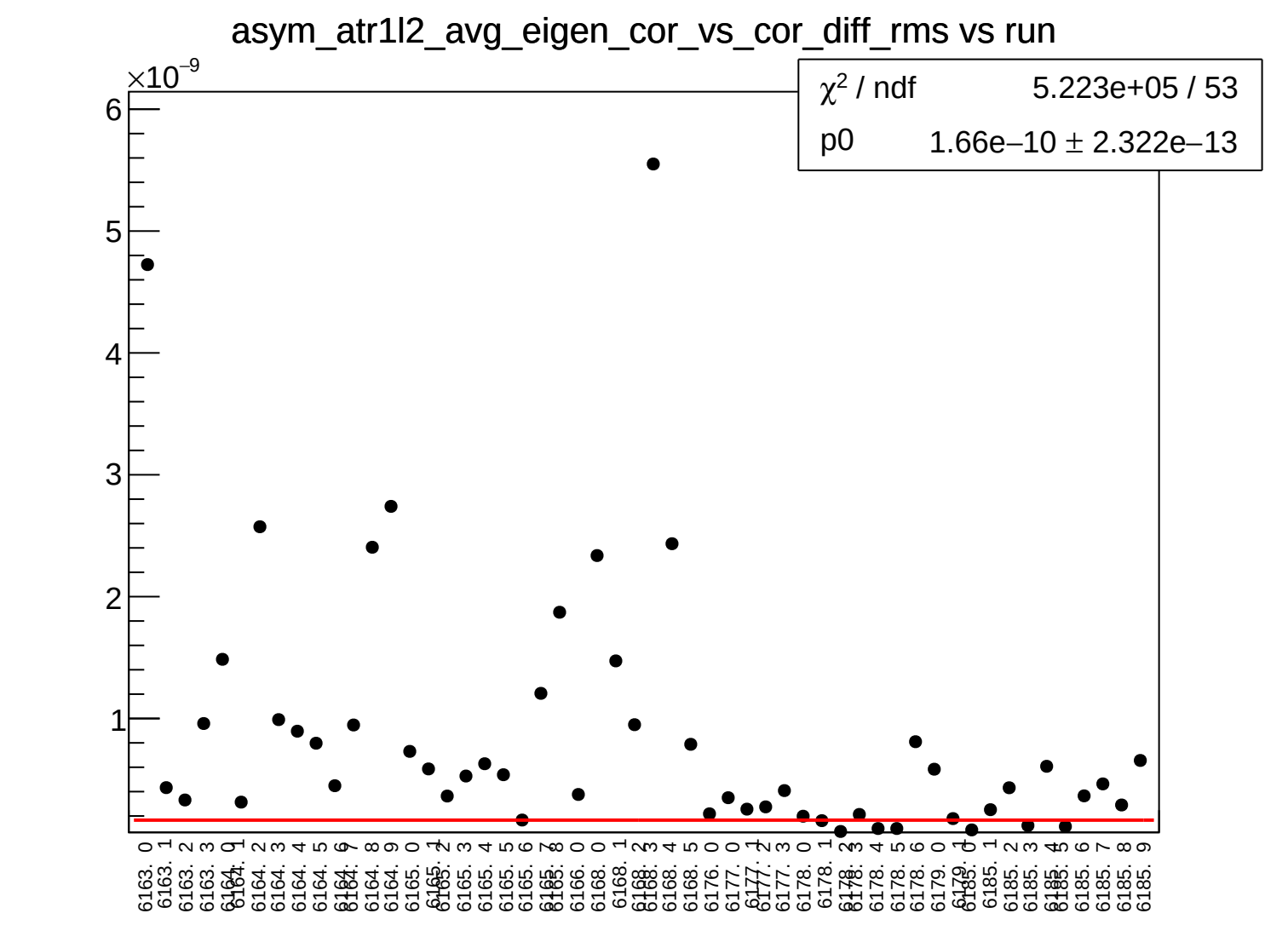

asym_atr1l2_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.44e+05 / 53
p0 127.8 ± 0.1355
700
600
500
400
300
200
100
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

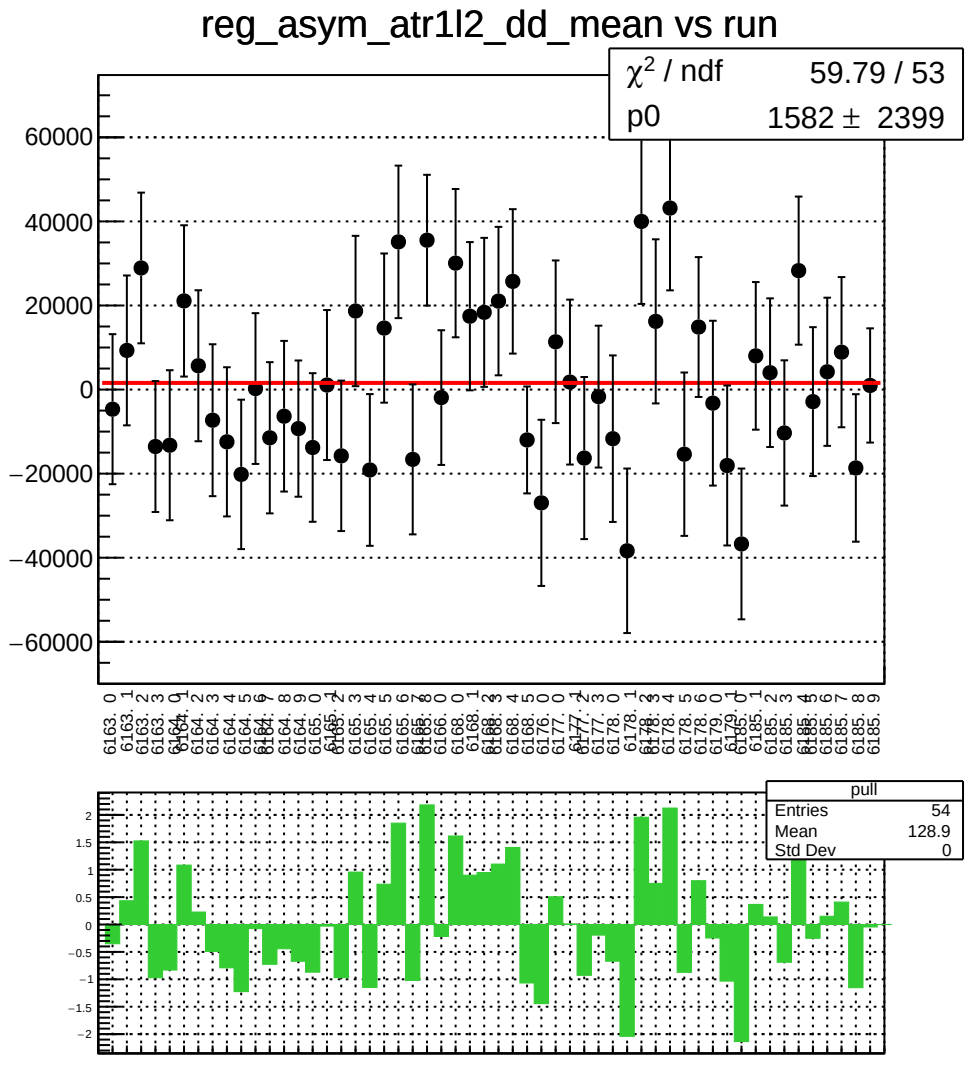

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 68.38 / 53
p0 −0.1482 ± 0.1917
pull
Entries 54
Mean 16.61
Std Dev 0
pull1D
Entries 54
Mean 0.04681
Std Dev 1.124

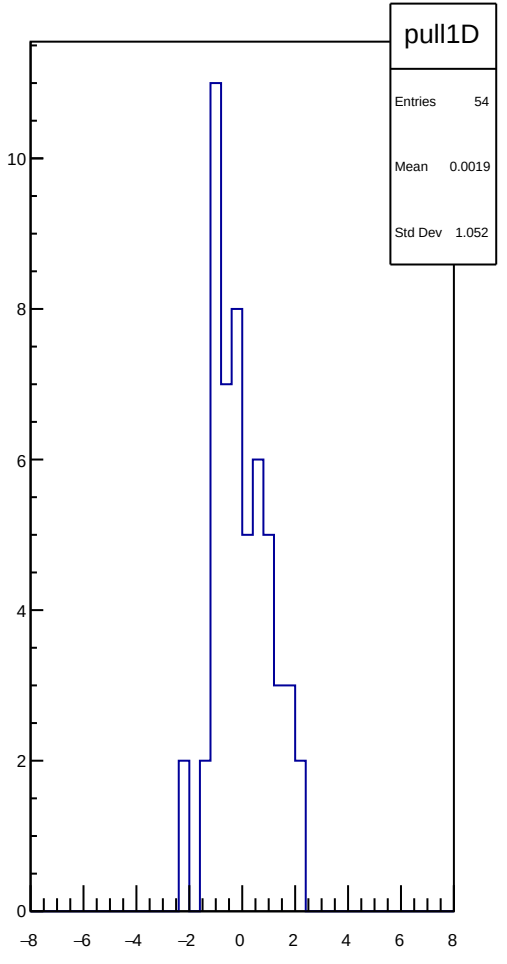

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.44e+05 / 53
p0 127.8 ± 0.1355
700
600
500
400
300
200
100
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

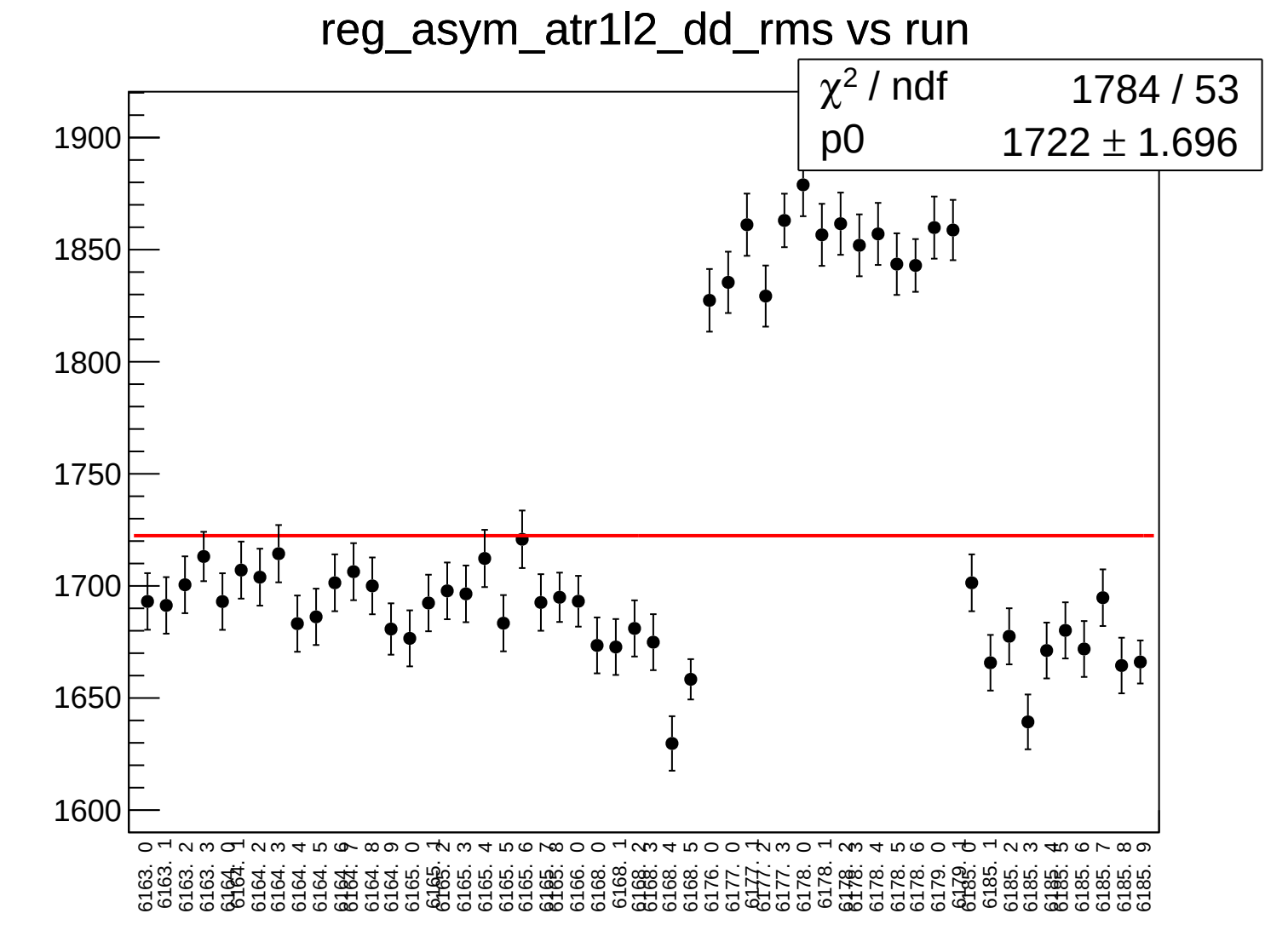

asym_atr1l2_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 59.55 / 53
p0 5.01e−15 ± 3.284e−13
pull
Entries 54
Mean 284.2
Std Dev 0

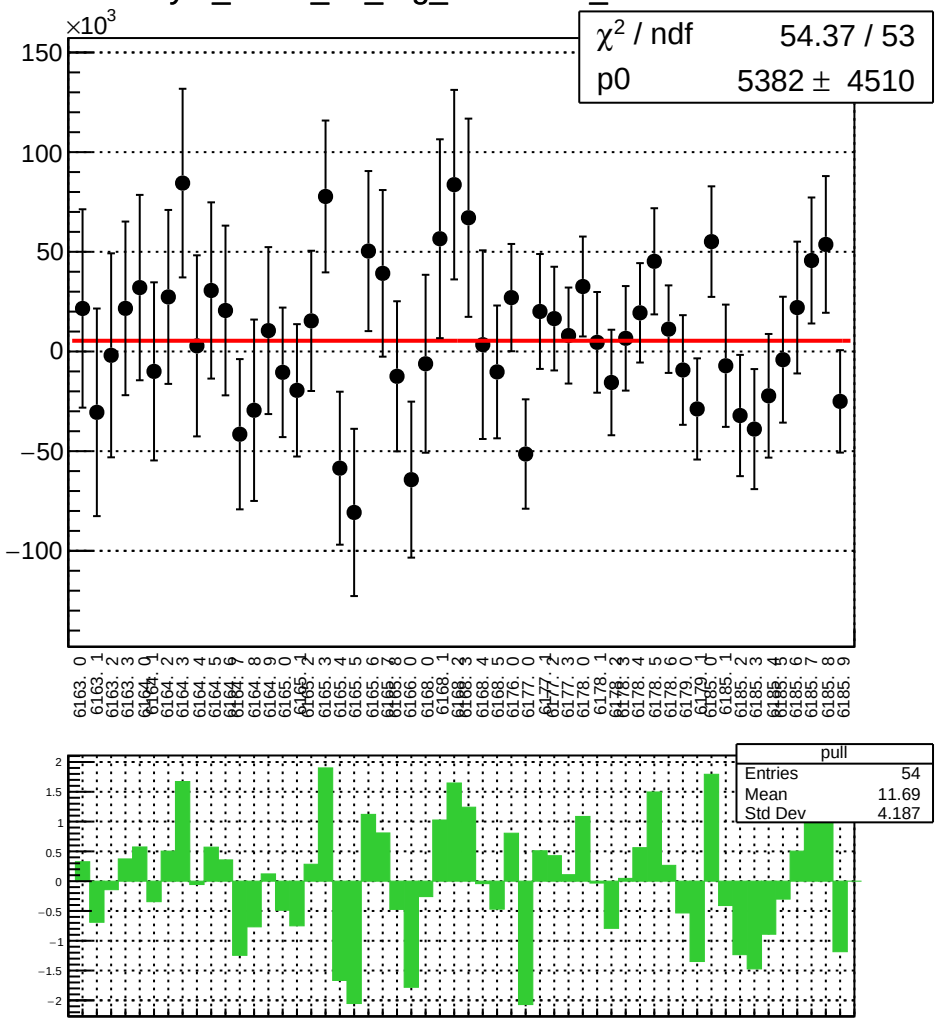

pull1D
Entries 54
Mean 0.02101
Std Dev 1.05

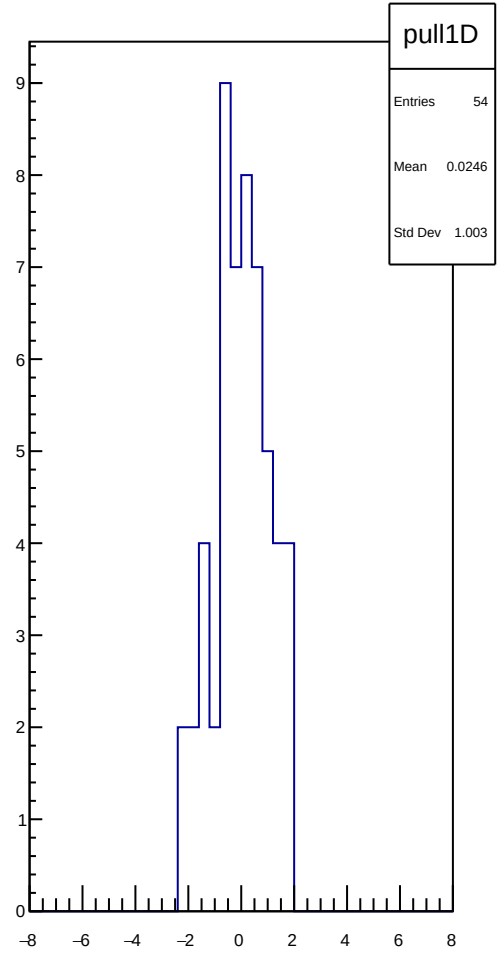

asym_atr1l2_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.223e+05 / 53
p0 1.66e−10 ± 2.322e−13
6
5
4
3
2
1
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

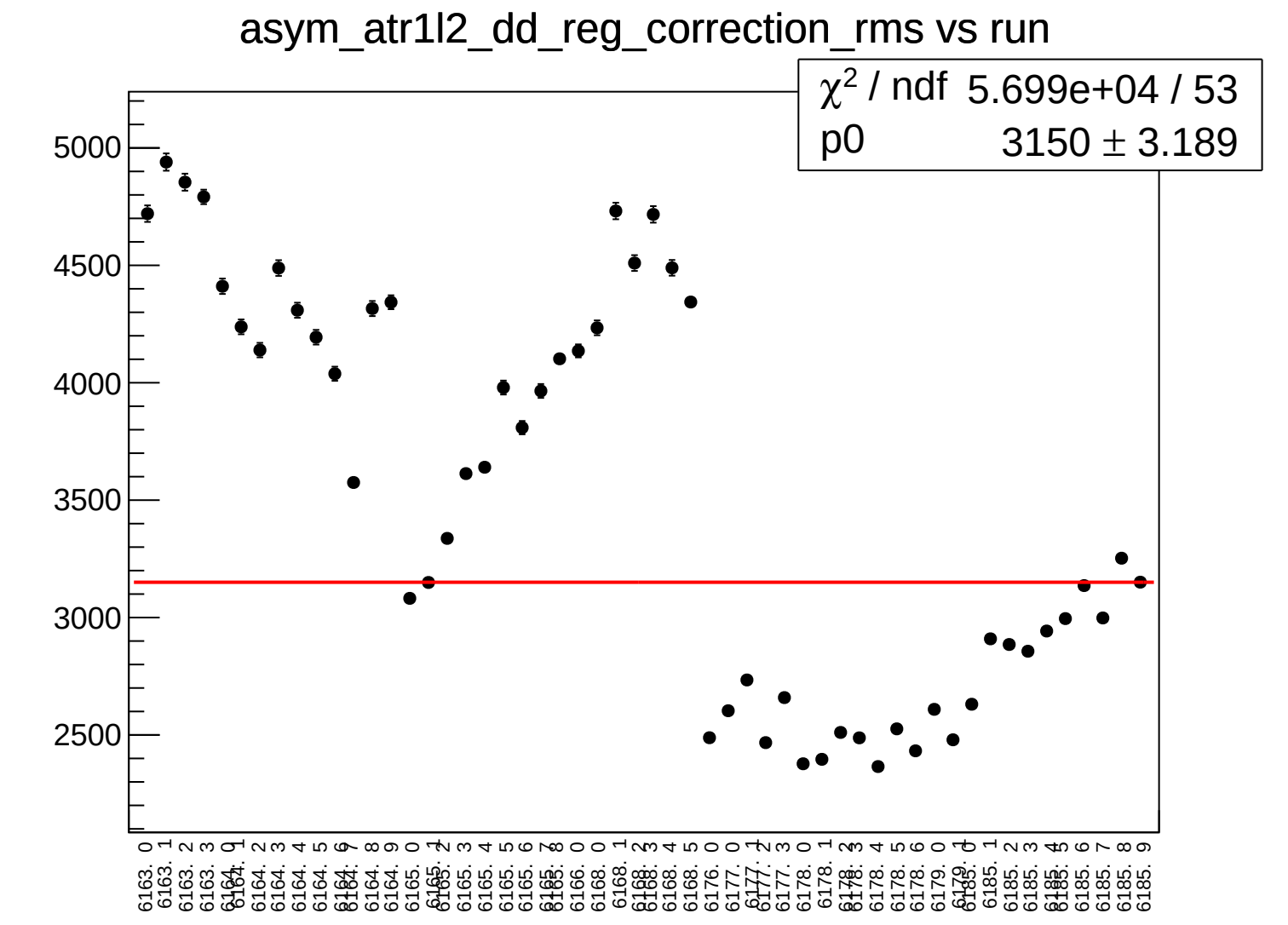

reg_asym_atr1l2_dd_mean vs run
χ² / ndf 59.79 / 53
p0 1582 ± 2399
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 128.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

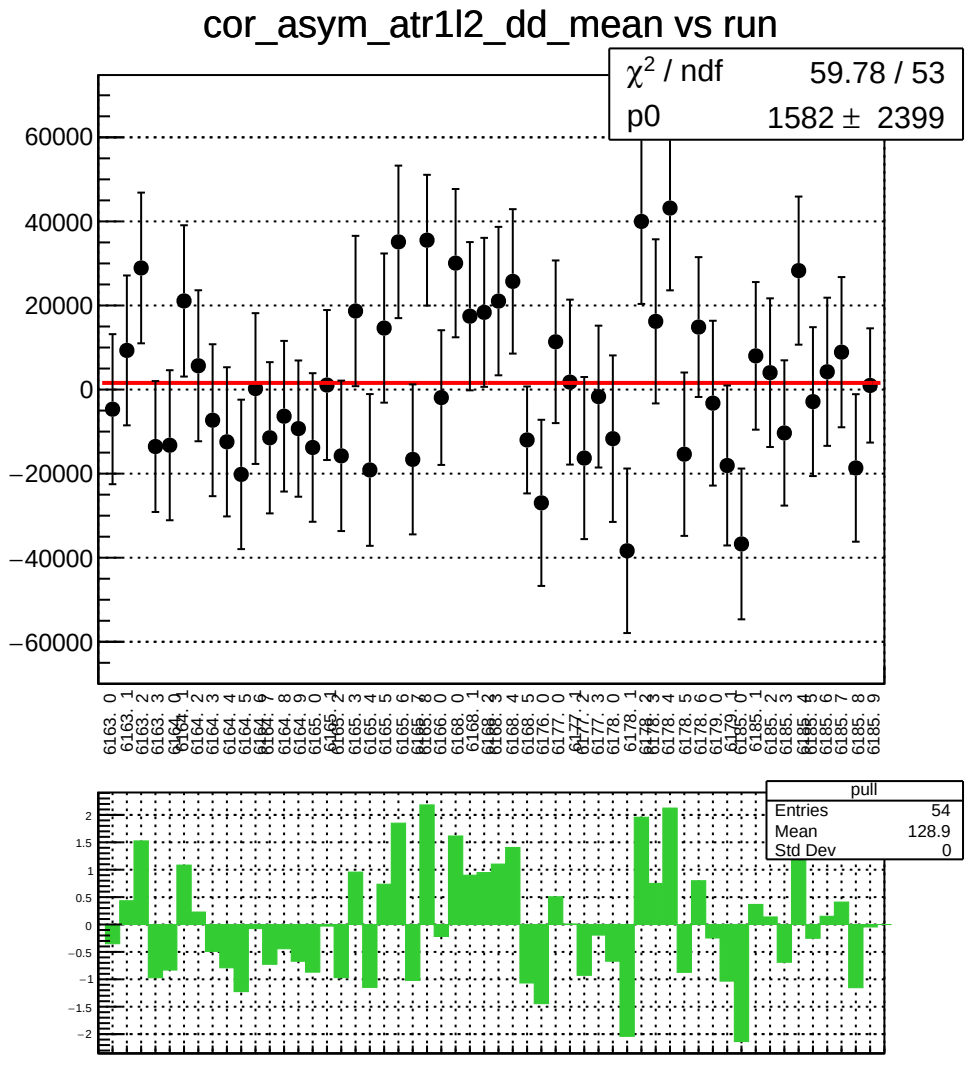

pull1D
Entries 54
Mean 0.0019
Std Dev 1.052
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

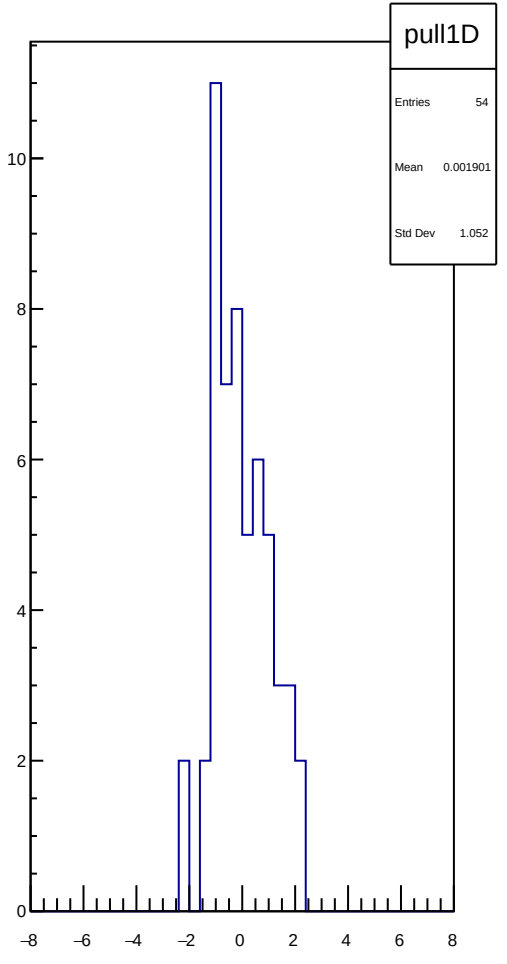

reg_asym_atr1l2_dd_rms vs run
χ² / ndf 1784 / 53
p0 1722 ± 1.696
1900
1850
1800
1750
1700
1650
1600
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

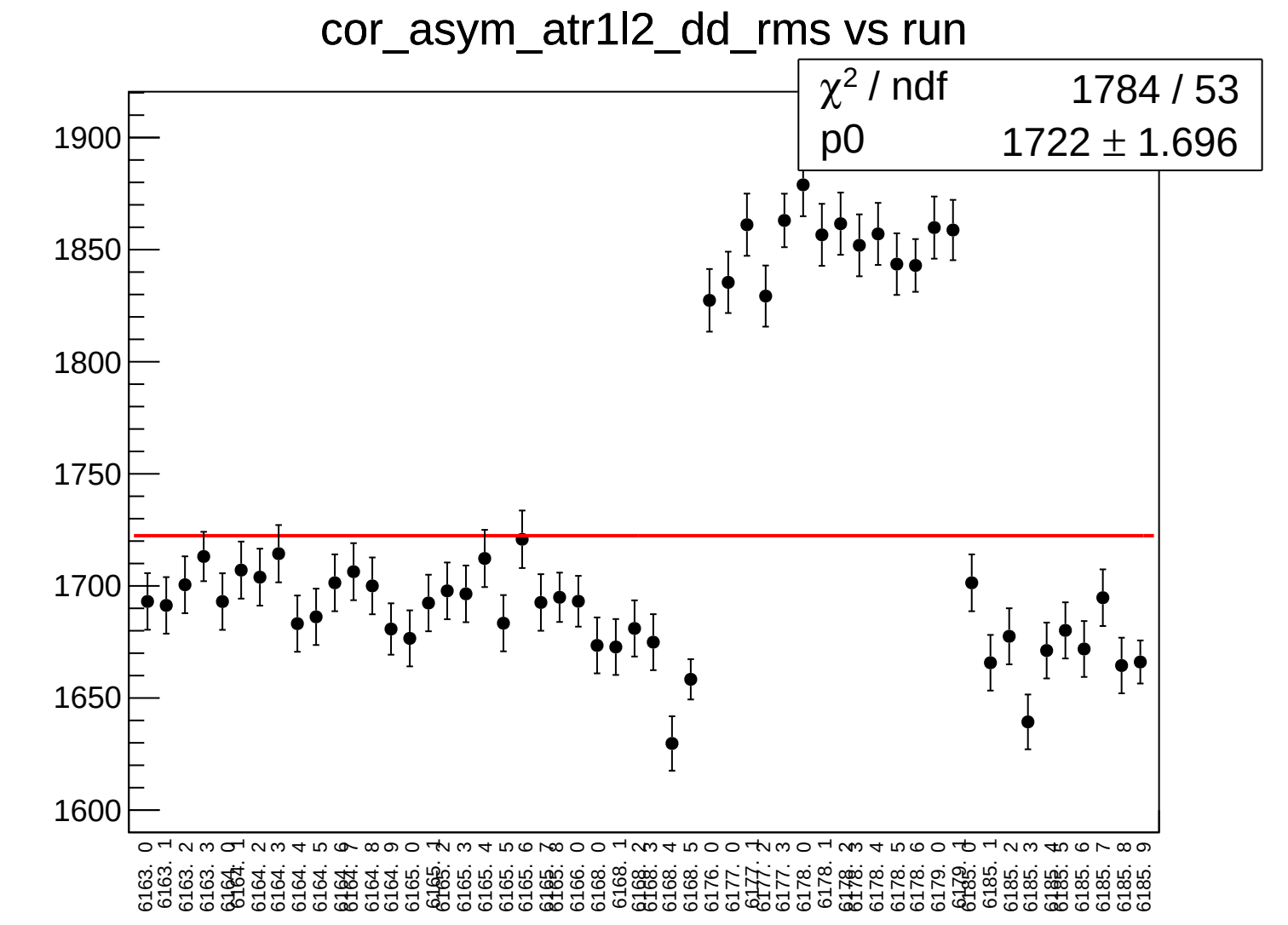

asym_atr1l2_dd_reg_correction_mean vs run
×10^3
χ² / ndf 54.37 / 53
p0 5382 ± 4510
150
100
50
0
−50
−100
pull
Entries 54
Mean 11.69
Std Dev 4.187
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

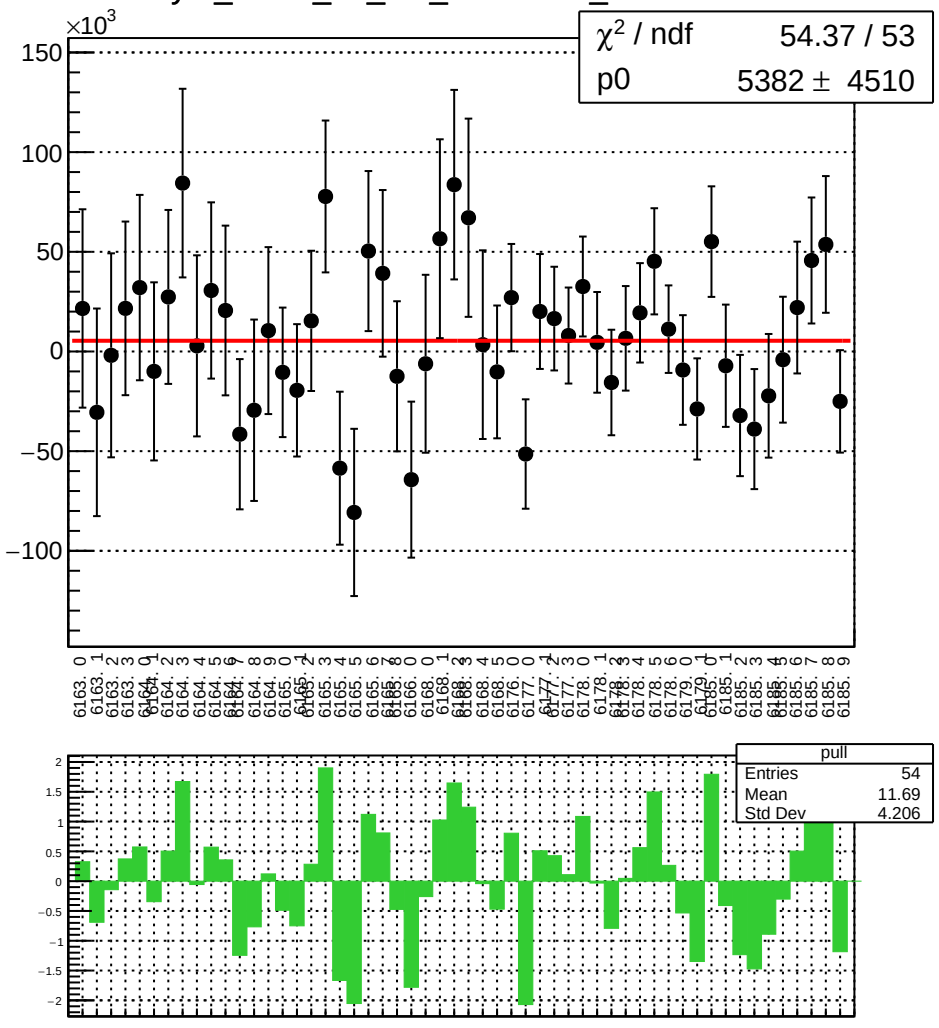

pull1D
Entries 54
Mean 0.0246
Std Dev 1.003
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

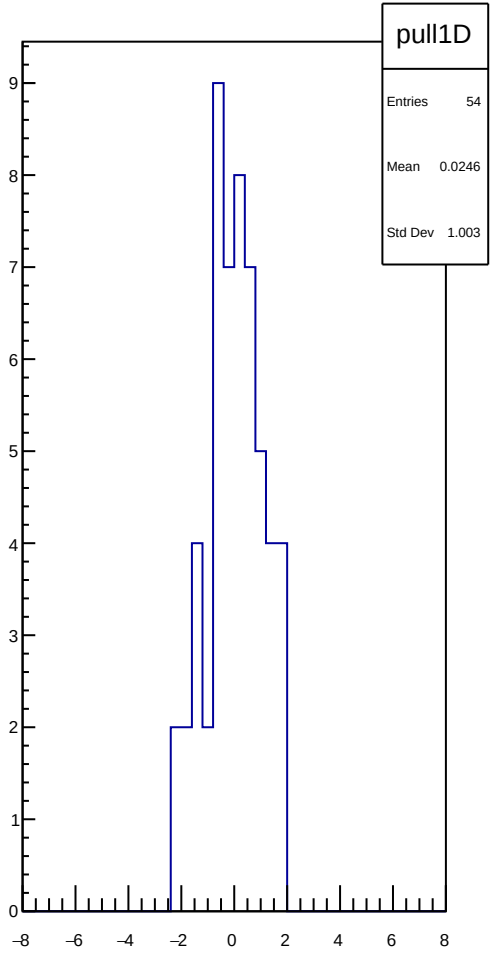

asym_atr1l2_dd_reg_correction_rms vs run
χ² / ndf 5.699e+04 / 53
p0 3150 ± 3.189
5000
4500
4000
3500
3000
2500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

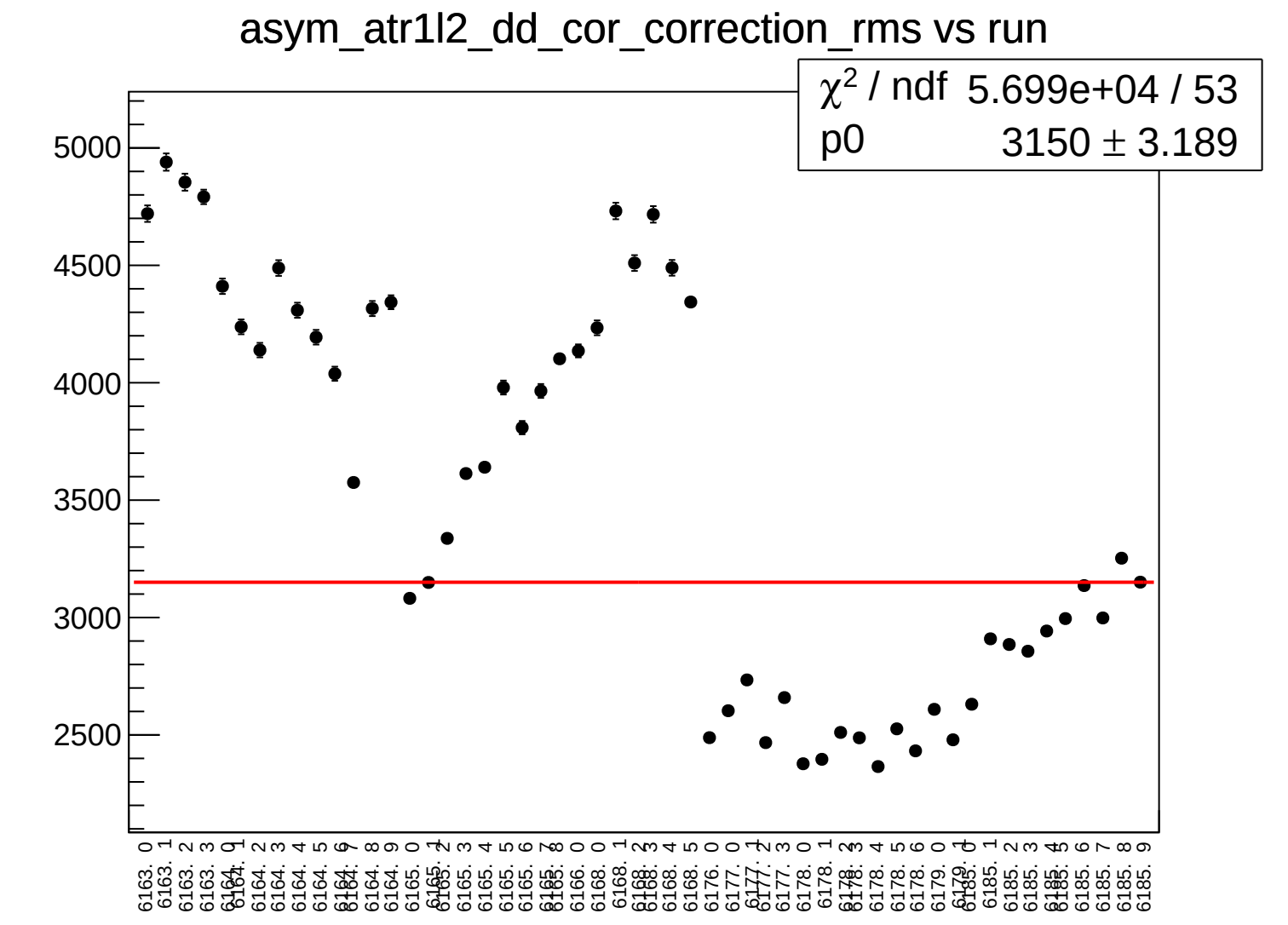

cor_asym_atr1l2_dd_mean vs run
χ² / ndf 59.78 / 53
p0 1582 ± 2399
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 128.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

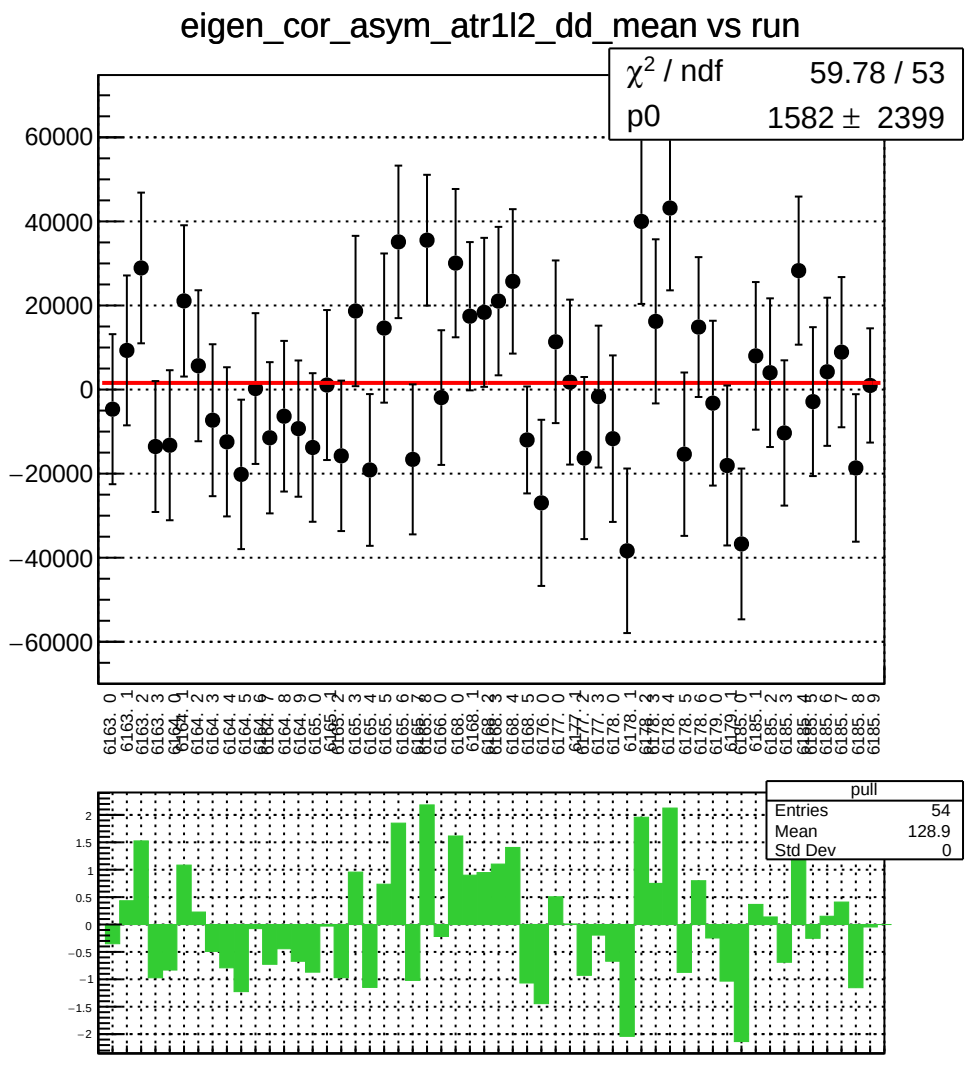

pull1D
Entries 54
Mean 0.001901
Std Dev 1.052
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

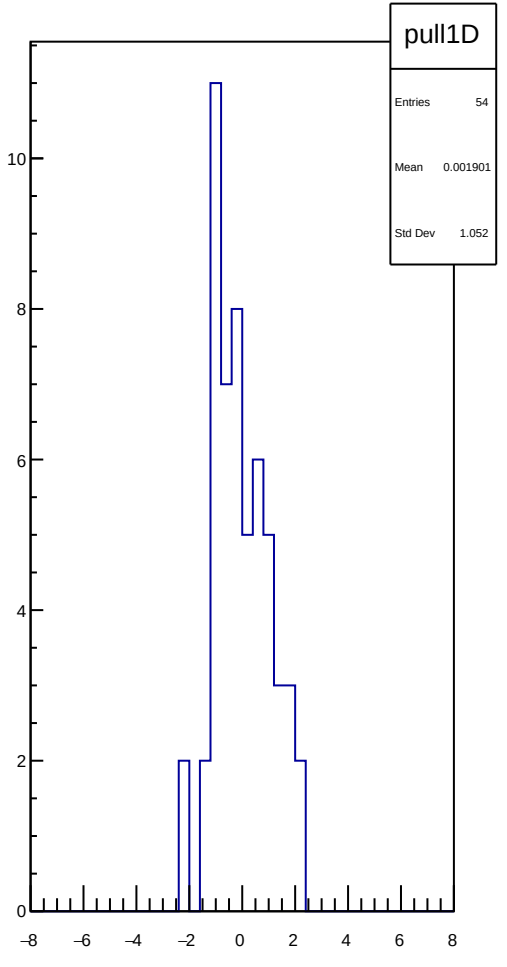

cor_asym_atr1l2_dd_rms vs run
χ² / ndf 1784 / 53
p0 1722 ± 1.696
1900
1850
1800
1750
1700
1650
1600
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

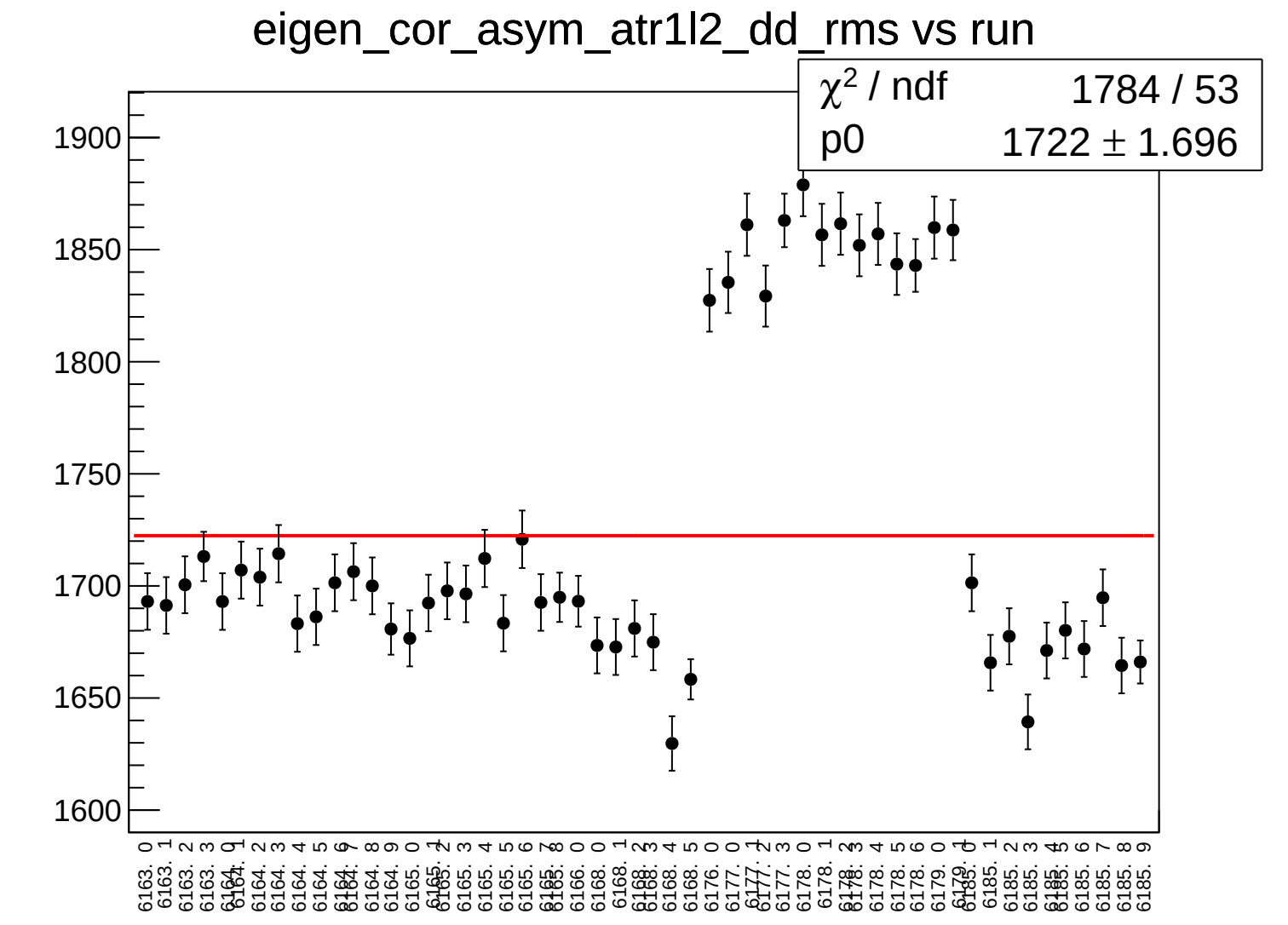

asym_atr1l2_dd_cor_correction_mean vs run
×10^3
χ² / ndf 54.37 / 53
p0 5382 ± 4510
150
100
50
0
−50
−100
pull
Entries 54
Mean 11.69
Std Dev 4.206
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

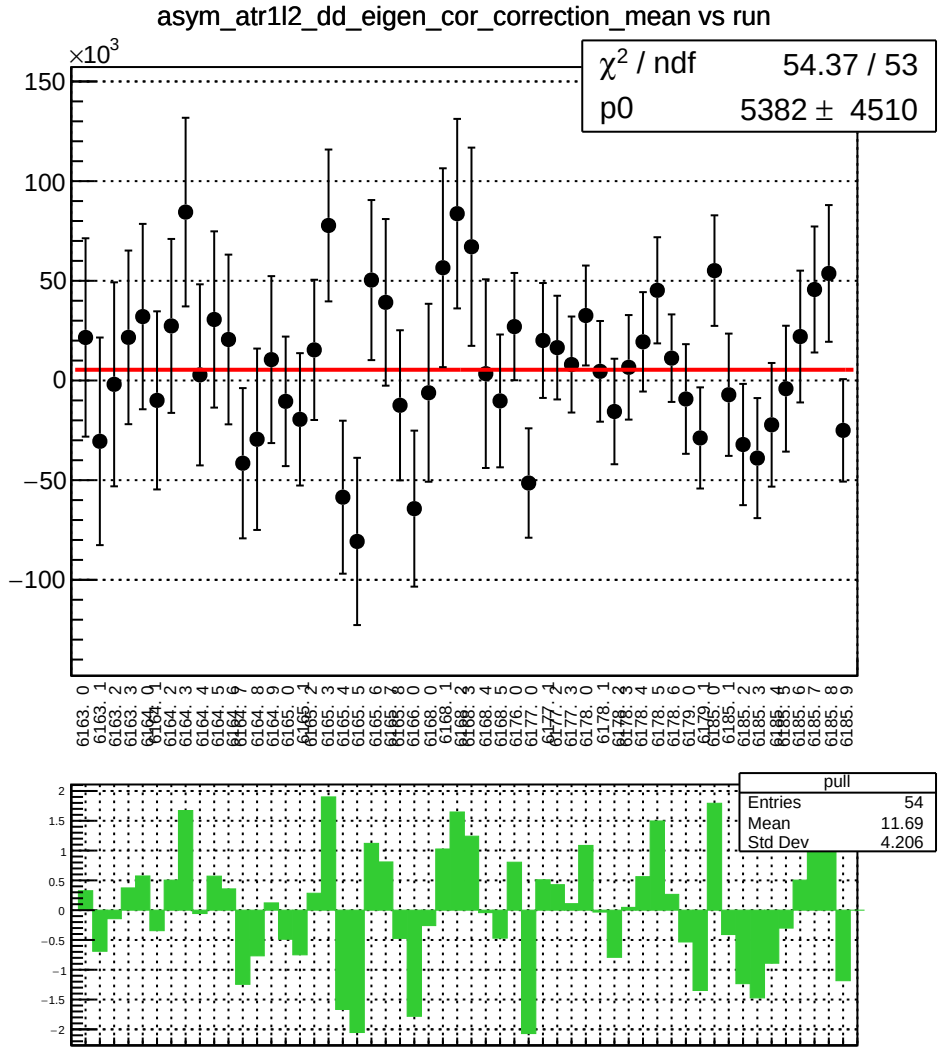

pull1D
Entries 54
Mean 0.0246
Std Dev 1.003
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

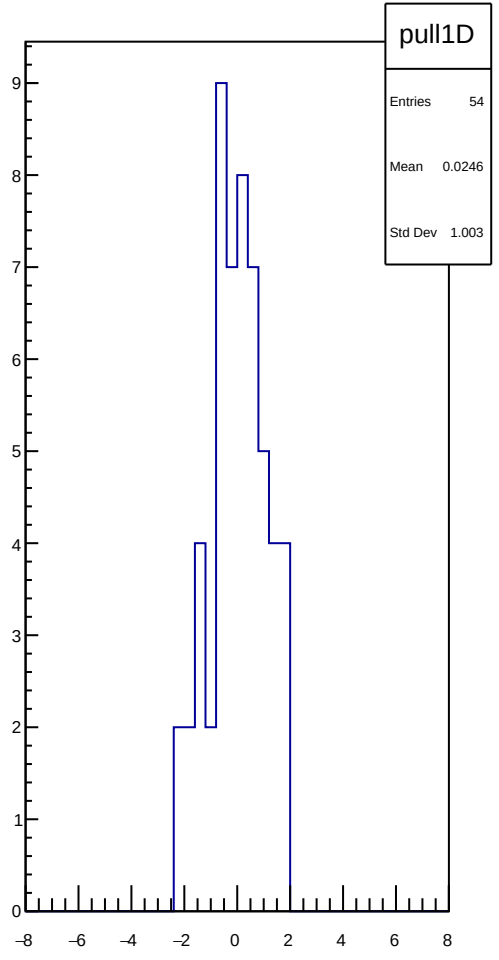

asym_atr1l2_dd_cor_correction_rms vs run
χ² / ndf 5.699e+04 / 53
p0 3150 ± 3.189
5000
4500
4000
3500
3000
2500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

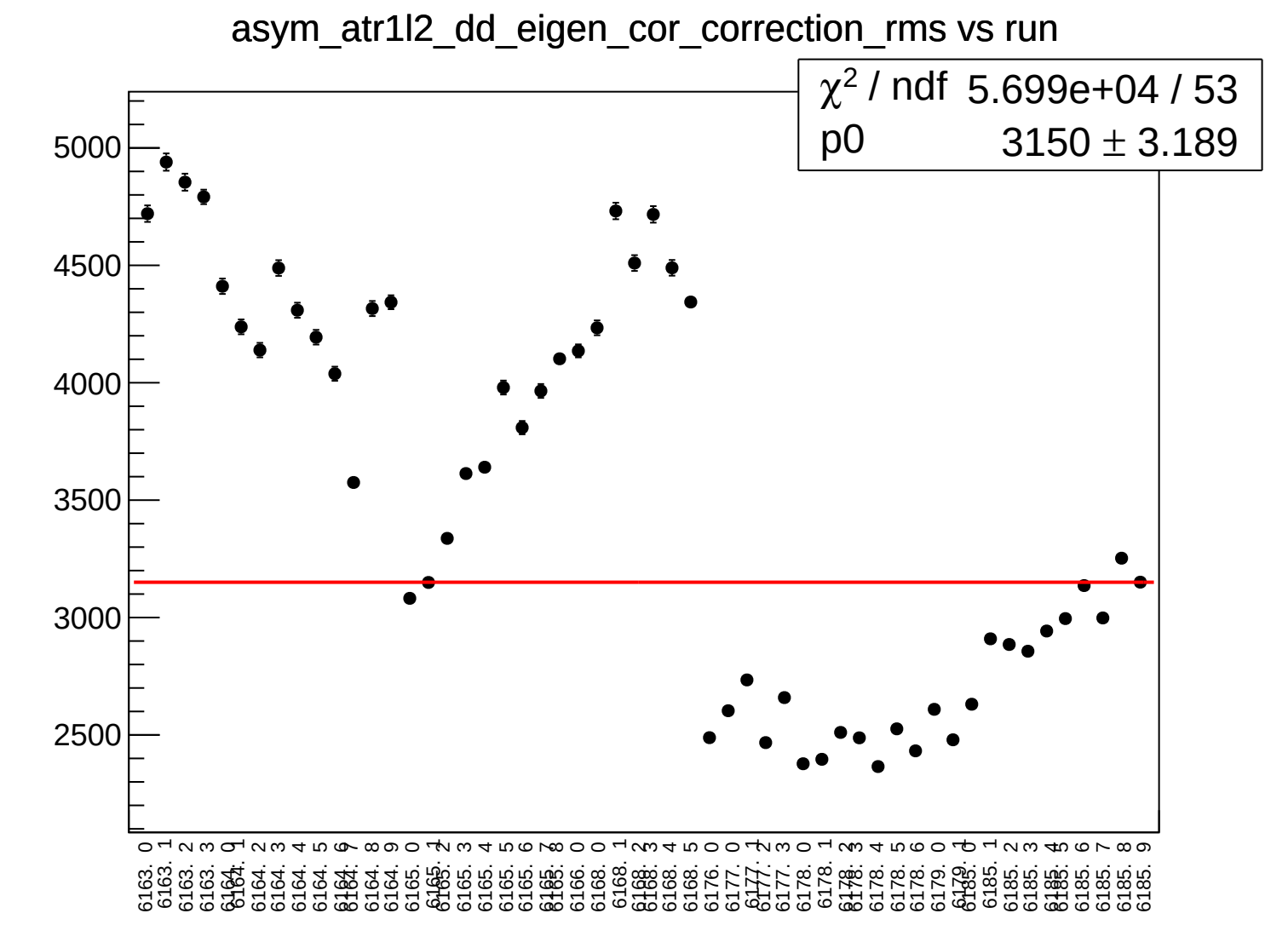

eigen_cor_asym_atr1l2_dd_mean vs run
χ² / ndf 59.78 / 53
p0 1582 ± 2399
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 128.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

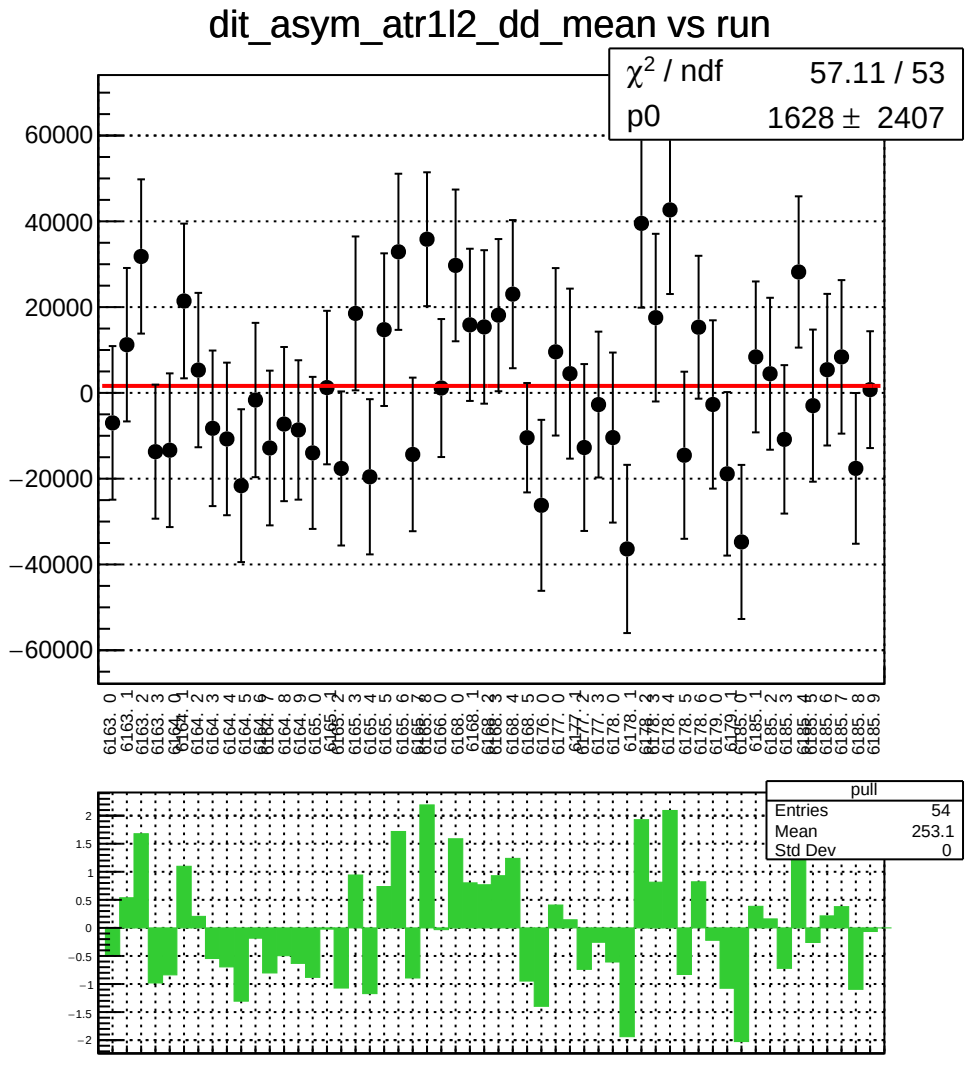

pull1D
Entries 54
Mean 0.001901
Std Dev 1.052
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

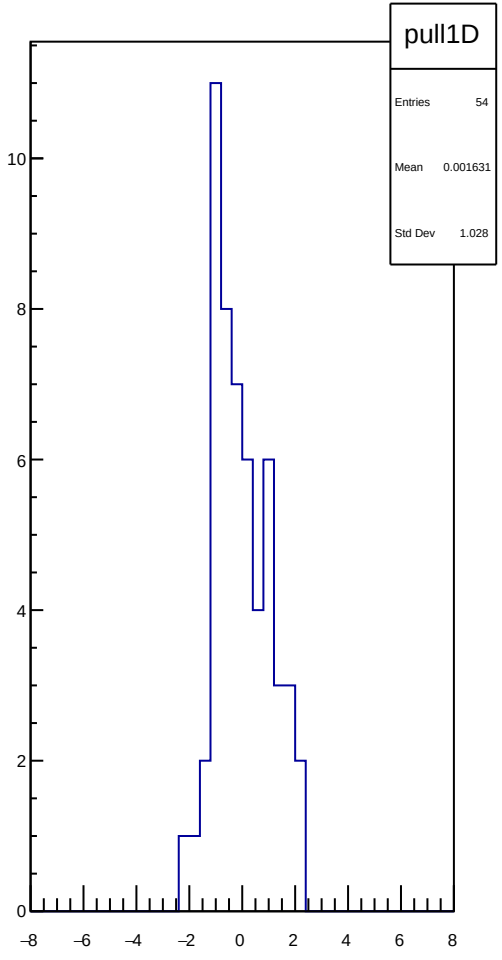

eigen_cor_asym_atr1l2_dd_rms vs run
χ^2 / ndf 1784 / 53
p0 1722 ± 1.696
1900
1850
1800
1750
1700
1650
1600
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

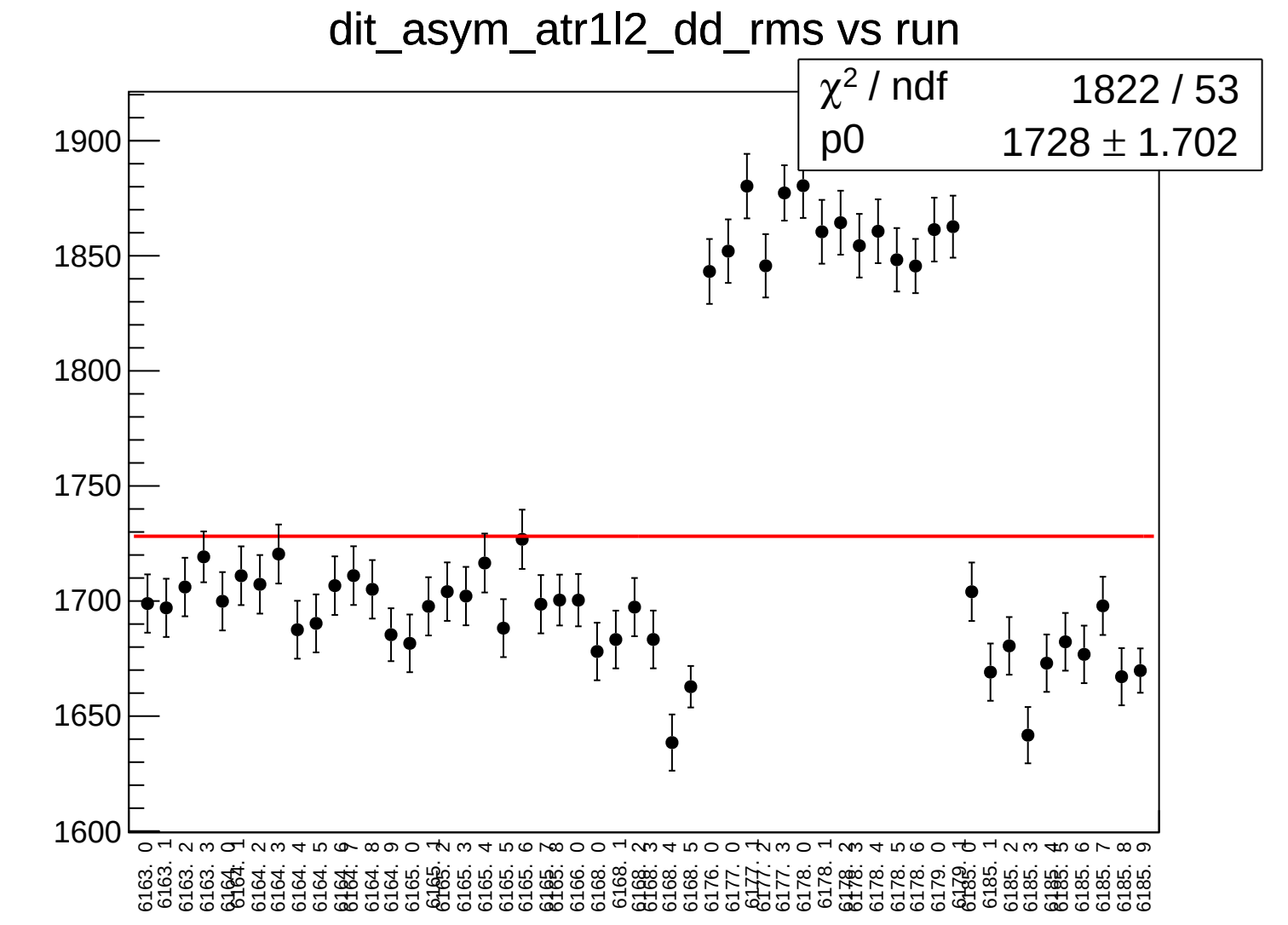

asym_atr1l2_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 54.37 / 53
p0 5382 ± 4510
150
100
50
0
−50
−100
pull
Entries 54
Mean 11.69
Std Dev 4.206
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

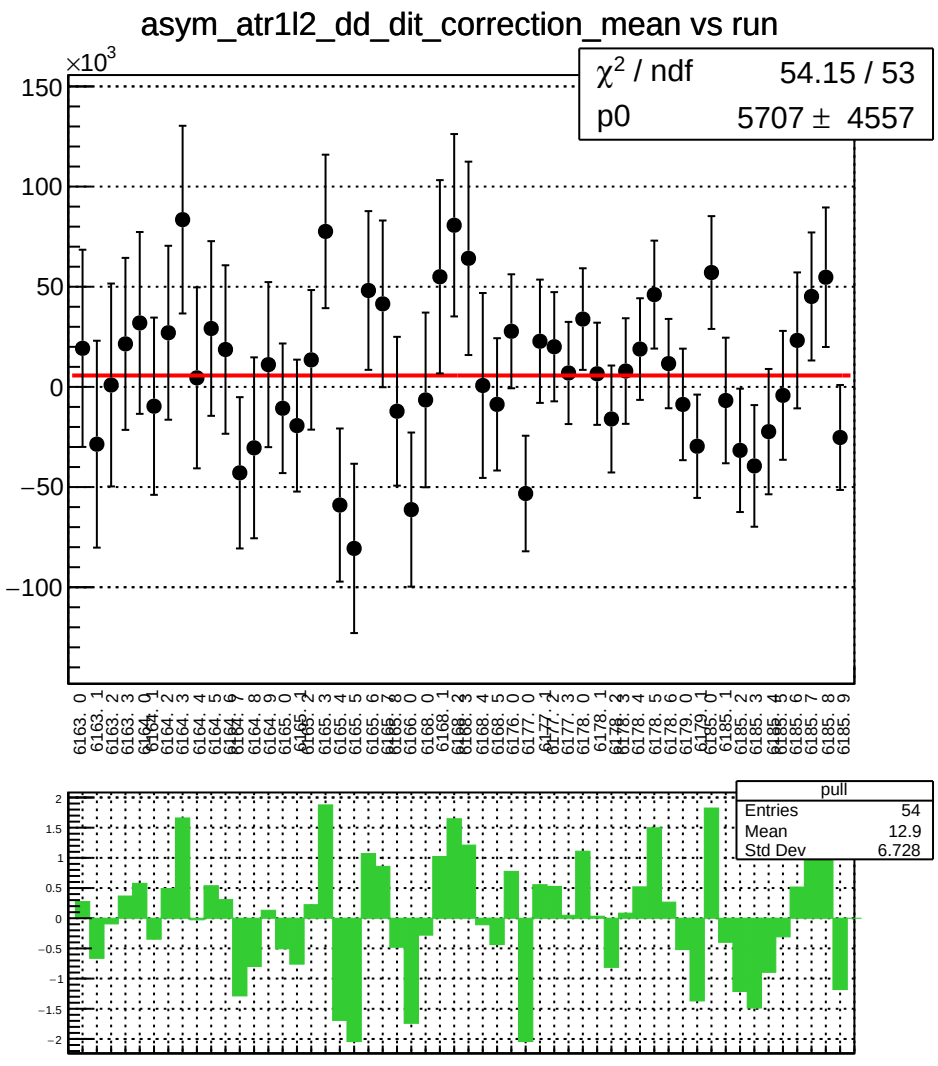

pull1D
Entries 54
Mean 0.0246
Std Dev 1.003
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

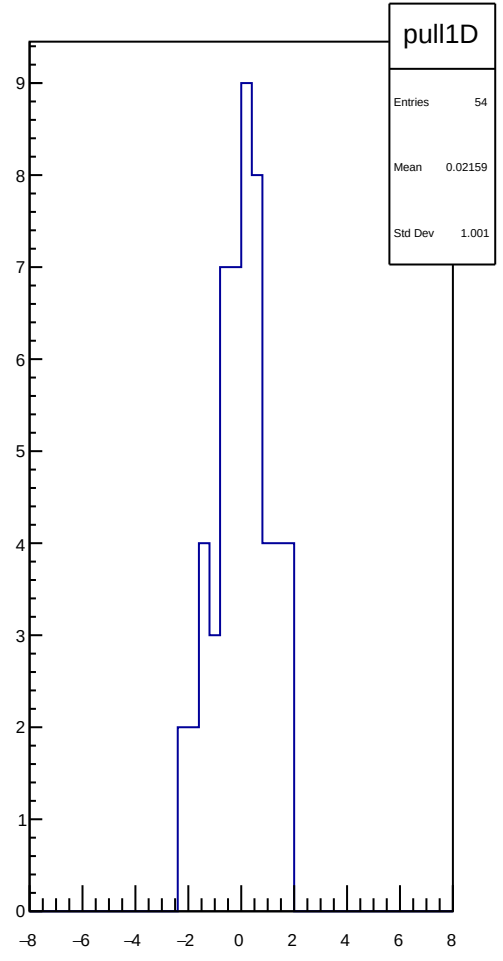

asym_atr1l2_dd_eigen_cor_correction_rms vs run
χ² / ndf 5.699e+04 / 53
p0 3150 ± 3.189
5000
4500
4000
3500
3000
2500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

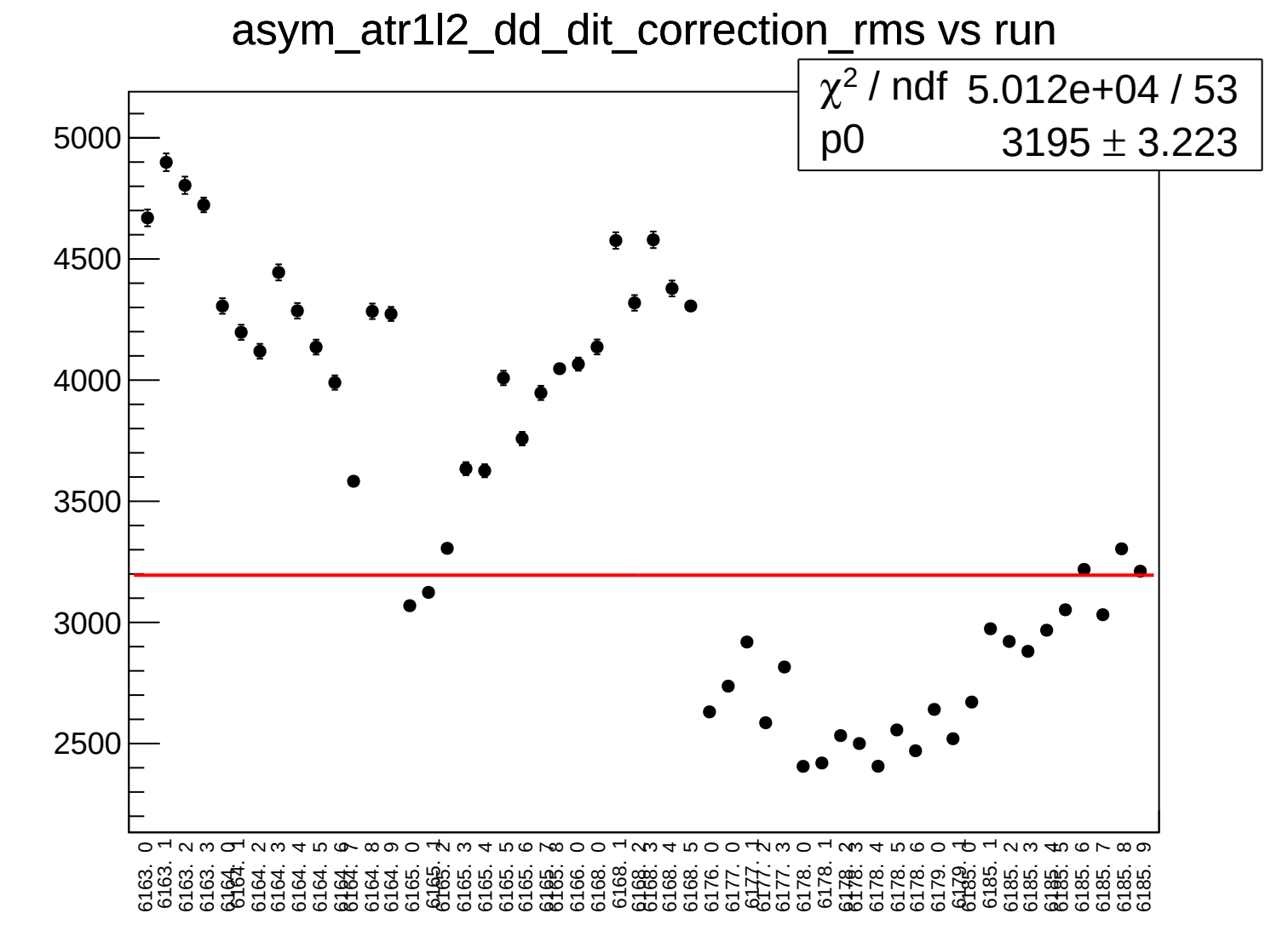

dit_asym_atr1l2_dd_mean vs run
χ² / ndf 57.11 / 53
p0 1628 ± 2407
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 253.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

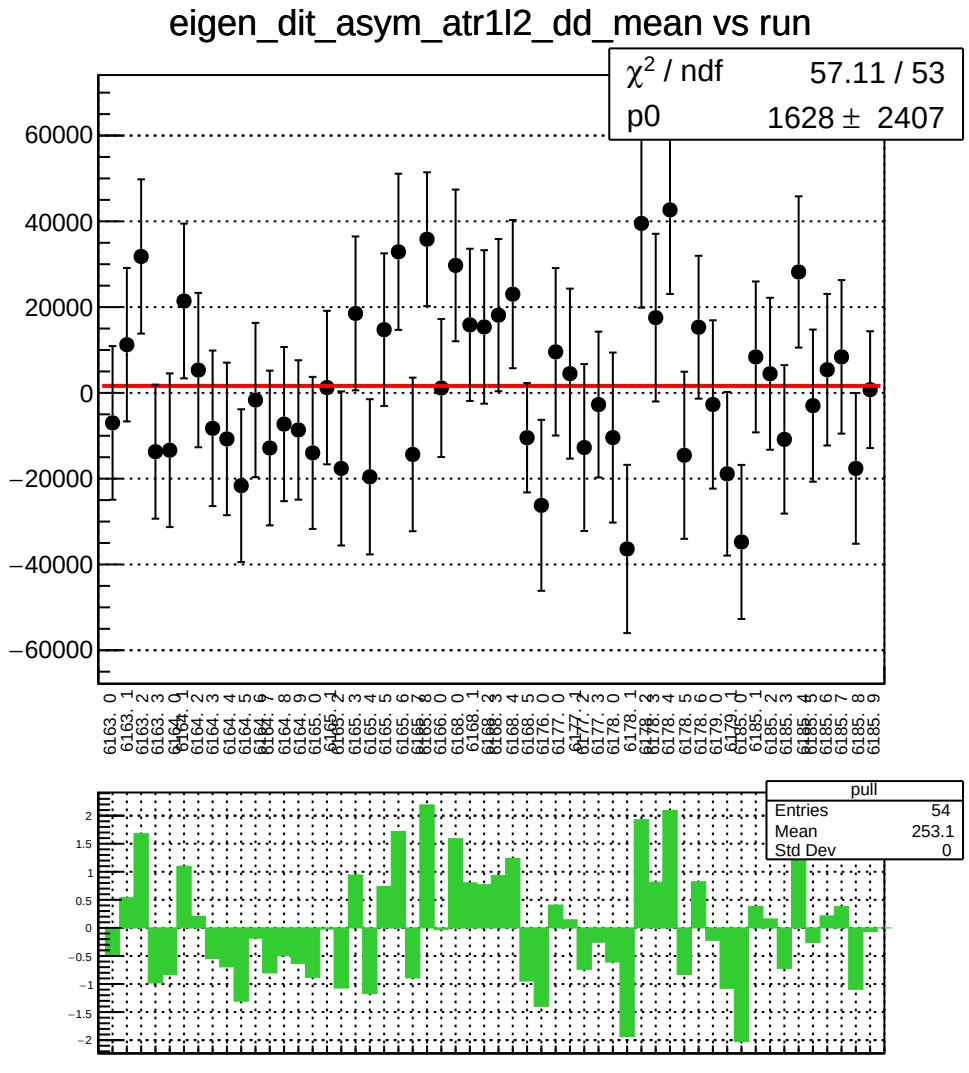

pull1D
Entries 54
Mean 0.001631
Std Dev 1.028
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

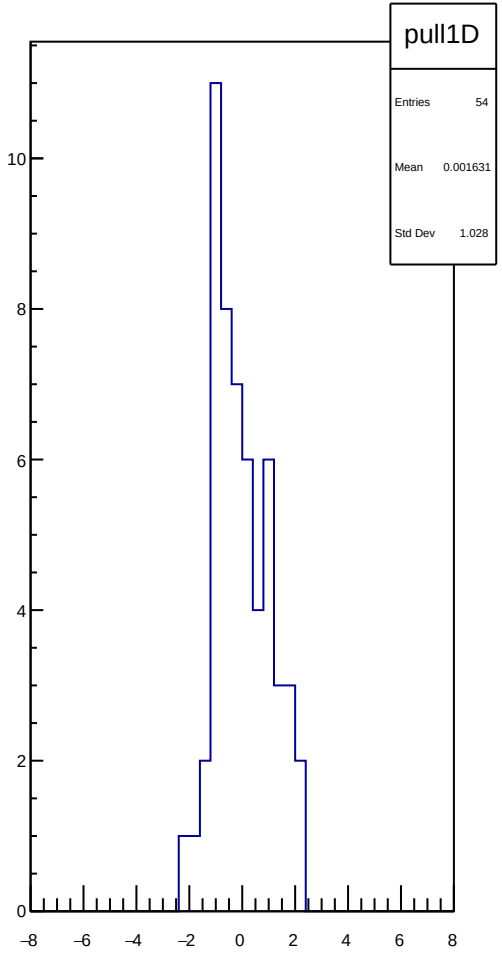

dit_asym_atr1l2_dd_rms vs run
χ² / ndf 1822 / 53
p0 1728 ± 1.702
1900
1850
1800
1750
1700
1650
1600
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

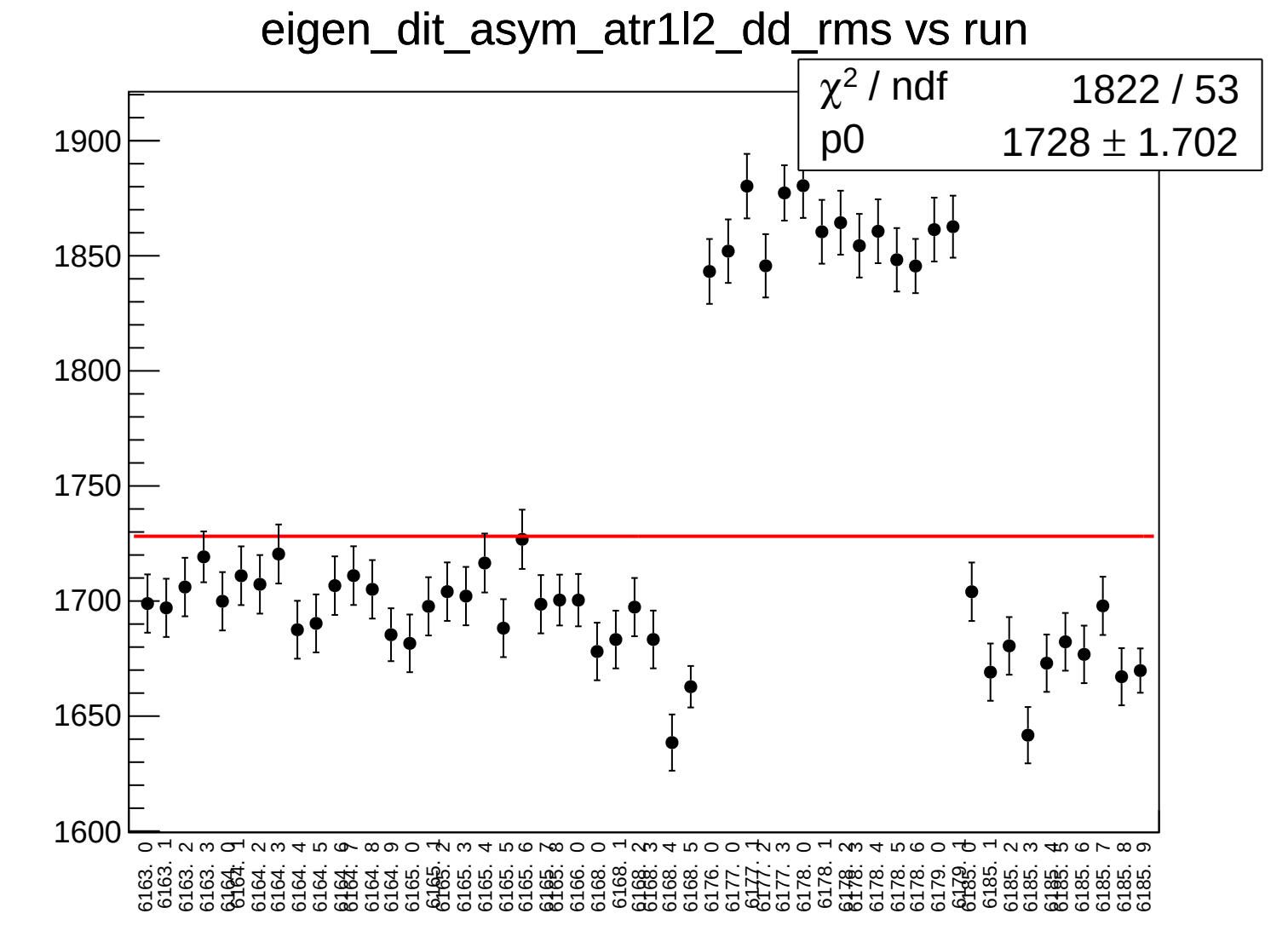

asym_atr1l2_dd_dit_correction_mean vs run
×10^3
χ² / ndf 54.15 / 53
p0 5707 ± 4557
150
100
50
0
−50
−100
pull
Entries 54
Mean 12.9
Std Dev 6.728
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

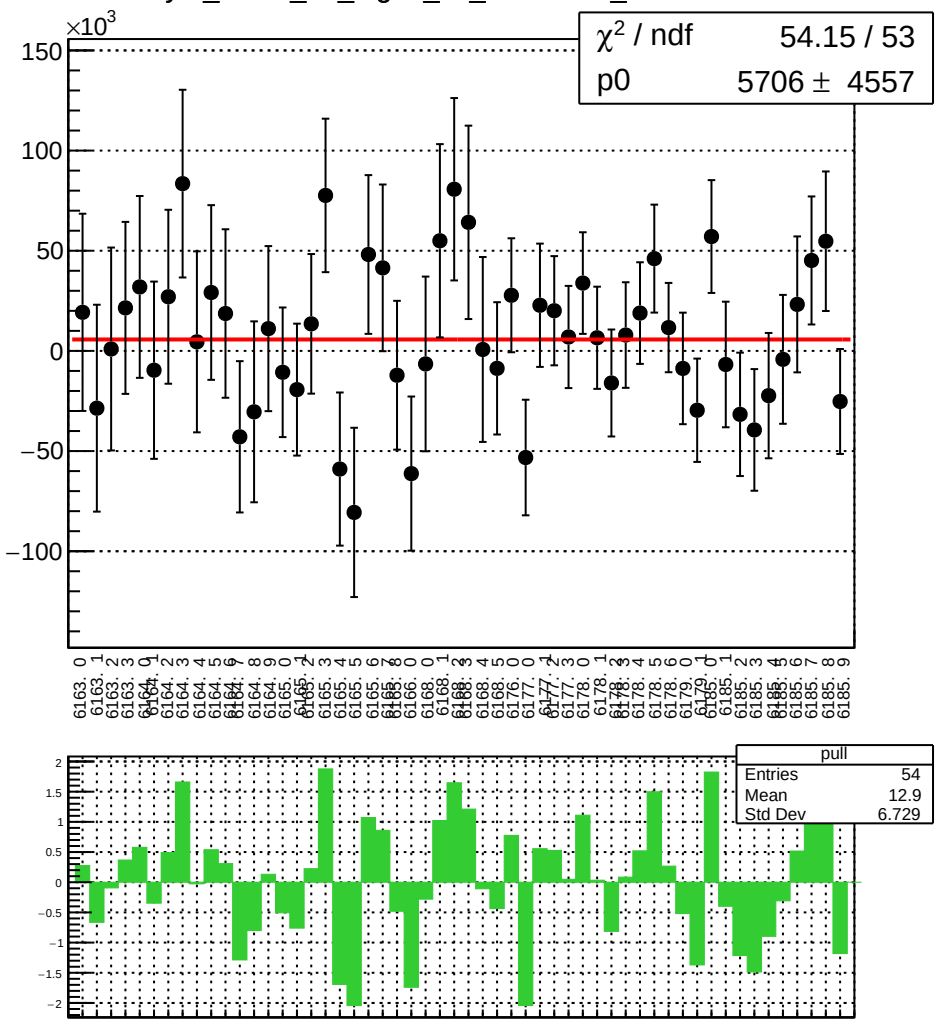

pull1D
Entries 54
Mean 0.02159
Std Dev 1.001
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

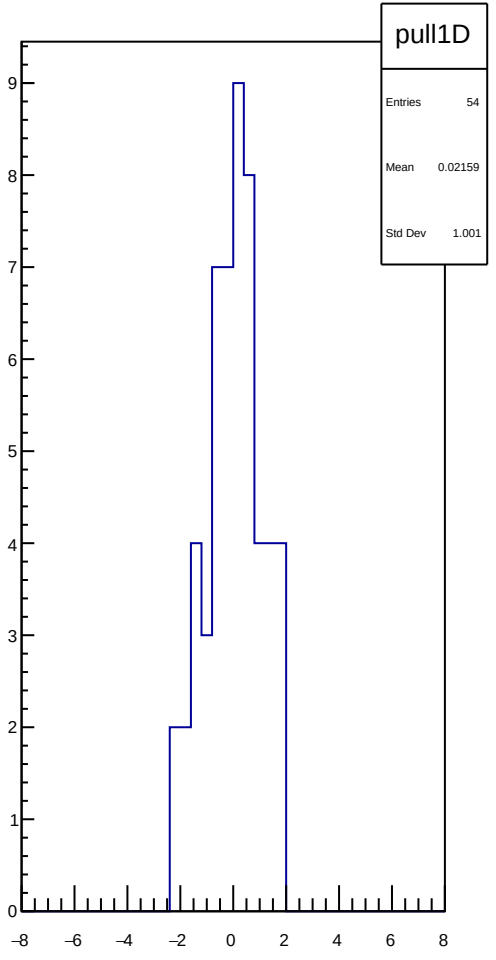

asym_atr1l2_dd_dit_correction_rms vs run
χ² / ndf 5.012e+04 / 53
p0 3195 ± 3.223
5000
4500
4000
3500
3000
2500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

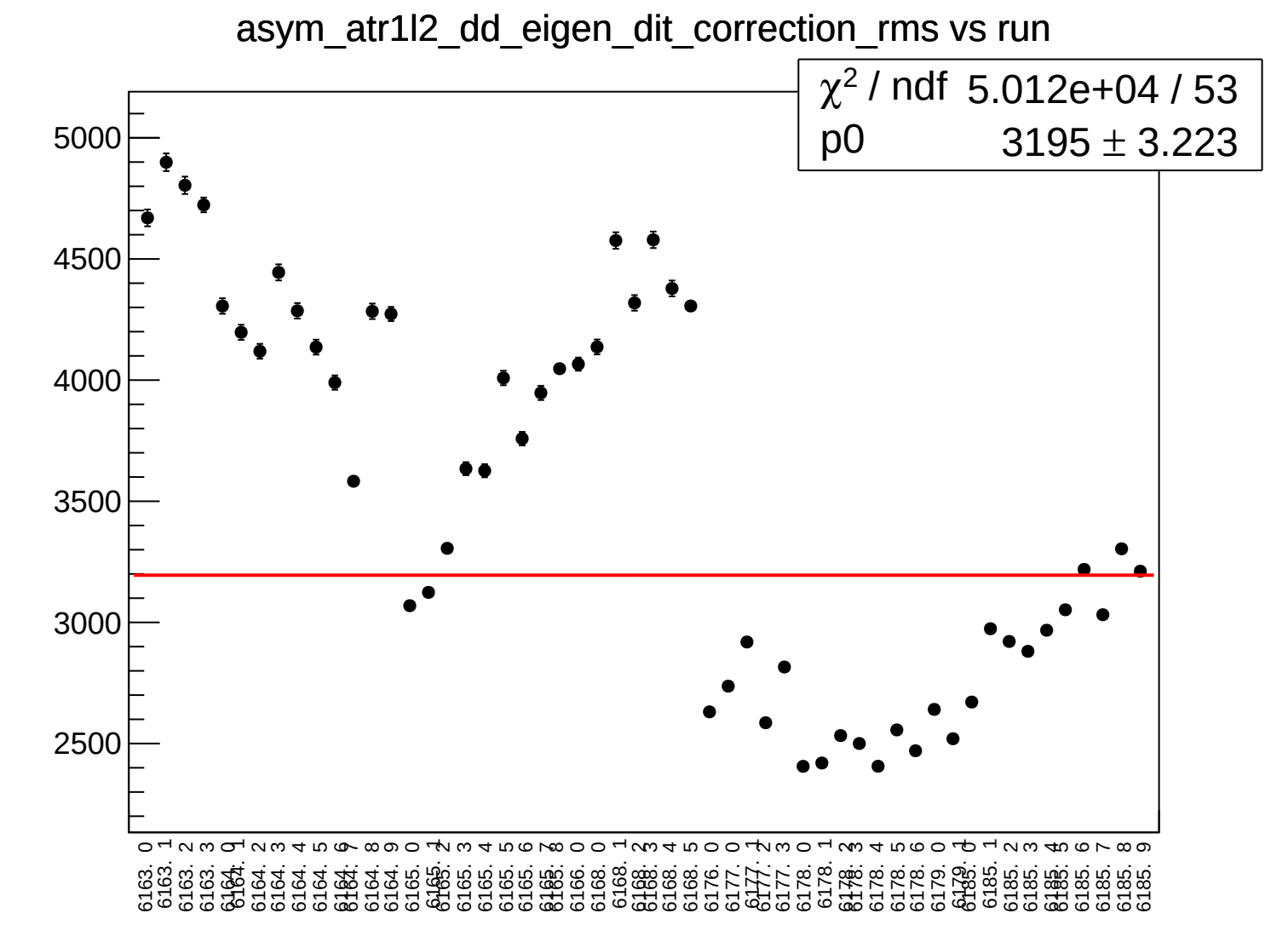

eigen_dit_asym_atr1l2_dd_mean vs run
χ² / ndf 57.11 / 53
p0 1628 ± 2407
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 253.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

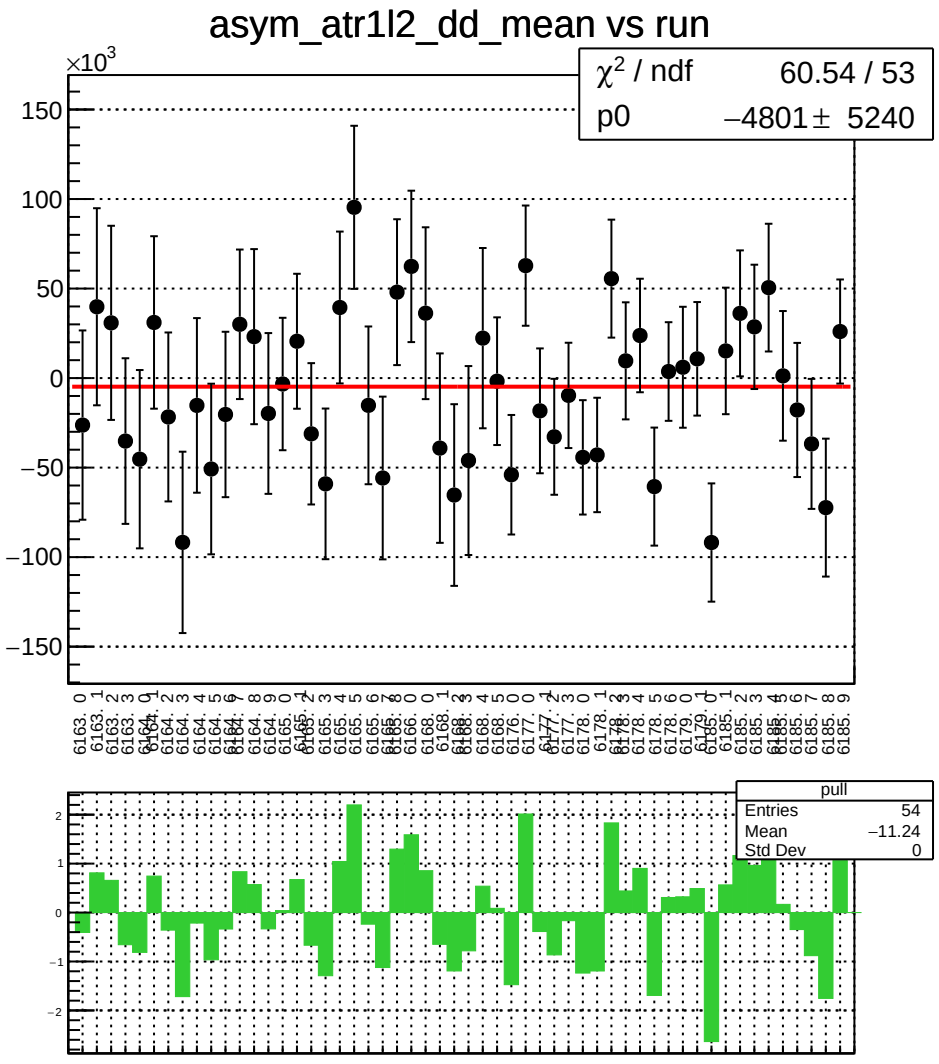

pull1D
Entries 54
Mean 0.001631
Std Dev 1.028
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

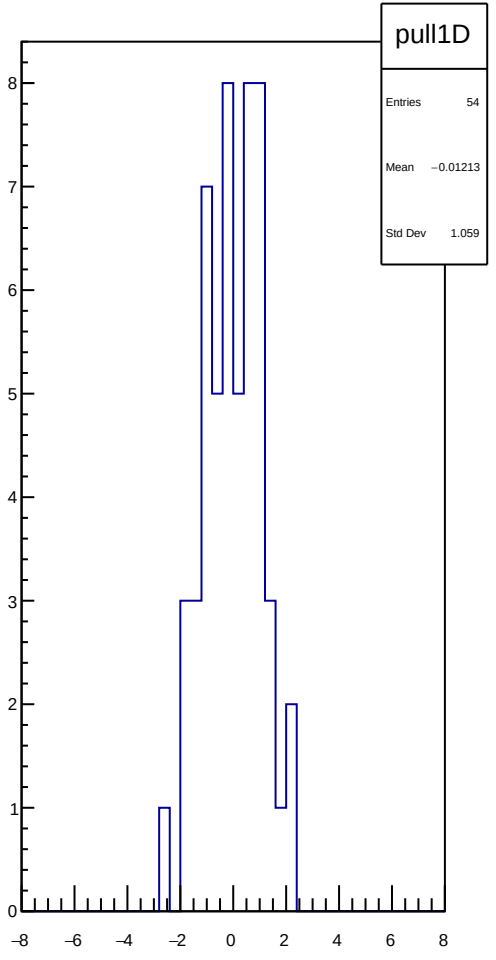

eigen_dit_asym_atr1l2_dd_rms vs run
χ² / ndf 1822 / 53
p0 1728 ± 1.702
1900
1850
1800
1750
1700
1650
1600
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

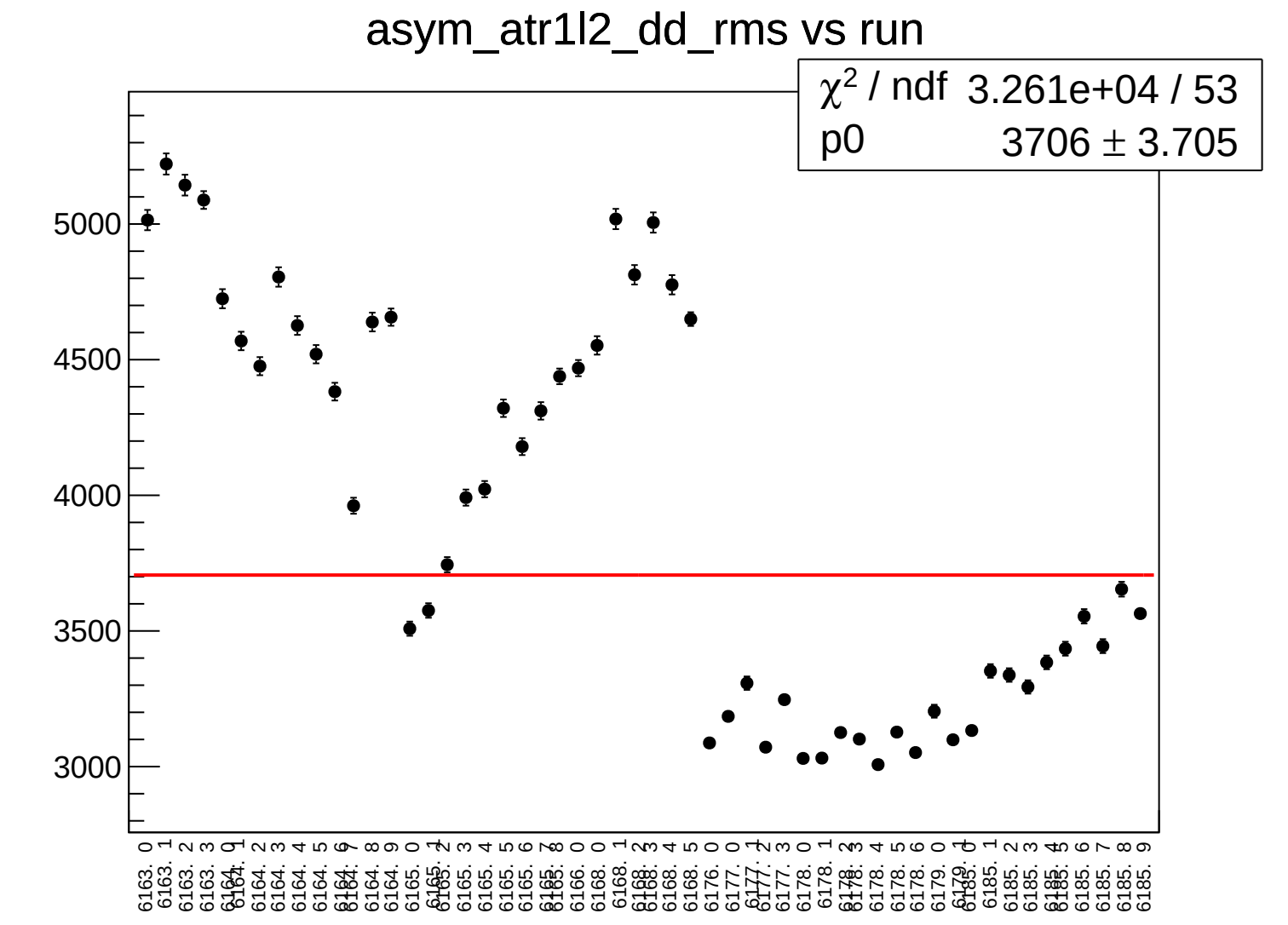

asym_atr1l2_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 54.15 / 53
p0 5706 ± 4557
150
100
50
0
−50
−100
pull
Entries 54
Mean 12.9
Std Dev 6.729
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

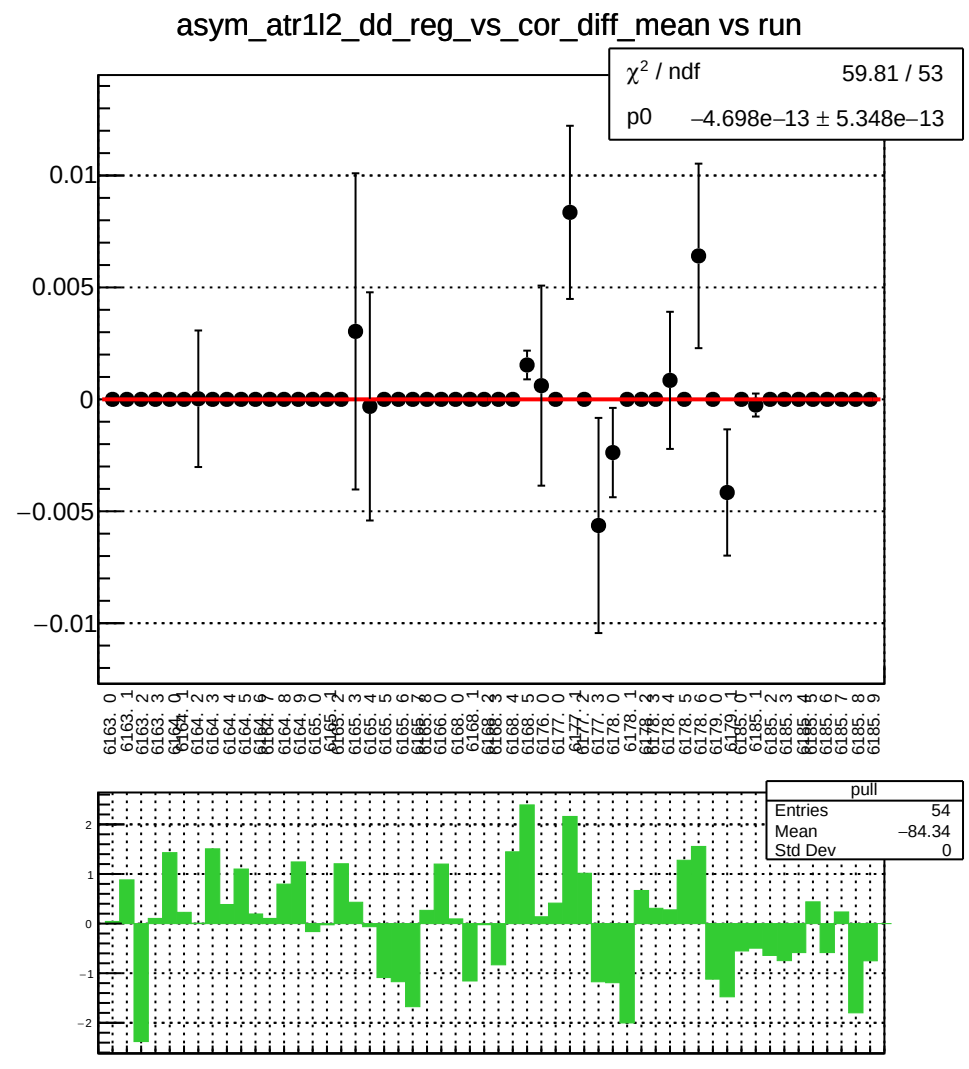

pull1D
Entries 54
Mean 0.02159
Std Dev 1.001
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

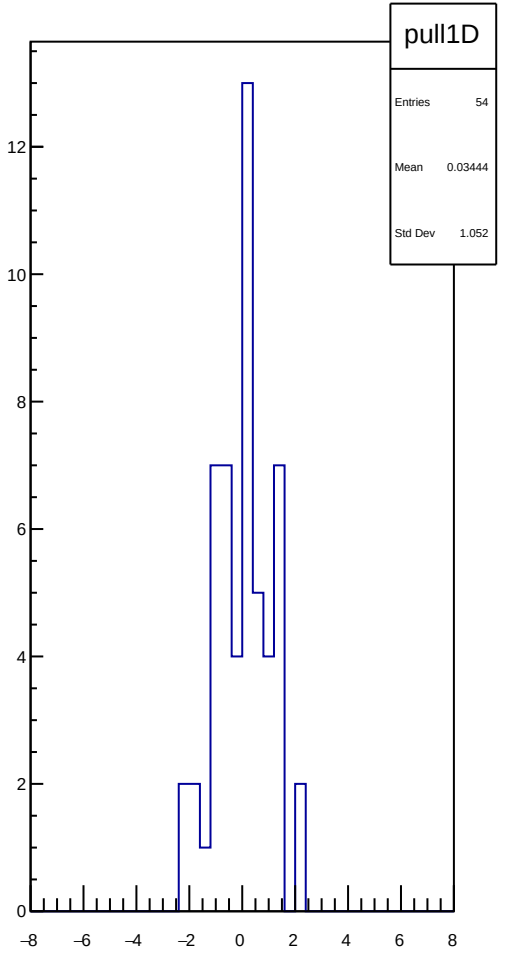

asym_atr1l2_dd_eigen_dit_correction_rms vs run
χ² / ndf 5.012e+04 / 53
p0 3195 ± 3.223
5000
4500
4000
3500
3000
2500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

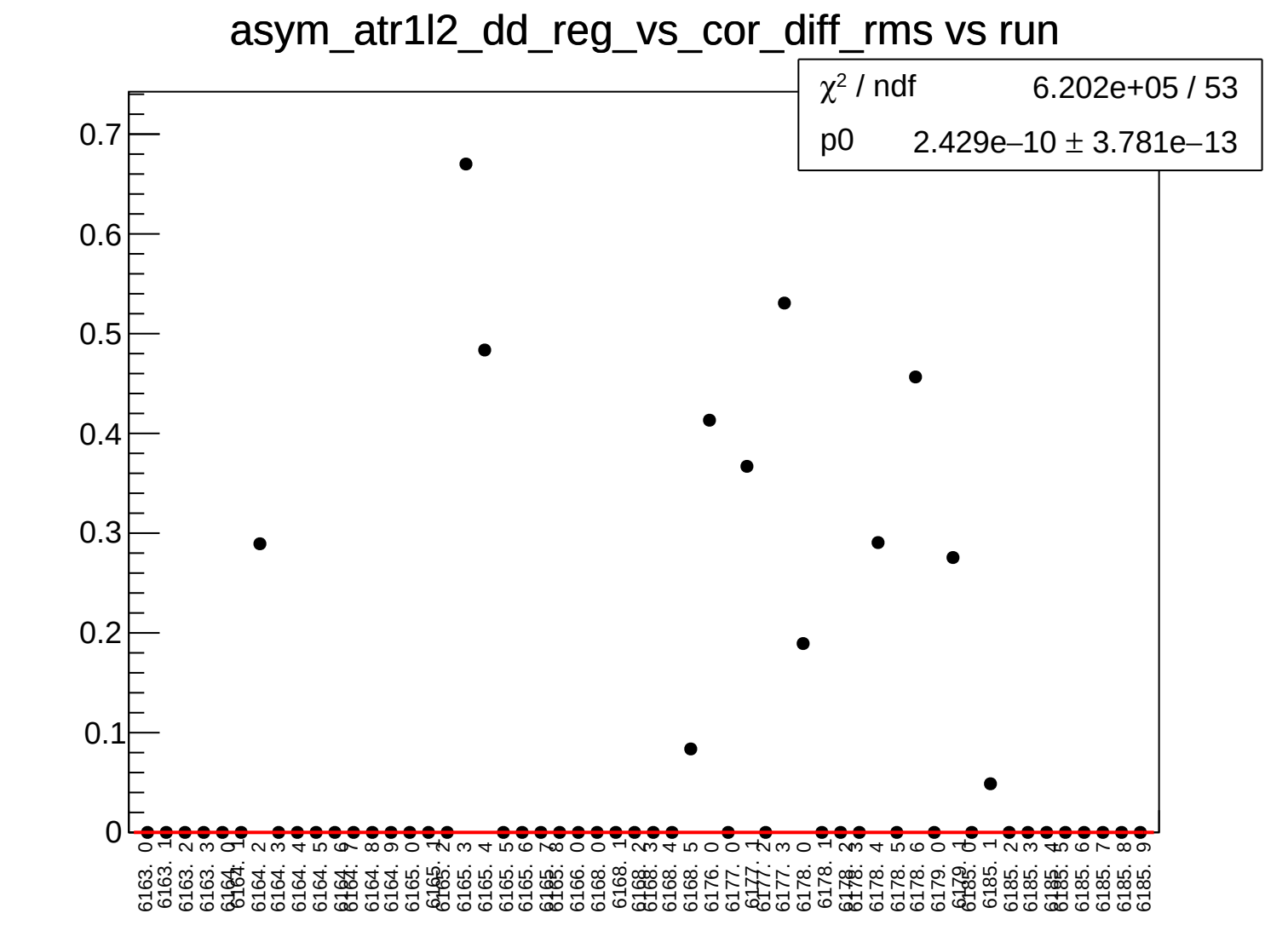

asym_atr1l2_dd_mean vs run
×10^3
χ² / ndf 60.54 / 53
p0 −4801 ± 5240
150
100
50
0
−50
−100
−150
pull
Entries 54
Mean −11.24
Std Dev 0
2
1
0
−1
−2

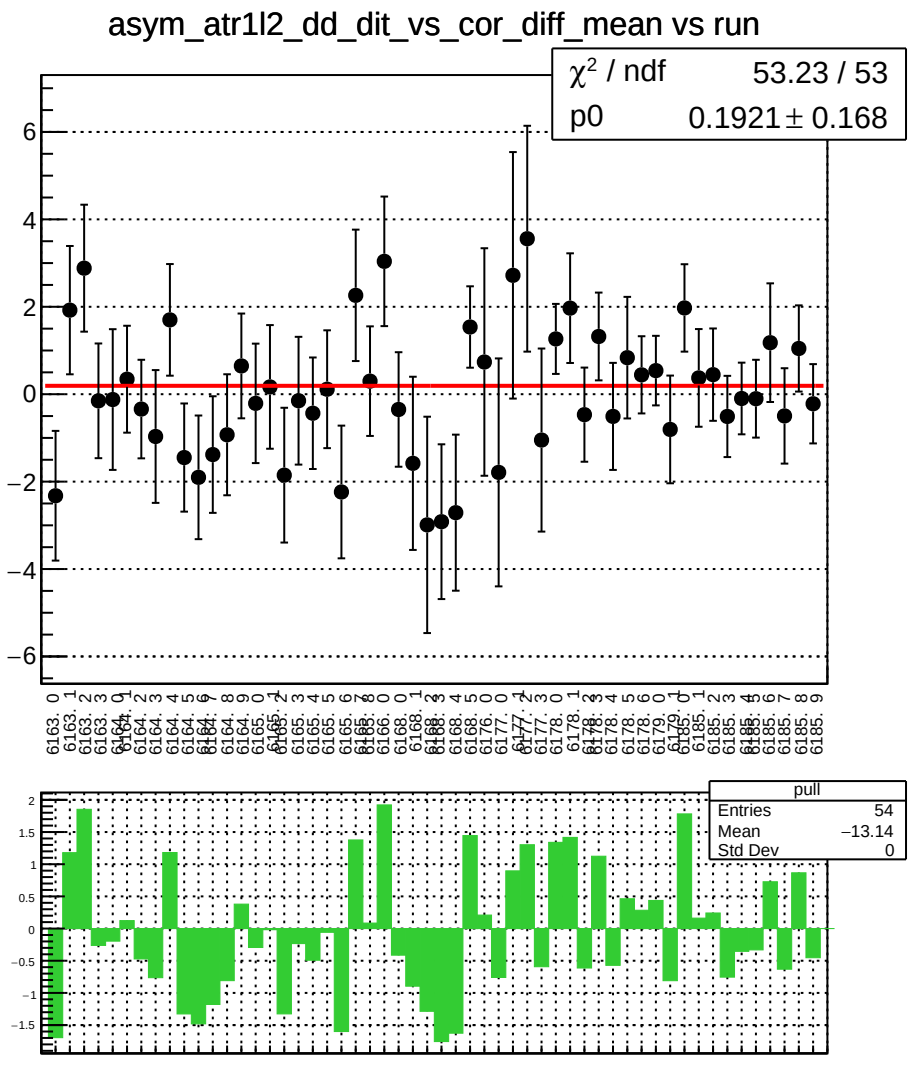

pull1D
Entries 54
Mean −0.01213
Std Dev 1.059
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

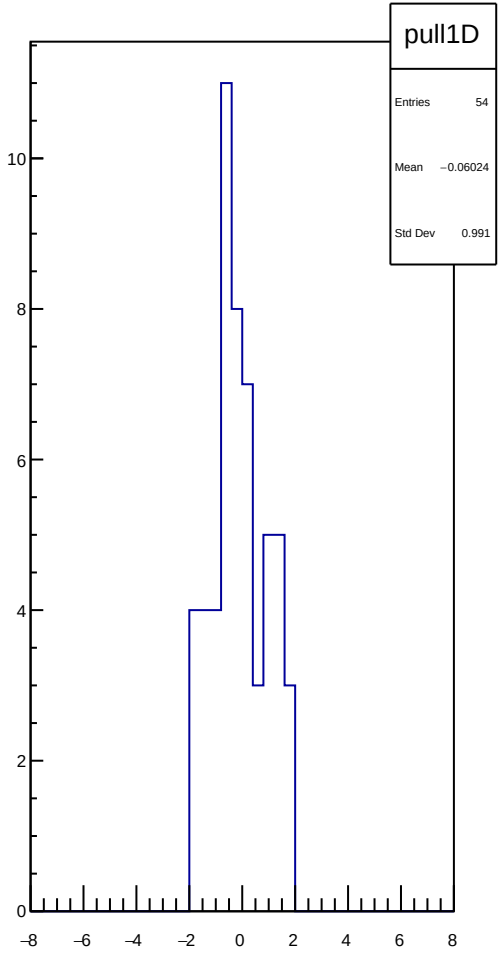

asym_atr1l2_dd_rms vs run
χ² / ndf 3.261e+04 / 53
p0 3706 ± 3.705
5000
4500
4000
3500
3000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

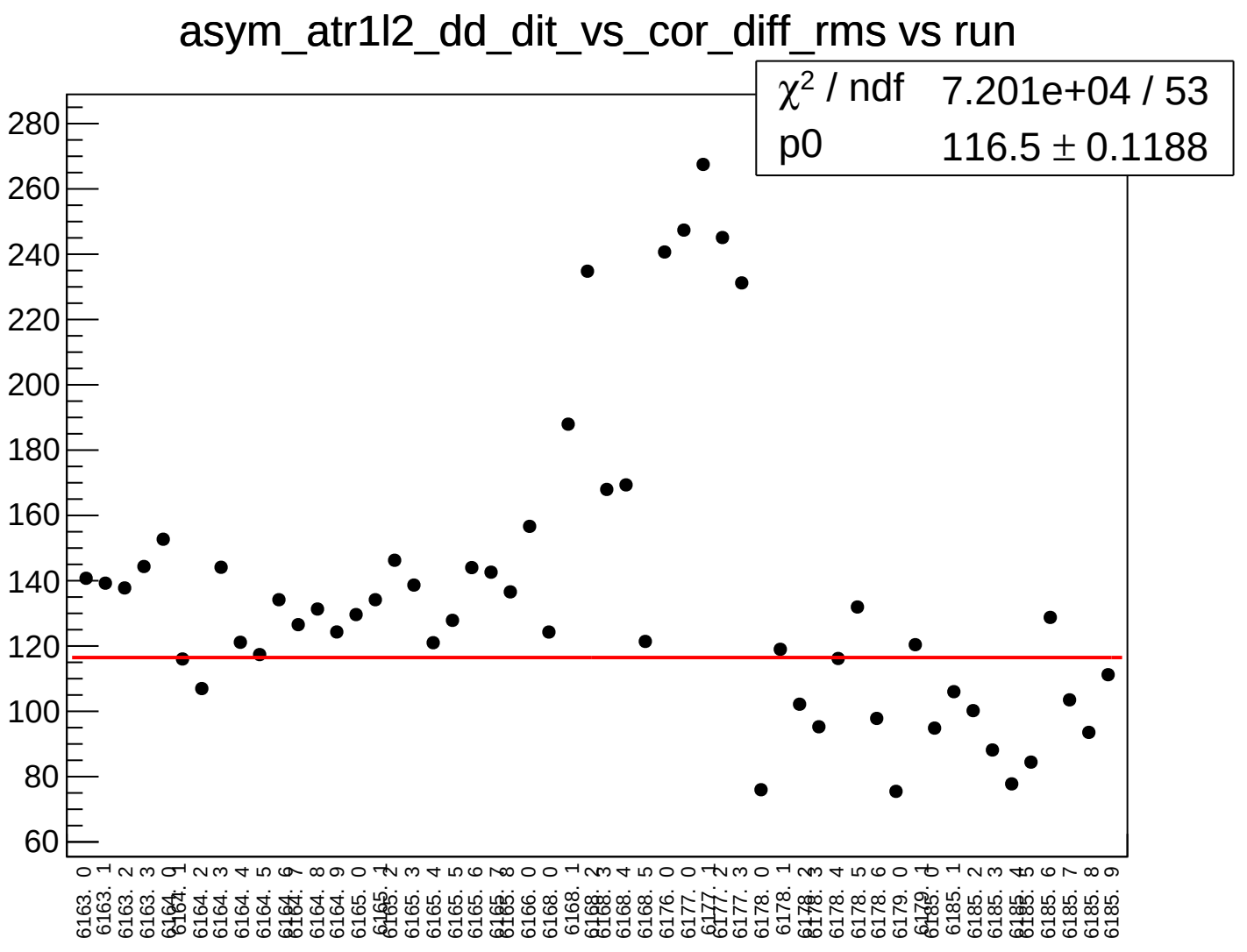

asym_atr1l2_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 59.81 / 53
p0 −4.698e−13 ± 5.348e−13
0.01
0.005
0
−0.005
−0.01
pull
Entries 54
Mean −84.34
Std Dev 0
2
1
0
−1
−2

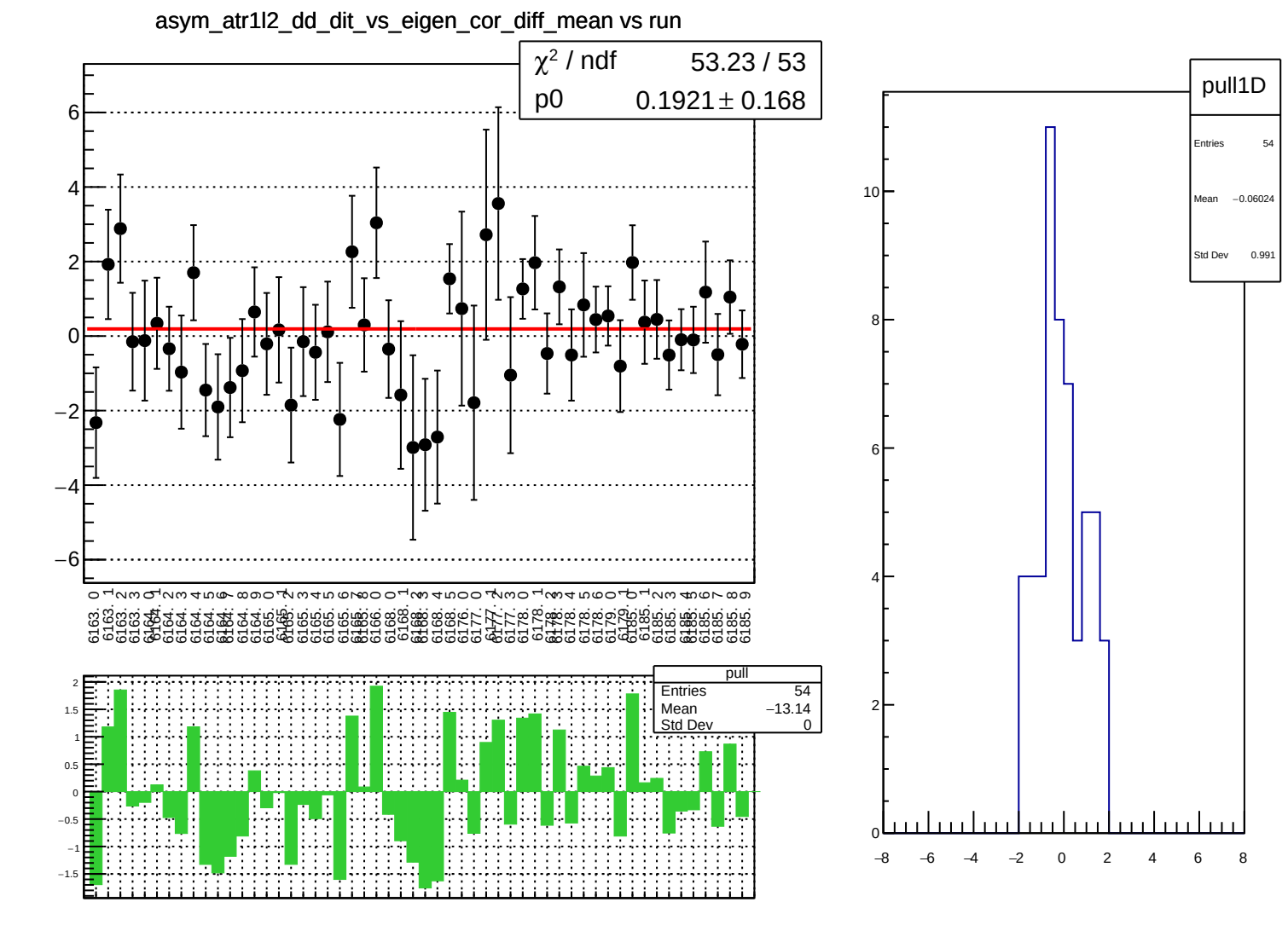

pull1D
Entries 54
Mean 0.03444
Std Dev 1.052
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

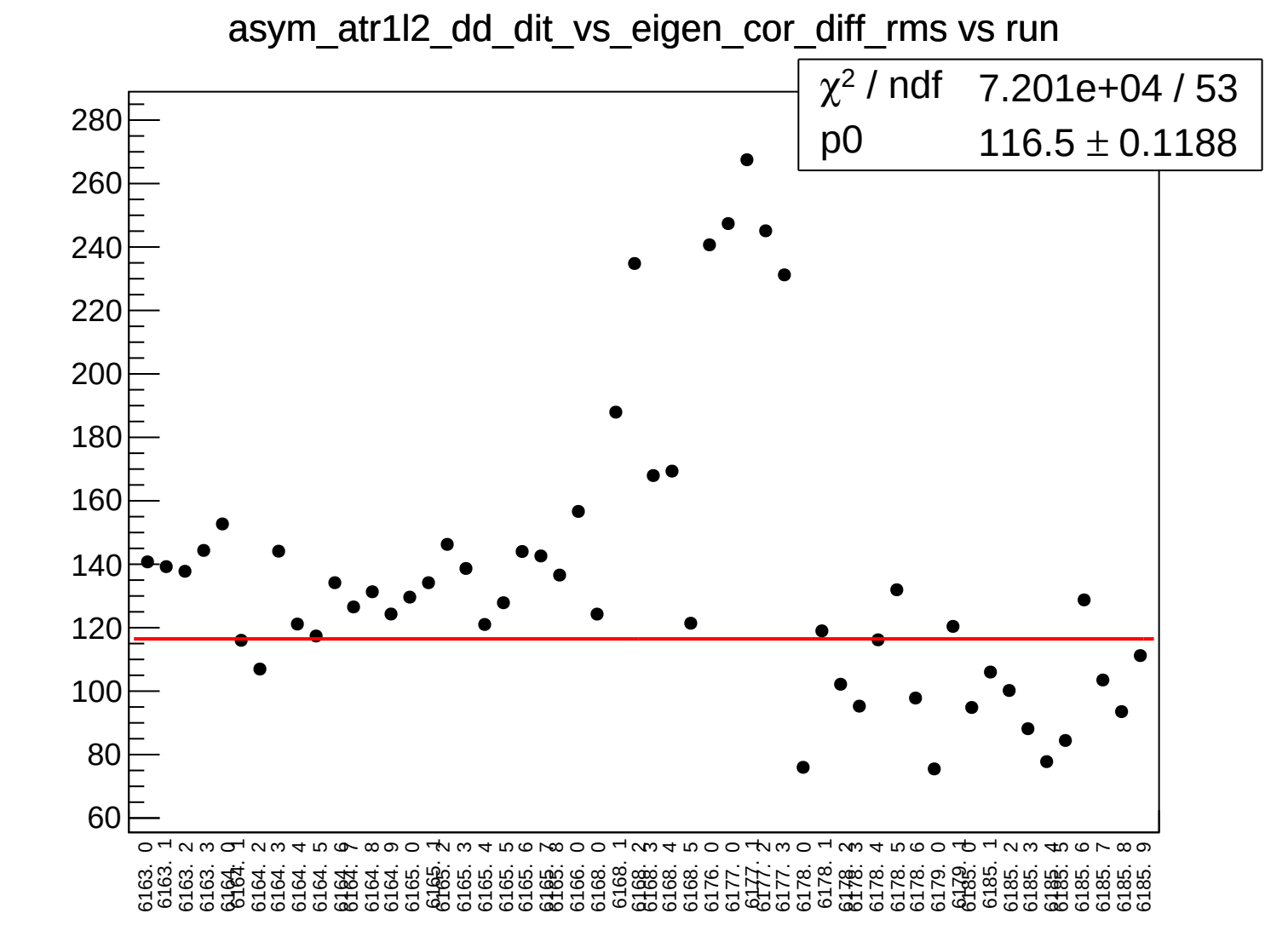

asym_atr1l2_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.202e+05 / 53
p0 2.429e−10 ± 3.781e−13
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

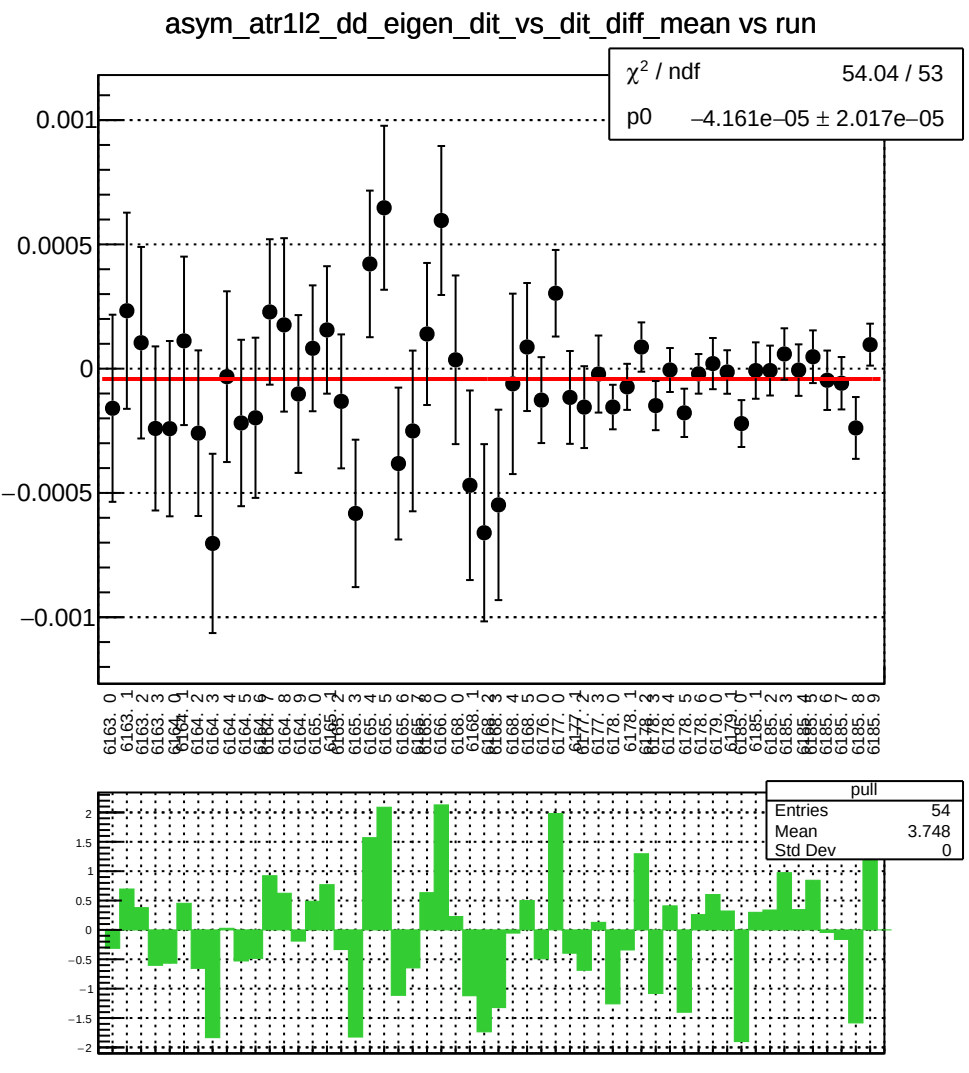

asym_atr1l2_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 53.23 / 53
p0 0.1921 ± 0.168
pull
Entries 54
Mean −13.14
Std Dev 0

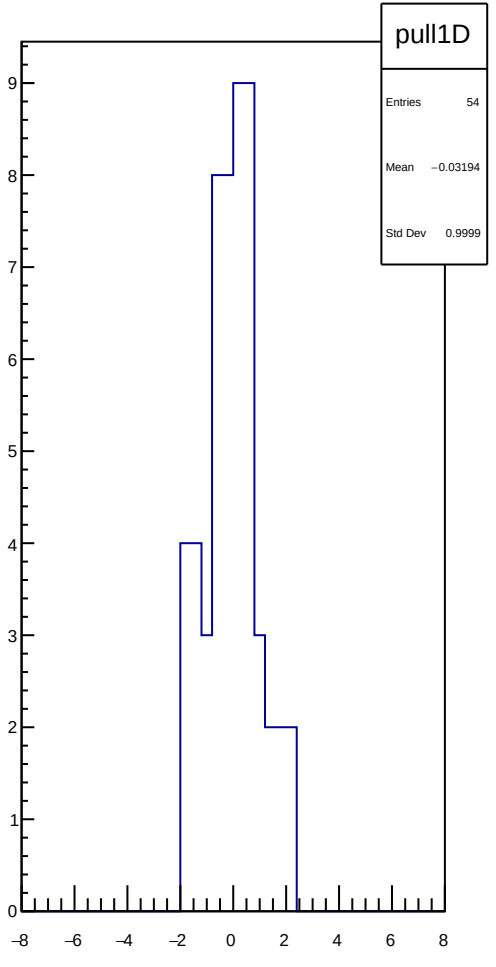

pull1D
Entries 54
Mean −0.06024
Std Dev 0.991

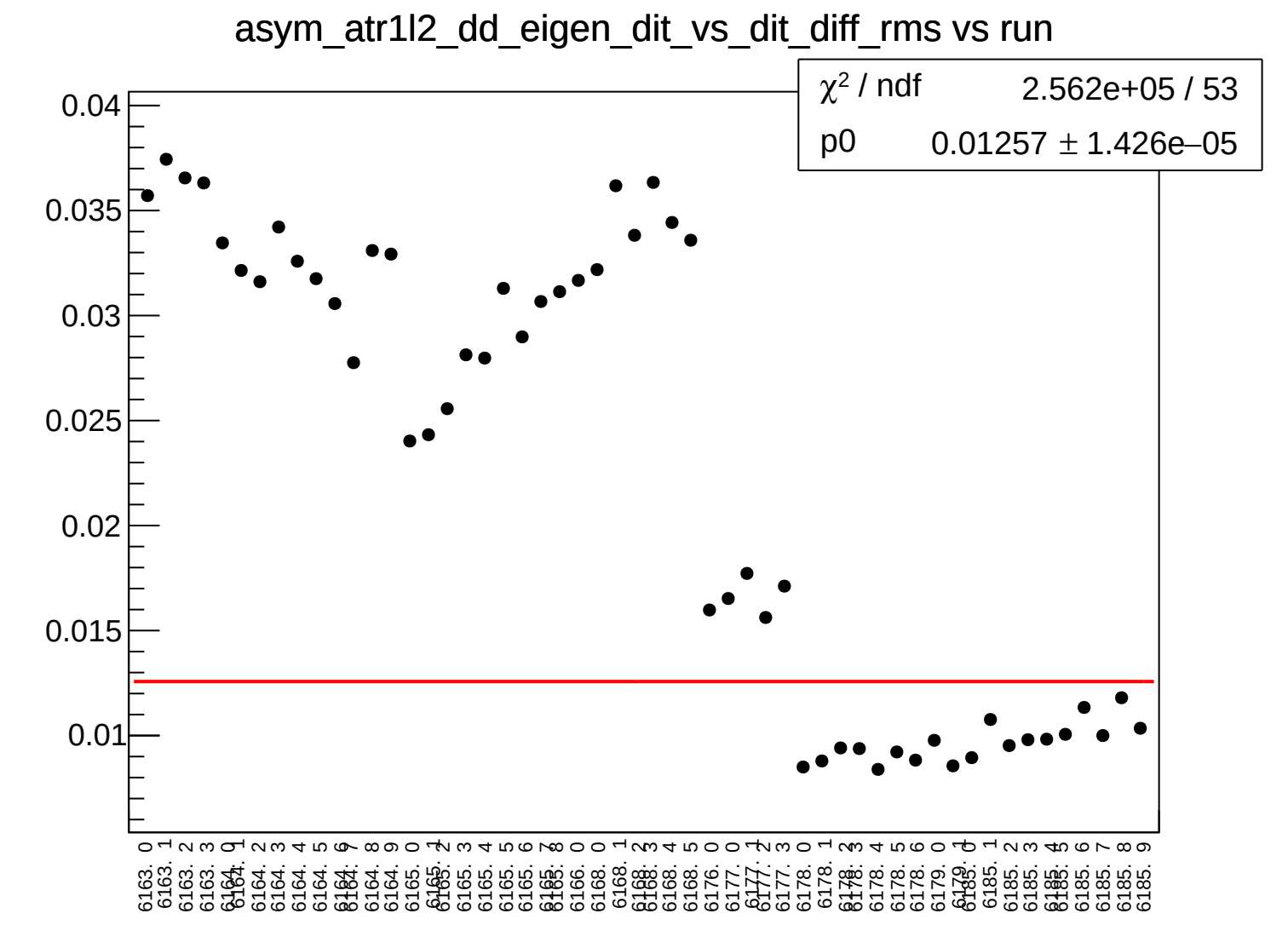

asym_atr1l2_dd_dit_vs_cor_diff_rms vs run
χ^2 / ndf 7.201e+04 / 53
p0 116.5 ± 0.1188
280
260
240
220
200
180
160
140
120
100
80
60
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

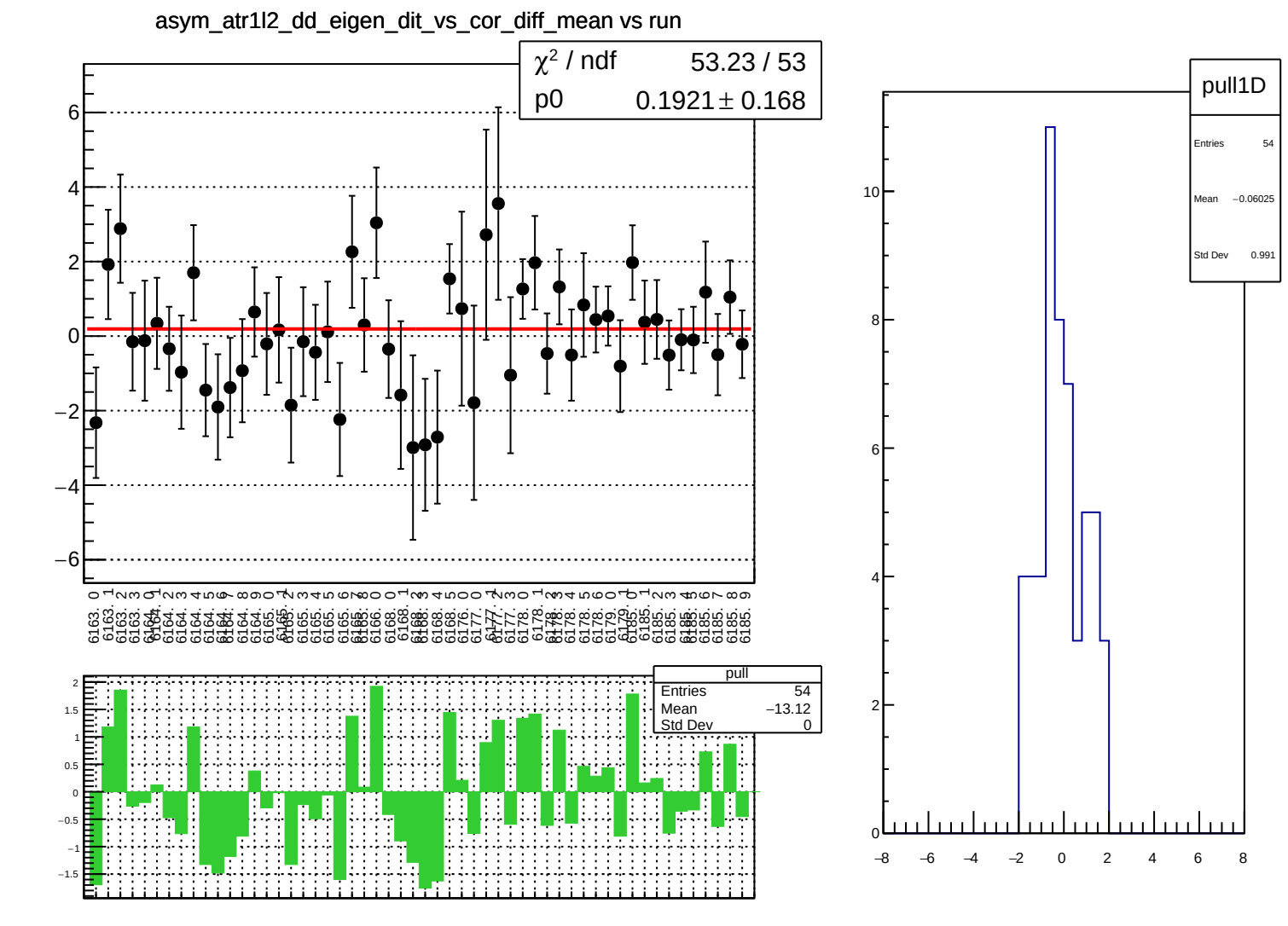

asym_atr1l2_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 53.23 / 53
p0 0.1921 ± 0.168
pull
Entries 54
Mean −13.14
Std Dev 0
pull1D
Entries 54
Mean −0.06024
Std Dev 0.991

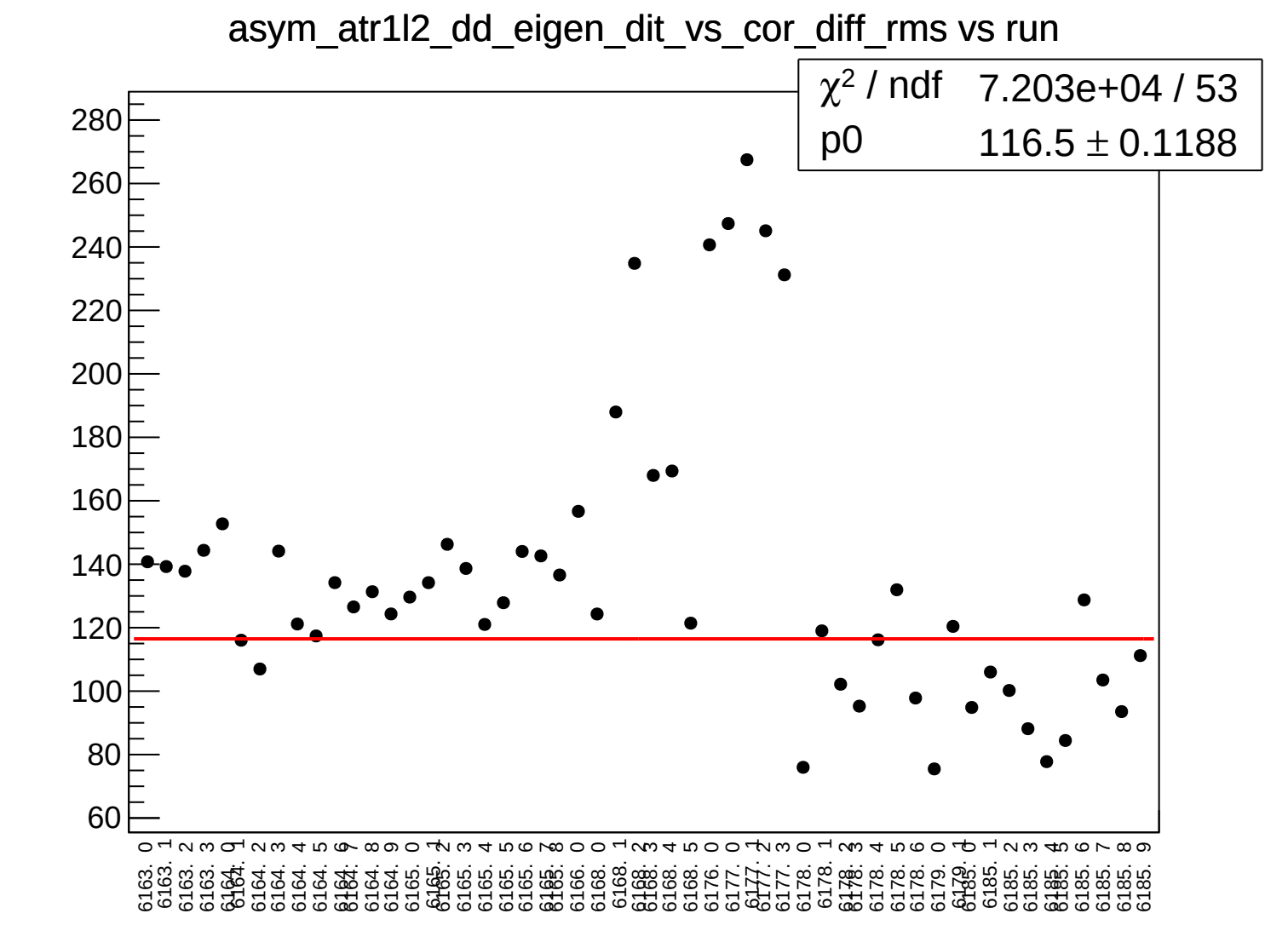

asym_atr1l2_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.201e+04 / 53
p0 116.5 ± 0.1188
280
260
240
220
200
180
160
140
120
100
80
60
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

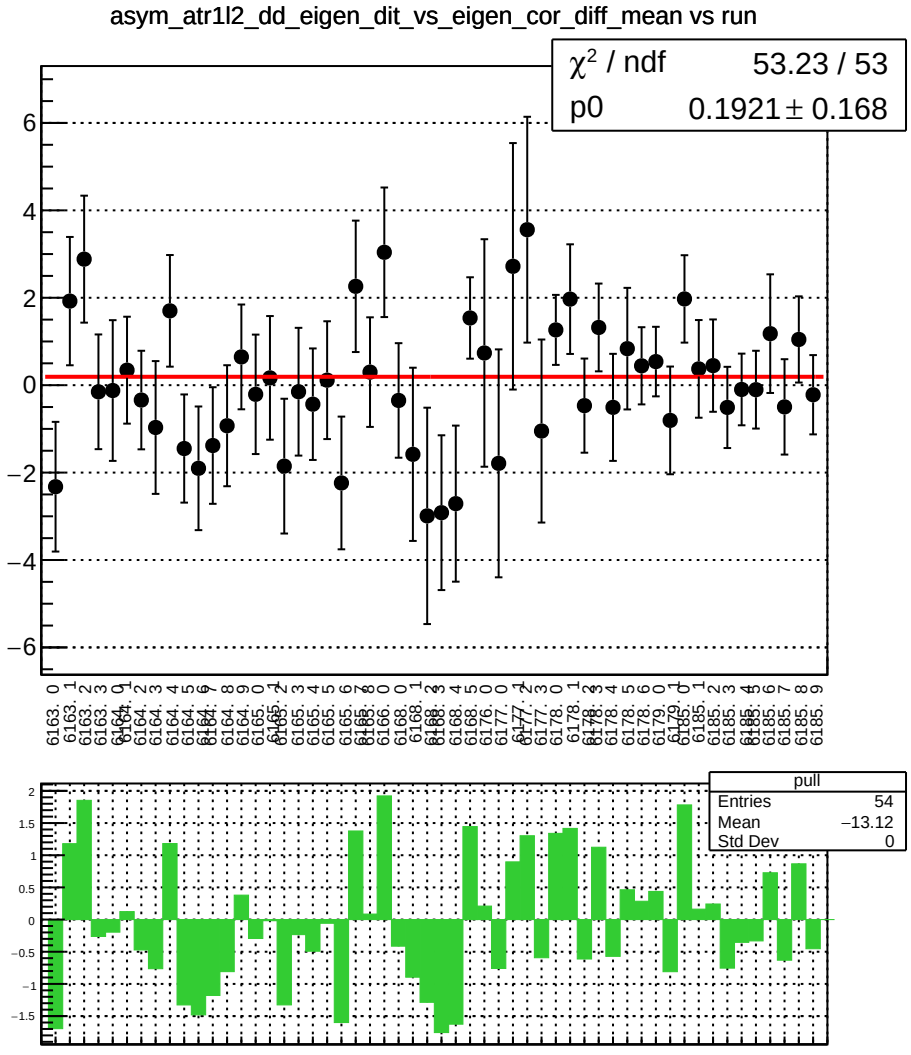

asym_atr1l2_dd_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 54.04 / 53
p0 −4.161e−05 ± 2.017e−05
0.001
0.0005
0
−0.0005
−0.001
pull
Entries 54
Mean 3.748
Std Dev 0

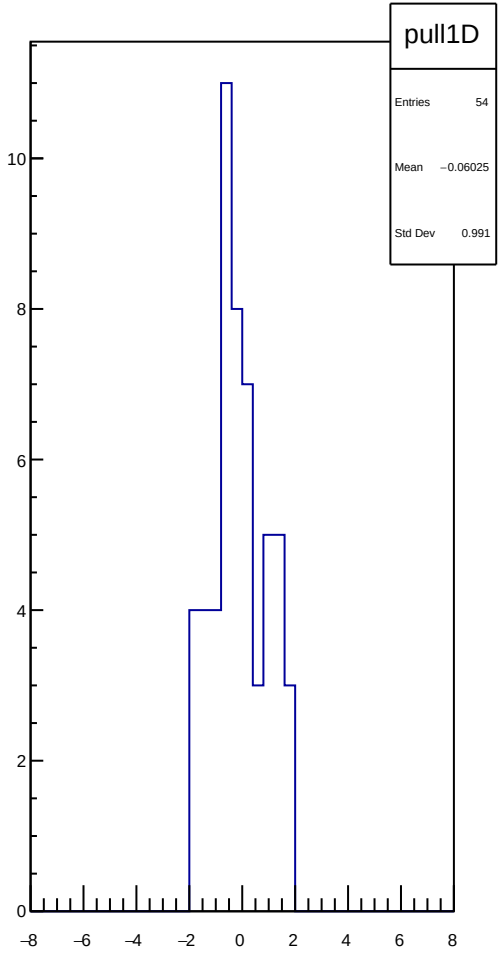

pull1D
Entries 54
Mean −0.03194
Std Dev 0.9999

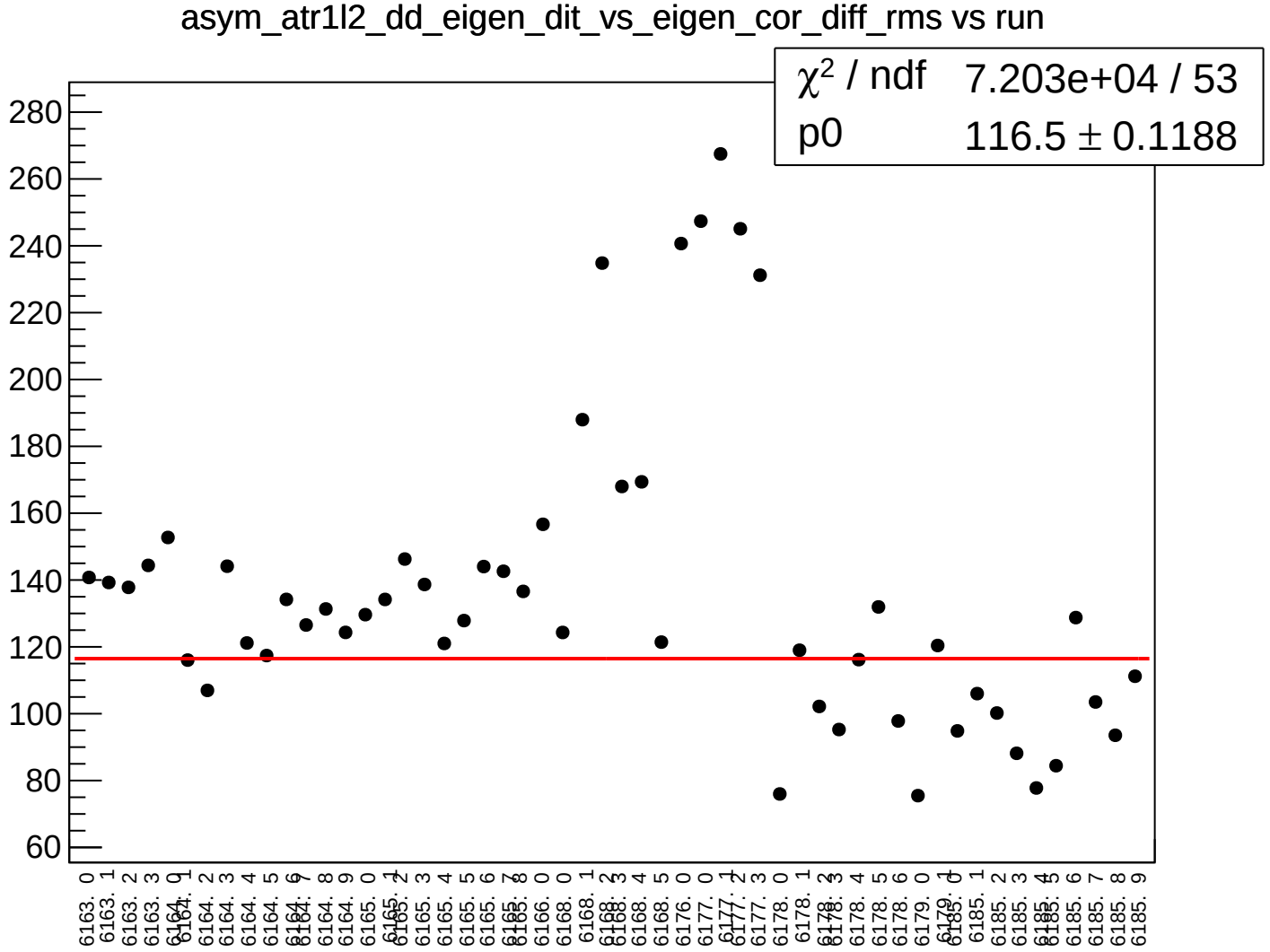

asym_atr1l2_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.562e+05 / 53
p0 0.01257 ± 1.426e−05
0.04
0.035
0.03
0.025
0.02
0.015
0.01
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

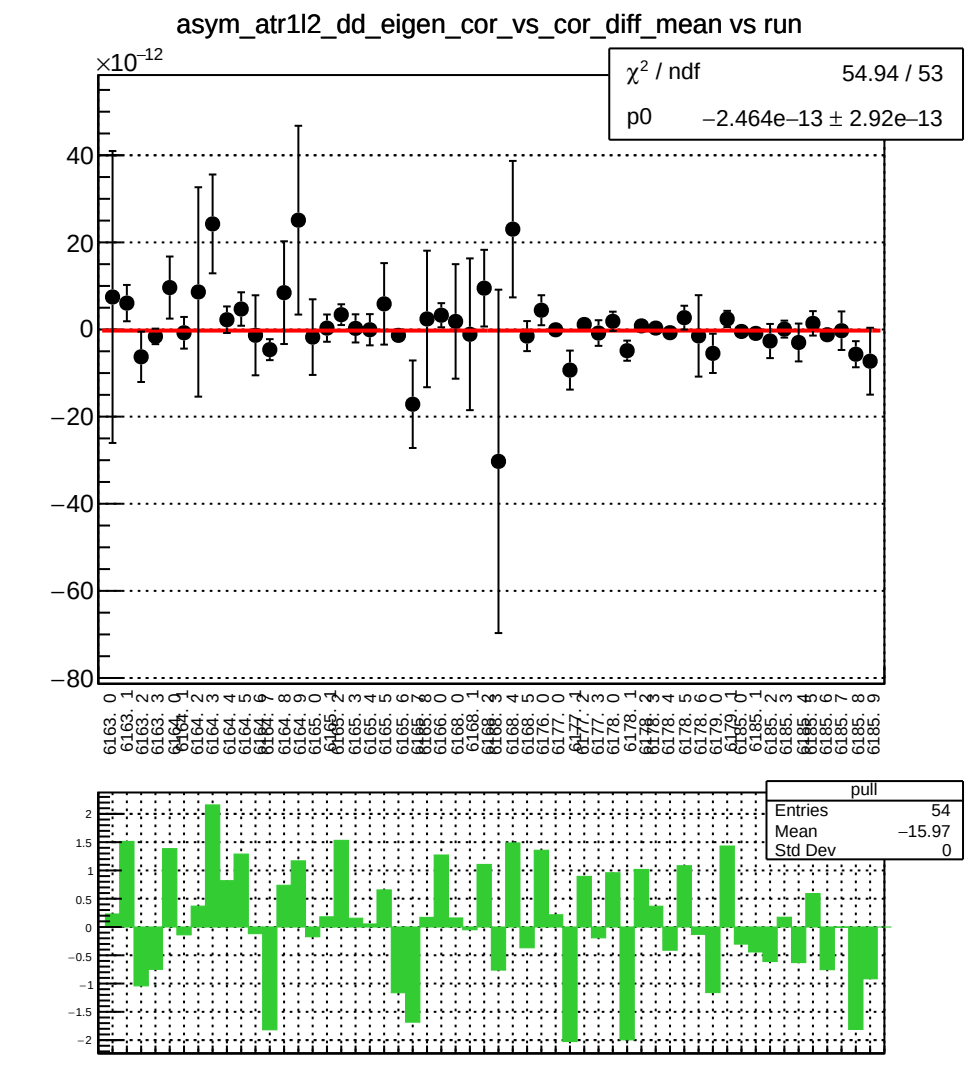

asym_atr1l2_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 53.23 / 53
p0 0.1921 ± 0.168
pull
Entries 54
Mean −13.12
Std Dev 0
pull1D
Entries 54
Mean −0.06025
Std Dev 0.991

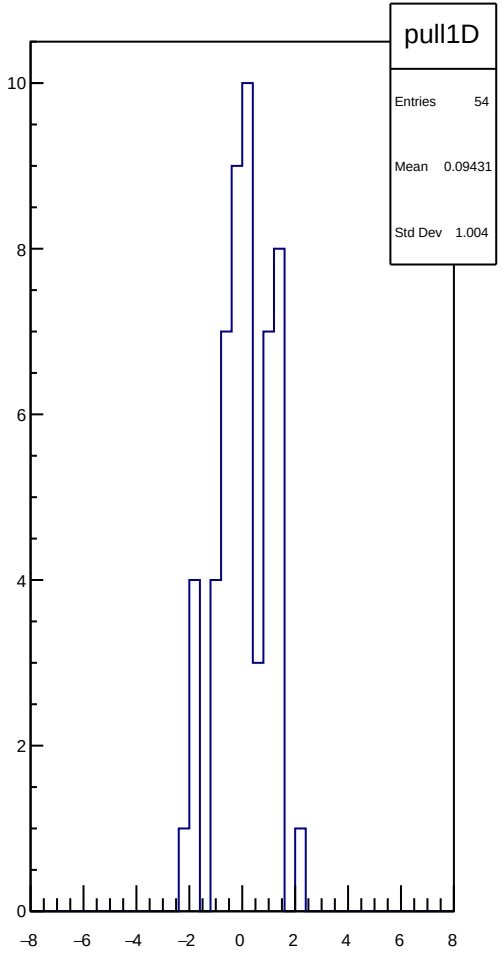

asym_atr1l2_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 7.203e+04 / 53
p0 116.5 ± 0.1188
280
260
240
220
200
180
160
140
120
100
80
60
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

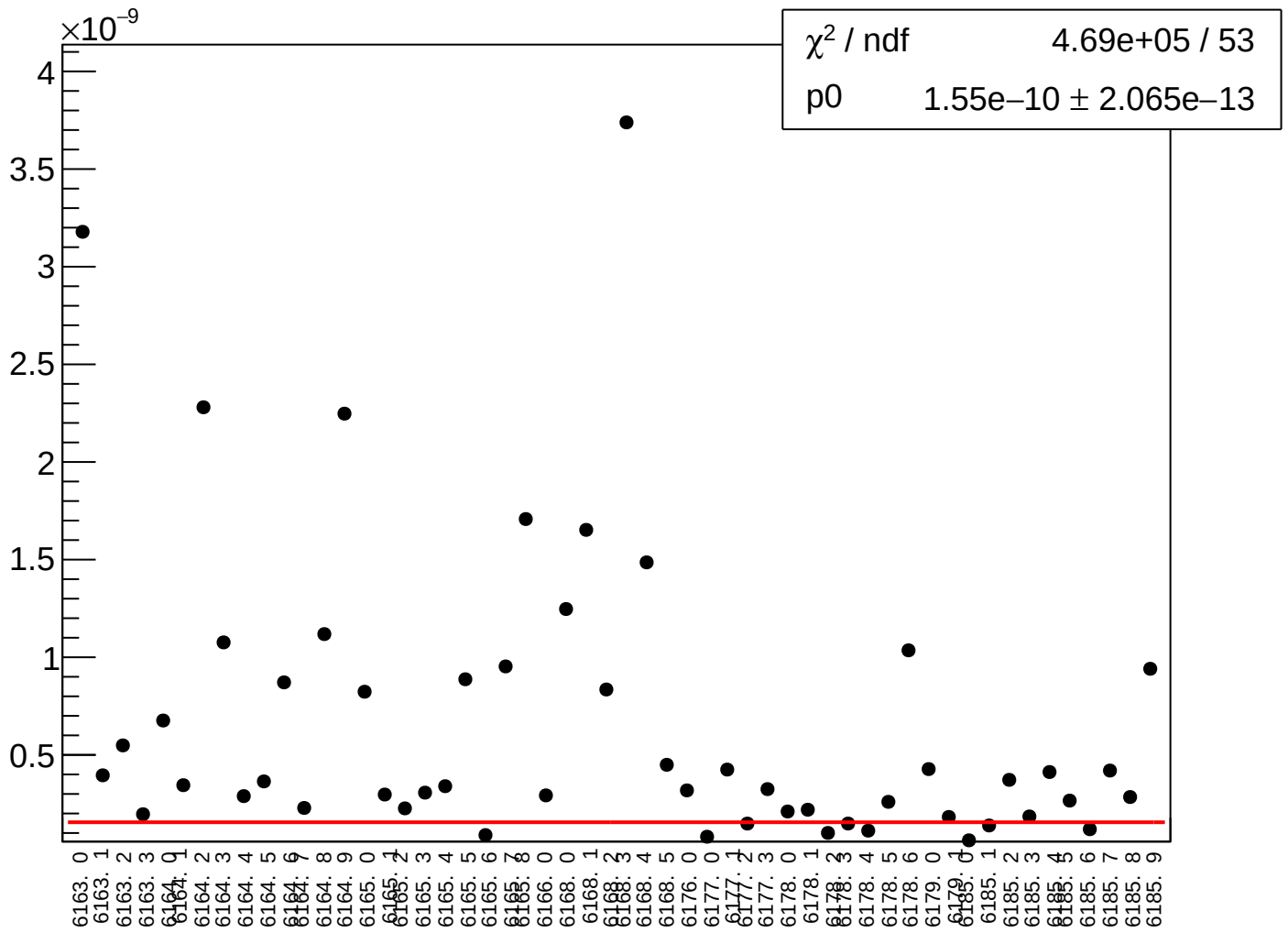

asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 53.23 / 53
p0 0.1921 ± 0.168
pull
Entries 54
Mean −13.12
Std Dev 0

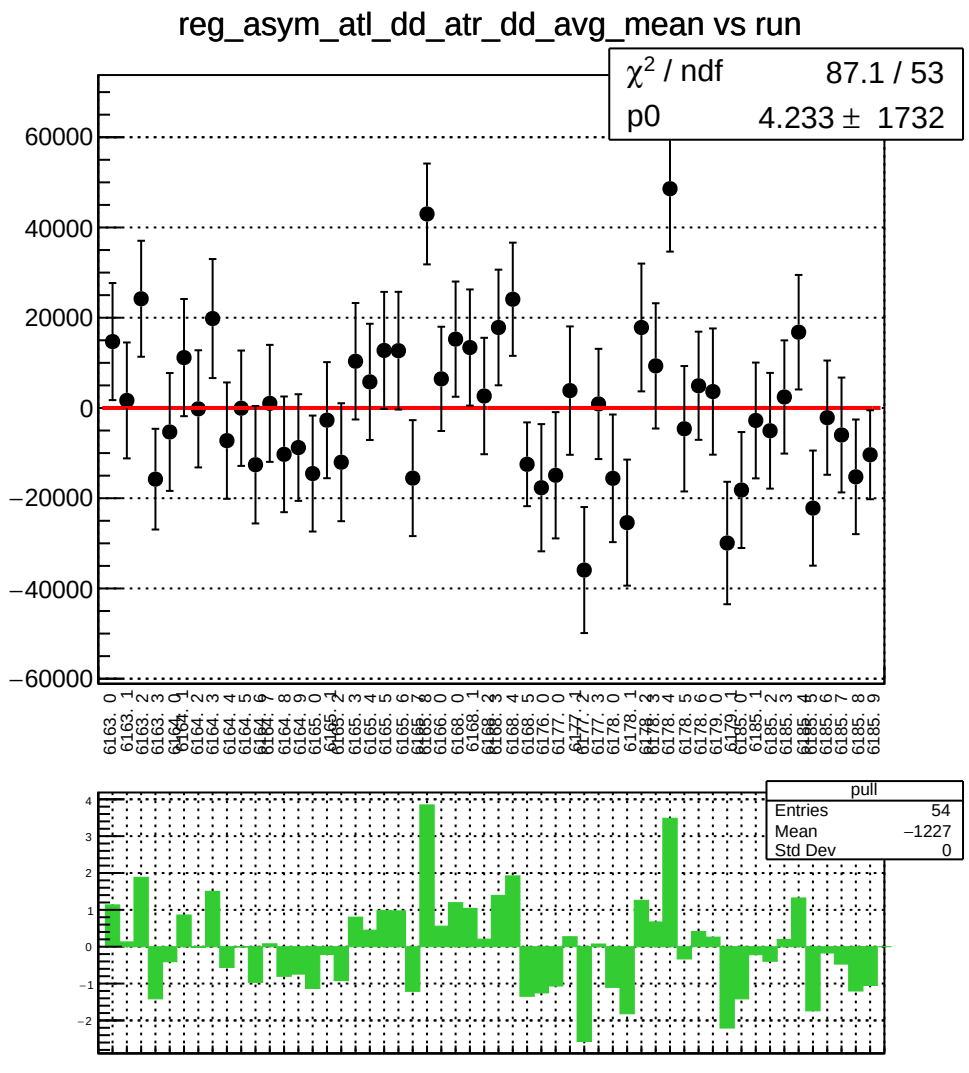

pull1D
Entries 54
Mean −0.06025
Std Dev 0.991

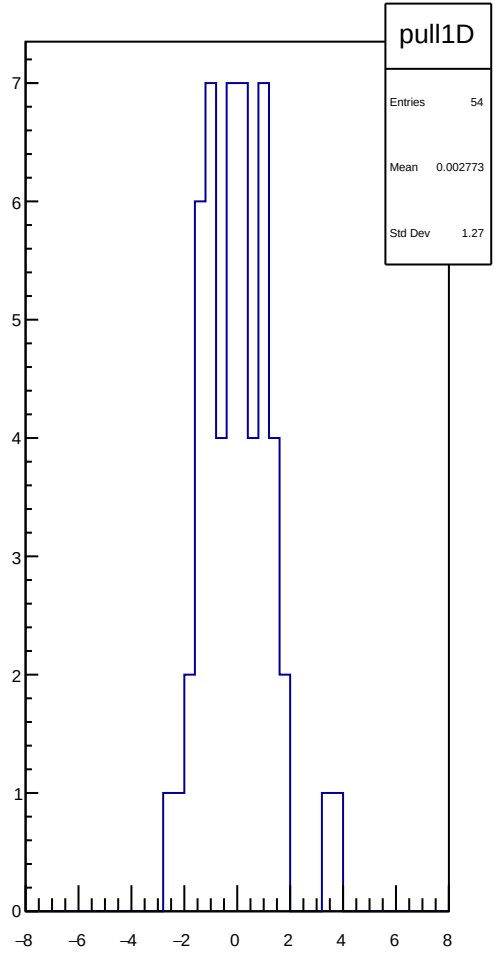

asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.203e+04 / 53
p0 116.5 ± 0.1188
280
260
240
220
200
180
160
140
120
100
80
60
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

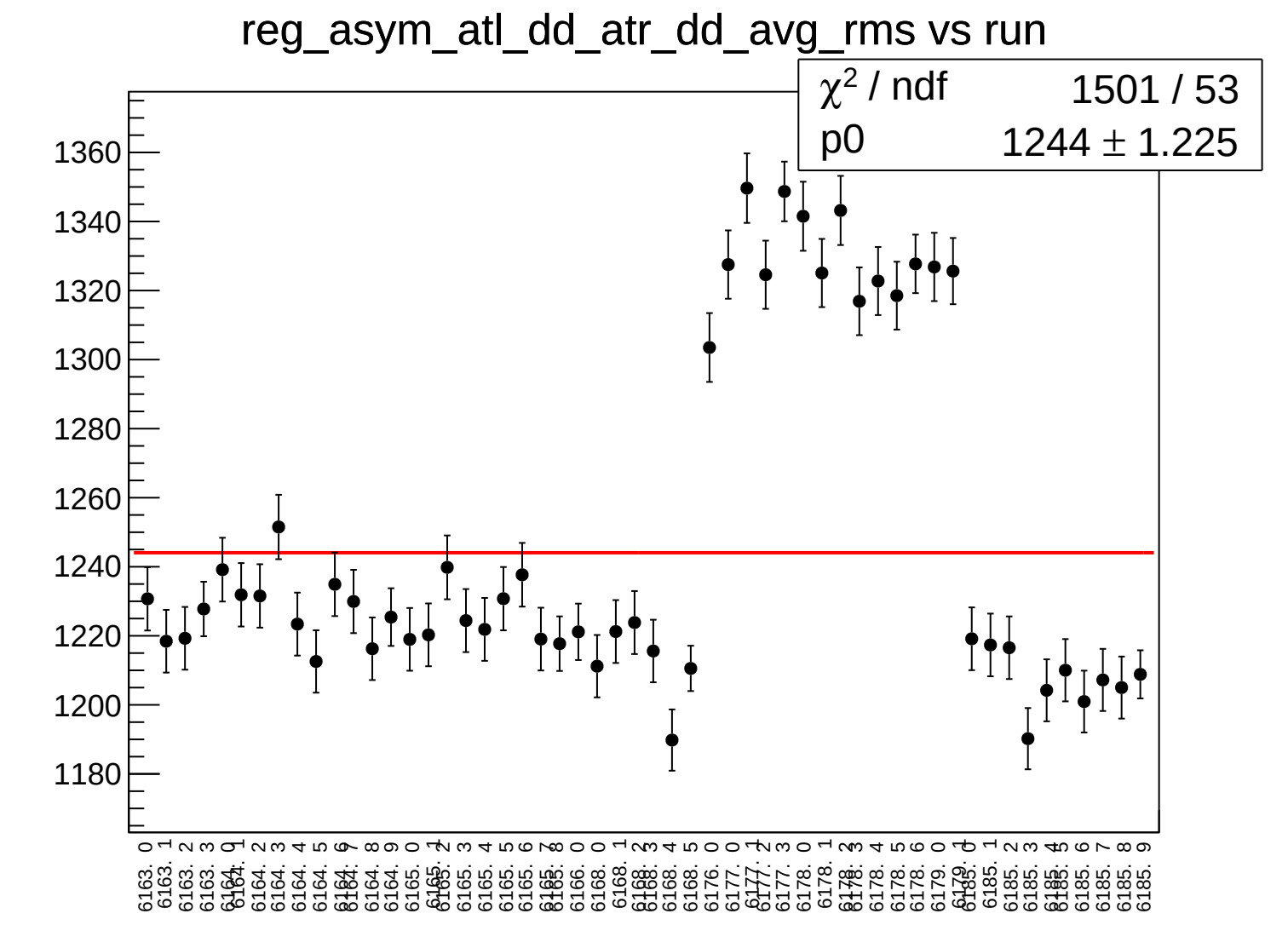

asym_atr1l2_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 54.94 / 53
p0 −2.464e−13 ± 2.92e−13
pull
Entries 54
Mean −15.97
Std Dev 0

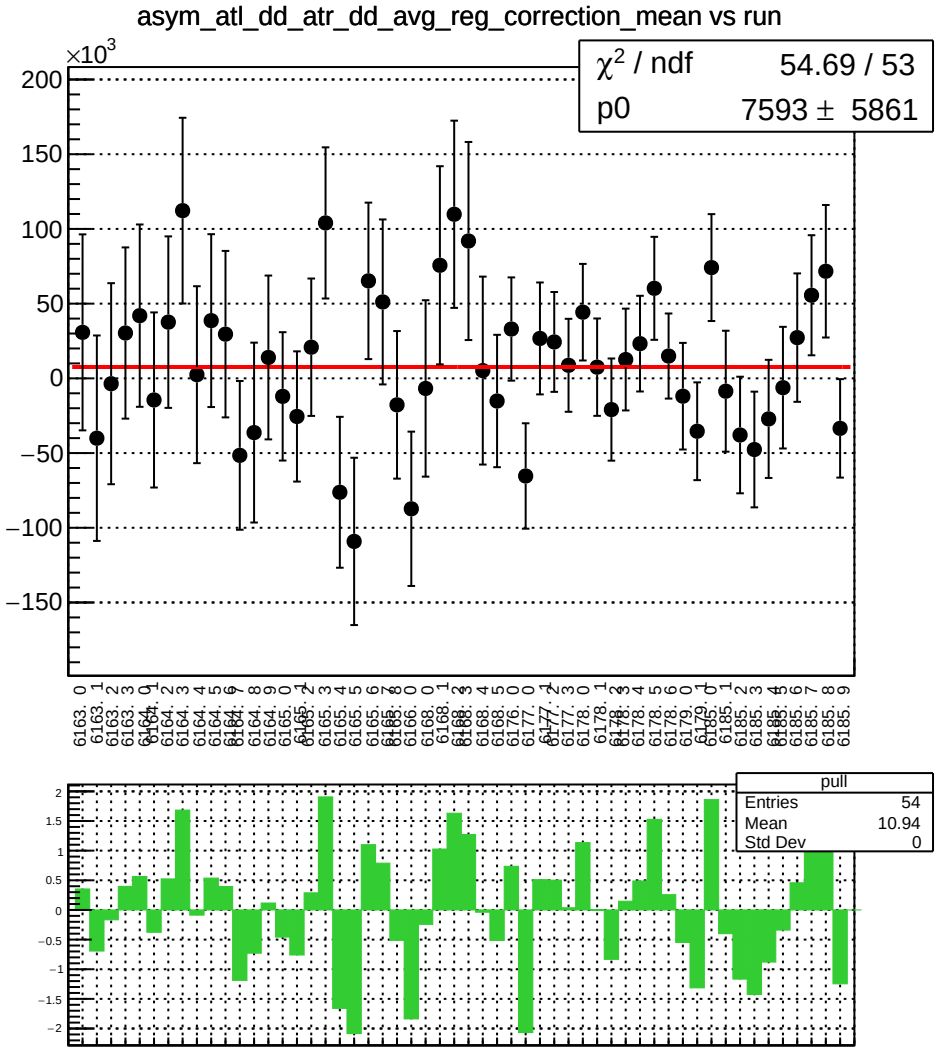

pull1D
Entries 54
Mean 0.09431
Std Dev 1.004

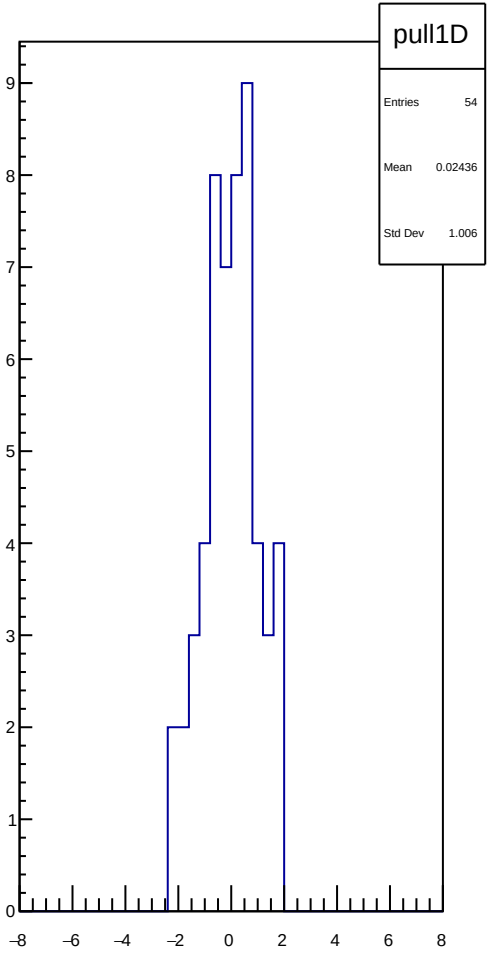

asym_atr1l2_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.69e+05 / 53
p0 1.55e−10 ± 2.065e−13
4
3.5
3
2.5
2
1.5
1
0.5
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

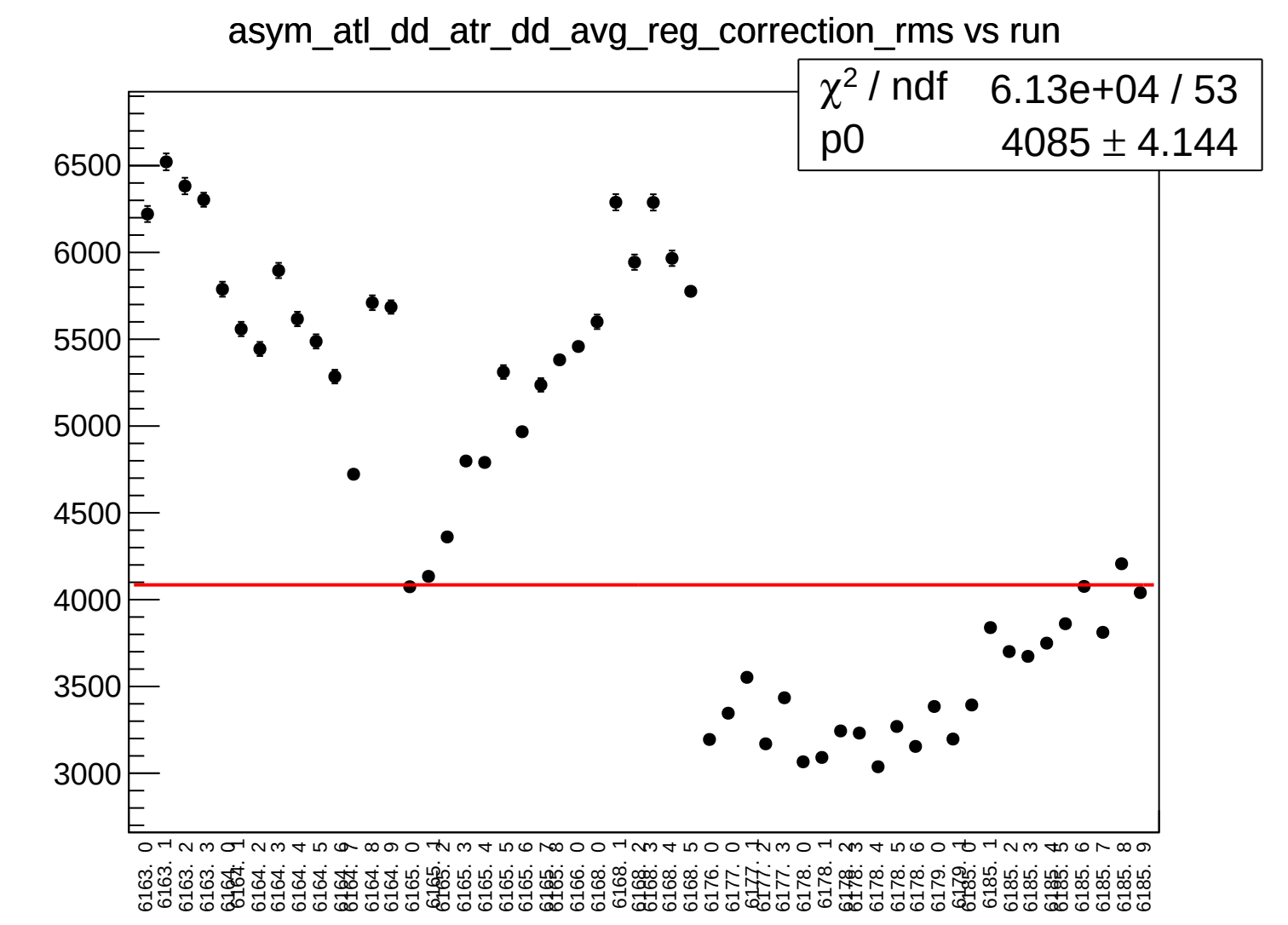

reg_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 87.1 / 53
p0 4.233 ± 1732
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean −1227
Std Dev 0
4
3
2
1
0
−1
−2

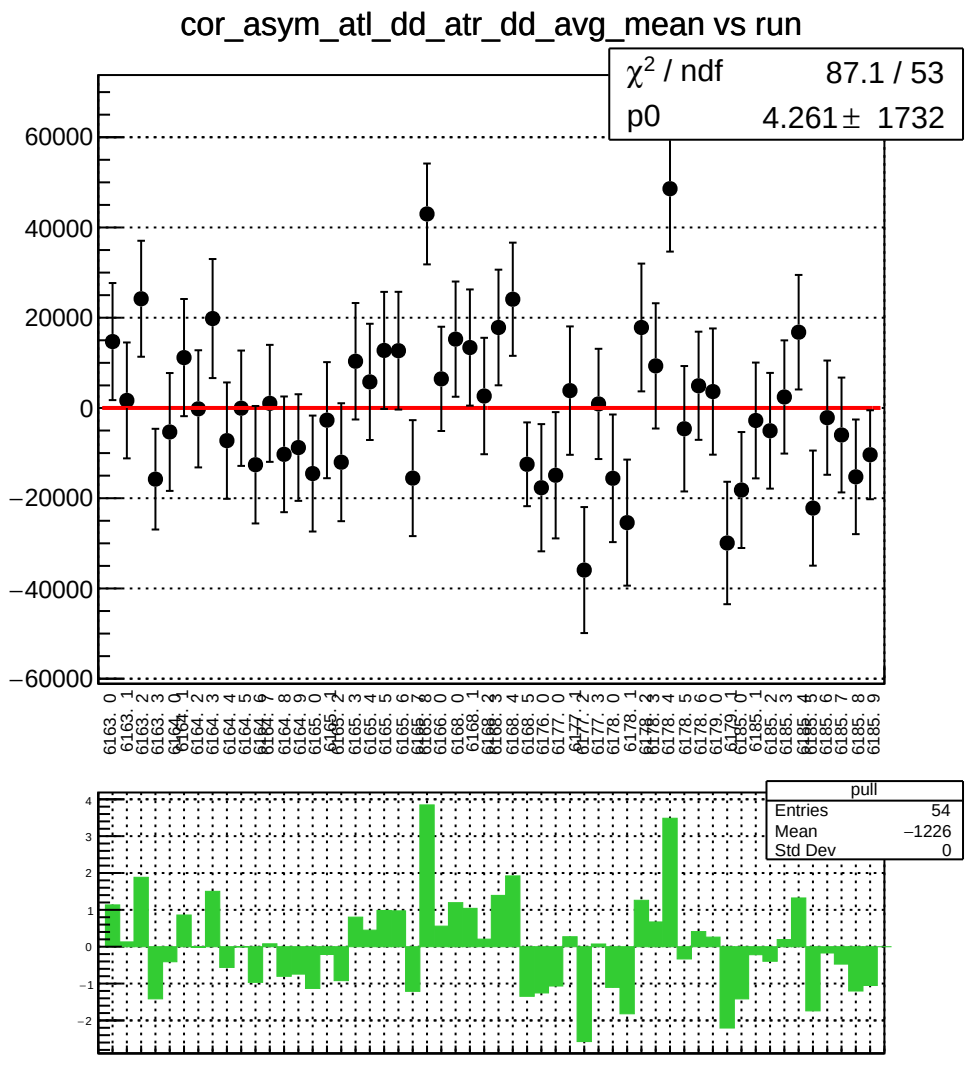

pull1D
Entries 54
Mean 0.002773
Std Dev 1.27
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

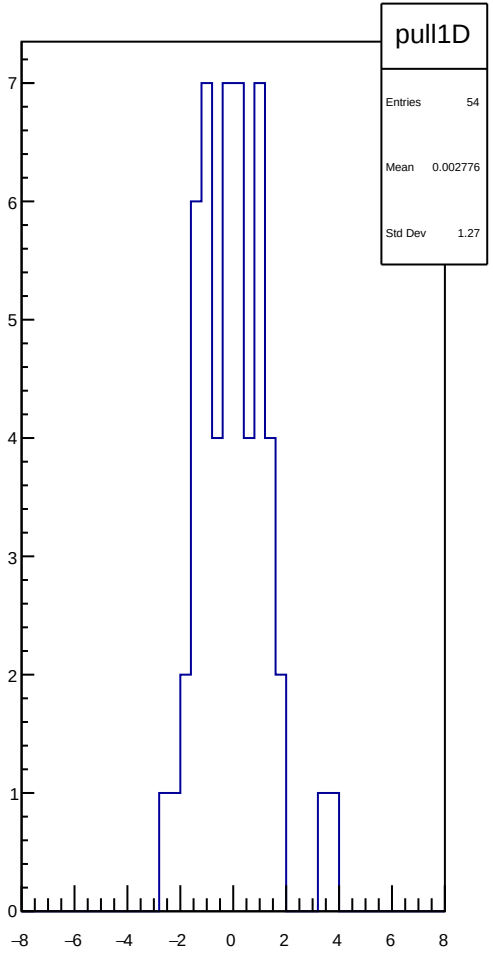

reg_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 1501 / 53
p0 1244 ± 1.225
1360
1340
1320
1300
1280
1260
1240
1220
1200
1180
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

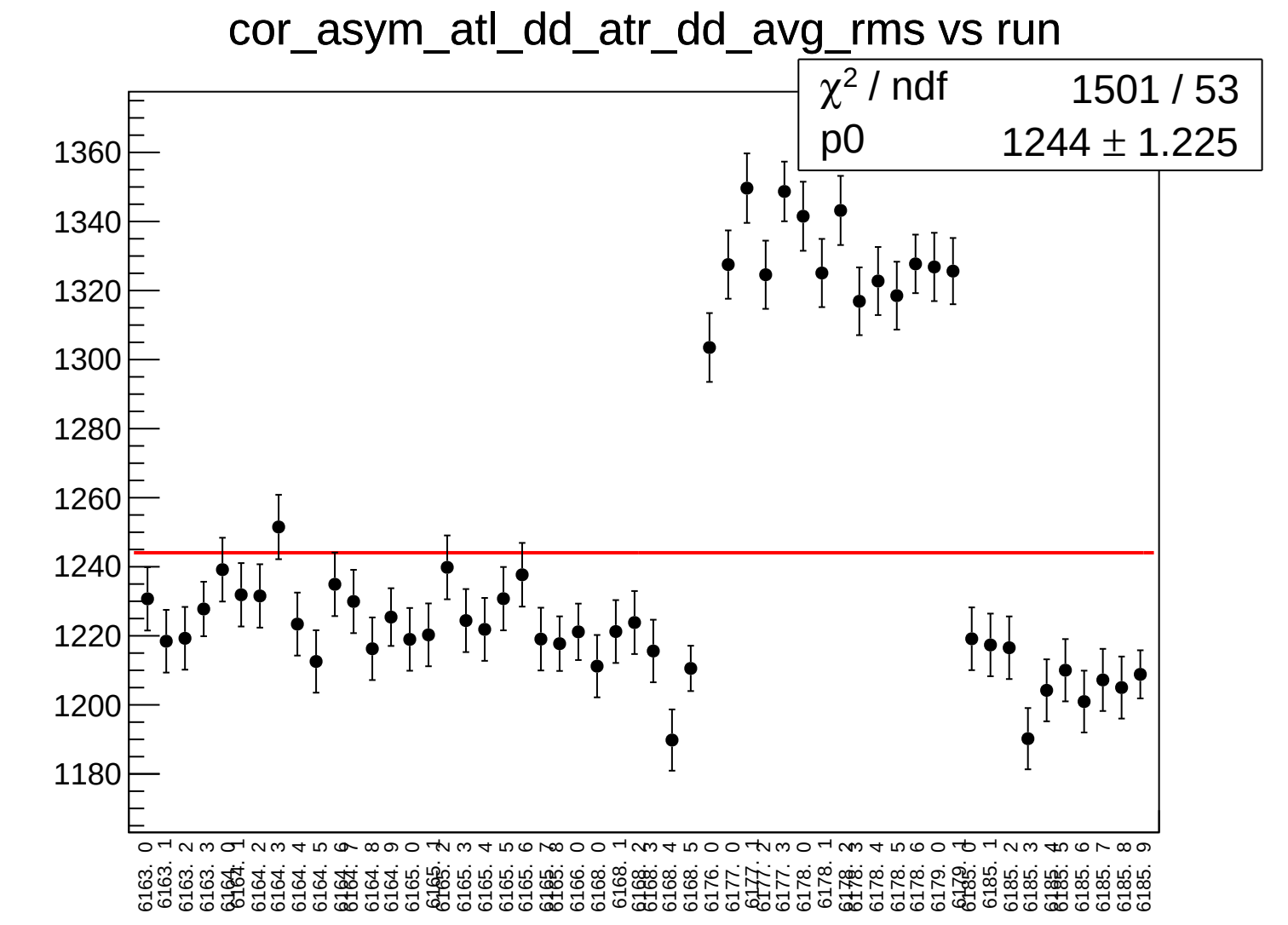

asym_atl_dd_atr_dd_avg_reg_correction_mean vs run
×10^3
χ² / ndf 54.69 / 53
p0 7593 ± 5861
pull
Entries 54
Mean 10.94
Std Dev 0

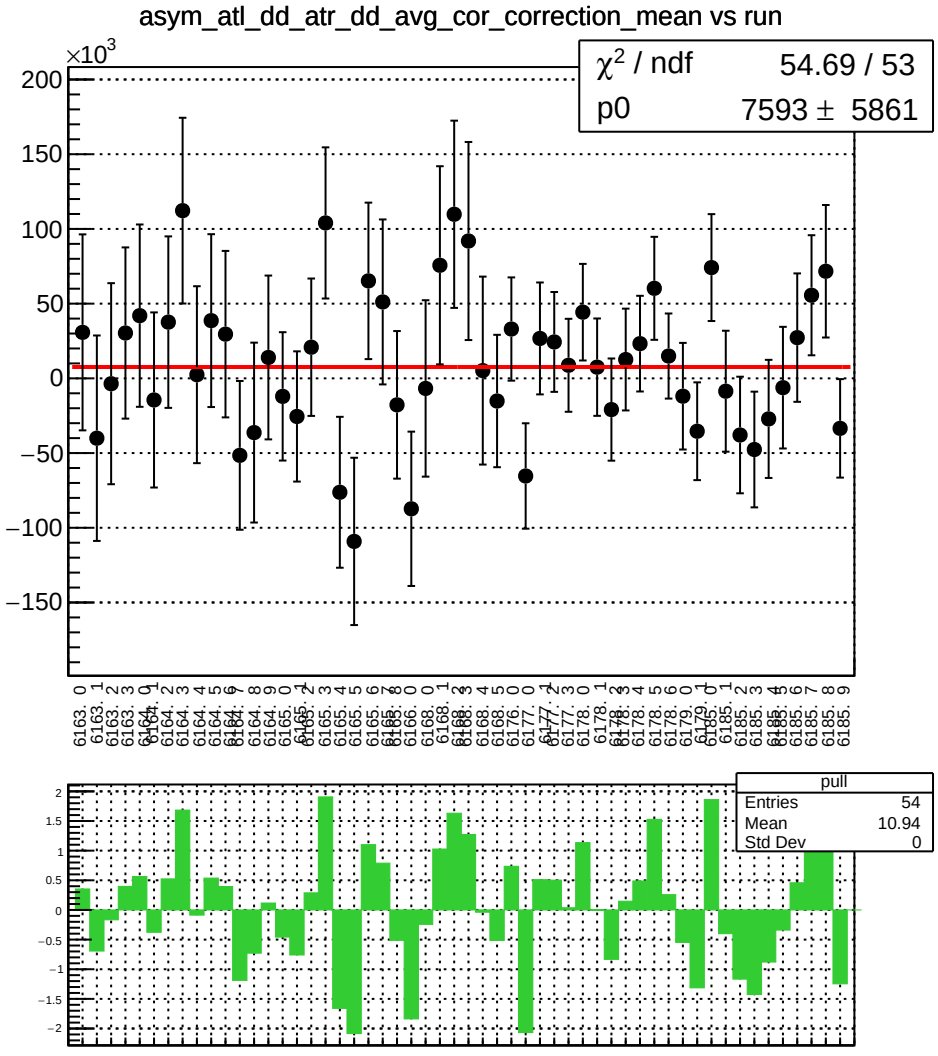

pull1D
Entries 54
Mean 0.02436
Std Dev 1.006

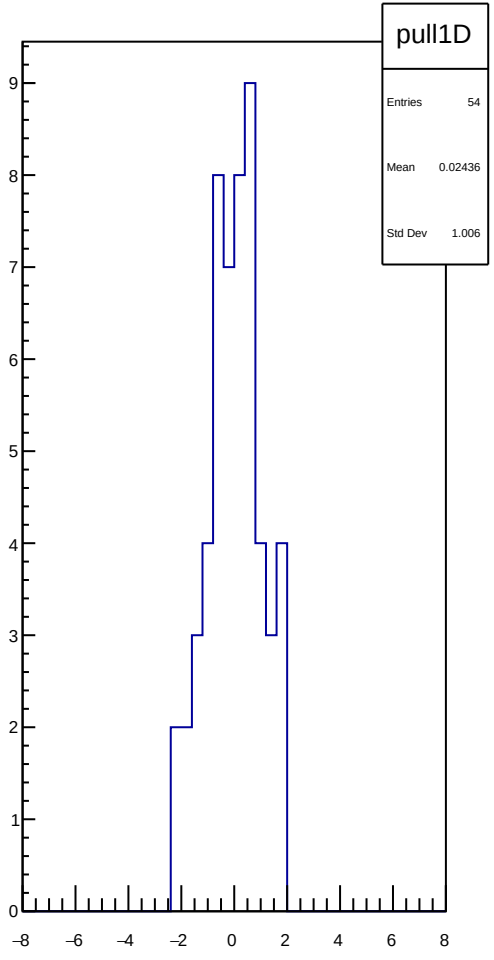

asym_atl_dd_atr_dd_avg_reg_correction_rms vs run
χ² / ndf 6.13e+04 / 53
p0 4085 ± 4.144
6500
6000
5500
5000
4500
4000
3500
3000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

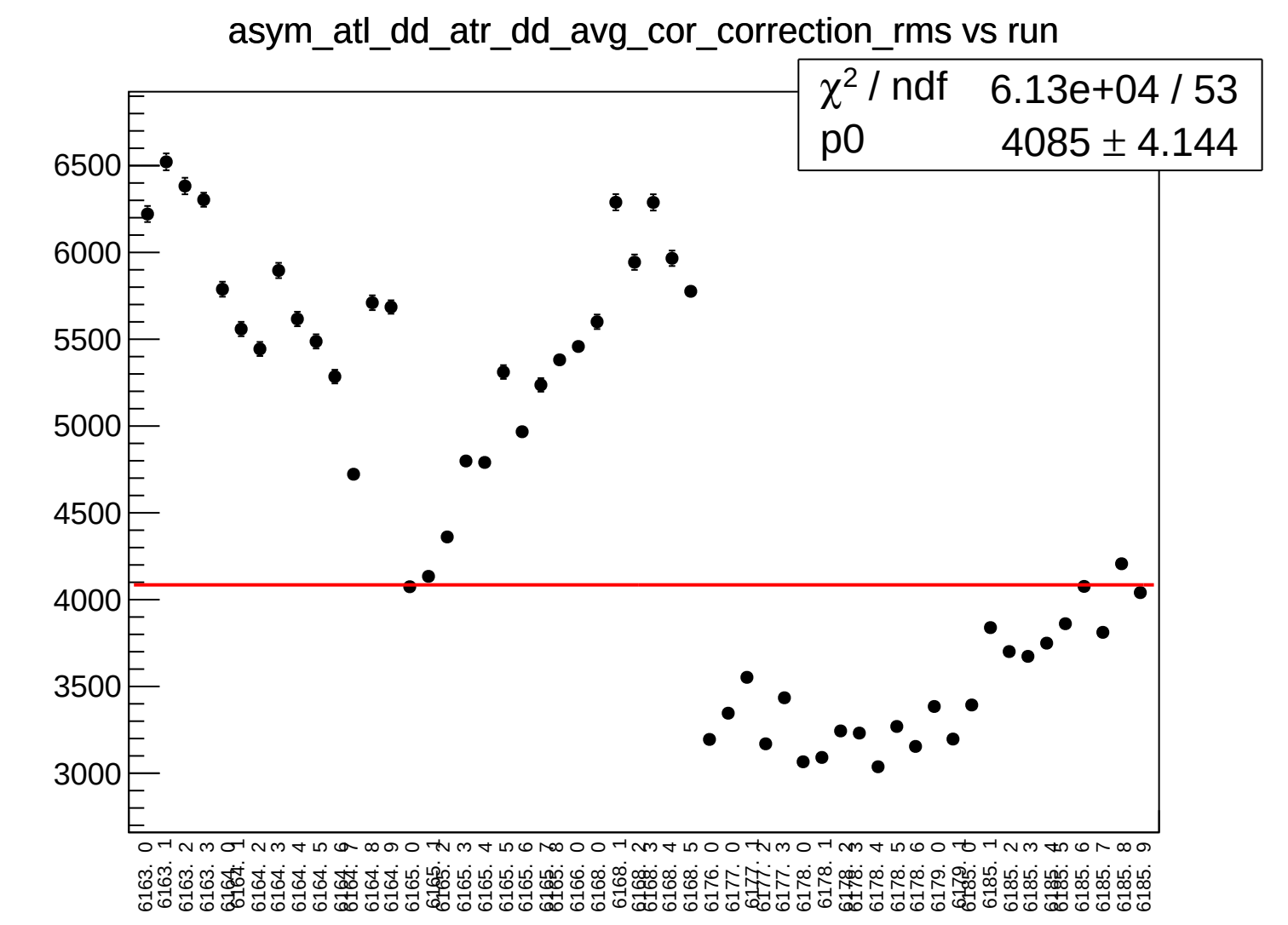

cor_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 87.1 / 53
p0 4.261± 1732
pull
Entries 54
Mean −1226
Std Dev 0

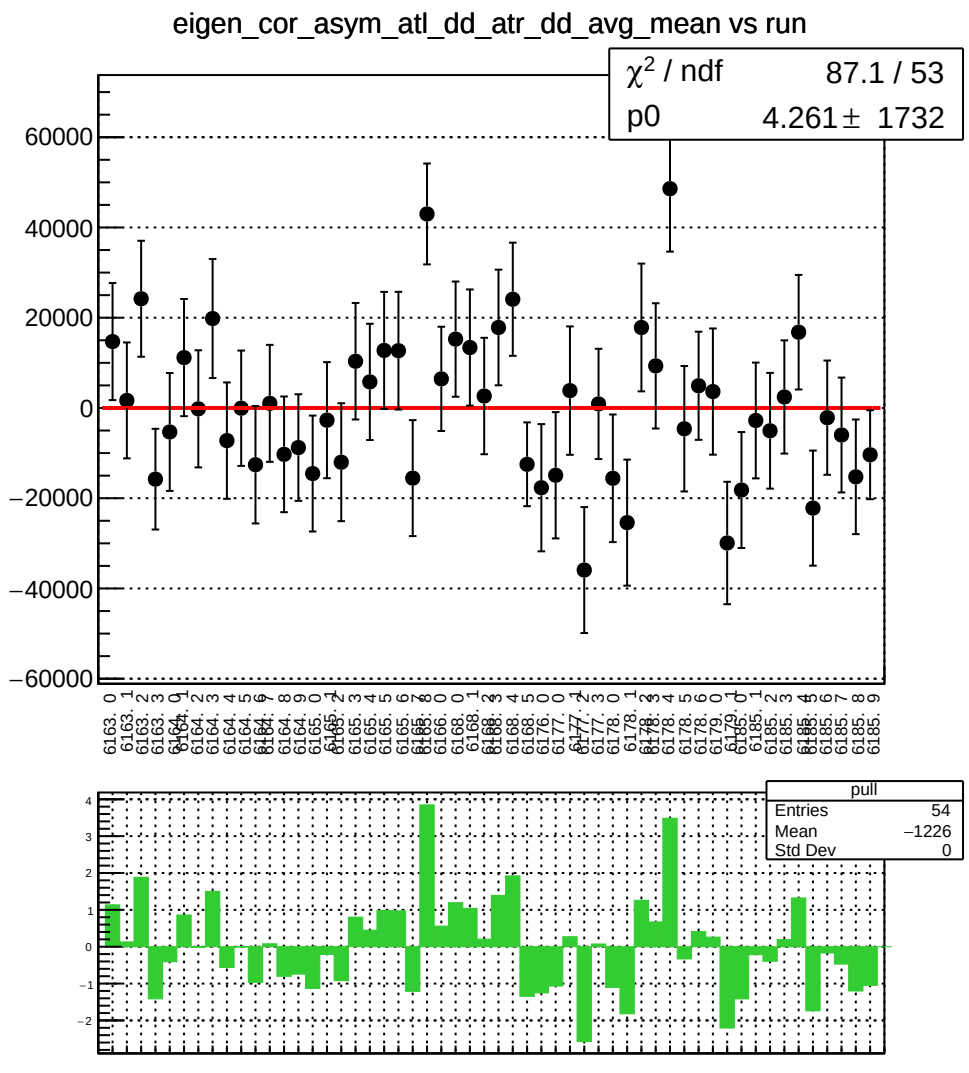

pull1D
Entries 54
Mean 0.002776
Std Dev 1.27

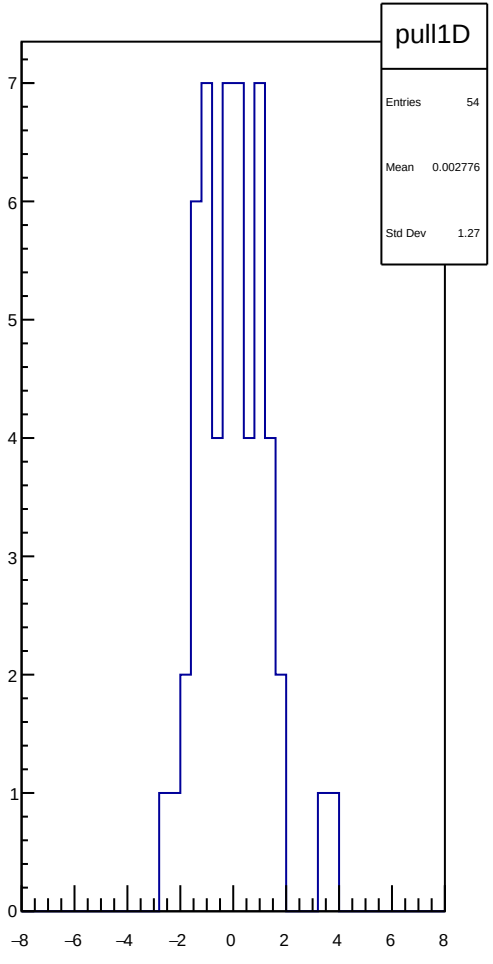

cor_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 1501 / 53
p0 1244 ± 1.225
1360
1340
1320
1300
1280
1260
1240
1220
1200
1180
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

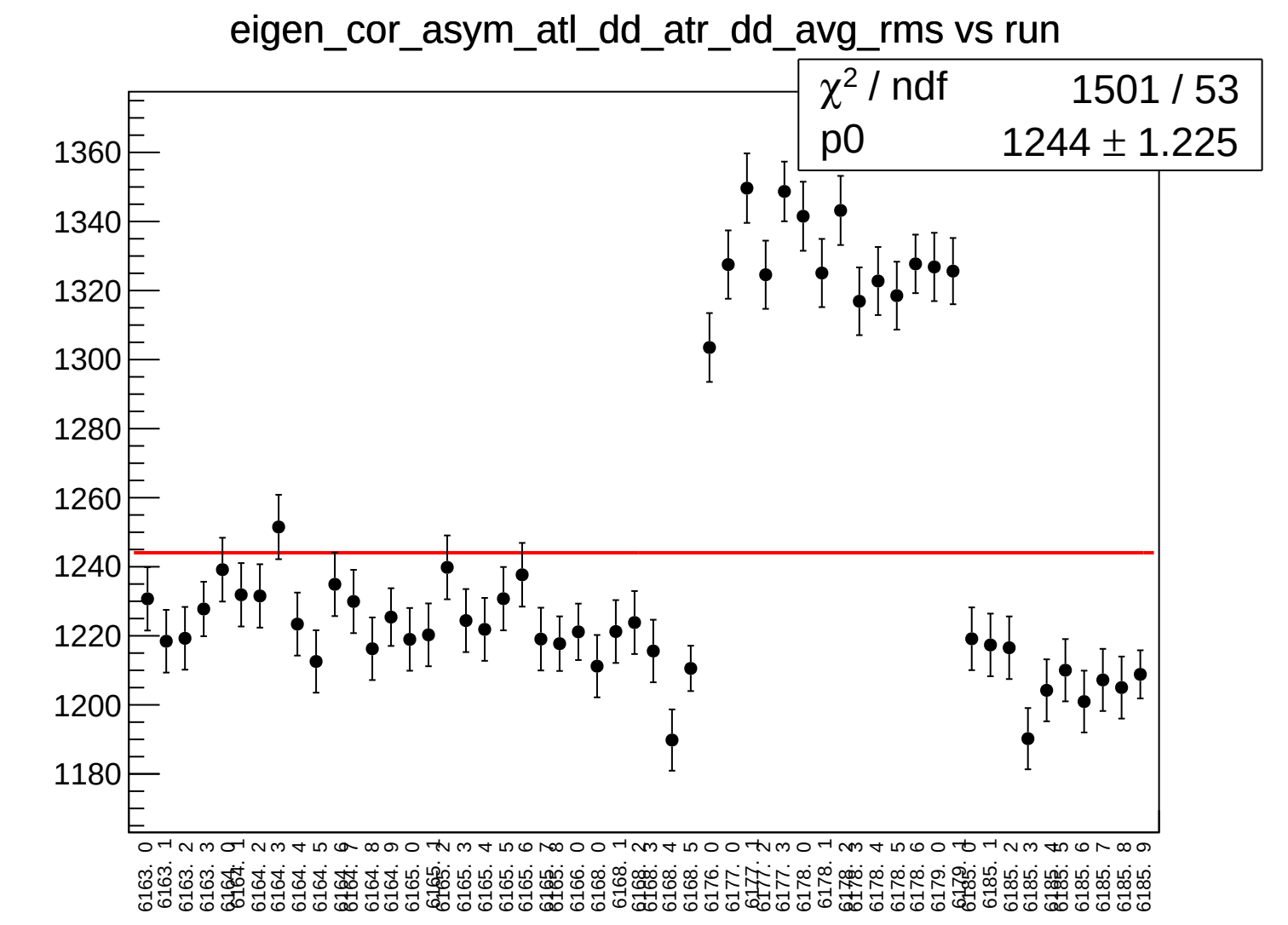

asym_atl_dd_atr_dd_avg_cor_correction_mean vs run
×10^3
χ² / ndf 54.69 / 53
p0 7593 ± 5861
pull
Entries 54
Mean 10.94
Std Dev 0


pull1D
Entries 54
Mean 0.02436
Std Dev 1.006


asym_atl_dd_atr_dd_avg_cor_correction_rms vs run
χ² / ndf 6.13e+04 / 53
p0 4085 ± 4.144
6500
6000
5500
5000
4500
4000
3500
3000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


eigen_cor_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 87.1 / 53
p0 4.261 ± 1732
pull
Entries 54
Mean −1226
Std Dev 0


pull1D
Entries 54
Mean 0.002776
Std Dev 1.27


eigen_cor_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 1501 / 53
p0 1244 ± 1.225
1360
1340
1320
1300
1280
1260
1240
1220
1200
1180
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
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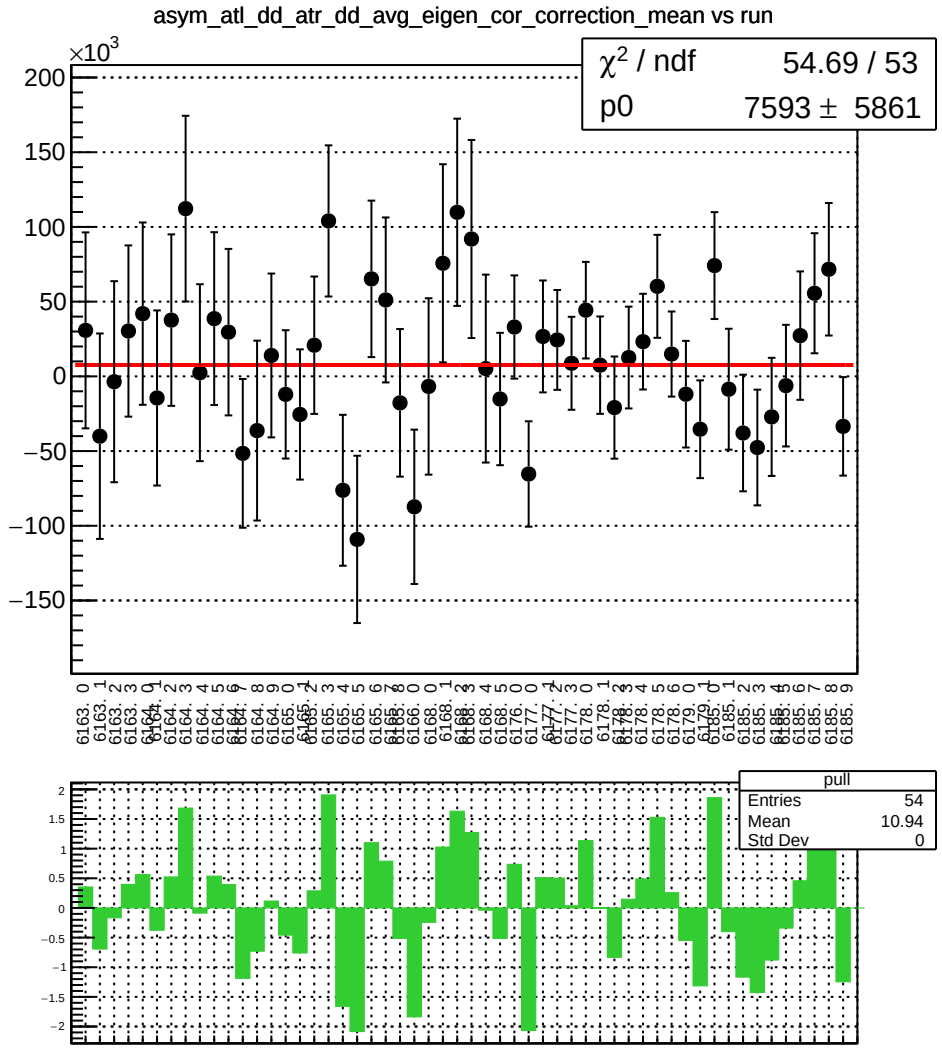
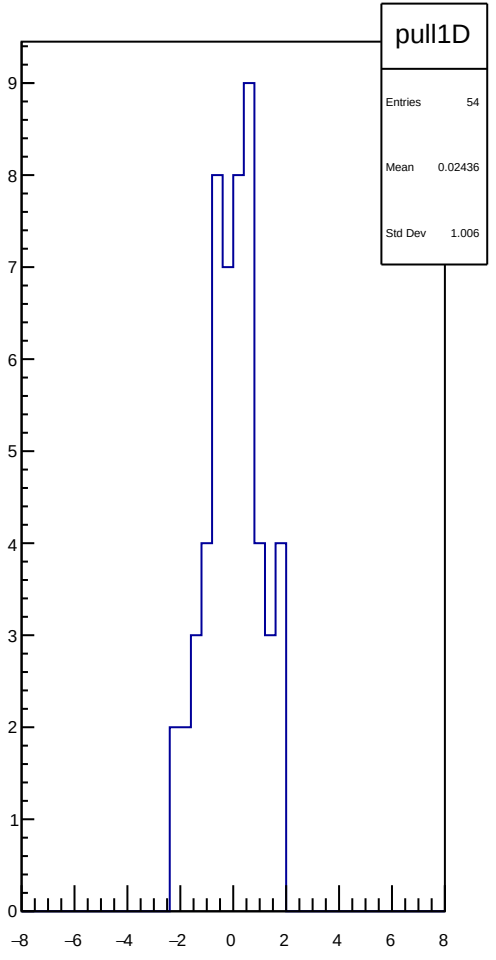
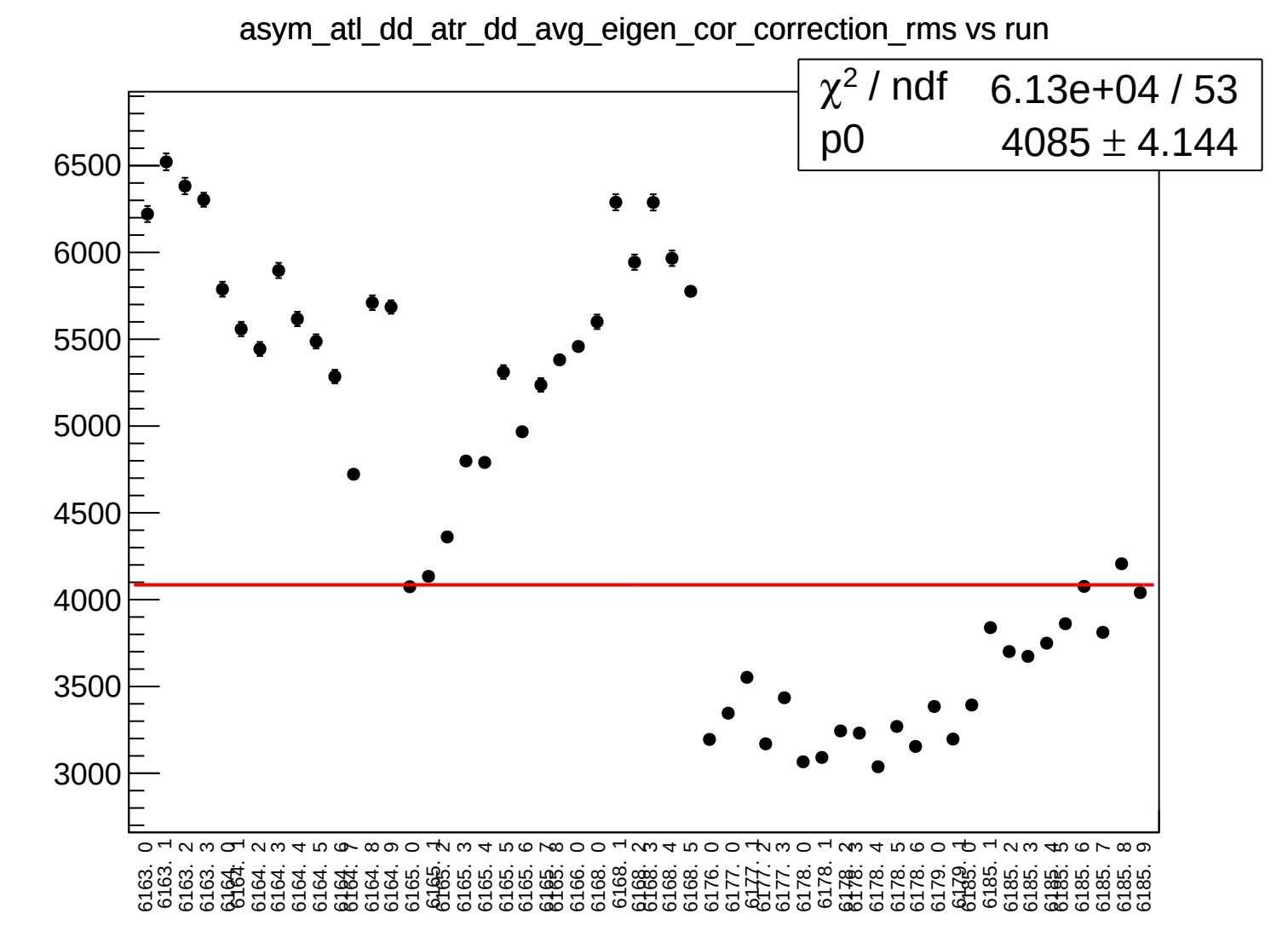
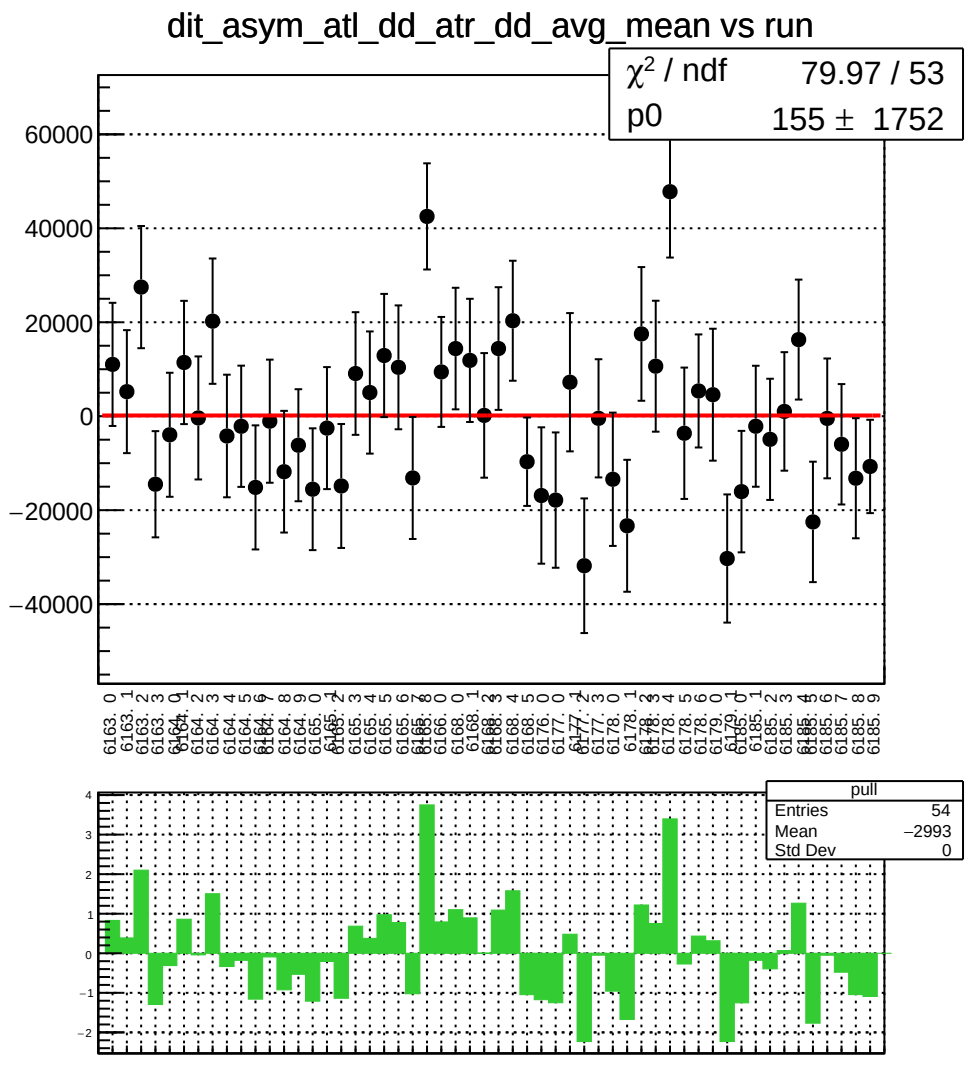
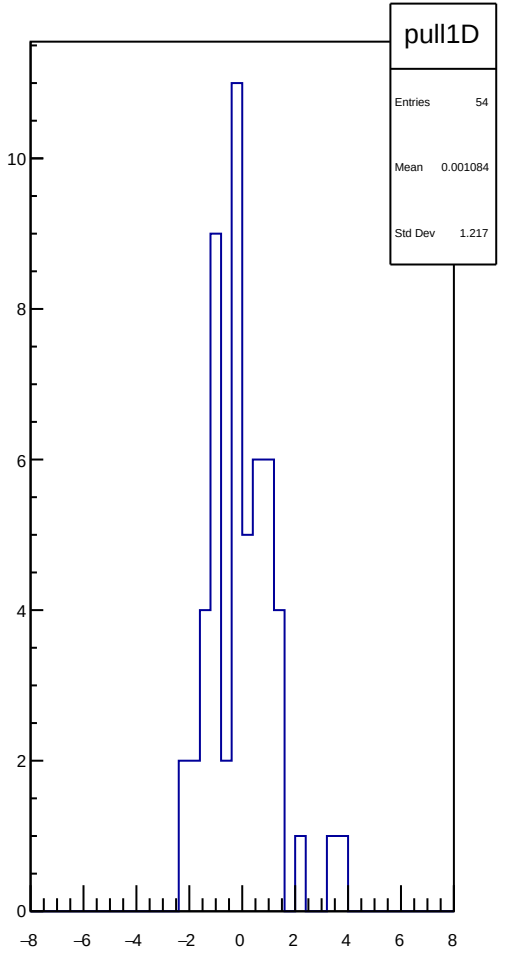
6185. 8
6185. 9

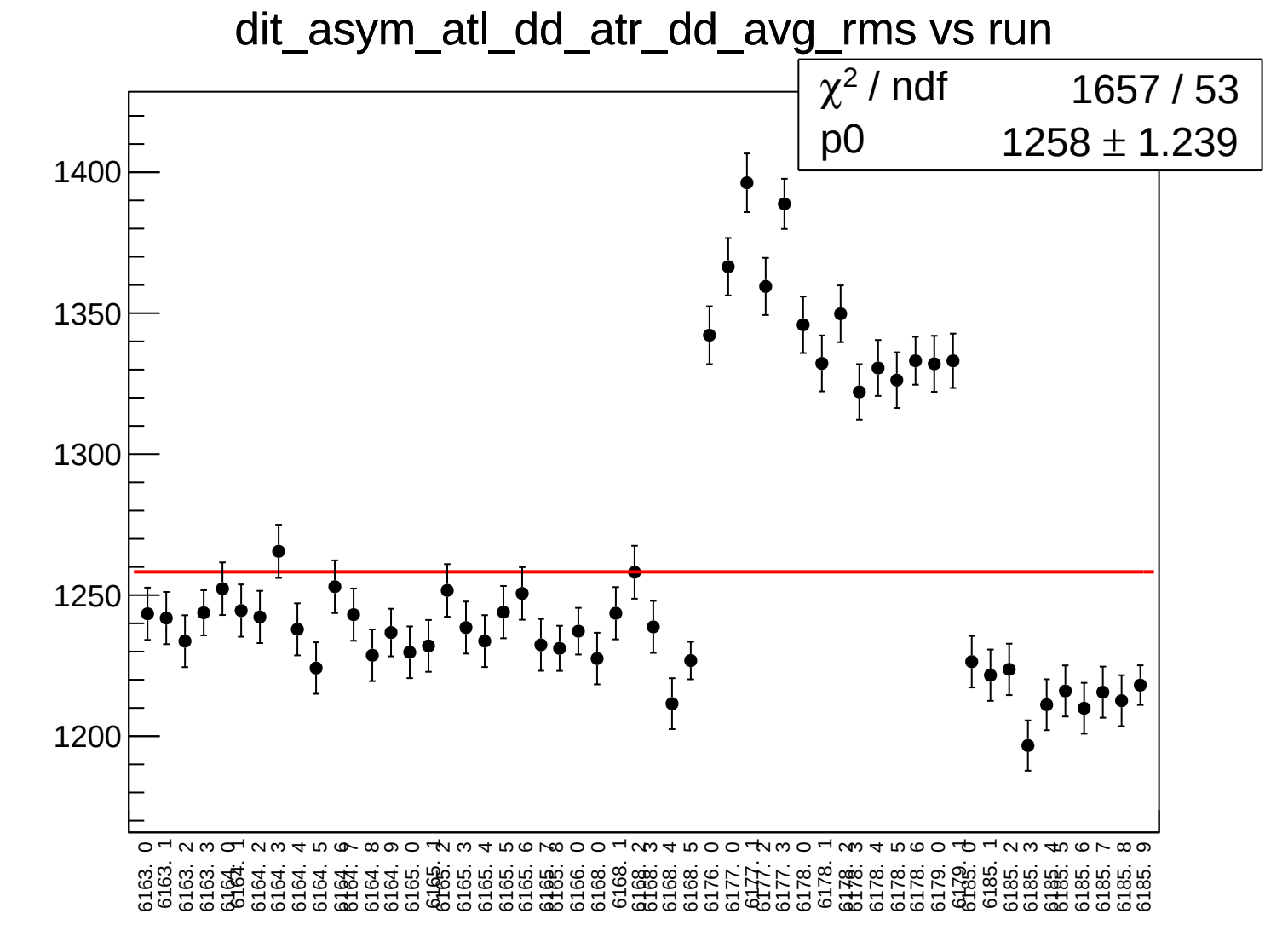

asym_atl_dd_atr_dd_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 54.69 / 53
p0 7593 ± 5861
pull
Entries 54
Mean 10.94
Std Dev 0

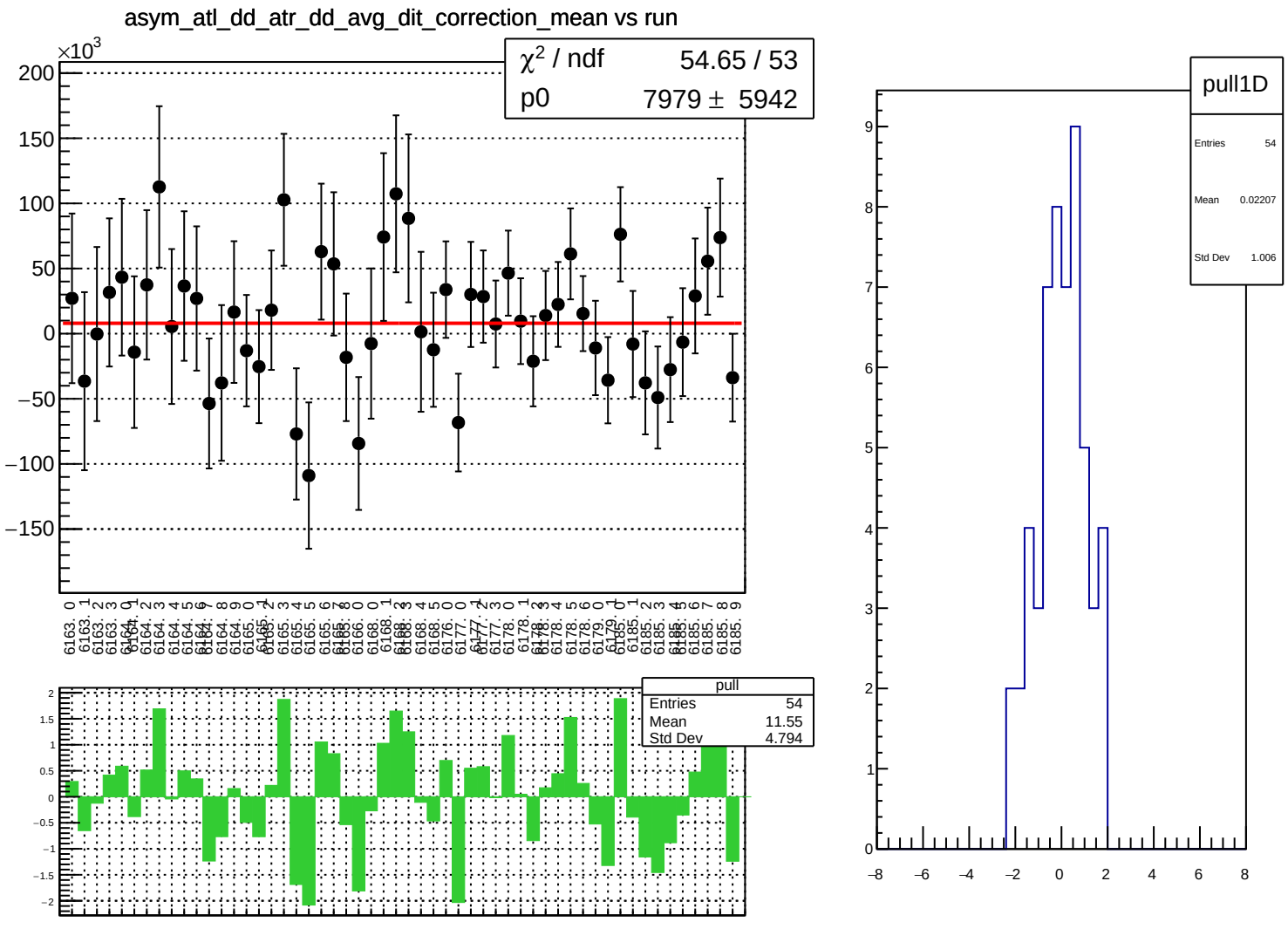

pull1D
Entries 54
Mean 0.02436
Std Dev 1.006

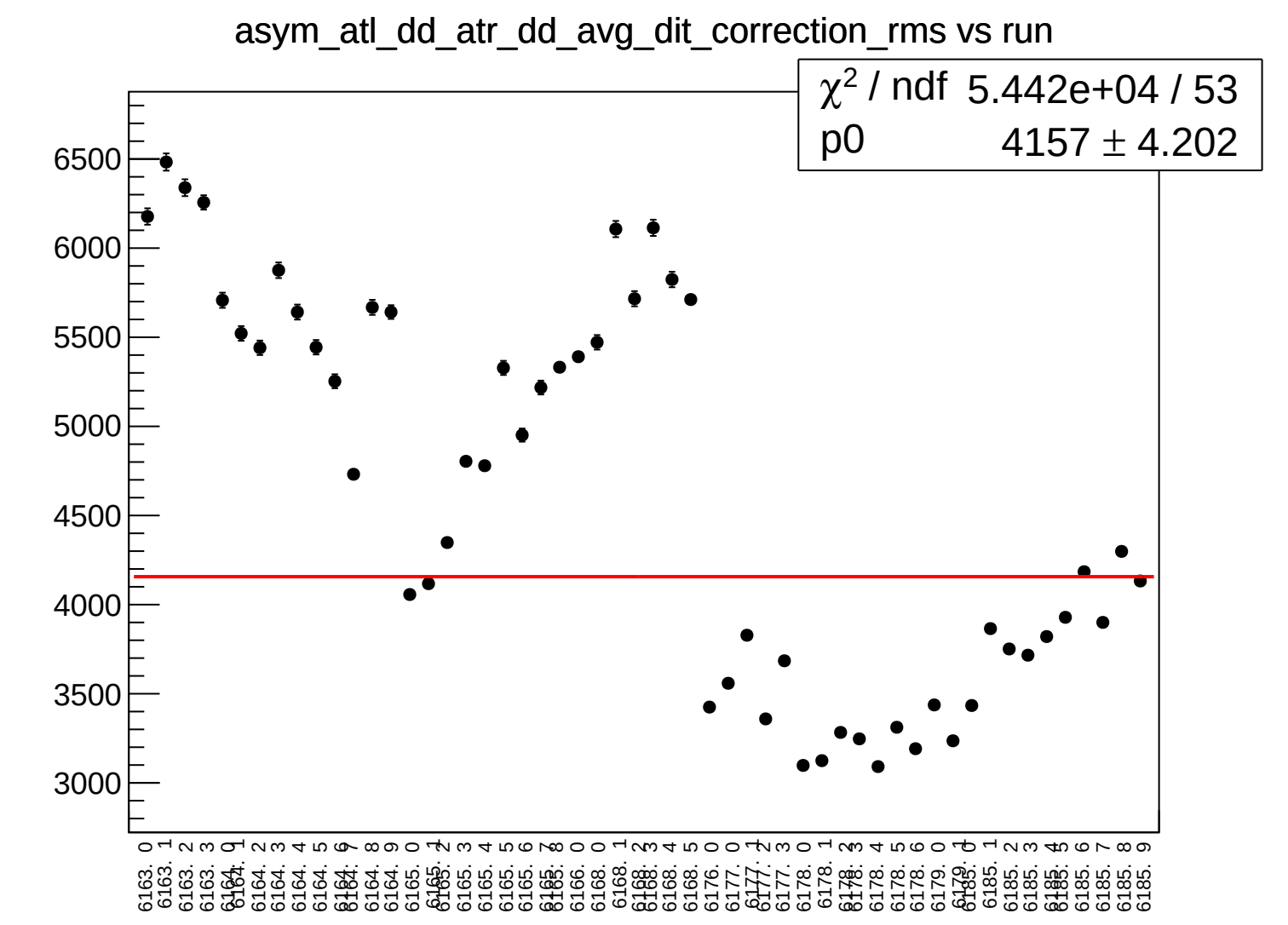

asym_atl_dd_atr_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 6.13e+04 / 53
p0 4085 ± 4.144
6500
6000
5500
5000
4500
4000
3500
3000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

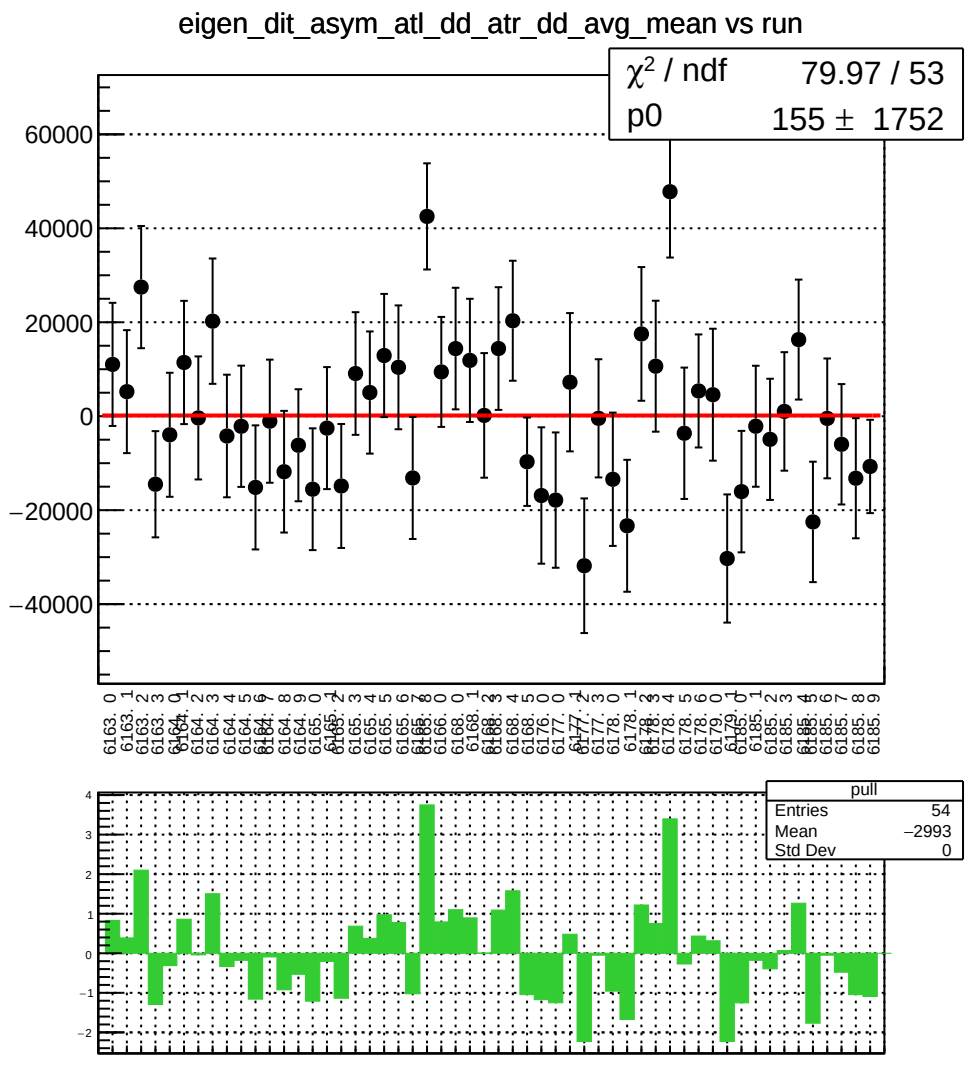

dit_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 79.97 / 53
p0 155 ± 1752
60000
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −2993
Std Dev 0
4
3
2
1
0
−1
−2

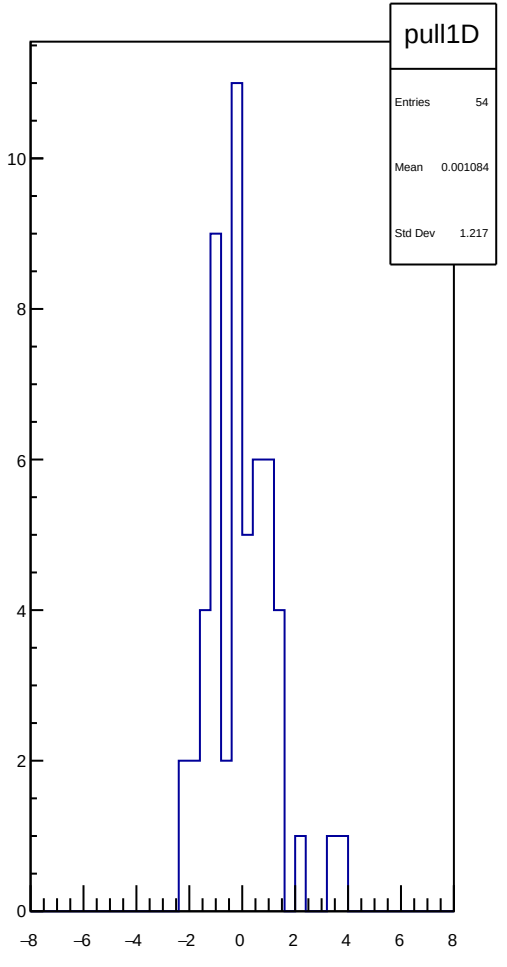

pull1D
Entries 54
Mean 0.001084
Std Dev 1.217
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

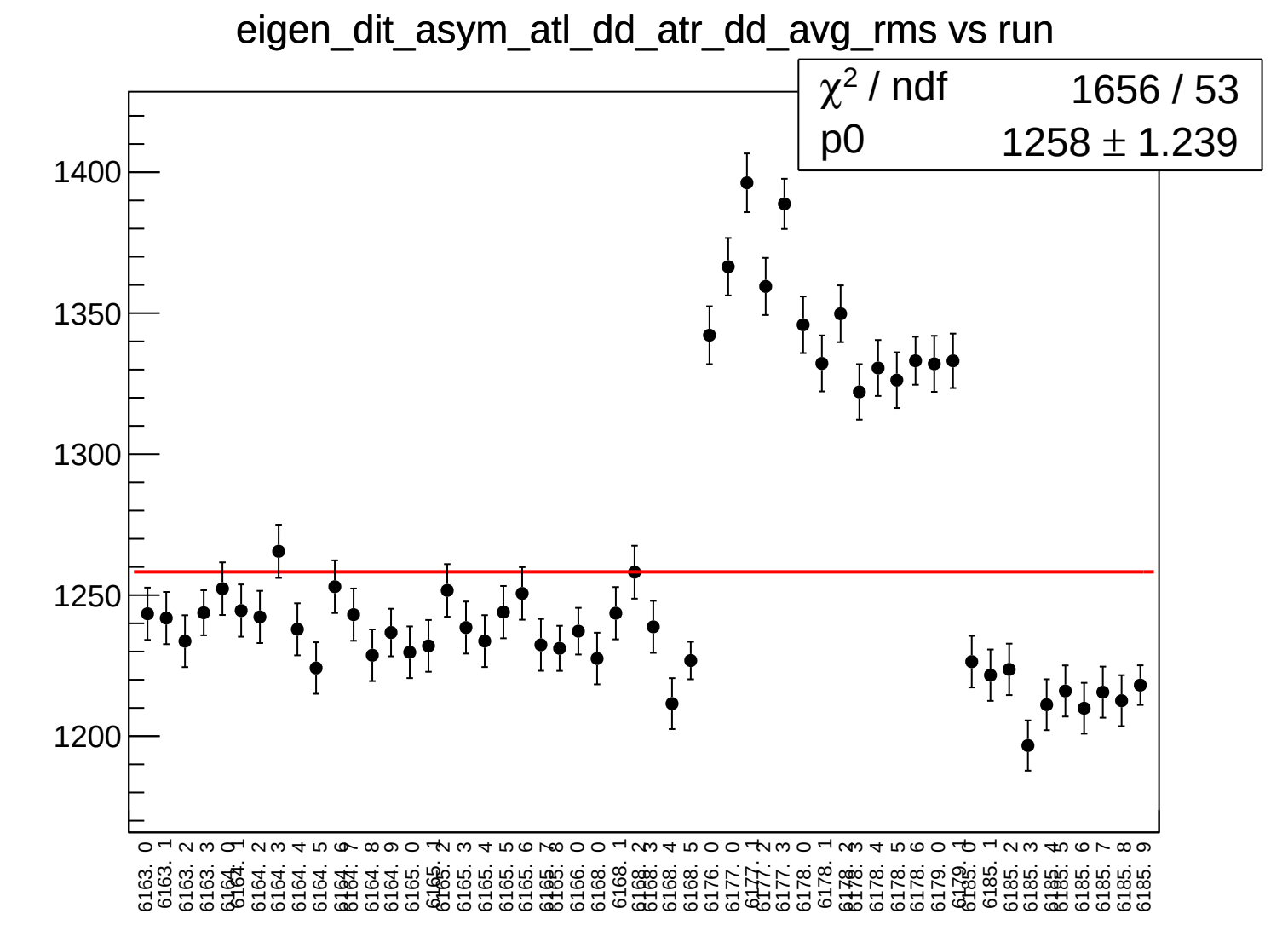

dit_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 1657 / 53
p0 1258 ± 1.239
1400
1350
1300
1250
1200
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

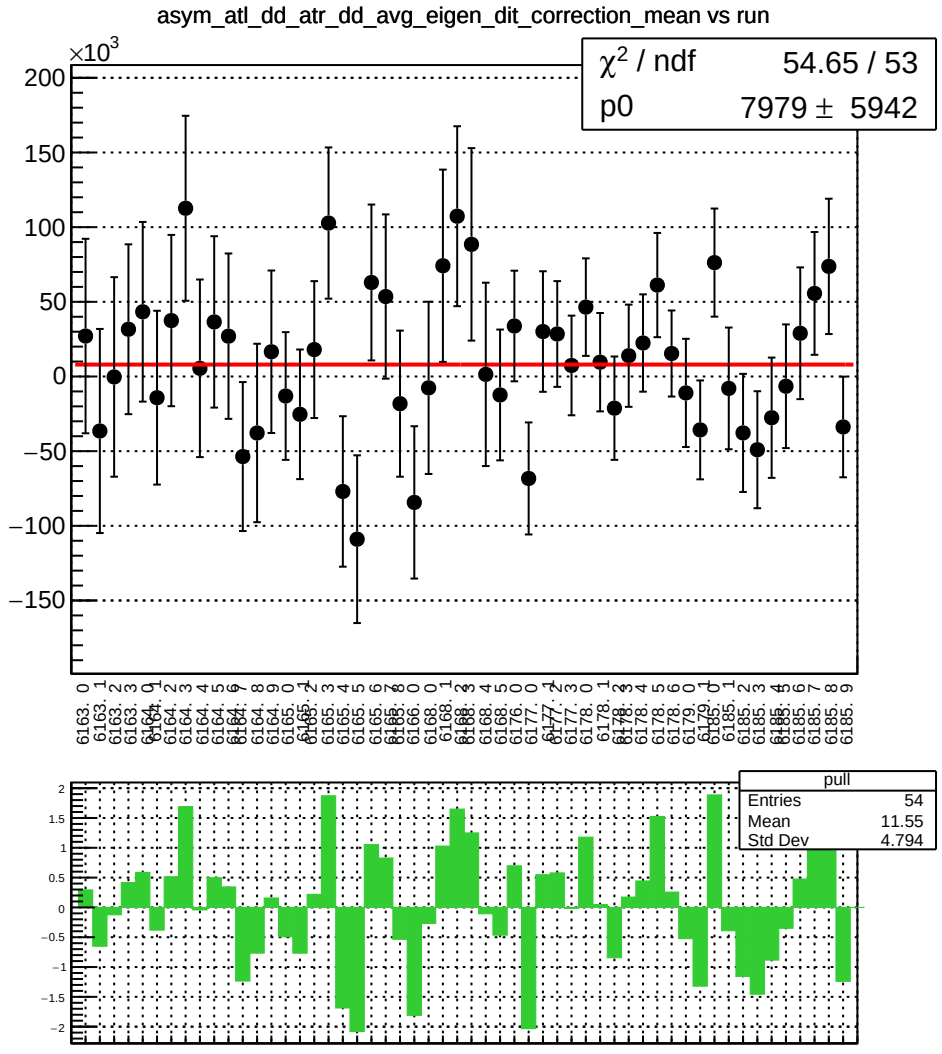

asym_atl_dd_atr_dd_avg_dit_correction_mean vs run
×10^3
χ² / ndf 54.65 / 53
p0 7979 ± 5942
pull
Entries 54
Mean 11.55
Std Dev 4.794
pull1D
Entries 54
Mean 0.02207
Std Dev 1.006

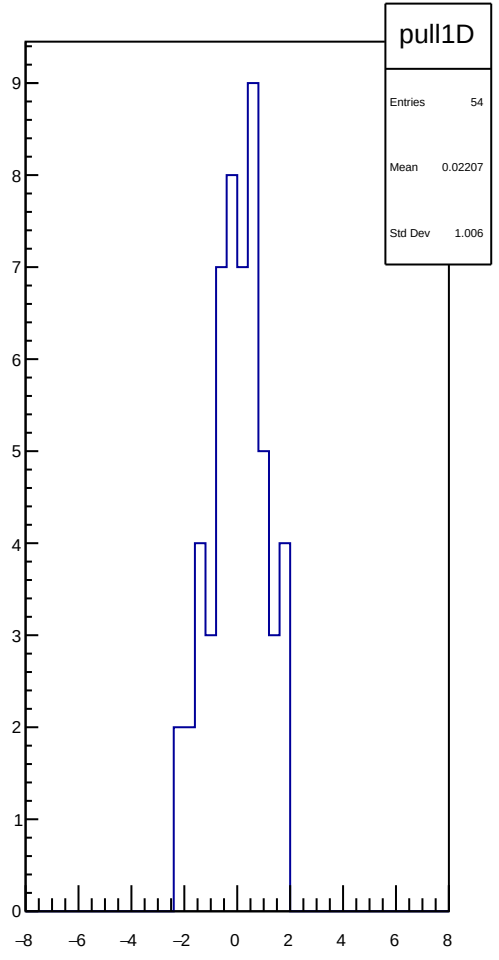

asym_atl_dd_atr_dd_avg_dit_correction_rms vs run
χ² / ndf 5.442e+04 / 53
p0 4157 ± 4.202
6500
6000
5500
5000
4500
4000
3500
3000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

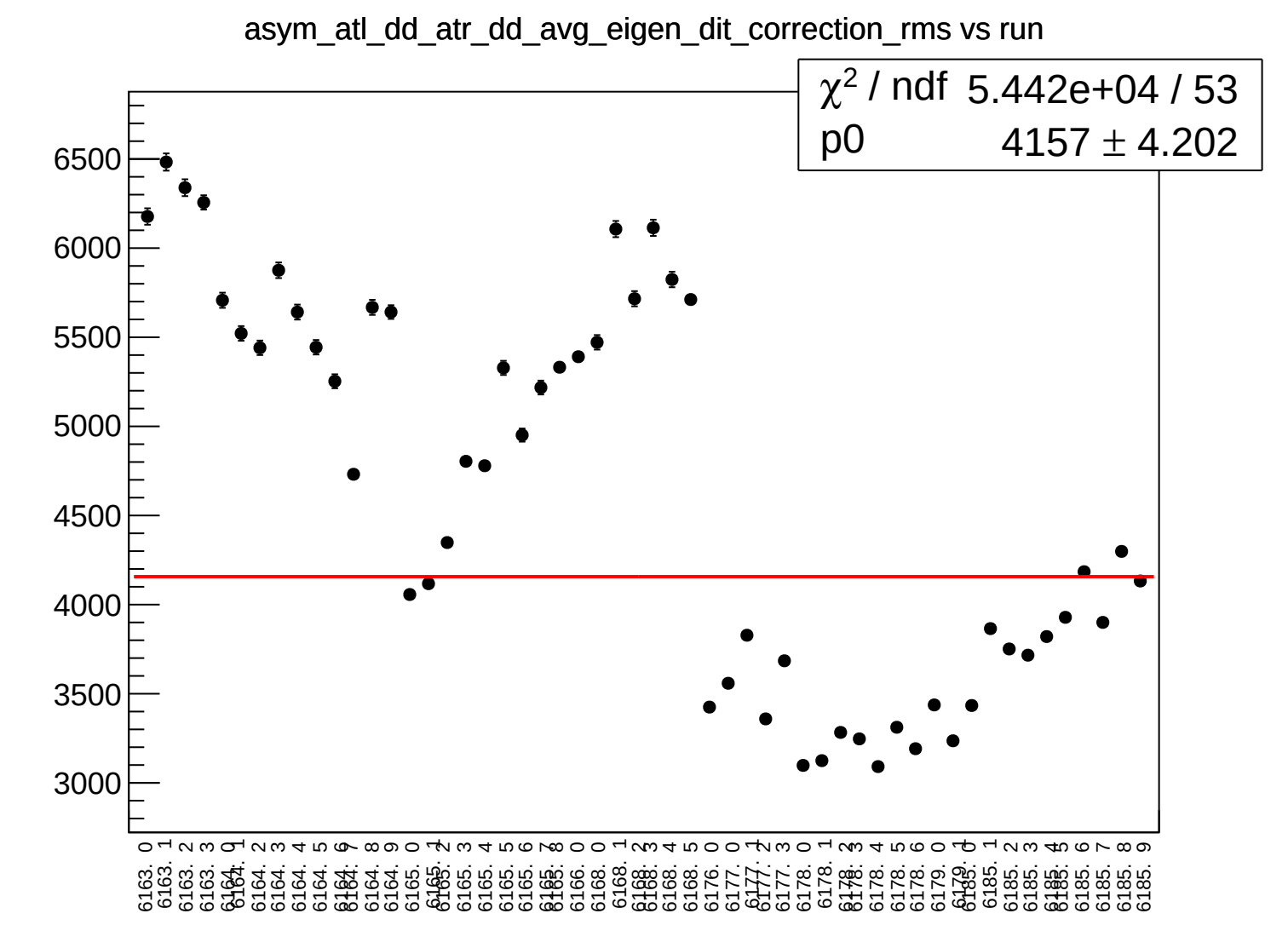

eigen_dit_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 79.97 / 53
p0 155 ± 1752
60000
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −2993
Std Dev 0
4
3
2
1
0
−1
−2


pull1D
Entries 54
Mean 0.001084
Std Dev 1.217
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 1656 / 53
p0 1258 ± 1.239
1400
1350
1300
1250
1200
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


asym_atl_dd_atr_dd_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 54.65 / 53
p0 7979 ± 5942
pull
Entries 54
Mean 11.55
Std Dev 4.794


pull1D
Entries 54
Mean 0.02207
Std Dev 1.006


asym_atl_dd_atr_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 5.442e+04 / 53
p0 4157 ± 4.202
6500
6000
5500
5000
4500
4000
3500
3000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
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6178. 6
6179. 0
6185. 1
6185. 2
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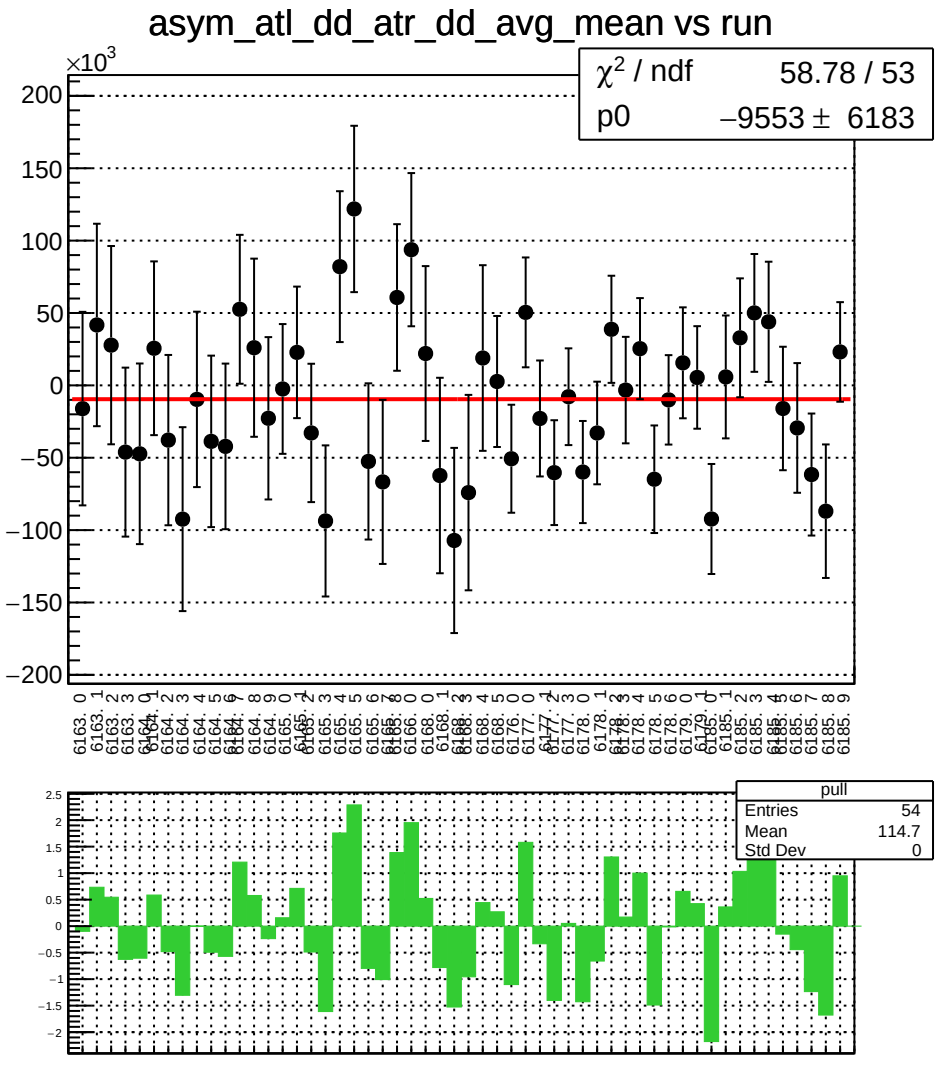
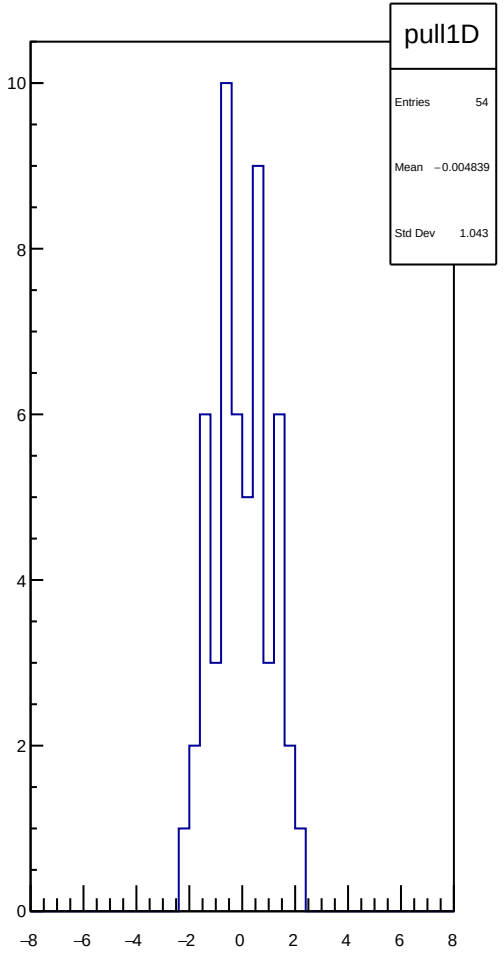
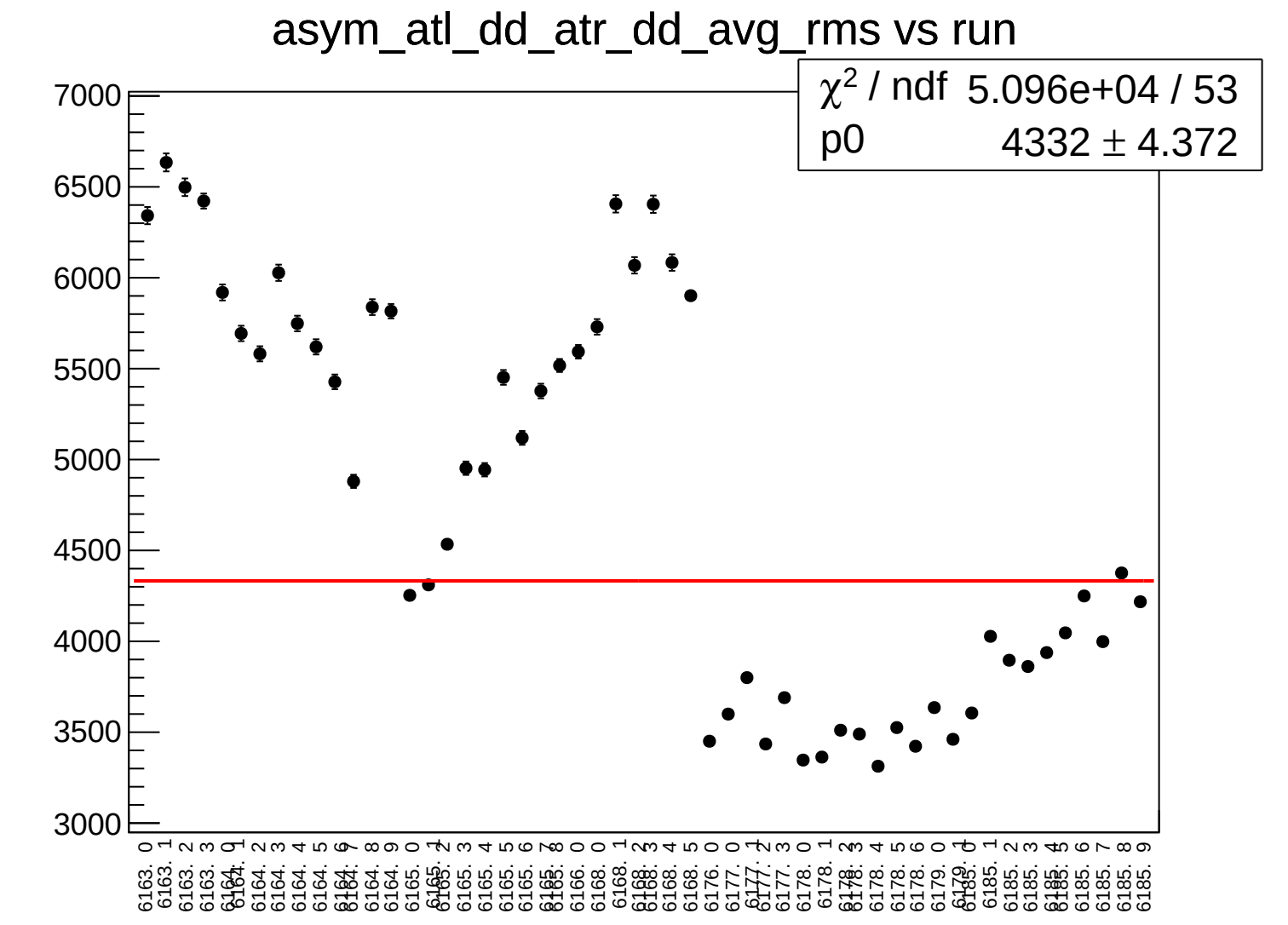
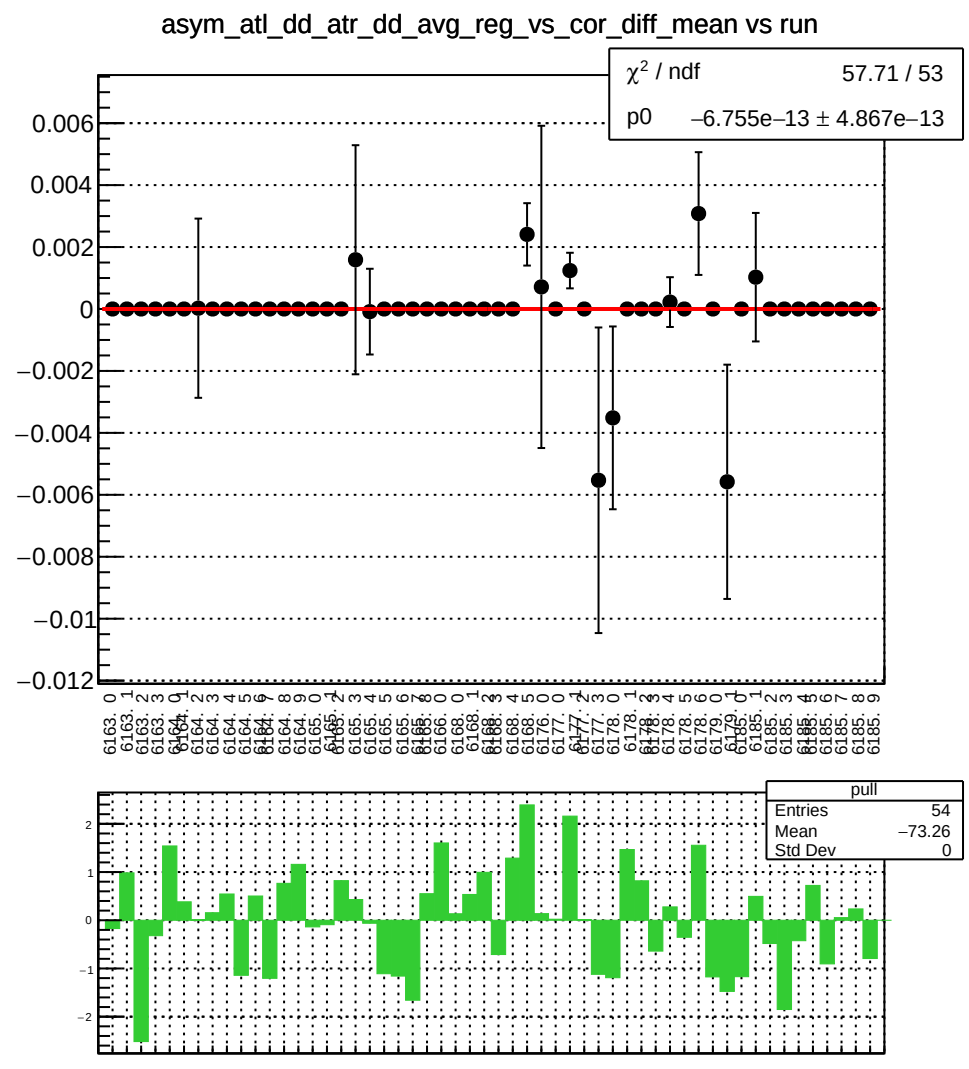
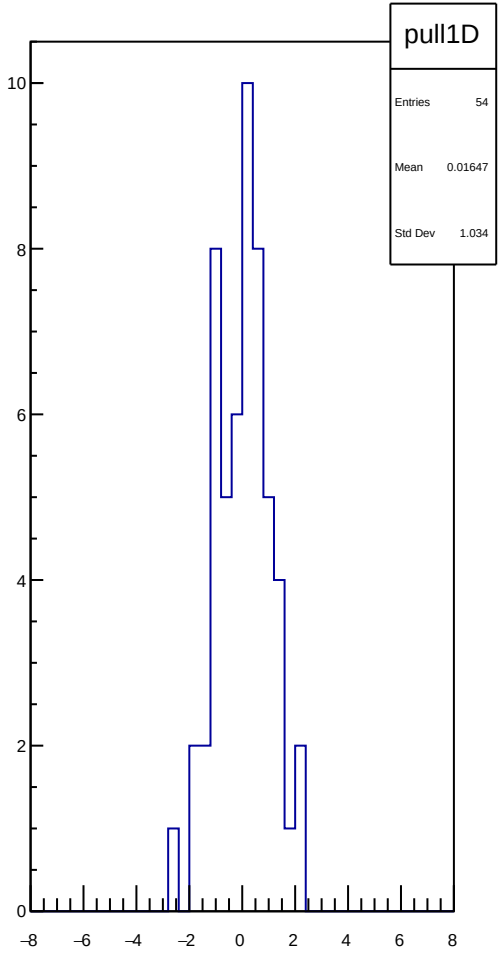
6185. 6
6185. 7
6185. 8
6185. 9

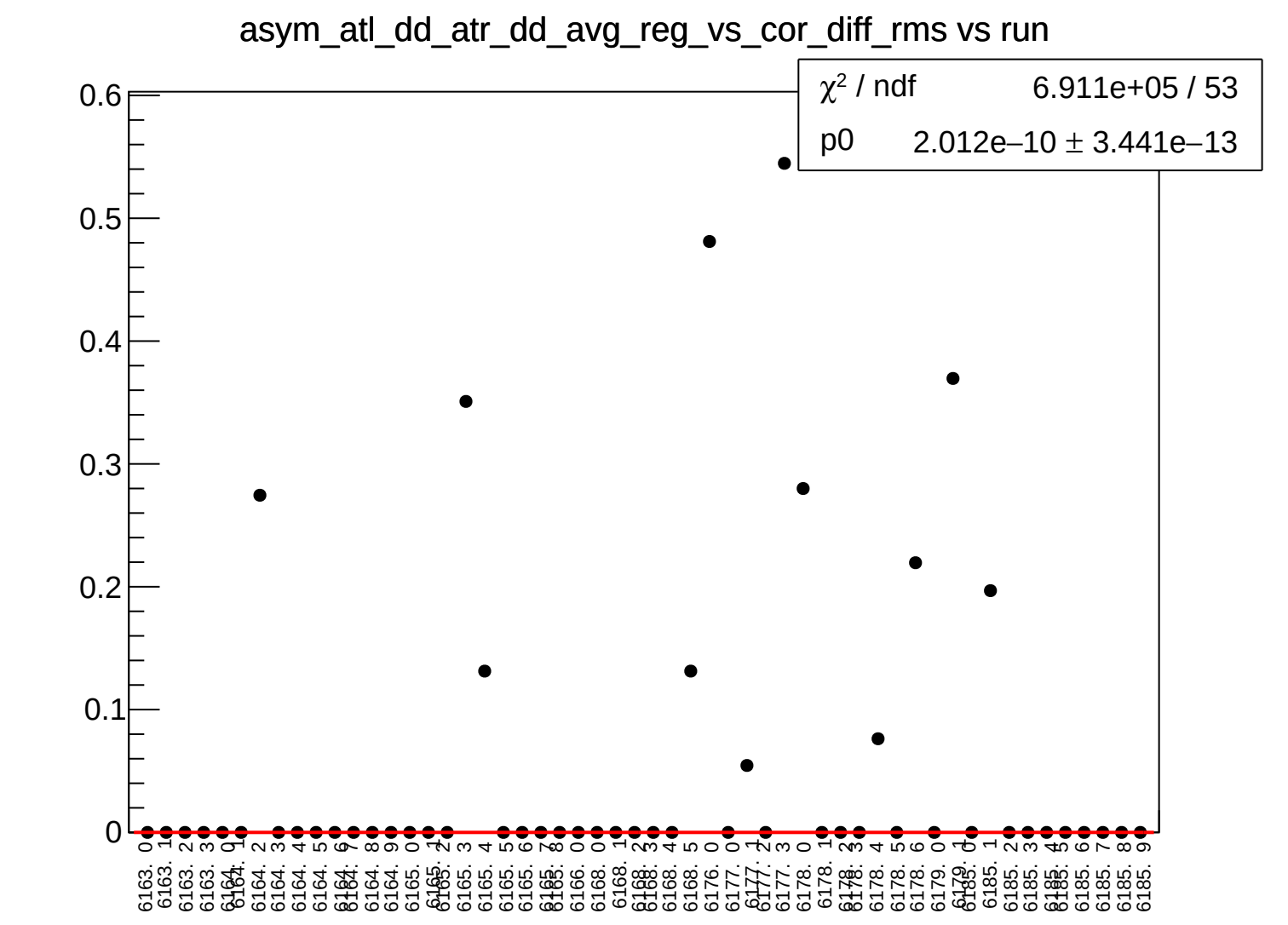

asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 58.78 / 53
p0 −9553 ± 6183
pull
Entries 54
Mean 114.7
Std Dev 0

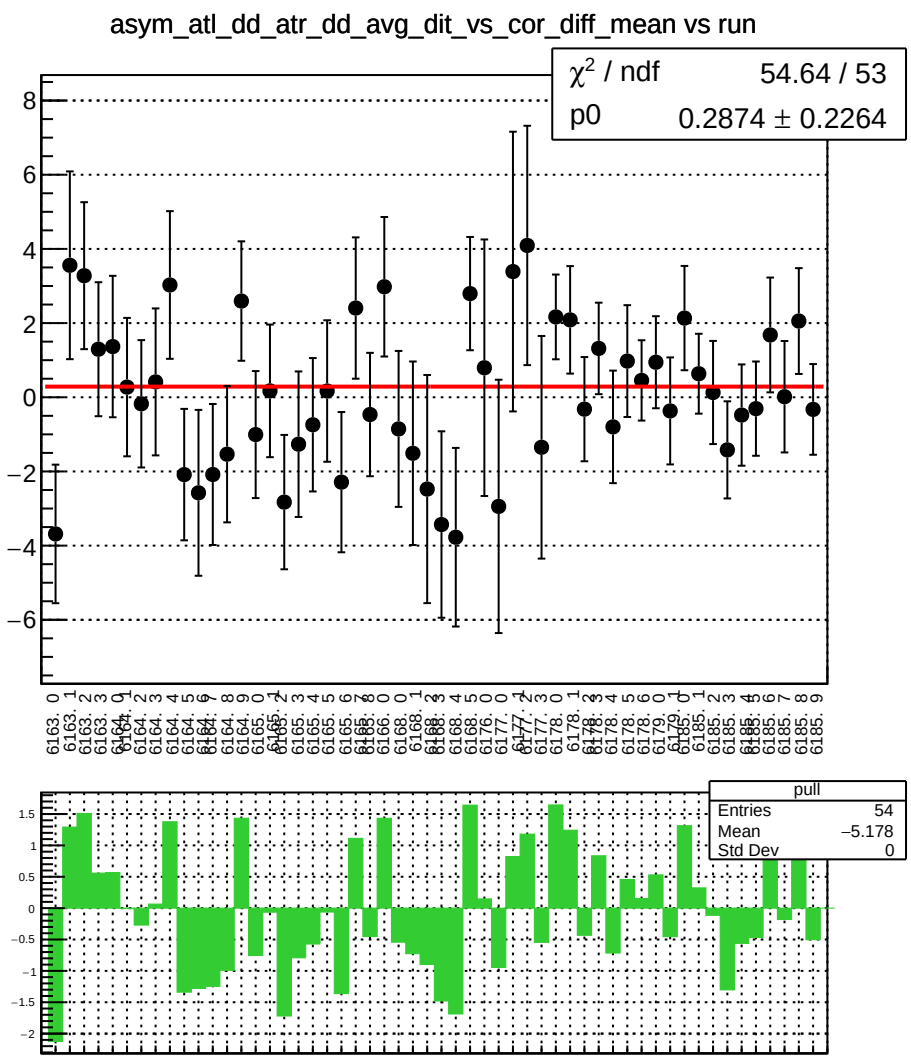

pull1D
Entries 54
Mean −0.004839
Std Dev 1.043

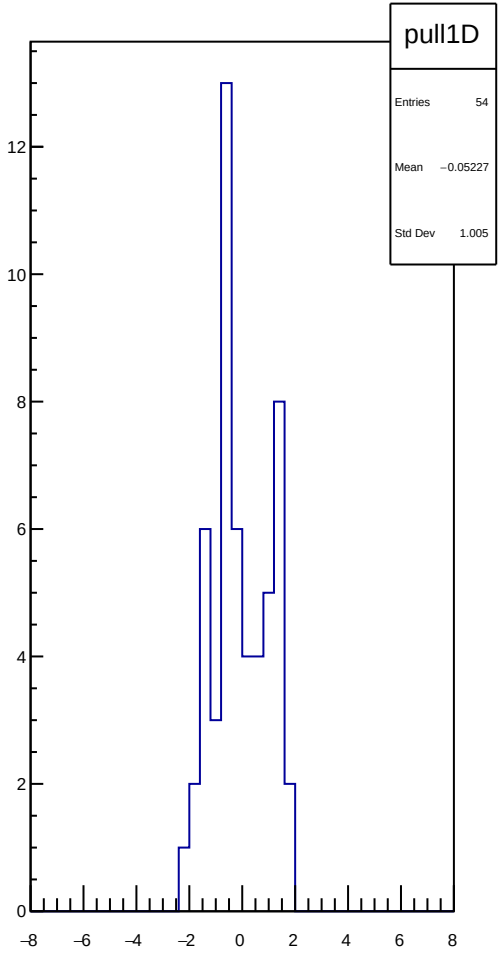

asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 5.096e+04 / 53
p0 4332 ± 4.372
7000
6500
6000
5500
5000
4500
4000
3500
3000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

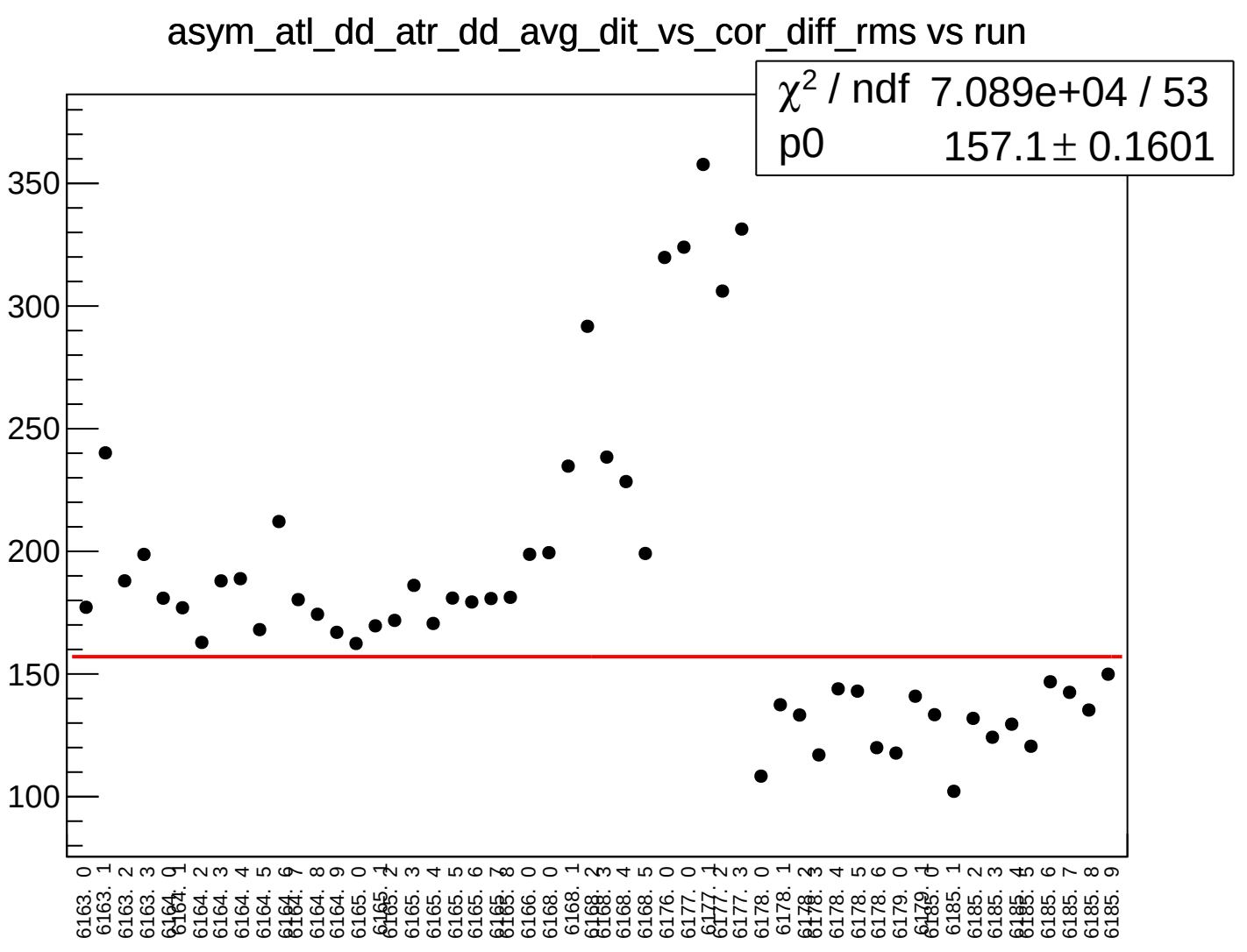

asym_atl_dd_atr_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 57.71 / 53
p0 −6.755e−13 ± 4.867e−13
pull
Entries 54
Mean −73.26
Std Dev 0

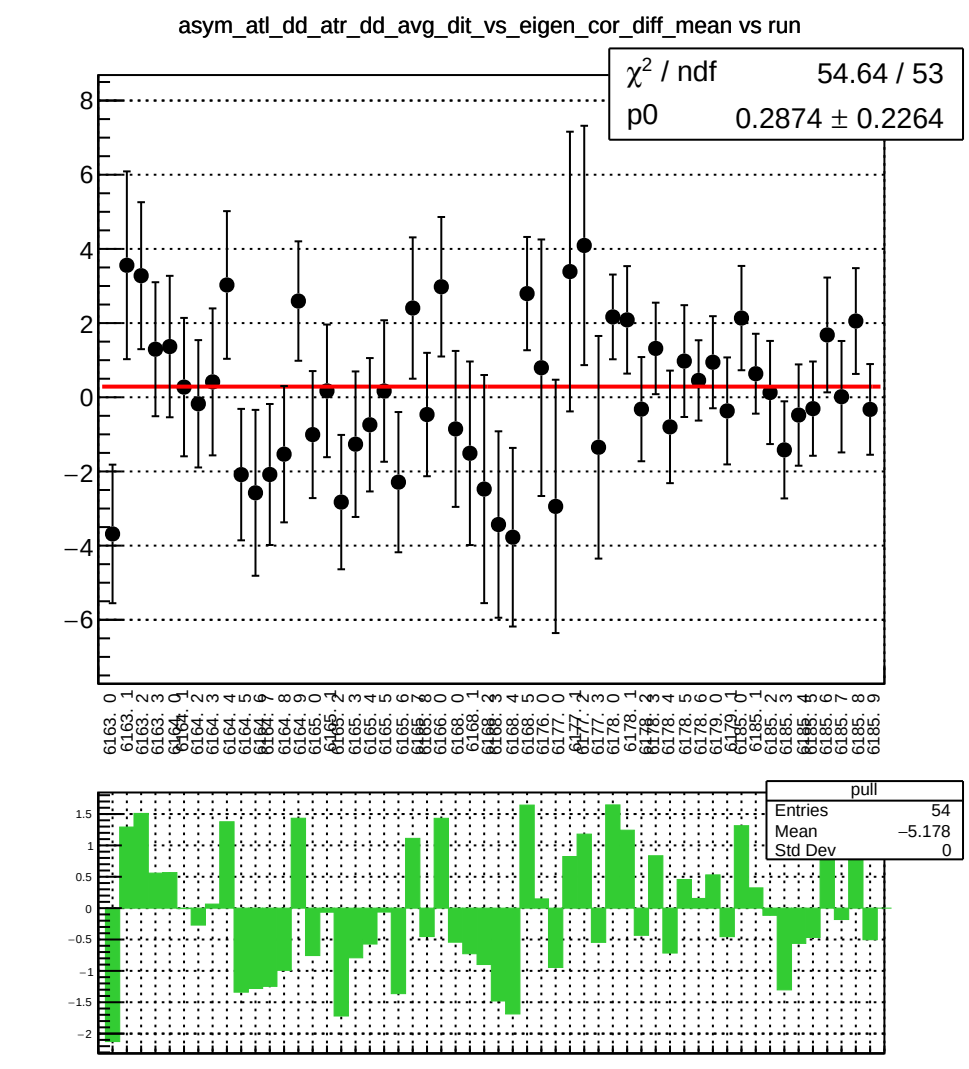

pull1D
Entries 54
Mean 0.01647
Std Dev 1.034

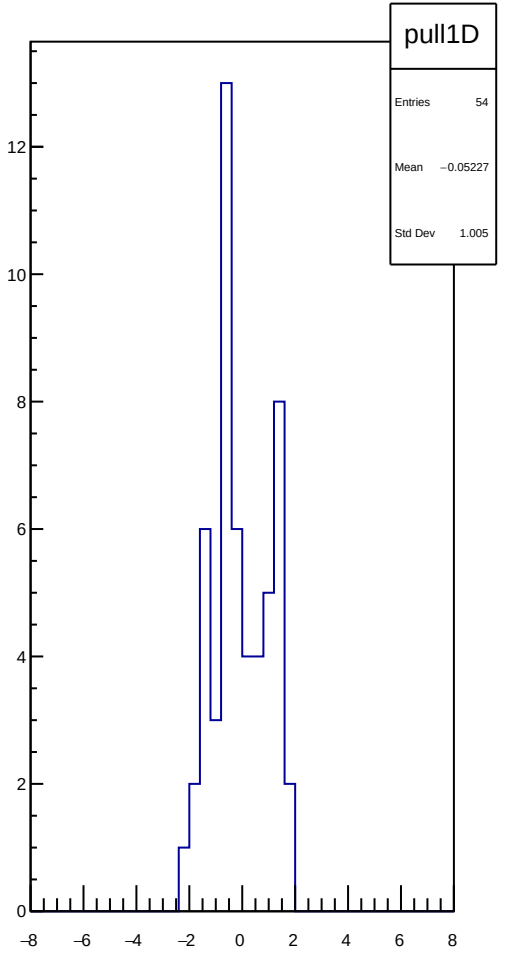

asym_atl_dd_atr_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.911e+05 / 53
p0 2.012e−10 ± 3.441e−13
0.6
0.5
0.4
0.3
0.2
0.1
0
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 2
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

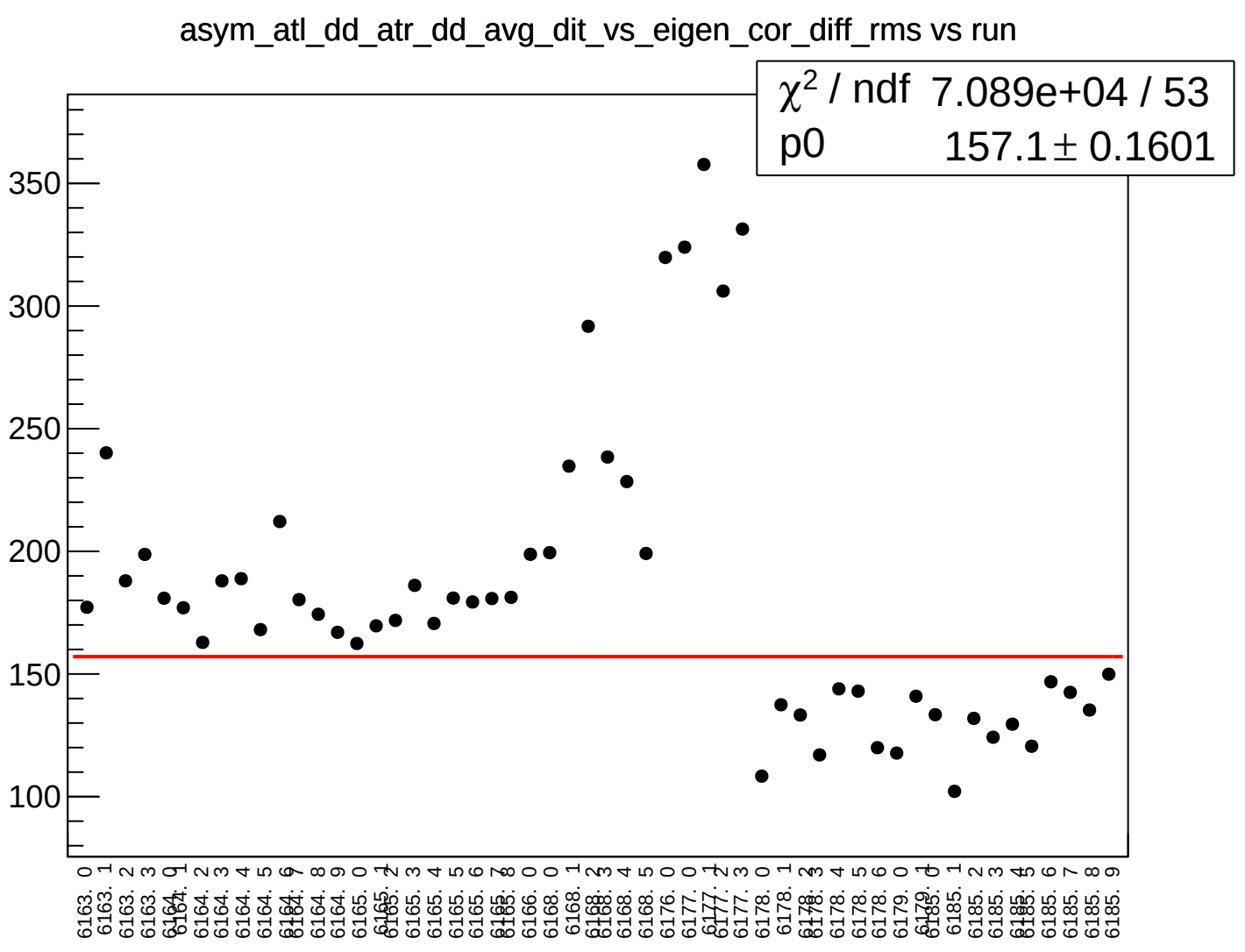

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 54.64 / 53
p0 0.2874 ± 0.2264
pull
Entries 54
Mean −5.178
Std Dev 0

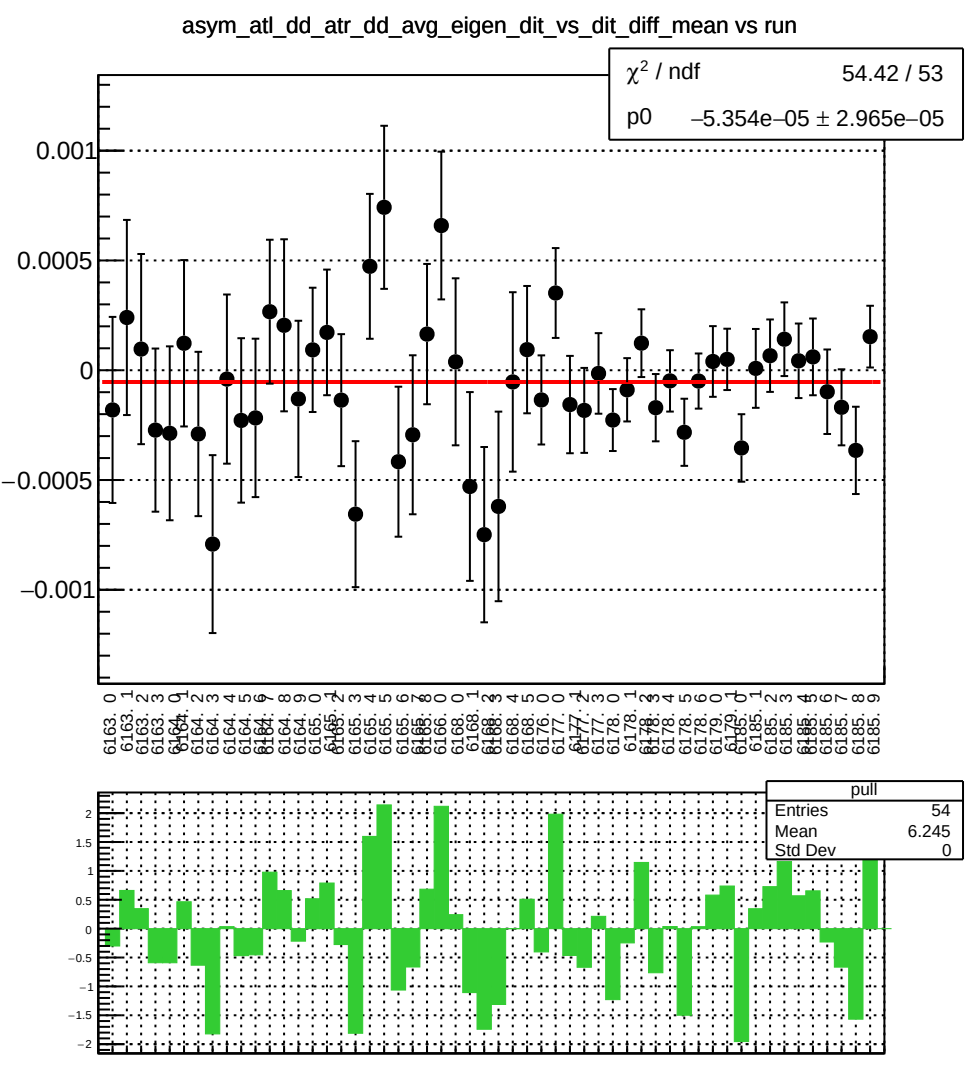

pull1D
Entries 54
Mean −0.05227
Std Dev 1.005

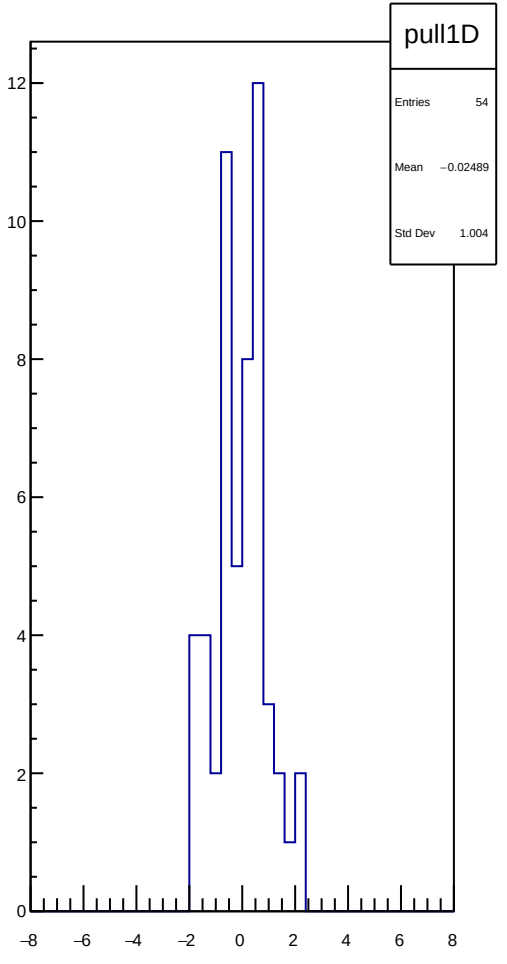

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 7.089e+04 / 53
p0 157.1 ± 0.1601
350
300
250
200
150
100
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

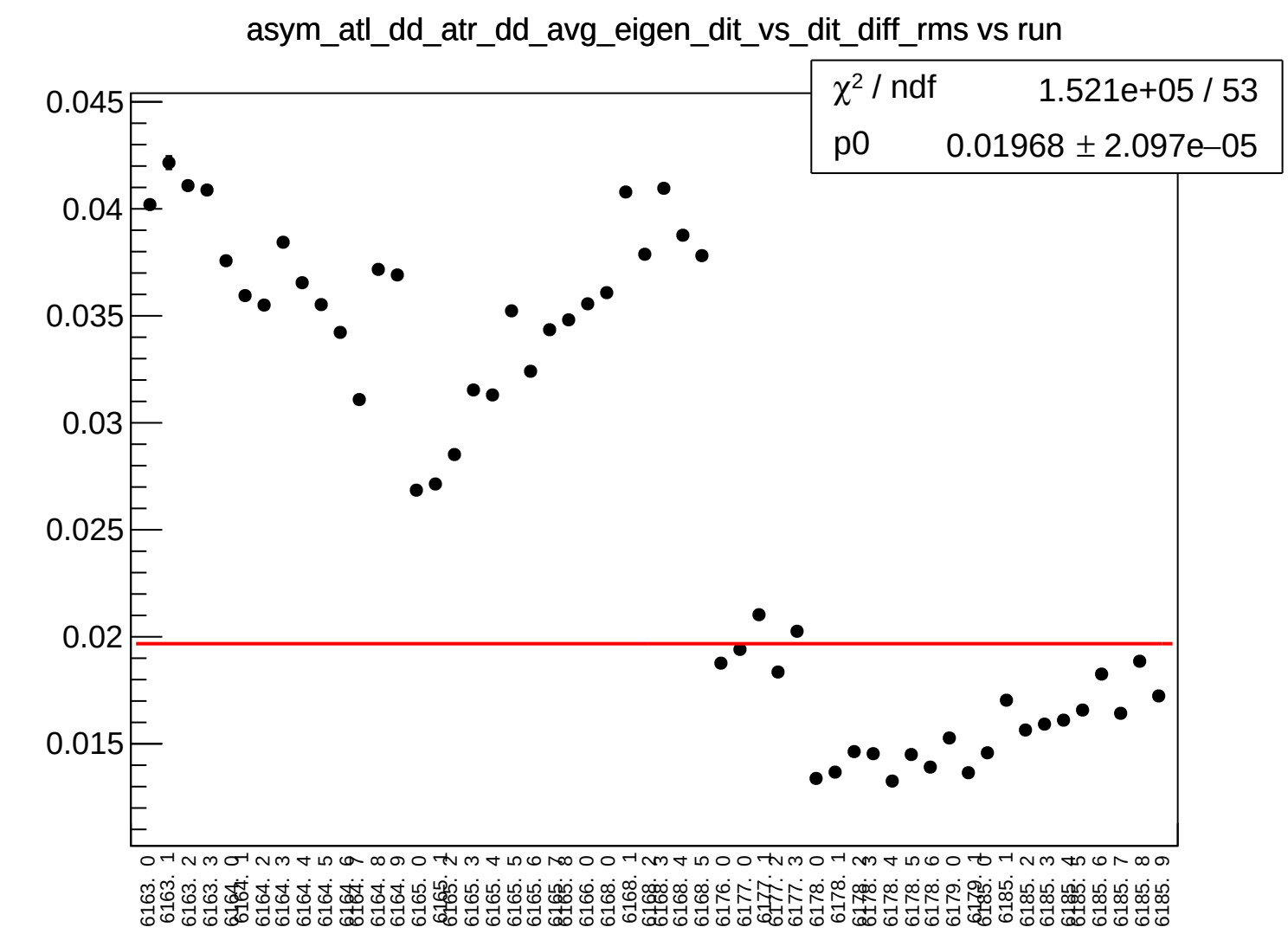

asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 54.64 / 53
p0 0.2874 ± 0.2264
pull
Entries 54
Mean −5.178
Std Dev 0

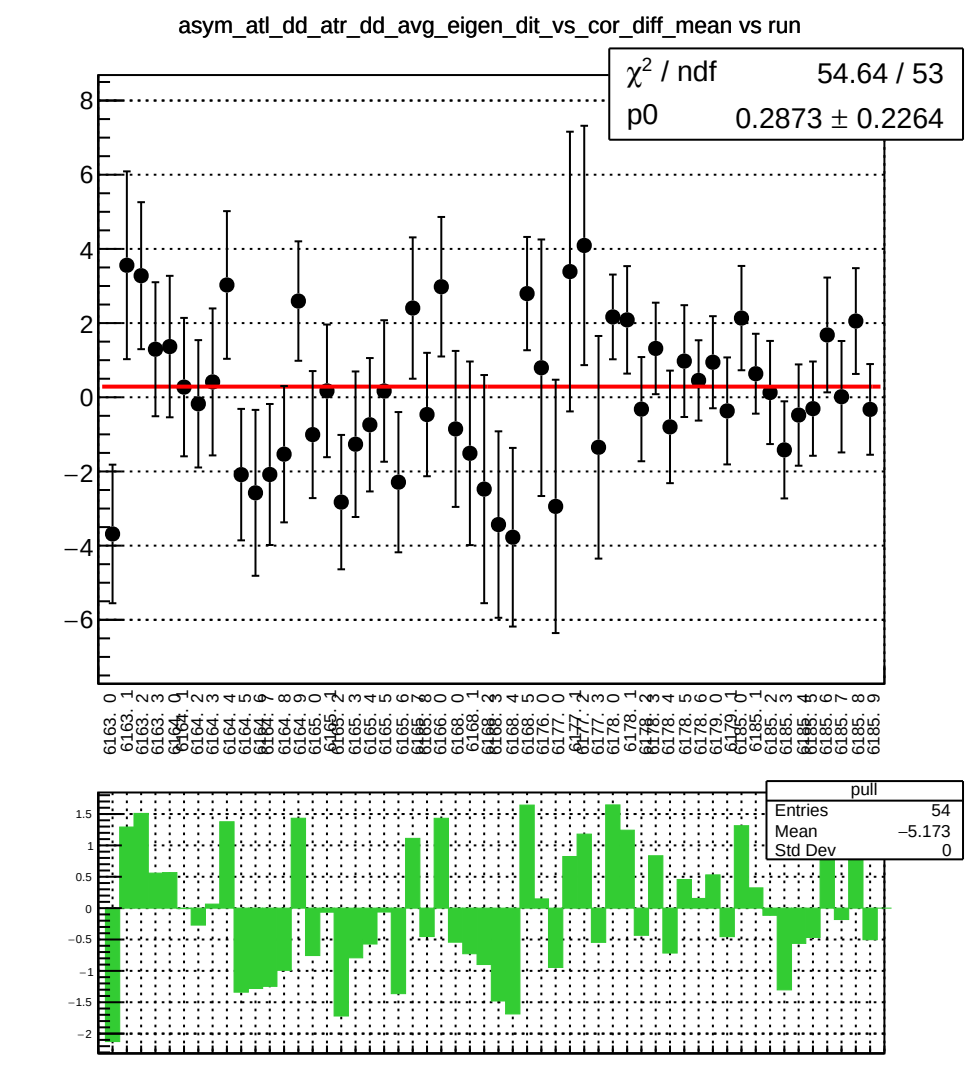

pull1D
Entries 54
Mean −0.05227
Std Dev 1.005

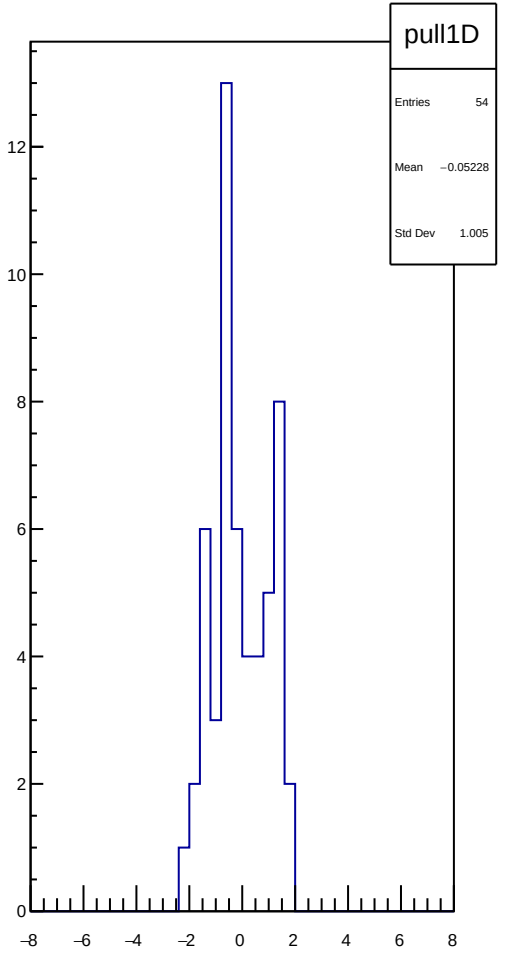

asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.089e+04 / 53
p0 157.1 ± 0.1601
350
300
250
200
150
100
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

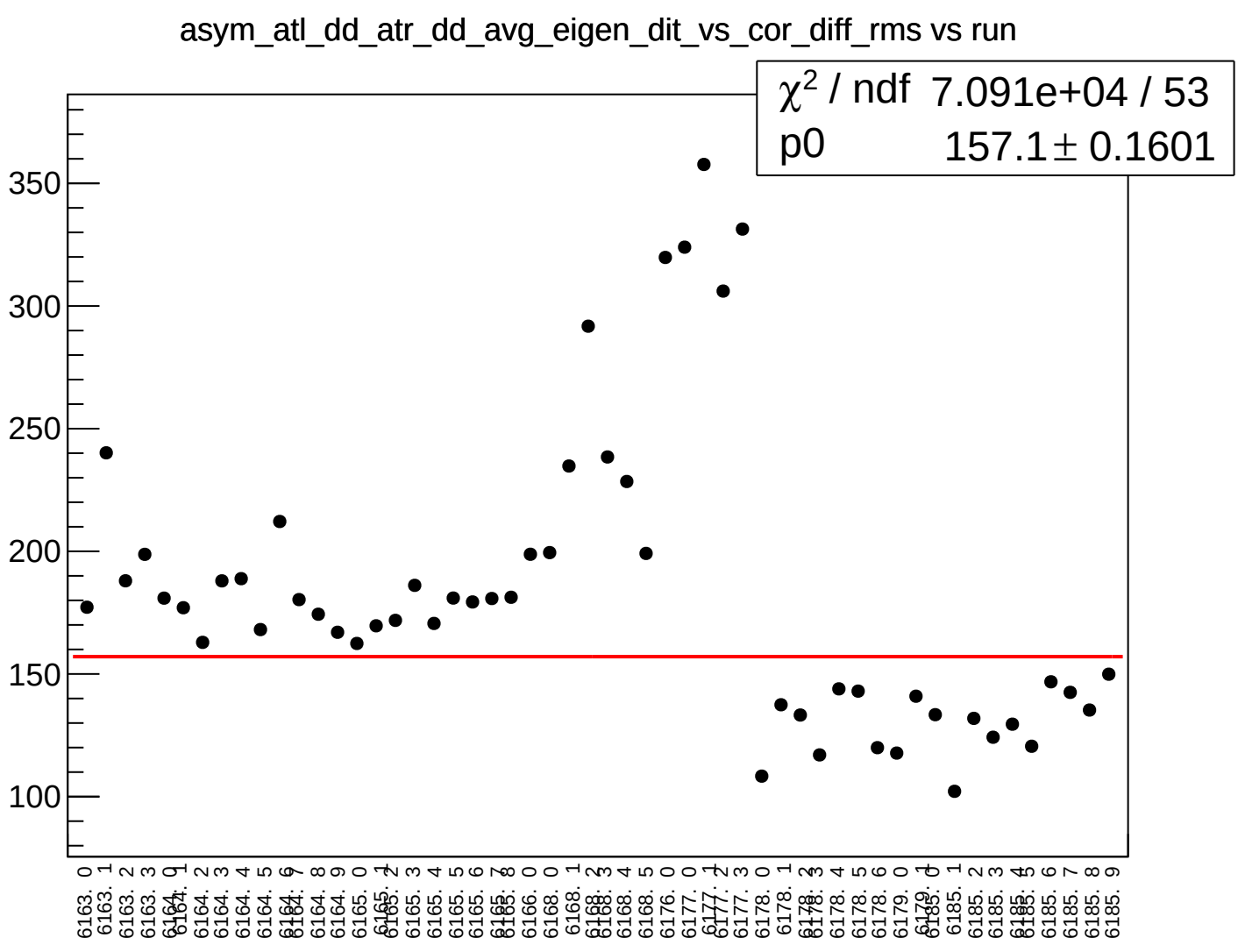

asym_atl_dd_atr_dd_avg_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 54.42 / 53
p0 −5.354e−05 ± 2.965e−05
0.001
0.0005
0
−0.0005
−0.001
pull
Entries 54
Mean 6.245
Std Dev 0

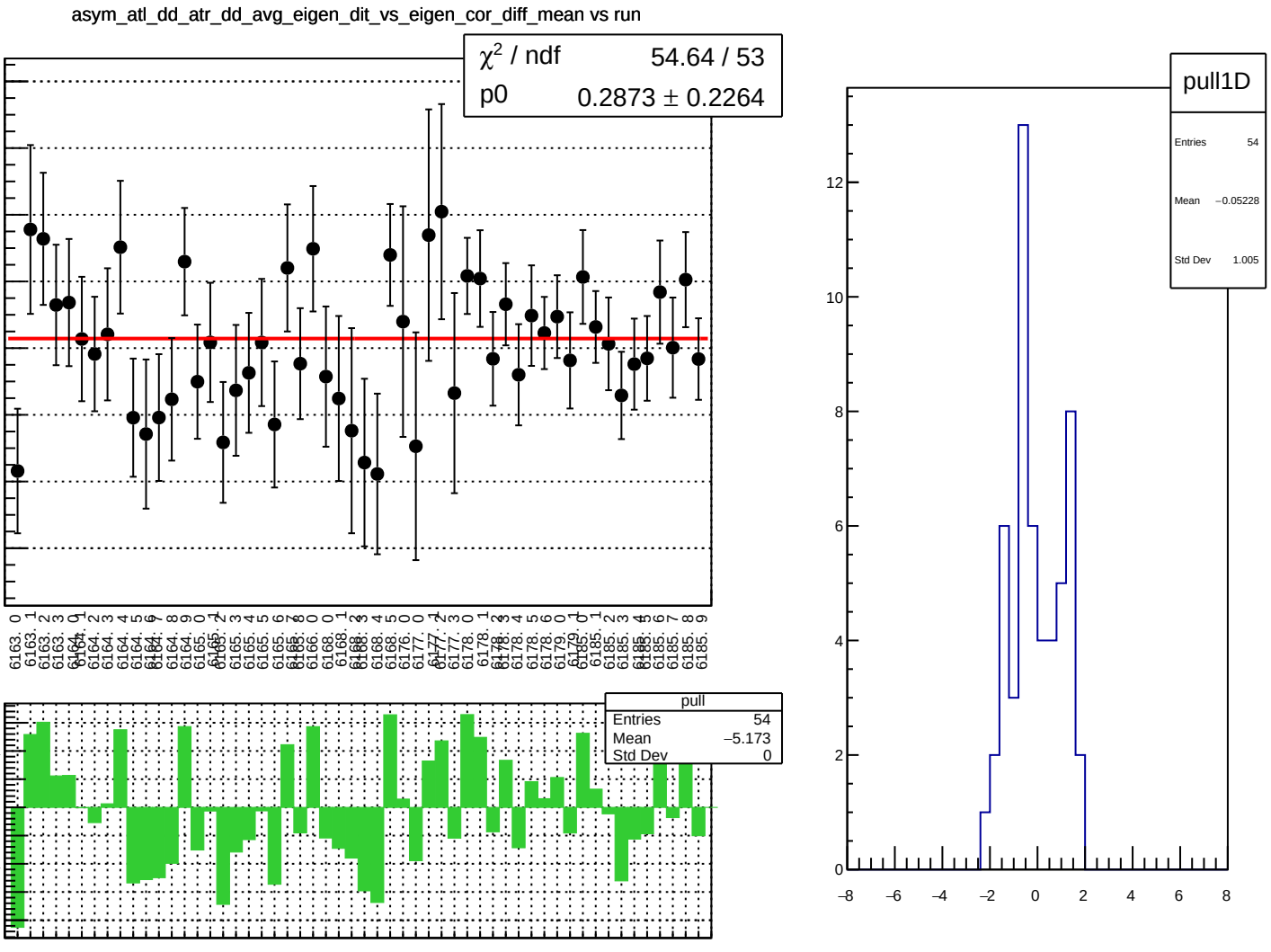

pull1D
Entries 54
Mean −0.02489
Std Dev 1.004

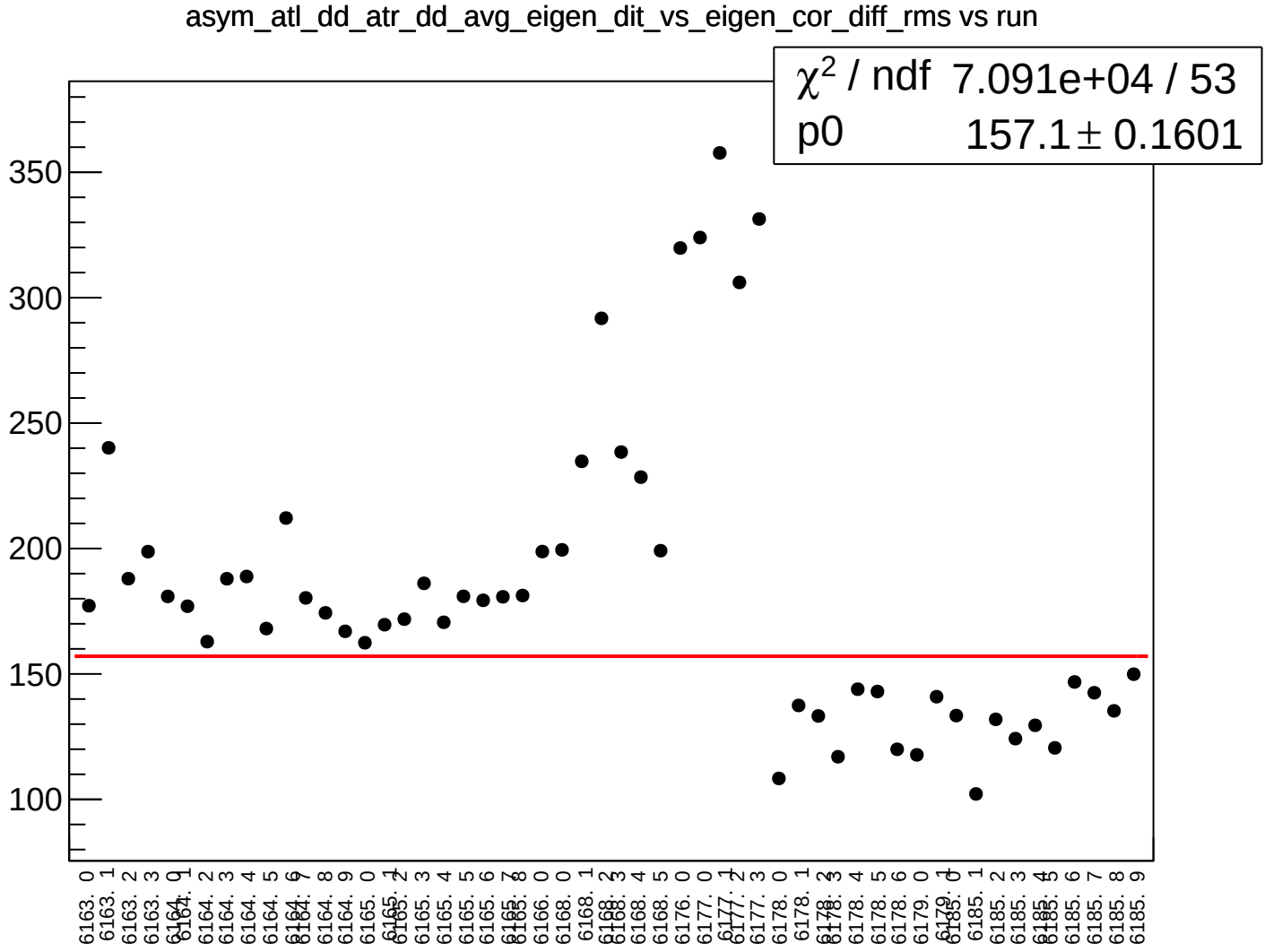

asym_atl_dd_atr_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.521e+05 / 53
p0 0.01968 ± 2.097e–05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

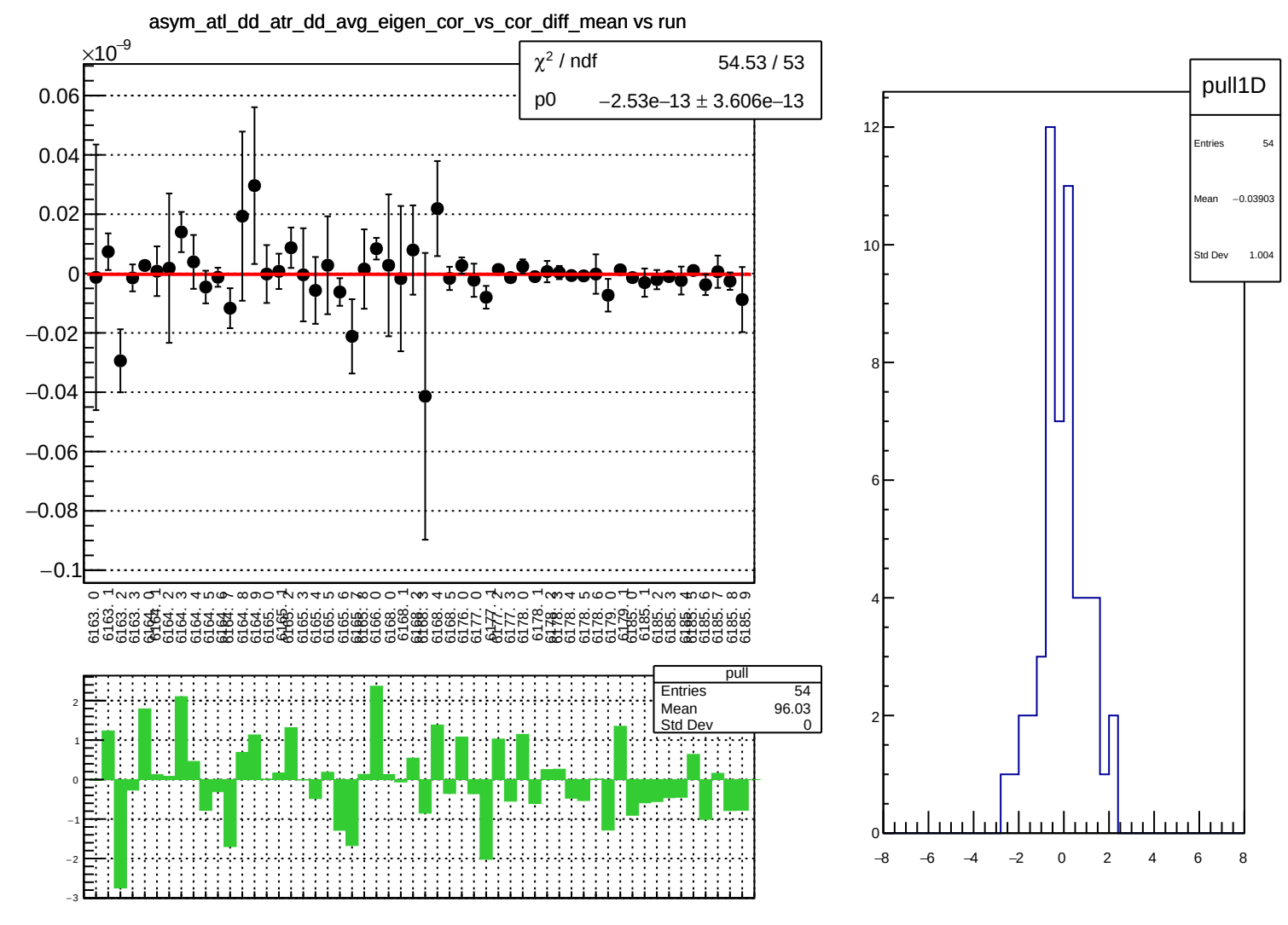

asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 54.64 / 53
p0 0.2873 ± 0.2264
pull
Entries 54
Mean −5.173
Std Dev 0

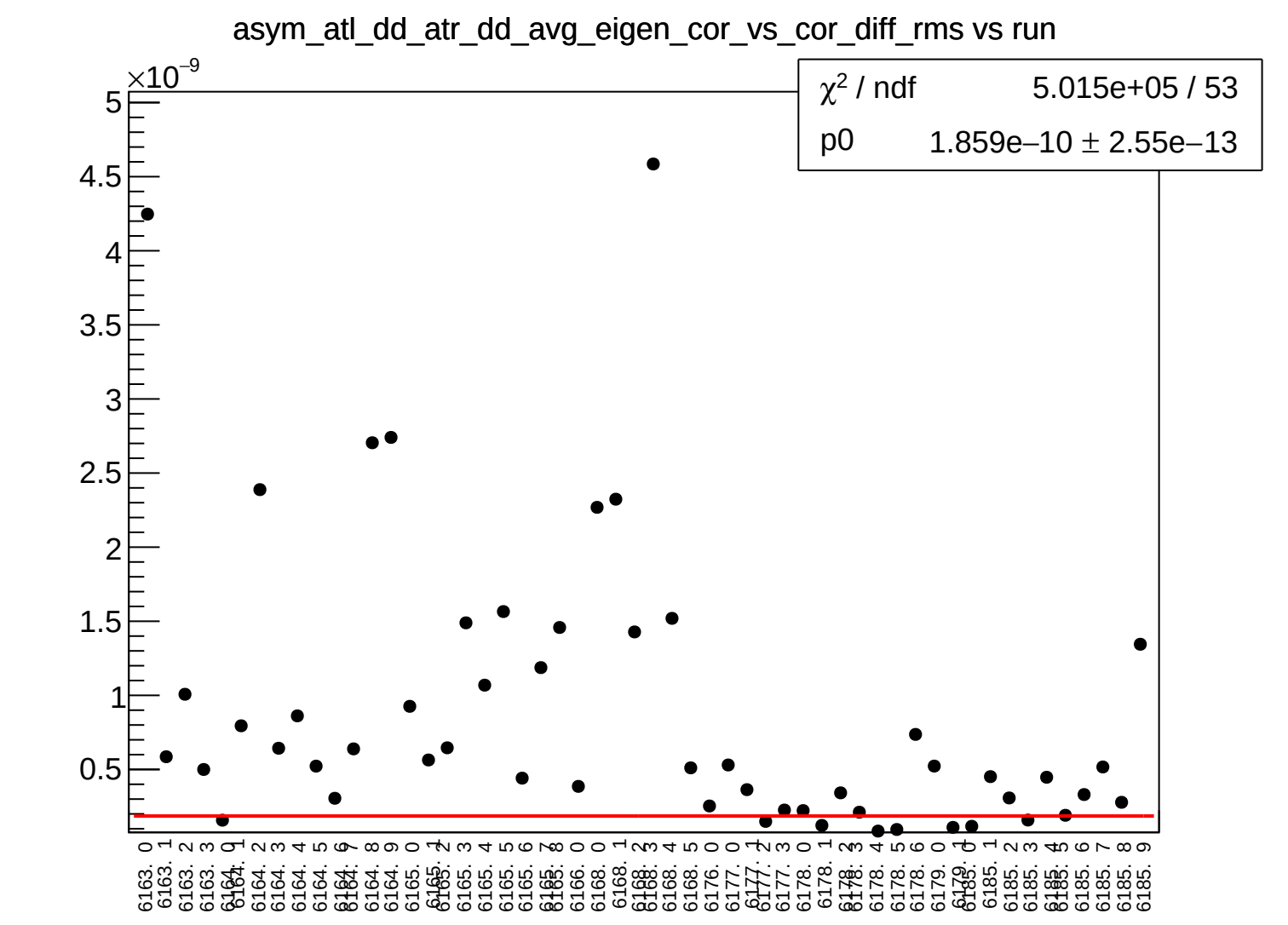

pull1D
Entries 54
Mean −0.05228
Std Dev 1.005

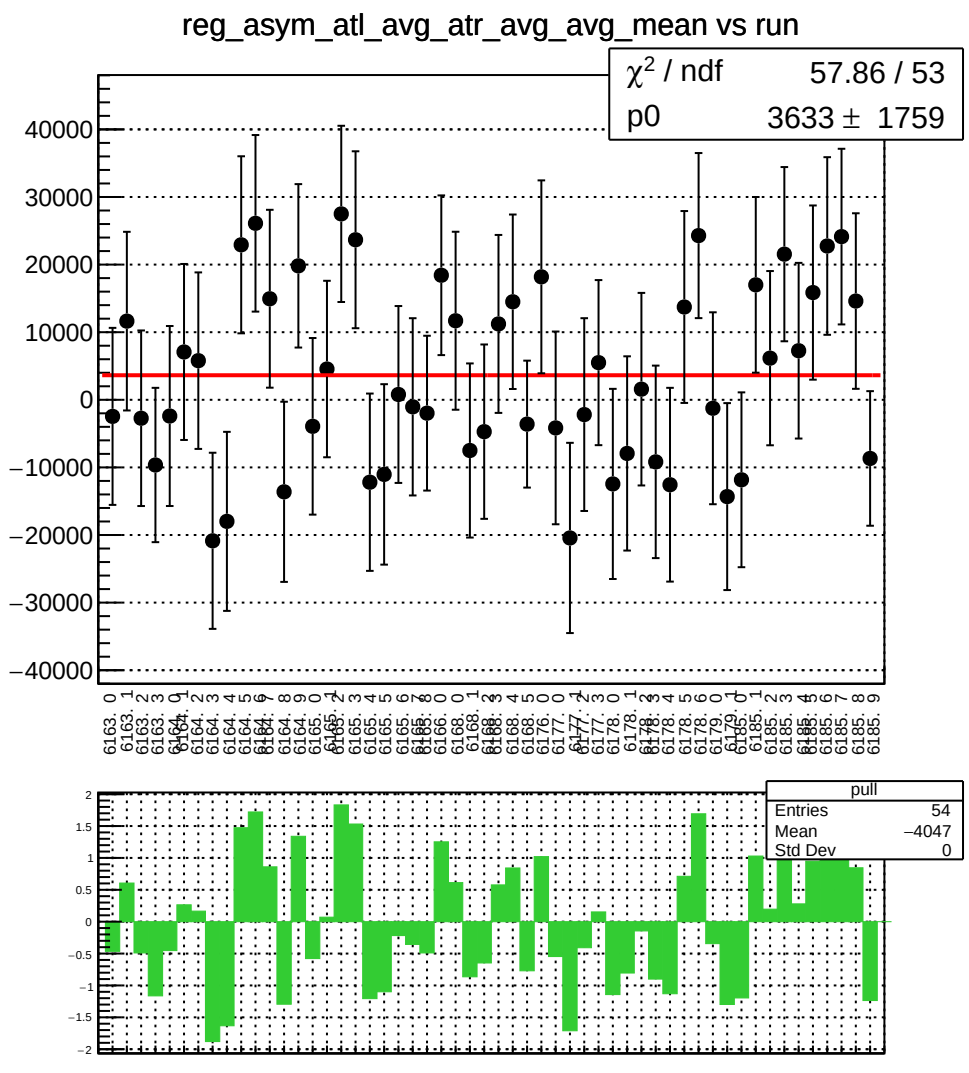

asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 7.091e+04 / 53
p0 157.1 ± 0.1601
350
300
250
200
150
100
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

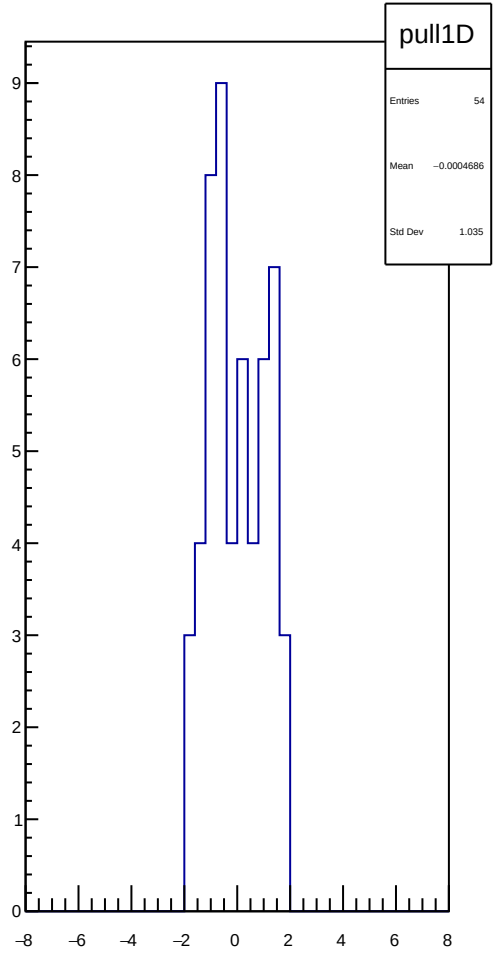

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 54.64 / 53
p0 0.2873 ± 0.2264
pull
Entries 54
Mean −5.173
Std Dev 0
pull1D
Entries 54
Mean −0.05228
Std Dev 1.005

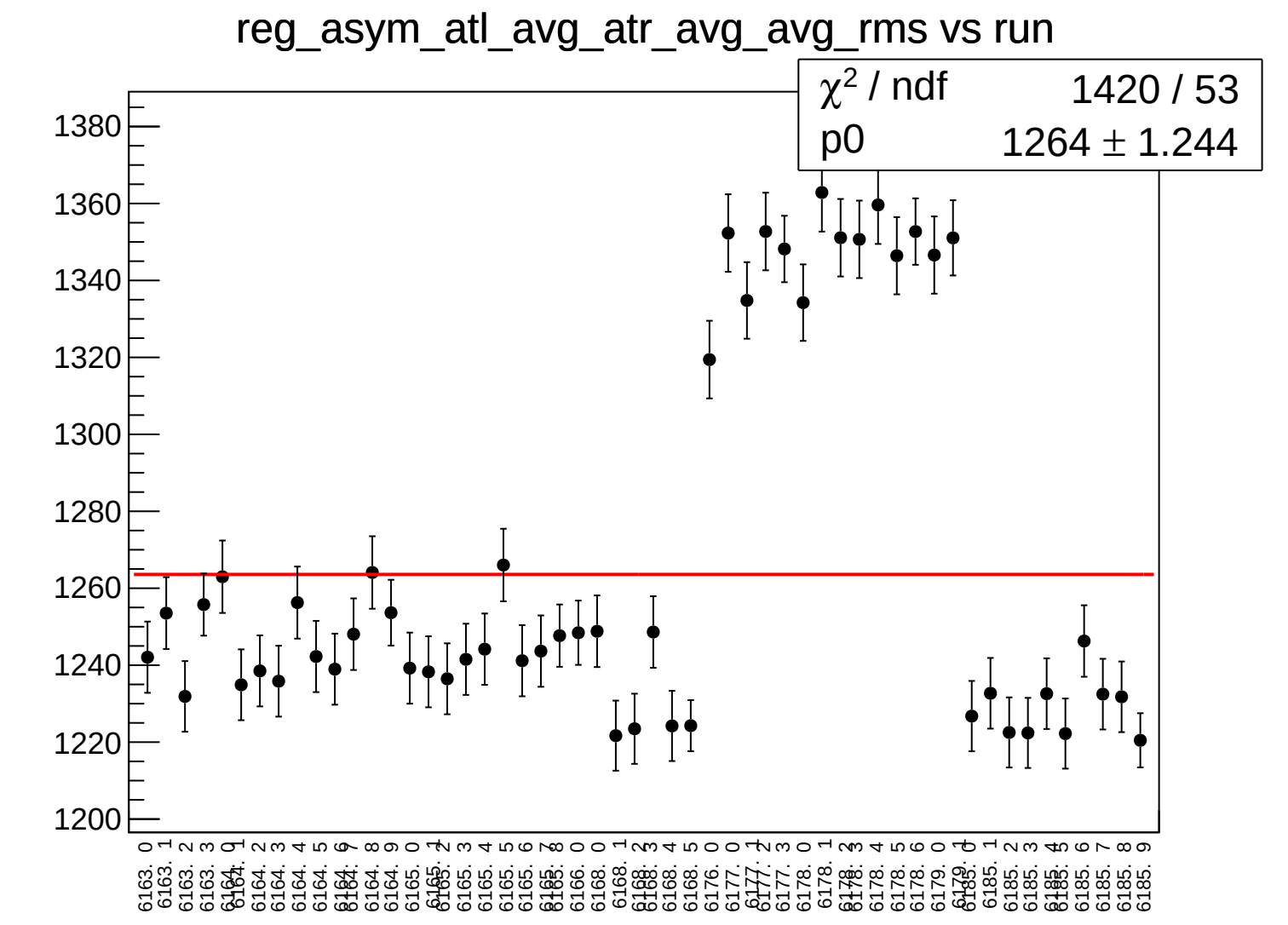

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.091e+04 / 53
p0 157.1 ± 0.1601
350
300
250
200
150
100
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

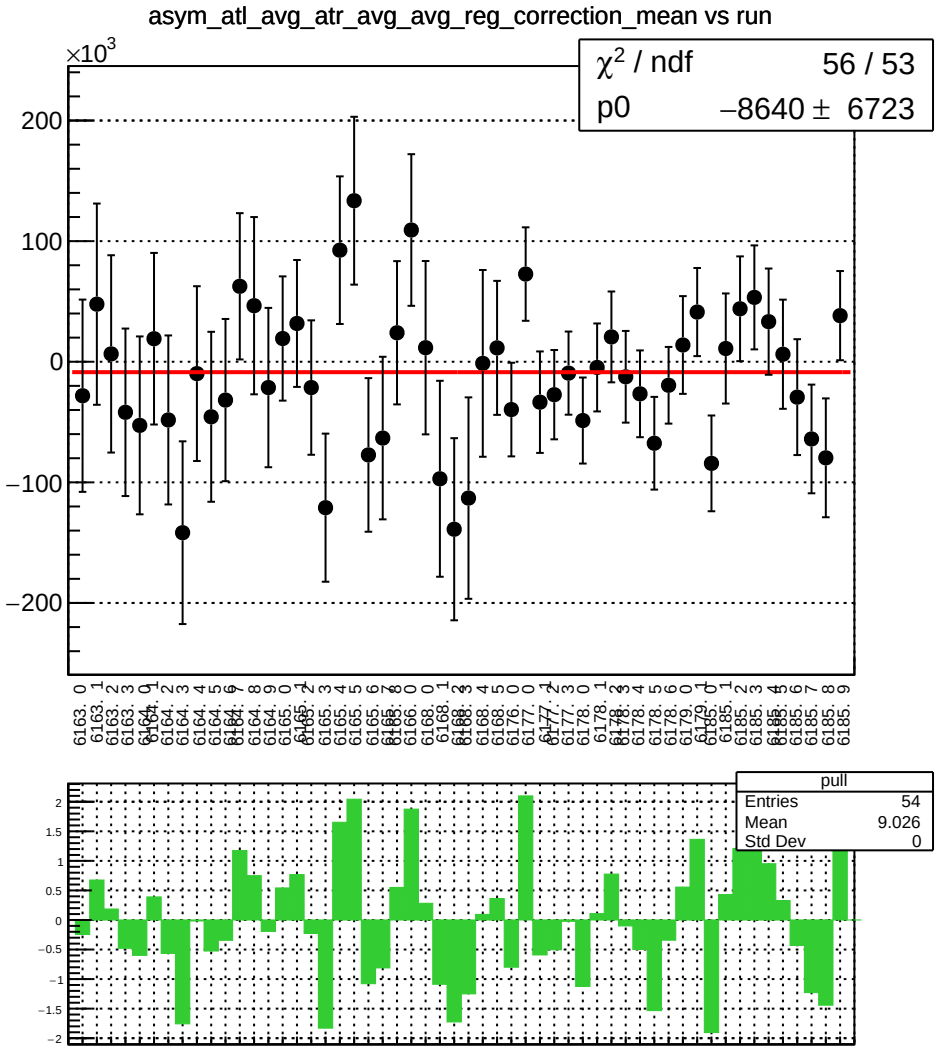

asym_atl_dd_atr_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻⁹
χ² / ndf 54.53 / 53
p0 −2.53e−13 ± 3.606e−13
pull
Entries 54
Mean 96.03
Std Dev 0
pull1D
Entries 54
Mean −0.03903
Std Dev 1.004

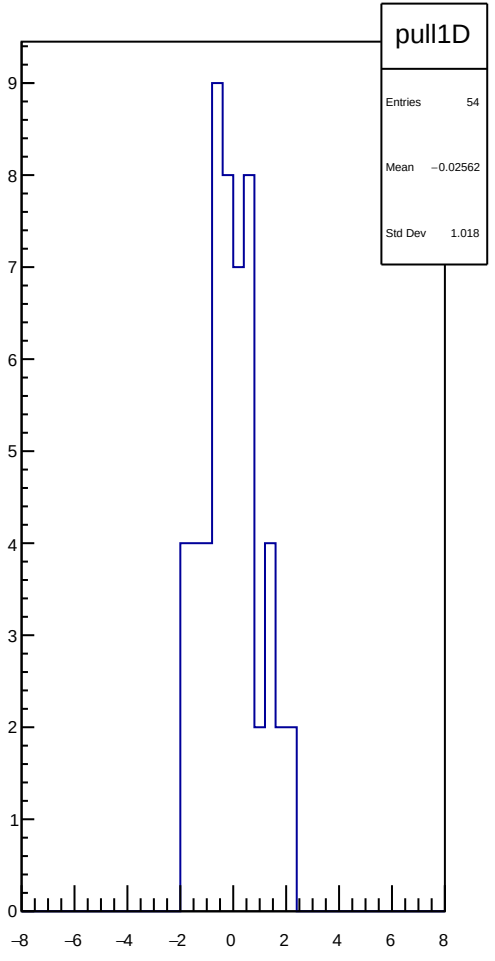

asym_atl_dd_atr_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.015e+05 / 53
p0 1.859e−10 ± 2.55e−13
5
4.5
4
3.5
3
2.5
2
1.5
1
0.5
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

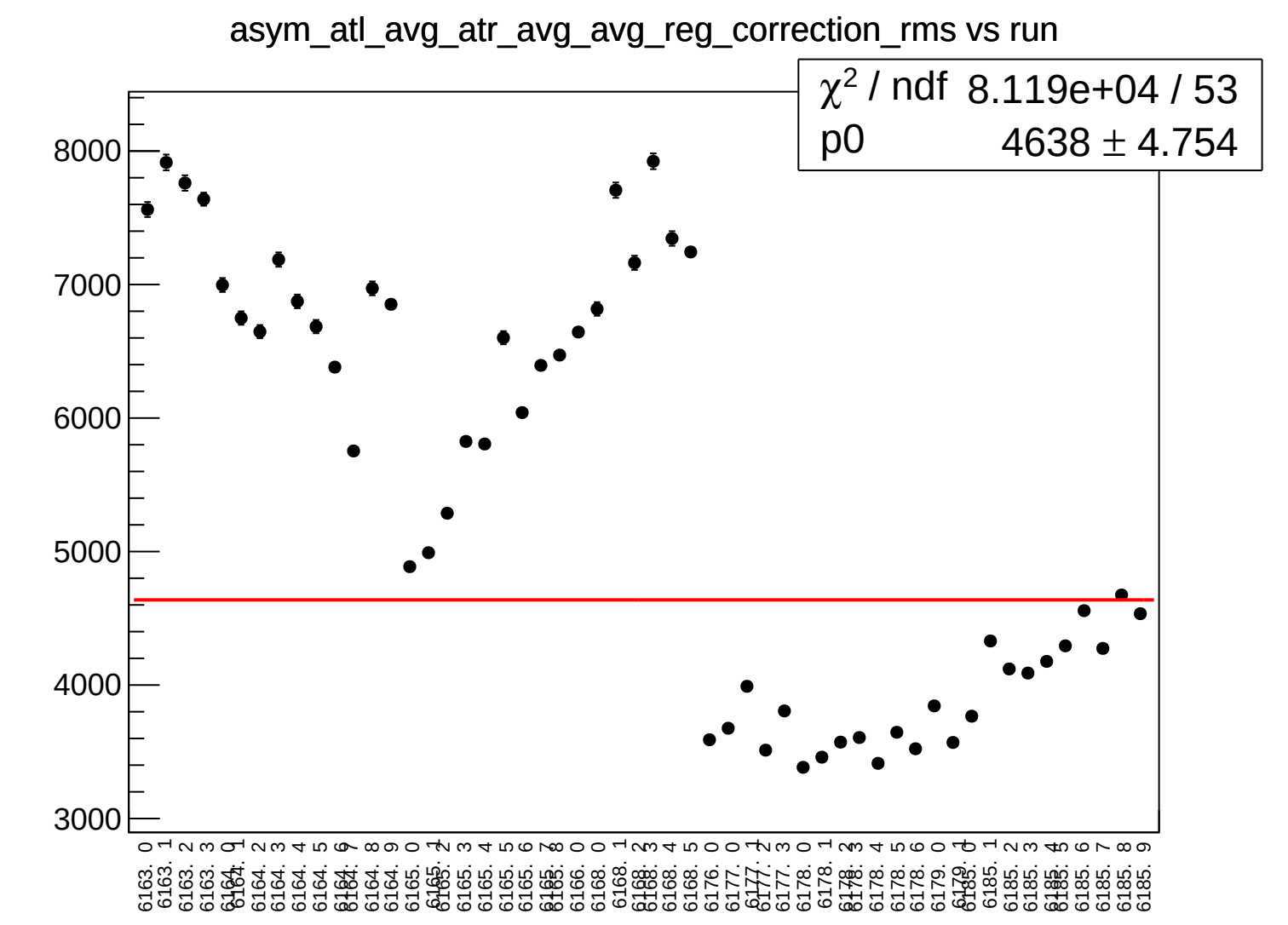

reg_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 57.86 / 53
p0 3633 ± 1759
pull
Entries 54
Mean −4047
Std Dev 0

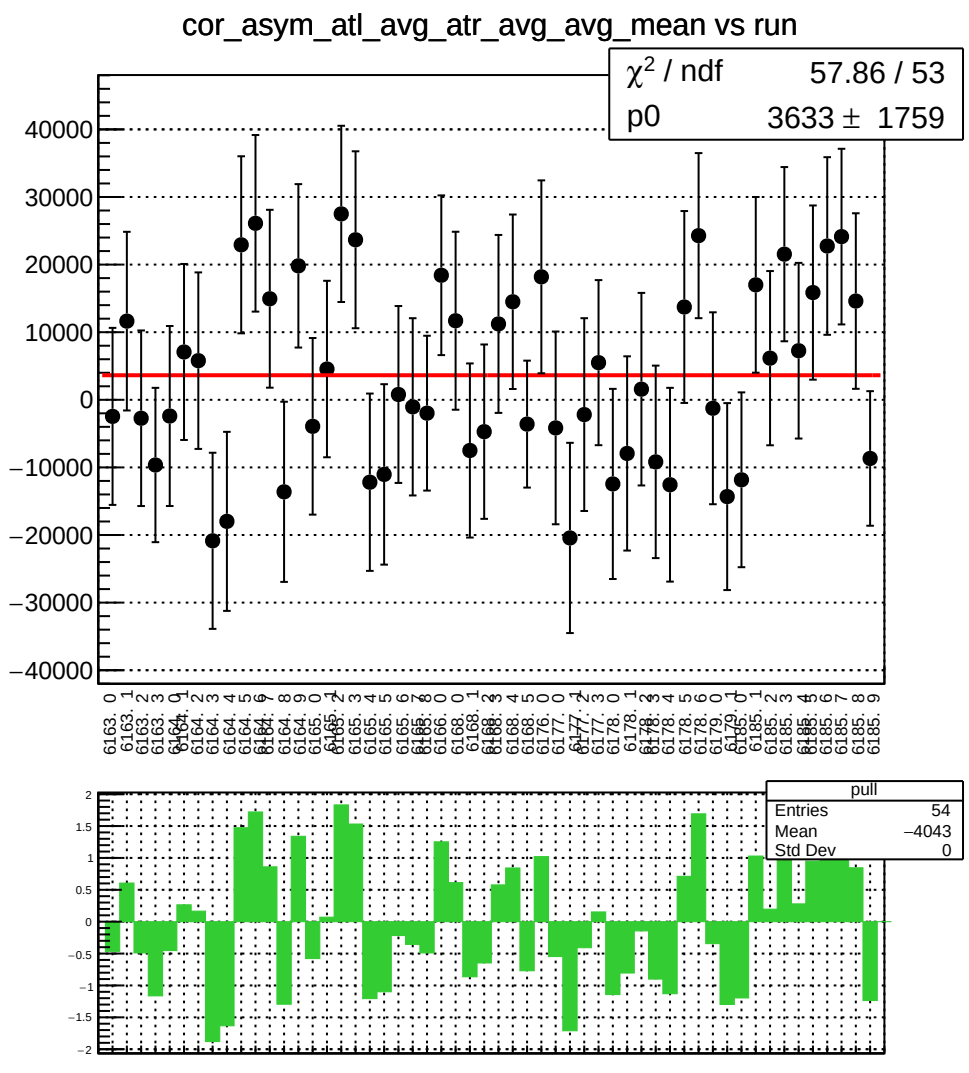

pull1D
Entries 54
Mean −0.0004686
Std Dev 1.035

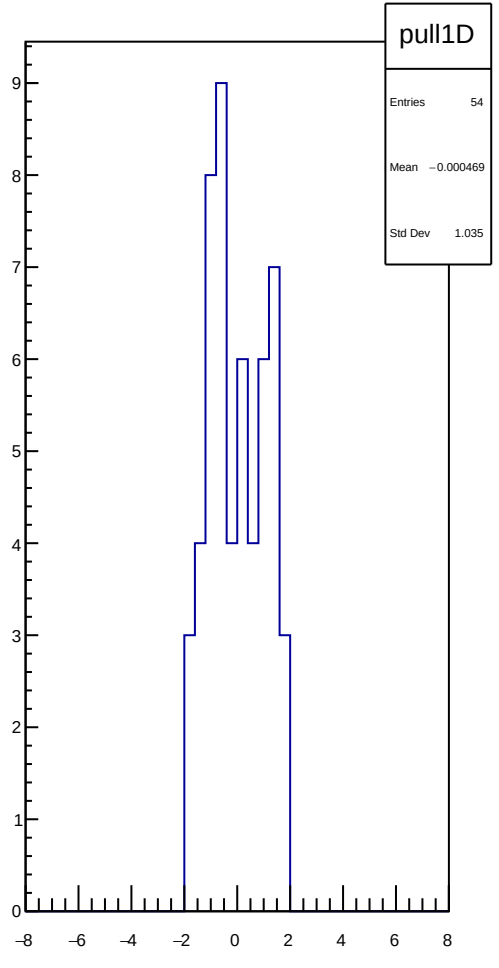

reg_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 1420 / 53
p0 1264 ± 1.244
1380
1360
1340
1320
1300
1280
1260
1240
1220
1200
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

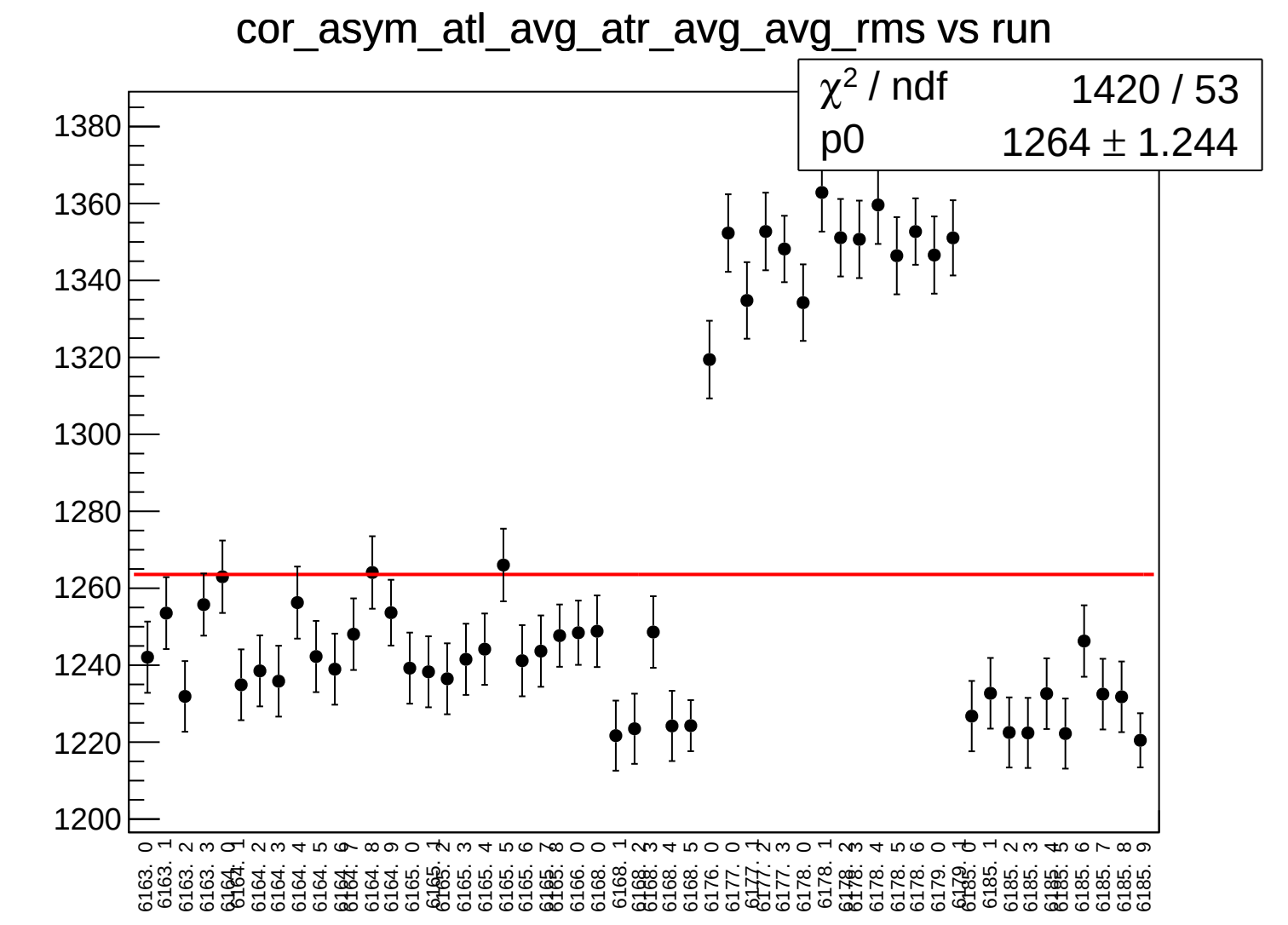

asym_atl_avg_atr_avg_avg_reg_correction_mean vs run
×10^3
χ² / ndf 56 / 53
p0 −8640 ± 6723
200
100
0
−100
−200
pull
Entries 54
Mean 9.026
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

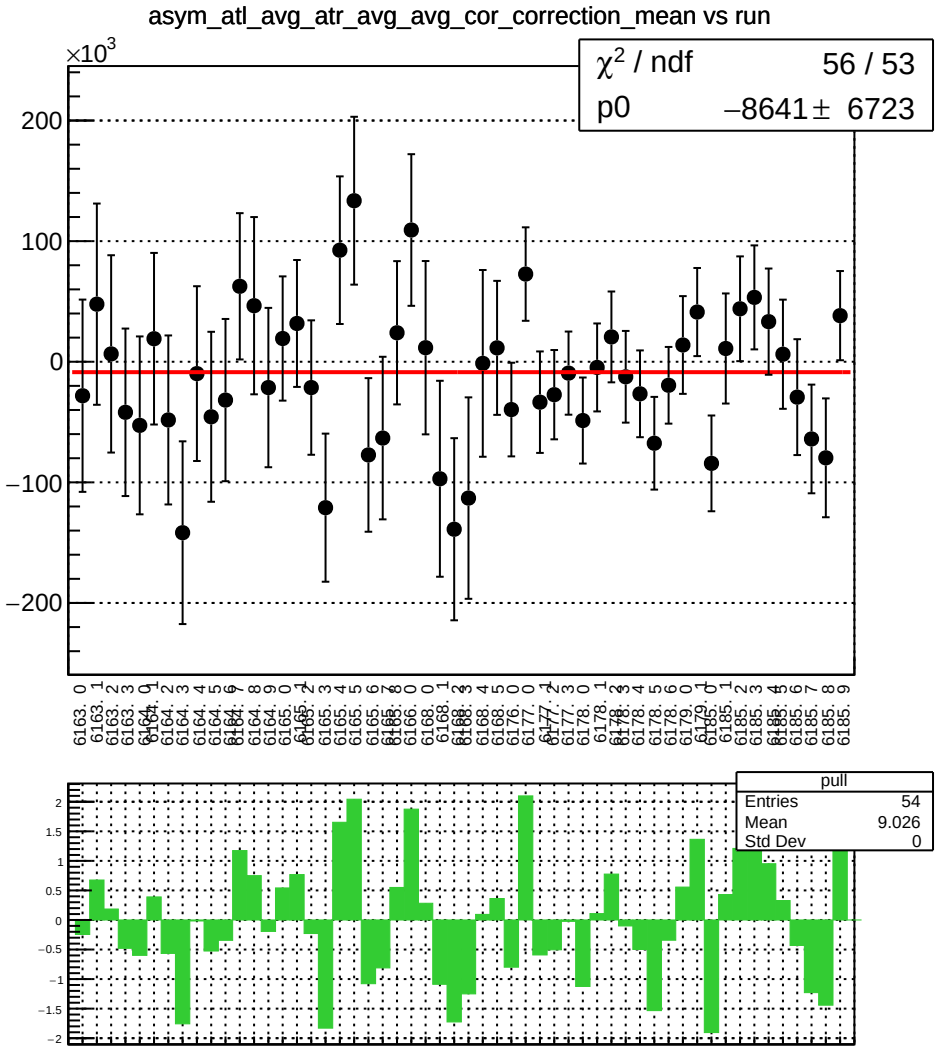

pull1D
Entries 54
Mean −0.02562
Std Dev 1.018
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

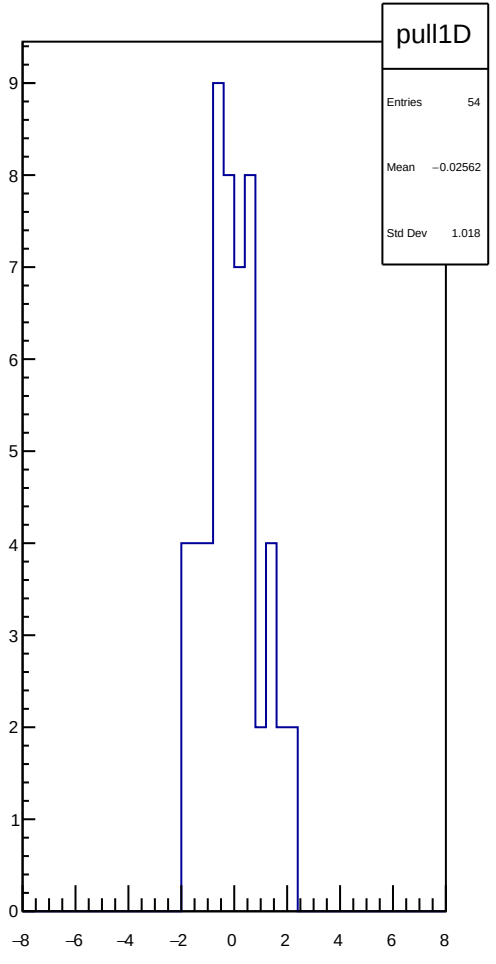

asym_atl_avg_atr_avg_avg_reg_correction_rms vs run
χ² / ndf 8.119e+04 / 53
p0 4638 ± 4.754
8000
7000
6000
5000
4000
3000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

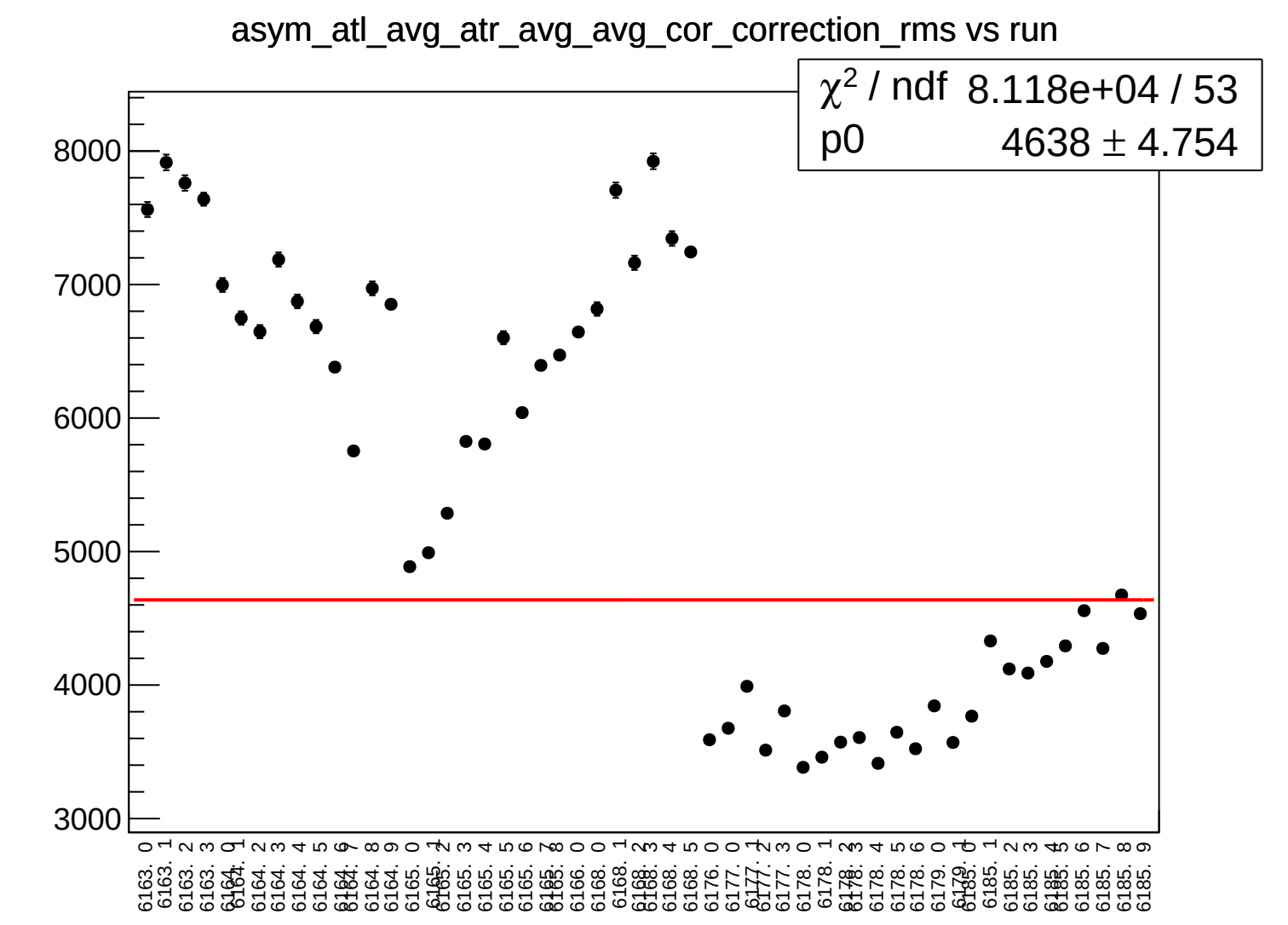

cor_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 57.86 / 53
p0 3633 ± 1759
pull
Entries 54
Mean −4043
Std Dev 0

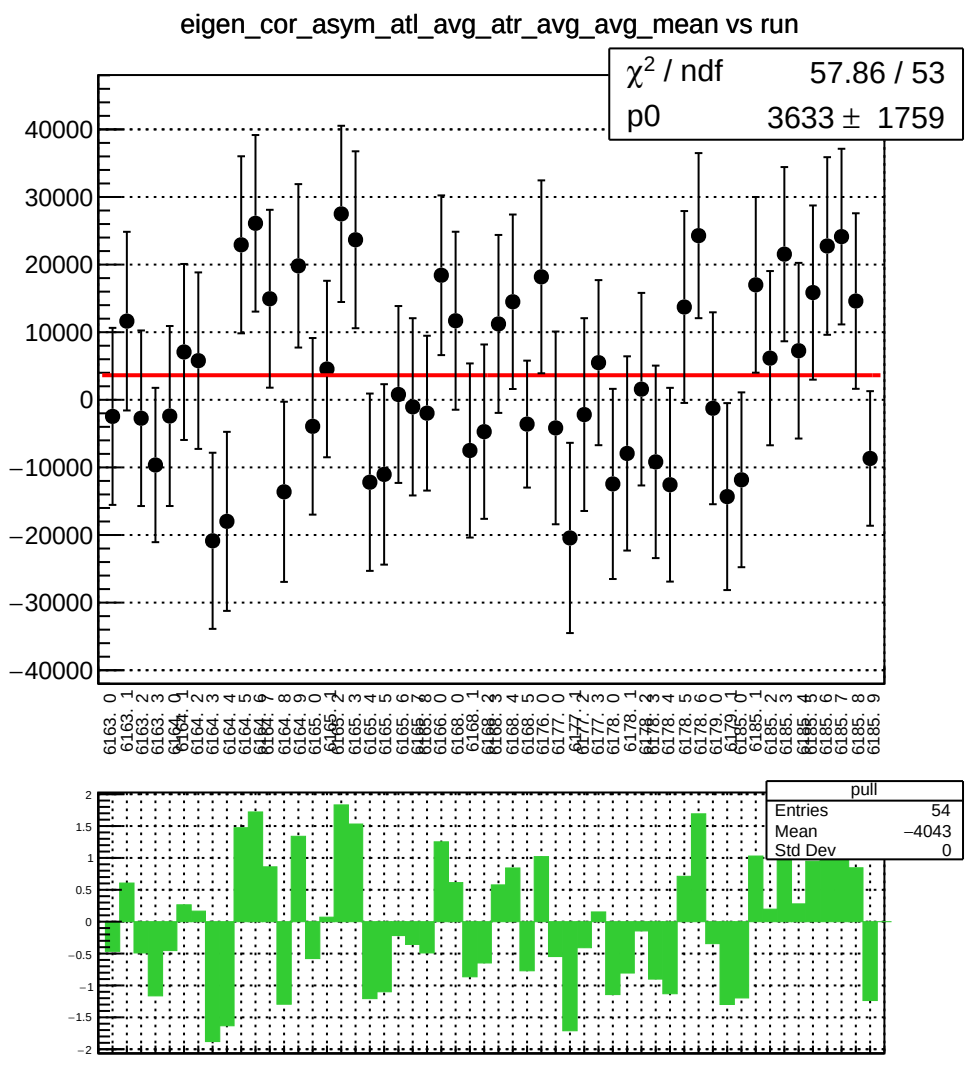

pull1D
Entries 54
Mean −0.000469
Std Dev 1.035

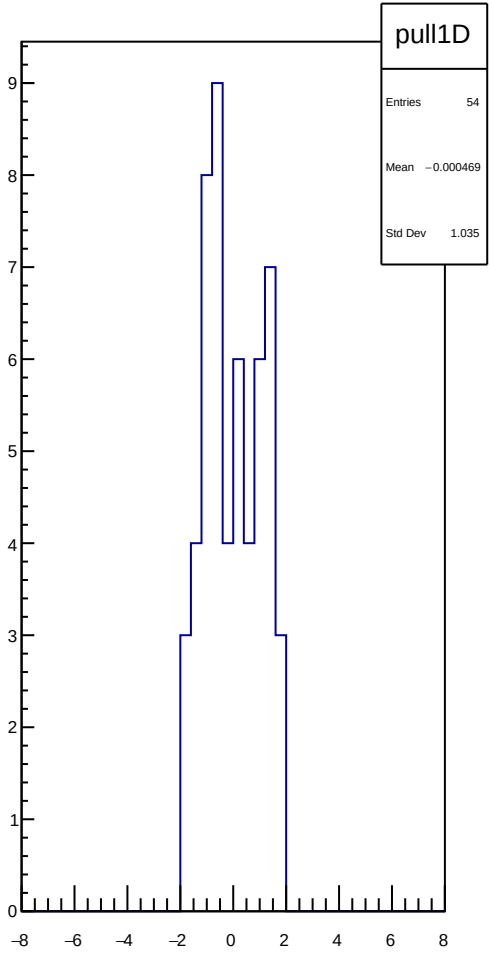

cor_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 1420 / 53
p0 1264 ± 1.244
1380
1360
1340
1320
1300
1280
1260
1240
1220
1200
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

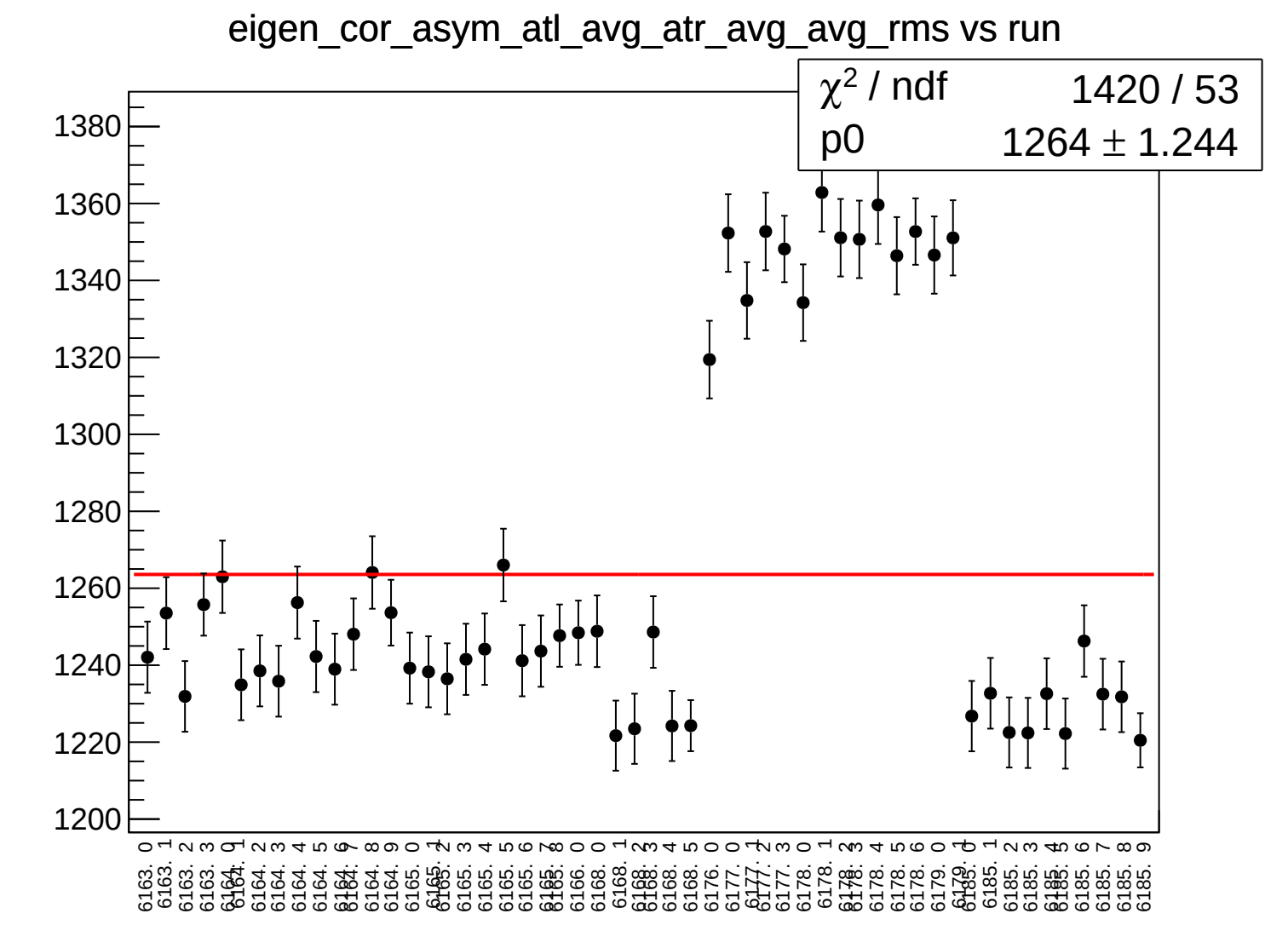

asym_atl_avg_atr_avg_avg_cor_correction_mean vs run
×10^3
χ² / ndf 56 / 53
p0 −8641 ± 6723
pull
Entries 54
Mean 9.026
Std Dev 0

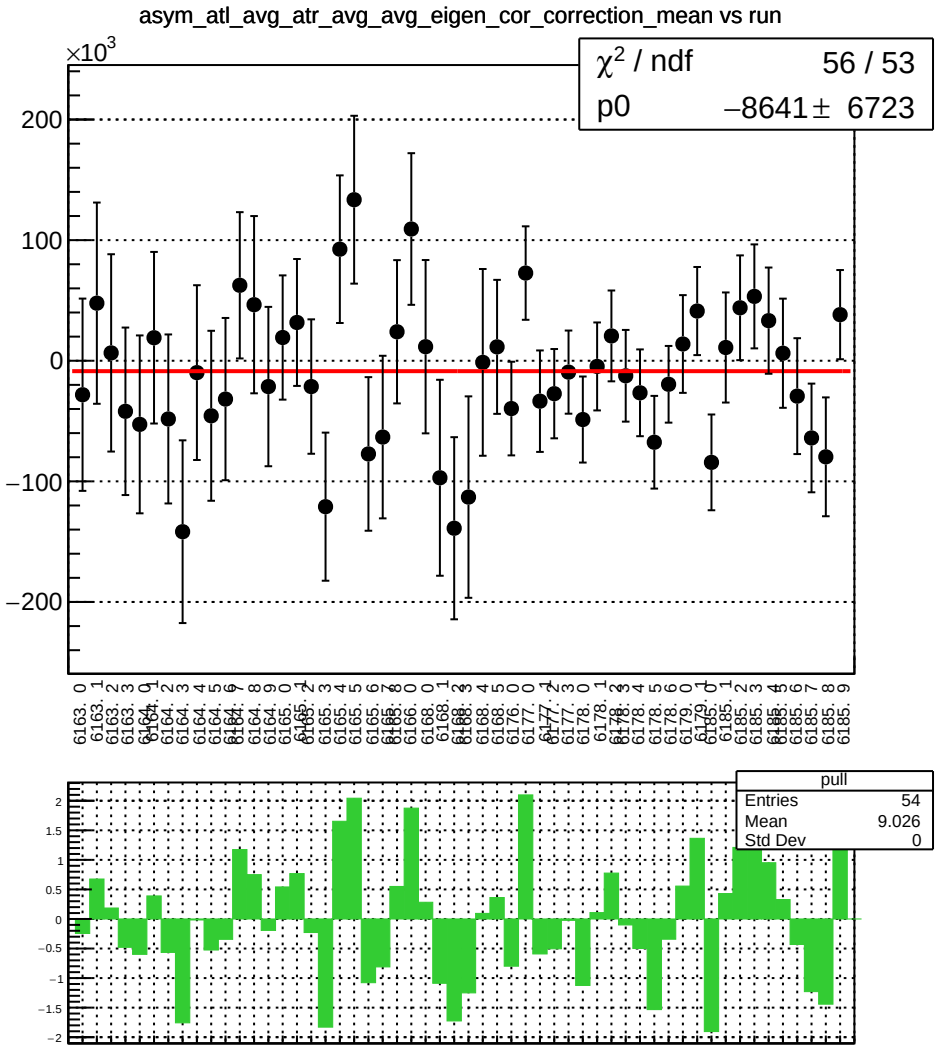

pull1D
Entries 54
Mean −0.02562
Std Dev 1.018

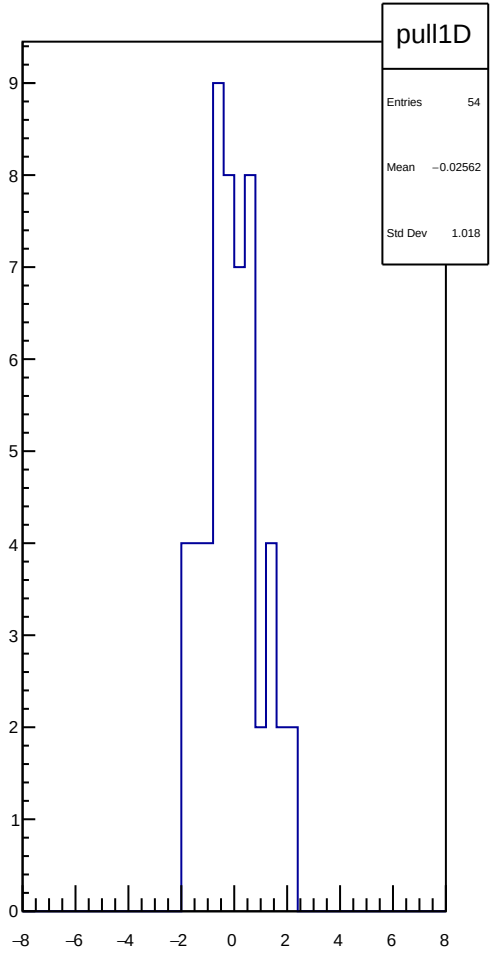

asym_atl_avg_atr_avg_avg_cor_correction_rms vs run
χ² / ndf 8.118e+04 / 53
p0 4638 ± 4.754
8000
7000
6000
5000
4000
3000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

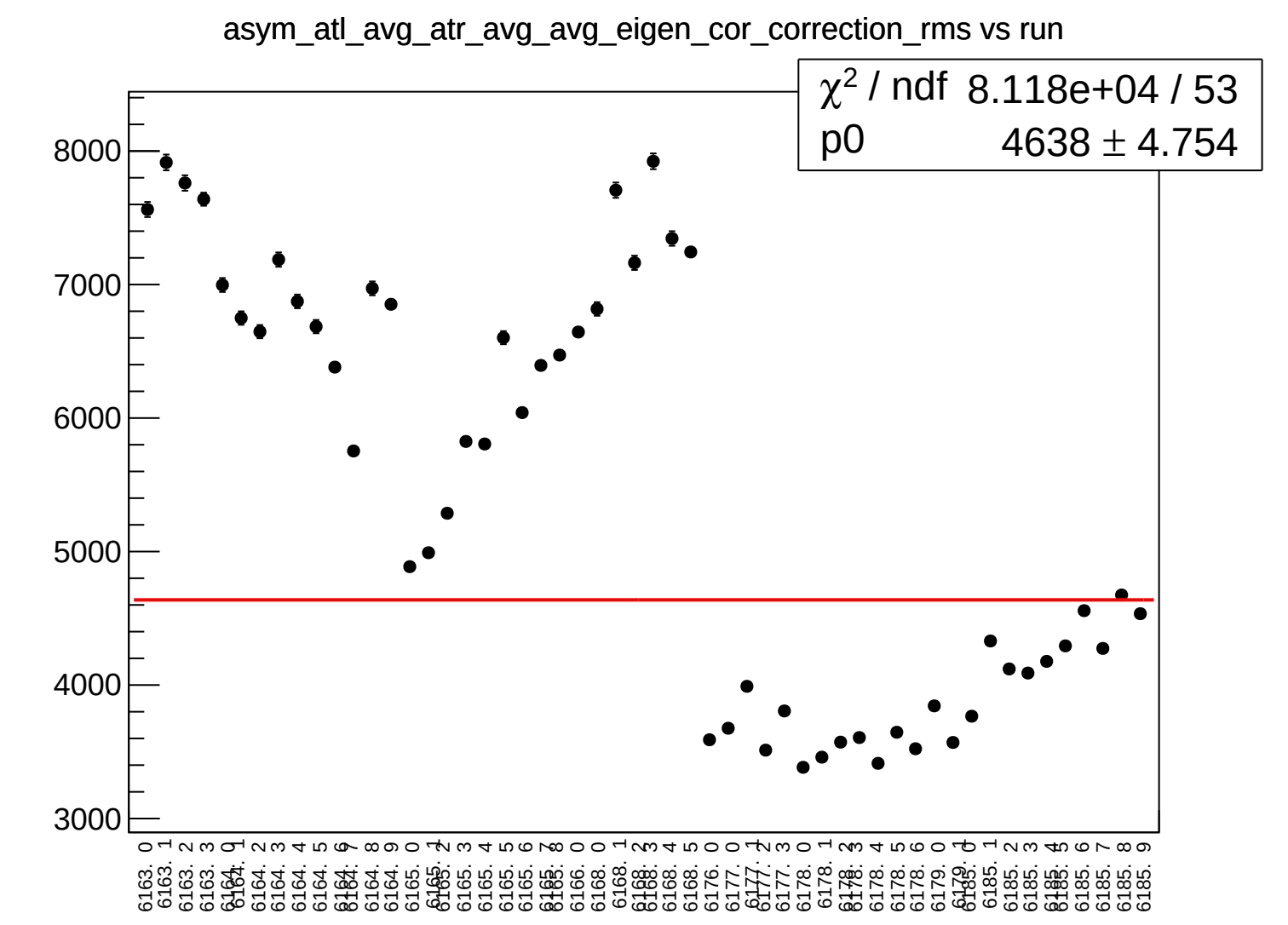

eigen_cor_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 57.86 / 53
p0 3633 ± 1759
pull
Entries 54
Mean −4043
Std Dev 0

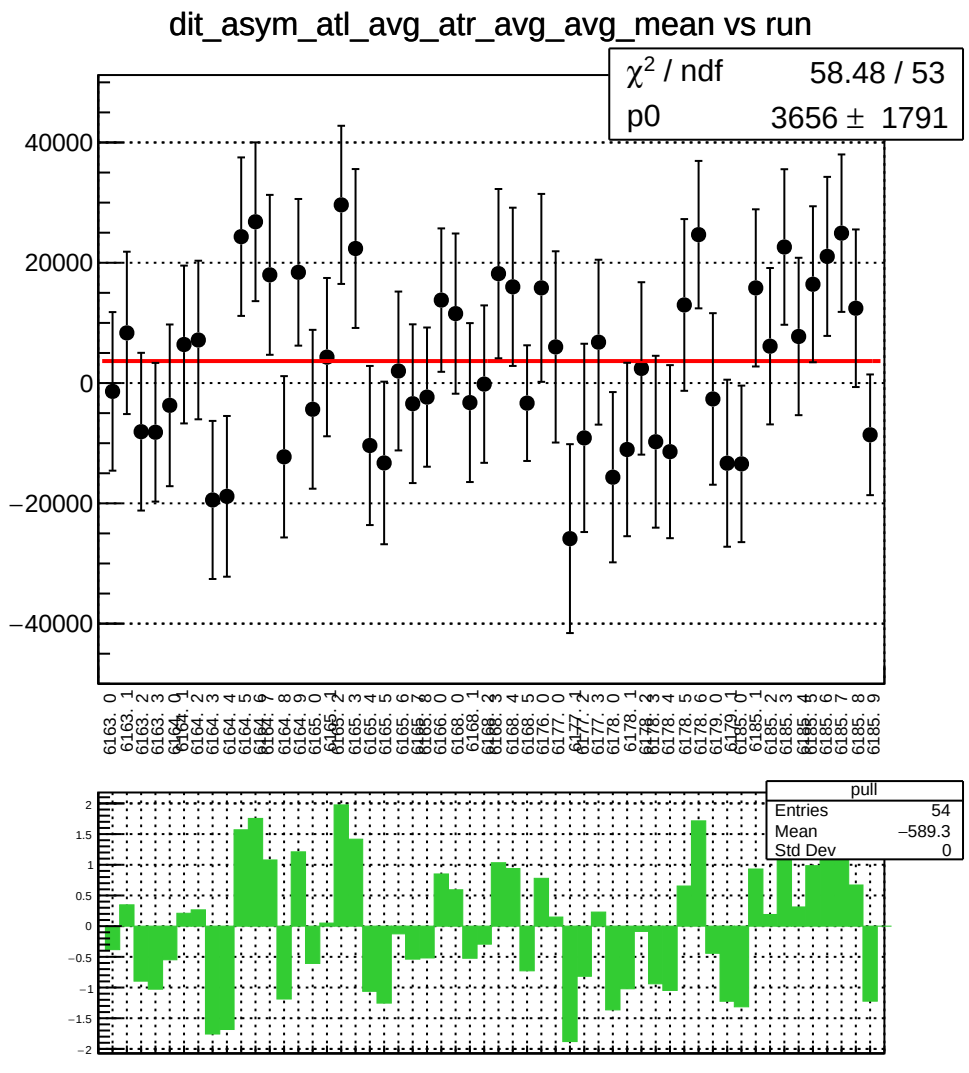

pull1D
Entries 54
Mean −0.000469
Std Dev 1.035

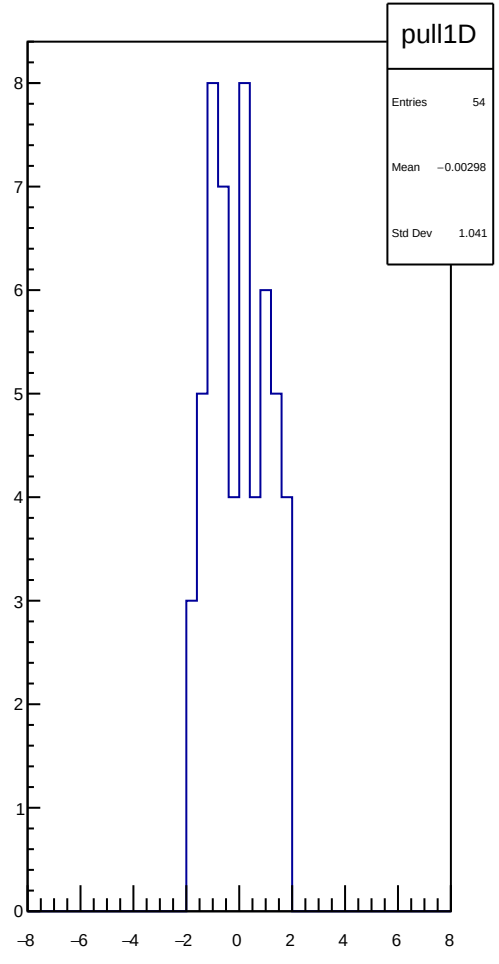

eigen_cor_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 1420 / 53
p0 1264 ± 1.244
1380
1360
1340
1320
1300
1280
1260
1240
1220
1200
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

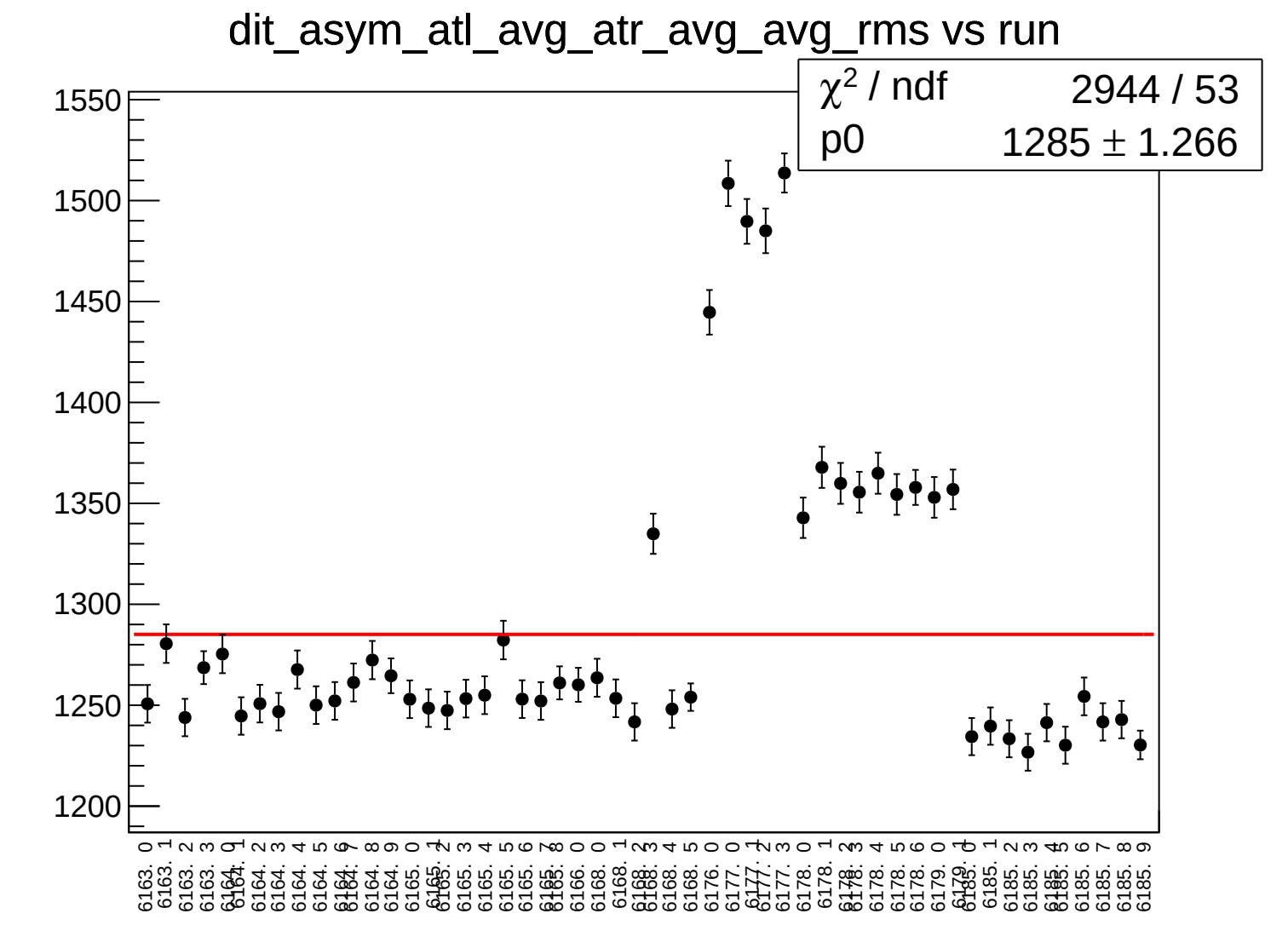

asym_atl_avg_atr_avg_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 56 / 53
p0 −8641 ± 6723
200
100
0
−100
−200
pull
Entries 54
Mean 9.026
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

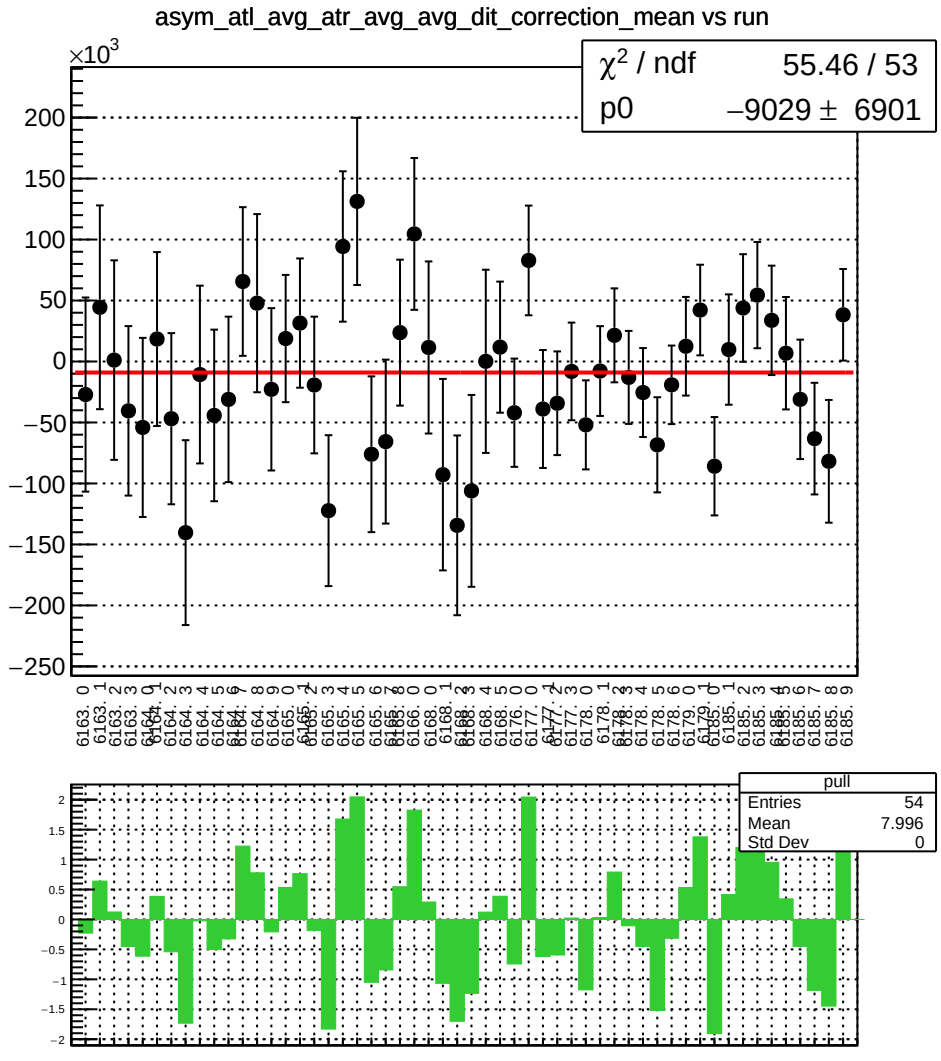

pull1D
Entries 54
Mean −0.02562
Std Dev 1.018
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

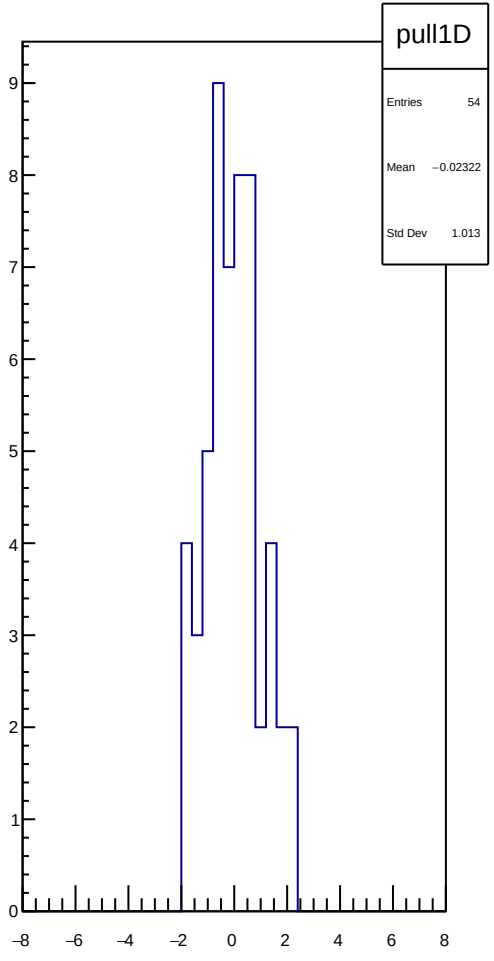

asym_atl_avg_atr_avg_avg_eigen_cor_correction_rms vs run
χ² / ndf 8.118e+04 / 53
p0 4638 ± 4.754
8000
7000
6000
5000
4000
3000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

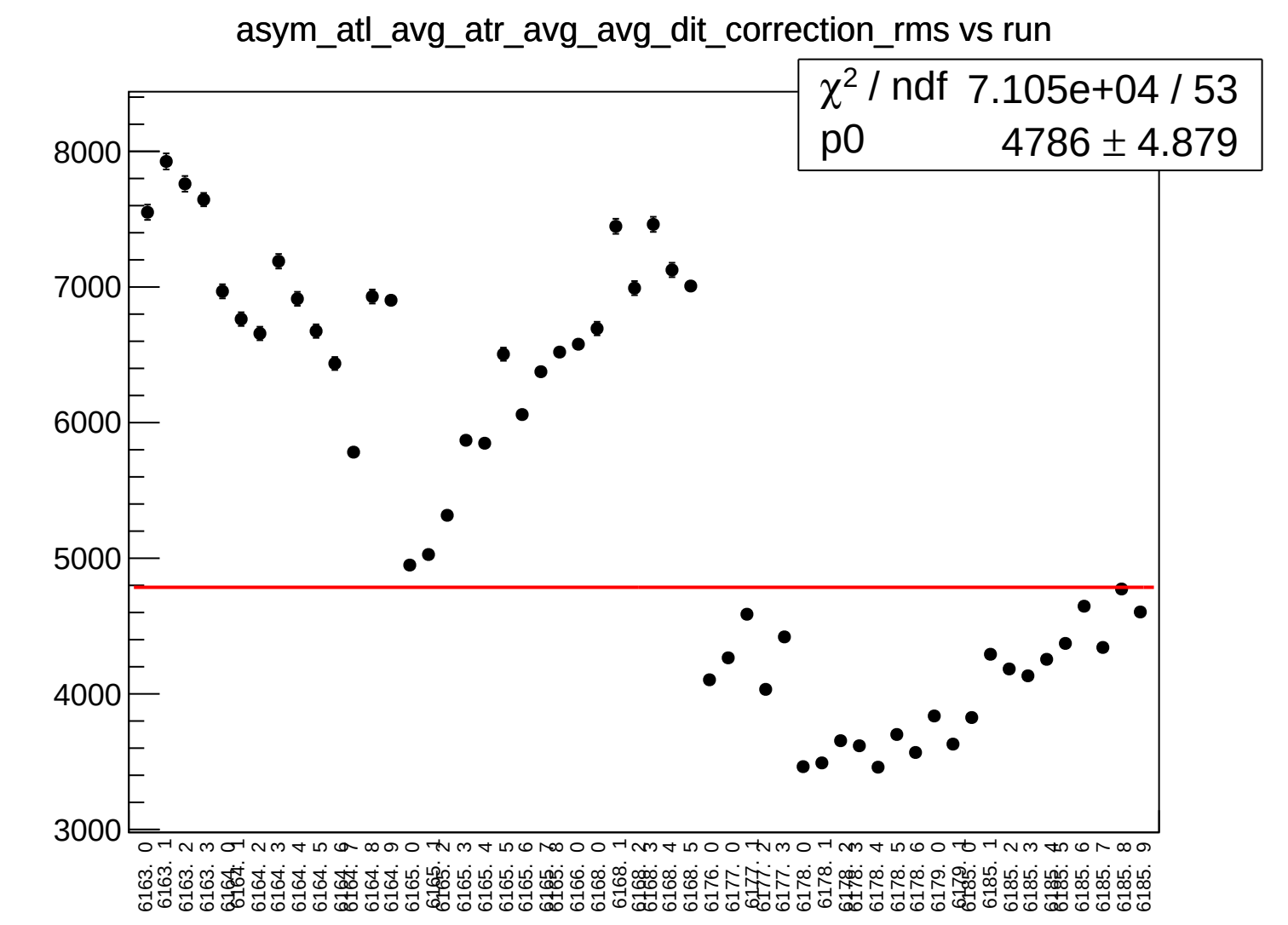

dit_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 58.48 / 53
p0 3656 ± 1791
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −589.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

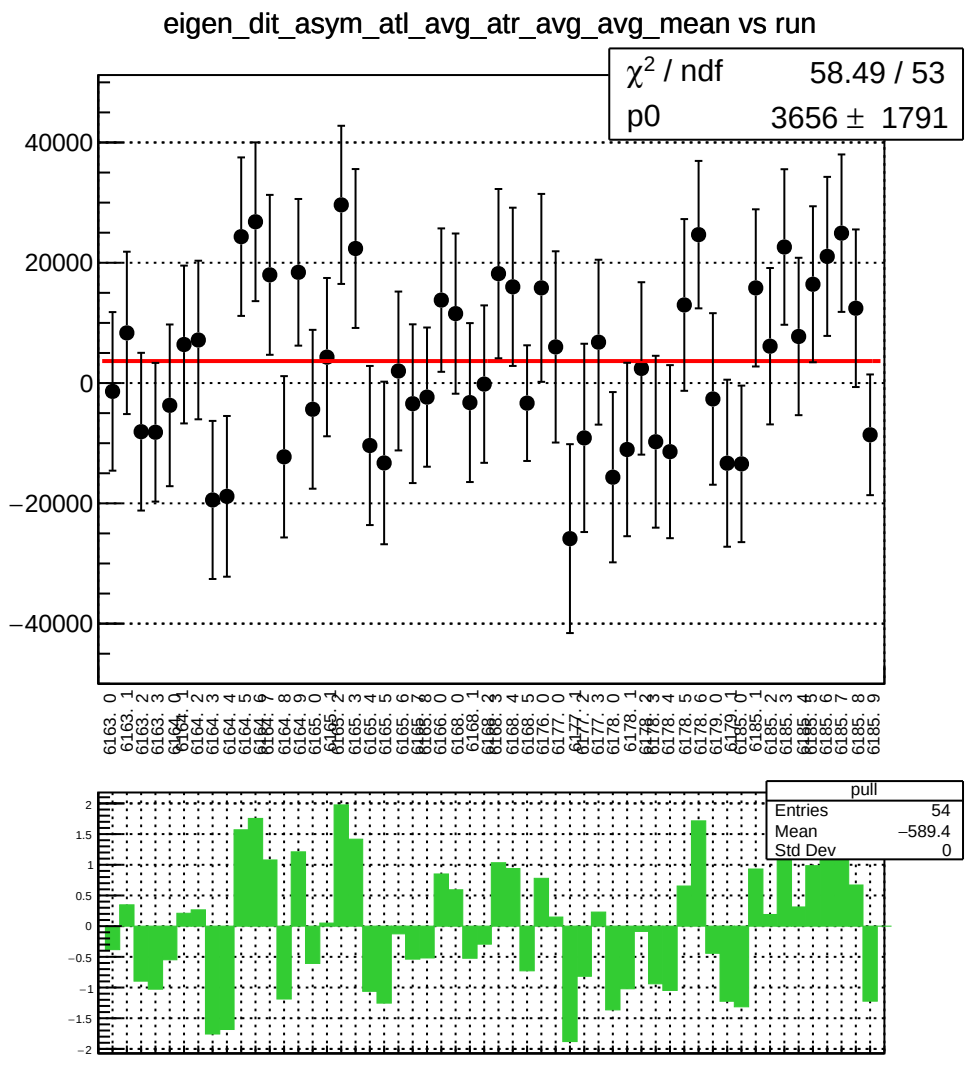

pull1D
Entries 54
Mean −0.00298
Std Dev 1.041
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

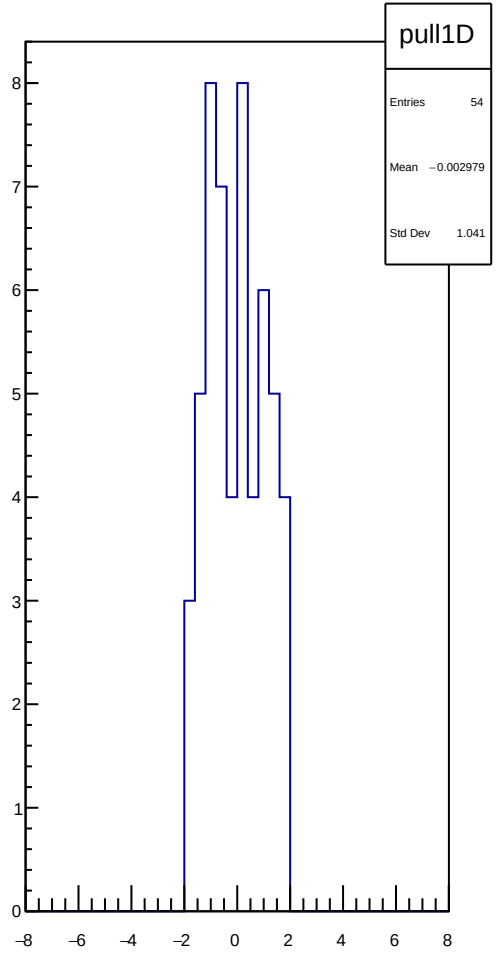

dit_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 2944 / 53
p0 1285 ± 1.266
1550
1500
1450
1400
1350
1300
1250
1200
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

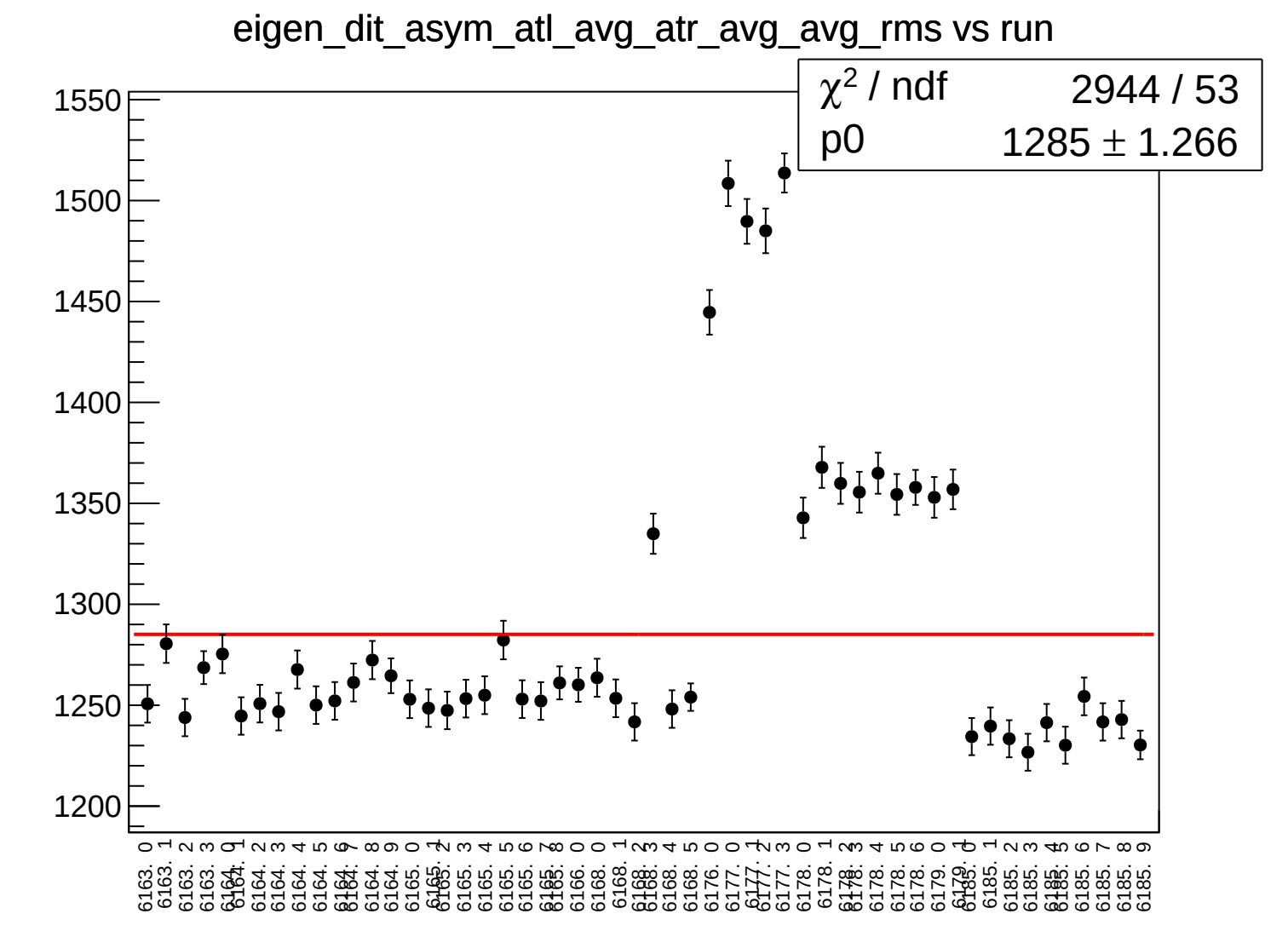

asym_atl_avg_atr_avg_avg_dit_correction_mean vs run
×10^3
χ² / ndf 55.46 / 53
p0 −9029 ± 6901
pull
Entries 54
Mean 7.996
Std Dev 0

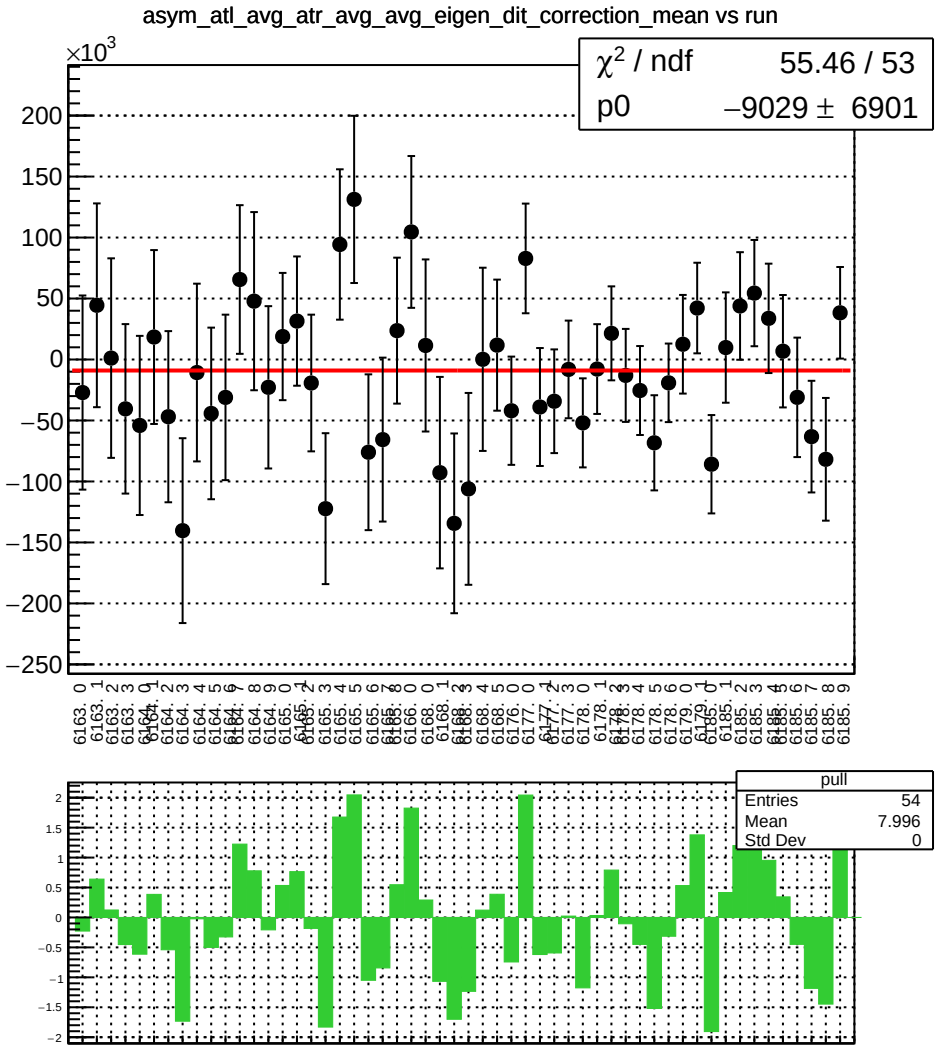

pull1D
Entries 54
Mean −0.02322
Std Dev 1.013

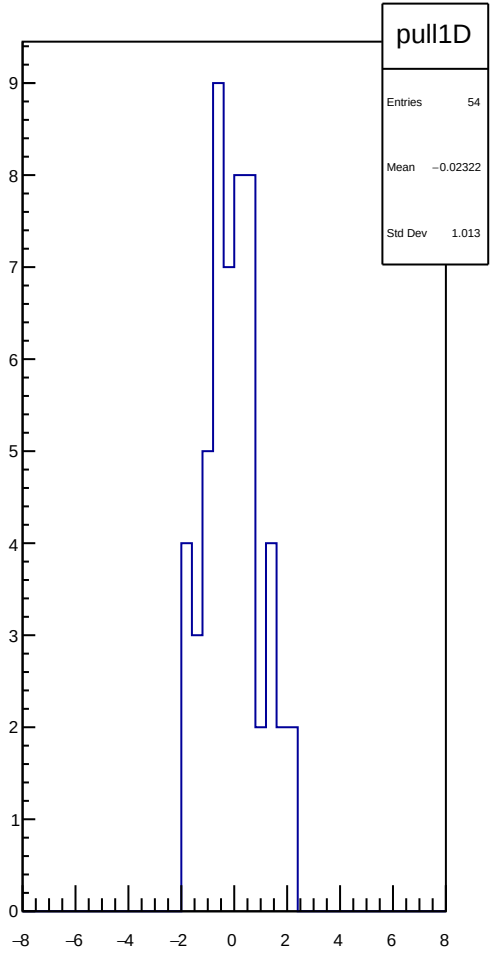

asym_atl_avg_atr_avg_avg_dit_correction_rms vs run
χ² / ndf 7.105e+04 / 53
p0 4786 ± 4.879
8000
7000
6000
5000
4000
3000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

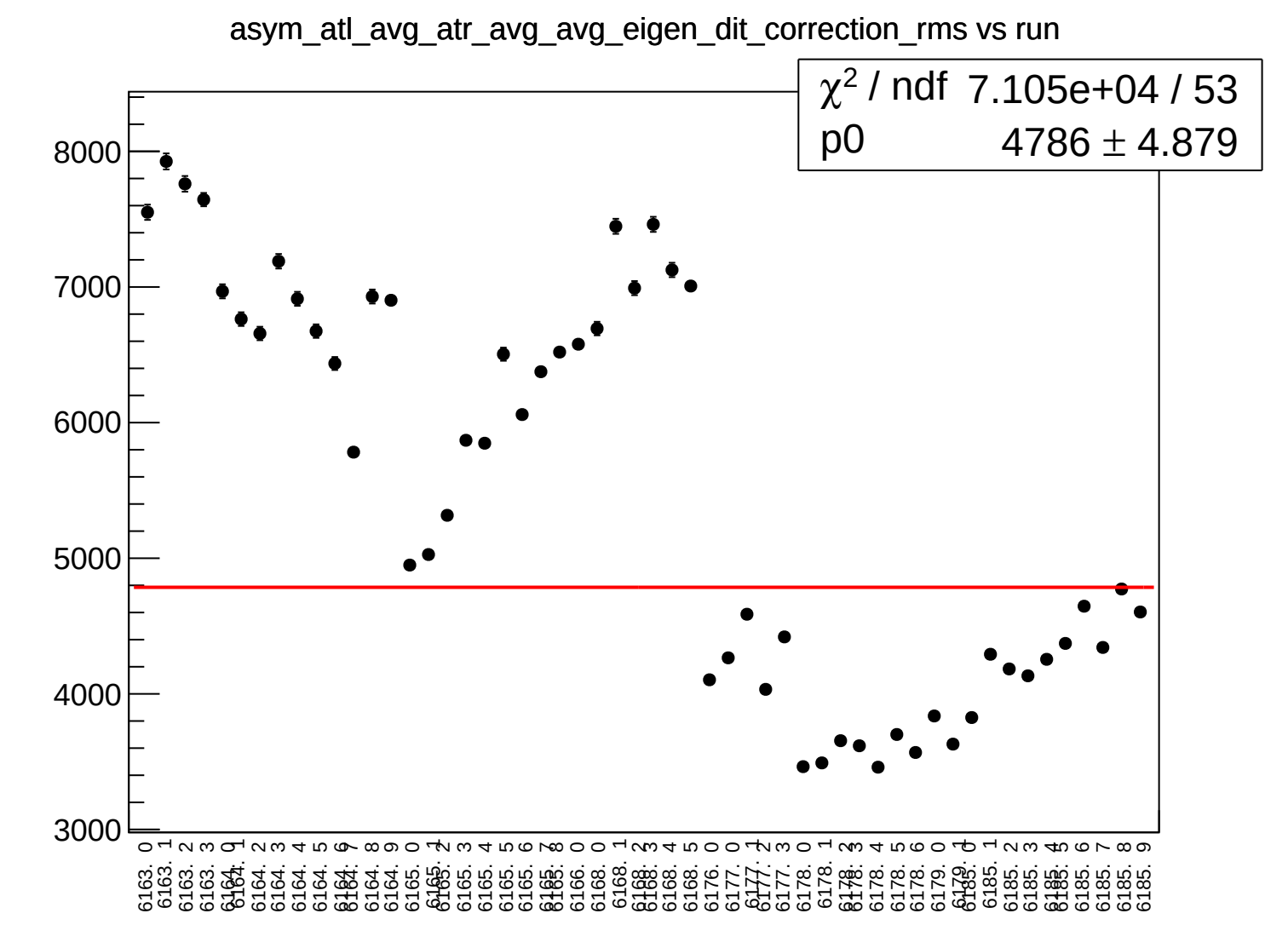

eigen_dit_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 58.49 / 53
p0 3656 ± 1791
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −589.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

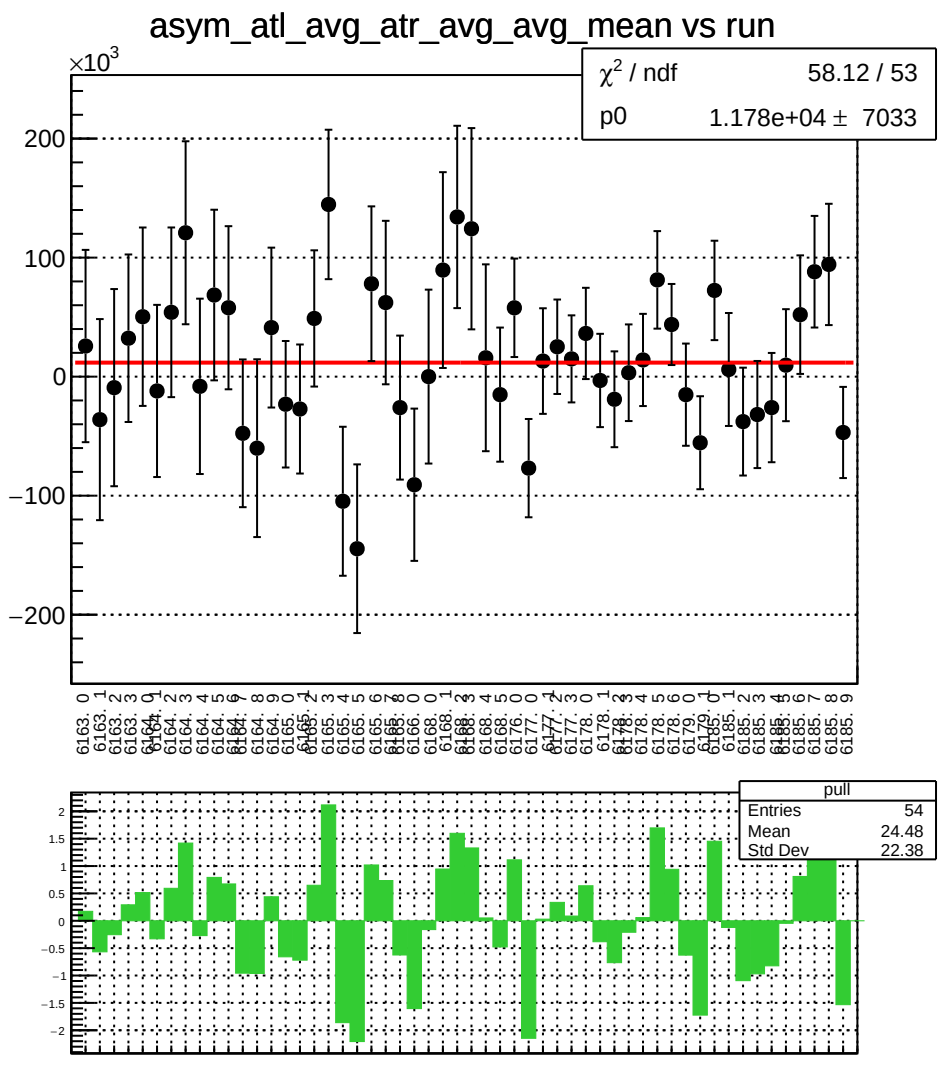

pull1D
Entries 54
Mean −0.002979
Std Dev 1.041
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

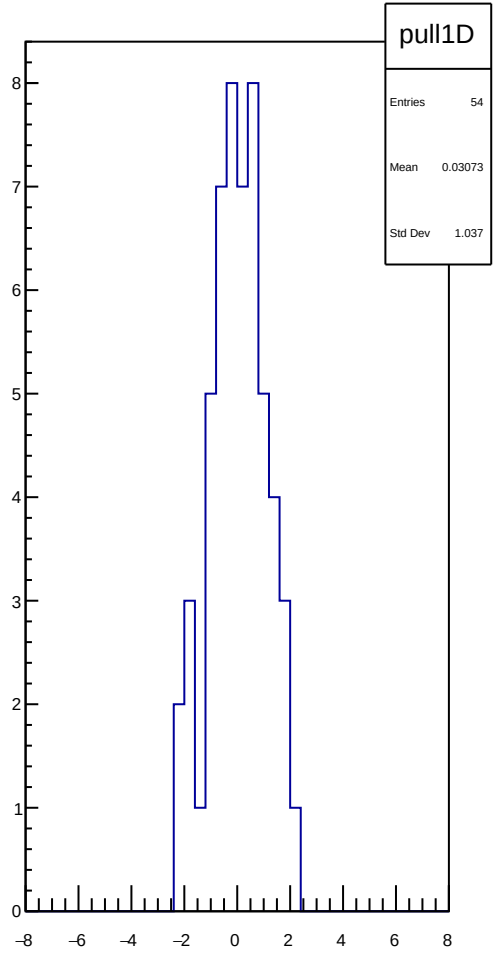

eigen_dit_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 2944 / 53
p0 1285 ± 1.266
1550
1500
1450
1400
1350
1300
1250
1200
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

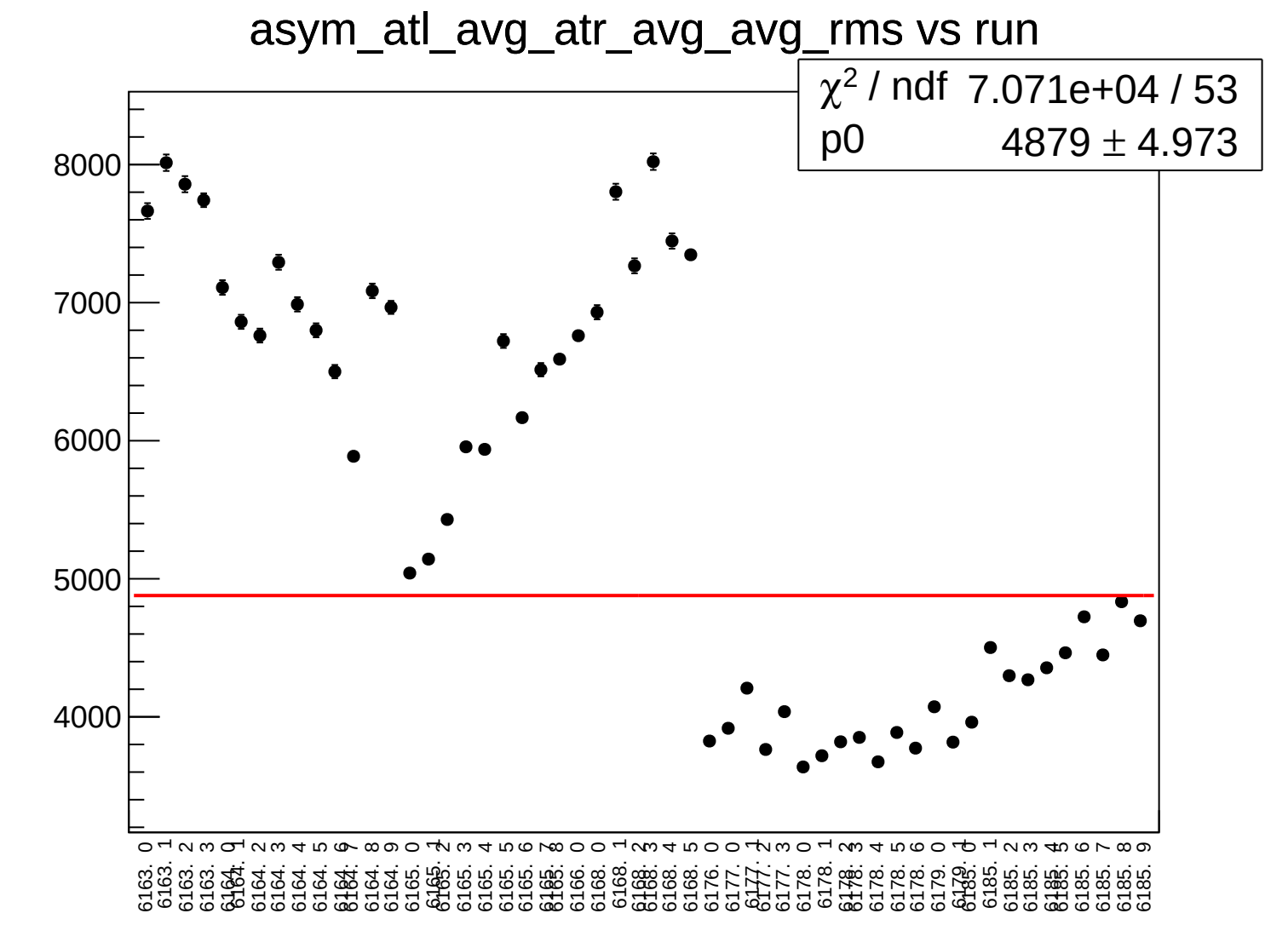

asym_atl_avg_atr_avg_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 55.46 / 53
p0 −9029 ± 6901
pull
Entries 54
Mean 7.996
Std Dev 0

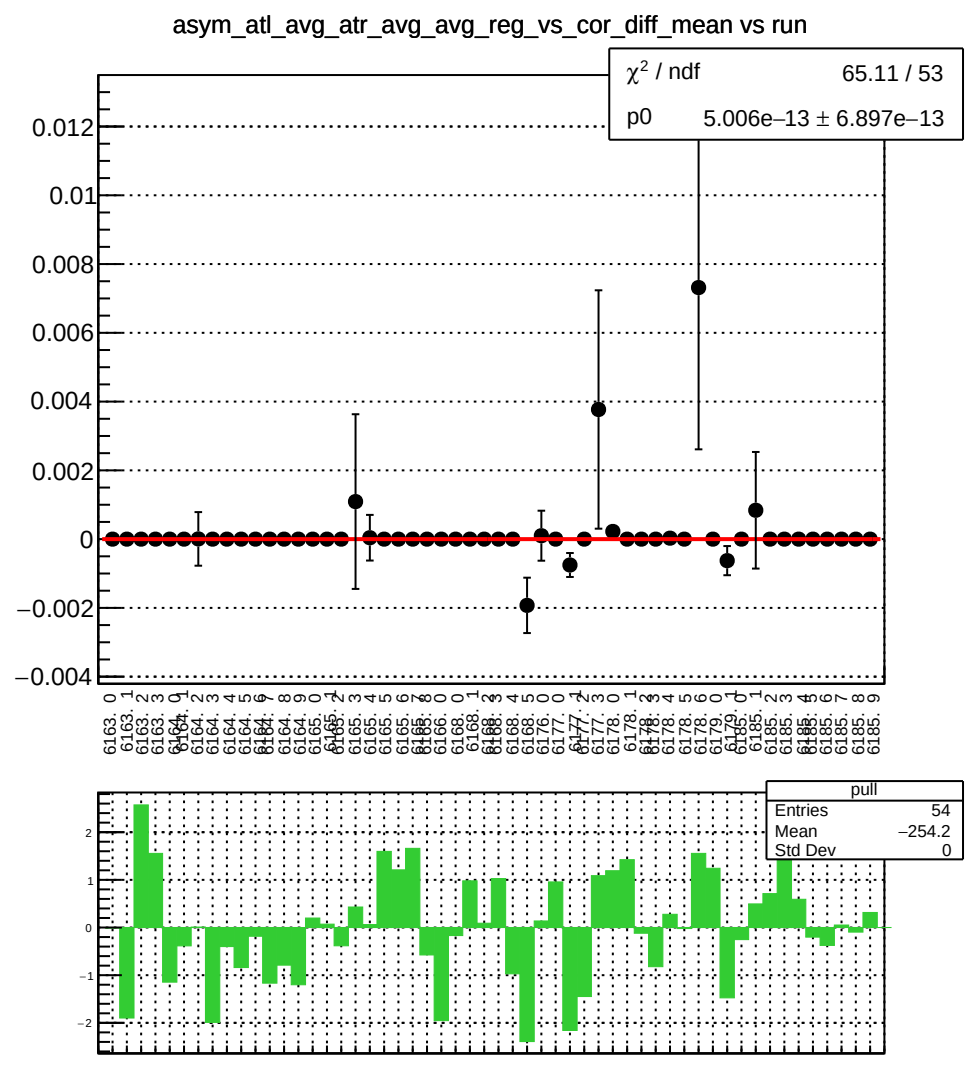

pull1D
Entries 54
Mean −0.02322
Std Dev 1.013

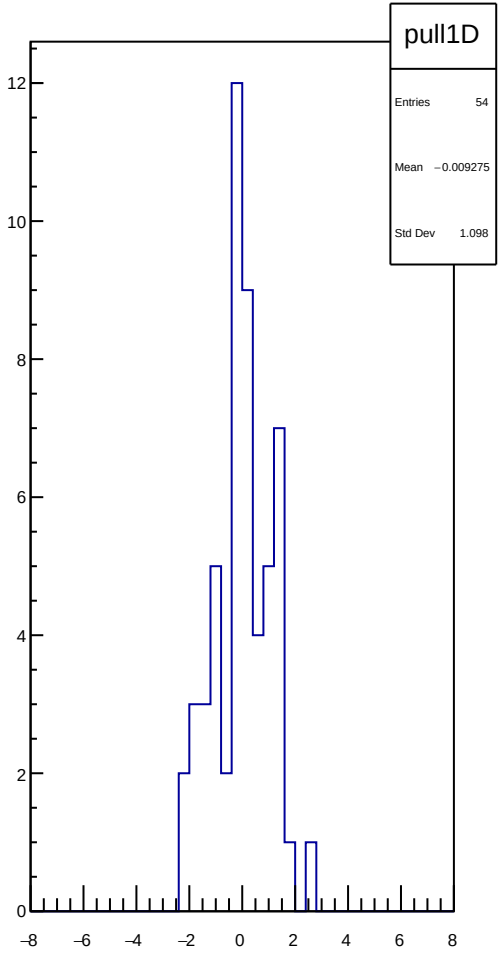

asym_atl_avg_atr_avg_avg_eigen_dit_correction_rms vs run
χ² / ndf 7.105e+04 / 53
p0 4786 ± 4.879
8000
7000
6000
5000
4000
3000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

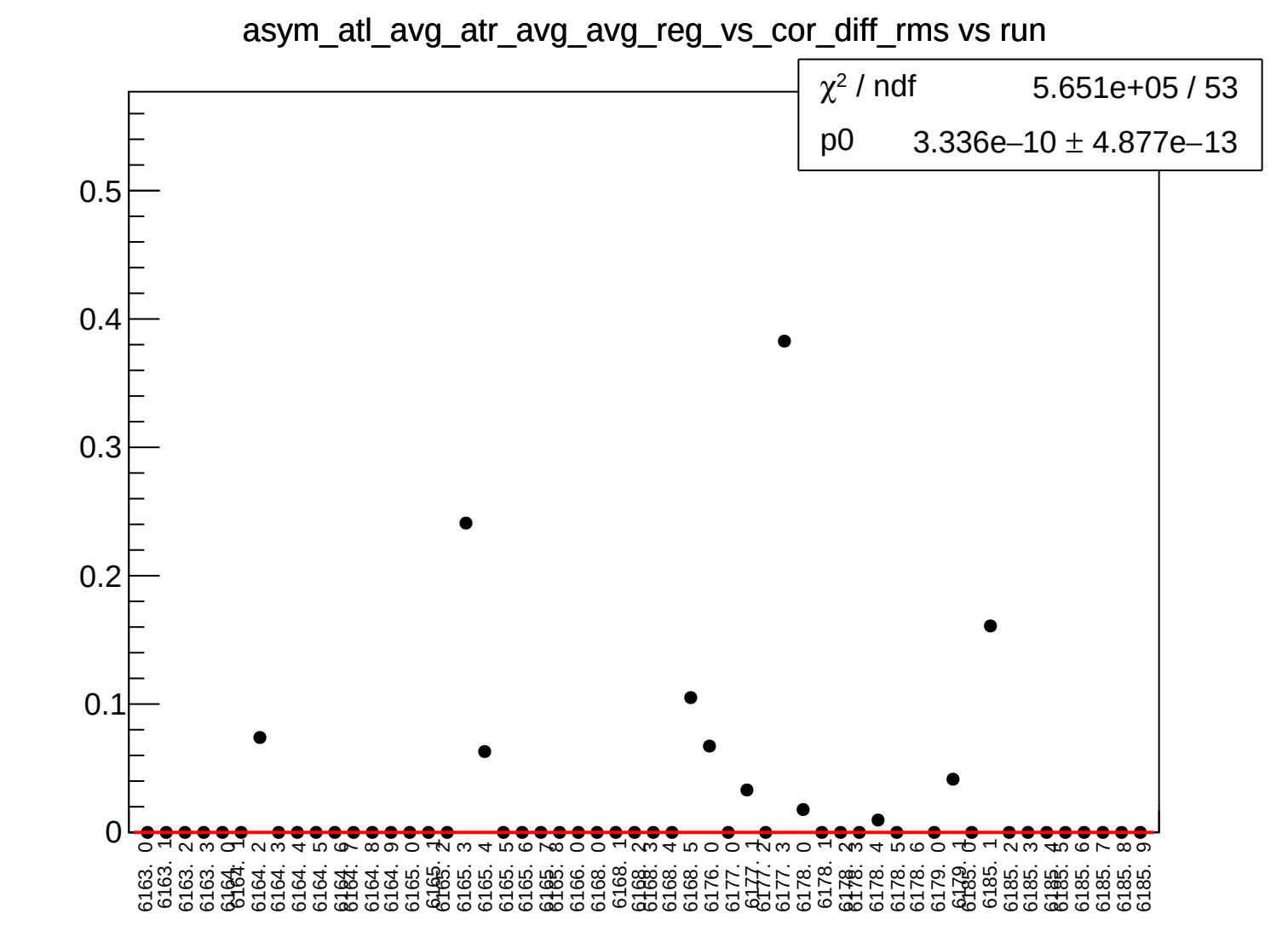

asym_atl_avg_atr_avg_avg_mean vs run
×10^3
χ² / ndf 58.12 / 53
p0 1.178e+04 ± 7033
200
100
0
−100
−200
pull
Entries 54
Mean 24.48
Std Dev 22.38
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

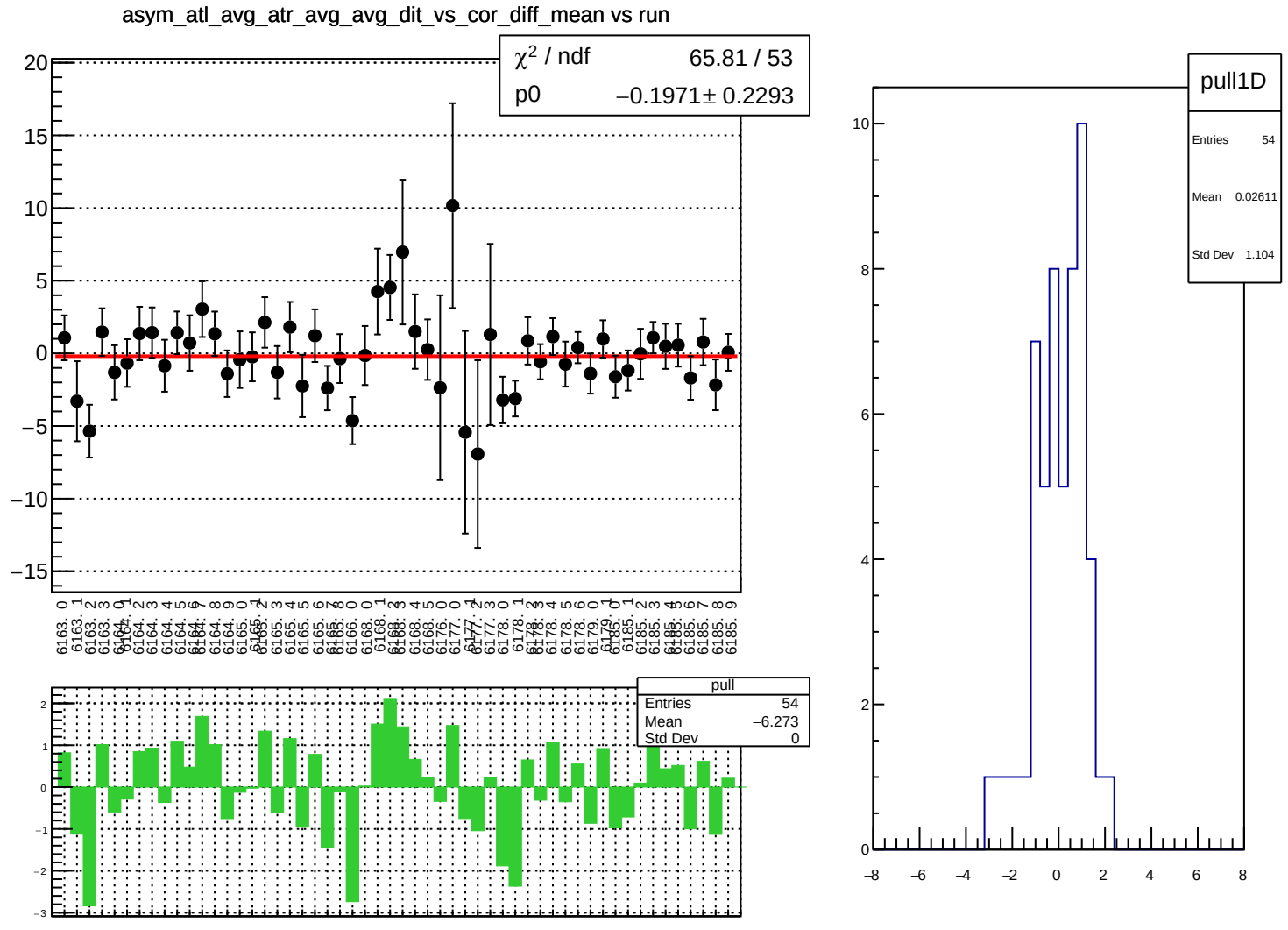

pull1D
Entries 54
Mean 0.03073
Std Dev 1.037
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

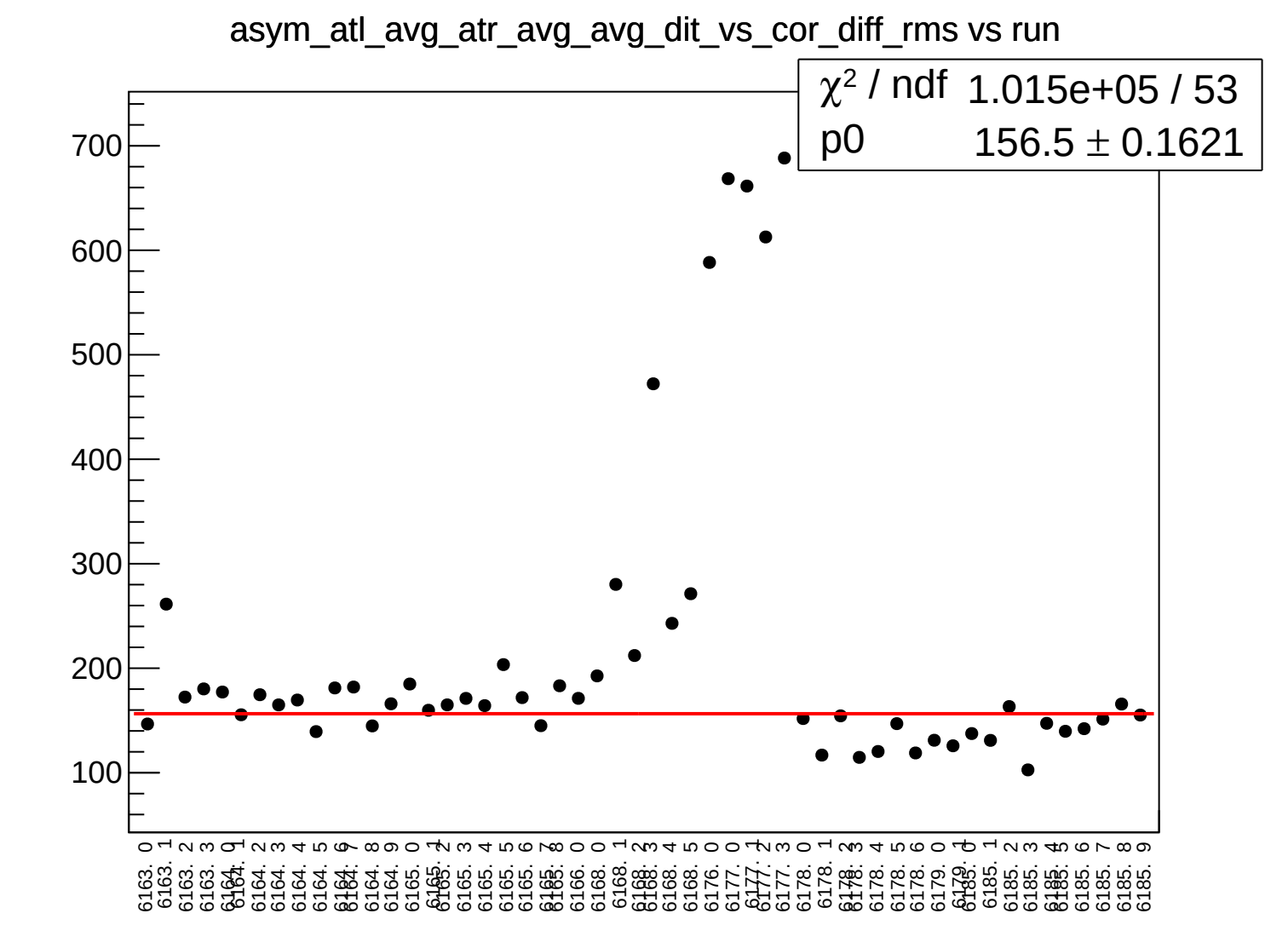

asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 7.071e+04 / 53
p0 4879 ± 4.973
8000
7000
6000
5000
4000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

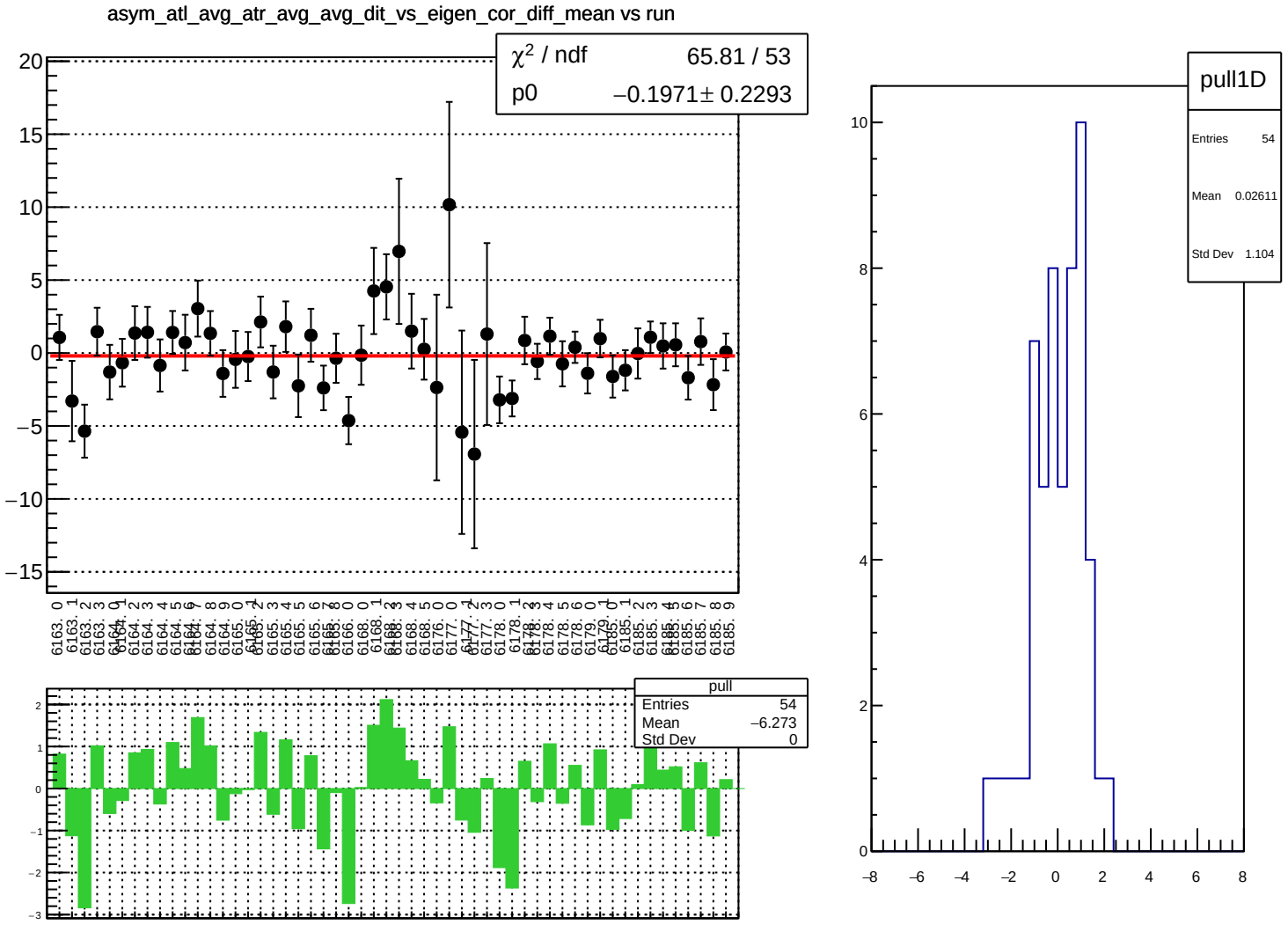

asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 65.11 / 53
p0 5.006e−13 ± 6.897e−13
pull
Entries 54
Mean −254.2
Std Dev 0

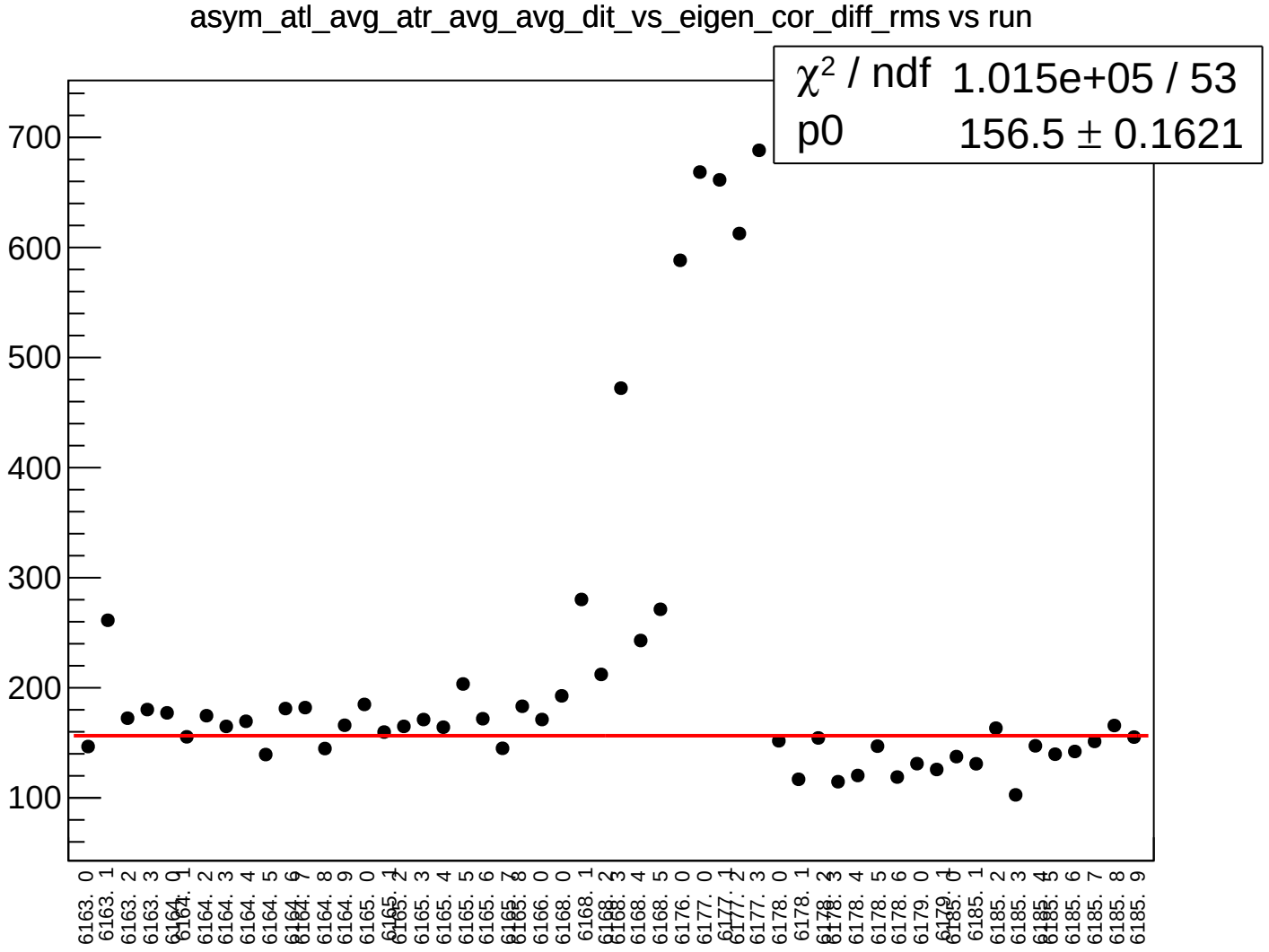

pull1D
Entries 54
Mean −0.009275
Std Dev 1.098

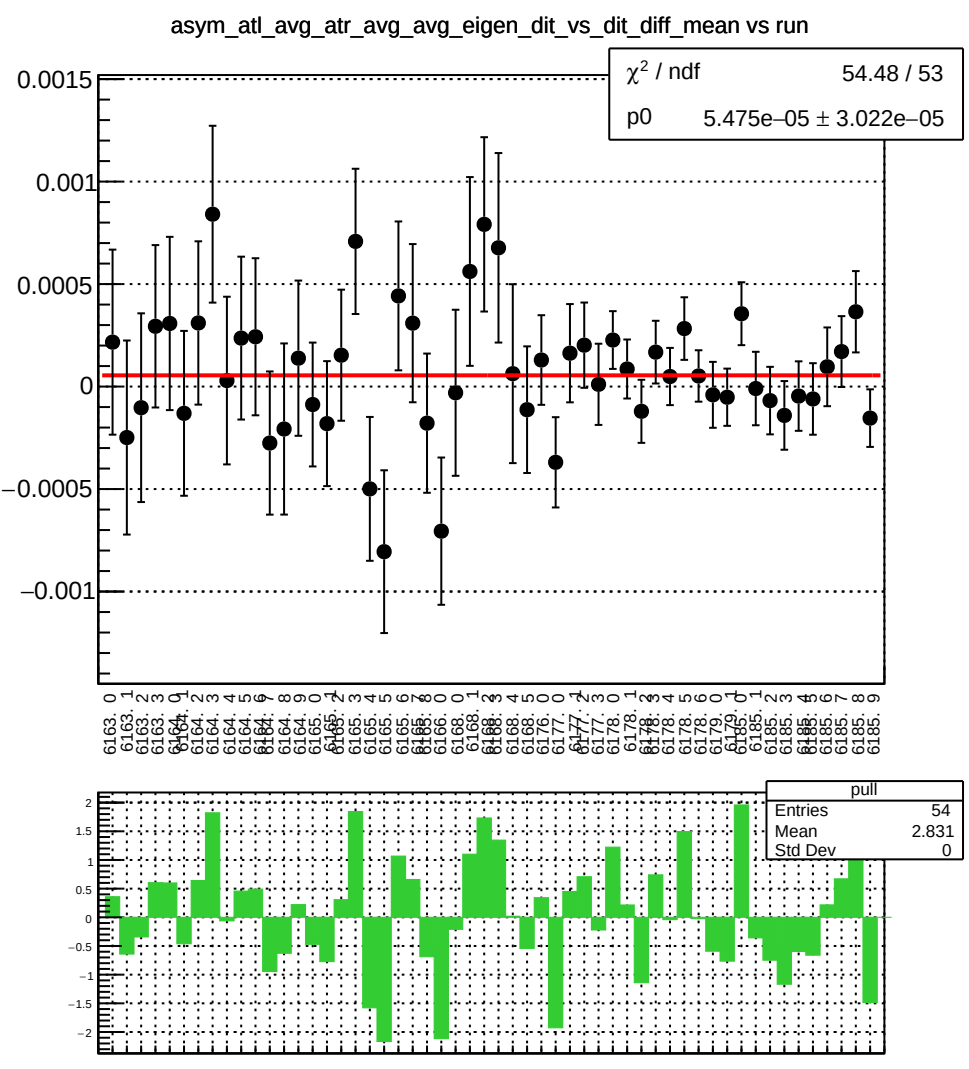

asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 5.651e+05 / 53
p0 3.336e−10 ± 4.877e−13
0.5
0.4
0.3
0.2
0.1
0
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 6
6164. 7
6164. 8
6164. 9
6165. 0
6165. 1
6165. 2
6165. 3
6165. 4
6165. 5
6165. 6
6165. 7
6165. 8
6166. 0
6168. 0
6168. 1
6168. 2
6168. 3
6168. 4
6168. 5
6176. 0
6177. 0
6177. 1
6177. 2
6177. 3
6178. 0
6178. 1
6178. 2
6178. 3
6178. 4
6178. 5
6178. 6
6179. 0
6179. 1
6185. 0
6185. 1
6185. 2
6185. 3
6185. 4
6185. 5
6185. 6
6185. 7
6185. 8
6185. 9

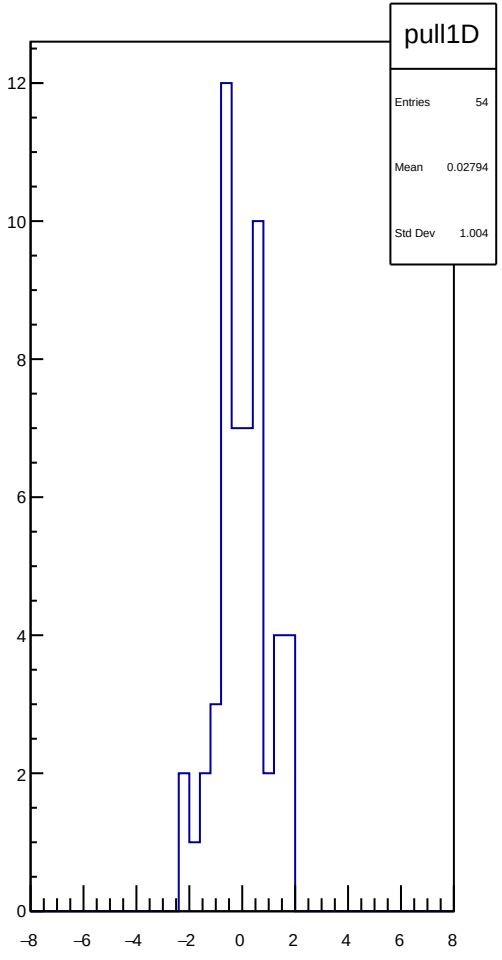

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 65.81 / 53
p0 −0.1971± 0.2293
pull
Entries 54
Mean −6.273
Std Dev 0
pull1D
Entries 54
Mean 0.02611
Std Dev 1.104

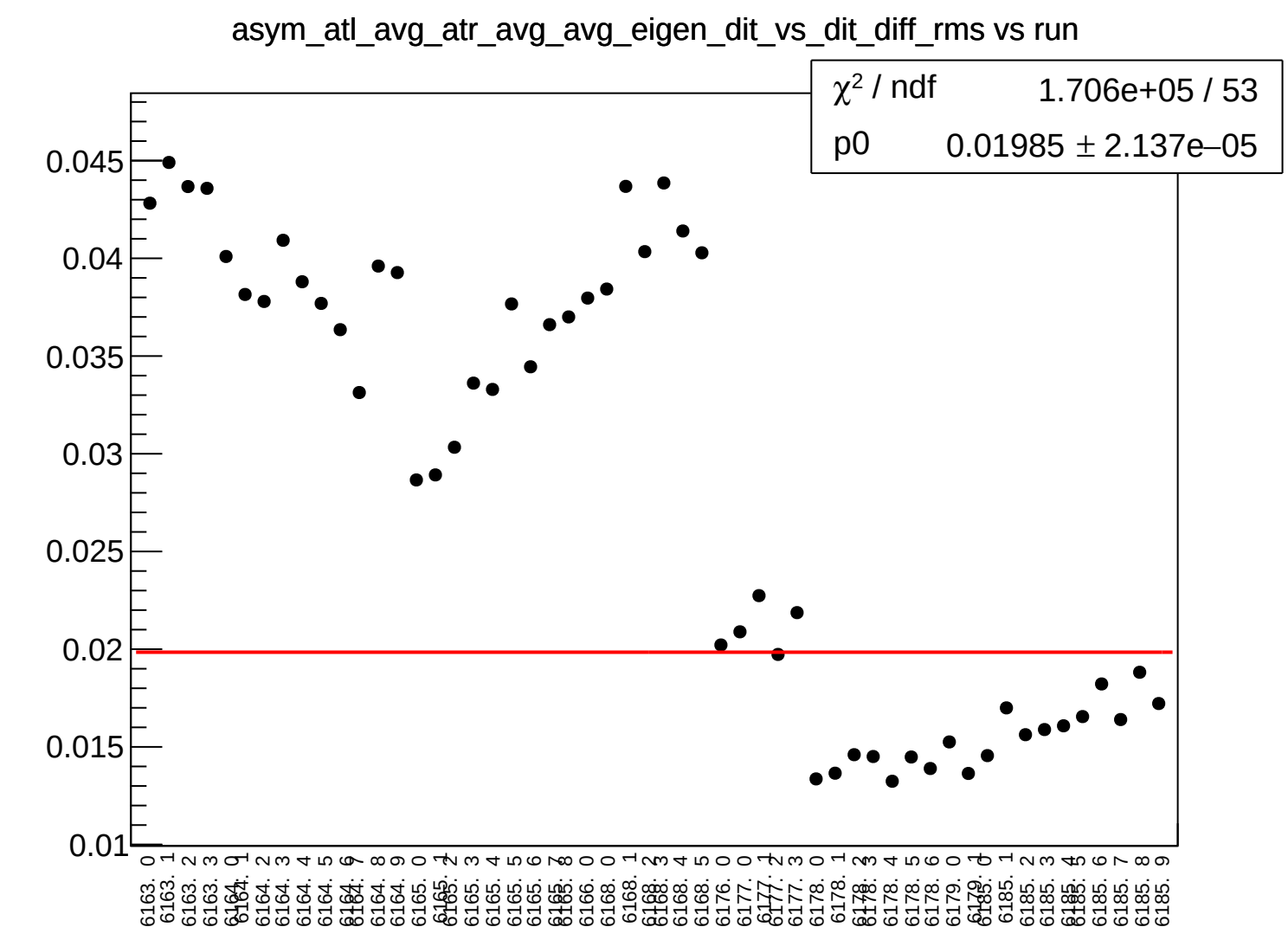

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.015e+05 / 53
p0 156.5 ± 0.1621
700
600
500
400
300
200
100
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

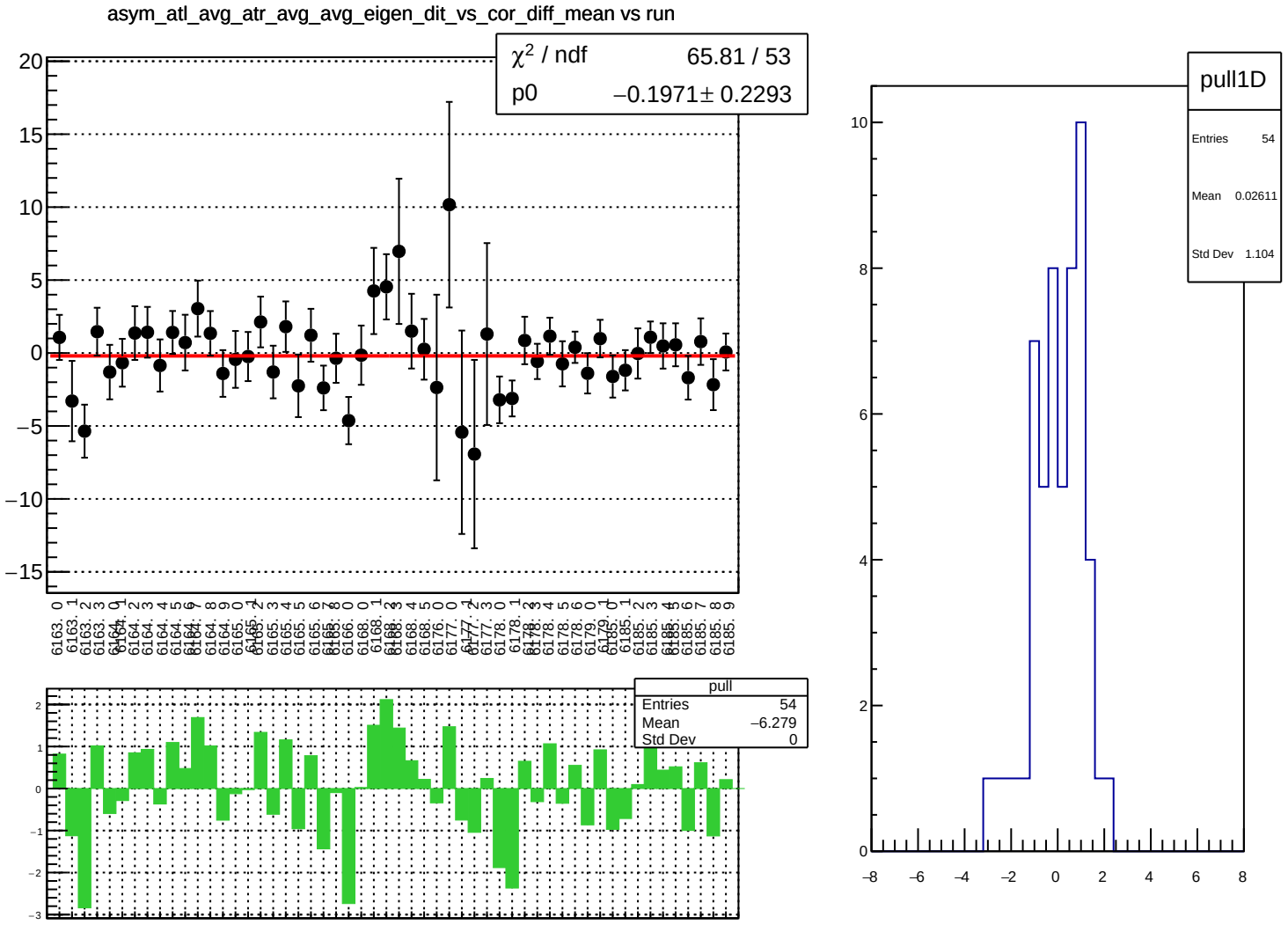

asym_atl_avg_atr_avg_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 65.81 / 53
p0 −0.1971± 0.2293
pull
Entries 54
Mean −6.273
Std Dev 0
pull1D
Entries 54
Mean 0.02611
Std Dev 1.104

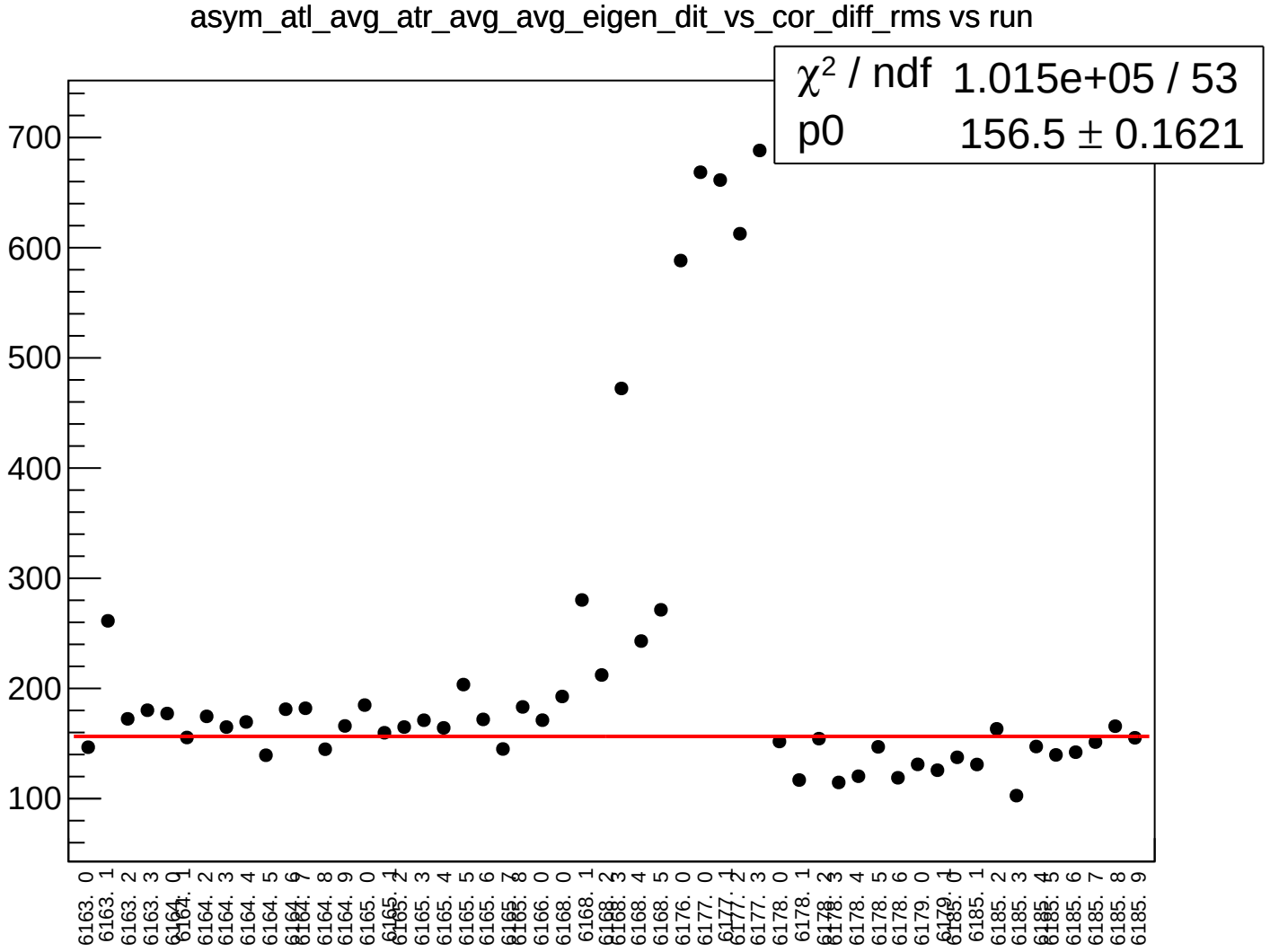

asym_atl_avg_atr_avg_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.015e+05 / 53
p0 156.5 ± 0.1621
700
600
500
400
300
200
100
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

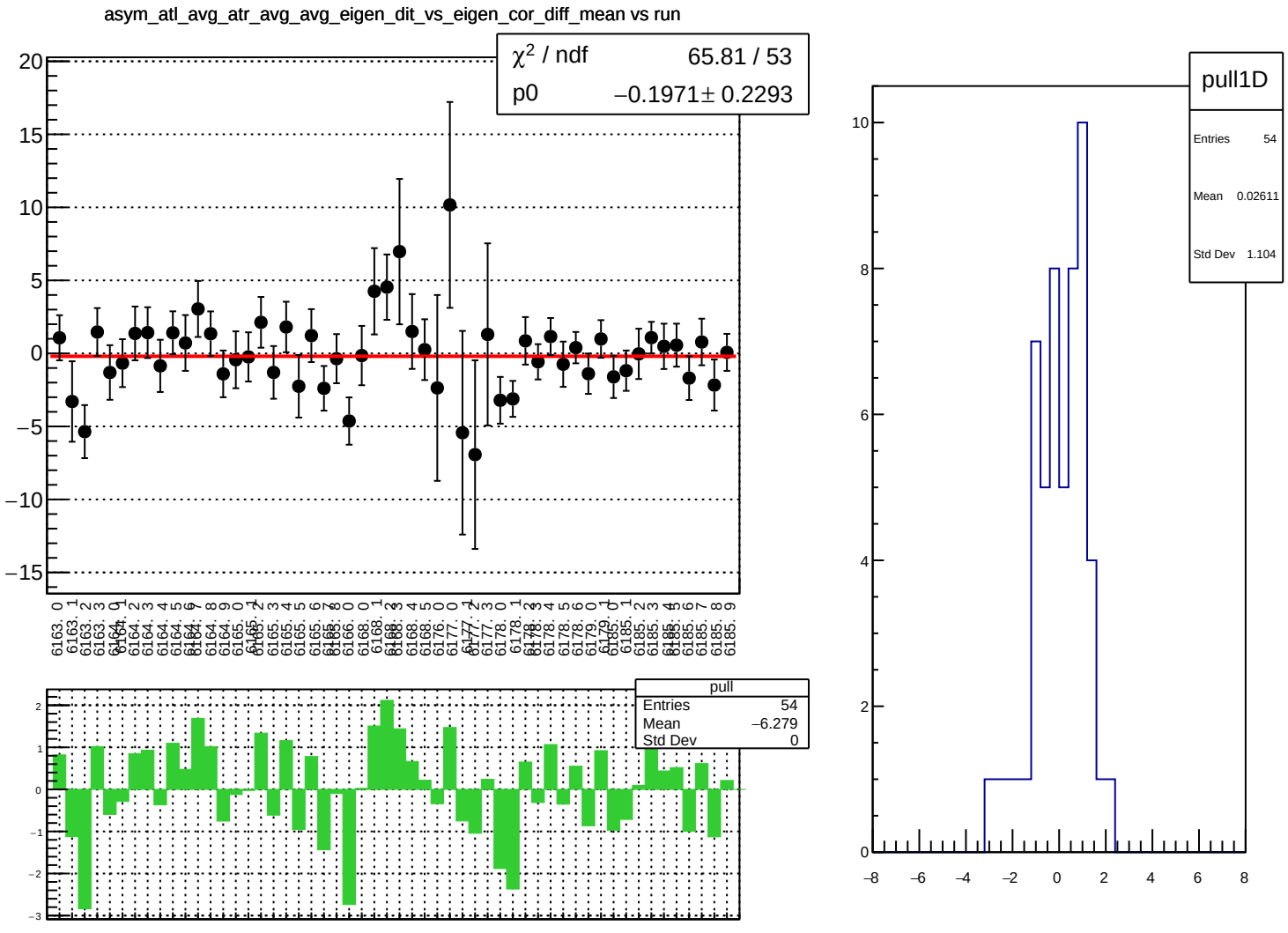

asym_atl_avg_atr_avg_avg_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 54.48 / 53
p0 5.475e−05 ± 3.022e−05
pull
Entries 54
Mean 2.831
Std Dev 0

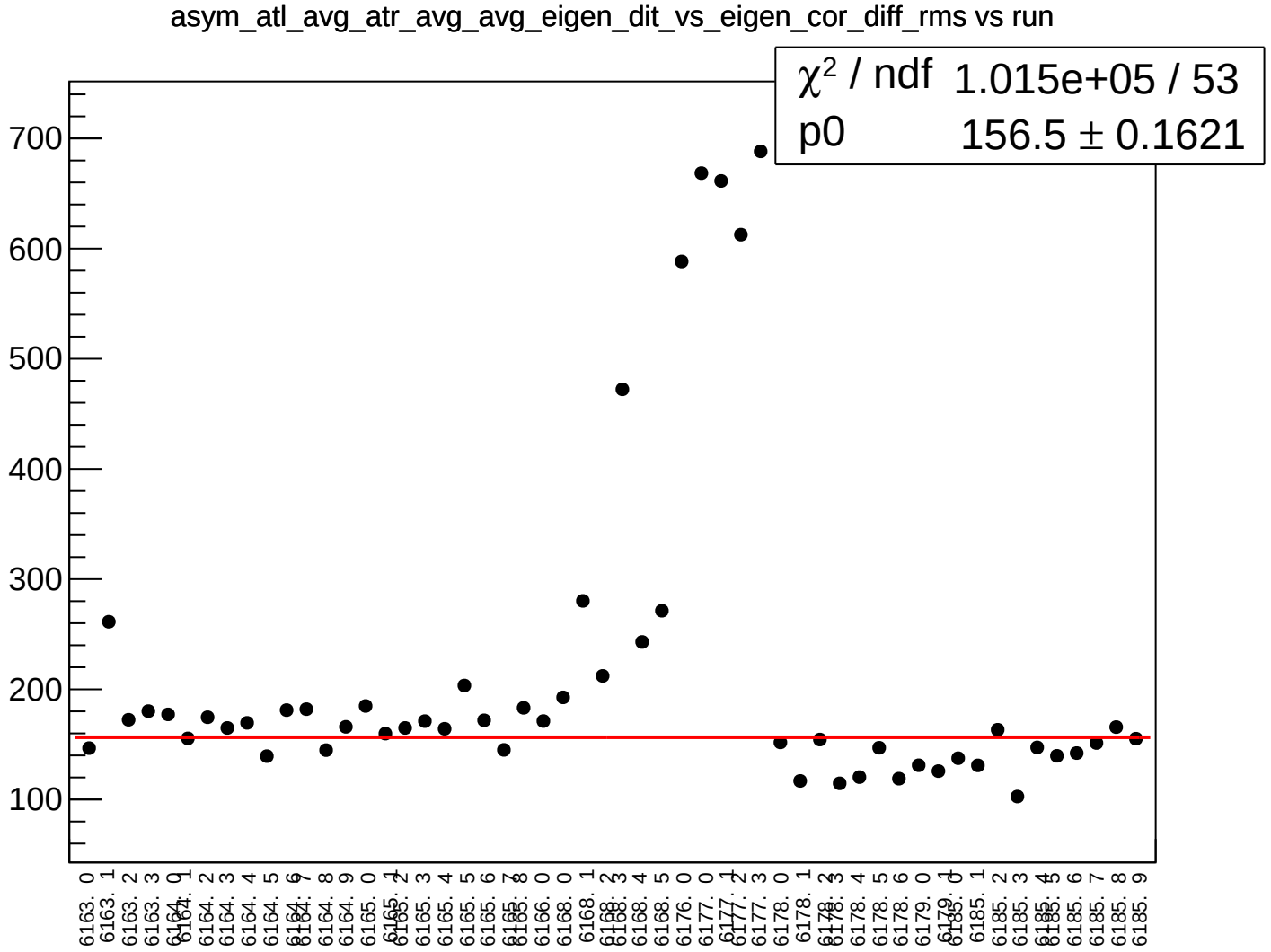

pull1D
Entries 54
Mean 0.02794
Std Dev 1.004

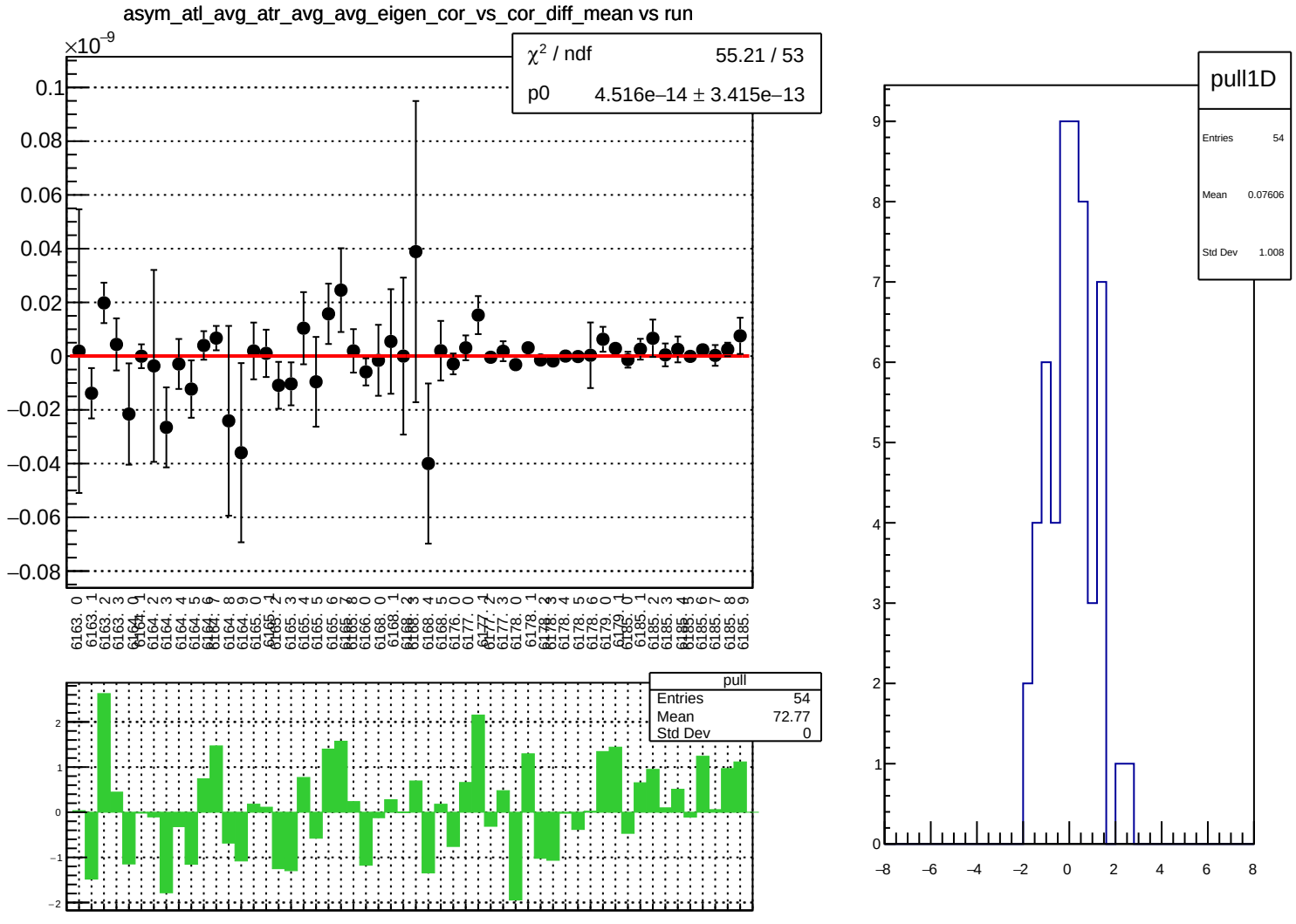

asym_atl_avg_atr_avg_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.706e+05 / 53
p0 0.01985 ± 2.137e–05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

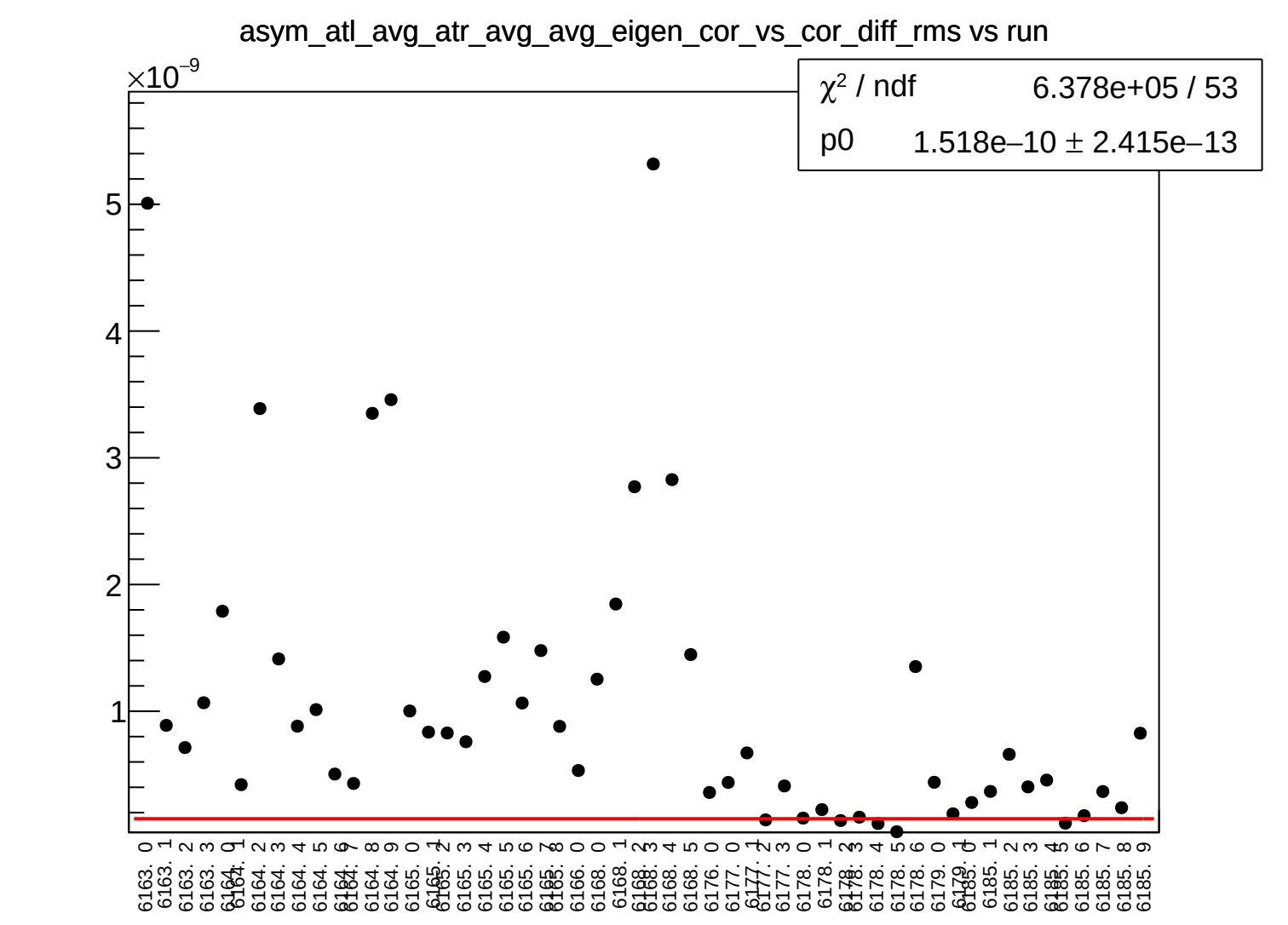

asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 65.81 / 53
p0 −0.1971± 0.2293
pull
Entries 54
Mean −6.279
Std Dev 0
pull1D
Entries 54
Mean 0.02611
Std Dev 1.104

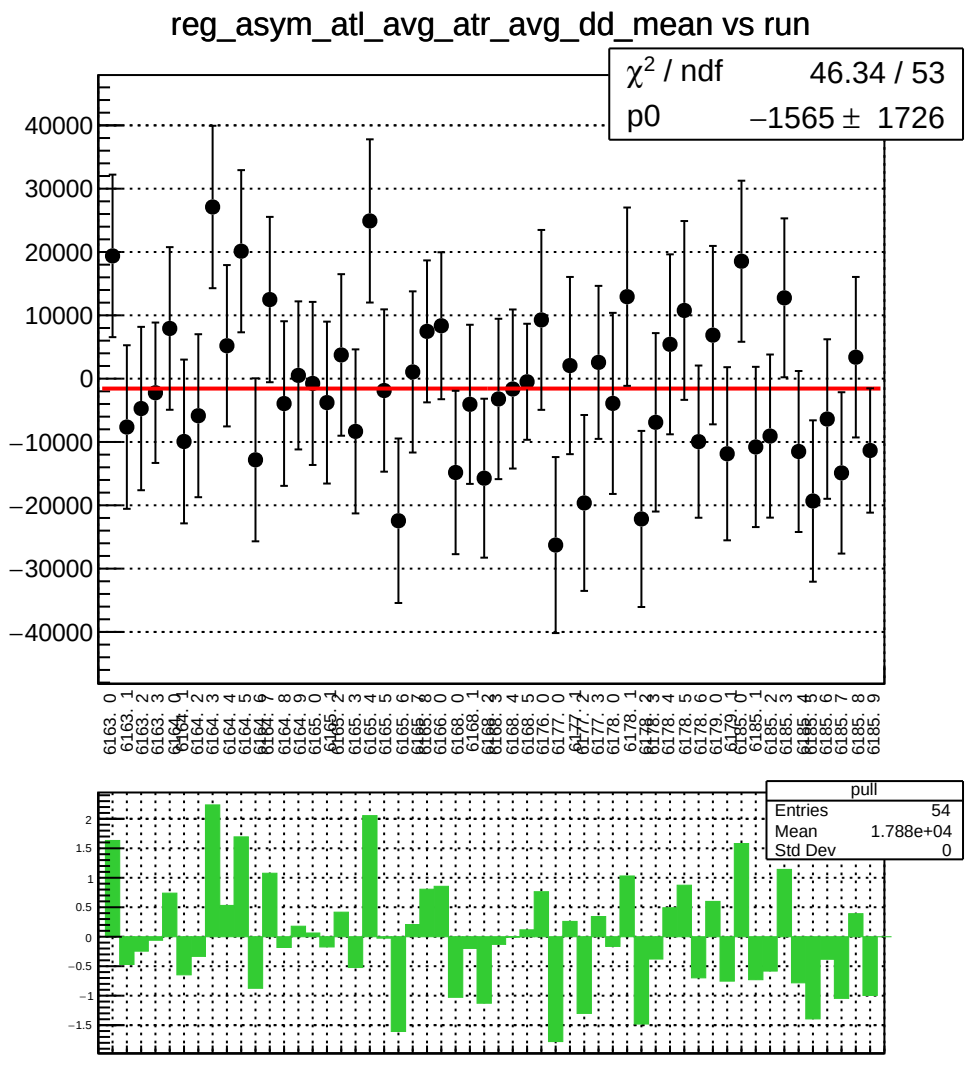

asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.015e+05 / 53
p0 156.5 ± 0.1621
700
600
500
400
300
200
100
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

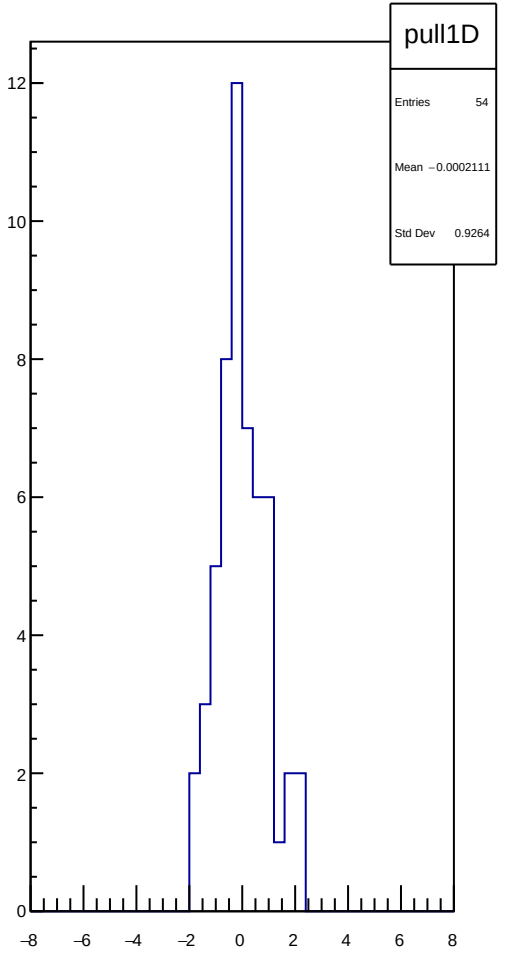

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 65.81 / 53
p0 −0.1971± 0.2293
pull
Entries 54
Mean −6.279
Std Dev 0
pull1D
Entries 54
Mean 0.02611
Std Dev 1.104

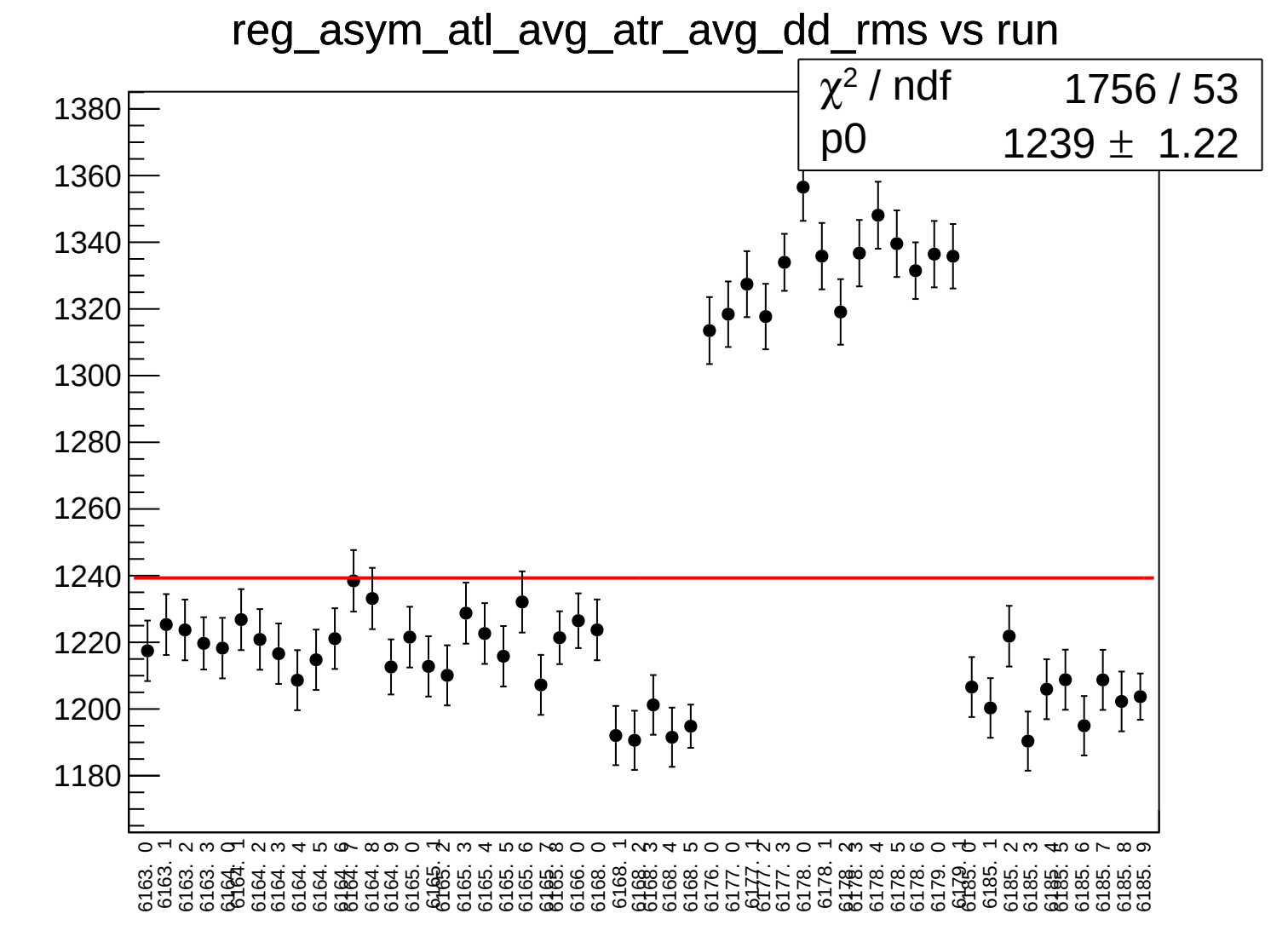

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.015e+05 / 53
p0 156.5 ± 0.1621
700
600
500
400
300
200
100
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

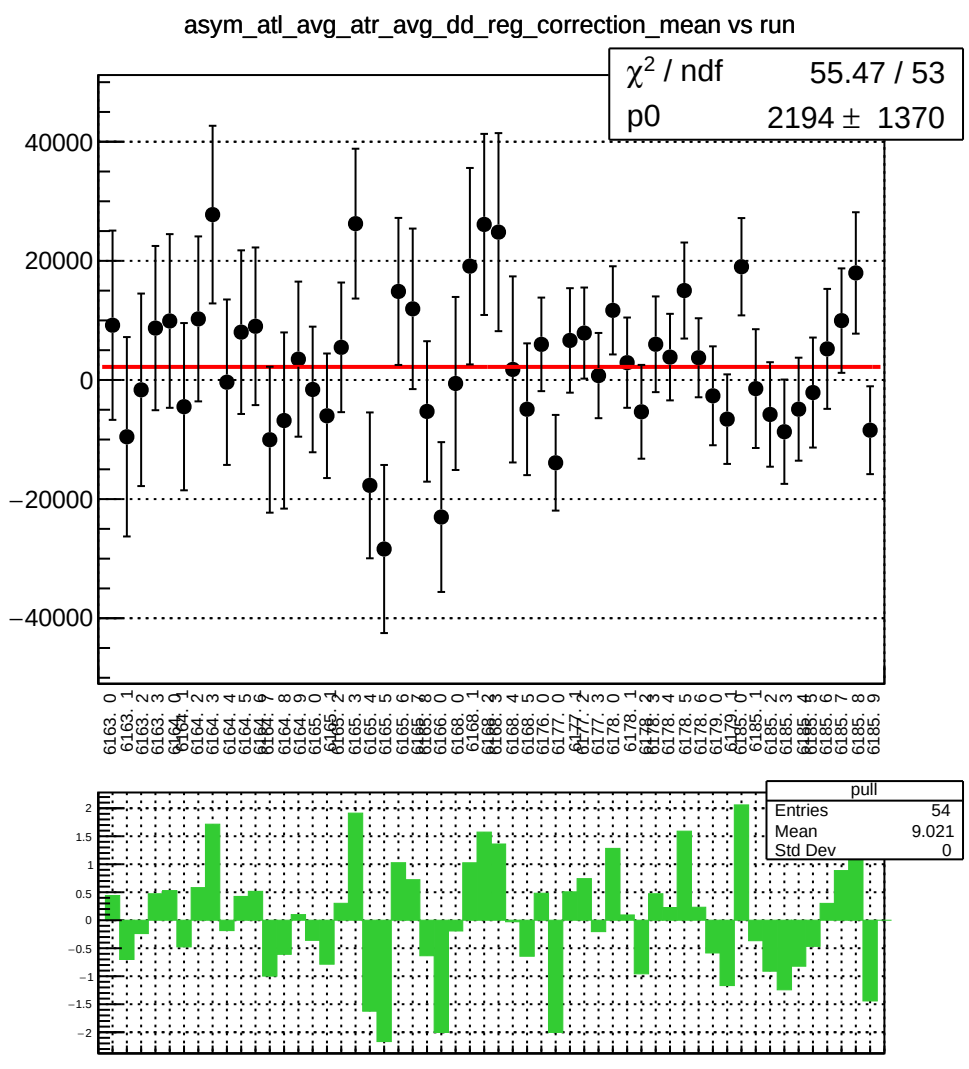

asym_atl_avg_atr_avg_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻⁹
χ² / ndf 55.21 / 53
p0 4.516e−14 ± 3.415e−13
pull
Entries 54
Mean 72.77
Std Dev 0
pull1D
Entries 54
Mean 0.07606
Std Dev 1.008

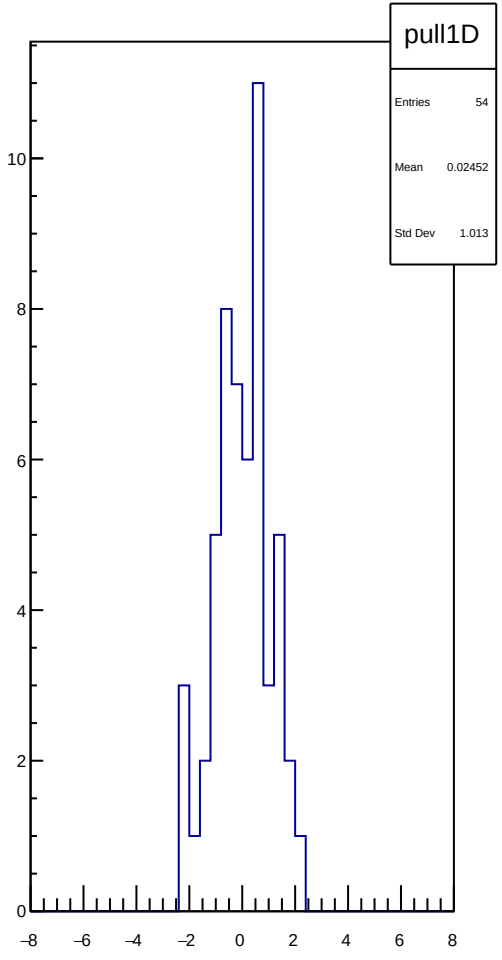

asym_atl_avg_atr_avg_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.378e+05 / 53
p0 1.518e−10 ± 2.415e−13
5
4
3
2
1
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

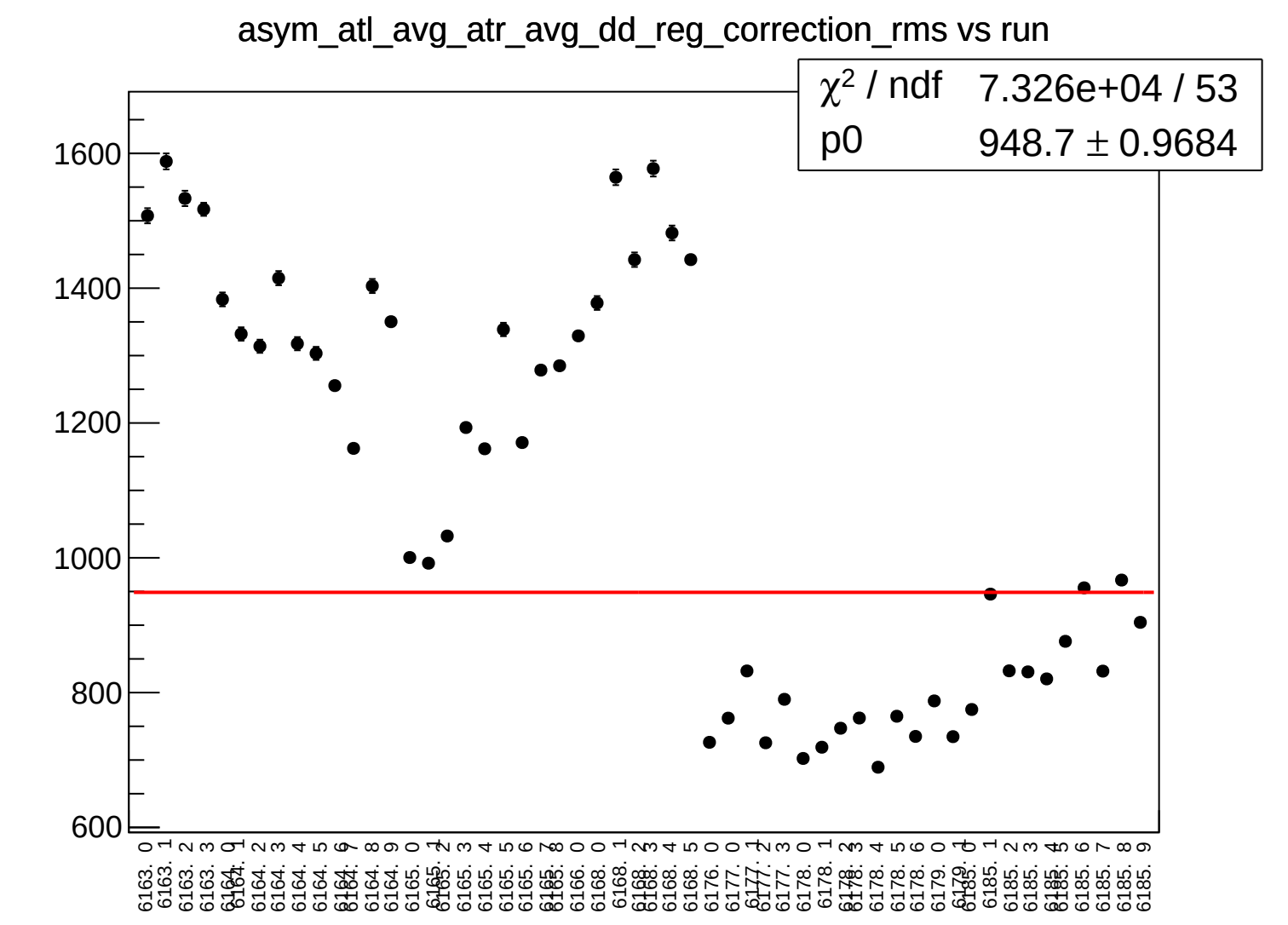

reg_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 46.34 / 53
p0 −1565 ± 1726
pull
Entries 54
Mean 1.788e+04
Std Dev 0


pull1D
Entries 54
Mean −0.0002111
Std Dev 0.9264


reg_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 1756 / 53
p0 1239 ± 1.22
1380
1360
1340
1320
1300
1280
1260
1240
1220
1200
1180
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


asym_atl_avg_atr_avg_dd_reg_correction_mean vs run
χ² / ndf 55.47 / 53
p0 2194 ± 1370
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 9.021
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 54
Mean 0.02452
Std Dev 1.013
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl_avg_atr_avg_dd_reg_correction_rms vs run
χ² / ndf 7.326e+04 / 53
p0 948.7 ± 0.9684
1600
1400
1200
1000
800
600
6163. 0
6163. 1
6163. 2
6163. 3
6163. 4
6163. 5
6163. 6
6163. 7
6163. 8
6163. 9
6164. 0
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 6
6164. 7
6164. 8
6164. 9
6165. 0
6165. 1
6165. 2
6165. 3
6165. 4
6165. 5
6165. 6
6165. 7
6165. 8
6165. 9
6166. 0
6168. 0
6168. 1
6168. 2
6168. 3
6168. 4
6168. 5
6176. 0
6177. 0
6177. 1
6177. 2
6177. 3
6178. 0
6178. 1
6178. 2
6178. 3
6178. 4
6178. 5
6178. 6
6179. 0
6179. 1
6185. 0
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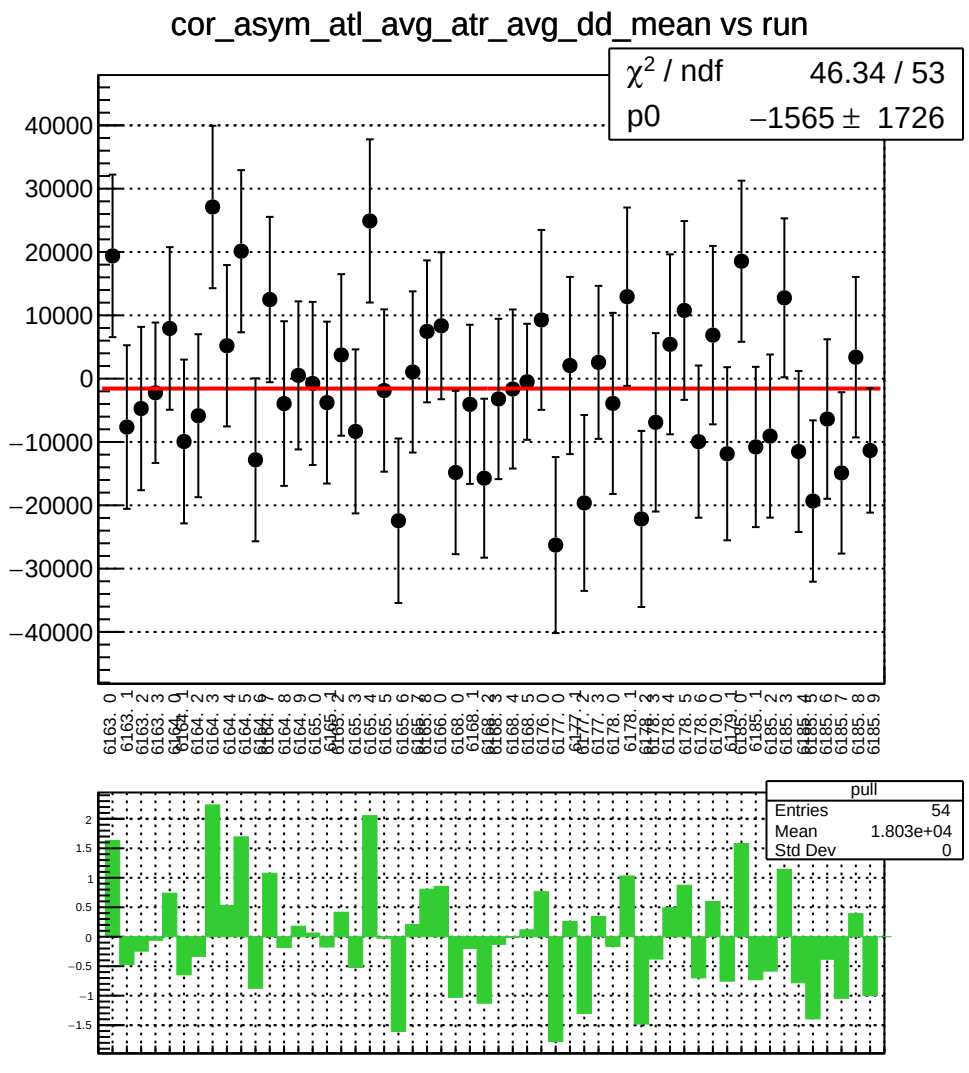
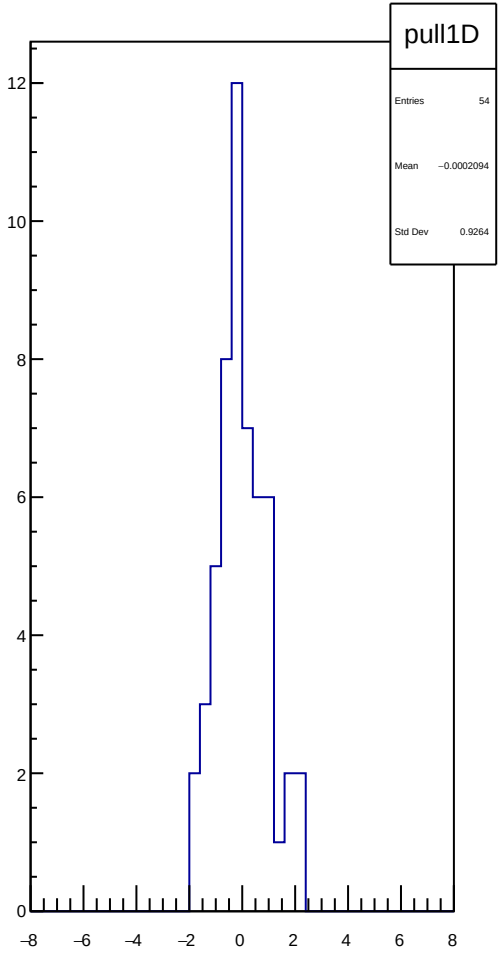
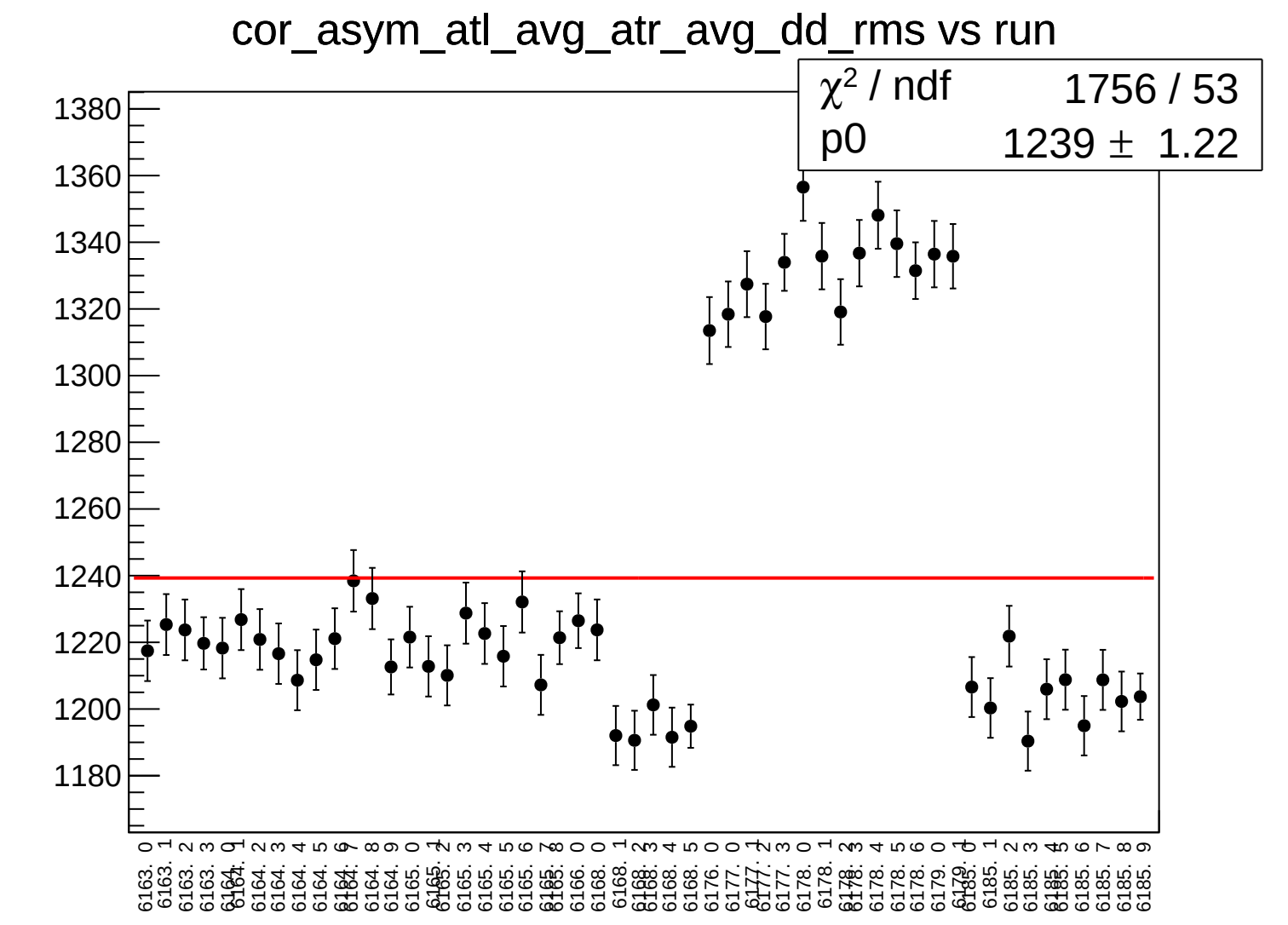
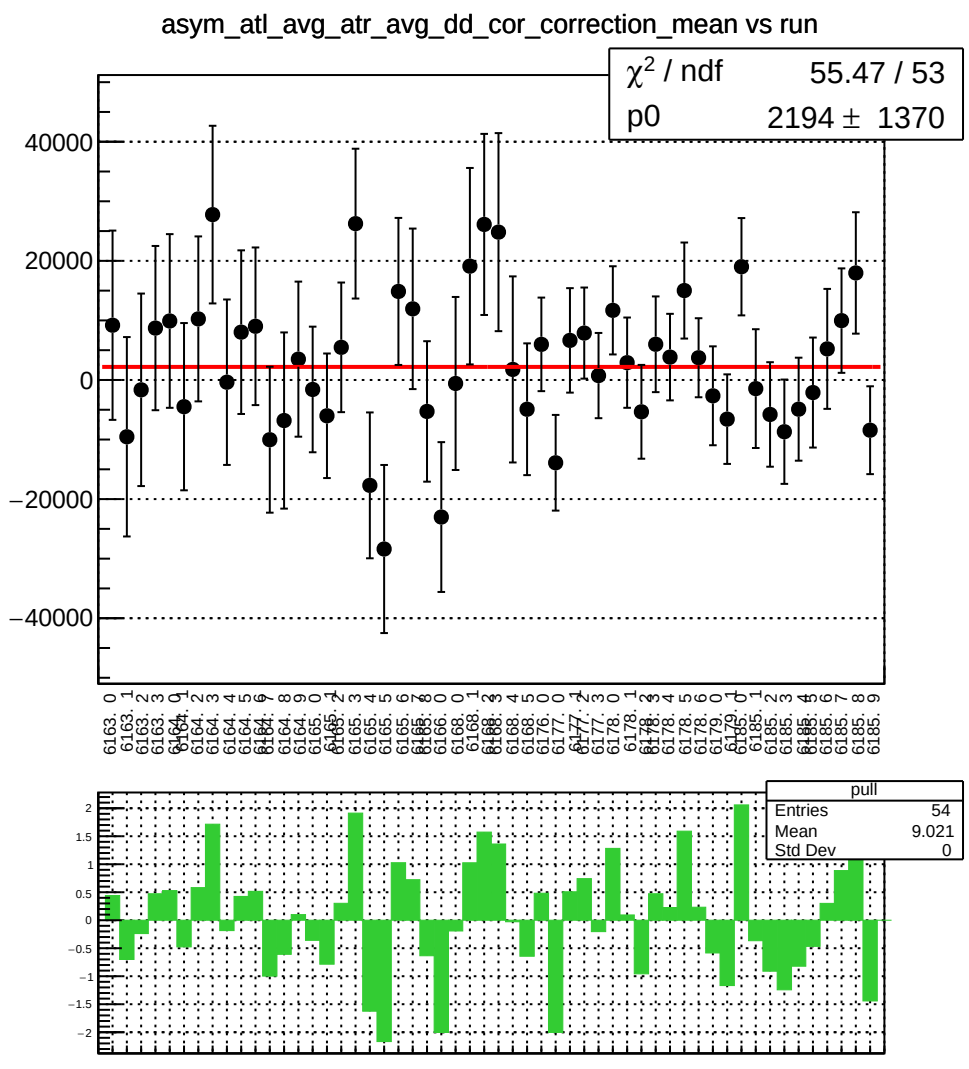
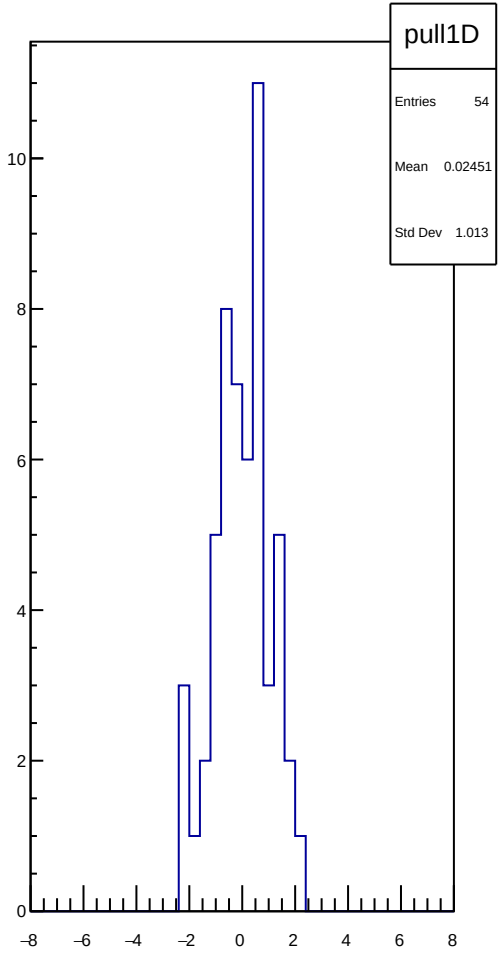
6185. 2
6185. 3
6185. 4
6185. 5
6185. 6
6185. 7
6185. 8
6185. 9


cor_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 46.34 / 53
p0 −1565 ± 1726
pull
Entries 54
Mean 1.803e+04
Std Dev 0


pull1D
Entries 54
Mean −0.0002094
Std Dev 0.9264


cor_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 1756 / 53
p0 1239 ± 1.22
1380
1360
1340
1320
1300
1280
1260
1240
1220
1200
1180
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


asym_atl_avg_atr_avg_dd_cor_correction_mean vs run
χ² / ndf 55.47 / 53
p0 2194 ± 1370
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 9.021
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 54
Mean 0.02451
Std Dev 1.013
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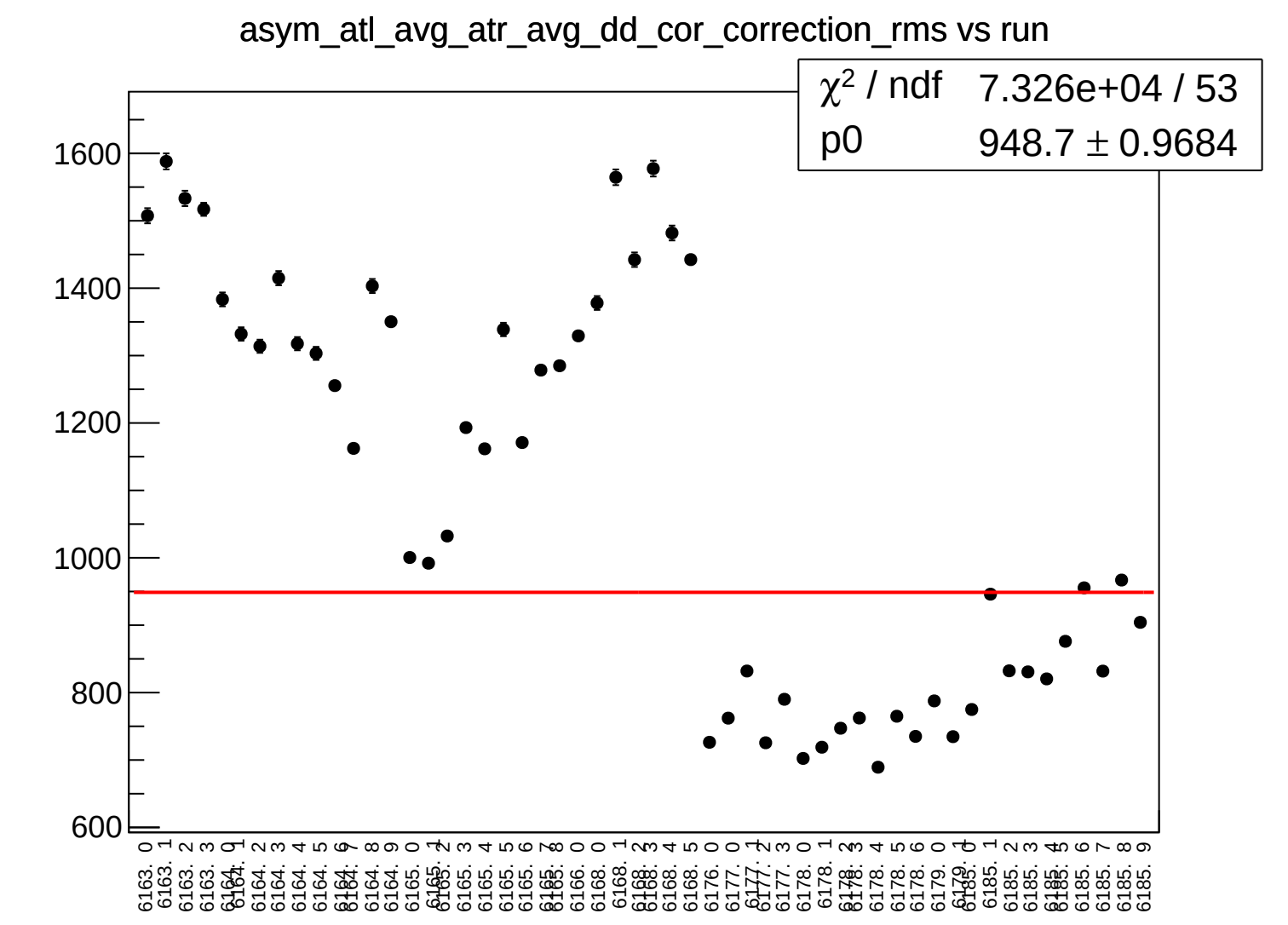
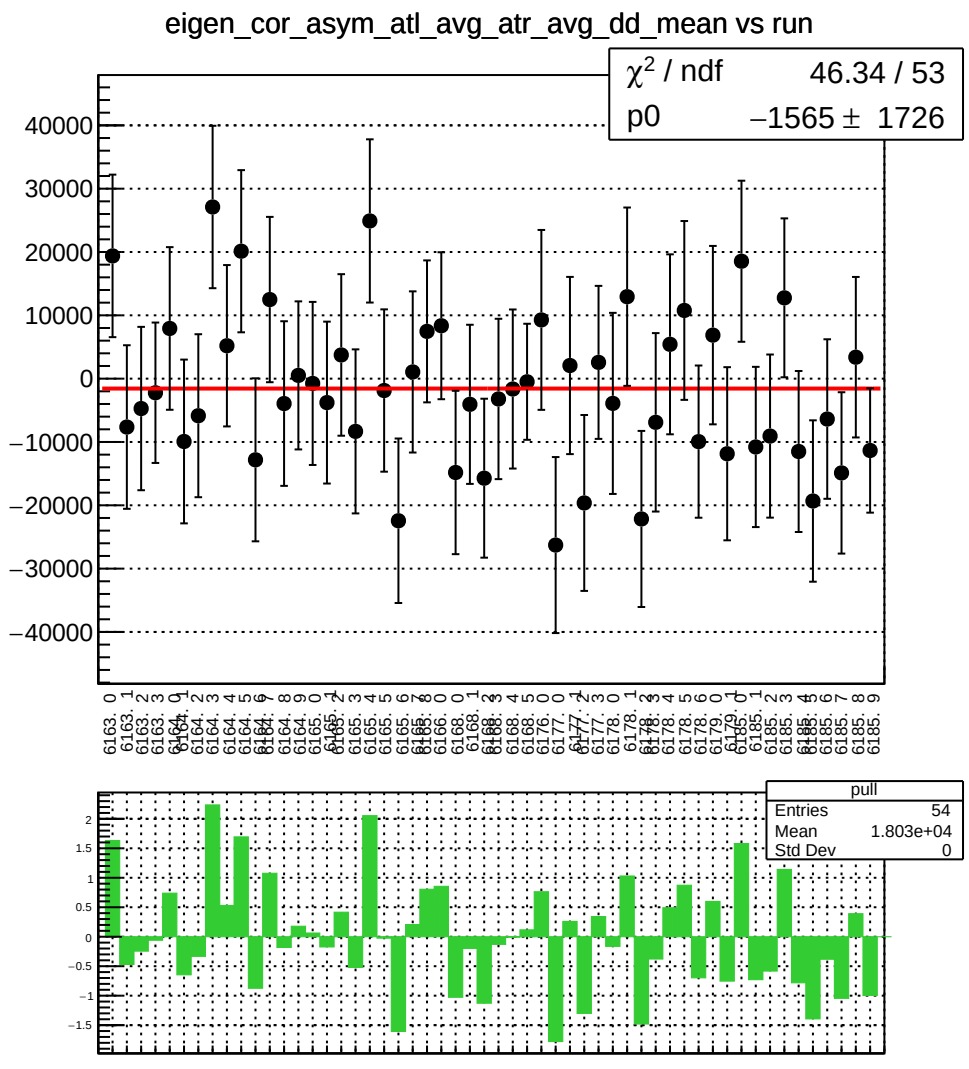
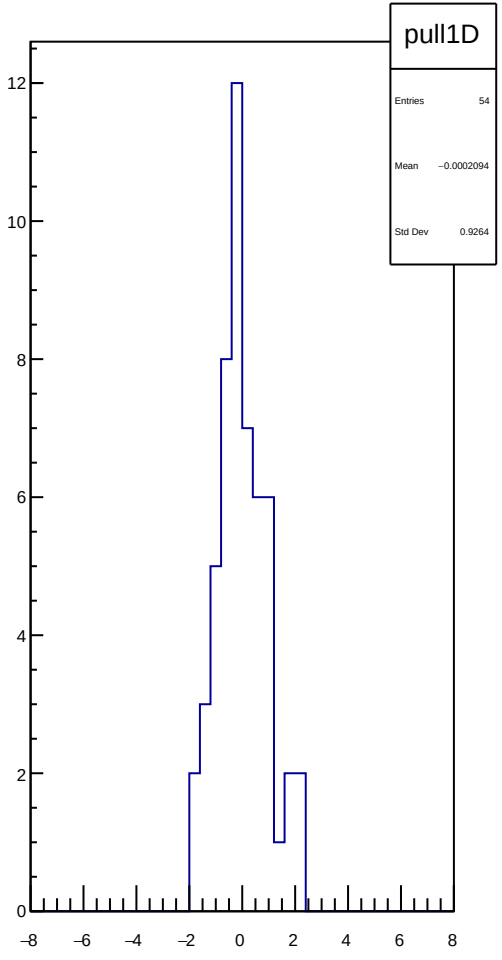
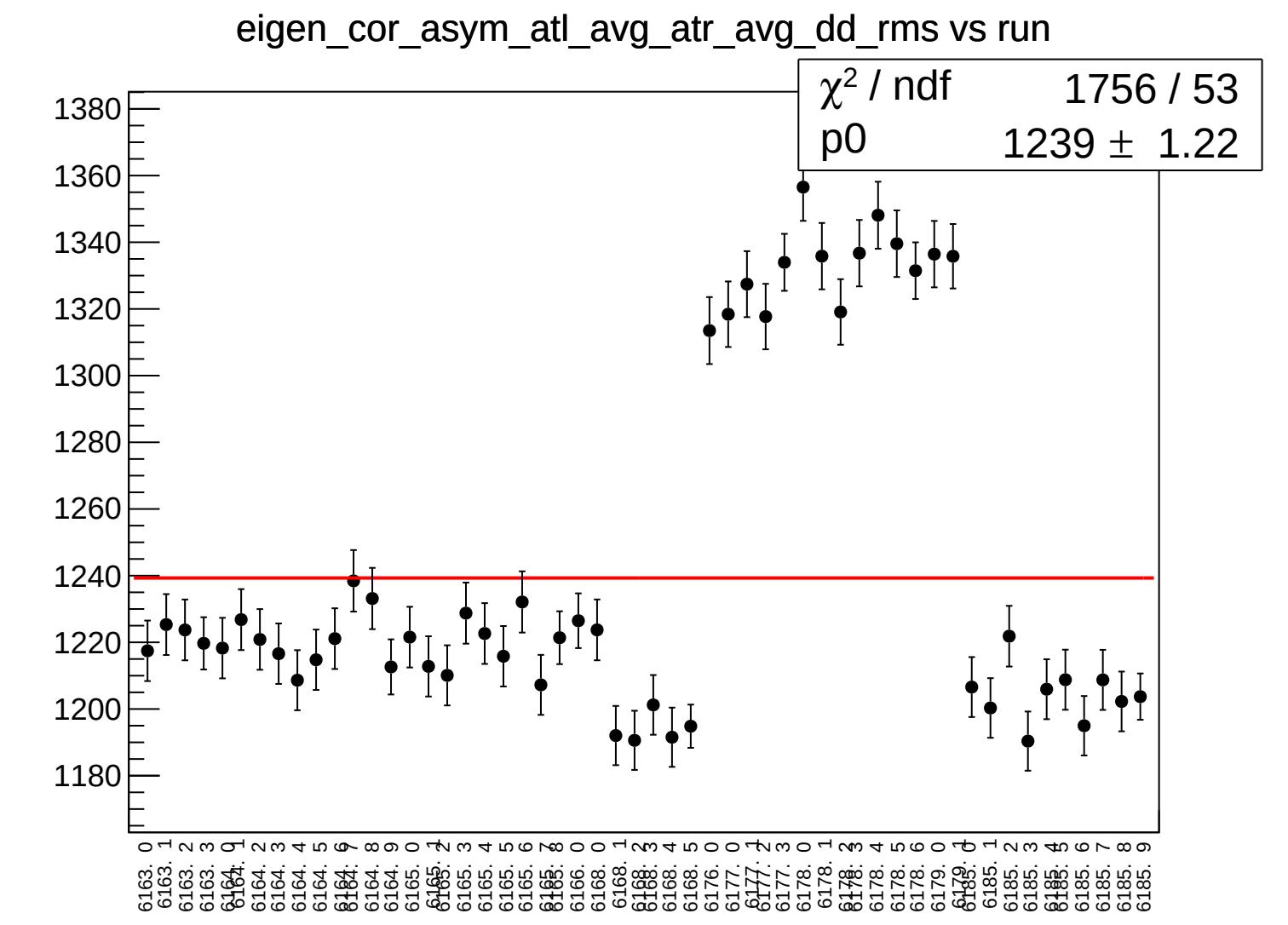
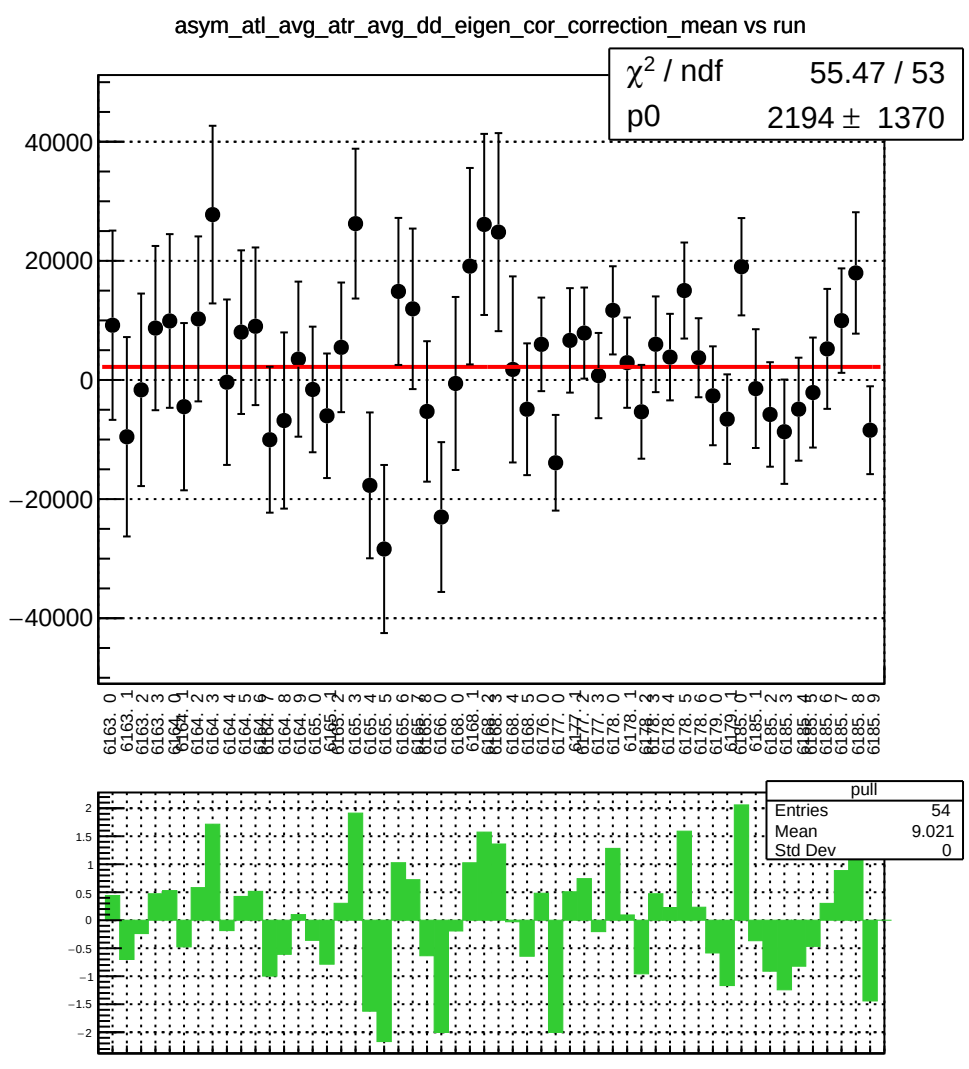
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

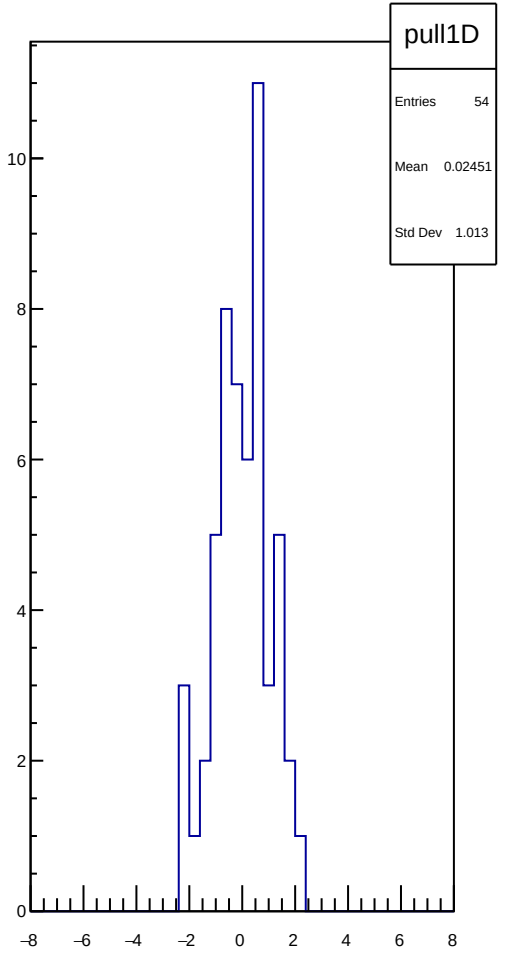

asym_atl_avg_atr_avg_dd_cor_correction_rms vs run
χ² / ndf 7.326e+04 / 53
p0 948.7 ± 0.9684
1600
1400
1200
1000
800
600
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


eigen_cor_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 46.34 / 53
p0 −1565 ± 1726
pull
Entries 54
Mean 1.803e+04
Std Dev 0


pull1D
Entries 54
Mean −0.0002094
Std Dev 0.9264


eigen_cor_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 1756 / 53
p0 1239 ± 1.22
1380
1360
1340
1320
1300
1280
1260
1240
1220
1200
1180
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


asym_atl_avg_atr_avg_dd_eigen_cor_correction_mean vs run
χ² / ndf 55.47 / 53
p0 2194 ± 1370
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 9.021
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 54
Mean 0.02451
Std Dev 1.013
10
8
6
4
2
0
−8
−6
−4
−2
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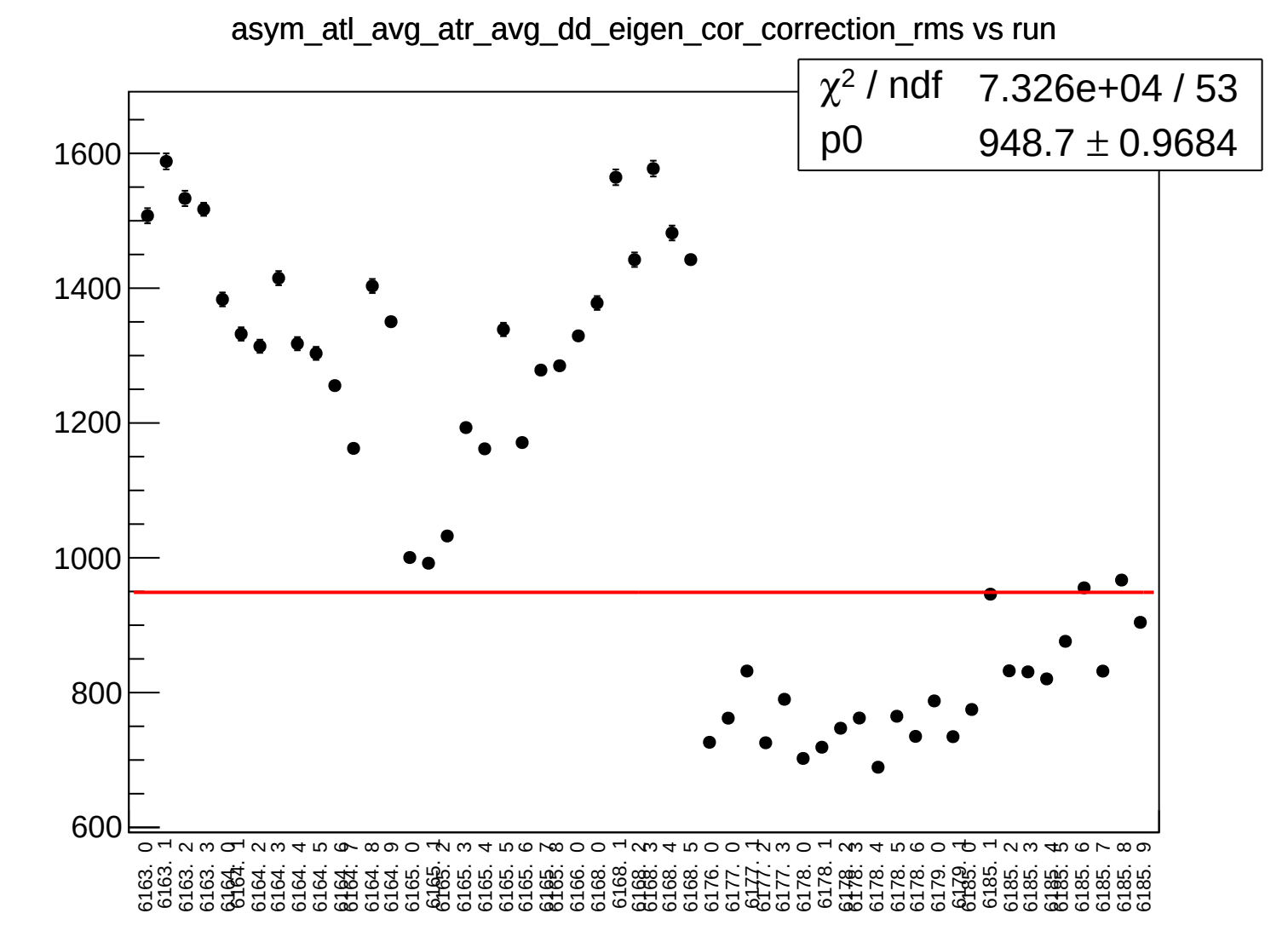
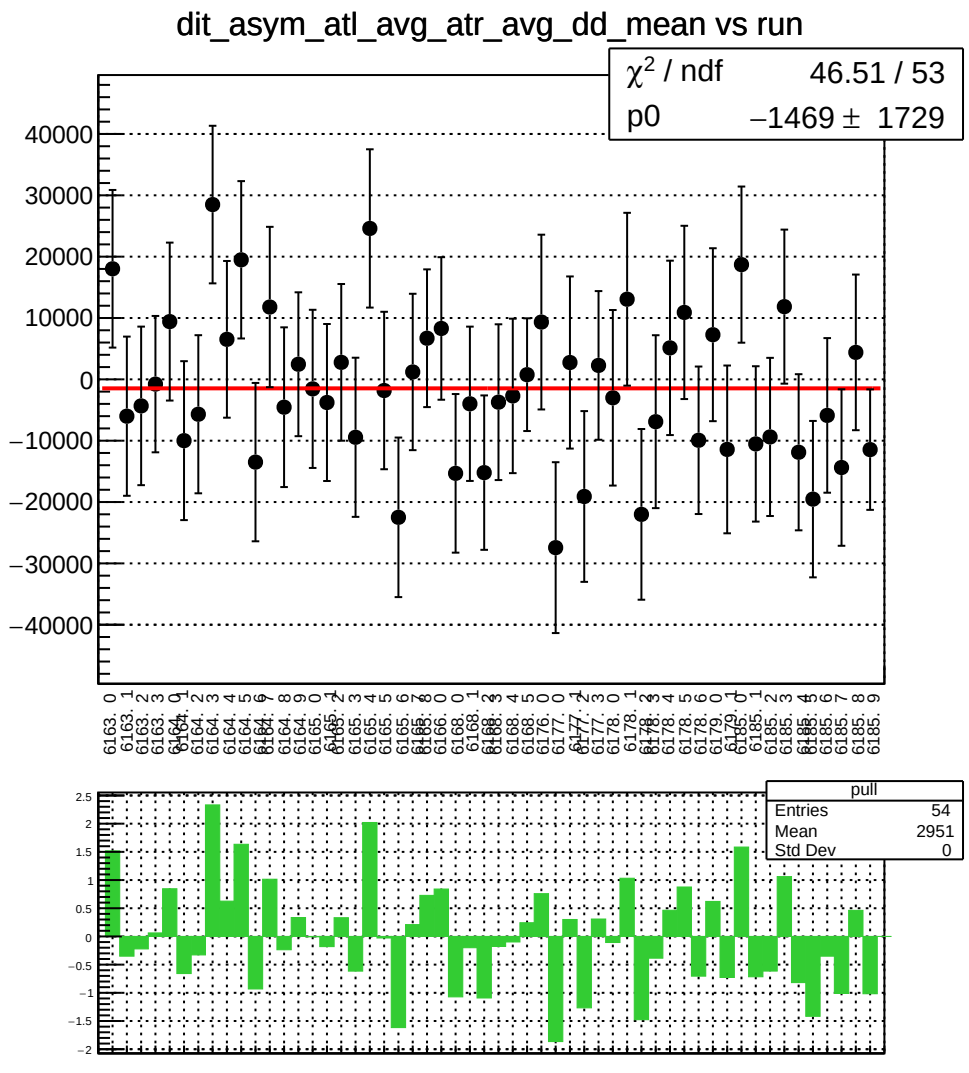
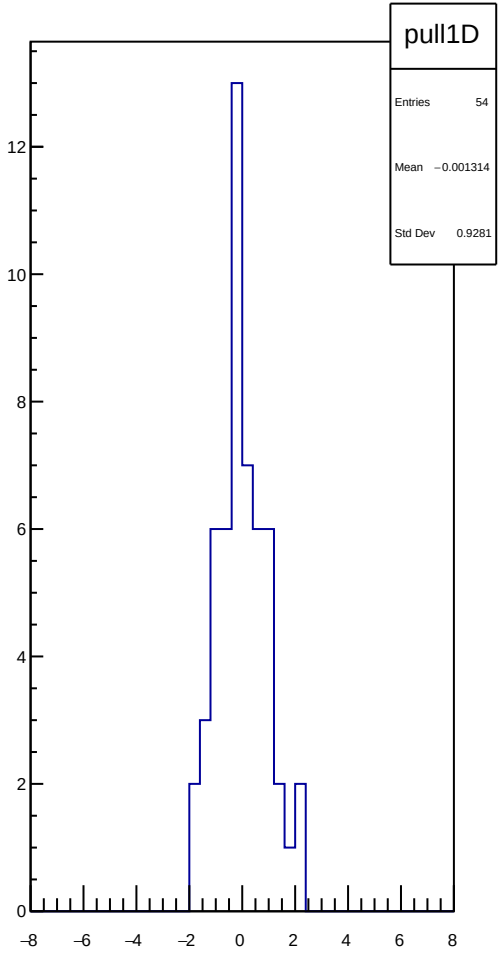
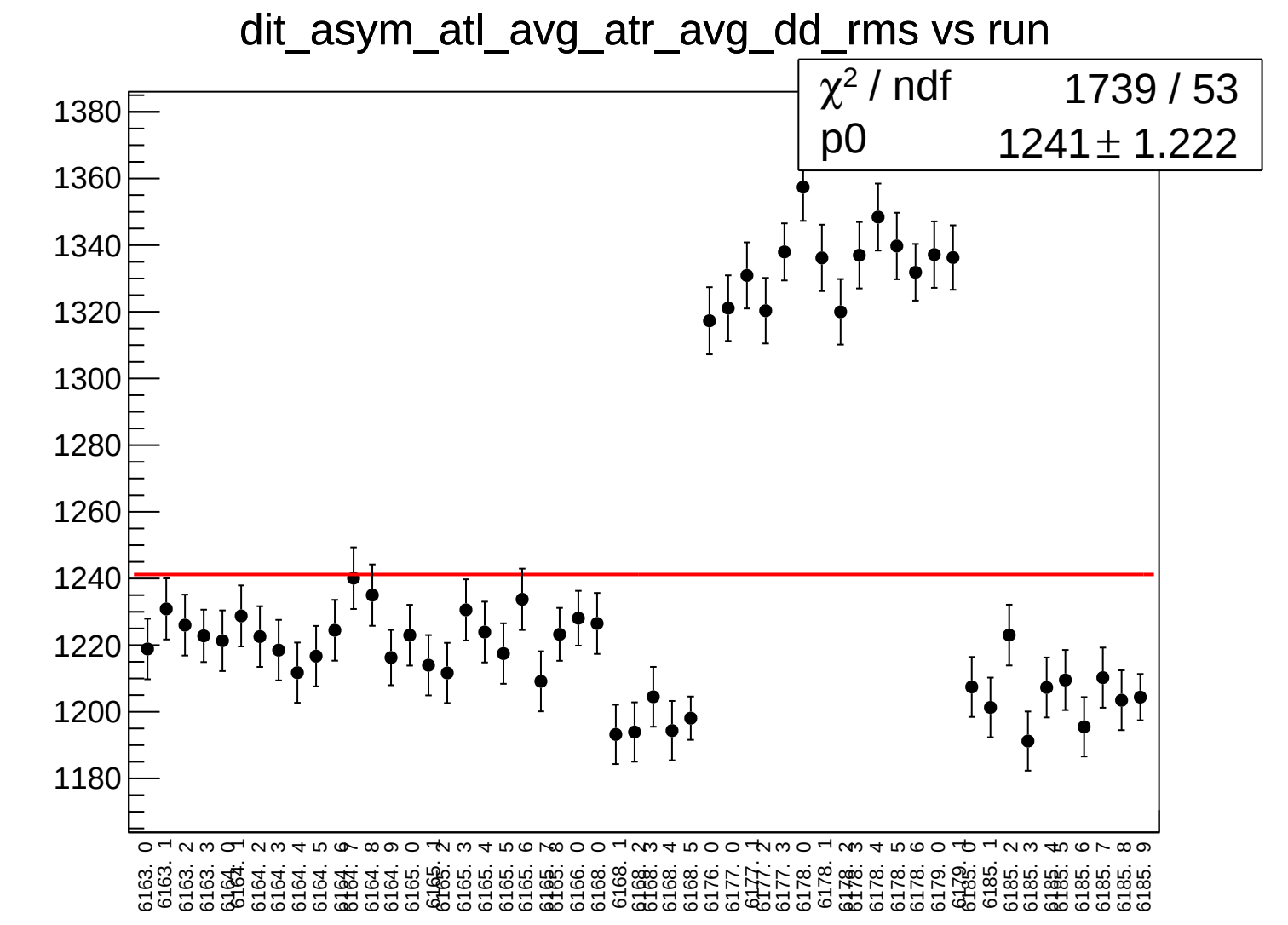
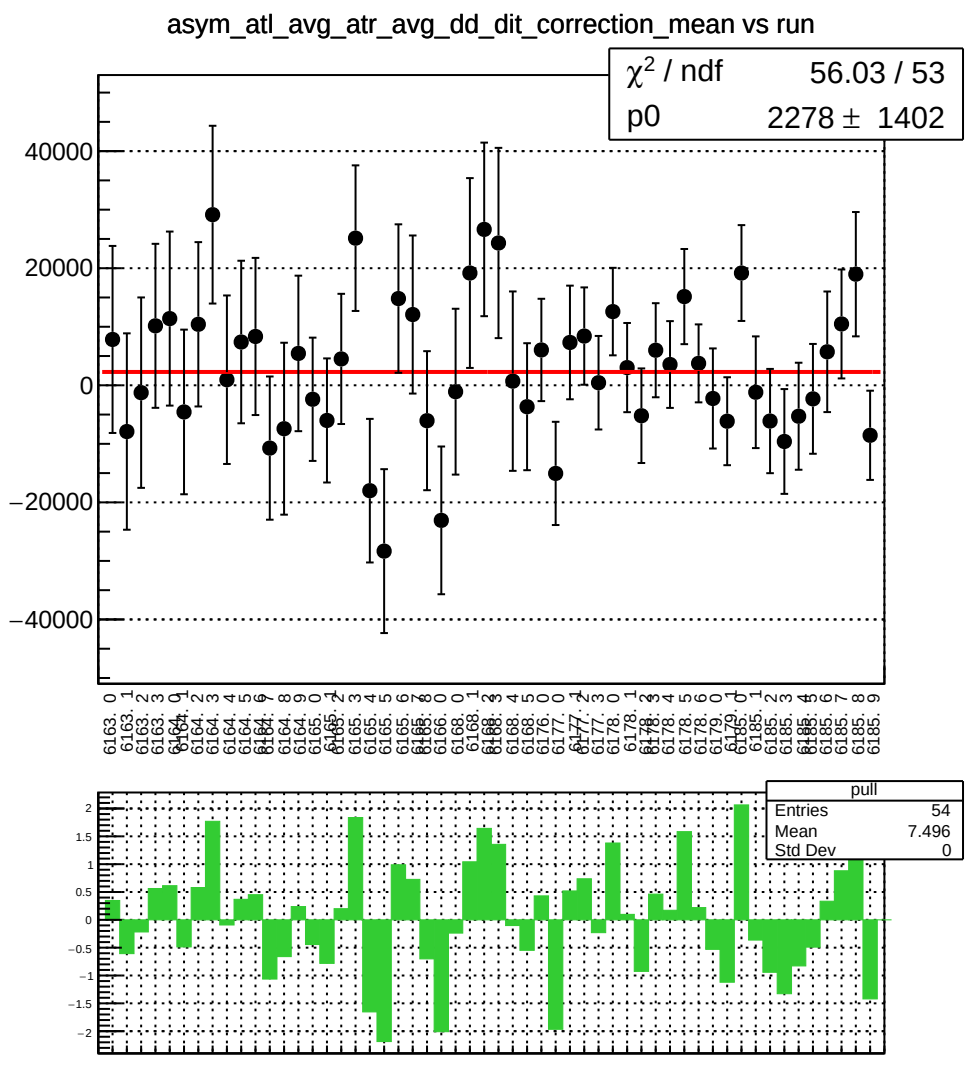
2
4
6
8

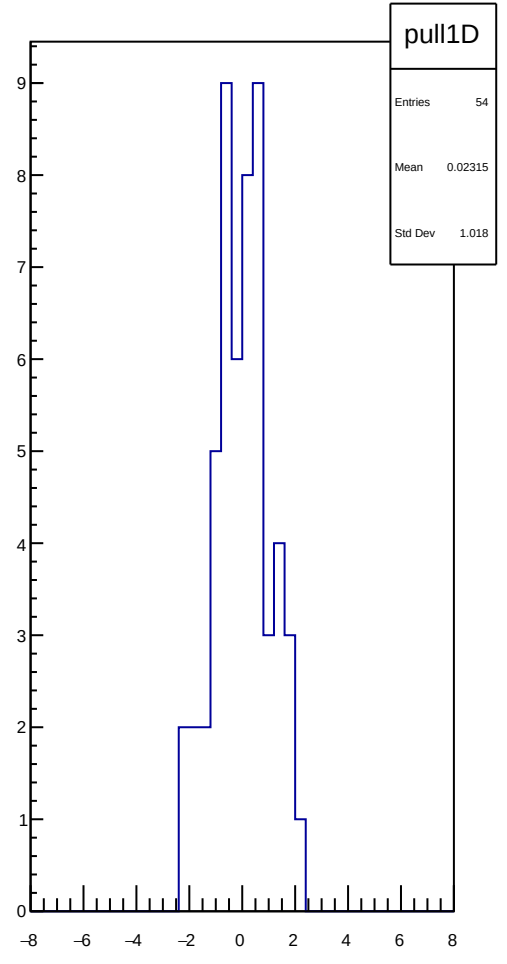

asym_atl_avg_atr_avg_dd_eigen_cor_correction_rms vs run
χ² / ndf 7.326e+04 / 53
p0 948.7 ± 0.9684
1600
1400
1200
1000
800
600
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

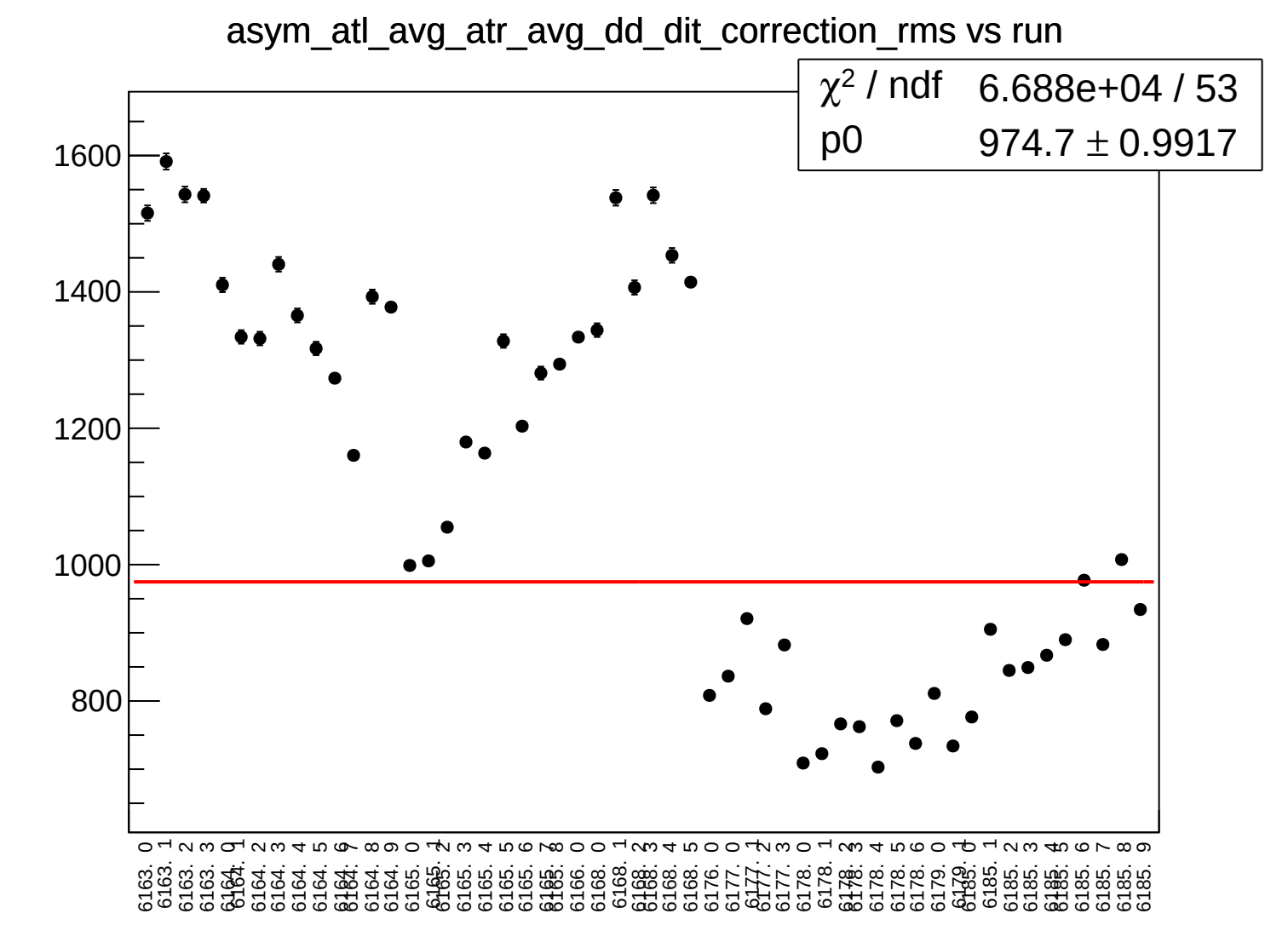

dit_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 46.51 / 53
p0 −1469 ± 1729
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 54
Mean 2951
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 54
Mean −0.001314
Std Dev 0.9281
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 1739 / 53
p0 1241 ± 1.222
1380
1360
1340
1320
1300
1280
1260
1240
1220
1200
1180
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


asym_atl_avg_atr_avg_dd_dit_correction_mean vs run
χ² / ndf 56.03 / 53
p0 2278 ± 1402
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 7.496
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 54
Mean 0.02315
Std Dev 1.018
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl_avg_atr_avg_dd_dit_correction_rms vs run
χ² / ndf 6.688e+04 / 53
p0 974.7 ± 0.9917
1600
1400
1200
1000
800
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
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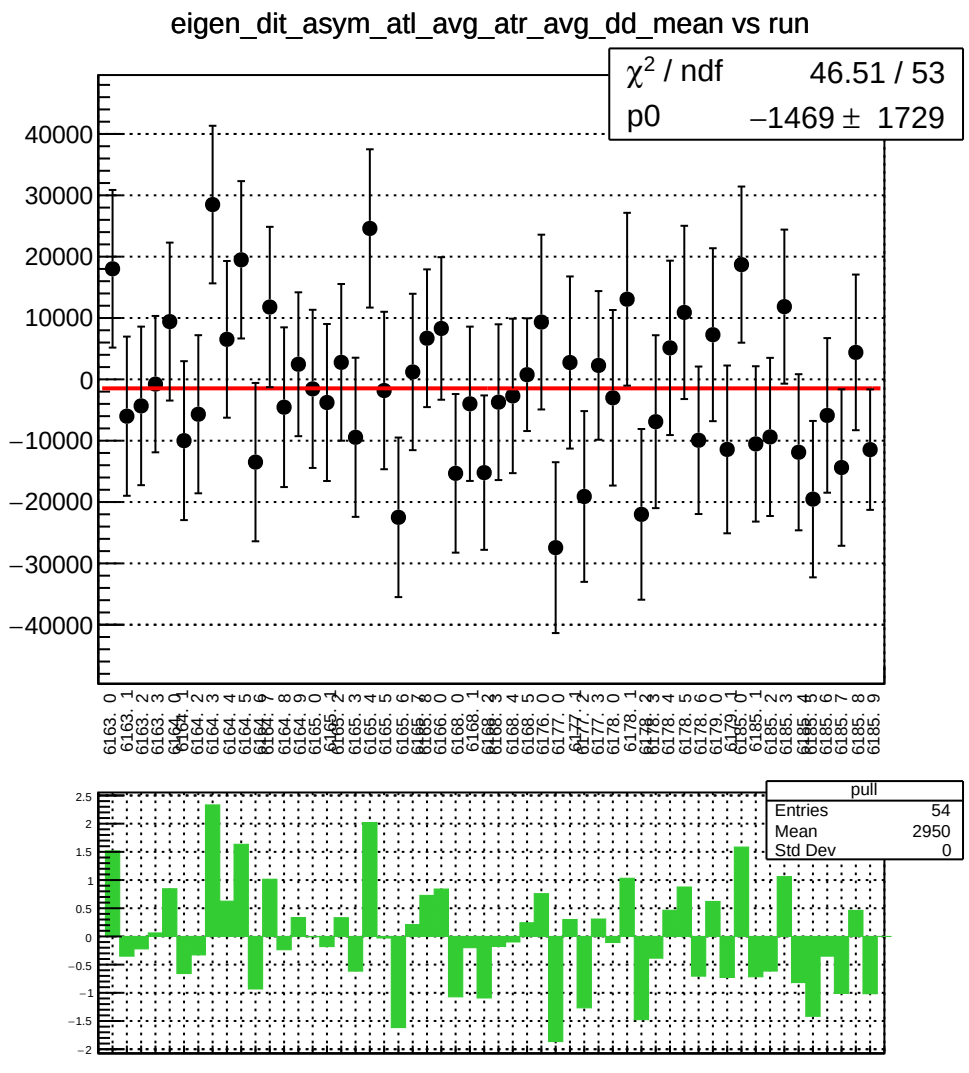
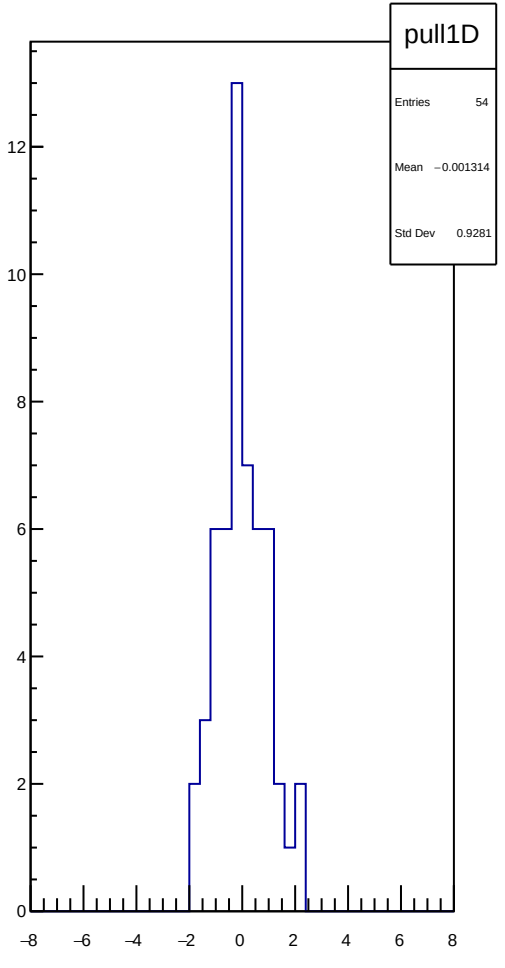
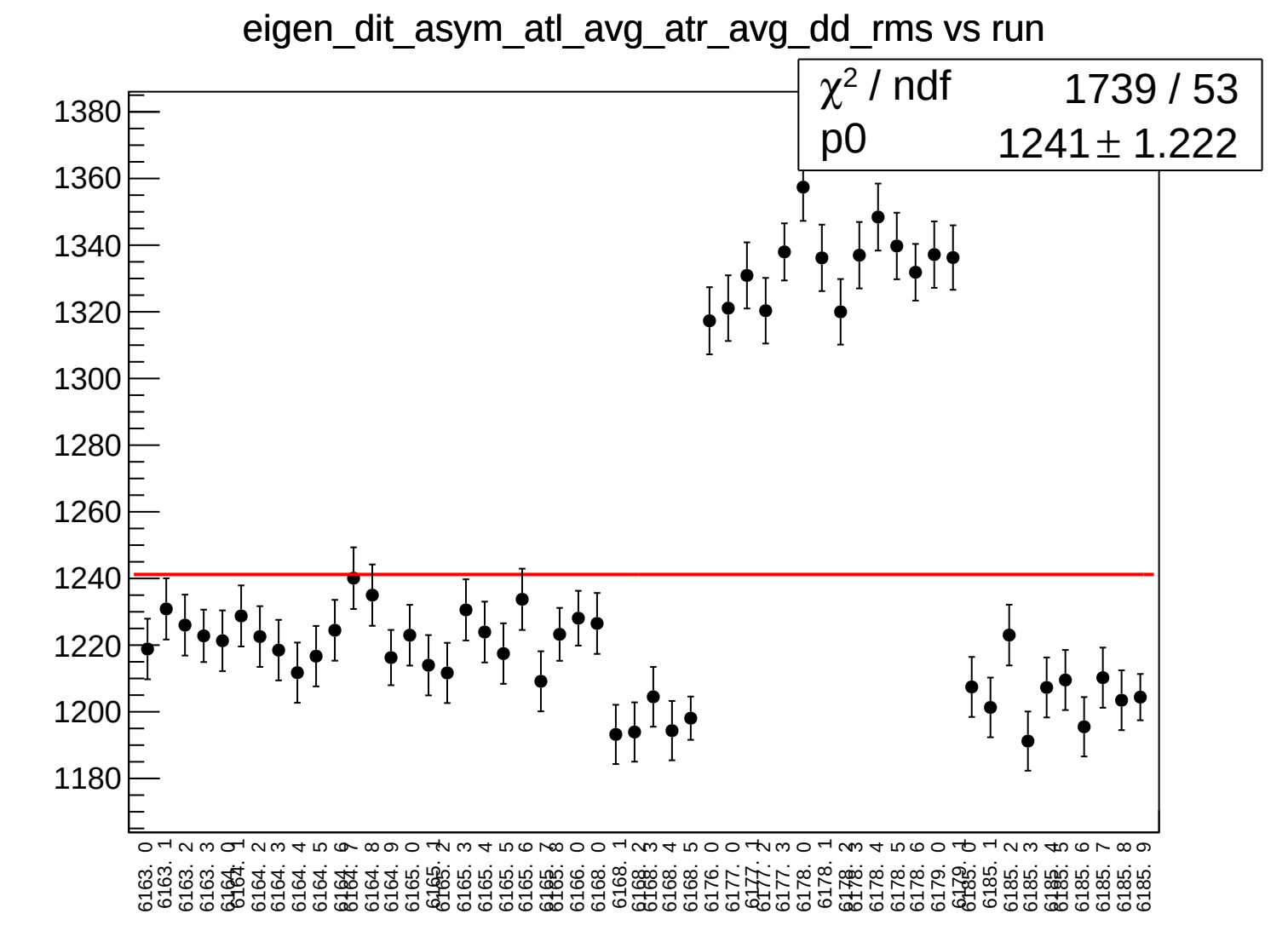
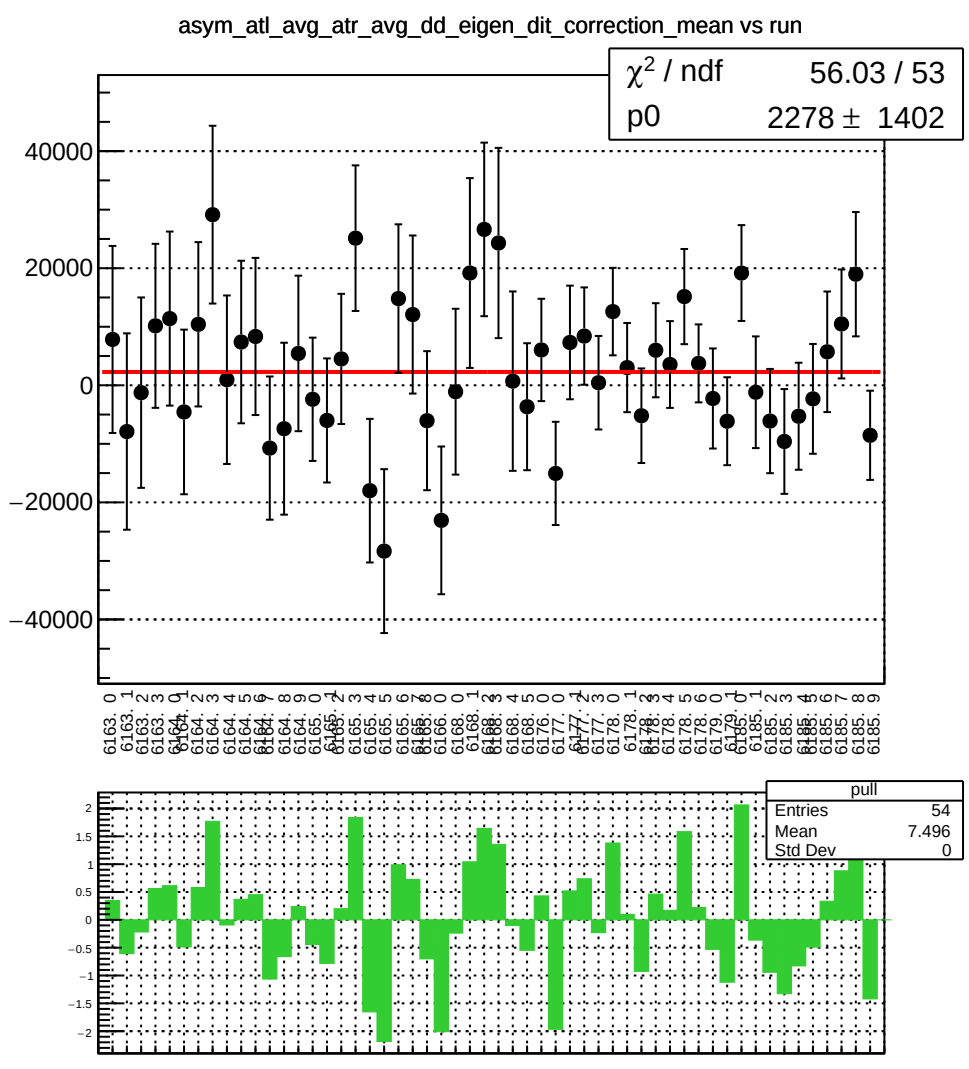
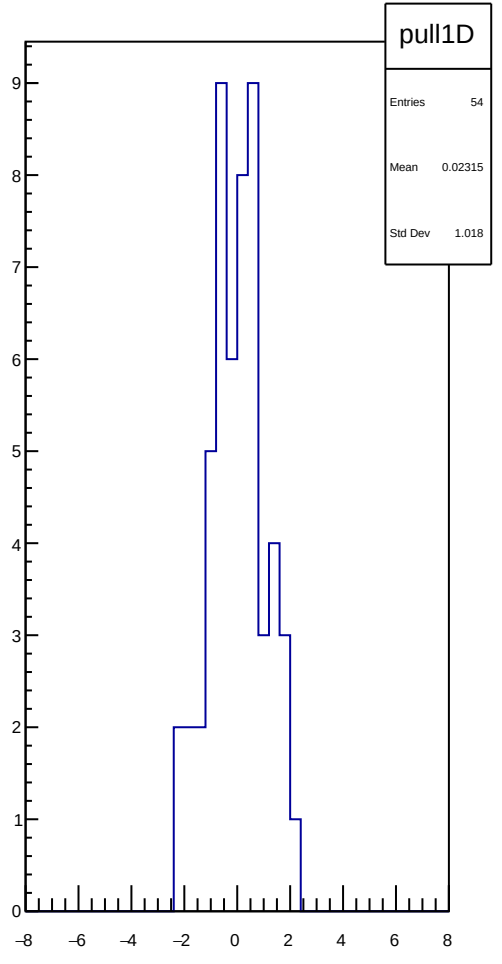
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

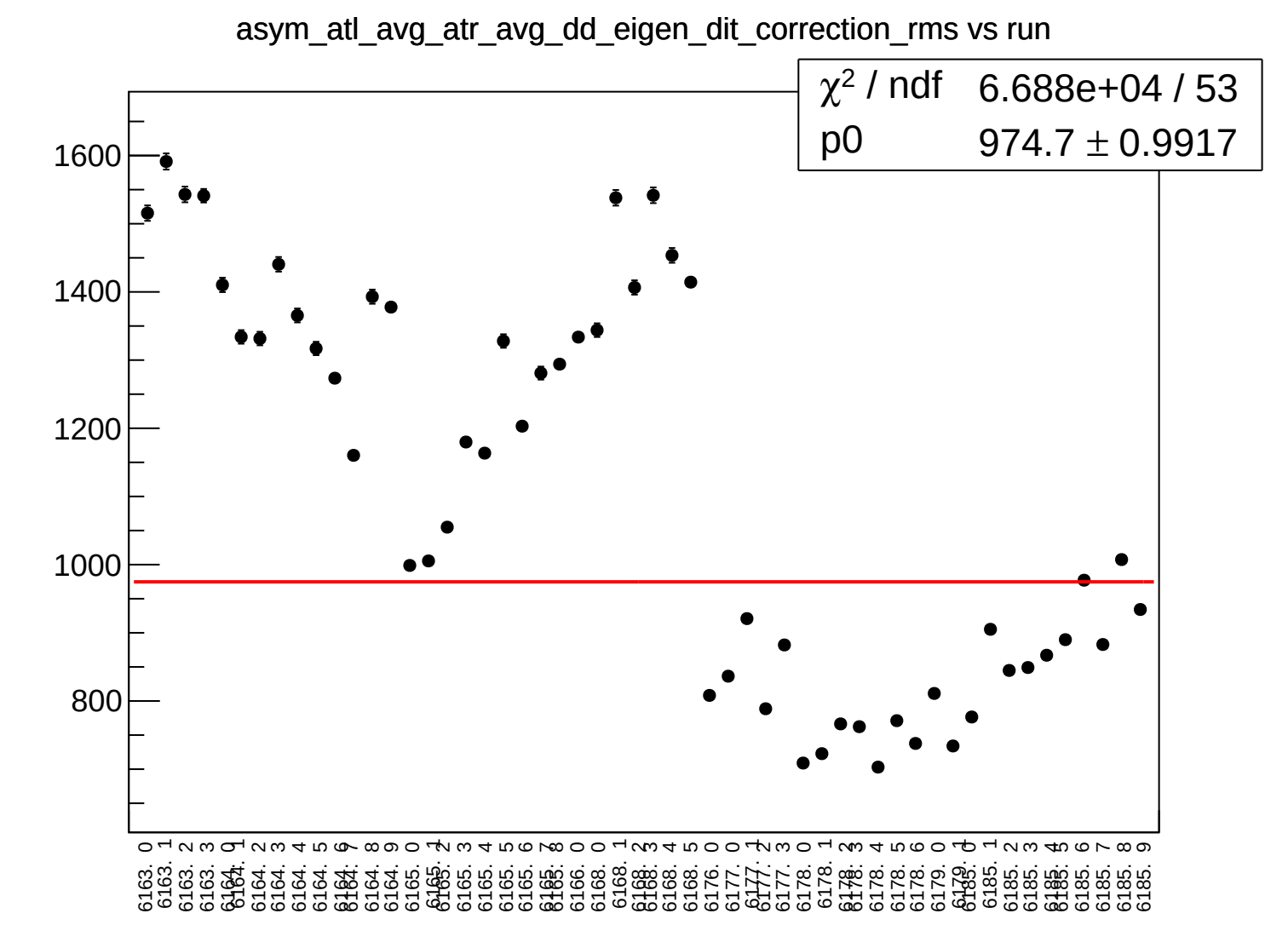

eigen_dit_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 46.51 / 53
p0 −1469 ± 1729
pull
Entries 54
Mean 2950
Std Dev 0

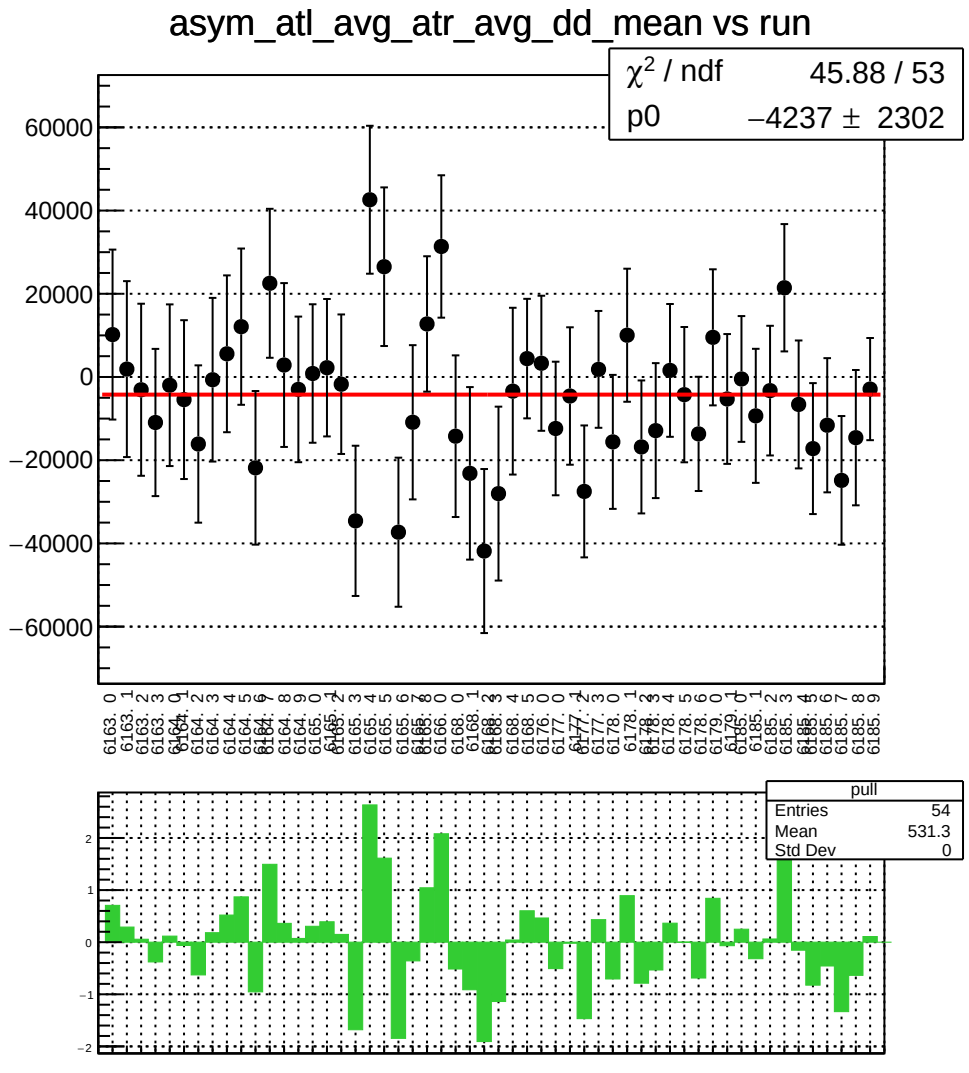

pull1D
Entries 54
Mean −0.001314
Std Dev 0.9281

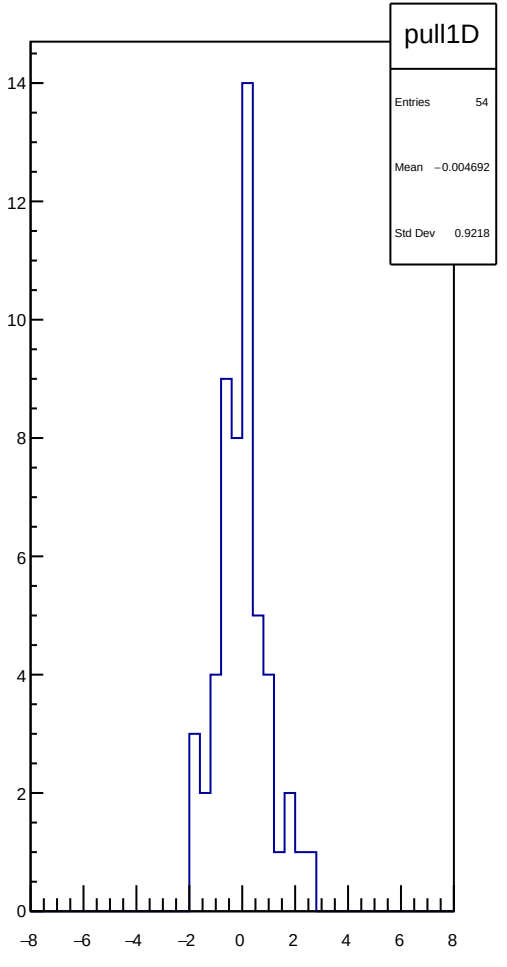

eigen_dit_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 1739 / 53
p0 1241 ± 1.222
1380
1360
1340
1320
1300
1280
1260
1240
1220
1200
1180
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

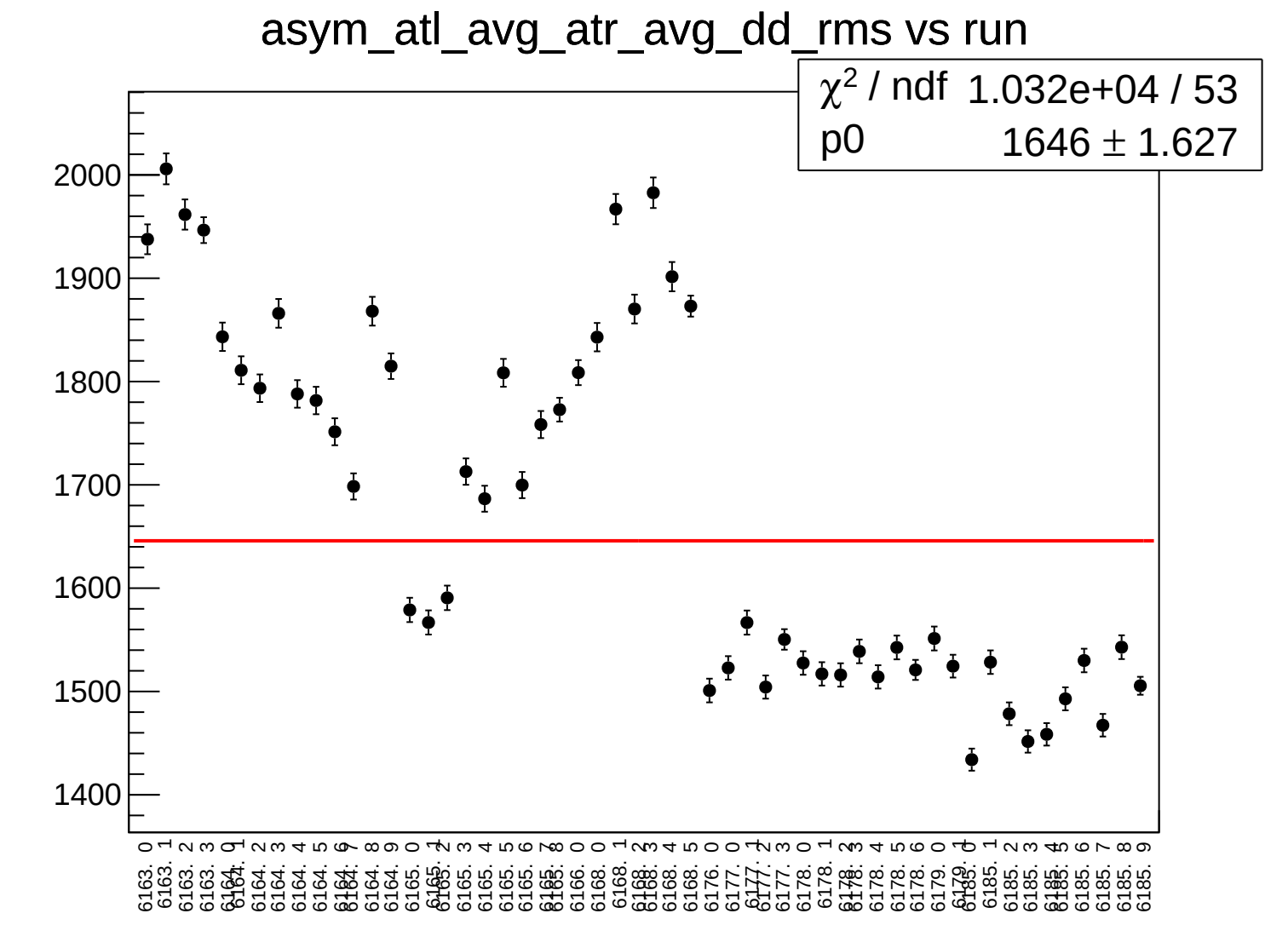

asym_atl_avg_atr_avg_dd_eigen_dit_correction_mean vs run
χ² / ndf 56.03 / 53
p0 2278 ± 1402
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 7.496
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

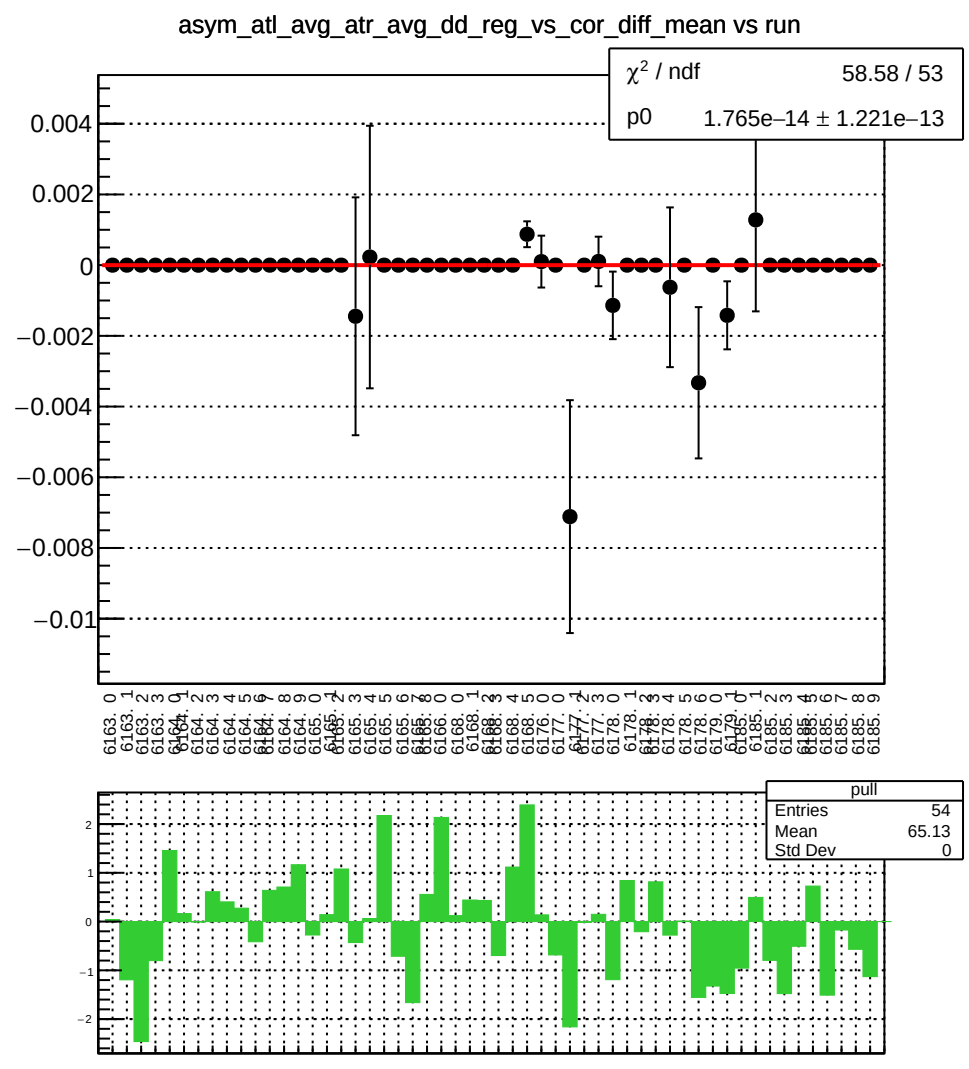

pull1D
Entries 54
Mean 0.02315
Std Dev 1.018
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

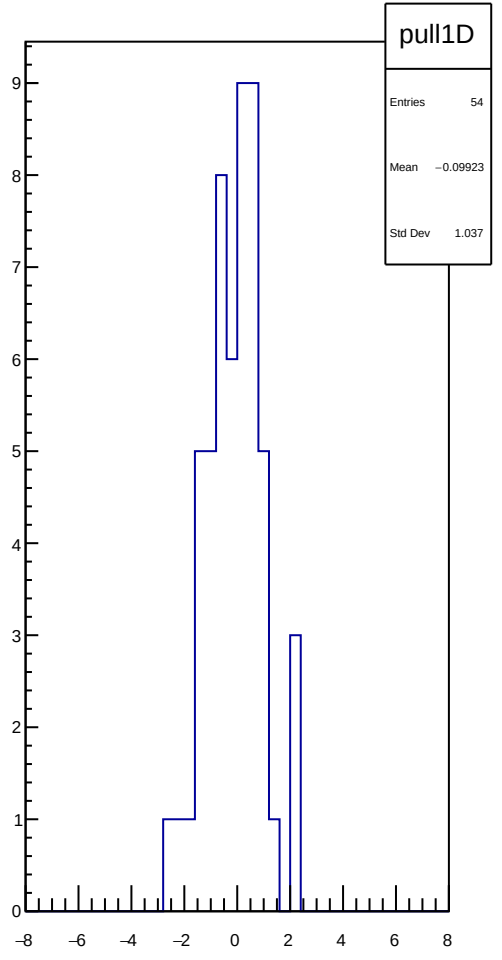

asym_atl_avg_atr_avg_dd_eigen_dit_correction_rms vs run
χ² / ndf 6.688e+04 / 53
p0 974.7 ± 0.9917
1600
1400
1200
1000
800
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

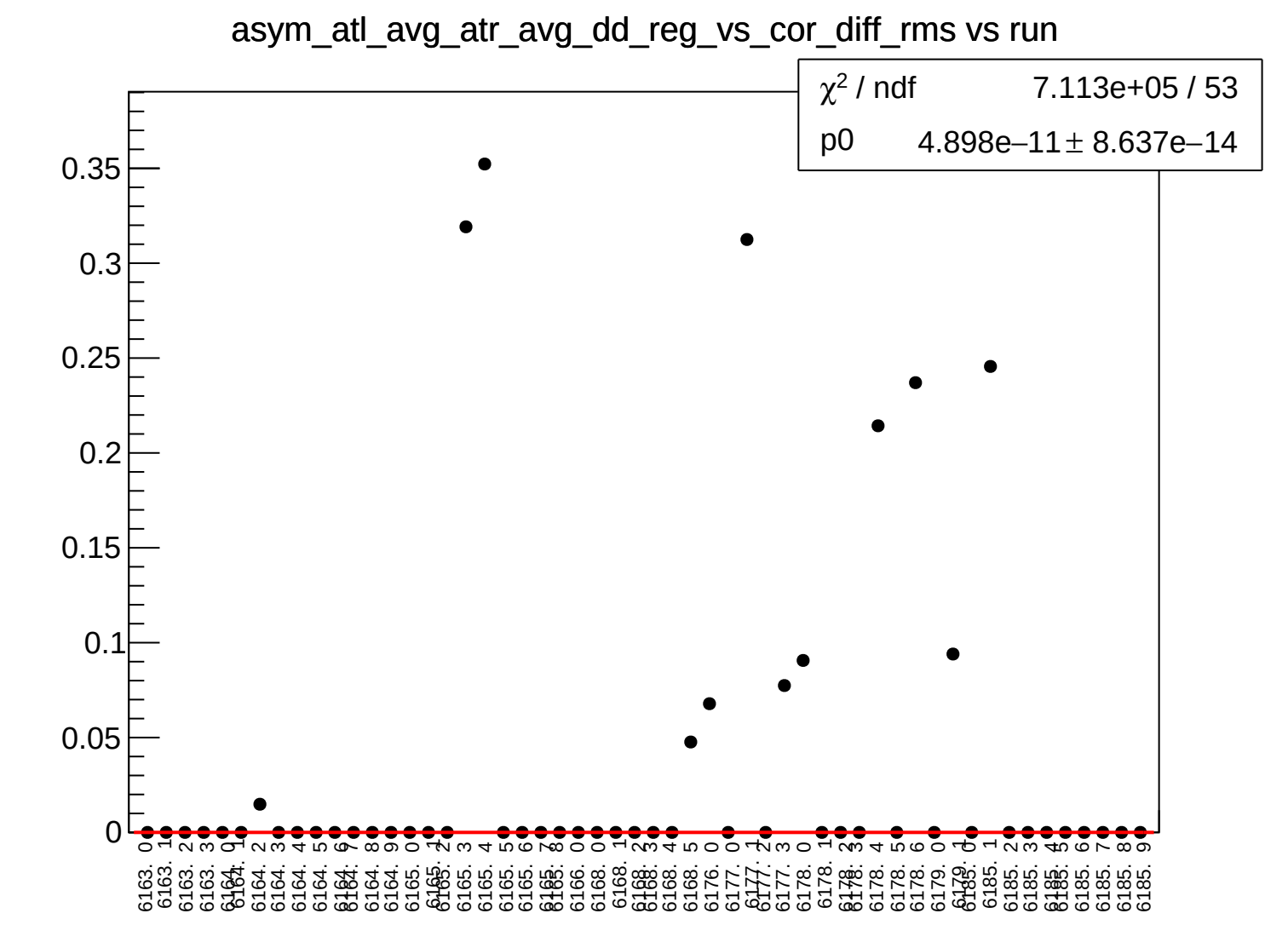

asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 45.88 / 53
p0 −4237 ± 2302
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 531.3
Std Dev 0
2
1
0
−1
−2

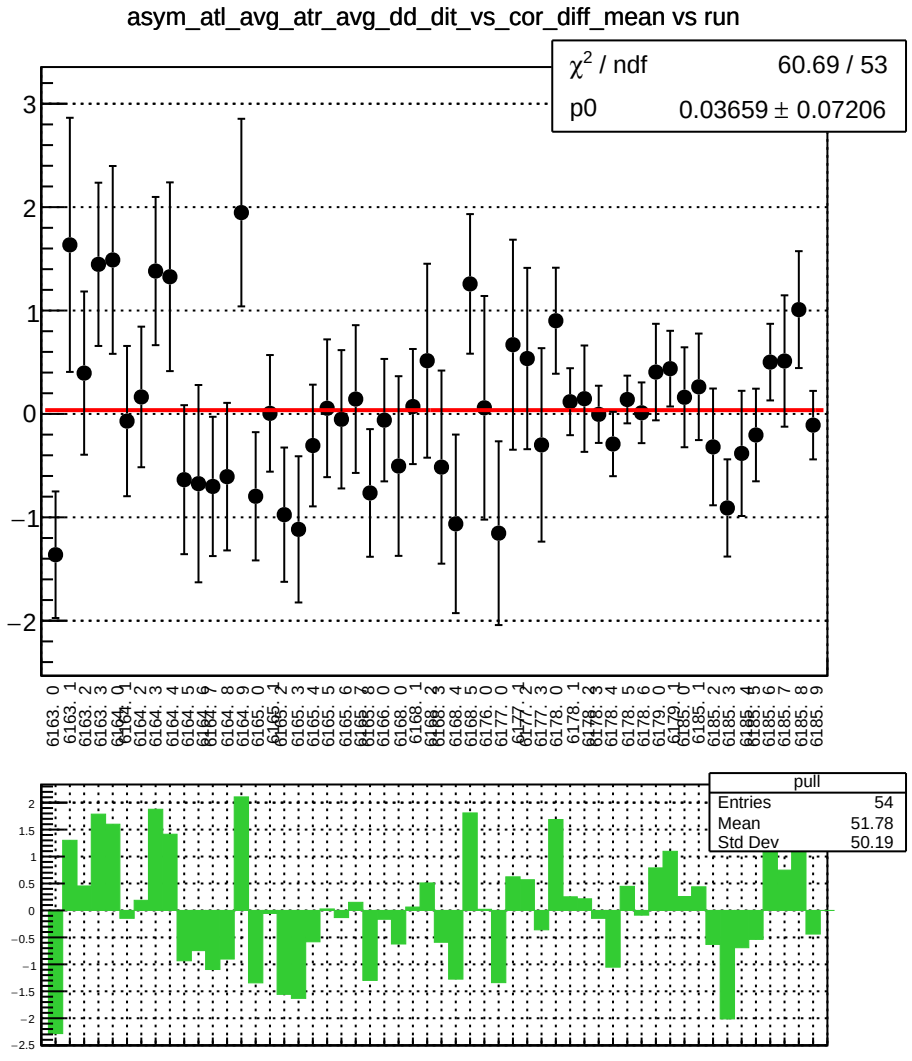

pull1D
Entries 54
Mean −0.004692
Std Dev 0.9218
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

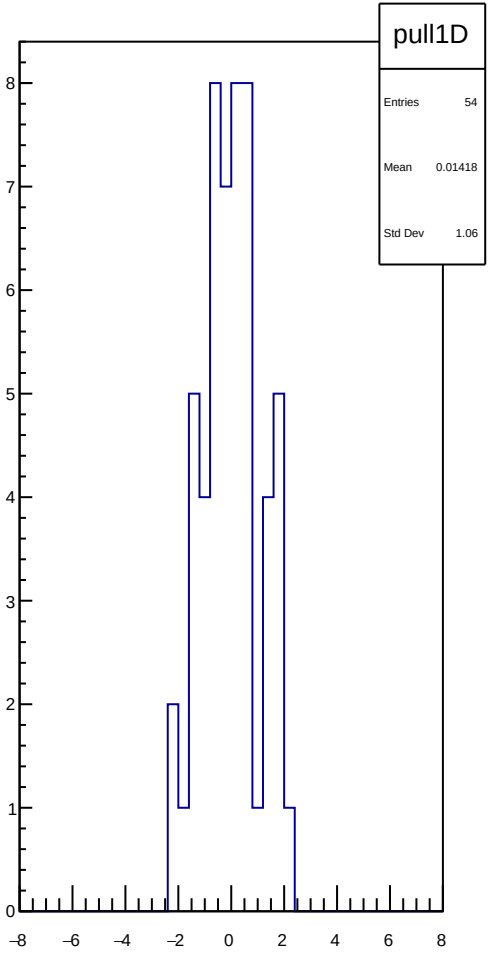

asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 1.032e+04 / 53
p0 1646 ± 1.627
2000
1900
1800
1700
1600
1500
1400
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

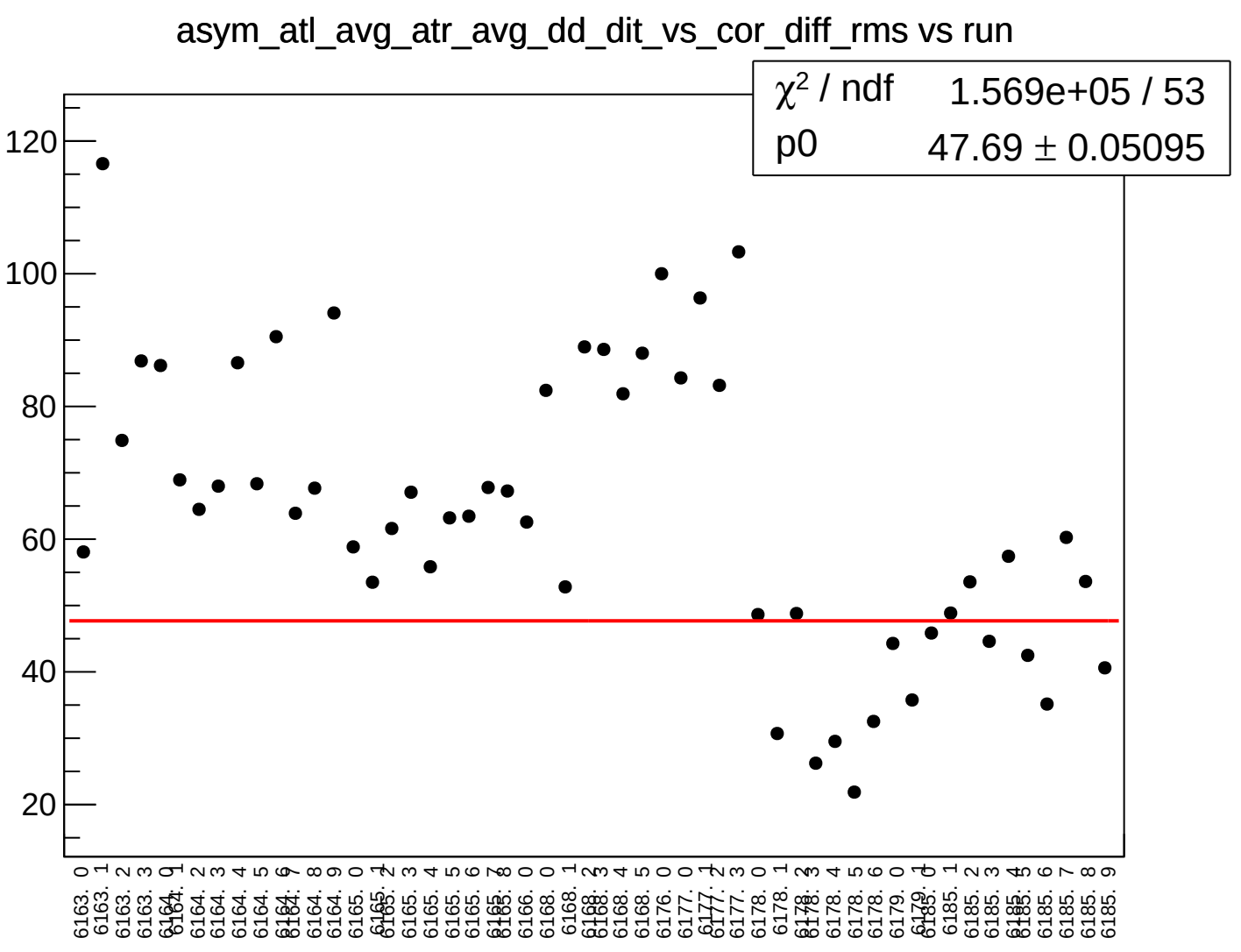

asym_atl_avg_atr_avg_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 58.58 / 53
p0 1.765e−14 ± 1.221e−13
0.004
0.002
0
−0.002
−0.004
−0.006
−0.008
−0.01
pull
Entries 54
Mean 65.13
Std Dev 0
2
1
0
−1
−2

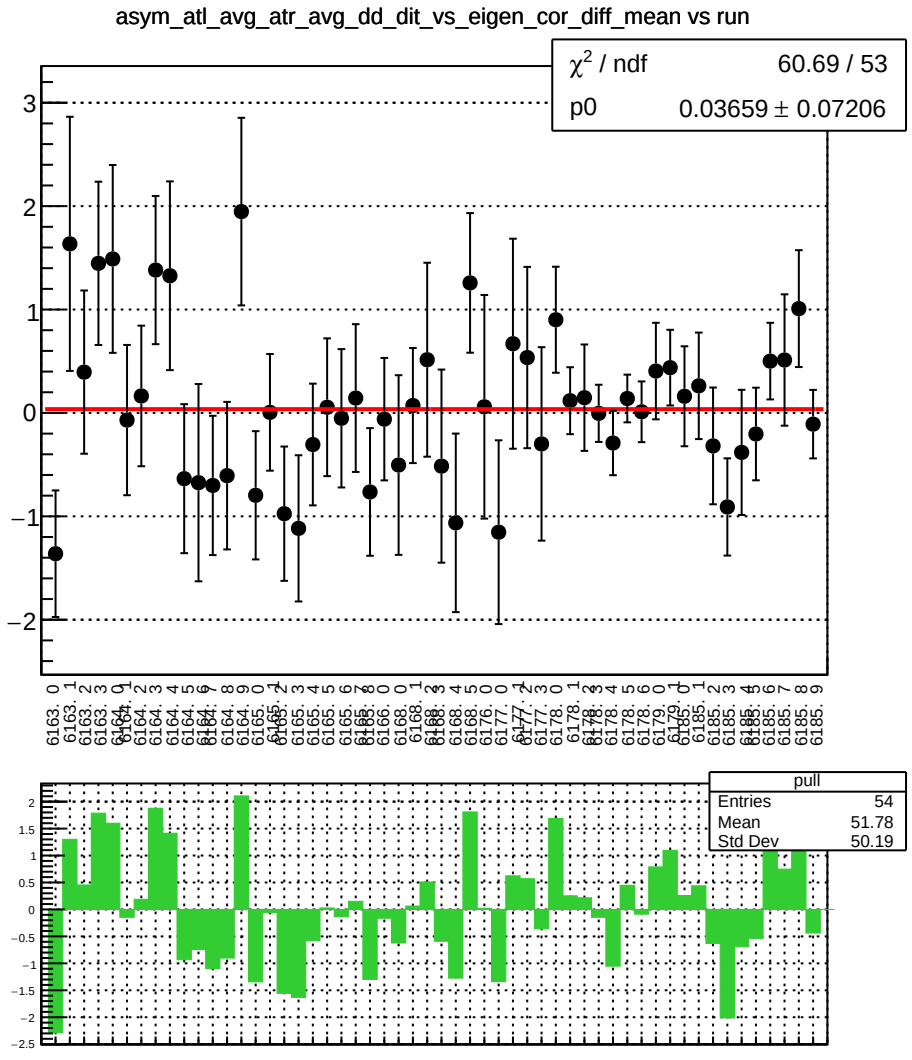

pull1D
Entries 54
Mean −0.09923
Std Dev 1.037
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

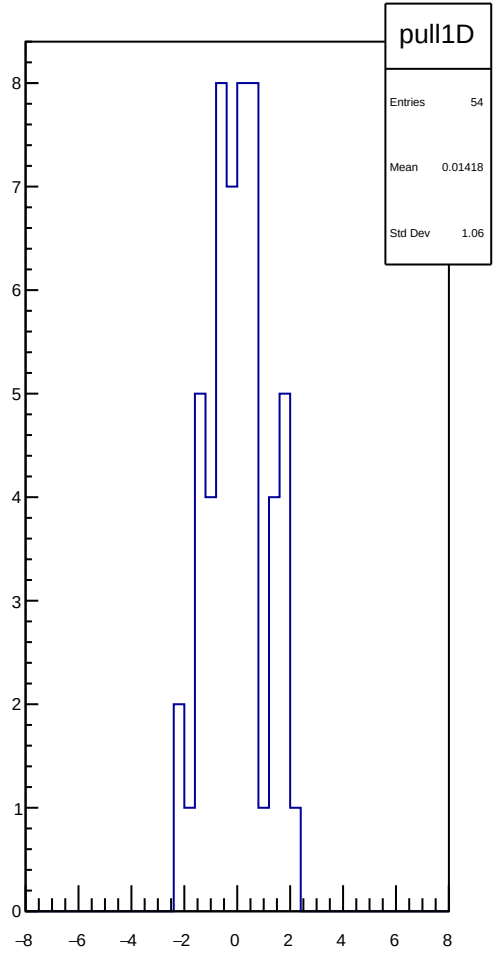

asym_atl_avg_atr_avg_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 7.113e+05 / 53
p0 4.898e−11 ± 8.637e−14
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0

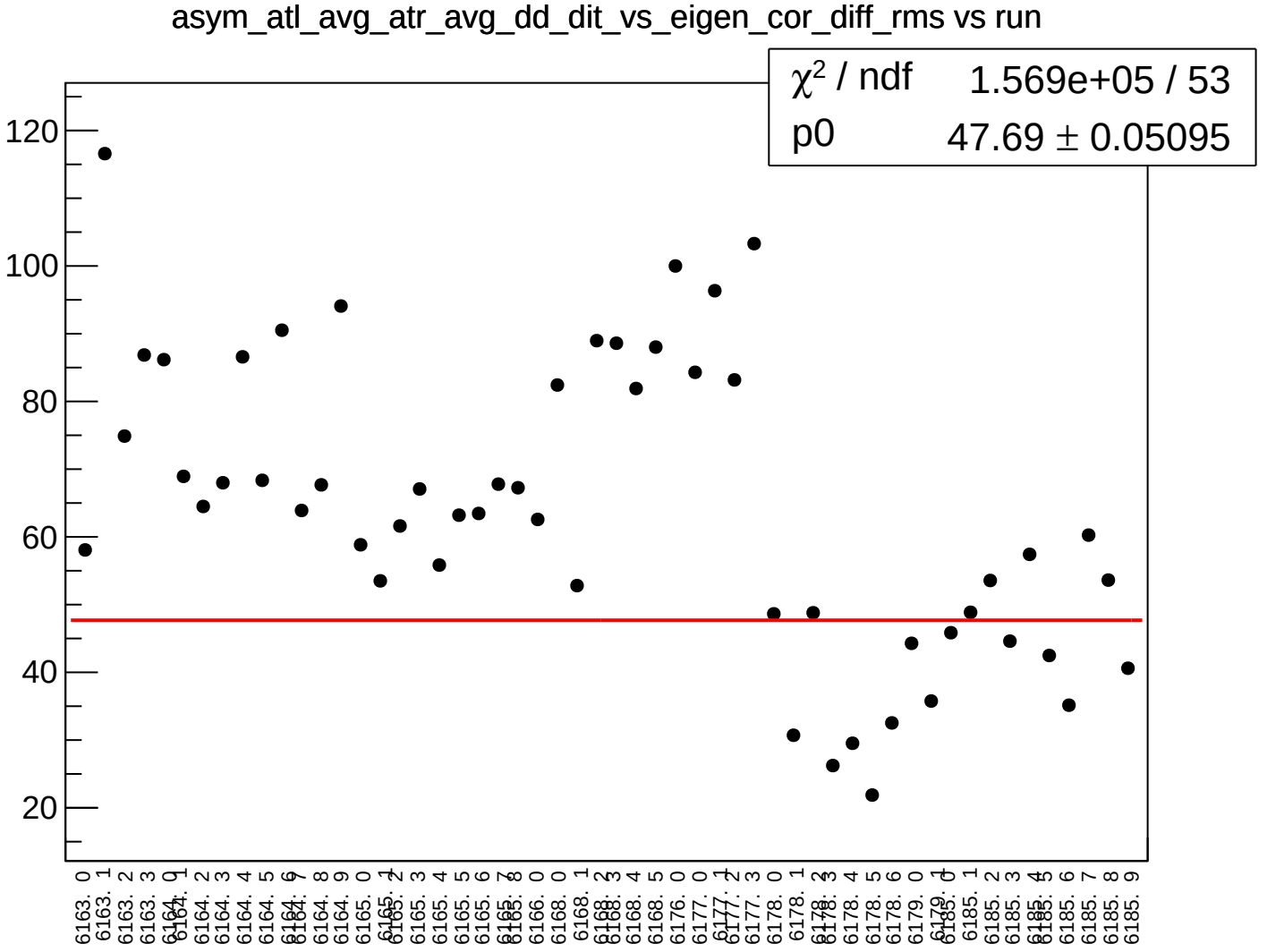

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 60.69 / 53
p0 0.03659 ± 0.07206
pull
Entries 54
Mean 51.78
Std Dev 50.19

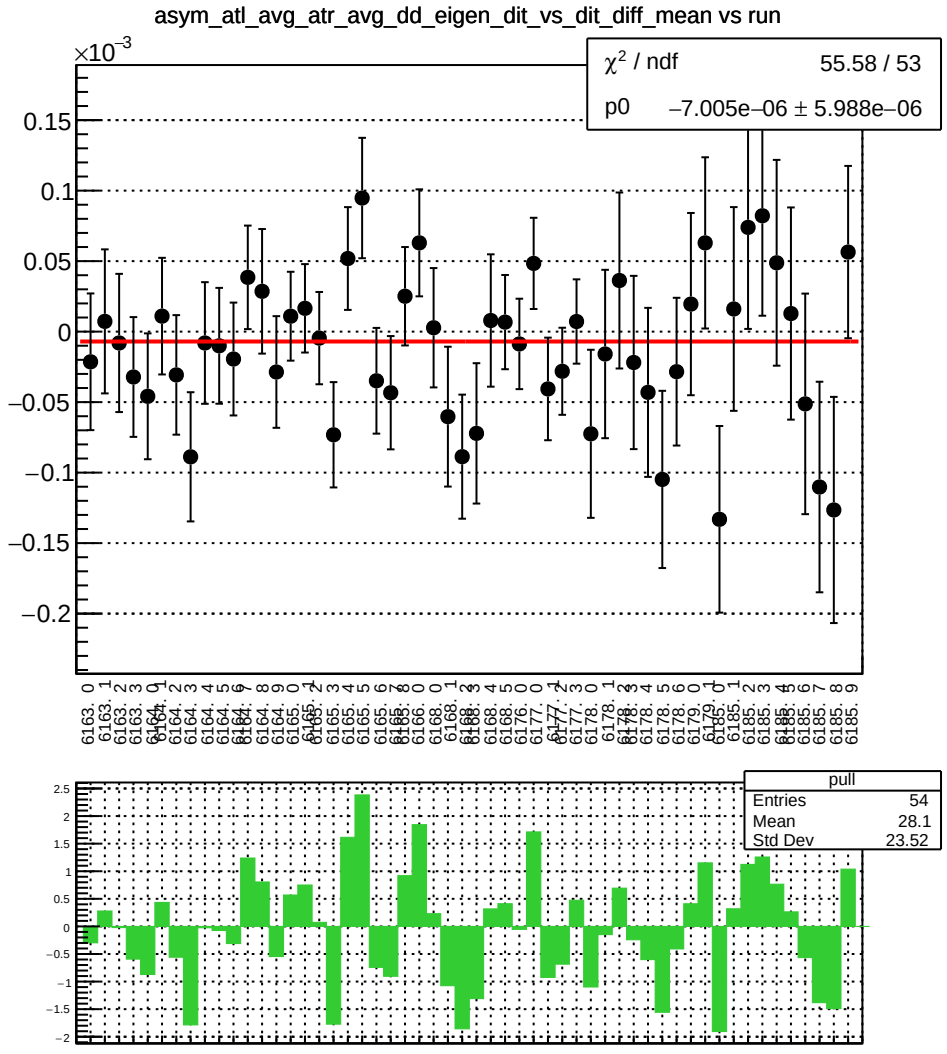

pull1D
Entries 54
Mean 0.01418
Std Dev 1.06

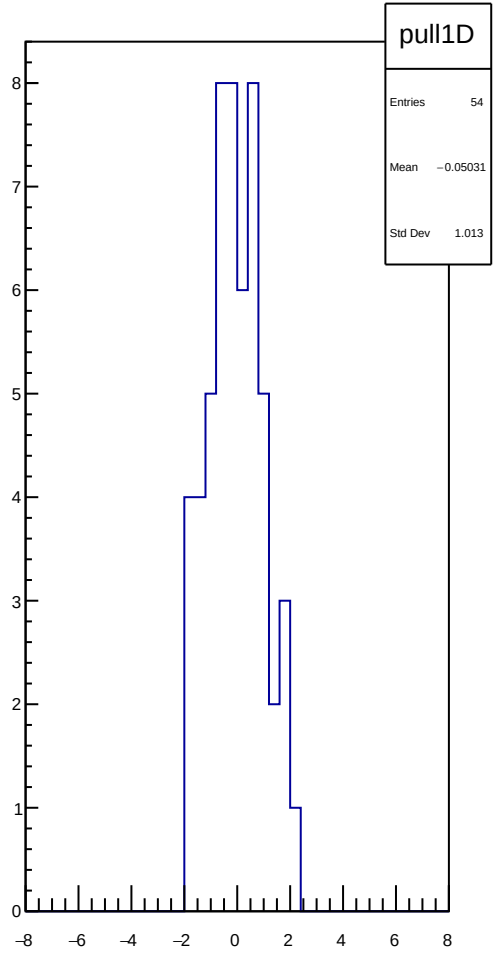

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.569e+05 / 53
p0 47.69 ± 0.05095
120
100
80
60
40
20
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

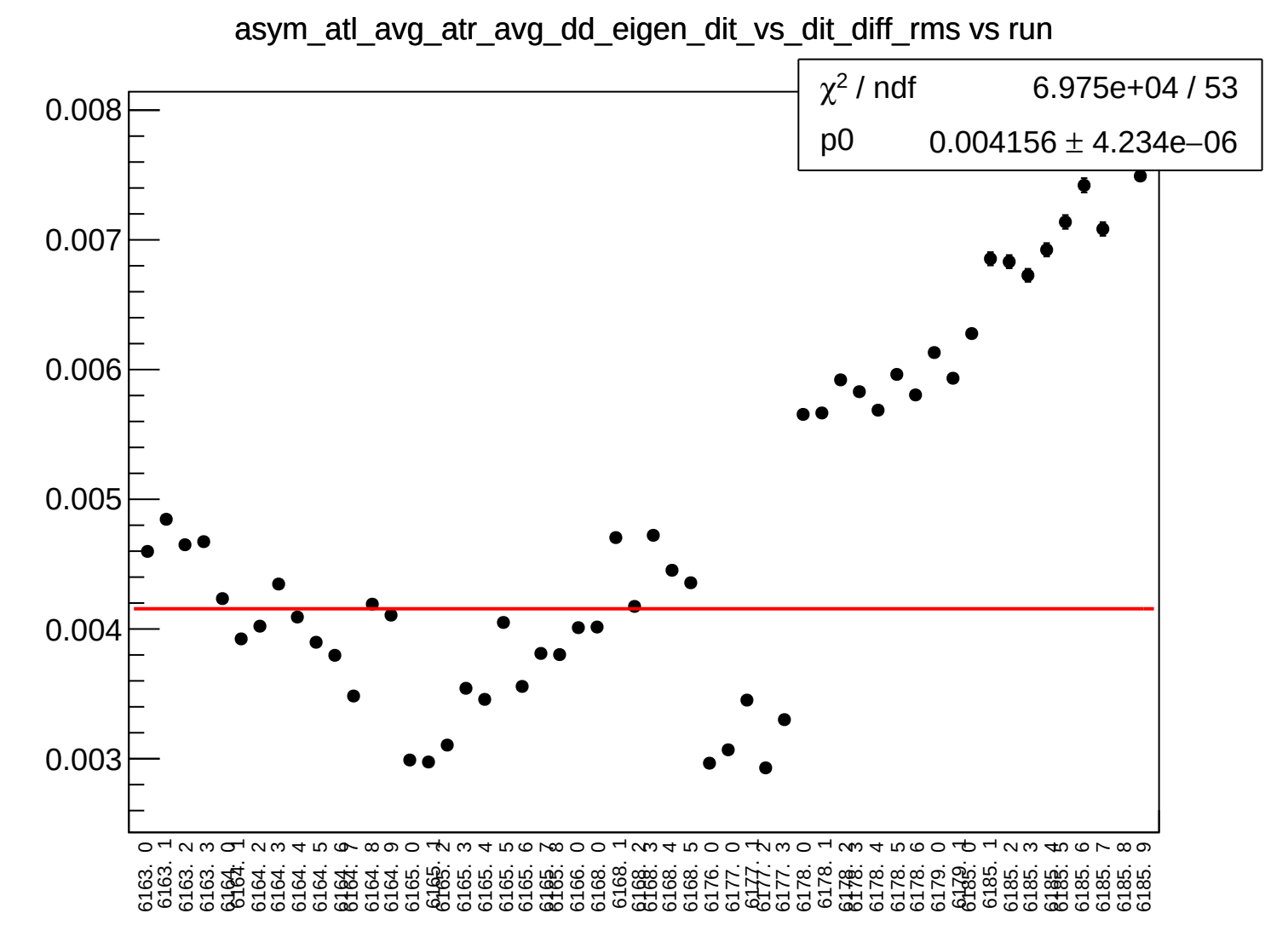

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 60.69 / 53
p0 0.03659 ± 0.07206
pull
Entries 54
Mean 51.78
Std Dev 50.19

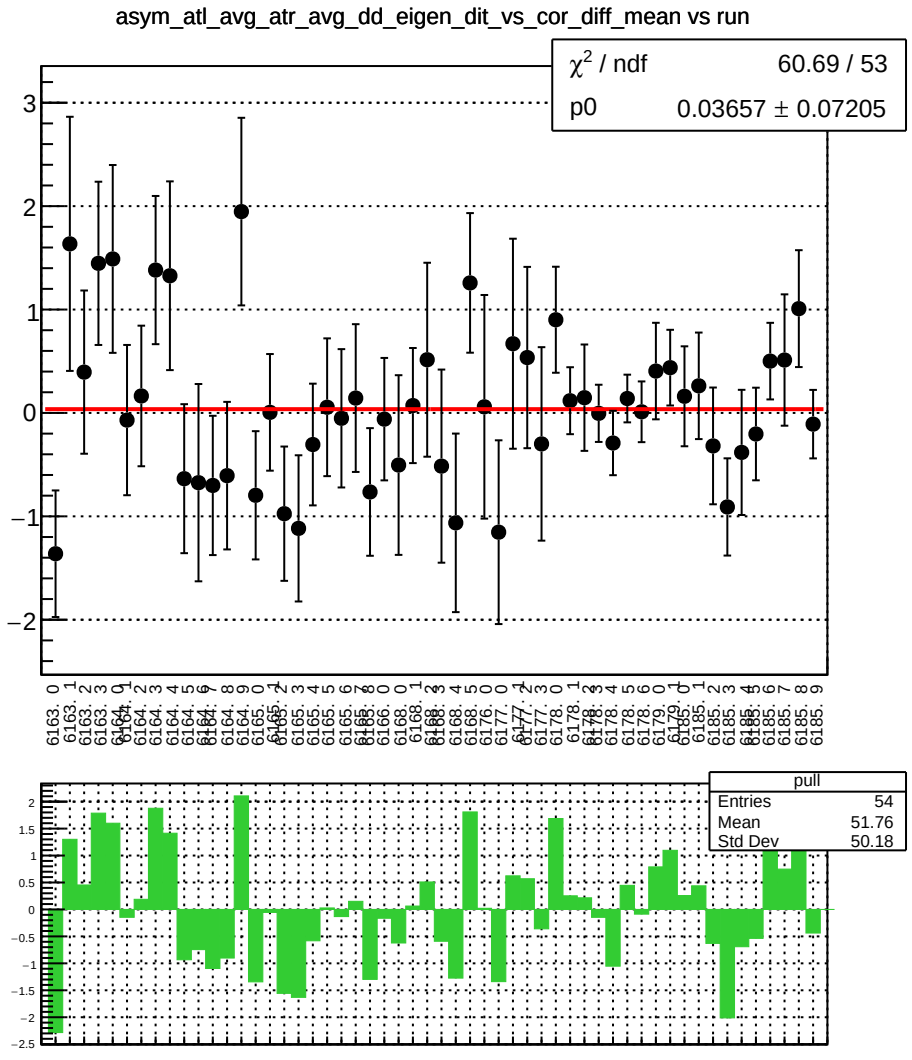

pull1D
Entries 54
Mean 0.01418
Std Dev 1.06

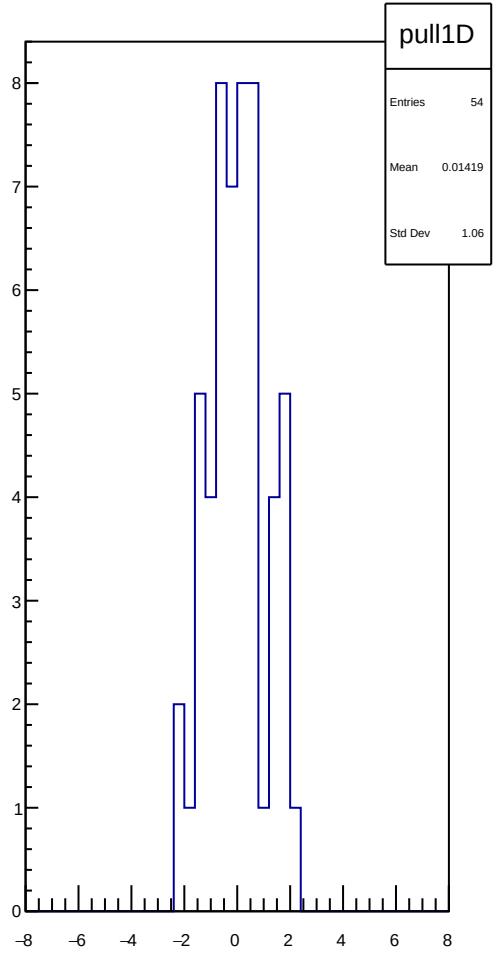

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.569e+05 / 53
p0 47.69 ± 0.05095
120
100
80
60
40
20
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

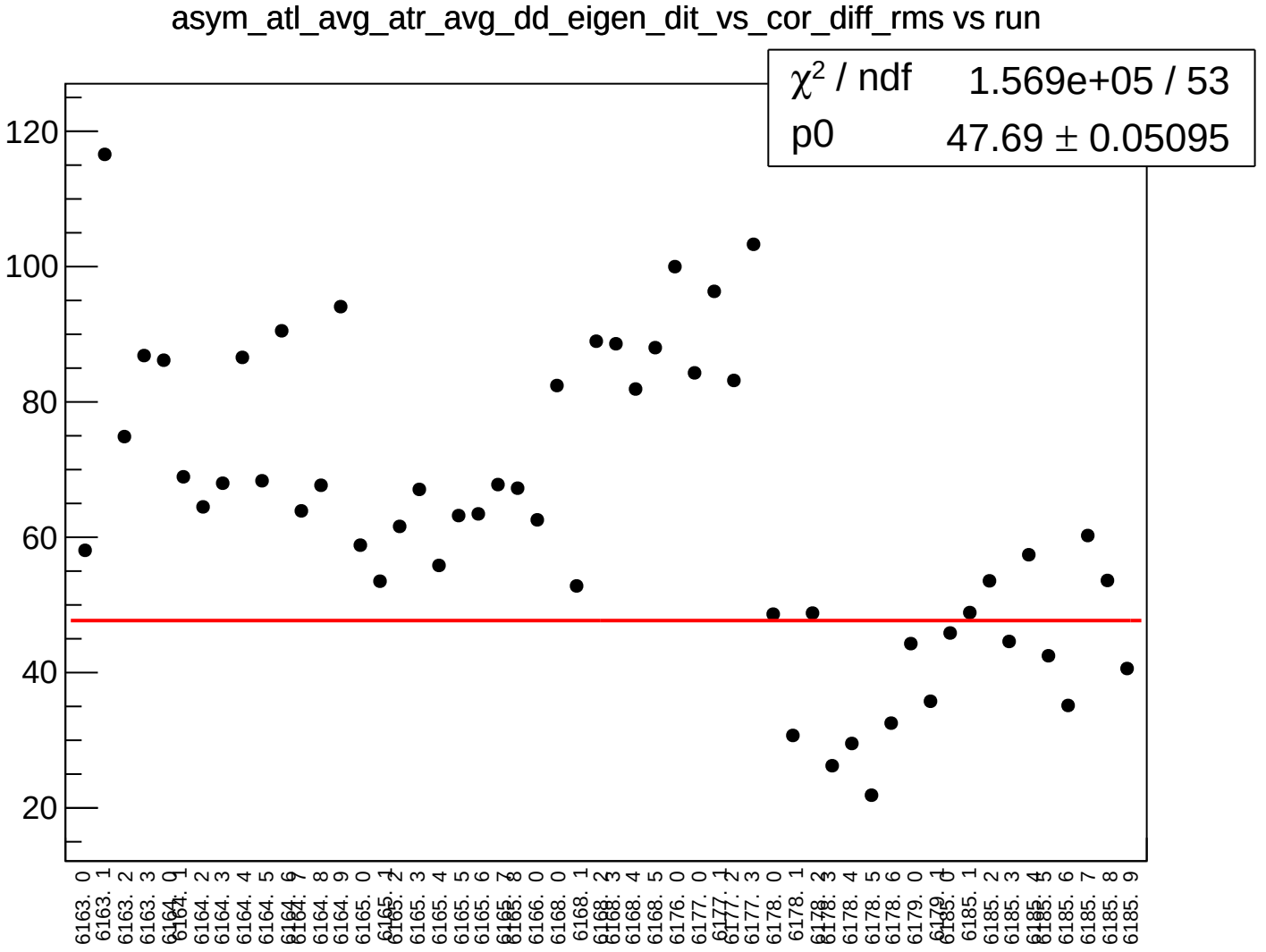

asym_atl_avg_atr_avg_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 55.58 / 53
p0 −7.005e−06 ± 5.988e−06
pull
Entries 54
Mean 28.1
Std Dev 23.52

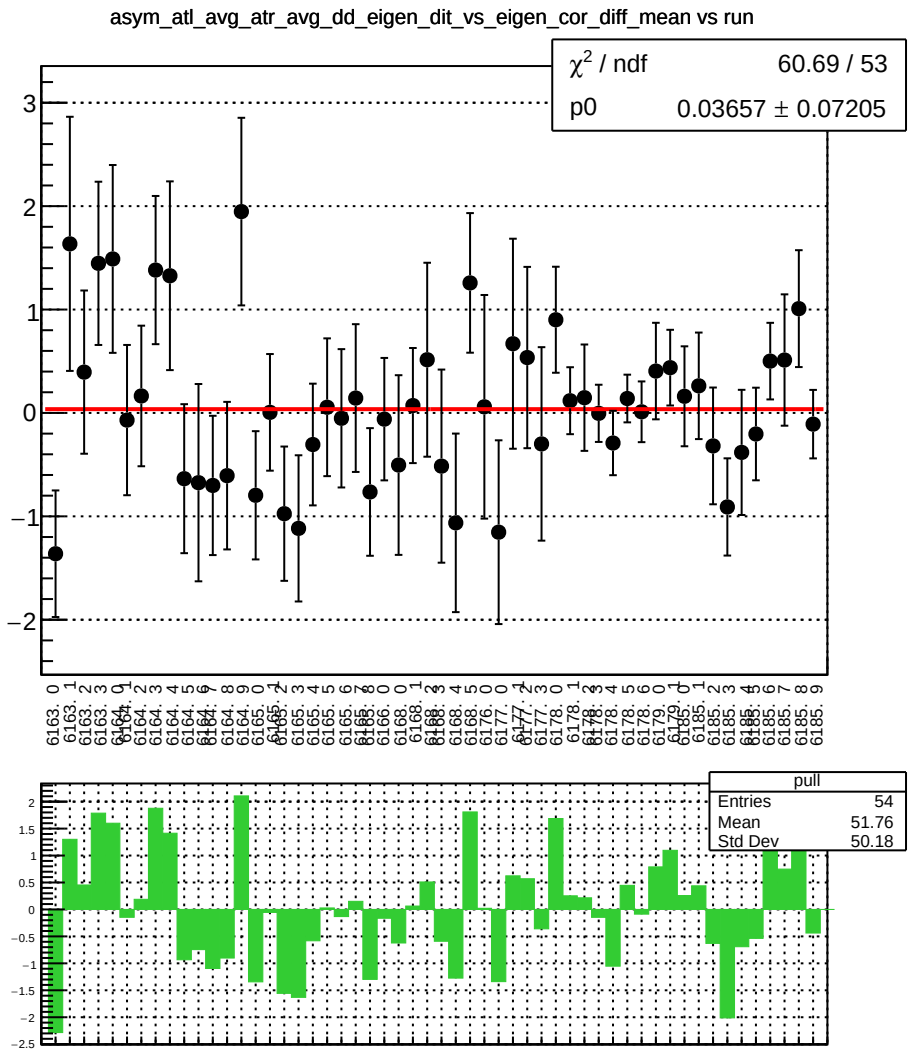

pull1D
Entries 54
Mean −0.05031
Std Dev 1.013

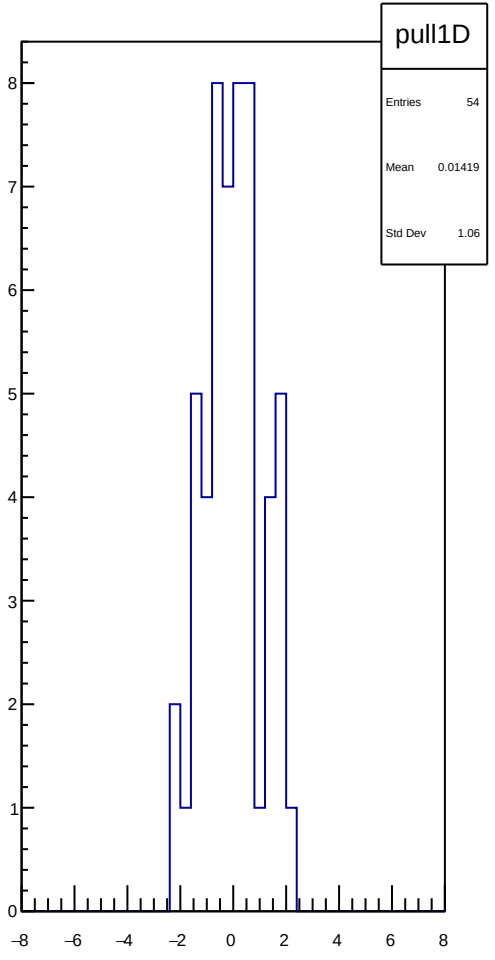

asym_atl_avg_atr_avg_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 6.975e+04 / 53
p0 0.004156 ± 4.234e−06
0.008
0.007
0.006
0.005
0.004
0.003
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

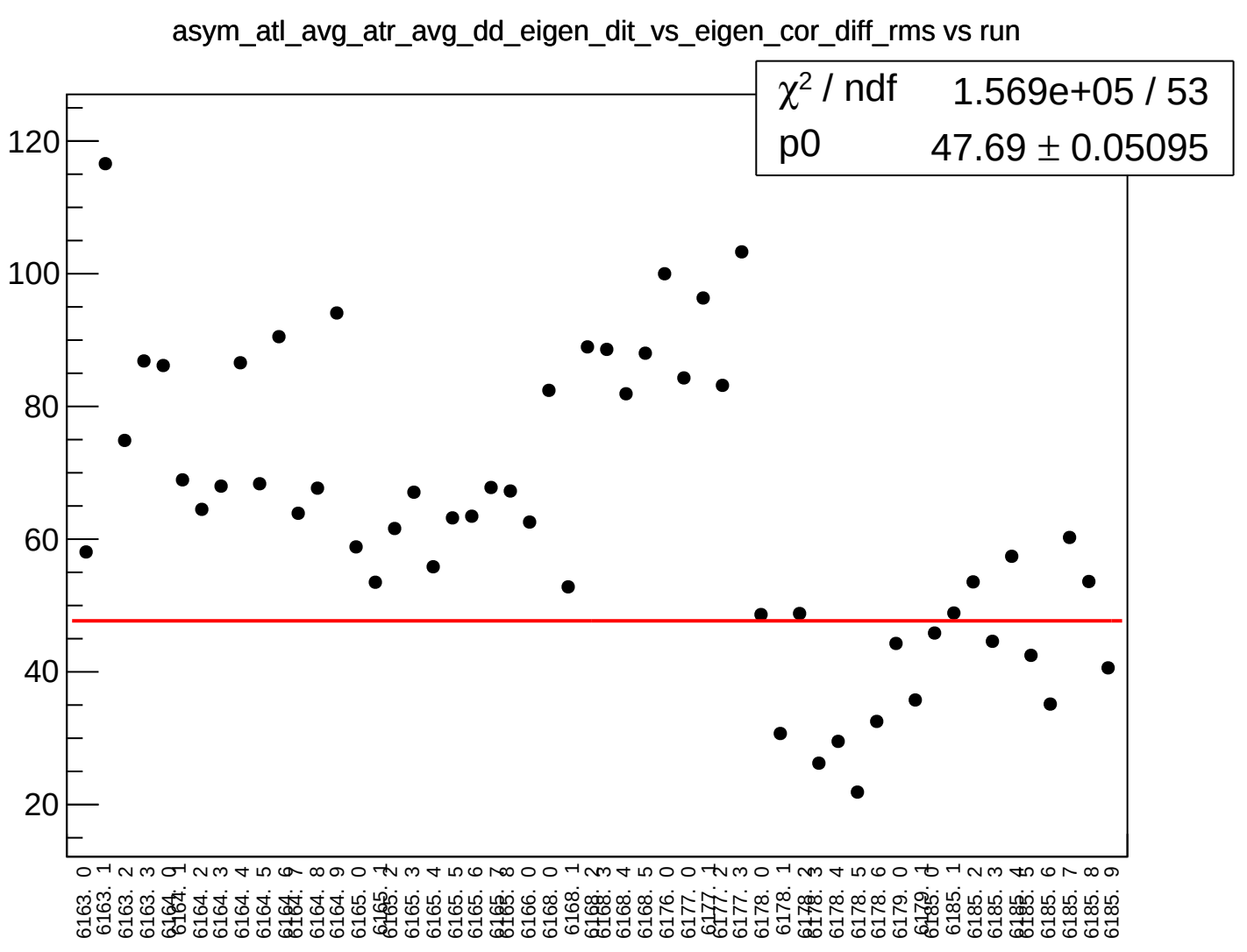

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 60.69 / 53
p0 0.03657 ± 0.07205
pull
Entries 54
Mean 51.76
Std Dev 50.18

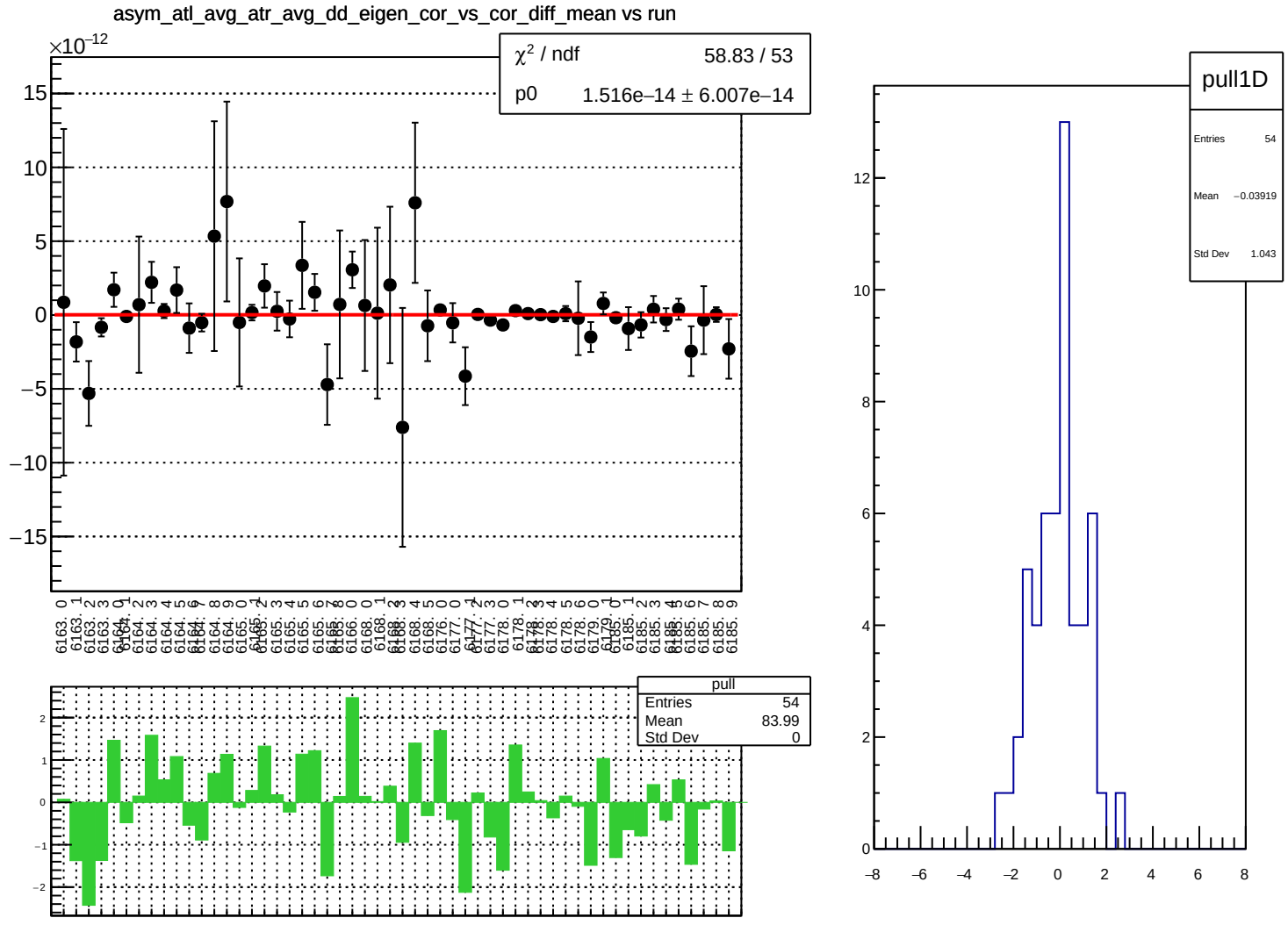

pull1D
Entries 54
Mean 0.01419
Std Dev 1.06

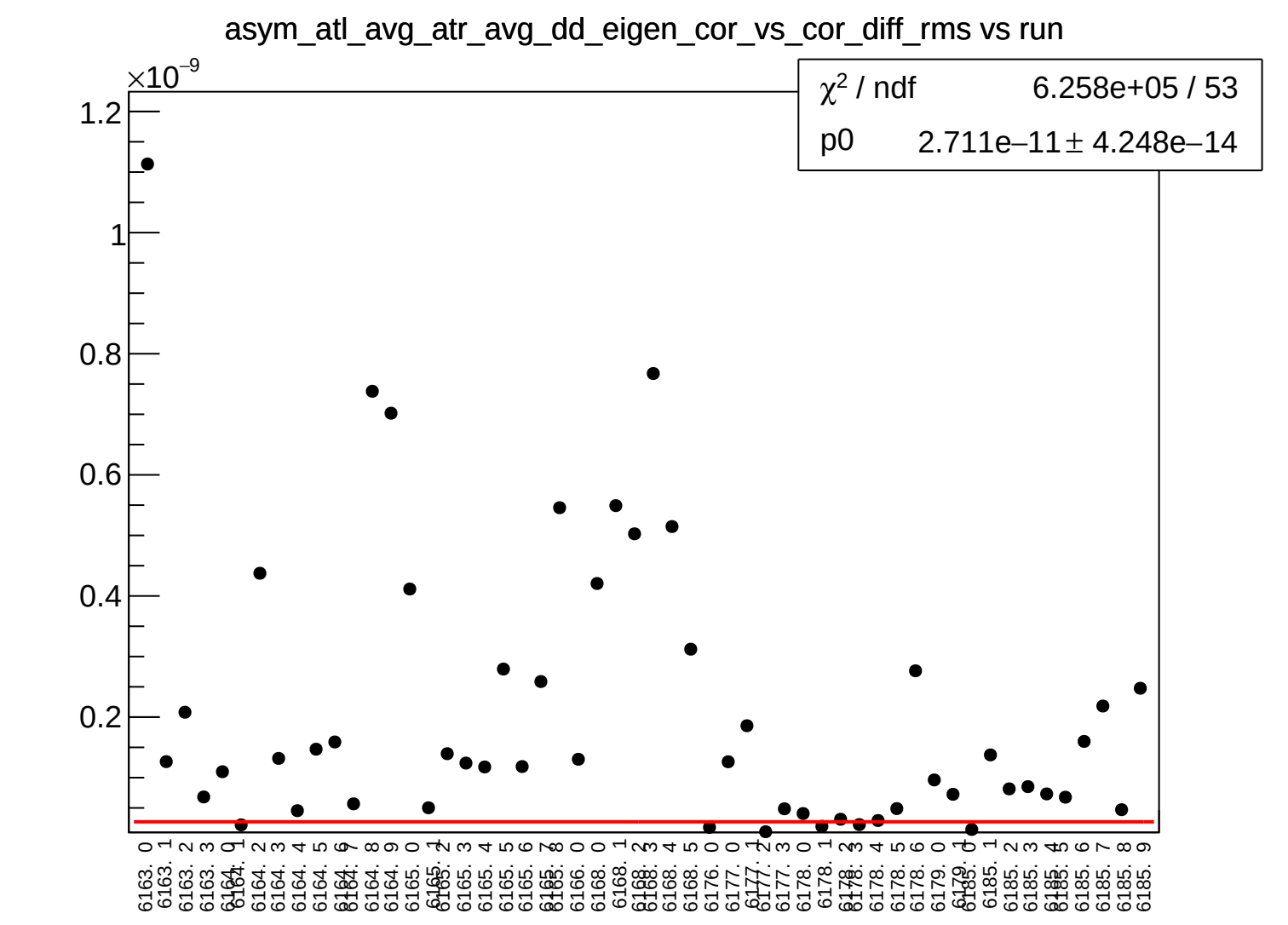

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.569e+05 / 53
p0 47.69 ± 0.05095
120
100
80
60
40
20
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

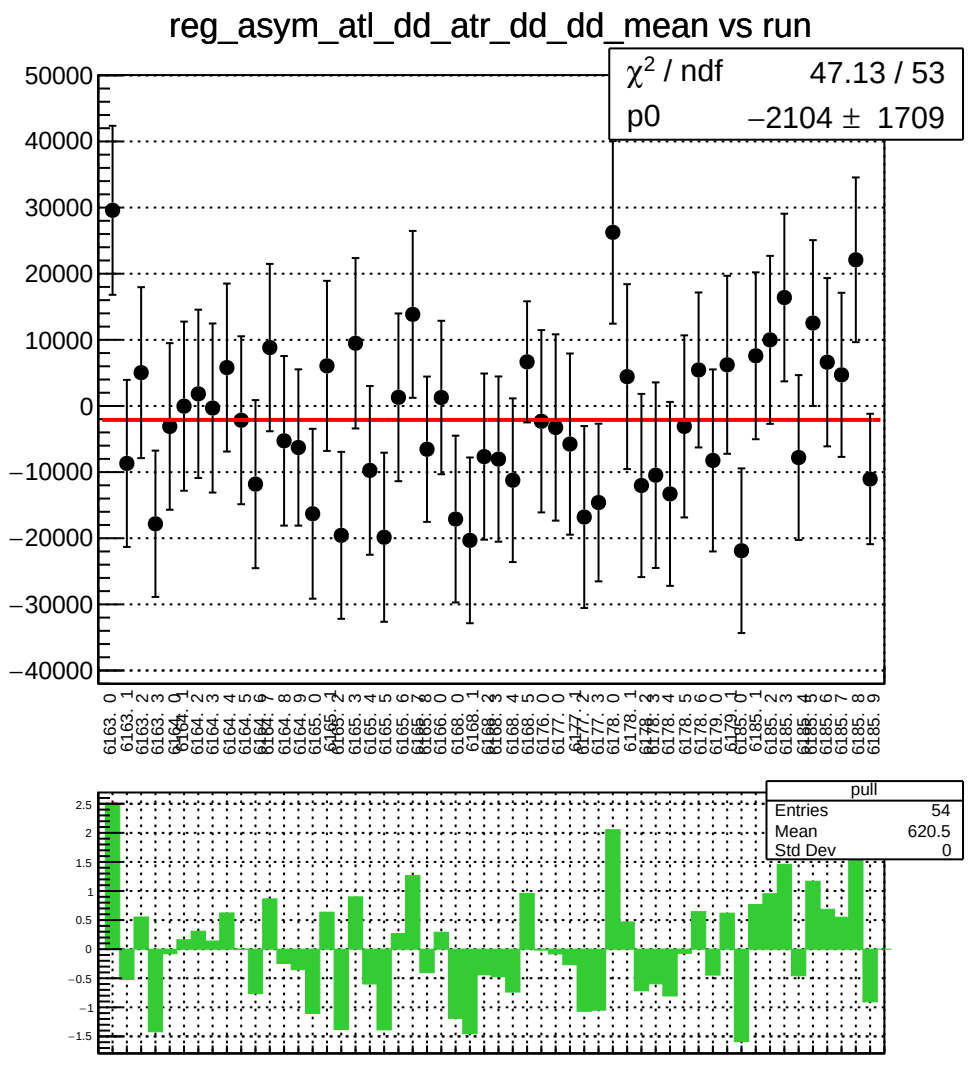

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 60.69 / 53
p0 0.03657 ± 0.07205
pull
Entries 54
Mean 51.76
Std Dev 50.18

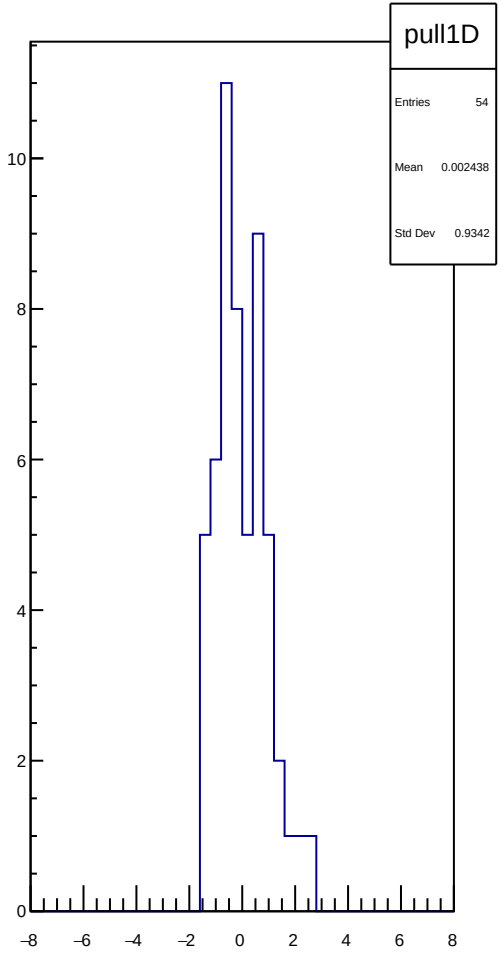

pull1D
Entries 54
Mean 0.01419
Std Dev 1.06

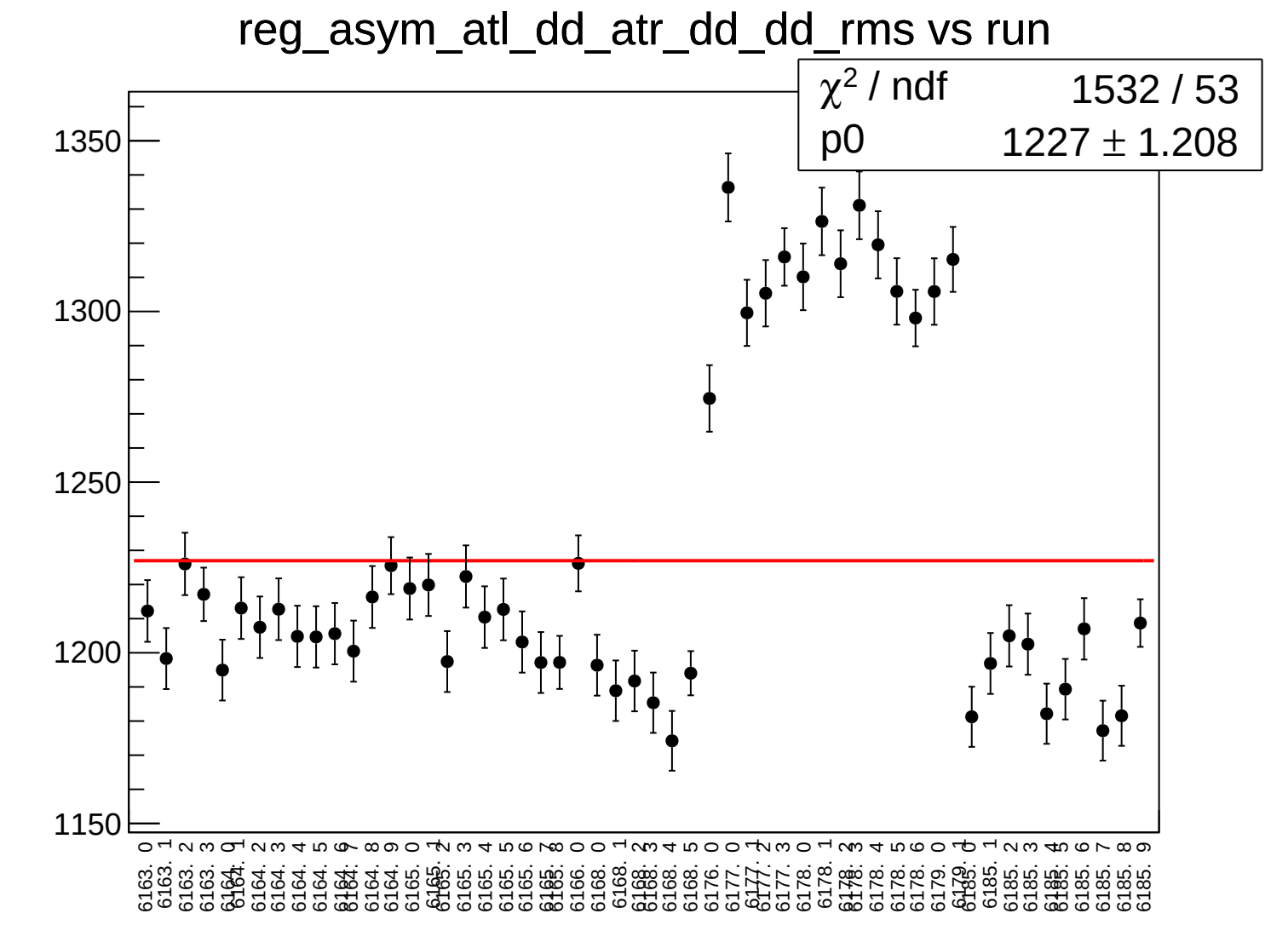

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.569e+05 / 53
p0 47.69 ± 0.05095
120
100
80
60
40
20
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

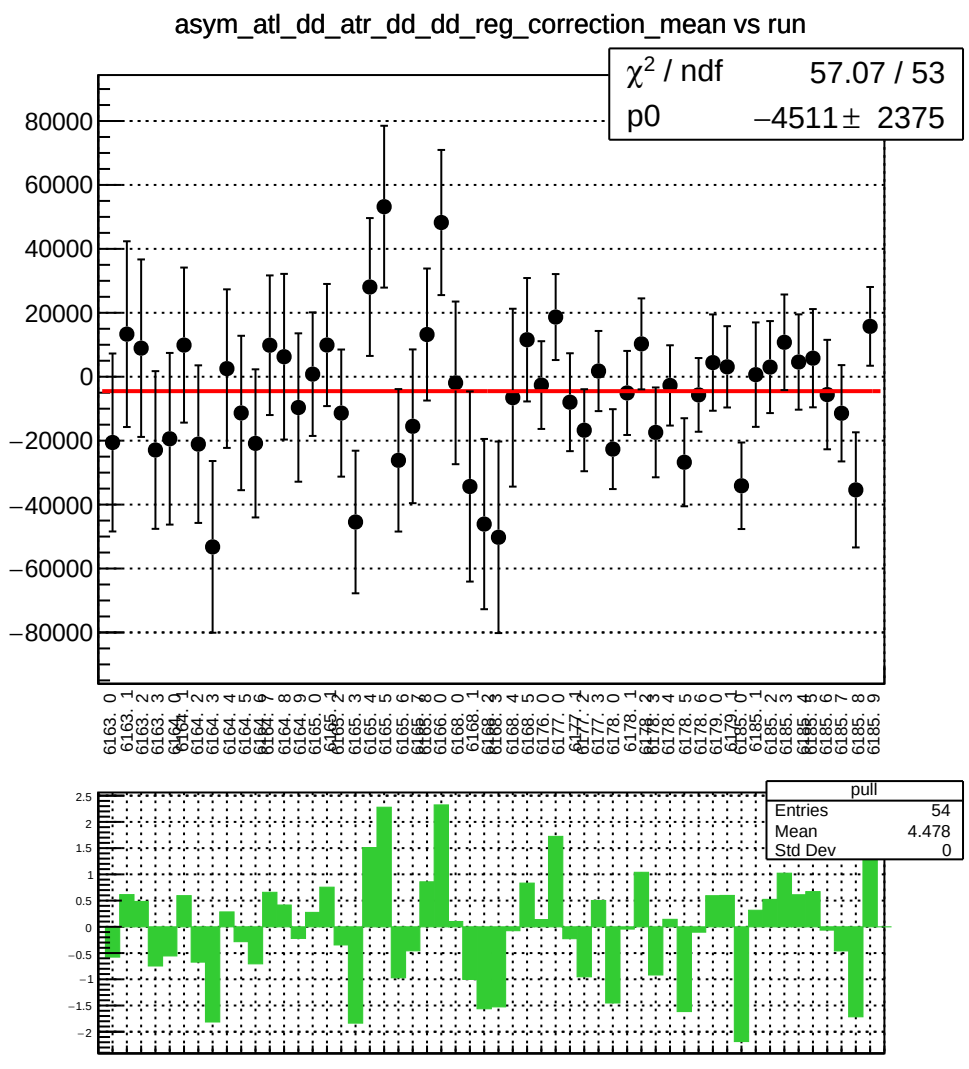

asym_atl_avg_atr_avg_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 58.83 / 53
p0 1.516e−14 ± 6.007e−14
pull
Entries 54
Mean 83.99
Std Dev 0
pull1D
Entries 54
Mean −0.03919
Std Dev 1.043

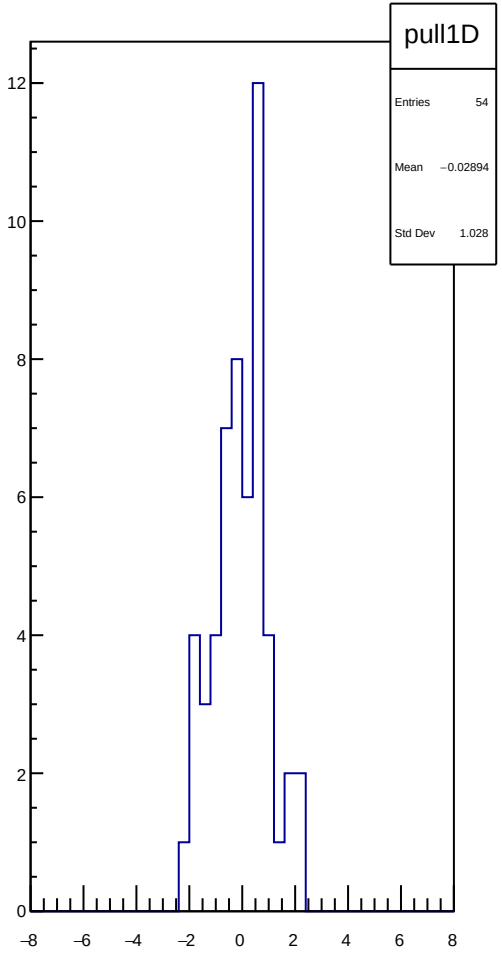

asym_atl_avg_atr_avg_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.258e+05 / 53
p0 2.711e−11 ± 4.248e−14
1.2
1
0.8
0.6
0.4
0.2
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

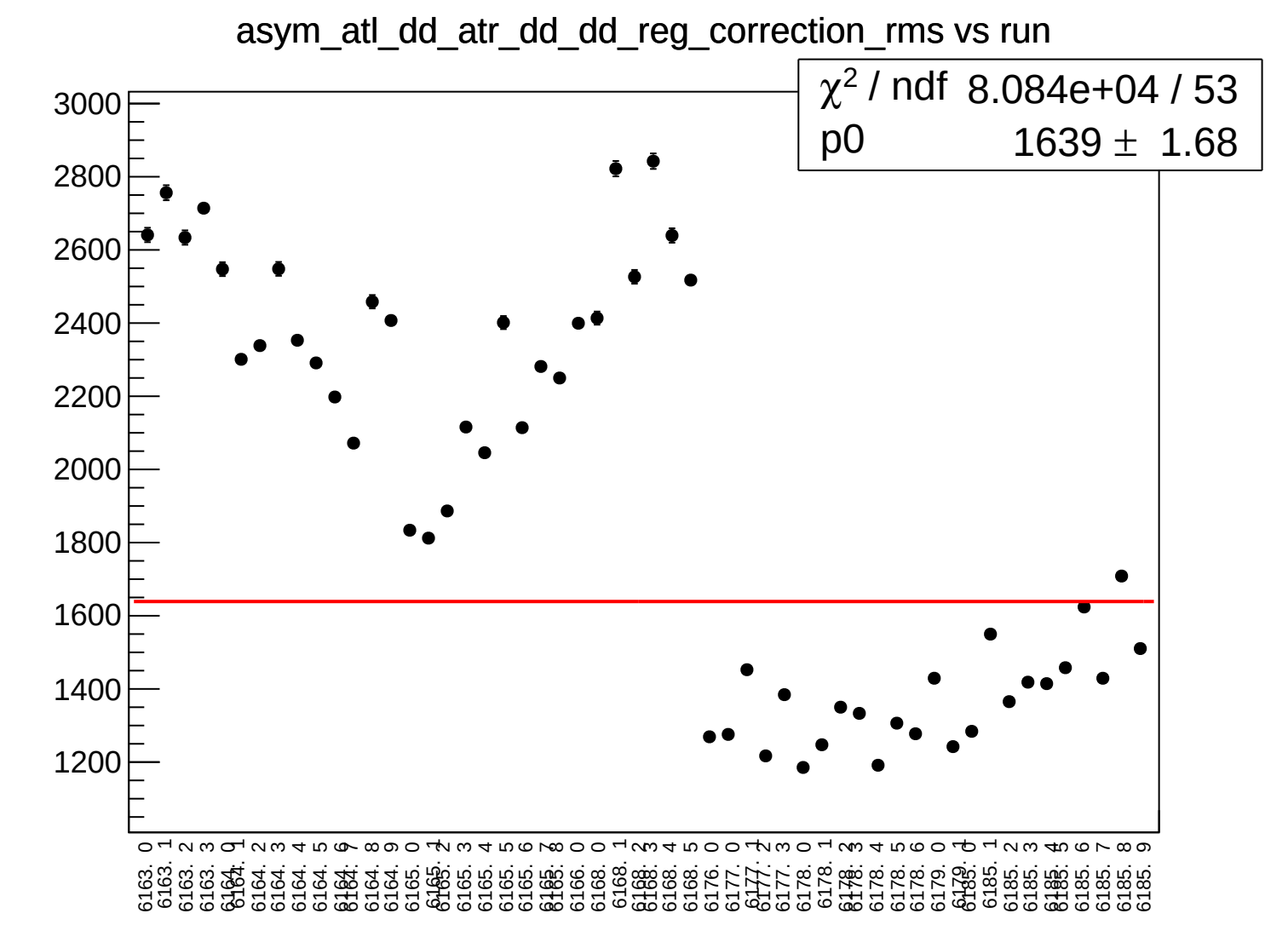

reg_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 47.13 / 53
p0 −2104 ± 1709
pull
Entries 54
Mean 620.5
Std Dev 0


pull1D
Entries 54
Mean 0.002438
Std Dev 0.9342


reg_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 1532 / 53
p0 1227 ± 1.208
1350
1300
1250
1200
1150
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


asym_atl_dd_atr_dd_dd_reg_correction_mean vs run
χ² / ndf 57.07 / 53
p0 −4511 ± 2375
pull
Entries 54
Mean 4.478
Std Dev 0


pull1D
Entries 54
Mean −0.02894
Std Dev 1.028


asym_atl_dd_atr_dd_dd_reg_correction_rms vs run
χ² / ndf 8.084e+04 / 53
p0 1639 ± 1.68
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
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6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
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6165. 4
6165. 5
6165. 6
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
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6179. 0
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6185. 2
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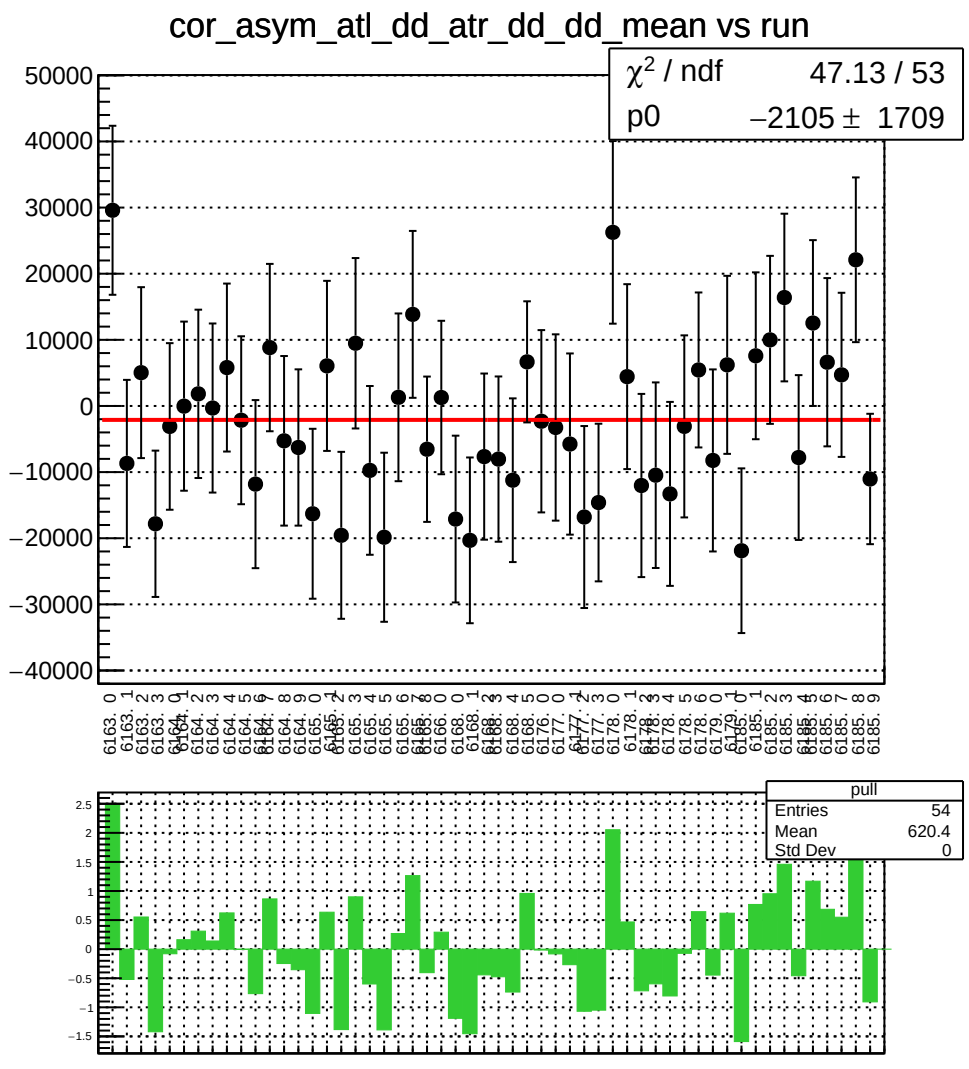
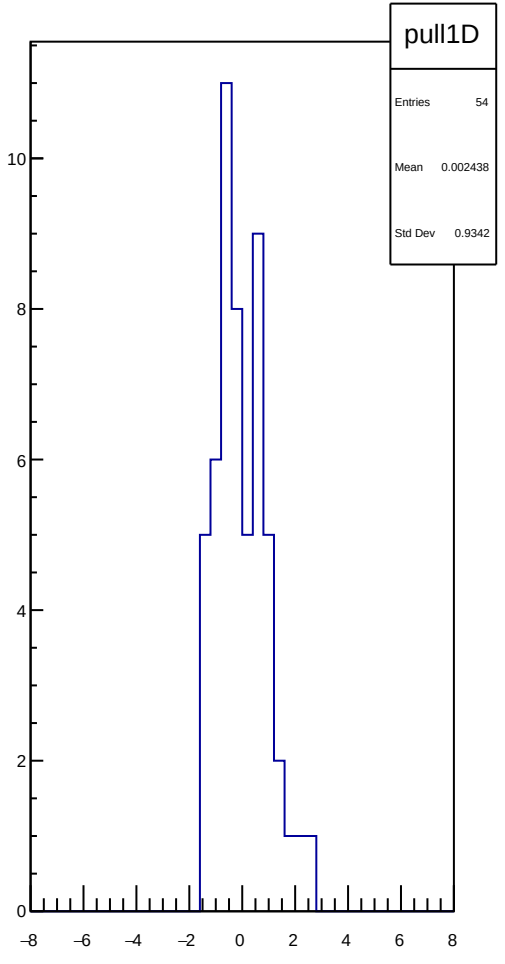
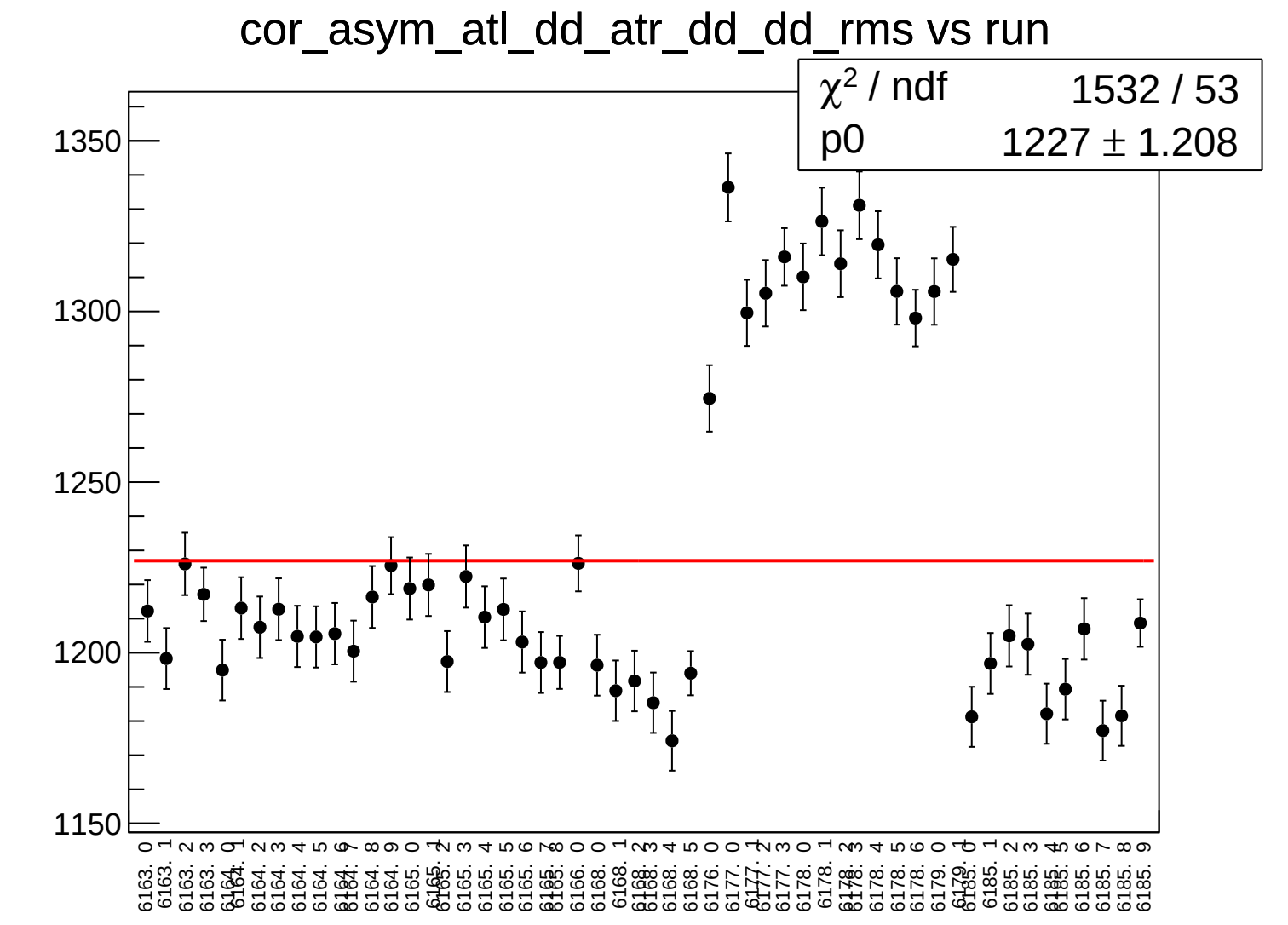
6185. 9


cor_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 47.13 / 53
p0 −2105 ± 1709
pull
Entries 54
Mean 620.4
Std Dev 0


pull1D
Entries 54
Mean 0.002438
Std Dev 0.9342


cor_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 1532 / 53
p0 1227 ± 1.208
1350
1300
1250
1200
1150
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
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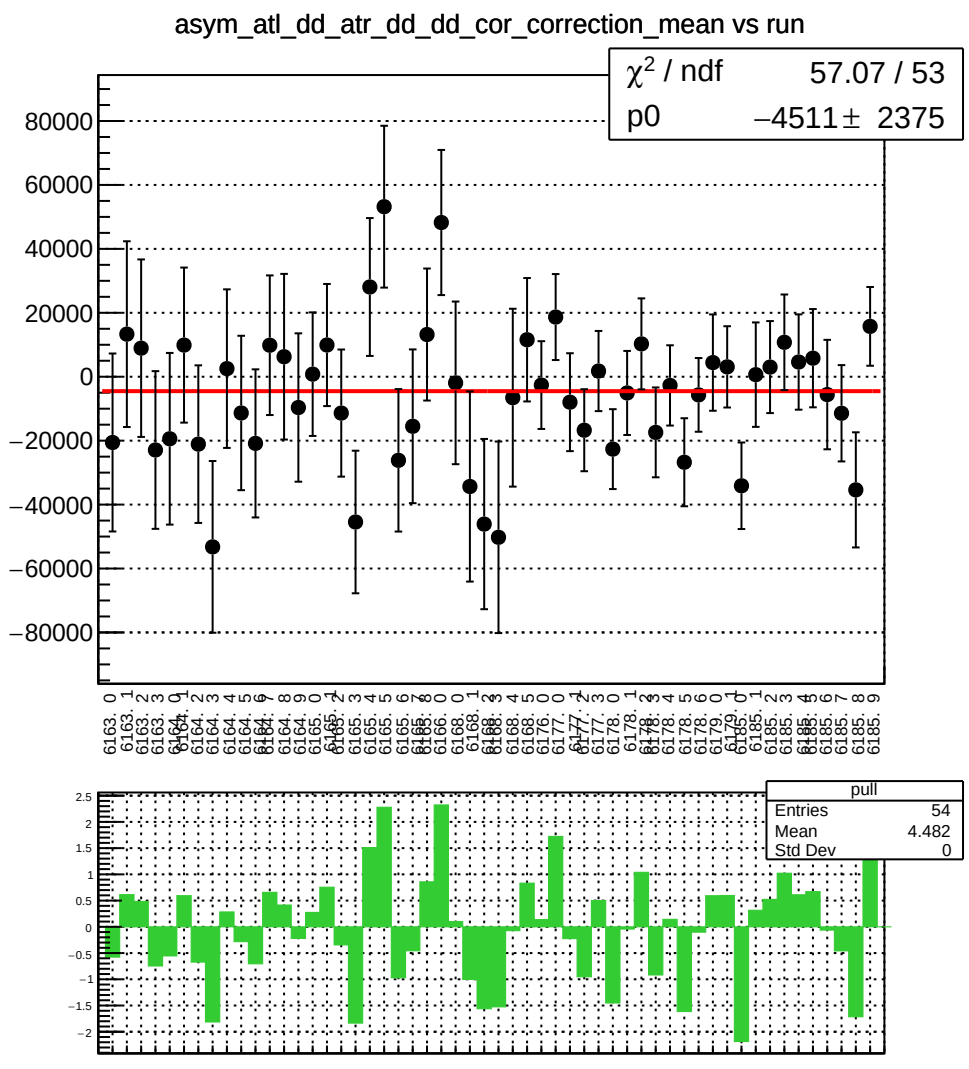
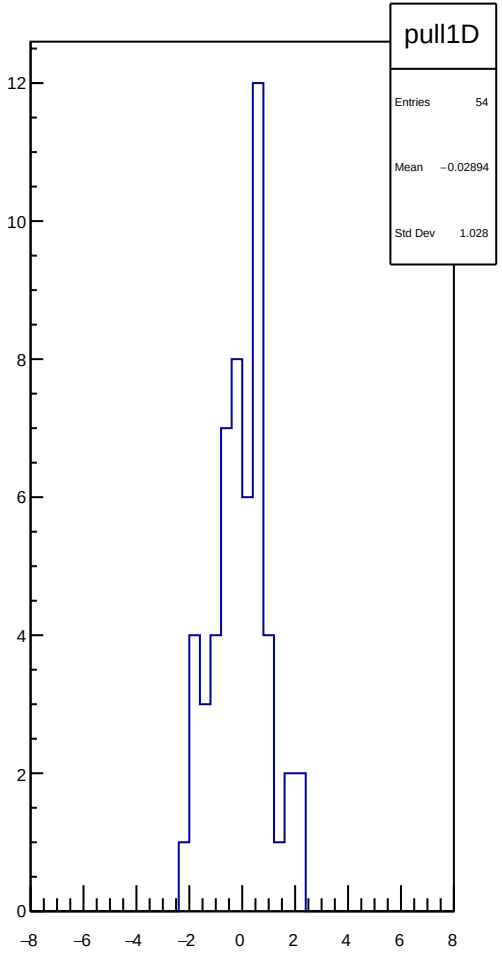
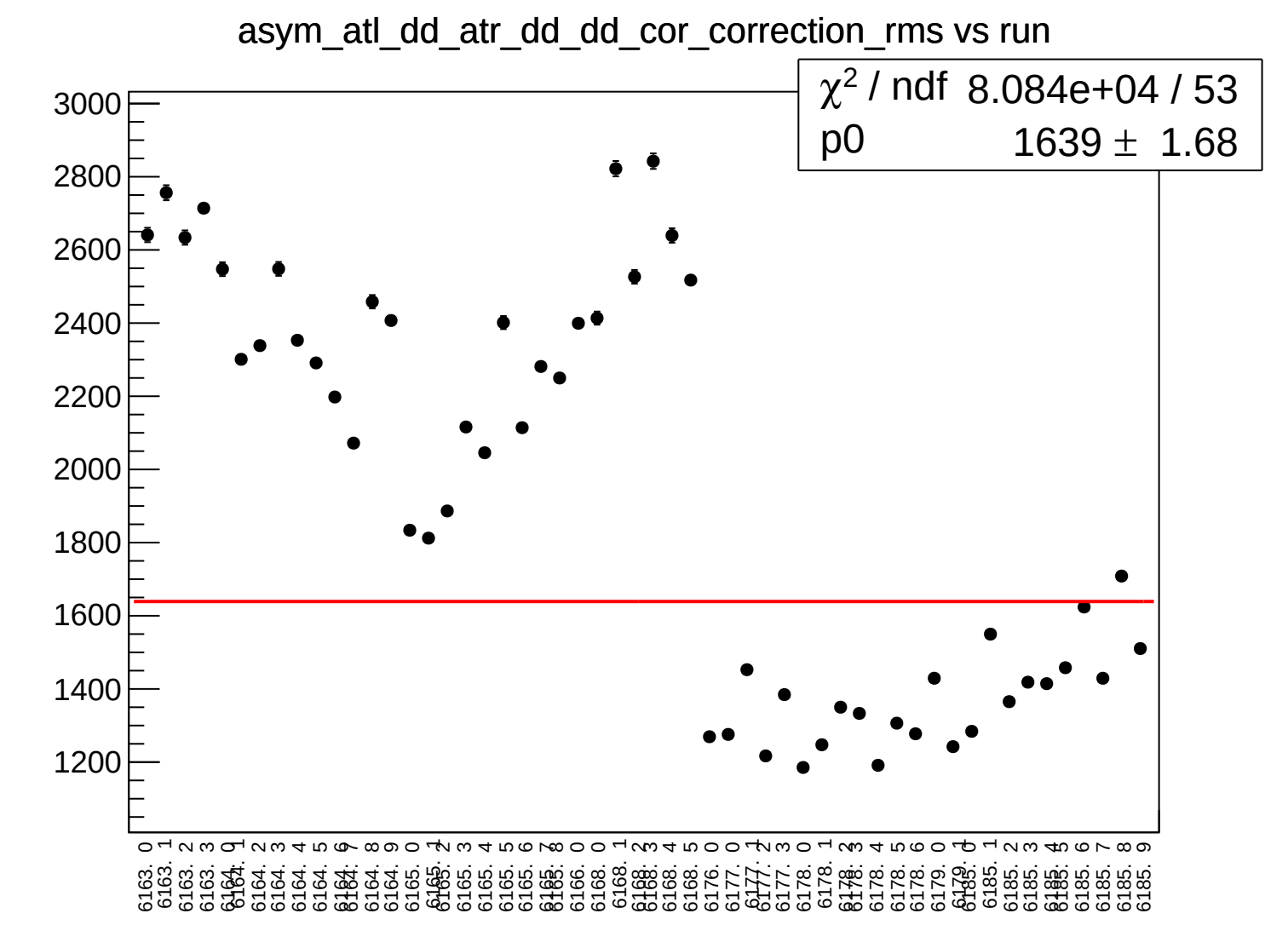
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


asym_atl_dd_atr_dd_dd_cor_correction_mean vs run
χ² / ndf 57.07 / 53
p0 −4511 ± 2375
pull
Entries 54
Mean 4.482
Std Dev 0


pull1D
Entries 54
Mean −0.02894
Std Dev 1.028


asym_atl_dd_atr_dd_dd_cor_correction_rms vs run
χ² / ndf 8.084e+04 / 53
p0 1639 ± 1.68
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
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6185. 2
6185. 3
6185. 6
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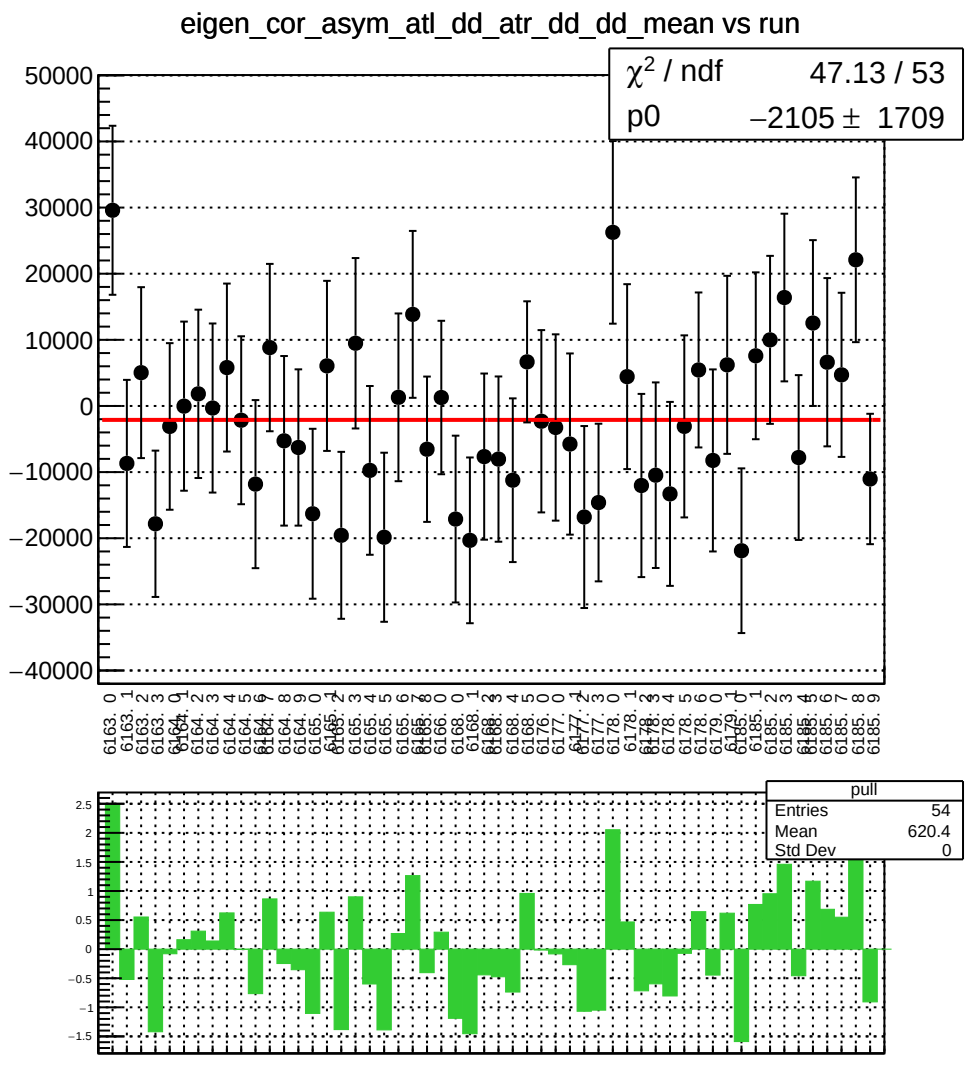
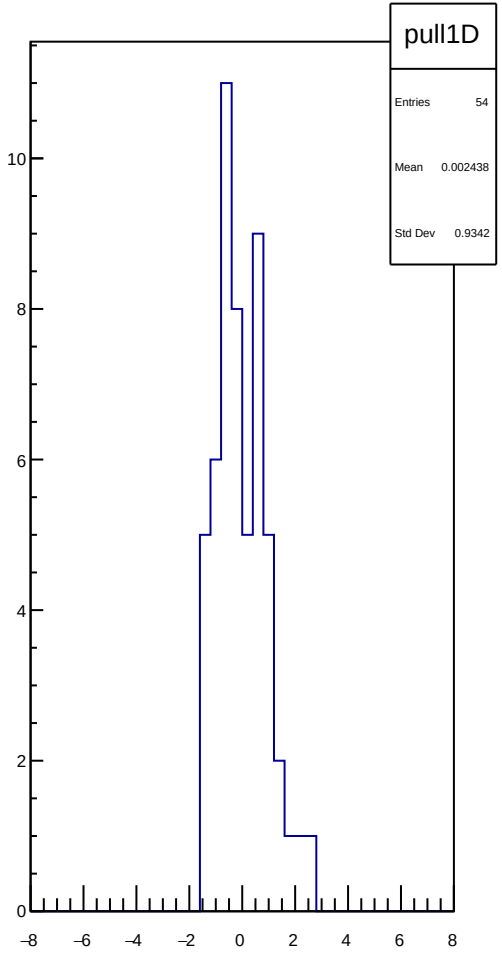
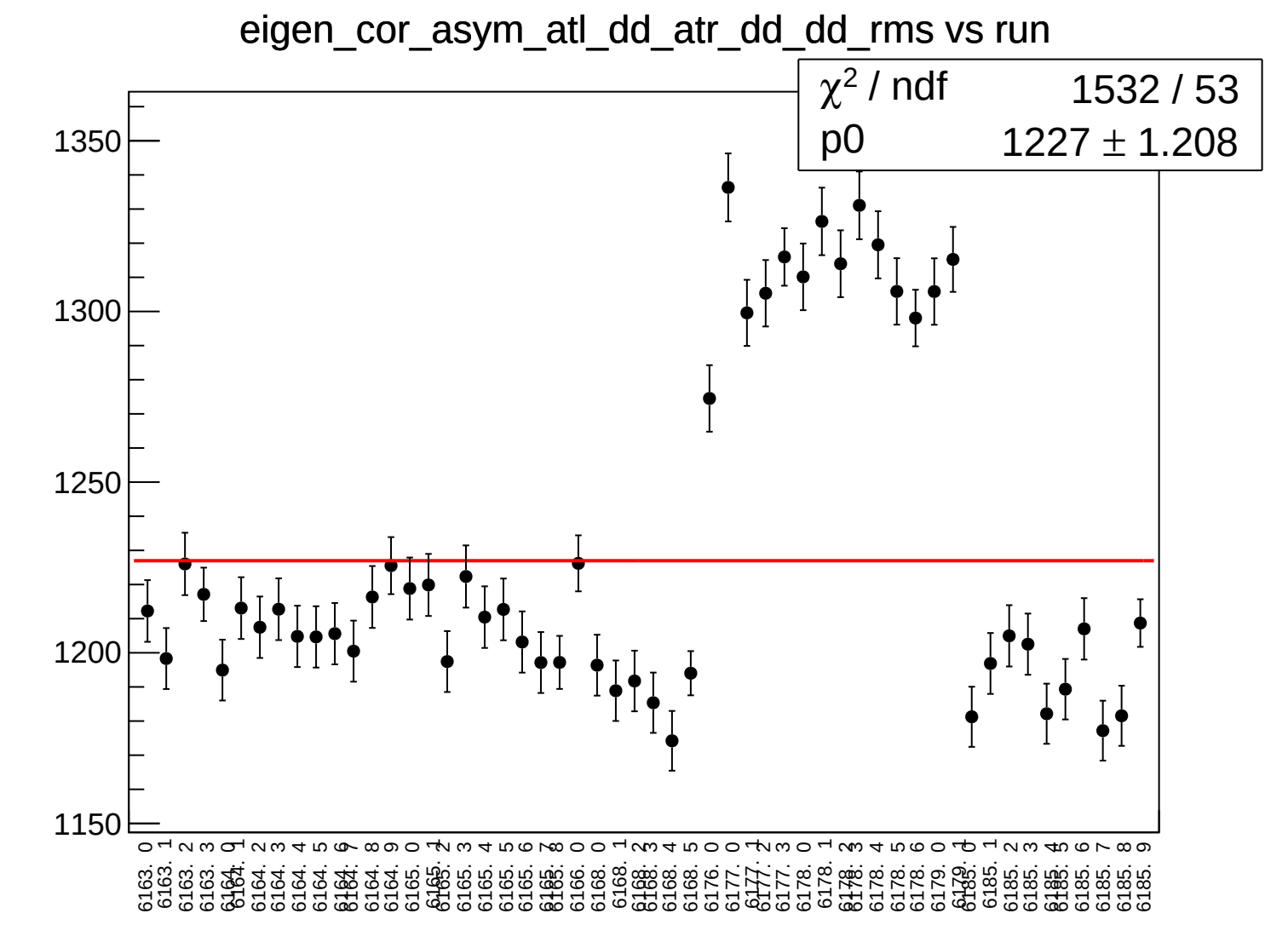
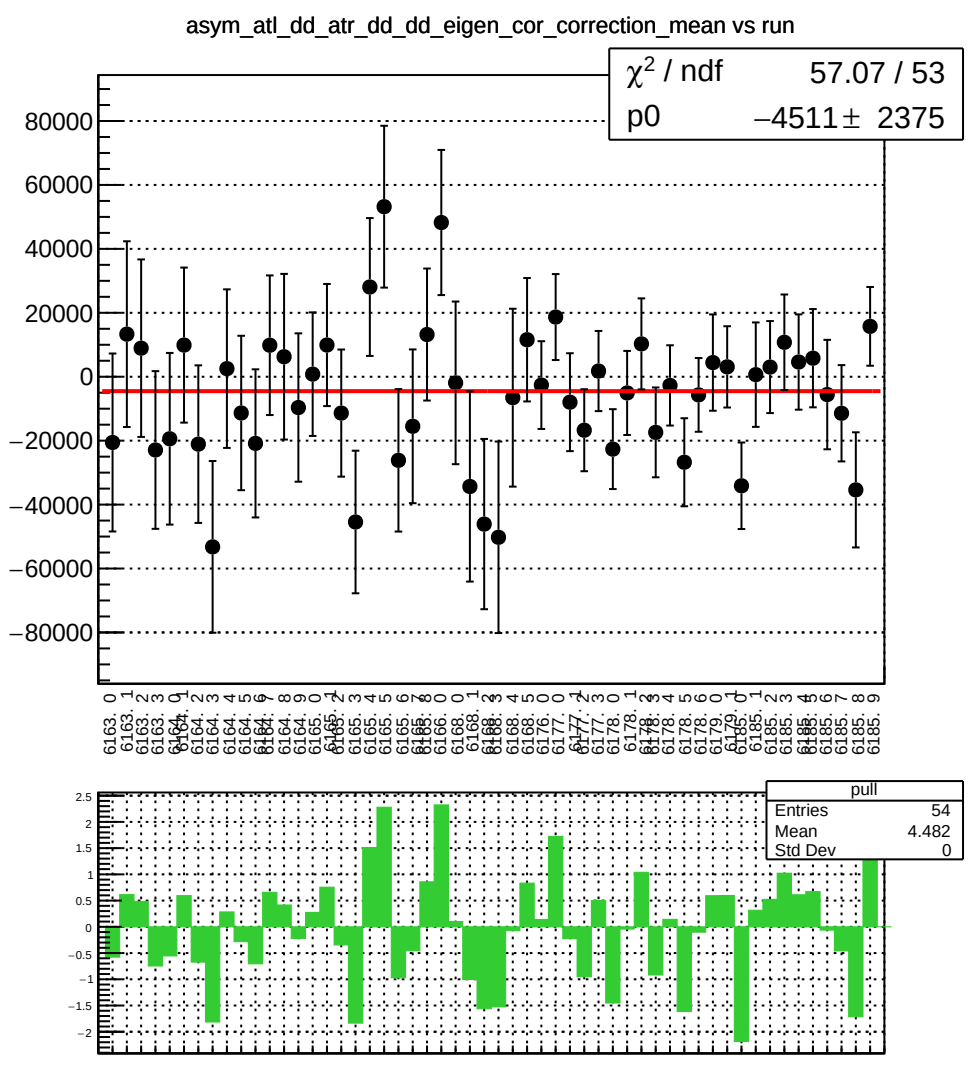
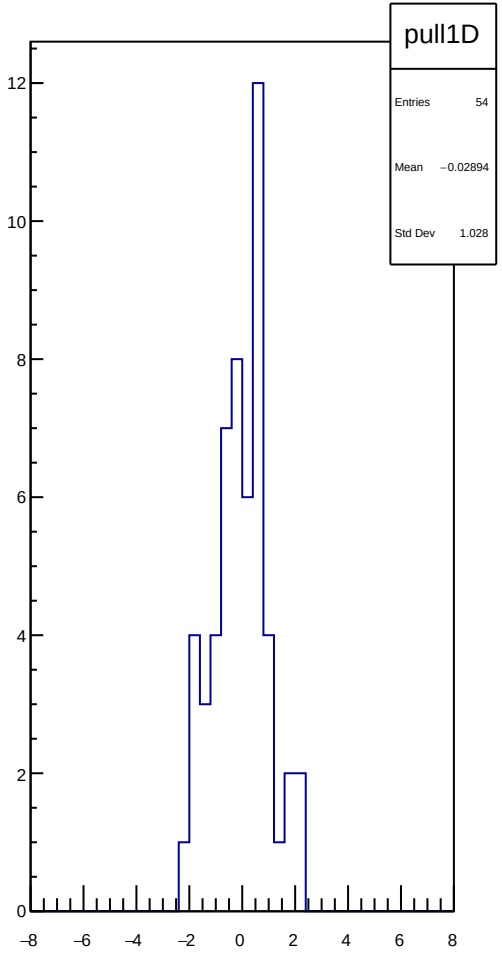
6185. 8
6185. 9

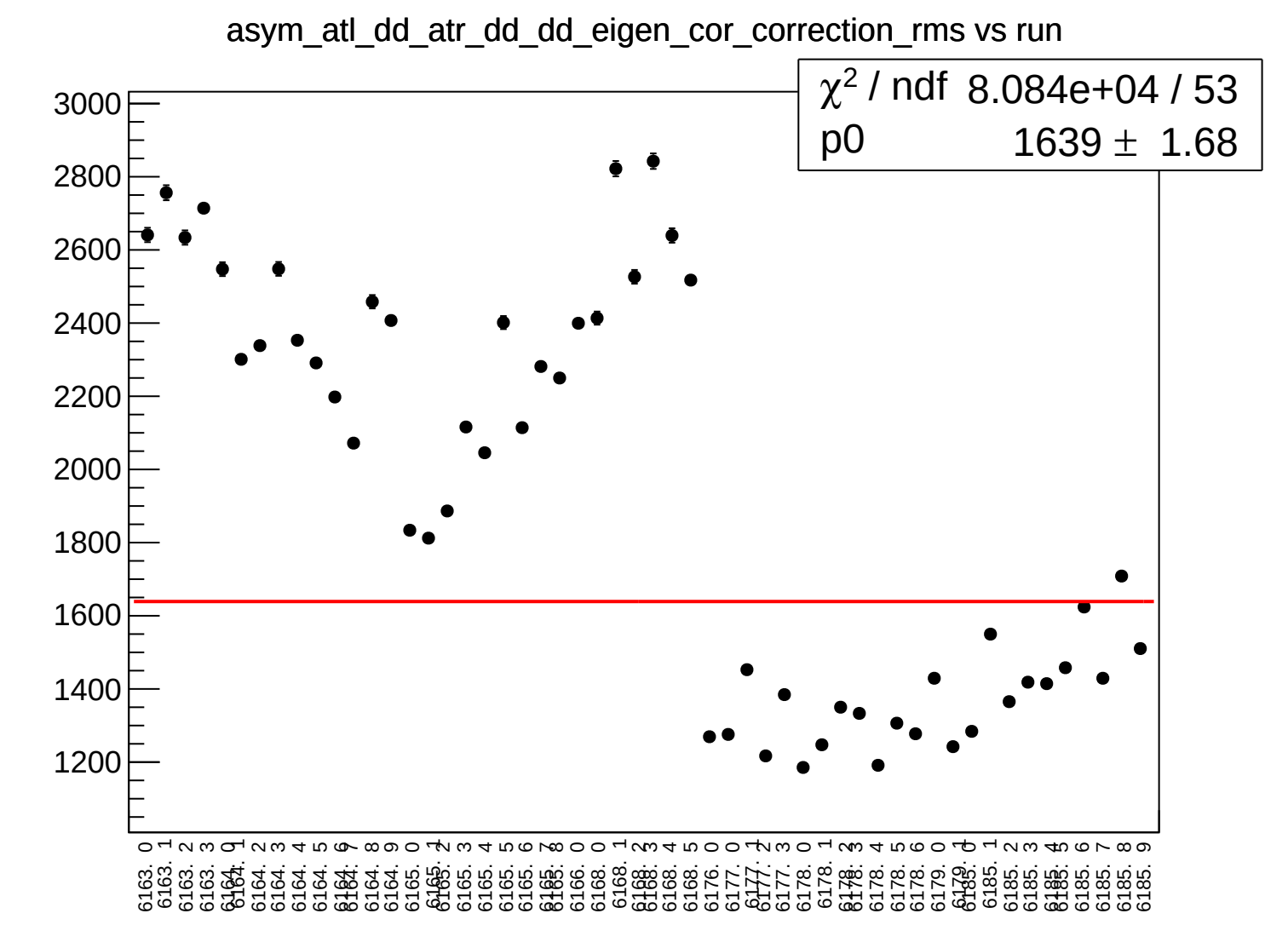

eigen_cor_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 47.13 / 53
p0 −2105 ± 1709
pull
Entries 54
Mean 620.4
Std Dev 0


pull1D
Entries 54
Mean 0.002438
Std Dev 0.9342


eigen_cor_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 1532 / 53
p0 1227 ± 1.208
1350
1300
1250
1200
1150
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


asym_atl_dd_atr_dd_dd_eigen_cor_correction_mean vs run
χ² / ndf 57.07 / 53
p0 −4511 ± 2375
pull
Entries 54
Mean 4.482
Std Dev 0


pull1D
Entries 54
Mean −0.02894
Std Dev 1.028


asym_atl_dd_atr_dd_dd_eigen_cor_correction_rms vs run
χ² / ndf 8.084e+04 / 53
p0 1639 ± 1.68
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
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6164. 8
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6165. 0
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6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
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6179. 0
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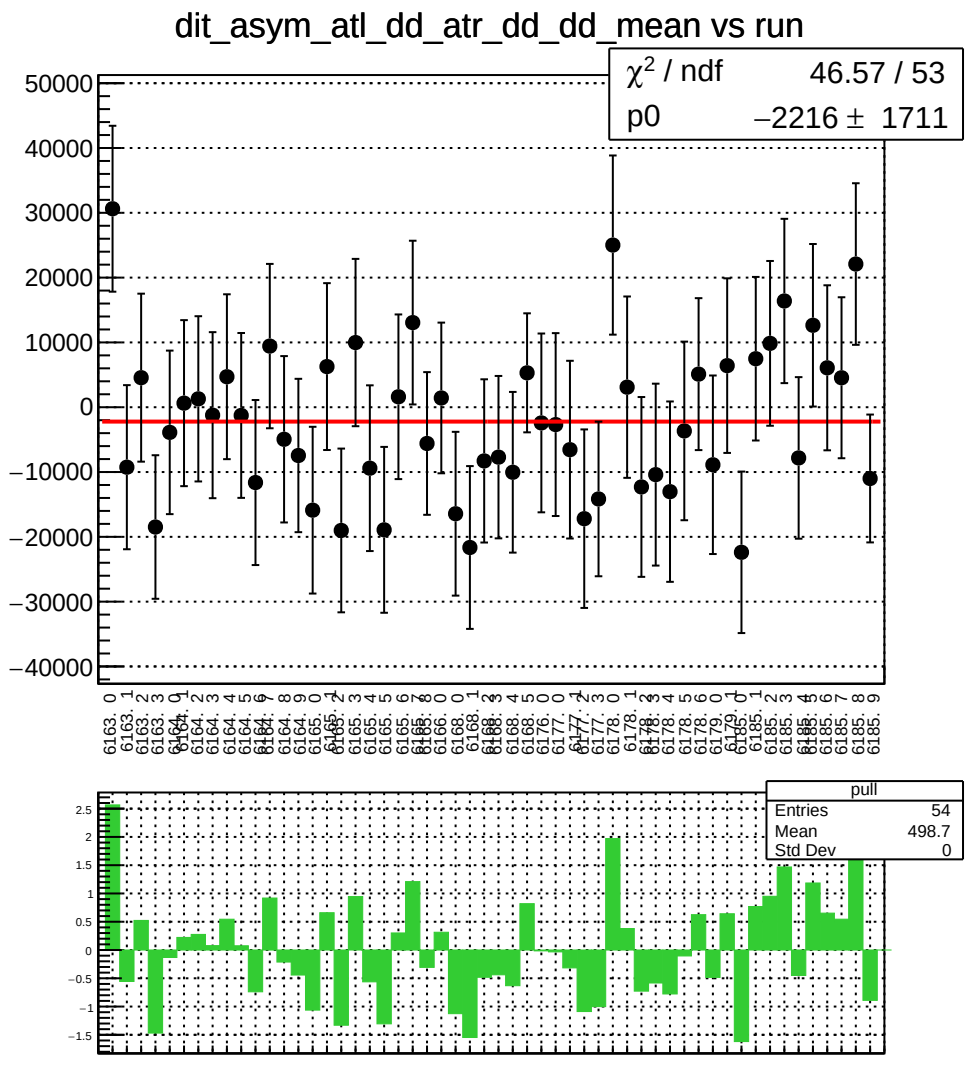
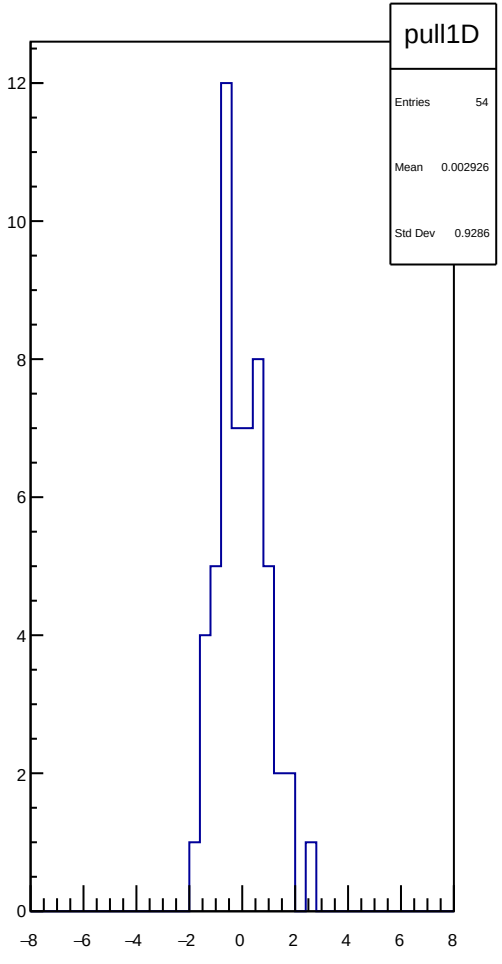
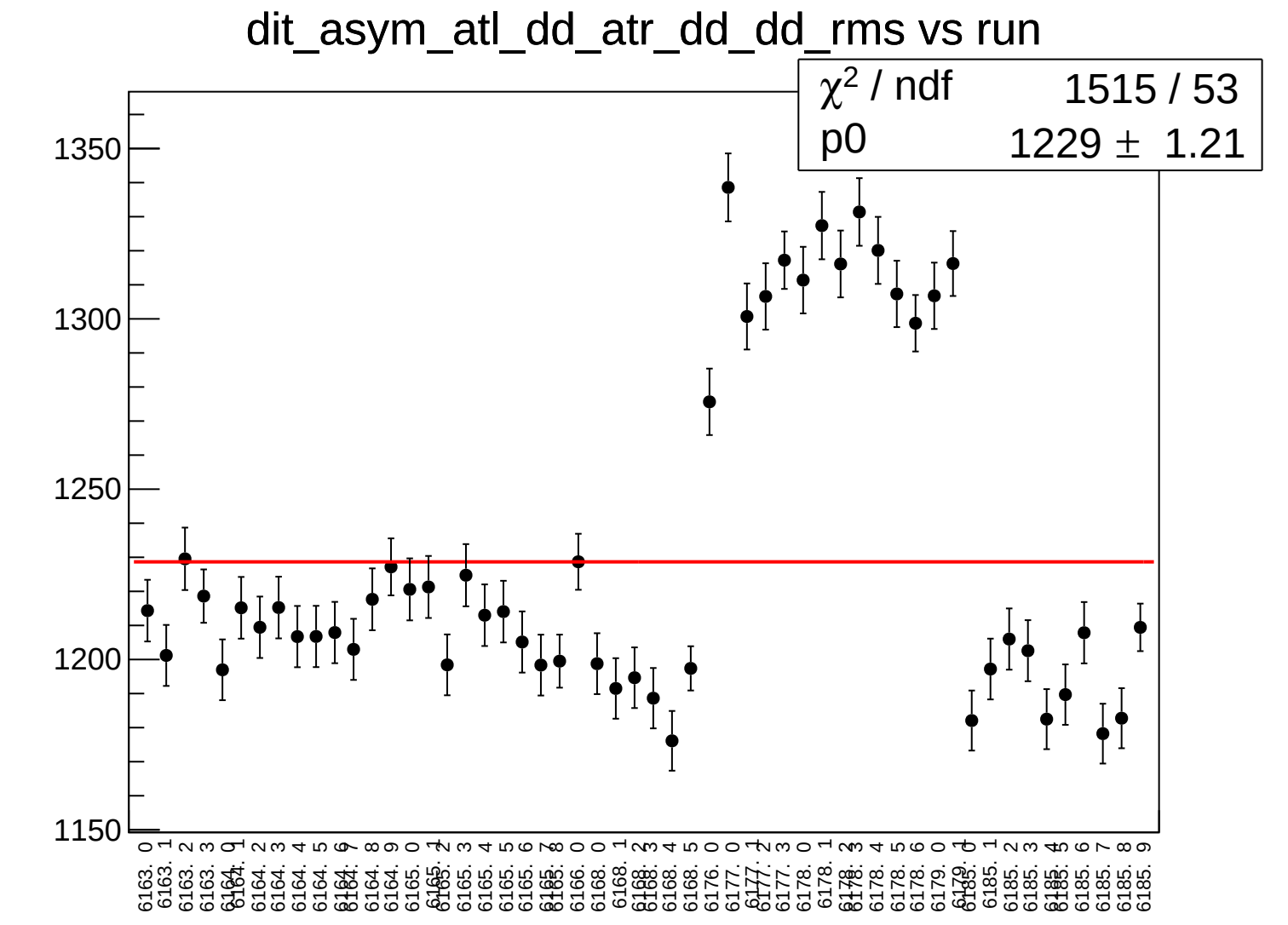
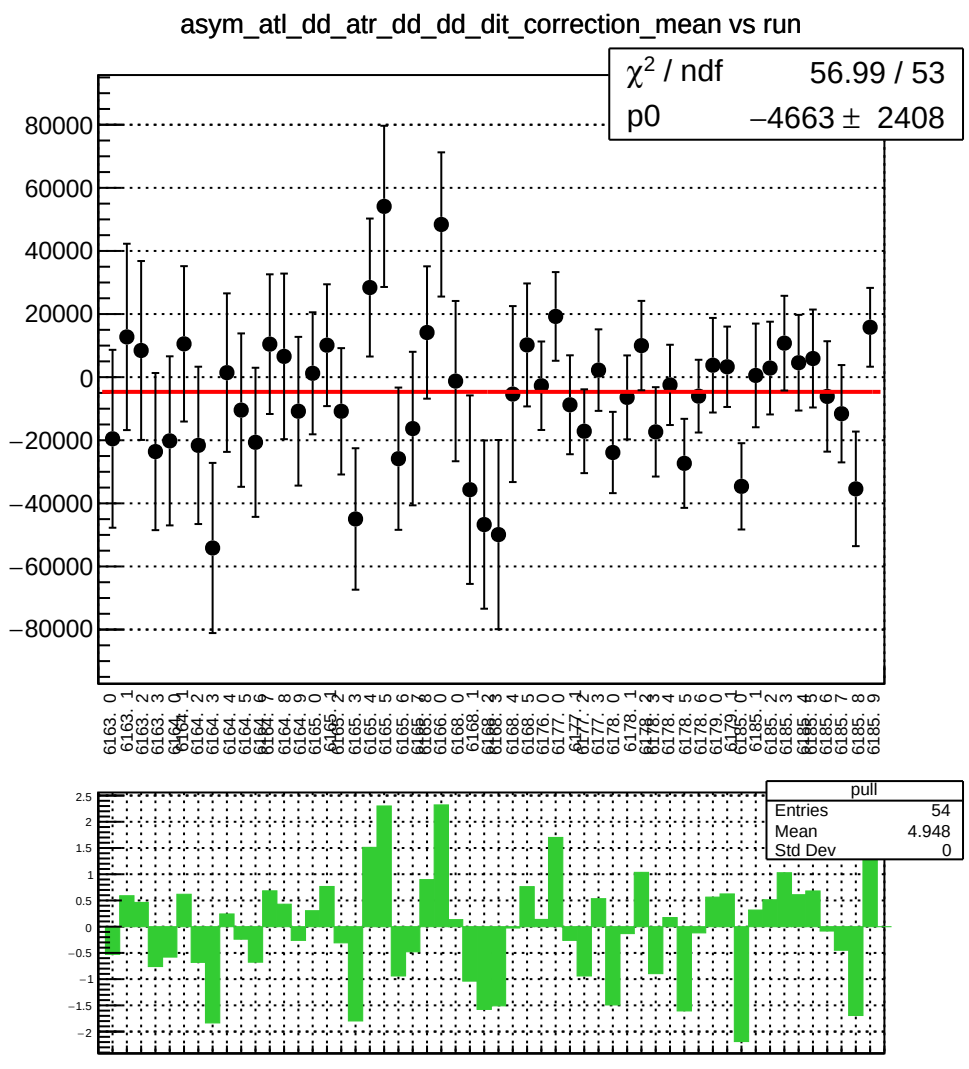
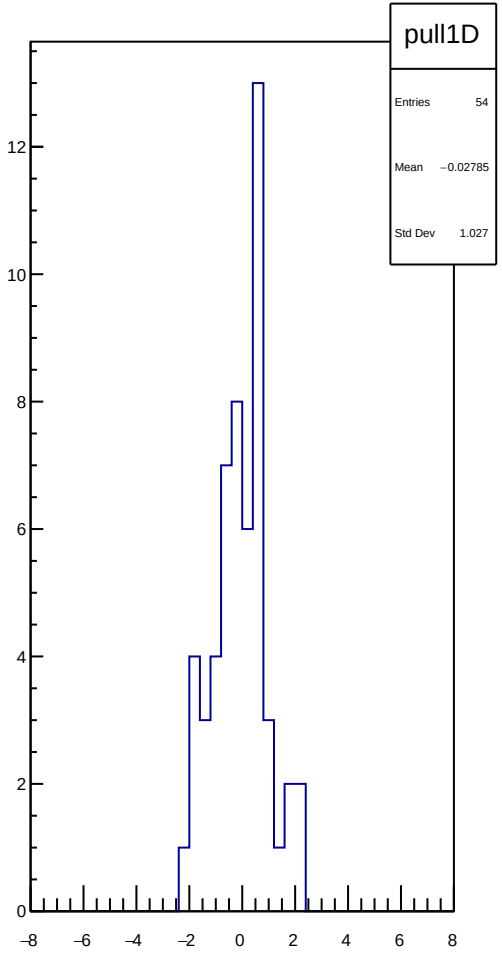
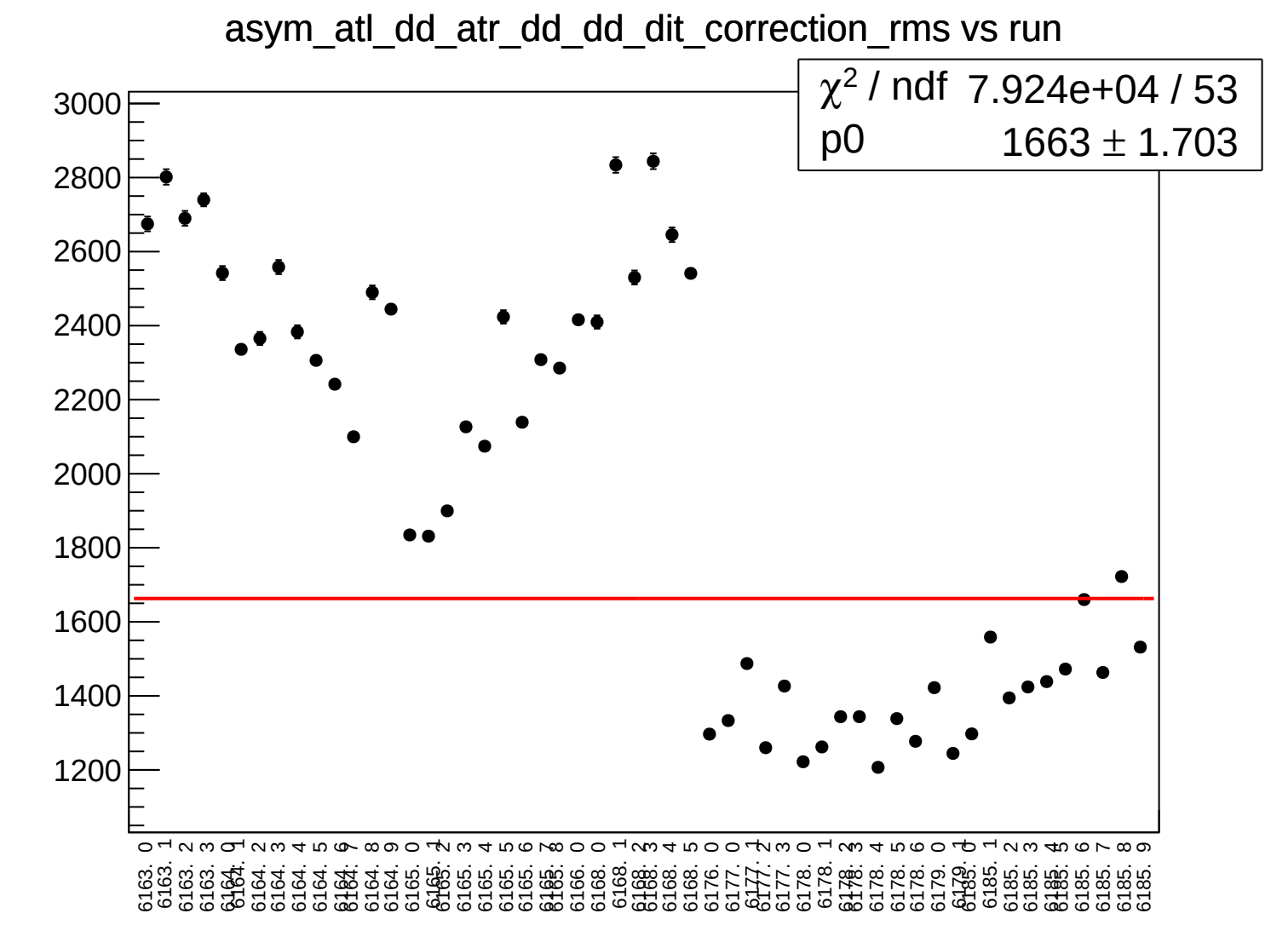

dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 46.57 / 53
p0 −2216 ± 1711
pull
Entries 54
Mean 498.7
Std Dev 0

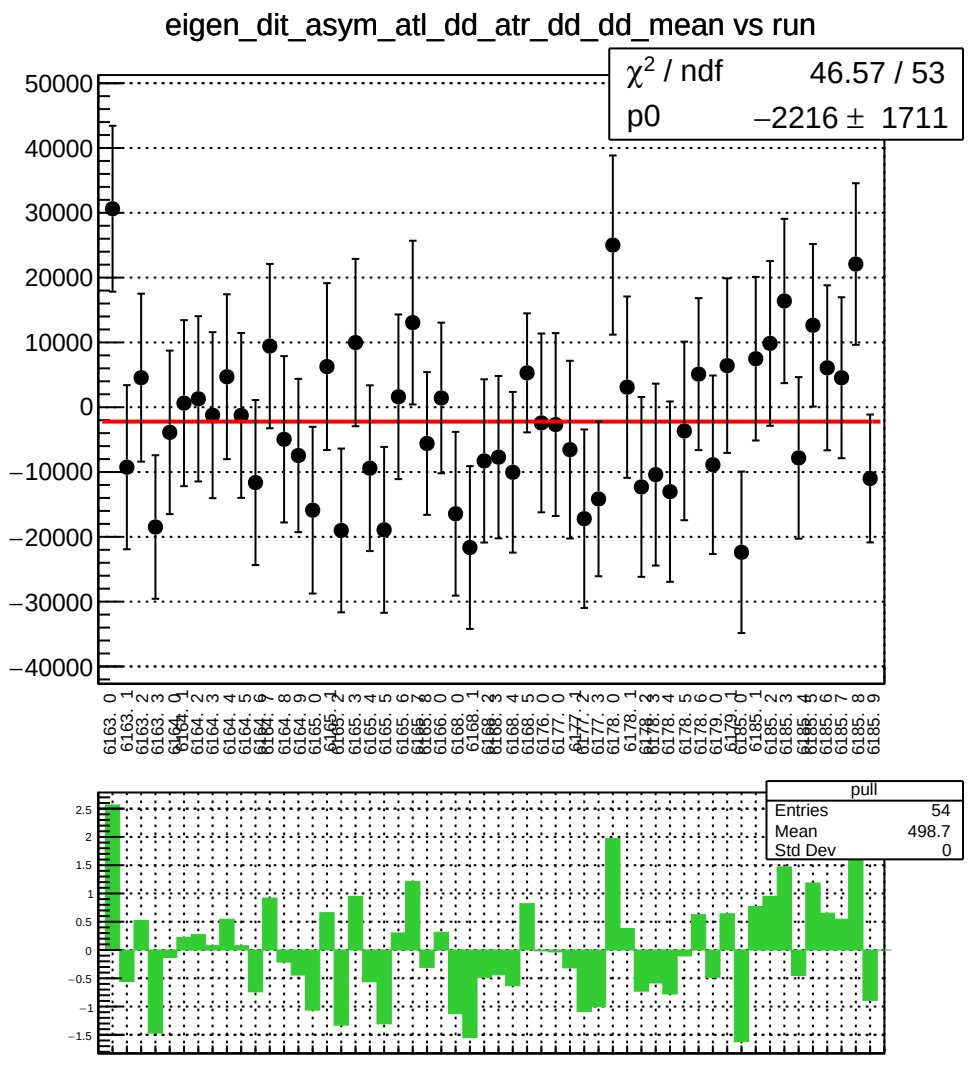

pull1D
Entries 54
Mean 0.002926
Std Dev 0.9286

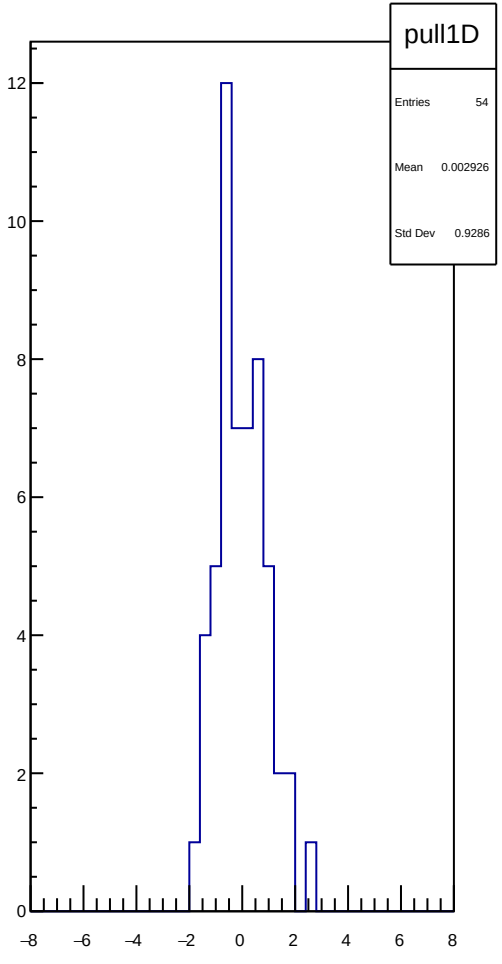

dit_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 1515 / 53
p0 1229 ± 1.21
1350
1300
1250
1200
1150
6163. 0
6163. 1
6163. 2
6163. 3
6163. 4
6163. 5
6163. 6
6163. 7
6163. 8
6163. 9
6164. 0
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 6
6164. 7
6164. 8
6164. 9
6165. 0
6165. 1
6165. 2
6165. 3
6165. 4
6165. 5
6165. 6
6165. 7
6165. 8
6165. 9
6166. 0
6168. 0
6168. 1
6168. 2
6168. 3
6168. 4
6168. 5
6176. 0
6177. 0
6177. 1
6177. 2
6177. 3
6178. 0
6178. 1
6178. 2
6178. 3
6178. 4
6178. 5
6178. 6
6179. 0
6179. 1
6185. 0
6185. 1
6185. 2
6185. 3
6185. 4
6185. 5
6185. 6
6185. 7
6185. 8
6185. 9

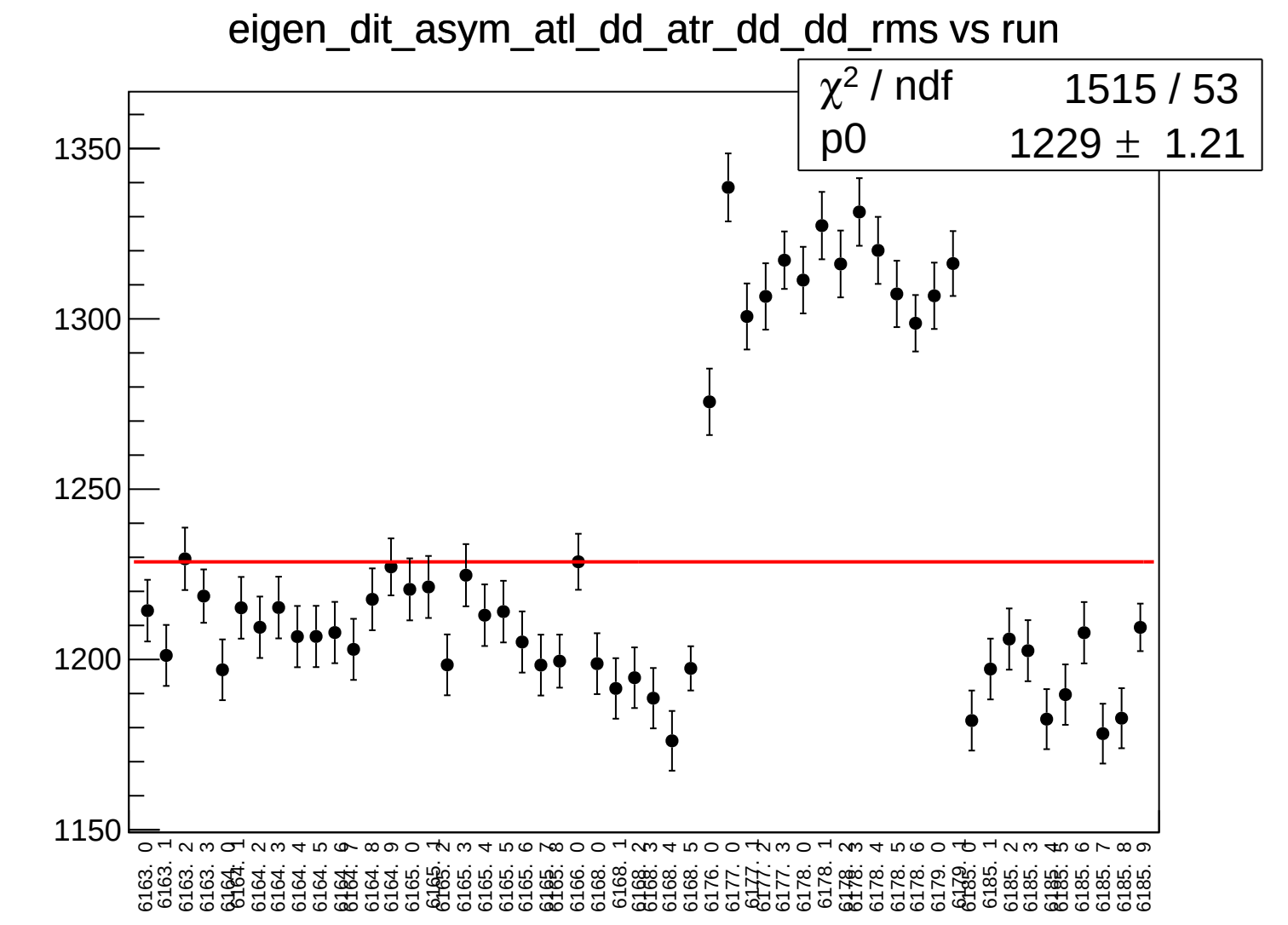

asym_atl_dd_atr_dd_dd_dit_correction_mean vs run
χ² / ndf 56.99 / 53
p0 −4663 ± 2408
pull
Entries 54
Mean 4.948
Std Dev 0

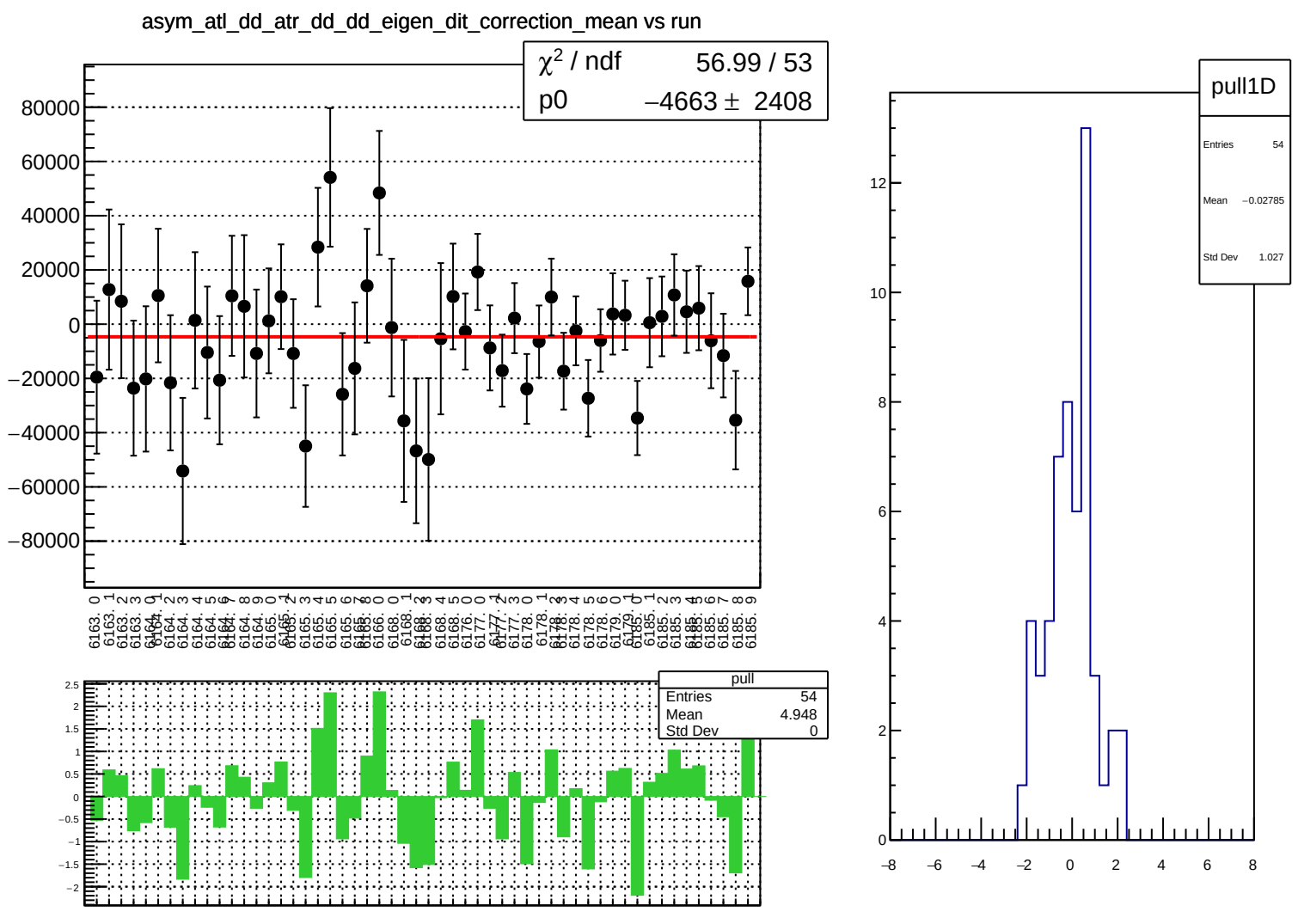

pull1D
Entries 54
Mean −0.02785
Std Dev 1.027

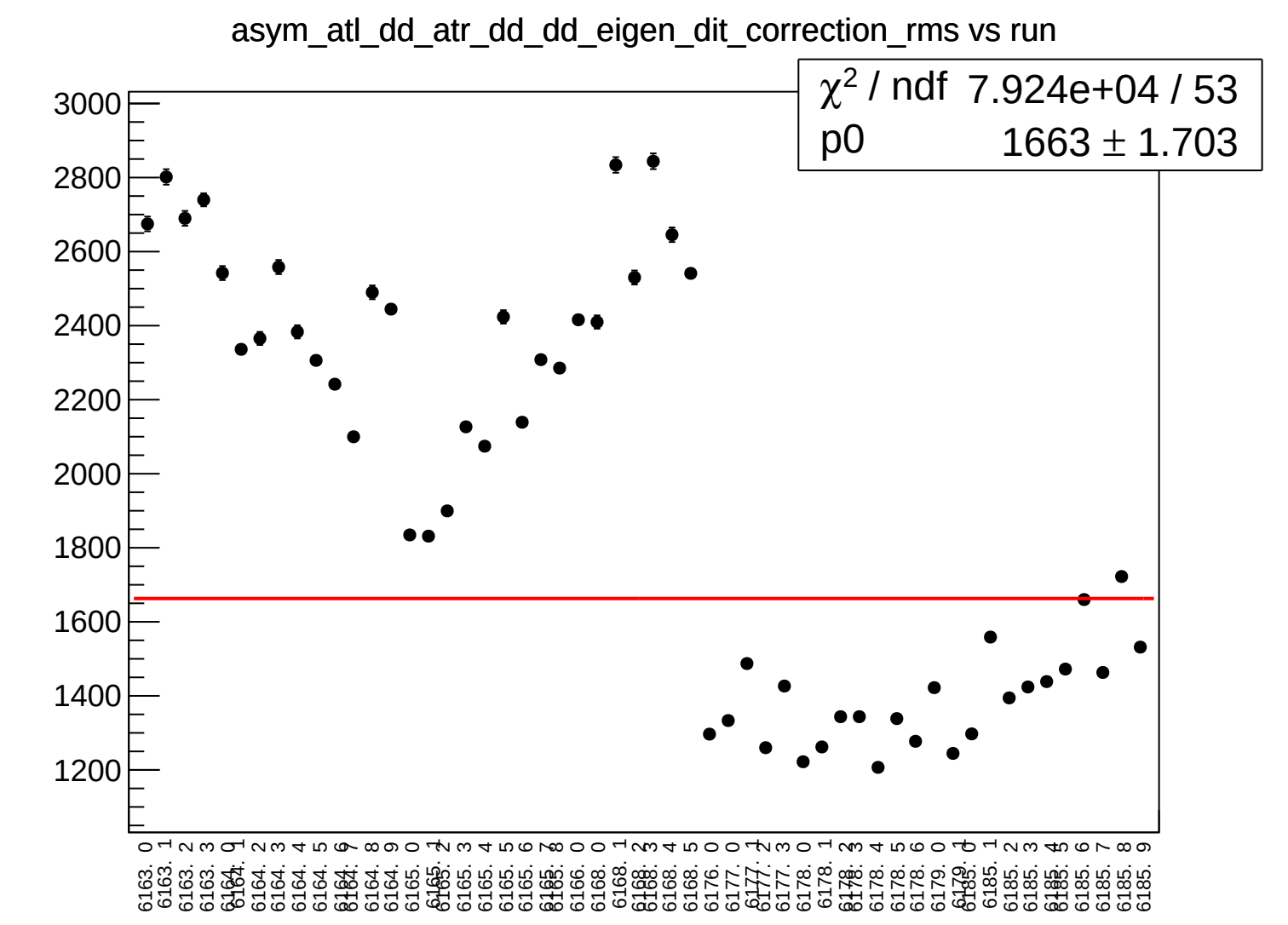

asym_atl_dd_atr_dd_dd_dit_correction_rms vs run
χ² / ndf 7.924e+04 / 53
p0 1663 ± 1.703
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

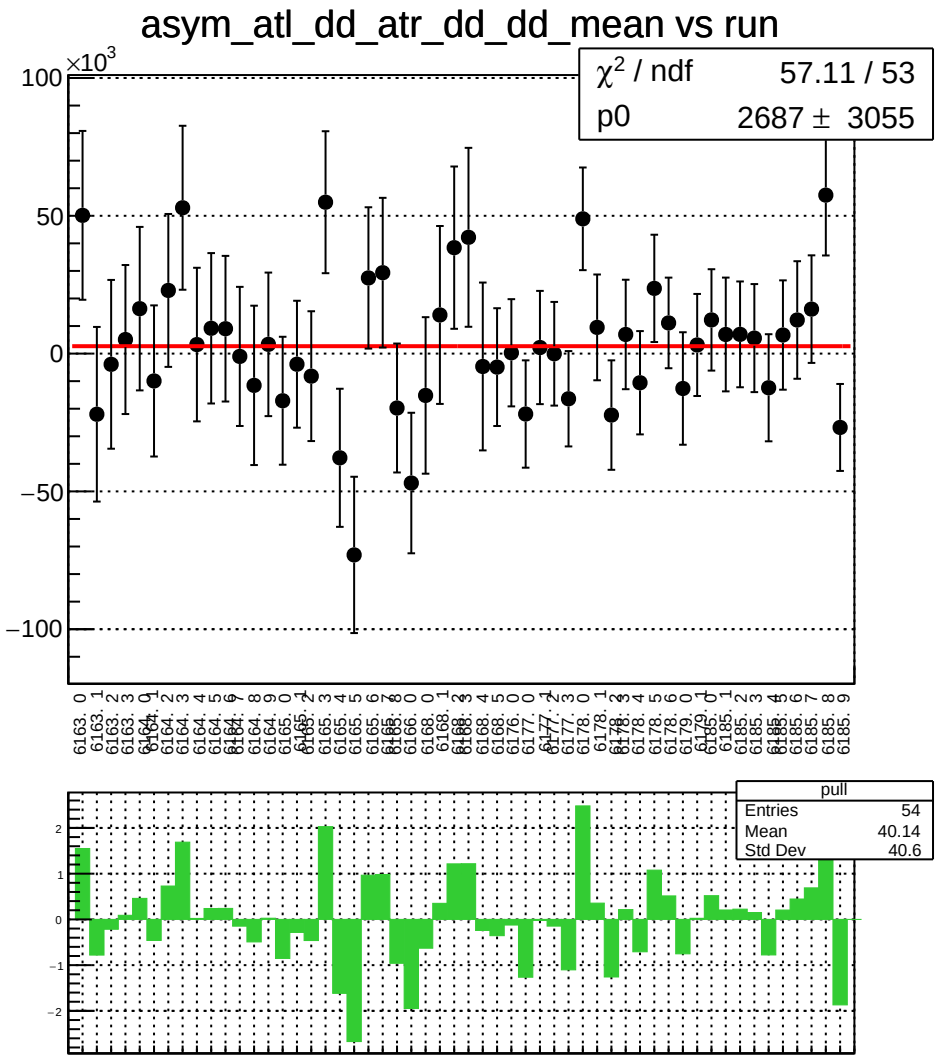

eigen_dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 46.57 / 53
p0 −2216 ± 1711
pull
Entries 54
Mean 498.7
Std Dev 0

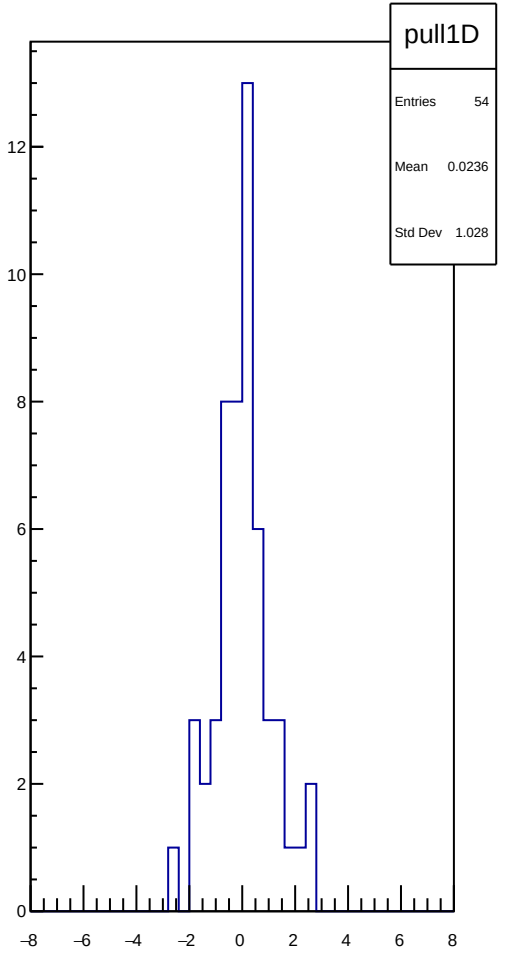

pull1D
Entries 54
Mean 0.002926
Std Dev 0.9286

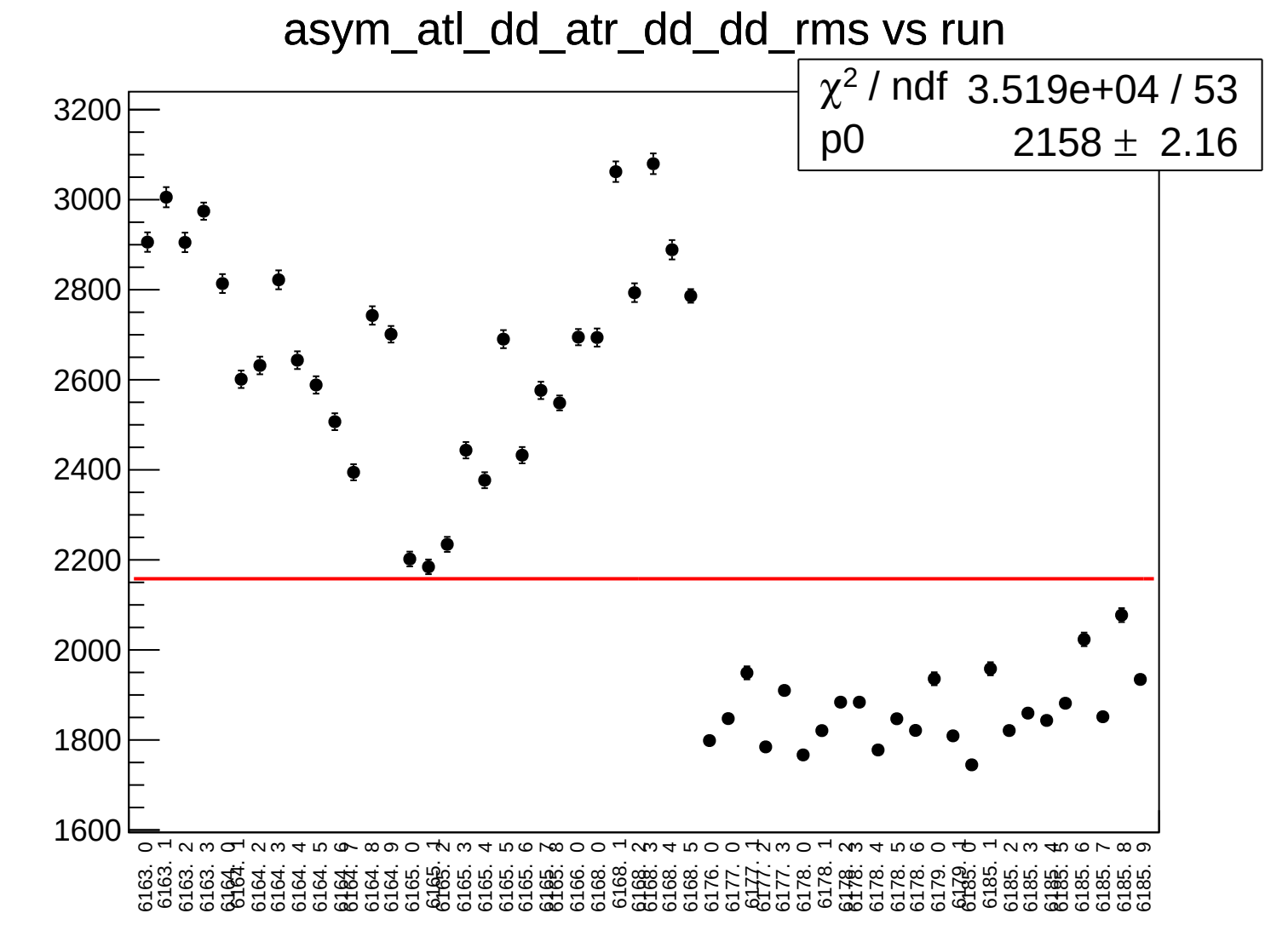

eigen_dit_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 1515 / 53
p0 1229 ± 1.21
1350
1300
1250
1200
1150
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

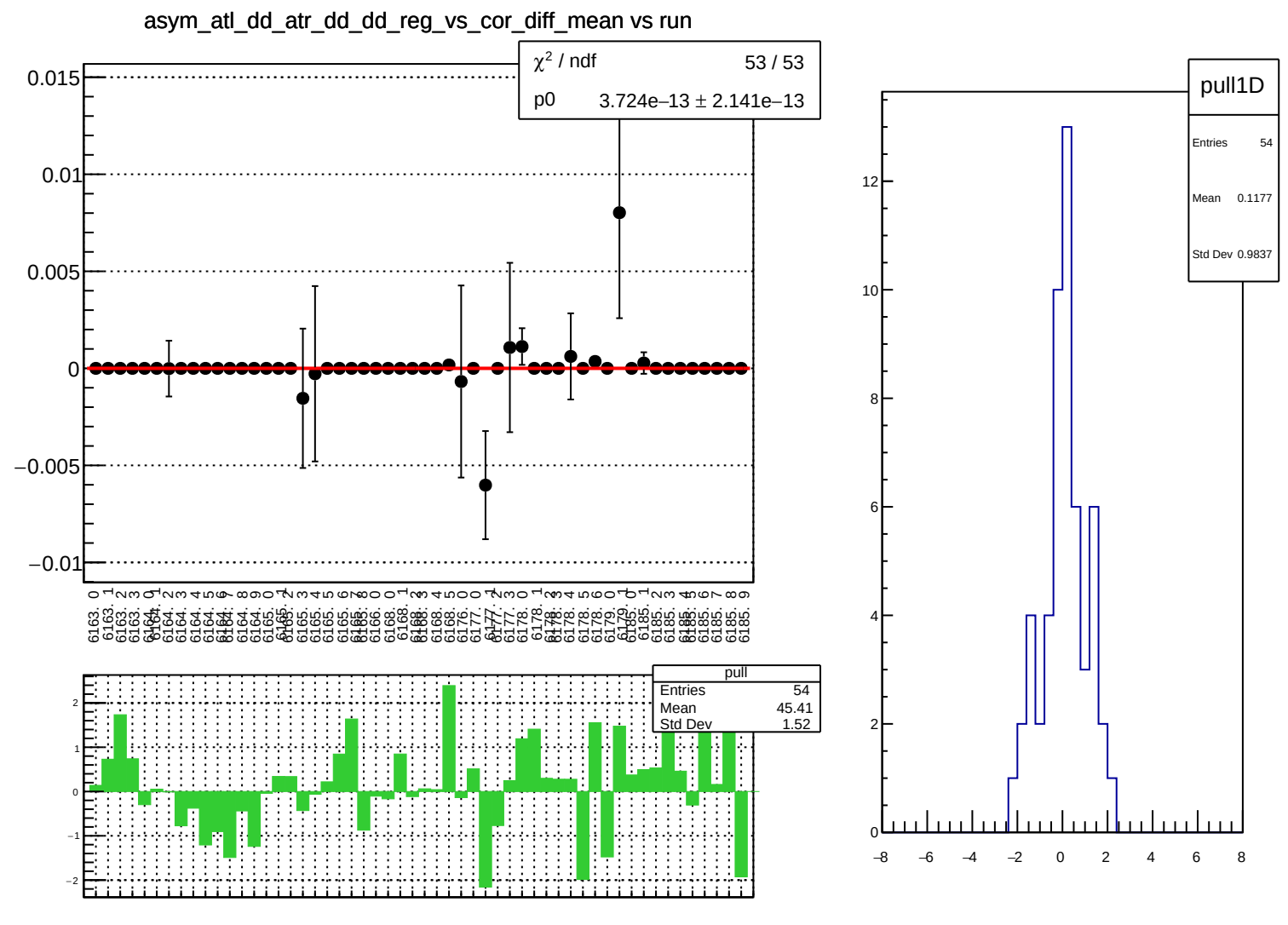

asym_atl_dd_atr_dd_dd_eigen_dit_correction_mean vs run
χ² / ndf 56.99 / 53
p0 −4663 ± 2408
pull
Entries 54
Mean 4.948
Std Dev 0
pull1D
Entries 54
Mean −0.02785
Std Dev 1.027

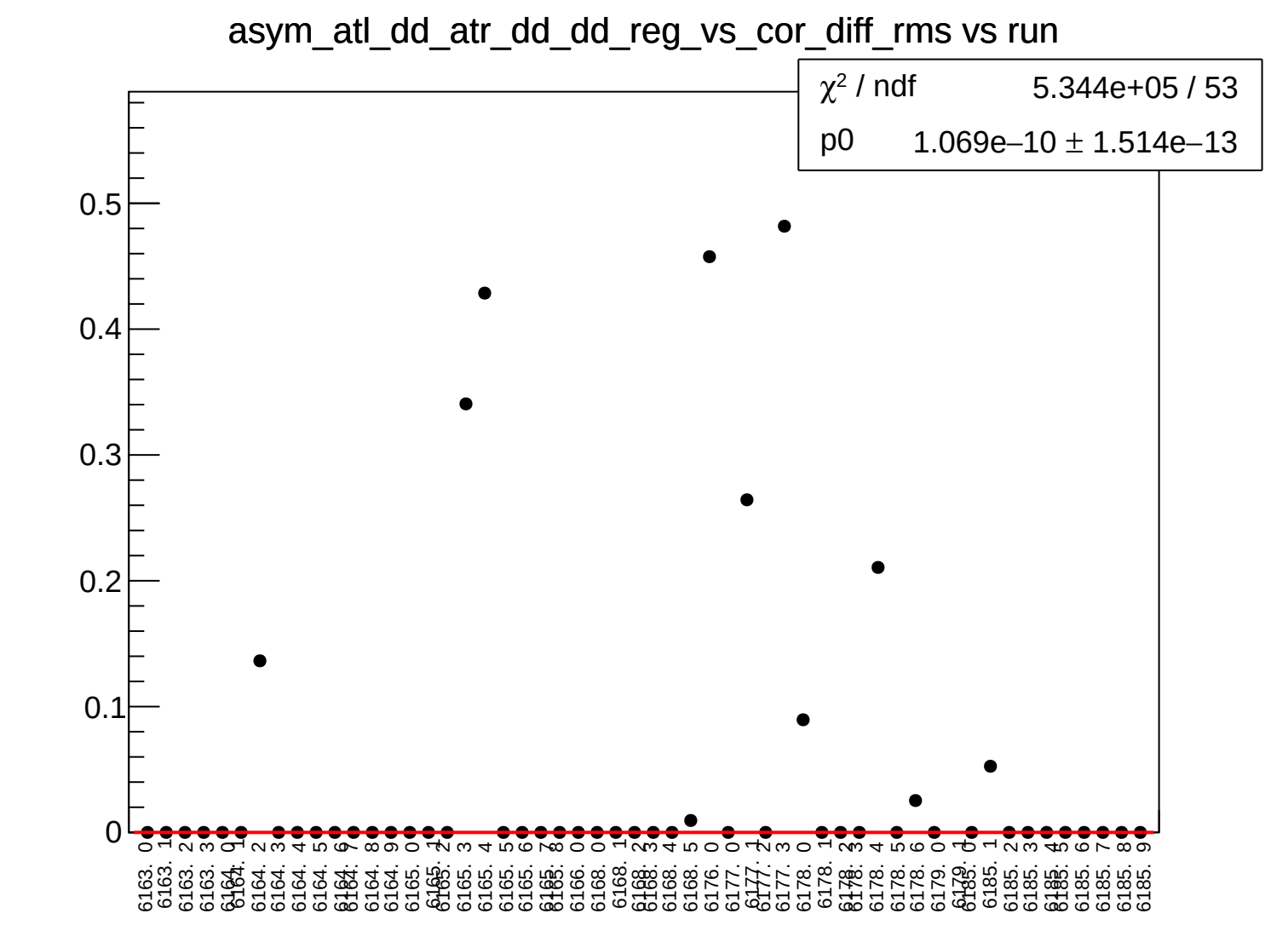

asym_atl_dd_atr_dd_dd_eigen_dit_correction_rms vs run
χ² / ndf 7.924e+04 / 53
p0 1663 ± 1.703
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


asym_atl_dd_atr_dd_dd_mean vs run
×10^3
χ² / ndf 57.11 / 53
p0 2687 ± 3055
pull
Entries 54
Mean 40.14
Std Dev 40.6


pull1D
Entries 54
Mean 0.0236
Std Dev 1.028


asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 3.519e+04 / 53
p0 2158 ± 2.16
3200
3000
2800
2600
2400
2200
2000
1800
1600
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


asym_atl_dd_atr_dd_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 53 / 53
p0 3.724e−13 ± 2.141e−13
0.015
0.01
0.005
0
−0.005
−0.01
pull
Entries 54
Mean 45.41
Std Dev 1.52
pull1D
Entries 54
Mean 0.1177
Std Dev 0.9837


asym_atl_dd_atr_dd_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.344e+05 / 53
p0 1.069e−10 ± 1.514e−13
0.5
0.4
0.3
0.2
0.1
0
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6165. 7
6166. 0
6168. 1
6168. 2
6168. 3
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
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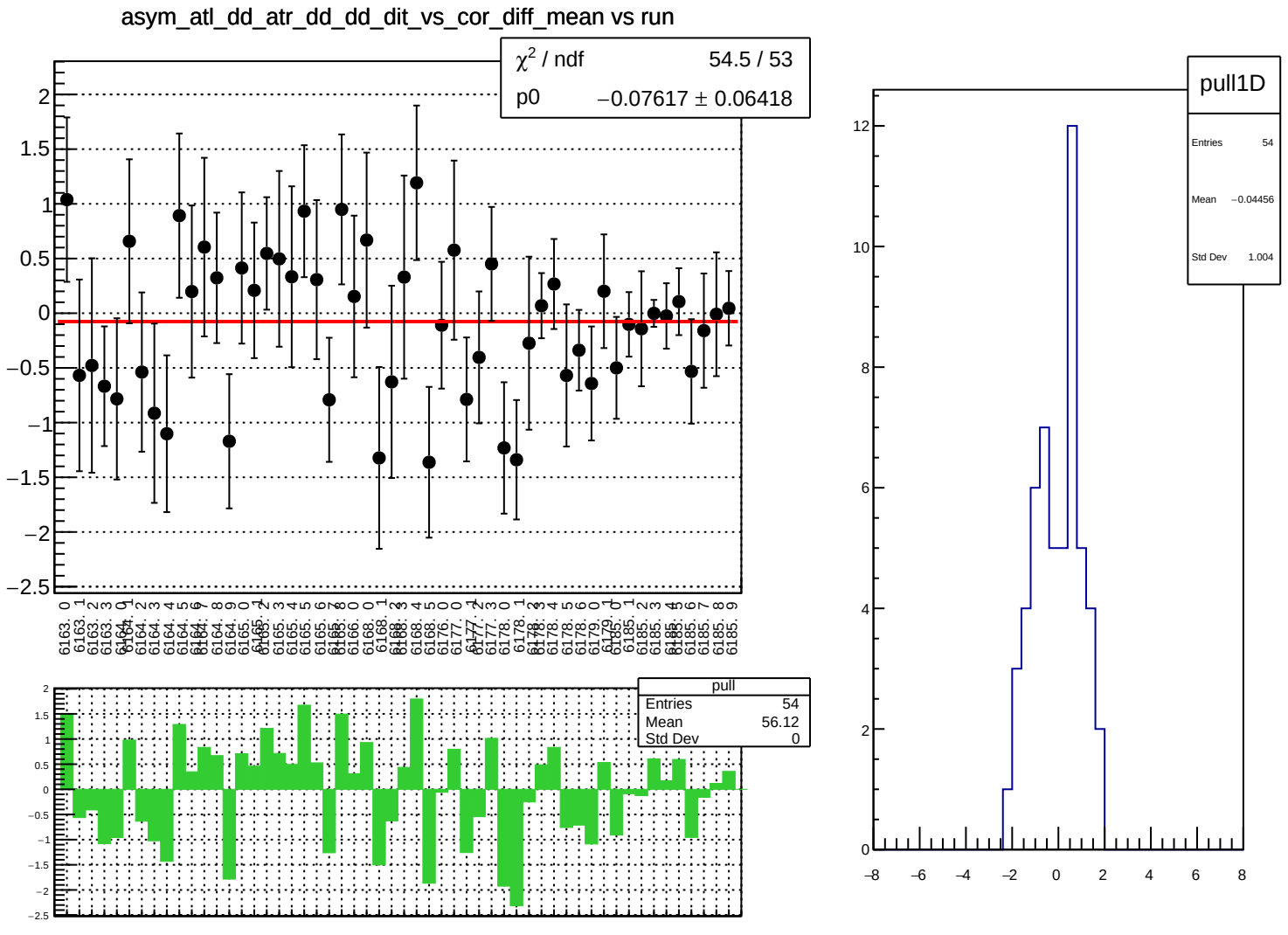
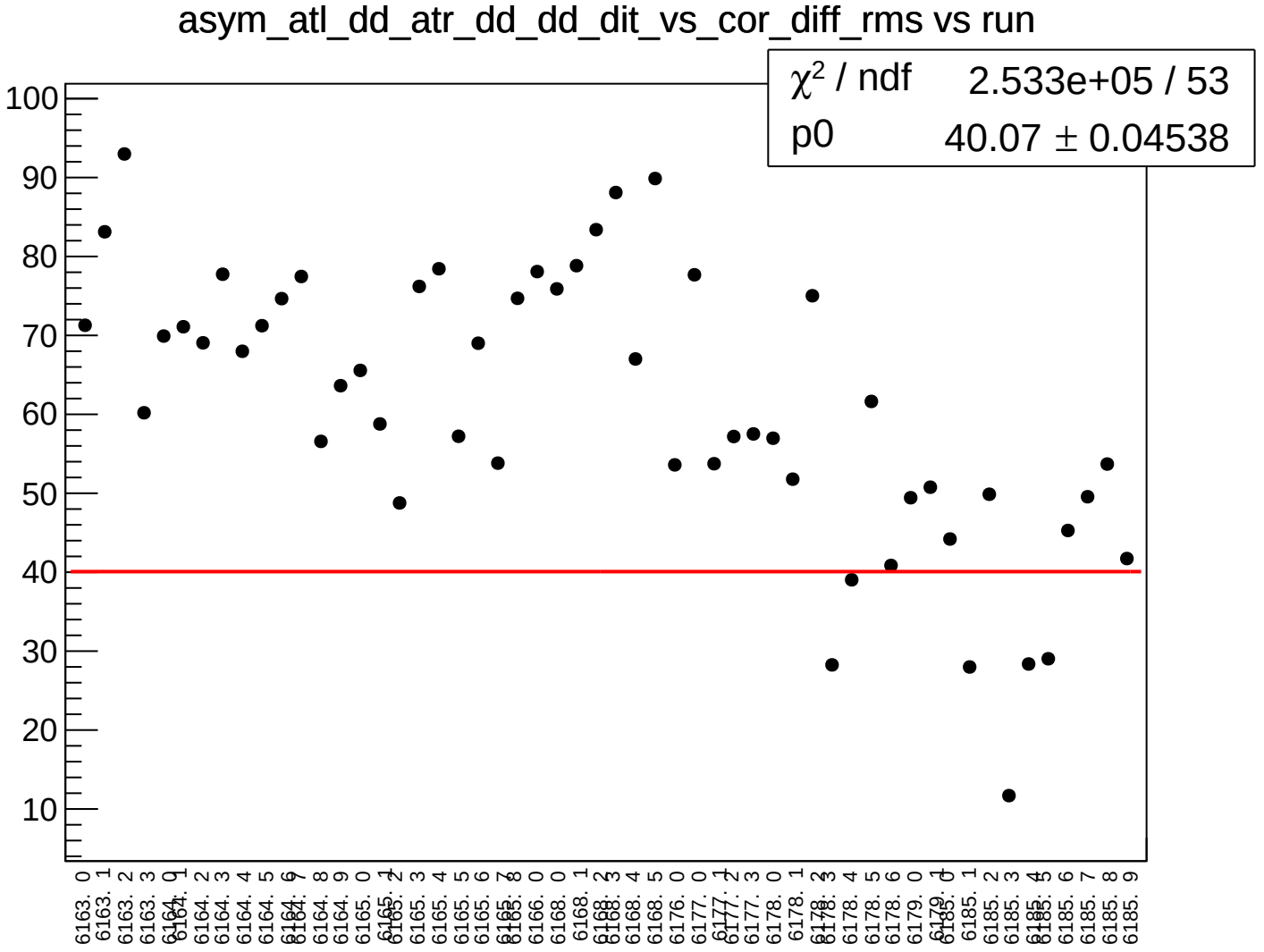
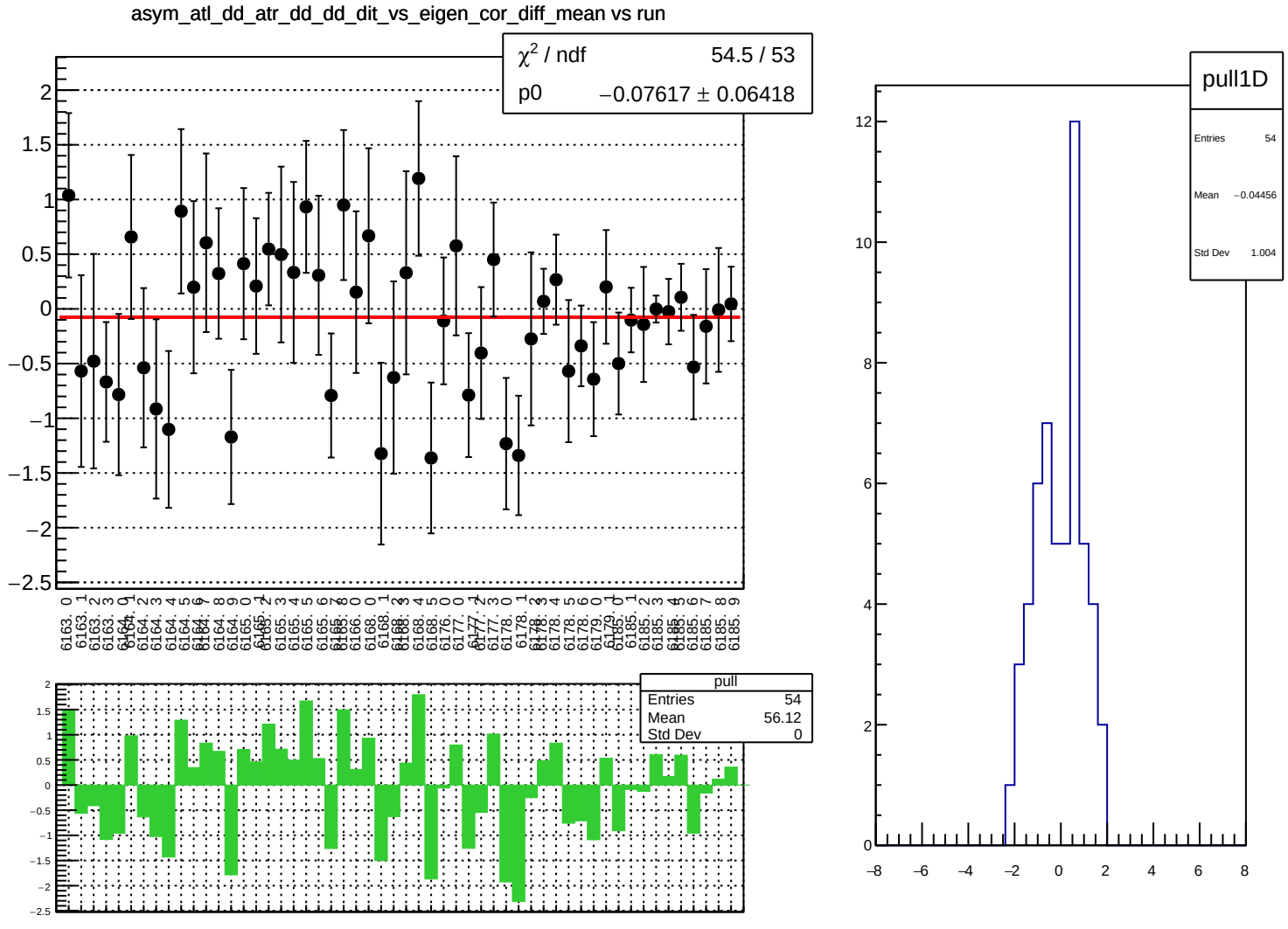
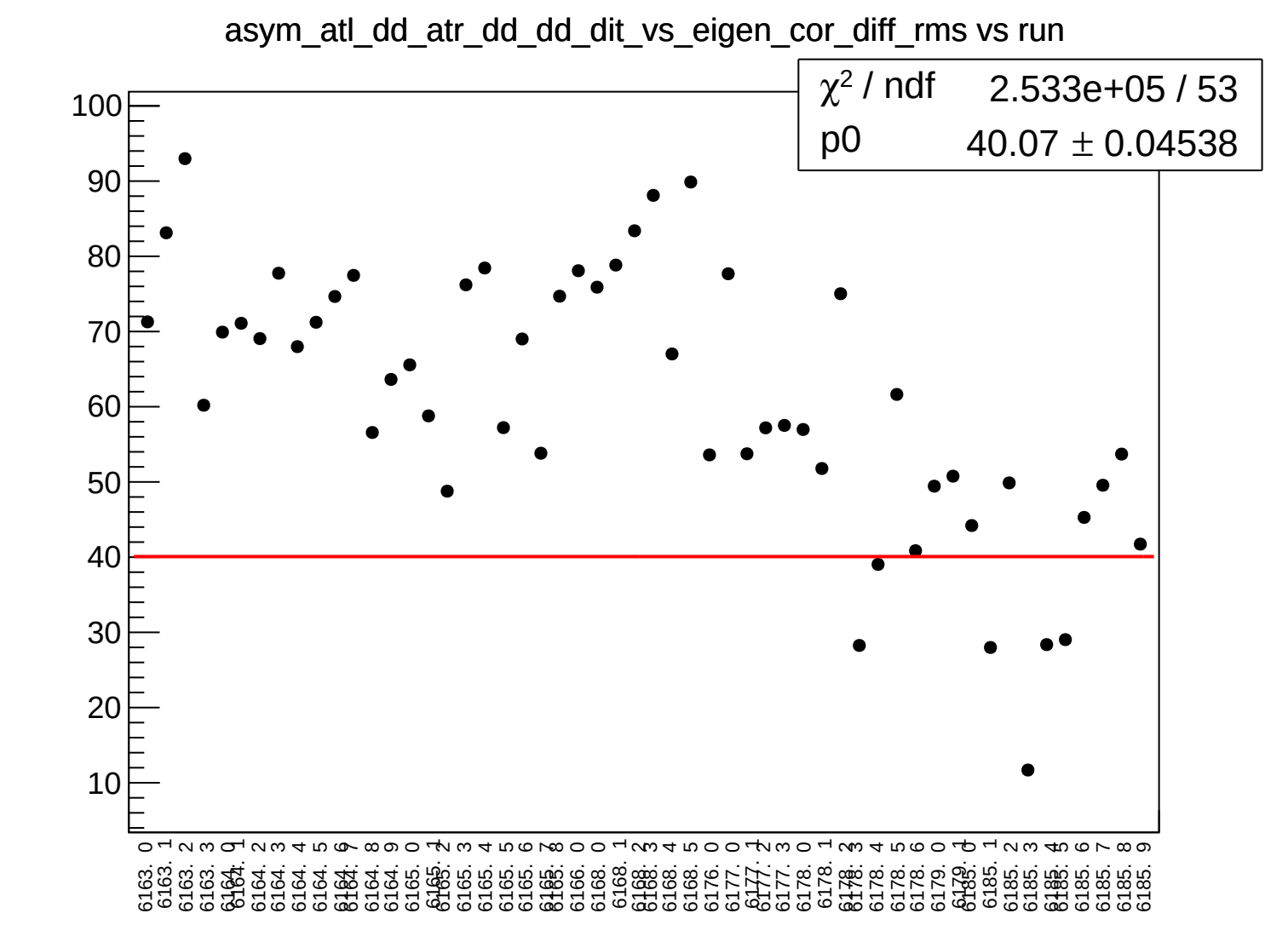
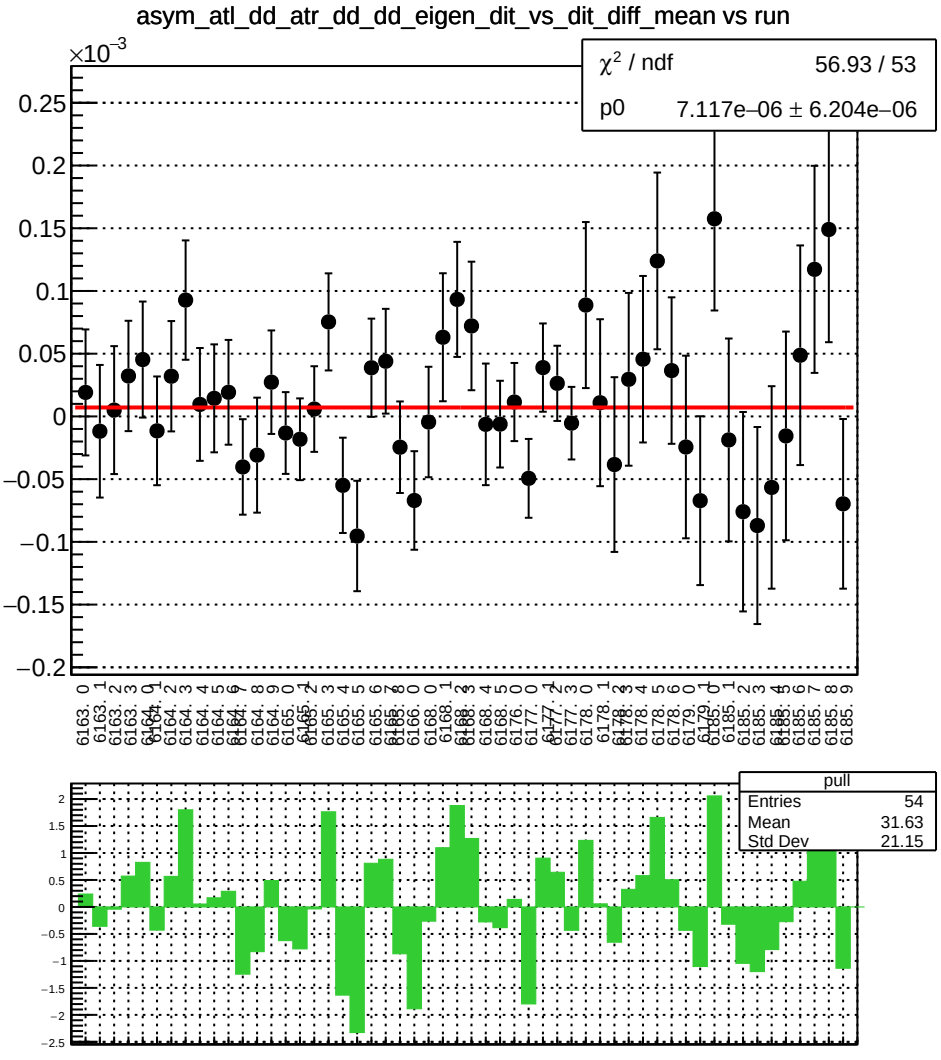
6185. 6
6185. 7
6185. 8
6185. 9

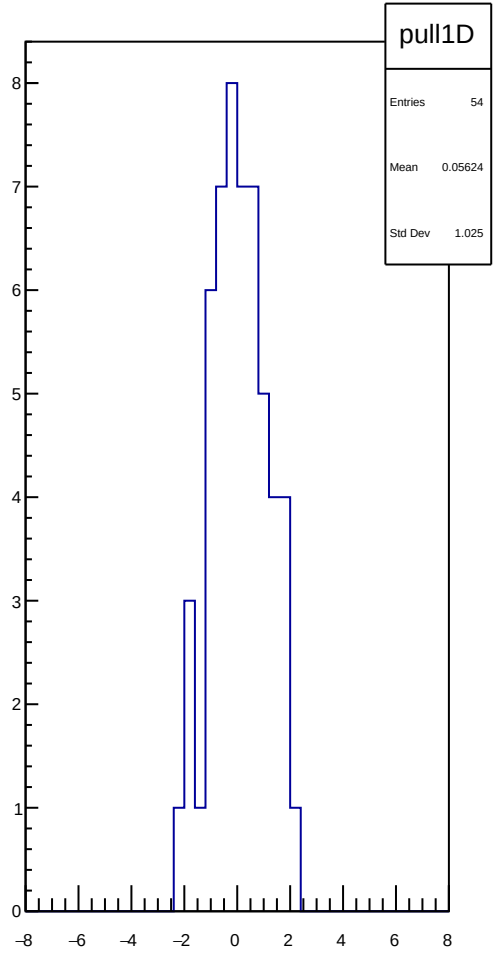

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 54.5 / 53
p0 −0.07617 ± 0.06418
pull
Entries 54
Mean 56.12
Std Dev 0
pull1D
Entries 54
Mean −0.04456
Std Dev 1.004

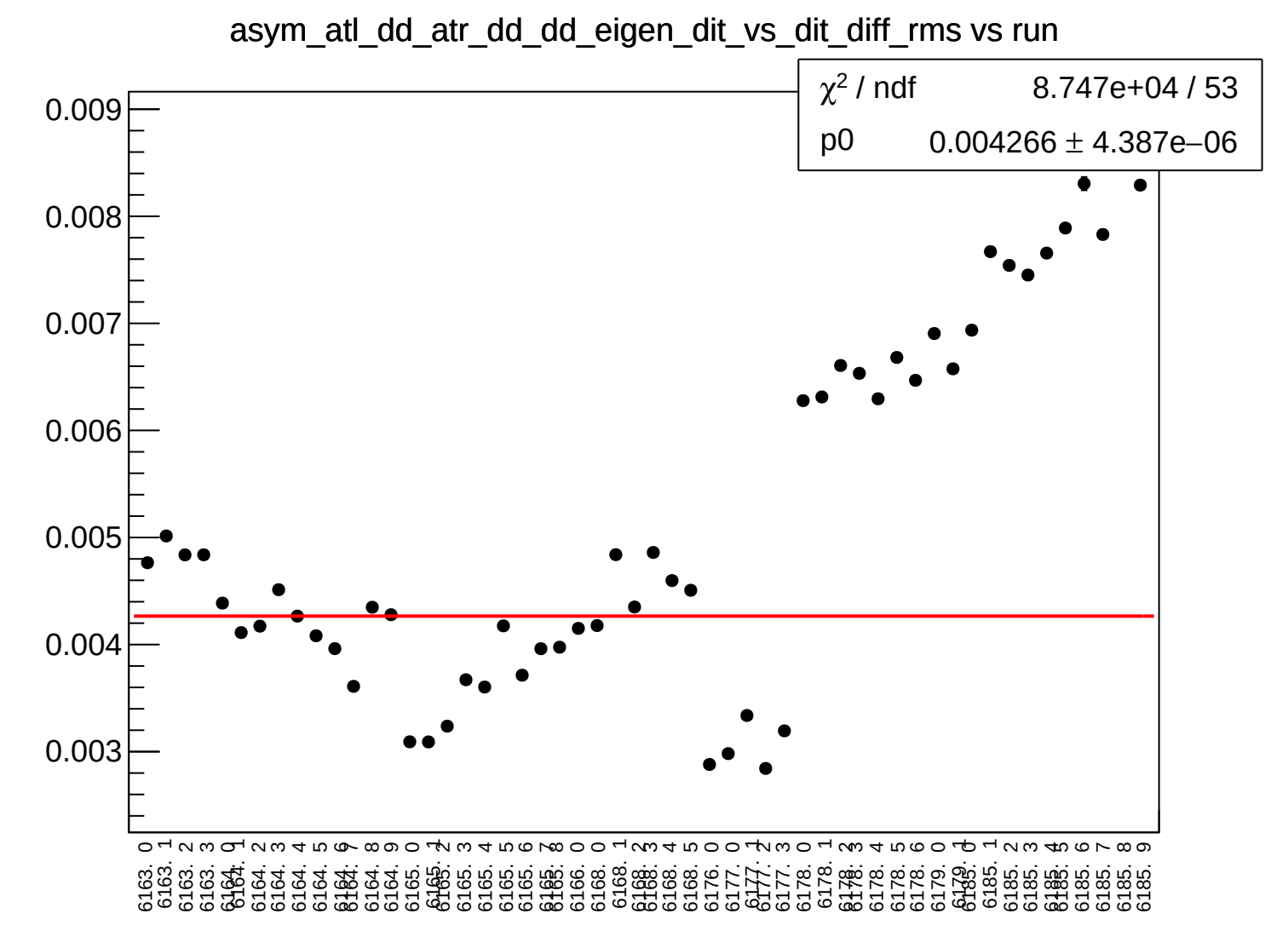

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.533e+05 / 53
p0 40.07 ± 0.04538
100
90
80
70
60
50
40
30
20
10
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

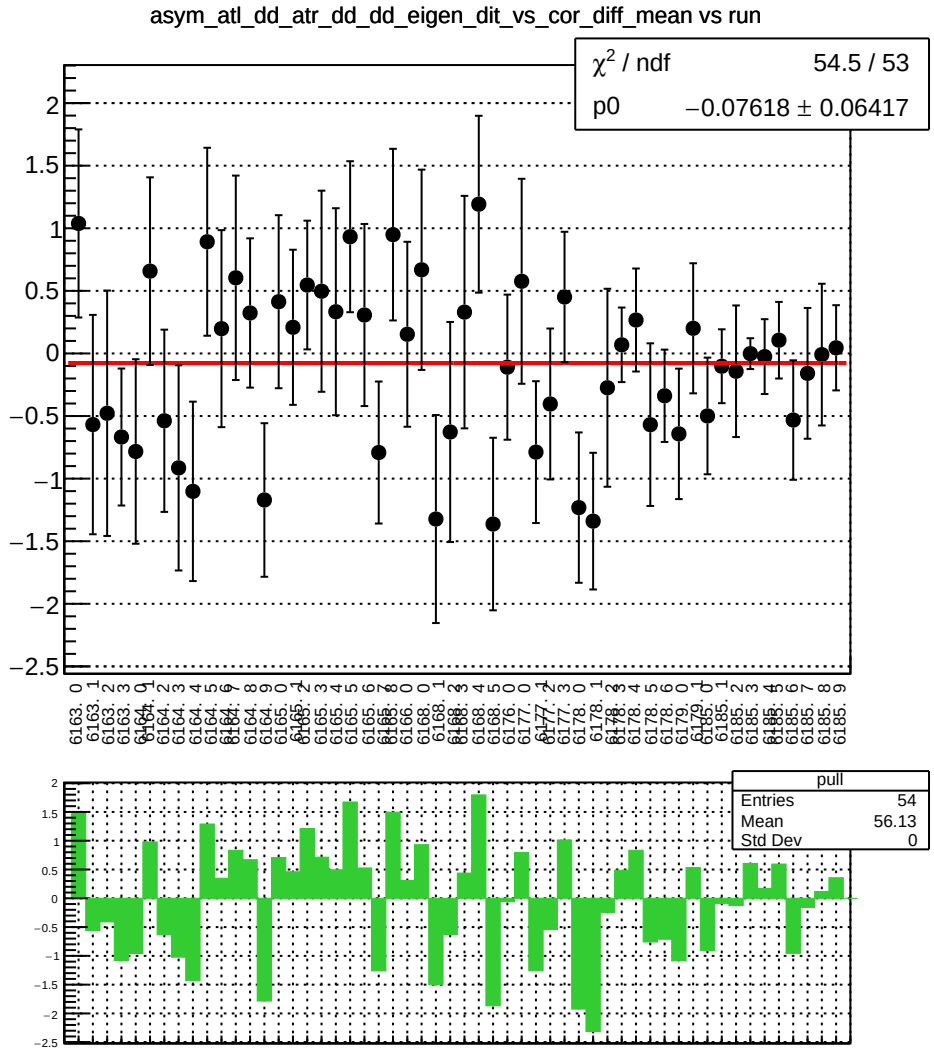

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 54.5 / 53
p0 −0.07617 ± 0.06418
pull
Entries 54
Mean 56.12
Std Dev 0
pull1D
Entries 54
Mean −0.04456
Std Dev 1.004

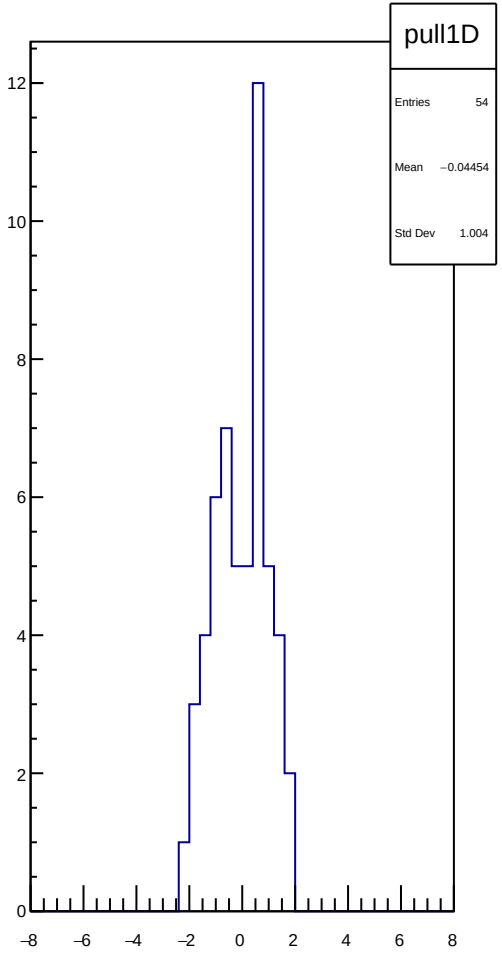

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.533e+05 / 53
p0 40.07 ± 0.04538
100
90
80
70
60
50
40
30
20
10
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

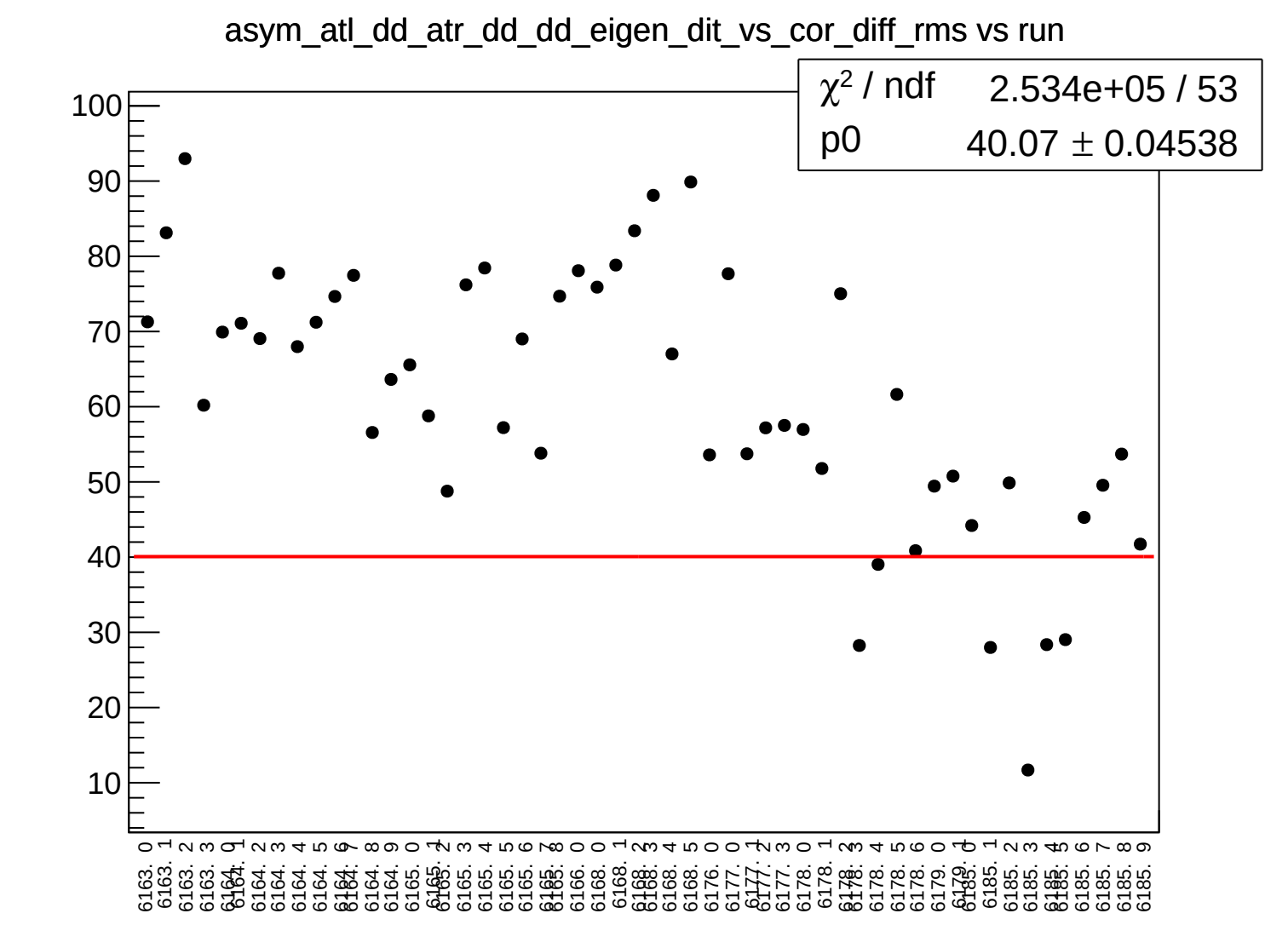

asym_atl_dd_atr_dd_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 56.93 / 53
p0 7.117e−06 ± 6.204e−06
pull
Entries 54
Mean 31.63
Std Dev 21.15

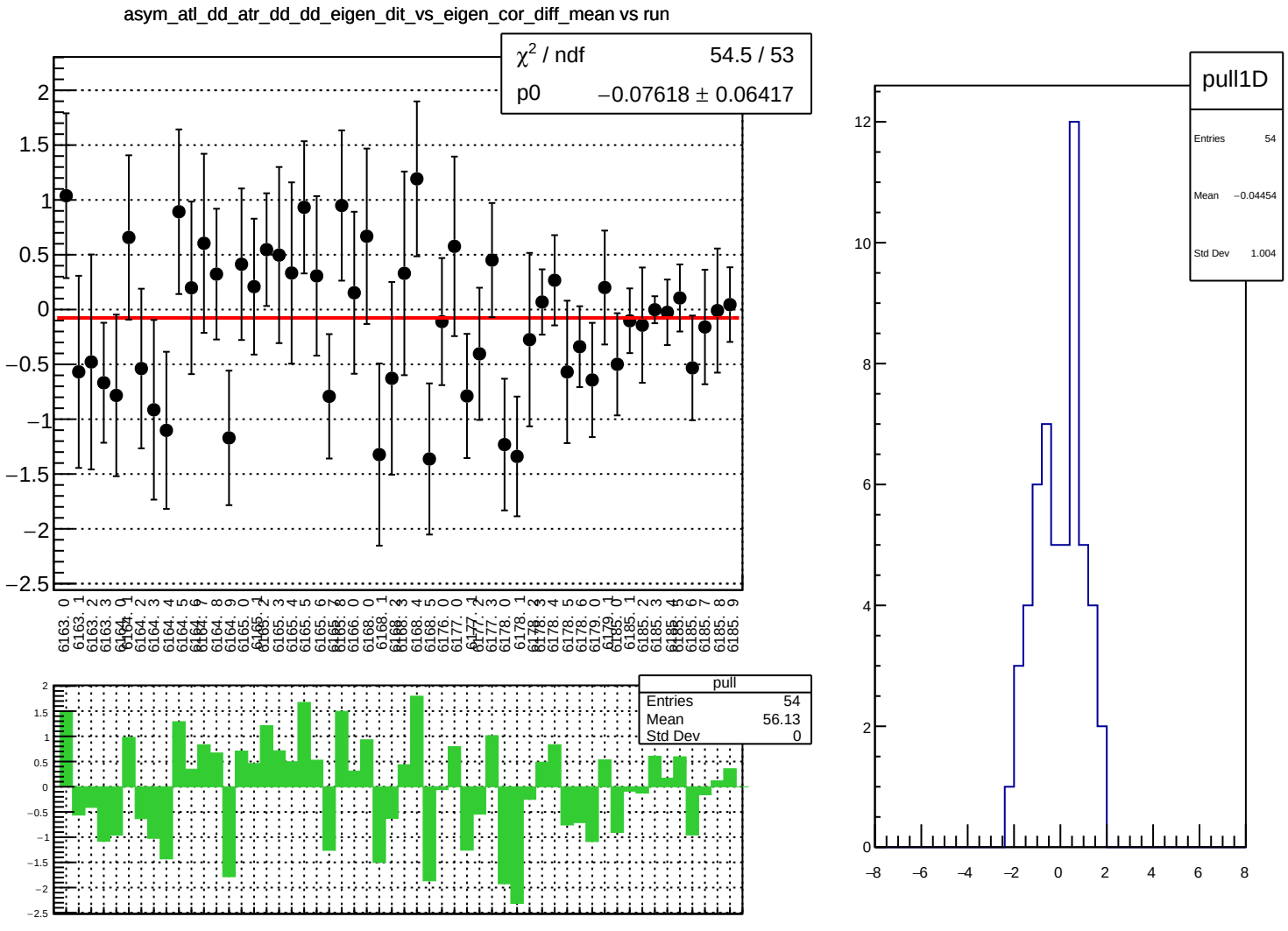

pull1D
Entries 54
Mean 0.05624
Std Dev 1.025

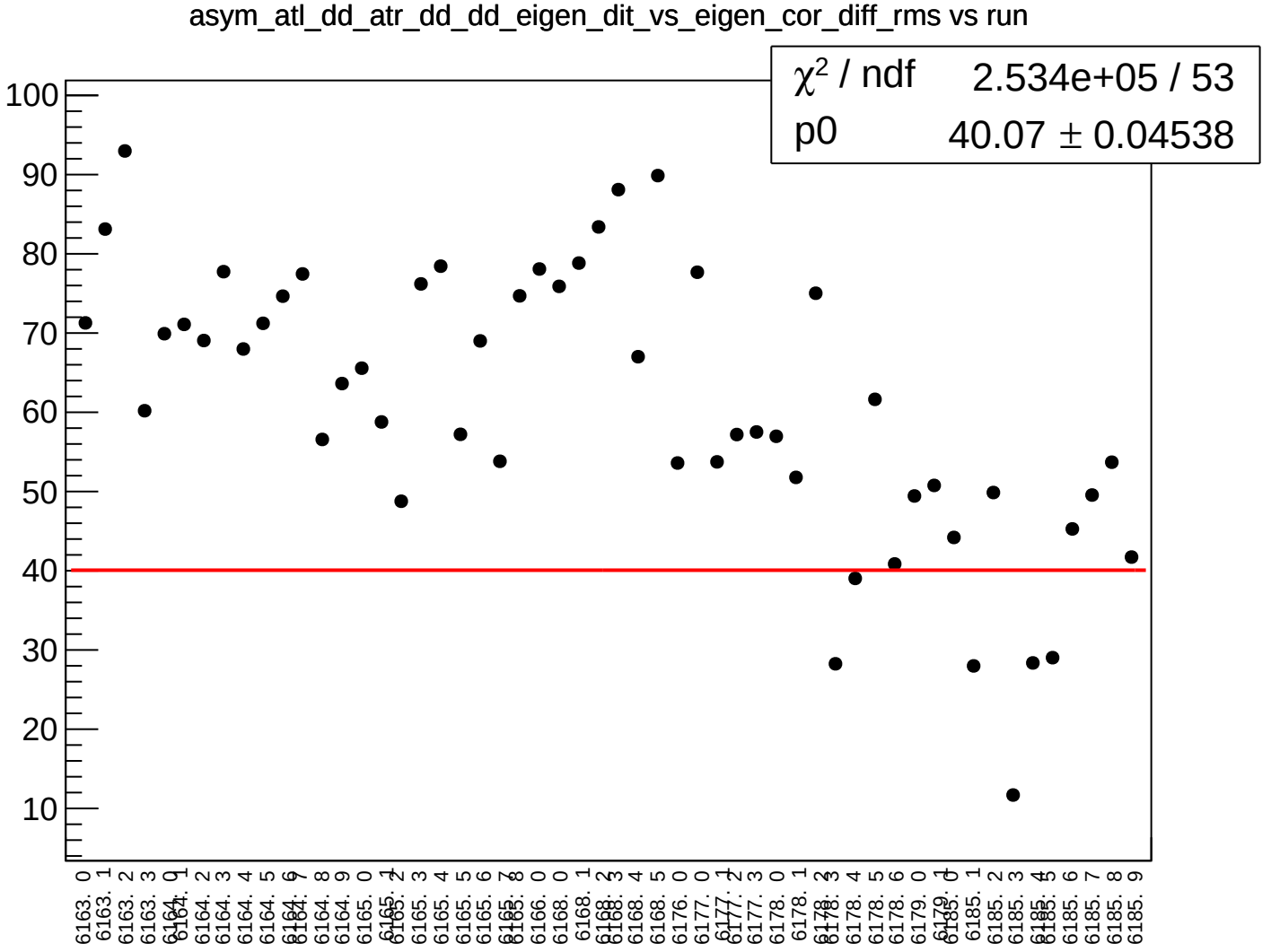

asym_atl_dd_atr_dd_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 8.747e+04 / 53
p0 0.004266 ± 4.387e−06
0.009
0.008
0.007
0.006
0.005
0.004
0.003
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

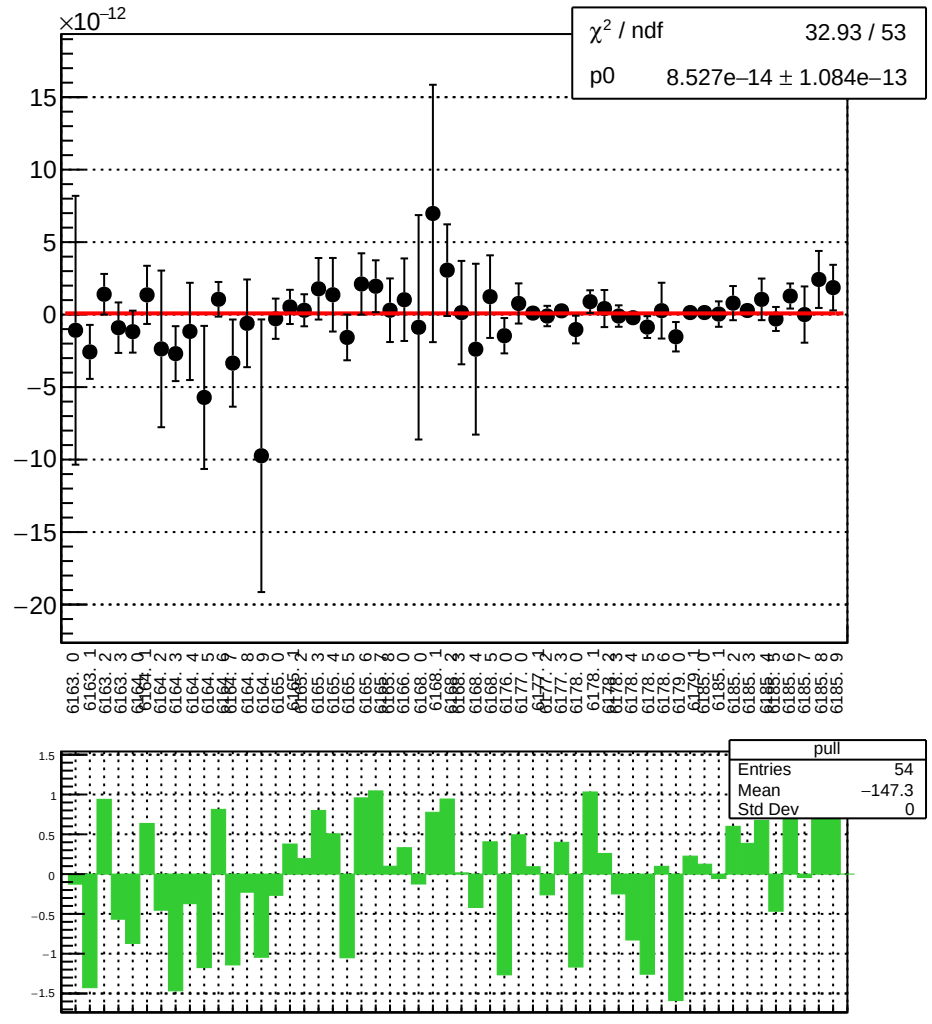

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 54.5 / 53
p0 −0.07618 ± 0.06417
pull
Entries 54
Mean 56.13
Std Dev 0

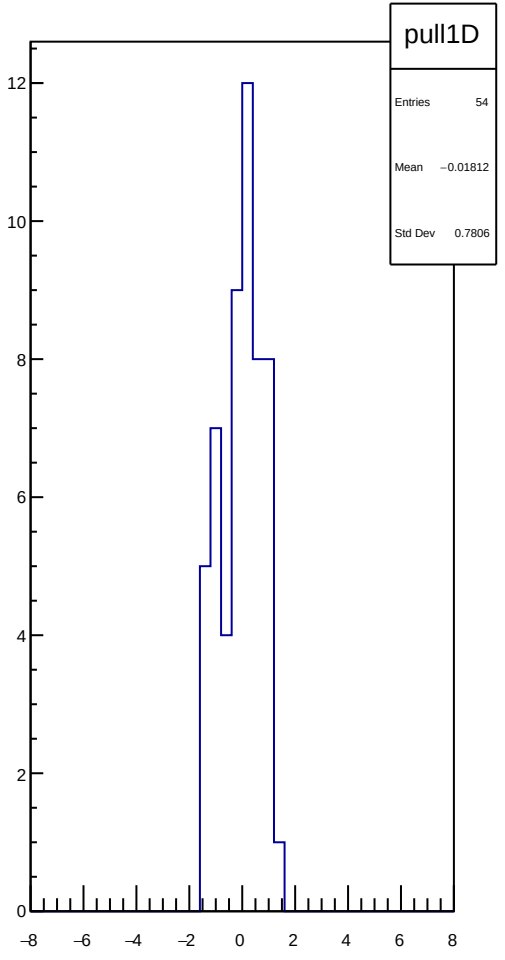

pull1D
Entries 54
Mean −0.04454
Std Dev 1.004

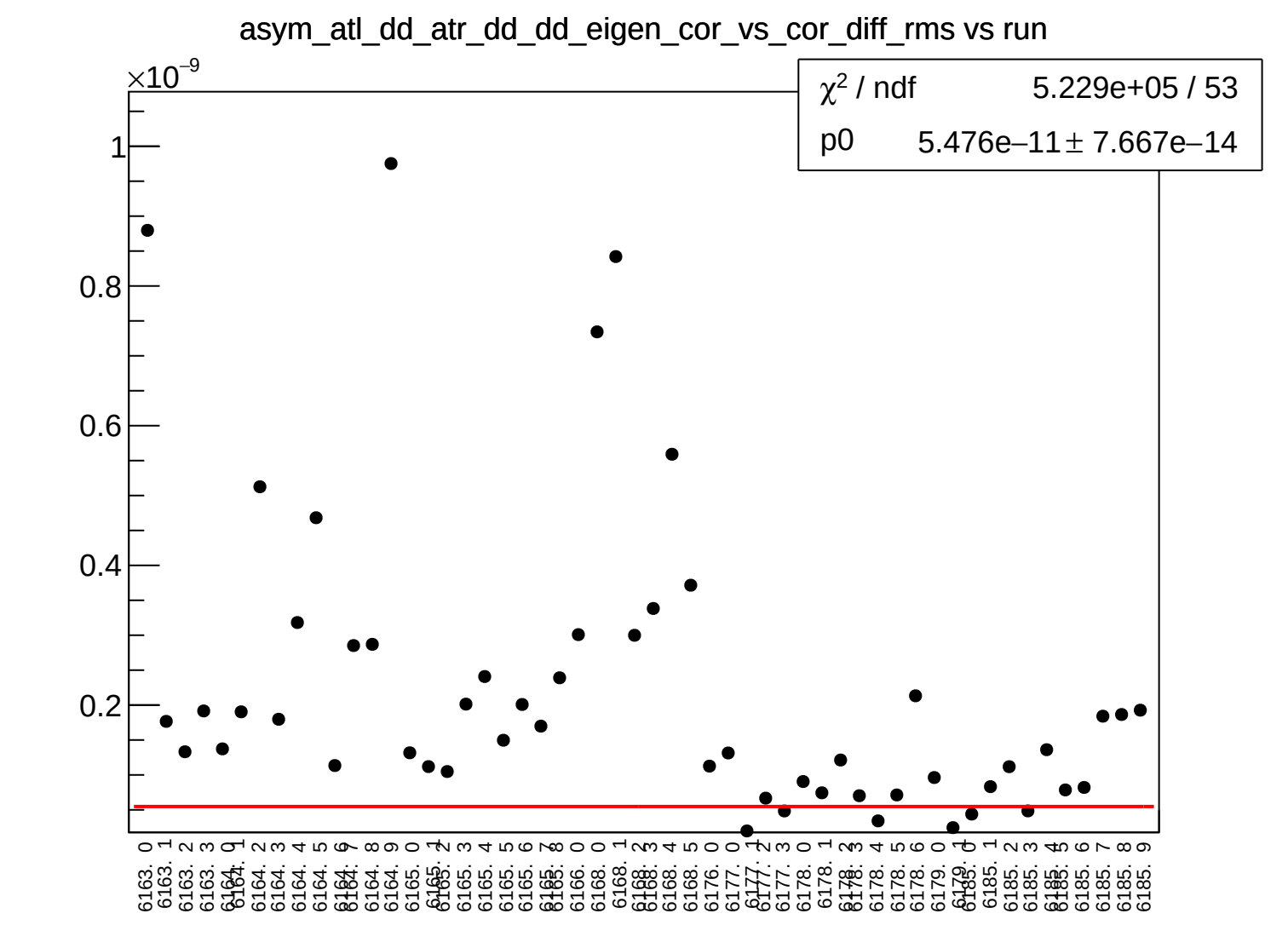

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.534e+05 / 53
p0 40.07 ± 0.04538
100
90
80
70
60
50
40
30
20
10
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

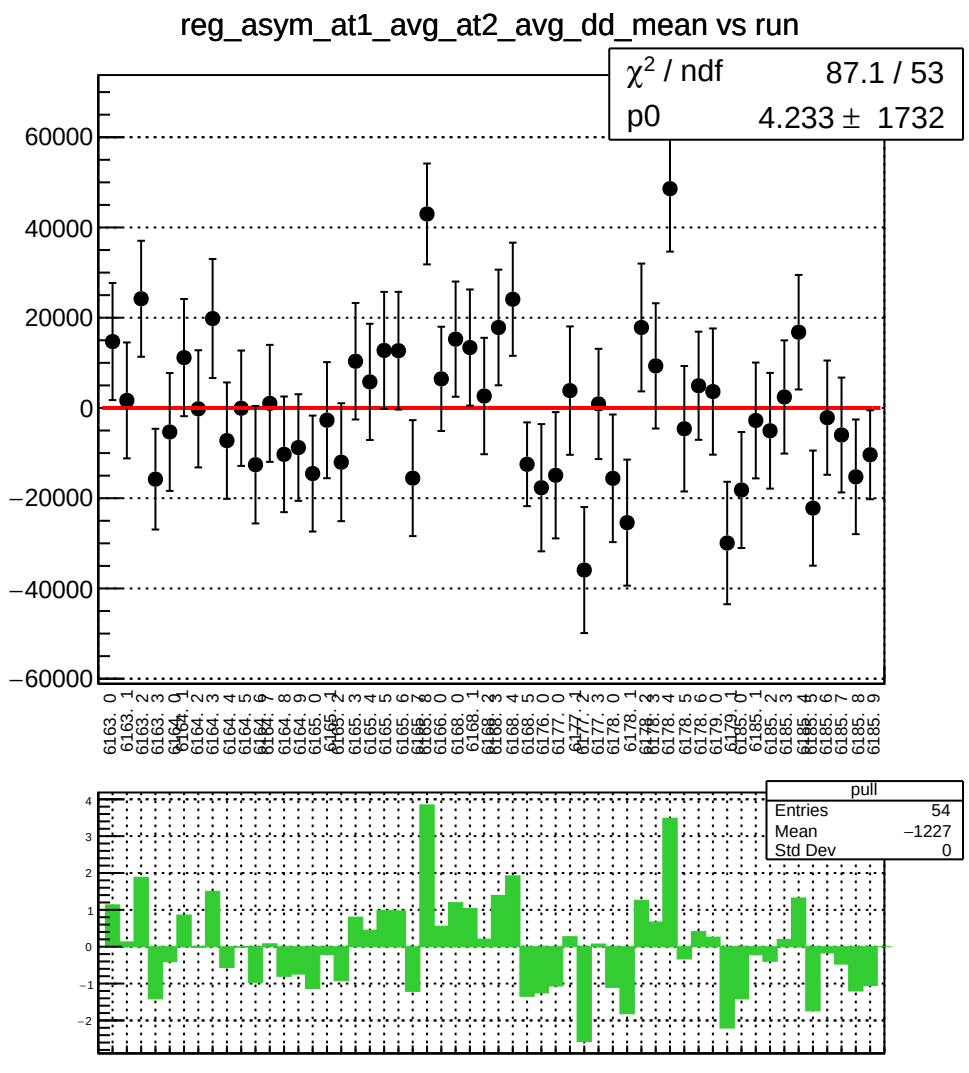

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 54.5 / 53
p0 −0.07618 ± 0.06417
pull
Entries 54
Mean 56.13
Std Dev 0
pull1D
Entries 54
Mean −0.04454
Std Dev 1.004

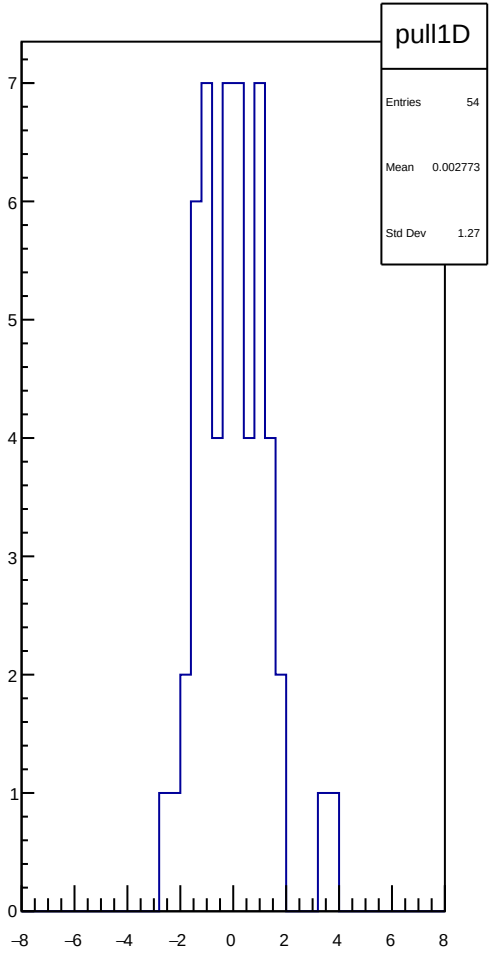

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.534e+05 / 53
p0 40.07 ± 0.04538
100
90
80
70
60
50
40
30
20
10
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

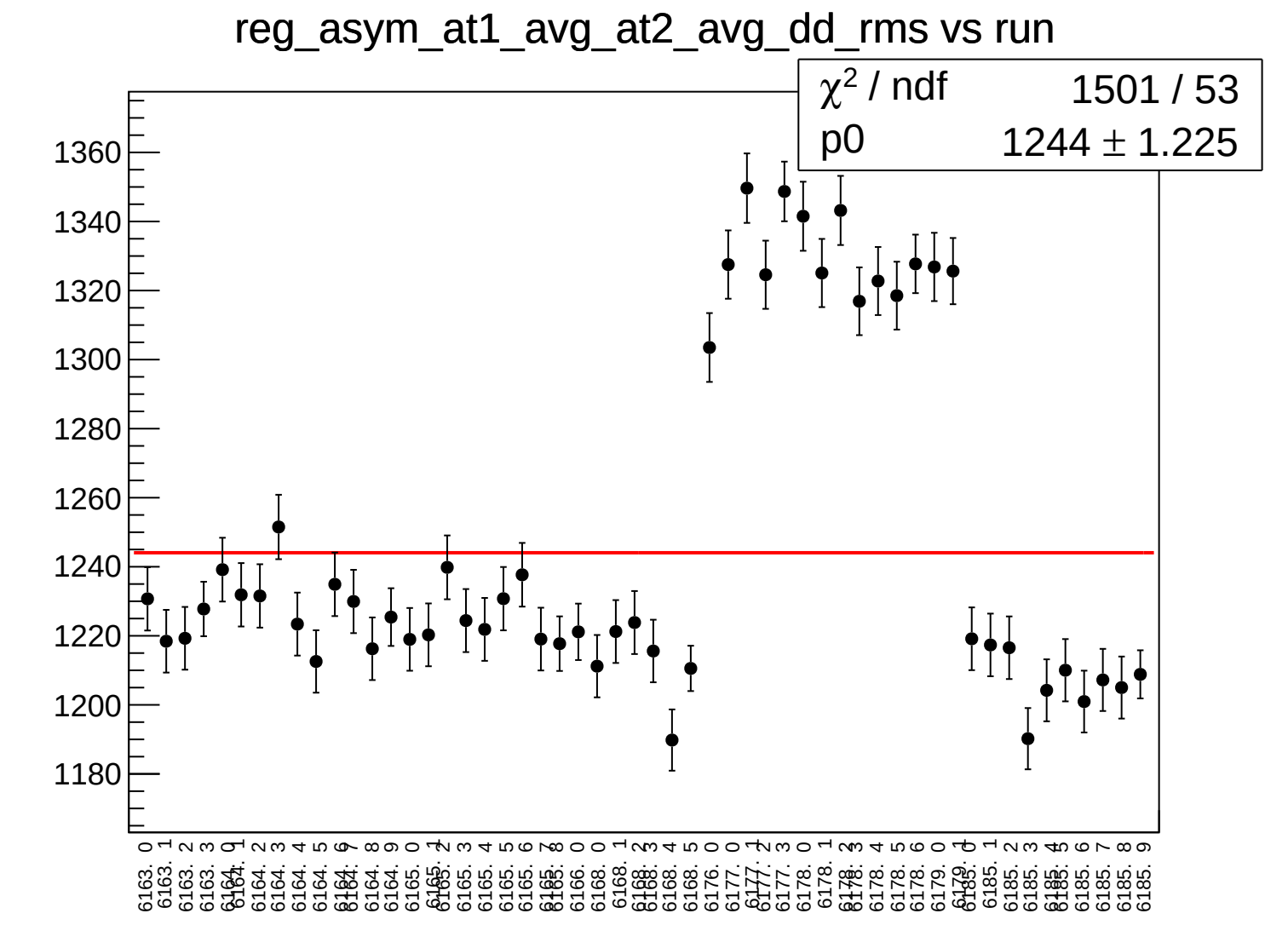

asym_atl_dd_atr_dd_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 32.93 / 53
p0 8.527e−14 ± 1.084e−13
pull
Entries 54
Mean −147.3
Std Dev 0

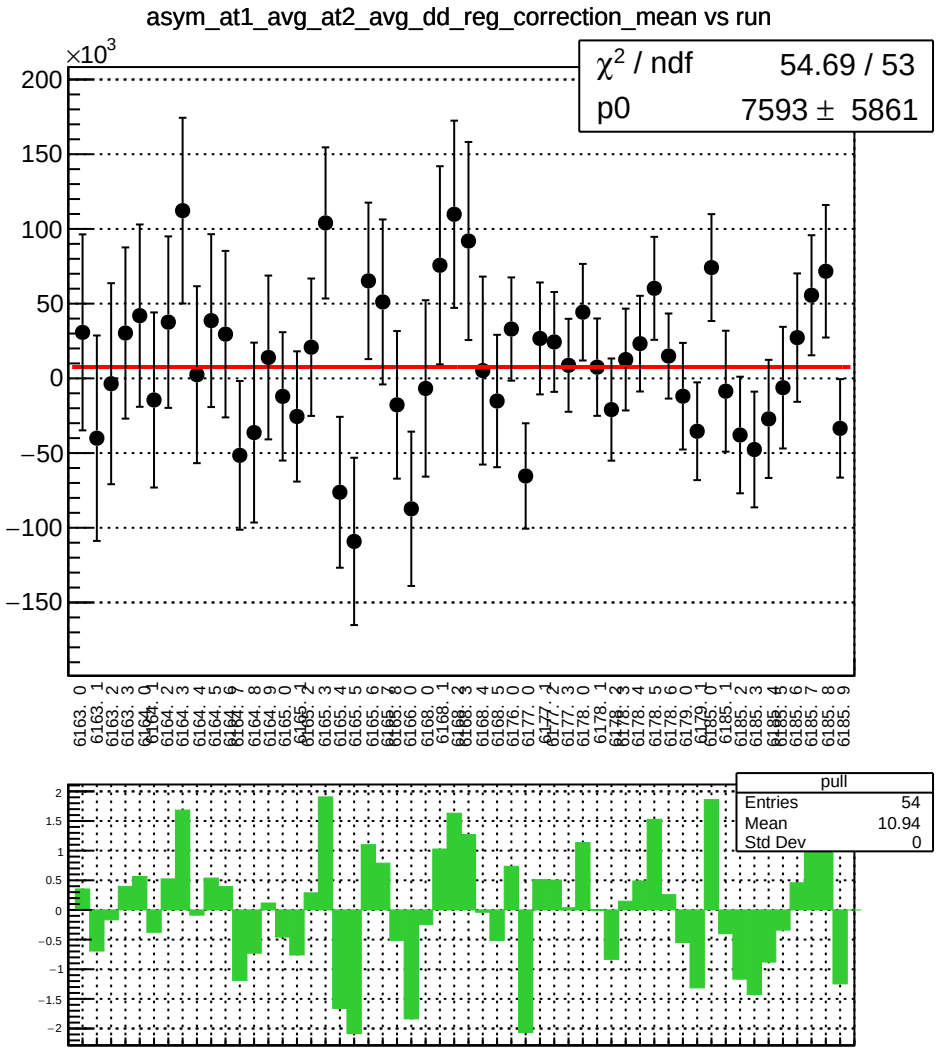

pull1D
Entries 54
Mean −0.01812
Std Dev 0.7806

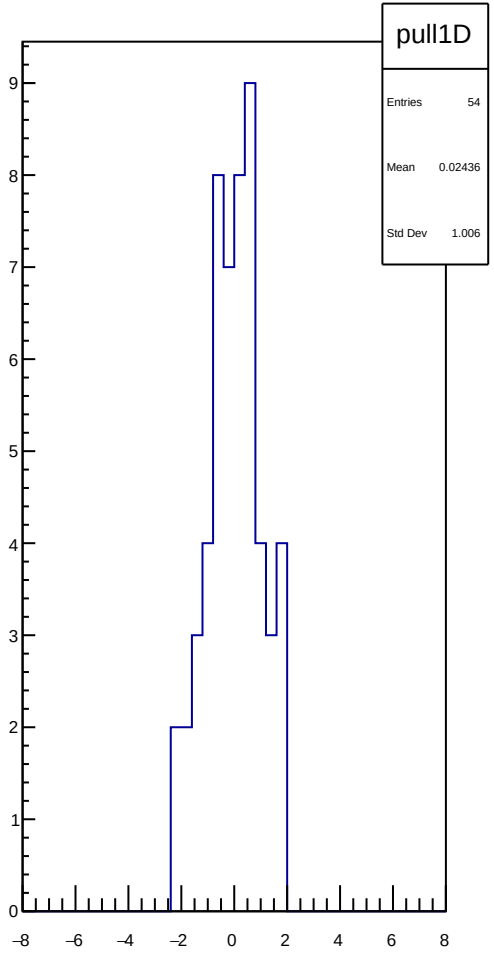

asym_atl_dd_atr_dd_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.229e+05 / 53
p0 5.476e−11 ± 7.667e−14
1
0.8
0.6
0.4
0.2
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

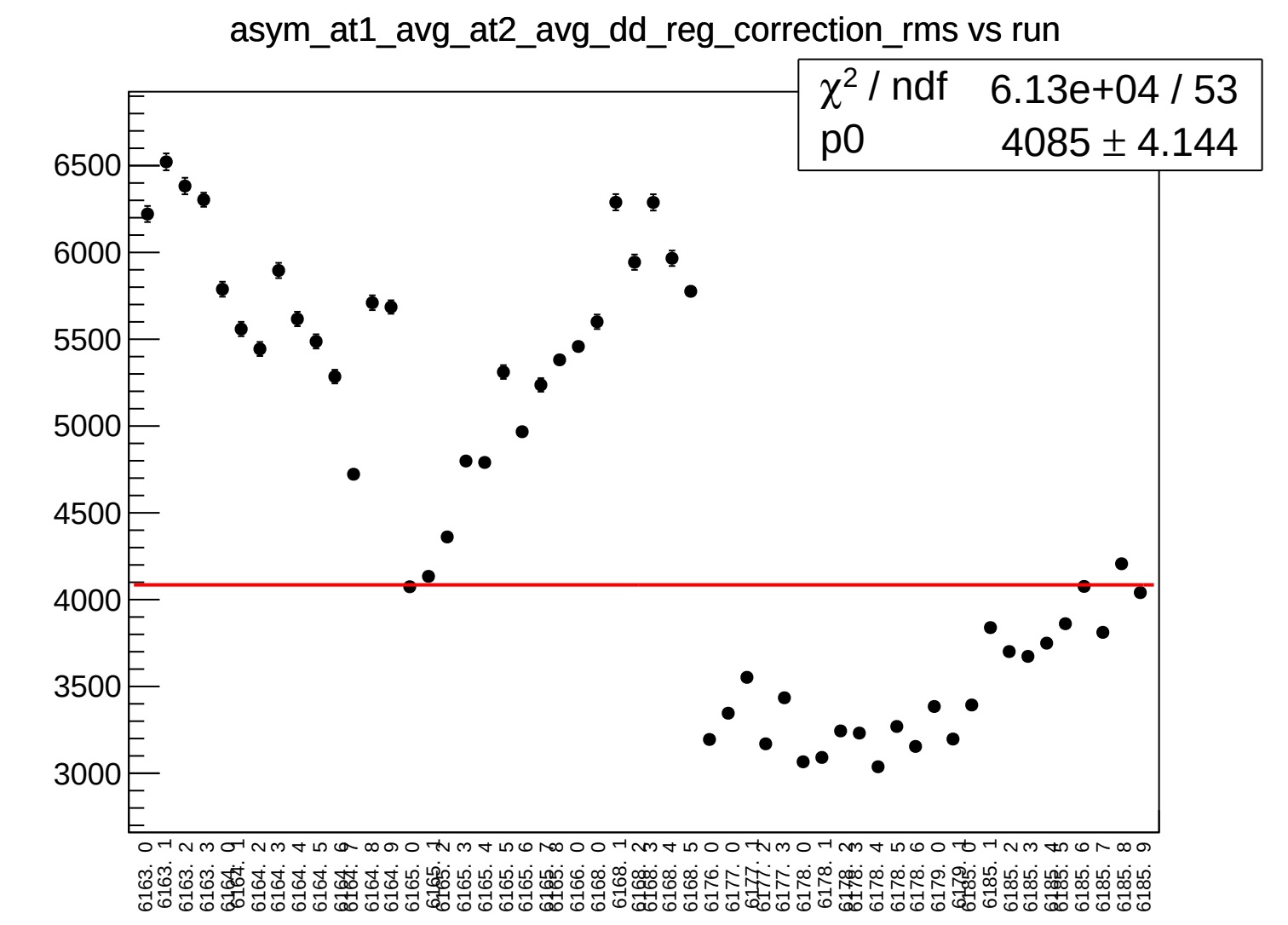

reg_asym_at1_avg_at2_avg_dd_mean vs run
χ² / ndf 87.1 / 53
p0 4.233 ± 1732
pull
Entries 54
Mean −1227
Std Dev 0

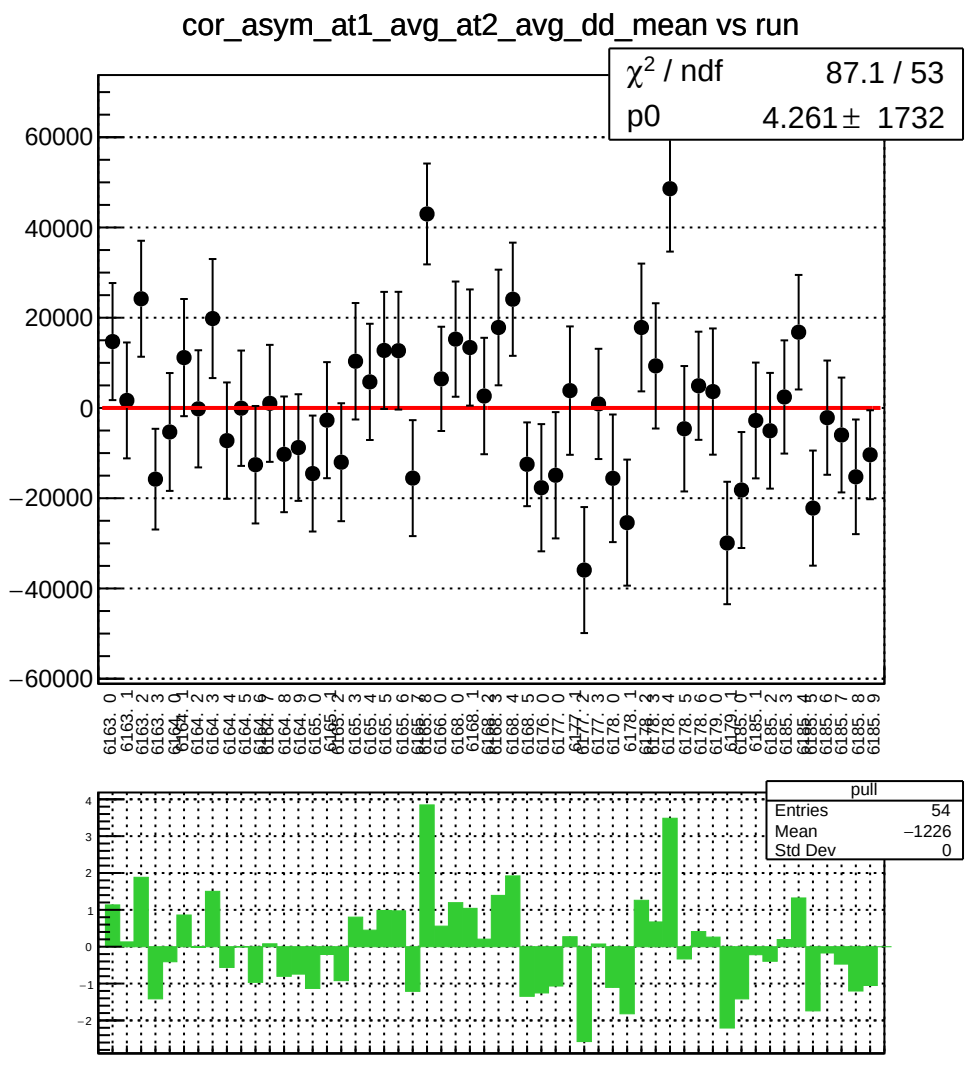

pull1D
Entries 54
Mean 0.002773
Std Dev 1.27

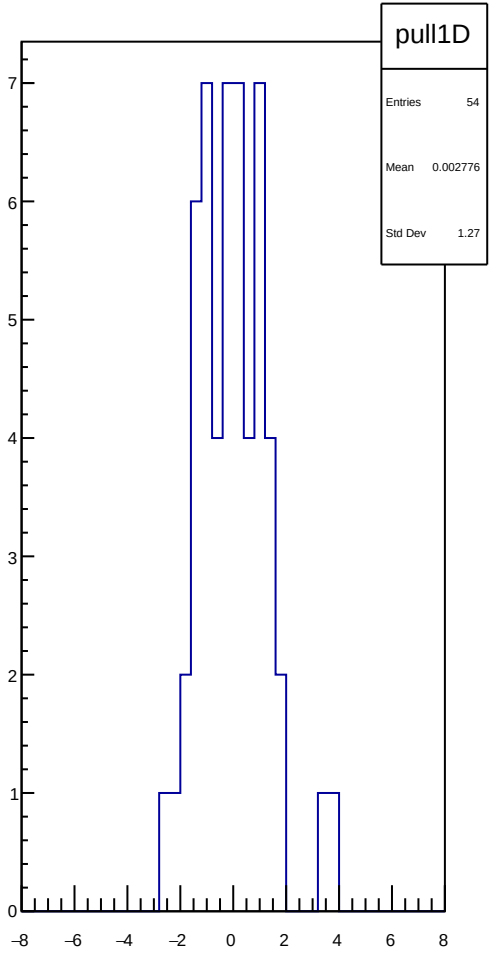

reg_asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 1501 / 53
p0 1244 ± 1.225
1360
1340
1320
1300
1280
1260
1240
1220
1200
1180
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

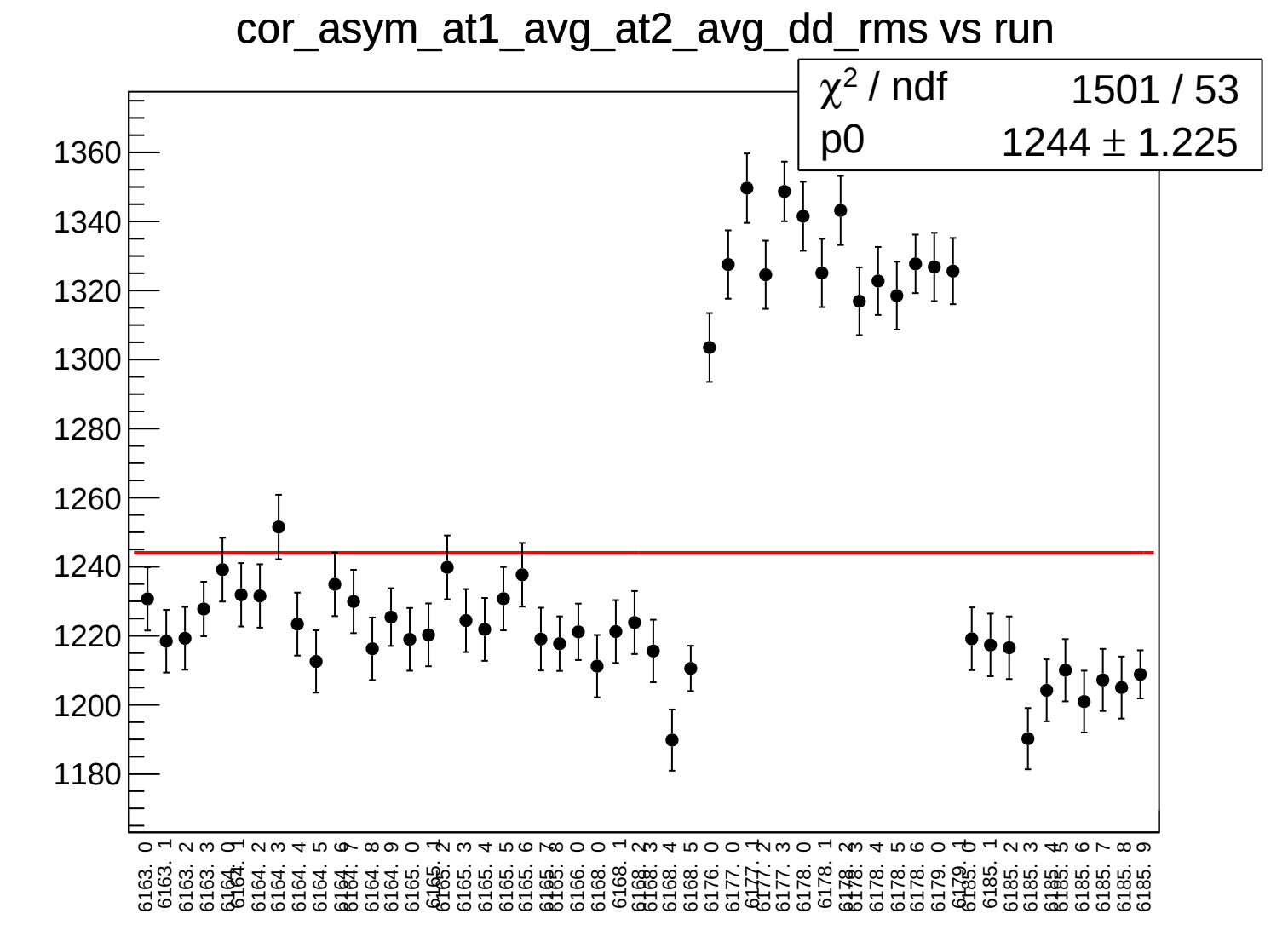

asym_at1_avg_at2_avg_dd_reg_correction_mean vs run
×10^3
χ² / ndf 54.69 / 53
p0 7593 ± 5861
pull
Entries 54
Mean 10.94
Std Dev 0

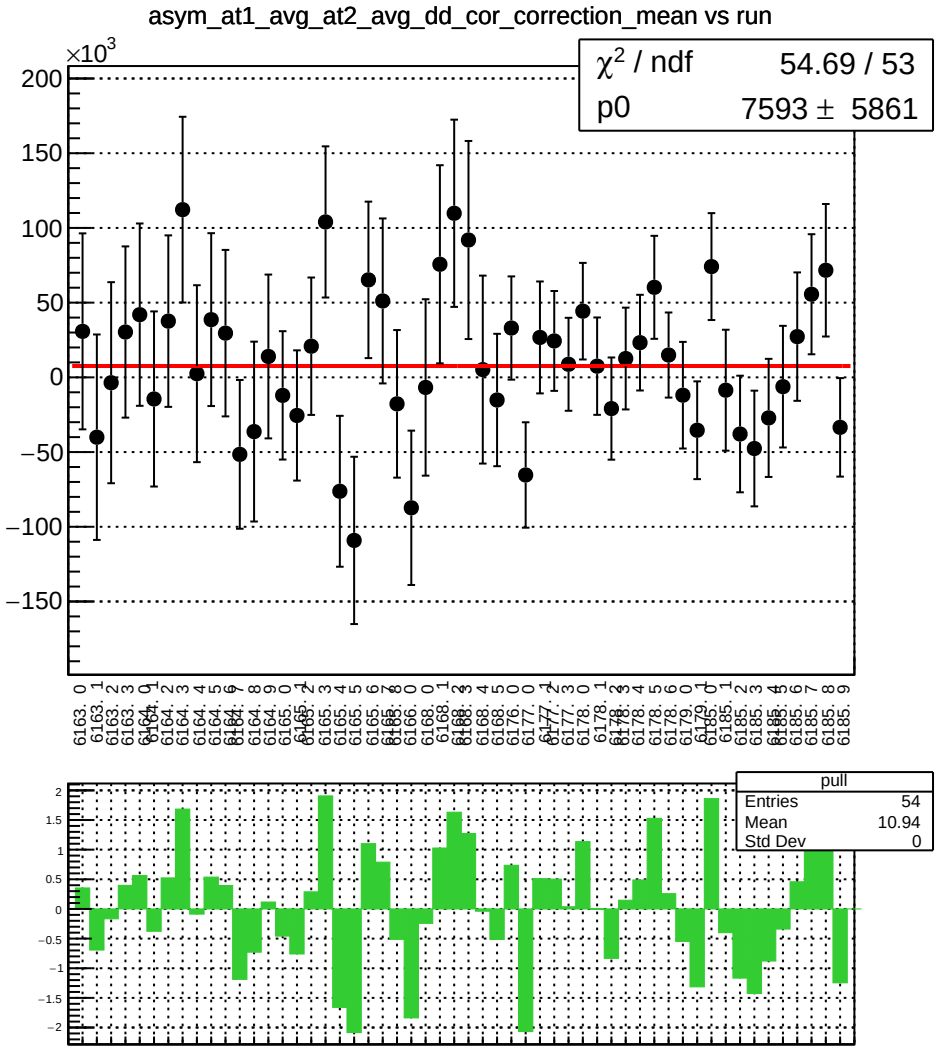

pull1D
Entries 54
Mean 0.02436
Std Dev 1.006

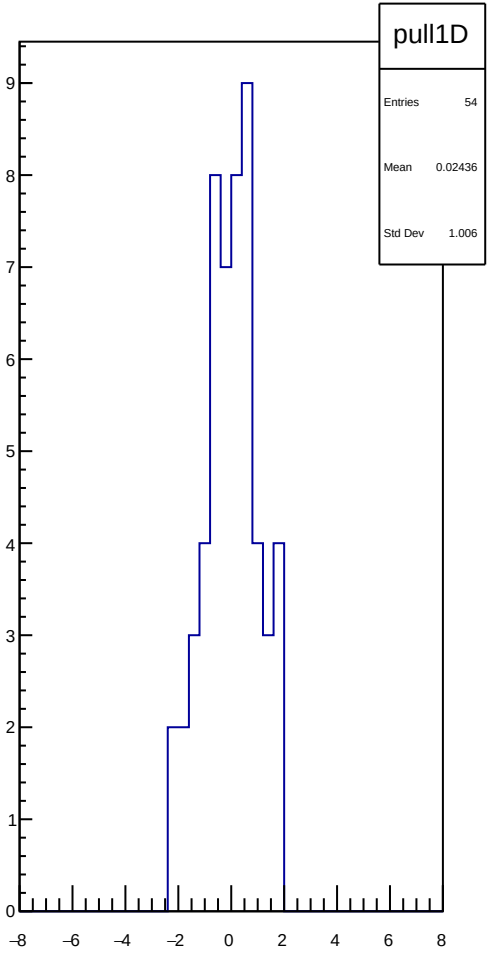

asym_at1_avg_at2_avg_dd_reg_correction_rms vs run
χ² / ndf 6.13e+04 / 53
p0 4085 ± 4.144
6500
6000
5500
5000
4500
4000
3500
3000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

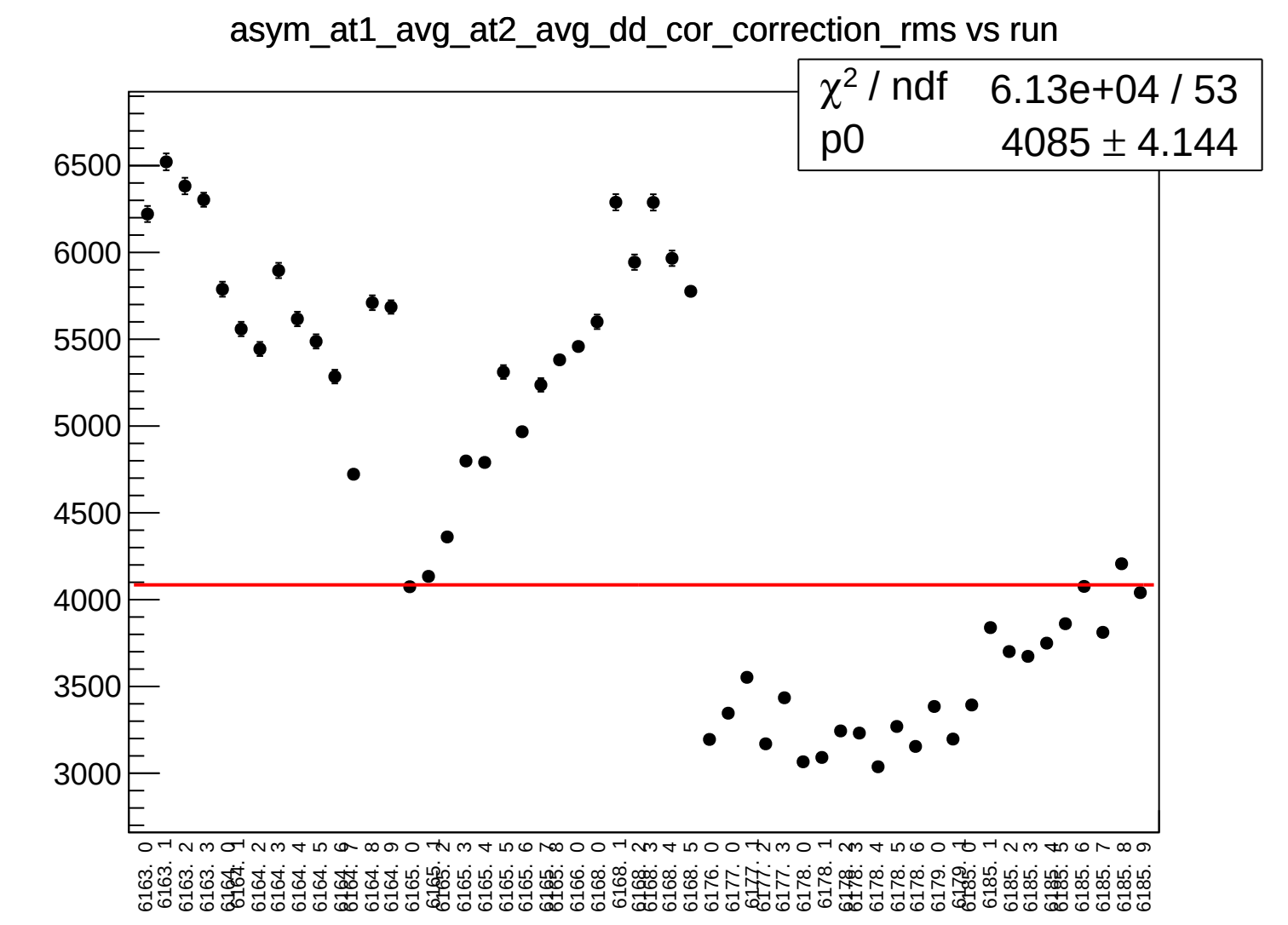

cor_asym_at1_avg_at2_avg_dd_mean vs run
χ² / ndf 87.1 / 53
p0 4.261± 1732
pull
Entries 54
Mean −1226
Std Dev 0

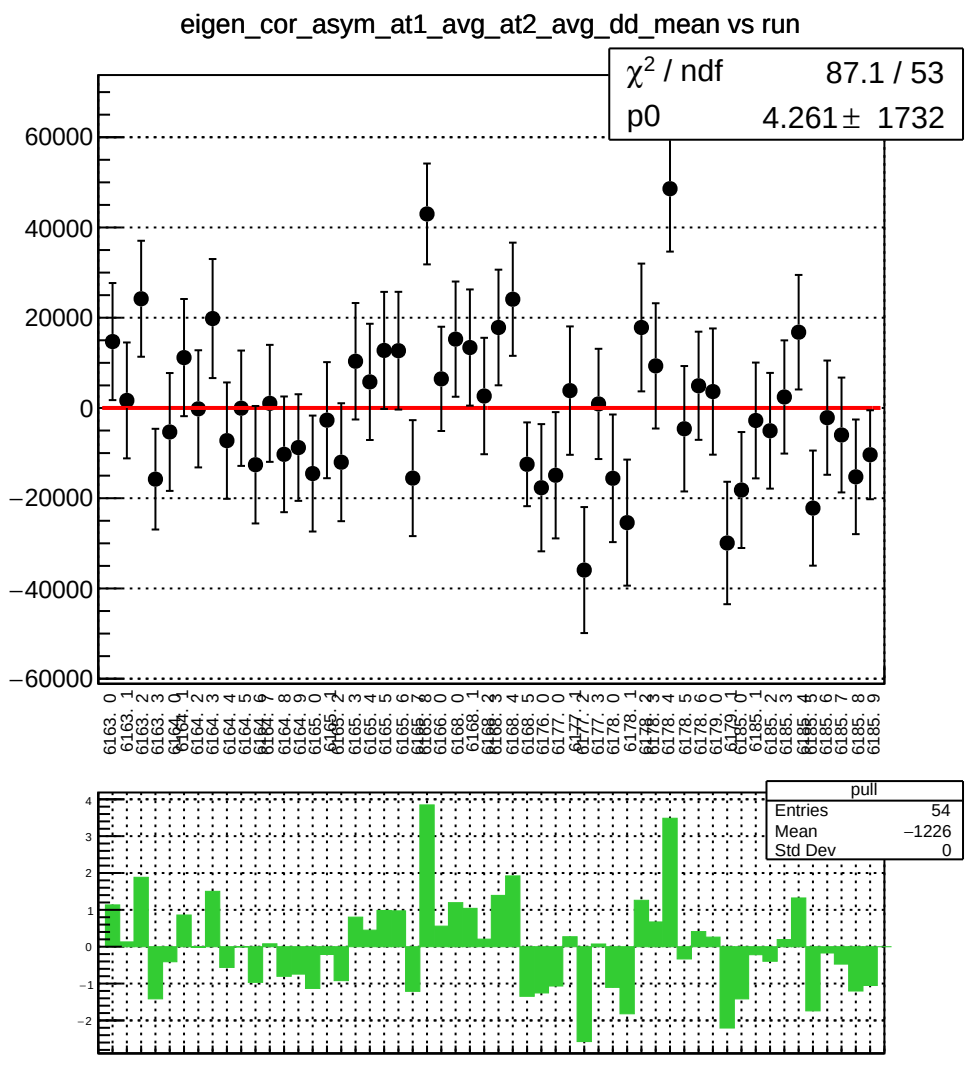

pull1D
Entries 54
Mean 0.002776
Std Dev 1.27

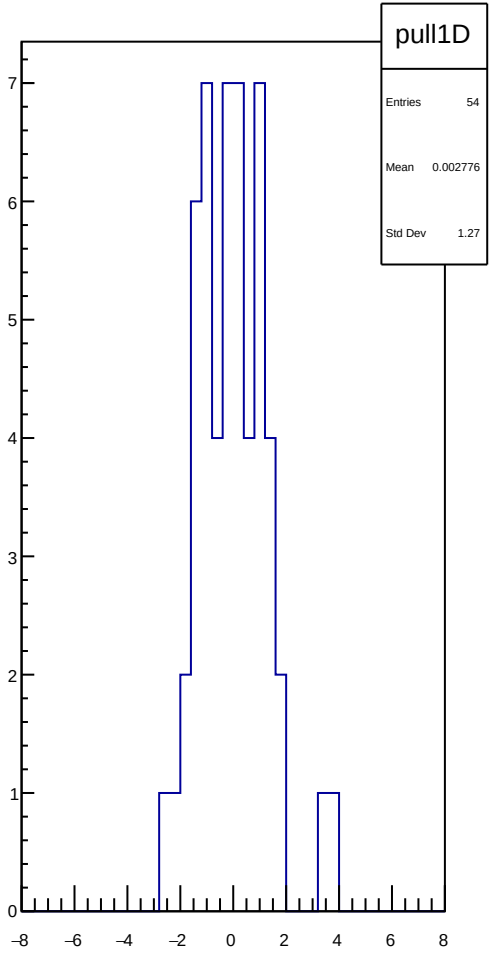

cor_asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 1501 / 53
p0 1244 ± 1.225
1360
1340
1320
1300
1280
1260
1240
1220
1200
1180
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

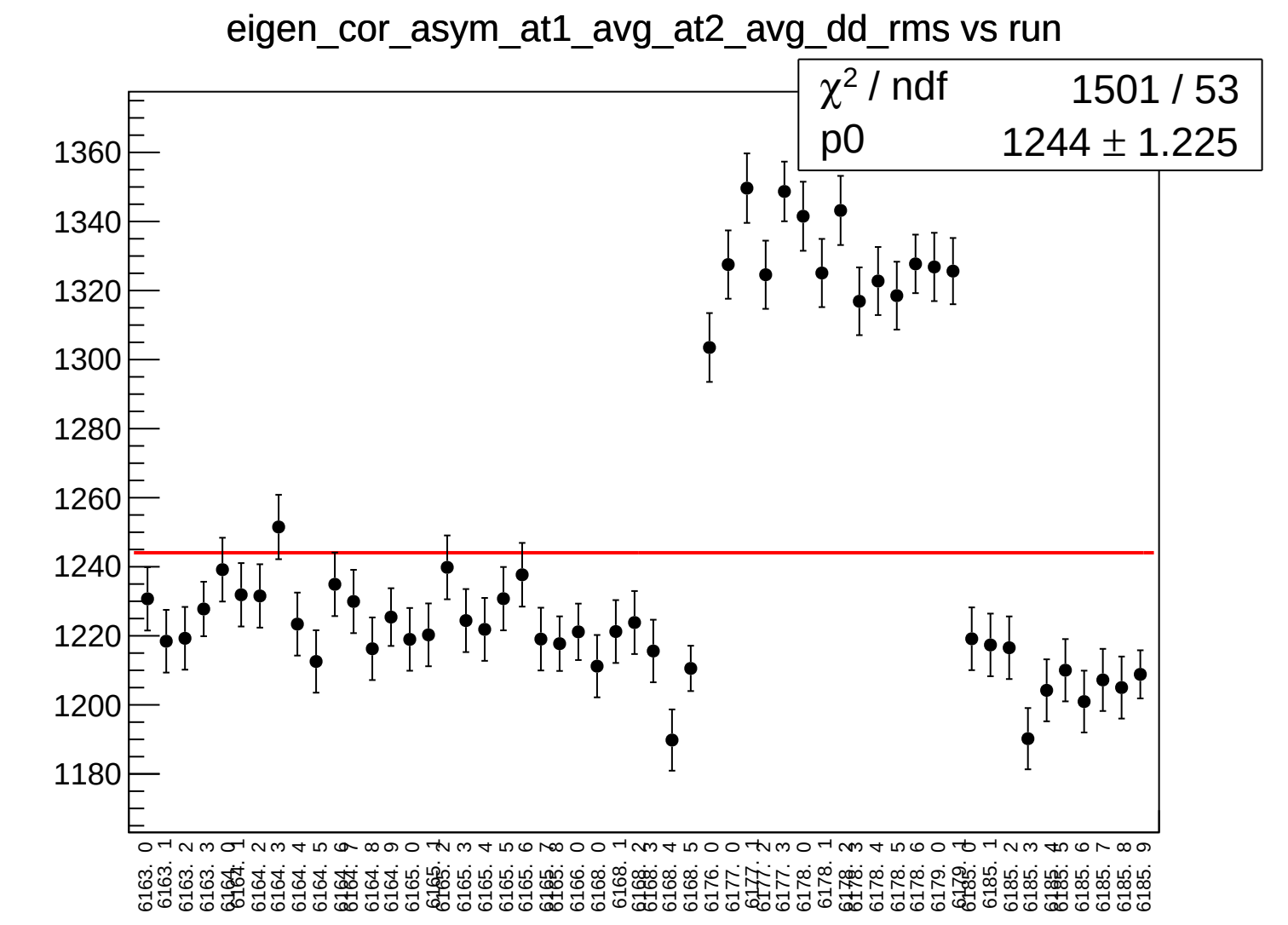

asym_at1_avg_at2_avg_dd_cor_correction_mean vs run
×10^3
χ² / ndf 54.69 / 53
p0 7593 ± 5861
pull
Entries 54
Mean 10.94
Std Dev 0

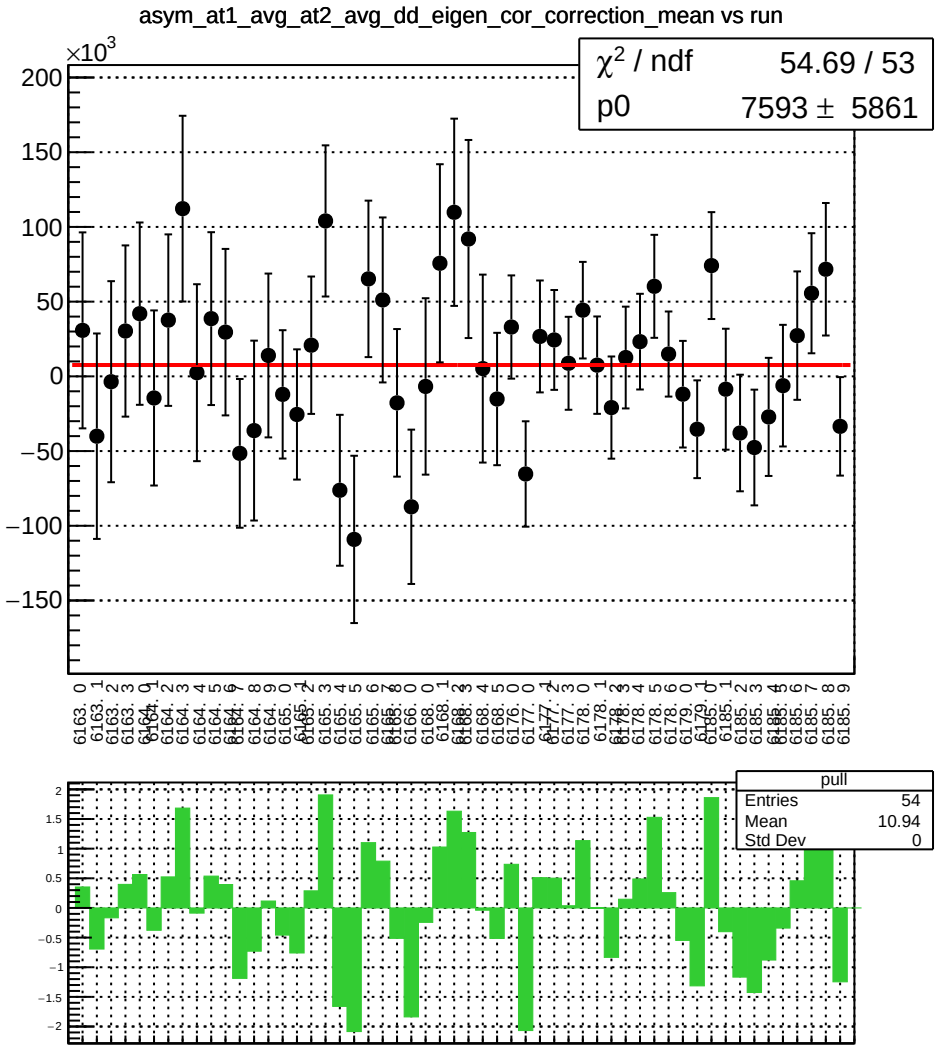

pull1D
Entries 54
Mean 0.02436
Std Dev 1.006

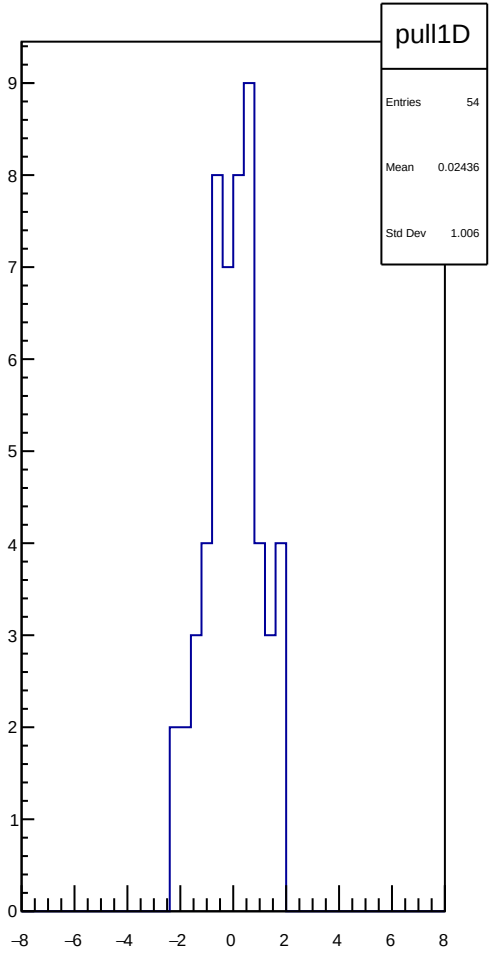

asym_at1_avg_at2_avg_dd_cor_correction_rms vs run
χ² / ndf 6.13e+04 / 53
p0 4085 ± 4.144
6500
6000
5500
5000
4500
4000
3500
3000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

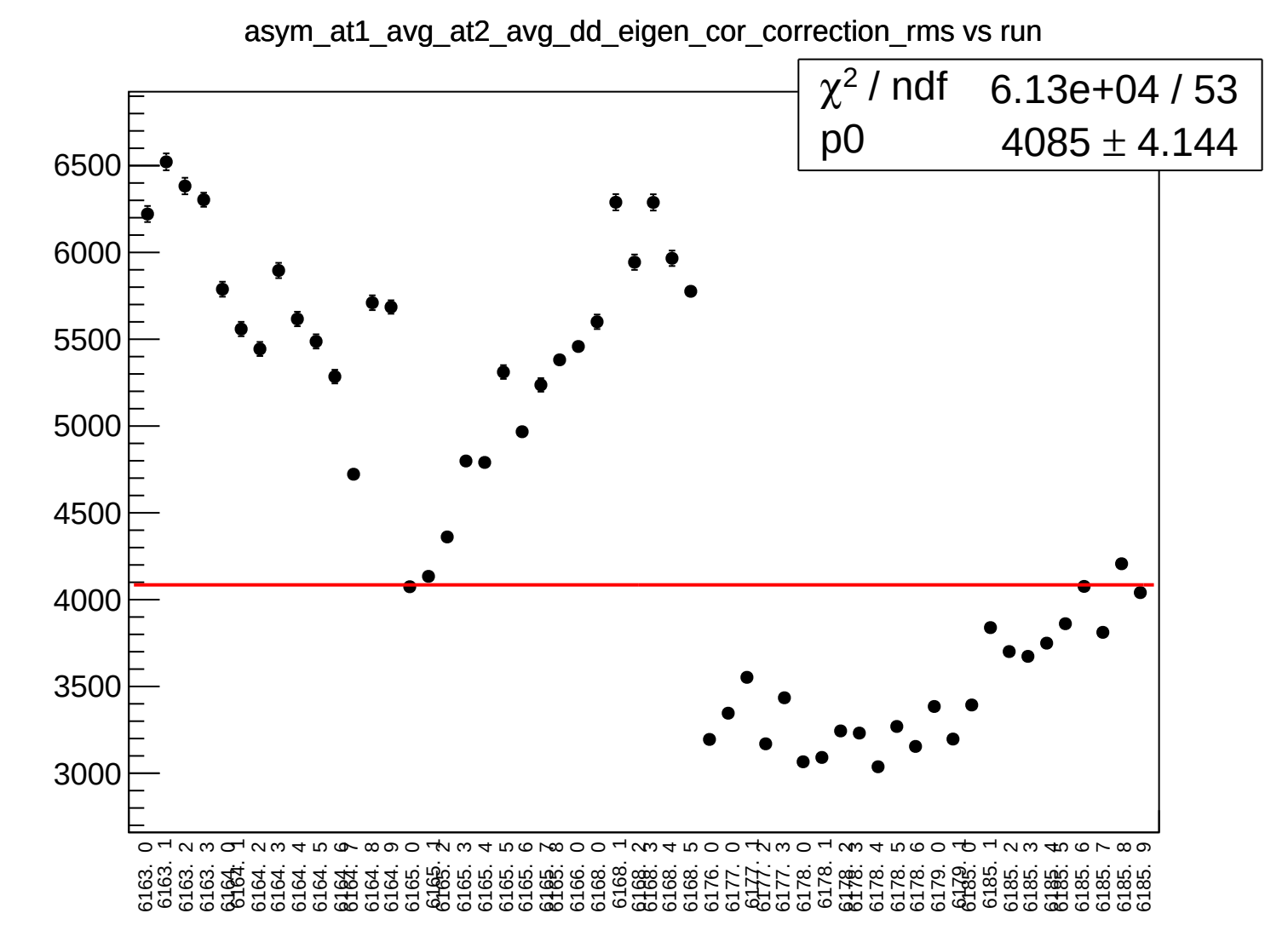

eigen_cor_asym_at1_avg_at2_avg_dd_mean vs run
χ² / ndf 87.1 / 53
p0 4.261± 1732
pull
Entries 54
Mean −1226
Std Dev 0

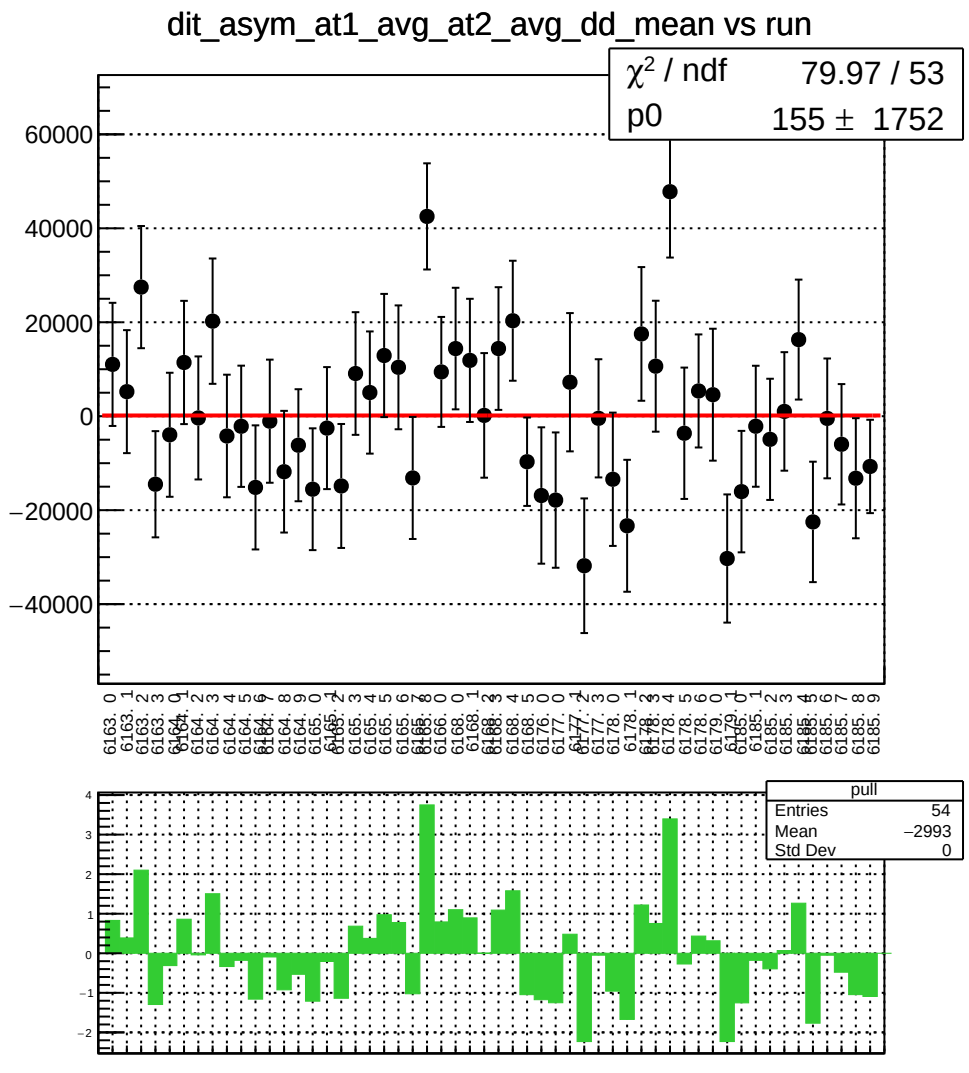

pull1D
Entries 54
Mean 0.002776
Std Dev 1.27

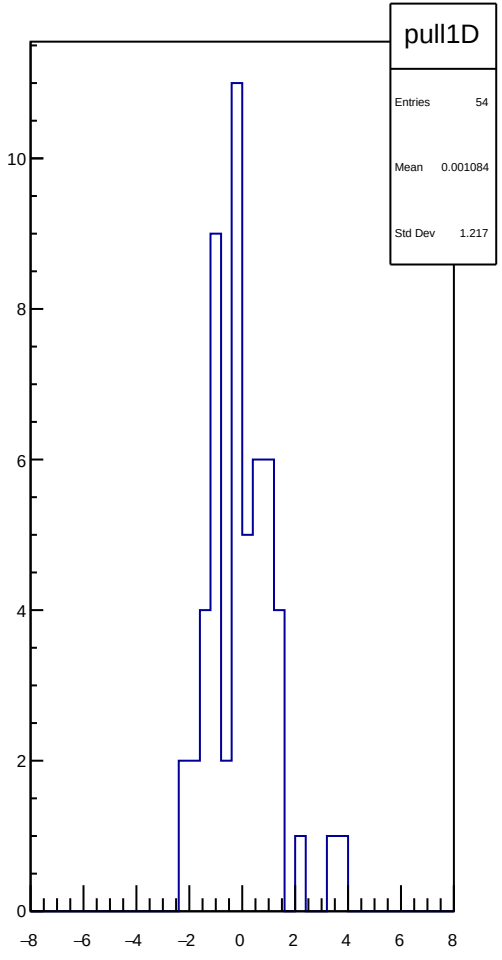

eigen_cor_asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 1501 / 53
p0 1244 ± 1.225
1360
1340
1320
1300
1280
1260
1240
1220
1200
1180
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

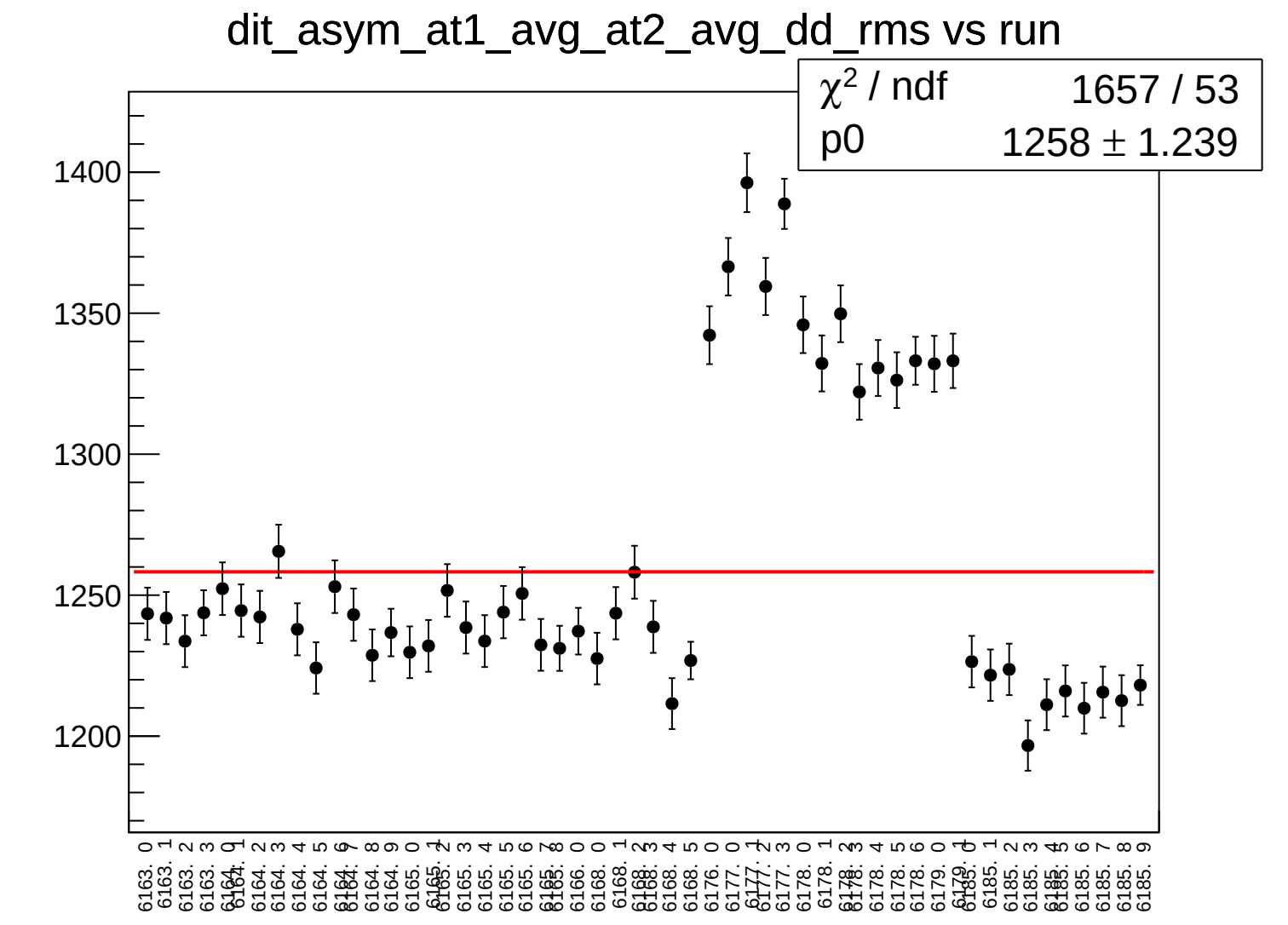

asym_at1_avg_at2_avg_dd_eigen_cor_correction_mean vs run
χ² / ndf 54.69 / 53
p0 7593 ± 5861
pull
Entries 54
Mean 10.94
Std Dev 0

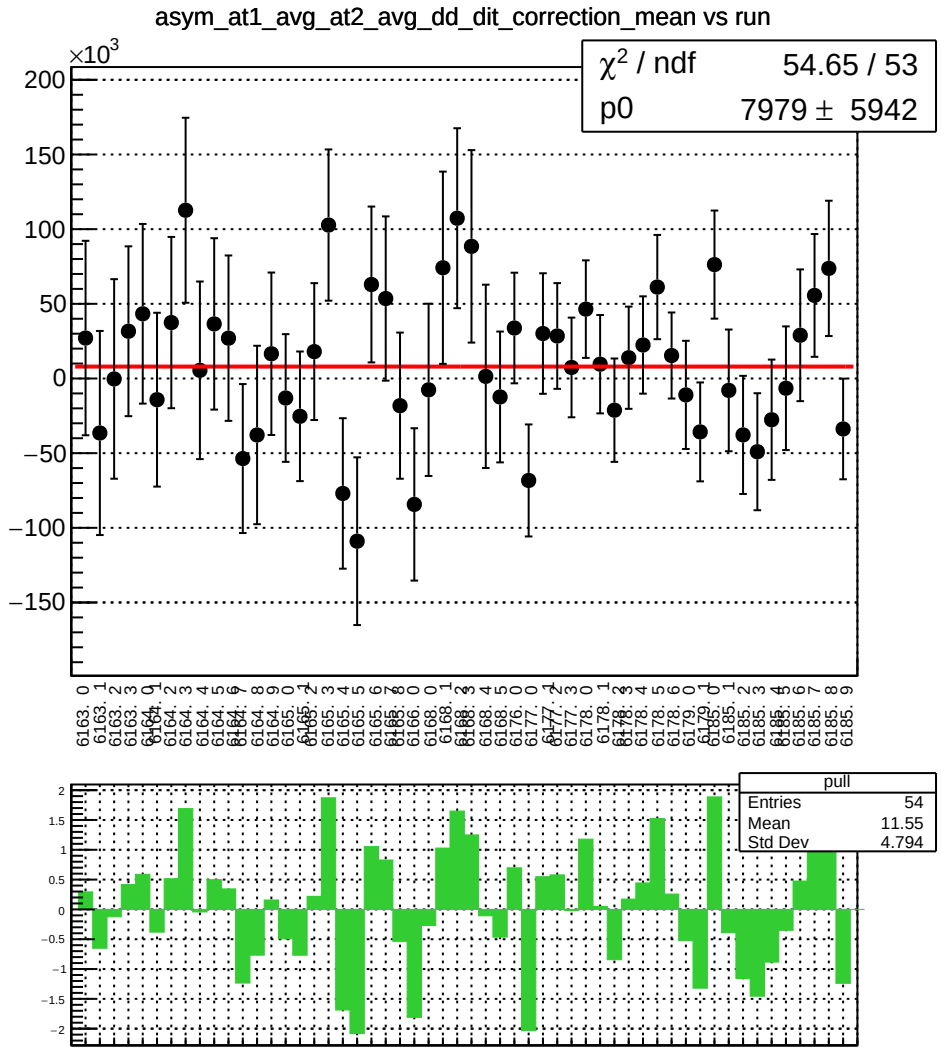

pull1D
Entries 54
Mean 0.02436
Std Dev 1.006

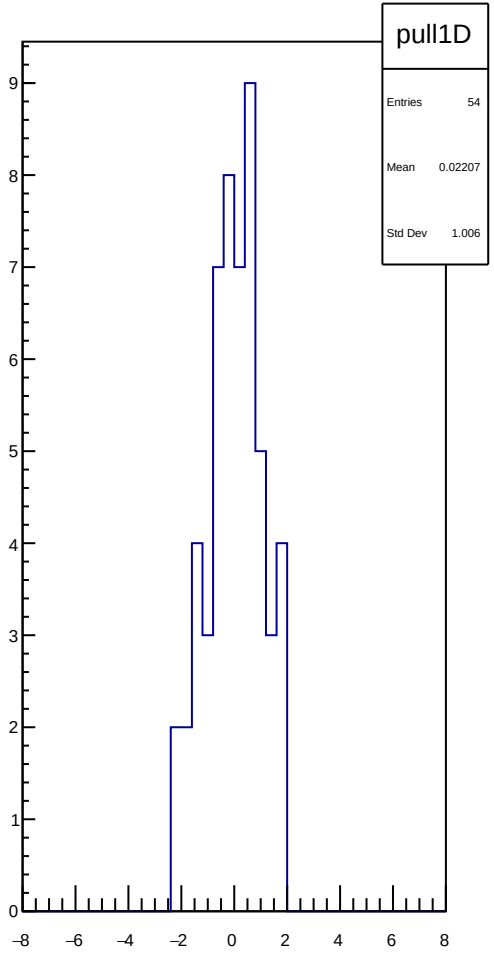

asym_at1_avg_at2_avg_dd_eigen_cor_correction_rms vs run
χ² / ndf 6.13e+04 / 53
p0 4085 ± 4.144
6500
6000
5500
5000
4500
4000
3500
3000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

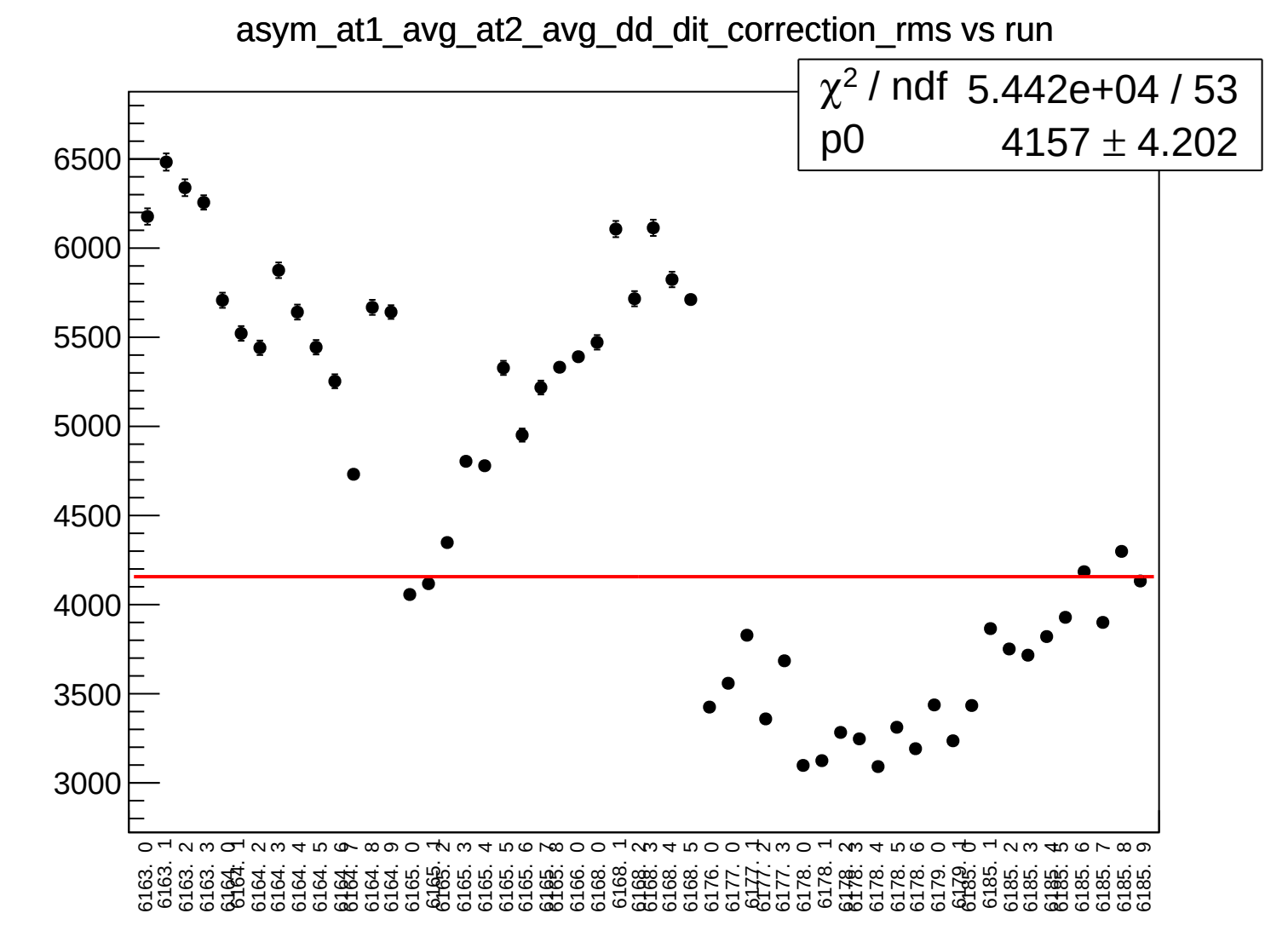

dit_asym_at1_avg_at2_avg_dd_mean vs run
χ² / ndf 79.97 / 53
p0 155 ± 1752
60000
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −2993
Std Dev 0
4
3
2
1
0
−1
−2

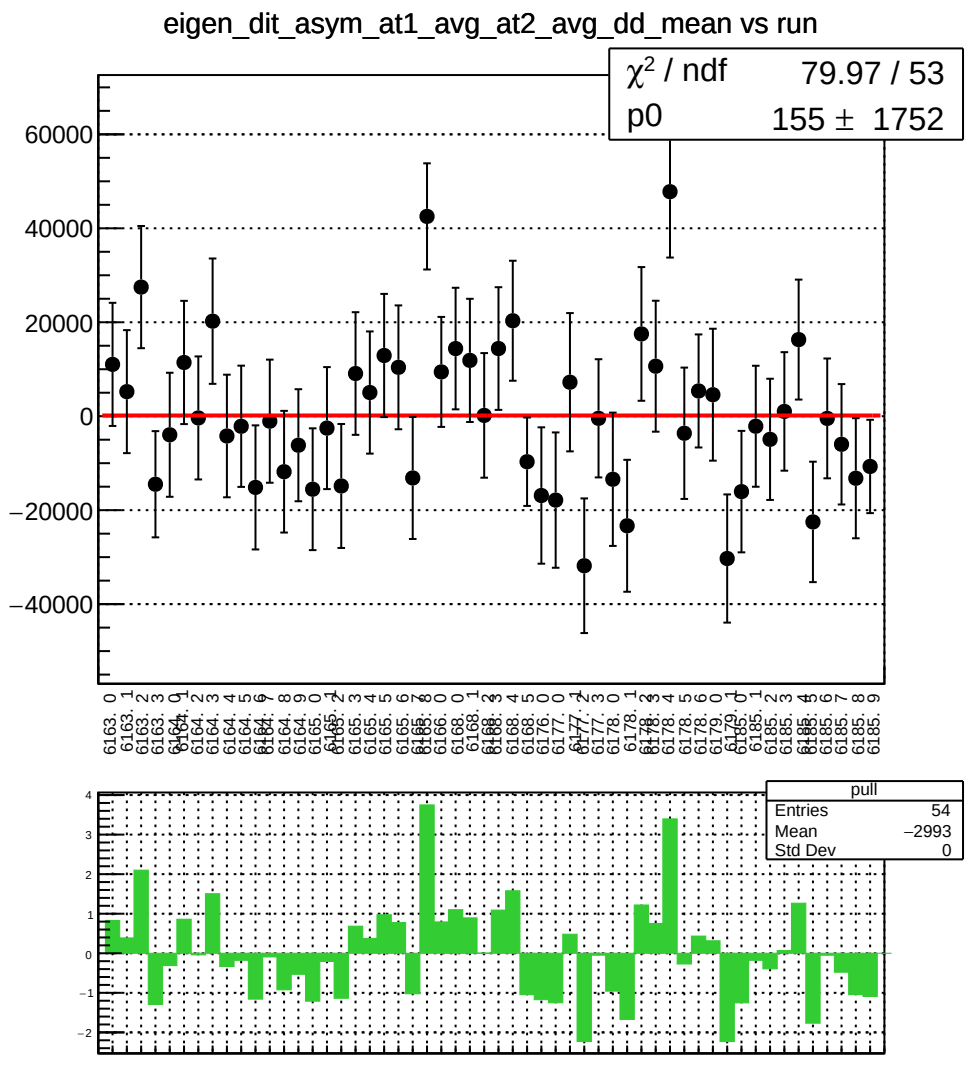

pull1D
Entries 54
Mean 0.001084
Std Dev 1.217
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

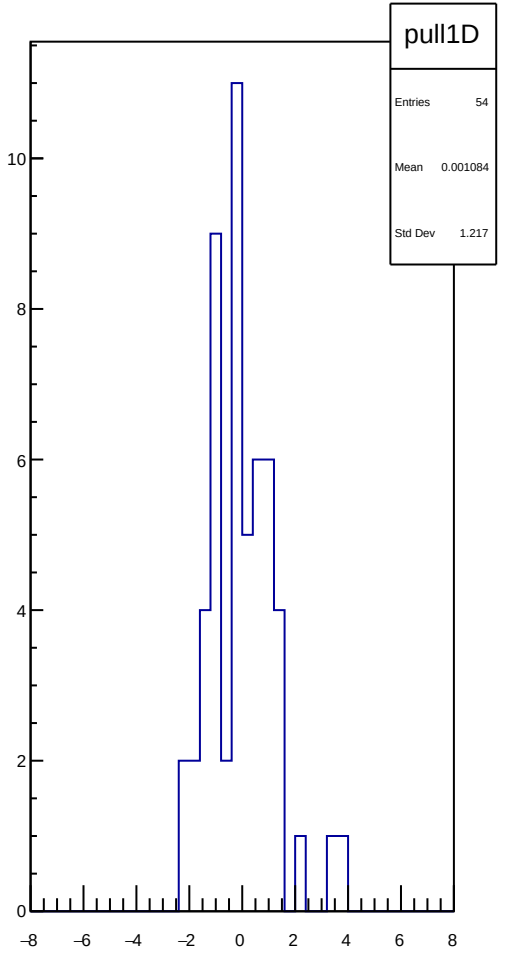

dit_asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 1657 / 53
p0 1258 ± 1.239
1400
1350
1300
1250
1200
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

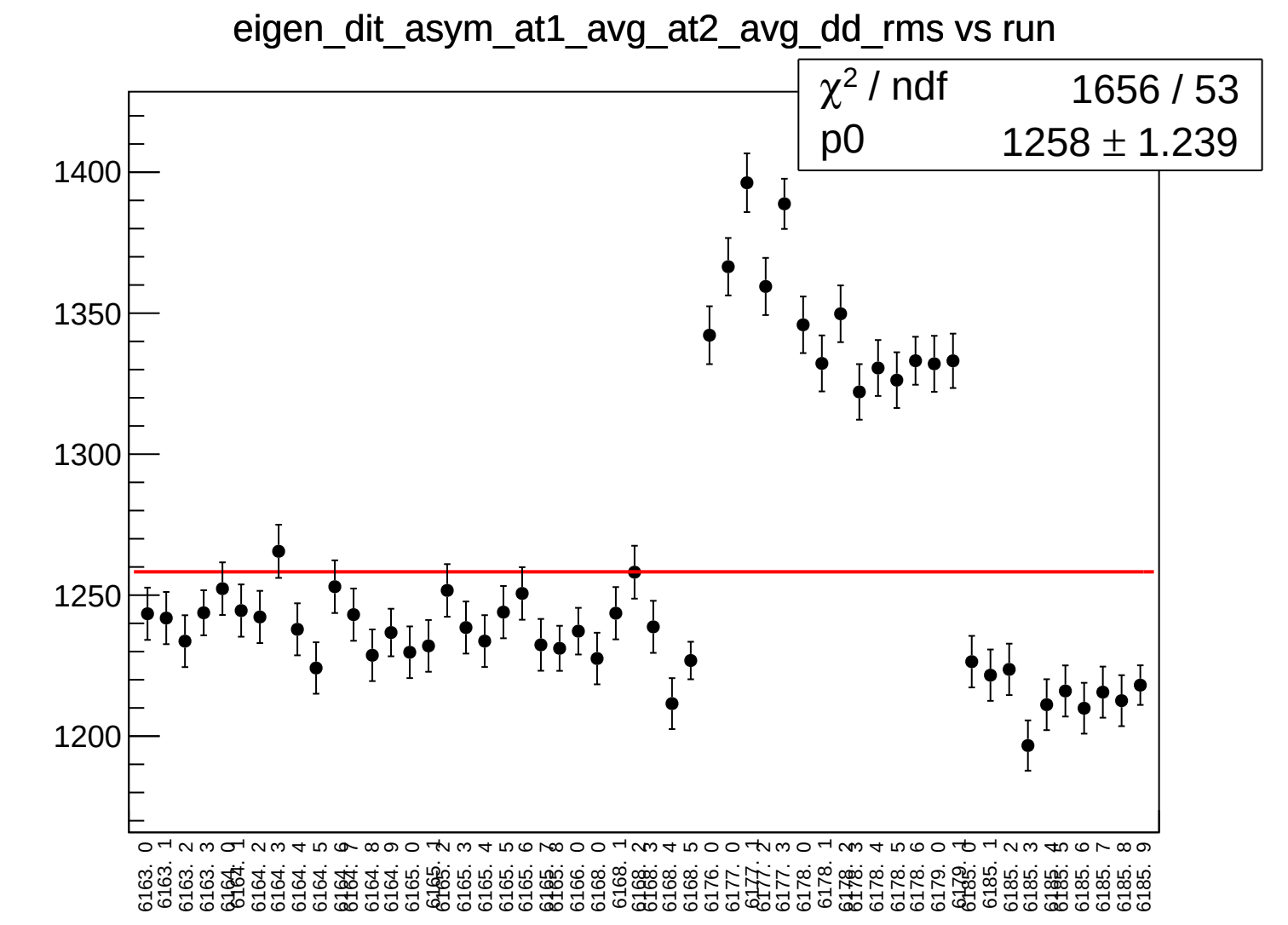

asym_at1_avg_at2_avg_dd_dit_correction_mean vs run
×10^3
χ² / ndf 54.65 / 53
p0 7979 ± 5942
pull
Entries 54
Mean 11.55
Std Dev 4.794

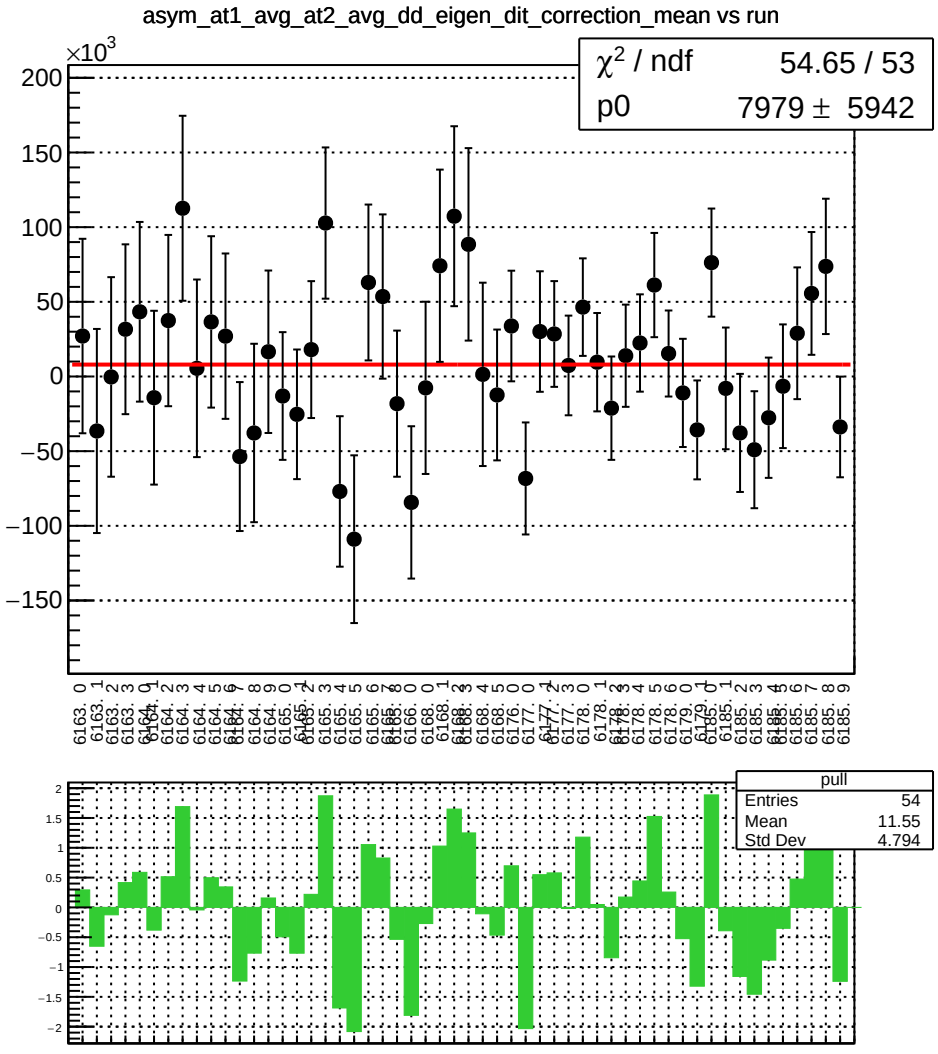

pull1D
Entries 54
Mean 0.02207
Std Dev 1.006

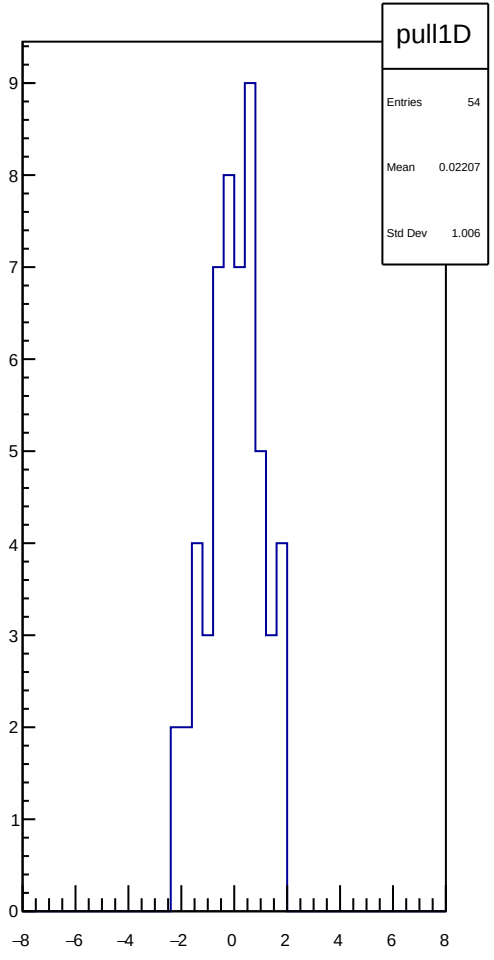

asym_at1_avg_at2_avg_dd_dit_correction_rms vs run
χ² / ndf 5.442e+04 / 53
p0 4157 ± 4.202
6500
6000
5500
5000
4500
4000
3500
3000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

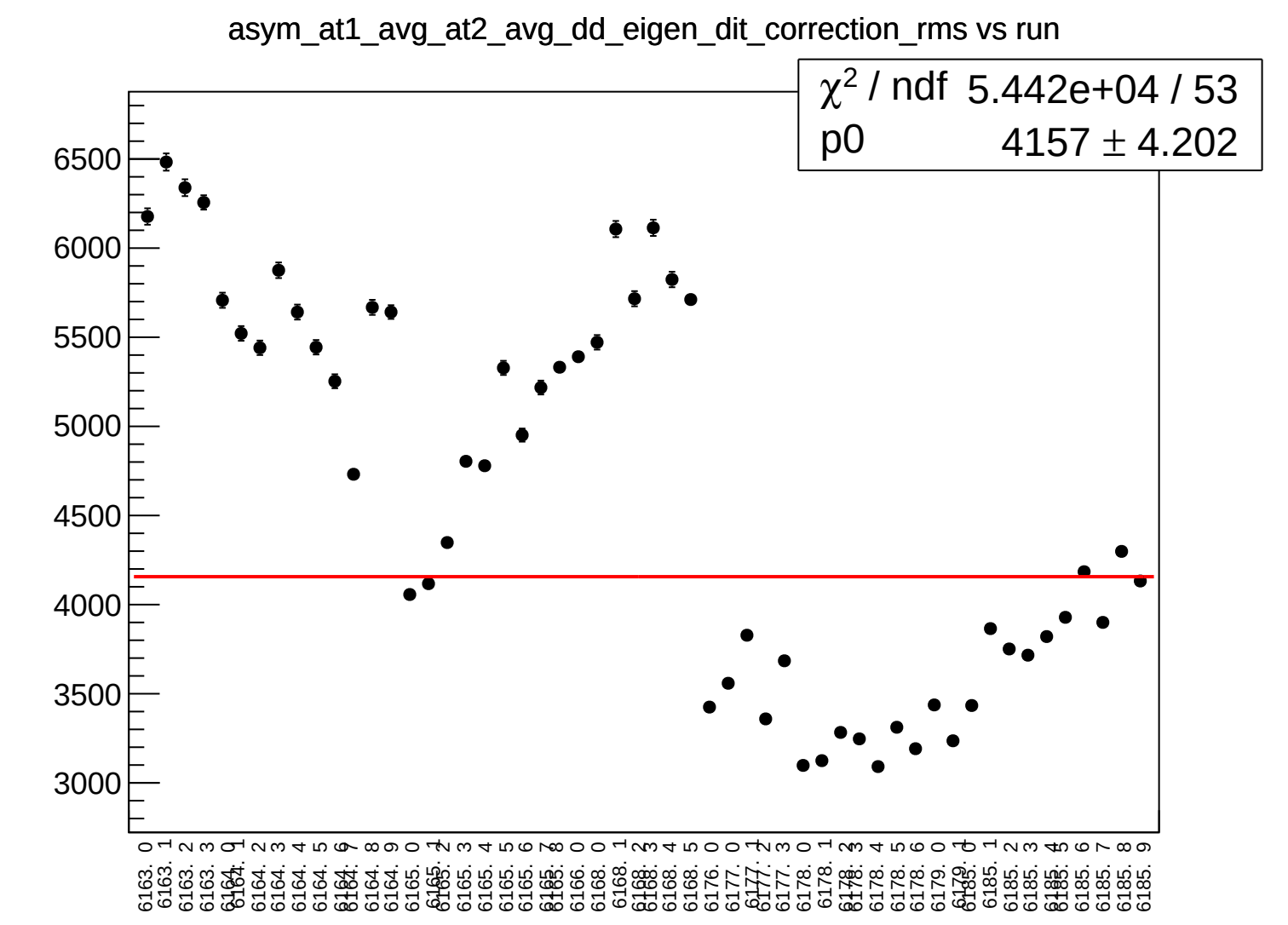

eigen_dit_asym_at1_avg_at2_avg_dd_mean vs run
χ² / ndf 79.97 / 53
p0 155 ± 1752
60000
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −2993
Std Dev 0
4
3
2
1
0
−1
−2

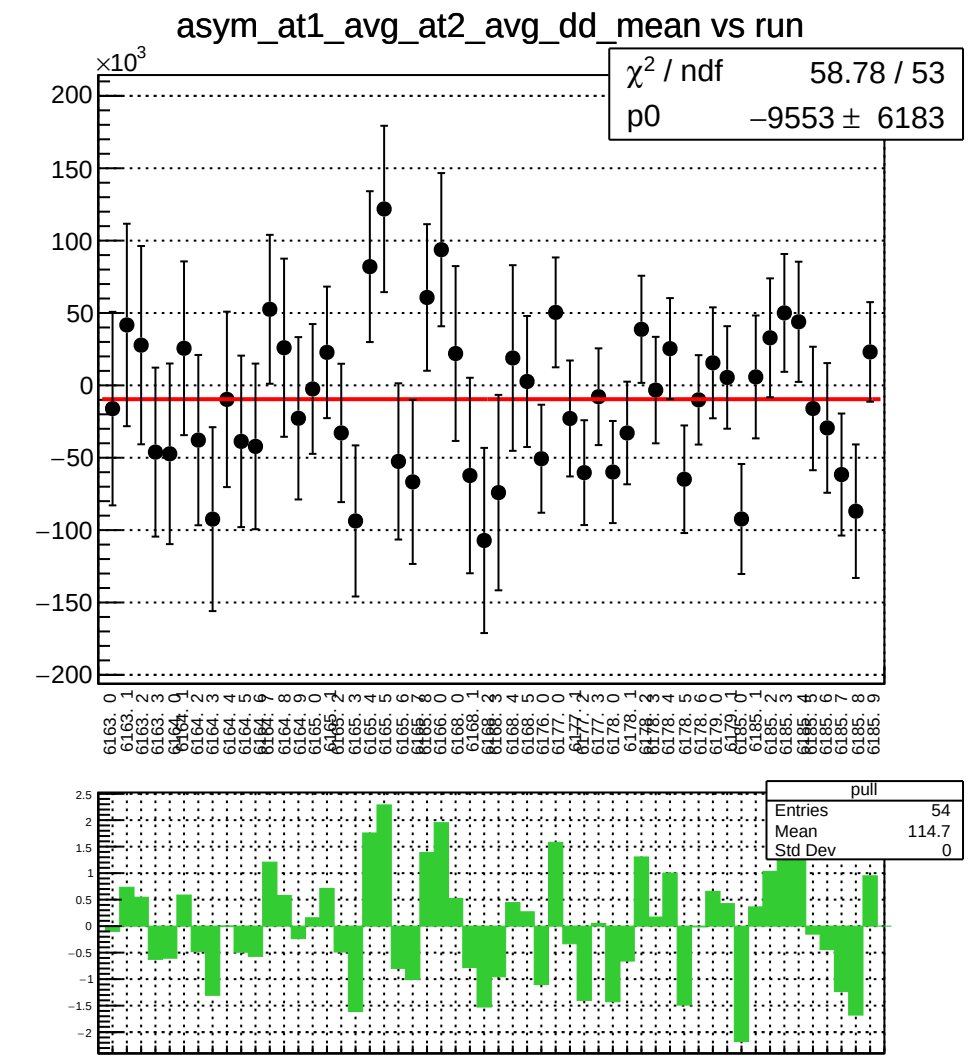

pull1D
Entries 54
Mean 0.001084
Std Dev 1.217
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

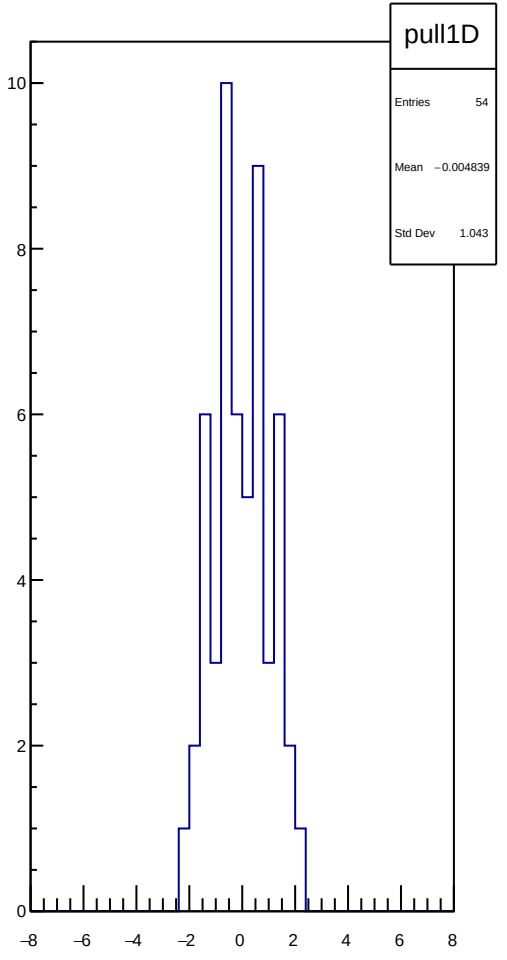

eigen_dit_asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 1656 / 53
p0 1258 ± 1.239
1400
1350
1300
1250
1200
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

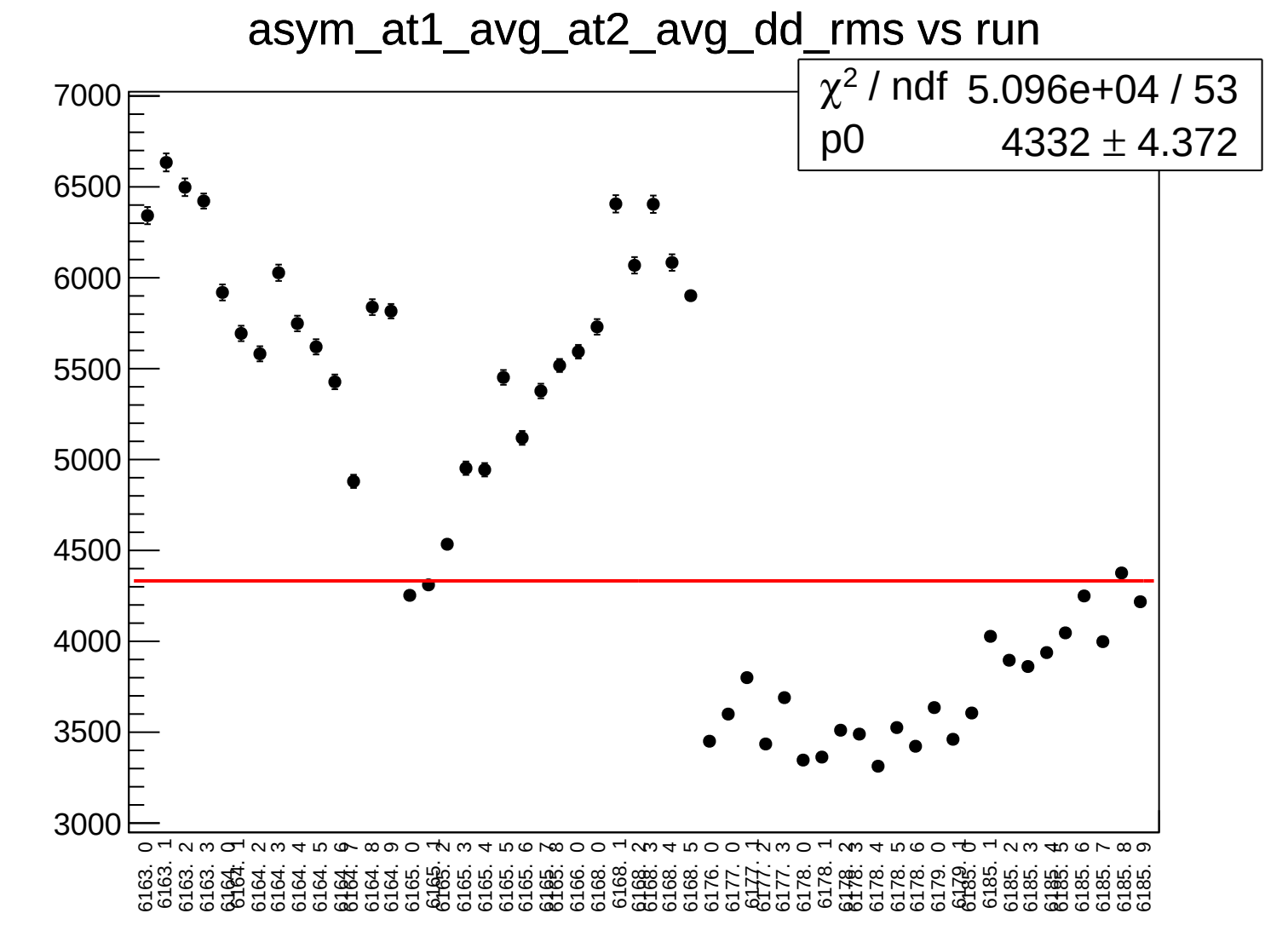

asym_at1_avg_at2_avg_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 54.65 / 53
p0 7979 ± 5942
pull
Entries 54
Mean 11.55
Std Dev 4.794

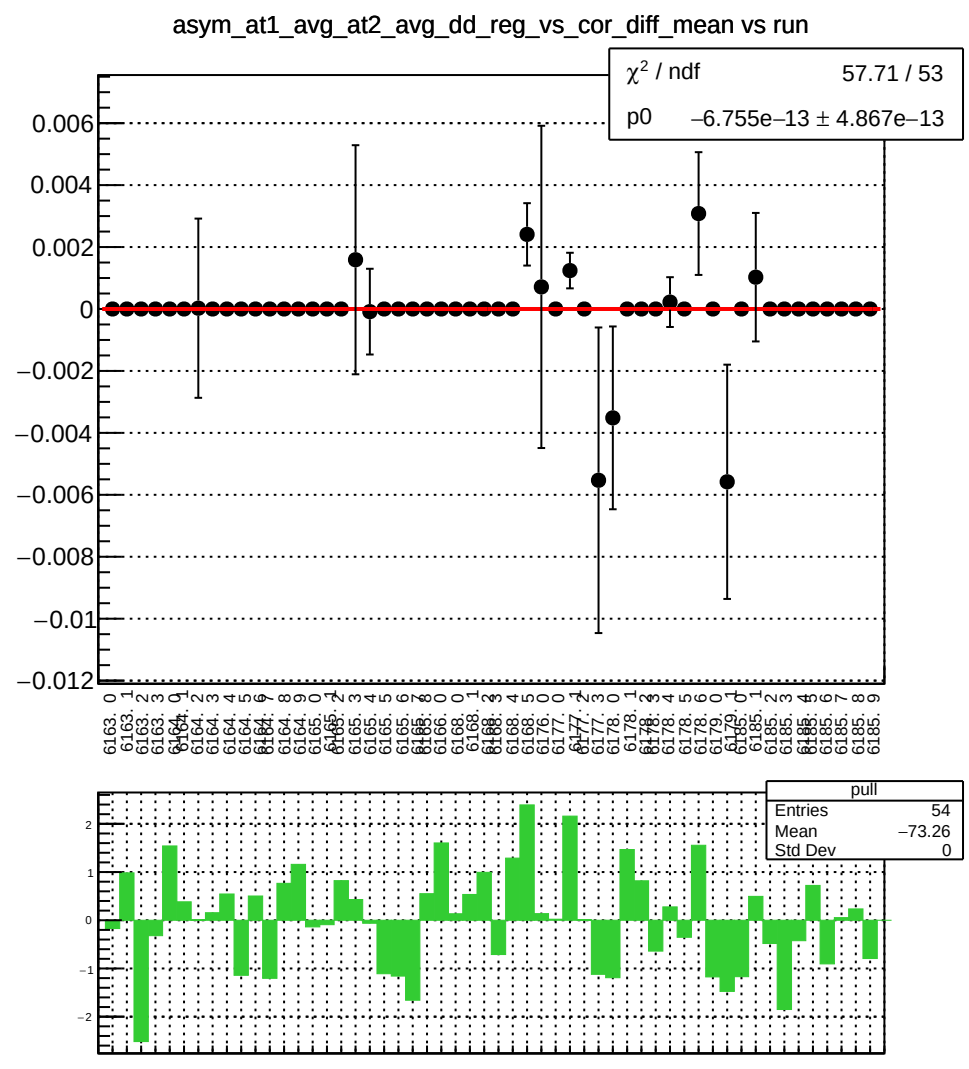

pull1D
Entries 54
Mean 0.02207
Std Dev 1.006

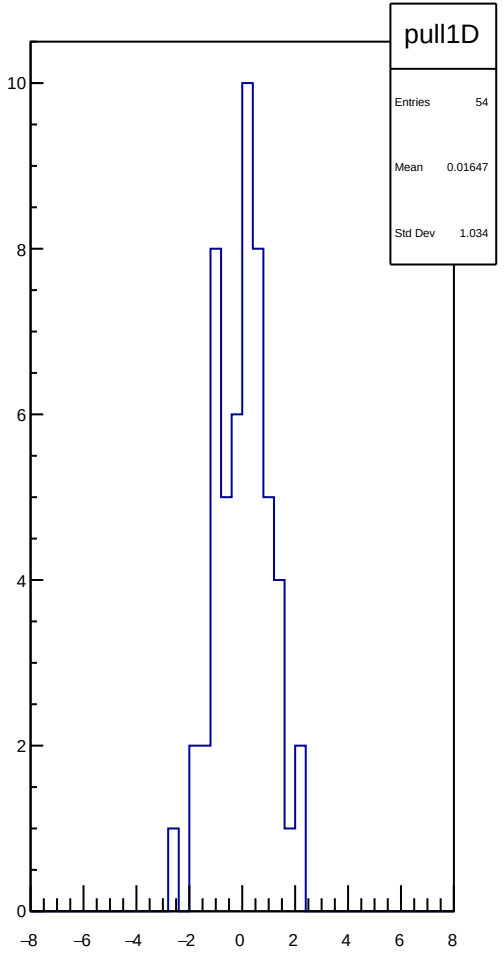

asym_at1_avg_at2_avg_dd_eigen_dit_correction_rms vs run
χ² / ndf 5.442e+04 / 53
p0 4157 ± 4.202
6500
6000
5500
5000
4500
4000
3500
3000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

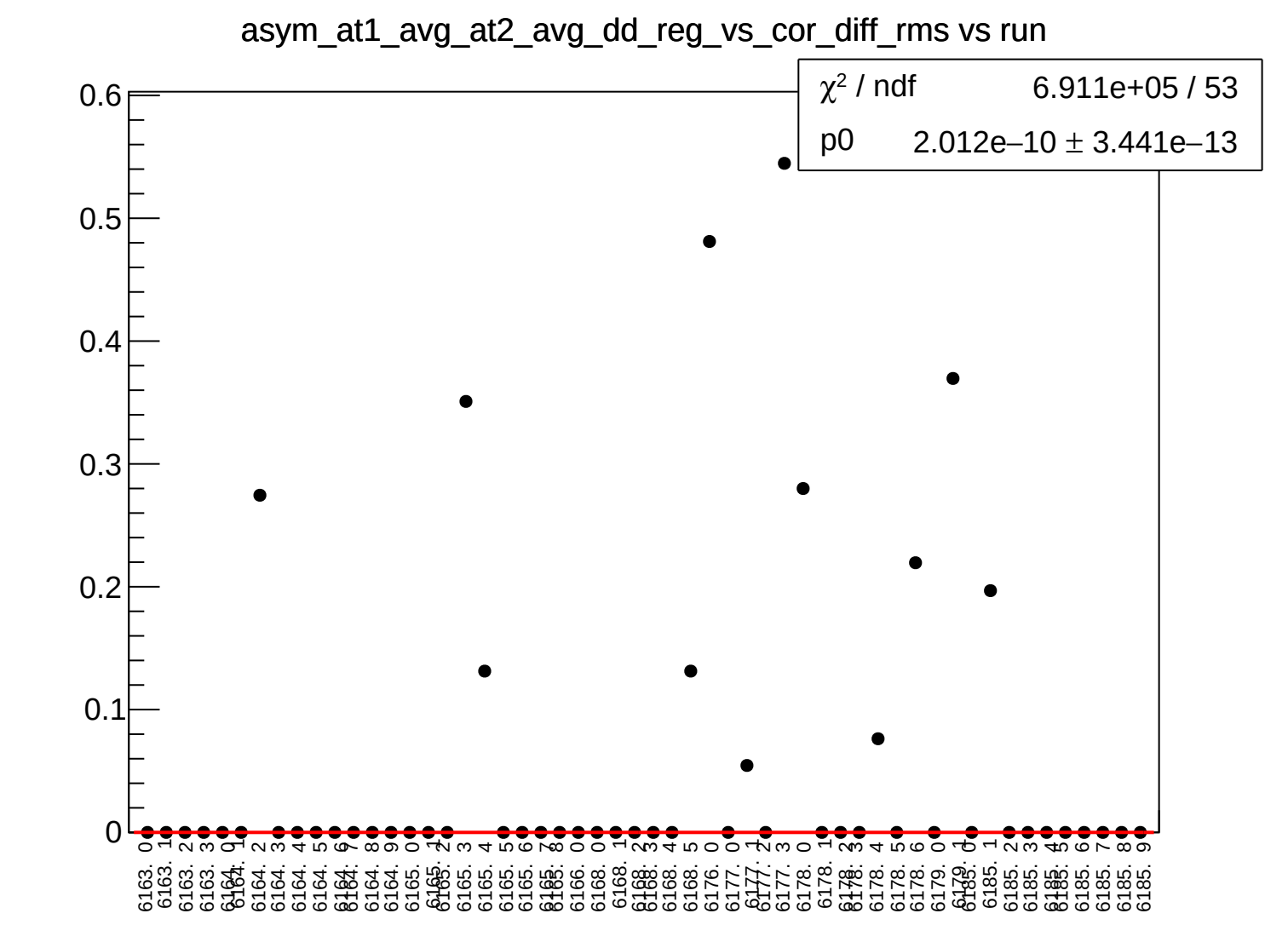

asym_at1_avg_at2_avg_dd_mean vs run
×10^3
χ² / ndf 58.78 / 53
p0 −9553 ± 6183
pull
Entries 54
Mean 114.7
Std Dev 0

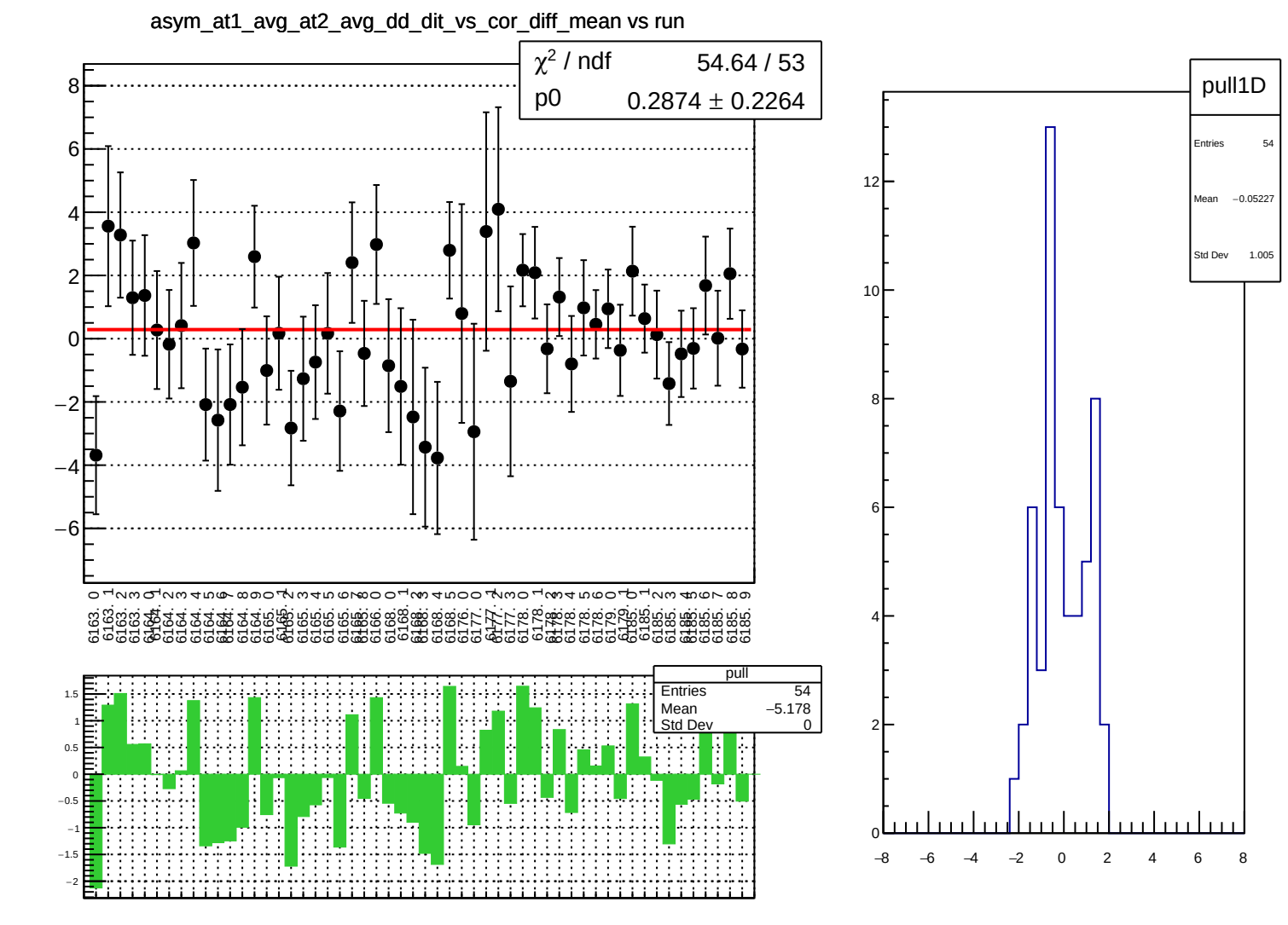

pull1D
Entries 54
Mean −0.004839
Std Dev 1.043

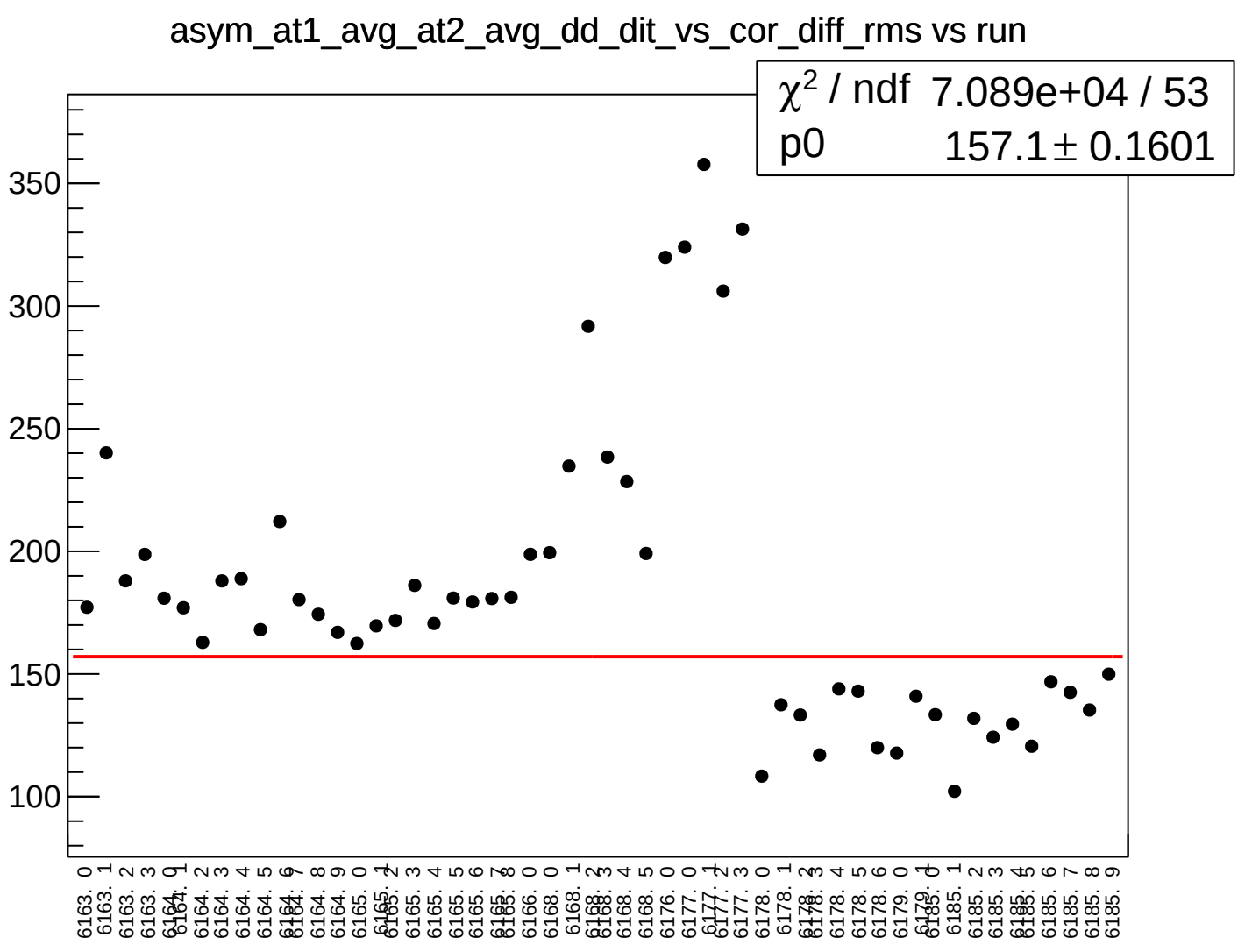

asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 5.096e+04 / 53
p0 4332 ± 4.372
7000
6500
6000
5500
5000
4500
4000
3500
3000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

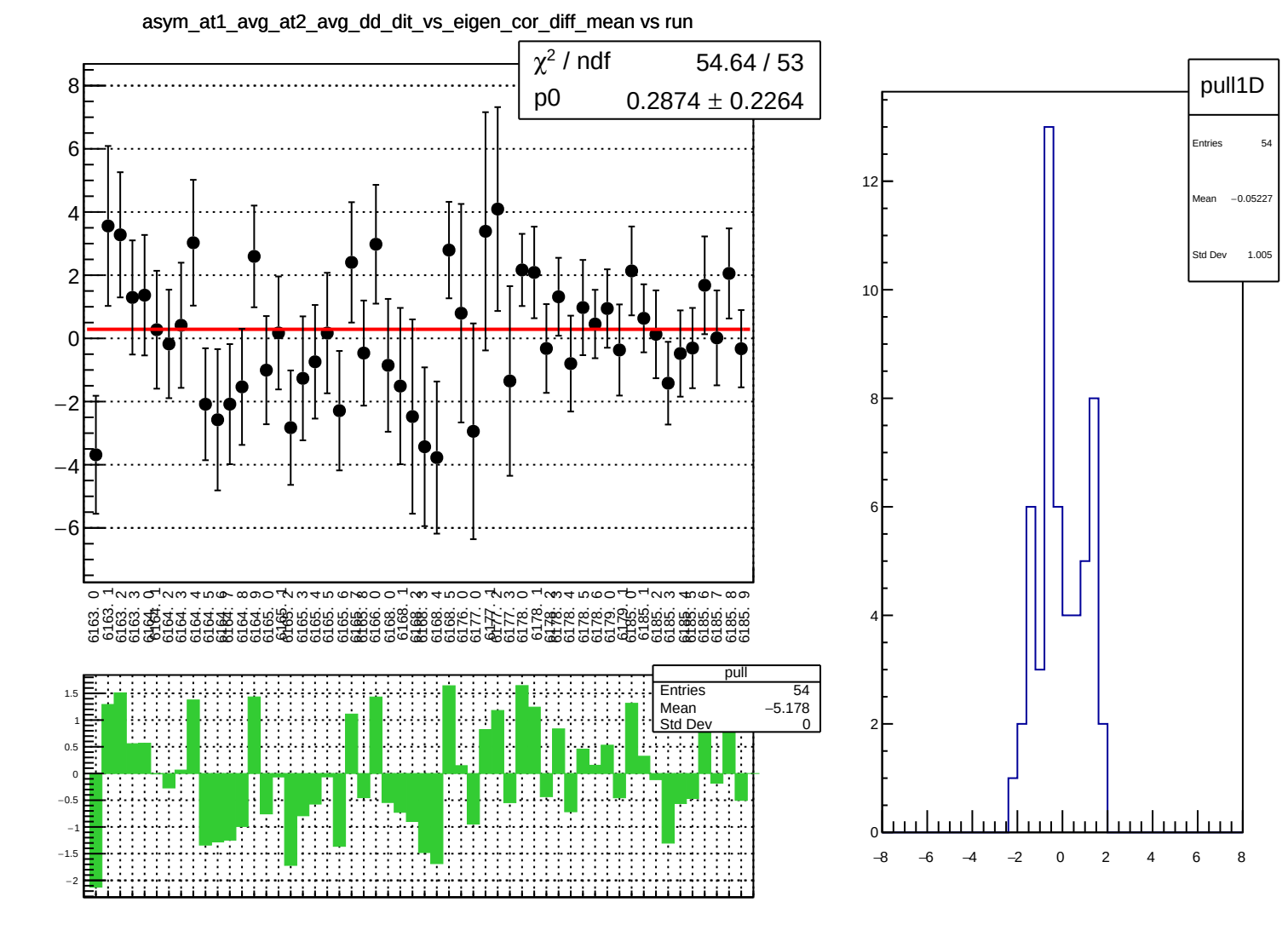

asym_at1_avg_at2_avg_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 57.71 / 53
p0 −6.755e−13 ± 4.867e−13
pull
Entries 54
Mean −73.26
Std Dev 0

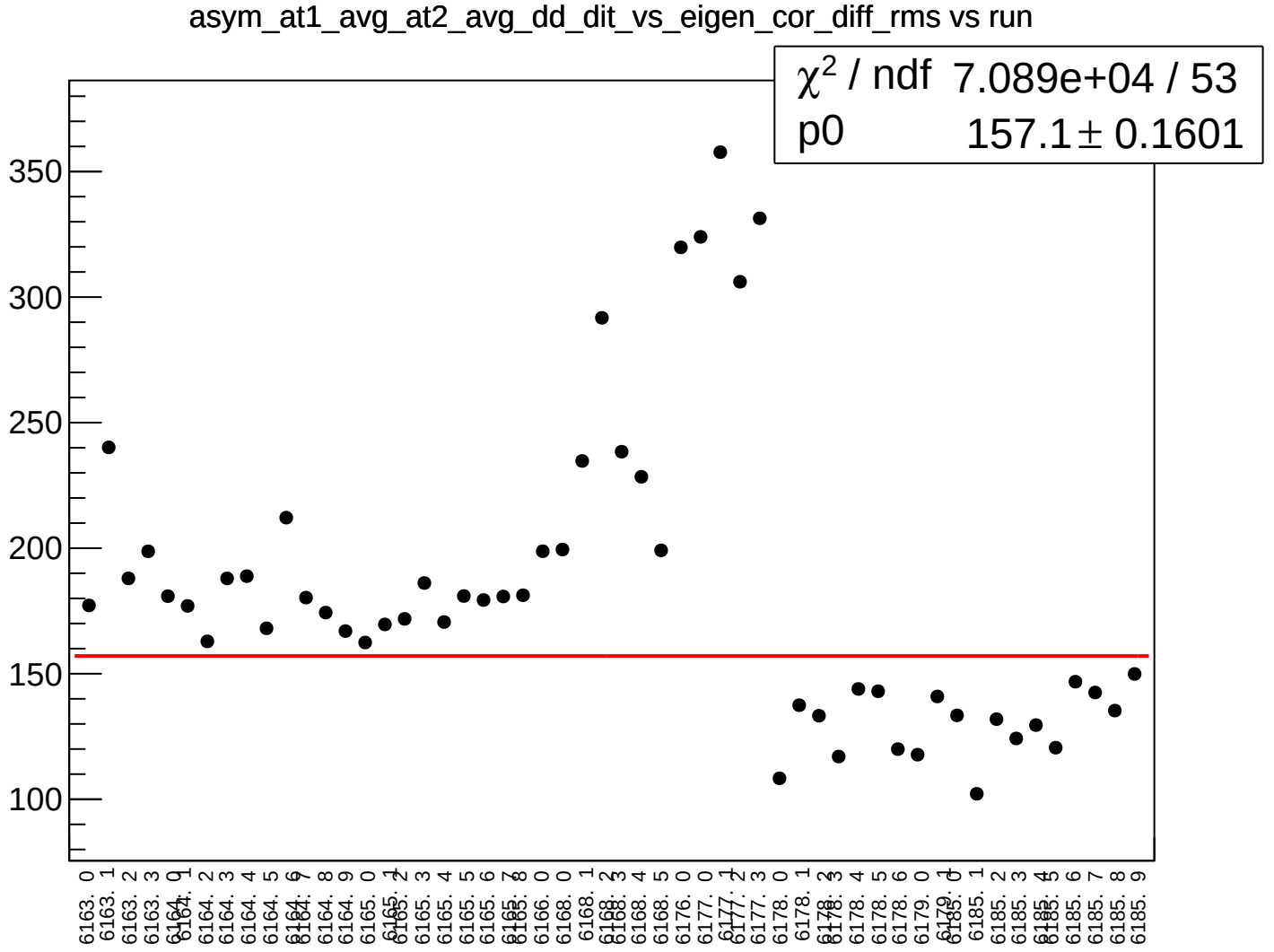

pull1D
Entries 54
Mean 0.01647
Std Dev 1.034

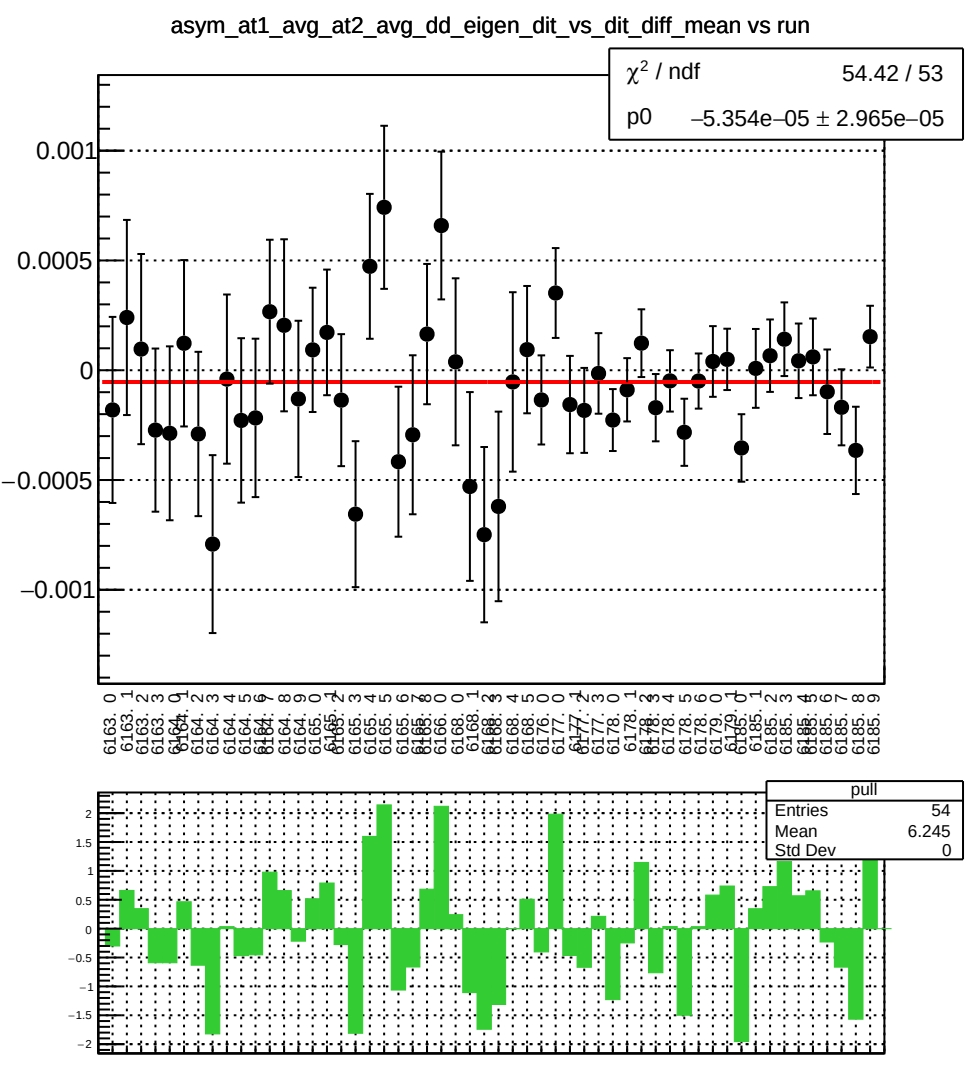

asym_at1_avg_at2_avg_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.911e+05 / 53
p0 2.012e−10 ± 3.441e−13
0.6
0.5
0.4
0.3
0.2
0.1
0
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 2
6165. 3
6165. 4
6165. 5
6165. 6
6165. 7
6165. 8
6166. 0
6168. 0
6168. 1
6168. 2
6168. 3
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 3
6178. 4
6178. 5
6178. 6
6179. 0
6179. 1
6185. 0
6185. 1
6185. 2
6185. 3
6185. 4
6185. 5
6185. 6
6185. 7
6185. 8
6185. 9

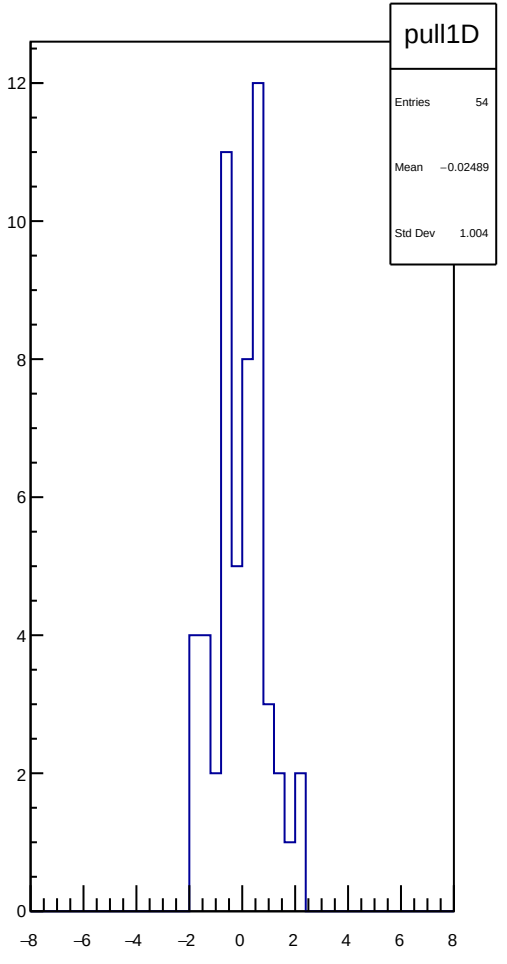

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 54.64 / 53
p0 0.2874 ± 0.2264
pull
Entries 54
Mean −5.178
Std Dev 0
pull1D
Entries 54
Mean −0.05227
Std Dev 1.005

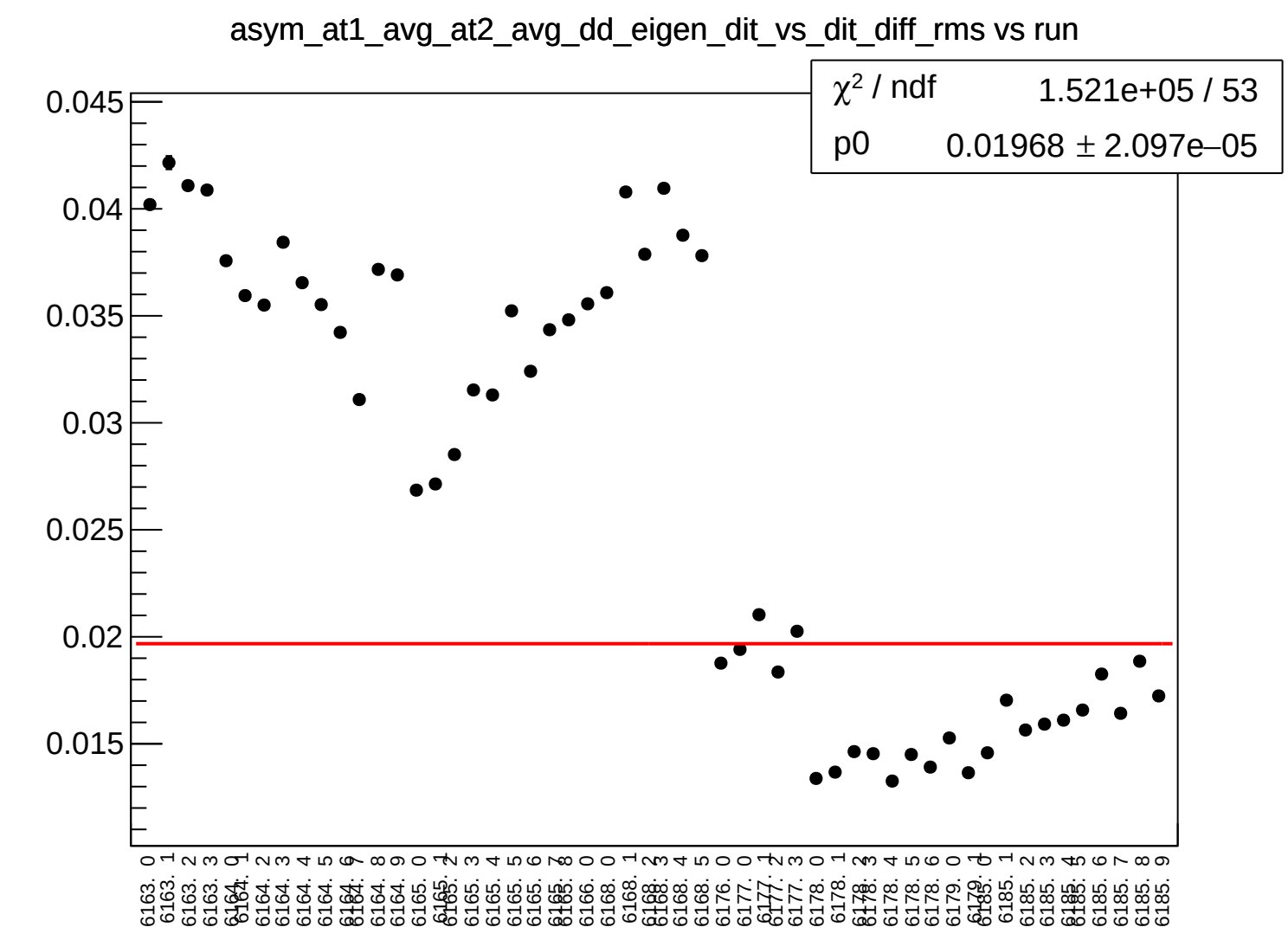

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 7.089e+04 / 53
p0 157.1 ± 0.1601
350
300
250
200
150
100
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

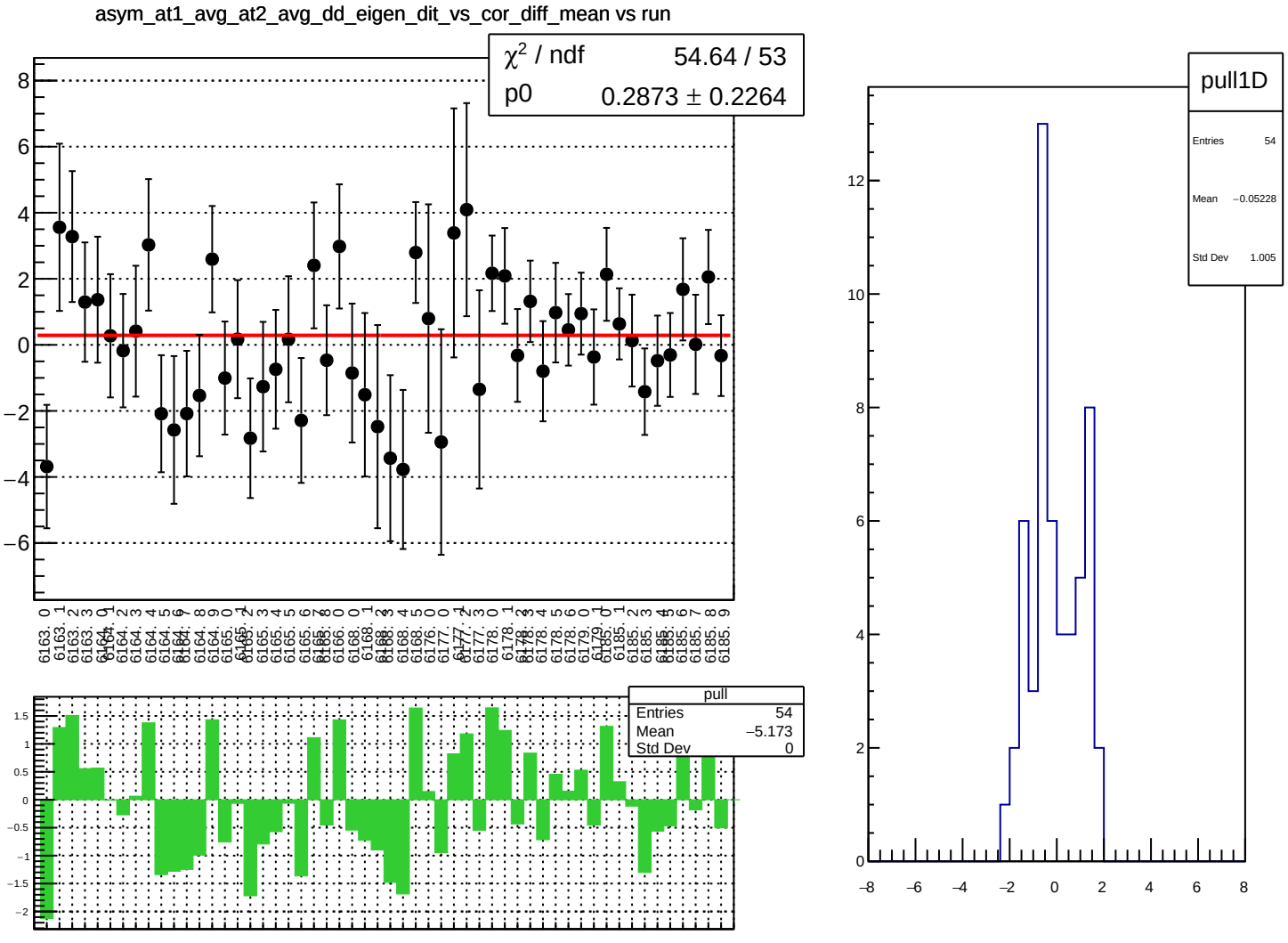

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 54.64 / 53
p0 0.2874 ± 0.2264
pull
Entries 54
Mean −5.178
Std Dev 0
pull1D
Entries 54
Mean −0.05227
Std Dev 1.005

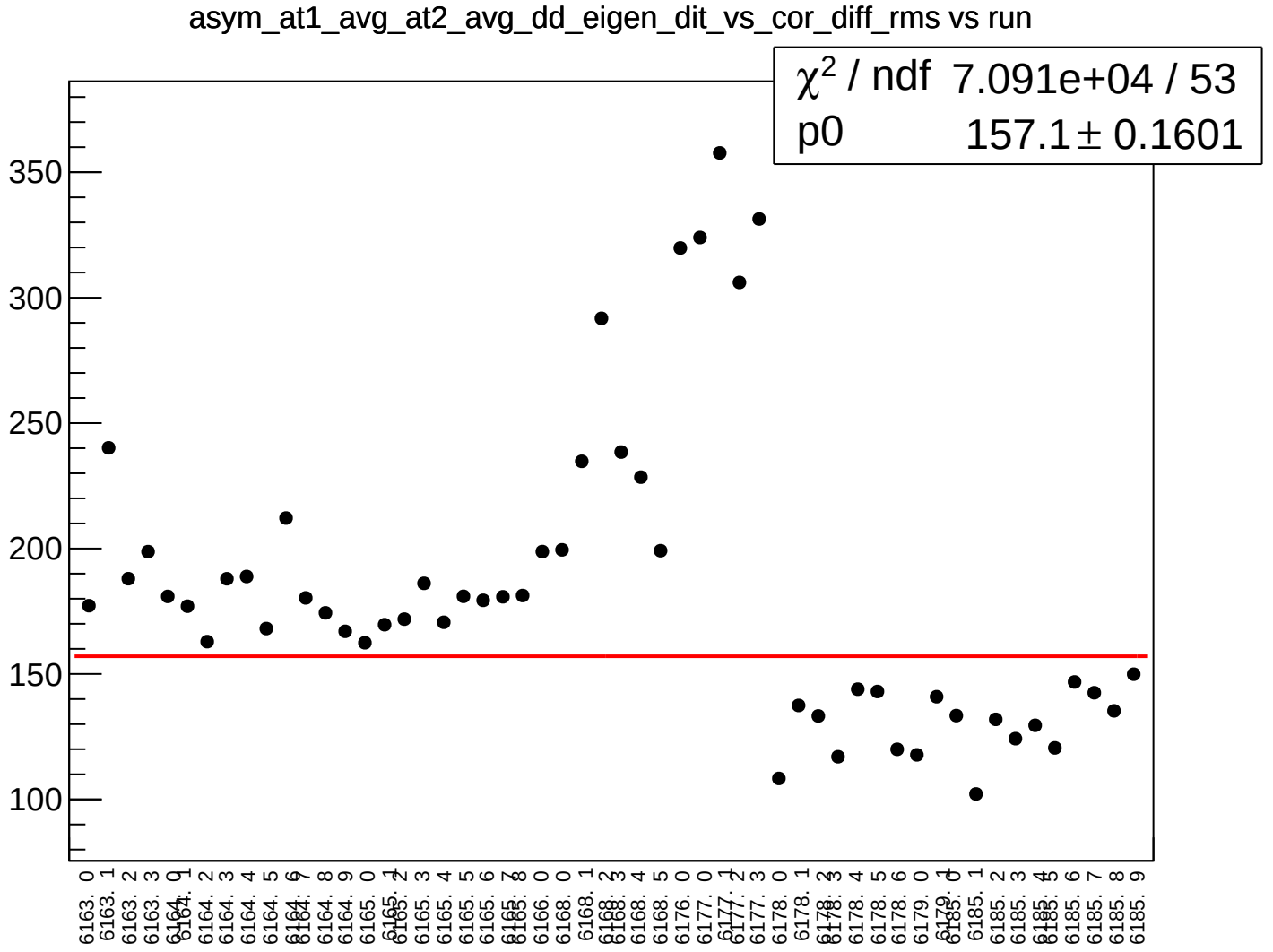

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.089e+04 / 53
p0 157.1 ± 0.1601
350
300
250
200
150
100
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

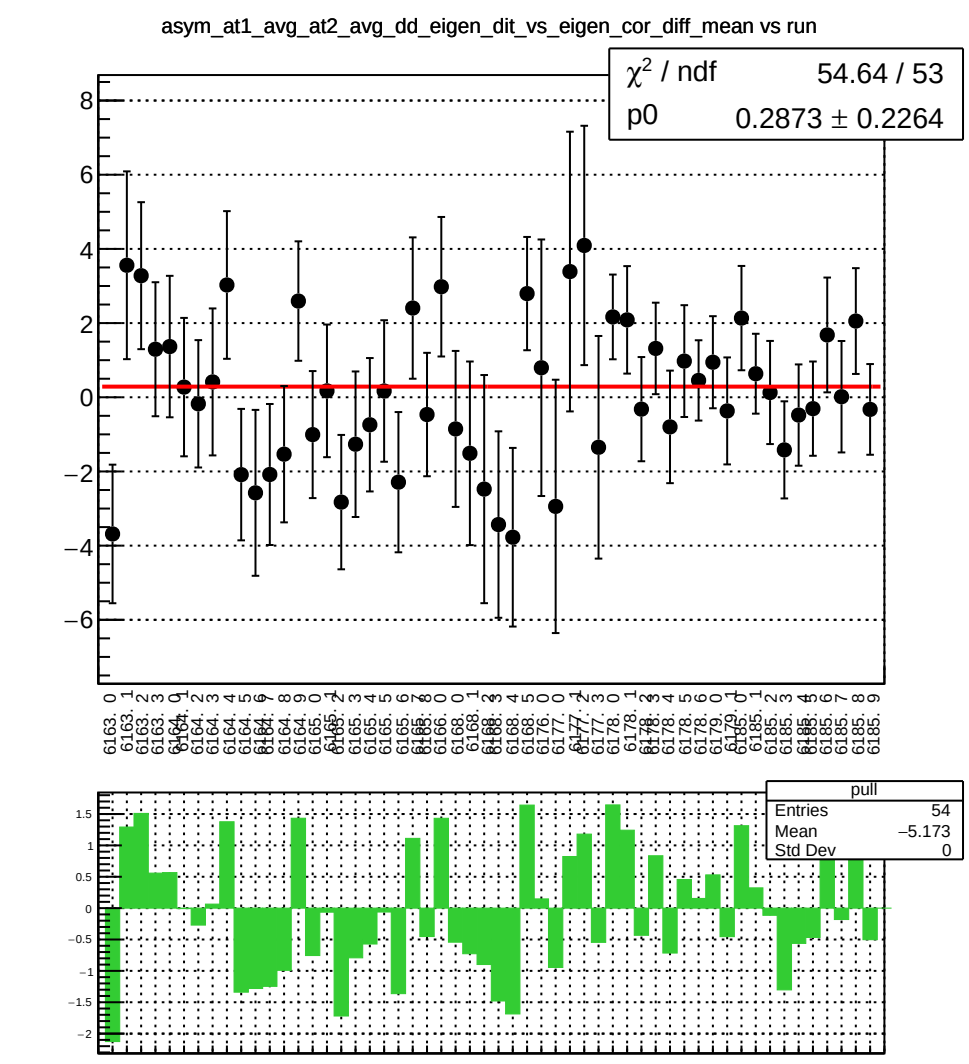

asym_at1_avg_at2_avg_dd_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 54.42 / 53
p0 −5.354e−05 ± 2.965e−05
0.001
0.0005
0
−0.0005
−0.001
pull
Entries 54
Mean 6.245
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

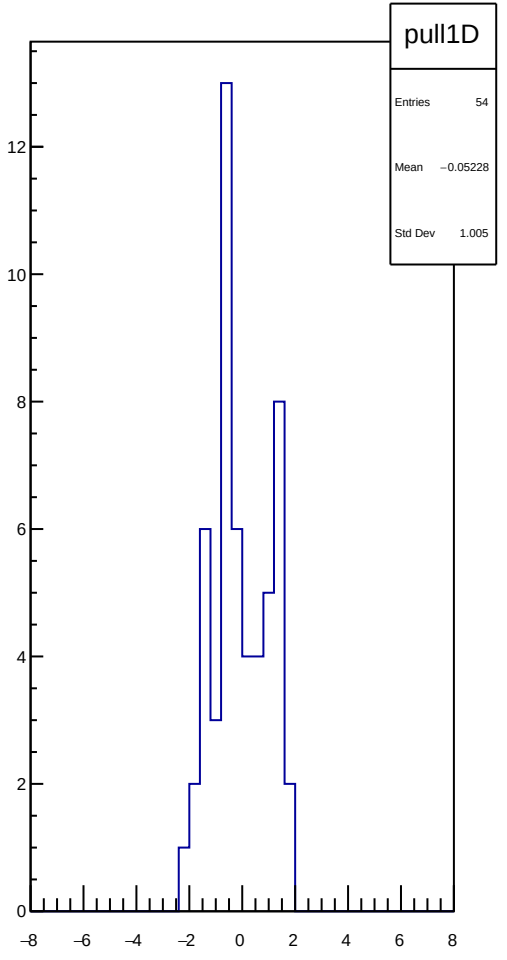

pull1D
Entries 54
Mean −0.02489
Std Dev 1.004
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

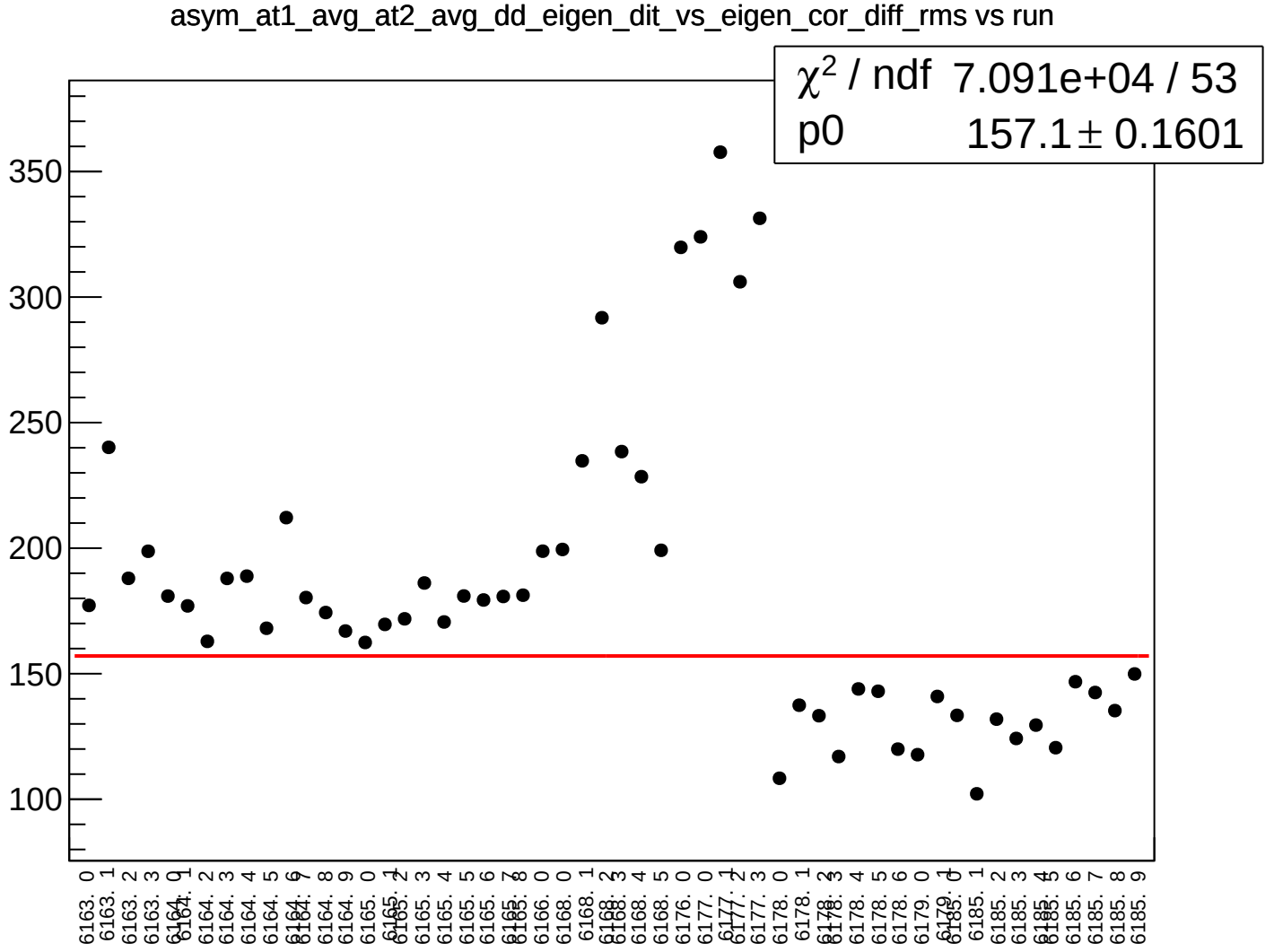

asym_at1_avg_at2_avg_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.521e+05 / 53
p0 0.01968 ± 2.097e–05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

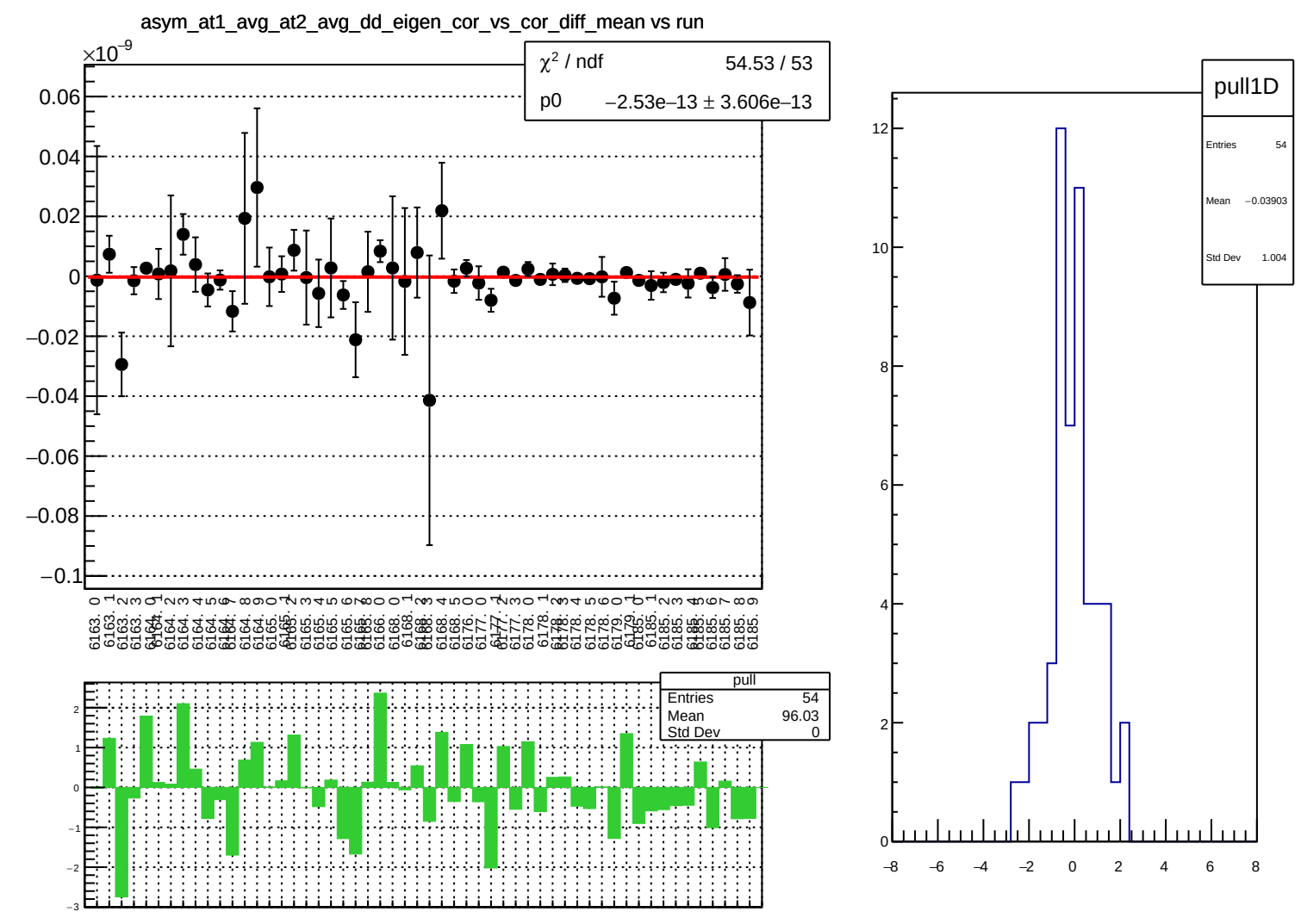

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 54.64 / 53
p0 0.2873 ± 0.2264
pull
Entries 54
Mean −5.173
Std Dev 0
pull1D
Entries 54
Mean −0.05228
Std Dev 1.005

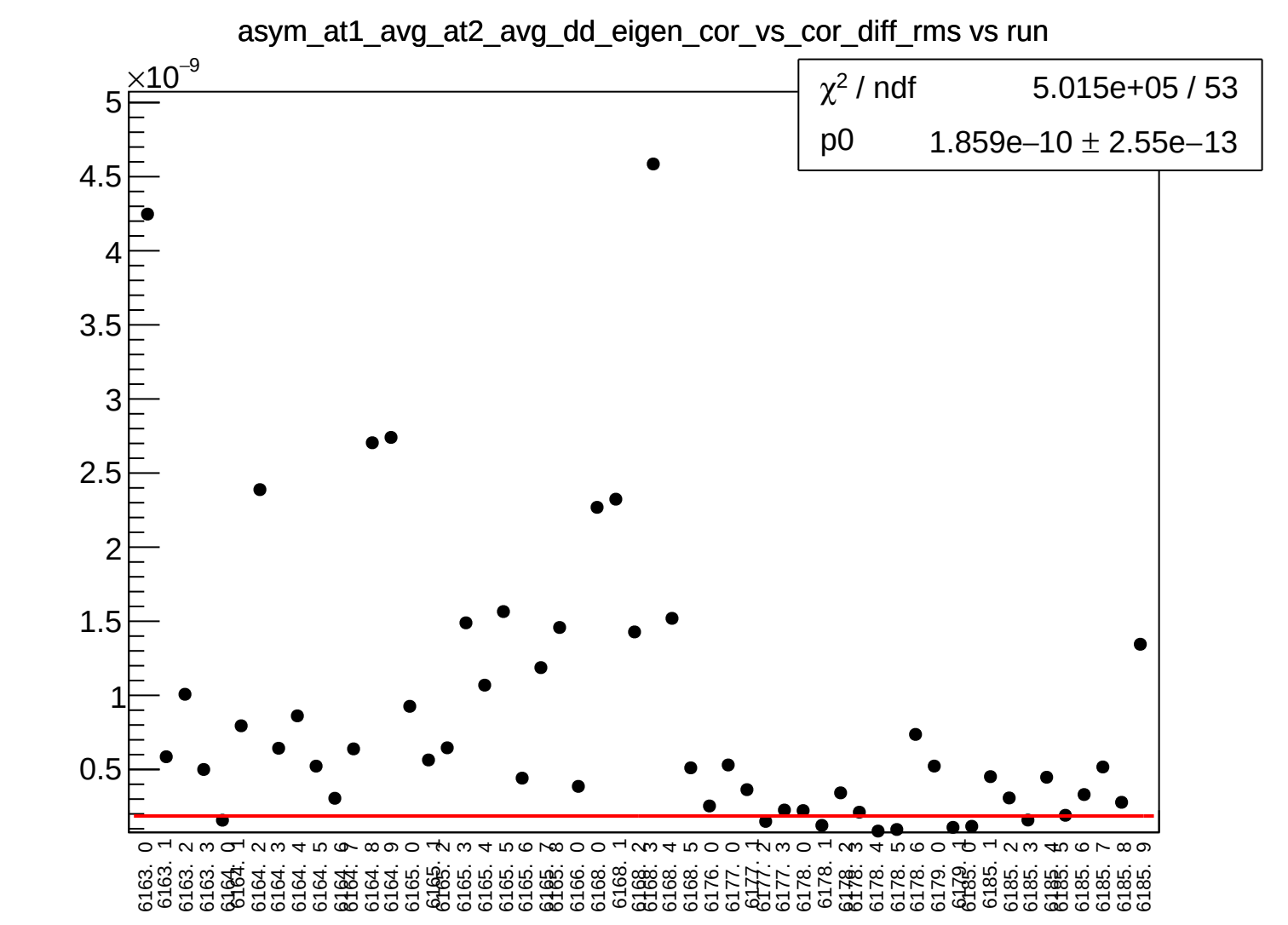

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 7.091e+04 / 53
p0 157.1 ± 0.1601
350
300
250
200
150
100
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

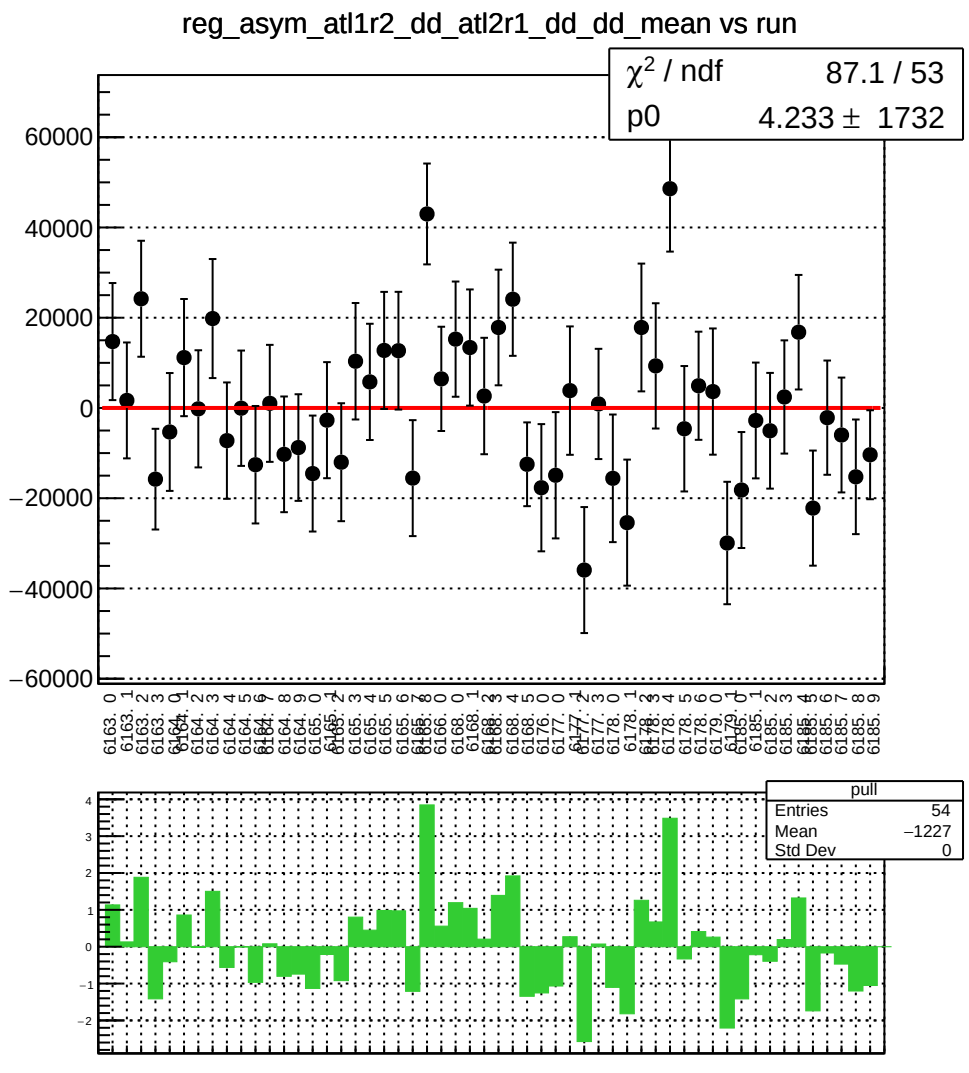

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 54.64 / 53
p0 0.2873 ± 0.2264
pull
Entries 54
Mean −5.173
Std Dev 0

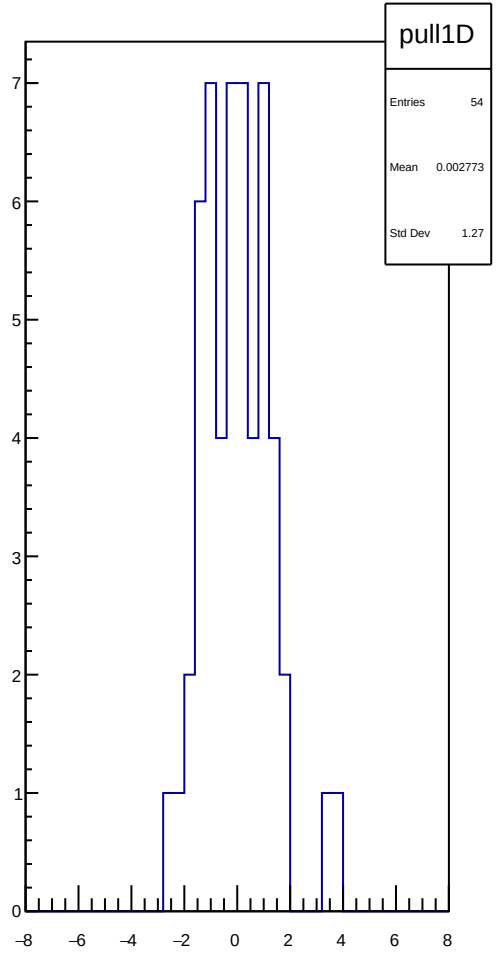

pull1D
Entries 54
Mean −0.05228
Std Dev 1.005

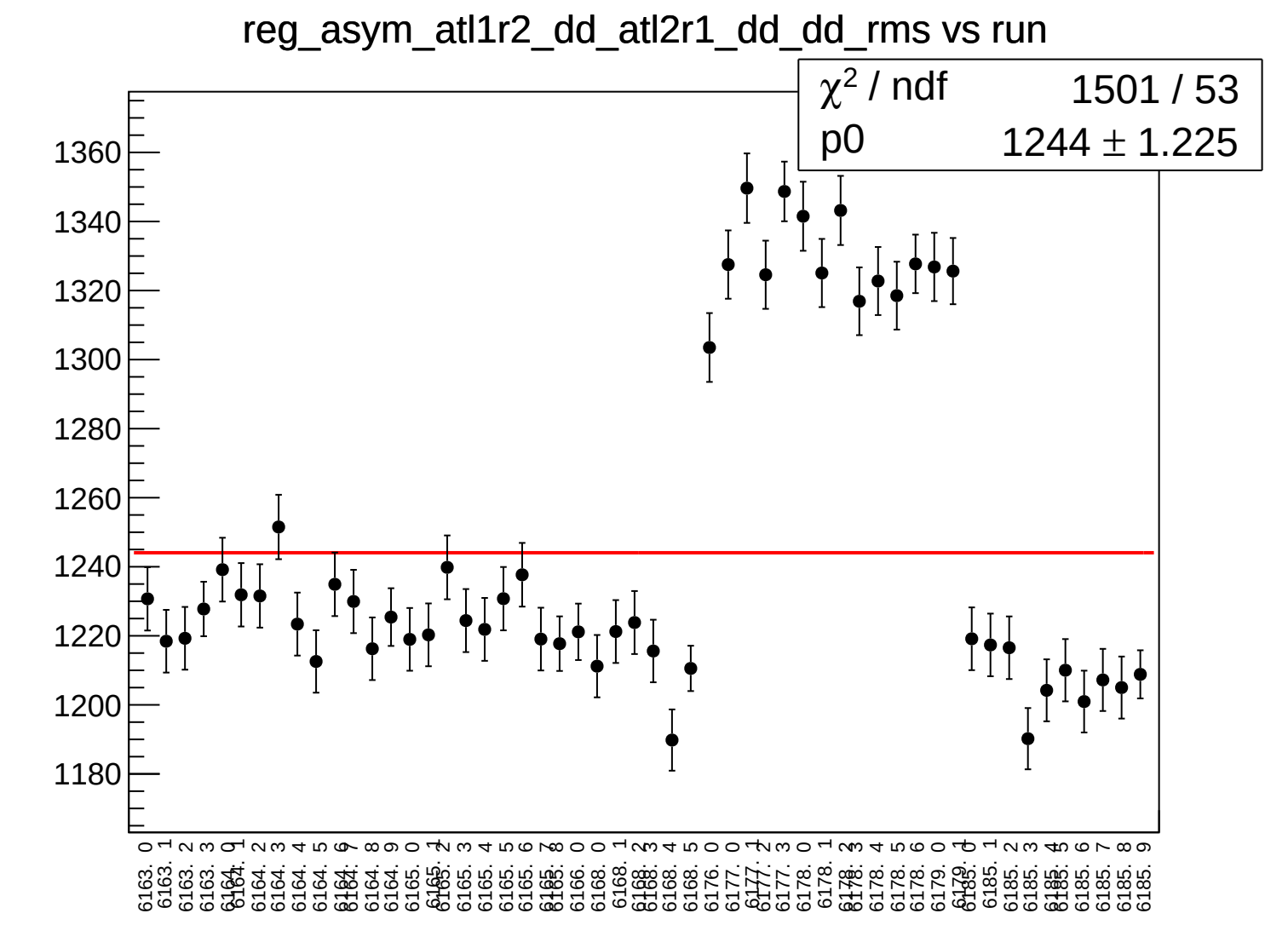

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.091e+04 / 53
p0 157.1 ± 0.1601
350
300
250
200
150
100
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

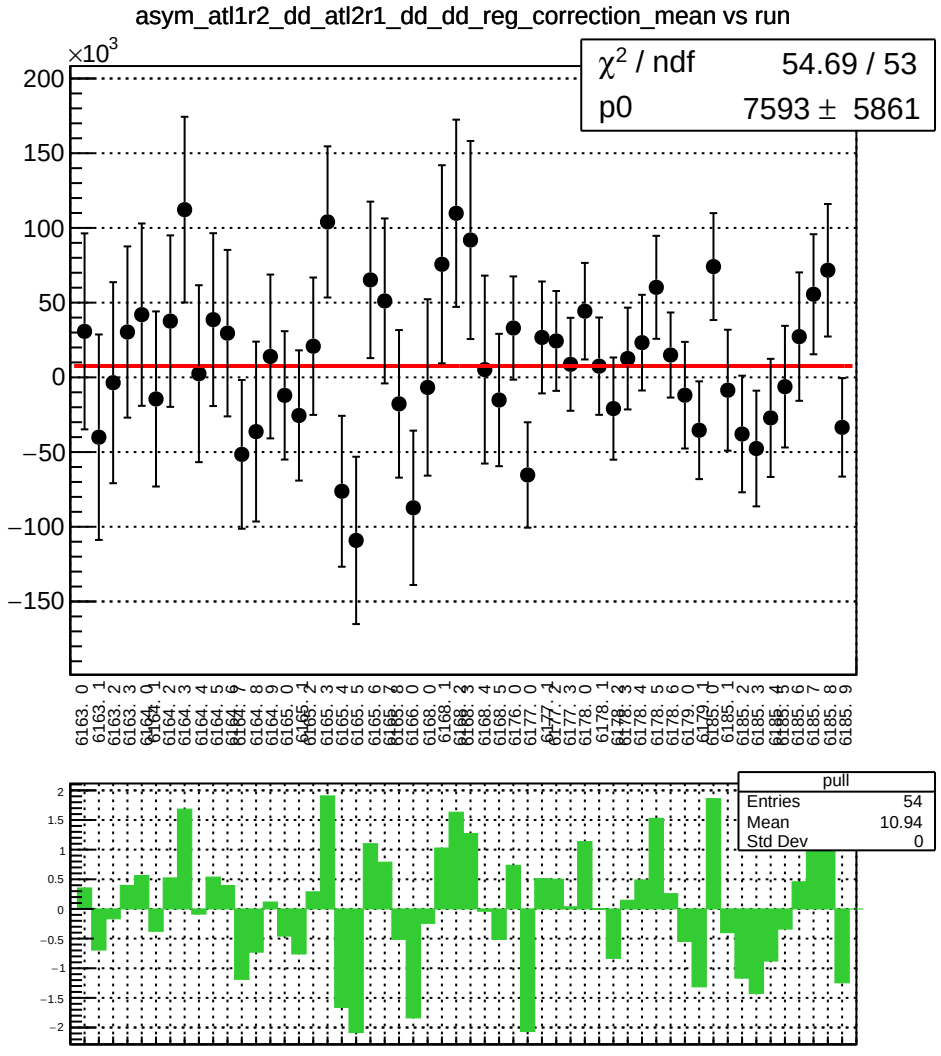

asym_at1_avg_at2_avg_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻⁹
χ² / ndf 54.53 / 53
p0 −2.53e−13 ± 3.606e−13
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
pull
Entries 54
Mean 96.03
Std Dev 0
pull1D
Entries 54
Mean −0.03903
Std Dev 1.004

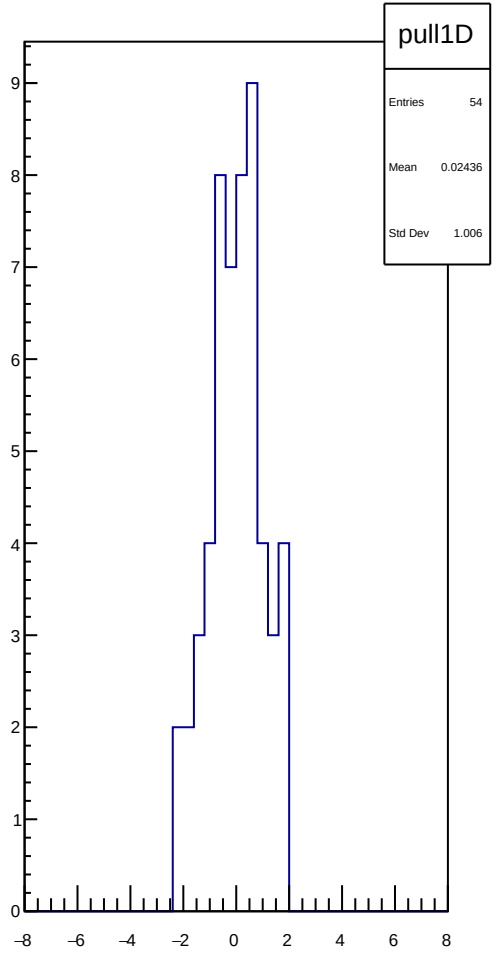

asym_at1_avg_at2_avg_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.015e+05 / 53
p0 1.859e−10 ± 2.55e−13
5
4.5
4
3.5
3
2.5
2
1.5
1
0.5
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

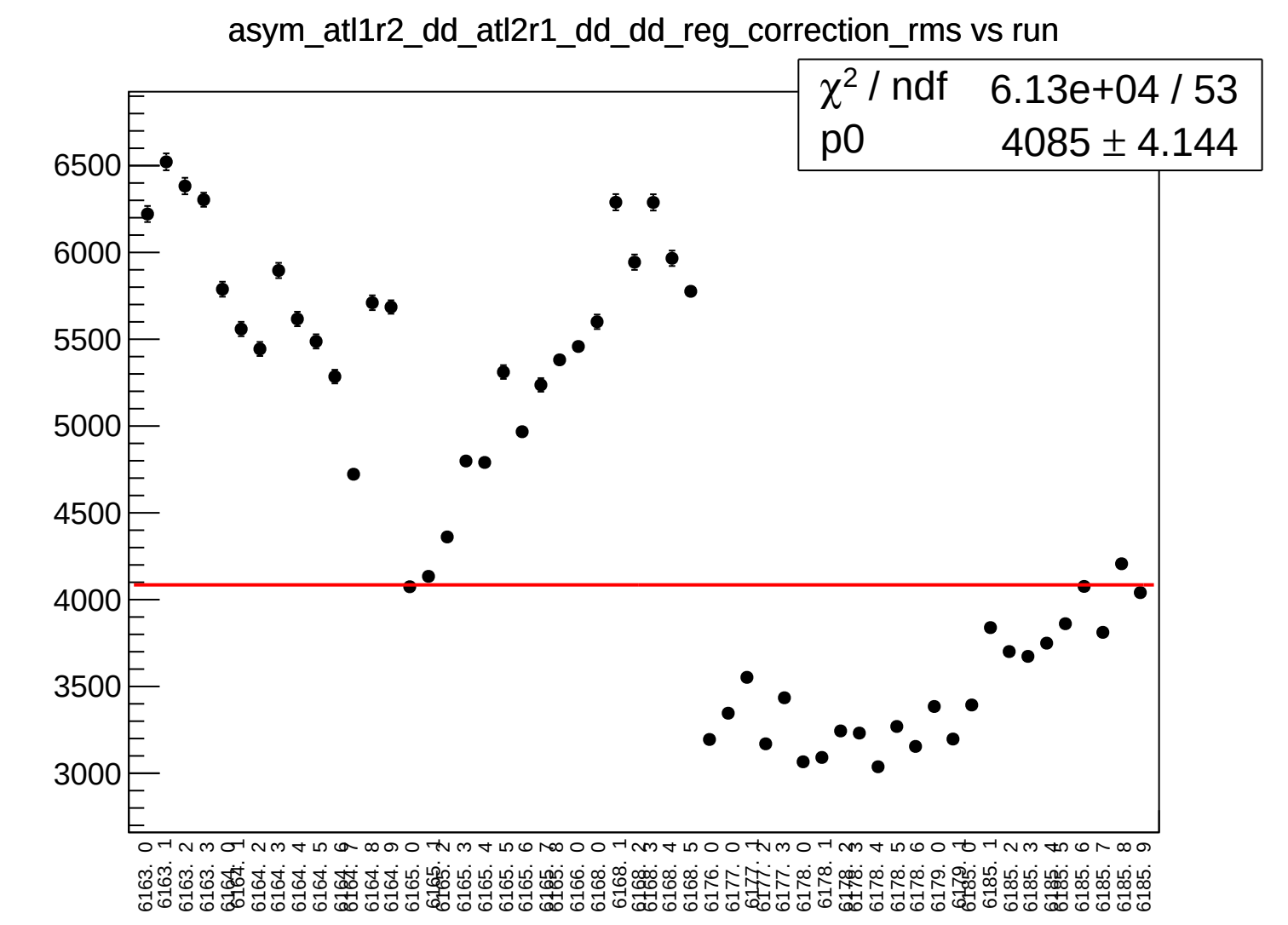

reg_asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
χ² / ndf 87.1 / 53
p0 4.233 ± 1732
pull
Entries 54
Mean −1227
Std Dev 0

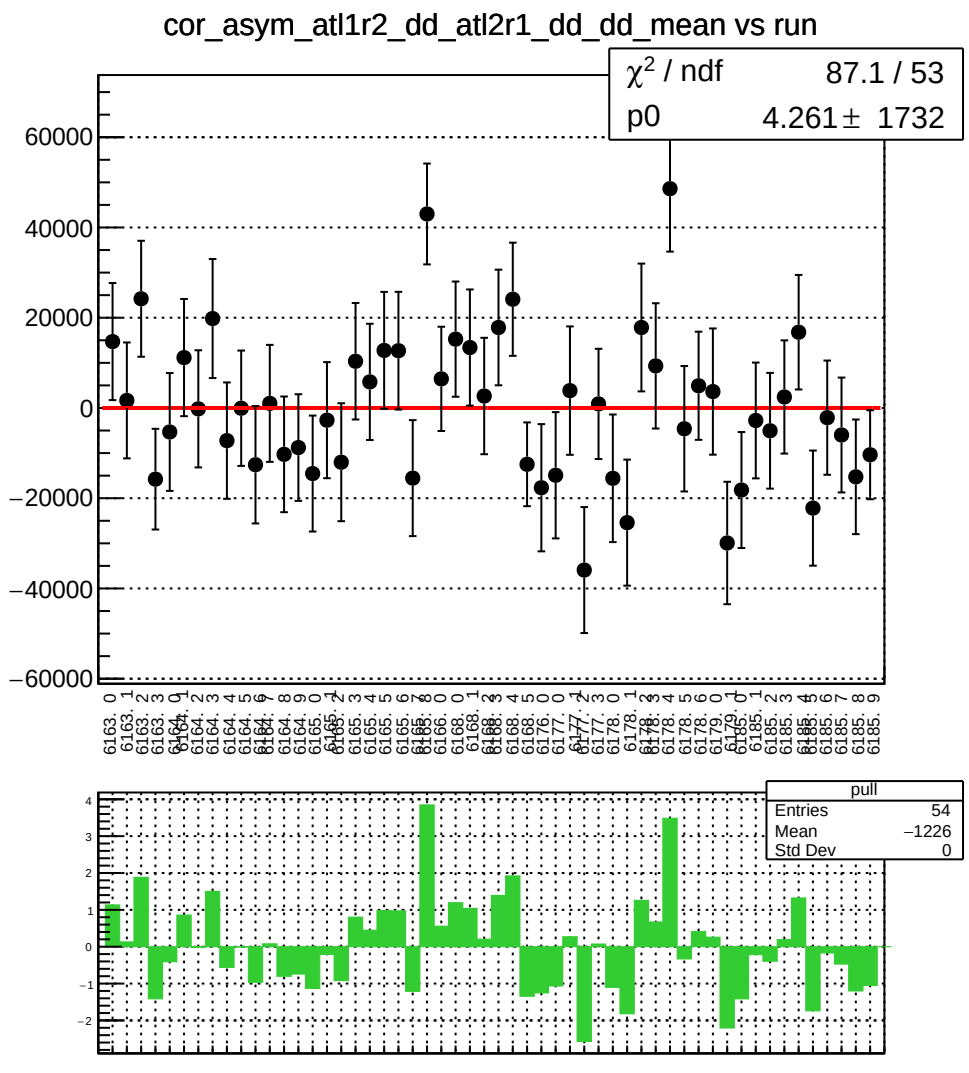

pull1D
Entries 54
Mean 0.002773
Std Dev 1.27

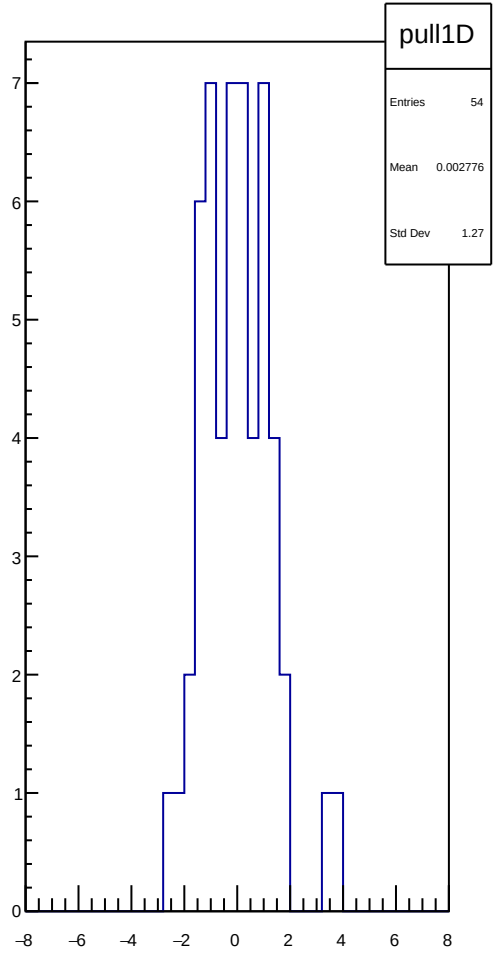

reg_asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 1501 / 53
p0 1244 ± 1.225
1360
1340
1320
1300
1280
1260
1240
1220
1200
1180
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

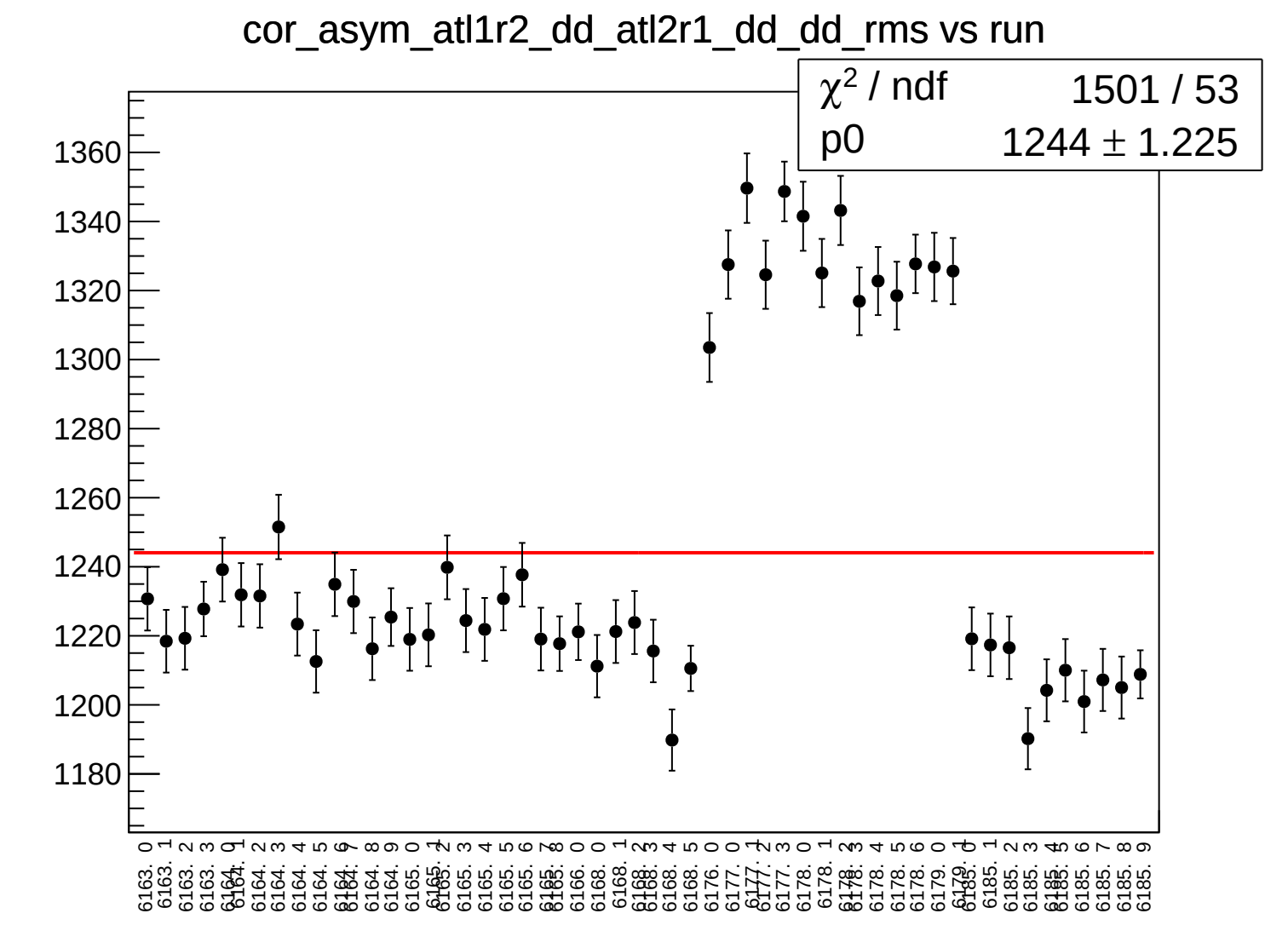

asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_mean vs run
×10^3
χ² / ndf 54.69 / 53
p0 7593 ± 5861
pull
Entries 54
Mean 10.94
Std Dev 0

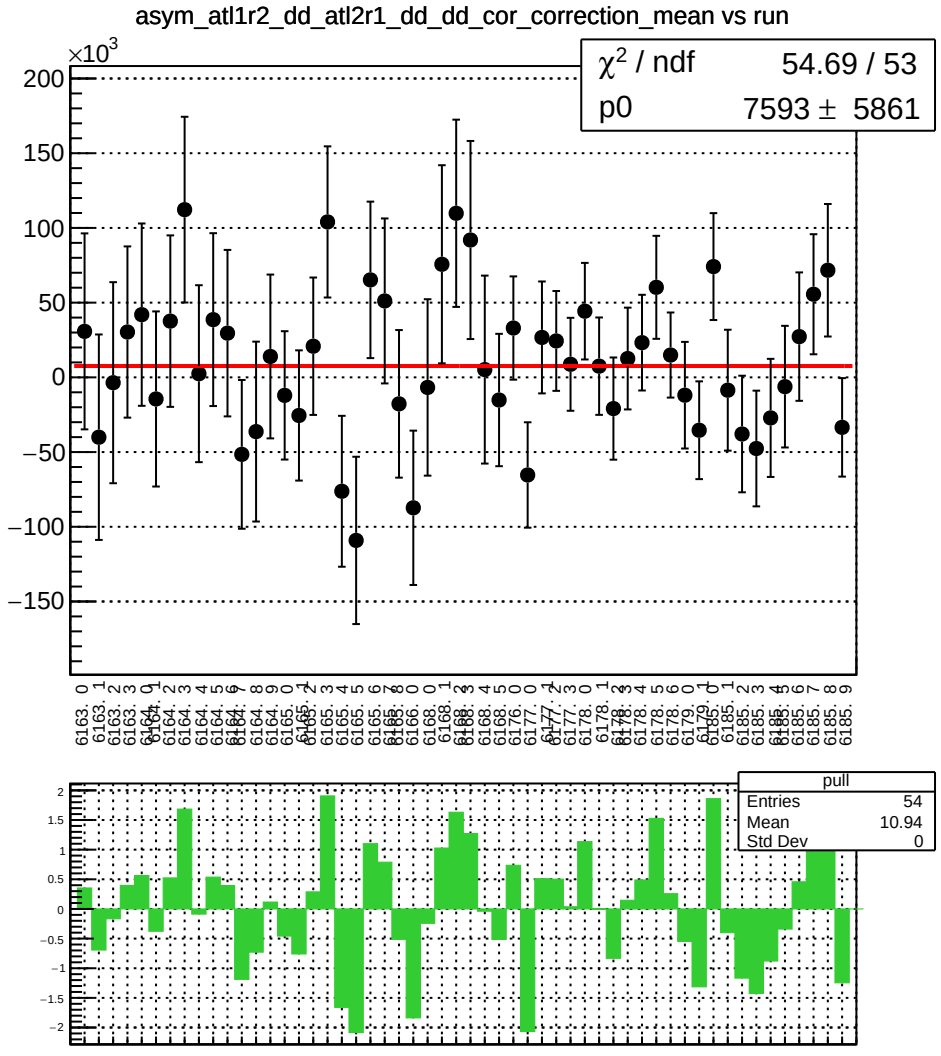

pull1D
Entries 54
Mean 0.02436
Std Dev 1.006

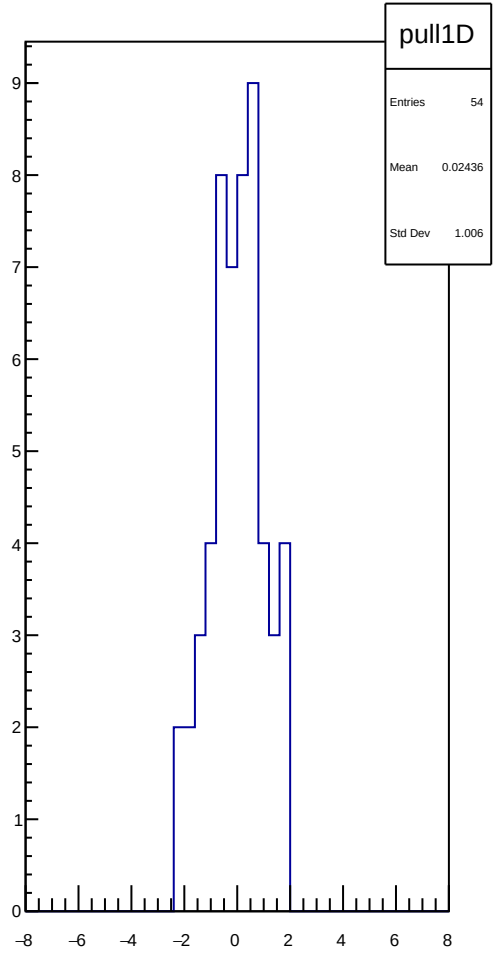

asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_rms vs run
χ² / ndf 6.13e+04 / 53
p0 4085 ± 4.144
6500
6000
5500
5000
4500
4000
3500
3000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

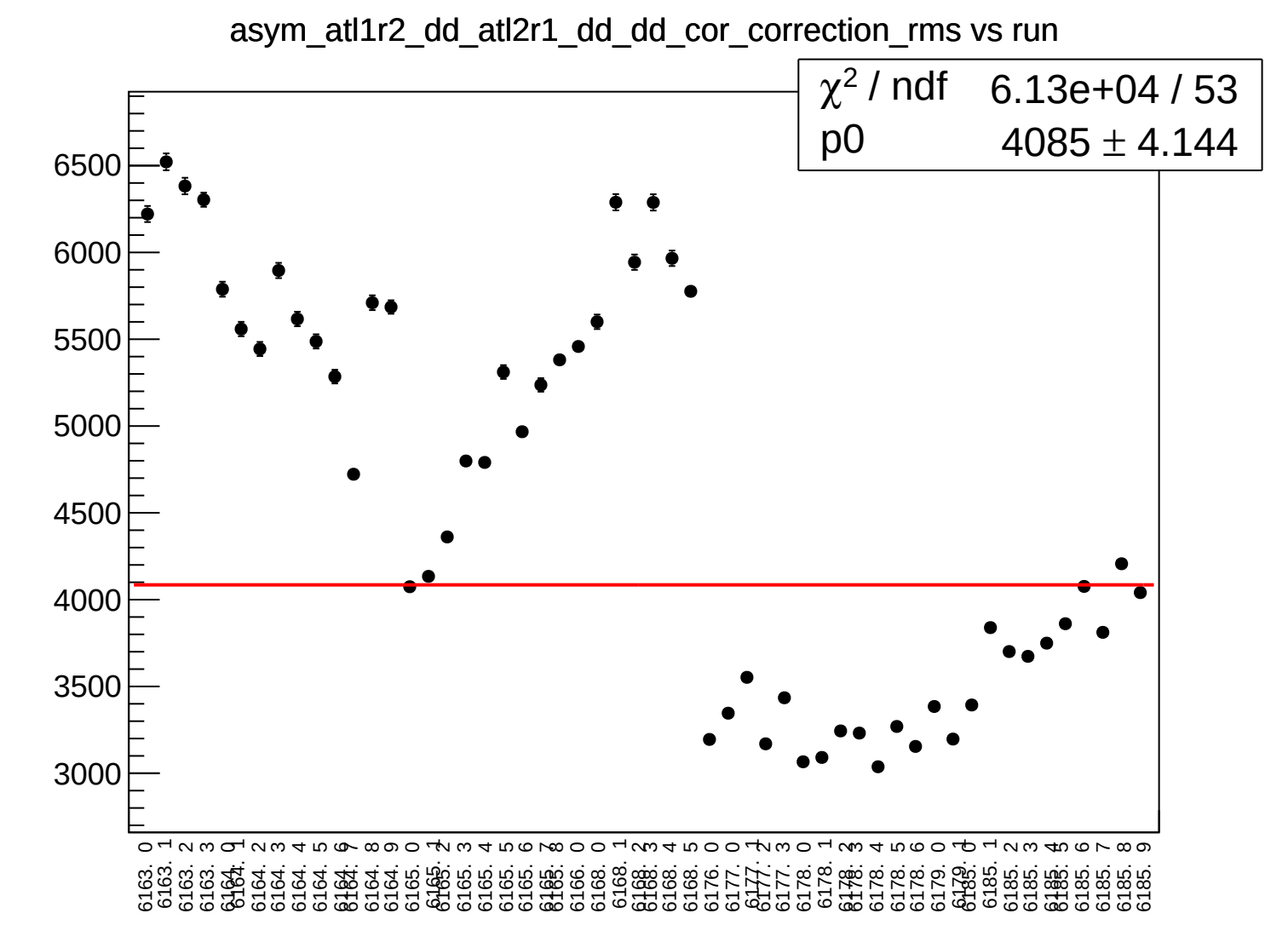

cor_asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
χ² / ndf 87.1 / 53
p0 4.261 ± 1732
pull
Entries 54
Mean −1226
Std Dev 0

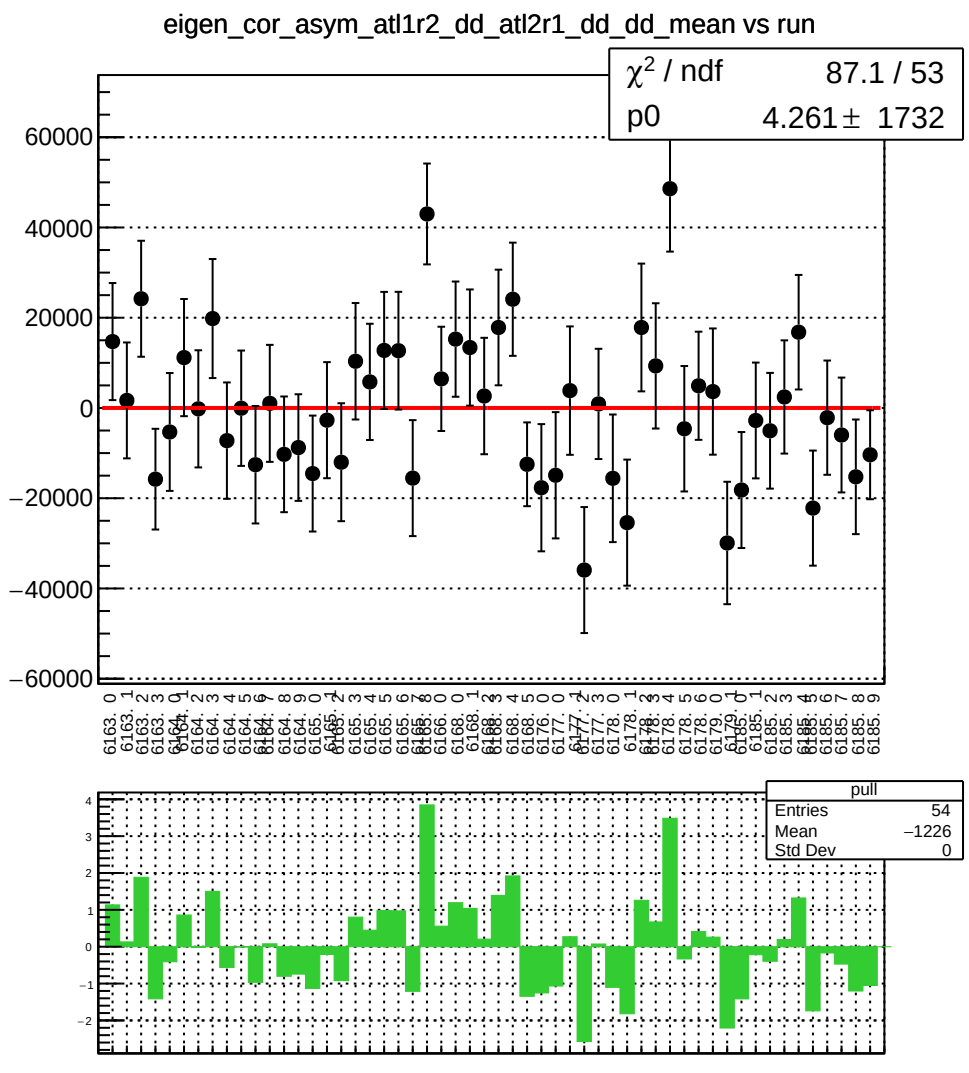

pull1D
Entries 54
Mean 0.002776
Std Dev 1.27

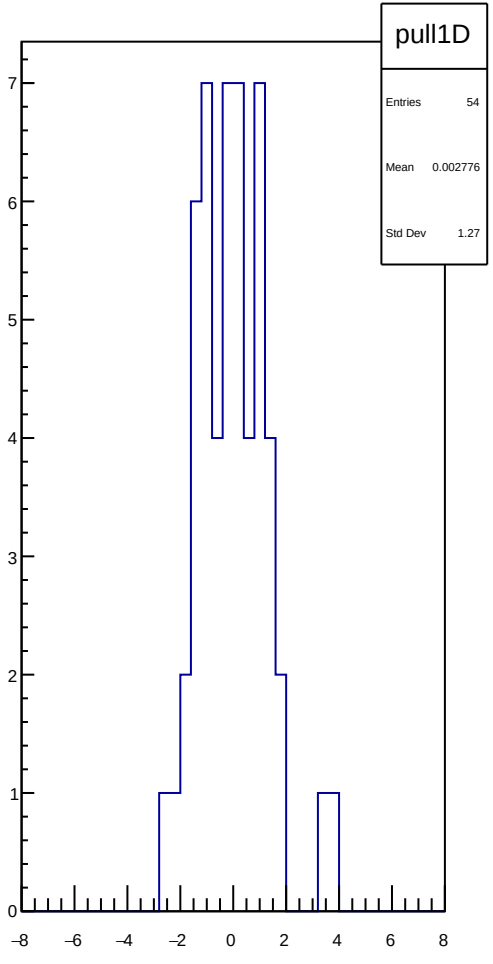

cor_asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 1501 / 53
p0 1244 ± 1.225
1360
1340
1320
1300
1280
1260
1240
1220
1200
1180
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

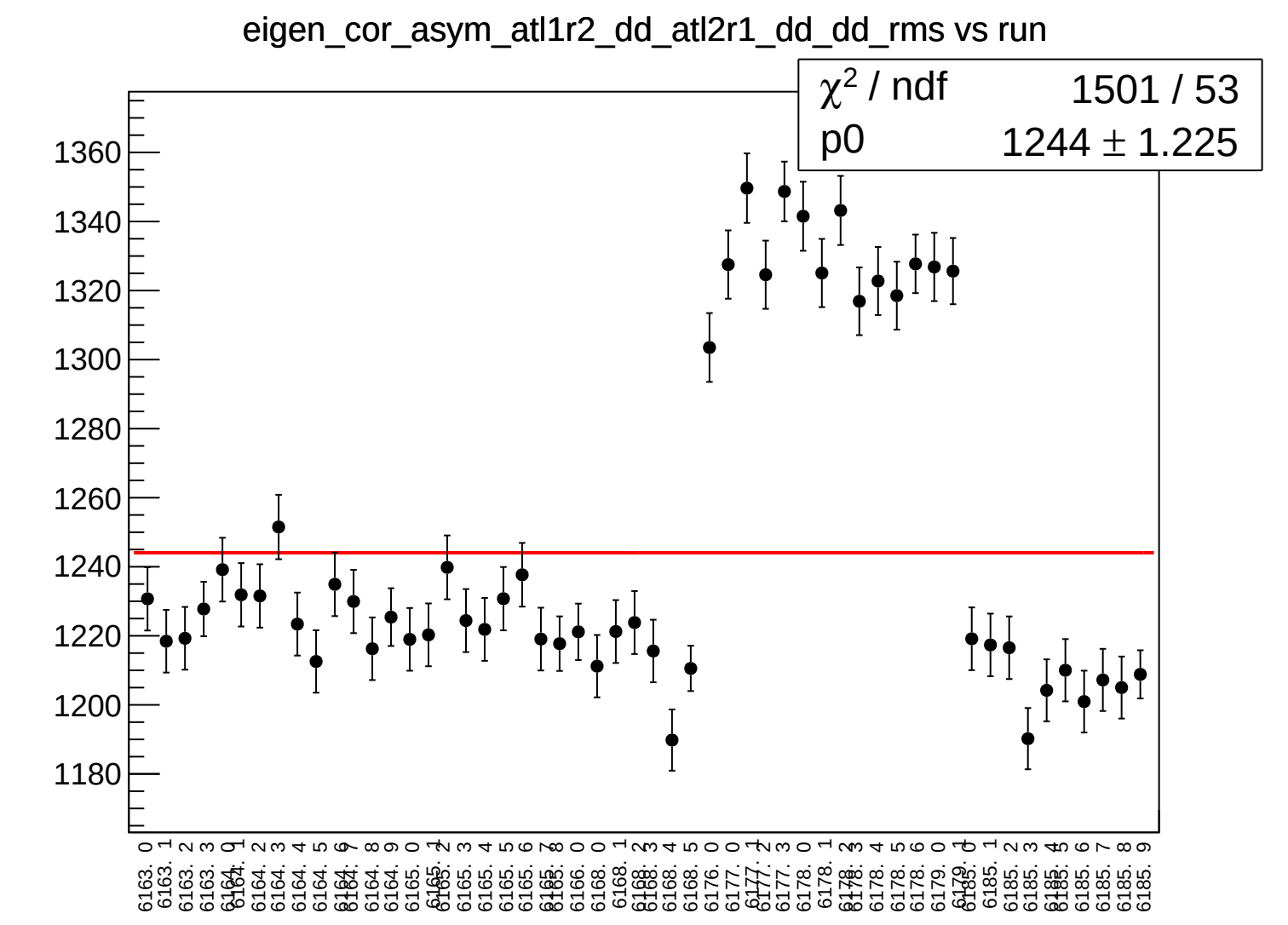

asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_mean vs run
×10^3
χ² / ndf 54.69 / 53
p0 7593 ± 5861
pull
Entries 54
Mean 10.94
Std Dev 0

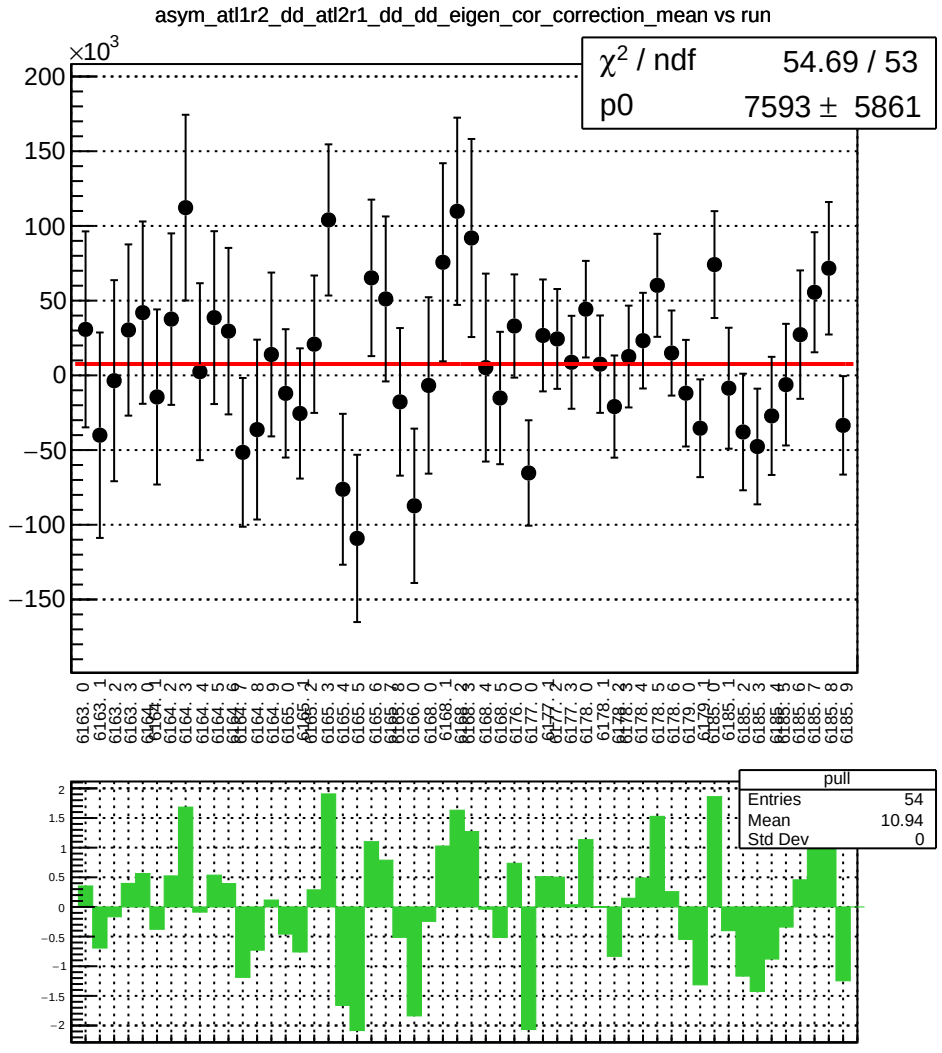

pull1D
Entries 54
Mean 0.02436
Std Dev 1.006

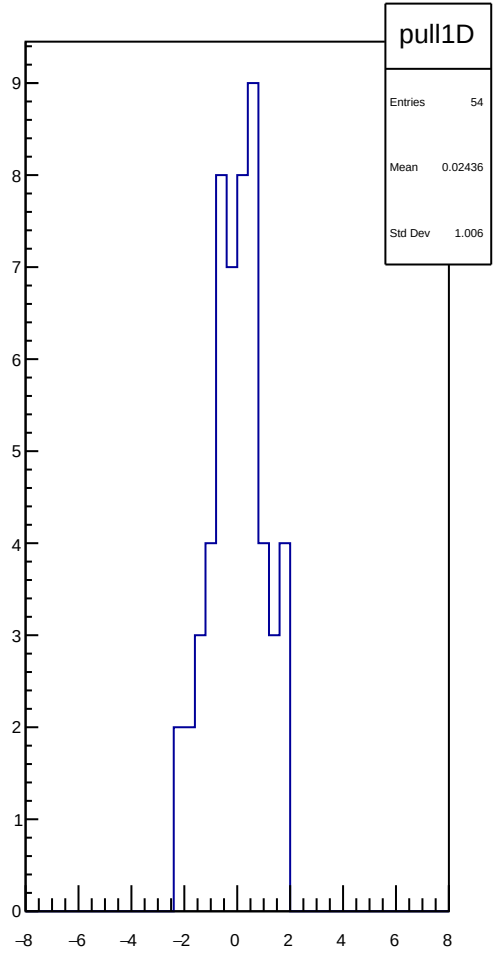

asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_rms vs run
χ² / ndf 6.13e+04 / 53
p0 4085 ± 4.144
6500
6000
5500
5000
4500
4000
3500
3000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

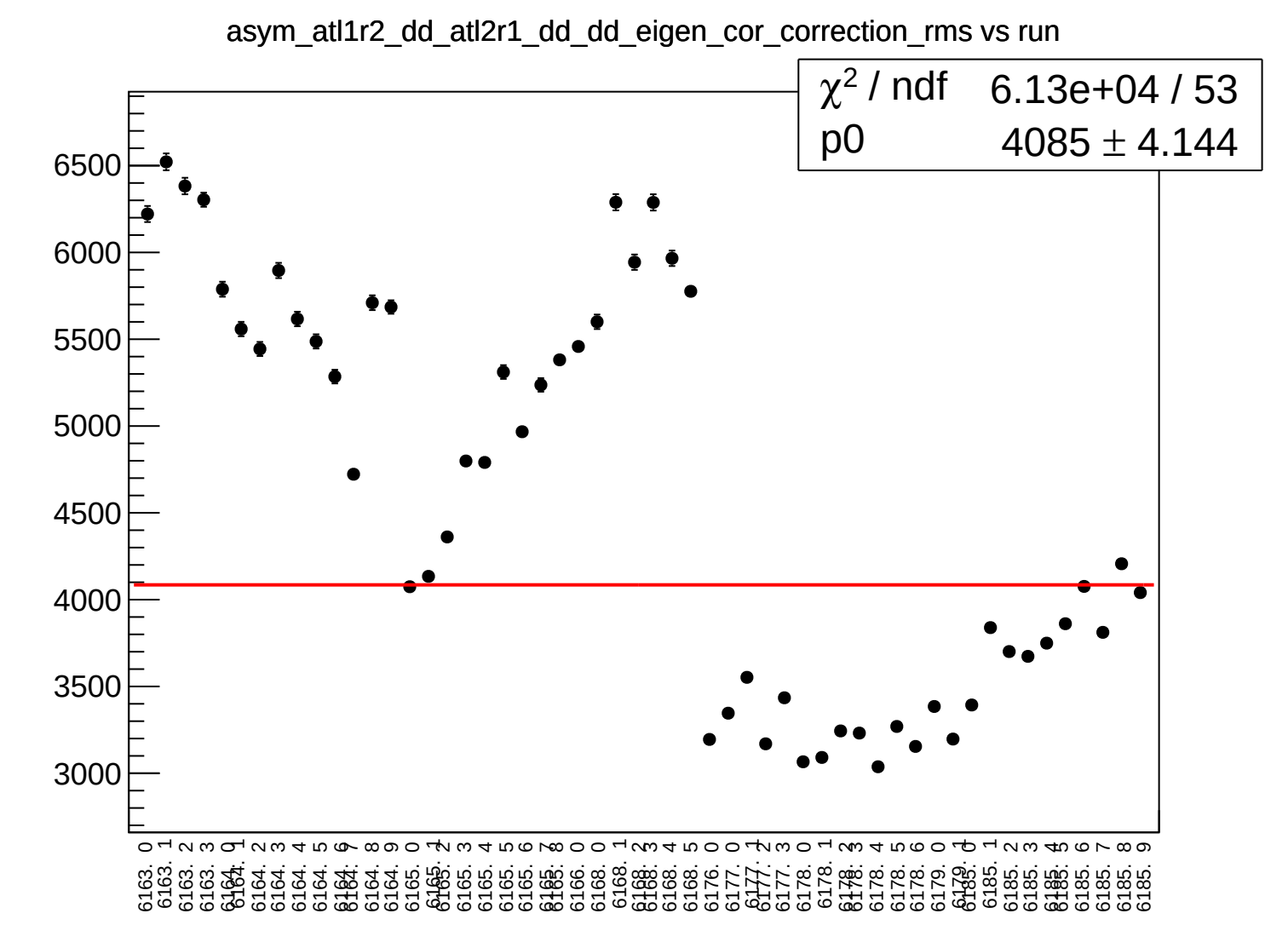

eigen_cor_asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
χ² / ndf 87.1 / 53
p0 4.261± 1732
pull
Entries 54
Mean −1226
Std Dev 0

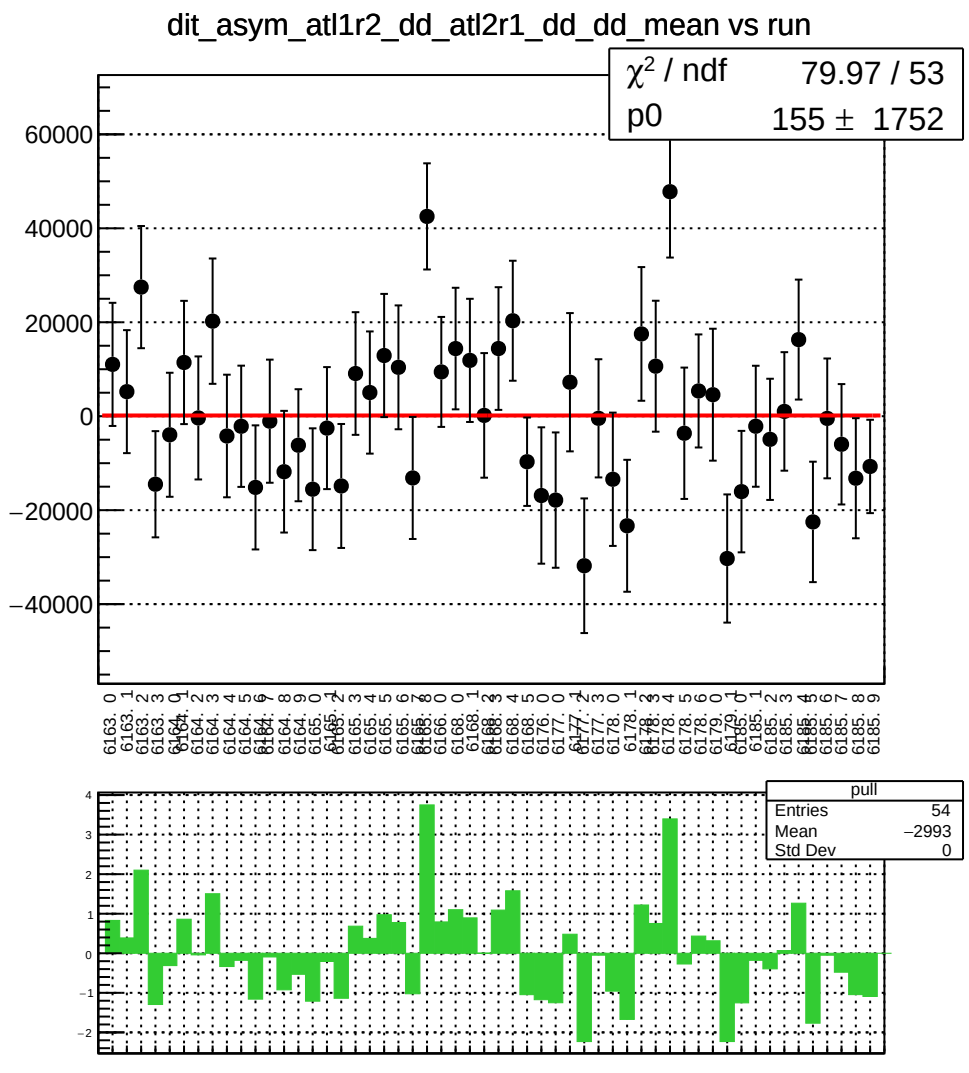

pull1D
Entries 54
Mean 0.002776
Std Dev 1.27

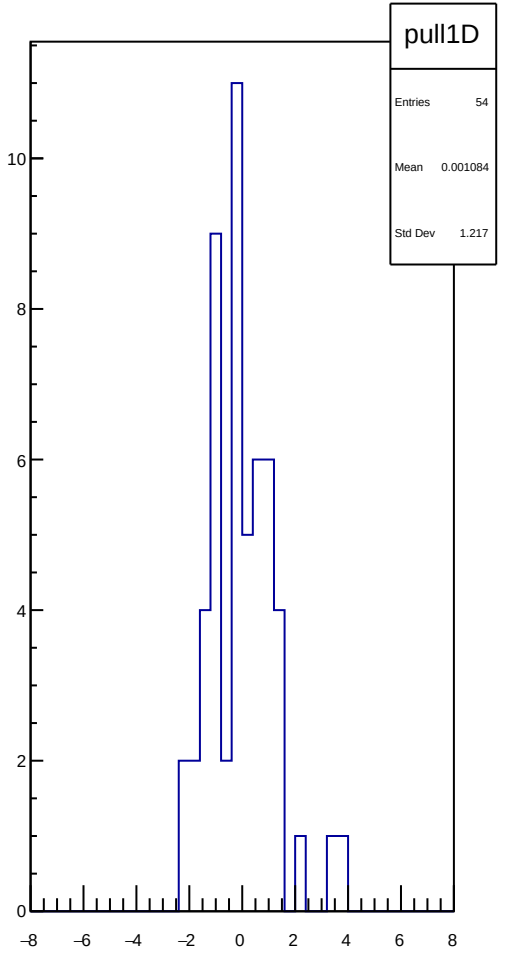

eigen_cor_asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 1501 / 53
p0 1244 ± 1.225
1360
1340
1320
1300
1280
1260
1240
1220
1200
1180
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 2
6165. 3
6165. 4
6165. 5
6165. 6
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

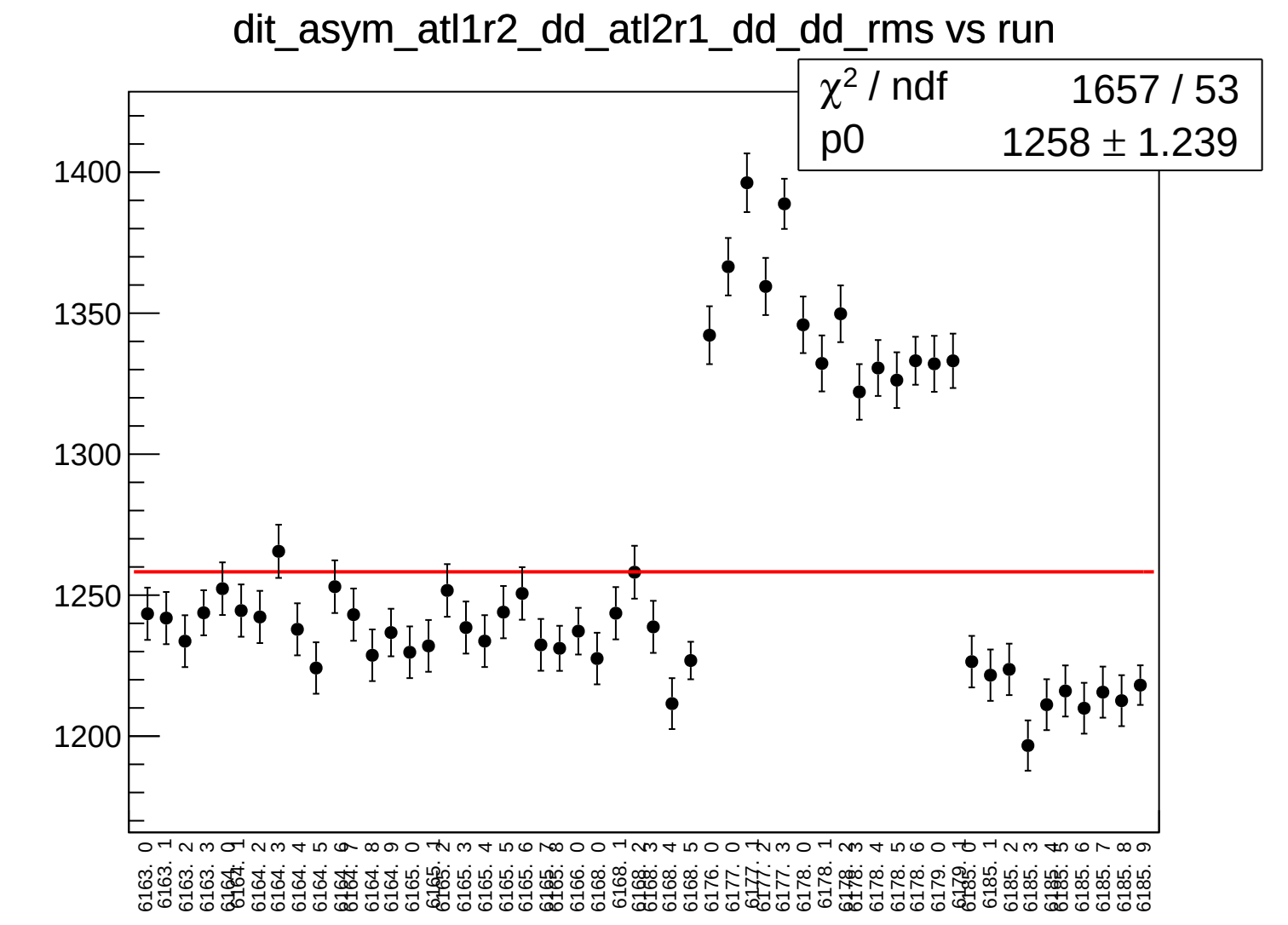

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 54.69 / 53
p0 7593 ± 5861
pull
Entries 54
Mean 10.94
Std Dev 0

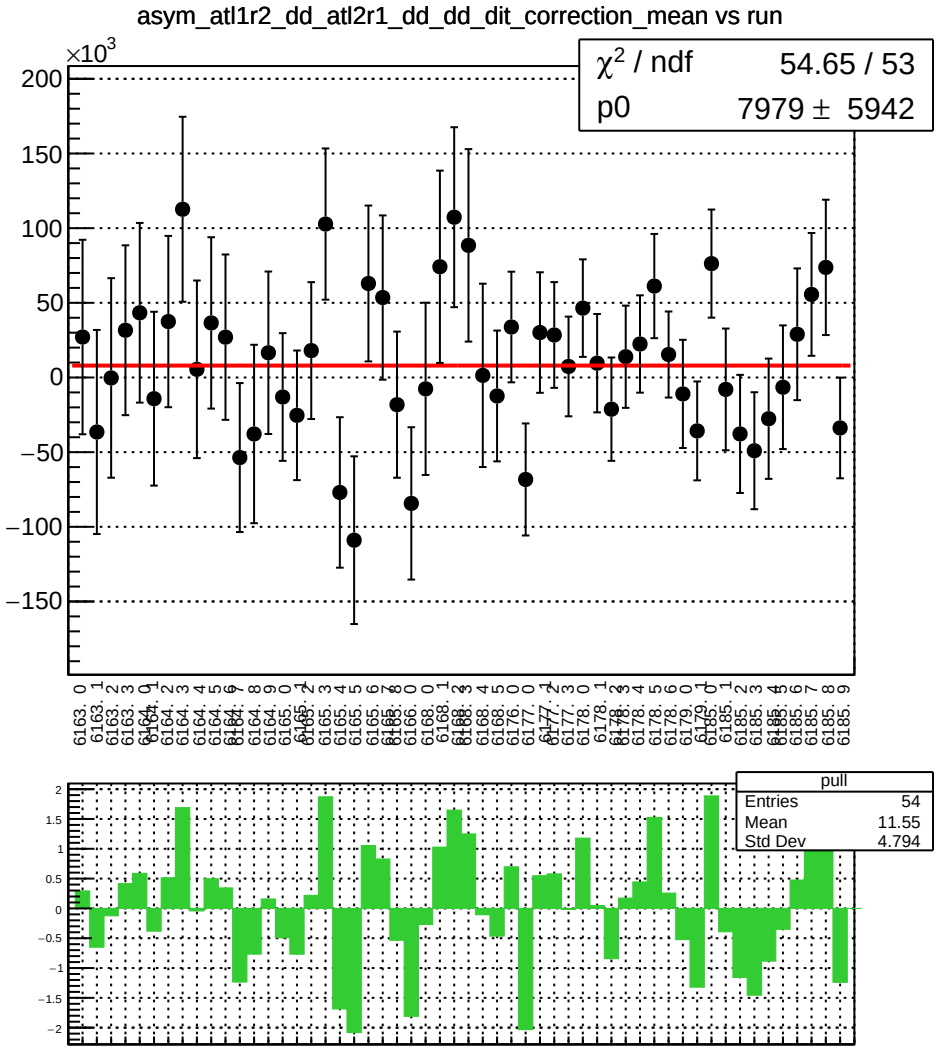

pull1D
Entries 54
Mean 0.02436
Std Dev 1.006

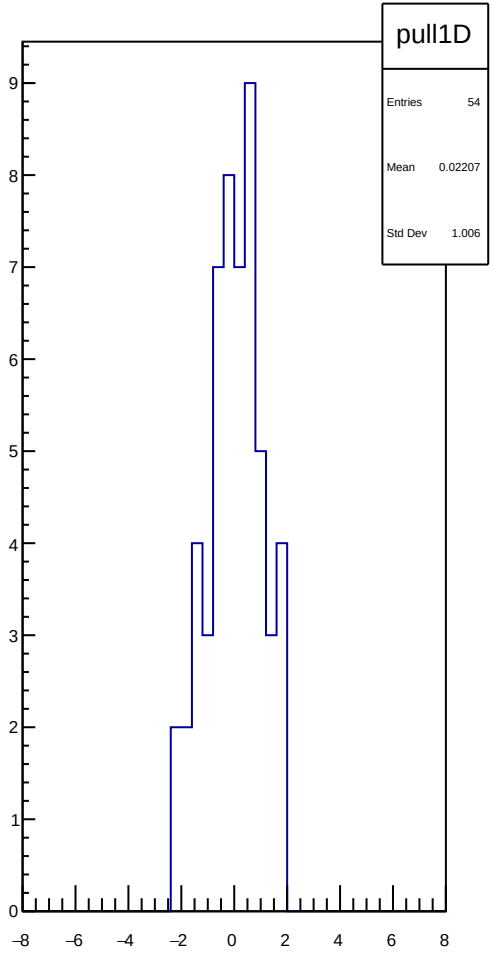

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_rms vs run
χ² / ndf 6.13e+04 / 53
p0 4085 ± 4.144
6500
6000
5500
5000
4500
4000
3500
3000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

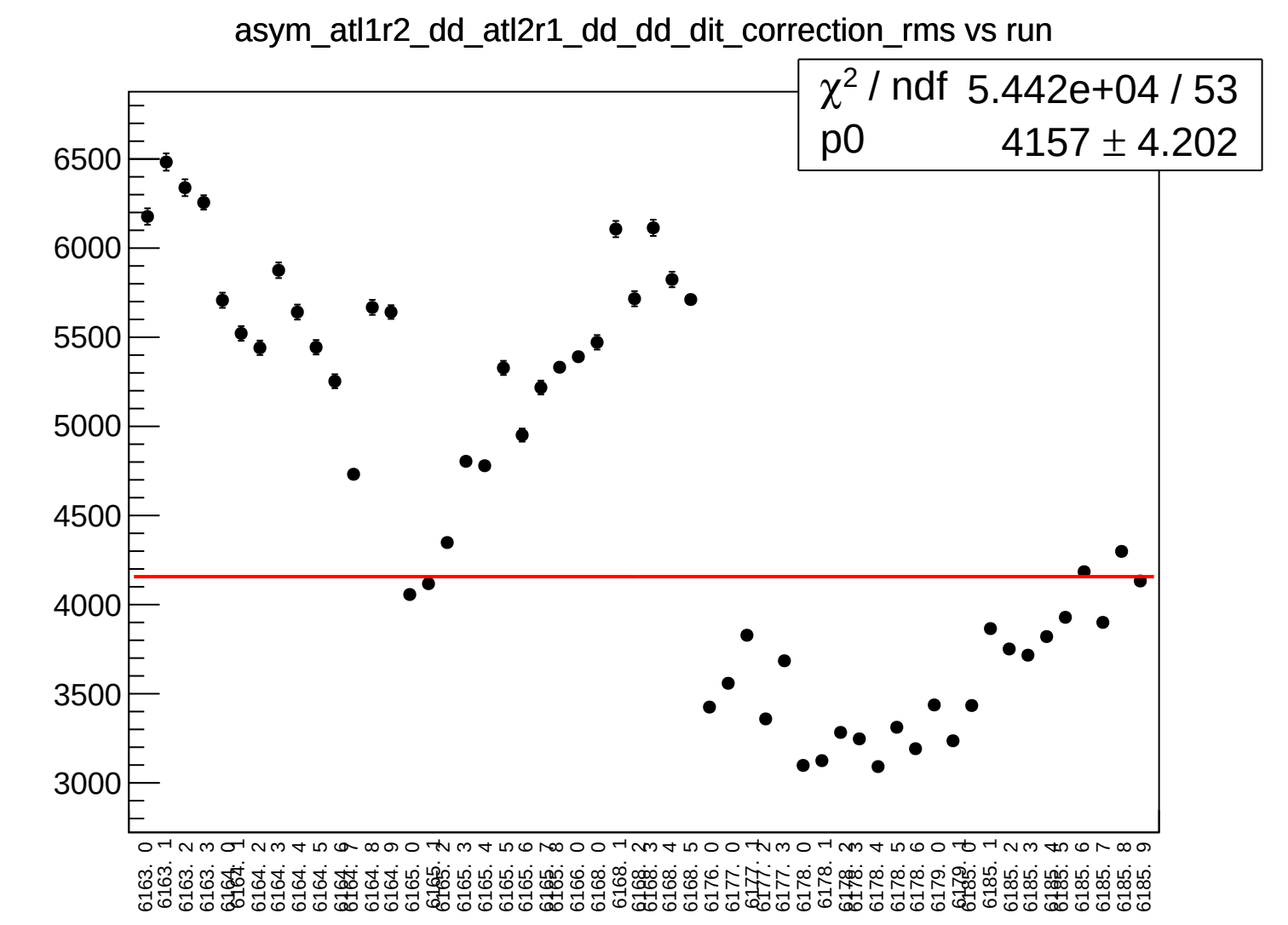

dit_asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
χ² / ndf 79.97 / 53
p0 155 ± 1752
60000
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −2993
Std Dev 0
4
3
2
1
0
−1
−2

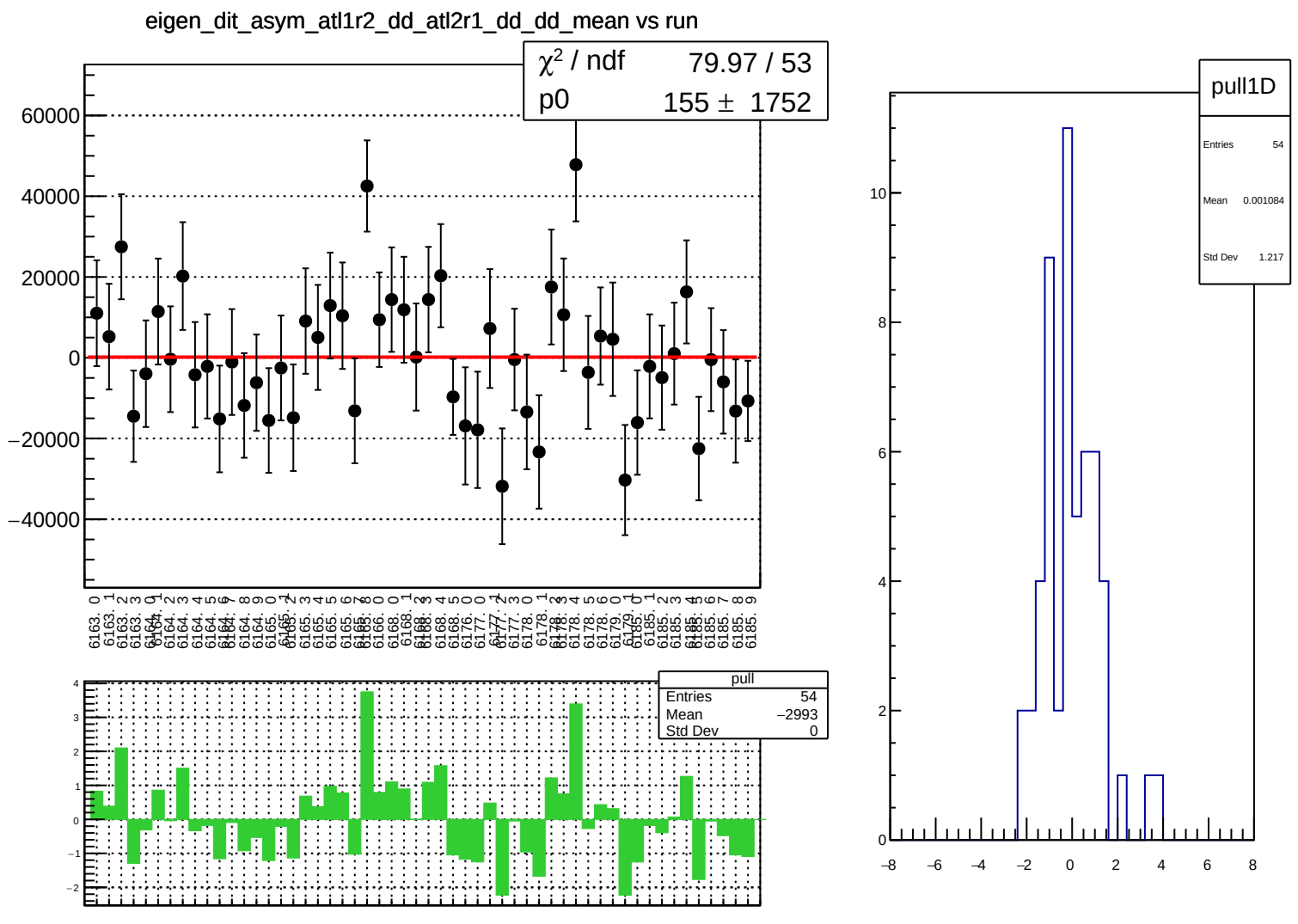

pull1D
Entries 54
Mean 0.001084
Std Dev 1.217
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

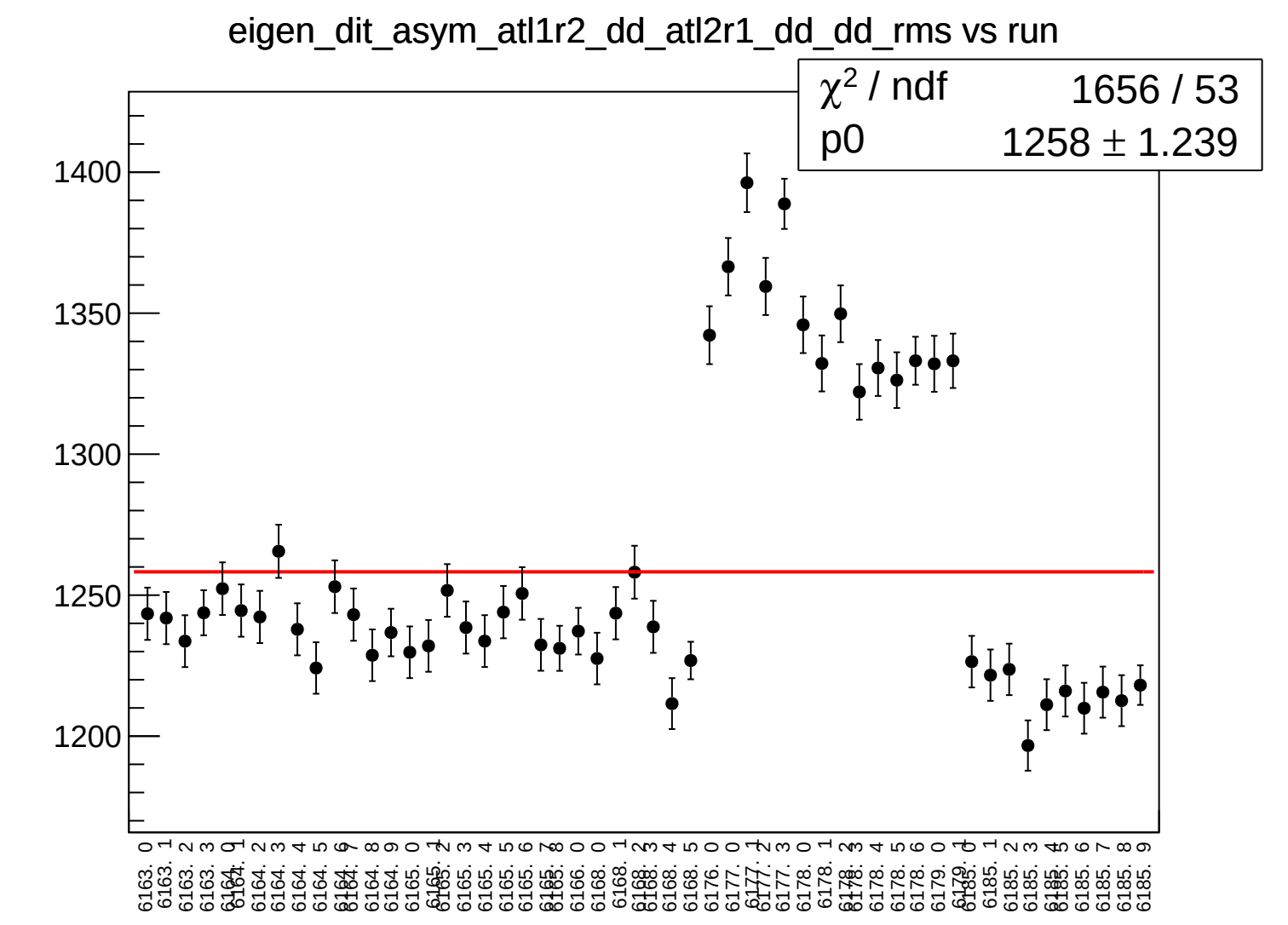

dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 1657 / 53
p0 1258 ± 1.239
1400
1350
1300
1250
1200
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

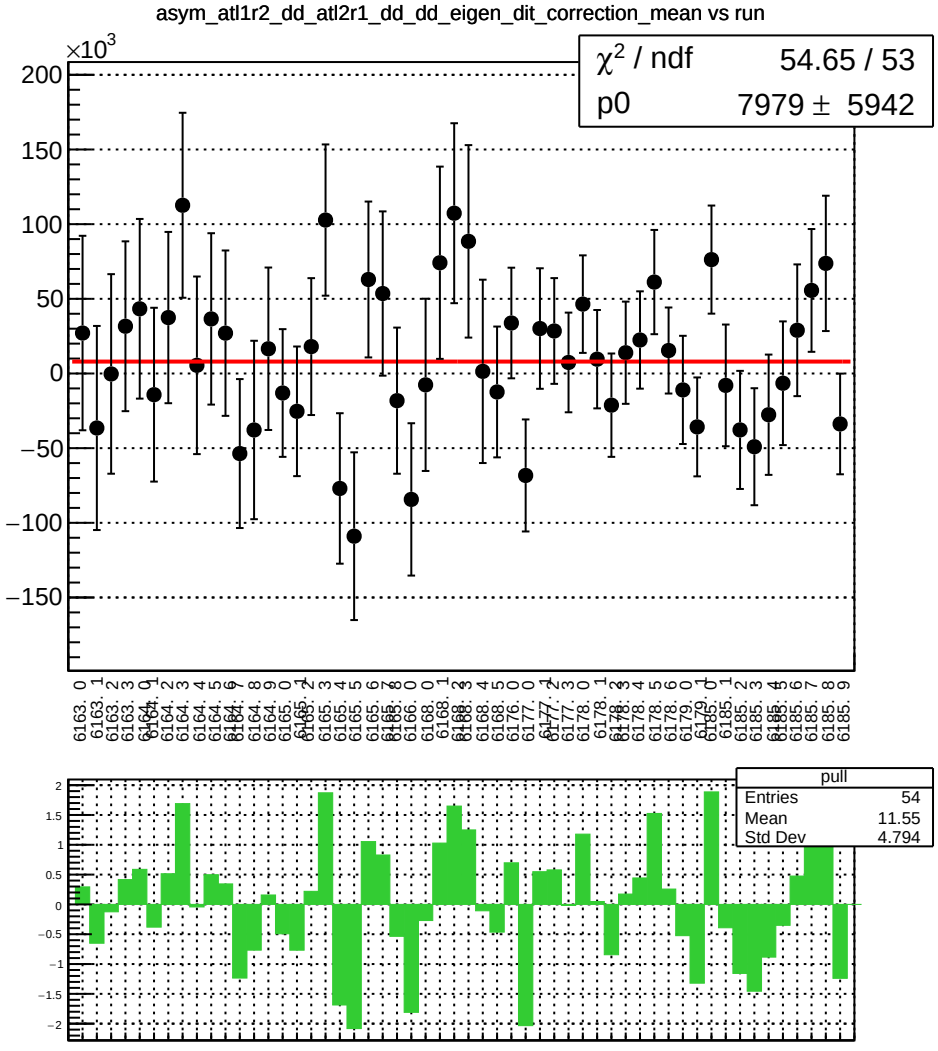

asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_mean vs run
×10^3
χ² / ndf 54.65 / 53
p0 7979 ± 5942
pull
Entries 54
Mean 11.55
Std Dev 4.794

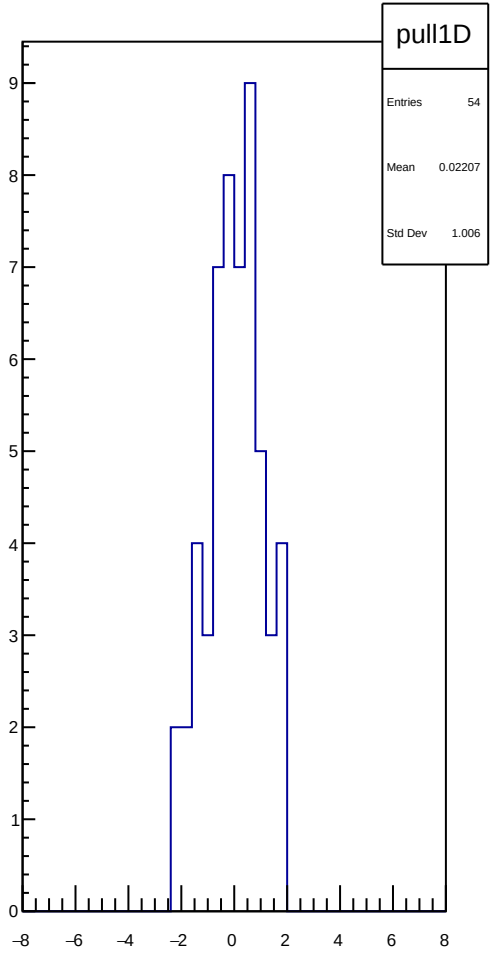

pull1D
Entries 54
Mean 0.02207
Std Dev 1.006

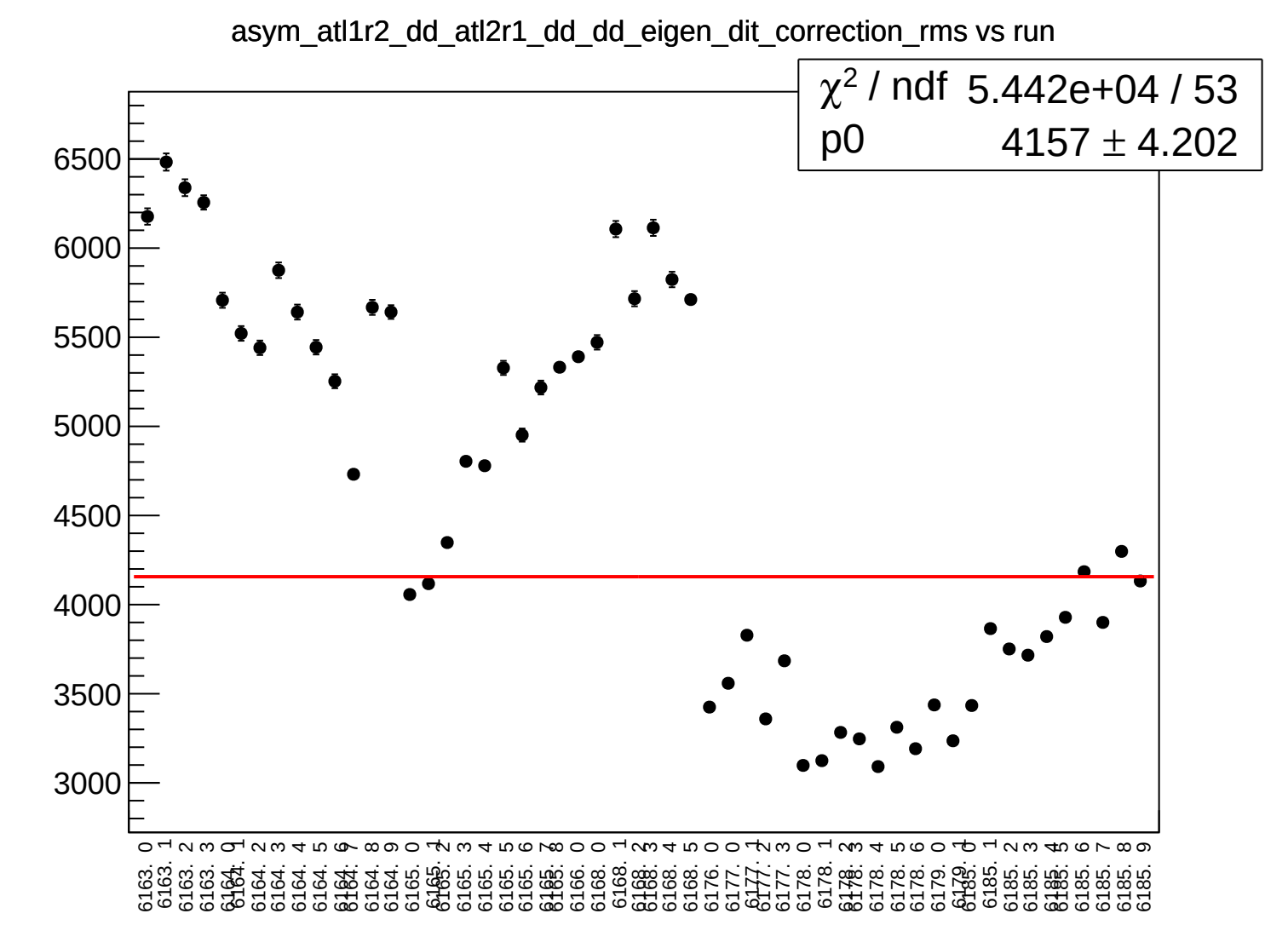

asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_rms vs run
χ² / ndf 5.442e+04 / 53
p0 4157 ± 4.202
6500
6000
5500
5000
4500
4000
3500
3000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

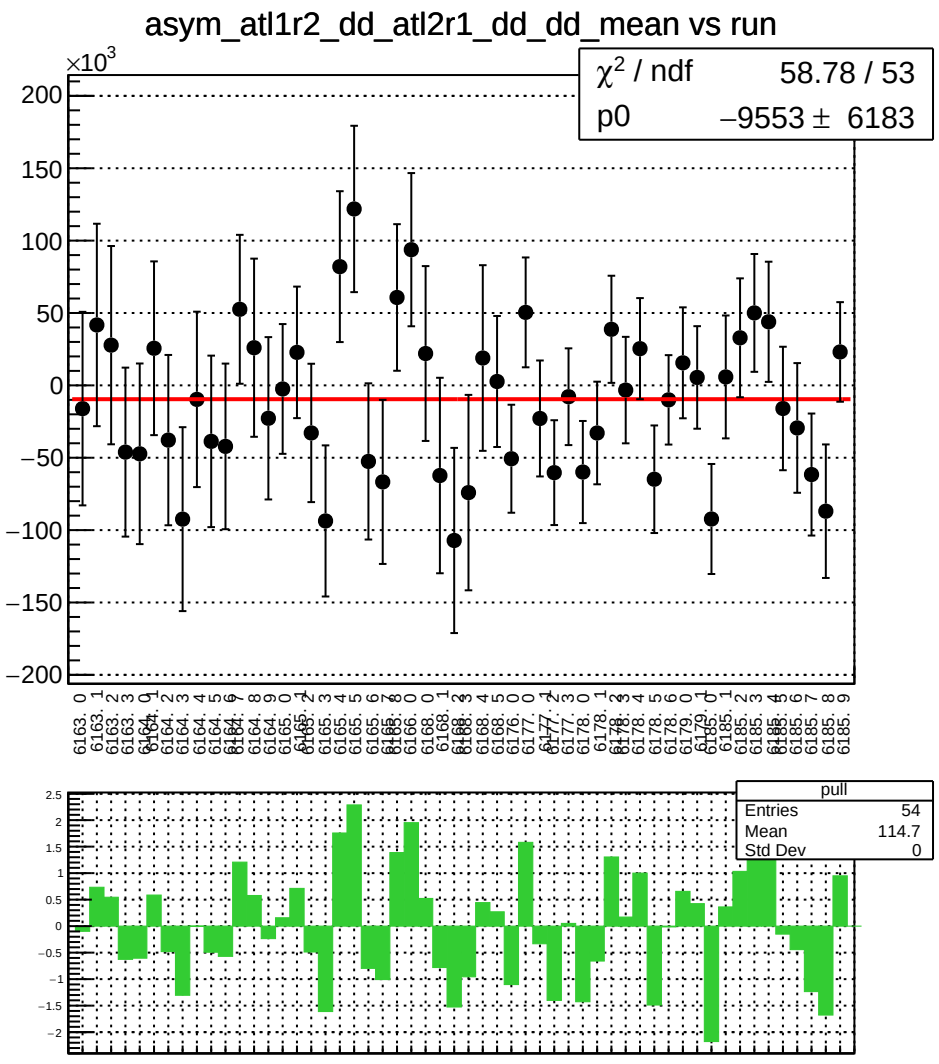

eigen_dit_asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
χ² / ndf 79.97 / 53
p0 155 ± 1752
60000
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −2993
Std Dev 0
pull1D
Entries 54
Mean 0.001084
Std Dev 1.217

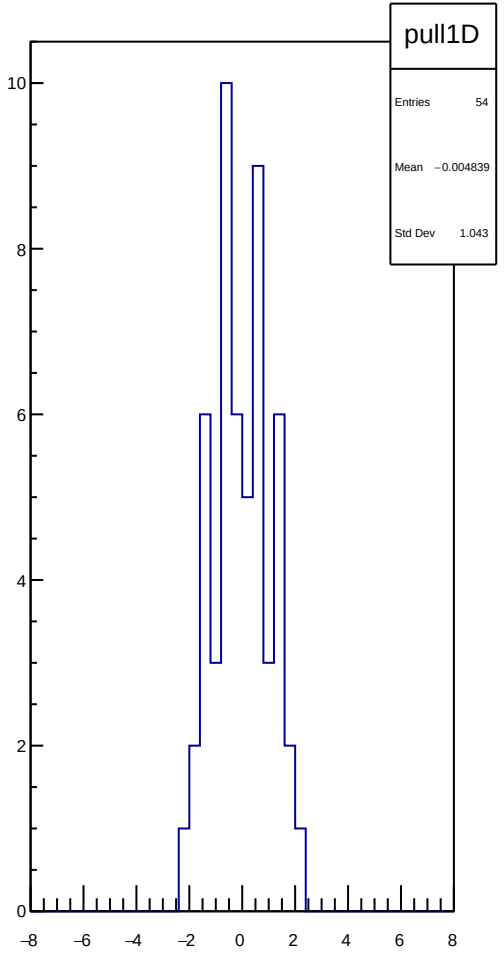

eigen_dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 1656 / 53
p0 1258 ± 1.239
1400
1350
1300
1250
1200
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

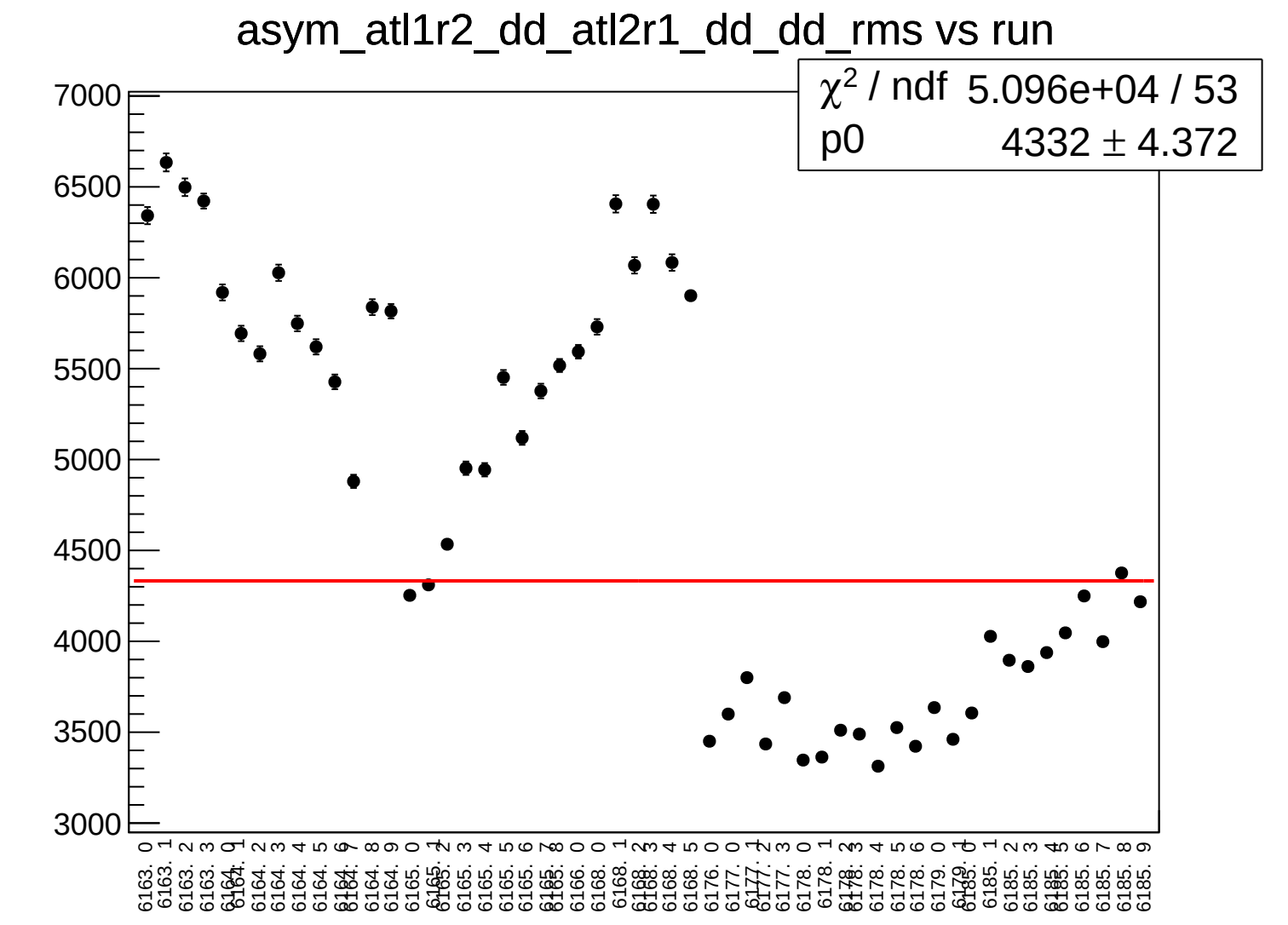

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 54.65 / 53
p0 7979 ± 5942
pull
Entries 54
Mean 11.55
Std Dev 4.794

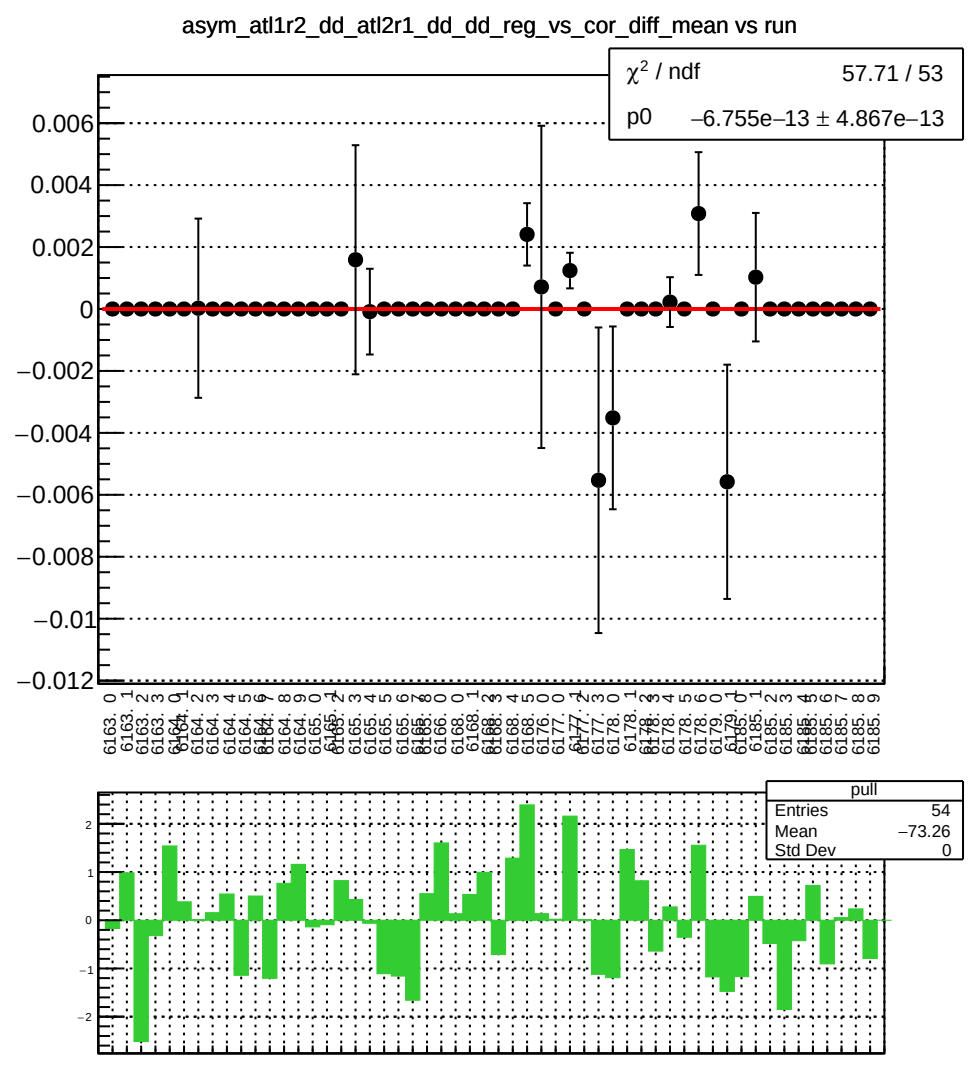

pull1D
Entries 54
Mean 0.02207
Std Dev 1.006

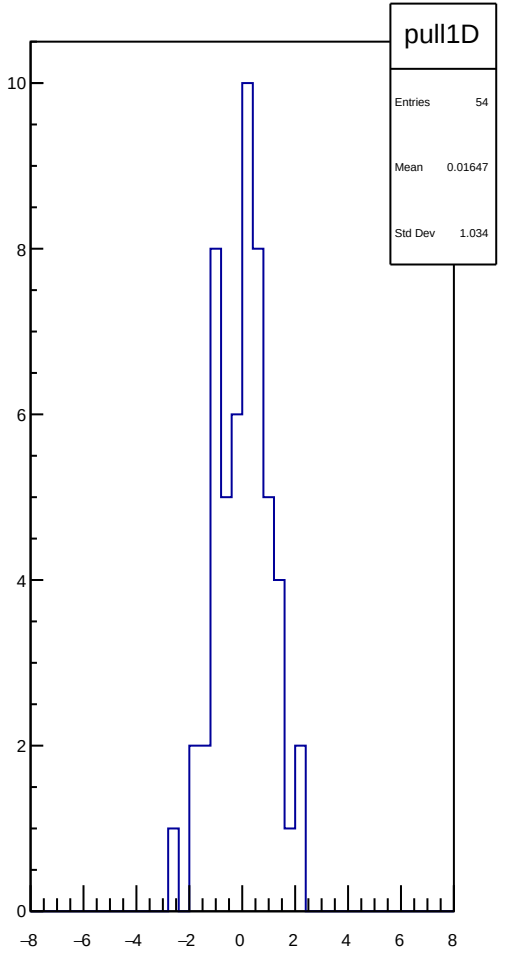

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_rms vs run
χ² / ndf 5.442e+04 / 53
p0 4157 ± 4.202
6500
6000
5500
5000
4500
4000
3500
3000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

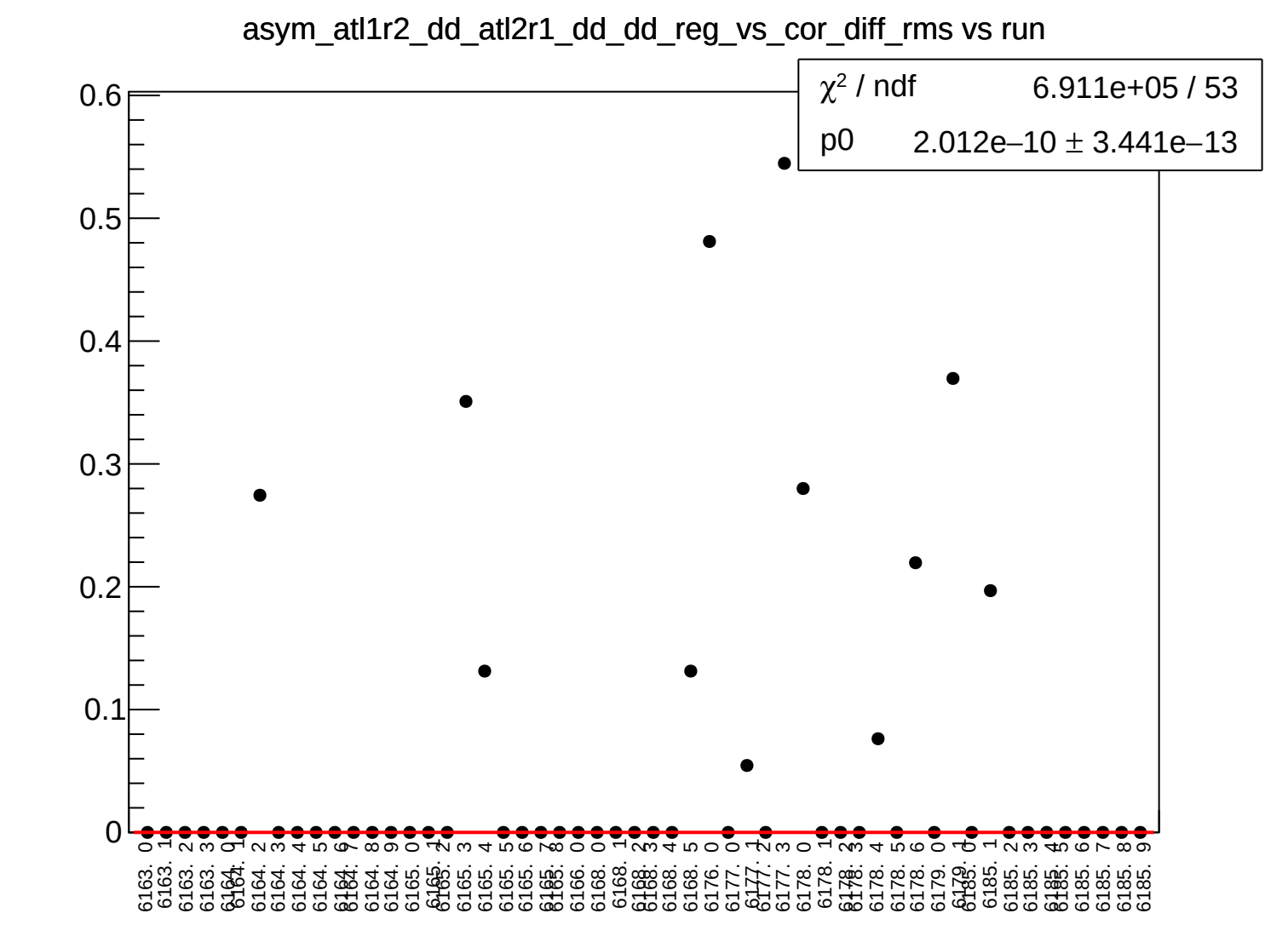

asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
×10^3
χ² / ndf 58.78 / 53
p0 −9553 ± 6183
pull
Entries 54
Mean 114.7
Std Dev 0

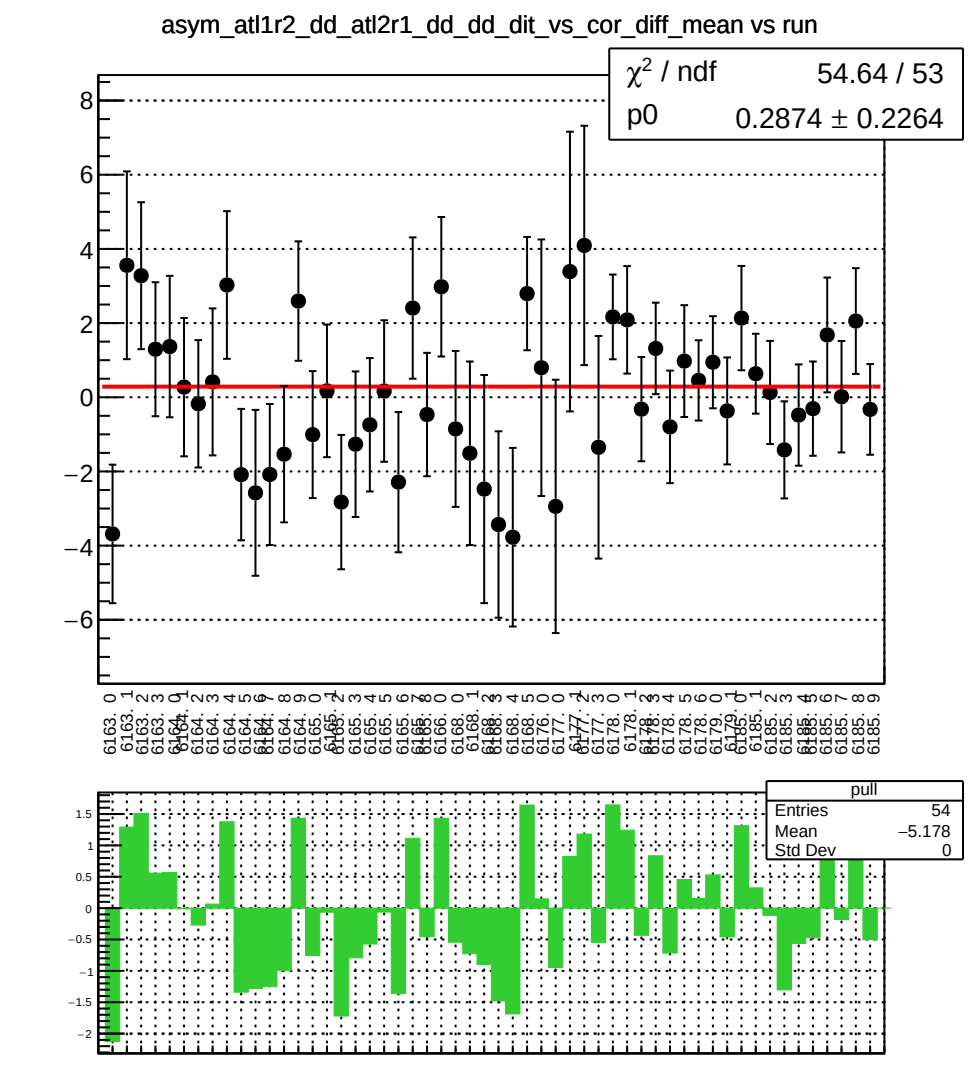

pull1D
Entries 54
Mean −0.004839
Std Dev 1.043

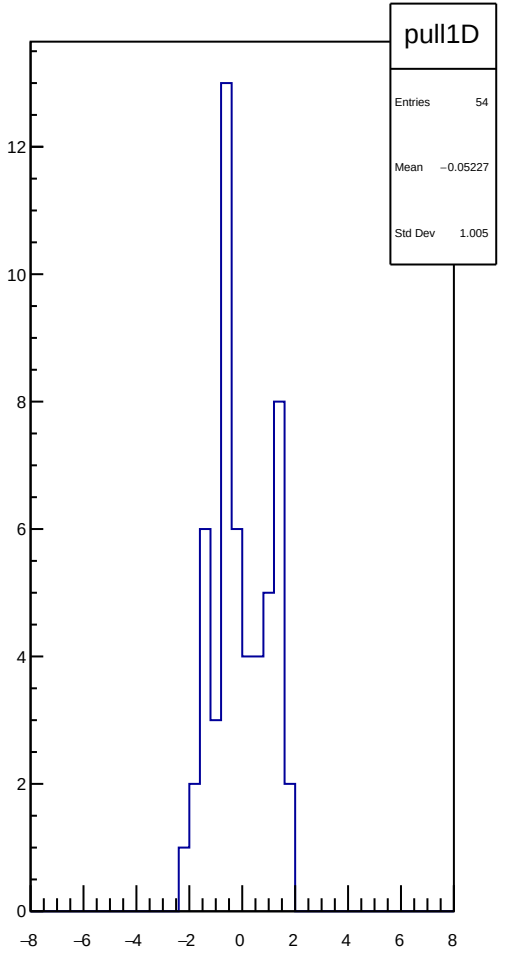

asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 5.096e+04 / 53
p0 4332 ± 4.372
7000
6500
6000
5500
5000
4500
4000
3500
3000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

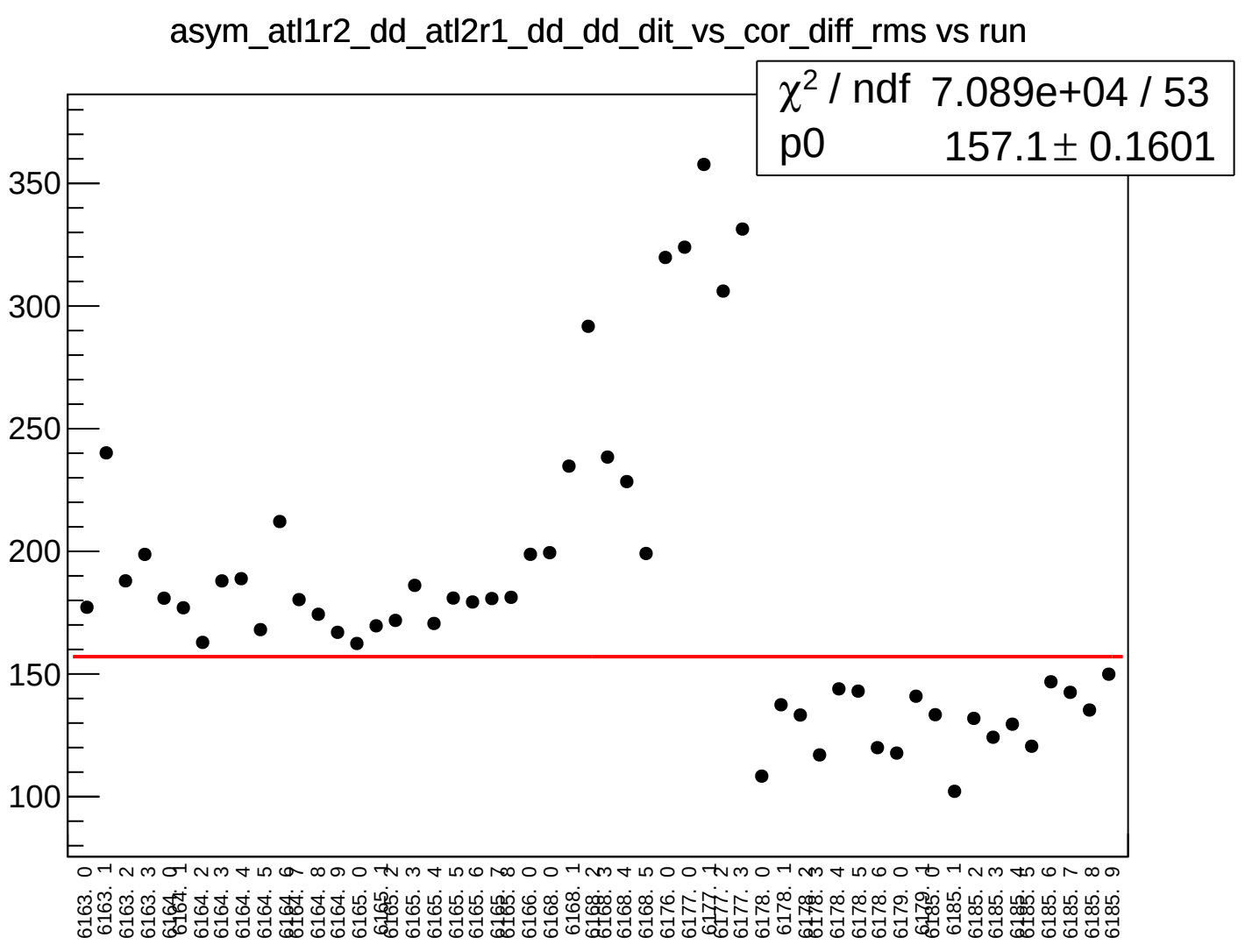

asym_atl1r2_dd_atl2r1_dd_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 57.71 / 53
p0 −6.755e−13 ± 4.867e−13
pull
Entries 54
Mean −73.26
Std Dev 0

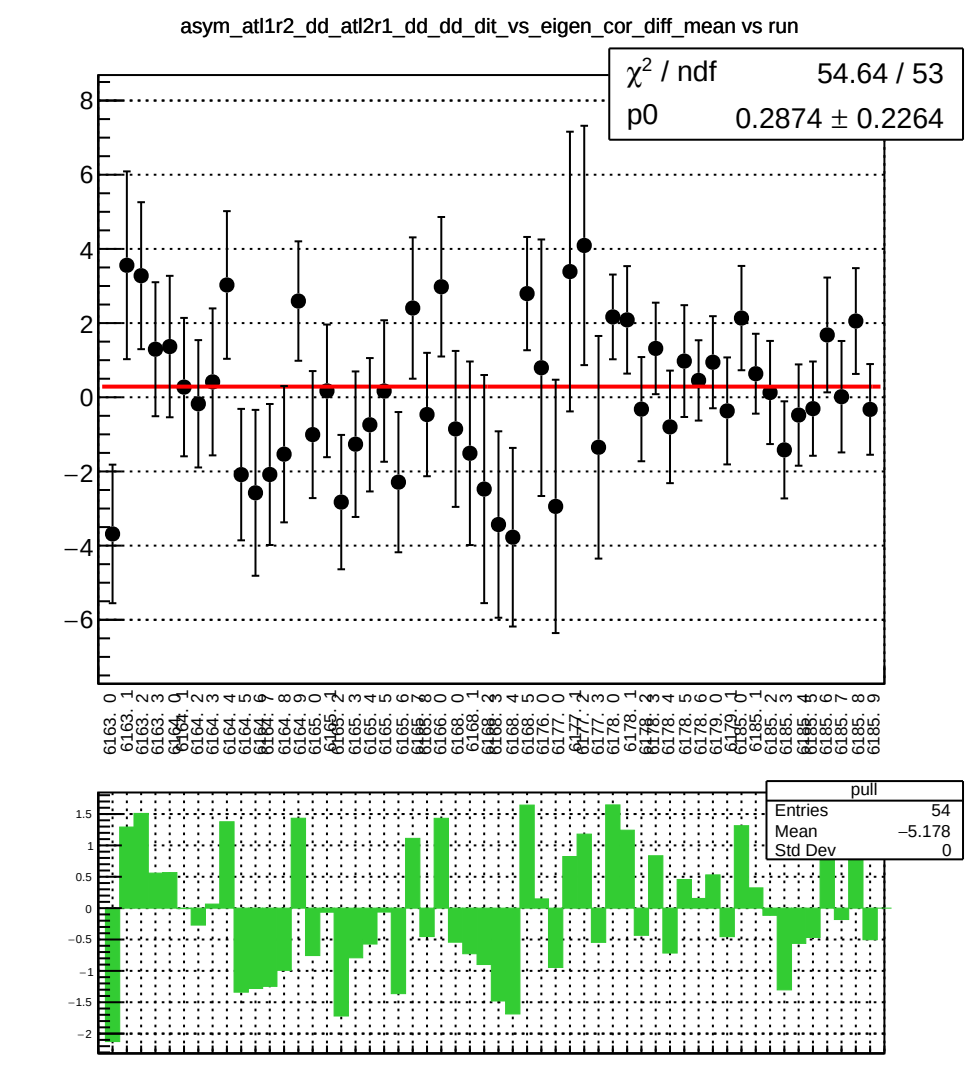

pull1D
Entries 54
Mean 0.01647
Std Dev 1.034

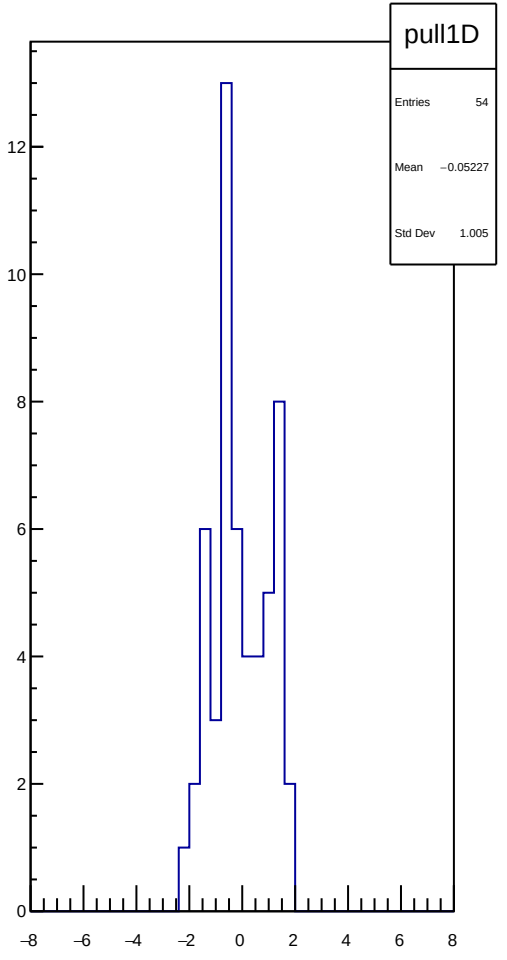

asym_atl1r2_dd_atl2r1_dd_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.911e+05 / 53
p0 2.012e−10 ± 3.441e−13
0.6
0.5
0.4
0.3
0.2
0.1
0
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 2
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

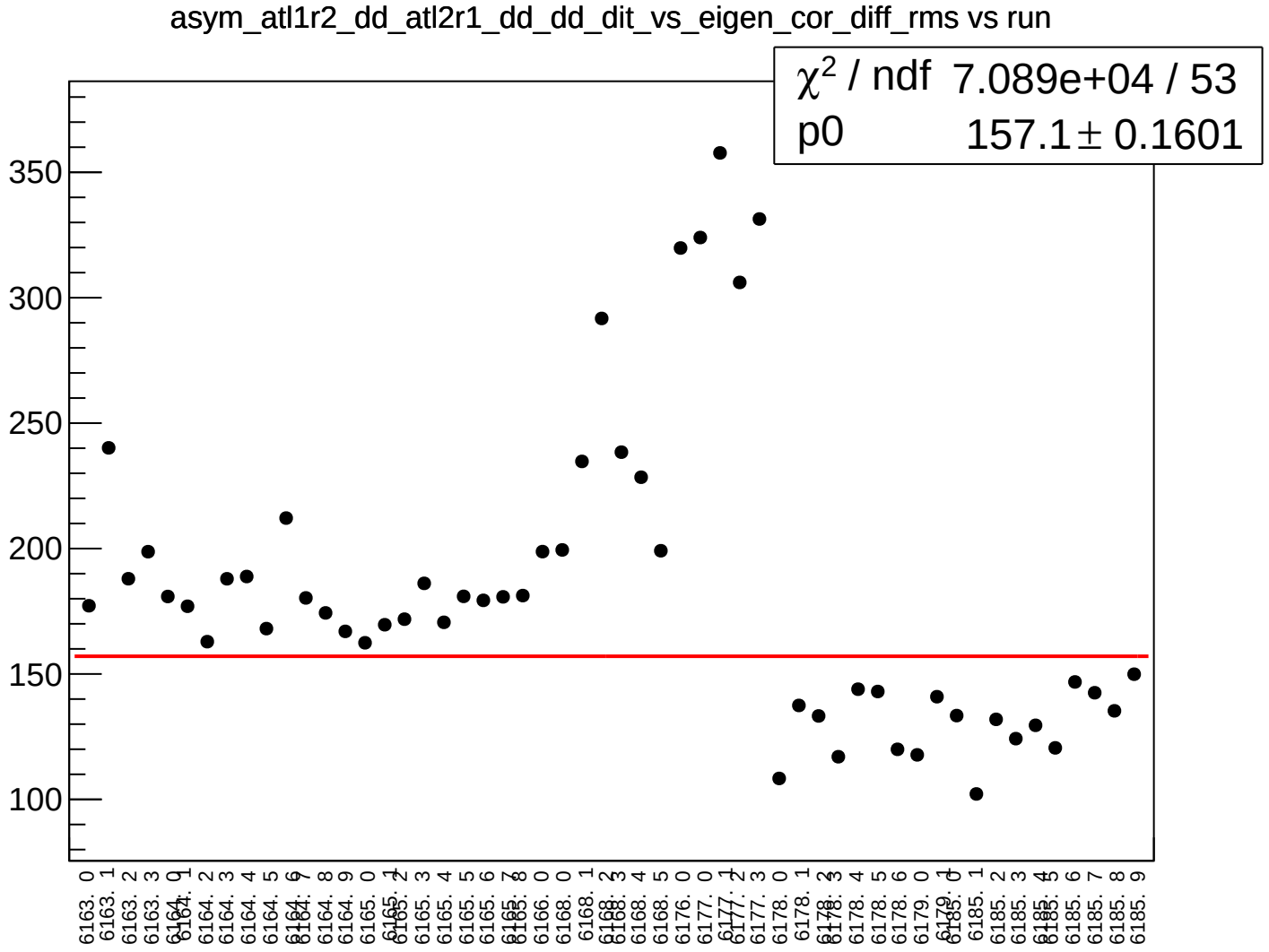

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 54.64 / 53
p0 0.2874 ± 0.2264
pull
Entries 54
Mean −5.178
Std Dev 0

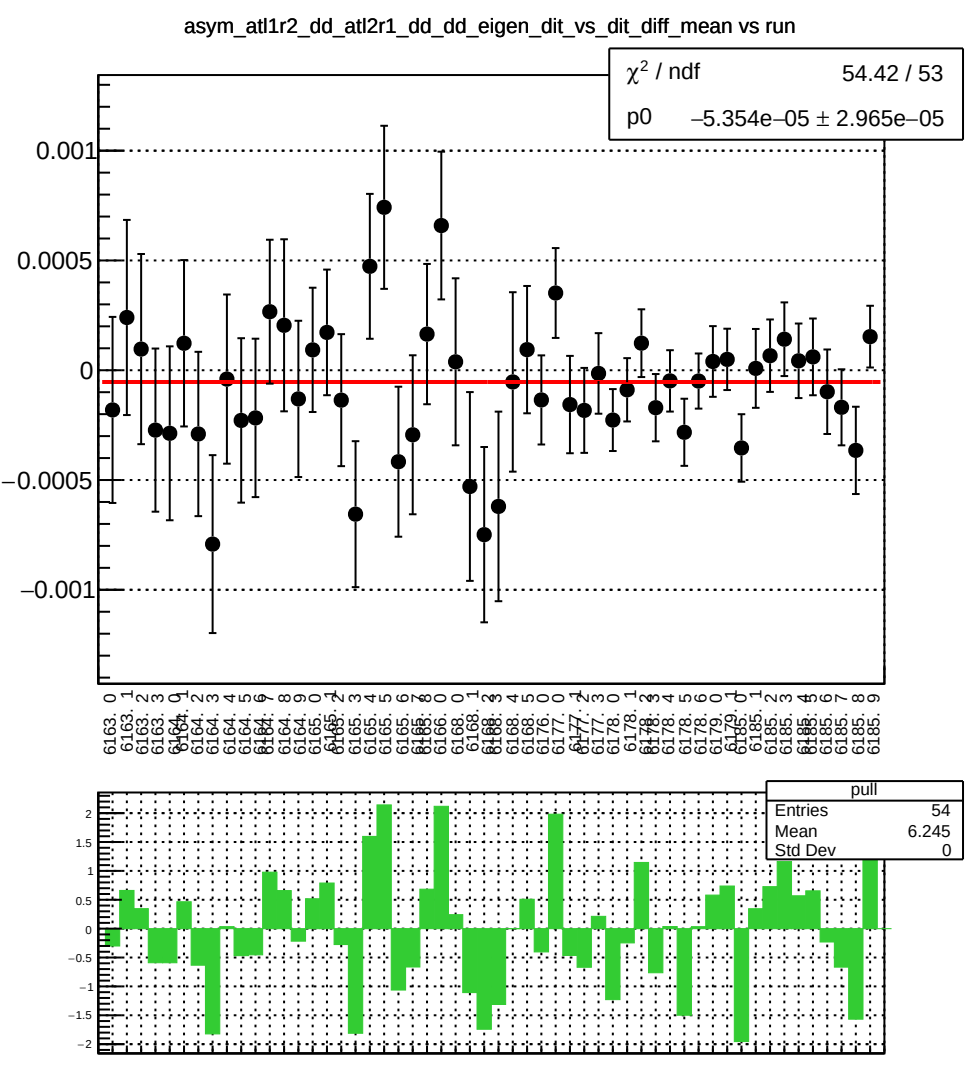

pull1D
Entries 54
Mean −0.05227
Std Dev 1.005

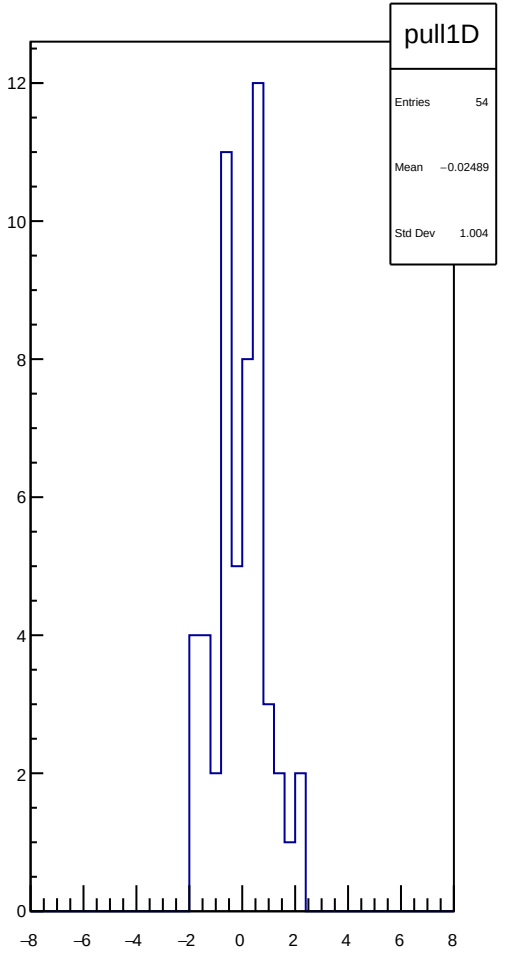

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 7.089e+04 / 53
p0 157.1 ± 0.1601
350
300
250
200
150
100
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

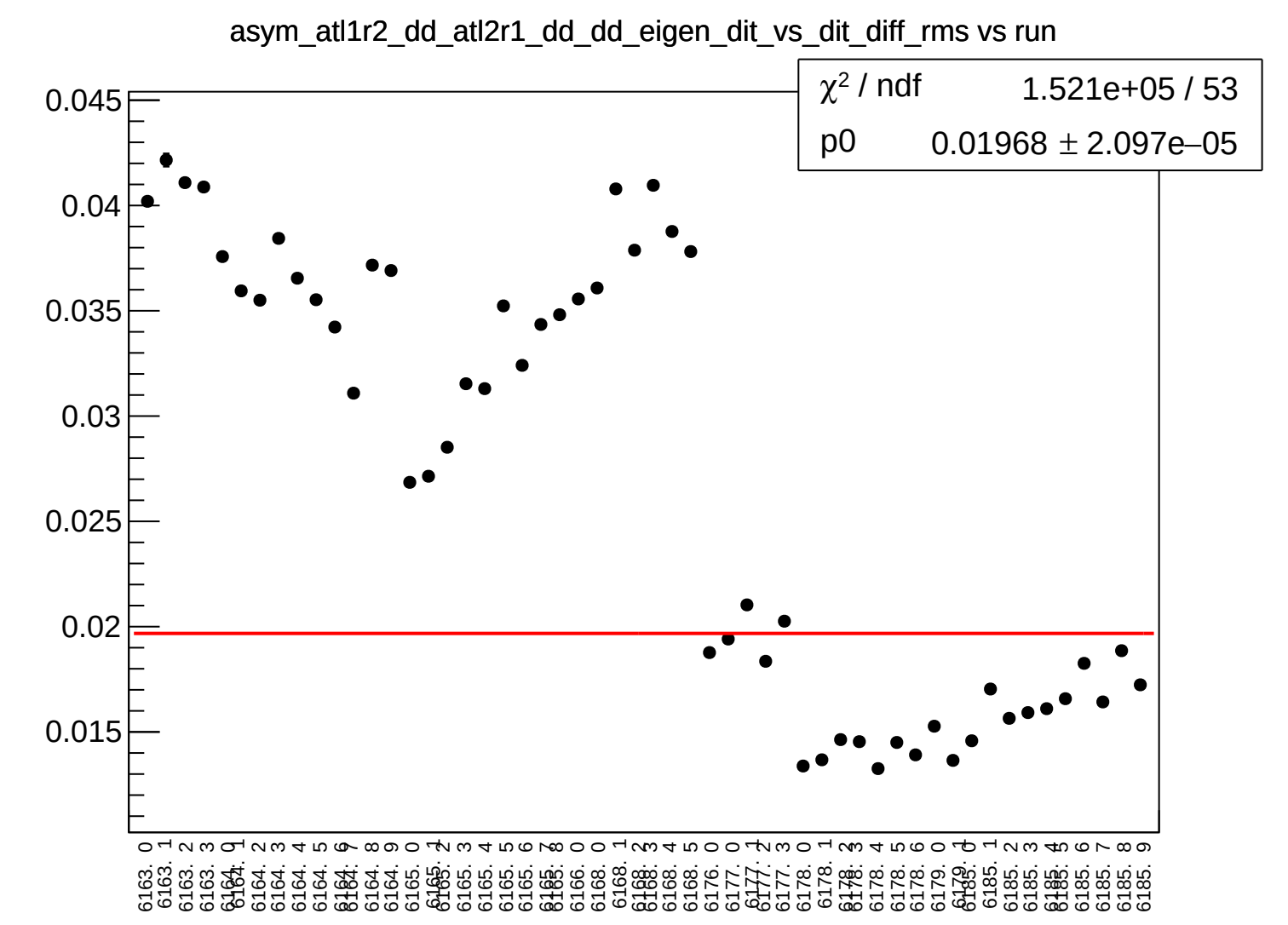

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 54.64 / 53
p0 0.2874 ± 0.2264
pull
Entries 54
Mean −5.178
Std Dev 0

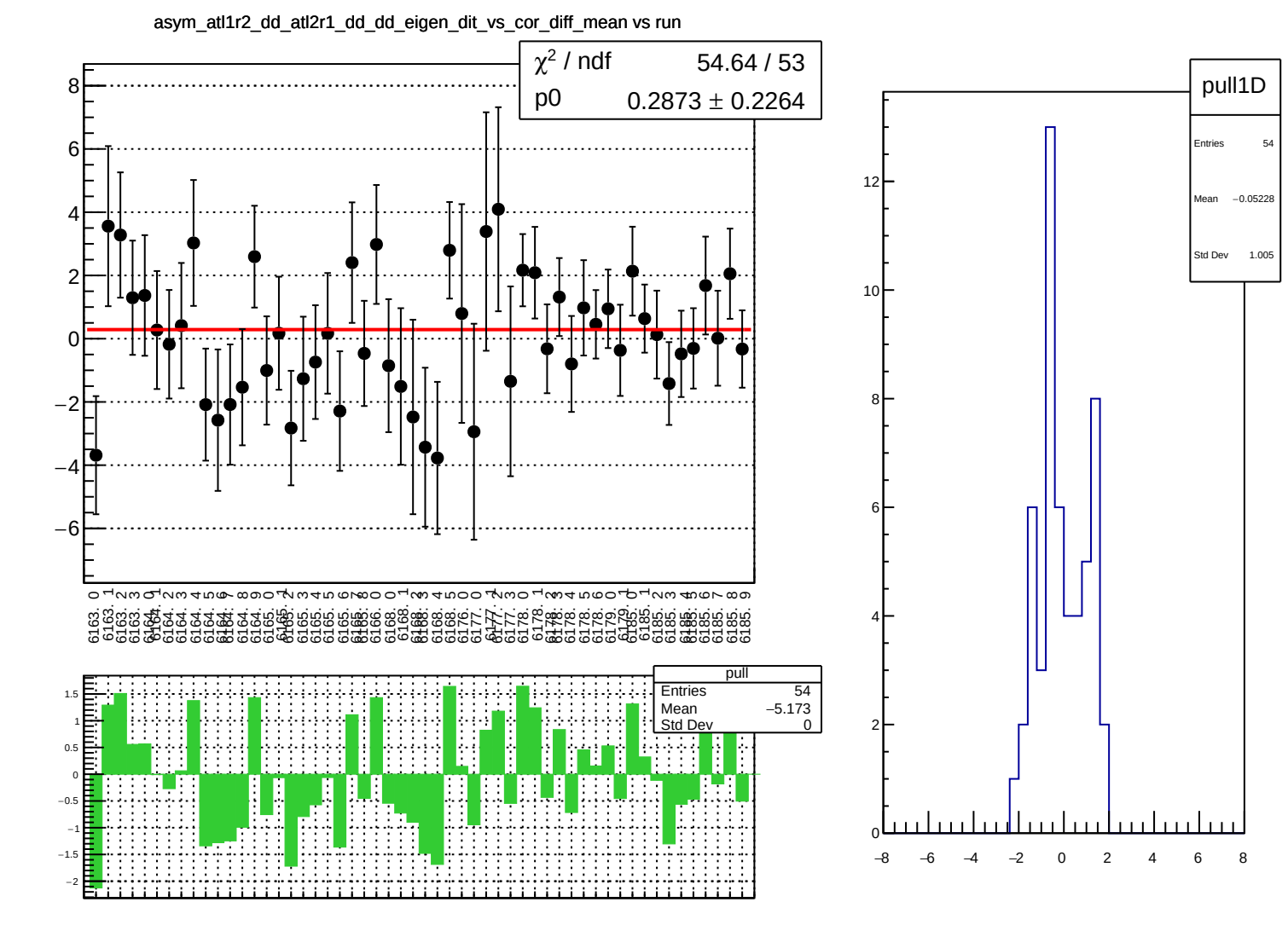

pull1D
Entries 54
Mean −0.05227
Std Dev 1.005

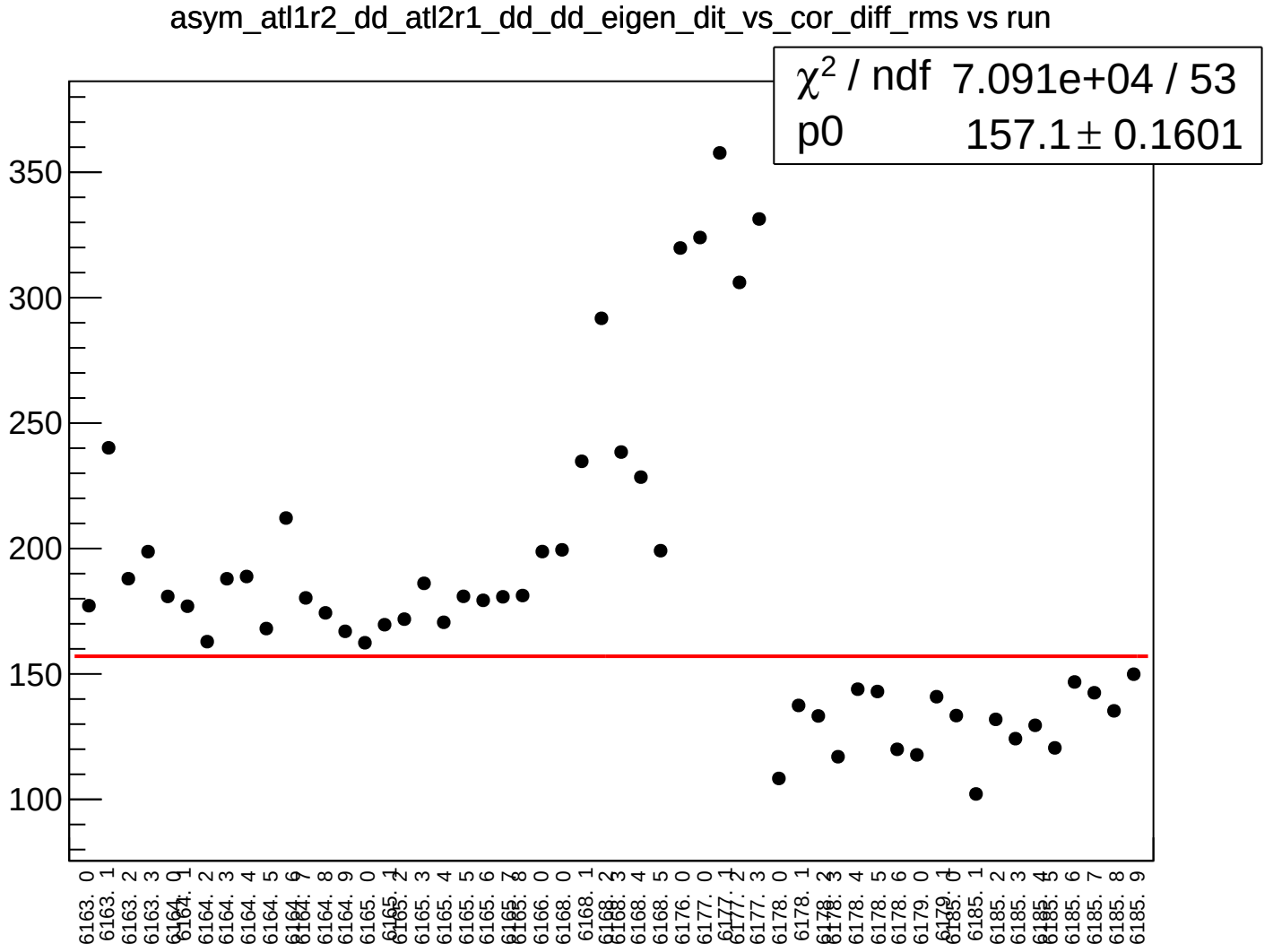

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.089e+04 / 53
p0 157.1 ± 0.1601
350
300
250
200
150
100
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

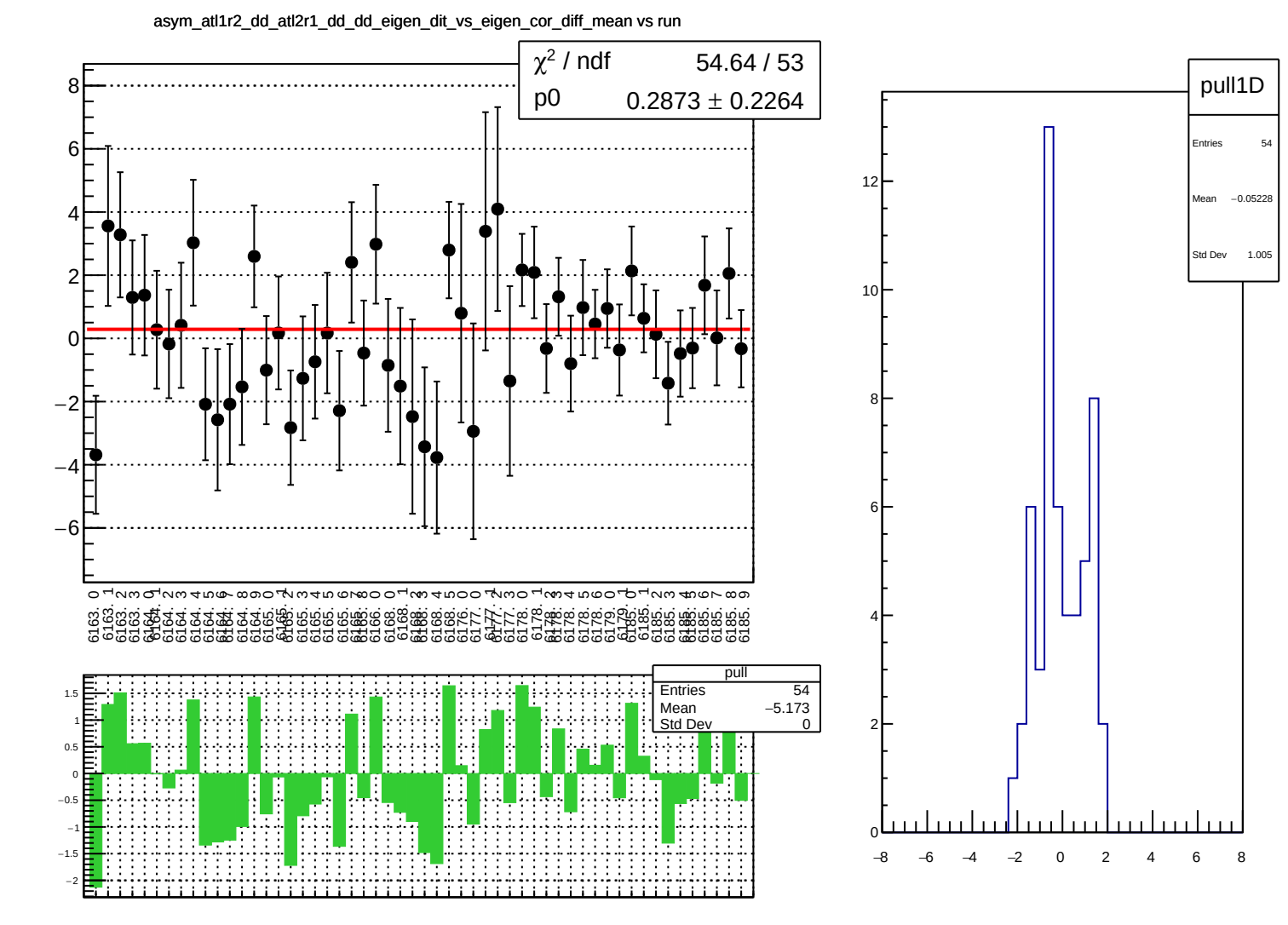

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 54.42 / 53
p0 −5.354e−05 ± 2.965e−05
0.001
0.0005
0
−0.0005
−0.001
pull
Entries 54
Mean 6.245
Std Dev 0

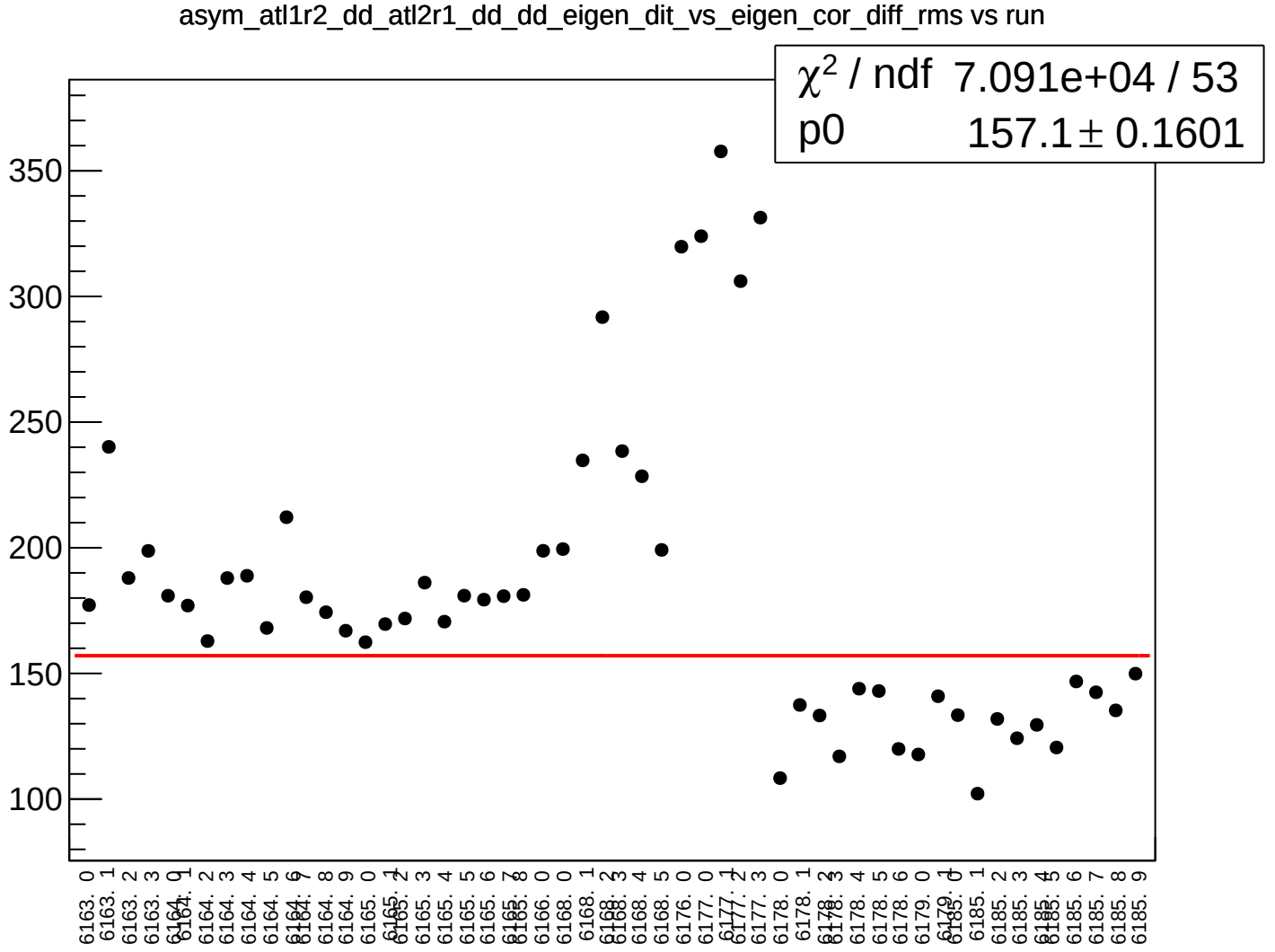

pull1D
Entries 54
Mean −0.02489
Std Dev 1.004

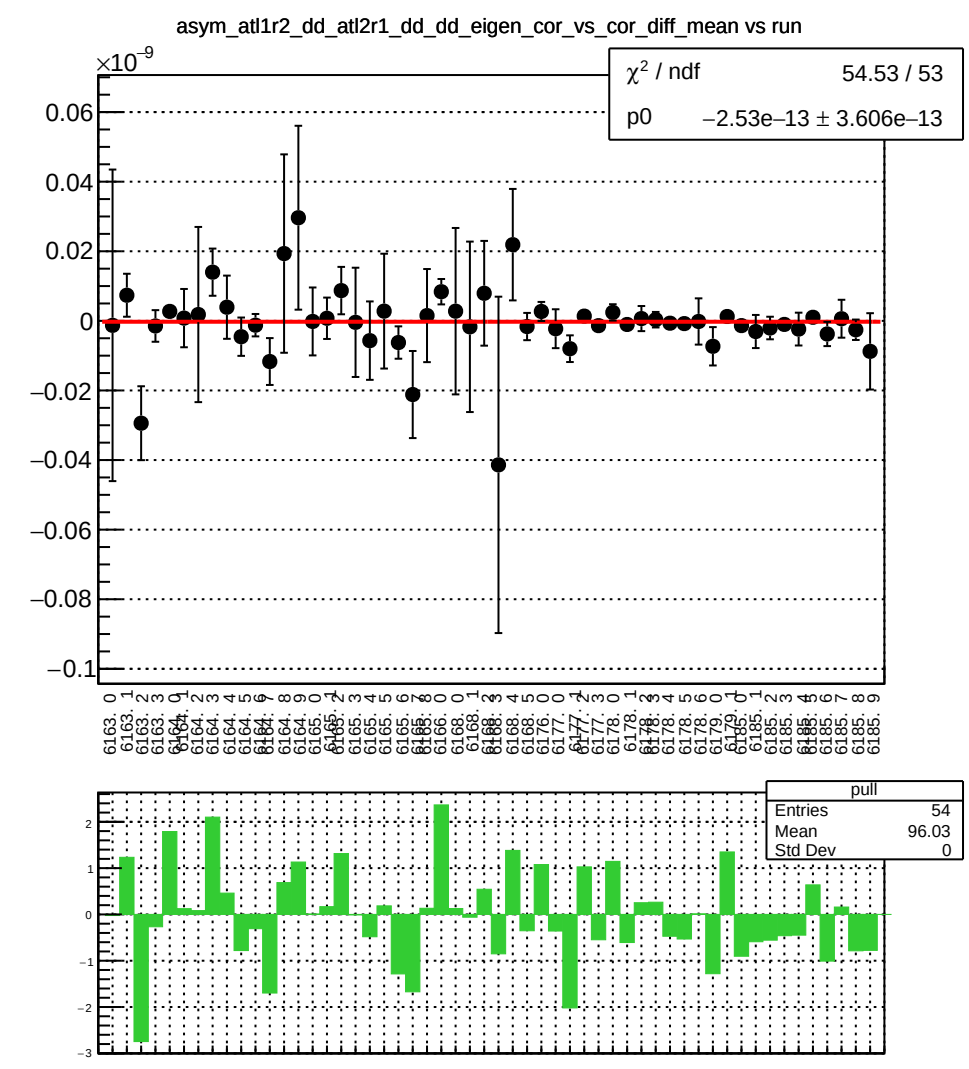

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.521e+05 / 53
p0 0.01968 ± 2.097e–05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

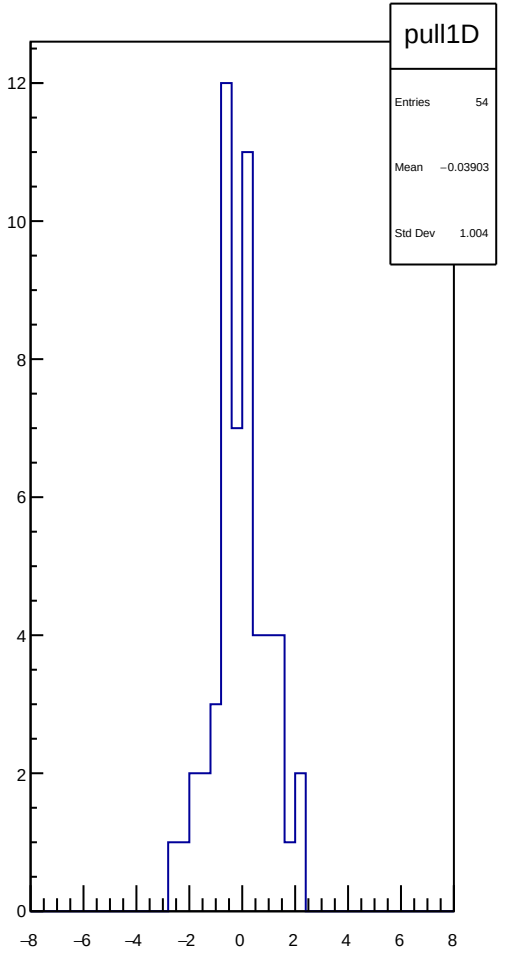

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 54.64 / 53
p0 0.2873 ± 0.2264
pull
Entries 54
Mean −5.173
Std Dev 0
pull1D
Entries 54
Mean −0.05228
Std Dev 1.005

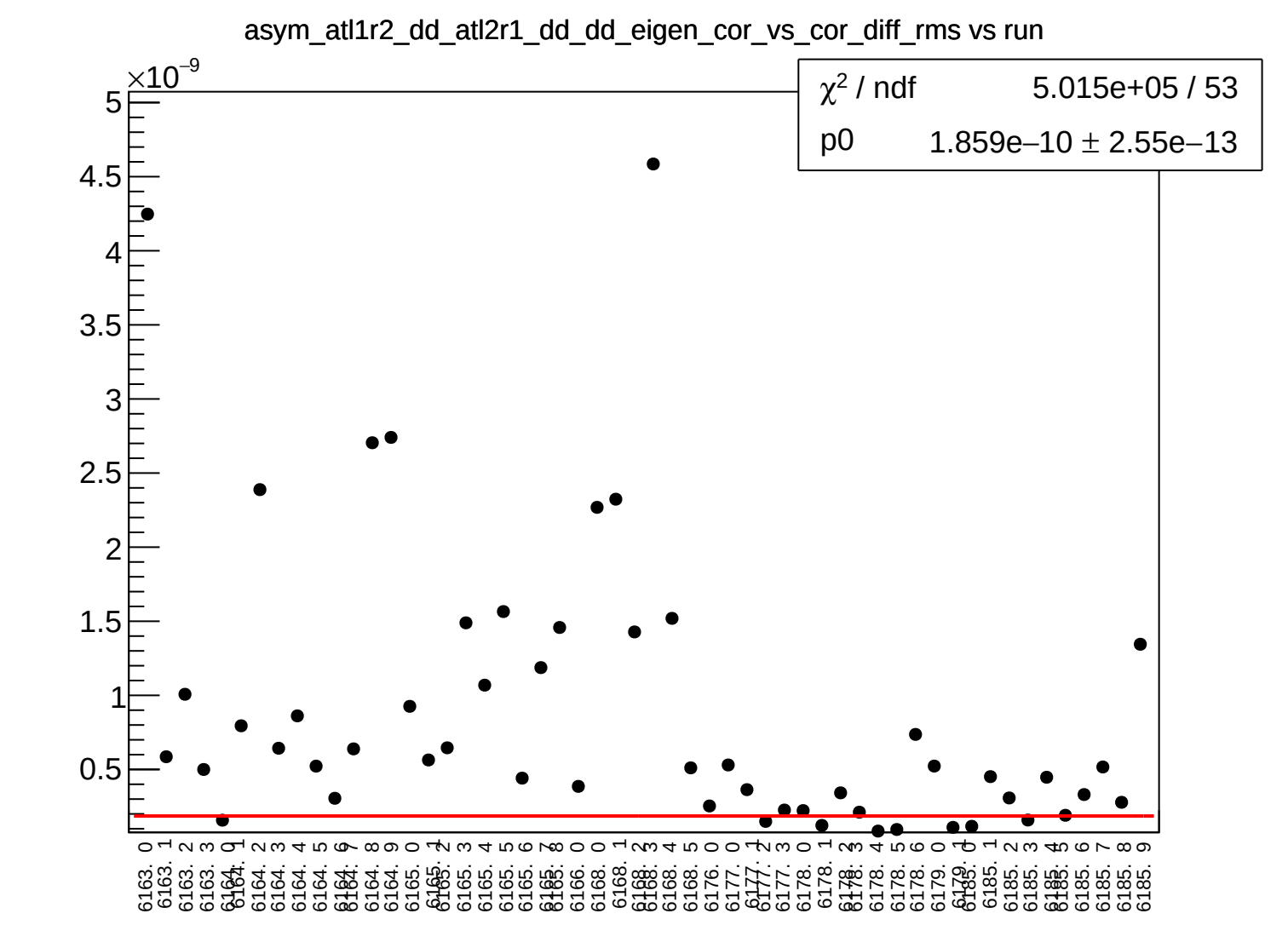

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 7.091e+04 / 53
p0 157.1 ± 0.1601
350
300
250
200
150
100
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

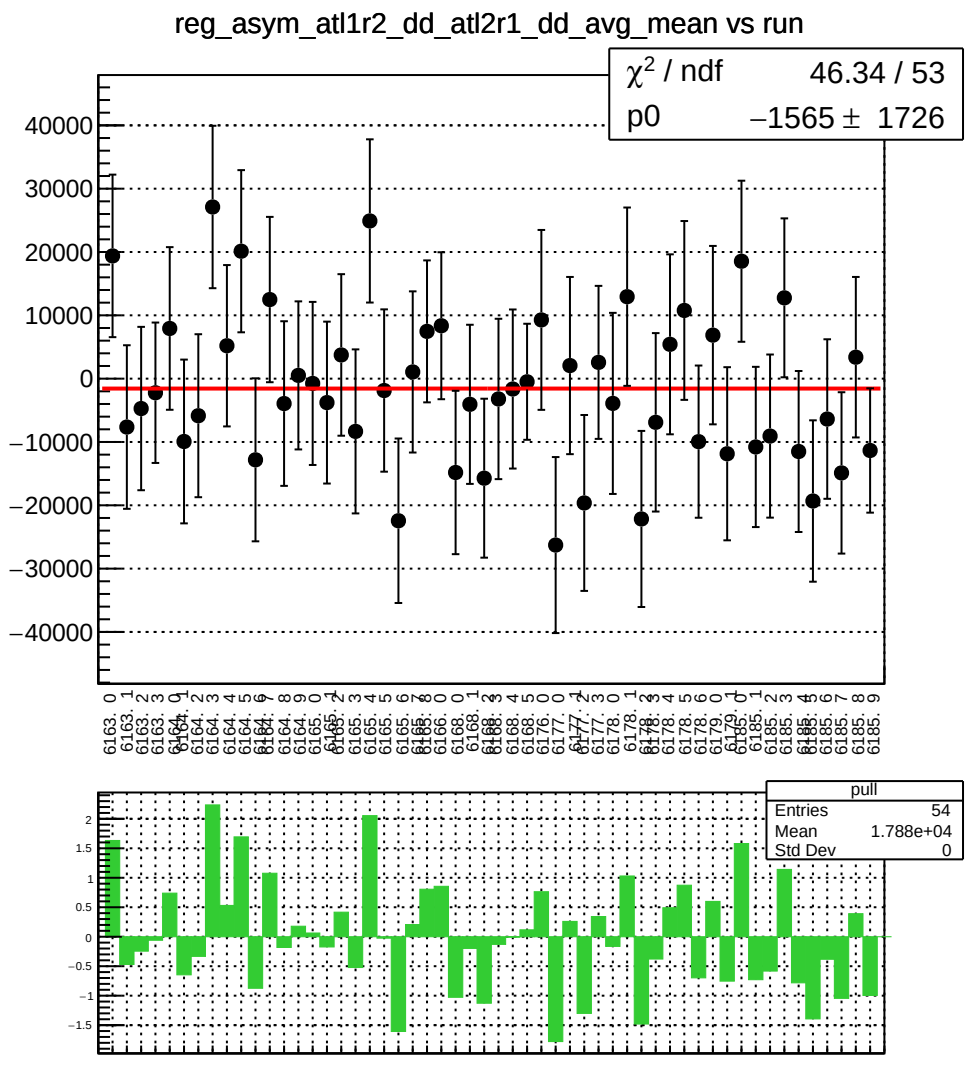

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 54.64 / 53
p0 0.2873 ± 0.2264
pull
Entries 54
Mean −5.173
Std Dev 0
pull1D
Entries 54
Mean −0.05228
Std Dev 1.005

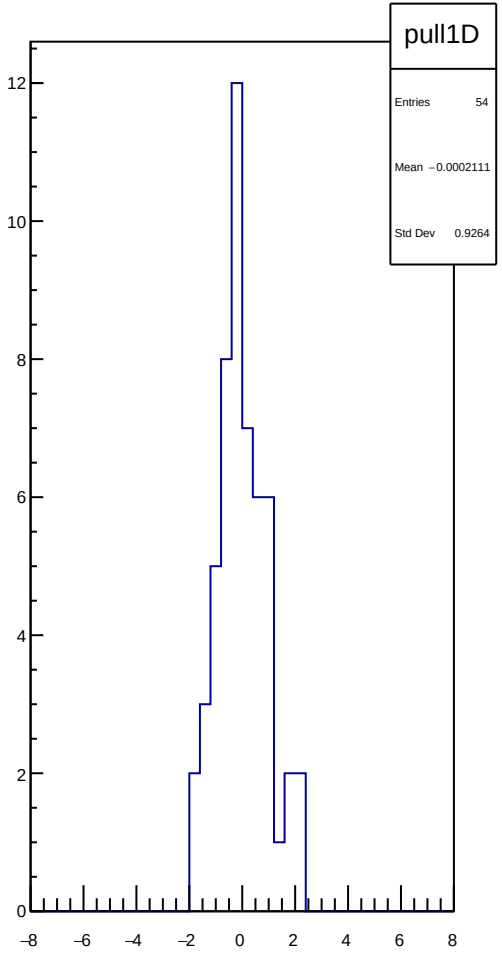

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.091e+04 / 53
p0 157.1 ± 0.1601
350
300
250
200
150
100
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

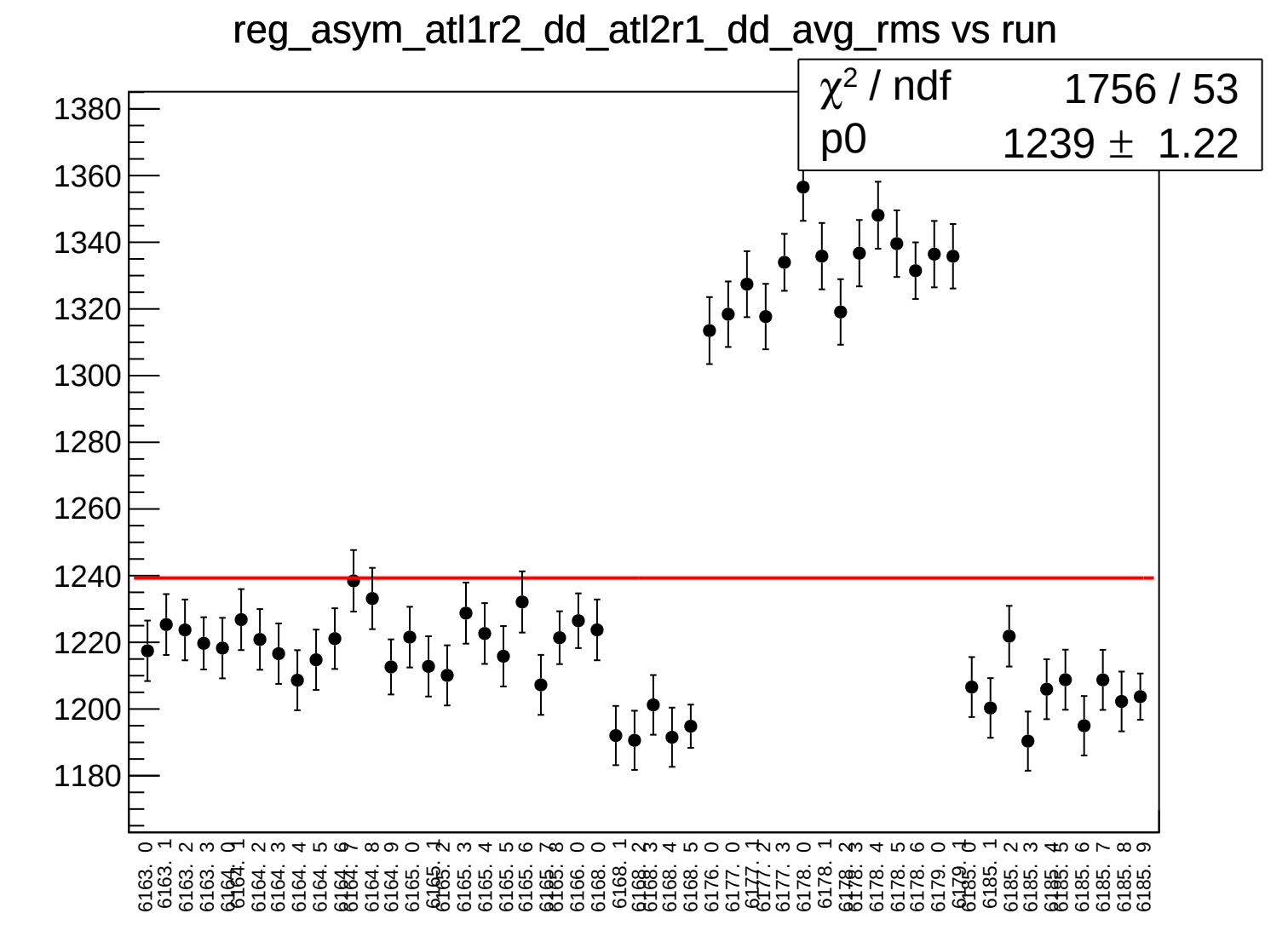

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻⁹
χ² / ndf 54.53 / 53
p0 −2.53e−13 ± 3.606e−13
pull
Entries 54
Mean 96.03
Std Dev 0

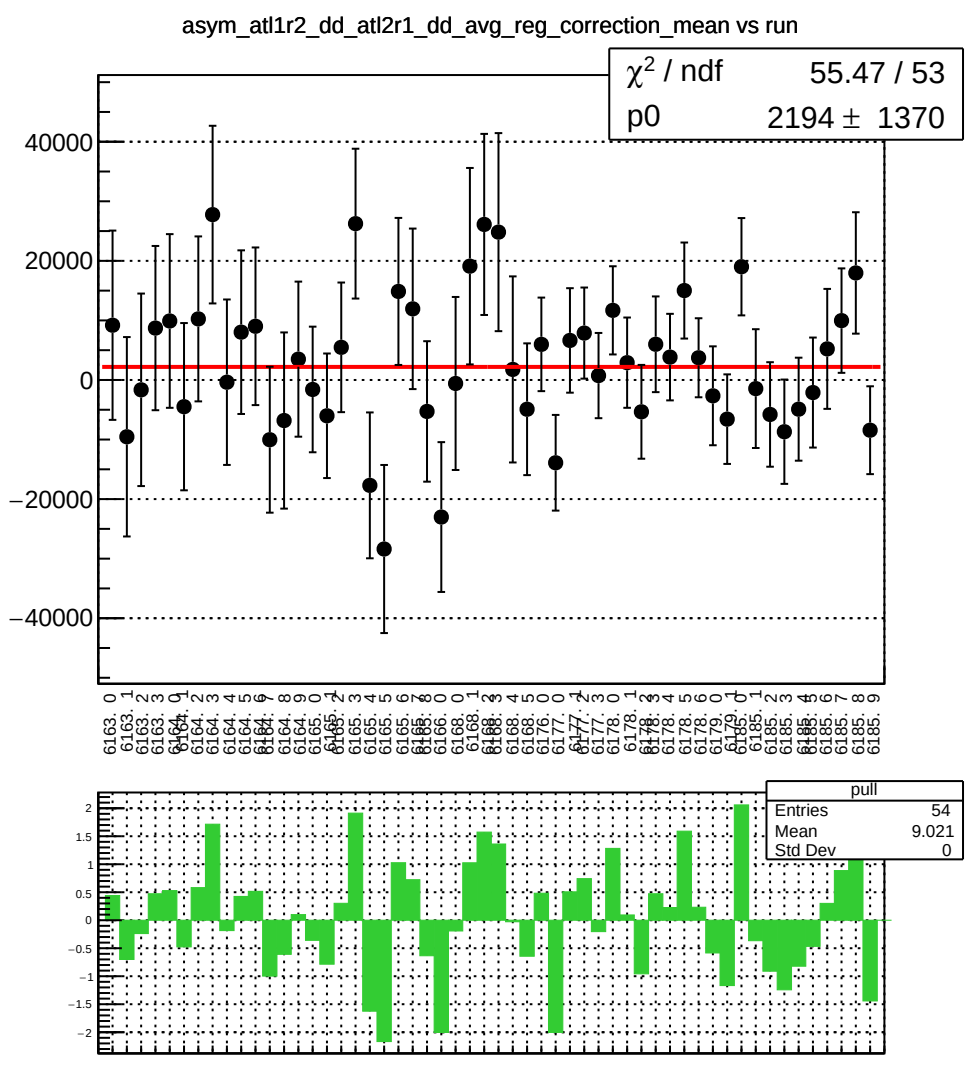

pull1D
Entries 54
Mean −0.03903
Std Dev 1.004

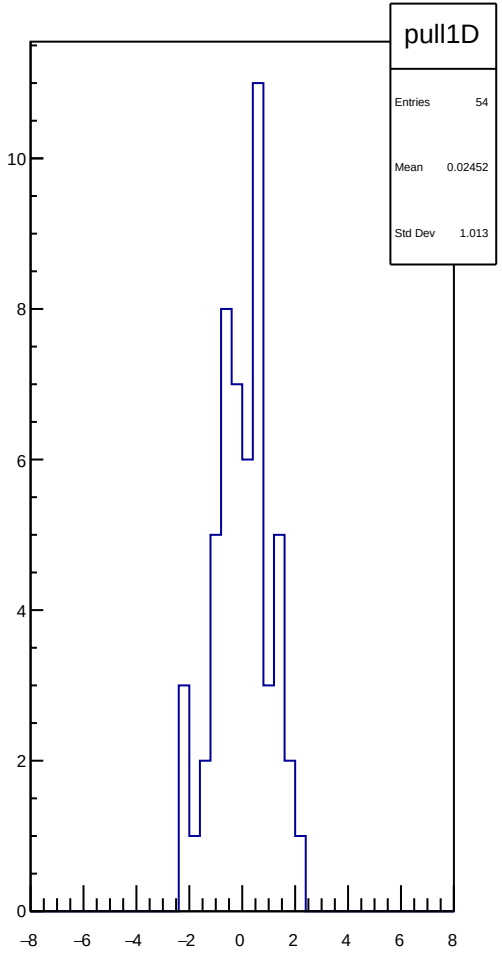

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.015e+05 / 53
p0 1.859e−10 ± 2.55e−13
5
4.5
4
3.5
3
2.5
2
1.5
1
0.5
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 7
6185. 8
6185. 9

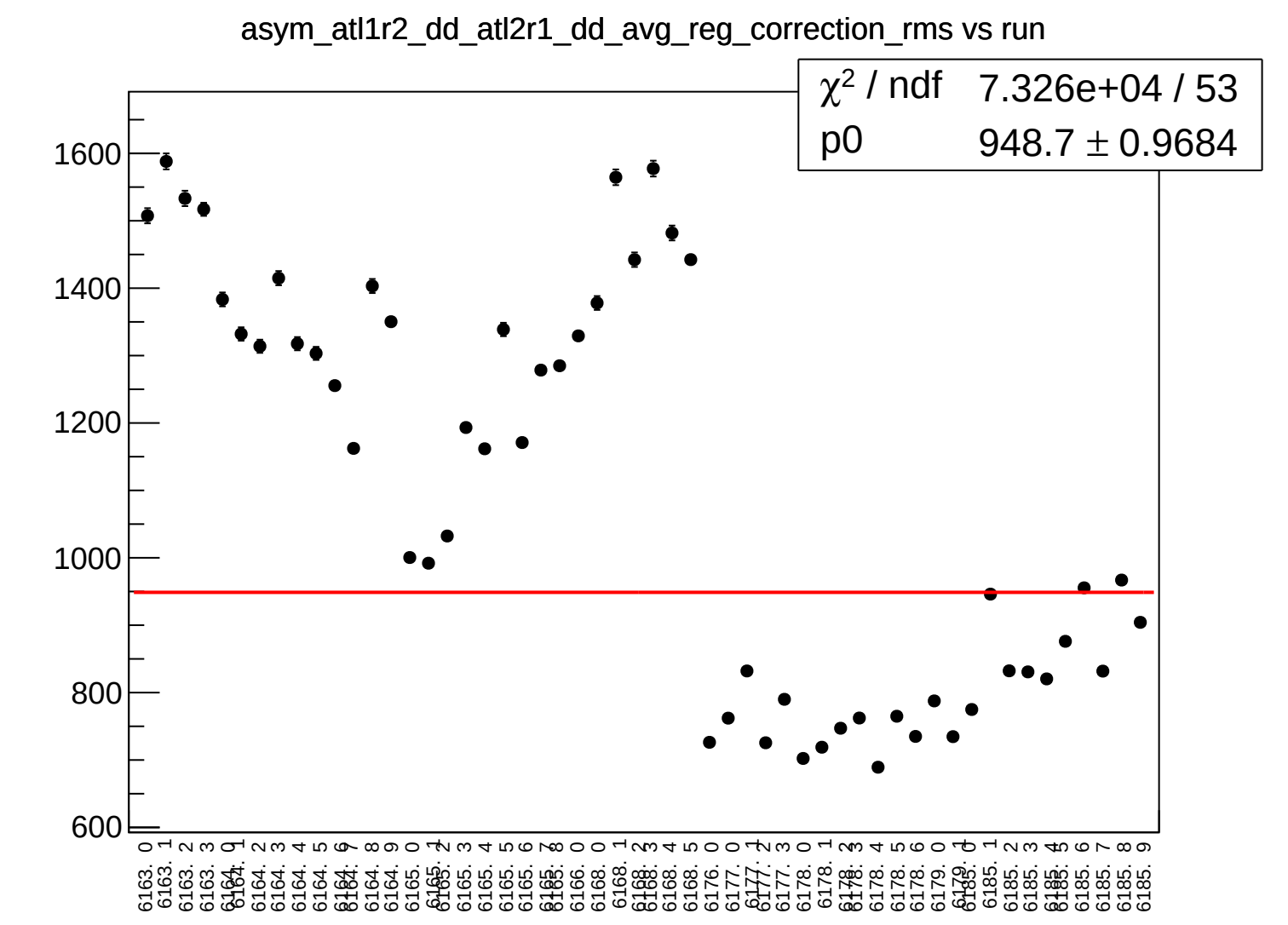

reg_asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 46.34 / 53
p0 −1565 ± 1726
pull
Entries 54
Mean 1.788e+04
Std Dev 0

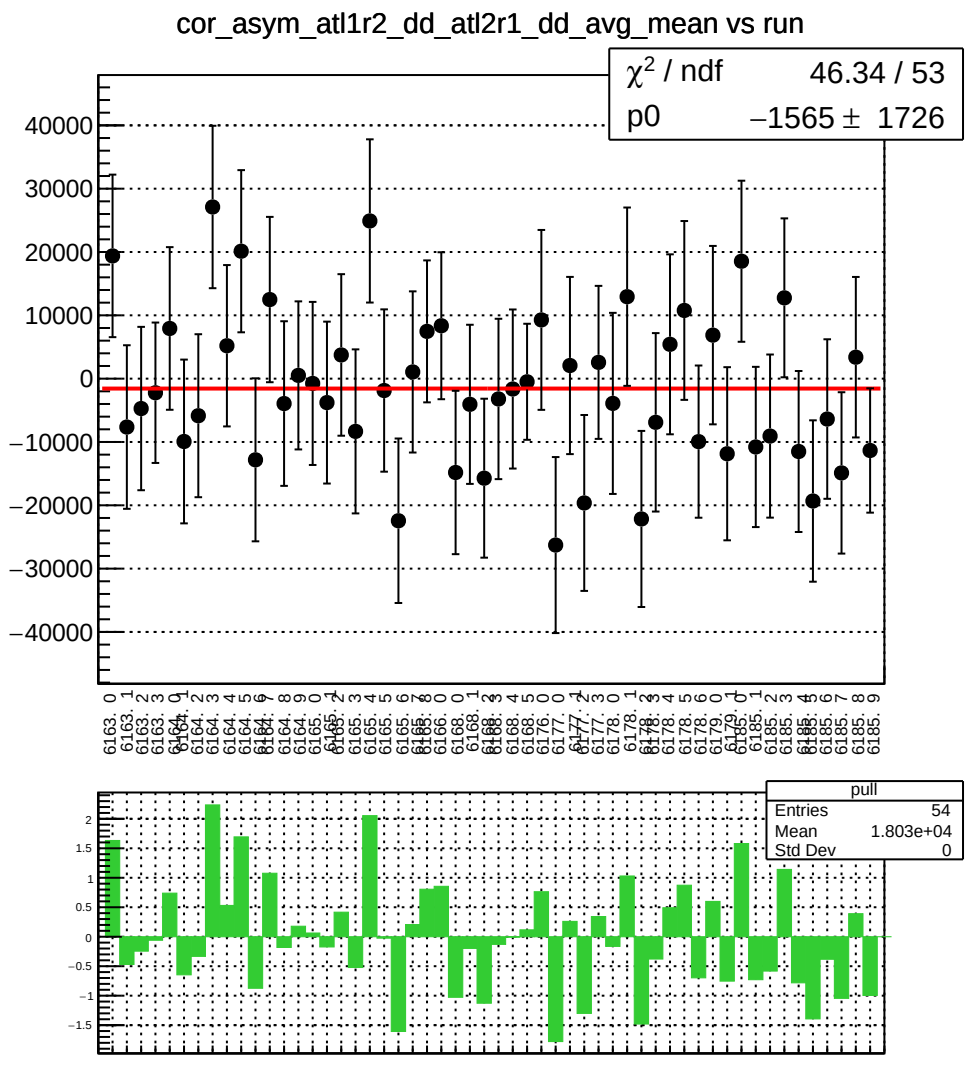

pull1D
Entries 54
Mean −0.0002111
Std Dev 0.9264

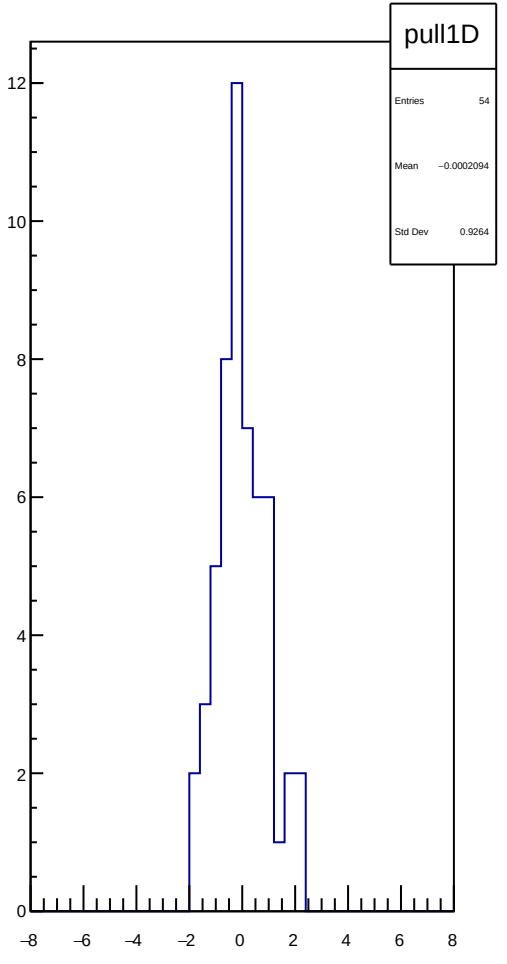

reg_asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ² / ndf 1756 / 53
p0 1239 ± 1.22
1380
1360
1340
1320
1300
1280
1260
1240
1220
1200
1180
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

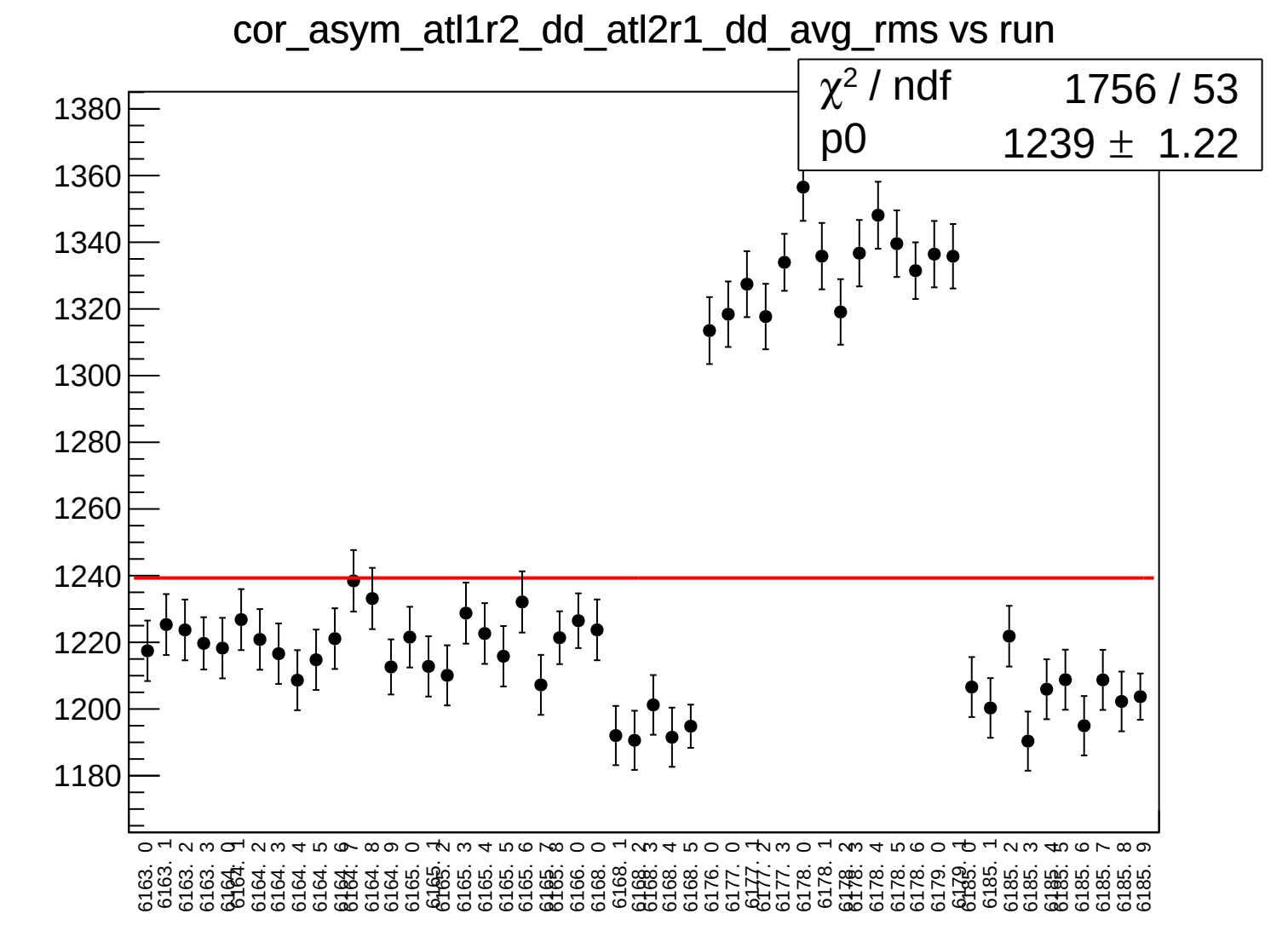

asym_atl1r2_dd_atl2r1_dd_avg_reg_correction_mean vs run
χ² / ndf 55.47 / 53
p0 2194 ± 1370
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 9.021
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

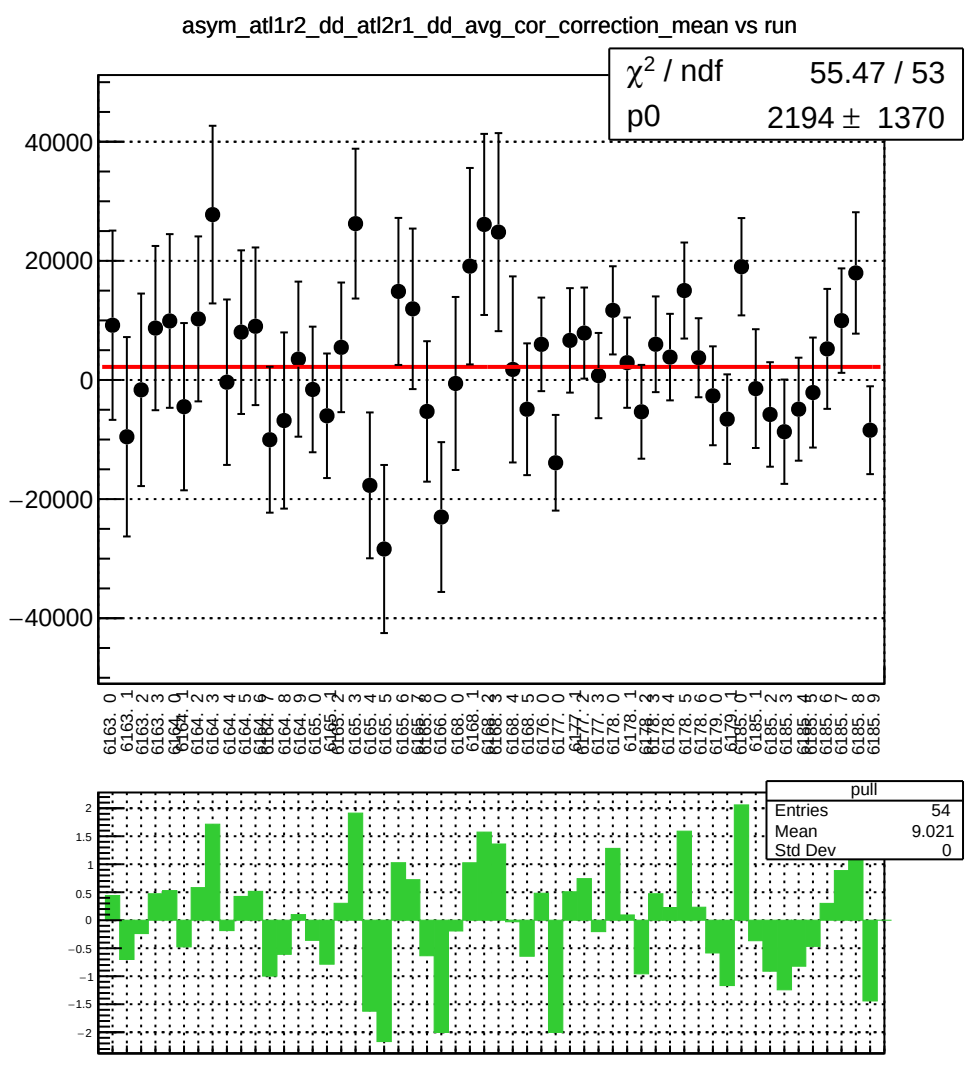

pull1D
Entries 54
Mean 0.02452
Std Dev 1.013
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

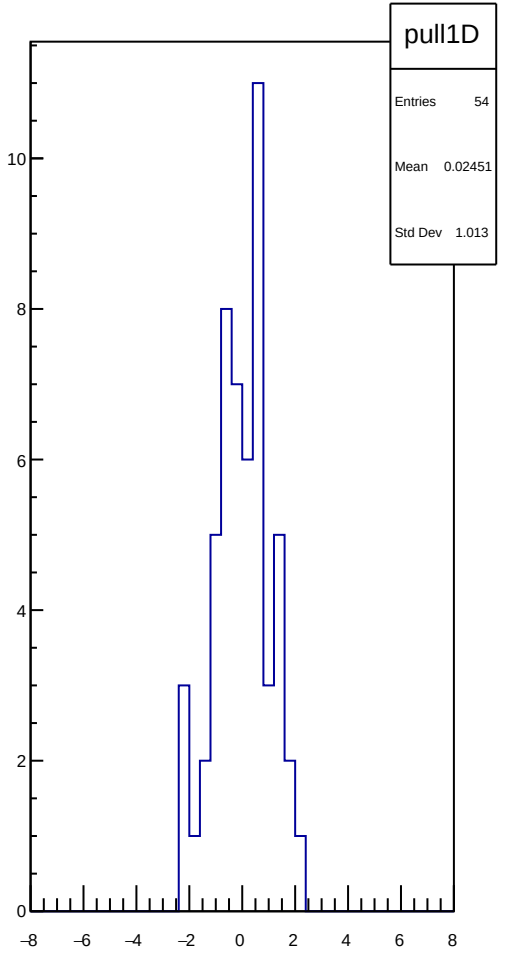

asym_atl1r2_dd_atl2r1_dd_avg_reg_correction_rms vs run
χ² / ndf 7.326e+04 / 53
p0 948.7 ± 0.9684
1600
1400
1200
1000
800
600
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

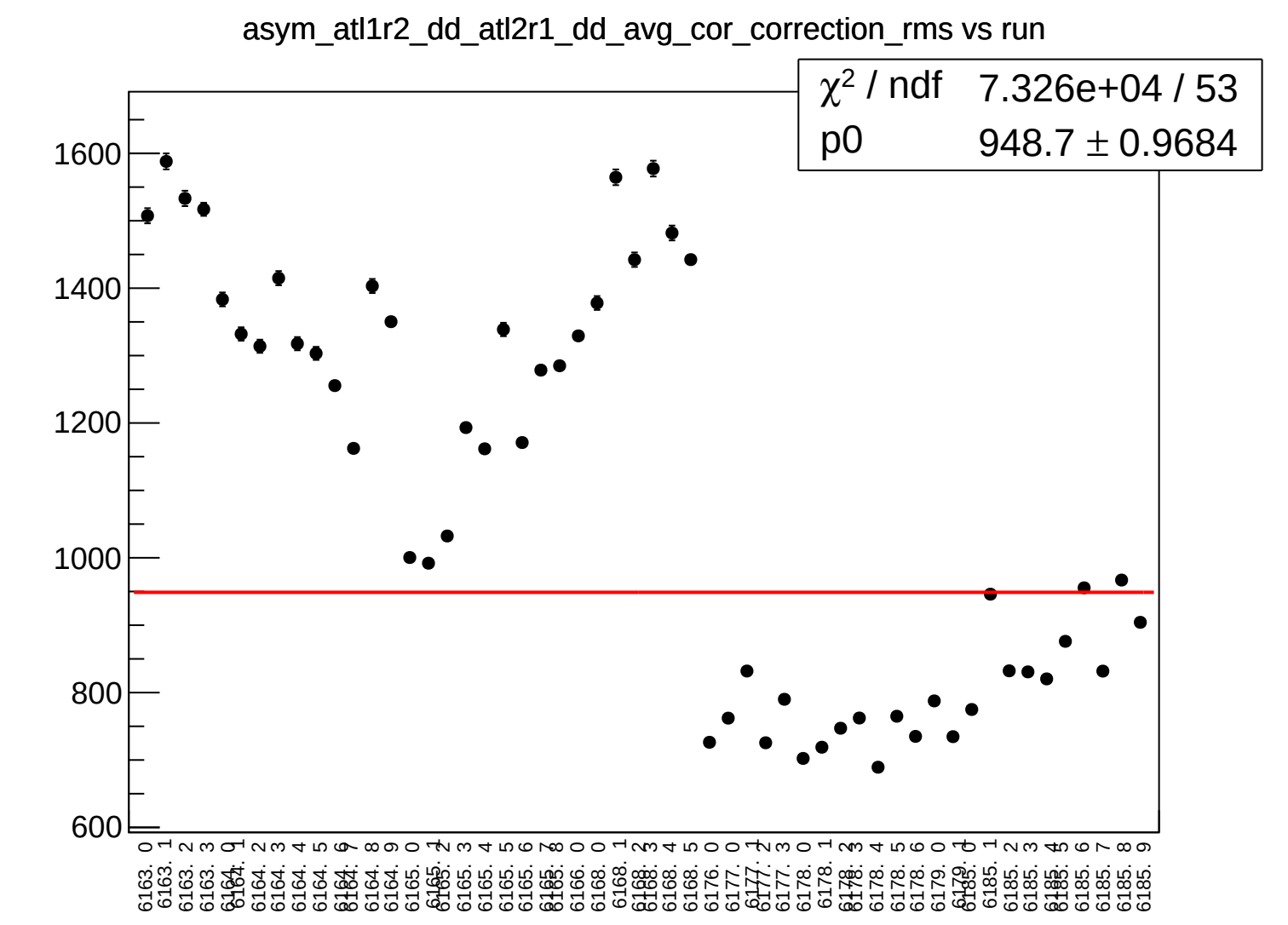

cor_asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 46.34 / 53
p0 −1565 ± 1726
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 54
Mean 1.803e+04
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

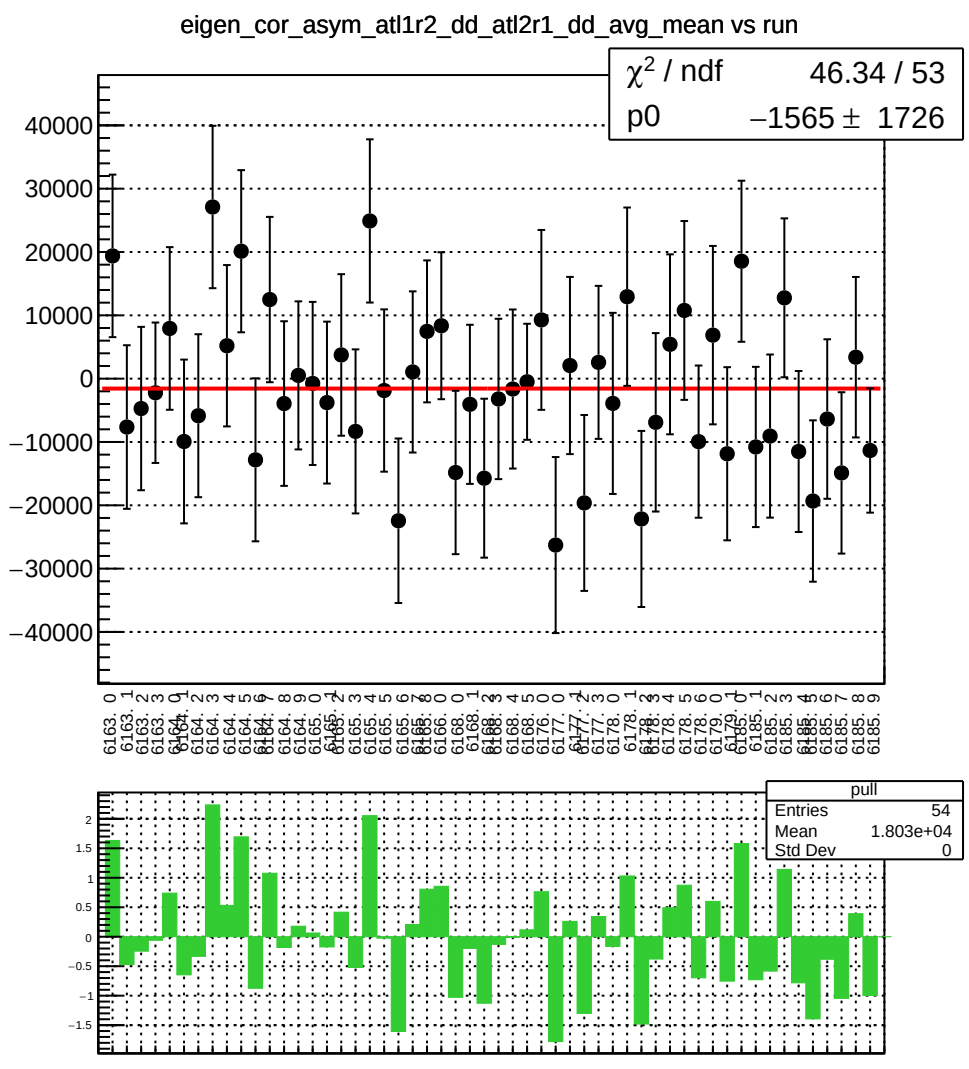

pull1D
Entries 54
Mean −0.0002094
Std Dev 0.9264
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

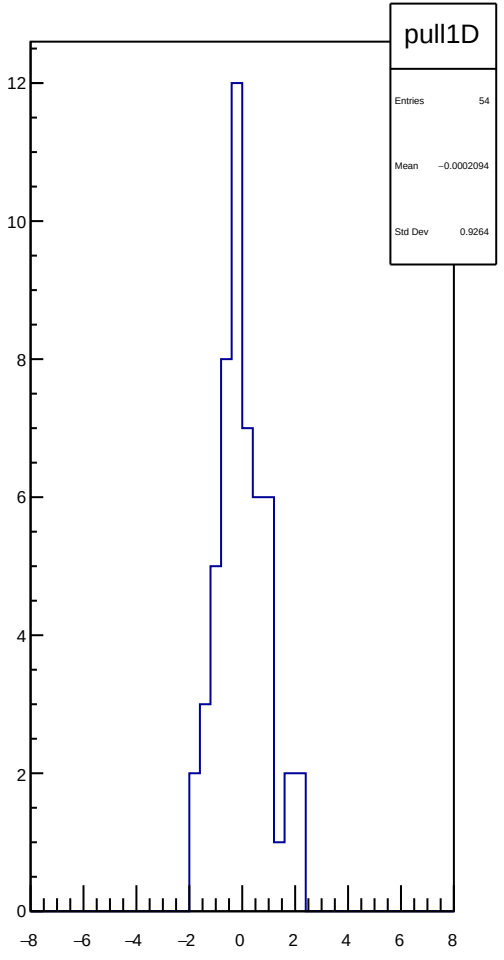

cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ² / ndf 1756 / 53
p0 1239 ± 1.22
1380
1360
1340
1320
1300
1280
1260
1240
1220
1200
1180
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

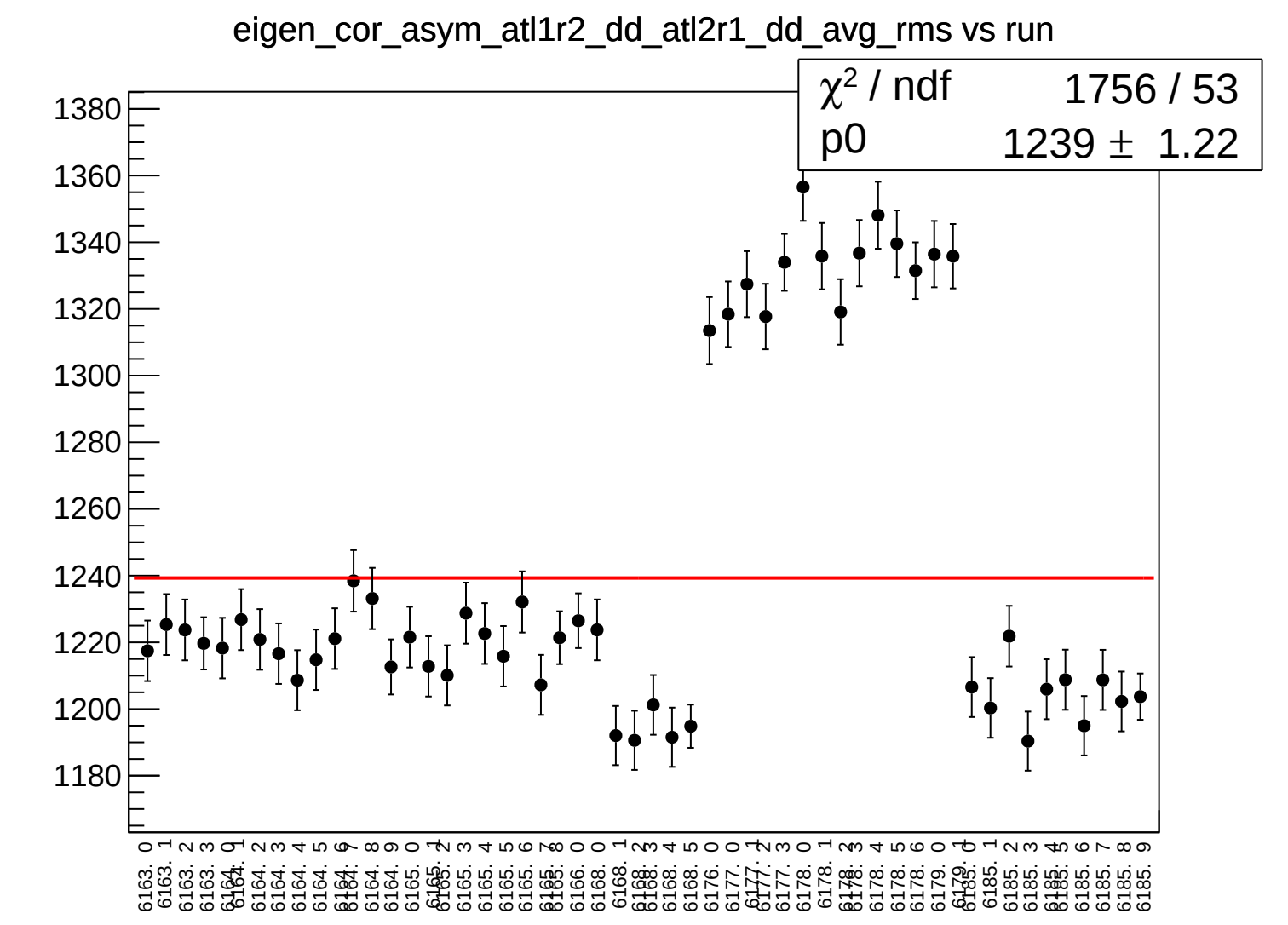

asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_mean vs run
χ² / ndf 55.47 / 53
p0 2194 ± 1370
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 9.021
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

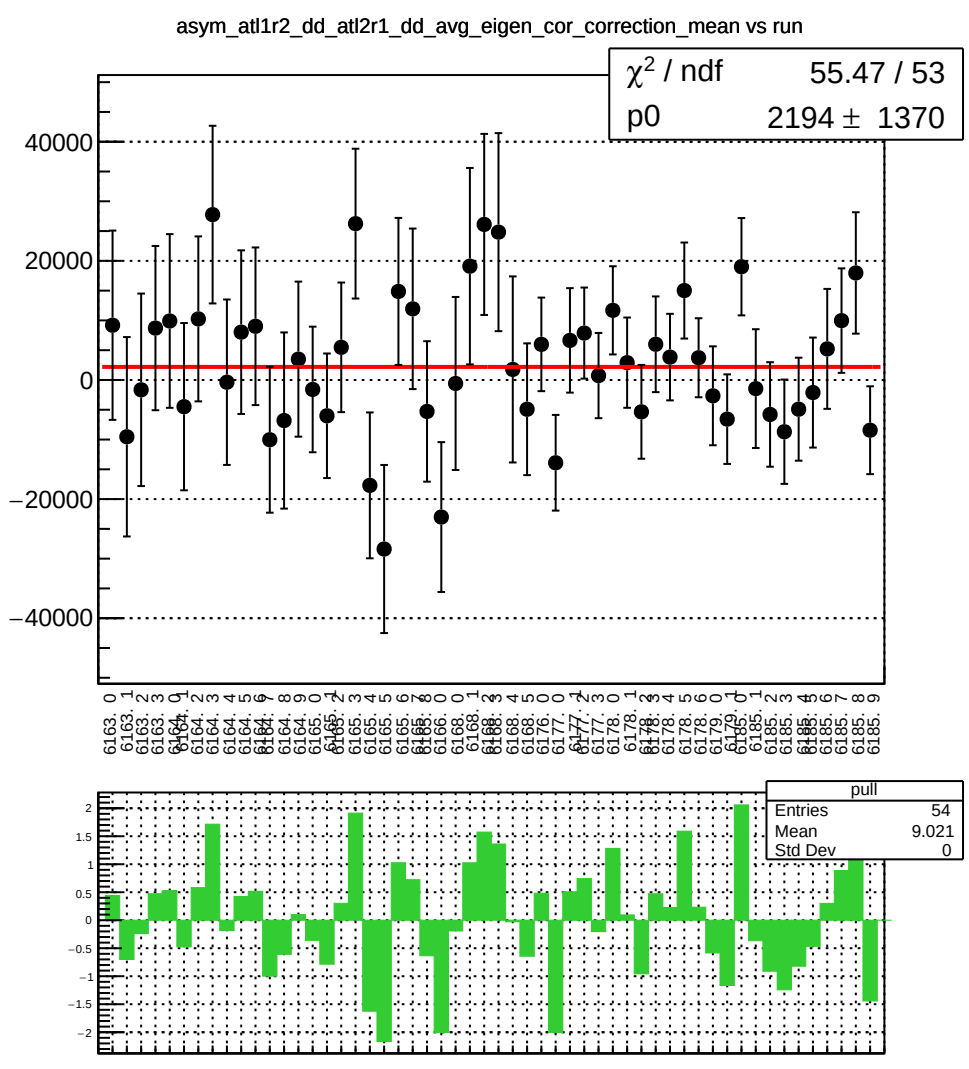

pull1D
Entries 54
Mean 0.02451
Std Dev 1.013
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

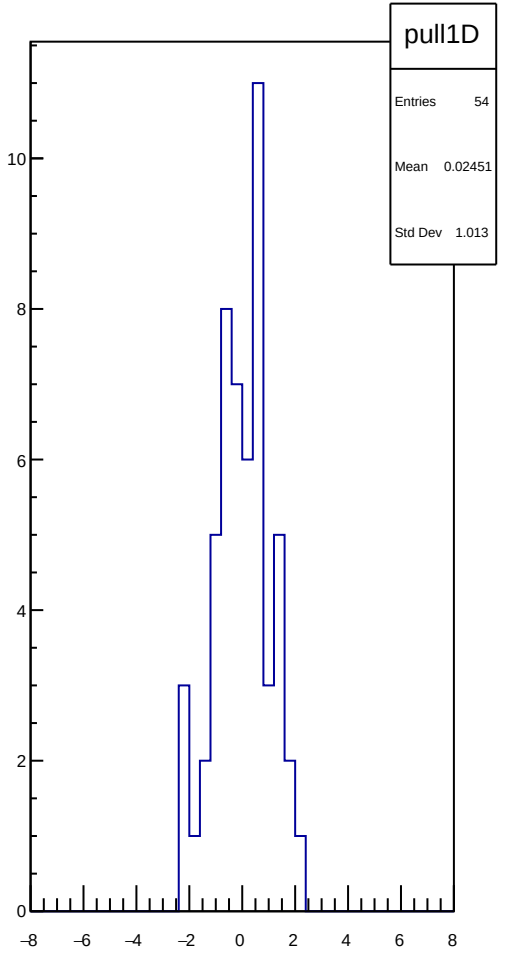

asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_rms vs run
χ² / ndf 7.326e+04 / 53
p0 948.7 ± 0.9684
1600
1400
1200
1000
800
600
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

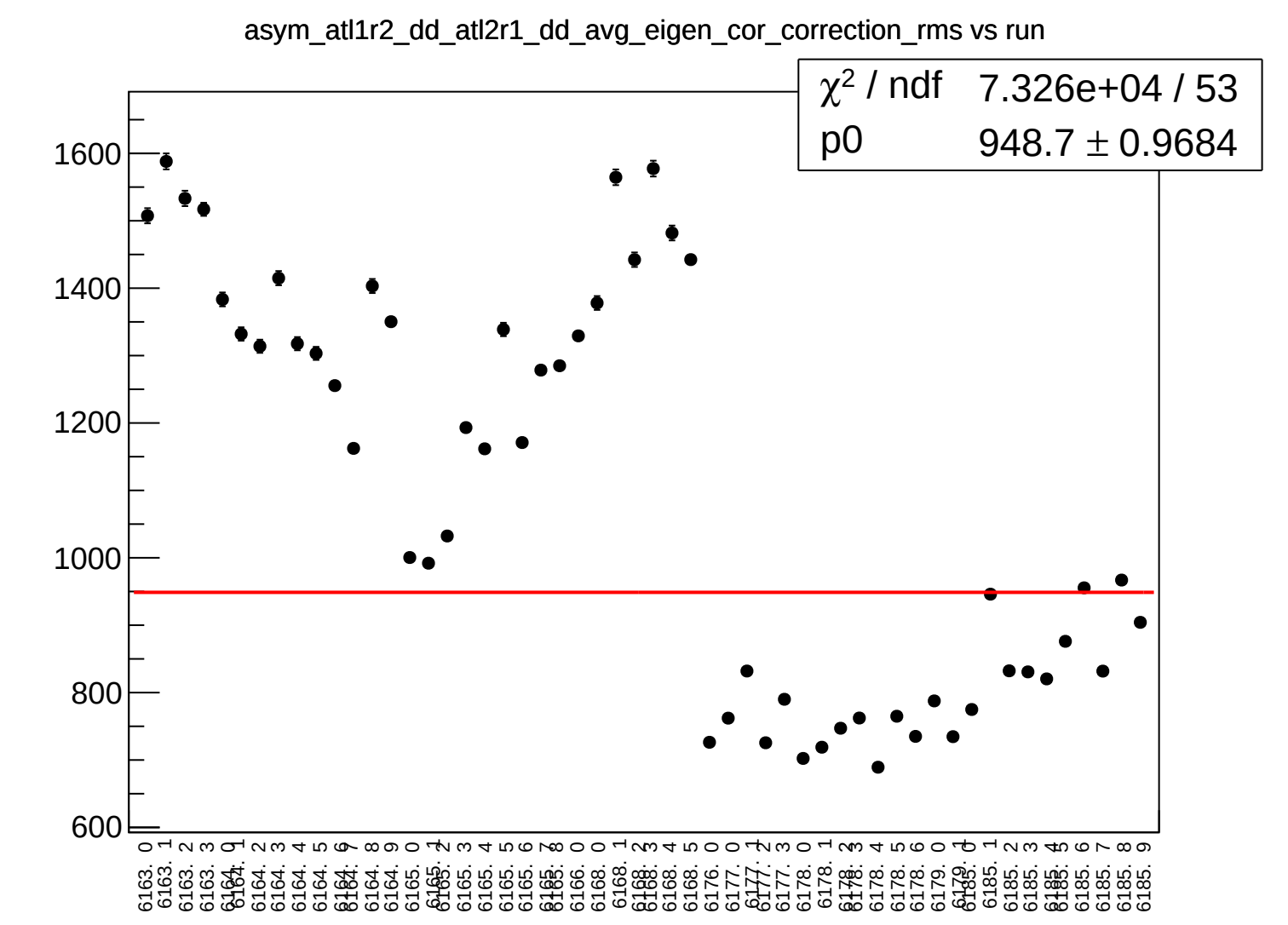

eigen_cor_asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 46.34 / 53
p0 −1565 ± 1726
pull
Entries 54
Mean 1.803e+04
Std Dev 0

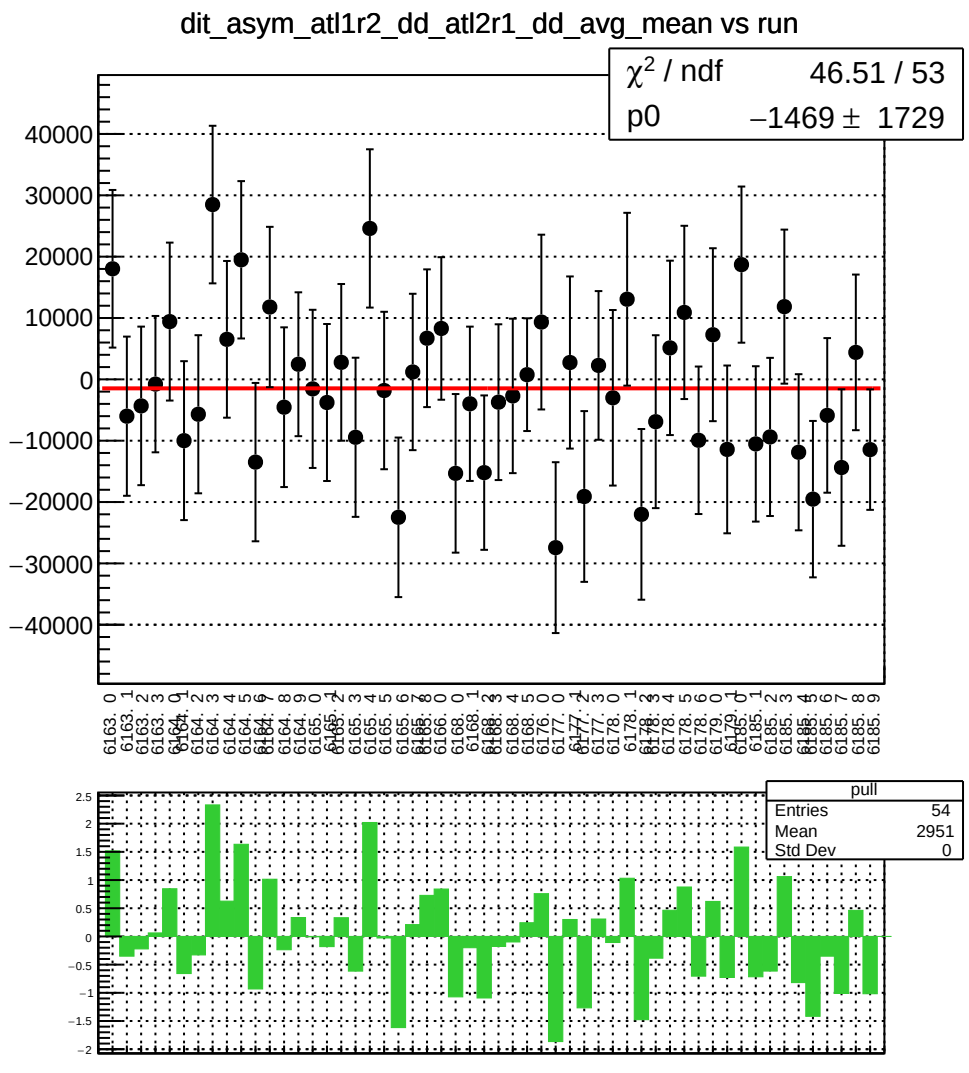

pull1D
Entries 54
Mean −0.0002094
Std Dev 0.9264

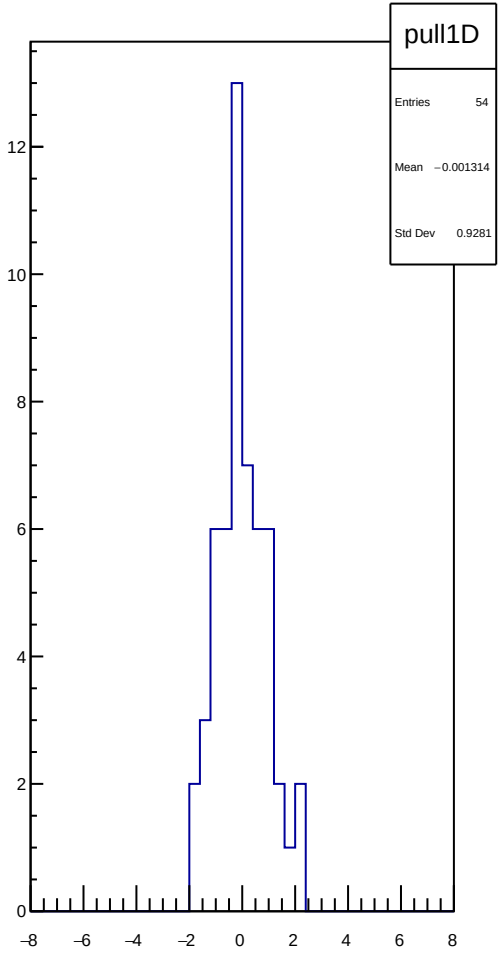

eigen_cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ² / ndf 1756 / 53
p0 1239 ± 1.22
1380
1360
1340
1320
1300
1280
1260
1240
1220
1200
1180
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

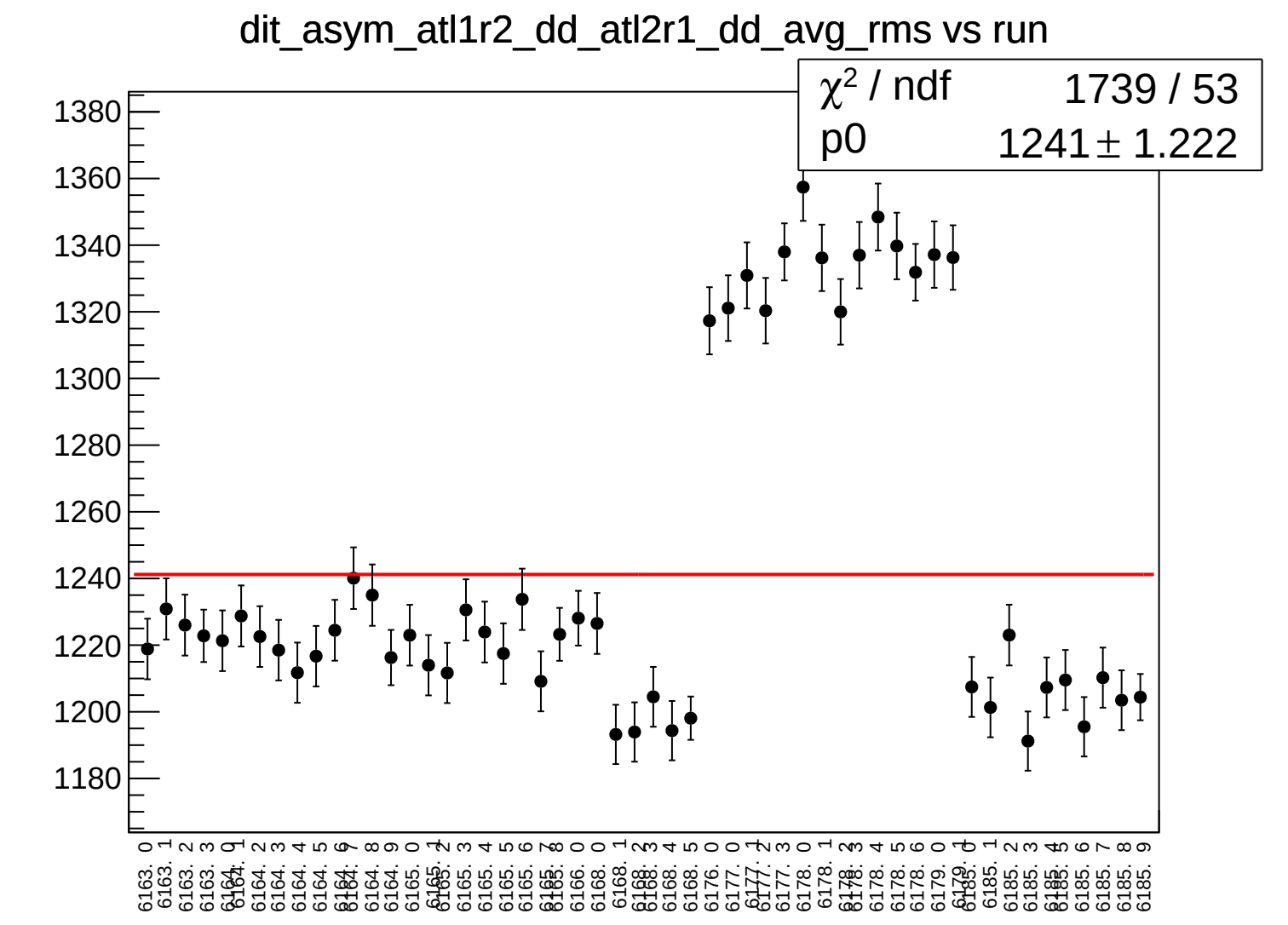

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_mean vs run
χ² / ndf 55.47 / 53
p0 2194 ± 1370
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 9.021
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

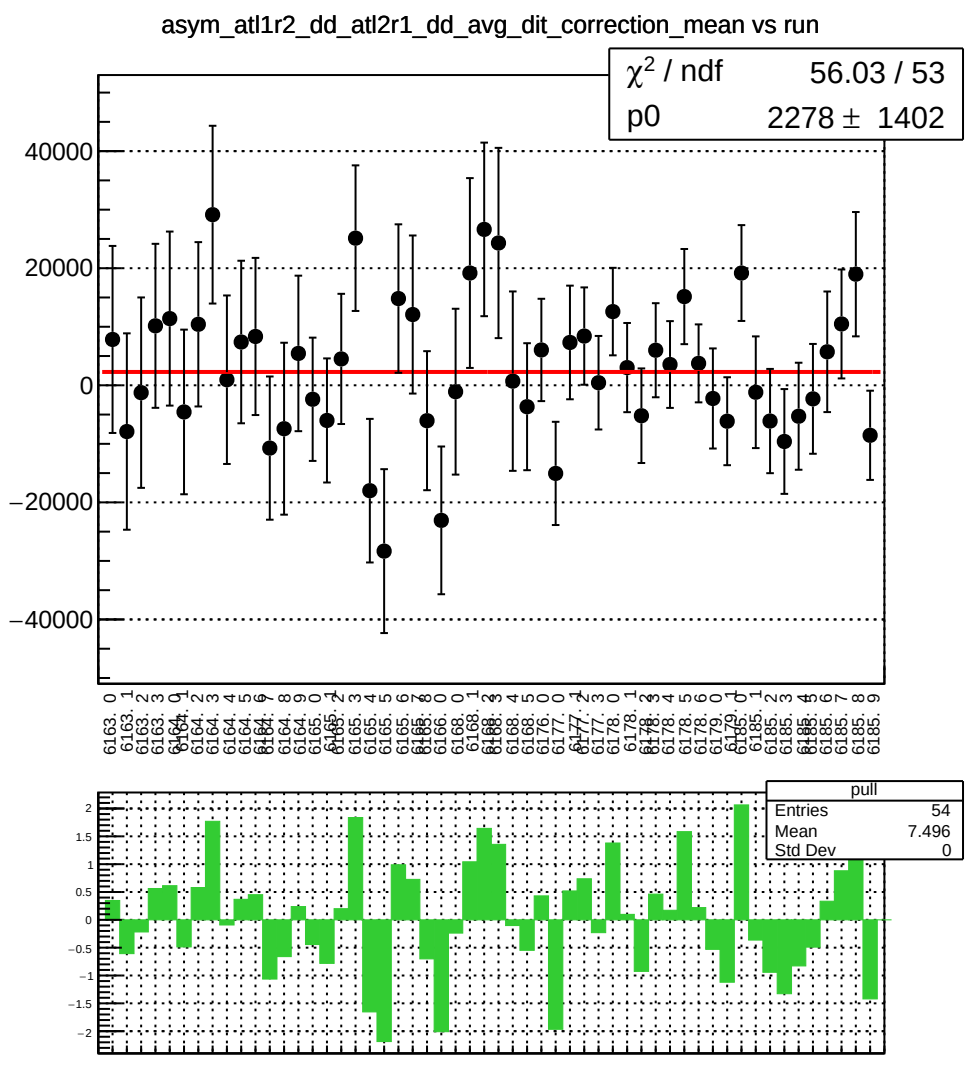

pull1D
Entries 54
Mean 0.02451
Std Dev 1.013
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

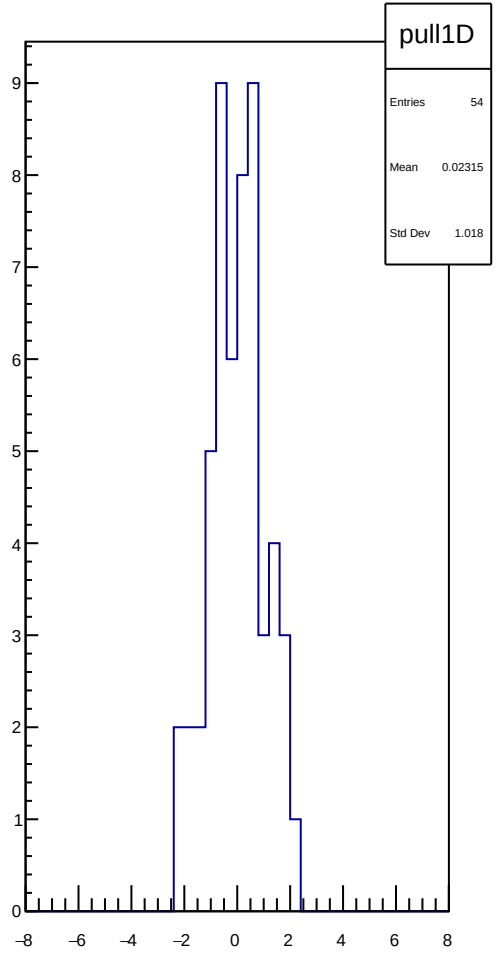

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 7.326e+04 / 53
p0 948.7 ± 0.9684
1600
1400
1200
1000
800
600
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

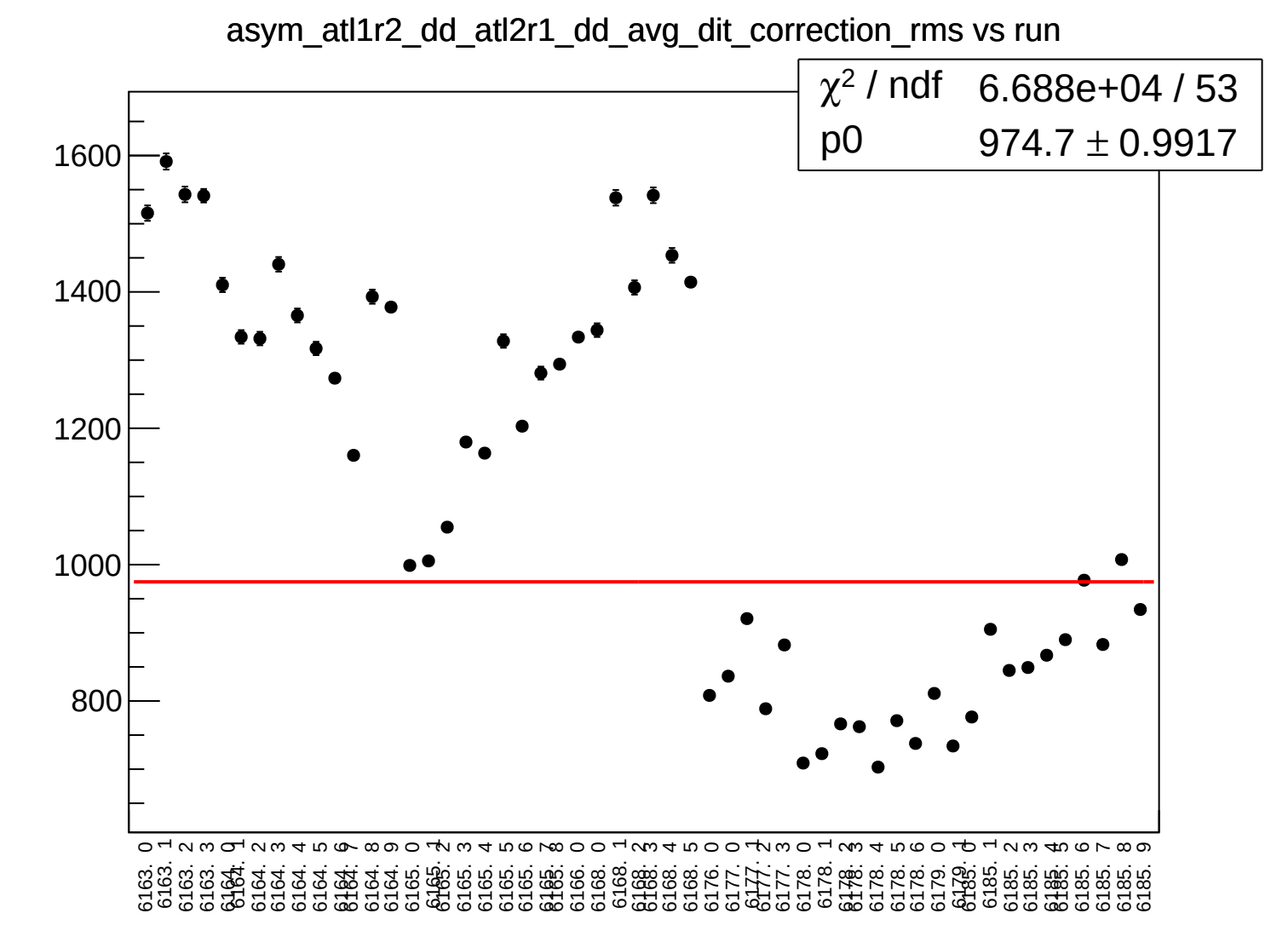

dit_asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 46.51 / 53
p0 −1469 ± 1729
pull
Entries 54
Mean 2951
Std Dev 0

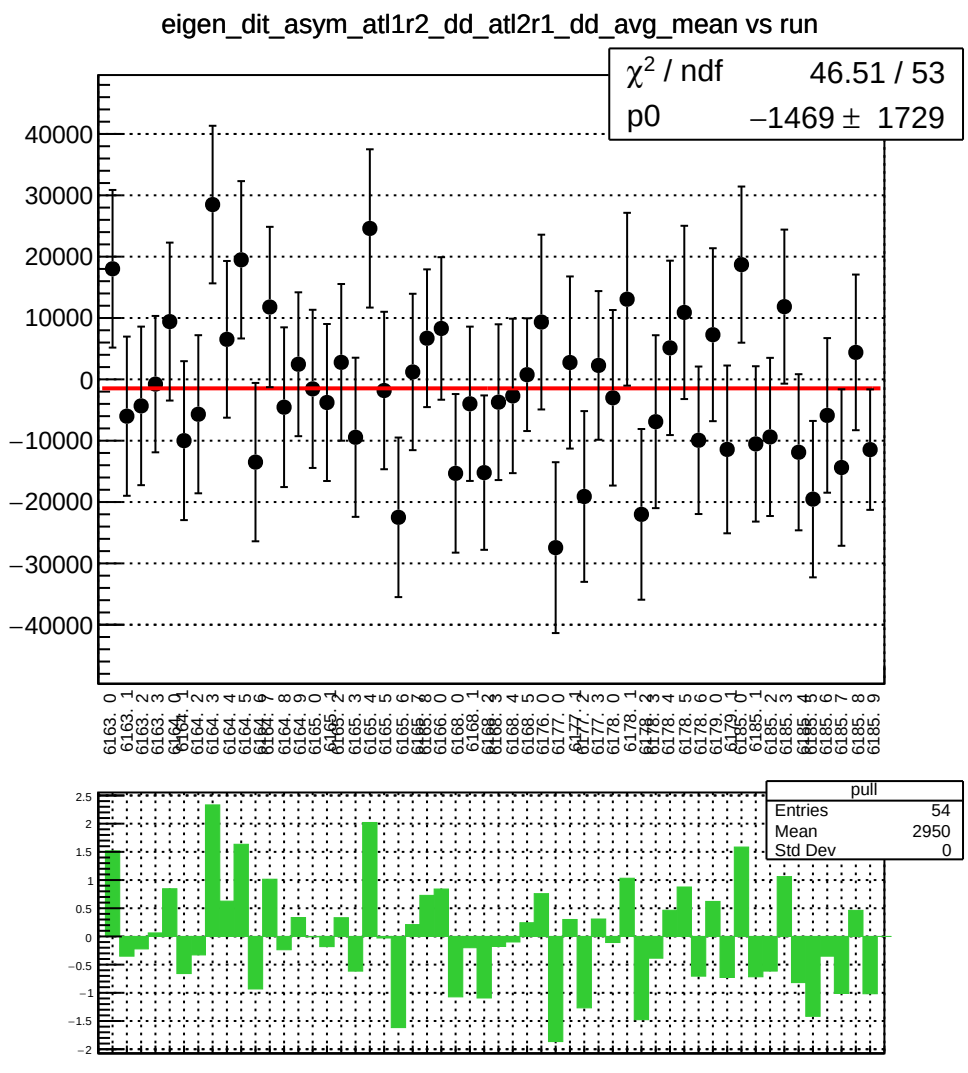

pull1D
Entries 54
Mean −0.001314
Std Dev 0.9281

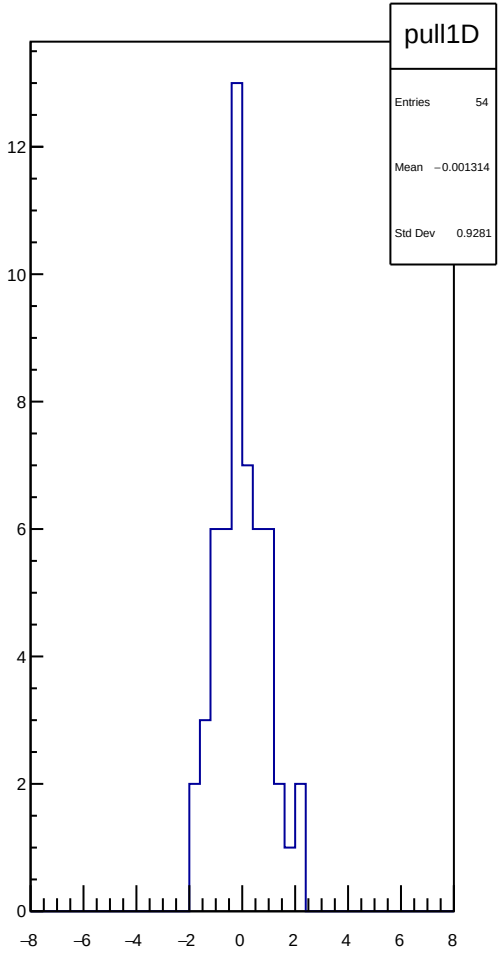

dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ² / ndf 1739 / 53
p0 1241 ± 1.222
1380
1360
1340
1320
1300
1280
1260
1240
1220
1200
1180
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

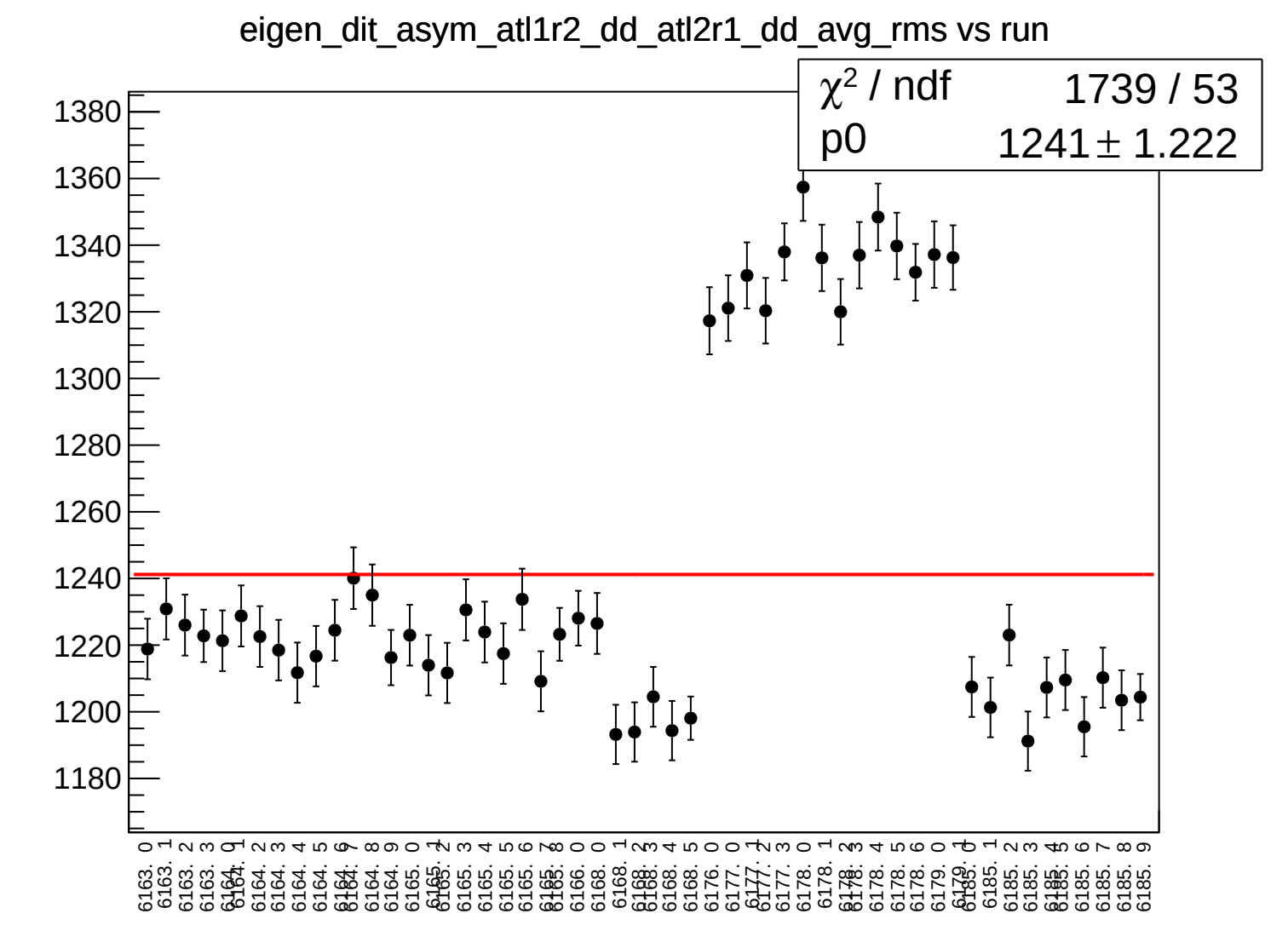

asym_atl1r2_dd_atl2r1_dd_avg_dit_correction_mean vs run
χ² / ndf 56.03 / 53
p0 2278 ± 1402
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 7.496
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

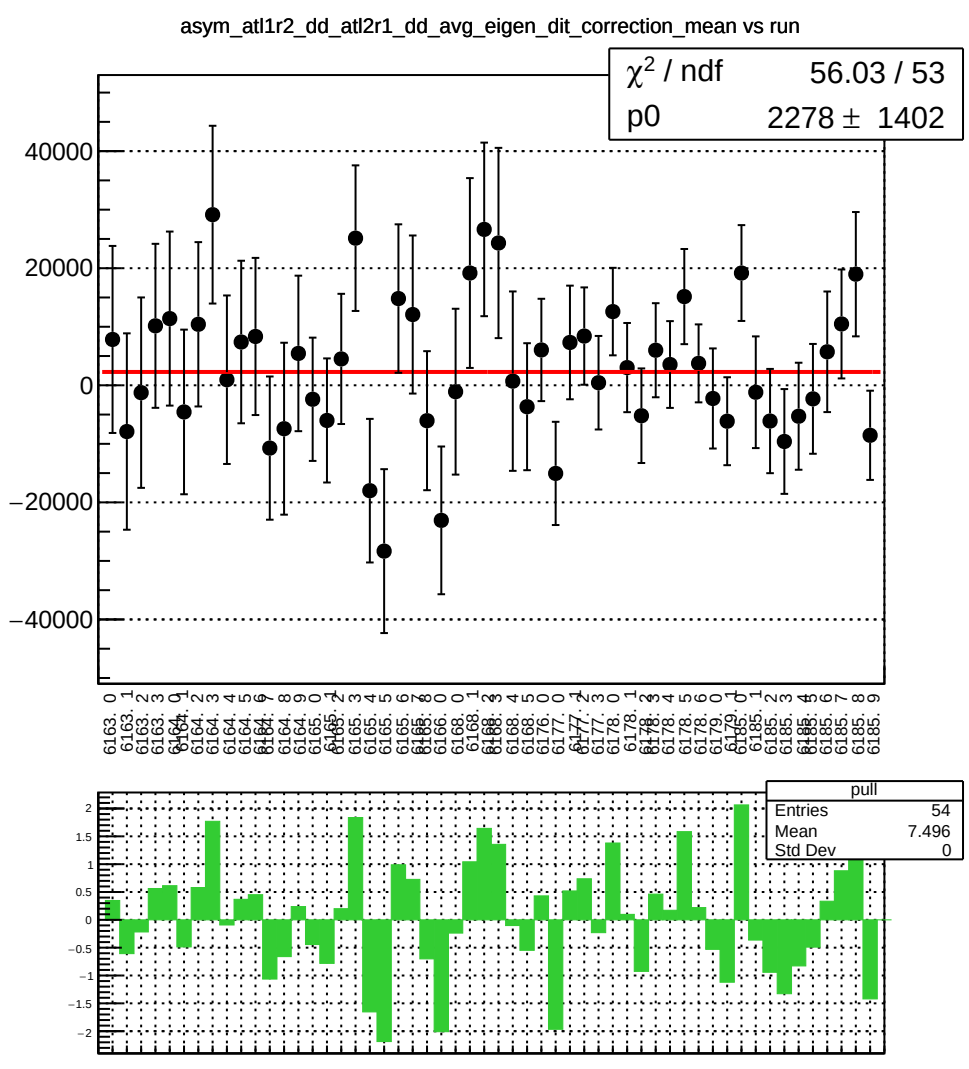

pull1D
Entries 54
Mean 0.02315
Std Dev 1.018
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

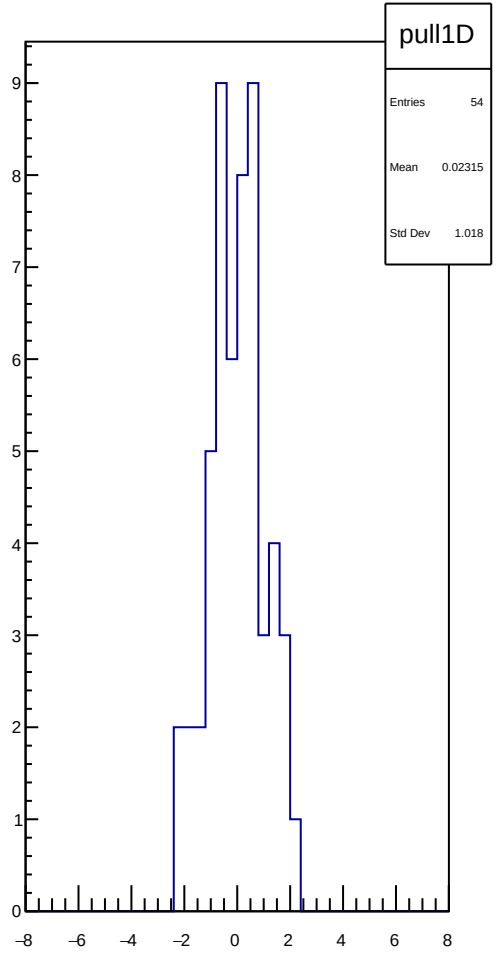

asym_atl1r2_dd_atl2r1_dd_avg_dit_correction_rms vs run
χ² / ndf 6.688e+04 / 53
p0 974.7 ± 0.9917
1600
1400
1200
1000
800
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

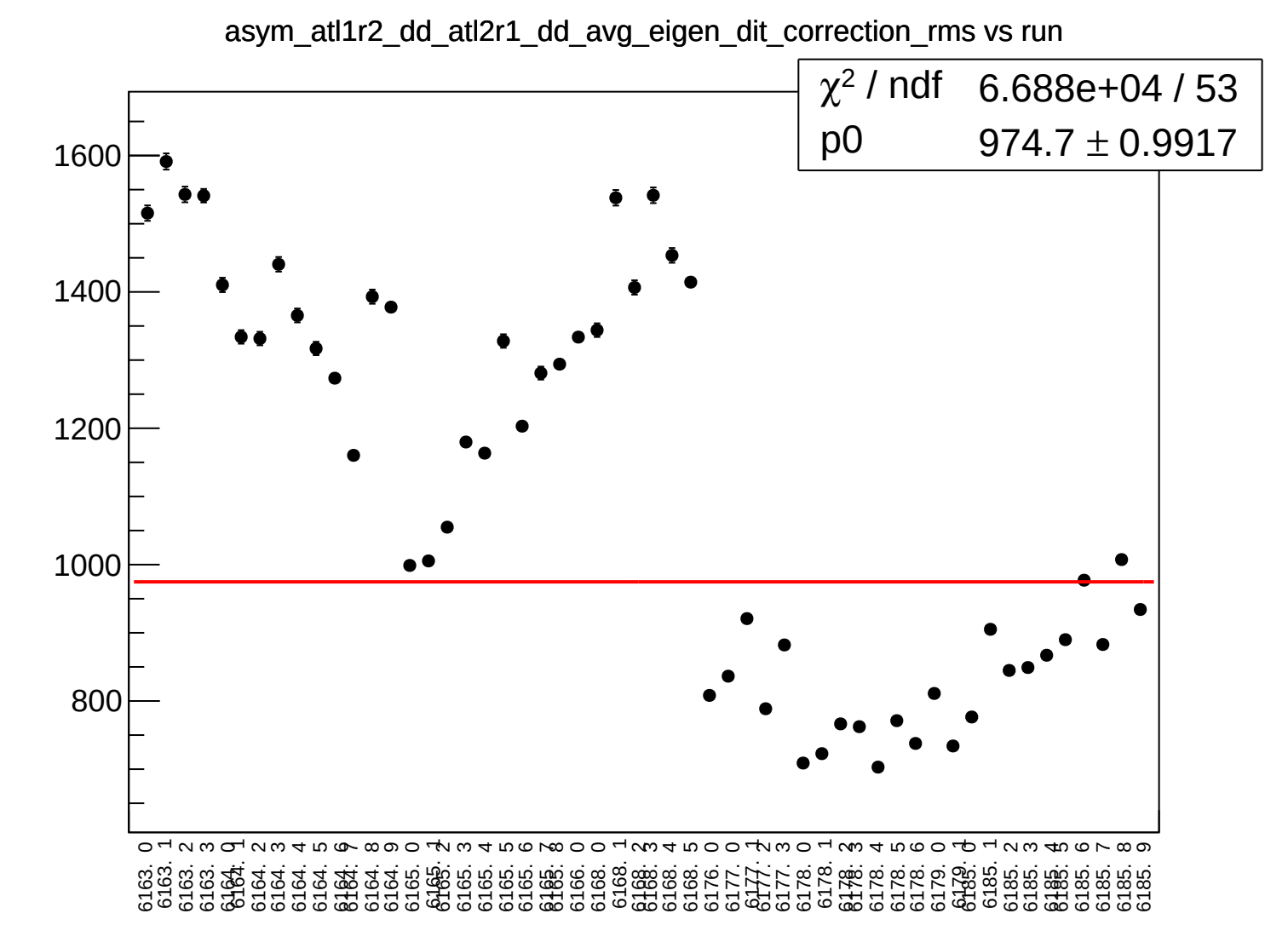

eigen_dit_asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 46.51 / 53
p0 −1469 ± 1729
pull
Entries 54
Mean 2950
Std Dev 0

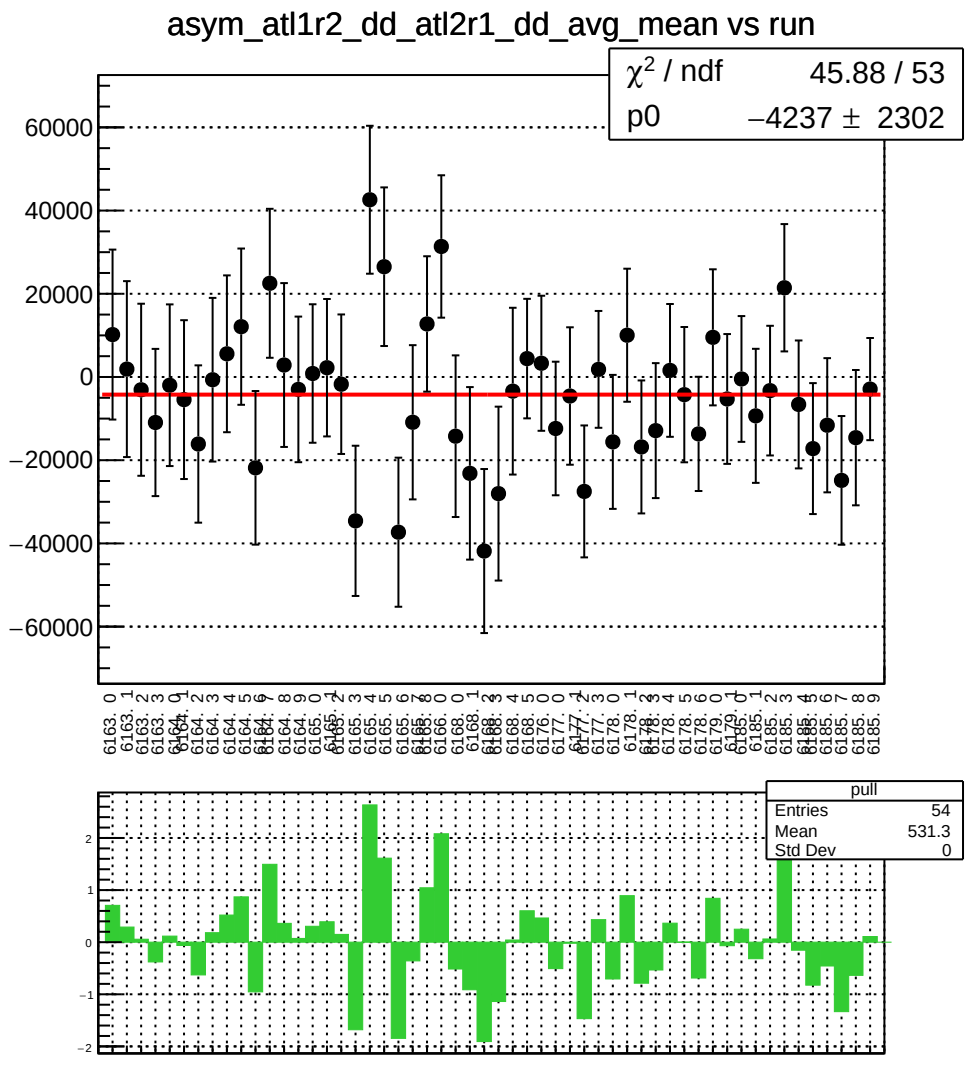

pull1D
Entries 54
Mean −0.001314
Std Dev 0.9281

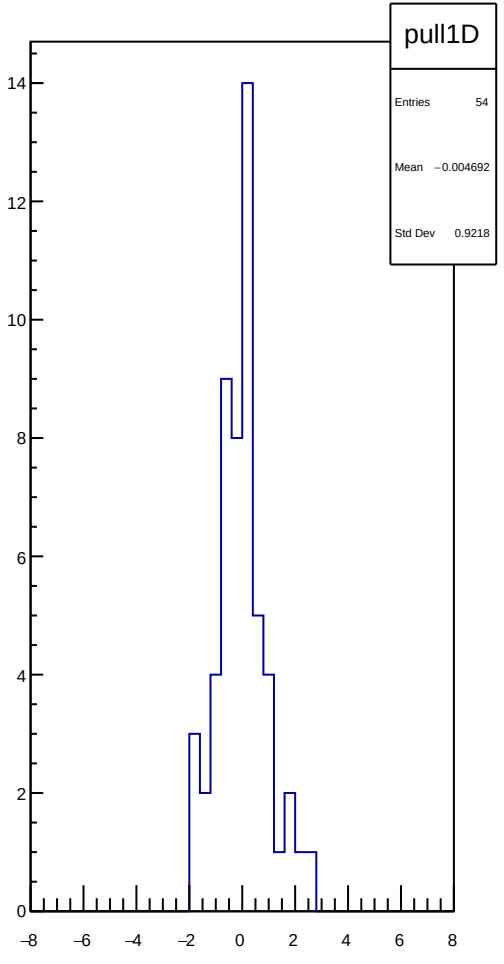

eigen_dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ² / ndf 1739 / 53
p0 1241 ± 1.222
1380
1360
1340
1320
1300
1280
1260
1240
1220
1200
1180
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

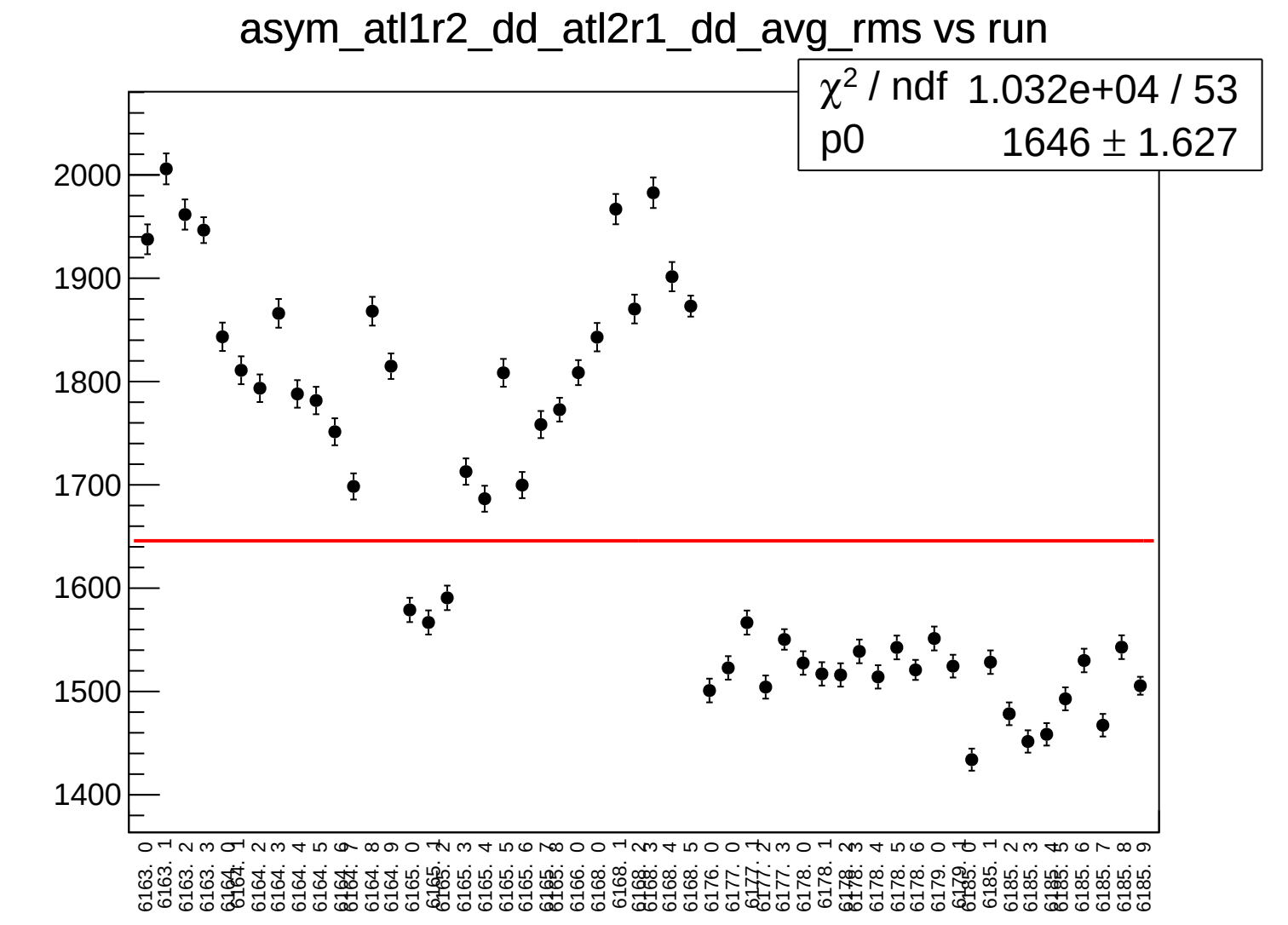

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_mean vs run
χ² / ndf 56.03 / 53
p0 2278 ± 1402
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 7.496
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

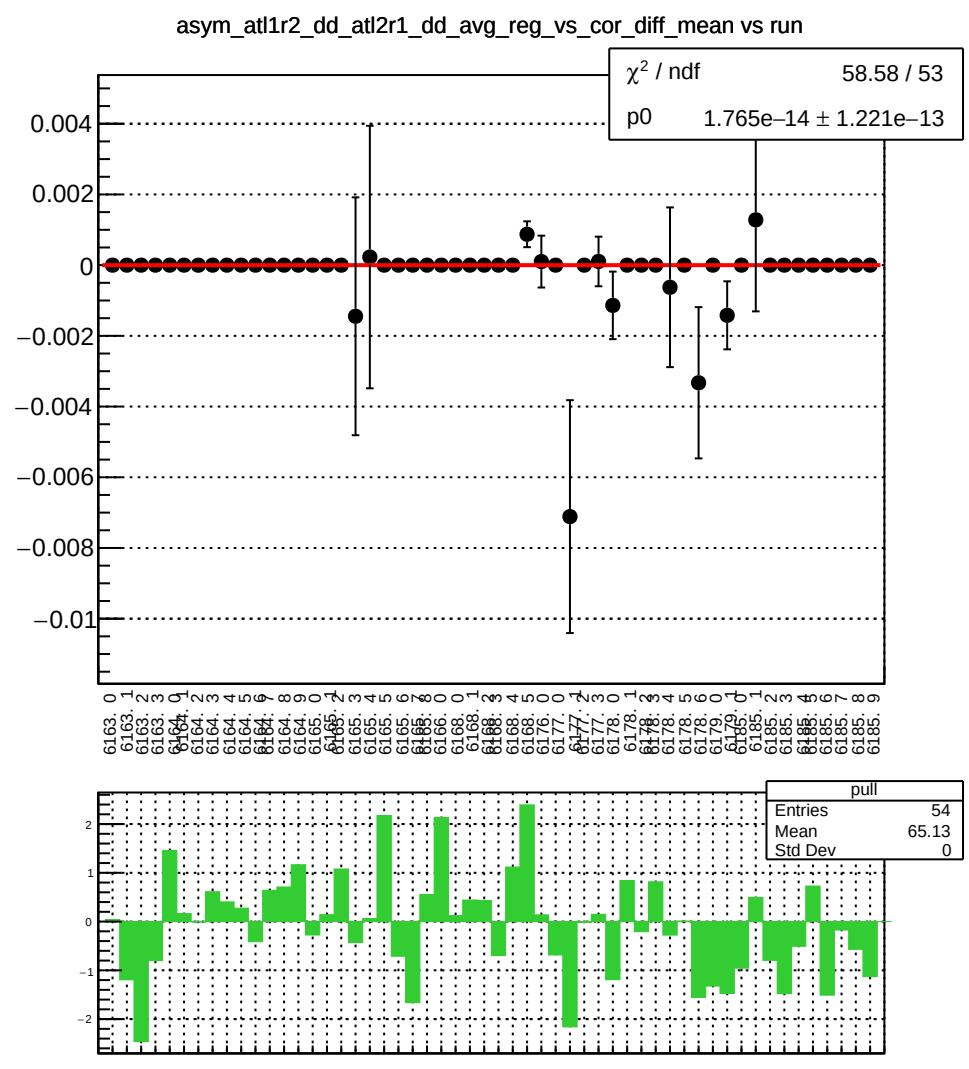

pull1D
Entries 54
Mean 0.02315
Std Dev 1.018
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

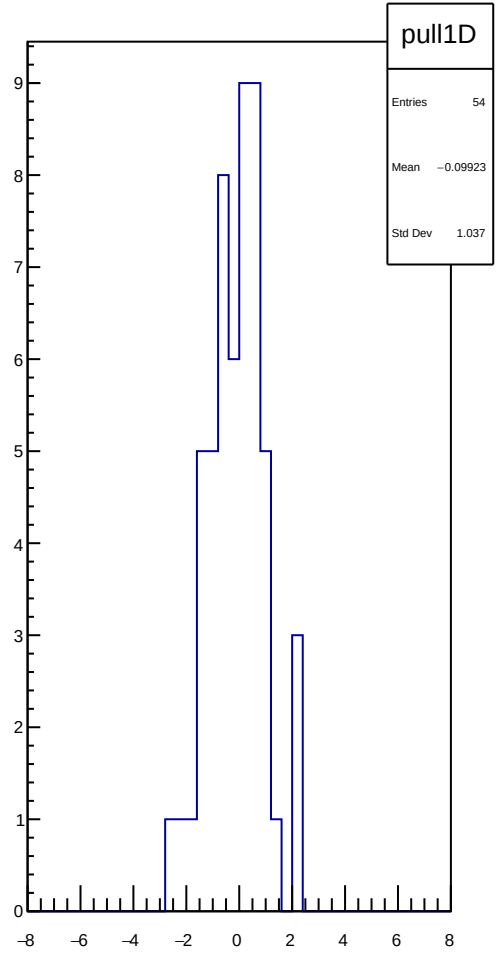

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 6.688e+04 / 53
p0 974.7 ± 0.9917
1600
1400
1200
1000
800
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

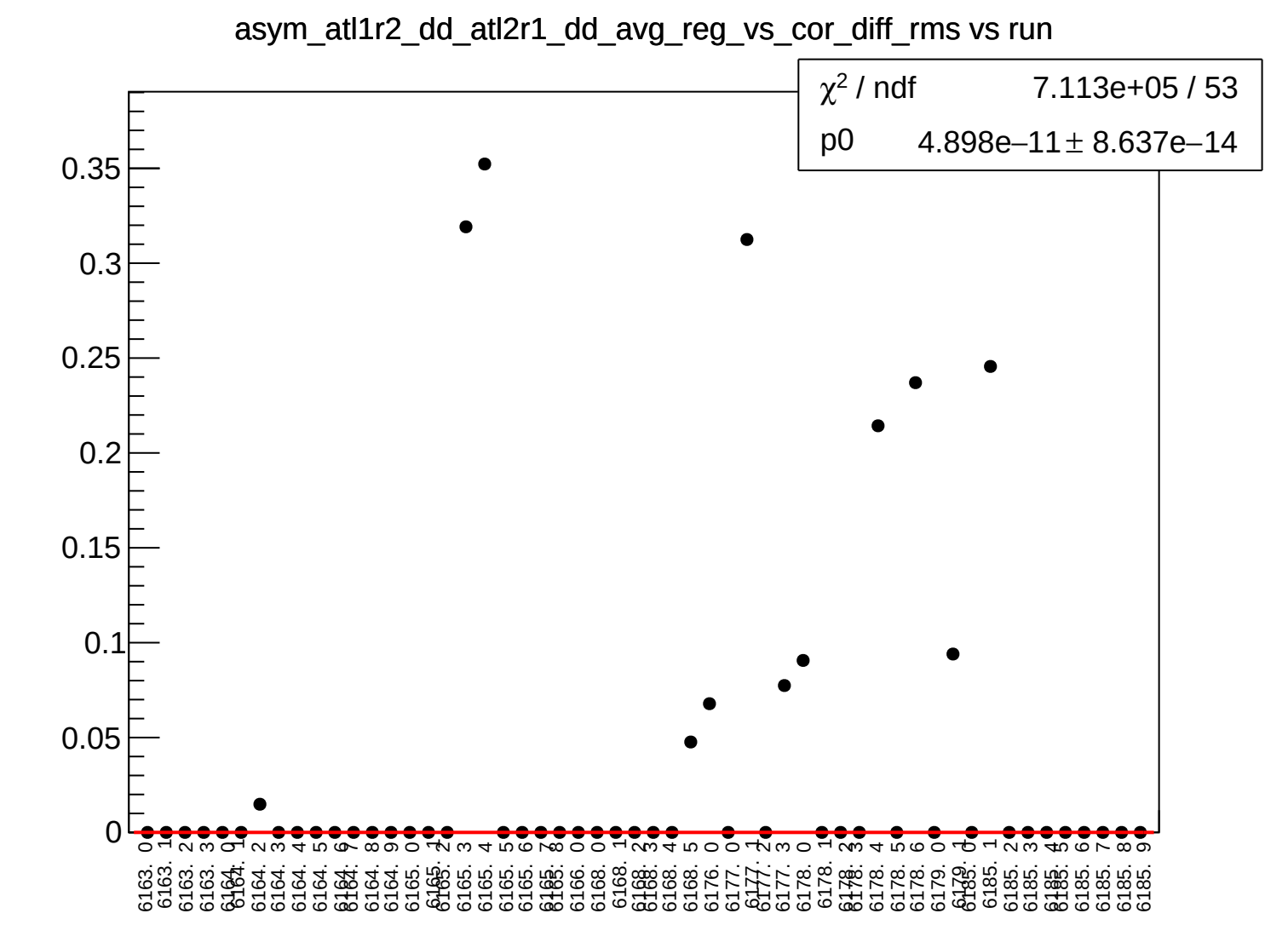

asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 45.88 / 53
p0 −4237 ± 2302
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 531.3
Std Dev 0
2
1
0
−1
−2

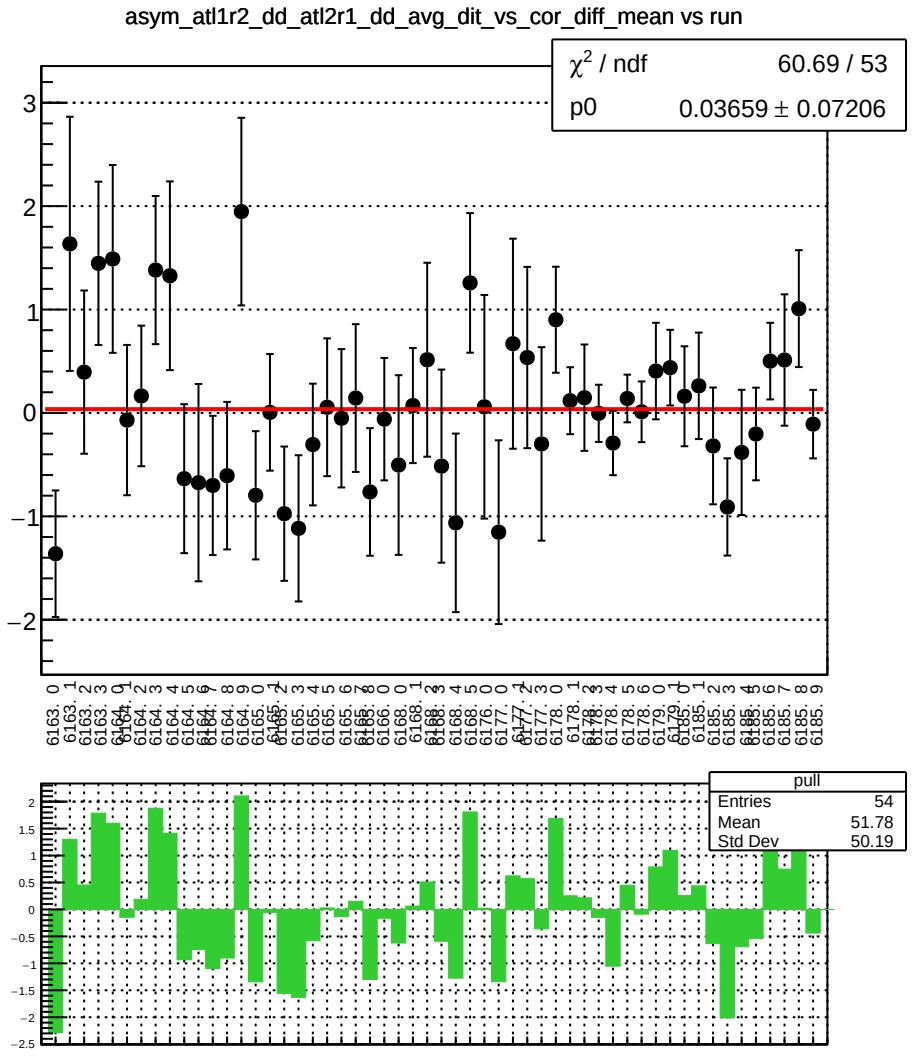

pull1D
Entries 54
Mean −0.004692
Std Dev 0.9218
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

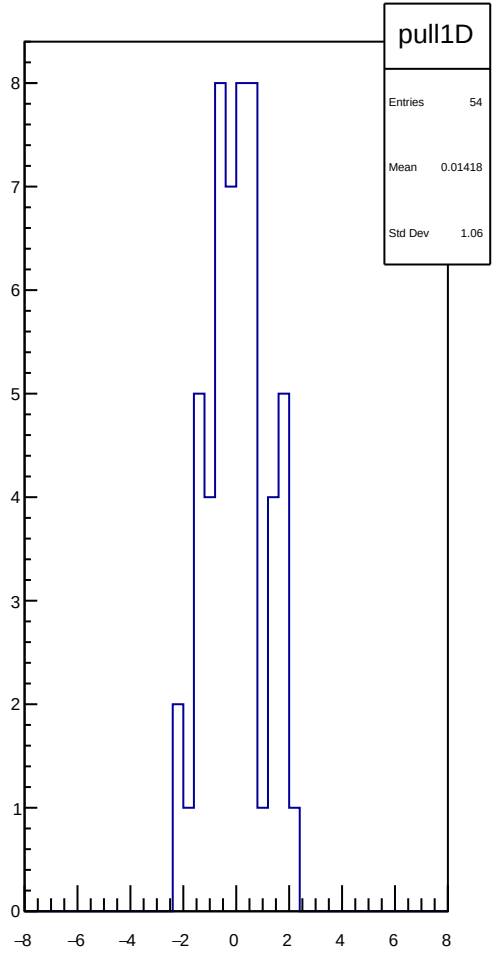

asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ² / ndf 1.032e+04 / 53
p0 1646 ± 1.627
2000
1900
1800
1700
1600
1500
1400
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

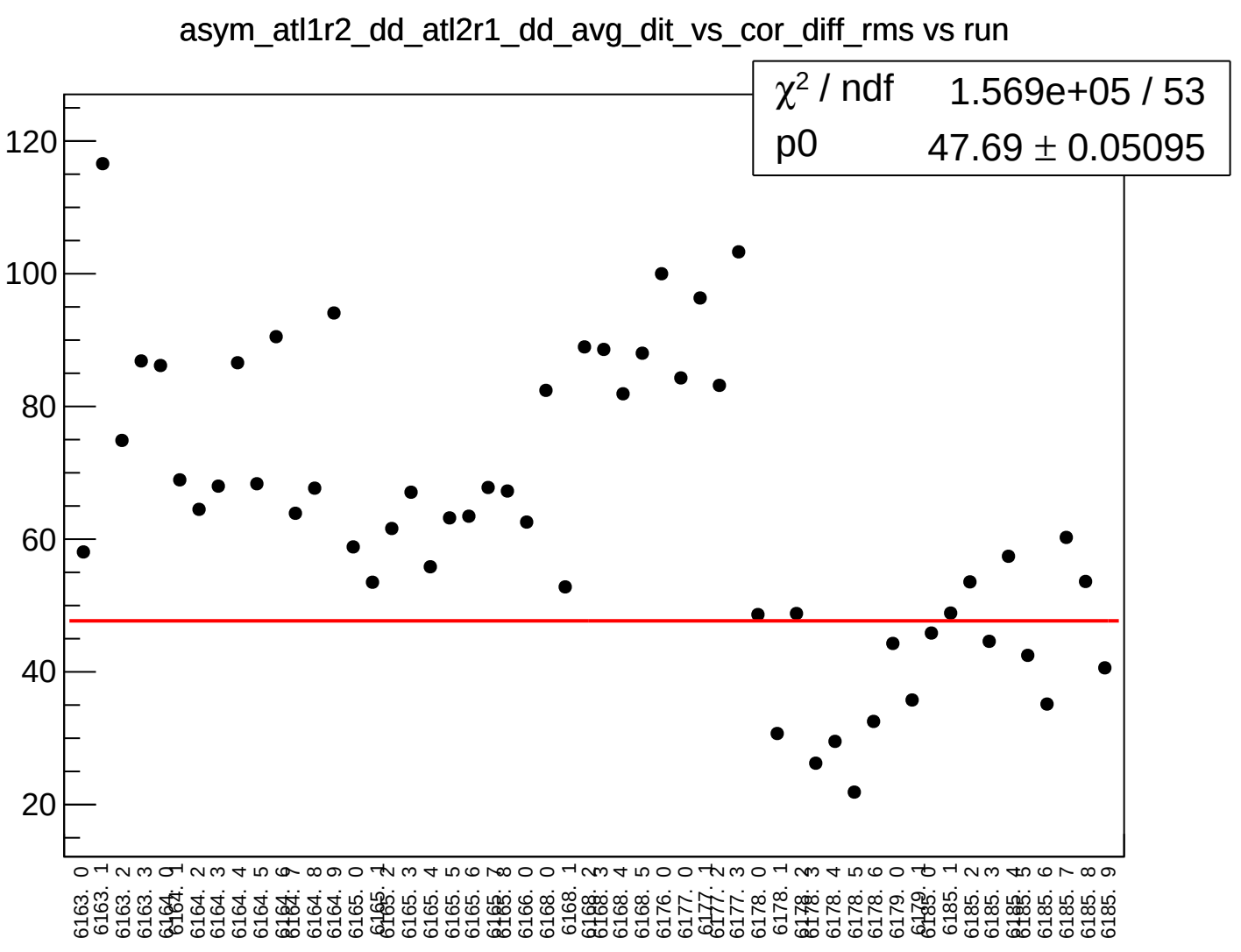

asym_atl1r2_dd_atl2r1_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 58.58 / 53
p0 1.765e−14 ± 1.221e−13
pull
Entries 54
Mean 65.13
Std Dev 0

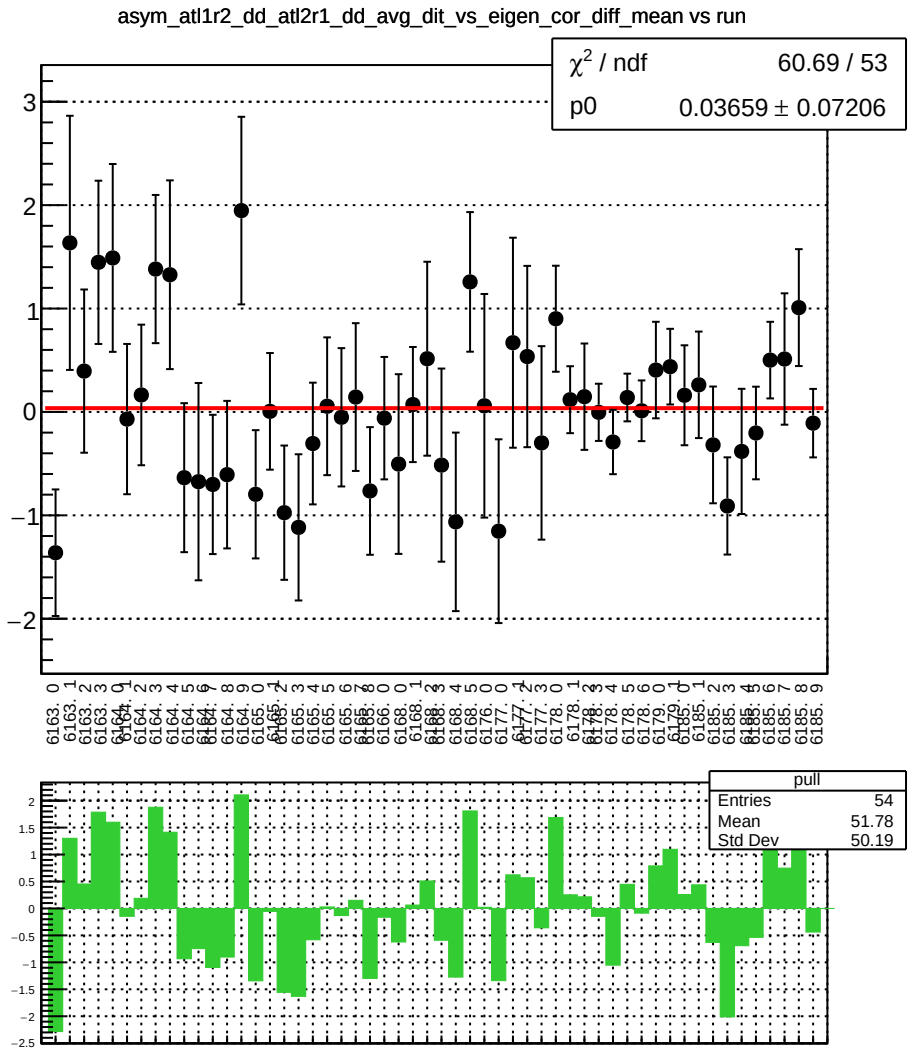

pull1D
Entries 54
Mean −0.09923
Std Dev 1.037

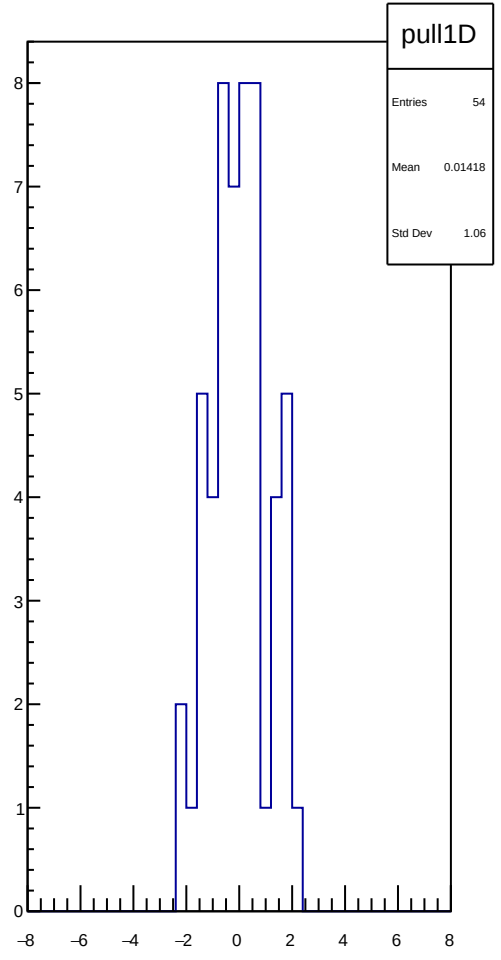

asym_atl1r2_dd_atl2r1_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 7.113e+05 / 53
p0 4.898e−11 ± 8.637e−14
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

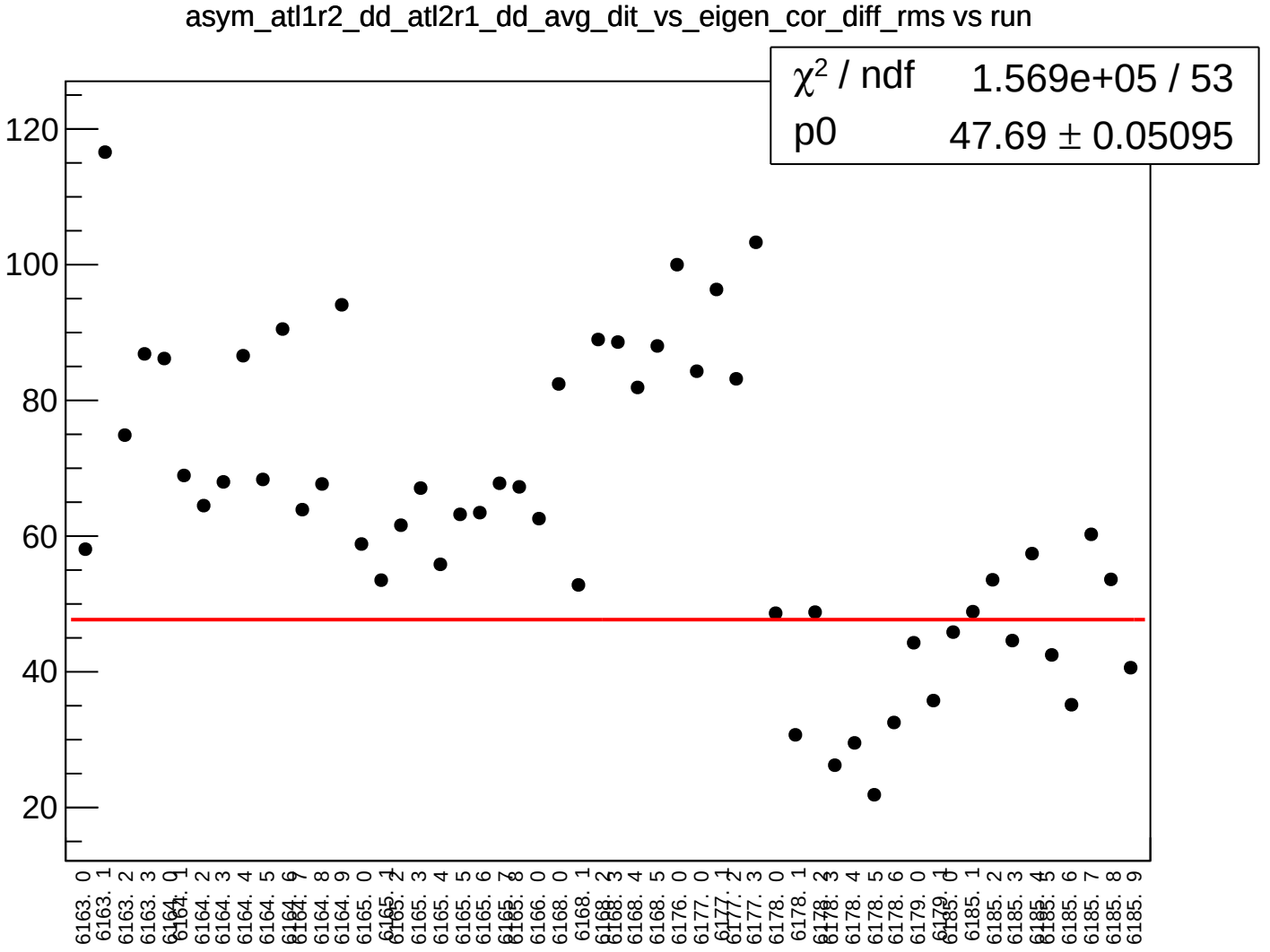

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 60.69 / 53
p0 0.03659 ± 0.07206
pull
Entries 54
Mean 51.78
Std Dev 50.19

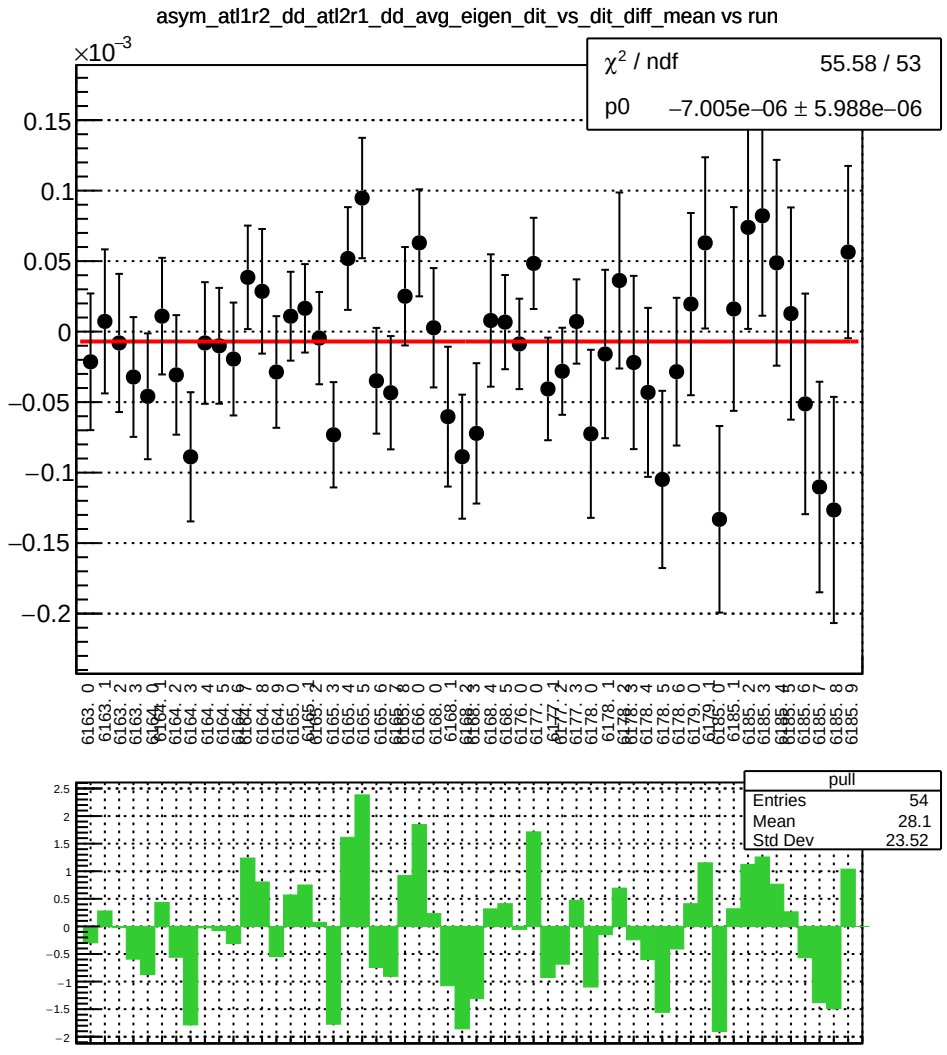

pull1D
Entries 54
Mean 0.01418
Std Dev 1.06

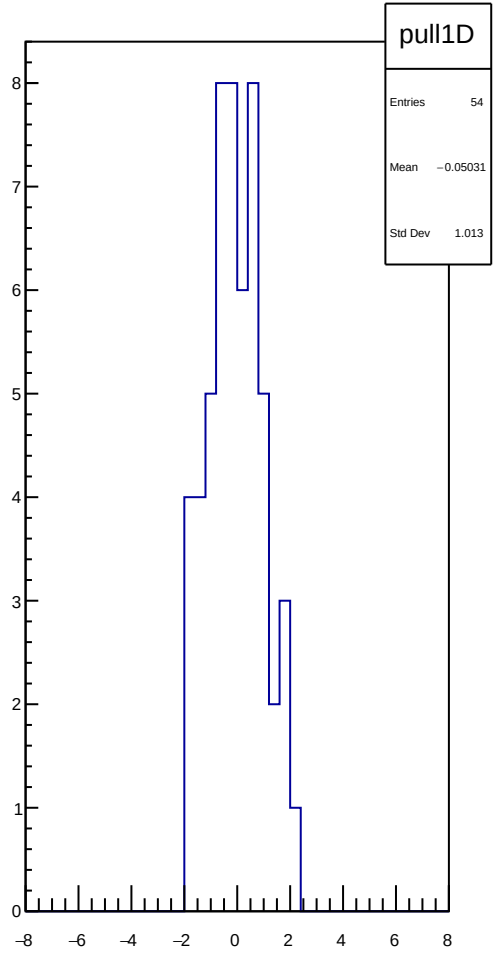

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.569e+05 / 53
p0 47.69 ± 0.05095
120
100
80
60
40
20
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

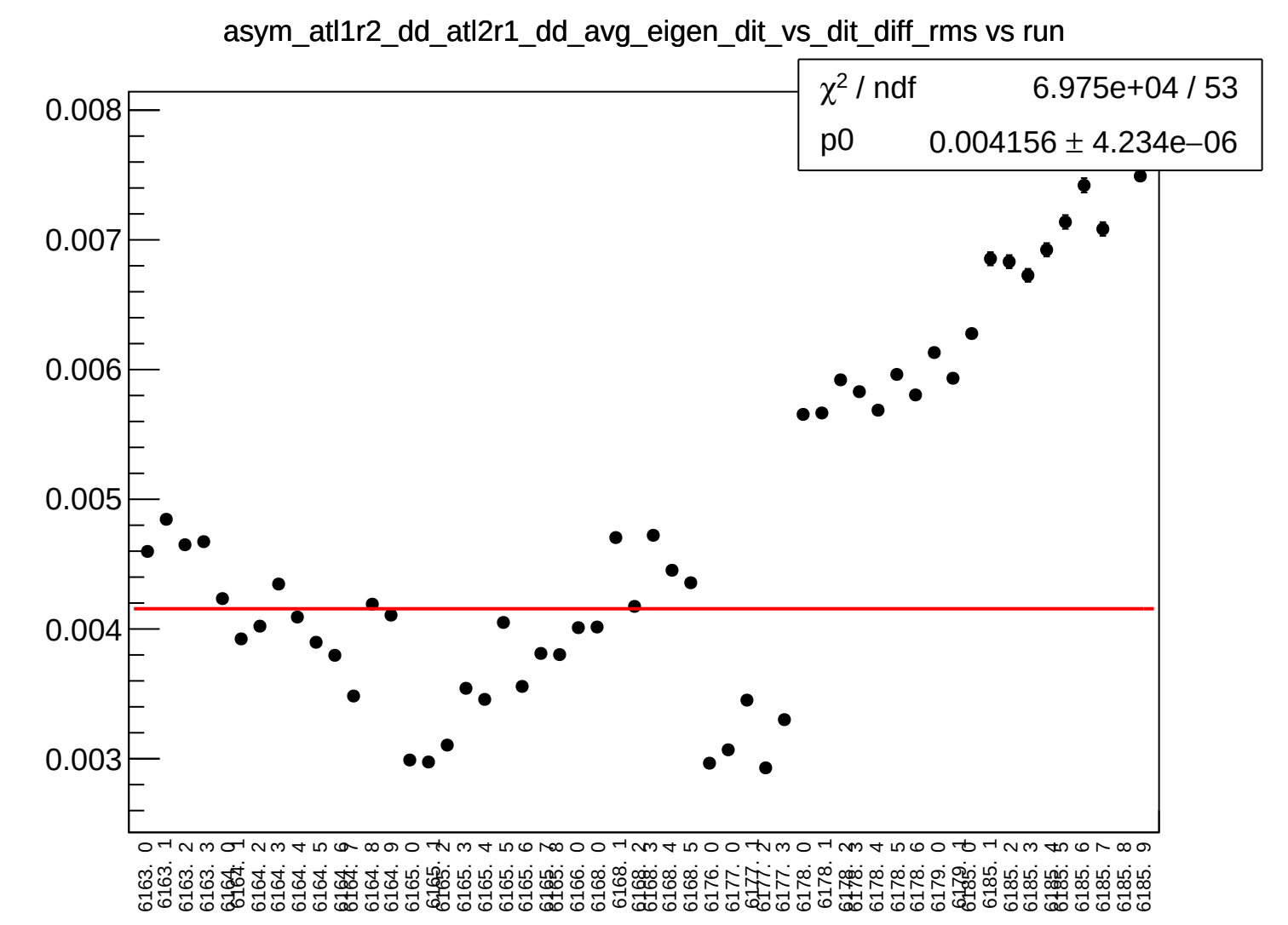

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 60.69 / 53
p0 0.03659 ± 0.07206
pull
Entries 54
Mean 51.78
Std Dev 50.19

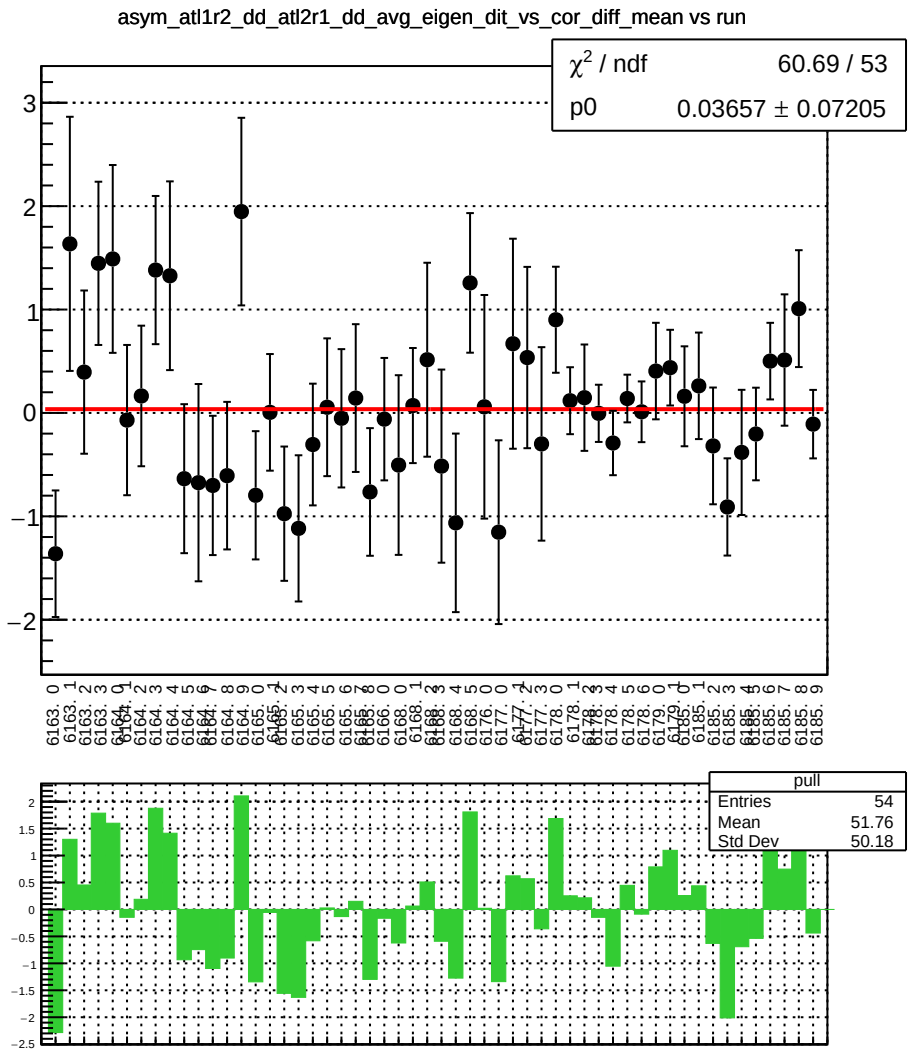

pull1D
Entries 54
Mean 0.01418
Std Dev 1.06

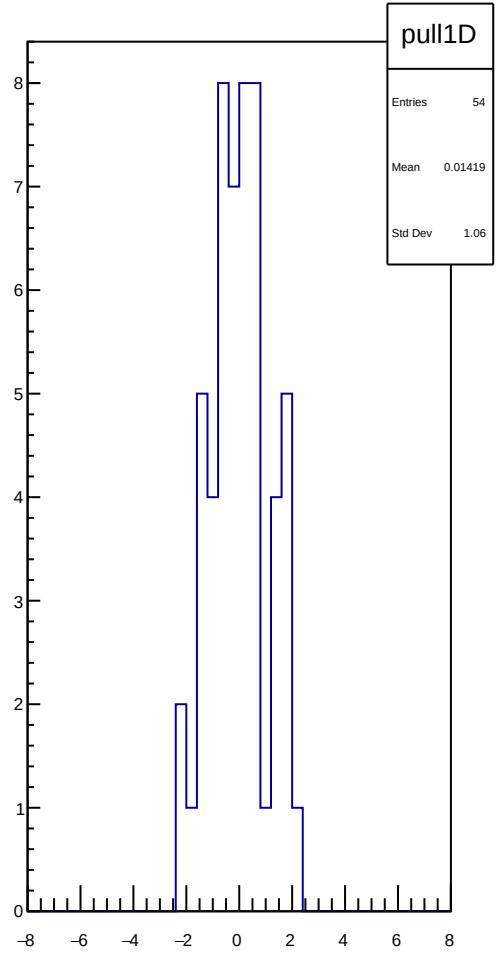

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 1.569e+05 / 53
p0 47.69 ± 0.05095
120
100
80
60
40
20
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

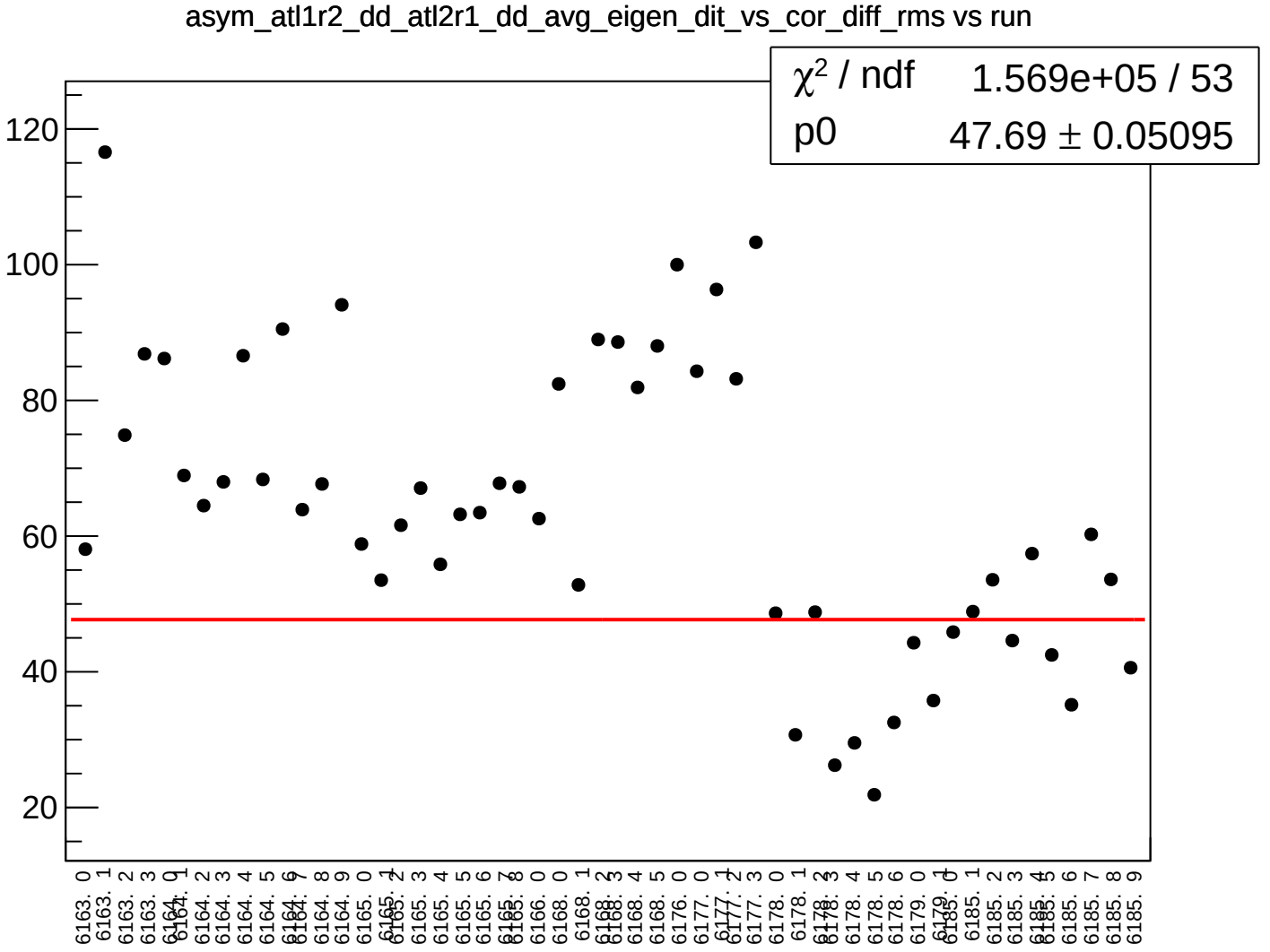

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 55.58 / 53
p0 −7.005e−06 ± 5.988e−06
pull
Entries 54
Mean 28.1
Std Dev 23.52

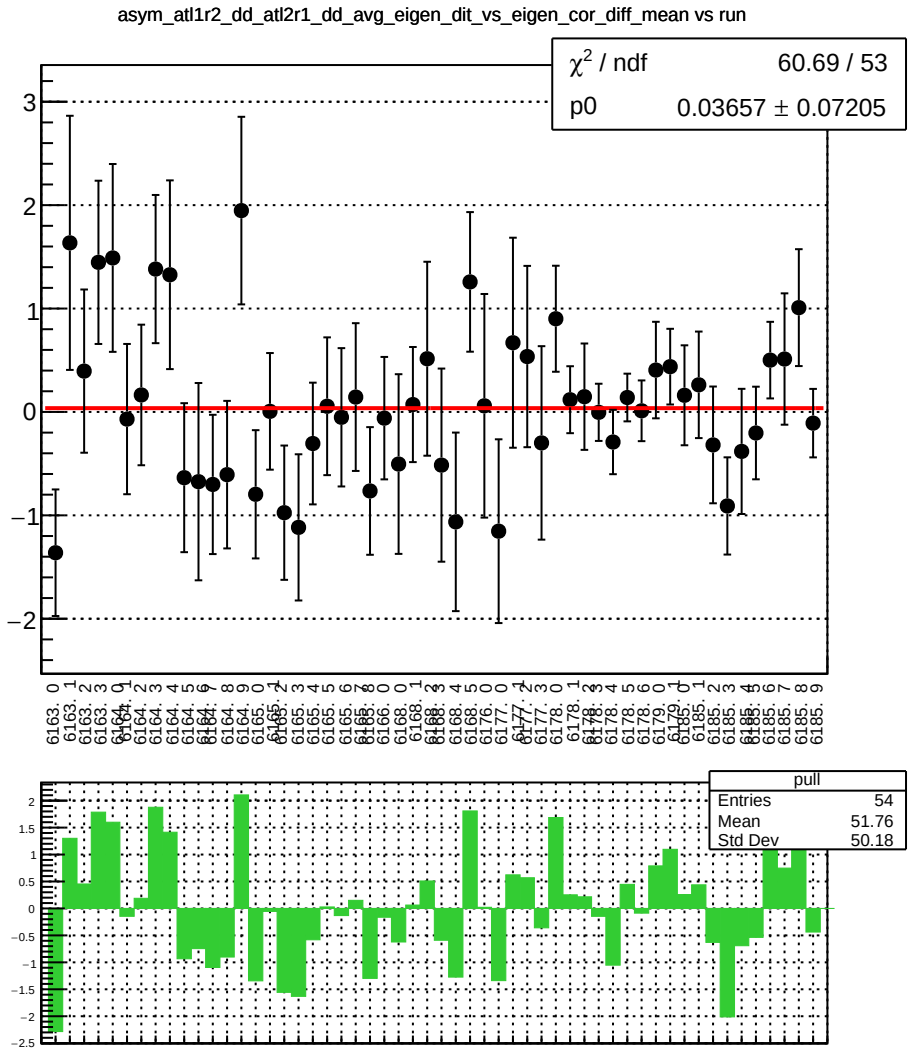

pull1D
Entries 54
Mean −0.05031
Std Dev 1.013

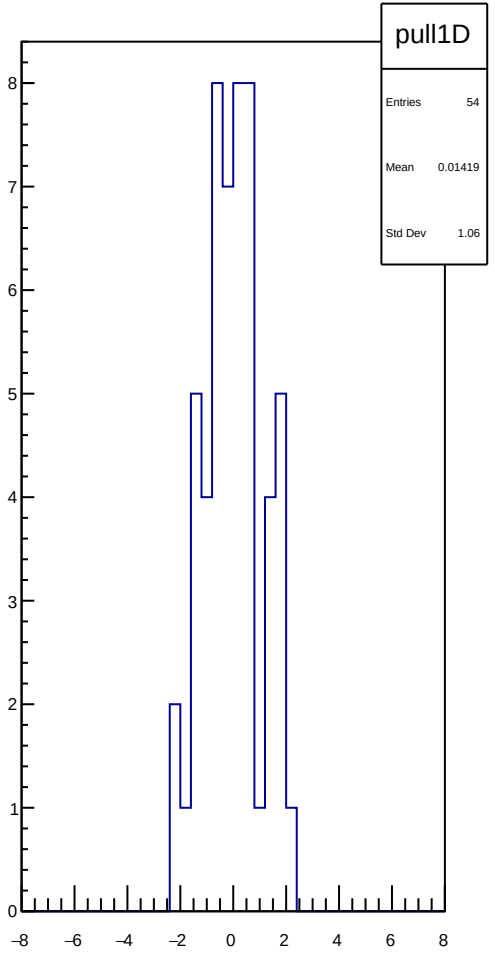

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 6.975e+04 / 53
p0 0.004156 ± 4.234e−06
0.008
0.007
0.006
0.005
0.004
0.003
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

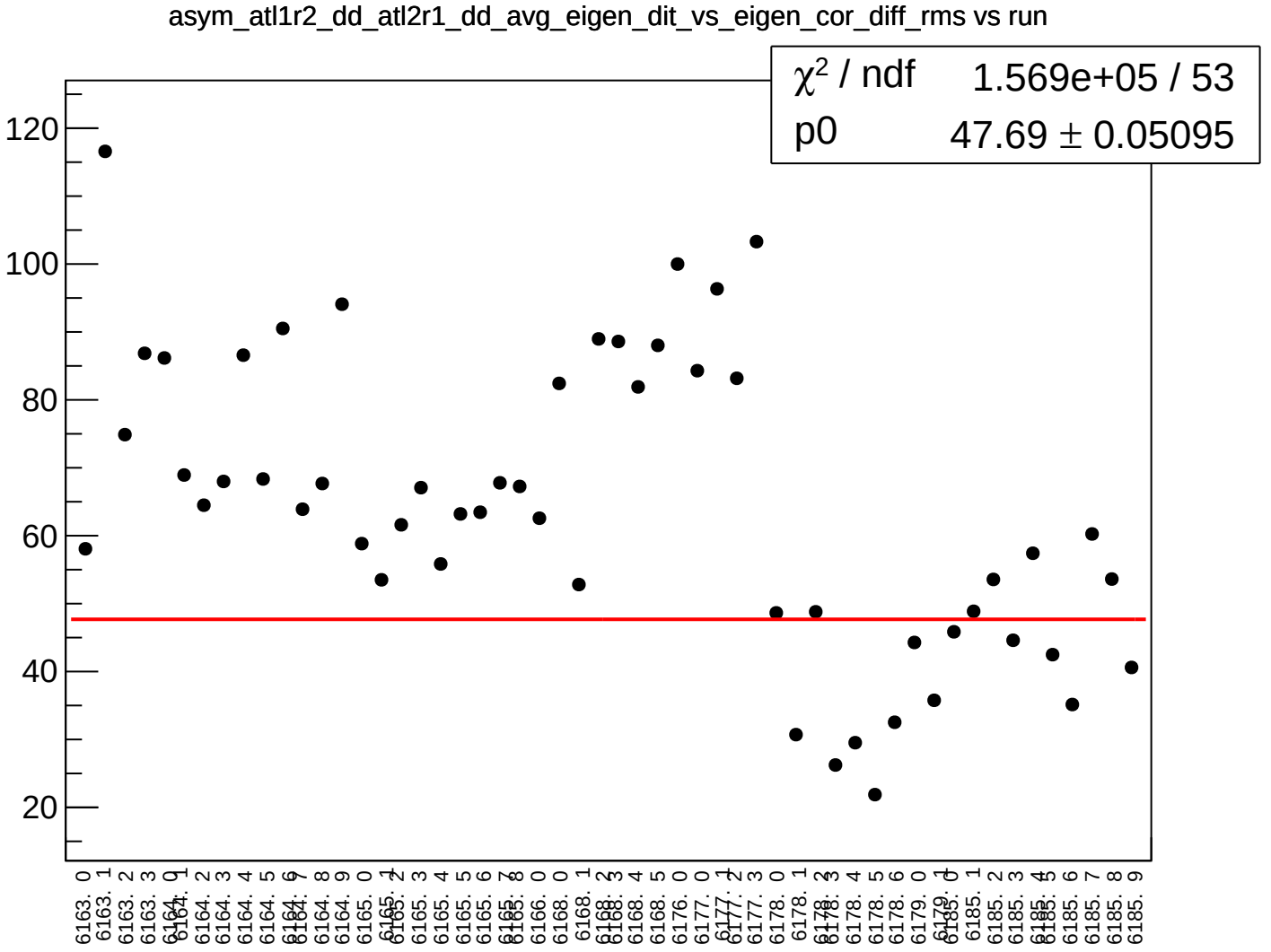

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 60.69 / 53
p0 0.03657 ± 0.07205
pull
Entries 54
Mean 51.76
Std Dev 50.18

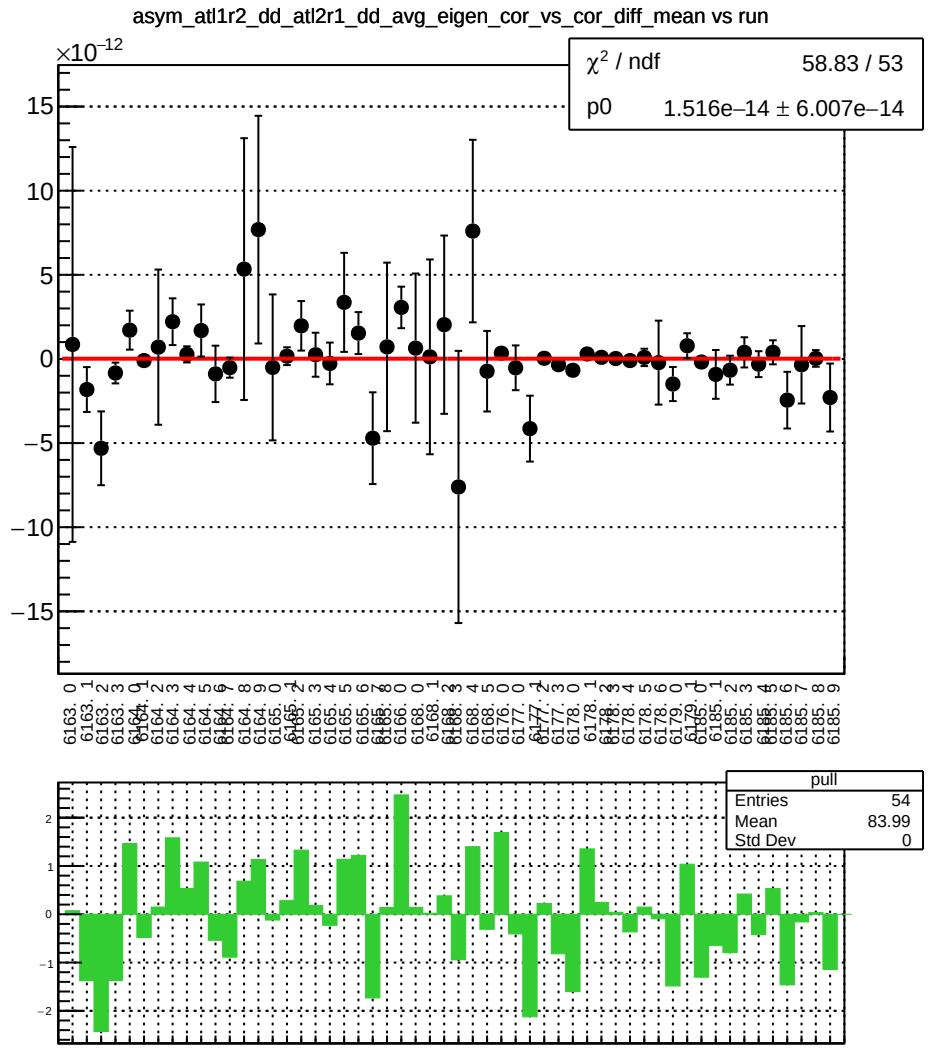

pull1D
Entries 54
Mean 0.01419
Std Dev 1.06

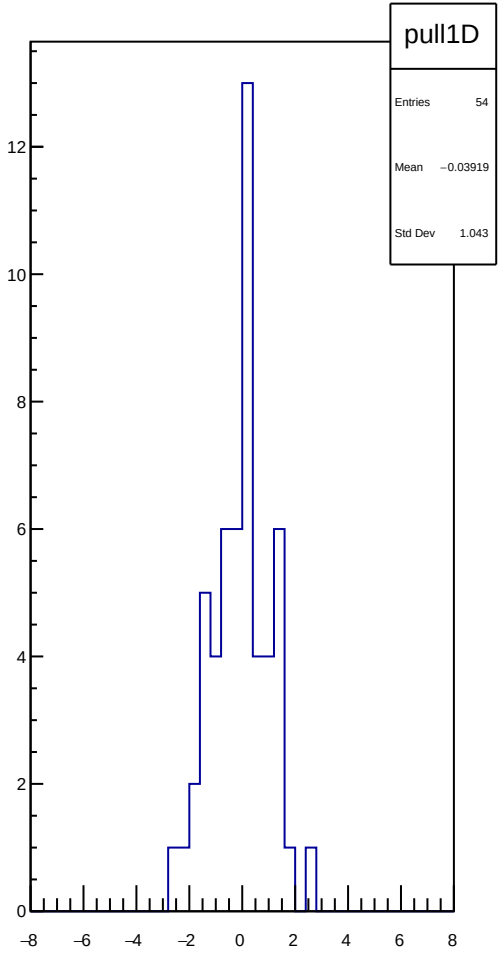

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.569e+05 / 53
p0 47.69 ± 0.05095
120
100
80
60
40
20
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

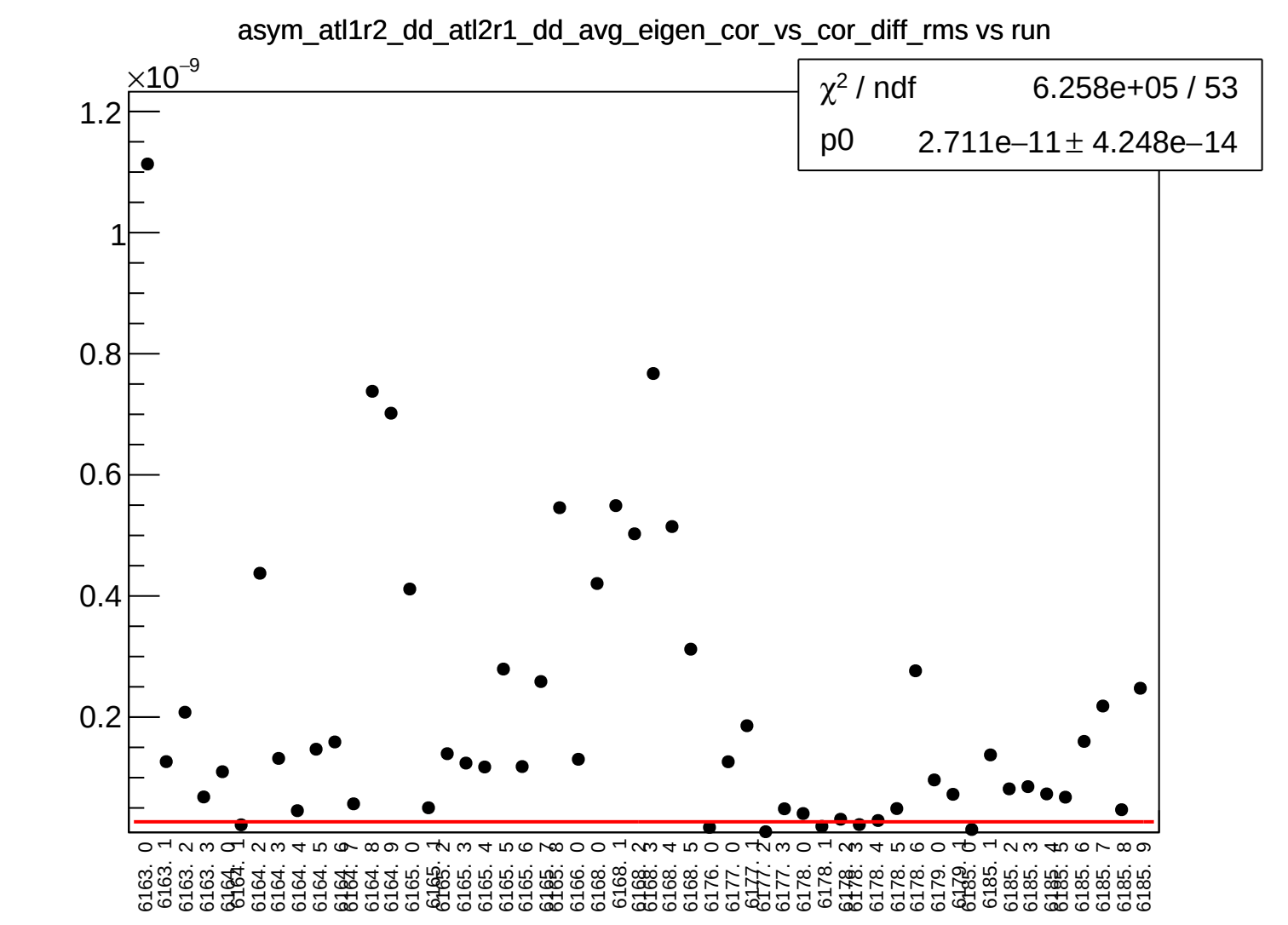

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 60.69 / 53
p0 0.03657 ± 0.07205
pull
Entries 54
Mean 51.76
Std Dev 50.18

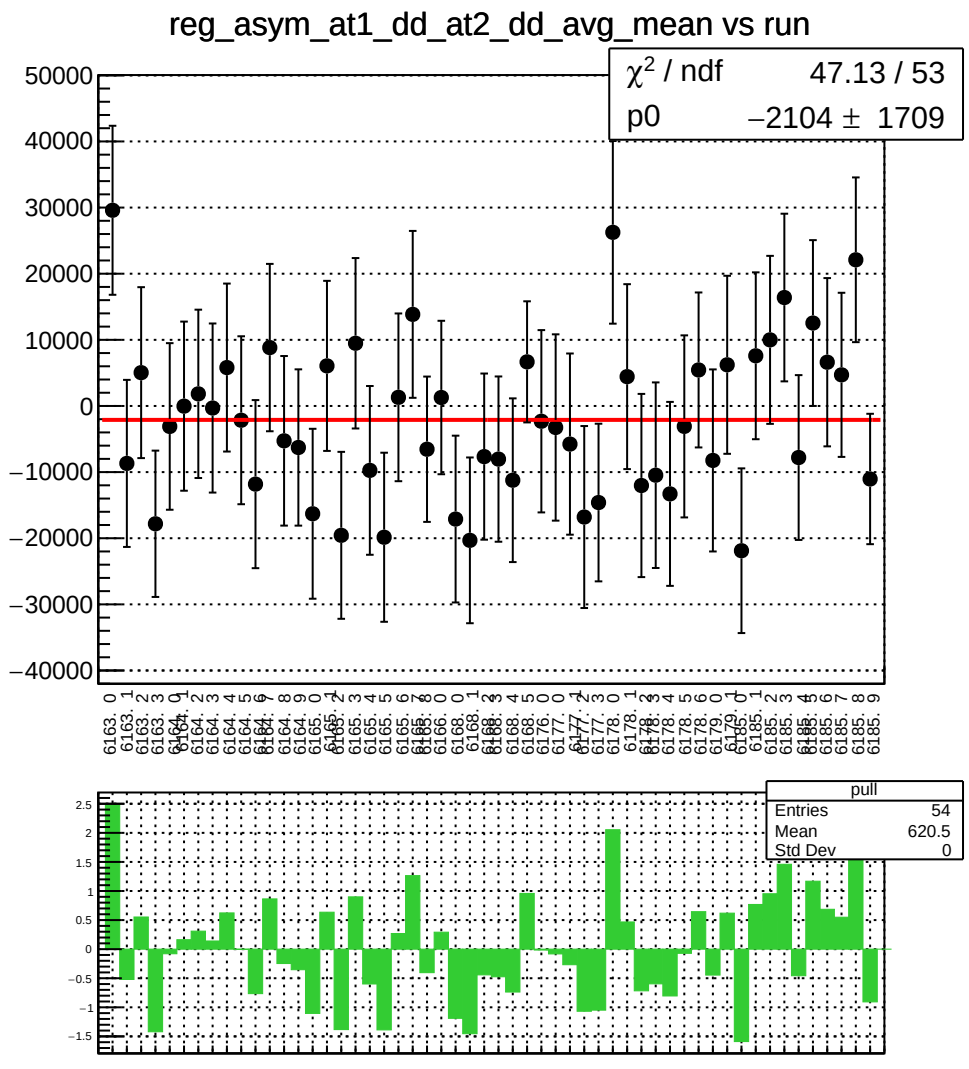

pull1D
Entries 54
Mean 0.01419
Std Dev 1.06

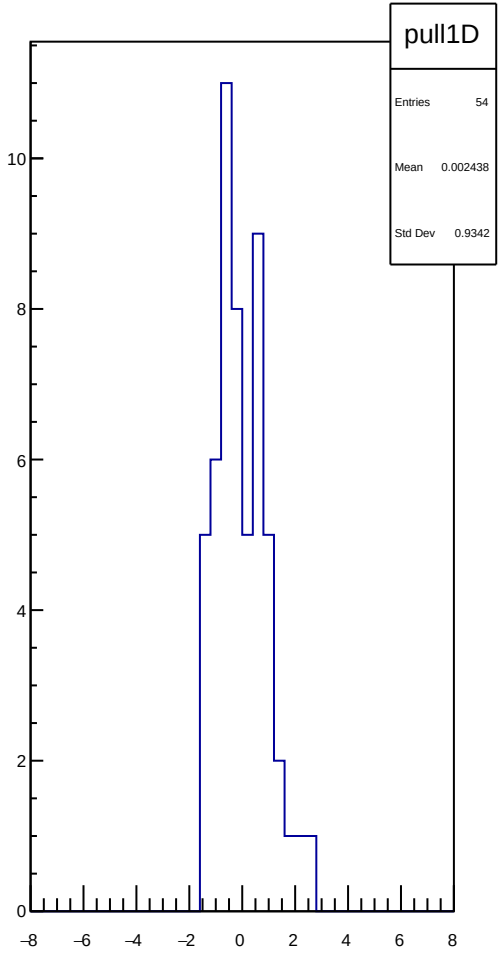

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.569e+05 / 53
p0 47.69 ± 0.05095
120
100
80
60
40
20
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

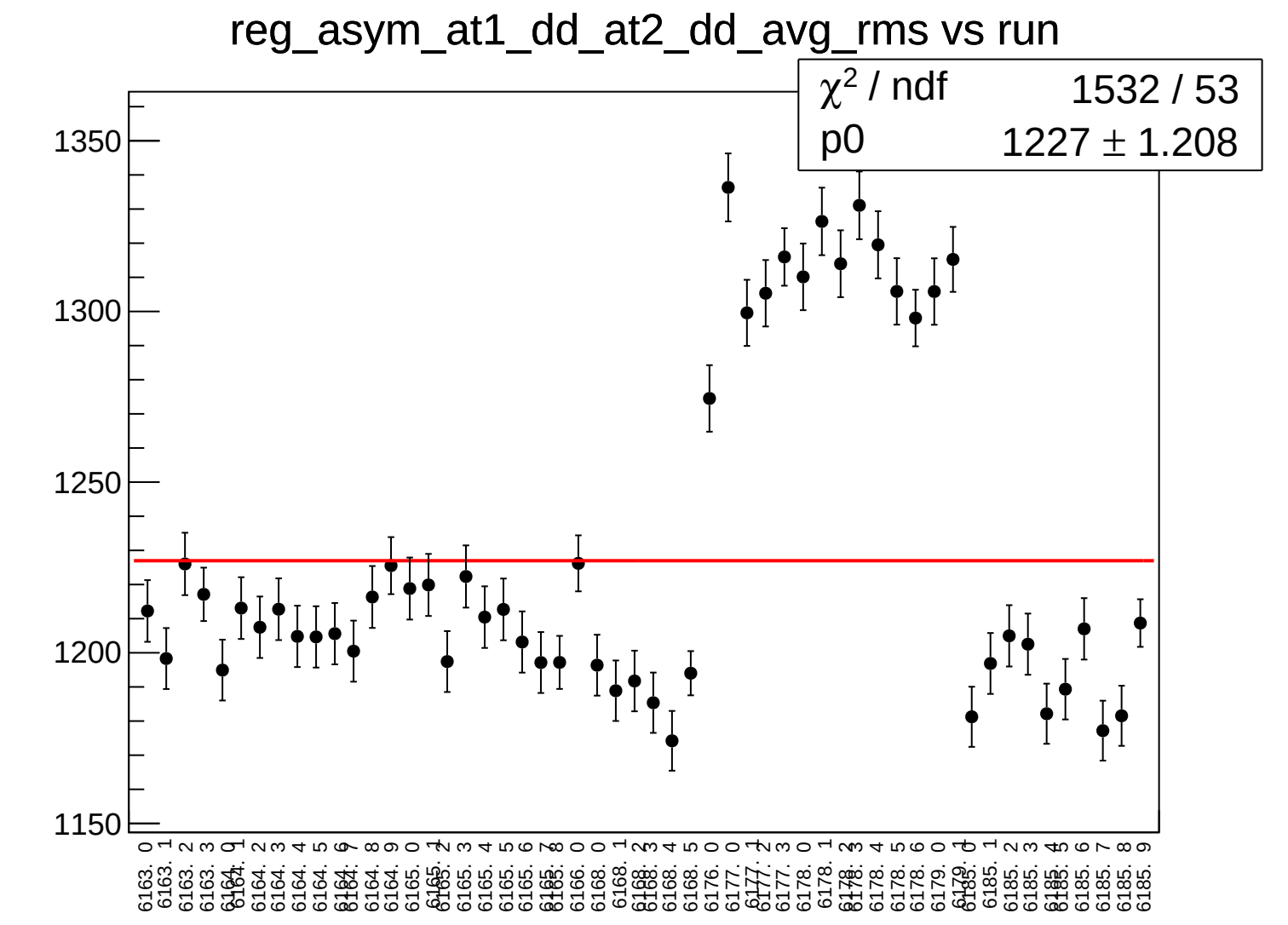

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 58.83 / 53
p0 1.516e−14 ± 6.007e−14
pull
Entries 54
Mean 83.99
Std Dev 0

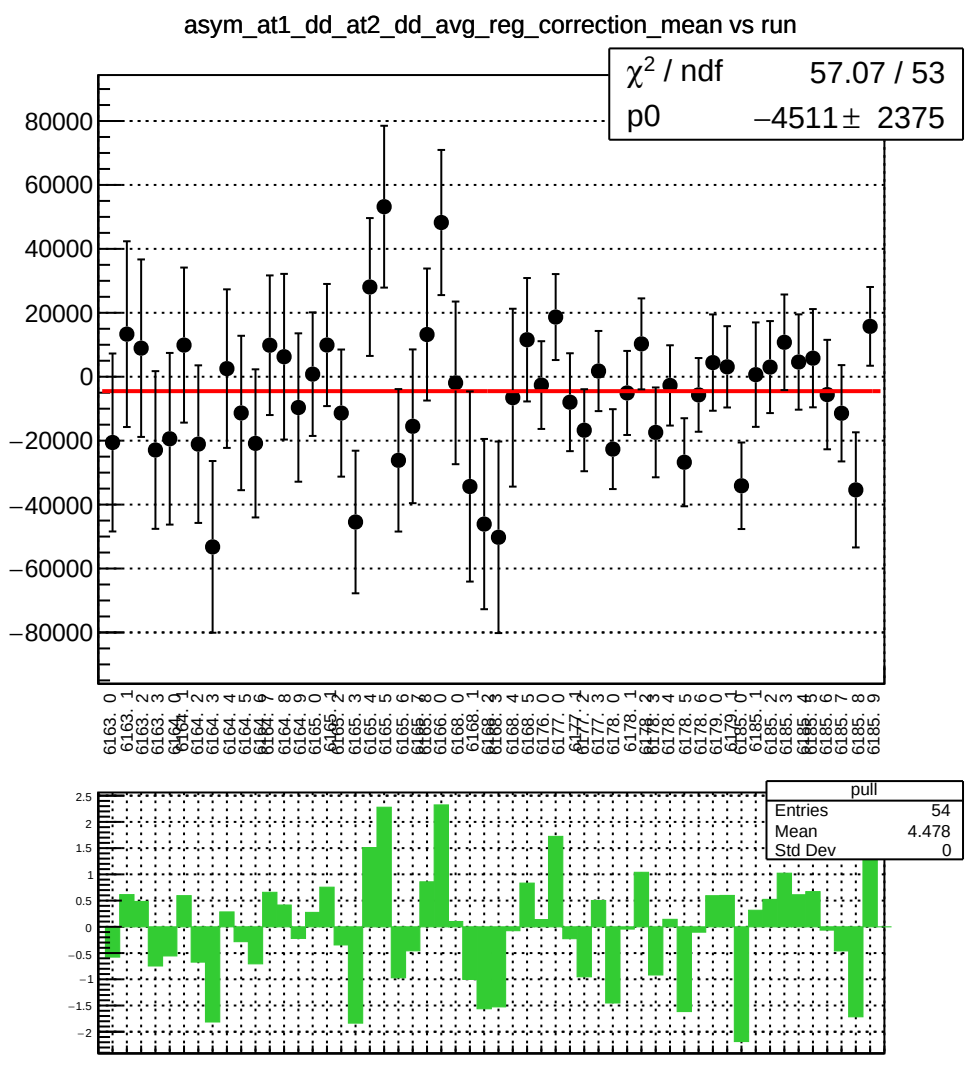

pull1D
Entries 54
Mean −0.03919
Std Dev 1.043

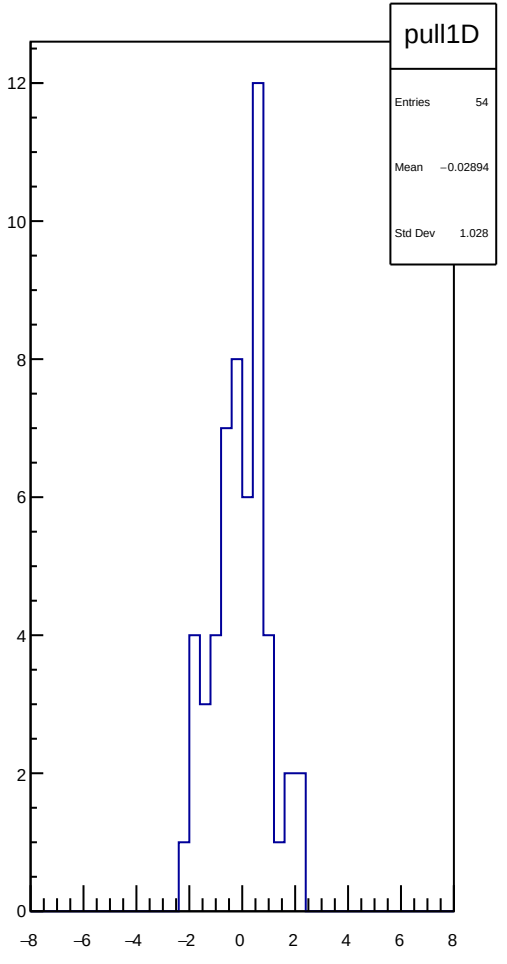

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.258e+05 / 53
p0 2.711e−11 ± 4.248e−14
1.2
1
0.8
0.6
0.4
0.2
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

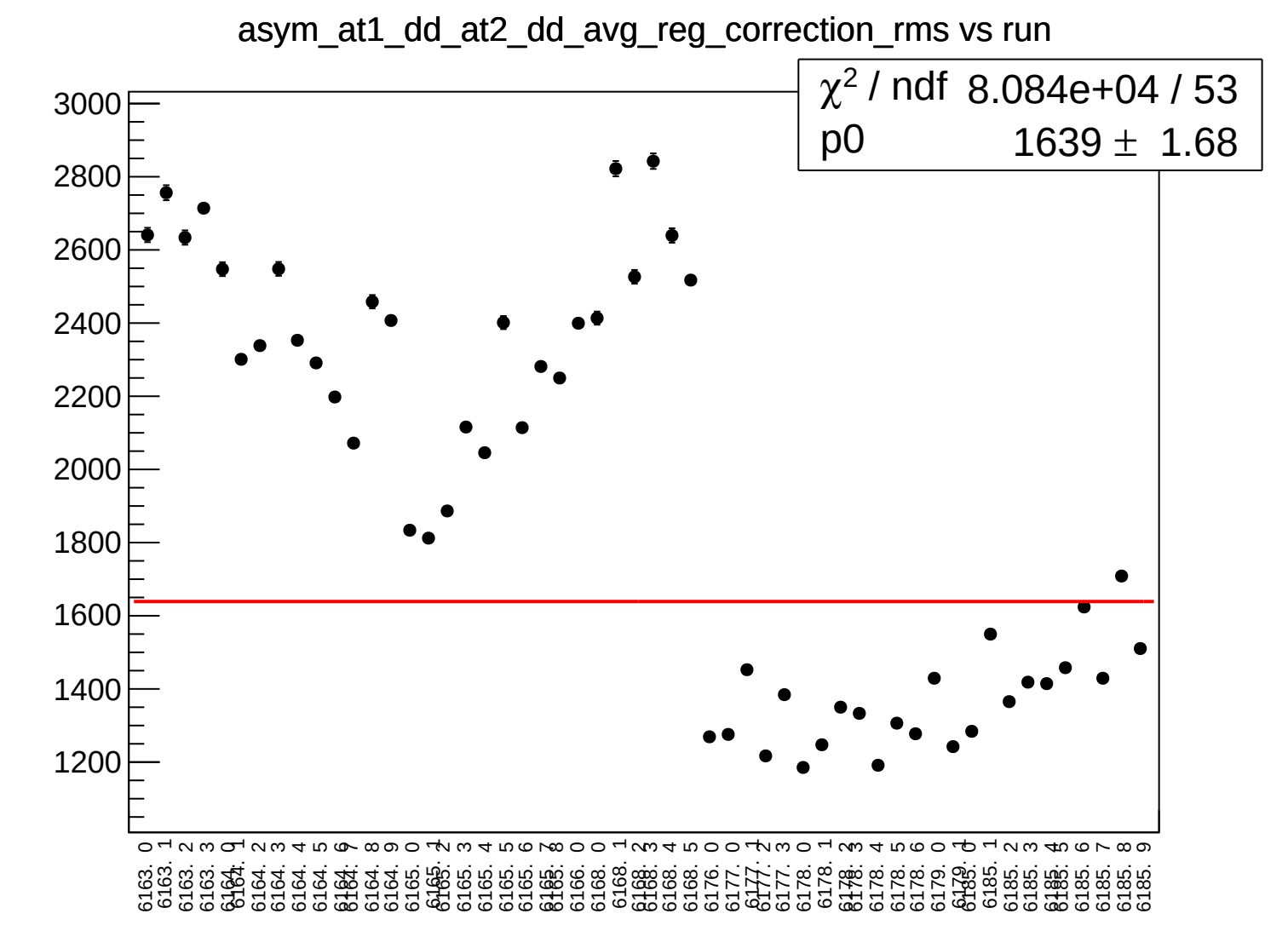

reg_asym_at1_dd_at2_dd_avg_mean vs run
χ² / ndf 47.13 / 53
p0 −2104 ± 1709
pull
Entries 54
Mean 620.5
Std Dev 0

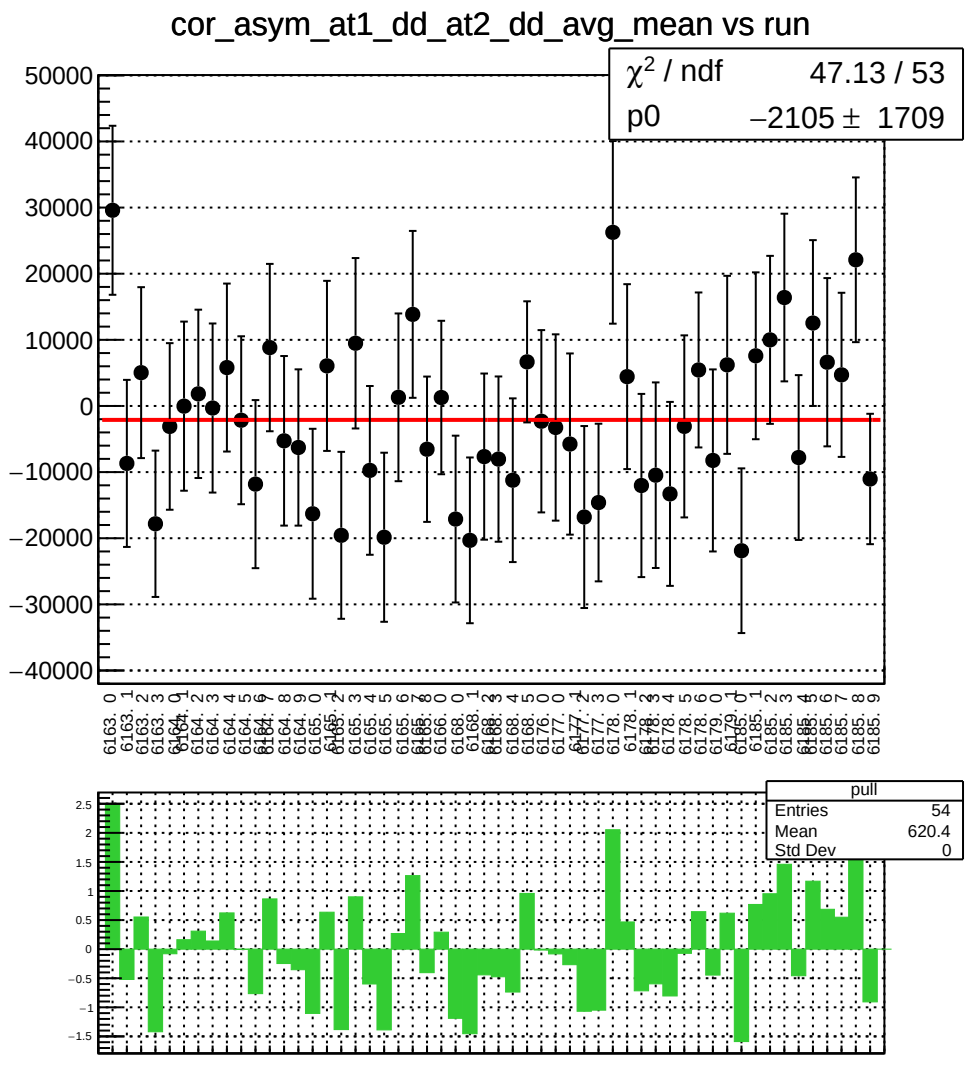

pull1D
Entries 54
Mean 0.002438
Std Dev 0.9342

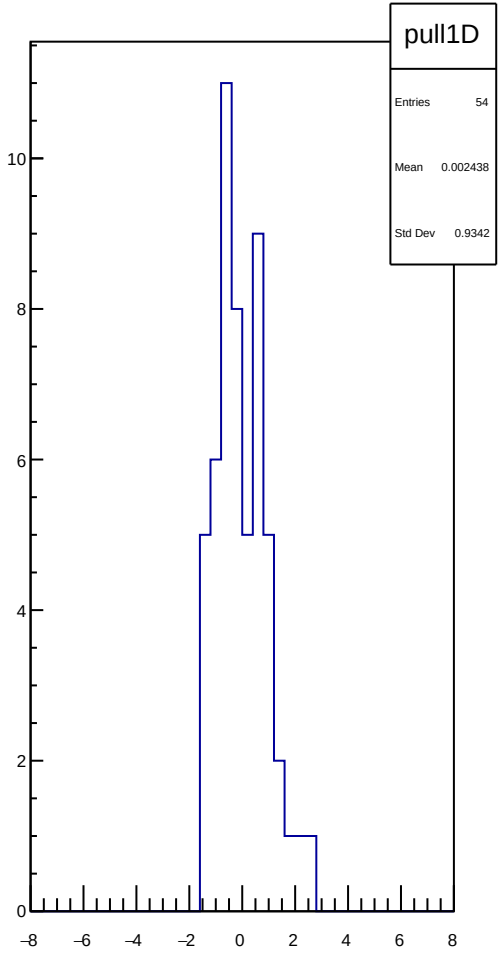

reg_asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 1532 / 53
p0 1227 ± 1.208
1350
1300
1250
1200
1150
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

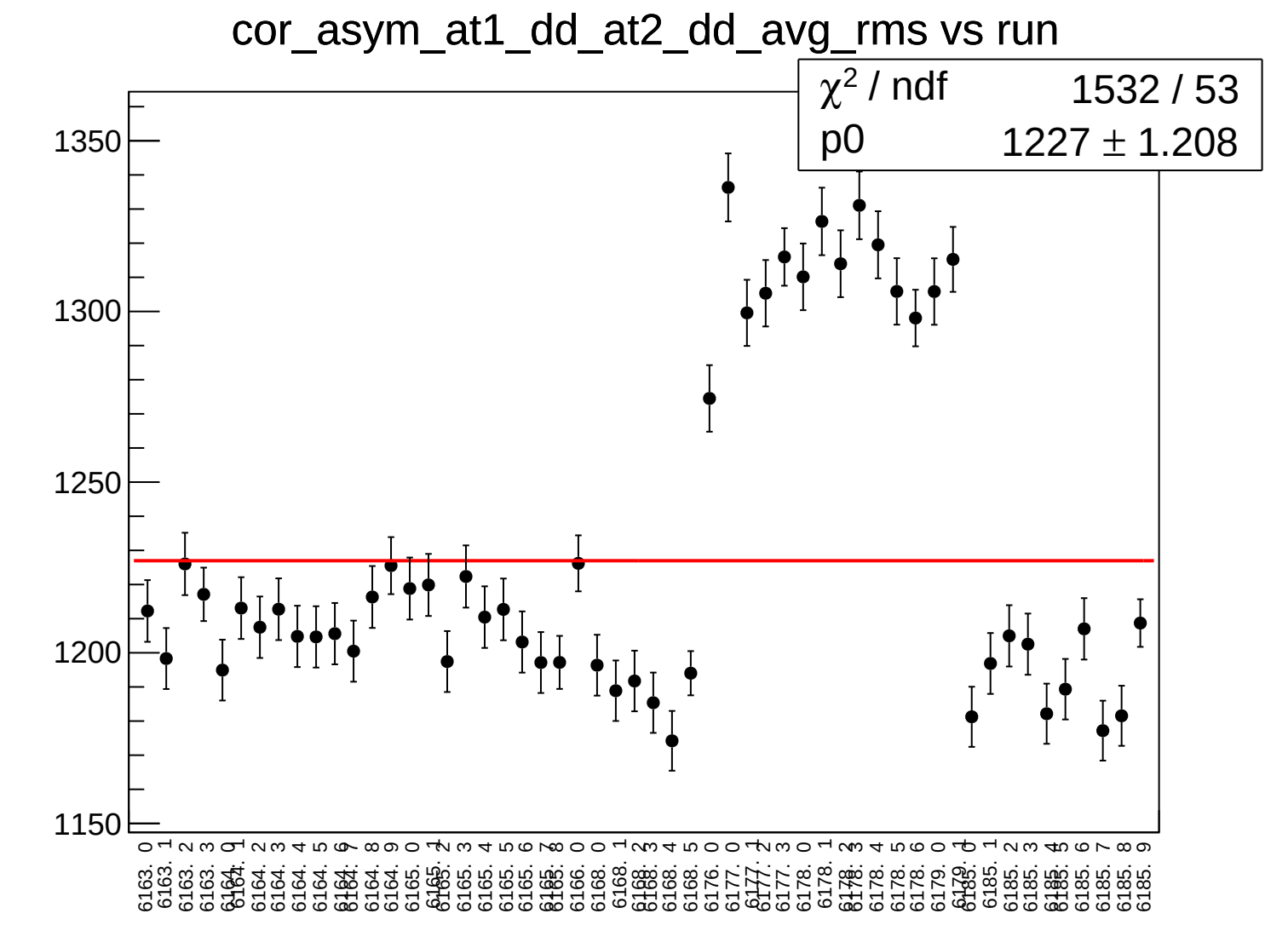

asym_at1_dd_at2_dd_avg_reg_correction_mean vs run
χ² / ndf 57.07 / 53
p0 −4511 ± 2375
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 54
Mean 4.478
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

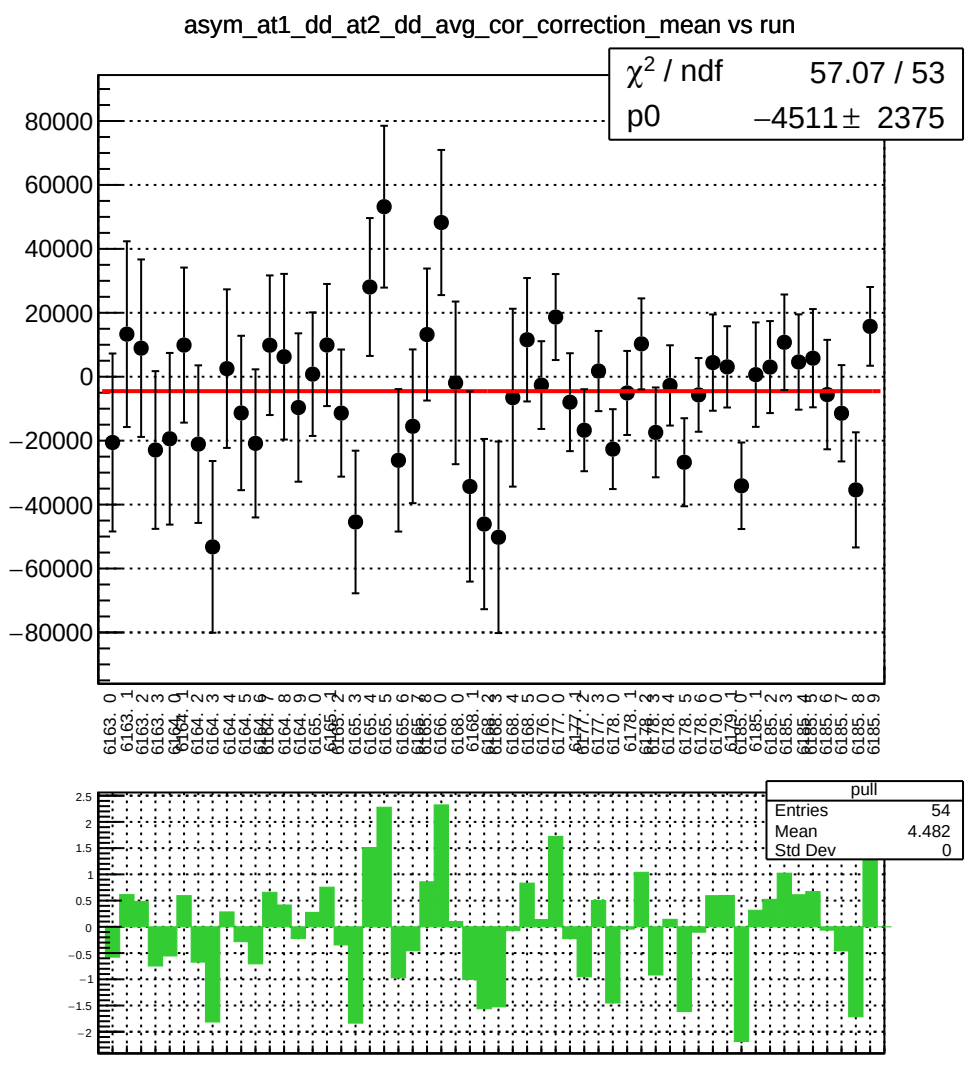

pull1D
Entries 54
Mean −0.02894
Std Dev 1.028
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

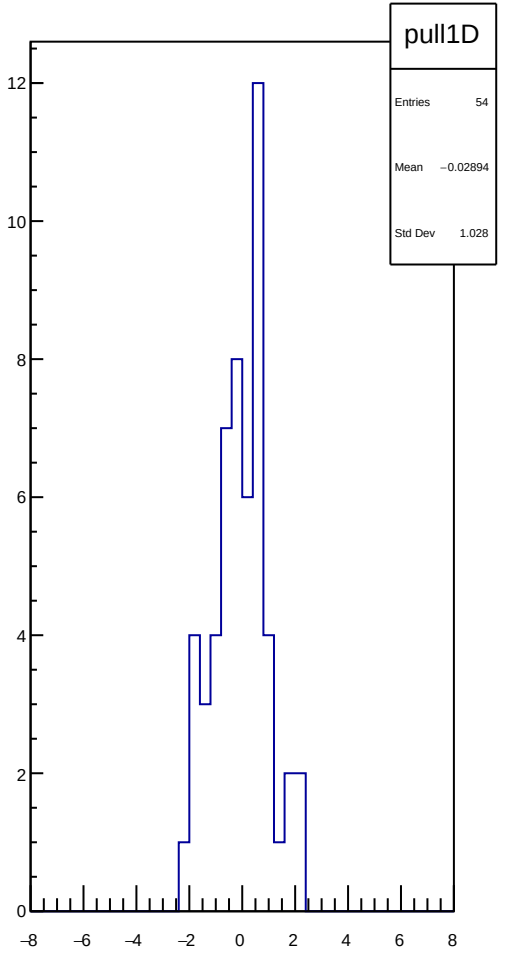

asym_at1_dd_at2_dd_avg_reg_correction_rms vs run
χ² / ndf 8.084e+04 / 53
p0 1639 ± 1.68
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

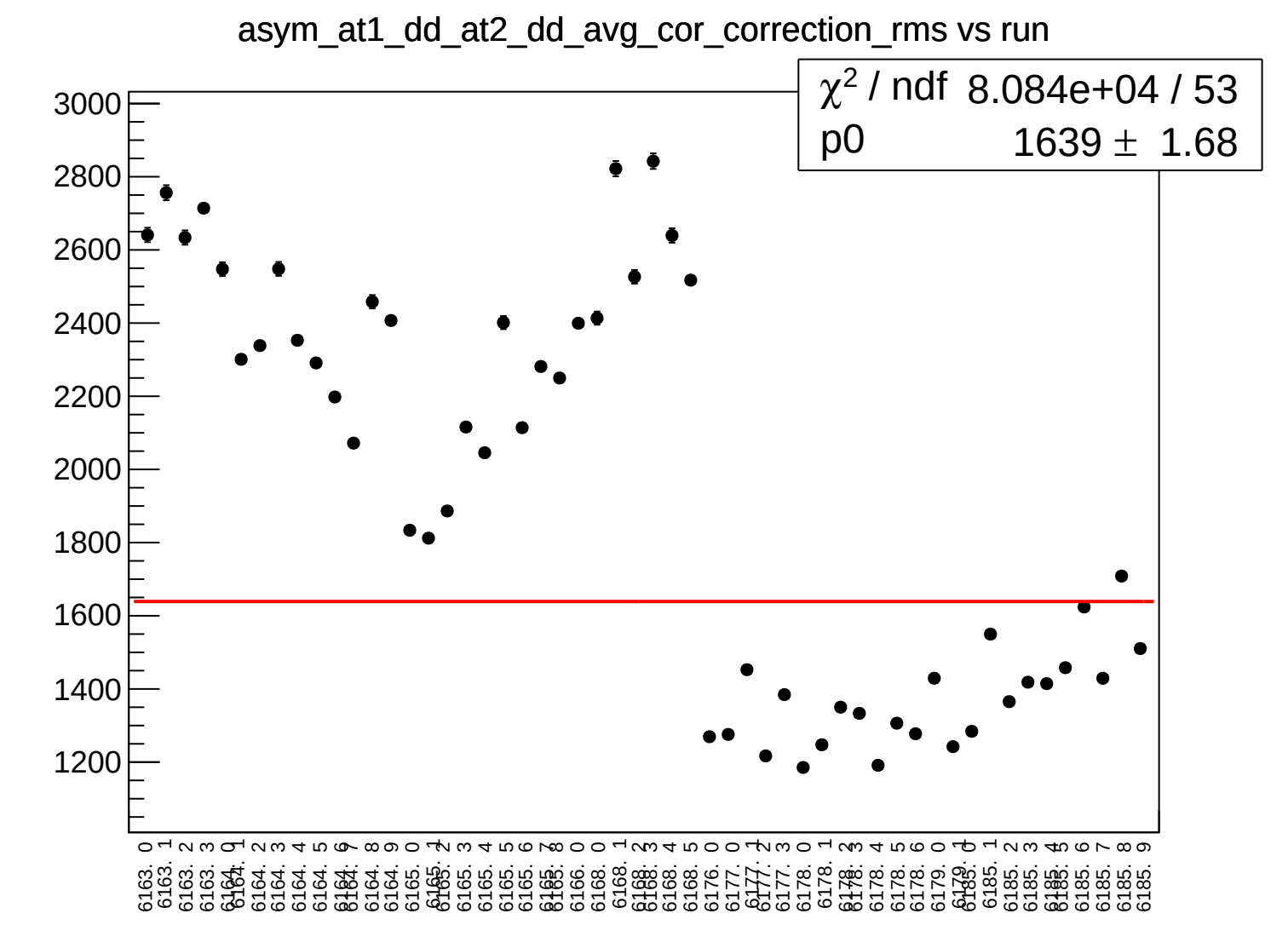

cor_asym_at1_dd_at2_dd_avg_mean vs run
χ² / ndf 47.13 / 53
p0 −2105 ± 1709
pull
Entries 54
Mean 620.4
Std Dev 0

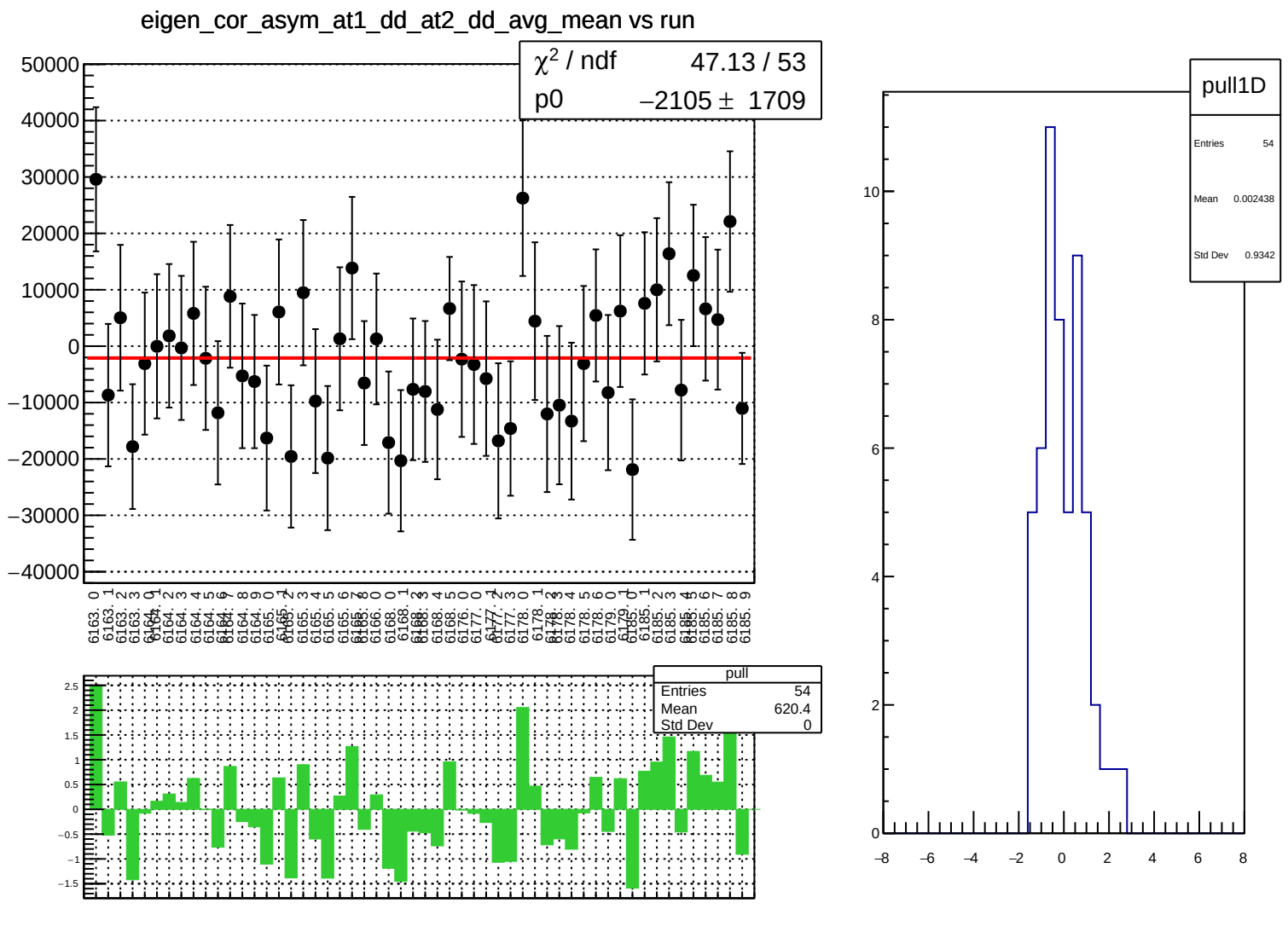

pull1D
Entries 54
Mean 0.002438
Std Dev 0.9342

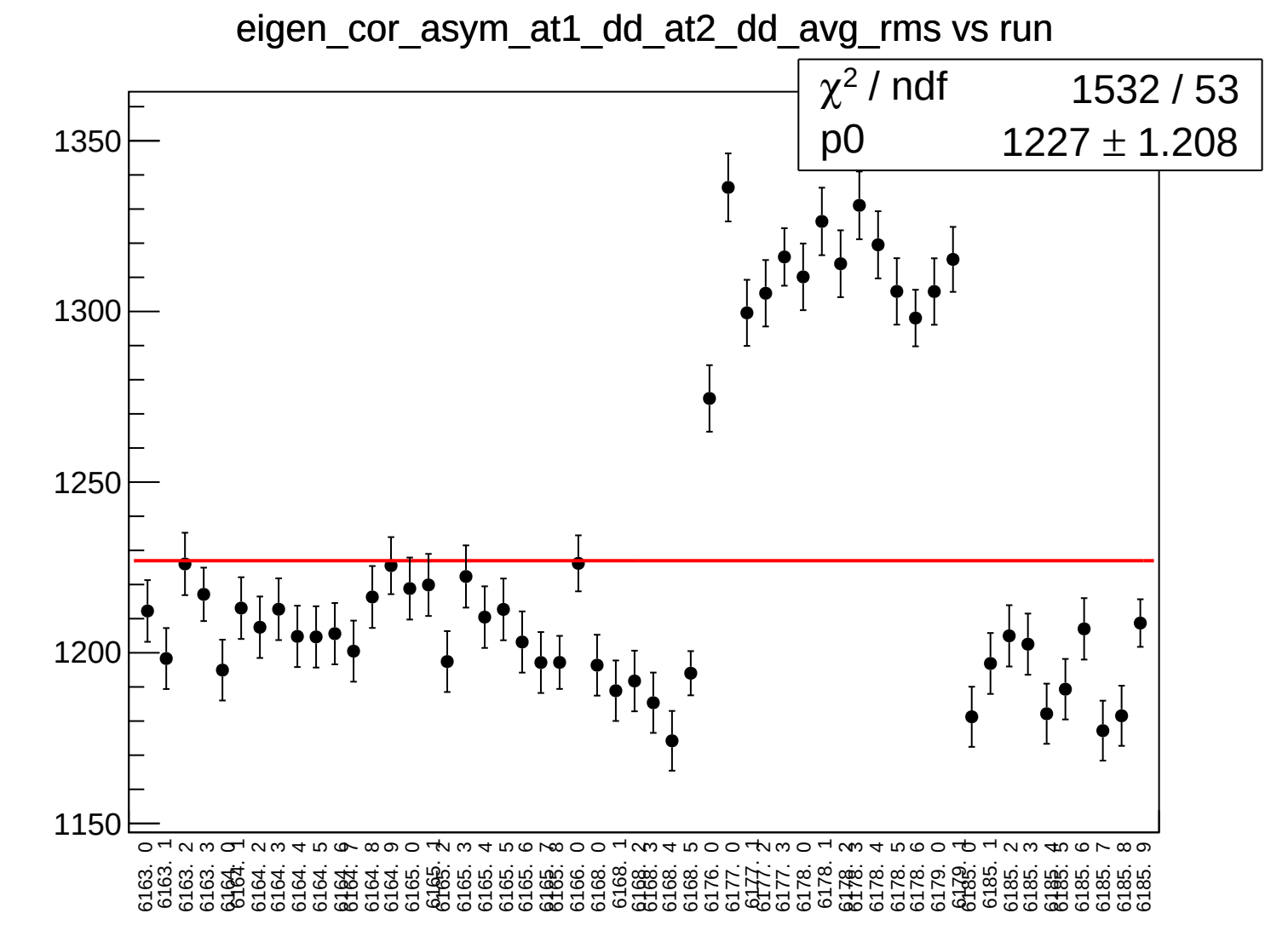

cor_asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 1532 / 53
p0 1227 ± 1.208
1350
1300
1250
1200
1150
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

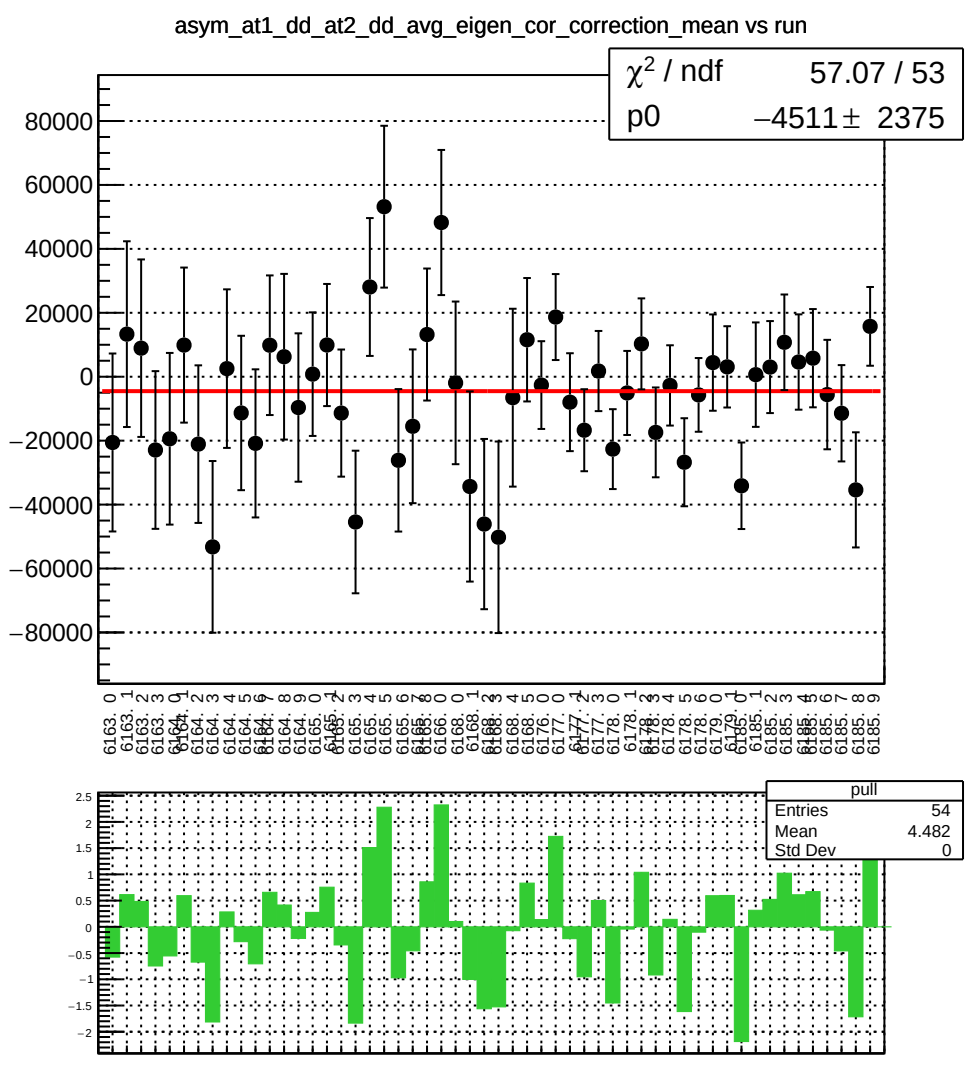

asym_at1_dd_at2_dd_avg_cor_correction_mean vs run
χ² / ndf 57.07 / 53
p0 −4511 ± 2375
pull
Entries 54
Mean 4.482
Std Dev 0

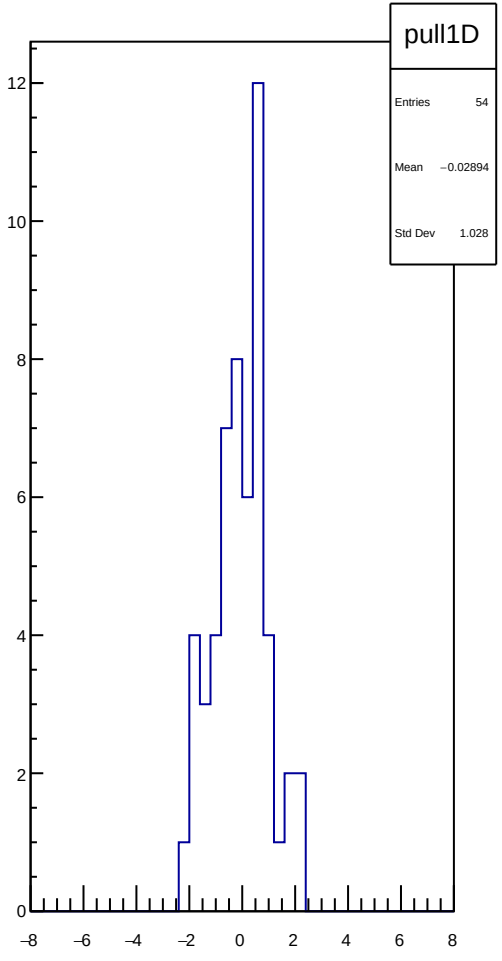

pull1D
Entries 54
Mean −0.02894
Std Dev 1.028

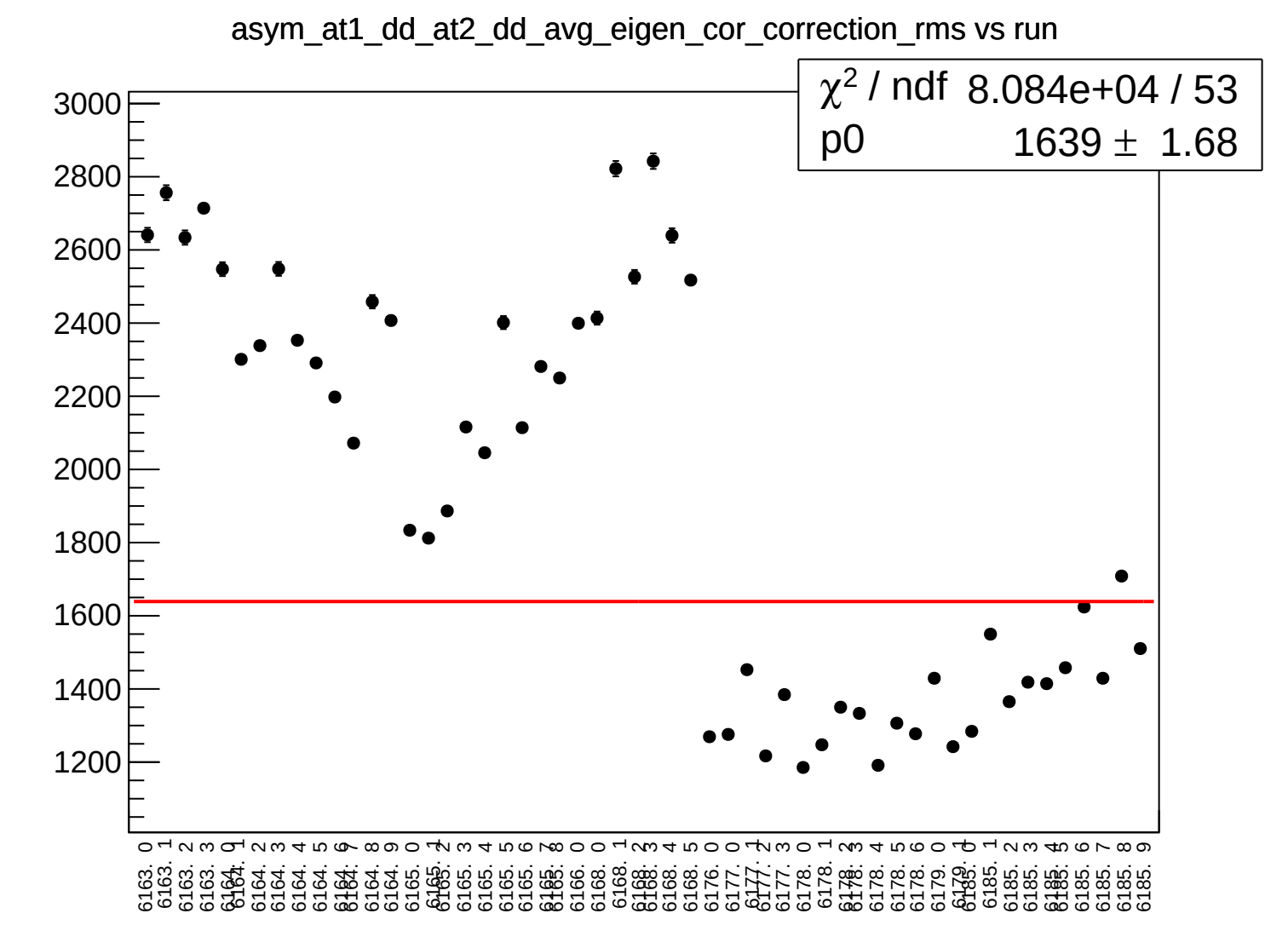

asym_at1_dd_at2_dd_avg_cor_correction_rms vs run
χ² / ndf 8.084e+04 / 53
p0 1639 ± 1.68
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

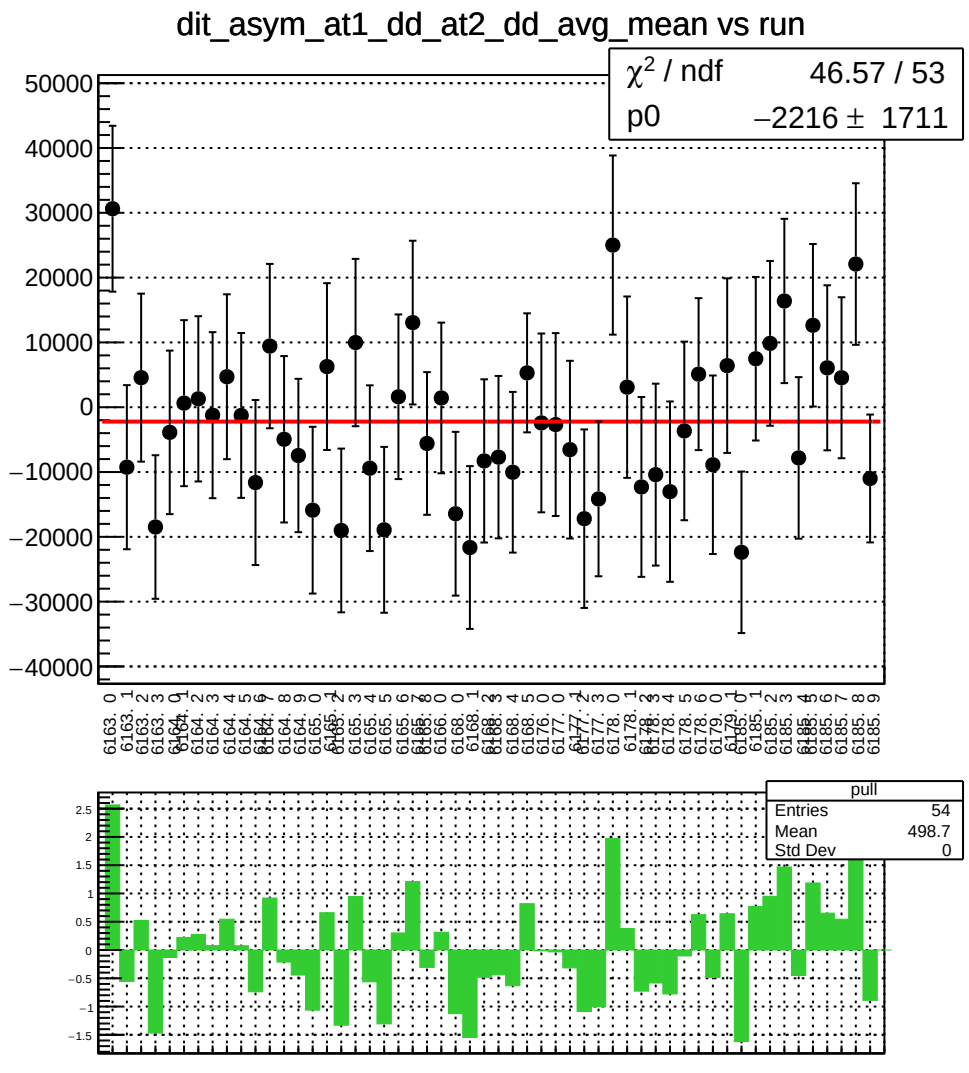

eigen_cor_asym_at1_dd_at2_dd_avg_mean vs run
χ² / ndf 47.13 / 53
p0 −2105 ± 1709
pull
Entries 54
Mean 620.4
Std Dev 0
pull1D
Entries 54
Mean 0.002438
Std Dev 0.9342

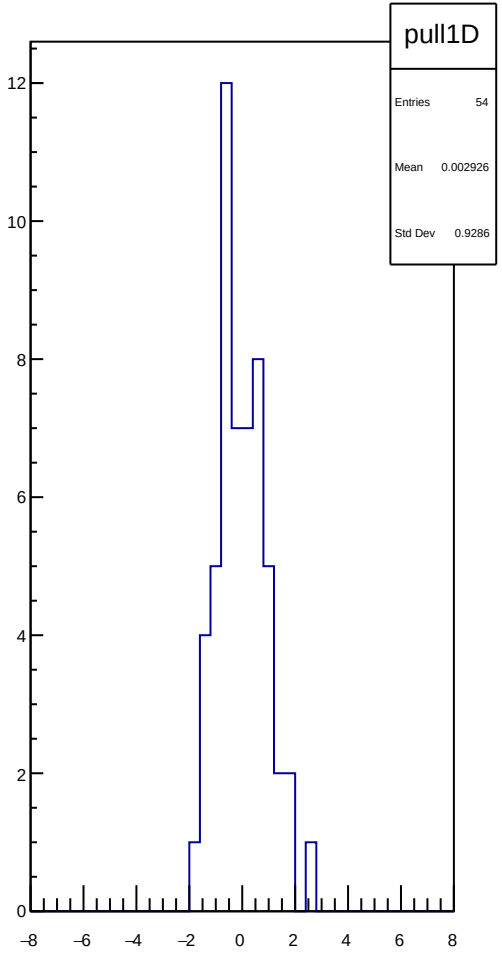

eigen_cor_asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 1532 / 53
p0 1227 ± 1.208
1350
1300
1250
1200
1150
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 2
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

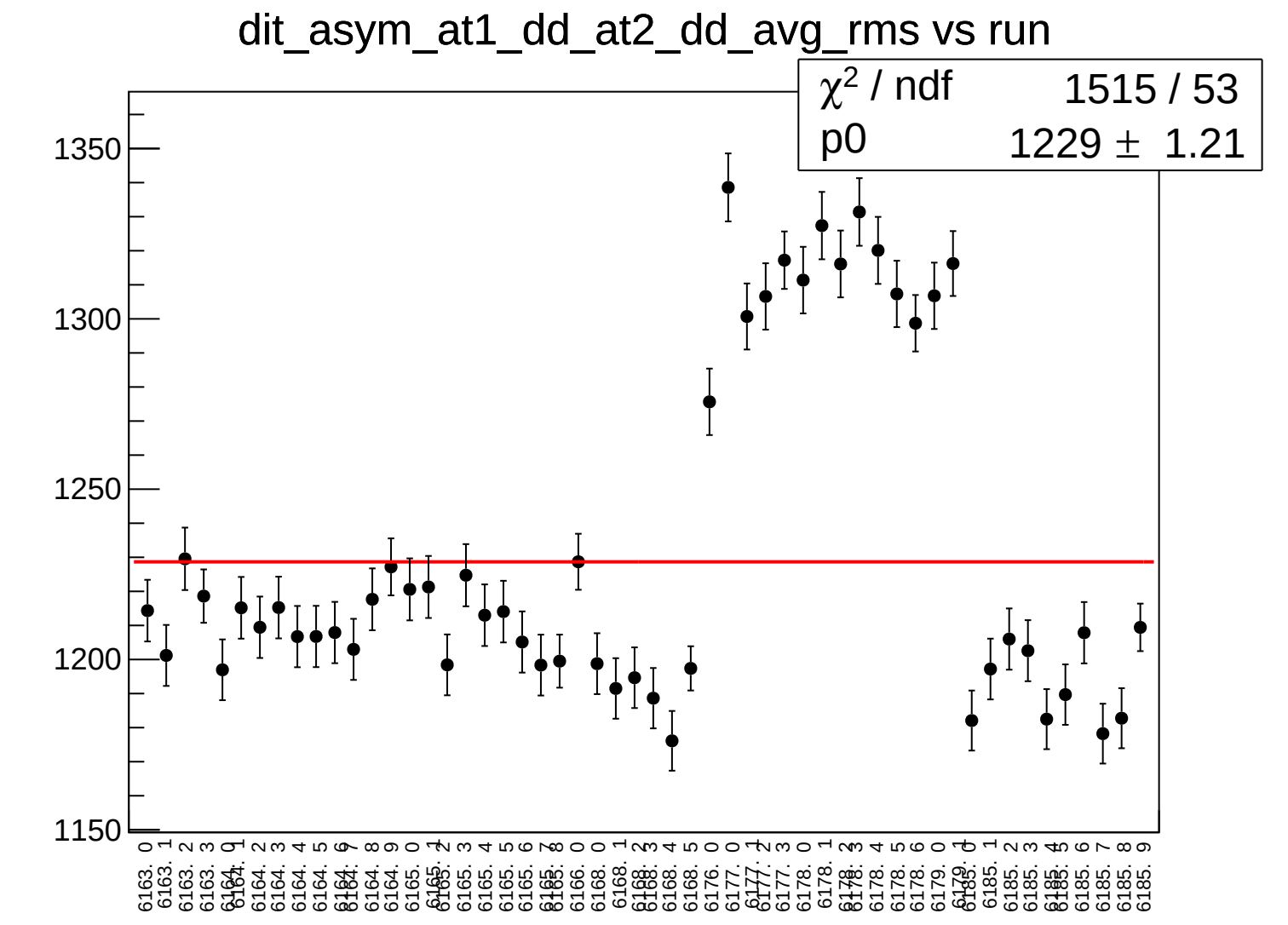

asym_at1_dd_at2_dd_avg_eigen_cor_correction_mean vs run
χ² / ndf 57.07 / 53
p0 −4511 ± 2375
pull
Entries 54
Mean 4.482
Std Dev 0

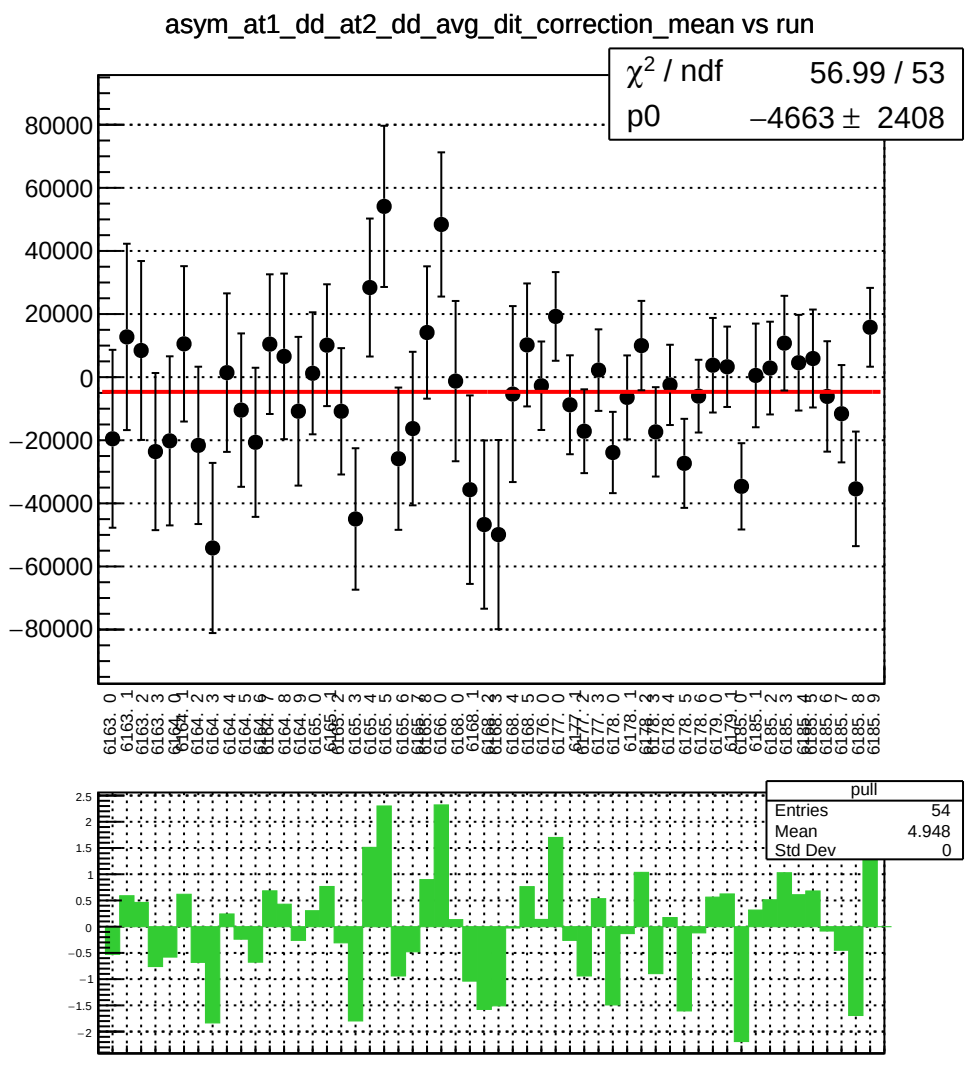

pull1D
Entries 54
Mean −0.02894
Std Dev 1.028

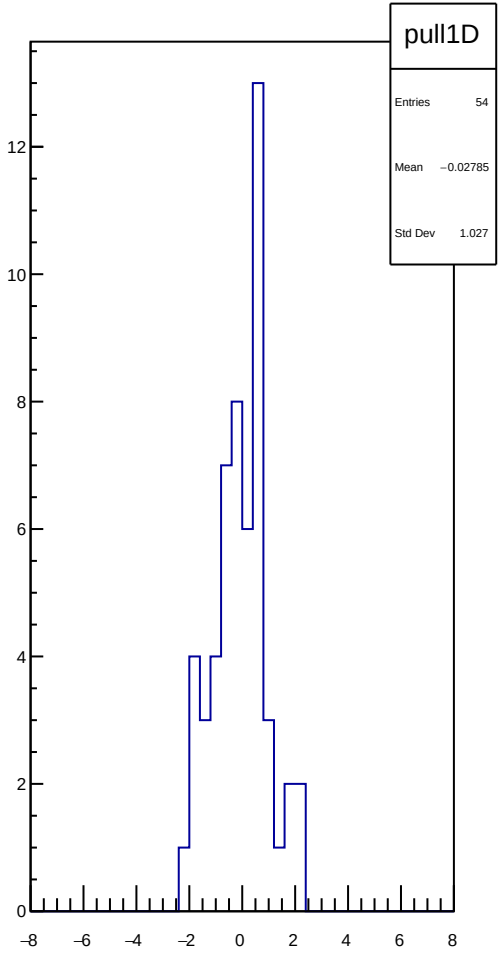

asym_at1_dd_at2_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 8.084e+04 / 53
p0 1639 ± 1.68
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

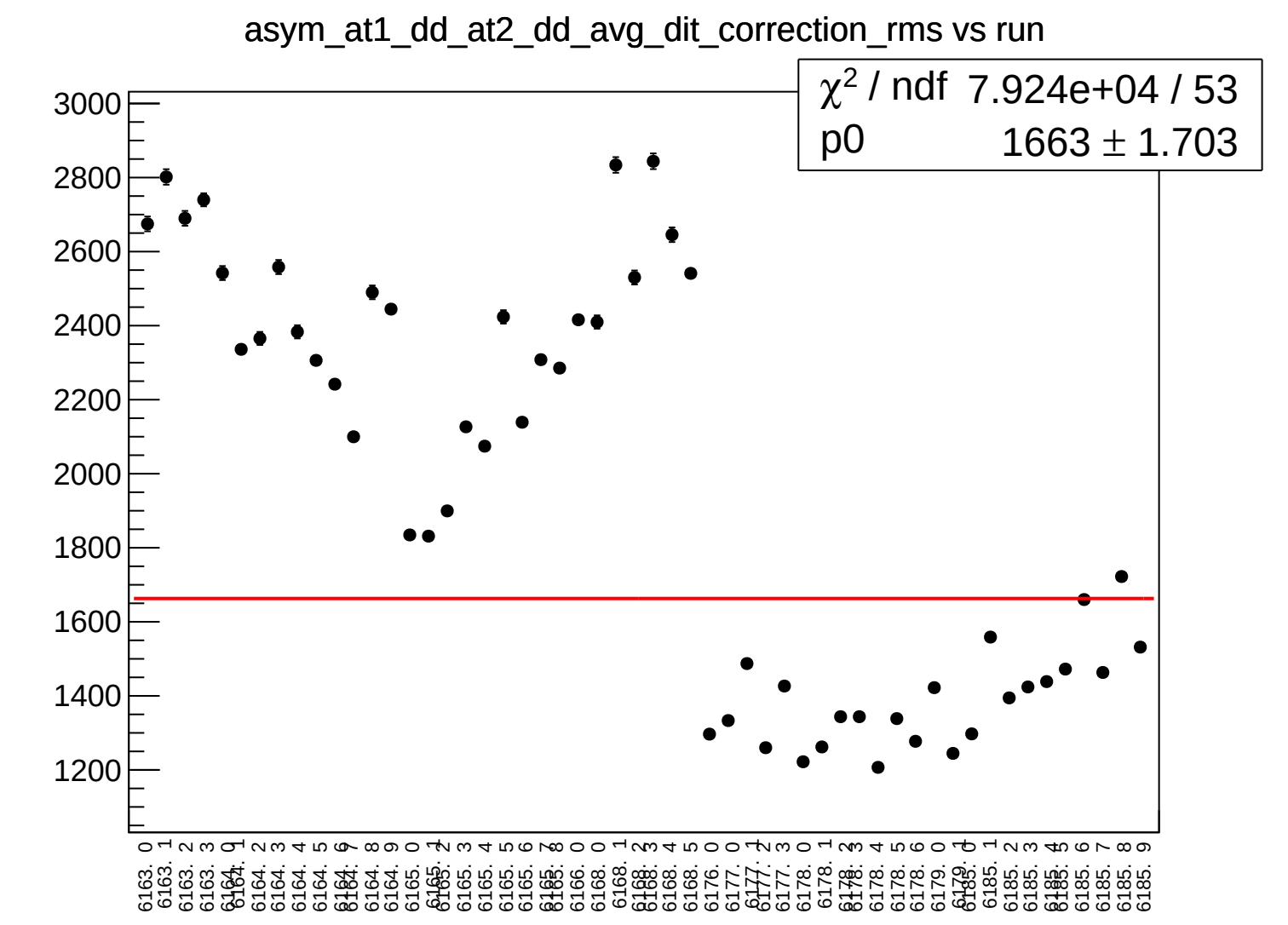

dit_asym_at1_dd_at2_dd_avg_mean vs run
χ² / ndf 46.57 / 53
p0 −2216 ± 1711
pull
Entries 54
Mean 498.7
Std Dev 0

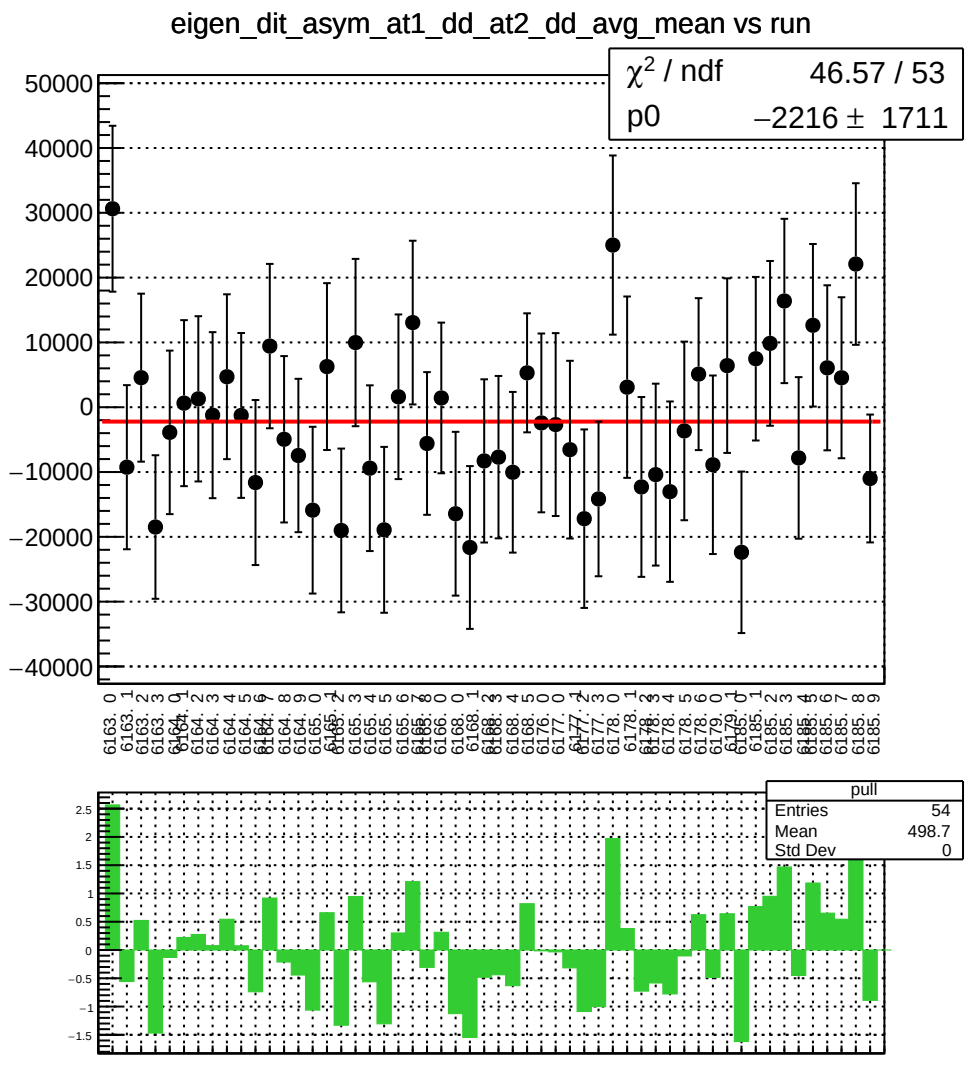

pull1D
Entries 54
Mean 0.002926
Std Dev 0.9286

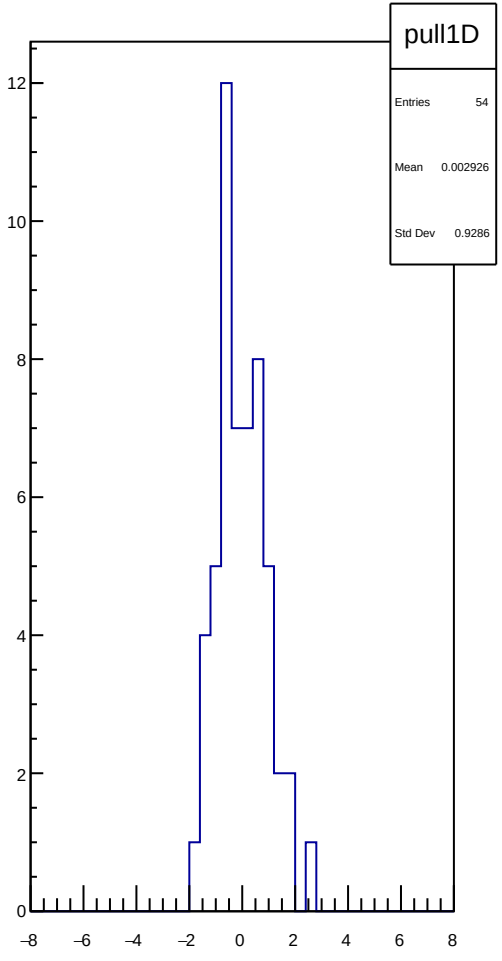

dit_asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 1515 / 53
p0 1229 ± 1.21
1350
1300
1250
1200
1150
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

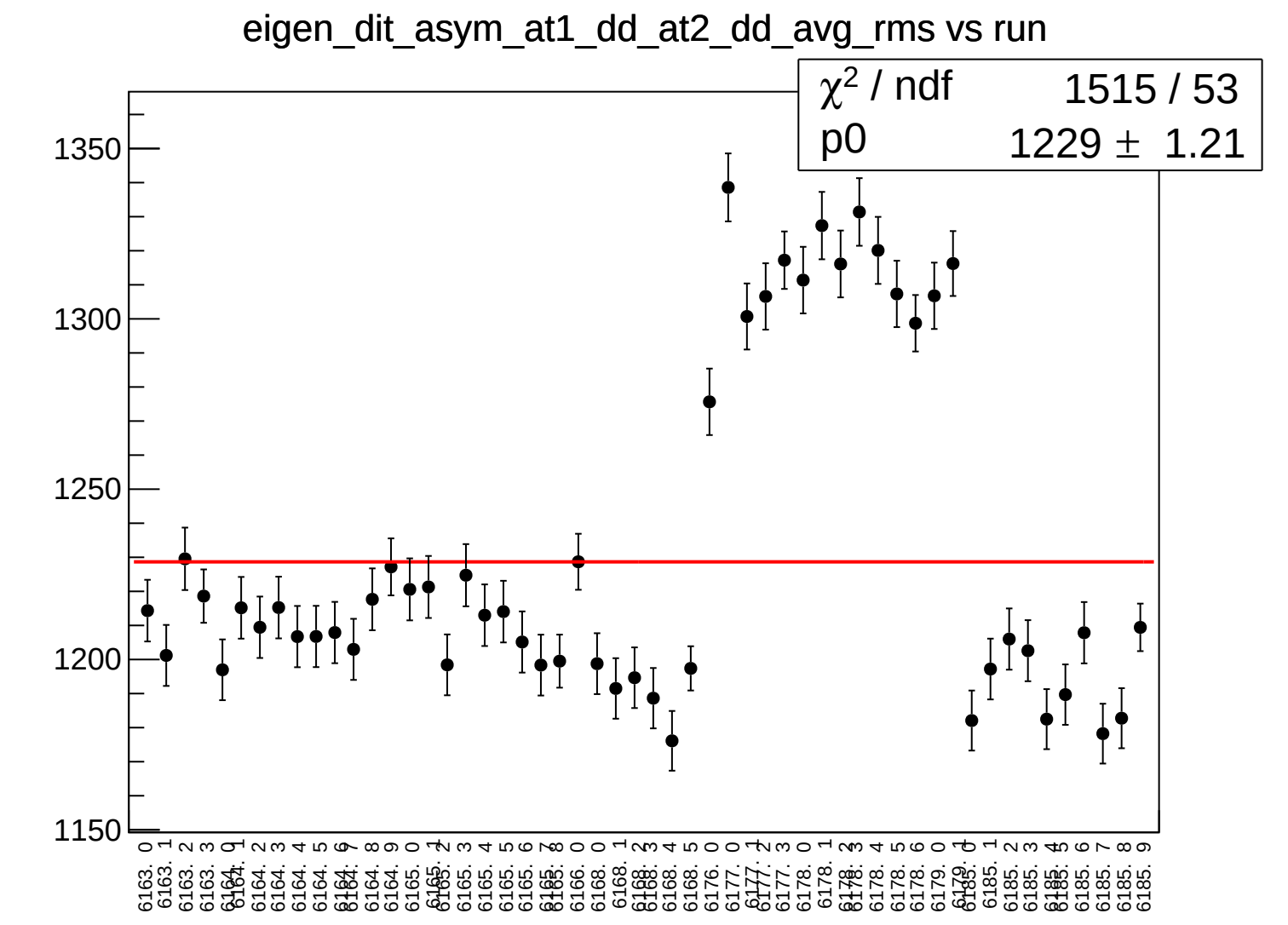

asym_at1_dd_at2_dd_avg_dit_correction_mean vs run
χ² / ndf 56.99 / 53
p0 −4663 ± 2408
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 54
Mean 4.948
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 54
Mean −0.02785
Std Dev 1.027
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_at1_dd_at2_dd_avg_dit_correction_rms vs run
χ² / ndf 7.924e+04 / 53
p0 1663 ± 1.703
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


eigen_dit_asym_at1_dd_at2_dd_avg_mean vs run
χ² / ndf 46.57 / 53
p0 −2216 ± 1711
pull
Entries 54
Mean 498.7
Std Dev 0


pull1D
Entries 54
Mean 0.002926
Std Dev 0.9286


eigen_dit_asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 1515 / 53
p0 1229 ± 1.21
1350
1300
1250
1200
1150
6163. 0
6163. 1
6163. 2
6163. 3
6163. 4
6163. 9
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 6
6164. 7
6164. 8
6164. 9
6165. 0
6165. 1
6165. 2
6165. 3
6165. 4
6165. 5
6165. 6
6165. 7
6165. 8
6166. 0
6168. 0
6168. 1
6168. 2
6168. 3
6168. 4
6168. 5
6176. 0
6177. 0
6177. 1
6177. 2
6177. 3
6178. 0
6178. 1
6178. 2
6178. 3
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6178. 5
6178. 6
6179. 0
6179. 1
6185. 0
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6185. 2
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6185. 5
6185. 6
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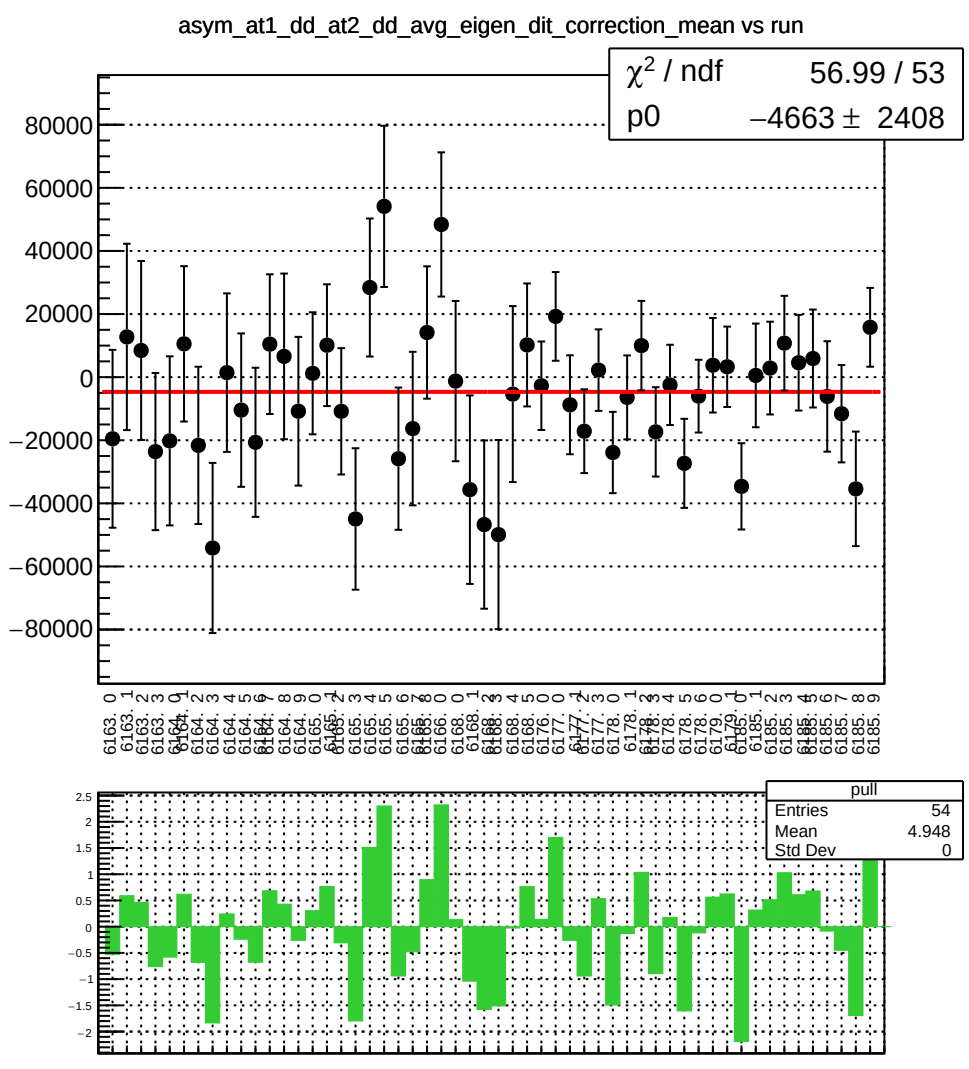
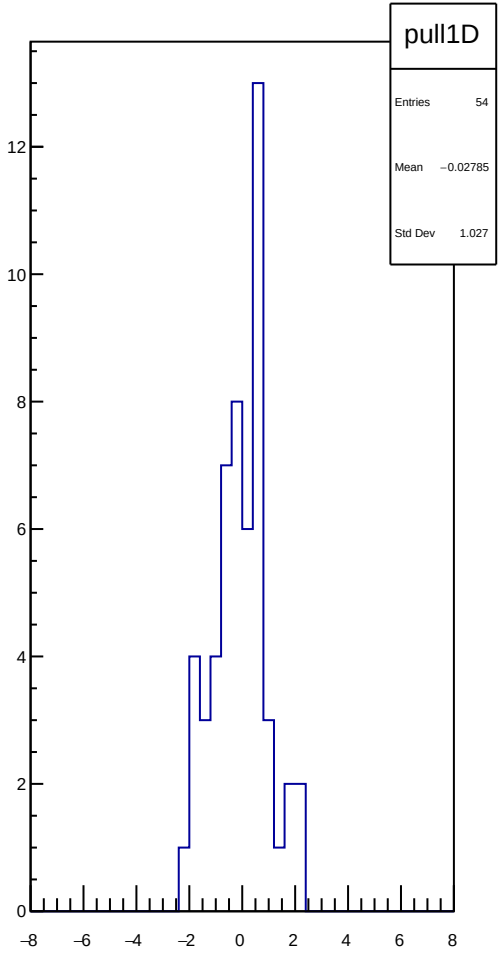
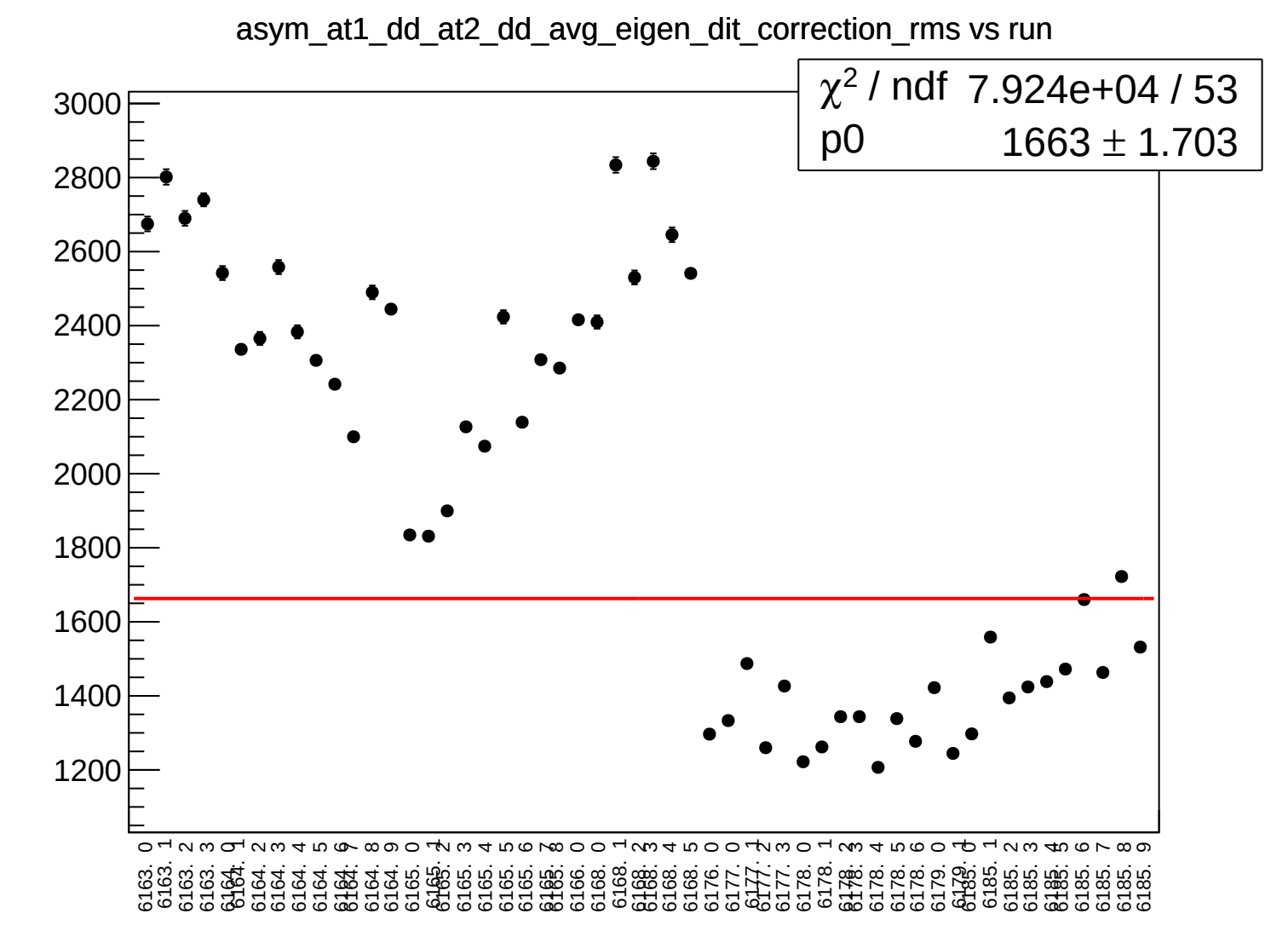
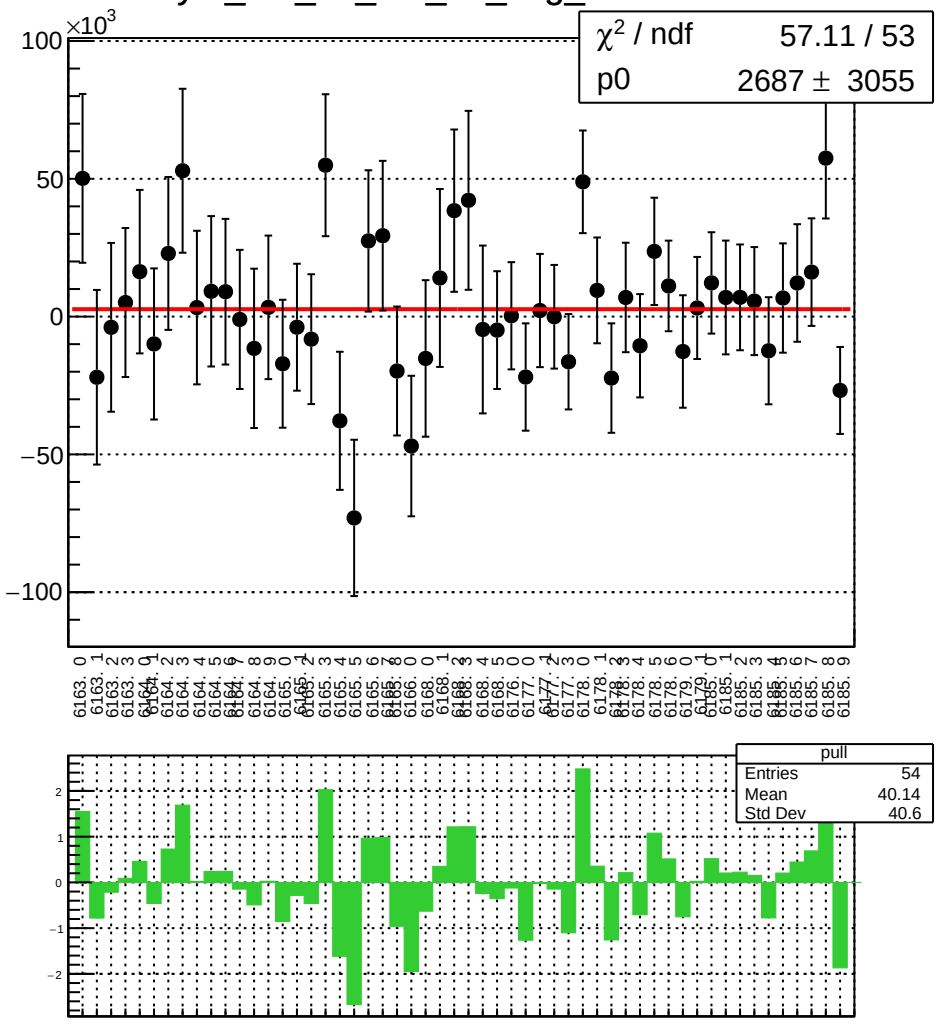
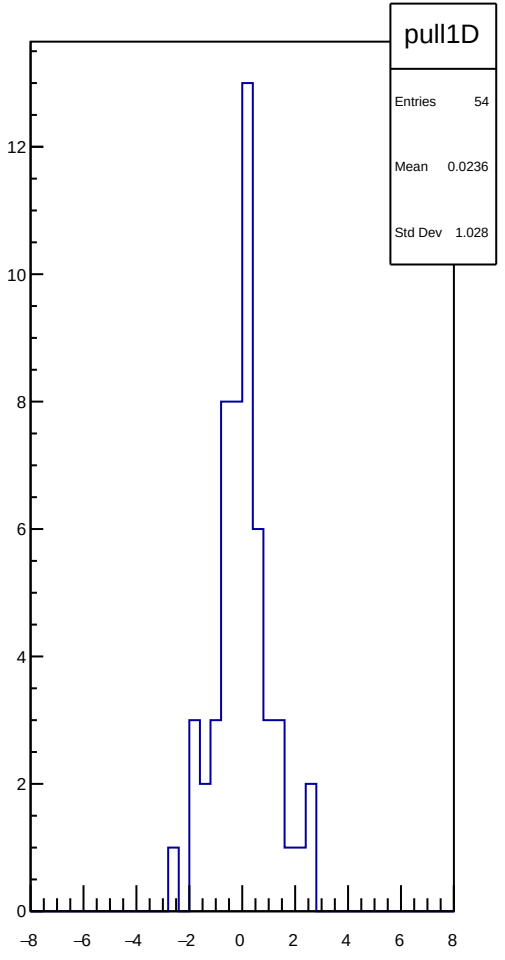
6185. 8
6185. 9

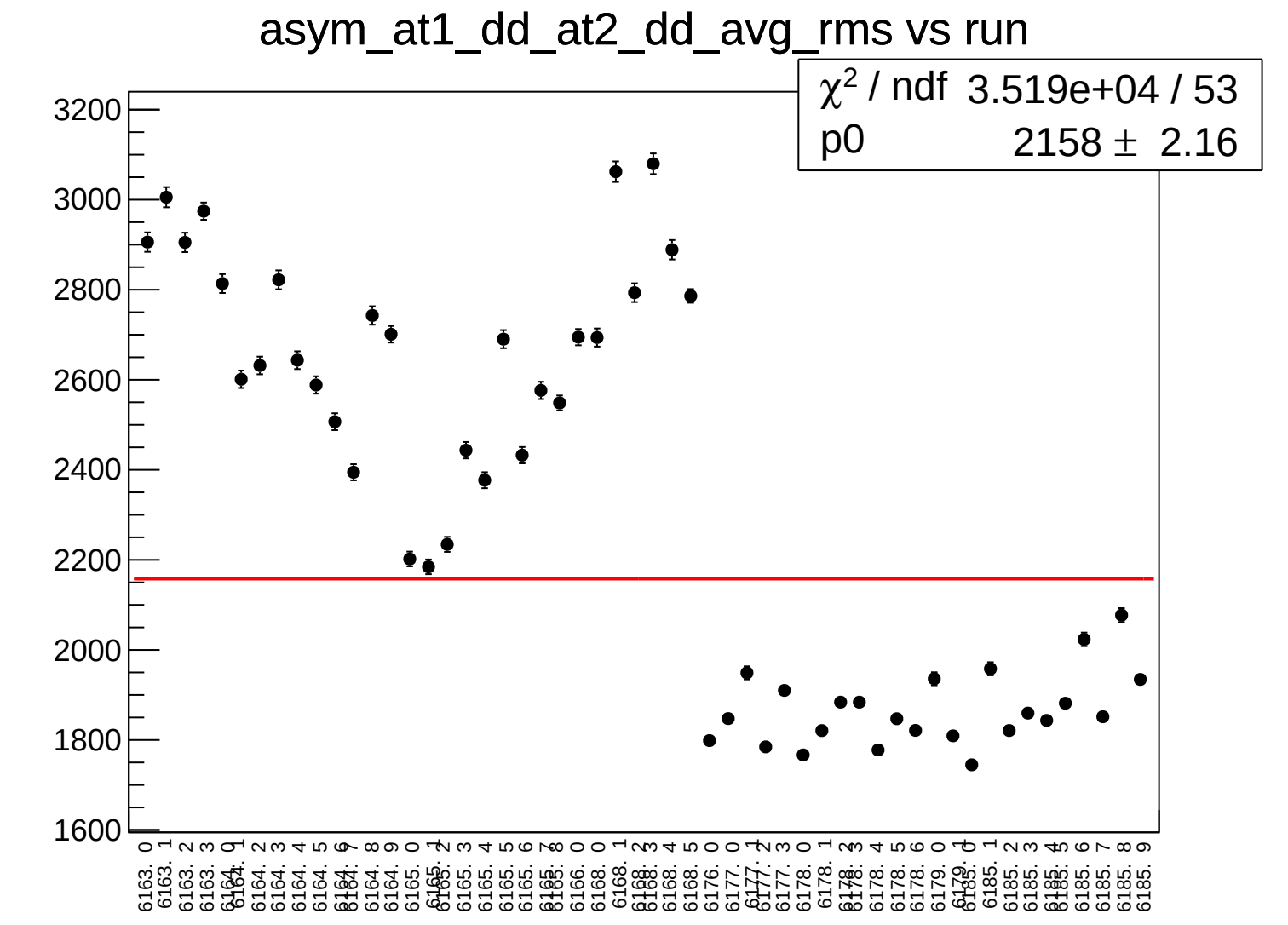

asym_at1_dd_at2_dd_avg_eigen_dit_correction_mean vs run
χ² / ndf 56.99 / 53
p0 −4663 ± 2408
pull
Entries 54
Mean 4.948
Std Dev 0

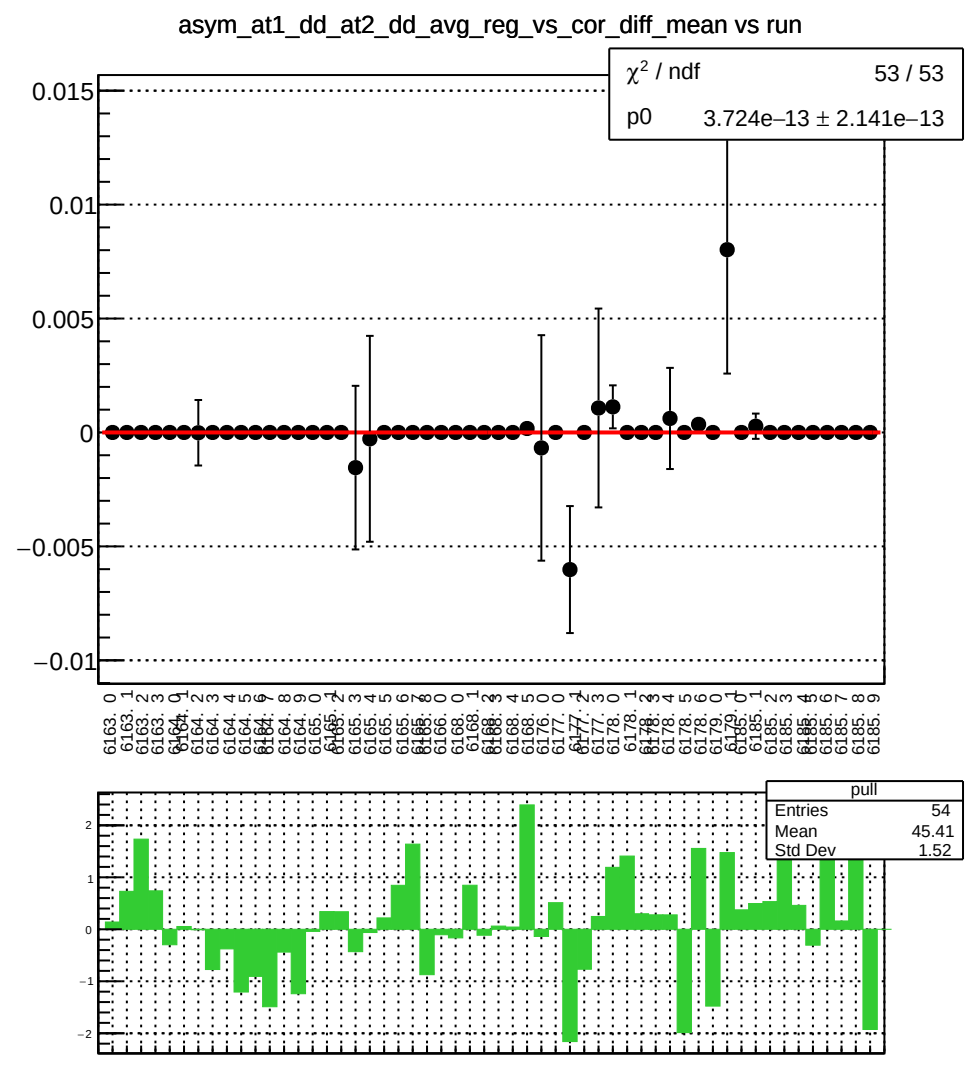

pull1D
Entries 54
Mean −0.02785
Std Dev 1.027

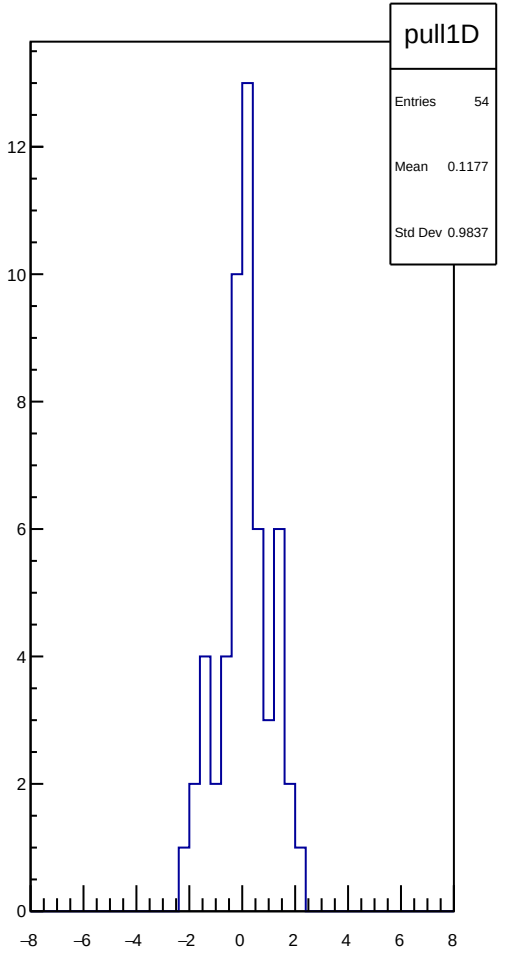

asym_at1_dd_at2_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 7.924e+04 / 53
p0 1663 ± 1.703
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

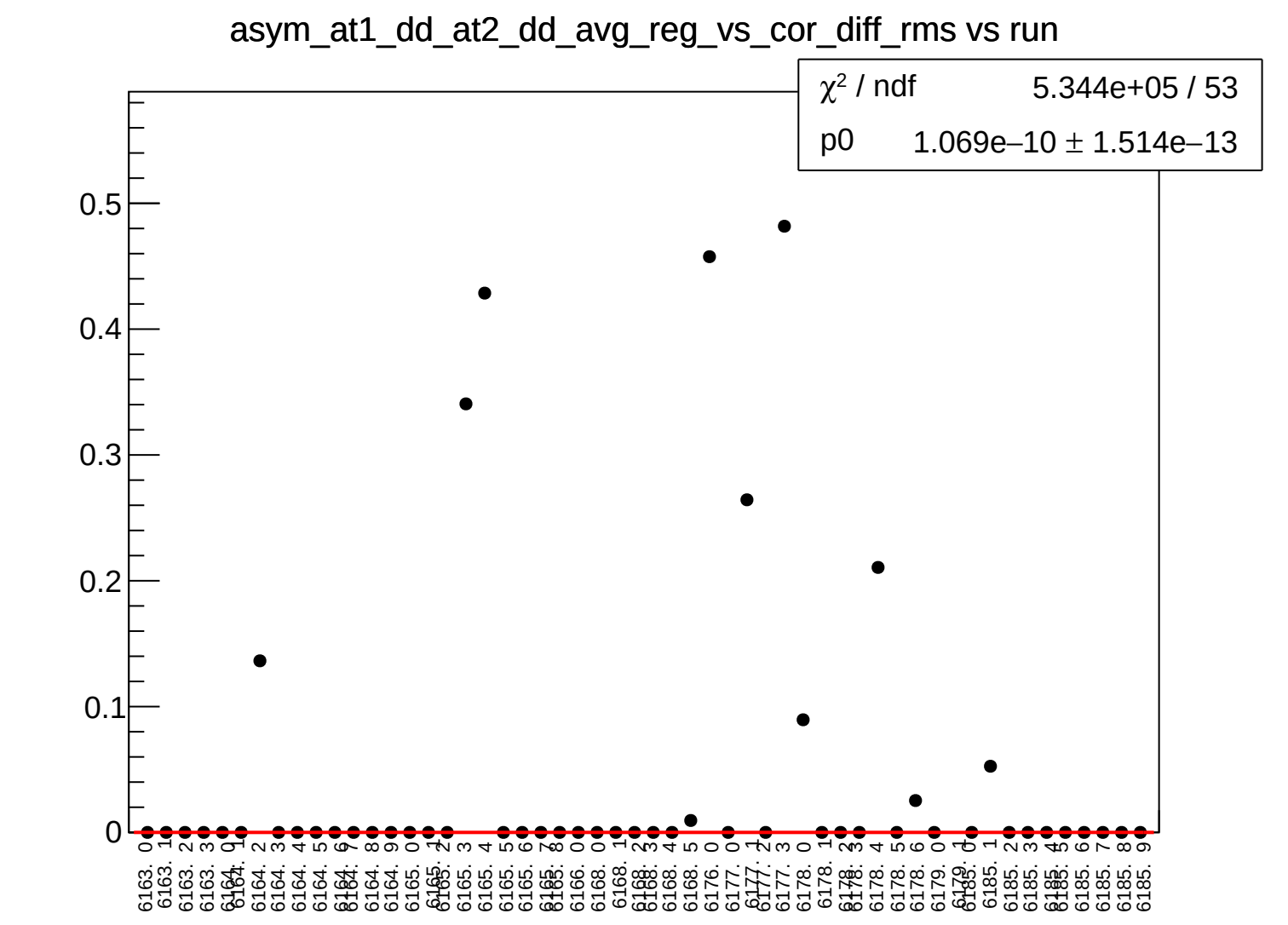

asym_at1_dd_at2_dd_avg_mean vs run
×10^3
χ² / ndf 57.11 / 53
p0 2687 ± 3055
pull
Entries 54
Mean 40.14
Std Dev 40.6

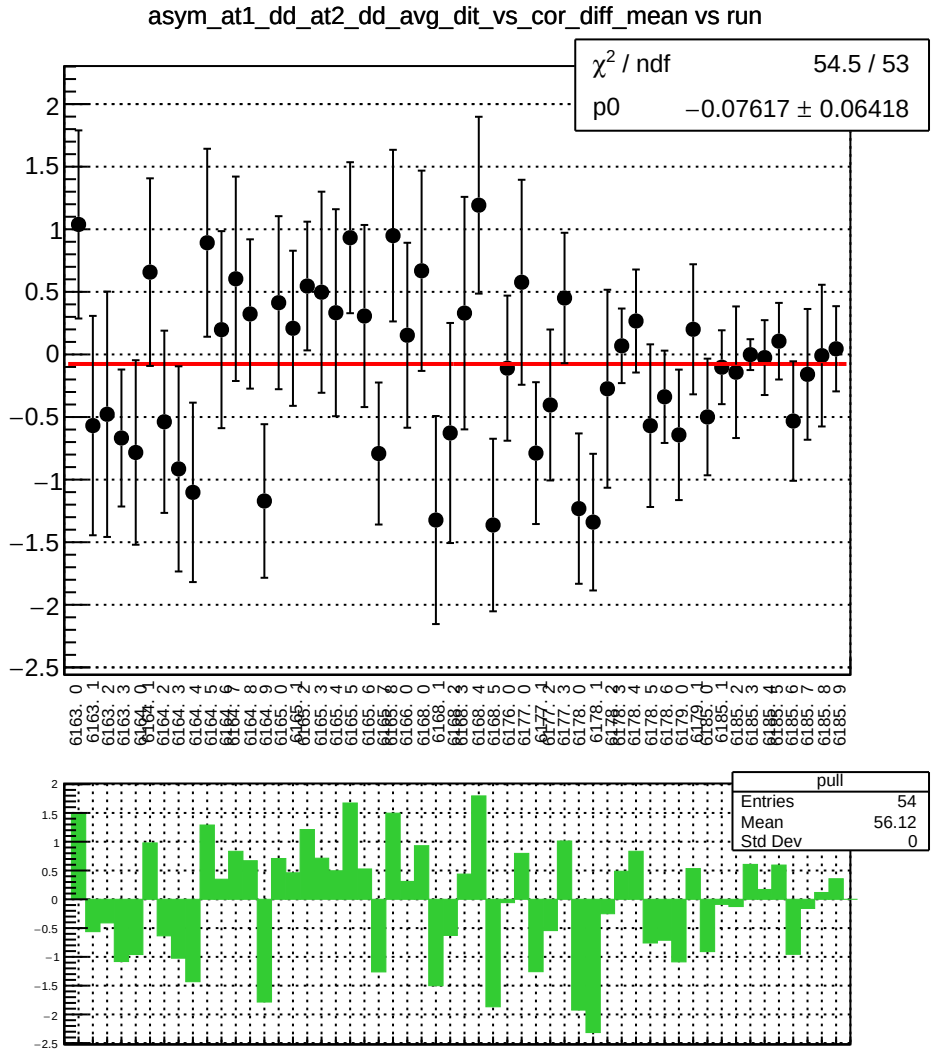

pull1D
Entries 54
Mean 0.0236
Std Dev 1.028

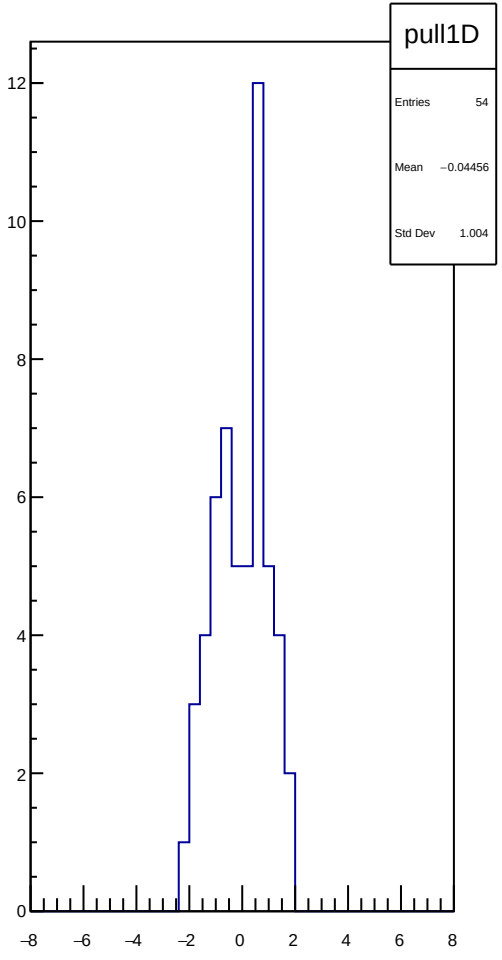

asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 3.519e+04 / 53
p0 2158 ± 2.16
3200
3000
2800
2600
2400
2200
2000
1800
1600
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

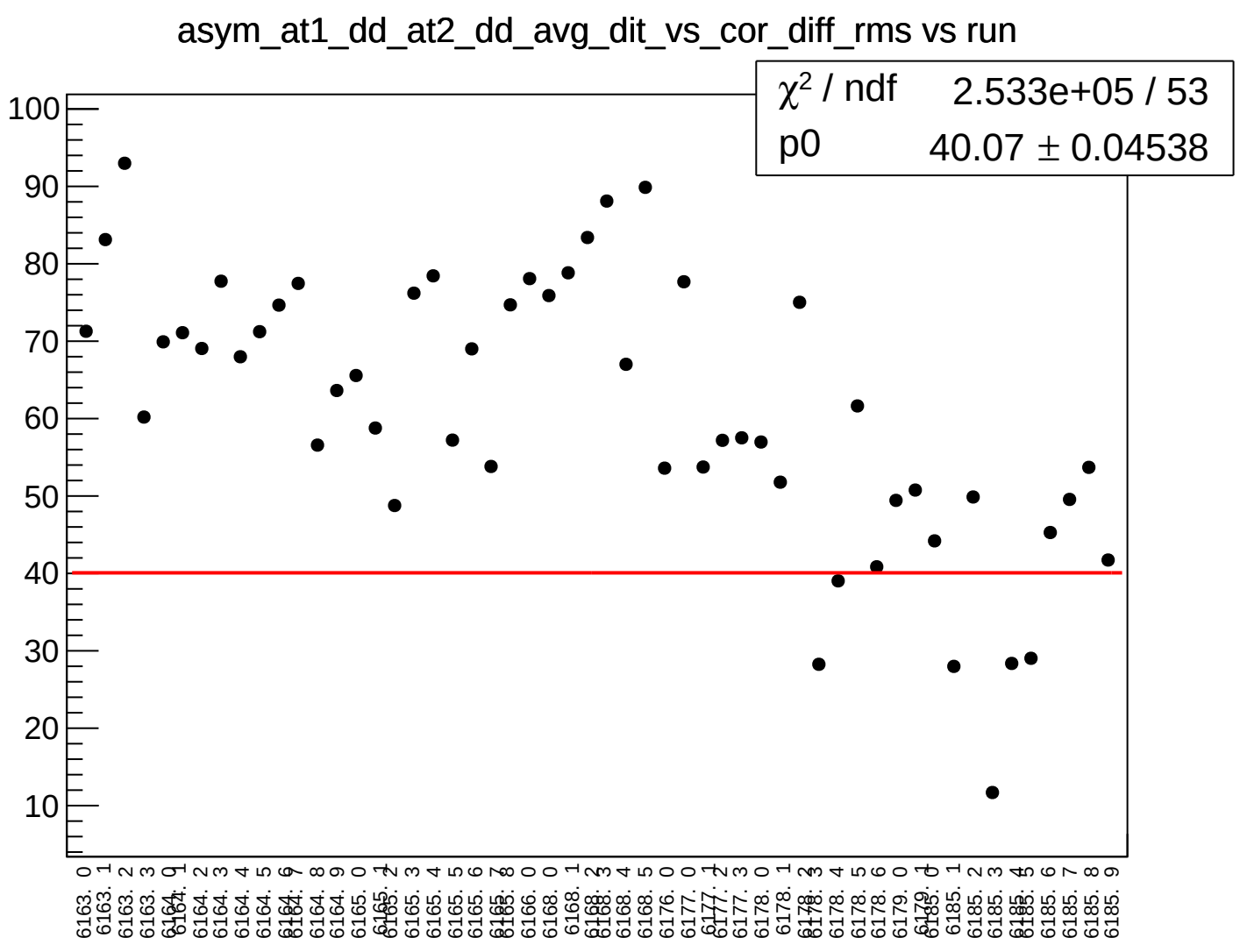

asym_at1_dd_at2_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 53 / 53
p0 3.724e−13 ± 2.141e−13
0.015
0.01
0.005
0
−0.005
−0.01
pull
Entries 54
Mean 45.41
Std Dev 1.52
2
1
0
−1
−2

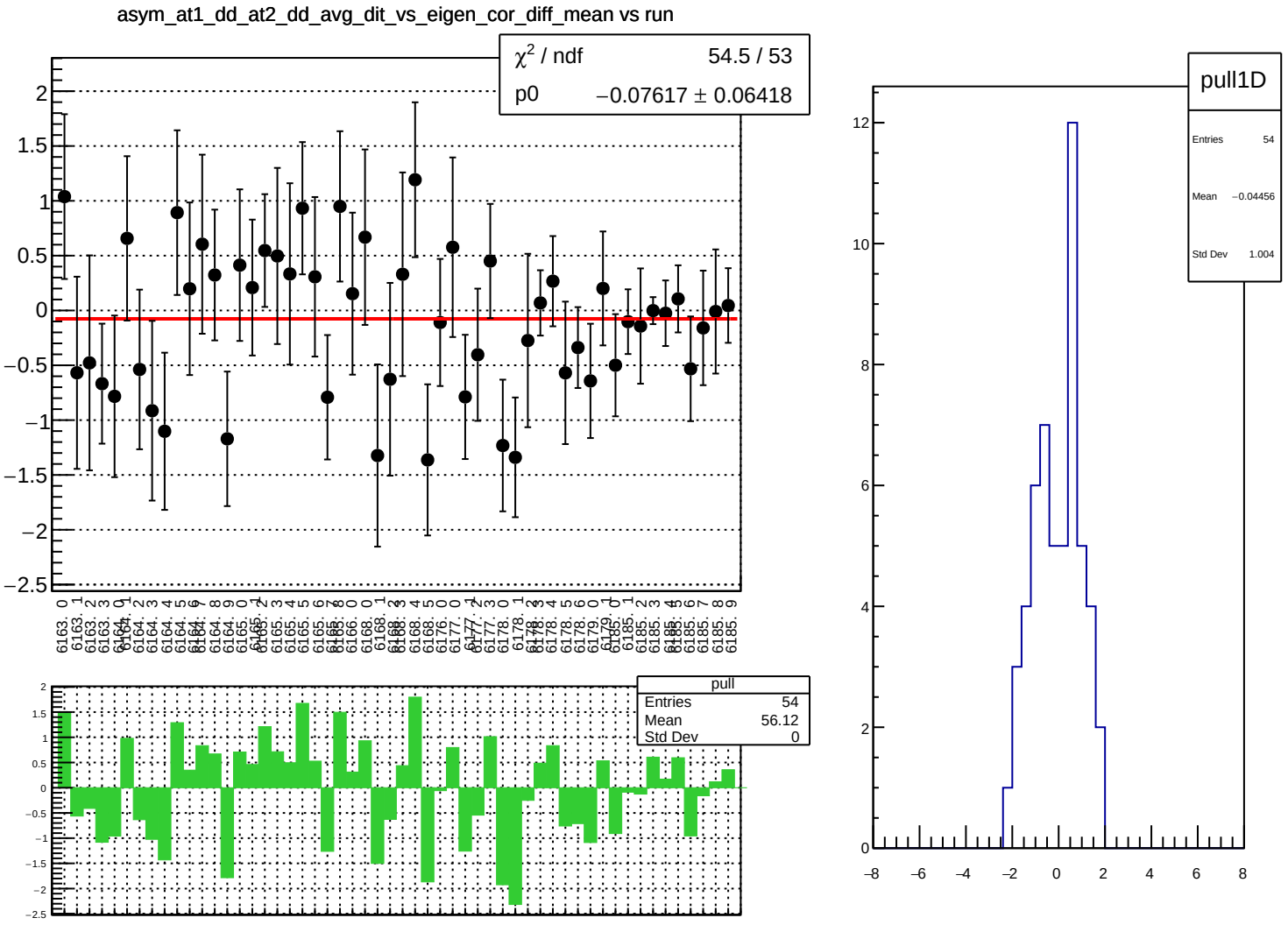

pull1D
Entries 54
Mean 0.1177
Std Dev 0.9837
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

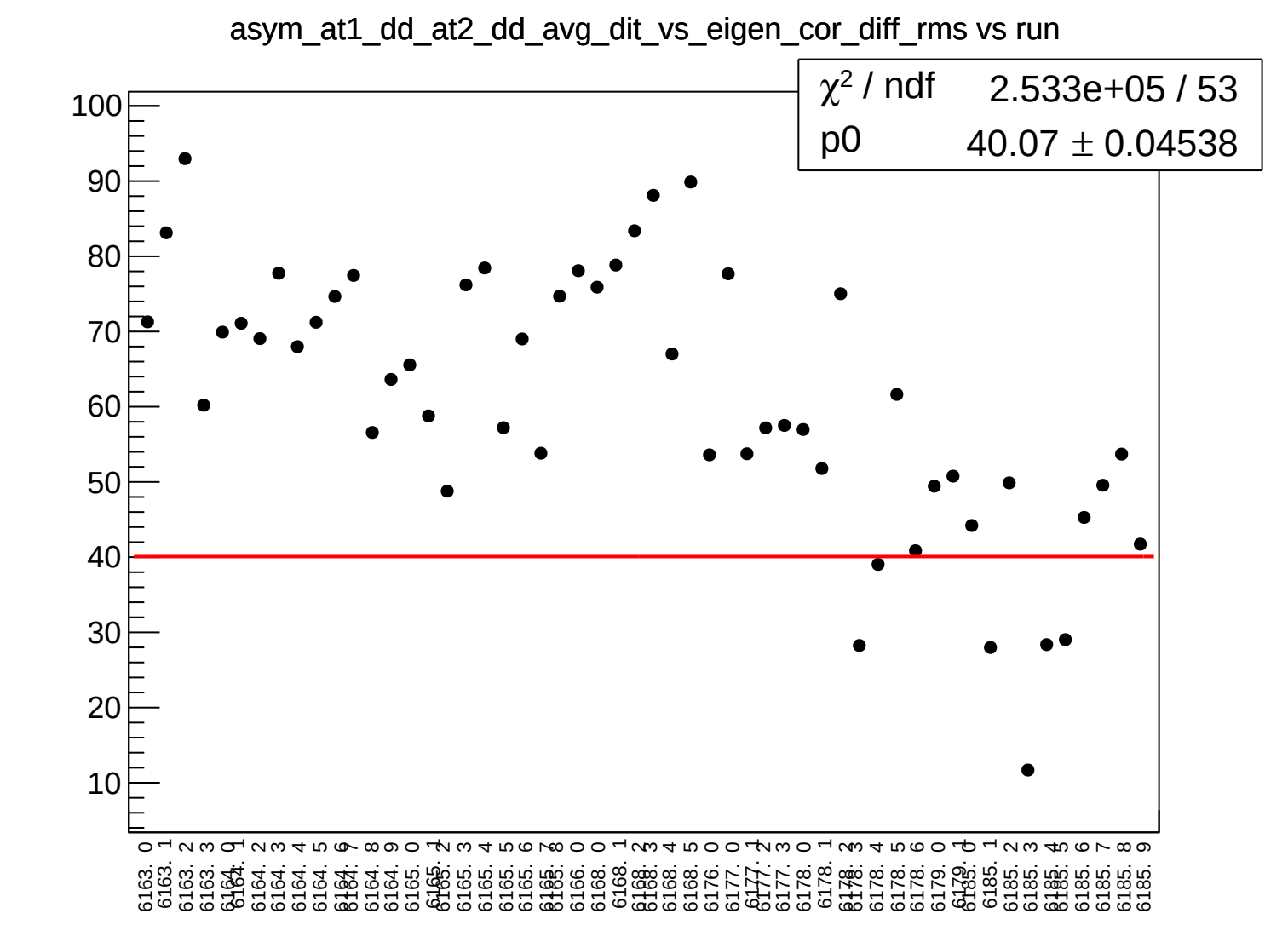

asym_at1_dd_at2_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 5.344e+05 / 53
p0 1.069e−10 ± 1.514e−13
0.5
0.4
0.3
0.2
0.1
0
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 6
6164. 7
6164. 8
6164. 9
6165. 0
6165. 1
6165. 2
6165. 3
6165. 4
6165. 5
6165. 6
6165. 7
6165. 8
6166. 0
6168. 0
6168. 1
6168. 2
6168. 3
6168. 4
6168. 5
6176. 0
6177. 0
6177. 1
6177. 2
6177. 3
6178. 0
6178. 1
6178. 2
6178. 3
6178. 4
6178. 5
6178. 6
6179. 0
6179. 1
6185. 0
6185. 1
6185. 2
6185. 3
6185. 4
6185. 5
6185. 6
6185. 7
6185. 8
6185. 9

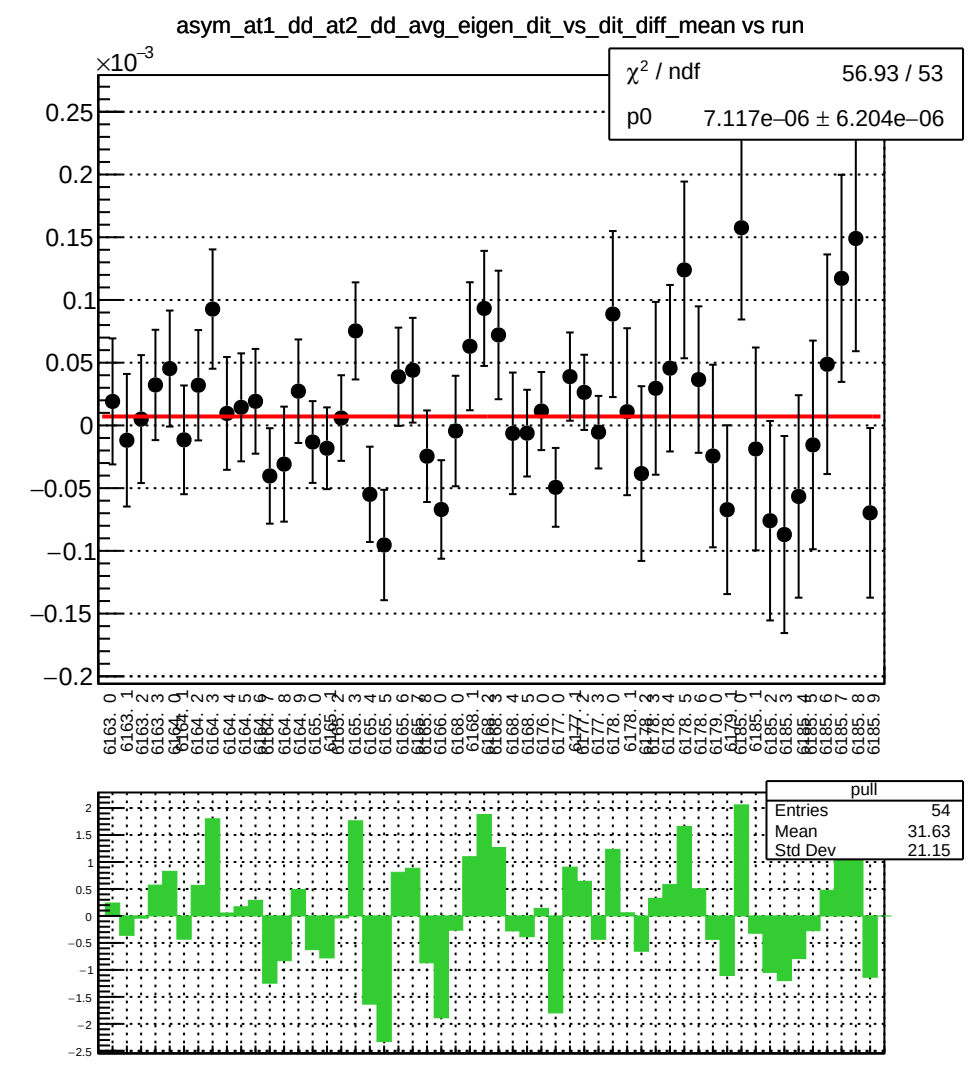

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 54.5 / 53
p0 −0.07617 ± 0.06418
pull
Entries 54
Mean 56.12
Std Dev 0

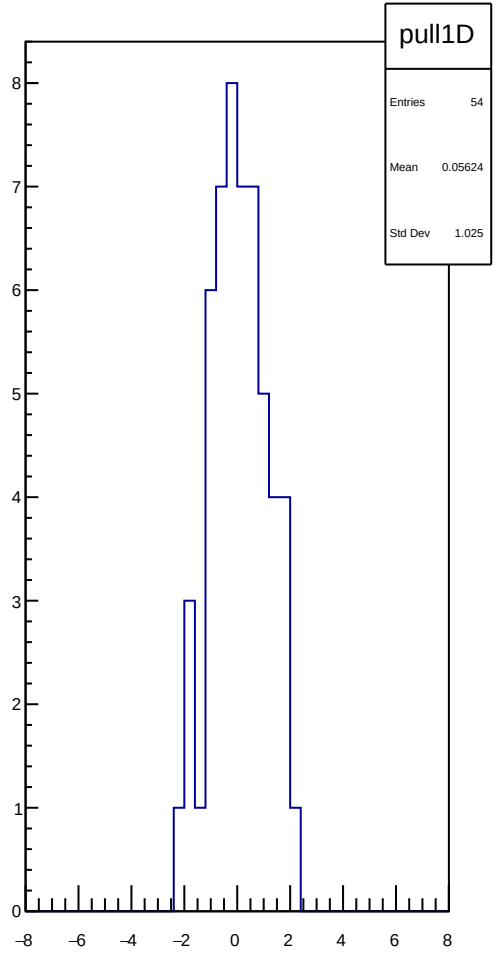

pull1D
Entries 54
Mean −0.04456
Std Dev 1.004

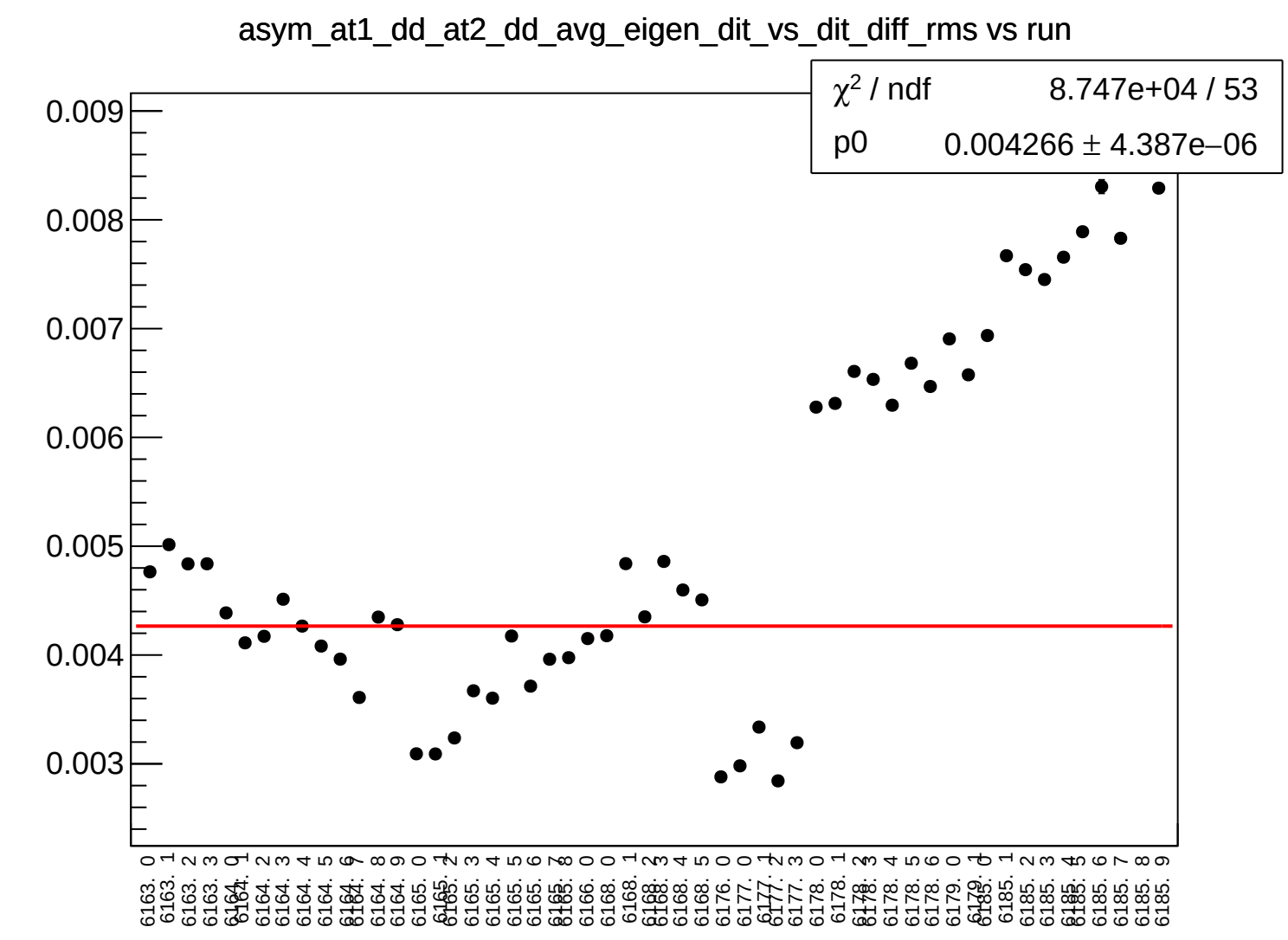

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 2.533e+05 / 53
p0 40.07 ± 0.04538
100
90
80
70
60
50
40
30
20
10
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

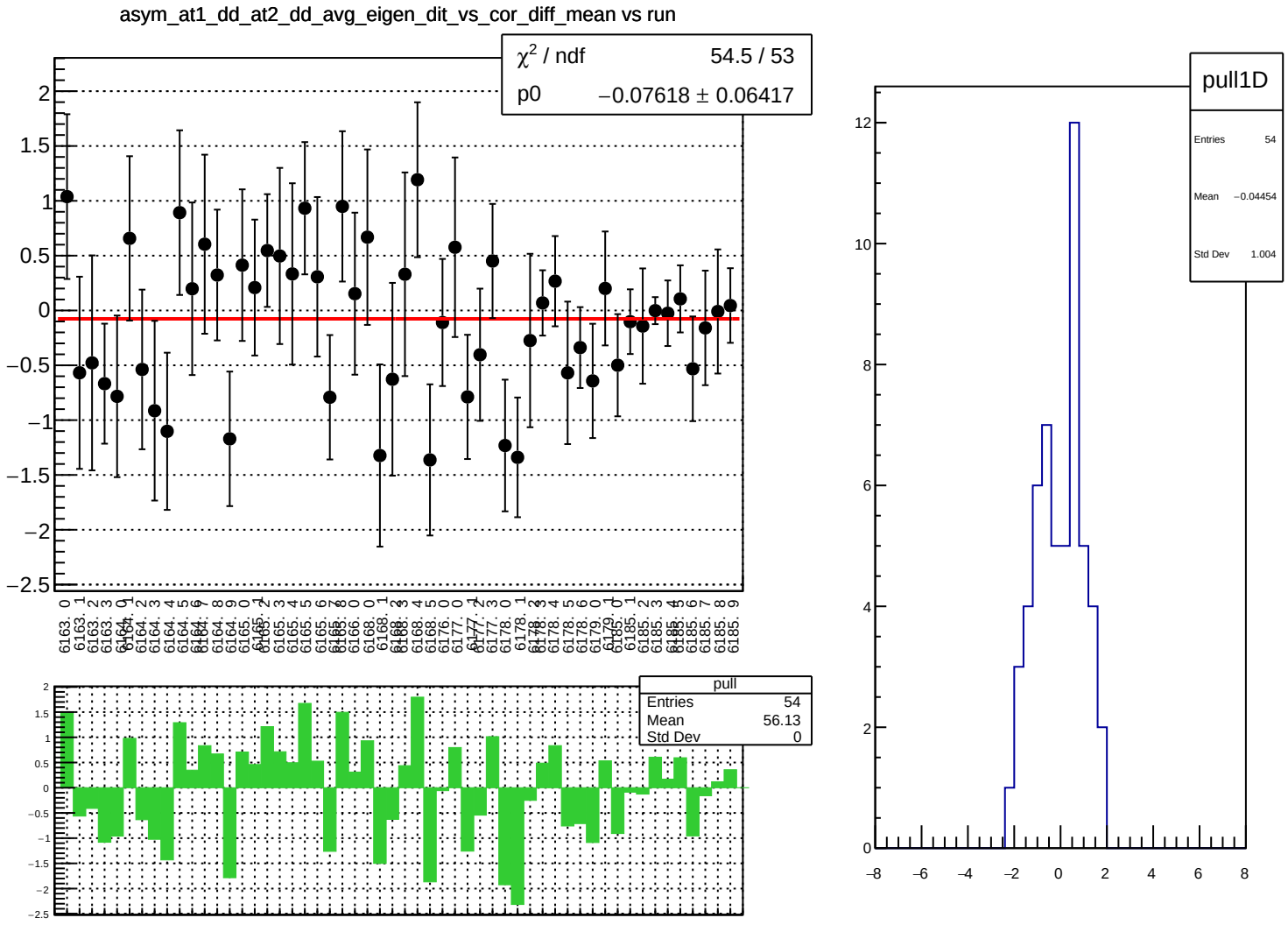

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 54.5 / 53
p0 −0.07617 ± 0.06418
pull
Entries 54
Mean 56.12
Std Dev 0
pull1D
Entries 54
Mean −0.04456
Std Dev 1.004

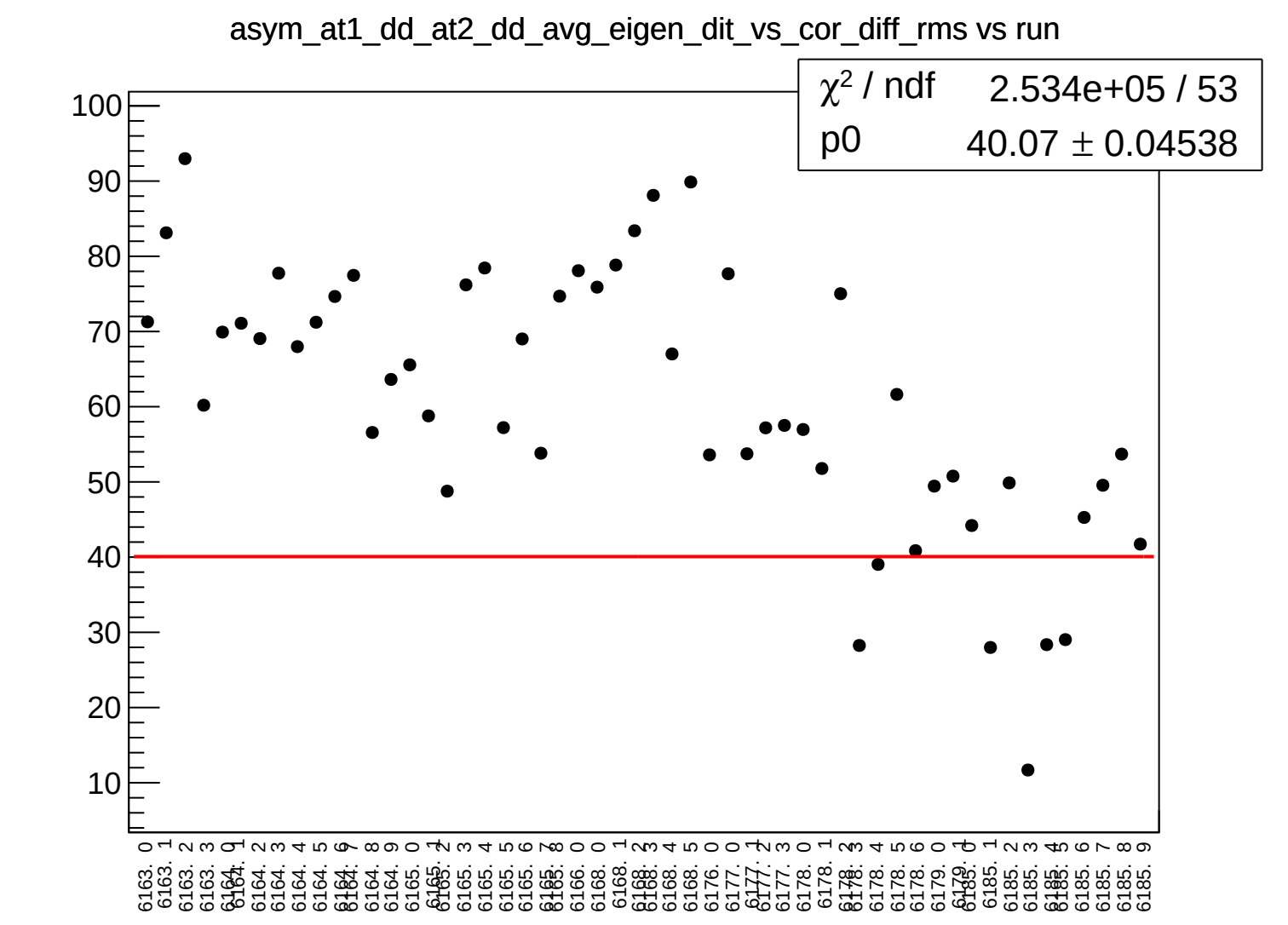

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.533e+05 / 53
p0 40.07 ± 0.04538
100
90
80
70
60
50
40
30
20
10
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

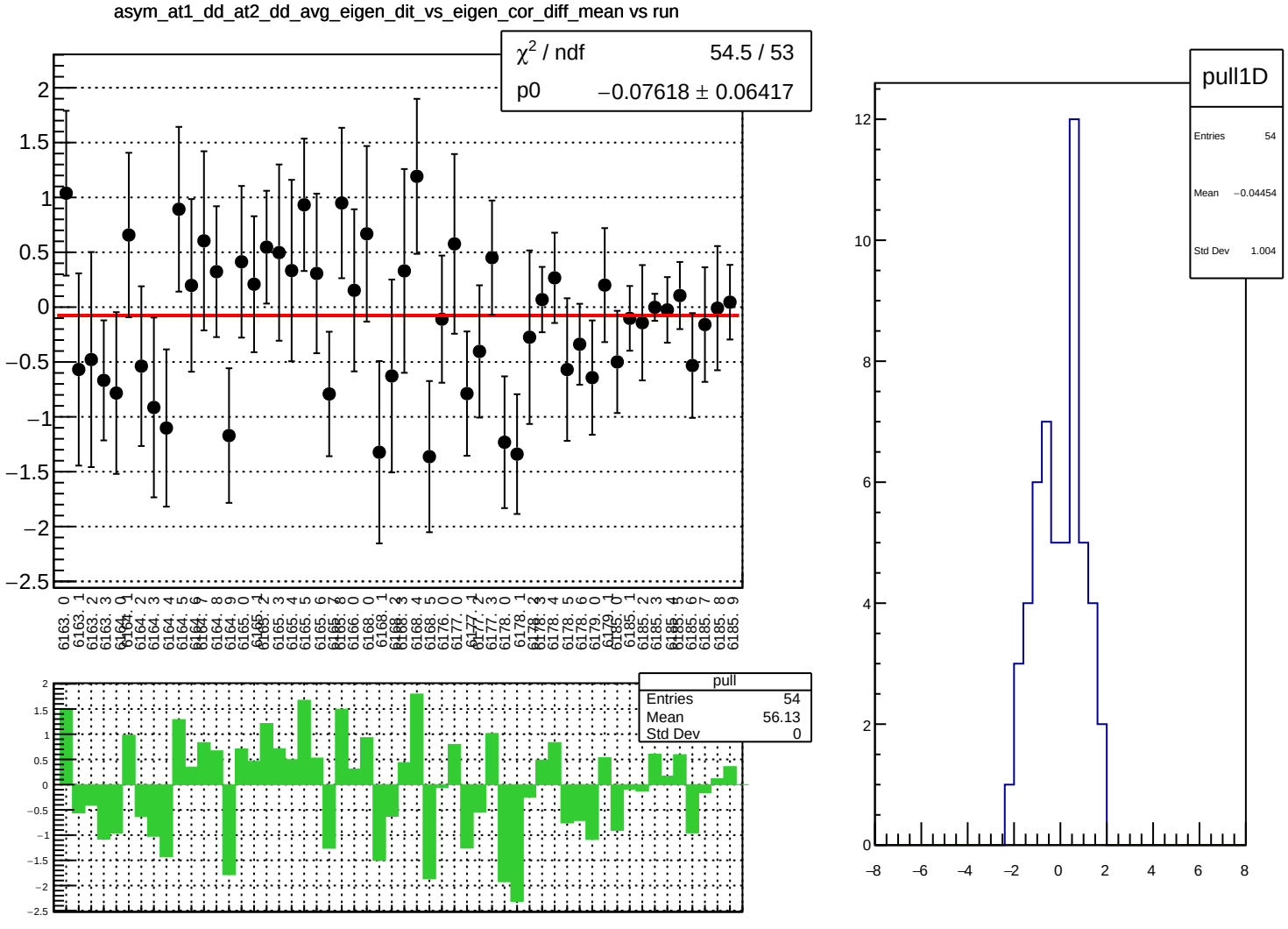

asym_at1_dd_at2_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 56.93 / 53
p0 7.117e−06 ± 6.204e−06
pull
Entries 54
Mean 31.63
Std Dev 21.15

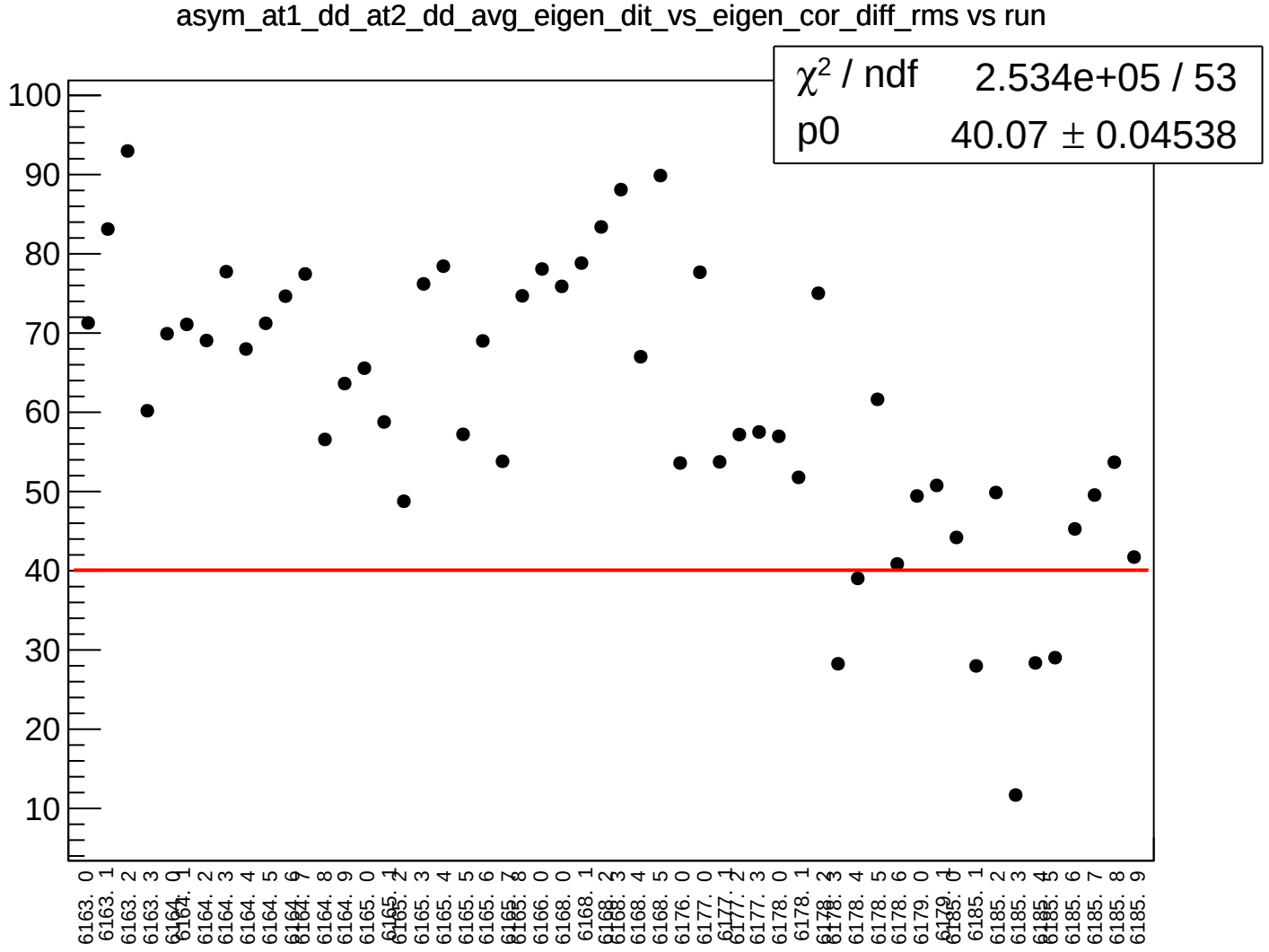

pull1D
Entries 54
Mean 0.05624
Std Dev 1.025

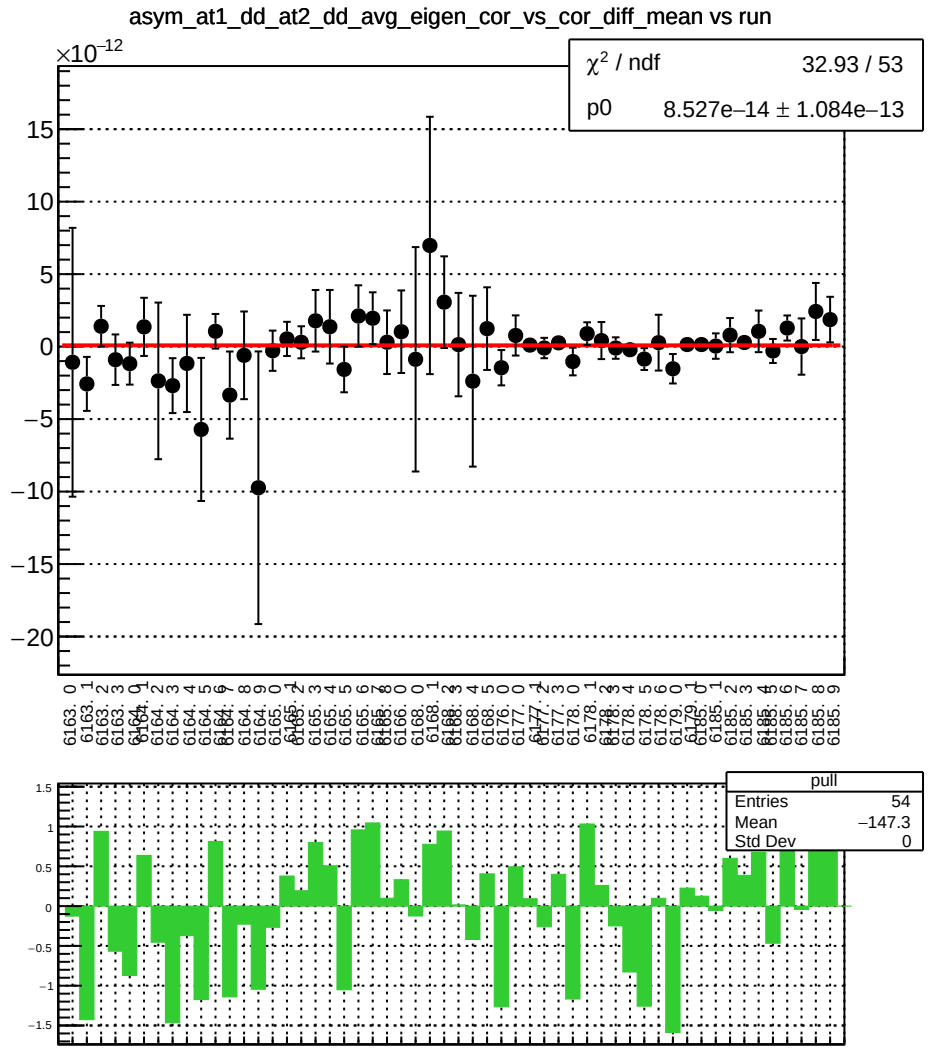

asym_at1_dd_at2_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 8.747e+04 / 53
p0 0.004266 ± 4.387e−06
0.009
0.008
0.007
0.006
0.005
0.004
0.003
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 2
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

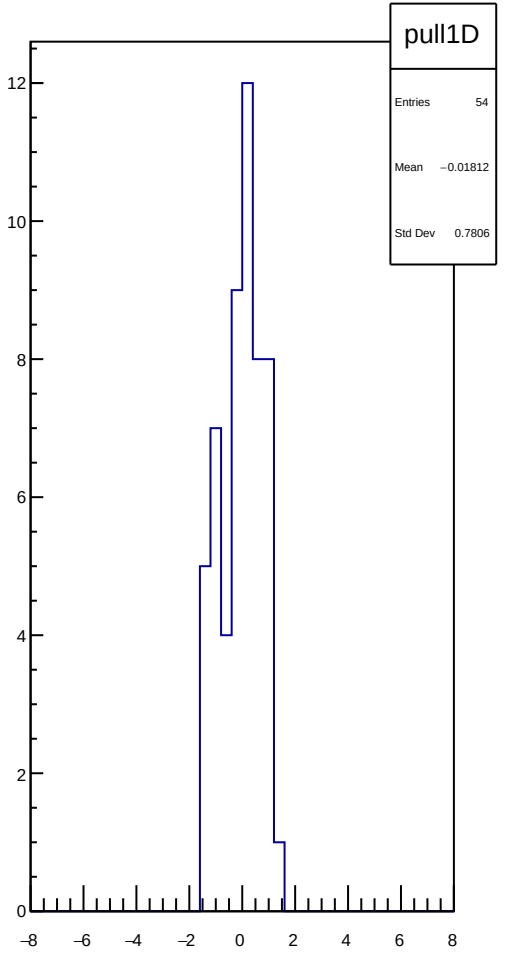

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 54.5 / 53
p0 −0.07618 ± 0.06417
pull
Entries 54
Mean 56.13
Std Dev 0
pull1D
Entries 54
Mean −0.04454
Std Dev 1.004

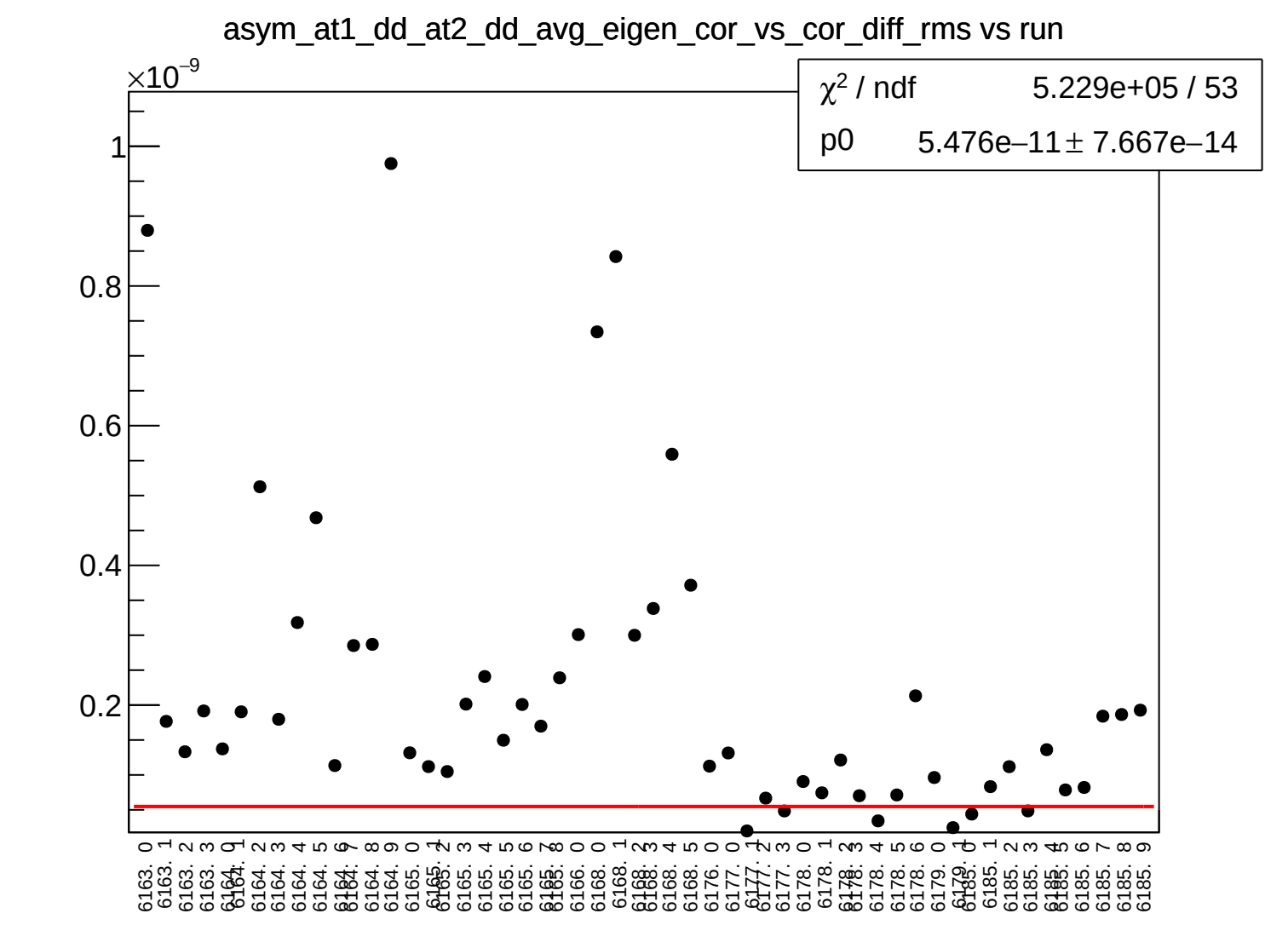

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.534e+05 / 53
p0 40.07 ± 0.04538
100
90
80
70
60
50
40
30
20
10
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

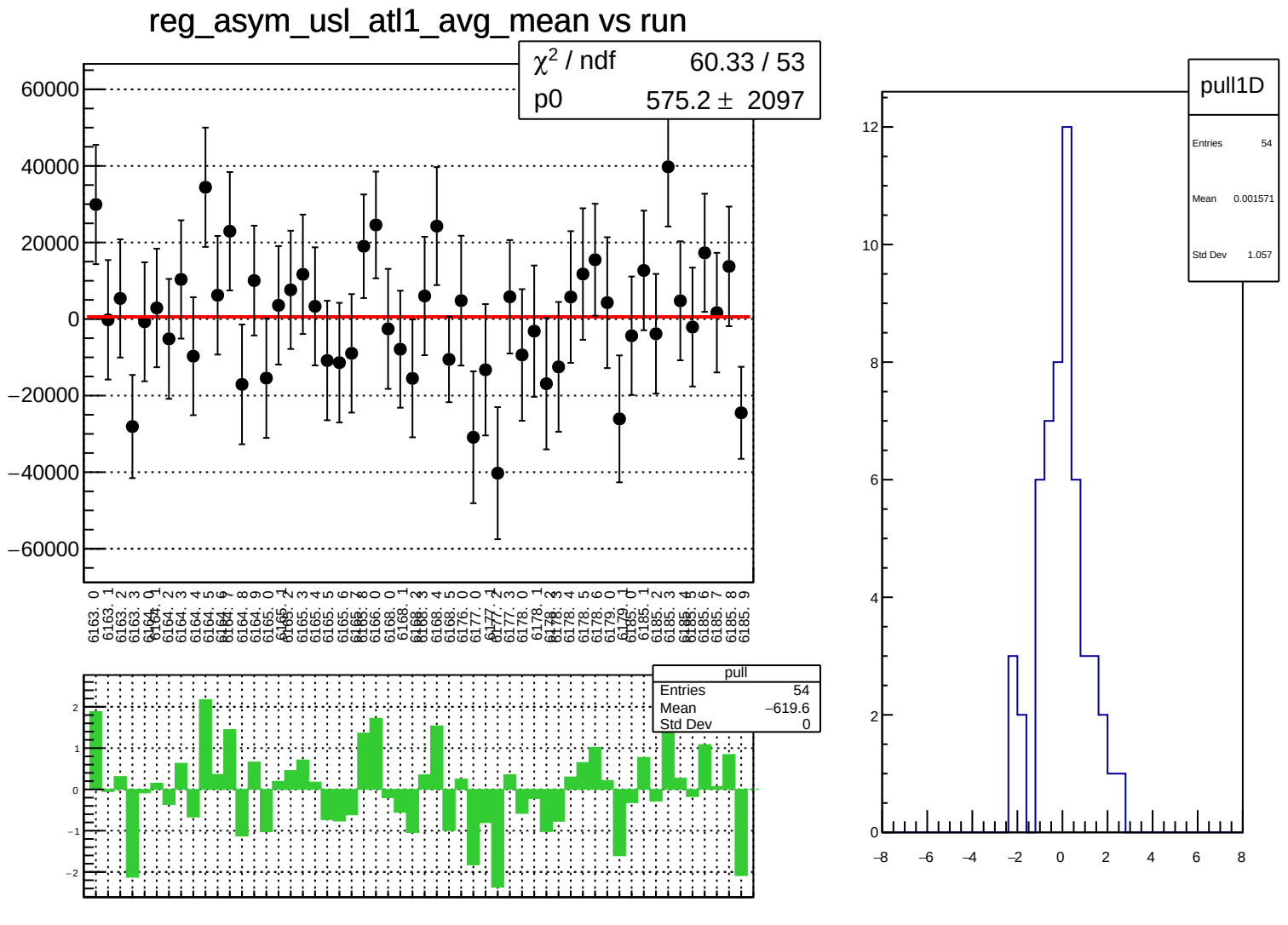

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 54.5 / 53
p0 −0.07618 ± 0.06417
pull
Entries 54
Mean 56.13
Std Dev 0
pull1D
Entries 54
Mean −0.04454
Std Dev 1.004

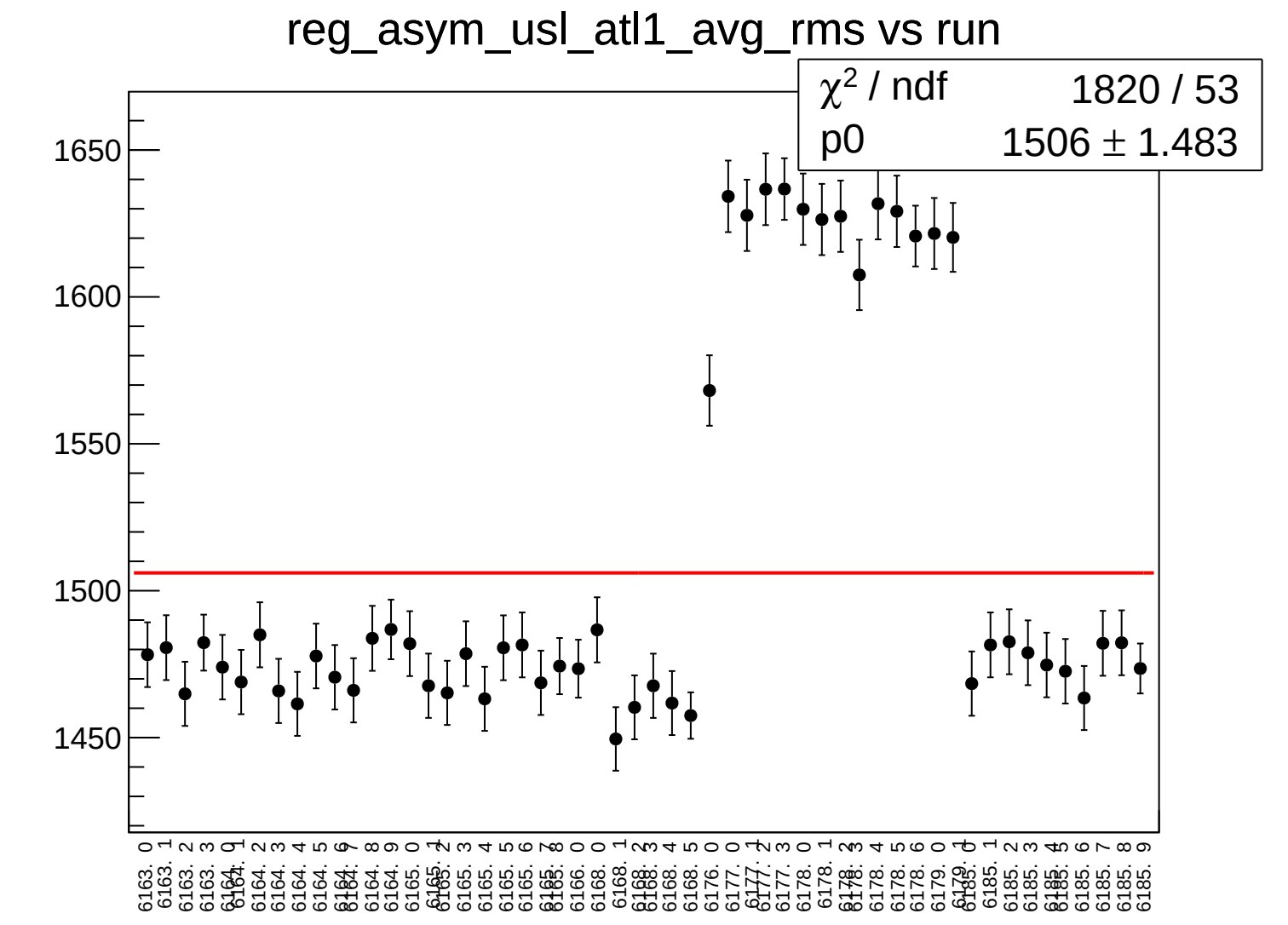

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.534e+05 / 53
p0 40.07 ± 0.04538
100
90
80
70
60
50
40
30
20
10
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

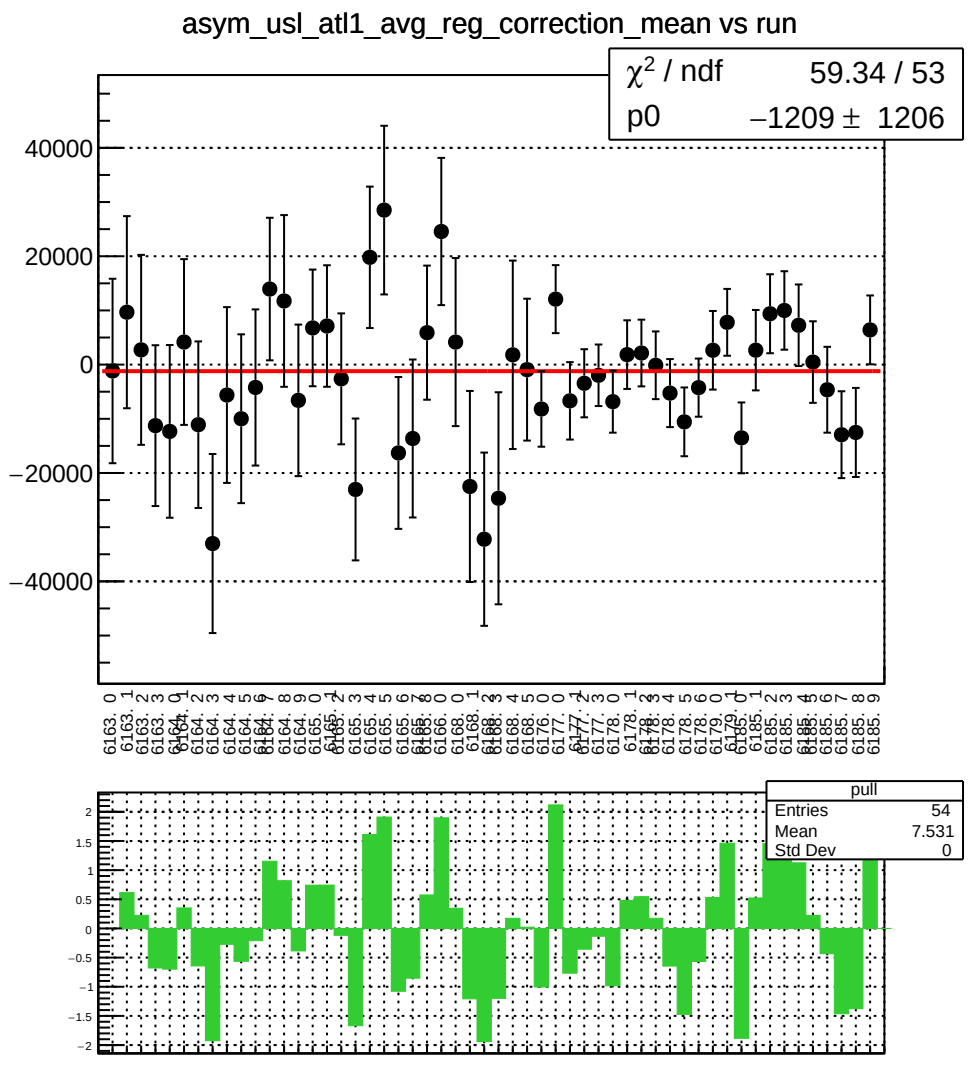

asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 32.93 / 53
p0 8.527e−14 ± 1.084e−13
pull
Entries 54
Mean −147.3
Std Dev 0

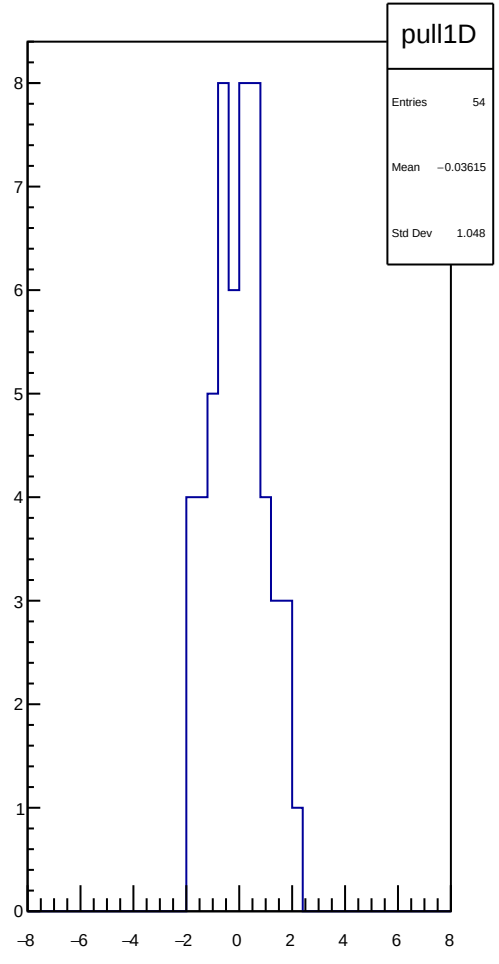

pull1D
Entries 54
Mean −0.01812
Std Dev 0.7806

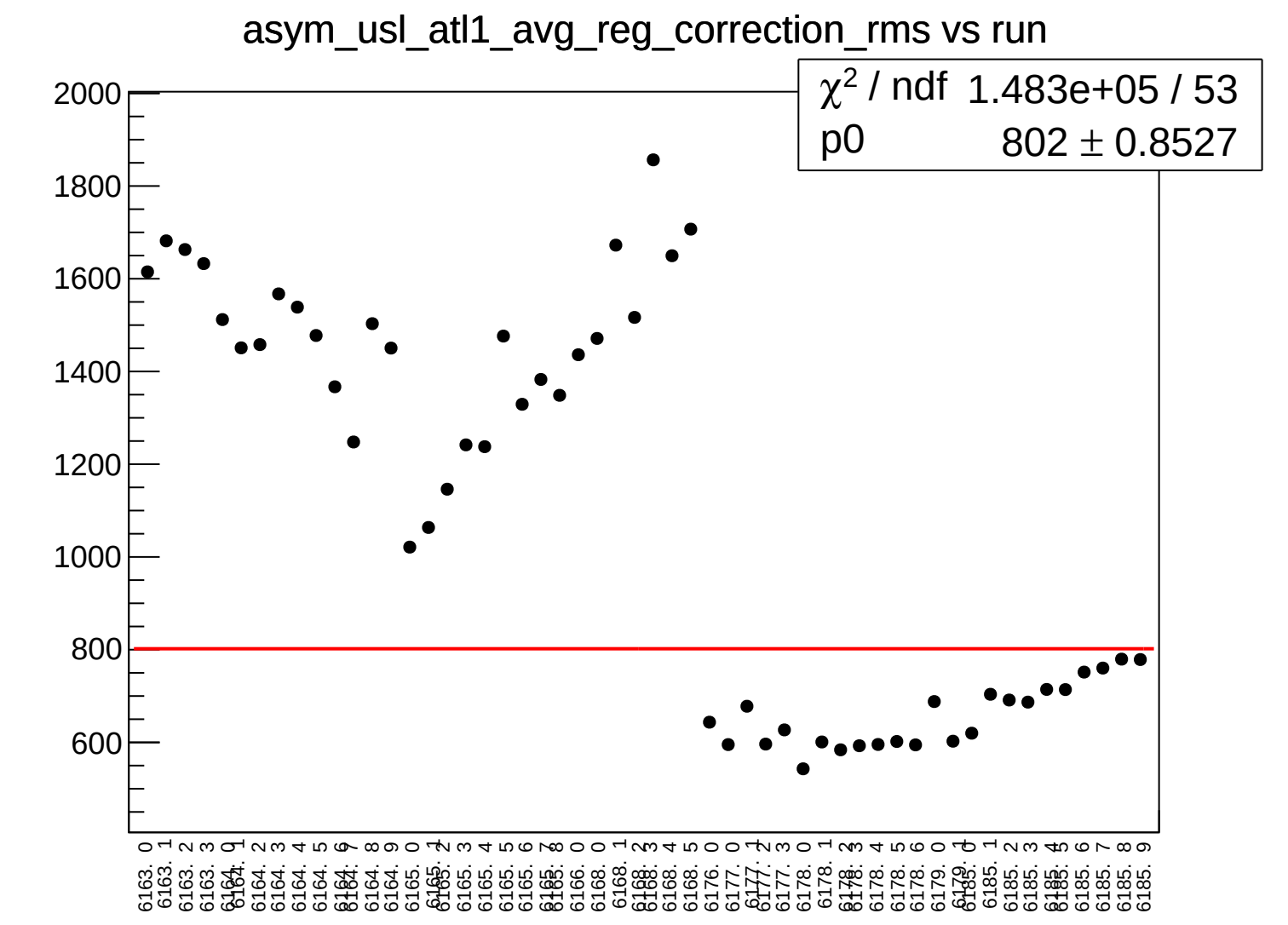

asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.229e+05 / 53
p0 5.476e−11 ± 7.667e−14
1
0.8
0.6
0.4
0.2
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 5
6185. 6
6185. 7
6185. 8
6185. 9


reg_asym_usl_atl1_avg_mean vs run
χ² / ndf 60.33 / 53
p0 575.2 ± 2097
pull
Entries 54
Mean −619.6
Std Dev 0
pull1D
Entries 54
Mean 0.001571
Std Dev 1.057


reg_asym_usl_atl1_avg_rms vs run
χ² / ndf 1820 / 53
p0 1506 ± 1.483
1650
1600
1550
1500
1450
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


asym_usl_atl1_avg_reg_correction_mean vs run
χ² / ndf 59.34 / 53
p0 −1209 ± 1206
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 7.531
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 54
Mean −0.03615
Std Dev 1.048
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_usl_atl1_avg_reg_correction_rms vs run
χ² / ndf 1.483e+05 / 53
p0 802 ± 0.8527
2000
1800
1600
1400
1200
1000
800
600
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
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6179. 0
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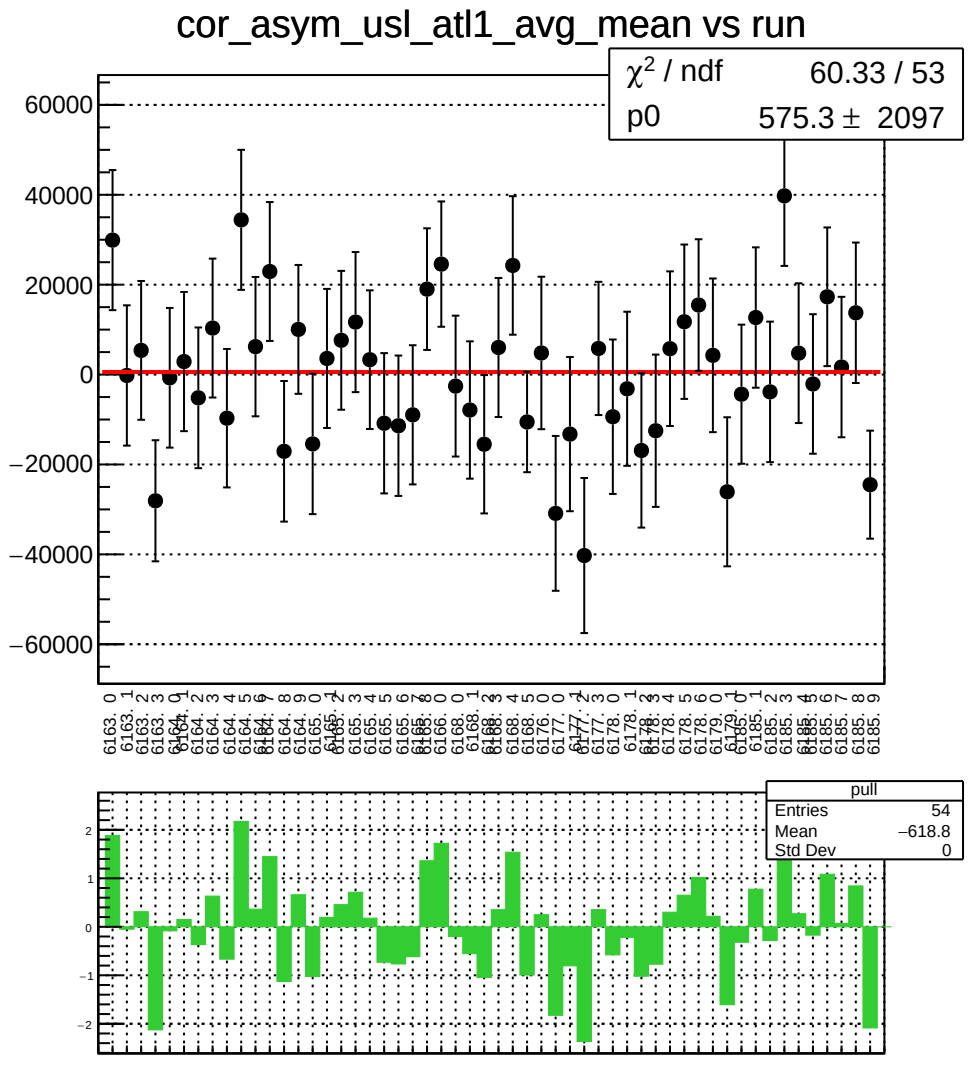
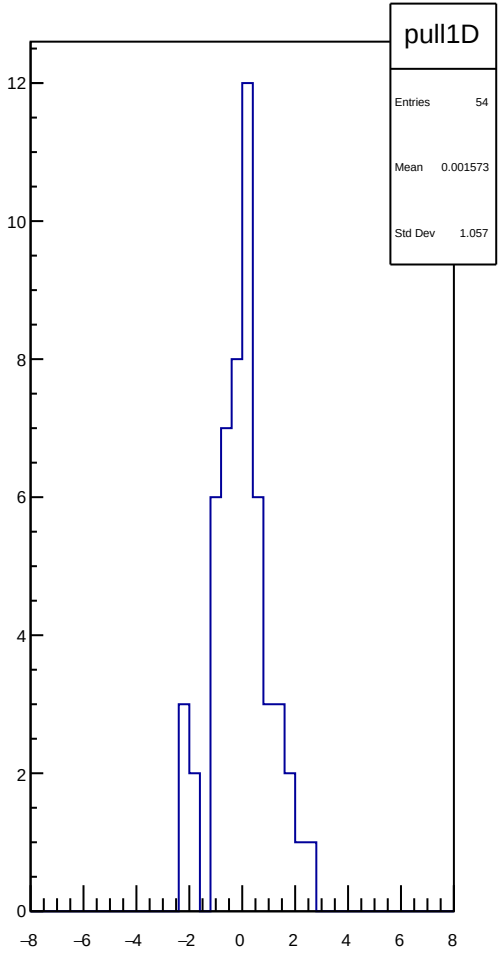
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


cor_asym_usl_atl1_avg_mean vs run
χ² / ndf 60.33 / 53
p0 575.3 ± 2097
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean −618.8
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 54
Mean 0.001573
Std Dev 1.057
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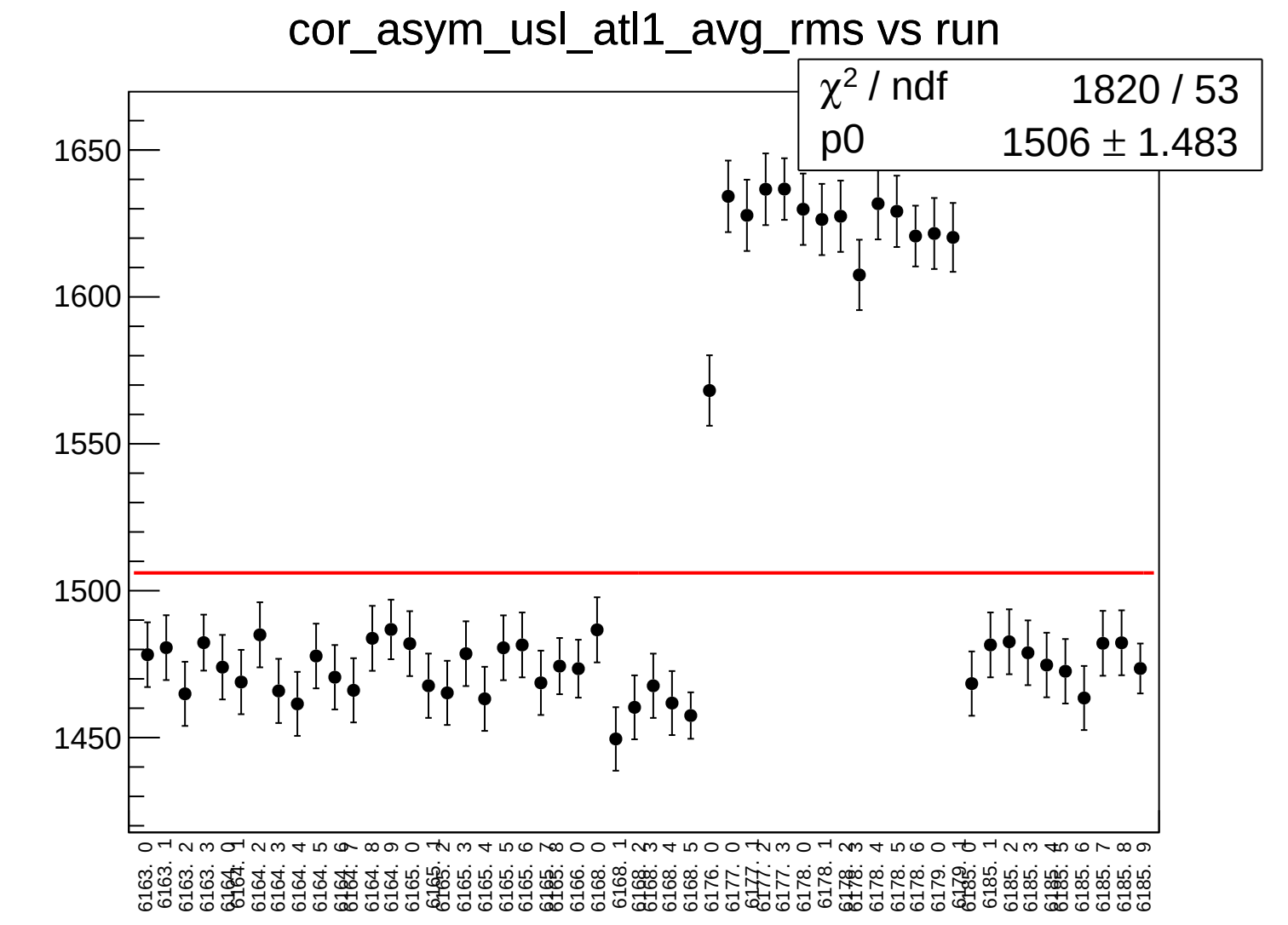
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_usl_atl1_avg_rms vs run
χ² / ndf 1820 / 53
p0 1506 ± 1.483
1650
1600
1550
1500
1450
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
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6179. 0
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6185. 3
6185. 6
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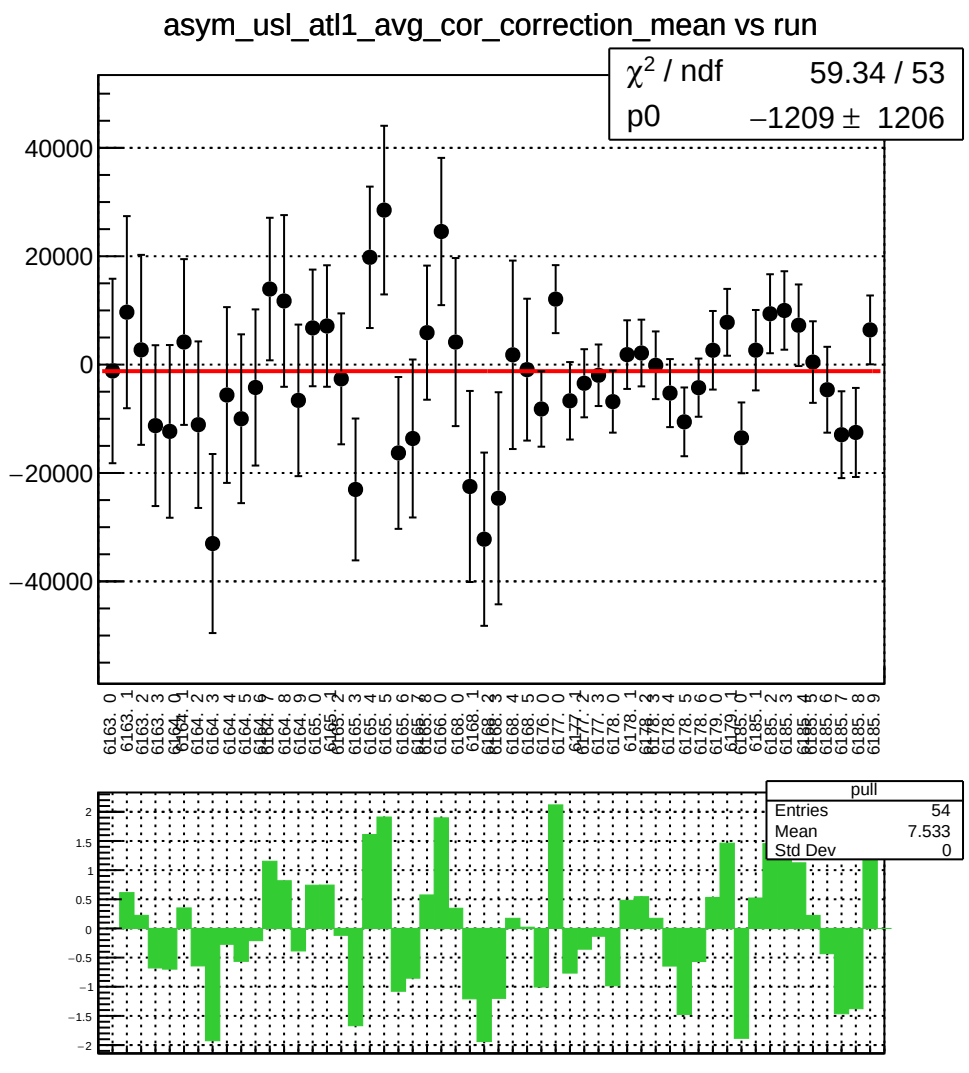
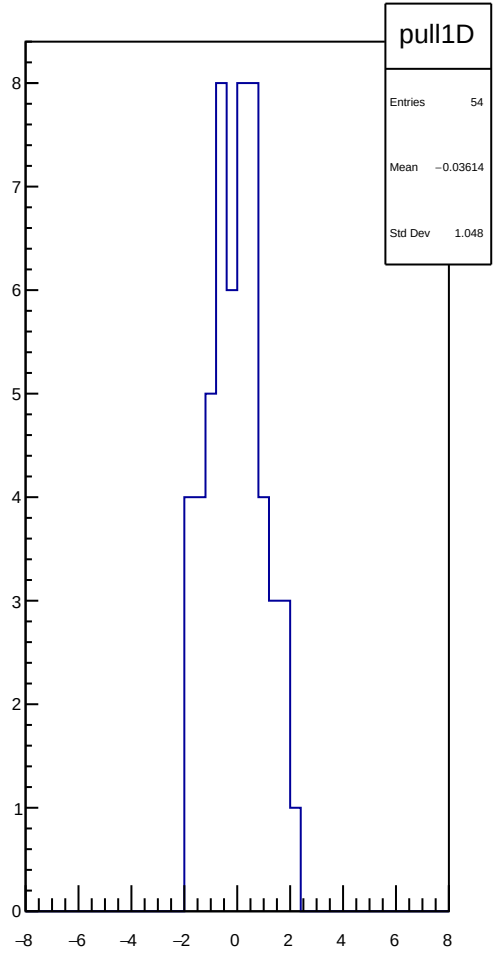
6185. 8
6185. 9


asym_usl_atl1_avg_cor_correction_mean vs run
χ² / ndf 59.34 / 53
p0 −1209 ± 1206
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 7.533
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 54
Mean −0.03614
Std Dev 1.048
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7
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5
4
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2
1
0
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−4
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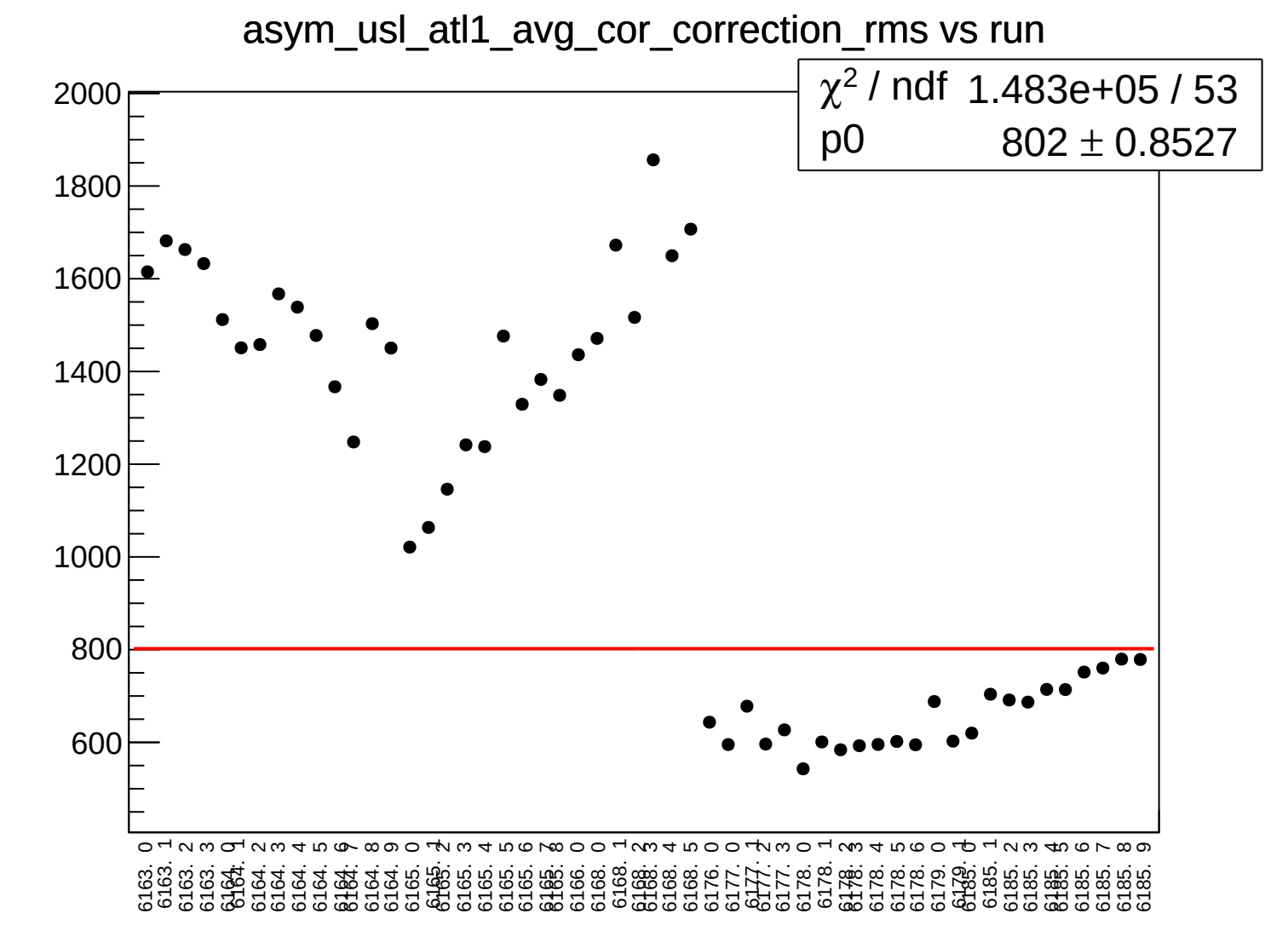
0
2
4
6
8


asym_usl_atl1_avg_cor_correction_rms vs run
χ² / ndf 1.483e+05 / 53
p0 802 ± 0.8527
2000
1800
1600
1400
1200
1000
800
600
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
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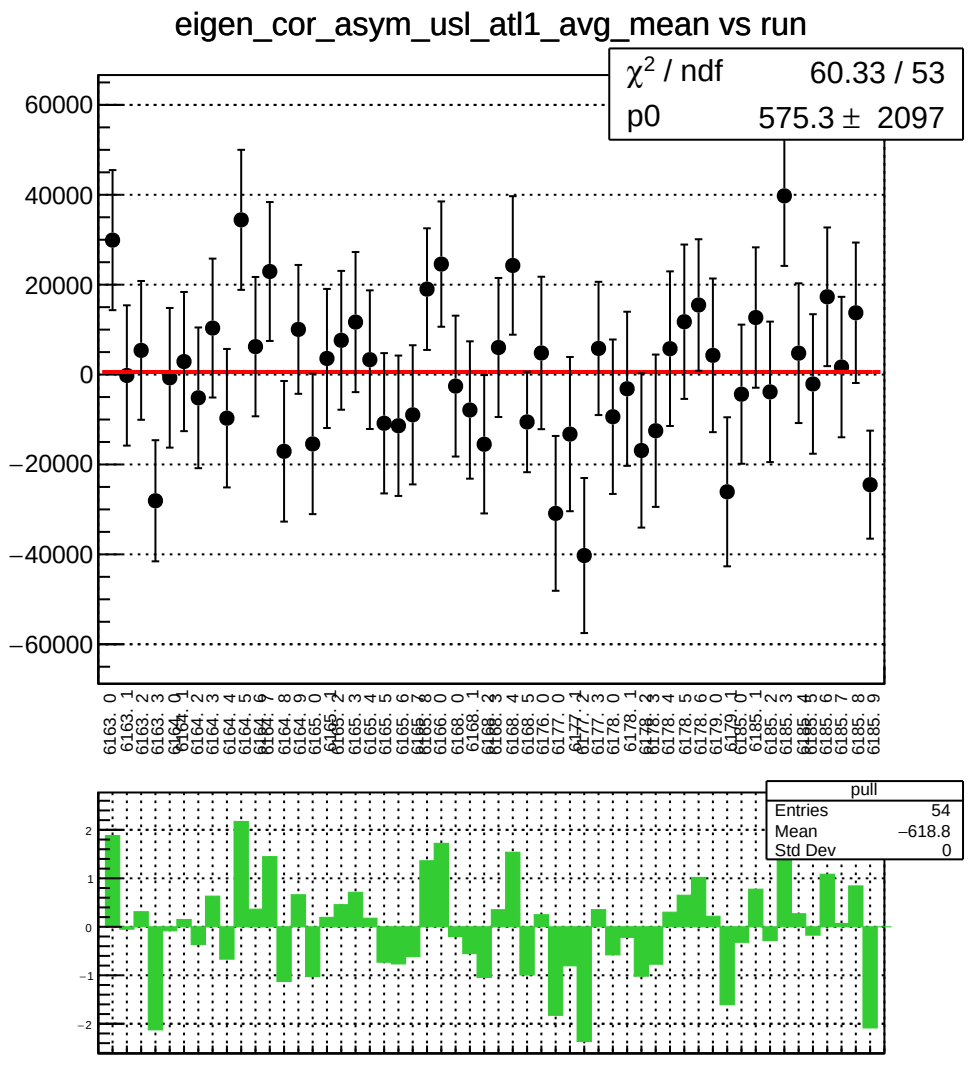
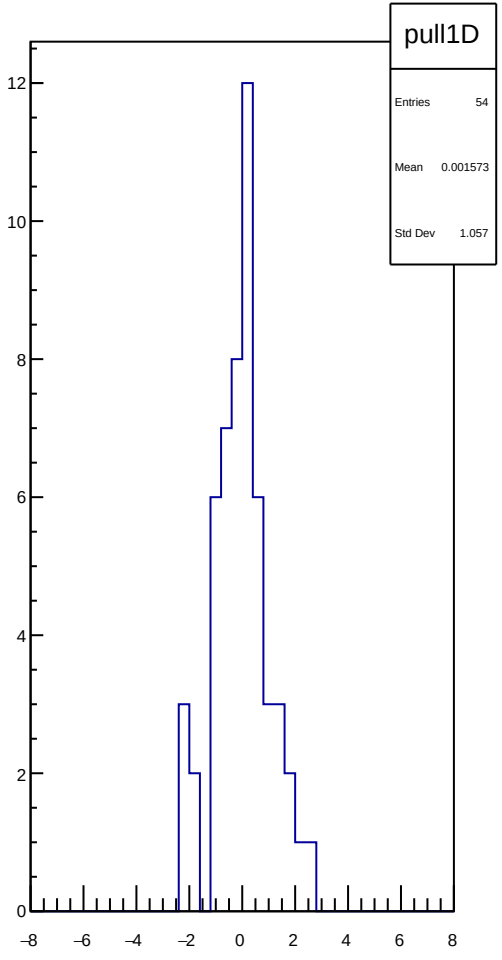
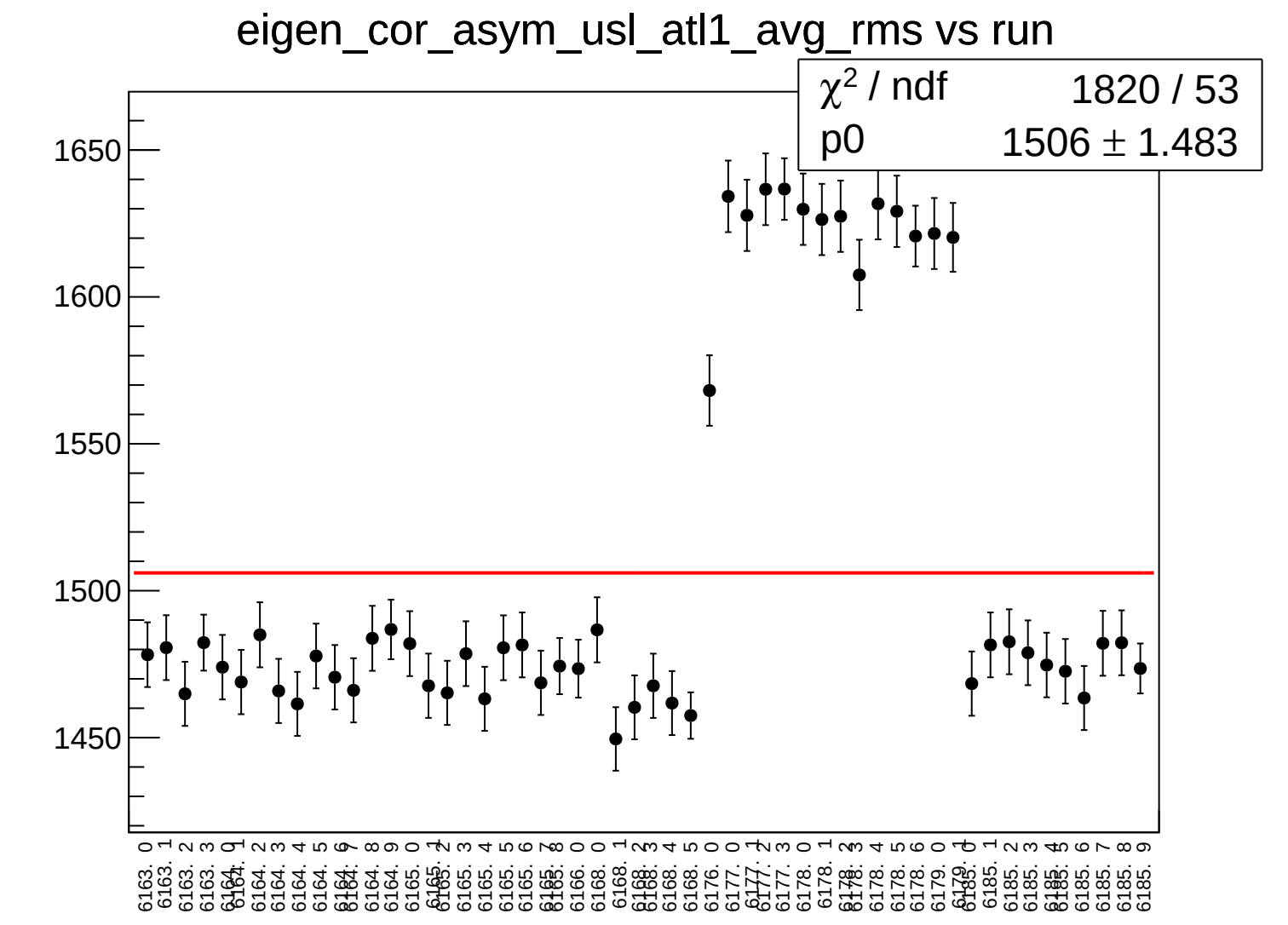
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


eigen_cor_asym_usl_atl1_avg_mean vs run
χ² / ndf 60.33 / 53
p0 575.3 ± 2097
pull
Entries 54
Mean −618.8
Std Dev 0


pull1D
Entries 54
Mean 0.001573
Std Dev 1.057


eigen_cor_asym_usl_atl1_avg_rms vs run
χ² / ndf 1820 / 53
p0 1506 ± 1.483
1650
1600
1550
1500
1450
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
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6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
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6185. 6
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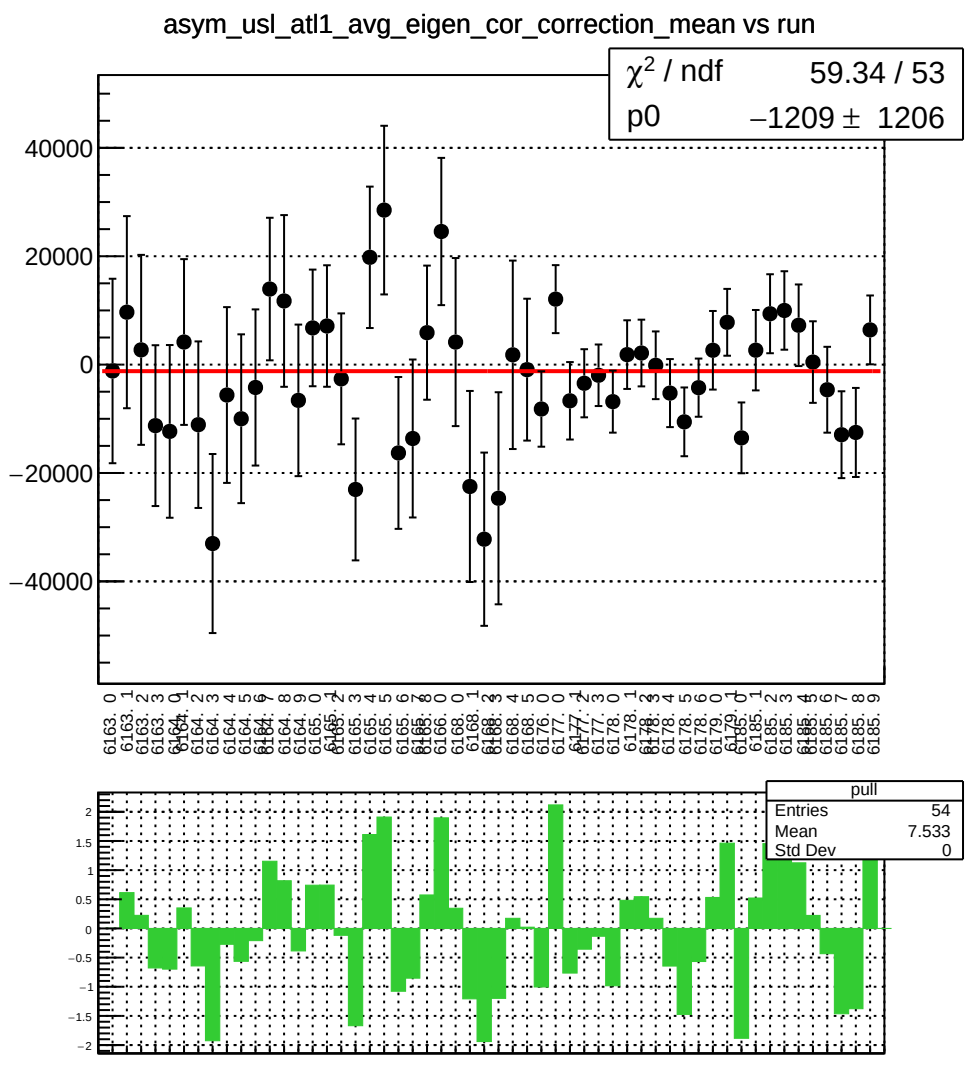
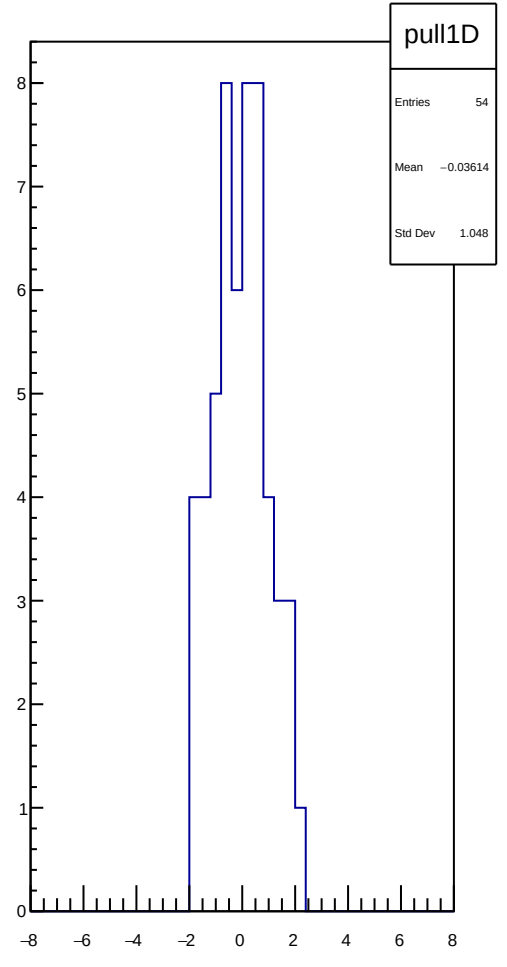
6185. 8
6185. 9


asym_usl_atl1_avg_eigen_cor_correction_mean vs run
χ² / ndf 59.34 / 53
p0 −1209 ± 1206
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 7.533
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 54
Mean −0.03614
Std Dev 1.048
8
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2
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6
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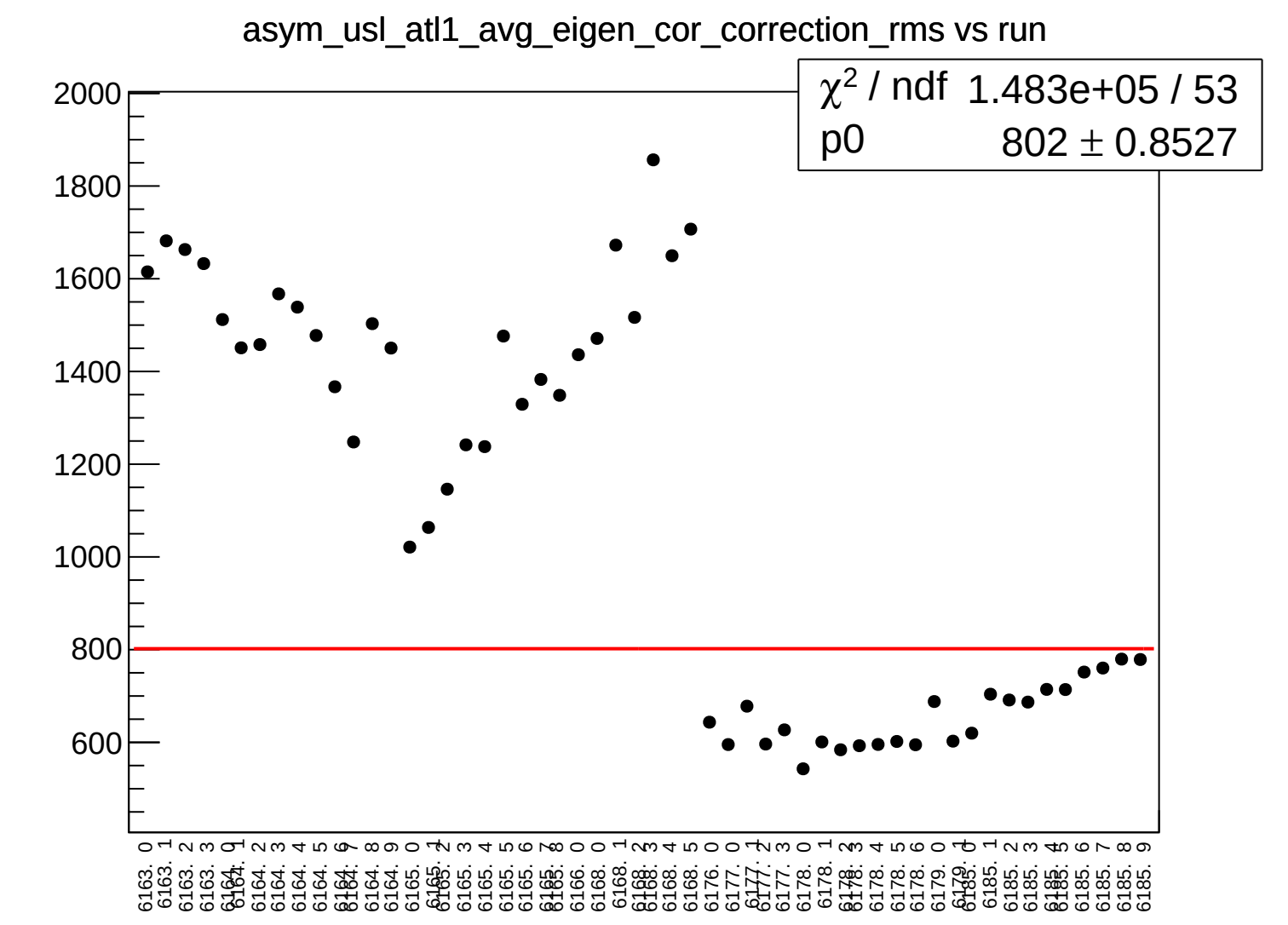
asym_usl_atl1_avg_eigen_cor_correction_rms vs run
χ² / ndf 1.483e+05 / 53
p0 802 ± 0.8527
2000
1800
1600
1400
1200
1000
800
600
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
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6165. 6
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
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6179. 0
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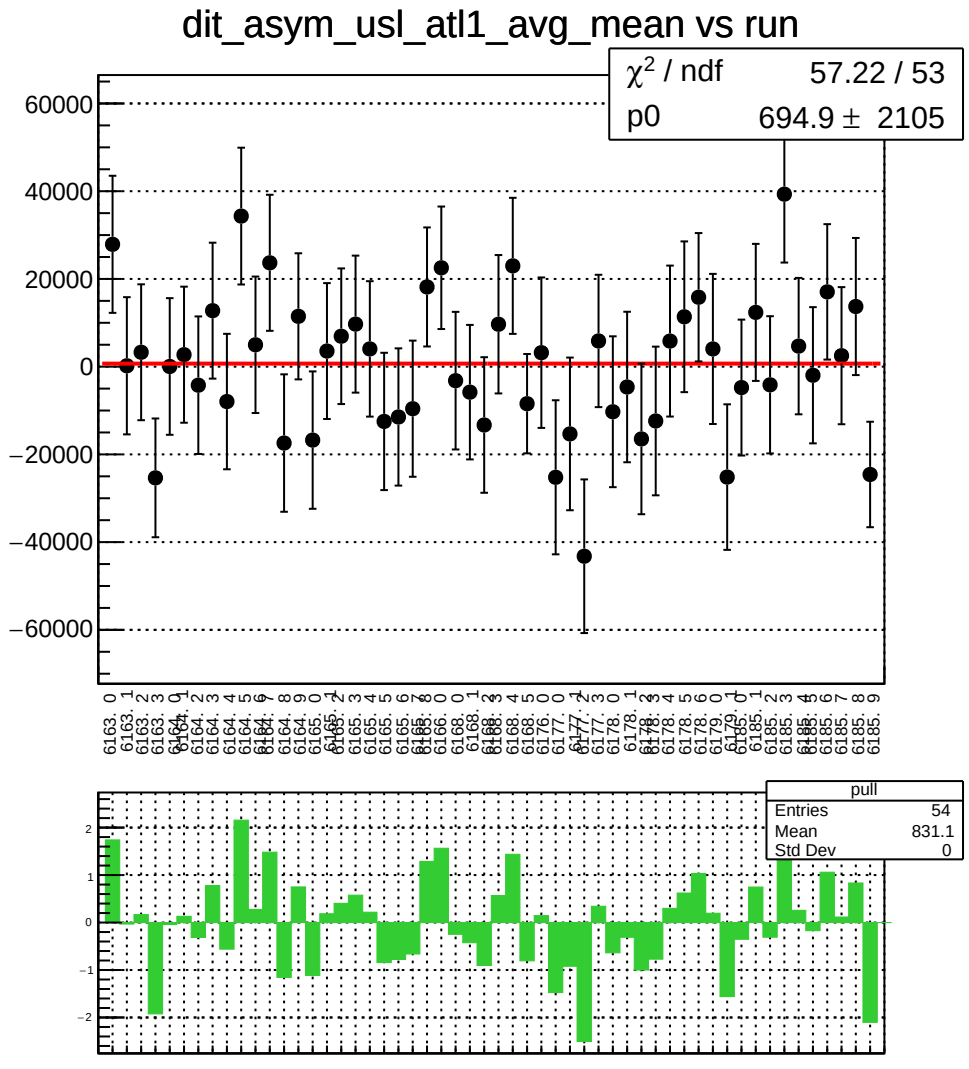
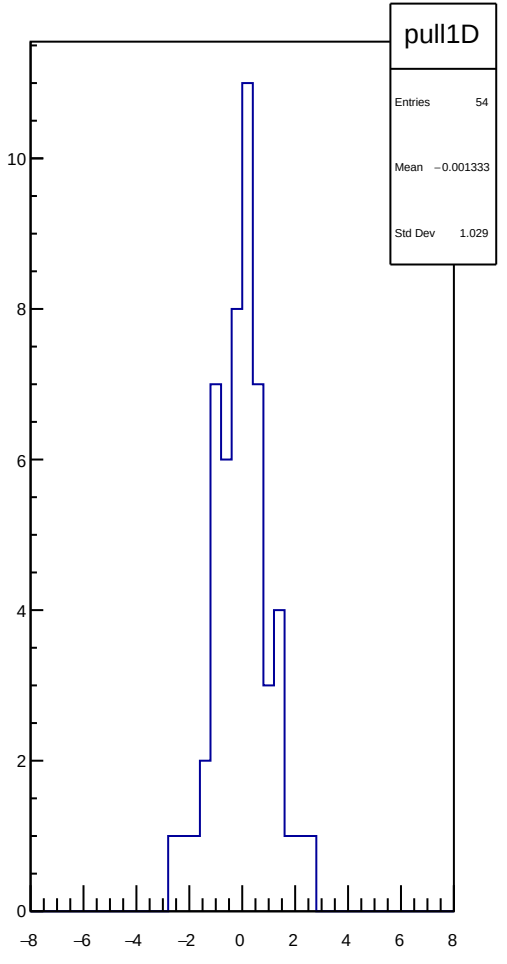
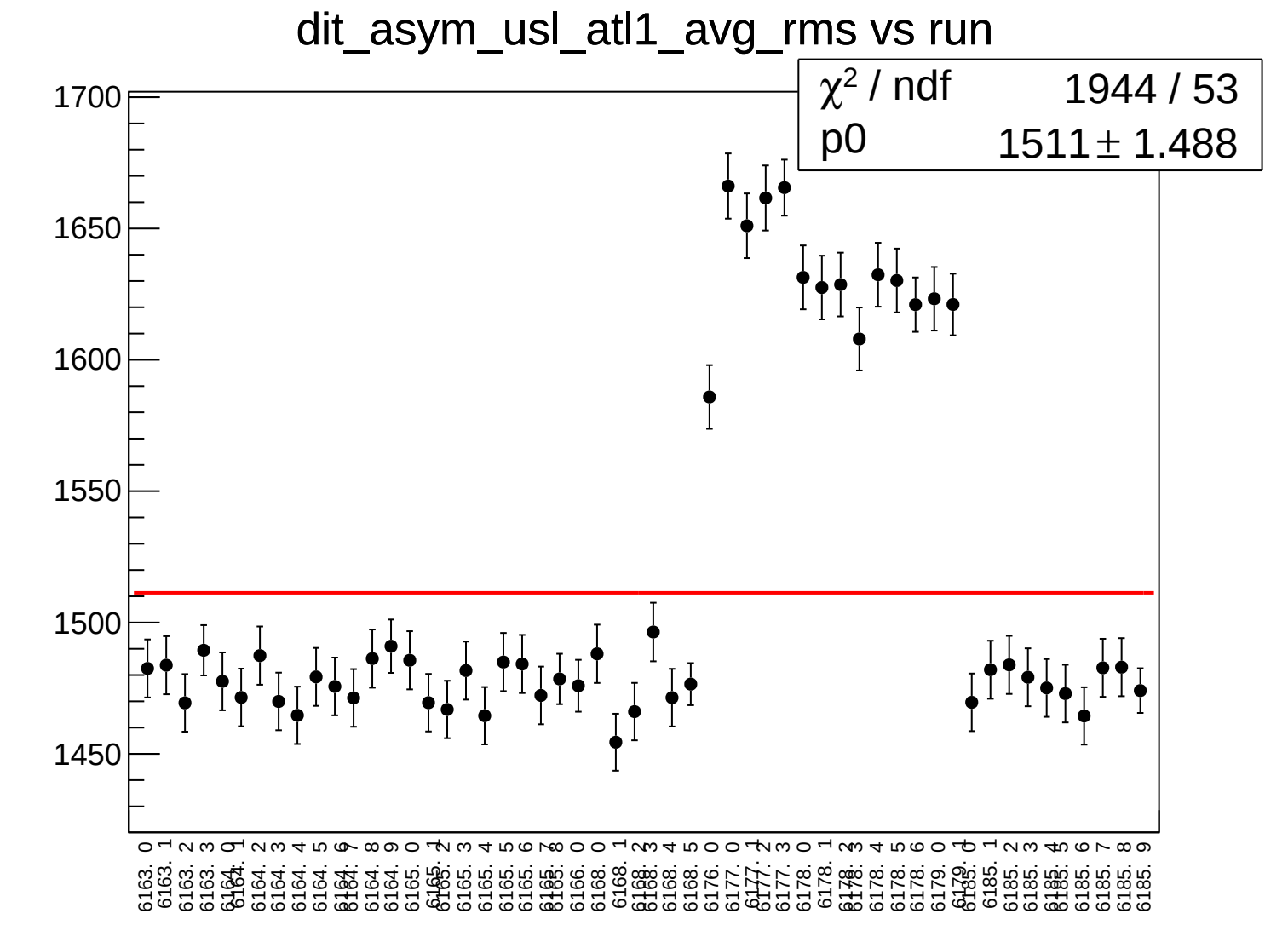
6185. 8
6185. 9


dit_asym_usl_atl1_avg_mean vs run
χ² / ndf 57.22 / 53
p0 694.9 ± 2105
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 831.1
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 54
Mean −0.001333
Std Dev 1.029
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 1944 / 53
p0 1511 ± 1.488
1700
1650
1600
1550
1500
1450
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
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6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
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6179. 0
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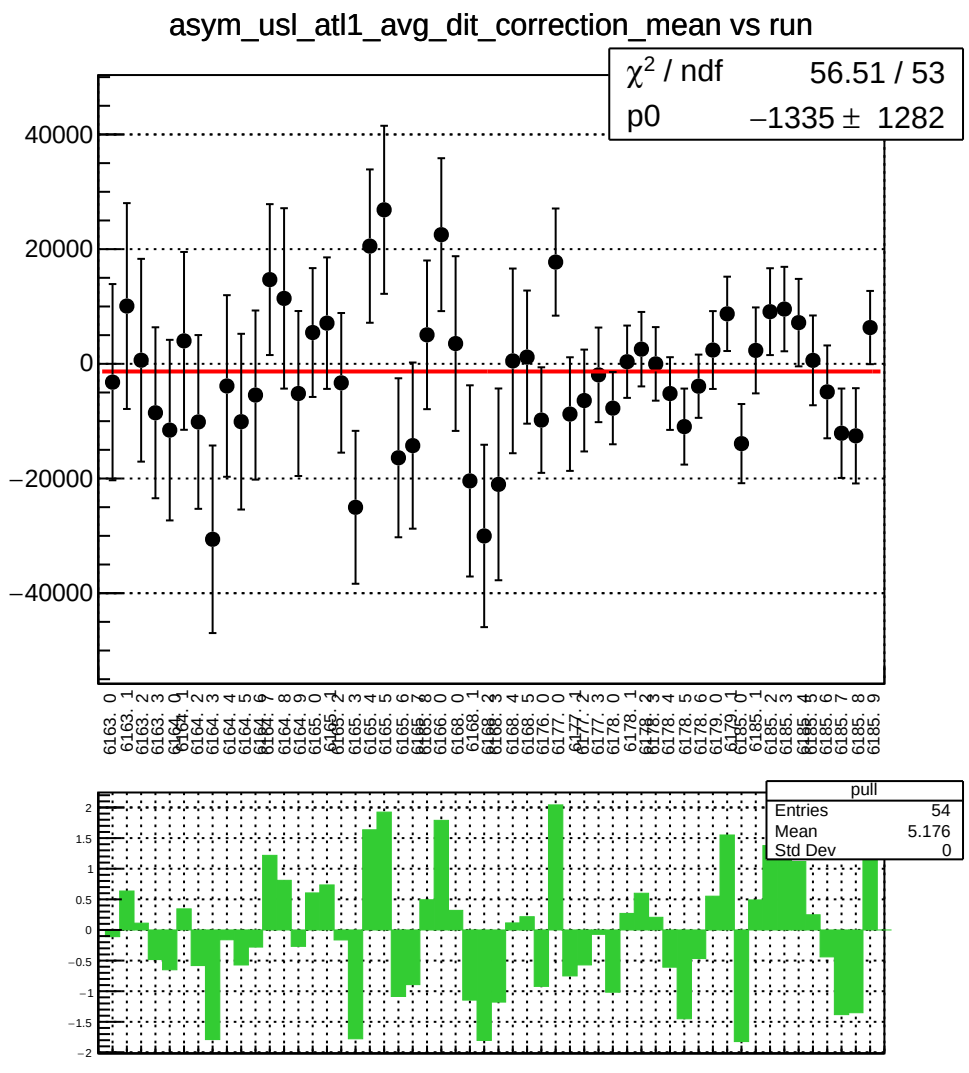
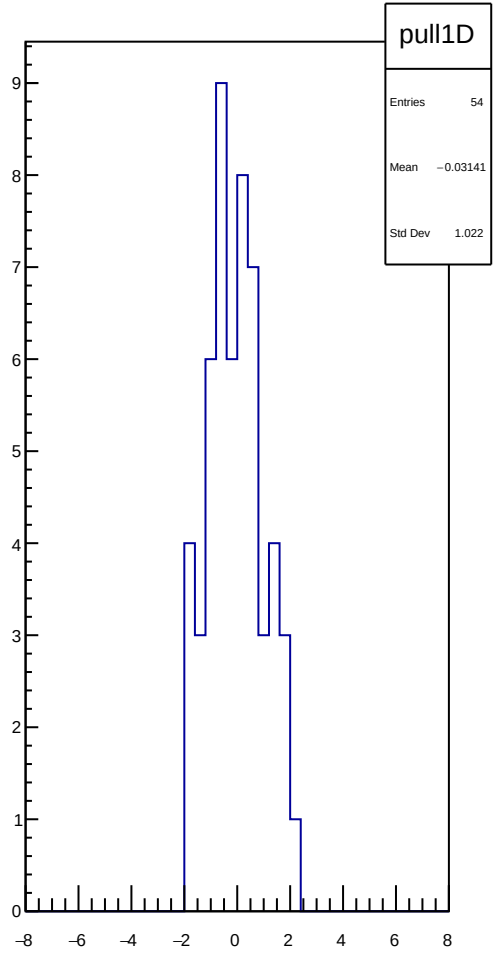
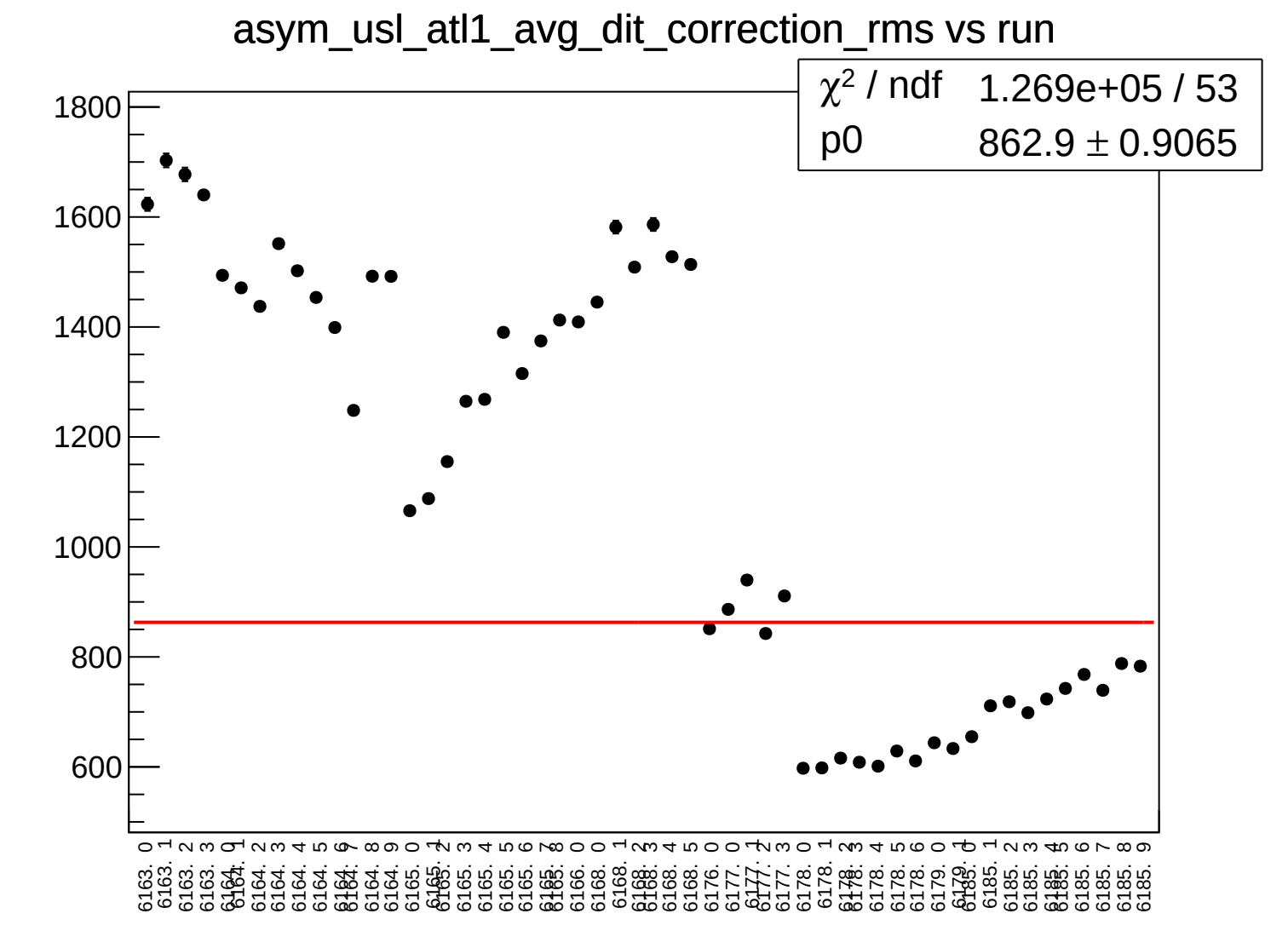
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


asym_usl_atl1_avg_dit_correction_mean vs run
χ² / ndf 56.51 / 53
p0 −1335 ± 1282
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 5.176
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 54
Mean −0.03141
Std Dev 1.022
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_usl_atl1_avg_dit_correction_rms vs run
χ² / ndf 1.269e+05 / 53
p0 862.9 ± 0.9065
1800
1600
1400
1200
1000
800
600
6163. 0
6163. 1
6163. 2
6163. 3
6163. 4
6163. 5
6163. 6
6163. 7
6163. 8
6163. 9
6164. 0
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 6
6164. 7
6164. 8
6164. 9
6165. 0
6165. 1
6165. 2
6165. 3
6165. 4
6165. 5
6165. 6
6165. 7
6165. 8
6165. 9
6166. 0
6168. 0
6168. 1
6168. 2
6168. 3
6168. 4
6168. 5
6176. 0
6177. 0
6177. 1
6177. 2
6177. 3
6178. 0
6178. 1
6178. 2
6178. 3
6178. 4
6178. 5
6178. 6
6179. 0
6179. 1
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6185. 2
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6185. 5
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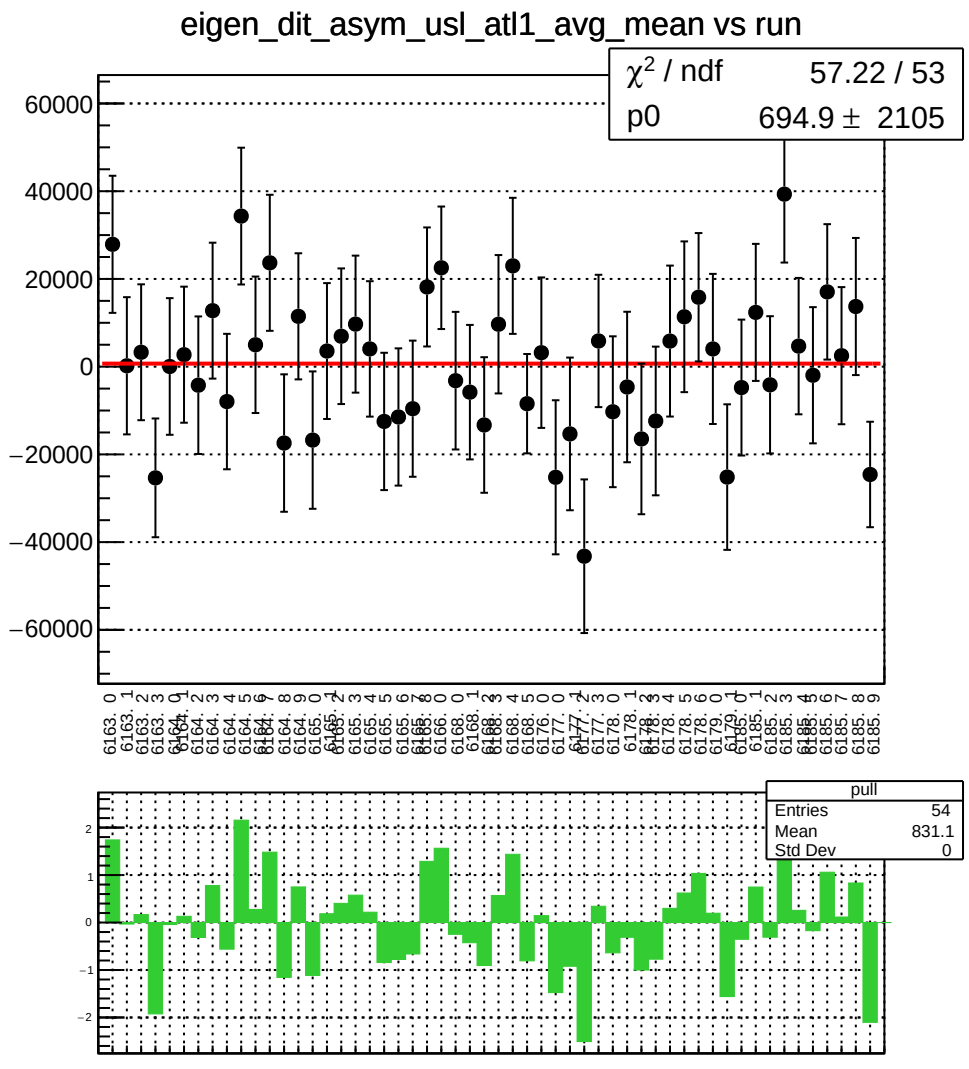
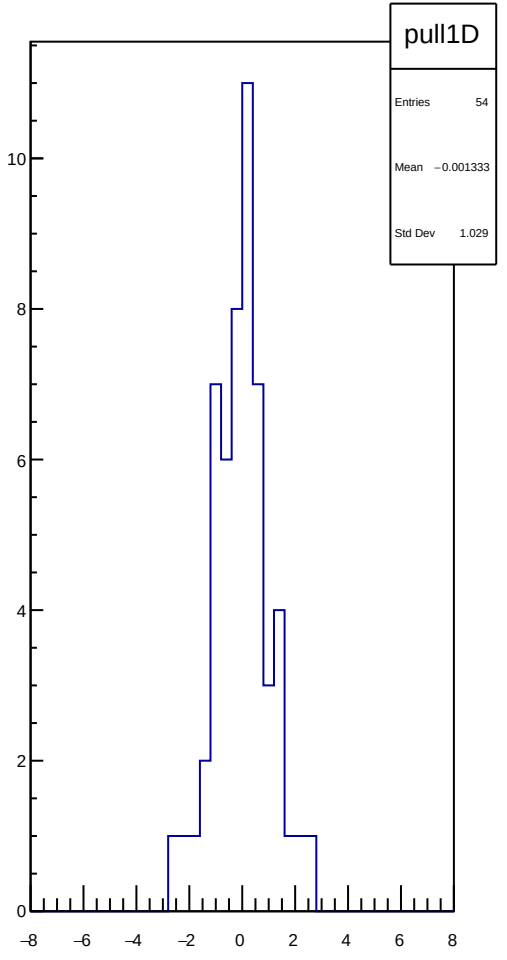
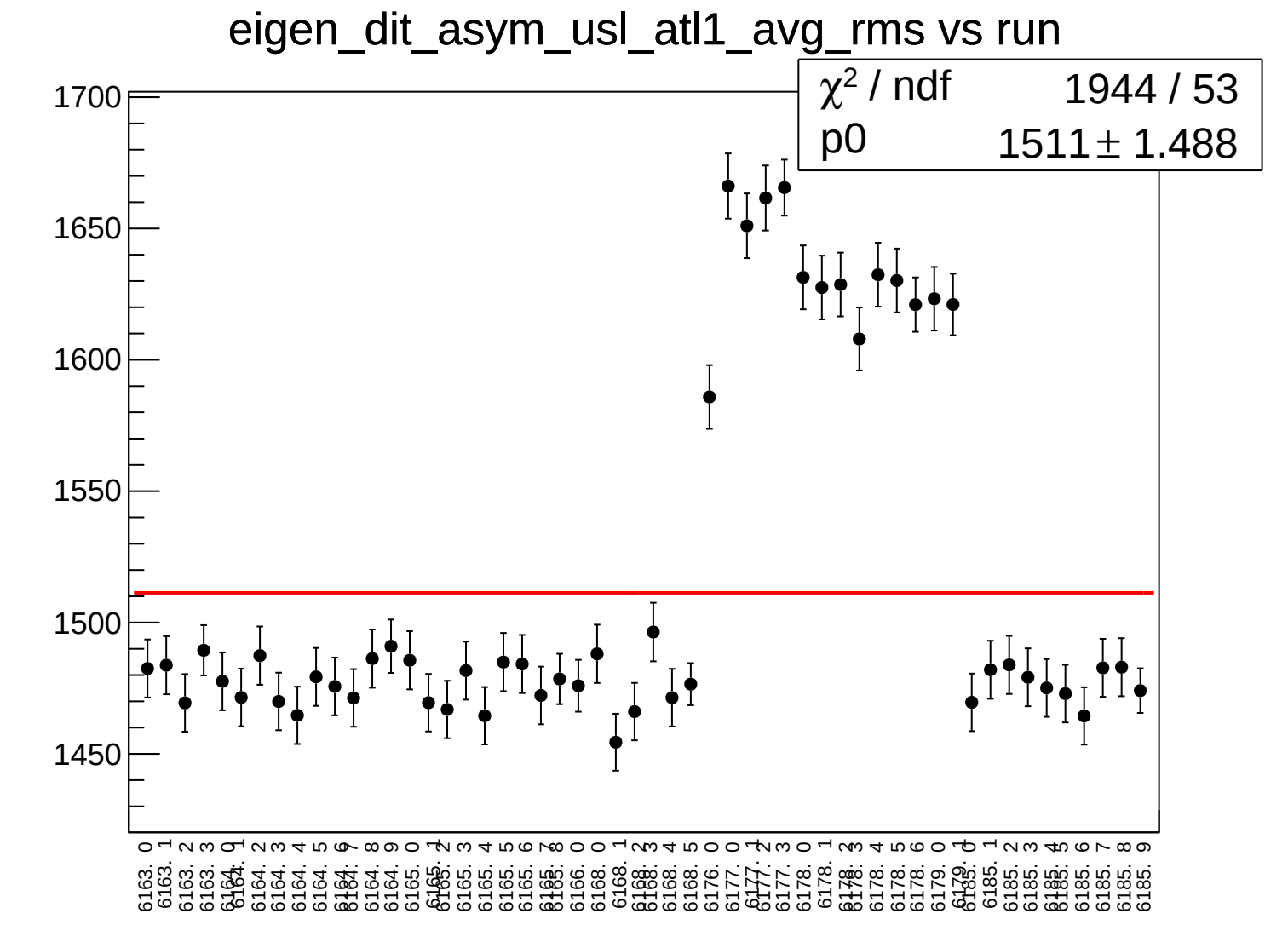
6185. 8
6185. 9


eigen_dit_asym_usl_atl1_avg_mean vs run
χ² / ndf 57.22 / 53
p0 694.9 ± 2105
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 831.1
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 54
Mean −0.001333
Std Dev 1.029
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_dit_asym_usl_atl1_avg_rms vs run
χ² / ndf 1944 / 53
p0 1511 ± 1.488
1700
1650
1600
1550
1500
1450
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
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6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
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6185. 6
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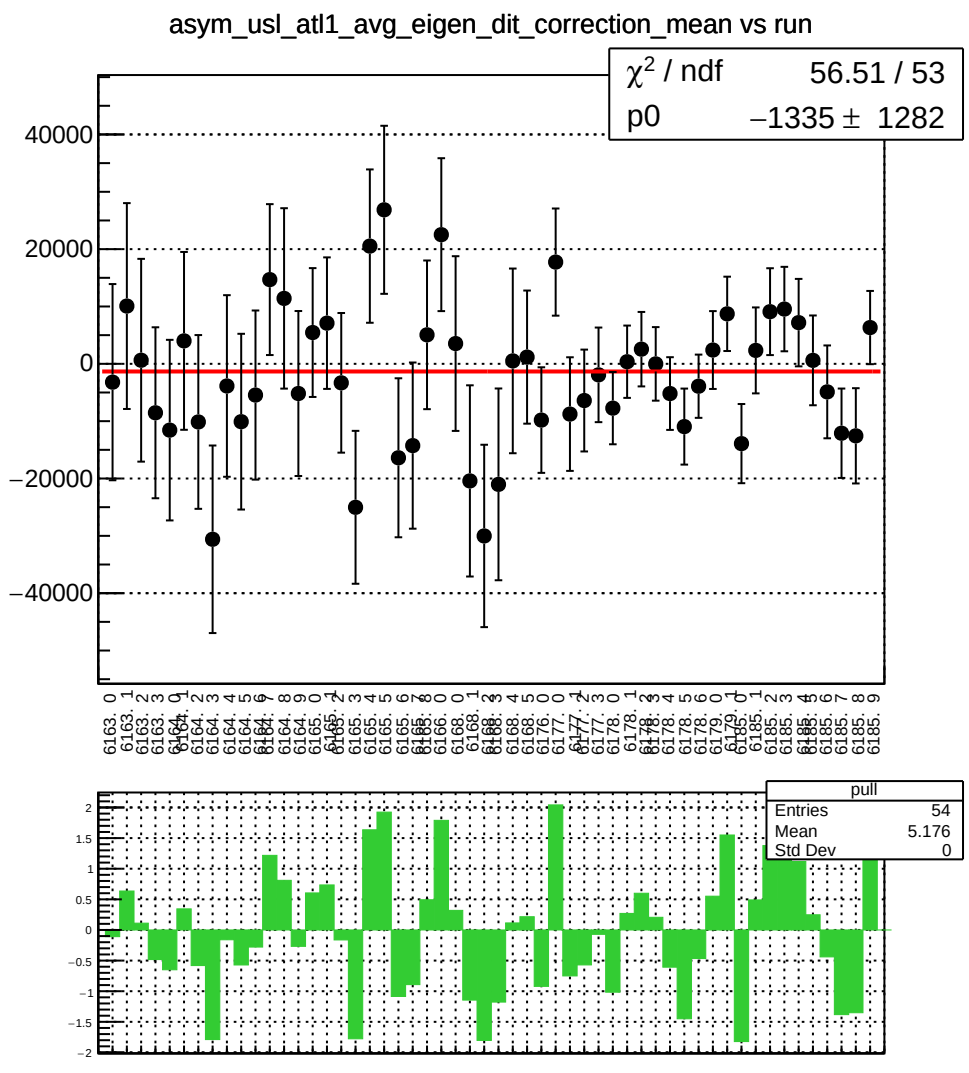
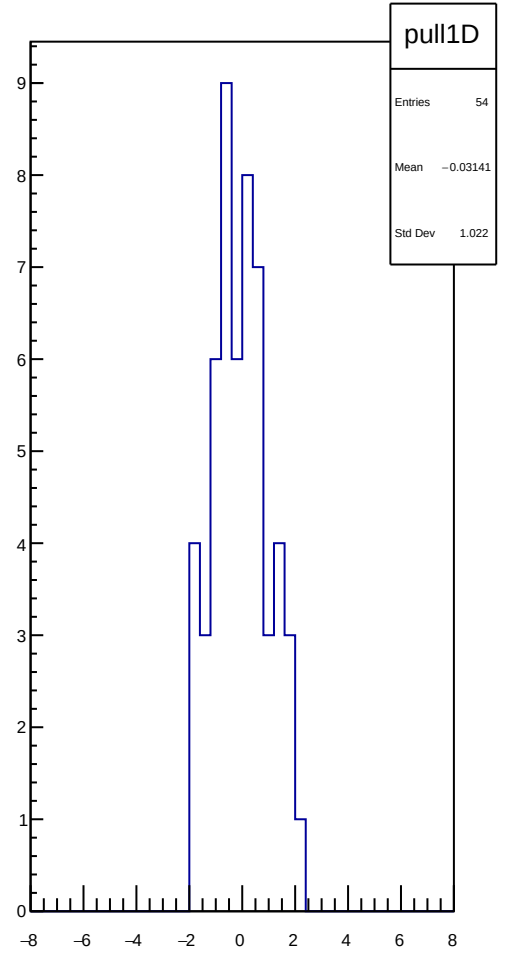
6185. 8
6185. 9


asym_usl_atl1_avg_eigen_dit_correction_mean vs run
χ² / ndf 56.51 / 53
p0 −1335 ± 1282
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 5.176
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 54
Mean −0.03141
Std Dev 1.022
9
8
7
6
5
4
3
2
1
0
−8
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−4
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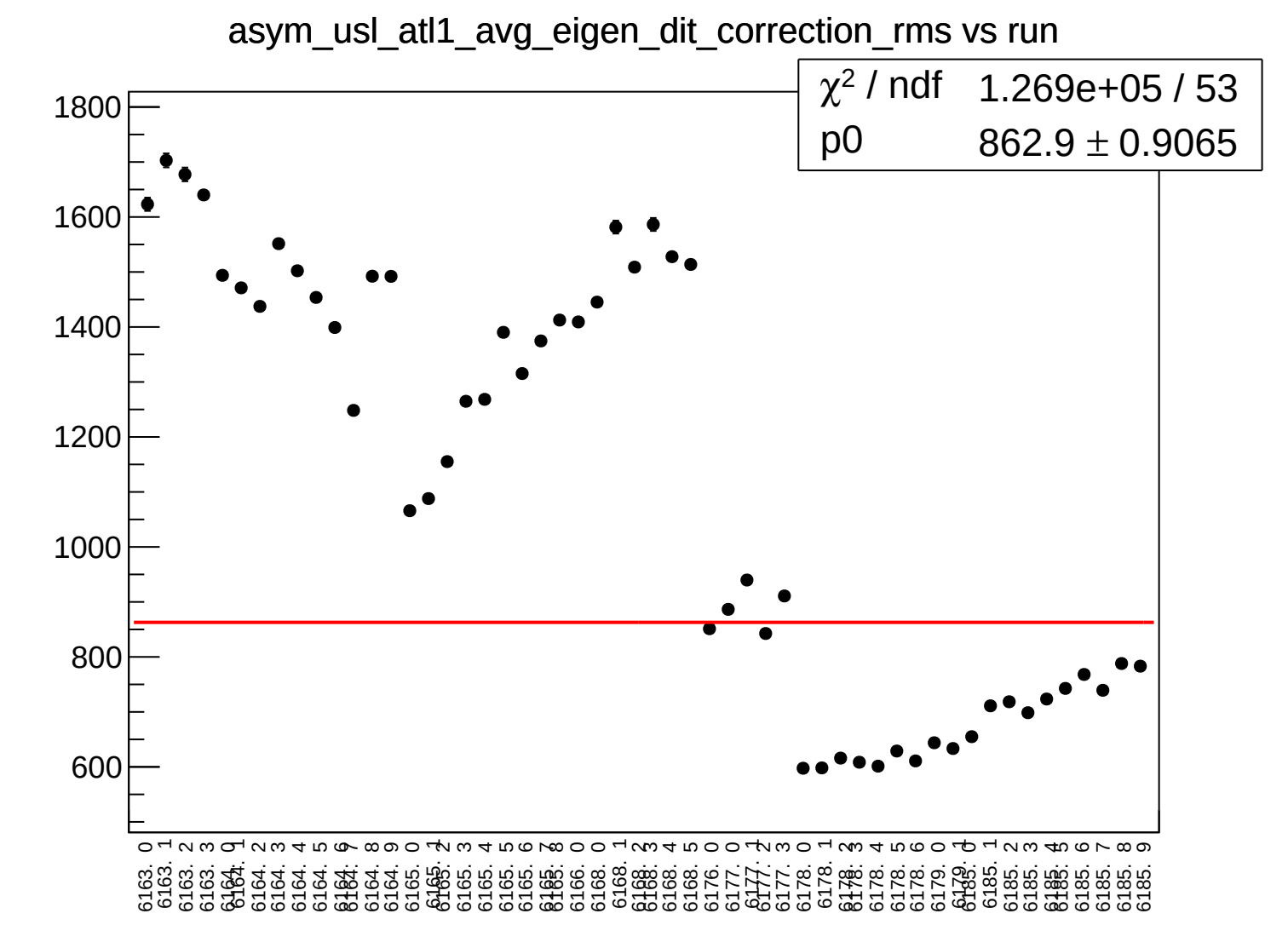
2
4
6
8


asym_usl_atl1_avg_eigen_dit_correction_rms vs run
χ² / ndf 1.269e+05 / 53
p0 862.9 ± 0.9065
1800
1600
1400
1200
1000
800
600
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
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6185. 2
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6185. 6
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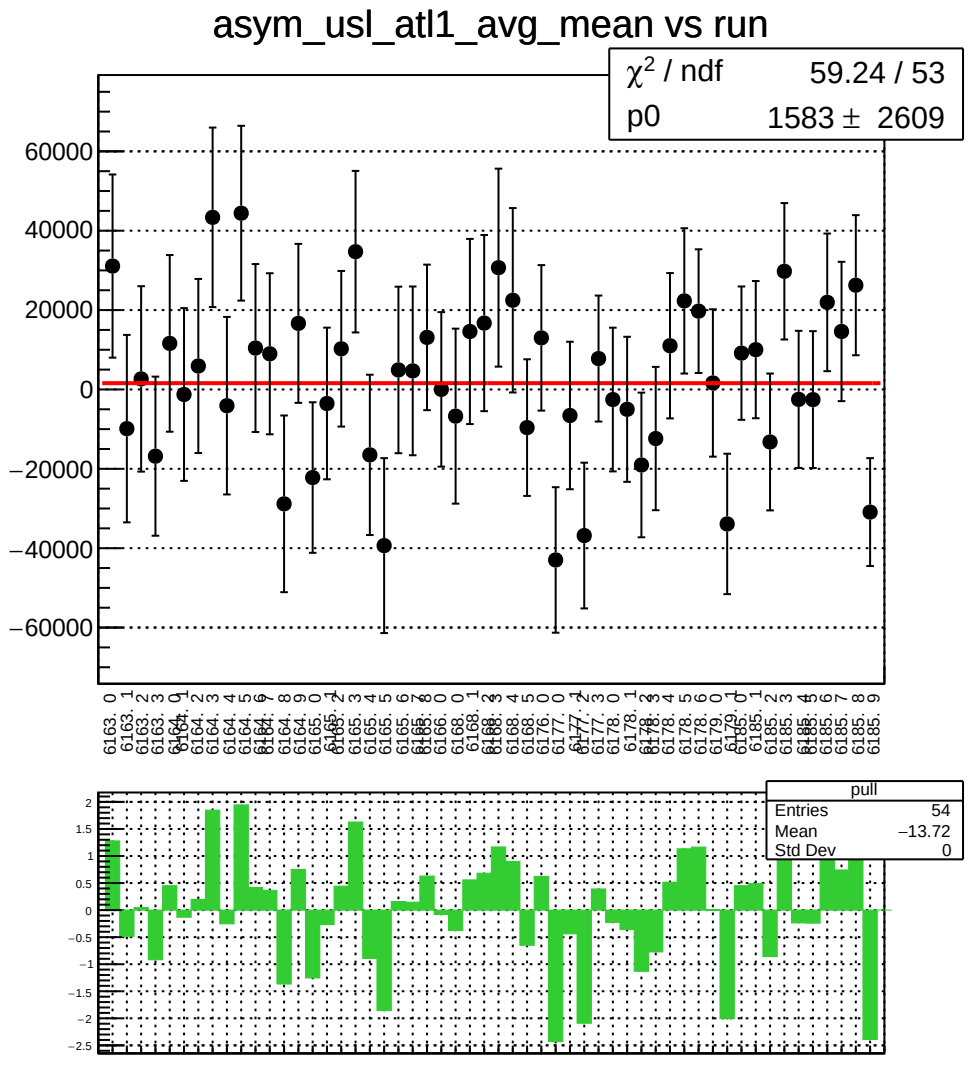
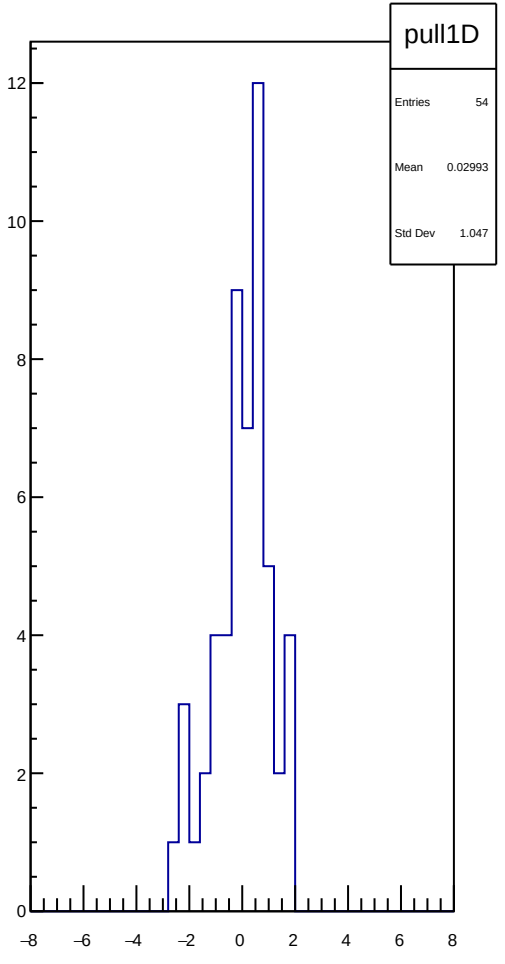
6185. 8
6185. 9


asym_usl_atl1_avg_mean vs run
χ² / ndf 59.24 / 53
p0 1583 ± 2609
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean −13.72
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 54
Mean 0.02993
Std Dev 1.047
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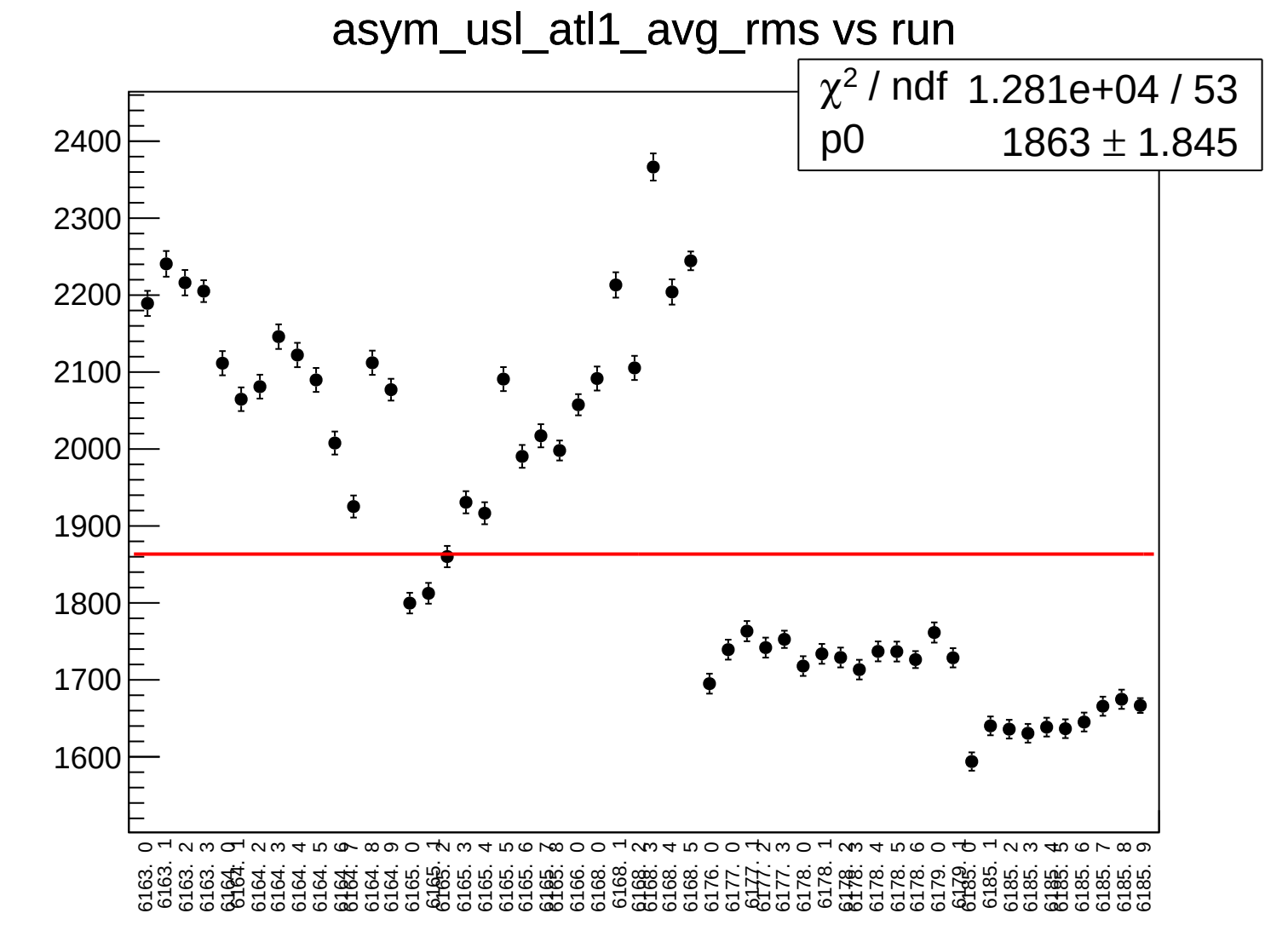
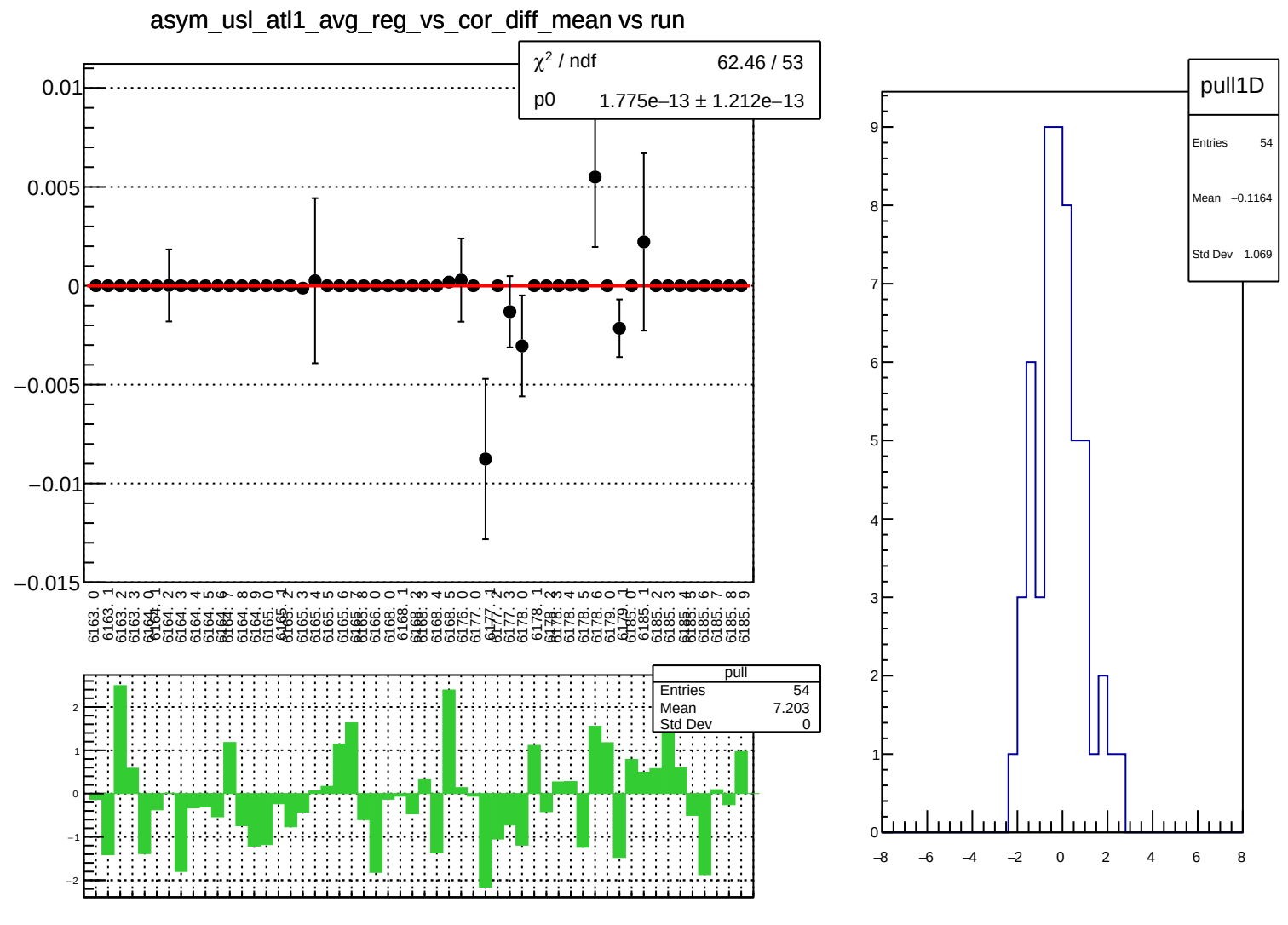
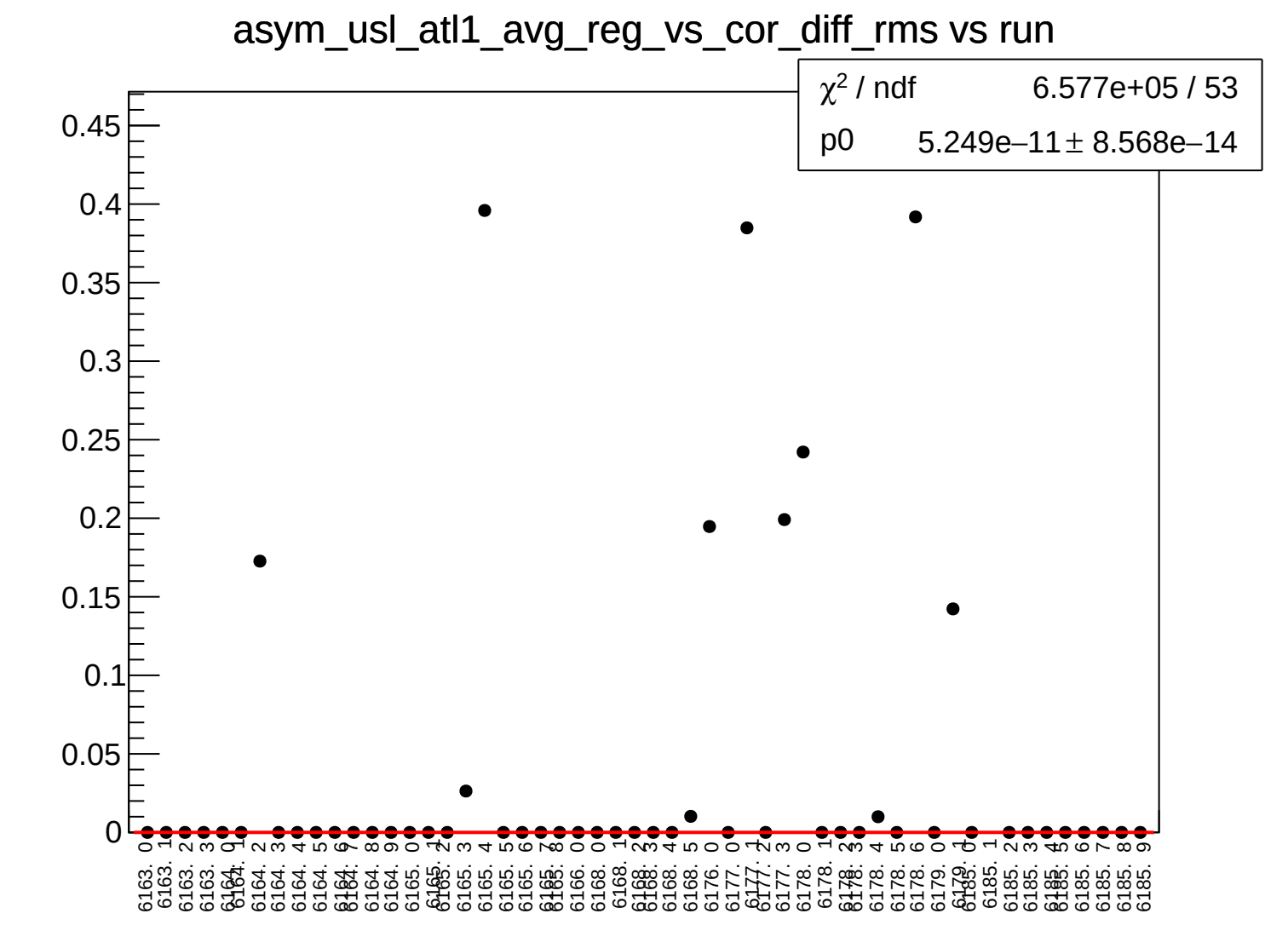
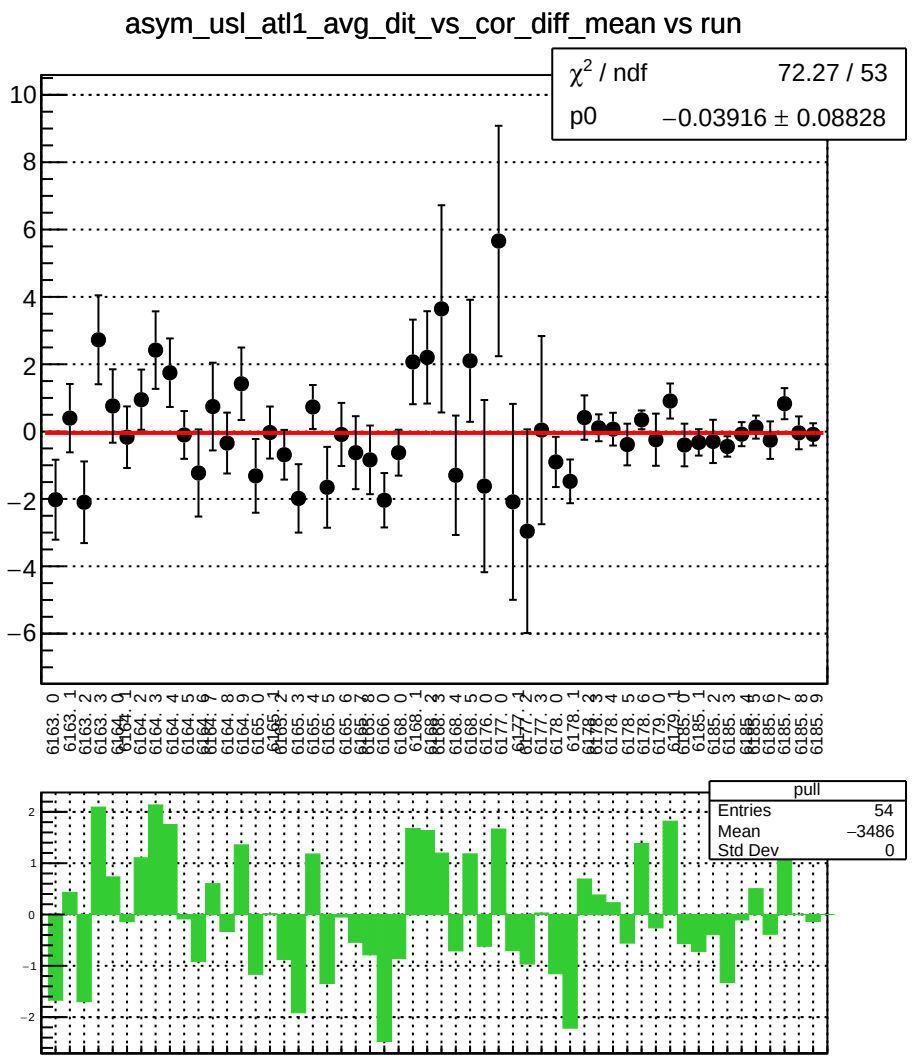
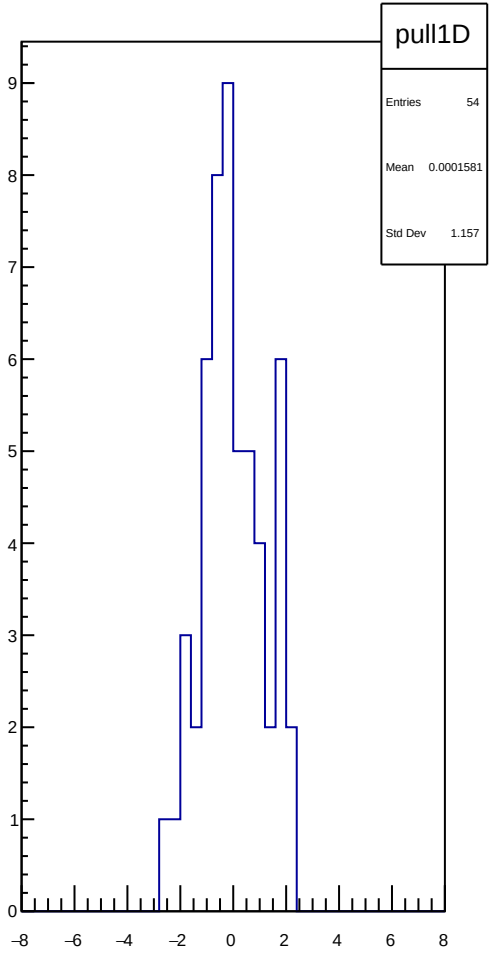
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

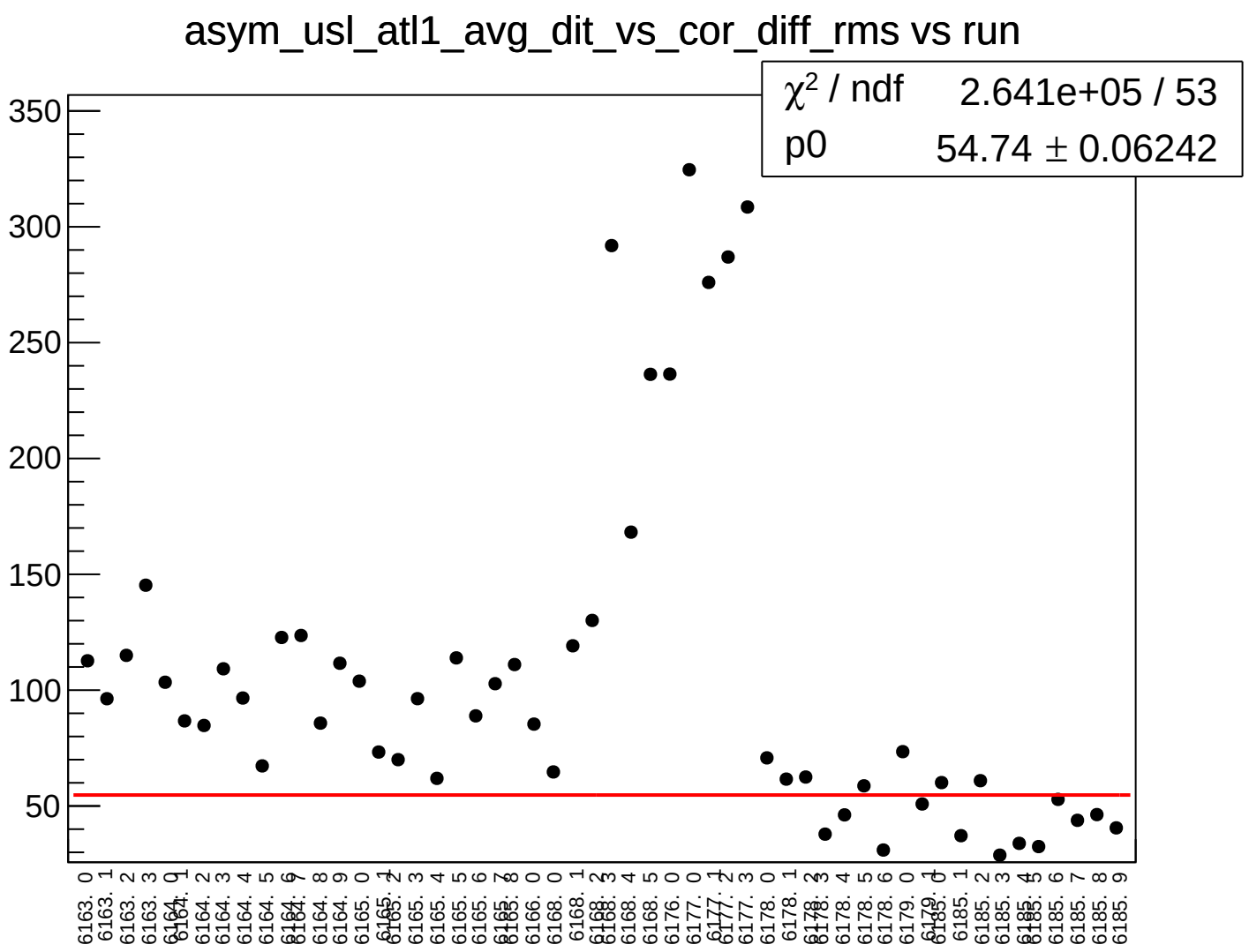

asym_usl_atl1_avg_rms vs run
χ² / ndf 1.281e+04 / 53
p0 1863 ± 1.845
2400
2300
2200
2100
2000
1900
1800
1700
1600
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

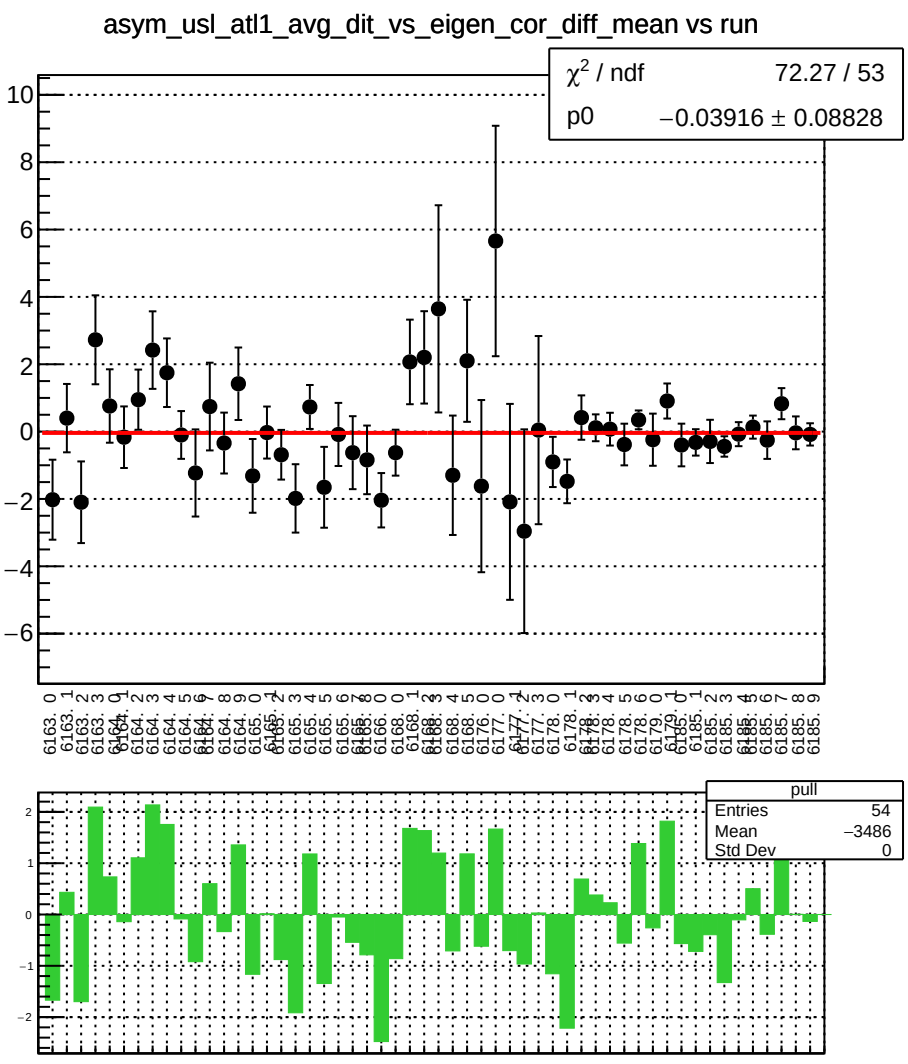

asym_usl_atl1_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 62.46 / 53
p0 1.775e−13 ± 1.212e−13
pull
Entries 54
Mean 7.203
Std Dev 0
pull1D
Entries 54
Mean −0.1164
Std Dev 1.069

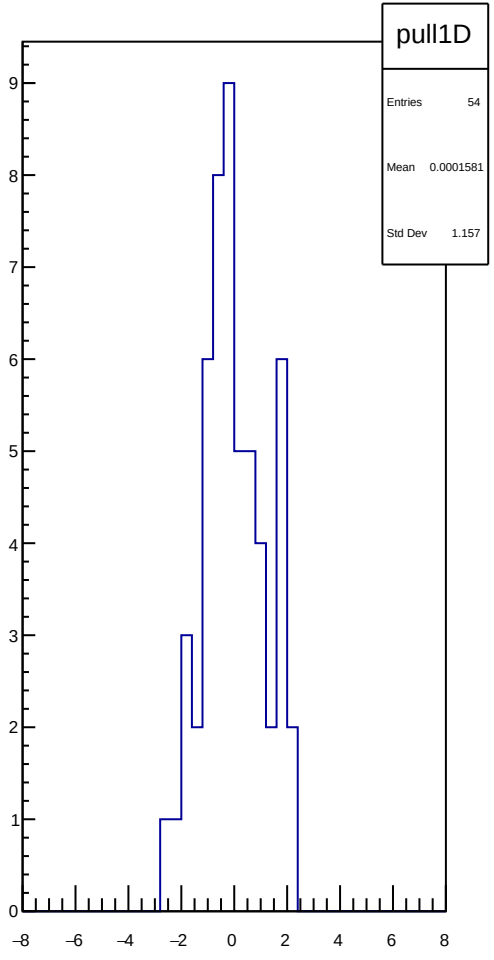

asym_usl_atl1_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.577e+05 / 53
p0 5.249e−11 ± 8.568e−14
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 6
6164. 7
6164. 8
6164. 9
6165. 0
6165. 1
6165. 2
6165. 3
6165. 4
6165. 5
6165. 6
6165. 7
6165. 8
6166. 0
6168. 0
6168. 1
6168. 2
6168. 3
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 2
6178. 3
6178. 4
6178. 5
6178. 6
6179. 0
6179. 1
6185. 0
6185. 1
6185. 2
6185. 3
6185. 4
6185. 5
6185. 6
6185. 7
6185. 8
6185. 9

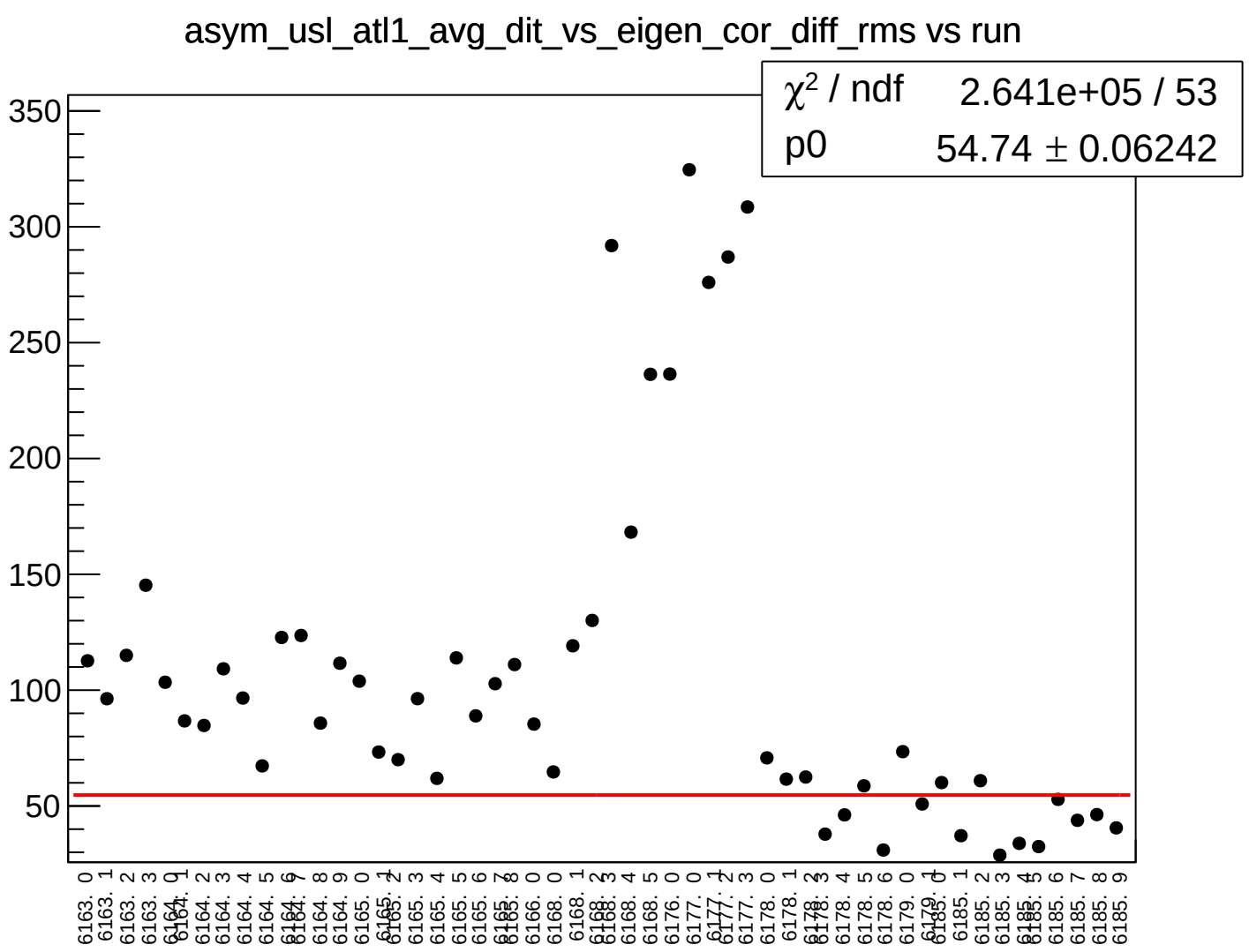

asym_usl_atl1_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 72.27 / 53
p0 −0.03916 ± 0.08828
pull
Entries 54
Mean −3486
Std Dev 0

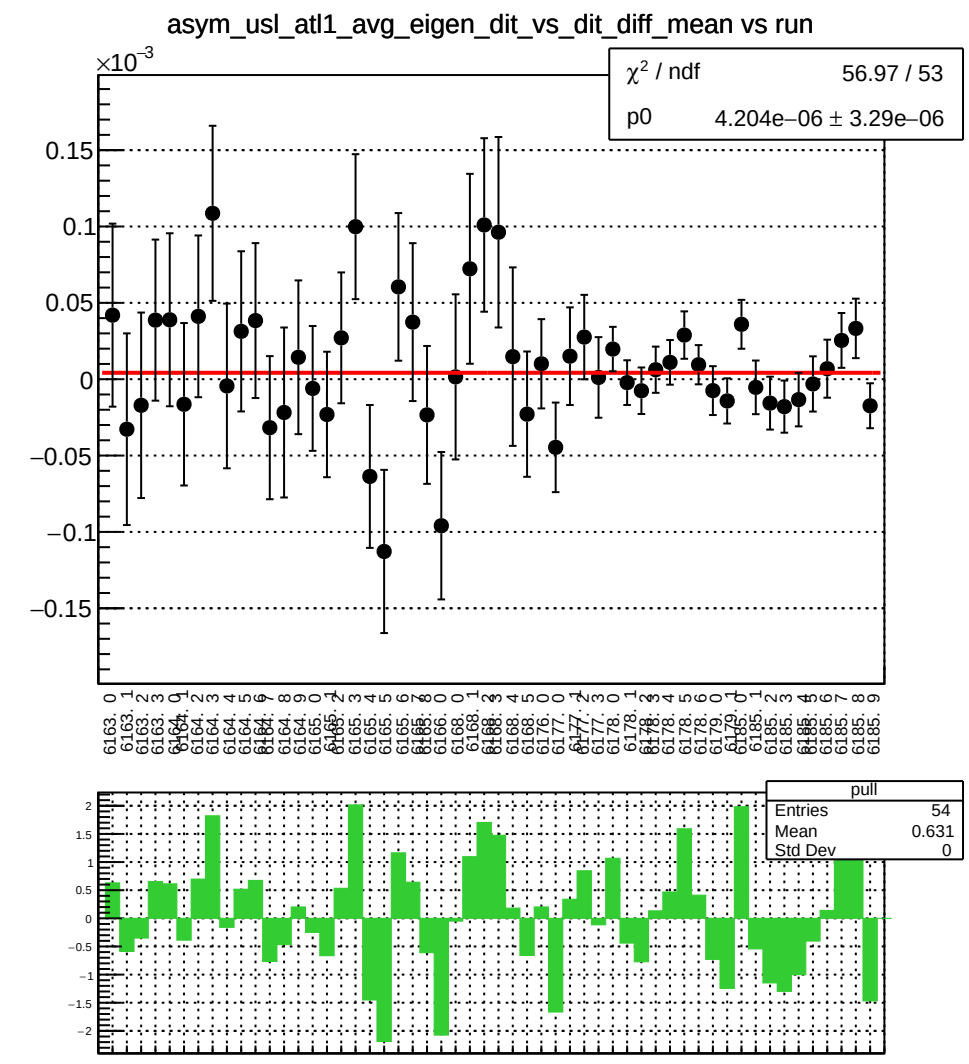

pull1D
Entries 54
Mean 0.0001581
Std Dev 1.157

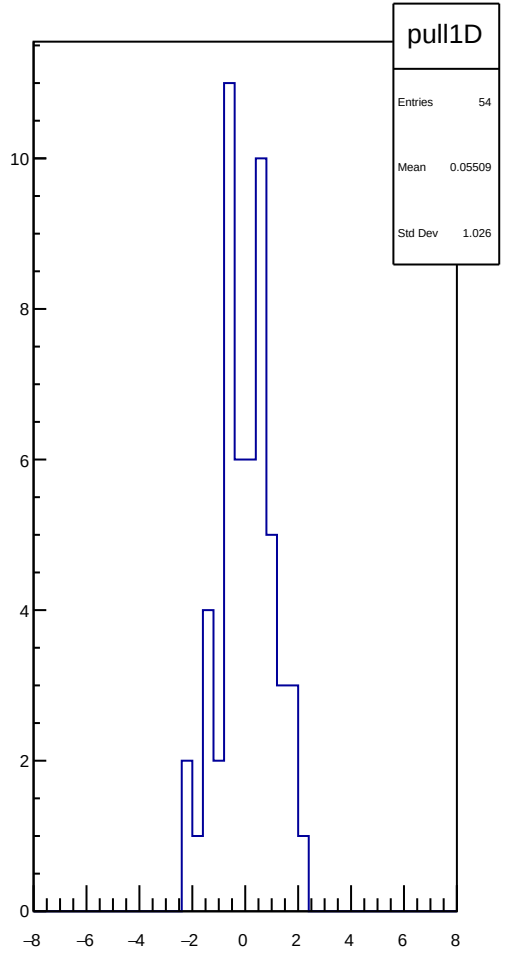

asym_usl_atl1_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 2.641e+05 / 53
p0 54.74 ± 0.06242
350
300
250
200
150
100
50
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

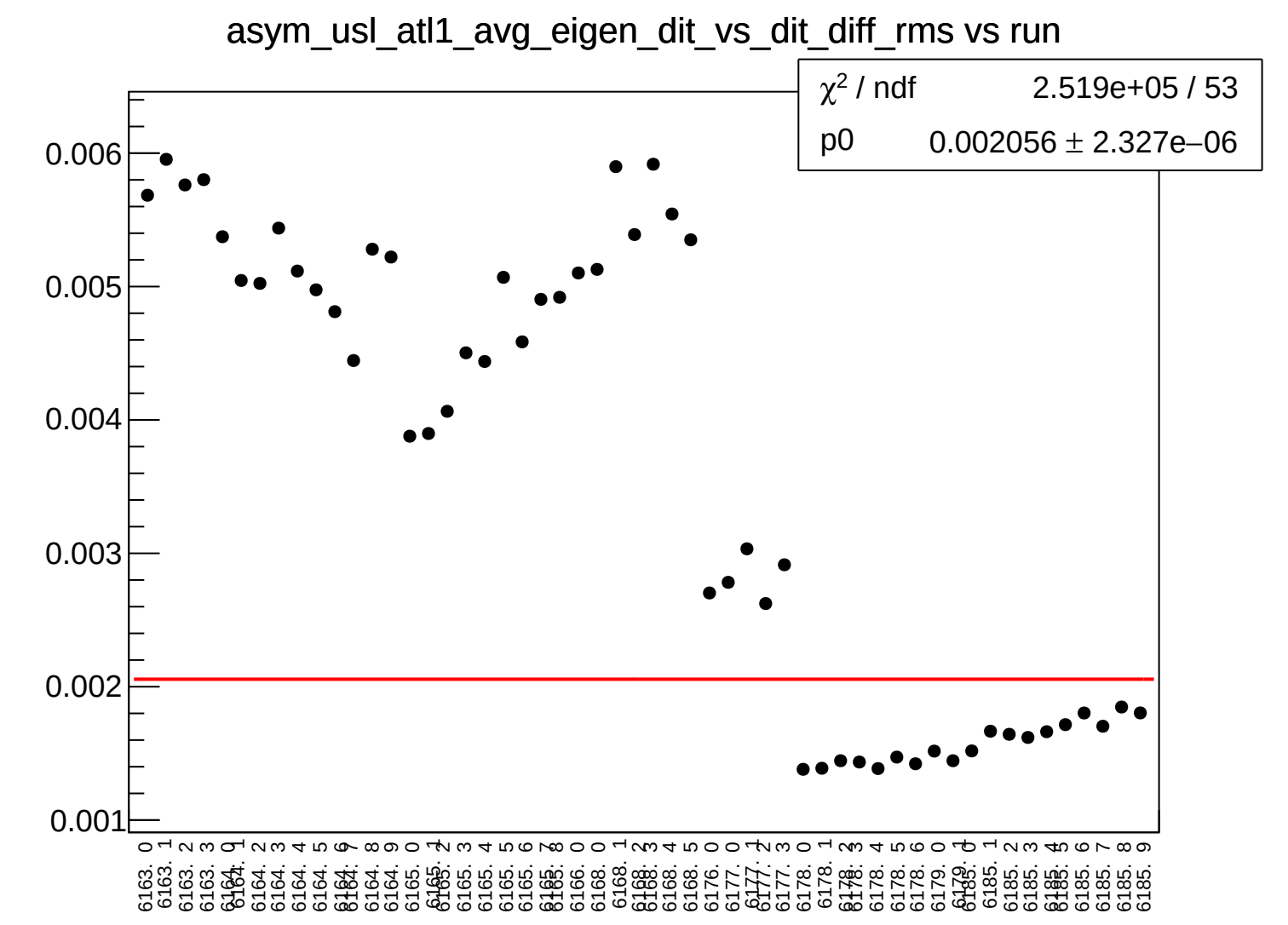

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 72.27 / 53
p0 −0.03916 ± 0.08828
pull
Entries 54
Mean −3486
Std Dev 0

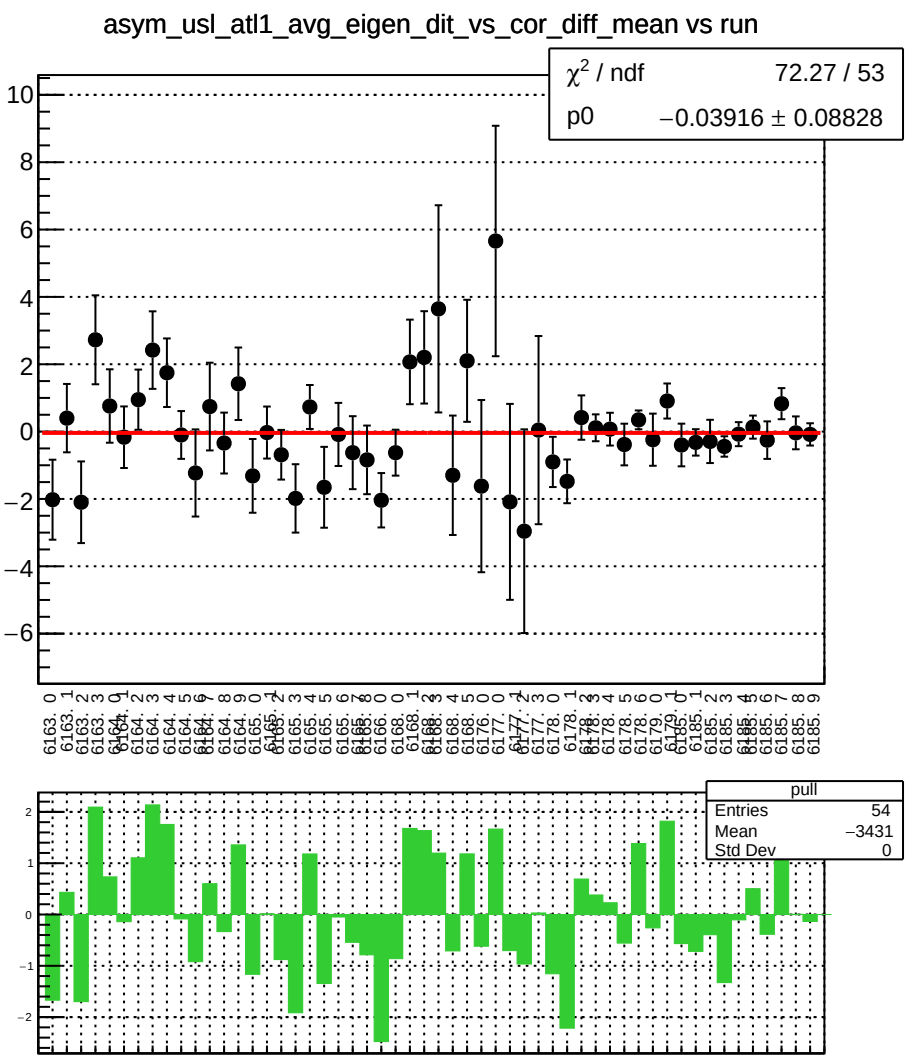

pull1D
Entries 54
Mean 0.0001581
Std Dev 1.157

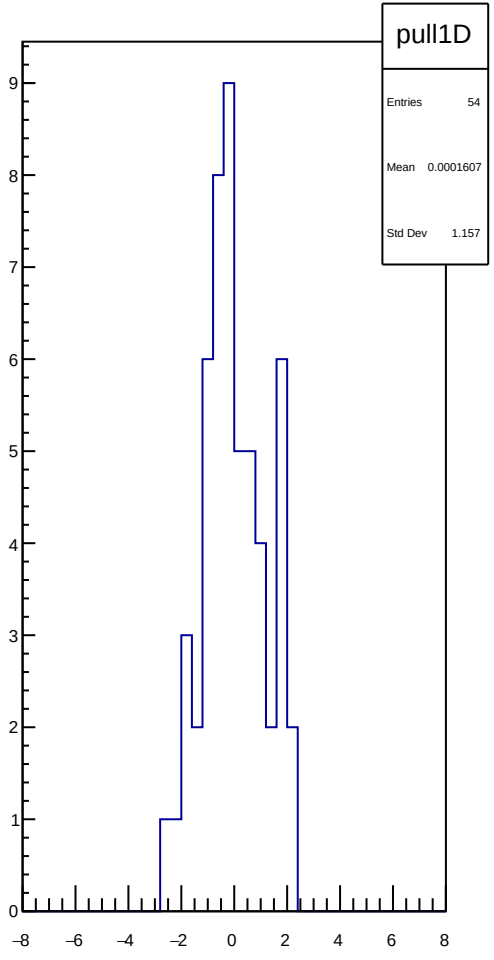

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.641e+05 / 53
p0 54.74 ± 0.06242
350
300
250
200
150
100
50
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

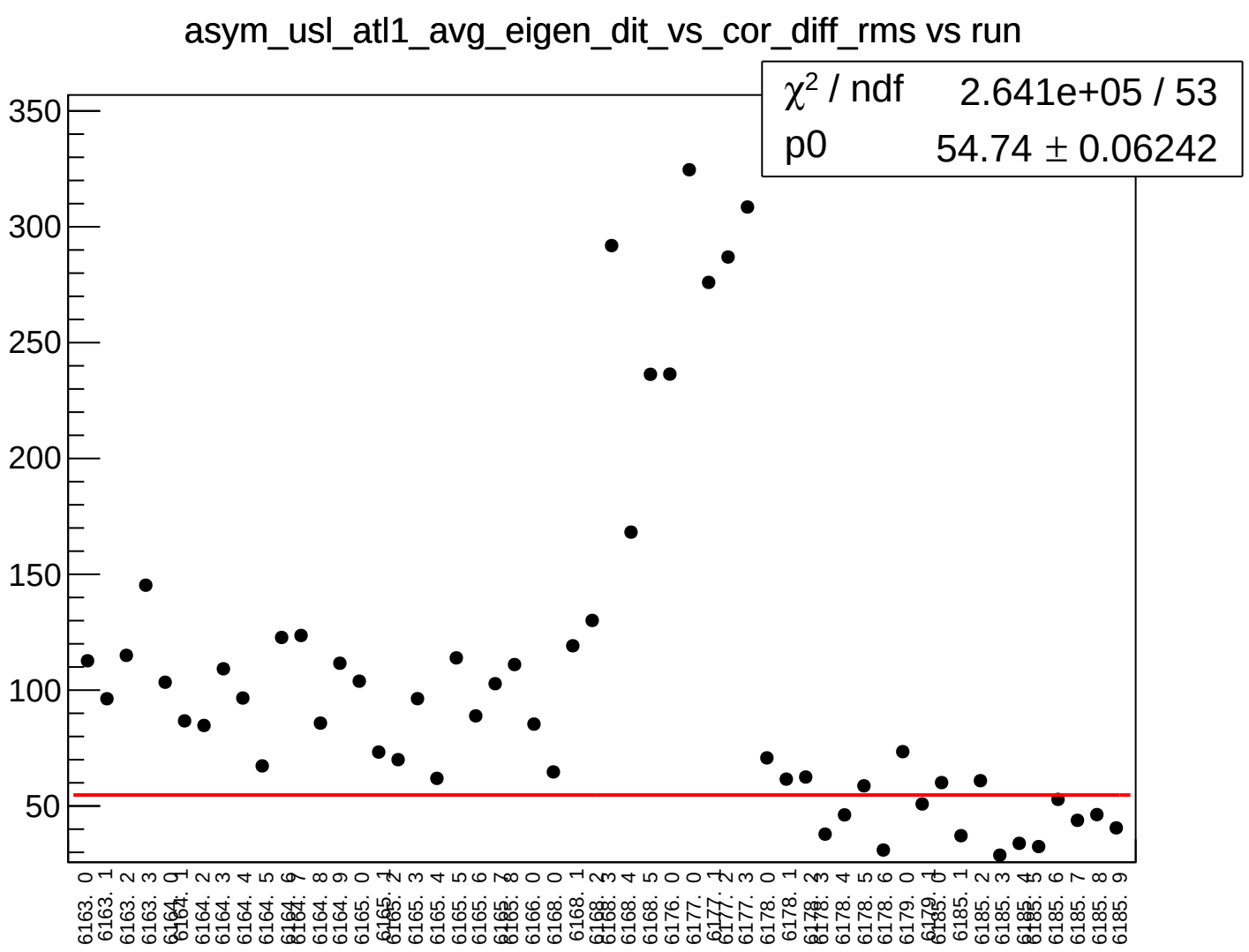

asym_usl_atl1_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 56.97 / 53
p0 4.204e−06 ± 3.29e−06
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
pull
Entries 54
Mean 0.631
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

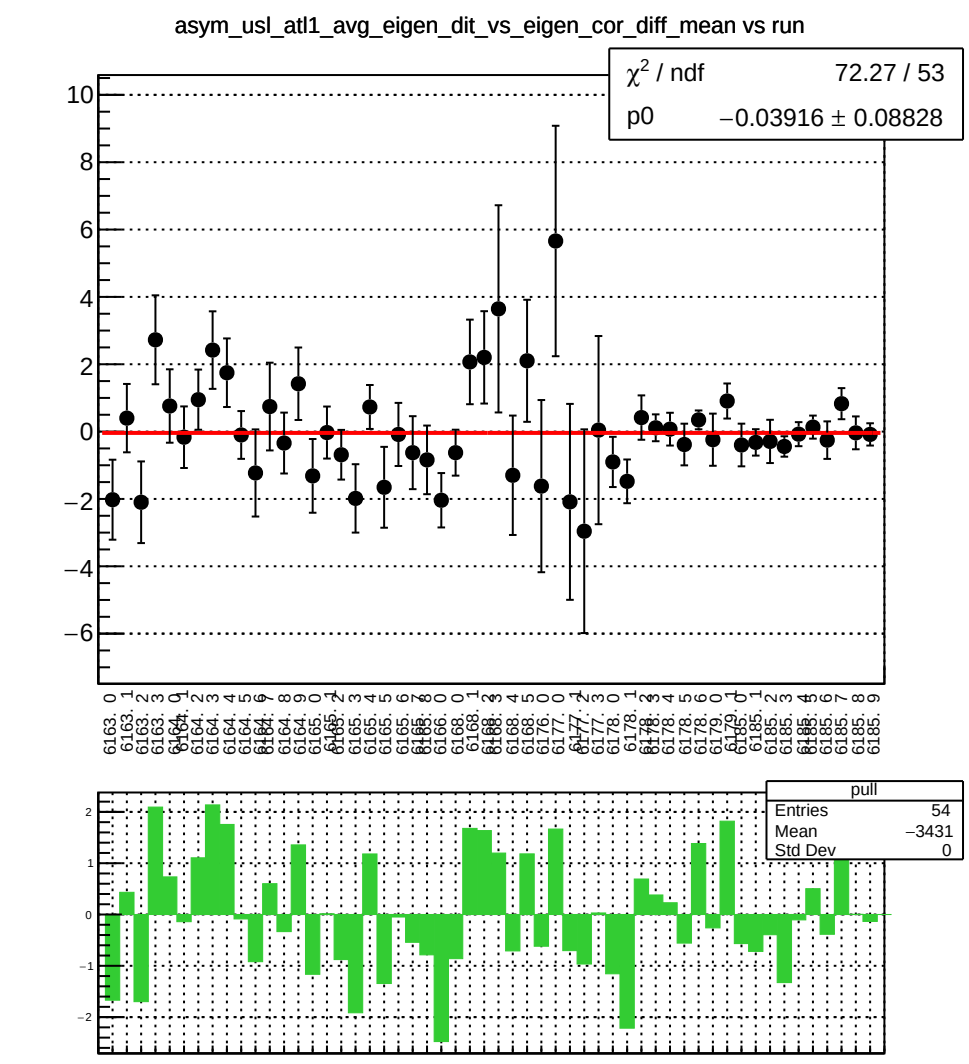

pull1D
Entries 54
Mean 0.05509
Std Dev 1.026
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

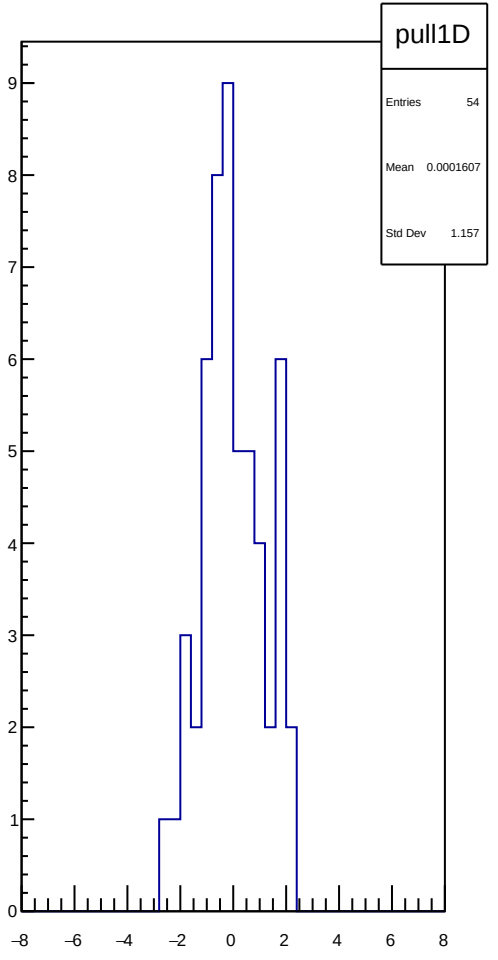

asym_usl_atl1_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.519e+05 / 53
p0 0.002056 ± 2.327e−06
0.006
0.005
0.004
0.003
0.002
0.001
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

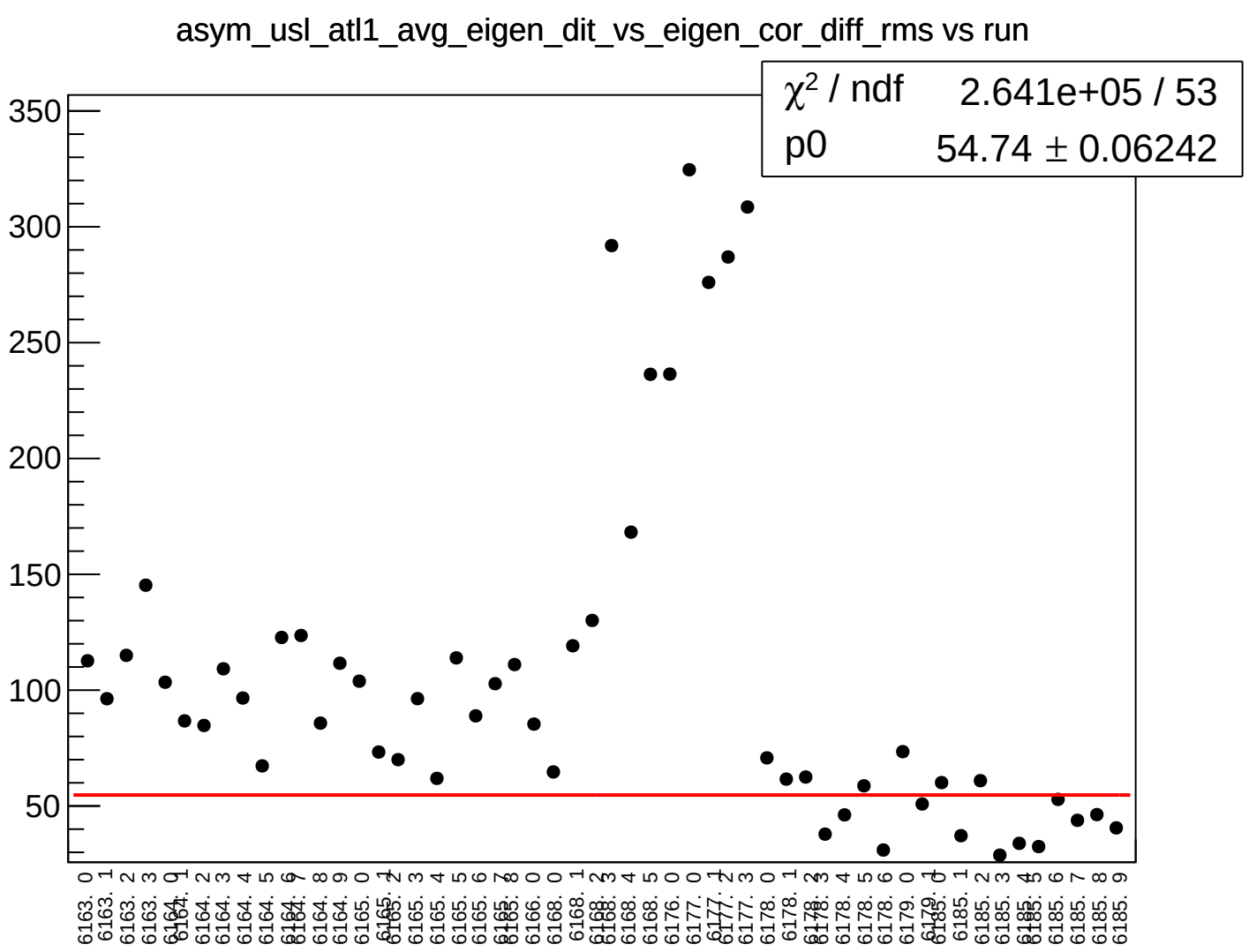

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 72.27 / 53
p0 −0.03916 ± 0.08828
pull
Entries 54
Mean −3431
Std Dev 0

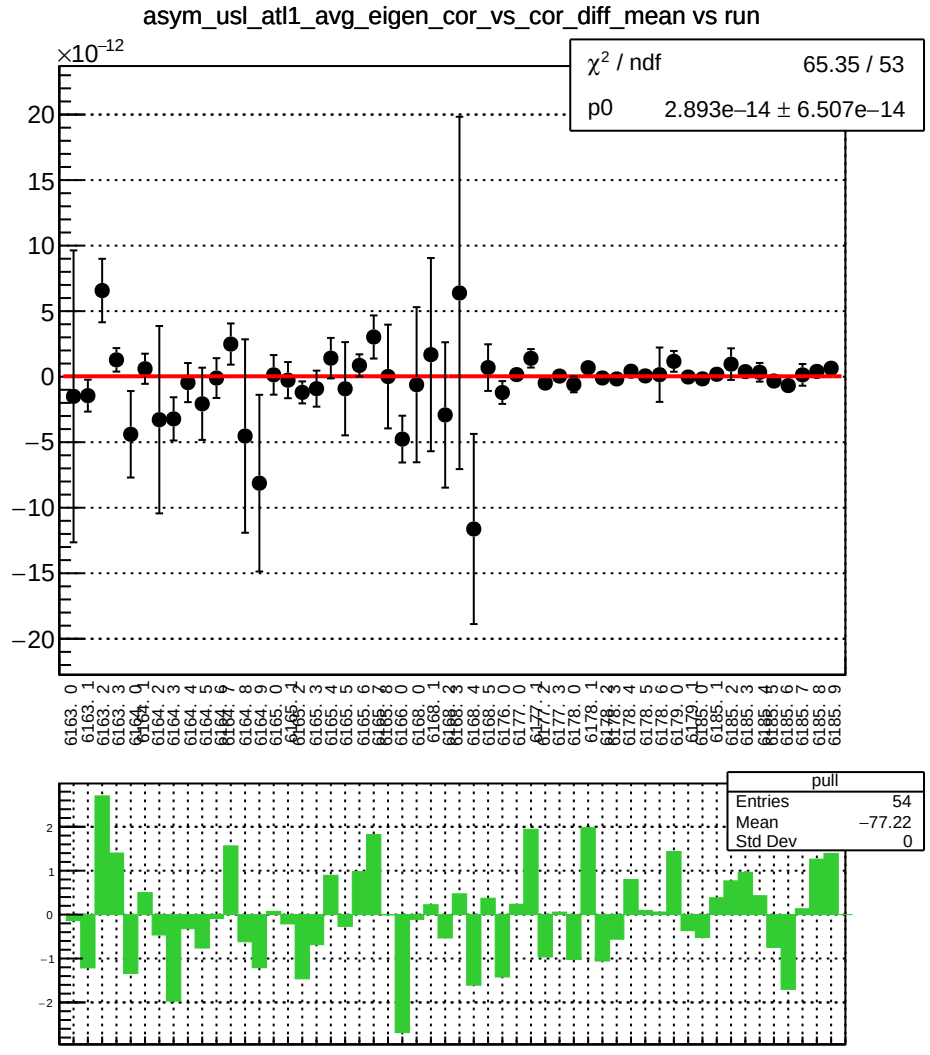

pull1D
Entries 54
Mean 0.0001607
Std Dev 1.157

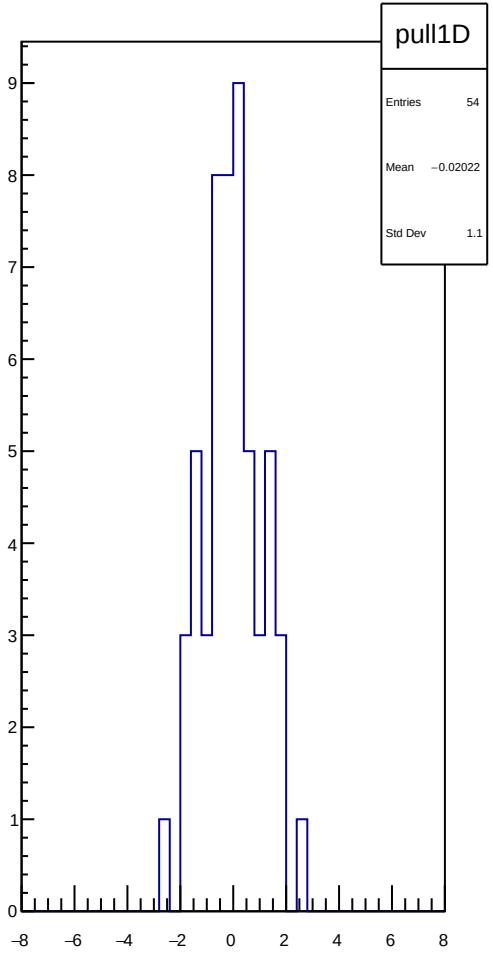

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.641e+05 / 53
p0 54.74 ± 0.06242
350
300
250
200
150
100
50
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

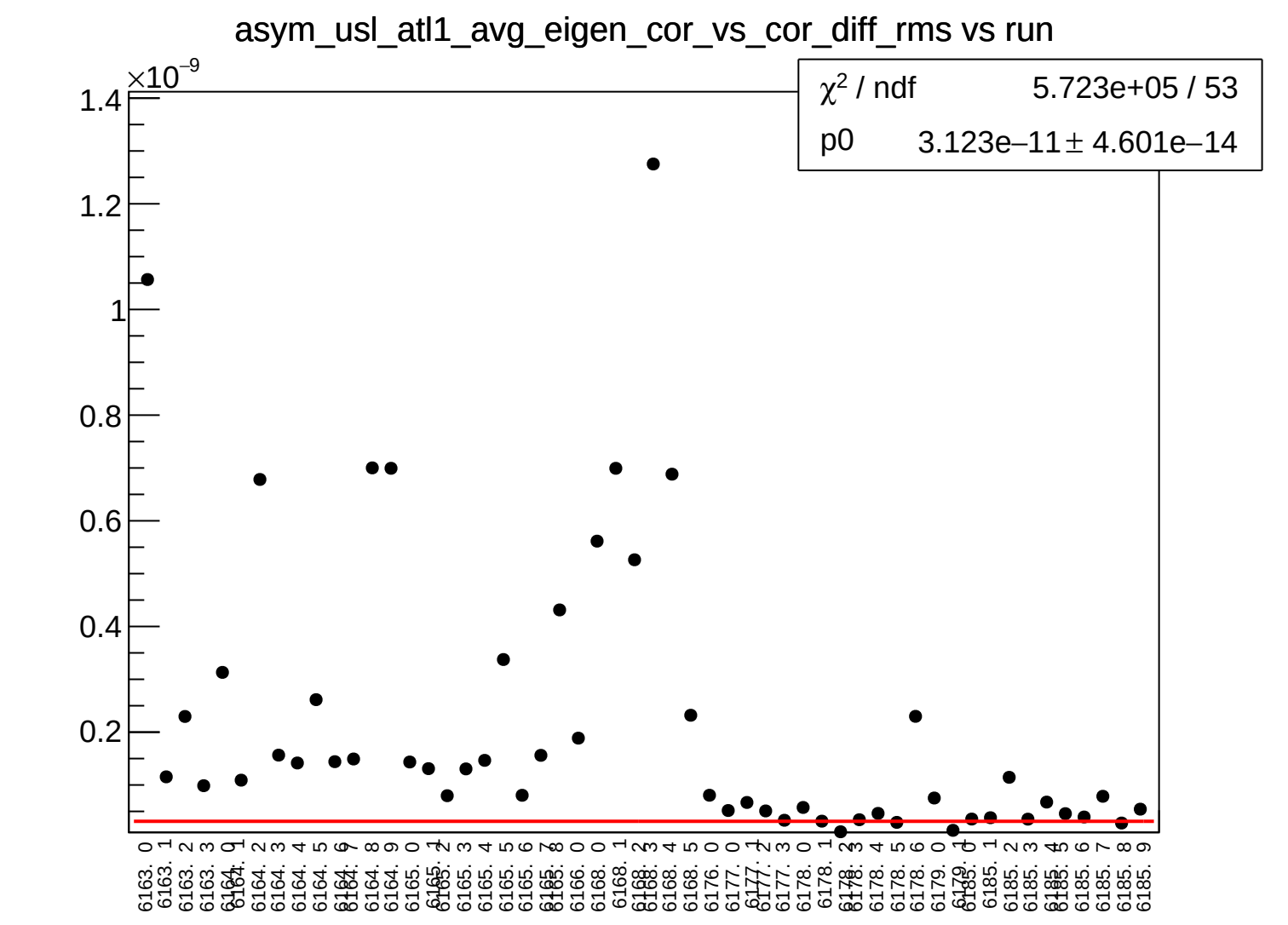

asym_usl_atl1_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 72.27 / 53
p0 −0.03916 ± 0.08828
pull
Entries 54
Mean −3431
Std Dev 0

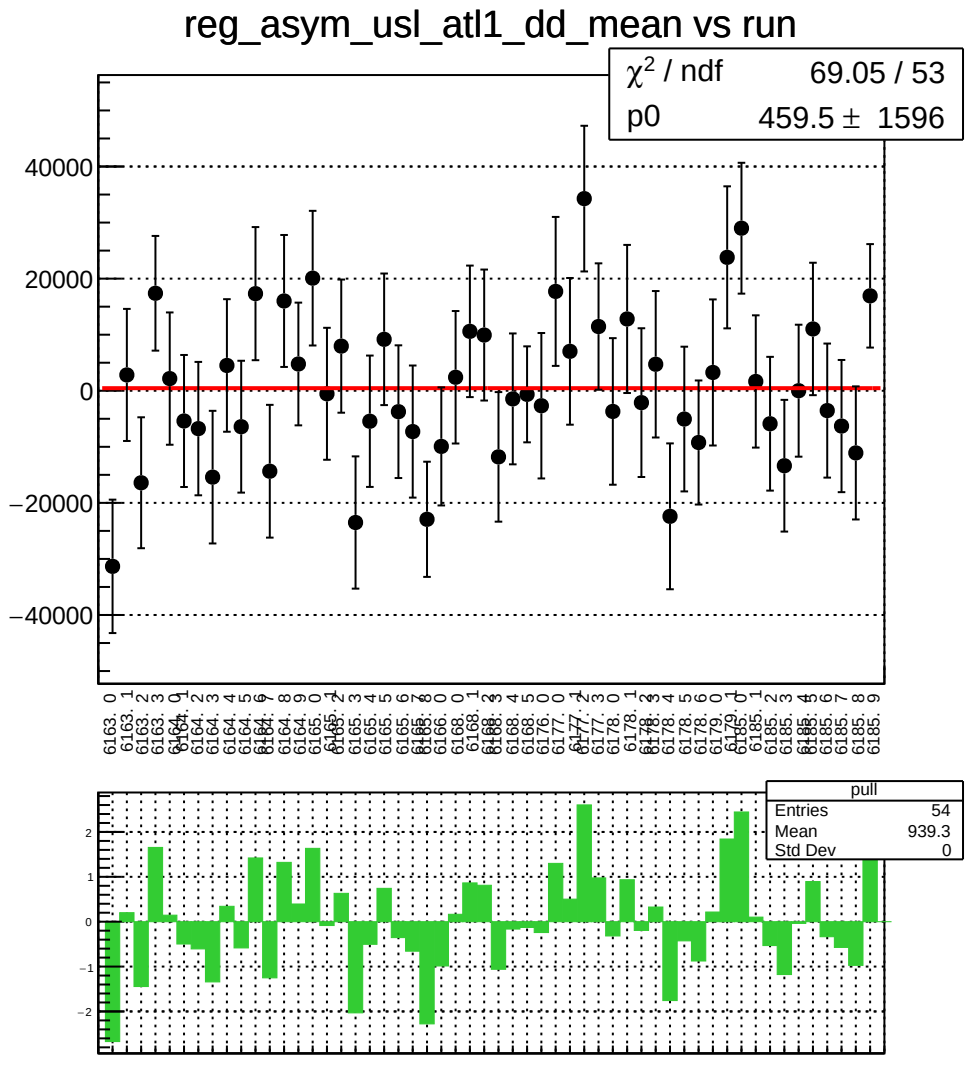

pull1D
Entries 54
Mean 0.0001607
Std Dev 1.157

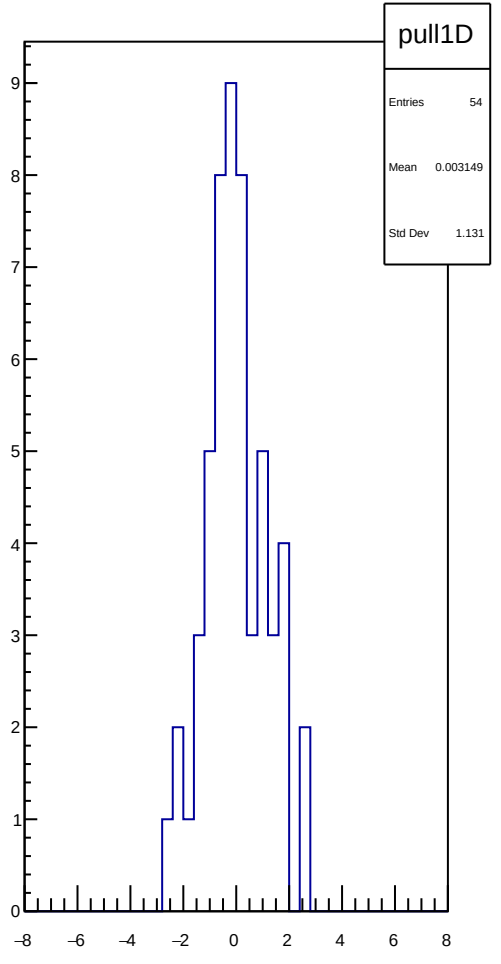

asym_usl_atl1_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.641e+05 / 53
p0 54.74 ± 0.06242
350
300
250
200
150
100
50
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

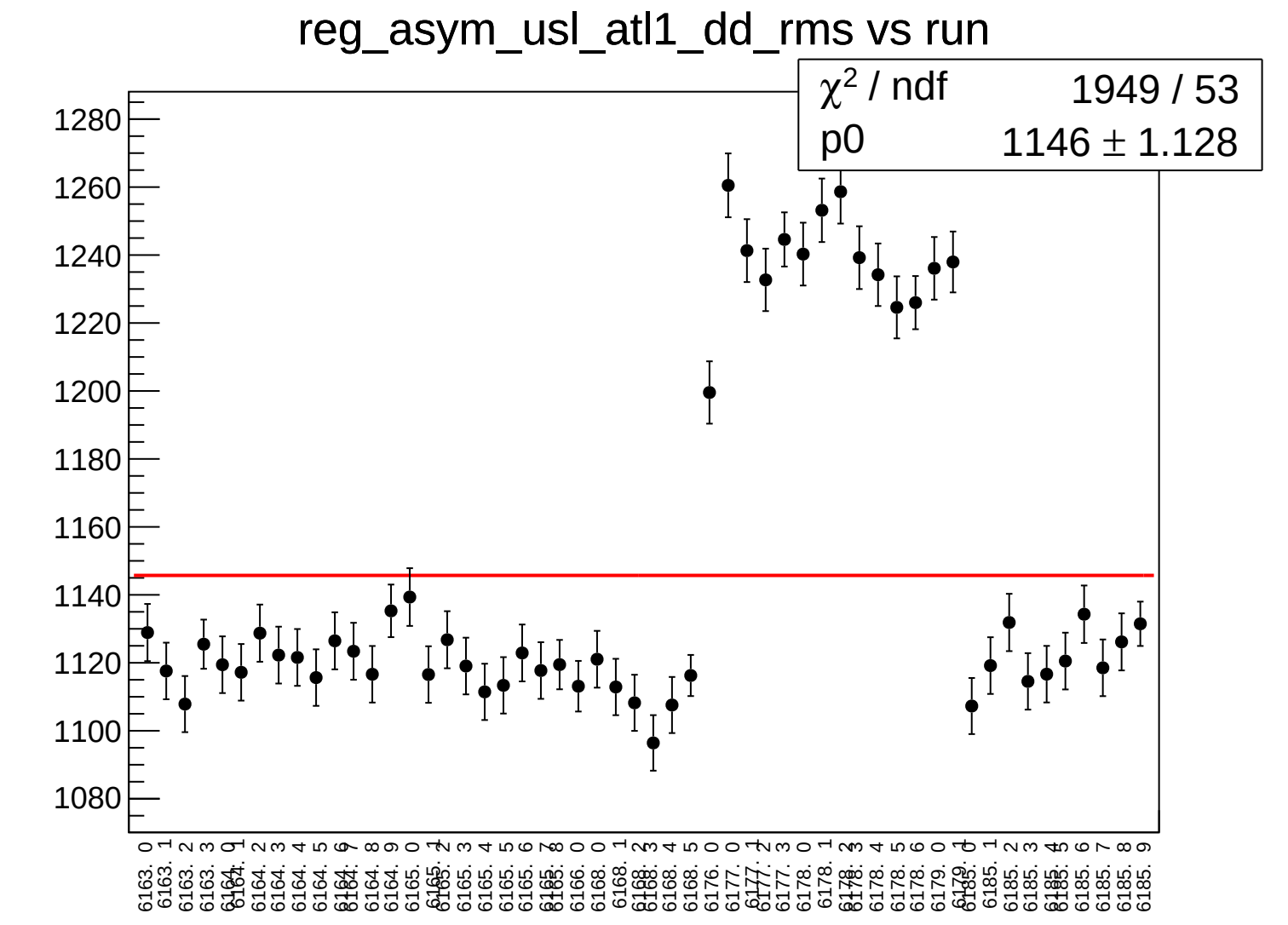

asym_usl_atl1_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 65.35 / 53
p0 2.893e−14 ± 6.507e−14
pull
Entries 54
Mean −77.22
Std Dev 0

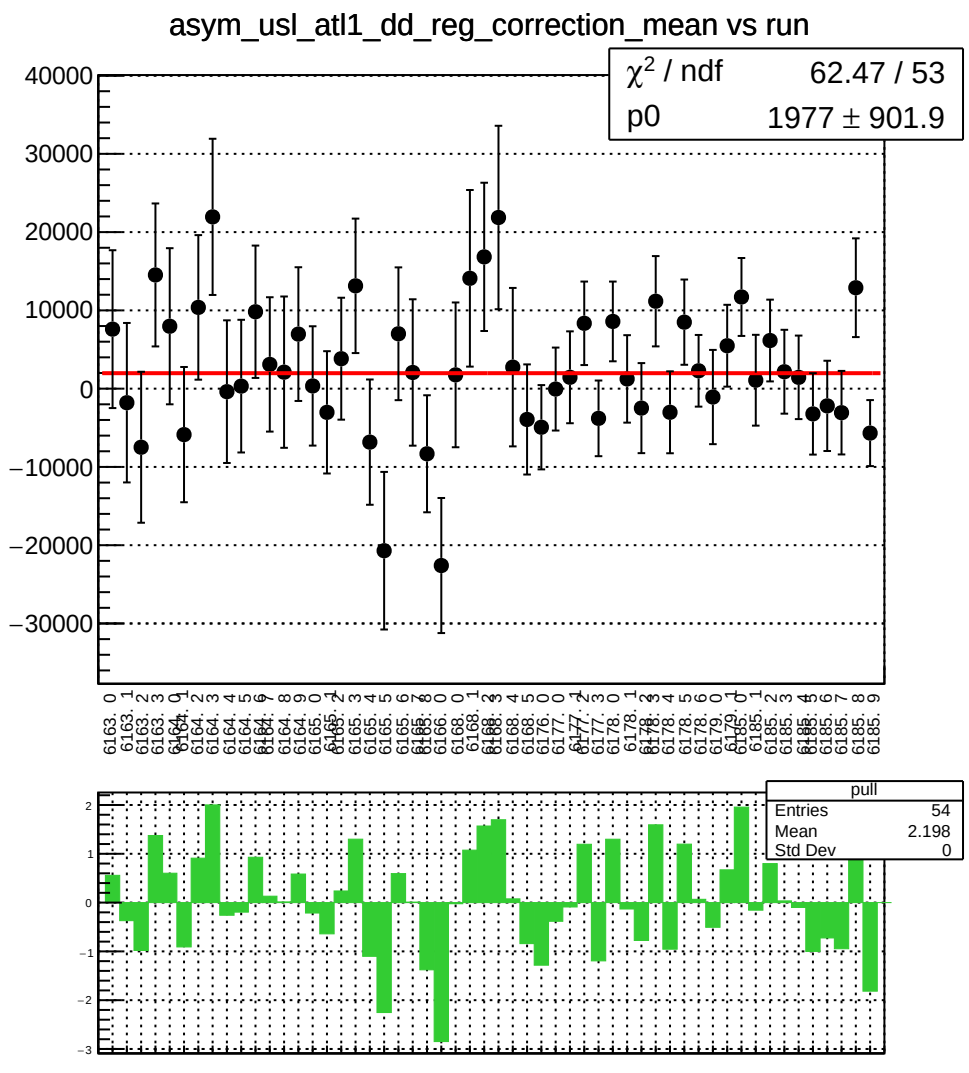

pull1D
Entries 54
Mean −0.02022
Std Dev 1.1

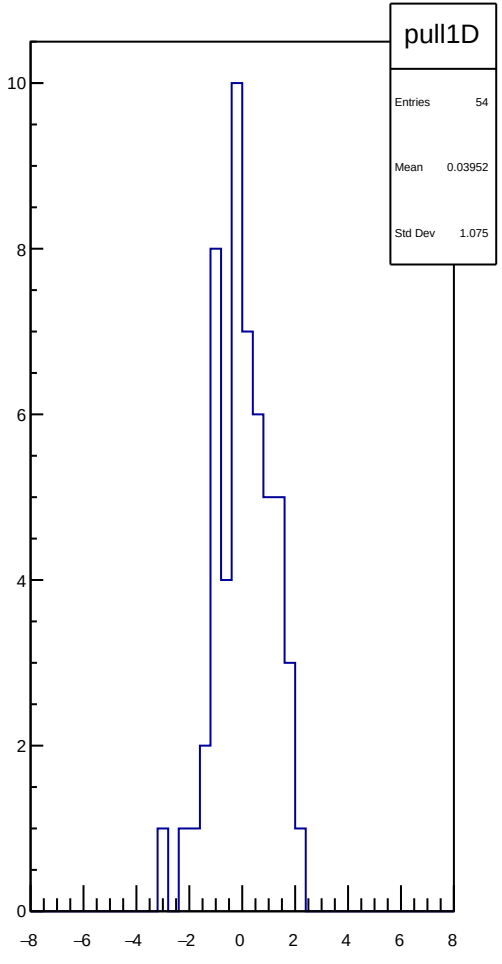

asym_usl_atl1_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.723e+05 / 53
p0 3.123e−11 ± 4.601e−14
1.4
1.2
1
0.8
0.6
0.4
0.2
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

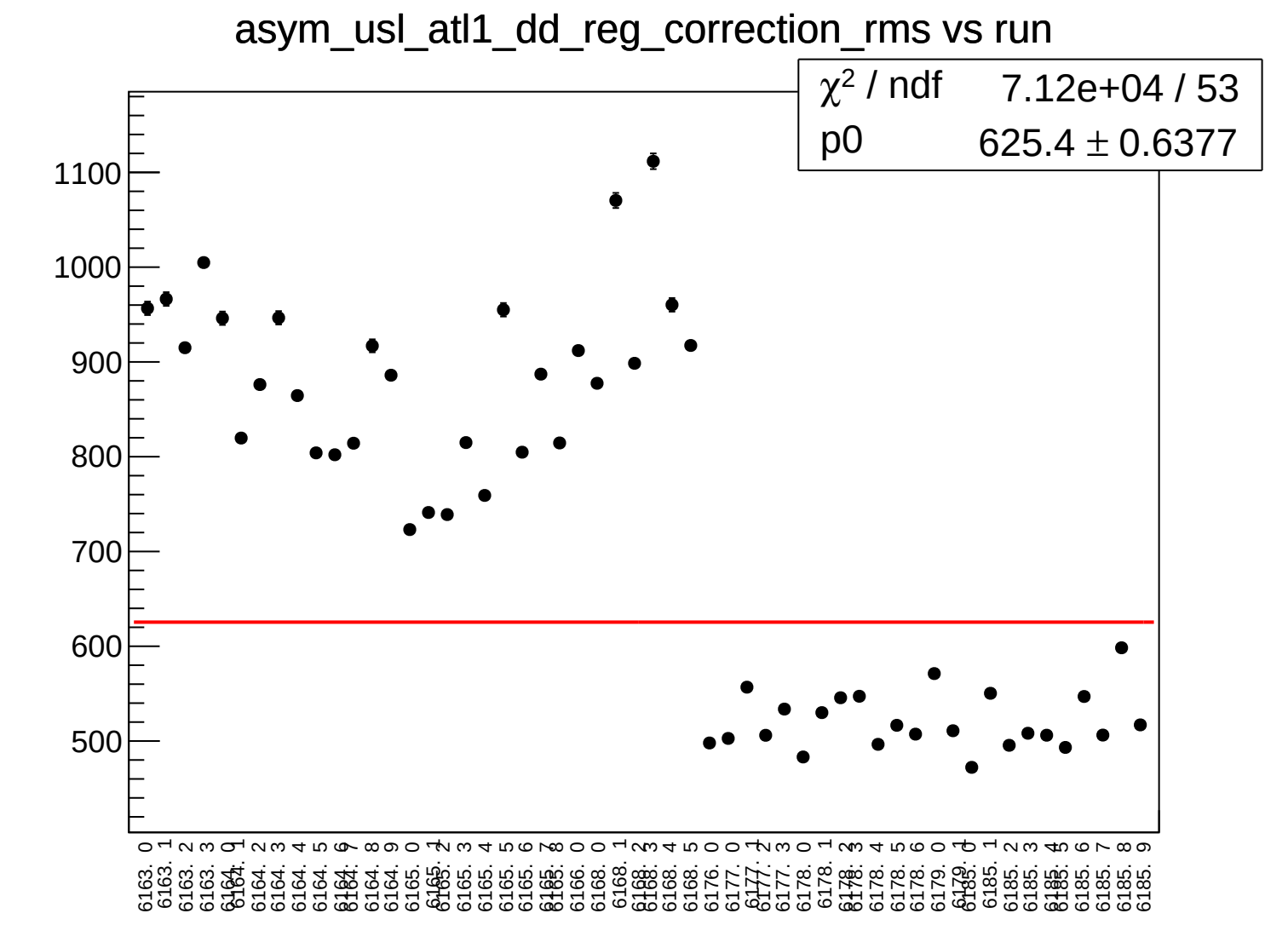

reg_asym_usl_atl1_dd_mean vs run
χ² / ndf 69.05 / 53
p0 459.5 ± 1596
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 939.3
Std Dev 0
2
1
0
−1
−2

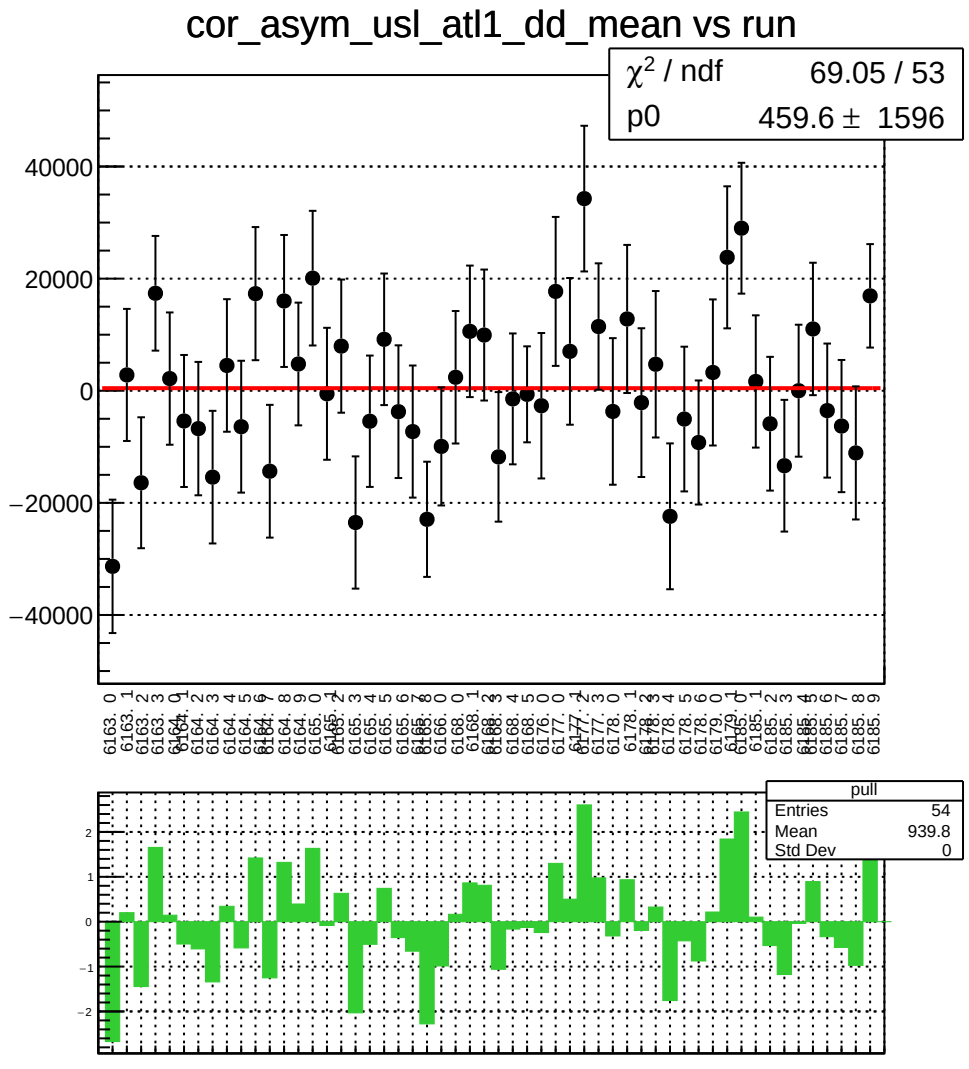

pull1D
Entries 54
Mean 0.003149
Std Dev 1.131
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

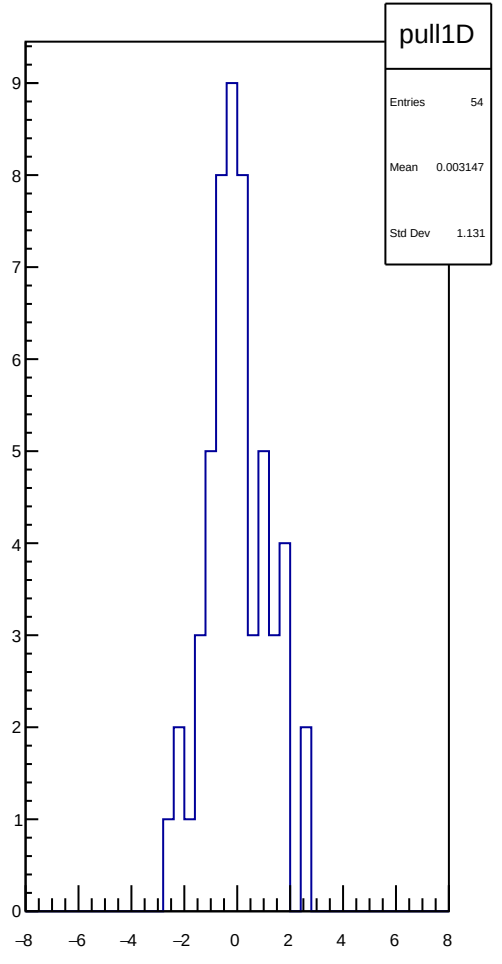

reg_asym_usl_atl1_dd_rms vs run
χ² / ndf 1949 / 53
p0 1146 ± 1.128
1280
1260
1240
1220
1200
1180
1160
1140
1120
1100
1080
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

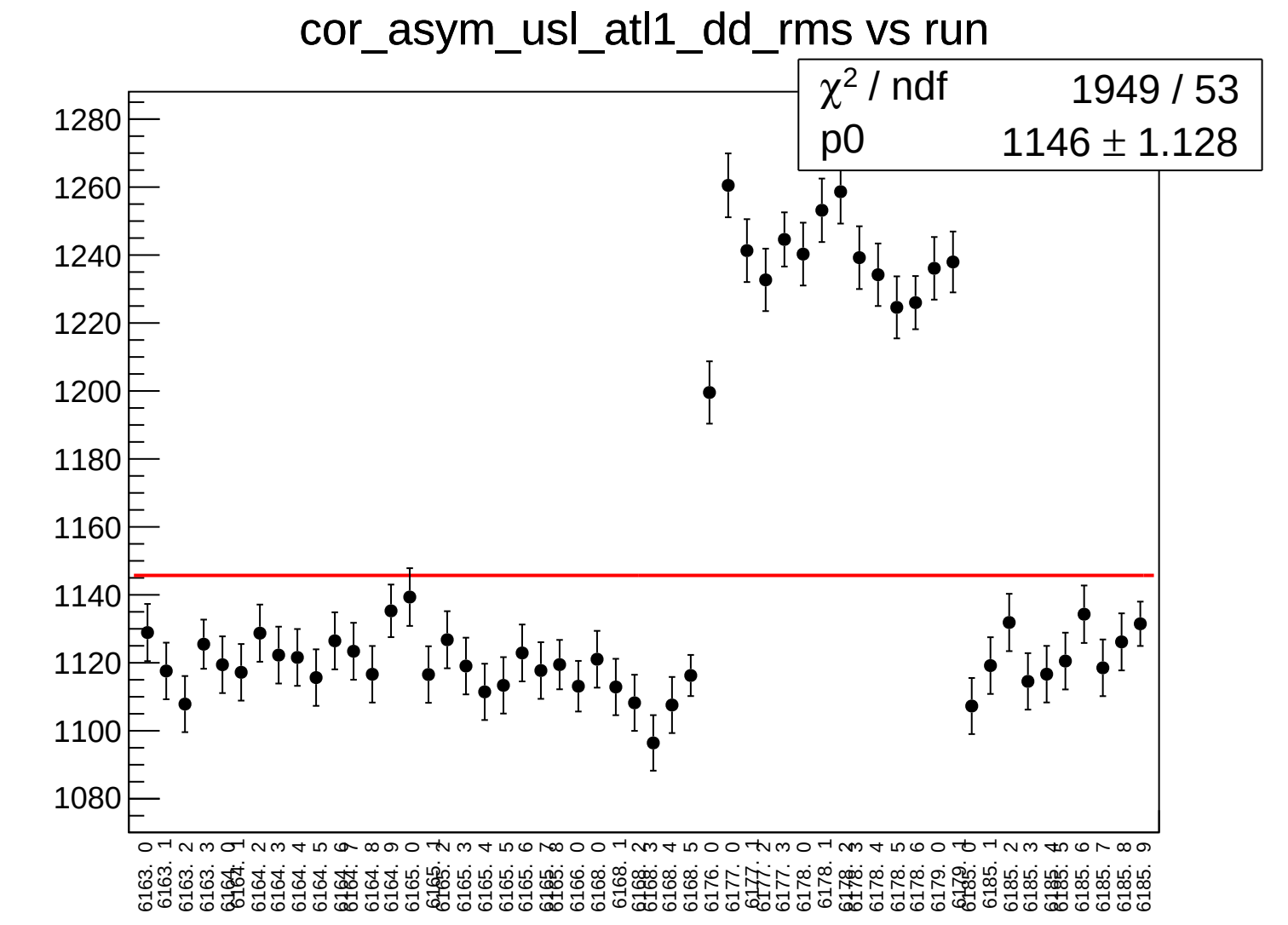

asym_usl_atl1_dd_reg_correction_mean vs run
χ² / ndf 62.47 / 53
p0 1977 ± 901.9
pull
Entries 54
Mean 2.198
Std Dev 0

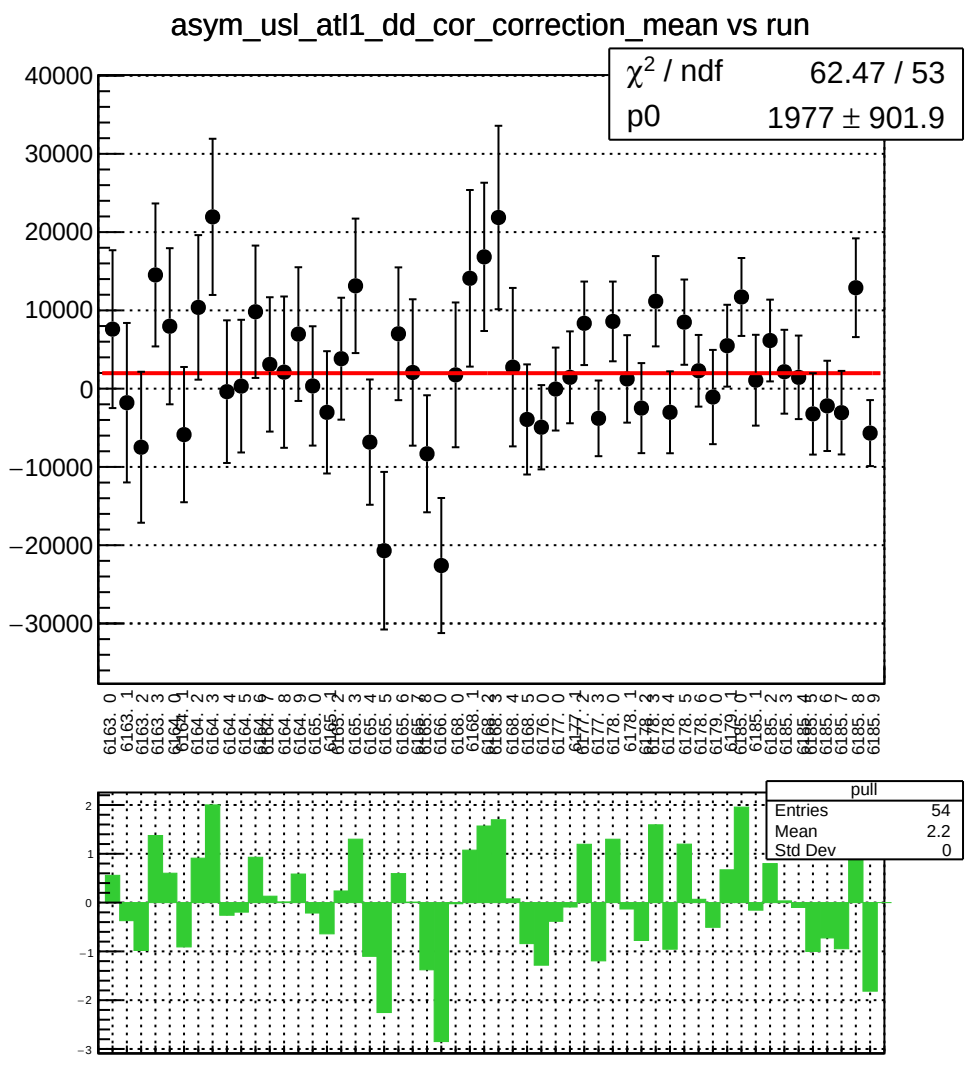

pull1D
Entries 54
Mean 0.03952
Std Dev 1.075

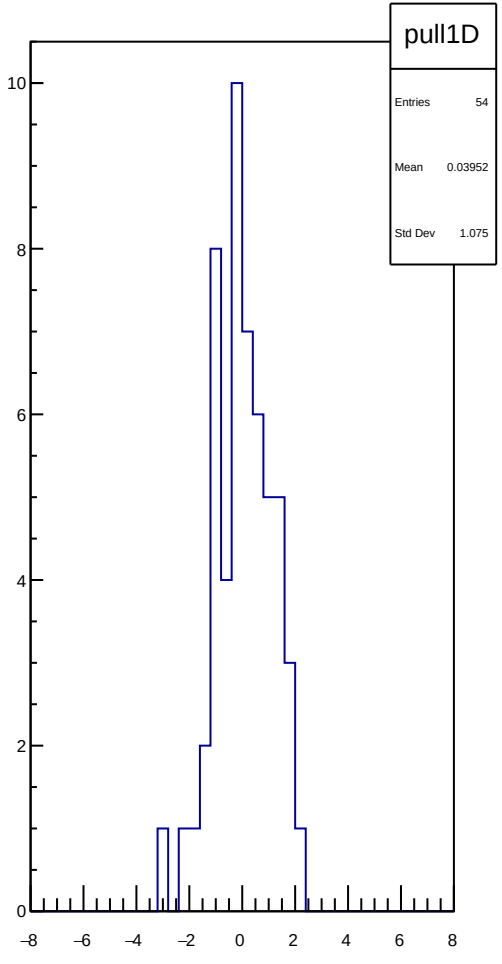

asym_usl_atl1_dd_reg_correction_rms vs run
χ² / ndf 7.12e+04 / 53
p0 625.4 ± 0.6377
1100
1000
900
800
700
600
500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

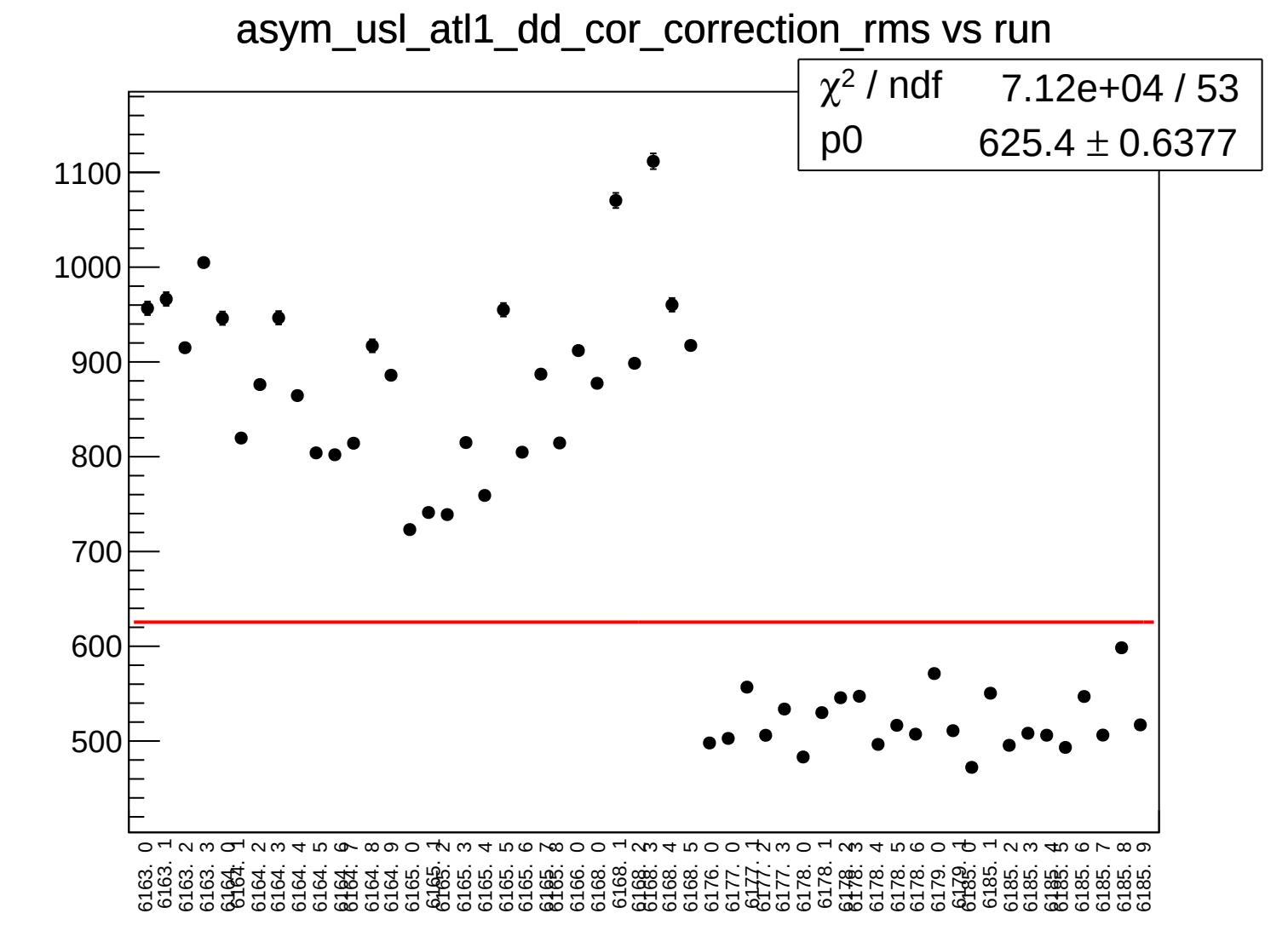

cor_asym_usl_atl1_dd_mean vs run
χ² / ndf 69.05 / 53
p0 459.6 ± 1596
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 939.8
Std Dev 0
2
1
0
−1
−2

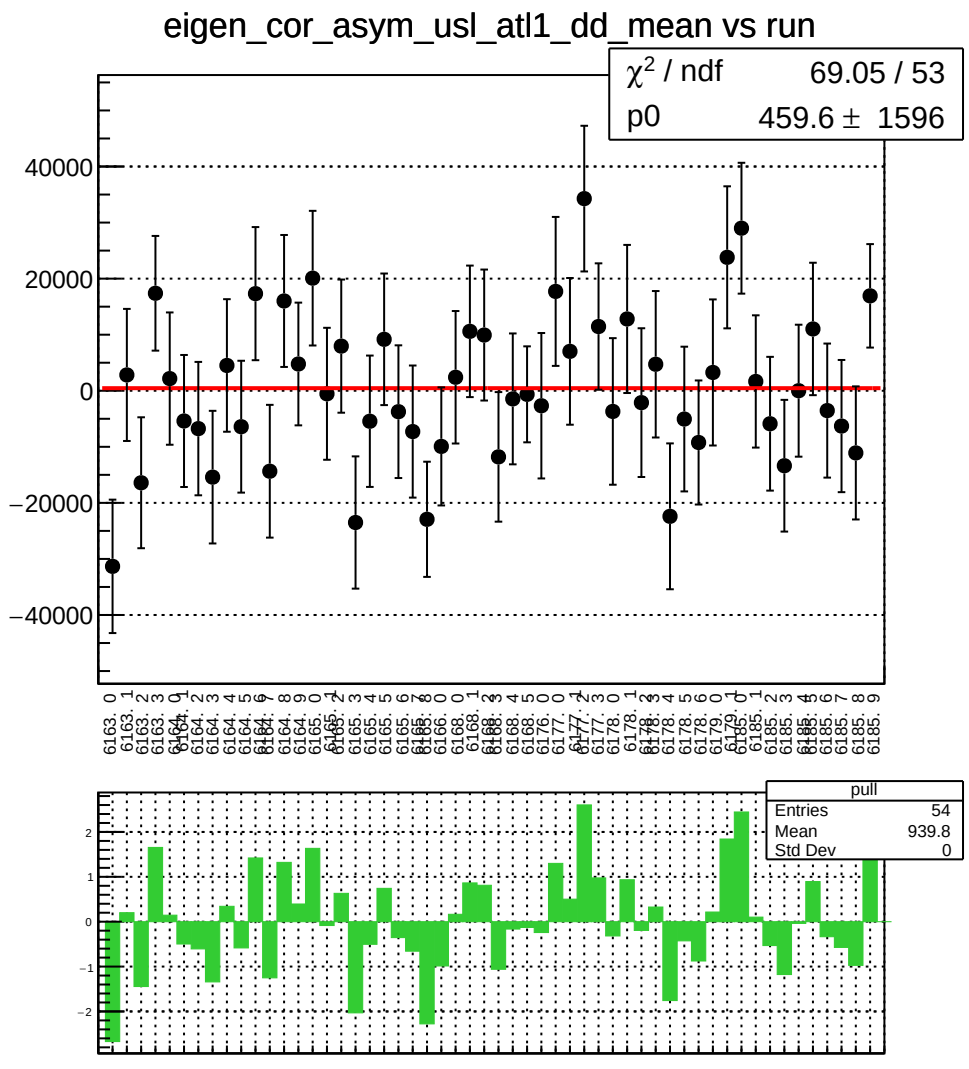

pull1D
Entries 54
Mean 0.003147
Std Dev 1.131
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

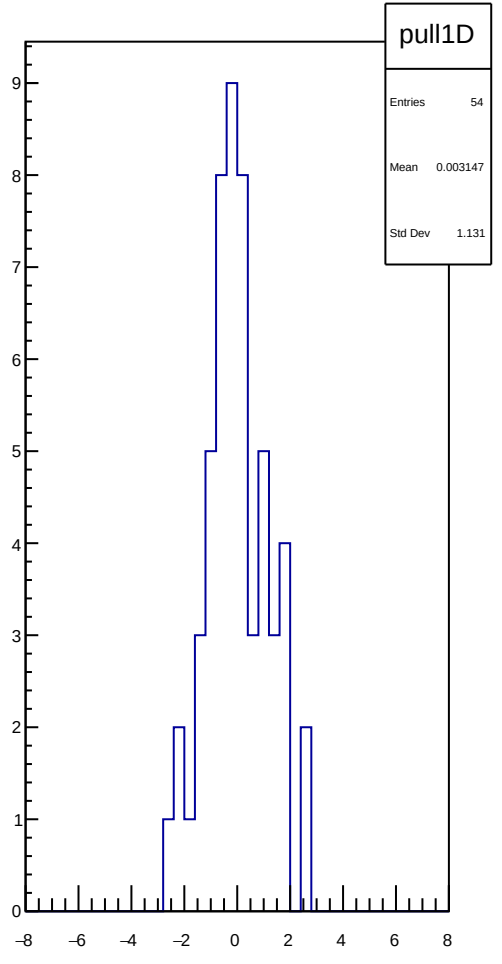

cor_asym_usl_atl1_dd_rms vs run
χ² / ndf 1949 / 53
p0 1146 ± 1.128
1280
1260
1240
1220
1200
1180
1160
1140
1120
1100
1080
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

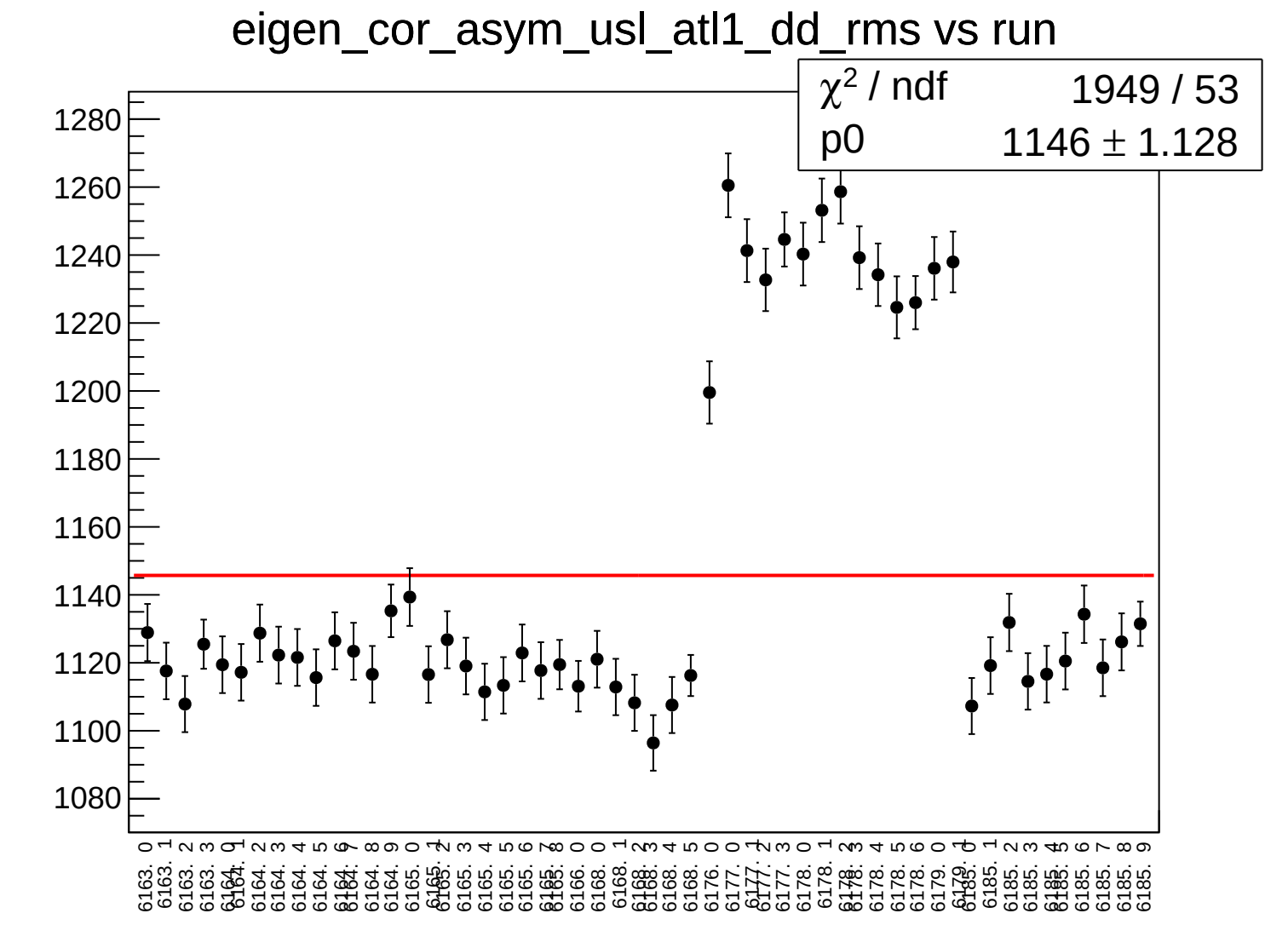

asym_usl_atl1_dd_cor_correction_mean vs run
χ² / ndf 62.47 / 53
p0 1977 ± 901.9
pull
Entries 54
Mean 2.2
Std Dev 0

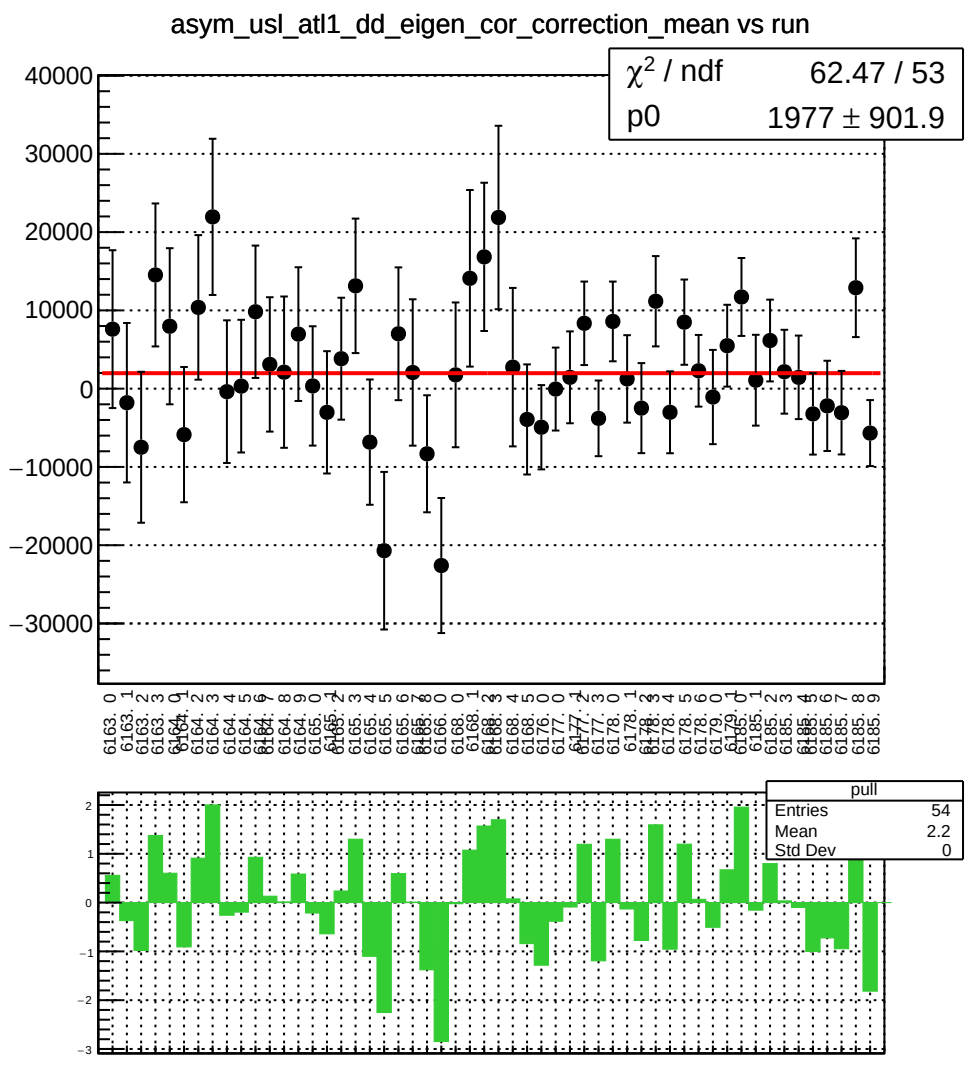

pull1D
Entries 54
Mean 0.03952
Std Dev 1.075

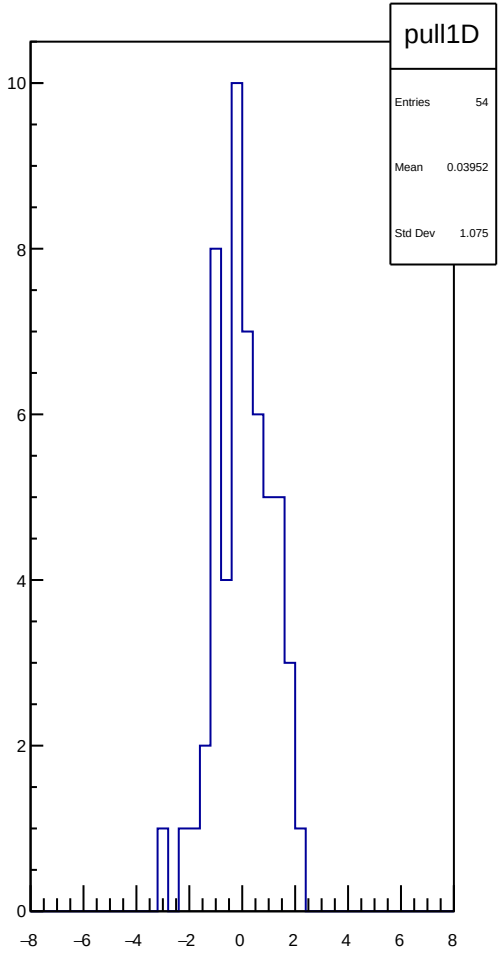

asym_usl_atl1_dd_cor_correction_rms vs run
χ² / ndf 7.12e+04 / 53
p0 625.4 ± 0.6377
1100
1000
900
800
700
600
500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

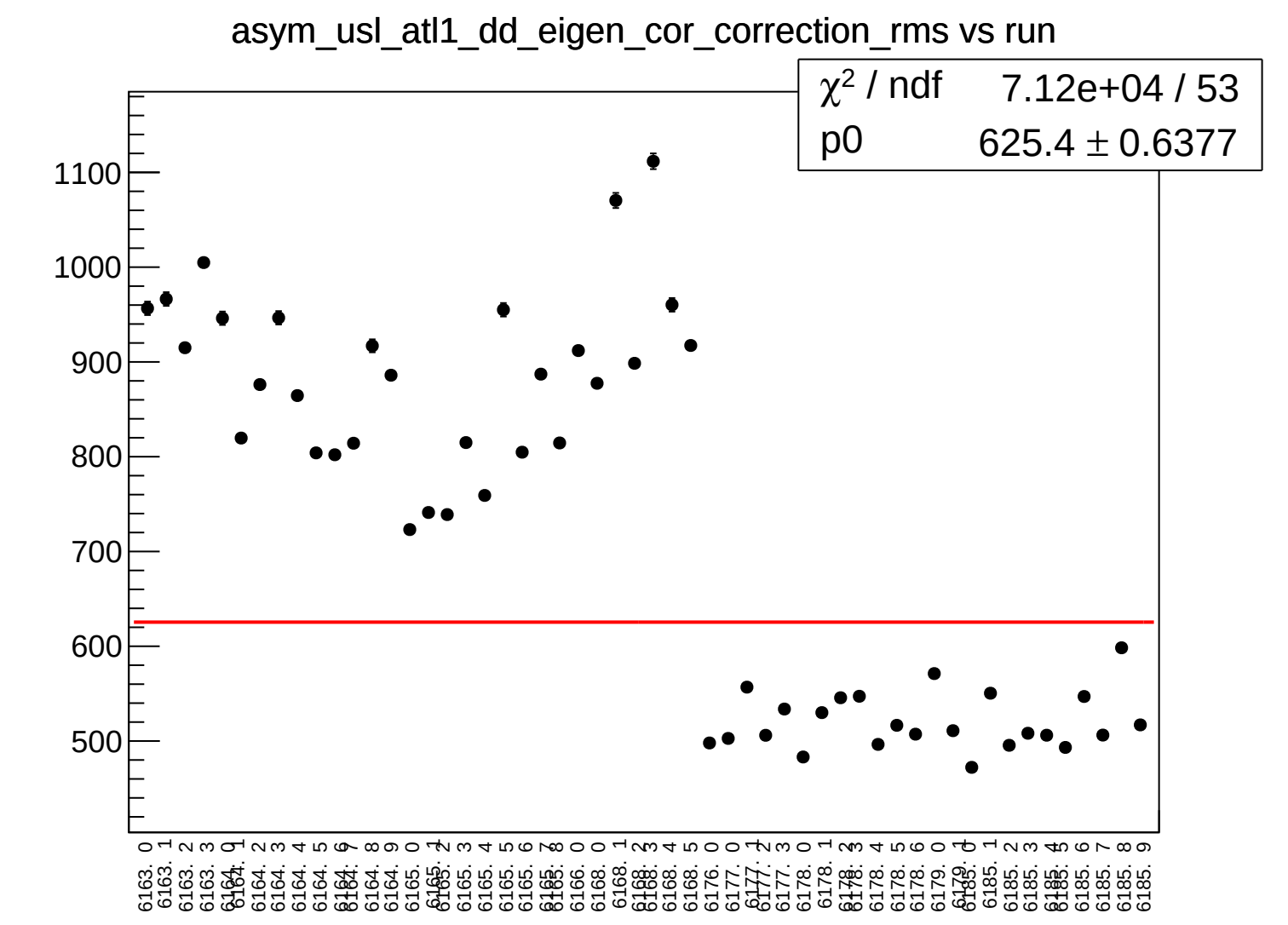

eigen_cor_asym_usl_atl1_dd_mean vs run
χ² / ndf 69.05 / 53
p0 459.6 ± 1596
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 939.8
Std Dev 0
2
1
0
−1
−2

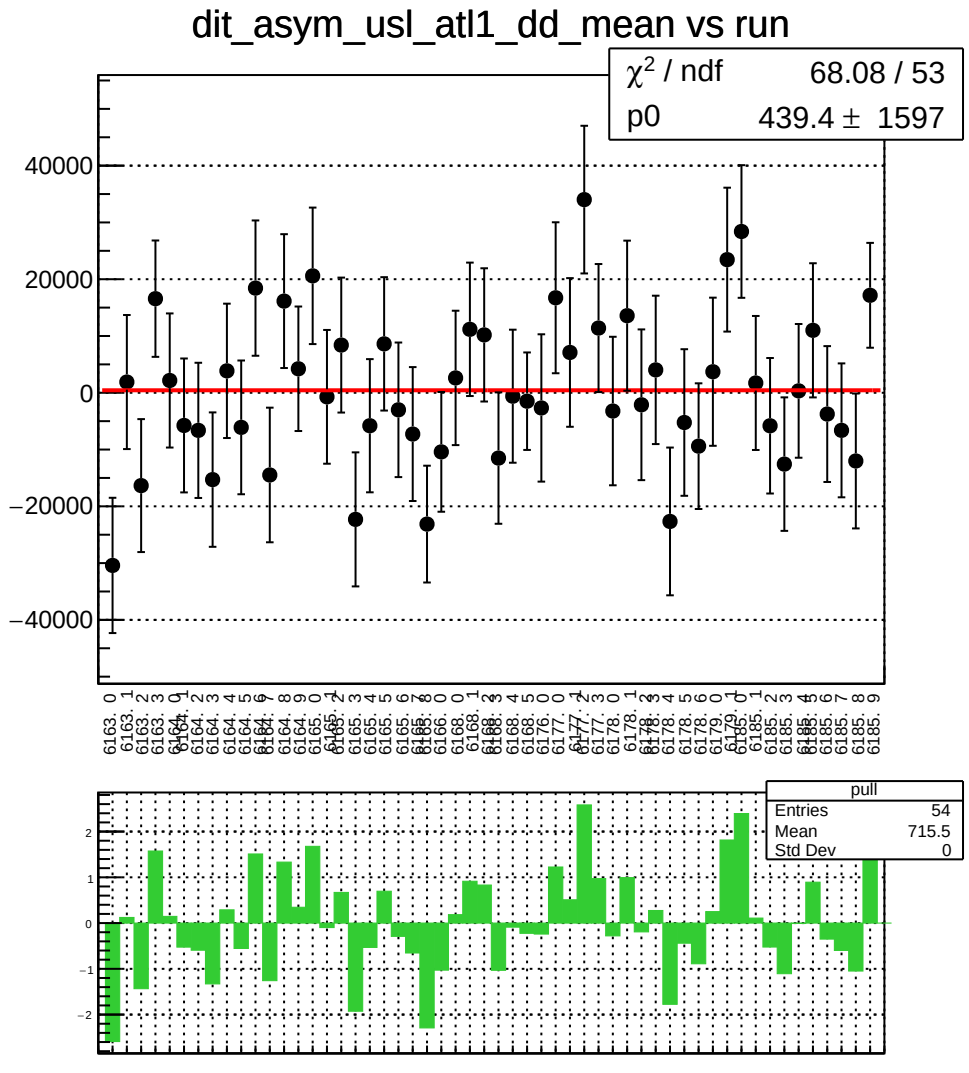

pull1D
Entries 54
Mean 0.003147
Std Dev 1.131
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

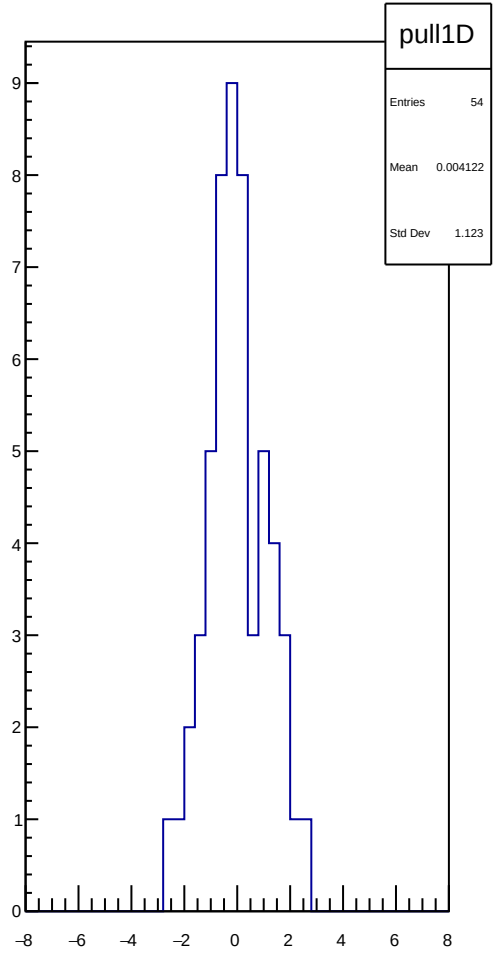

eigen_cor_asym_usl_atl1_dd_rms vs run
χ² / ndf 1949 / 53
p0 1146 ± 1.128
1280
1260
1240
1220
1200
1180
1160
1140
1120
1100
1080
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

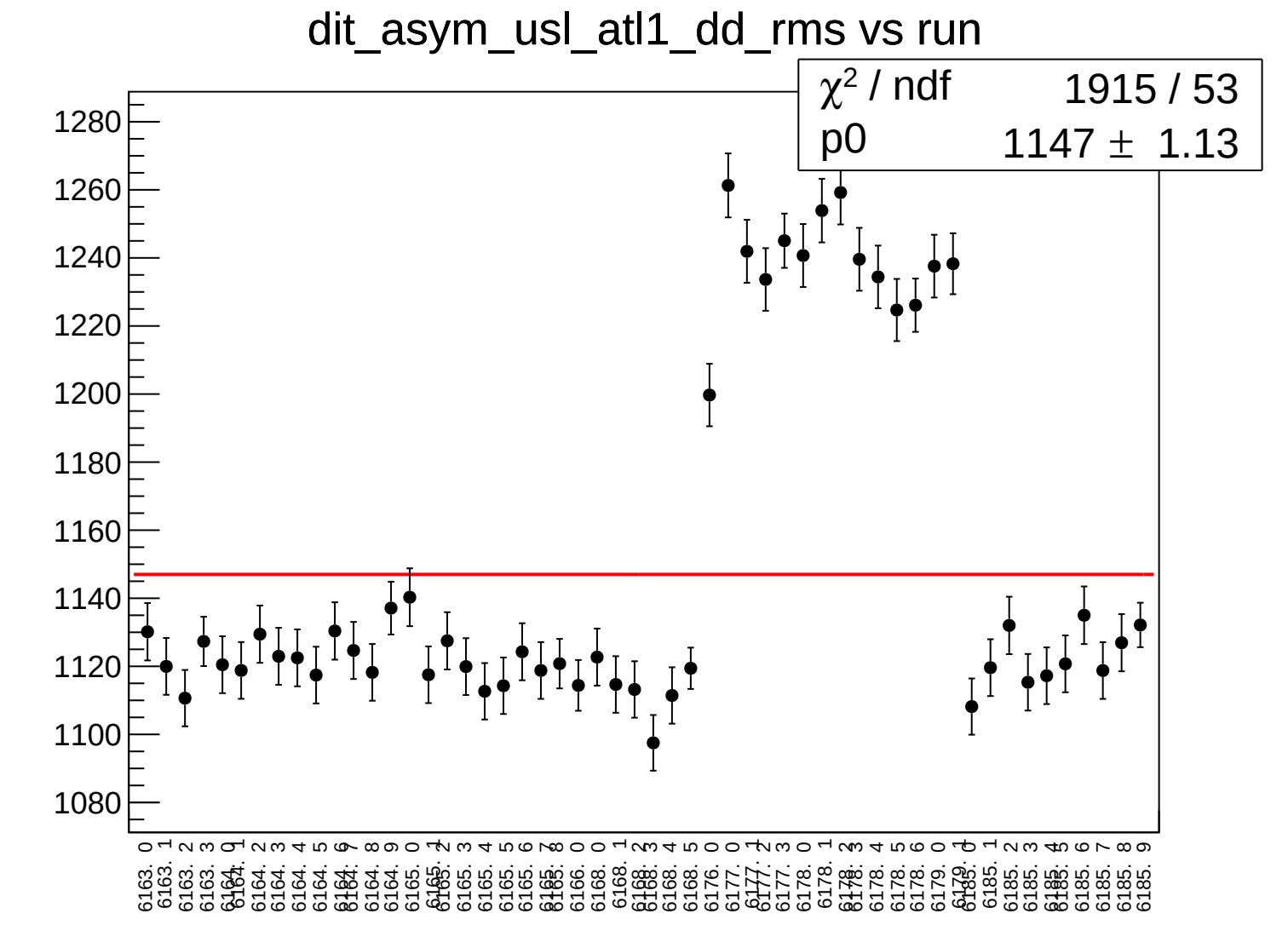

asym_usl_atl1_dd_eigen_cor_correction_mean vs run
χ² / ndf 62.47 / 53
p0 1977 ± 901.9
pull
Entries 54
Mean 2.2
Std Dev 0

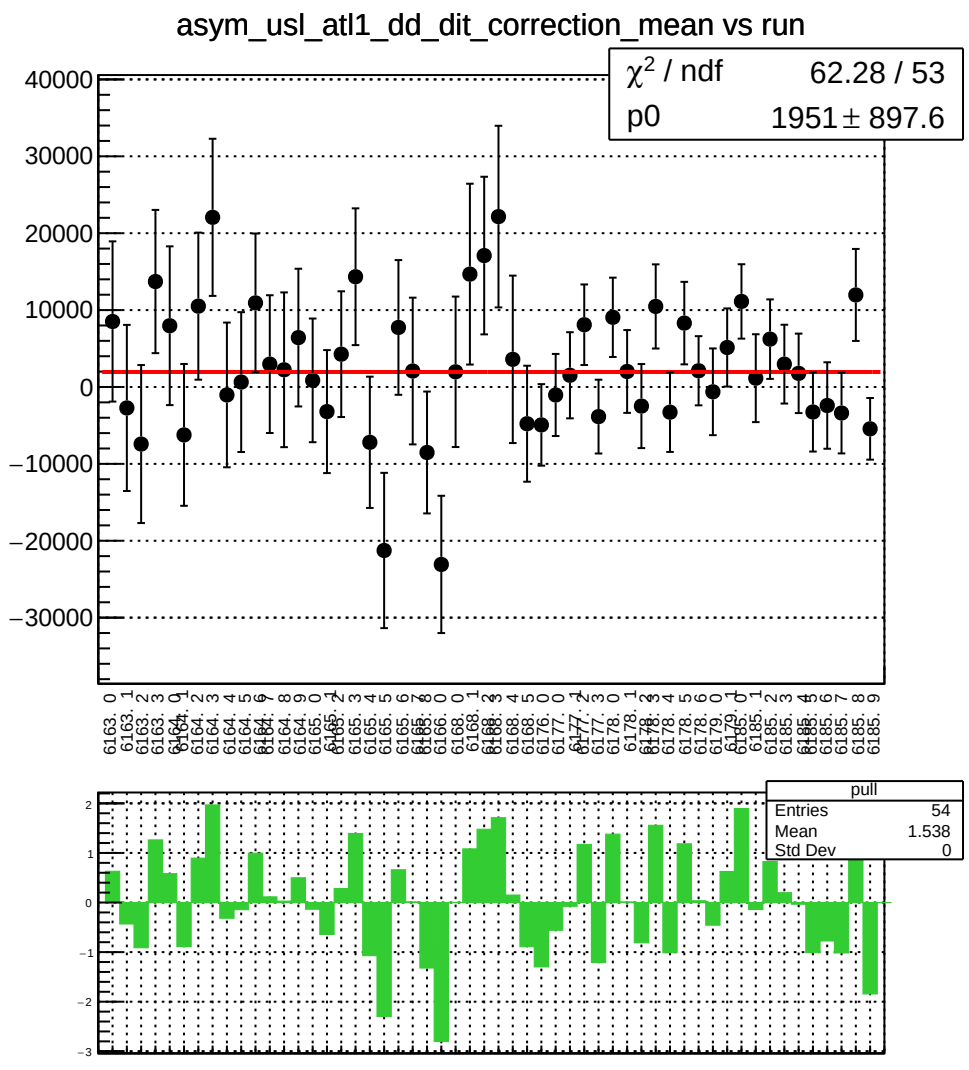

pull1D
Entries 54
Mean 0.03952
Std Dev 1.075

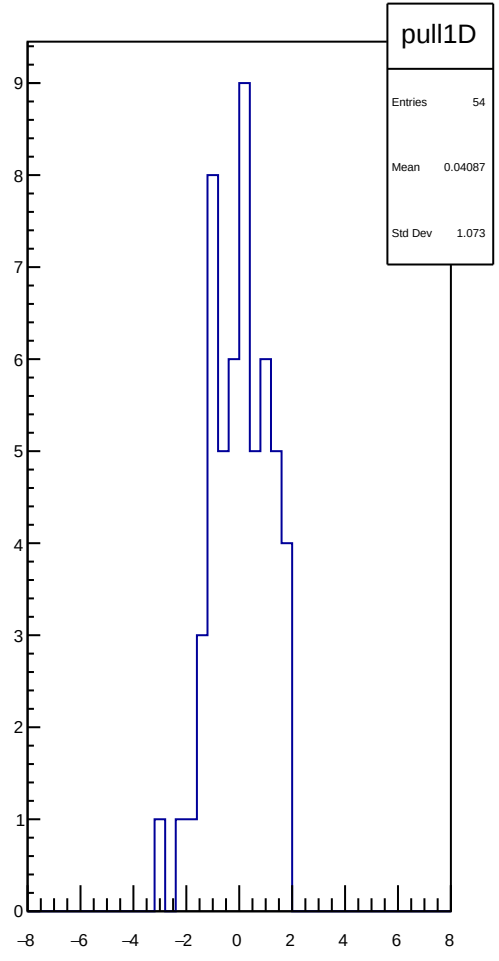

asym_usl_atl1_dd_eigen_cor_correction_rms vs run
χ² / ndf 7.12e+04 / 53
p0 625.4 ± 0.6377
1100
1000
900
800
700
600
500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

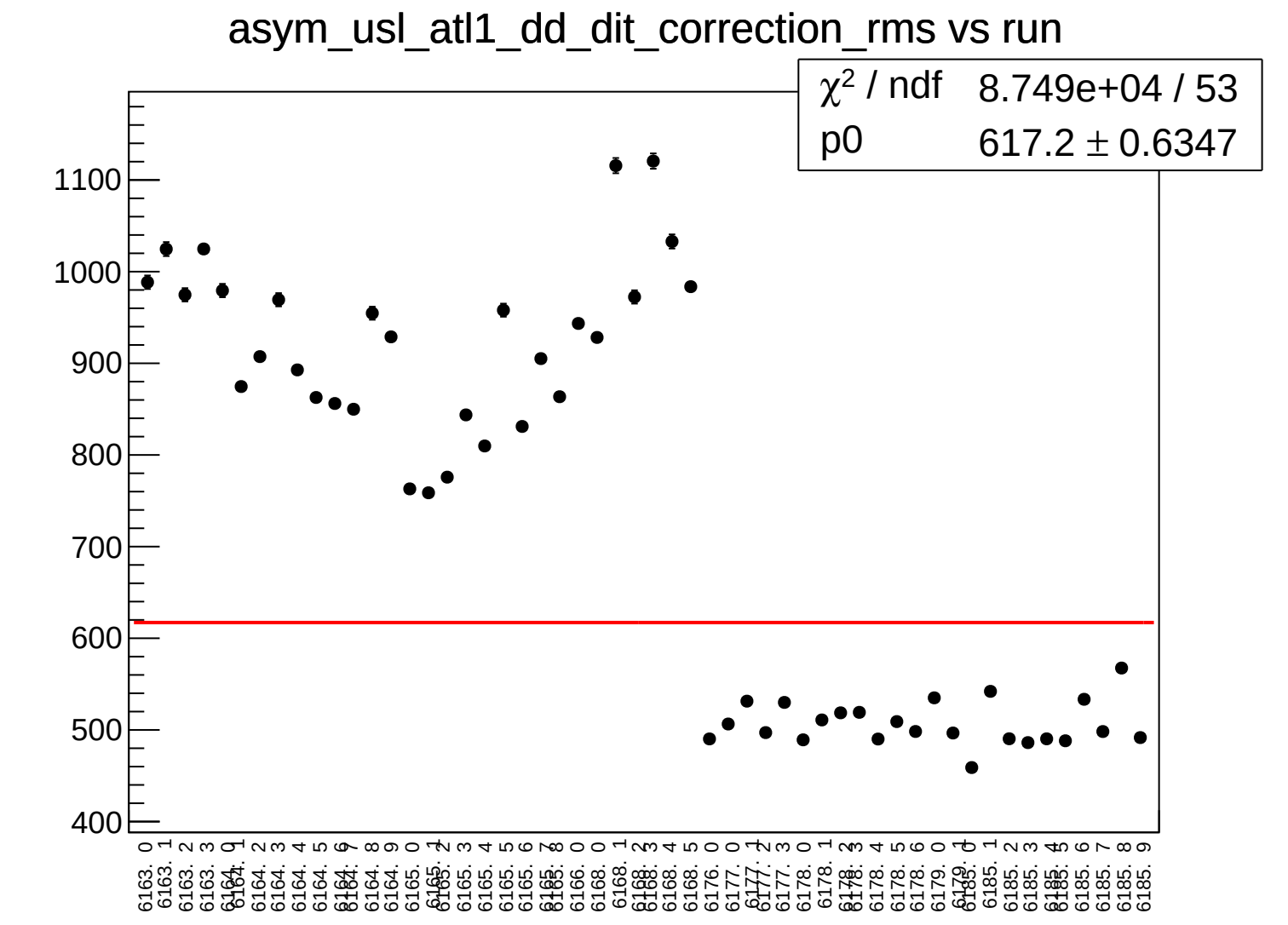

dit_asym_usl_atl1_dd_mean vs run
χ² / ndf 68.08 / 53
p0 439.4 ± 1597
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 715.5
Std Dev 0
2
1
0
−1
−2

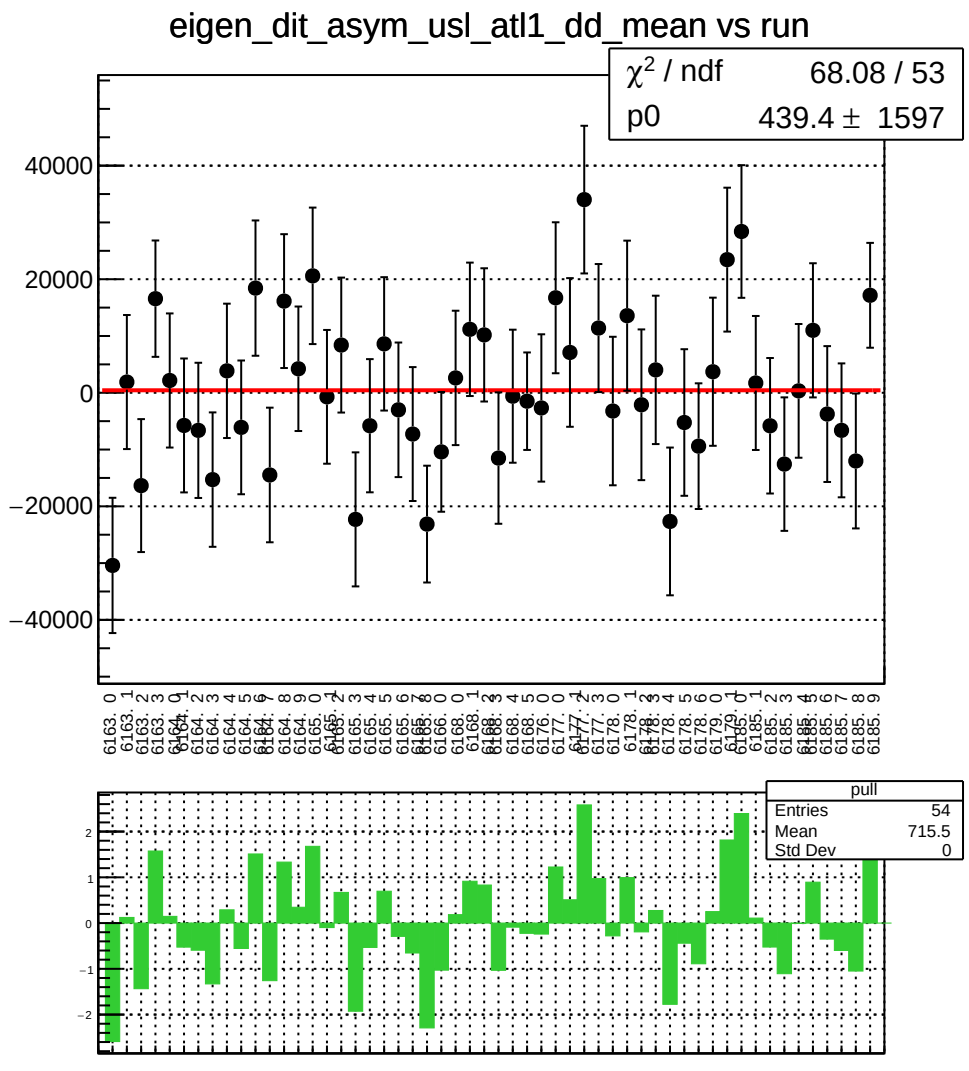

pull1D
Entries 54
Mean 0.004122
Std Dev 1.123
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

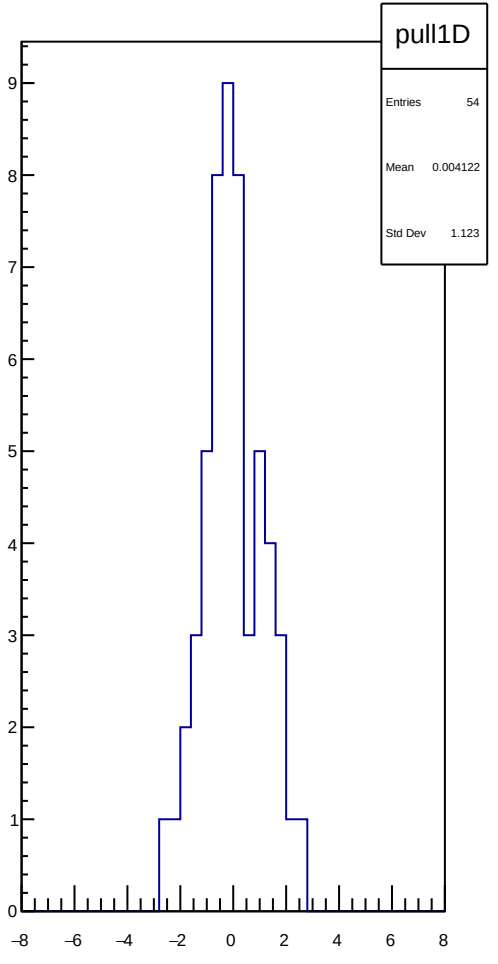

dit_asym_usl_atl1_dd_rms vs run
χ² / ndf 1915 / 53
p0 1147 ± 1.13
1280
1260
1240
1220
1200
1180
1160
1140
1120
1100
1080
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

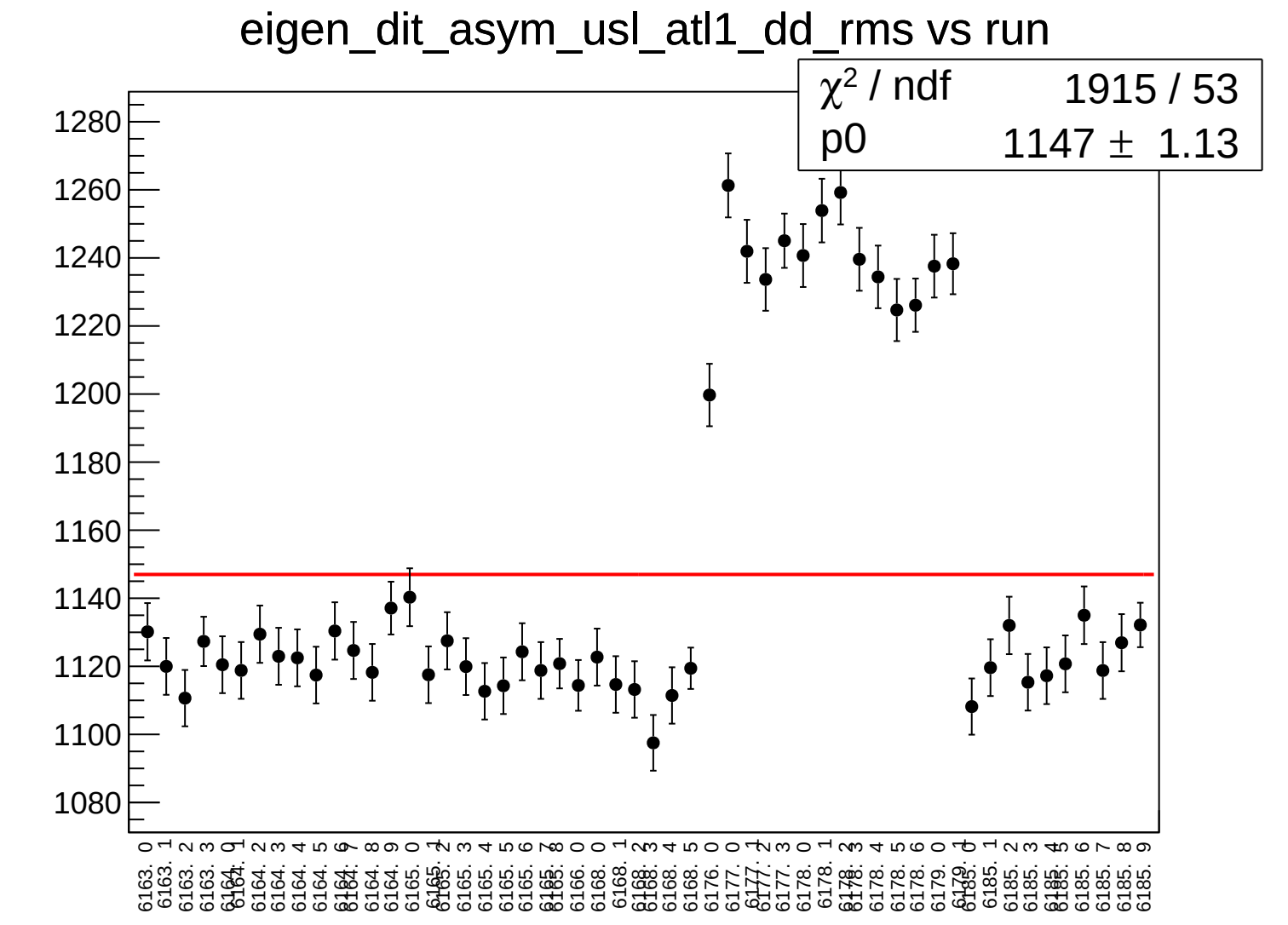

asym_usl_atl1_dd_dit_correction_mean vs run
χ^2 / ndf 62.28 / 53
p0 1951 ± 897.6
pull
Entries 54
Mean 1.538
Std Dev 0

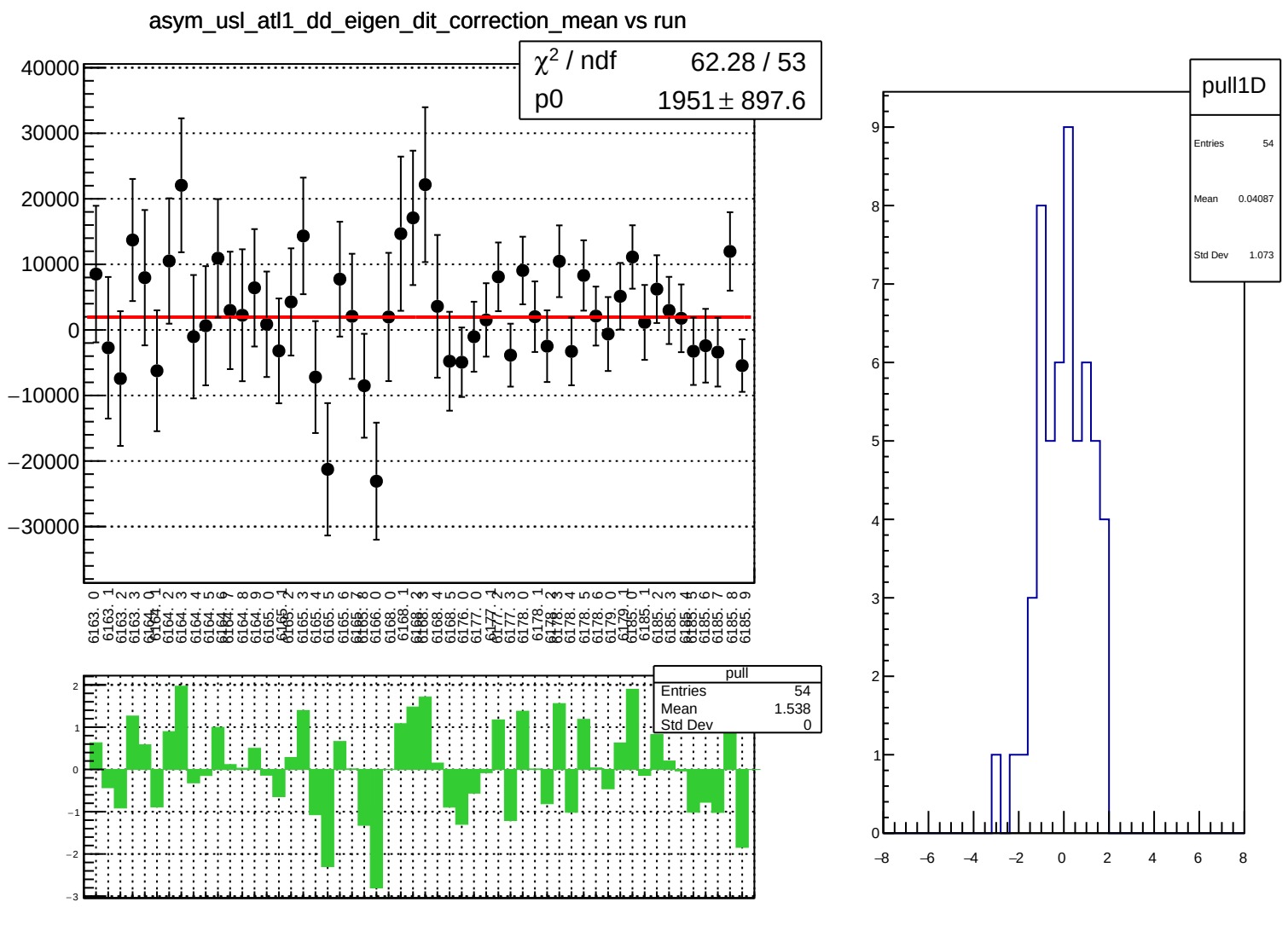

pull1D
Entries 54
Mean 0.04087
Std Dev 1.073

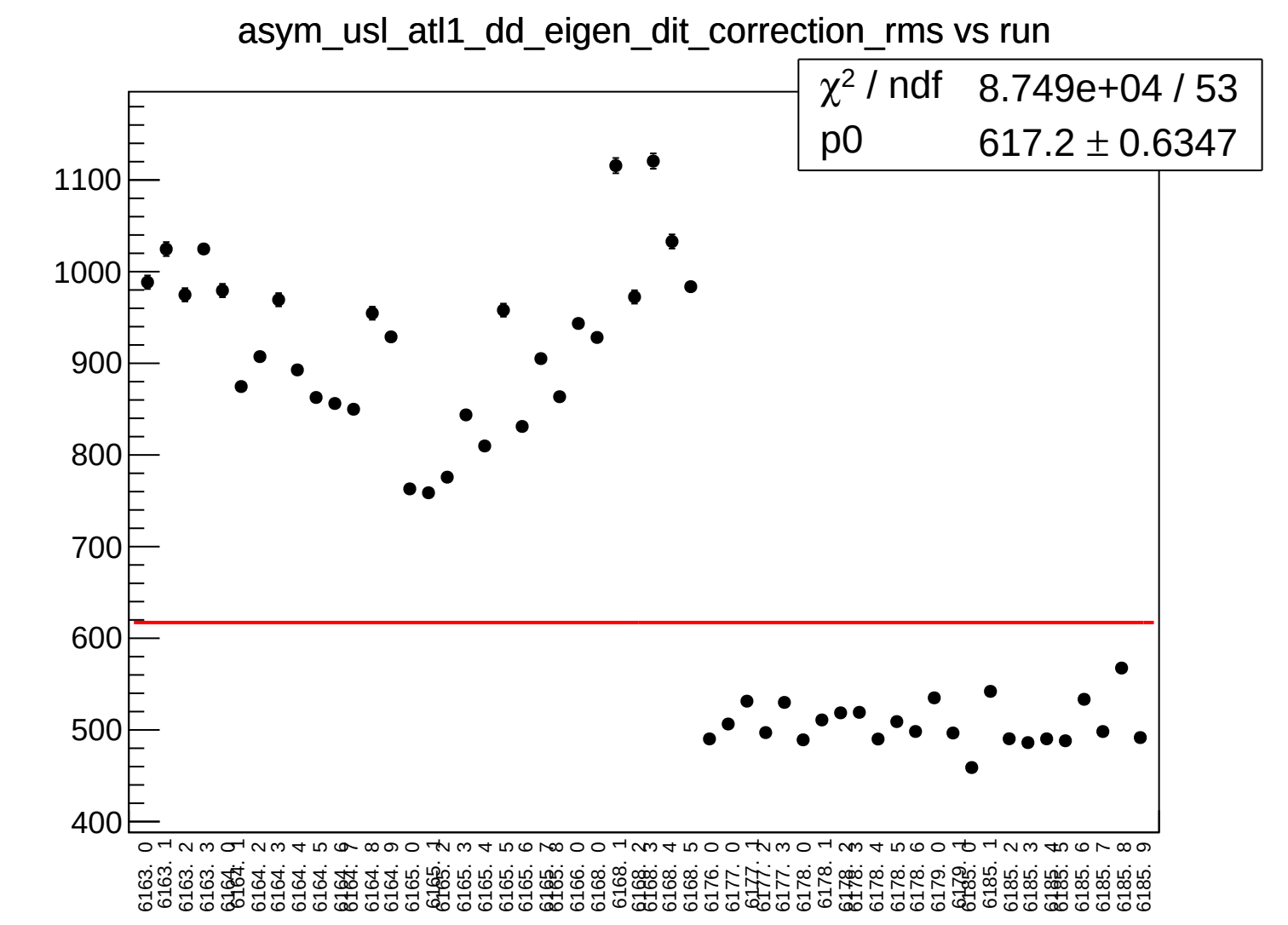

asym_usl_atl1_dd_dit_correction_rms vs run
χ² / ndf 8.749e+04 / 53
p0 617.2 ± 0.6347
1100
1000
900
800
700
600
500
400
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

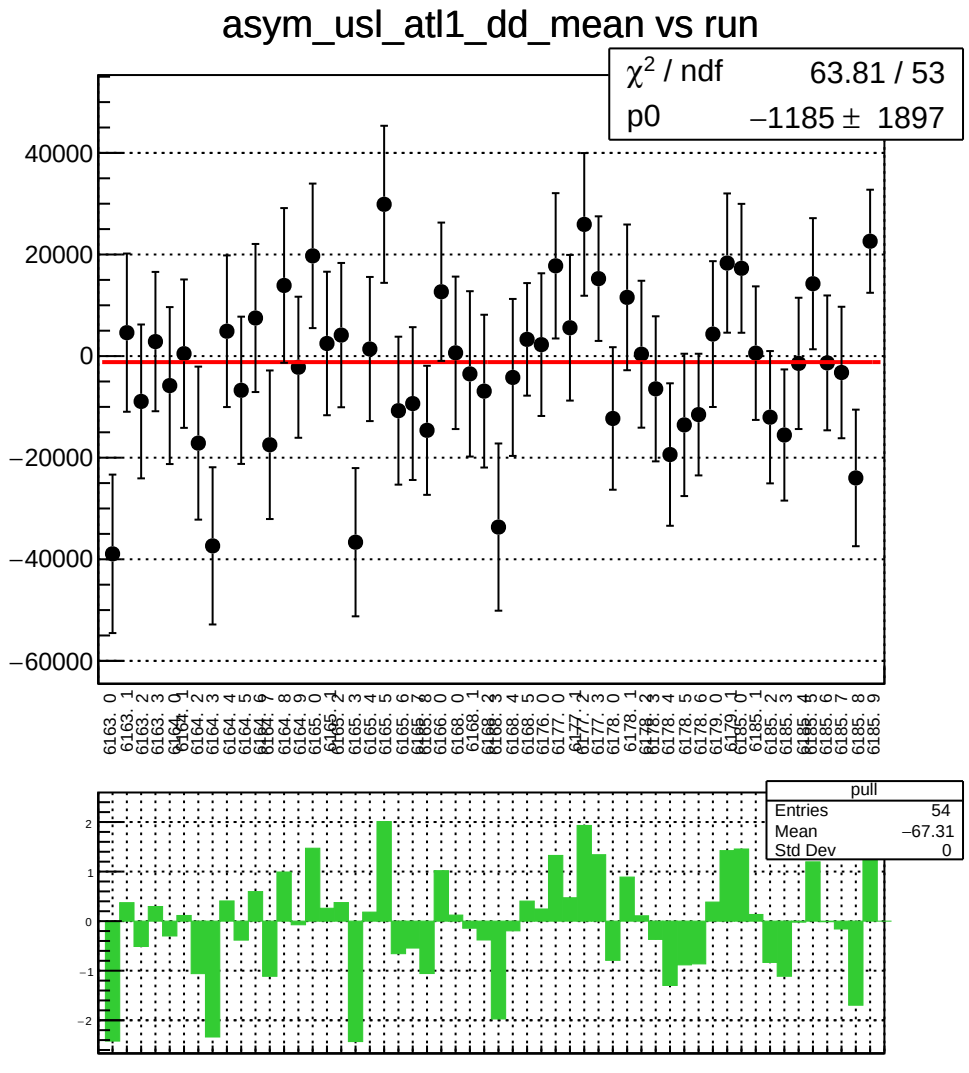

eigen_dit_asym_usl_atl1_dd_mean vs run
χ² / ndf 68.08 / 53
p0 439.4 ± 1597
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 715.5
Std Dev 0
2
1
0
−1
−2

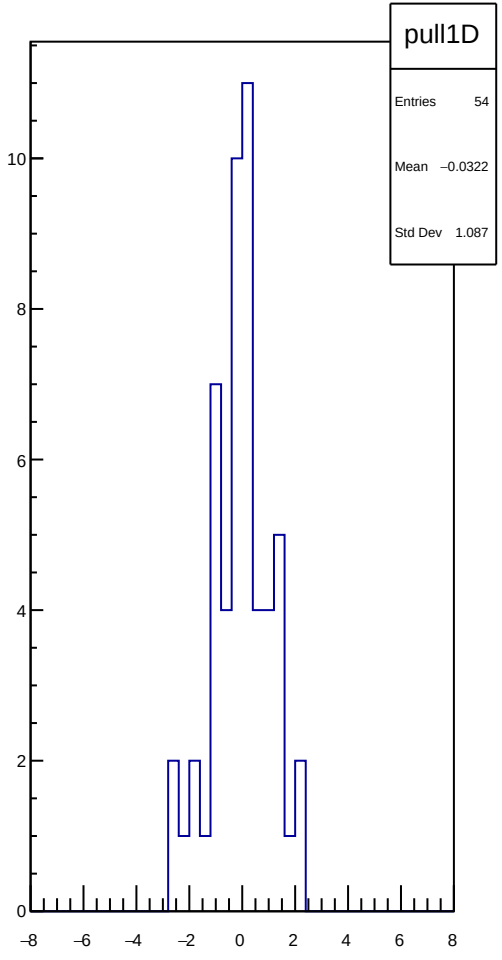

pull1D
Entries 54
Mean 0.004122
Std Dev 1.123
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

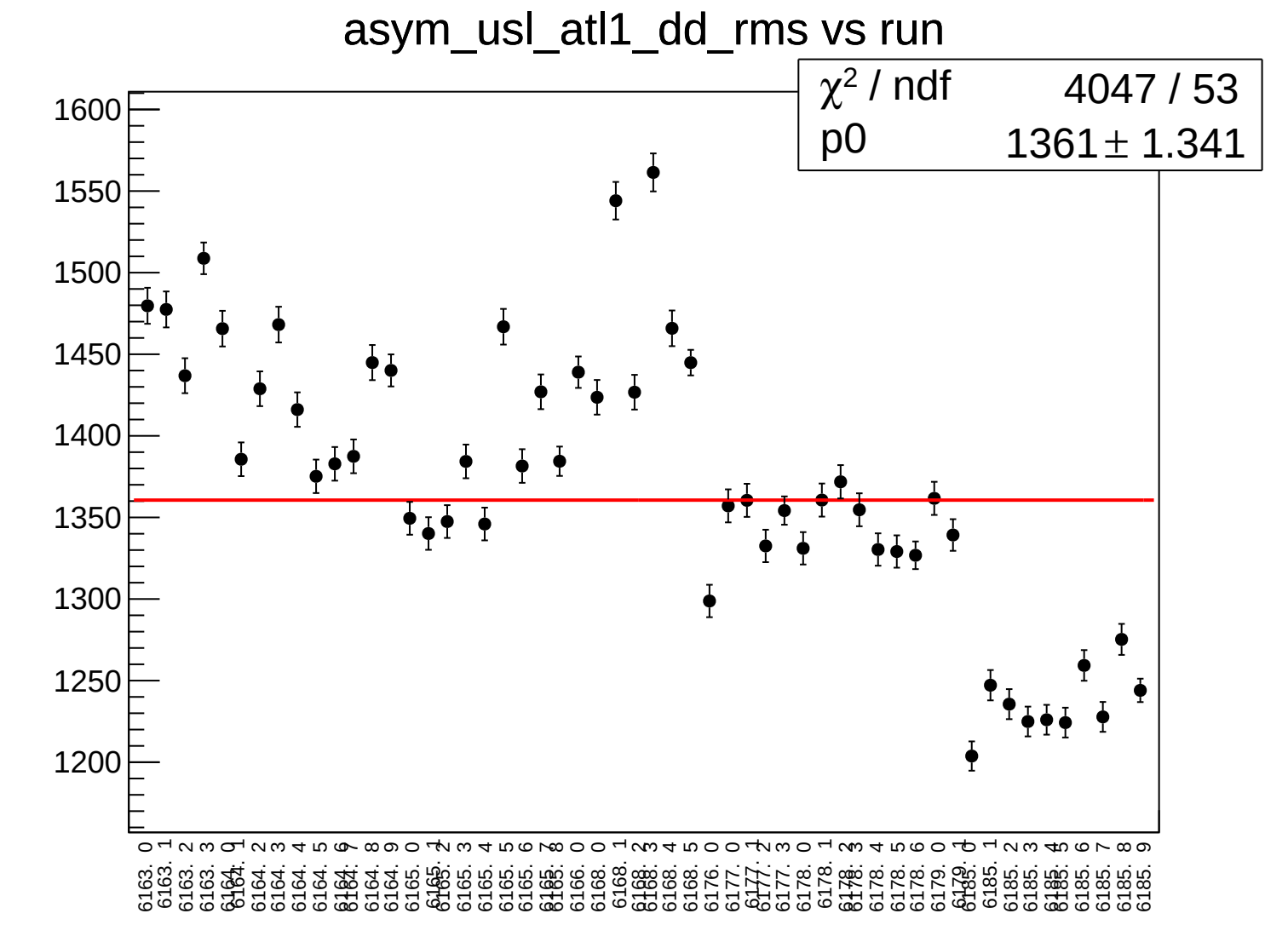

eigen_dit_asym_usl_atl1_dd_rms vs run
χ² / ndf 1915 / 53
p0 1147 ± 1.13
1280
1260
1240
1220
1200
1180
1160
1140
1120
1100
1080
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

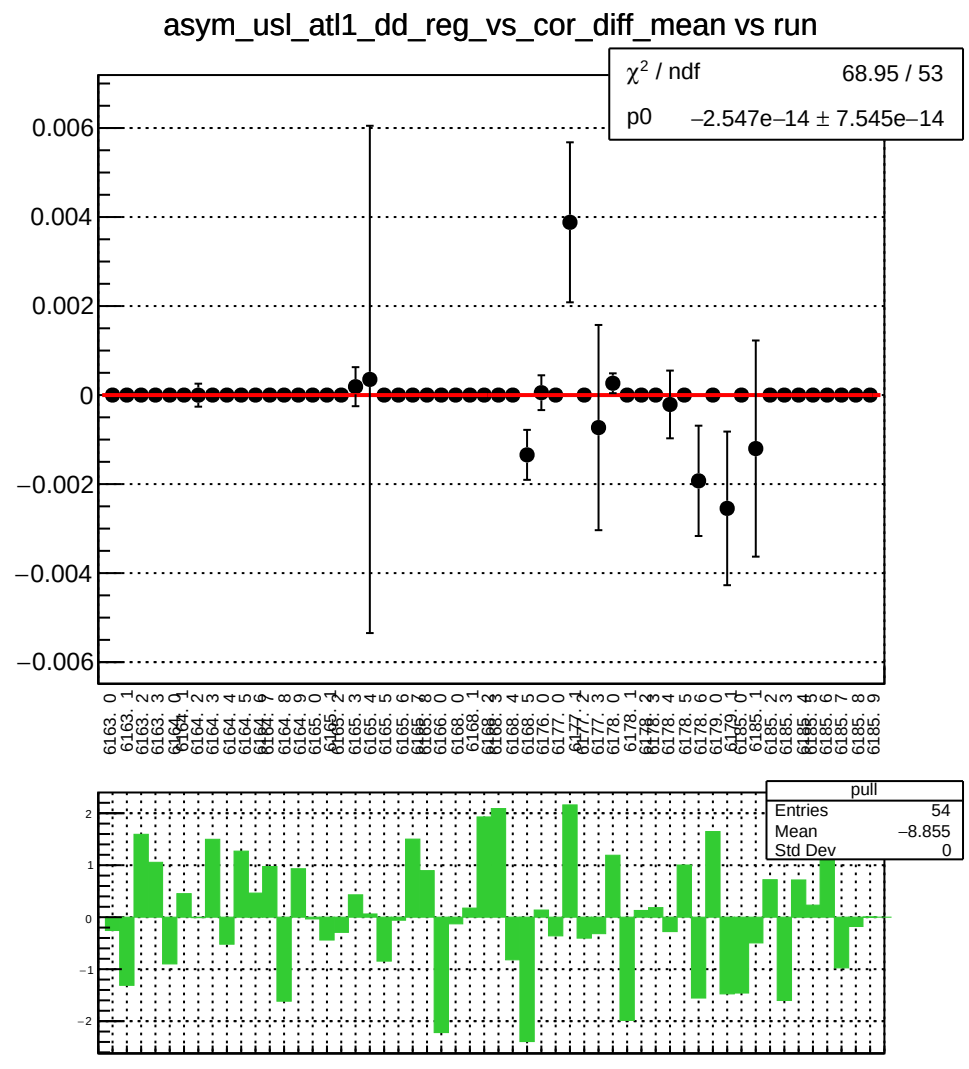

asym_usl_atl1_dd_eigen_dit_correction_mean vs run
χ² / ndf 62.28 / 53
p0 1951 ± 897.6
pull
Entries 54
Mean 1.538
Std Dev 0
pull1D
Entries 54
Mean 0.04087
Std Dev 1.073

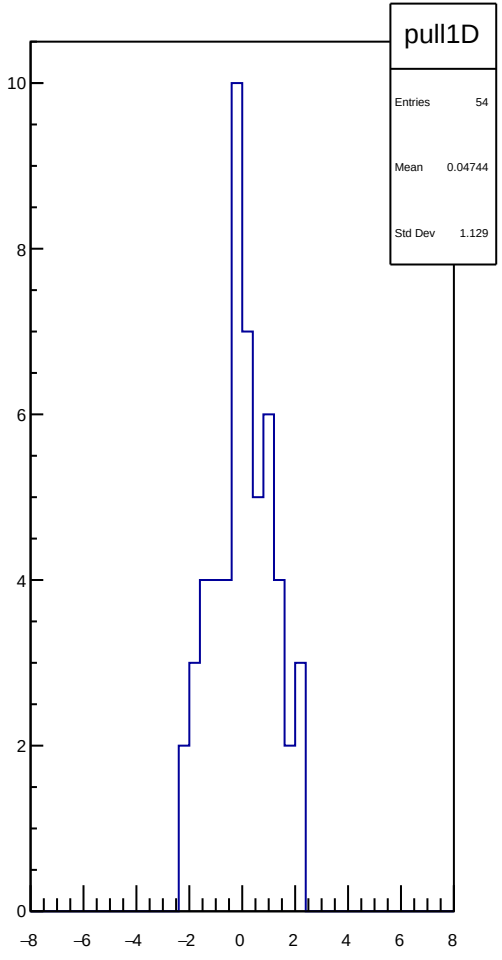

asym_usl_atl1_dd_eigen_dit_correction_rms vs run
χ² / ndf 8.749e+04 / 53
p0 617.2 ± 0.6347
1100
1000
900
800
700
600
500
400
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

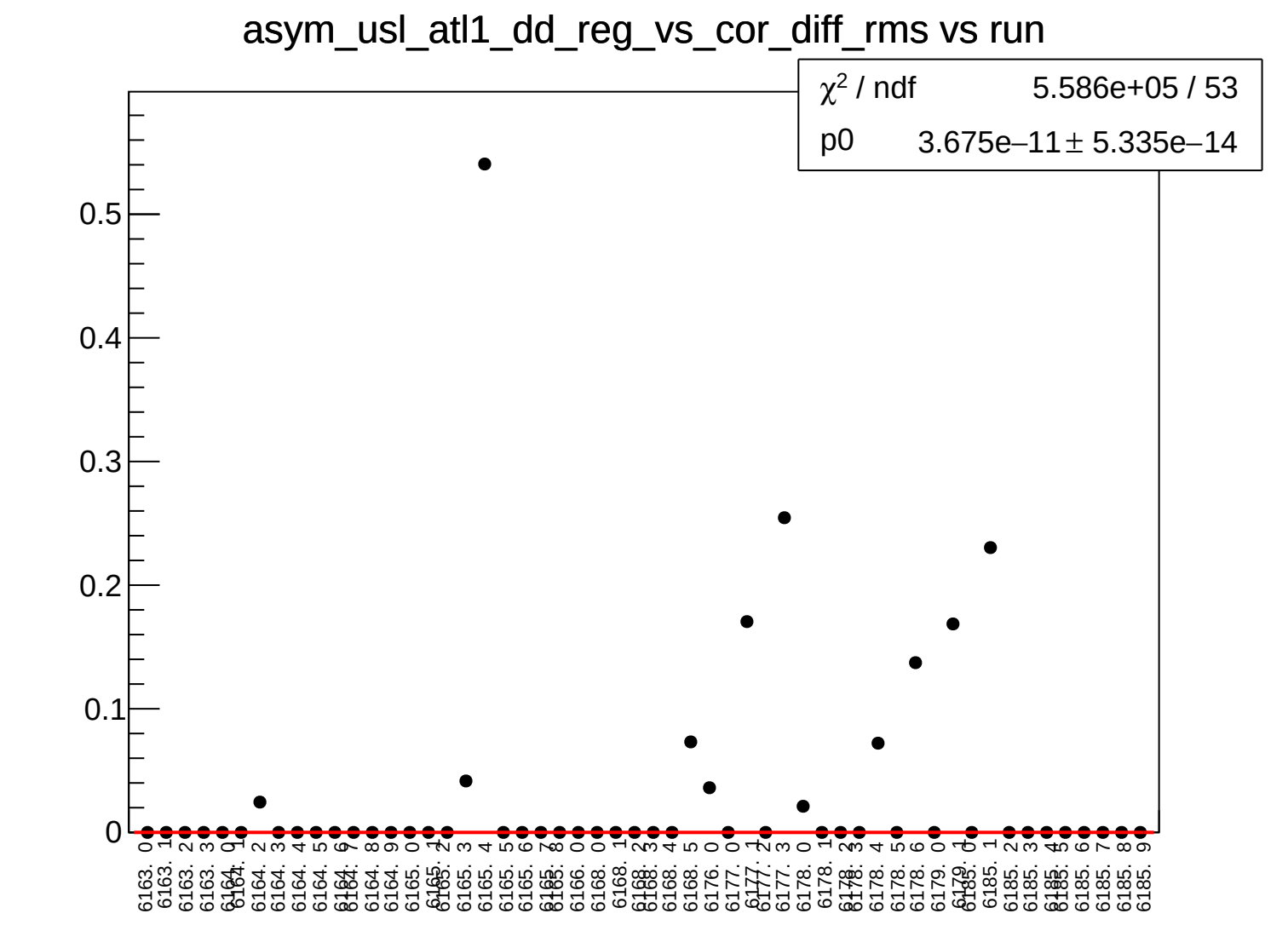

asym_usl_atl1_dd_mean vs run
χ² / ndf 63.81 / 53
p0 −1185 ± 1897
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean −67.31
Std Dev 0
2
1
0
−1
−2

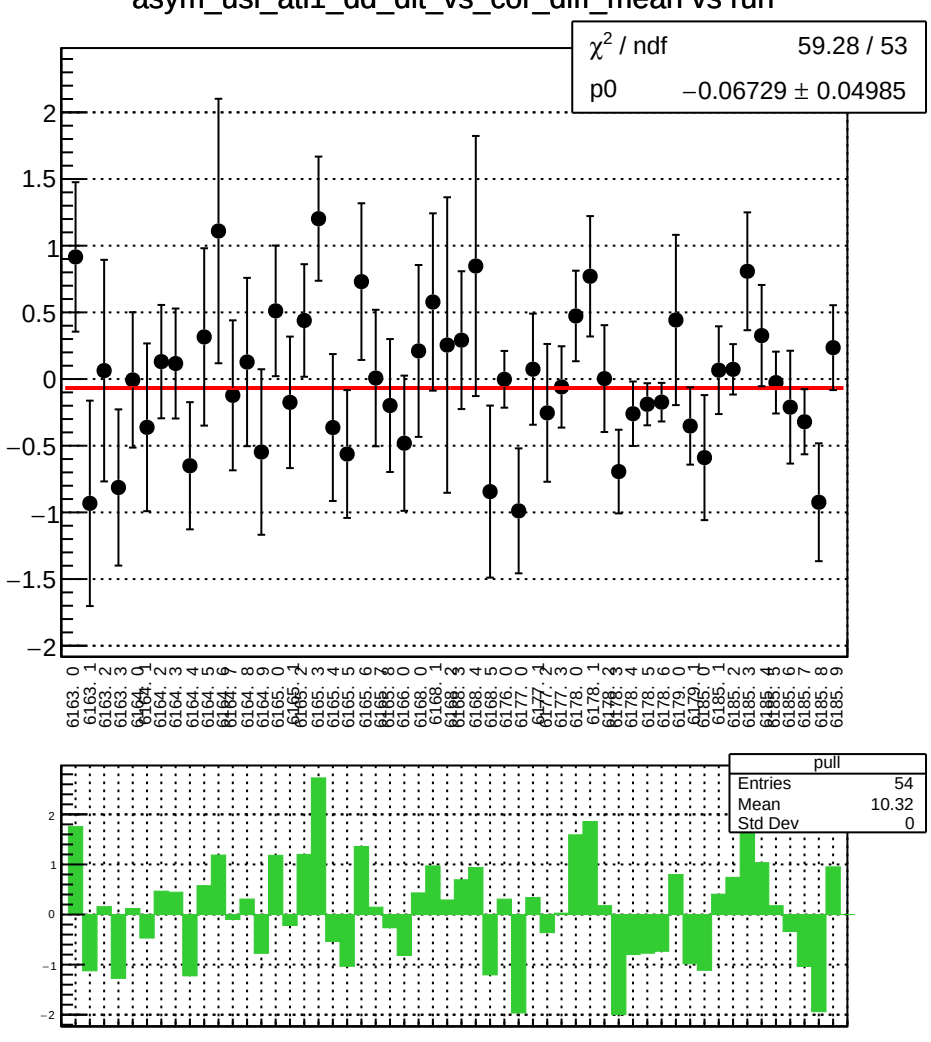

pull1D
Entries 54
Mean −0.0322
Std Dev 1.087
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

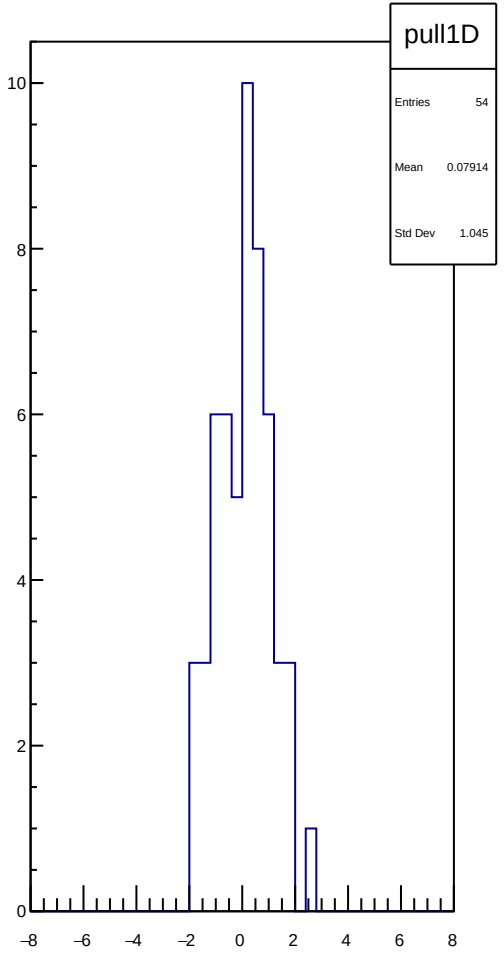

asym_usl_atl1_dd_rms vs run
χ² / ndf 4047 / 53
p0 1361 ± 1.341
1600
1550
1500
1450
1400
1350
1300
1250
1200
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

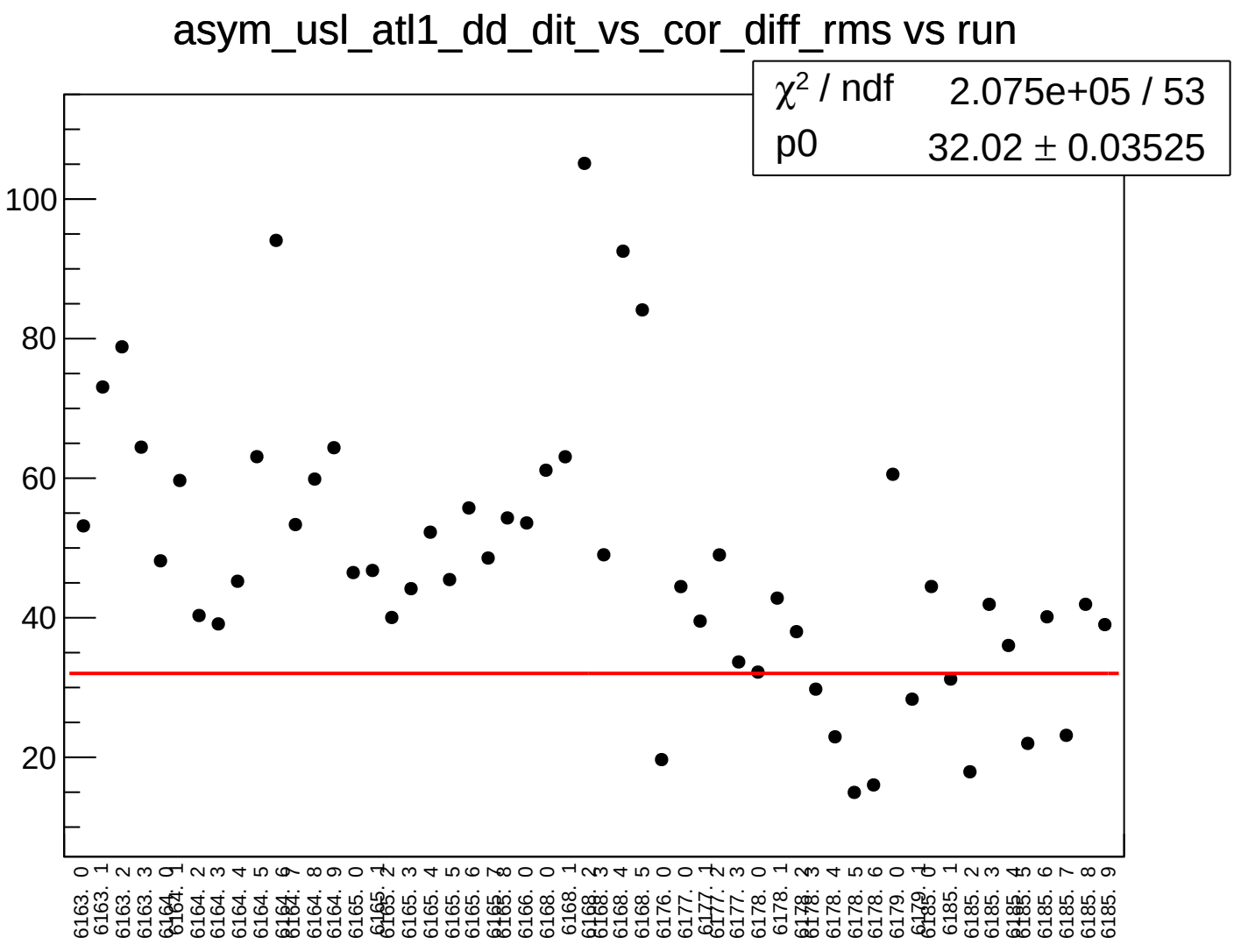

asym_usl_atl1_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 68.95 / 53
p0 −2.547e−14 ± 7.545e−14
pull
Entries 54
Mean −8.855
Std Dev 0

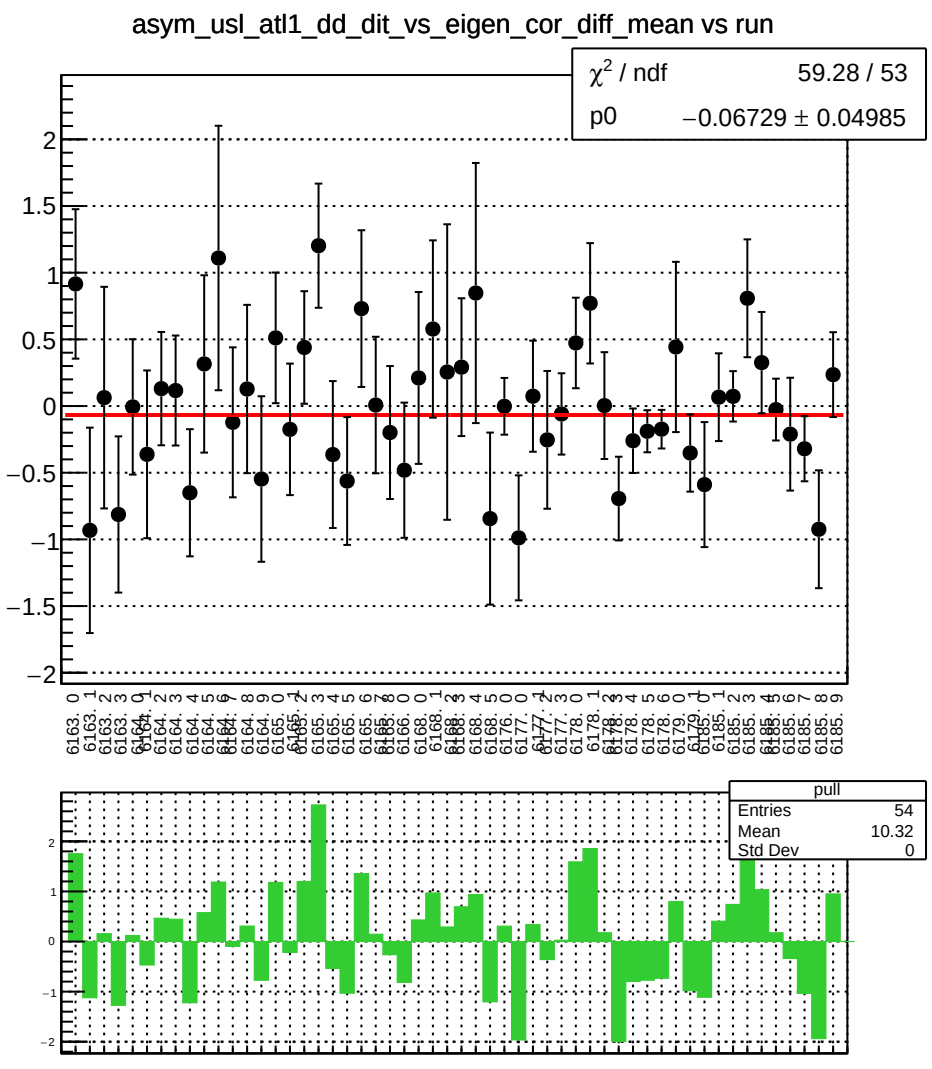

pull1D
Entries 54
Mean 0.04744
Std Dev 1.129

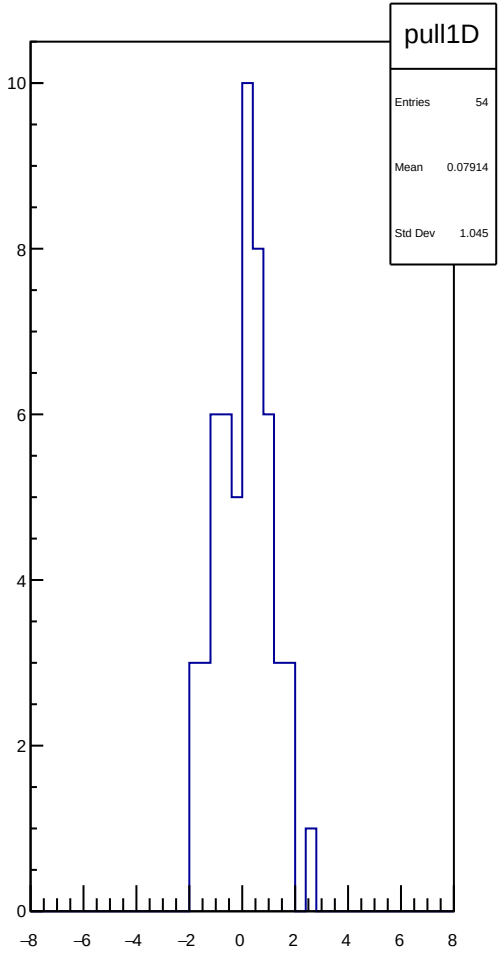

asym_usl_atl1_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.586e+05 / 53
p0 3.675e−11 ± 5.335e−14
0.5
0.4
0.3
0.2
0.1
0
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6165. 7
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

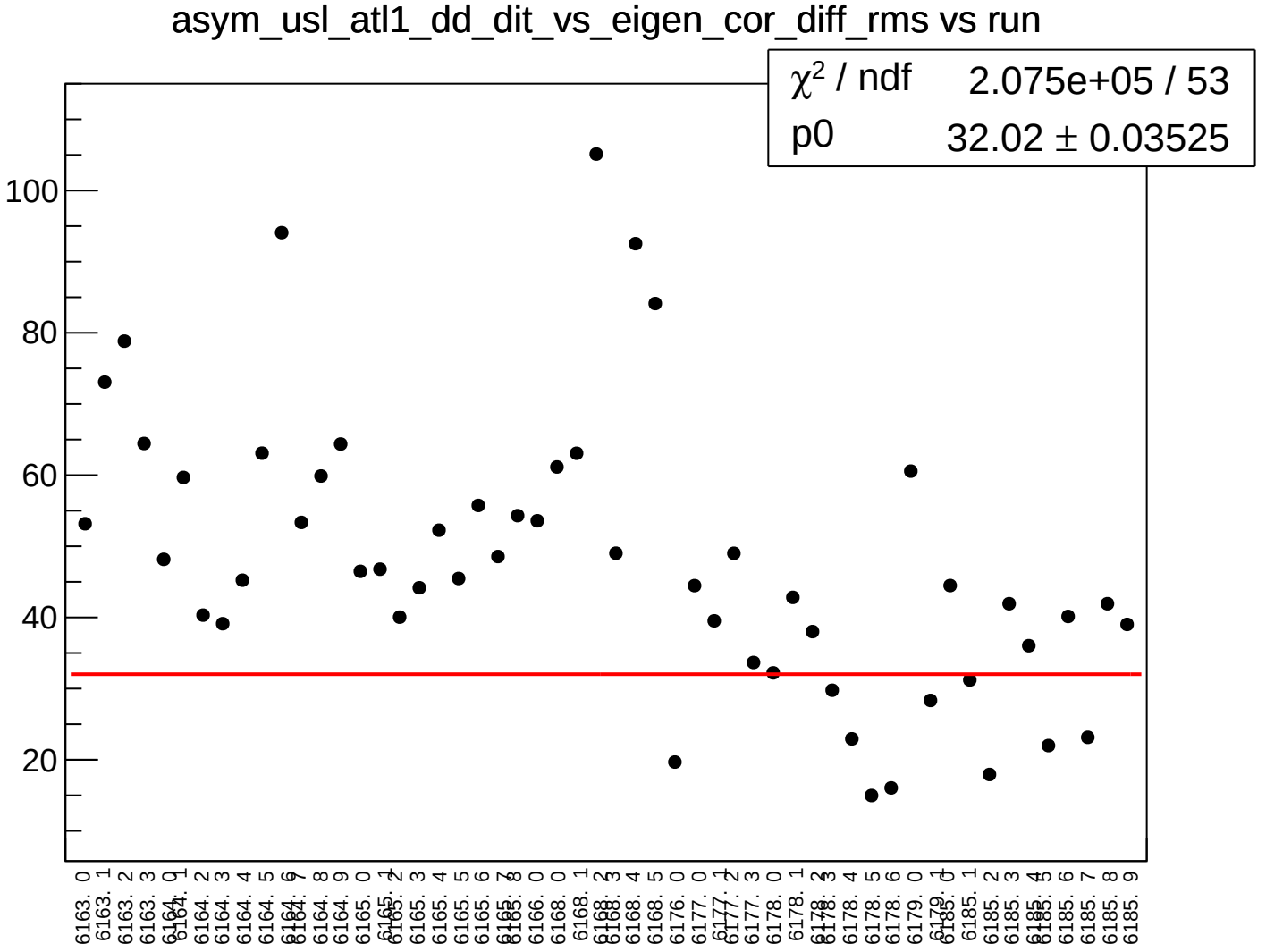

asym_usl_atl1_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 59.28 / 53
p0 −0.06729 ± 0.04985
pull
Entries 54
Mean 10.32
Std Dev 0

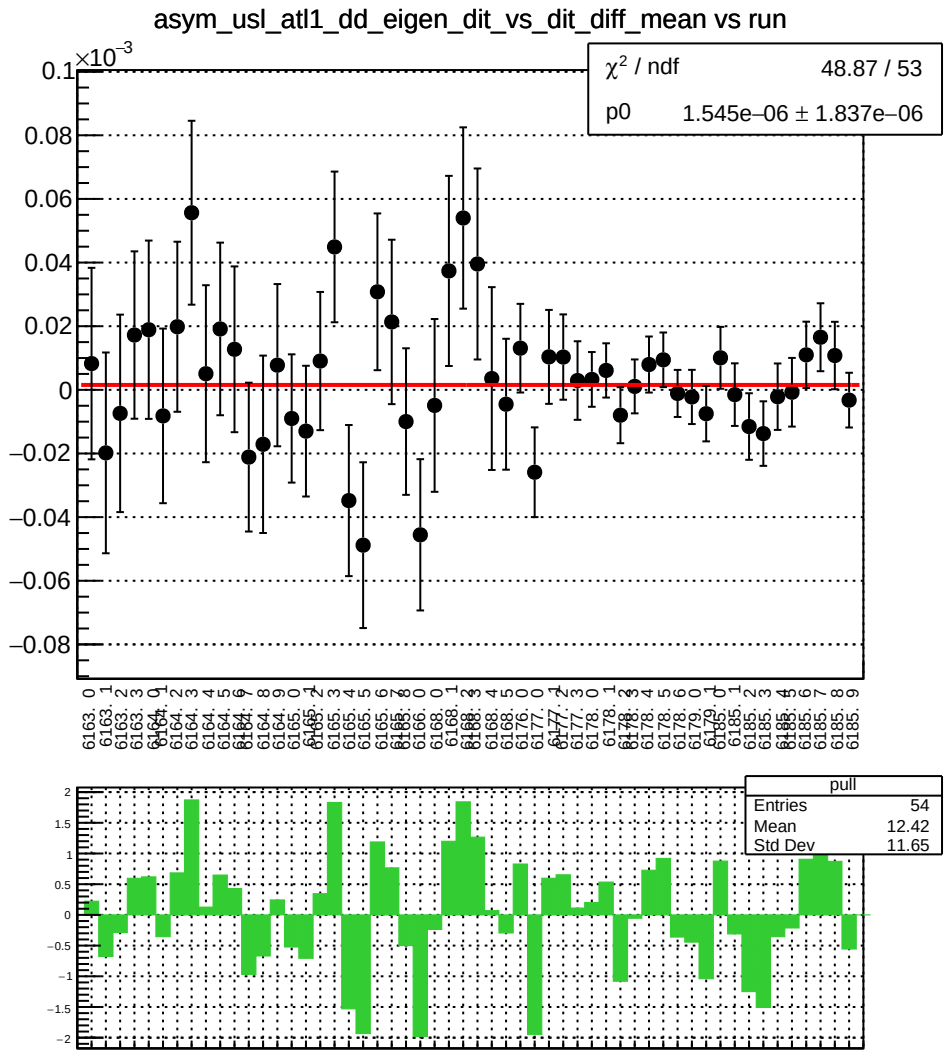

pull1D
Entries 54
Mean 0.07914
Std Dev 1.045

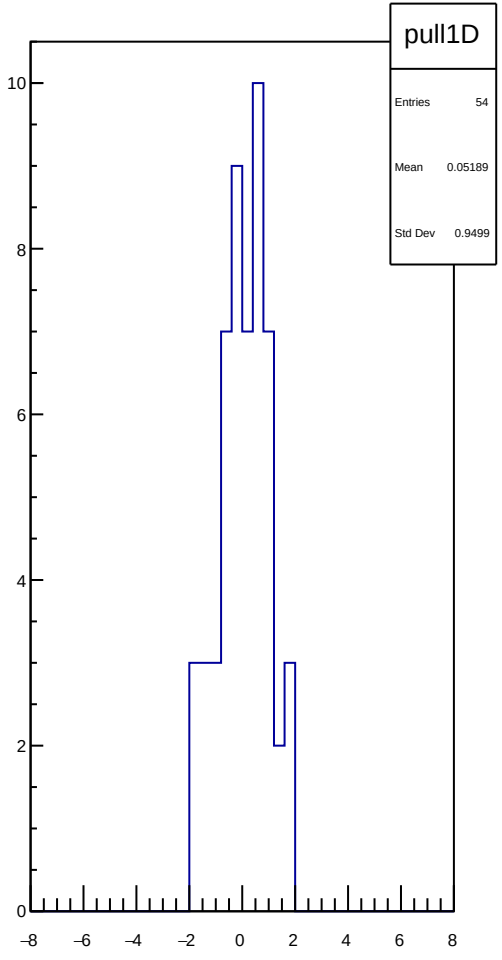

asym_usl_atl1_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.075e+05 / 53
p0 32.02 ± 0.03525
100
80
60
40
20
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

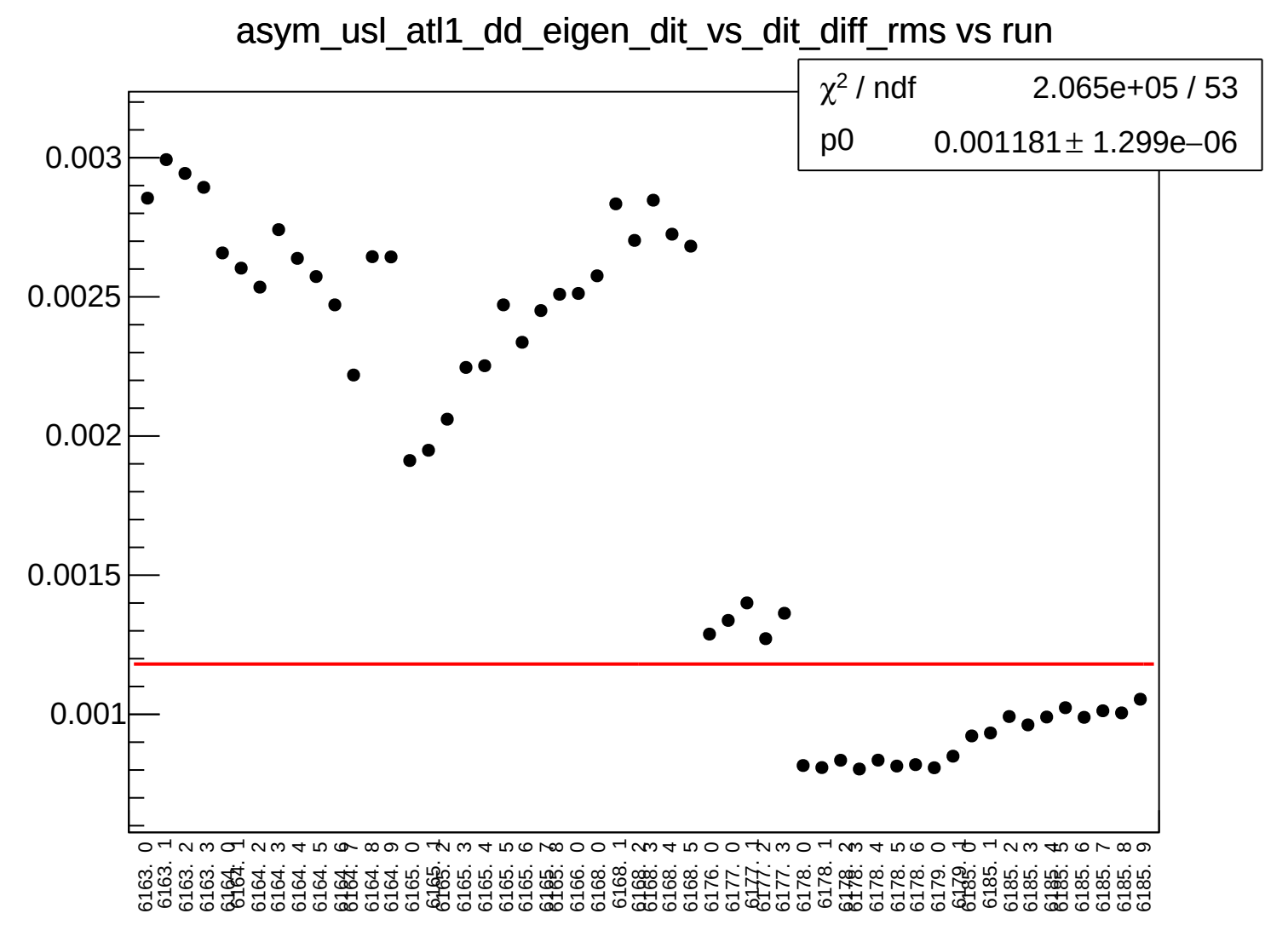

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 59.28 / 53
p0 −0.06729 ± 0.04985
pull
Entries 54
Mean 10.32
Std Dev 0

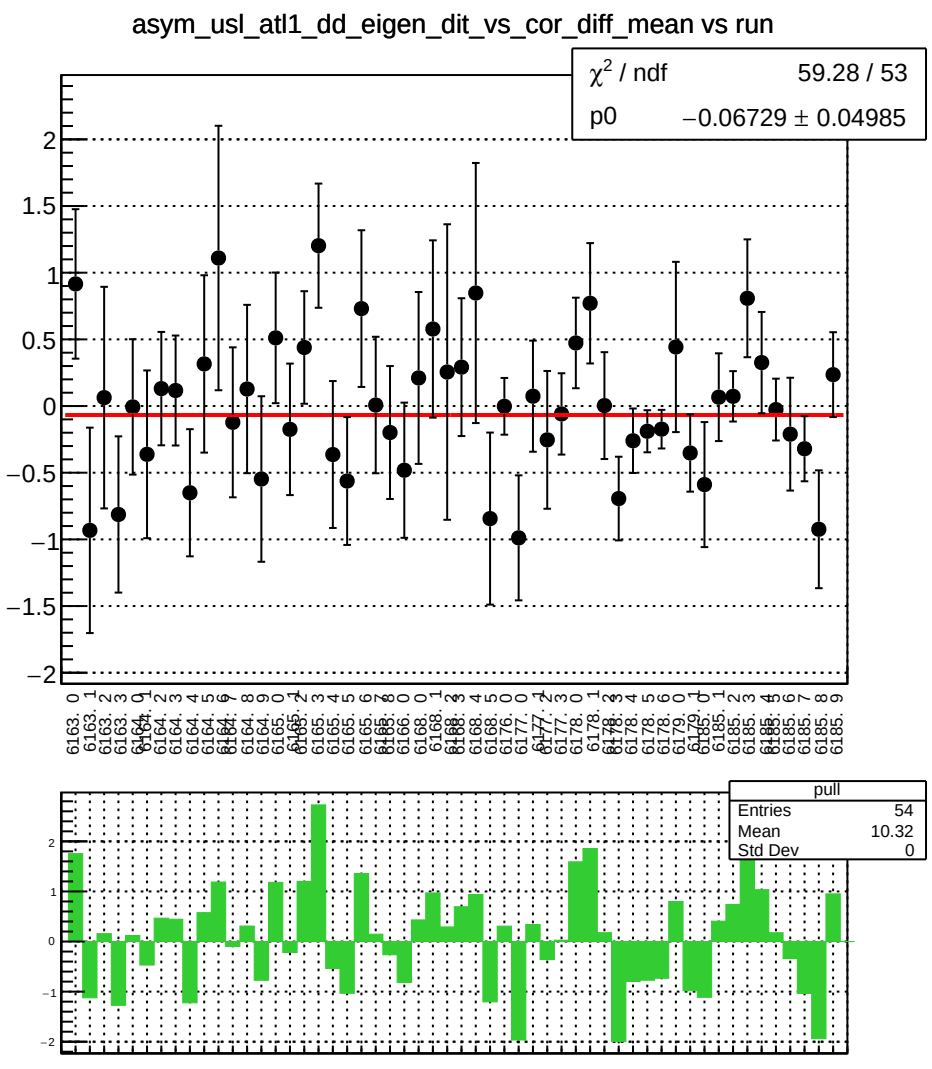

pull1D
Entries 54
Mean 0.07914
Std Dev 1.045

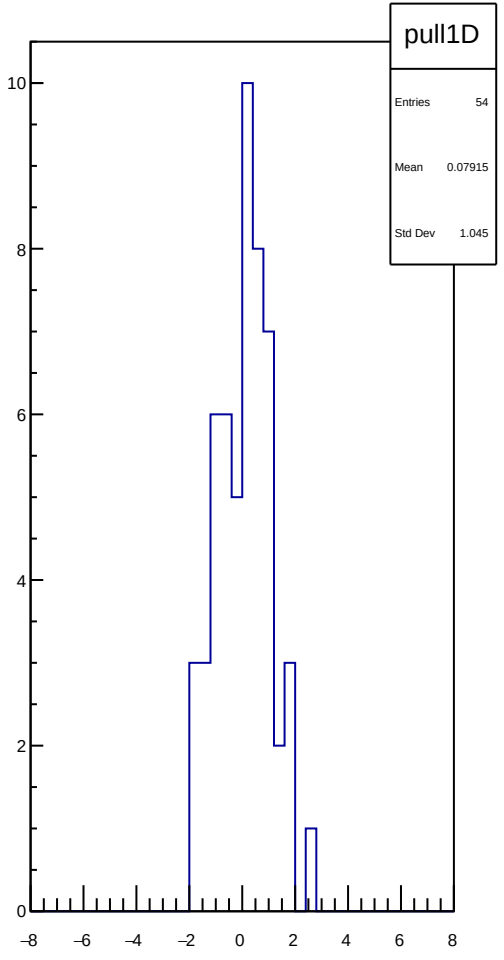

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.075e+05 / 53
p0 32.02 ± 0.03525
100
80
60
40
20
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

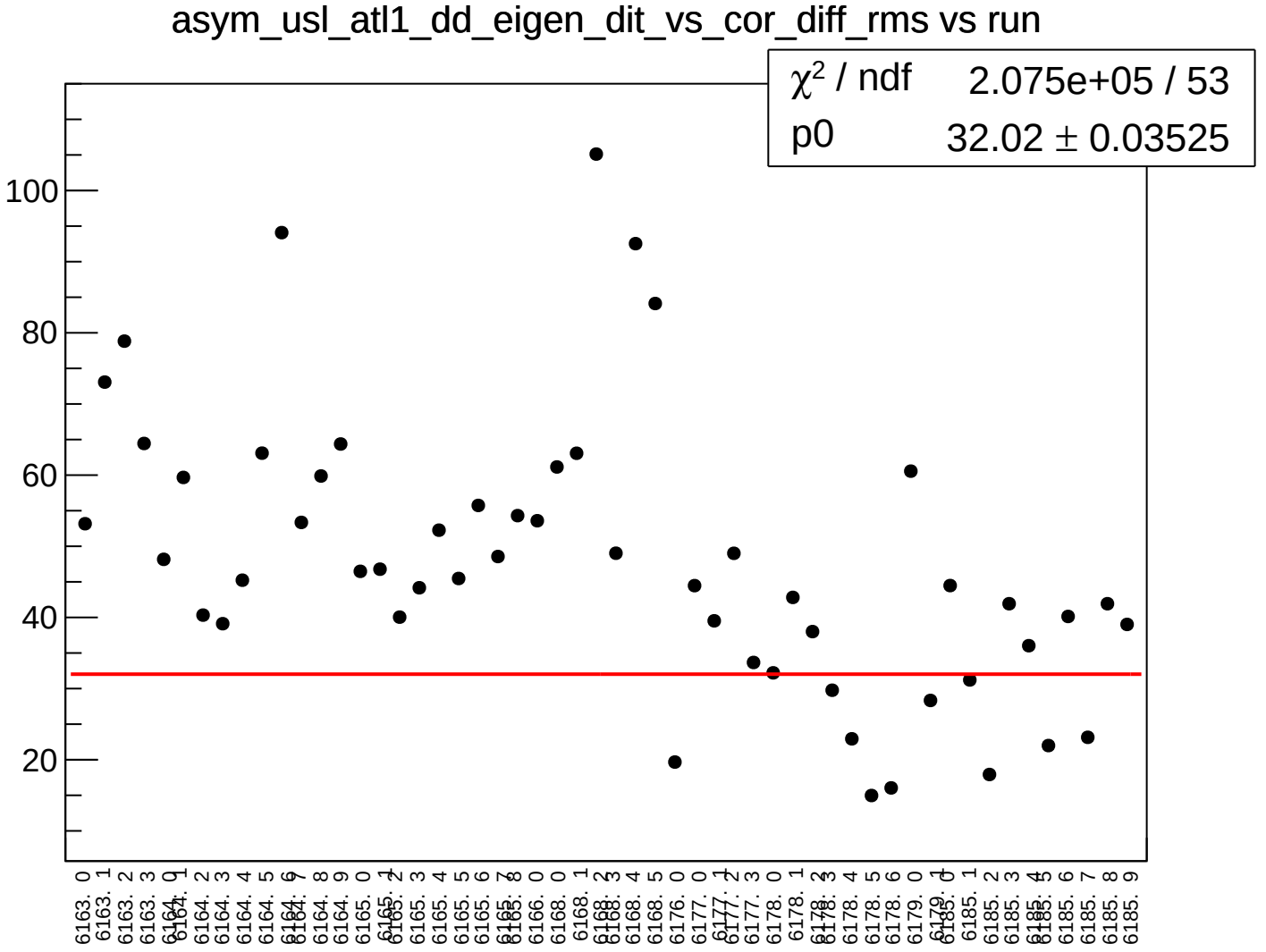

asym_usl_atl1_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 48.87 / 53
p0 1.545e−06 ± 1.837e−06
pull
Entries 54
Mean 12.42
Std Dev 11.65

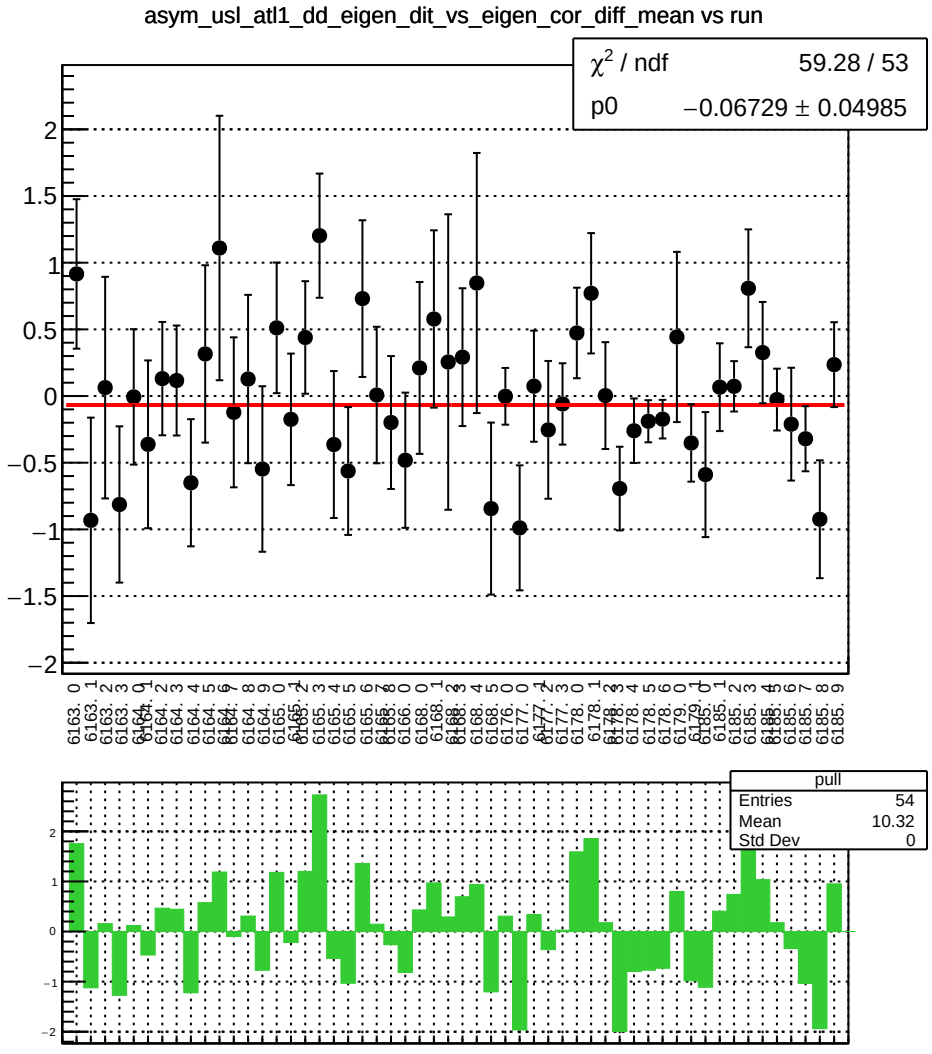

pull1D
Entries 54
Mean 0.05189
Std Dev 0.9499

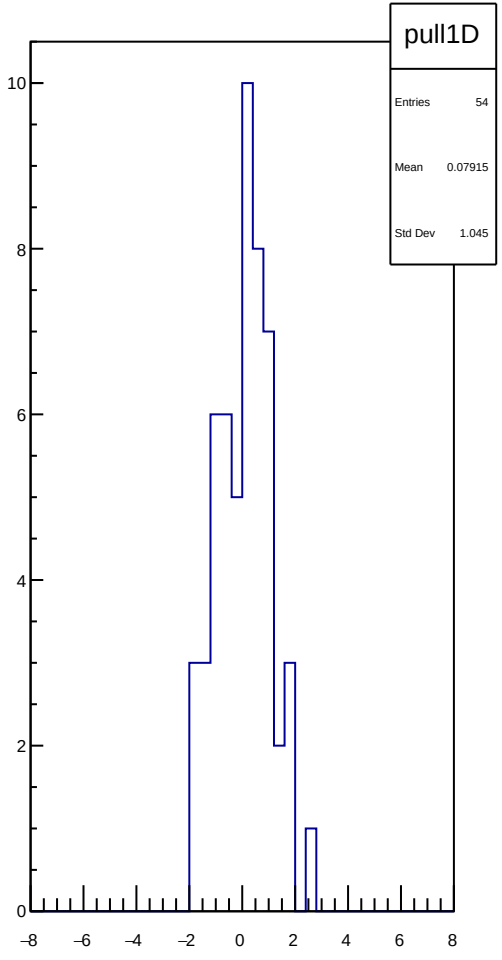

asym_usl_atl1_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.065e+05 / 53
p0 0.001181 ± 1.299e−06
0.003
0.0025
0.002
0.0015
0.001
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

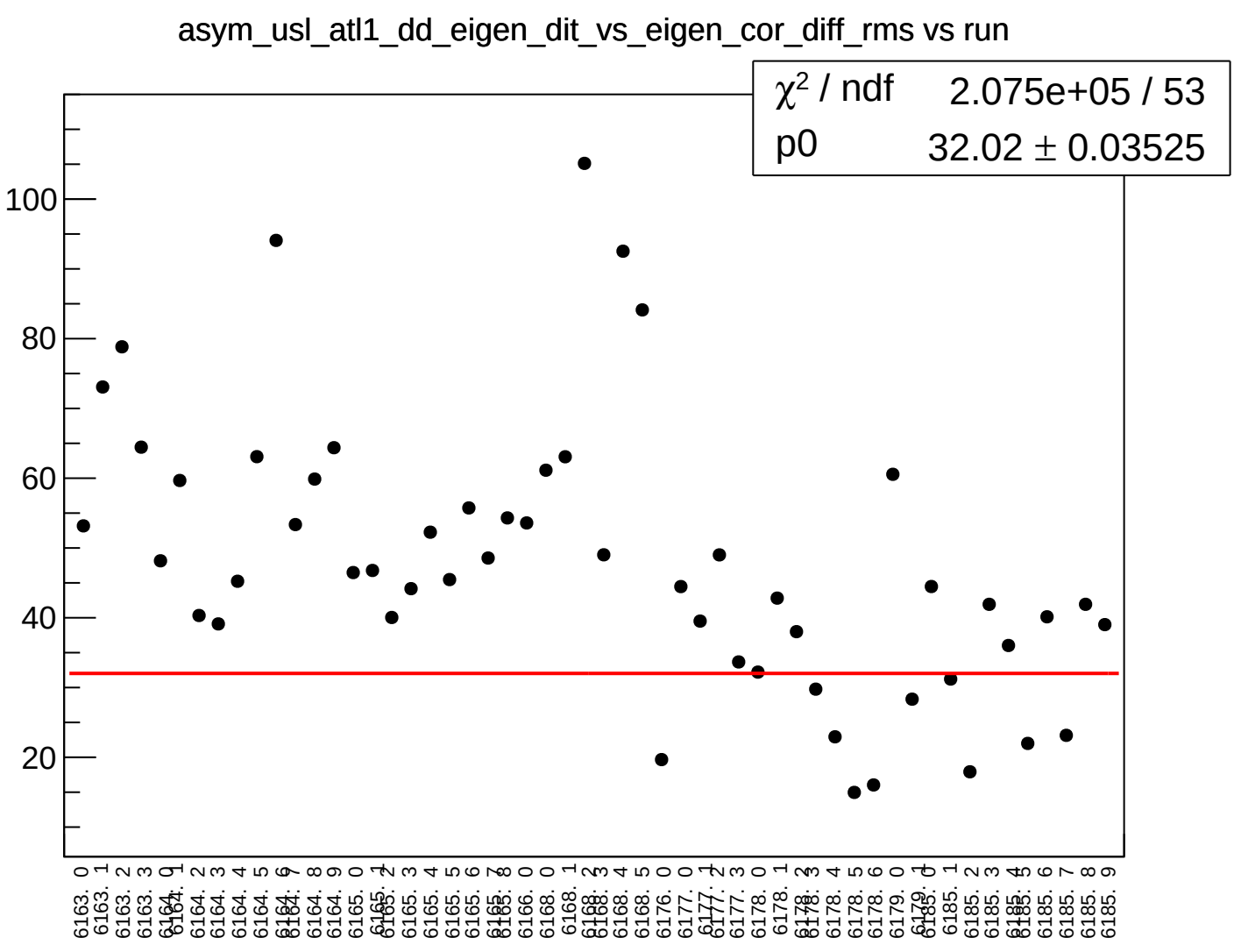

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 59.28 / 53
p0 −0.06729 ± 0.04985
pull
Entries 54
Mean 10.32
Std Dev 0

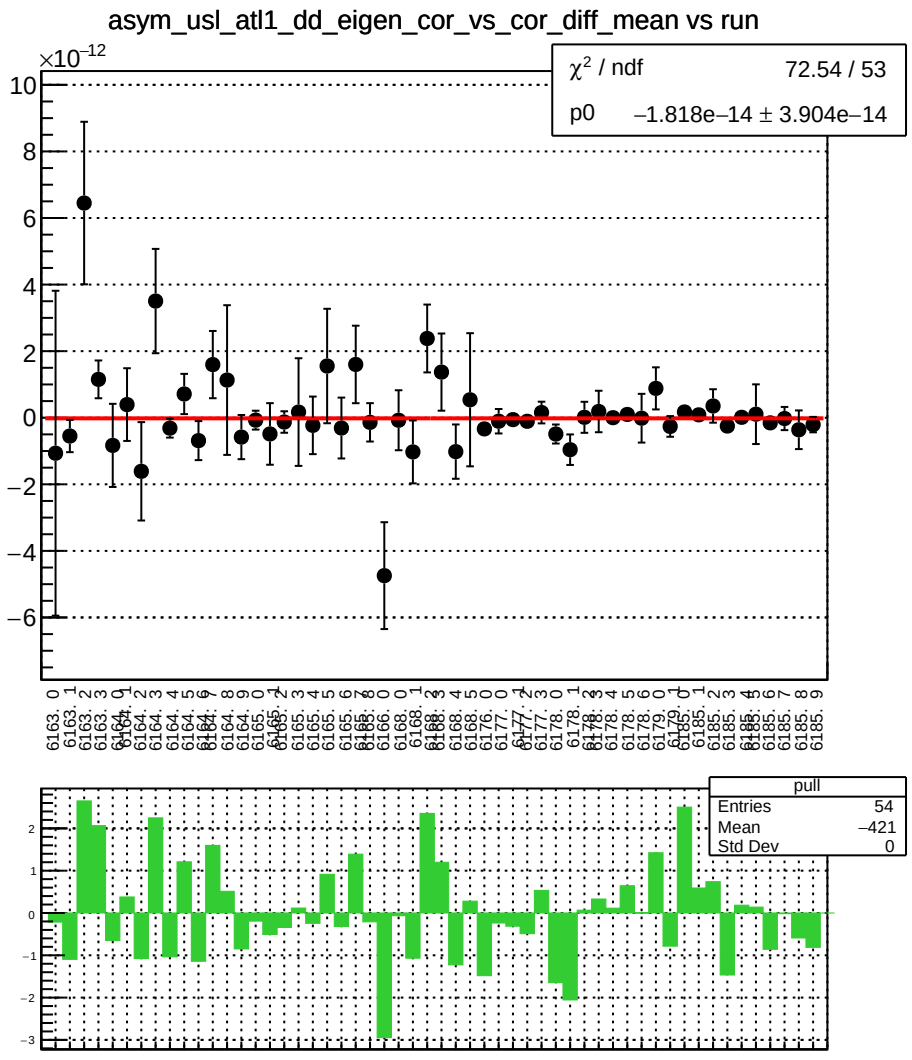

pull1D
Entries 54
Mean 0.07915
Std Dev 1.045

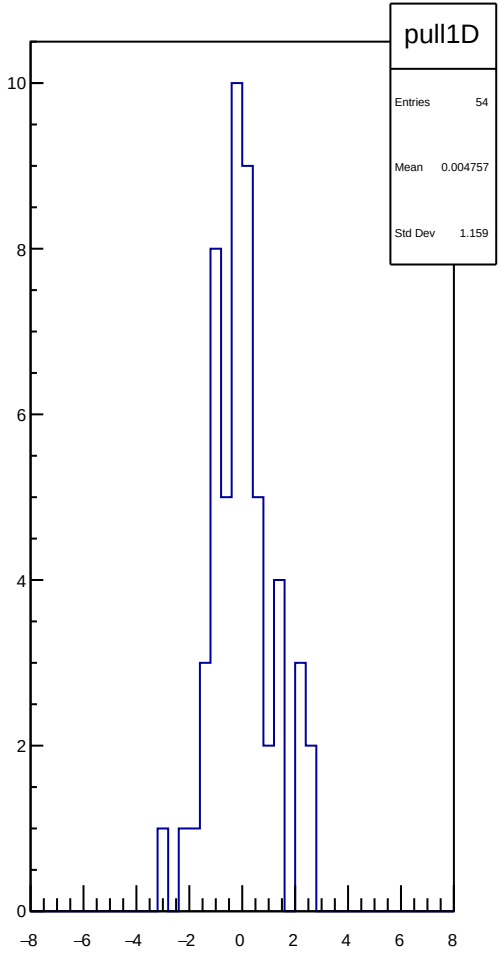

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.075e+05 / 53
p0 32.02 ± 0.03525
100
80
60
40
20
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

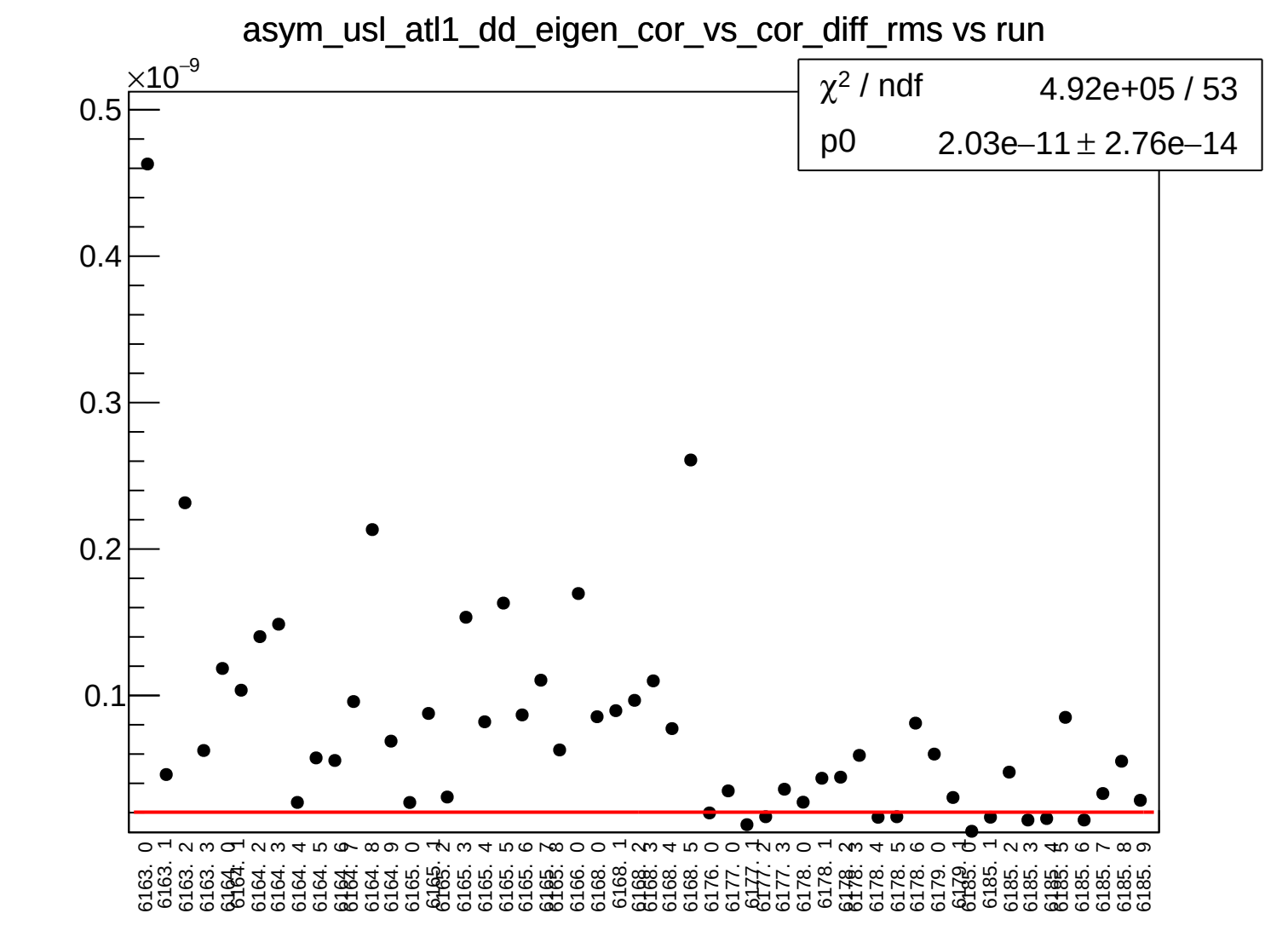

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 59.28 / 53
p0 −0.06729 ± 0.04985
pull
Entries 54
Mean 10.32
Std Dev 0

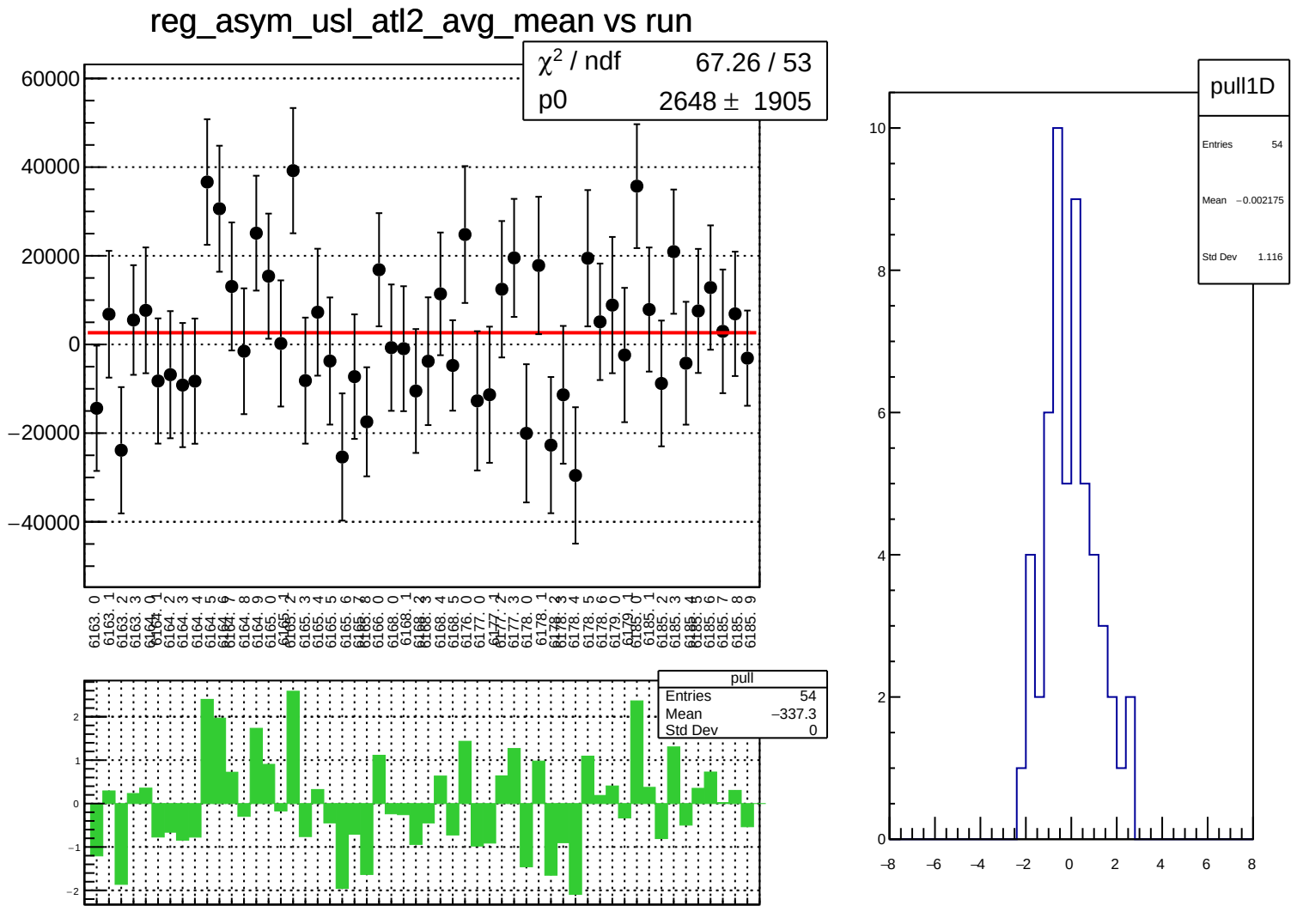

pull1D
Entries 54
Mean 0.07915
Std Dev 1.045

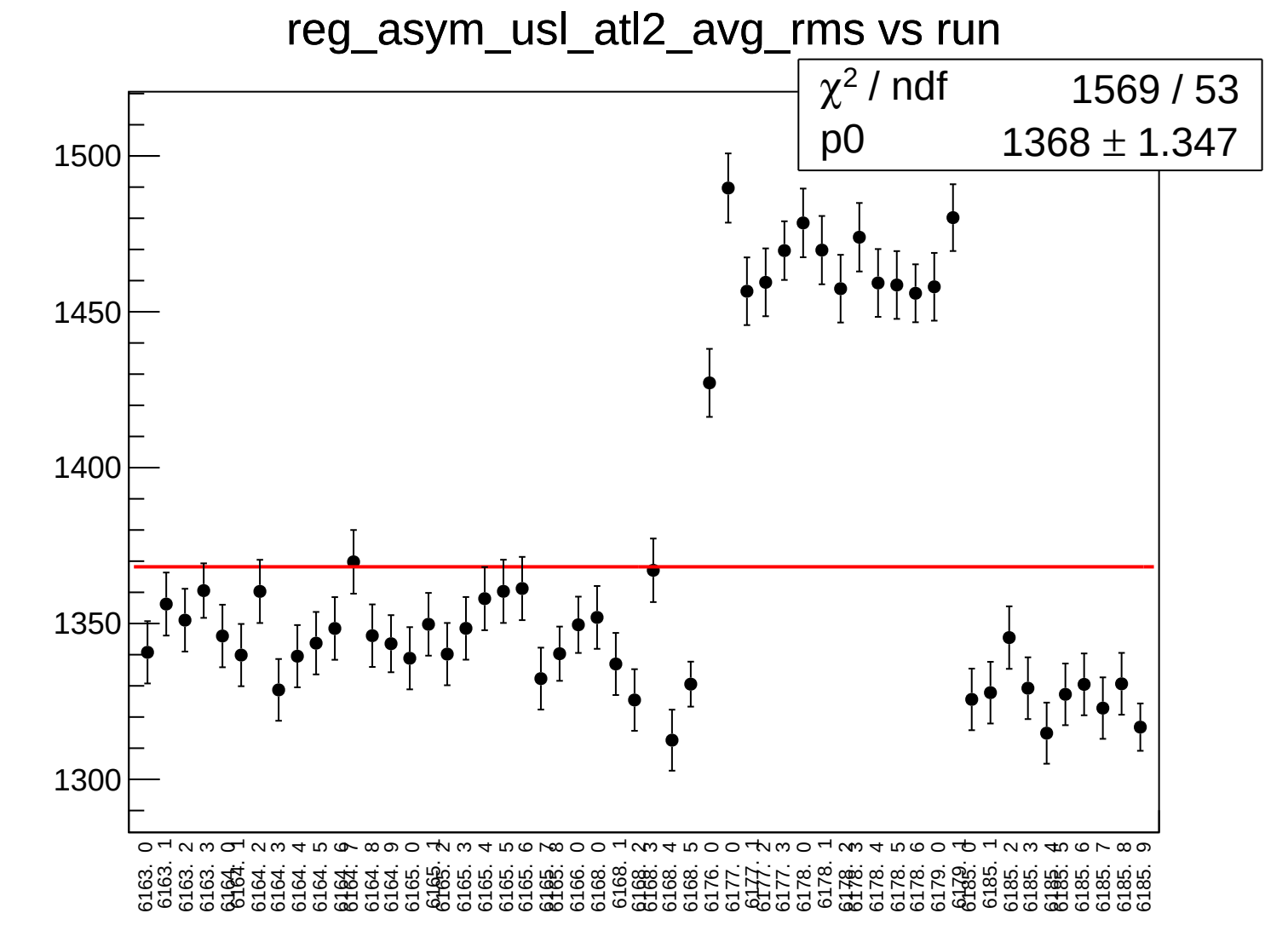

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 2.075e+05 / 53
p0 32.02 ± 0.03525
100
80
60
40
20
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

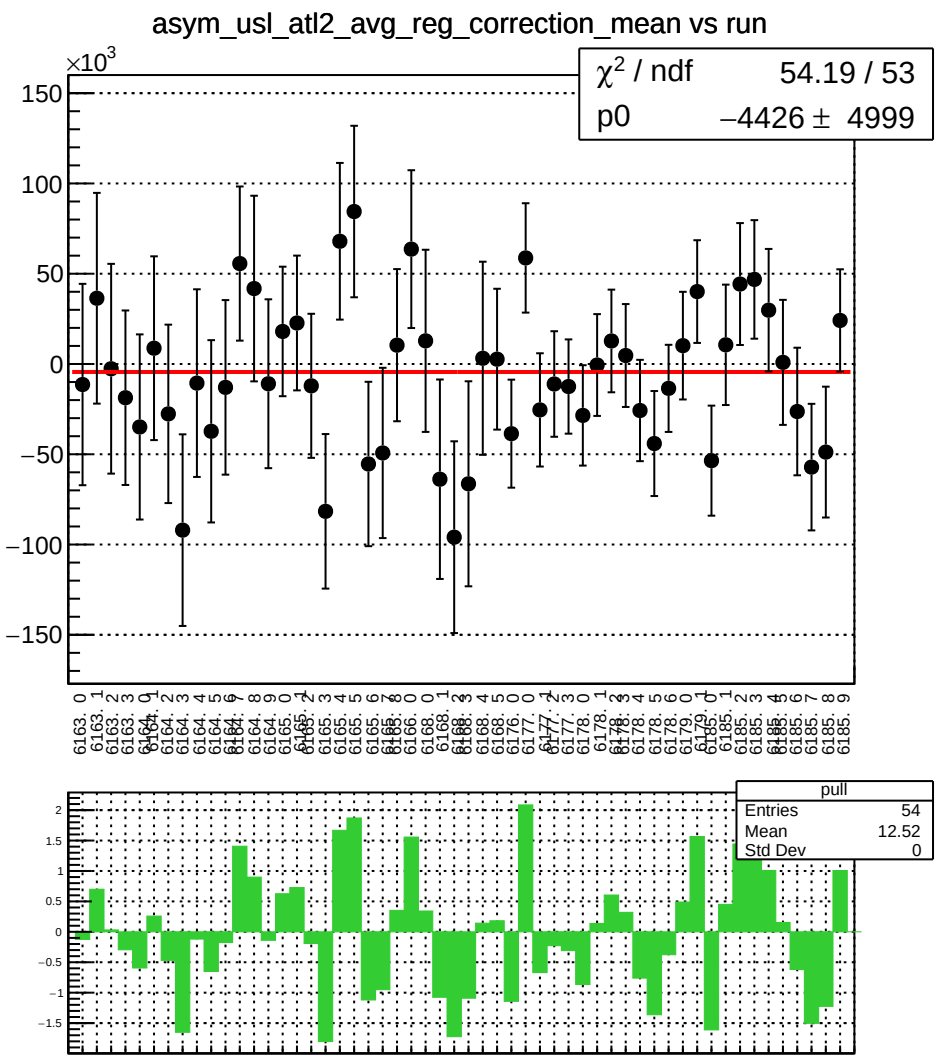

asym_usl_atl1_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 72.54 / 53
p0 −1.818e−14 ± 3.904e−14
pull
Entries 54
Mean −421
Std Dev 0

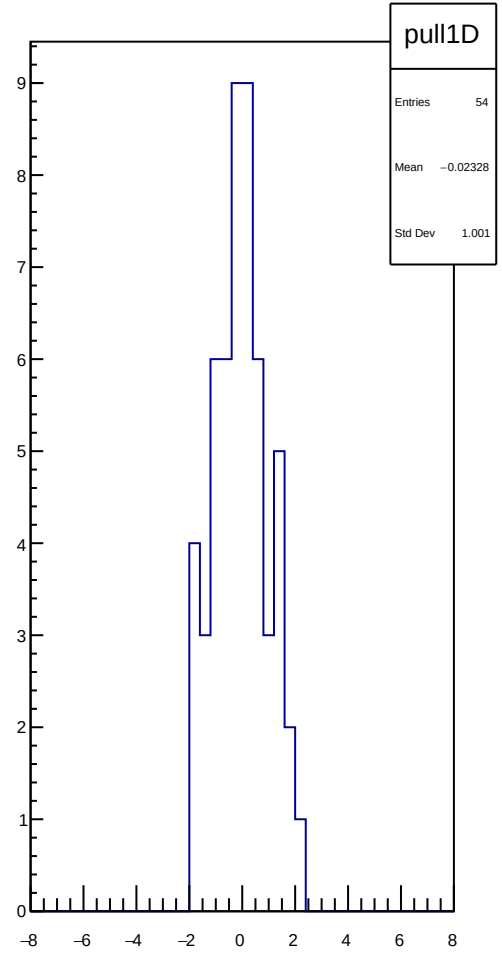

pull1D
Entries 54
Mean 0.004757
Std Dev 1.159

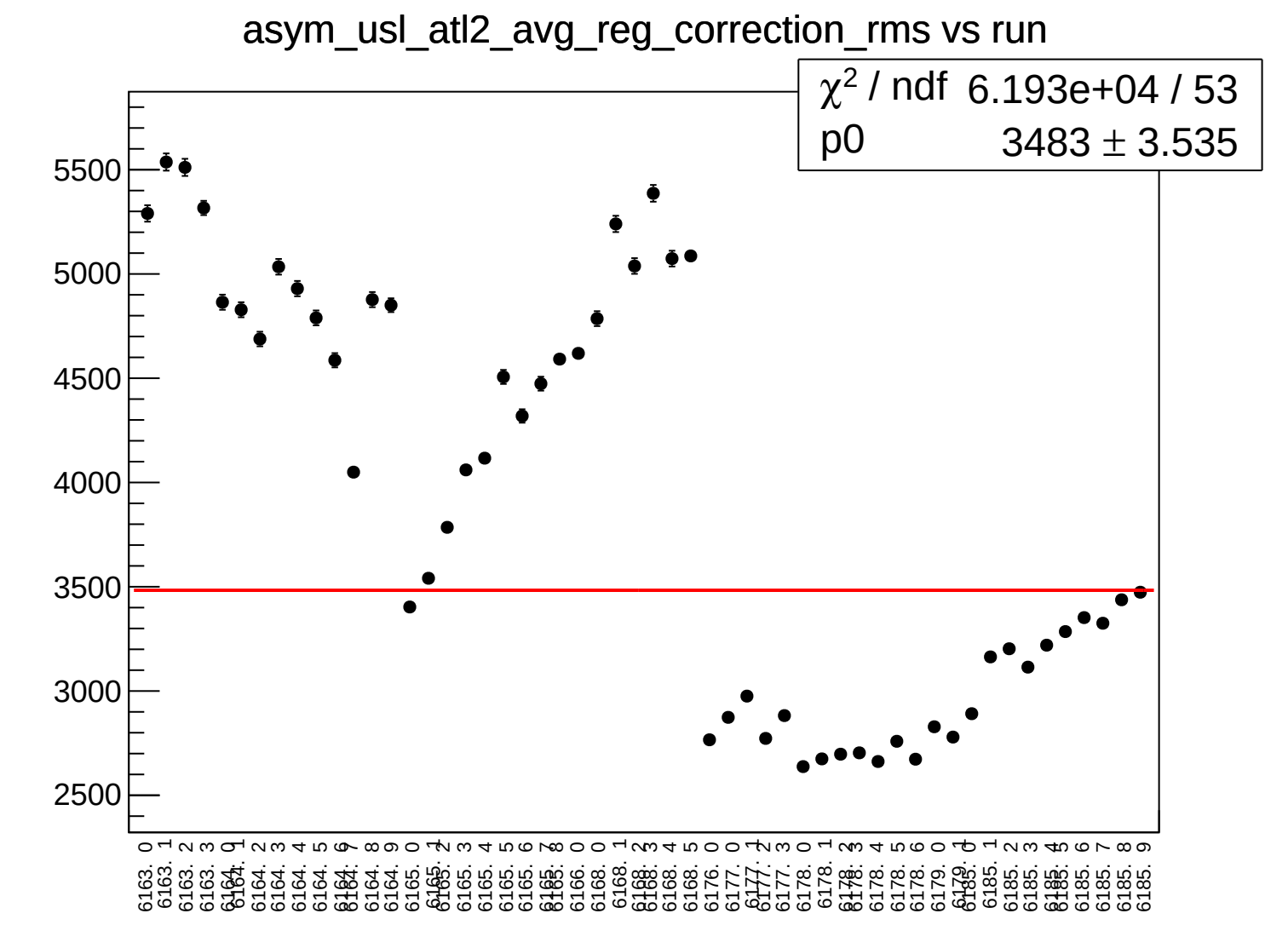

asym_usl_atl1_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.92e+05 / 53
p0 2.03e−11 ± 2.76e−14
0.5
0.4
0.3
0.2
0.1
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

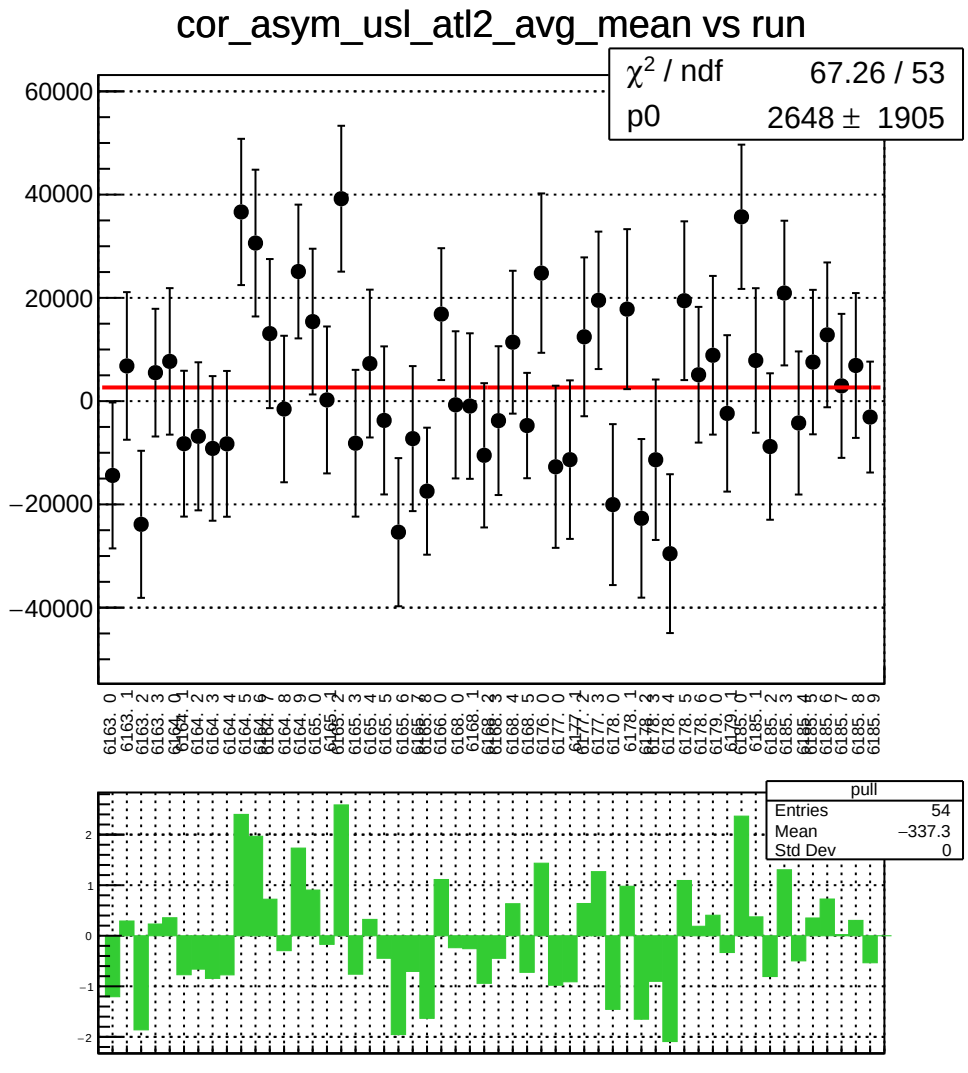

reg_asym_usl_atl2_avg_mean vs run
χ² / ndf 67.26 / 53
p0 2648 ± 1905
60000
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −337.3
Std Dev 0
pull1D
Entries 54
Mean −0.002175
Std Dev 1.116
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

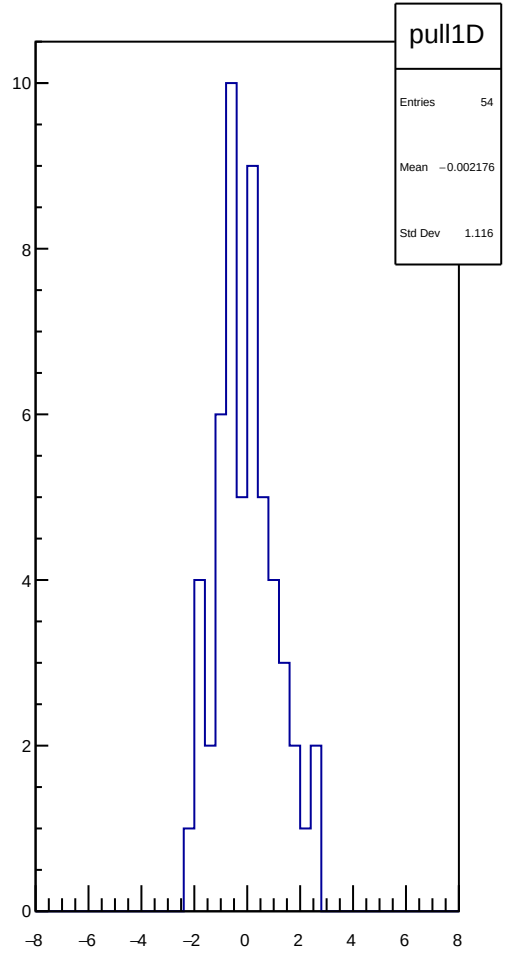

reg_asym_usl_atl2_avg_rms vs run
χ² / ndf 1569 / 53
p0 1368 ± 1.347
1500
1450
1400
1350
1300
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

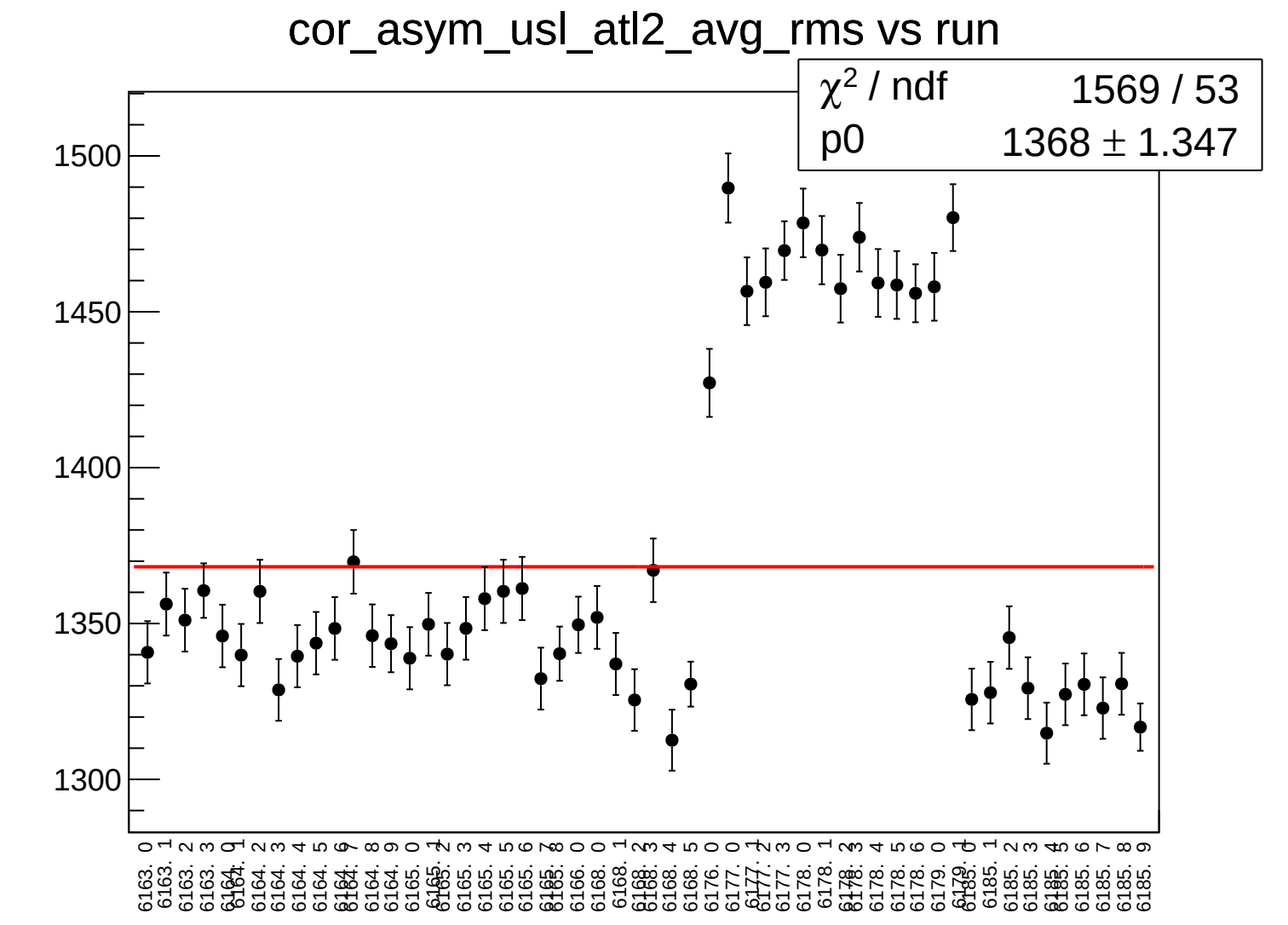

asym_usl_atl2_avg_reg_correction_mean vs run
×10^3
χ² / ndf 54.19 / 53
p0 −4426 ± 4999
150
100
50
0
−50
−100
−150
pull
Entries 54
Mean 12.52
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

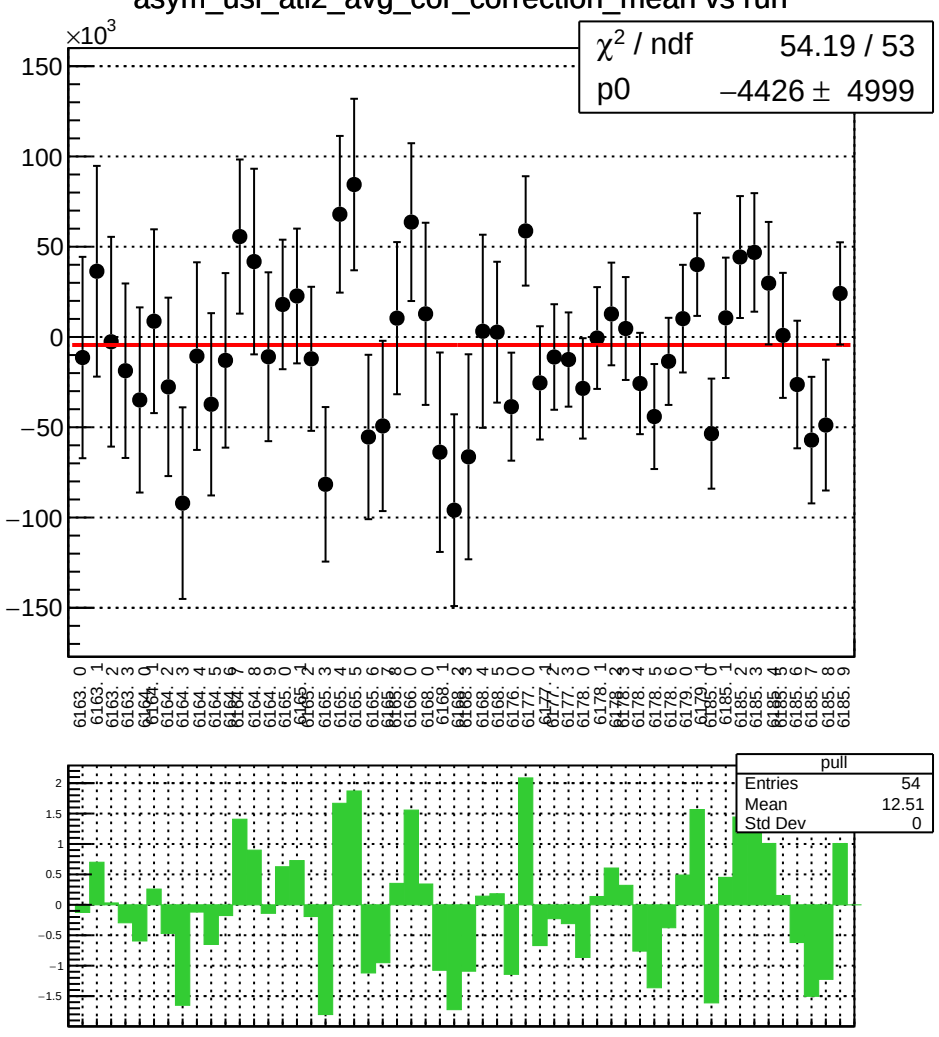

pull1D
Entries 54
Mean −0.02328
Std Dev 1.001
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

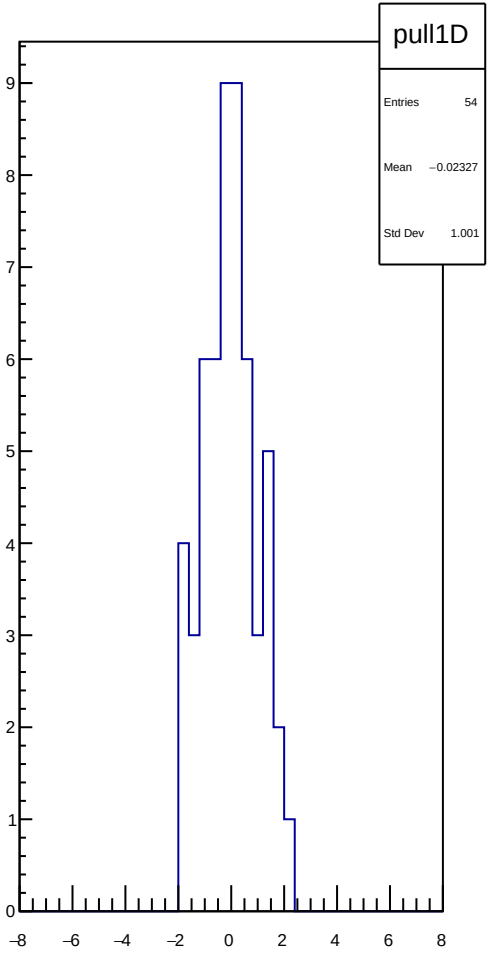

asym_usl_atl2_avg_reg_correction_rms vs run
χ² / ndf 6.193e+04 / 53
p0 3483 ± 3.535
5500
5000
4500
4000
3500
3000
2500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

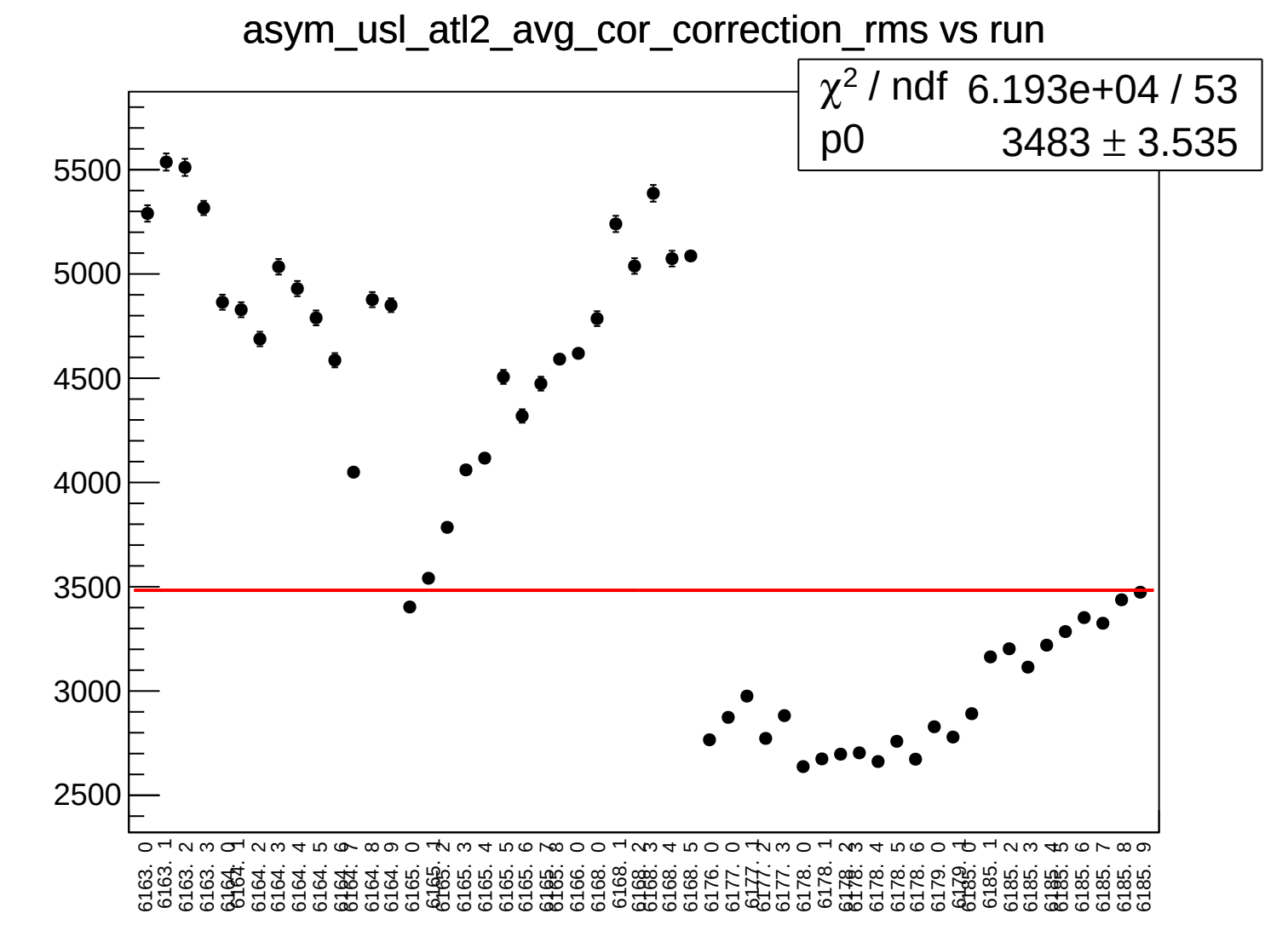

cor_asym_usl_atl2_avg_mean vs run
χ² / ndf 67.26 / 53
p0 2648 ± 1905
60000
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −337.3
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 54
Mean −0.002176
Std Dev 1.116
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 1569 / 53
p0 1368 ± 1.347
1500
1450
1400
1350
1300
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


asym_usl_atl2_avg_cor_correction_mean vs run
χ² / ndf 54.19 / 53
p0 −4426 ± 4999
pull
Entries 54
Mean 12.51
Std Dev 0


pull1D
Entries 54
Mean −0.02327
Std Dev 1.001


asym_usl_atl2_avg_cor_correction_rms vs run
χ² / ndf 6.193e+04 / 53
p0 3483 ± 3.535
5500
5000
4500
4000
3500
3000
2500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
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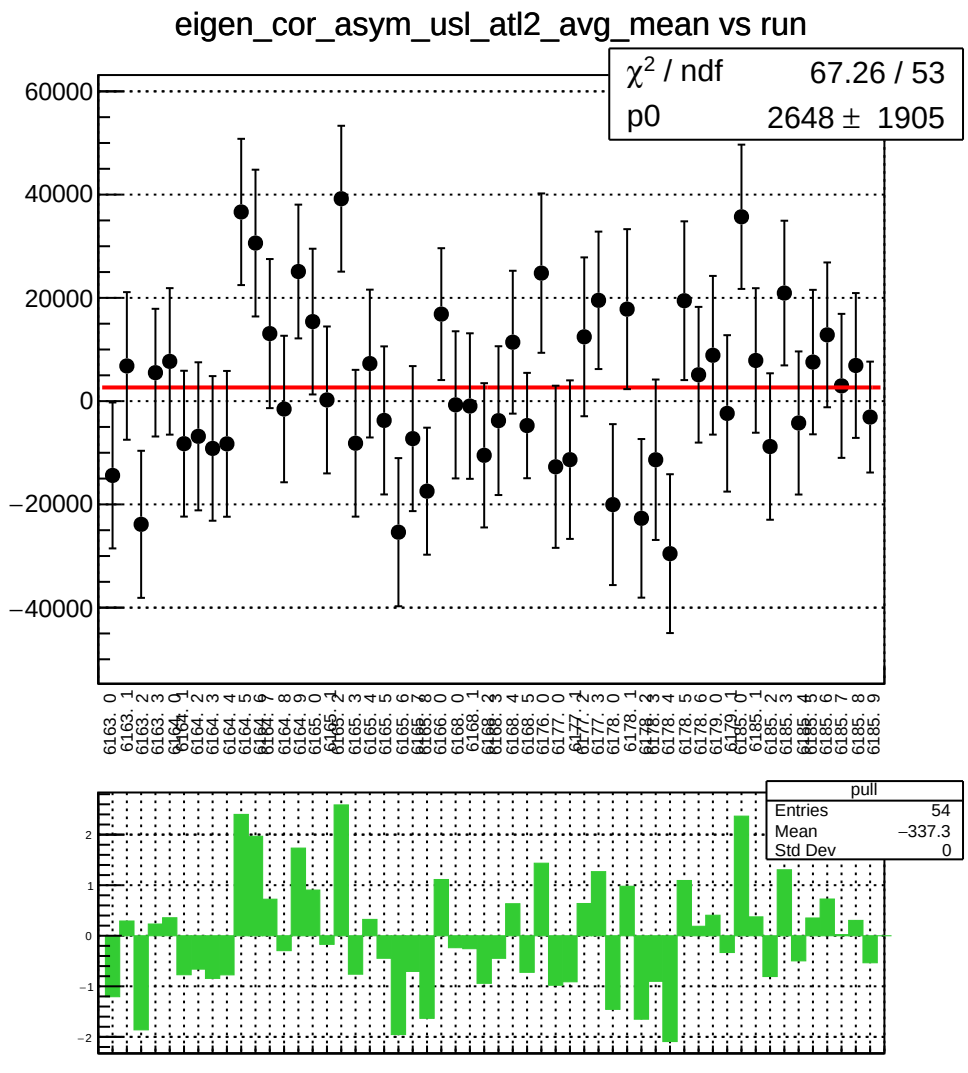
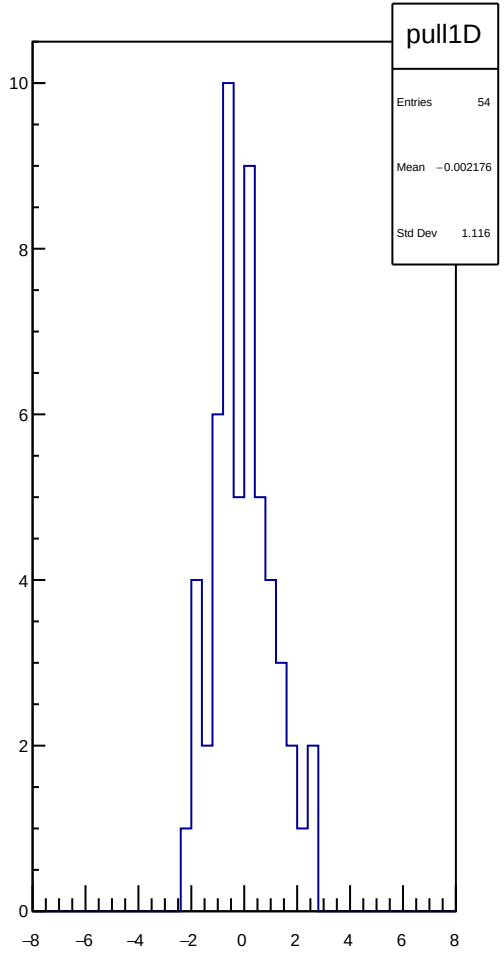
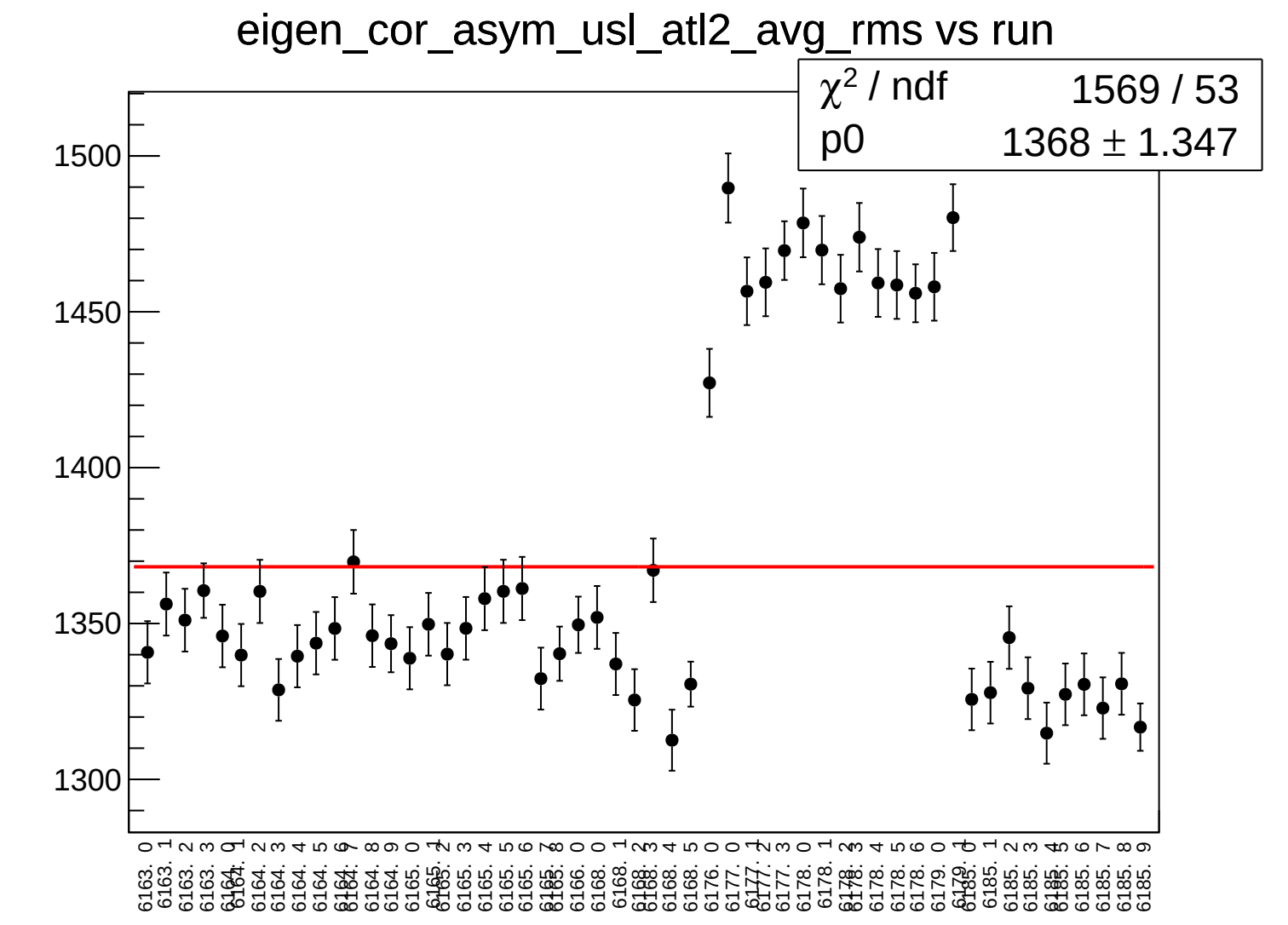
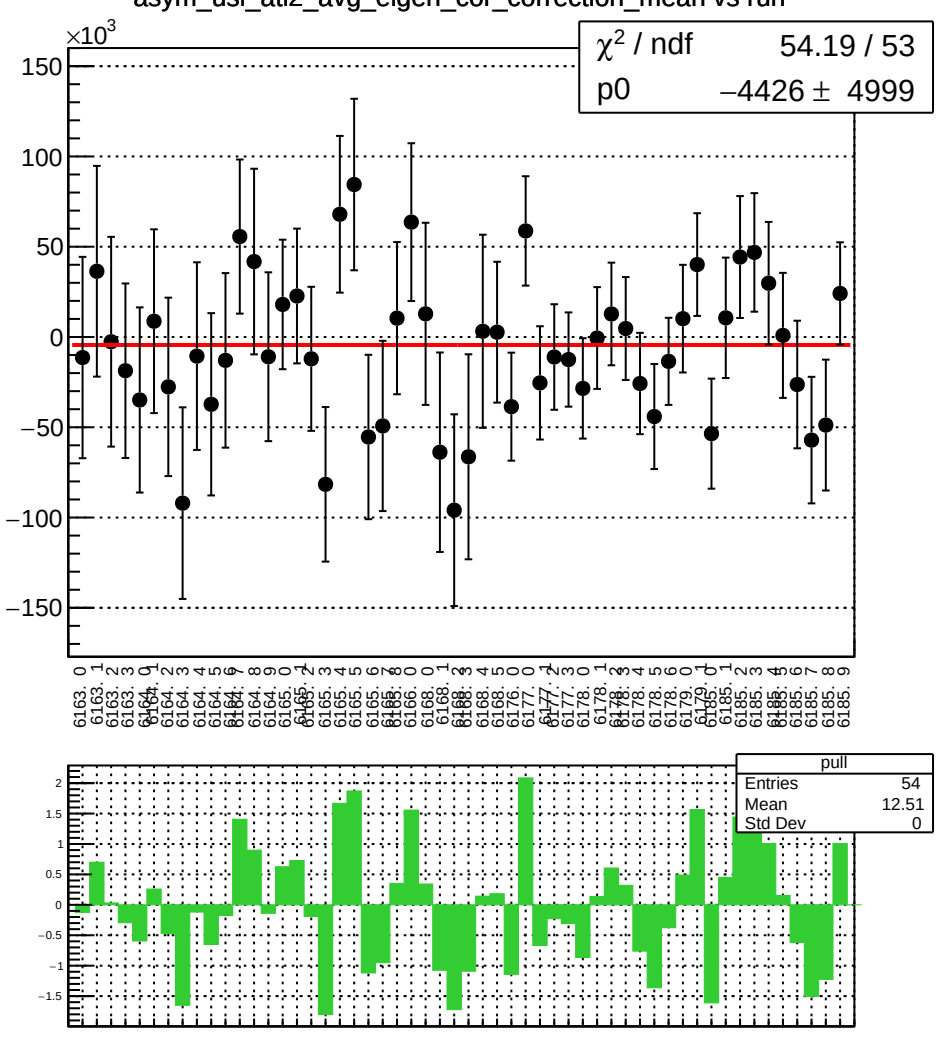
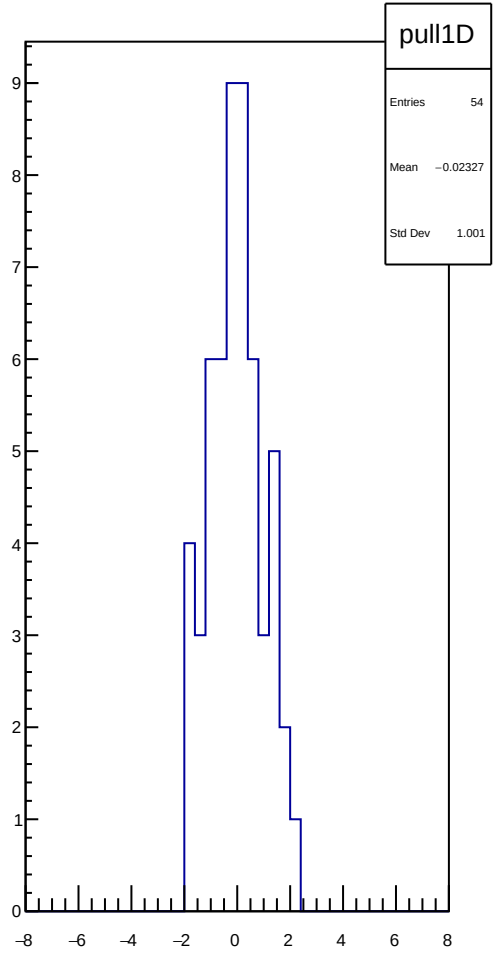
6185. 7
6185. 8
6185. 9

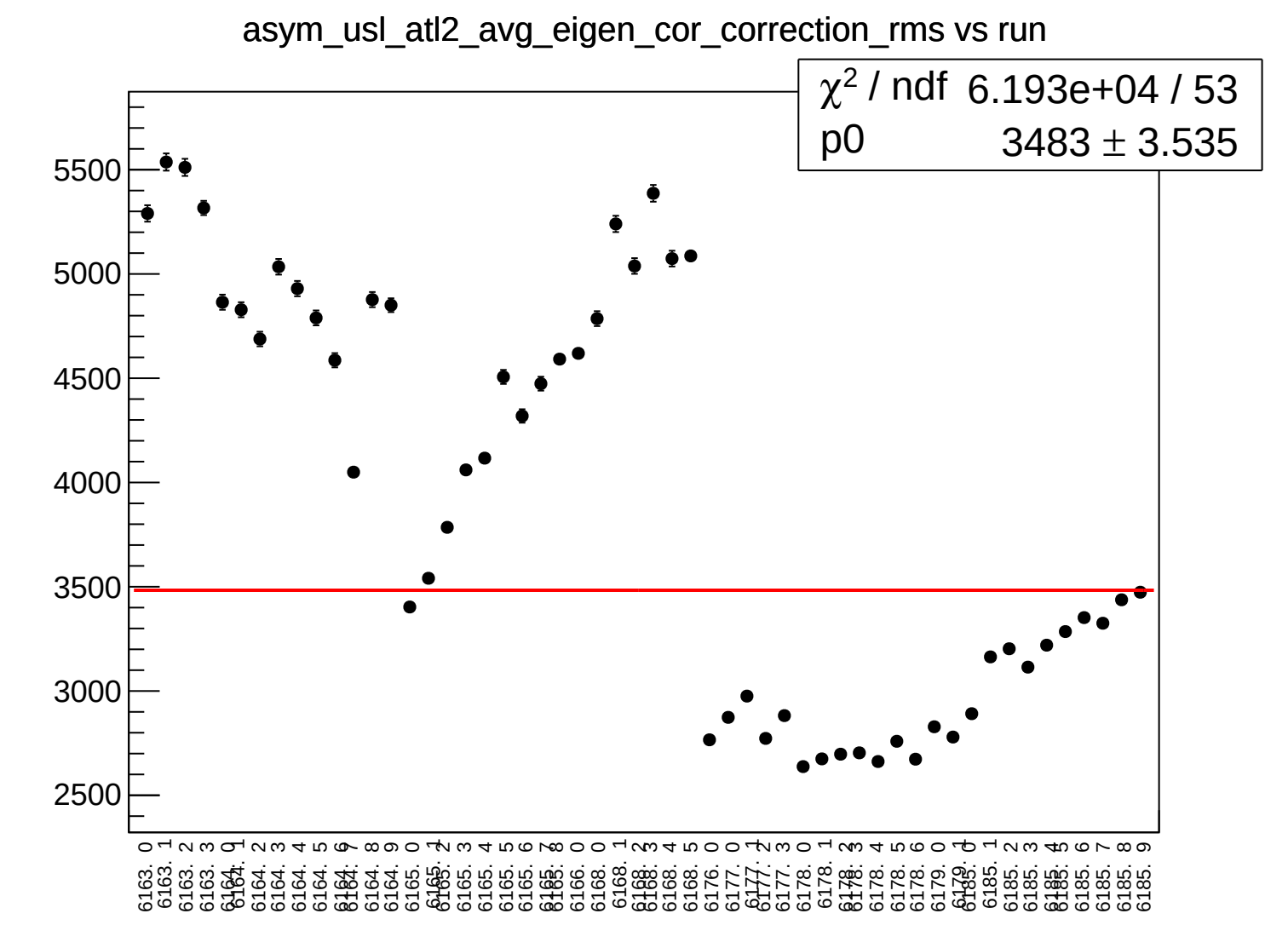

eigen_cor_asym_usl_atl2_avg_mean vs run
χ² / ndf 67.26 / 53
p0 2648 ± 1905
60000
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −337.3
Std Dev 0
2
1
0
−1
−2

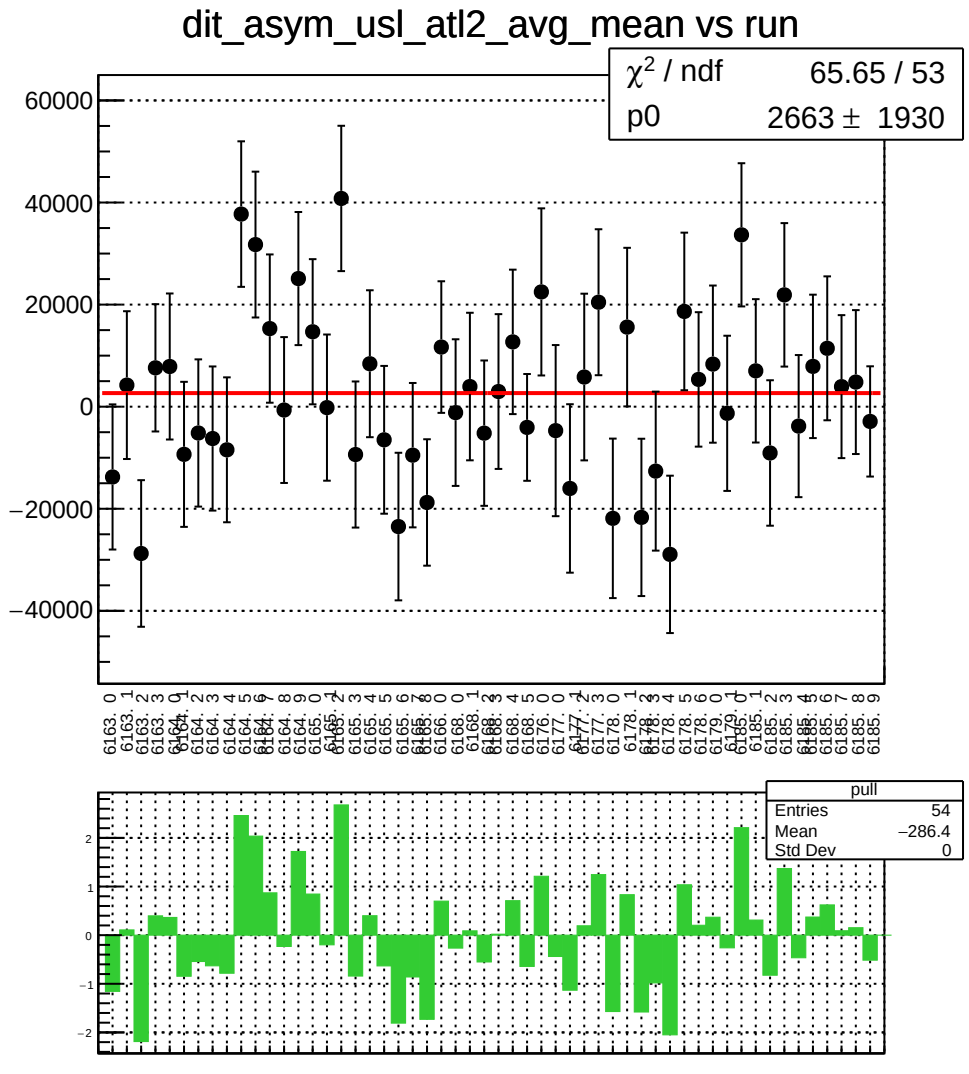

pull1D
Entries 54
Mean −0.002176
Std Dev 1.116
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

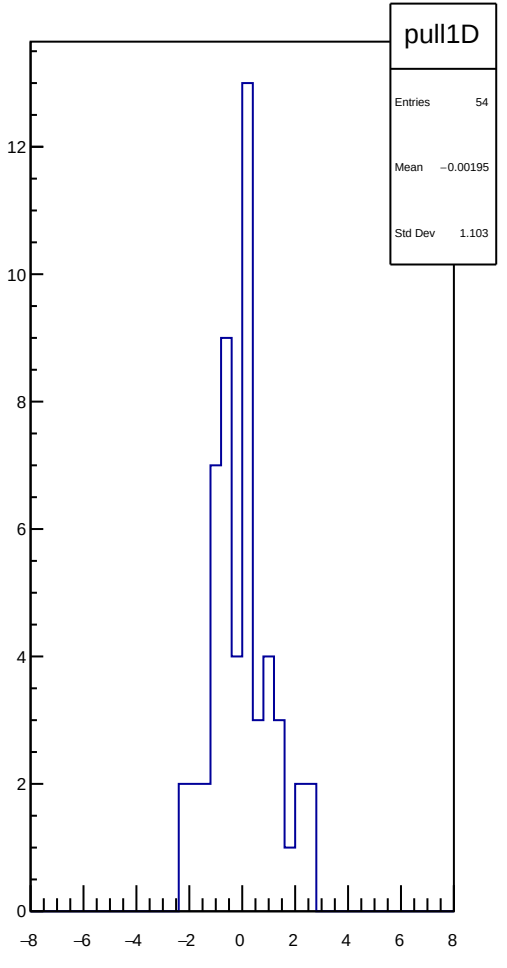

eigen_cor_asym_usl_atl2_avg_rms vs run
χ² / ndf 1569 / 53
p0 1368 ± 1.347
1500
1450
1400
1350
1300
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

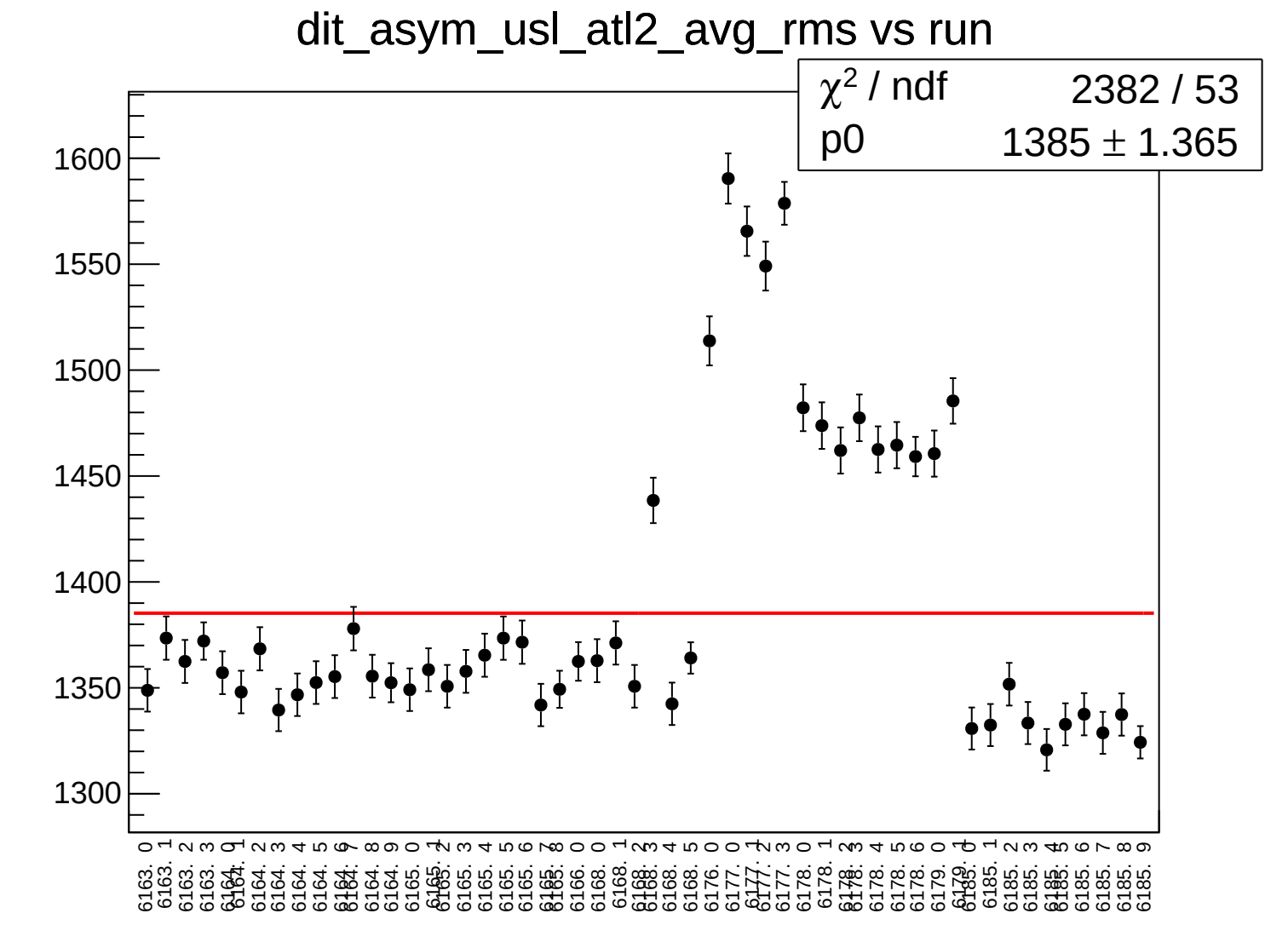

asym_usl_atl2_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 54.19 / 53
p0 −4426 ± 4999
pull
Entries 54
Mean 12.51
Std Dev 0

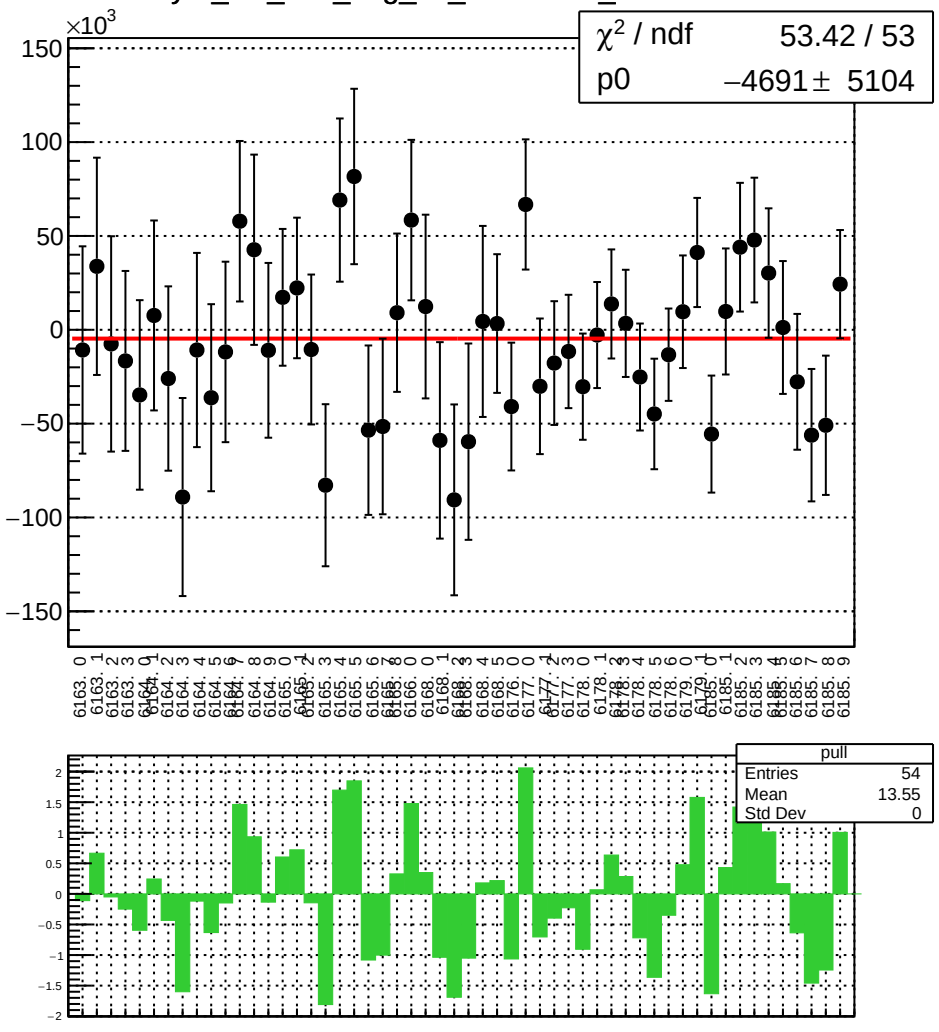

pull1D
Entries 54
Mean −0.02327
Std Dev 1.001

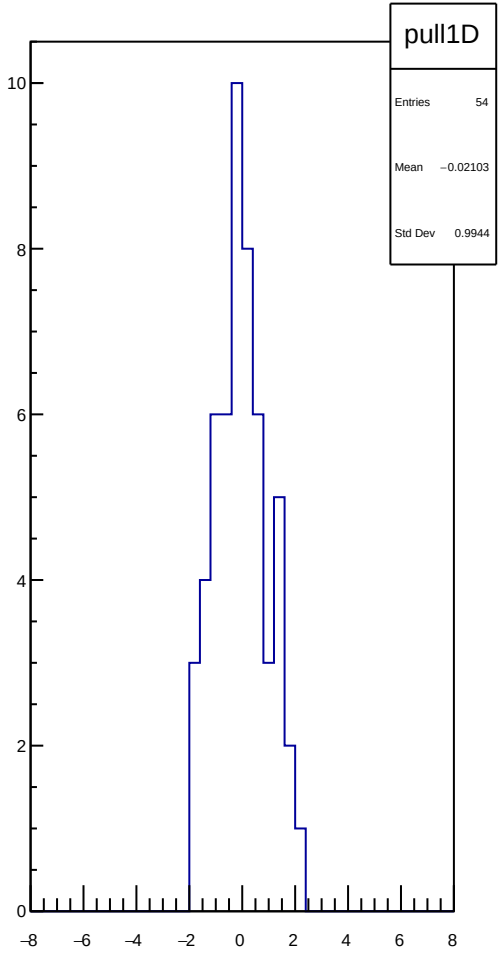

asym_usl_atl2_avg_eigen_cor_correction_rms vs run
χ² / ndf 6.193e+04 / 53
p0 3483 ± 3.535
5500
5000
4500
4000
3500
3000
2500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

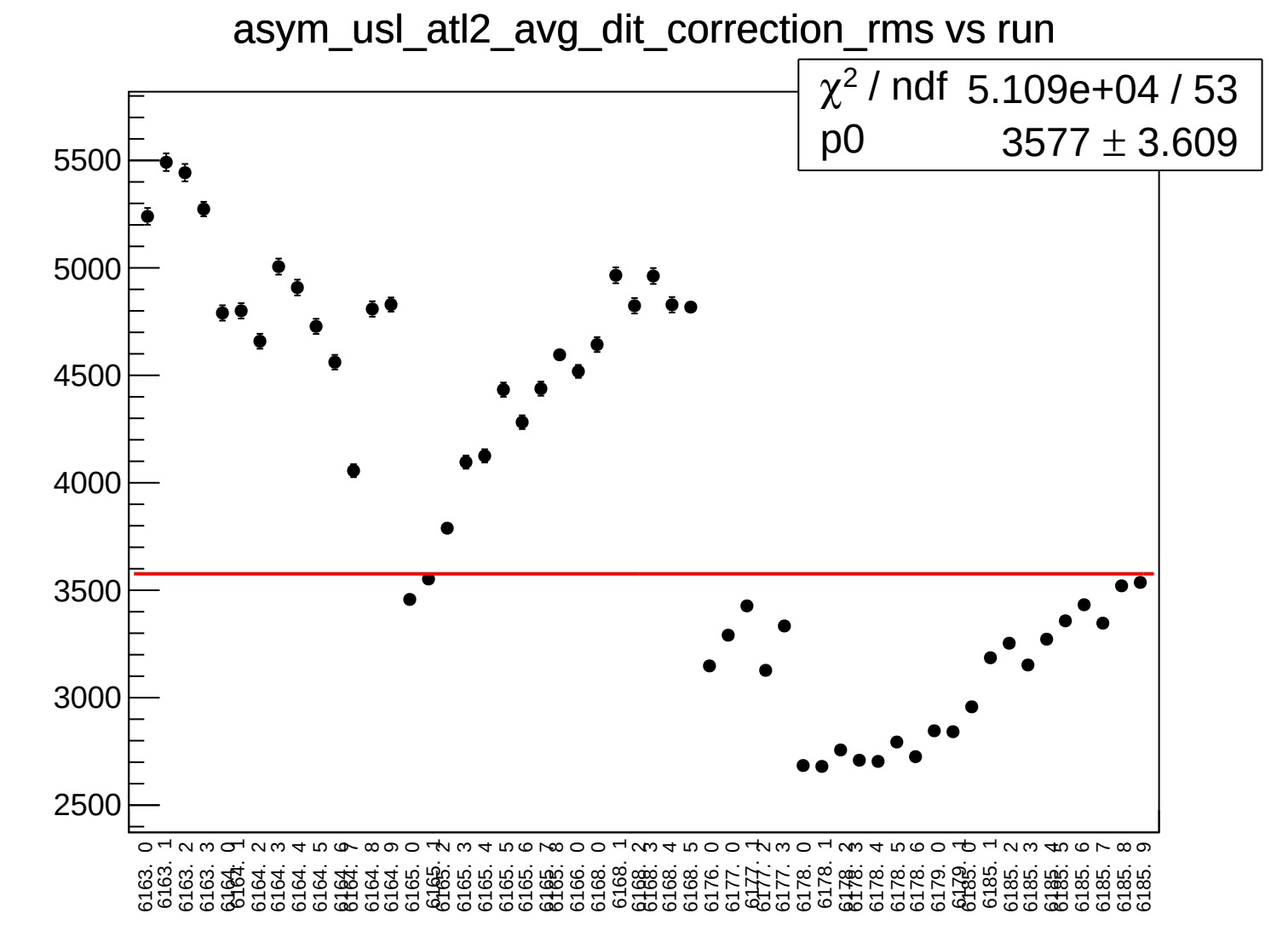

dit_asym_usl_atl2_avg_mean vs run
χ² / ndf 65.65 / 53
p0 2663 ± 1930
60000
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −286.4
Std Dev 0
2
1
0
−1
−2

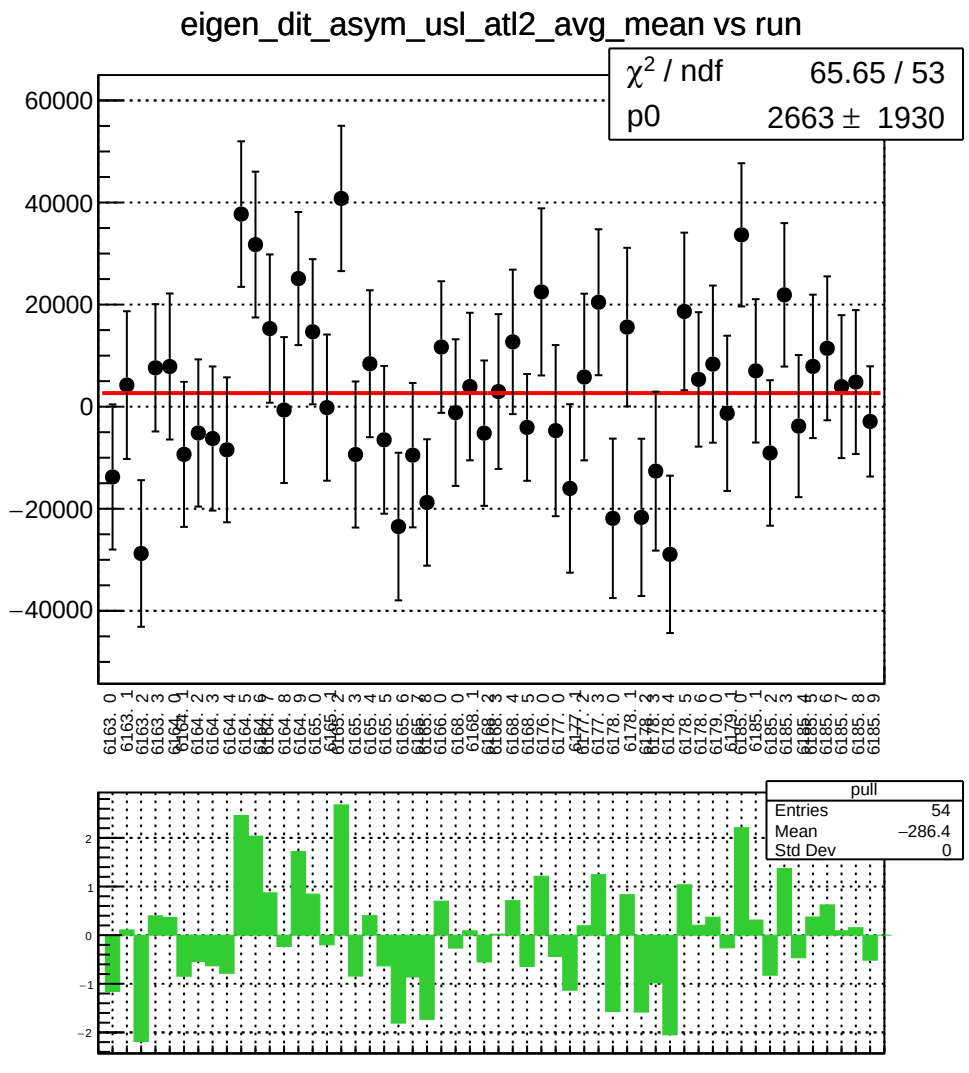

pull1D
Entries 54
Mean −0.00195
Std Dev 1.103
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

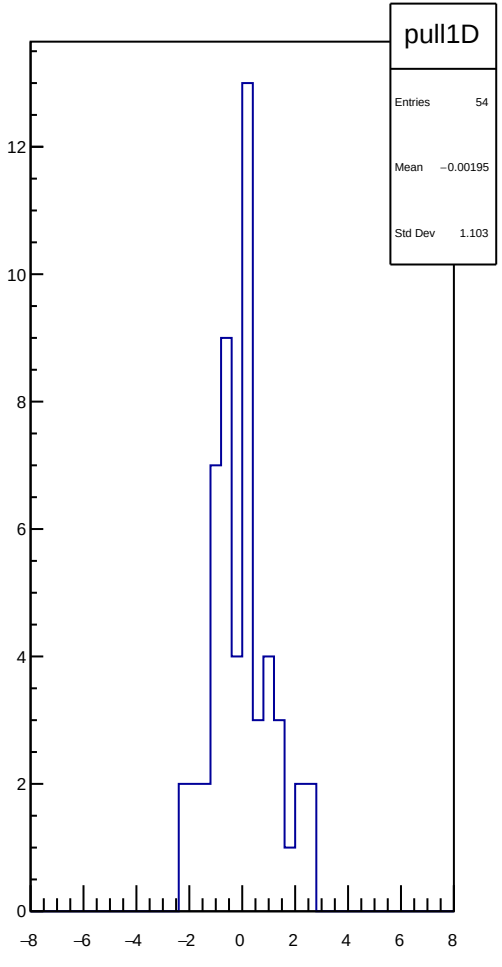

dit_asym_usl_atl2_avg_rms vs run
χ² / ndf 2382 / 53
p0 1385 ± 1.365
1600
1550
1500
1450
1400
1350
1300
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

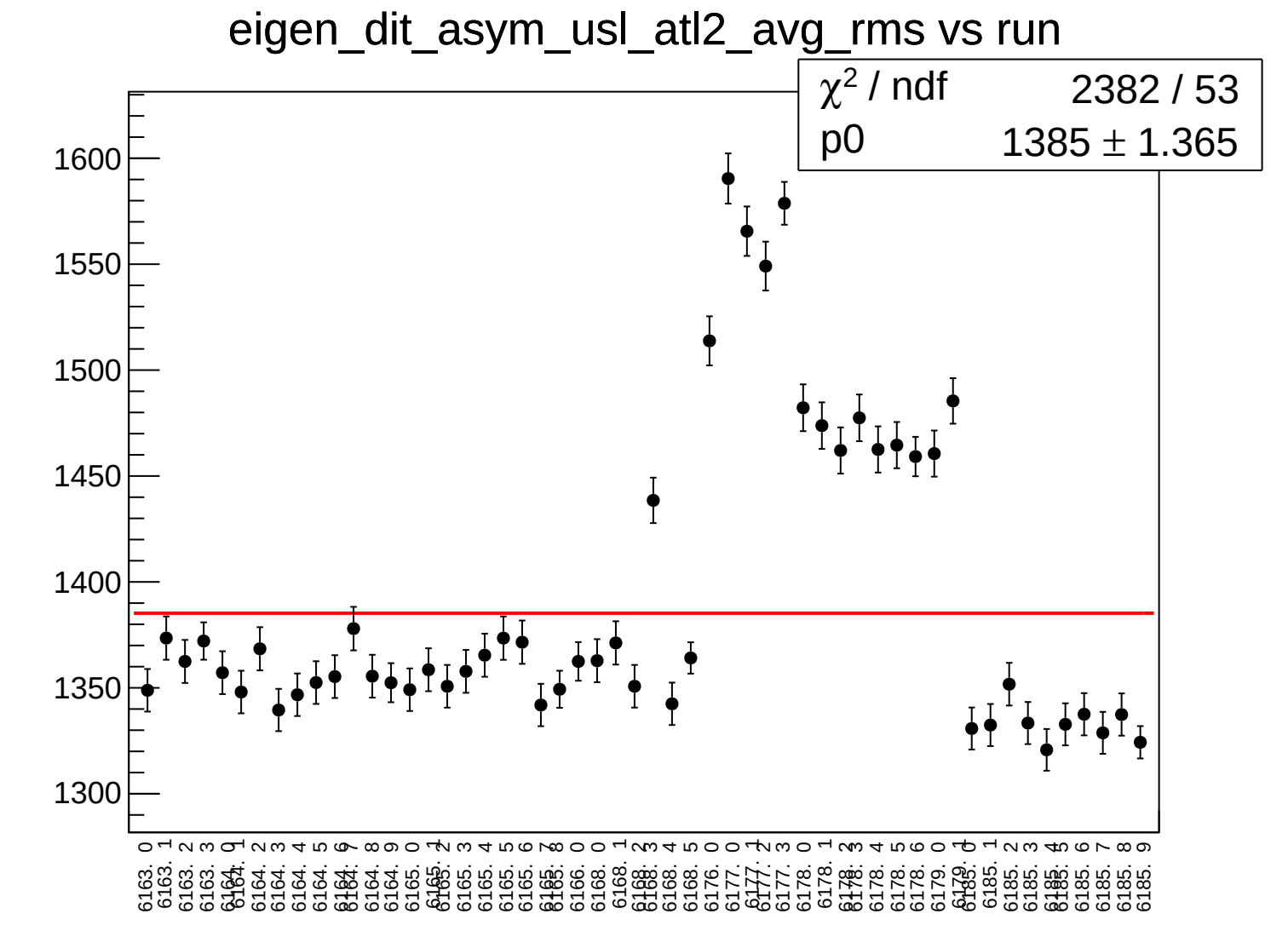

asym_usl_atl2_avg_dit_correction_mean vs run
×10^3
χ² / ndf 53.42 / 53
p0 −4691 ± 5104
pull
Entries 54
Mean 13.55
Std Dev 0

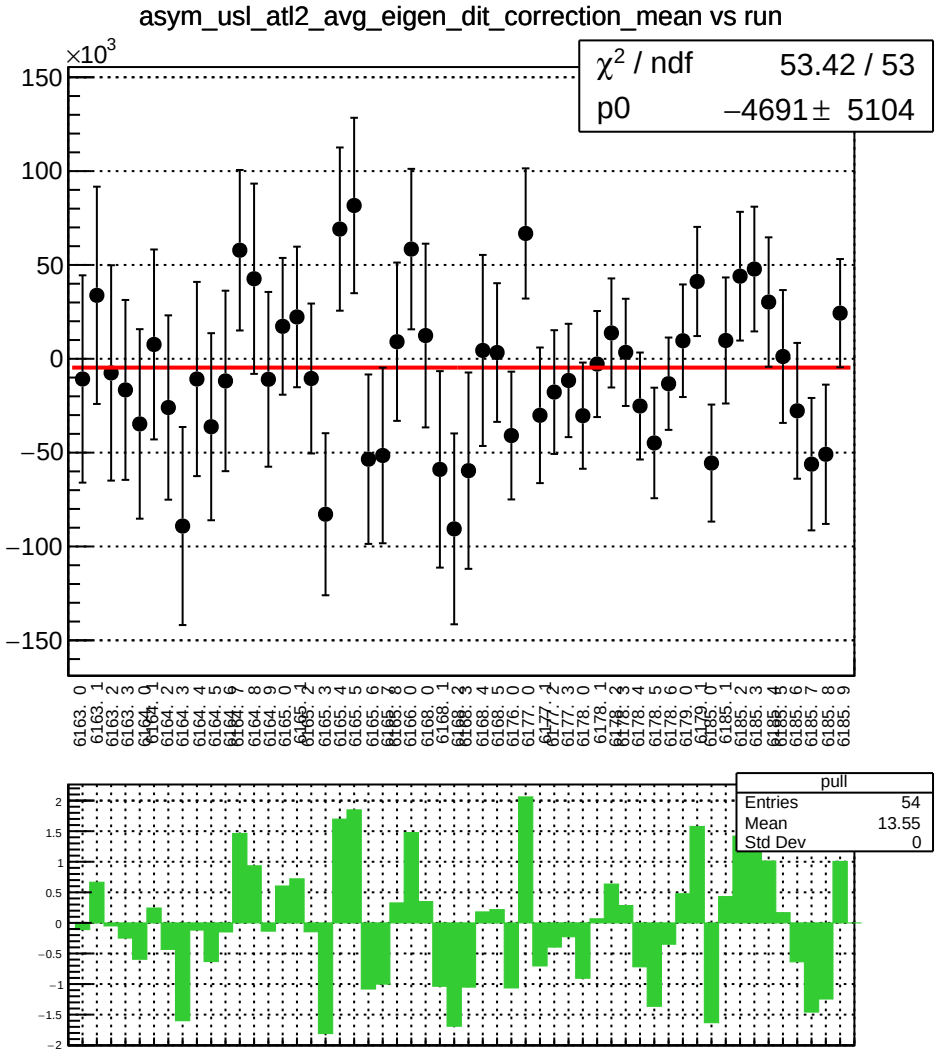

pull1D
Entries 54
Mean −0.02103
Std Dev 0.9944

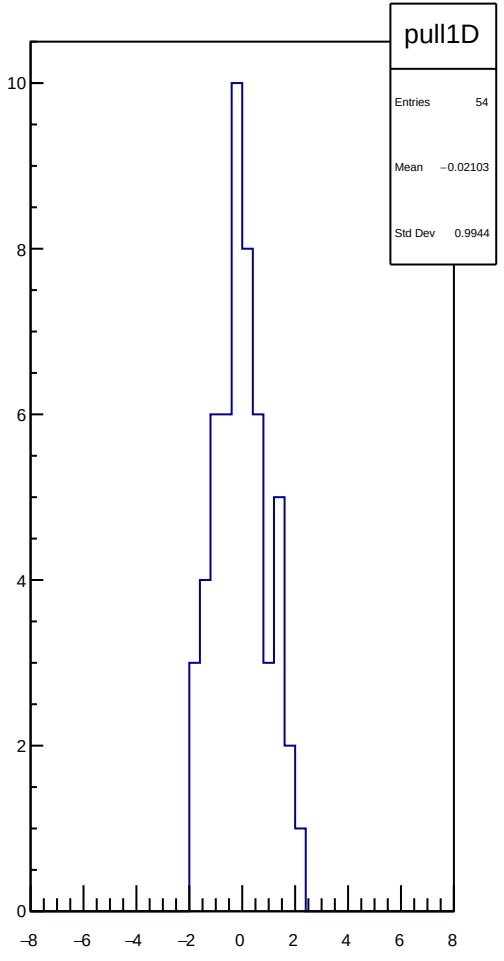

asym_usl_atl2_avg_dit_correction_rms vs run
χ² / ndf 5.109e+04 / 53
p0 3577 ± 3.609
5500
5000
4500
4000
3500
3000
2500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

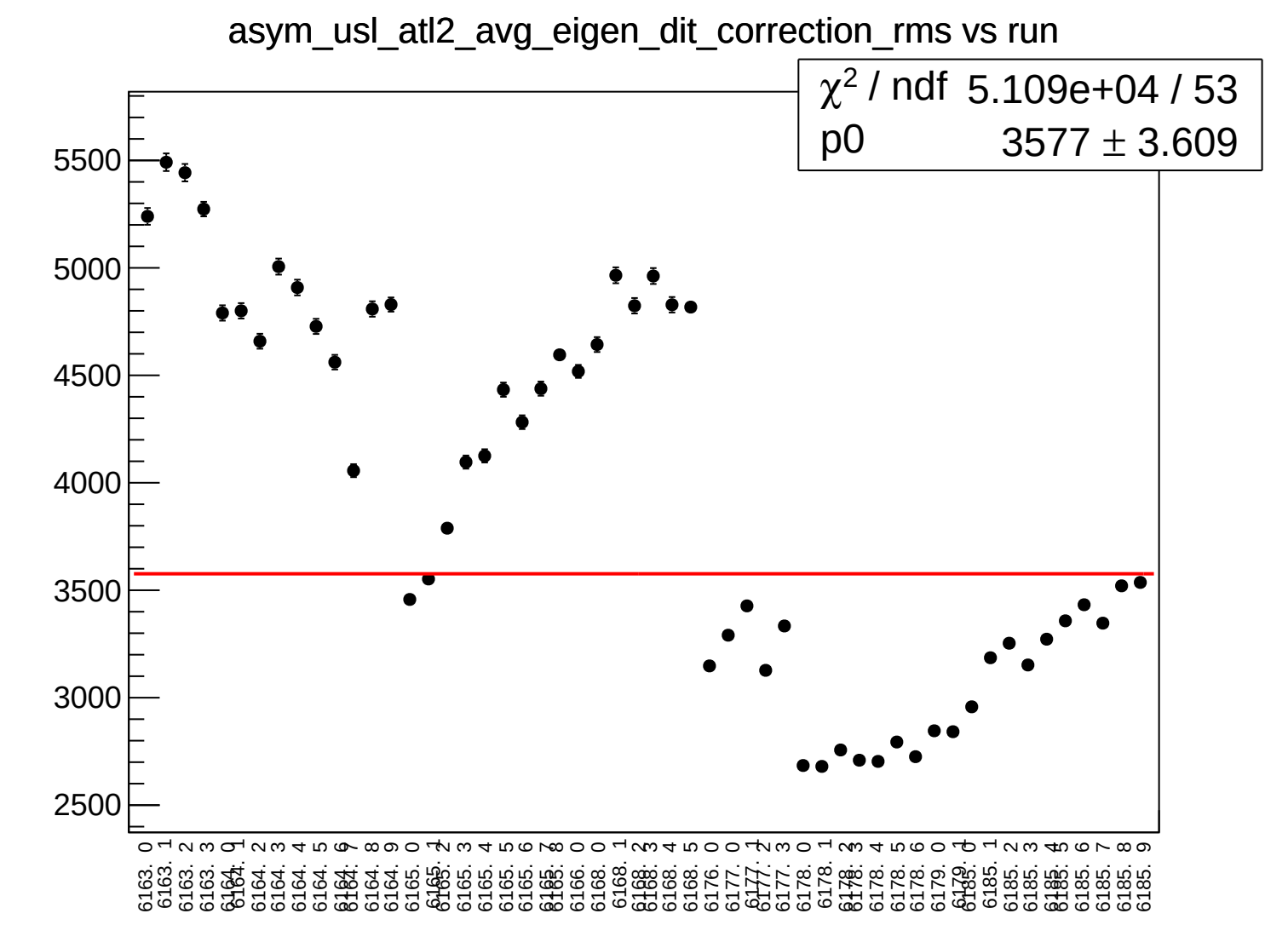

eigen_dit_asym_usl_atl2_avg_mean vs run
χ² / ndf 65.65 / 53
p0 2663 ± 1930
pull
Entries 54
Mean −286.4
Std Dev 0

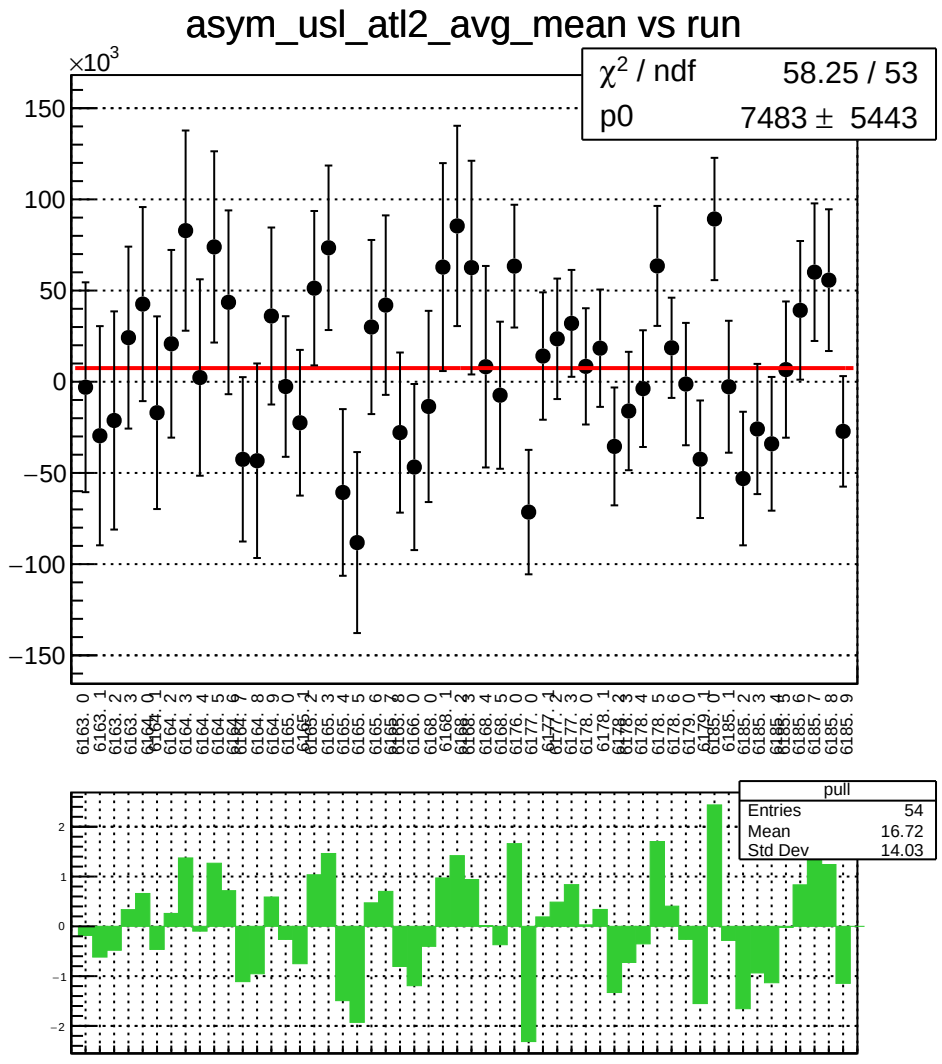

pull1D
Entries 54
Mean −0.00195
Std Dev 1.103

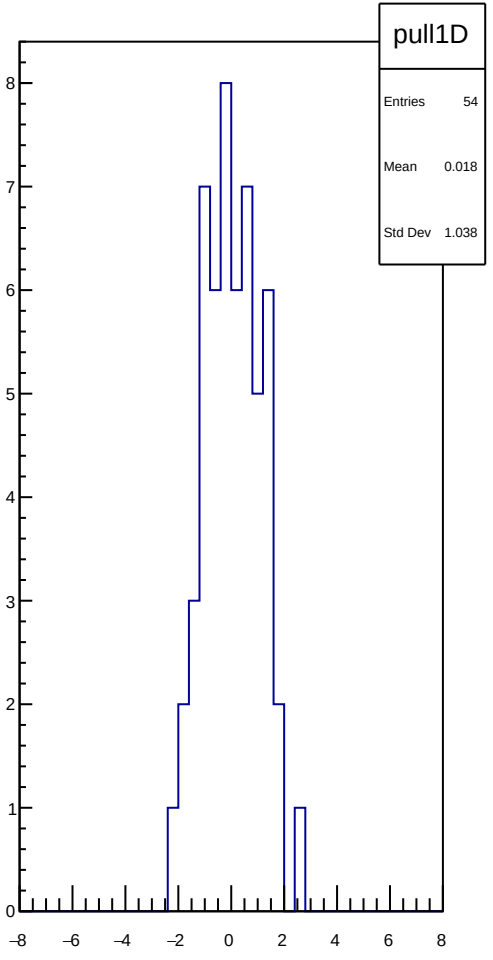

eigen_dit_asym_usl_atl2_avg_rms vs run
χ² / ndf 2382 / 53
p0 1385 ± 1.365
1600
1550
1500
1450
1400
1350
1300
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

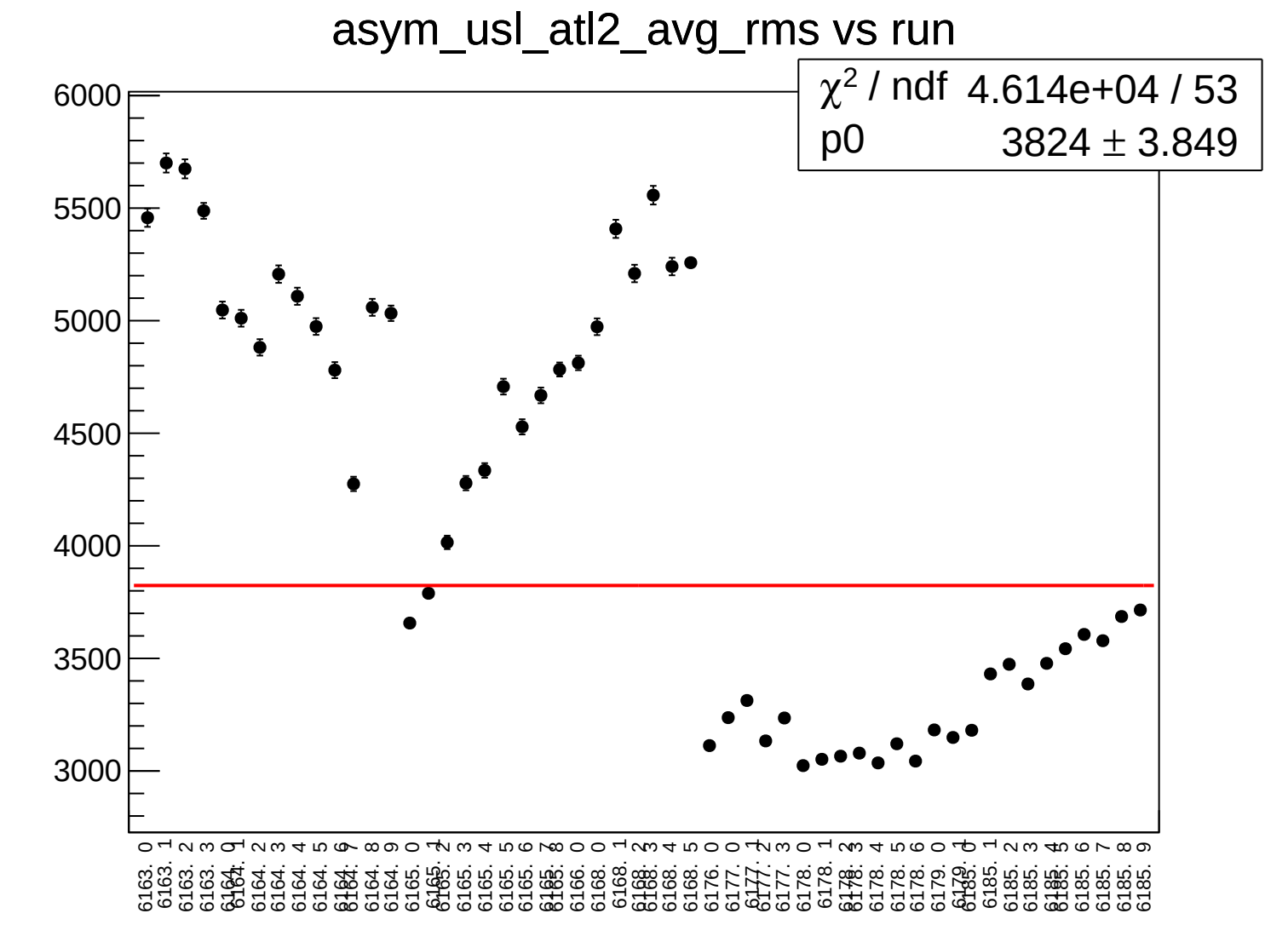

asym_usl_atl2_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 53.42 / 53
p0 −4691 ± 5104
150
100
50
0
−50
−100
−150
pull
Entries 54
Mean 13.55
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

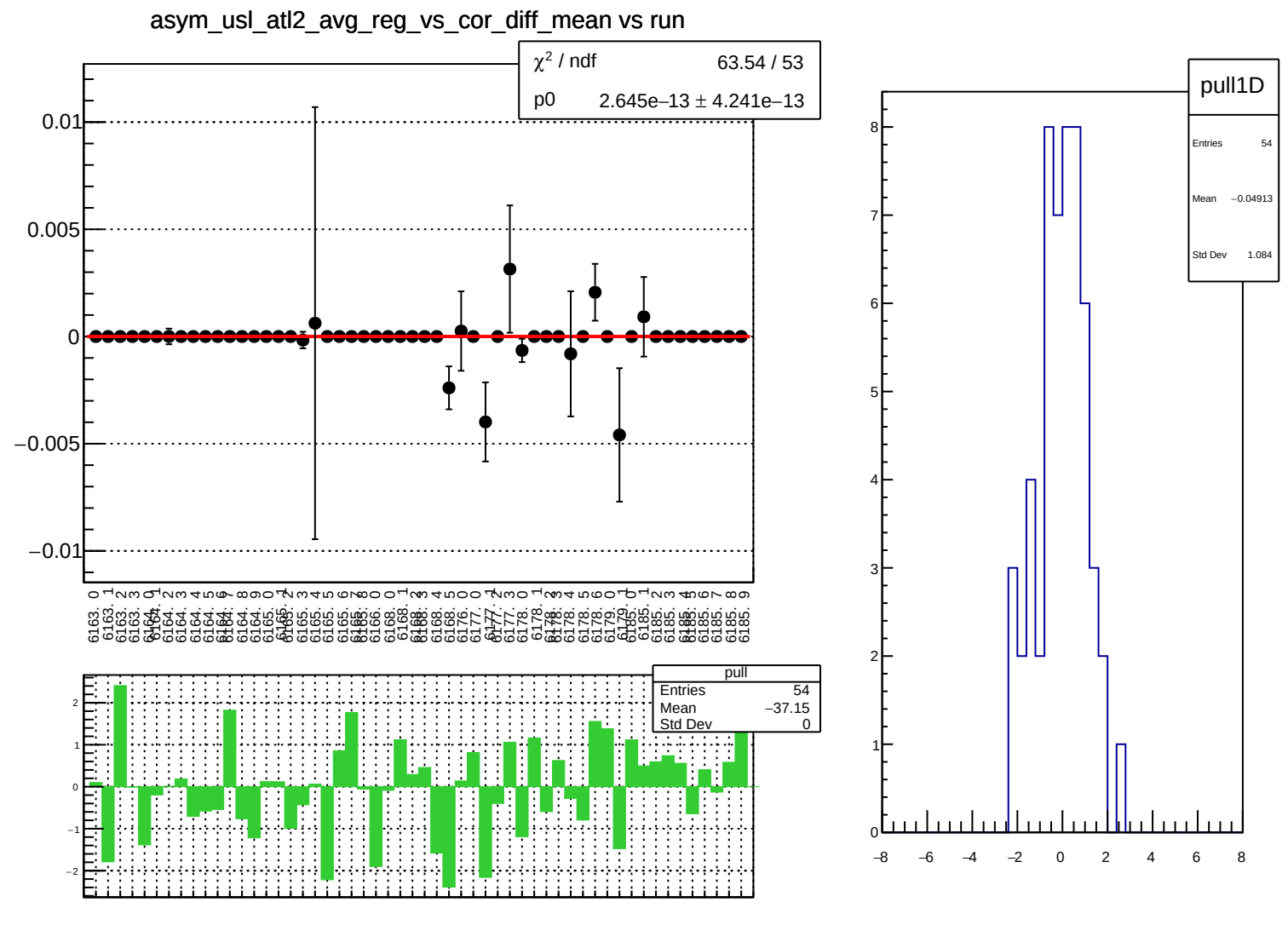

pull1D
Entries 54
Mean −0.02103
Std Dev 0.9944
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

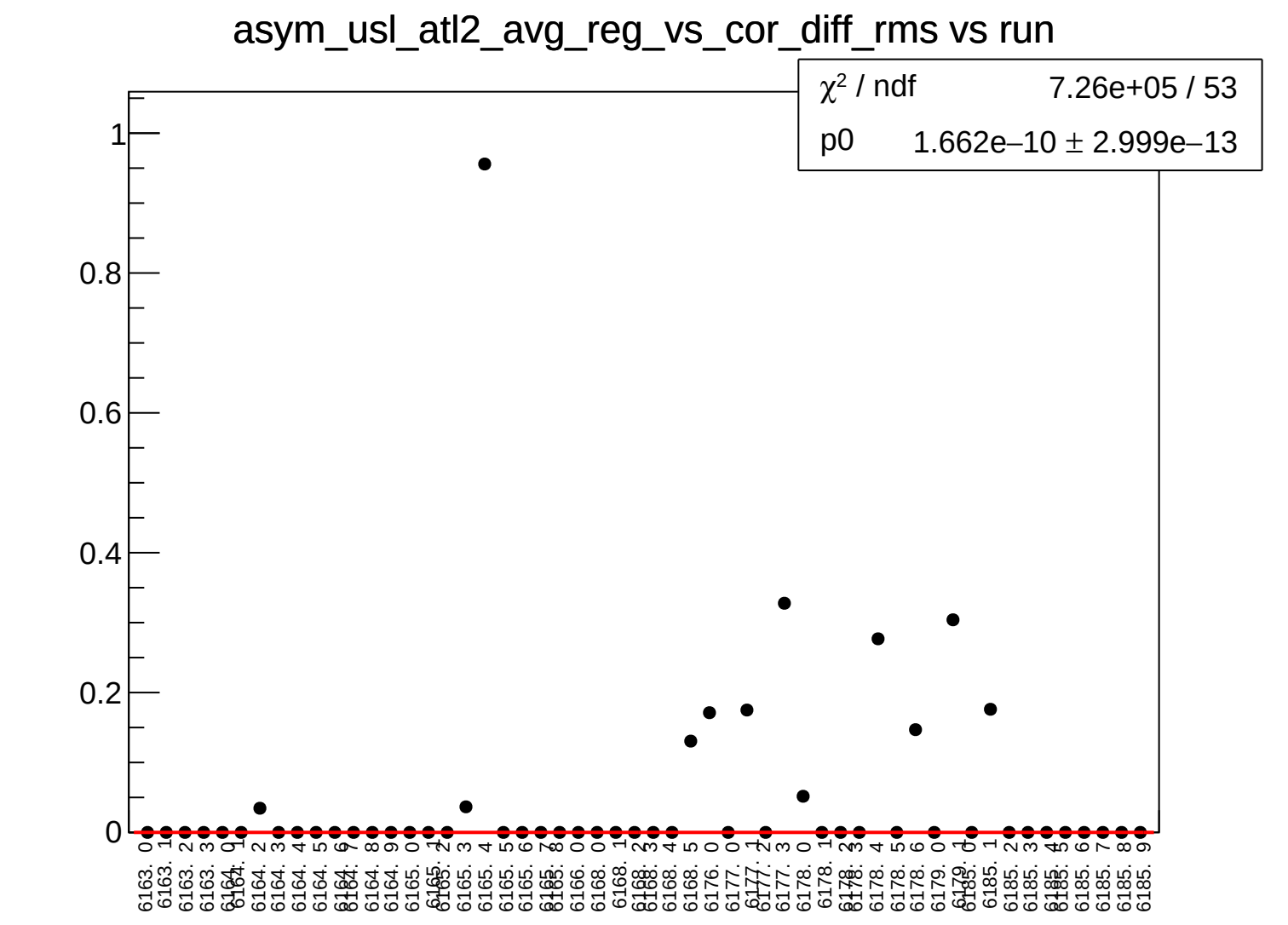

asym_usl_atl2_avg_eigen_dit_correction_rms vs run
χ² / ndf 5.109e+04 / 53
p0 3577 ± 3.609
5500
5000
4500
4000
3500
3000
2500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

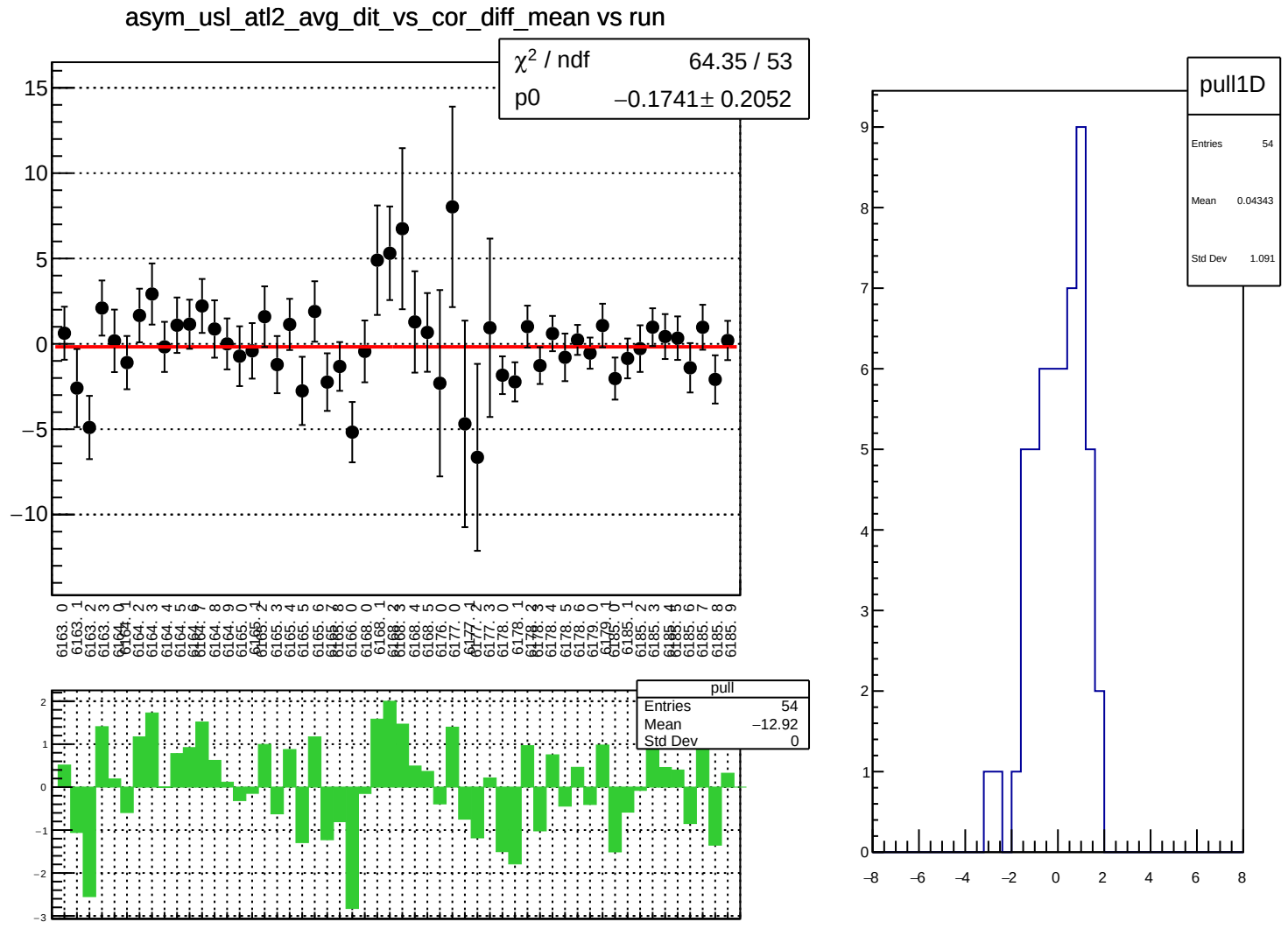

asym_usl_atl2_avg_mean vs run
χ² / ndf 58.25 / 53
p0 7483 ± 5443
pull
Entries 54
Mean 16.72
Std Dev 14.03

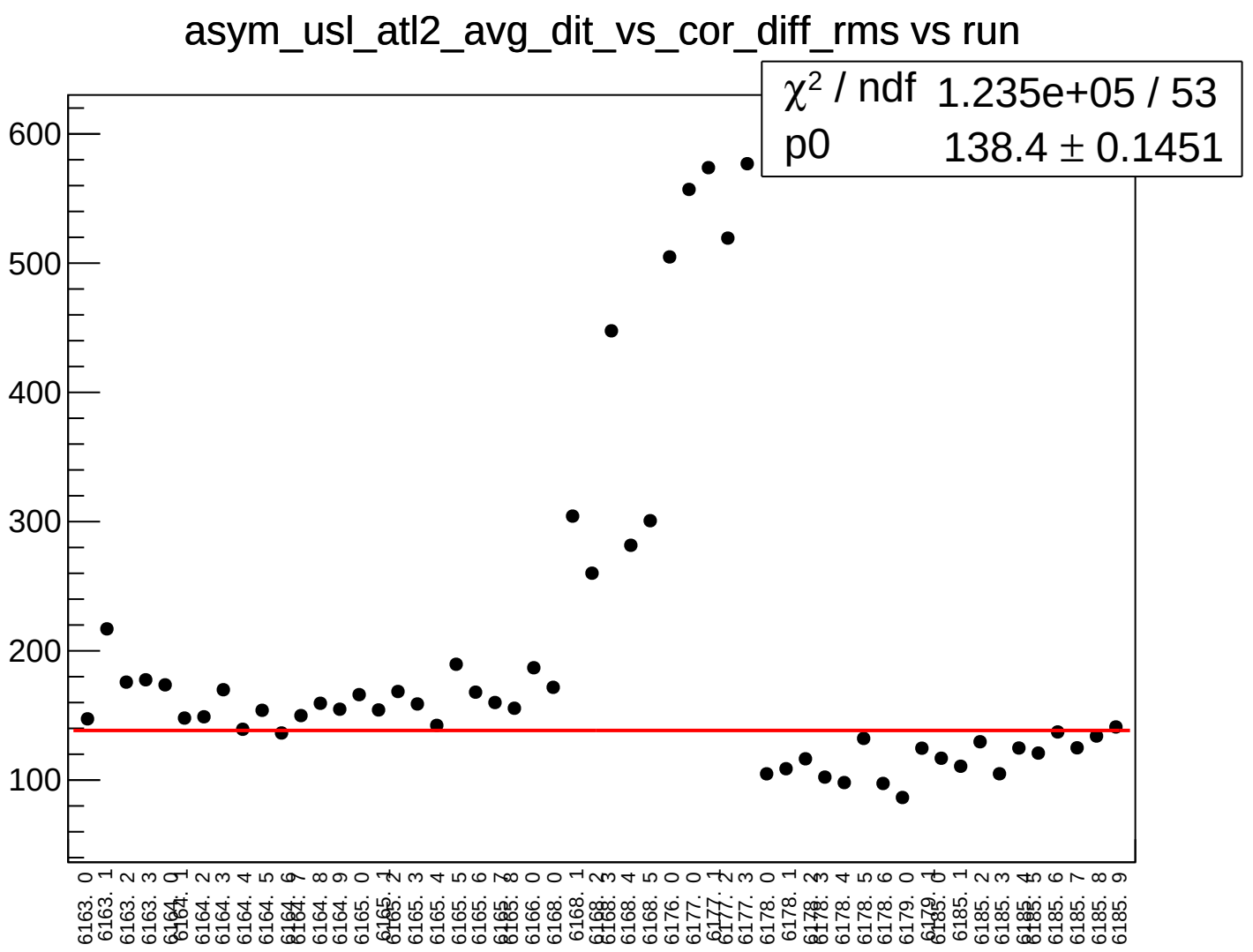

pull1D
Entries 54
Mean 0.018
Std Dev 1.038

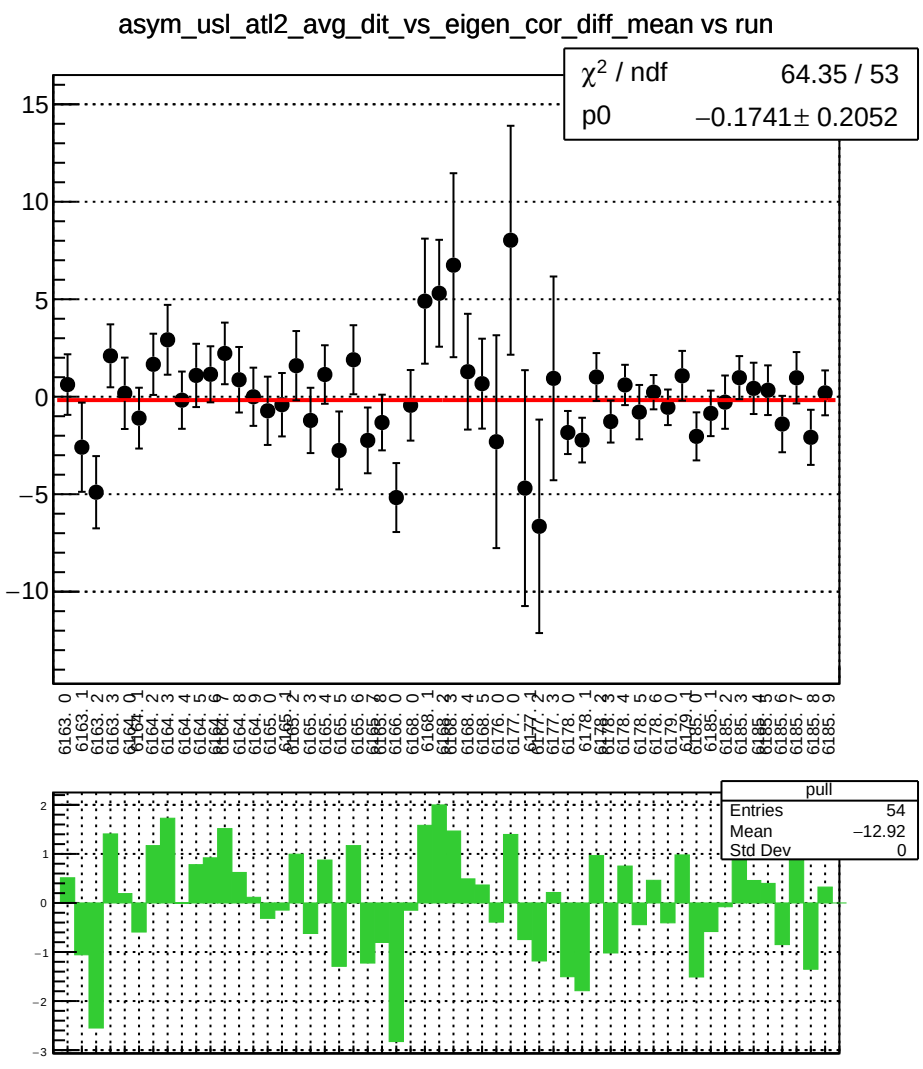

asym_usl_atl2_avg_rms vs run
χ² / ndf 4.614e+04 / 53
p0 3824 ± 3.849
6000
5500
5000
4500
4000
3500
3000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

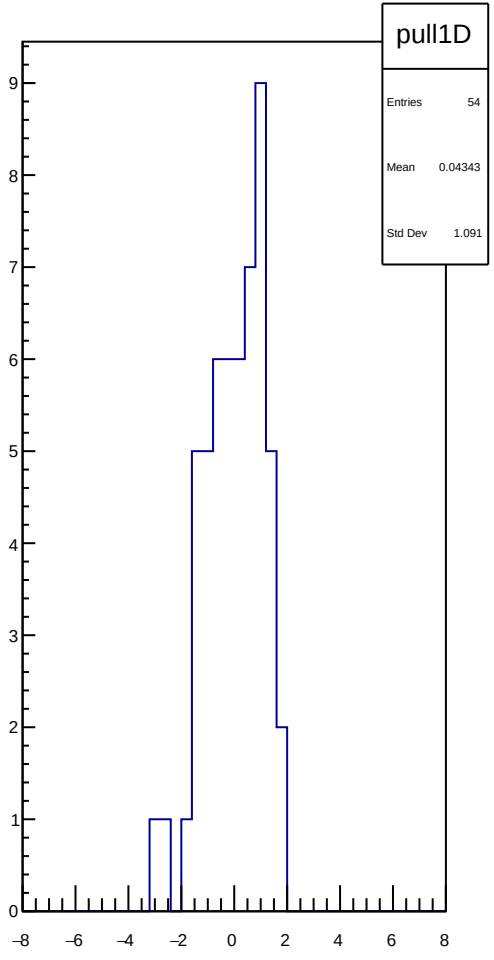

asym_usl_atl2_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 63.54 / 53
p0 2.645e−13 ± 4.241e−13
0.01
0.005
0
−0.005
−0.01
pull
Entries 54
Mean −37.15
Std Dev 0
pull1D
Entries 54
Mean −0.04913
Std Dev 1.084

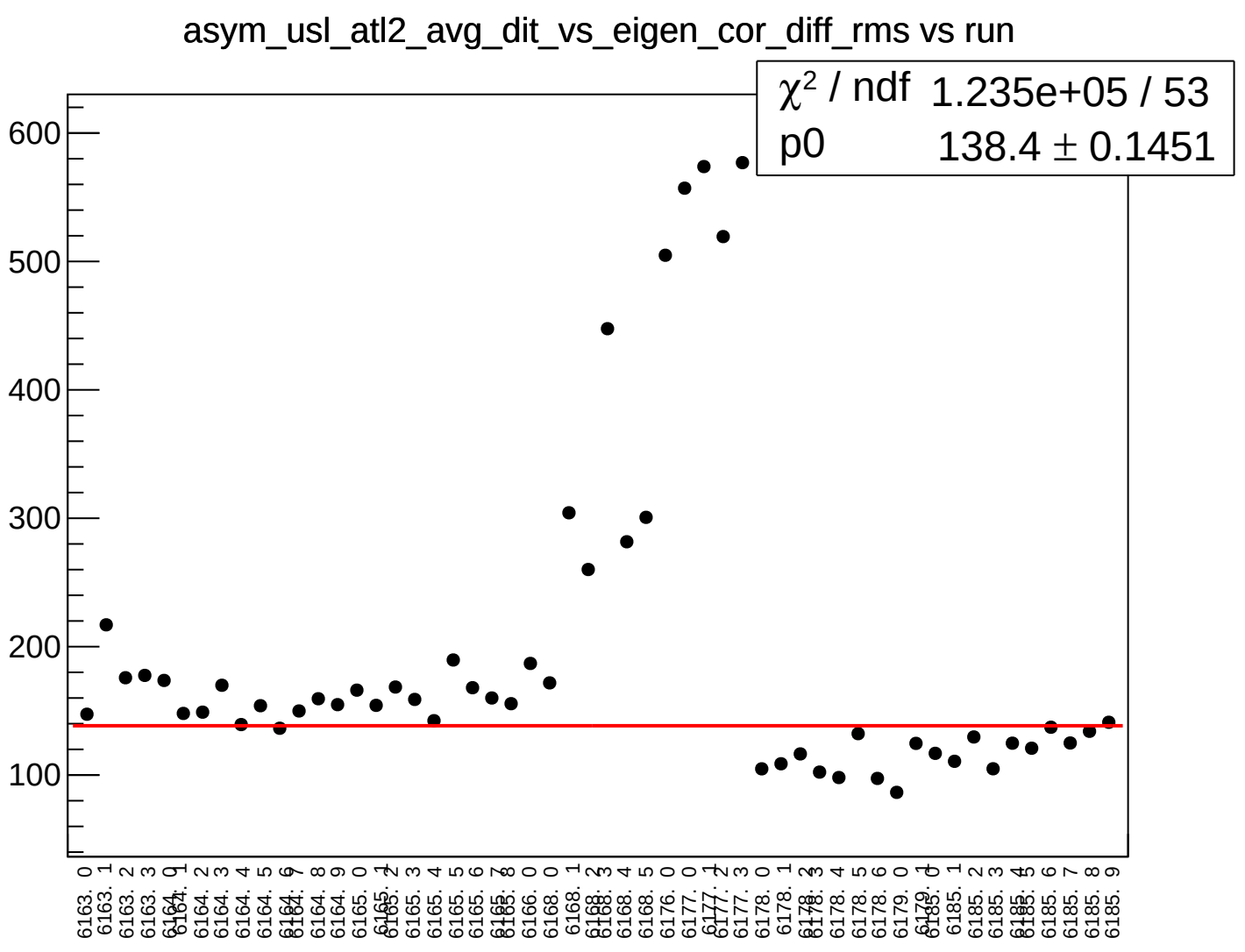

asym_usl_atl2_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 7.26e+05 / 53
p0 1.662e−10 ± 2.999e−13
1
0.8
0.6
0.4
0.2
0
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


asym_usl_atl2_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 64.35 / 53
p0 −0.1741± 0.2052
pull
Entries 54
Mean −12.92
Std Dev 0
pull1D
Entries 54
Mean 0.04343
Std Dev 1.091


asym_usl_atl2_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.235e+05 / 53
p0 138.4 ± 0.1451
600
500
400
300
200
100
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


asym_usl_atl2_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 64.35 / 53
p0 −0.1741± 0.2052
pull
Entries 54
Mean −12.92
Std Dev 0


pull1D
Entries 54
Mean 0.04343
Std Dev 1.091


asym_usl_atl2_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.235e+05 / 53
p0 138.4 ± 0.1451
600
500
400
300
200
100
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
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6185. 6
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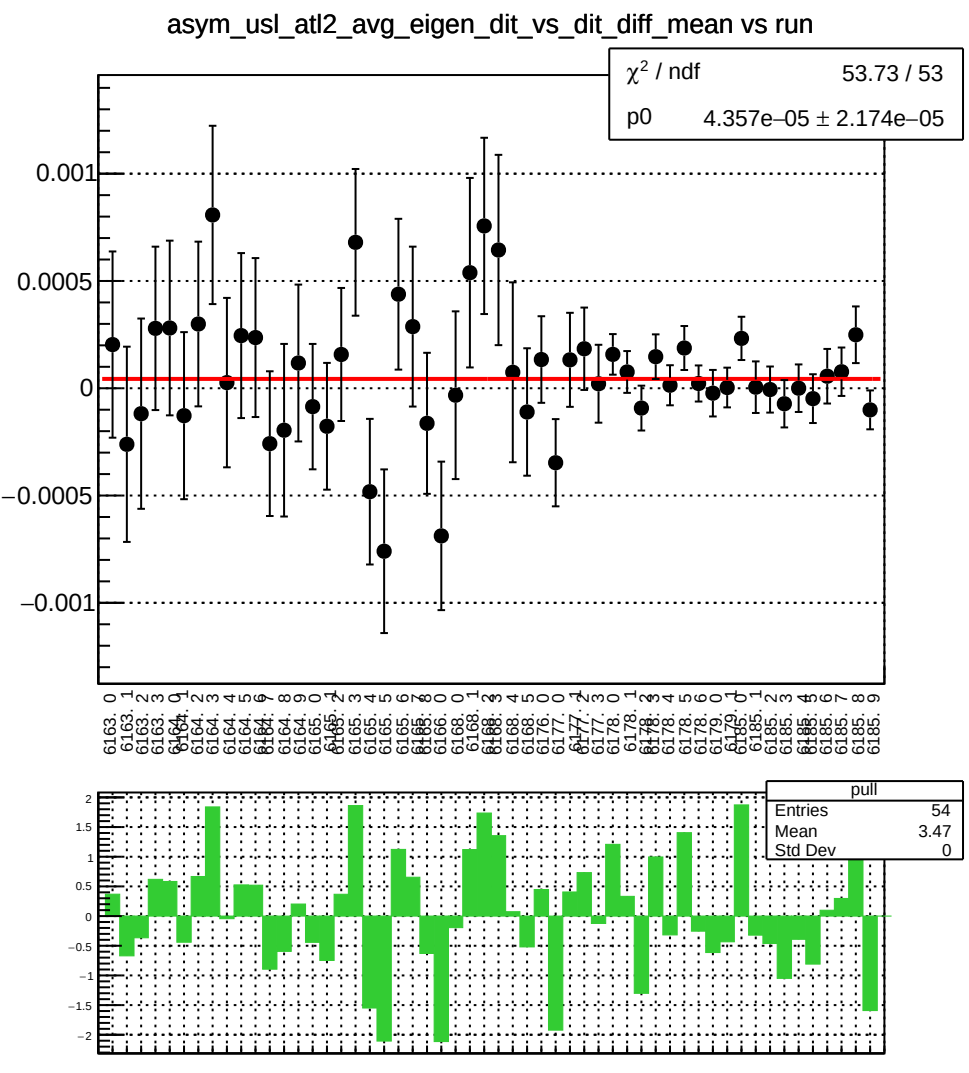
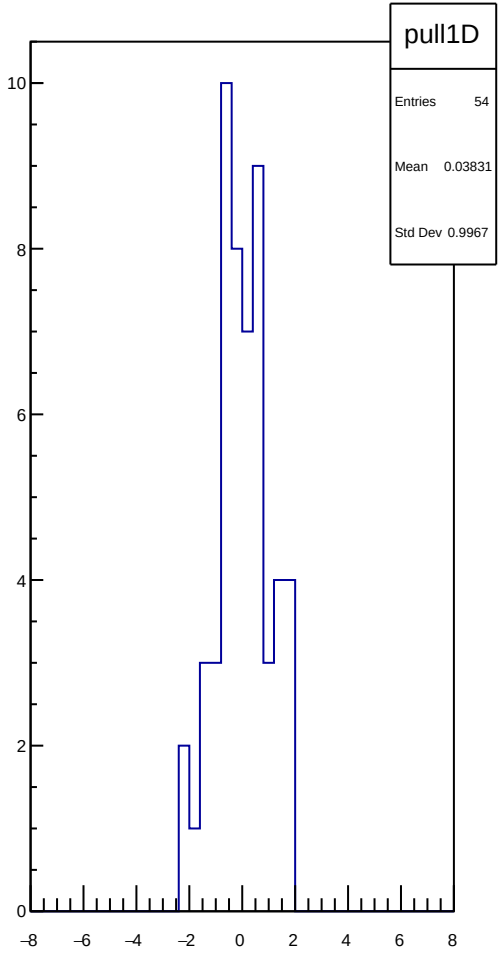
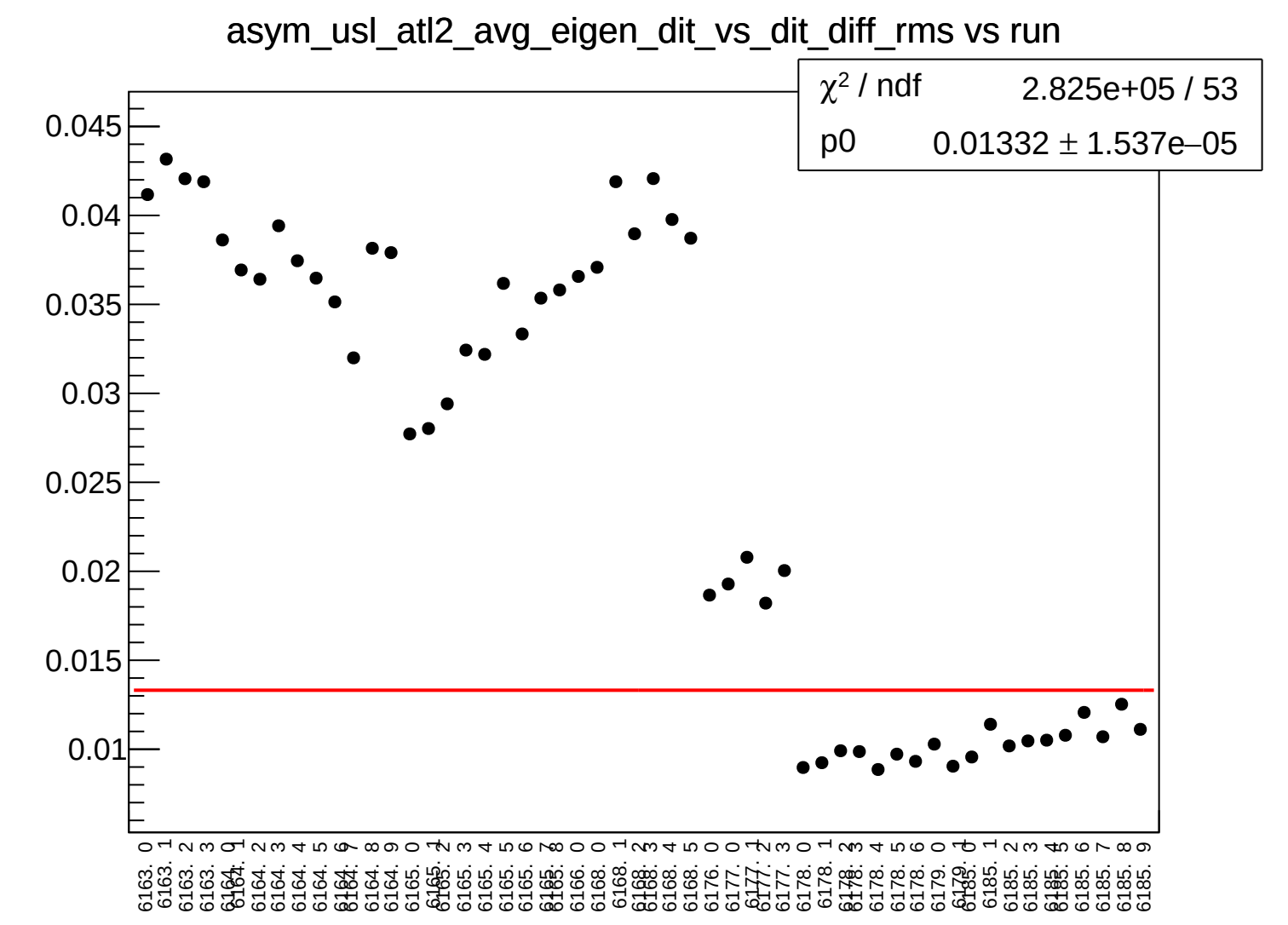
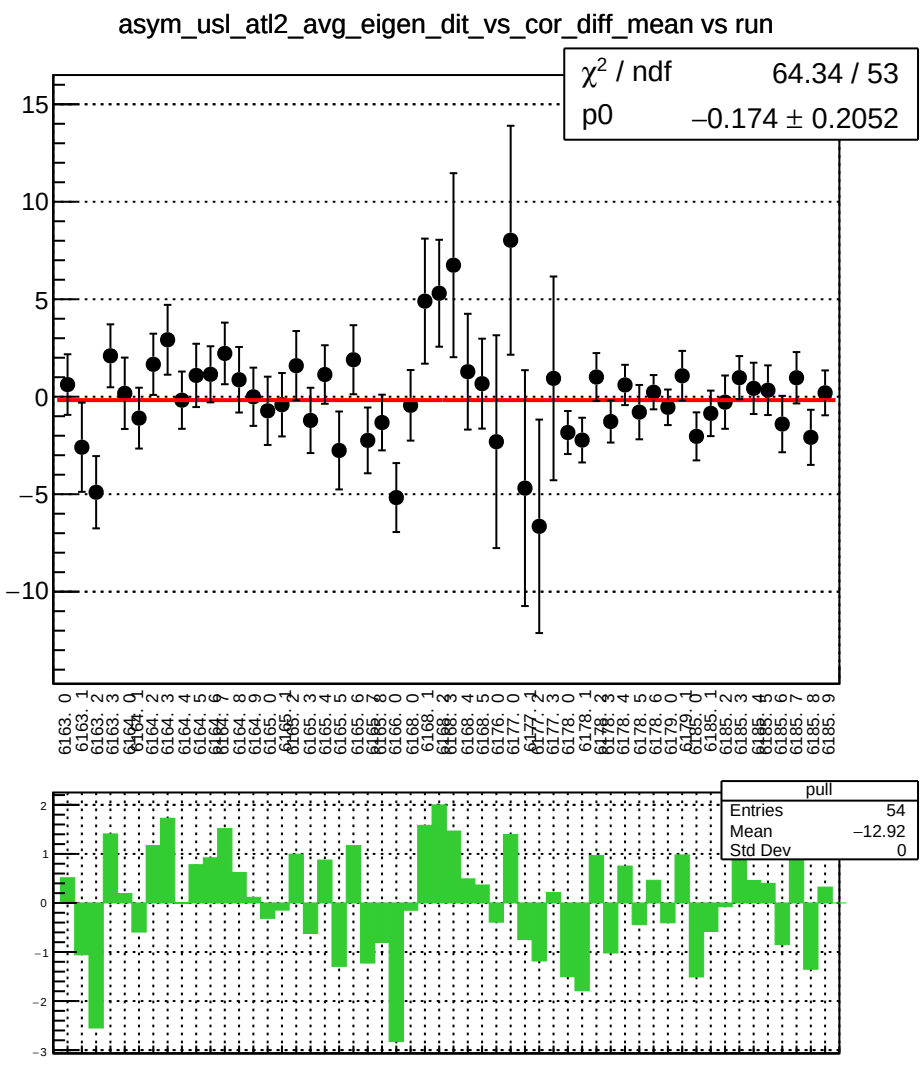
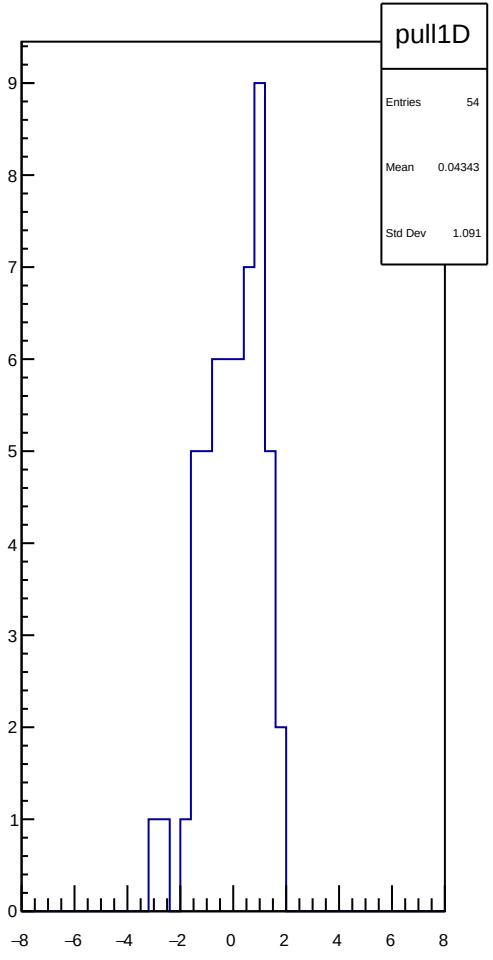
6185. 9

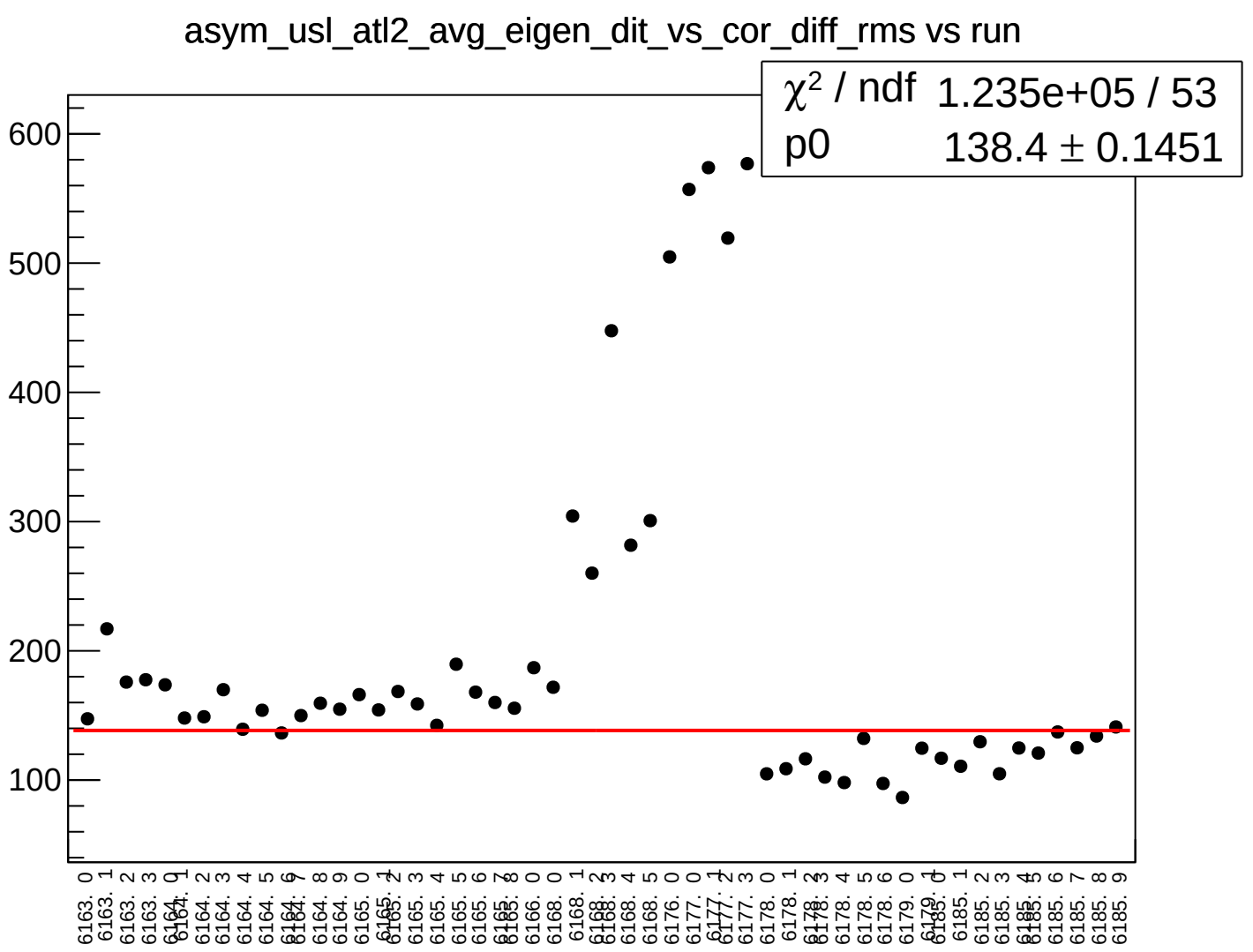

asym_usl_atl2_avg_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 53.73 / 53
p0 4.357e−05 ± 2.174e−05
0.001
0.0005
0
−0.0005
−0.001
pull
Entries 54
Mean 3.47
Std Dev 0

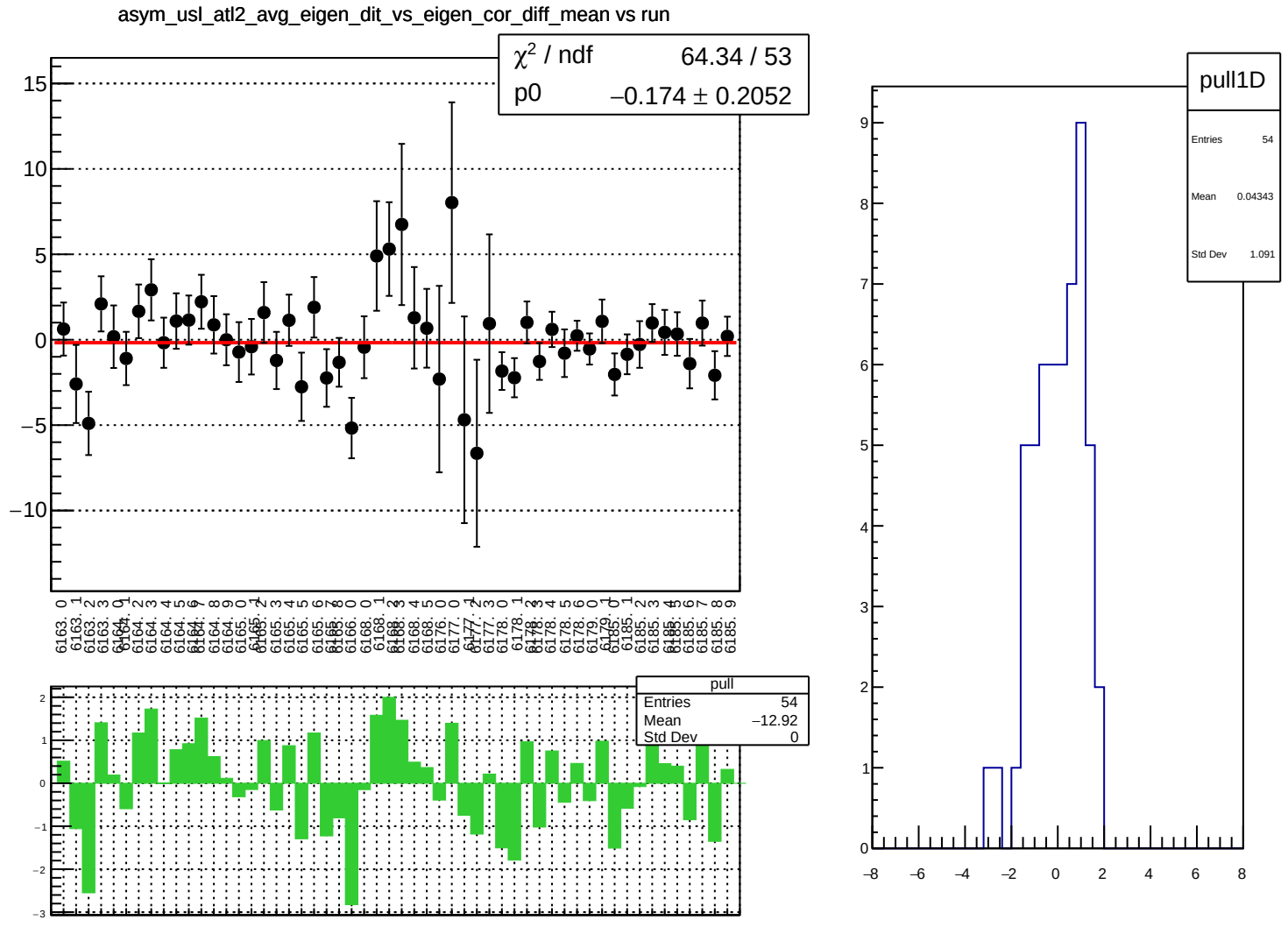

pull1D
Entries 54
Mean 0.03831
Std Dev 0.9967

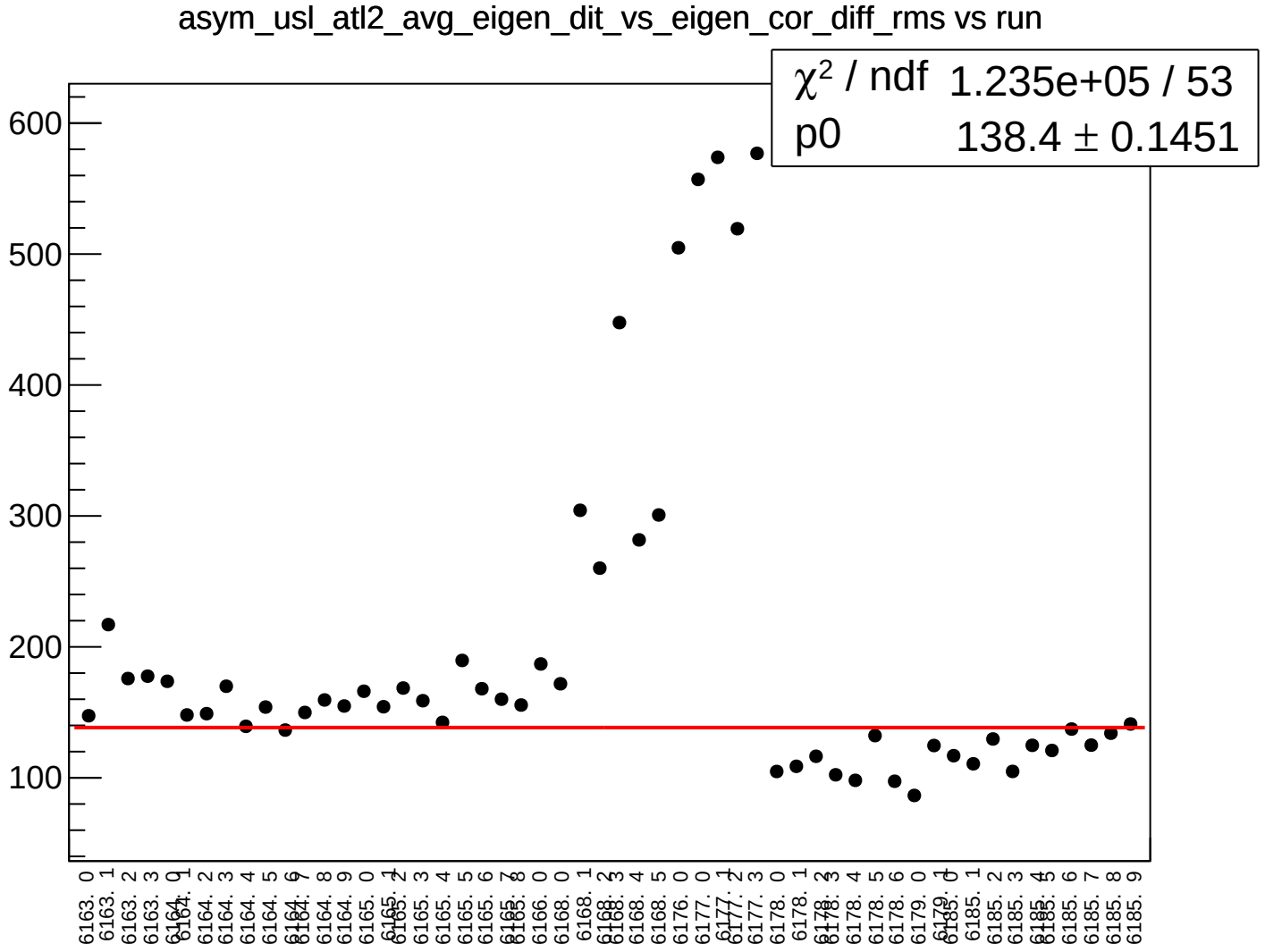

asym_usl_atl2_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.825e+05 / 53
p0 0.01332 ± 1.537e–05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

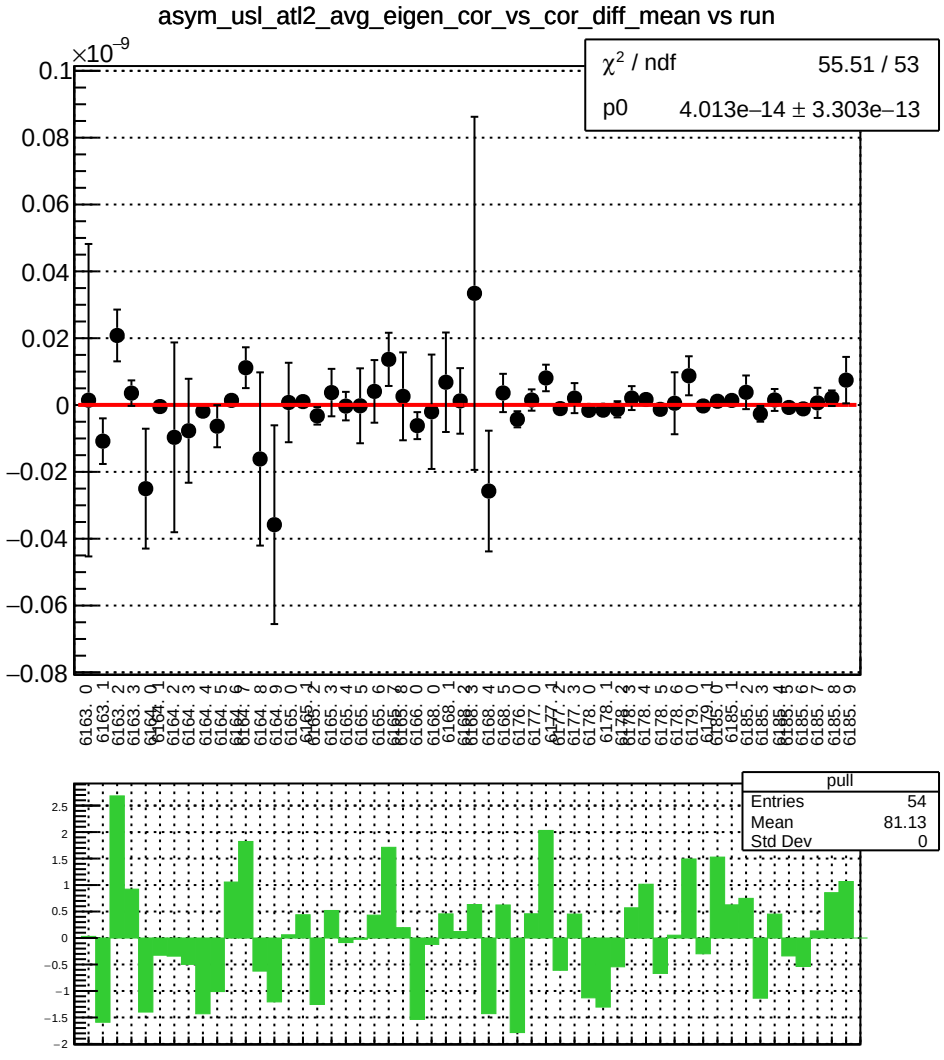

asym_usl_atl2_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 64.34 / 53
p0 −0.174 ± 0.2052
pull
Entries 54
Mean −12.92
Std Dev 0

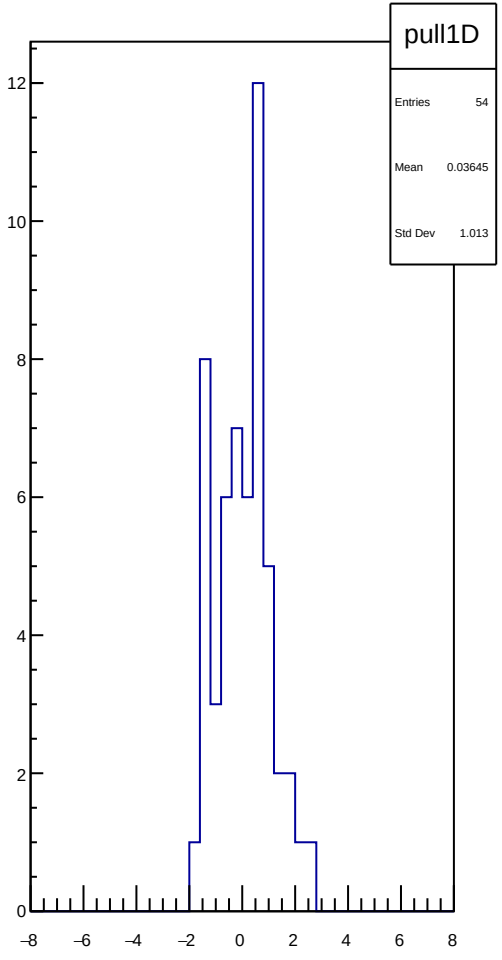

pull1D
Entries 54
Mean 0.04343
Std Dev 1.091

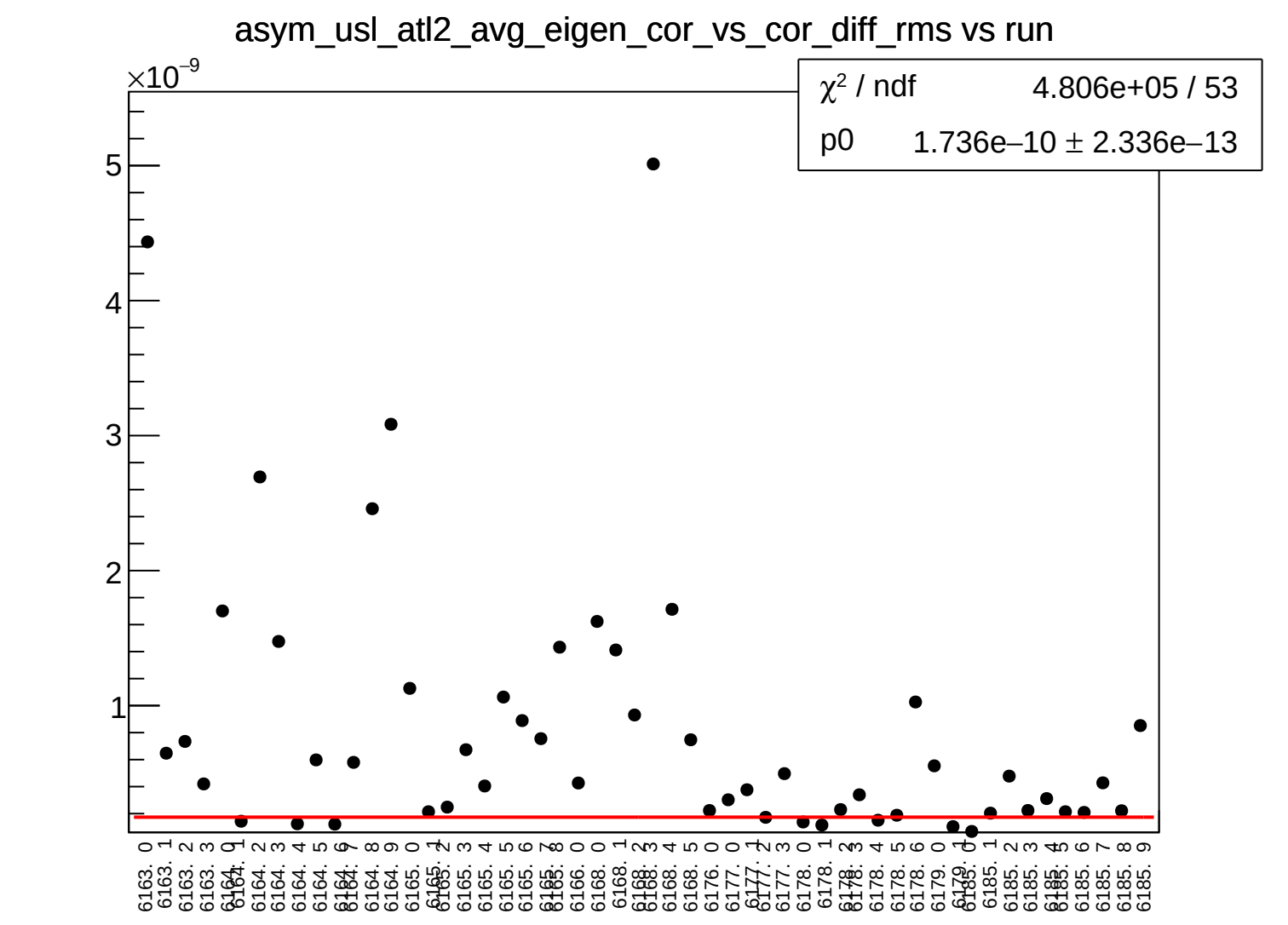

asym_usl_atl2_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.235e+05 / 53
p0 138.4 ± 0.1451
600
500
400
300
200
100
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

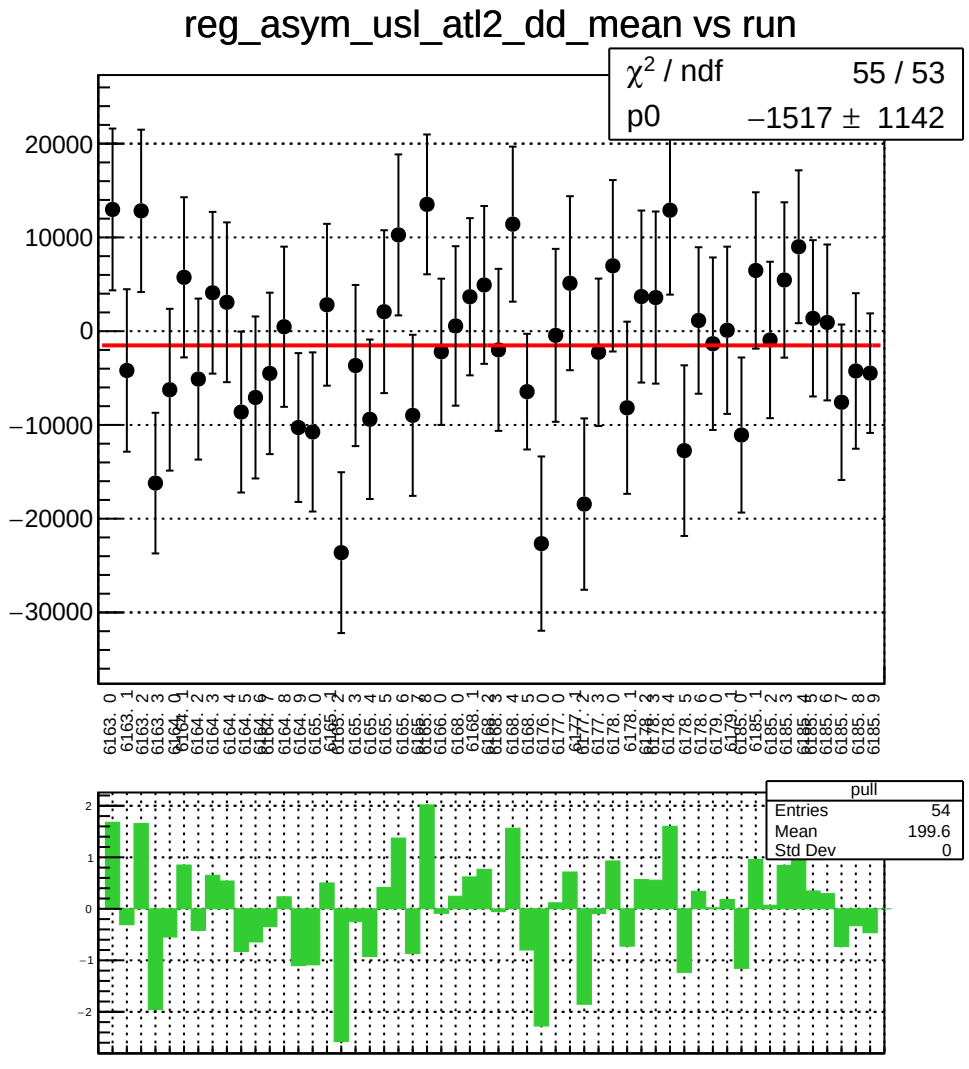

asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 64.34 / 53
p0 −0.174 ± 0.2052
pull
Entries 54
Mean −12.92
Std Dev 0
pull1D
Entries 54
Mean 0.04343
Std Dev 1.091

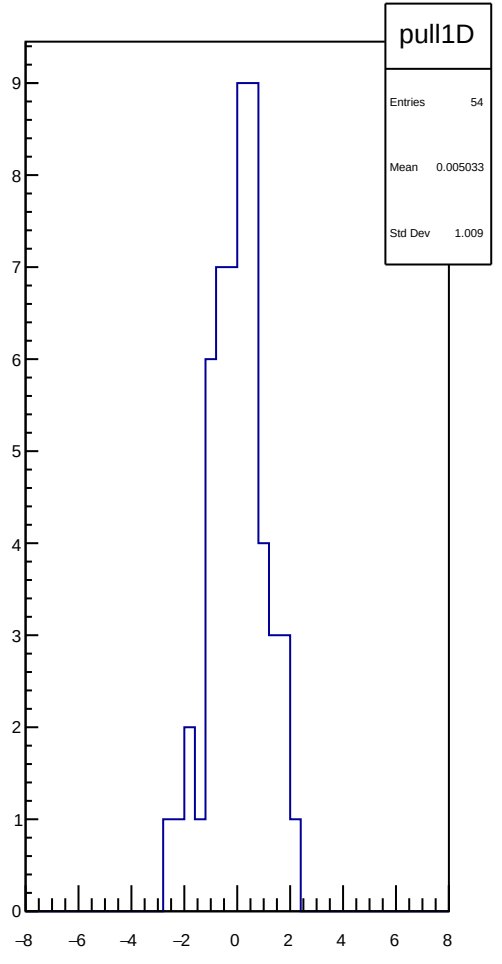

asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.235e+05 / 53
p0 138.4 ± 0.1451
600
500
400
300
200
100
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

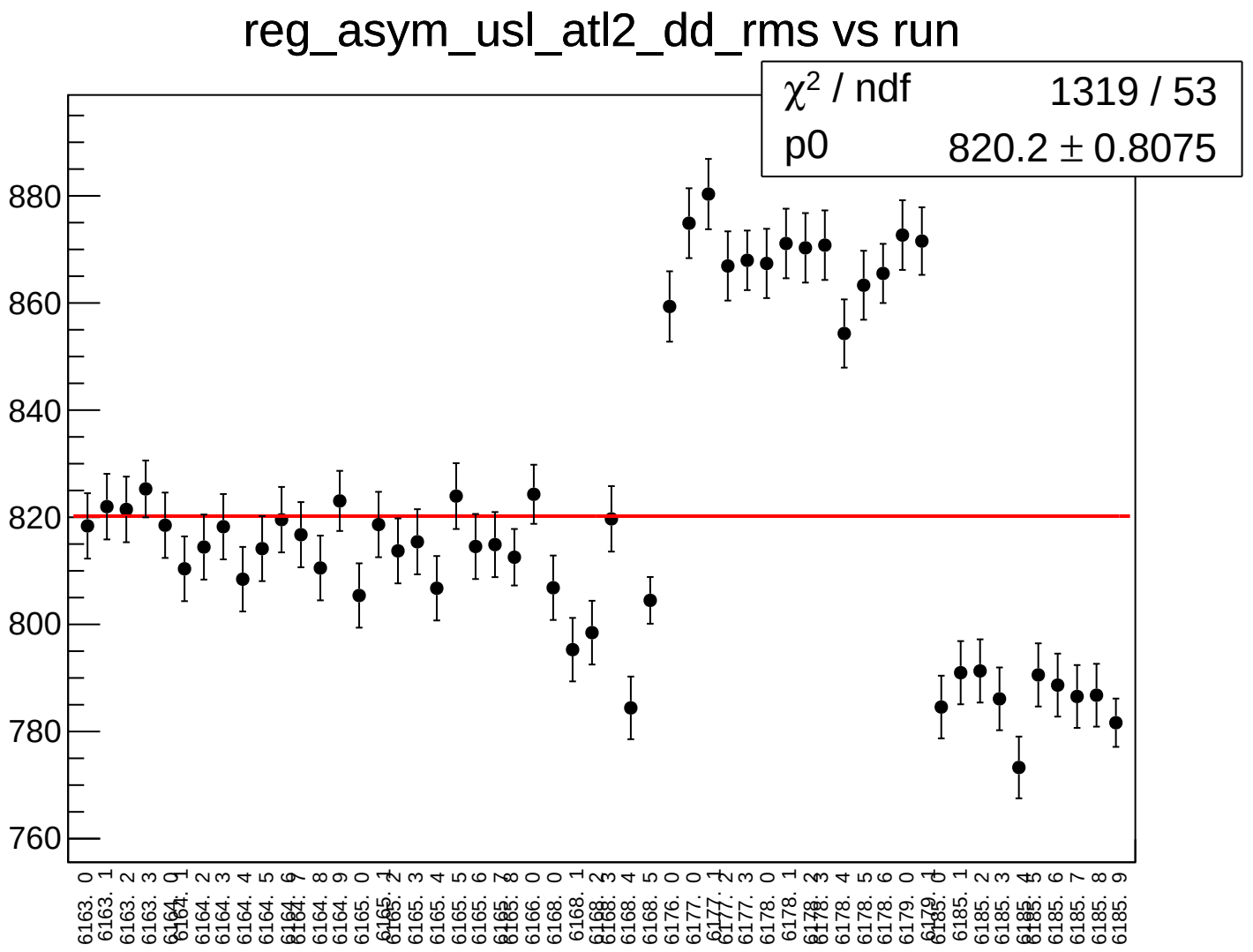

asym_usl_atl2_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻⁹
χ² / ndf 55.51 / 53
p0 4.013e−14 ± 3.303e−13
pull
Entries 54
Mean 81.13
Std Dev 0

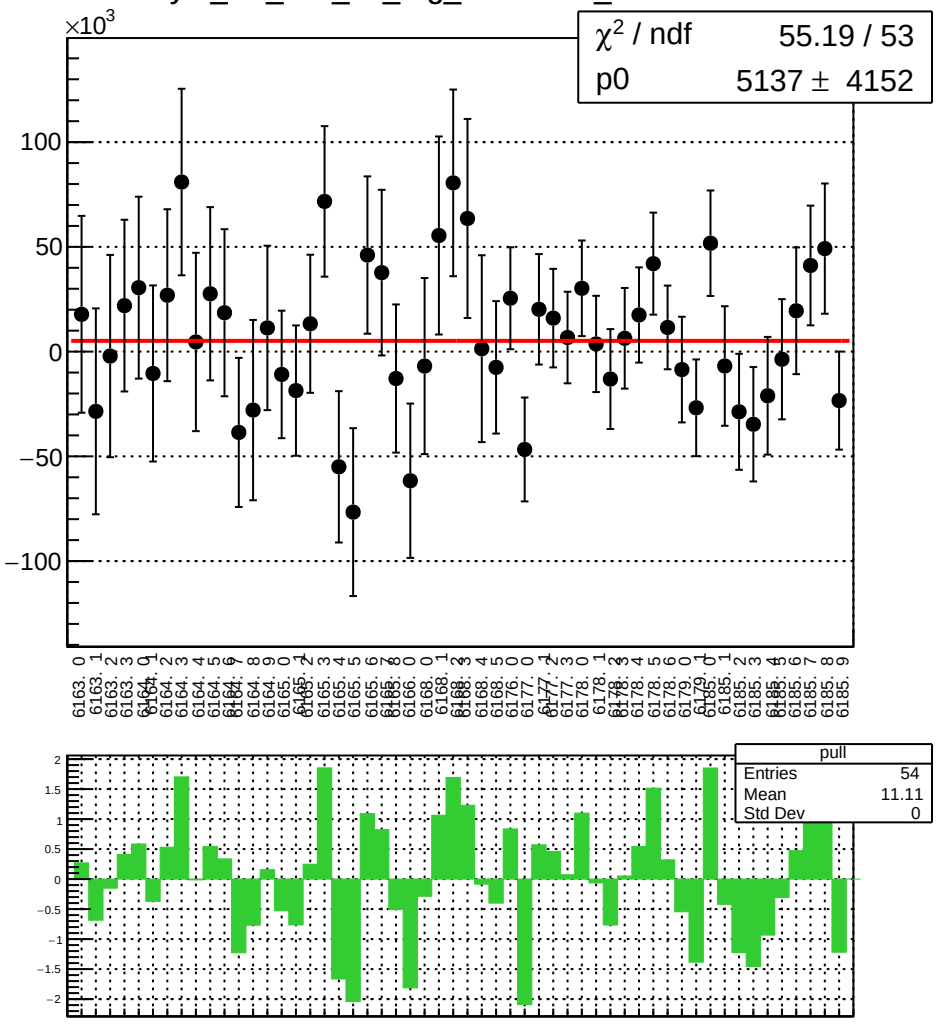

pull1D
Entries 54
Mean 0.03645
Std Dev 1.013

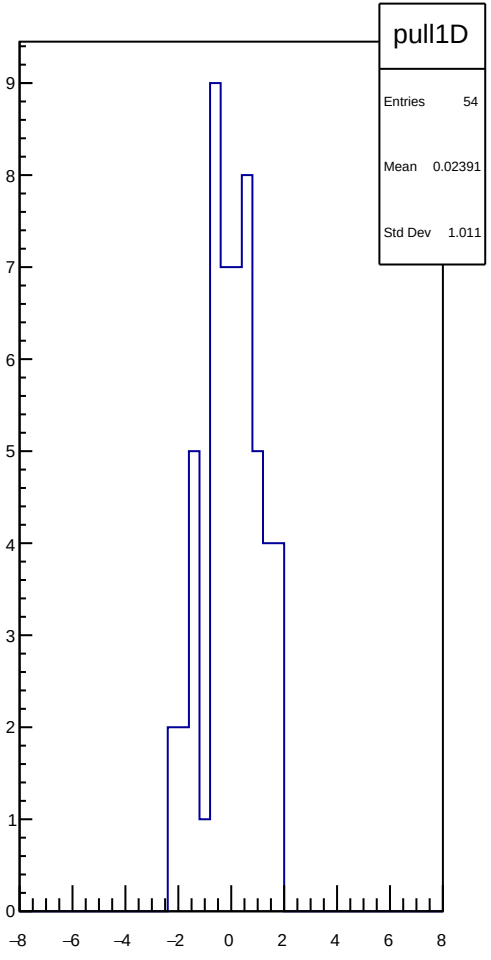

asym_usl_atl2_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.806e+05 / 53
p0 1.736e−10 ± 2.336e−13
5
4
3
2
1
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

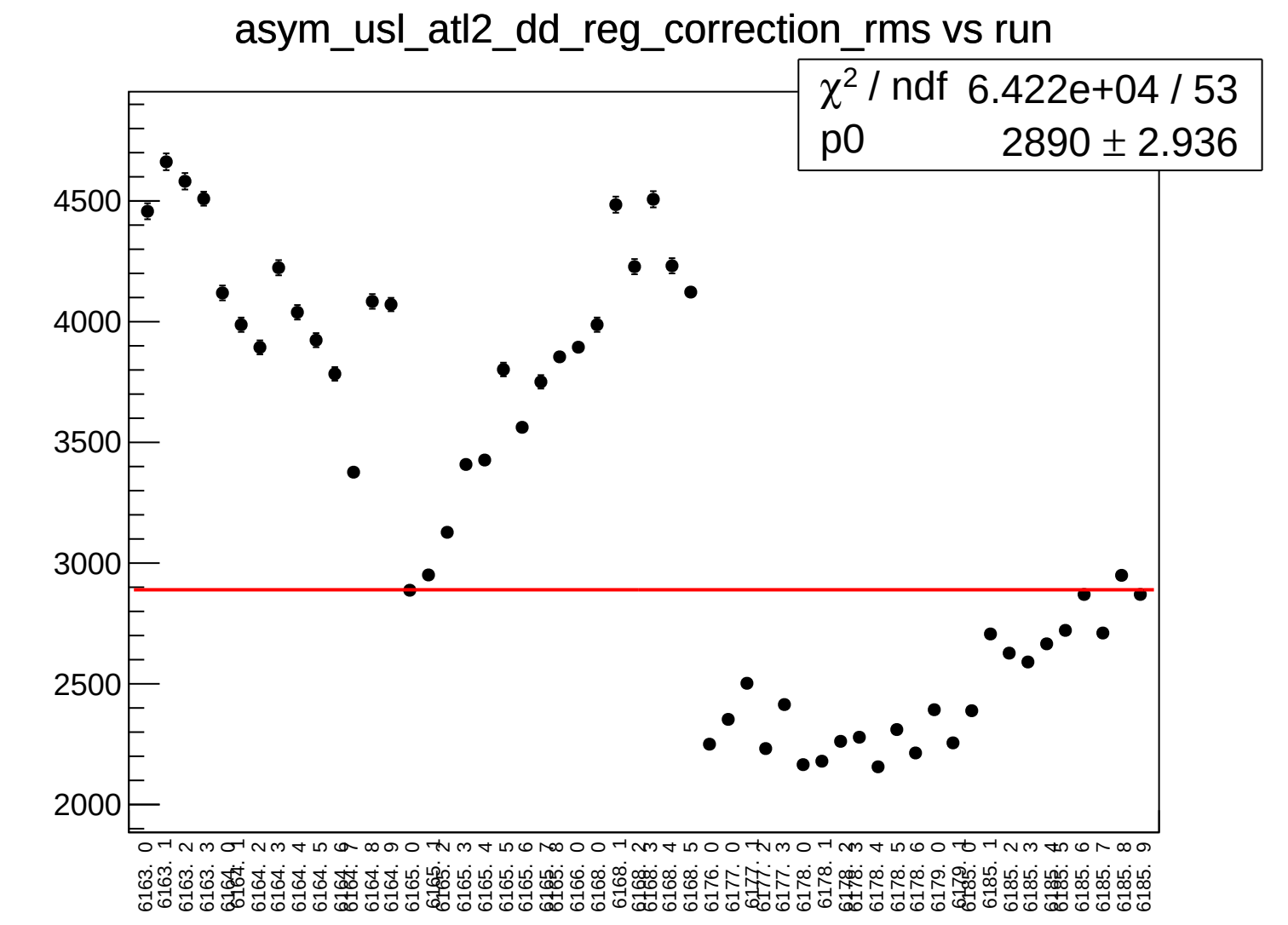

reg_asym_usl_atl2_dd_mean vs run
χ² / ndf 55 / 53
p0 −1517 ± 1142
20000
10000
0
−10000
−20000
−30000
pull
Entries 54
Mean 199.6
Std Dev 0
2
1
0
−1
−2

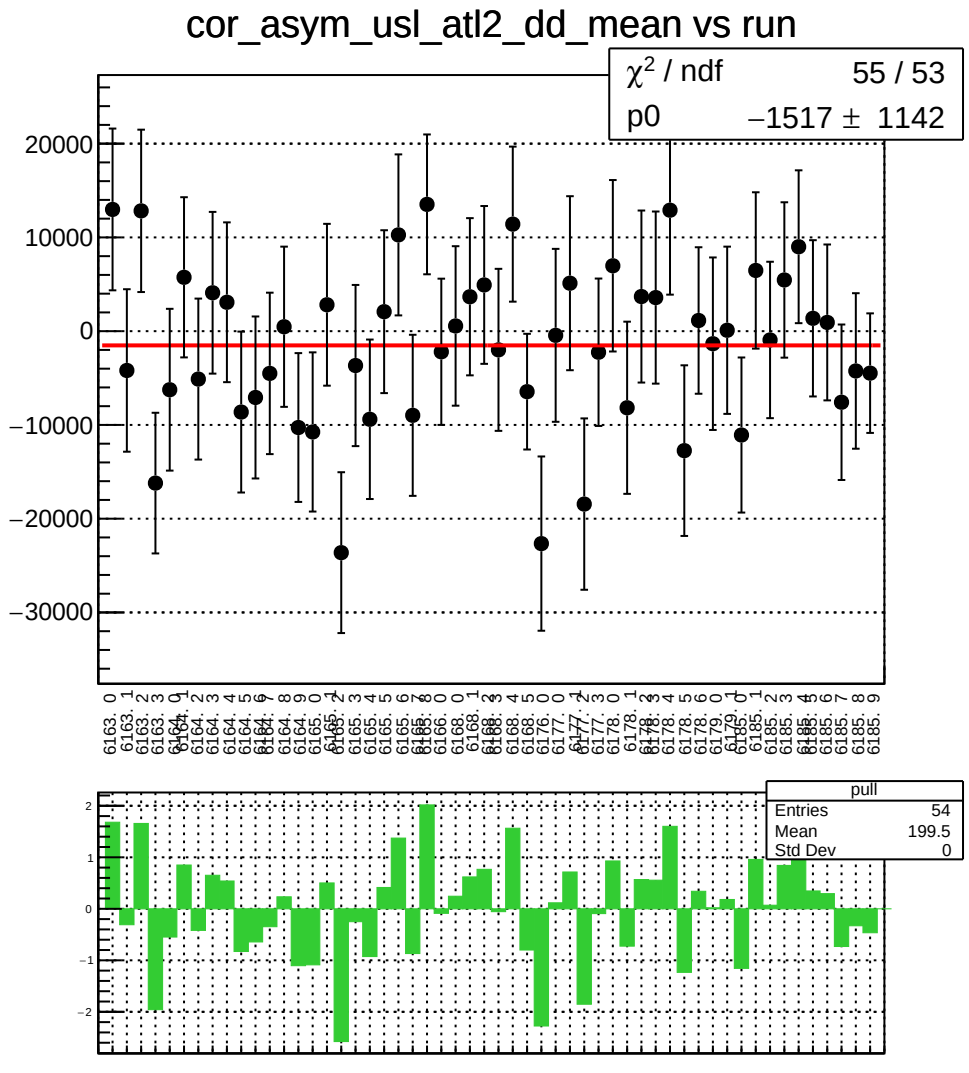

pull1D
Entries 54
Mean 0.005033
Std Dev 1.009
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

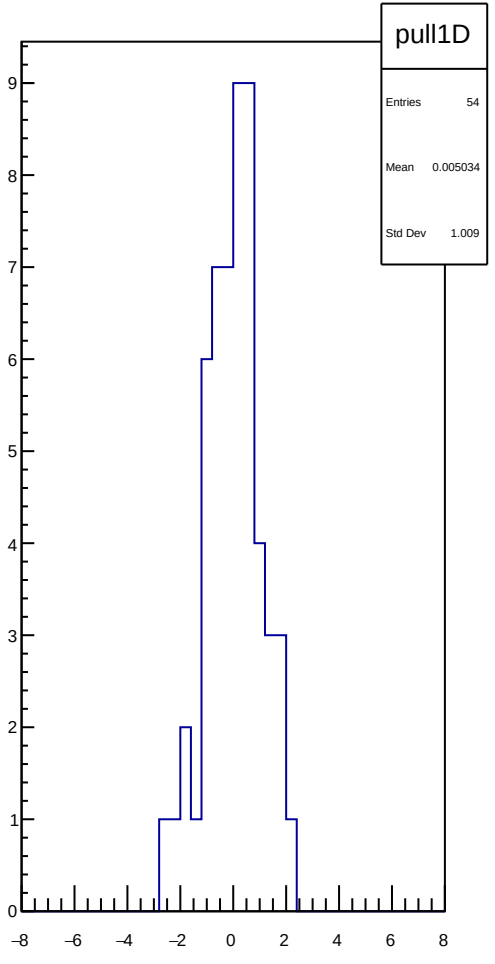

reg_asym_usl_atl2_dd_rms vs run
χ² / ndf 1319 / 53
p0 820.2 ± 0.8075
880
860
840
820
800
780
760
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

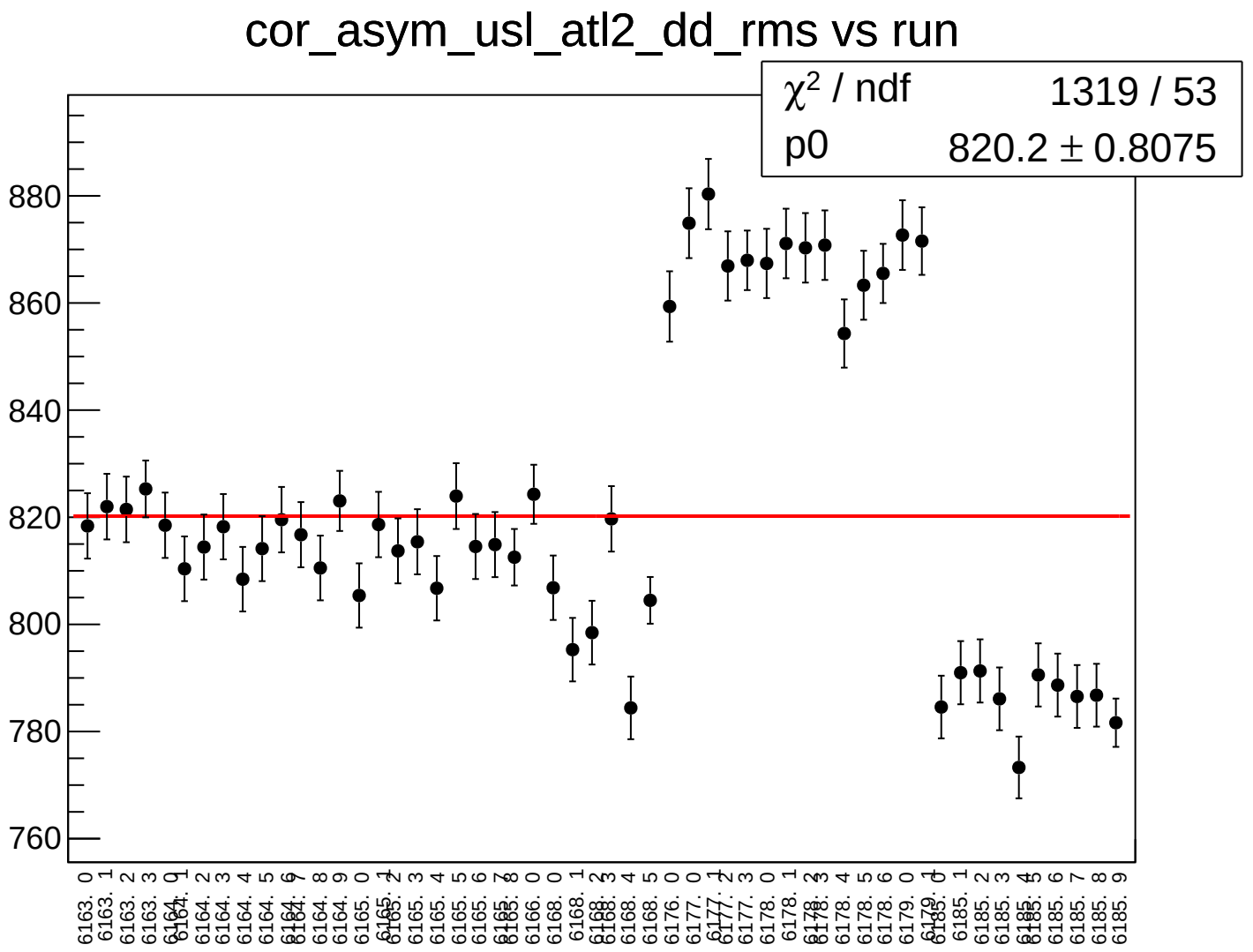

asym_usl_atl2_dd_reg_correction_mean vs run
×10^3
χ² / ndf 55.19 / 53
p0 5137 ± 4152
100
50
0
−50
−100
pull
Entries 54
Mean 11.11
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

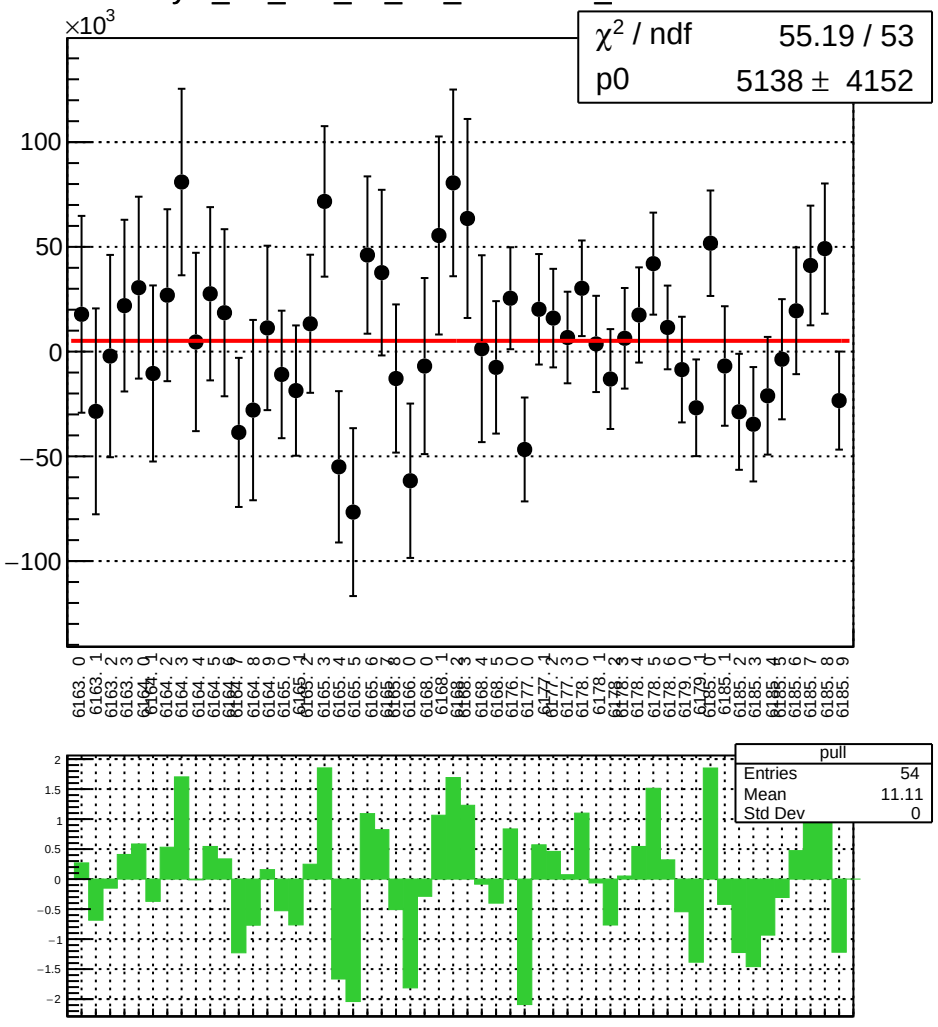

pull1D
Entries 54
Mean 0.02391
Std Dev 1.011
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

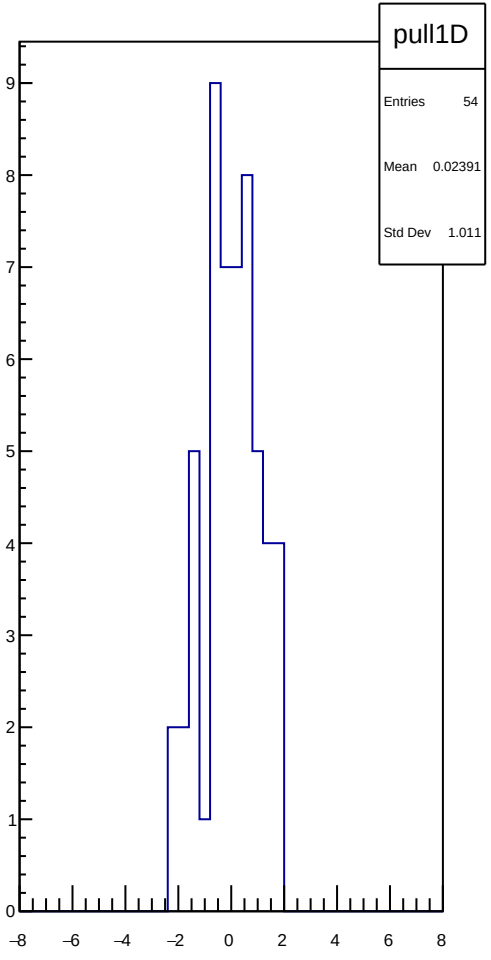

asym_usl_atl2_dd_reg_correction_rms vs run
χ² / ndf 6.422e+04 / 53
p0 2890 ± 2.936
4500
4000
3500
3000
2500
2000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

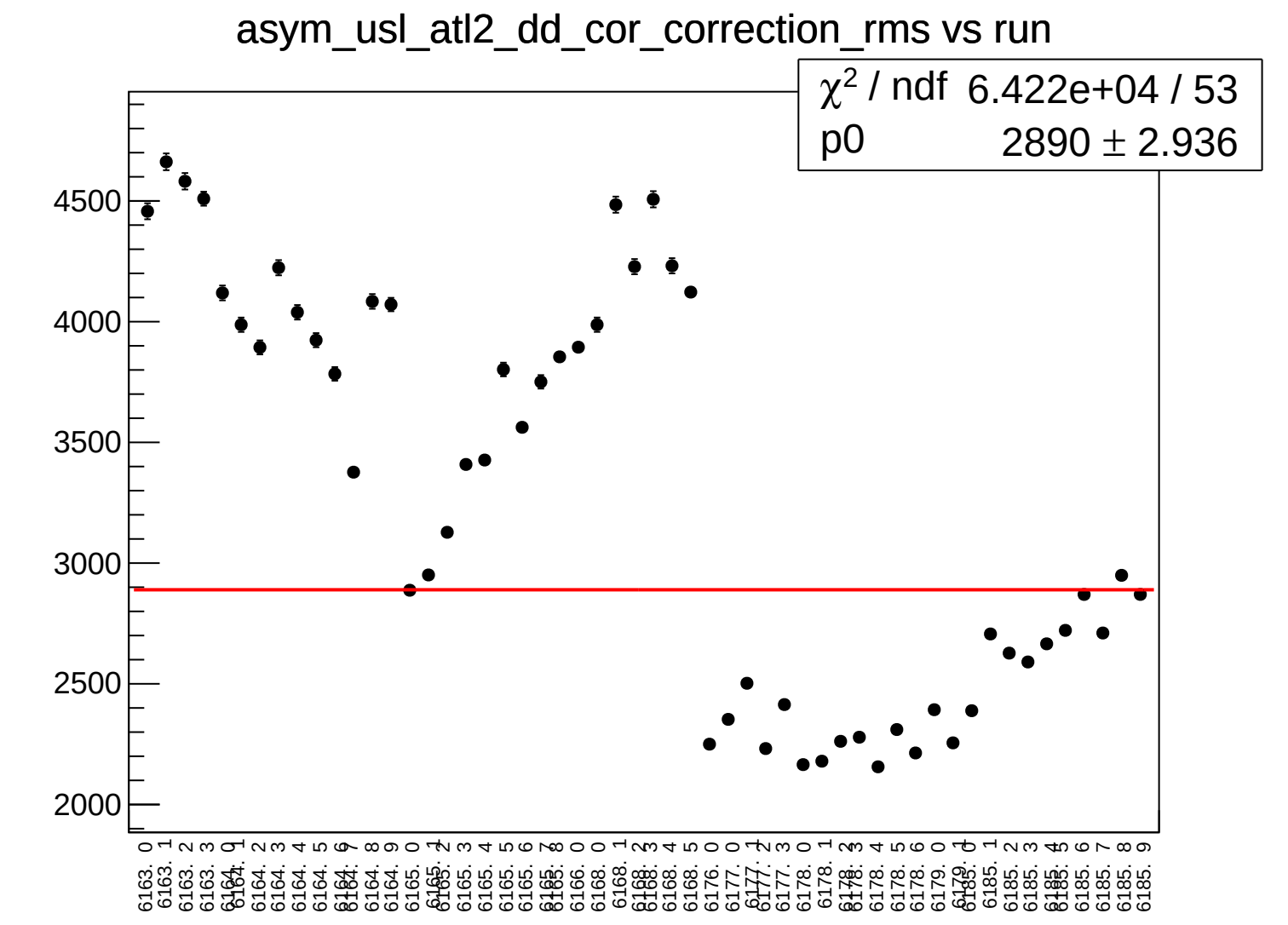

cor_asym_usl_atl2_dd_mean vs run
χ² / ndf 55 / 53
p0 −1517 ± 1142
20000
10000
0
−10000
−20000
−30000
pull
Entries 54
Mean 199.5
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 54
Mean 0.005034
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_usl_atl2_dd_rms vs run
χ² / ndf 1319 / 53
p0 820.2 ± 0.8075
880
860
840
820
800
780
760
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


asym_usl_atl2_dd_cor_correction_mean vs run
×10^3
χ² / ndf 55.19 / 53
p0 5138 ± 4152
100
50
0
−50
−100
pull
Entries 54
Mean 11.11
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 54
Mean 0.02391
Std Dev 1.011
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_usl_atl2_dd_cor_correction_rms vs run
χ² / ndf 6.422e+04 / 53
p0 2890 ± 2.936
4500
4000
3500
3000
2500
2000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
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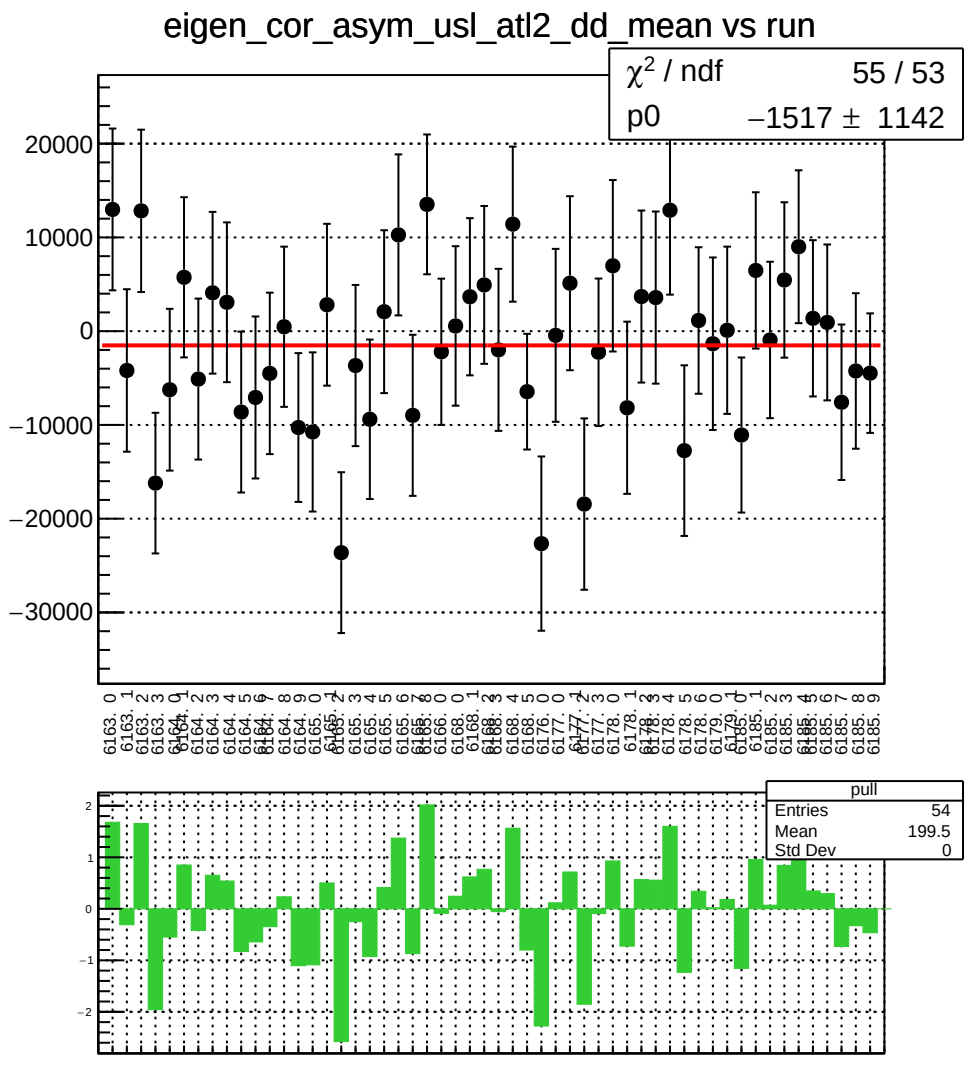
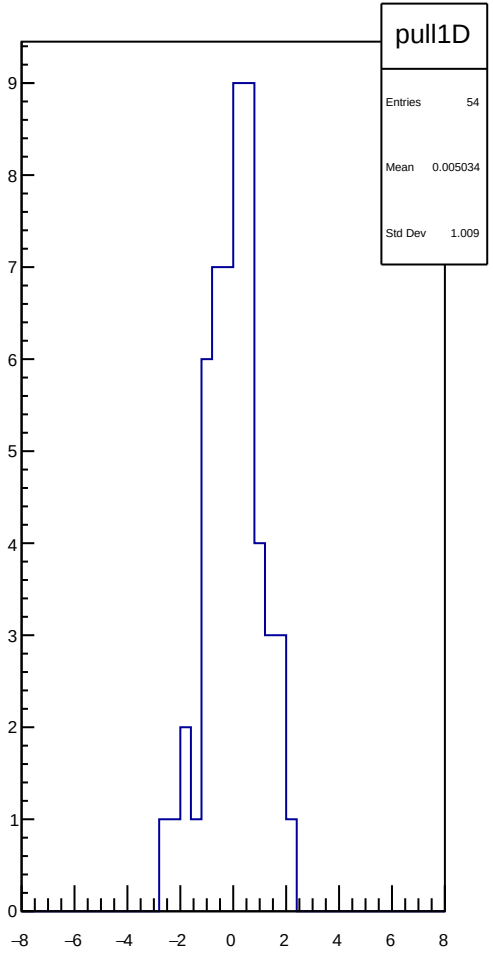
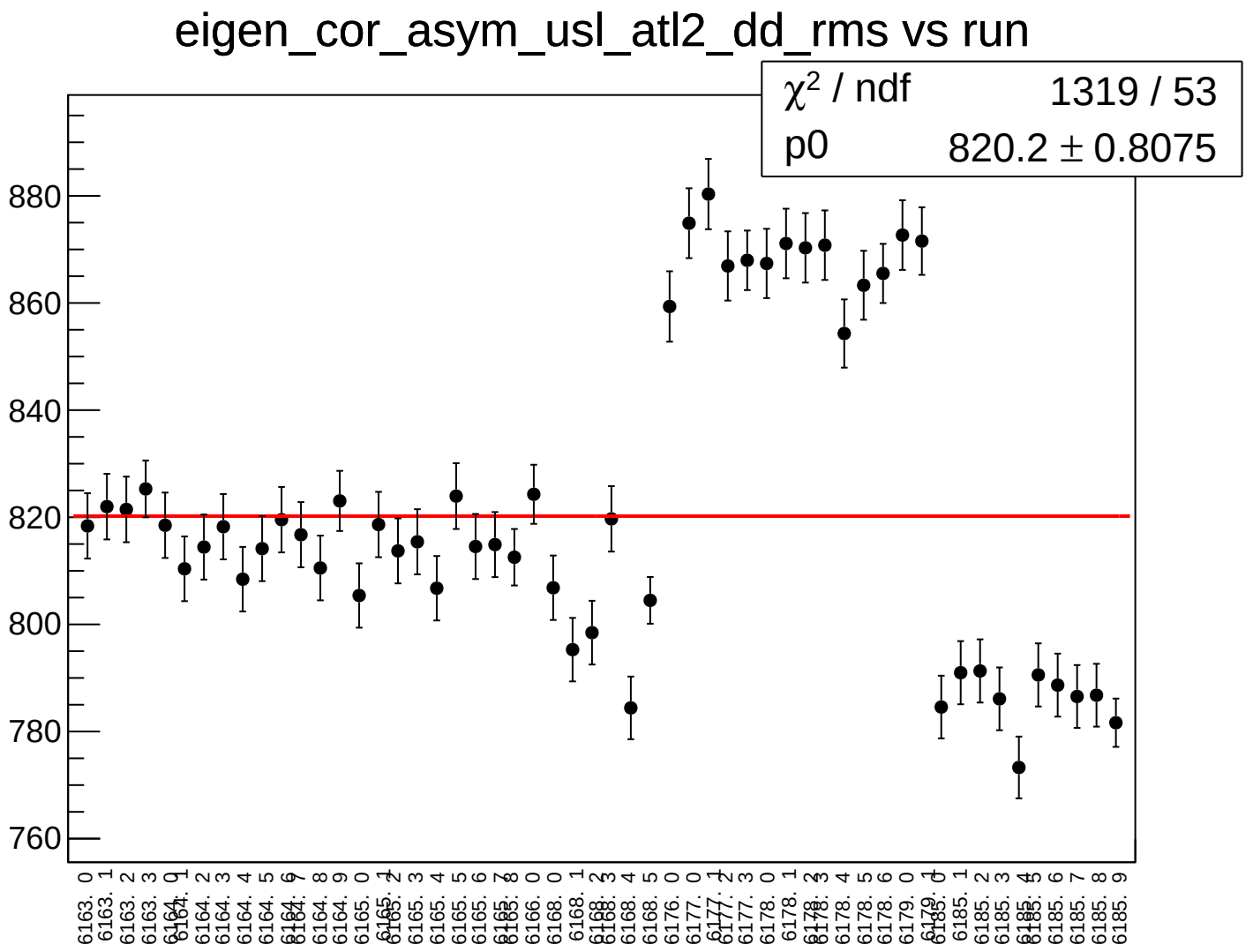
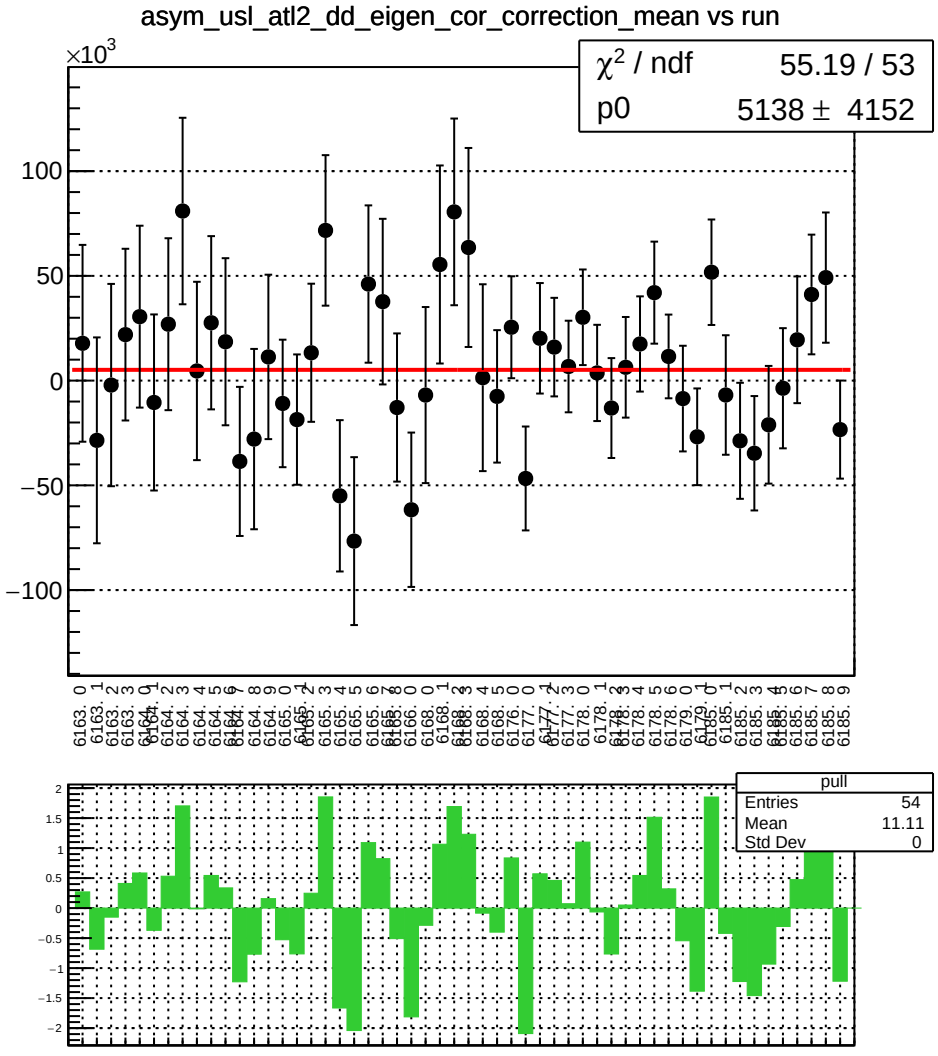
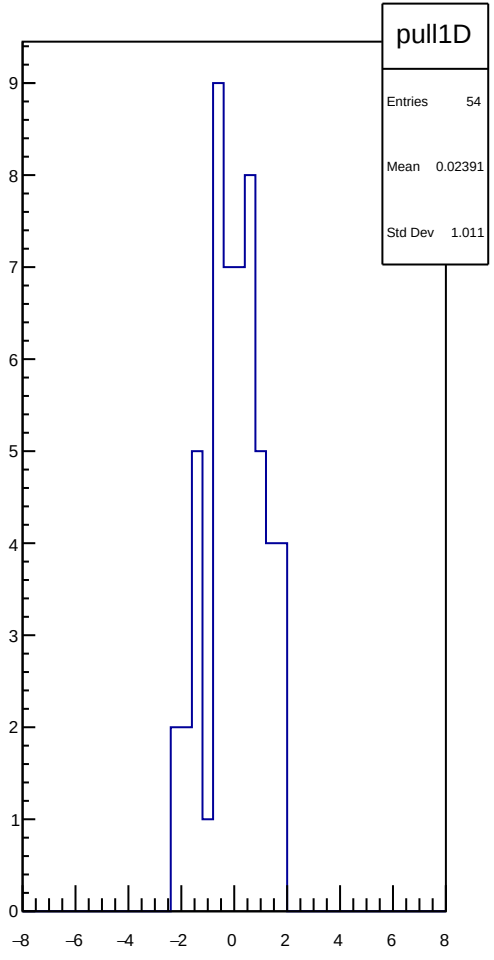
6185. 8
6185. 9


eigen_cor_asym_usl_atl2_dd_mean vs run
χ² / ndf 55 / 53
p0 −1517 ± 1142
pull
Entries 54
Mean 199.5
Std Dev 0


pull1D
Entries 54
Mean 0.005034
Std Dev 1.009


eigen_cor_asym_usl_atl2_dd_rms vs run
χ² / ndf 1319 / 53
p0 820.2 ± 0.8075
880
860
840
820
800
780
760
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


asym_usl_atl2_dd_eigen_cor_correction_mean vs run
×10^3
χ^2 / ndf 55.19 / 53
p0 5138 ± 4152
100
50
0
−50
−100
pull
Entries 54
Mean 11.11
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 54
Mean 0.02391
Std Dev 1.011
9
8
7
6
5
4
3
2
1
0
−8
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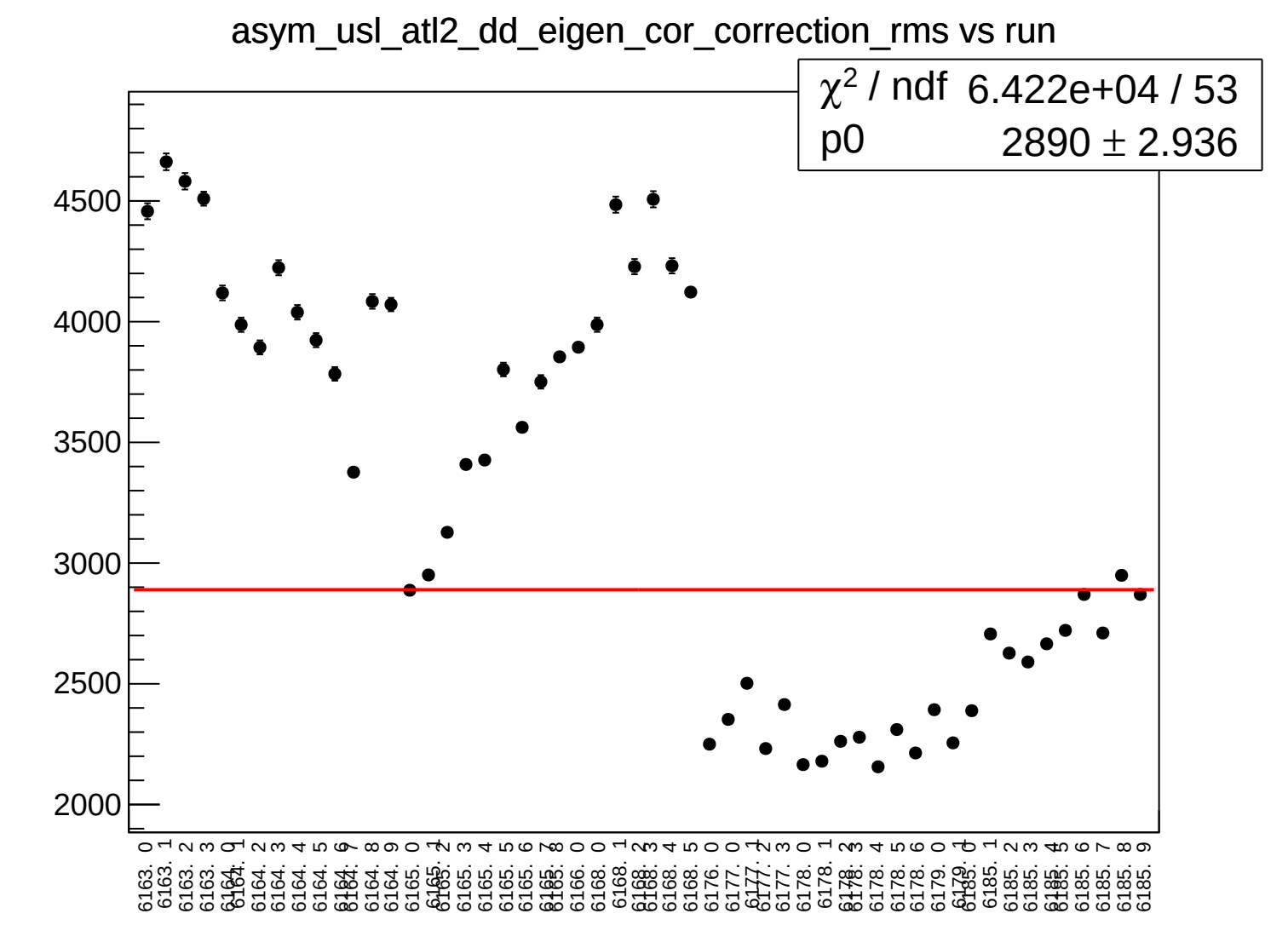
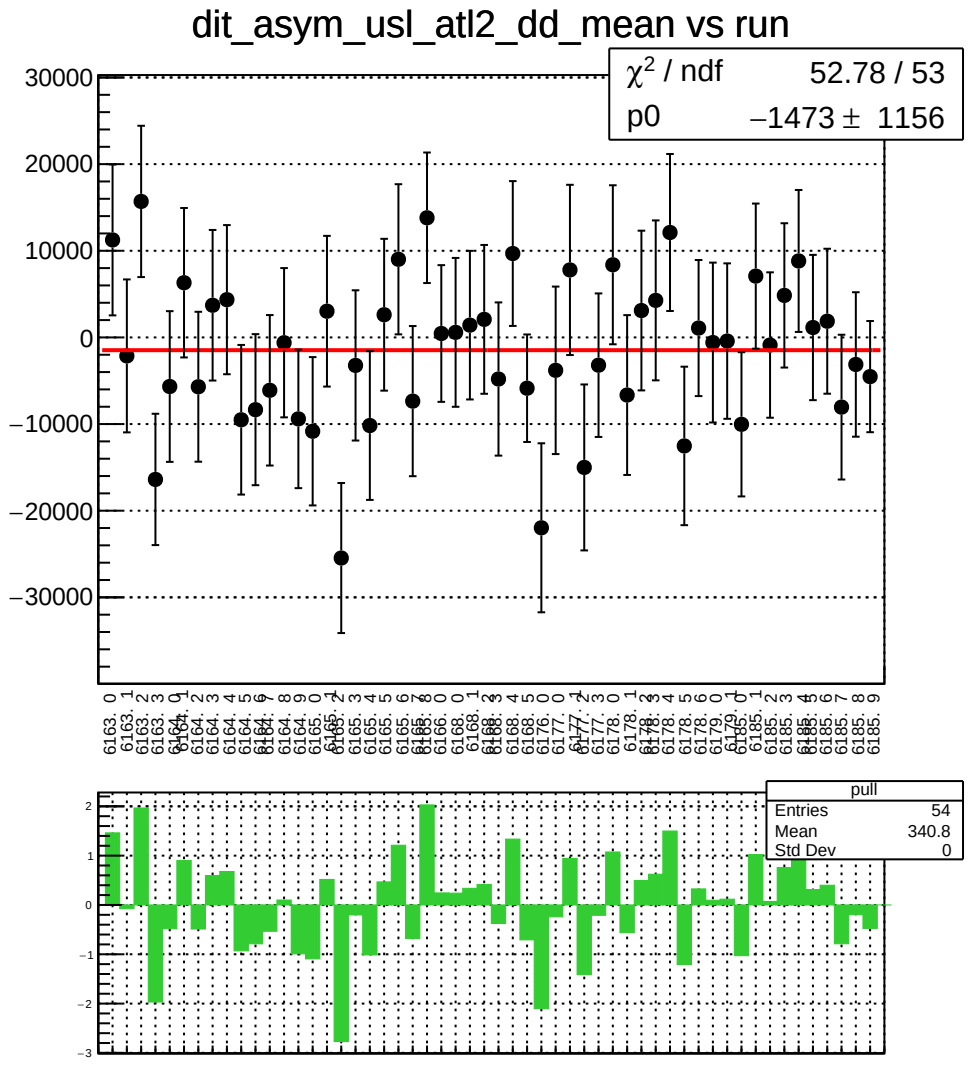
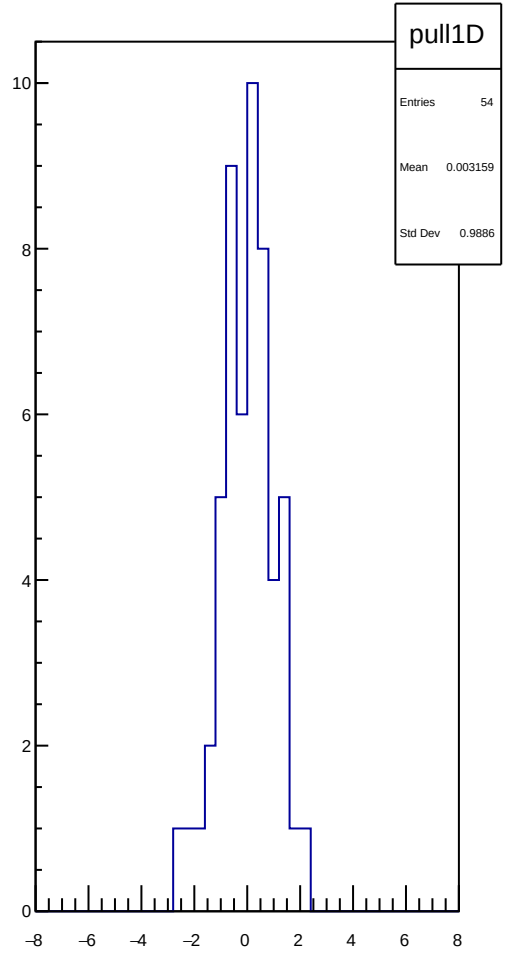
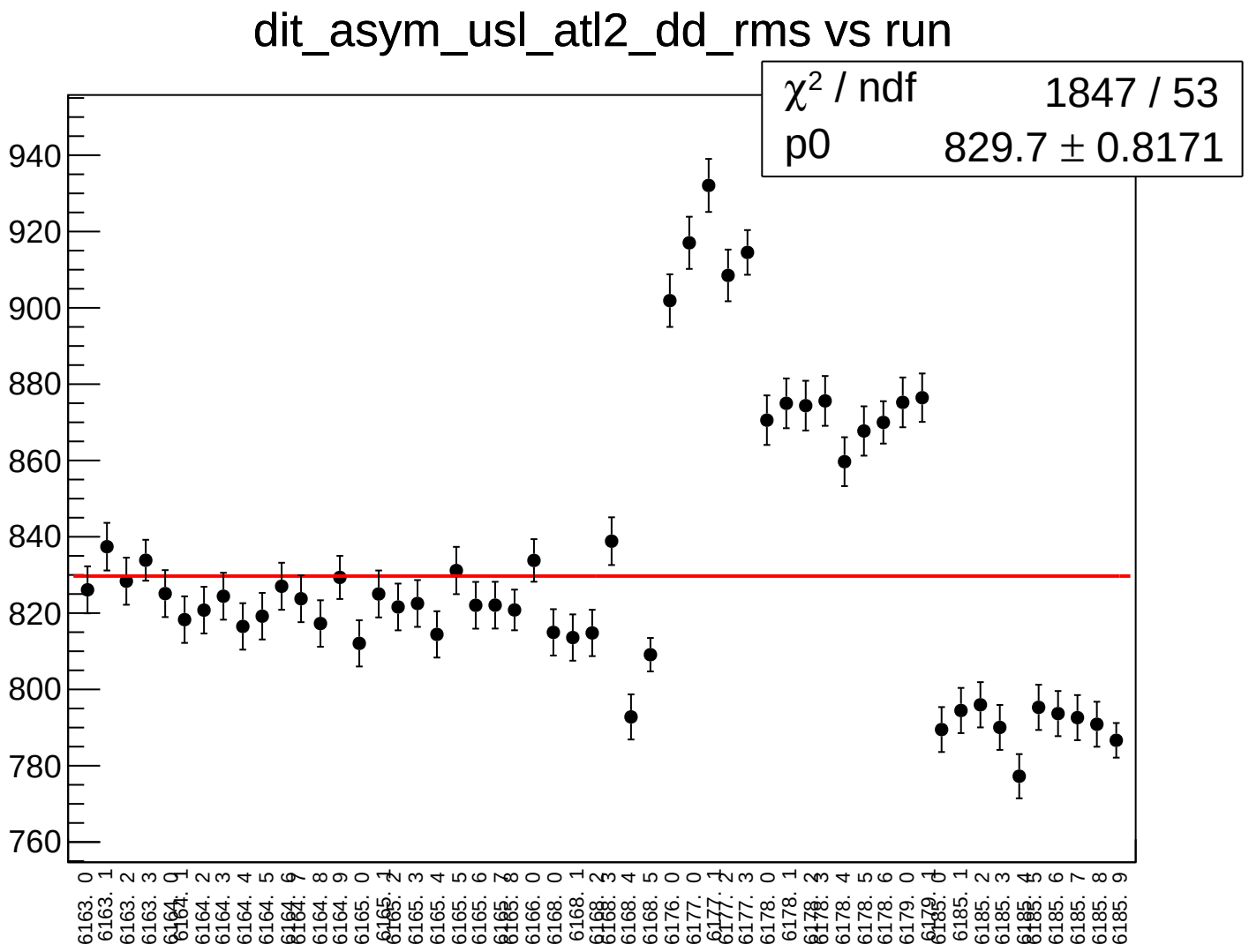
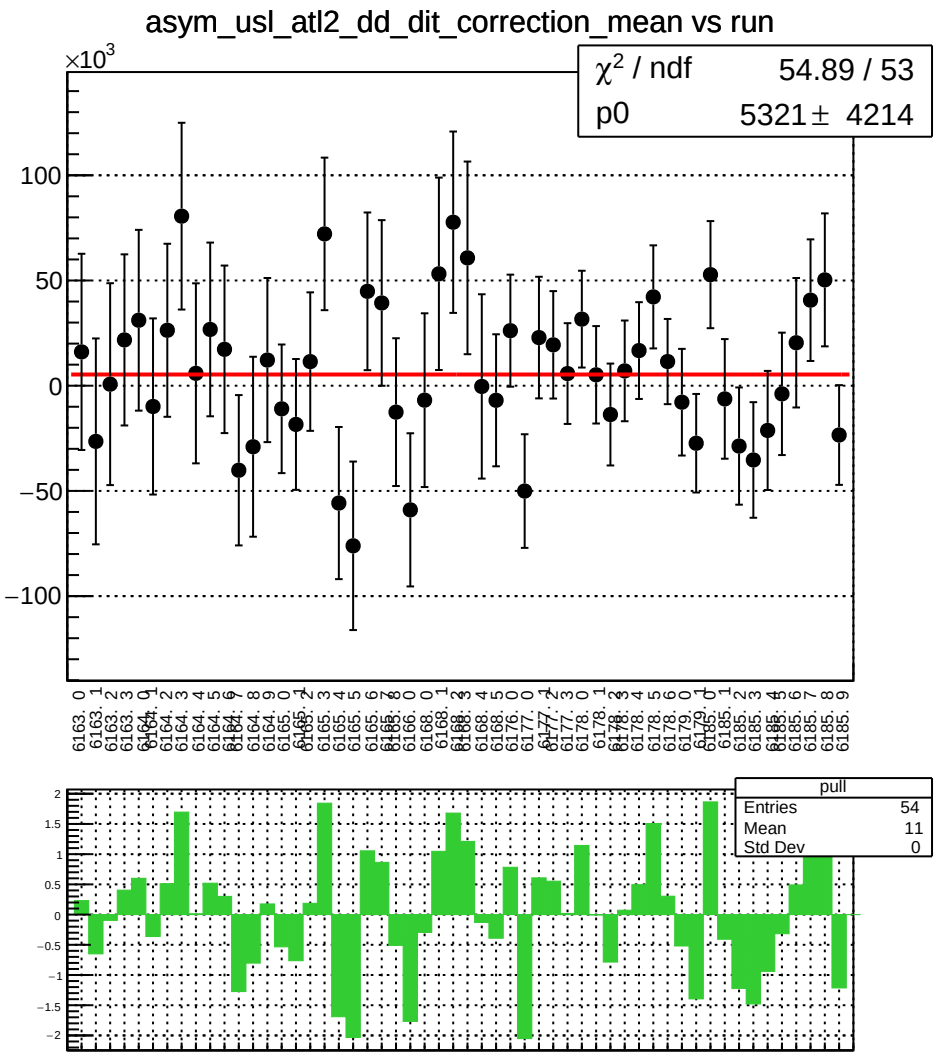
−4
−2
0
2
4
6
8

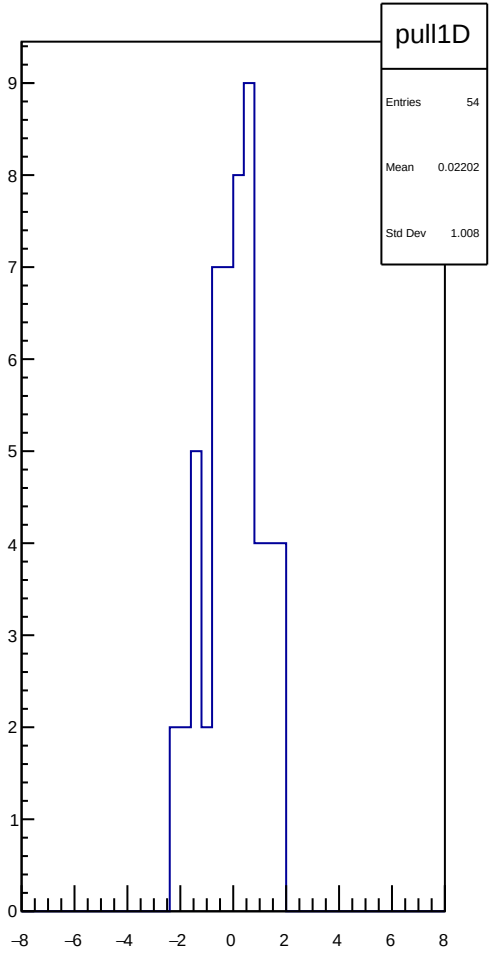

asym_usl_atl2_dd_eigen_cor_correction_rms vs run
χ² / ndf 6.422e+04 / 53
p0 2890 ± 2.936
4500
4000
3500
3000
2500
2000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

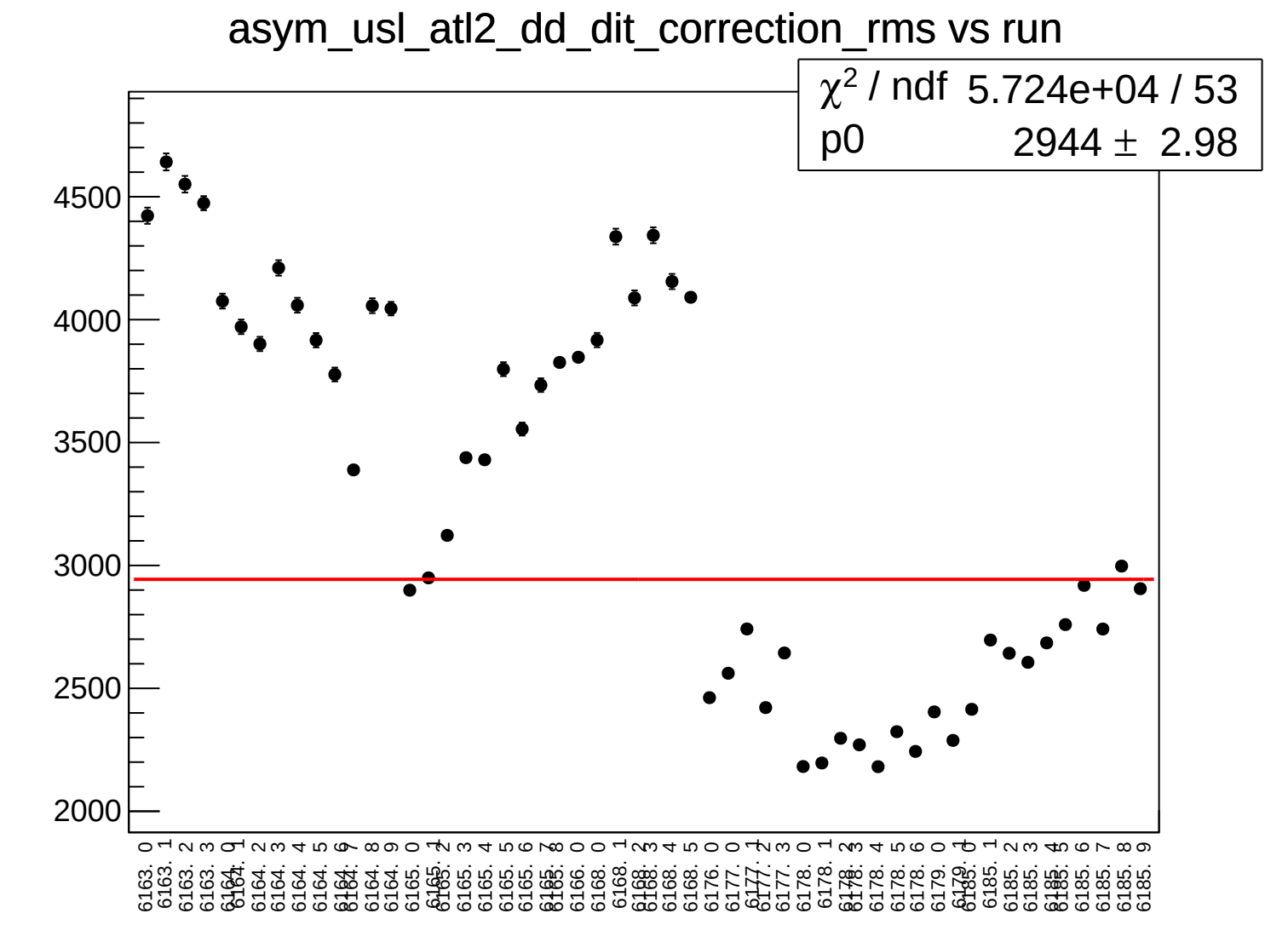

dit_asym_usl_atl2_dd_mean vs run
χ² / ndf 52.78 / 53
p0 −1473 ± 1156
pull
Entries 54
Mean 340.8
Std Dev 0

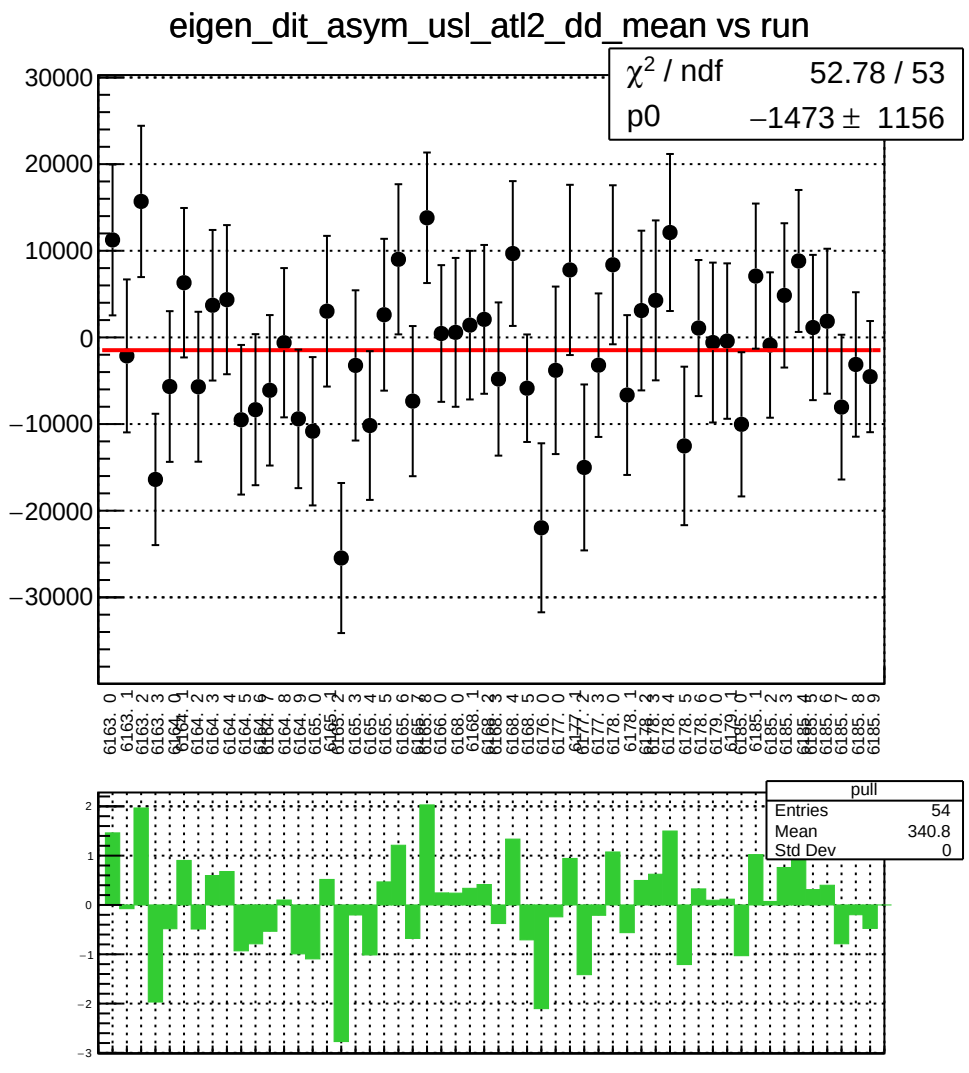

pull1D
Entries 54
Mean 0.003159
Std Dev 0.9886

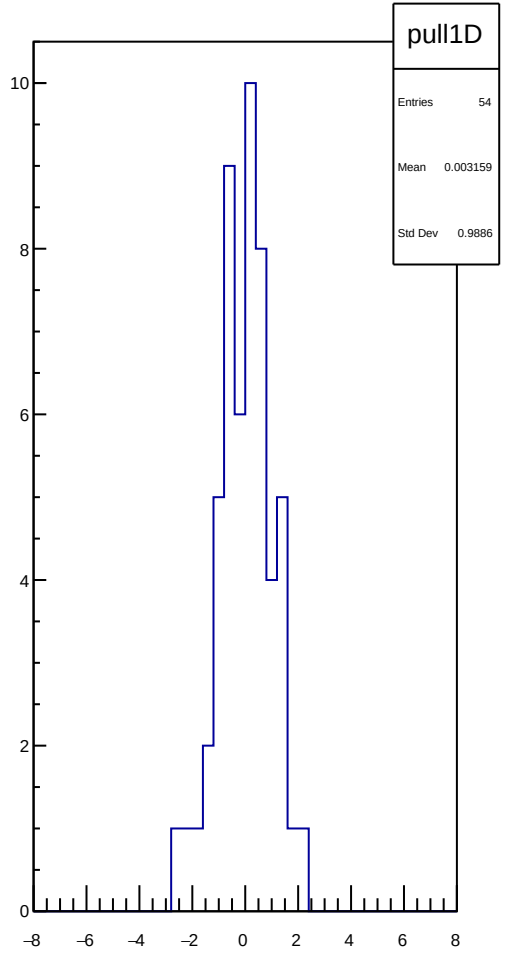

dit_asym_usl_atl2_dd_rms vs run
χ² / ndf 1847 / 53
p0 829.7 ± 0.8171
940
920
900
880
860
840
820
800
780
760
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 5
6185. 6
6185. 7
6185. 8
6185. 9

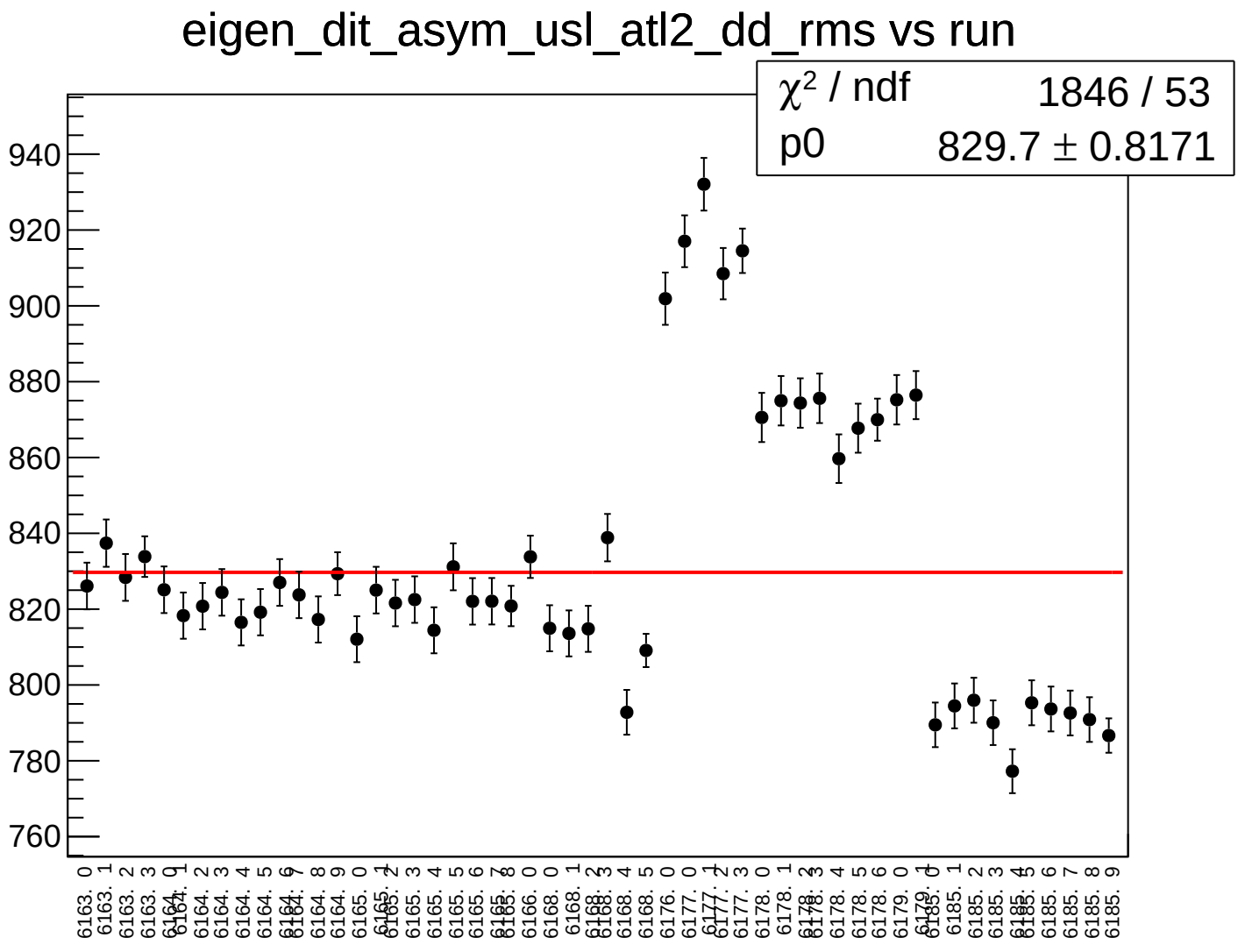

asym_usl_atl2_dd_dit_correction_mean vs run
χ² / ndf 54.89 / 53
p0 5321 ± 4214
pull
Entries 54
Mean 11
Std Dev 0

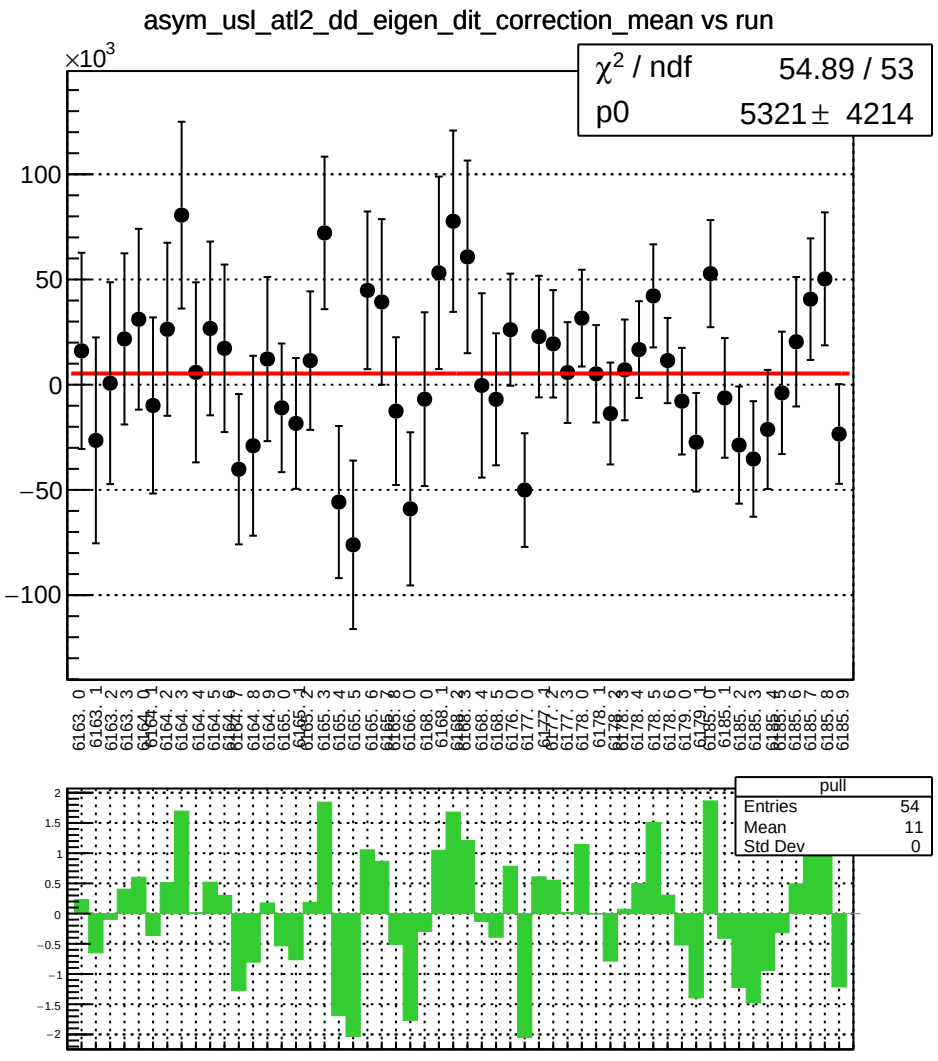

pull1D
Entries 54
Mean 0.02202
Std Dev 1.008

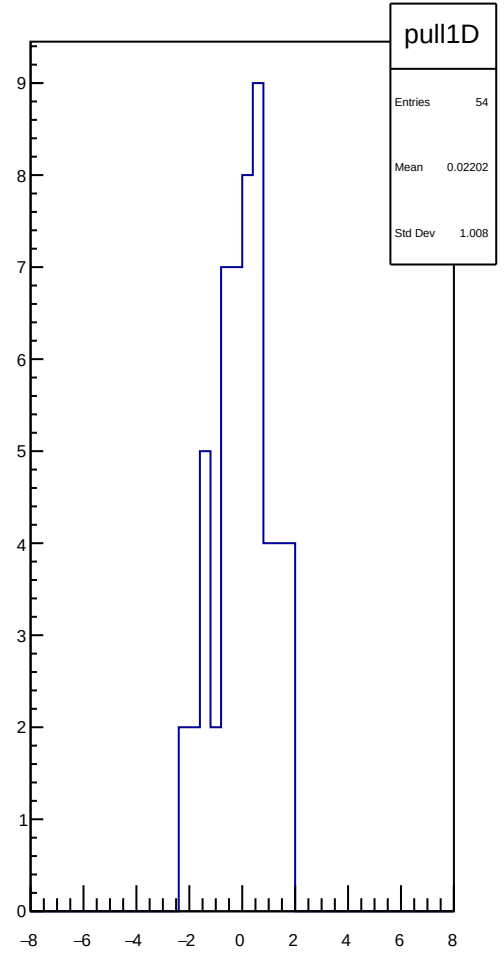

asym_usl_atl2_dd_dit_correction_rms vs run
χ² / ndf 5.724e+04 / 53
p0 2944 ± 2.98
4500
4000
3500
3000
2500
2000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

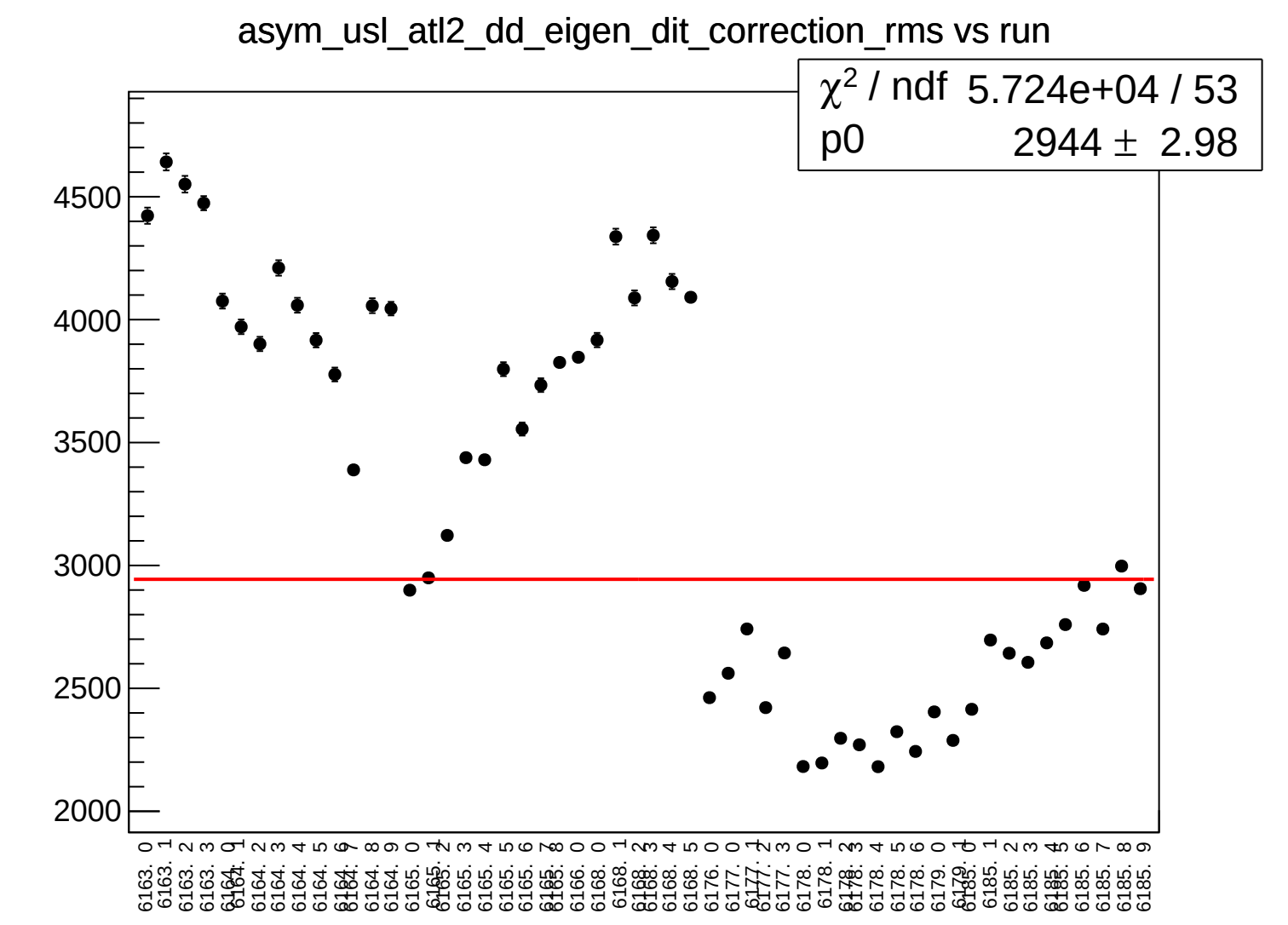

eigen_dit_asym_usl_atl2_dd_mean vs run
χ² / ndf 52.78 / 53
p0 −1473 ± 1156
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 54
Mean 340.8
Std Dev 0
2
1
0
−1
−2
−3

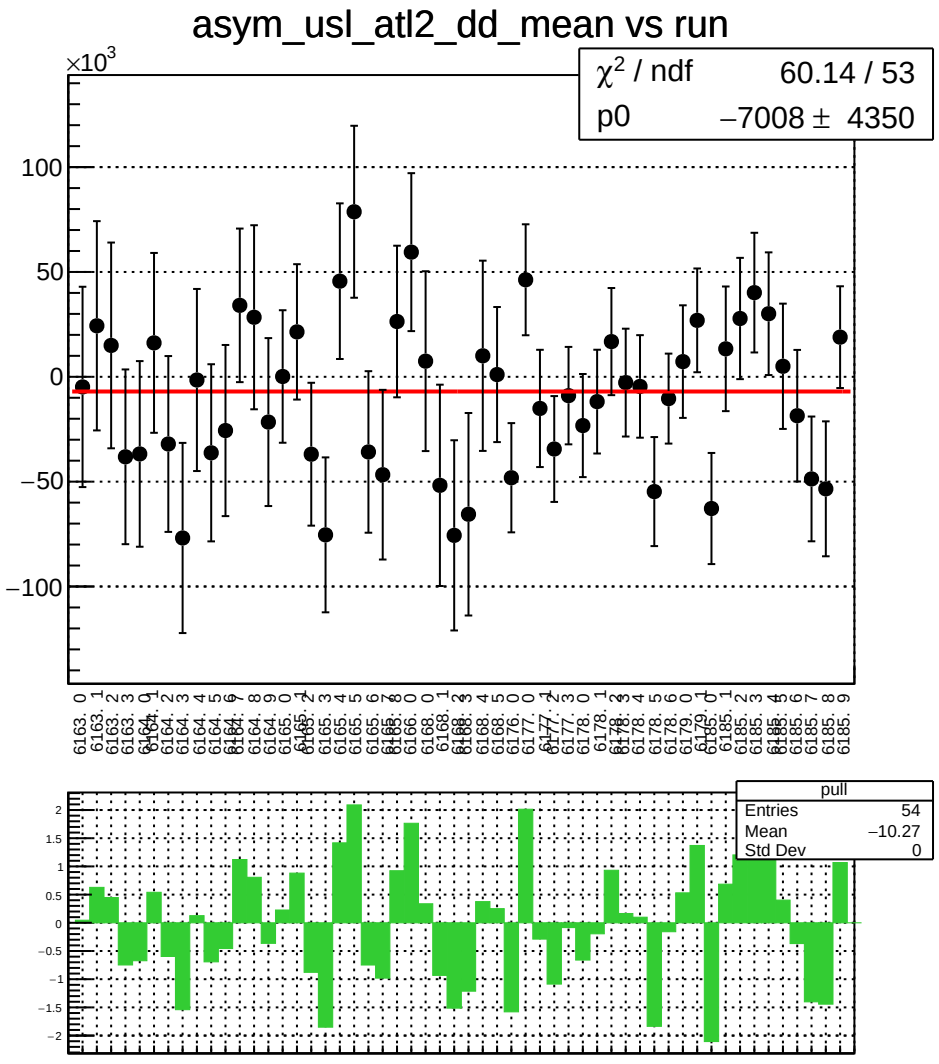

pull1D
Entries 54
Mean 0.003159
Std Dev 0.9886
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

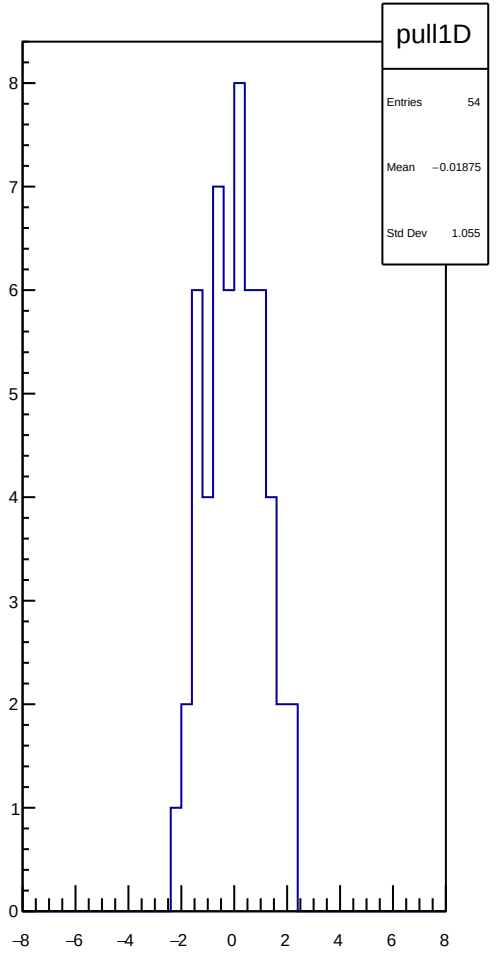

eigen_dit_asym_usl_atl2_dd_rms vs run
χ² / ndf 1846 / 53
p0 829.7 ± 0.8171
940
920
900
880
860
840
820
800
780
760
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

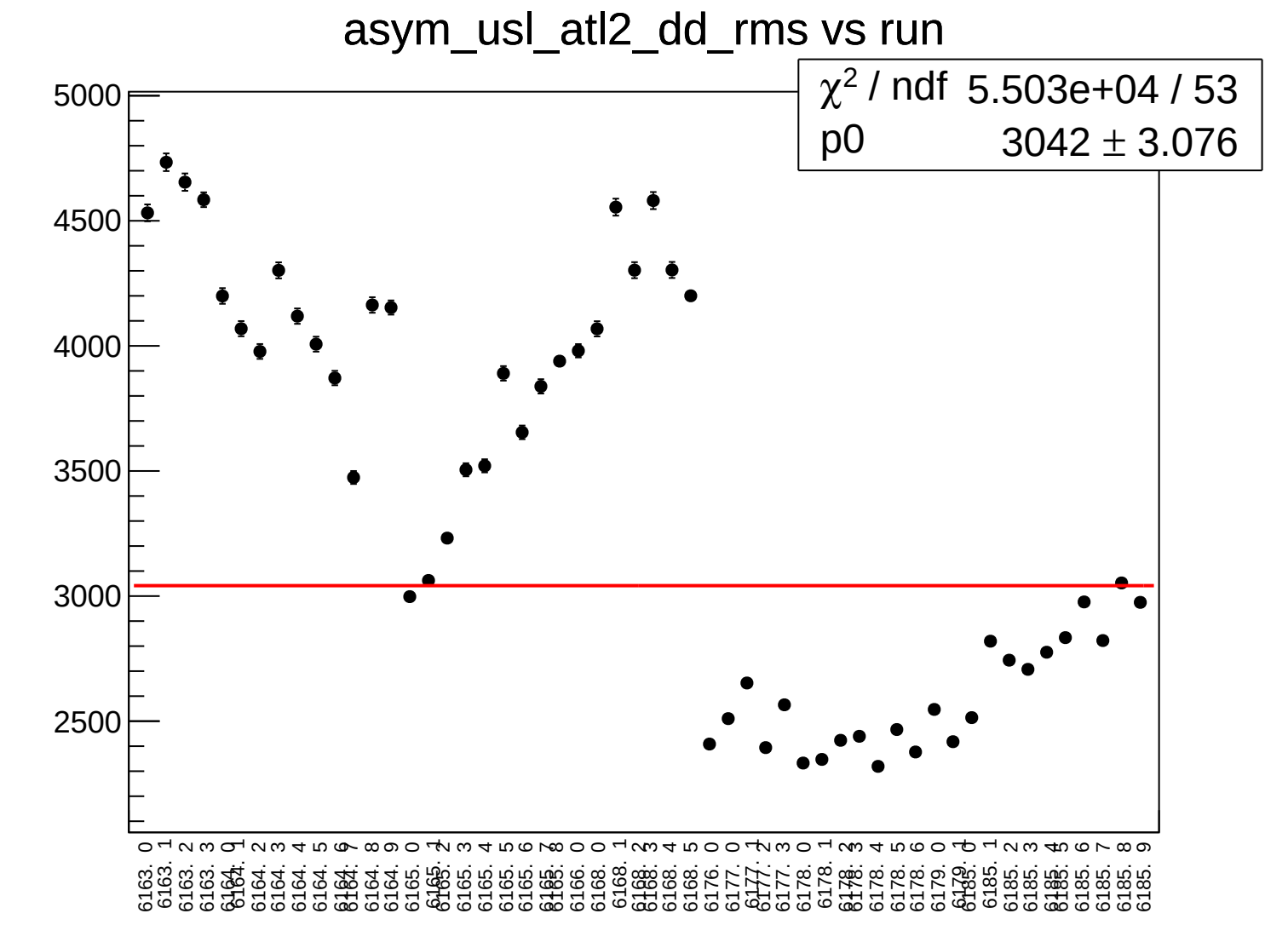

asym_usl_atl2_dd_eigen_dit_correction_mean vs run
×10^3
χ^2 / ndf 54.89 / 53
p0 5321 ± 4214
100
50
0
−50
−100
pull
Entries 54
Mean 11
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

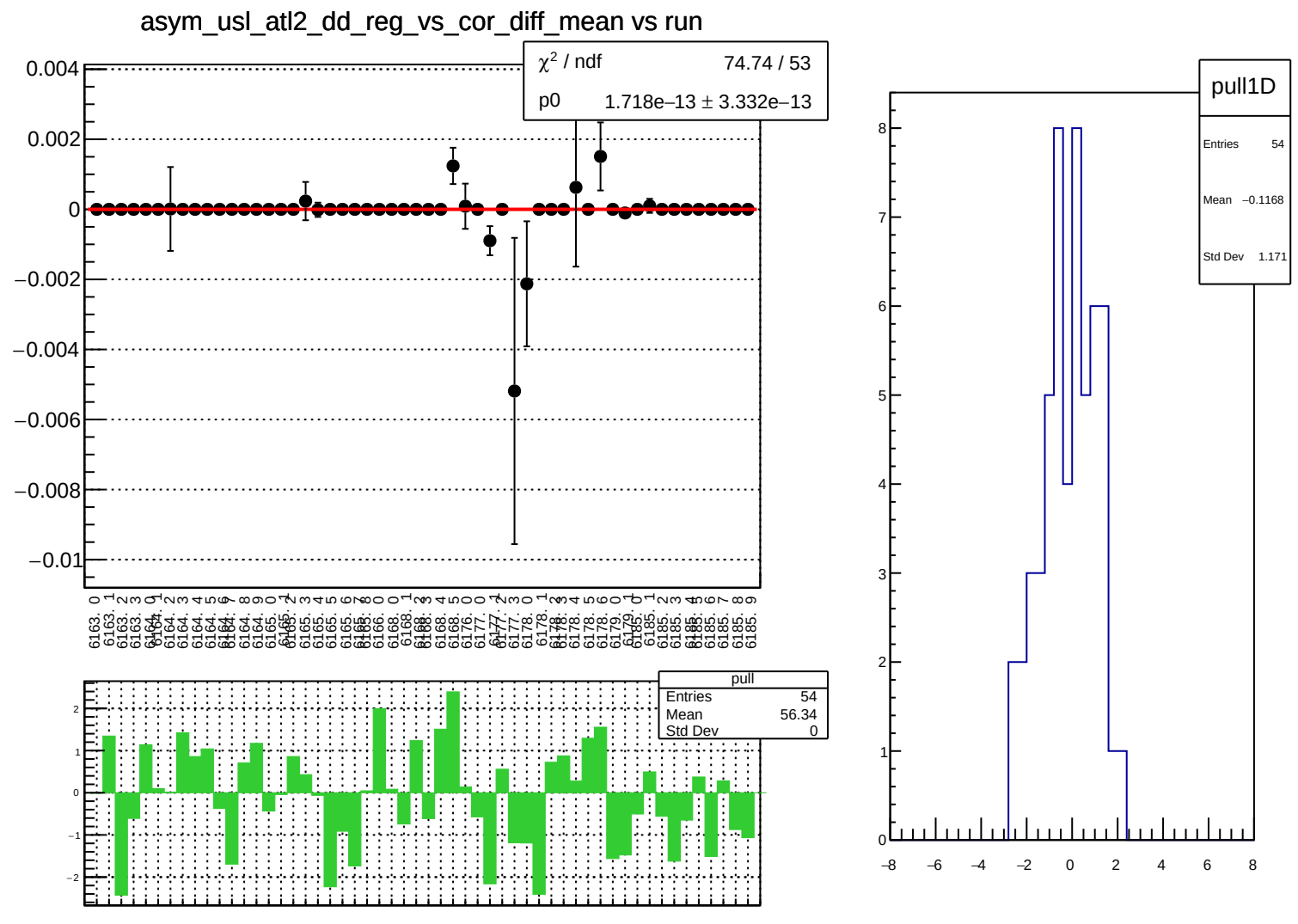

pull1D
Entries 54
Mean 0.02202
Std Dev 1.008
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

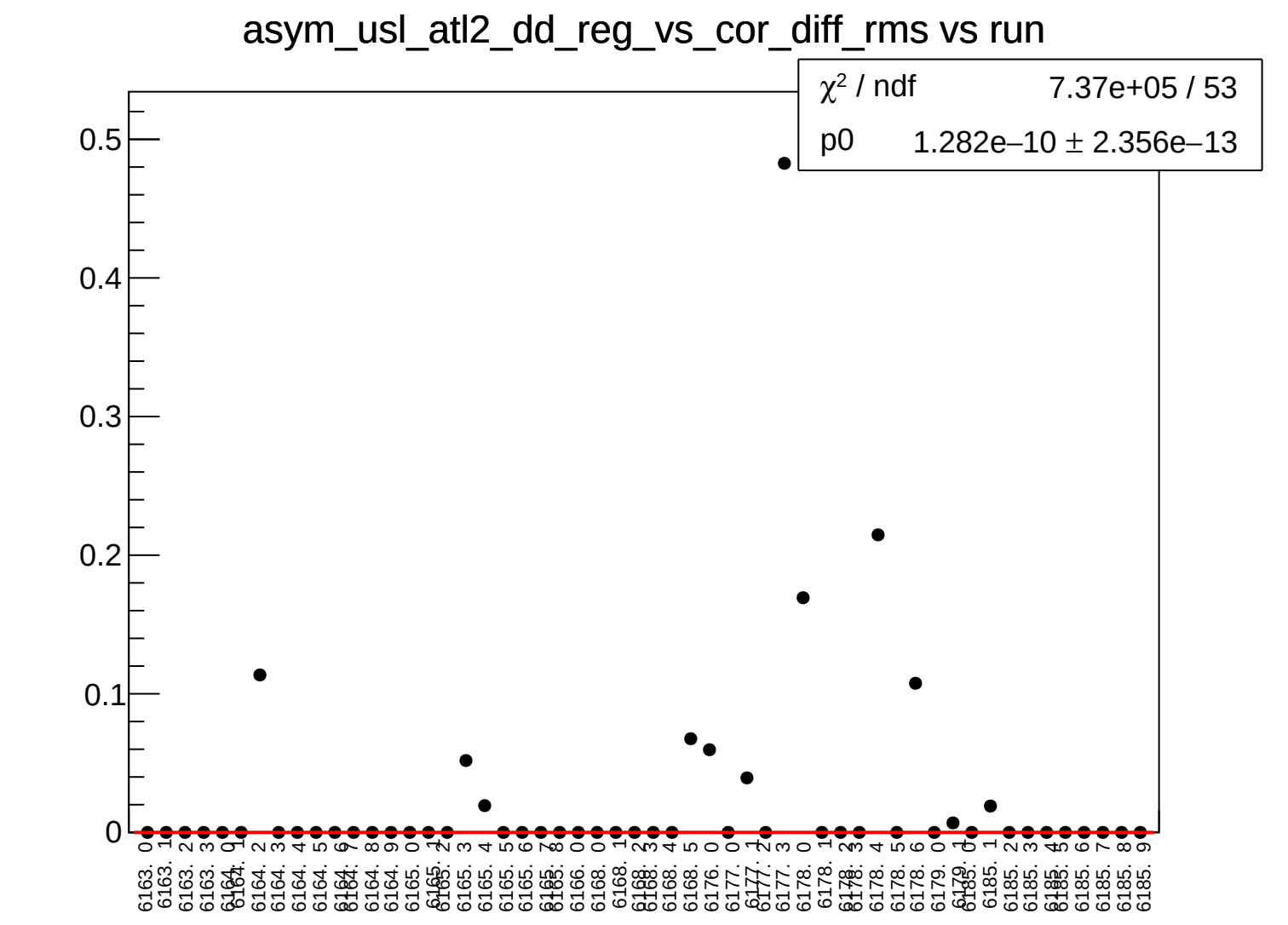

asym_usl_atl2_dd_eigen_dit_correction_rms vs run
χ² / ndf 5.724e+04 / 53
p0 2944 ± 2.98
4500
4000
3500
3000
2500
2000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

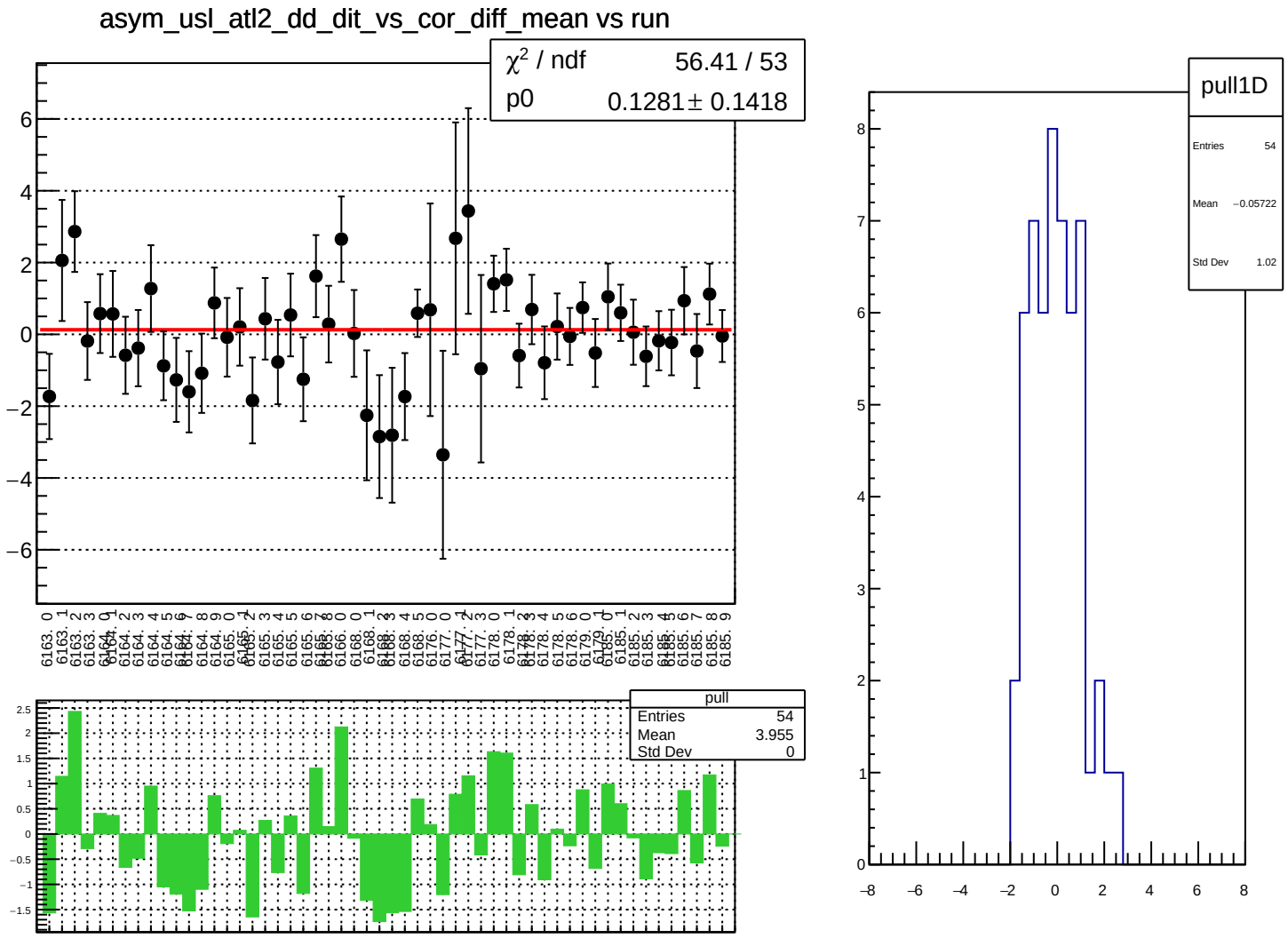

asym_usl_atl2_dd_mean vs run
×10^3
χ² / ndf 60.14 / 53
p0 −7008 ± 4350
100
50
0
−50
−100
pull
Entries 54
Mean −10.27
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

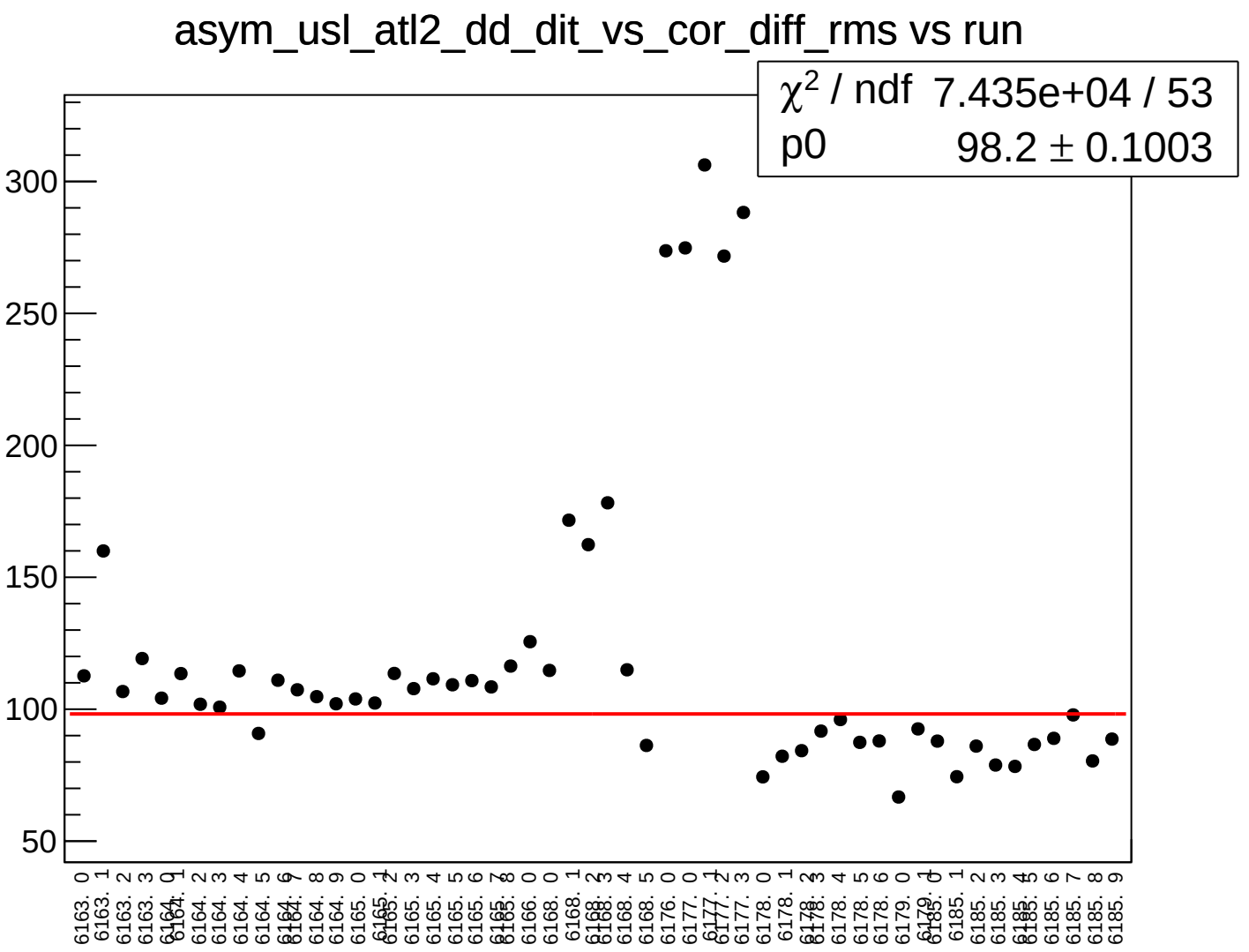

pull1D
Entries 54
Mean −0.01875
Std Dev 1.055
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

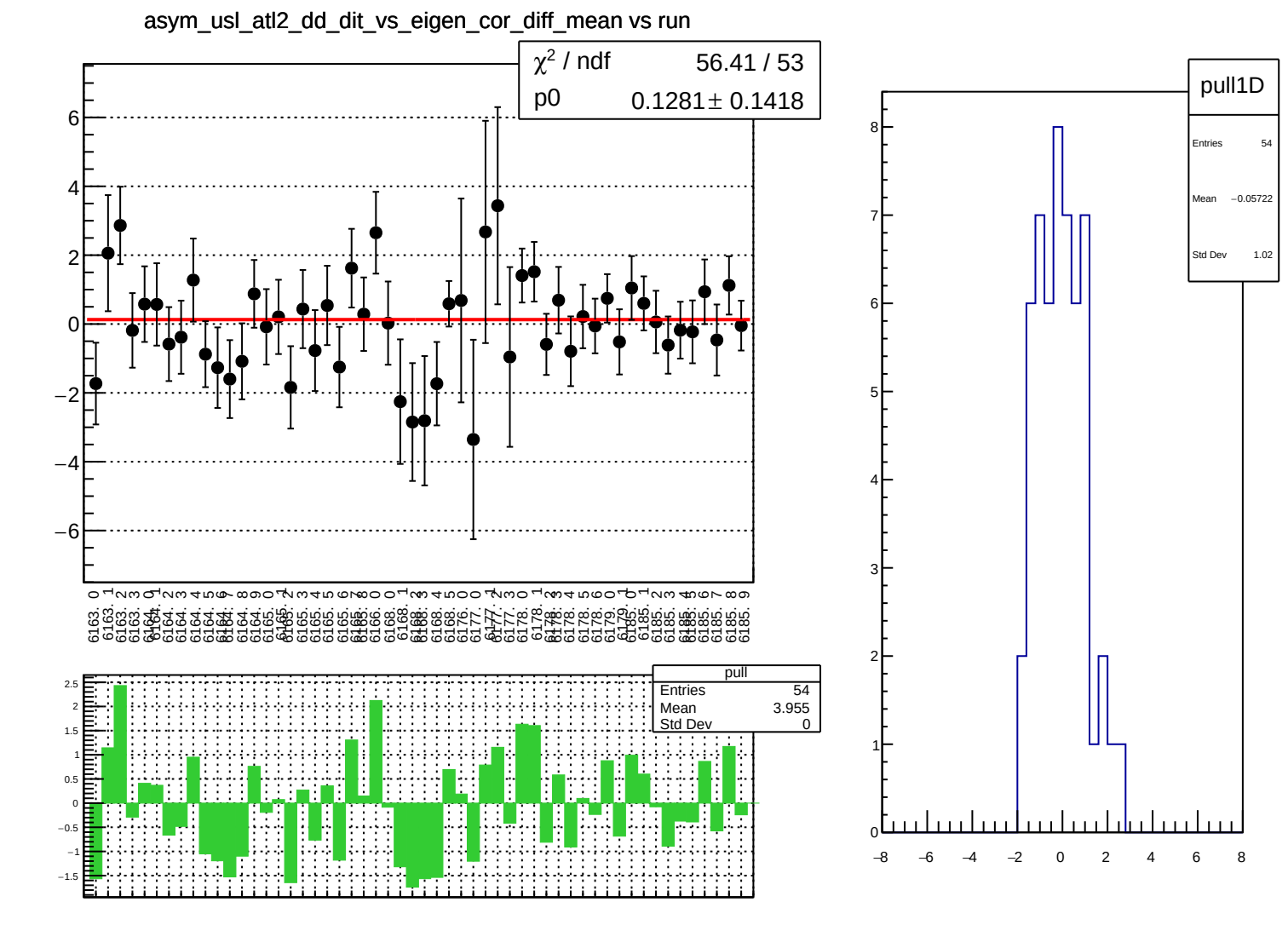

asym_usl_atl2_dd_rms vs run
χ² / ndf 5.503e+04 / 53
p0 3042 ± 3.076
5000
4500
4000
3500
3000
2500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

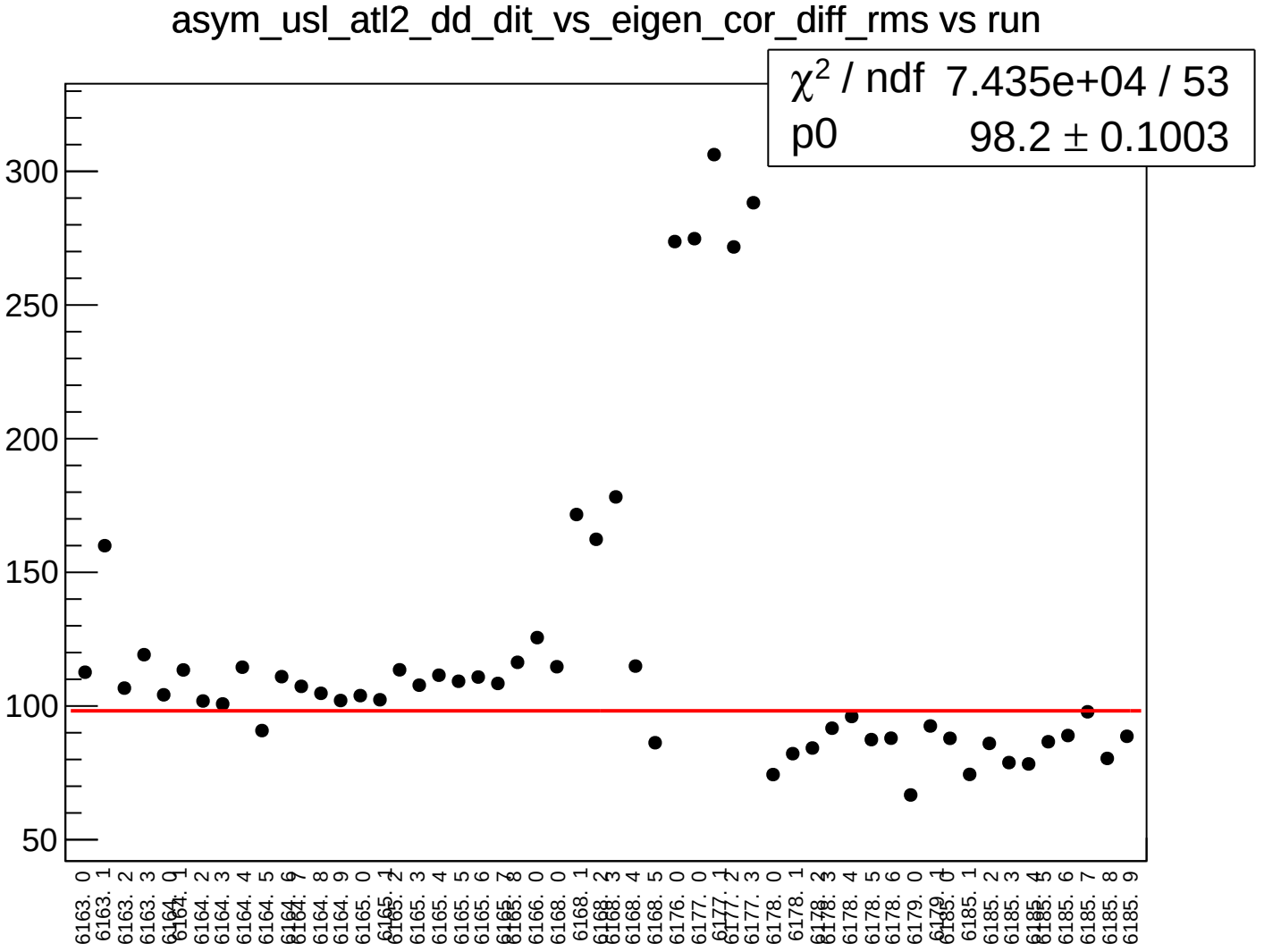

asym_usl_atl2_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 74.74 / 53
p0 1.718e−13 ± 3.332e−13
pull
Entries 54
Mean 56.34
Std Dev 0
pull1D
Entries 54
Mean −0.1168
Std Dev 1.171

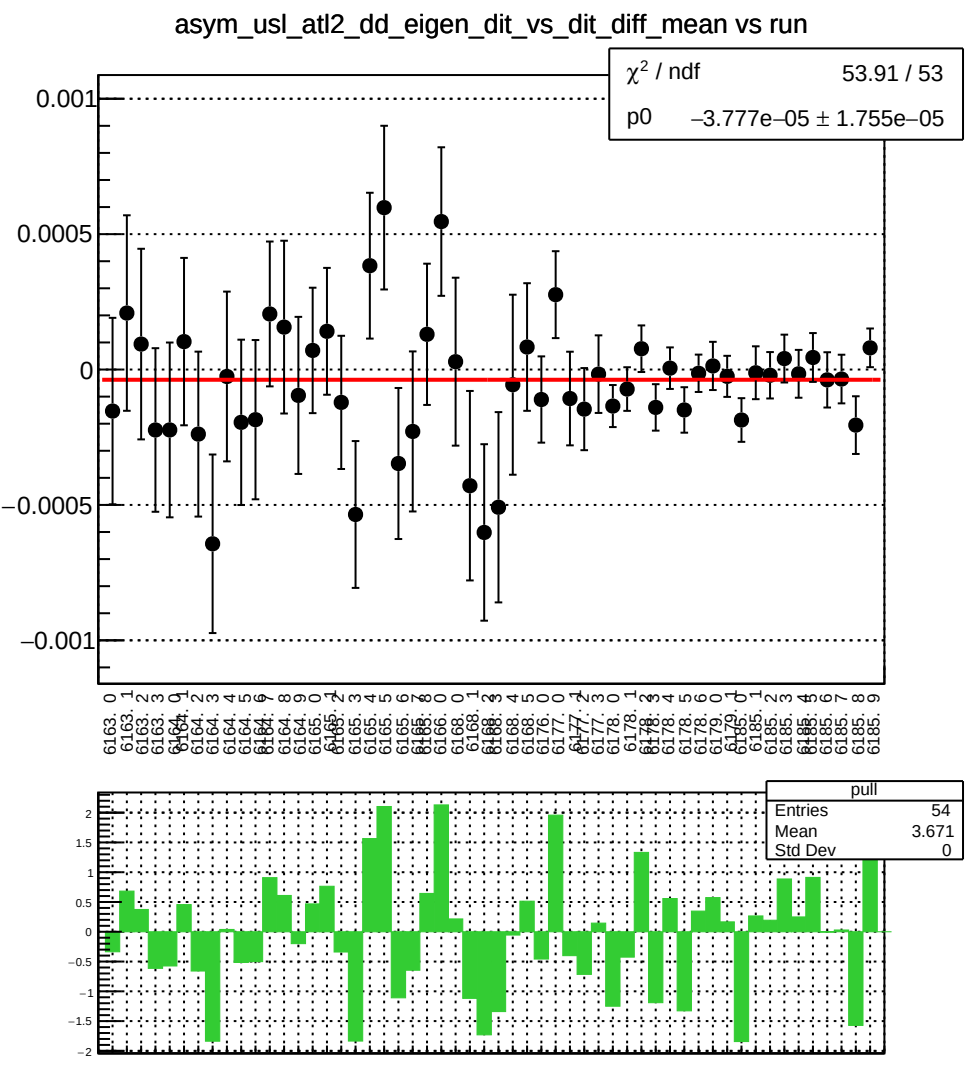

asym_usl_atl2_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 7.37e+05 / 53
p0 1.282e−10 ± 2.356e−13
0.5
0.4
0.3
0.2
0.1
0
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

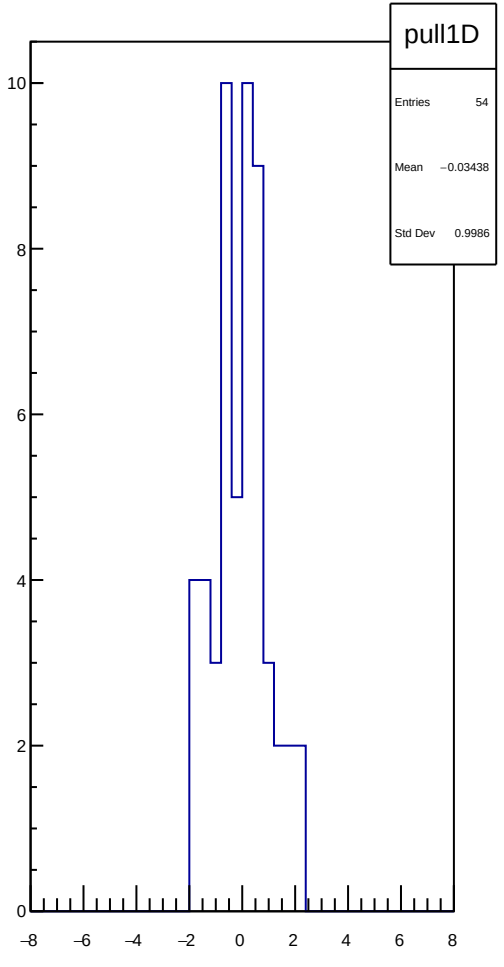

asym_usl_atl2_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 56.41 / 53
p0 0.1281 ± 0.1418
pull
Entries 54
Mean 3.955
Std Dev 0
pull1D
Entries 54
Mean −0.05722
Std Dev 1.02

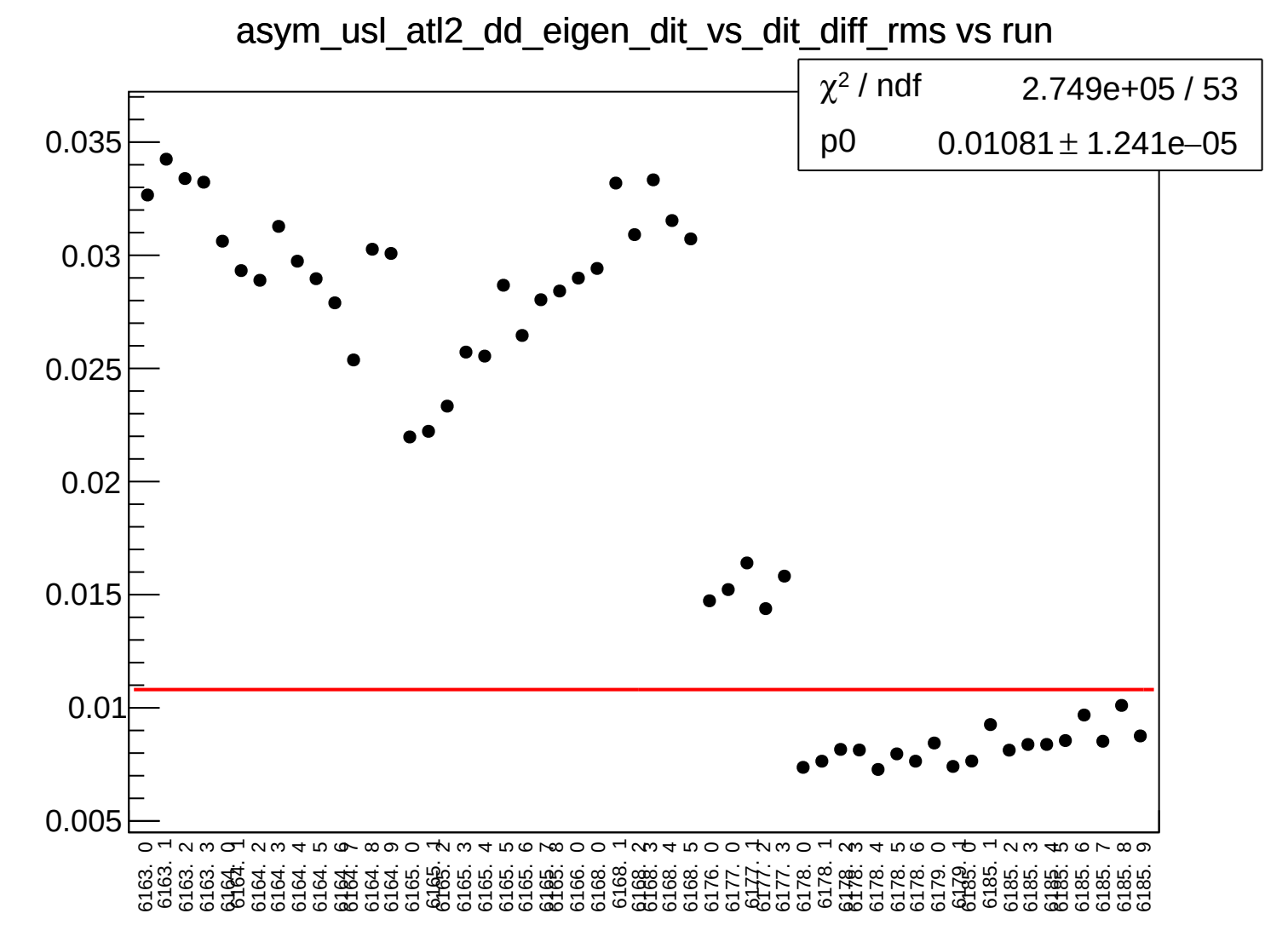

asym_usl_atl2_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 7.435e+04 / 53
p0 98.2 ± 0.1003
300
250
200
150
100
50
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

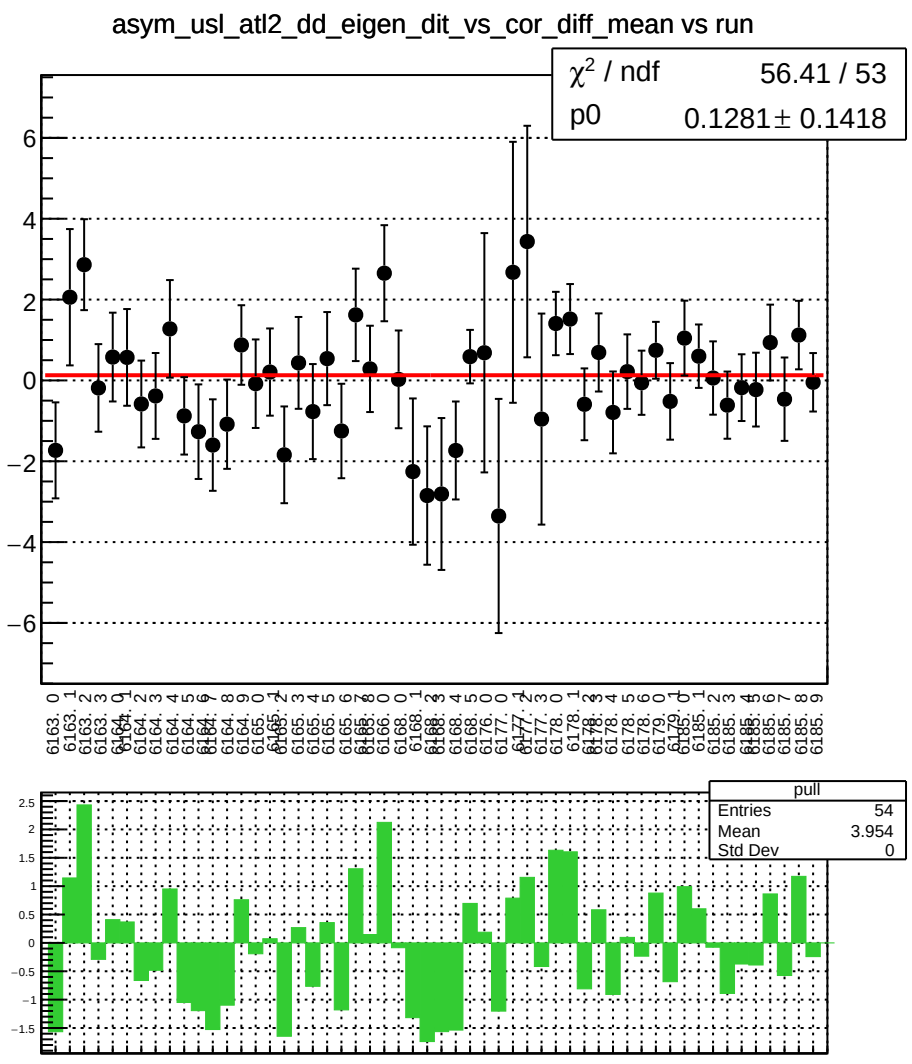

asym_usl_atl2_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 56.41 / 53
p0 0.1281 ± 0.1418
pull
Entries 54
Mean 3.955
Std Dev 0
pull1D
Entries 54
Mean −0.05722
Std Dev 1.02

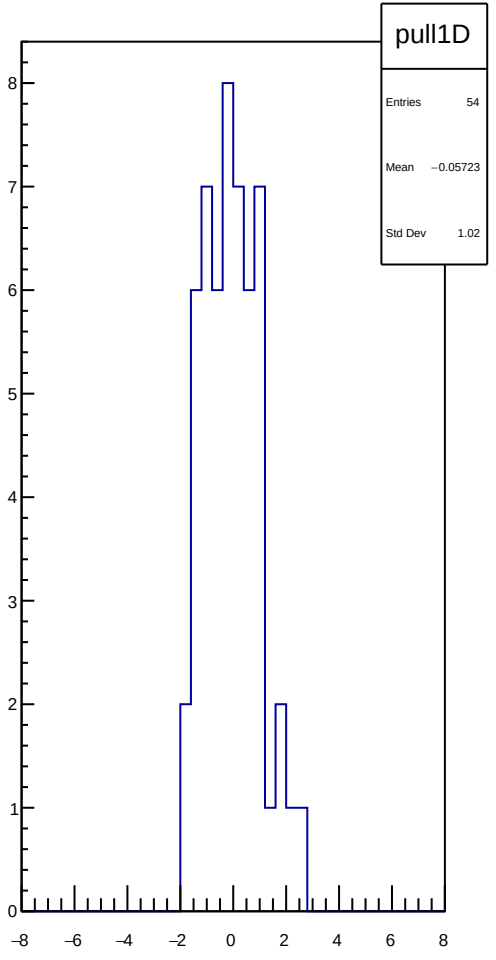

asym_usl_atl2_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.435e+04 / 53
p0 98.2 ± 0.1003
300
250
200
150
100
50
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

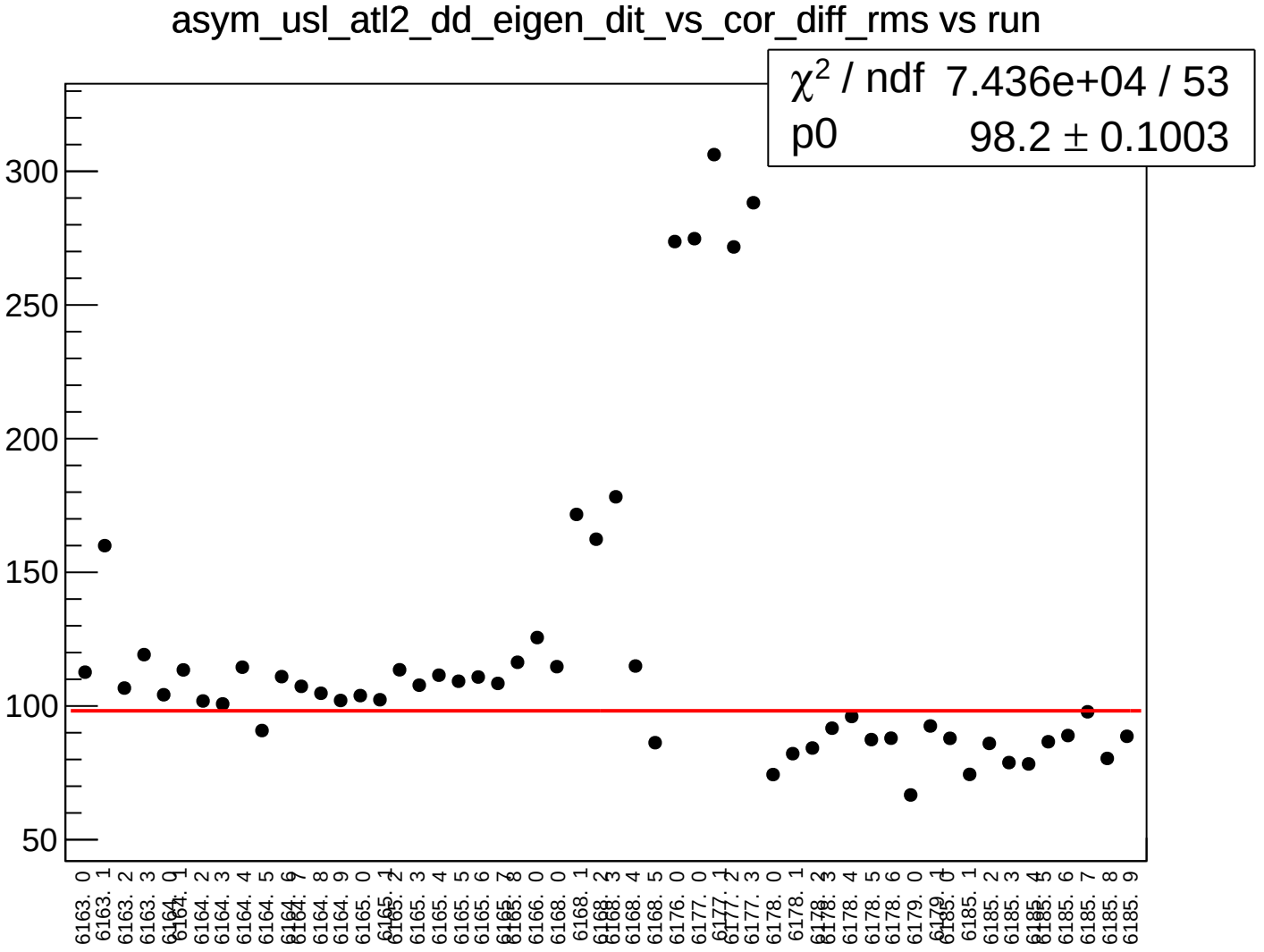

asym_usl_atl2_dd_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 53.91 / 53
p0 −3.777e−05 ± 1.755e−05
0.001
0.0005
0
−0.0005
−0.001
pull
Entries 54
Mean 3.671
Std Dev 0

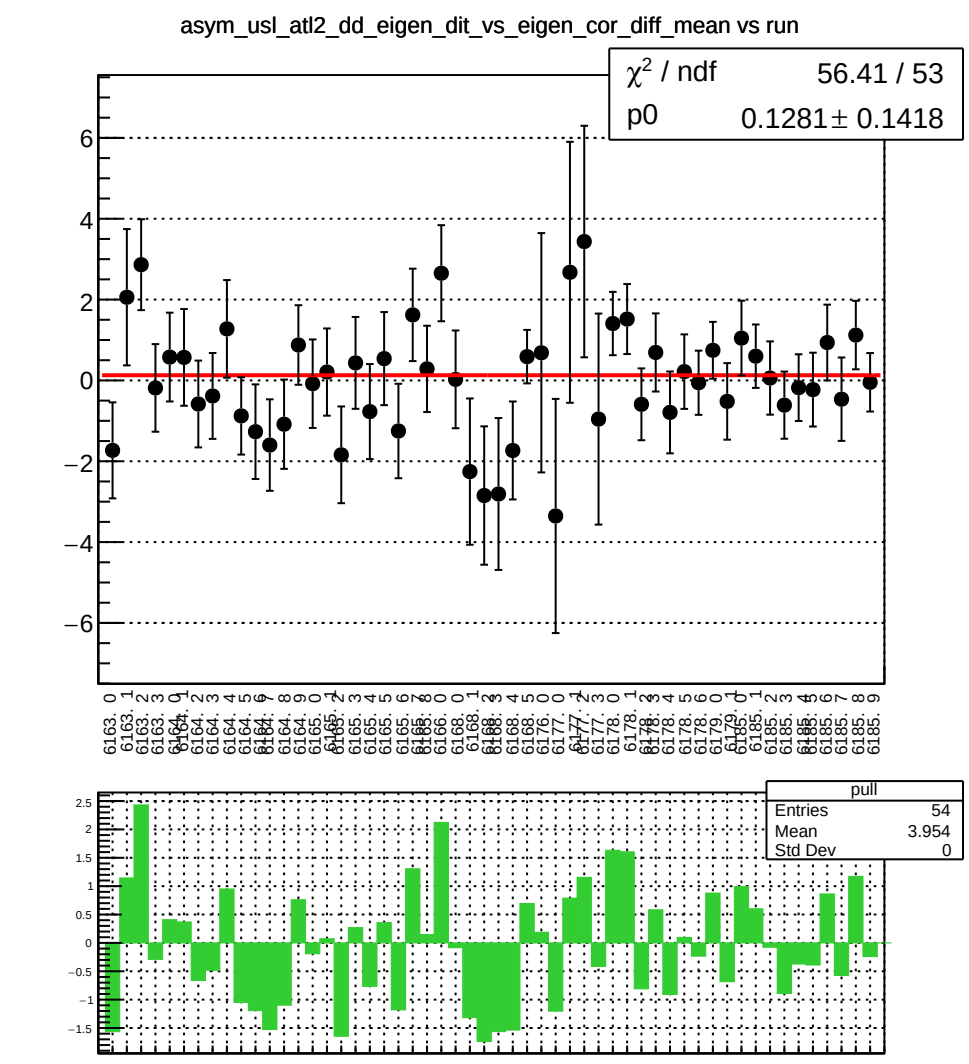

pull1D
Entries 54
Mean −0.03438
Std Dev 0.9986
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

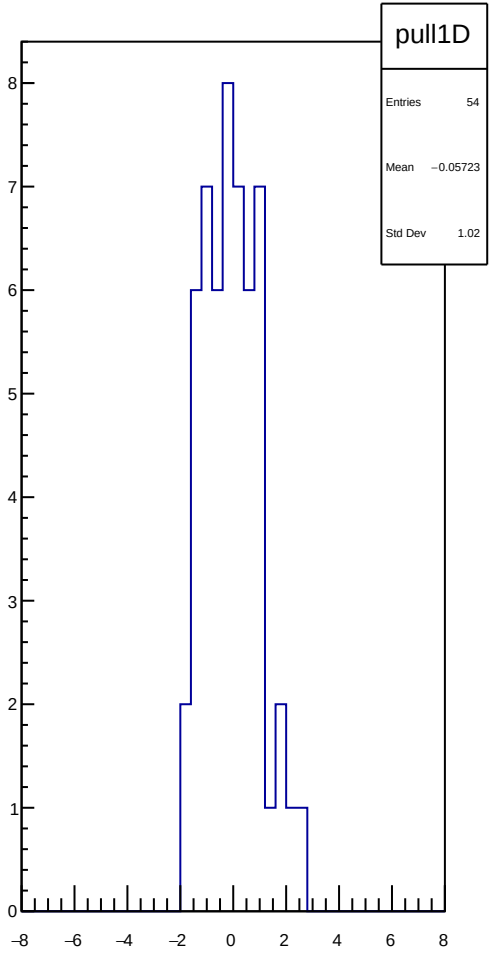

asym_usl_atl2_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.749e+05 / 53
p0 0.01081 ± 1.241e–05
0.035
0.03
0.025
0.02
0.015
0.01
0.005
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

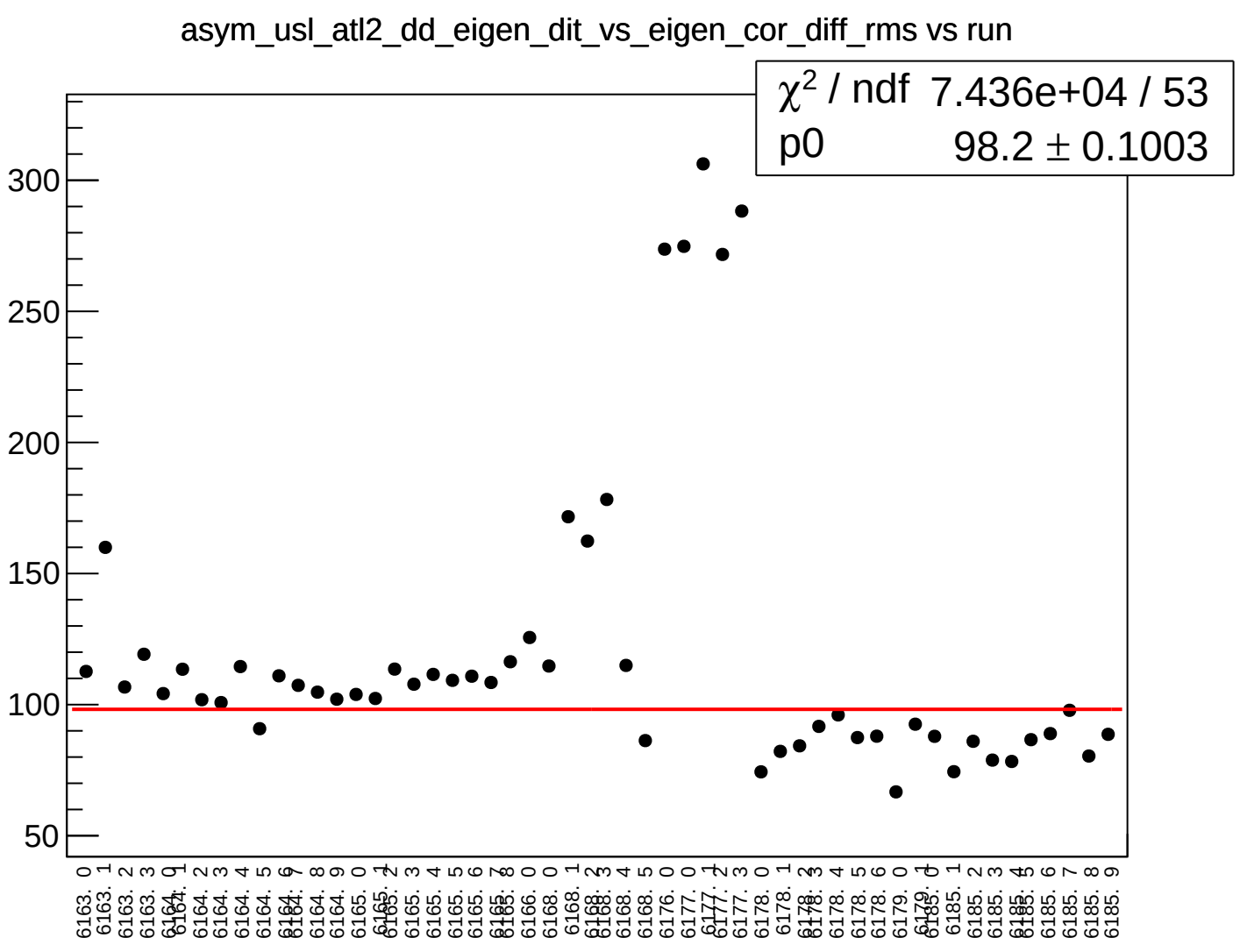

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 56.41 / 53
p0 0.1281 ± 0.1418
pull
Entries 54
Mean 3.954
Std Dev 0

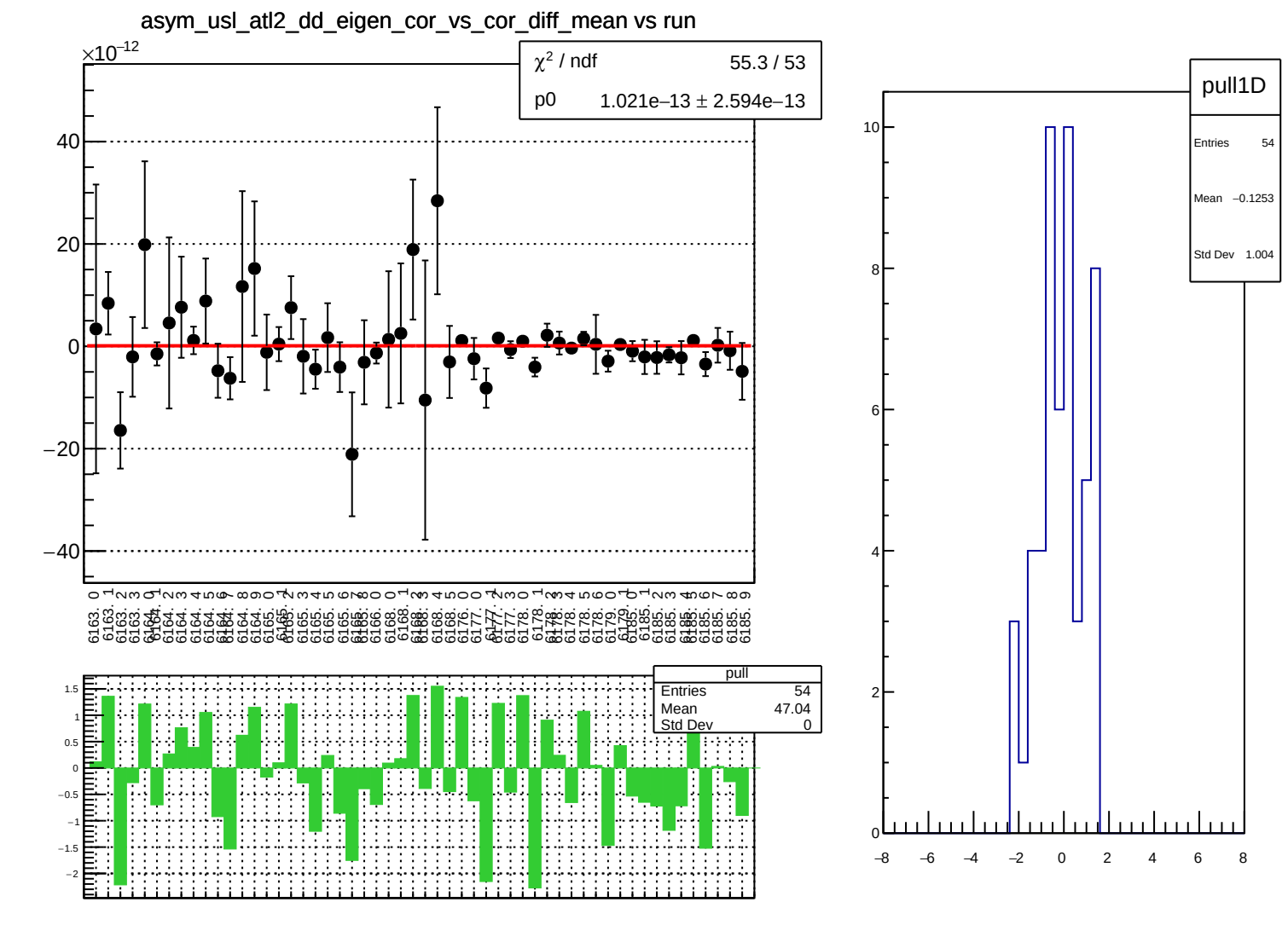

pull1D
Entries 54
Mean −0.05723
Std Dev 1.02

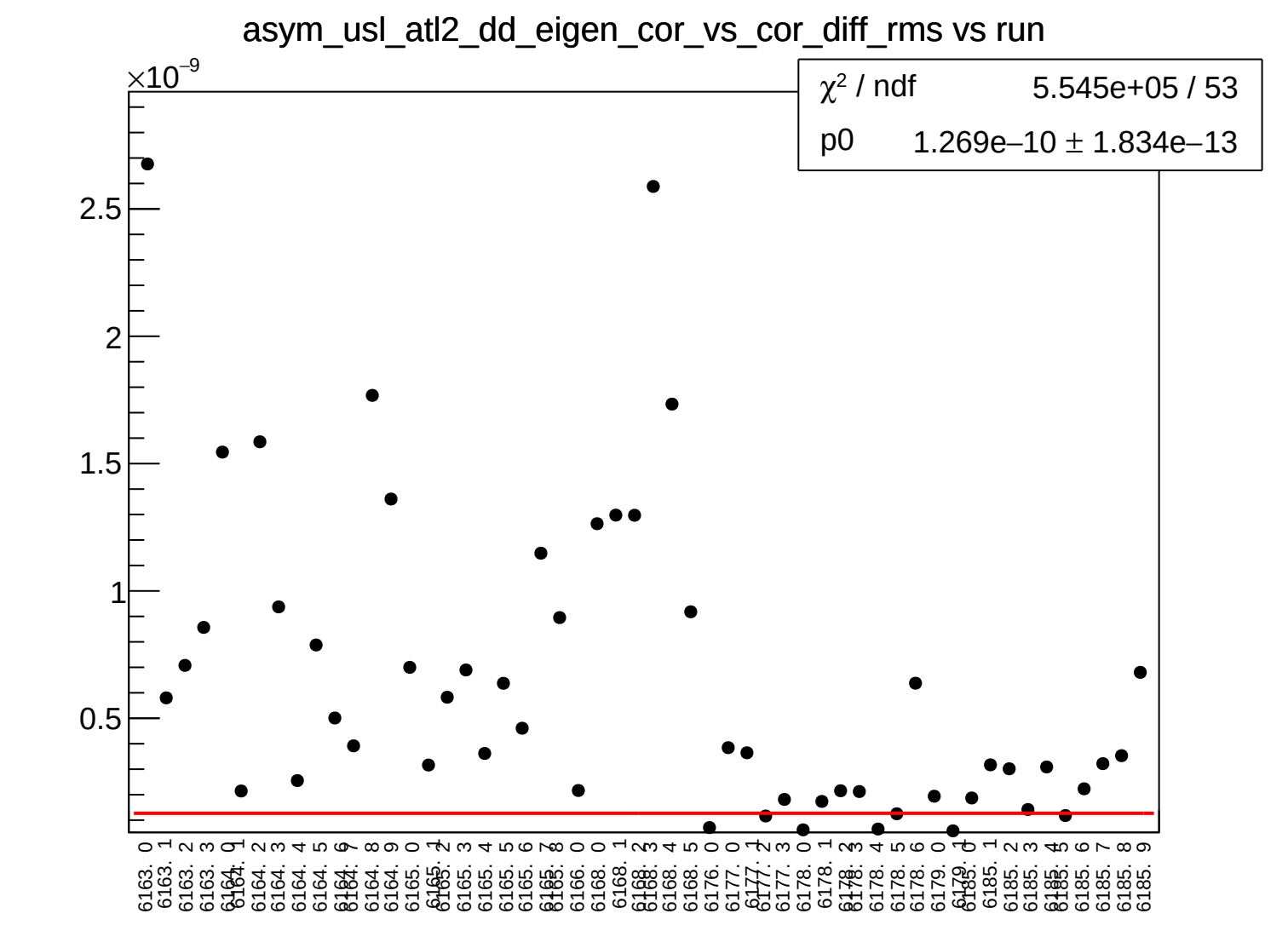

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 7.436e+04 / 53
p0 98.2 ± 0.1003
300
250
200
150
100
50
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

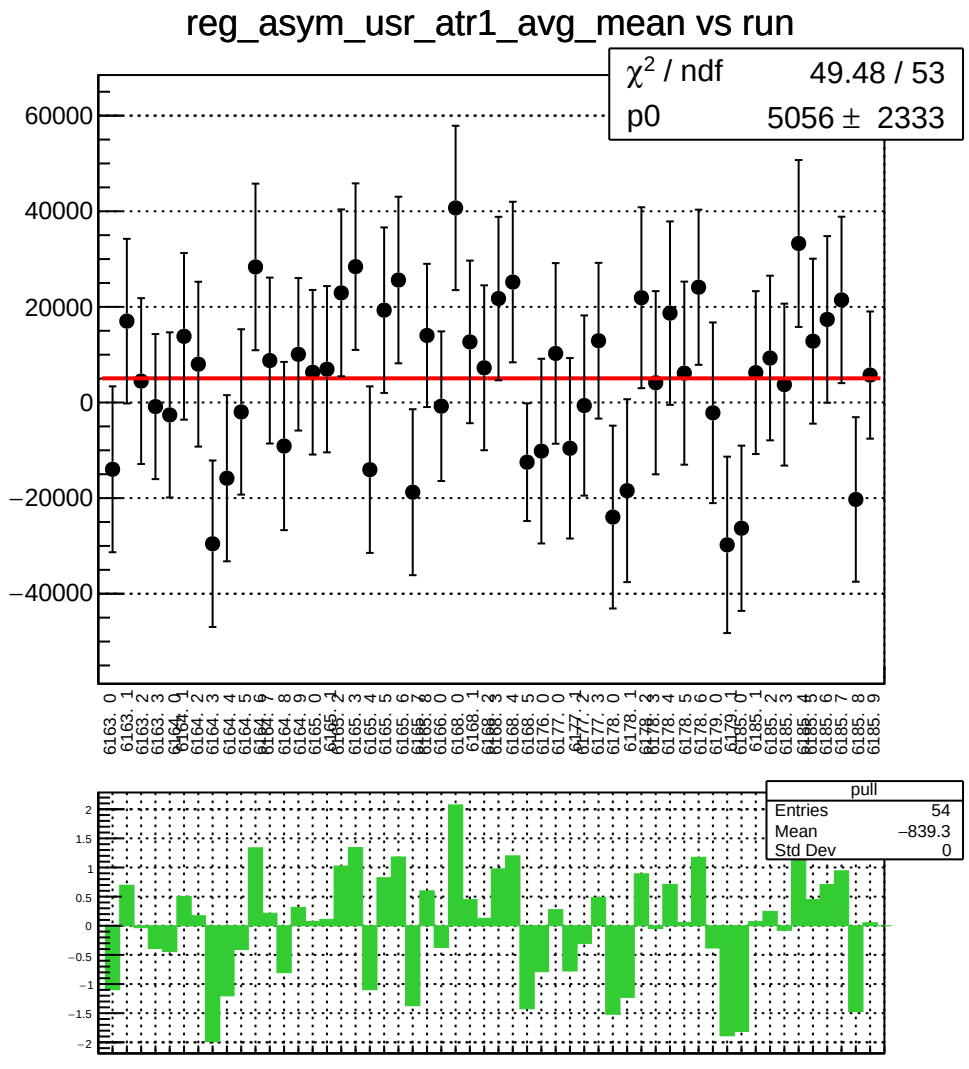

asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 56.41 / 53
p0 0.1281 ± 0.1418
pull
Entries 54
Mean 3.954
Std Dev 0

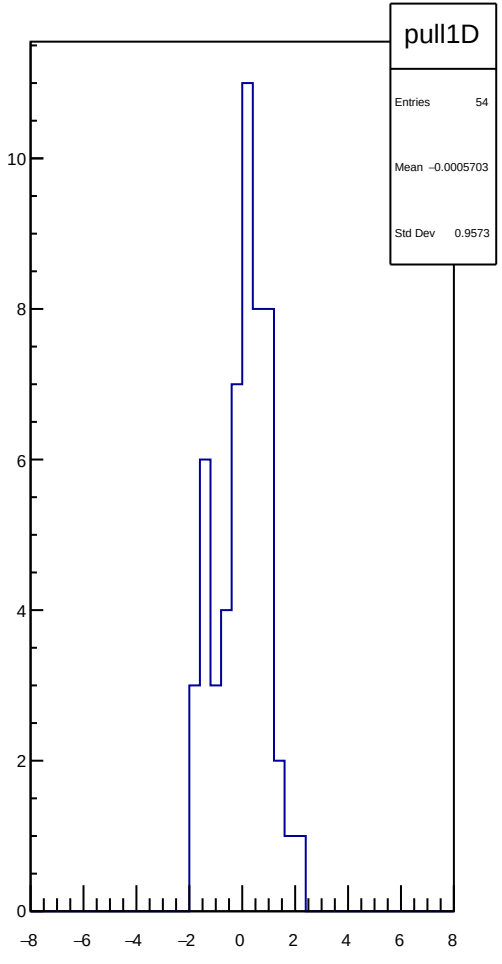

pull1D
Entries 54
Mean −0.05723
Std Dev 1.02

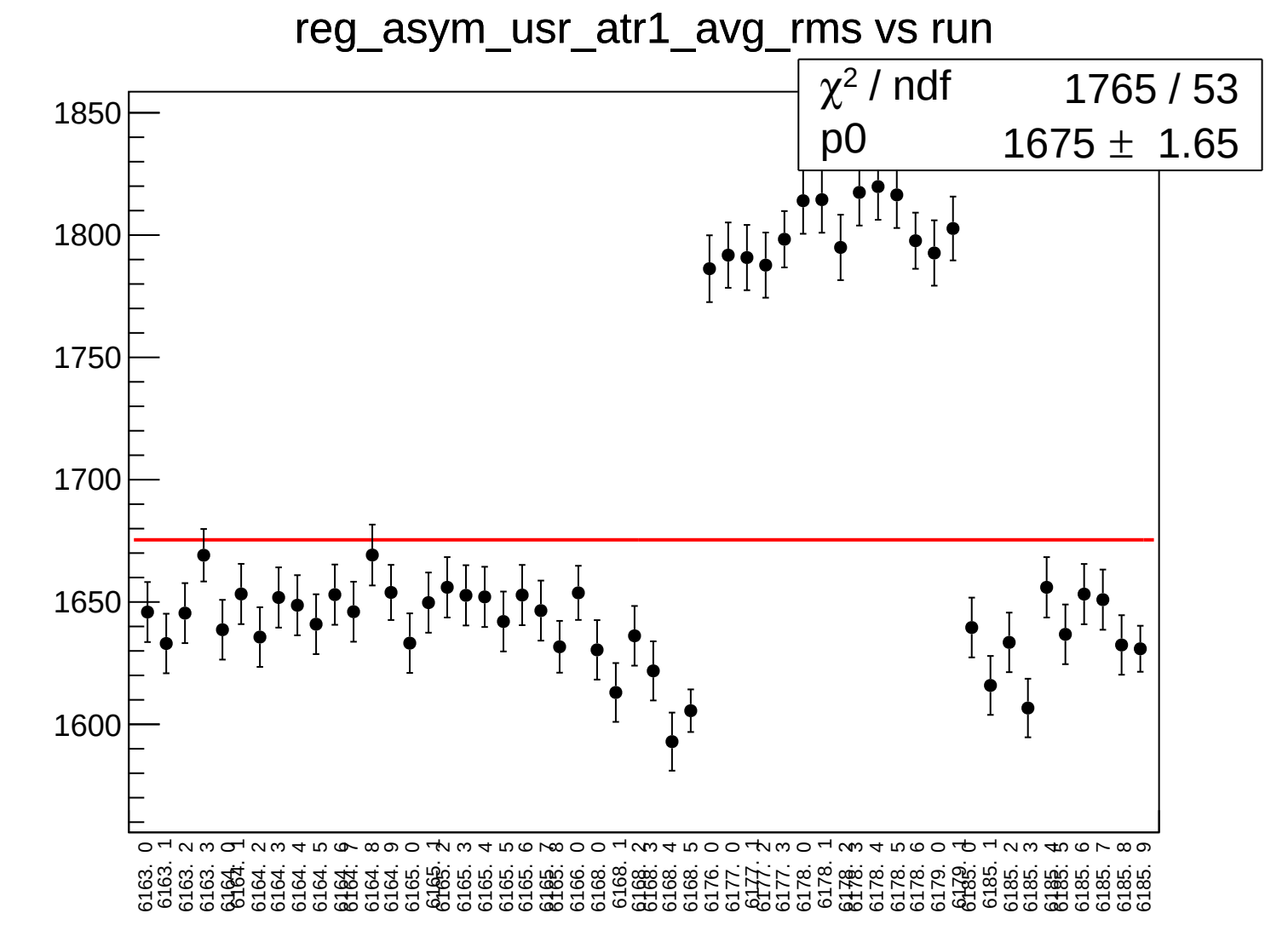

asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.436e+04 / 53
p0 98.2 ± 0.1003
300
250
200
150
100
50
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

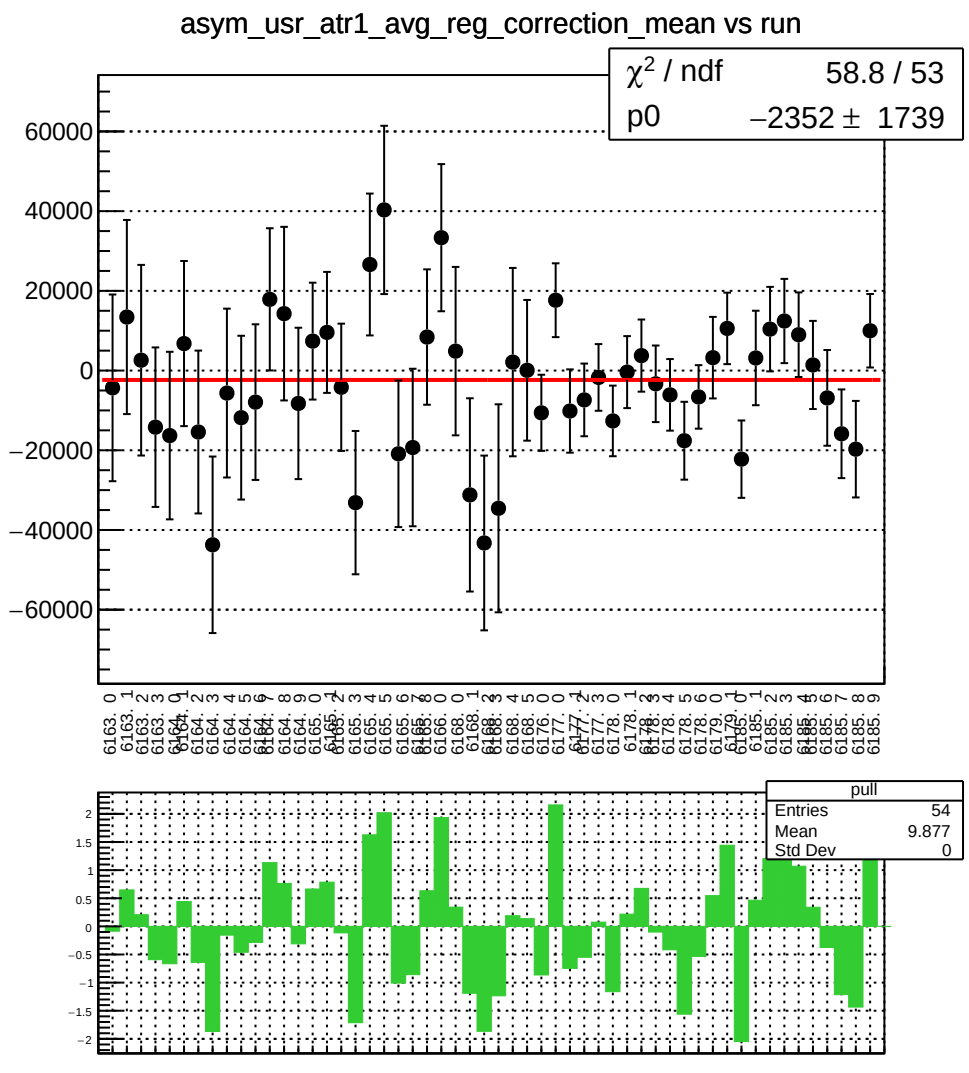

asym_usl_atl2_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 55.3 / 53
p0 1.021e−13 ± 2.594e−13
40
20
0
−20
−40
pull
Entries 54
Mean 47.04
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 54
Mean −0.1253
Std Dev 1.004
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

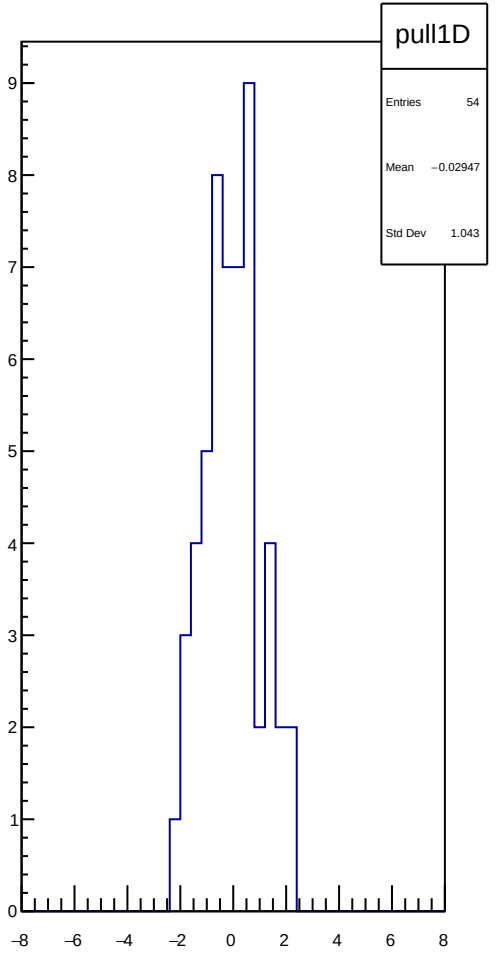

asym_usl_atl2_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.545e+05 / 53
p0 1.269e−10 ± 1.834e−13
2.5
2
1.5
1
0.5
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

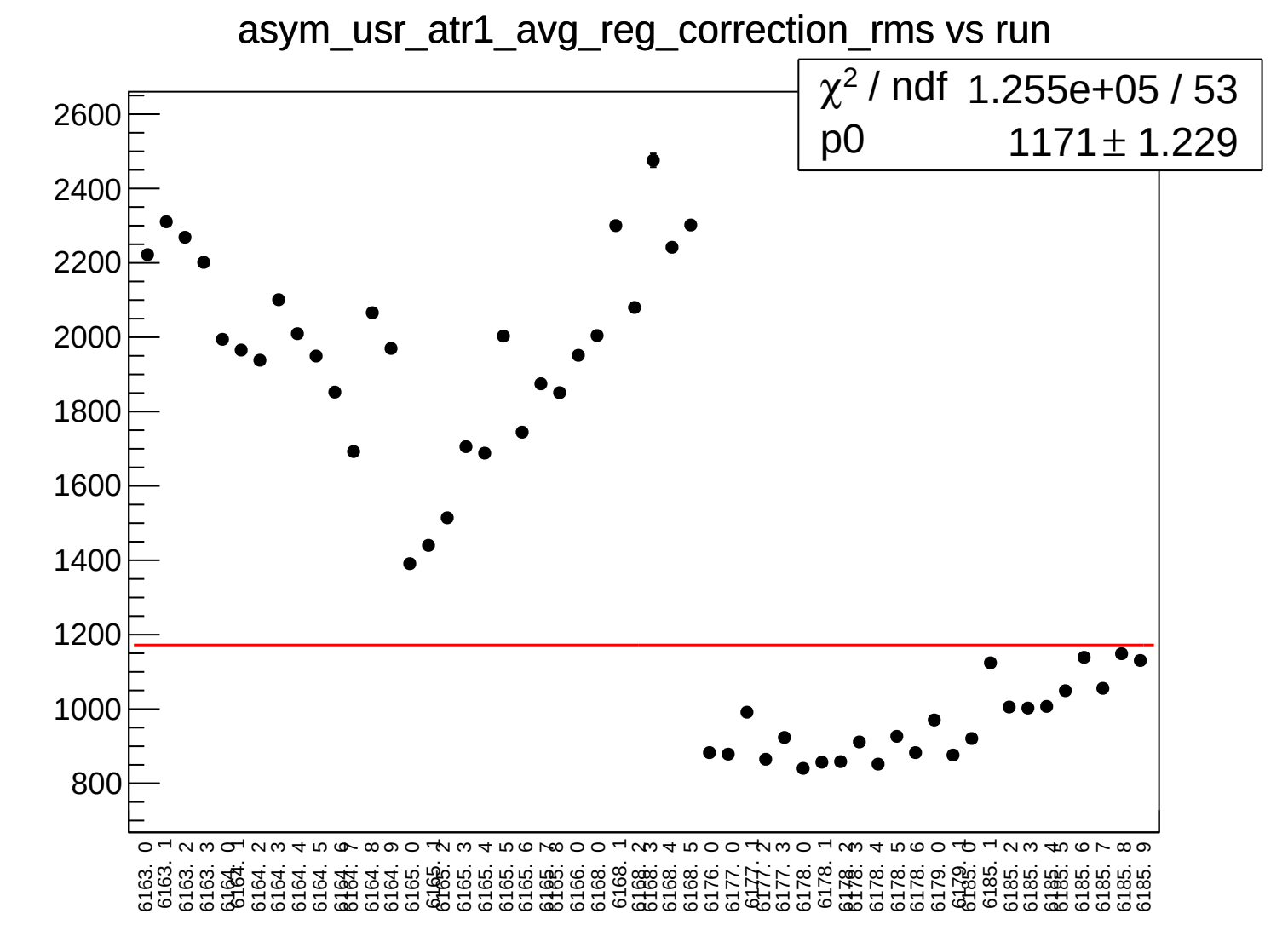

reg_asym_usr_atr1_avg_mean vs run
χ² / ndf 49.48 / 53
p0 5056 ± 2333
pull
Entries 54
Mean −839.3
Std Dev 0

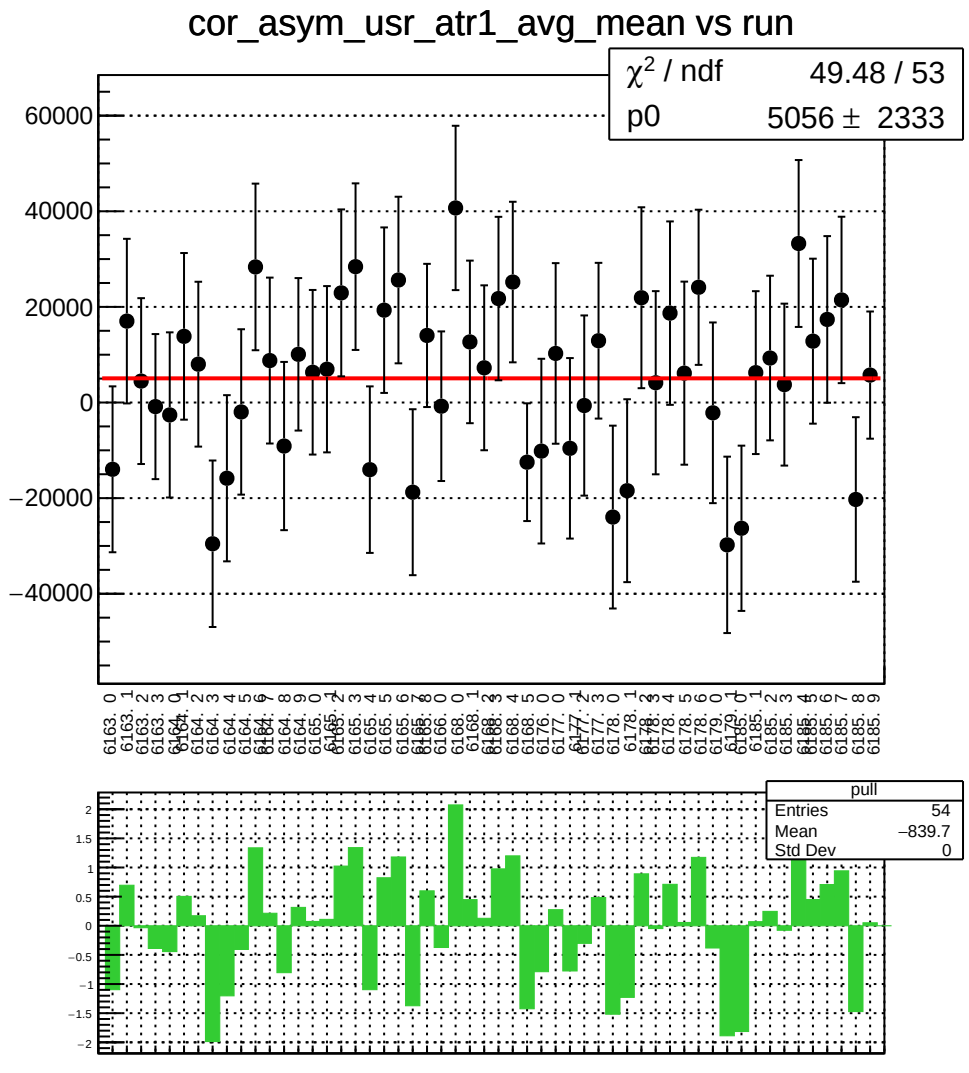

pull1D
Entries 54
Mean −0.0005703
Std Dev 0.9573

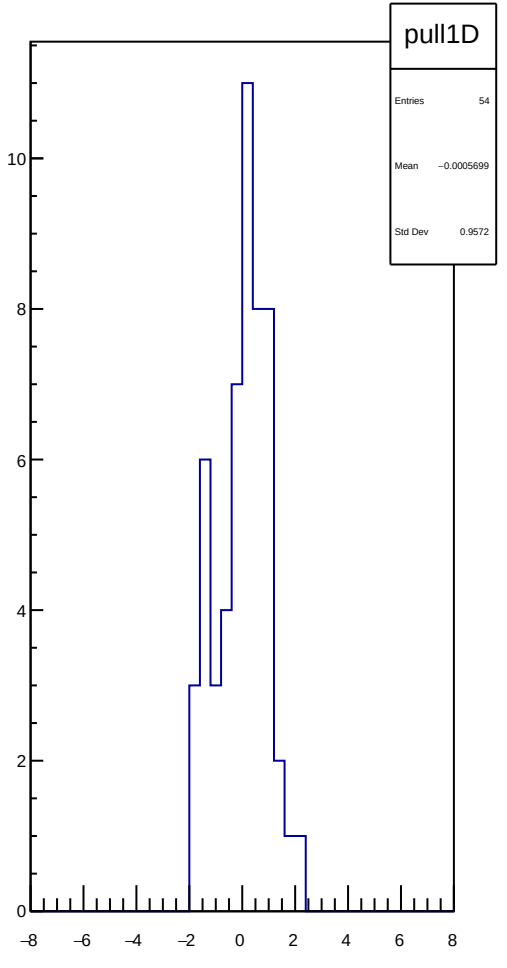

reg_asym_usr_atr1_avg_rms vs run
χ² / ndf 1765 / 53
p0 1675 ± 1.65
1850
1800
1750
1700
1650
1600
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

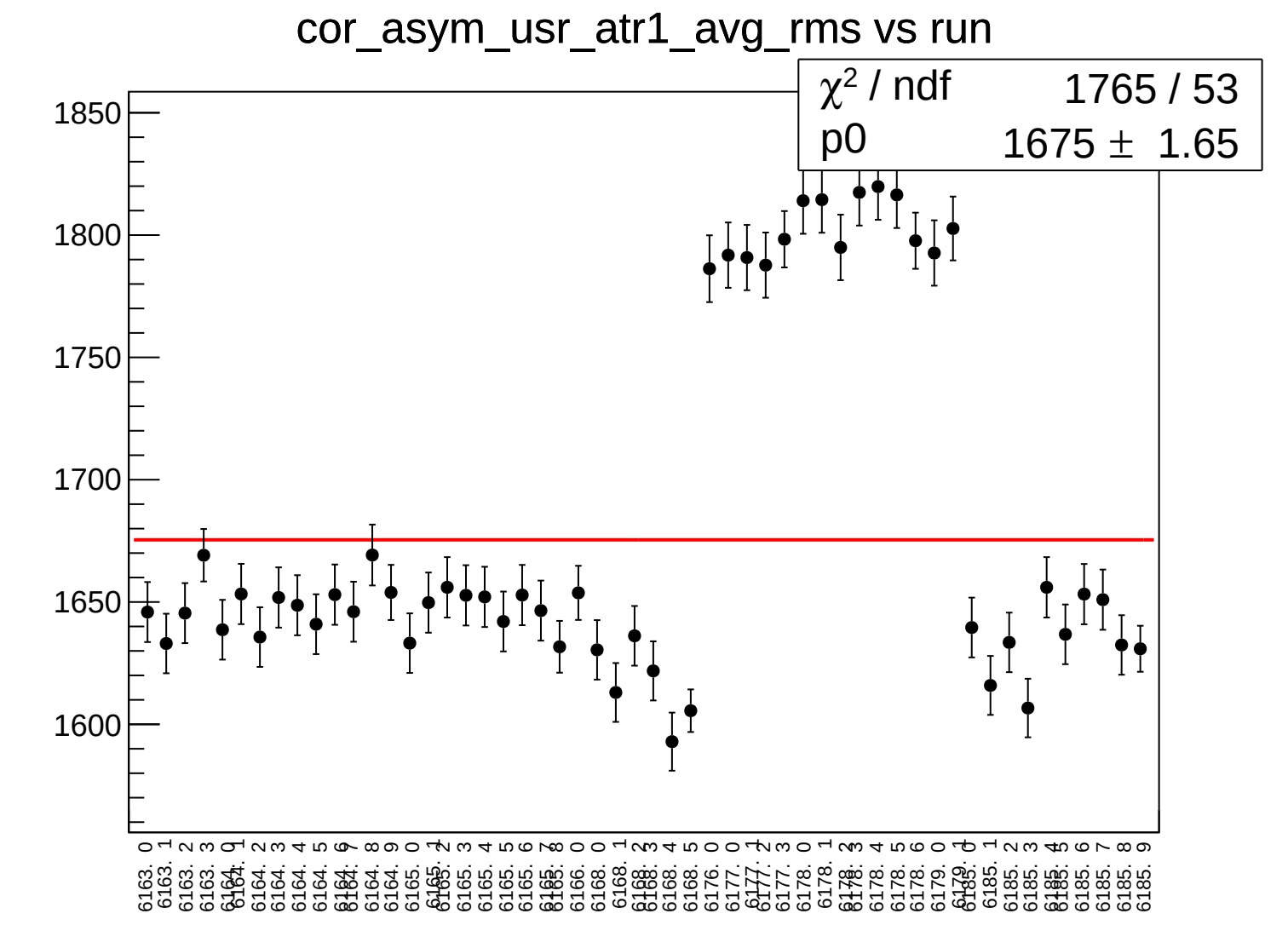

asym_usr_atr1_avg_reg_correction_mean vs run
χ² / ndf 58.8 / 53
p0 −2352 ± 1739
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 9.877
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

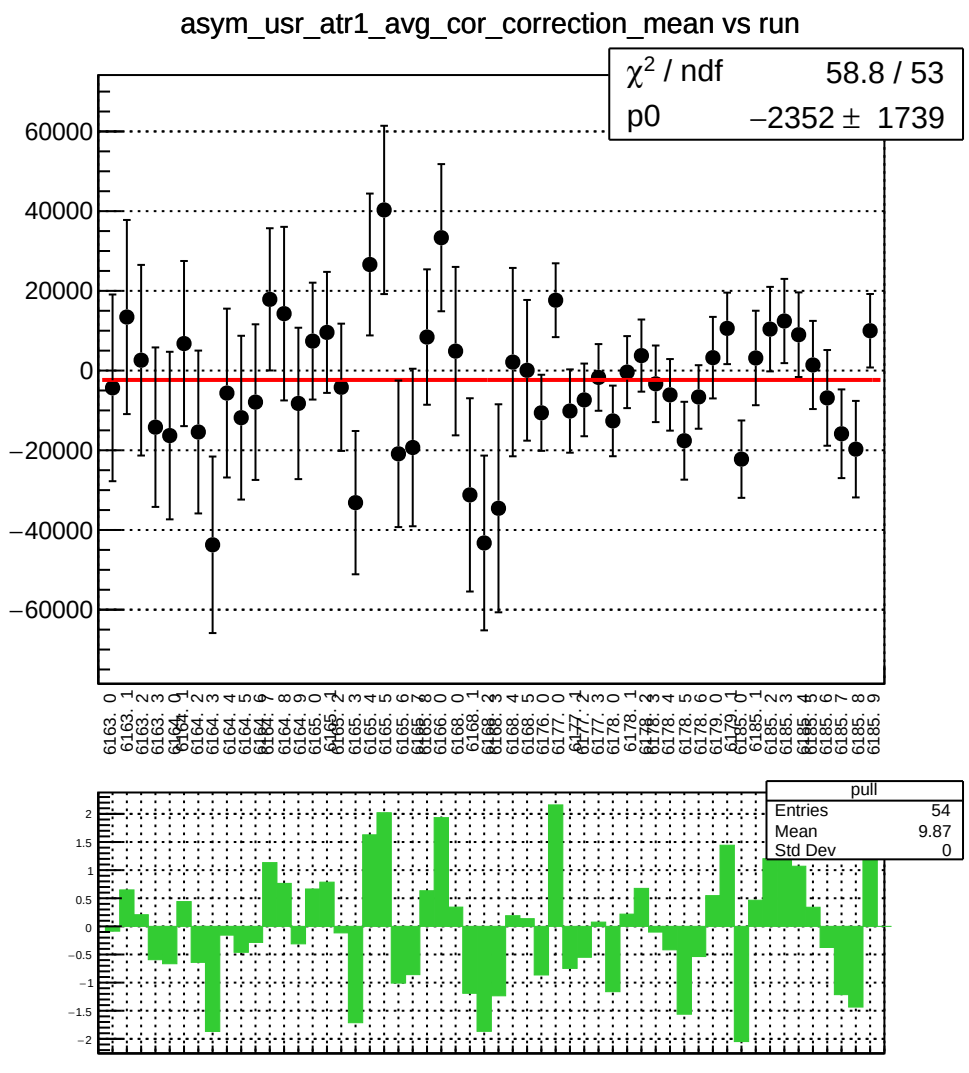

pull1D
Entries 54
Mean −0.02947
Std Dev 1.043
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

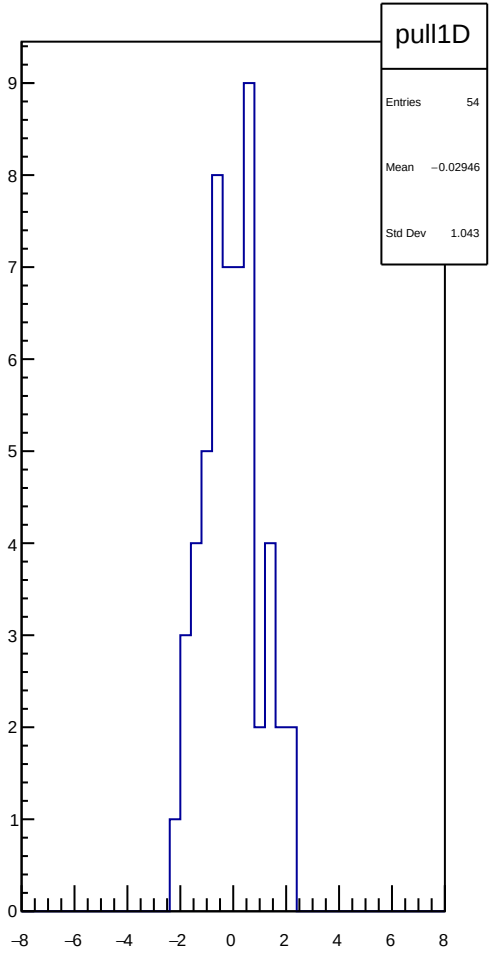

asym_usr_atr1_avg_reg_correction_rms vs run
χ² / ndf 1.255e+05 / 53
p0 1171 ± 1.229
2600
2400
2200
2000
1800
1600
1400
1200
1000
800
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6168. 0
6168. 1
6168. 3
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

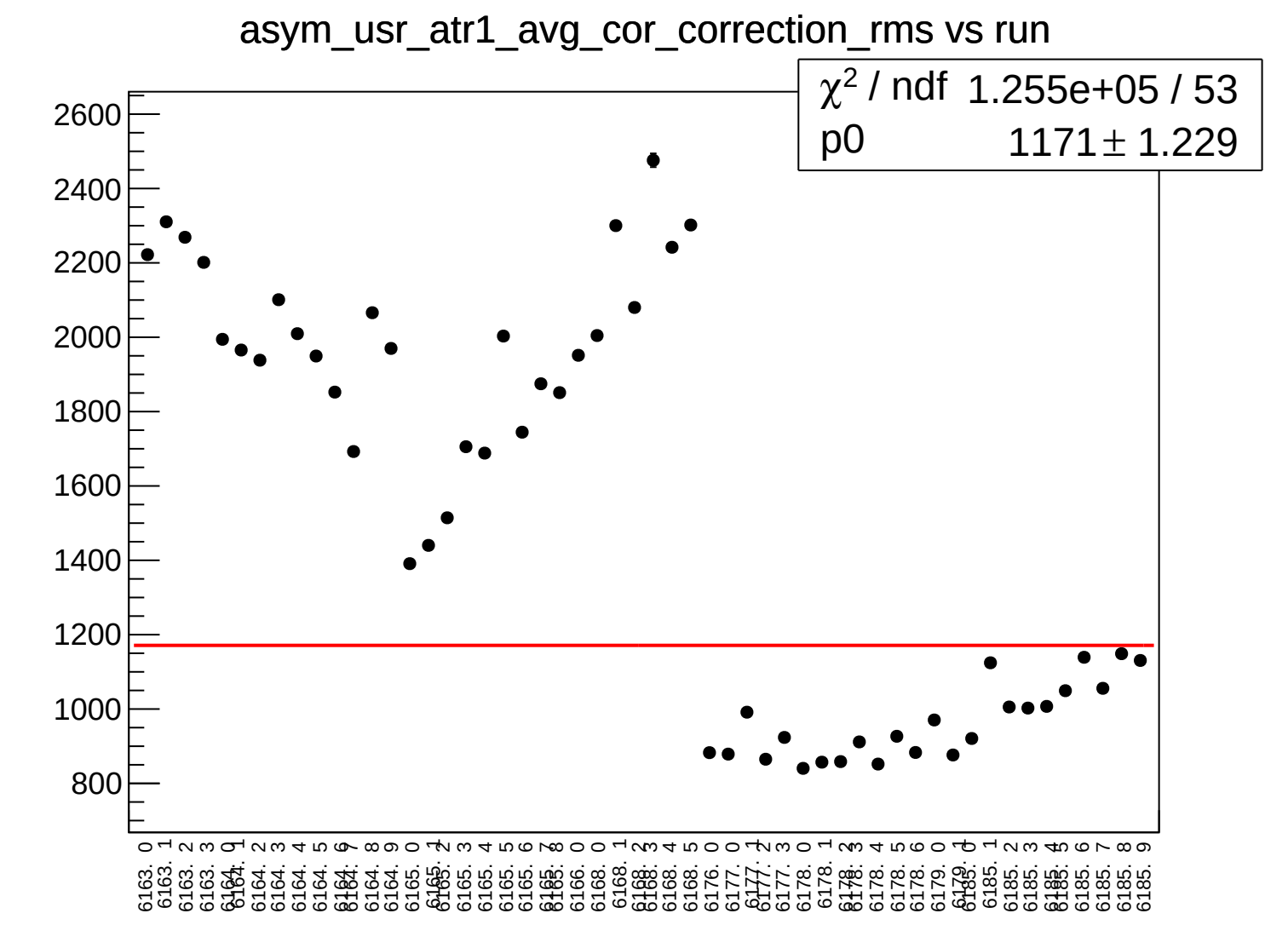

cor_asym_usr_atr1_avg_mean vs run
χ² / ndf 49.48 / 53
p0 5056 ± 2333
pull
Entries 54
Mean −839.7
Std Dev 0

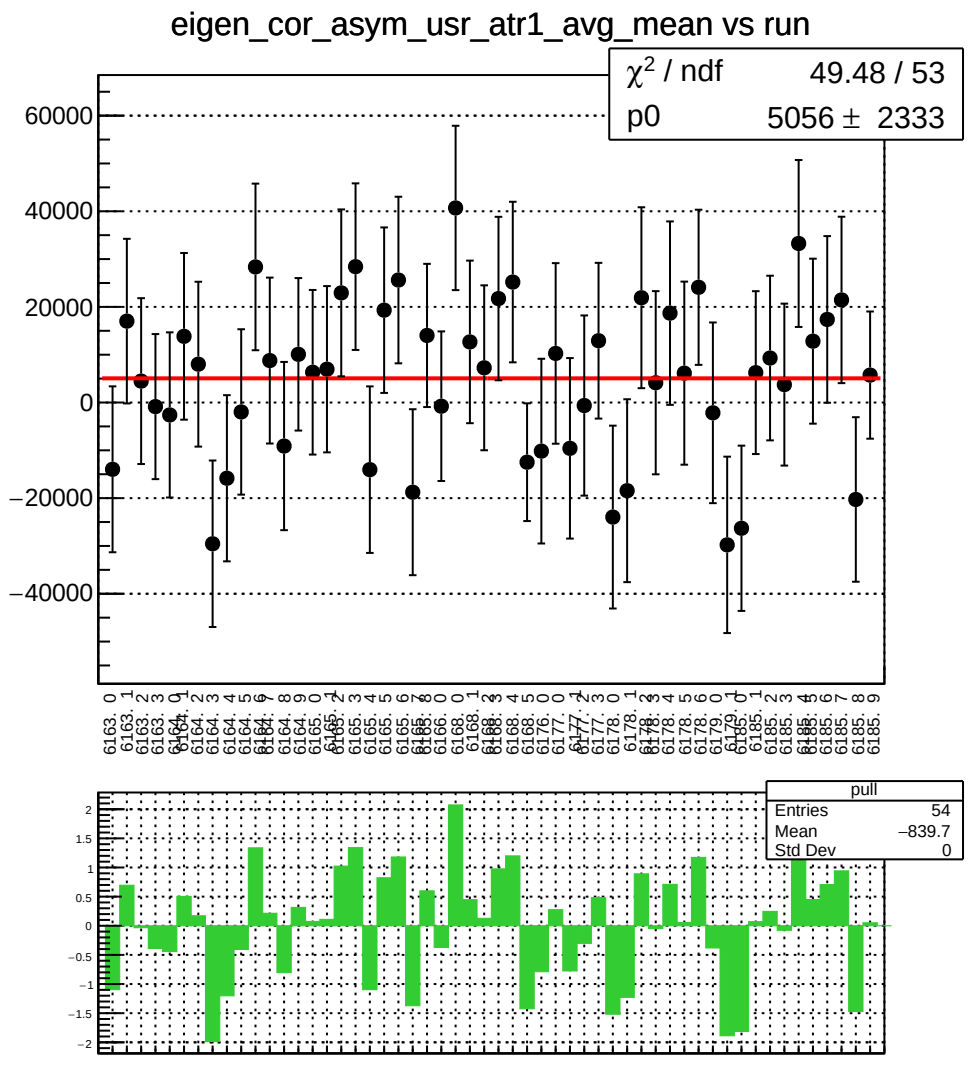

pull1D
Entries 54
Mean −0.0005699
Std Dev 0.9572

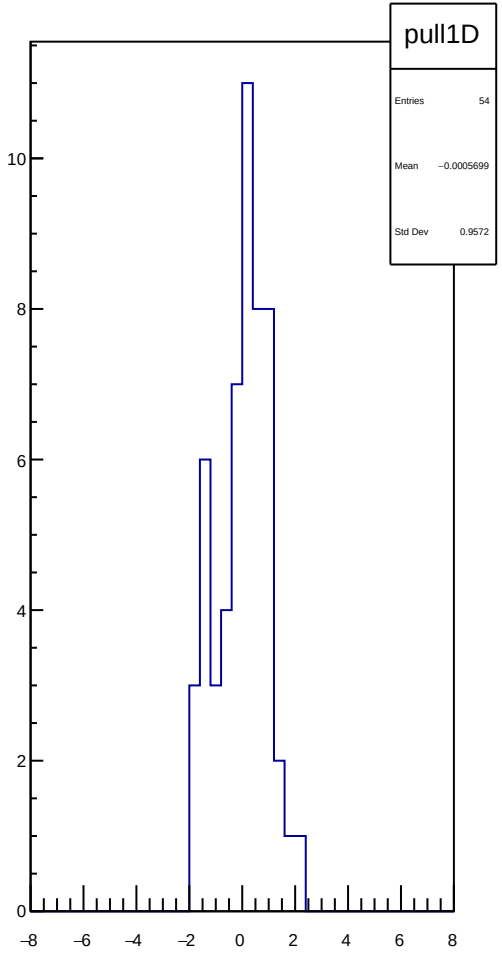

cor_asym_usr_atr1_avg_rms vs run
χ² / ndf 1765 / 53
p0 1675 ± 1.65
1850
1800
1750
1700
1650
1600
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

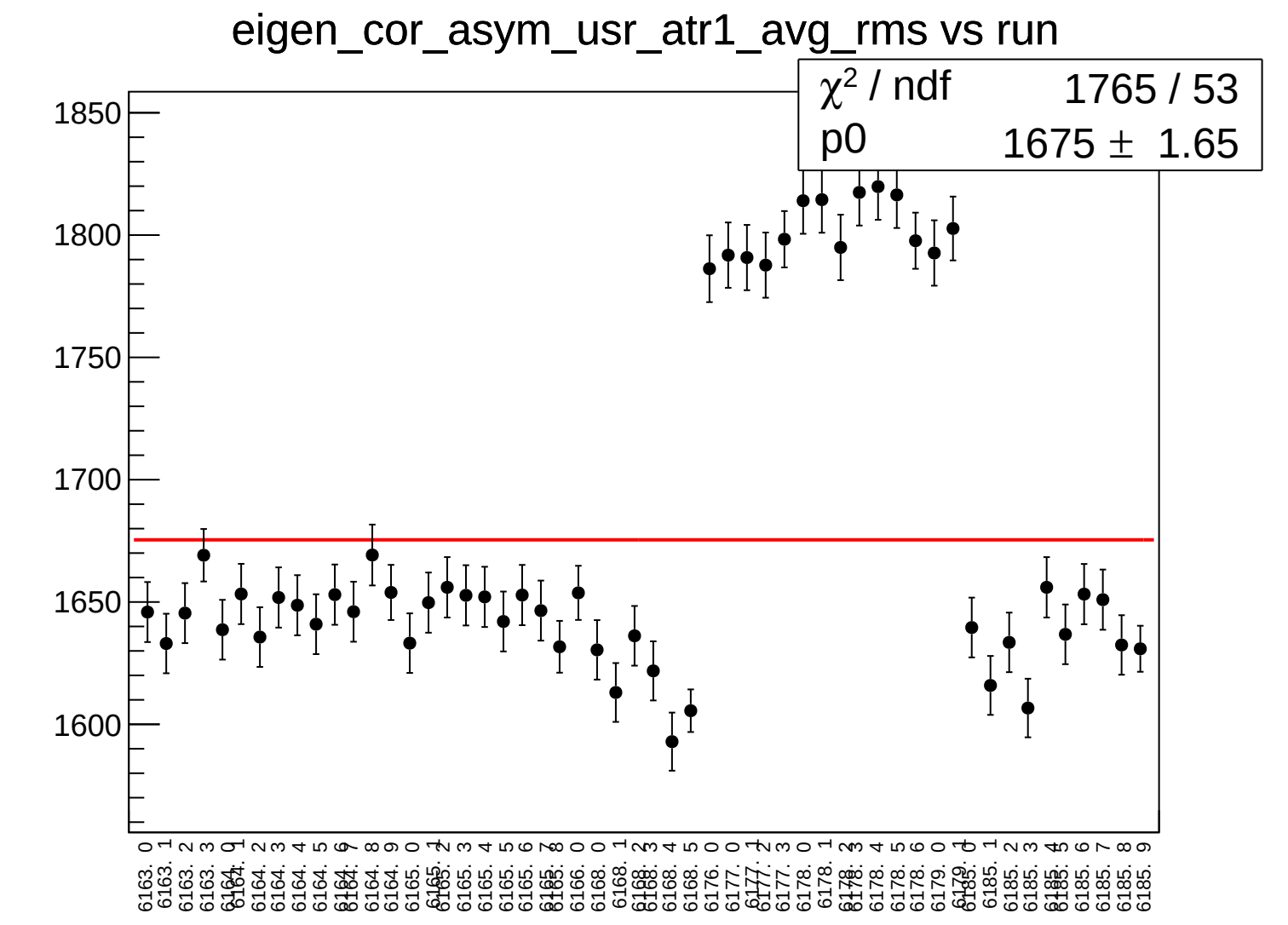

asym_usr_atr1_avg_cor_correction_mean vs run
χ² / ndf 58.8 / 53
p0 −2352 ± 1739
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 9.87
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

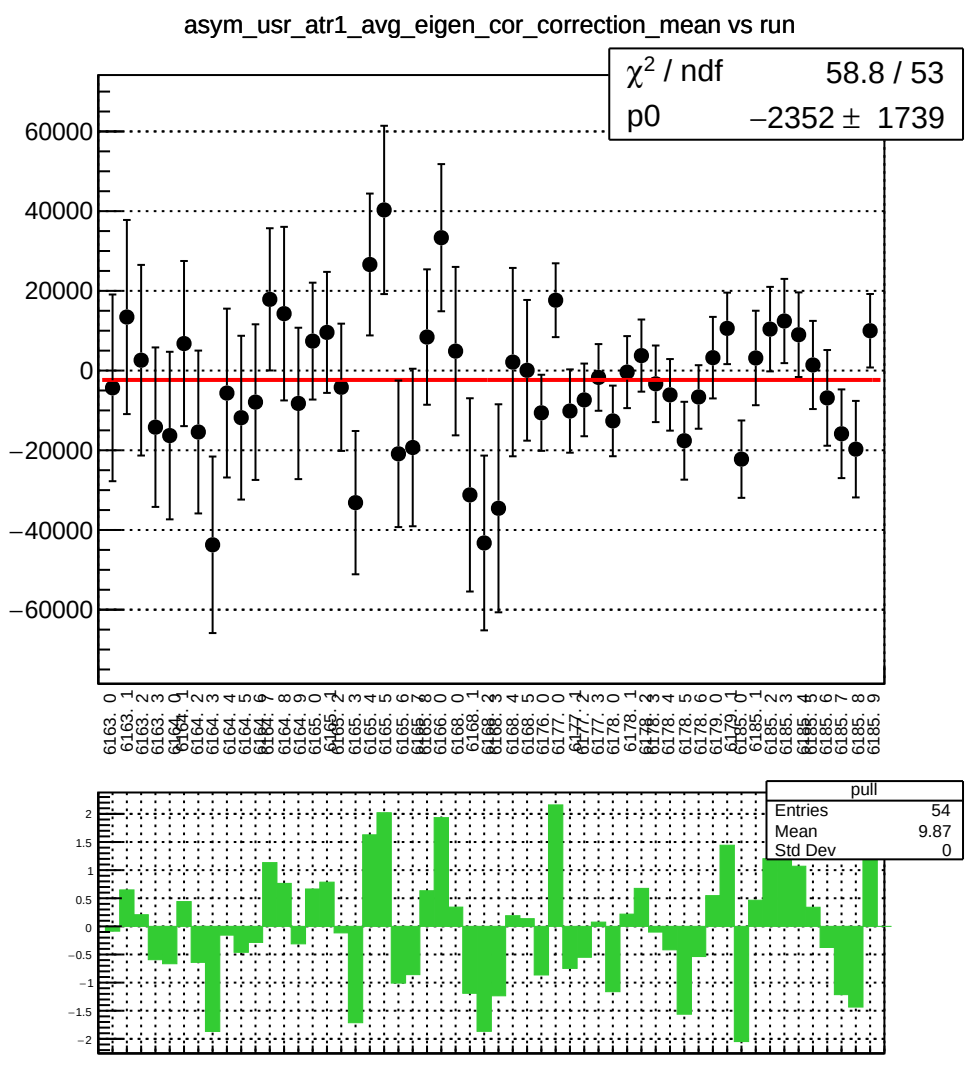

pull1D
Entries 54
Mean −0.02946
Std Dev 1.043
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

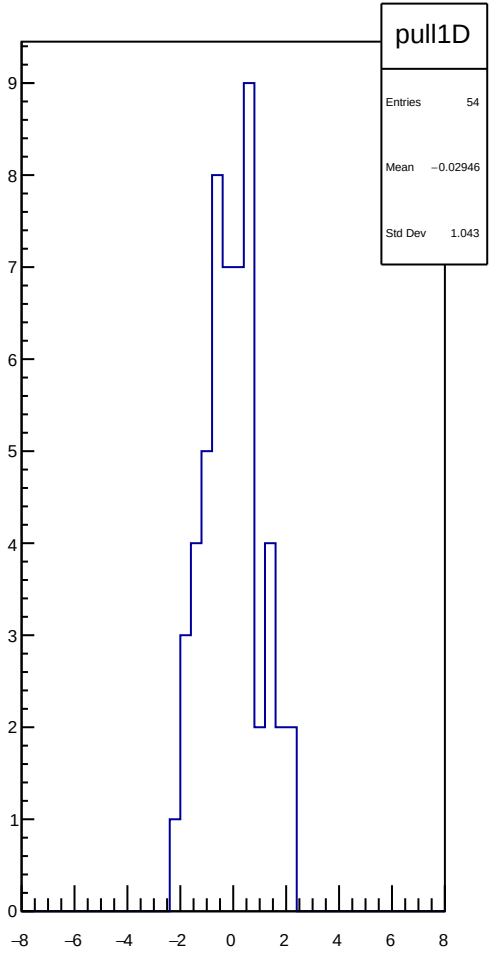

asym_usr_atr1_avg_cor_correction_rms vs run
χ² / ndf 1.255e+05 / 53
p0 1171 ± 1.229
2600
2400
2200
2000
1800
1600
1400
1200
1000
800
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

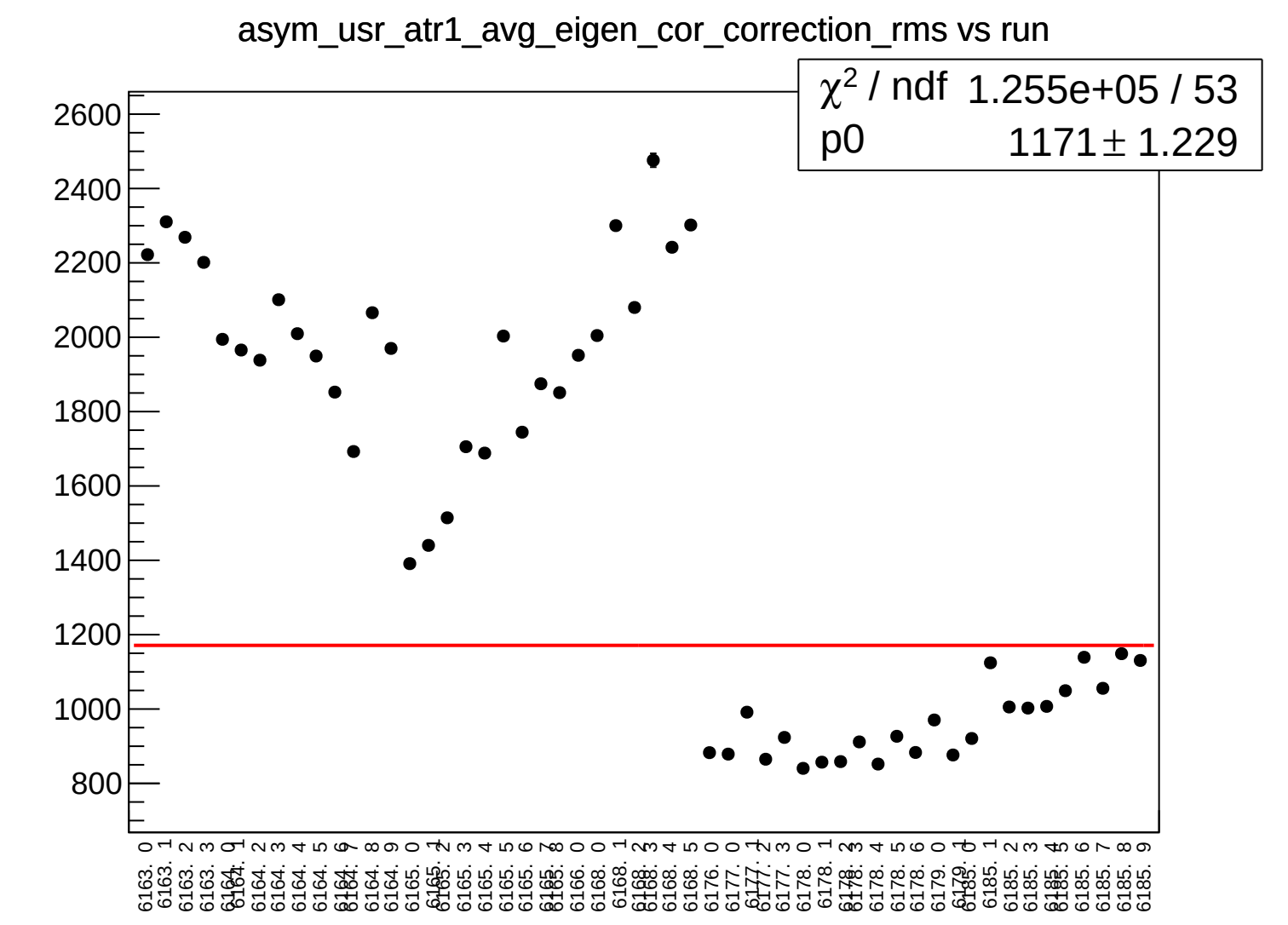

eigen_cor_asym_usr_atr1_avg_mean vs run
χ² / ndf 49.48 / 53
p0 5056 ± 2333
pull
Entries 54
Mean −839.7
Std Dev 0

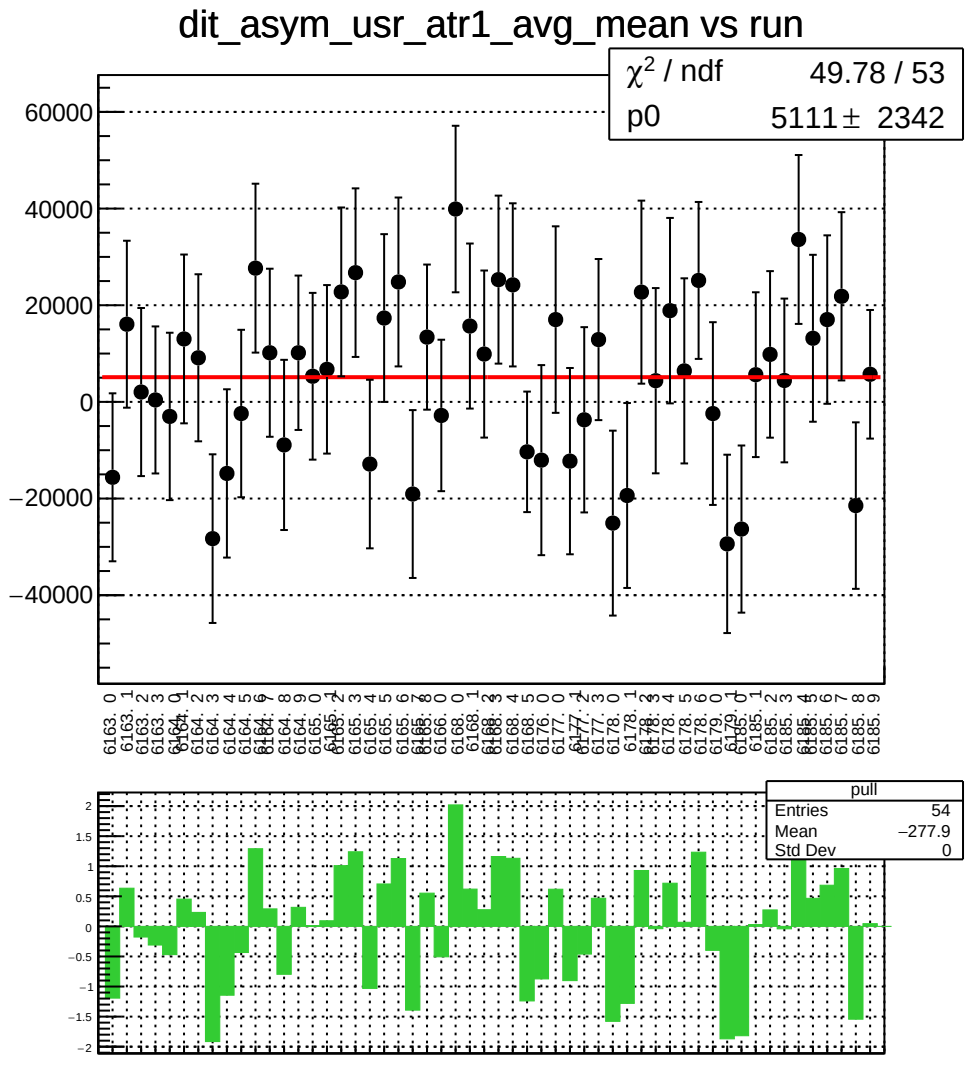

pull1D
Entries 54
Mean −0.0005699
Std Dev 0.9572

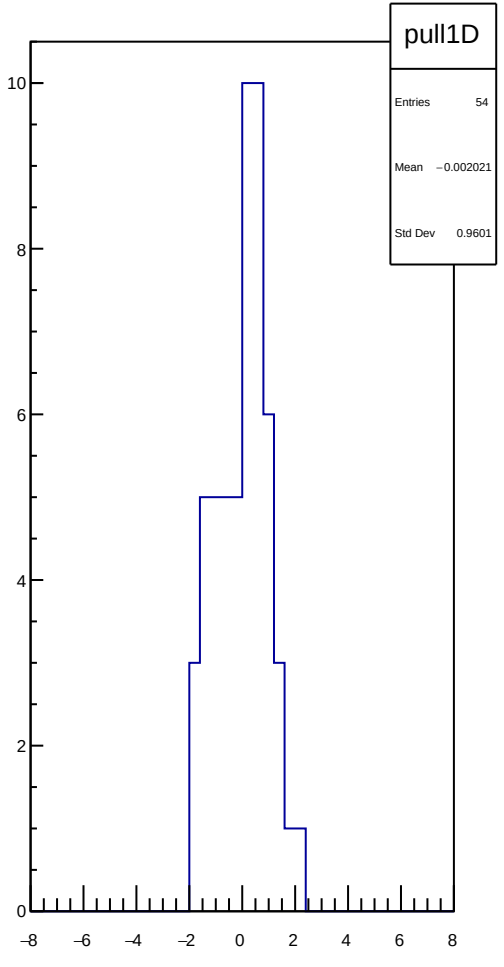

eigen_cor_asym_usr_atr1_avg_rms vs run
χ² / ndf 1765 / 53
p0 1675 ± 1.65
1850
1800
1750
1700
1650
1600
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

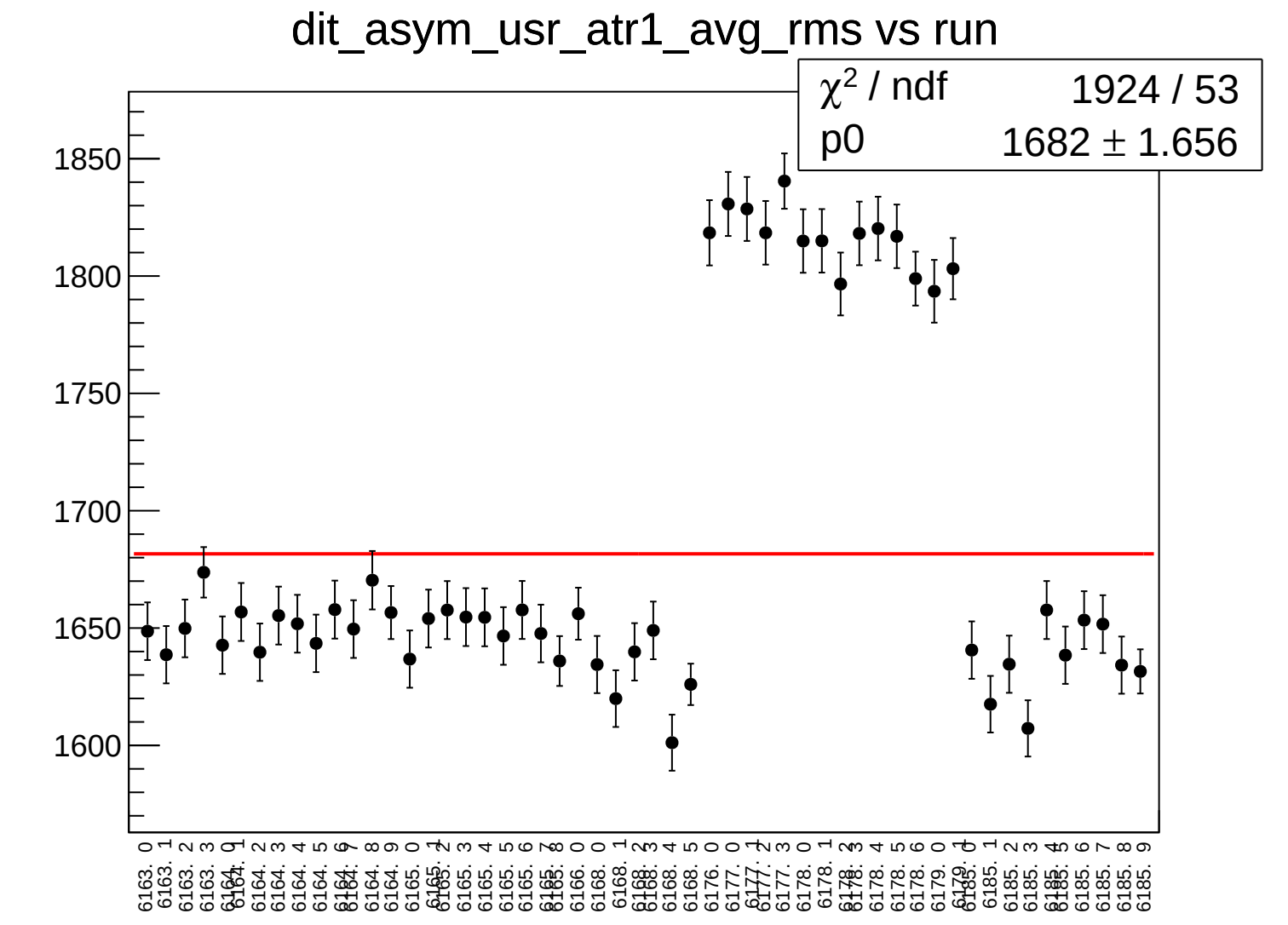

asym_usr_atr1_avg_eigen_cor_correction_mean vs run
χ² / ndf 58.8 / 53
p0 −2352 ± 1739
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 9.87
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 54
Mean −0.02946
Std Dev 1.043
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_usr_atr1_avg_eigen_cor_correction_rms vs run
χ² / ndf 1.255e+05 / 53
p0 1171 ± 1.229
2600
2400
2200
2000
1800
1600
1400
1200
1000
800
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


dit_asym_usr_atr1_avg_mean vs run
χ² / ndf 49.78 / 53
p0 5111 ± 2342
60000
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −277.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 54
Mean −0.002021
Std Dev 0.9601
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_usr_atr1_avg_rms vs run
χ² / ndf 1924 / 53
p0 1682 ± 1.656
1850
1800
1750
1700
1650
1600
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
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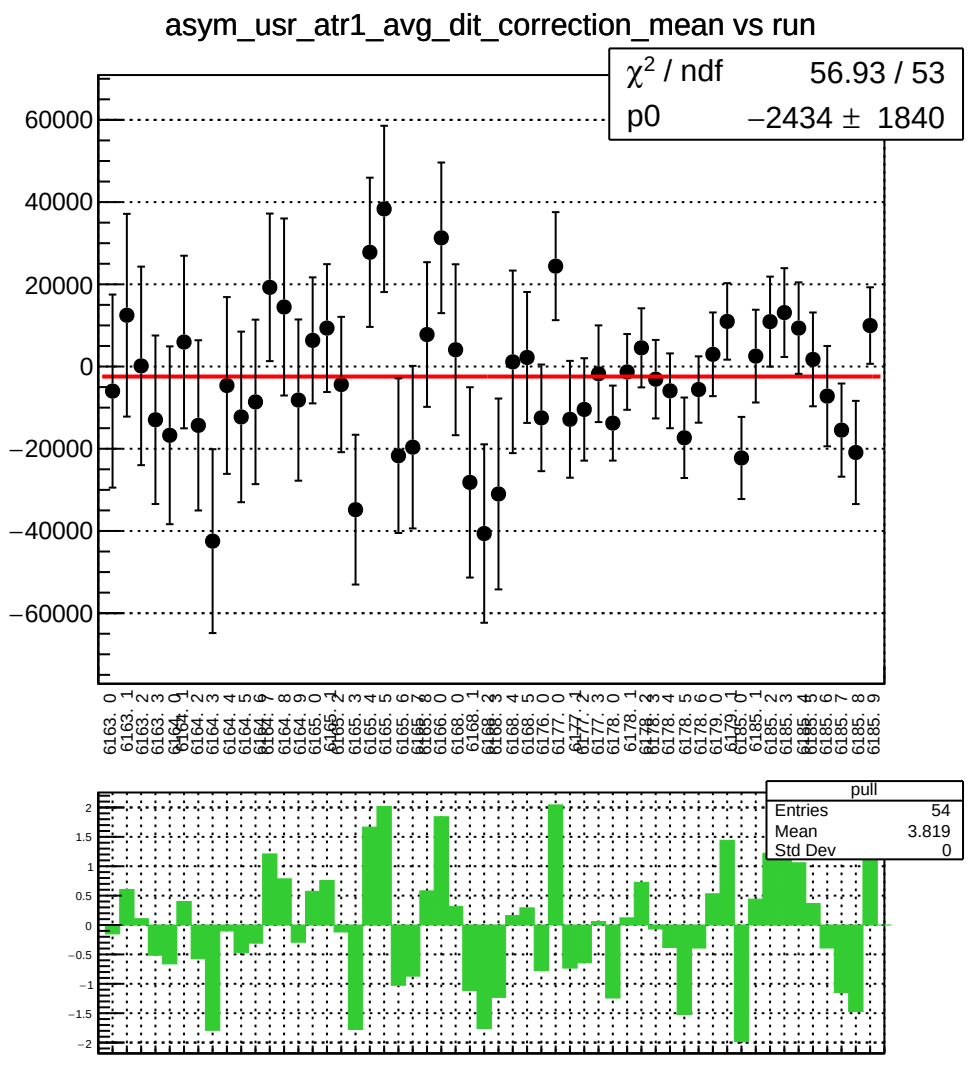
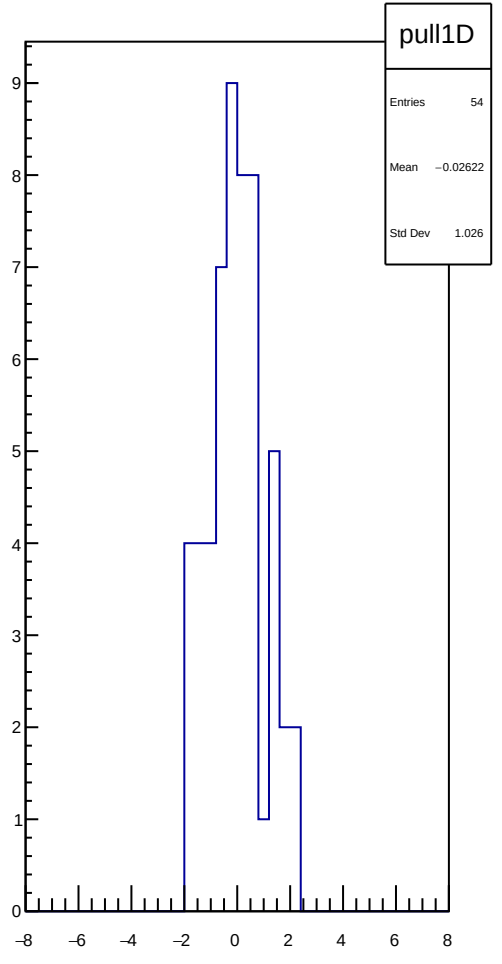
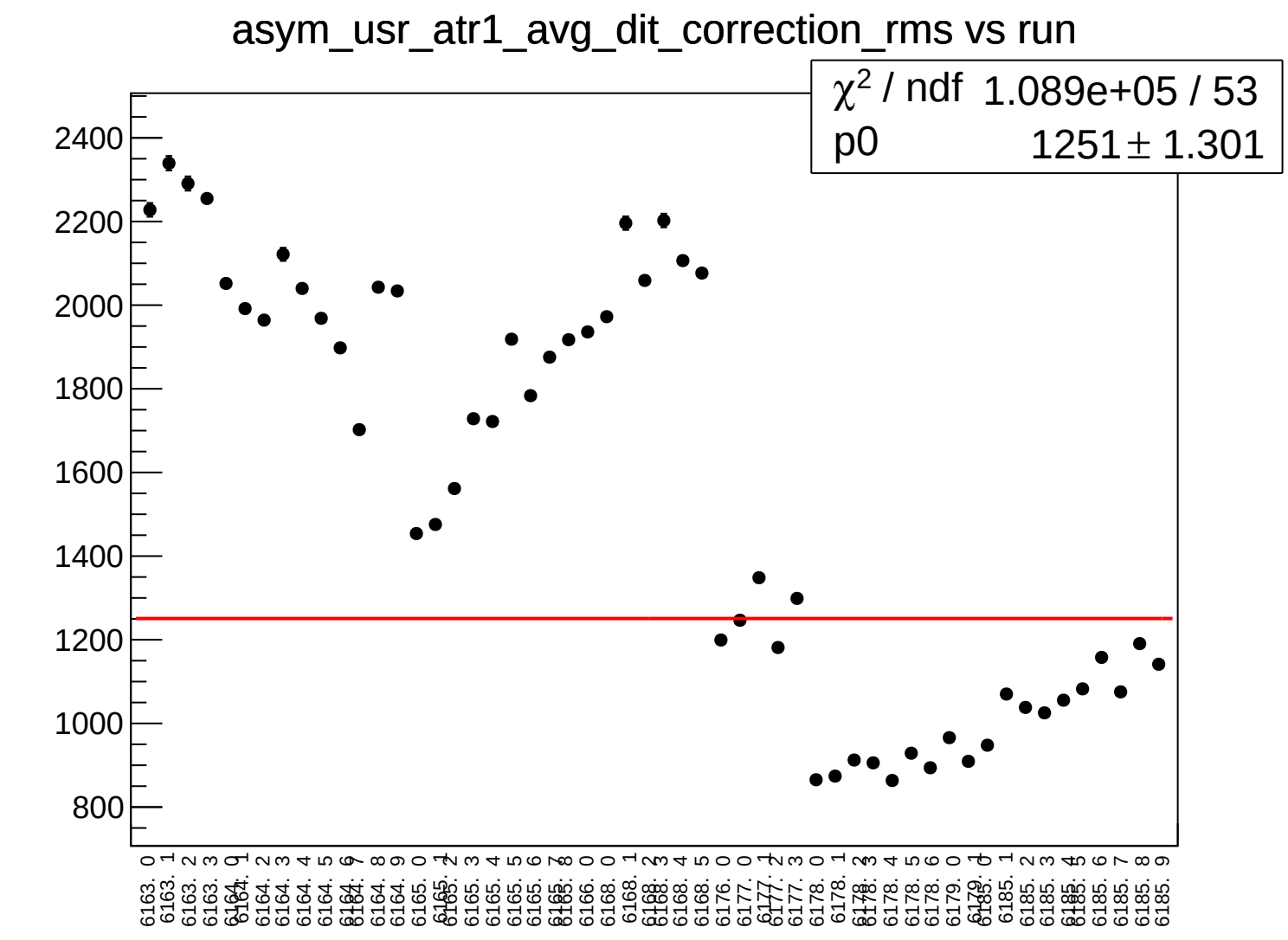
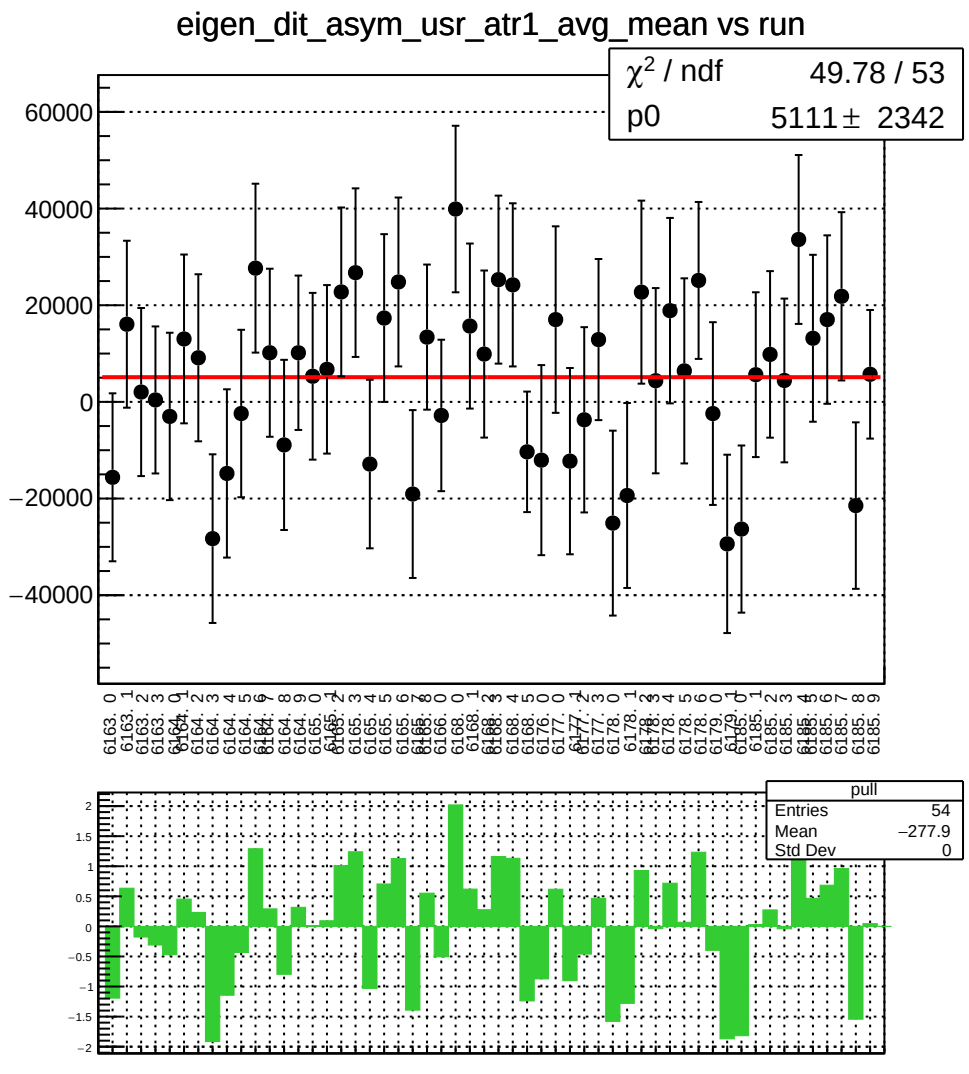
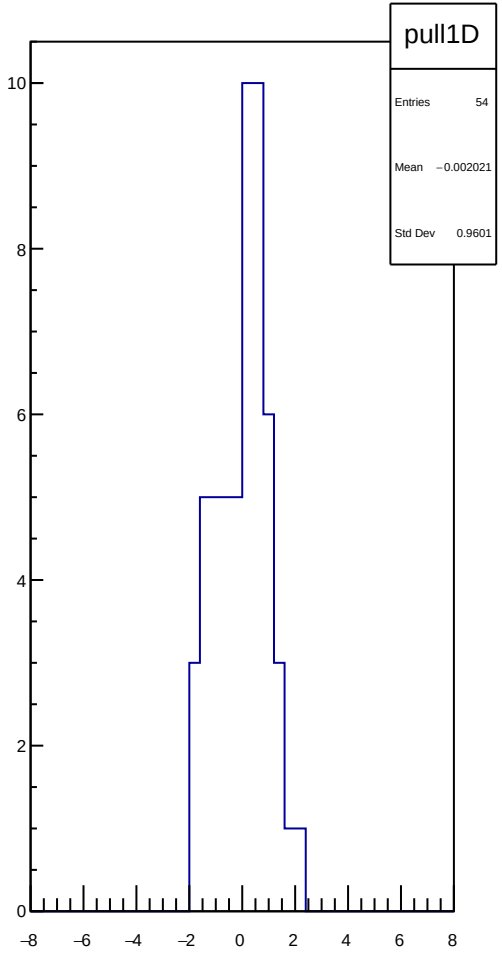
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

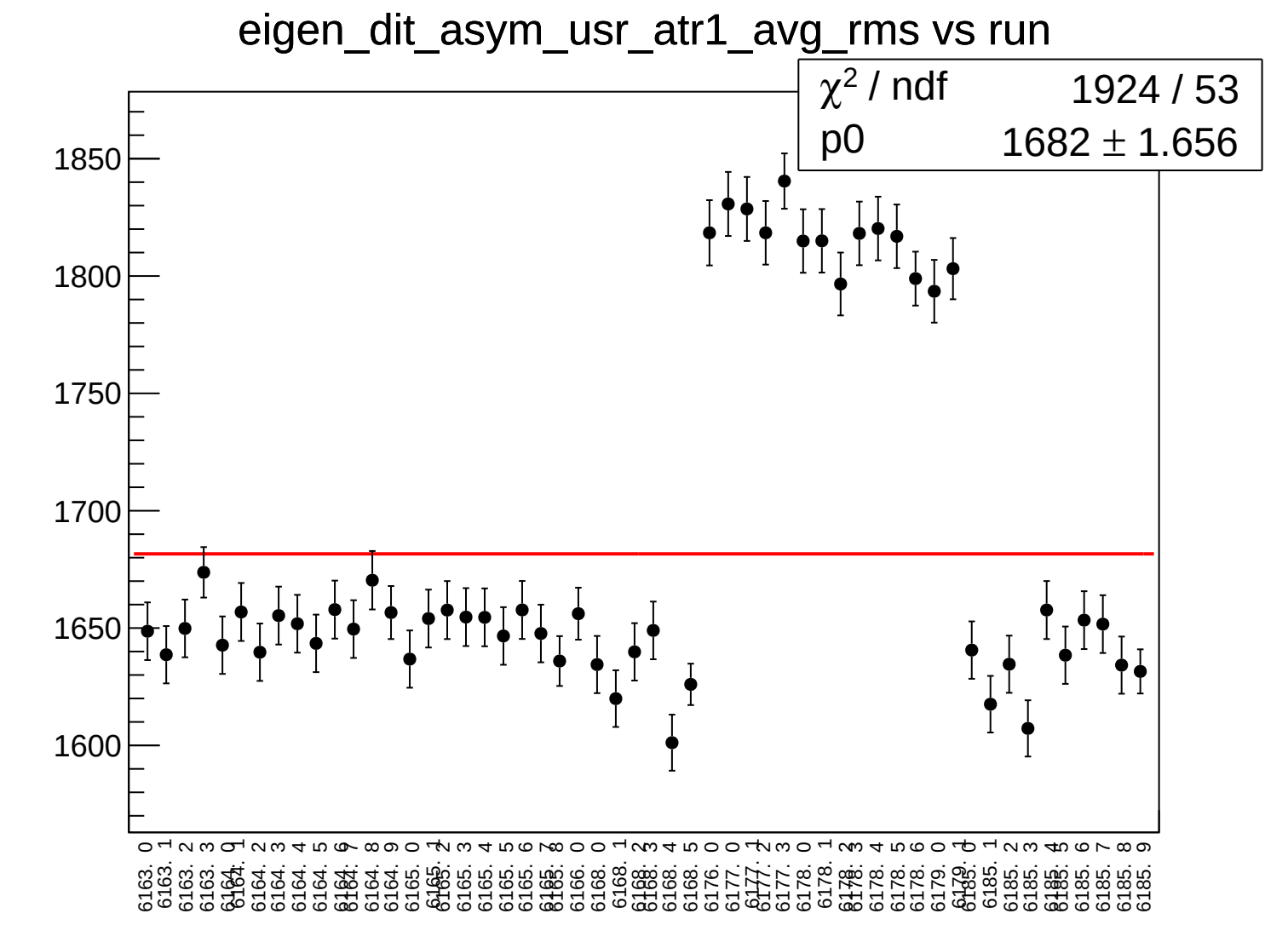

asym_usr_atr1_avg_dit_correction_mean vs run
χ² / ndf 56.93 / 53
p0 −2434 ± 1840
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 3.819
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

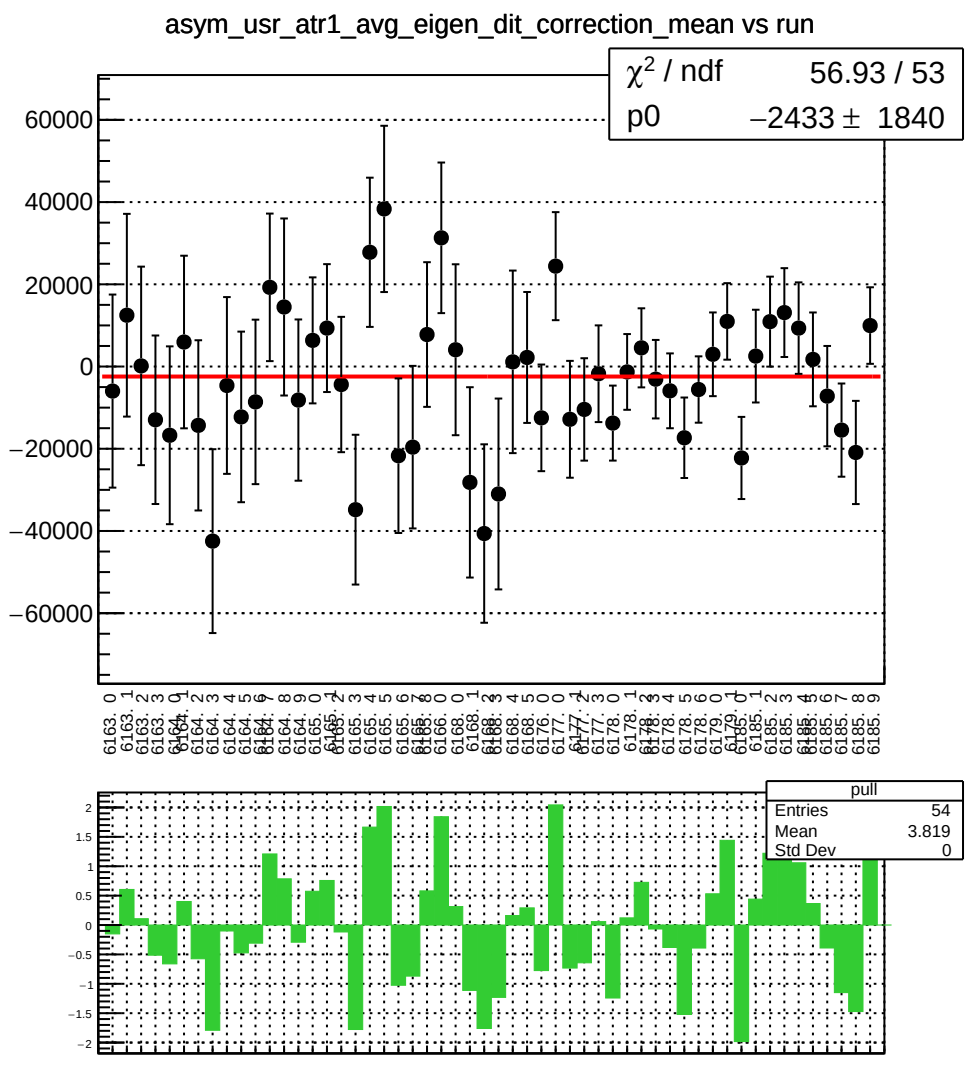

pull1D
Entries 54
Mean −0.02622
Std Dev 1.026
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

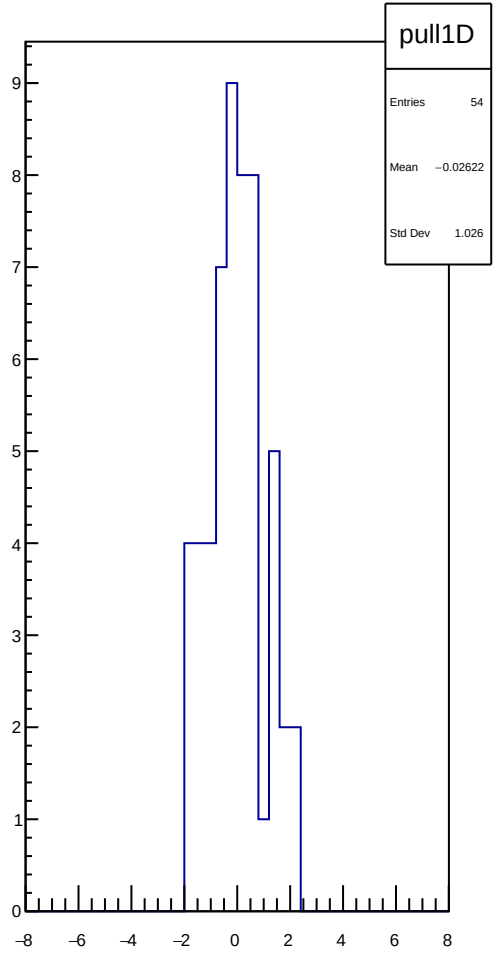

asym_usr_atr1_avg_dit_correction_rms vs run
χ² / ndf 1.089e+05 / 53
p0 1251 ± 1.301
2400
2200
2000
1800
1600
1400
1200
1000
800
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

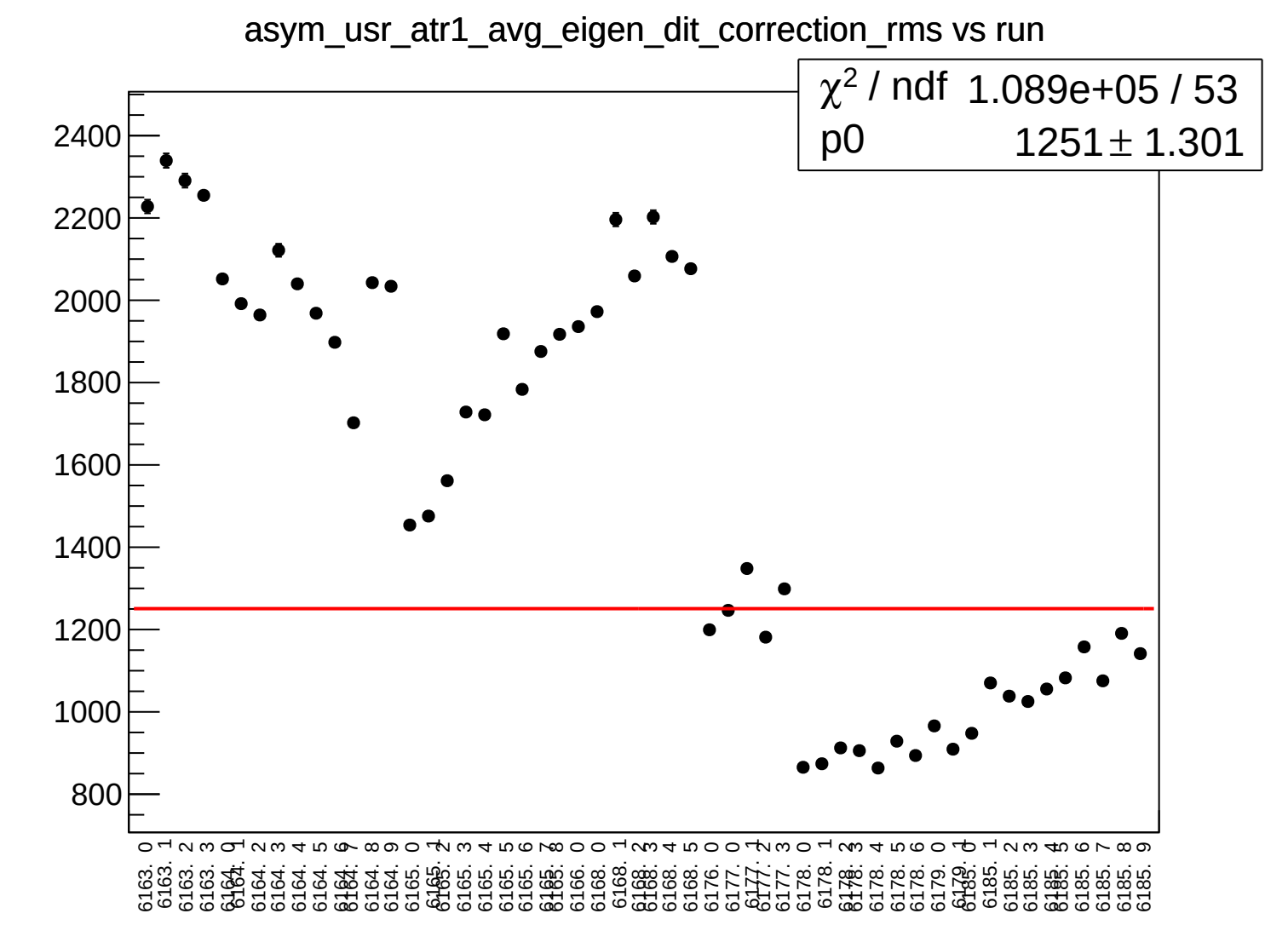

eigen_dit_asym_usr_atr1_avg_mean vs run
χ² / ndf 49.78 / 53
p0 5111 ± 2342
pull
Entries 54
Mean −277.9
Std Dev 0

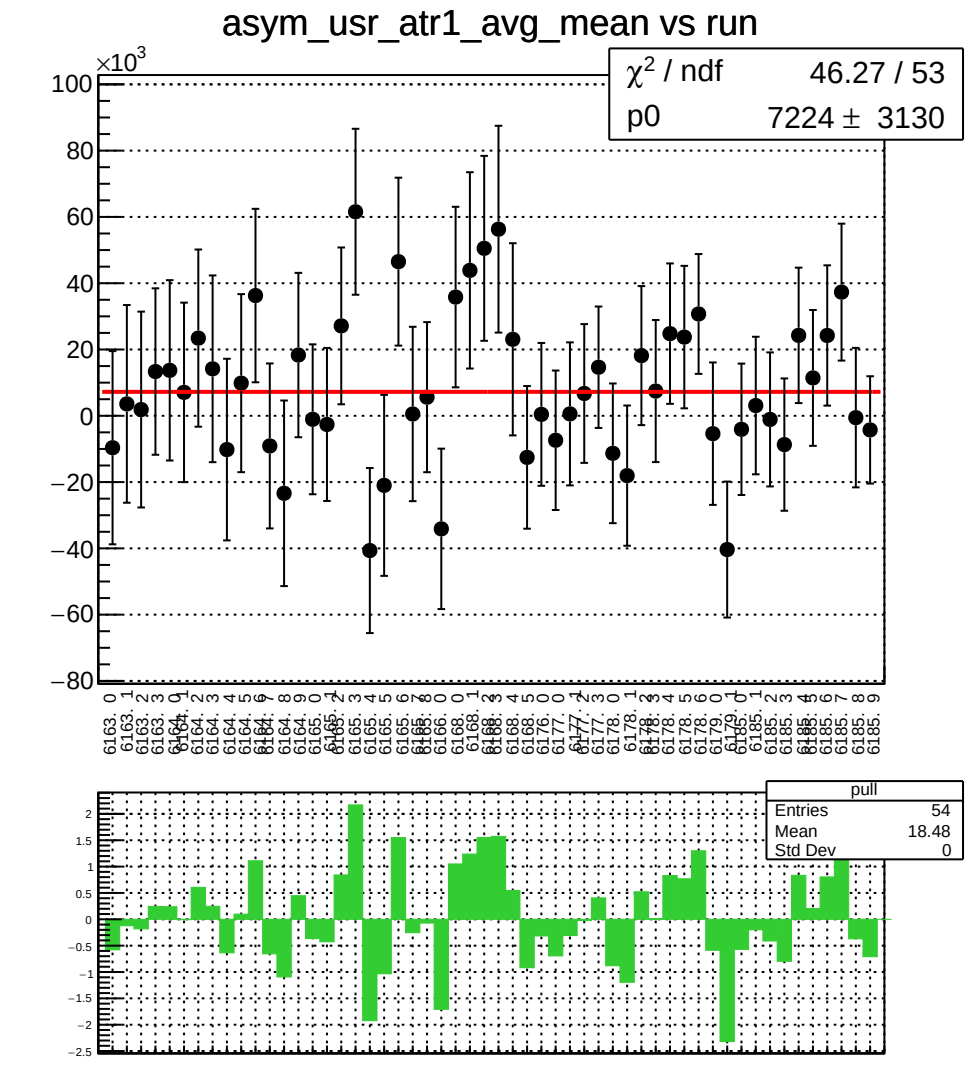

pull1D
Entries 54
Mean −0.002021
Std Dev 0.9601

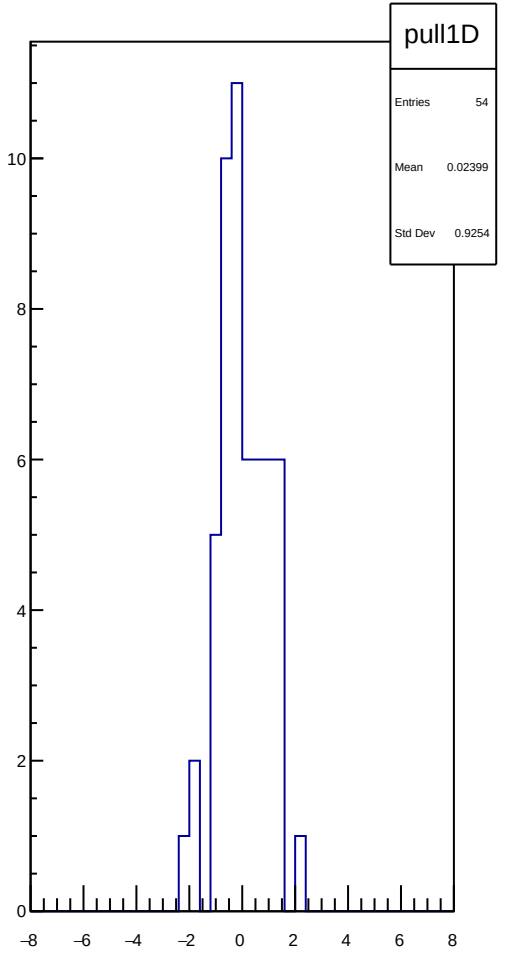

eigen_dit_asym_usr_atr1_avg_rms vs run
χ² / ndf 1924 / 53
p0 1682 ± 1.656
1850
1800
1750
1700
1650
1600
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

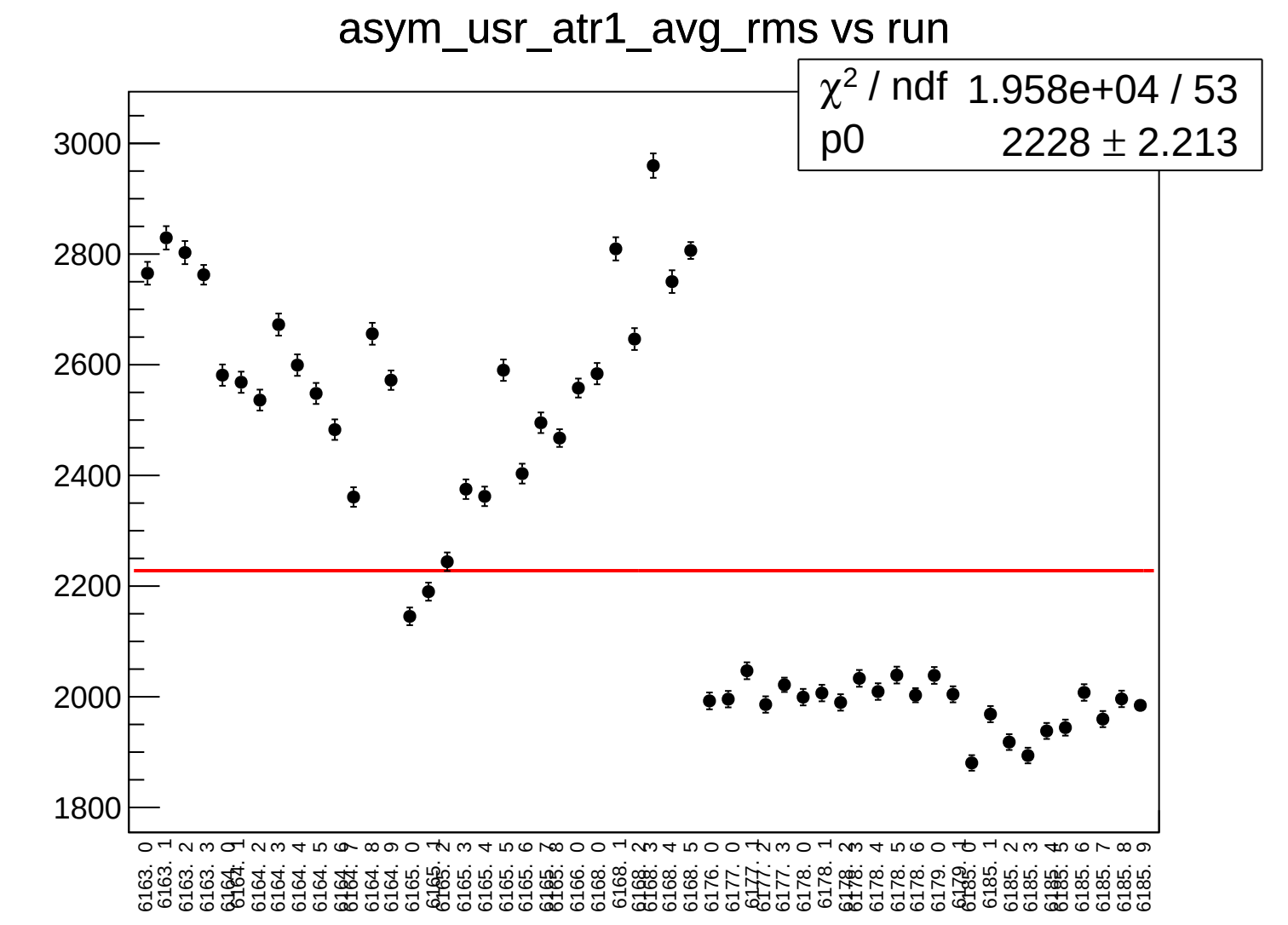

asym_usr_atr1_avg_eigen_dit_correction_mean vs run
χ² / ndf 56.93 / 53
p0 −2433 ± 1840
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 3.819
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

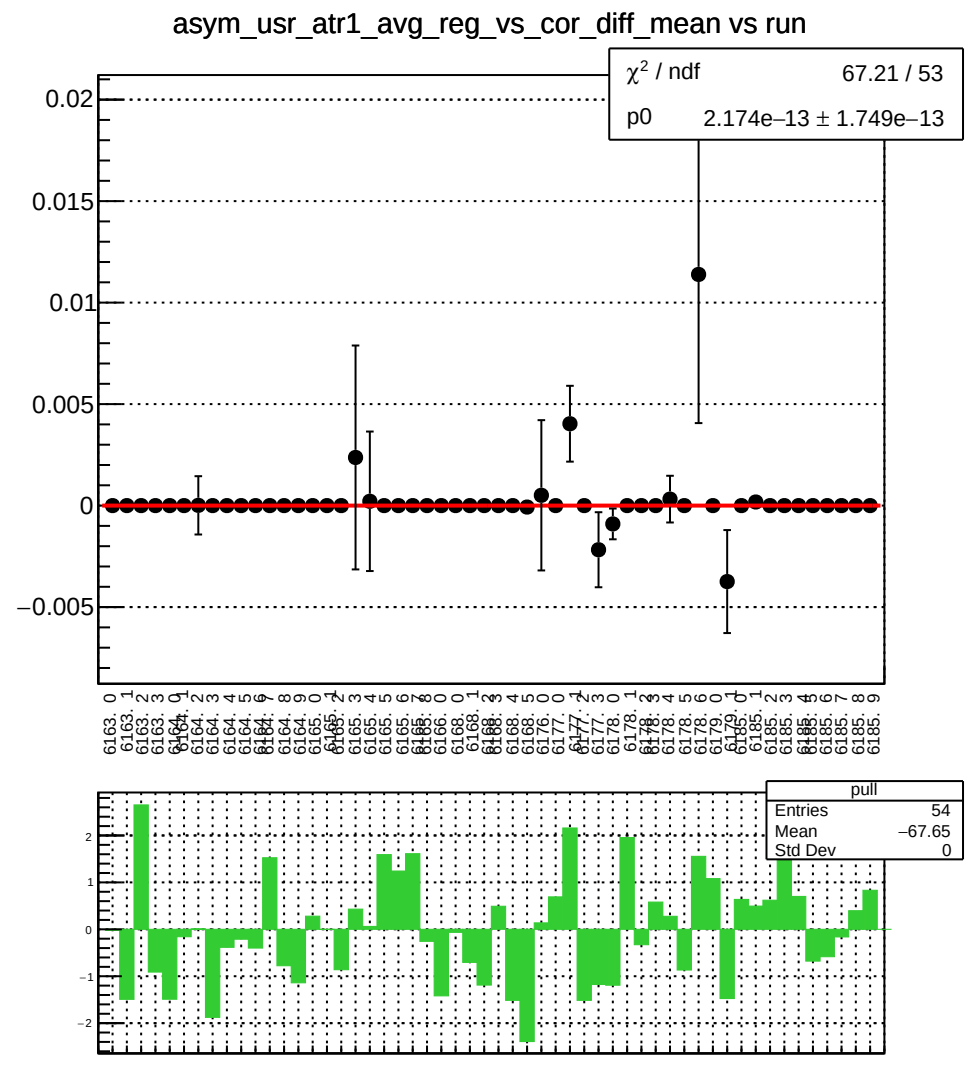

pull1D
Entries 54
Mean −0.02622
Std Dev 1.026
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

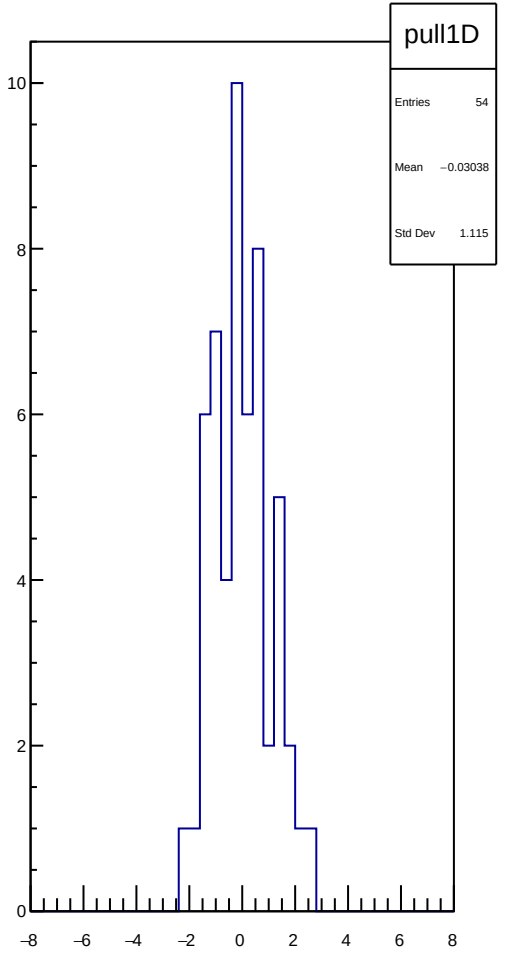

asym_usr_atr1_avg_eigen_dit_correction_rms vs run
χ² / ndf 1.089e+05 / 53
p0 1251 ± 1.301
2400
2200
2000
1800
1600
1400
1200
1000
800
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

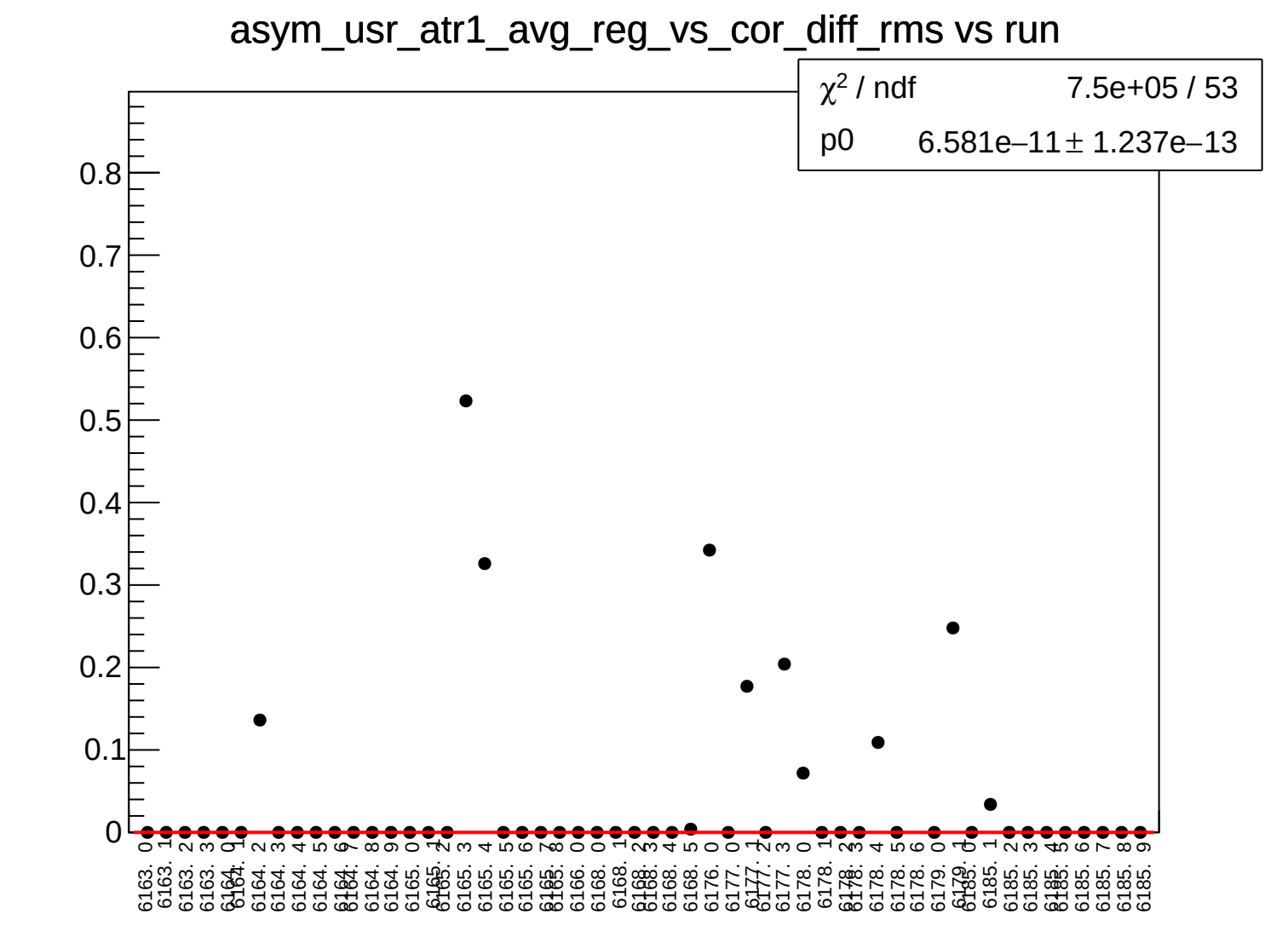

asym_usr_atr1_avg_mean vs run
χ² / ndf 46.27 / 53
p0 7224 ± 3130
pull
Entries 54
Mean 18.48
Std Dev 0

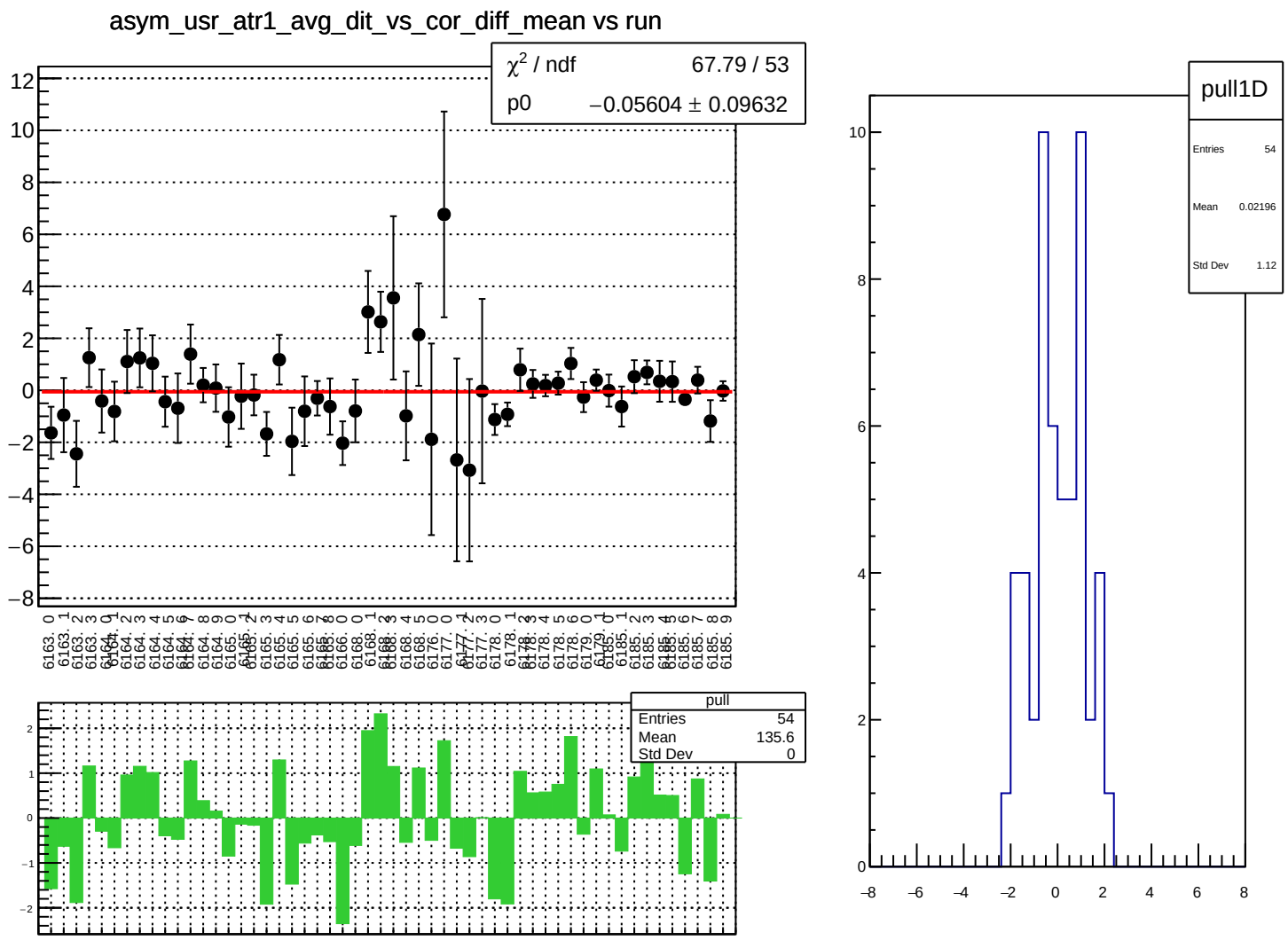

pull1D
Entries 54
Mean 0.02399
Std Dev 0.9254

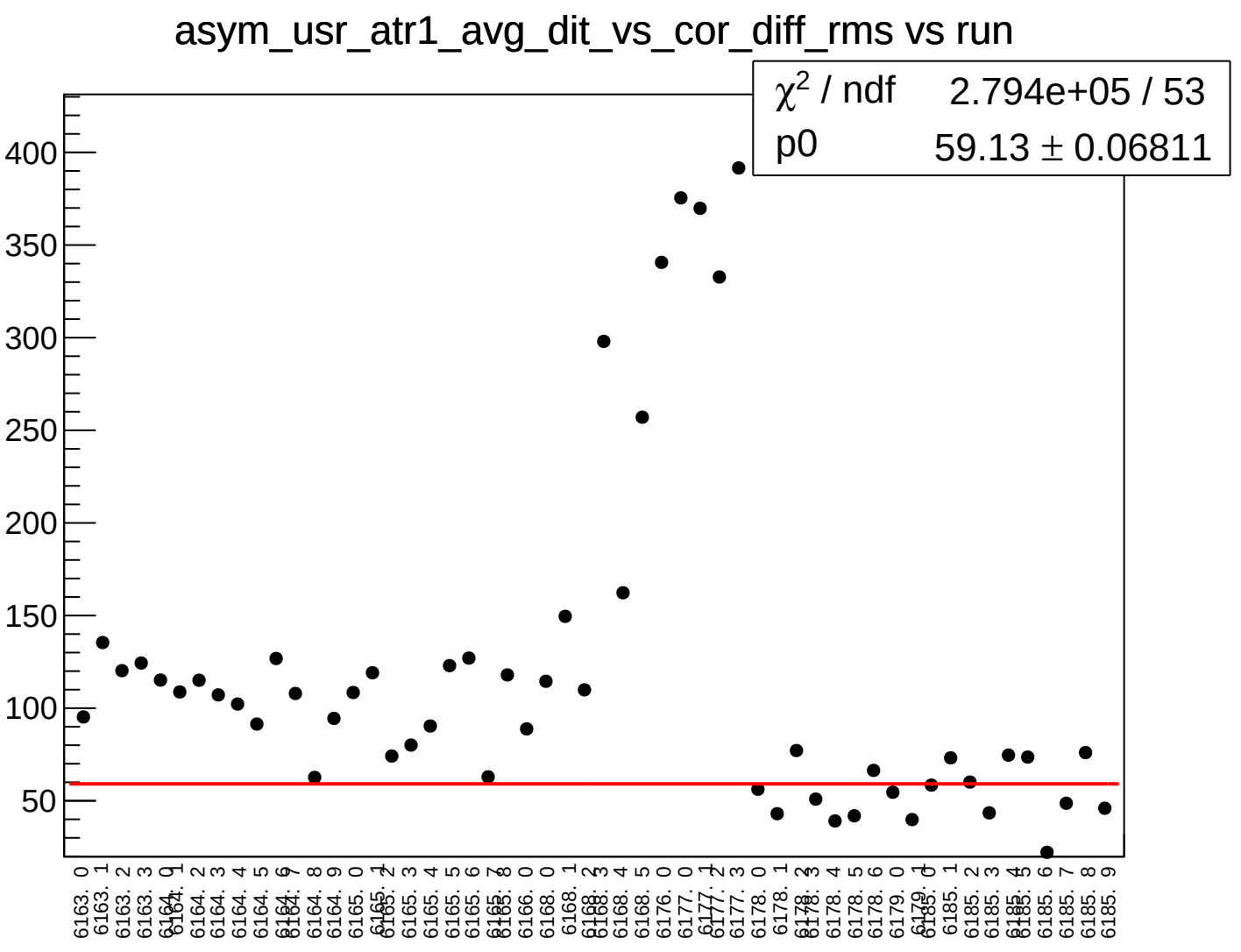

asym_usr_atr1_avg_rms vs run
χ² / ndf 1.958e+04 / 53
p0 2228 ± 2.213
3000
2800
2600
2400
2200
2000
1800
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

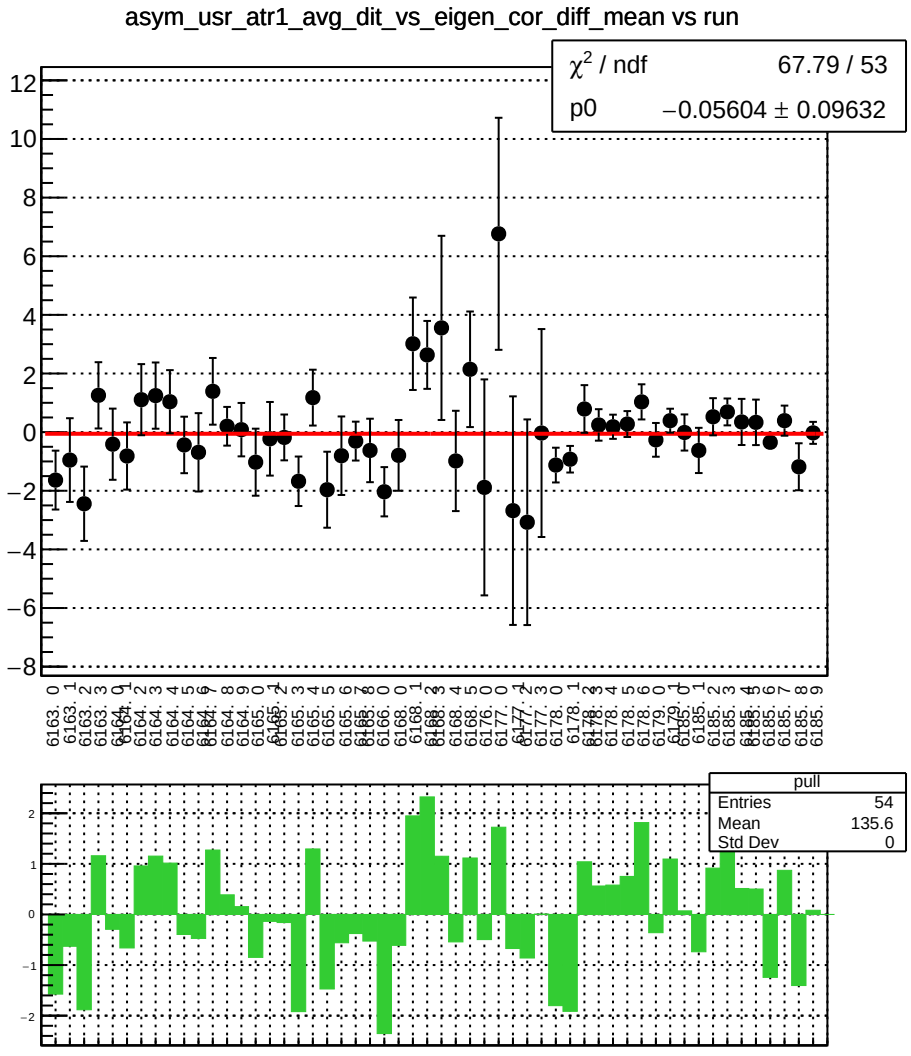

asym_usr_atr1_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 67.21 / 53
p0 2.174e−13 ± 1.749e−13
pull
Entries 54
Mean −67.65
Std Dev 0

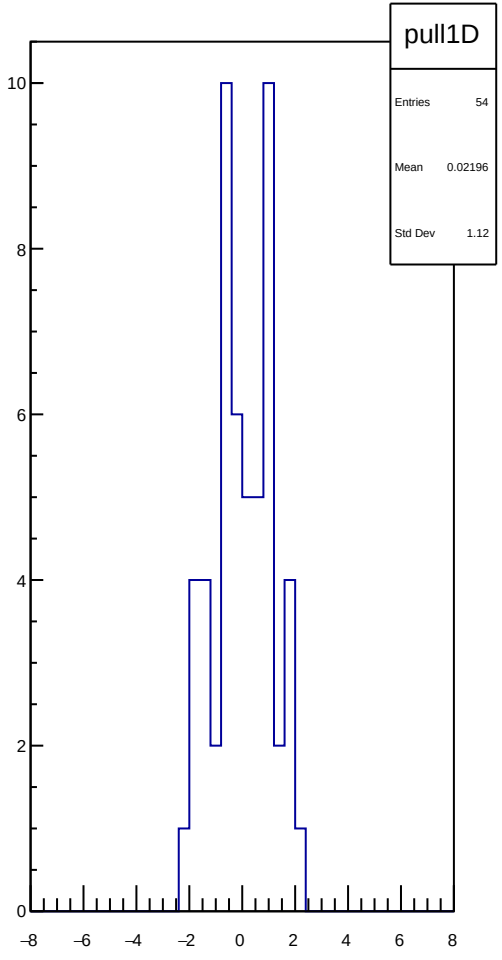

pull1D
Entries 54
Mean −0.03038
Std Dev 1.115

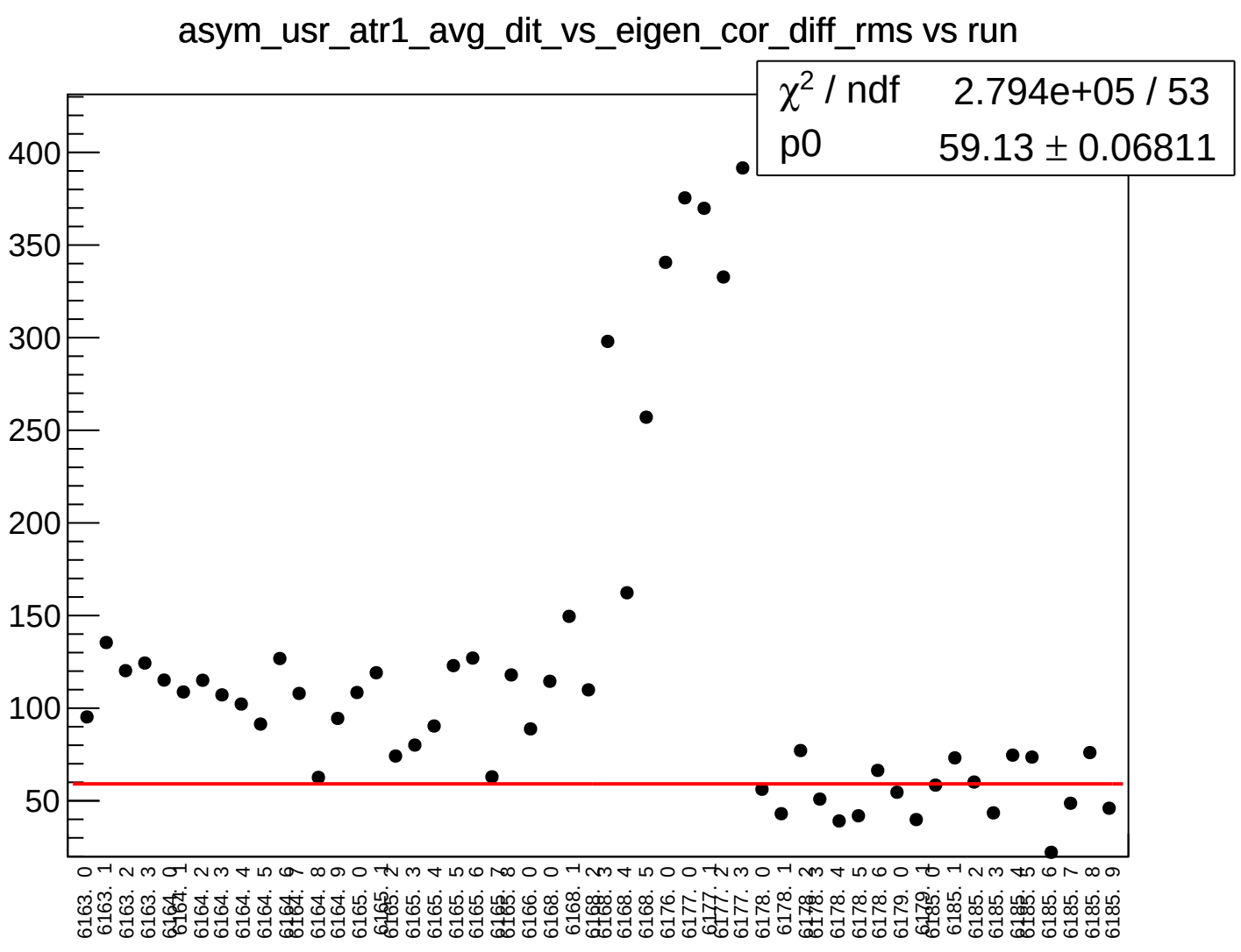

asym_usr_atr1_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 7.5e+05 / 53
p0 6.581e−11 ± 1.237e−13
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 2
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 3
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

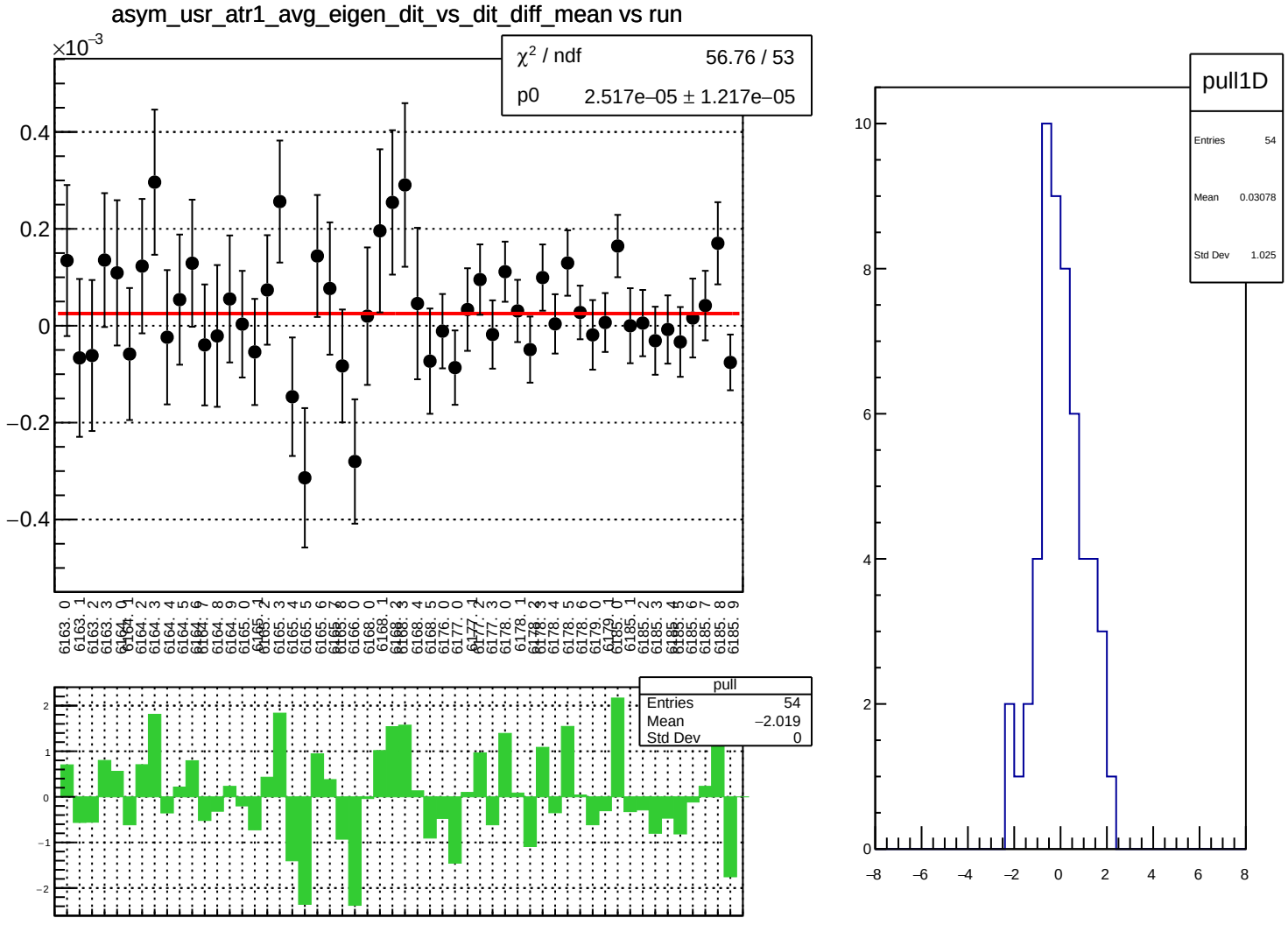

asym_usr_atr1_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 67.79 / 53
p0 −0.05604 ± 0.09632
pull
Entries 54
Mean 135.6
Std Dev 0
pull1D
Entries 54
Mean 0.02196
Std Dev 1.12

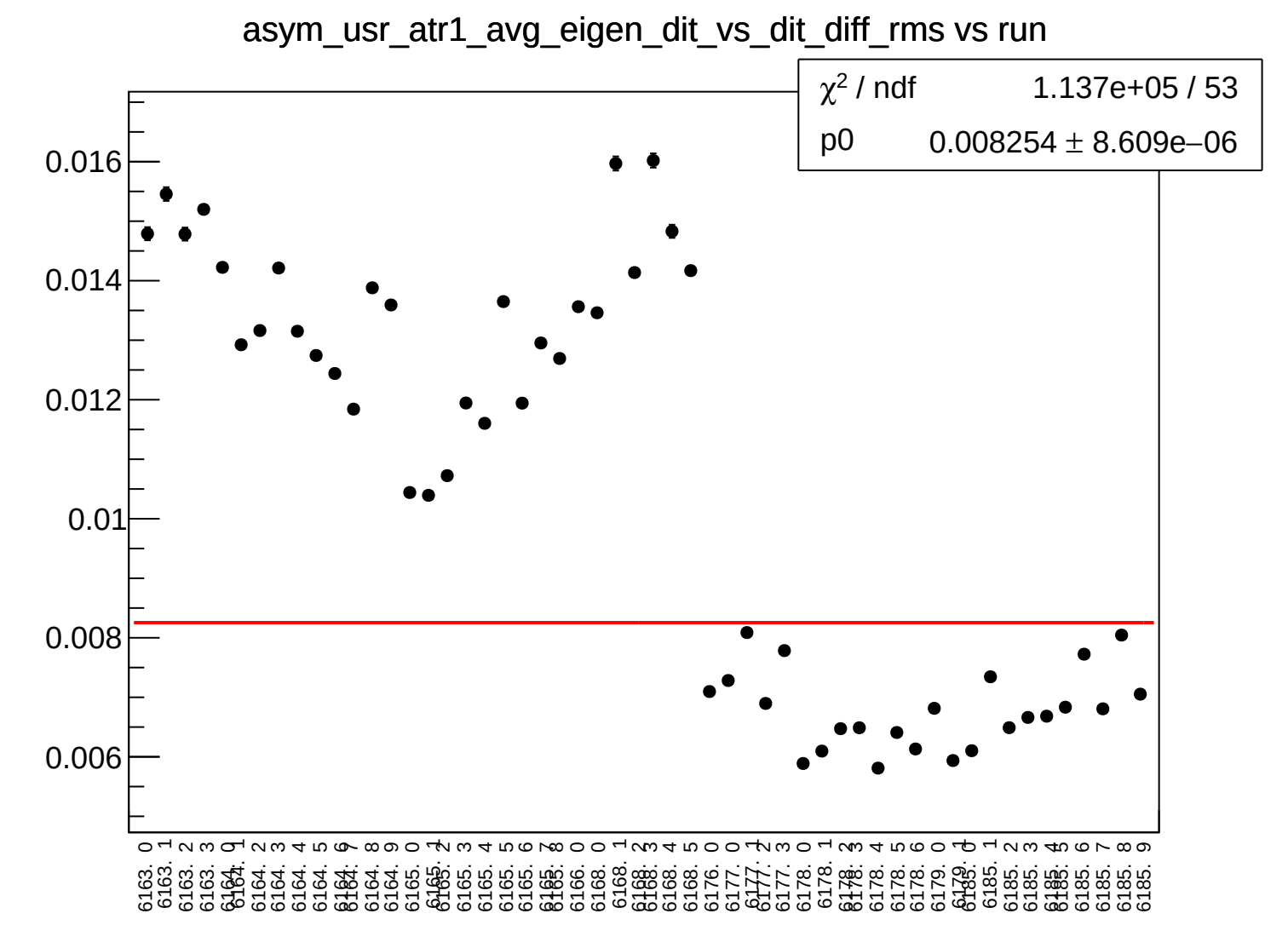

asym_usr_atr1_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 2.794e+05 / 53
p0 59.13 ± 0.06811
400
350
300
250
200
150
100
50
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

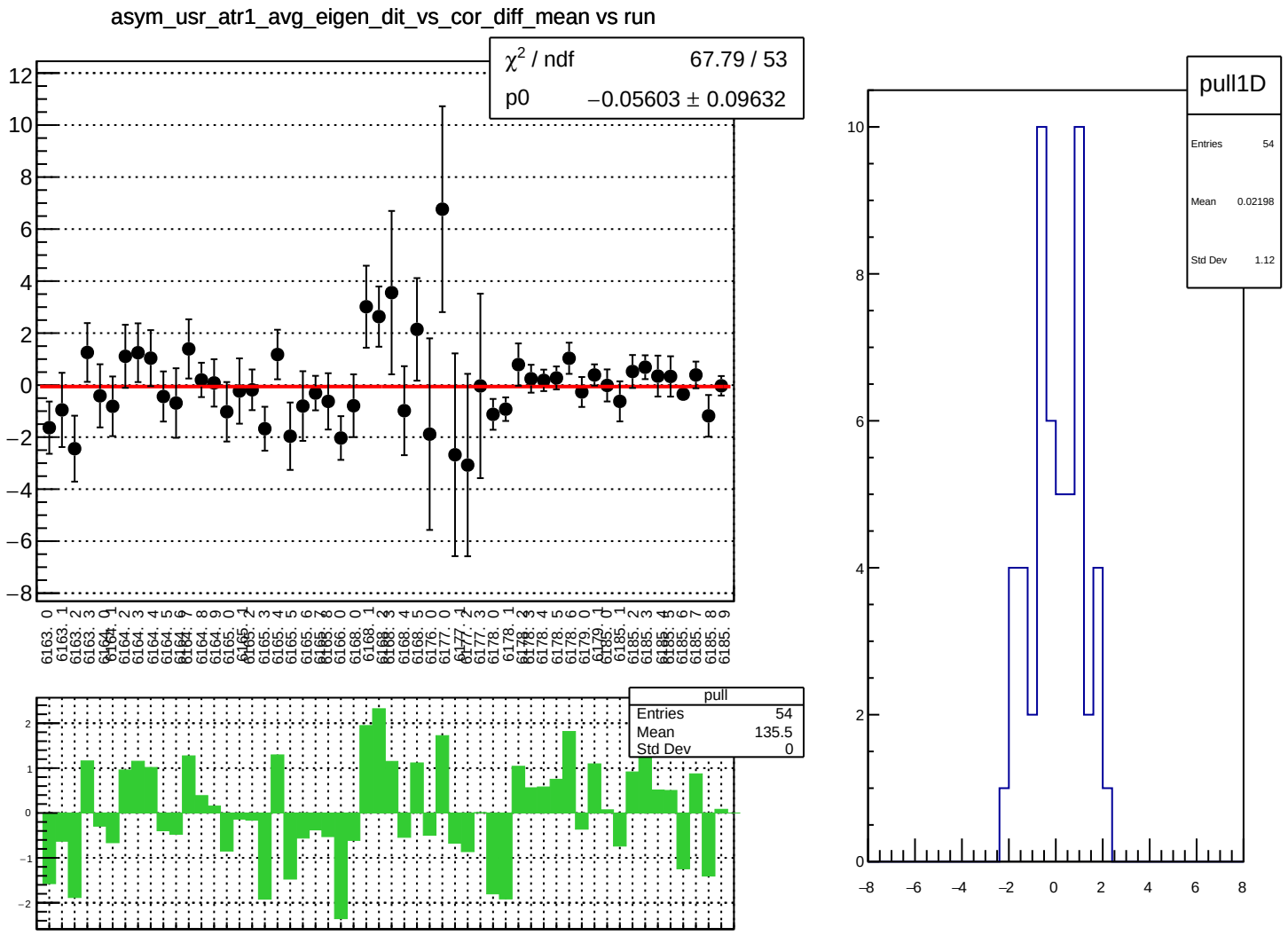

asym_usr_atr1_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 67.79 / 53
p0 −0.05604 ± 0.09632
pull
Entries 54
Mean 135.6
Std Dev 0

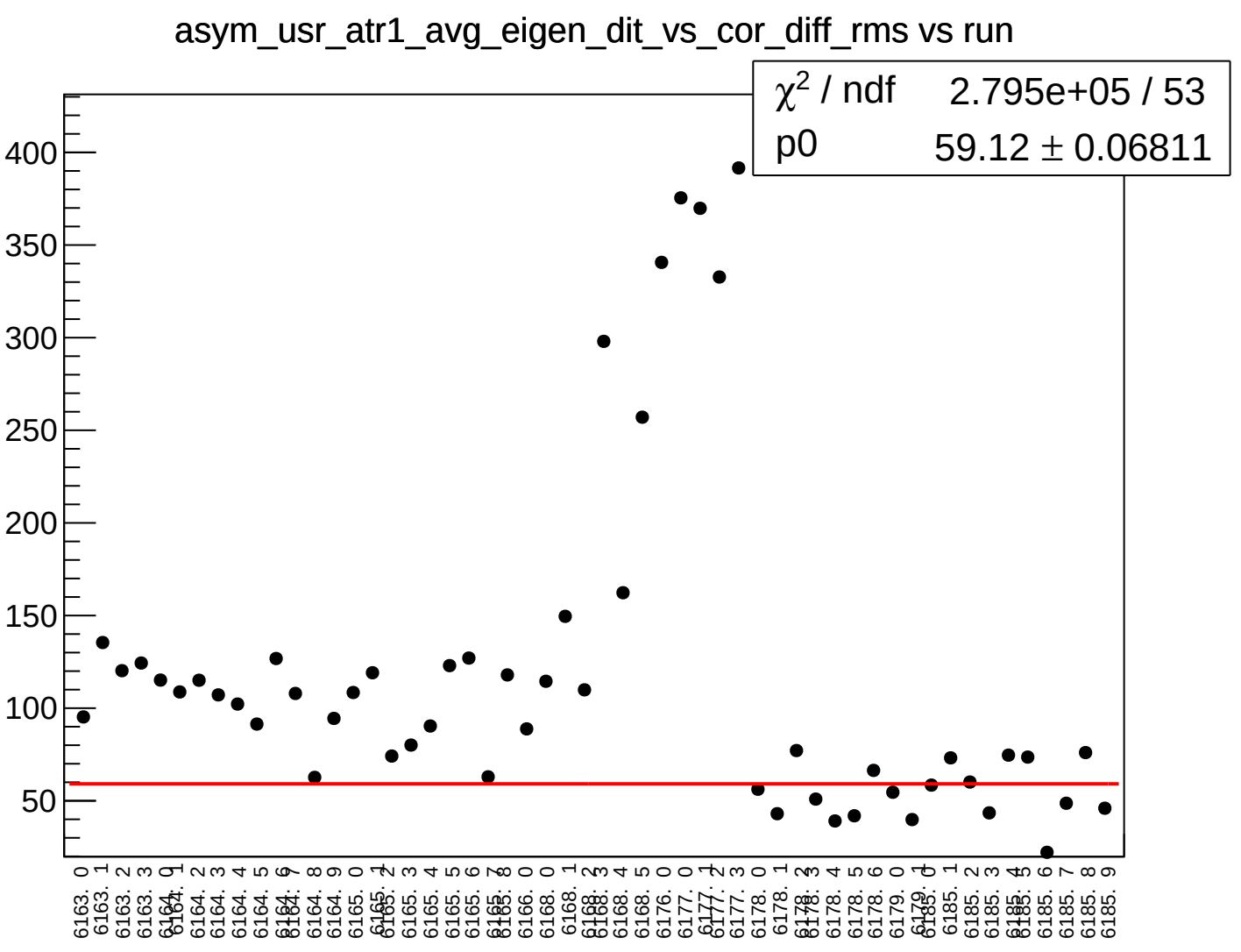

pull1D
Entries 54
Mean 0.02196
Std Dev 1.12

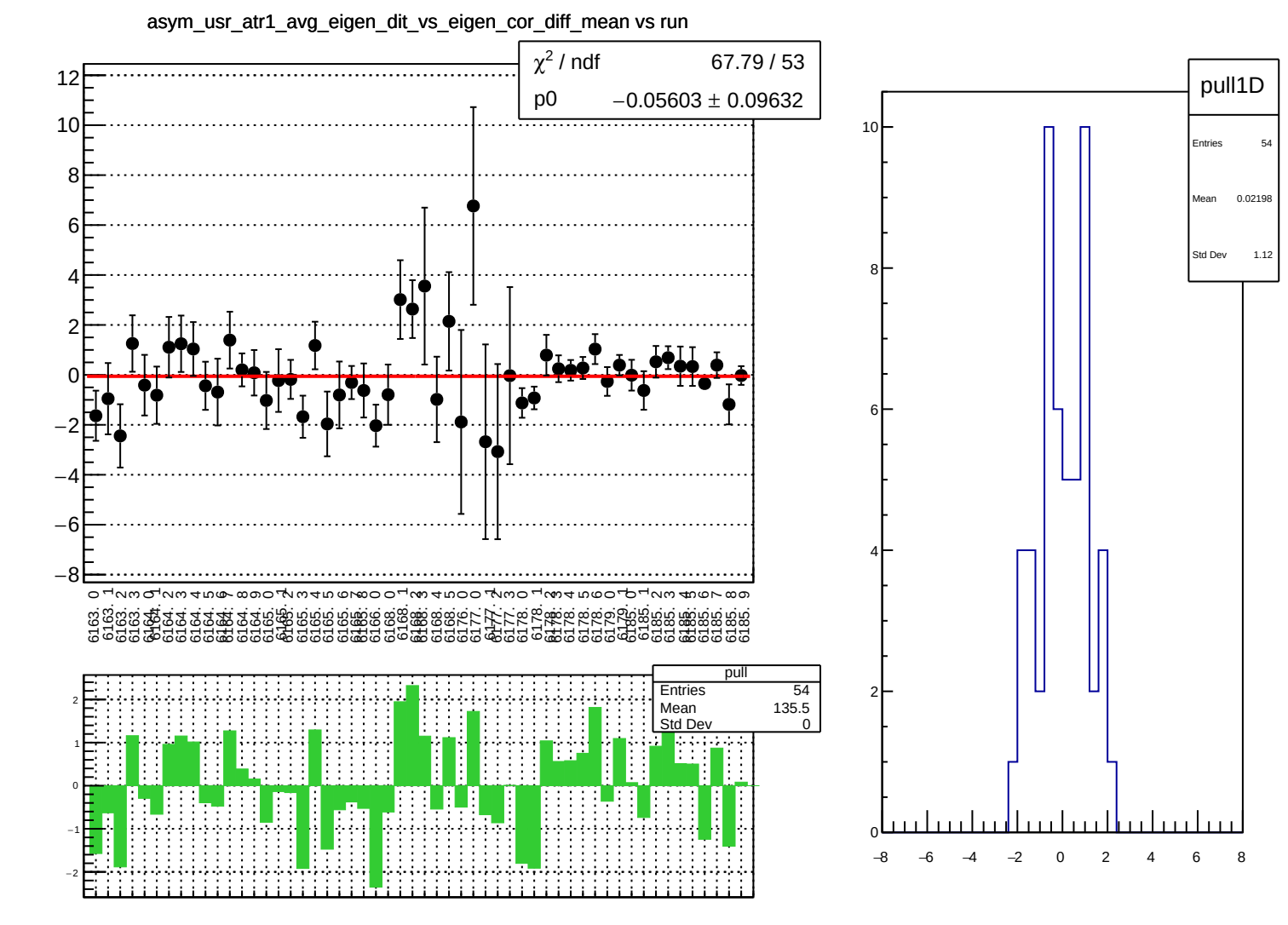

asym_usr_atr1_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.794e+05 / 53
p0 59.13 ± 0.06811
400
350
300
250
200
150
100
50
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

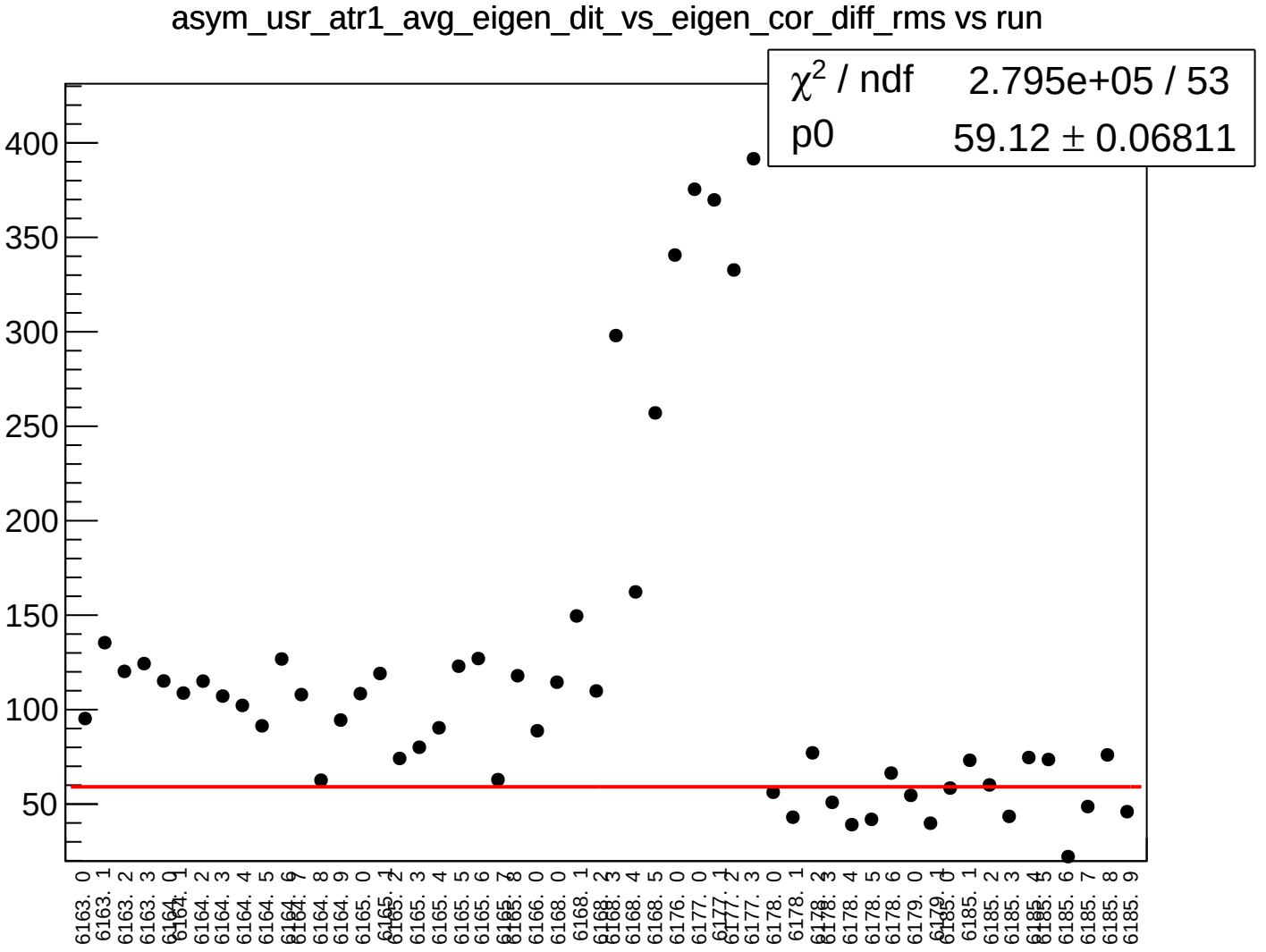

asym_usr_atr1_avg_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 56.76 / 53
p0 2.517e−05 ± 1.217e−05
0.4
0.2
0
−0.2
−0.4
pull
Entries 54
Mean −2.019
Std Dev 0
pull1D
Entries 54
Mean 0.03078
Std Dev 1.025

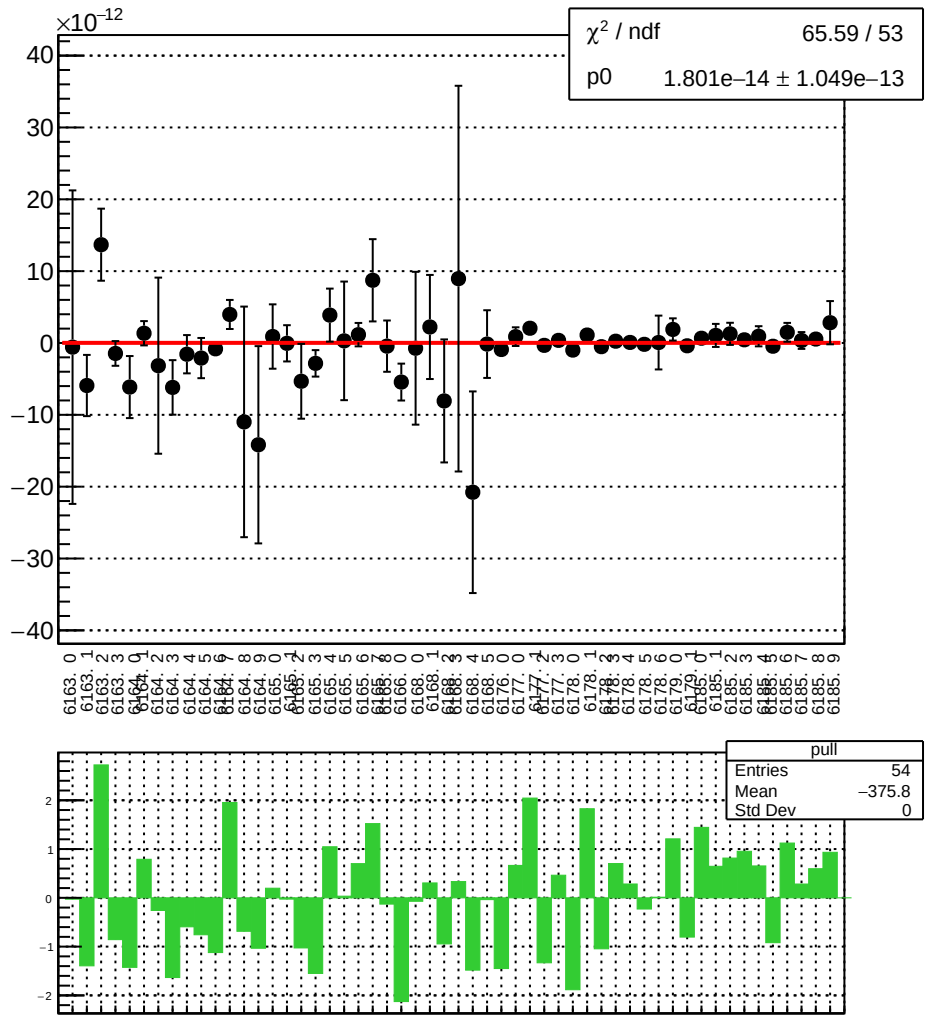

asym_usr_atr1_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.137e+05 / 53
p0 0.008254 ± 8.609e−06
0.016
0.014
0.012
0.01
0.008
0.006
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

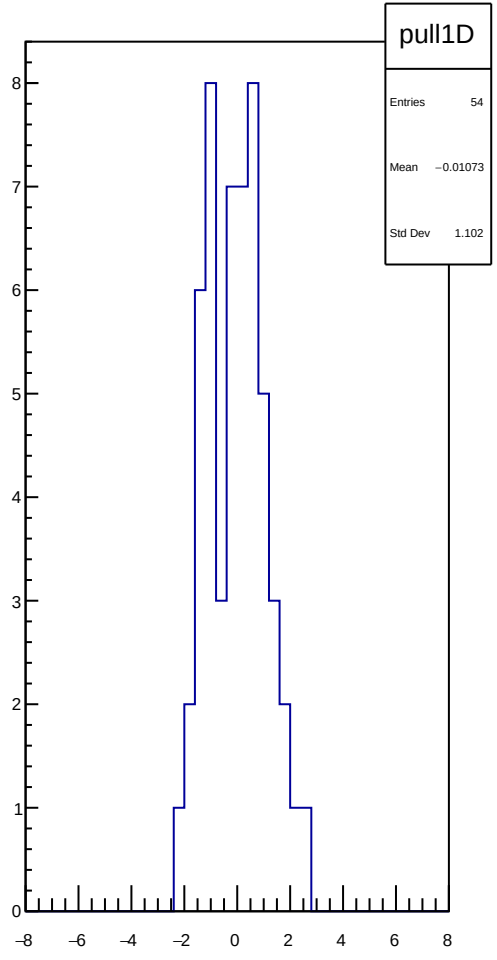

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 67.79 / 53
p0 −0.05603 ± 0.09632
pull
Entries 54
Mean 135.5
Std Dev 0
pull1D
Entries 54
Mean 0.02198
Std Dev 1.12

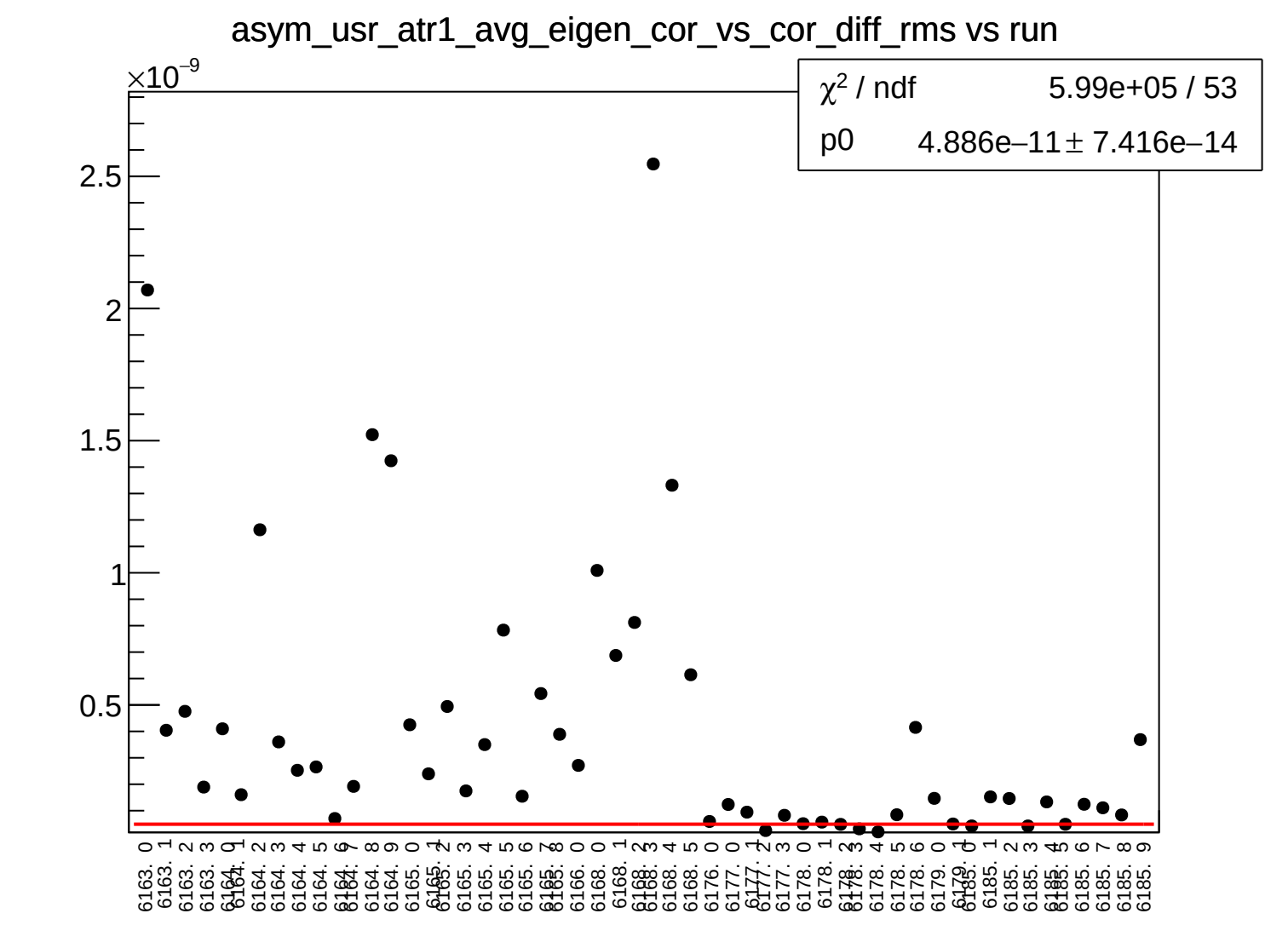

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.795e+05 / 53
p0 59.12 ± 0.06811
400
350
300
250
200
150
100
50
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

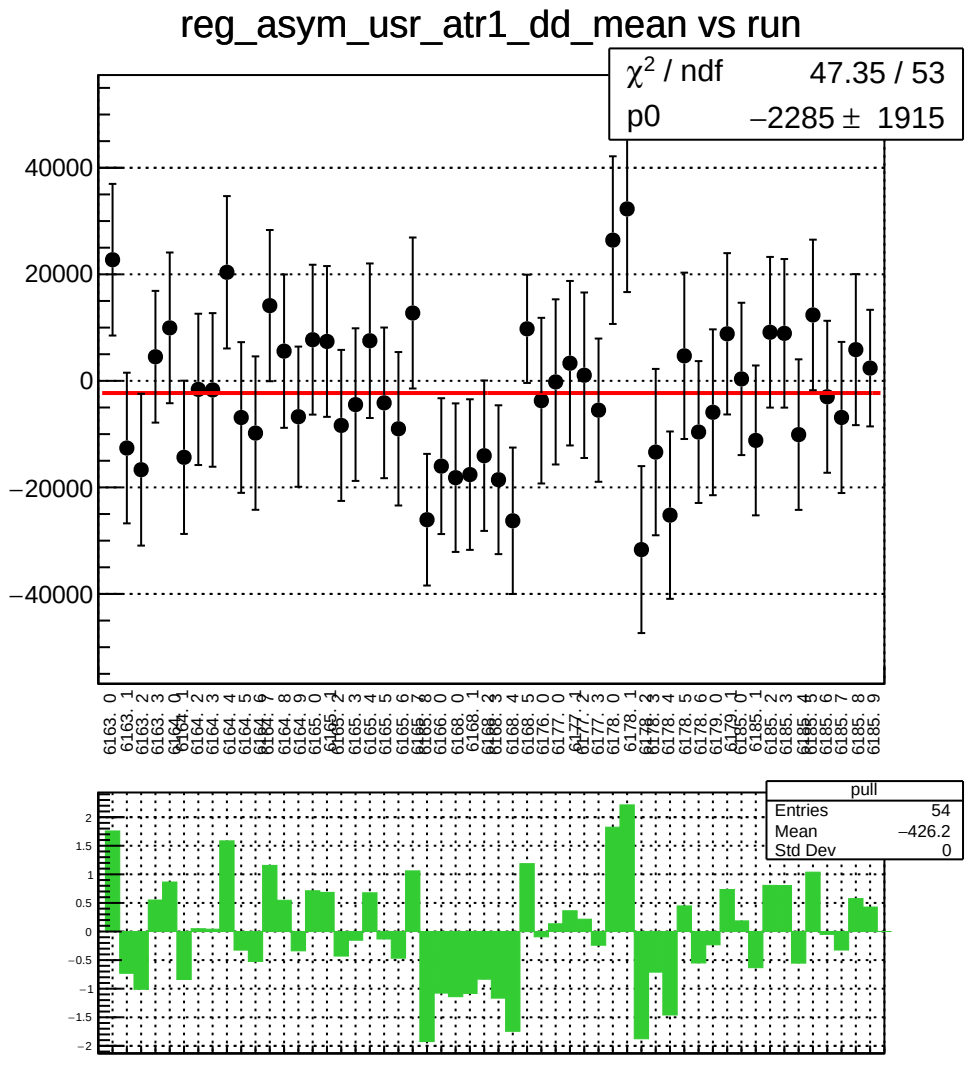

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 67.79 / 53
p0 −0.05603 ± 0.09632
pull
Entries 54
Mean 135.5
Std Dev 0
pull1D
Entries 54
Mean 0.02198
Std Dev 1.12

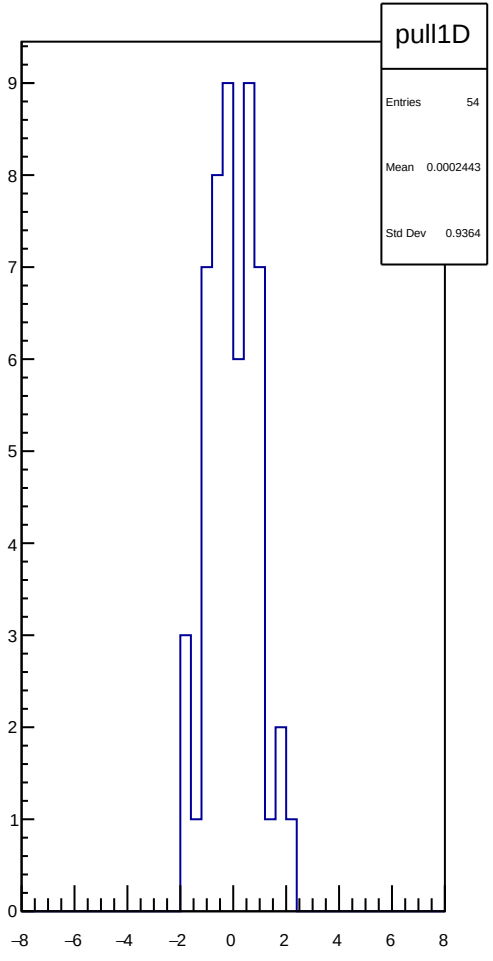

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.795e+05 / 53
p0 59.12 ± 0.06811
400
350
300
250
200
150
100
50
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

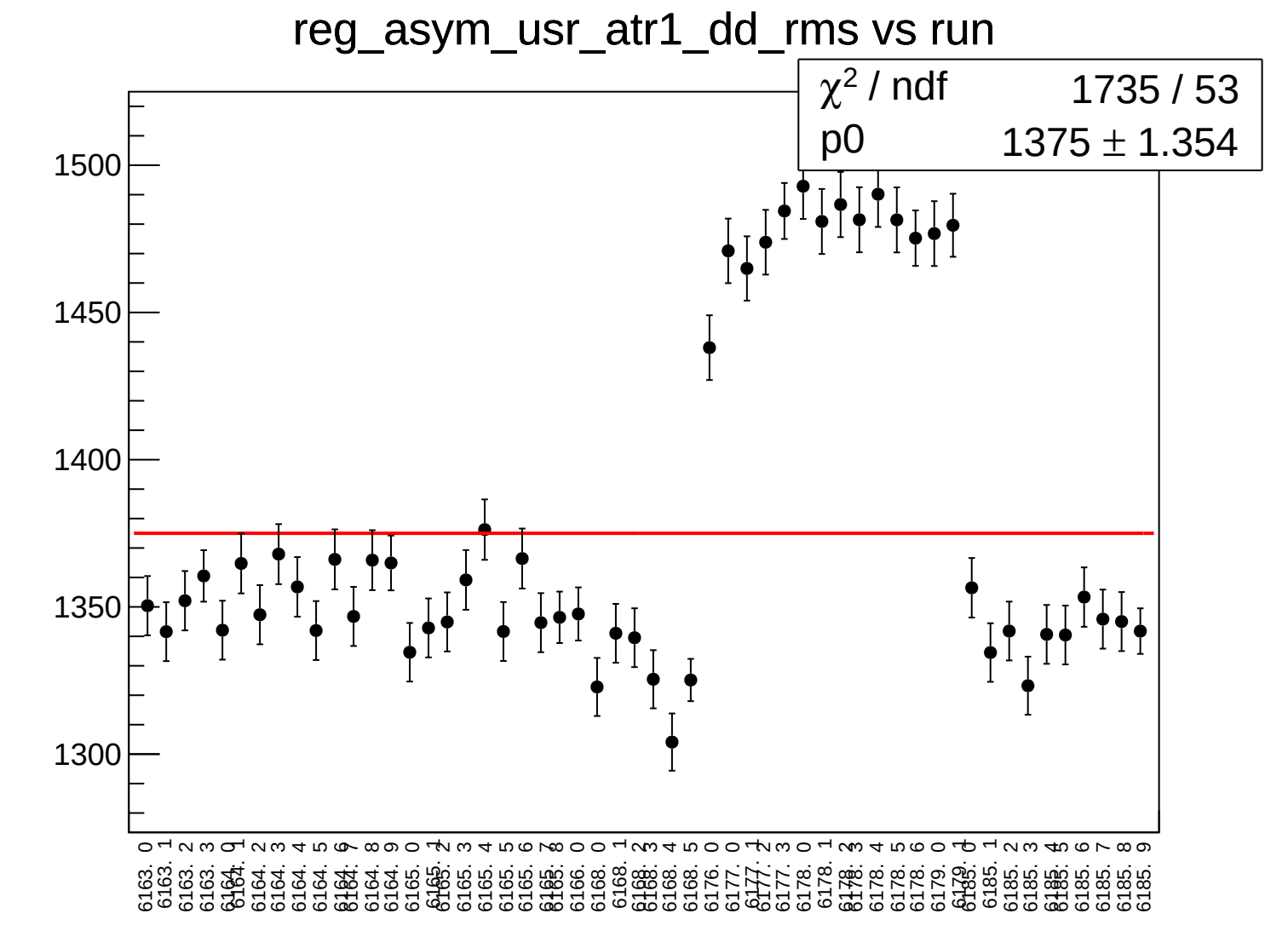

asym_usr_atr1_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 65.59 / 53
p0 1.801e−14 ± 1.049e−13
pull
Entries 54
Mean −375.8
Std Dev 0

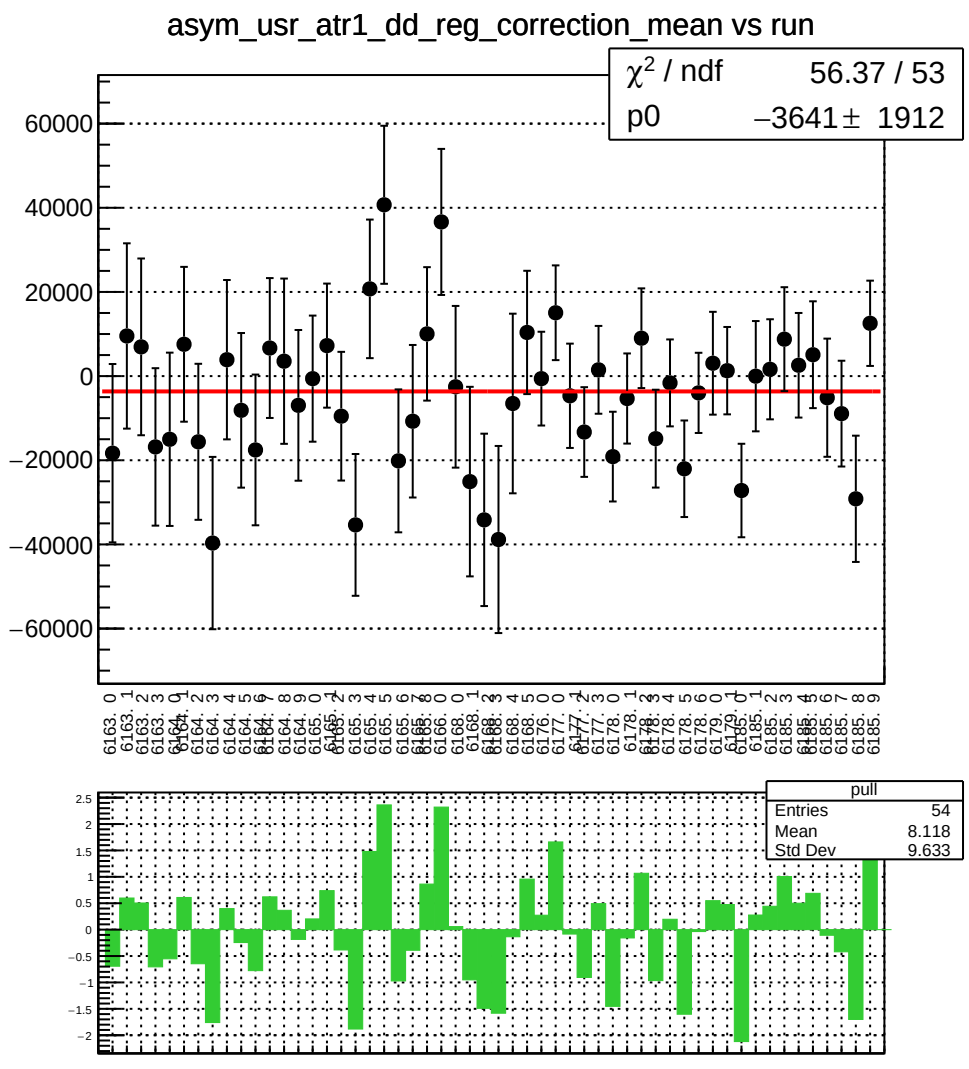

pull1D
Entries 54
Mean −0.01073
Std Dev 1.102

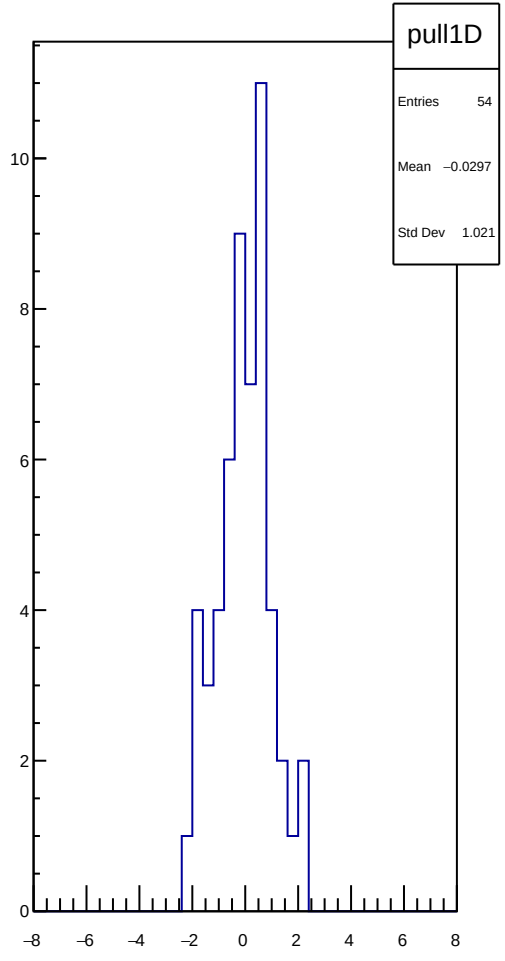

asym_usr_atr1_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.99e+05 / 53
p0 4.886e−11 ± 7.416e−14
2.5
2
1.5
1
0.5

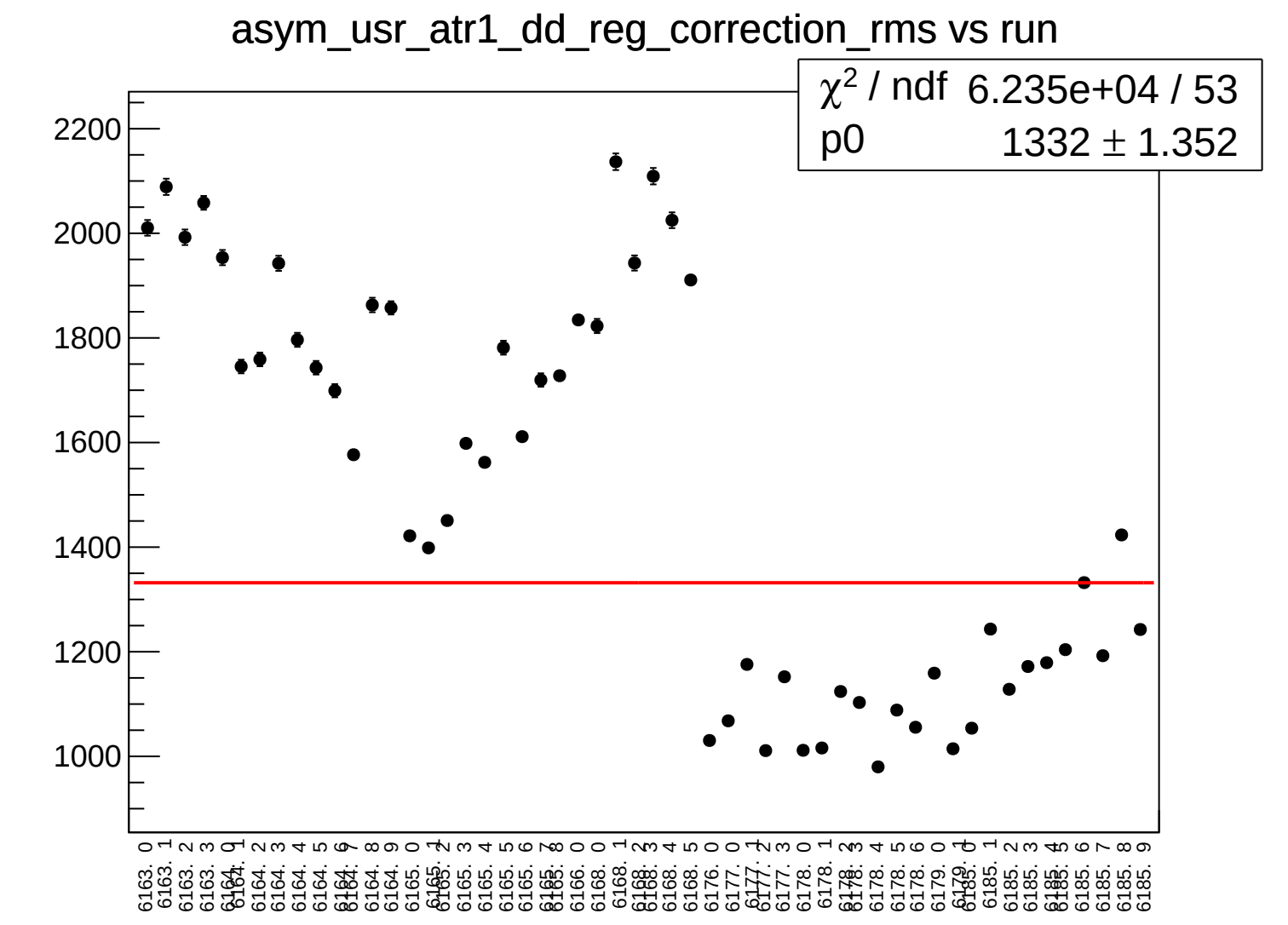

reg_asym_usr_atr1_dd_mean vs run
χ² / ndf 47.35 / 53
p0 −2285 ± 1915
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −426.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

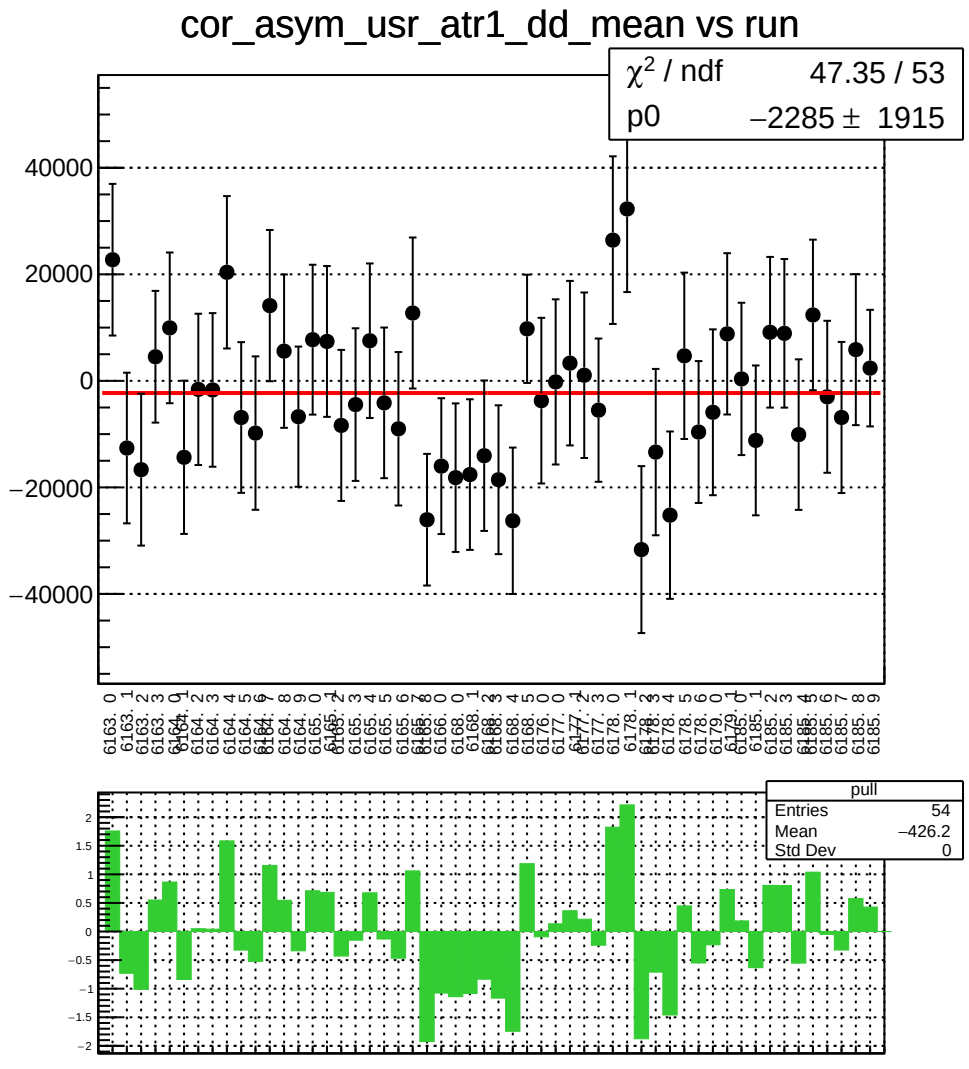

pull1D
Entries 54
Mean 0.0002443
Std Dev 0.9364
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

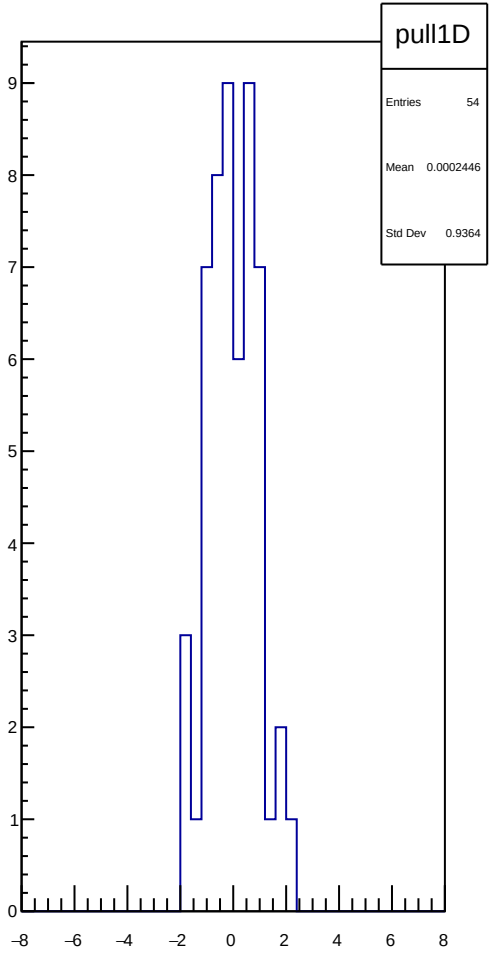

reg_asym_usr_atr1_dd_rms vs run
χ² / ndf 1735 / 53
p0 1375 ± 1.354
1500
1450
1400
1350
1300
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

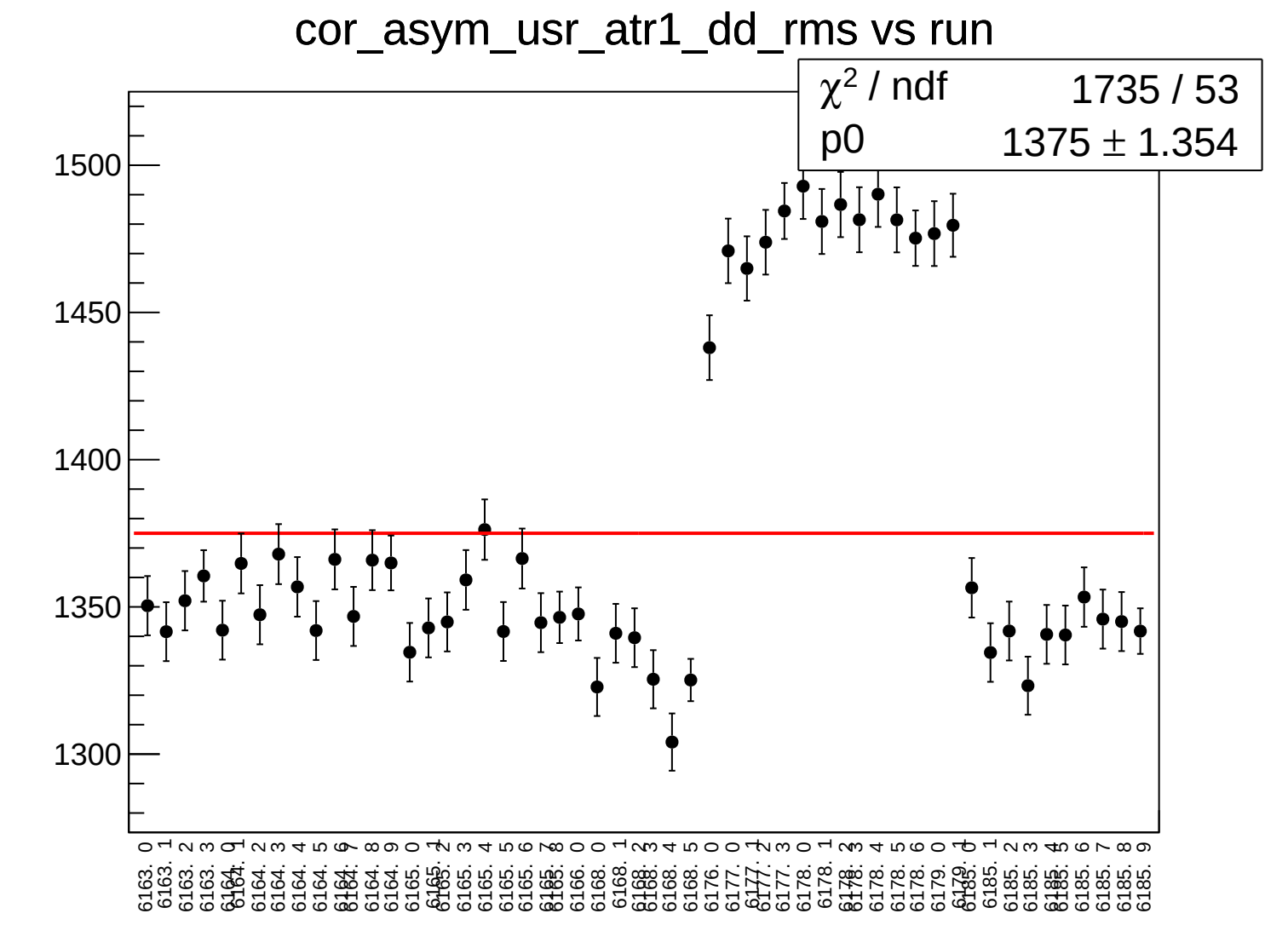

asym_usr_atr1_dd_reg_correction_mean vs run
χ² / ndf 56.37 / 53
p0 −3641 ± 1912
pull
Entries 54
Mean 8.118
Std Dev 9.633

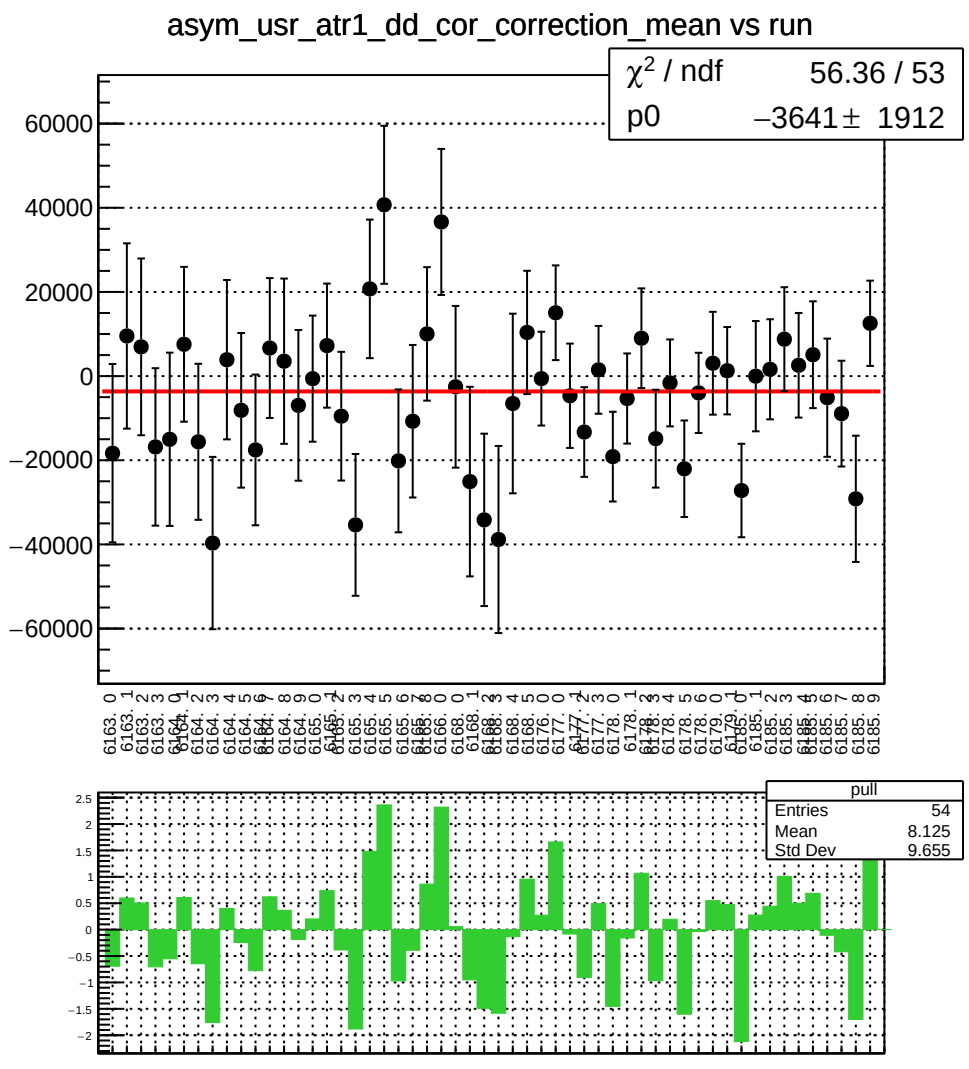

pull1D
Entries 54
Mean −0.0297
Std Dev 1.021

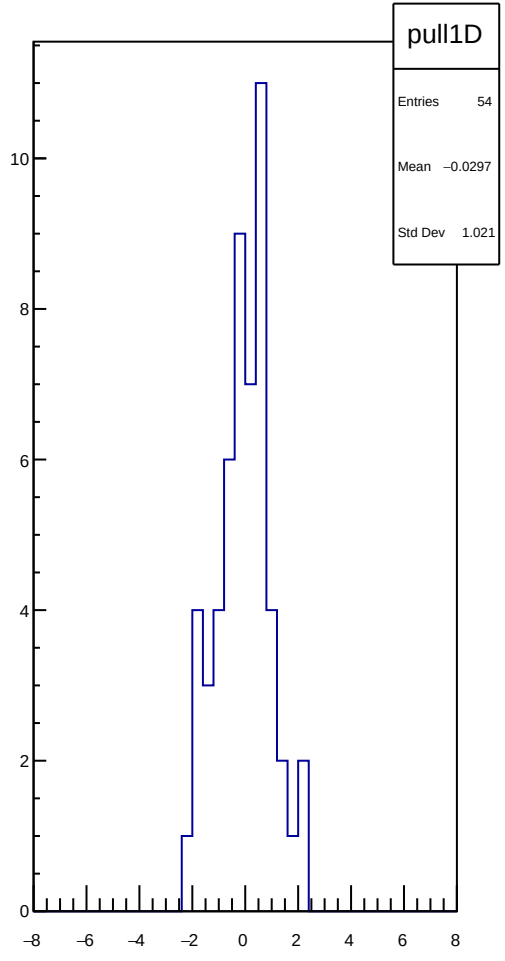

asym_usr_atr1_dd_reg_correction_rms vs run
χ² / ndf 6.235e+04 / 53
p0 1332 ± 1.352
2200
2000
1800
1600
1400
1200
1000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

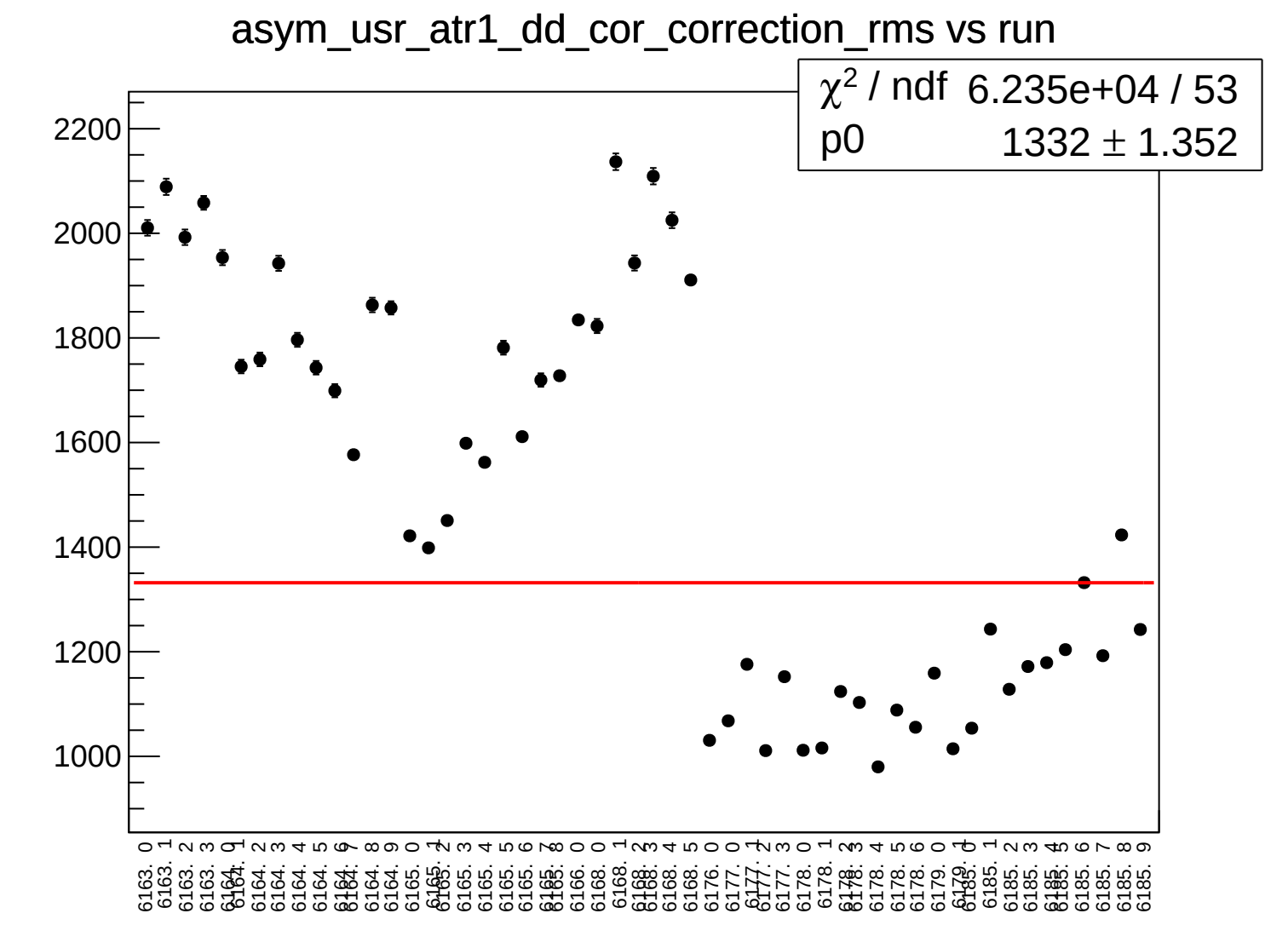

cor_asym_usr_atr1_dd_mean vs run
χ² / ndf 47.35 / 53
p0 −2285 ± 1915
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −426.2
Std Dev 0

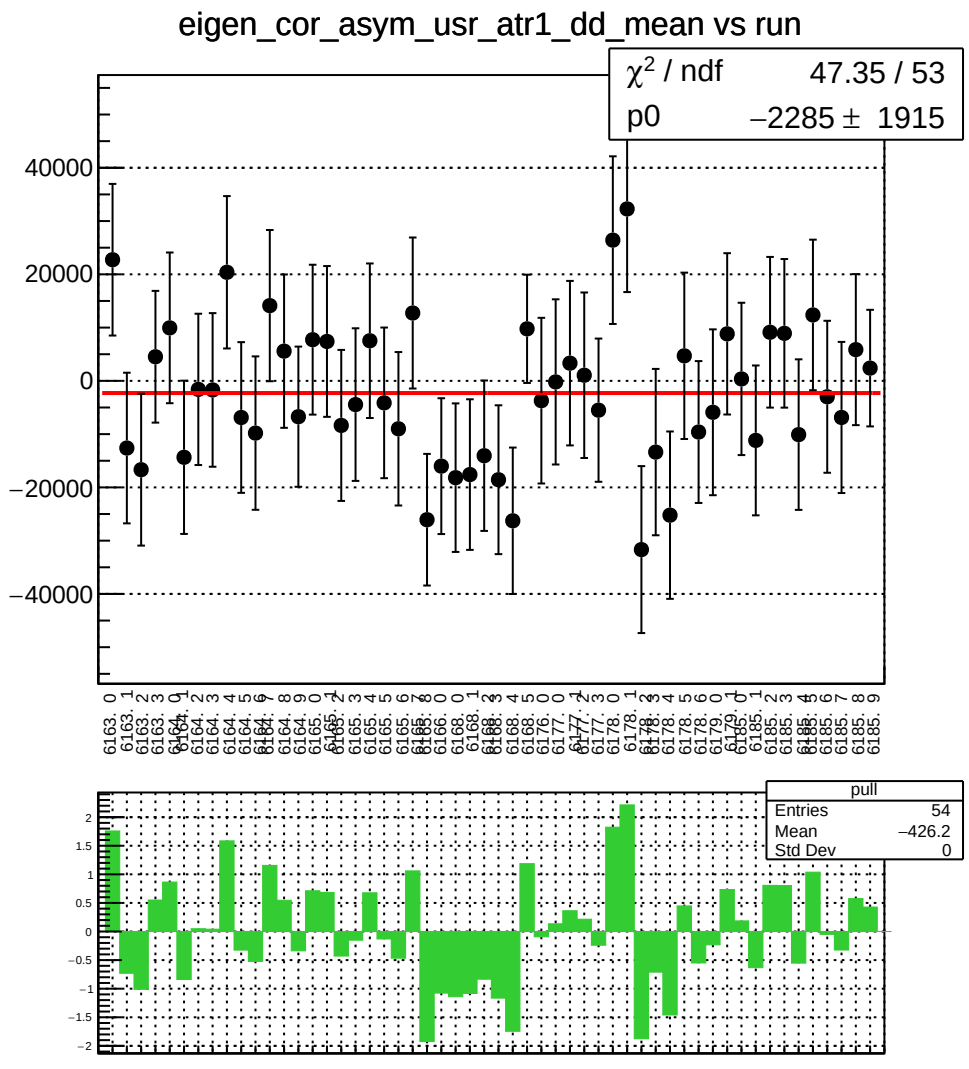

pull1D
Entries 54
Mean 0.0002446
Std Dev 0.9364

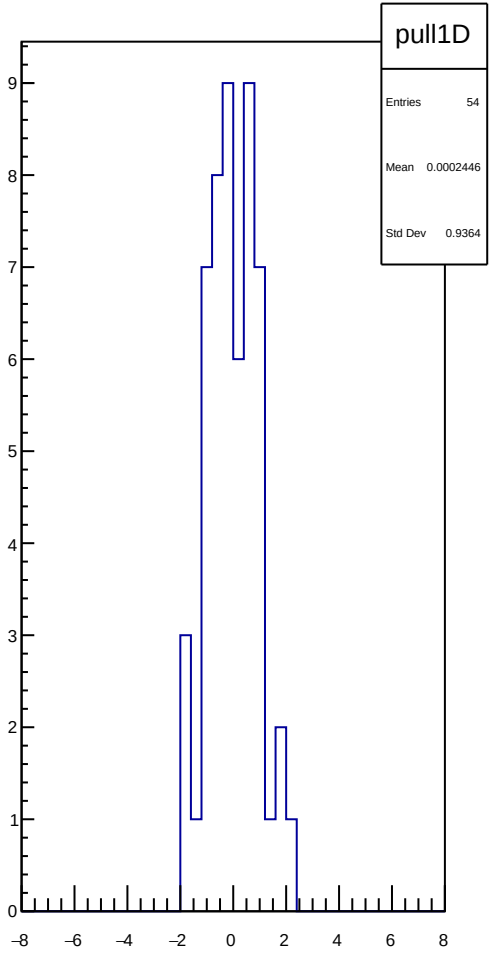

cor_asym_usr_atr1_dd_rms vs run
χ² / ndf 1735 / 53
p0 1375 ± 1.354
1500
1450
1400
1350
1300
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

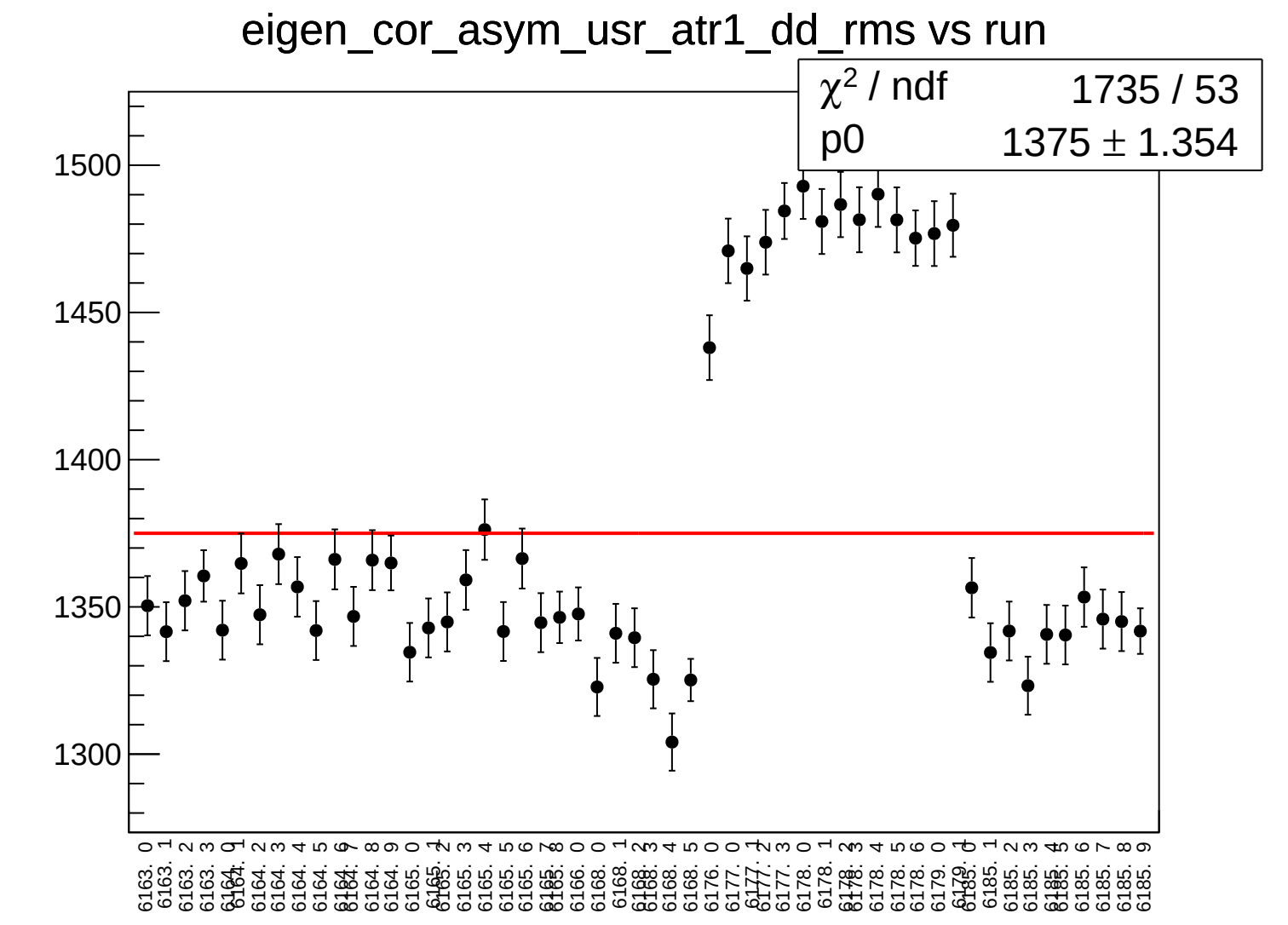

asym_usr_atr1_dd_cor_correction_mean vs run
χ² / ndf 56.36 / 53
p0 −3641 ± 1912
pull
Entries 54
Mean 8.125
Std Dev 9.655

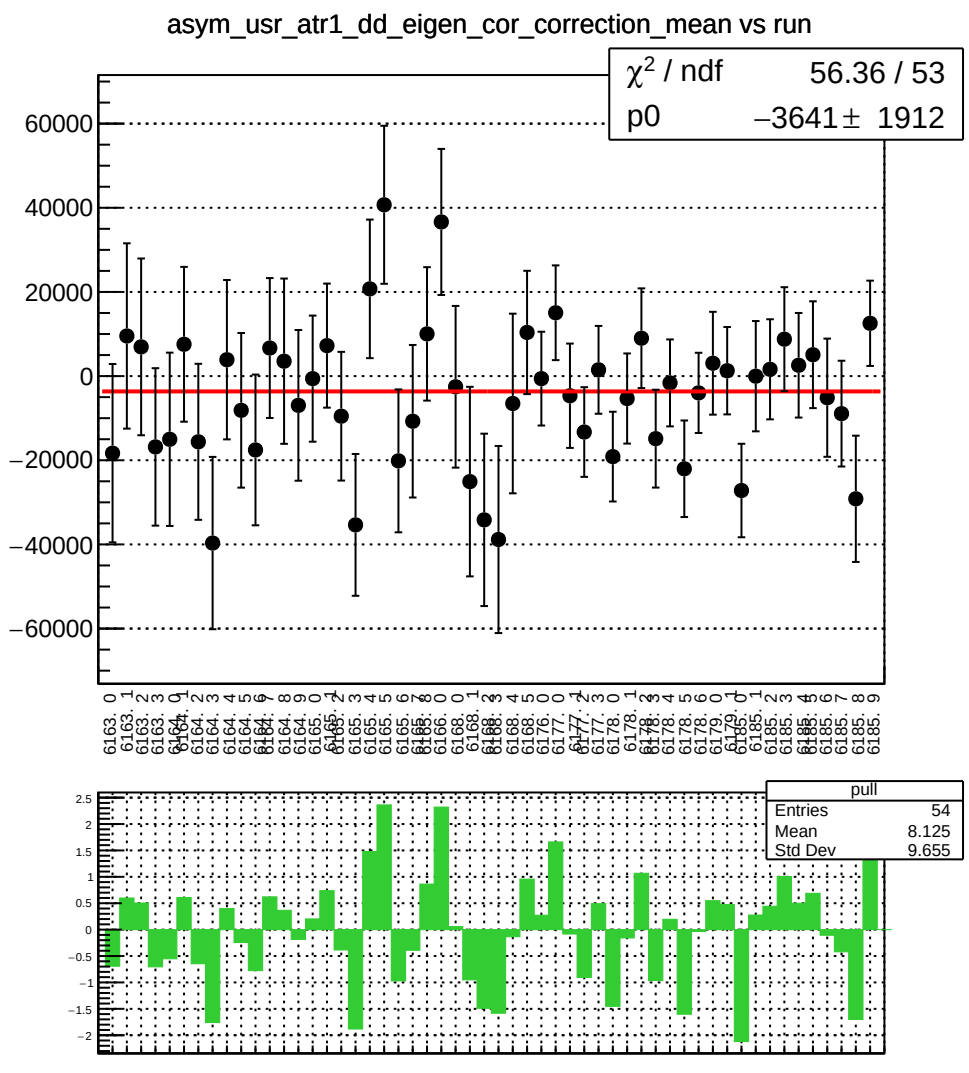

pull1D
Entries 54
Mean −0.0297
Std Dev 1.021

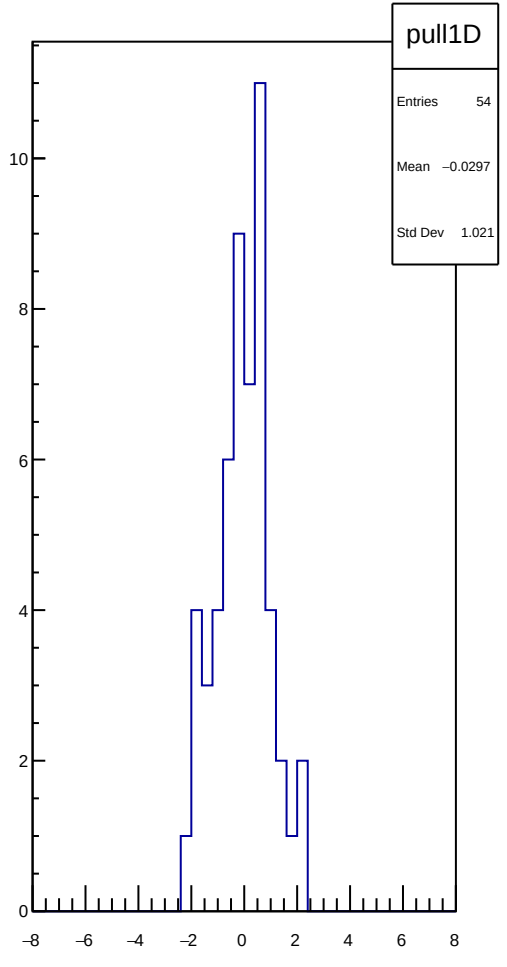

asym_usr_atr1_dd_cor_correction_rms vs run
χ² / ndf 6.235e+04 / 53
p0 1332 ± 1.352
2200
2000
1800
1600
1400
1200
1000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

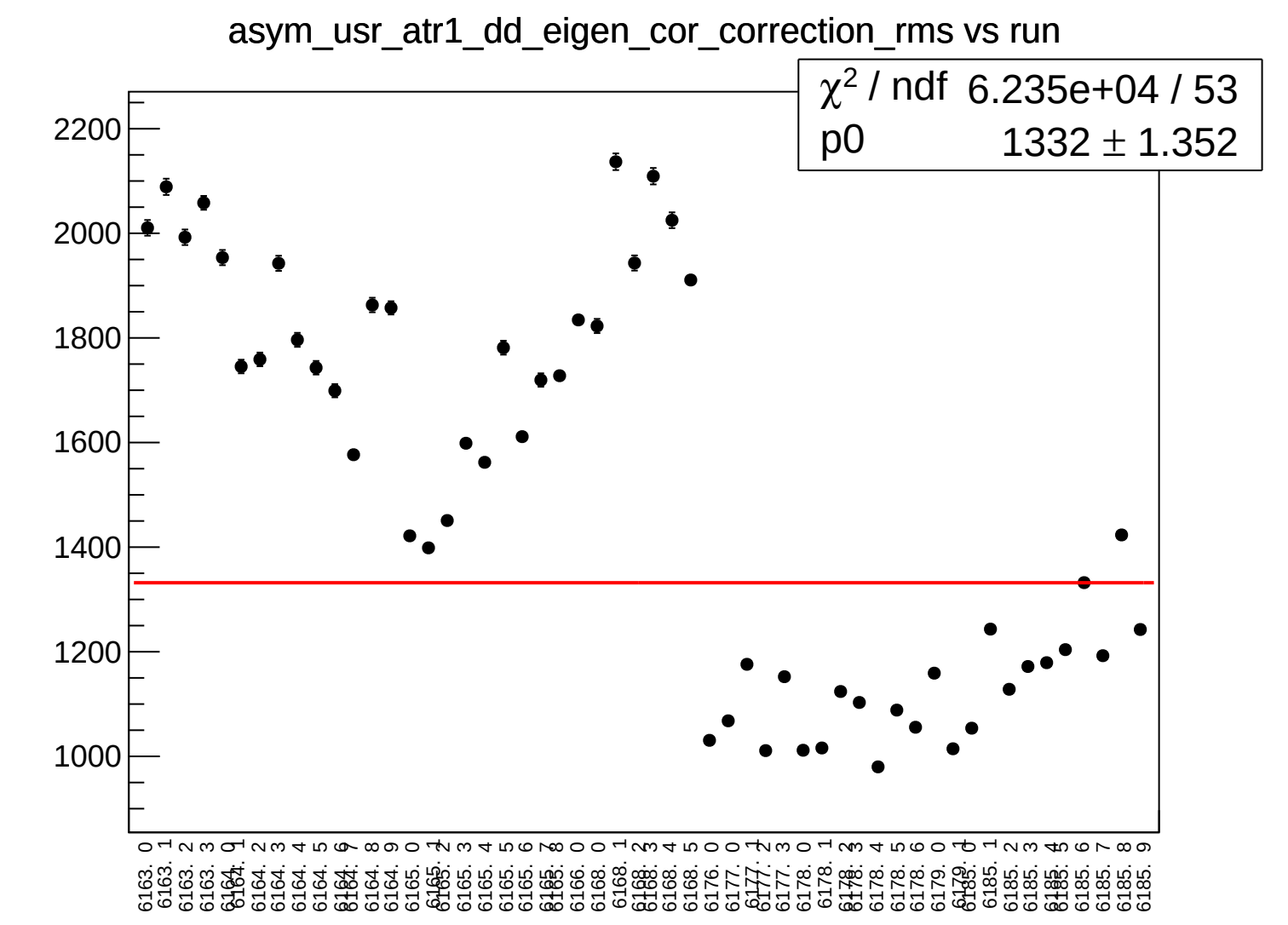

eigen_cor_asym_usr_atr1_dd_mean vs run
χ² / ndf 47.35 / 53
p0 −2285 ± 1915
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −426.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

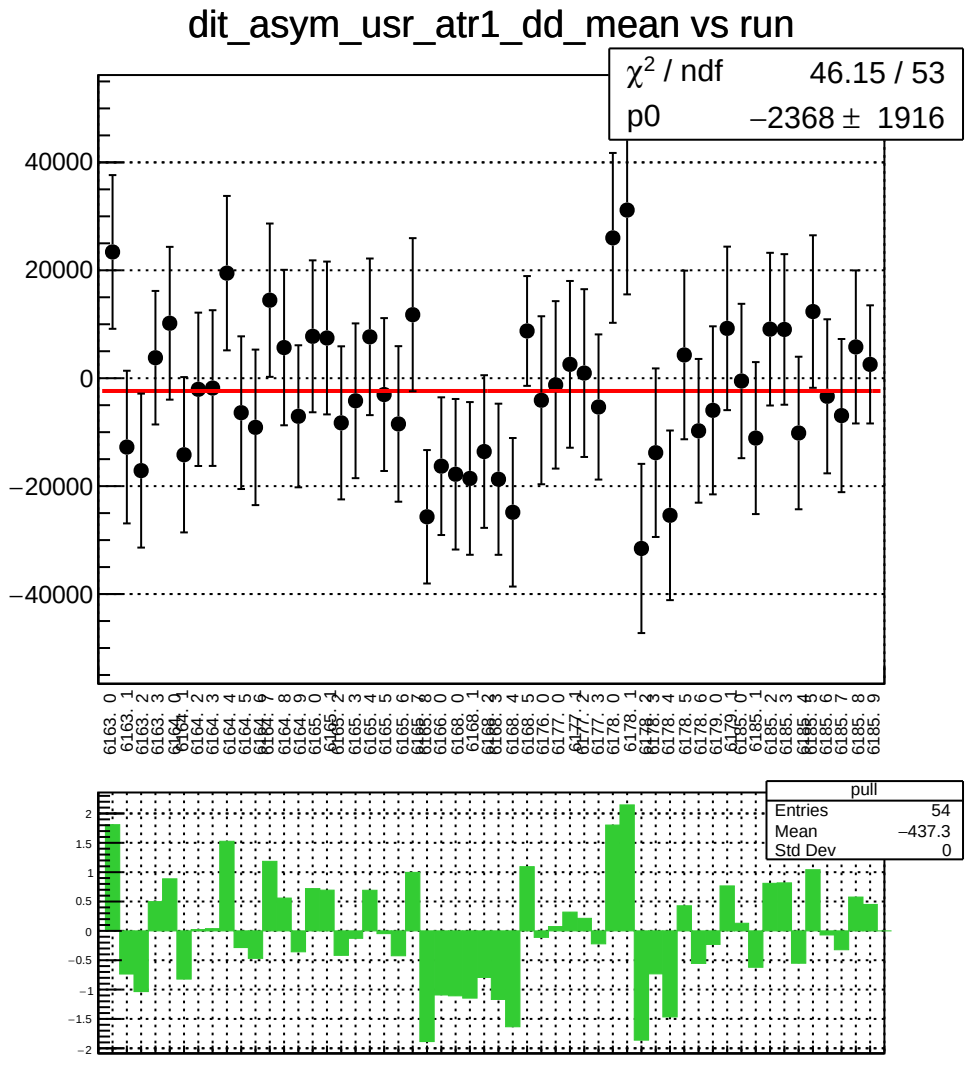

pull1D
Entries 54
Mean 0.0002446
Std Dev 0.9364
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

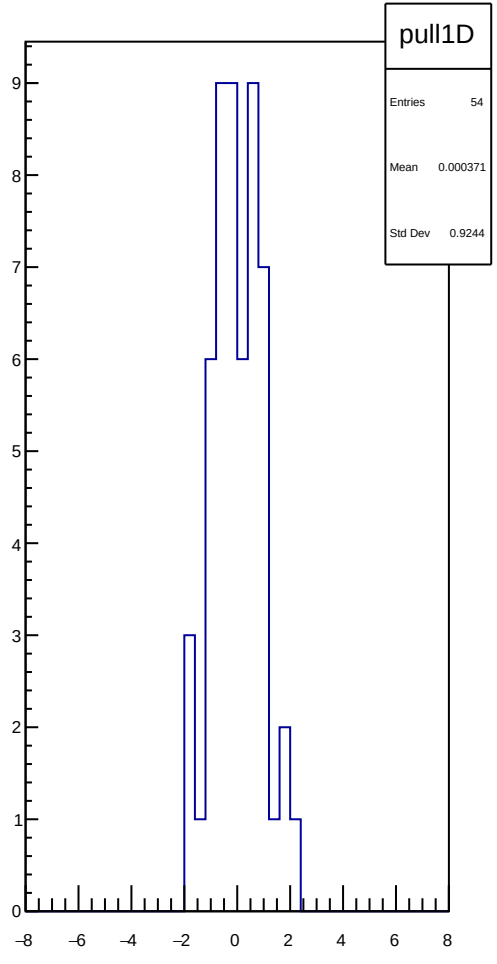

eigen_cor_asym_usr_atr1_dd_rms vs run
χ² / ndf 1735 / 53
p0 1375 ± 1.354
1500
1450
1400
1350
1300
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

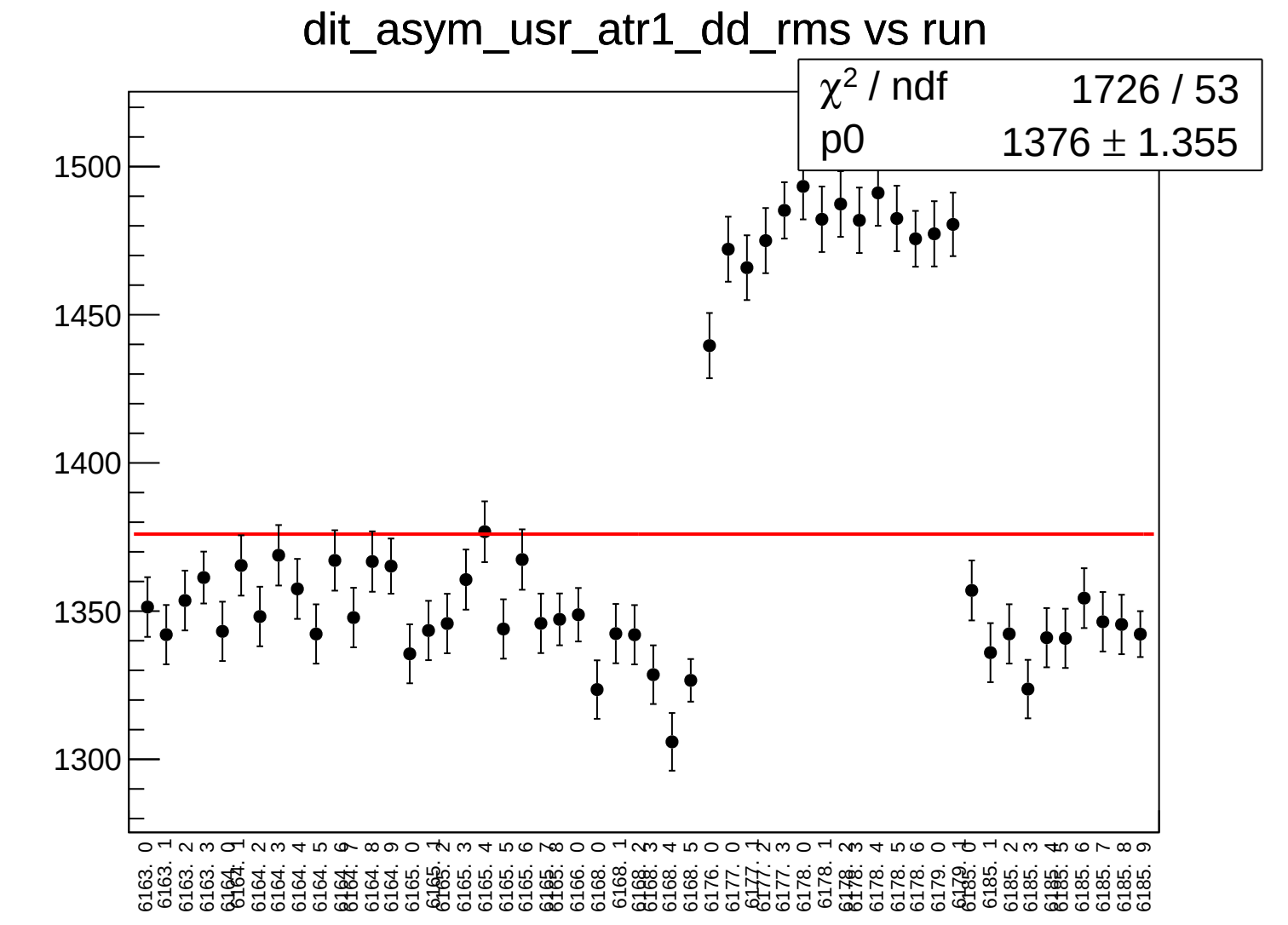

asym_usr_atr1_dd_eigen_cor_correction_mean vs run
χ² / ndf 56.36 / 53
p0 −3641 ± 1912
pull
Entries 54
Mean 8.125
Std Dev 9.655

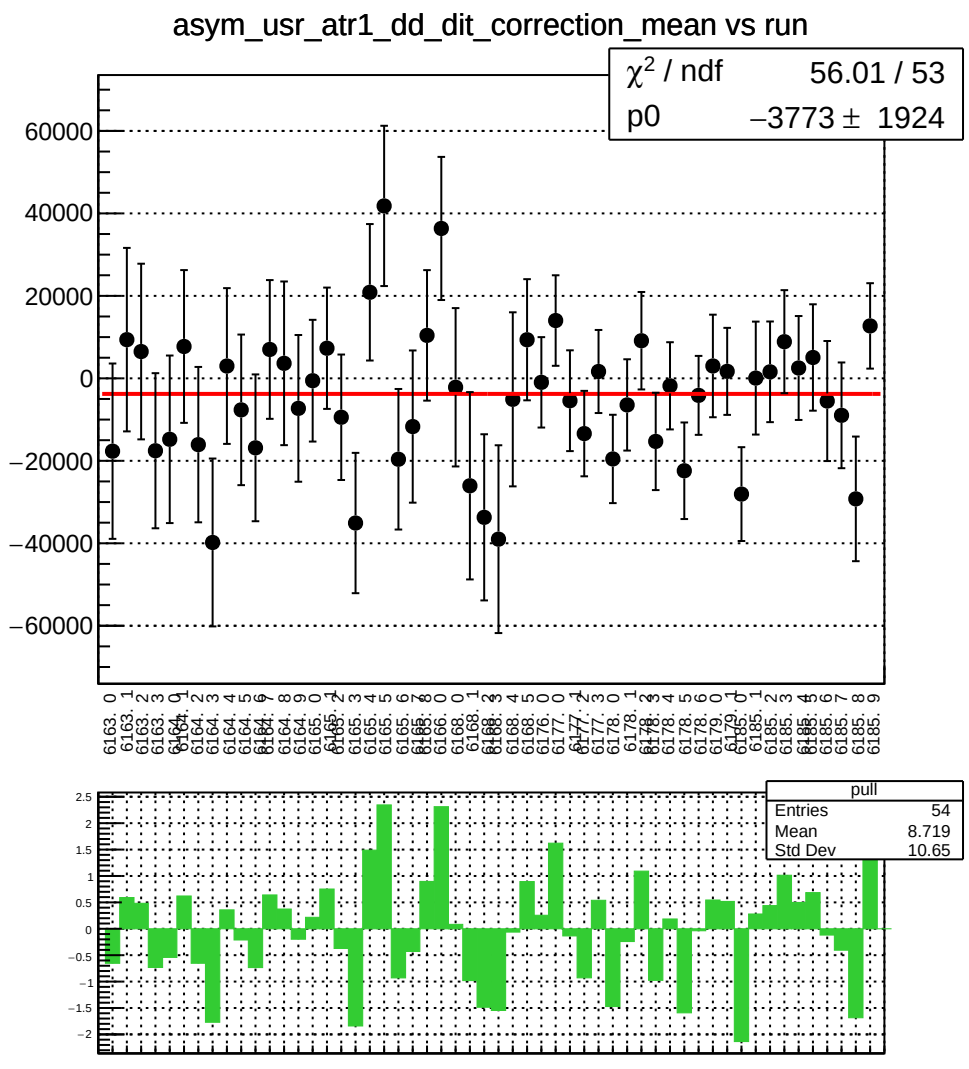

pull1D
Entries 54
Mean −0.0297
Std Dev 1.021

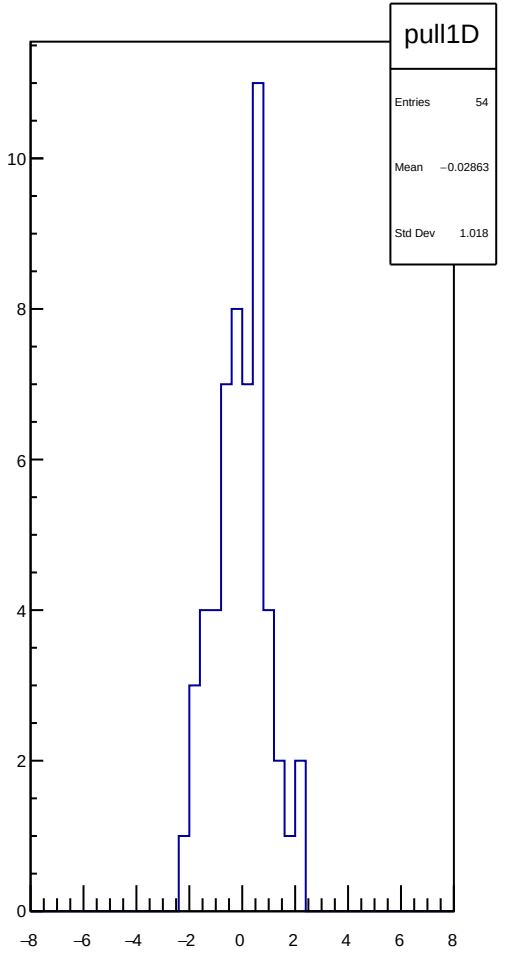

asym_usr_atr1_dd_eigen_cor_correction_rms vs run
χ² / ndf 6.235e+04 / 53
p0 1332 ± 1.352
2200
2000
1800
1600
1400
1200
1000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

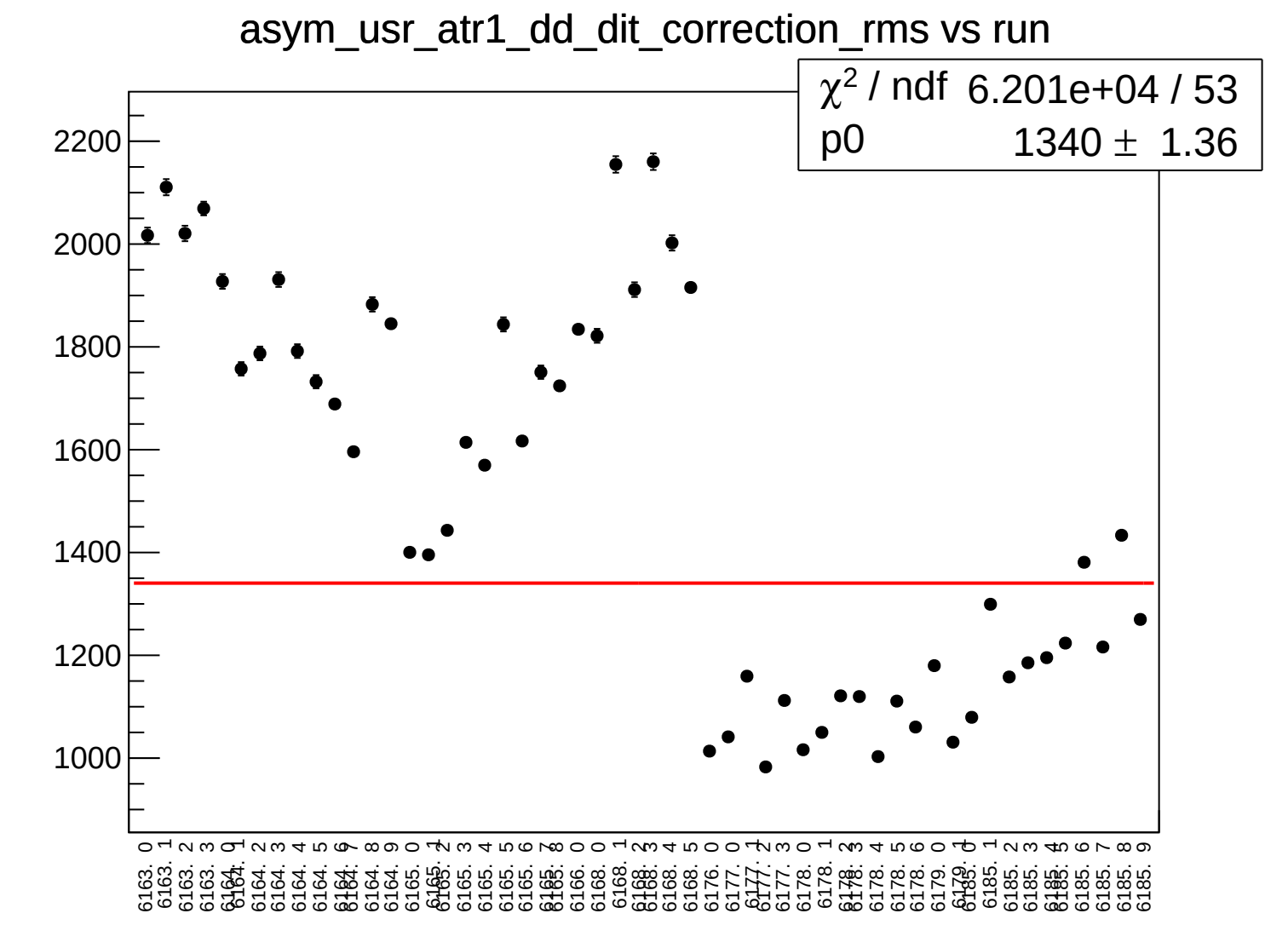

dit_asym_usr_atr1_dd_mean vs run
χ² / ndf 46.15 / 53
p0 −2368 ± 1916
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −437.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 54
Mean 0.000371
Std Dev 0.9244
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_usr_atr1_dd_rms vs run
χ² / ndf 1726 / 53
p0 1376 ± 1.355
1500
1450
1400
1350
1300
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


asym_usr_atr1_dd_dit_correction_mean vs run
χ² / ndf 56.01 / 53
p0 −3773 ± 1924
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 8.719
Std Dev 10.65
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 54
Mean −0.02863
Std Dev 1.018
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 6.201e+04 / 53
p0 1340 ± 1.36
2200
2000
1800
1600
1400
1200
1000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
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6179. 0
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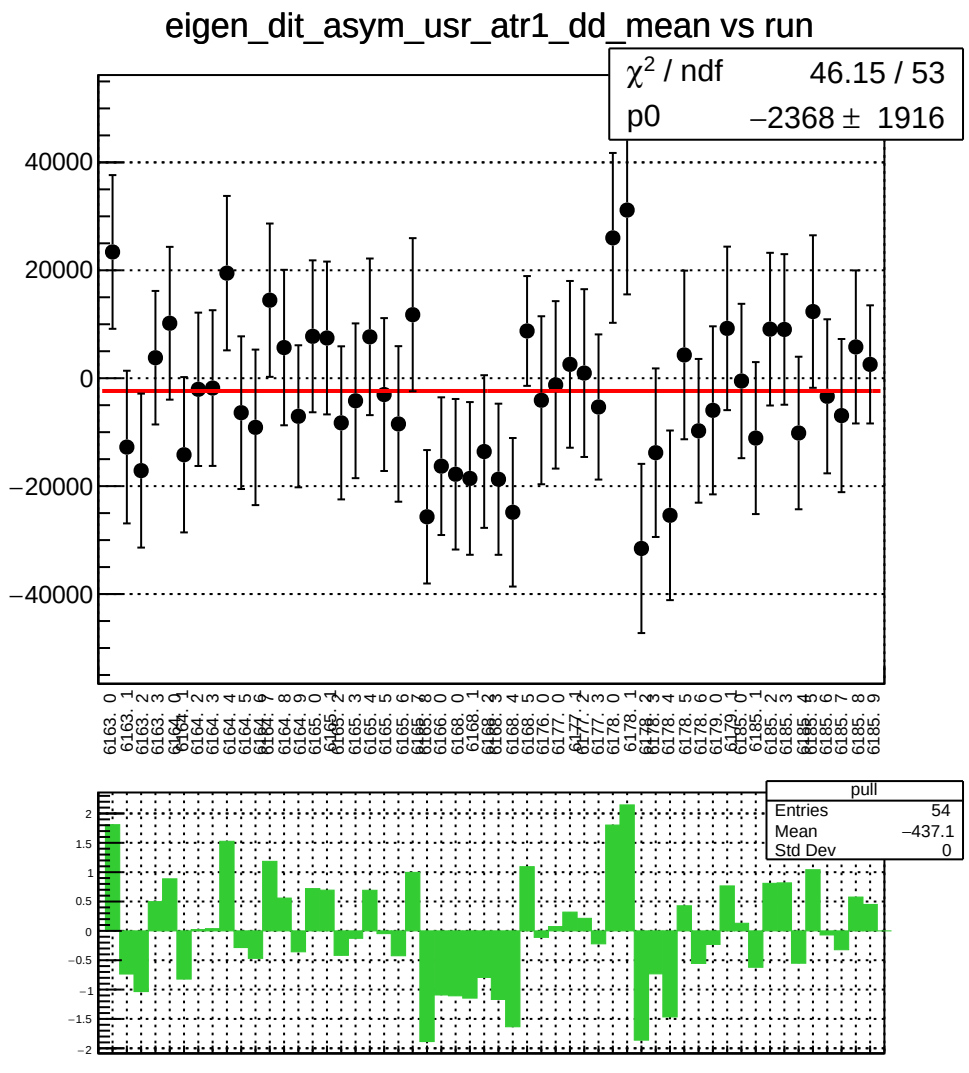
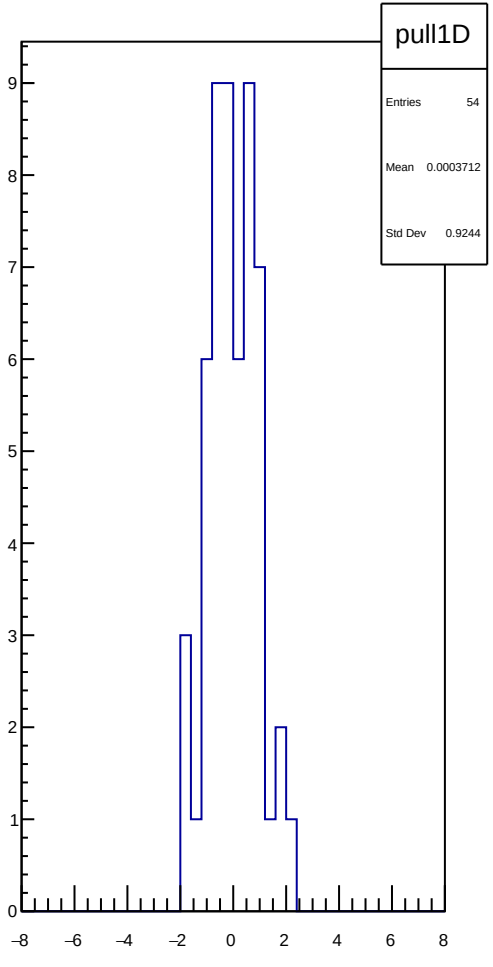
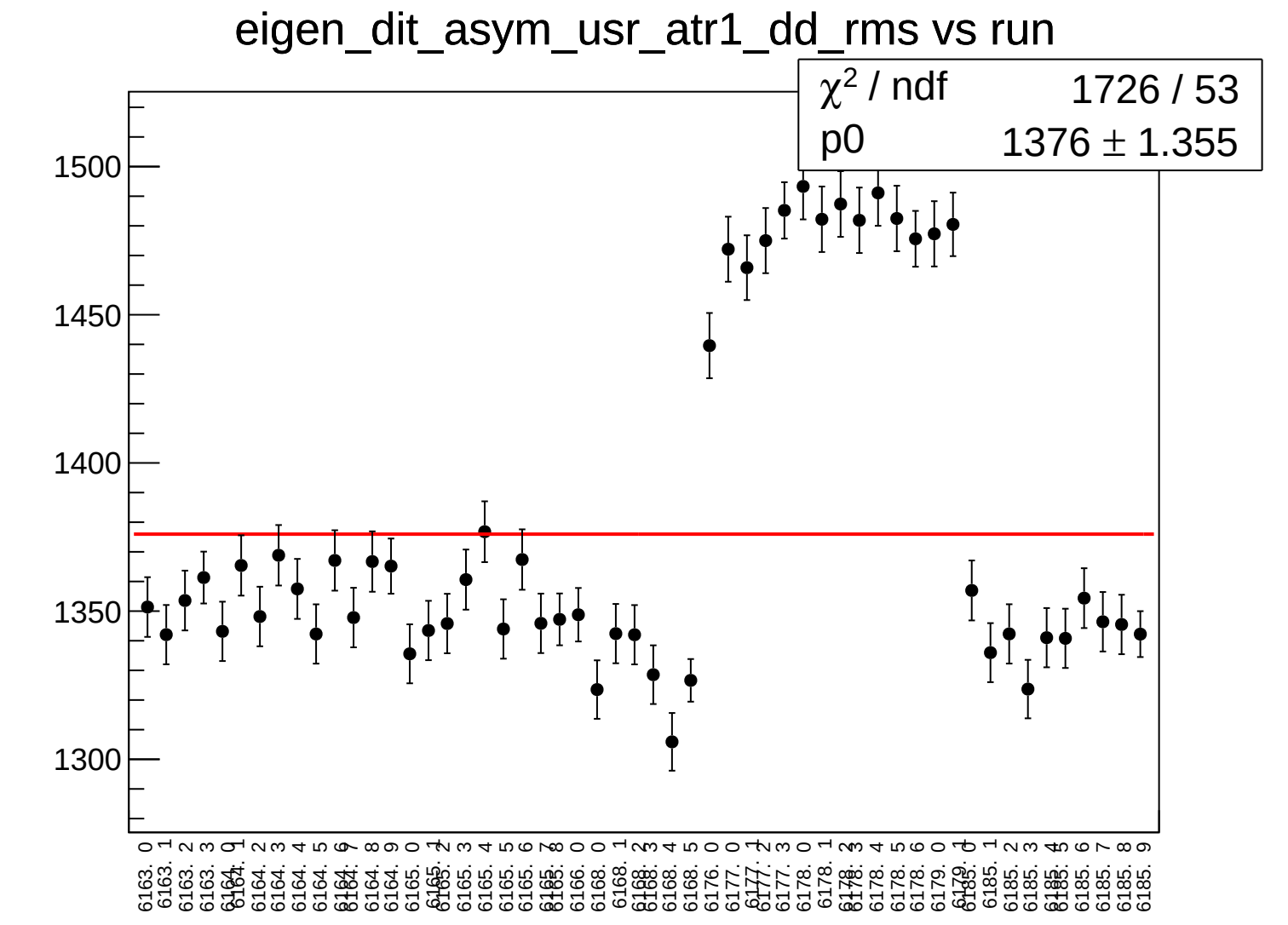
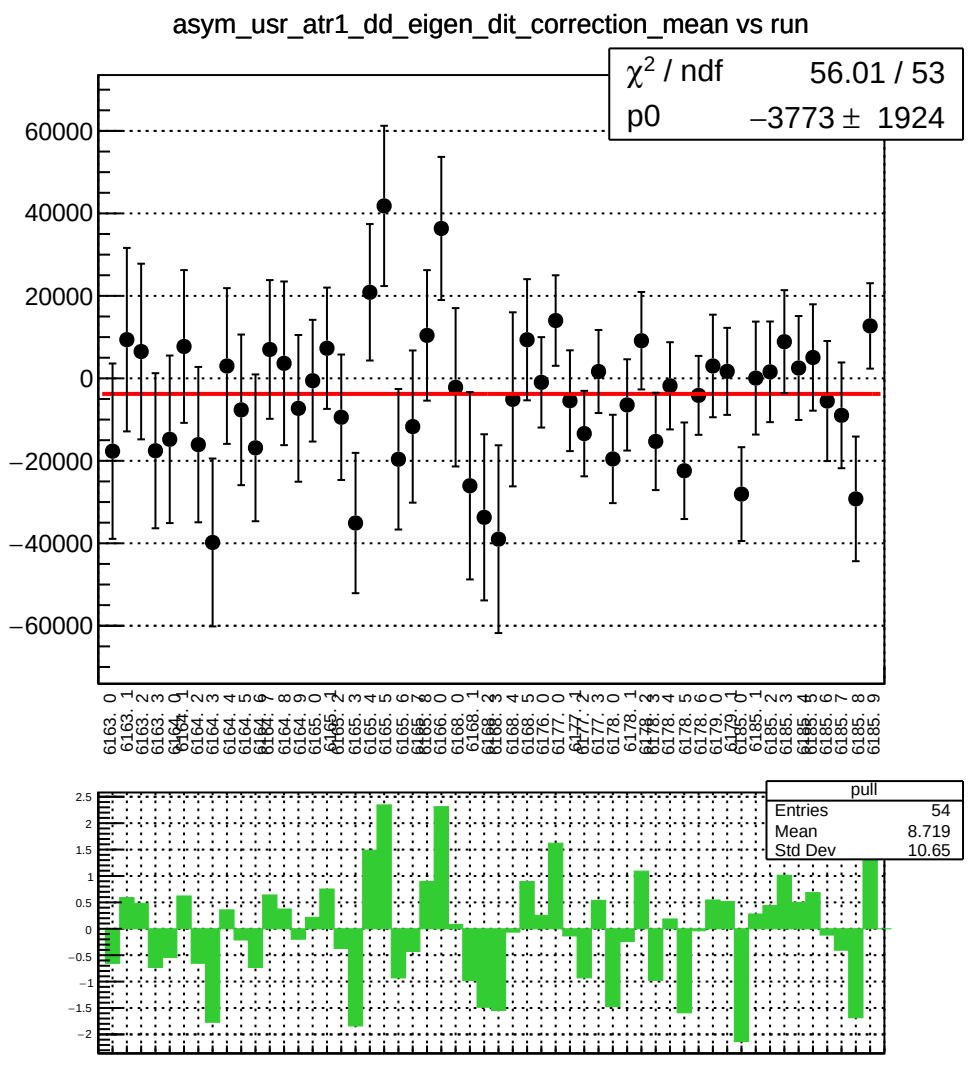
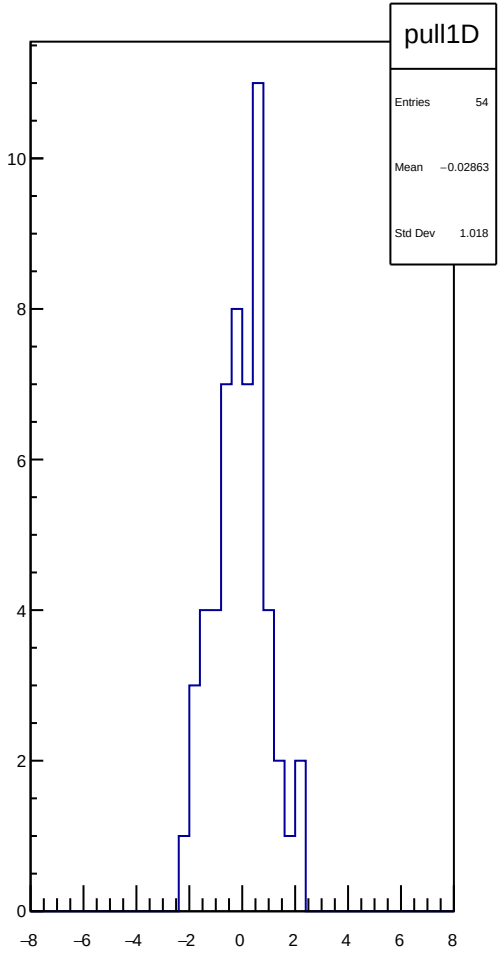
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

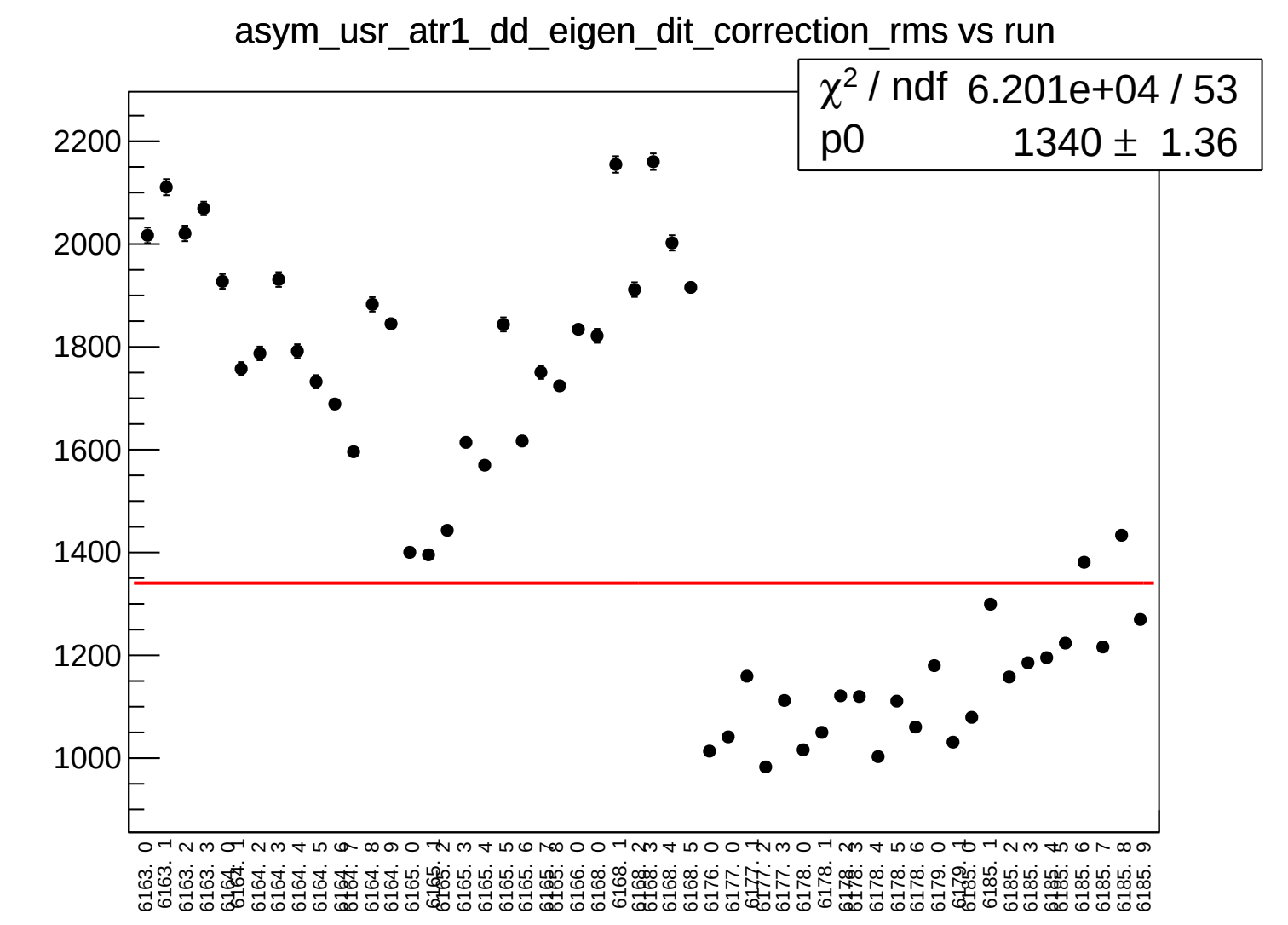

eigen_dit_asym_usr_atr1_dd_mean vs run
χ² / ndf 46.15 / 53
p0 −2368 ± 1916
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −437.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

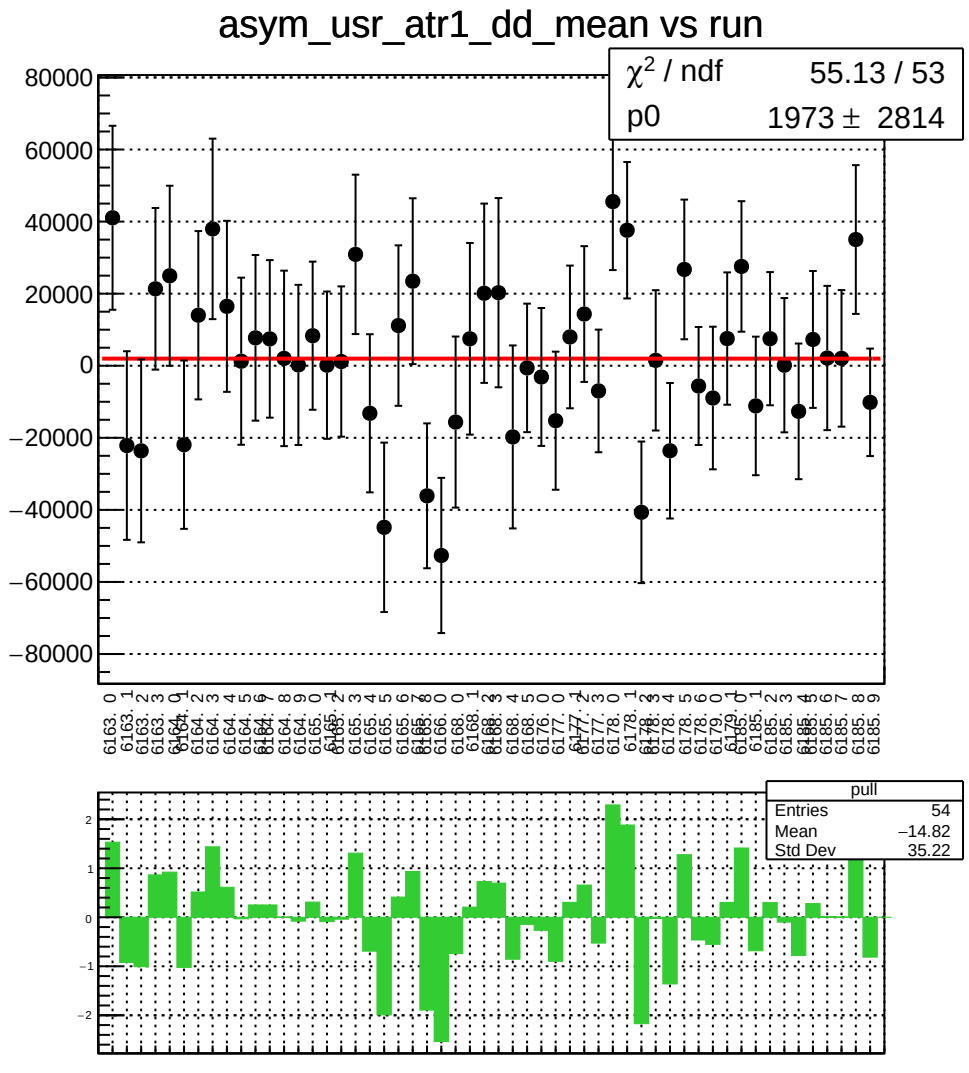

pull1D
Entries 54
Mean 0.0003712
Std Dev 0.9244
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

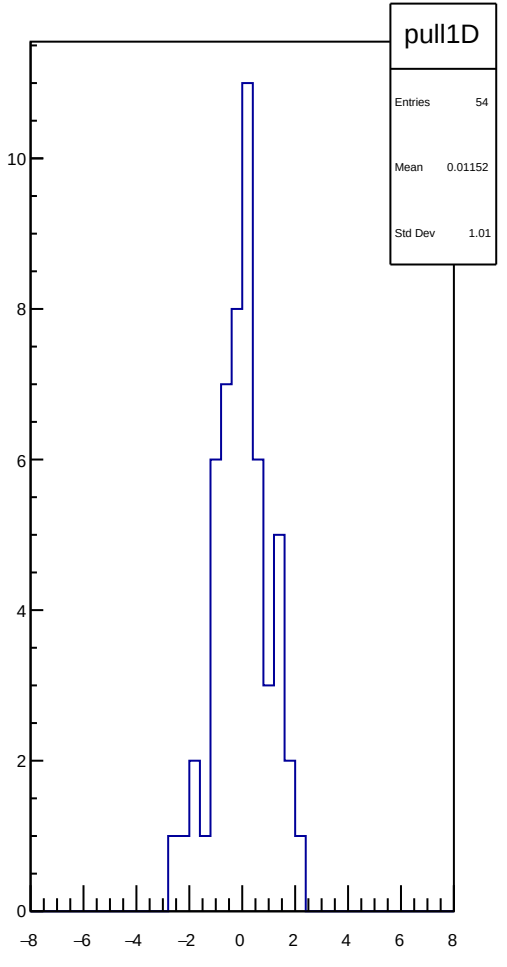

eigen_dit_asym_usr_atr1_dd_rms vs run
χ² / ndf 1726 / 53
p0 1376 ± 1.355
1500
1450
1400
1350
1300
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

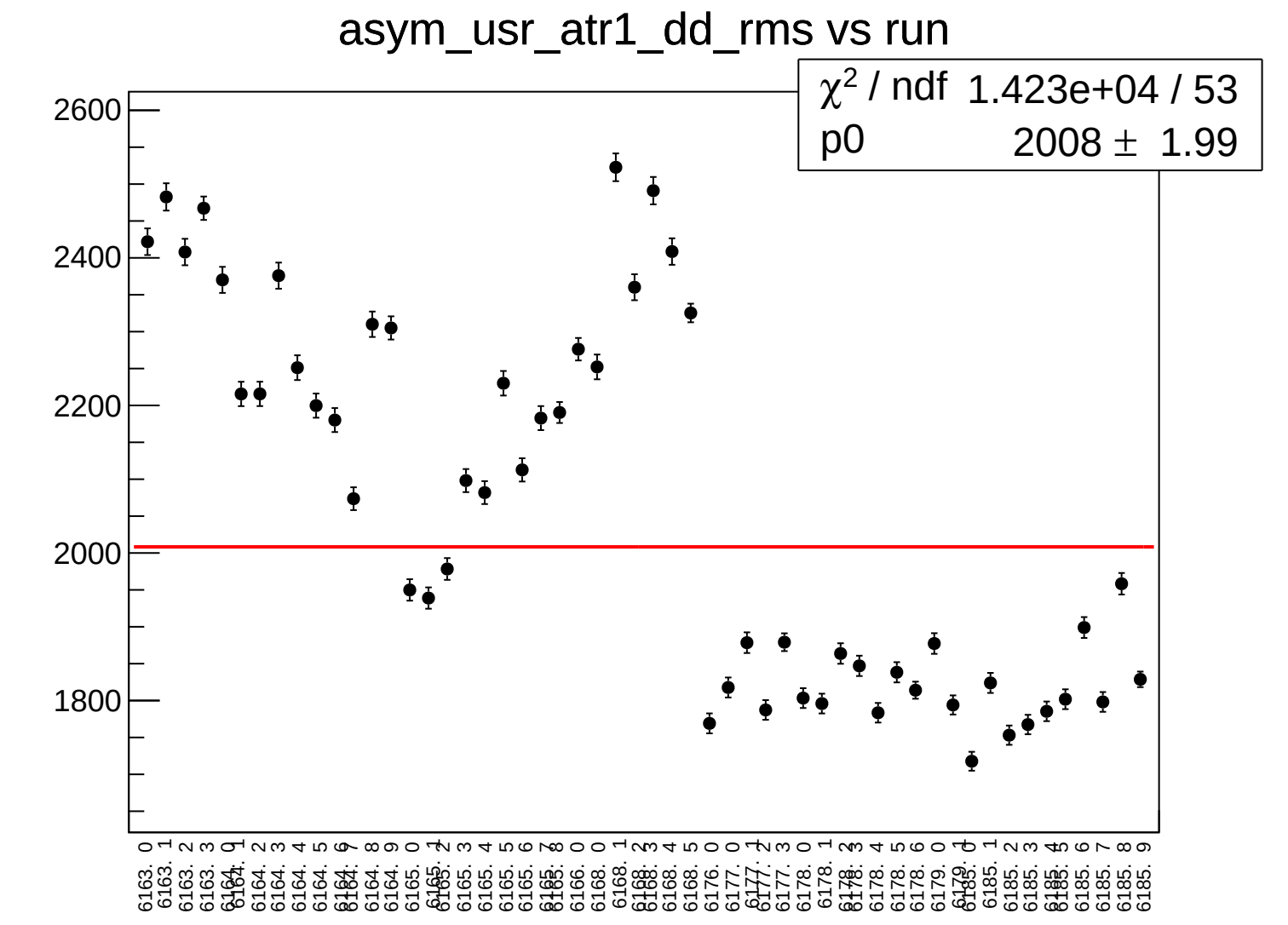

asym_usr_atr1_dd_eigen_dit_correction_mean vs run
χ² / ndf 56.01 / 53
p0 −3773 ± 1924
pull
Entries 54
Mean 8.719
Std Dev 10.65

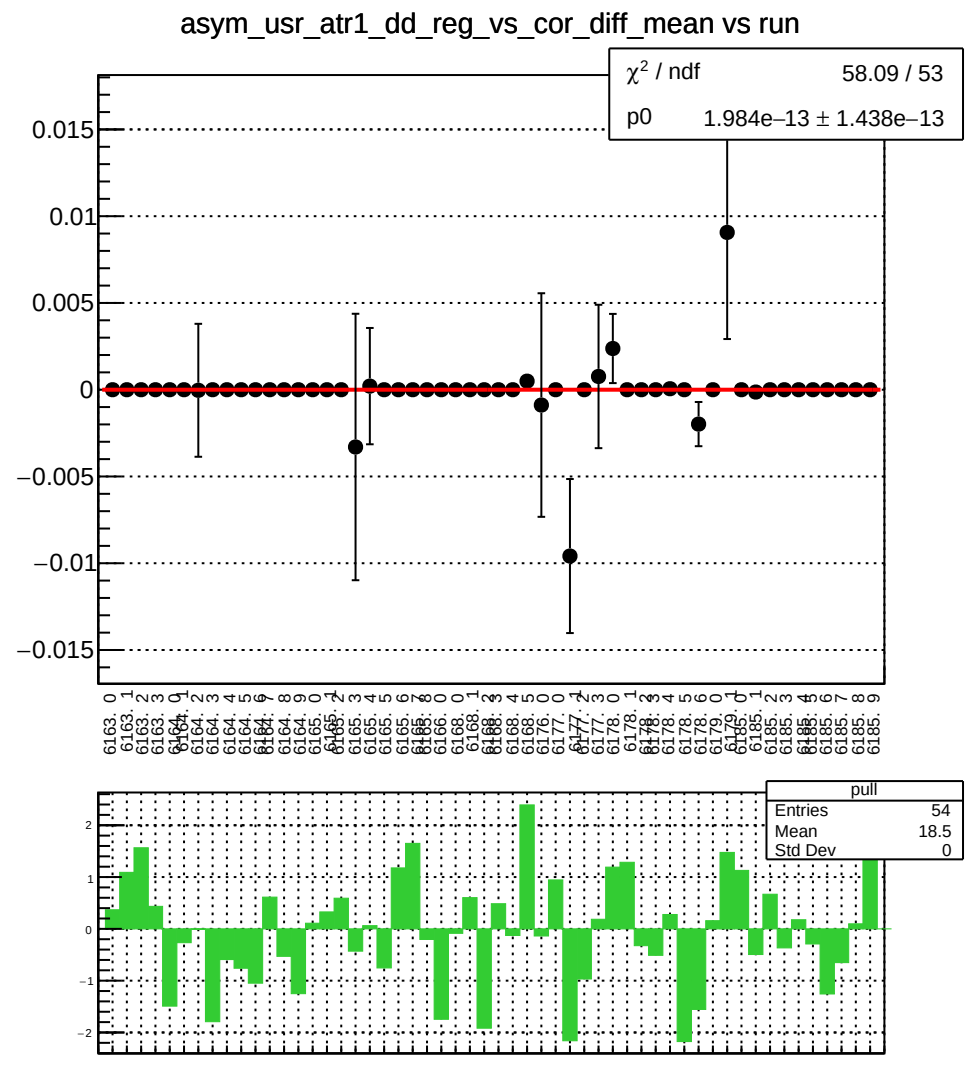

pull1D
Entries 54
Mean −0.02863
Std Dev 1.018

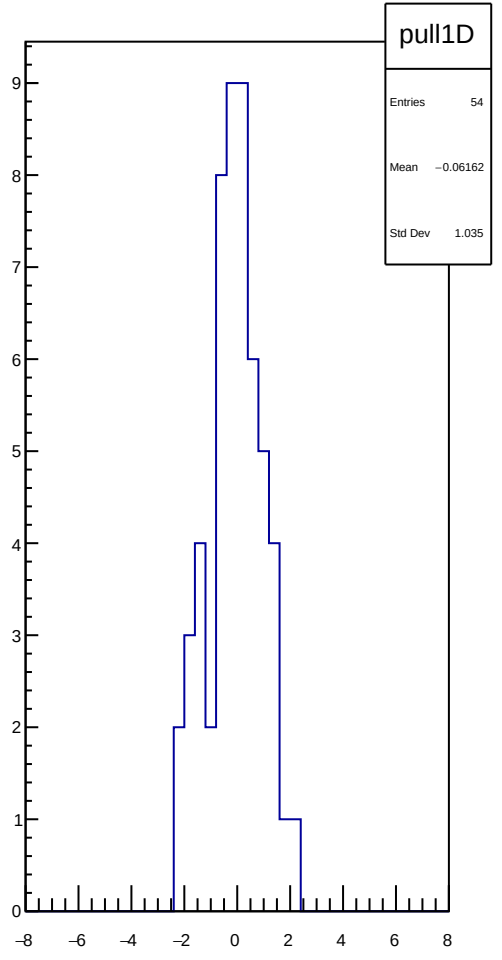

asym_usr_atr1_dd_eigen_dit_correction_rms vs run
χ² / ndf 6.201e+04 / 53
p0 1340 ± 1.36
2200
2000
1800
1600
1400
1200
1000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

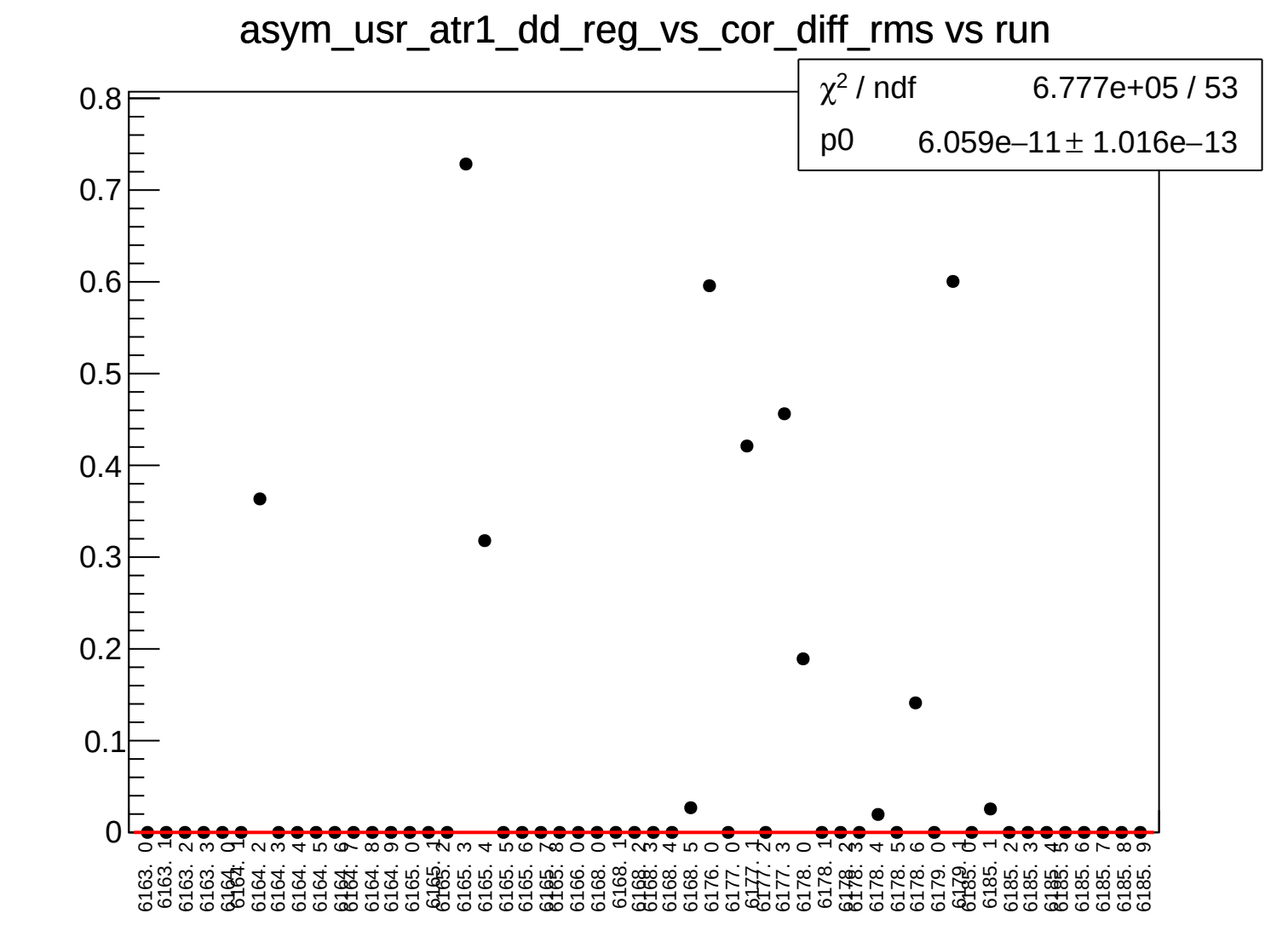

asym_usr_atr1_dd_mean vs run
χ² / ndf 55.13 / 53
p0 1973 ± 2814
pull
Entries 54
Mean −14.82
Std Dev 35.22

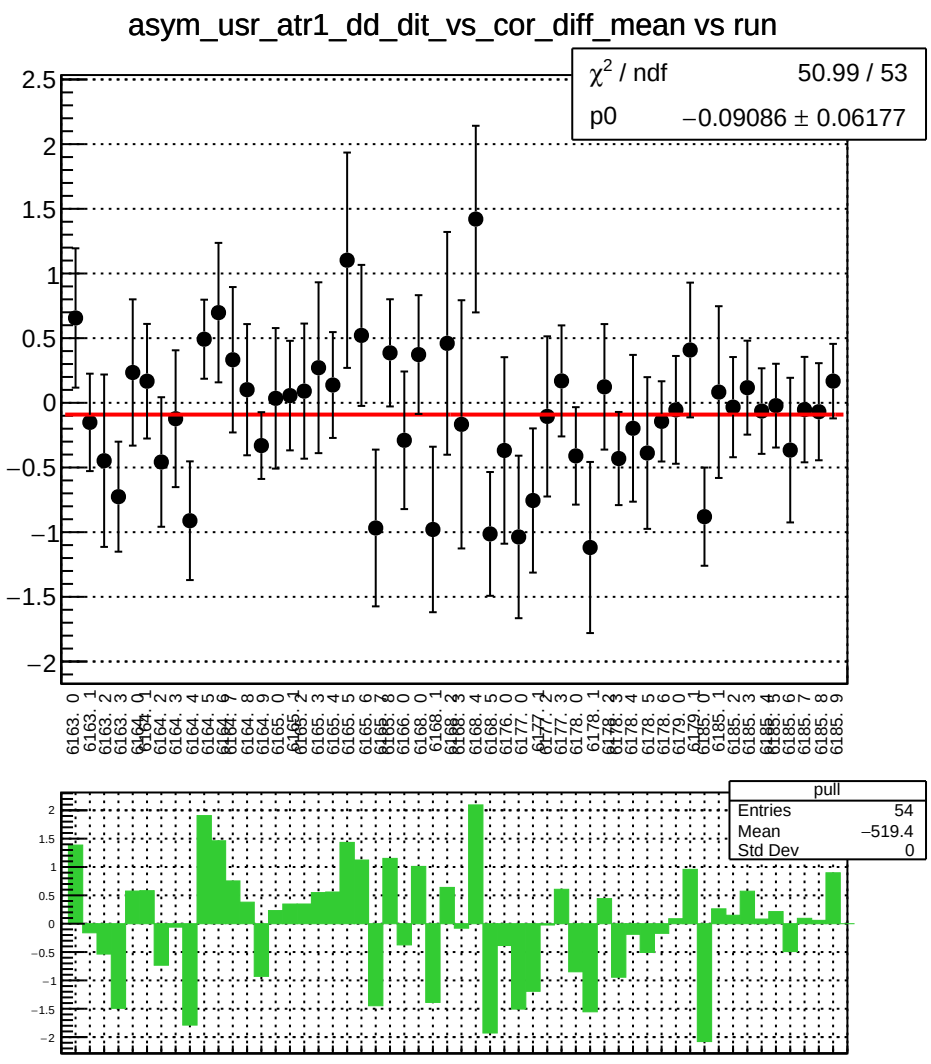

pull1D
Entries 54
Mean 0.01152
Std Dev 1.01

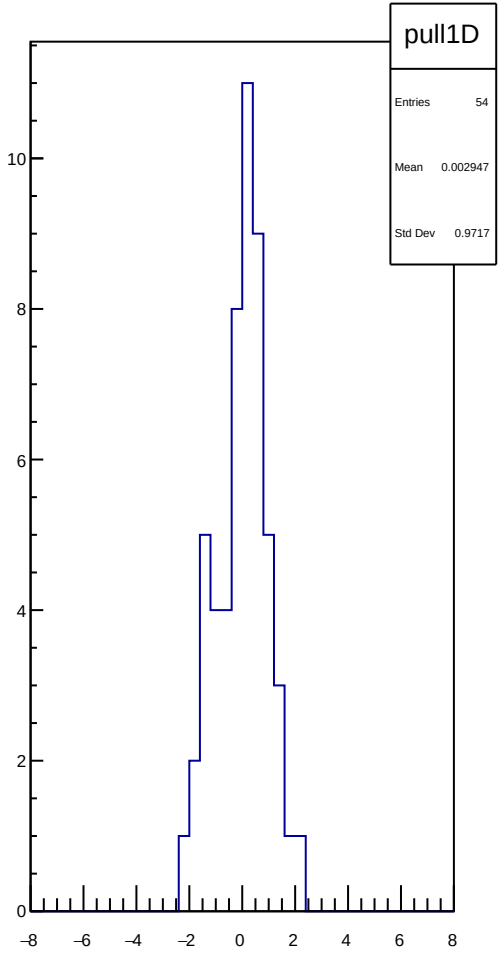

asym_usr_atr1_dd_rms vs run
χ² / ndf 1.423e+04 / 53
p0 2008 ± 1.99
2600
2400
2200
2000
1800
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

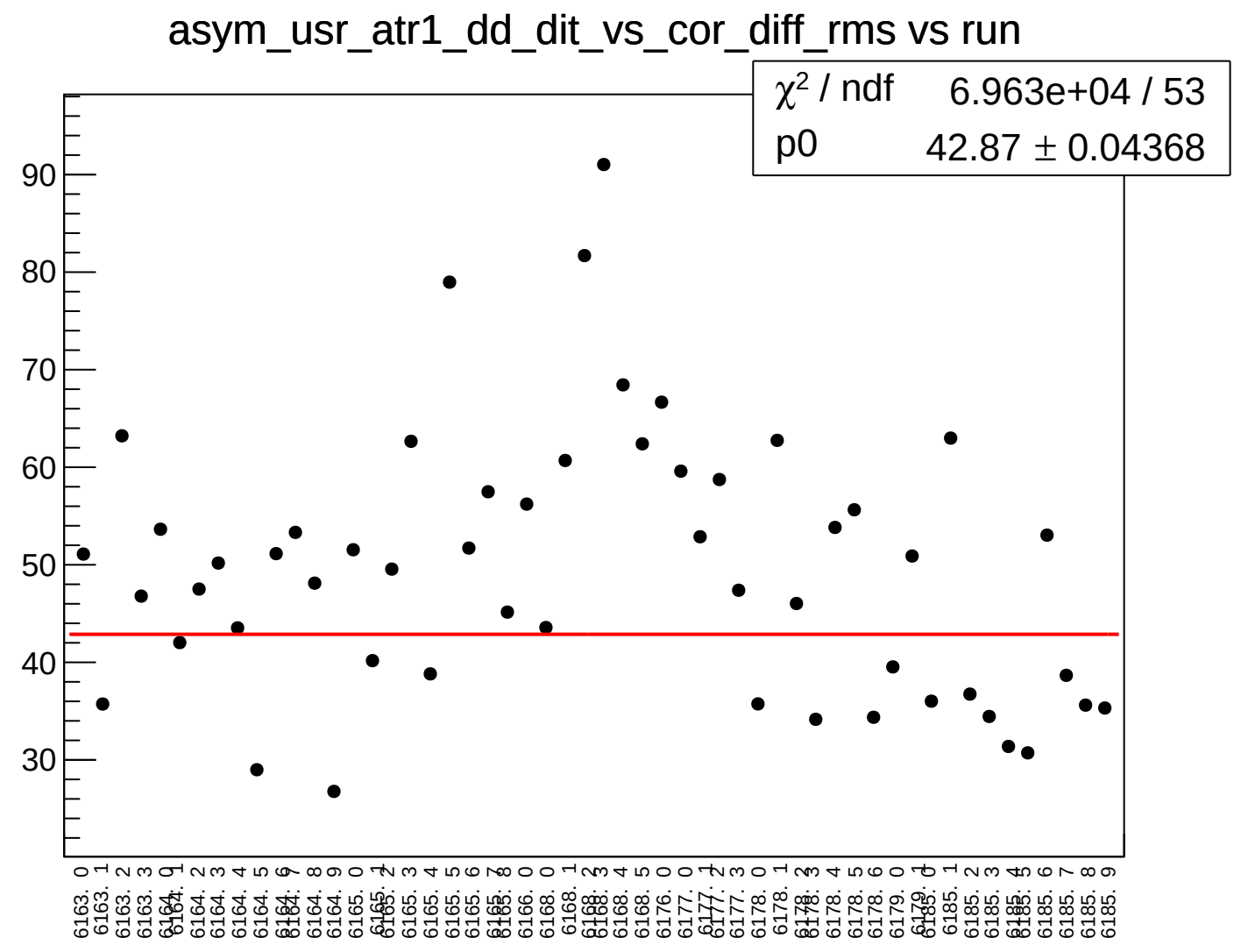

asym_usr_atr1_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 58.09 / 53
p0 1.984e−13 ± 1.438e−13
0.015
0.01
0.005
0
−0.005
−0.01
−0.015
pull
Entries 54
Mean 18.5
Std Dev 0
2
1
0
−1
−2

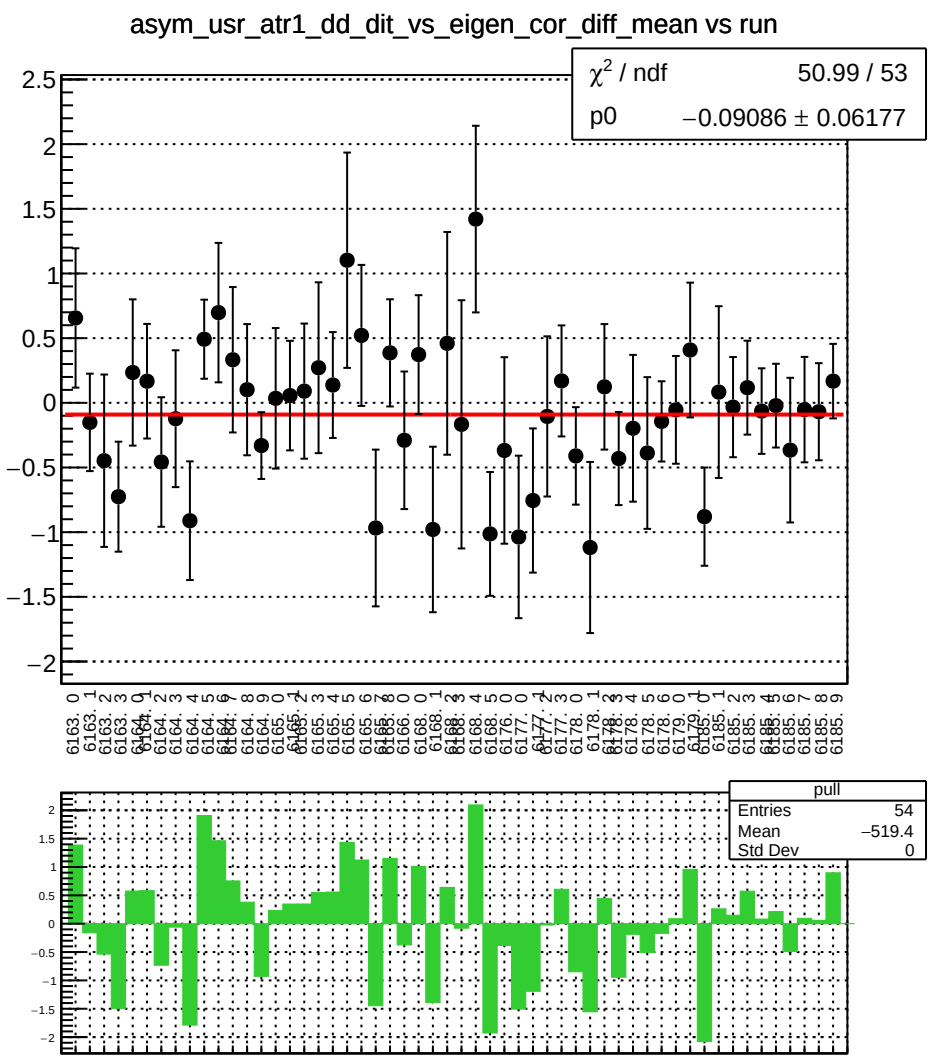

pull1D
Entries 54
Mean −0.06162
Std Dev 1.035
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

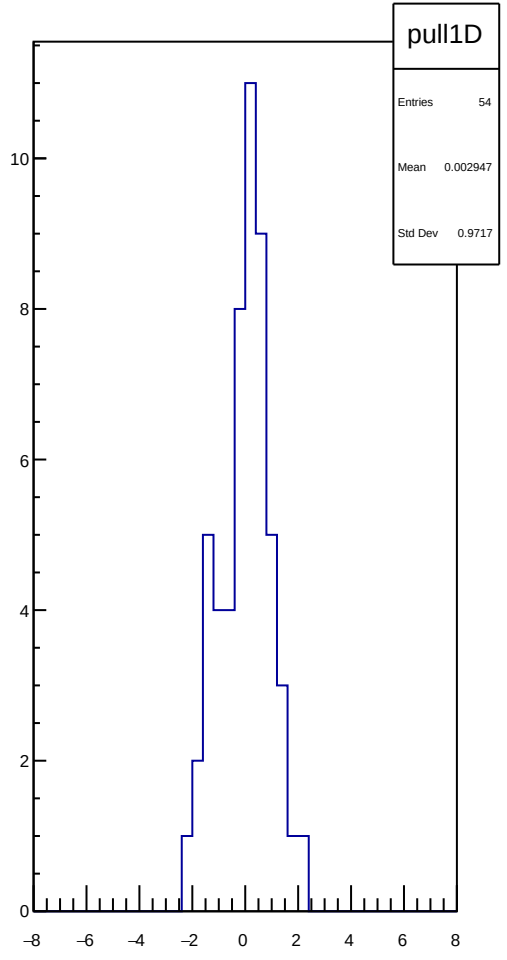

asym_usr_atr1_dd_reg_vs_cor_diff_rms vs run
χ^2 / ndf 6.777e+05 / 53
p0 6.059e−11 ± 1.016e−13
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 2
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 1
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

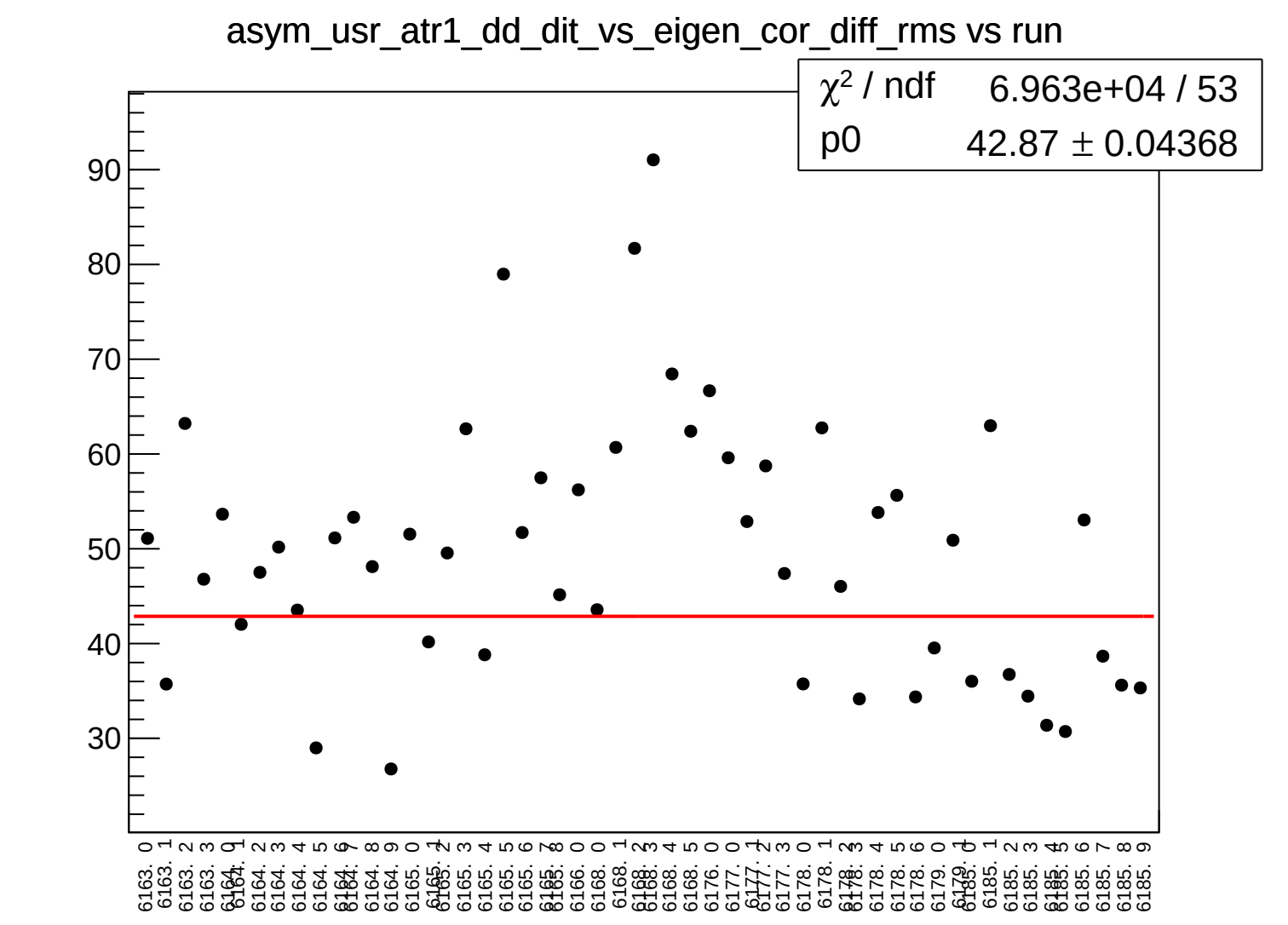

asym_usr_atr1_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 50.99 / 53
p0 −0.09086 ± 0.06177
pull
Entries 54
Mean −519.4
Std Dev 0

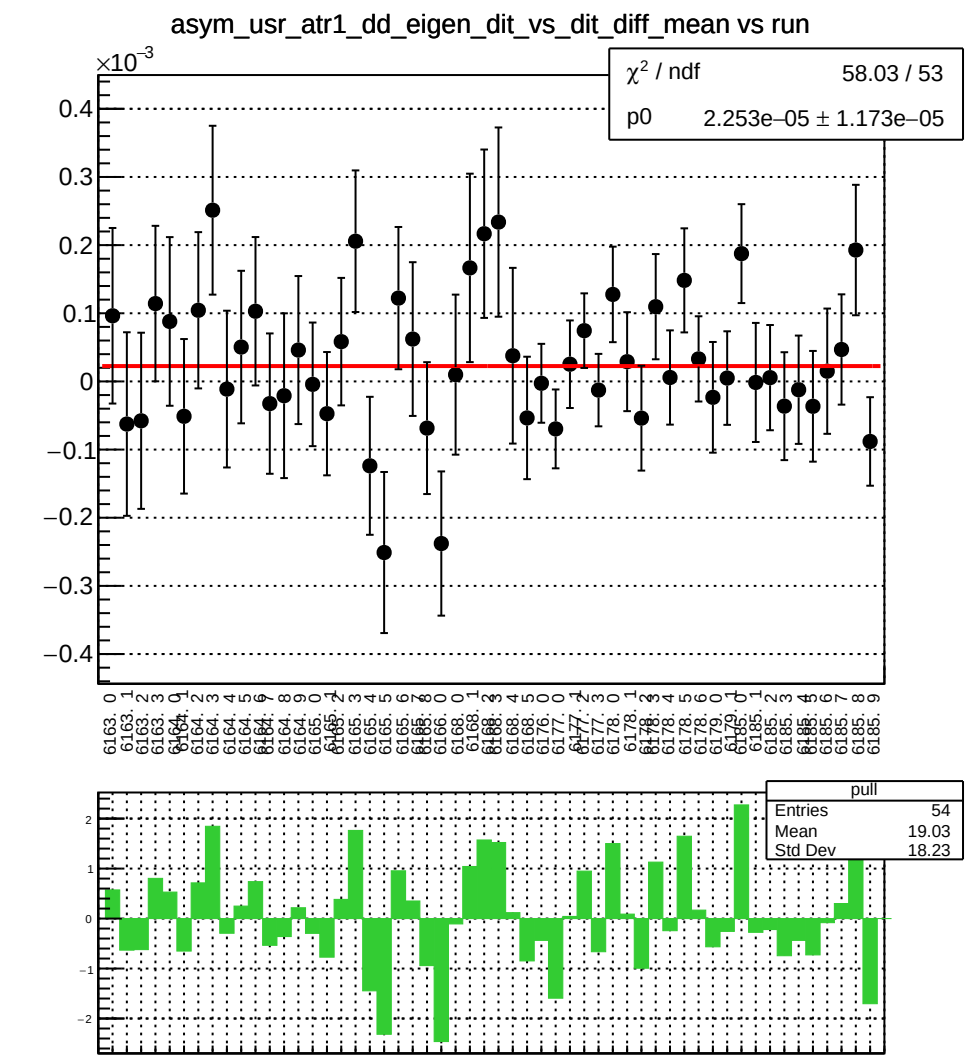

pull1D
Entries 54
Mean 0.002947
Std Dev 0.9717

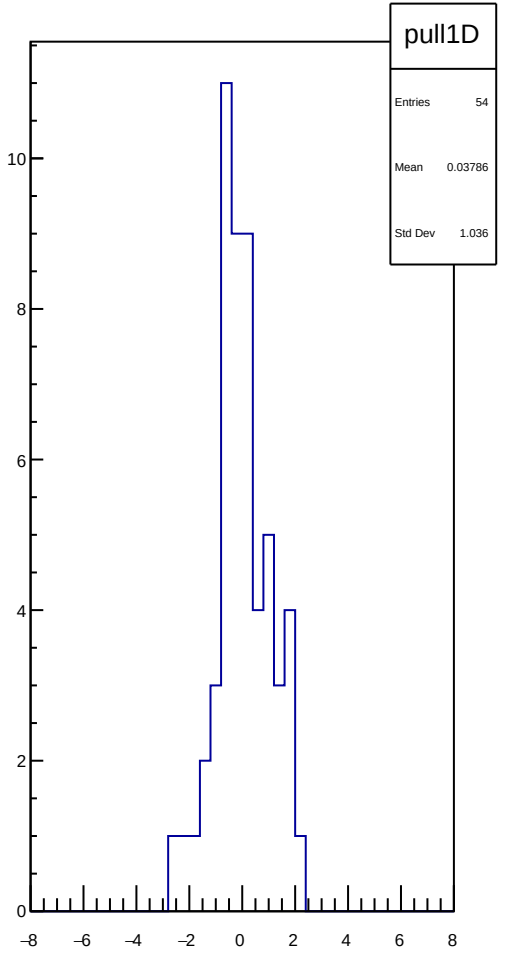

asym_usr_atr1_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 6.963e+04 / 53
p0 42.87 ± 0.04368
90
80
70
60
50
40
30
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

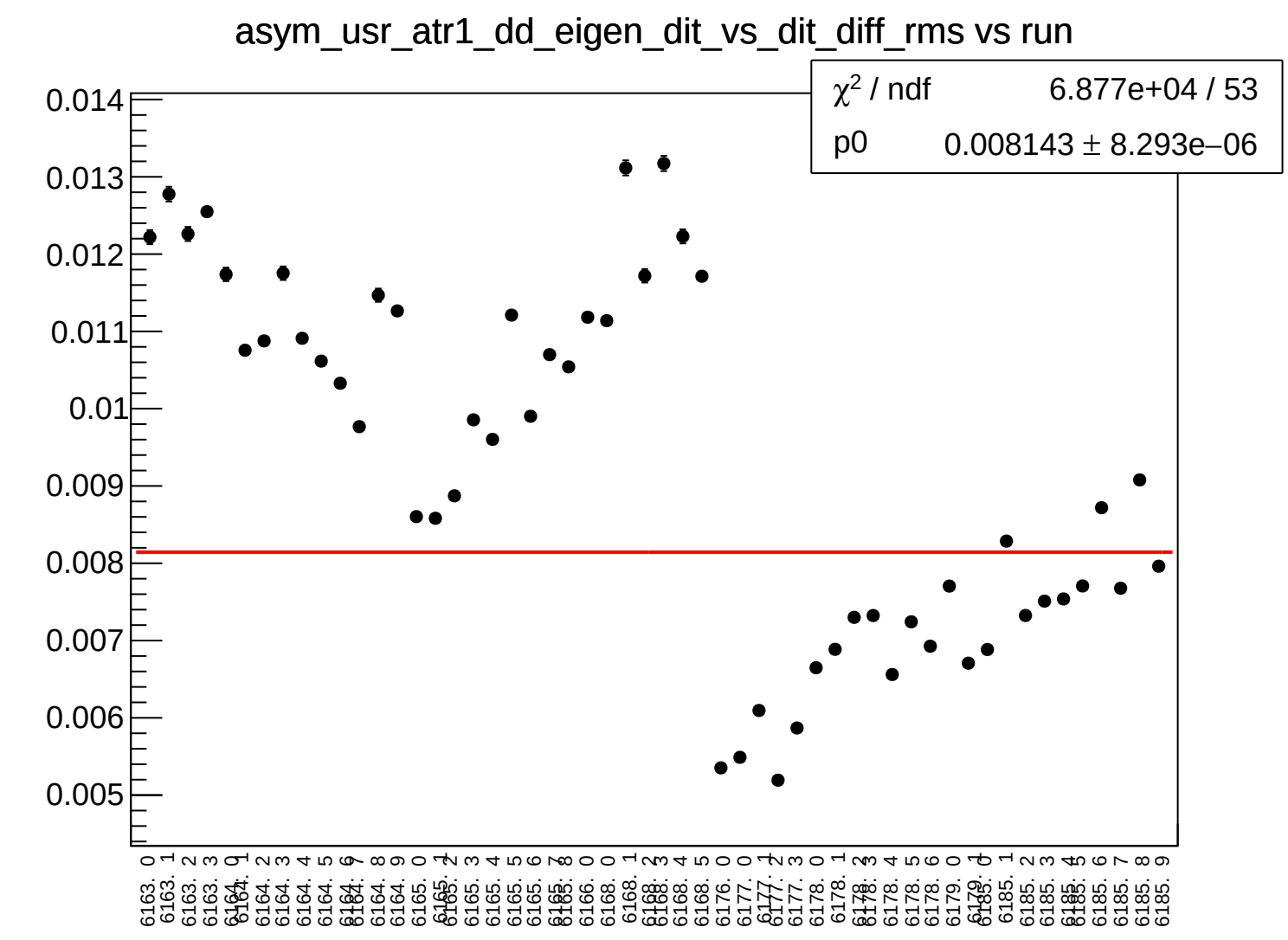

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 50.99 / 53
p0 −0.09086 ± 0.06177
pull
Entries 54
Mean −519.4
Std Dev 0

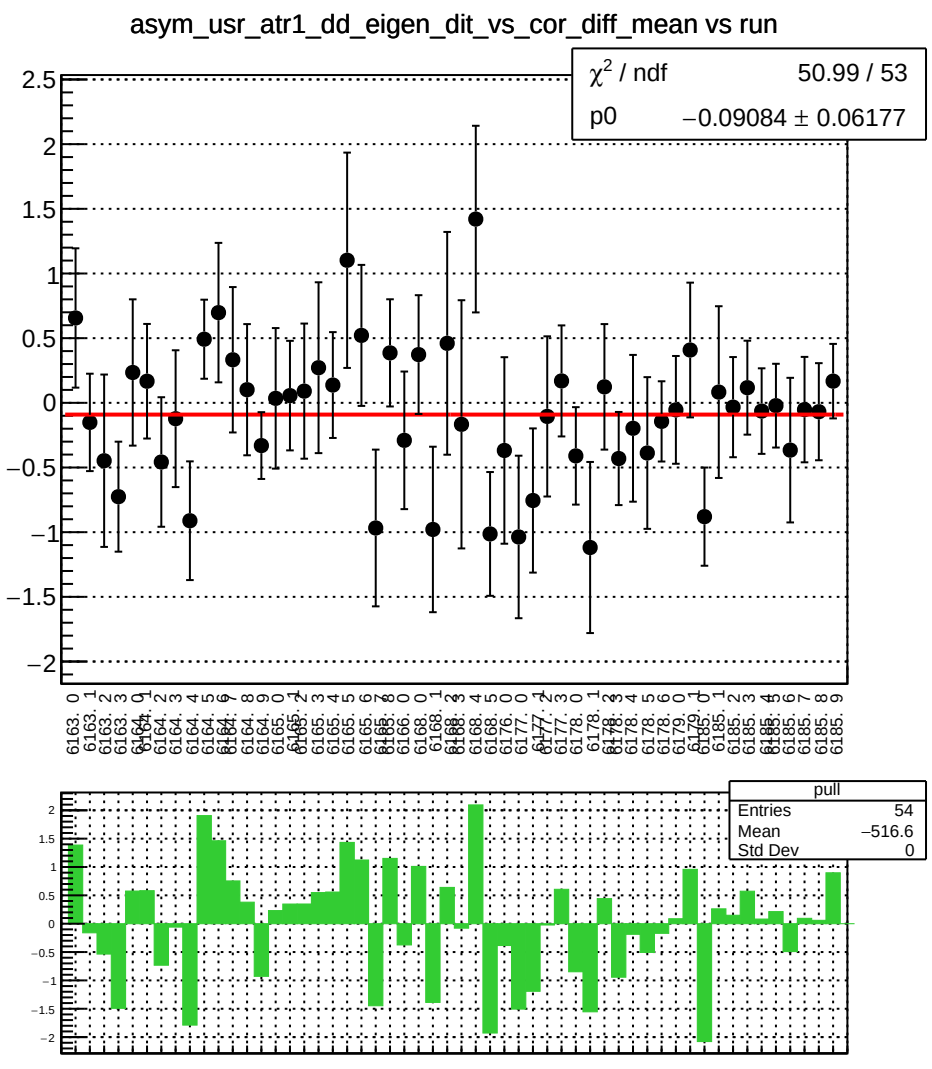

pull1D
Entries 54
Mean 0.002947
Std Dev 0.9717

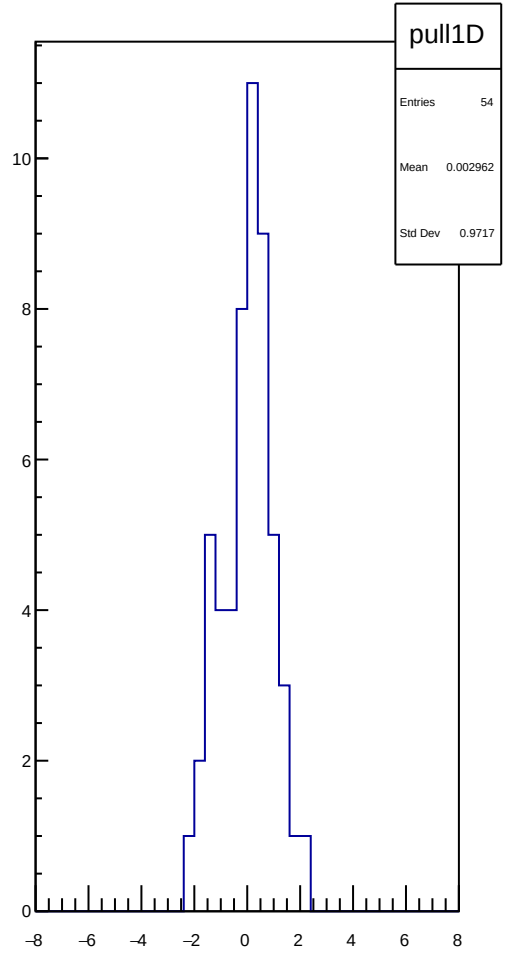

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.963e+04 / 53
p0 42.87 ± 0.04368
90
80
70
60
50
40
30
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

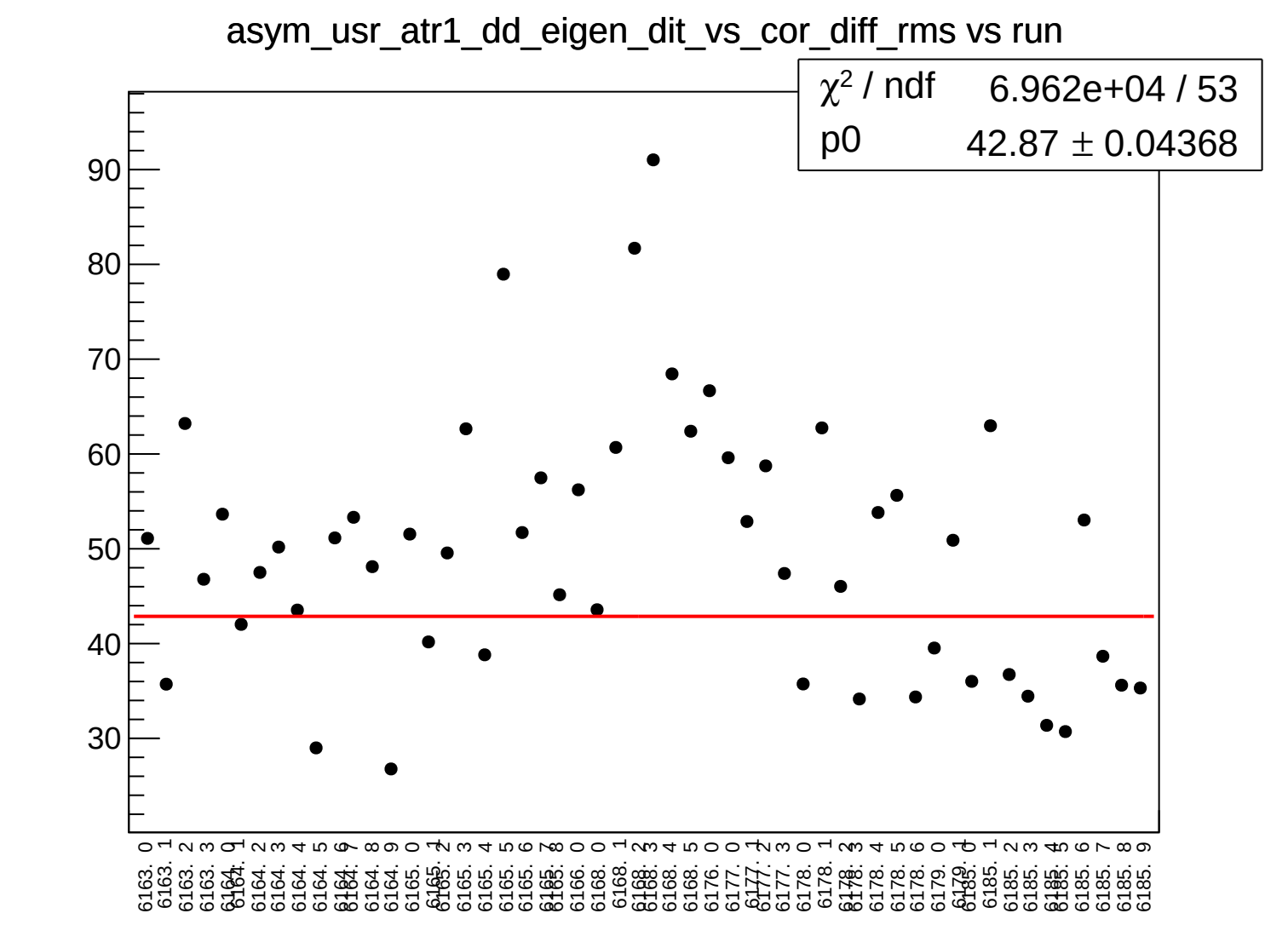

asym_usr_atr1_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 58.03 / 53
p0 2.253e−05 ± 1.173e−05
pull
Entries 54
Mean 19.03
Std Dev 18.23

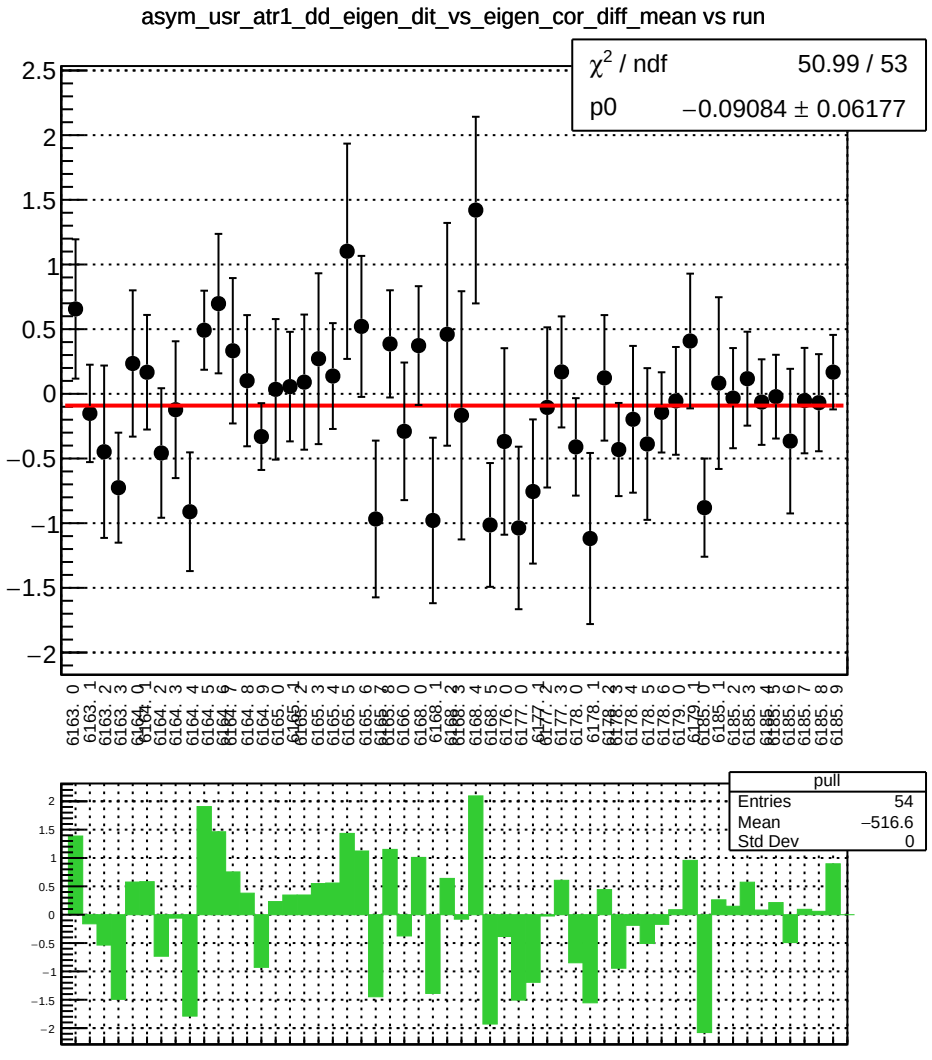

pull1D
Entries 54
Mean 0.03786
Std Dev 1.036

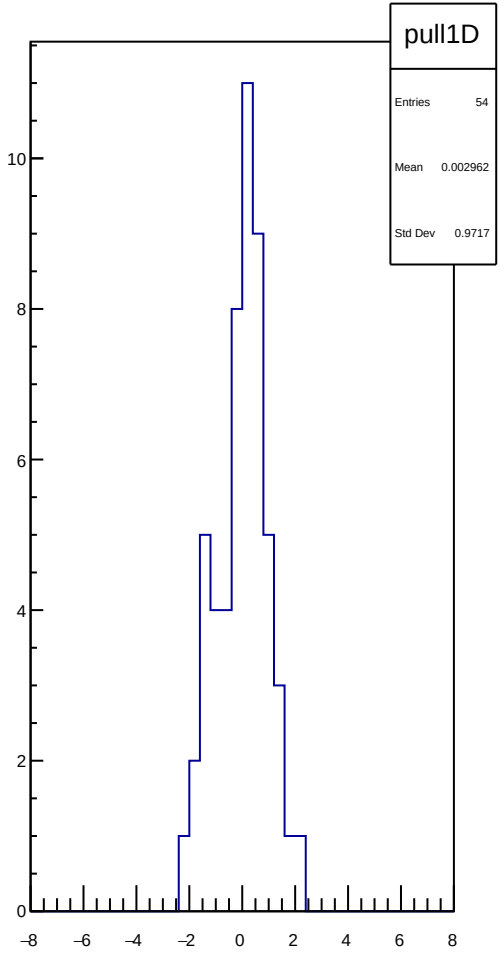

asym_usr_atr1_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 6.877e+04 / 53
p0 0.008143 ± 8.293e−06
0.014
0.013
0.012
0.011
0.01
0.009
0.008
0.007
0.006
0.005
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

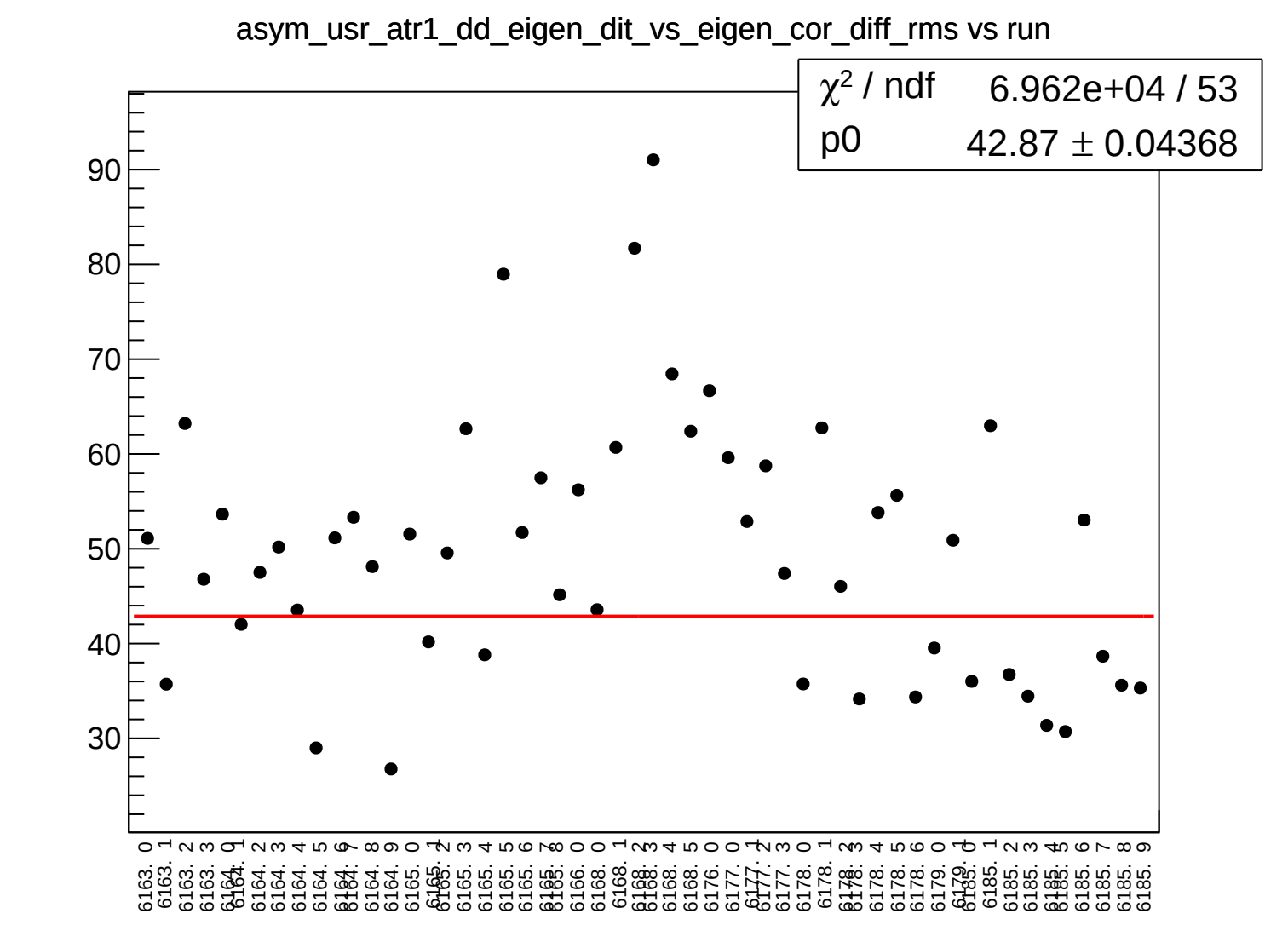

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 50.99 / 53
p0 −0.09084 ± 0.06177
pull
Entries 54
Mean −516.6
Std Dev 0

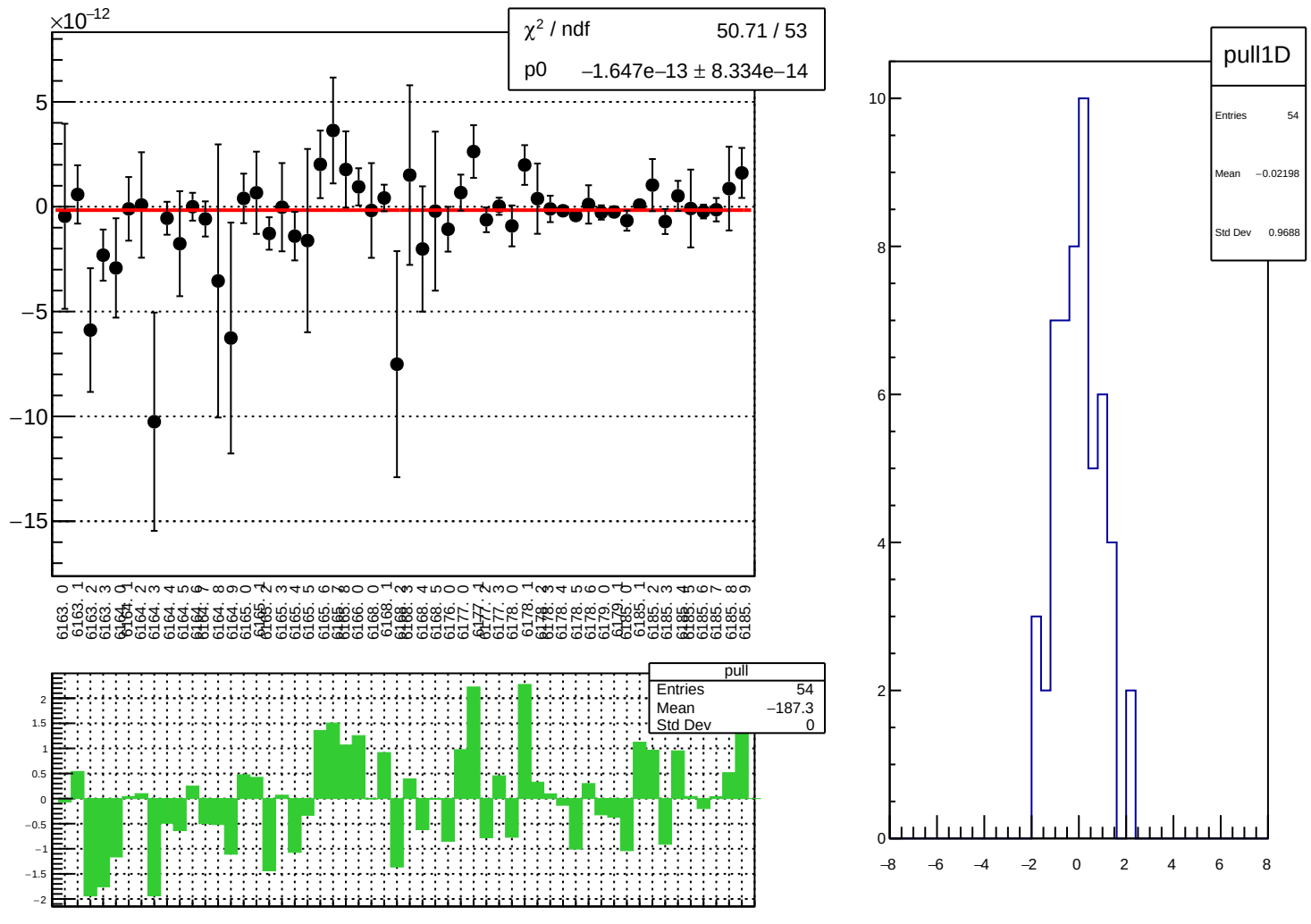

pull1D
Entries 54
Mean 0.002962
Std Dev 0.9717

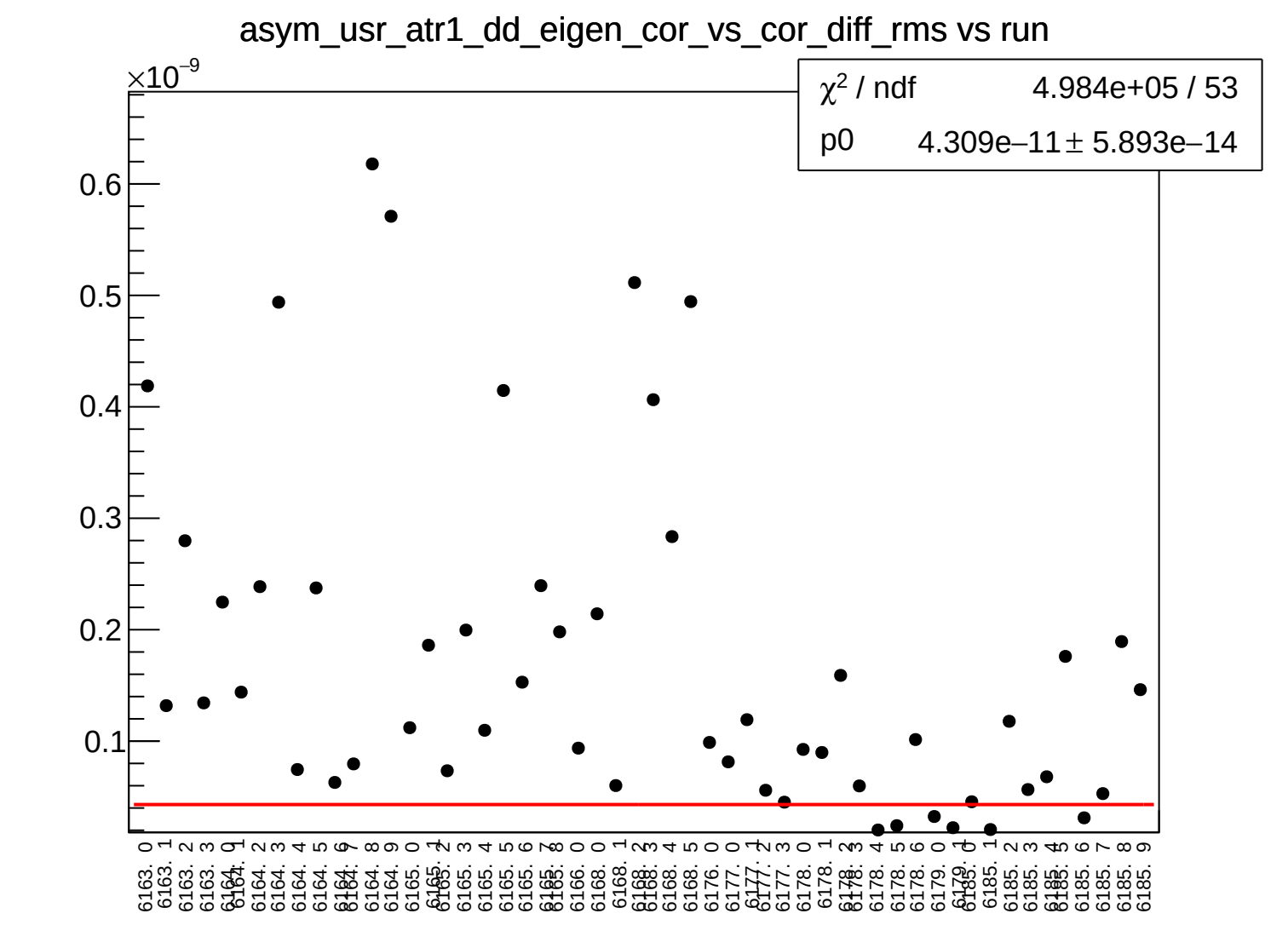

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 6.962e+04 / 53
p0 42.87 ± 0.04368
90
80
70
60
50
40
30
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

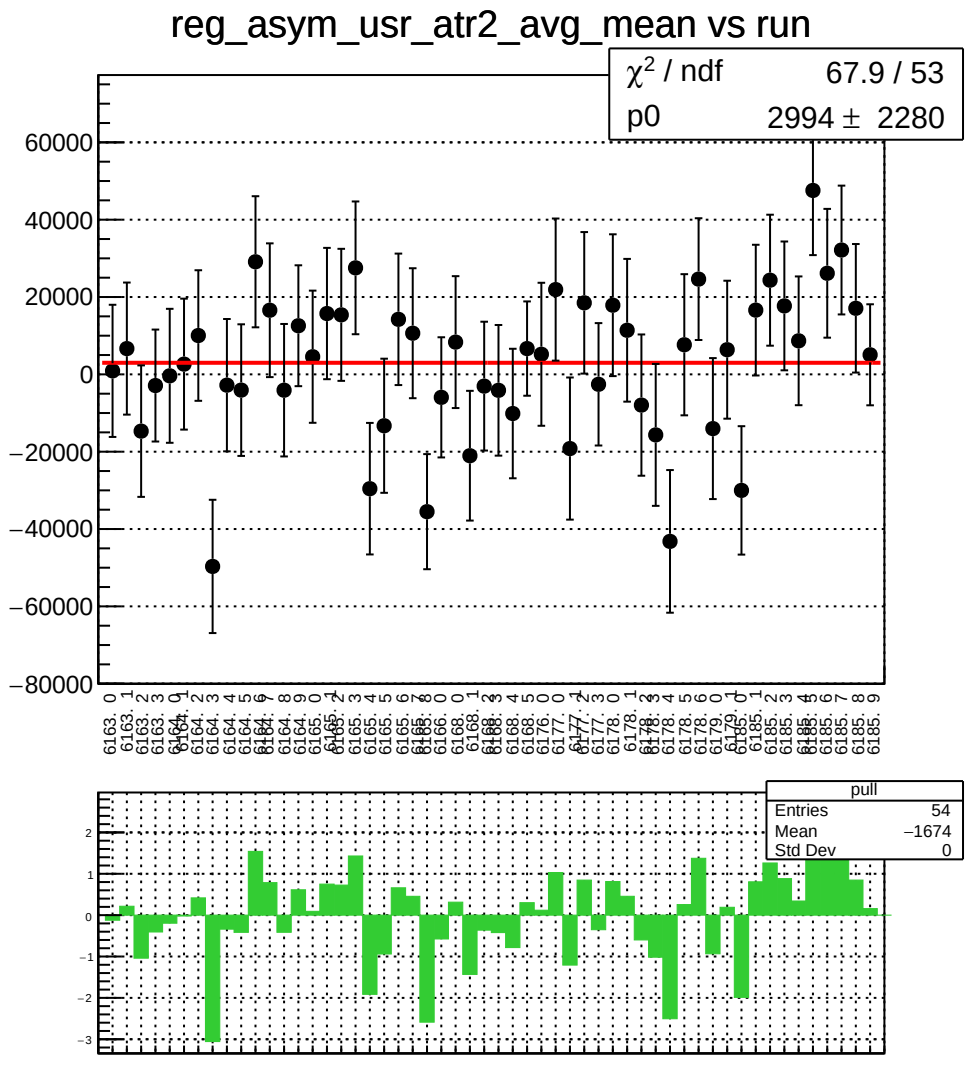

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 50.99 / 53
p0 −0.09084 ± 0.06177
pull
Entries 54
Mean −516.6
Std Dev 0

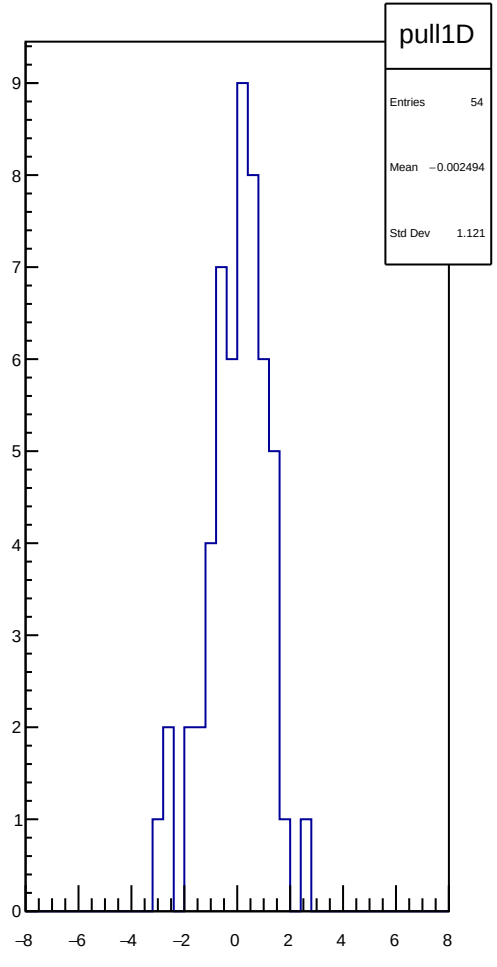

pull1D
Entries 54
Mean 0.002962
Std Dev 0.9717

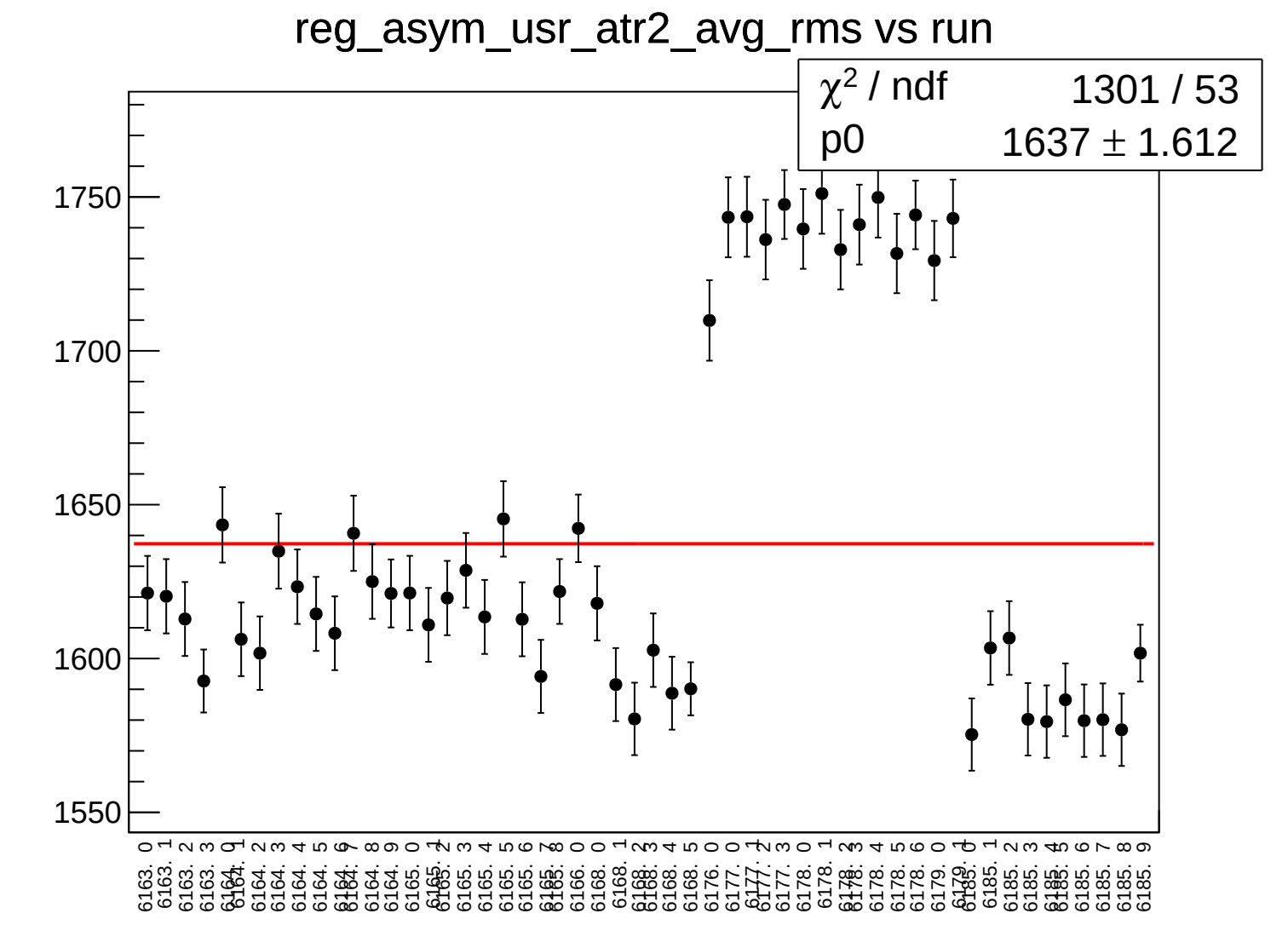

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.962e+04 / 53
p0 42.87 ± 0.04368
90
80
70
60
50
40
30
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

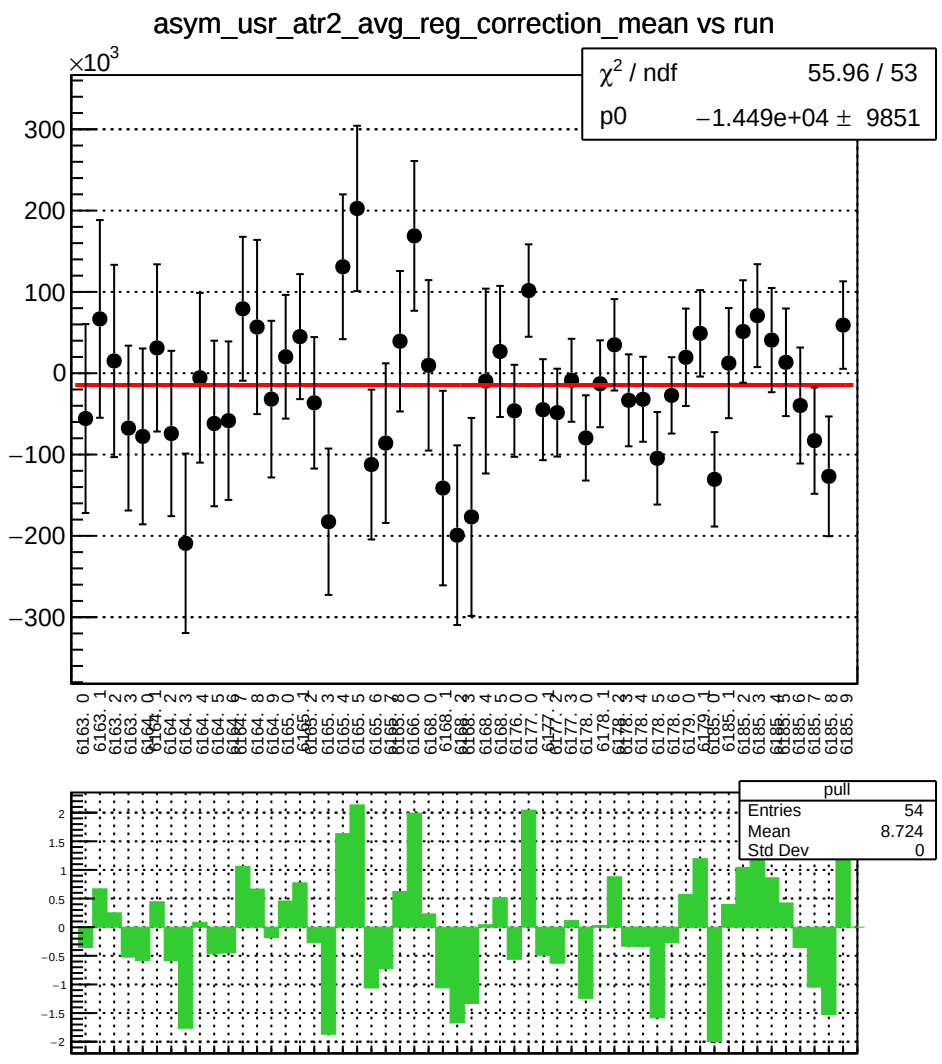

asym_usr_atr1_dd_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 50.71 / 53
p0 −1.647e−13 ± 8.334e−14
pull
Entries 54
Mean −187.3
Std Dev 0
pull1D
Entries 54
Mean −0.02198
Std Dev 0.9688

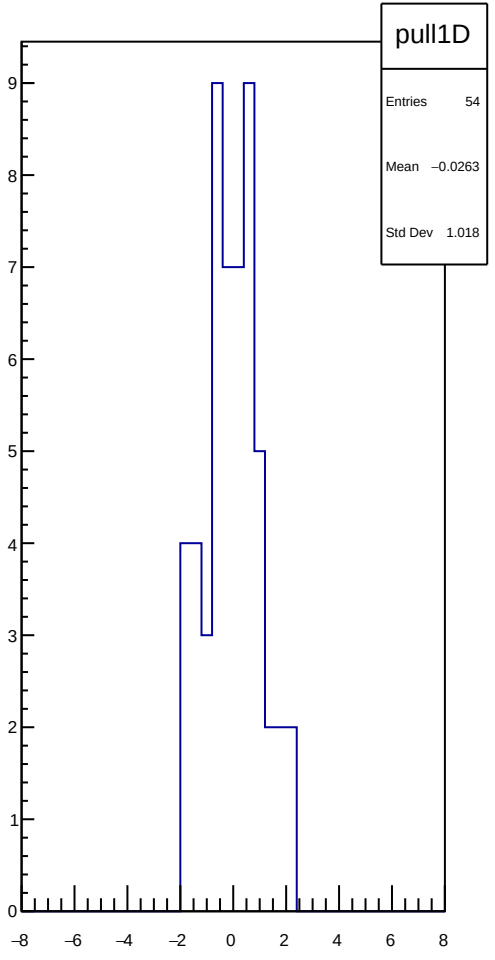

asym_usr_atr1_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.984e+05 / 53
p0 4.309e−11 ± 5.893e−14
0.6
0.5
0.4
0.3
0.2
0.1
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


reg_asym_usr_atr2_avg_mean vs run
χ² / ndf 67.9 / 53
p0 2994 ± 2280
pull
Entries 54
Mean −1674
Std Dev 0


pull1D
Entries 54
Mean −0.002494
Std Dev 1.121


reg_asym_usr_atr2_avg_rms vs run
χ² / ndf 1301 / 53
p0 1637 ± 1.612
1750
1700
1650
1600
1550
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


asym_usr_atr2_avg_reg_correction_mean vs run
×10^3
χ² / ndf 55.96 / 53
p0 −1.449e+04 ± 9851
300
200
100
0
−100
−200
−300
pull
Entries 54
Mean 8.724
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 54
Mean −0.0263
Std Dev 1.018
9
8
7
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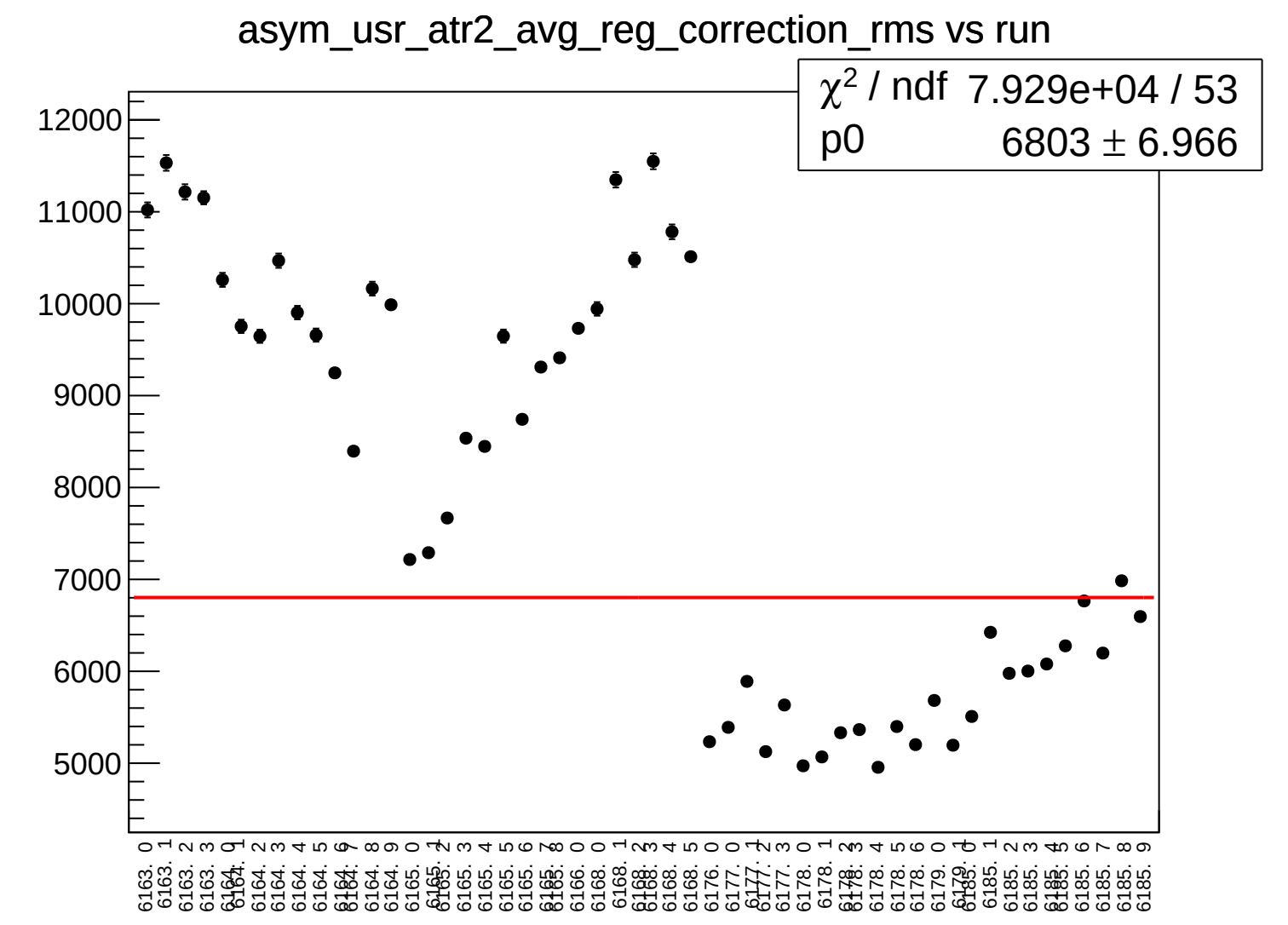
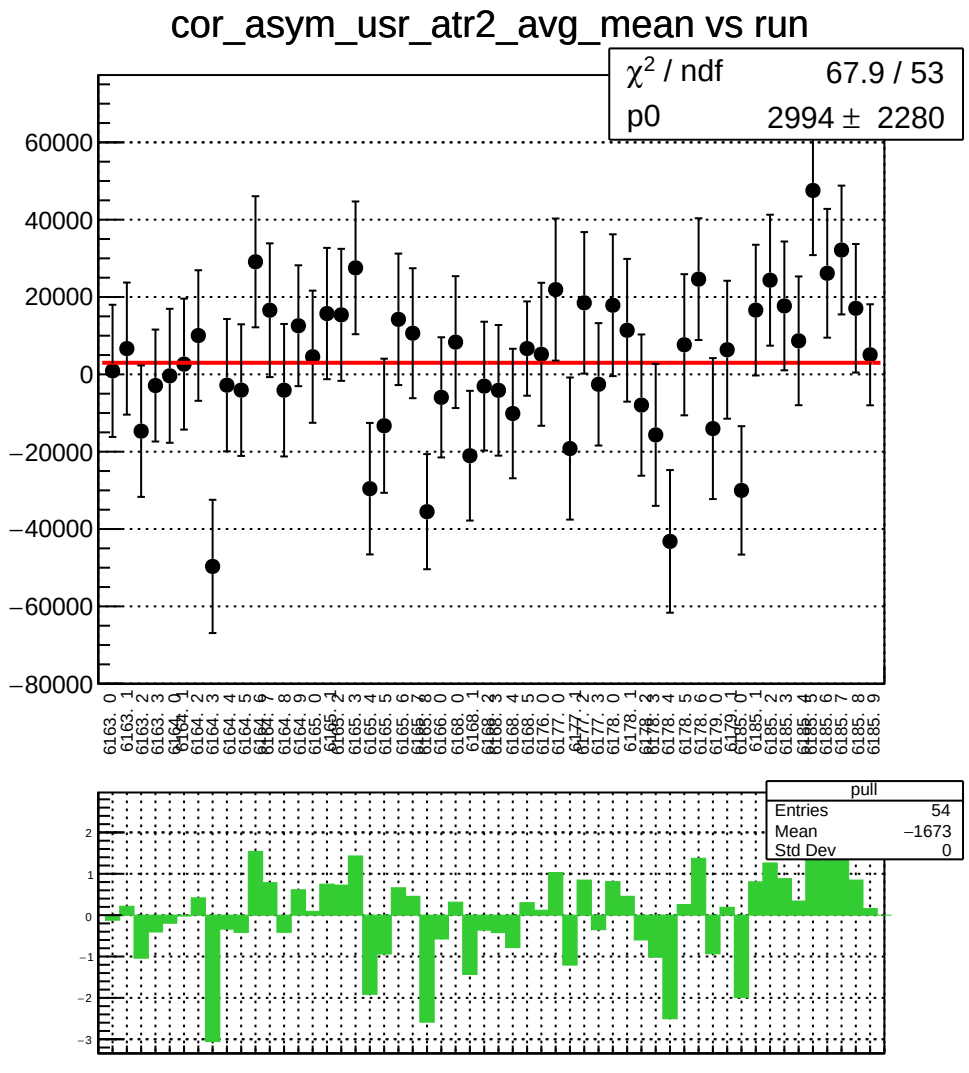
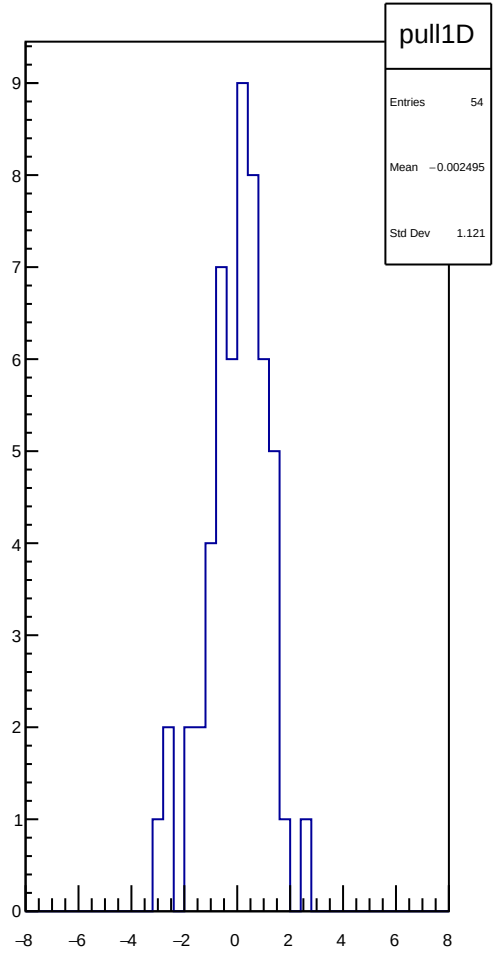
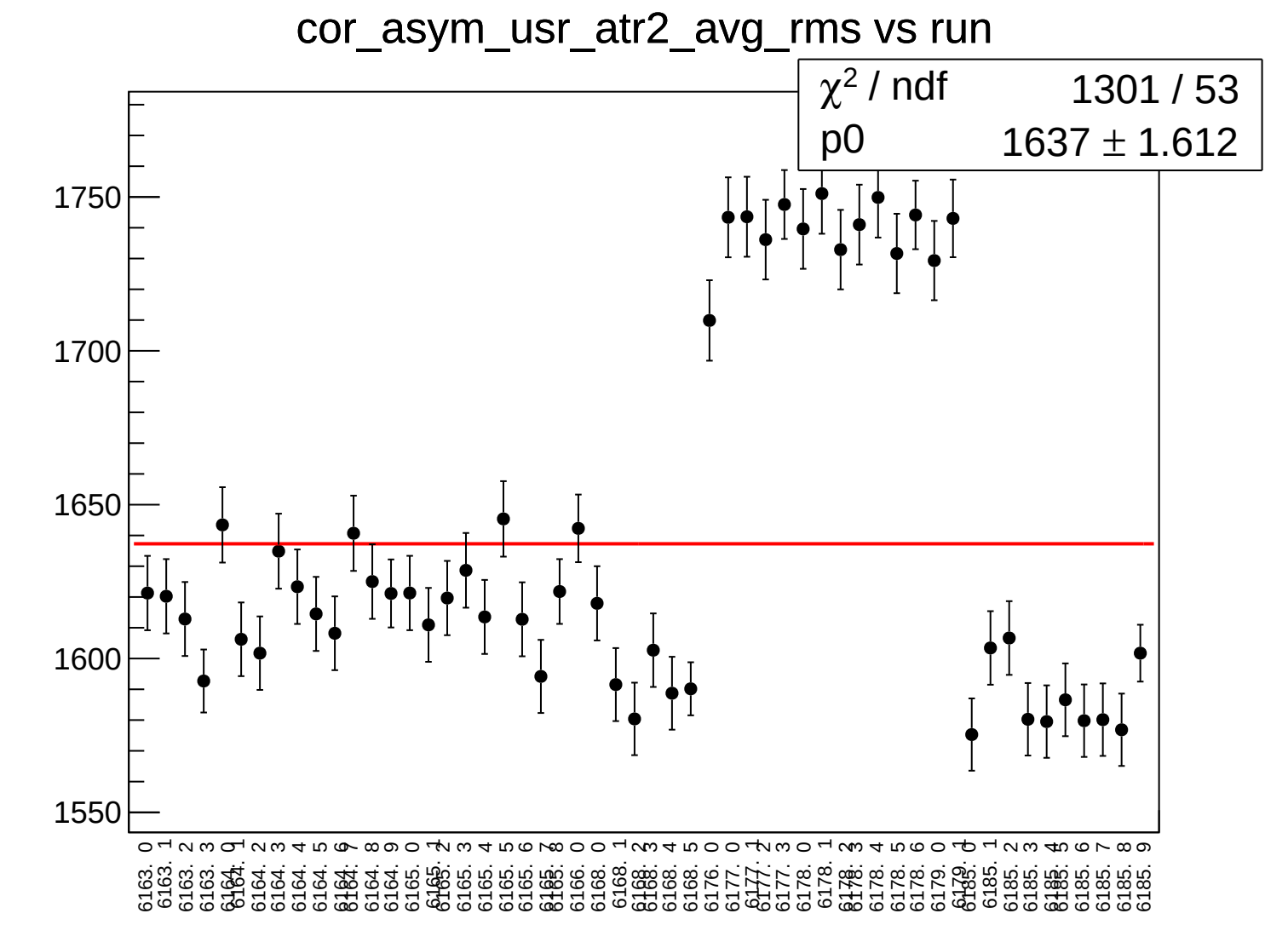
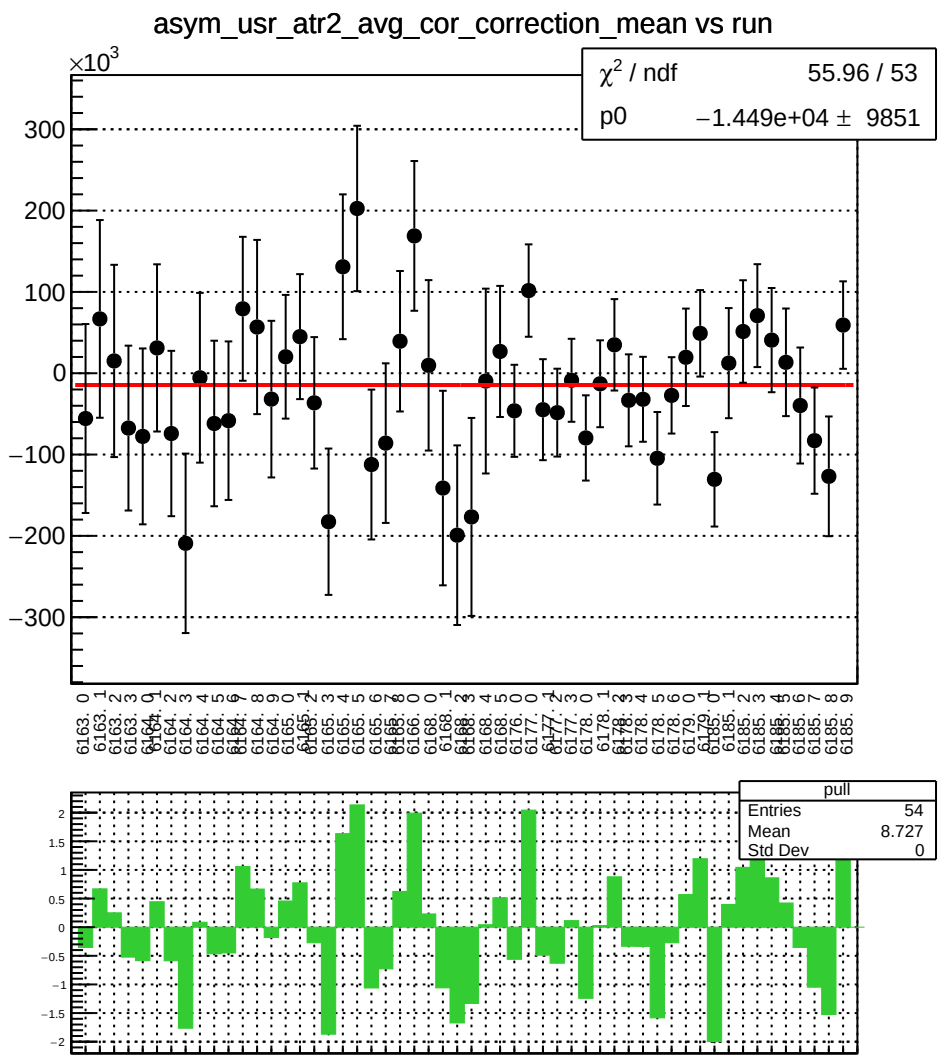
8

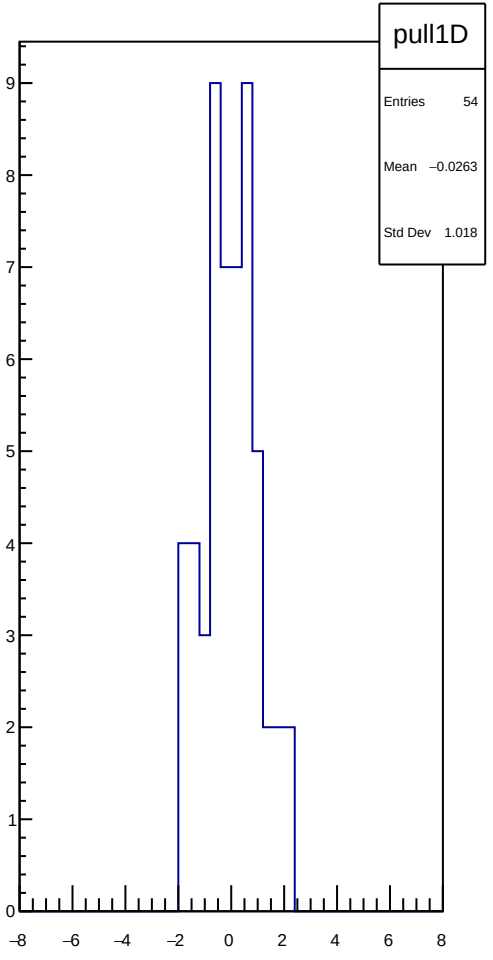

asym_usr_atr2_avg_reg_correction_rms vs run
χ² / ndf 7.929e+04 / 53
p0 6803 ± 6.966
12000
11000
10000
9000
8000
7000
6000
5000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


cor_asym_usr_atr2_avg_mean vs run
χ² / ndf 67.9 / 53
p0 2994 ± 2280
pull
Entries 54
Mean −1673
Std Dev 0


pull1D
Entries 54
Mean −0.002495
Std Dev 1.121


cor_asym_usr_atr2_avg_rms vs run
χ² / ndf 1301 / 53
p0 1637 ± 1.612
1750
1700
1650
1600
1550
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


asym_usr_atr2_avg_cor_correction_mean vs run
×10^3
χ² / ndf 55.96 / 53
p0 −1.449e+04 ± 9851
300
200
100
0
−100
−200
−300
pull
Entries 54
Mean 8.727
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 54
Mean −0.0263
Std Dev 1.018
9
8
7
6
5
4
3
2
1
0
−8
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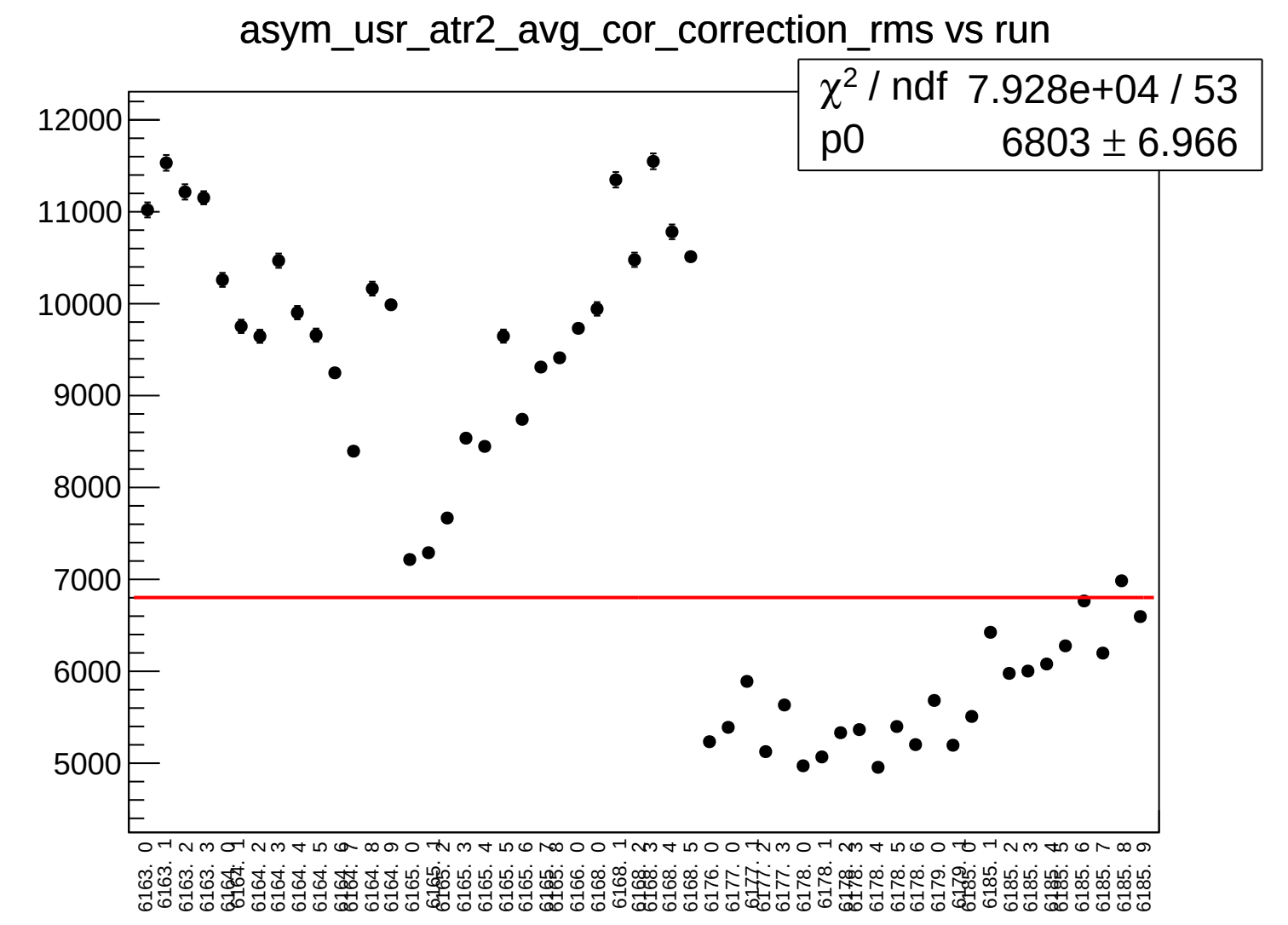
−4
−2
0
2
4
6
8


asym_usr_atr2_avg_cor_correction_rms vs run
χ² / ndf 7.928e+04 / 53
p0 6803 ± 6.966
12000
11000
10000
9000
8000
7000
6000
5000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
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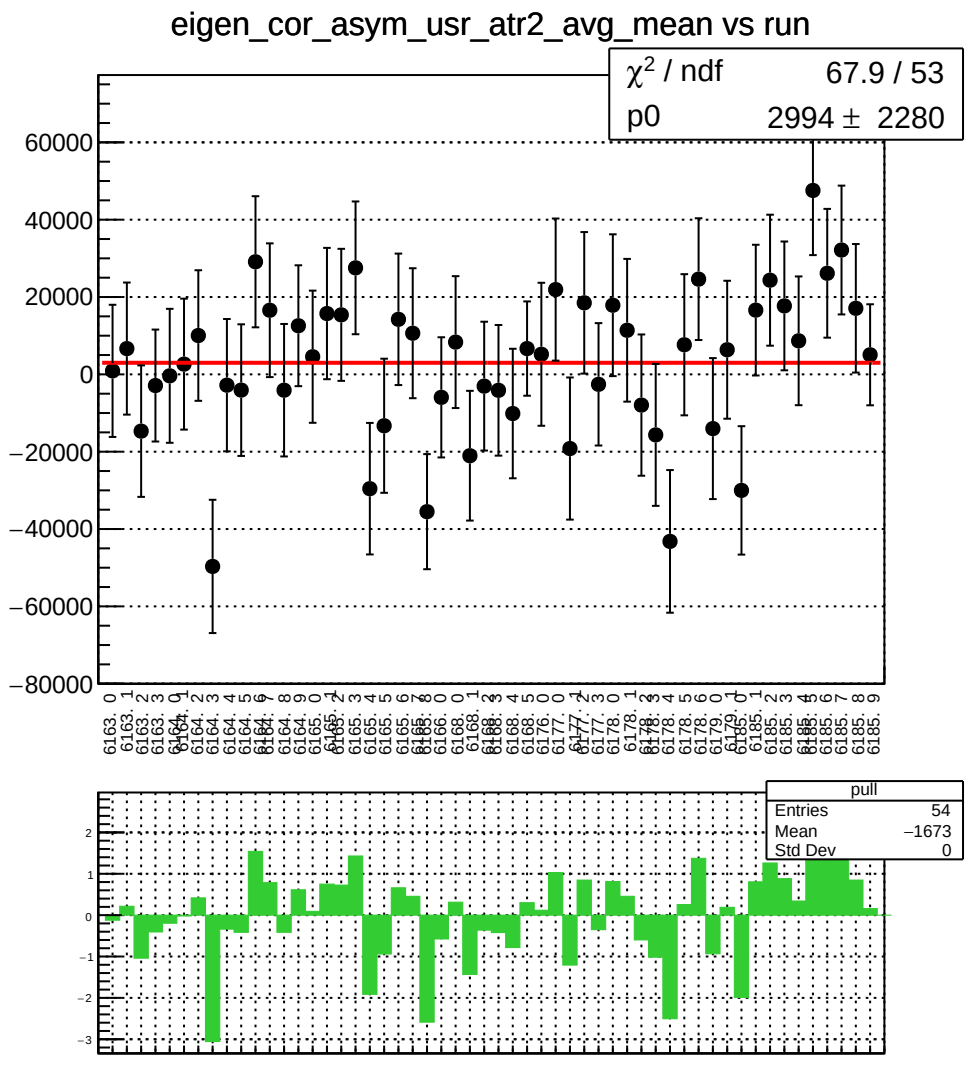
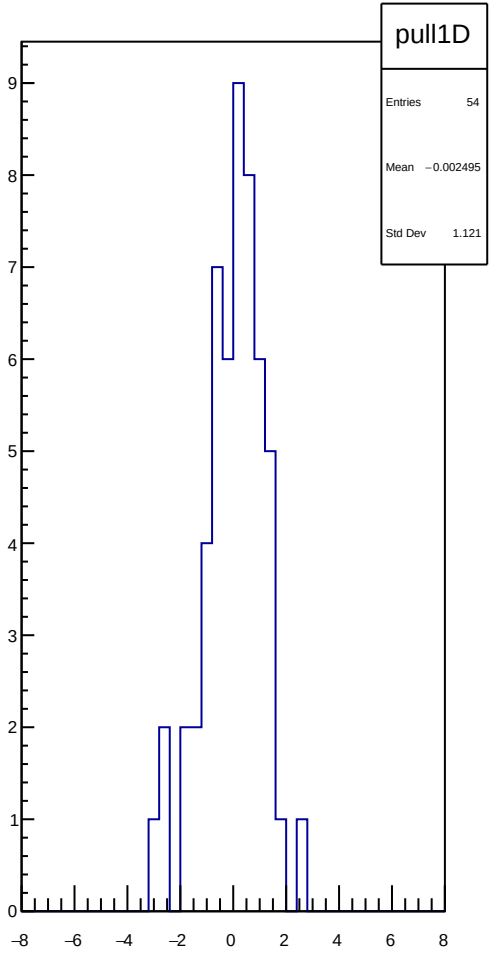
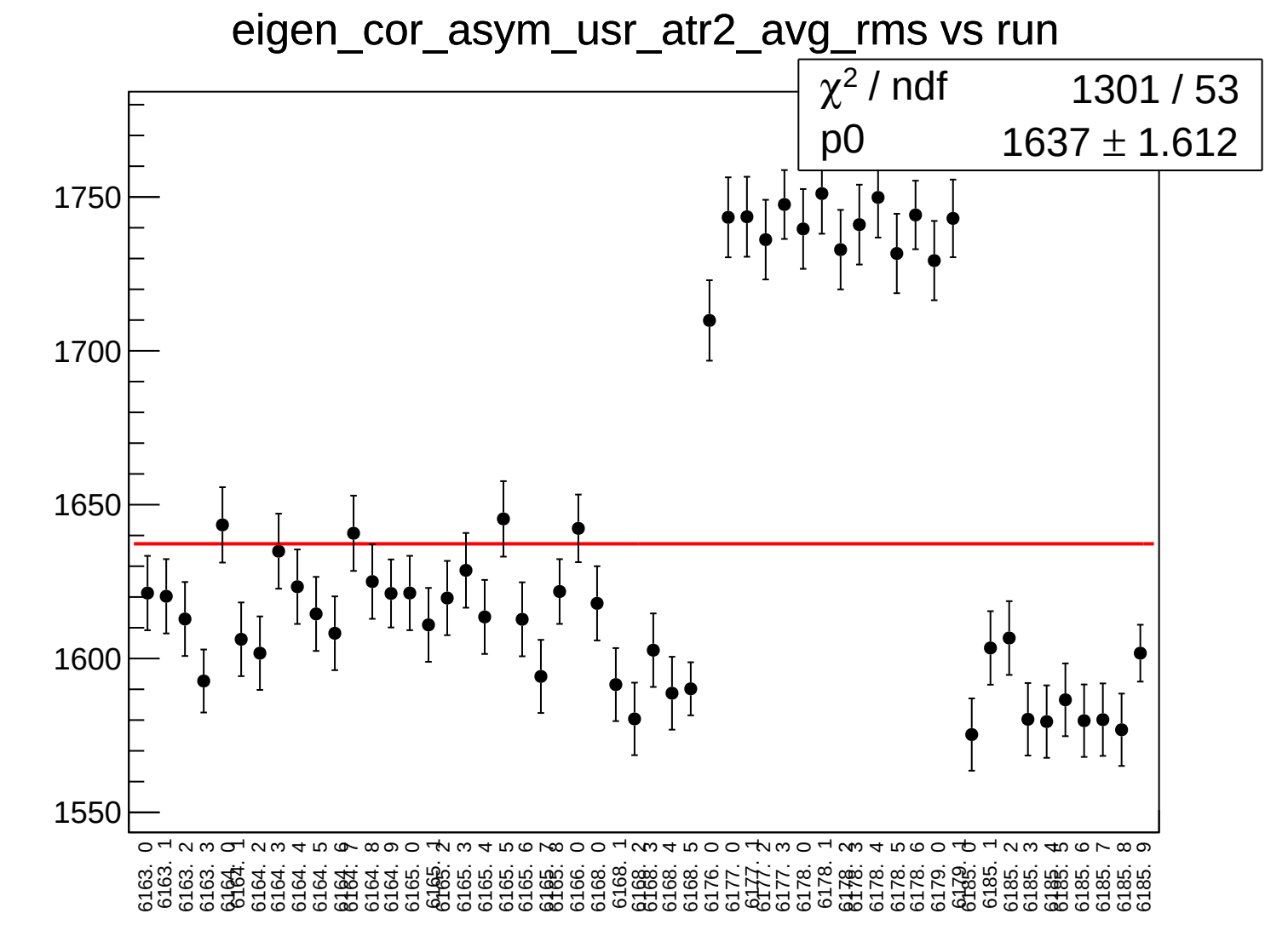
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


eigen_cor_asym_usr_atr2_avg_mean vs run
χ² / ndf 67.9 / 53
p0 2994 ± 2280
pull
Entries 54
Mean −1673
Std Dev 0


pull1D
Entries 54
Mean −0.002495
Std Dev 1.121


eigen_cor_asym_usr_atr2_avg_rms vs run
χ² / ndf 1301 / 53
p0 1637 ± 1.612
1750
1700
1650
1600
1550
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
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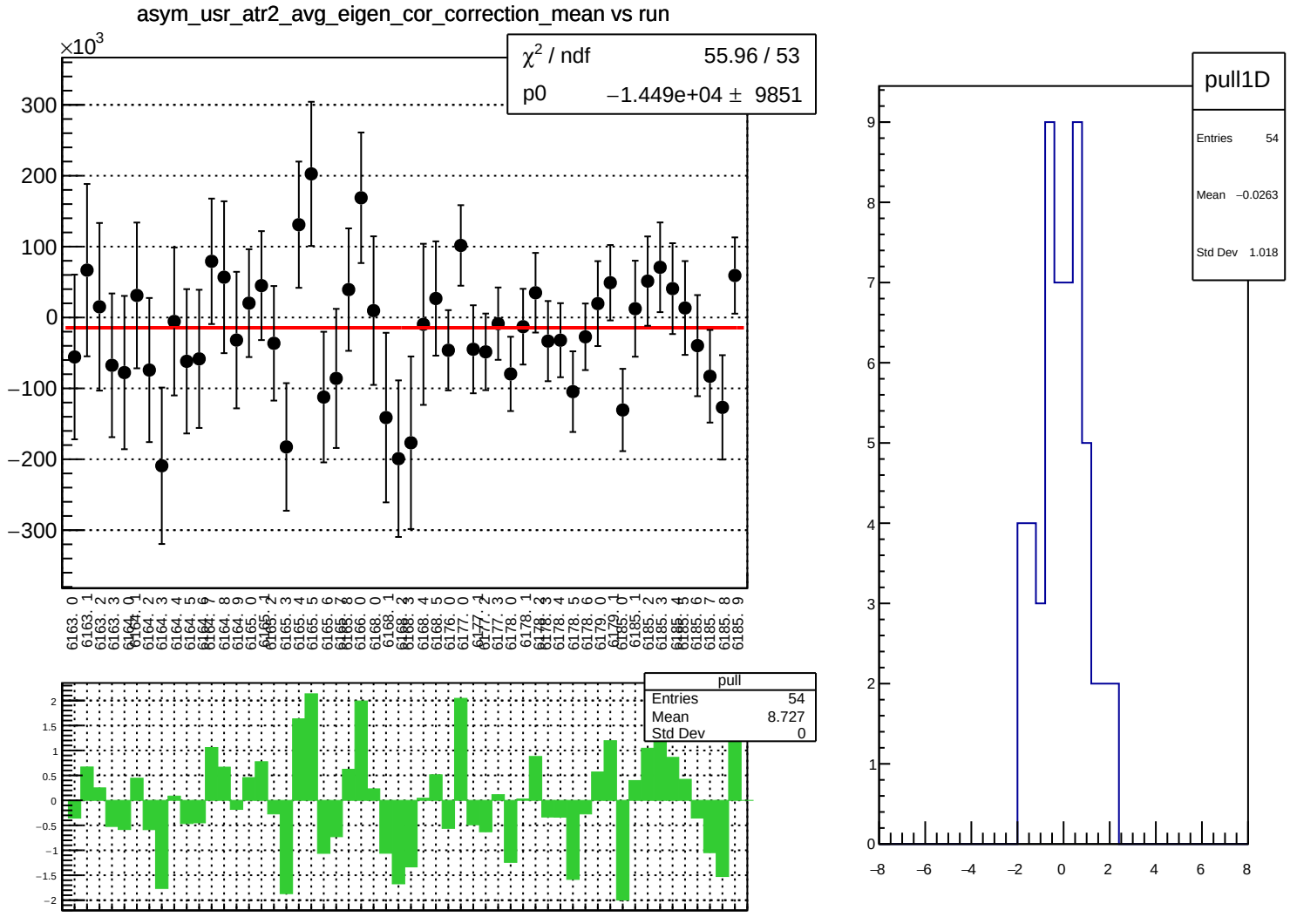
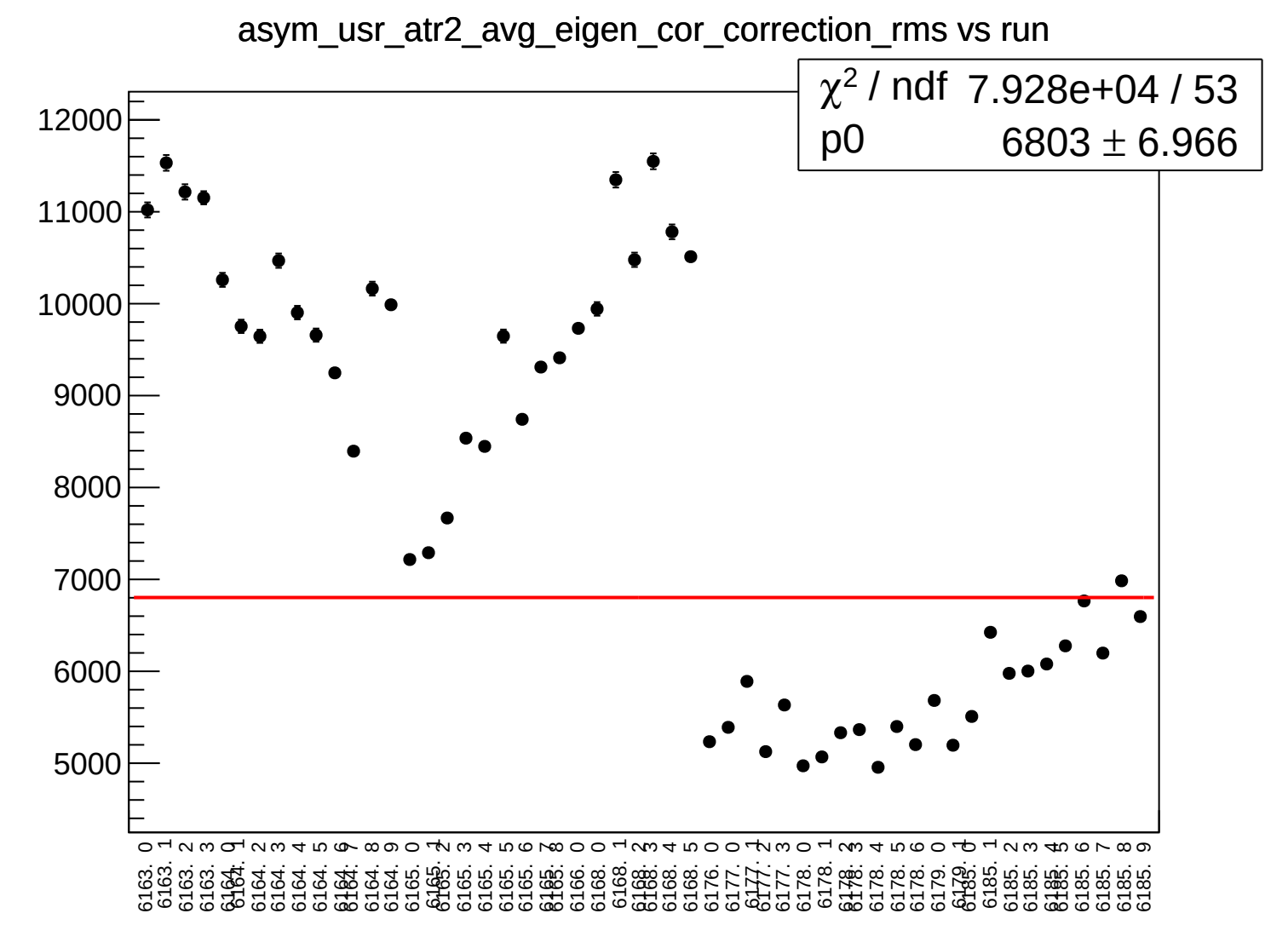
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


asym_usr_atr2_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 55.96 / 53
p0 −1.449e+04 ± 9851
pull
Entries 54
Mean 8.727
Std Dev 0
pull1D
Entries 54
Mean −0.0263
Std Dev 1.018


asym_usr_atr2_avg_eigen_cor_correction_rms vs run
χ² / ndf 7.928e+04 / 53
p0 6803 ± 6.966
12000
11000
10000
9000
8000
7000
6000
5000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
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6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
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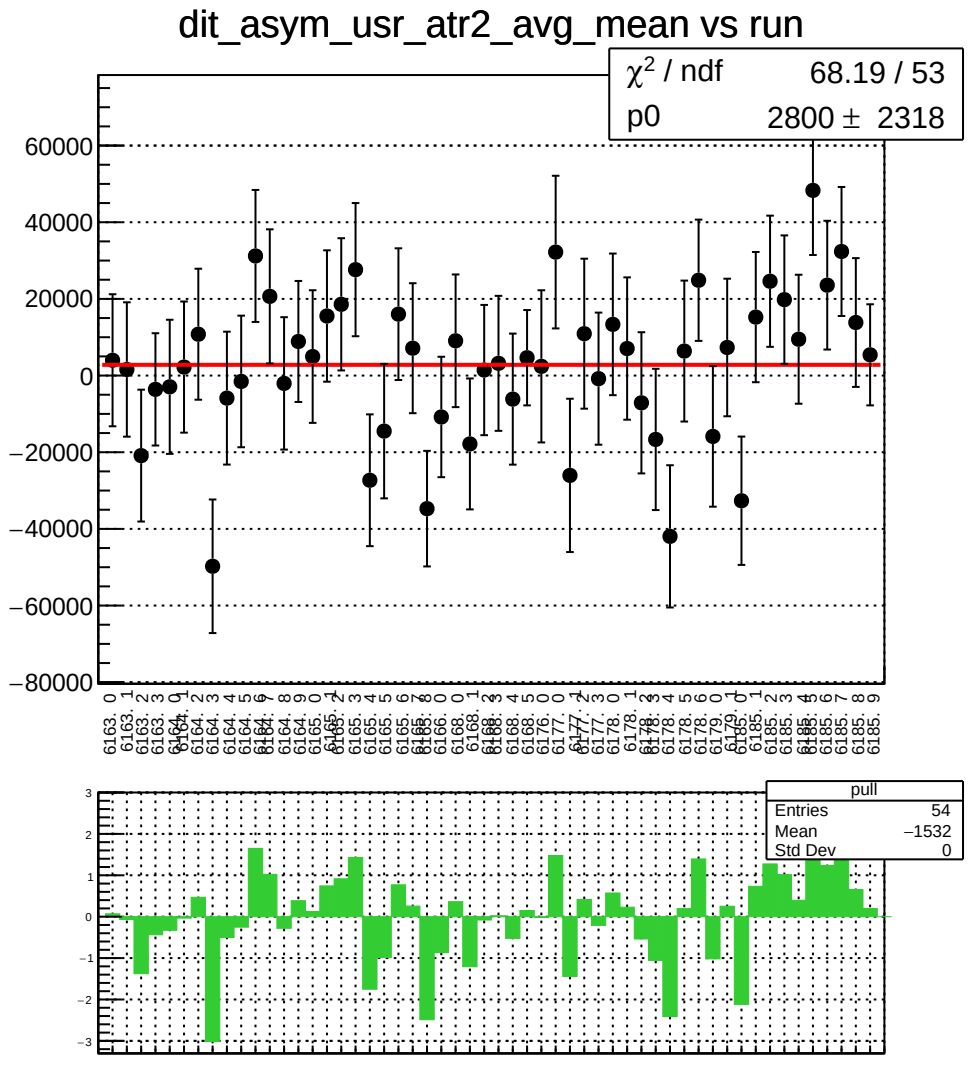
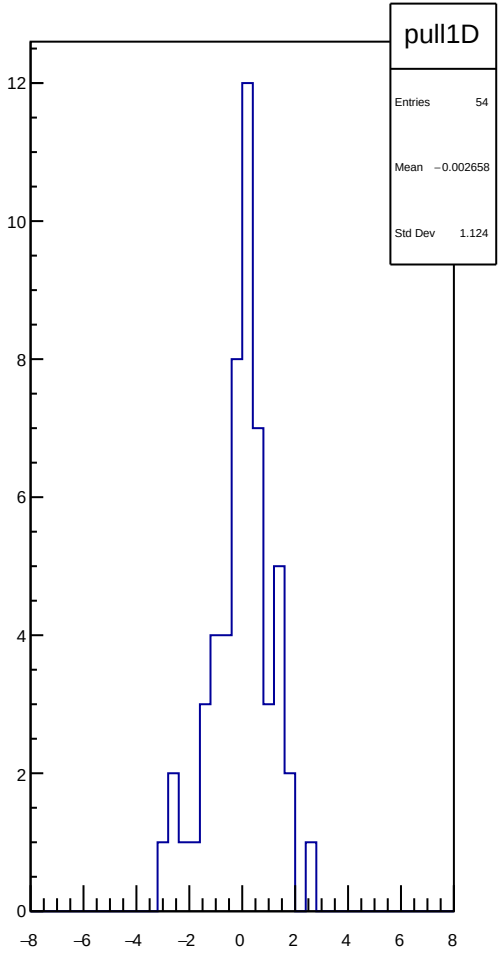
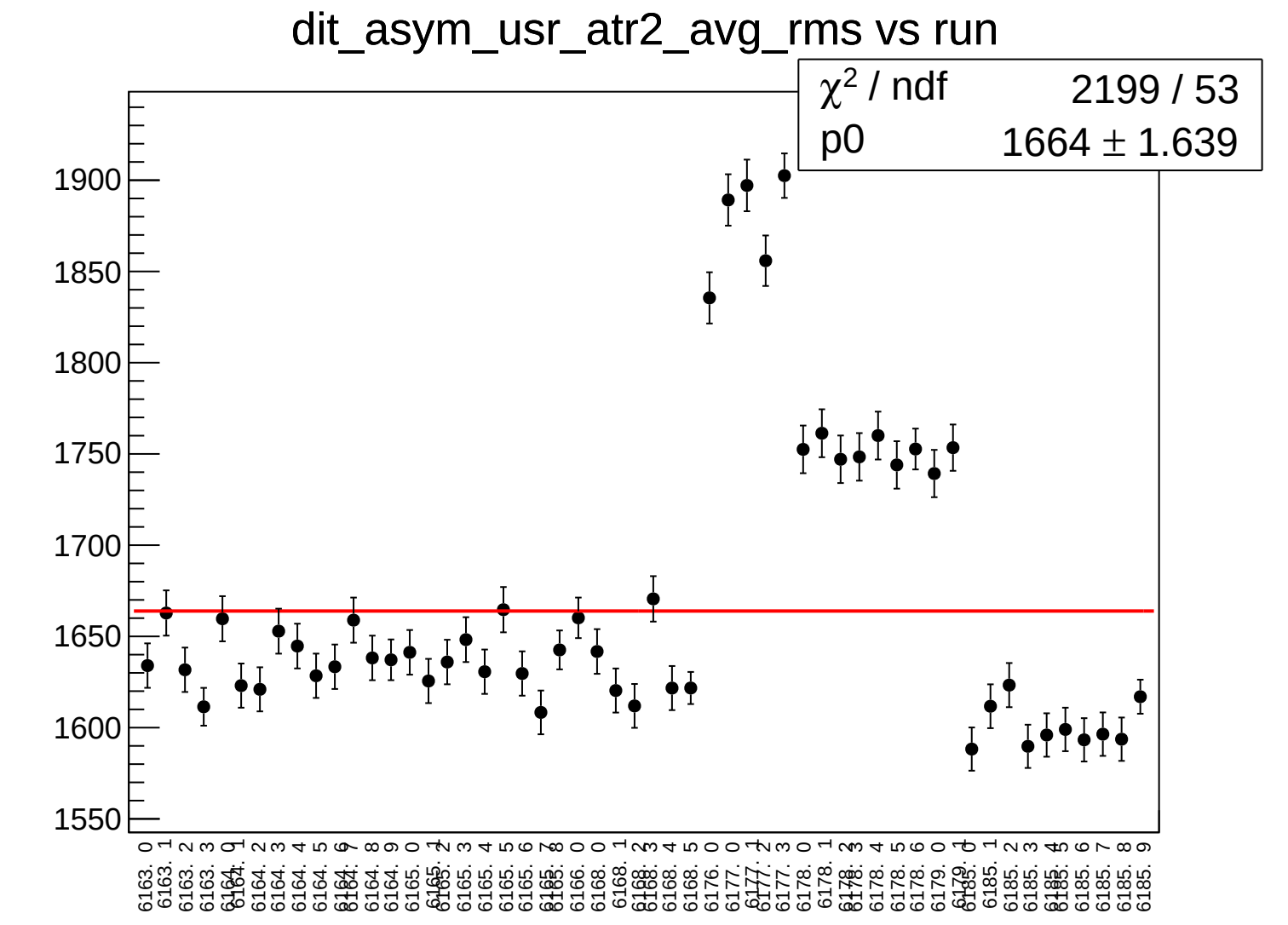
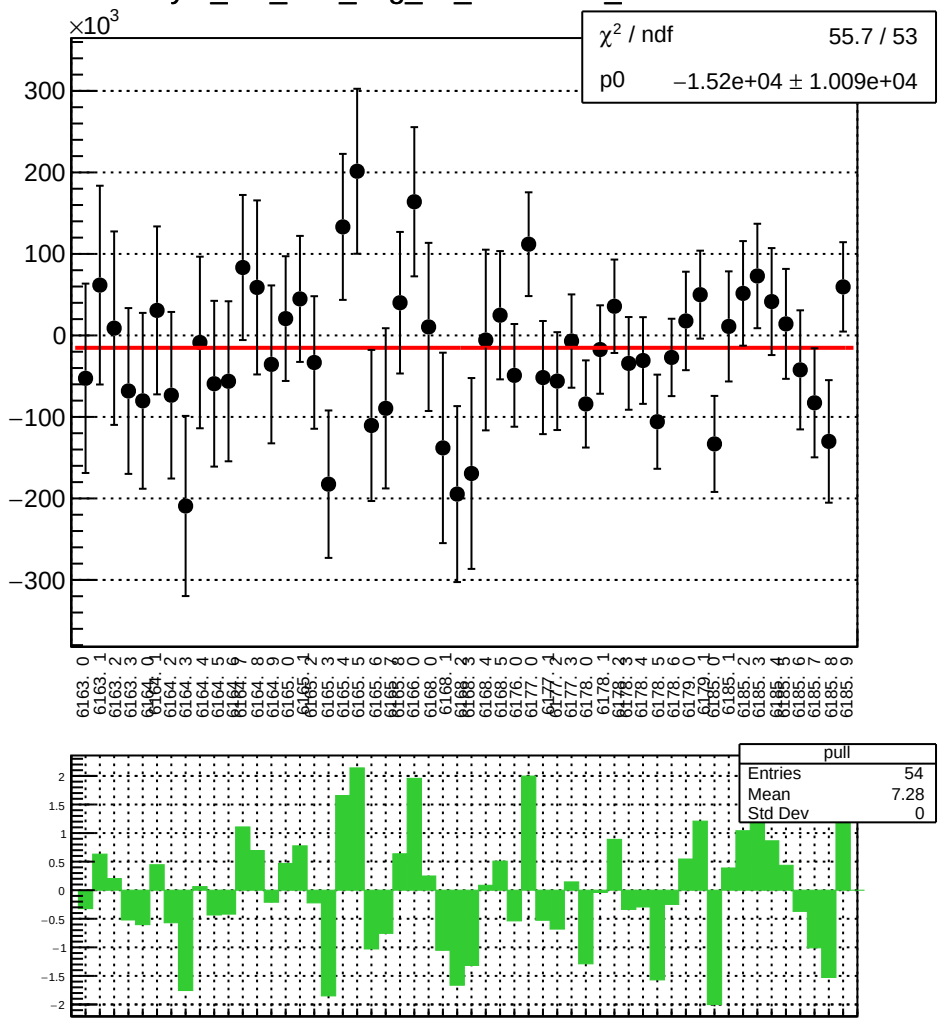
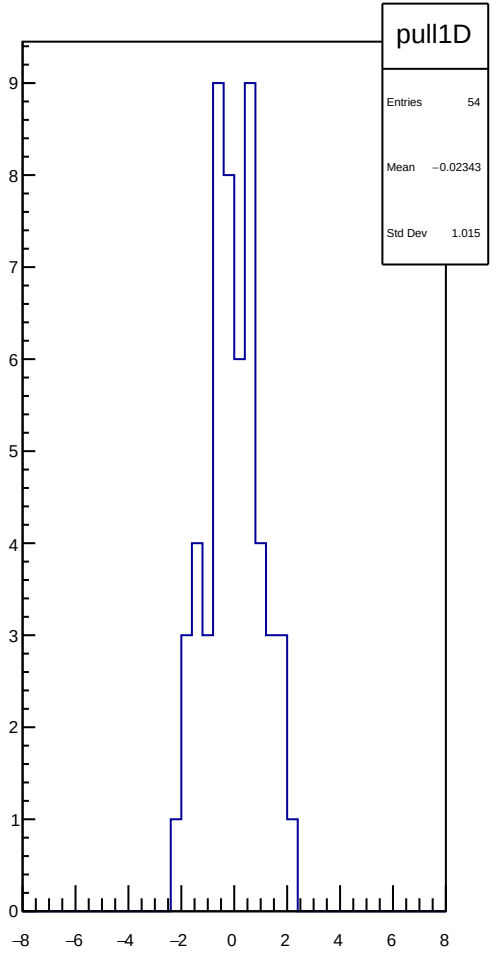
6185. 6
6185. 7
6185. 8
6185. 9

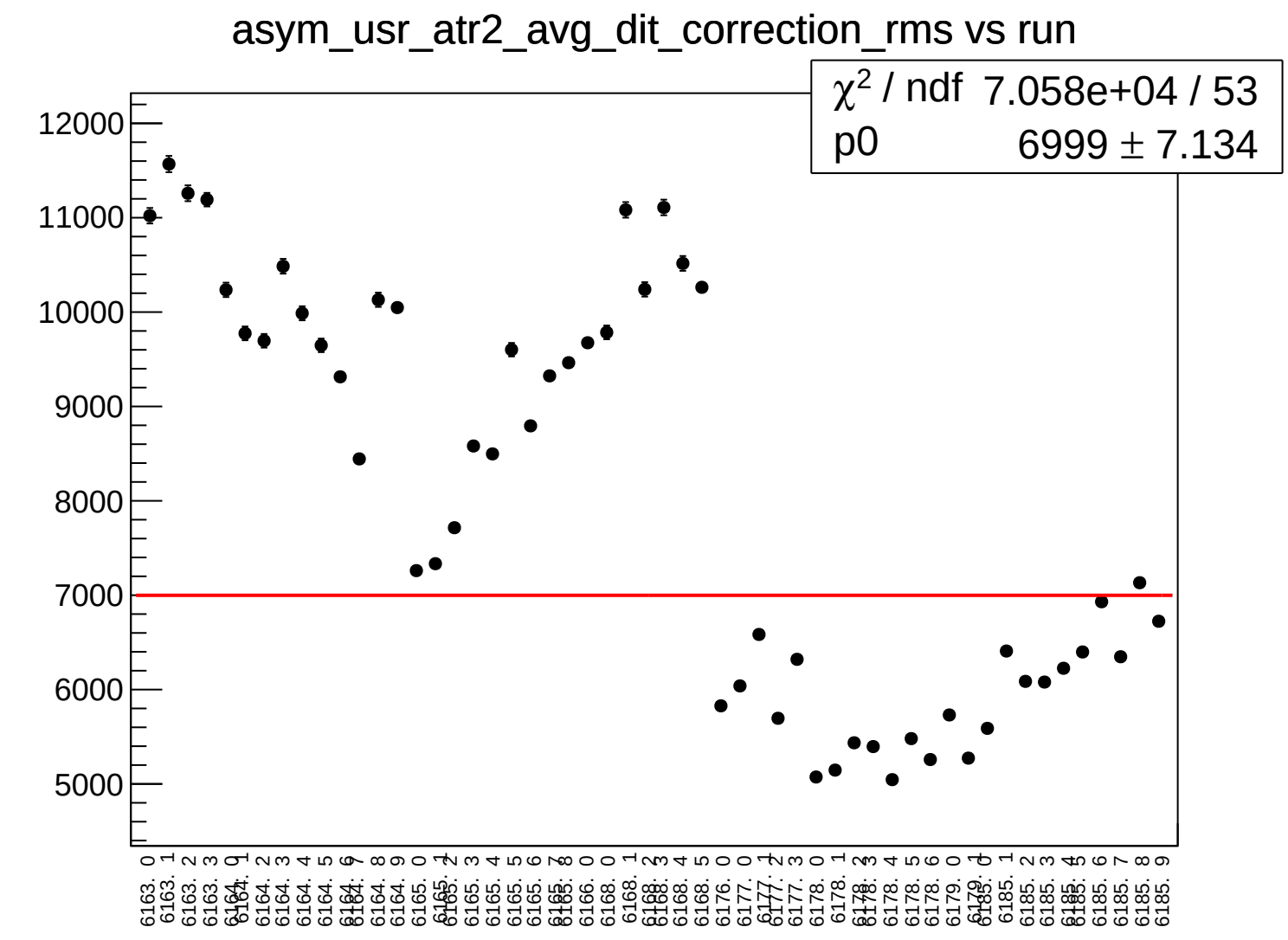

dit_asym_usr_atr2_avg_mean vs run
χ² / ndf 68.19 / 53
p0 2800 ± 2318
pull
Entries 54
Mean −1532
Std Dev 0

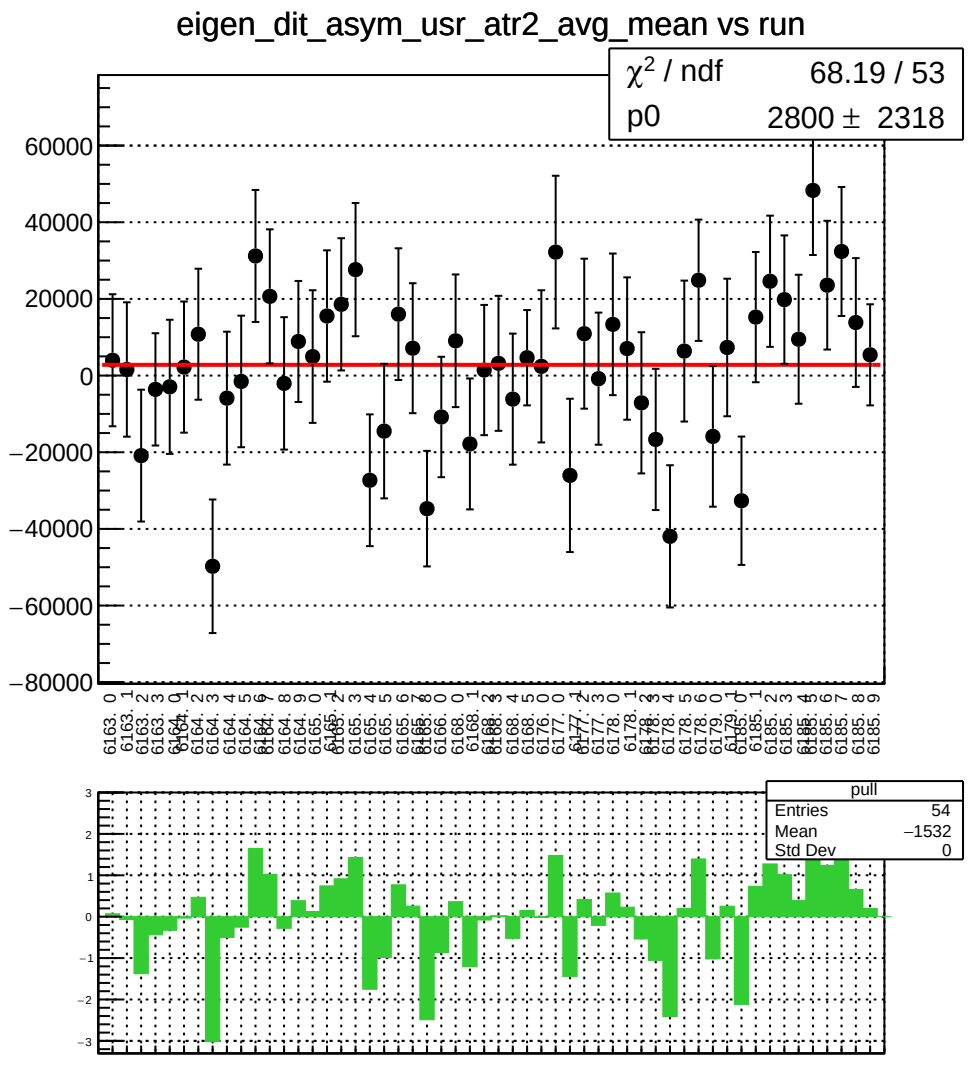

pull1D
Entries 54
Mean −0.002658
Std Dev 1.124

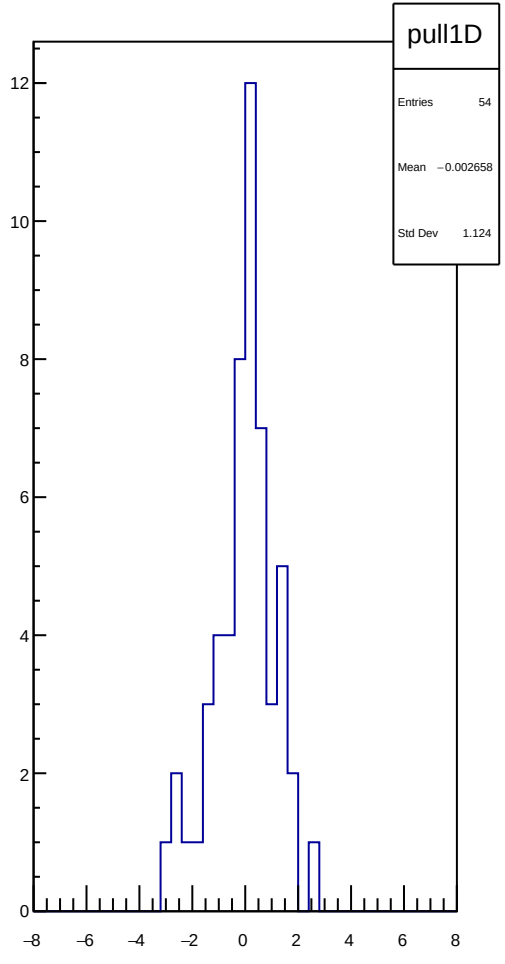

dit_asym_usr_atr2_avg_rms vs run
χ² / ndf 2199 / 53
p0 1664 ± 1.639
1900
1850
1800
1750
1700
1650
1600
1550
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

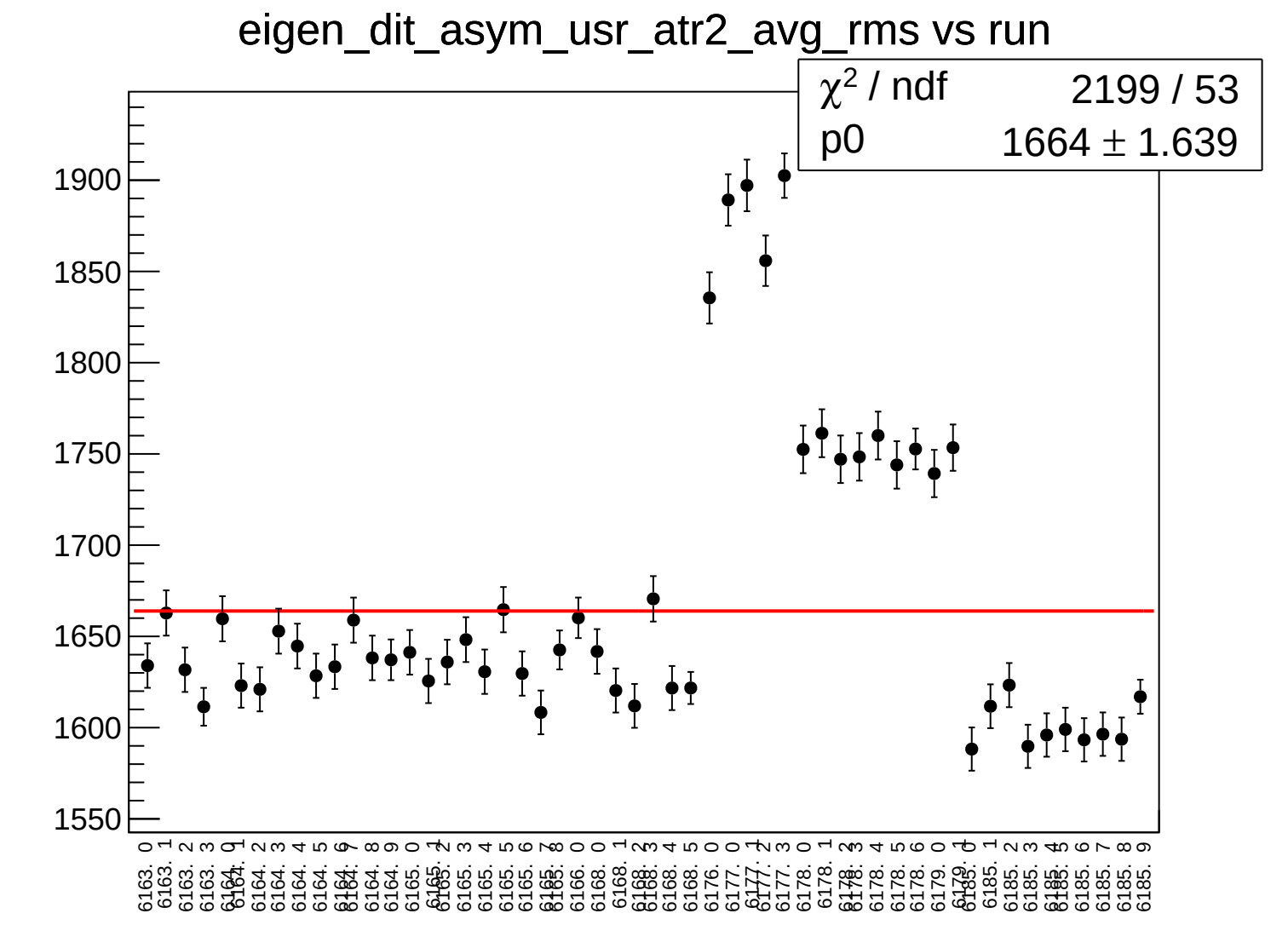

asym_usr_atr2_avg_dit_correction_mean vs run
×10^3
χ² / ndf 55.7 / 53
p0 −1.52e+04 ± 1.009e+04
300
200
100
0
−100
−200
−300
pull
Entries 54
Mean 7.28
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 54
Mean −0.02343
Std Dev 1.015
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_usr_atr2_avg_dit_correction_rms vs run
χ² / ndf 7.058e+04 / 53
p0 6999 ± 7.134
12000
11000
10000
9000
8000
7000
6000
5000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


eigen_dit_asym_usr_atr2_avg_mean vs run
χ² / ndf 68.19 / 53
p0 2800 ± 2318
pull
Entries 54
Mean −1532
Std Dev 0


pull1D
Entries 54
Mean −0.002658
Std Dev 1.124


eigen_dit_asym_usr_atr2_avg_rms vs run
χ² / ndf 2199 / 53
p0 1664 ± 1.639
1900
1850
1800
1750
1700
1650
1600
1550
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
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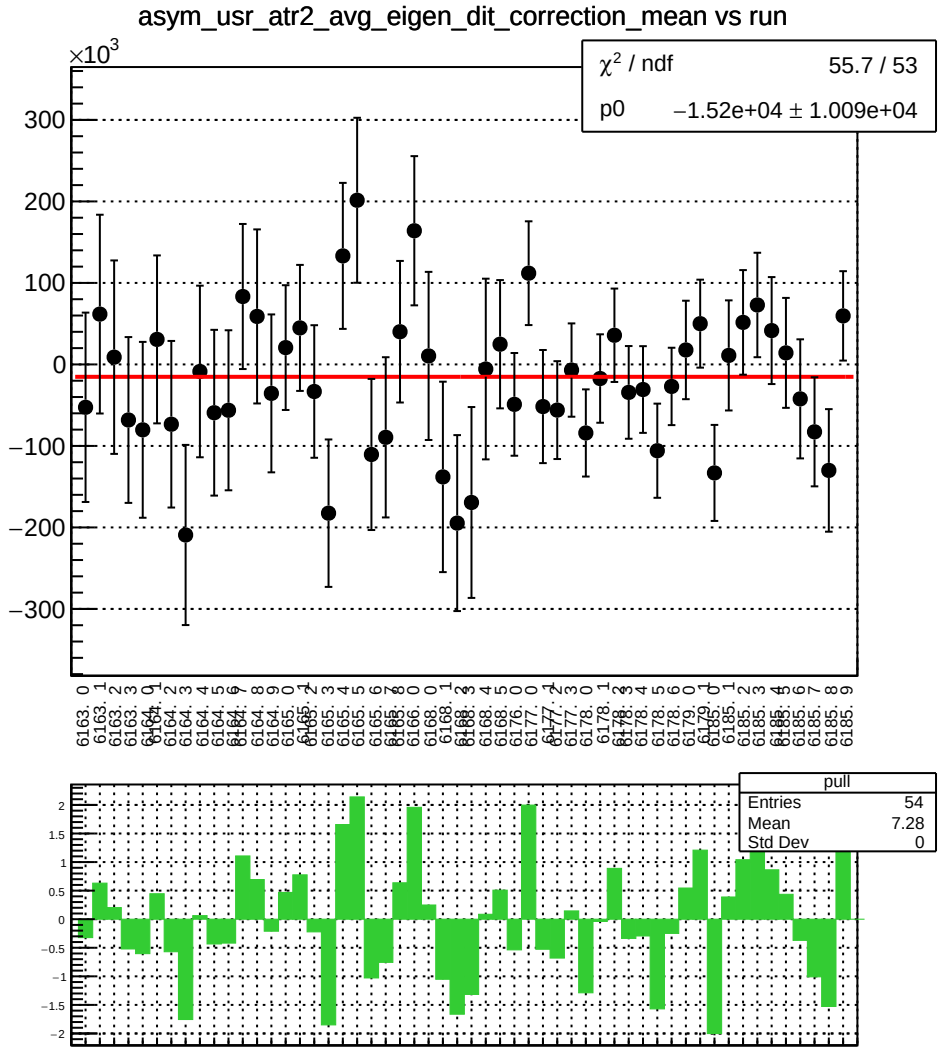
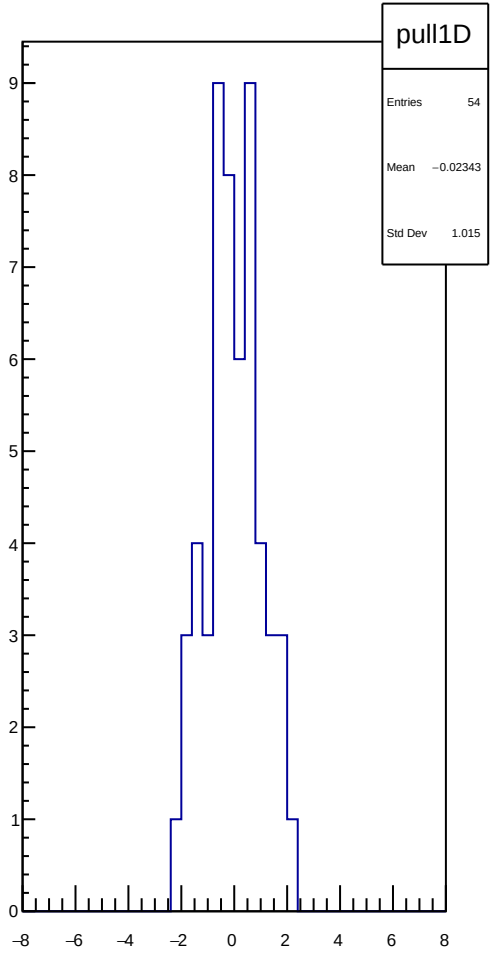
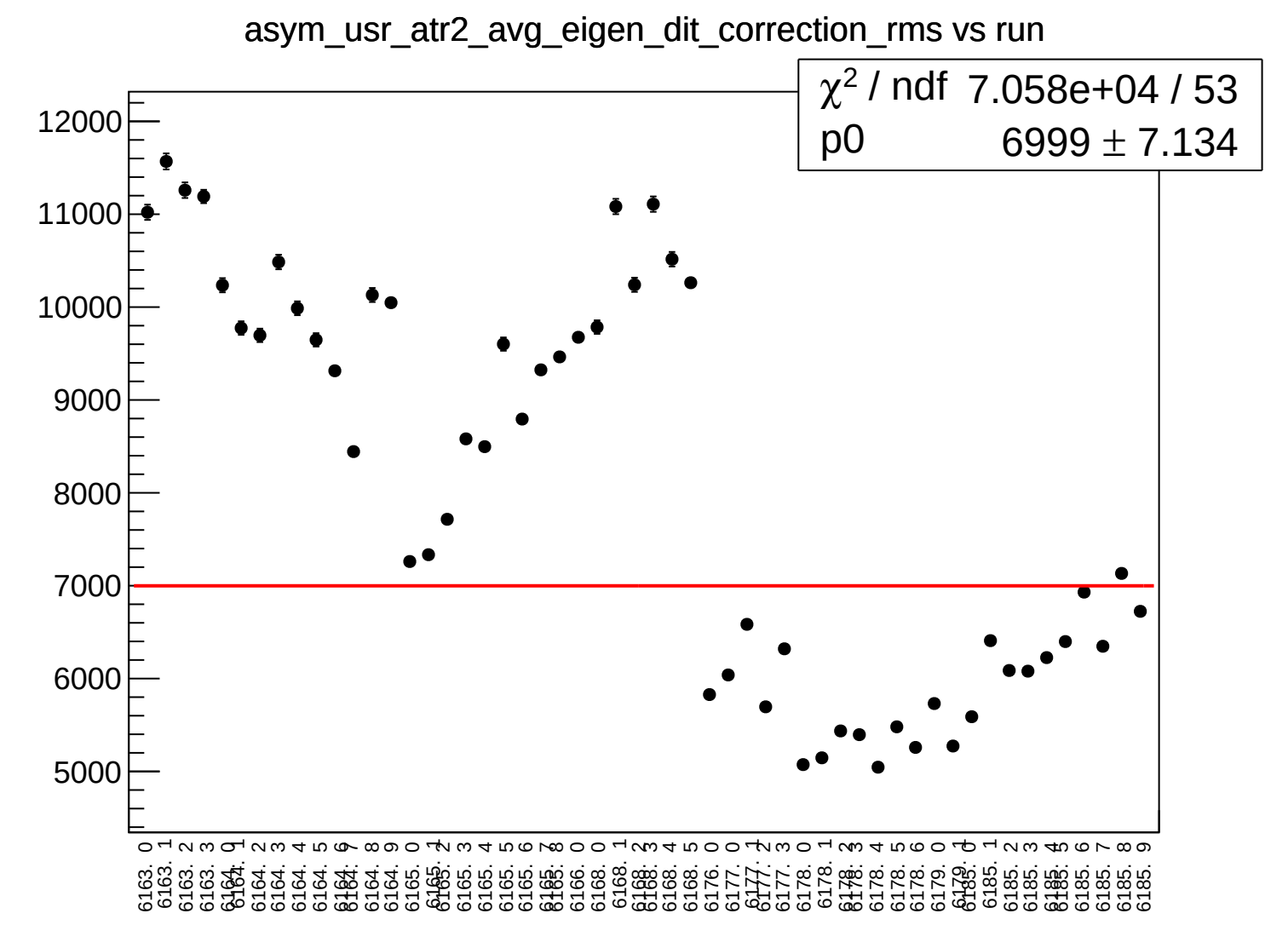
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


asym_usr_atr2_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 55.7 / 53
p0 −1.52e+04 ± 1.009e+04
300
200
100
0
−100
−200
−300
pull
Entries 54
Mean 7.28
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 54
Mean −0.02343
Std Dev 1.015
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_usr_atr2_avg_eigen_dit_correction_rms vs run
χ² / ndf 7.058e+04 / 53
p0 6999 ± 7.134
12000
11000
10000
9000
8000
7000
6000
5000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
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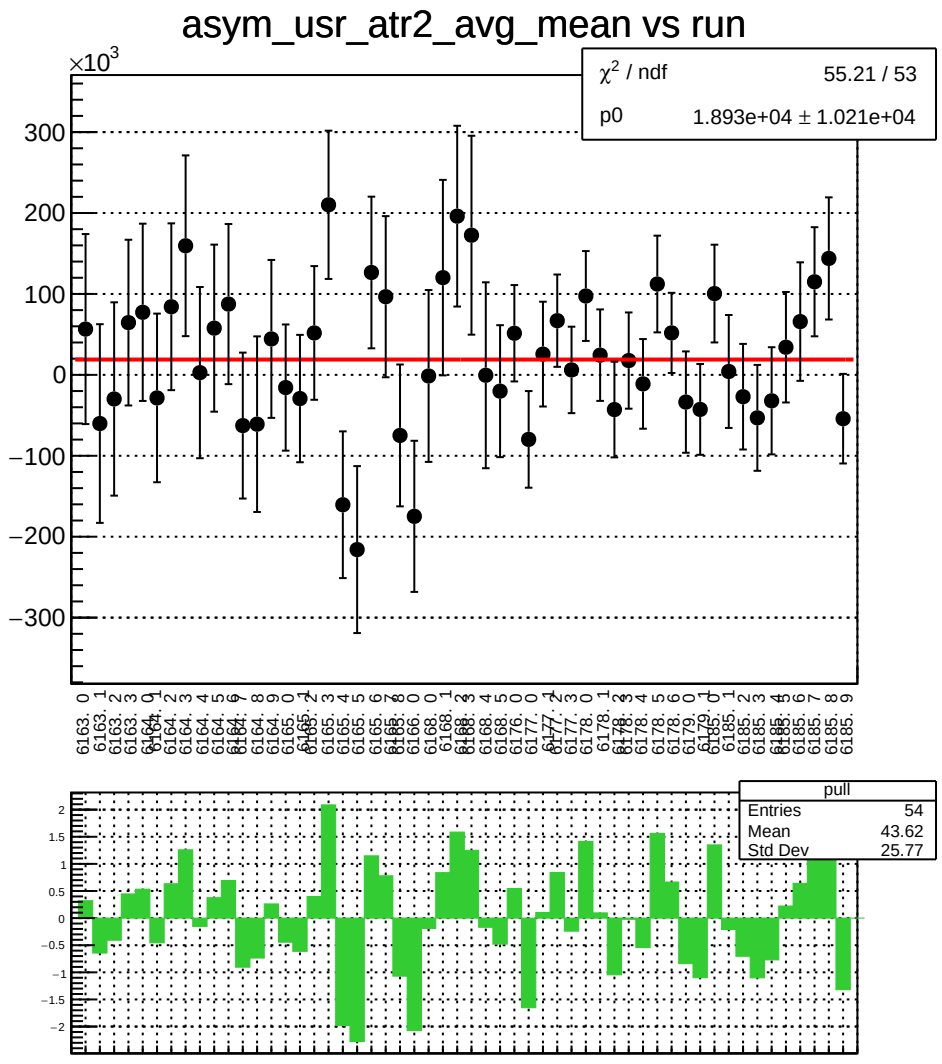
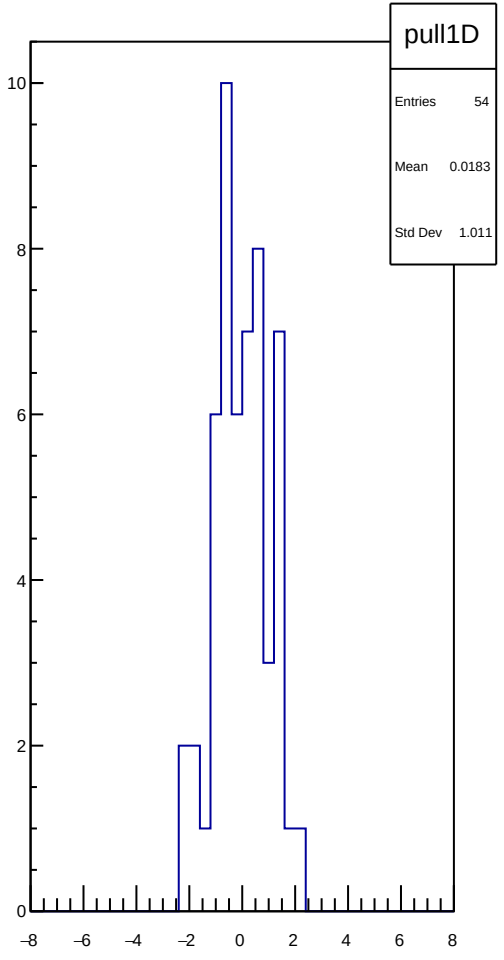
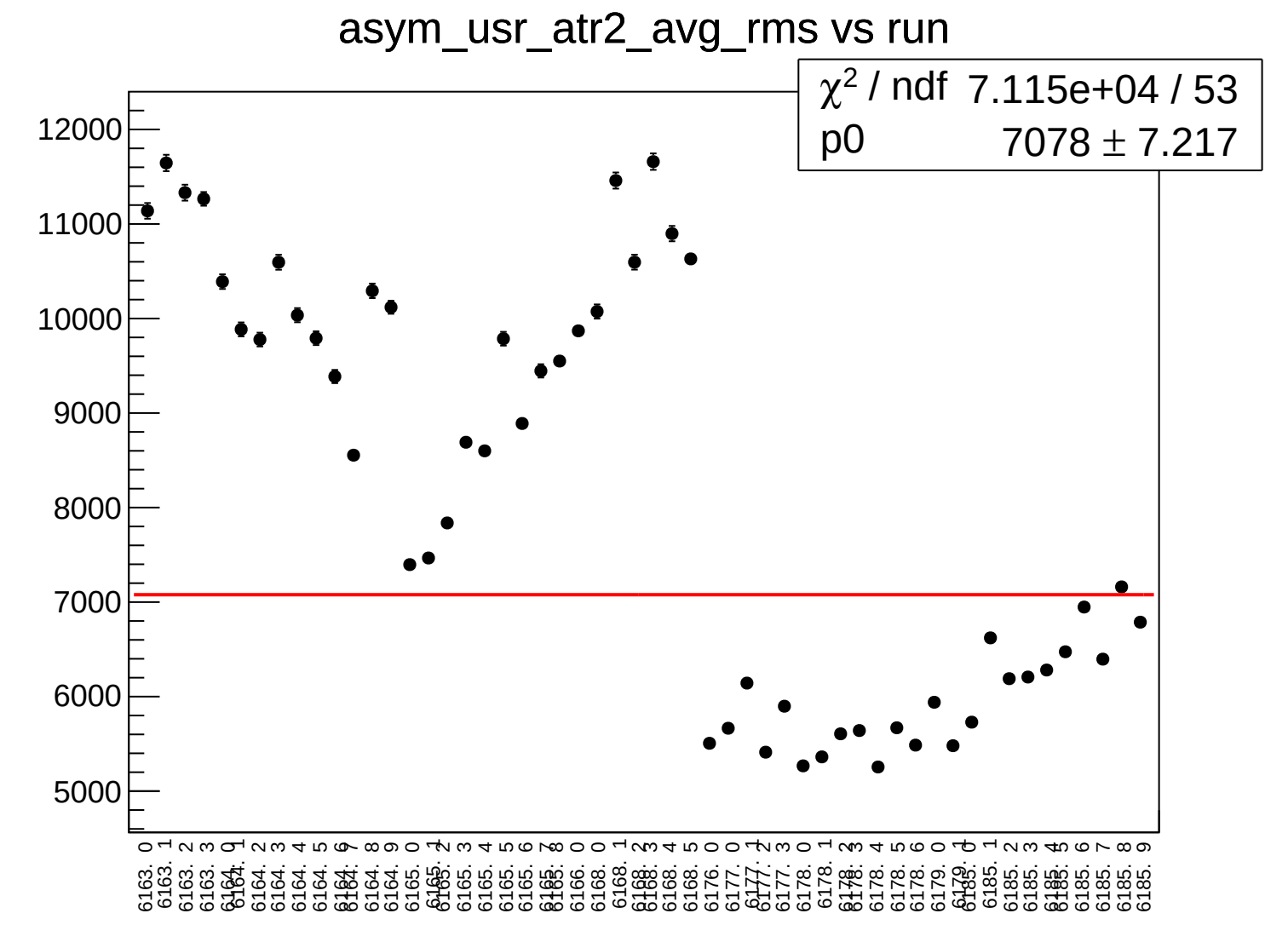
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


asym_usr_atr2_avg_mean vs run
×10^3
χ² / ndf 55.21 / 53
p0 1.893e+04 ± 1.021e+04
300
200
100
0
−100
−200
−300
pull
Entries 54
Mean 43.62
Std Dev 25.77
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 54
Mean 0.0183
Std Dev 1.011
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_usr_atr2_avg_rms vs run
χ² / ndf 7.115e+04 / 53
p0 7078 ± 7.217
12000
11000
10000
9000
8000
7000
6000
5000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
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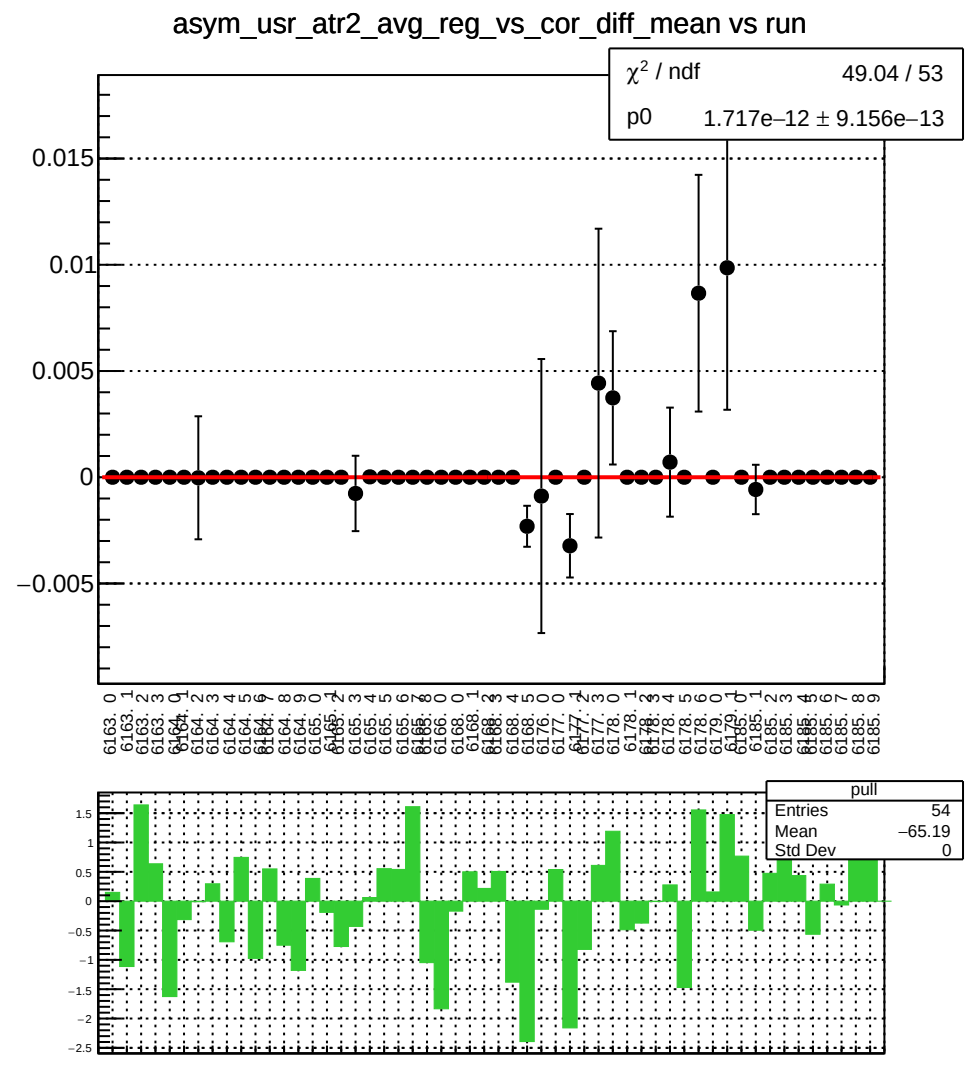
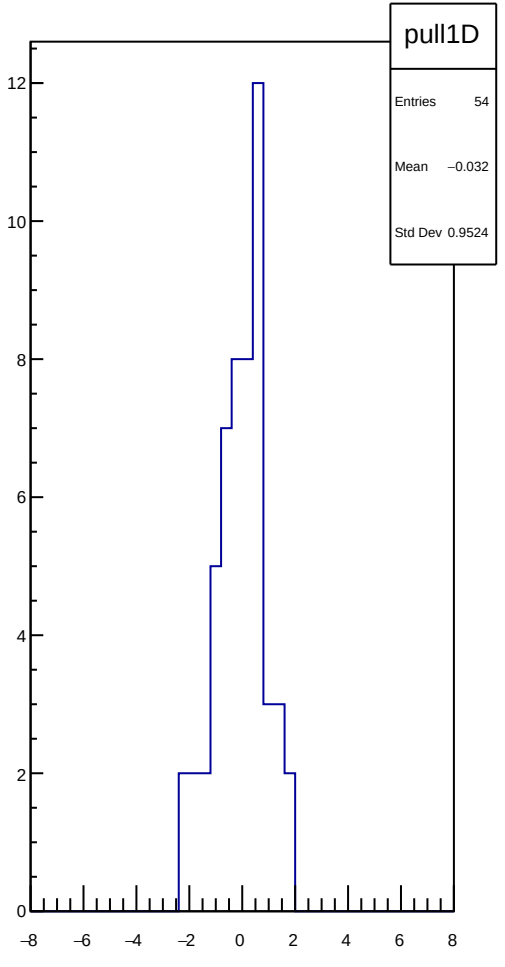
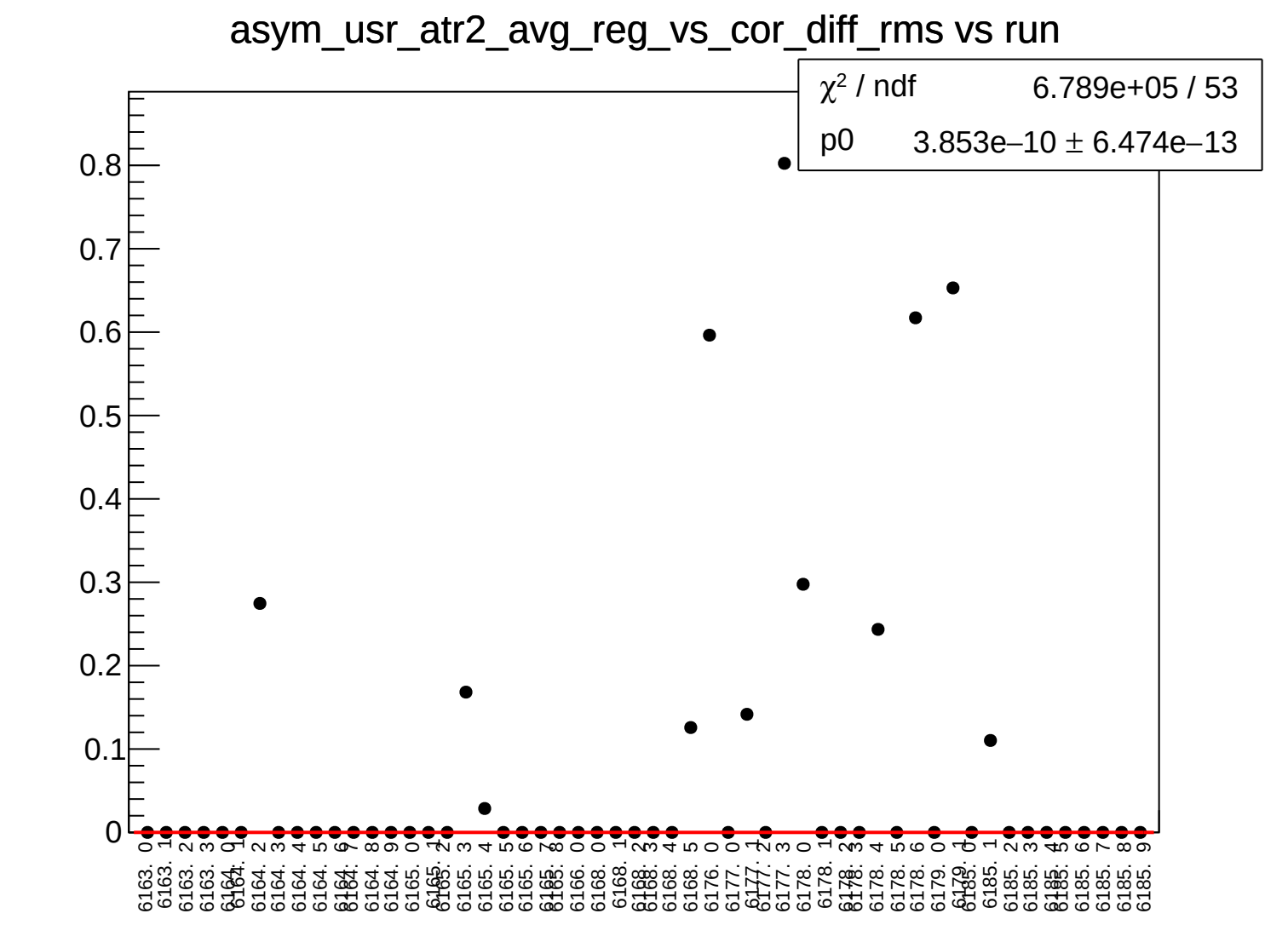
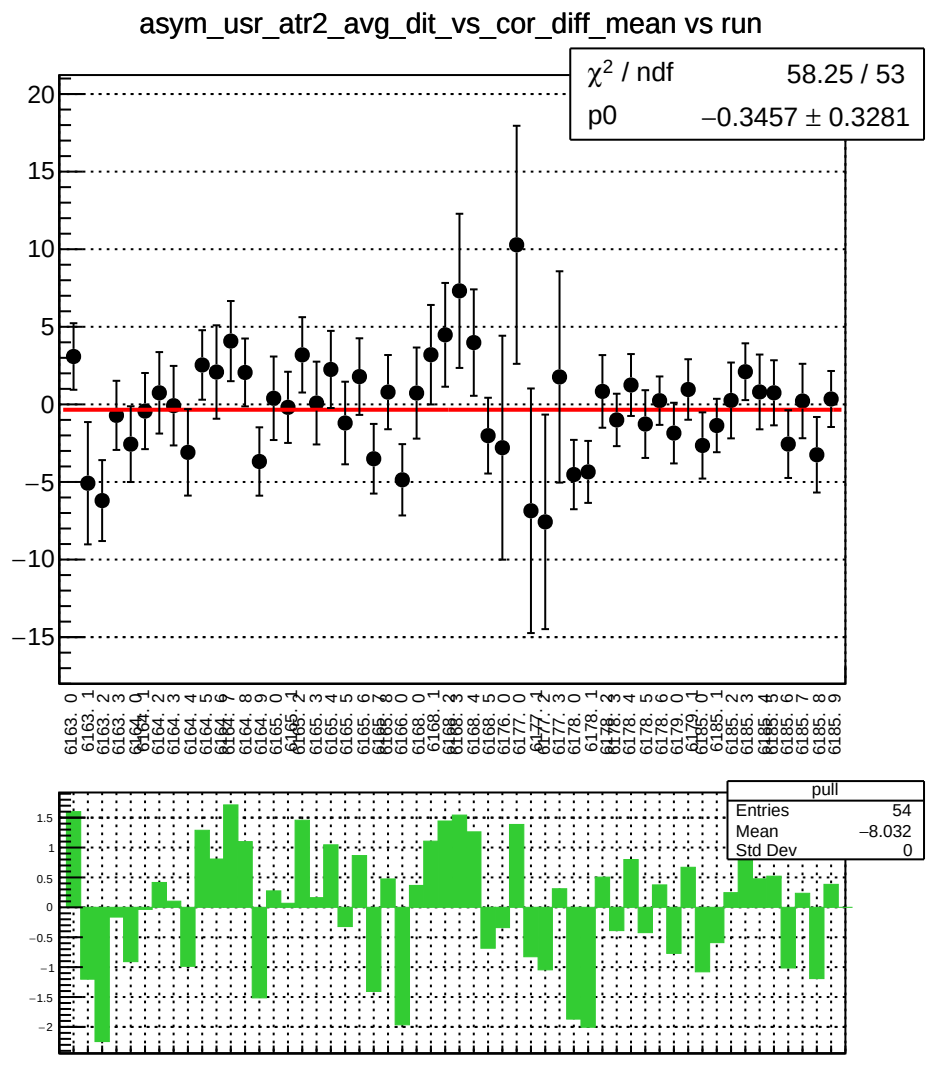
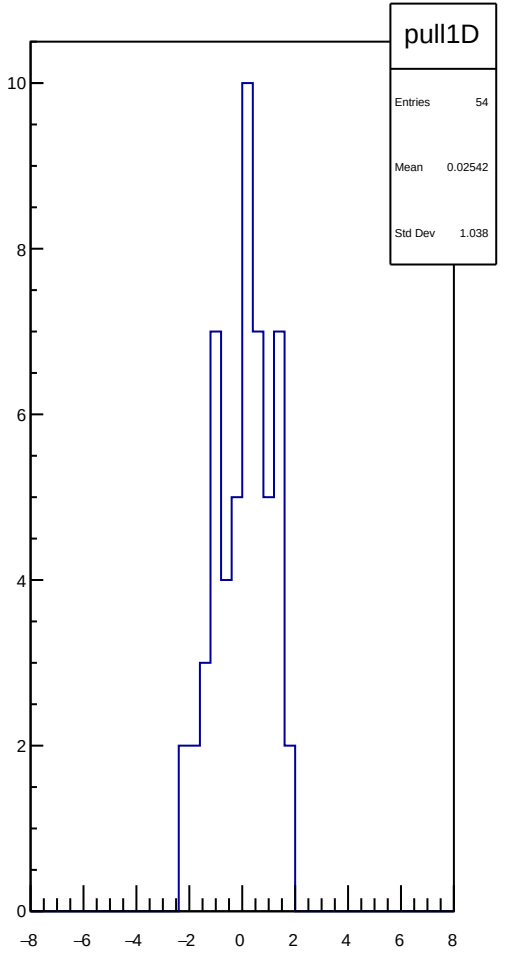
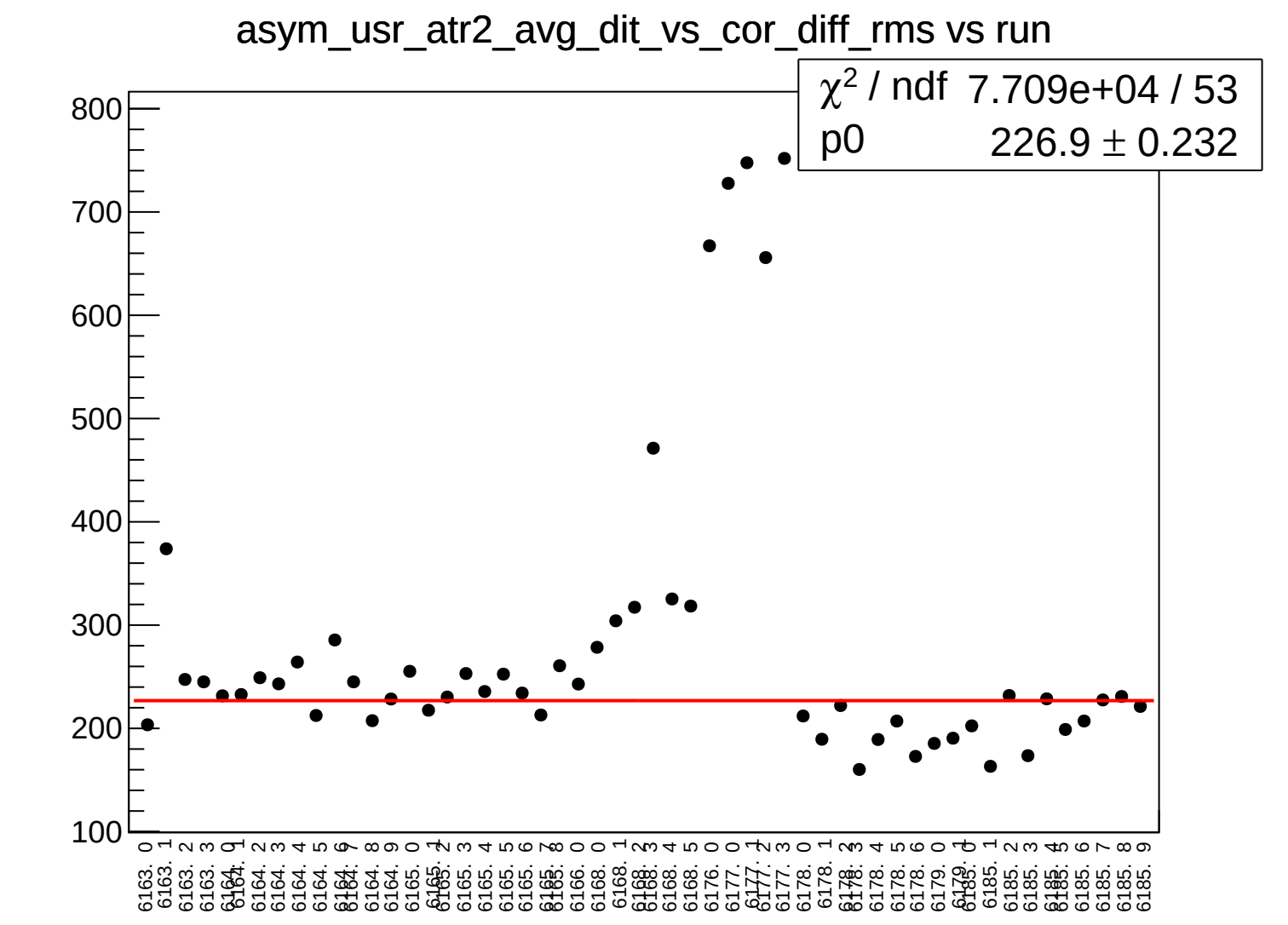

asym_usr_atr2_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 49.04 / 53
p0 1.717e−12 ± 9.156e−13
0.015
0.01
0.005
0
−0.005
pull
Entries 54
Mean −65.19
Std Dev 0

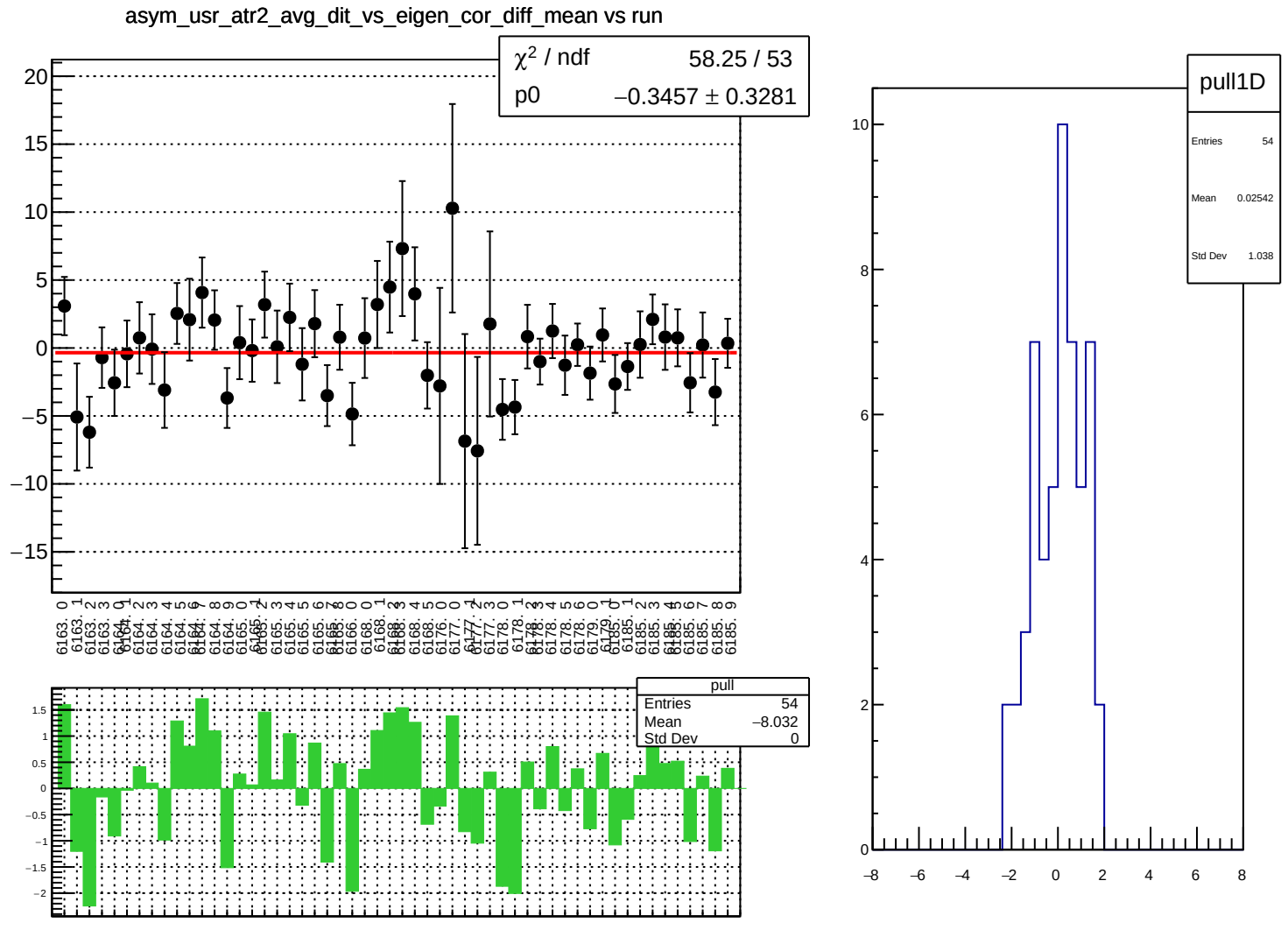

pull1D
Entries 54
Mean −0.032
Std Dev 0.9524

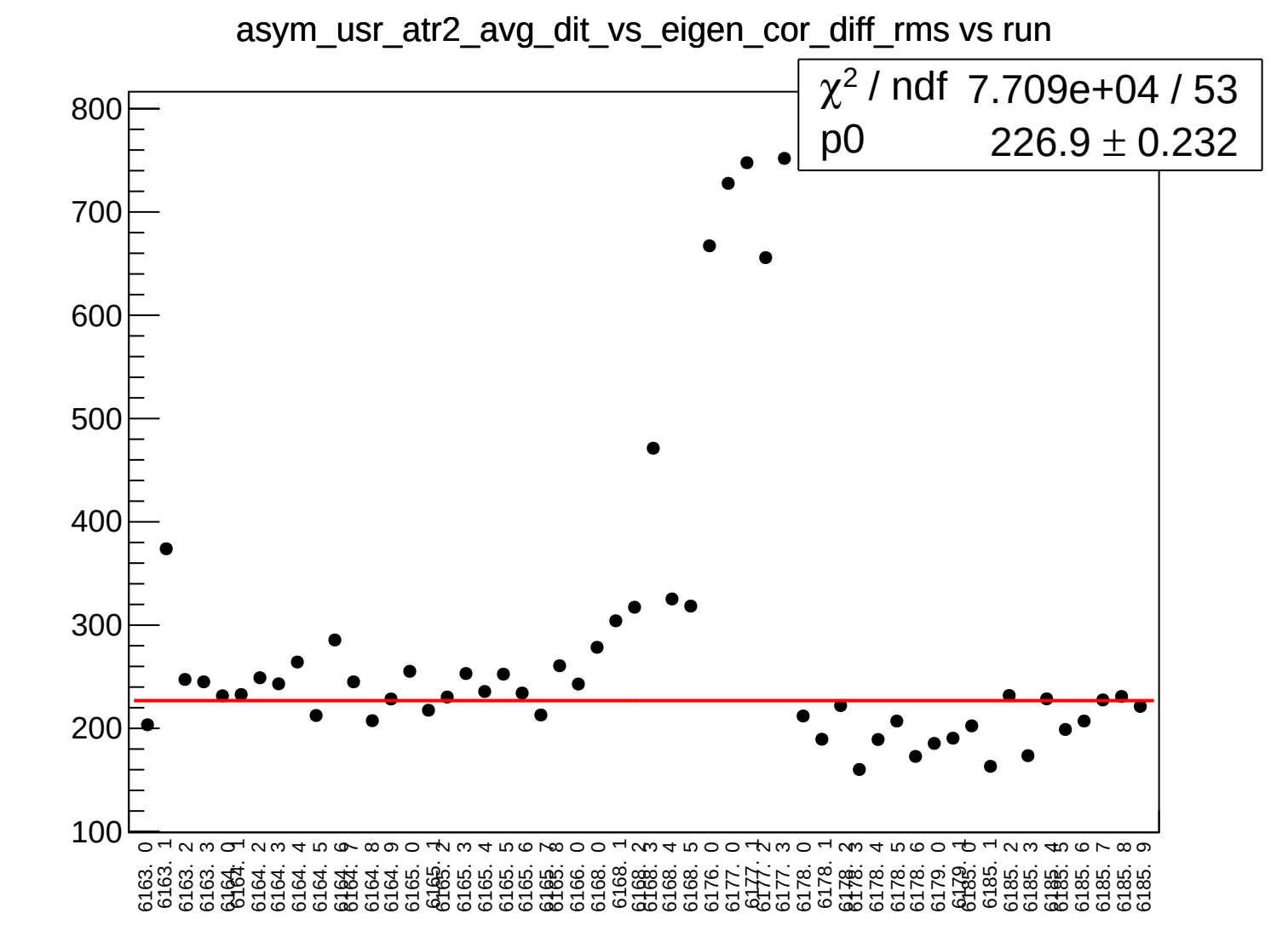

asym_usr_atr2_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.789e+05 / 53
p0 3.853e−10 ± 6.474e−13
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 2
6165. 3
6165. 4
6165. 5
6165. 6
6165. 7
6166. 0
6168. 0
6168. 1
6168. 3
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

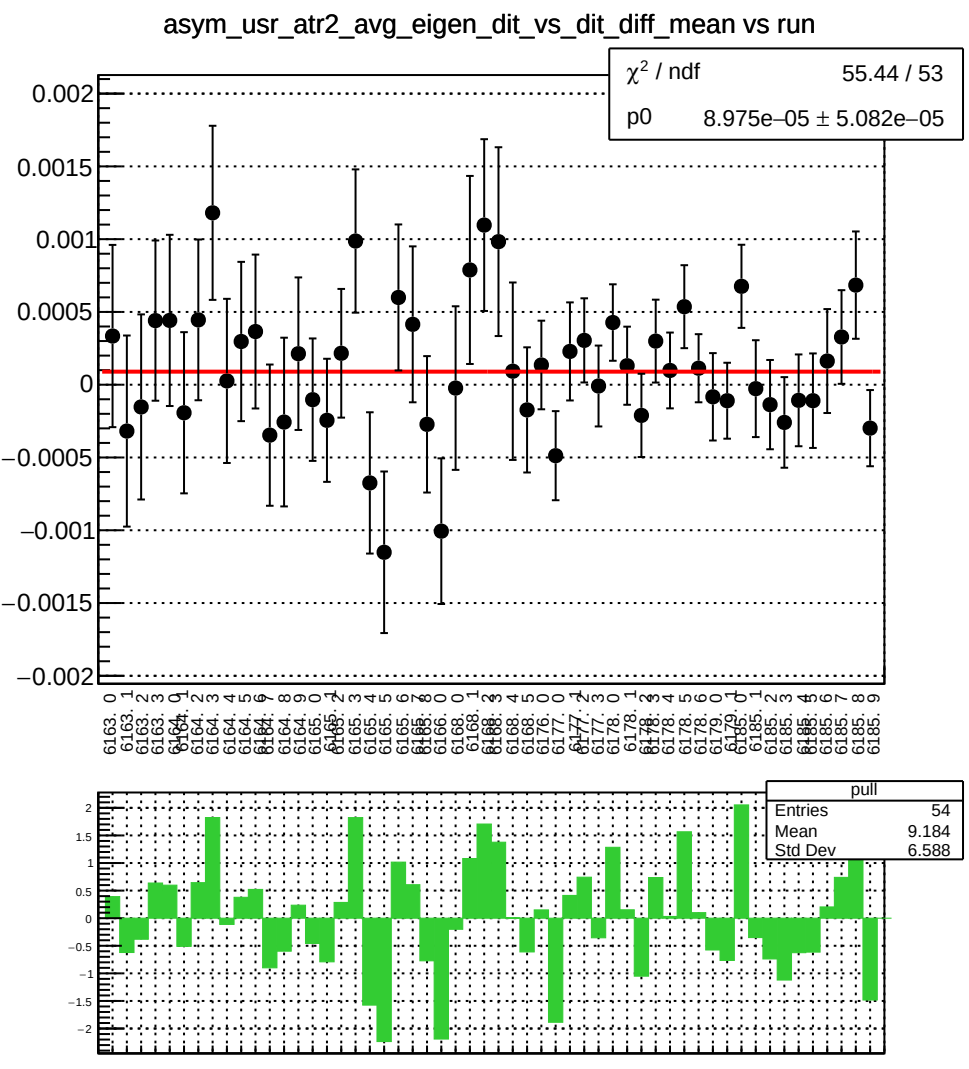

asym_usr_atr2_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 58.25 / 53
p0 −0.3457 ± 0.3281
pull
Entries 54
Mean −8.032
Std Dev 0

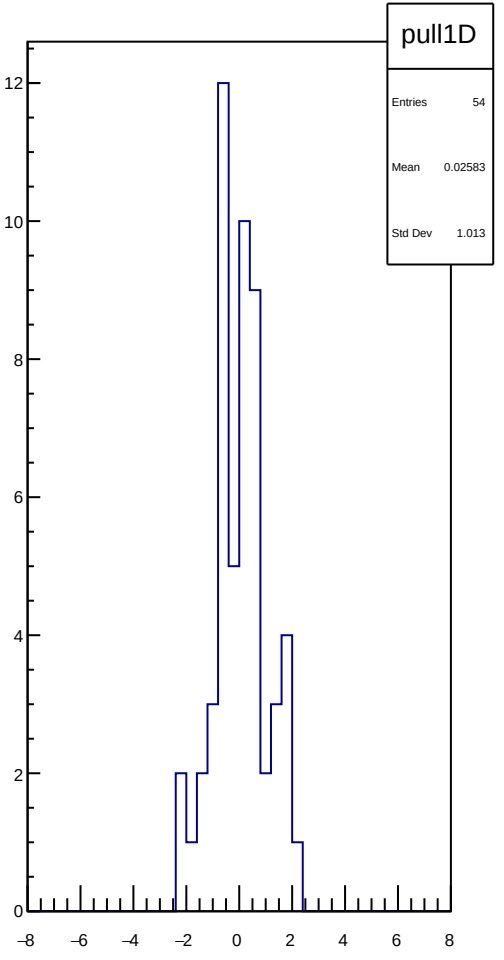

pull1D
Entries 54
Mean 0.02542
Std Dev 1.038

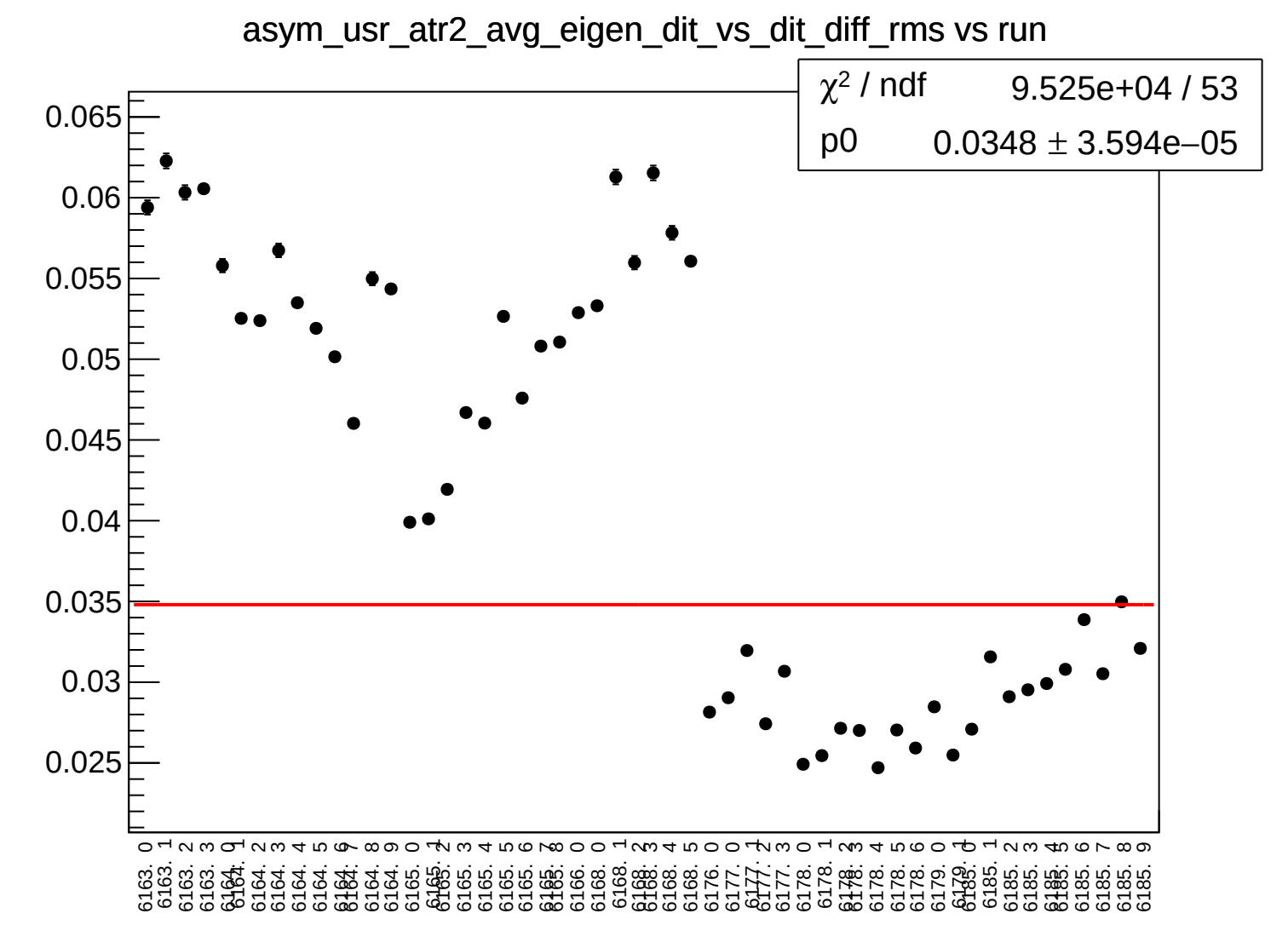

asym_usr_atr2_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 7.709e+04 / 53
p0 226.9 ± 0.232
800
700
600
500
400
300
200
100
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

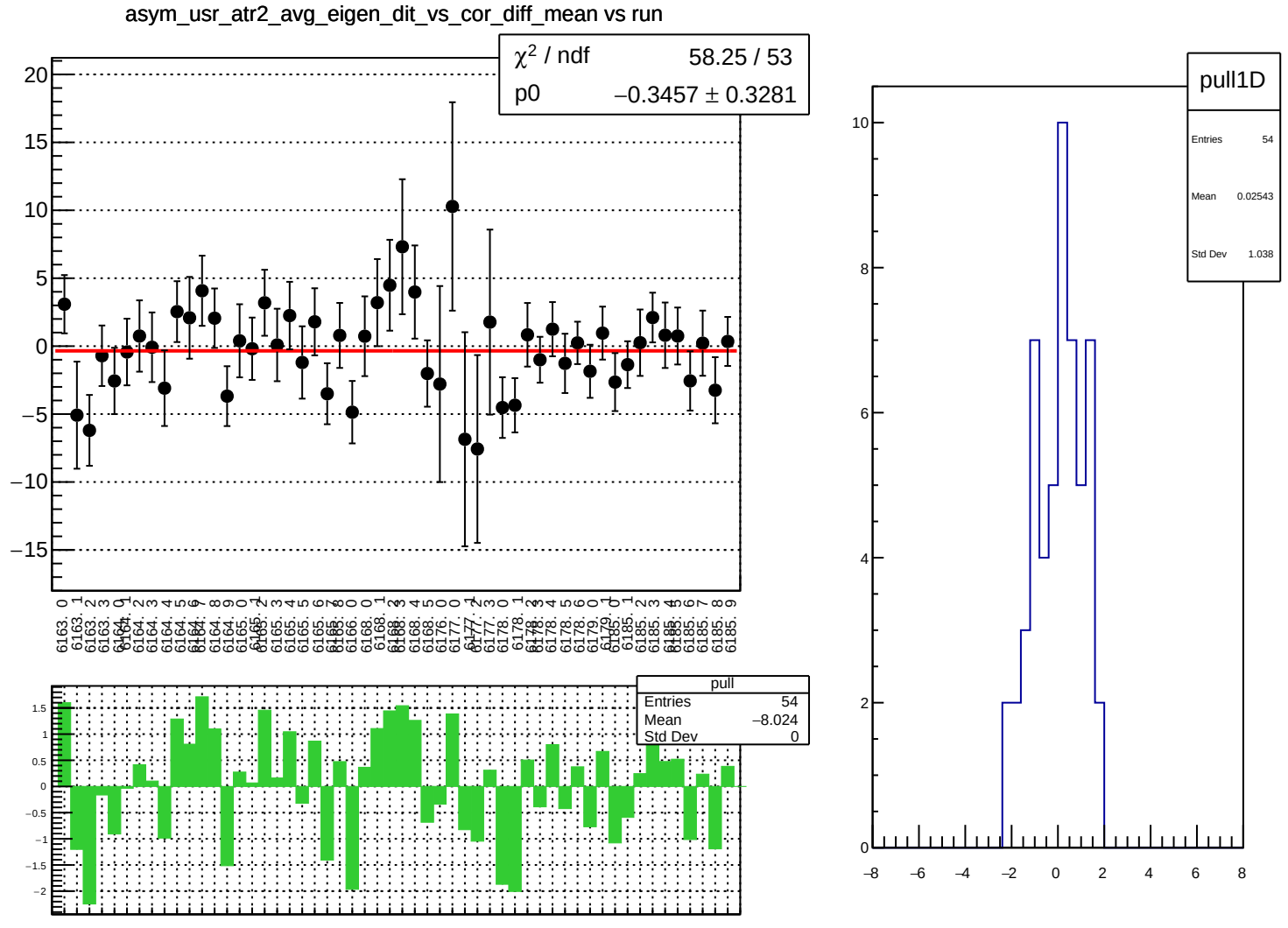

asym_usr_atr2_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 58.25 / 53
p0 −0.3457 ± 0.3281
pull
Entries 54
Mean −8.032
Std Dev 0
pull1D
Entries 54
Mean 0.02542
Std Dev 1.038

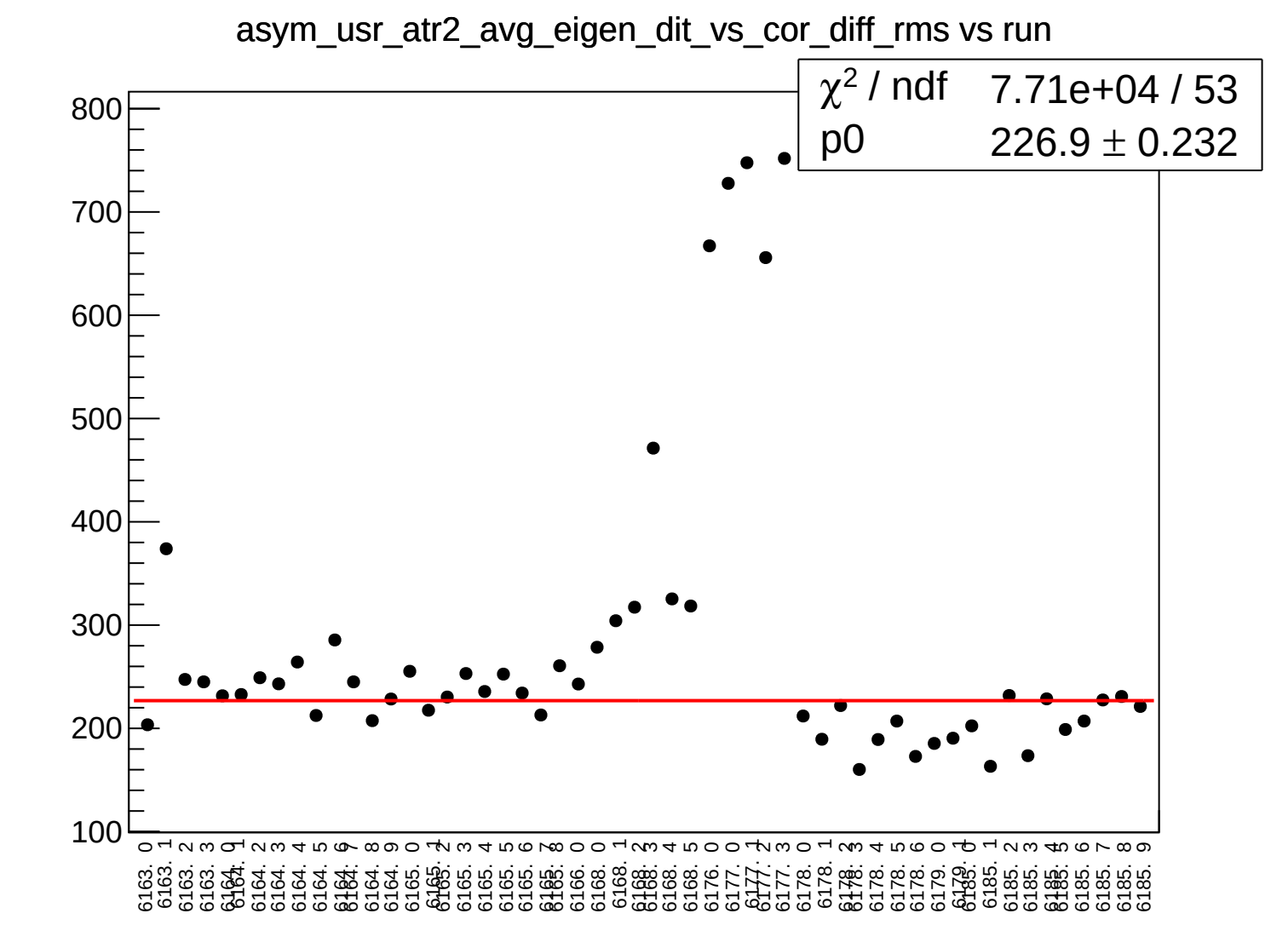

asym_usr_atr2_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.709e+04 / 53
p0 226.9 ± 0.232
800
700
600
500
400
300
200
100
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

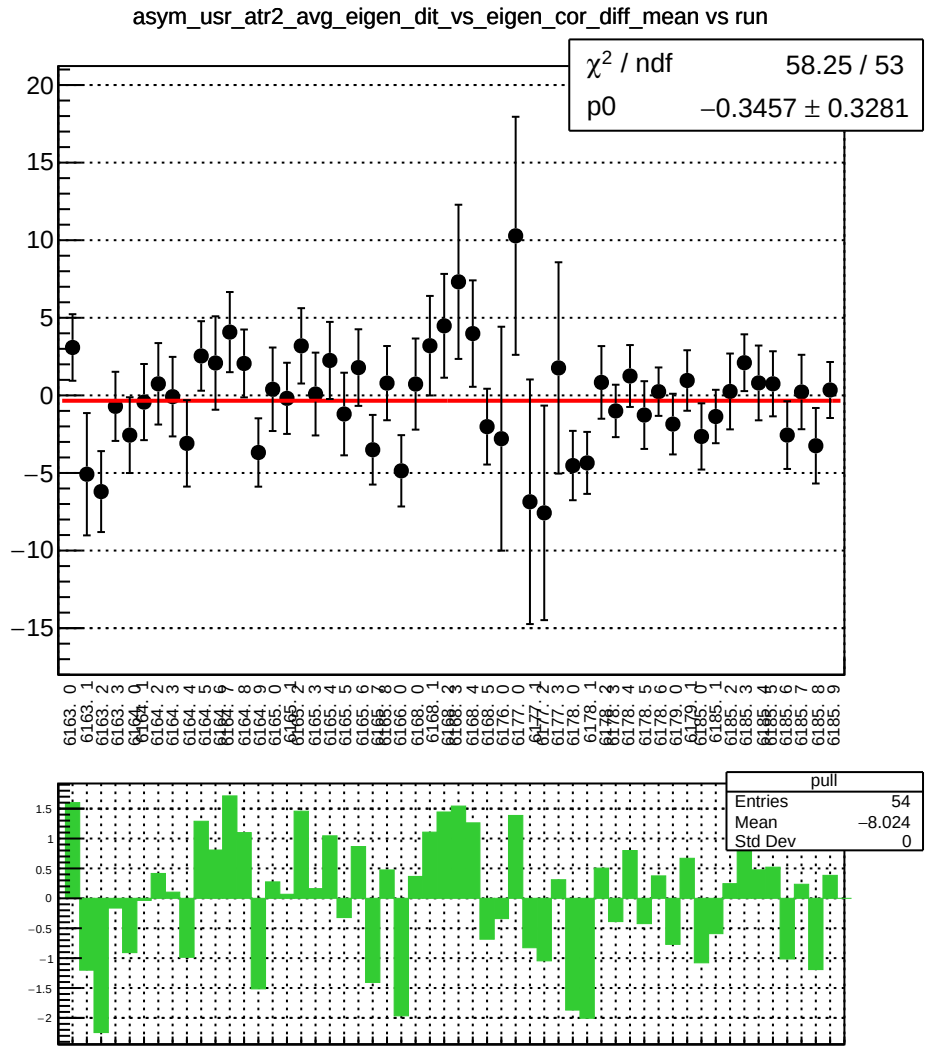

asym_usr_atr2_avg_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 55.44 / 53
p0 8.975e−05 ± 5.082e−05
pull
Entries 54
Mean 9.184
Std Dev 6.588

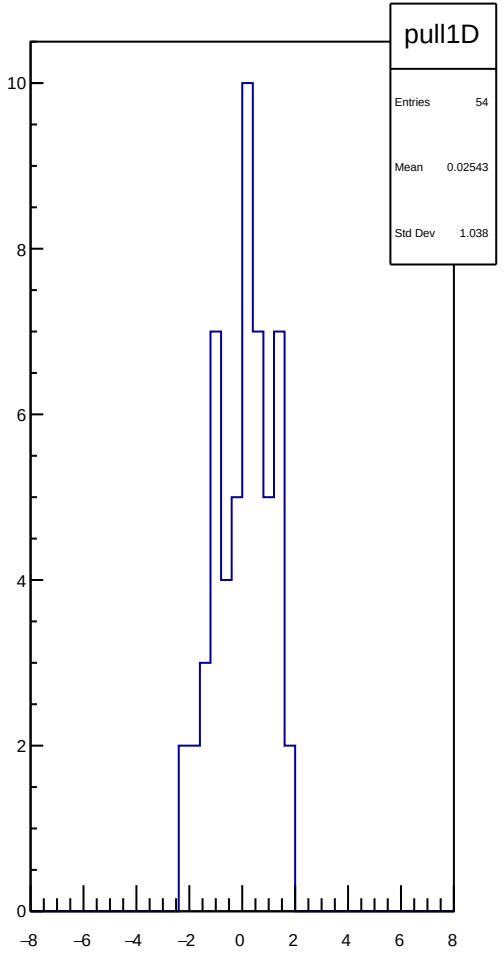

pull1D
Entries 54
Mean 0.02583
Std Dev 1.013

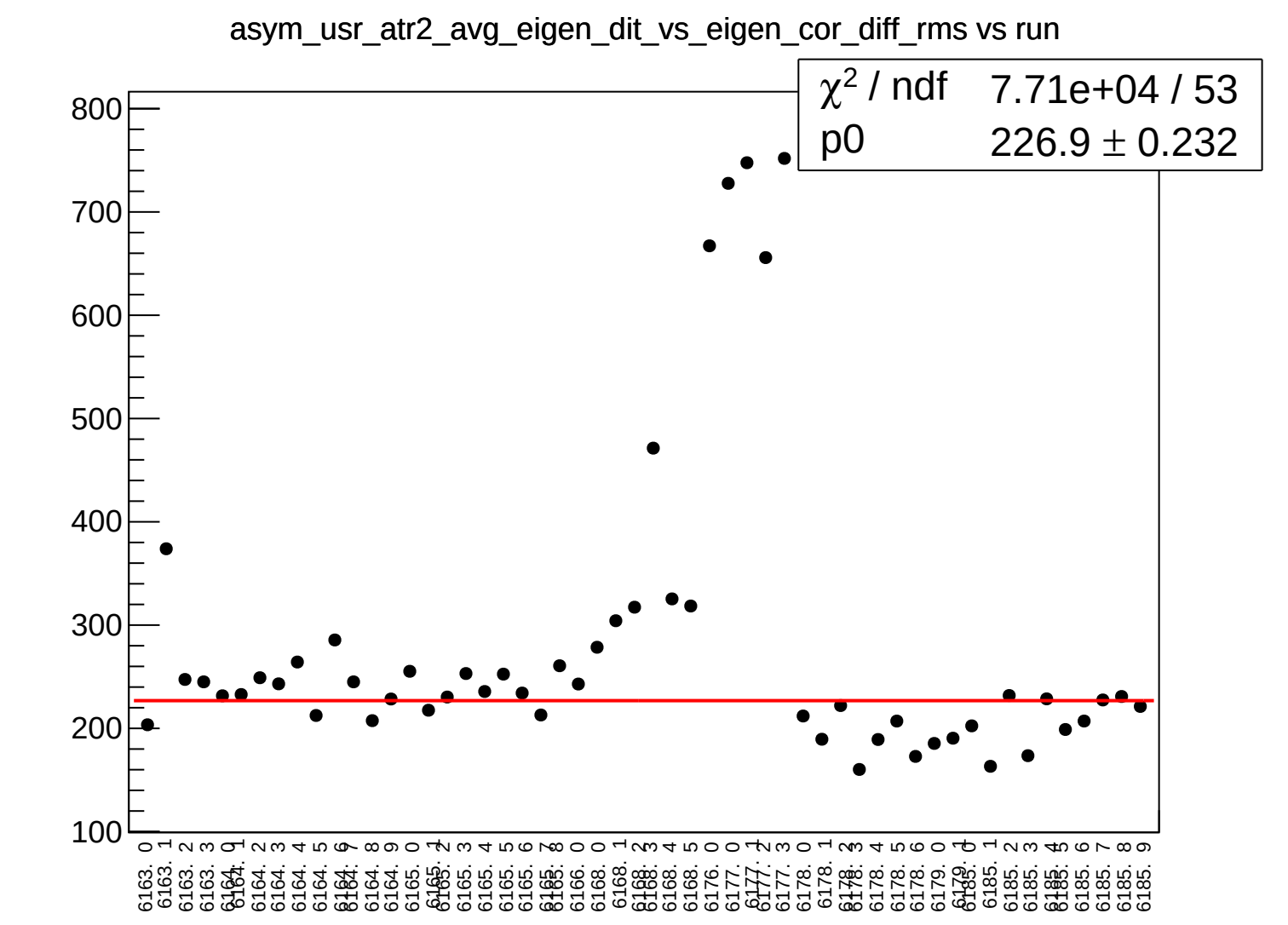

asym_usr_atr2_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 9.525e+04 / 53
p0 0.0348 ± 3.594e−05
0.065
0.06
0.055
0.05
0.045
0.04
0.035
0.03
0.025
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

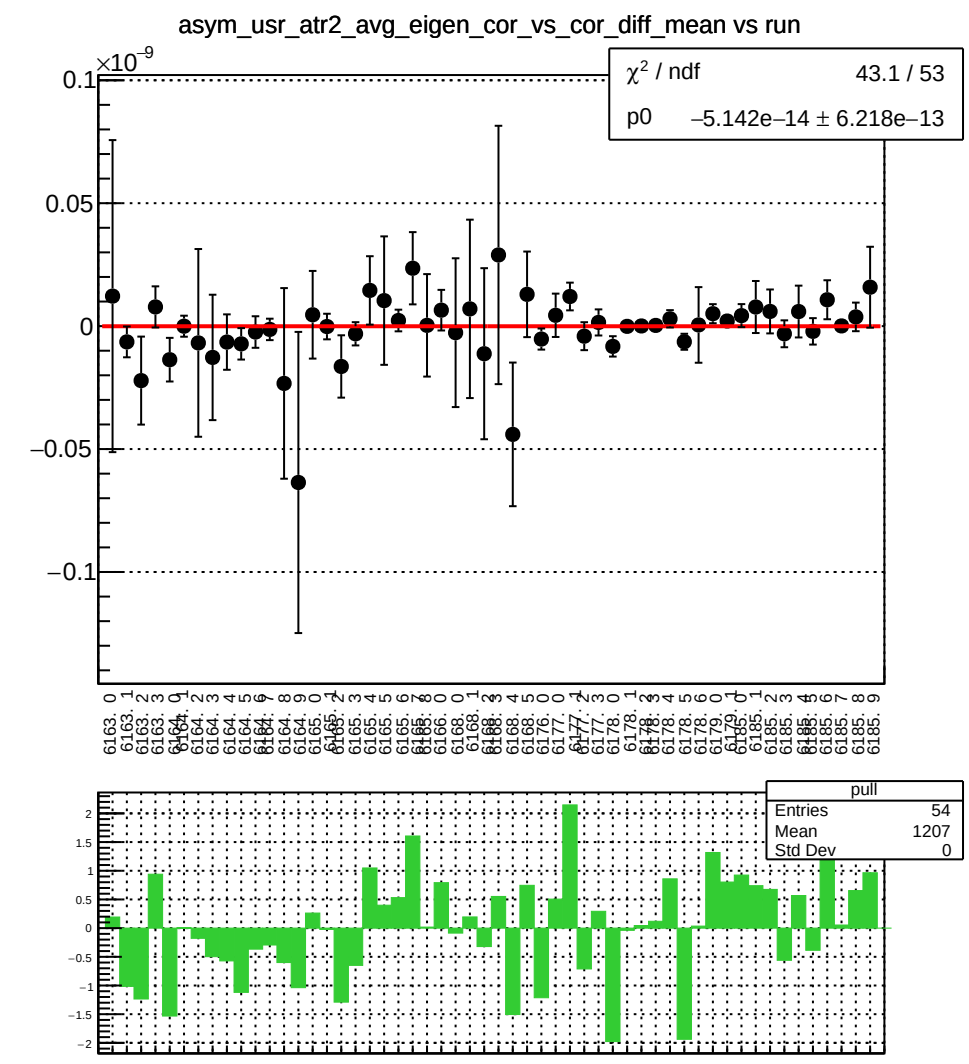

asym_usr_atr2_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 58.25 / 53
p0 −0.3457 ± 0.3281
pull
Entries 54
Mean −8.024
Std Dev 0
pull1D
Entries 54
Mean 0.02543
Std Dev 1.038

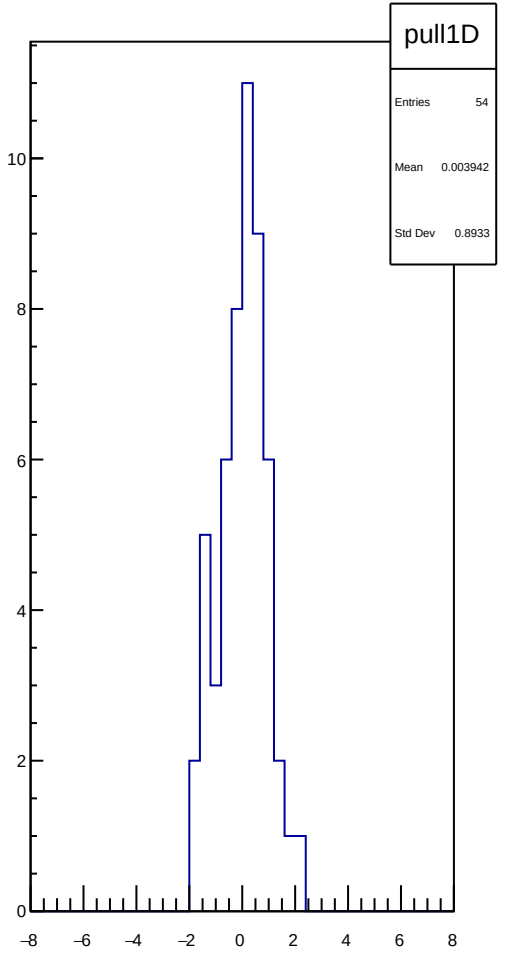

asym_usr_atr2_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 7.71e+04 / 53
p0 226.9 ± 0.232
800
700
600
500
400
300
200
100
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

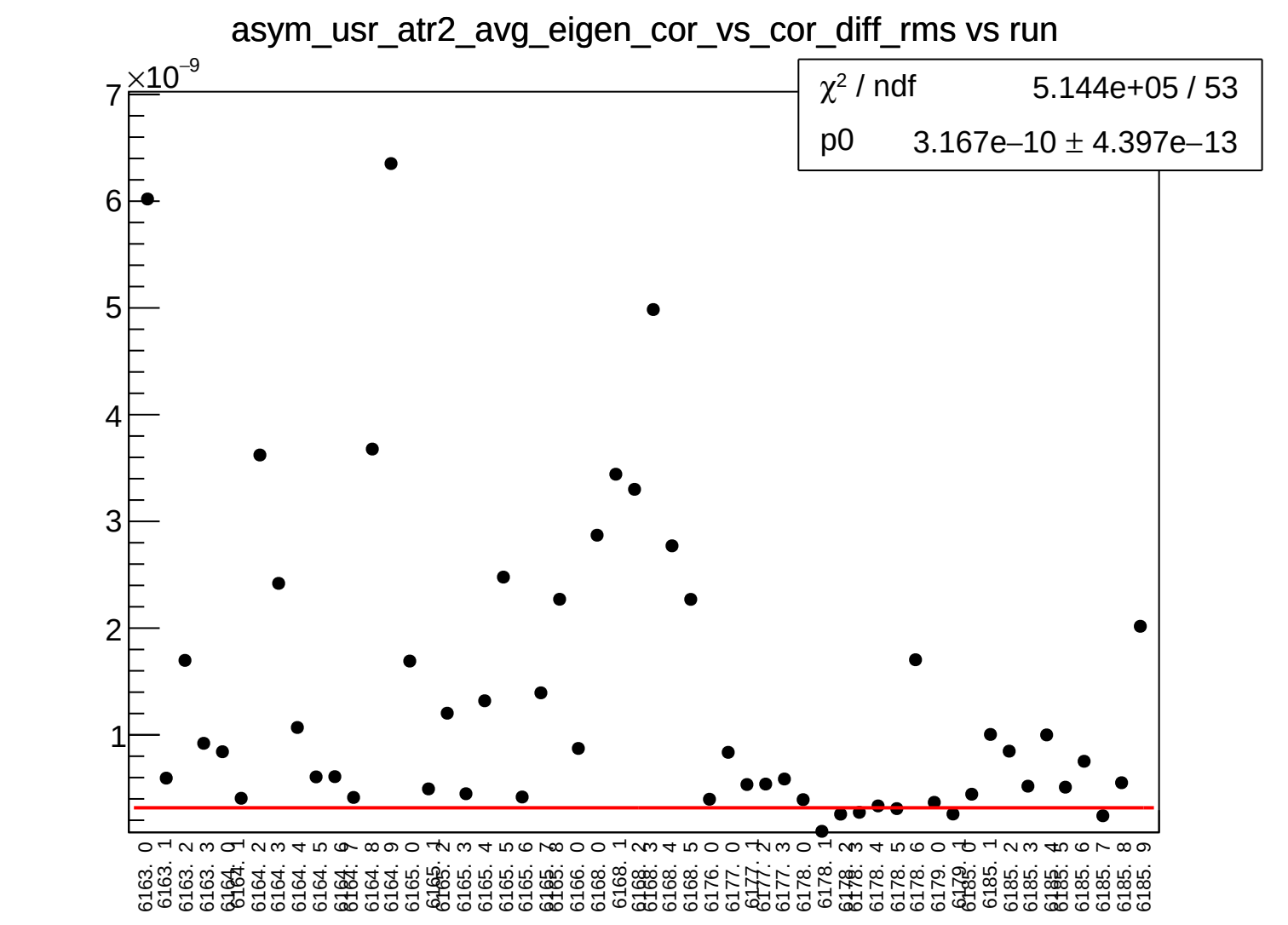

asym_usr_atr2_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 58.25 / 53
p0 −0.3457 ± 0.3281
pull
Entries 54
Mean −8.024
Std Dev 0

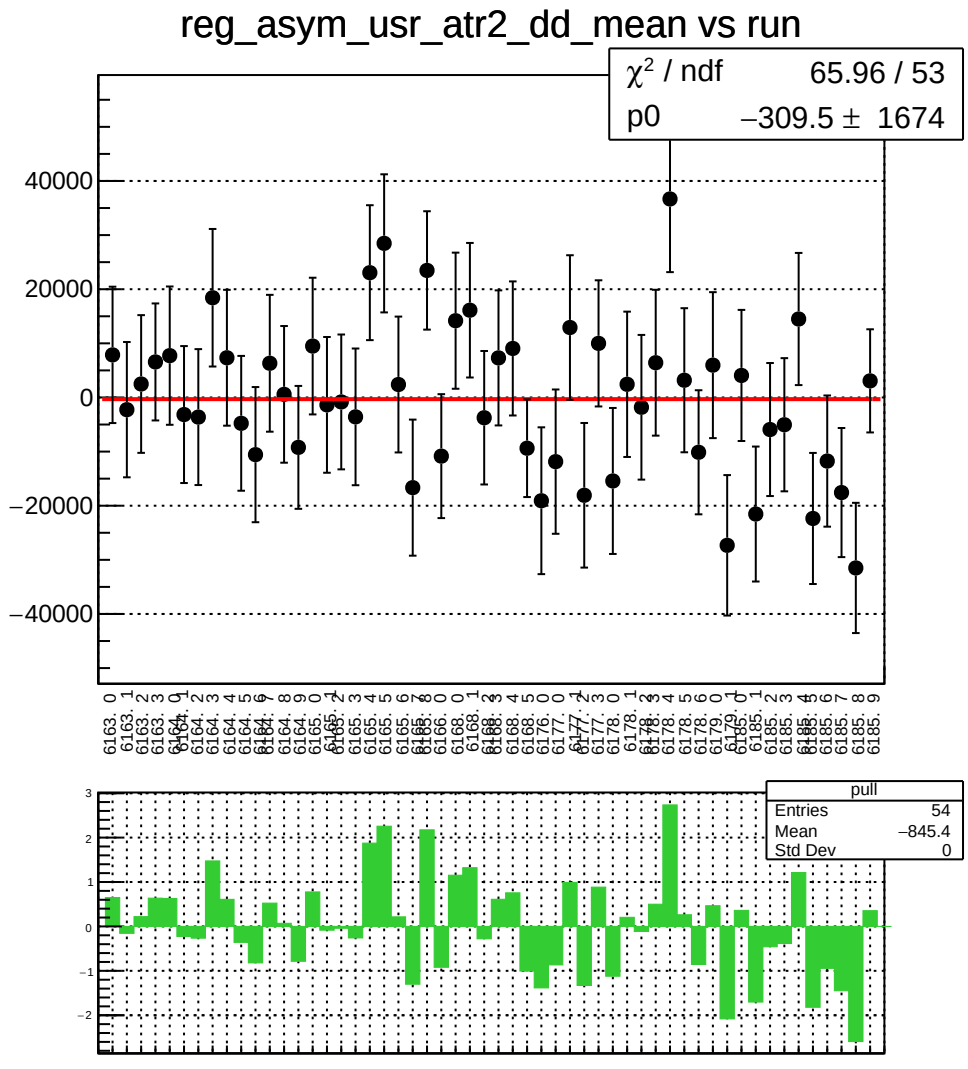

pull1D
Entries 54
Mean 0.02543
Std Dev 1.038

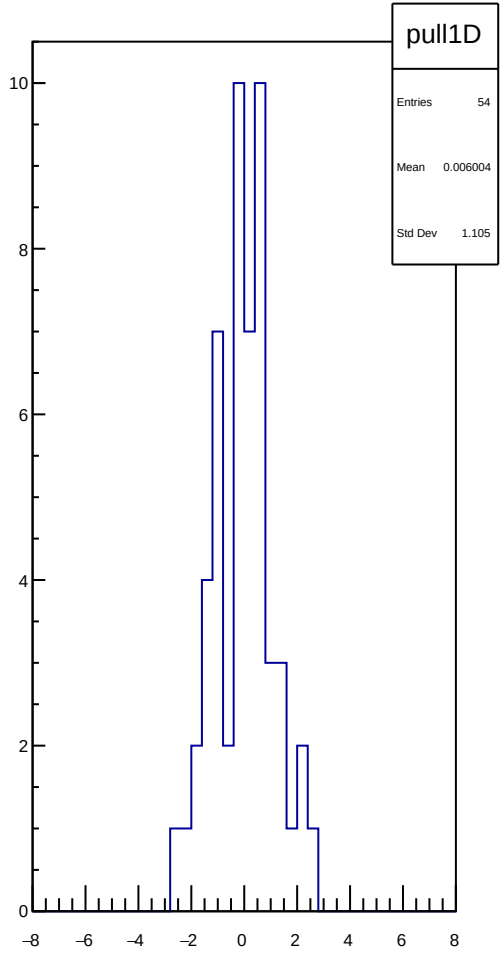

asym_usr_atr2_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.71e+04 / 53
p0 226.9 ± 0.232
800
700
600
500
400
300
200
100
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

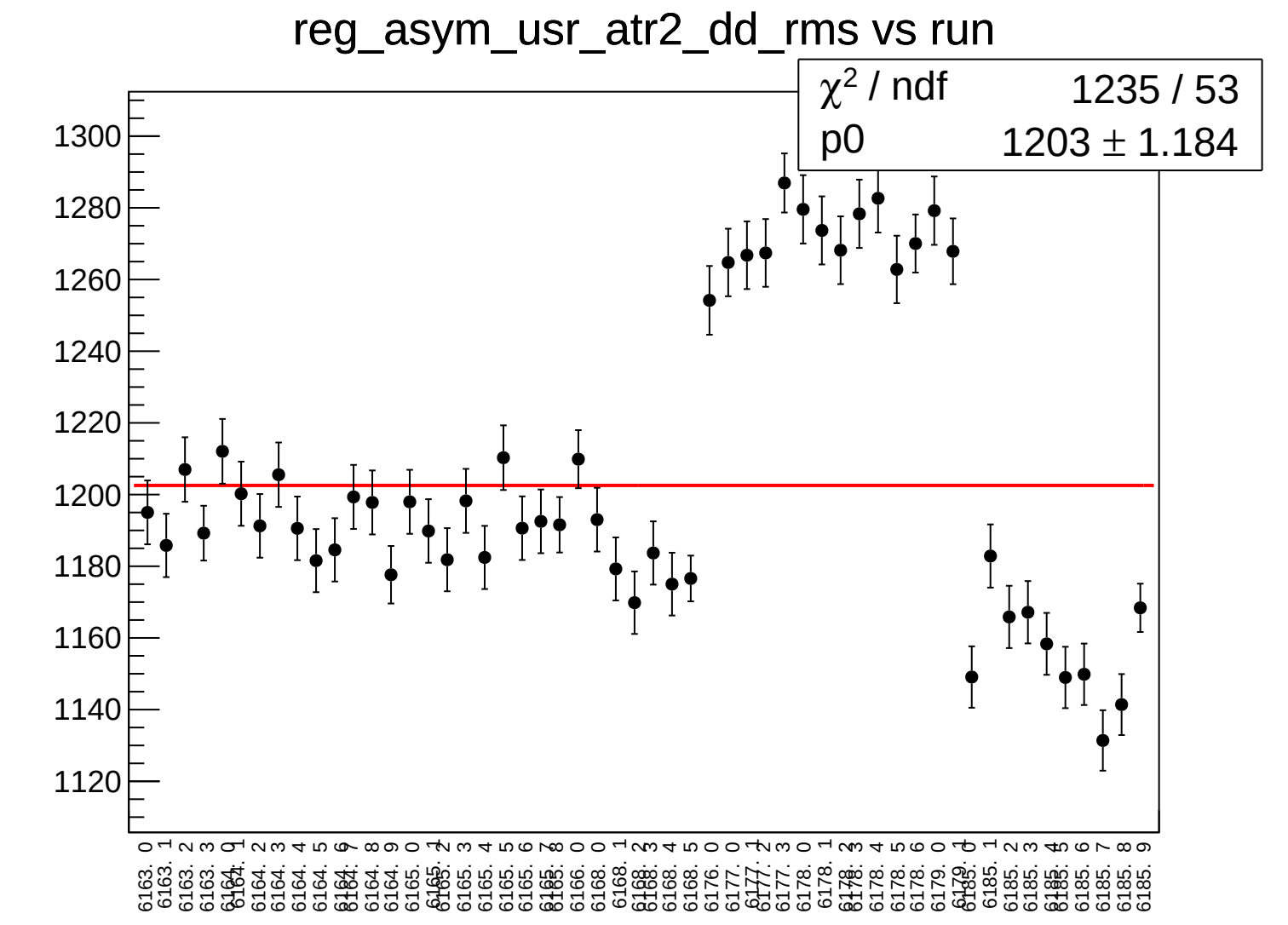

asym_usr_atr2_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻⁹
χ² / ndf 43.1 / 53
p0 −5.142e−14 ± 6.218e−13
pull
Entries 54
Mean 1207
Std Dev 0

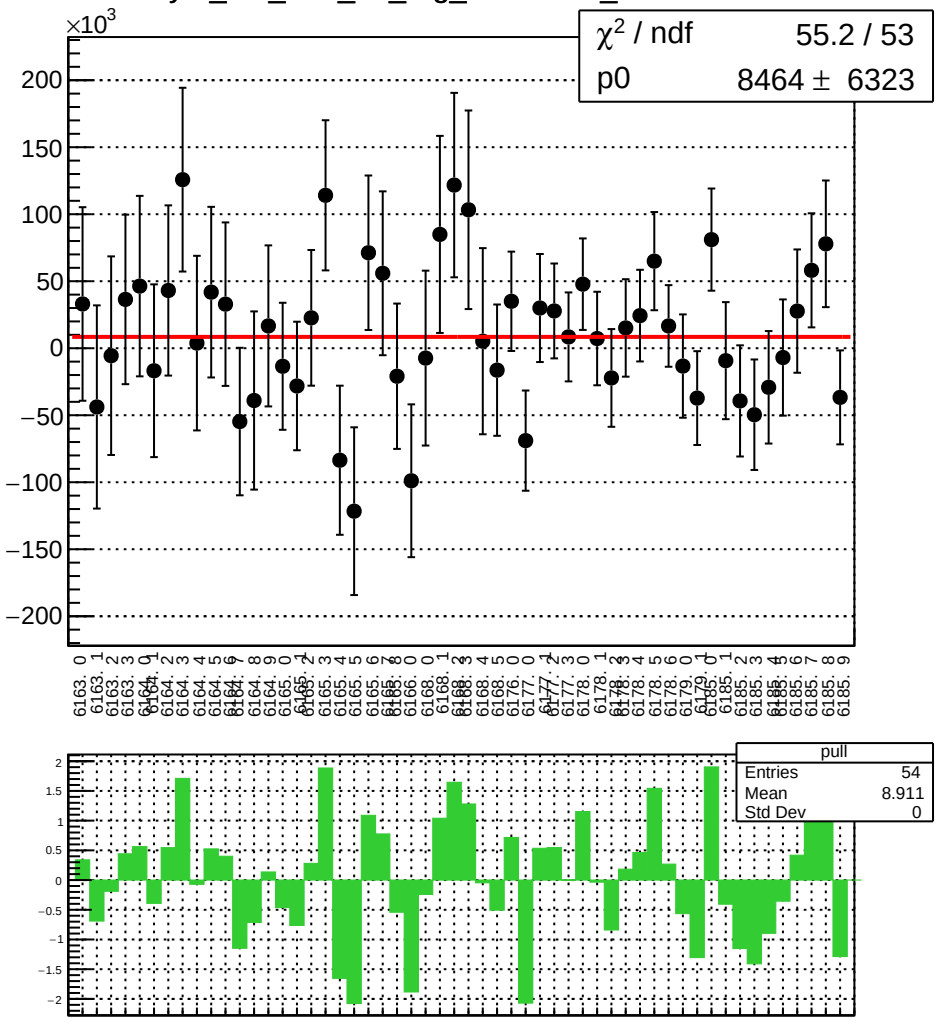

pull1D
Entries 54
Mean 0.003942
Std Dev 0.8933

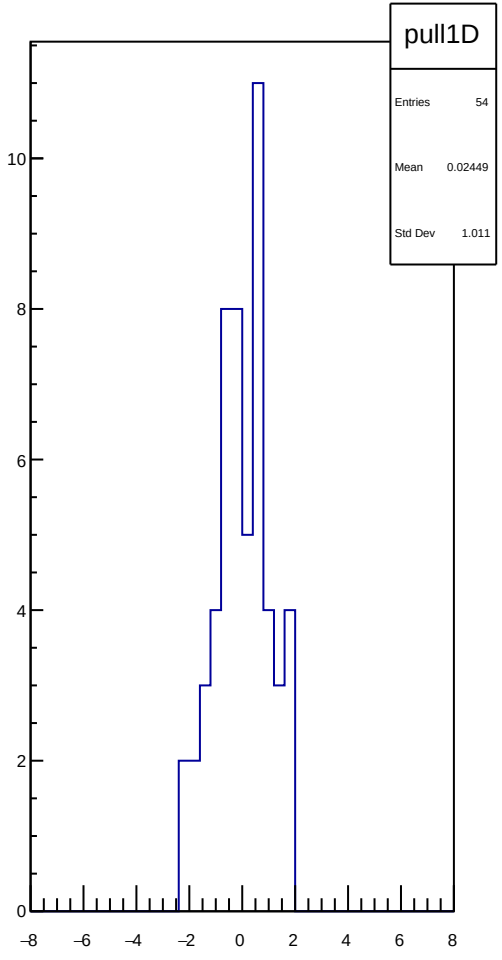

asym_usr_atr2_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.144e+05 / 53
p0 3.167e−10 ± 4.397e−13
7
6
5
4
3
2
1
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

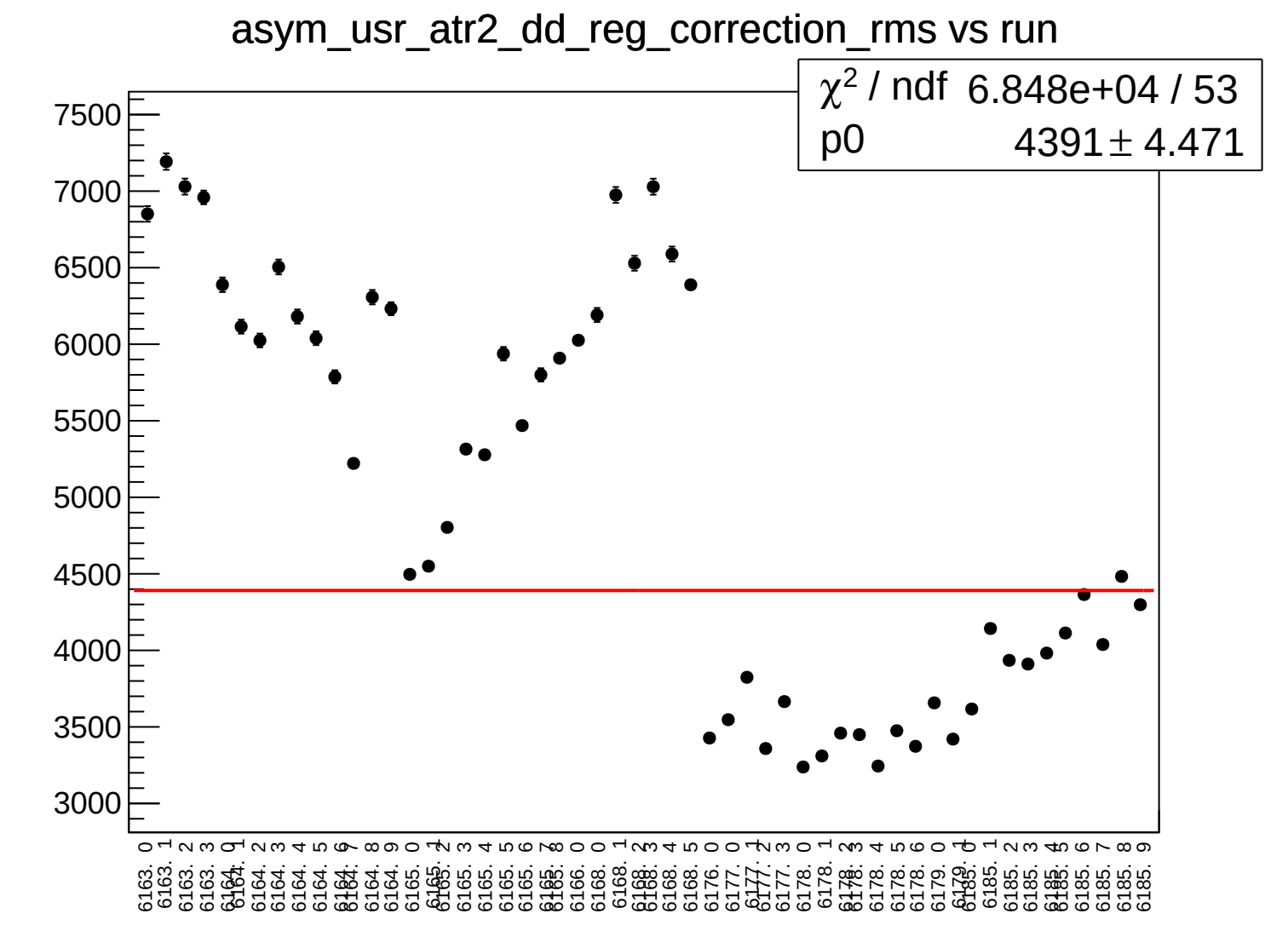

reg_asym_usr_atr2_dd_mean vs run
χ² / ndf 65.96 / 53
p0 −309.5 ± 1674
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −845.4
Std Dev 0
3
2
1
0
−1
−2

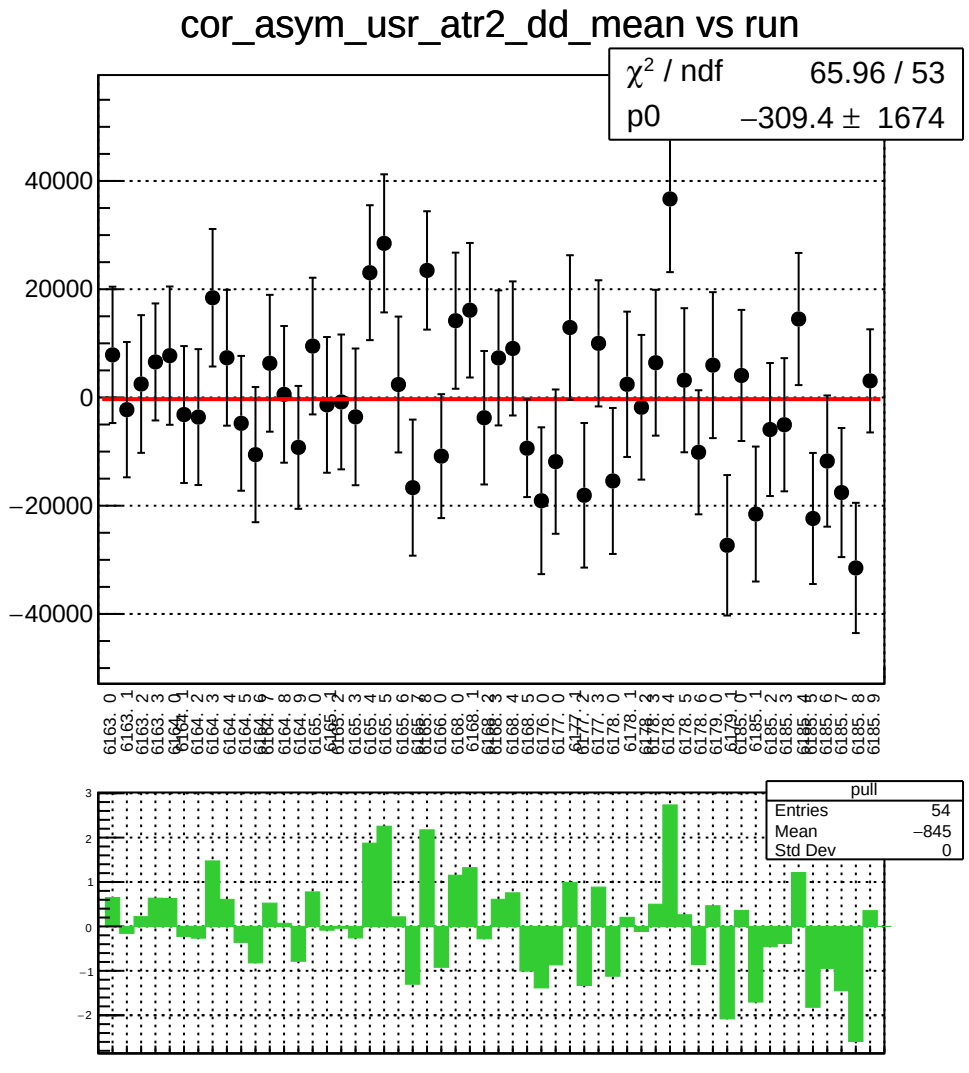

pull1D
Entries 54
Mean 0.006004
Std Dev 1.105
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

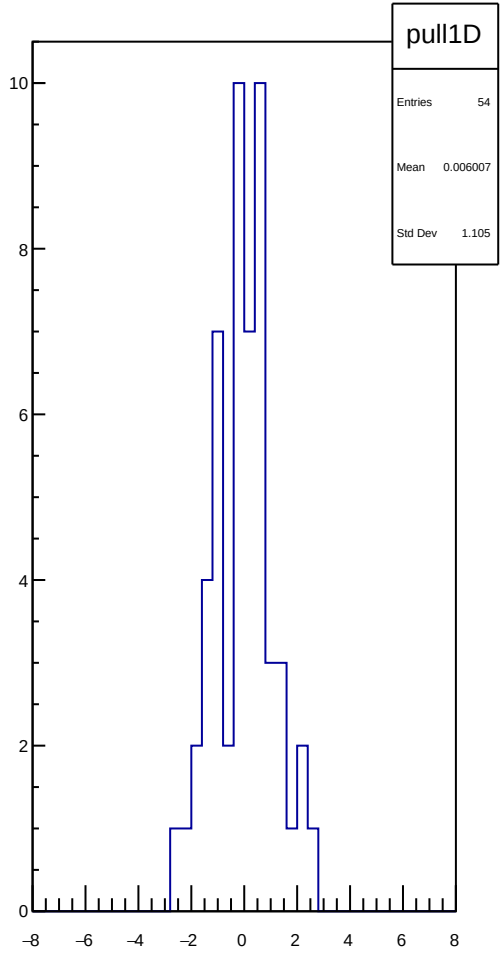

reg_asym_usr_atr2_dd_rms vs run
χ² / ndf 1235 / 53
p0 1203 ± 1.184
1300
1280
1260
1240
1220
1200
1180
1160
1140
1120
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

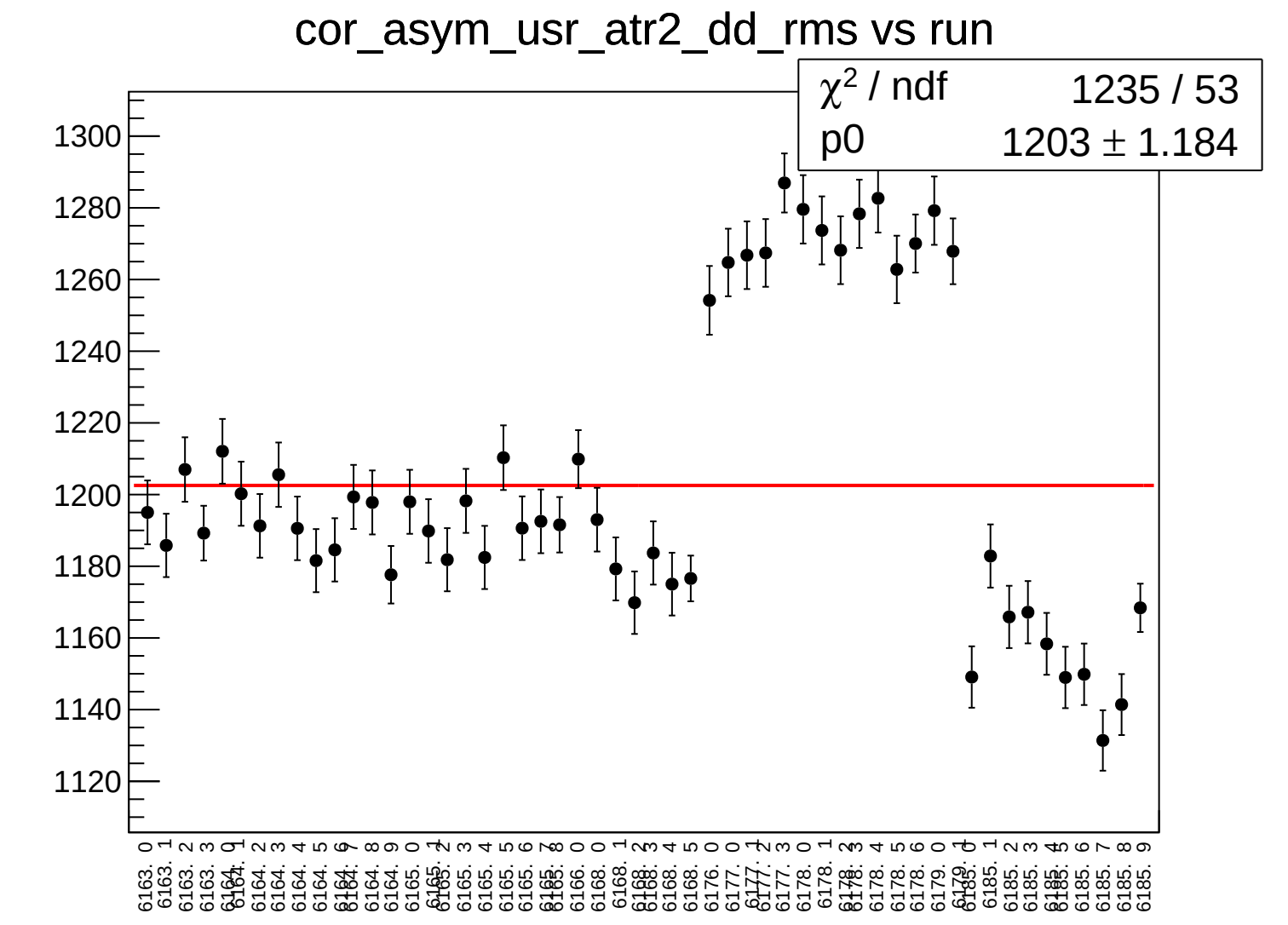

asym_usr_atr2_dd_reg_correction_mean vs run
×10^3
χ² / ndf 55.2 / 53
p0 8464 ± 6323
pull
Entries 54
Mean 8.911
Std Dev 0

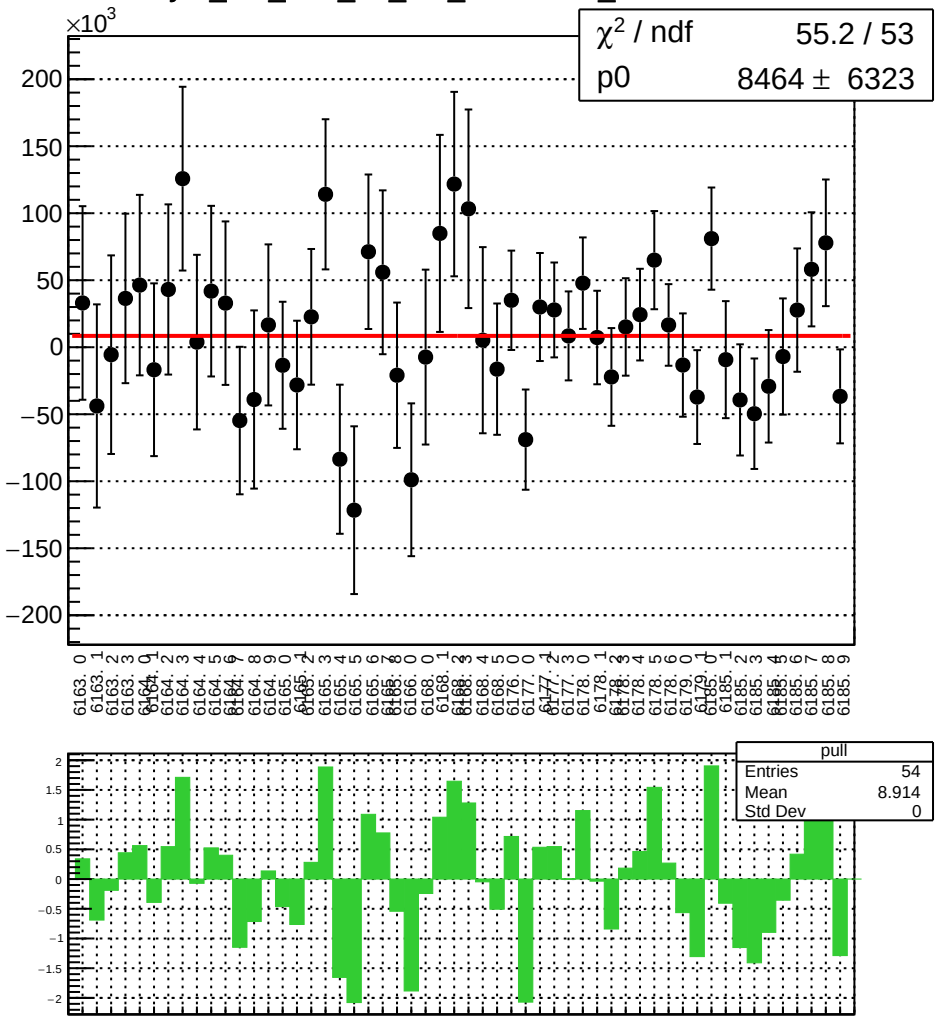

pull1D
Entries 54
Mean 0.02449
Std Dev 1.011

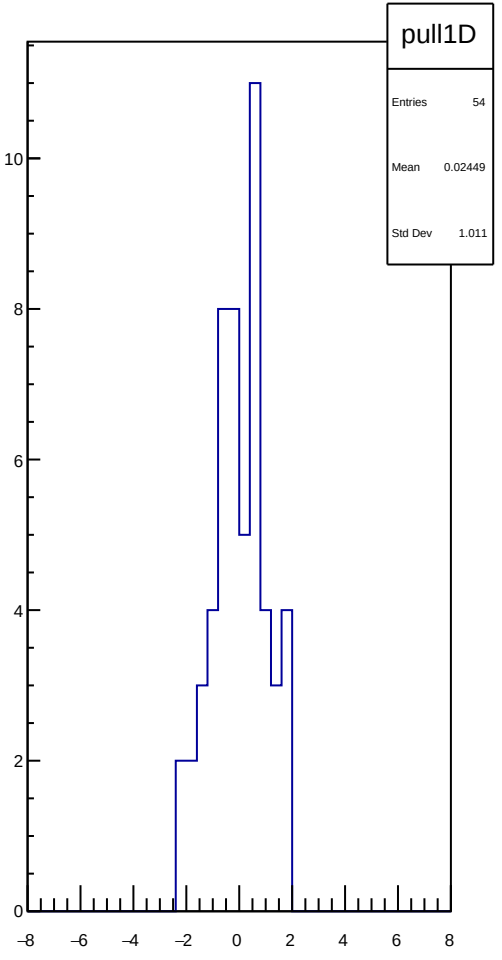

asym_usr_atr2_dd_reg_correction_rms vs run
χ² / ndf 6.848e+04 / 53
p0 4391 ± 4.471
7500
7000
6500
6000
5500
5000
4500
4000
3500
3000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

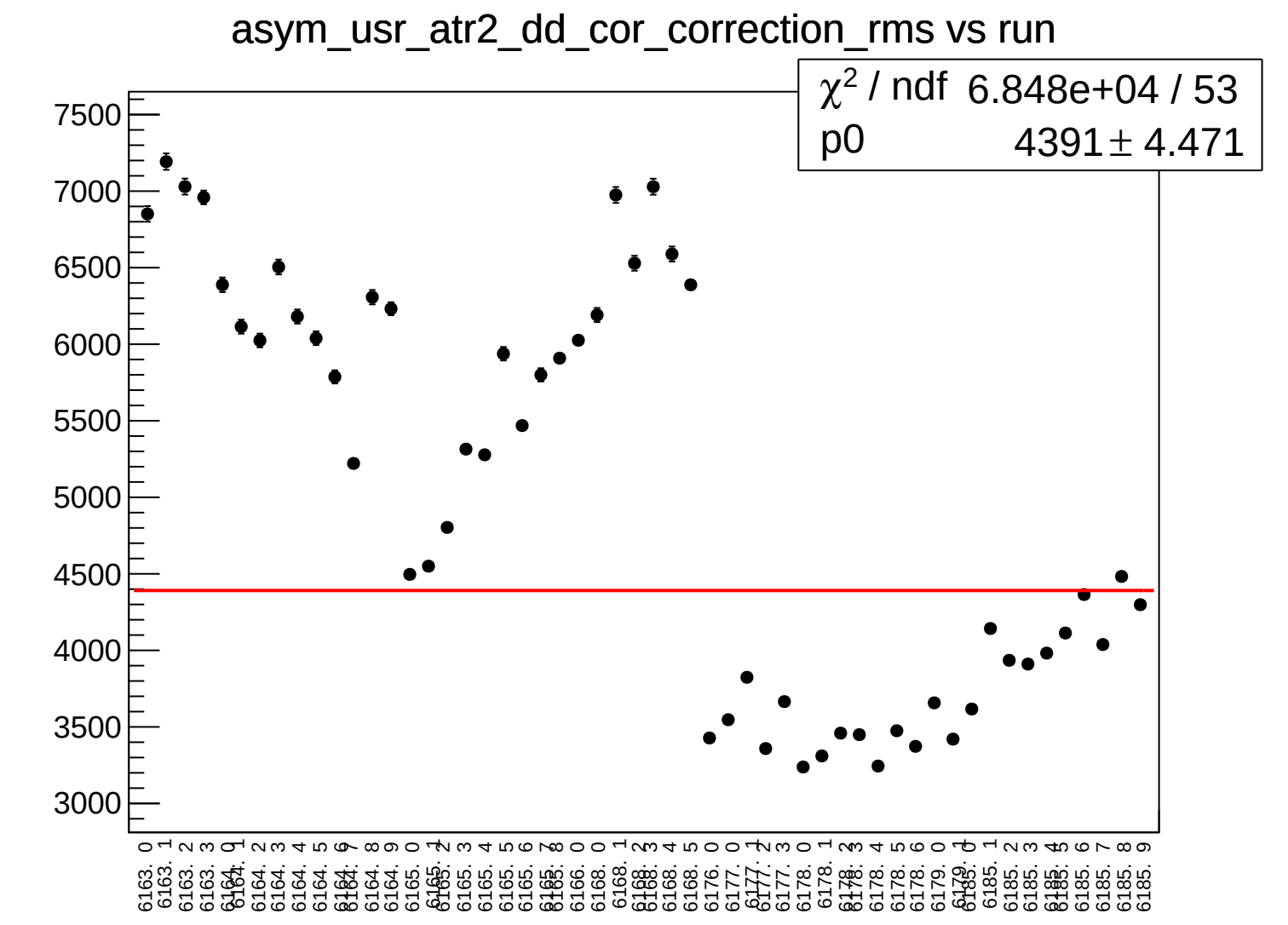

cor_asym_usr_atr2_dd_mean vs run
χ² / ndf 65.96 / 53
p0 −309.4 ± 1674
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −845
Std Dev 0
3
2
1
0
−1
−2

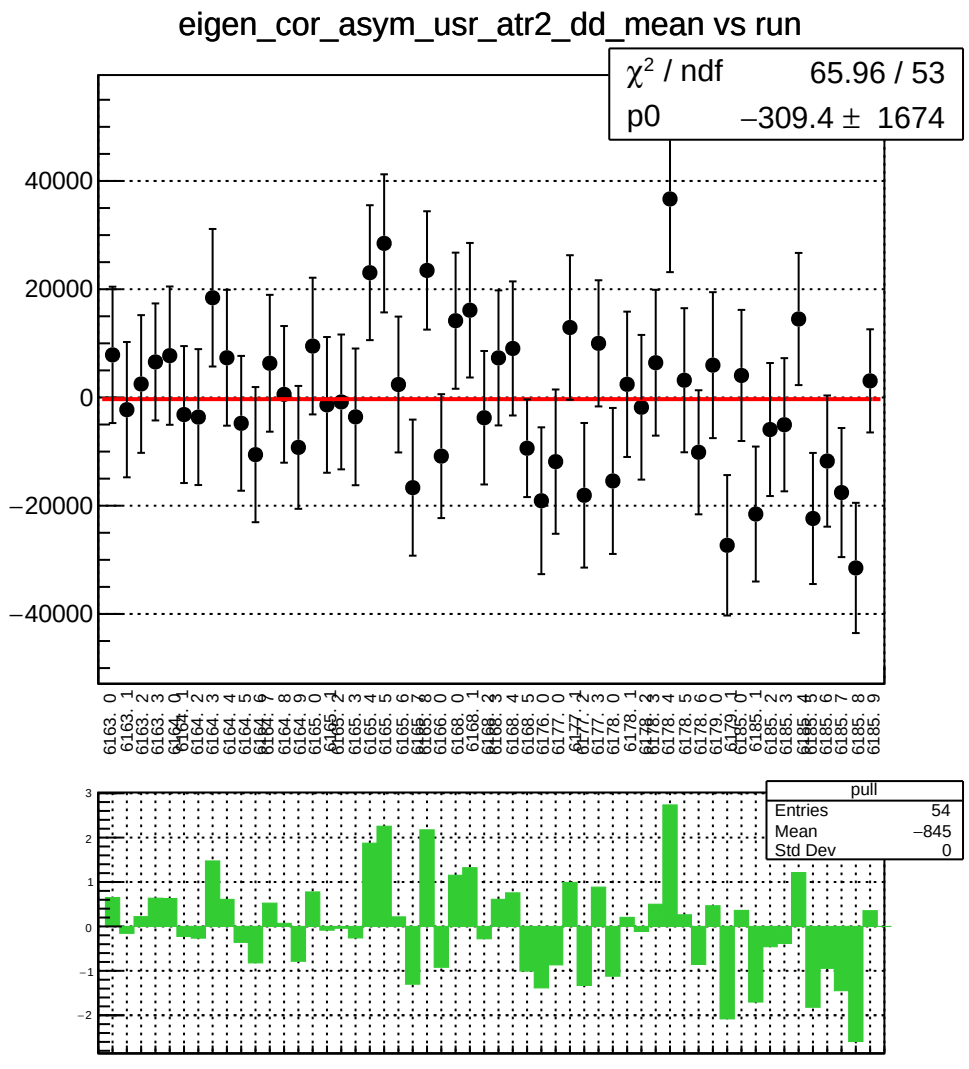

pull1D
Entries 54
Mean 0.006007
Std Dev 1.105
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

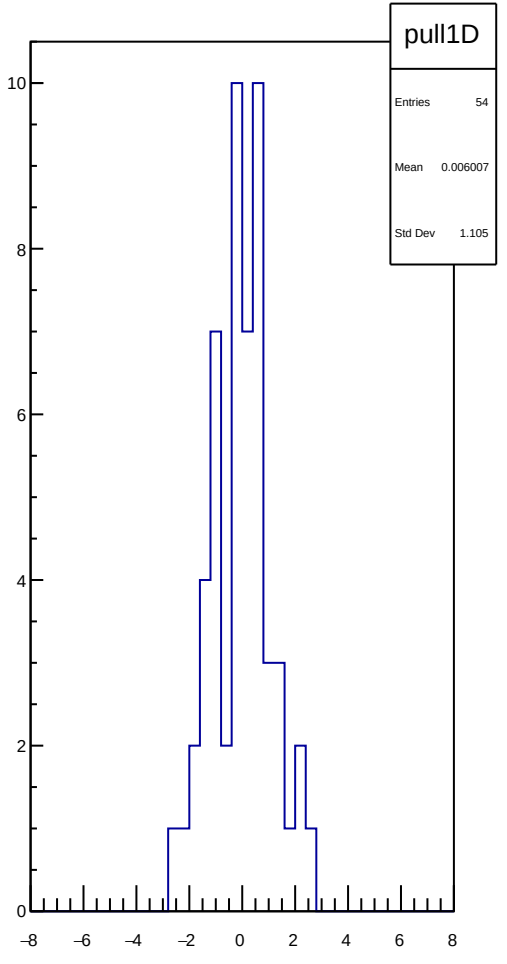

cor_asym_usr_atr2_dd_rms vs run
χ² / ndf 1235 / 53
p0 1203 ± 1.184
1300
1280
1260
1240
1220
1200
1180
1160
1140
1120
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

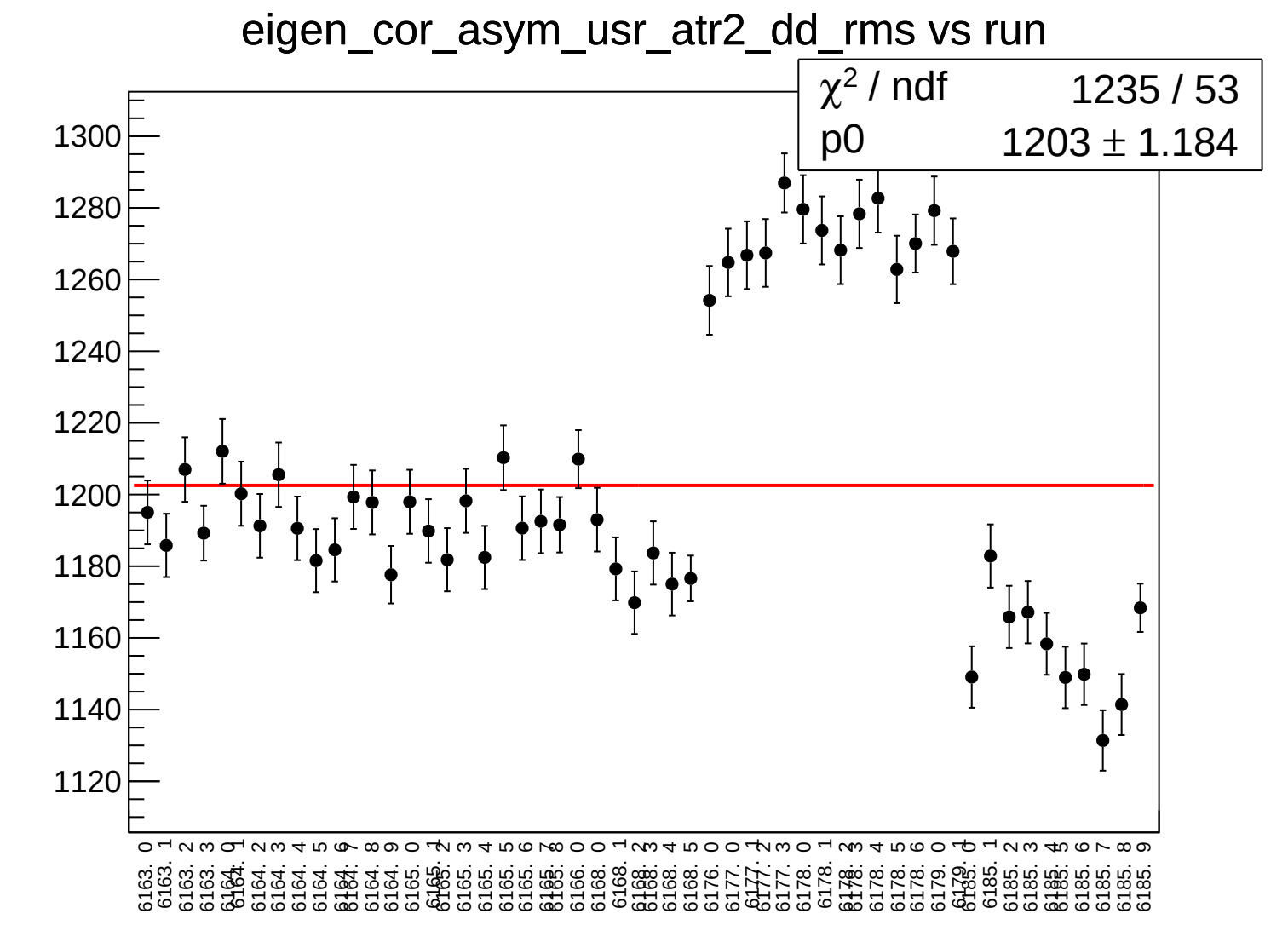

asym_usr_atr2_dd_cor_correction_mean vs run
×10^3
χ² / ndf 55.2 / 53
p0 8464 ± 6323
pull
Entries 54
Mean 8.914
Std Dev 0

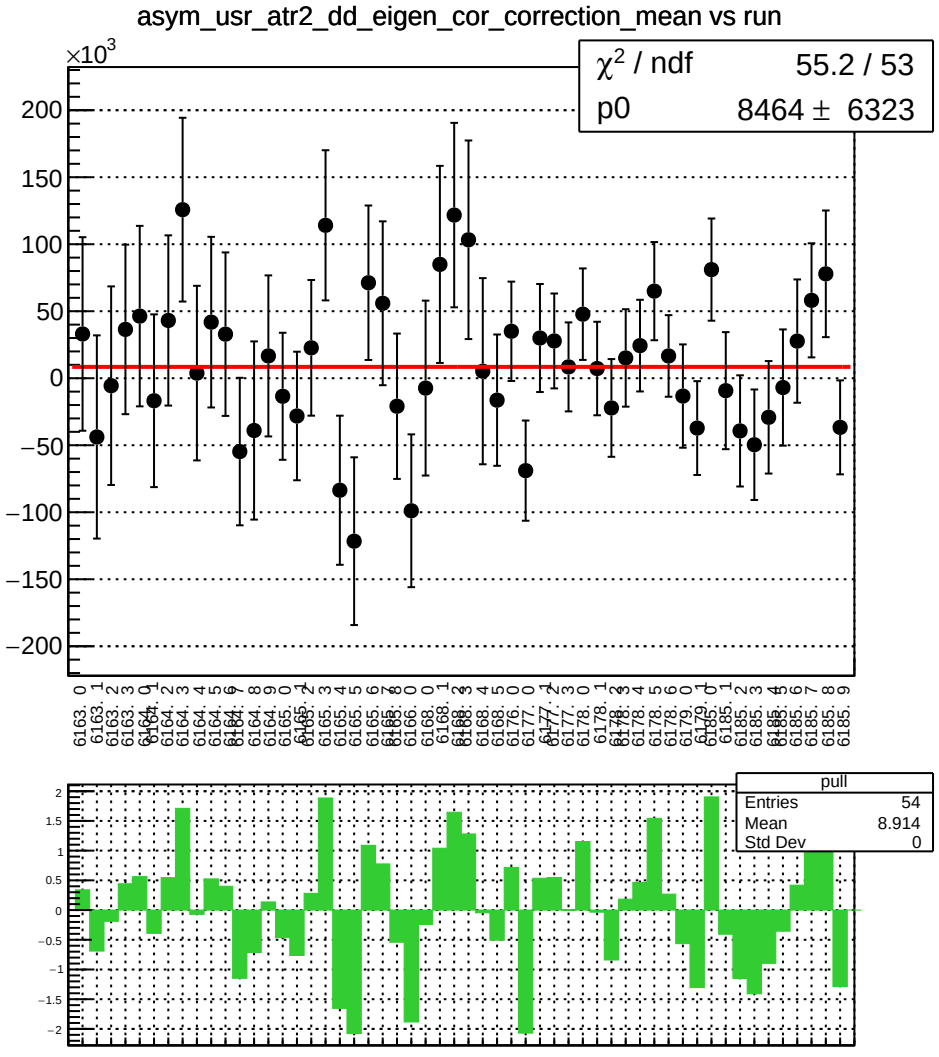

pull1D
Entries 54
Mean 0.02449
Std Dev 1.011

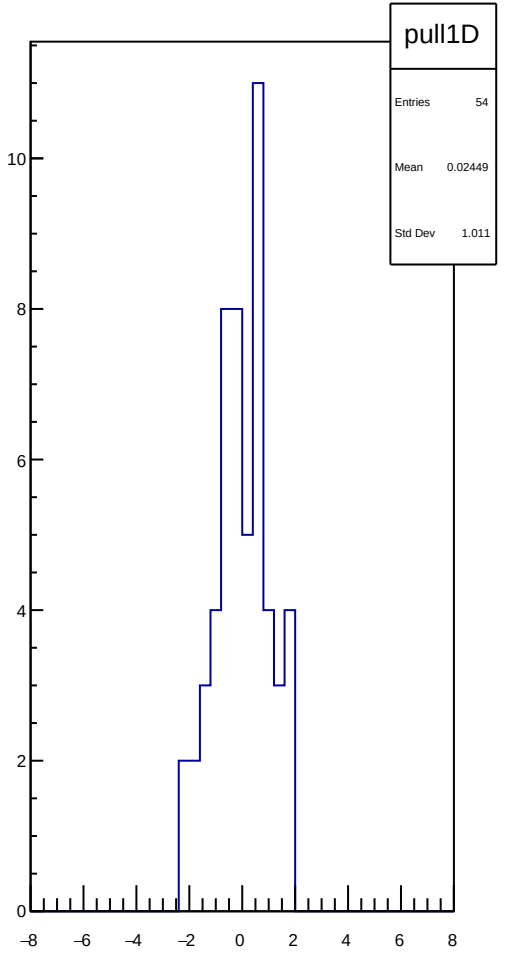

asym_usr_atr2_dd_cor_correction_rms vs run
χ² / ndf 6.848e+04 / 53
p0 4391 ± 4.471
7500
7000
6500
6000
5500
5000
4500
4000
3500
3000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

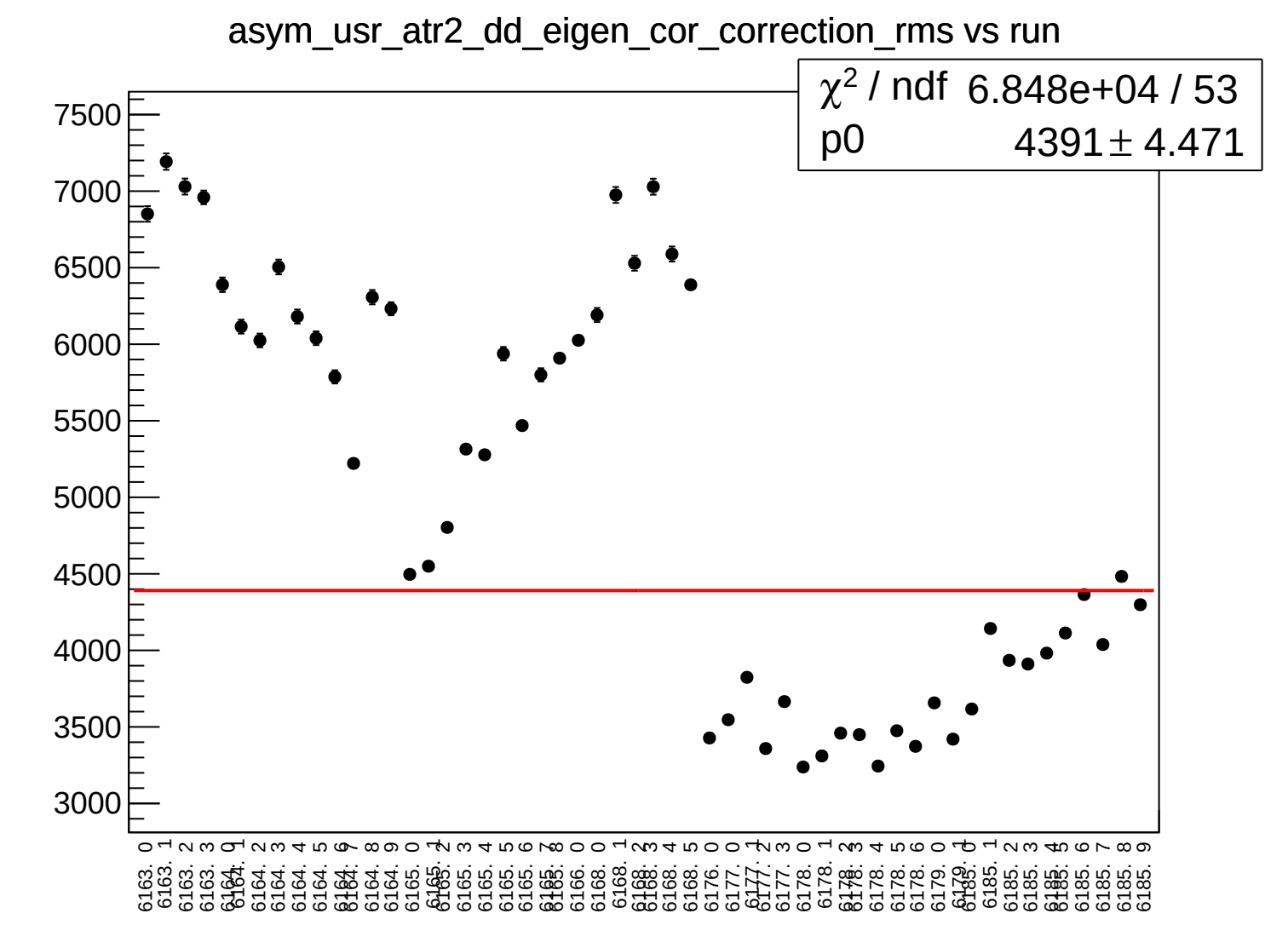

eigen_cor_asym_usr_atr2_dd_mean vs run
χ² / ndf 65.96 / 53
p0 −309.4 ± 1674
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −845
Std Dev 0
3
2
1
0
−1
−2

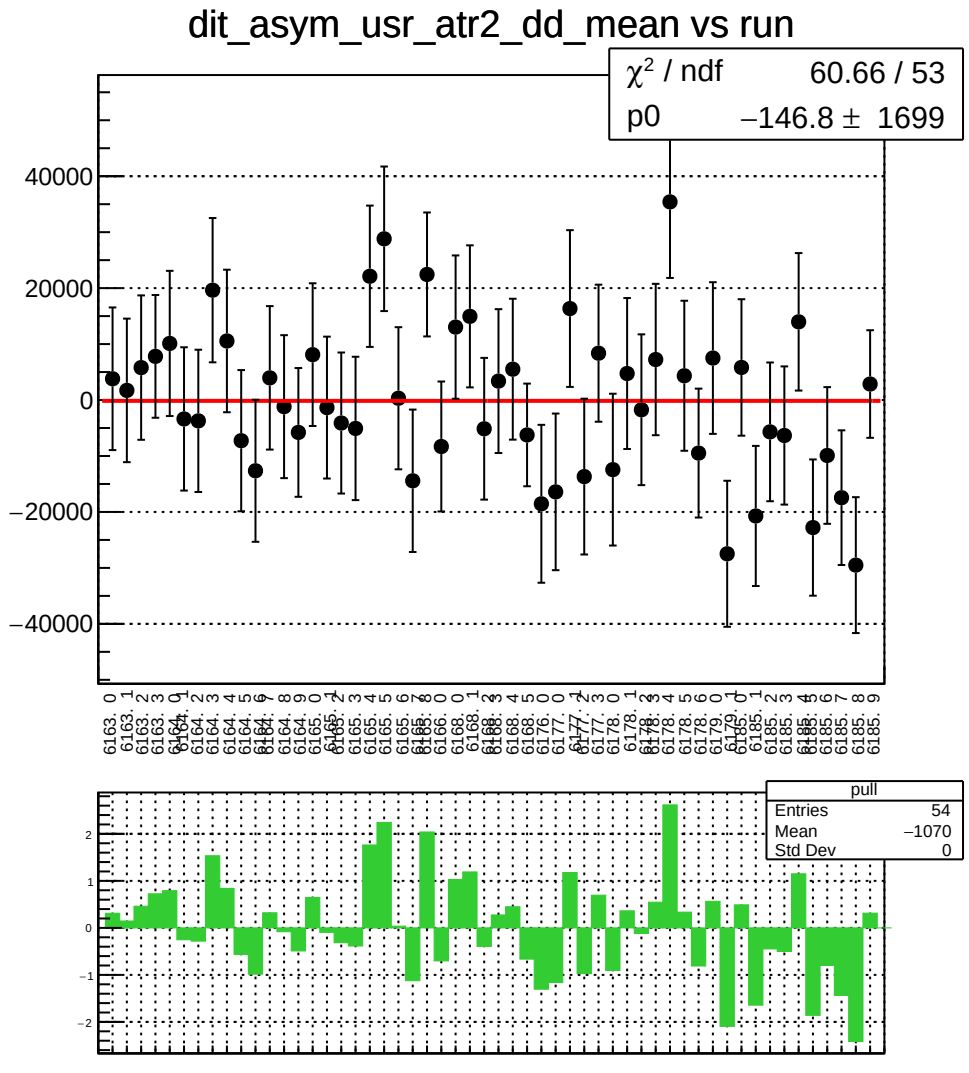

pull1D
Entries 54
Mean 0.006007
Std Dev 1.105
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

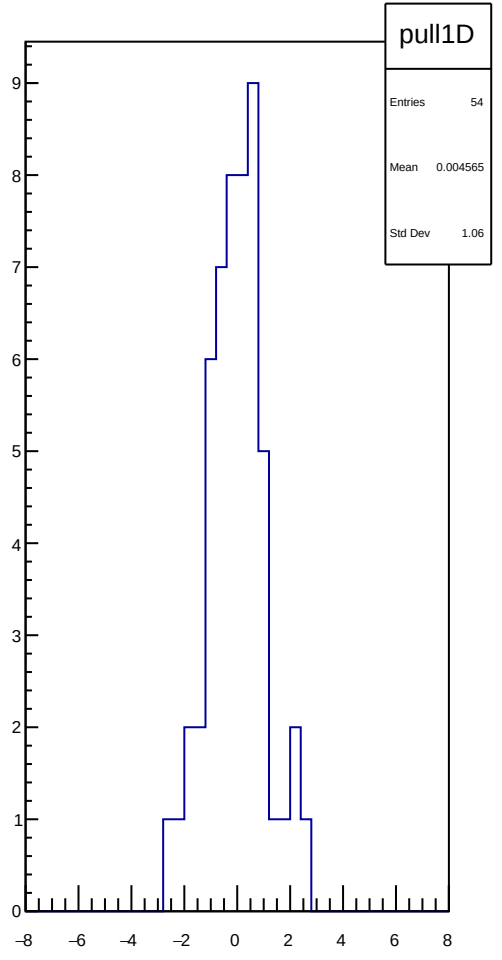

eigen_cor_asym_usr_atr2_dd_rms vs run
χ² / ndf 1235 / 53
p0 1203 ± 1.184
1300
1280
1260
1240
1220
1200
1180
1160
1140
1120
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

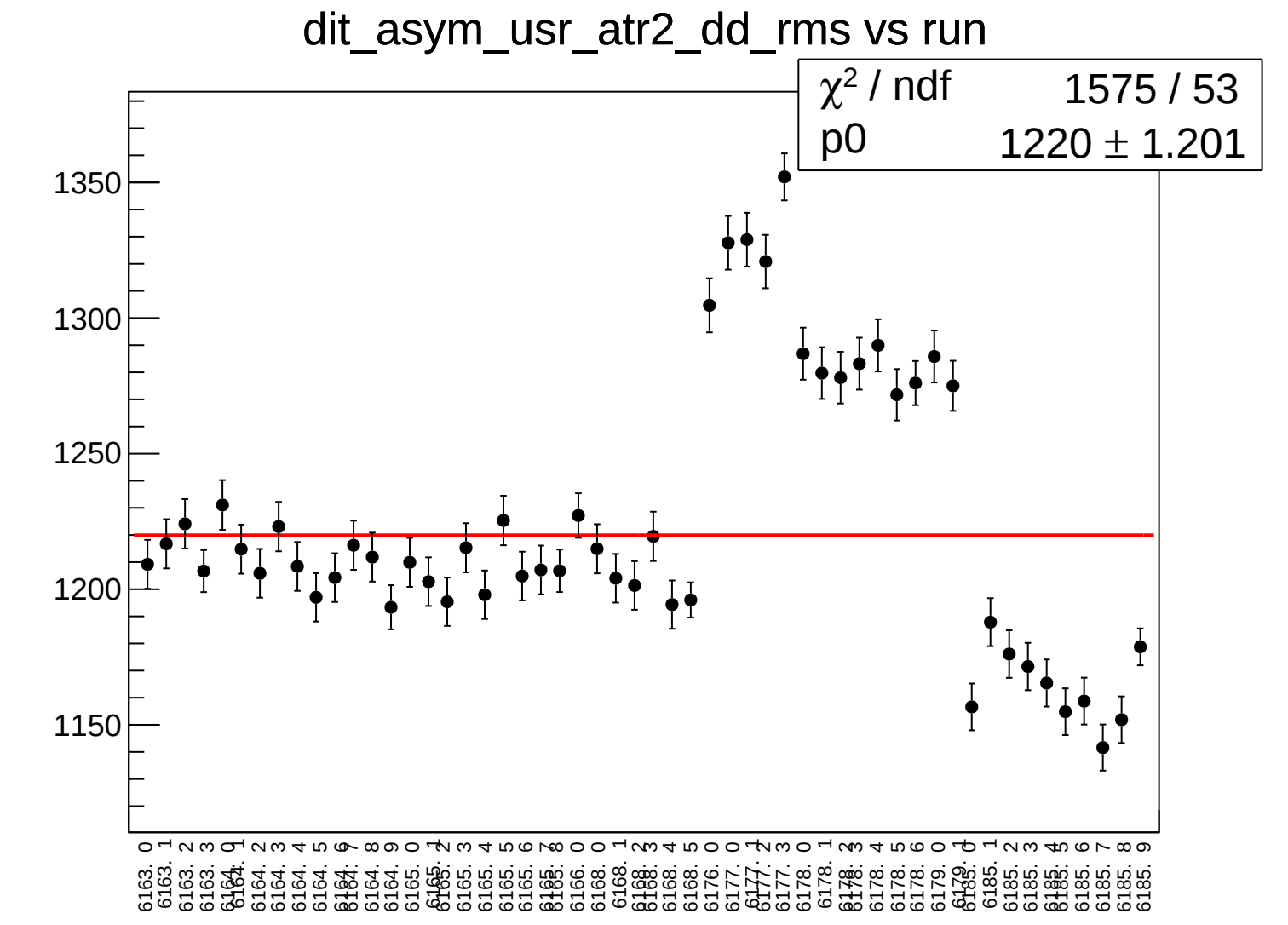

asym_usr_atr2_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 55.2 / 53
p0 8464 ± 6323
pull
Entries 54
Mean 8.914
Std Dev 0

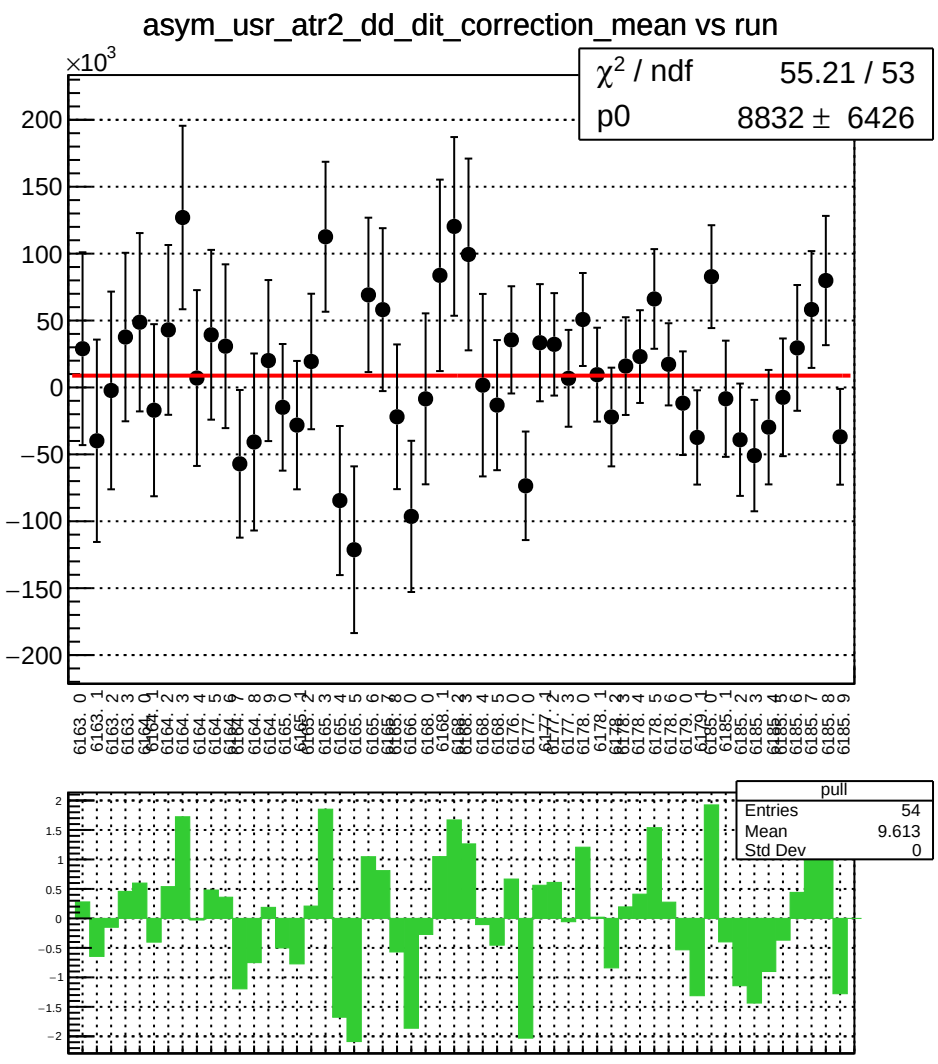

pull1D
Entries 54
Mean 0.02449
Std Dev 1.011

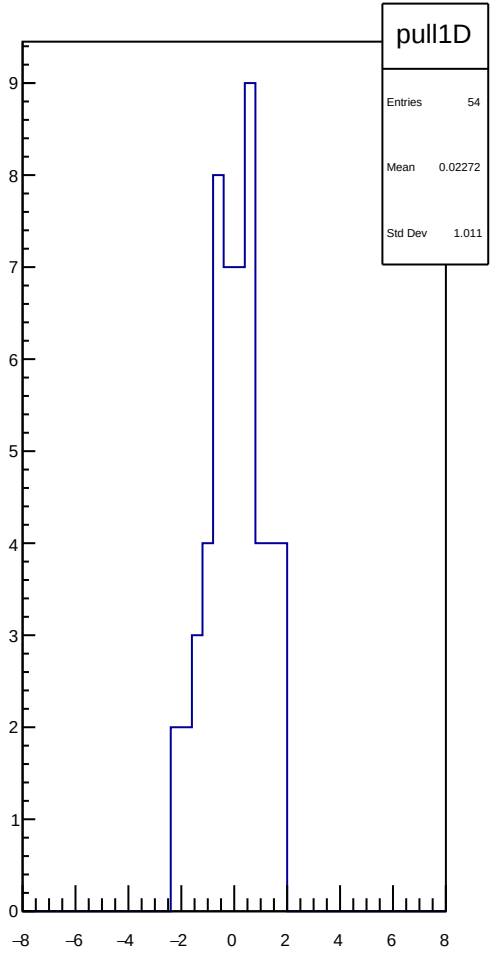

asym_usr_atr2_dd_eigen_cor_correction_rms vs run
χ² / ndf 6.848e+04 / 53
p0 4391 ± 4.471
7500
7000
6500
6000
5500
5000
4500
4000
3500
3000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

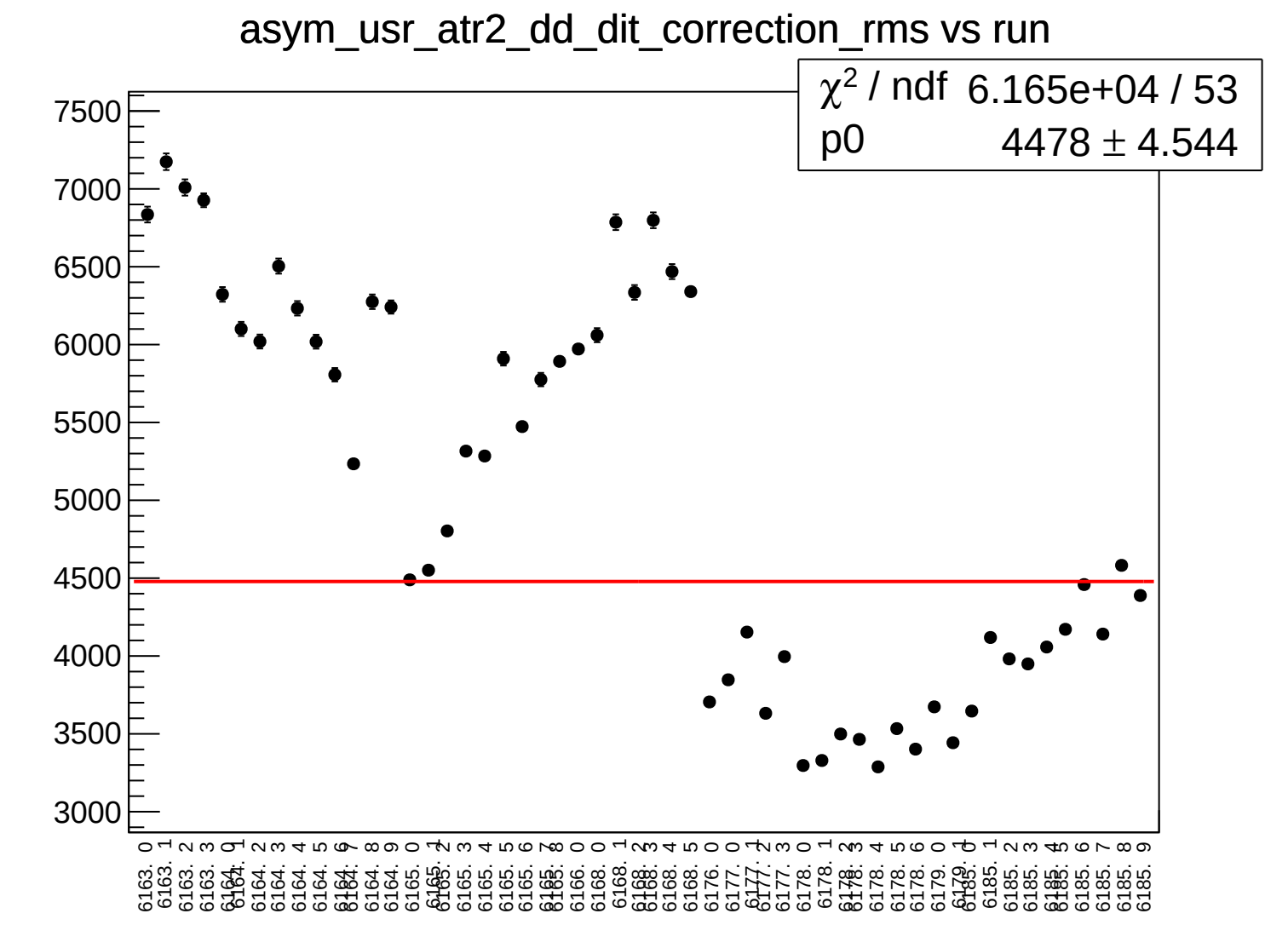

dit_asym_usr_atr2_dd_mean vs run
χ² / ndf 60.66 / 53
p0 −146.8 ± 1699
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −1070
Std Dev 0
2
1
0
−1
−2

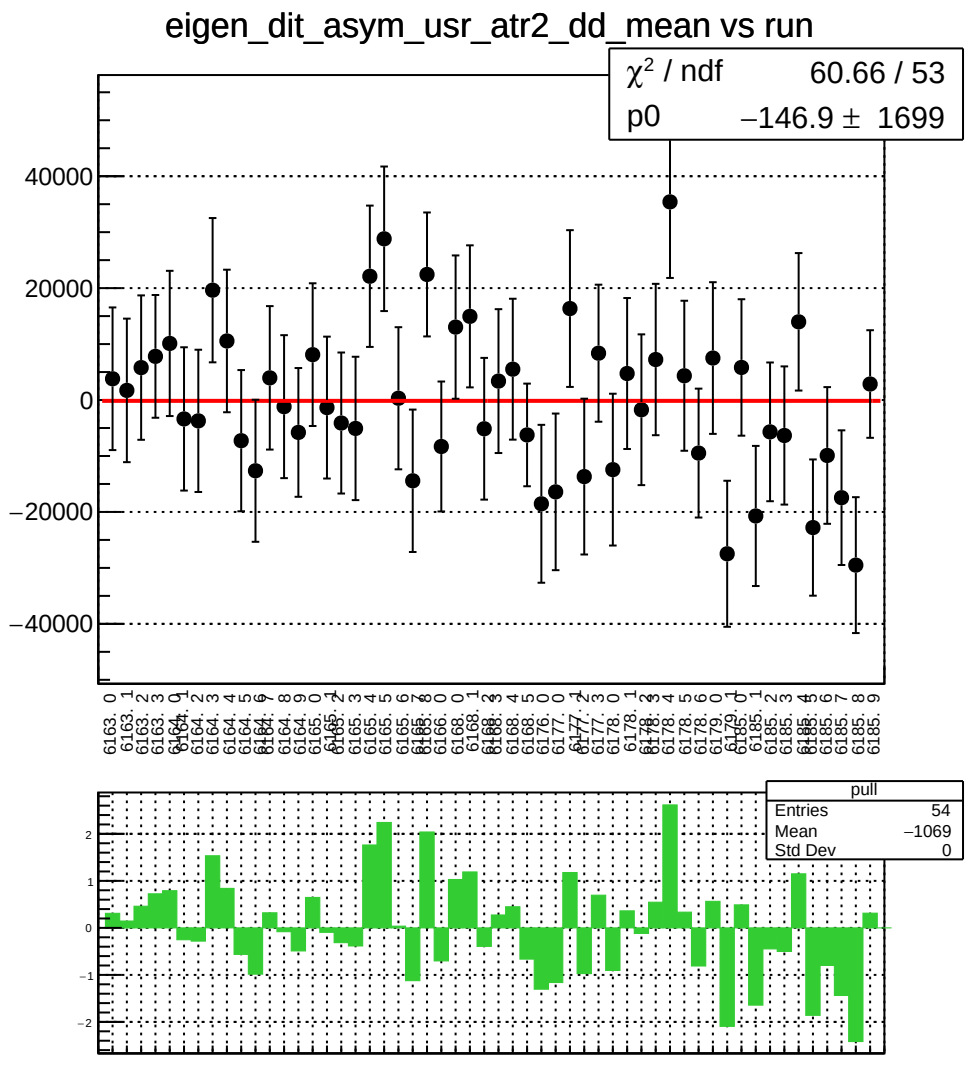

pull1D
Entries 54
Mean 0.004565
Std Dev 1.06
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

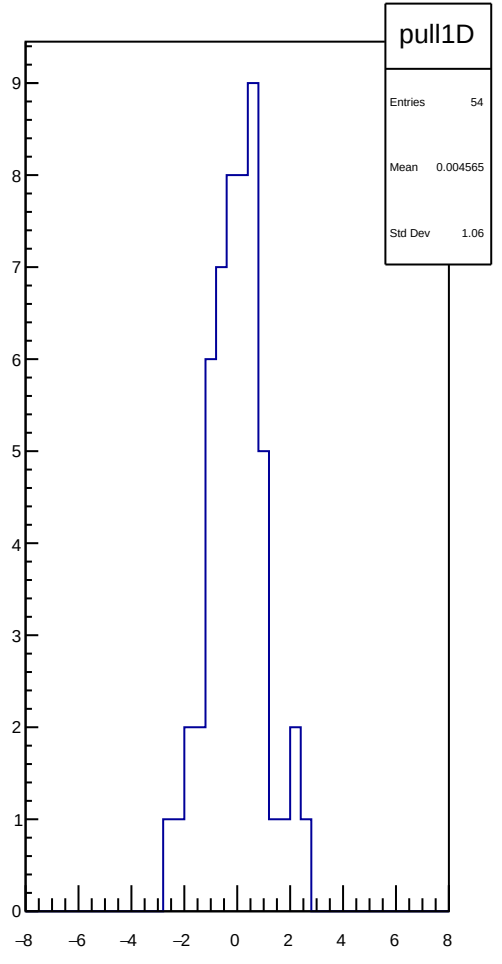

dit_asym_usr_atr2_dd_rms vs run
χ² / ndf 1575 / 53
p0 1220 ± 1.201
1350
1300
1250
1200
1150
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

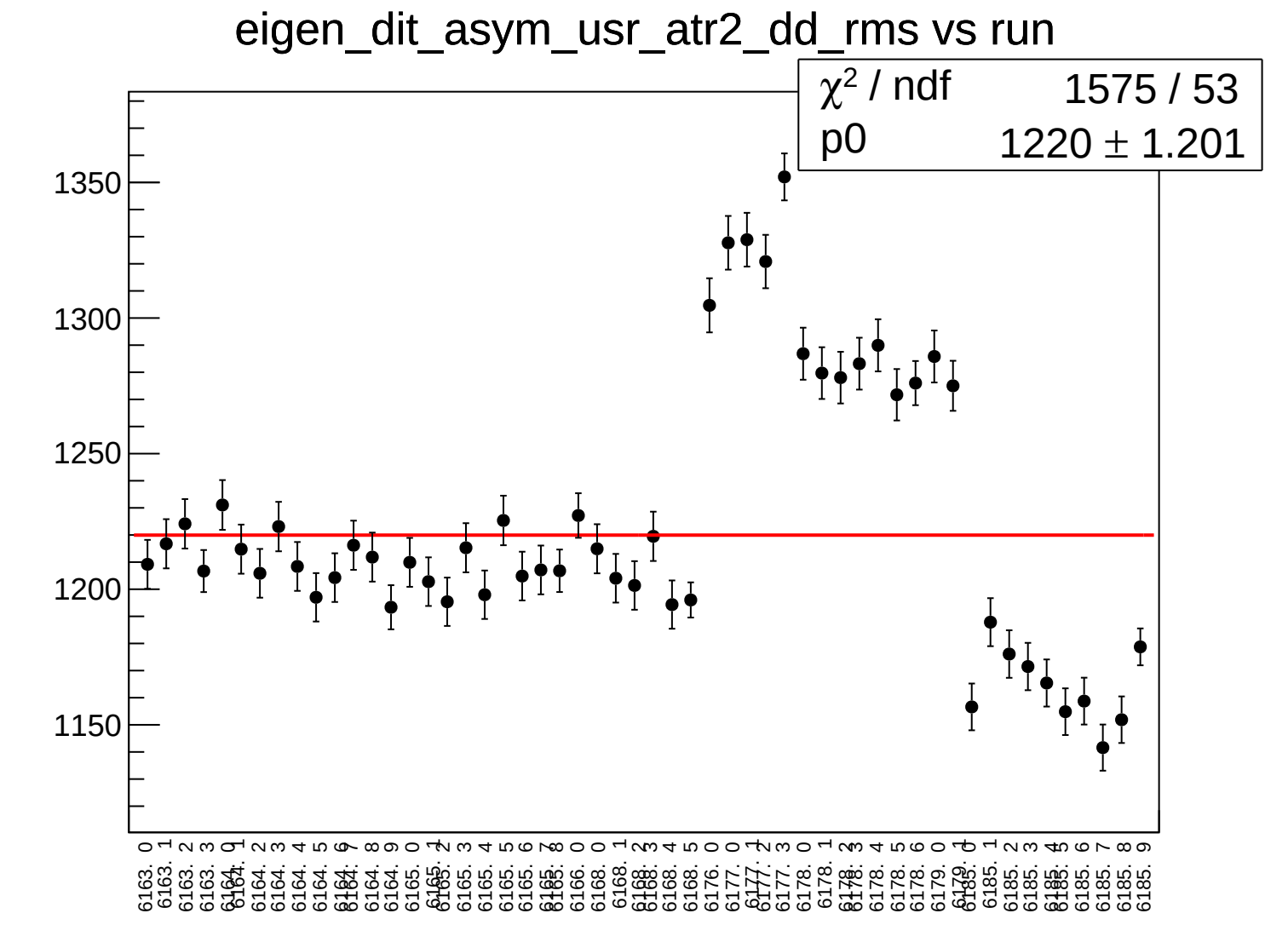

asym_usr_atr2_dd_dit_correction_mean vs run
×10^3
χ² / ndf 55.21 / 53
p0 8832 ± 6426
200
150
100
50
0
−50
−100
−150
−200
pull
Entries 54
Mean 9.613
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

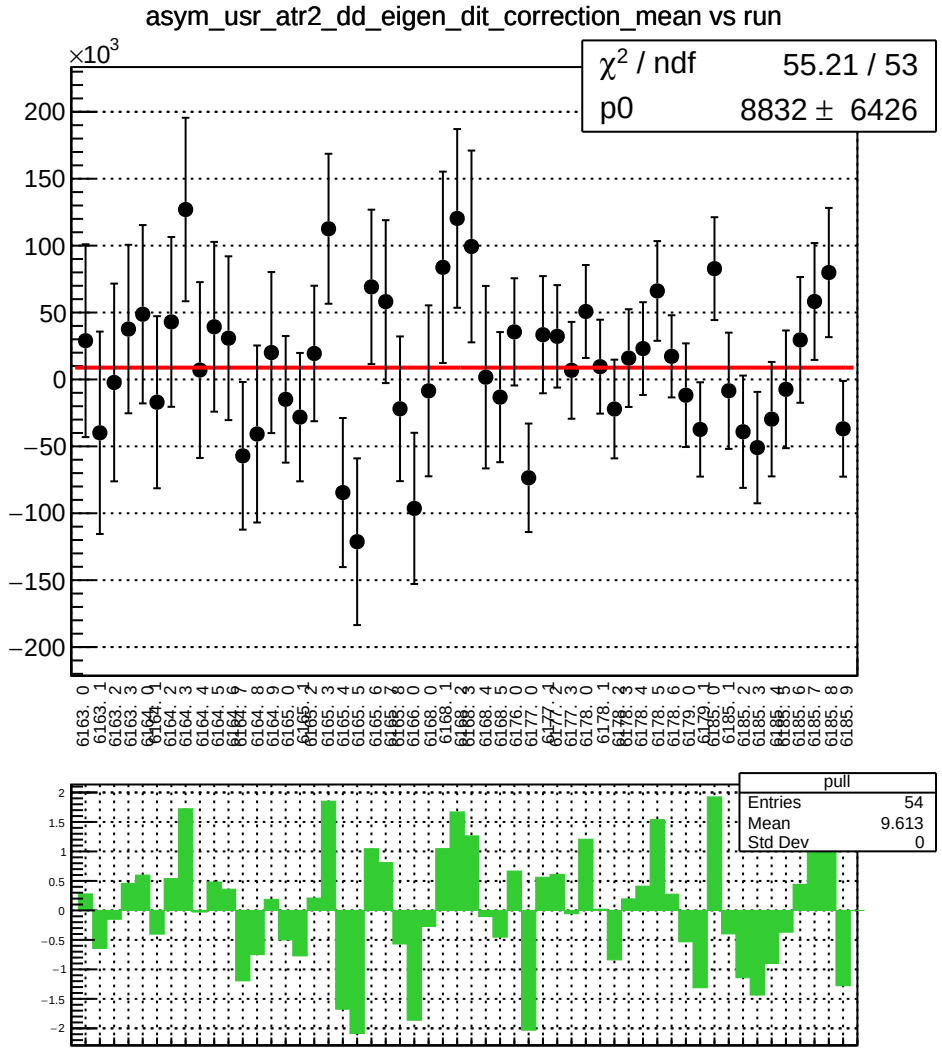

pull1D
Entries 54
Mean 0.02272
Std Dev 1.011
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

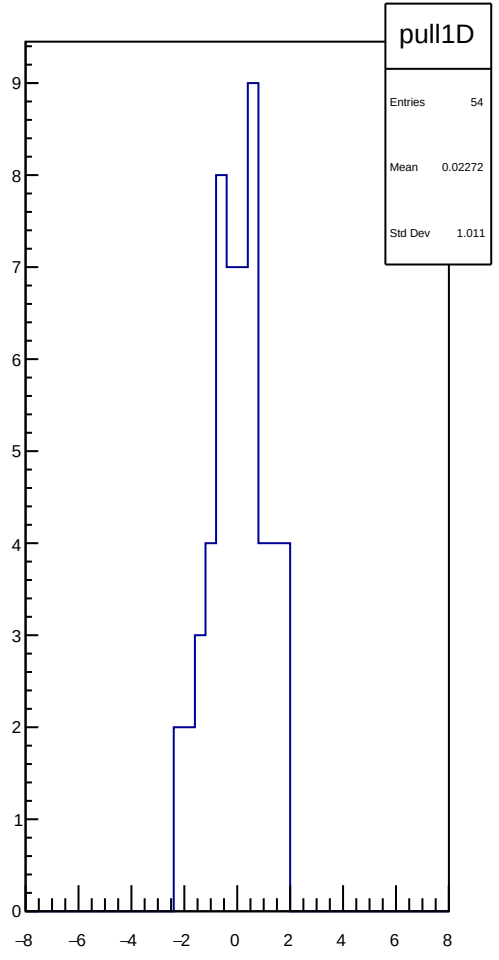

asym_usr_atr2_dd_dit_correction_rms vs run
χ² / ndf 6.165e+04 / 53
p0 4478 ± 4.544
7500
7000
6500
6000
5500
5000
4500
4000
3500
3000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

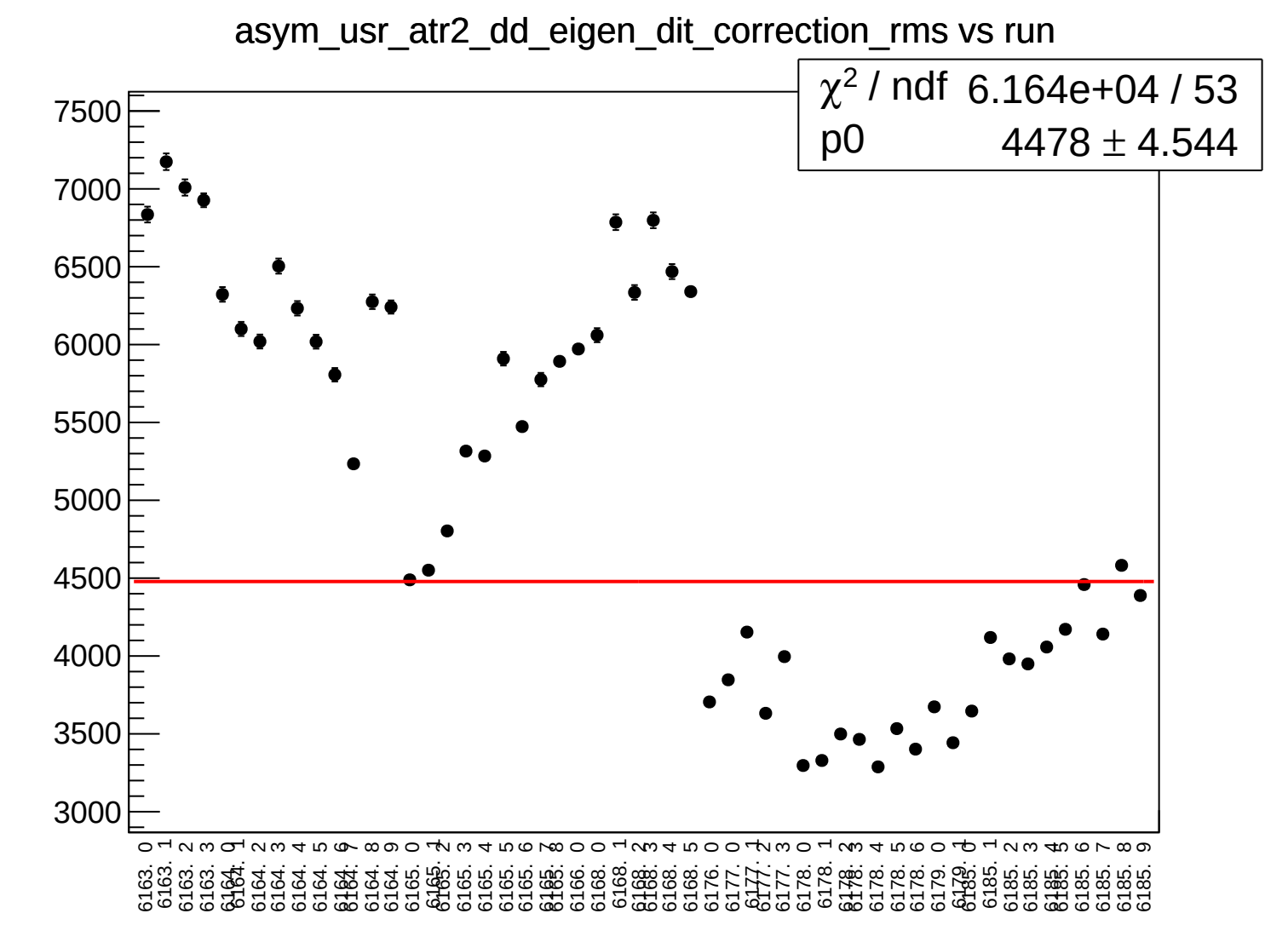

eigen_dit_asym_usr_atr2_dd_mean vs run
χ² / ndf 60.66 / 53
p0 −146.9 ± 1699
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −1069
Std Dev 0
2
1
0
−1
−2

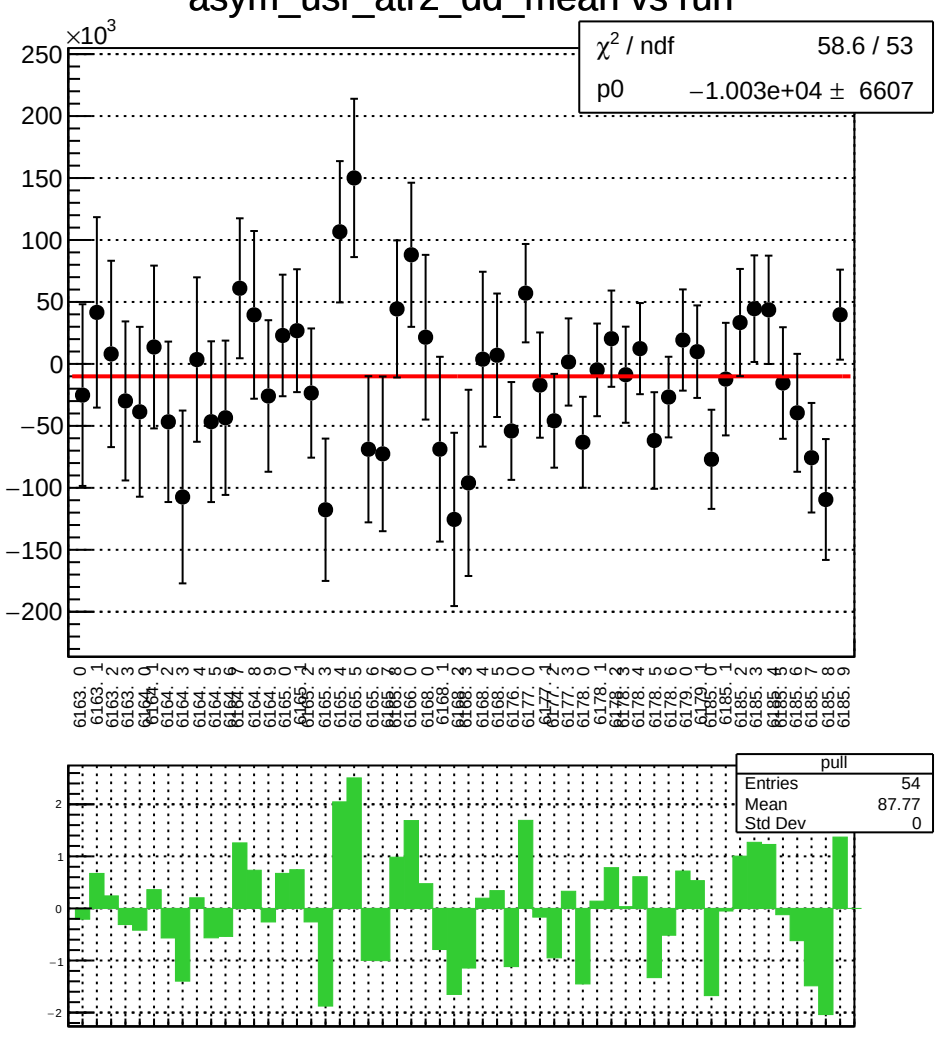

pull1D
Entries 54
Mean 0.004565
Std Dev 1.06
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

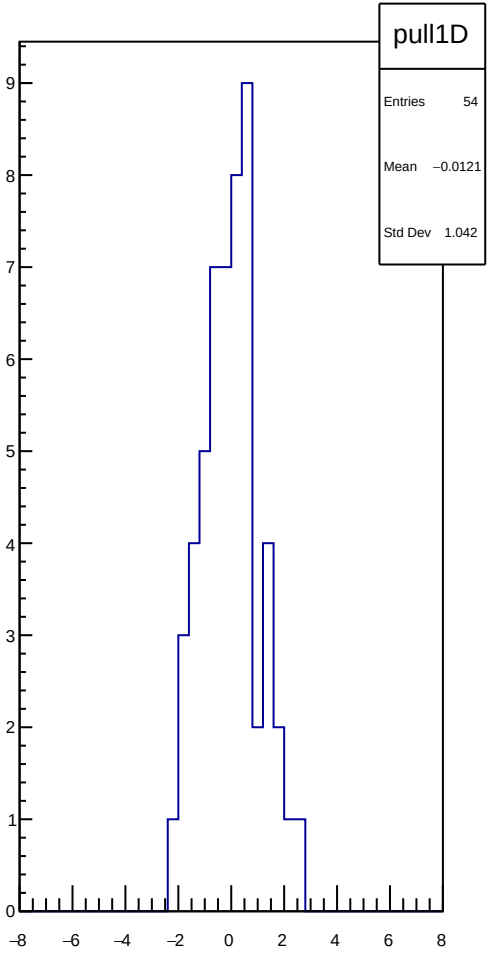

eigen_dit_asym_usr_atr2_dd_rms vs run
χ² / ndf 1575 / 53
p0 1220 ± 1.201
1350
1300
1250
1200
1150
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

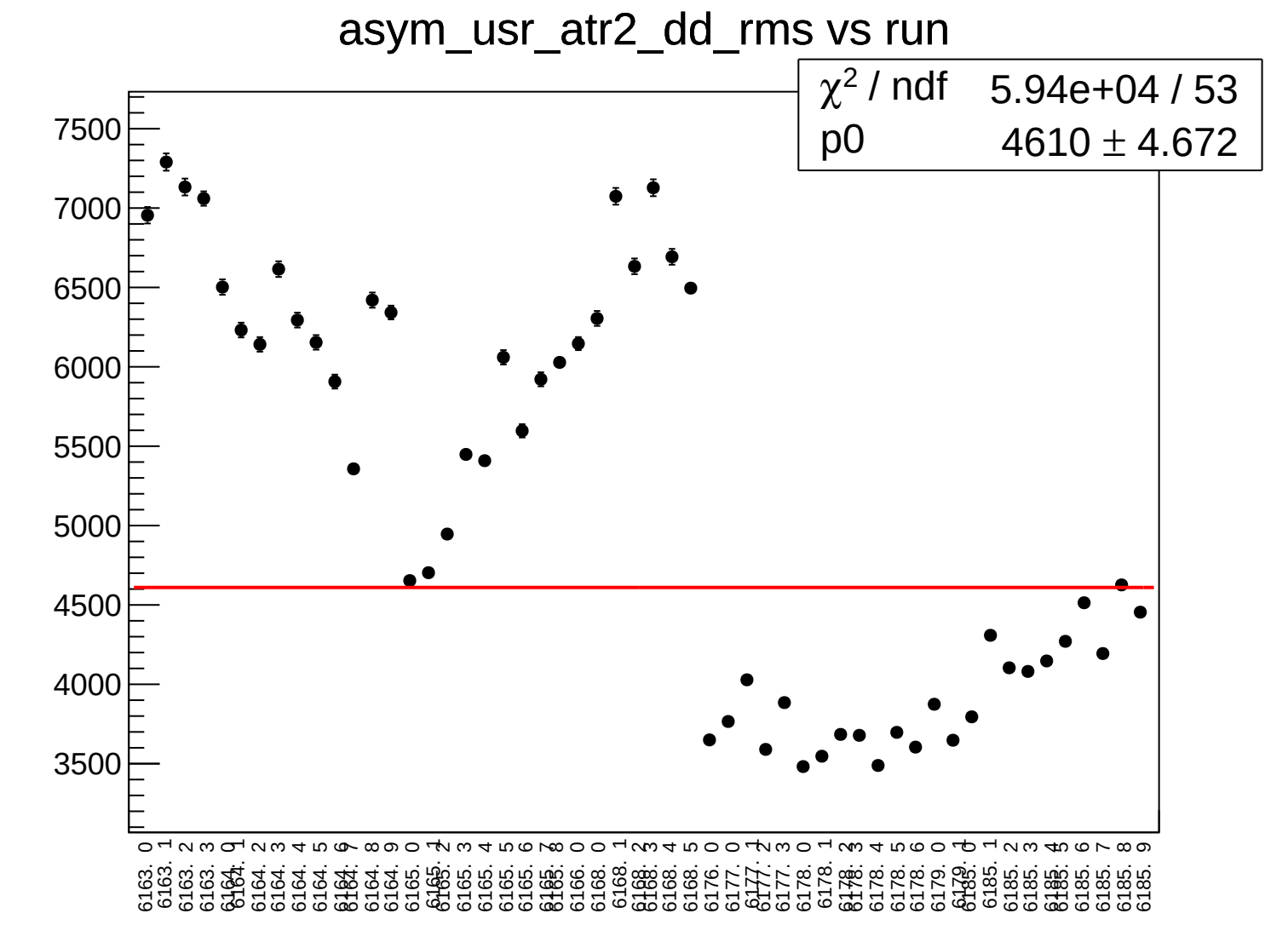

asym_usr_atr2_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 55.21 / 53
p0 8832 ± 6426
pull
Entries 54
Mean 9.613
Std Dev 0

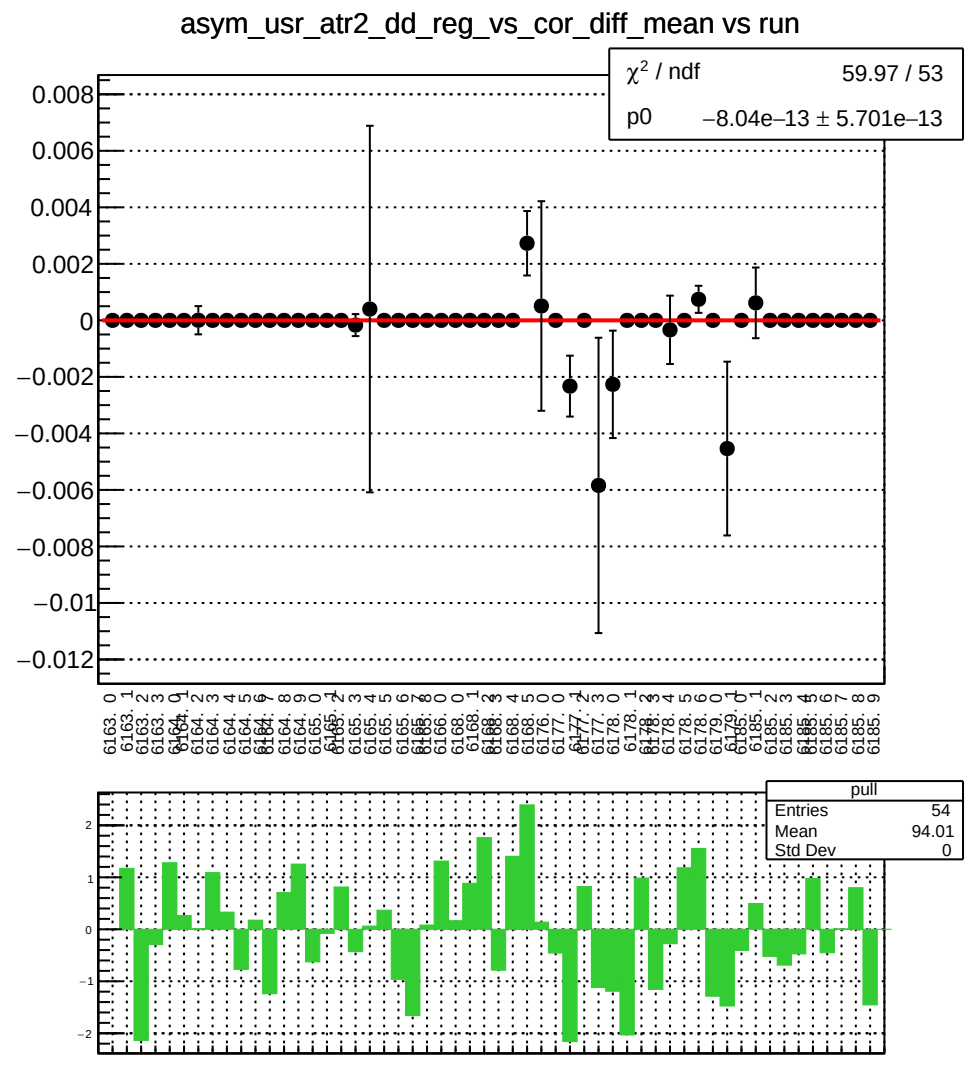

pull1D
Entries 54
Mean 0.02272
Std Dev 1.011

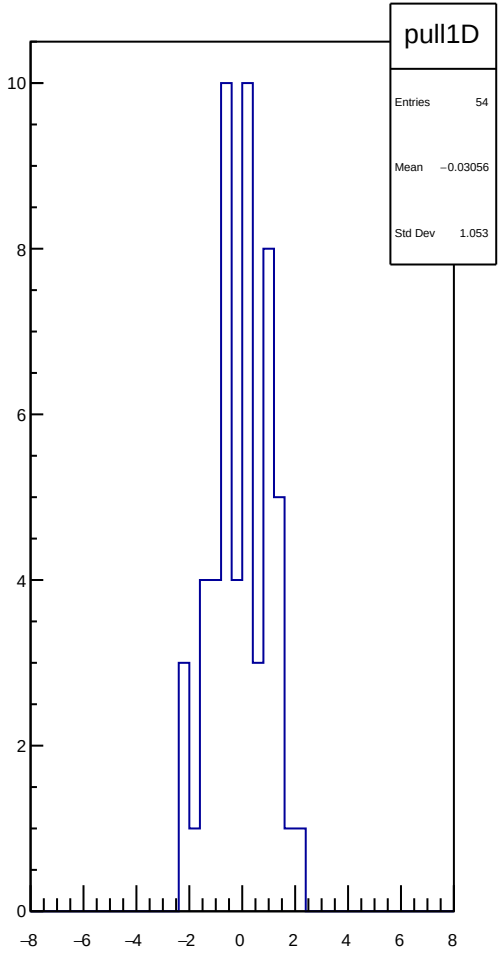

asym_usr_atr2_dd_eigen_dit_correction_rms vs run
χ² / ndf 6.164e+04 / 53
p0 4478 ± 4.544
7500
7000
6500
6000
5500
5000
4500
4000
3500
3000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

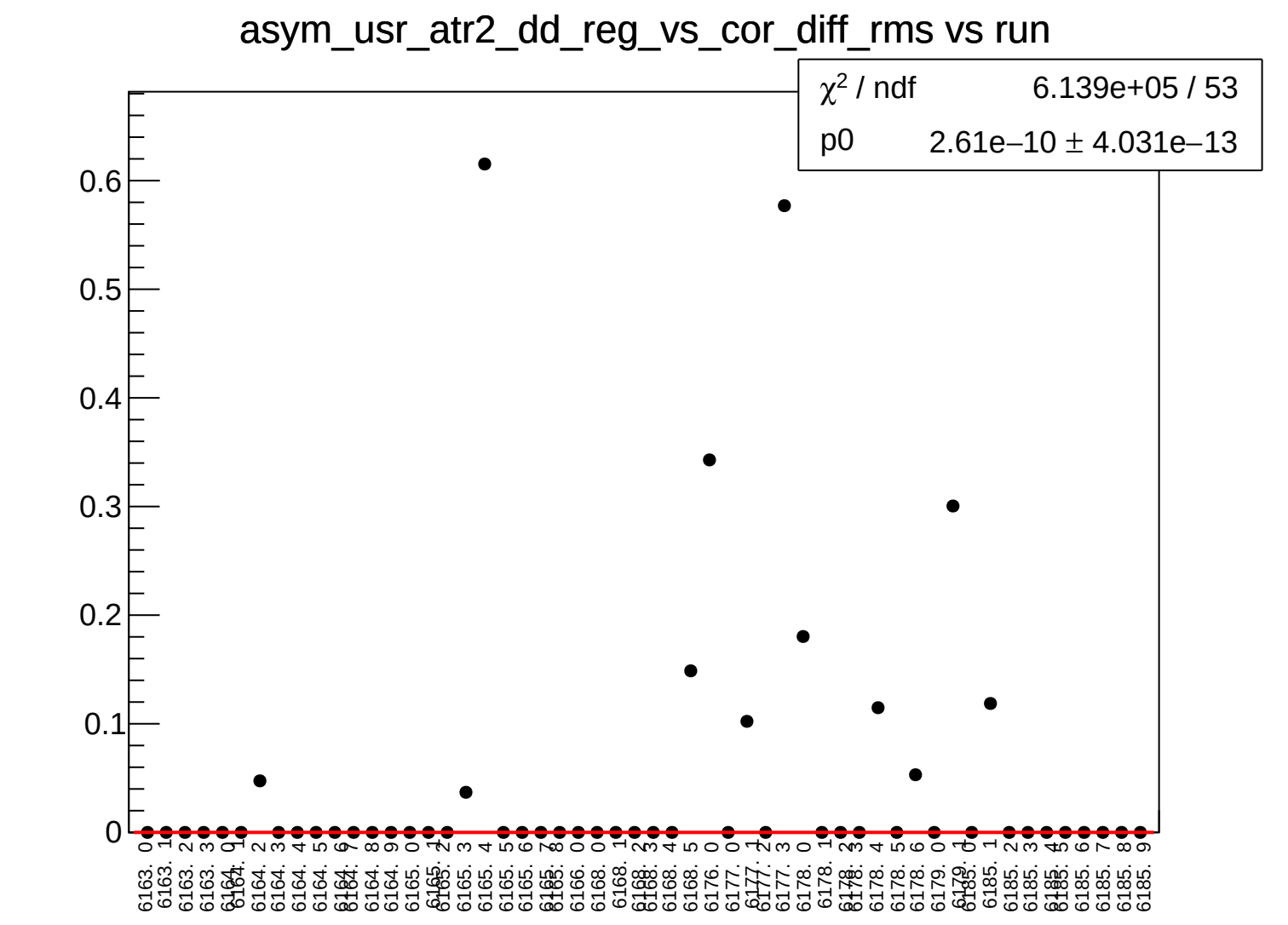

asym_usr_atr2_dd_mean vs run
×10^3
χ² / ndf 58.6 / 53
p0 −1.003e+04 ± 6607
pull
Entries 54
Mean 87.77
Std Dev 0

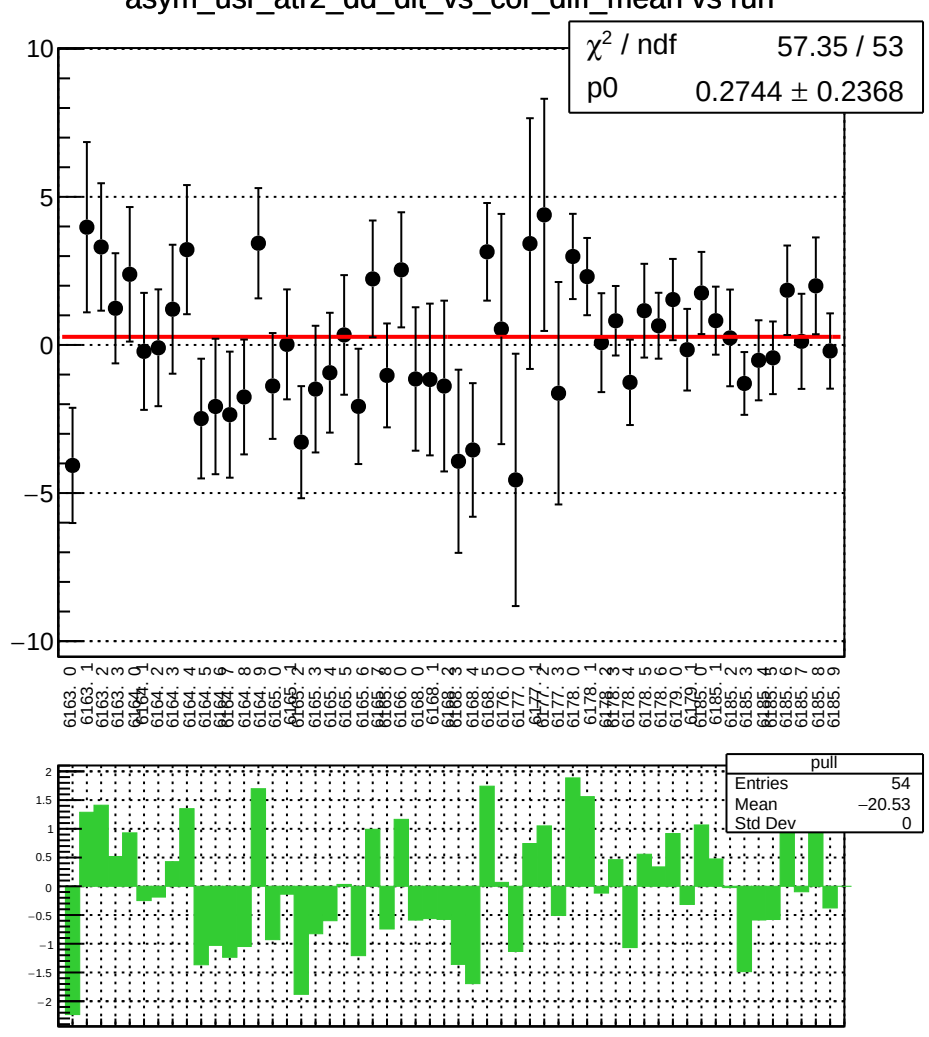

pull1D
Entries 54
Mean −0.0121
Std Dev 1.042

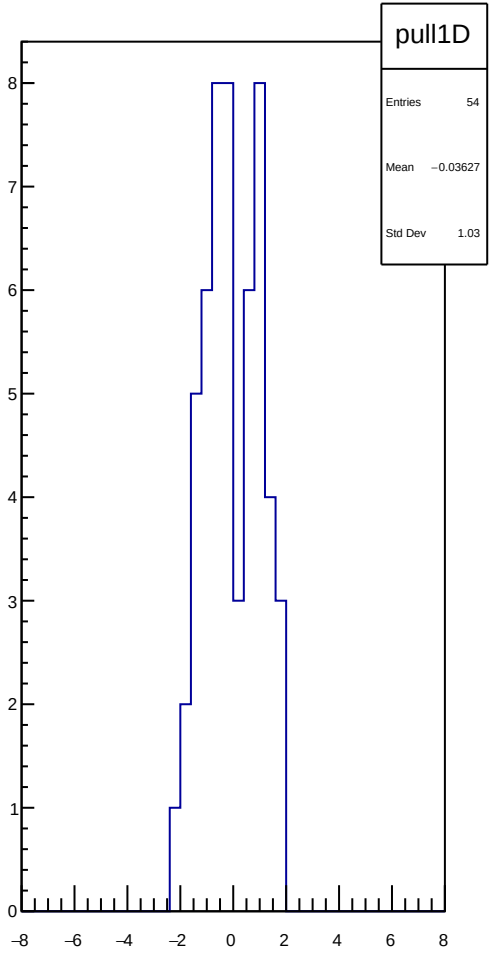

asym_usr_atr2_dd_rms vs run
χ² / ndf 5.94e+04 / 53
p0 4610 ± 4.672
7500
7000
6500
6000
5500
5000
4500
4000
3500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

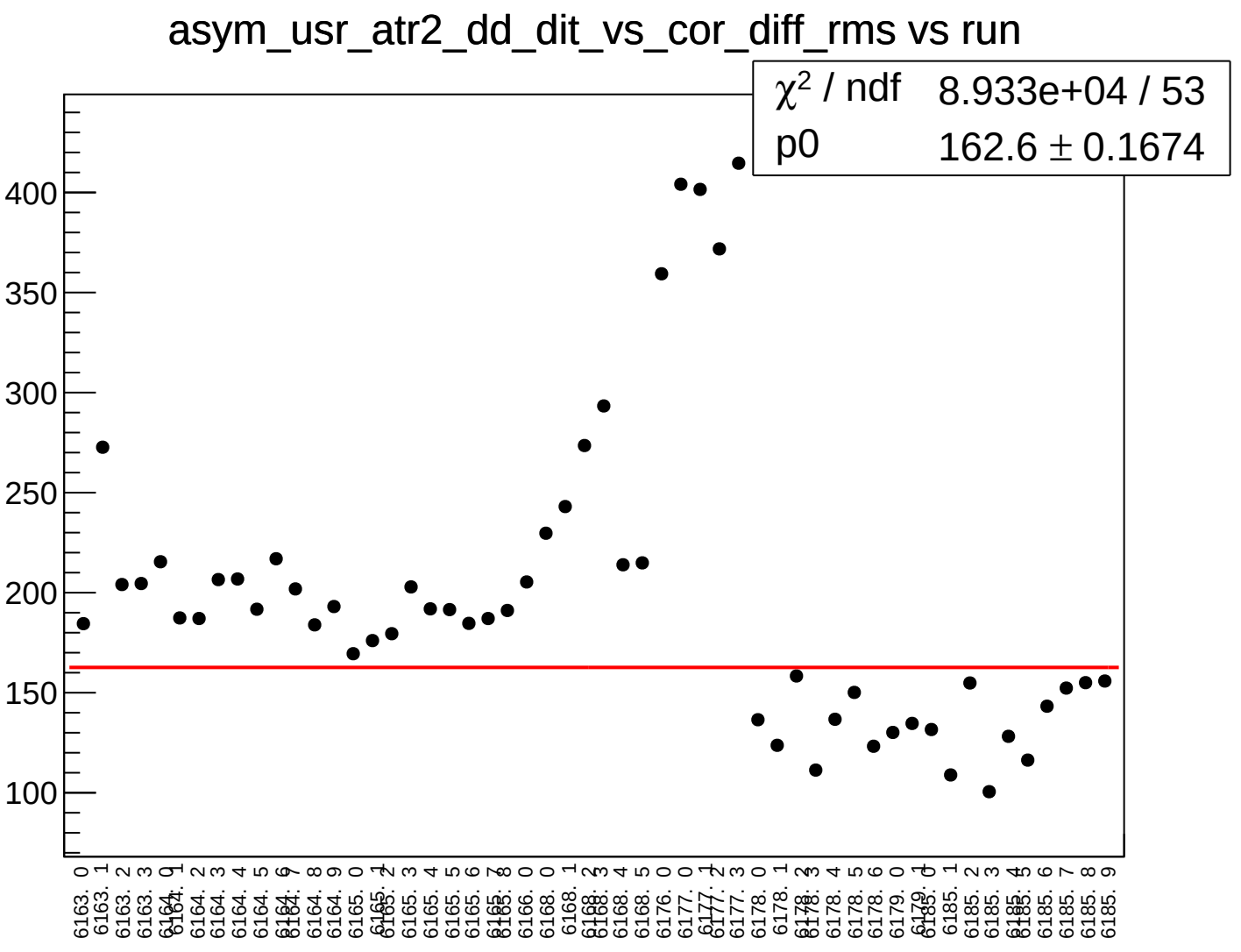

asym_usr_atr2_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 59.97 / 53
p0 −8.04e−13 ± 5.701e−13
pull
Entries 54
Mean 94.01
Std Dev 0

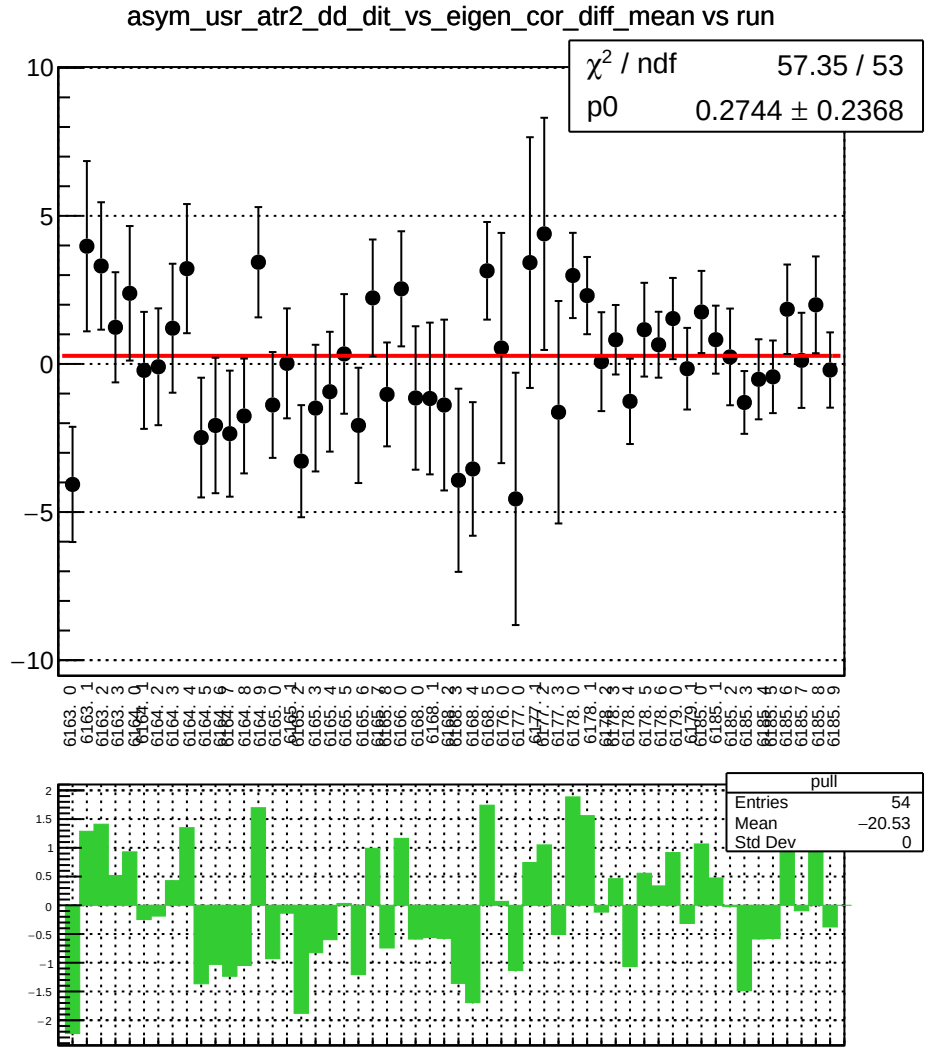

pull1D
Entries 54
Mean −0.03056
Std Dev 1.053

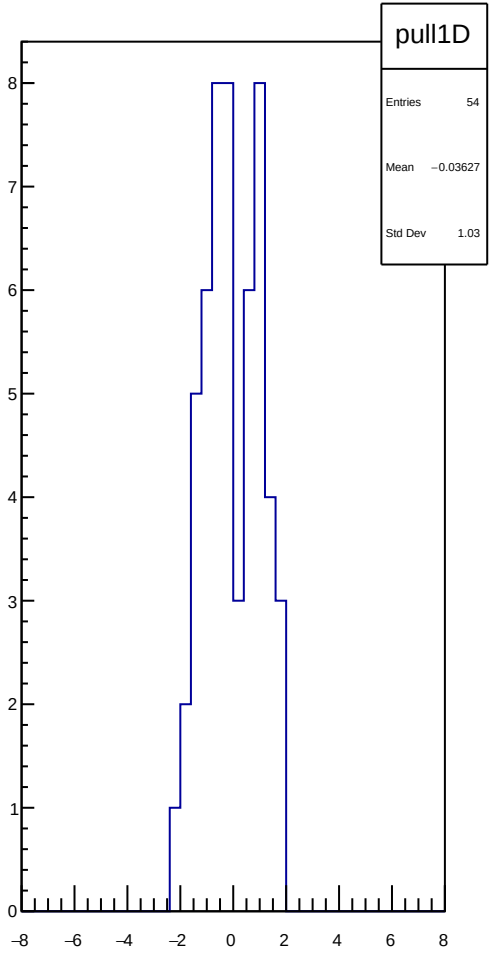

asym_usr_atr2_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.139e+05 / 53
p0 2.61e−10 ± 4.031e−13
0.6
0.5
0.4
0.3
0.2
0.1
0
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6165. 7
6166. 0
6168. 1
6168. 2
6168. 3
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

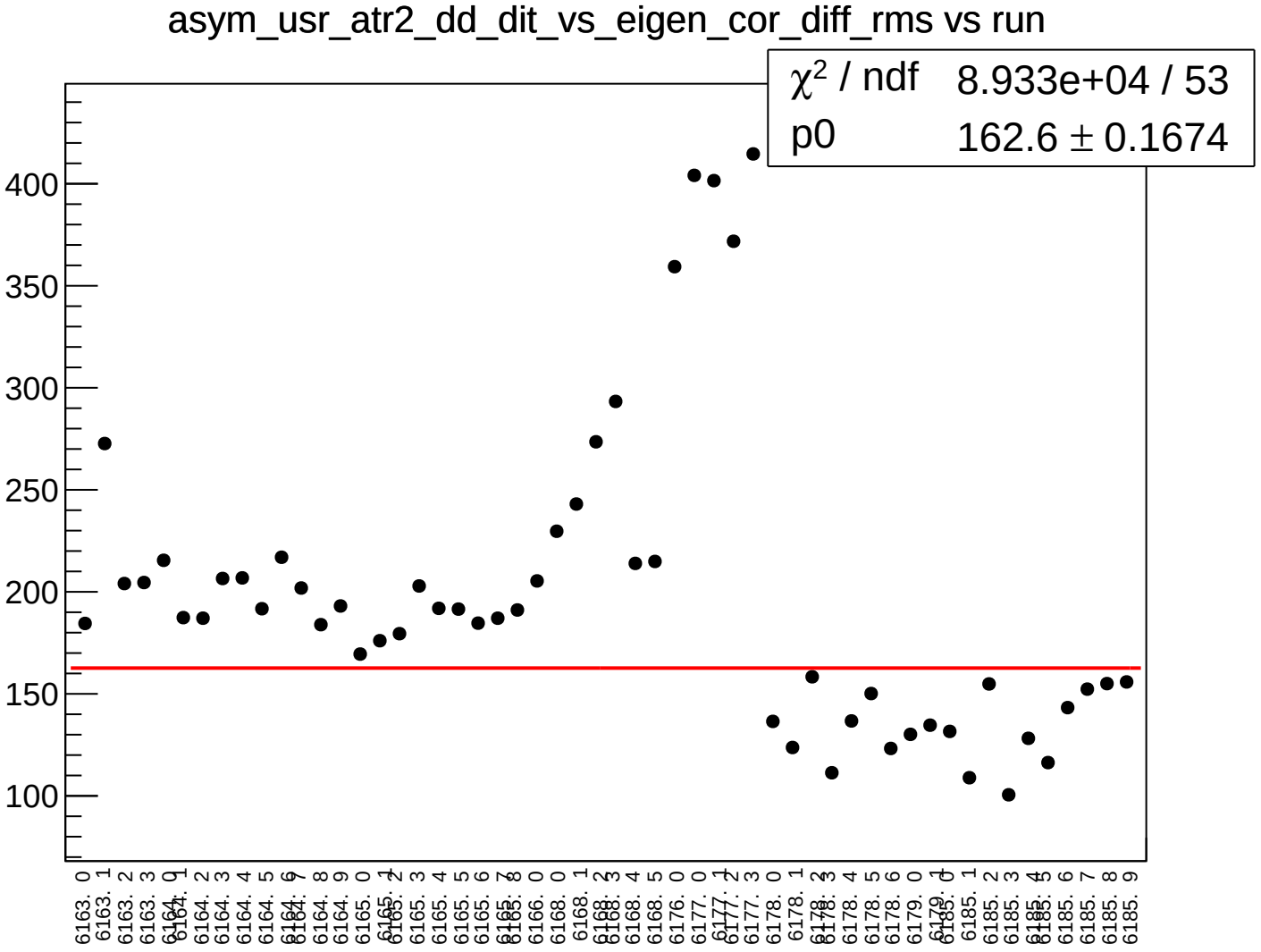

asym_usr_atr2_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 57.35 / 53
p0 0.2744 ± 0.2368
pull
Entries 54
Mean −20.53
Std Dev 0

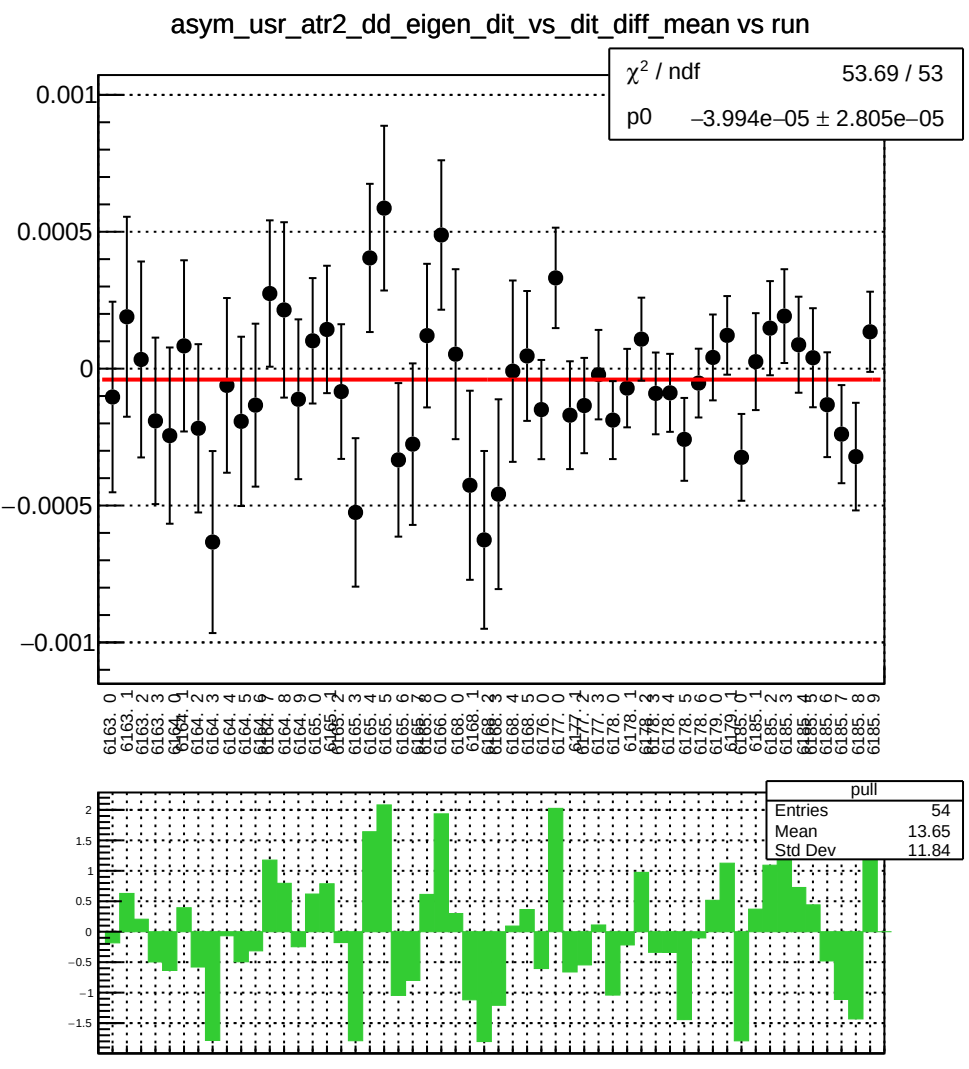

pull1D
Entries 54
Mean −0.03627
Std Dev 1.03

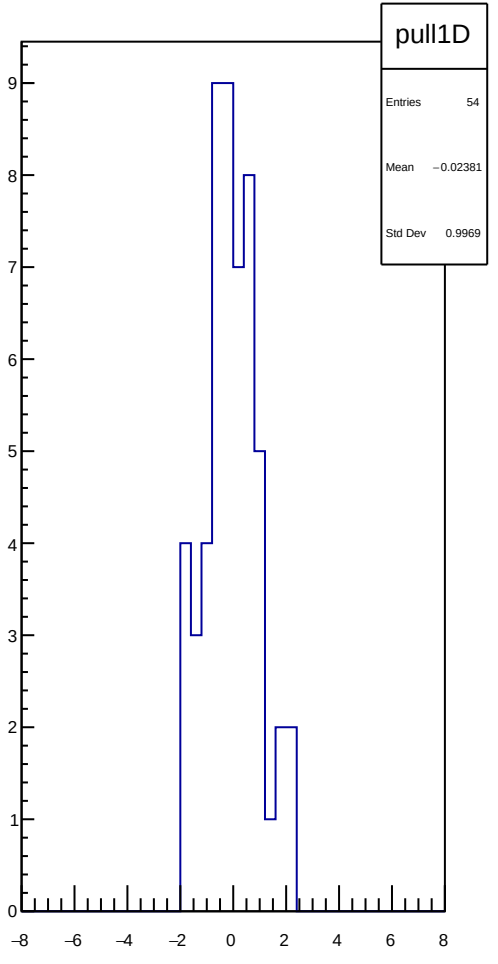

asym_usr_atr2_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 8.933e+04 / 53
p0 162.6 ± 0.1674
400
350
300
250
200
150
100
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

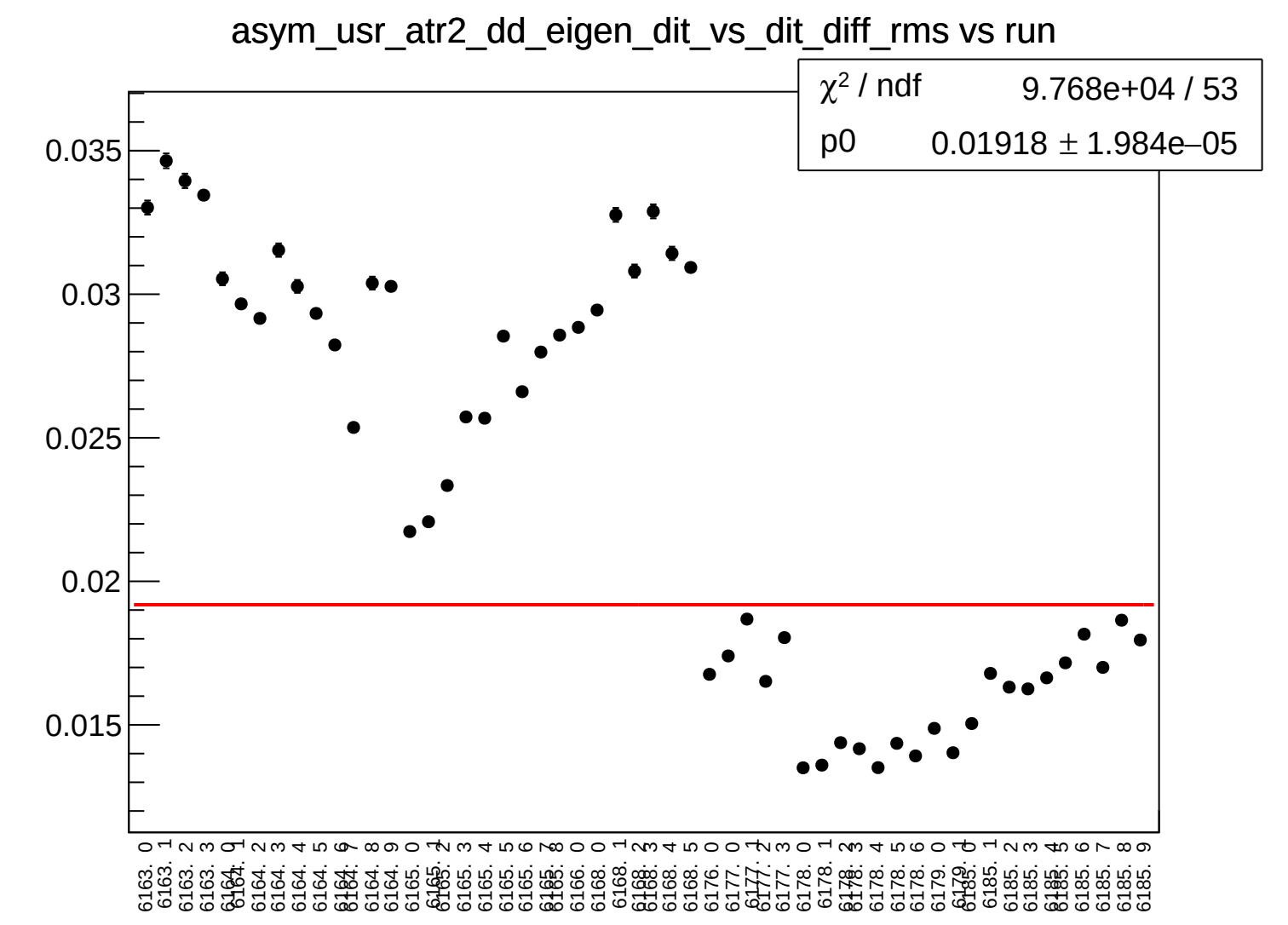

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 57.35 / 53
p0 0.2744 ± 0.2368
pull
Entries 54
Mean −20.53
Std Dev 0

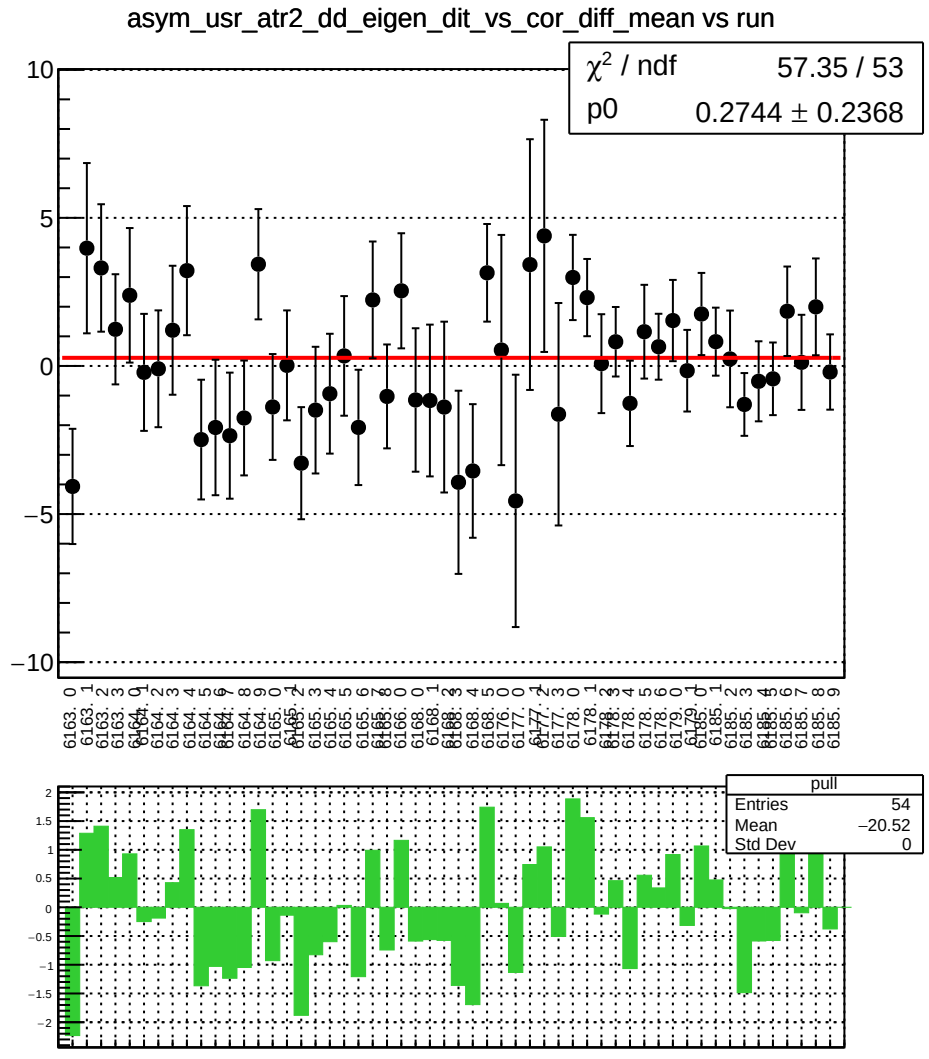

pull1D
Entries 54
Mean −0.03627
Std Dev 1.03

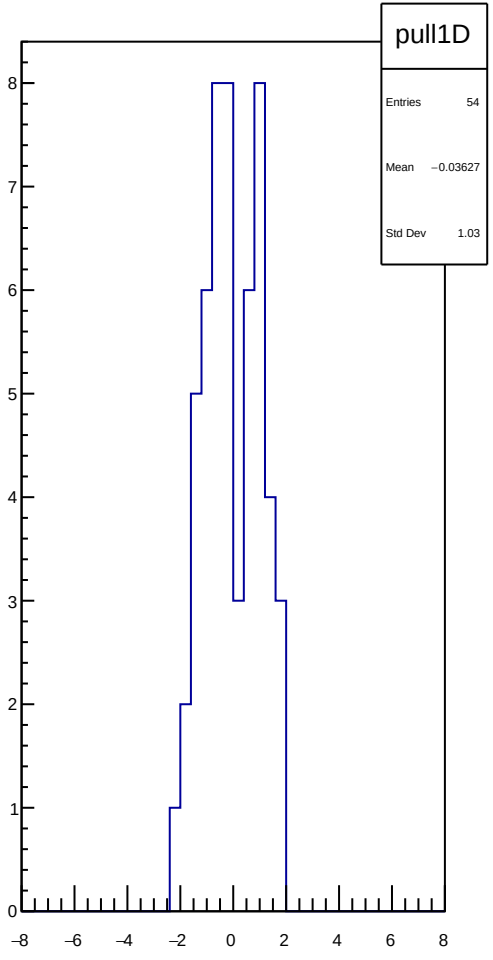

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.933e+04 / 53
p0 162.6 ± 0.1674
400
350
300
250
200
150
100
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

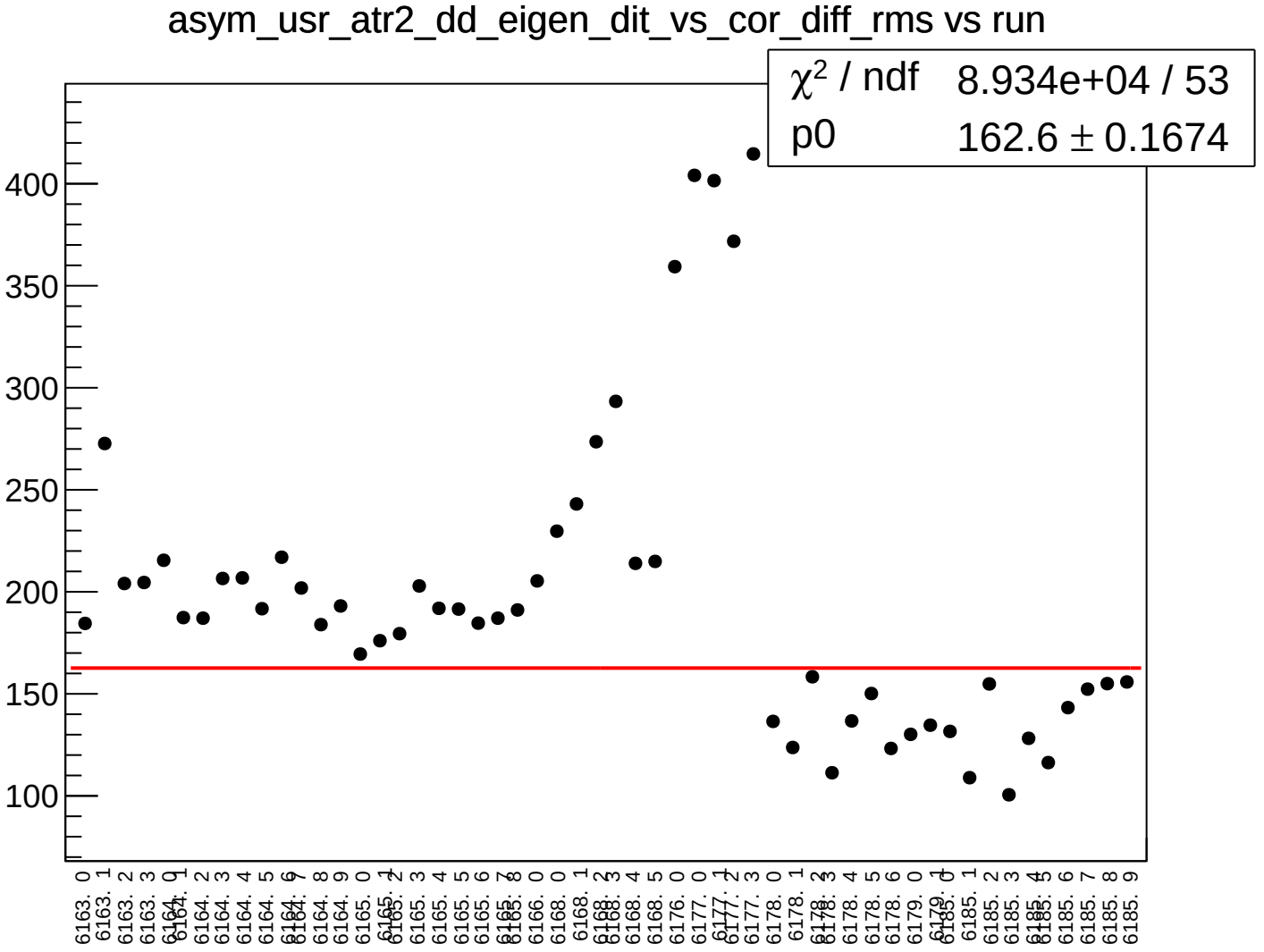

asym_usr_atr2_dd_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 53.69 / 53
p0 −3.994e−05 ± 2.805e−05
0.001
0.0005
0
−0.0005
−0.001
pull
Entries 54
Mean 13.65
Std Dev 11.84
2
1.5
1
0.5
0
−0.5
−1
−1.5

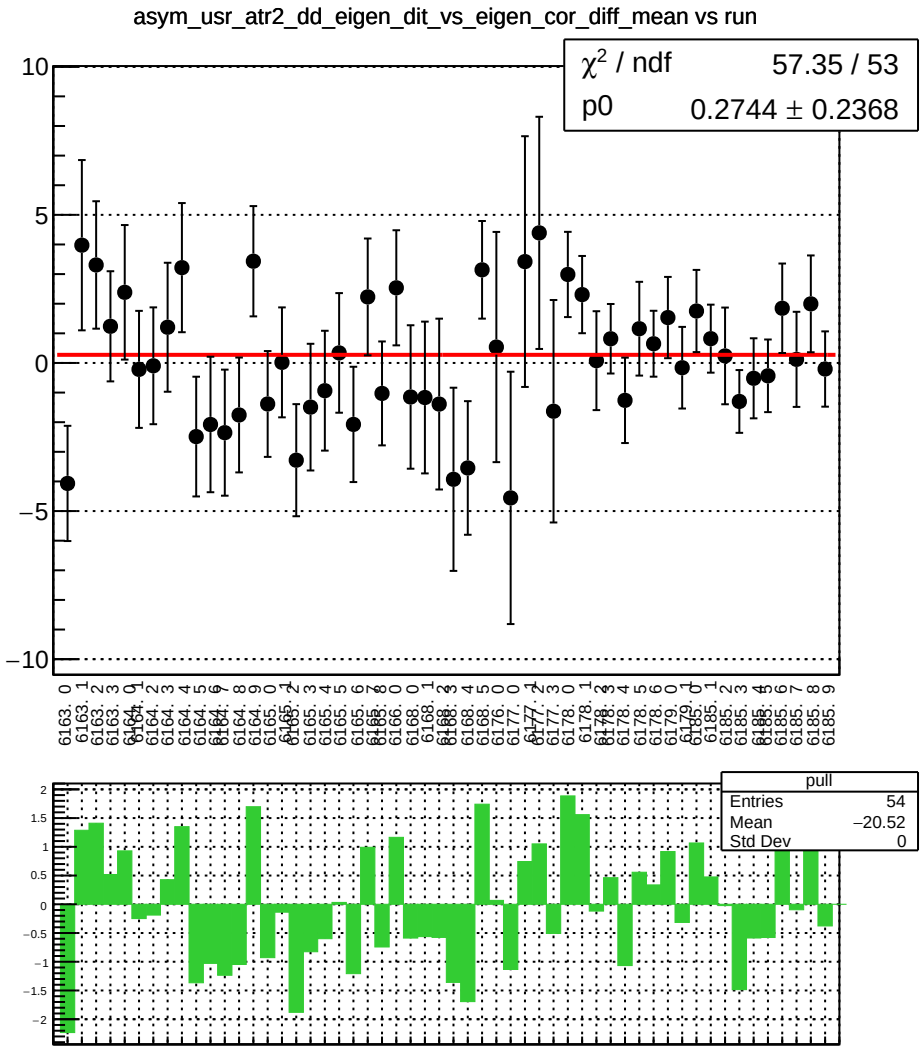

pull1D
Entries 54
Mean −0.02381
Std Dev 0.9969
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

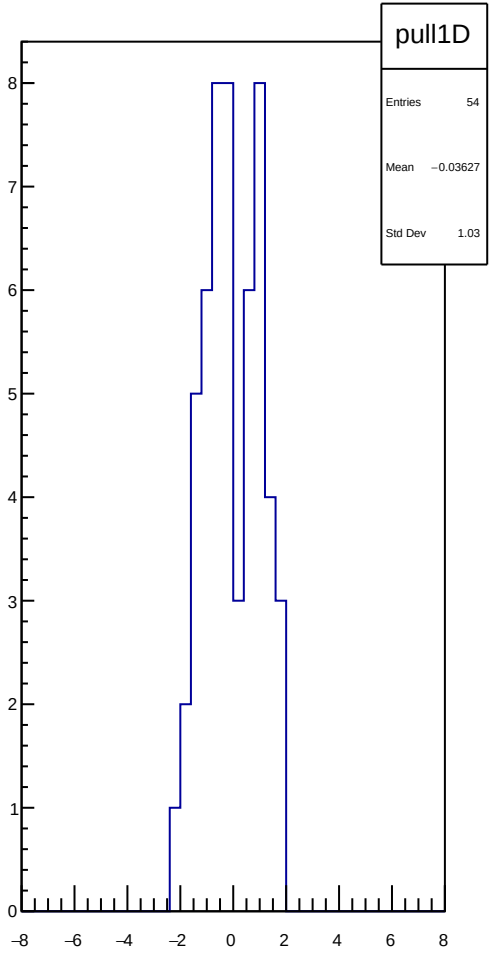

asym_usr_atr2_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 9.768e+04 / 53
p0 0.01918 ± 1.984e−05
0.035
0.03
0.025
0.02
0.015
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

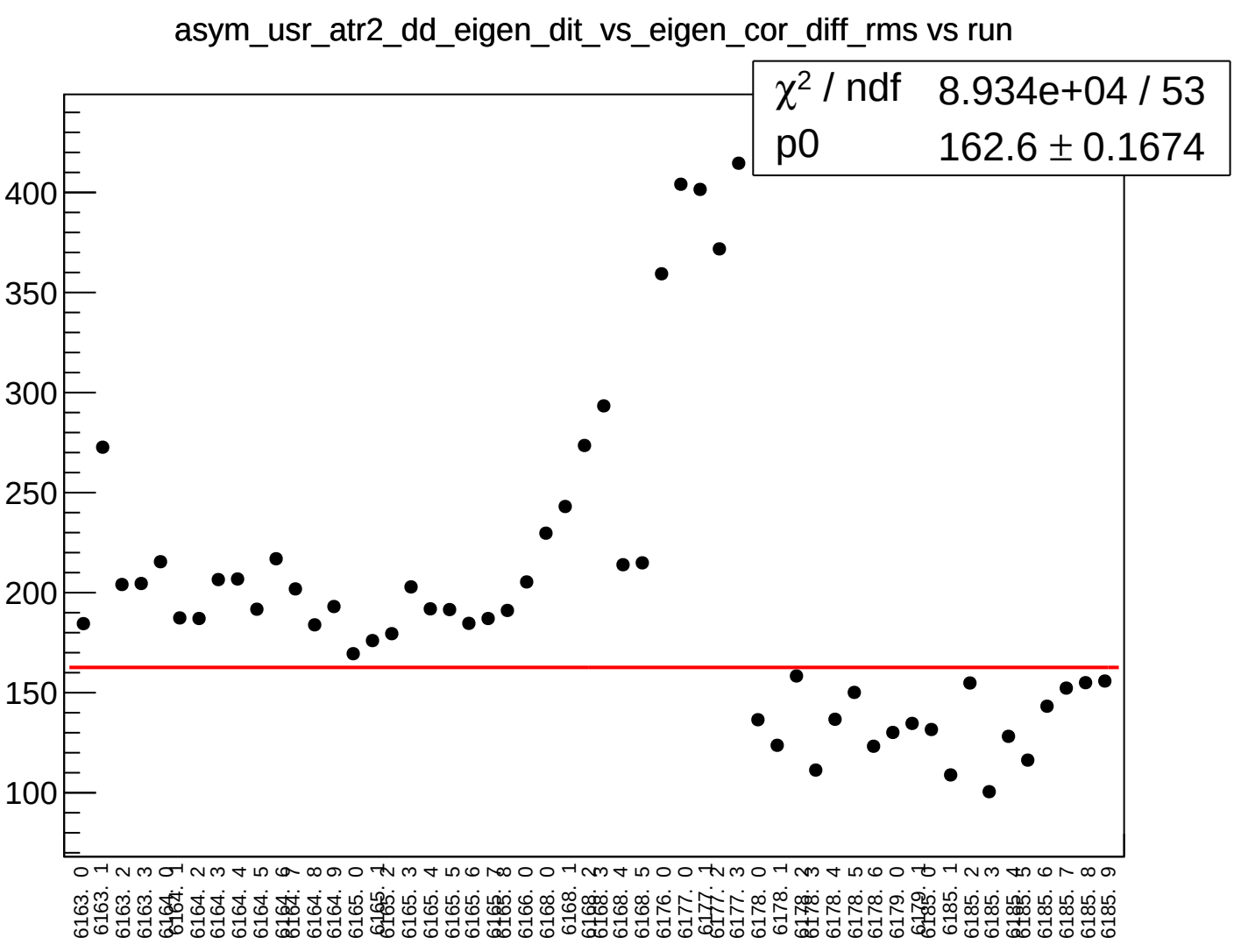

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 57.35 / 53
p0 0.2744 ± 0.2368
pull
Entries 54
Mean −20.52
Std Dev 0

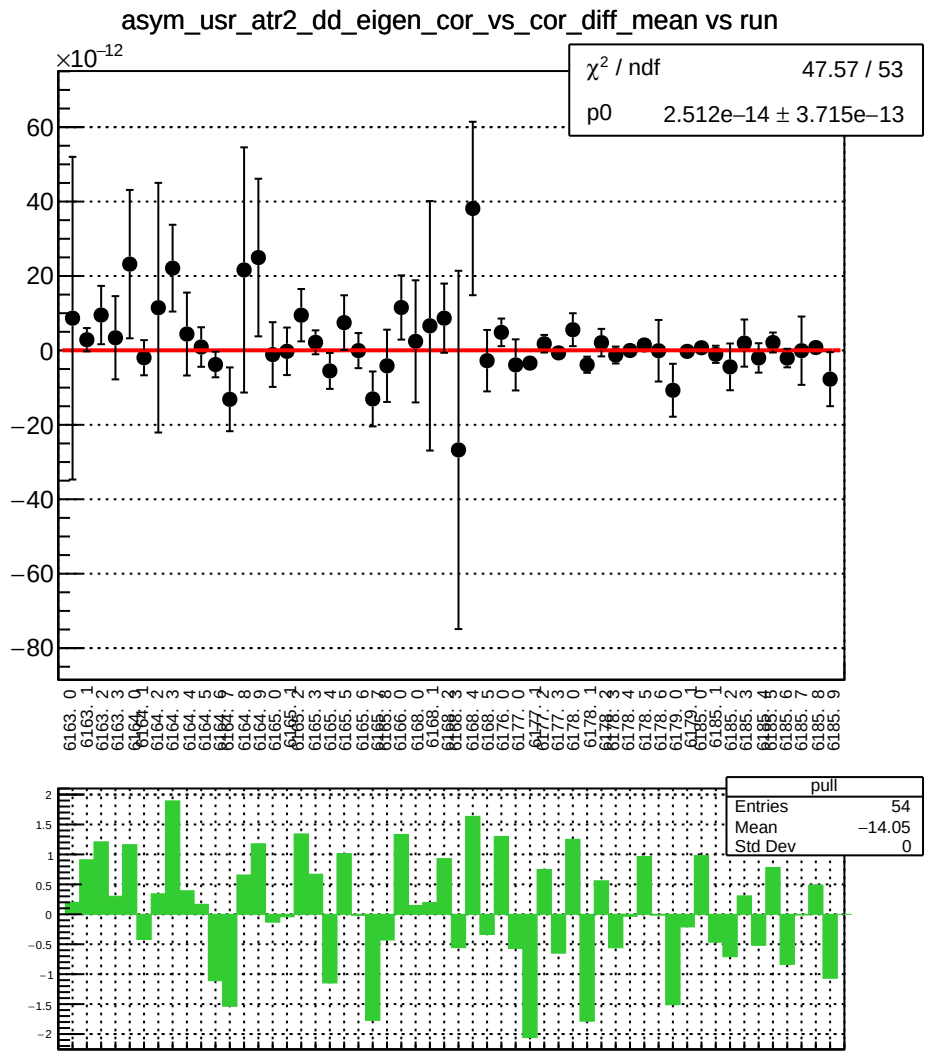

pull1D
Entries 54
Mean −0.03627
Std Dev 1.03

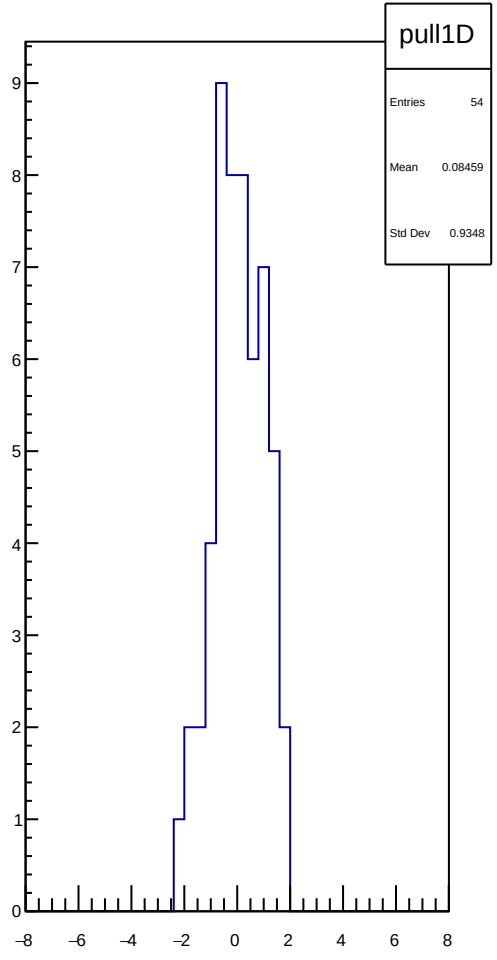

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 8.934e+04 / 53
p0 162.6 ± 0.1674
400
350
300
250
200
150
100
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

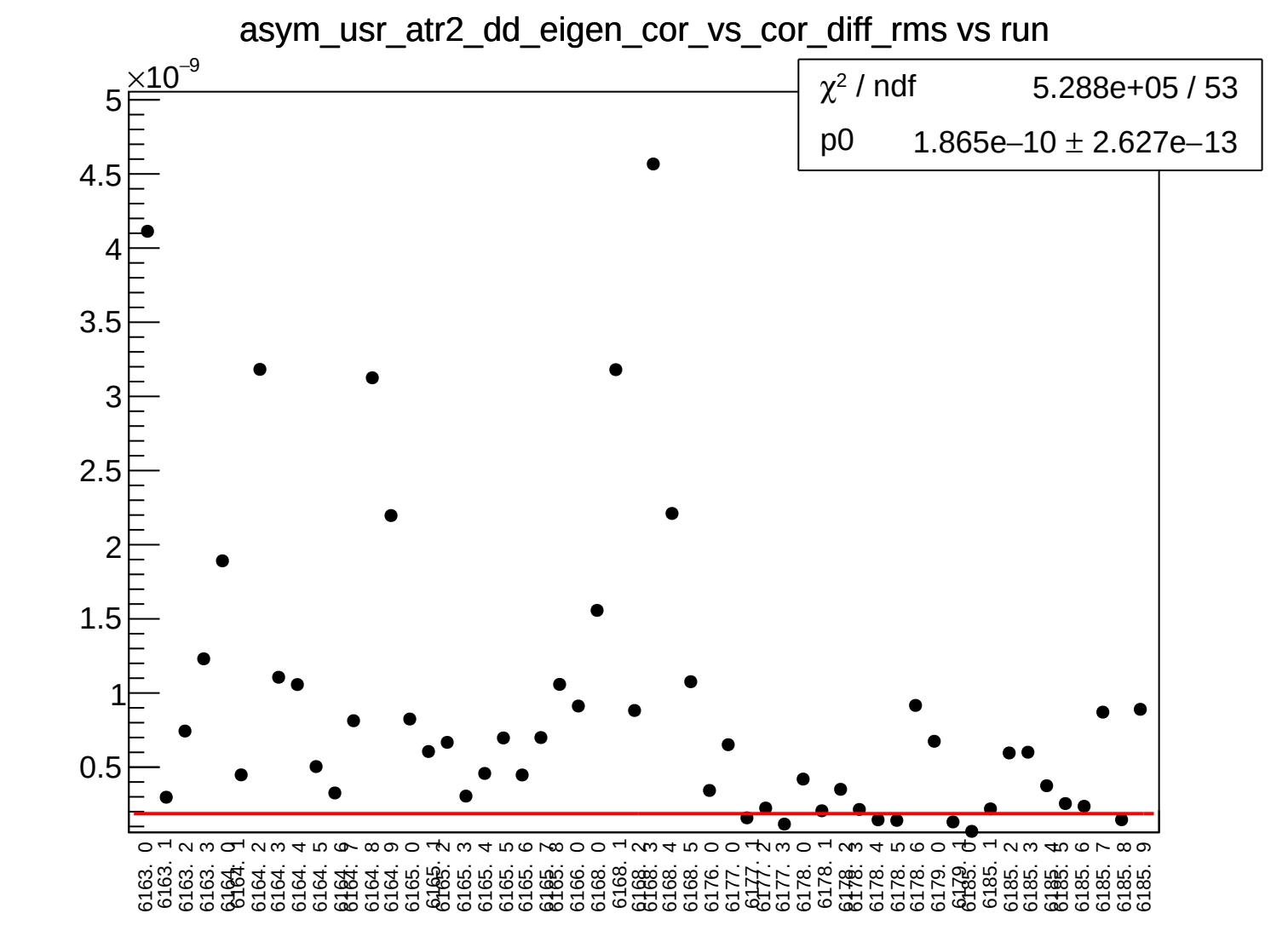

asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 57.35 / 53
p0 0.2744 ± 0.2368
pull
Entries 54
Mean −20.52
Std Dev 0

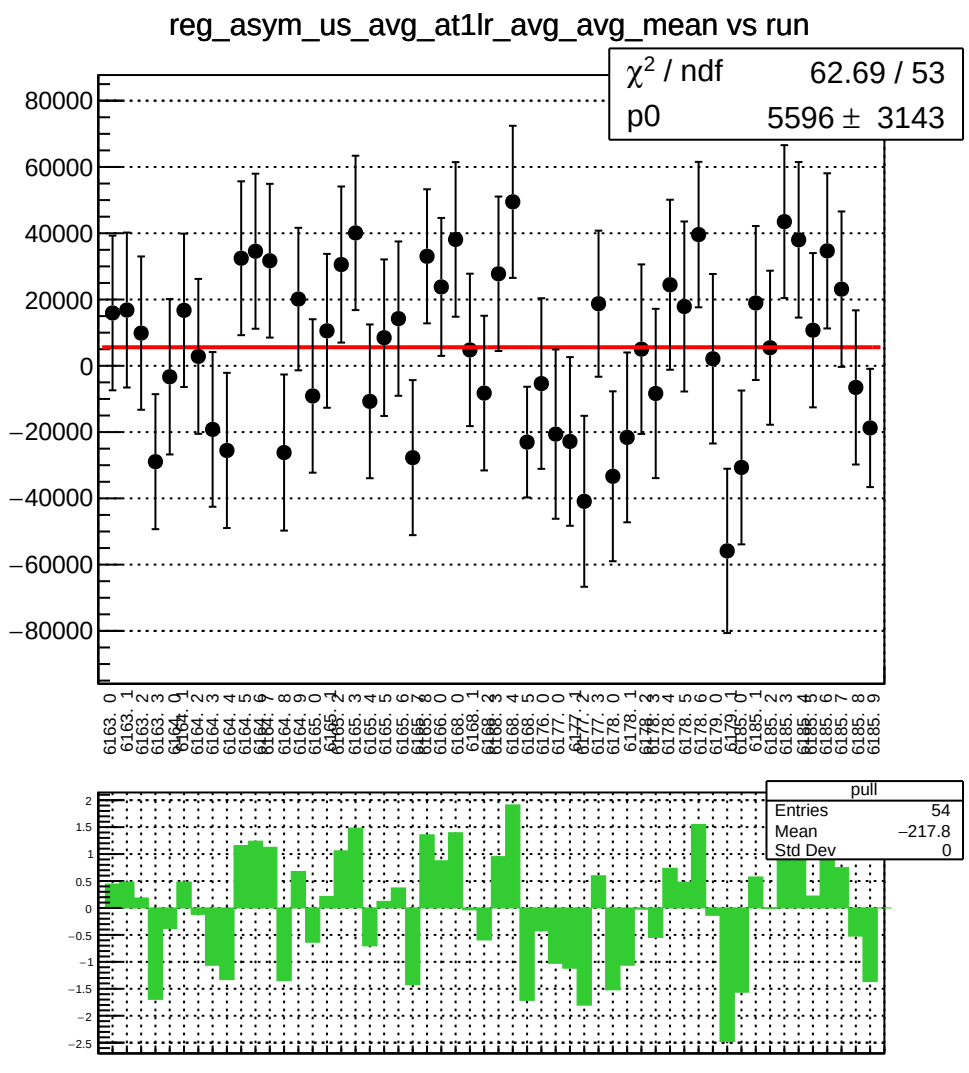

pull1D
Entries 54
Mean −0.03627
Std Dev 1.03

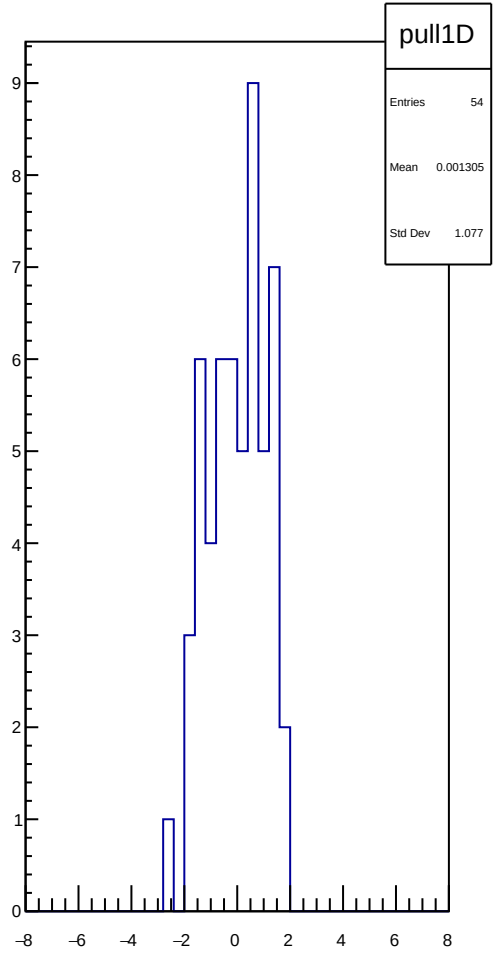

asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.934e+04 / 53
p0 162.6 ± 0.1674
400
350
300
250
200
150
100
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

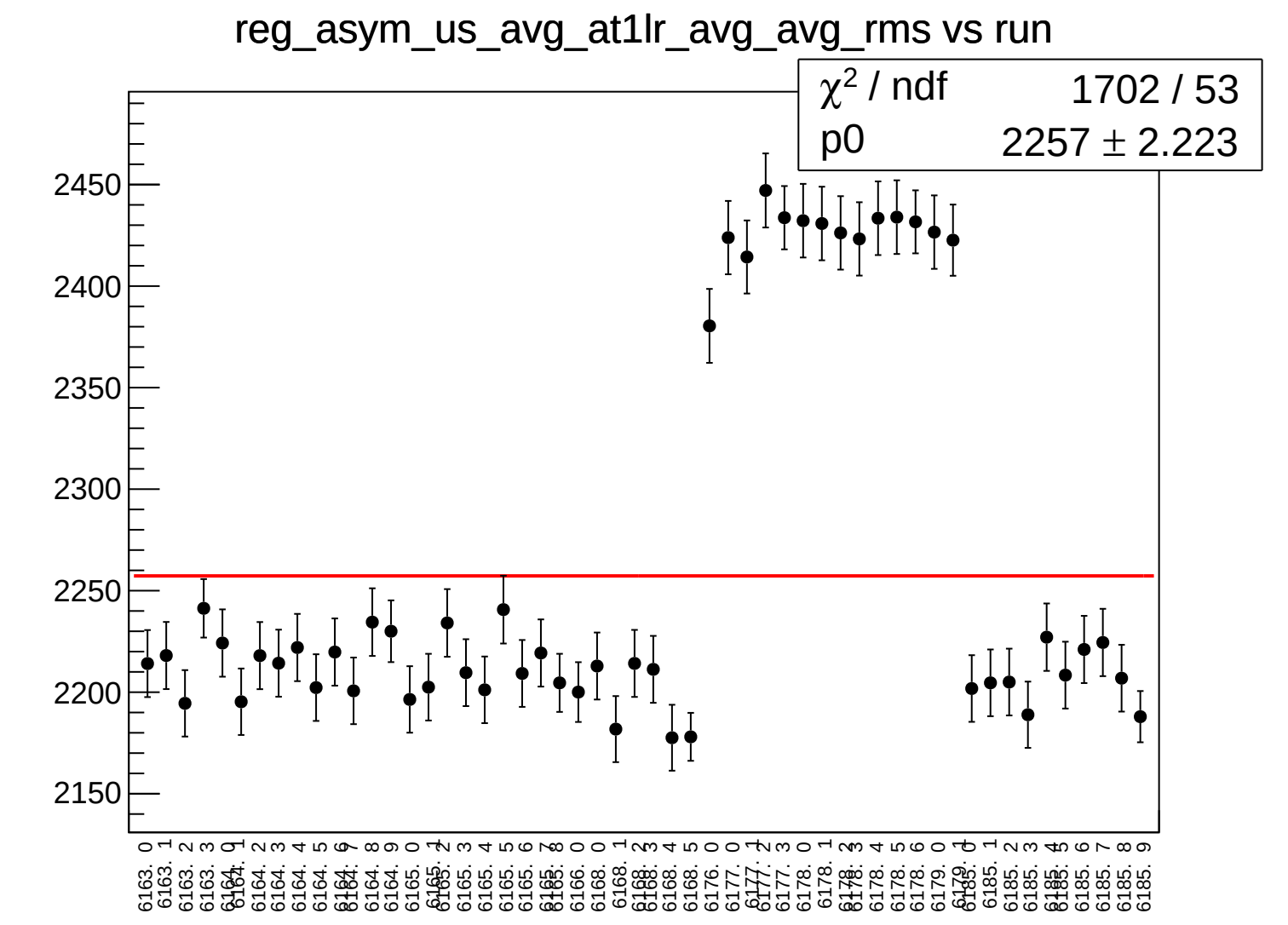

asym_usr_atr2_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 47.57 / 53
p0 2.512e−14 ± 3.715e−13
pull
Entries 54
Mean −14.05
Std Dev 0

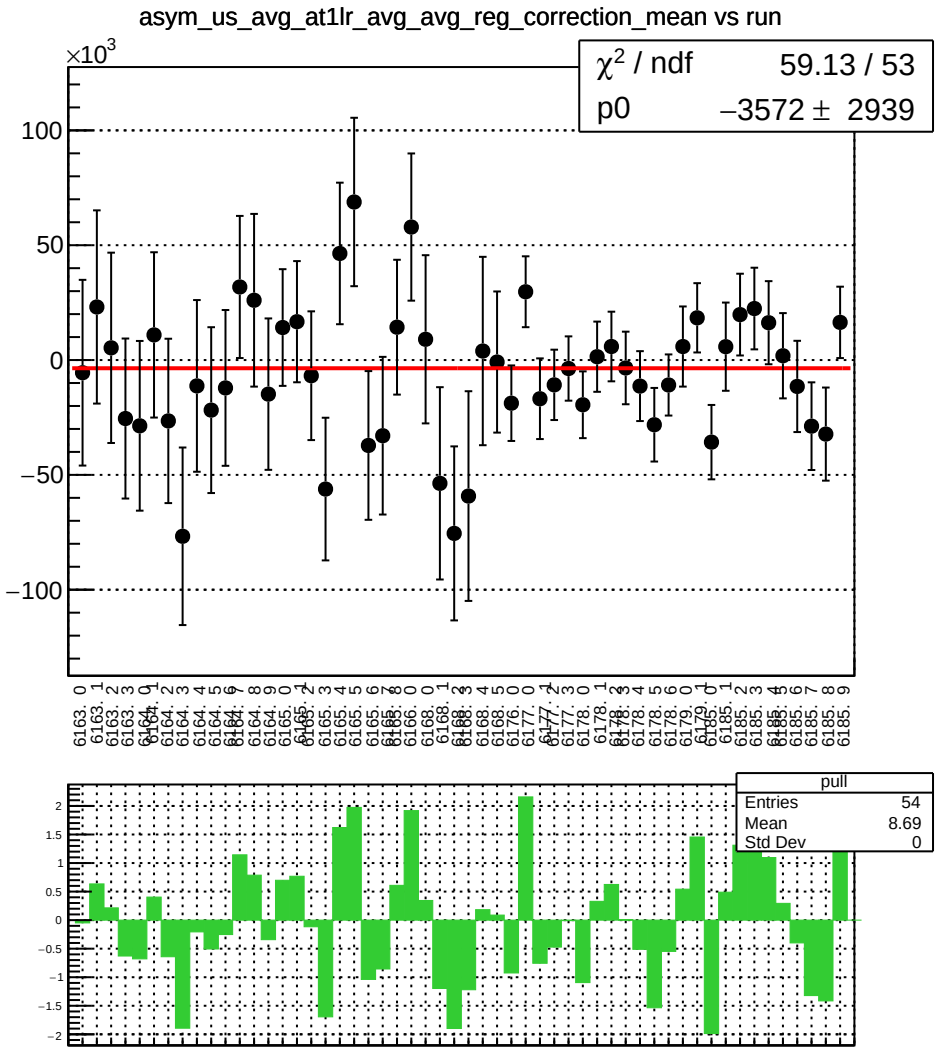

pull1D
Entries 54
Mean 0.08459
Std Dev 0.9348

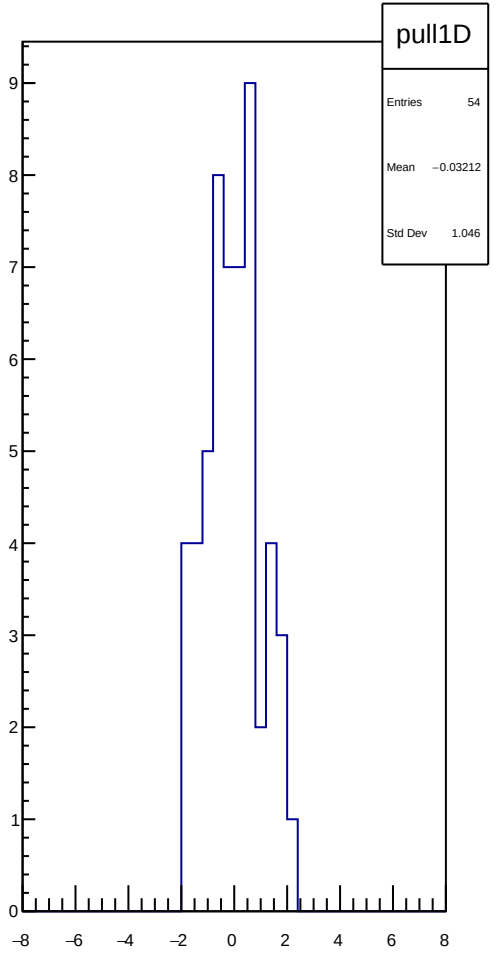

asym_usr_atr2_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.288e+05 / 53
p0 1.865e−10 ± 2.627e−13
5
4.5
4
3.5
3
2.5
2
1.5
1
0.5
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

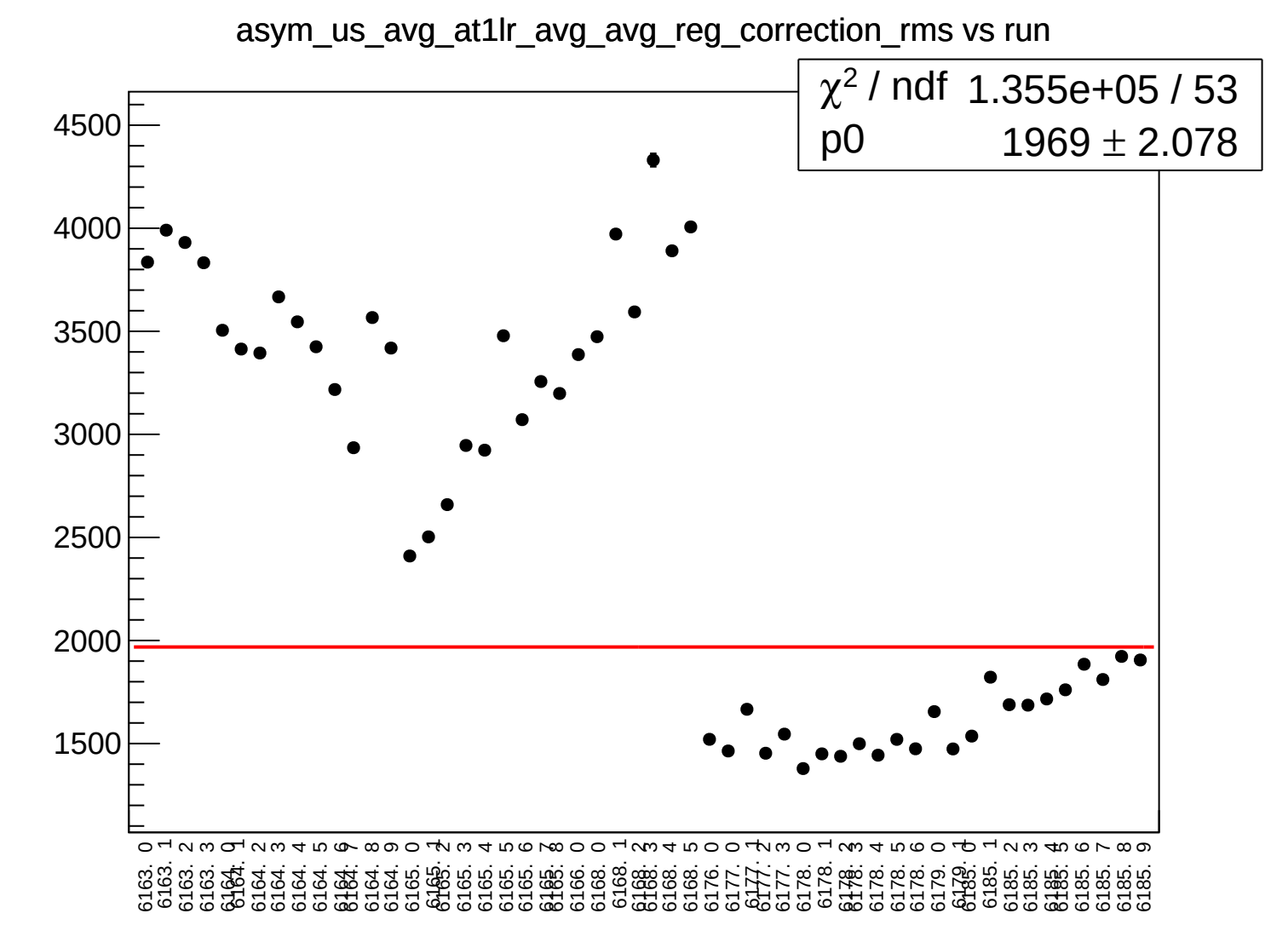

reg_asym_us_avg_at1lr_avg_avg_mean vs run
χ² / ndf 62.69 / 53
p0 5596 ± 3143
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 54
Mean −217.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

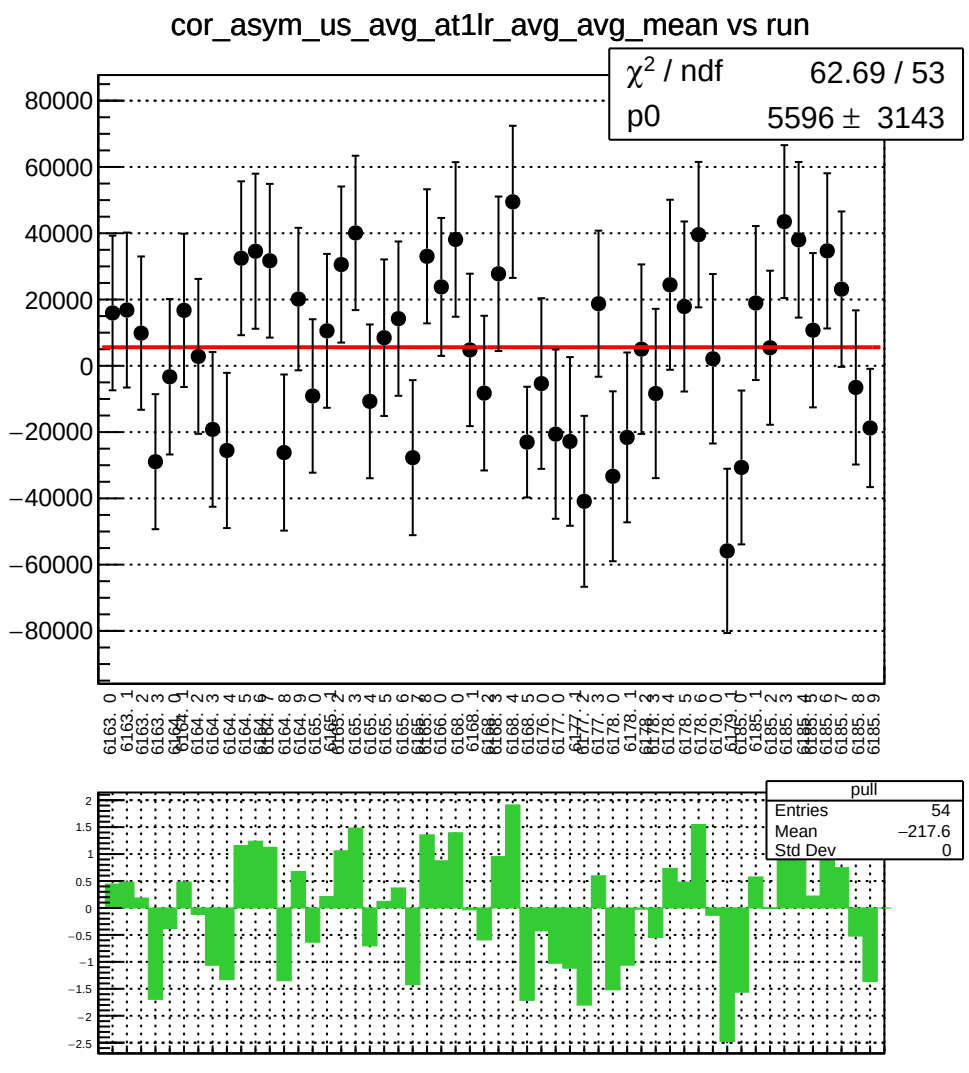

pull1D
Entries 54
Mean 0.001305
Std Dev 1.077
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

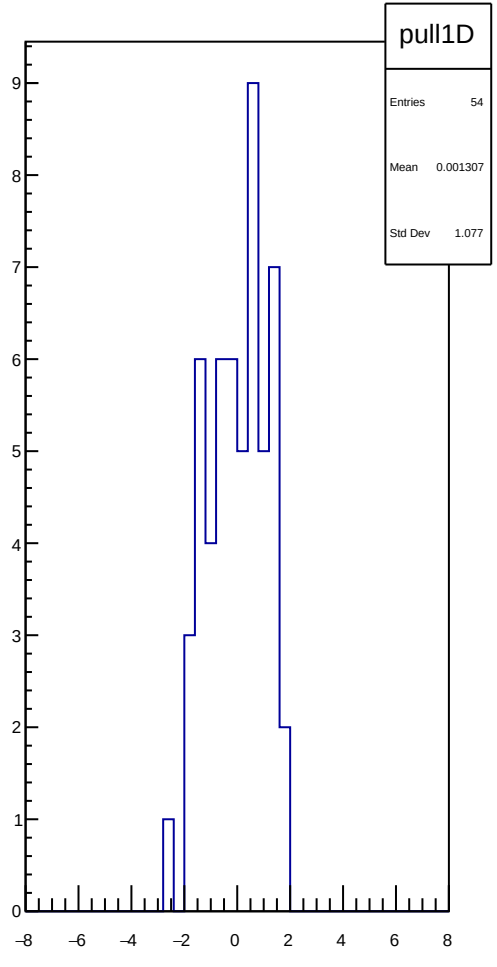

reg_asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 1702 / 53
p0 2257 ± 2.223
2450
2400
2350
2300
2250
2200
2150
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

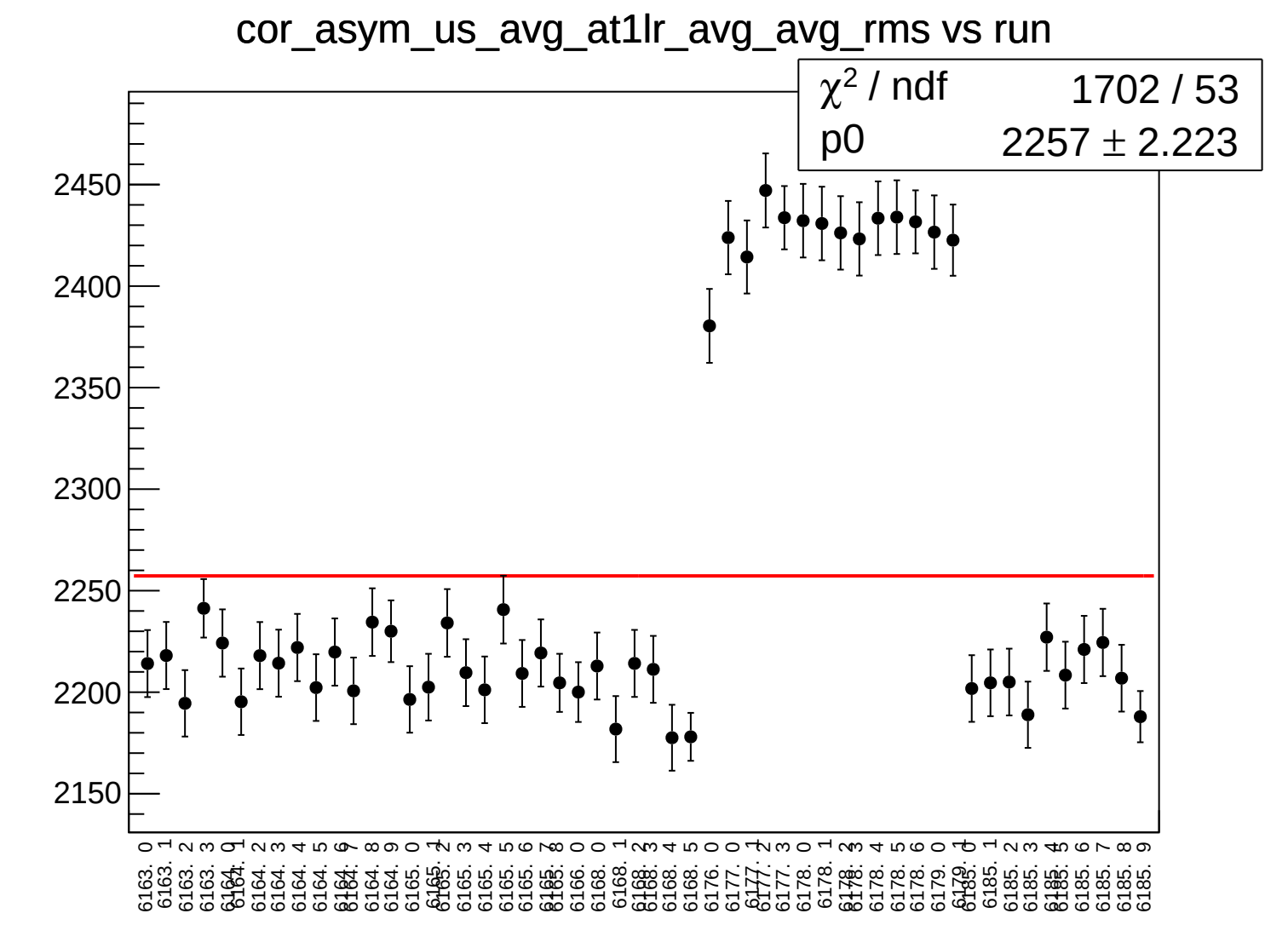

asym_us_avg_at1lr_avg_avg_reg_correction_mean vs run
×10^3
χ² / ndf 59.13 / 53
p0 −3572 ± 2939
100
50
0
−50
−100
pull
Entries 54
Mean 8.69
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

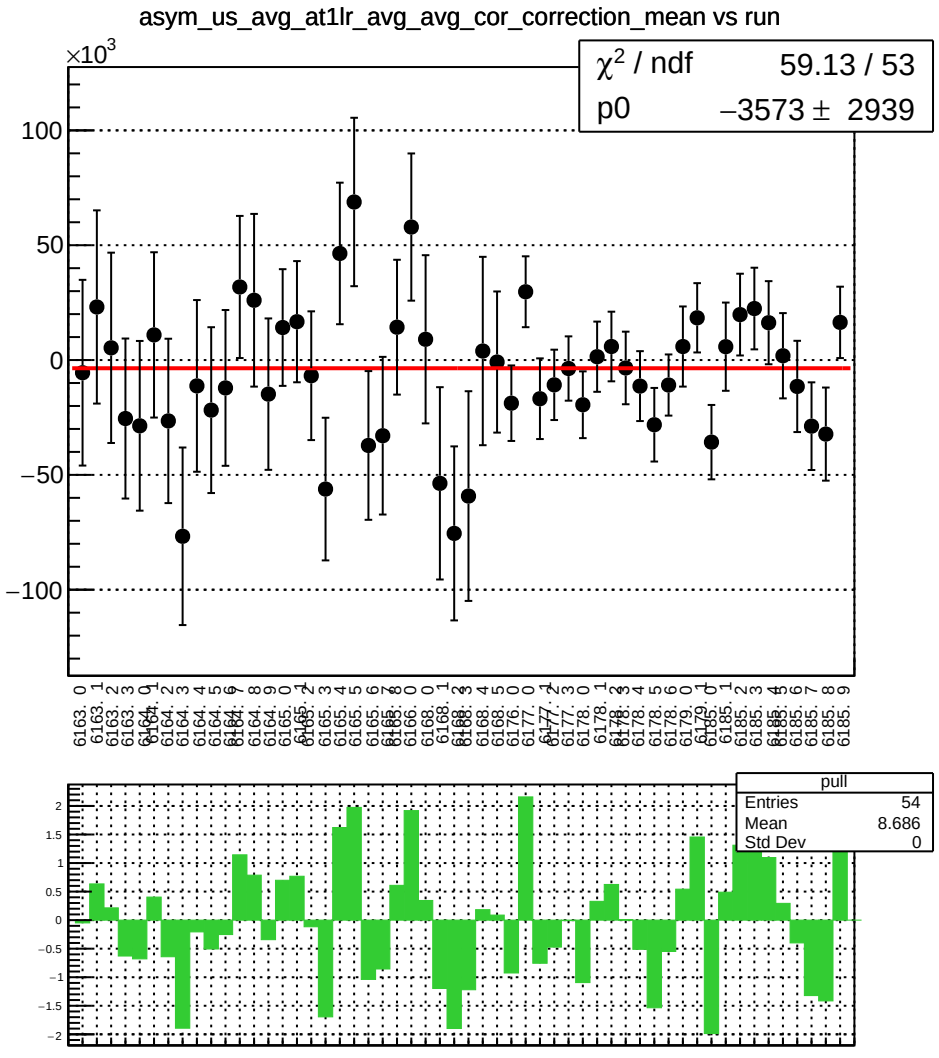

pull1D
Entries 54
Mean −0.03212
Std Dev 1.046
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

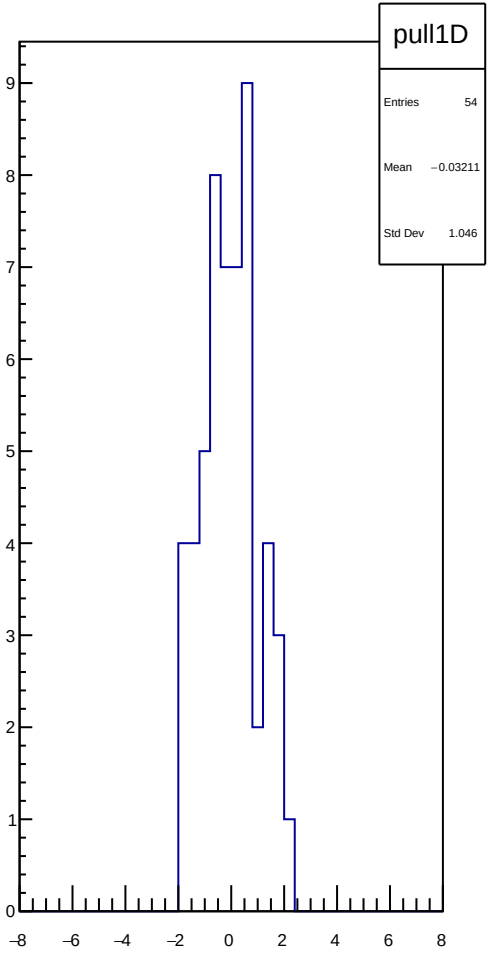

asym_us_avg_at1lr_avg_avg_reg_correction_rms vs run
χ² / ndf 1.355e+05 / 53
p0 1969 ± 2.078
4500
4000
3500
3000
2500
2000
1500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

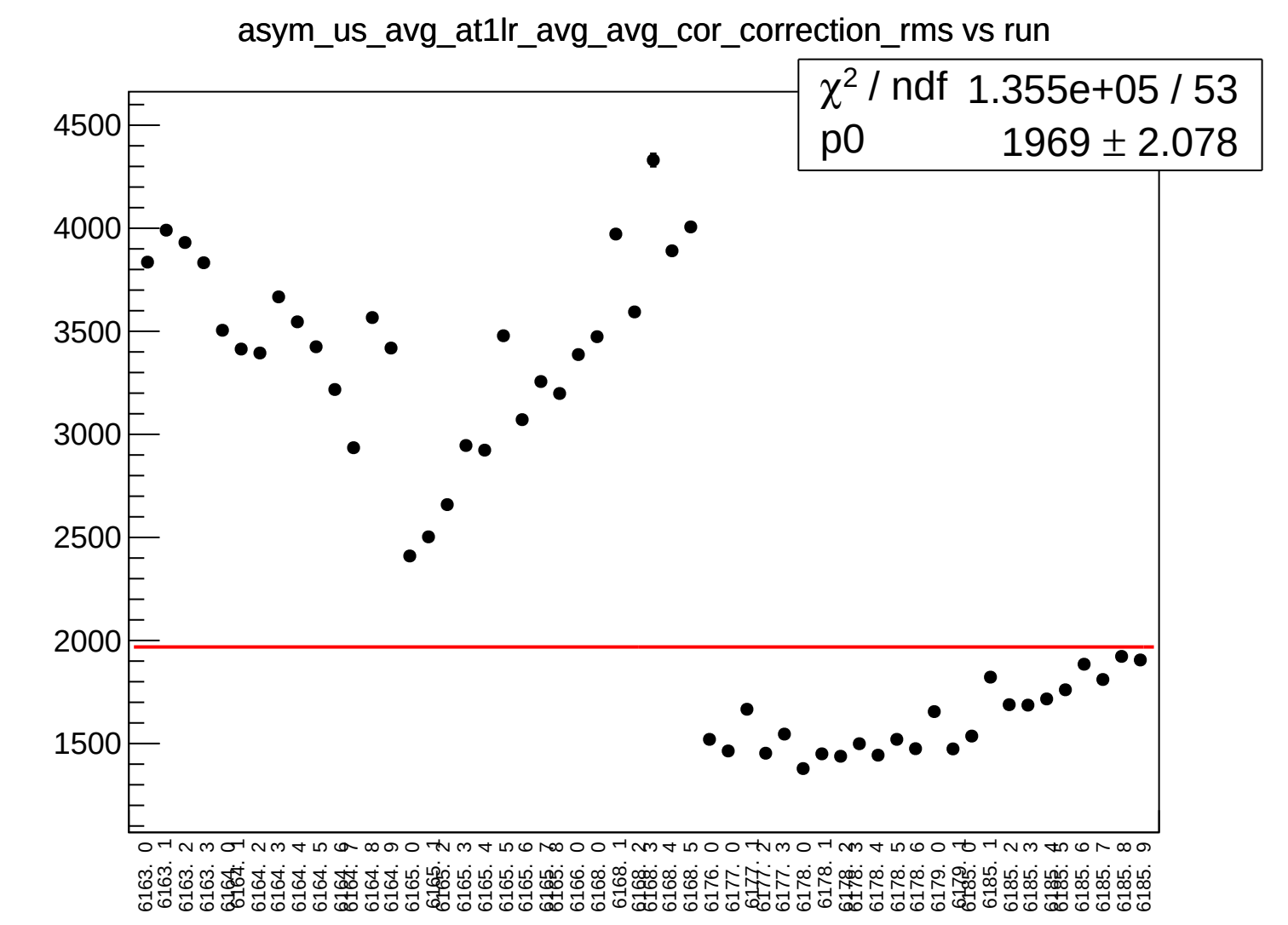

cor_asym_us_avg_at1lr_avg_avg_mean vs run
χ² / ndf 62.69 / 53
p0 5596 ± 3143
pull
Entries 54
Mean −217.6
Std Dev 0

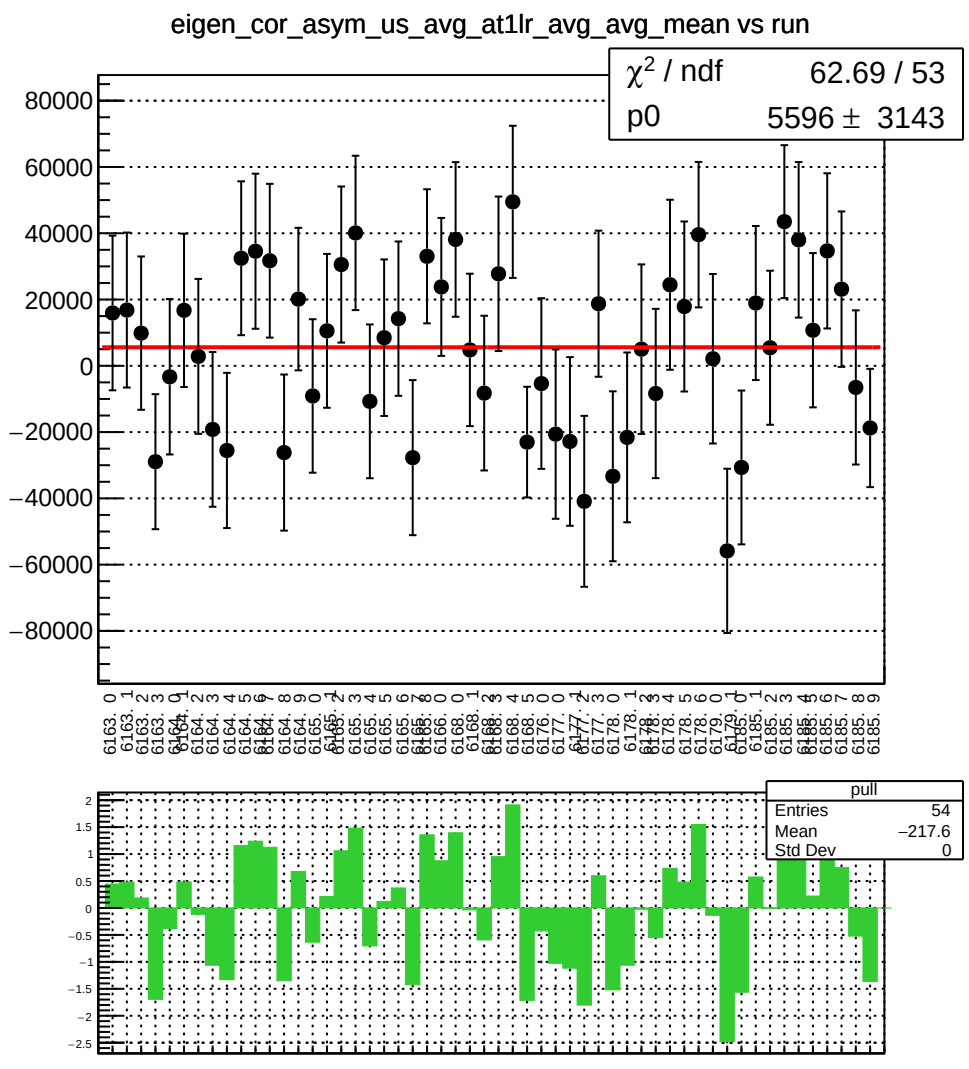

pull1D
Entries 54
Mean 0.001307
Std Dev 1.077

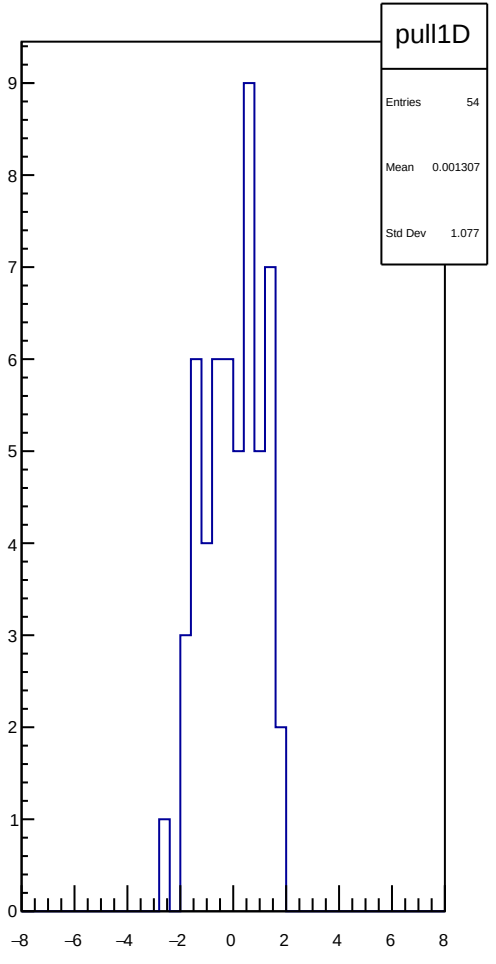

cor_asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 1702 / 53
p0 2257 ± 2.223
2450
2400
2350
2300
2250
2200
2150
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

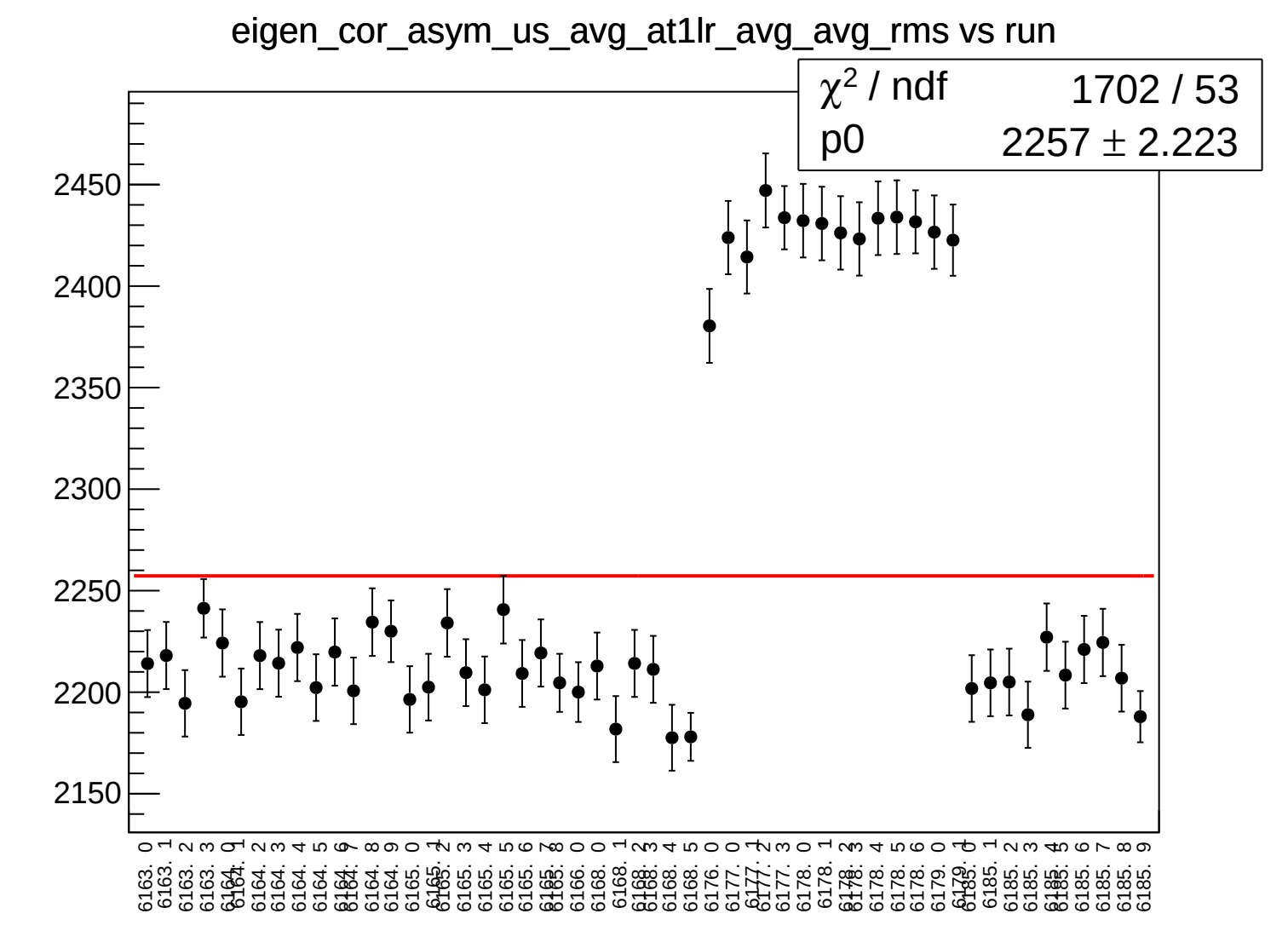

asym_us_avg_at1lr_avg_avg_cor_correction_mean vs run
×10^3
χ² / ndf 59.13 / 53
p0 −3573 ± 2939
pull
Entries 54
Mean 8.686
Std Dev 0

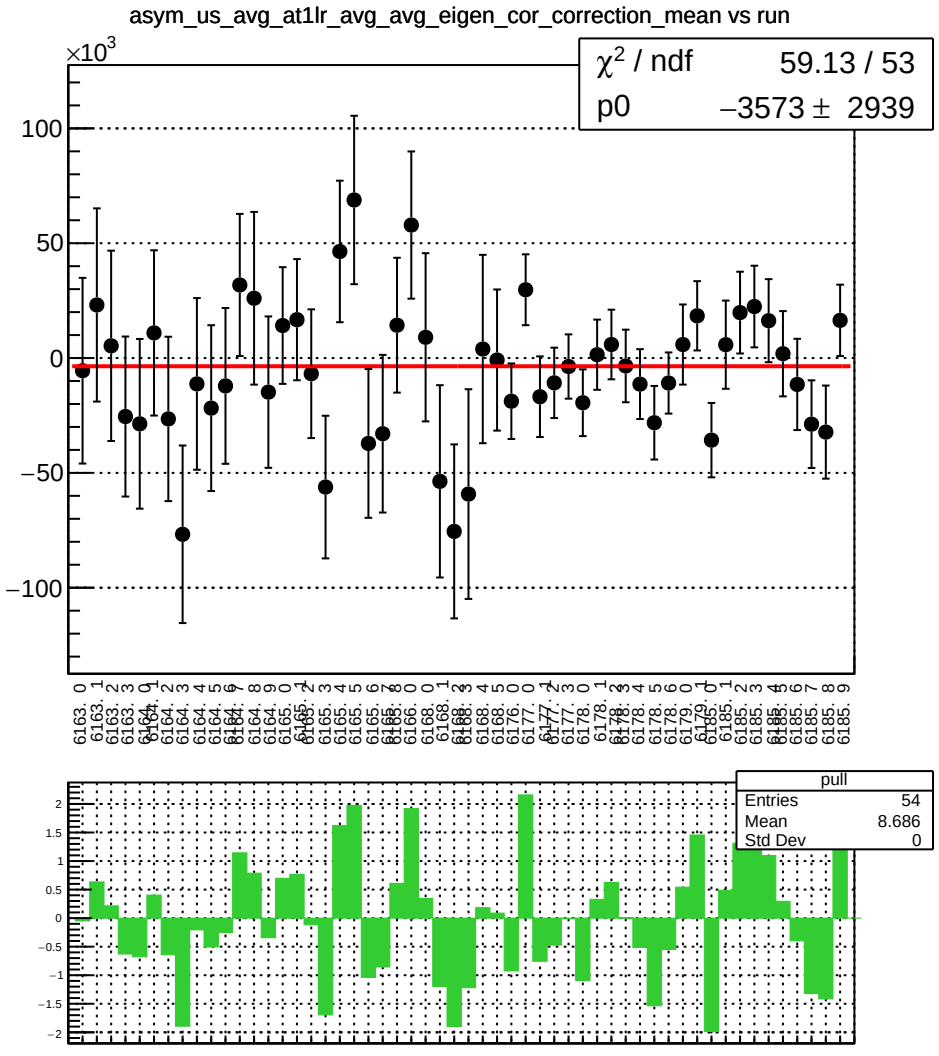

pull1D
Entries 54
Mean −0.03211
Std Dev 1.046

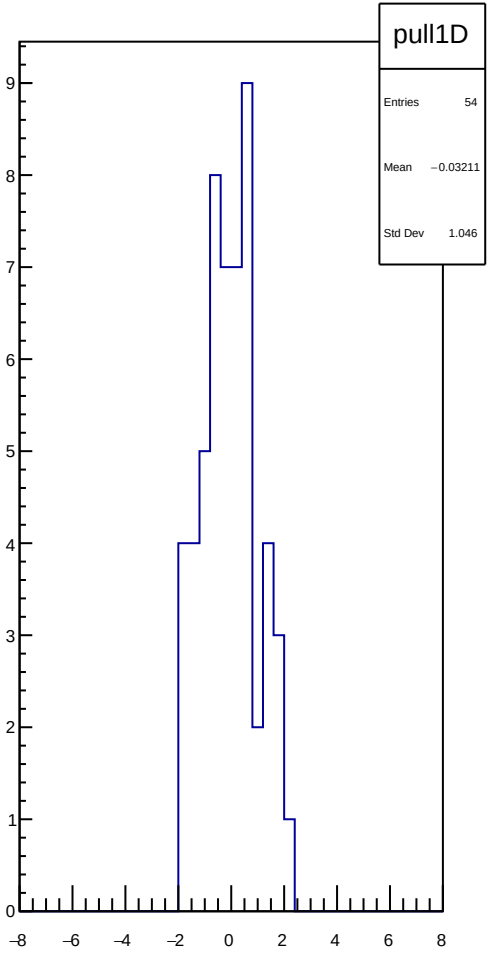

asym_us_avg_at1lr_avg_avg_cor_correction_rms vs run
χ² / ndf 1.355e+05 / 53
p0 1969 ± 2.078
4500
4000
3500
3000
2500
2000
1500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

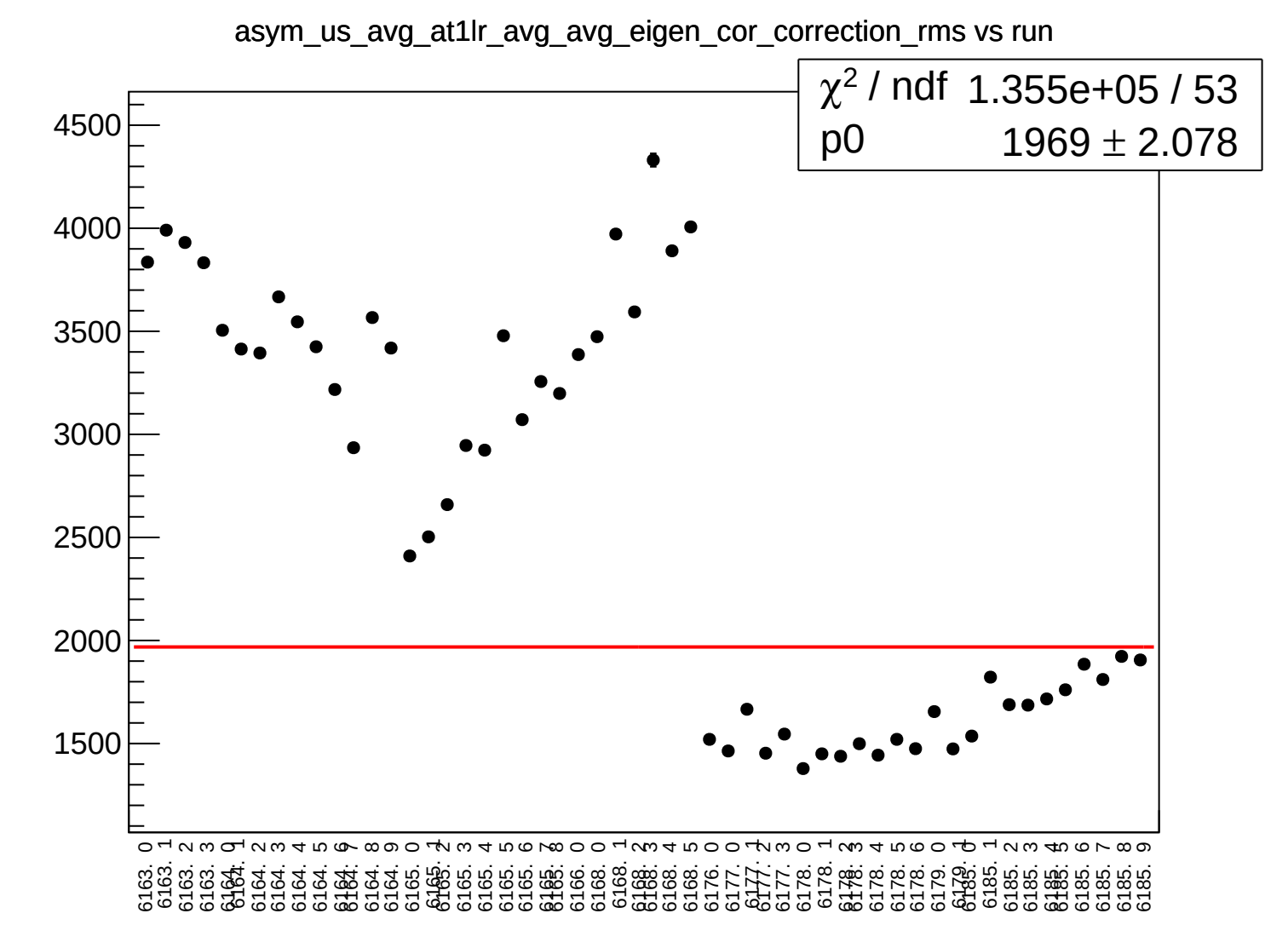

eigen_cor_asym_us_avg_at1lr_avg_avg_mean vs run
χ² / ndf 62.69 / 53
p0 5596 ± 3143
pull
Entries 54
Mean −217.6
Std Dev 0

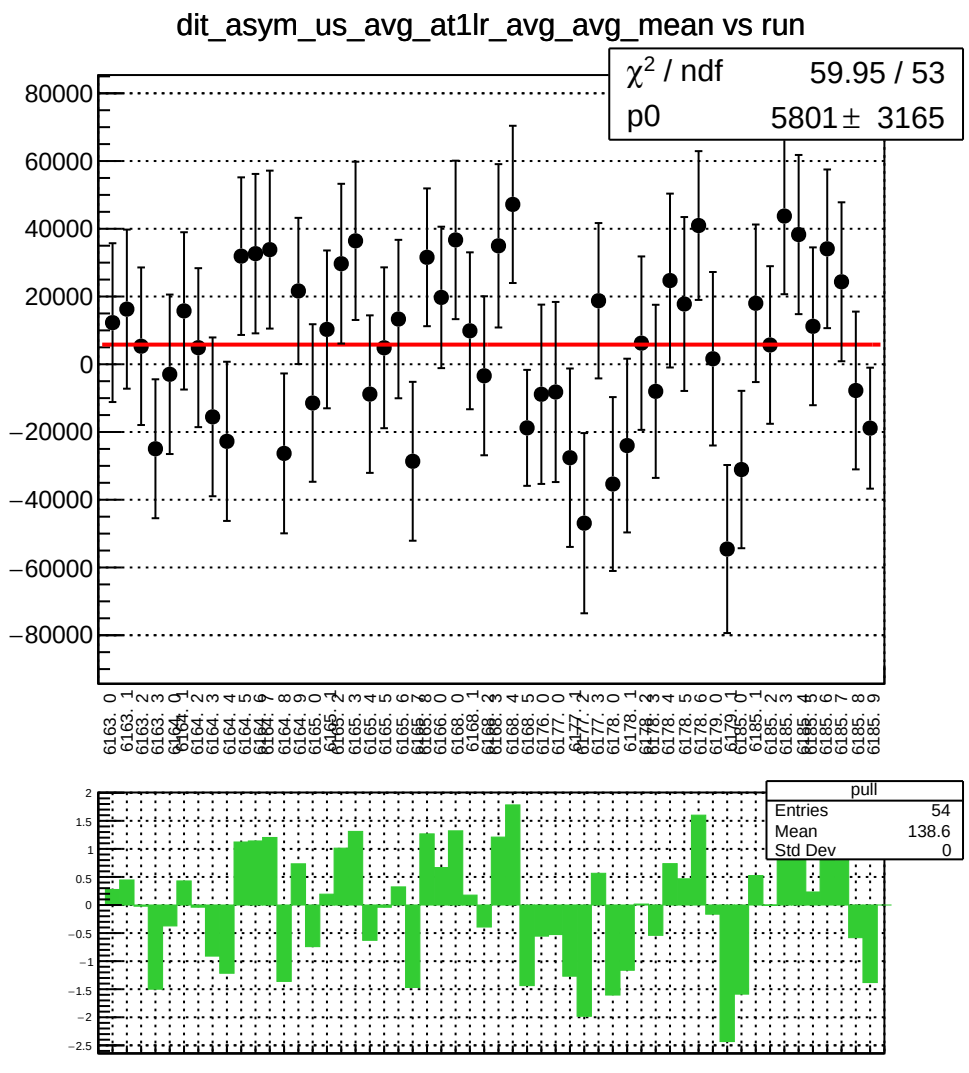

pull1D
Entries 54
Mean 0.001307
Std Dev 1.077

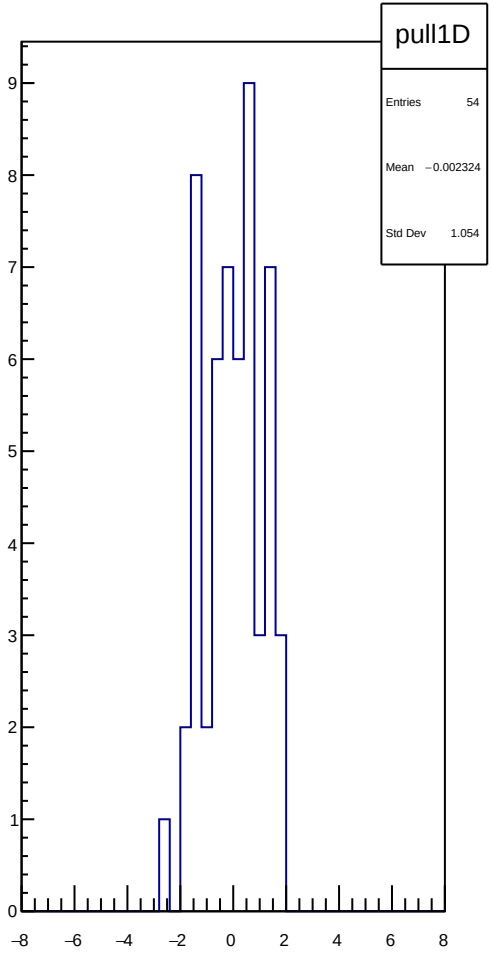

eigen_cor_asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 1702 / 53
p0 2257 ± 2.223
2450
2400
2350
2300
2250
2200
2150
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

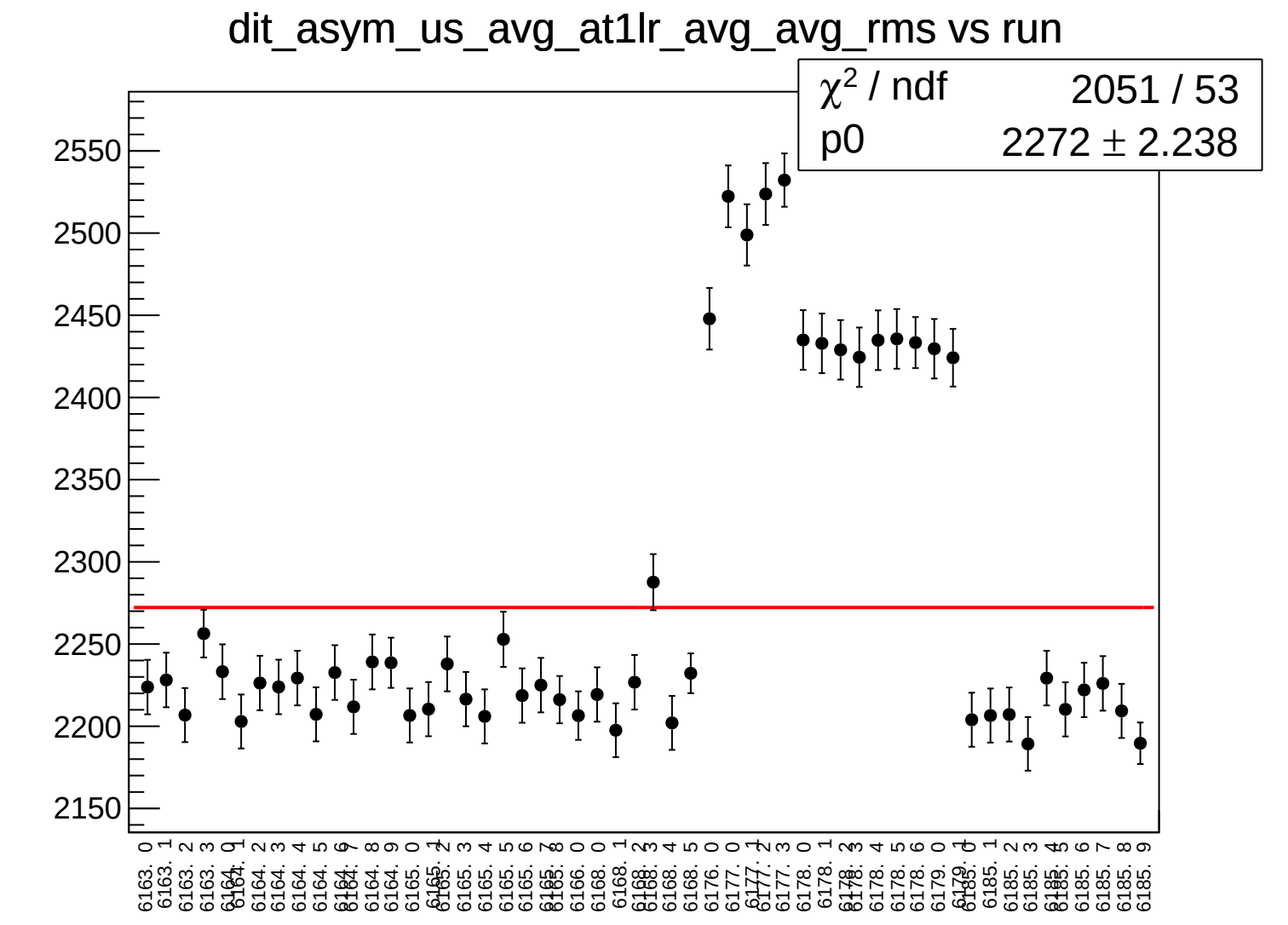

asym_us_avg_at1lr_avg_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 59.13 / 53
p0 −3573 ± 2939
100
50
0
−50
−100
pull
Entries 54
Mean 8.686
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

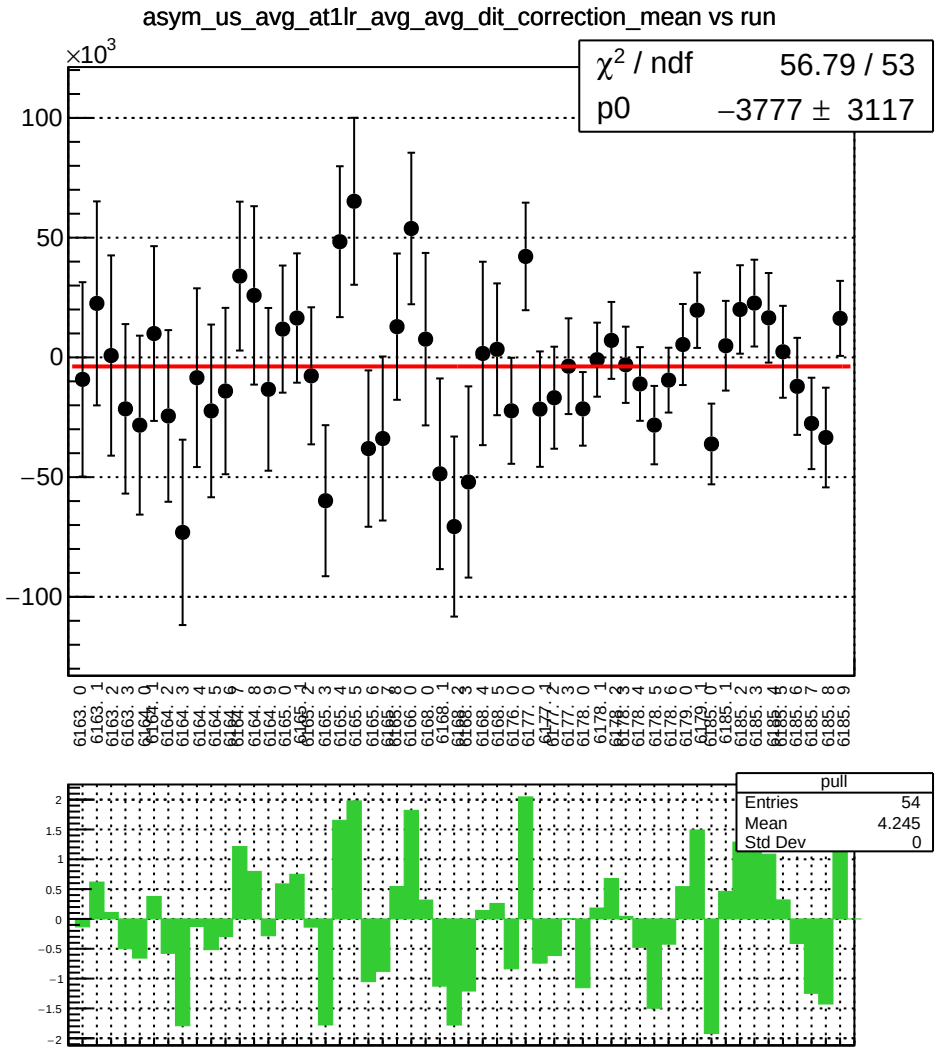

pull1D
Entries 54
Mean −0.03211
Std Dev 1.046
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

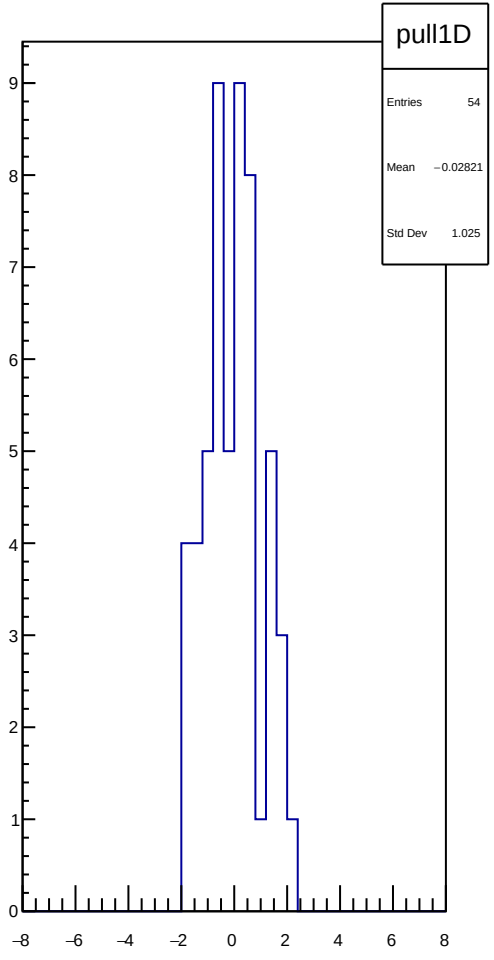

asym_us_avg_at1lr_avg_avg_eigen_cor_correction_rms vs run
χ² / ndf 1.355e+05 / 53
p0 1969 ± 2.078
4500
4000
3500
3000
2500
2000
1500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

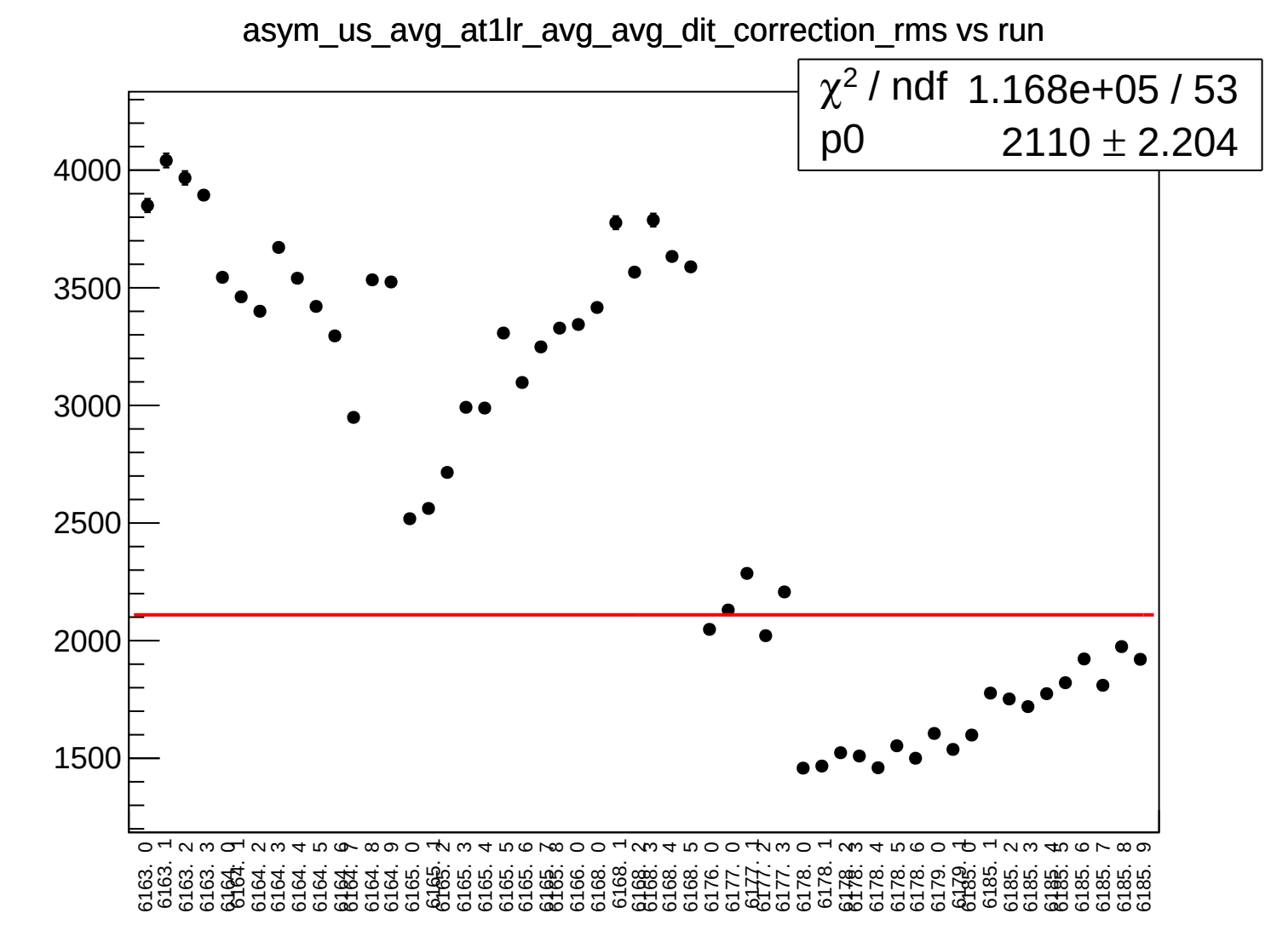

dit_asym_us_avg_at1lr_avg_avg_mean vs run
χ² / ndf 59.95 / 53
p0 5801 ± 3165
pull
Entries 54
Mean 138.6
Std Dev 0

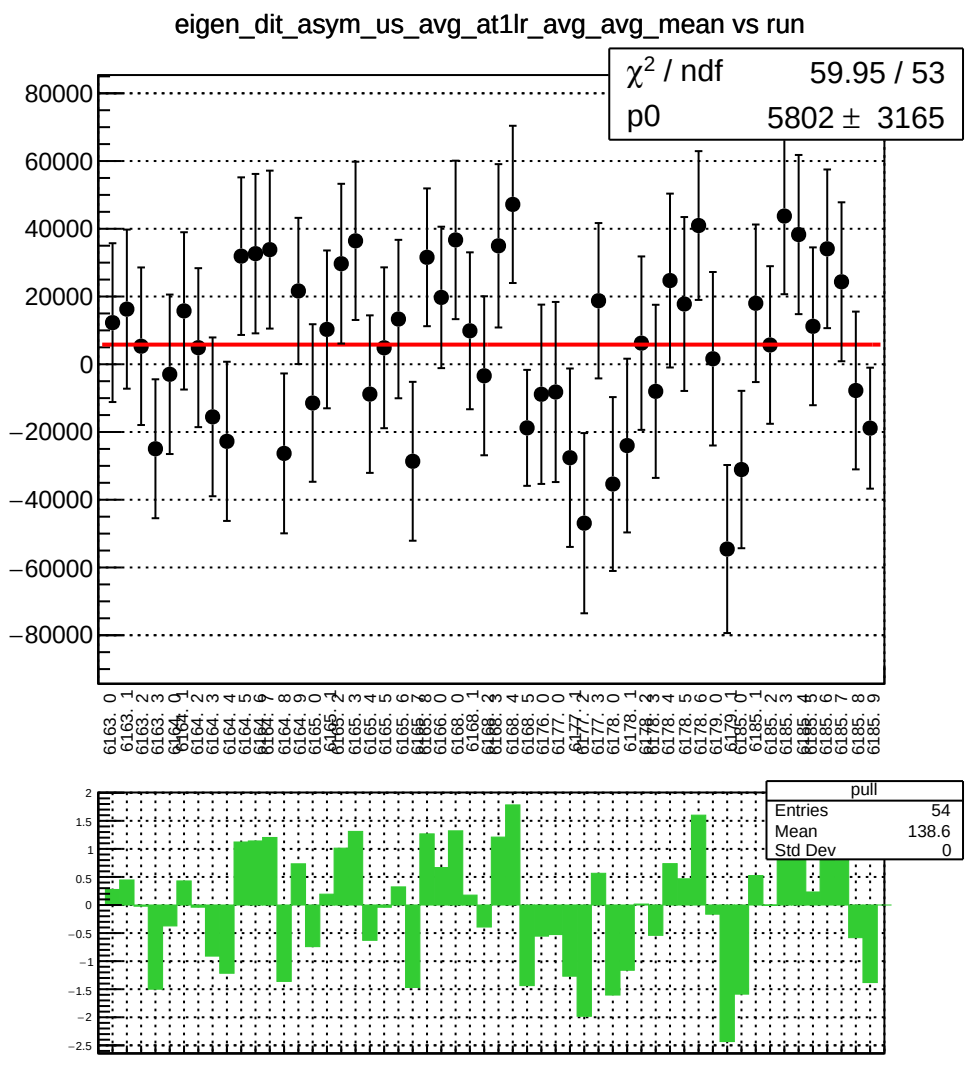

pull1D
Entries 54
Mean −0.002324
Std Dev 1.054

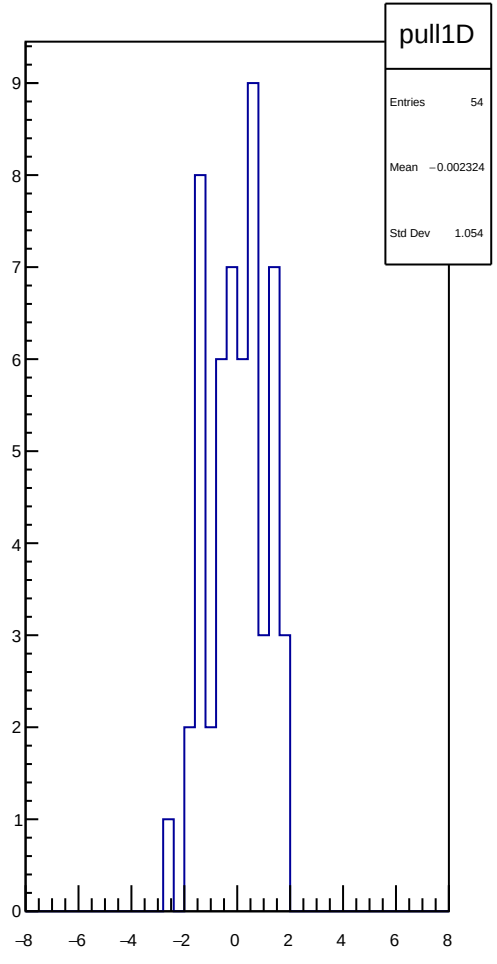

dit_asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 2051 / 53
p0 2272 ± 2.238
2550
2500
2450
2400
2350
2300
2250
2200
2150
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

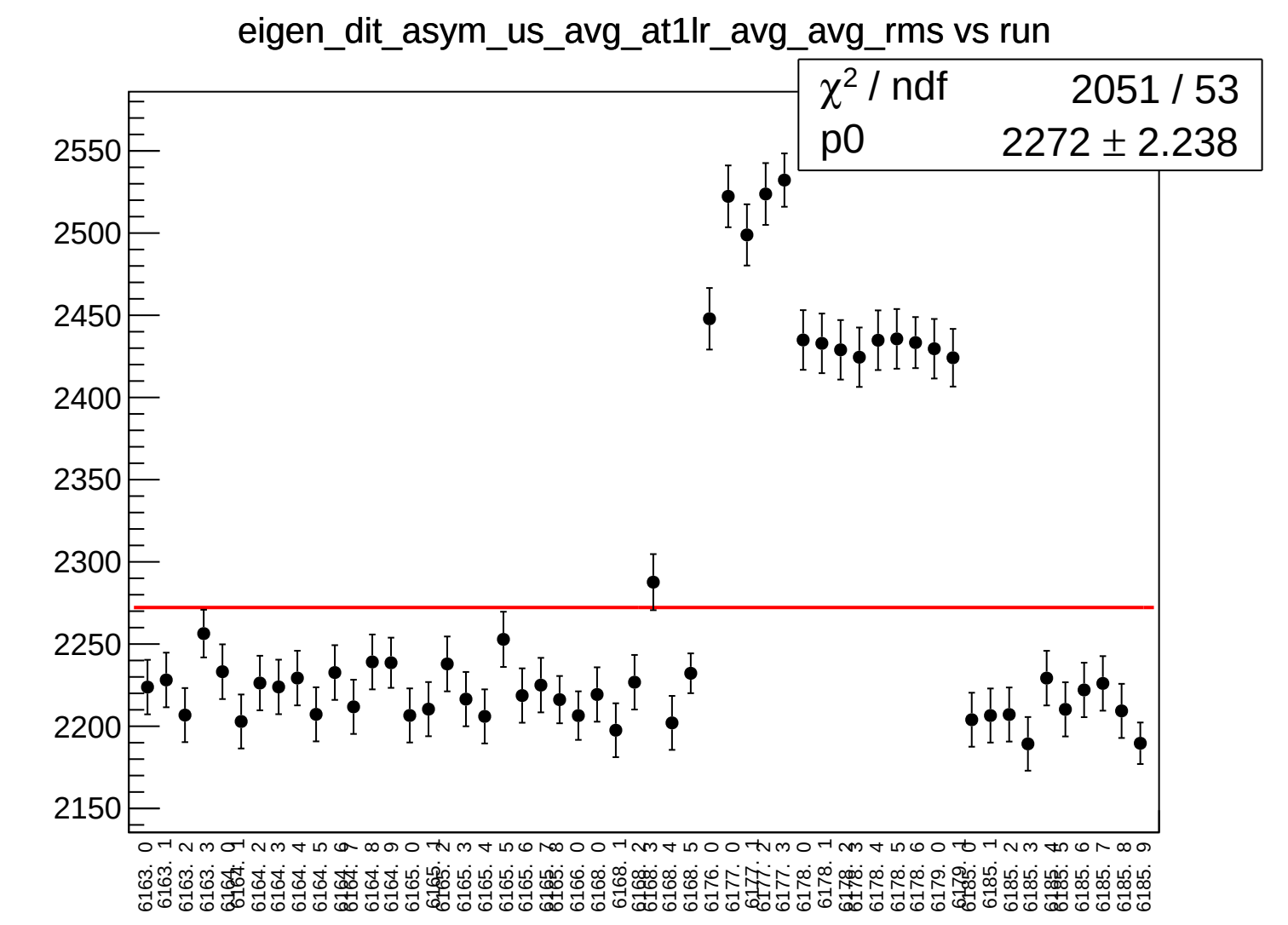

asym_us_avg_at1lr_avg_avg_dit_correction_mean vs run
×10^3
χ² / ndf 56.79 / 53
p0 −3777 ± 3117
100
50
0
−50
−100
pull
Entries 54
Mean 4.245
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

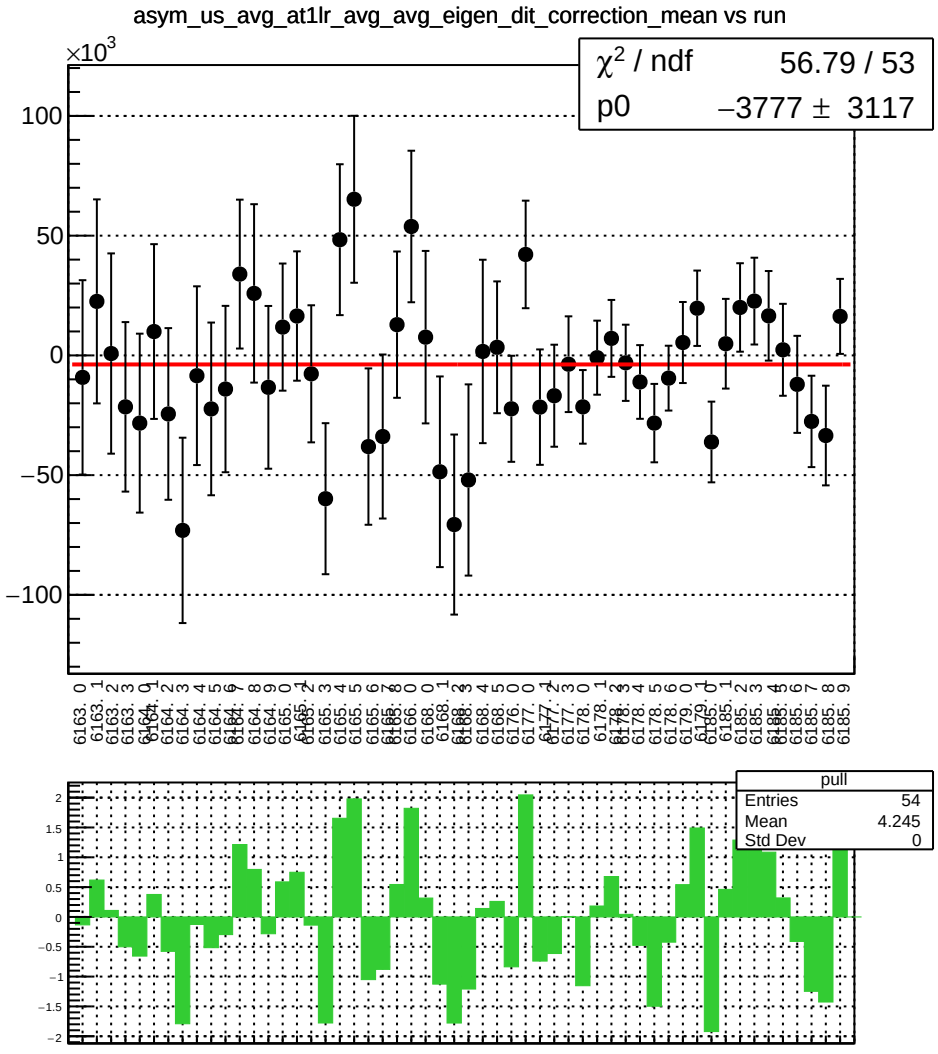

pull1D
Entries 54
Mean −0.02821
Std Dev 1.025
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

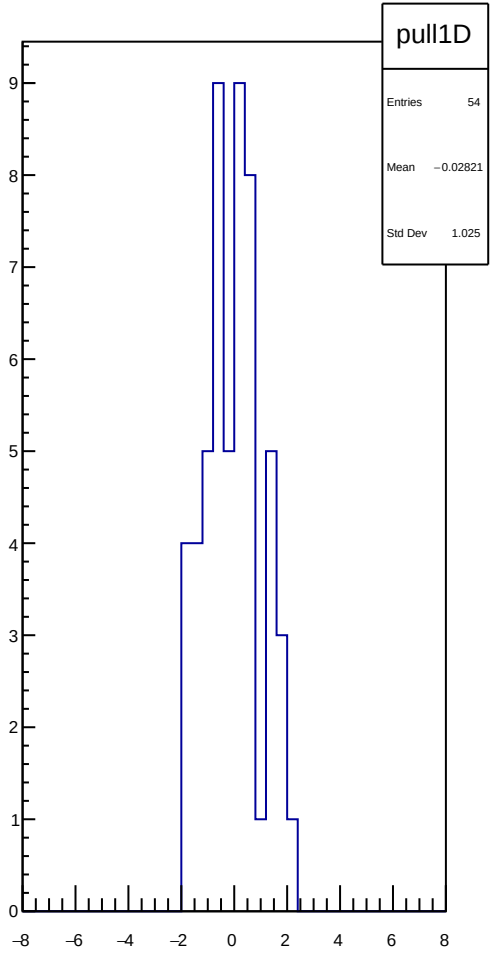

asym_us_avg_at1lr_avg_avg_dit_correction_rms vs run
χ² / ndf 1.168e+05 / 53
p0 2110 ± 2.204
4000
3500
3000
2500
2000
1500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

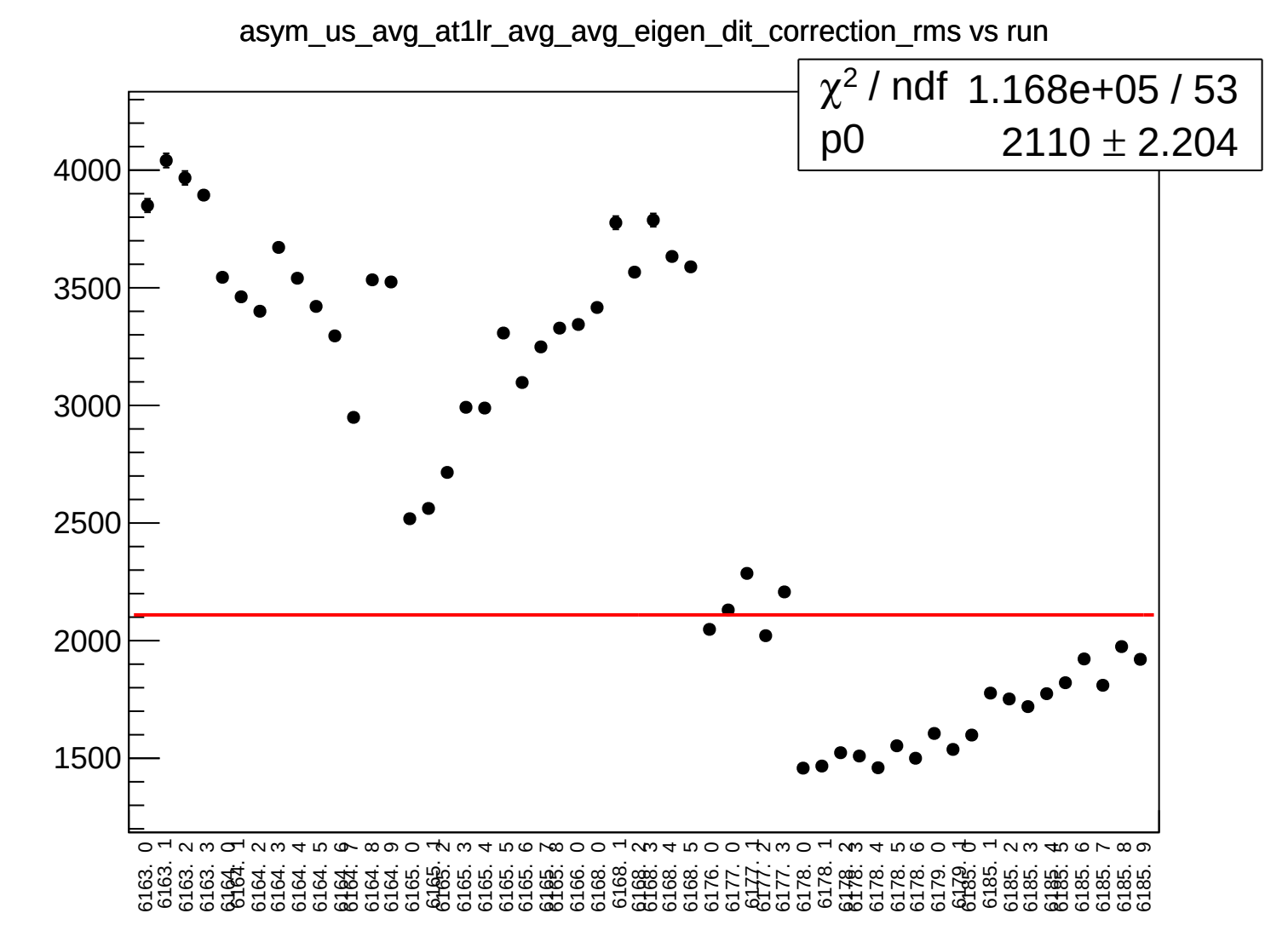

eigen_dit_asym_us_avg_at1lr_avg_avg_mean vs run
χ² / ndf 59.95 / 53
p0 5802 ± 3165
pull
Entries 54
Mean 138.6
Std Dev 0

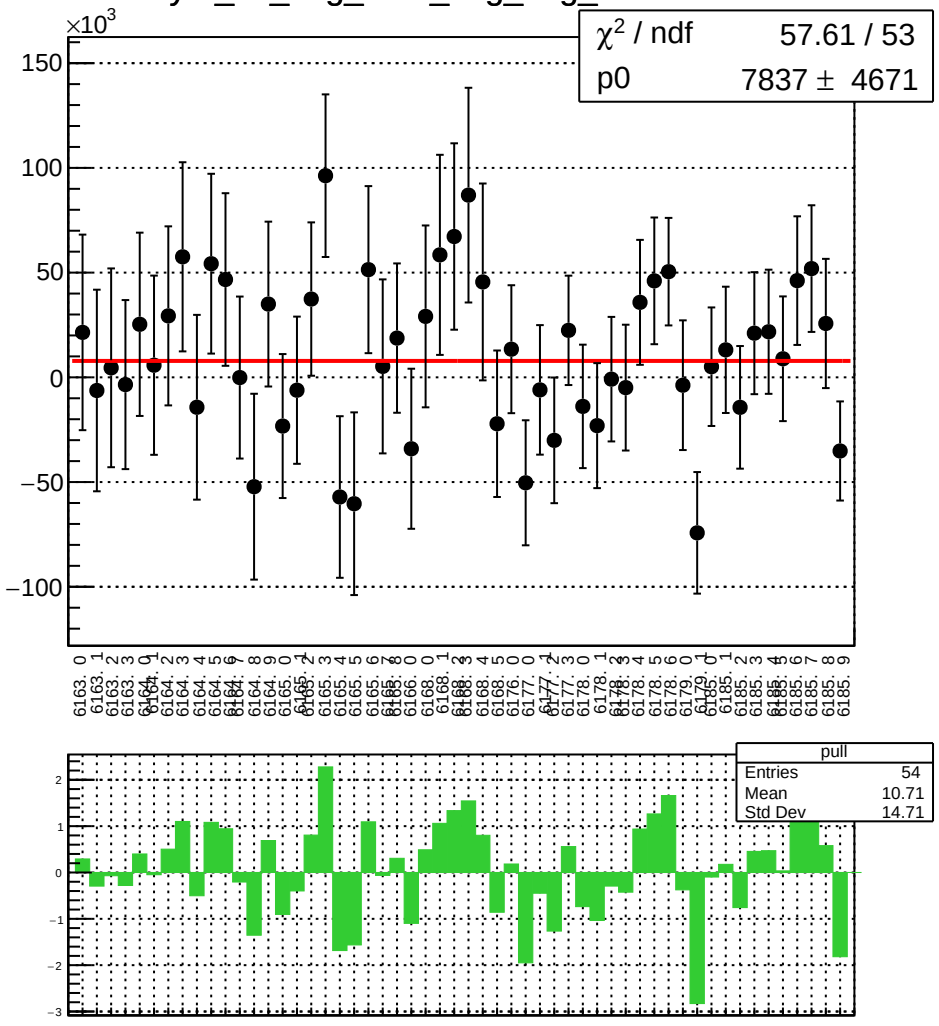

pull1D
Entries 54
Mean −0.002324
Std Dev 1.054

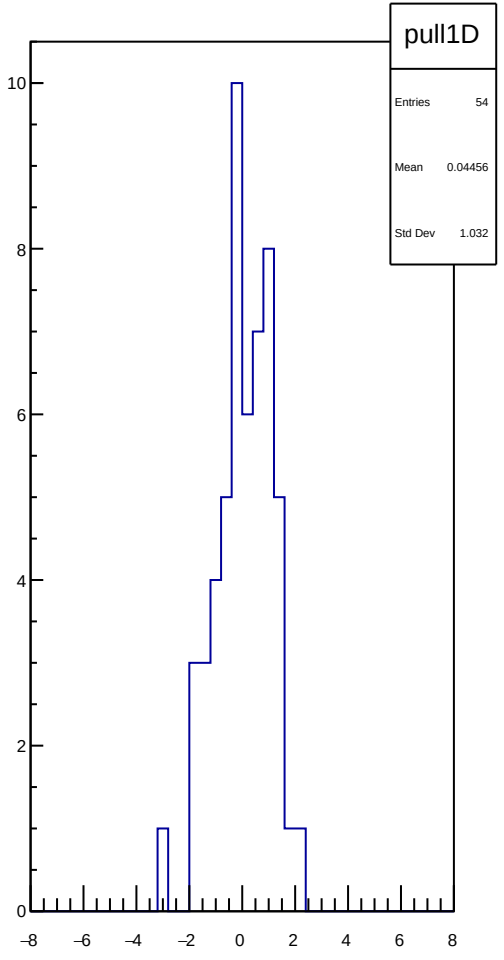

eigen_dit_asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 2051 / 53
p0 2272 ± 2.238
2550
2500
2450
2400
2350
2300
2250
2200
2150
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

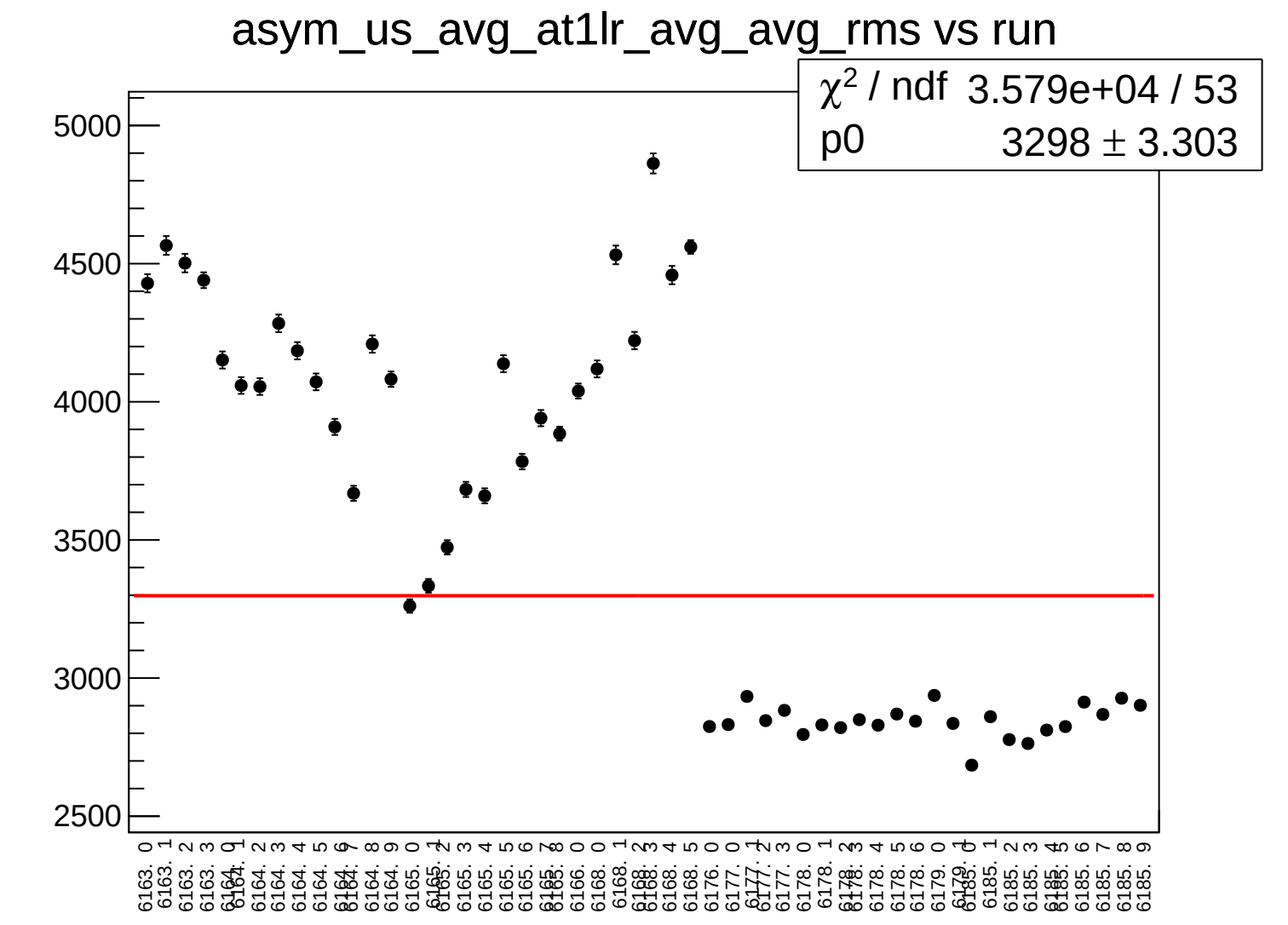

asym_us_avg_at1lr_avg_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 56.79 / 53
p0 −3777 ± 3117
100
50
0
−50
−100
pull
Entries 54
Mean 4.245
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 54
Mean −0.02821
Std Dev 1.025
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

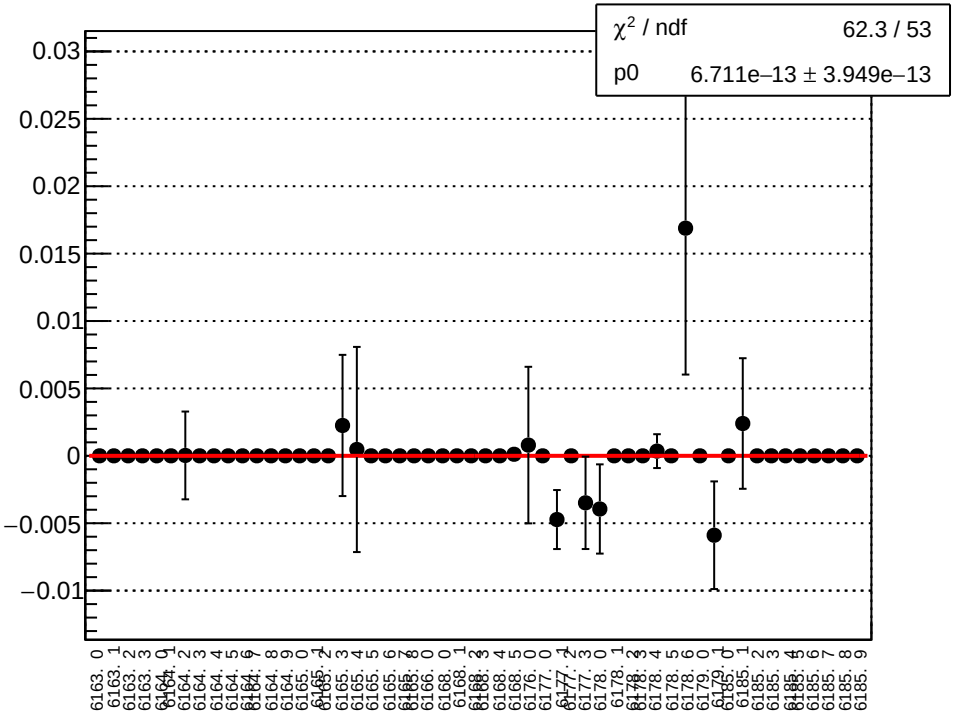

asym_us_avg_at1lr_avg_avg_eigen_dit_correction_rms vs run
χ² / ndf 1.168e+05 / 53
p0 2110 ± 2.204
4000
3500
3000
2500
2000
1500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

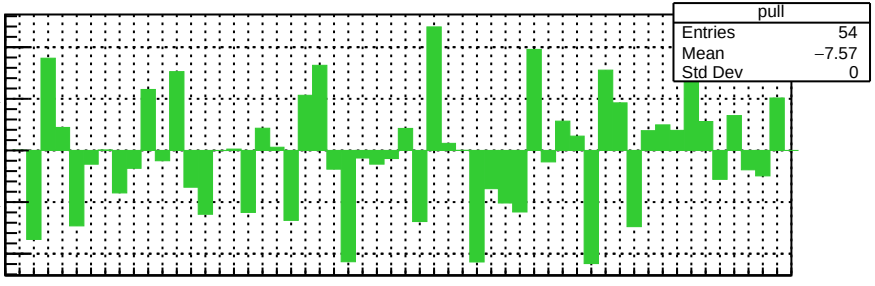

asym_us_avg_at1lr_avg_avg_mean vs run
×10^3
χ² / ndf 57.61 / 53
p0 7837 ± 4671
150
100
50
0
−50
−100
pull
Entries 54
Mean 10.71
Std Dev 14.71
2
1
0
−1
−2
−3

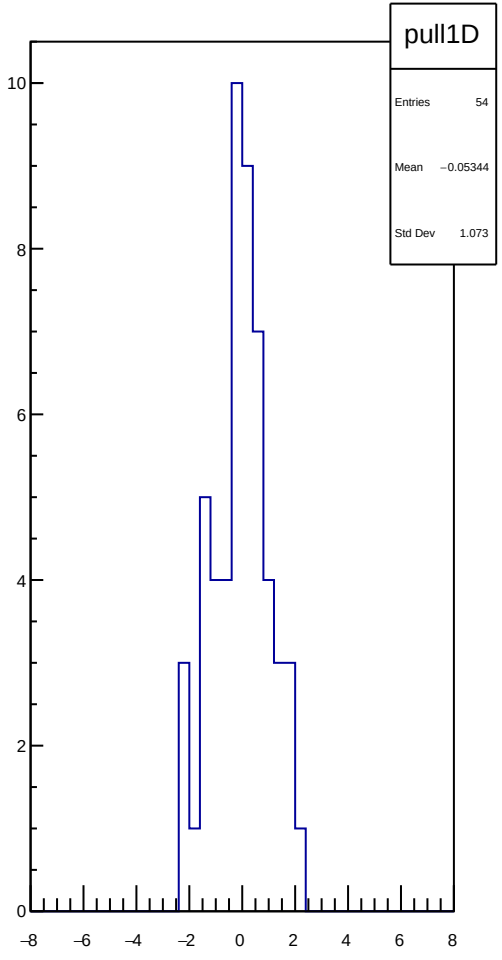

pull1D
Entries 54
Mean 0.04456
Std Dev 1.032
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

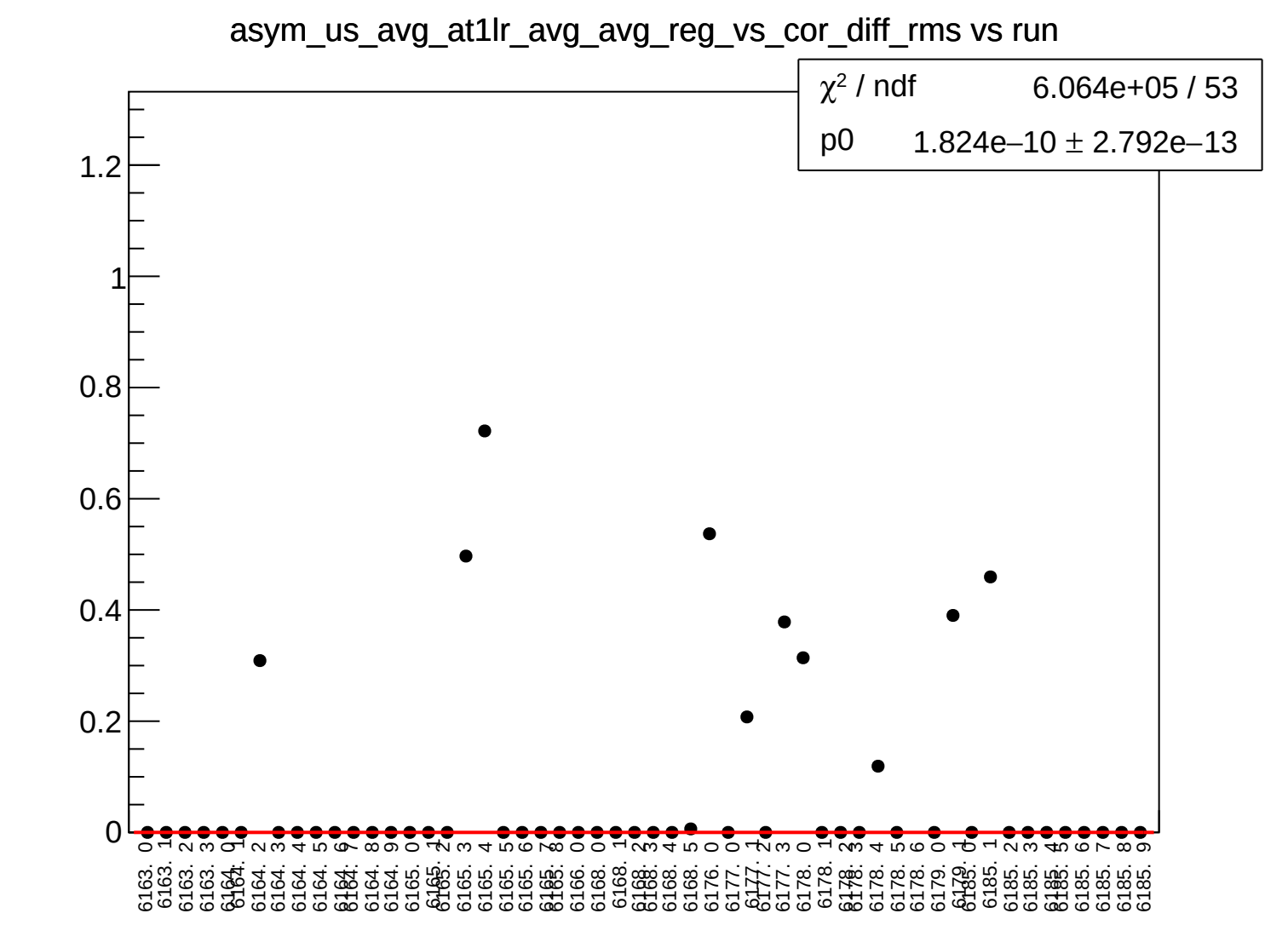

asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 3.579e+04 / 53
p0 3298 ± 3.303
5000
4500
4000
3500
3000
2500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

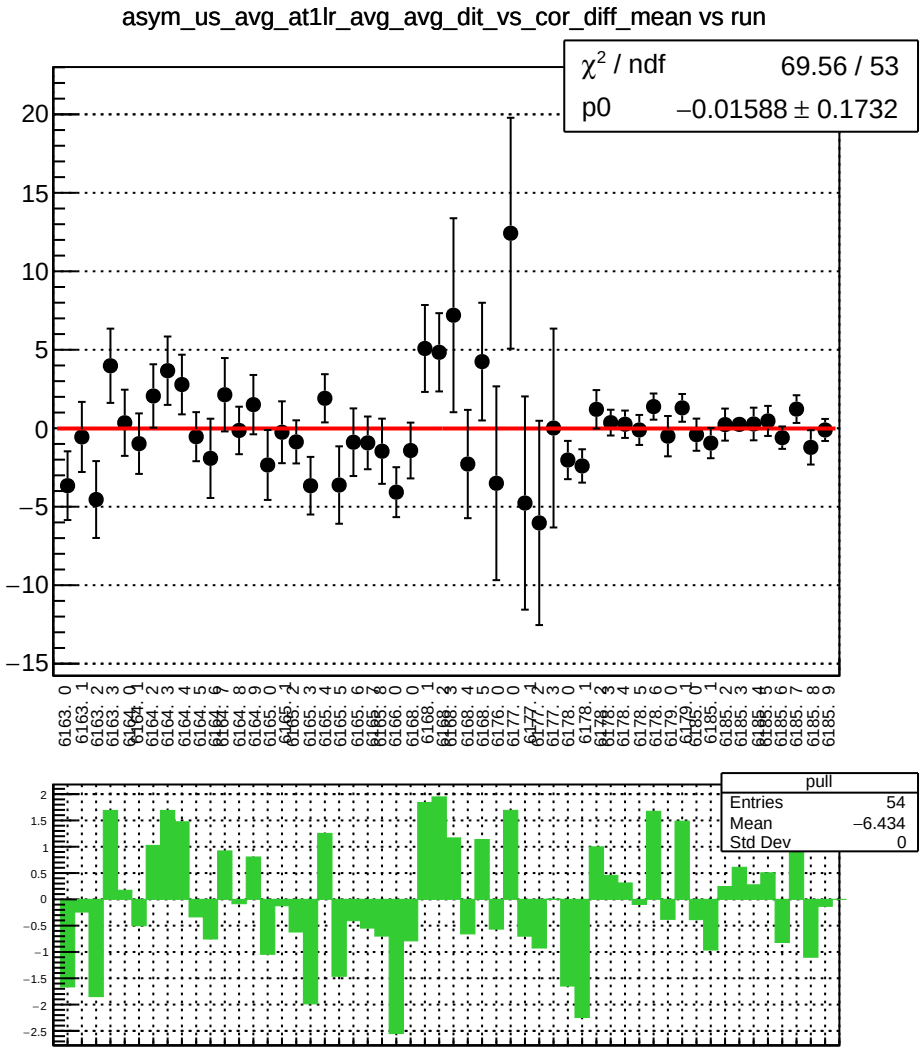
asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_mean vs run

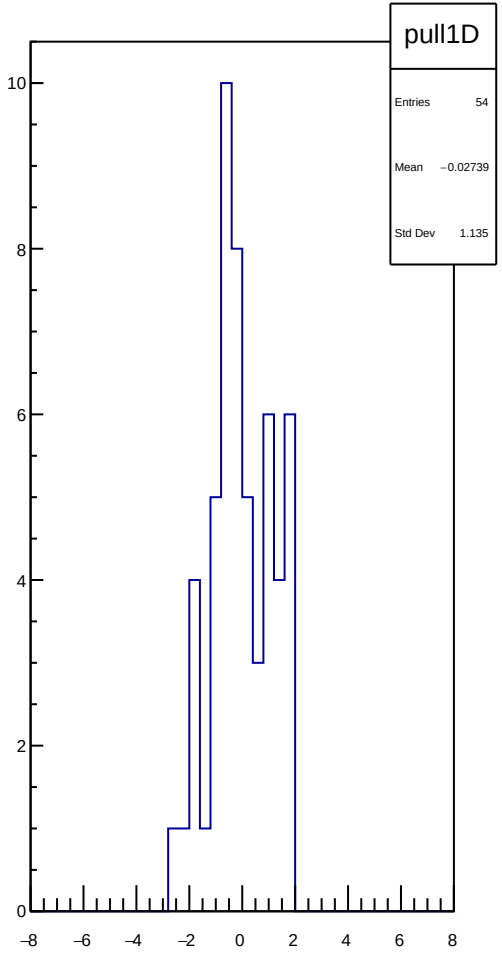


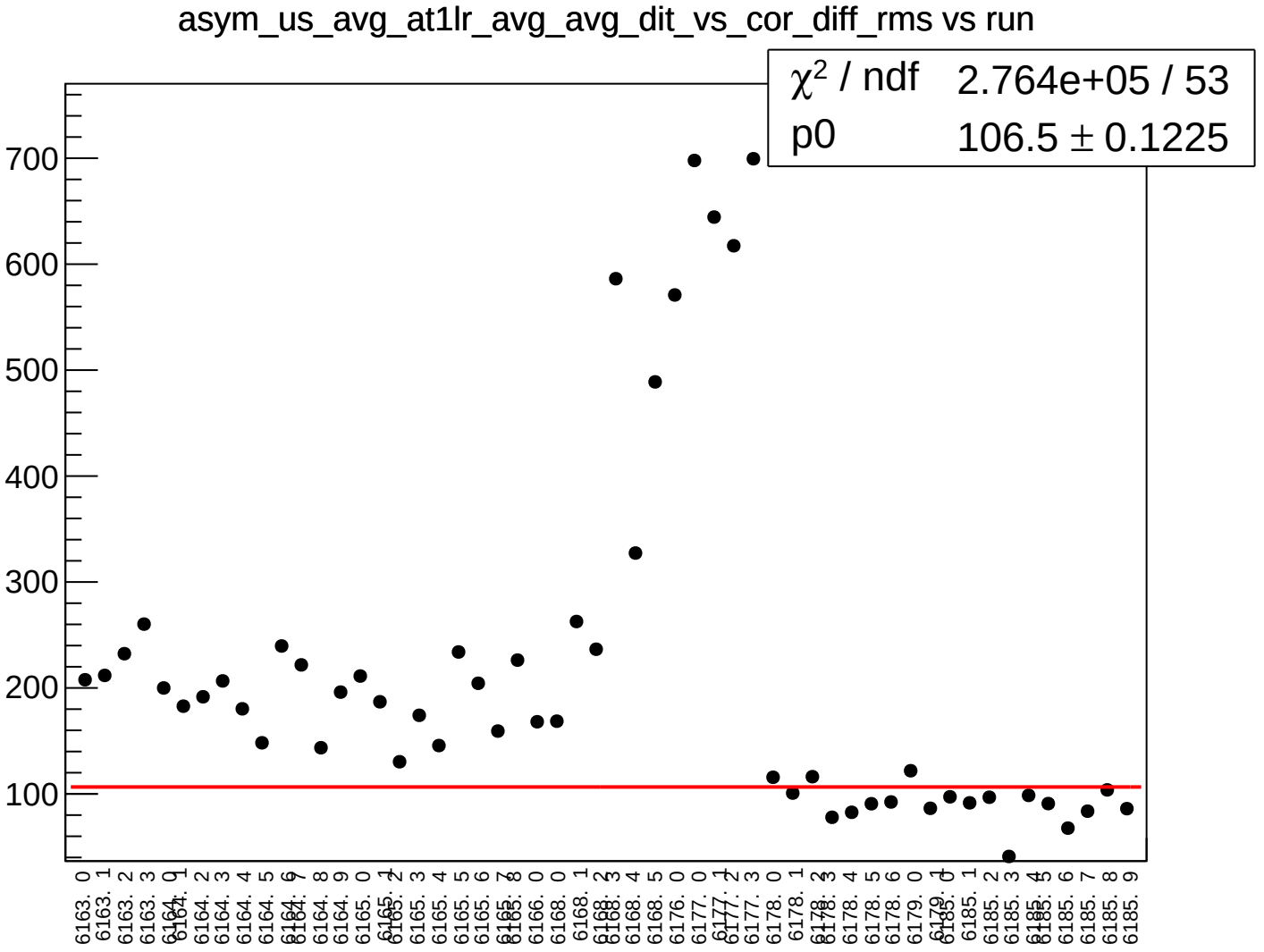


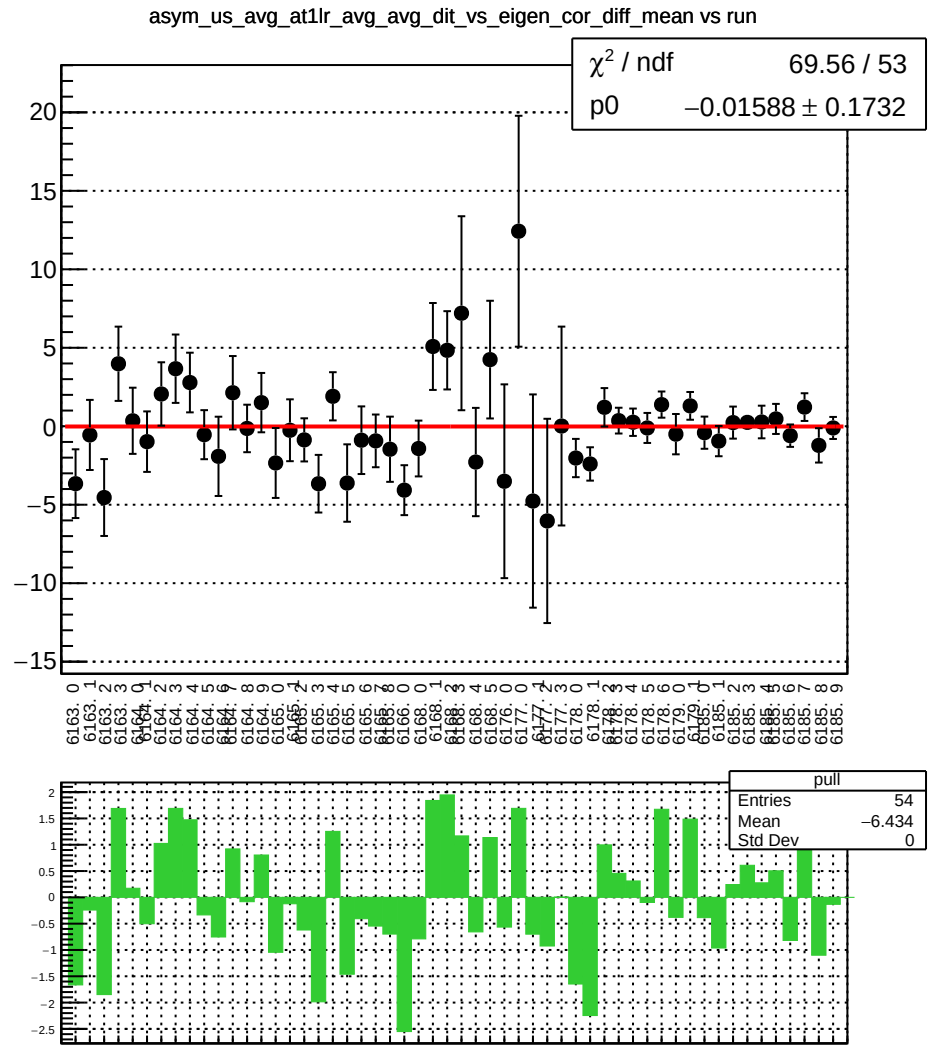


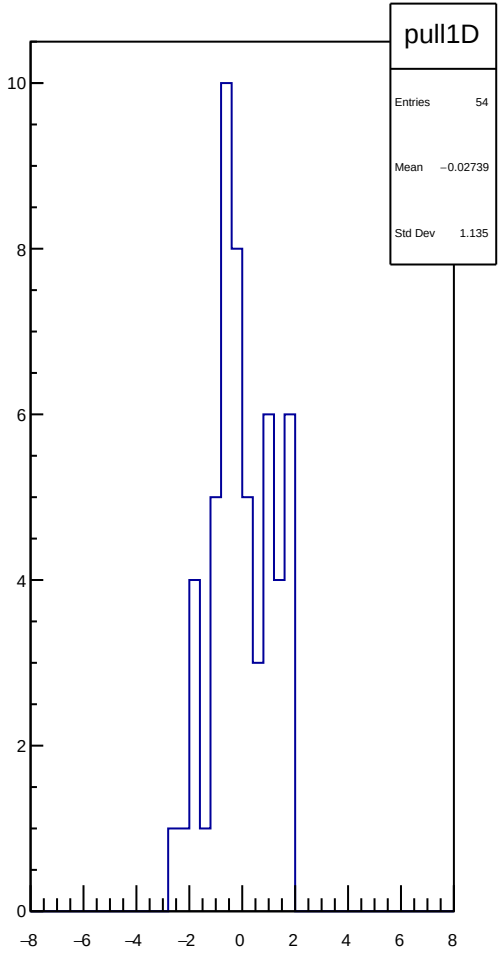

asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.064e+05 / 53
p0 1.824e−10 ± 2.792e−13
1.2
1
0.8
0.6
0.4
0.2
0
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 7
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6165. 7
6165. 8
6166. 0
6168. 0
6168. 1
6168. 2
6168. 3
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 3
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 5
6185. 6
6185. 7
6185. 8
6185. 9

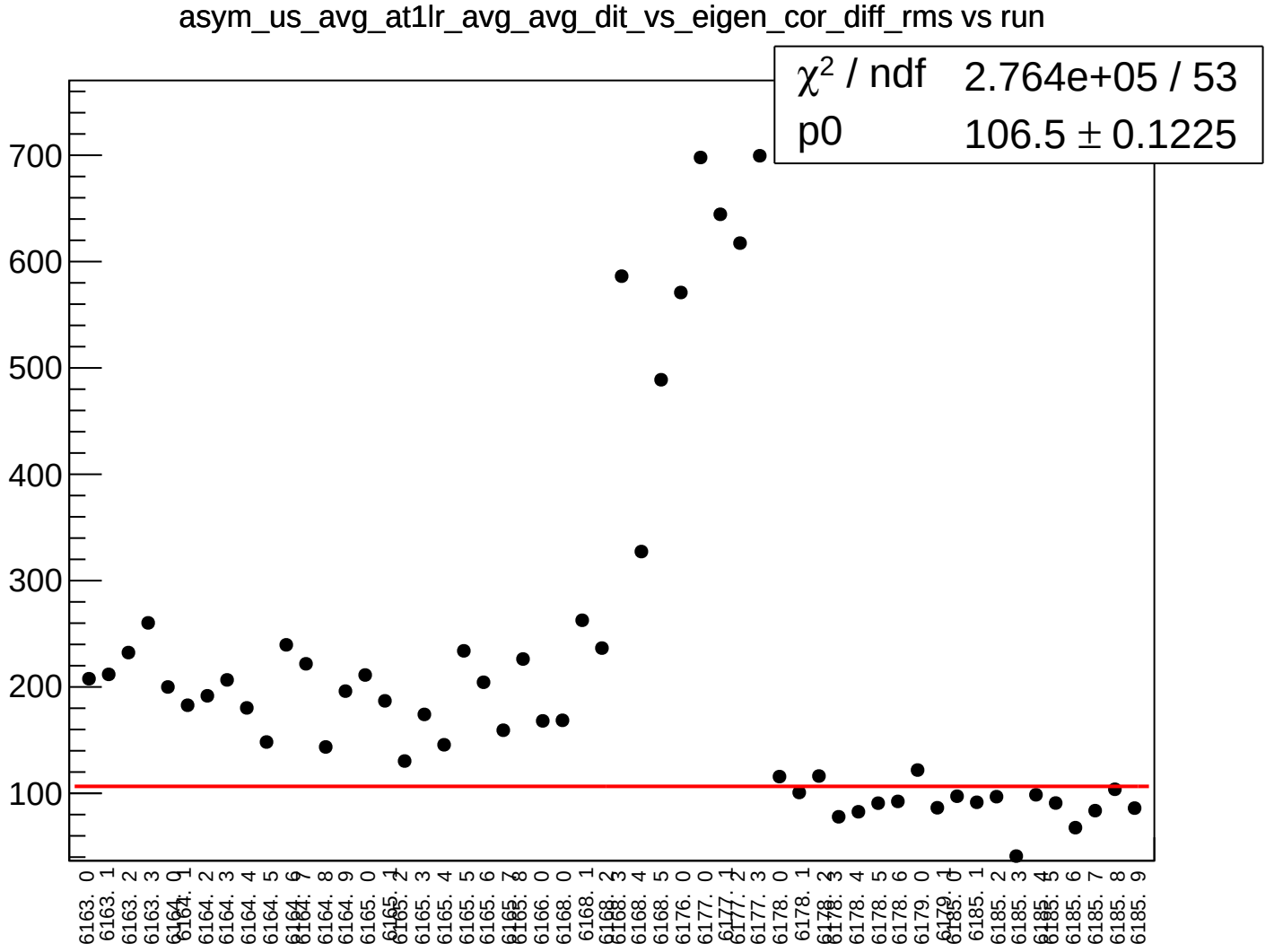

asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 69.56 / 53
p0 −0.01588 ± 0.1732
pull
Entries 54
Mean −6.434
Std Dev 0

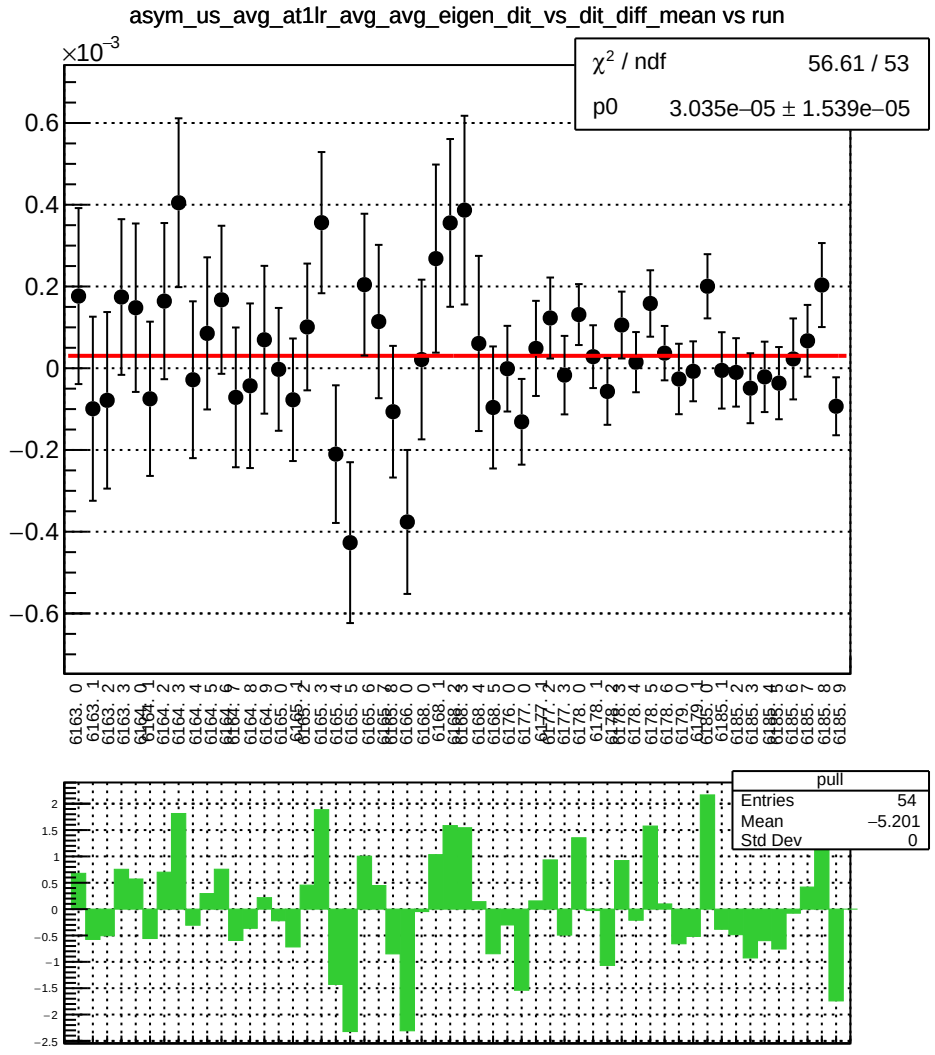

pull1D
Entries 54
Mean −0.02739
Std Dev 1.135

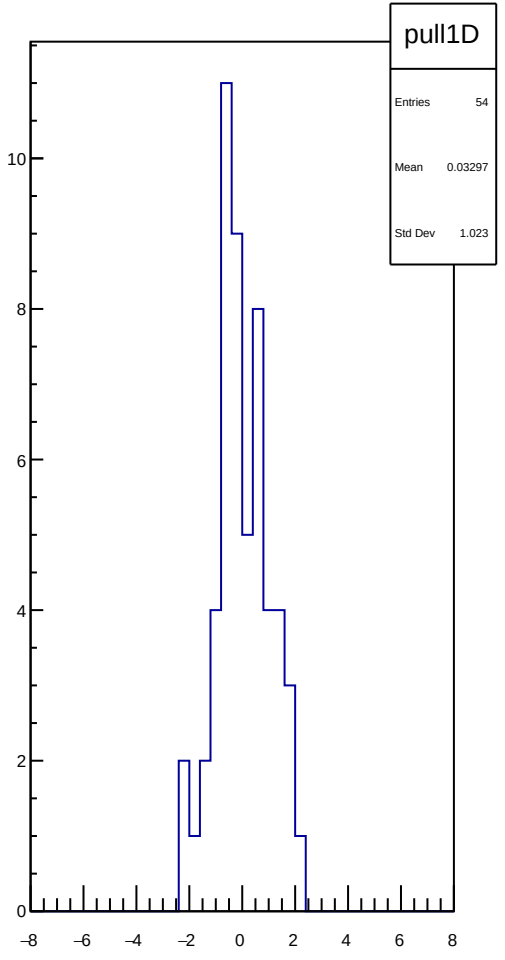

asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 2.764e+05 / 53
p0 106.5 ± 0.1225
700
600
500
400
300
200
100
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

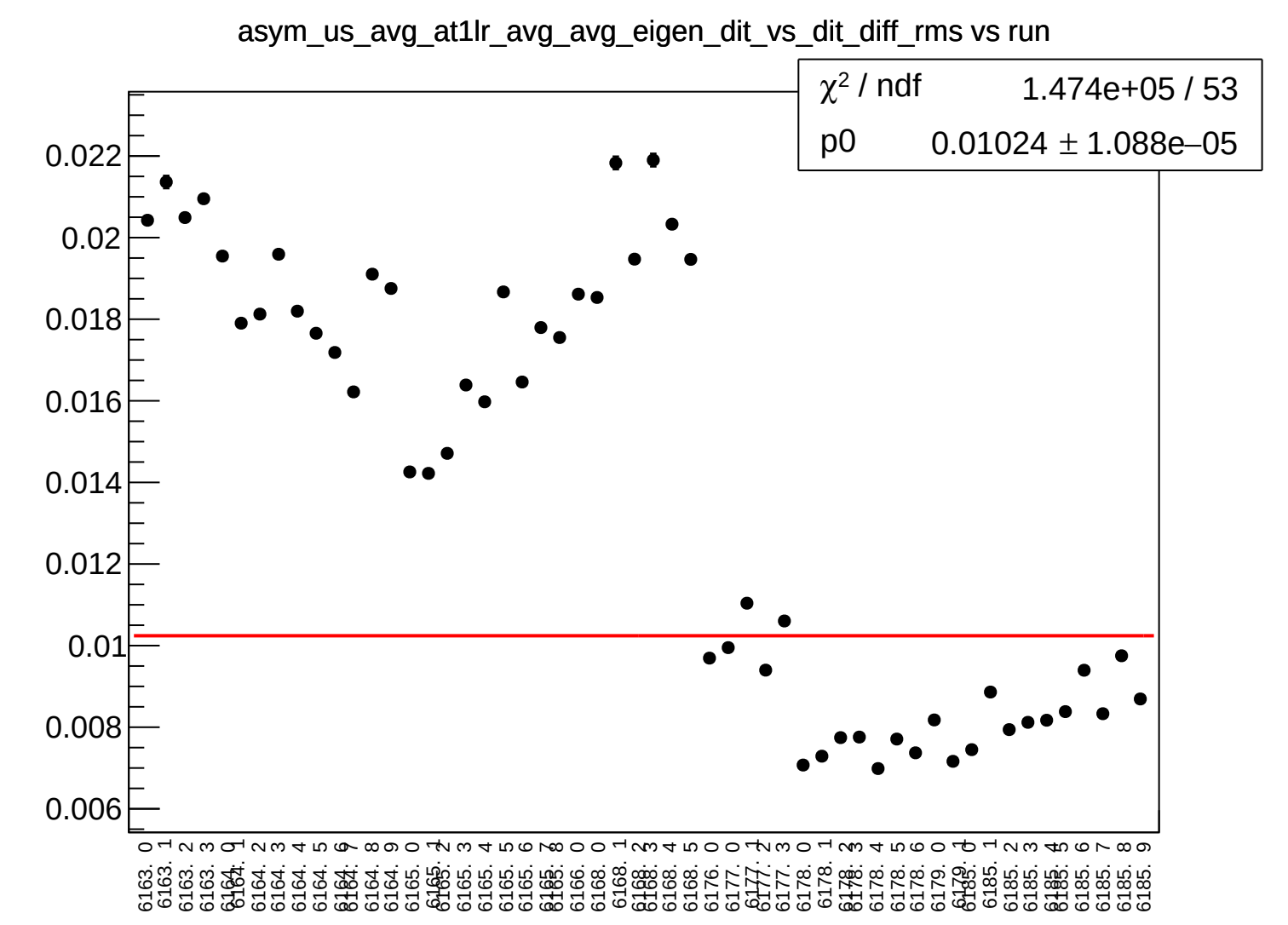

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 69.56 / 53
p0 −0.01588 ± 0.1732
pull
Entries 54
Mean −6.434
Std Dev 0

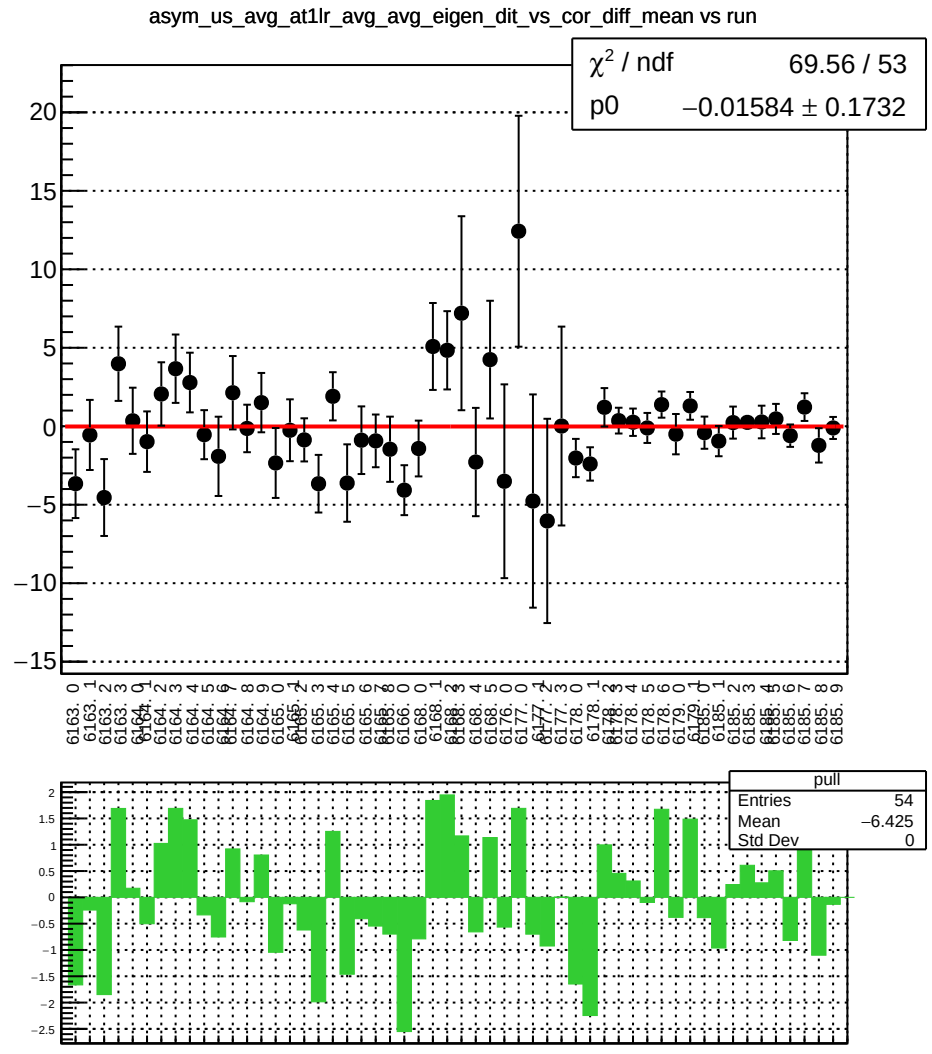

pull1D
Entries 54
Mean −0.02739
Std Dev 1.135

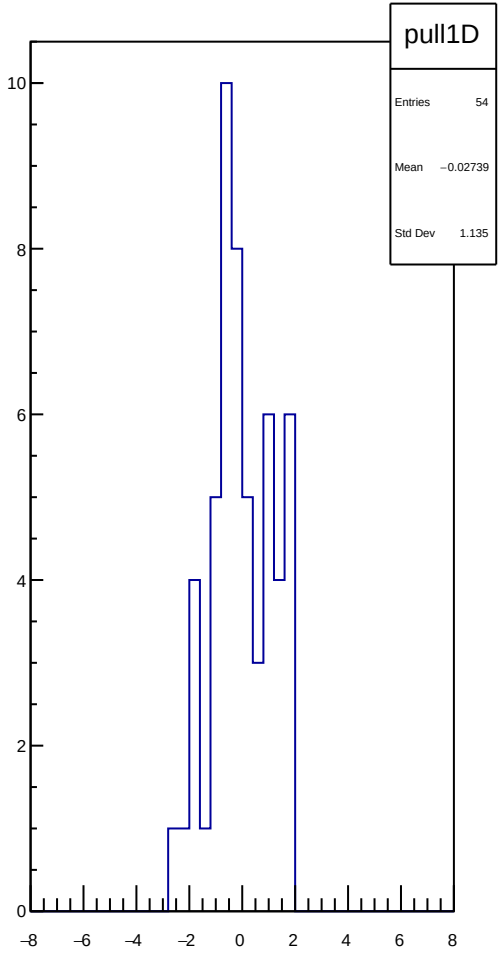

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.764e+05 / 53
p0 106.5 ± 0.1225
700
600
500
400
300
200
100
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

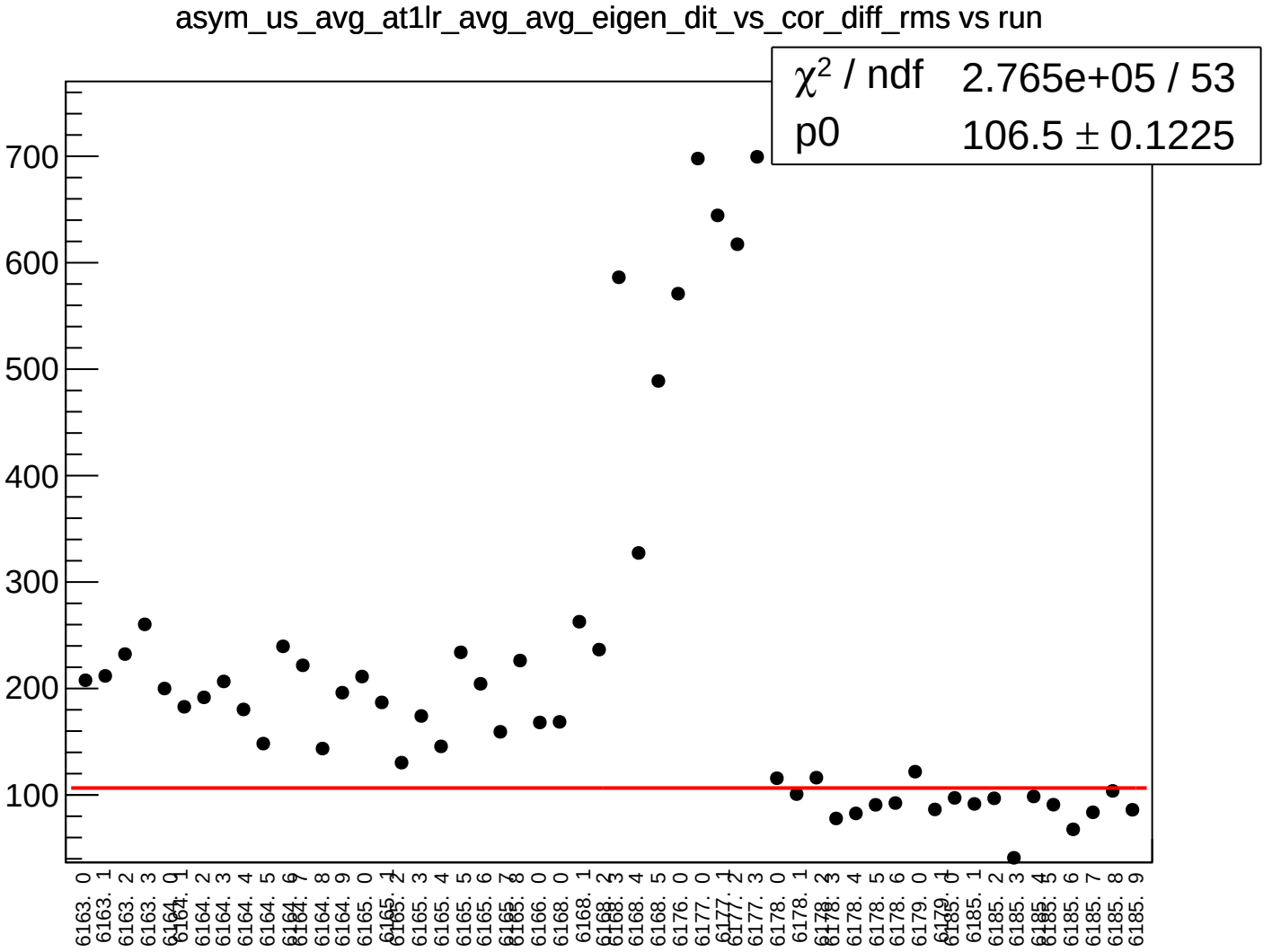

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 56.61 / 53
p0 3.035e−05 ± 1.539e−05
pull
Entries 54
Mean −5.201
Std Dev 0

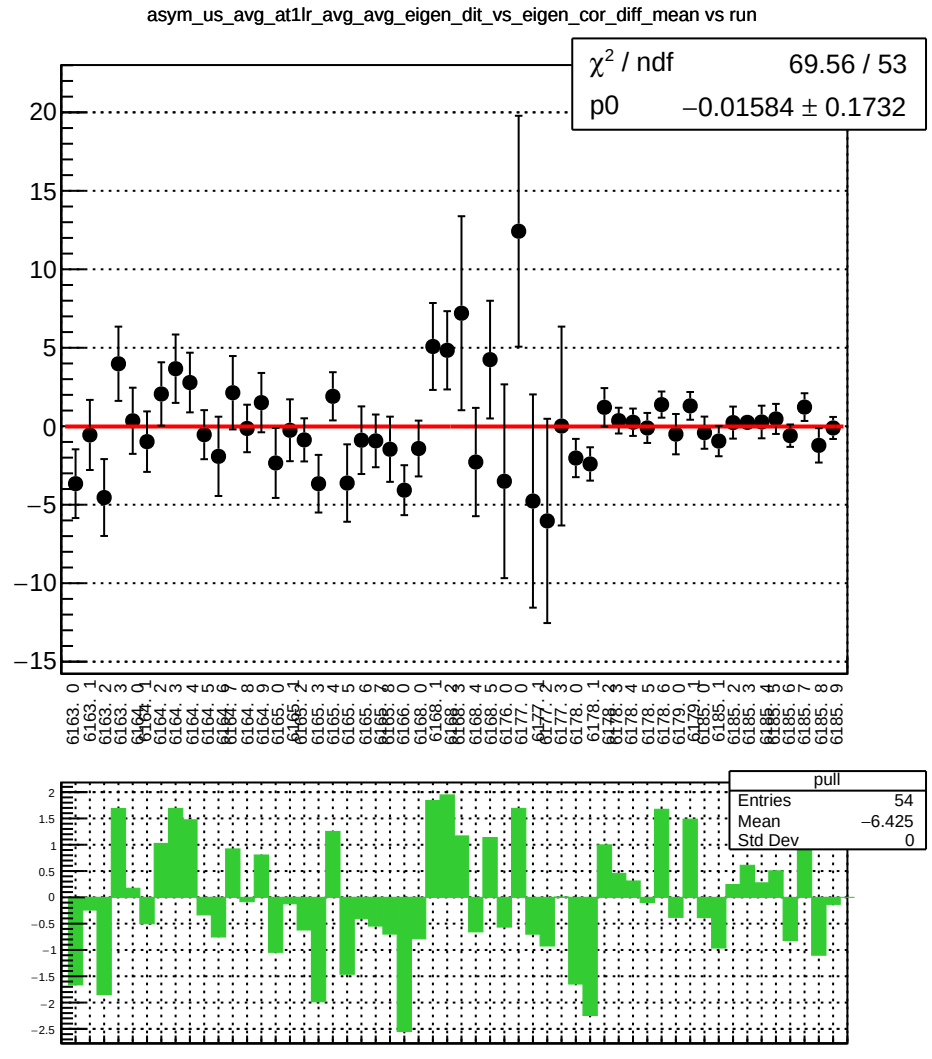

pull1D
Entries 54
Mean 0.03297
Std Dev 1.023

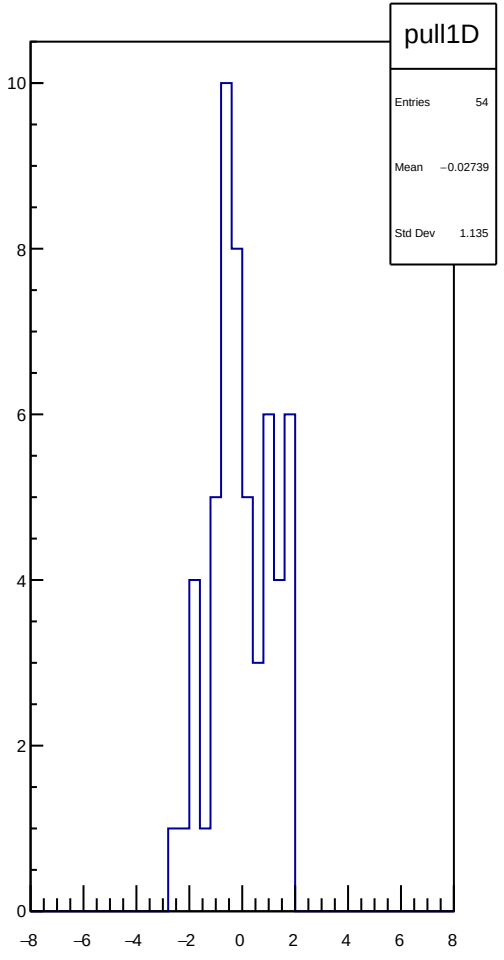

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.474e+05 / 53
p0 0.01024 ± 1.088e−05
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

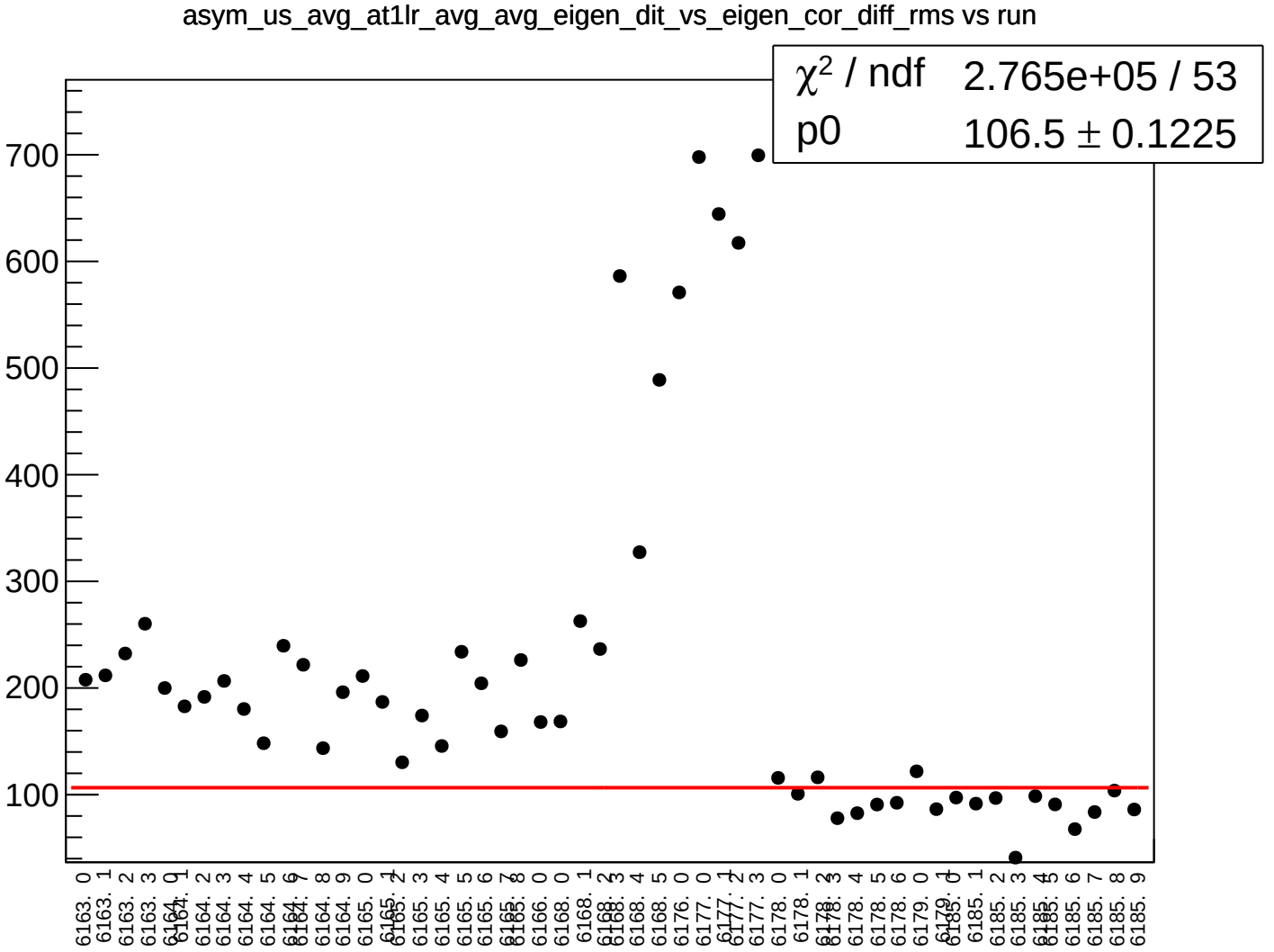

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 69.56 / 53
p0 −0.01584 ± 0.1732
pull
Entries 54
Mean −6.425
Std Dev 0

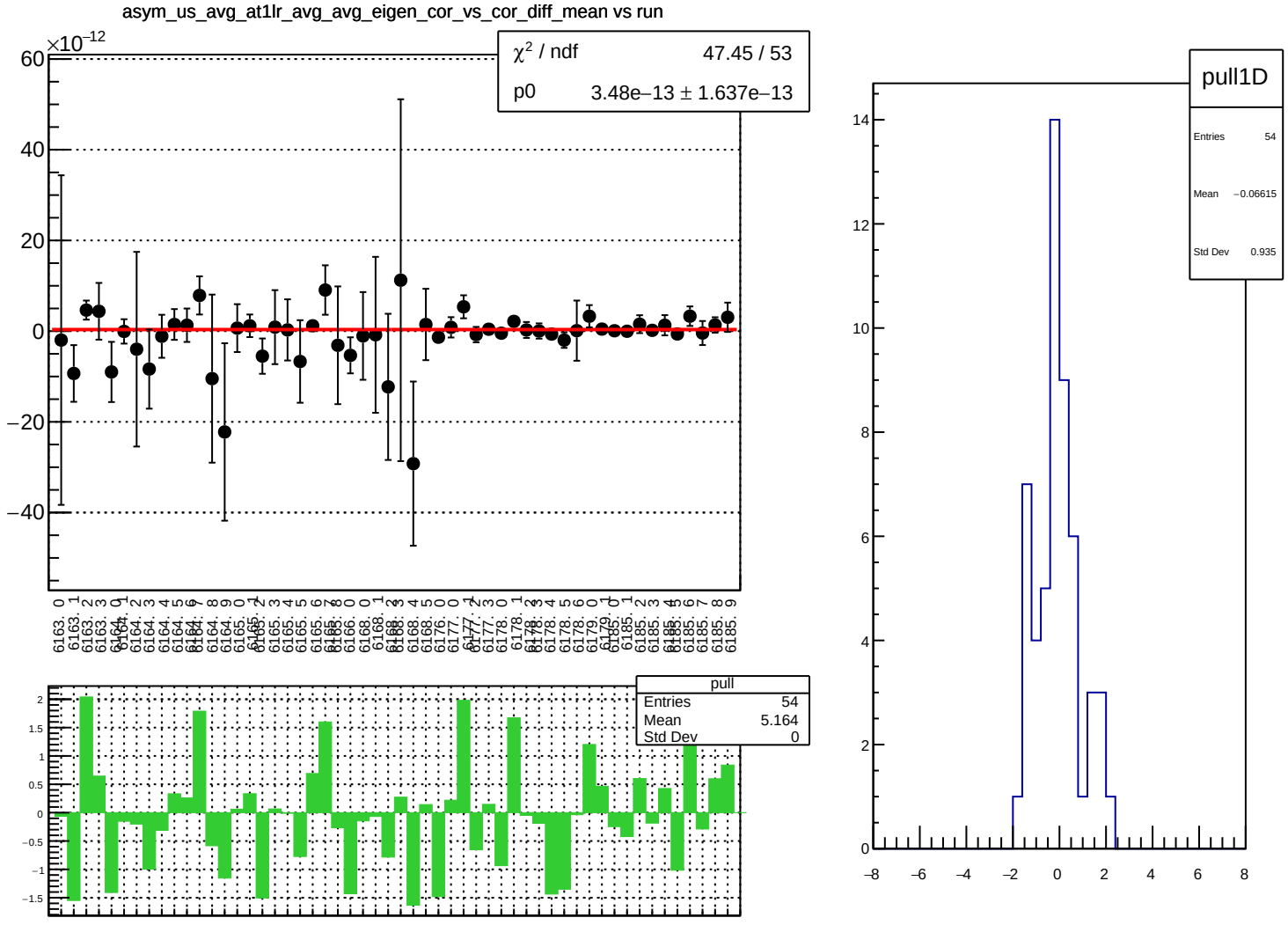

pull1D
Entries 54
Mean −0.02739
Std Dev 1.135

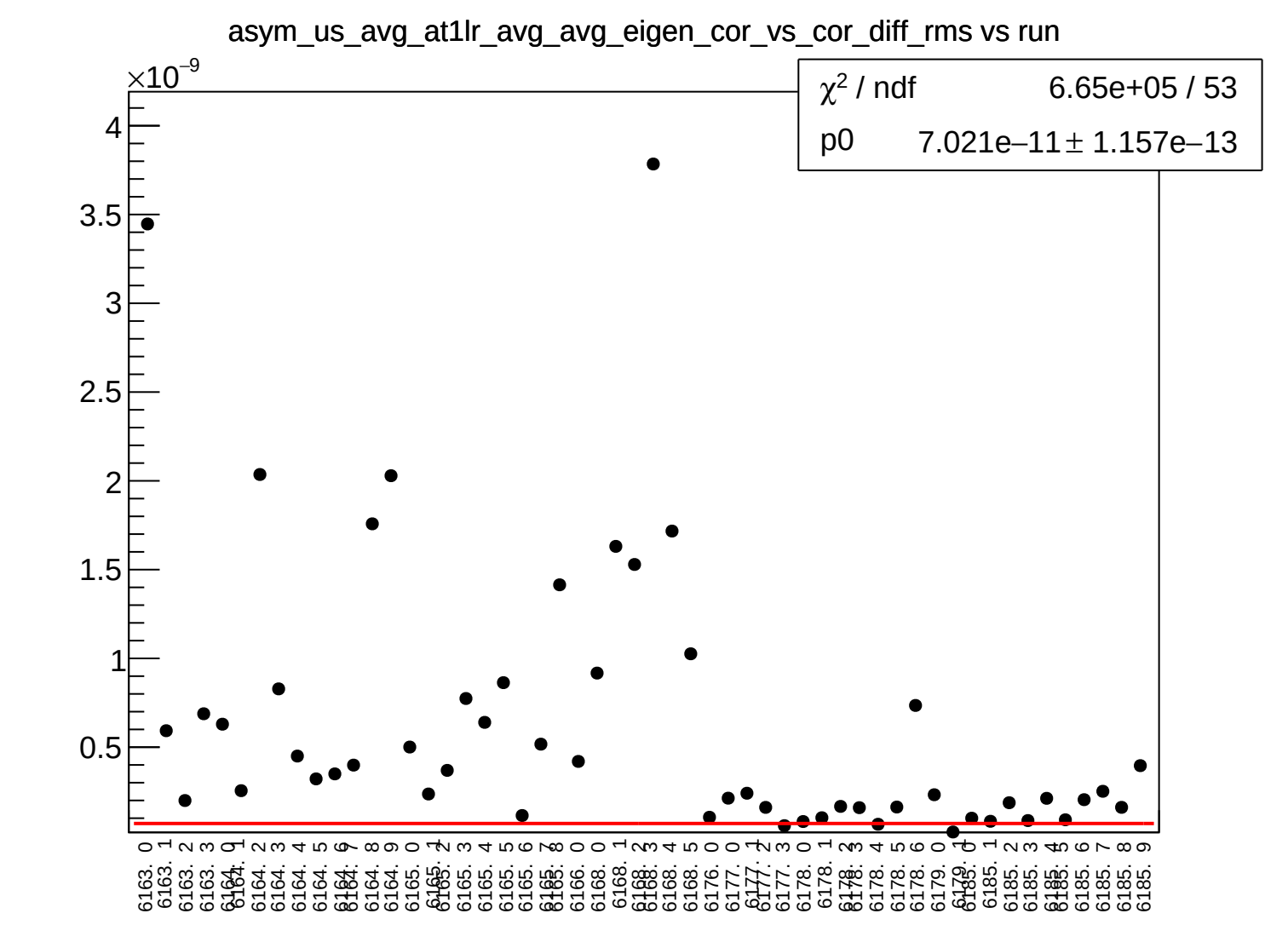

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.765e+05 / 53
p0 106.5 ± 0.1225
700
600
500
400
300
200
100
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

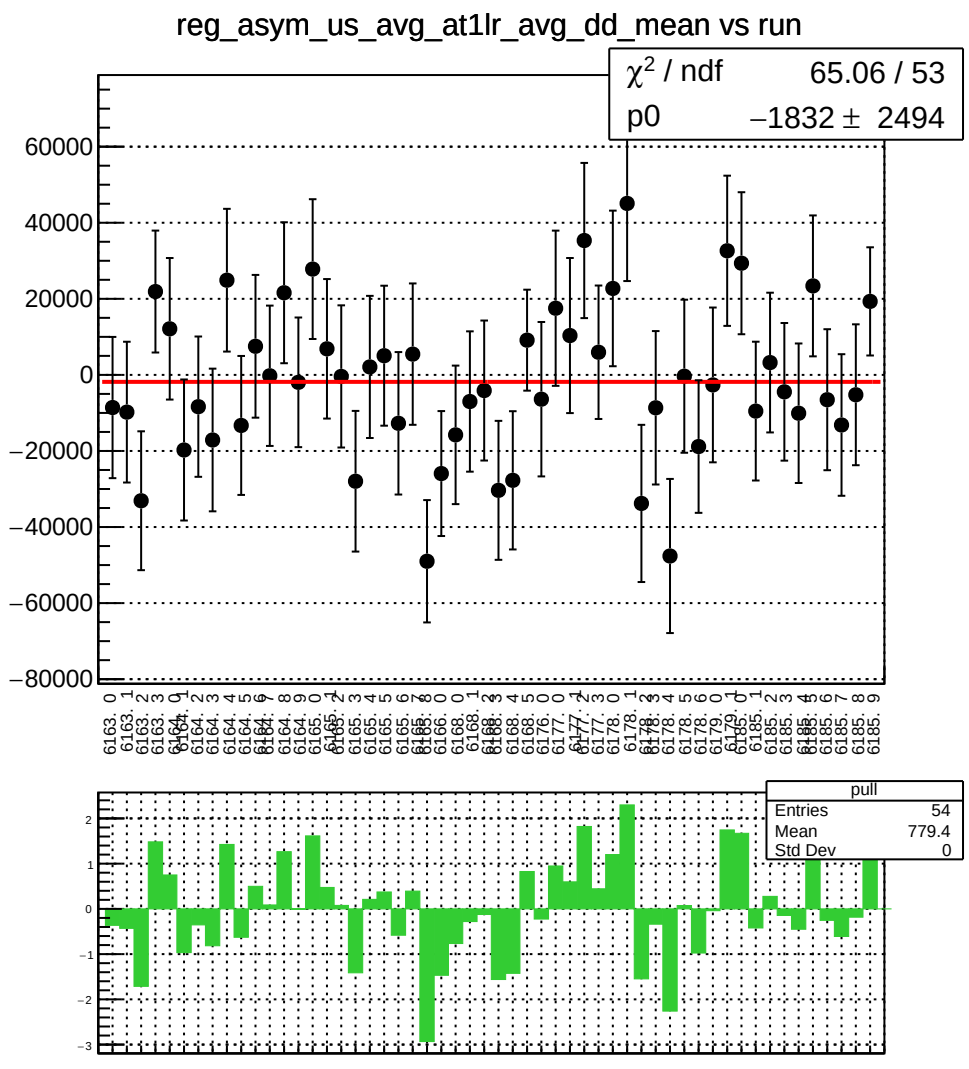

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 69.56 / 53
p0 −0.01584 ± 0.1732
pull
Entries 54
Mean −6.425
Std Dev 0

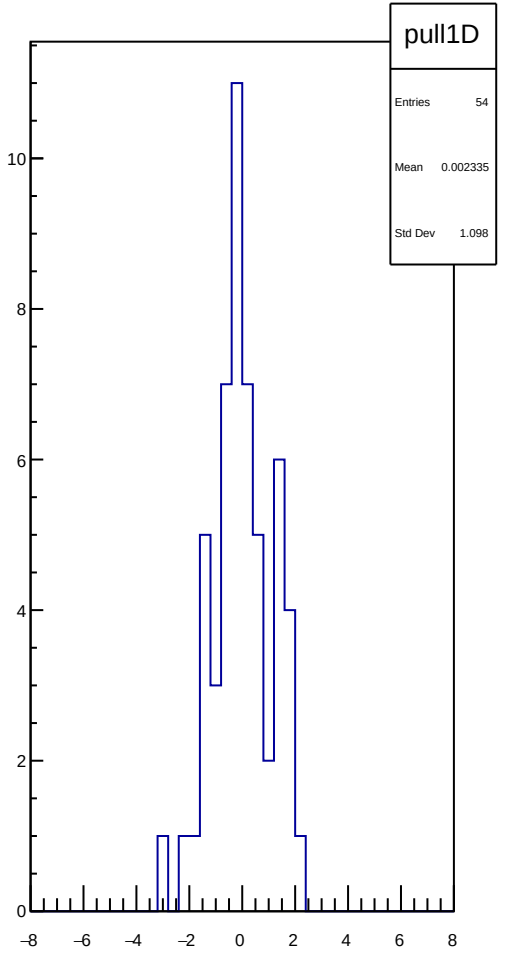

pull1D
Entries 54
Mean −0.02739
Std Dev 1.135

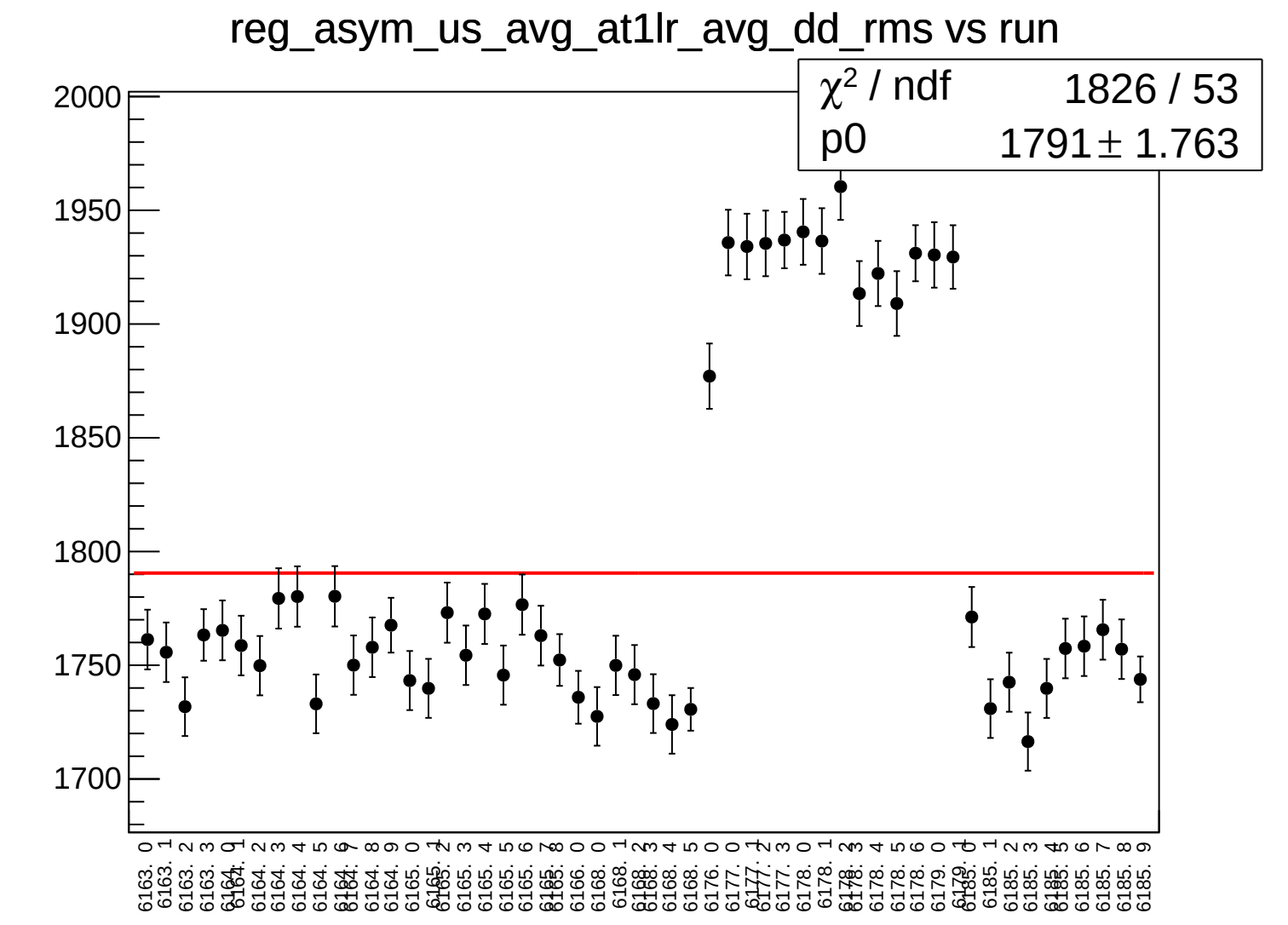

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.765e+05 / 53
p0 106.5 ± 0.1225
700
600
500
400
300
200
100
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

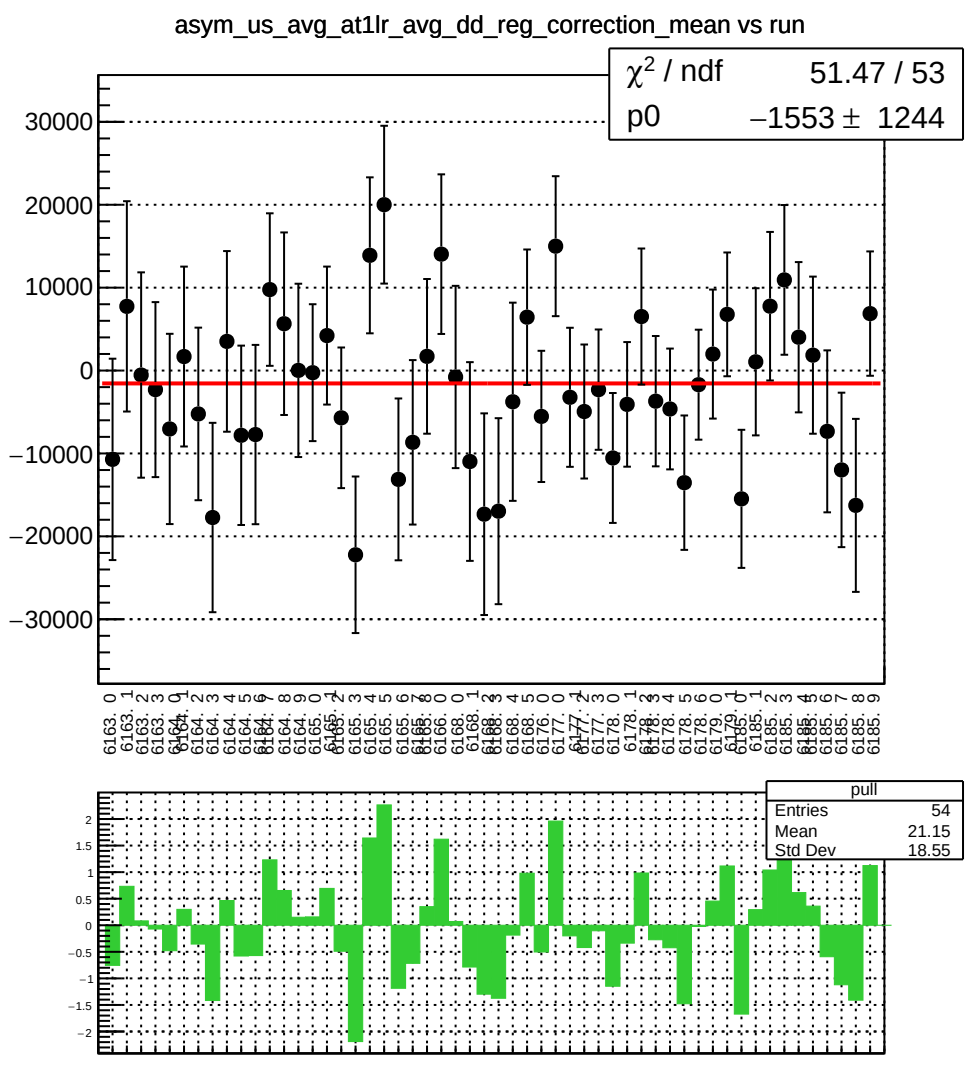

asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 47.45 / 53
p0 3.48e−13 ± 1.637e−13
pull
Entries 54
Mean 5.164
Std Dev 0
pull1D
Entries 54
Mean −0.06615
Std Dev 0.935

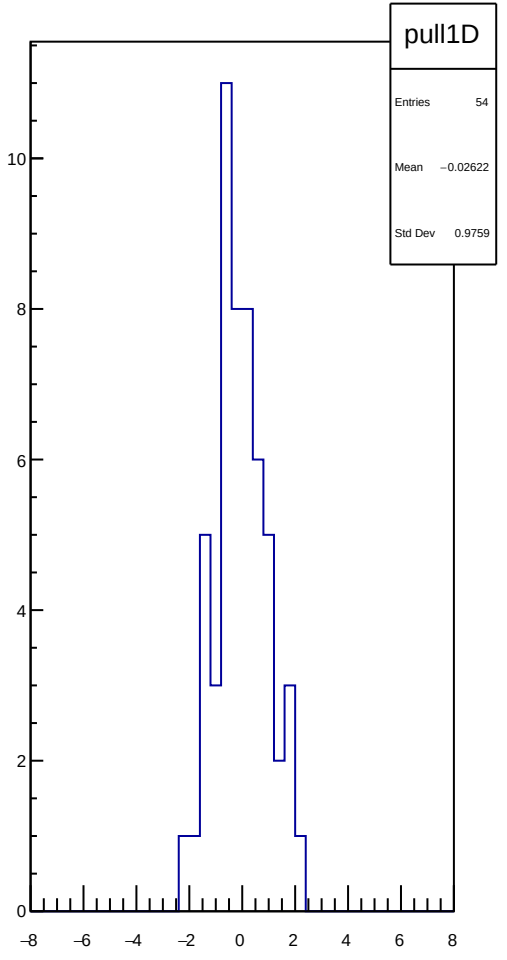

asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.65e+05 / 53
p0 7.021e−11 ± 1.157e−13
4
3.5
3
2.5
2
1.5
1
0.5
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

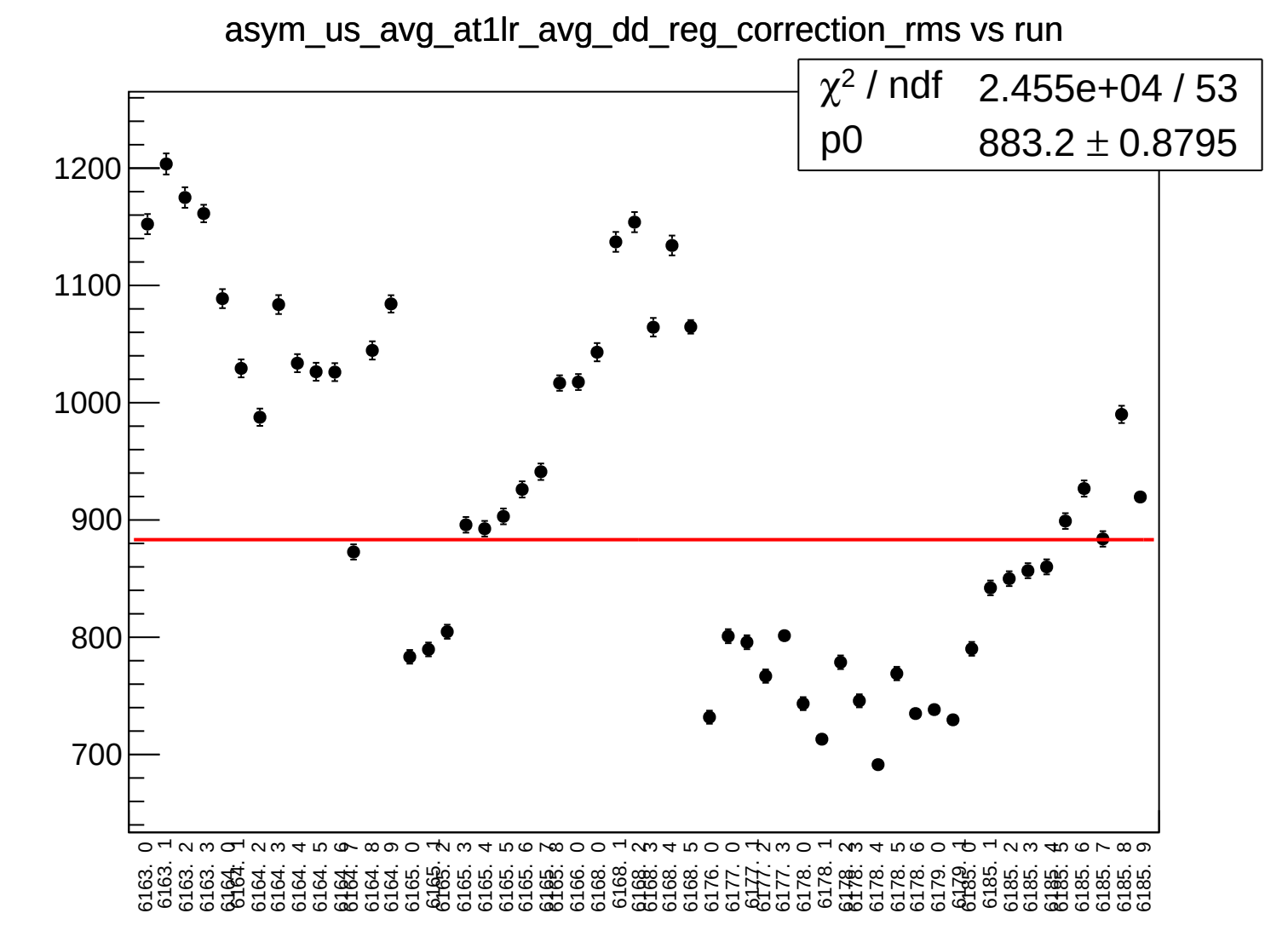

reg_asym_us_avg_at1lr_avg_dd_mean vs run
χ² / ndf 65.06 / 53
p0 −1832 ± 2494
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 54
Mean 779.4
Std Dev 0
2
1
0
−1
−2
−3

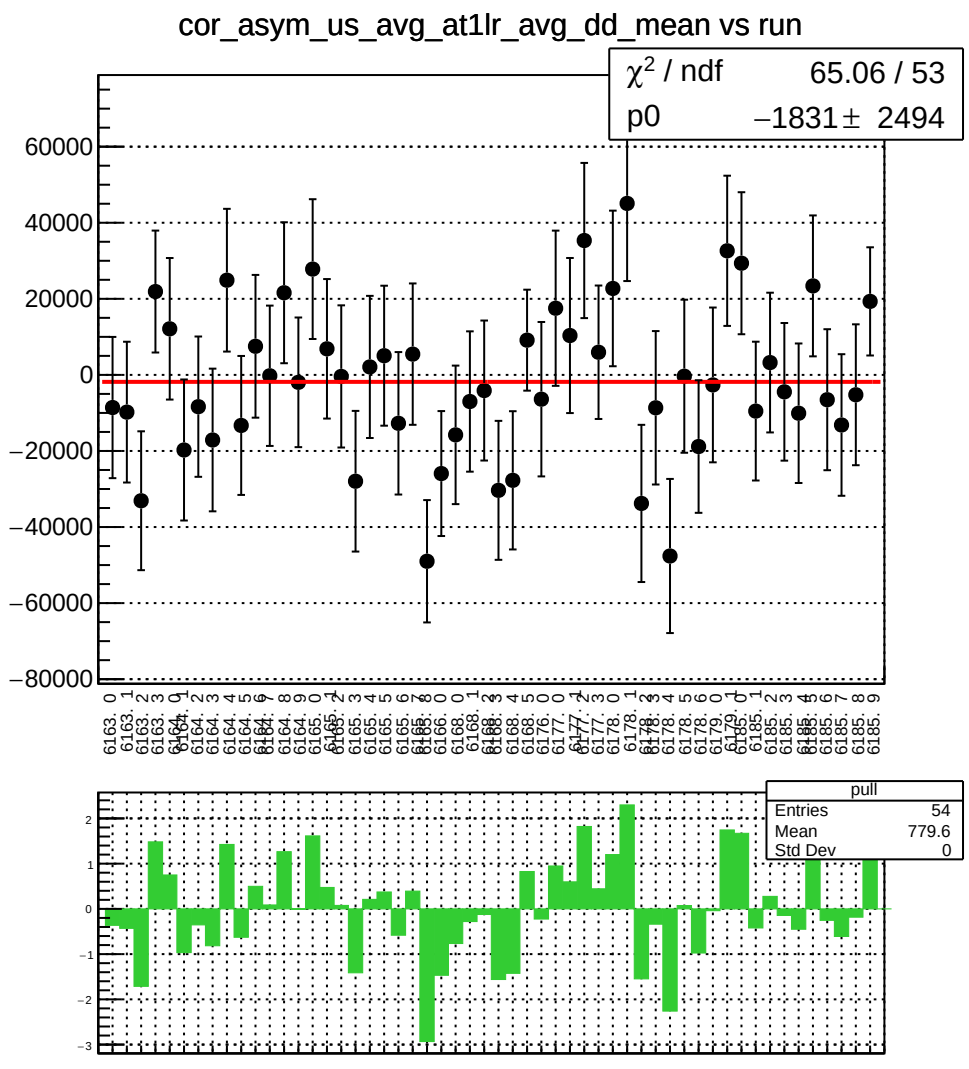

pull1D
Entries 54
Mean 0.002335
Std Dev 1.098
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

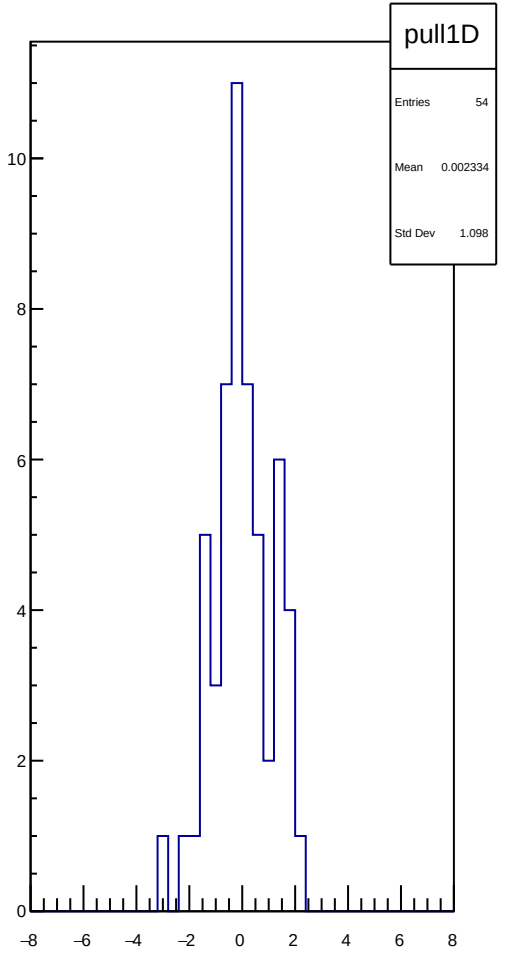

reg_asym_us_avg_at1lr_avg_dd_rms vs run
χ² / ndf 1826 / 53
p0 1791 ± 1.763
2000
1950
1900
1850
1800
1750
1700
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

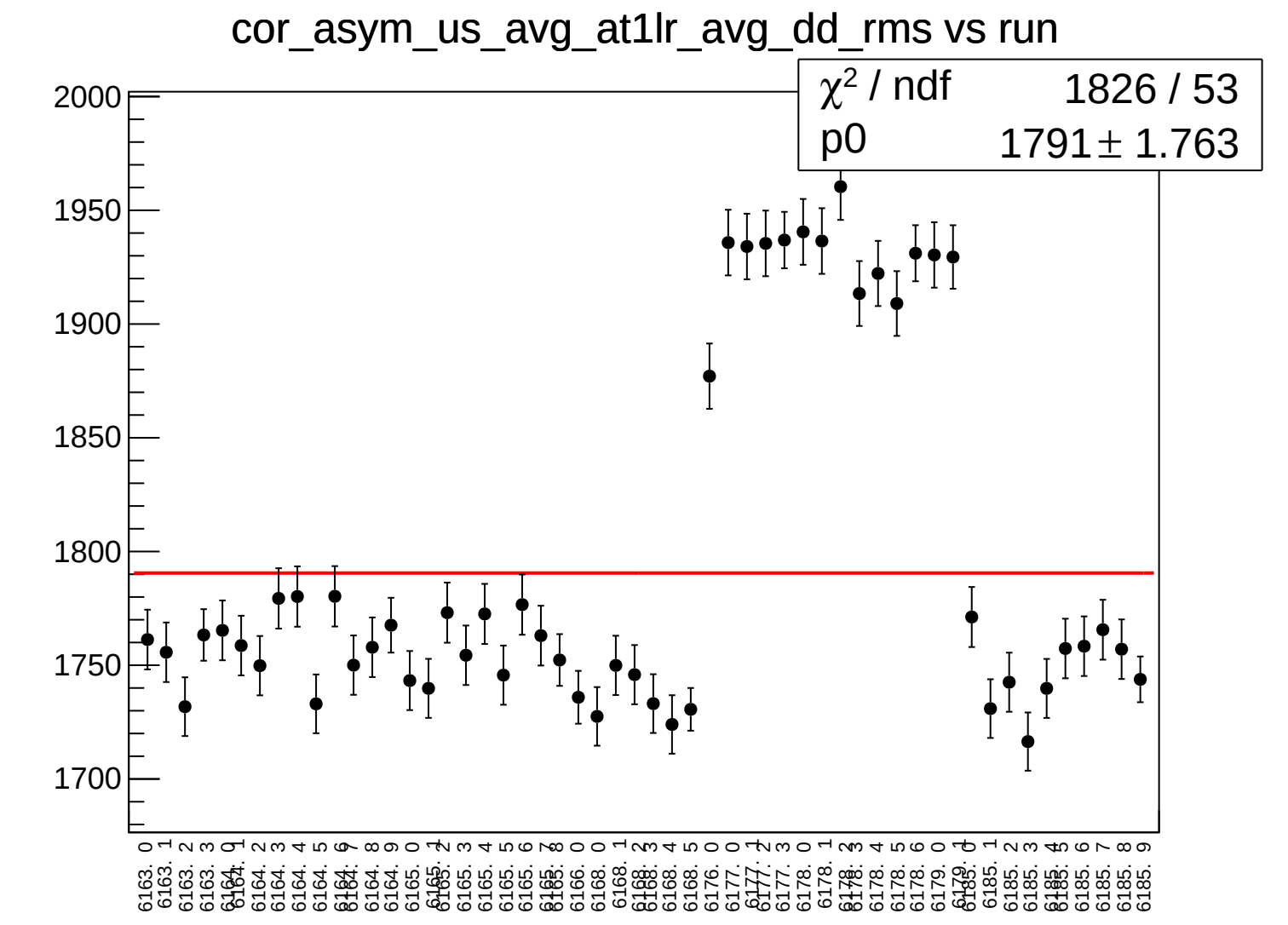

asym_us_avg_at1lr_avg_dd_reg_correction_mean vs run
χ² / ndf 51.47 / 53
p0 −1553 ± 1244
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 54
Mean 21.15
Std Dev 18.55
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

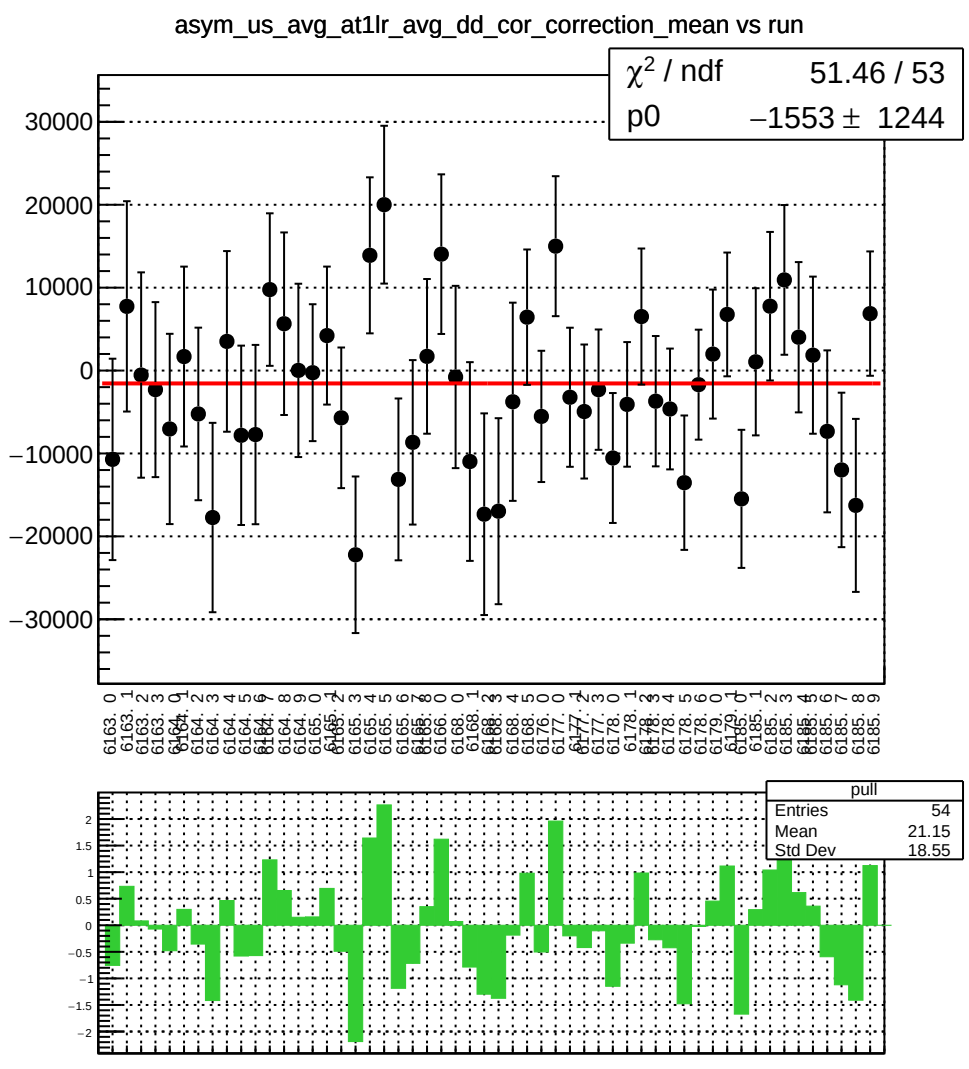

pull1D
Entries 54
Mean −0.02622
Std Dev 0.9759
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

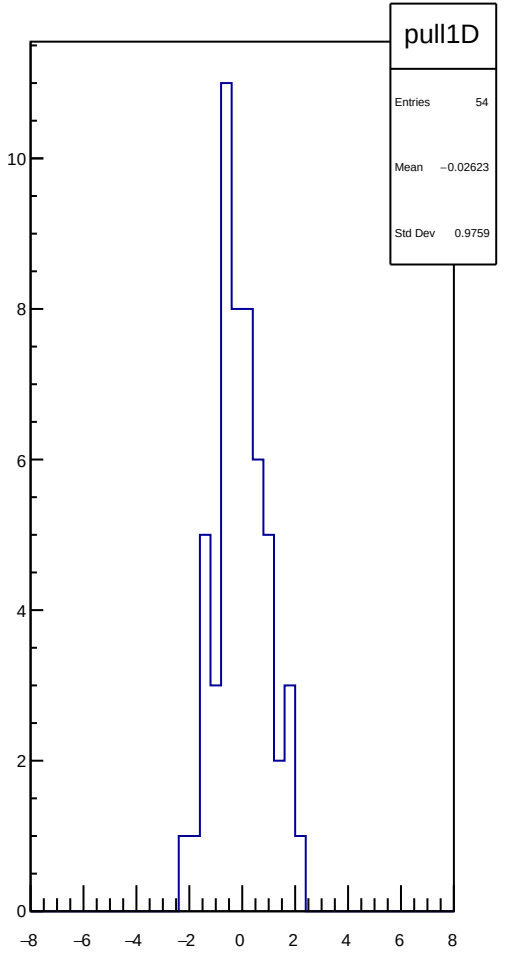

asym_us_avg_at1lr_avg_dd_reg_correction_rms vs run
χ² / ndf 2.455e+04 / 53
p0 883.2 ± 0.8795
1200
1100
1000
900
800
700
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

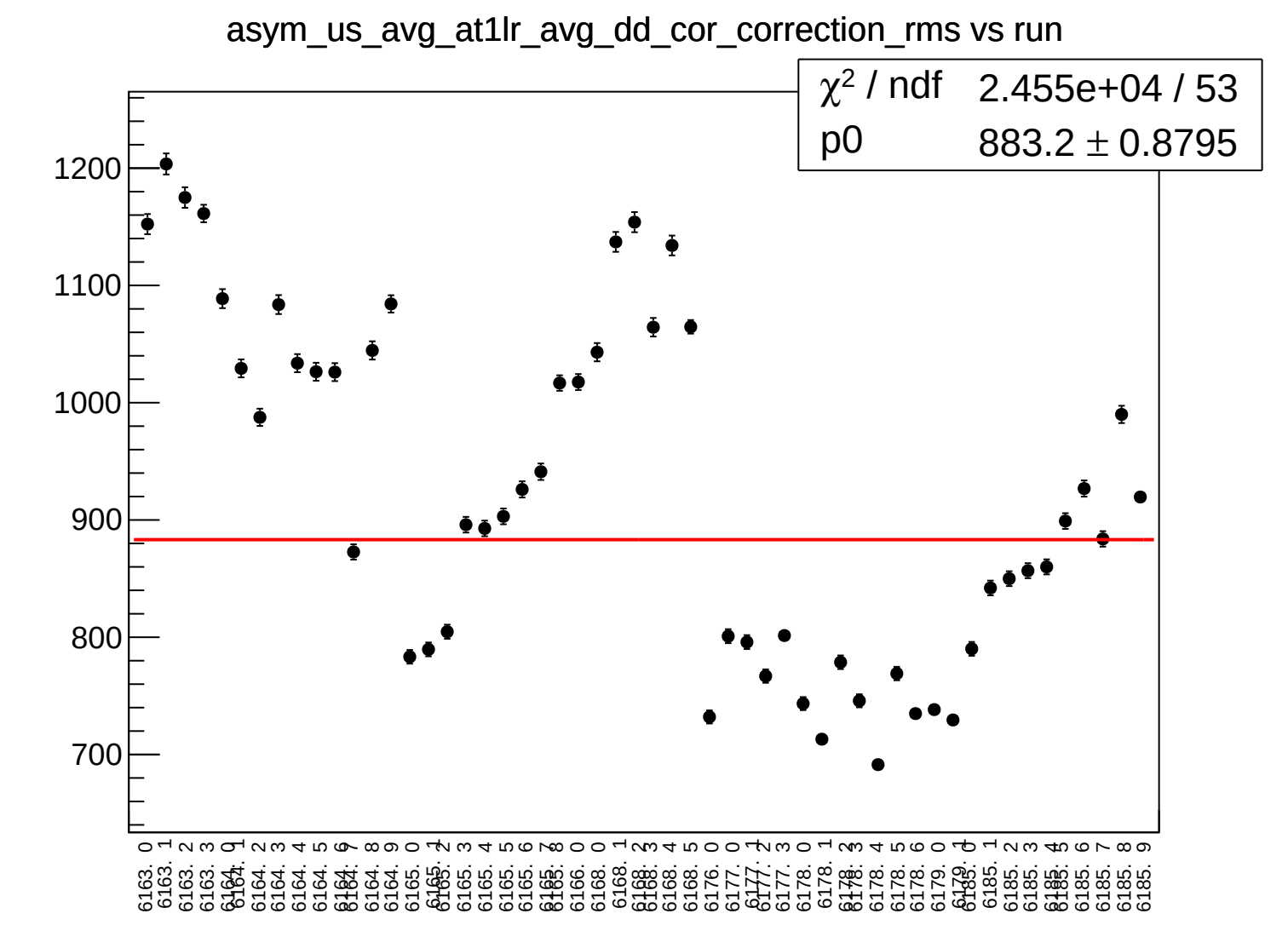

cor_asym_us_avg_at1lr_avg_dd_mean vs run
χ² / ndf 65.06 / 53
p0 −1831 ± 2494
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 54
Mean 779.6
Std Dev 0
2
1
0
−1
−2
−3

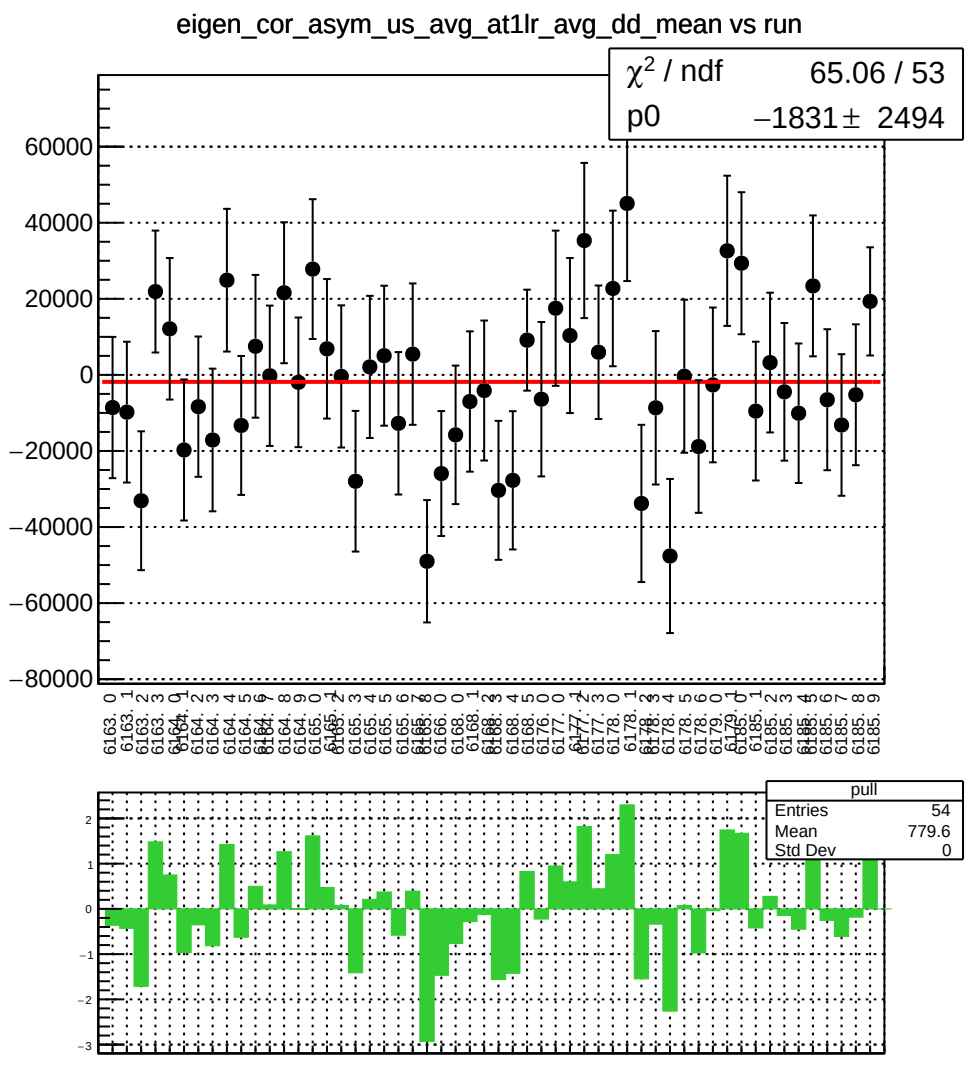

pull1D
Entries 54
Mean 0.002334
Std Dev 1.098
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

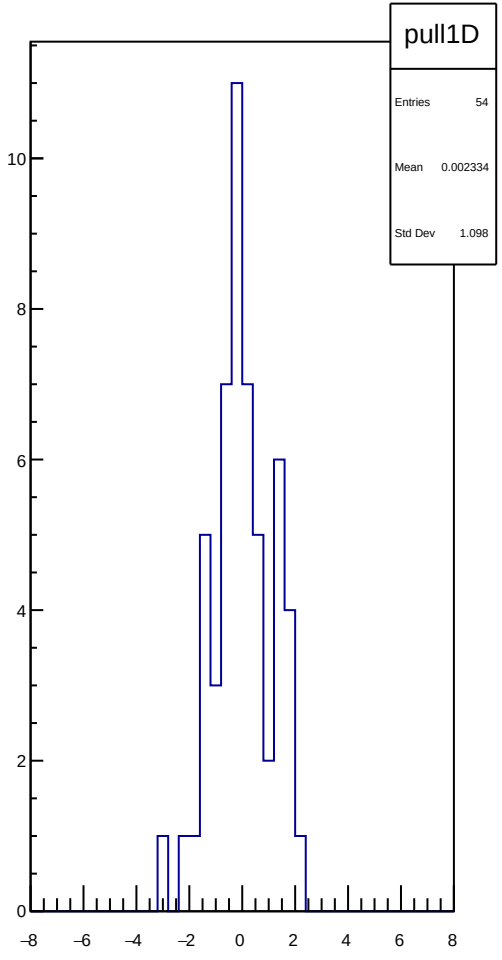

cor_asym_us_avg_at1lr_avg_dd_rms vs run
χ² / ndf 1826 / 53
p0 1791 ± 1.763
2000
1950
1900
1850
1800
1750
1700
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

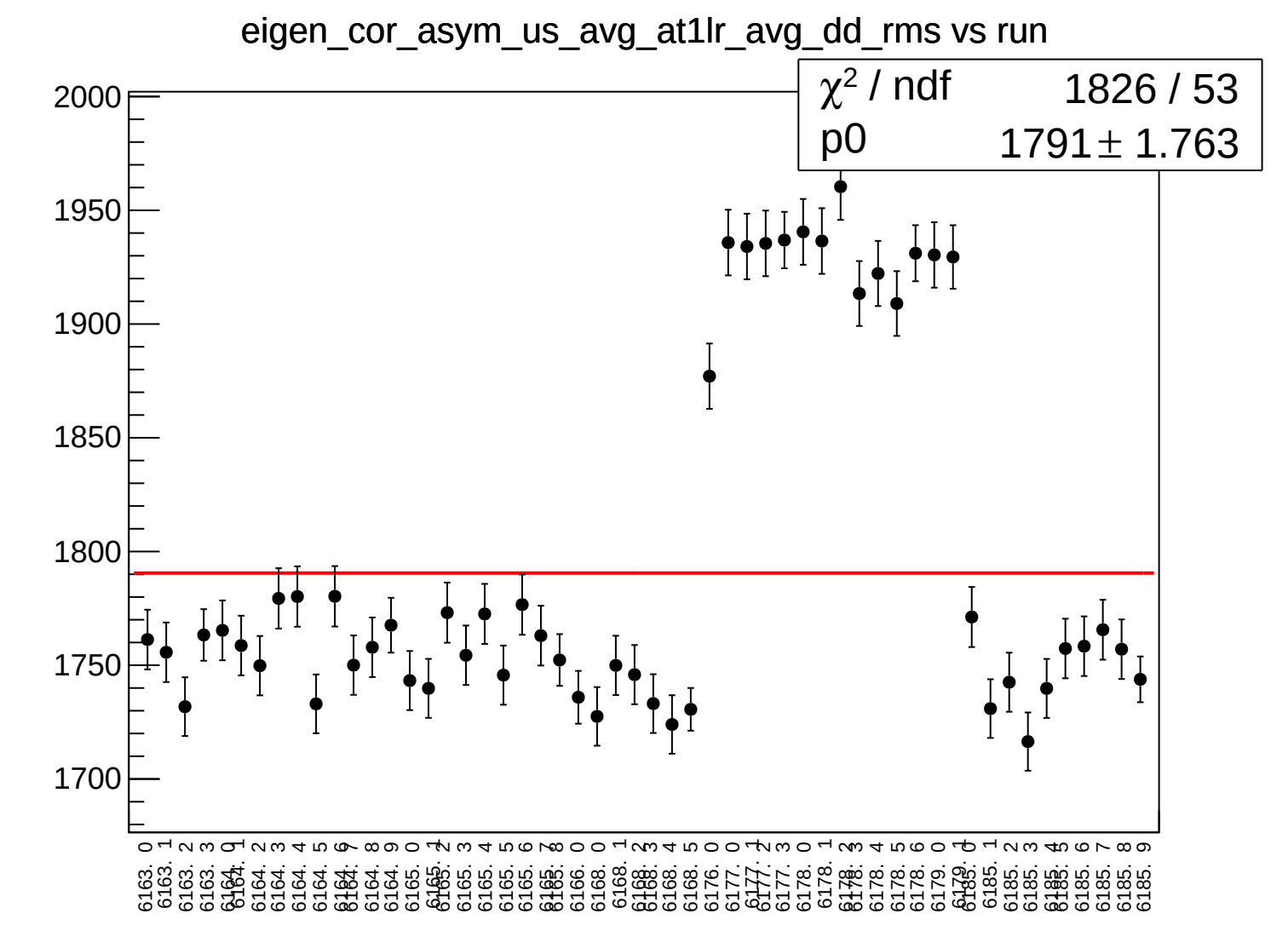

asym_us_avg_at1lr_avg_dd_cor_correction_mean vs run
χ² / ndf 51.46 / 53
p0 −1553 ± 1244
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 54
Mean 21.15
Std Dev 18.55
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

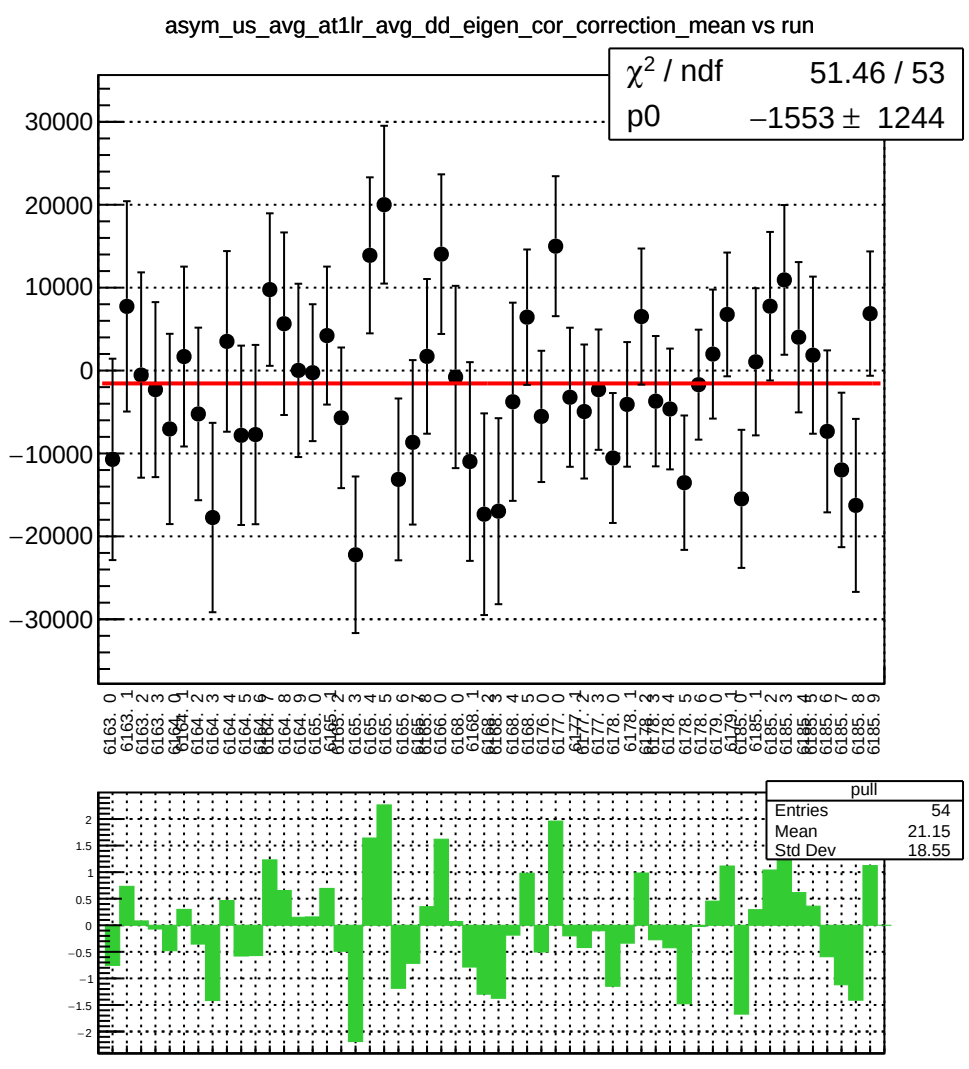

pull1D
Entries 54
Mean −0.02623
Std Dev 0.9759
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

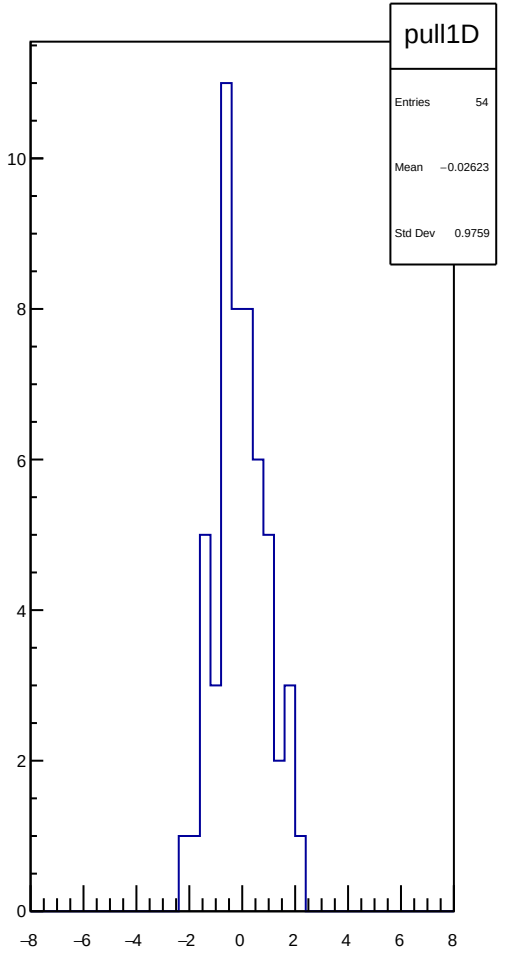

asym_us_avg_at1lr_avg_dd_cor_correction_rms vs run
χ² / ndf 2.455e+04 / 53
p0 883.2 ± 0.8795
1200
1100
1000
900
800
700
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

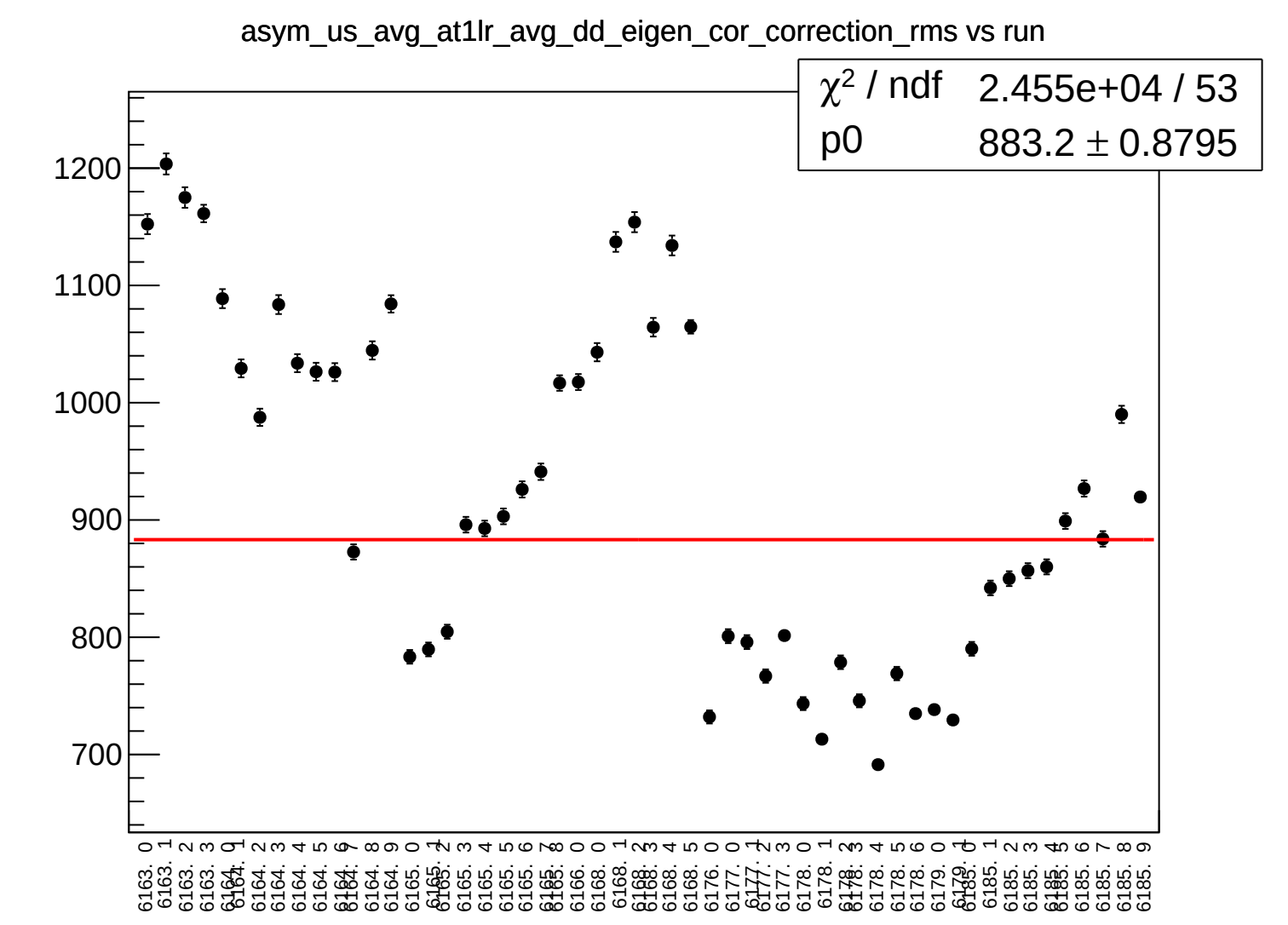

eigen_cor_asym_us_avg_at1lr_avg_dd_mean vs run
χ² / ndf 65.06 / 53
p0 −1831 ± 2494
pull
Entries 54
Mean 779.6
Std Dev 0

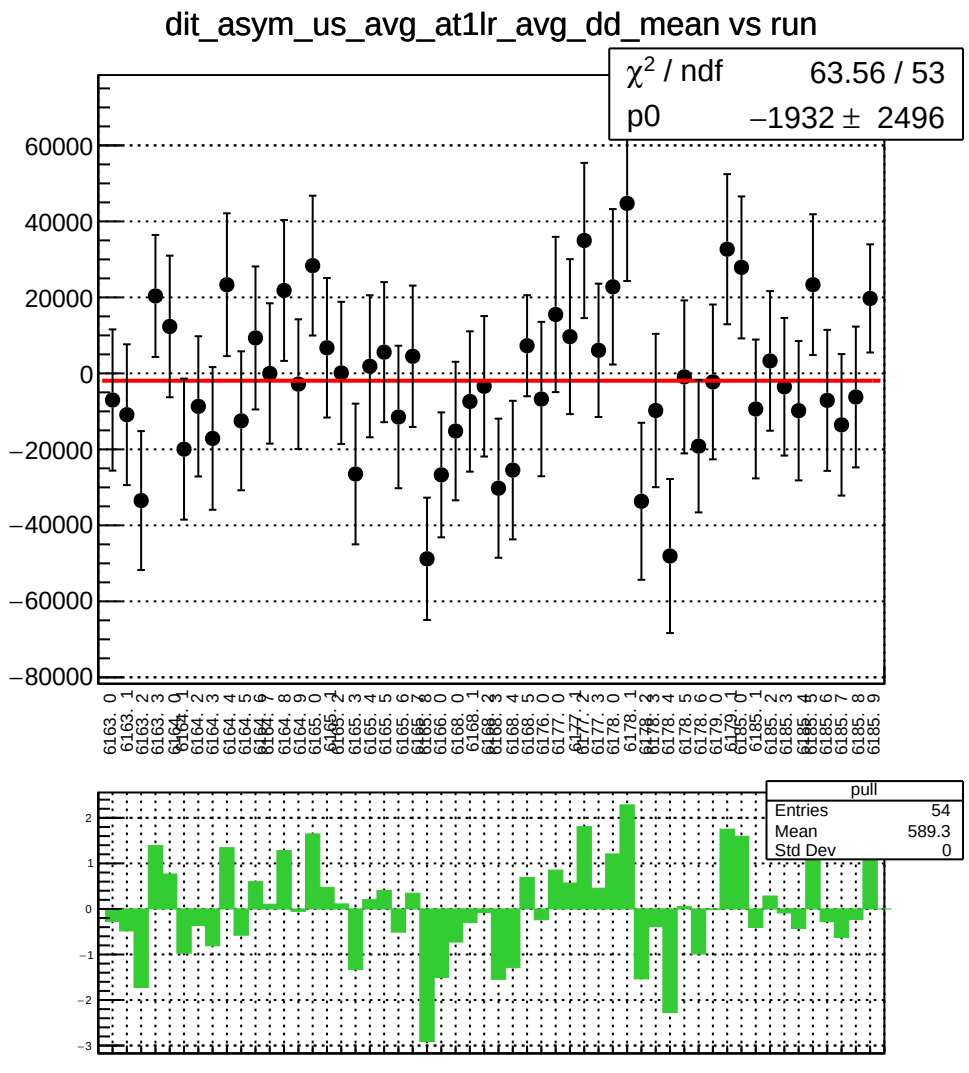

pull1D
Entries 54
Mean 0.002334
Std Dev 1.098

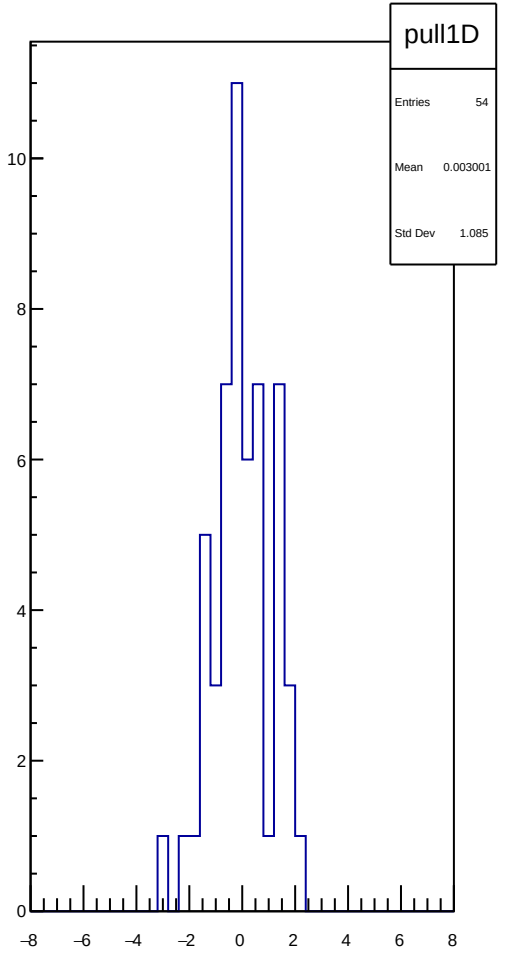

eigen_cor_asym_us_avg_at1lr_avg_dd_rms vs run
χ² / ndf 1826 / 53
p0 1791 ± 1.763
2000
1950
1900
1850
1800
1750
1700
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

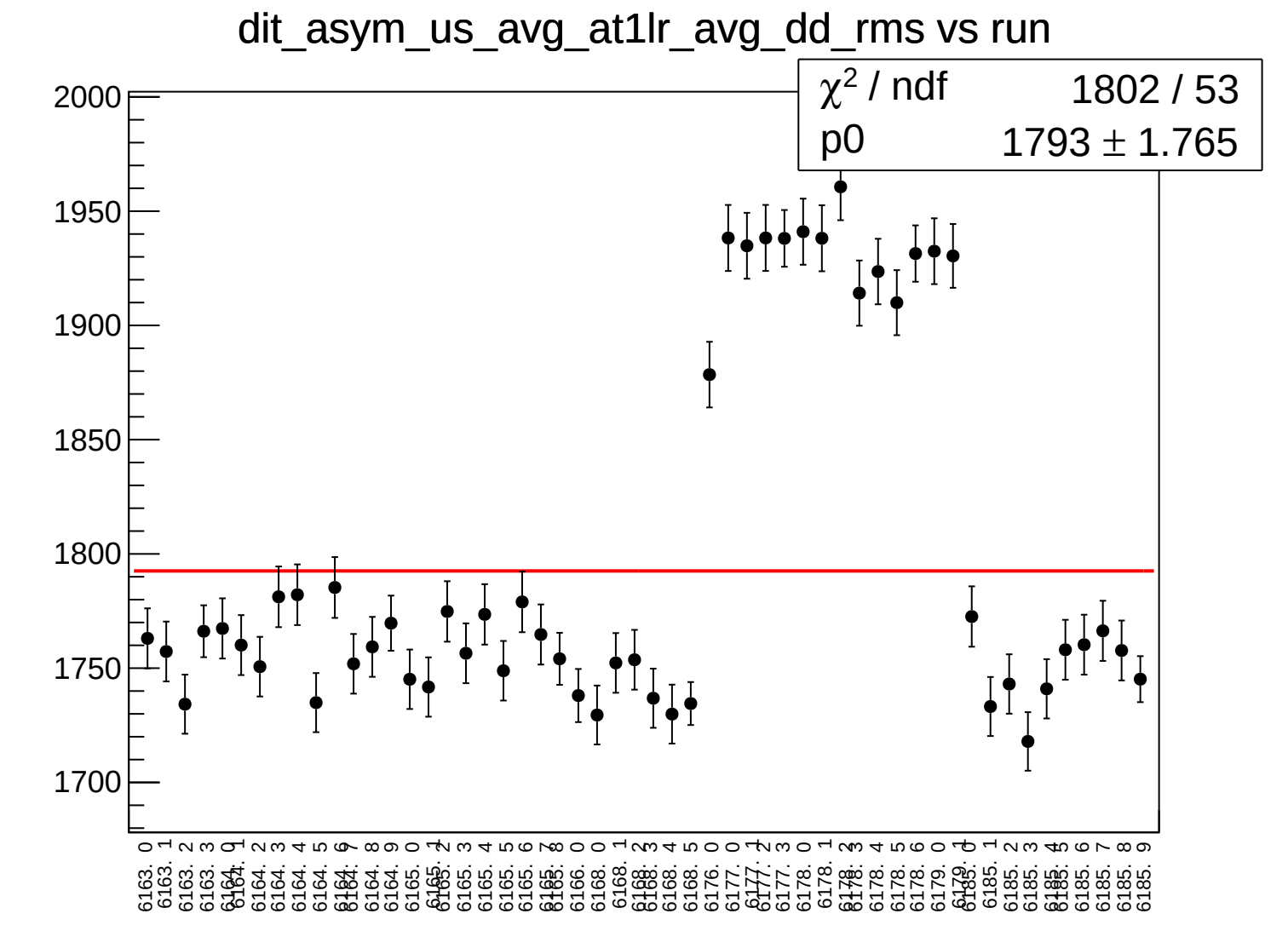

asym_us_avg_at1lr_avg_dd_eigen_cor_correction_mean vs run
χ² / ndf 51.46 / 53
p0 −1553 ± 1244
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 54
Mean 21.15
Std Dev 18.55
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

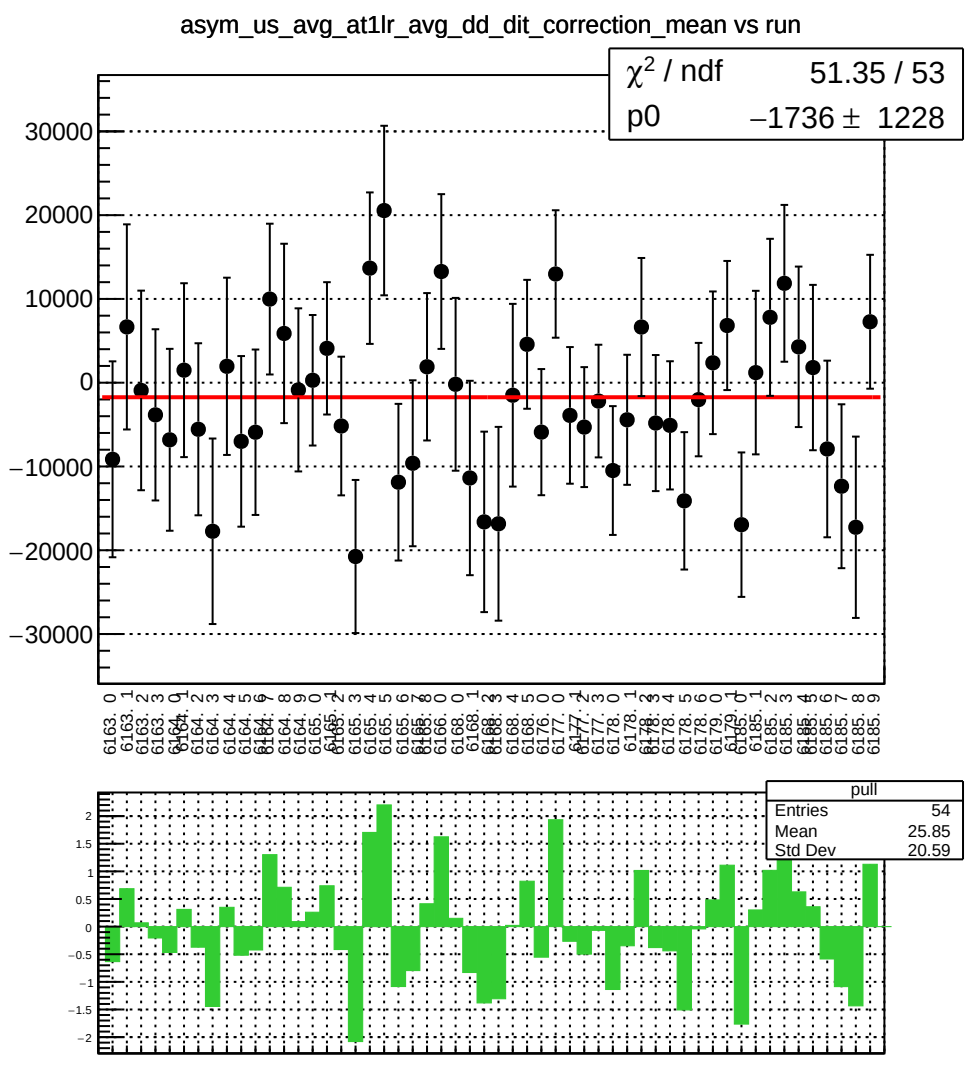

pull1D
Entries 54
Mean −0.02623
Std Dev 0.9759
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

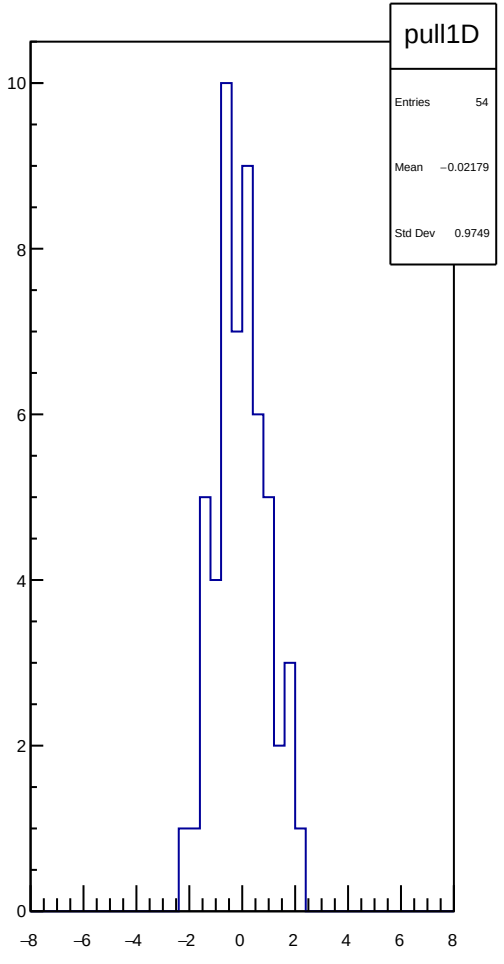

asym_us_avg_at1lr_avg_dd_eigen_cor_correction_rms vs run
χ² / ndf 2.455e+04 / 53
p0 883.2 ± 0.8795
1200
1100
1000
900
800
700
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

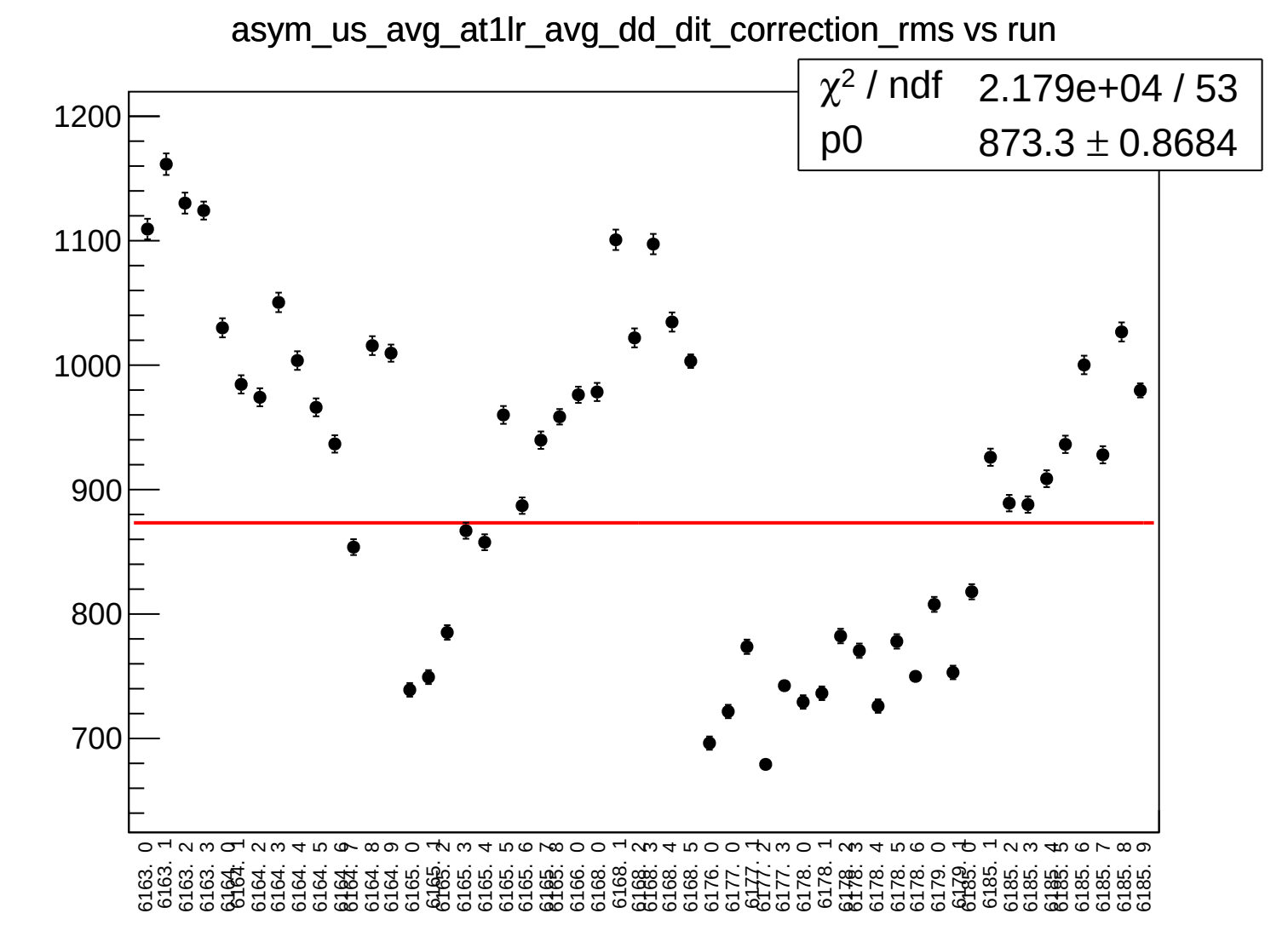

dit_asym_us_avg_at1lr_avg_dd_mean vs run
χ² / ndf 63.56 / 53
p0 −1932 ± 2496
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 54
Mean 589.3
Std Dev 0
2
1
0
−1
−2
−3

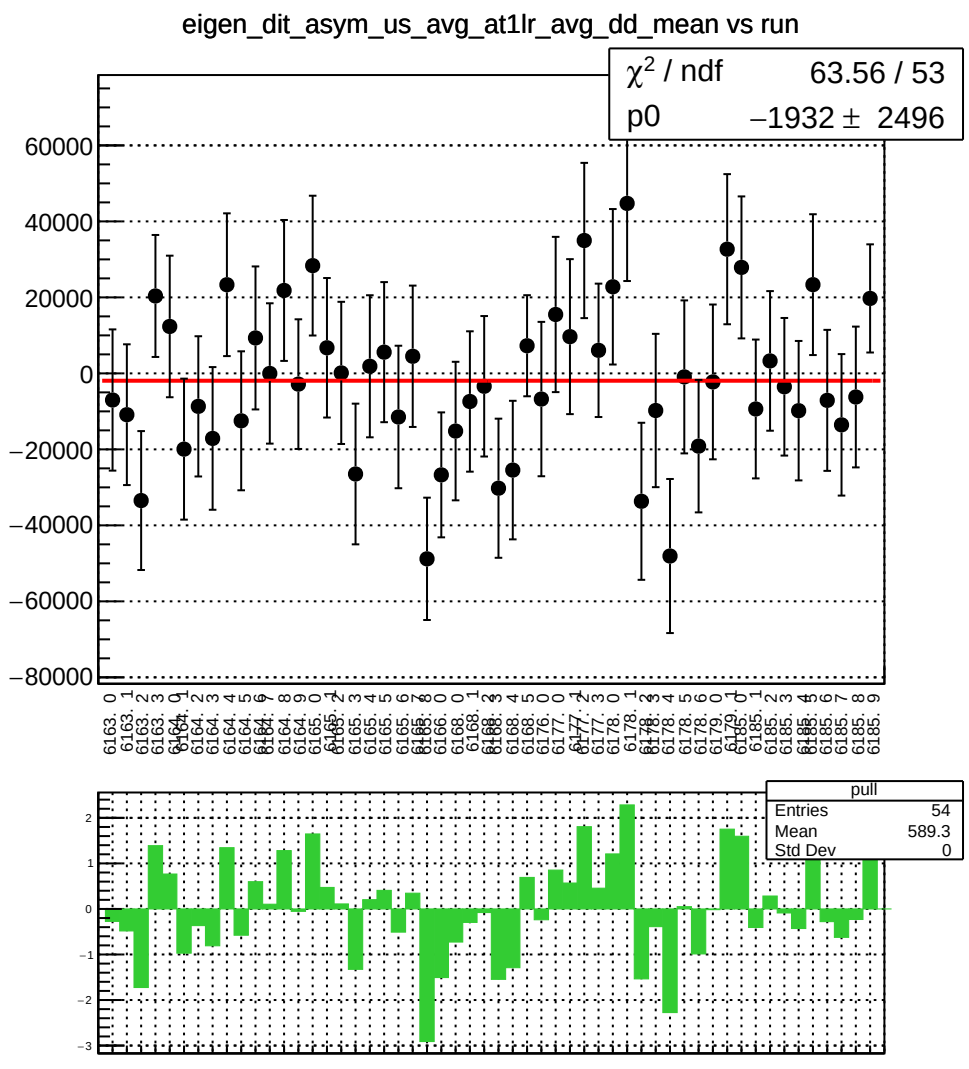

pull1D
Entries 54
Mean 0.003001
Std Dev 1.085
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

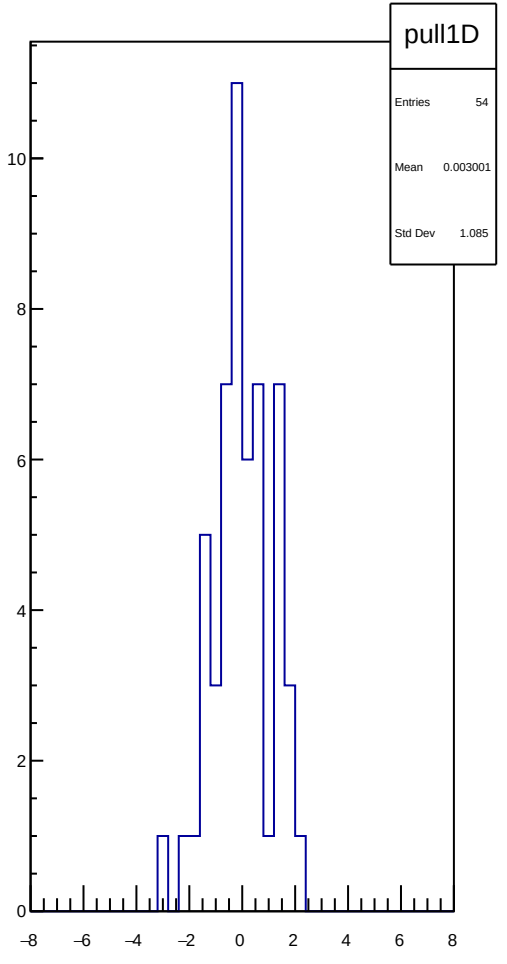

dit_asym_us_avg_at1lr_avg_dd_rms vs run
χ^2 / ndf 1802 / 53
p0 1793 ± 1.765
2000
1950
1900
1850
1800
1750
1700
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 2
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

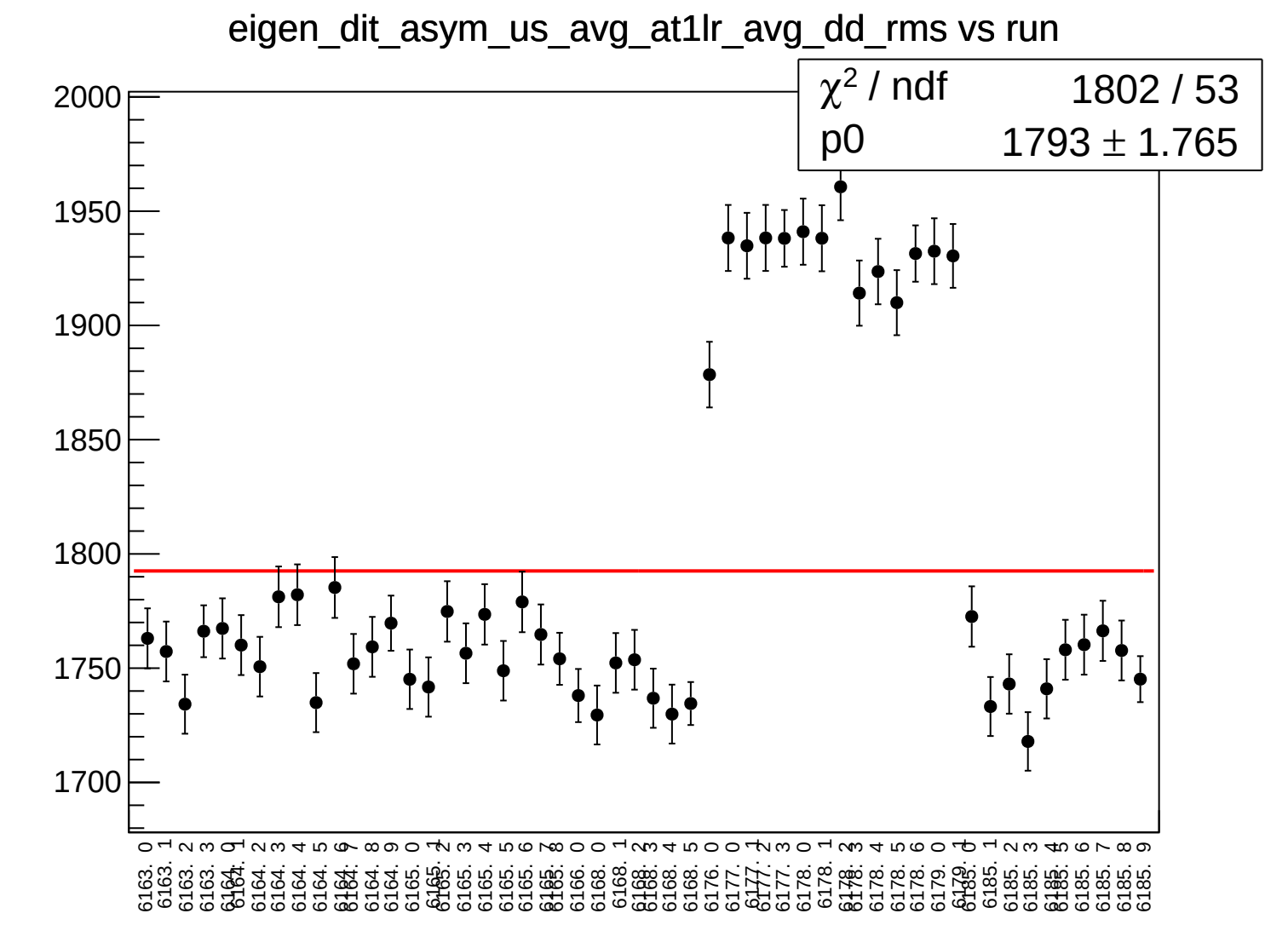

asym_us_avg_at1lr_avg_dd_dit_correction_mean vs run
χ² / ndf 51.35 / 53
p0 −1736 ± 1228
pull
Entries 54
Mean 25.85
Std Dev 20.59

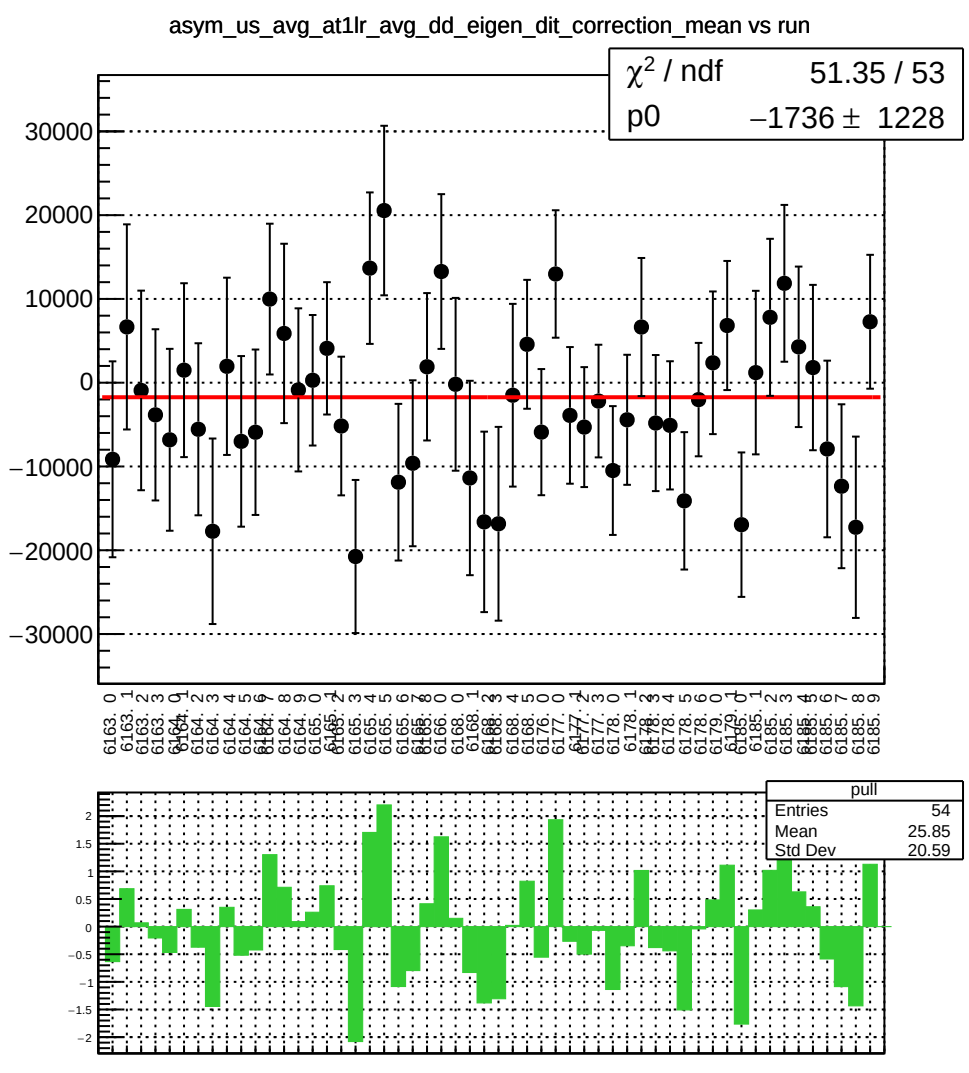

pull1D
Entries 54
Mean −0.02179
Std Dev 0.9749

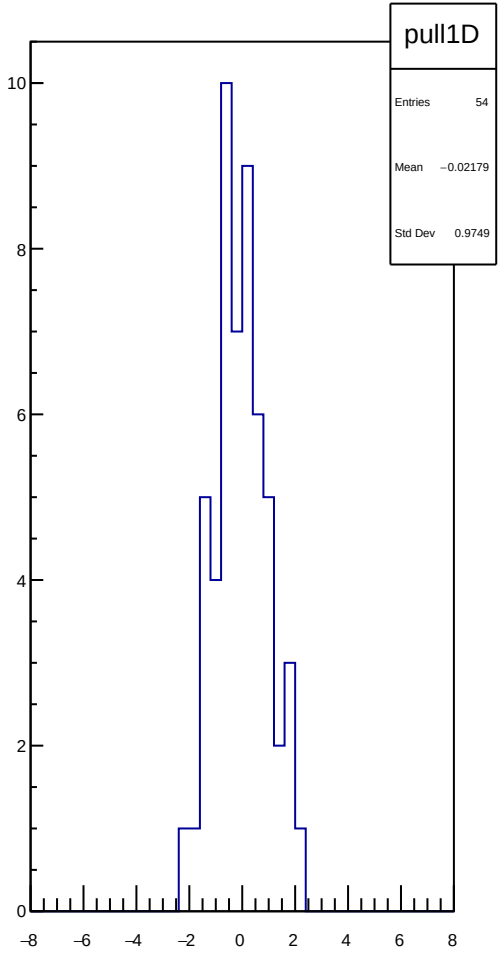

asym_us_avg_at1lr_avg_dd_dit_correction_rms vs run
χ² / ndf 2.179e+04 / 53
p0 873.3 ± 0.8684
1200
1100
1000
900
800
700
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

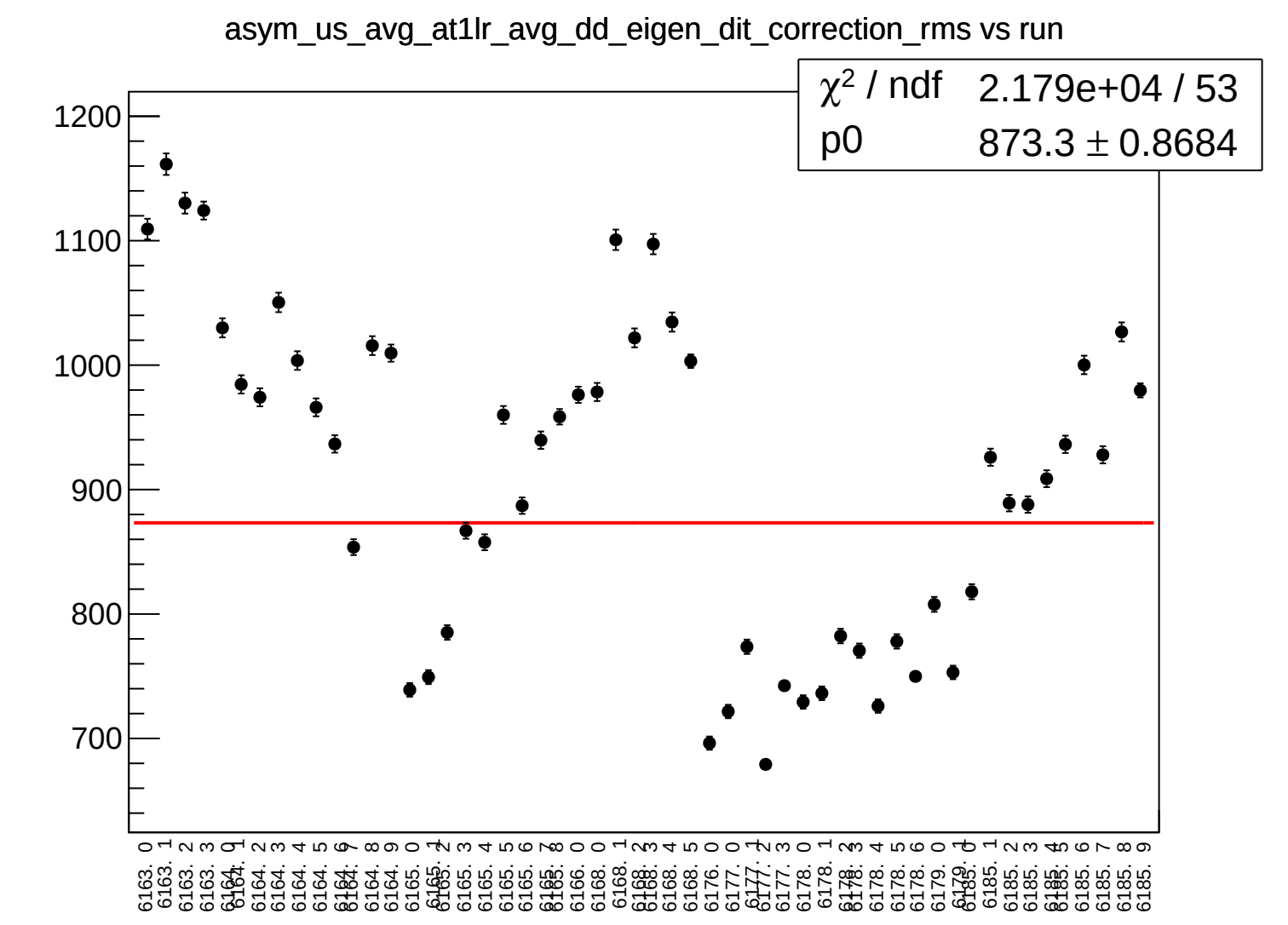

eigen_dit_asym_us_avg_at1lr_avg_dd_mean vs run
χ² / ndf 63.56 / 53
p0 −1932 ± 2496
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 54
Mean 589.3
Std Dev 0
2
1
0
−1
−2
−3

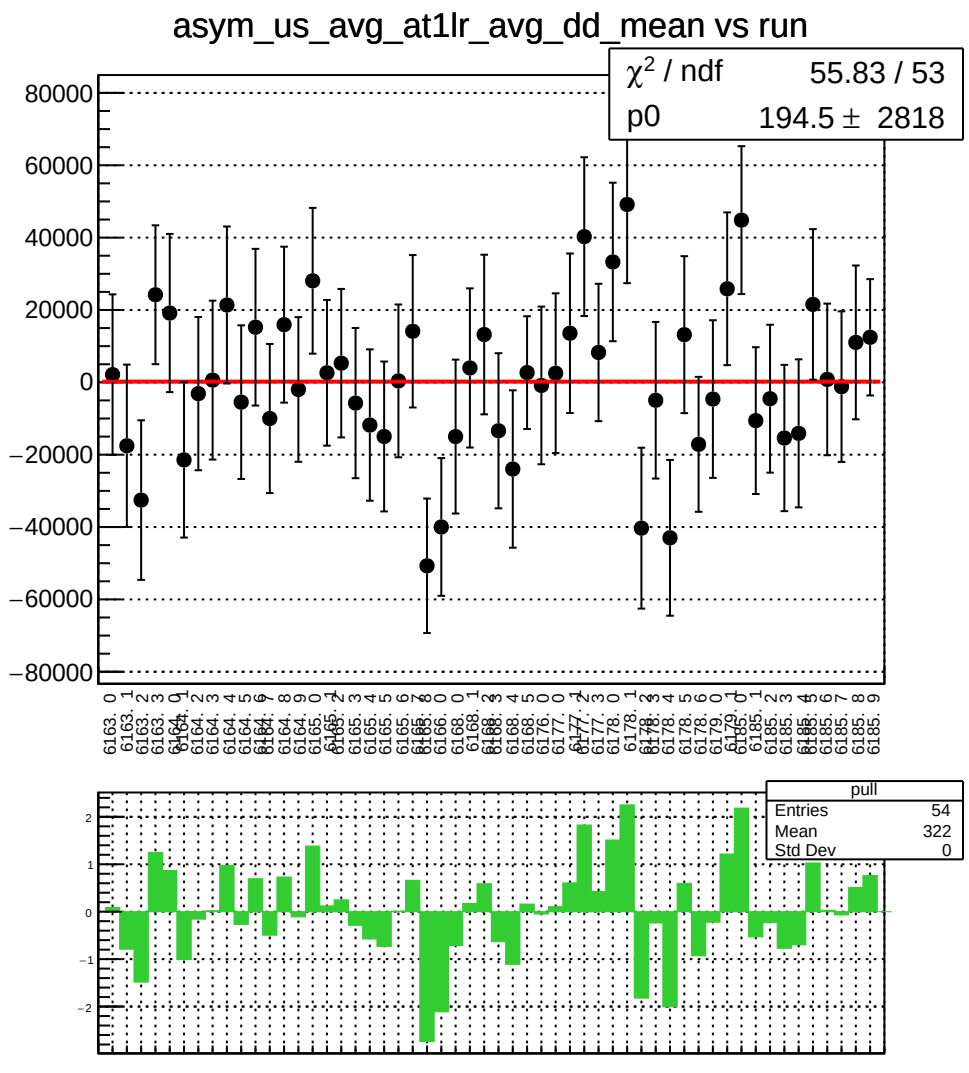

pull1D
Entries 54
Mean 0.003001
Std Dev 1.085
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

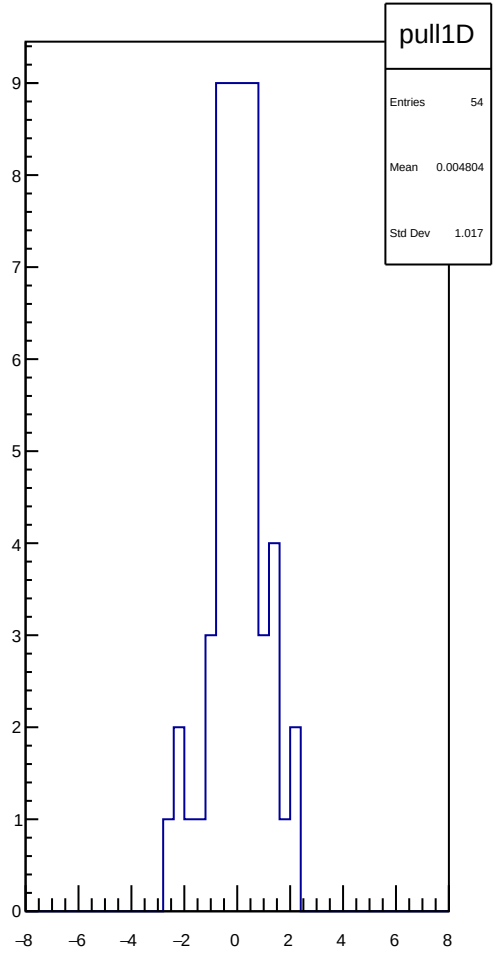

eigen_dit_asym_us_avg_at1lr_avg_dd_rms vs run
χ² / ndf 1802 / 53
p0 1793 ± 1.765
2000
1950
1900
1850
1800
1750
1700
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

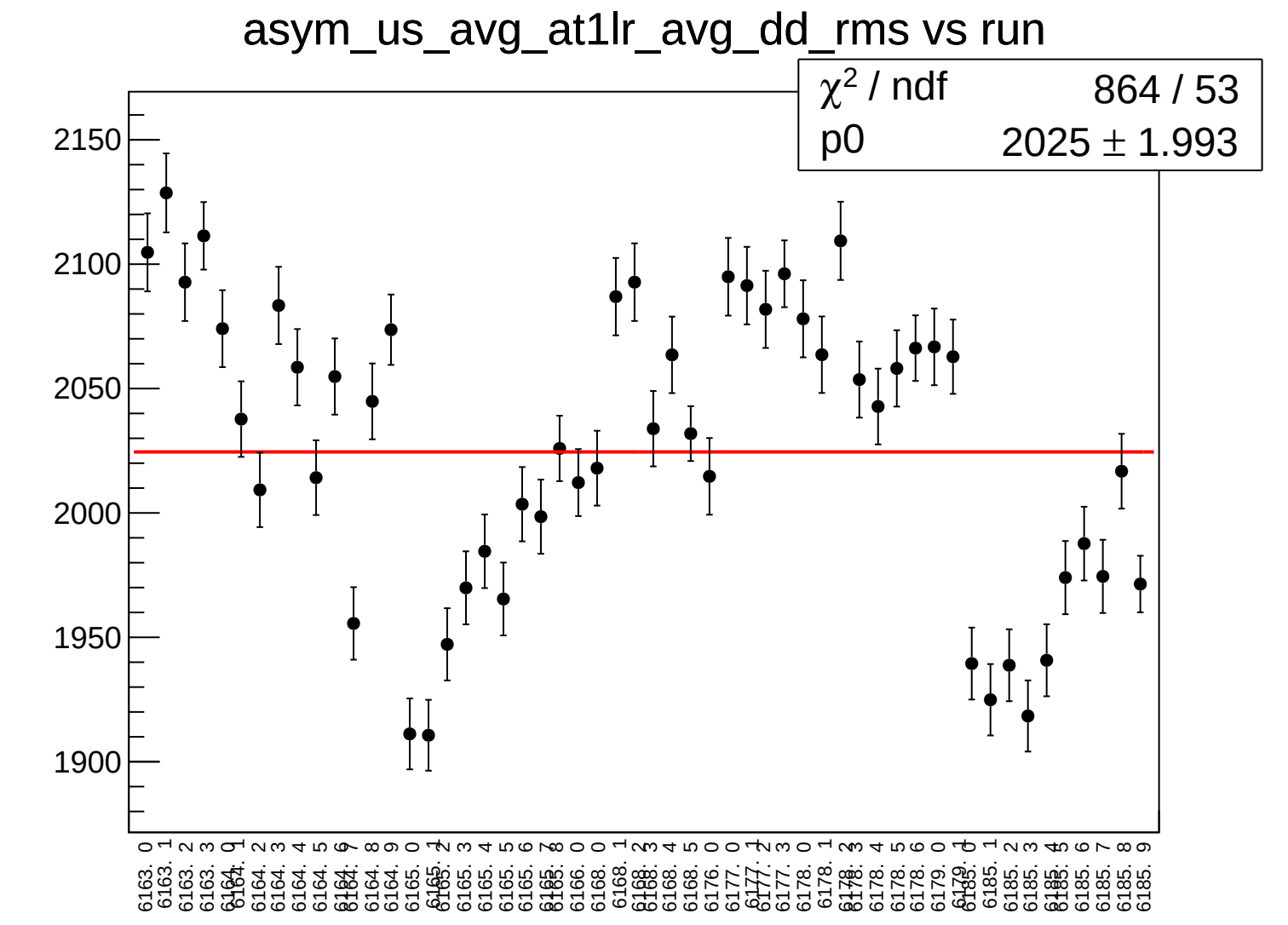

asym_us_avg_at1lr_avg_dd_eigen_dit_correction_mean vs run
χ² / ndf 51.35 / 53
p0 −1736 ± 1228
pull
Entries 54
Mean 25.85
Std Dev 20.59

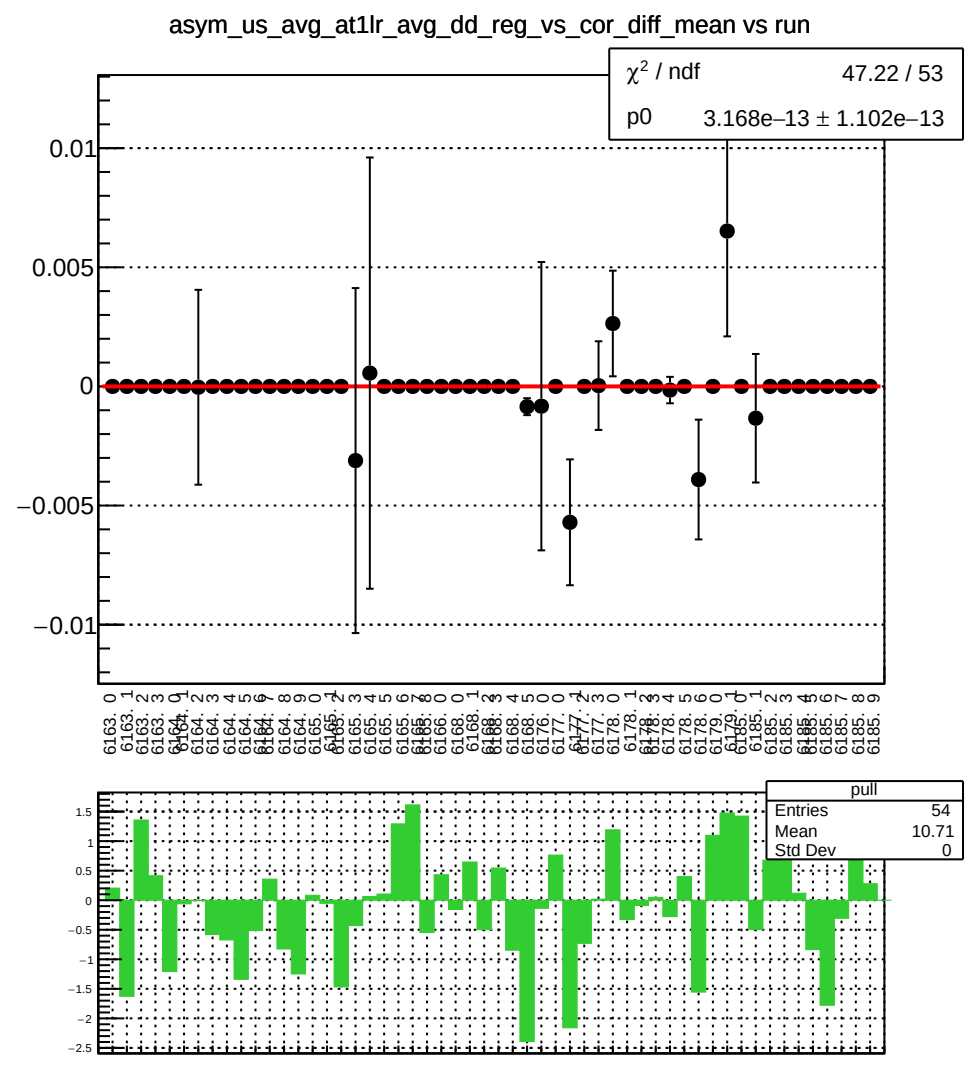

pull1D
Entries 54
Mean −0.02179
Std Dev 0.9749

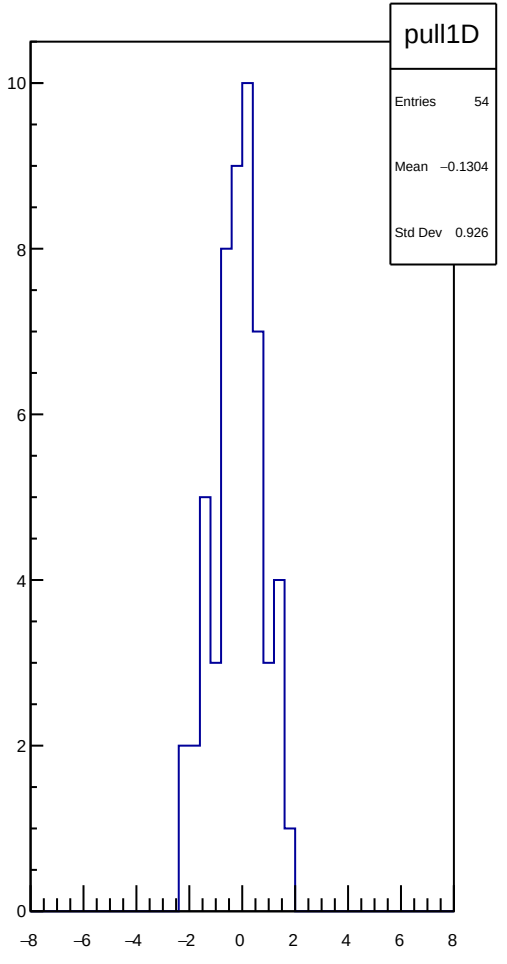

asym_us_avg_at1lr_avg_dd_eigen_dit_correction_rms vs run
χ² / ndf 2.179e+04 / 53
p0 873.3 ± 0.8684
1200
1100
1000
900
800
700
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

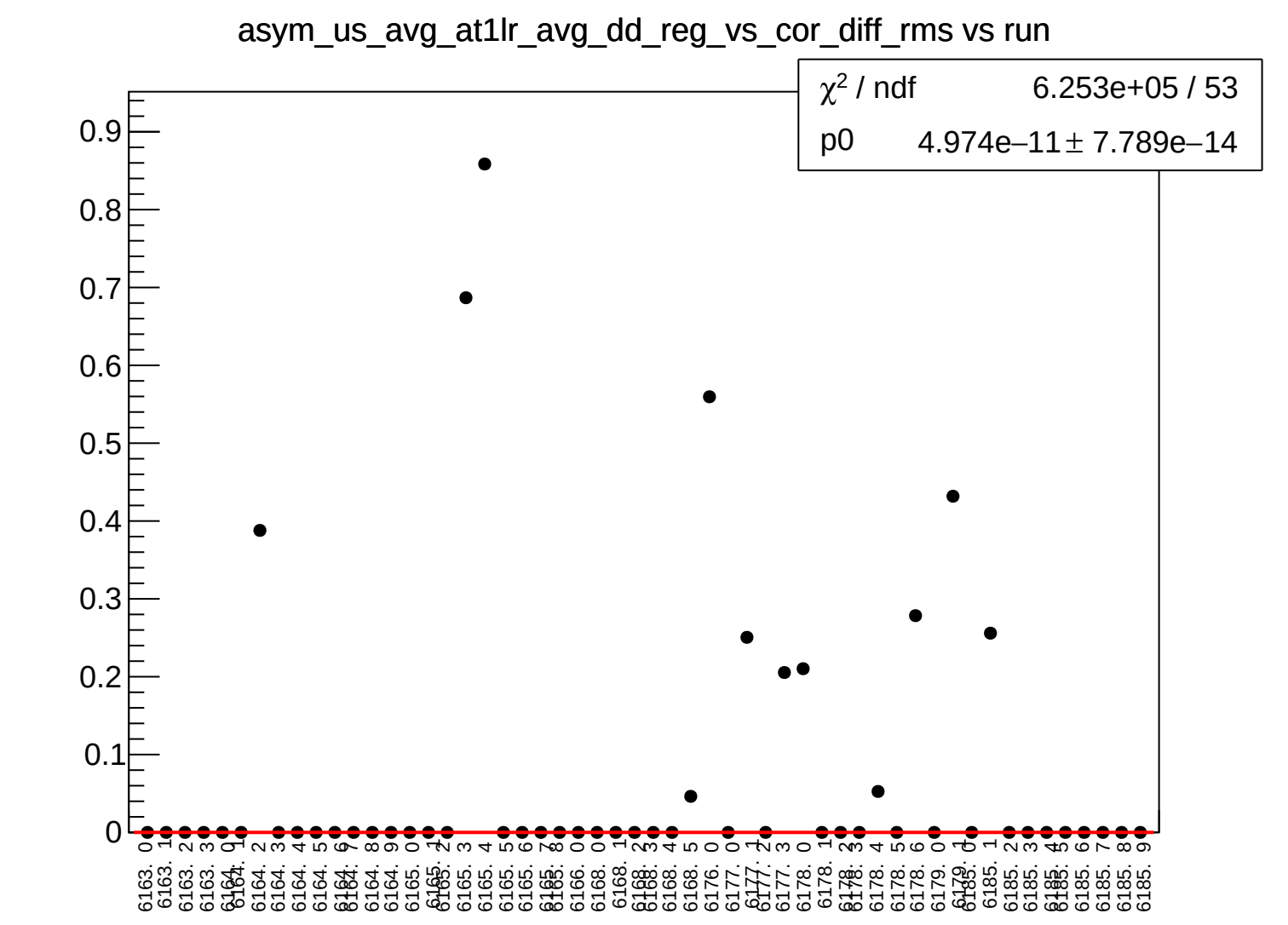

asym_us_avg_at1lr_avg_dd_mean vs run
χ² / ndf 55.83 / 53
p0 194.5 ± 2818
pull
Entries 54
Mean 322
Std Dev 0

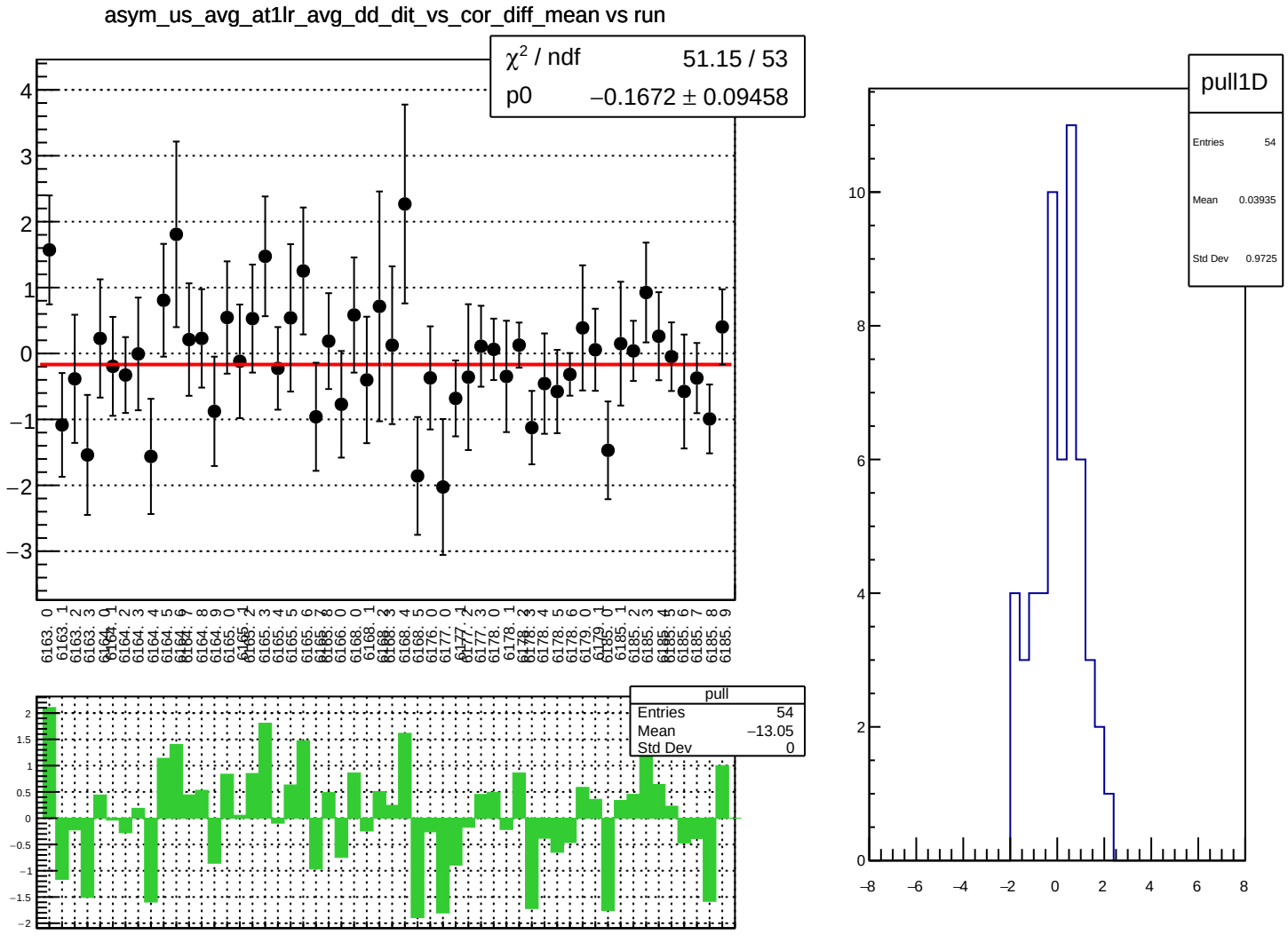

pull1D
Entries 54
Mean 0.004804
Std Dev 1.017

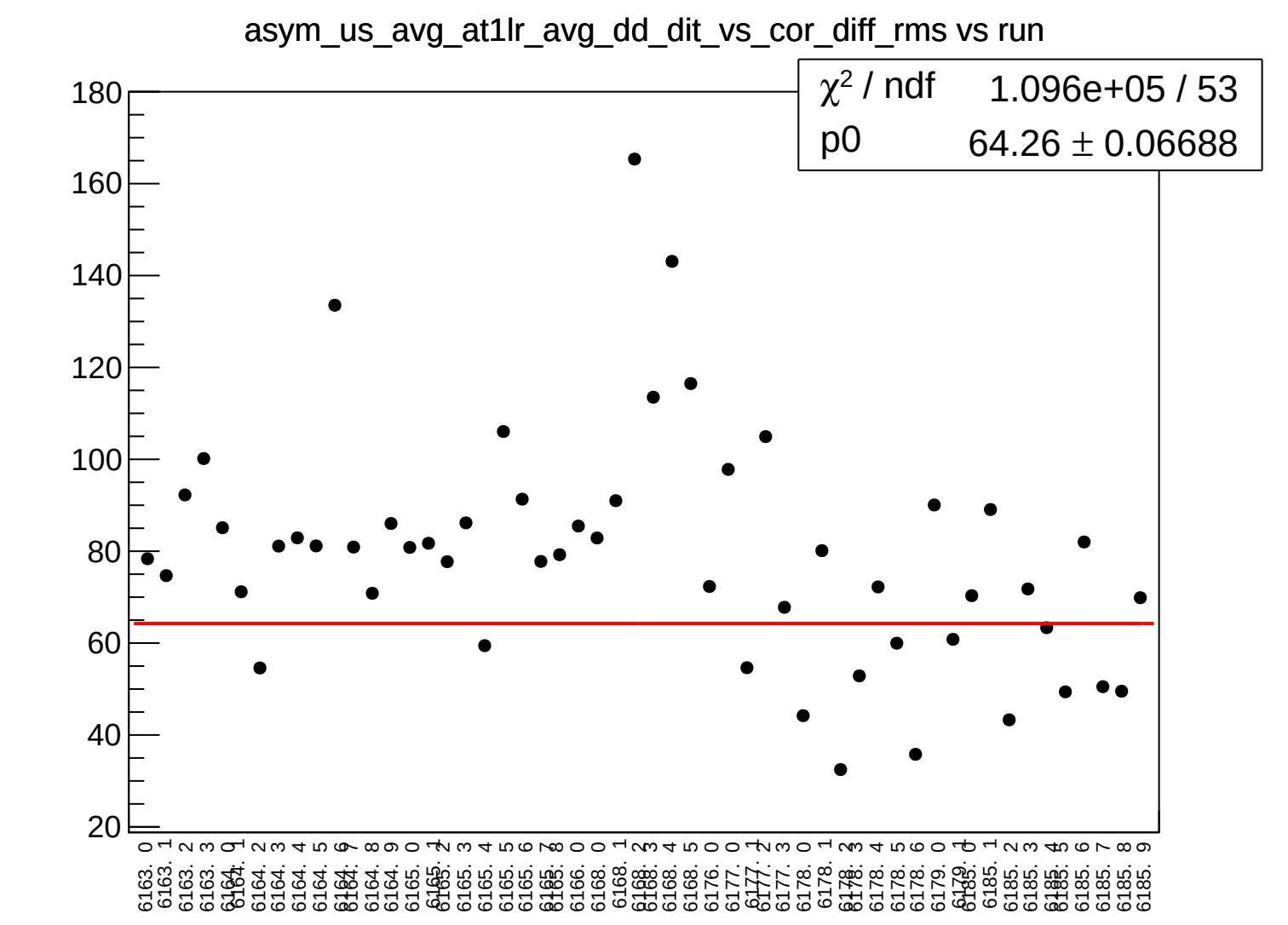

asym_us_avg_at1lr_avg_dd_rms vs run
χ² / ndf 864 / 53
p0 2025 ± 1.993
2150
2100
2050
2000
1950
1900
6163. 0
6163. 1
6163. 2
6163. 3
6163. 4
6163. 9
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 6
6164. 7
6164. 8
6164. 9
6165. 0
6165. 1
6165. 2
6165. 3
6165. 4
6165. 5
6165. 6
6165. 7
6165. 8
6166. 0
6168. 0
6168. 1
6168. 2
6168. 3
6168. 4
6168. 5
6176. 0
6177. 0
6177. 1
6177. 2
6177. 3
6178. 0
6178. 1
6178. 2
6178. 3
6178. 4
6178. 5
6178. 6
6179. 0
6179. 1
6185. 0
6185. 1
6185. 2
6185. 3
6185. 4
6185. 5
6185. 6
6185. 7
6185. 8
6185. 9

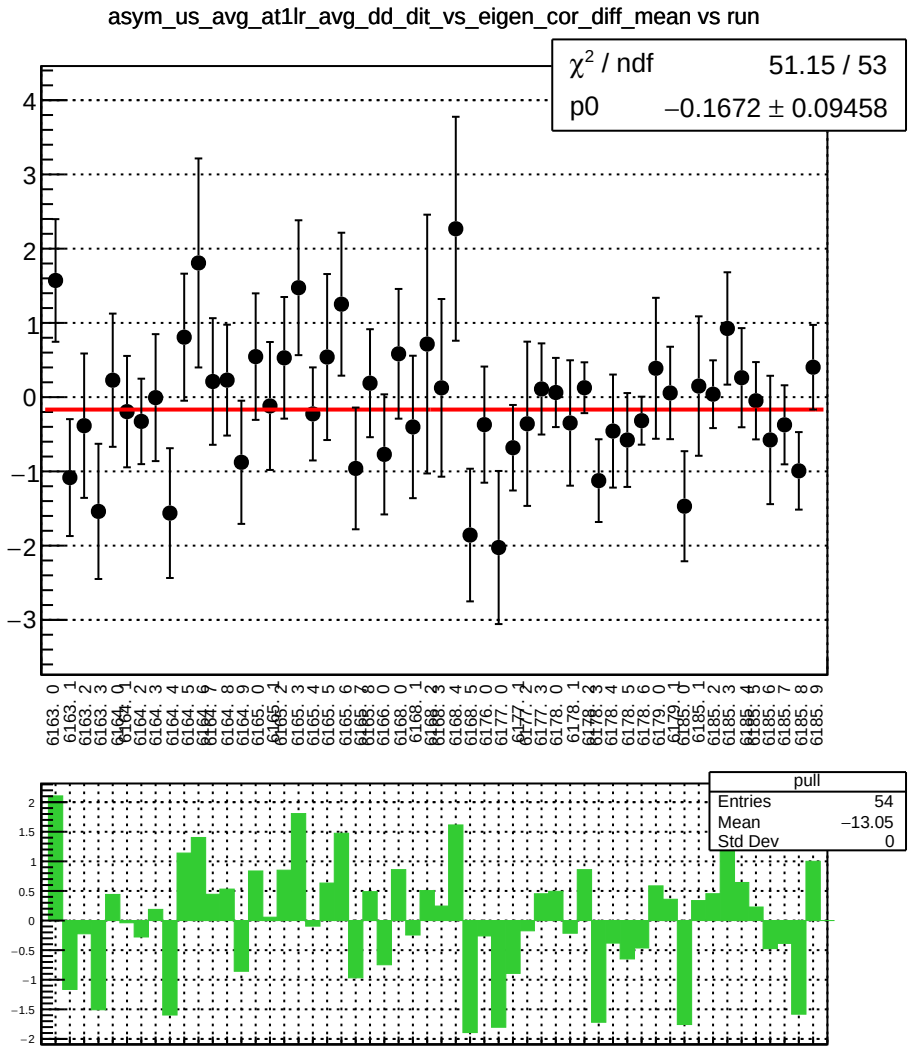

asym_us_avg_at1lr_avg_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 47.22 / 53
p0 3.168e−13 ± 1.102e−13
pull
Entries 54
Mean 10.71
Std Dev 0

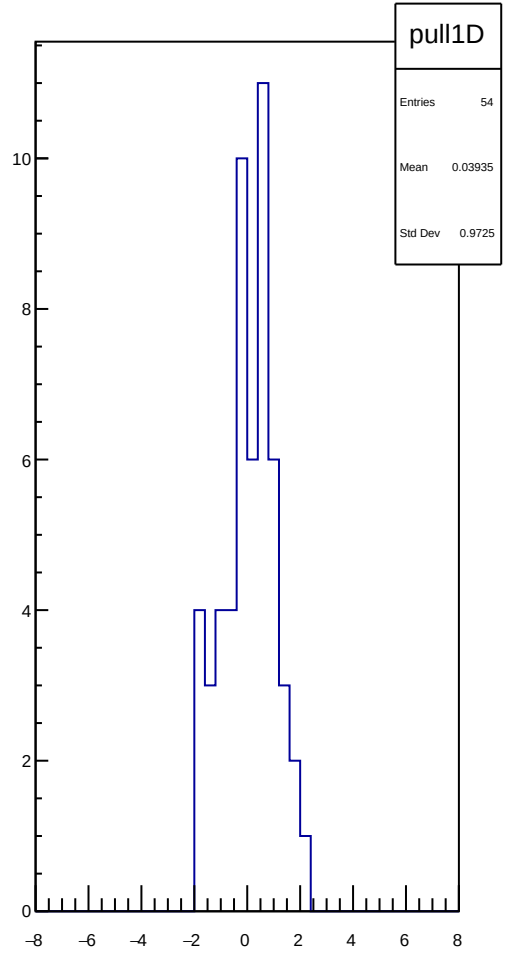

pull1D
Entries 54
Mean −0.1304
Std Dev 0.926

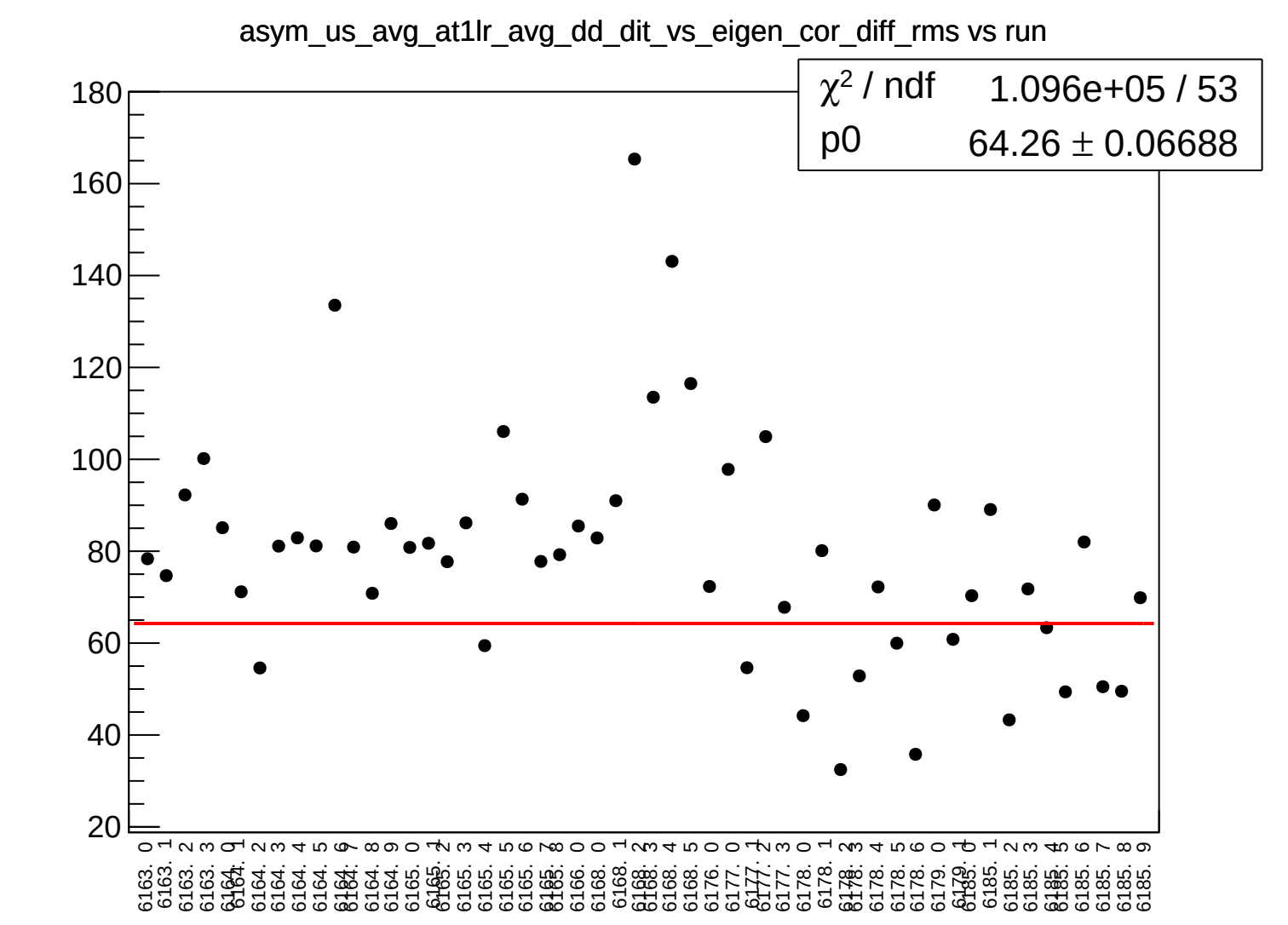

asym_us_avg_at1lr_avg_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.253e+05 / 53
p0 4.974e−11 ± 7.789e−14
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 2
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 3
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

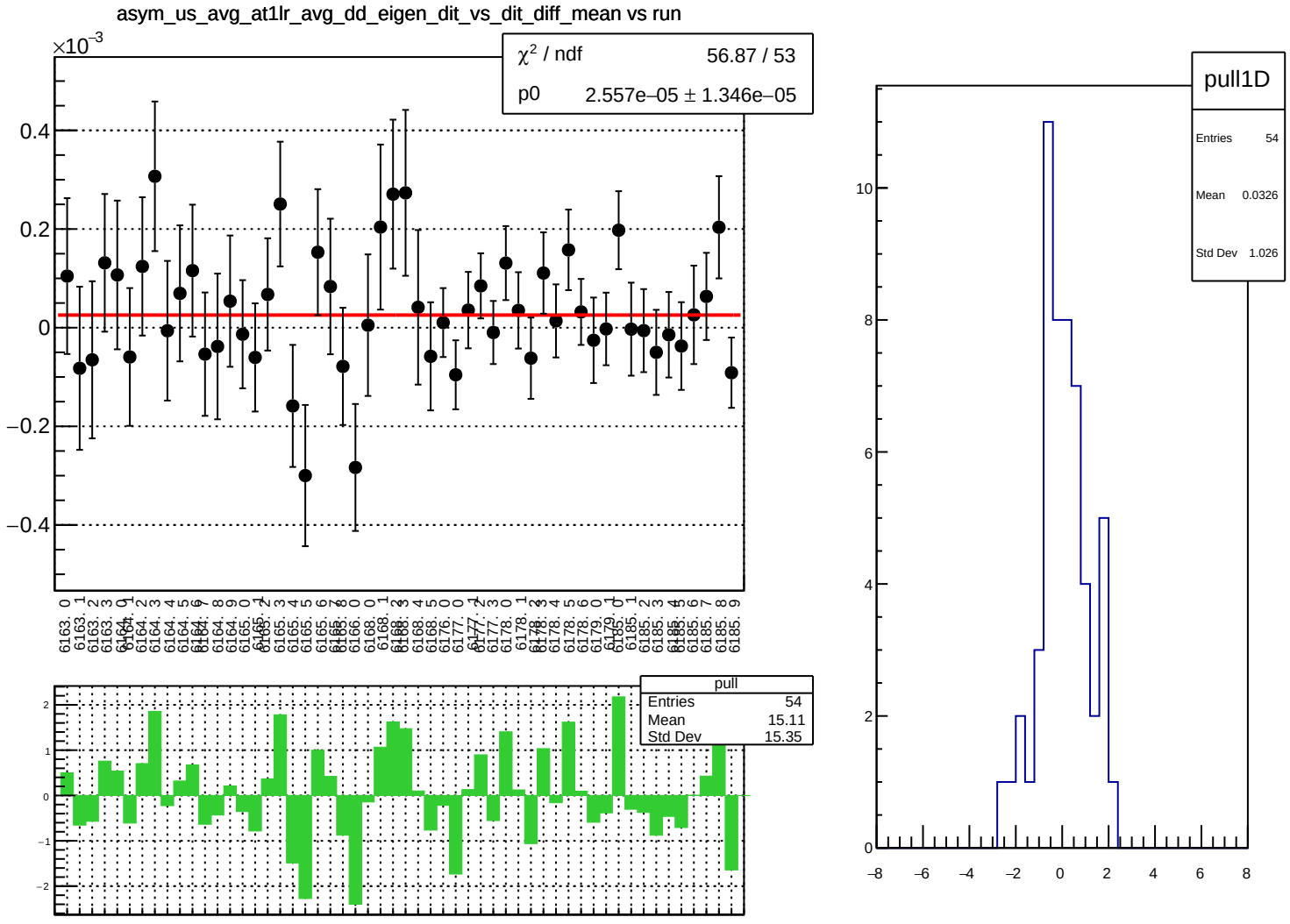

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 51.15 / 53
p0 −0.1672 ± 0.09458
pull
Entries 54
Mean −13.05
Std Dev 0
pull1D
Entries 54
Mean 0.03935
Std Dev 0.9725

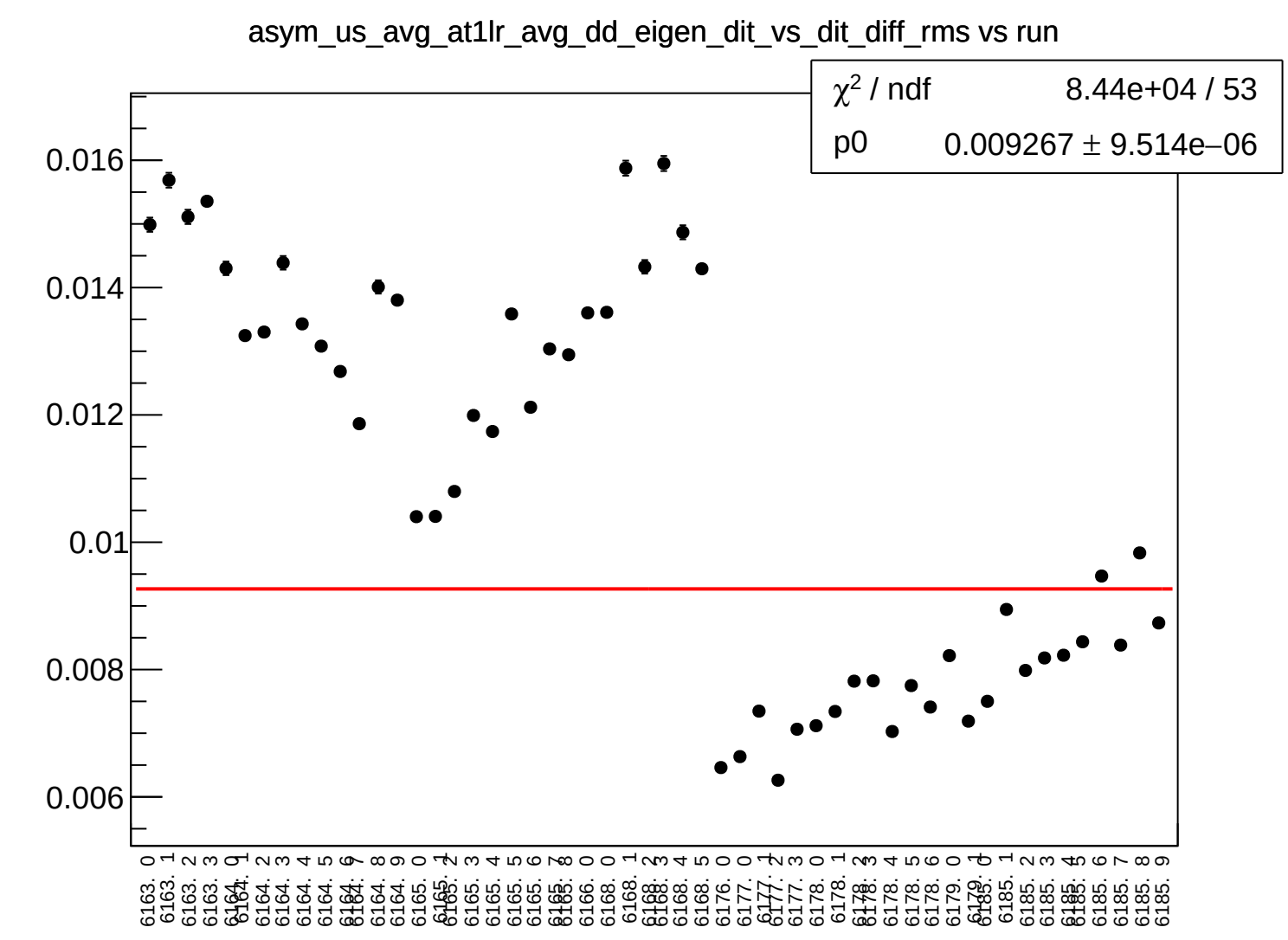

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.096e+05 / 53
p0 64.26 ± 0.06688
180
160
140
120
100
80
60
40
20
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 51.15 / 53
p0 −0.1672 ± 0.09458
pull
Entries 54
Mean −13.05
Std Dev 0

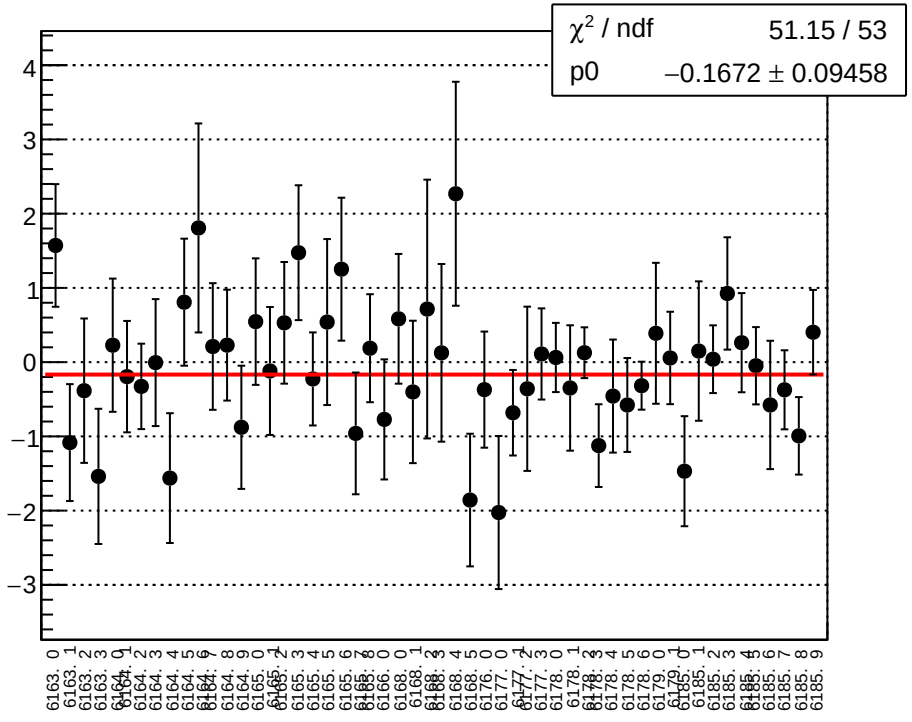

pull1D
Entries 54
Mean 0.03935
Std Dev 0.9725

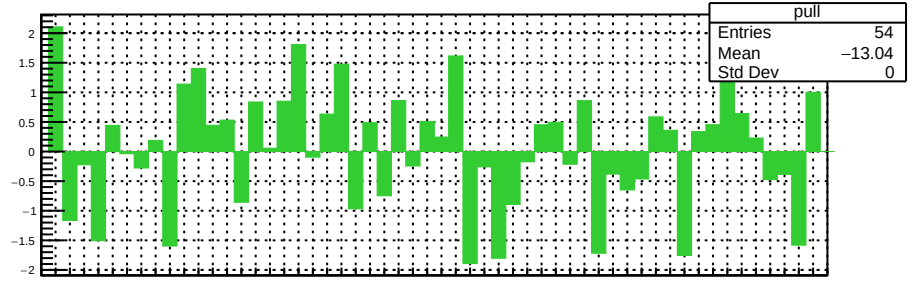

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.096e+05 / 53
p0 64.26 ± 0.06688
180
160
140
120
100
80
60
40
20
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

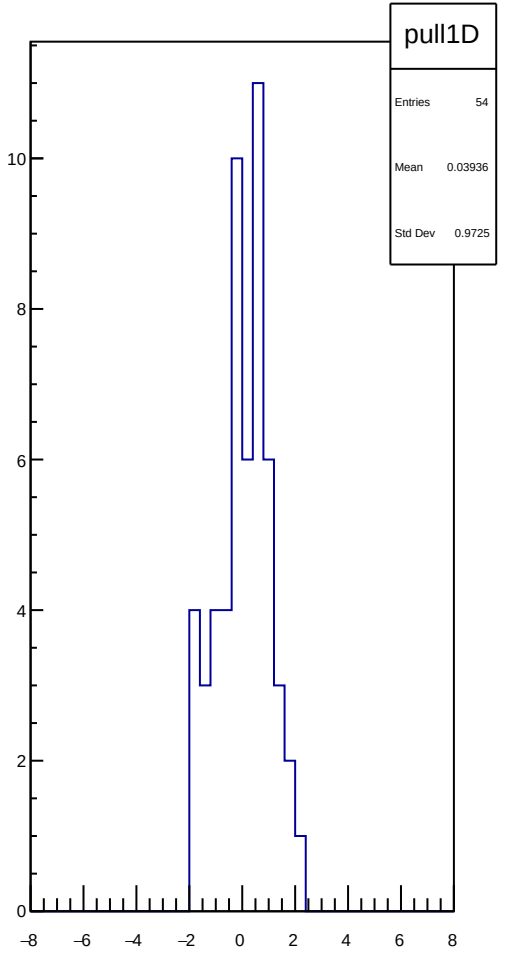

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 56.87 / 53
p0 2.557e−05 ± 1.346e−05
0.4
0.2
0
−0.2
−0.4
pull
Entries 54
Mean 15.11
Std Dev 15.35
pull1D
Entries 54
Mean 0.0326
Std Dev 1.026
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

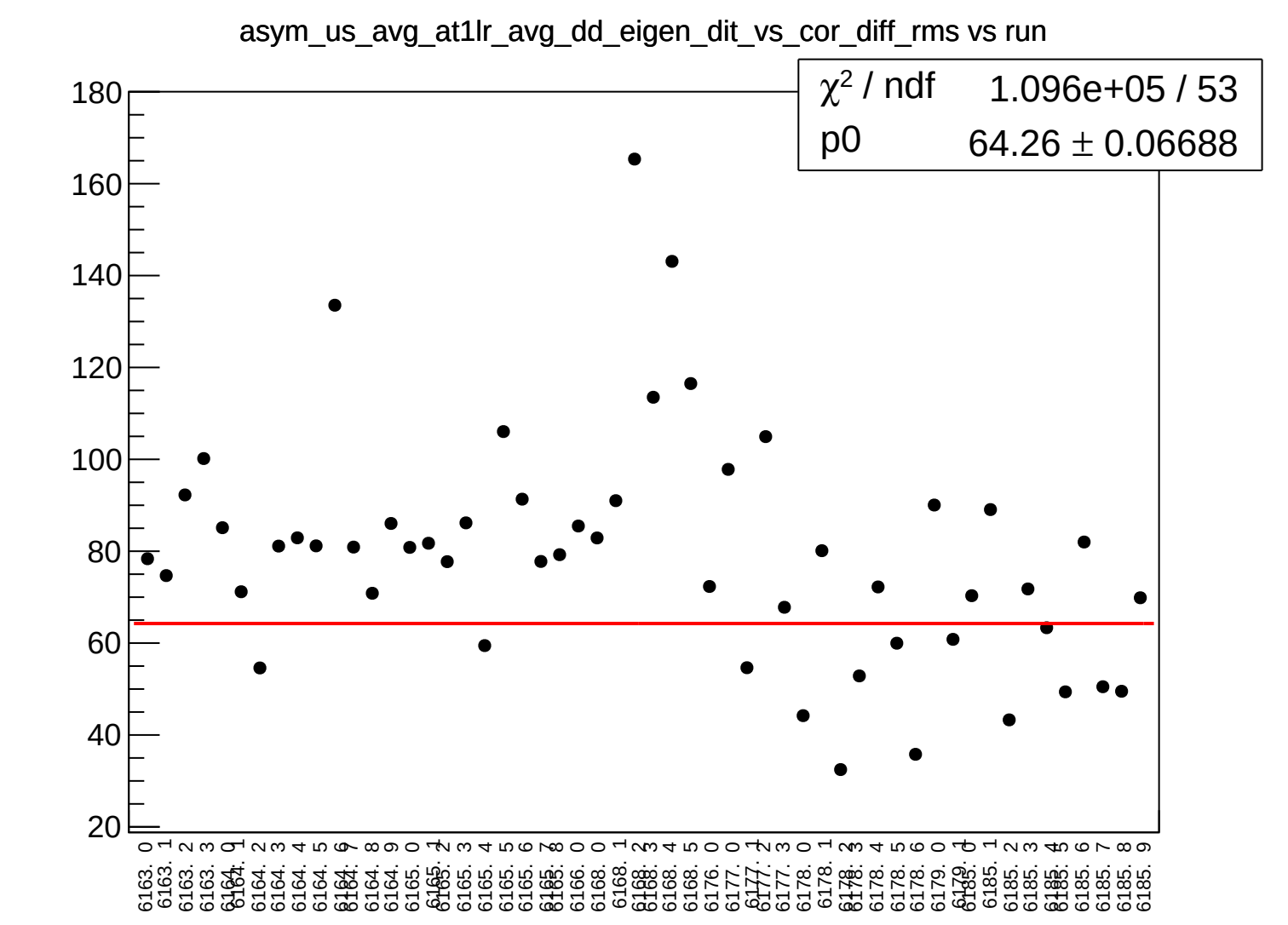

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 8.44e+04 / 53
p0 0.009267 ± 9.514e−06
0.016
0.014
0.012
0.01
0.008
0.006
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

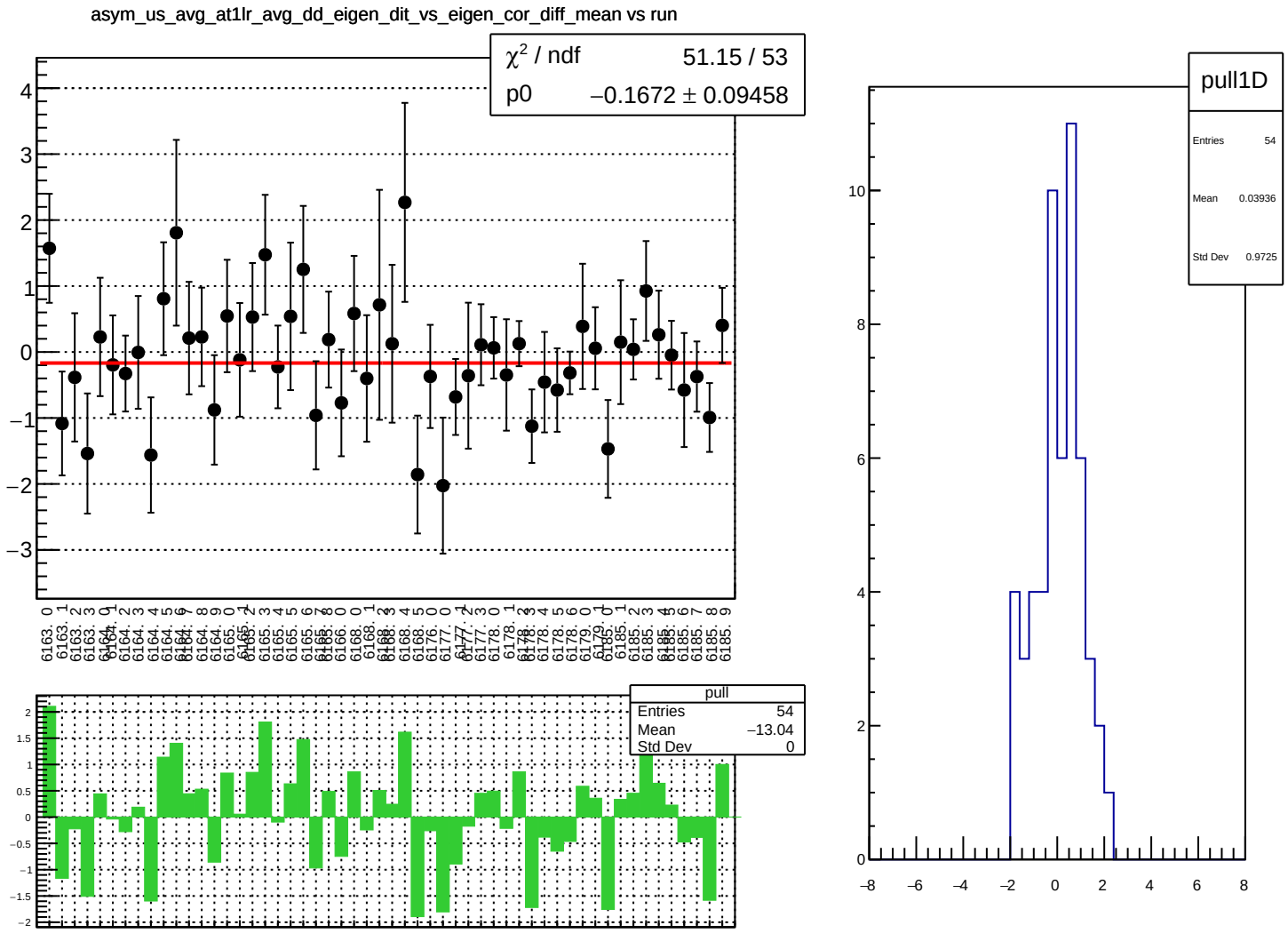
asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_mean vs run

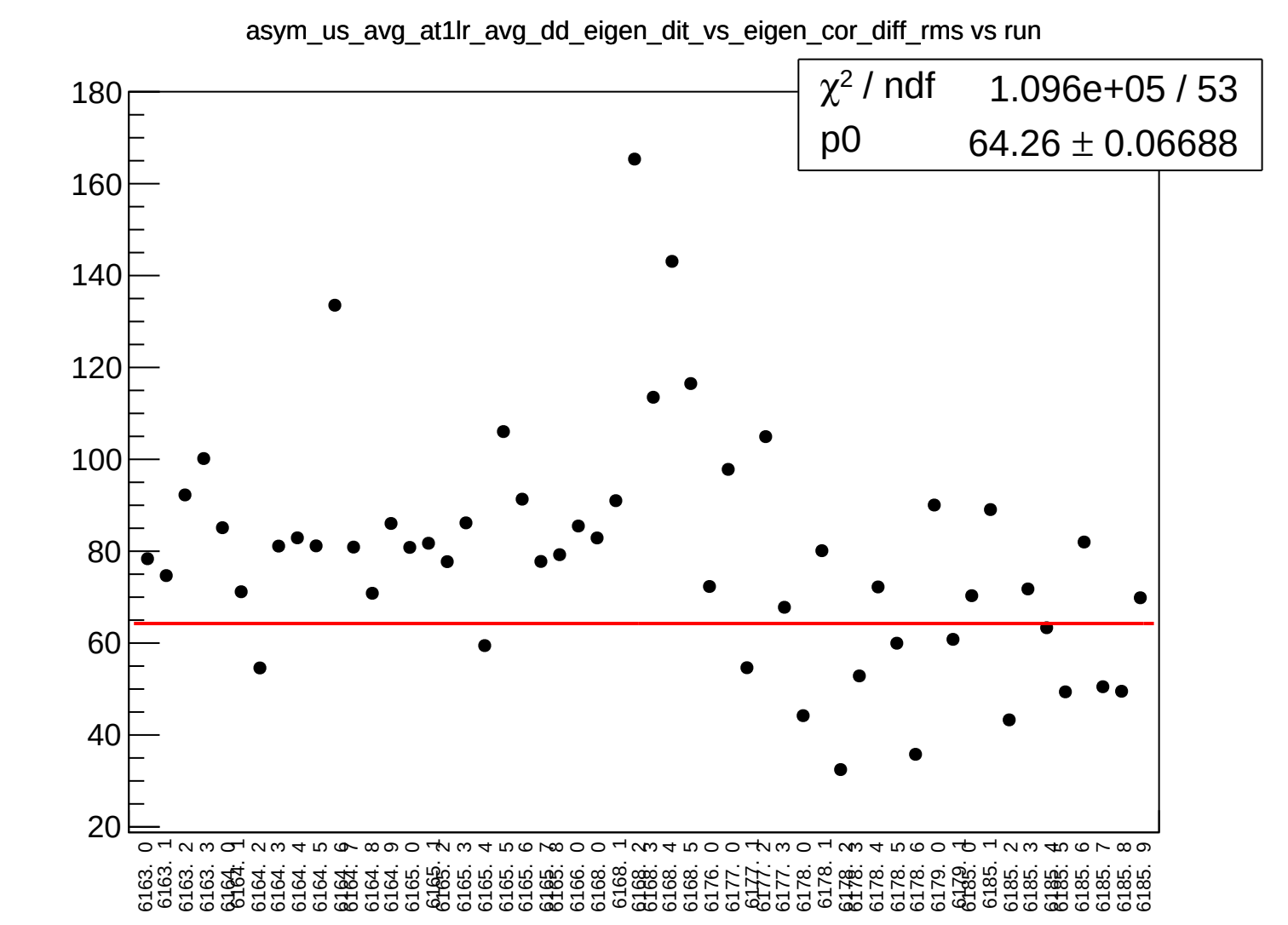


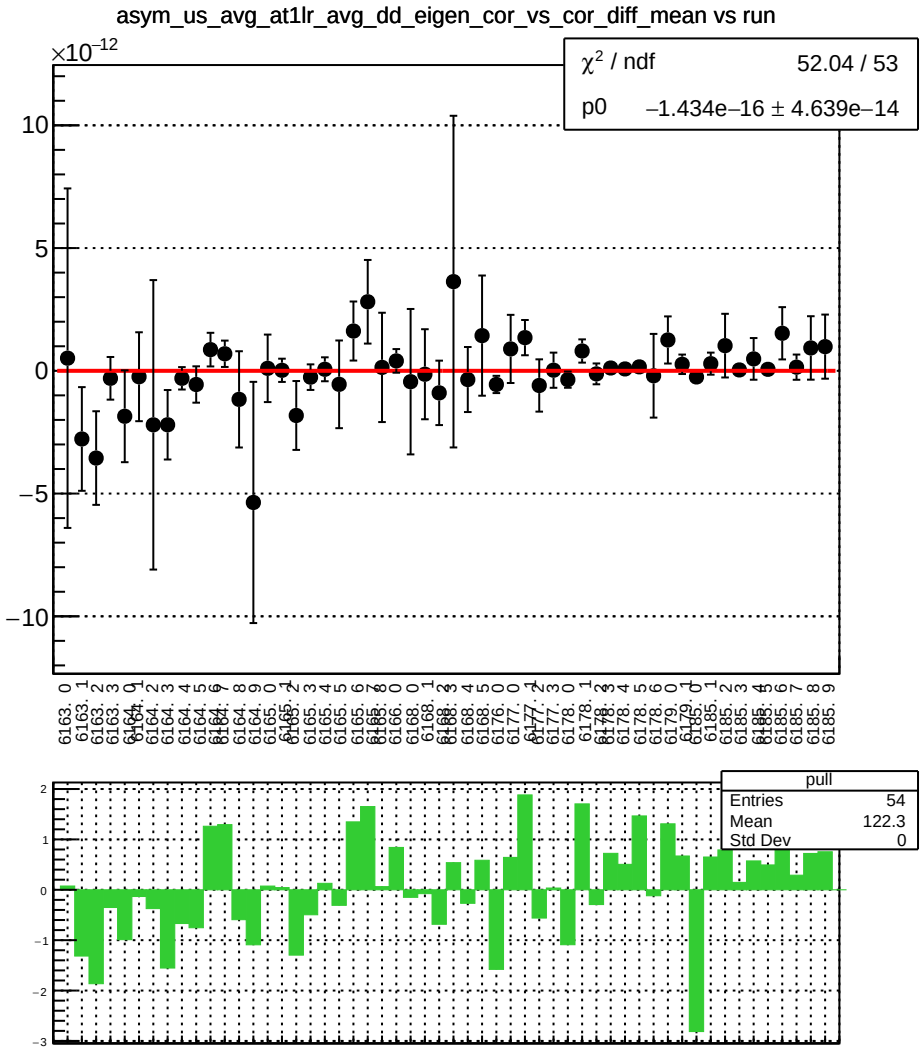


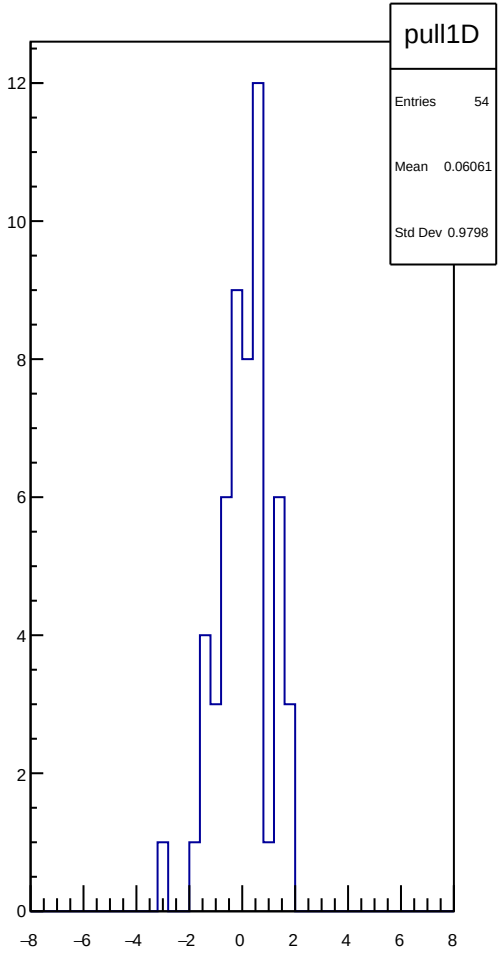


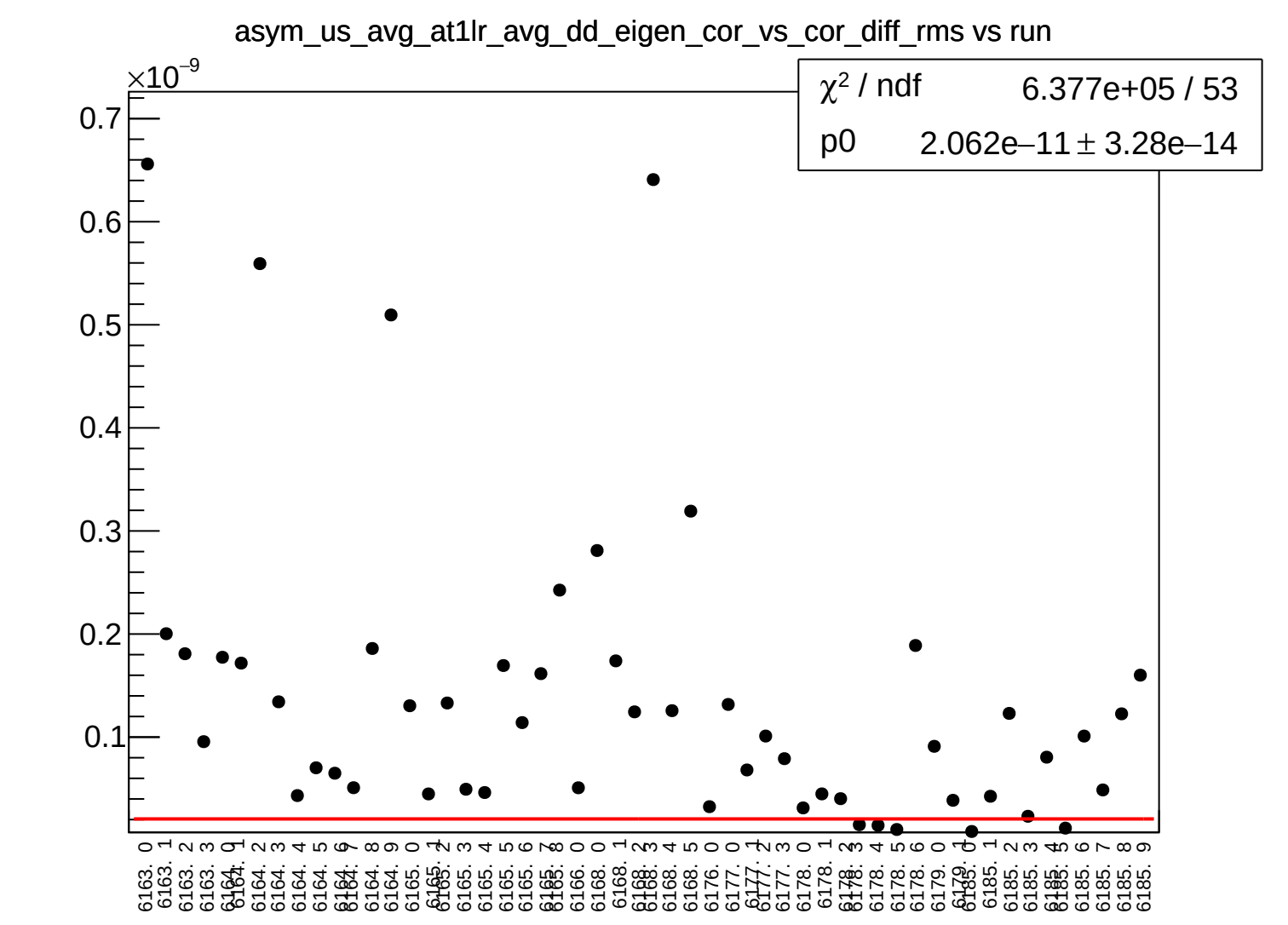

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.096e+05 / 53
p0 64.26 ± 0.06688
180
160
140
120
100
80
60
40
20
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 3
6165. 4
6165. 5
6165. 6
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

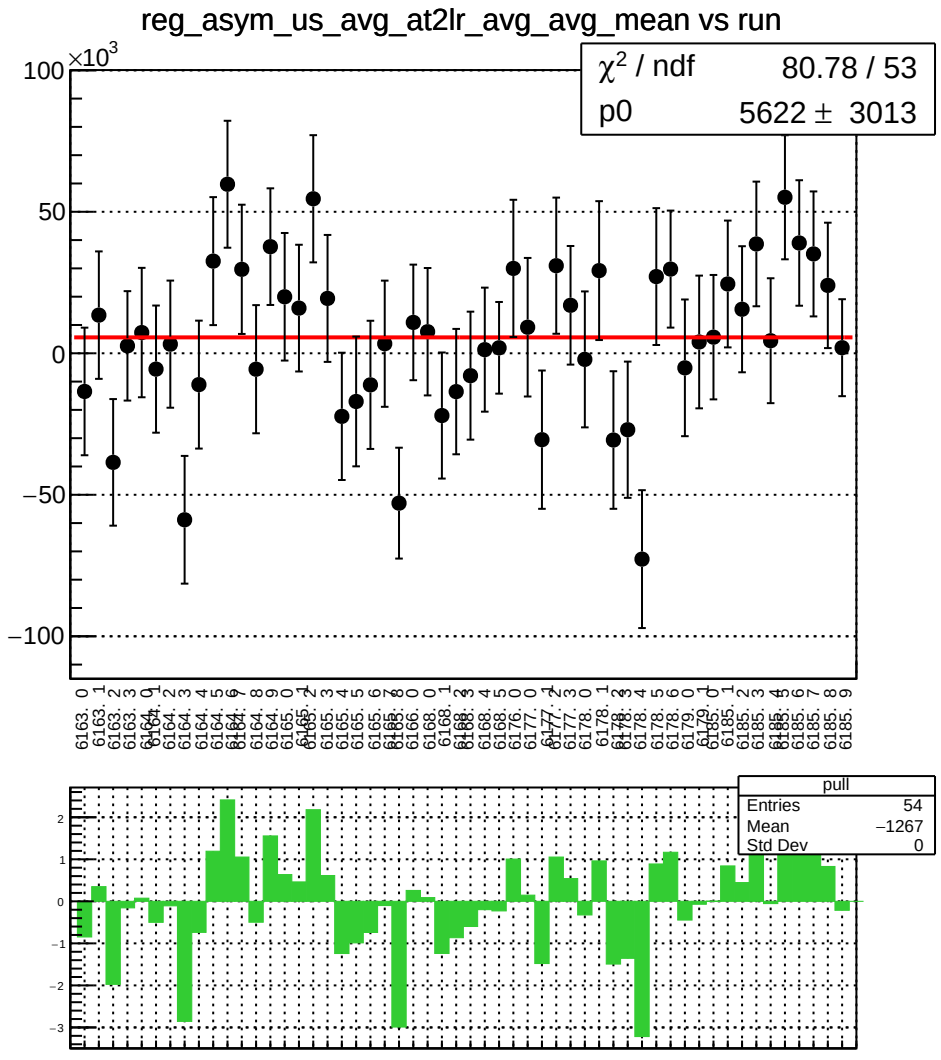

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 51.15 / 53
p0 −0.1672 ± 0.09458
pull
Entries 54
Mean −13.04
Std Dev 0
pull1D
Entries 54
Mean 0.03936
Std Dev 0.9725

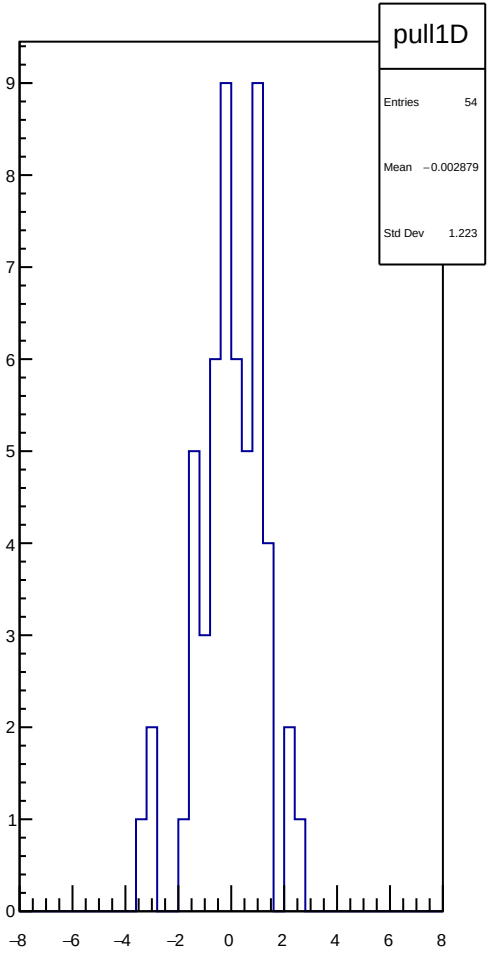

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.096e+05 / 53
p0 64.26 ± 0.06688
180
160
140
120
100
80
60
40
20
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

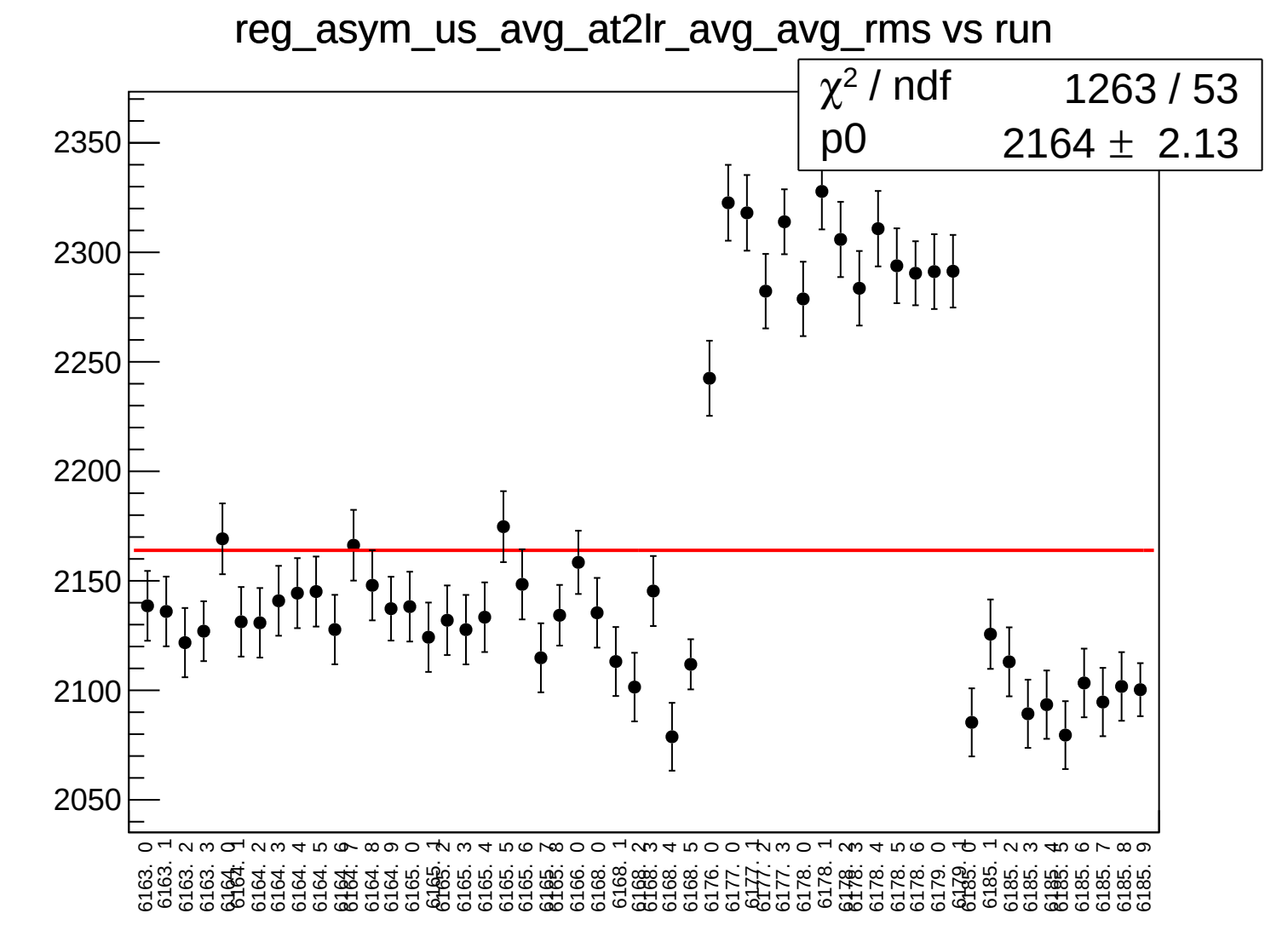

asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 52.04 / 53
p0 −1.434e−16 ± 4.639e−14
pull
Entries 54
Mean 122.3
Std Dev 0

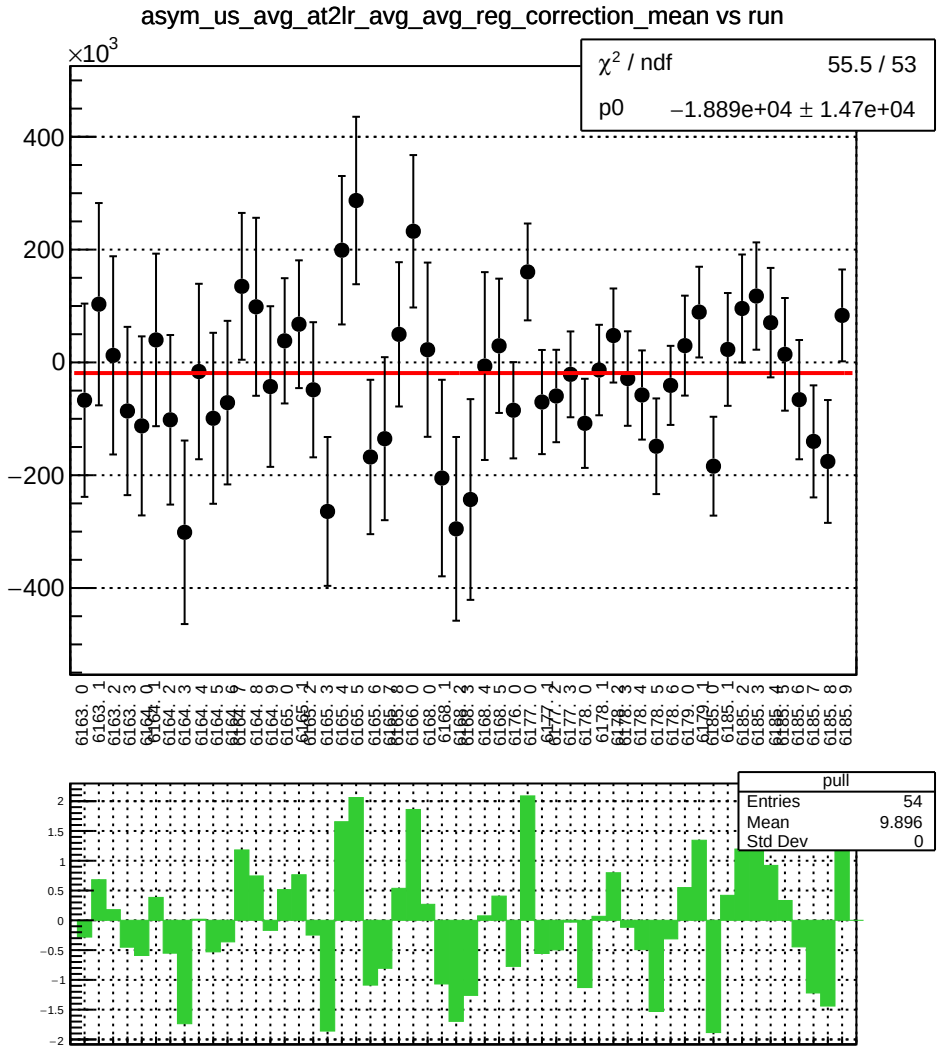

pull1D
Entries 54
Mean 0.06061
Std Dev 0.9798

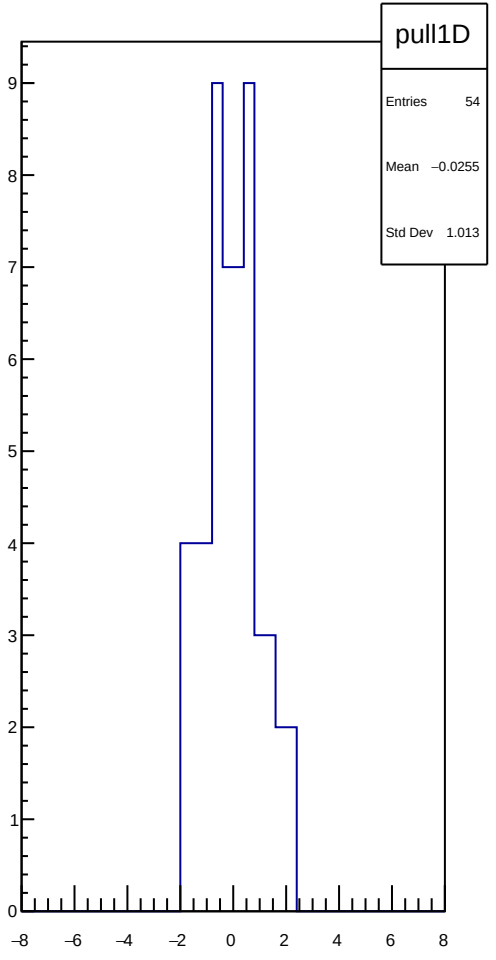

asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.377e+05 / 53
p0 2.062e−11 ± 3.28e−14
0.7
0.6
0.5
0.4
0.3
0.2
0.1
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 3
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

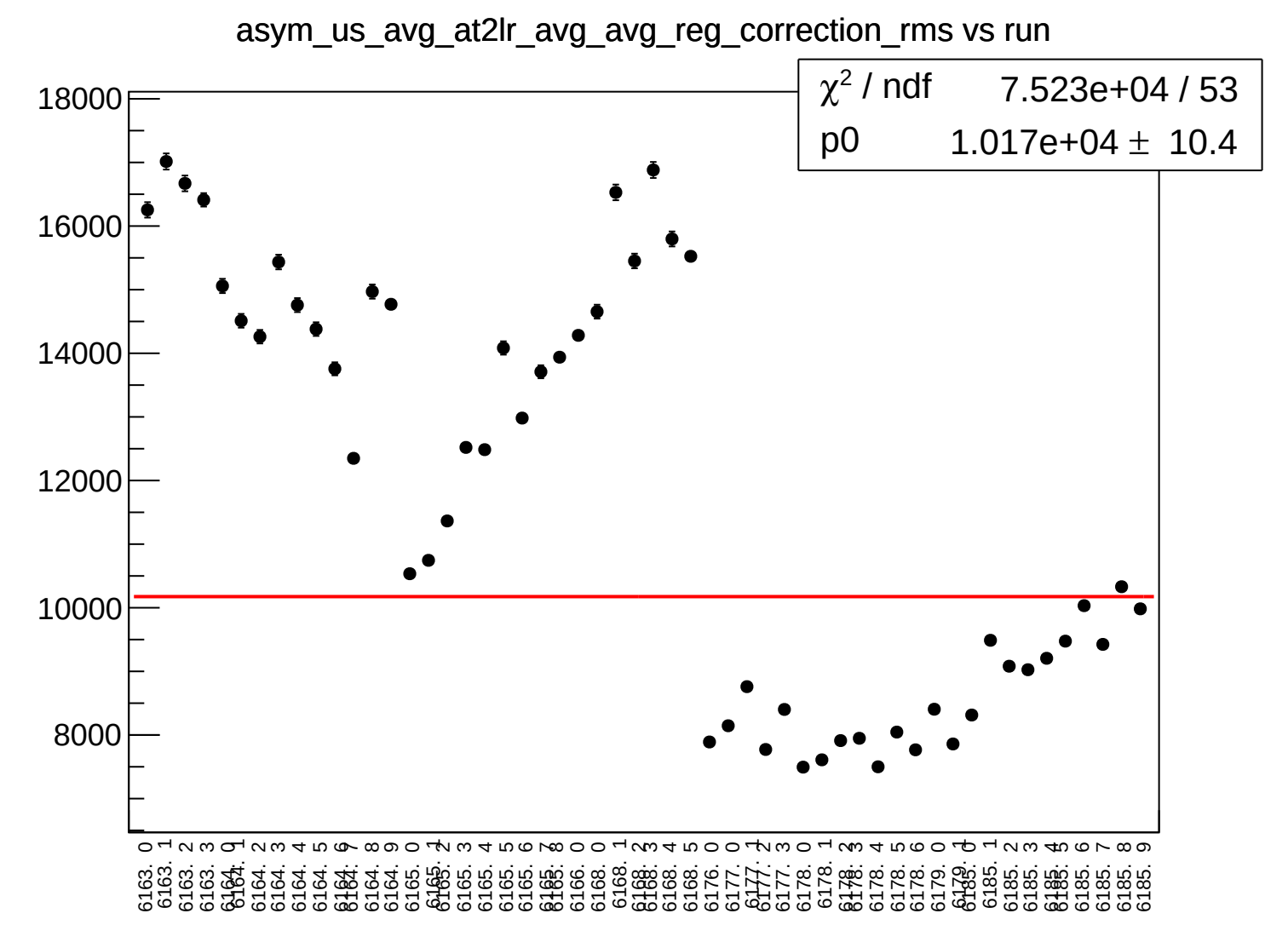

reg_asym_us_avg_at2lr_avg_avg_mean vs run
χ² / ndf 80.78 / 53
p0 5622 ± 3013
×10³
100
50
0
−50
−100
pull
Entries 54
Mean −1267
Std Dev 0
2
1
0
−1
−2
−3

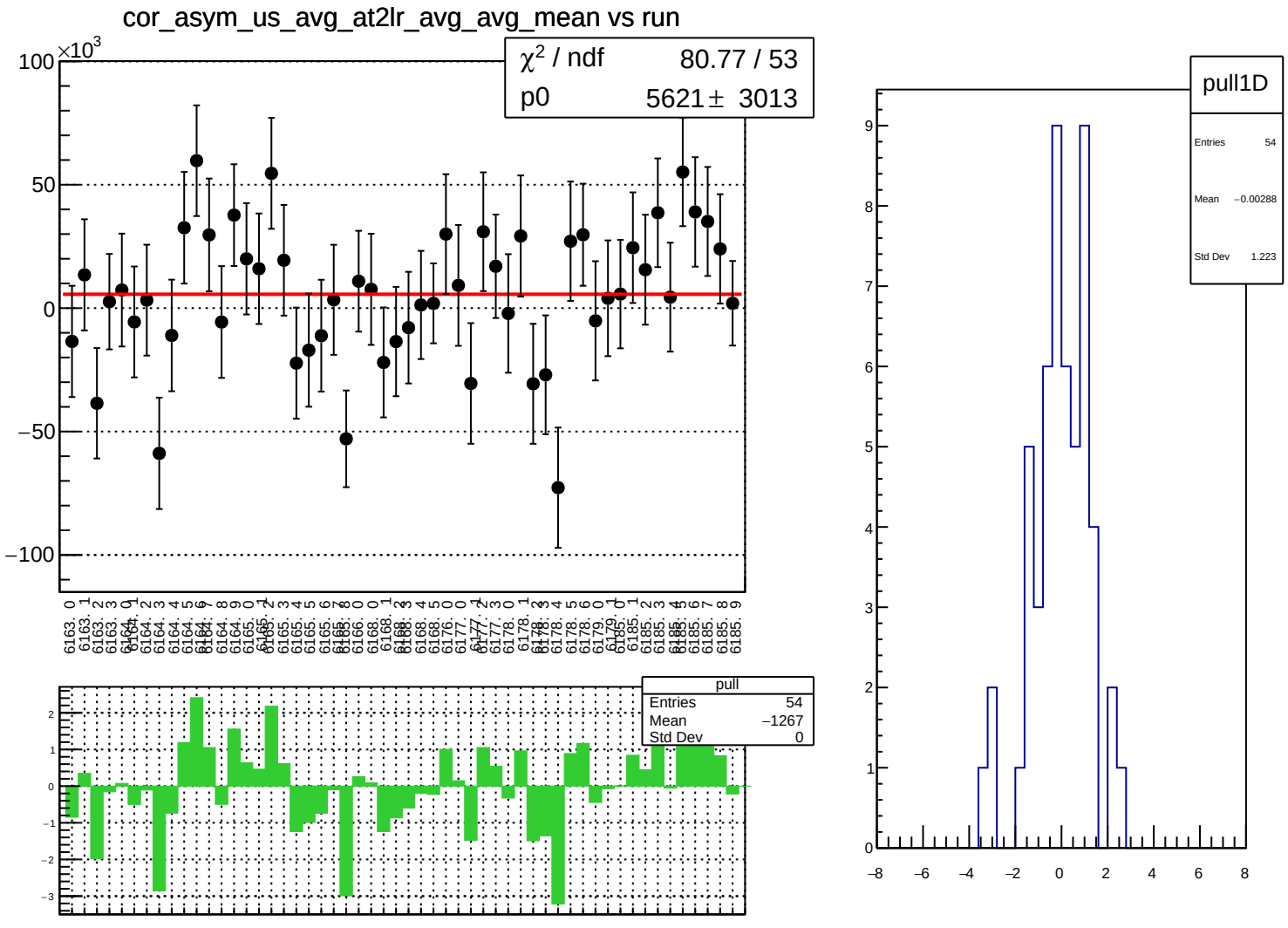

pull1D
Entries 54
Mean −0.002879
Std Dev 1.223
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

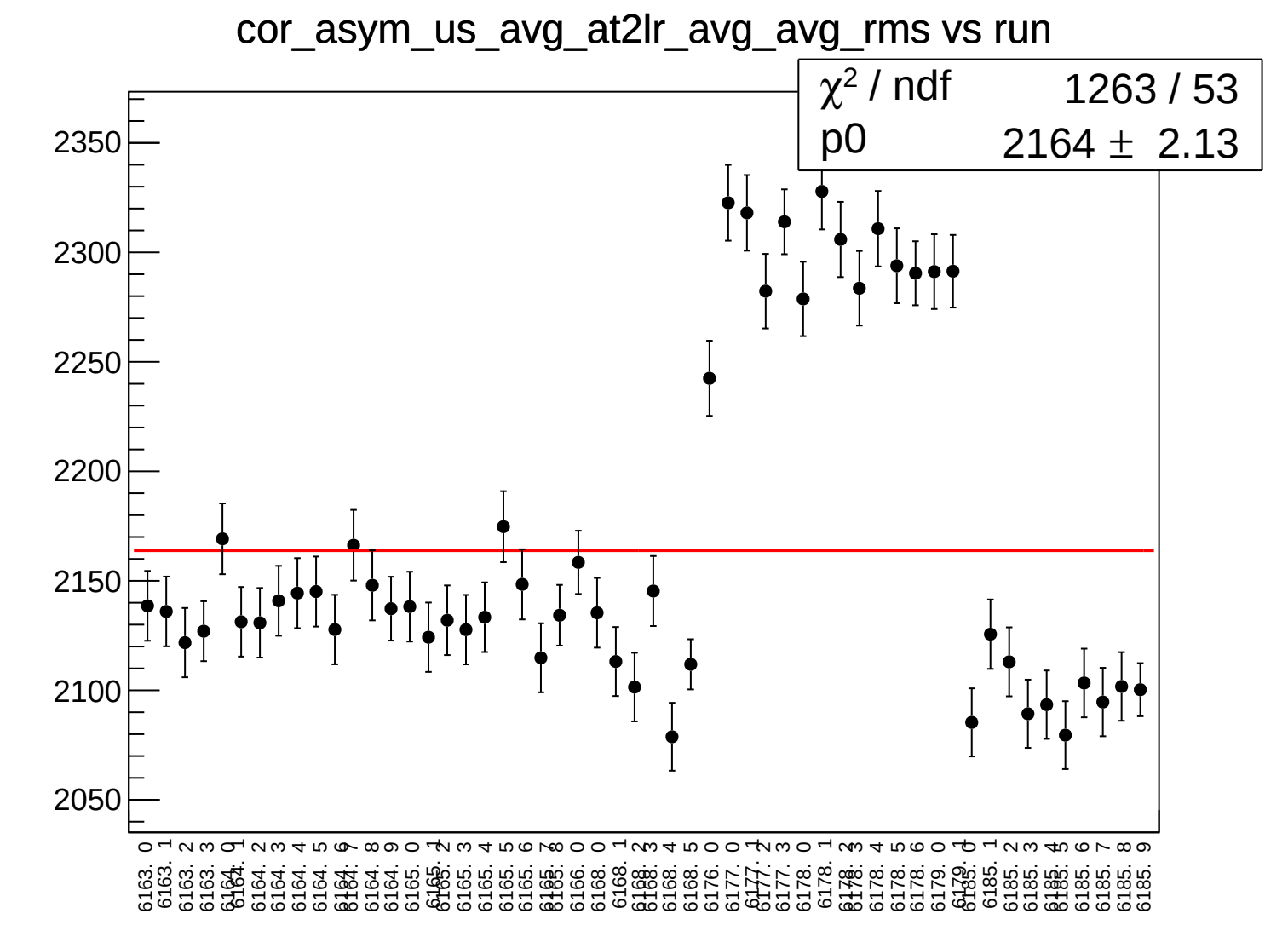

reg_asym_us_avg_at2lr_avg_avg_rms vs run
χ² / ndf 1263 / 53
p0 2164 ± 2.13
2350
2300
2250
2200
2150
2100
2050
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

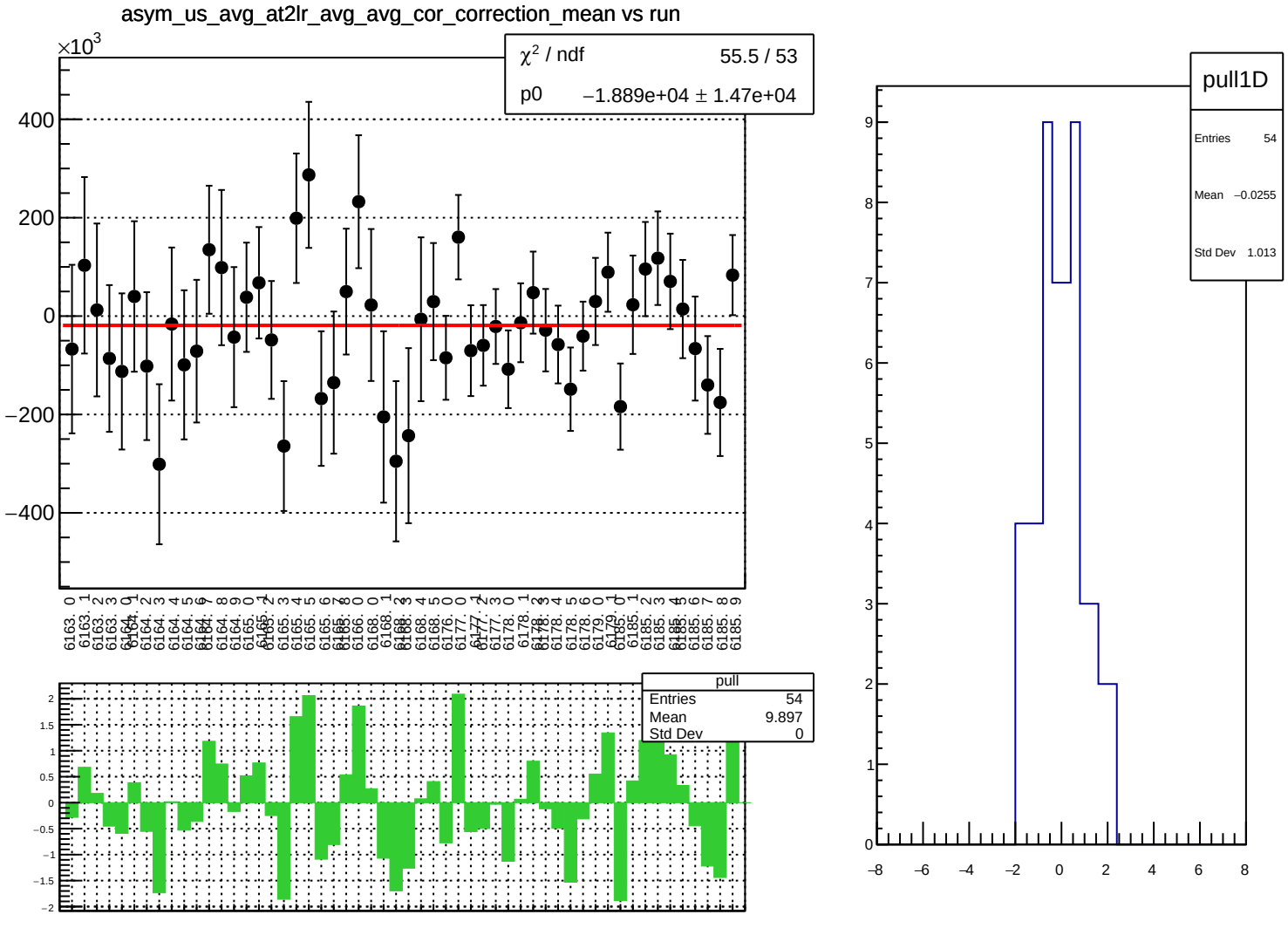

asym_us_avg_at2lr_avg_avg_reg_correction_mean vs run
×10^3
χ² / ndf 55.5 / 53
p0 −1.889e+04 ± 1.47e+04
400
200
0
−200
−400
pull
Entries 54
Mean 9.896
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

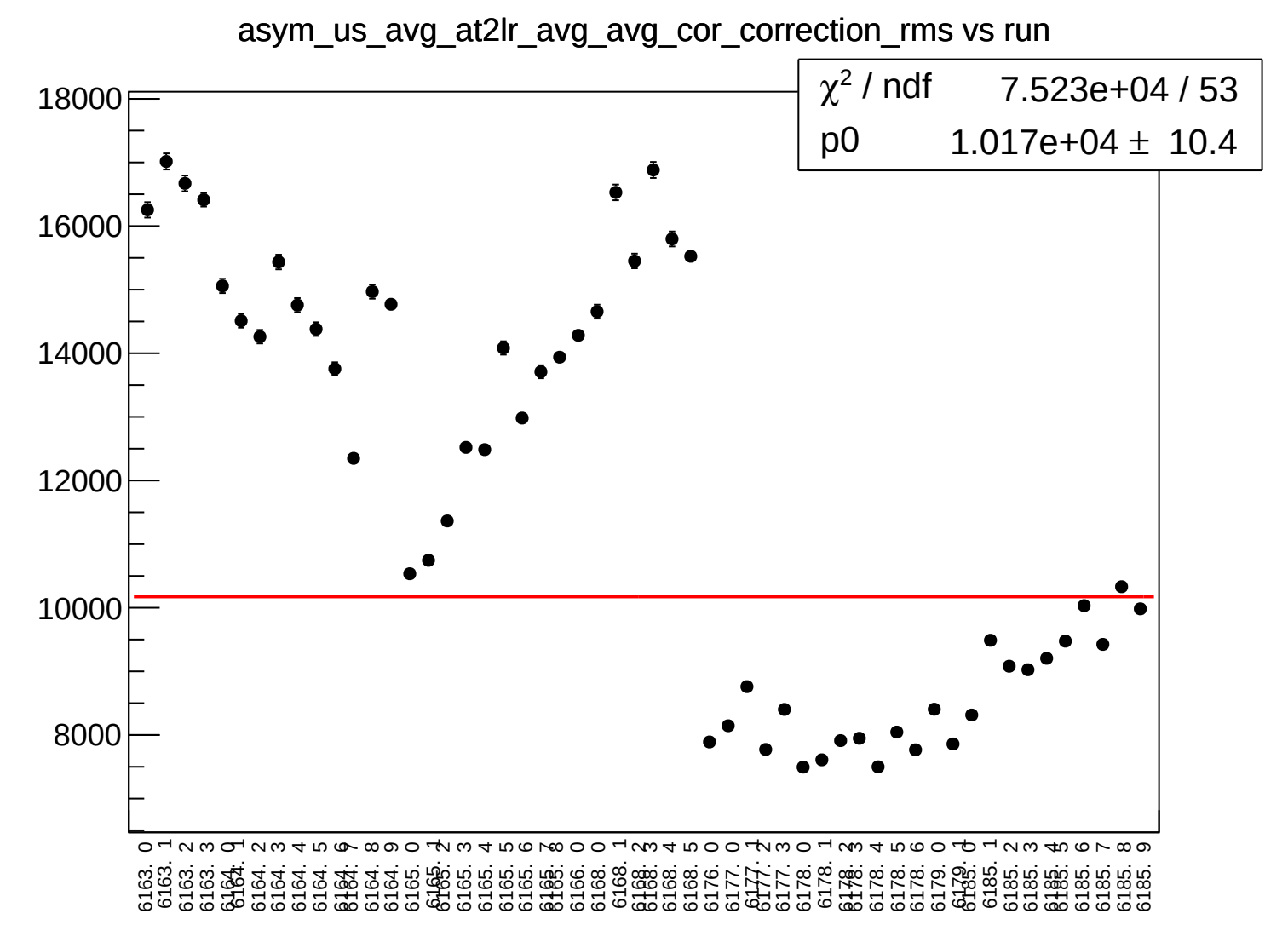

pull1D
Entries 54
Mean −0.0255
Std Dev 1.013
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

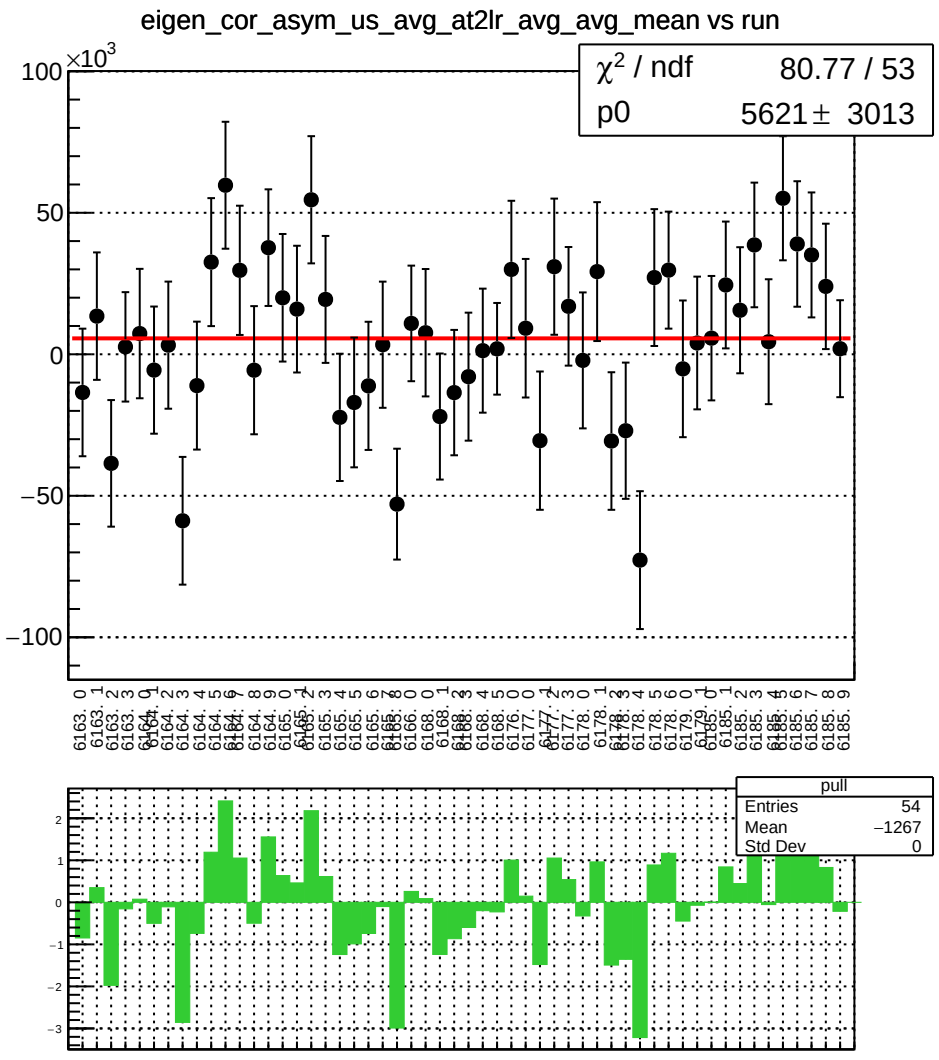

asym_us_avg_at2lr_avg_avg_reg_correction_rms vs run
χ² / ndf 7.523e+04 / 53
p0 1.017e+04 ± 10.4
18000
16000
14000
12000
10000
8000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

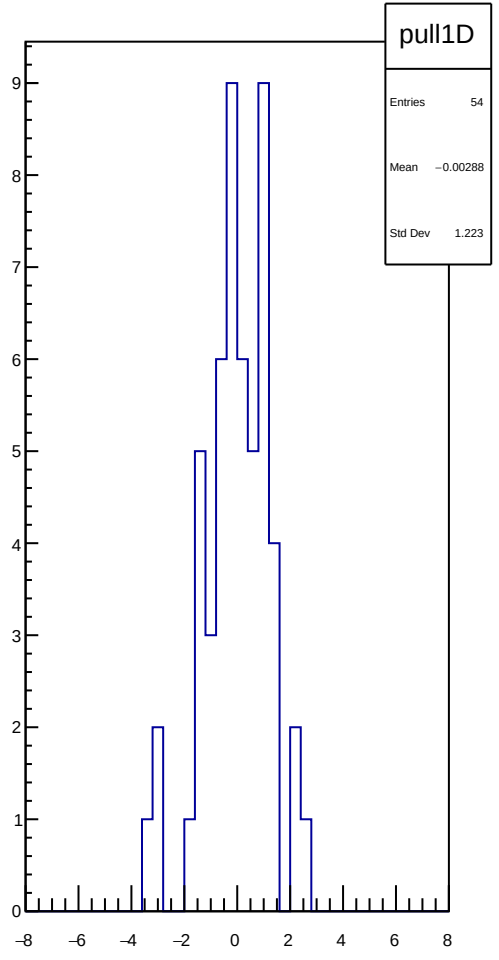

cor_asym_us_avg_at2lr_avg_avg_mean vs run
χ² / ndf 80.77 / 53
p0 5621 ± 3013
×10³
100
50
0
−50
−100
pull
Entries 54
Mean −1267
Std Dev 0
pull1D
Entries 54
Mean −0.00288
Std Dev 1.223

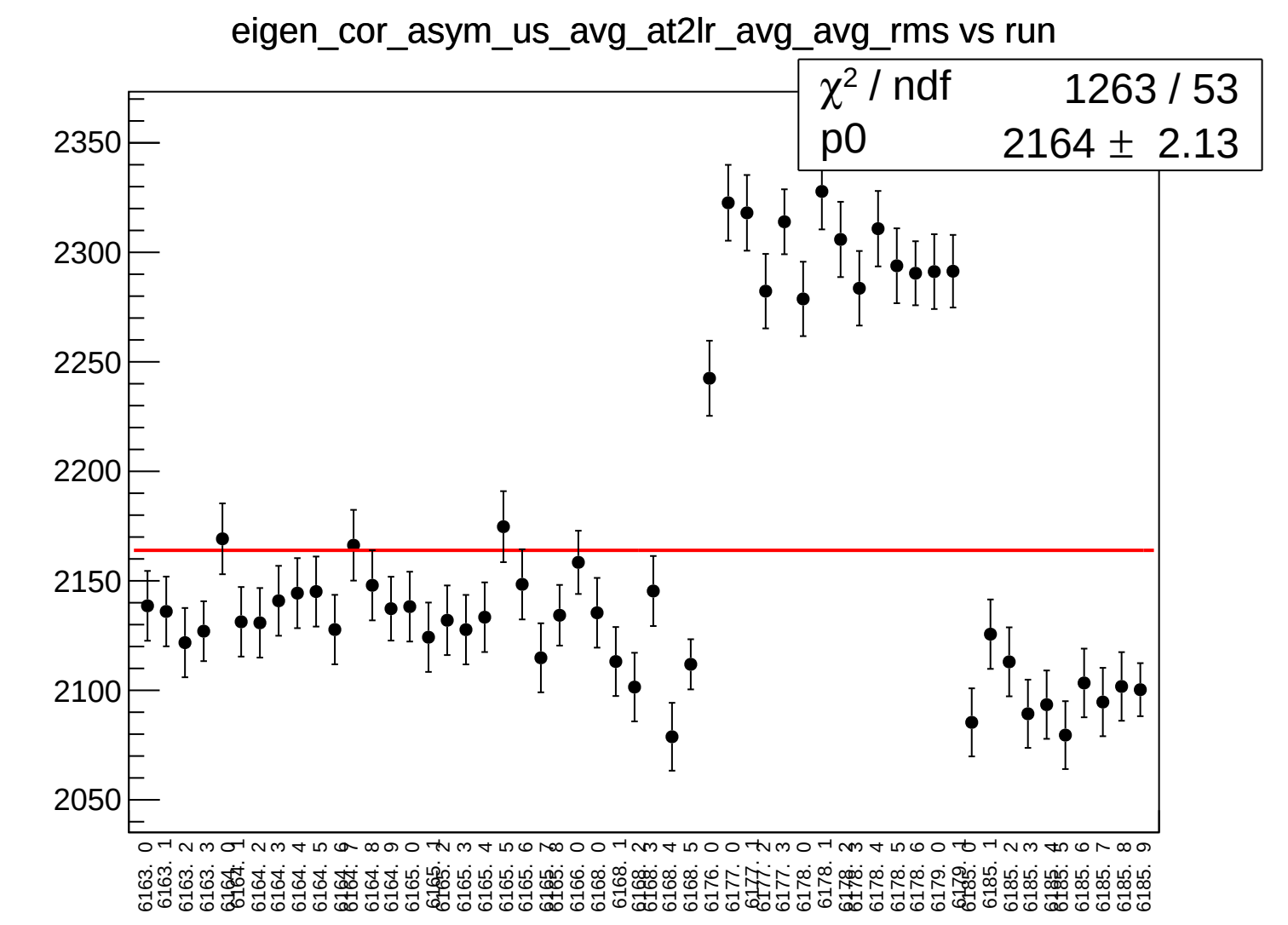

cor_asym_us_avg_at2lr_avg_avg_rms vs run
χ² / ndf 1263 / 53
p0 2164 ± 2.13
2350
2300
2250
2200
2150
2100
2050
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

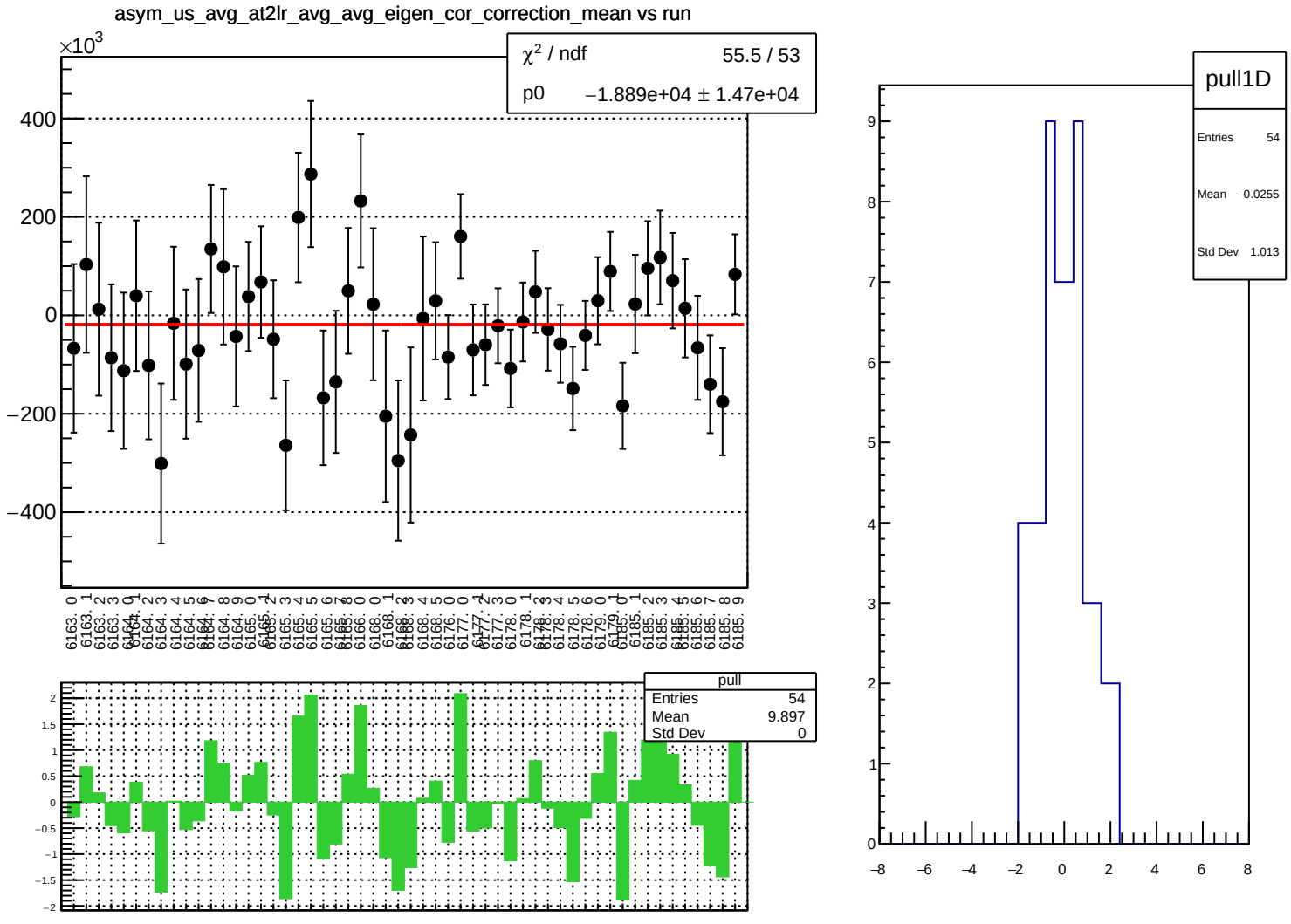

asym_us_avg_at2lr_avg_avg_cor_correction_mean vs run
×10^3
χ² / ndf 55.5 / 53
p0 −1.889e+04 ± 1.47e+04
400
200
0
−200
−400
pull
Entries 54
Mean 9.897
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 54
Mean −0.0255
Std Dev 1.013
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

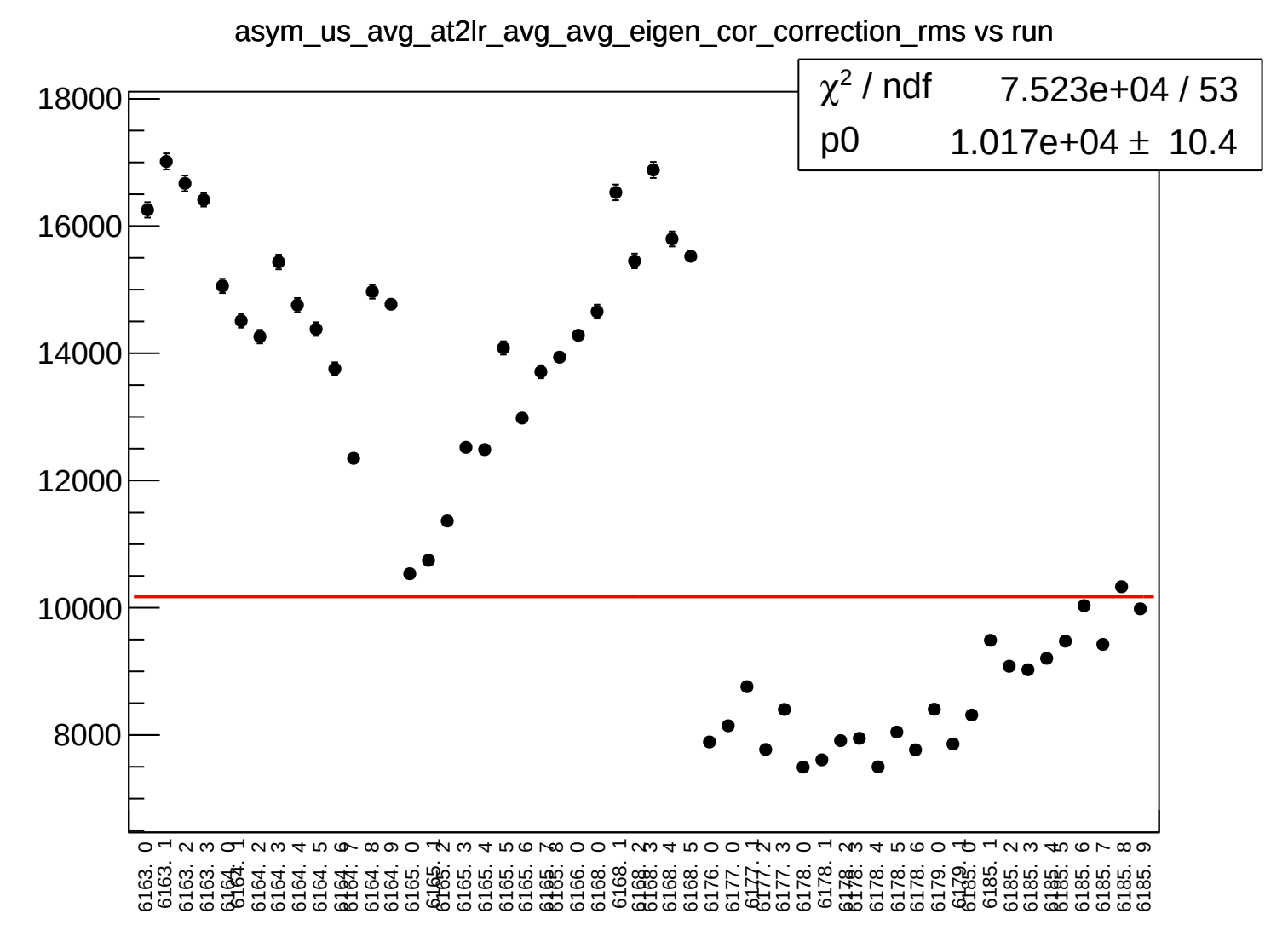

asym_us_avg_at2lr_avg_avg_cor_correction_rms vs run
χ² / ndf 7.523e+04 / 53
p0 1.017e+04 ± 10.4
18000
16000
14000
12000
10000
8000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

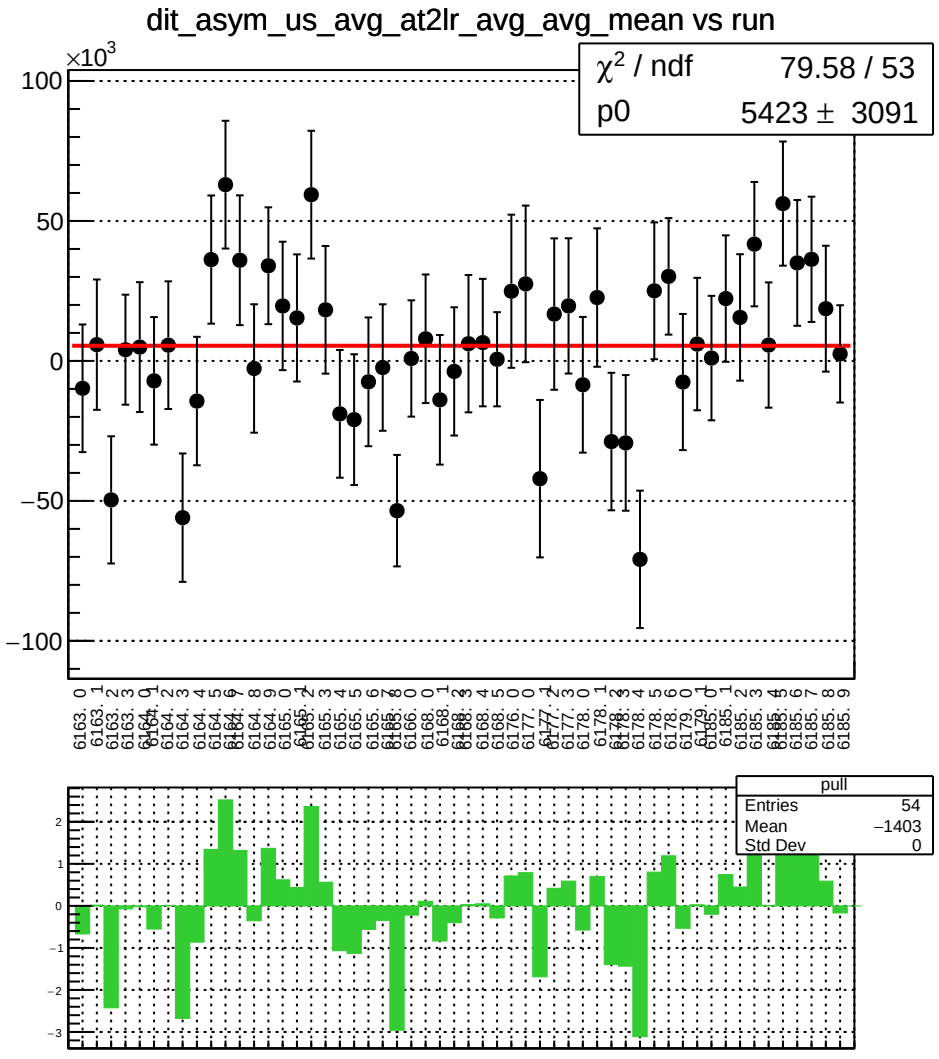

eigen_cor_asym_us_avg_at2lr_avg_avg_mean vs run
×10^3
χ² / ndf 80.77 / 53
p0 5621 ± 3013
pull
Entries 54
Mean −1267
Std Dev 0

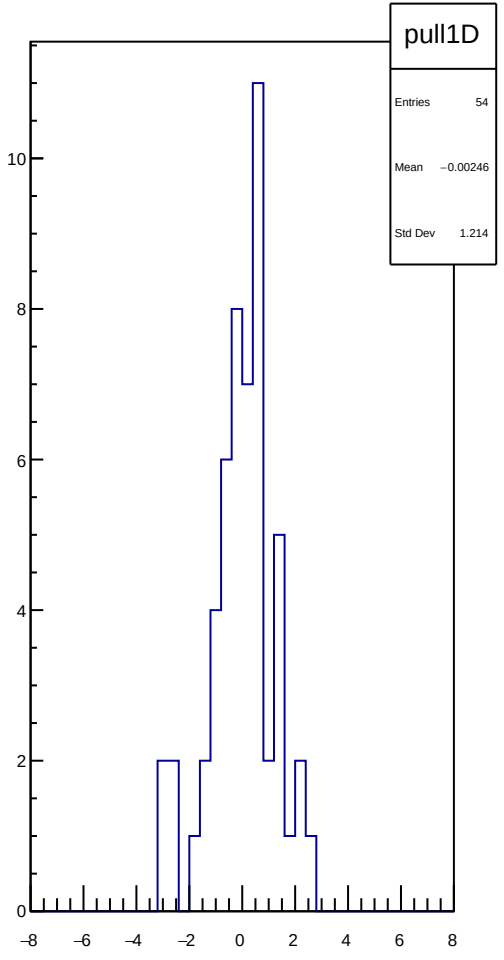

pull1D
Entries 54
Mean −0.00288
Std Dev 1.223

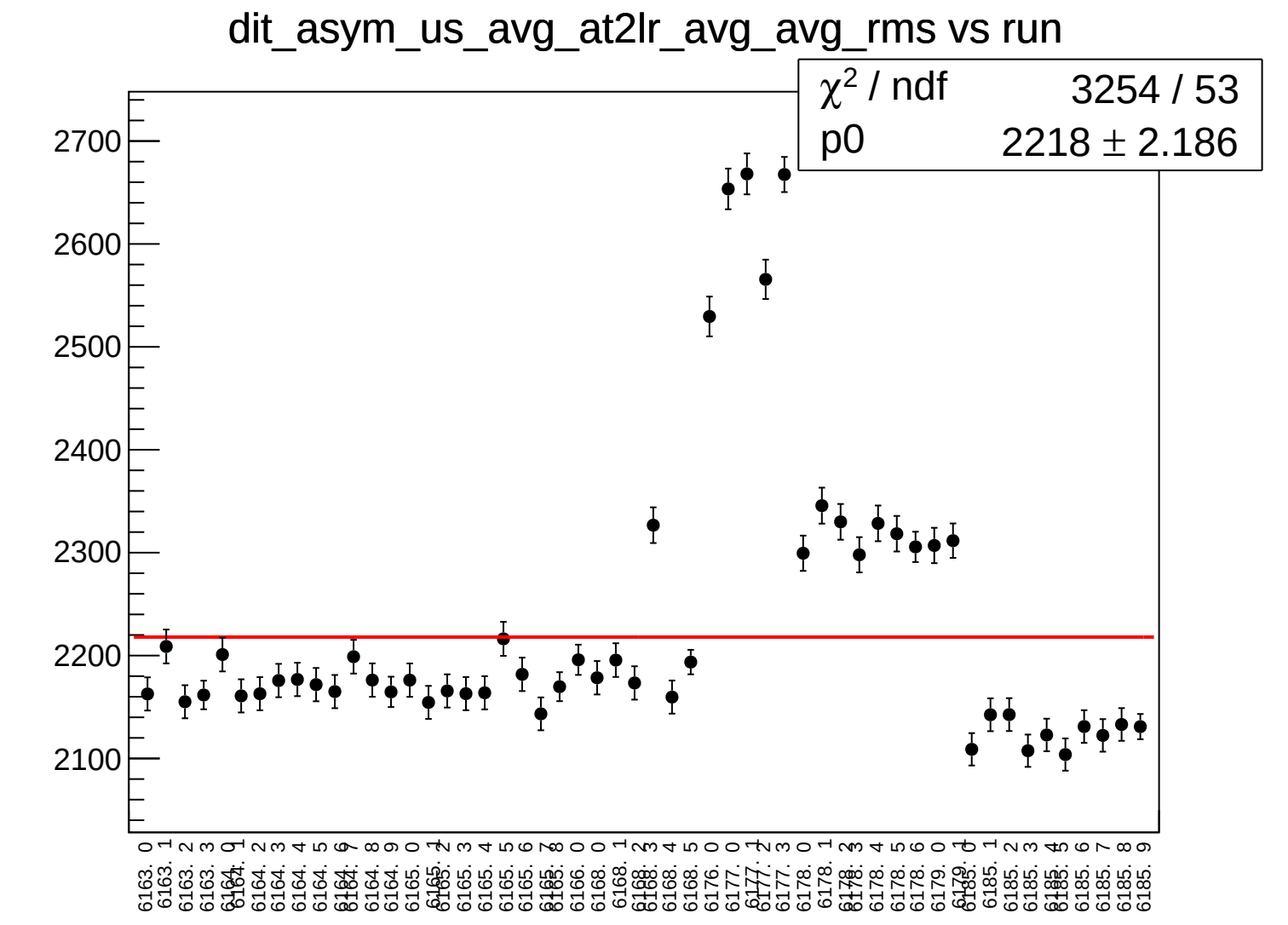

eigen_cor_asym_us_avg_at2lr_avg_avg_rms vs run
χ² / ndf 1263 / 53
p0 2164 ± 2.13
2350
2300
2250
2200
2150
2100
2050
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

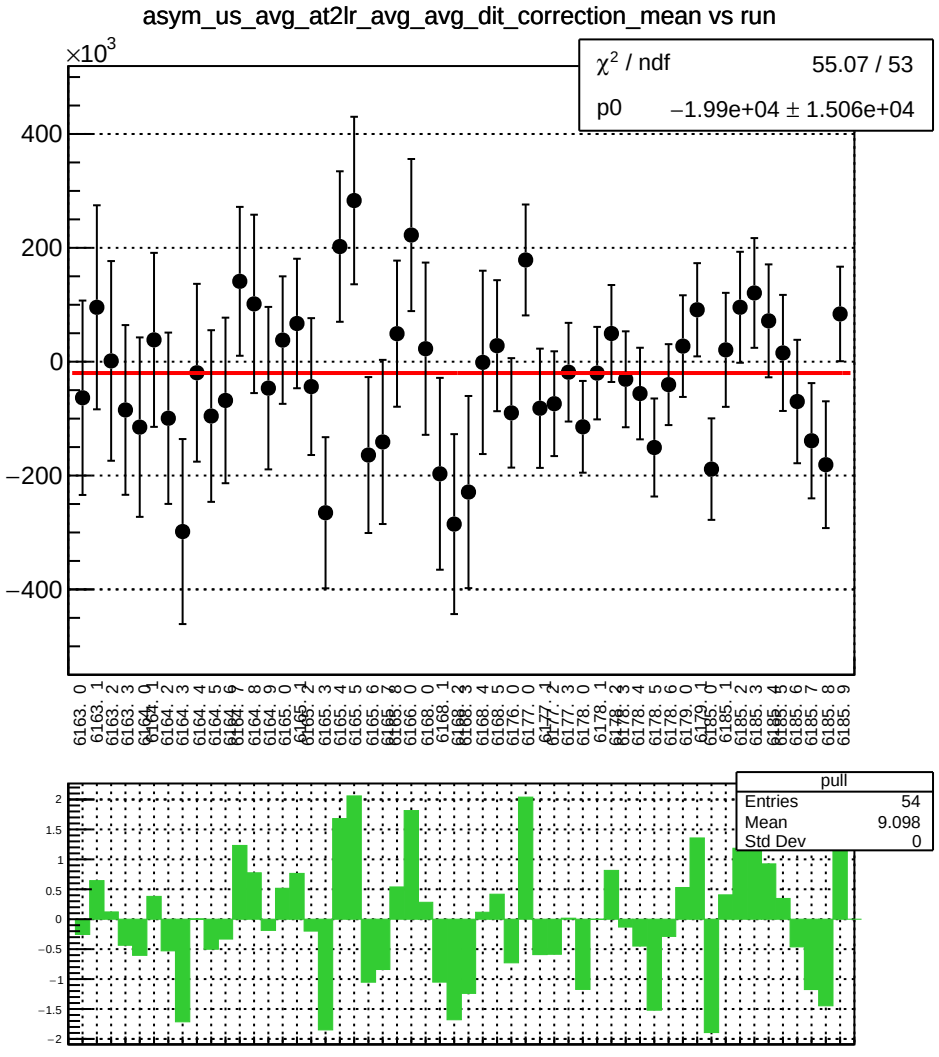

asym_us_avg_at2lr_avg_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 55.5 / 53
p0 −1.889e+04 ± 1.47e+04
pull
Entries 54
Mean 9.897
Std Dev 0
pull1D
Entries 54
Mean −0.0255
Std Dev 1.013

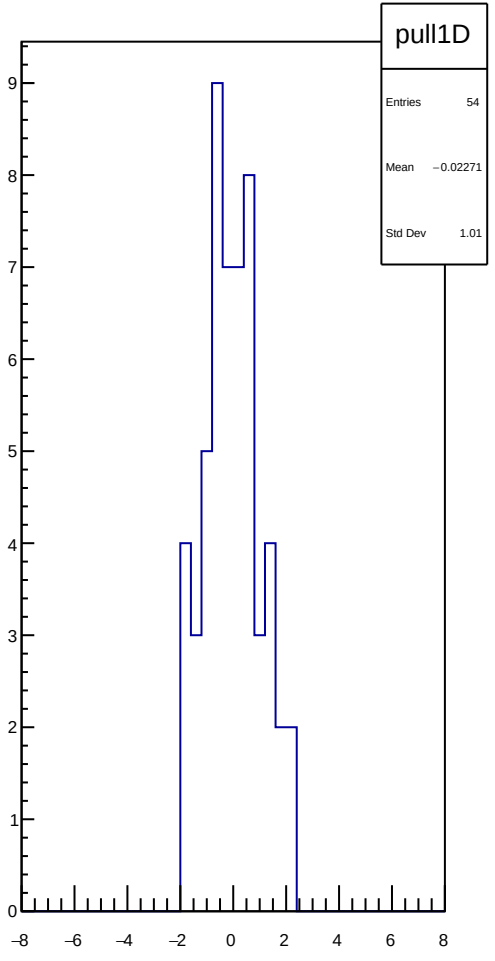

asym_us_avg_at2lr_avg_avg_eigen_cor_correction_rms vs run
χ² / ndf 7.523e+04 / 53
p0 1.017e+04 ± 10.4
18000
16000
14000
12000
10000
8000

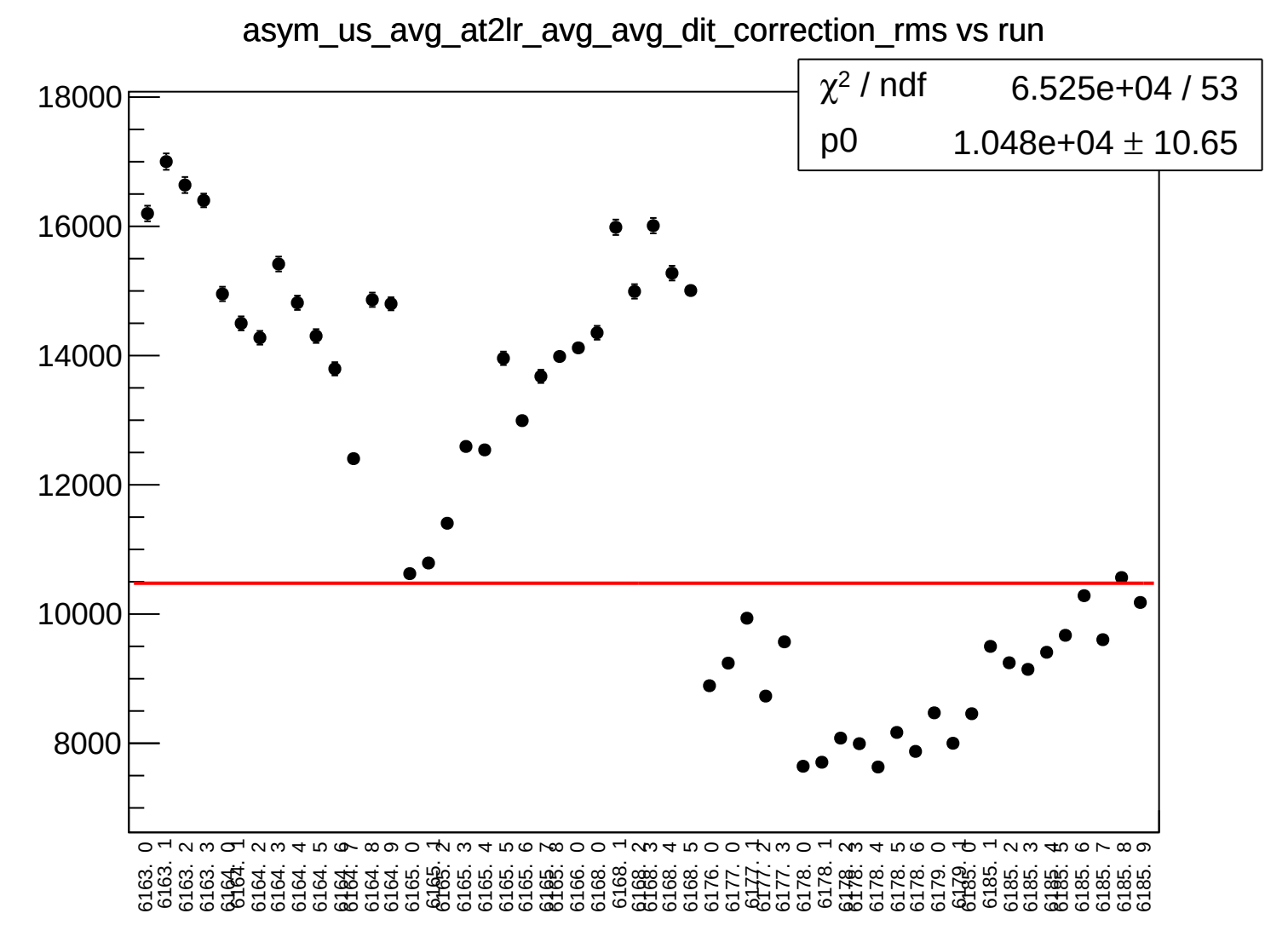

dit_asym_us_avg_at2lr_avg_avg_mean vs run
×10^3
χ^2 / ndf 79.58 / 53
p0 5423 ± 3091
100
50
0
−50
−100
pull
Entries 54
Mean −1403
Std Dev 0
2
1
0
−1
−2
−3

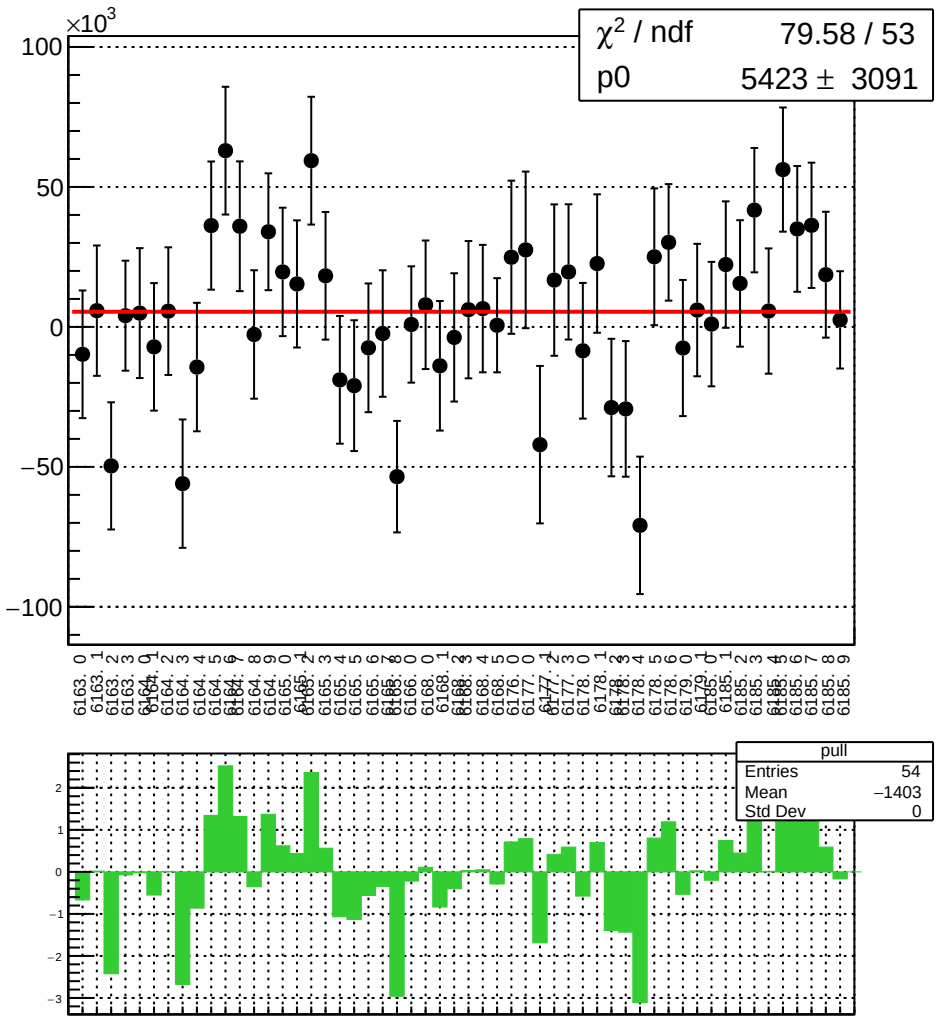

pull1D
Entries 54
Mean −0.00246
Std Dev 1.214
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

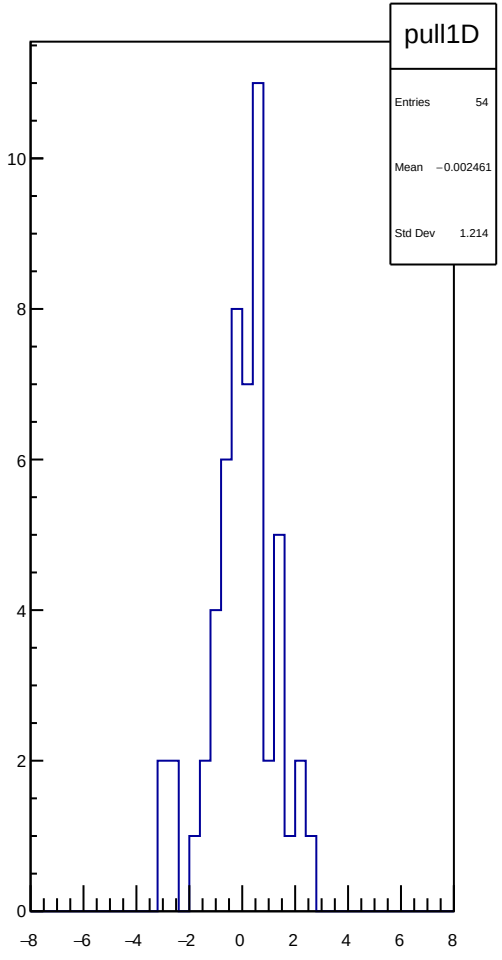

dit_asym_us_avg_at2lr_avg_avg_rms vs run
χ² / ndf 3254 / 53
p0 2218 ± 2.186
2700
2600
2500
2400
2300
2200
2100
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

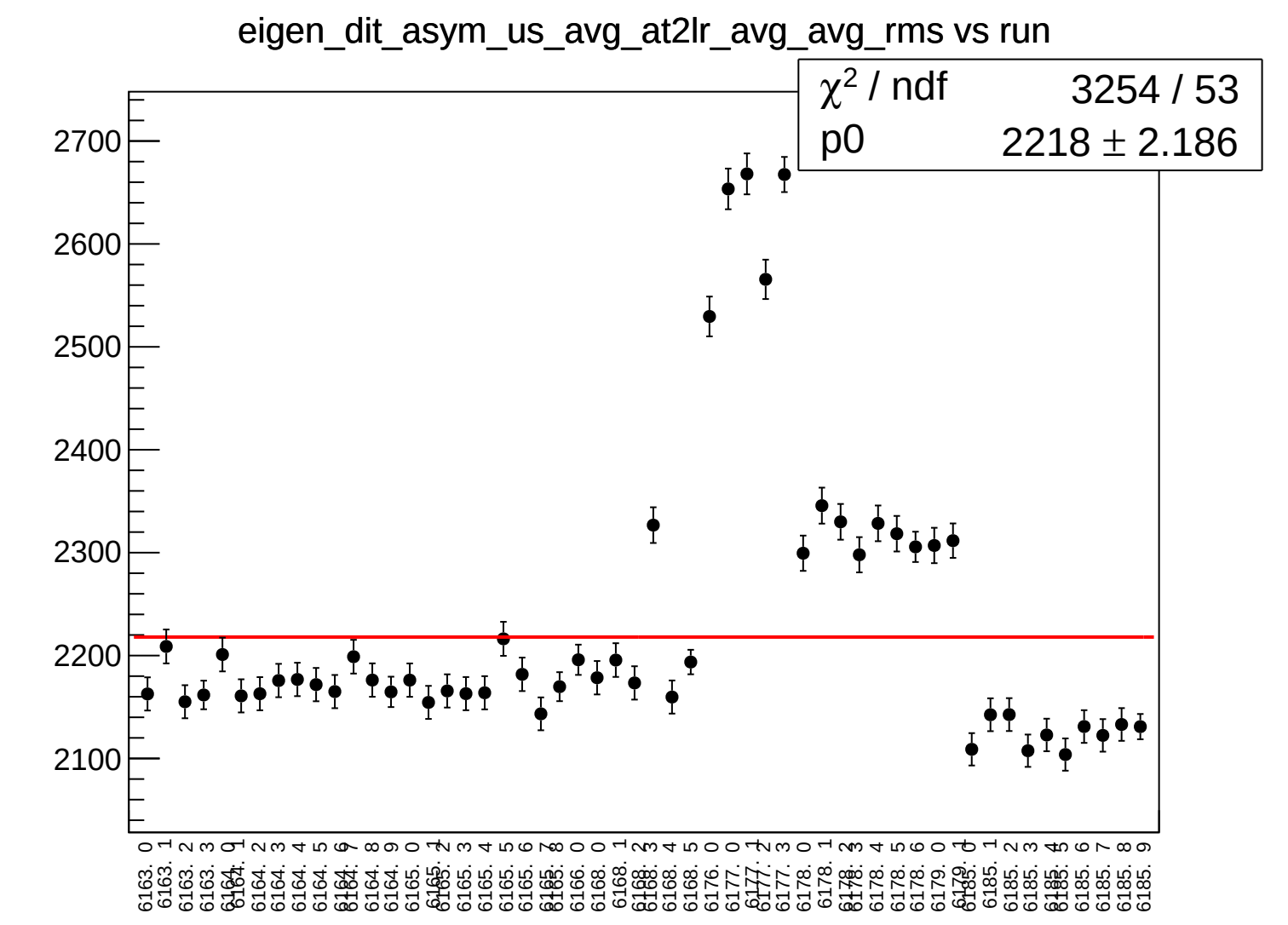

asym_us_avg_at2lr_avg_avg_dit_correction_mean vs run
×10^3
χ² / ndf 55.07 / 53
p0 −1.99e+04 ± 1.506e+04
400
200
0
−200
−400
pull
Entries 54
Mean 9.098
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

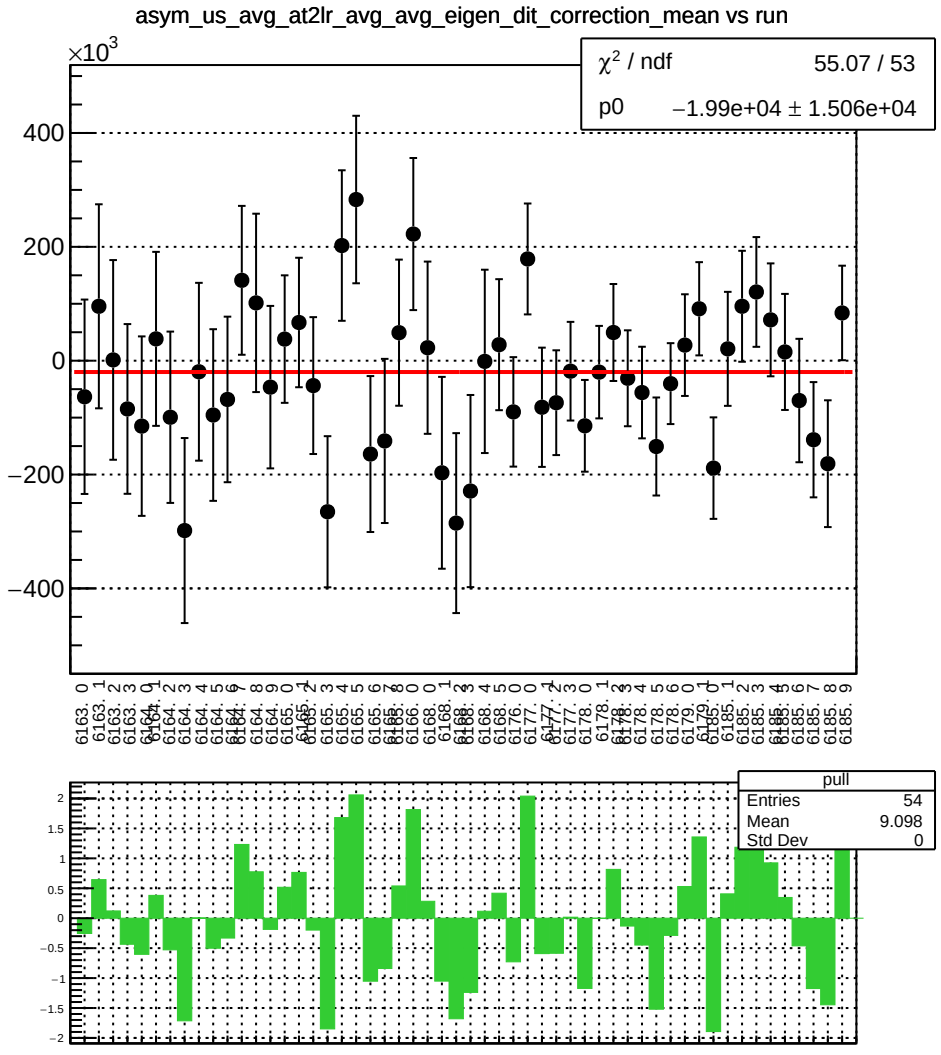

pull1D
Entries 54
Mean −0.02271
Std Dev 1.01
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

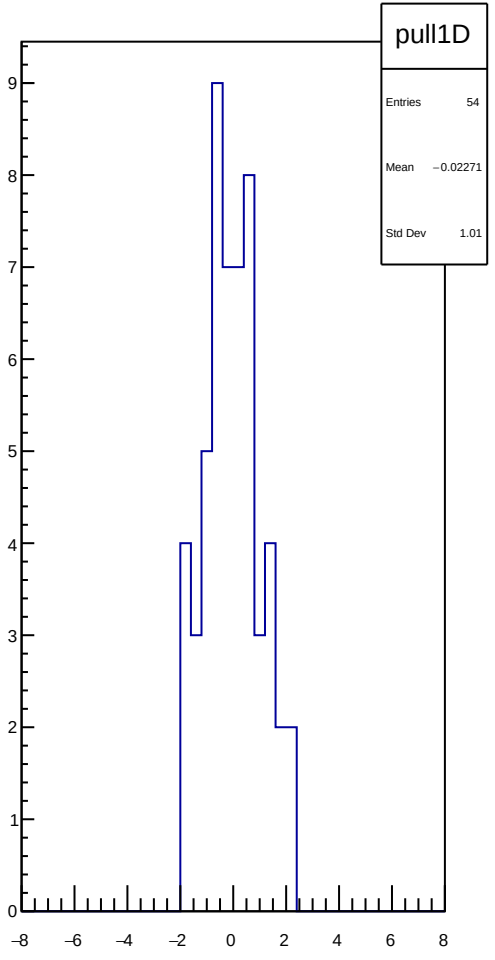

asym_us_avg_at2lr_avg_avg_dit_correction_rms vs run
χ² / ndf 6.525e+04 / 53
p0 1.048e+04 ± 10.65
18000
16000
14000
12000
10000
8000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

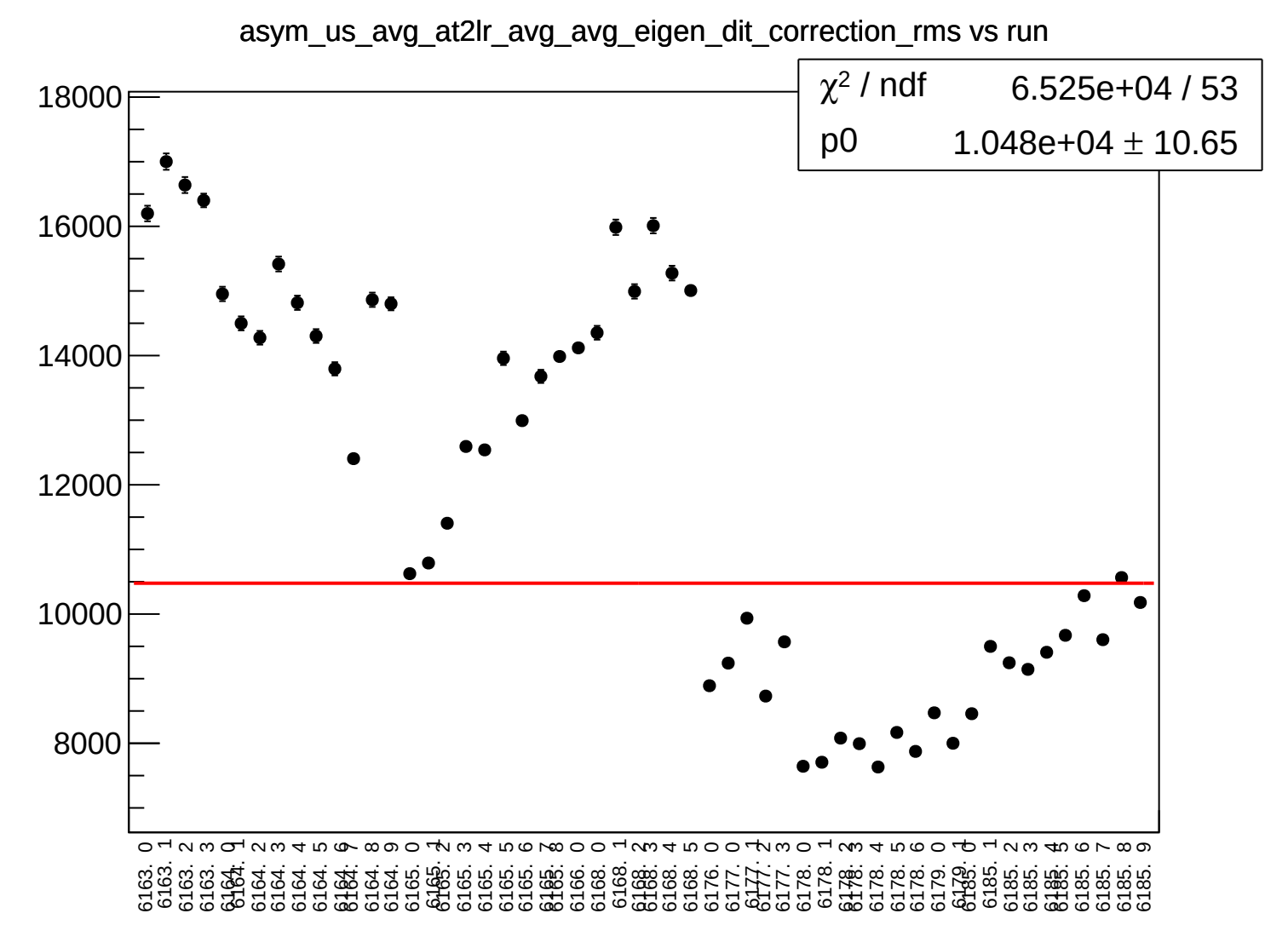

eigen_dit_asym_us_avg_at2lr_avg_avg_mean vs run
×10^3
χ^2 / ndf 79.58 / 53
p0 5423 ± 3091
100
50
0
−50
−100
pull
Entries 54
Mean −1403
Std Dev 0
2
1
0
−1
−2
−3

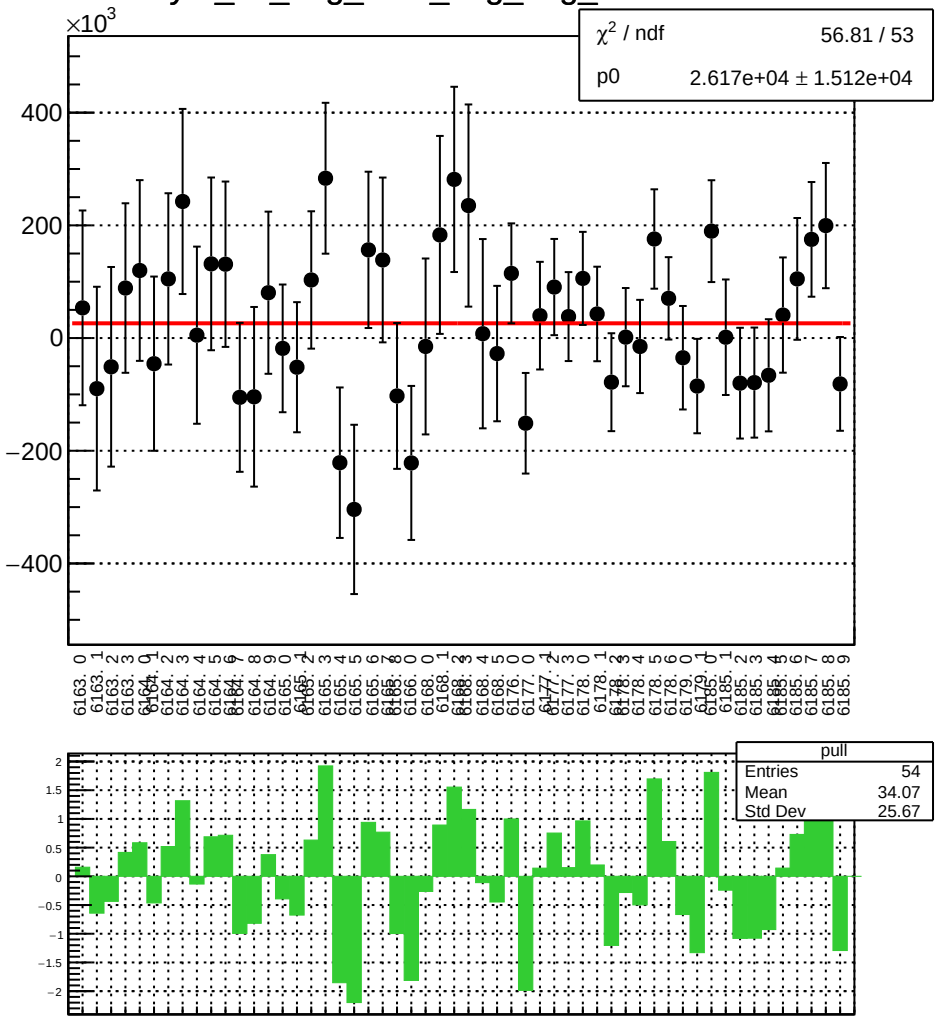

pull1D
Entries 54
Mean −0.002461
Std Dev 1.214
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

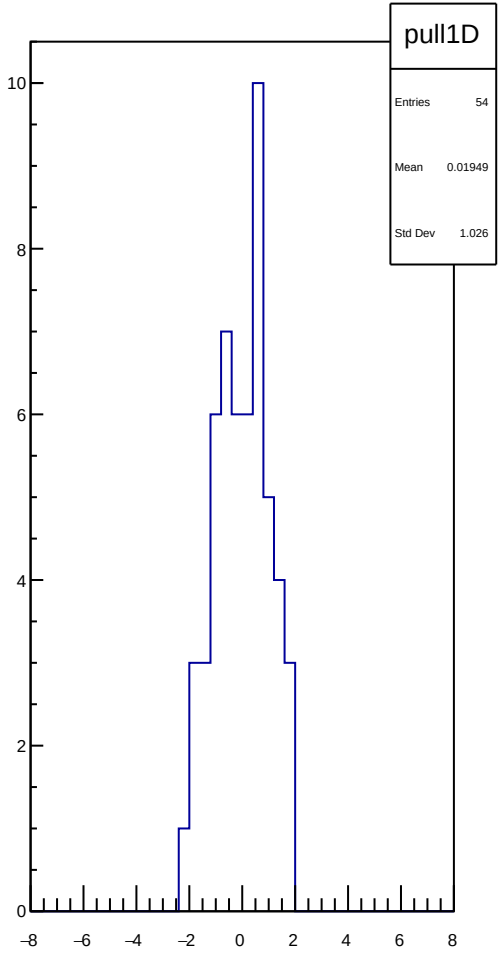

eigen_dit_asym_us_avg_at2lr_avg_avg_rms vs run
χ² / ndf 3254 / 53
p0 2218 ± 2.186
2700
2600
2500
2400
2300
2200
2100
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

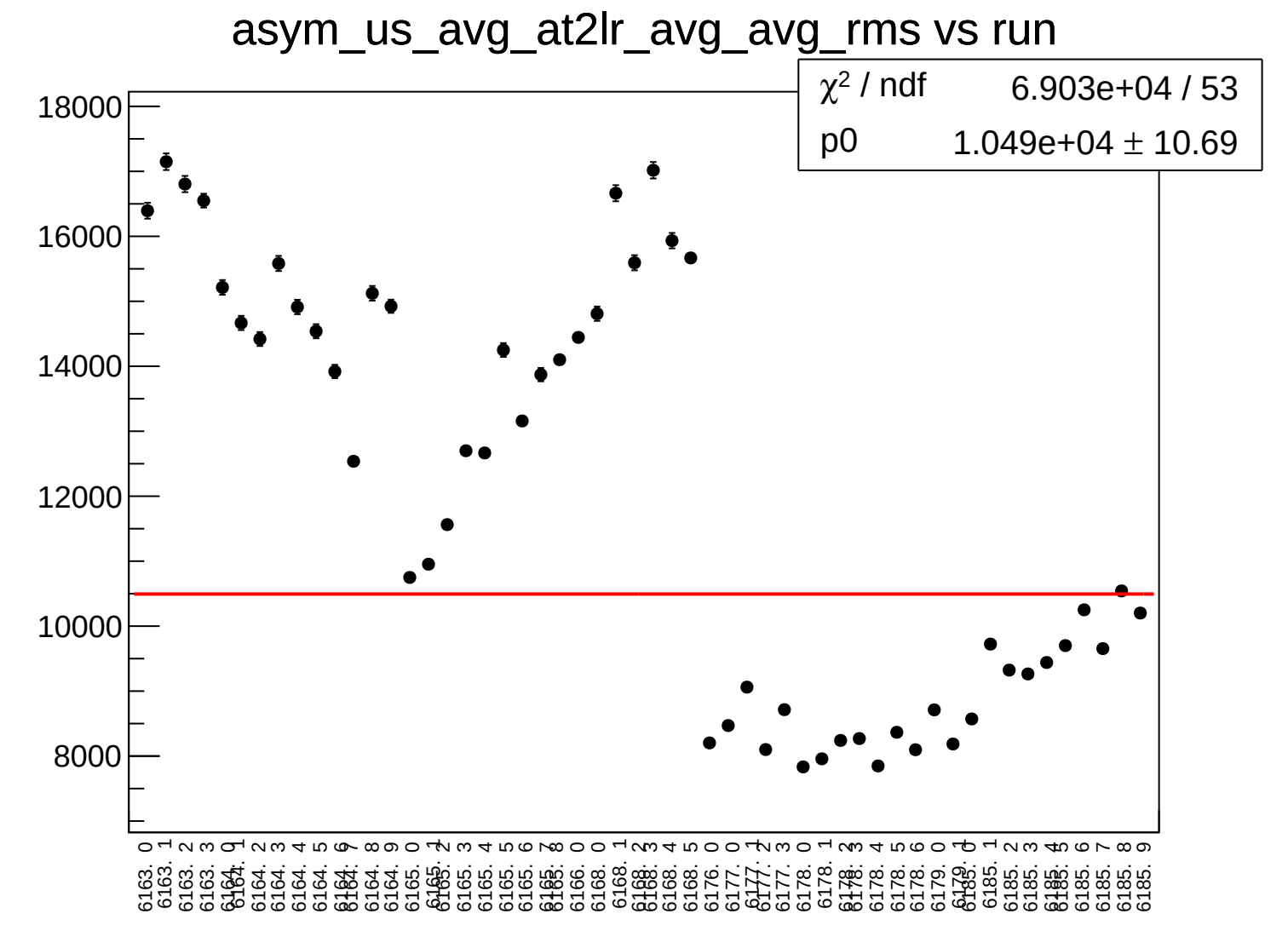

asym_us_avg_at2lr_avg_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 55.07 / 53
p0 −1.99e+04 ± 1.506e+04
400
200
0
−200
−400
pull
Entries 54
Mean 9.098
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

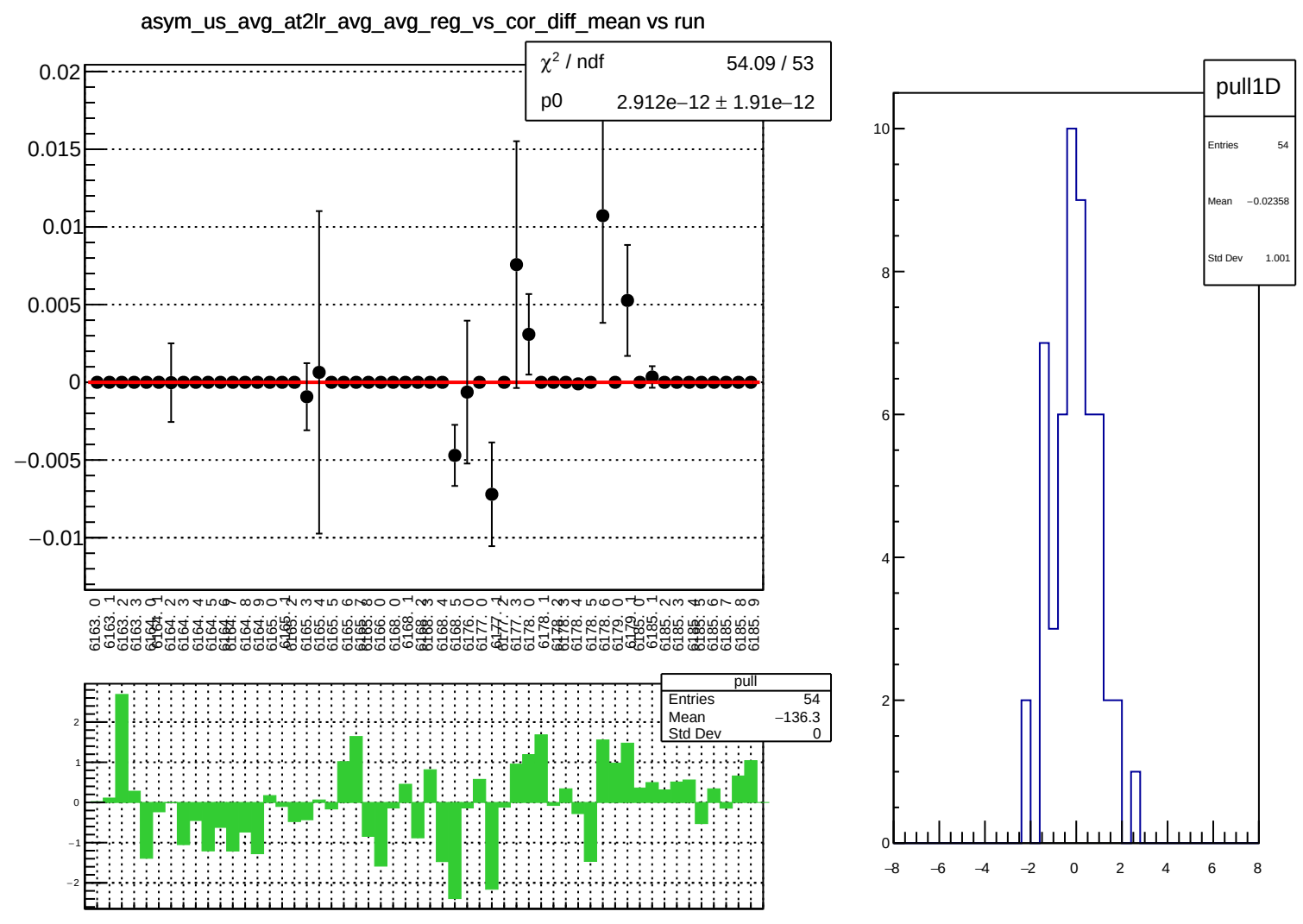

pull1D
Entries 54
Mean −0.02271
Std Dev 1.01
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

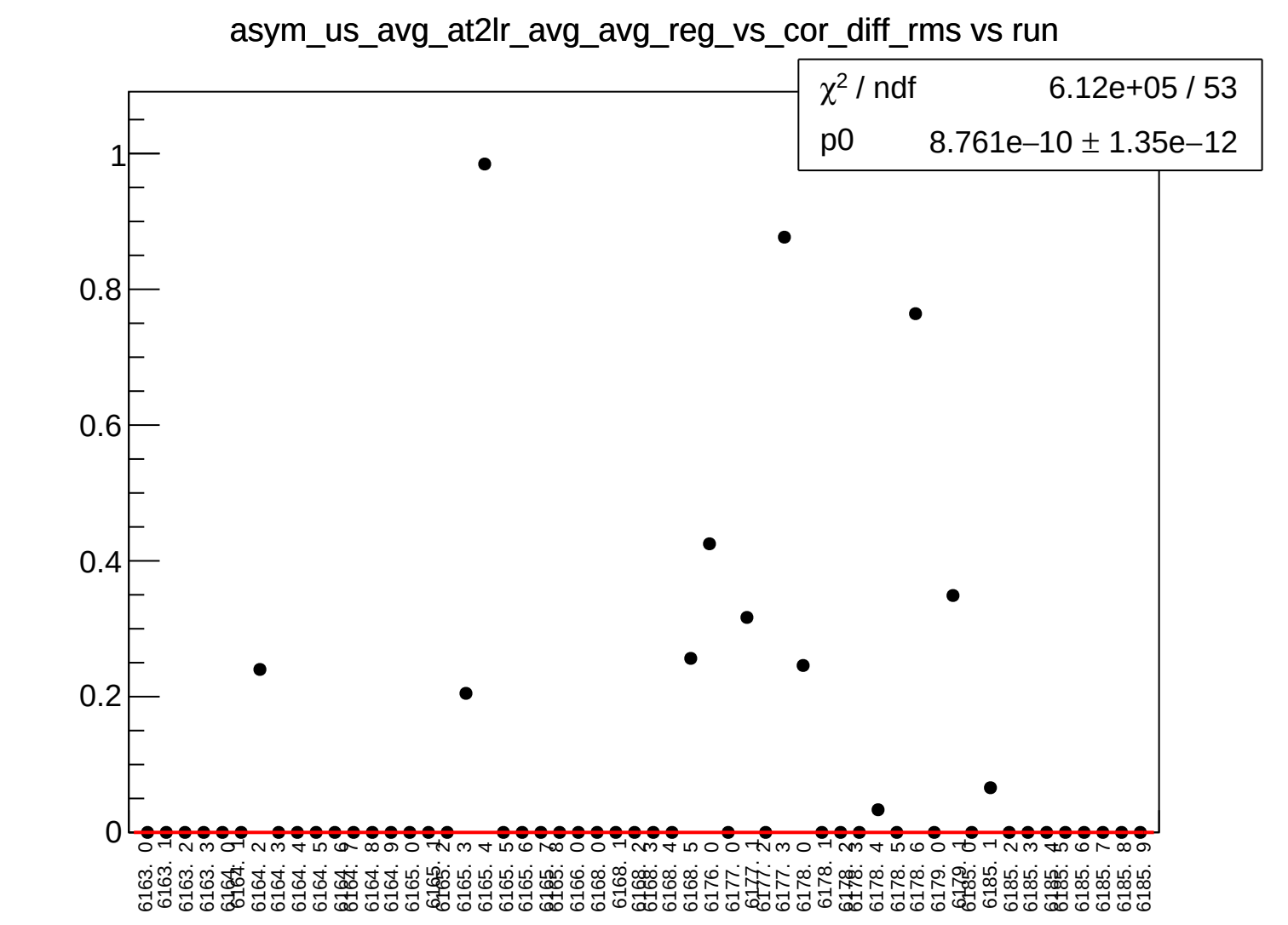

asym_us_avg_at2lr_avg_avg_eigen_dit_correction_rms vs run
χ² / ndf 6.525e+04 / 53
p0 1.048e+04 ± 10.65
18000
16000
14000
12000
10000
8000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

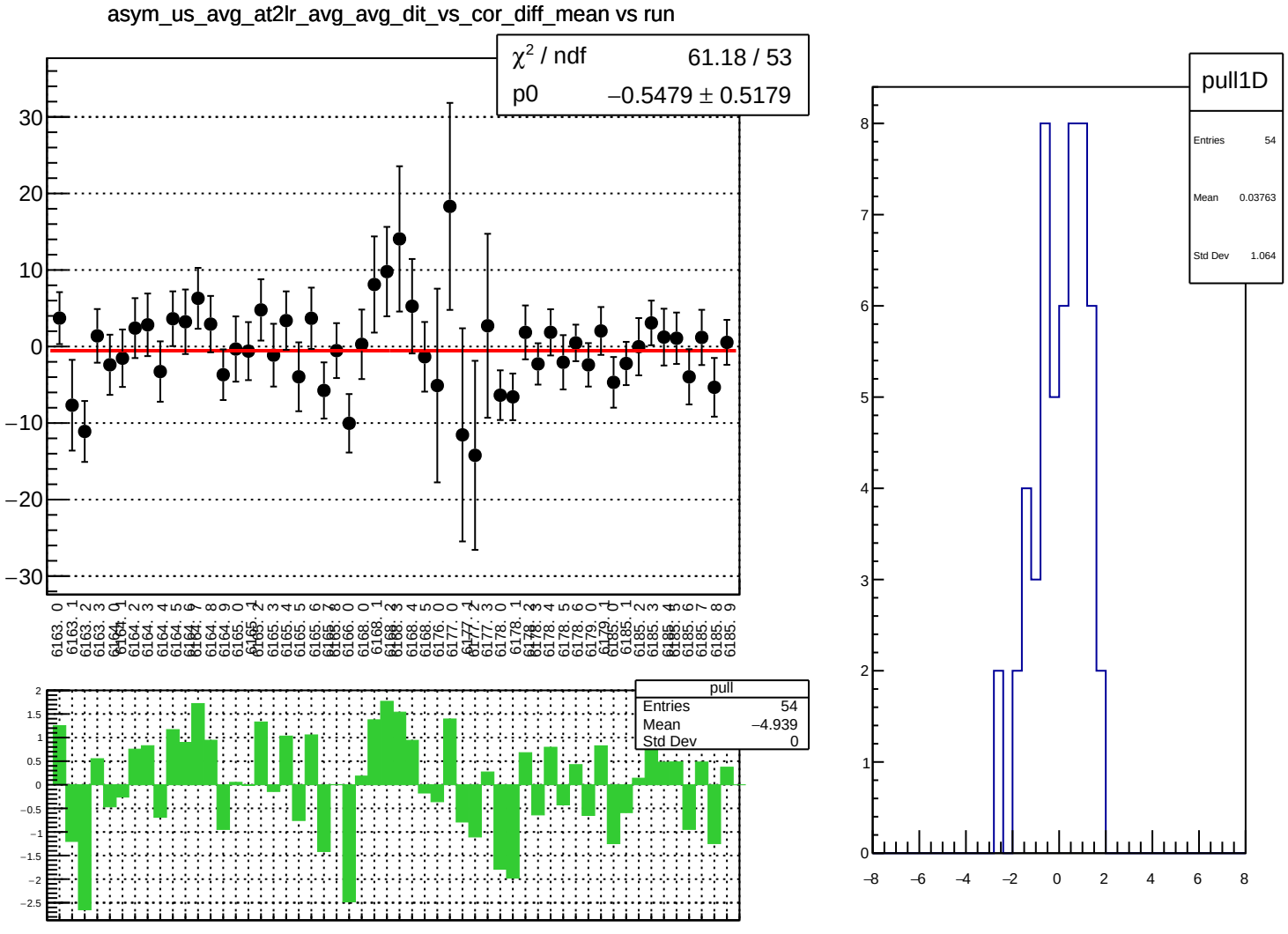

asym_us_avg_at2lr_avg_avg_mean vs run
×10^3
χ² / ndf 56.81 / 53
p0 2.617e+04 ± 1.512e+04
400
200
0
−200
−400
pull
Entries 54
Mean 34.07
Std Dev 25.67
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

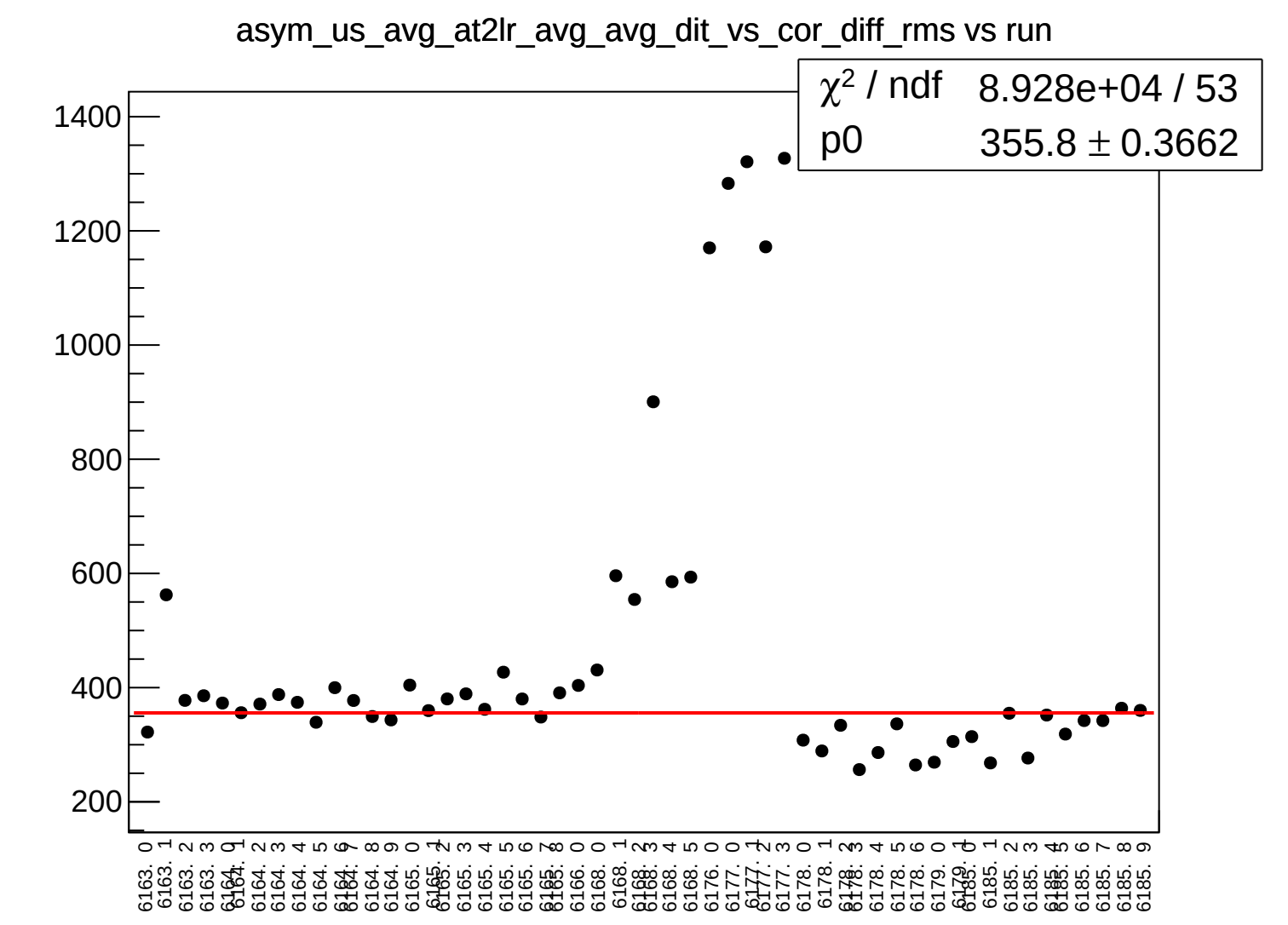

pull1D
Entries 54
Mean 0.01949
Std Dev 1.026
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

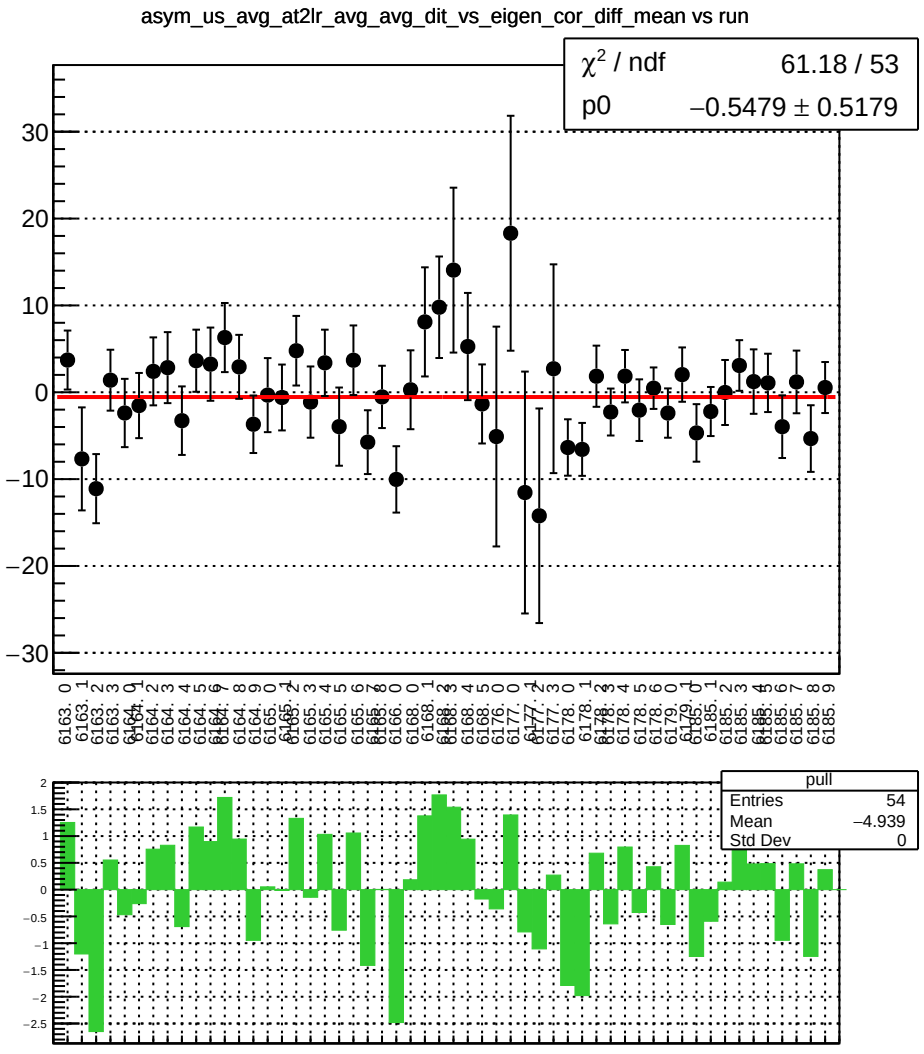

asym_us_avg_at2lr_avg_avg_rms vs run
χ² / ndf 6.903e+04 / 53
p0 1.049e+04 ± 10.69
18000
16000
14000
12000
10000
8000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

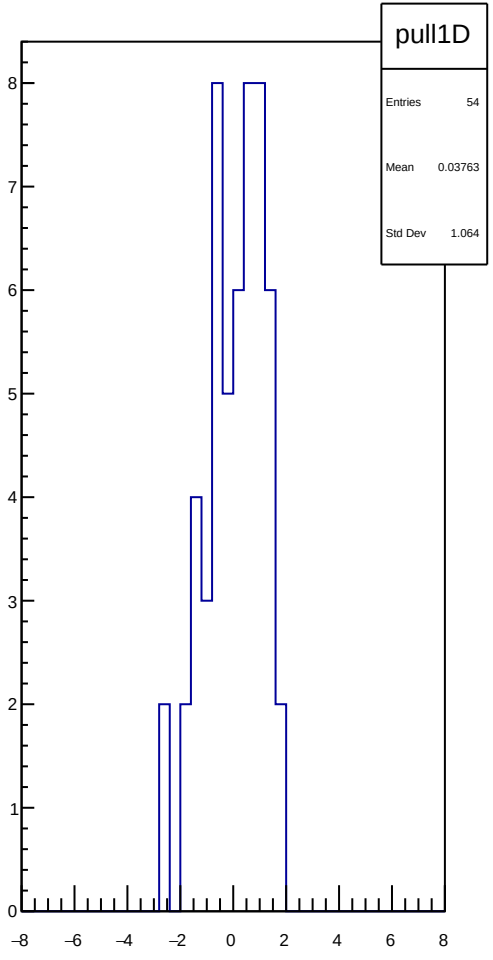

asym_us_avg_at2lr_avg_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 54.09 / 53
p0 2.912e−12 ± 1.91e−12
pull
Entries 54
Mean −136.3
Std Dev 0
pull1D
Entries 54
Mean −0.02358
Std Dev 1.001

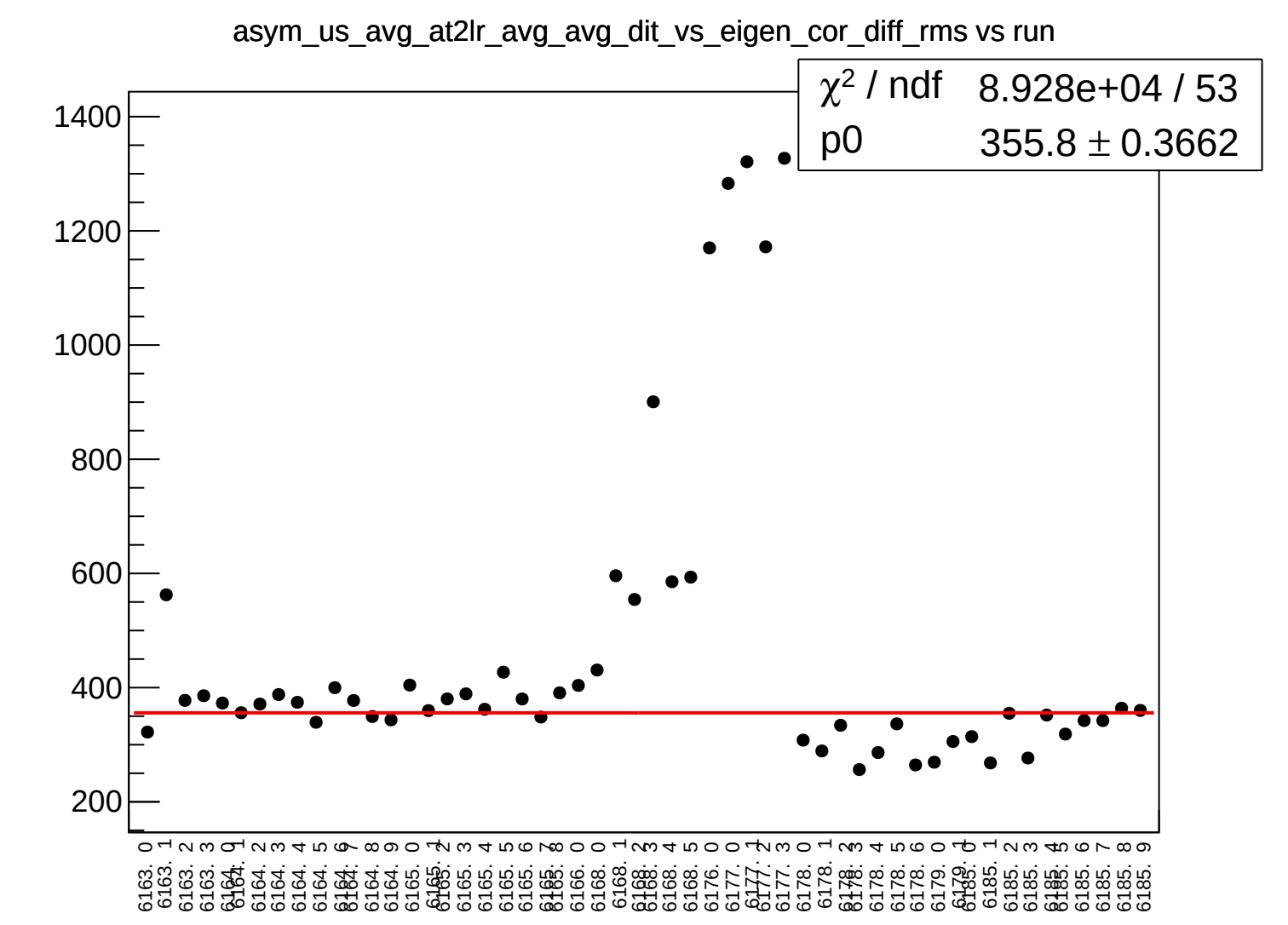

asym_us_avg_at2lr_avg_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.12e+05 / 53
p0 8.761e−10 ± 1.35e−12
1
0.8
0.6
0.4
0.2
0
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 2
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 3
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

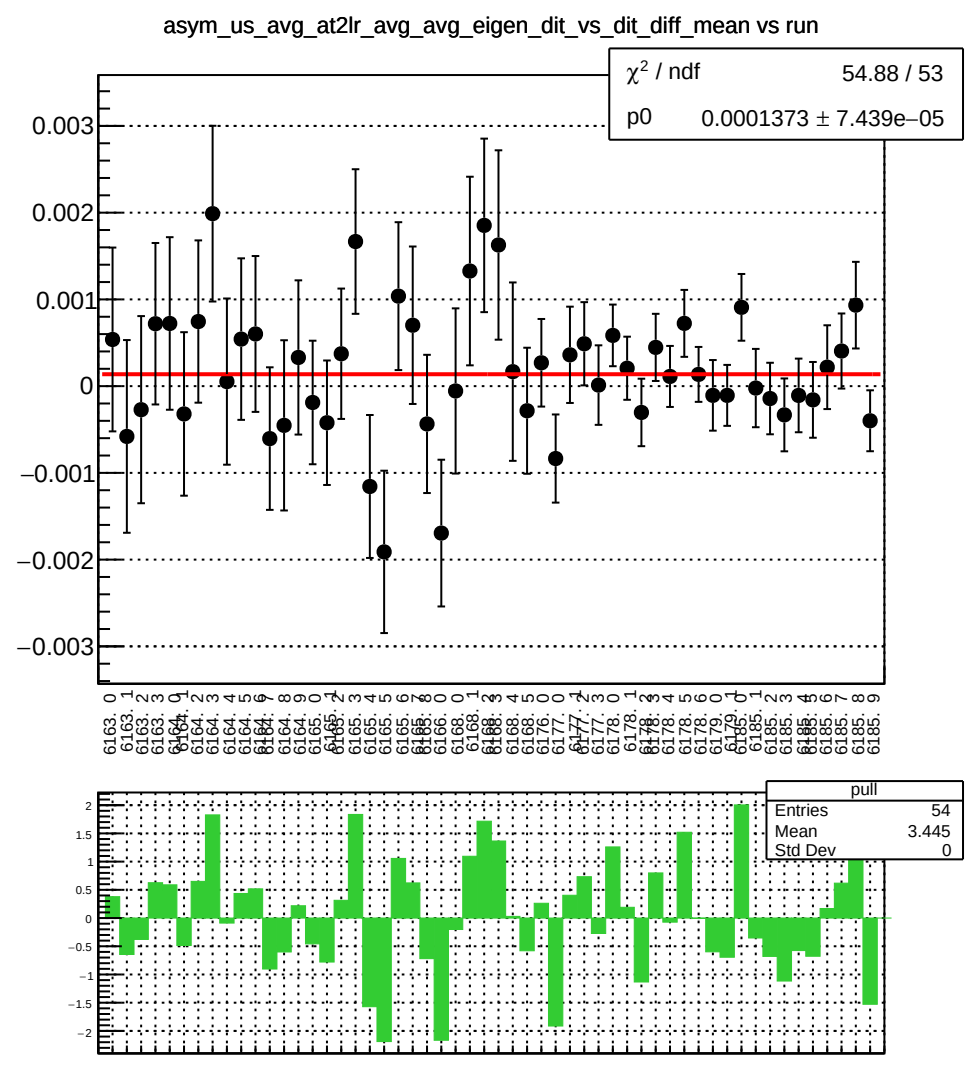

asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 61.18 / 53
p0 −0.5479 ± 0.5179
pull
Entries 54
Mean −4.939
Std Dev 0
pull1D
Entries 54
Mean 0.03763
Std Dev 1.064

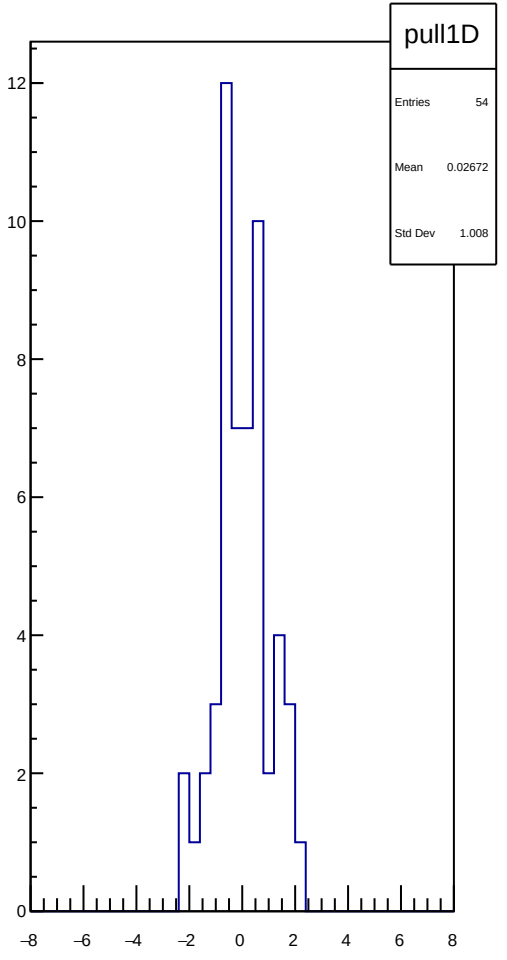

asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 8.928e+04 / 53
p0 355.8 ± 0.3662
1400
1200
1000
800
600
400
200
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

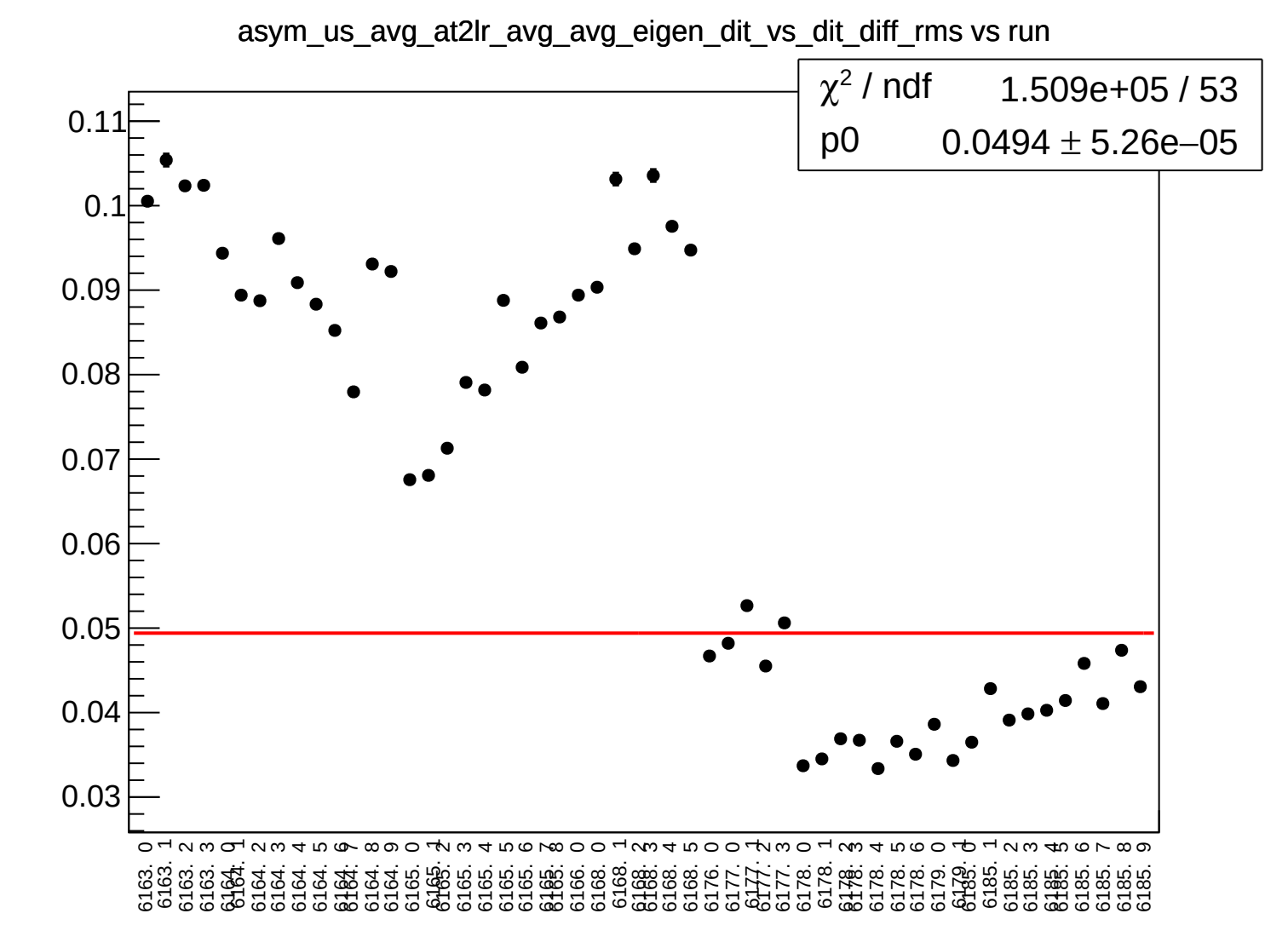

asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 61.18 / 53
p0 −0.5479 ± 0.5179
pull
Entries 54
Mean −4.939
Std Dev 0

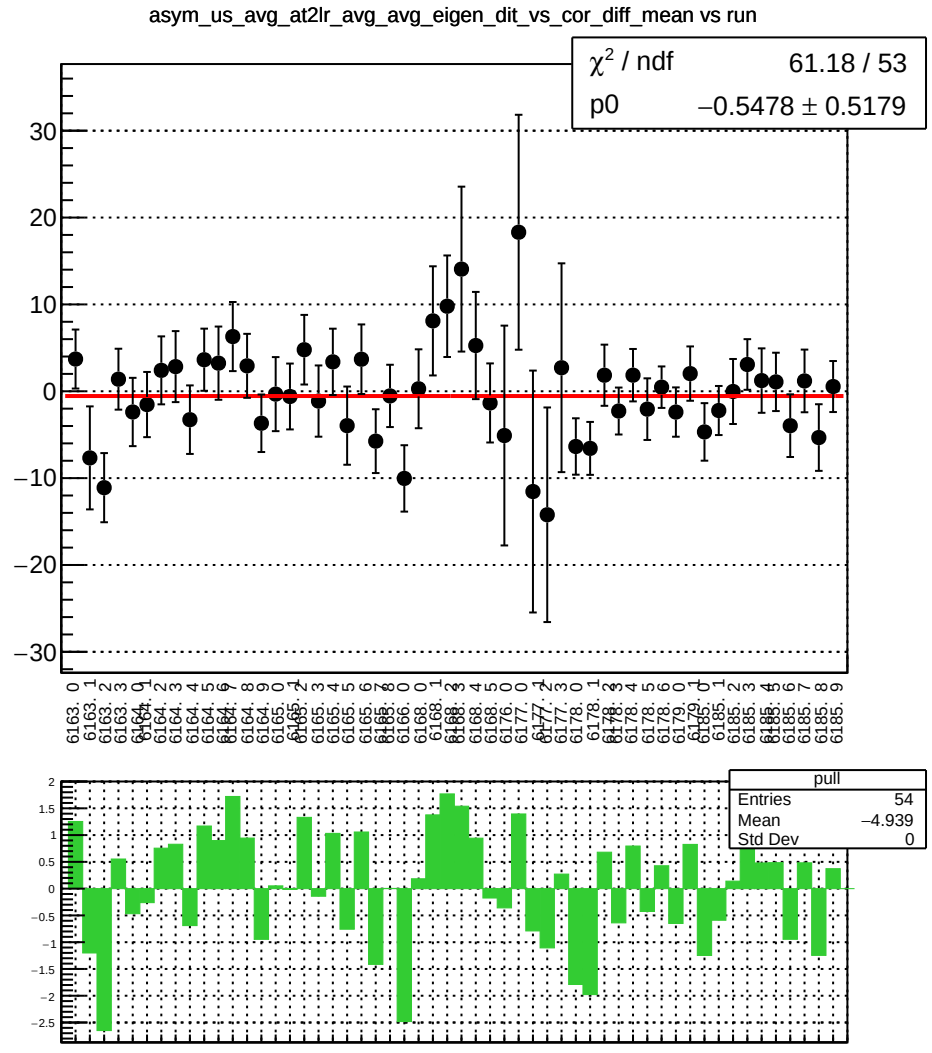

pull1D
Entries 54
Mean 0.03763
Std Dev 1.064

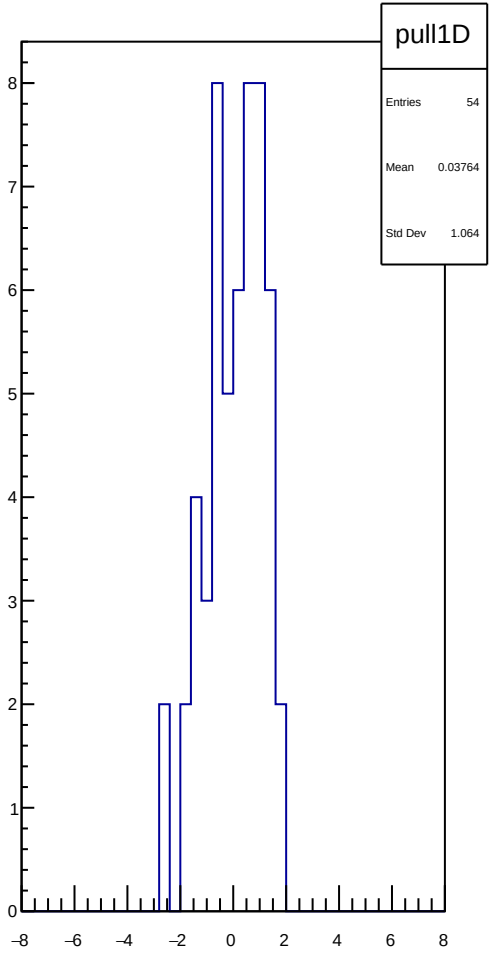

asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.928e+04 / 53
p0 355.8 ± 0.3662
1400
1200
1000
800
600
400
200
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

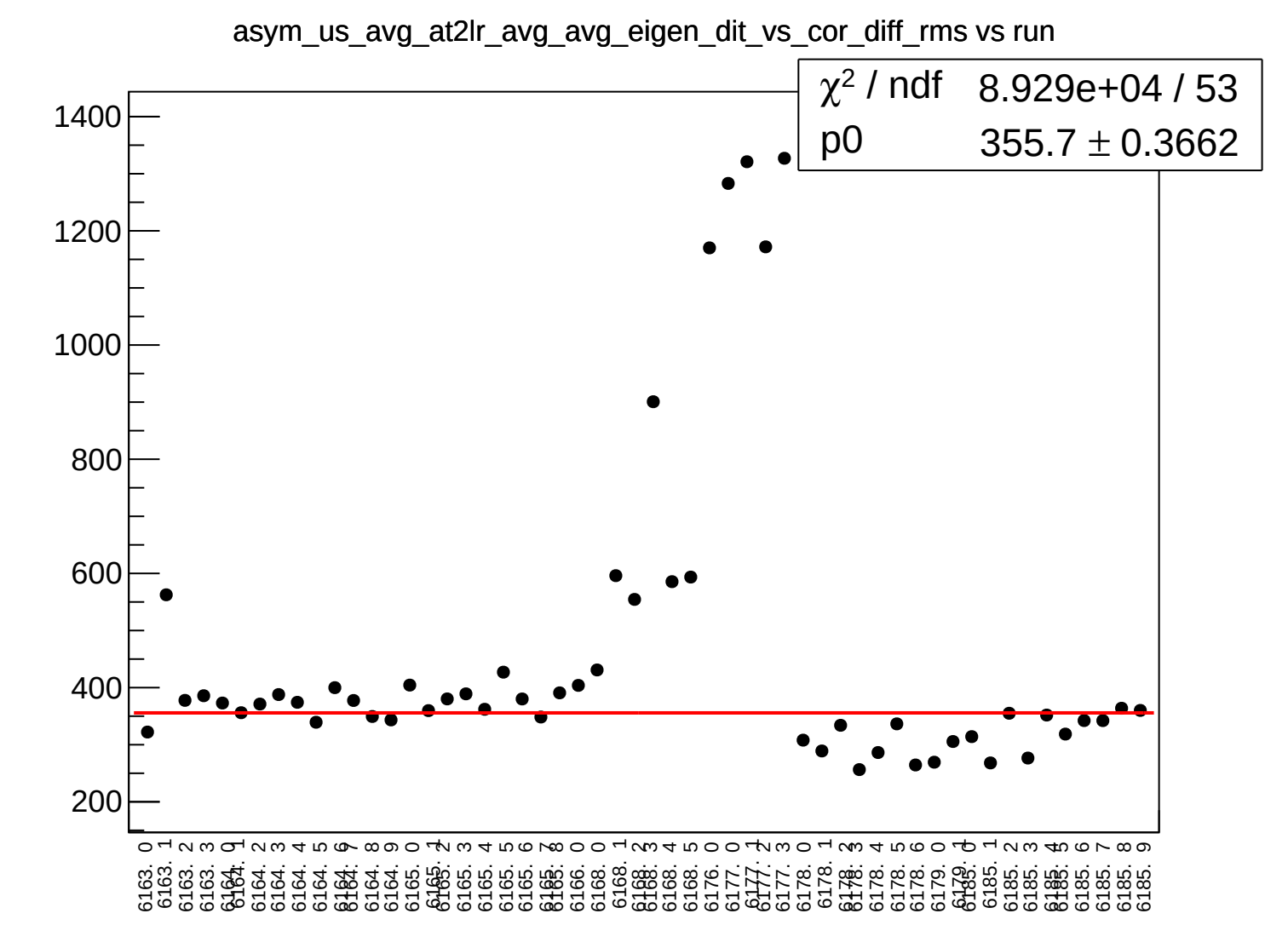

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 54.88 / 53
p0 0.0001373 ± 7.439e−05
0.003
0.002
0.001
0
−0.001
−0.002
−0.003
pull
Entries 54
Mean 3.445
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

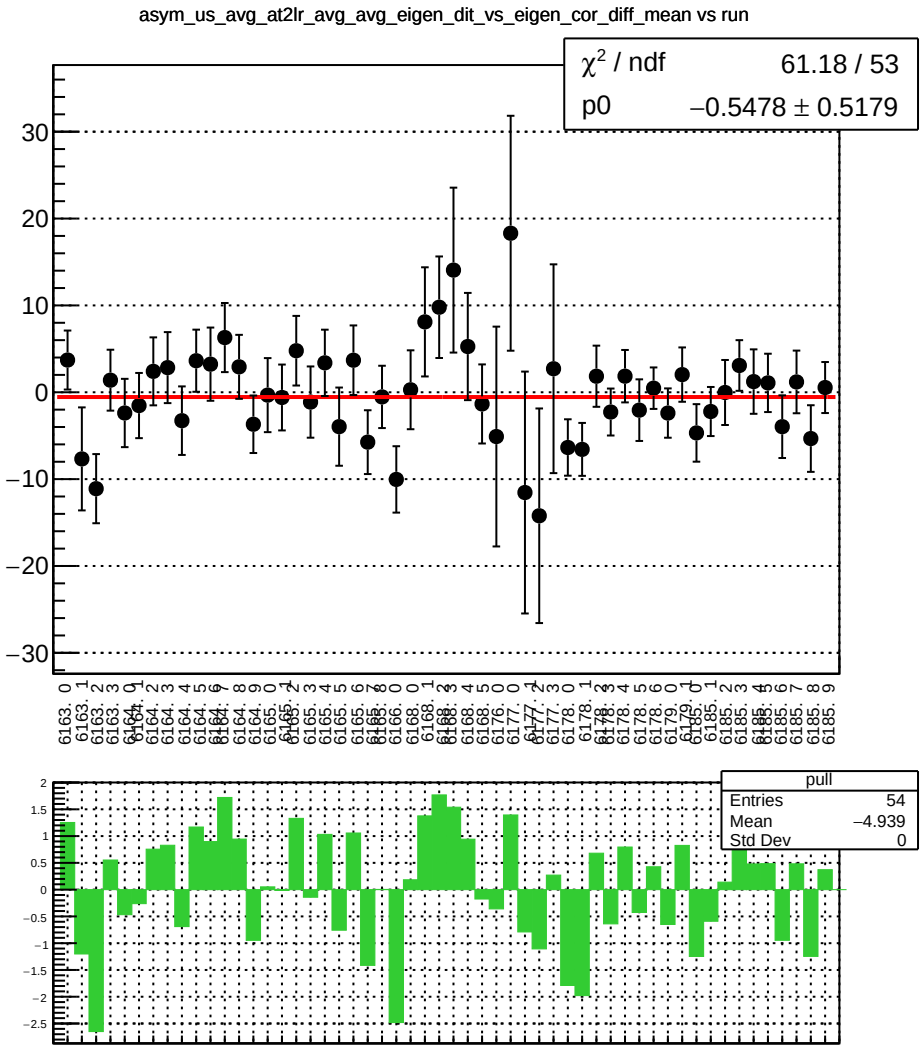

pull1D
Entries 54
Mean 0.02672
Std Dev 1.008
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

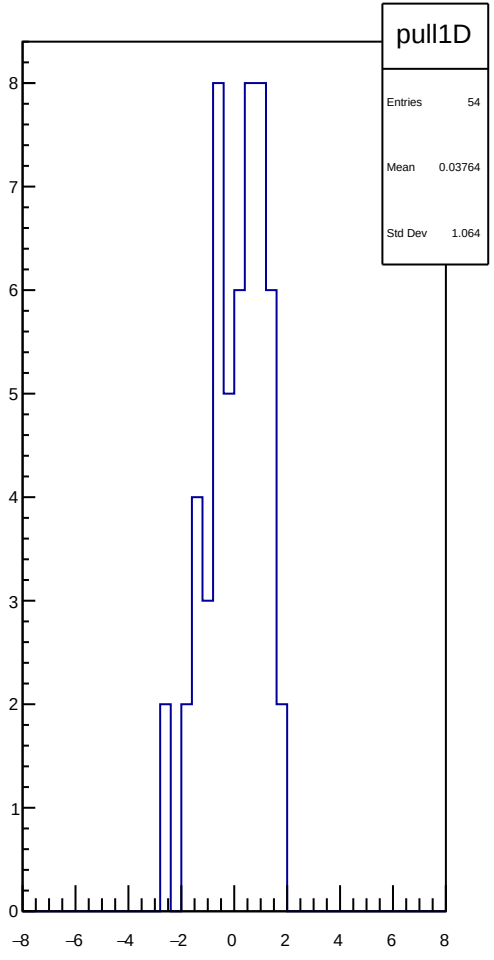

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.509e+05 / 53
p0 0.0494 ± 5.26e−05
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03

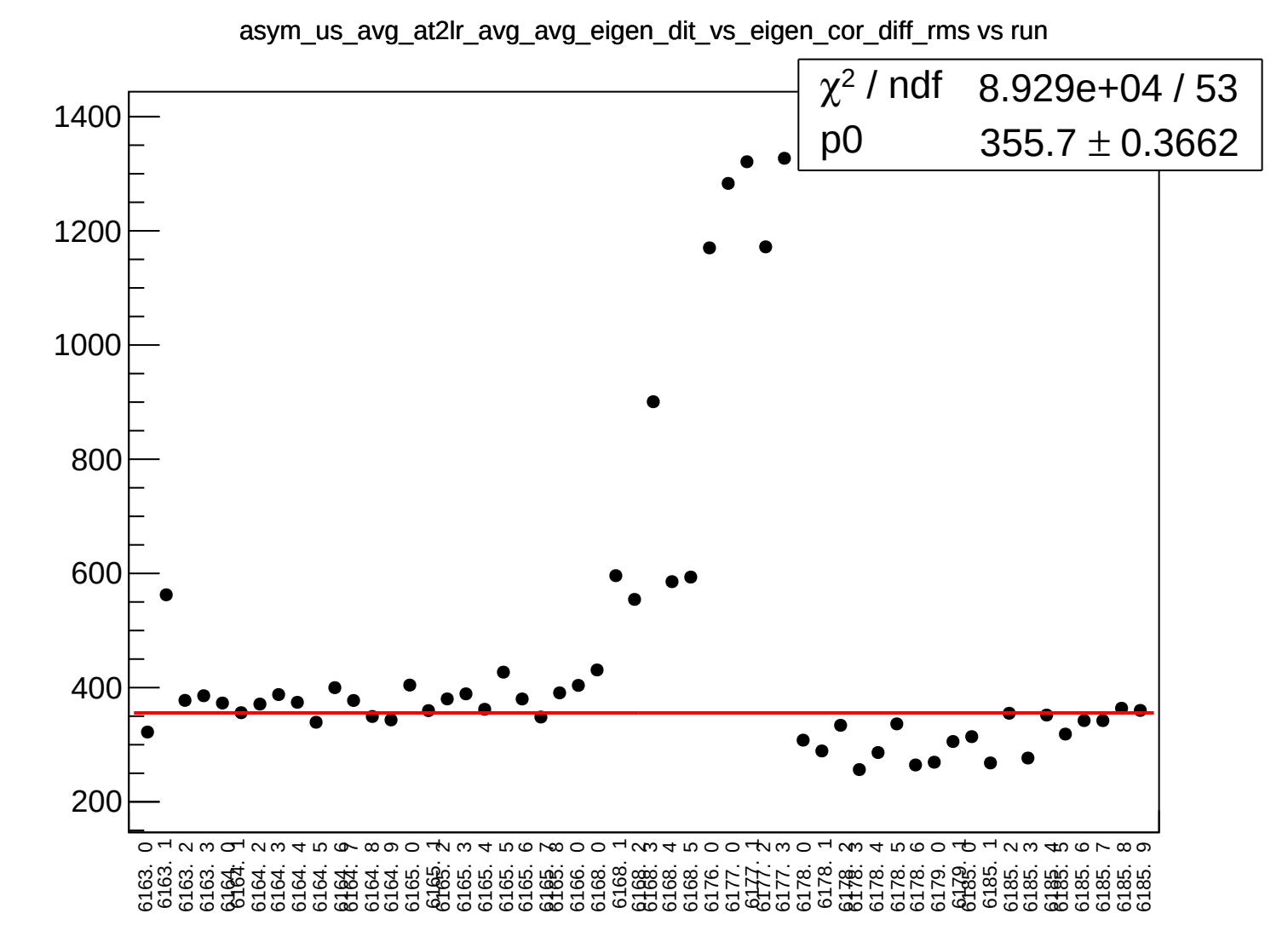

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 61.18 / 53
p0 −0.5478 ± 0.5179
pull
Entries 54
Mean −4.939
Std Dev 0

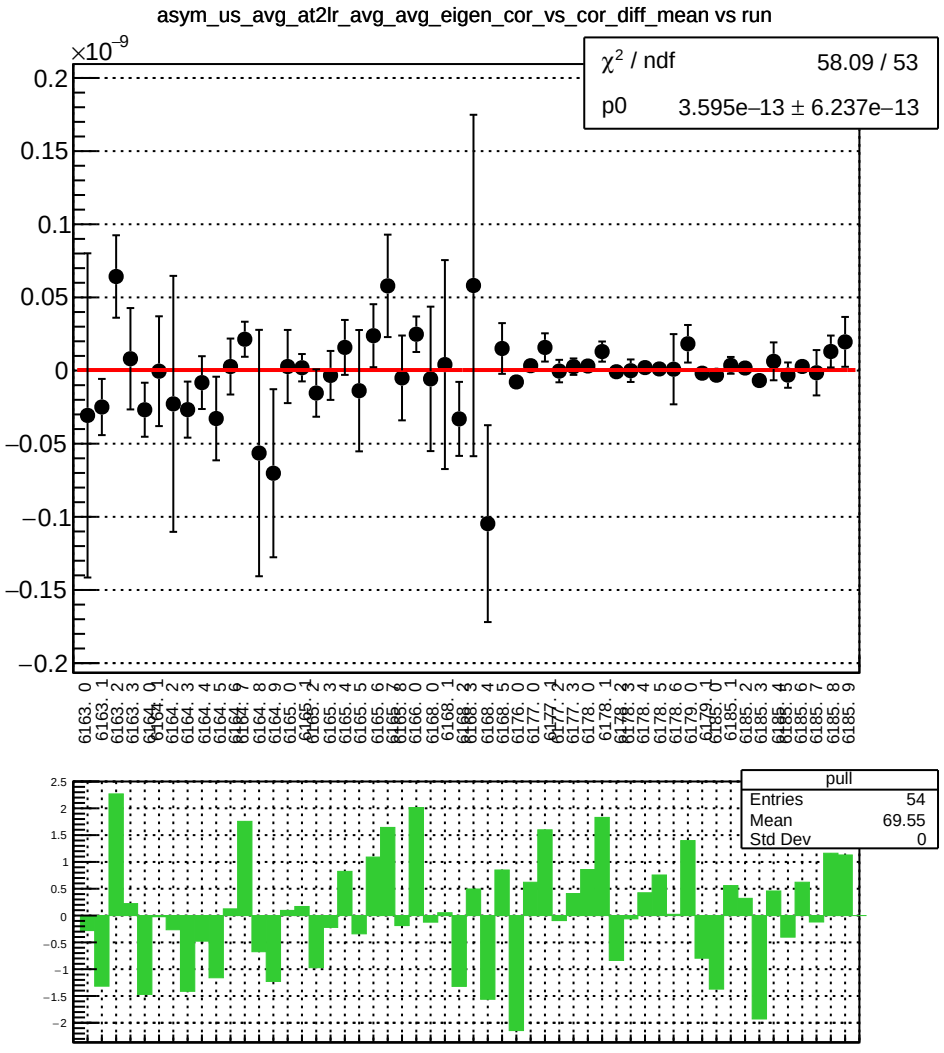

pull1D
Entries 54
Mean 0.03764
Std Dev 1.064

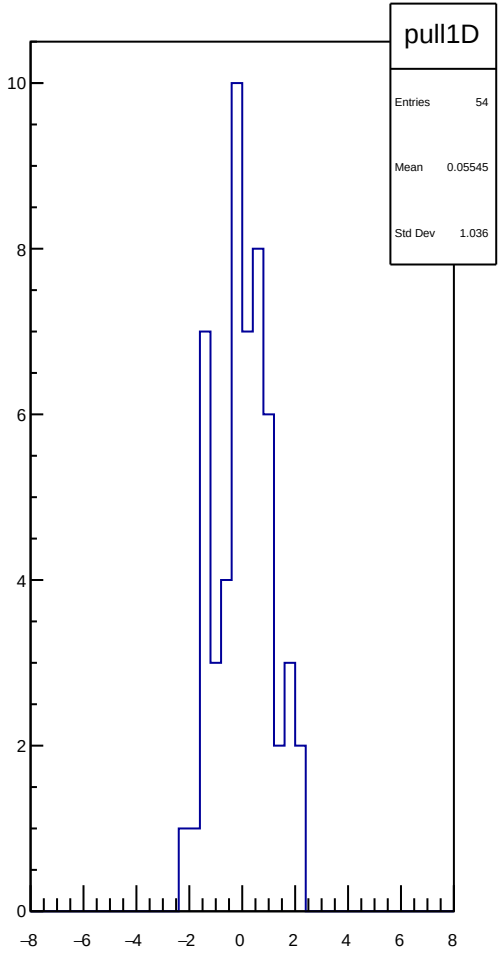

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 8.929e+04 / 53
p0 355.7 ± 0.3662
1400
1200
1000
800
600
400
200
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

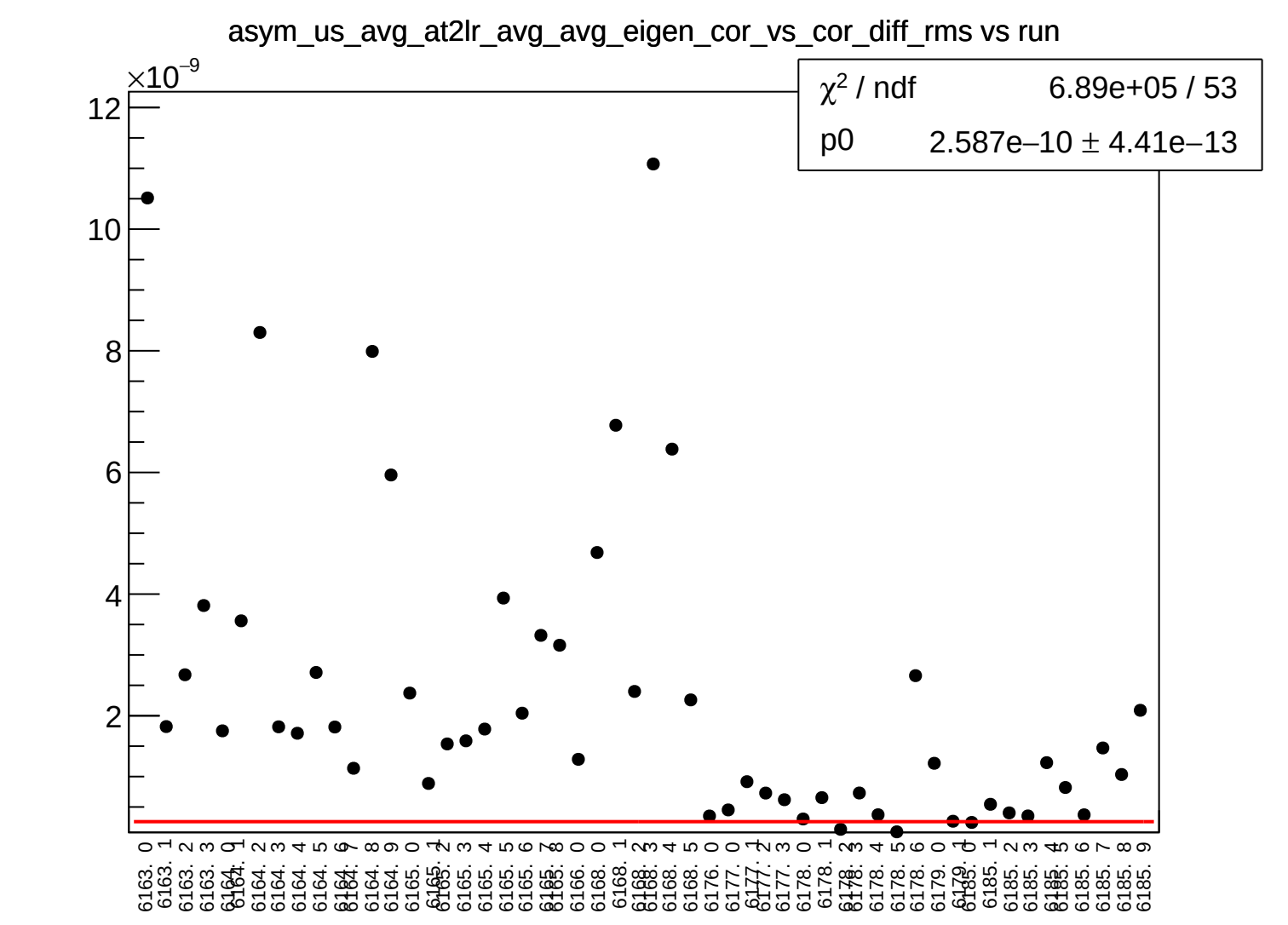

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 61.18 / 53
p0 −0.5478 ± 0.5179
pull
Entries 54
Mean −4.939
Std Dev 0

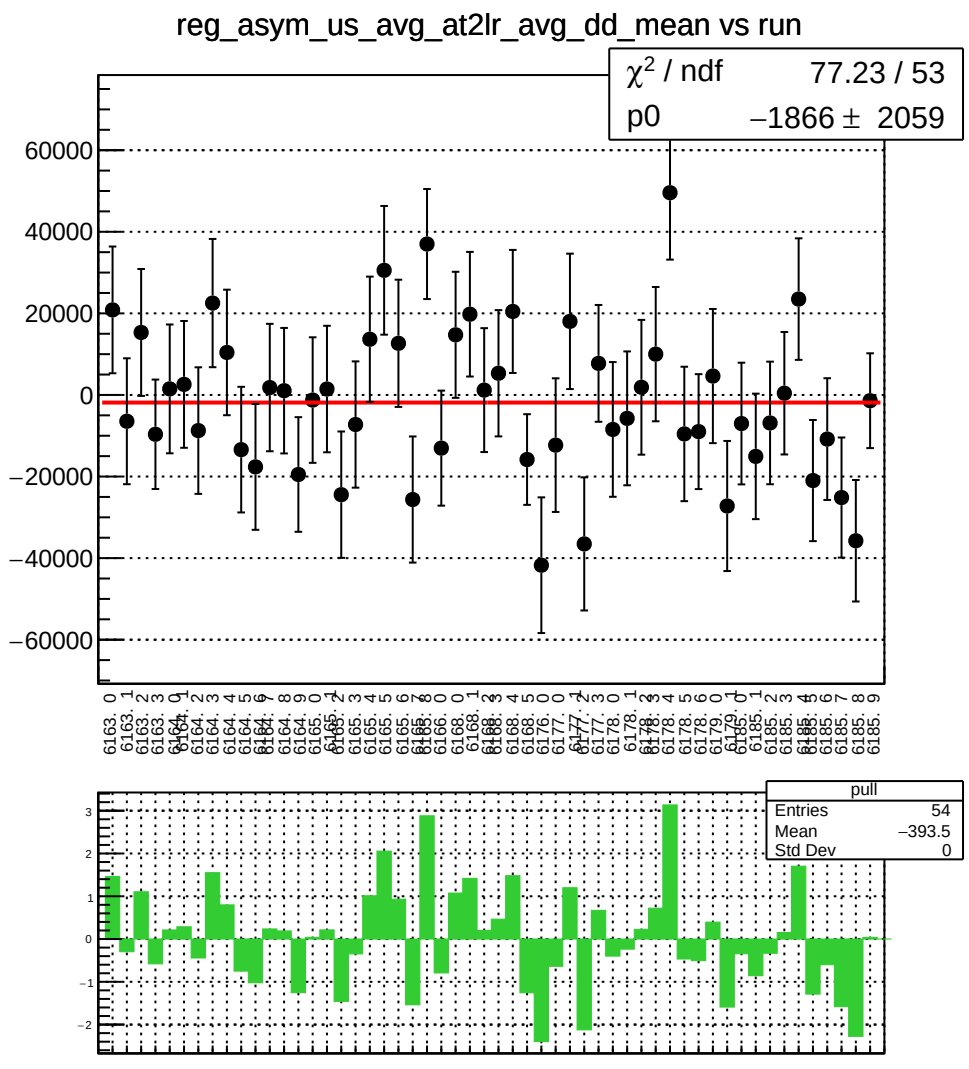

pull1D
Entries 54
Mean 0.03764
Std Dev 1.064

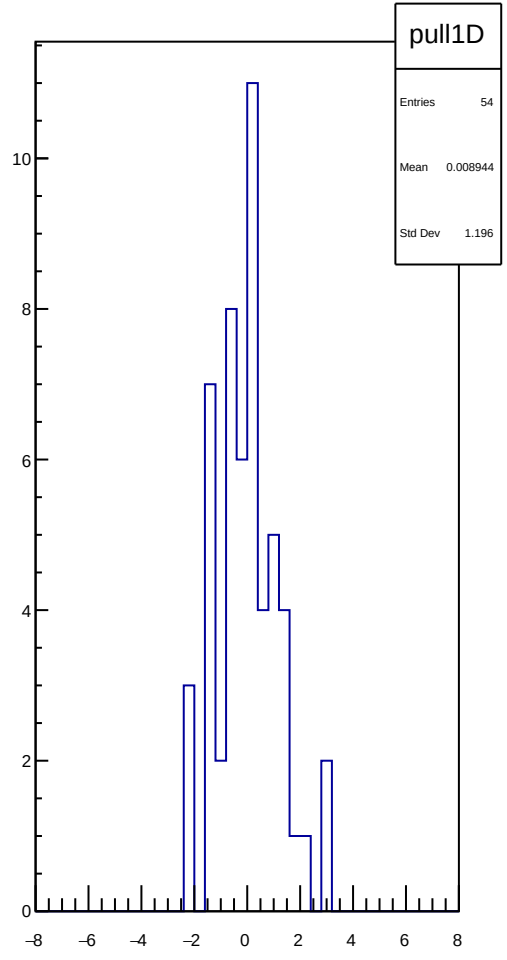

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.929e+04 / 53
p0 355.7 ± 0.3662
1400
1200
1000
800
600
400
200
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

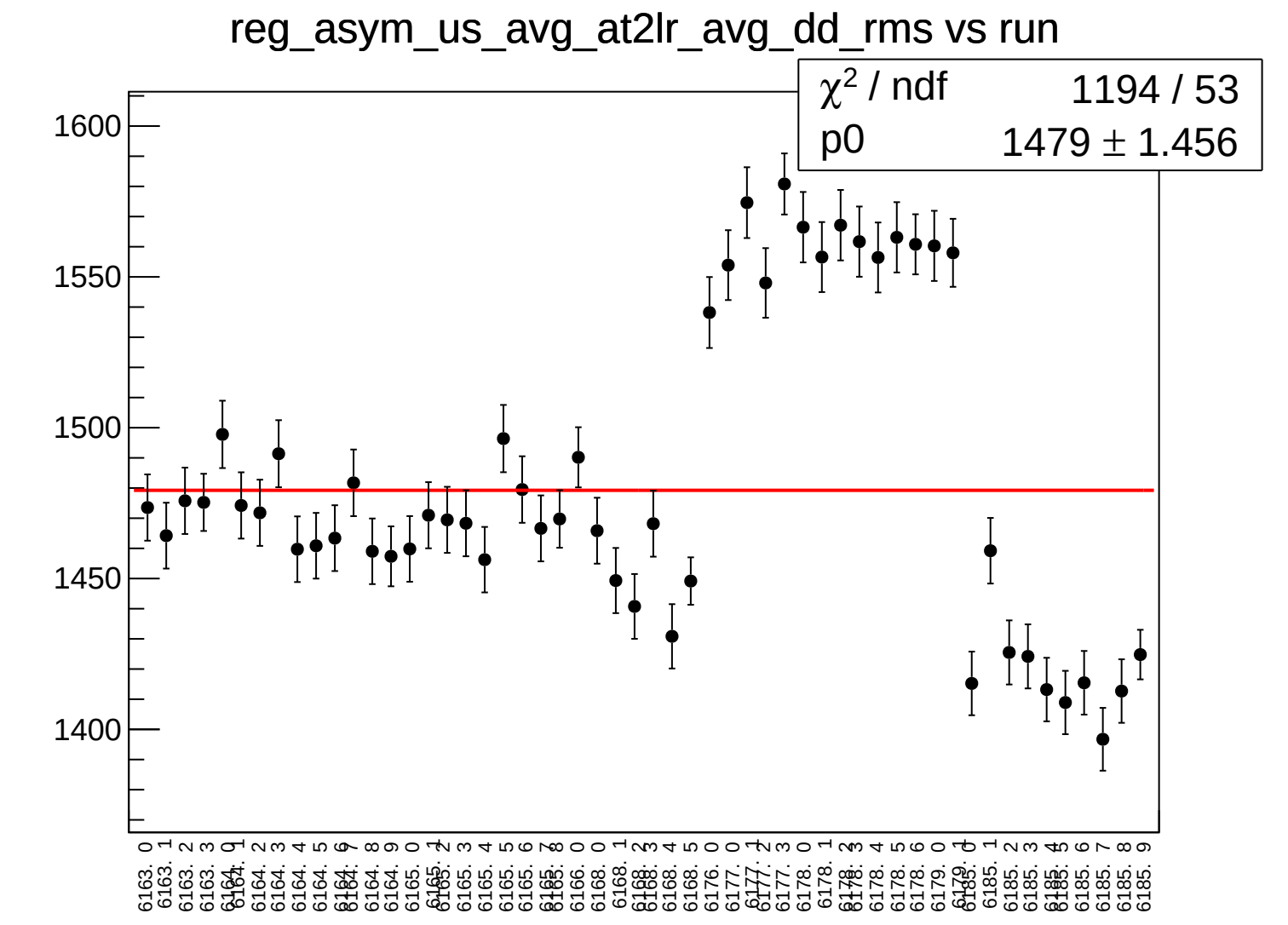

asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻⁹
χ² / ndf 58.09 / 53
p0 3.595e−13 ± 6.237e−13
pull
Entries 54
Mean 69.55
Std Dev 0

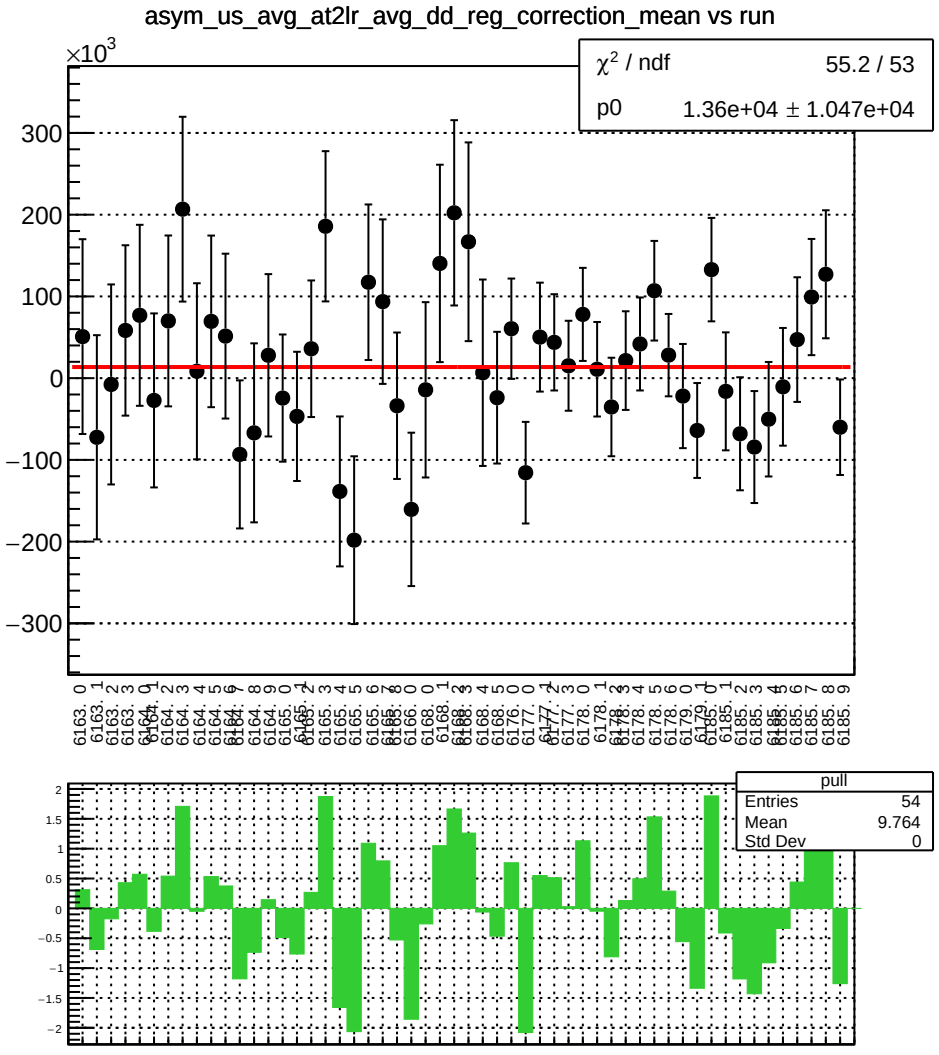

pull1D
Entries 54
Mean 0.05545
Std Dev 1.036

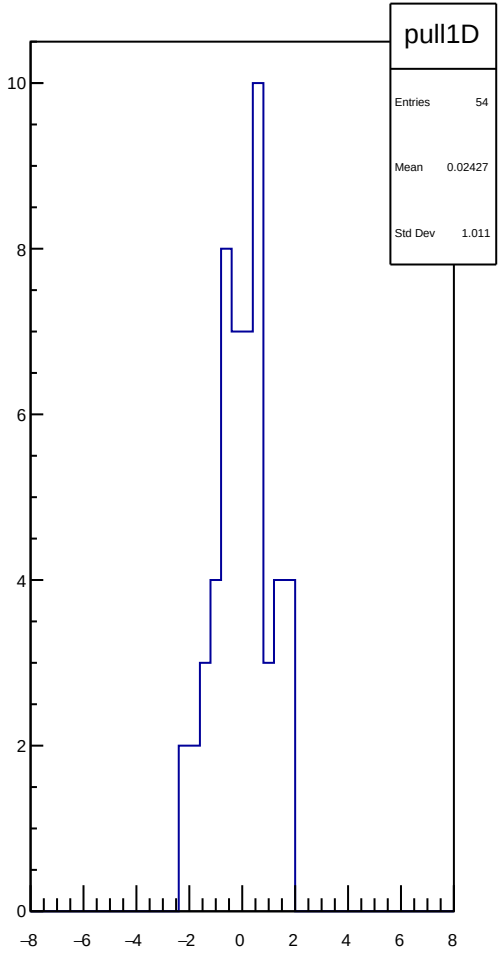

asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.89e+05 / 53
p0 2.587e−10 ± 4.41e−13
12
10
8
6
4
2
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

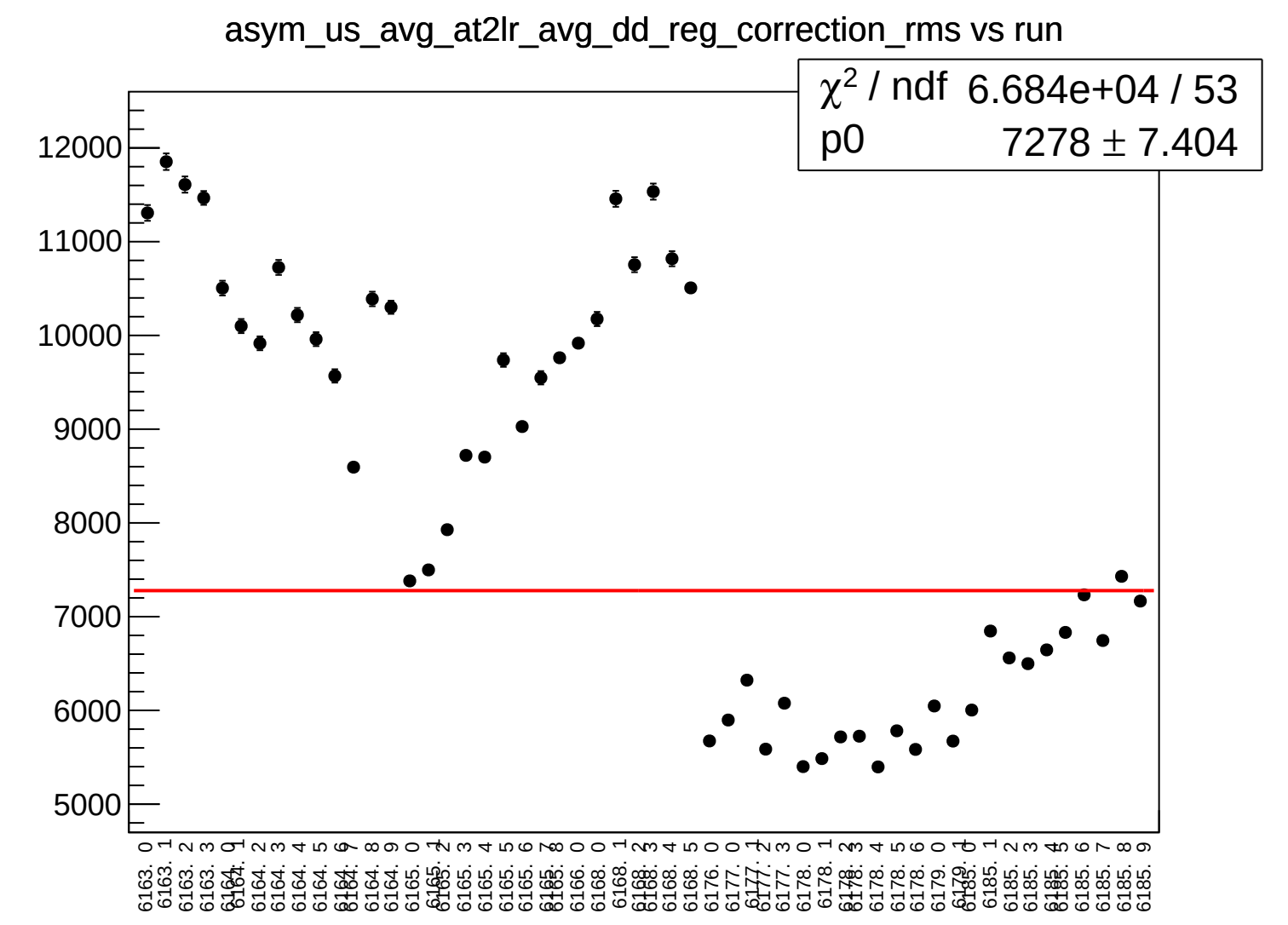

reg_asym_us_avg_at2lr_avg_dd_mean vs run
χ² / ndf 77.23 / 53
p0 −1866 ± 2059
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean −393.5
Std Dev 0
3
2
1
0
−1
−2

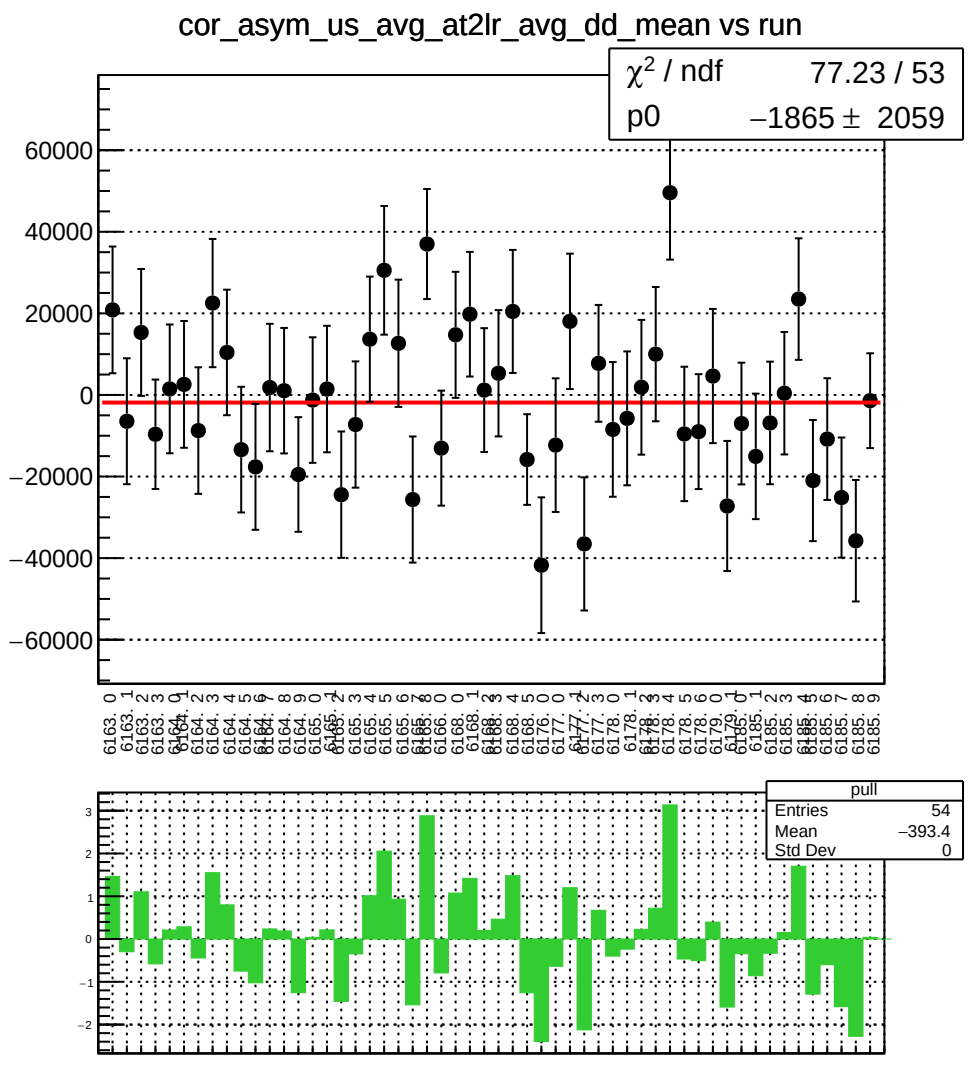

pull1D
Entries 54
Mean 0.008944
Std Dev 1.196
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

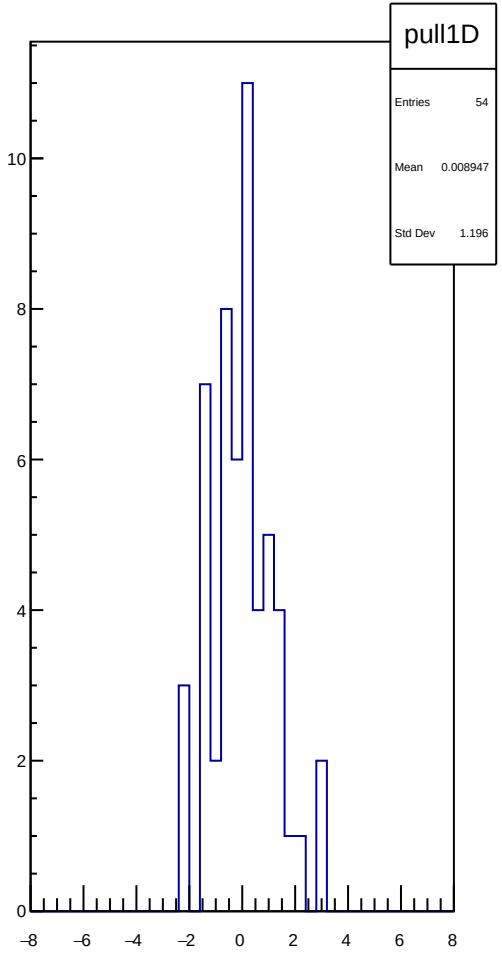

reg_asym_us_avg_at2lr_avg_dd_rms vs run
χ² / ndf 1194 / 53
p0 1479 ± 1.456
1600
1550
1500
1450
1400
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

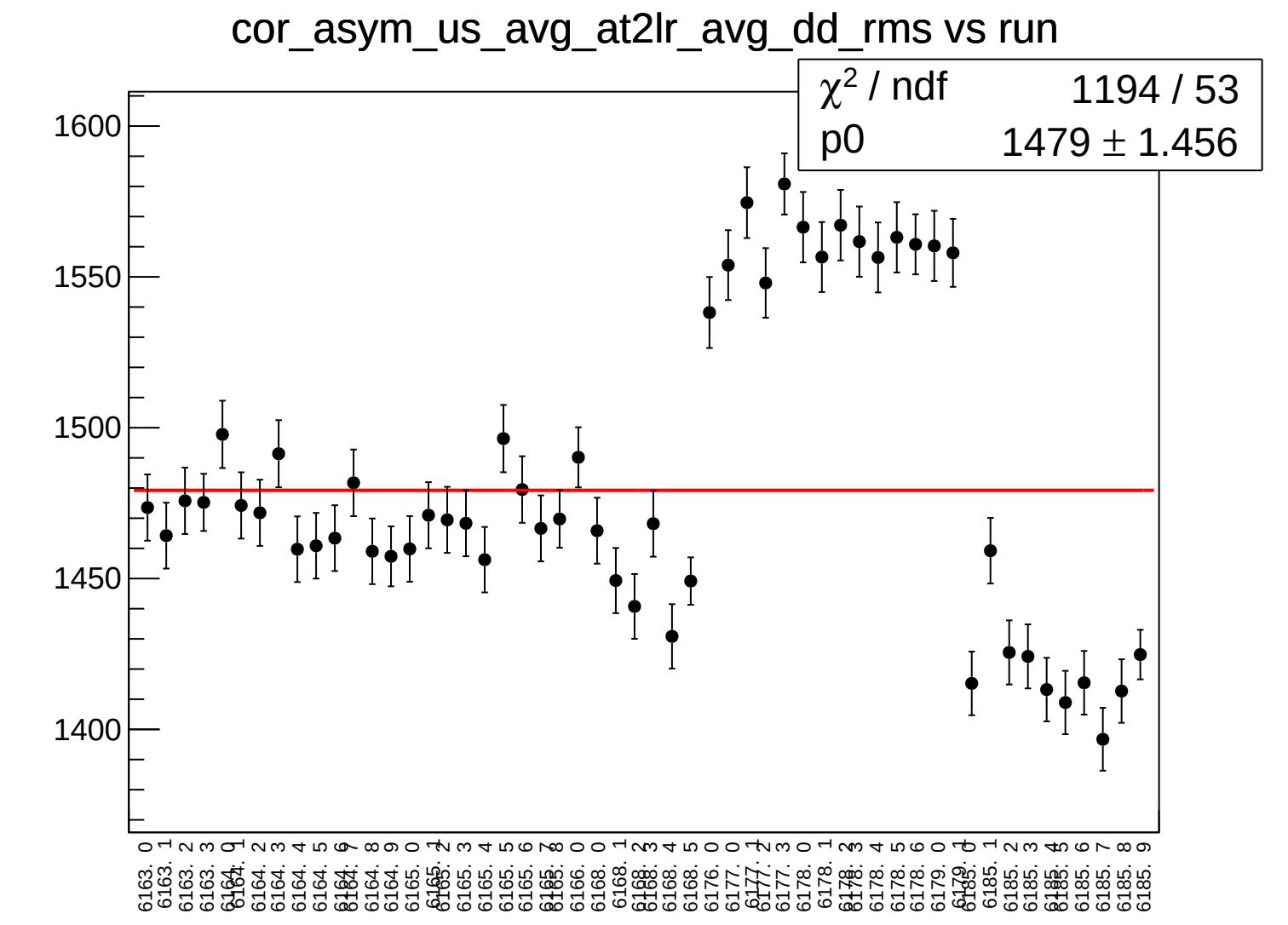

asym_us_avg_at2lr_avg_dd_reg_correction_mean vs run
×10^3
χ² / ndf 55.2 / 53
p0 1.36e+04 ± 1.047e+04
pull
Entries 54
Mean 9.764
Std Dev 0

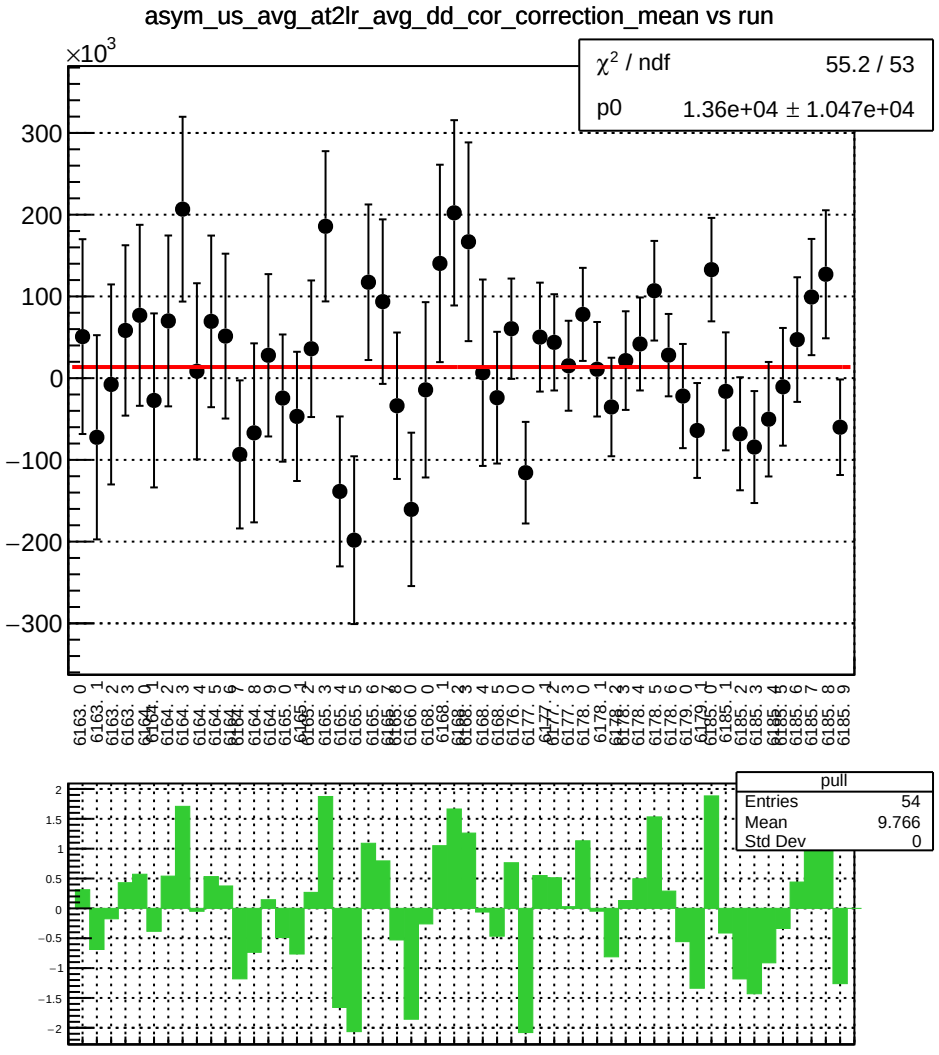

pull1D
Entries 54
Mean 0.02427
Std Dev 1.011

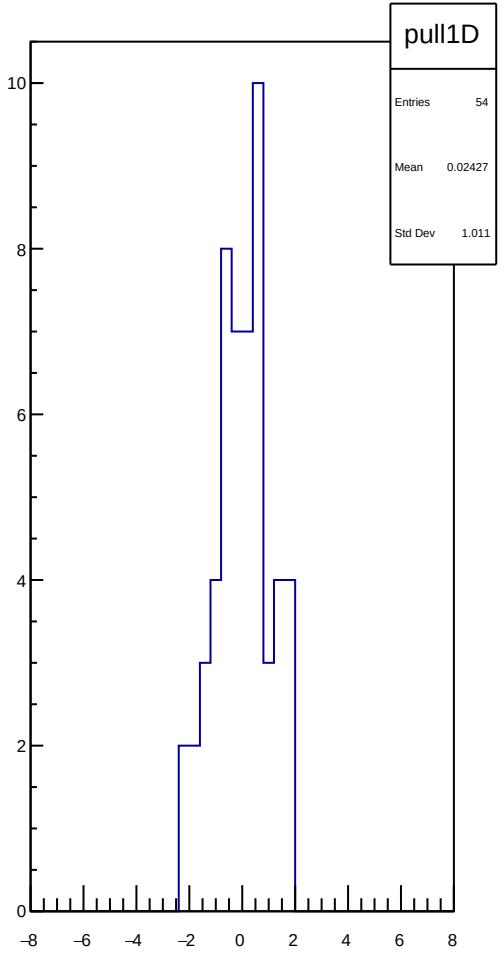

asym_us_avg_at2lr_avg_dd_reg_correction_rms vs run
χ² / ndf 6.684e+04 / 53
p0 7278 ± 7.404
12000
11000
10000
9000
8000
7000
6000
5000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

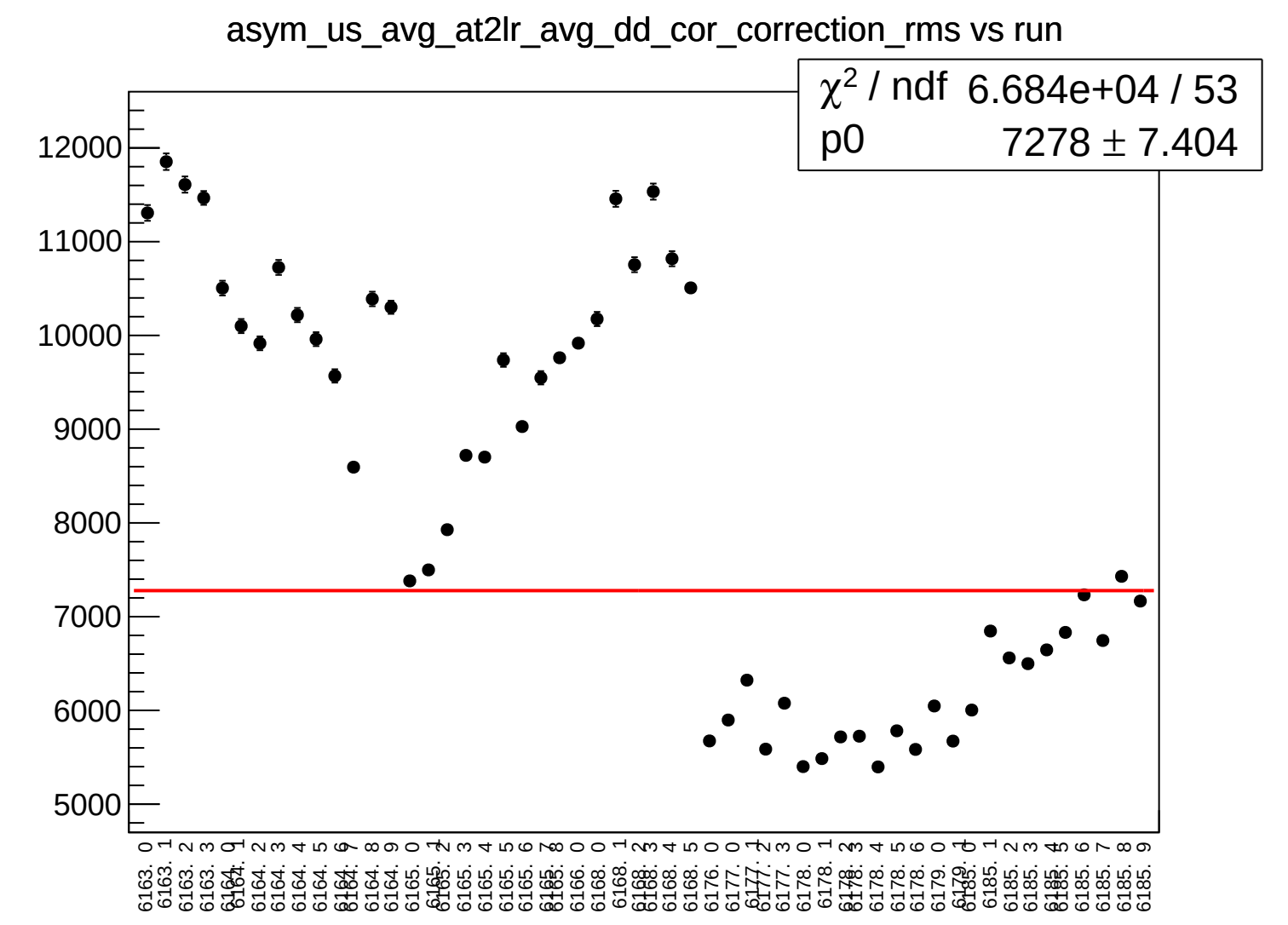

cor_asym_us_avg_at2lr_avg_dd_mean vs run
χ² / ndf 77.23 / 53
p0 −1865 ± 2059
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean −393.4
Std Dev 0
3
2
1
0
−1
−2

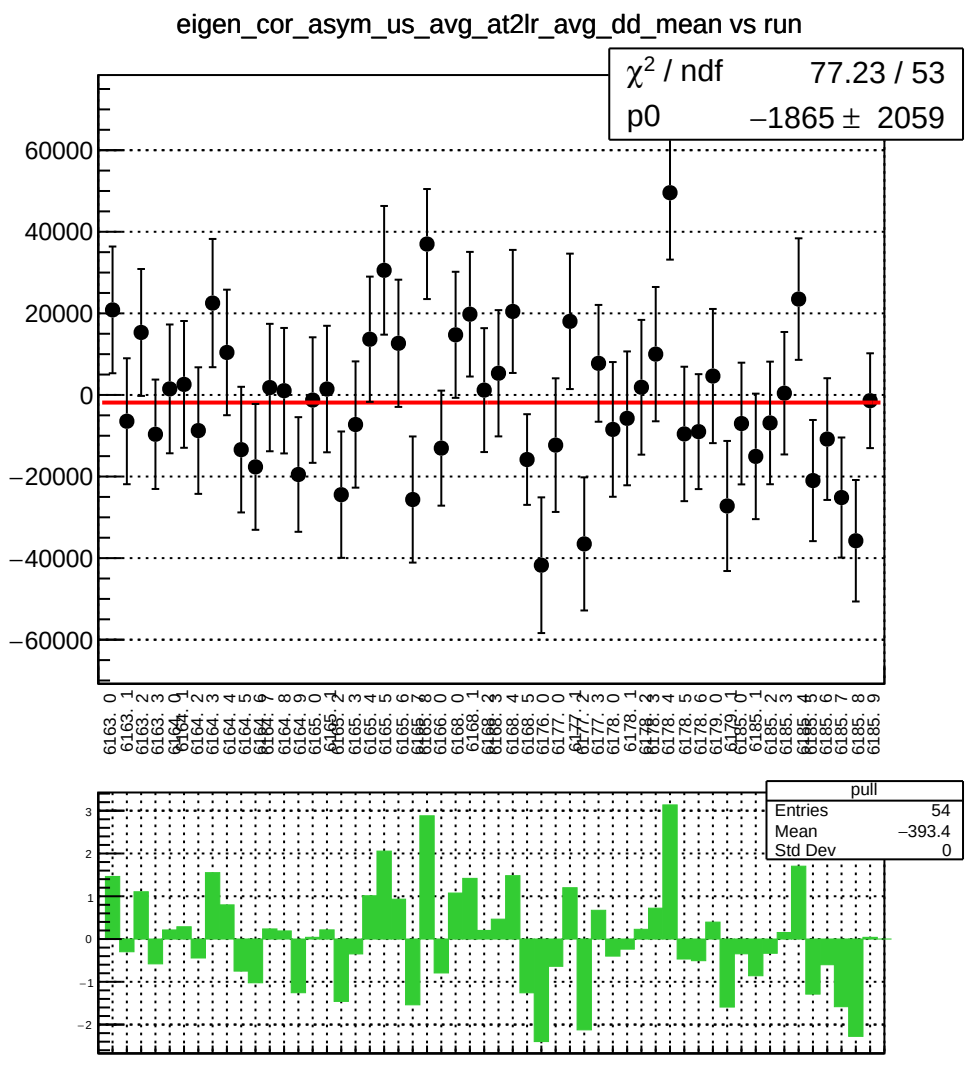

pull1D
Entries 54
Mean 0.008947
Std Dev 1.196
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

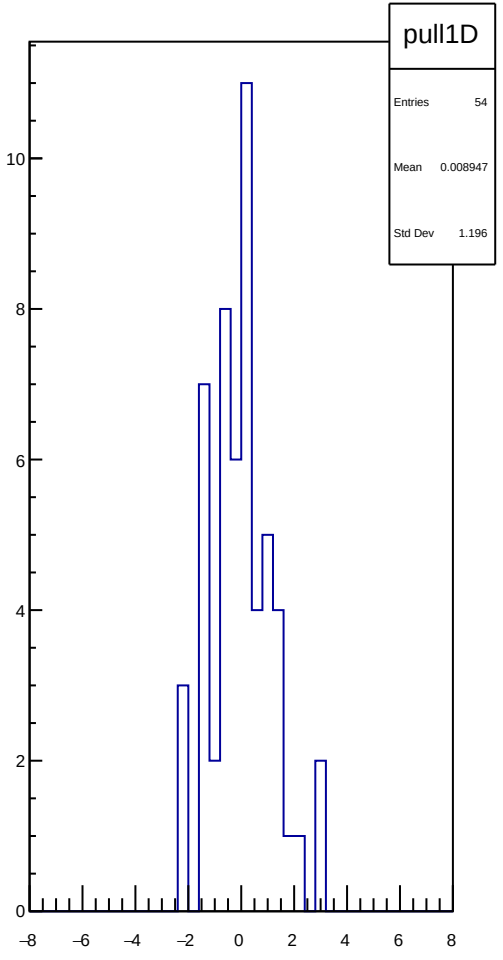

cor_asym_us_avg_at2lr_avg_dd_rms vs run
χ^2 / ndf 1194 / 53
p0 1479 ± 1.456
1600
1550
1500
1450
1400
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

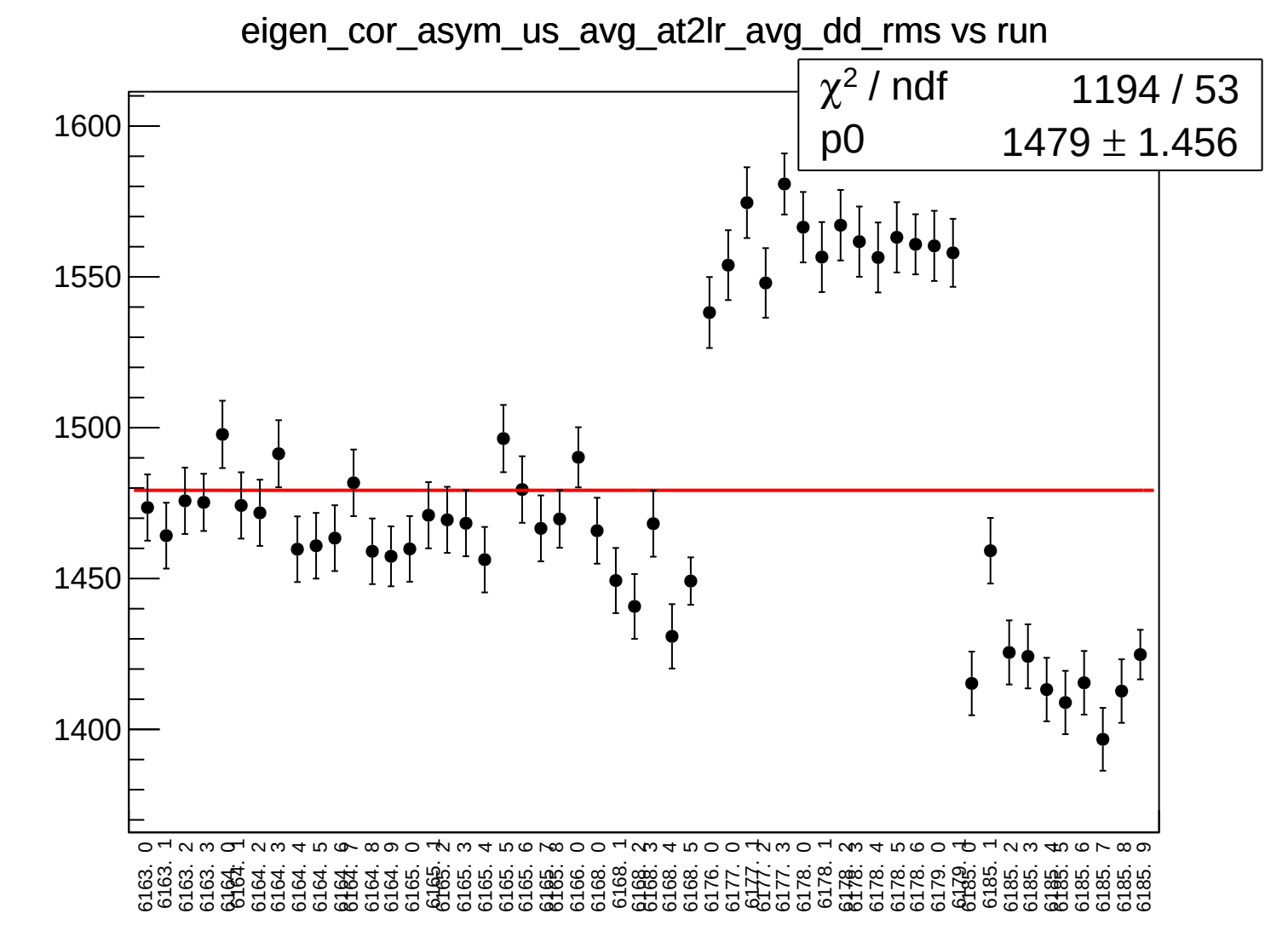

asym_us_avg_at2lr_avg_dd_cor_correction_mean vs run
χ² / ndf 55.2 / 53
p0 1.36e+04 ± 1.047e+04
pull
Entries 54
Mean 9.766
Std Dev 0

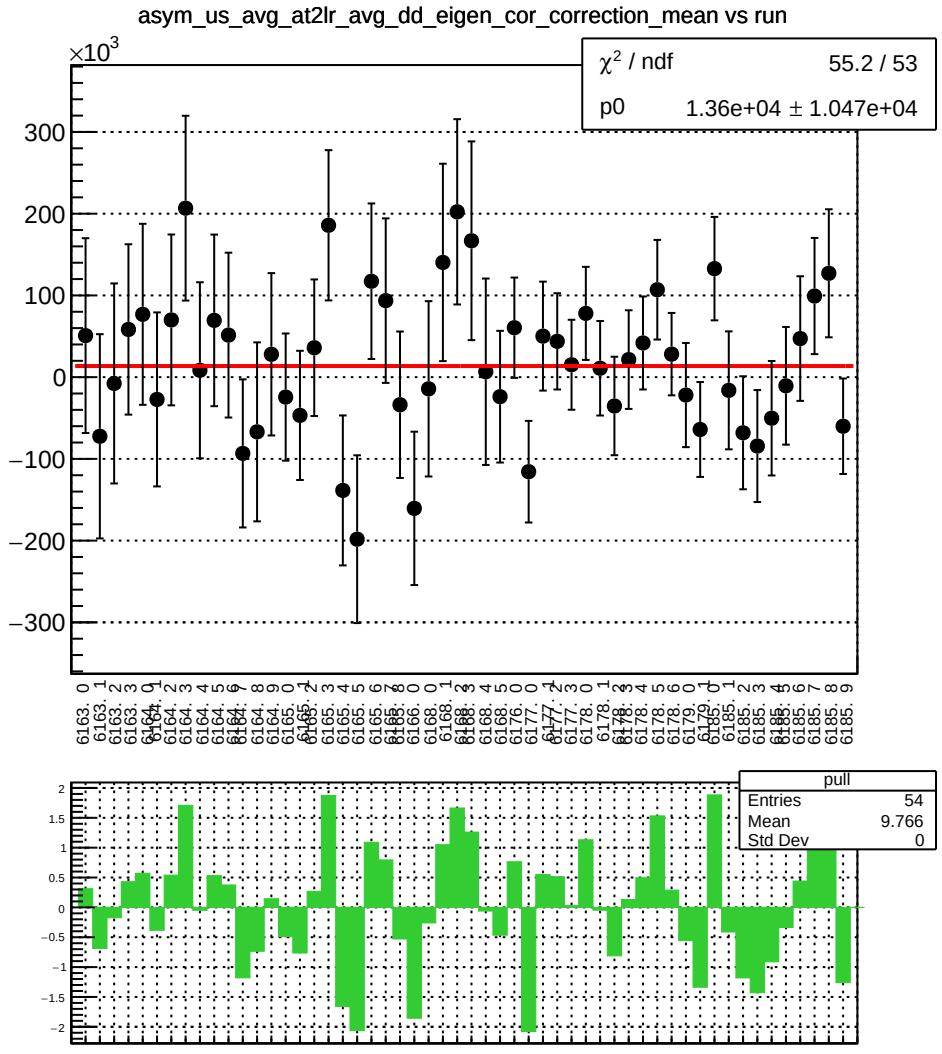

pull1D
Entries 54
Mean 0.02427
Std Dev 1.011

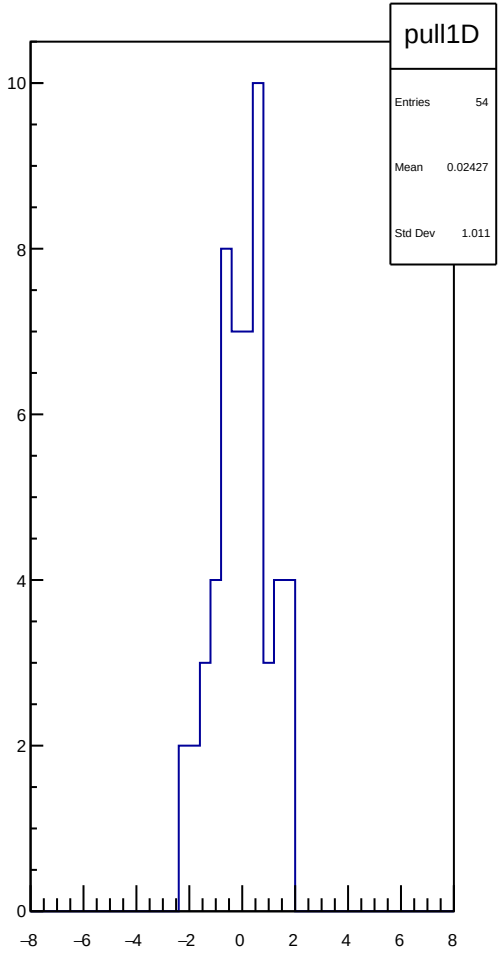

asym_us_avg_at2lr_avg_dd_cor_correction_rms vs run
χ² / ndf 6.684e+04 / 53
p0 7278 ± 7.404
12000
11000
10000
9000
8000
7000
6000
5000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

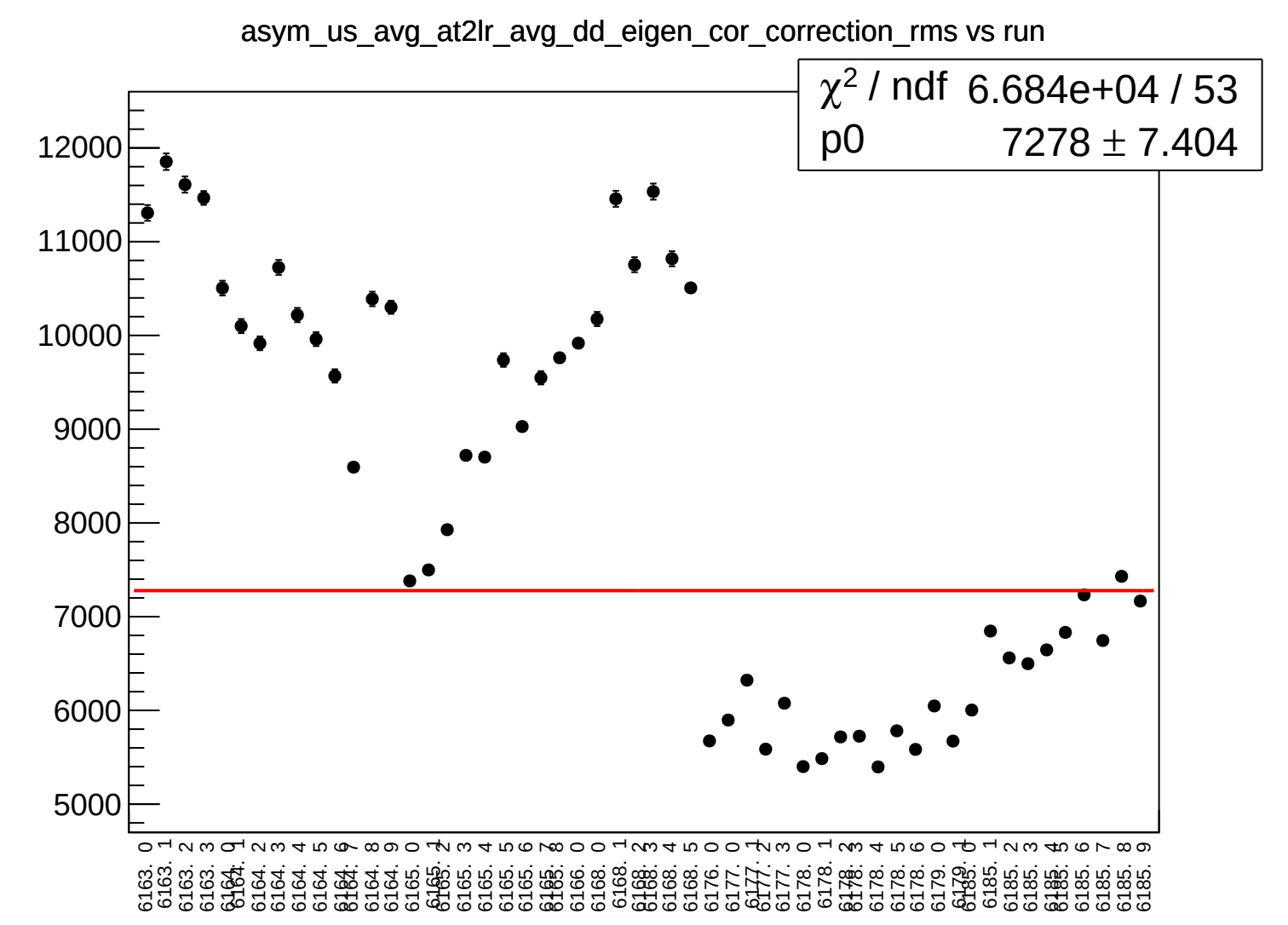

eigen_cor_asym_us_avg_at2lr_avg_dd_mean vs run
χ² / ndf 77.23 / 53
p0 −1865 ± 2059
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean −393.4
Std Dev 0
3
2
1
0
−1
−2

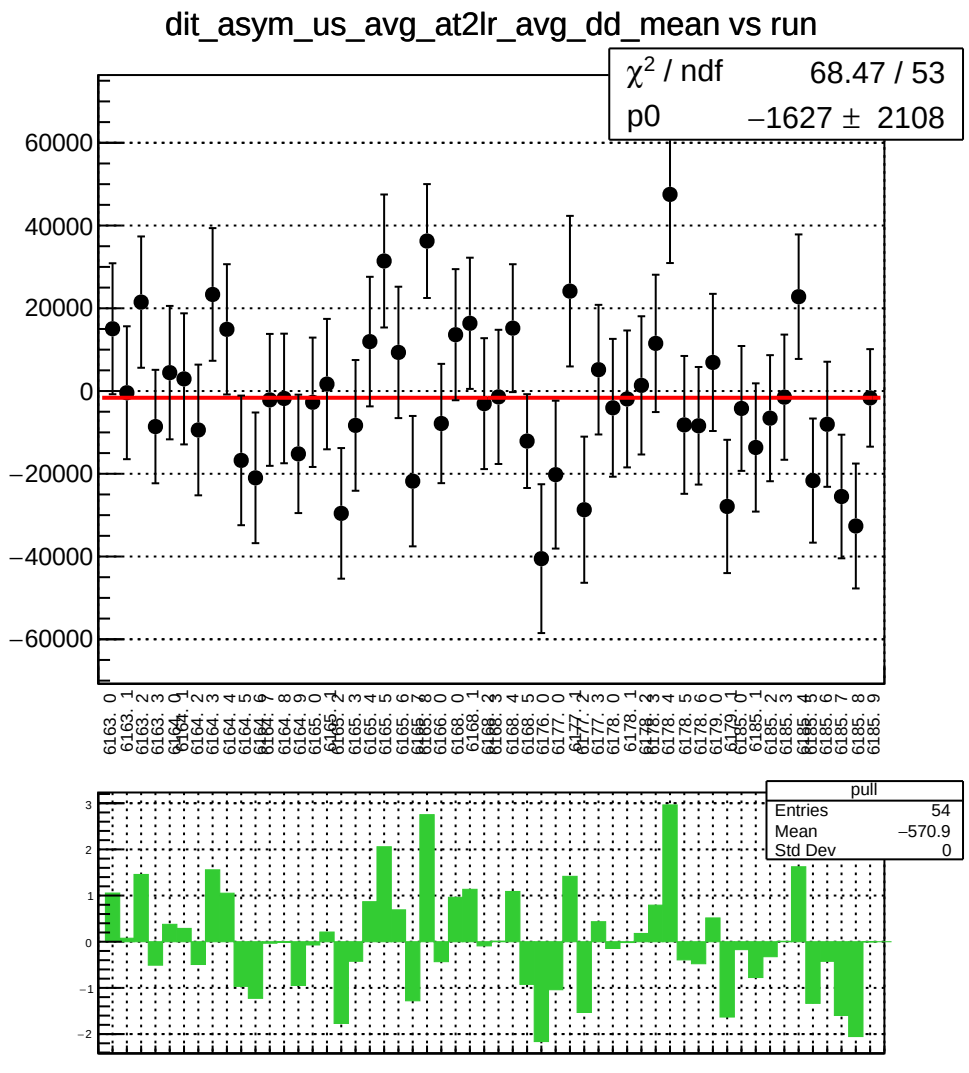

pull1D
Entries 54
Mean 0.008947
Std Dev 1.196
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

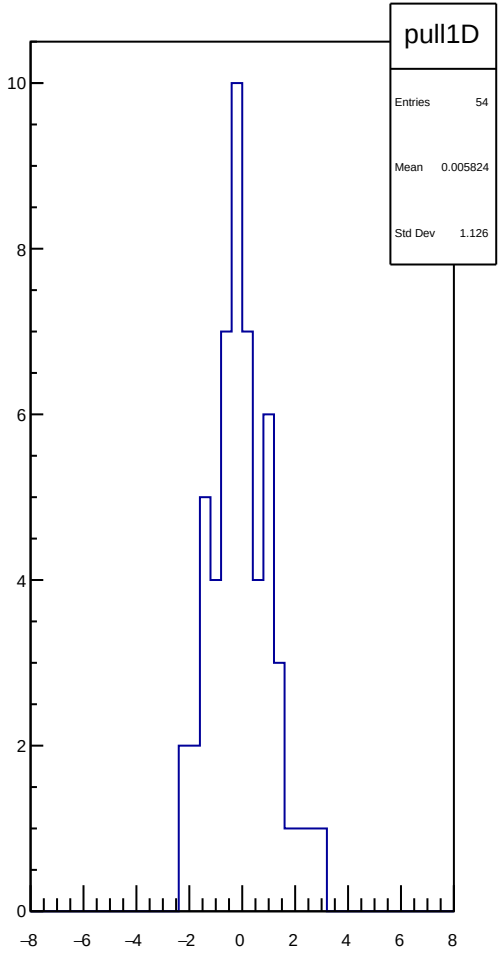

eigen_cor_asym_us_avg_at2lr_avg_dd_rms vs run
χ² / ndf 1194 / 53
p0 1479 ± 1.456
1600
1550
1500
1450
1400
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

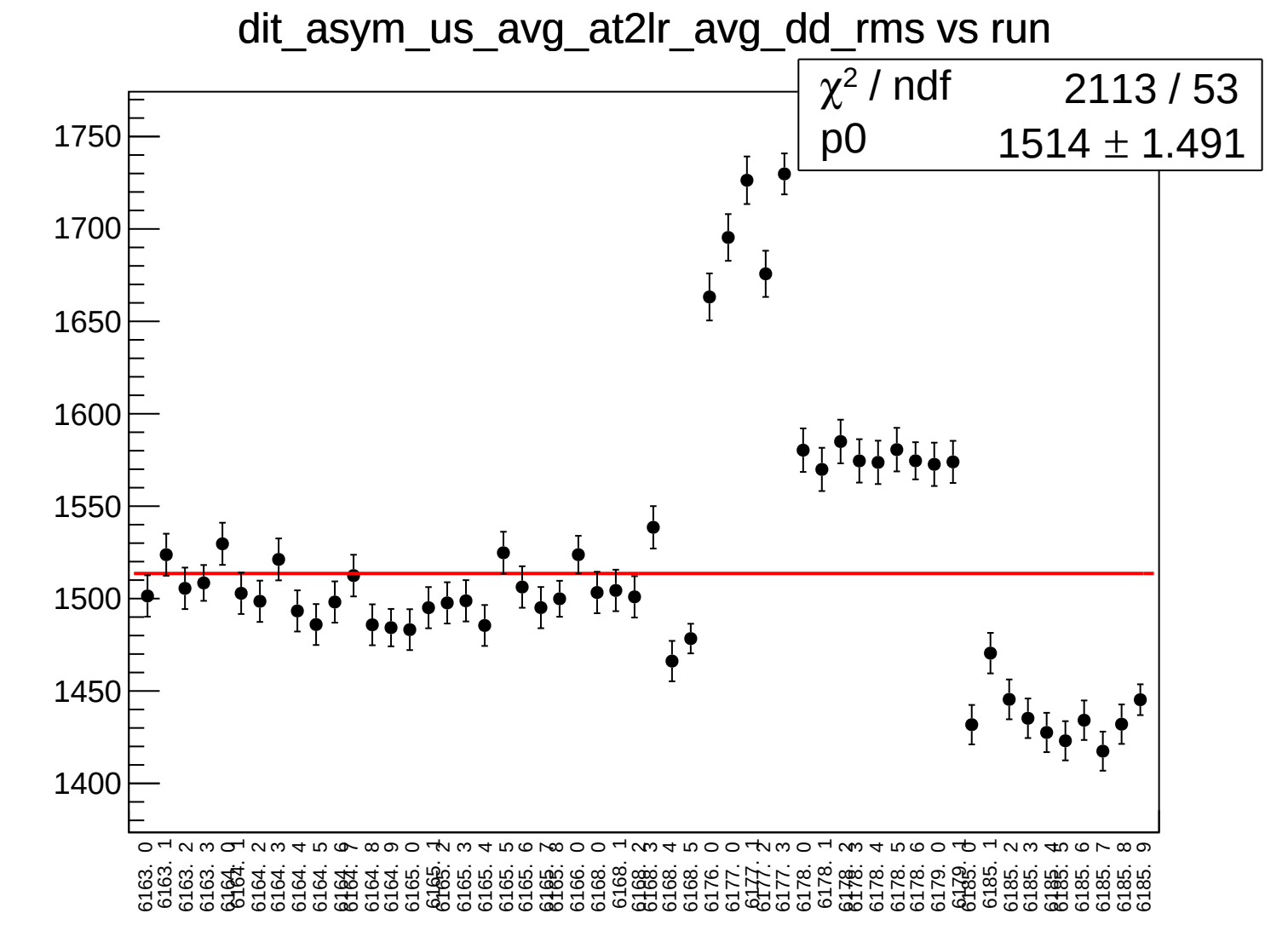

asym_us_avg_at2lr_avg_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 55.2 / 53
p0 1.36e+04 ± 1.047e+04
pull
Entries 54
Mean 9.766
Std Dev 0

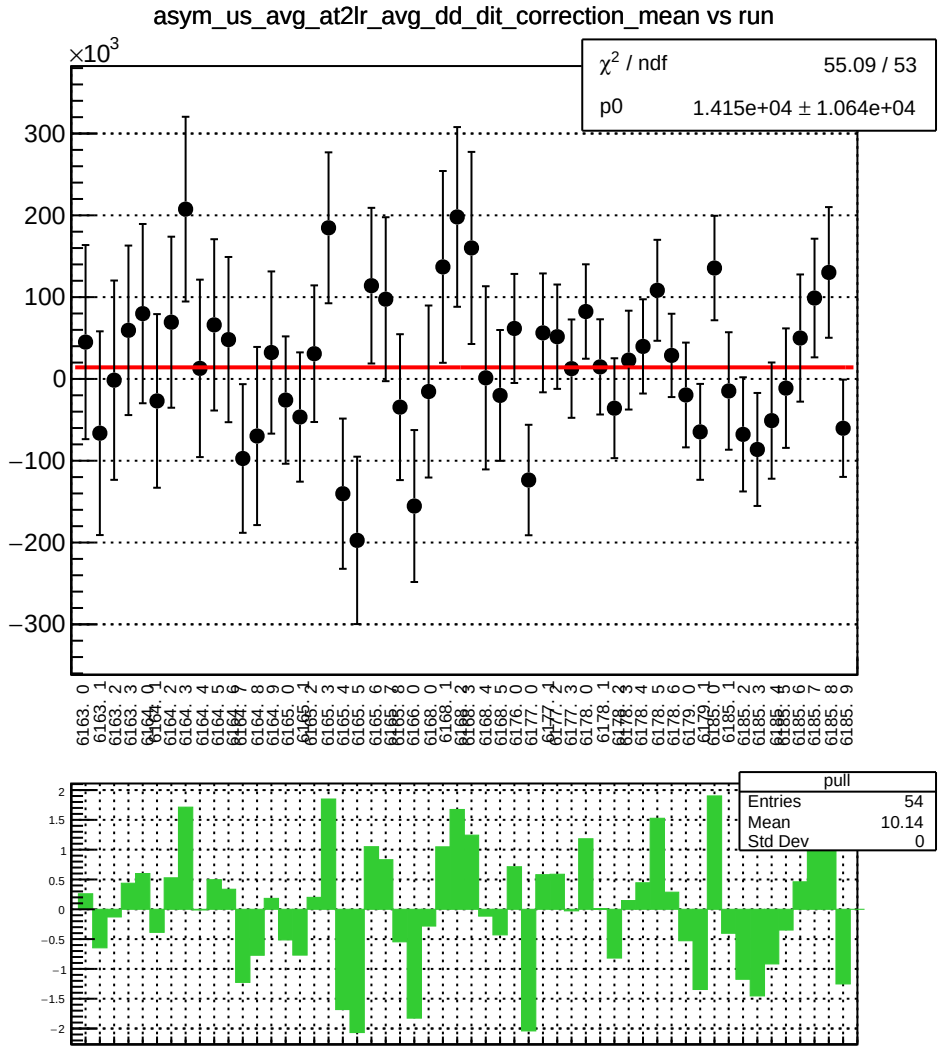

pull1D
Entries 54
Mean 0.02427
Std Dev 1.011

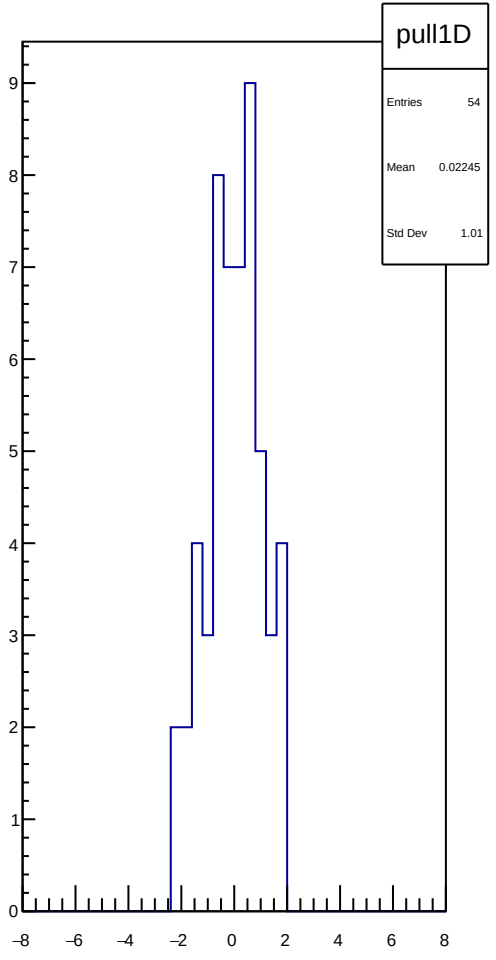

asym_us_avg_at2lr_avg_dd_eigen_cor_correction_rms vs run
χ² / ndf 6.684e+04 / 53
p0 7278 ± 7.404
12000
11000
10000
9000
8000
7000
6000
5000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

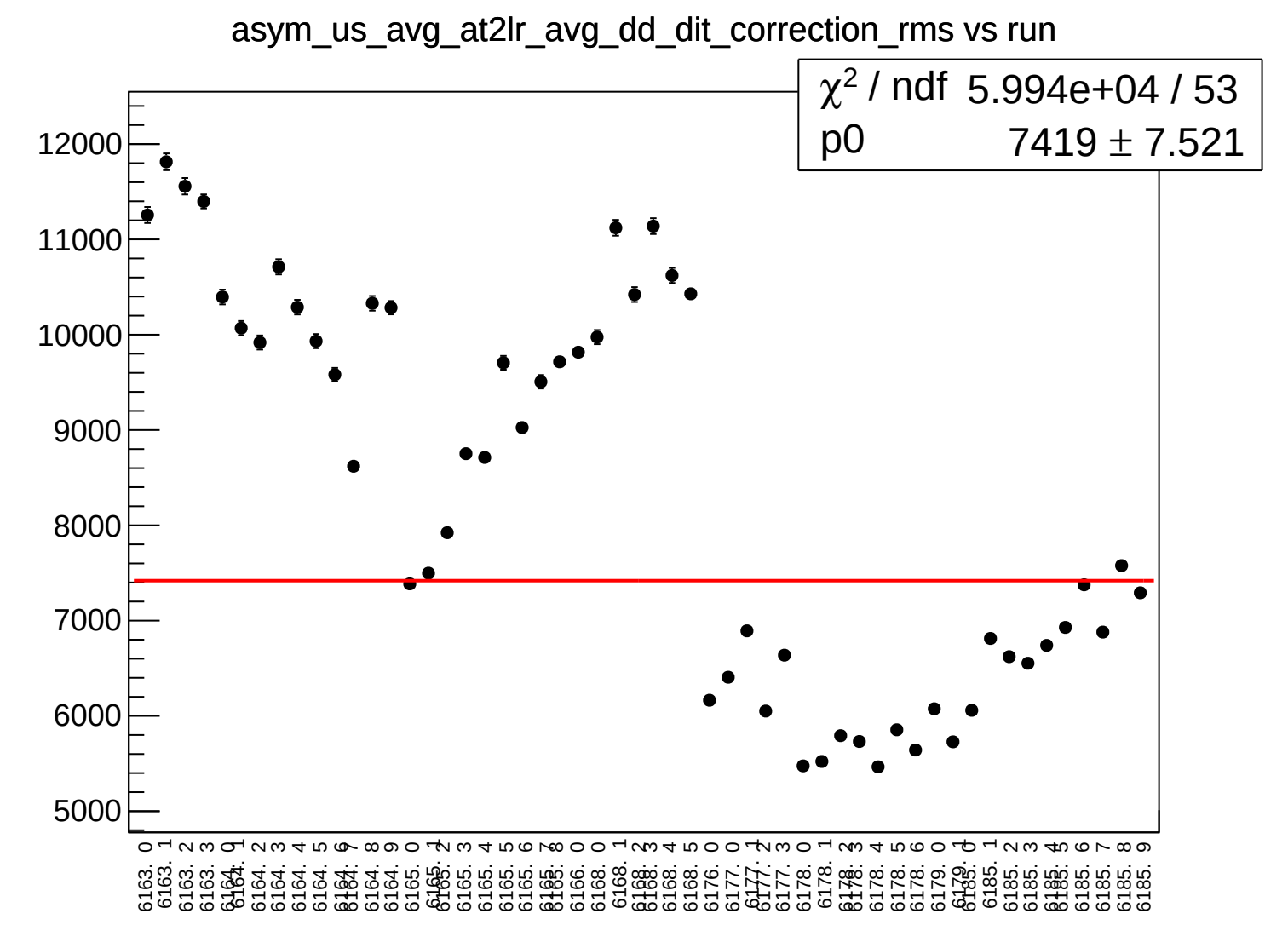

dit_asym_us_avg_at2lr_avg_dd_mean vs run
χ² / ndf 68.47 / 53
p0 −1627 ± 2108
pull
Entries 54
Mean −570.9
Std Dev 0

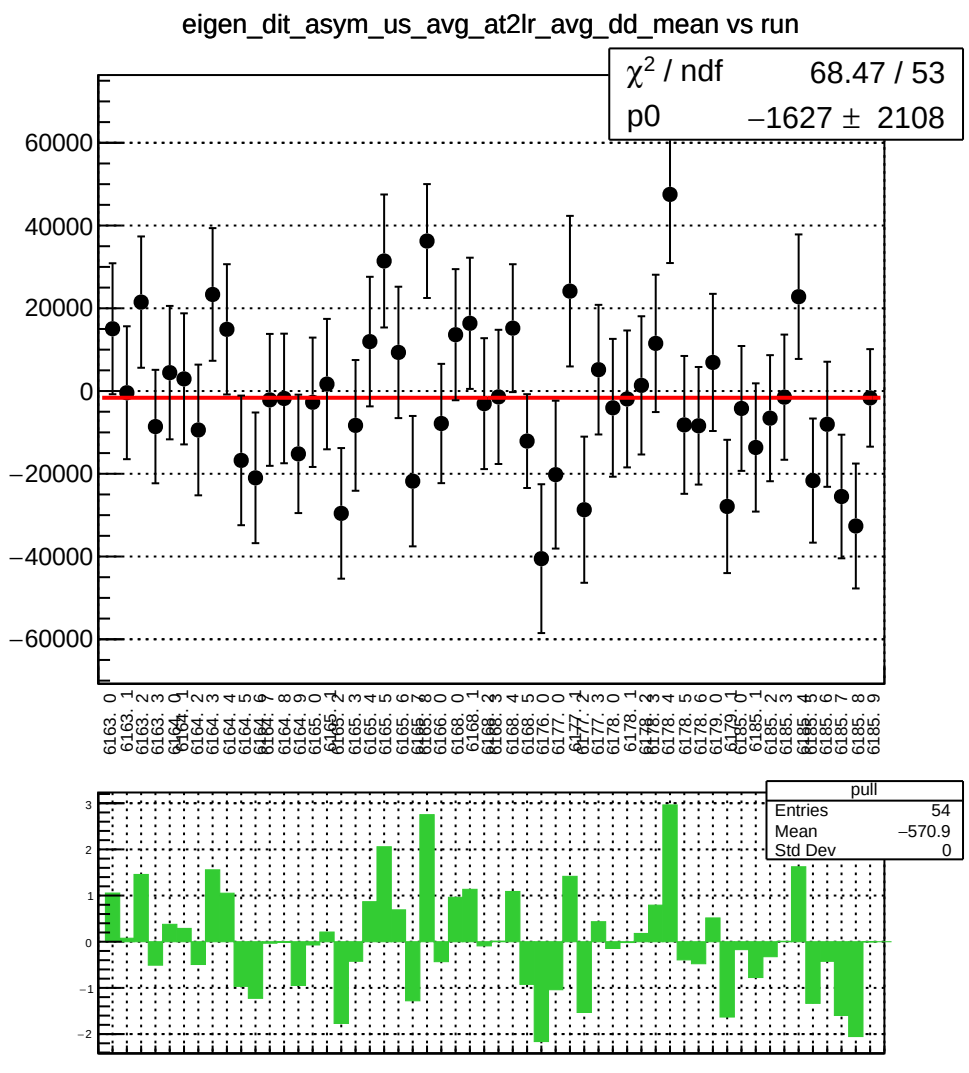

pull1D
Entries 54
Mean 0.005824
Std Dev 1.126

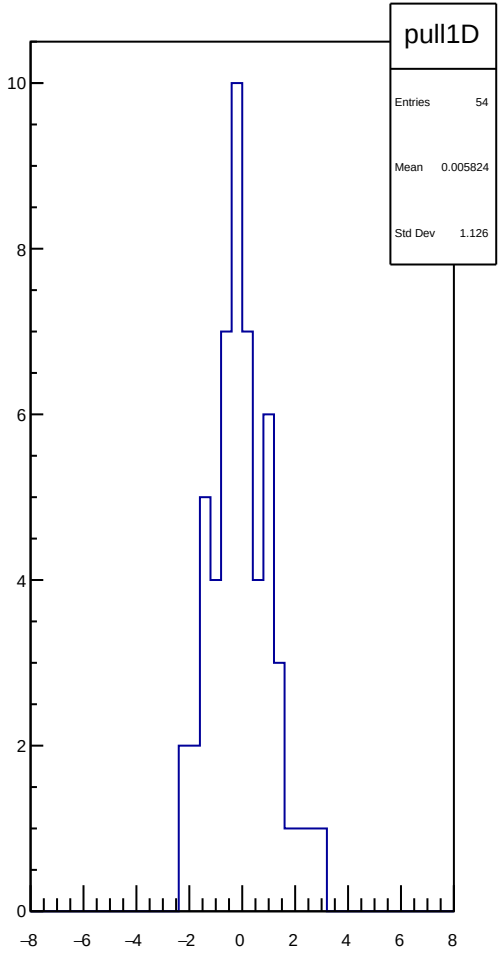

dit_asym_us_avg_at2lr_avg_dd_rms vs run
χ² / ndf 2113 / 53
p0 1514 ± 1.491
1750
1700
1650
1600
1550
1500
1450
1400
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

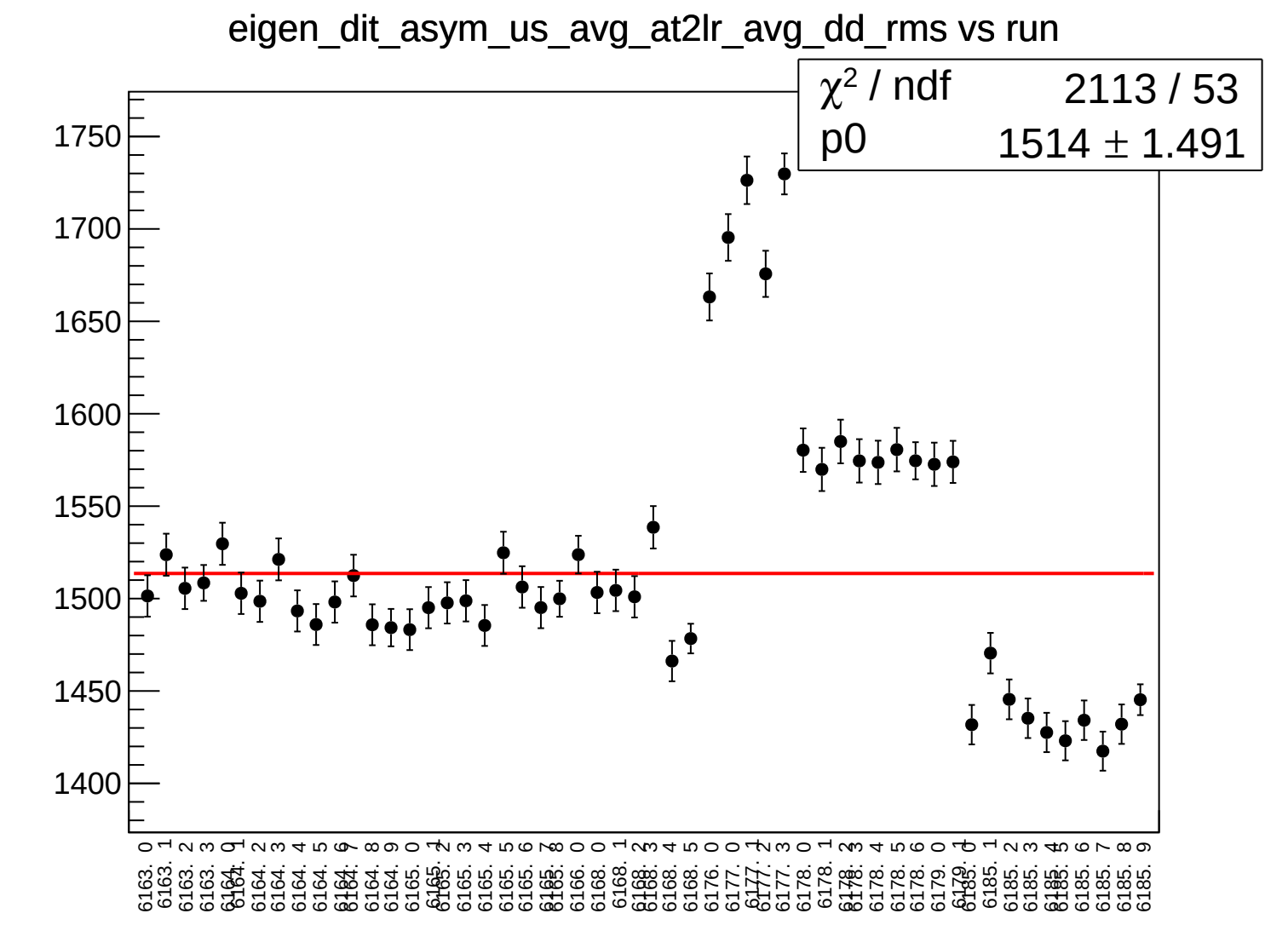

asym_us_avg_at2lr_avg_dd_dit_correction_mean vs run
×10^3
χ² / ndf 55.09 / 53
p0 1.415e+04 ± 1.064e+04
pull
Entries 54
Mean 10.14
Std Dev 0

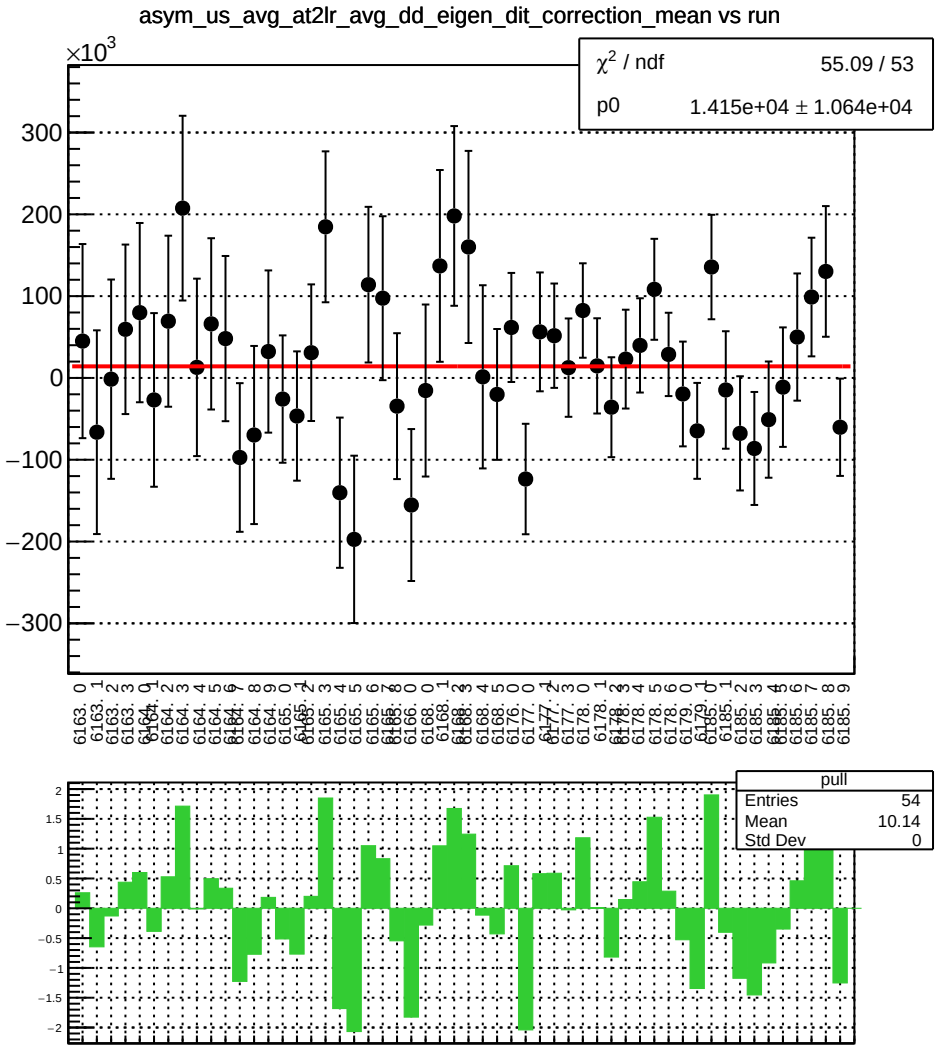

pull1D
Entries 54
Mean 0.02245
Std Dev 1.01

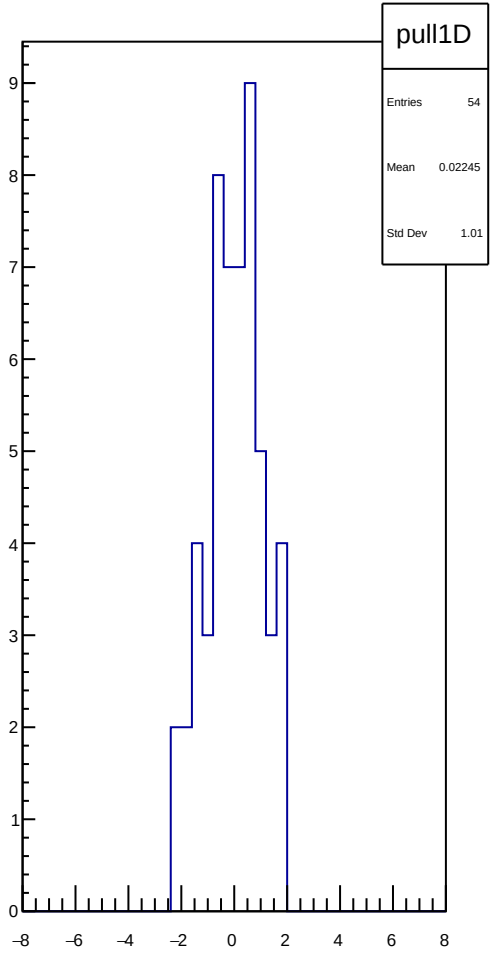

asym_us_avg_at2lr_avg_dd_dit_correction_rms vs run
χ² / ndf 5.994e+04 / 53
p0 7419 ± 7.521
12000
11000
10000
9000
8000
7000
6000
5000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

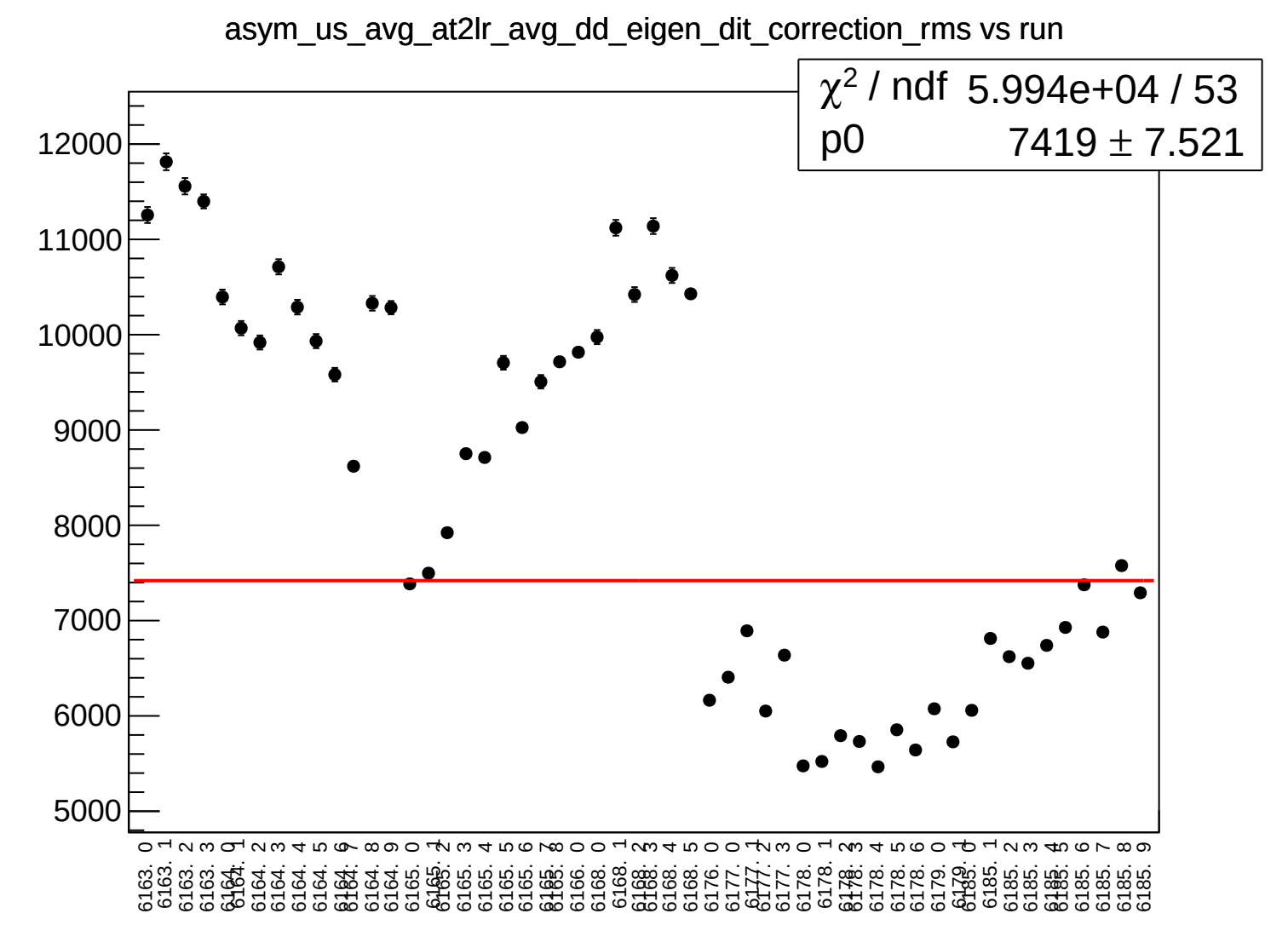

eigen_dit_asym_us_avg_at2lr_avg_dd_mean vs run
χ² / ndf 68.47 / 53
p0 −1627 ± 2108
pull
Entries 54
Mean −570.9
Std Dev 0

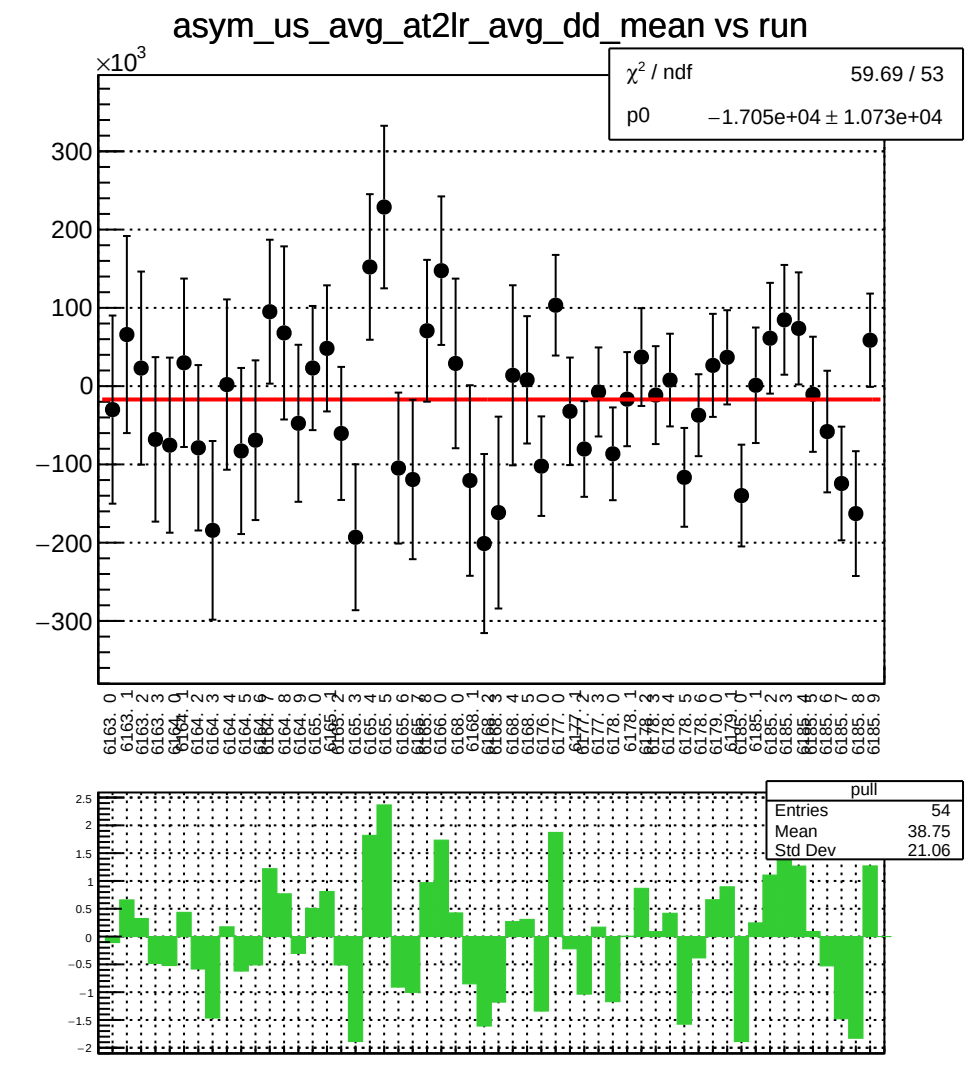

pull1D
Entries 54
Mean 0.005824
Std Dev 1.126

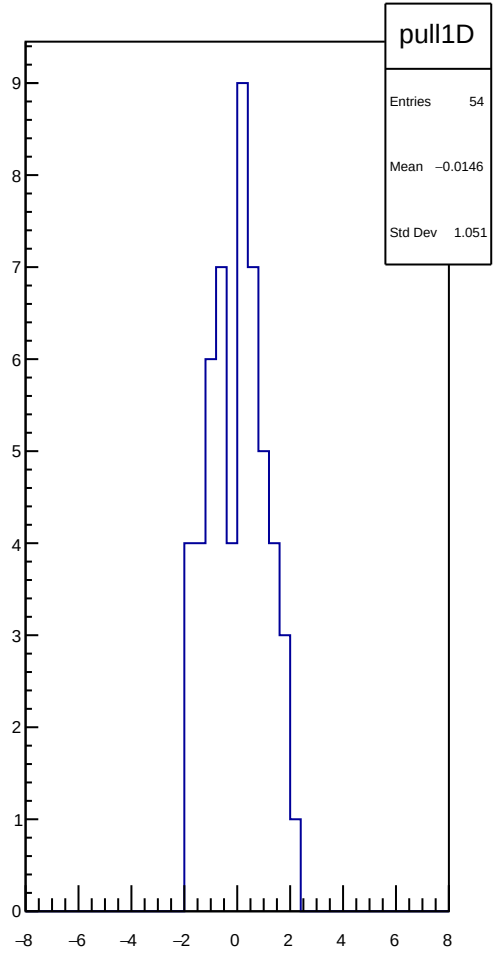

eigen_dit_asym_us_avg_at2lr_avg_dd_rms vs run
χ² / ndf 2113 / 53
p0 1514 ± 1.491
1750
1700
1650
1600
1550
1500
1450
1400
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

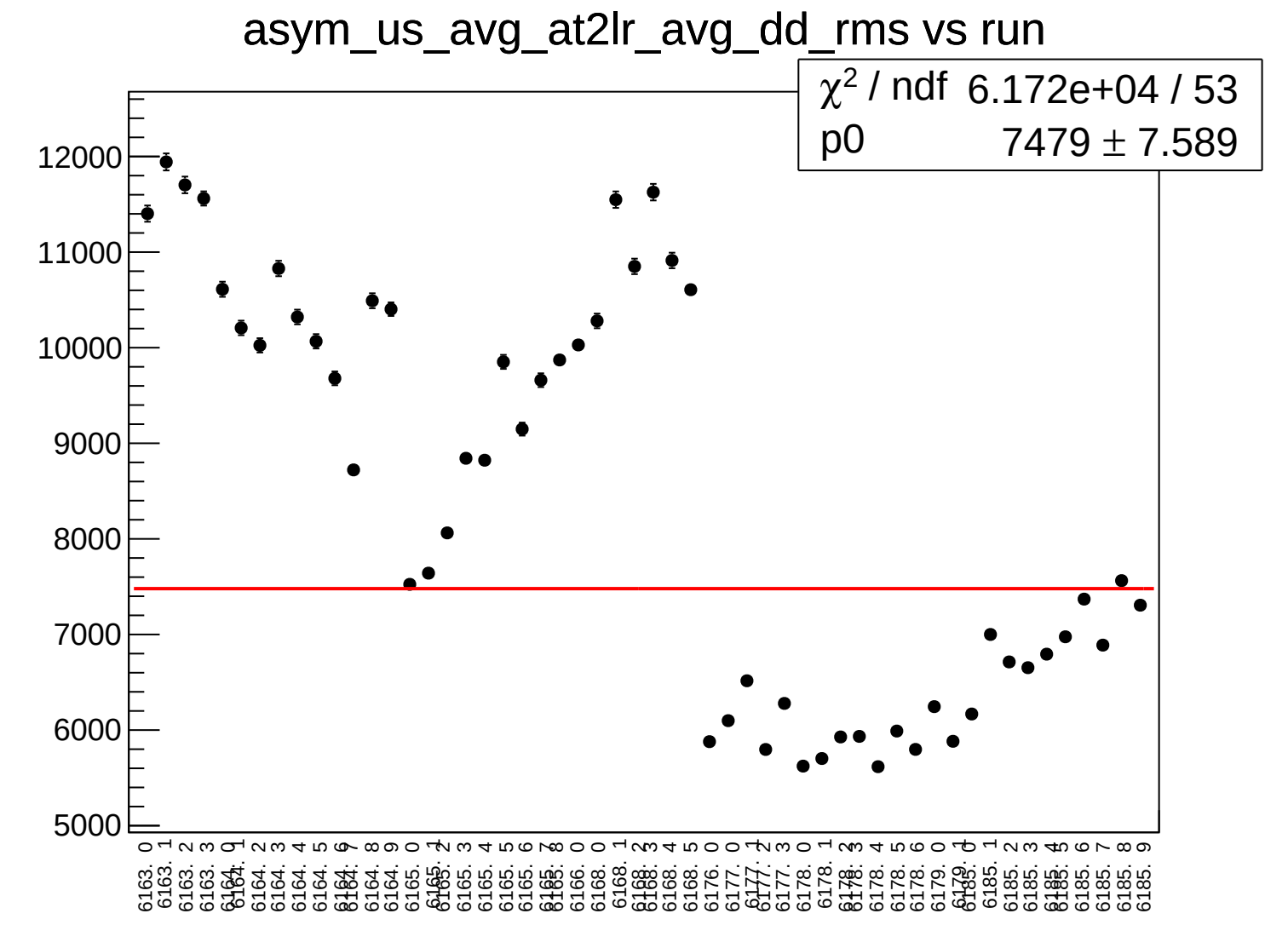

asym_us_avg_at2lr_avg_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 55.09 / 53
p0 1.415e+04 ± 1.064e+04
pull
Entries 54
Mean 10.14
Std Dev 0

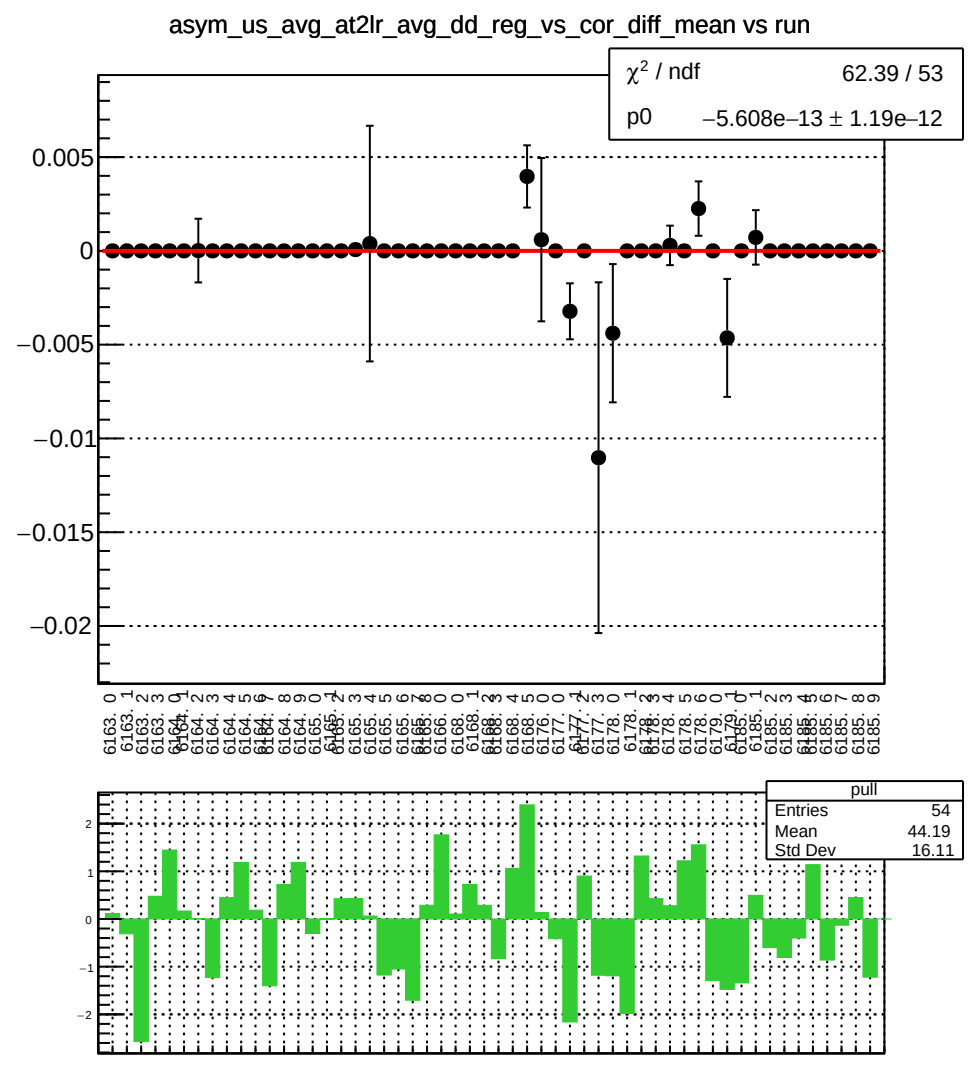

pull1D
Entries 54
Mean 0.02245
Std Dev 1.01

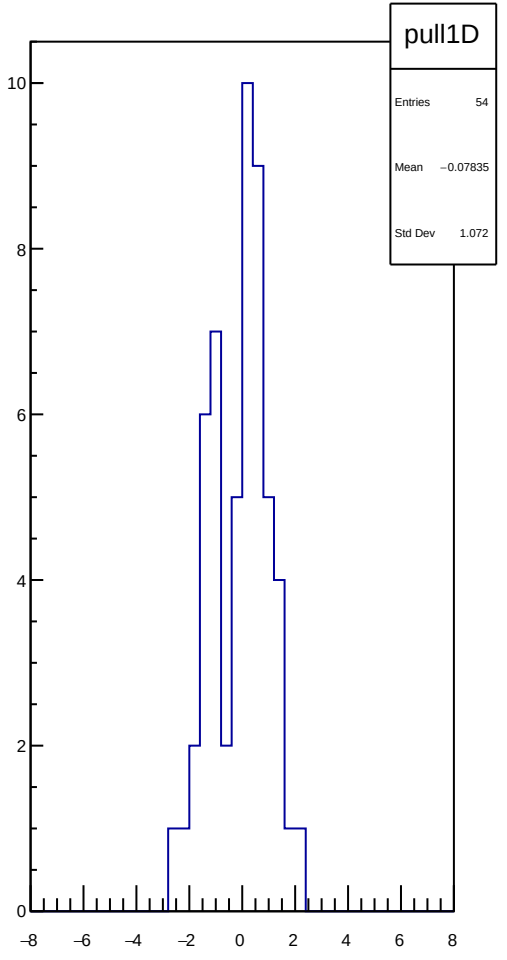

asym_us_avg_at2lr_avg_dd_eigen_dit_correction_rms vs run
χ² / ndf 5.994e+04 / 53
p0 7419 ± 7.521
12000
11000
10000
9000
8000
7000
6000
5000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

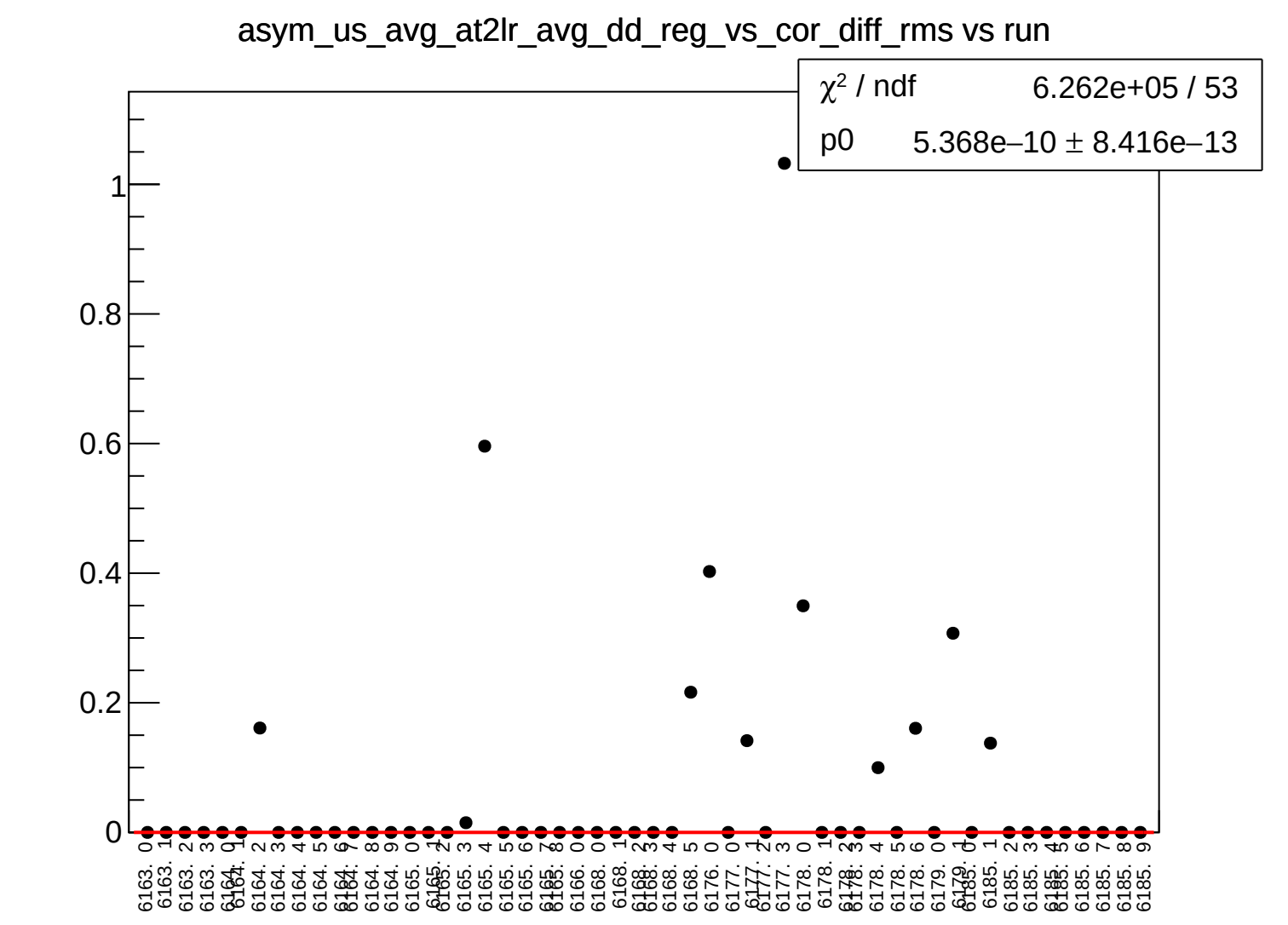

asym_us_avg_at2lr_avg_dd_mean vs run
×10^3
χ² / ndf 59.69 / 53
p0 −1.705e+04 ± 1.073e+04
pull
Entries 54
Mean 38.75
Std Dev 21.06

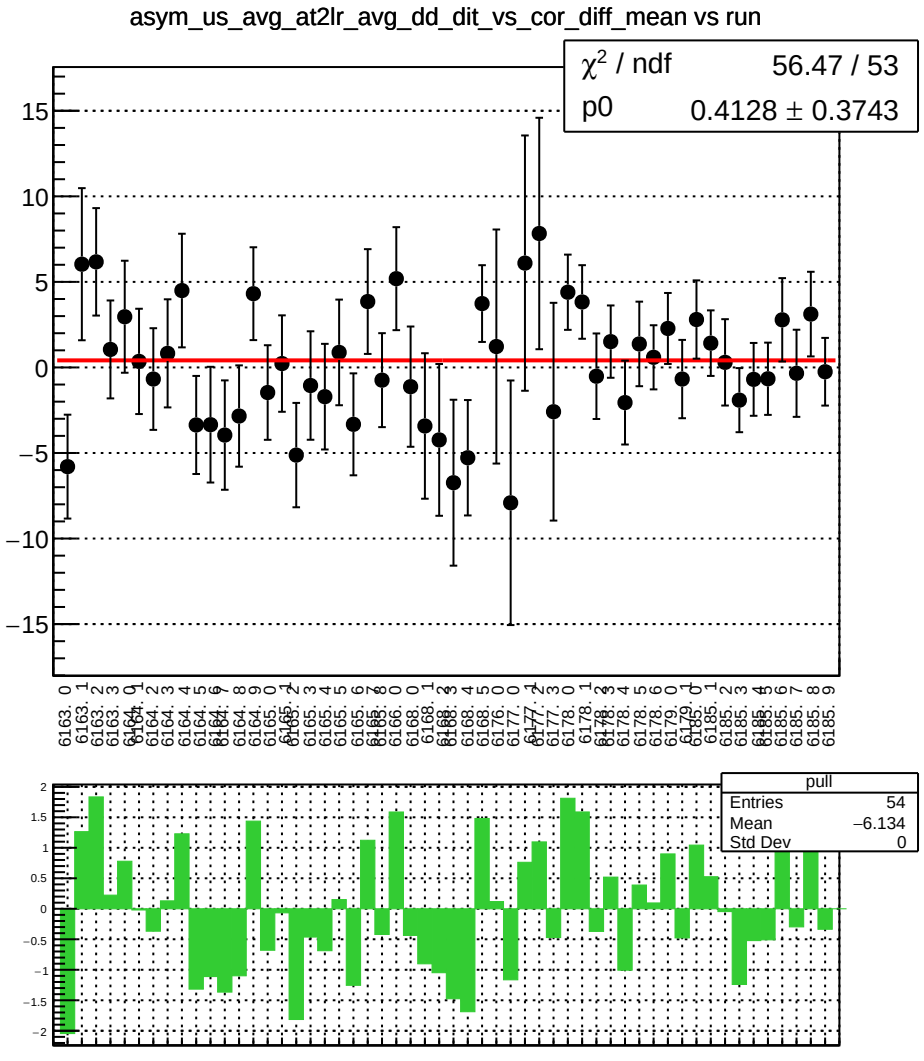

pull1D
Entries 54
Mean −0.0146
Std Dev 1.051

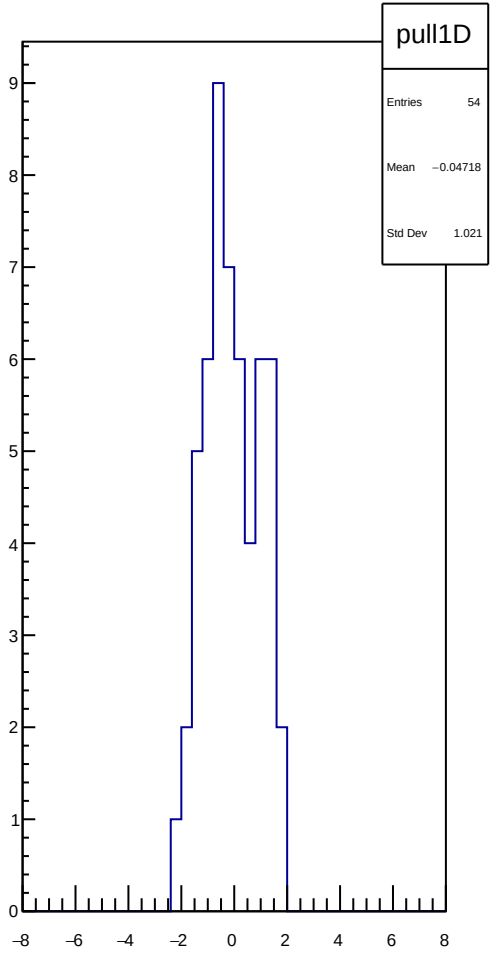

asym_us_avg_at2lr_avg_dd_rms vs run
χ² / ndf 6.172e+04 / 53
p0 7479 ± 7.589
12000
11000
10000
9000
8000
7000
6000
5000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

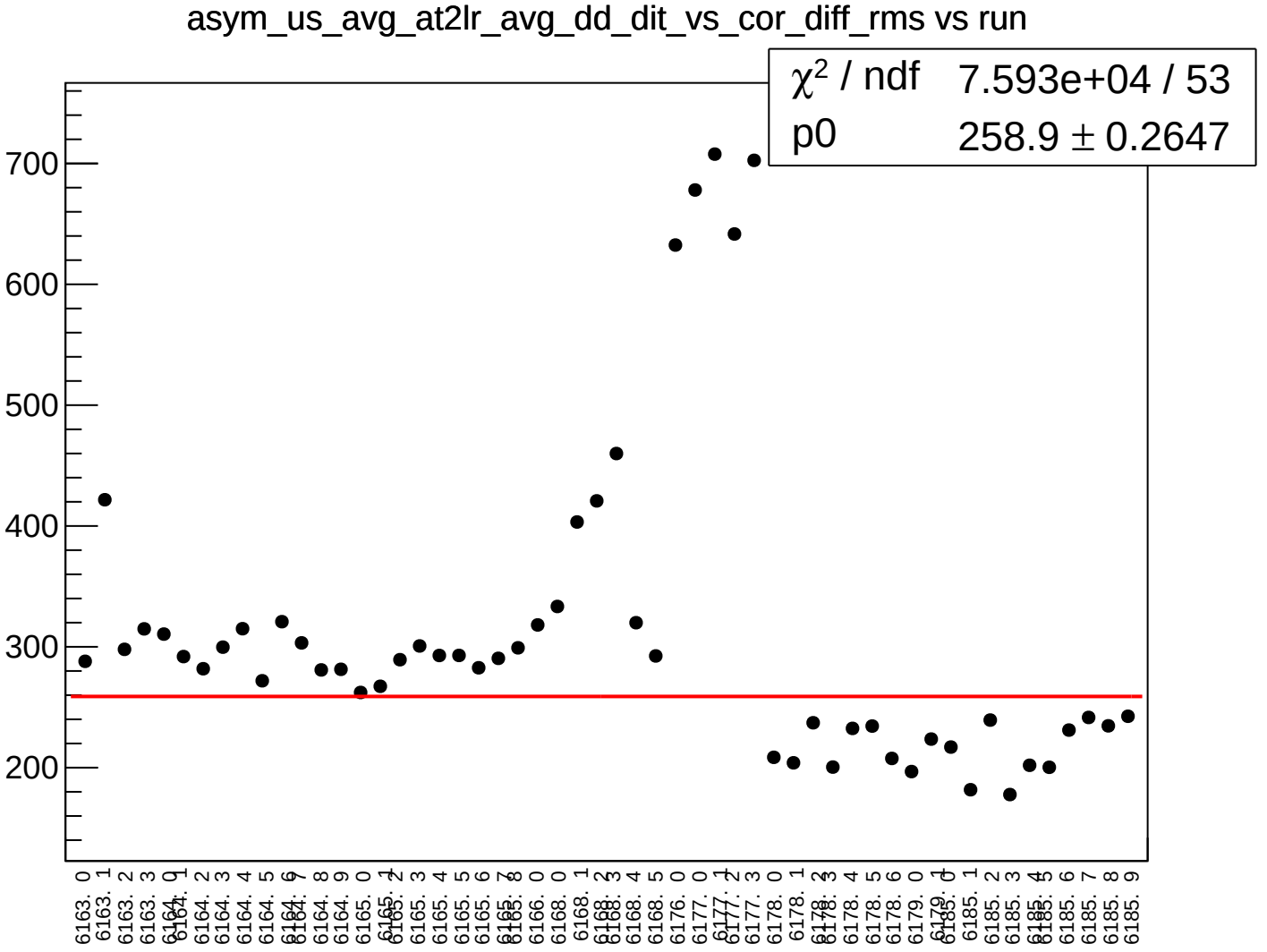

asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 62.39 / 53
p0 −5.608e−13 ± 1.19e−12
0.005
0
−0.005
−0.01
−0.015
−0.02
pull
Entries 54
Mean 44.19
Std Dev 16.11
2
1
0
−1
−2

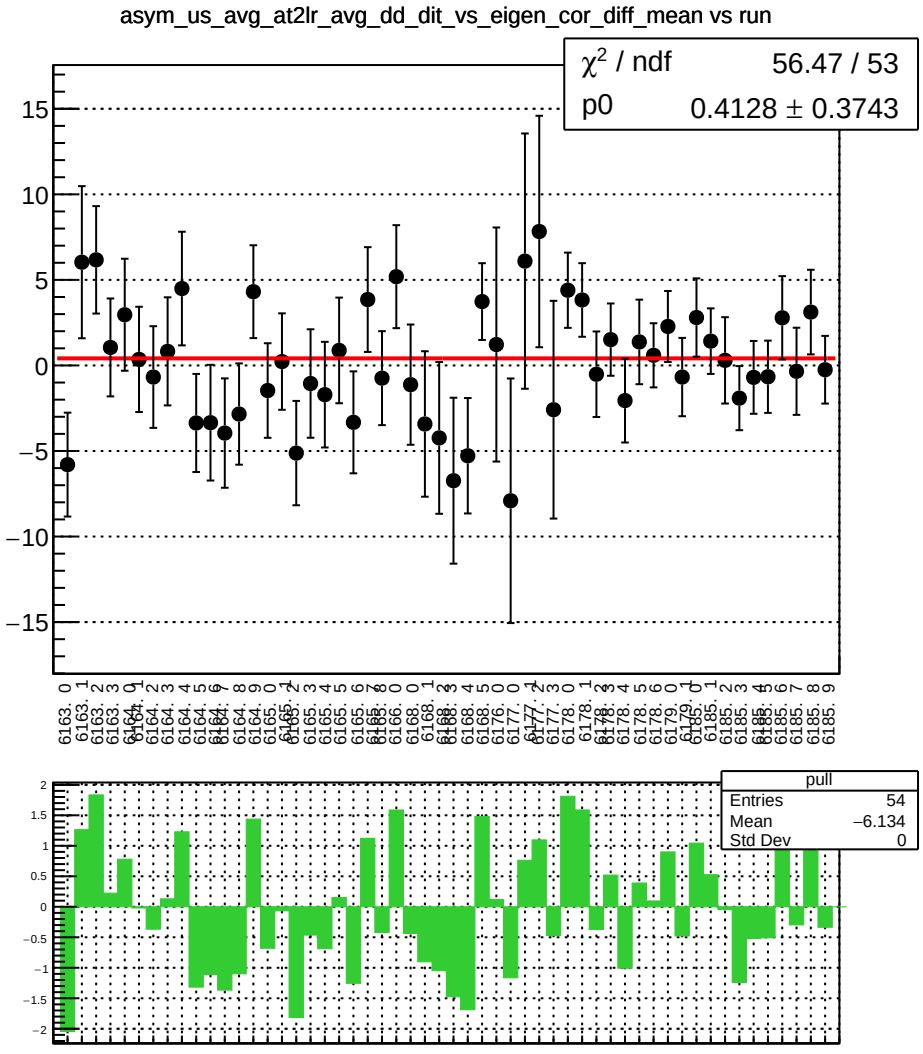

pull1D
Entries 54
Mean −0.07835
Std Dev 1.072
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

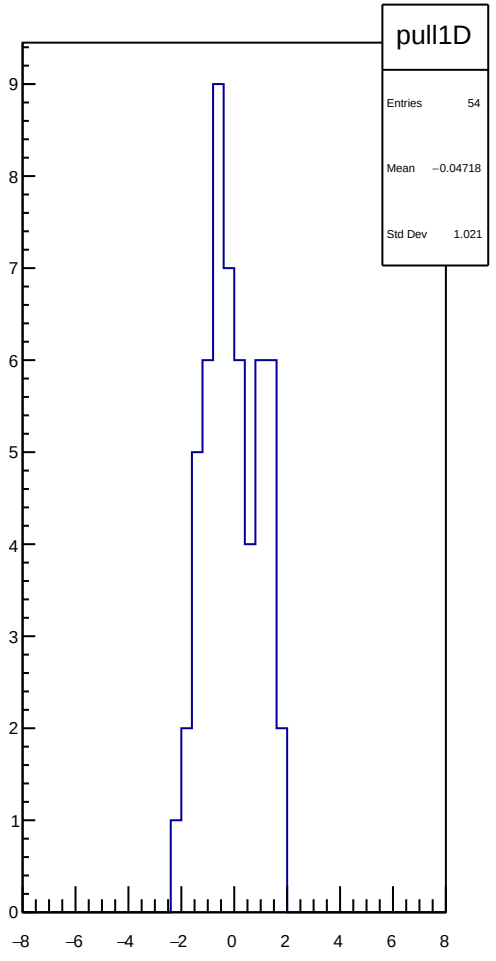

asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.262e+05 / 53
p0 5.368e−10 ± 8.416e−13
1
0.8
0.6
0.4
0.2
0
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

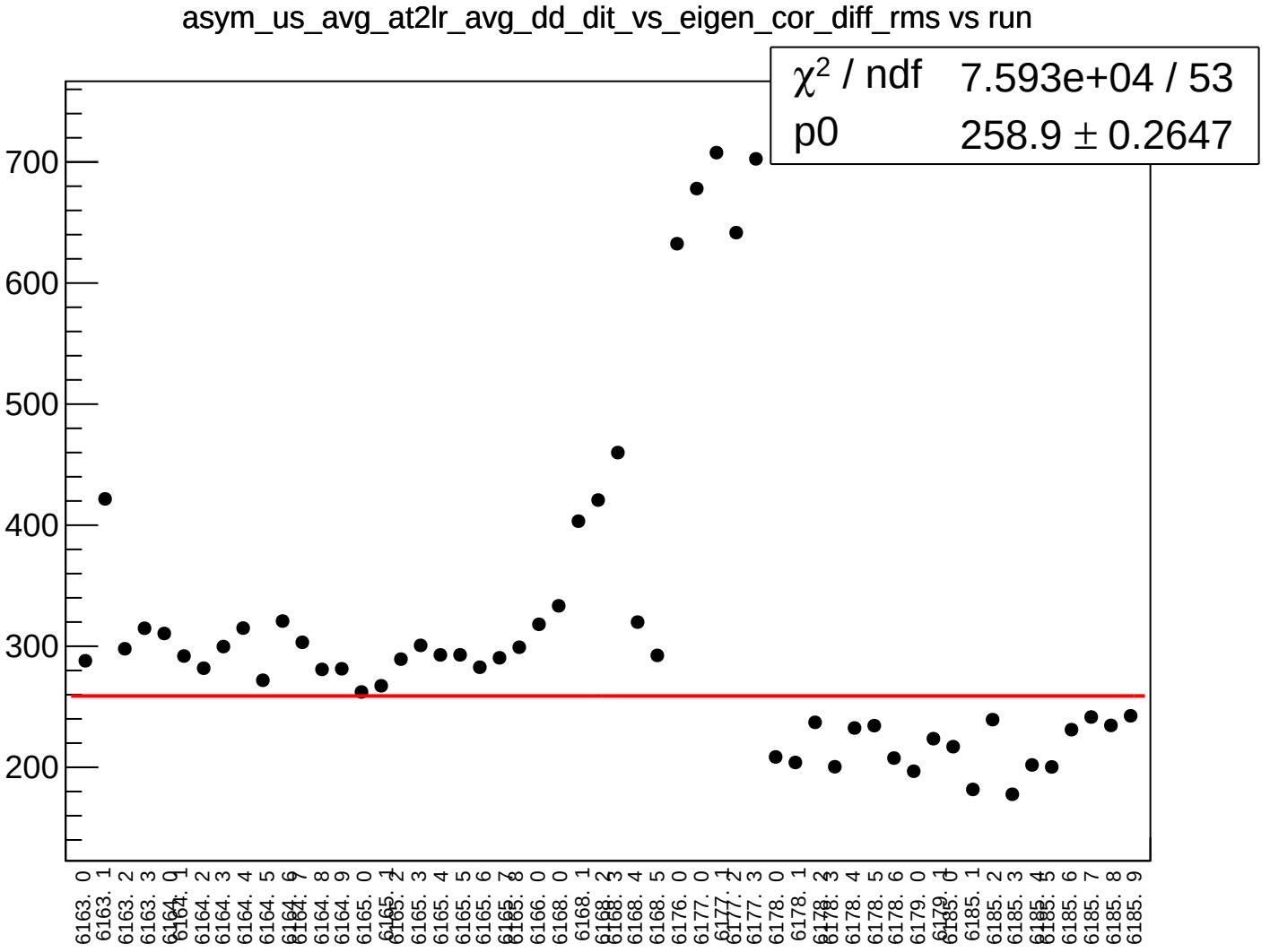

asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 56.47 / 53
p0 0.4128 ± 0.3743
pull
Entries 54
Mean −6.134
Std Dev 0

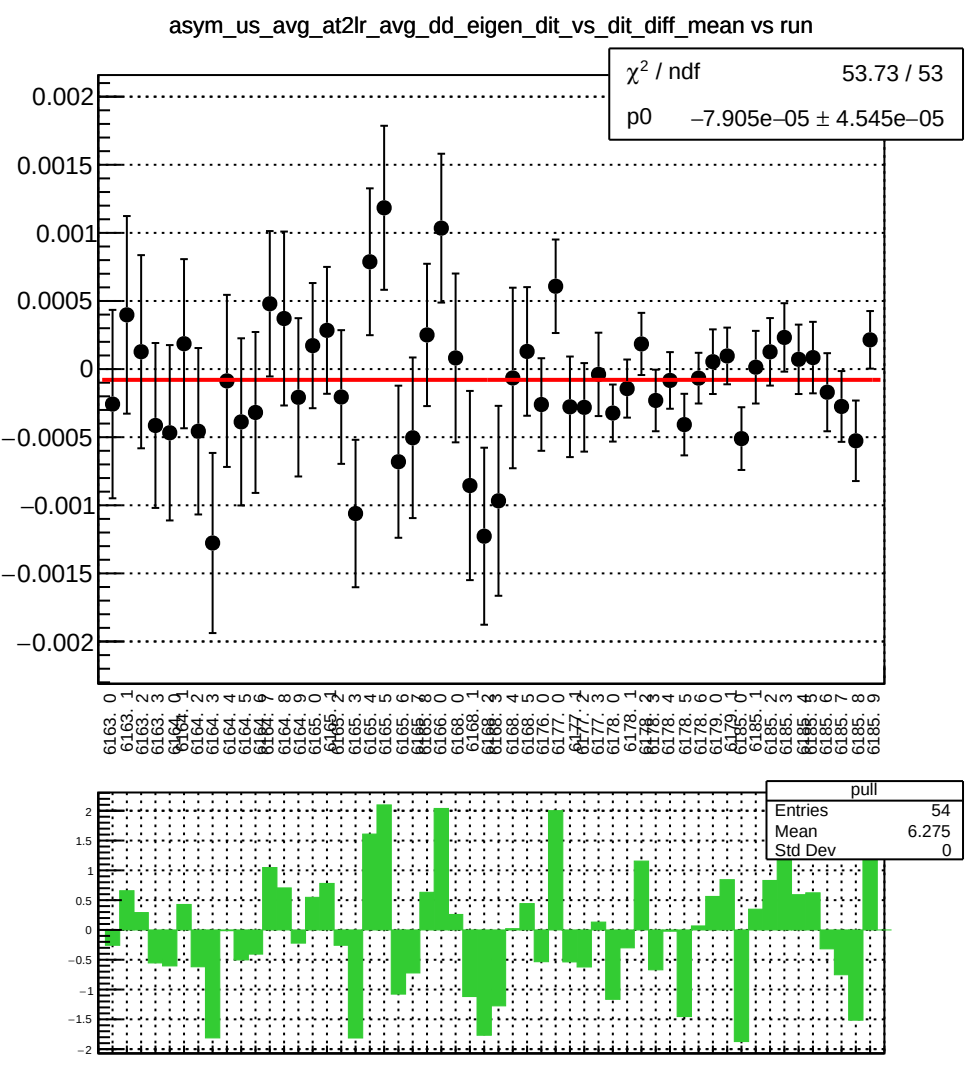

pull1D
Entries 54
Mean −0.04718
Std Dev 1.021

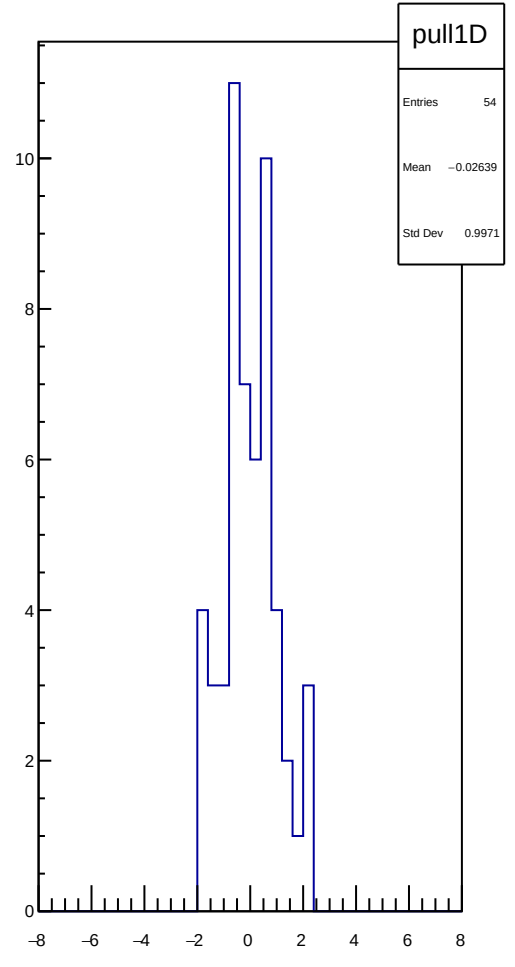

asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 7.593e+04 / 53
p0 258.9 ± 0.2647
700
600
500
400
300
200
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

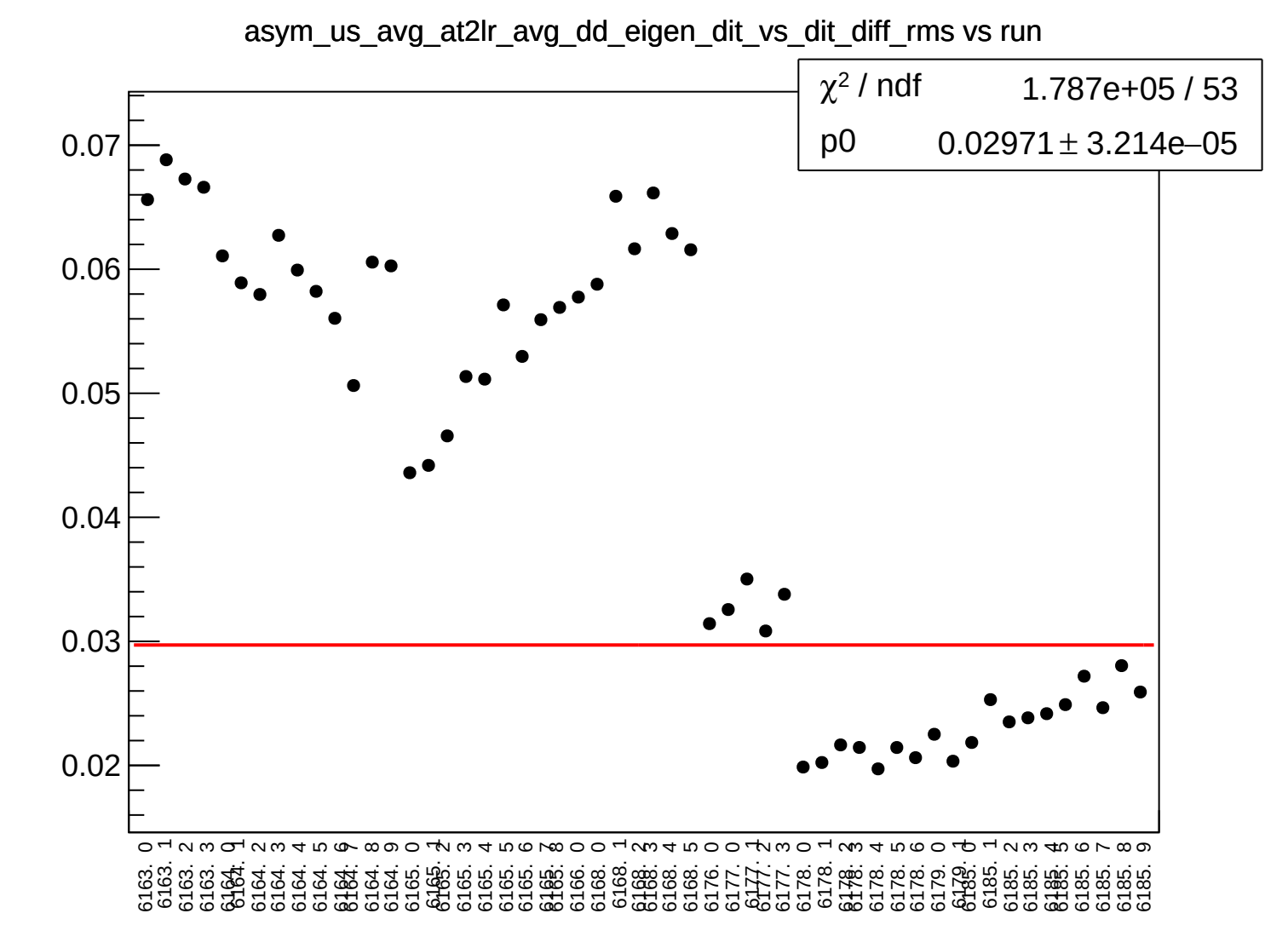

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 56.47 / 53
p0 0.4128 ± 0.3743
pull
Entries 54
Mean −6.134
Std Dev 0

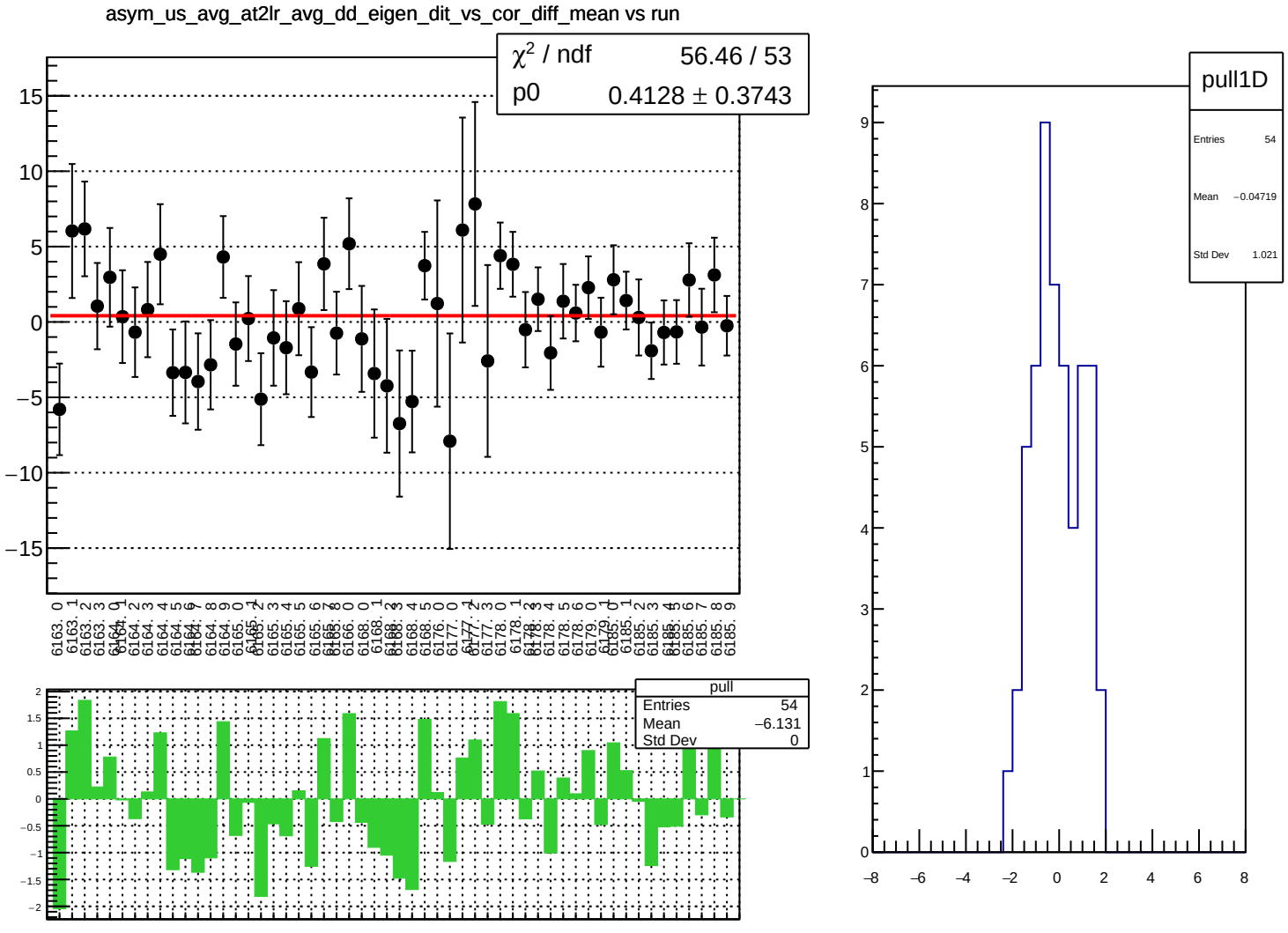

pull1D
Entries 54
Mean −0.04718
Std Dev 1.021

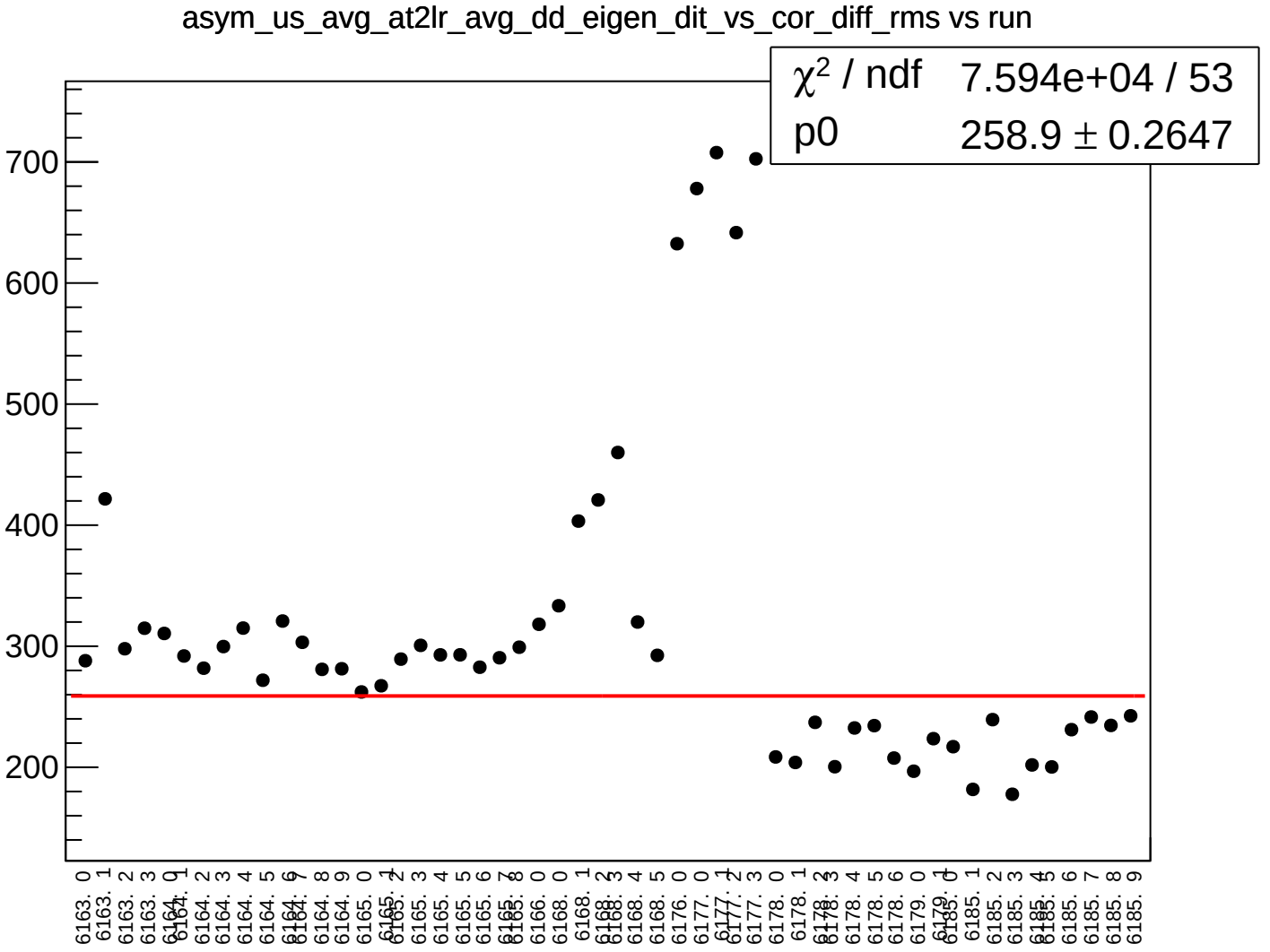

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.593e+04 / 53
p0 258.9 ± 0.2647
700
600
500
400
300
200
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

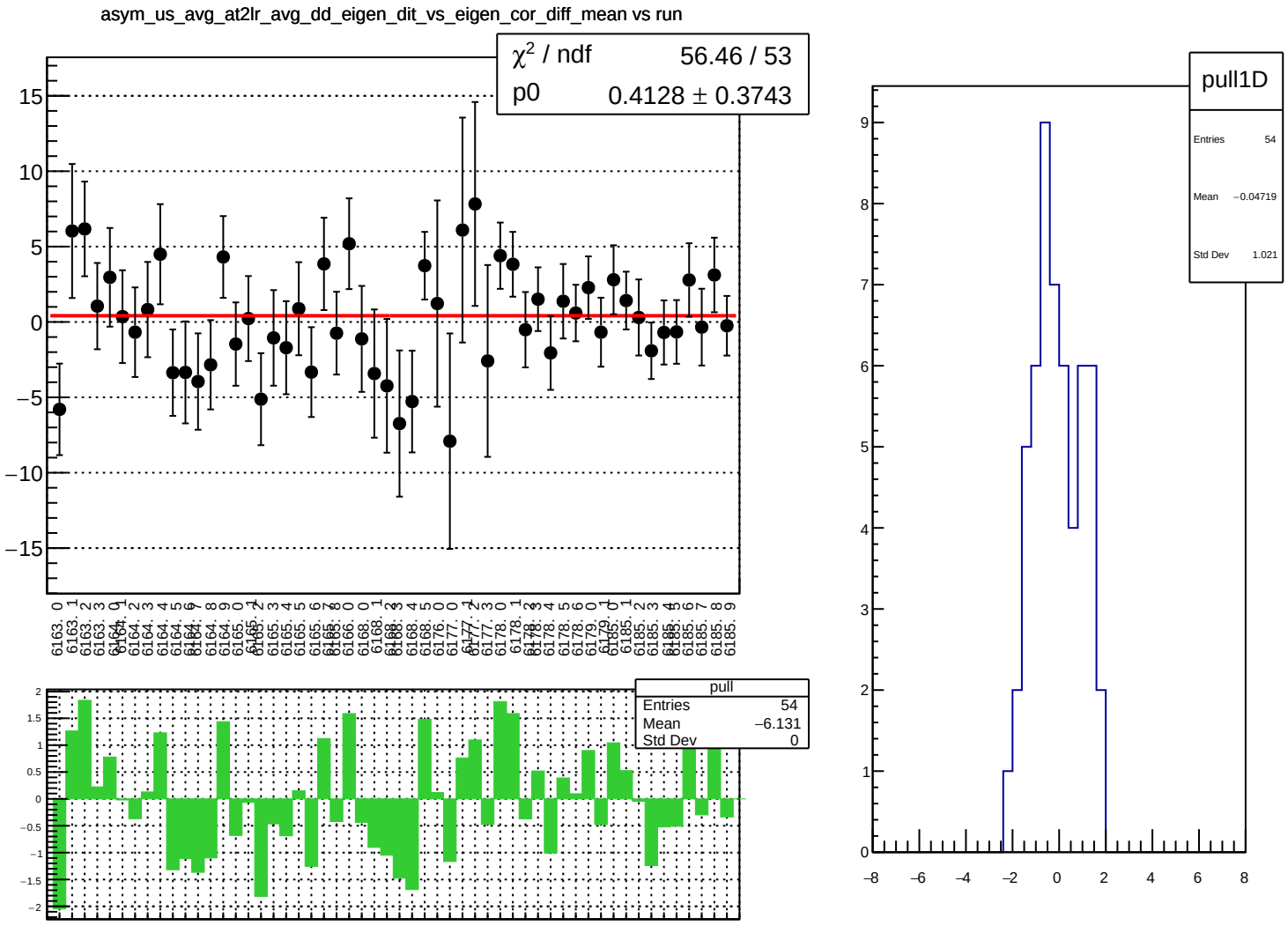

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 53.73 / 53
p0 −7.905e−05 ± 4.545e−05
pull
Entries 54
Mean 6.275
Std Dev 0

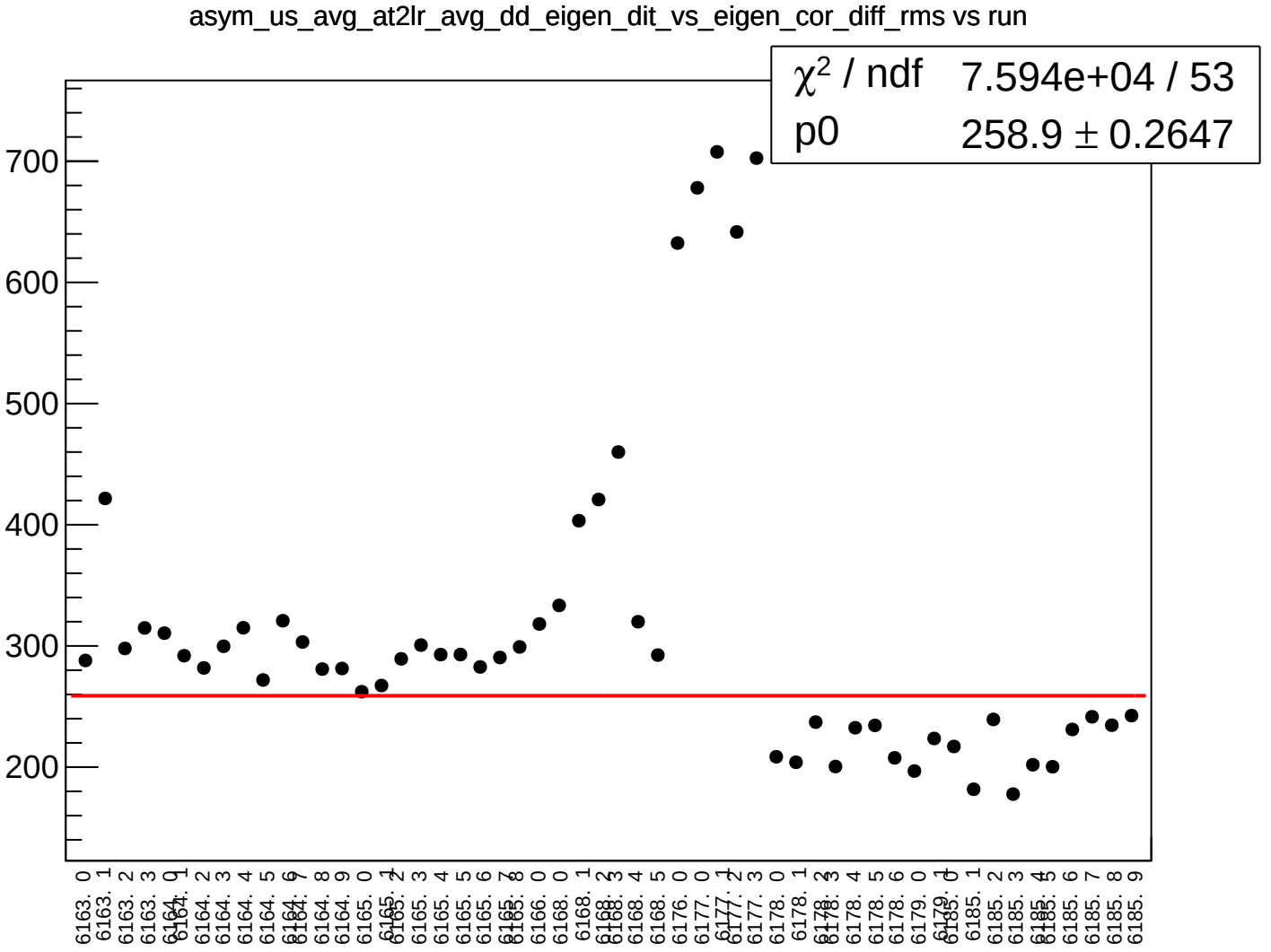

pull1D
Entries 54
Mean −0.02639
Std Dev 0.9971

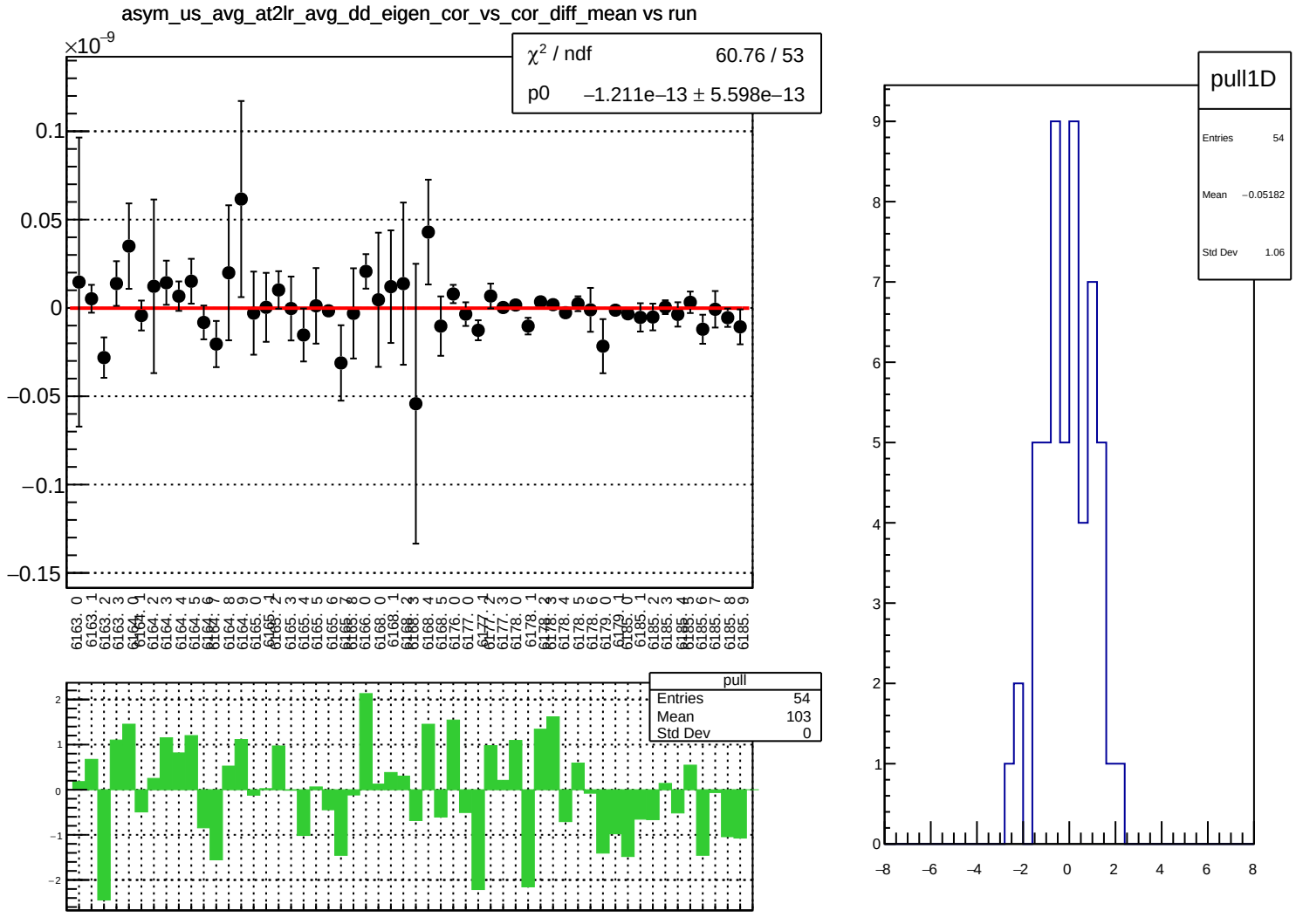

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.787e+05 / 53
p0 0.02971 ± 3.214e−05
0.07
0.06
0.05
0.04
0.03
0.02
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

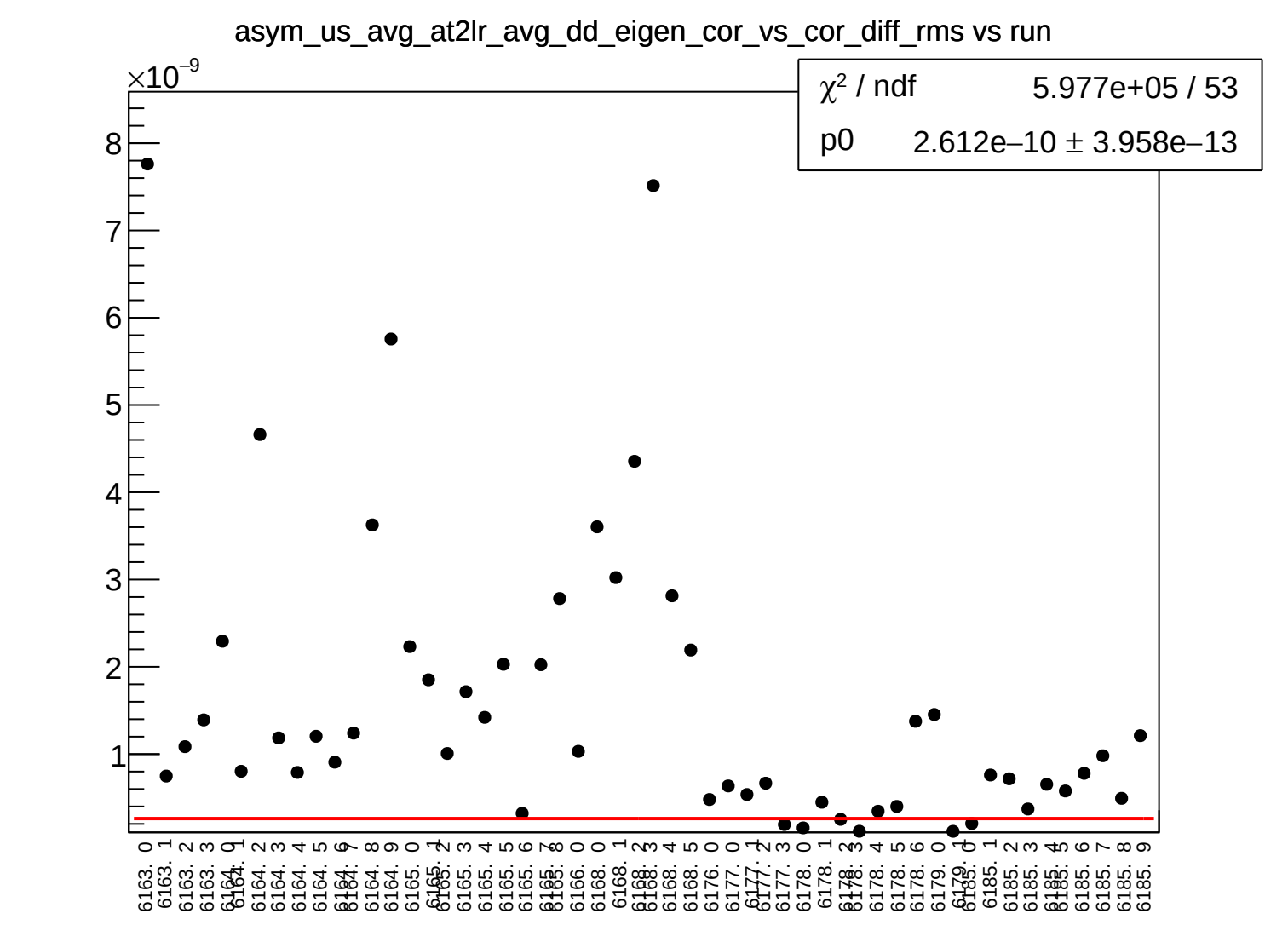

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 56.46 / 53
p0 0.4128 ± 0.3743
pull
Entries 54
Mean −6.131
Std Dev 0
pull1D
Entries 54
Mean −0.04719
Std Dev 1.021

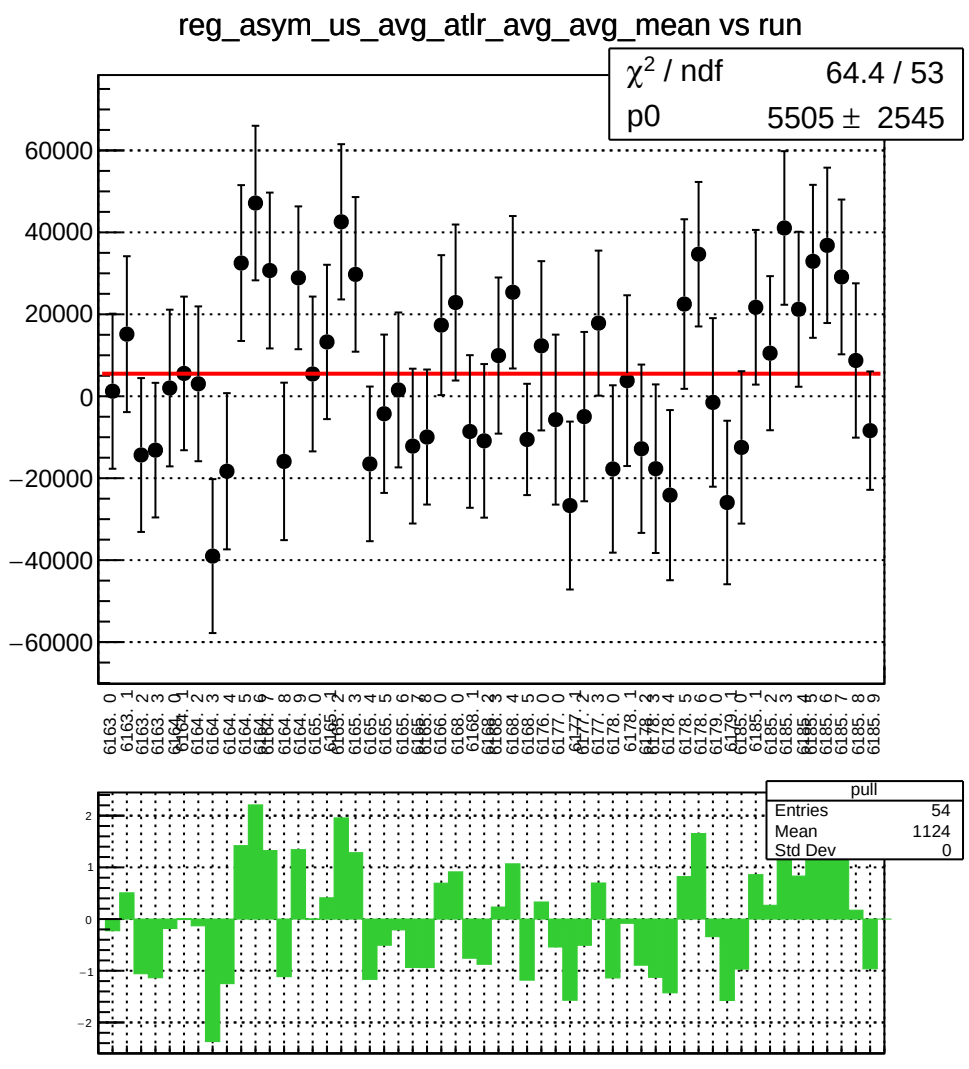

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 7.594e+04 / 53
p0 258.9 ± 0.2647
700
600
500
400
300
200
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

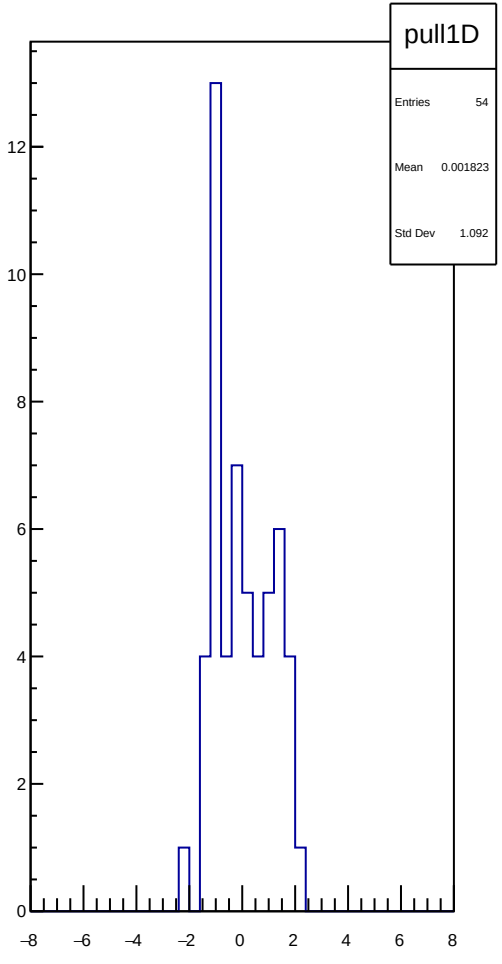

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 56.46 / 53
p0 0.4128 ± 0.3743
pull
Entries 54
Mean −6.131
Std Dev 0
pull1D
Entries 54
Mean −0.04719
Std Dev 1.021

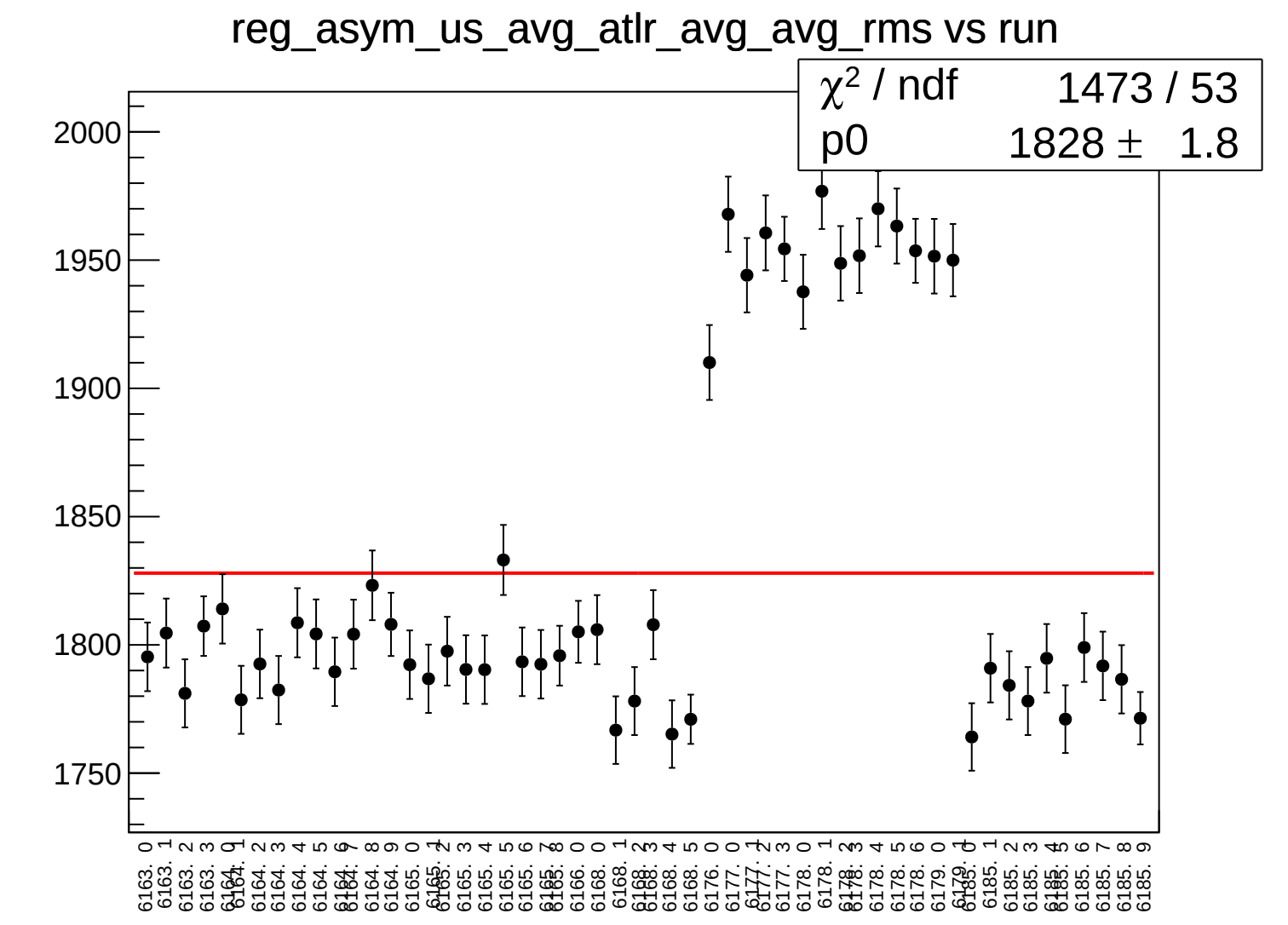

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.594e+04 / 53
p0 258.9 ± 0.2647
700
600
500
400
300
200
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

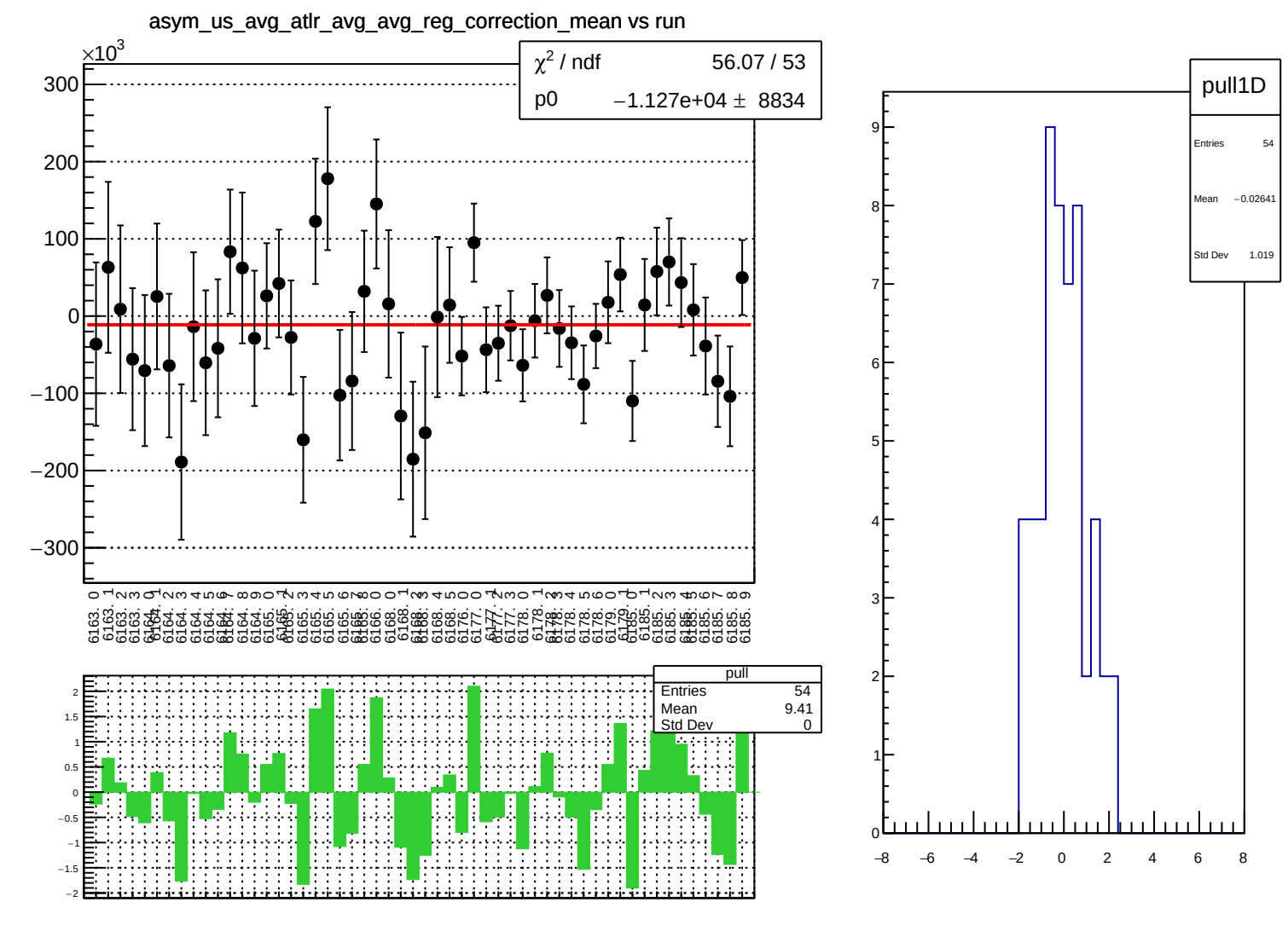

asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻⁹
χ² / ndf 60.76 / 53
p0 −1.211e−13 ± 5.598e−13
pull
Entries 54
Mean 103
Std Dev 0
pull1D
Entries 54
Mean −0.05182
Std Dev 1.06

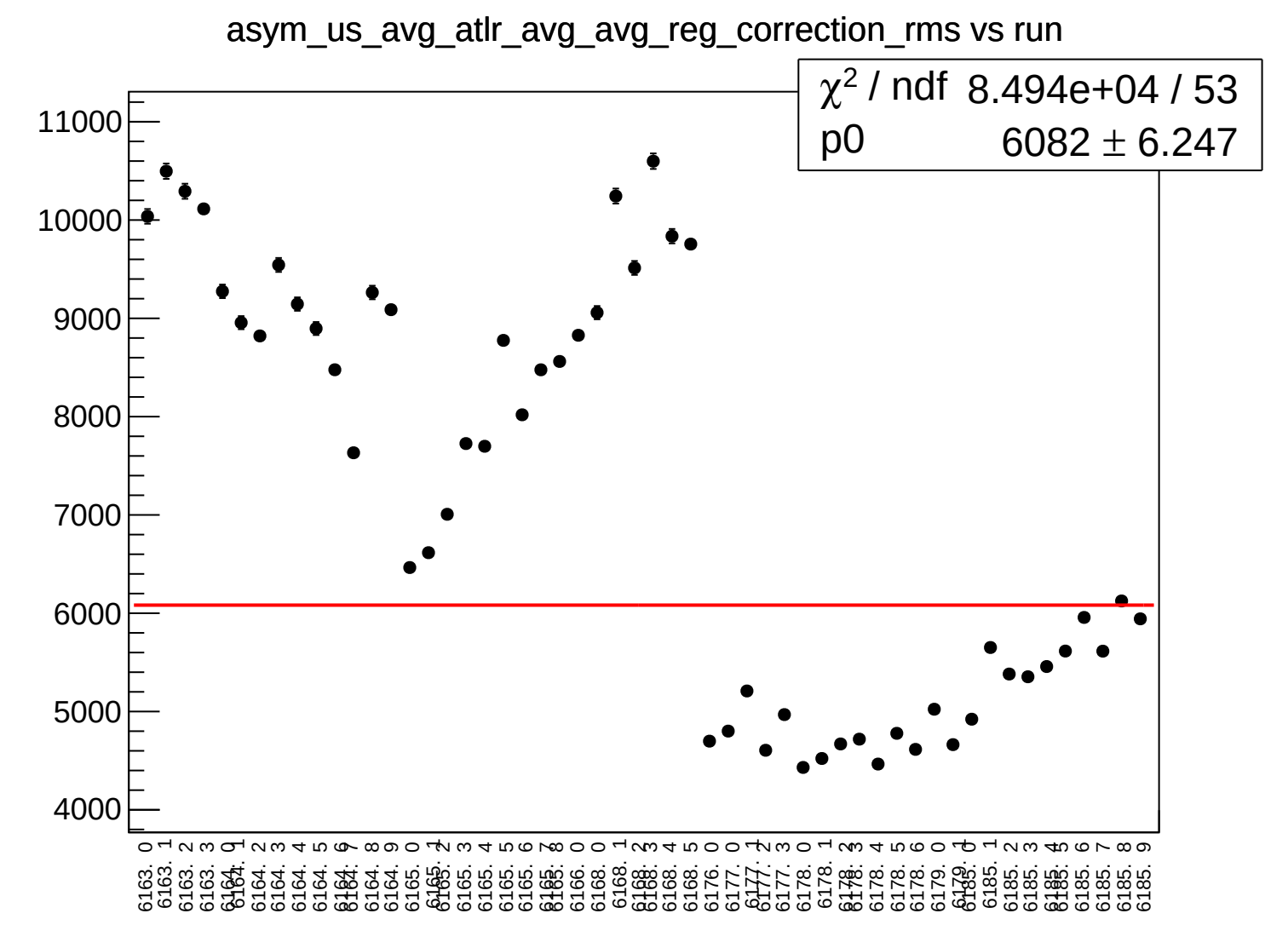

asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.977e+05 / 53
p0 2.612e−10 ± 3.958e−13
8
7
6
5
4
3
2
1
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

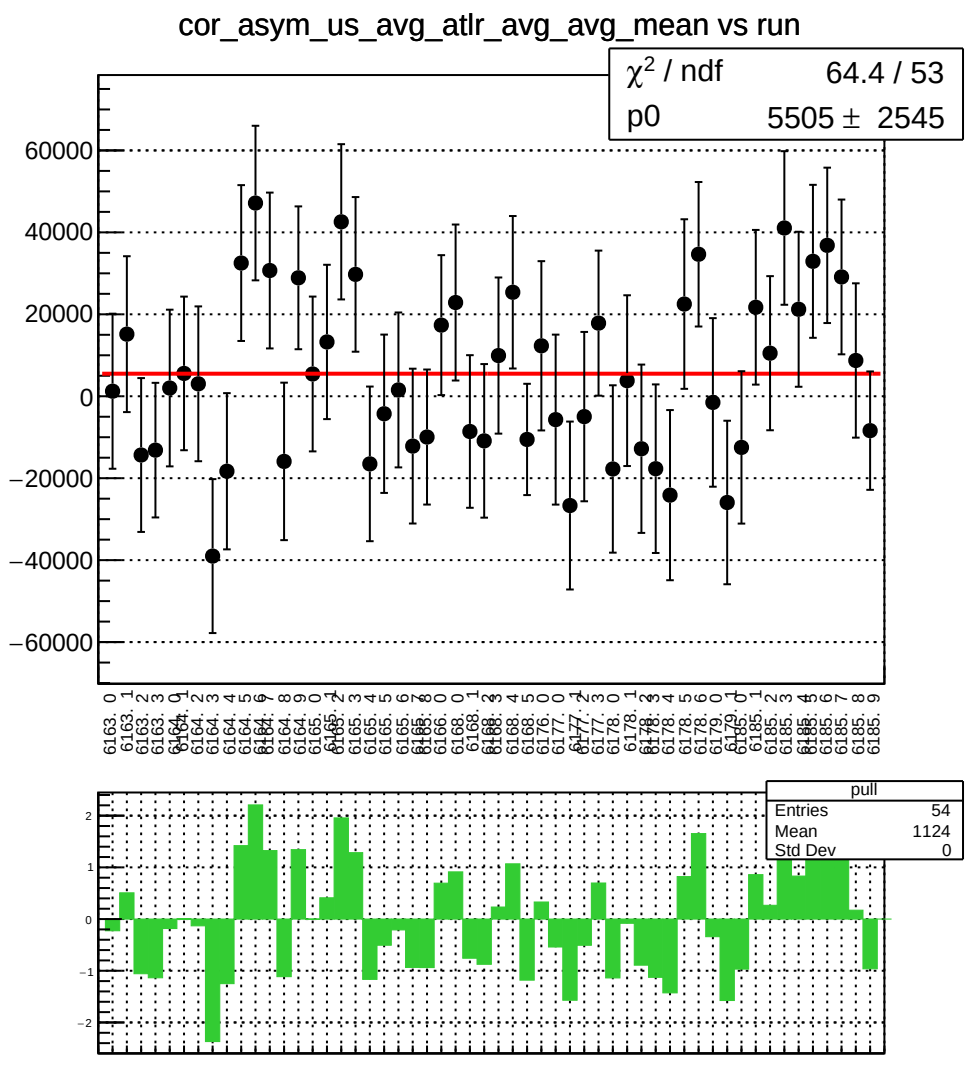

reg_asym_us_avg_atlr_avg_avg_mean vs run
χ² / ndf 64.4 / 53
p0 5505 ± 2545
pull
Entries 54
Mean 1124
Std Dev 0

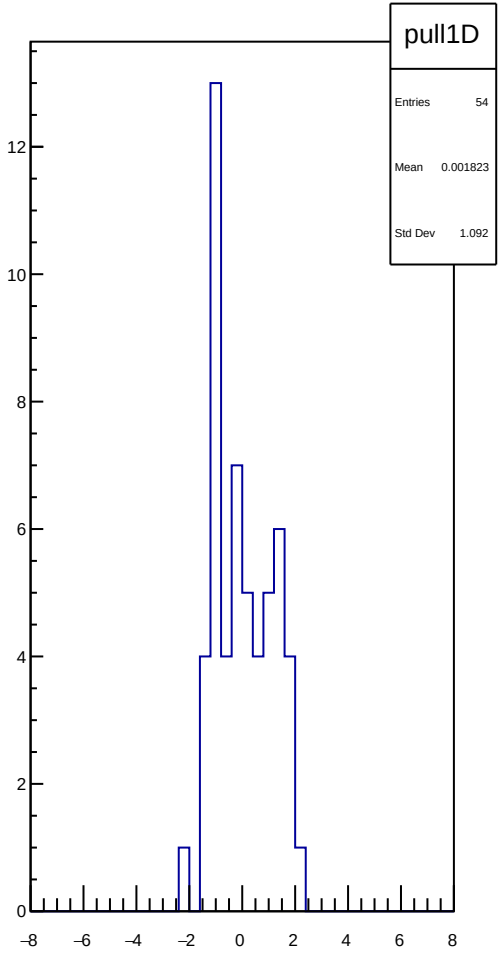

pull1D
Entries 54
Mean 0.001823
Std Dev 1.092

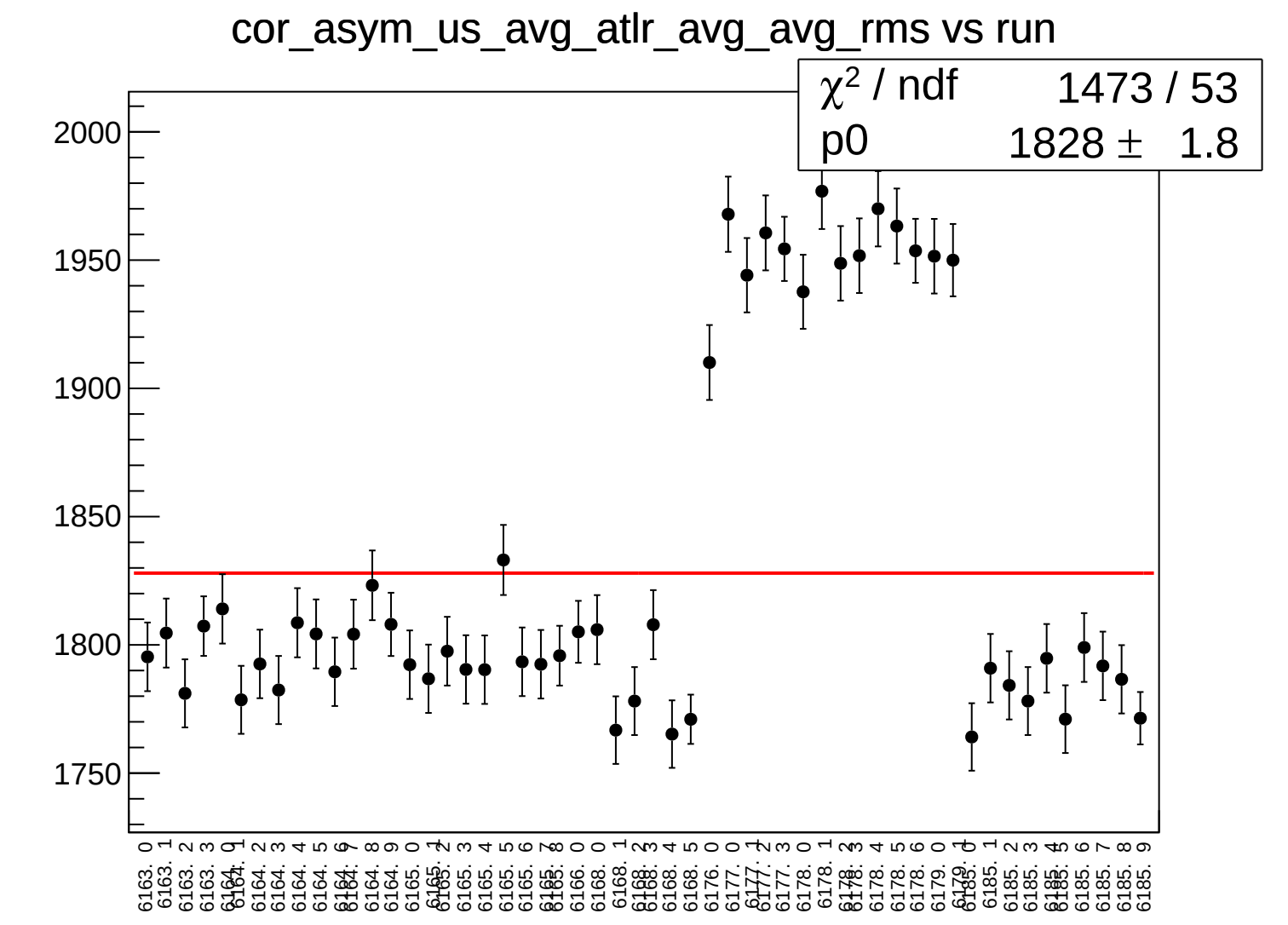

reg_asym_us_avg_atlr_avg_avg_rms vs run
χ² / ndf 1473 / 53
p0 1828 ± 1.8
2000
1950
1900
1850
1800
1750
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

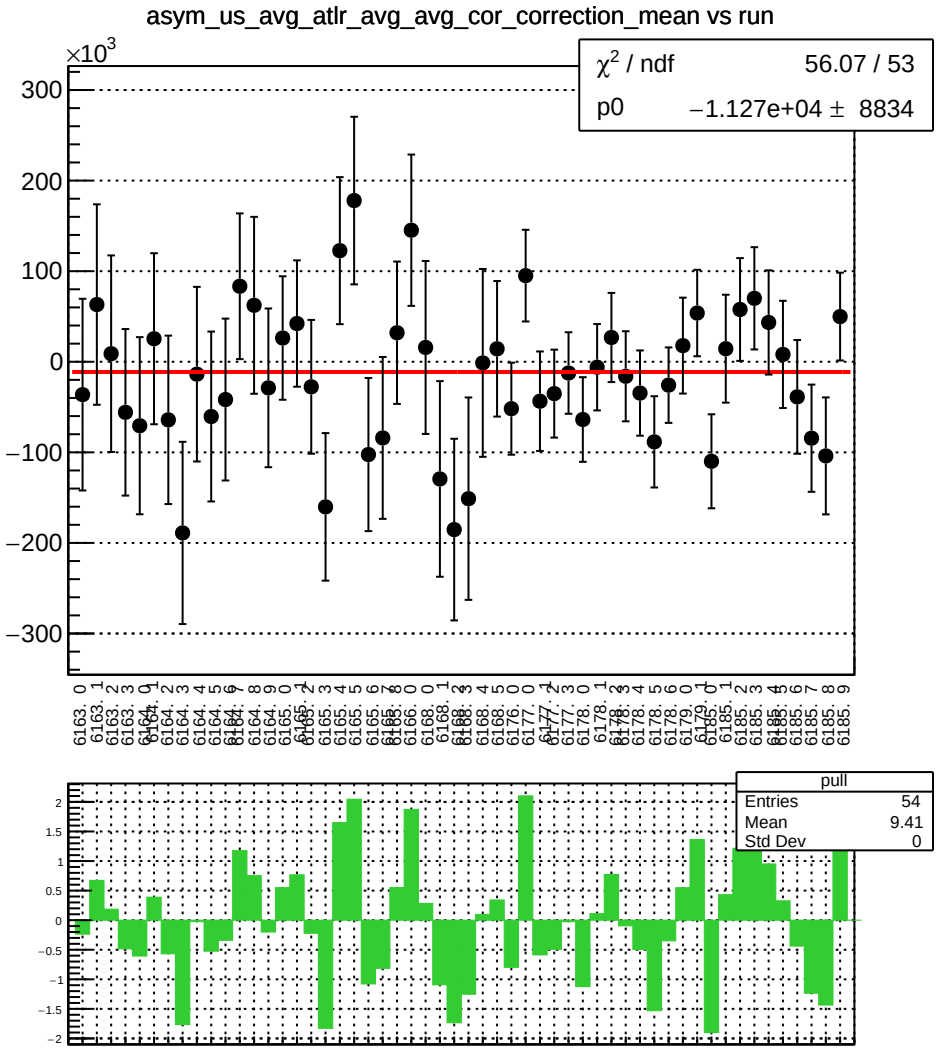

asym_us_avg_atlr_avg_avg_reg_correction_mean vs run
×10^3
χ² / ndf 56.07 / 53
p0 −1.127e+04 ± 8834
pull
Entries 54
Mean 9.41
Std Dev 0
pull1D
Entries 54
Mean −0.02641
Std Dev 1.019

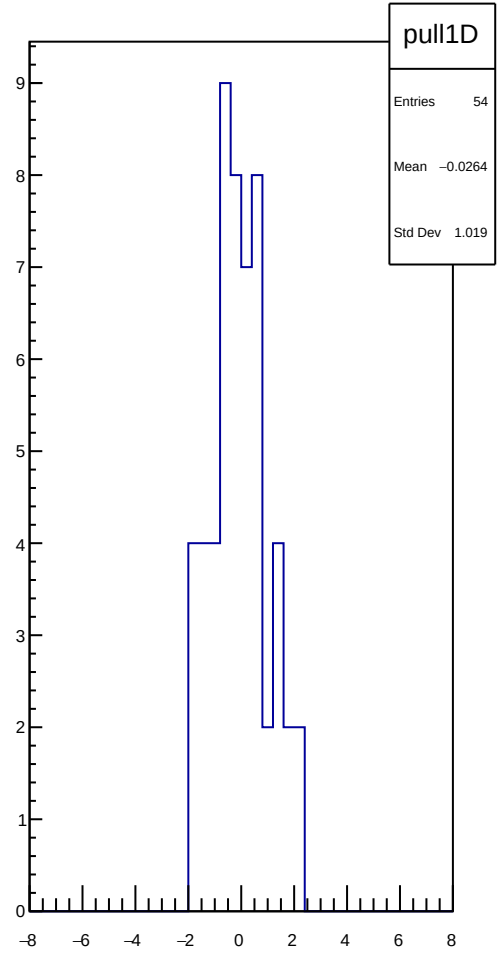

asym_us_avg_atlr_avg_avg_reg_correction_rms vs run
χ² / ndf 8.494e+04 / 53
p0 6082 ± 6.247
11000
10000
9000
8000
7000
6000
5000
4000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

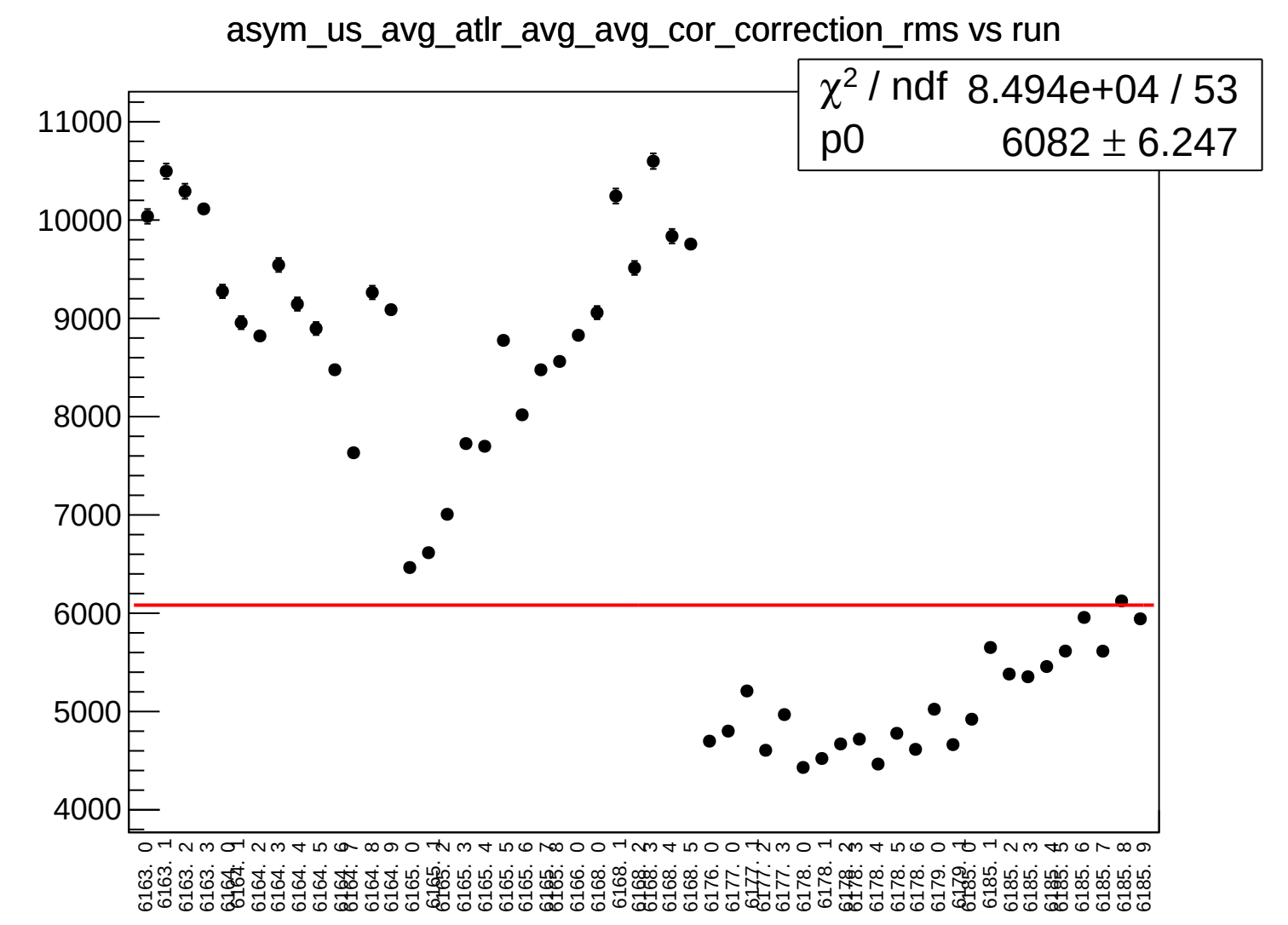

cor_asym_us_avg_atlr_avg_avg_mean vs run
χ² / ndf 64.4 / 53
p0 5505 ± 2545
pull
Entries 54
Mean 1124
Std Dev 0

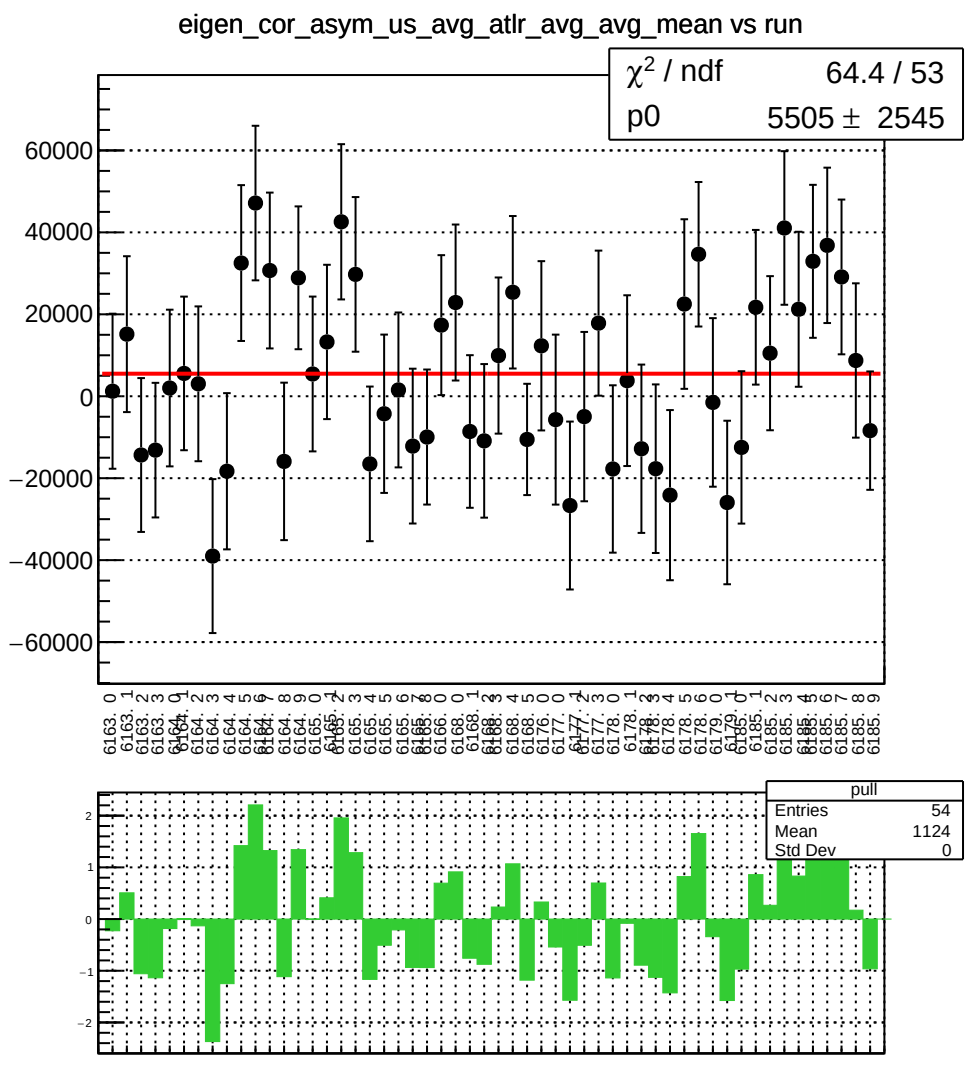

pull1D
Entries 54
Mean 0.001823
Std Dev 1.092

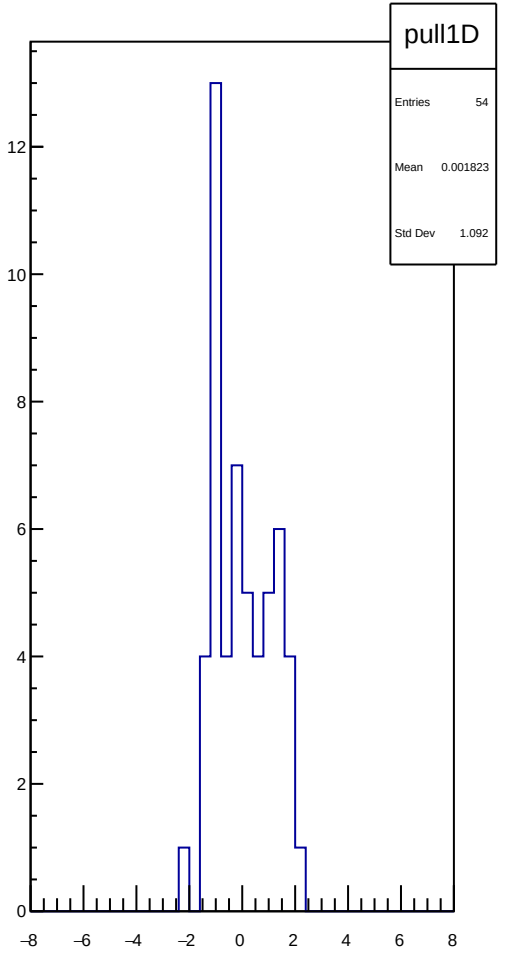

cor_asym_us_avg_atlr_avg_avg_rms vs run
χ² / ndf 1473 / 53
p0 1828 ± 1.8
2000
1950
1900
1850
1800
1750
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

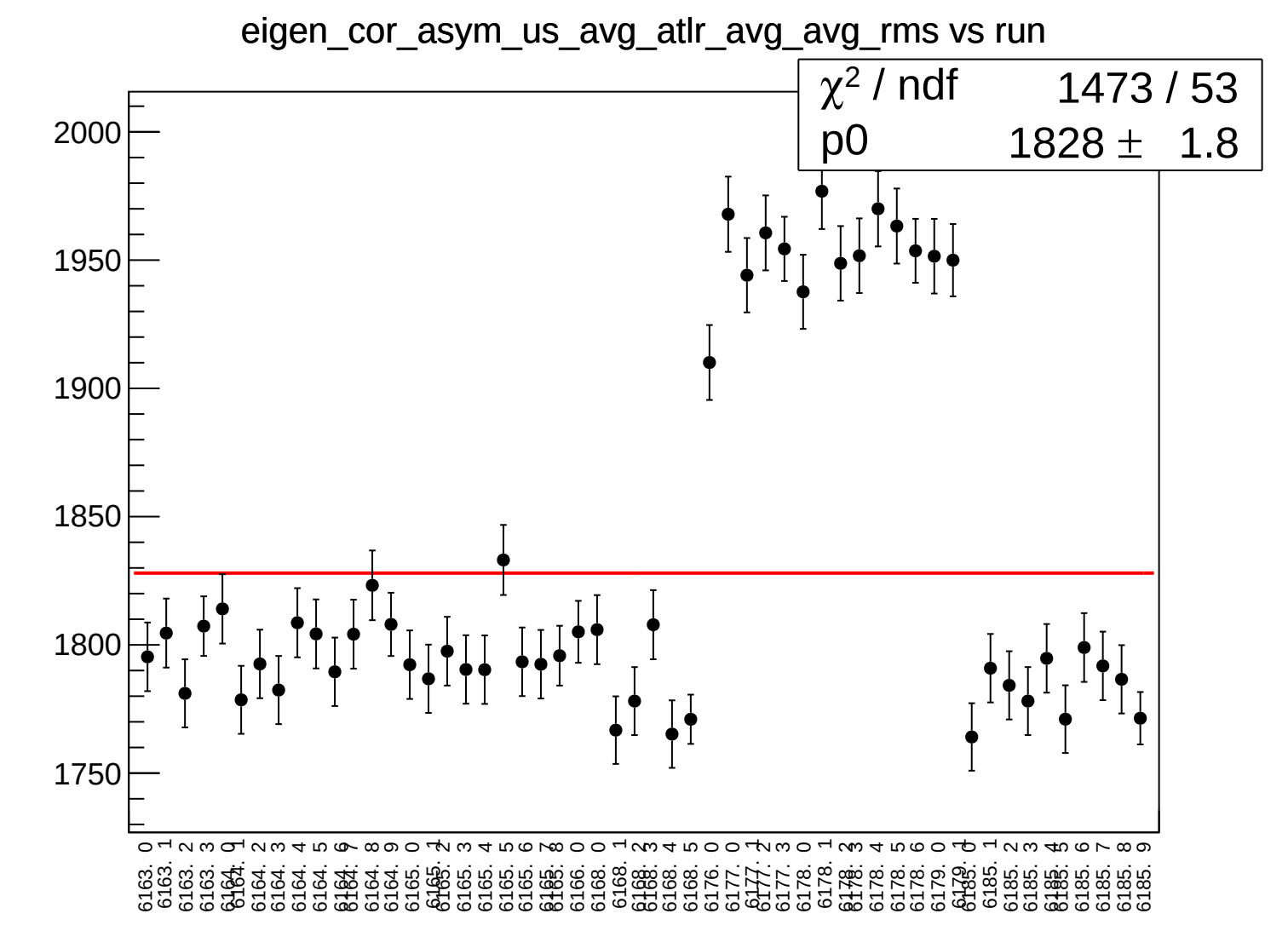

asym_us_avg_atlr_avg_avg_cor_correction_mean vs run
×10^3
χ² / ndf 56.07 / 53
p0 −1.127e+04 ± 8834
pull
Entries 54
Mean 9.41
Std Dev 0

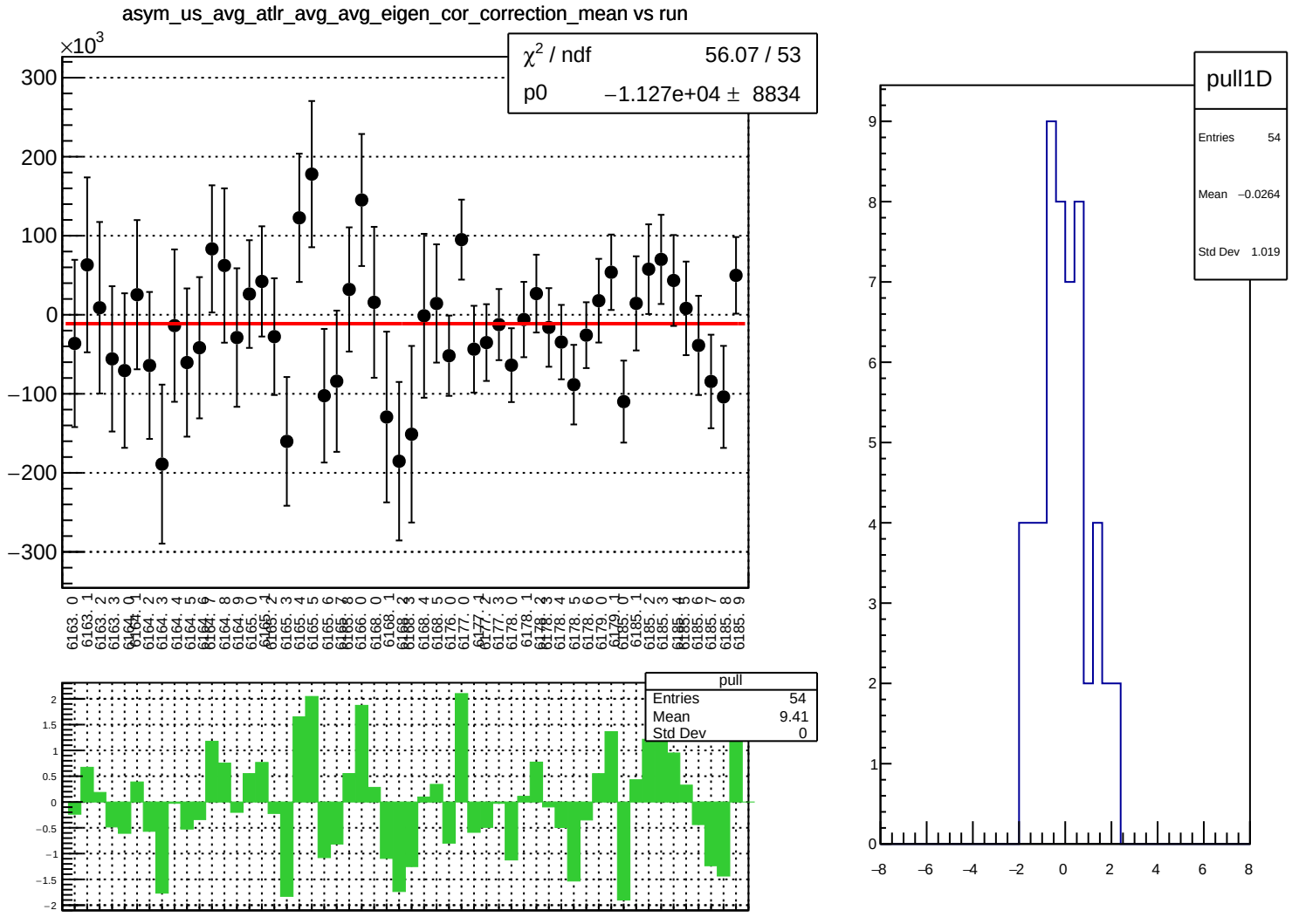

pull1D
Entries 54
Mean −0.0264
Std Dev 1.019

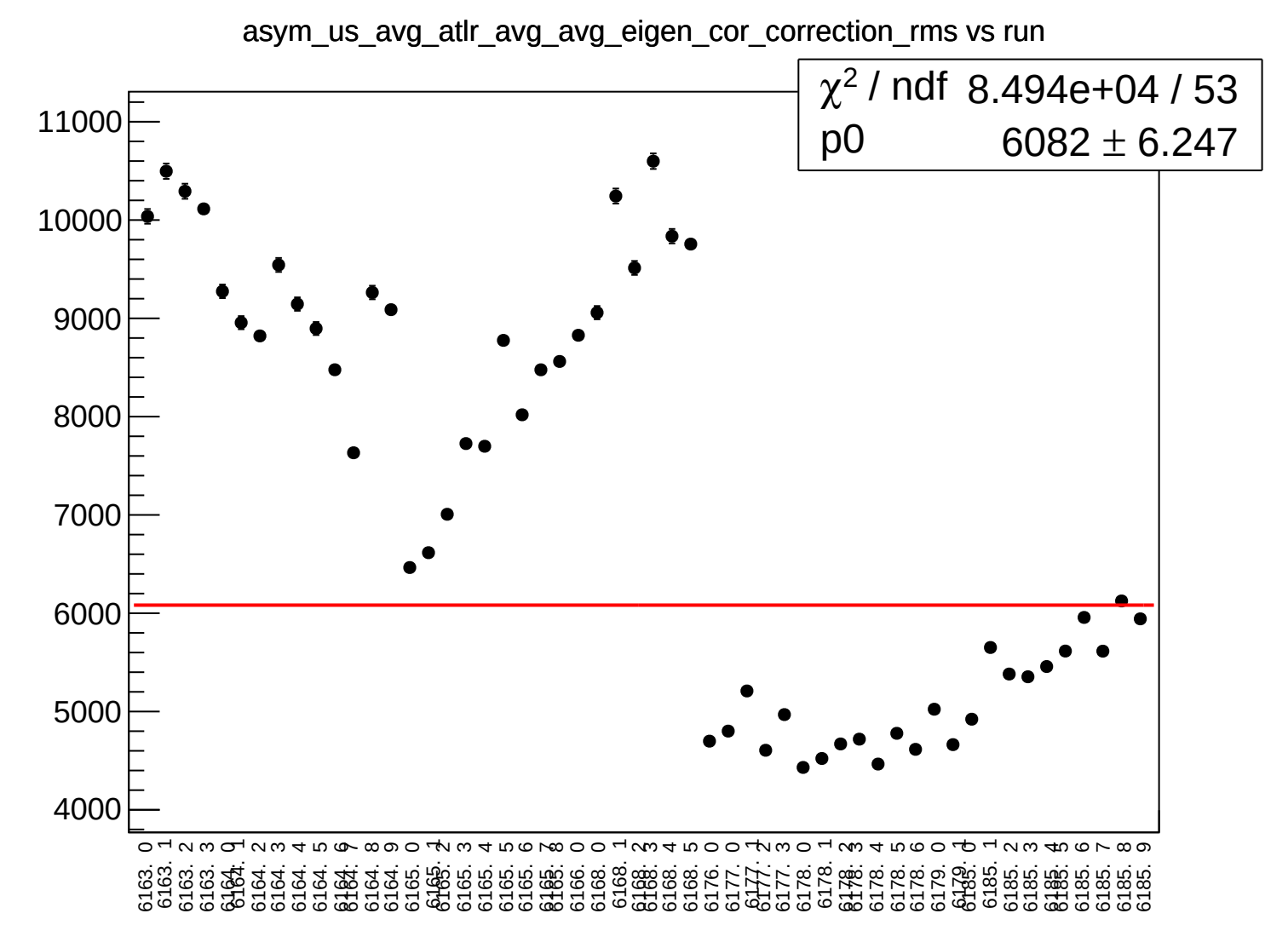

asym_us_avg_atlr_avg_avg_cor_correction_rms vs run
χ² / ndf 8.494e+04 / 53
p0 6082 ± 6.247
11000
10000
9000
8000
7000
6000
5000
4000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

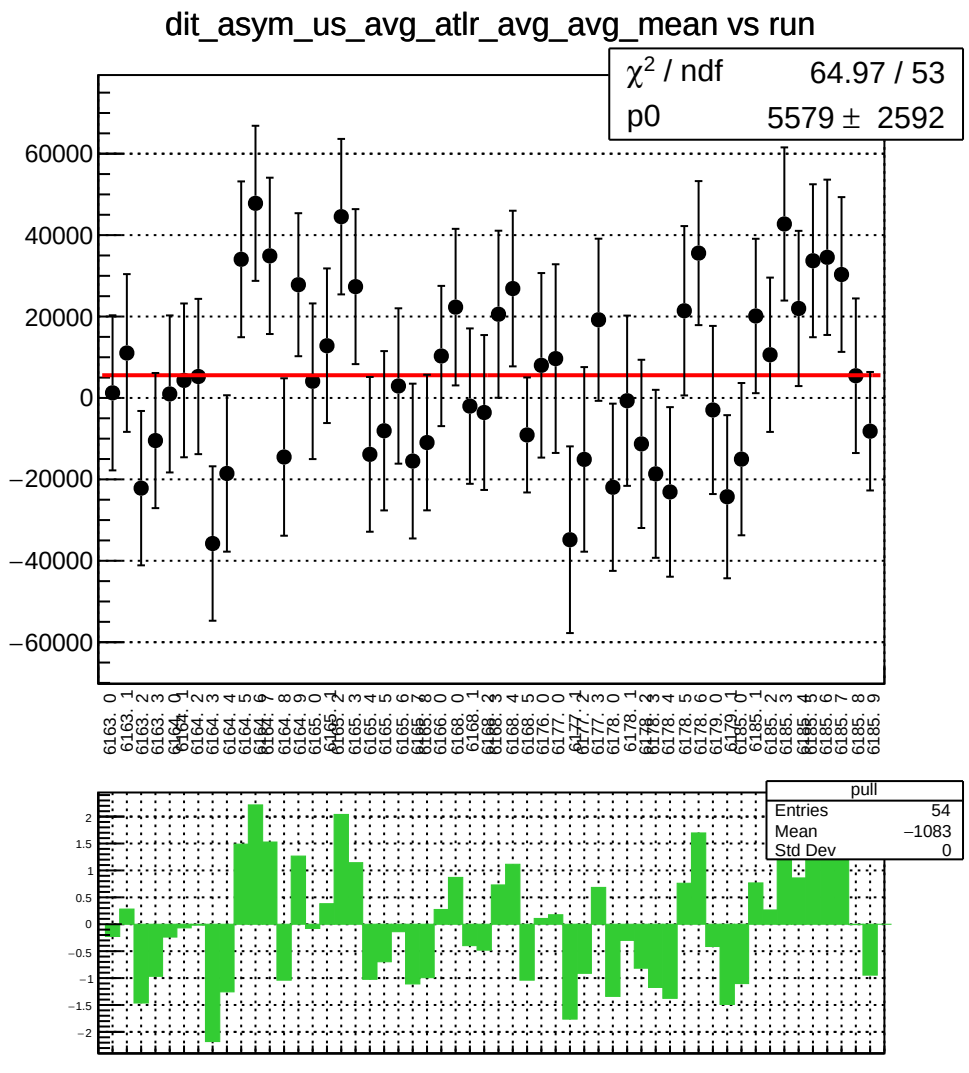

eigen_cor_asym_us_avg_atlr_avg_avg_mean vs run
χ² / ndf 64.4 / 53
p0 5505 ± 2545
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 1124
Std Dev 0
2
1
0
−1
−2

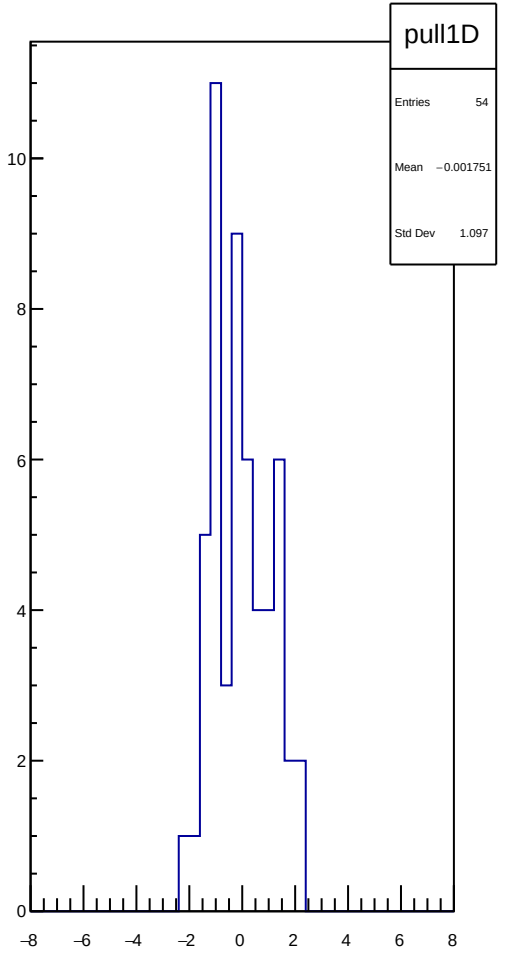

pull1D
Entries 54
Mean 0.001823
Std Dev 1.092
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

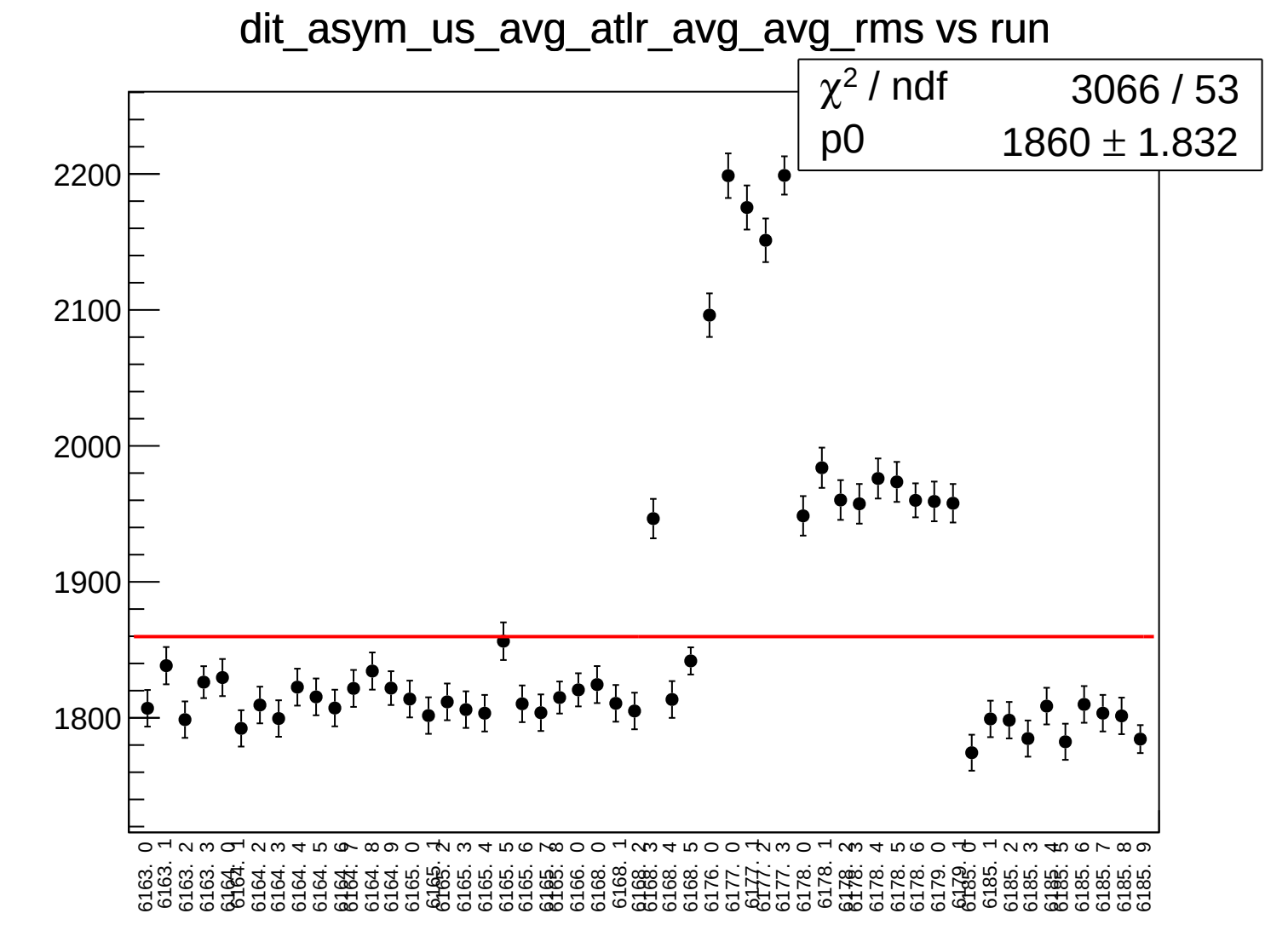

eigen_cor_asym_us_avg_atlr_avg_avg_rms vs run
χ² / ndf 1473 / 53
p0 1828 ± 1.8
2000
1950
1900
1850
1800
1750
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

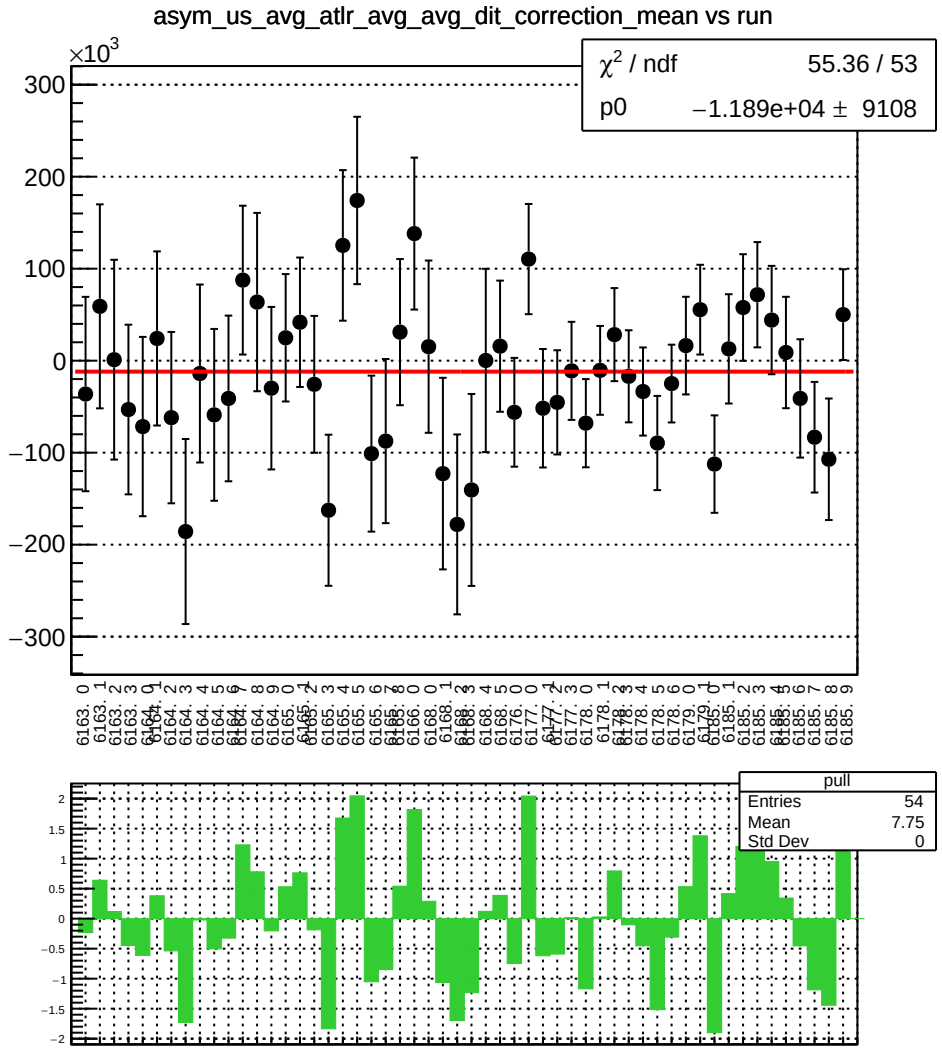

asym_us_avg_atlr_avg_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 56.07 / 53
p0 −1.127e+04 ± 8834
pull
Entries 54
Mean 9.41
Std Dev 0
pull1D
Entries 54
Mean −0.0264
Std Dev 1.019

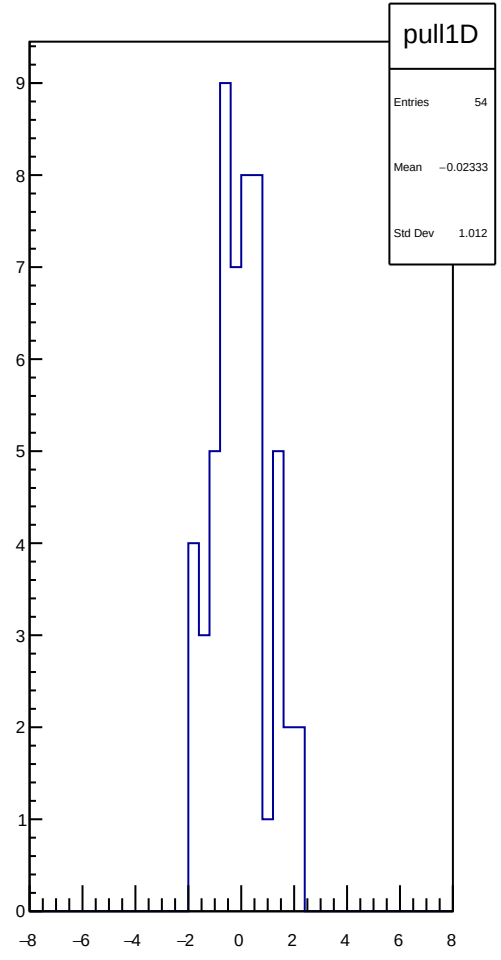

asym_us_avg_atlr_avg_avg_eigen_cor_correction_rms vs run
χ² / ndf 8.494e+04 / 53
p0 6082 ± 6.247
11000
10000
9000
8000
7000
6000
5000
4000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

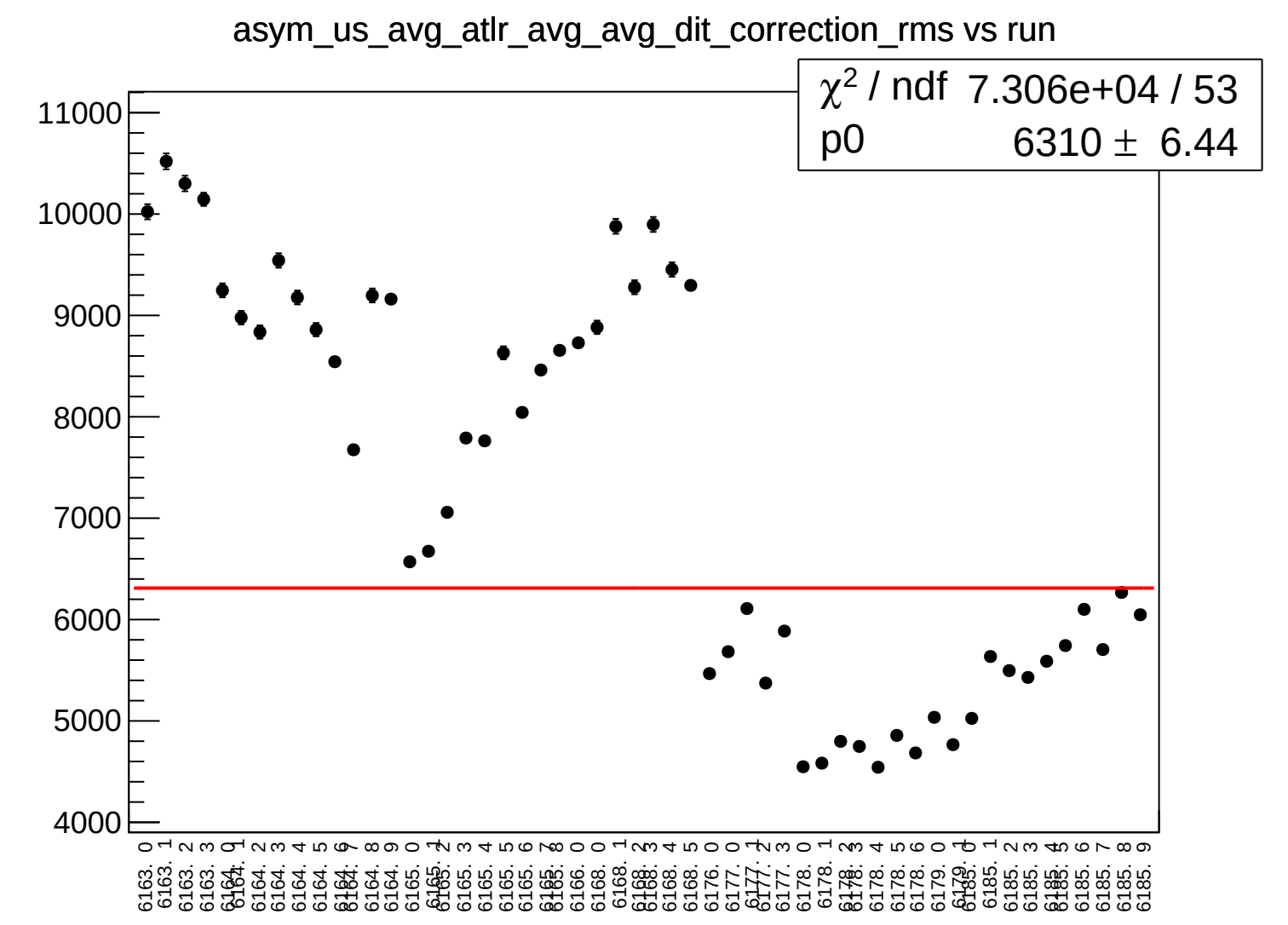

dit_asym_us_avg_atlr_avg_avg_mean vs run
χ² / ndf 64.97 / 53
p0 5579 ± 2592
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean −1083
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

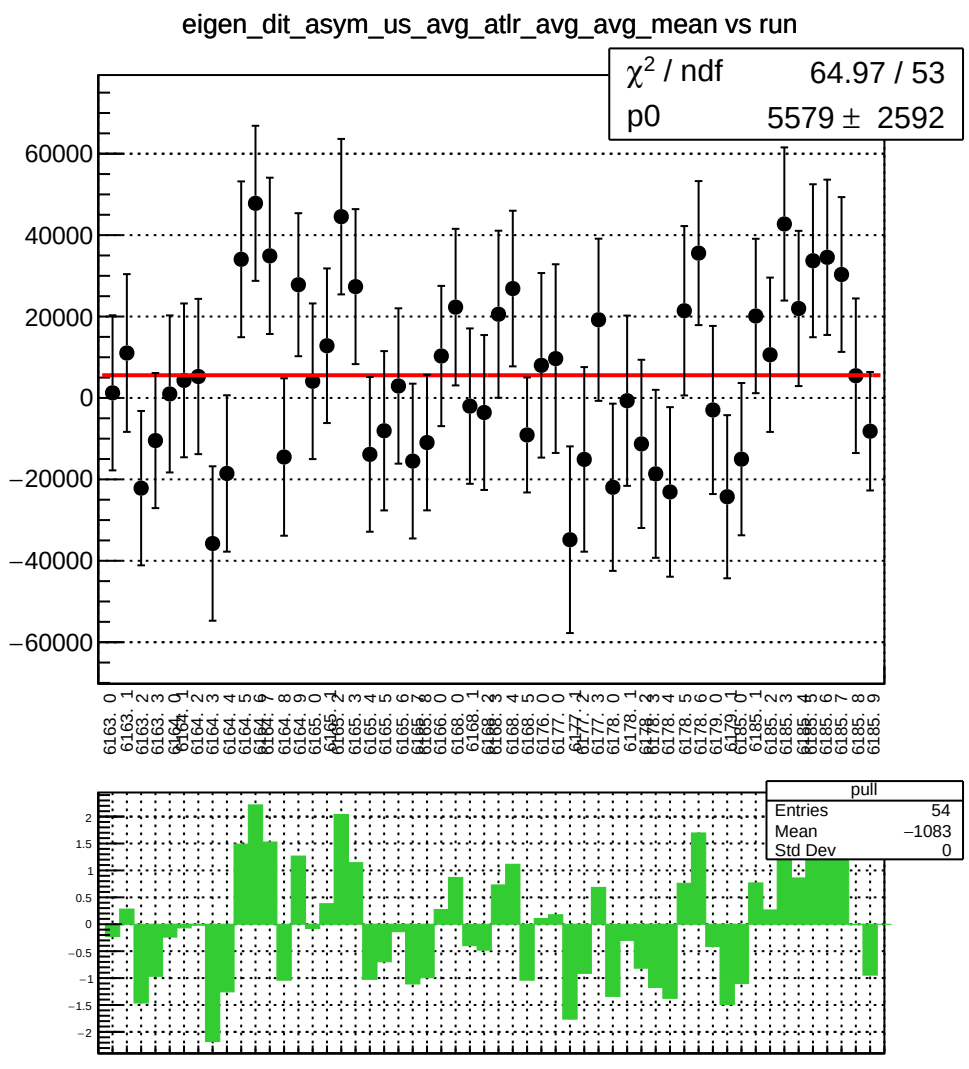

pull1D
Entries 54
Mean −0.001751
Std Dev 1.097
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

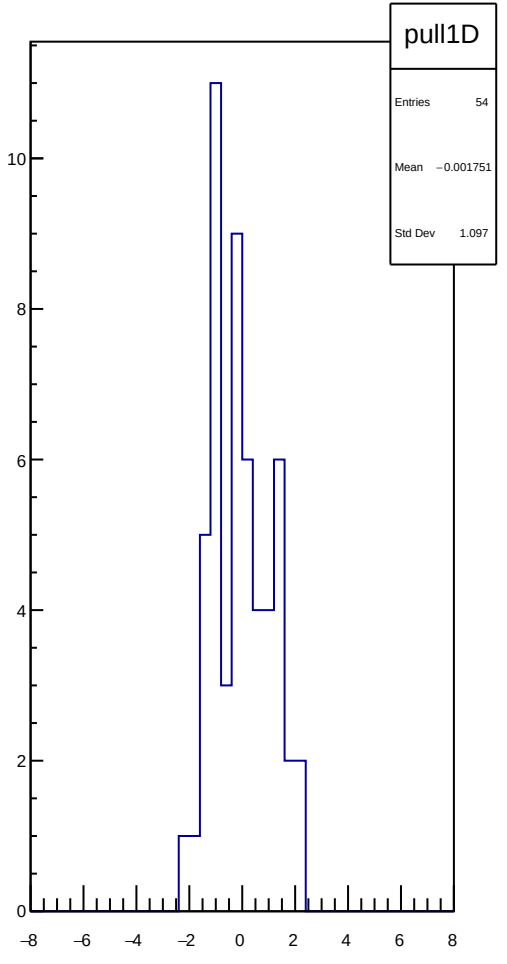

dit_asym_us_avg_atlr_avg_avg_rms vs run
χ² / ndf 3066 / 53
p0 1860 ± 1.832
2200
2100
2000
1900
1800
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

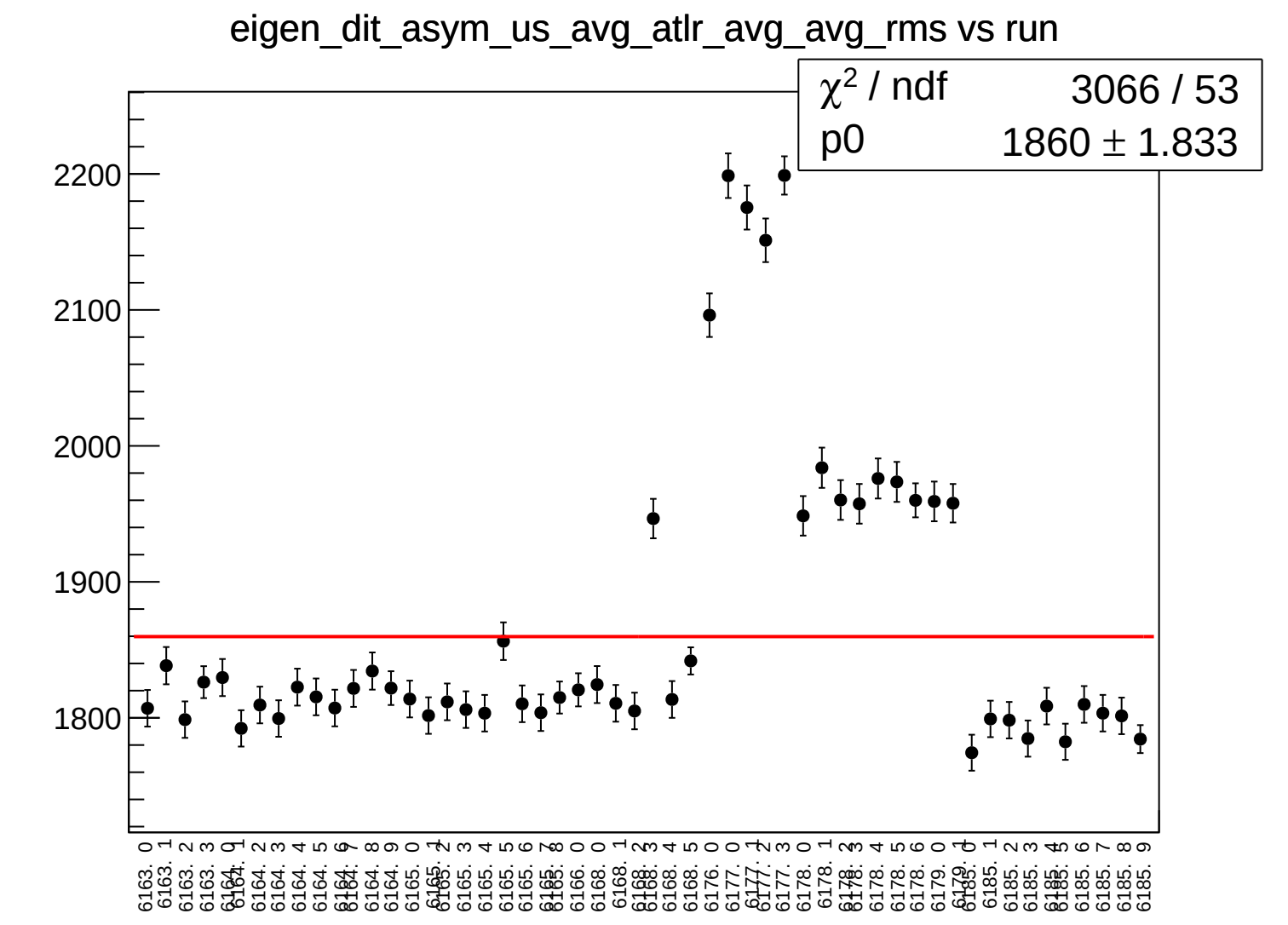

asym_us_avg_atlr_avg_avg_dit_correction_mean vs run
×10^3
χ² / ndf 55.36 / 53
p0 −1.189e+04 ± 9108
pull
Entries 54
Mean 7.75
Std Dev 0

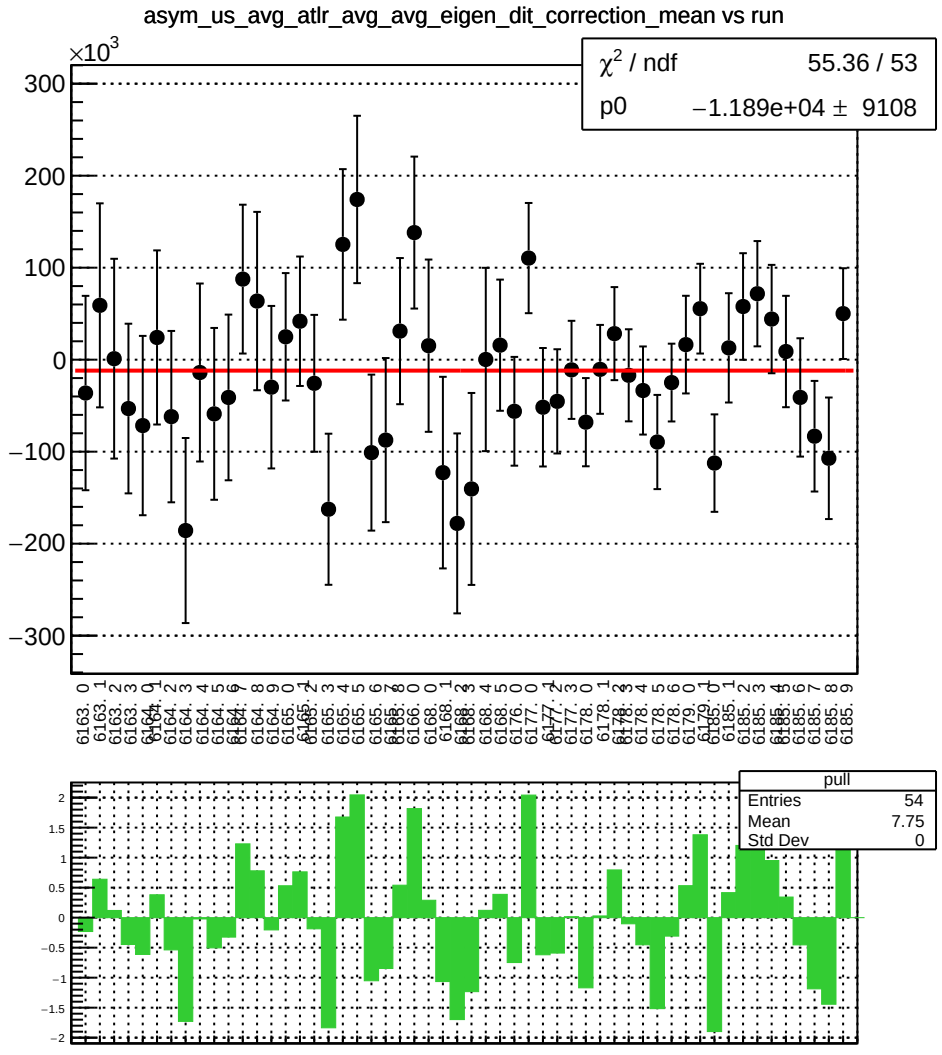

pull1D
Entries 54
Mean −0.02333
Std Dev 1.012

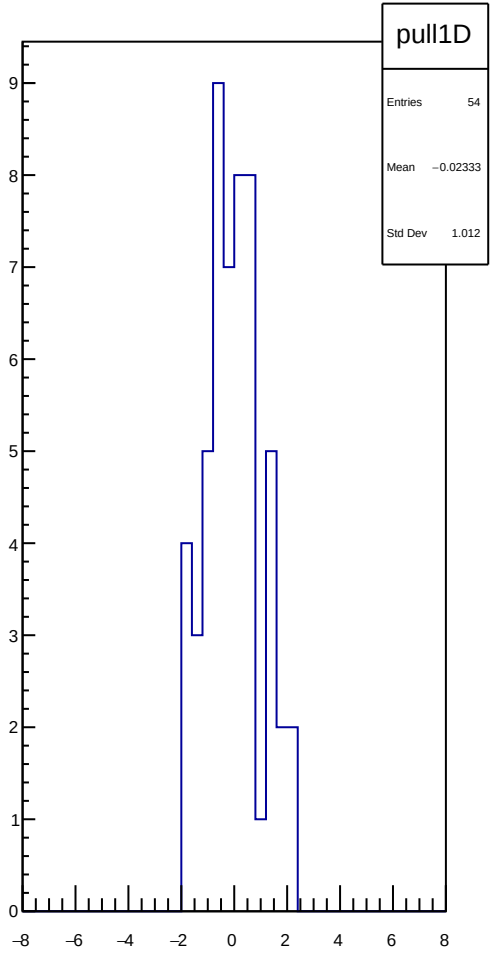

asym_us_avg_atlr_avg_avg_dit_correction_rms vs run
χ² / ndf 7.306e+04 / 53
p0 6310 ± 6.44
11000
10000
9000
8000
7000
6000
5000
4000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

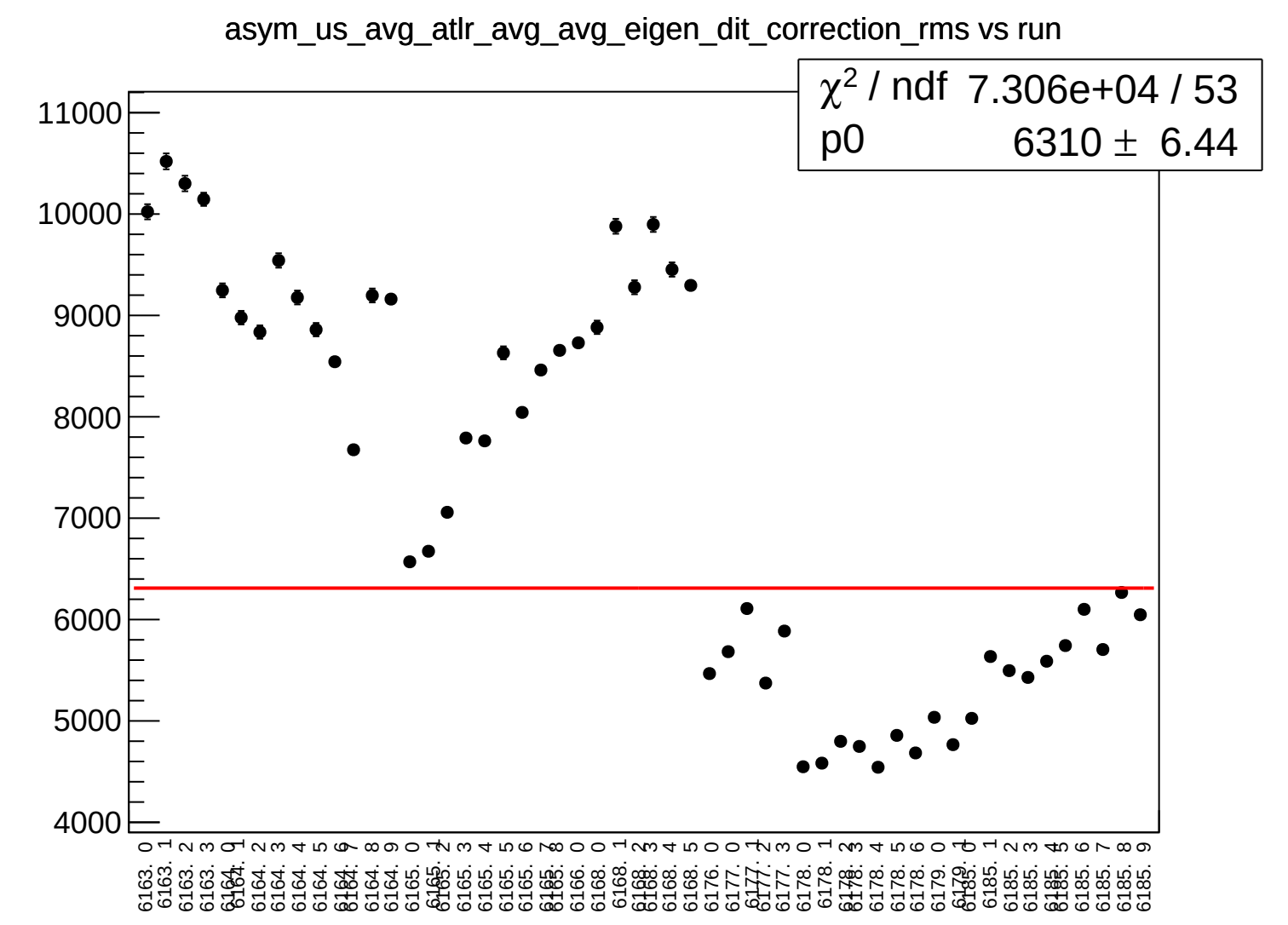

eigen_dit_asym_us_avg_atlr_avg_avg_mean vs run
χ² / ndf 64.97 / 53
p0 5579 ± 2592
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean −1083
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

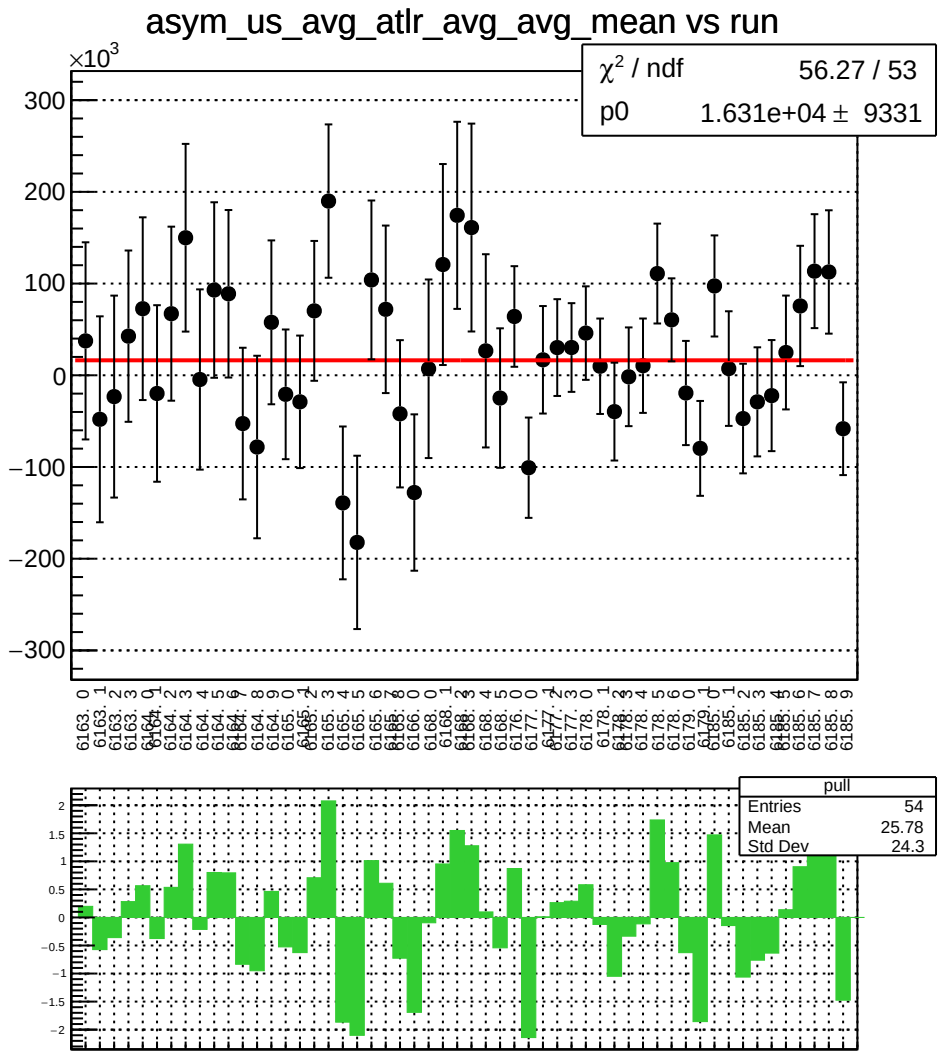

pull1D
Entries 54
Mean −0.001751
Std Dev 1.097
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

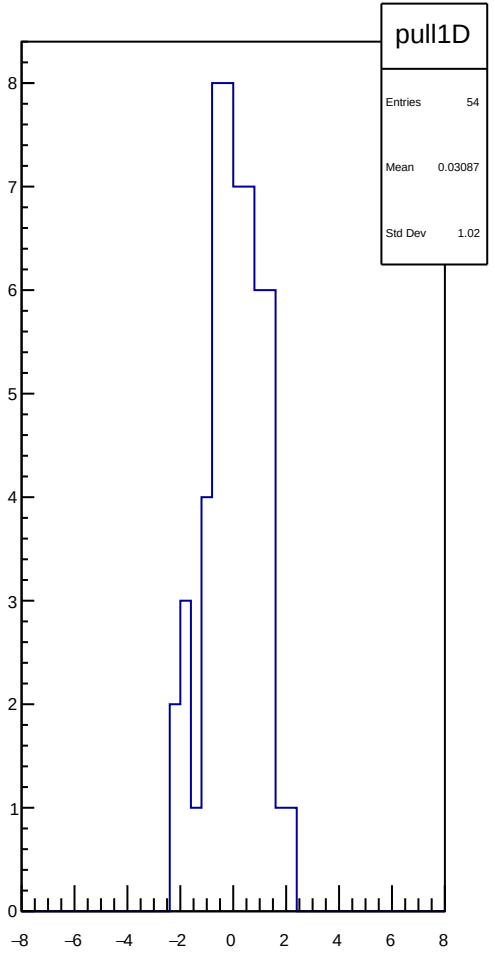

eigen_dit_asym_us_avg_atlr_avg_avg_rms vs run
χ² / ndf 3066 / 53
p0 1860 ± 1.833
2200
2100
2000
1900
1800
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

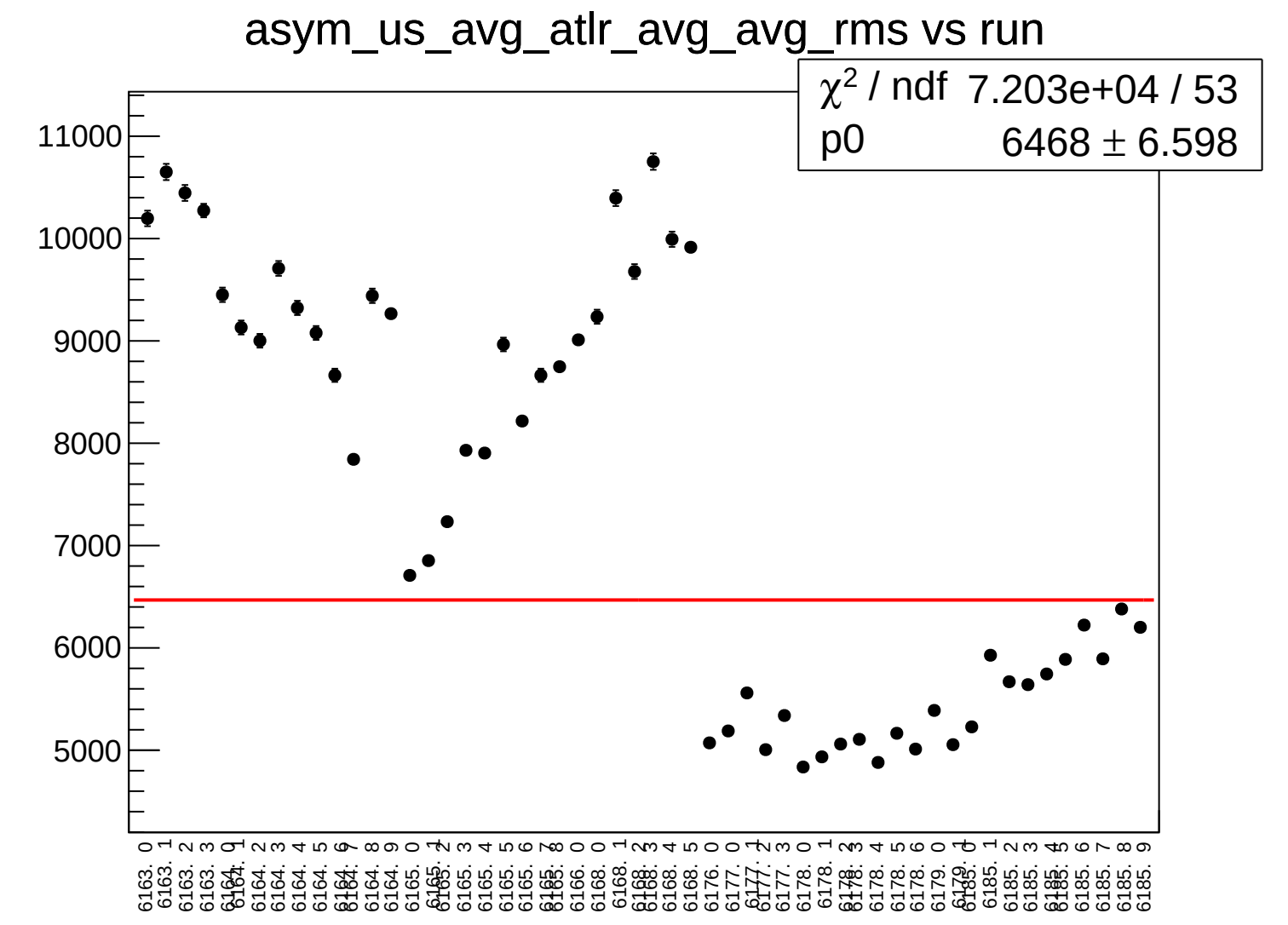

asym_us_avg_atlr_avg_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 55.36 / 53
p0 −1.189e+04 ± 9108
pull
Entries 54
Mean 7.75
Std Dev 0


pull1D
Entries 54
Mean −0.02333
Std Dev 1.012


asym_us_avg_atlr_avg_avg_eigen_dit_correction_rms vs run
χ² / ndf 7.306e+04 / 53
p0 6310 ± 6.44
11000
10000
9000
8000
7000
6000
5000
4000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


asym_us_avg_atlr_avg_avg_mean vs run
×10^3
χ² / ndf 56.27 / 53
p0 1.631e+04 ± 9331
pull
Entries 54
Mean 25.78
Std Dev 24.3


pull1D
Entries 54
Mean 0.03087
Std Dev 1.02


asym_us_avg_atlr_avg_avg_rms vs run
χ^2 / ndf 7.203e+04 / 53
p0 6468 ± 6.598
11000
10000
9000
8000
7000
6000
5000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
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6179. 0
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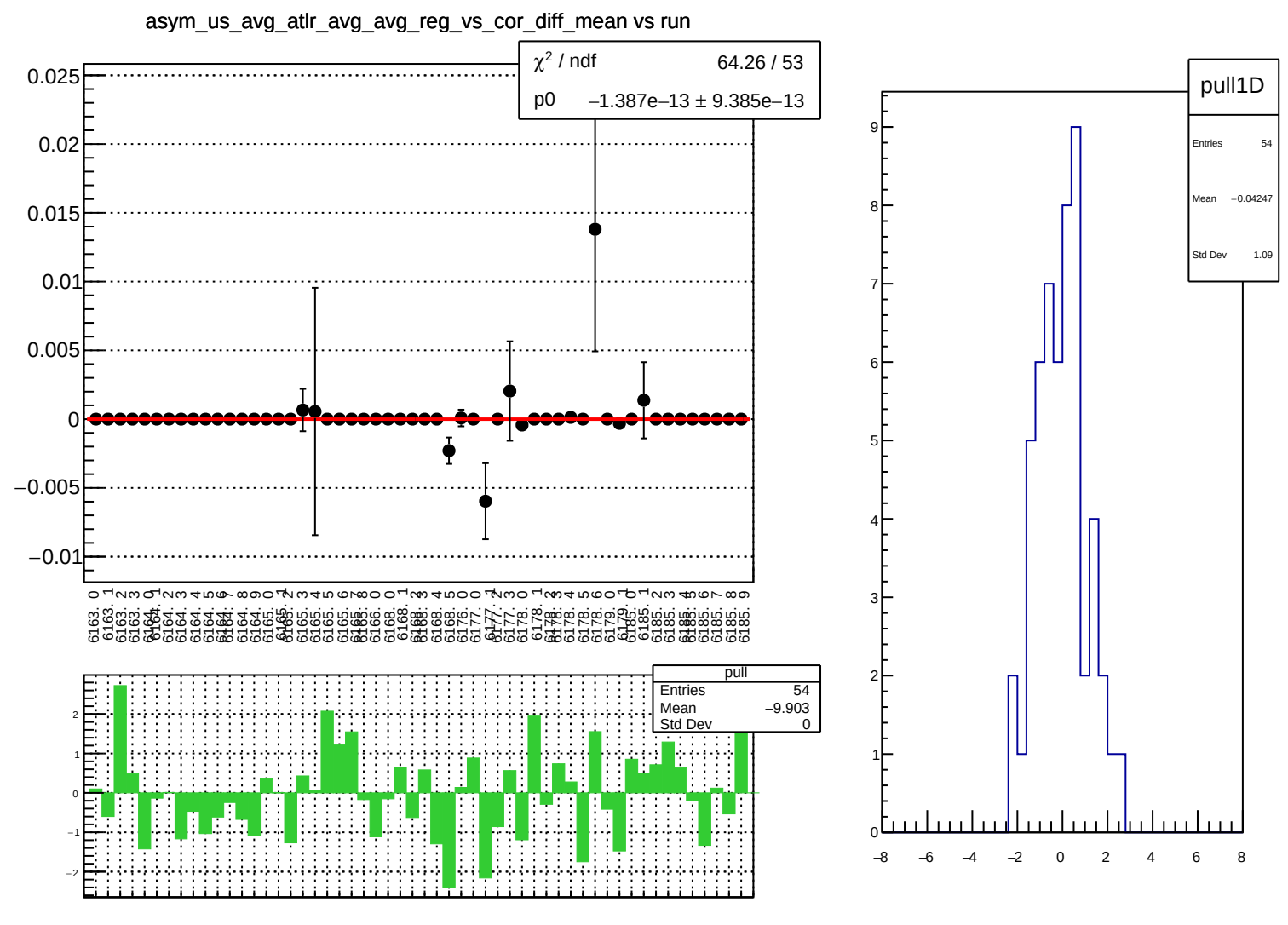
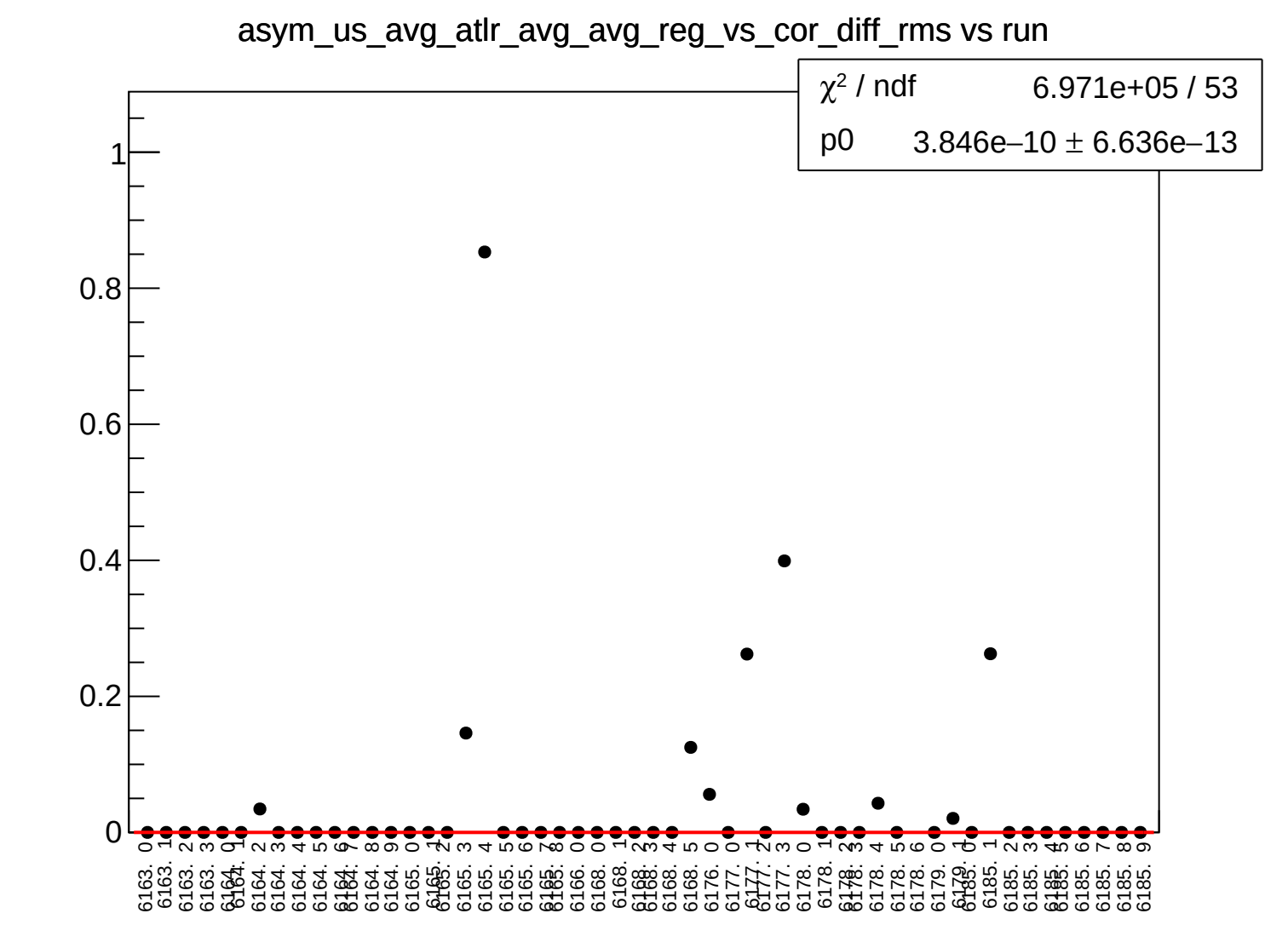
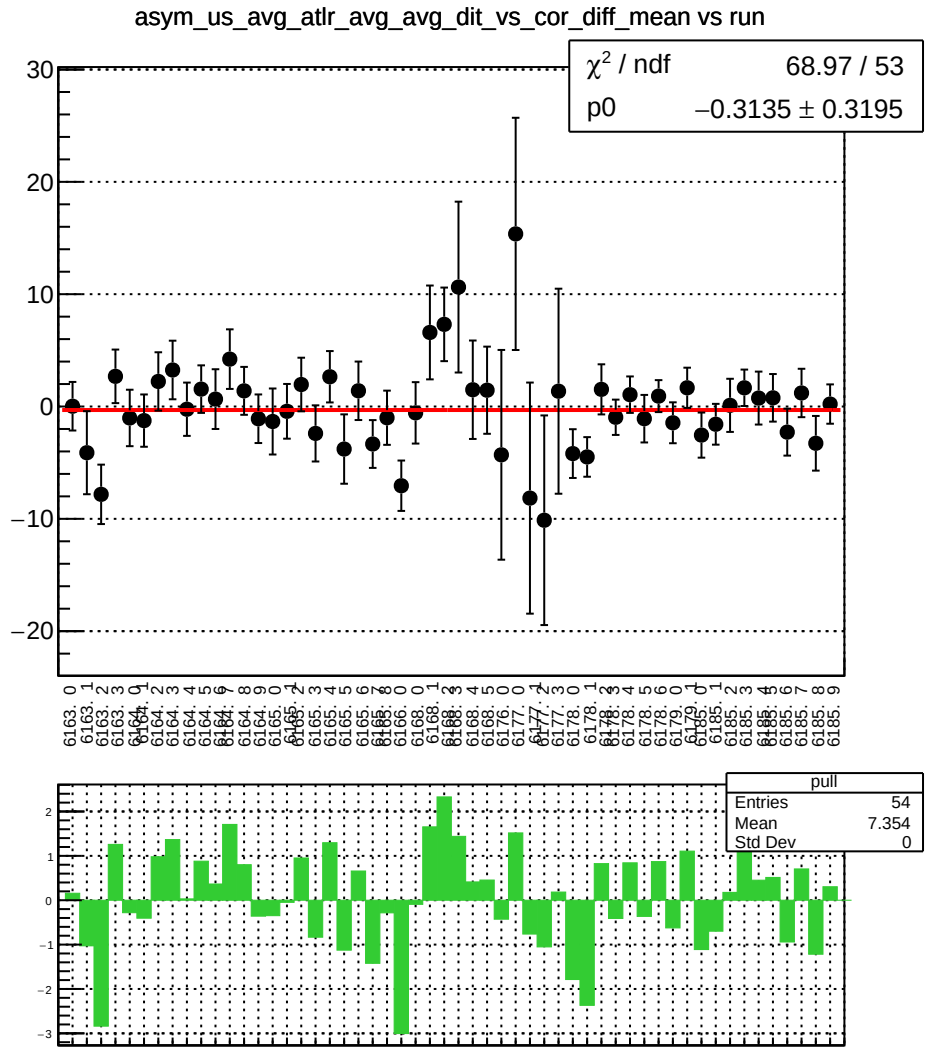
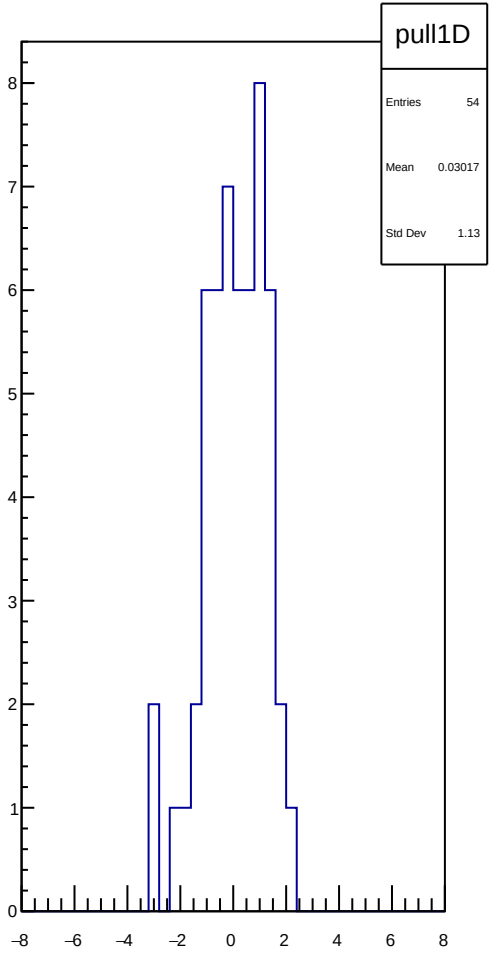
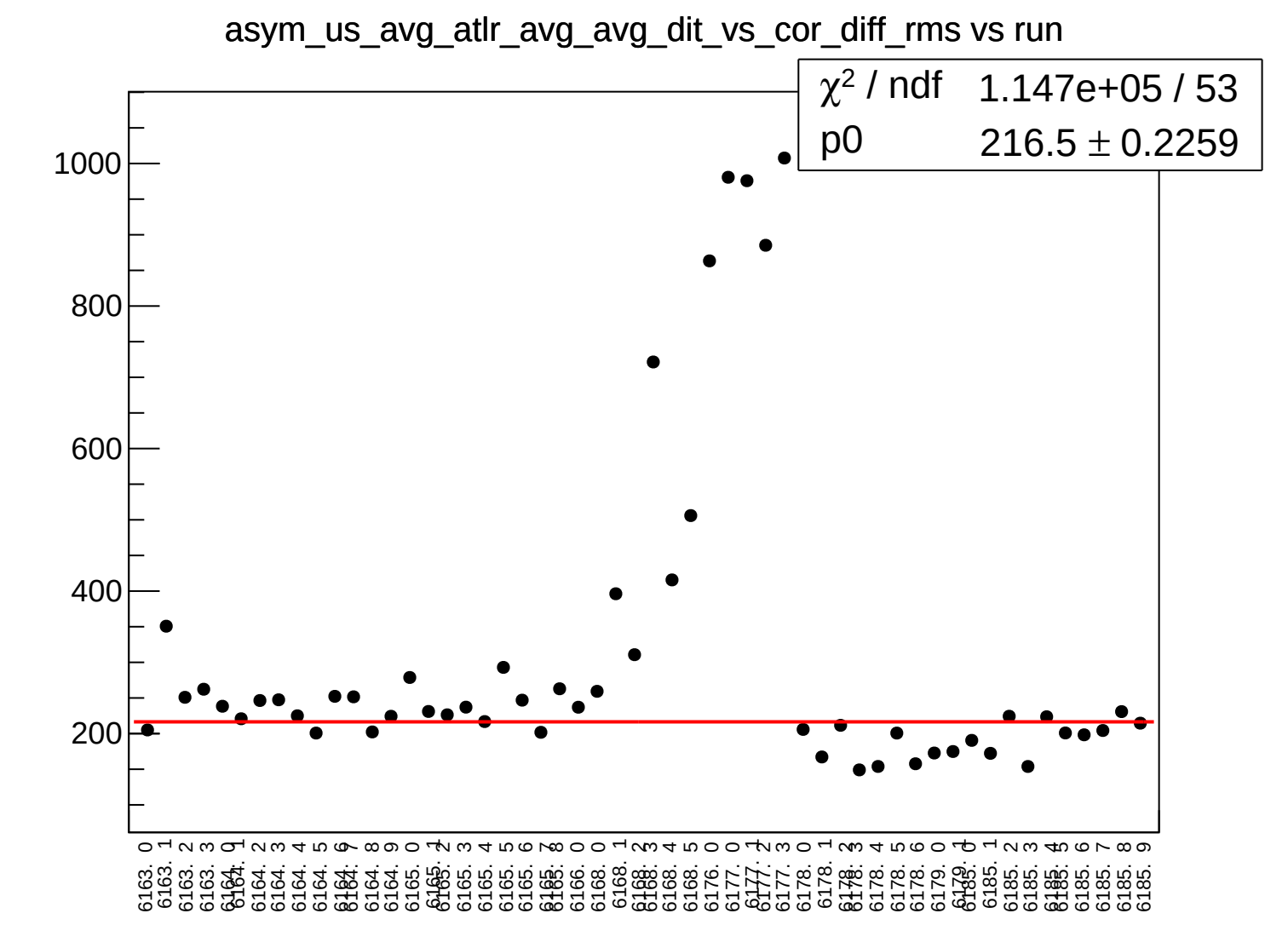
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

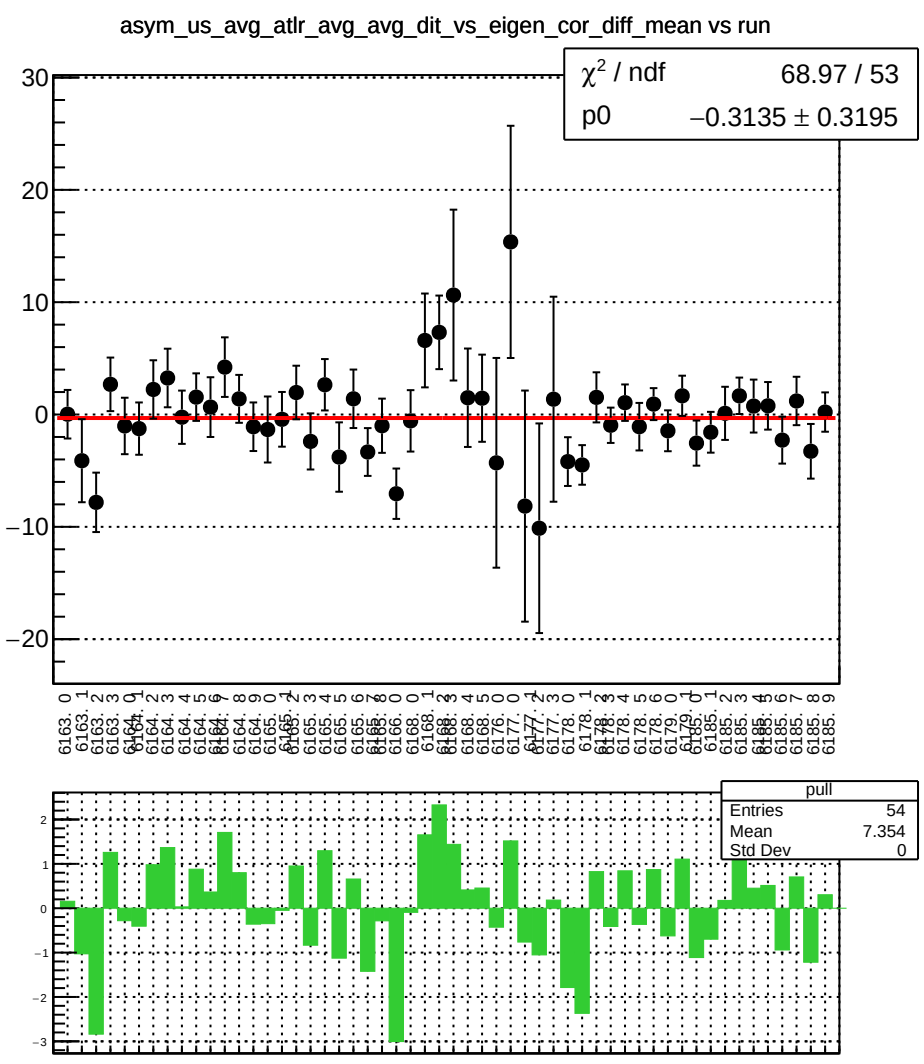

asym_us_avg_atlr_avg_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 64.26 / 53
p0 −1.387e−13 ± 9.385e−13
pull
Entries 54
Mean −9.903
Std Dev 0
pull1D
Entries 54
Mean −0.04247
Std Dev 1.09

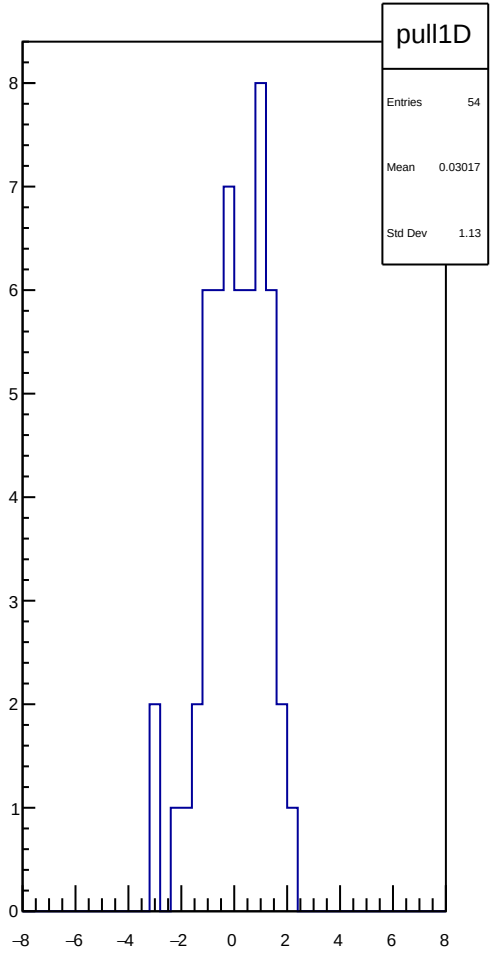

asym_us_avg_atlr_avg_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.971e+05 / 53
p0 3.846e−10 ± 6.636e−13
1
0.8
0.6
0.4
0.2
0
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 6
6164. 7
6164. 8
6164. 9
6165. 0
6165. 1
6165. 2
6165. 3
6165. 4
6165. 5
6165. 6
6165. 7
6165. 8
6166. 0
6168. 0
6168. 1
6168. 2
6168. 3
6168. 4
6168. 5
6176. 0
6177. 0
6177. 1
6177. 2
6177. 3
6178. 0
6178. 1
6178. 2
6178. 3
6178. 4
6178. 5
6178. 6
6179. 0
6179. 1
6185. 0
6185. 1
6185. 2
6185. 3
6185. 4
6185. 5
6185. 6
6185. 7
6185. 8
6185. 9

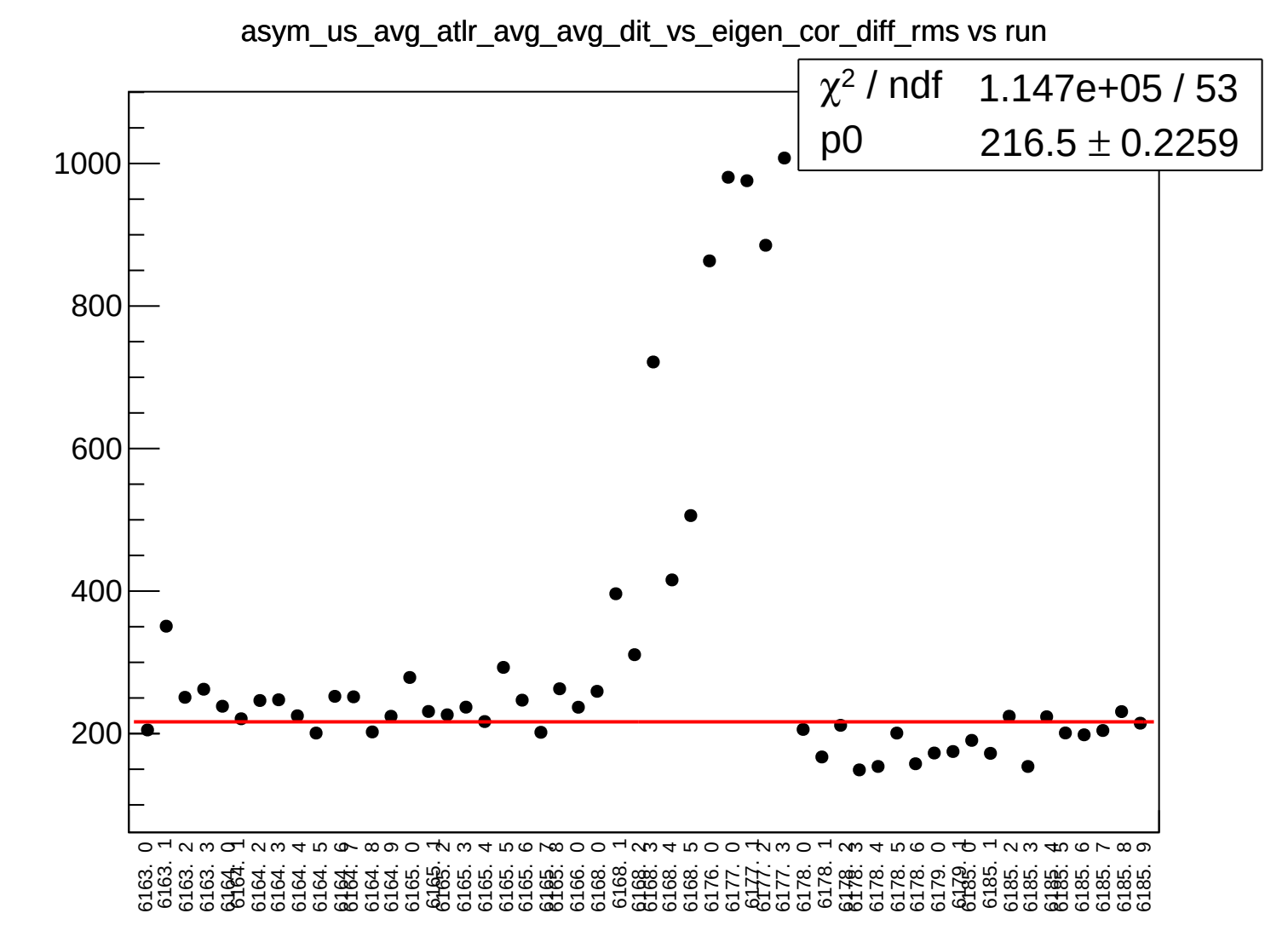

asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 68.97 / 53
p0 −0.3135 ± 0.3195
pull
Entries 54
Mean 7.354
Std Dev 0

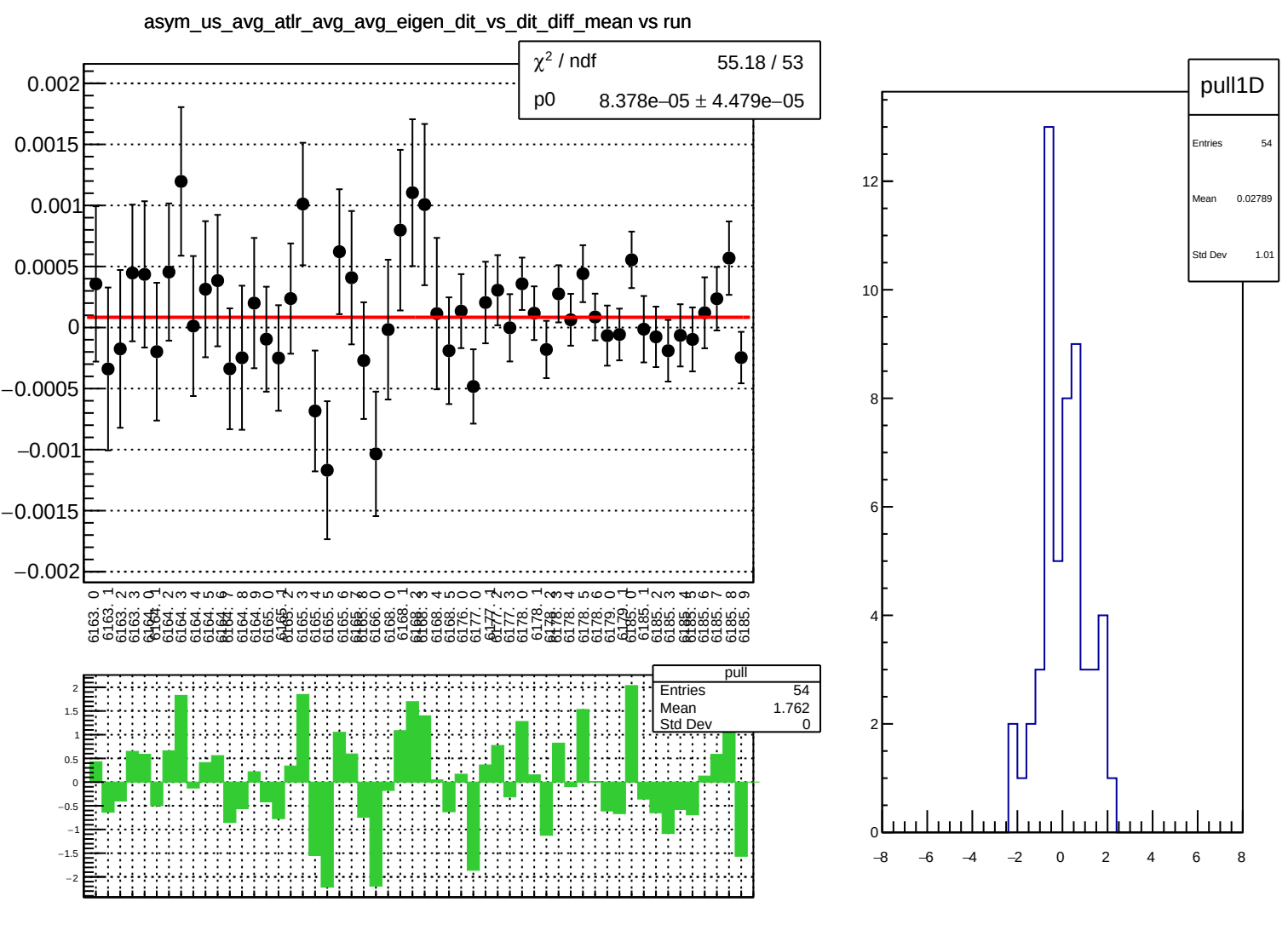

pull1D
Entries 54
Mean 0.03017
Std Dev 1.13

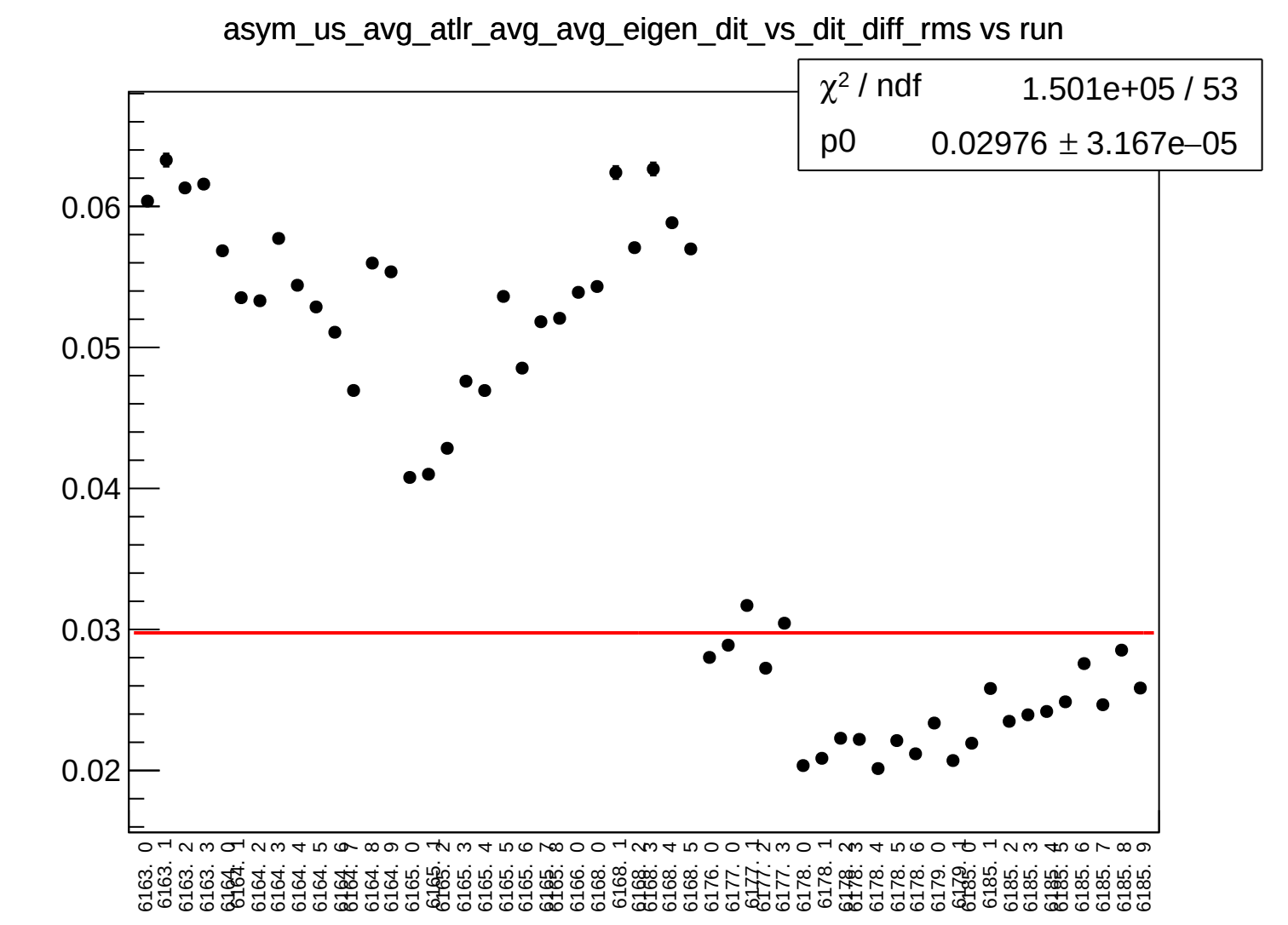

asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.147e+05 / 53
p0 216.5 ± 0.2259
1000
800
600
400
200
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

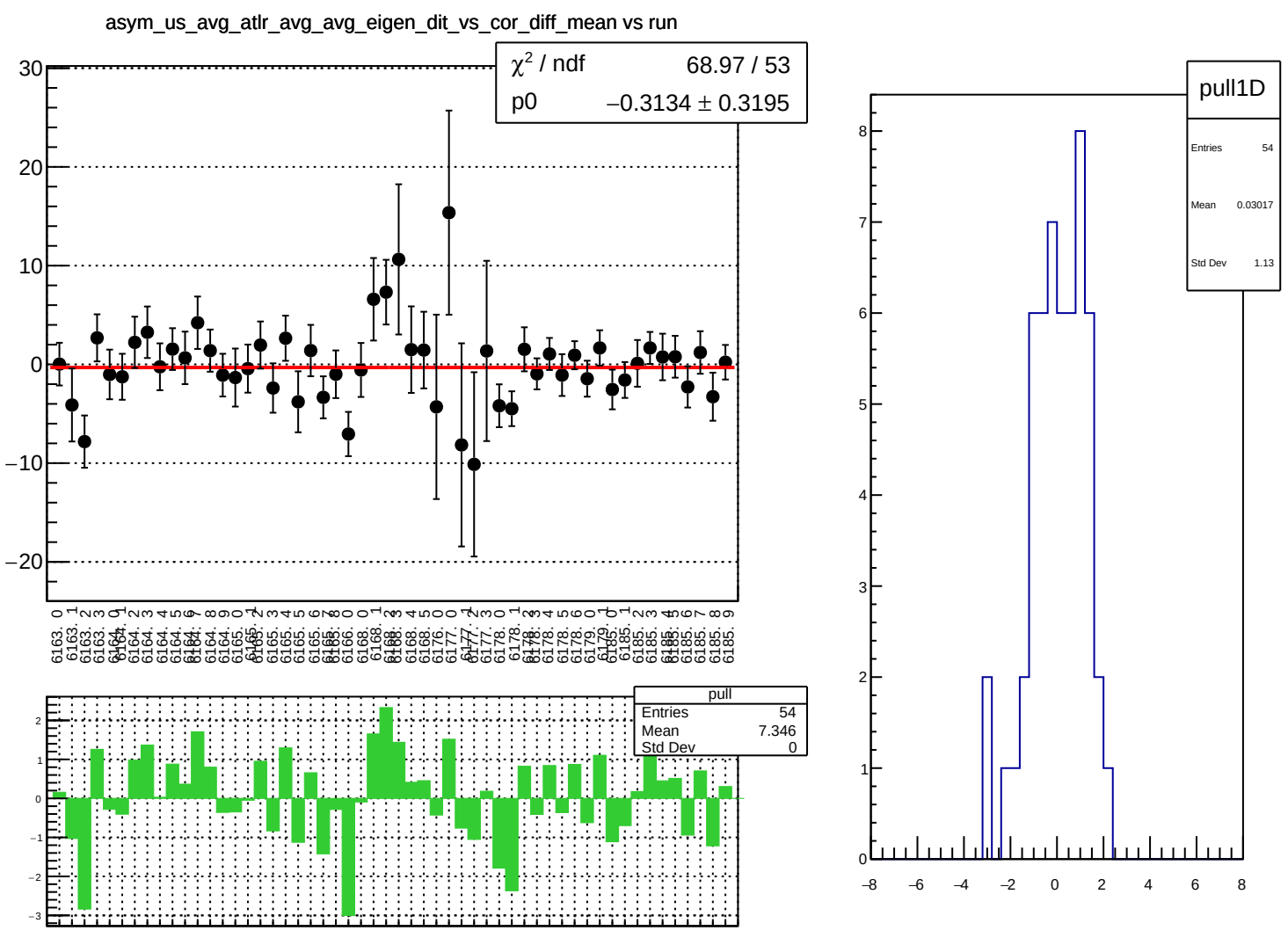

asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 68.97 / 53
p0 −0.3135 ± 0.3195
pull
Entries 54
Mean 7.354
Std Dev 0

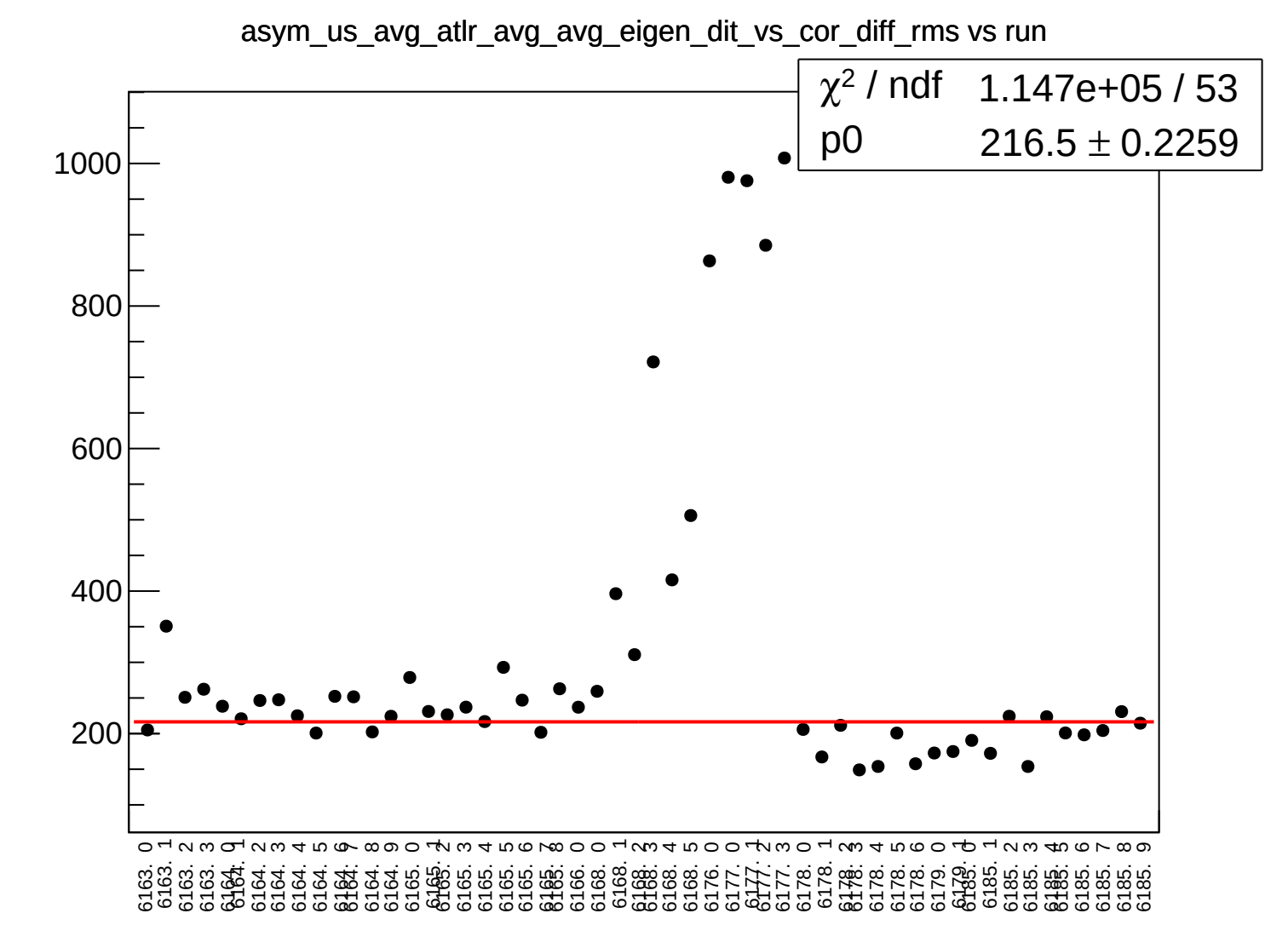

pull1D
Entries 54
Mean 0.03017
Std Dev 1.13

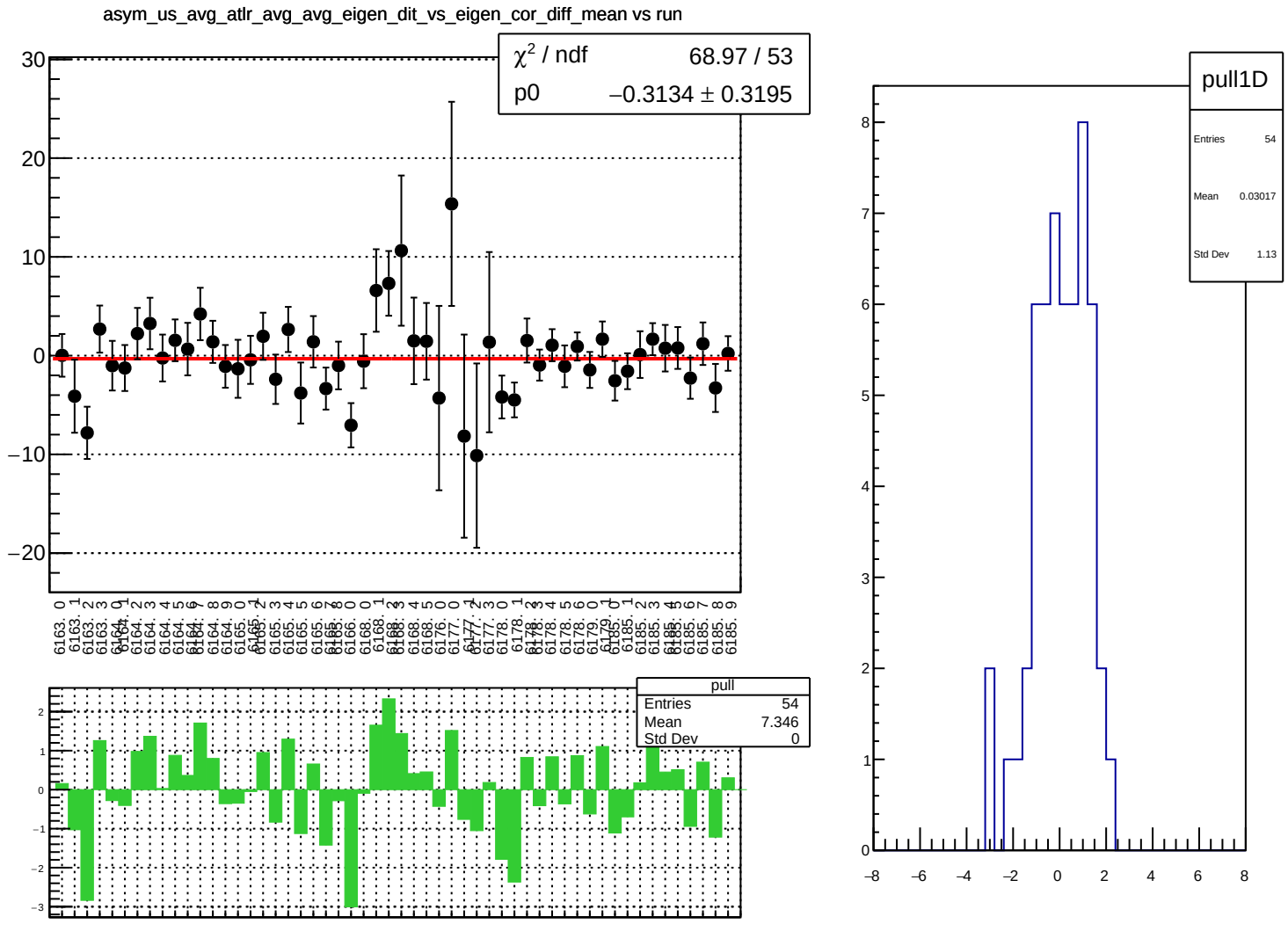

asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.147e+05 / 53
p0 216.5 ± 0.2259
1000
800
600
400
200
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

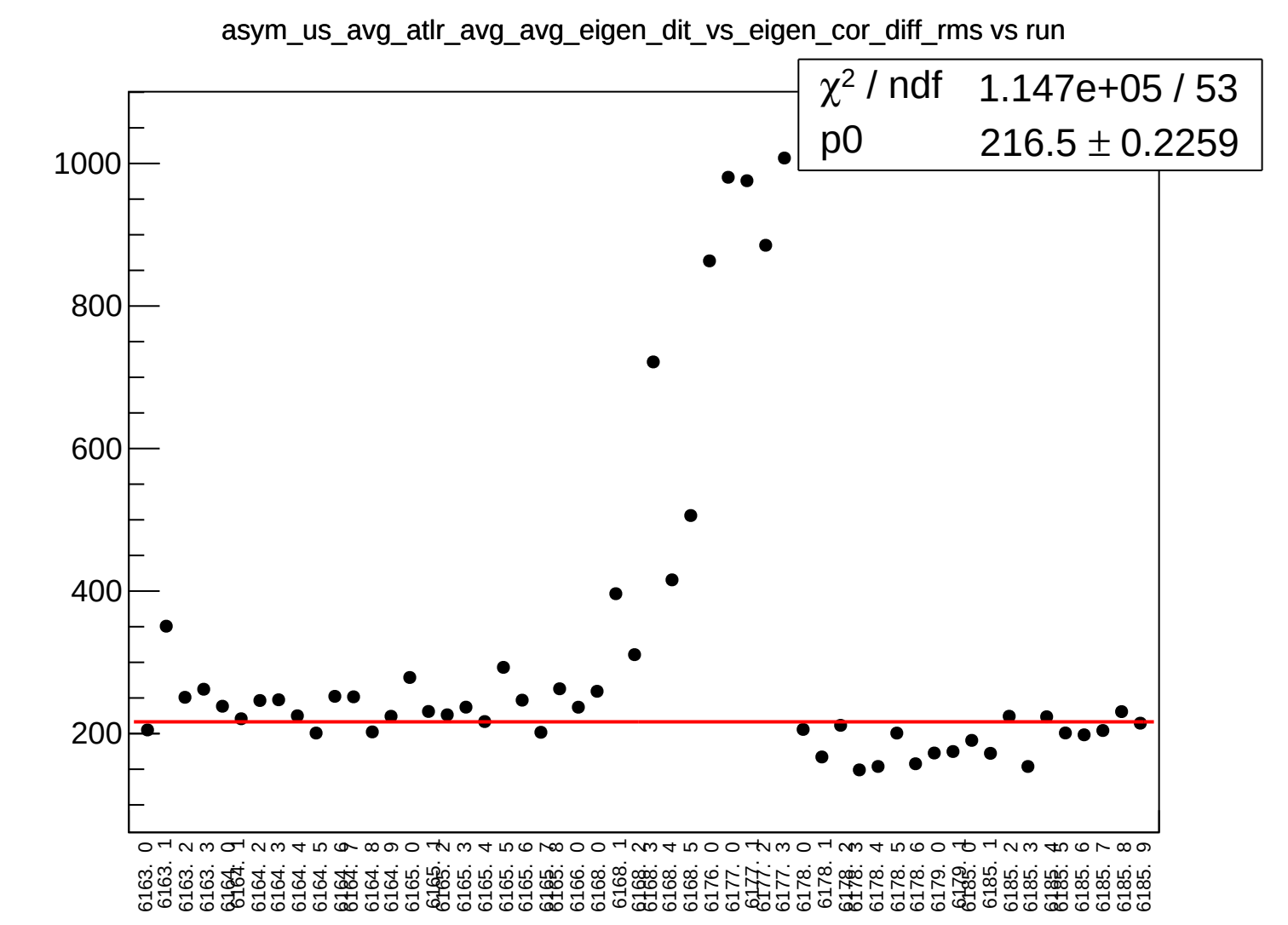

asym_us_avg_atlr_avg_avg_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 55.18 / 53
p0 8.378e−05 ± 4.479e−05
pull
Entries 54
Mean 1.762
Std Dev 0
pull1D
Entries 54
Mean 0.02789
Std Dev 1.01

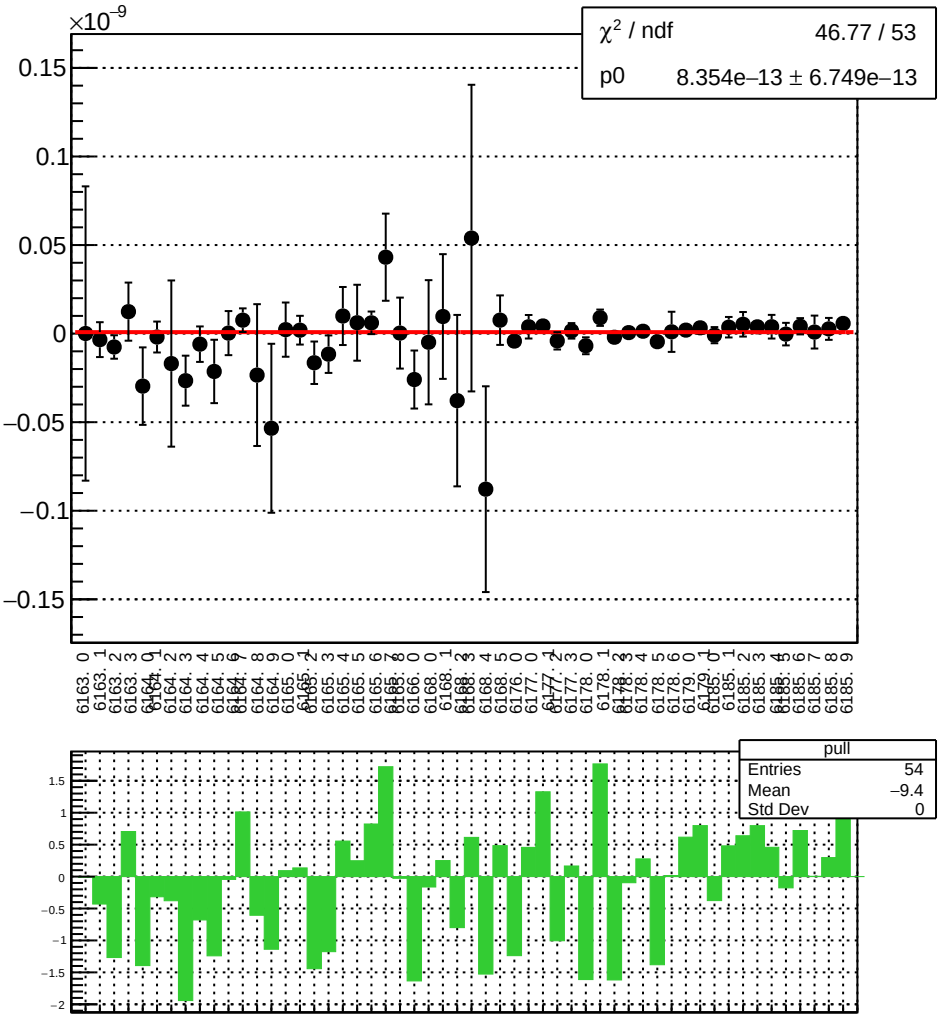

asym_us_avg_atlr_avg_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.501e+05 / 53
p0 0.02976 ± 3.167e−05
0.06
0.05
0.04
0.03
0.02
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

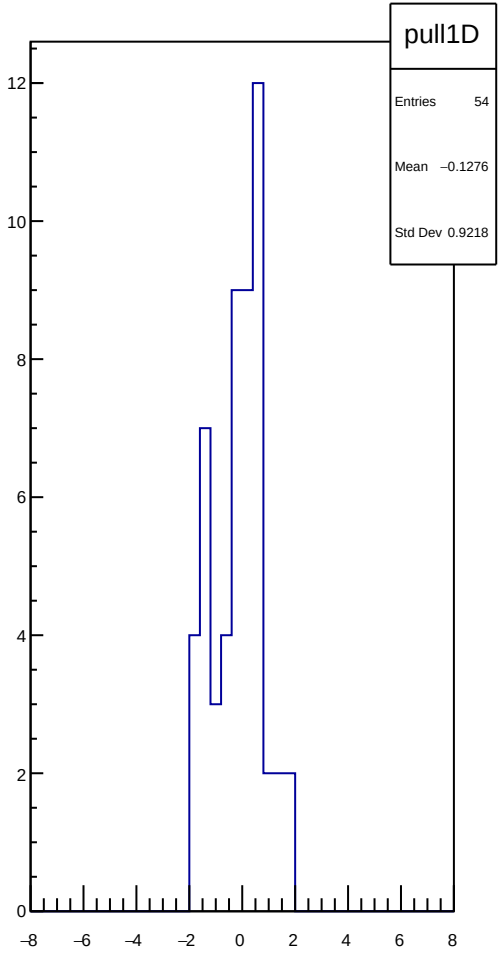

asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 68.97 / 53
p0 −0.3134 ± 0.3195
pull
Entries 54
Mean 7.346
Std Dev 0
pull1D
Entries 54
Mean 0.03017
Std Dev 1.13

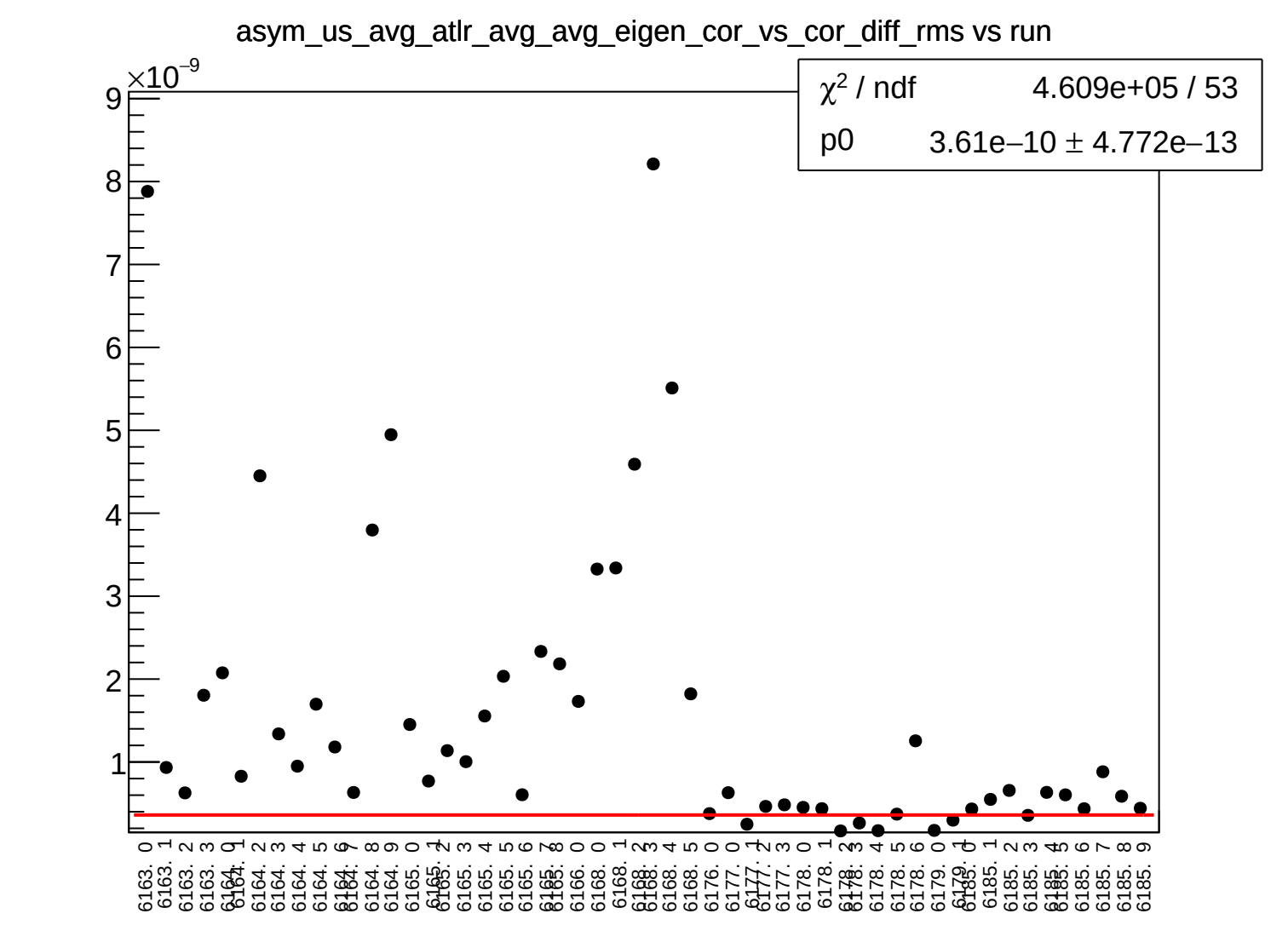

asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.147e+05 / 53
p0 216.5 ± 0.2259
1000
800
600
400
200
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

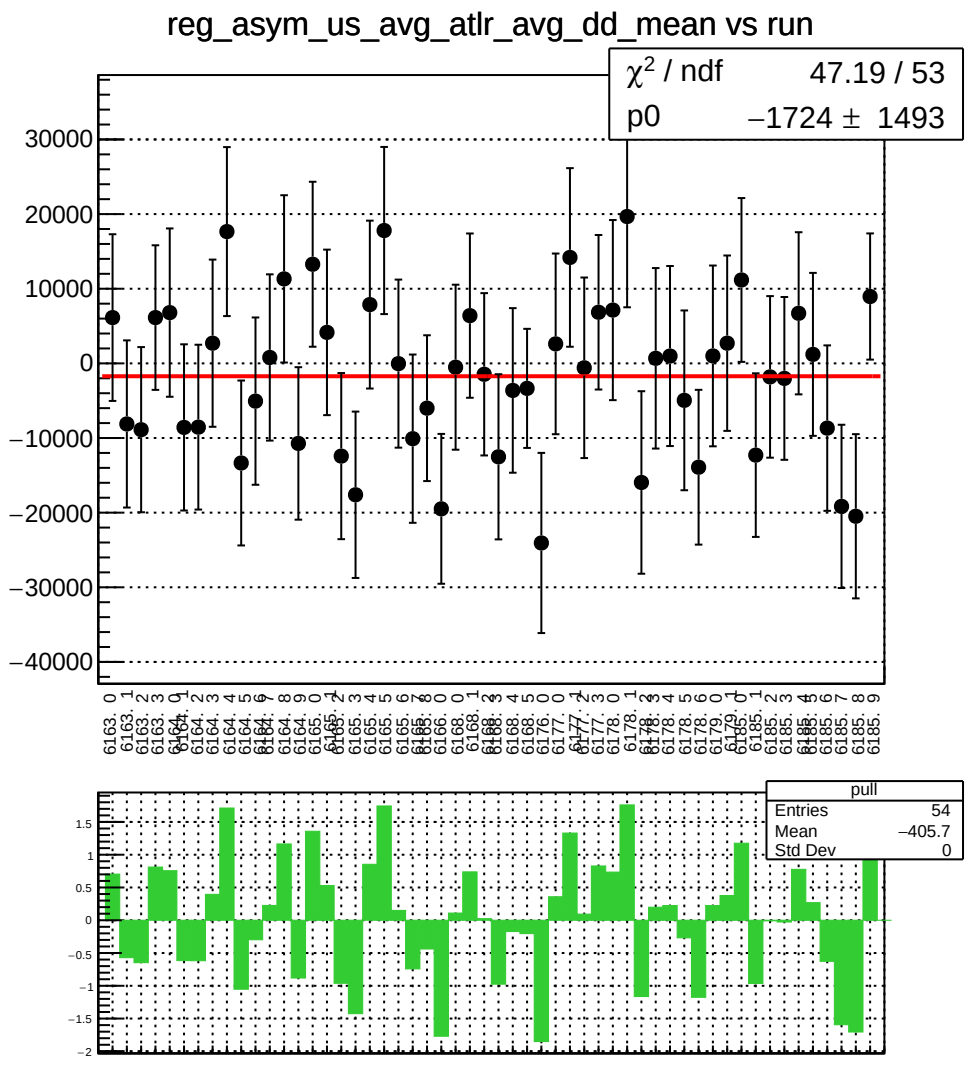

asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 68.97 / 53
p0 −0.3134 ± 0.3195
pull
Entries 54
Mean 7.346
Std Dev 0
pull1D
Entries 54
Mean 0.03017
Std Dev 1.13

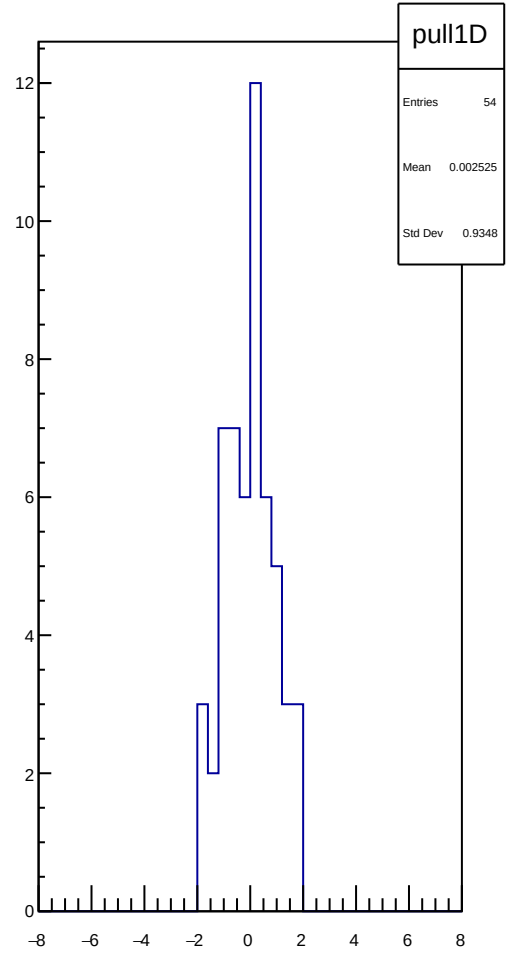

asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.147e+05 / 53
p0 216.5 ± 0.2259
1000
800
600
400
200
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

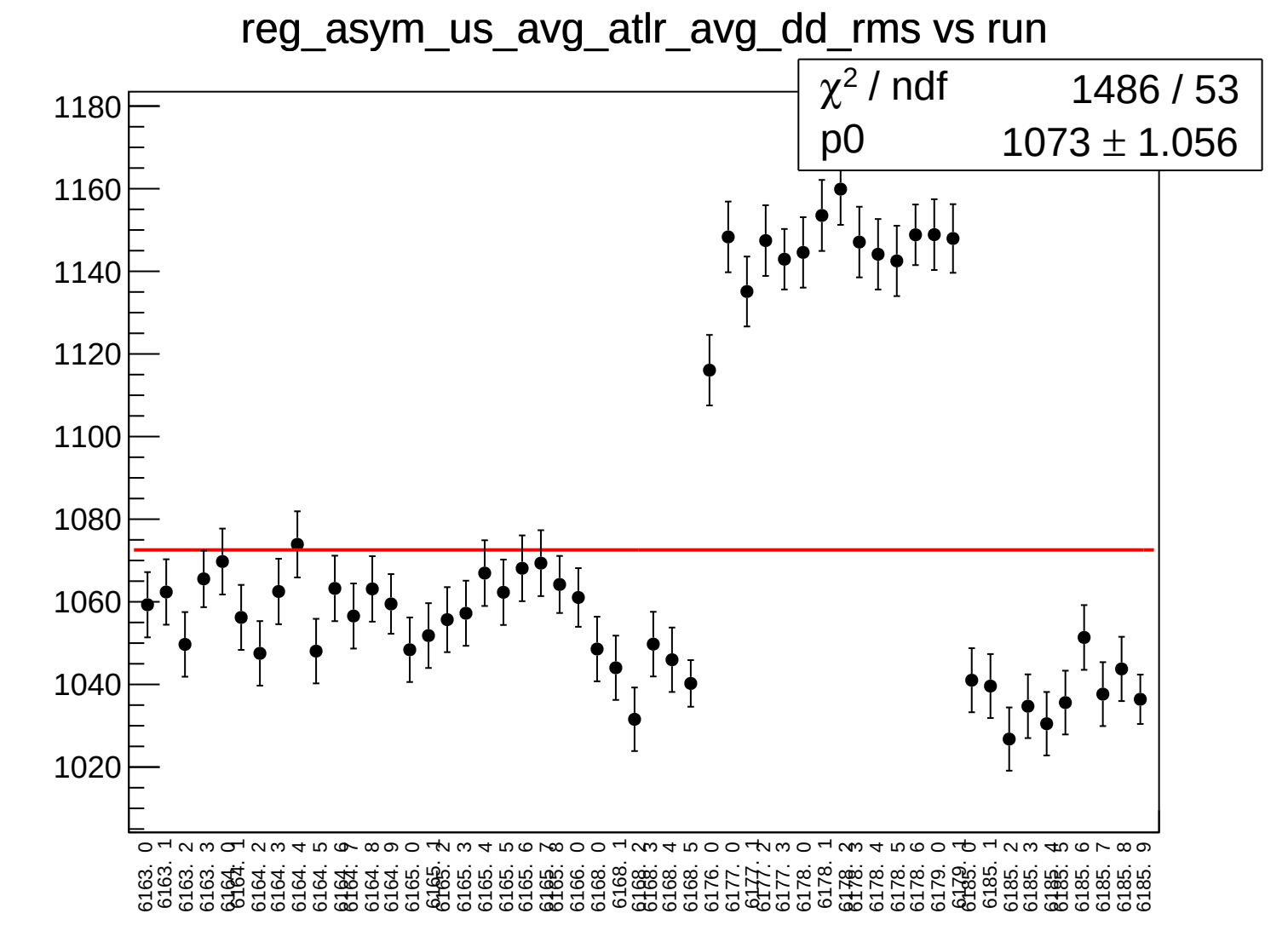

asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻⁹
χ² / ndf 46.77 / 53
p0 8.354e−13 ± 6.749e−13
pull
Entries 54
Mean −9.4
Std Dev 0

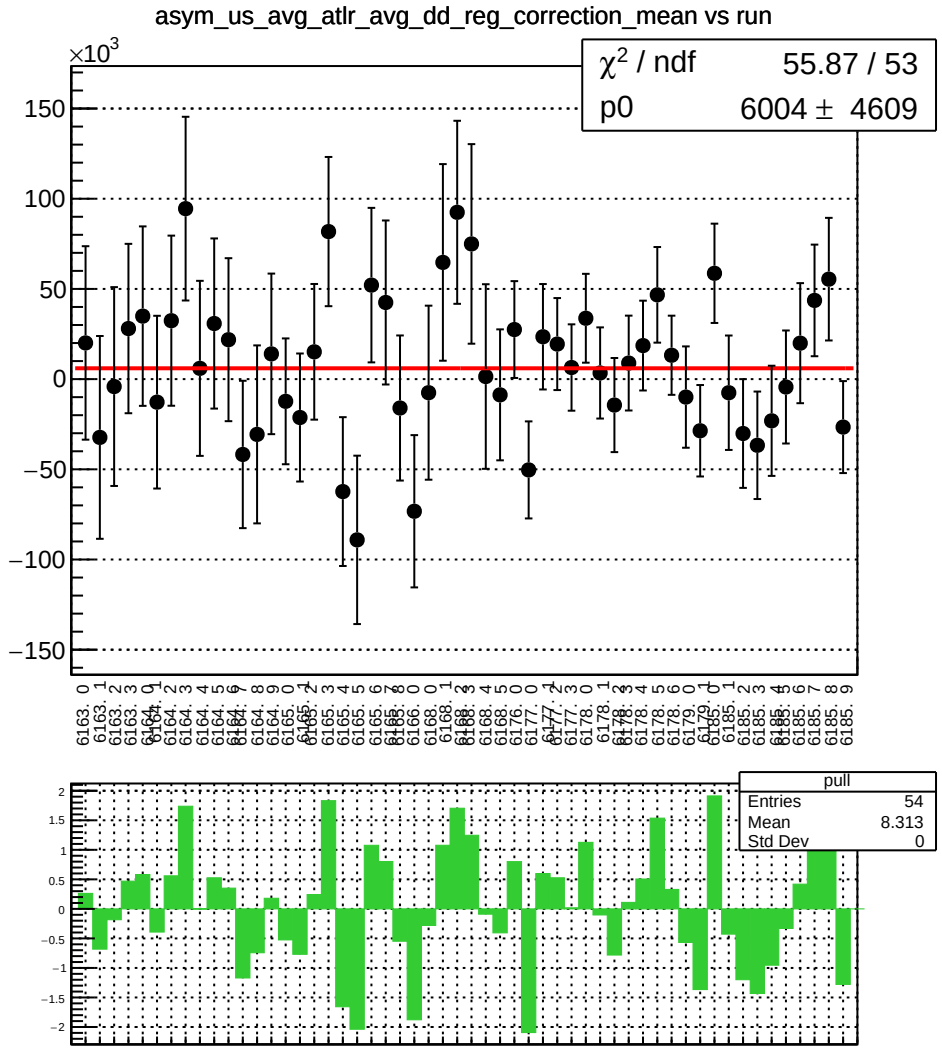

pull1D
Entries 54
Mean −0.1276
Std Dev 0.9218

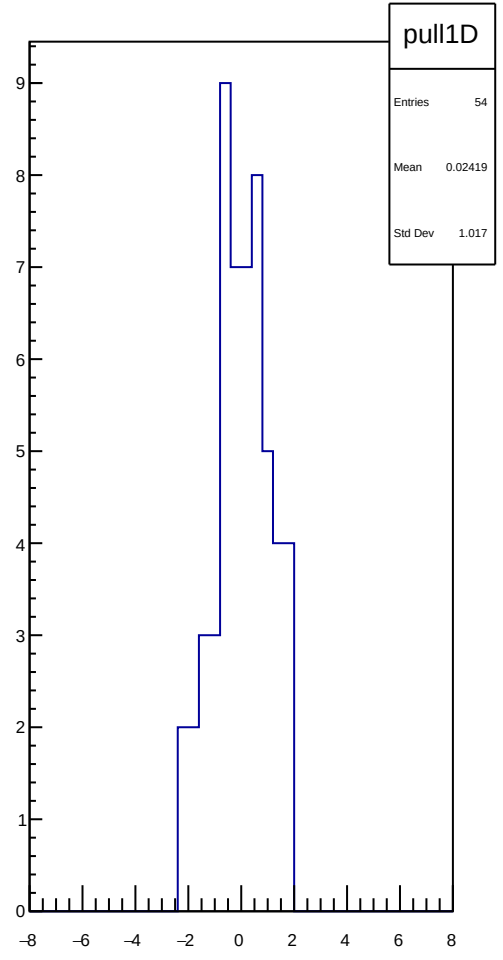

asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.609e+05 / 53
p0 3.61e−10 ± 4.772e−13

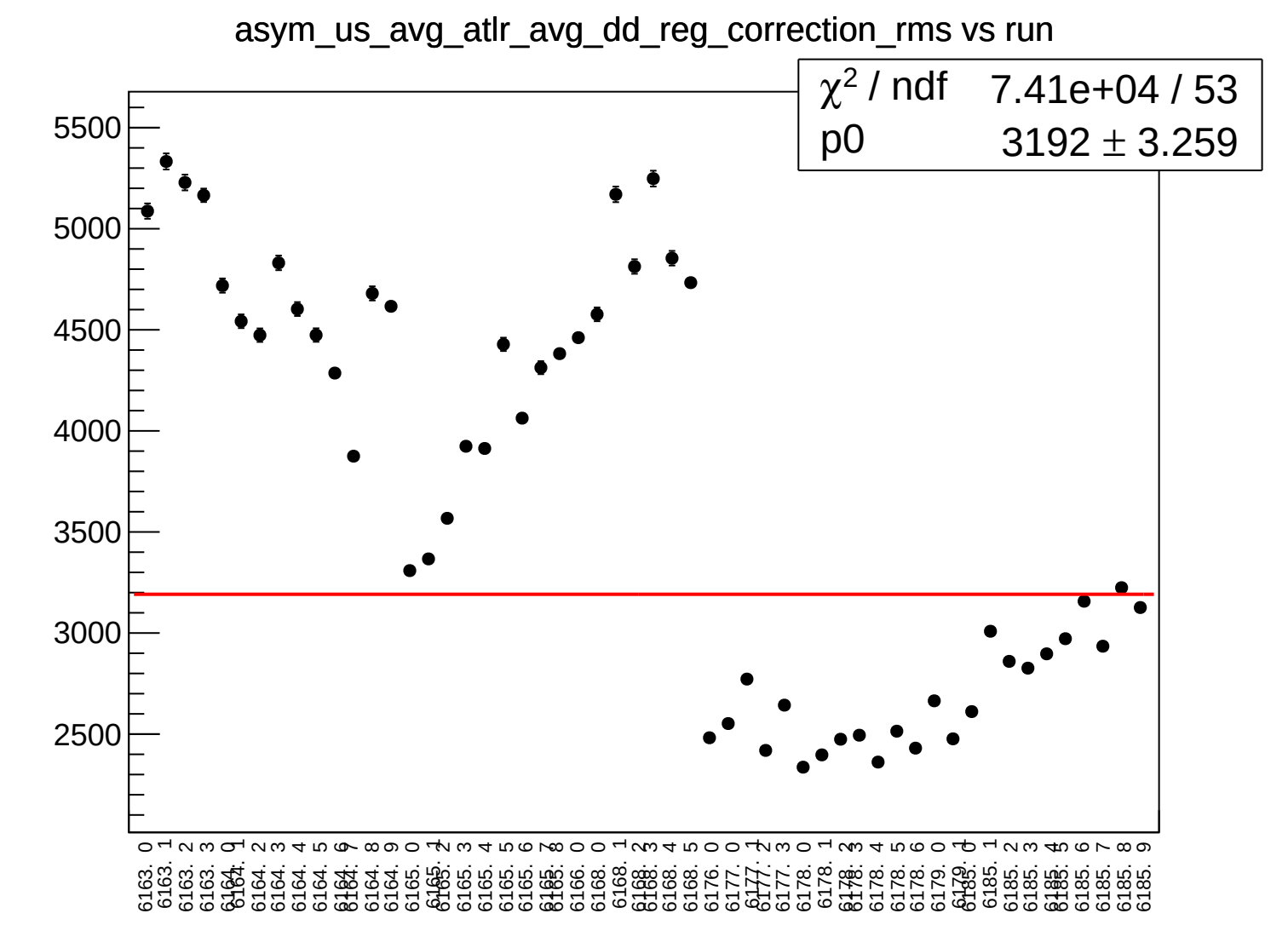

reg_asym_us_avg_atlr_avg_dd_mean vs run
χ² / ndf 47.19 / 53
p0 −1724 ± 1493
pull
Entries 54
Mean −405.7
Std Dev 0

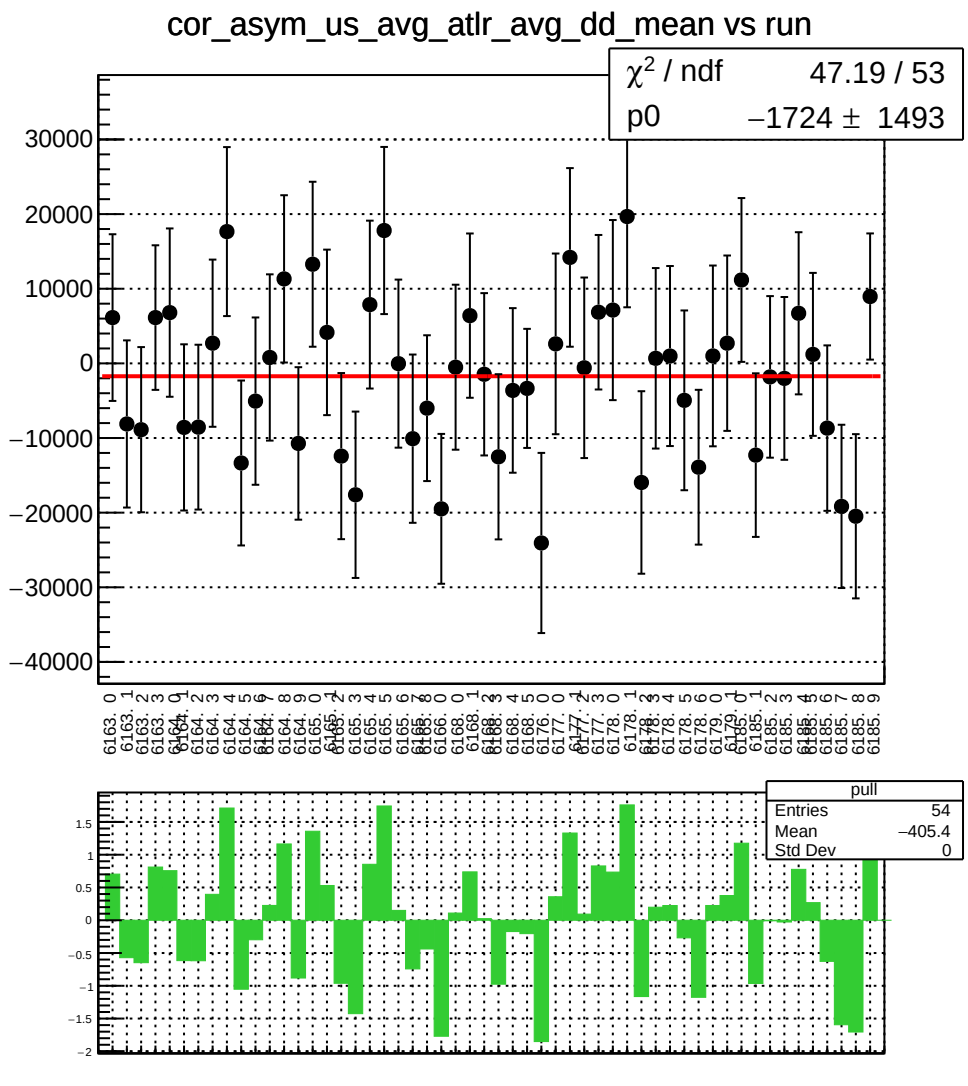

pull1D
Entries 54
Mean 0.002525
Std Dev 0.9348

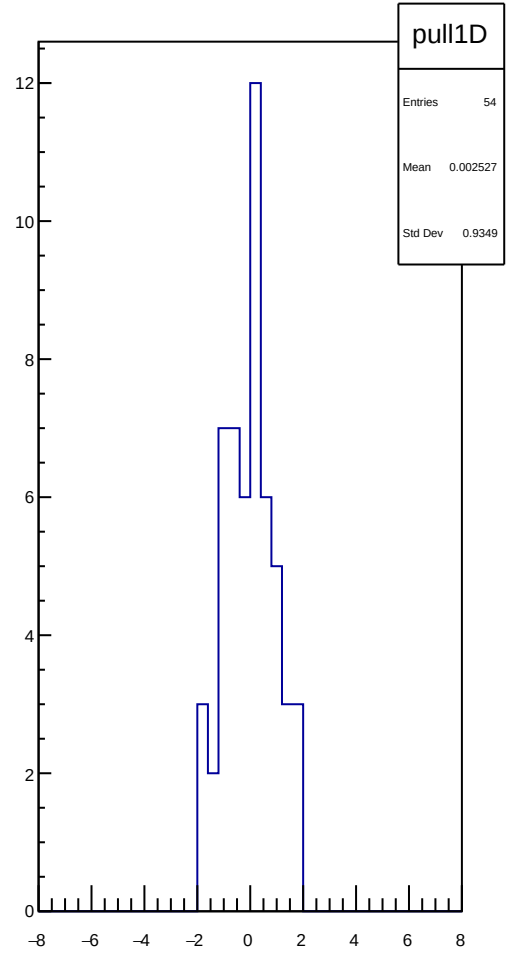

reg_asym_us_avg_atlr_avg_dd_rms vs run
χ² / ndf 1486 / 53
p0 1073 ± 1.056
1180
1160
1140
1120
1100
1080
1060
1040
1020
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

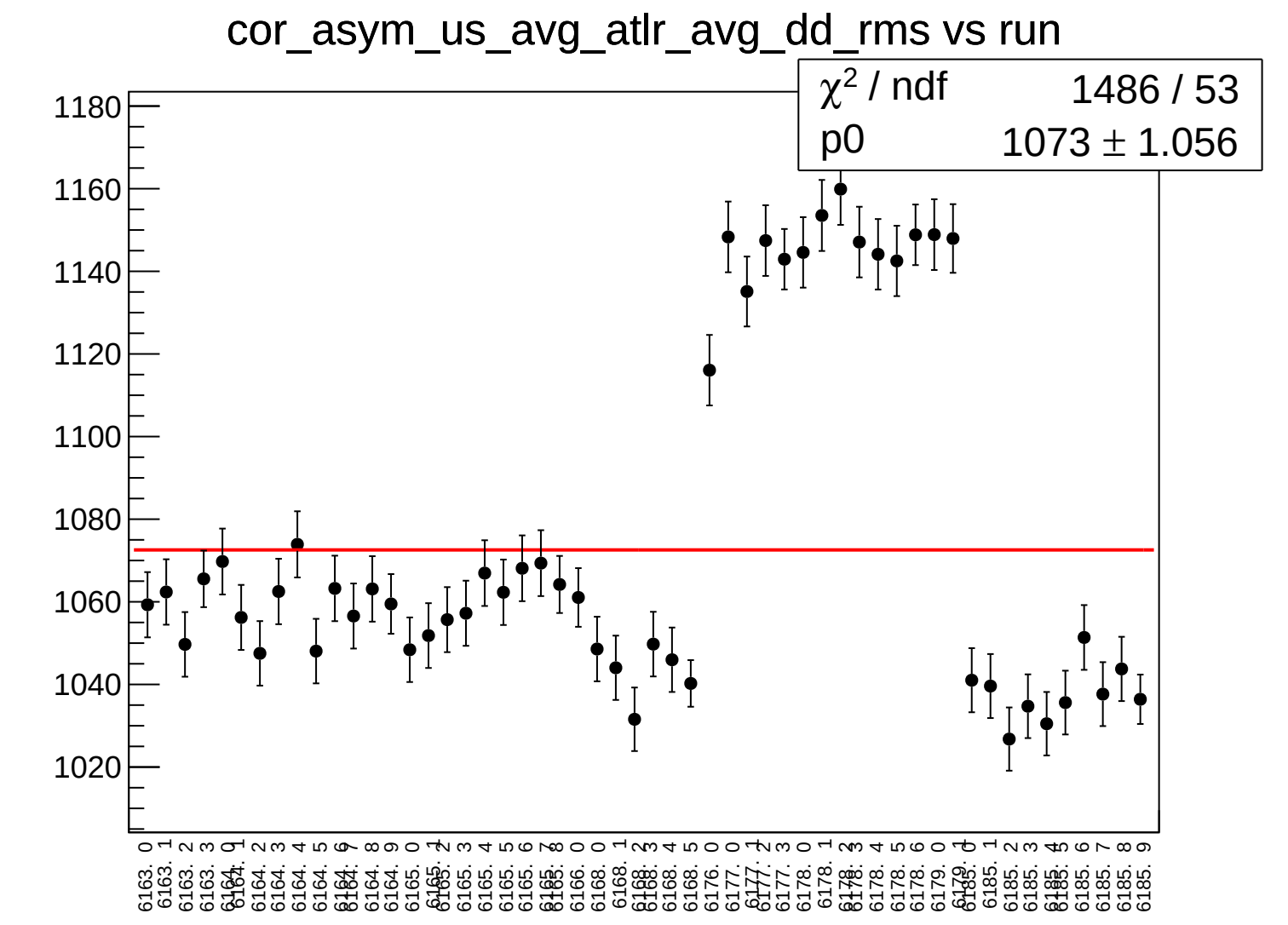

asym_us_avg_atlr_avg_dd_reg_correction_mean vs run
χ² / ndf 55.87 / 53
p0 6004 ± 4609
pull
Entries 54
Mean 8.313
Std Dev 0

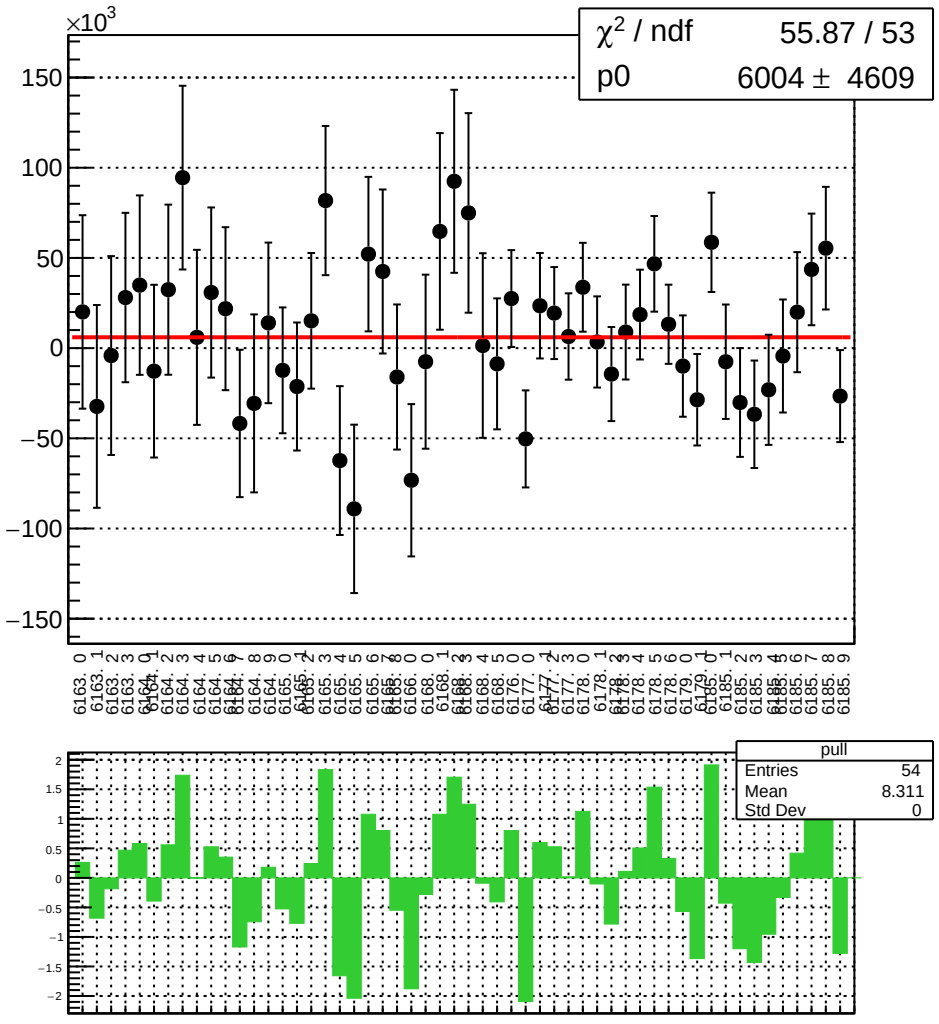

pull1D
Entries 54
Mean 0.02419
Std Dev 1.017

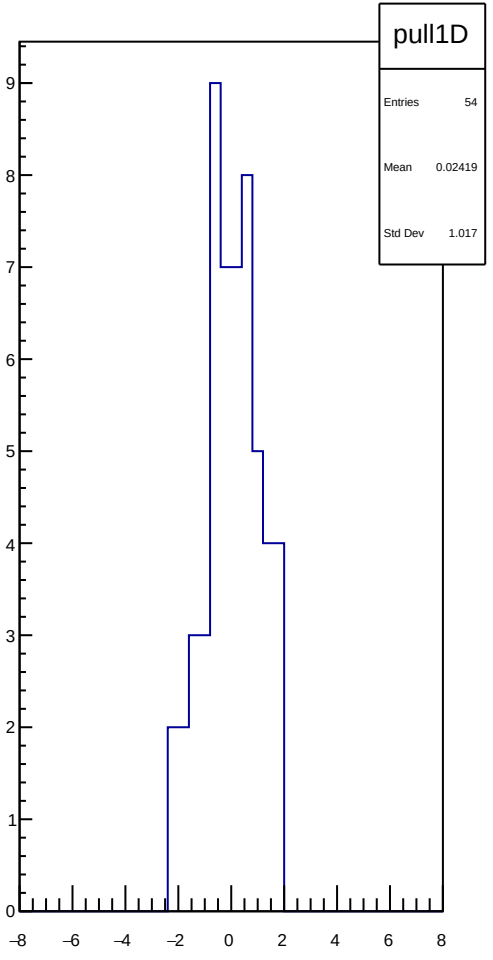

asym_us_avg_atlr_avg_dd_reg_correction_rms vs run
χ² / ndf 7.41e+04 / 53
p0 3192 ± 3.259
5500
5000
4500
4000
3500
3000
2500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

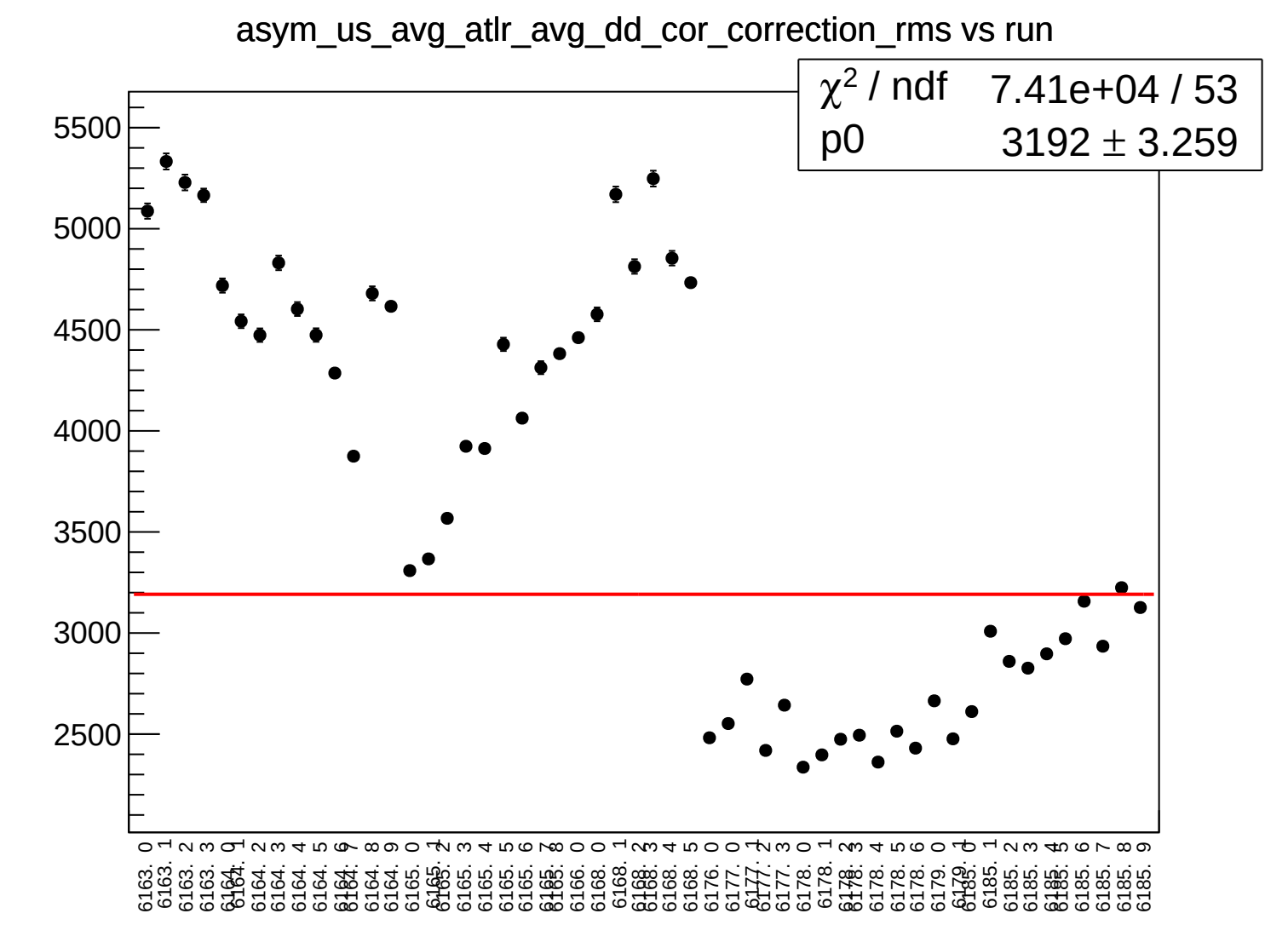

cor_asym_us_avg_atlr_avg_dd_mean vs run
χ² / ndf 47.19 / 53
p0 −1724 ± 1493
pull
Entries 54
Mean −405.4
Std Dev 0

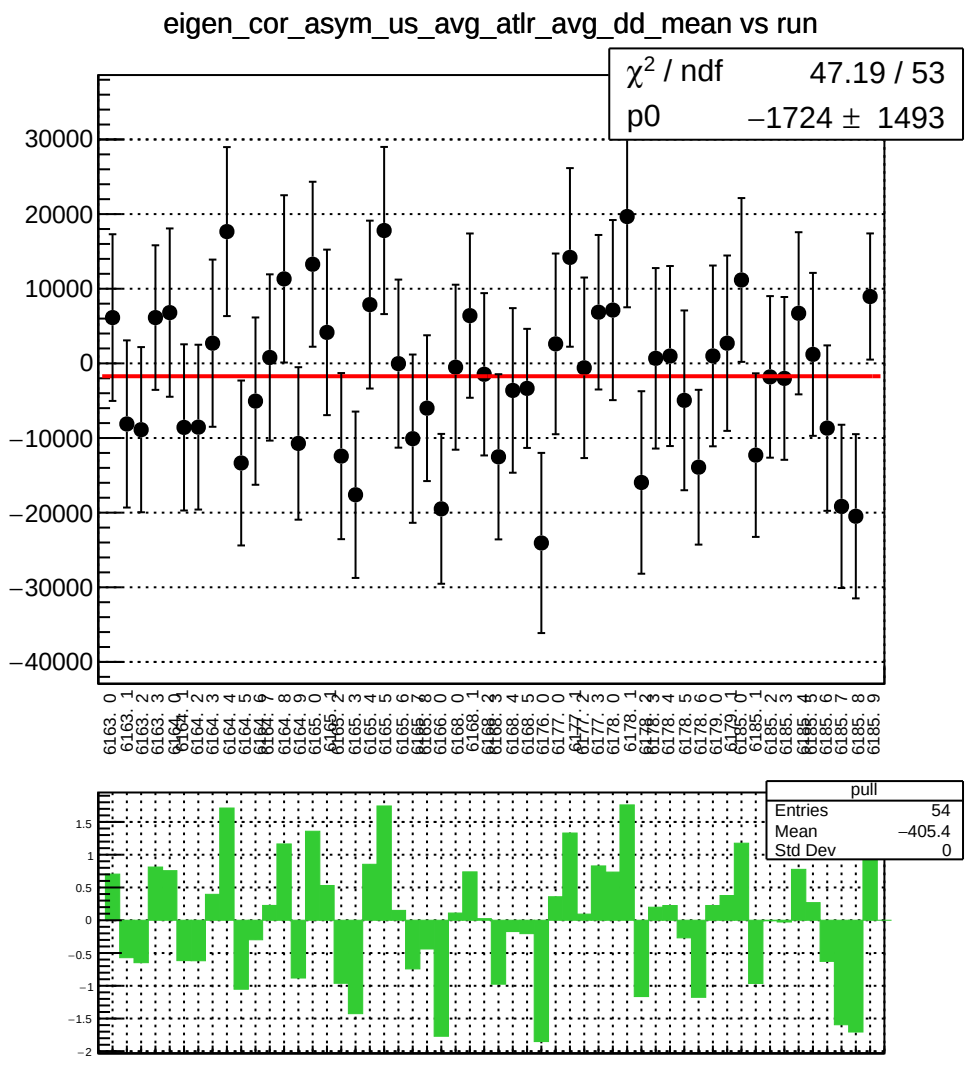

pull1D
Entries 54
Mean 0.002527
Std Dev 0.9349

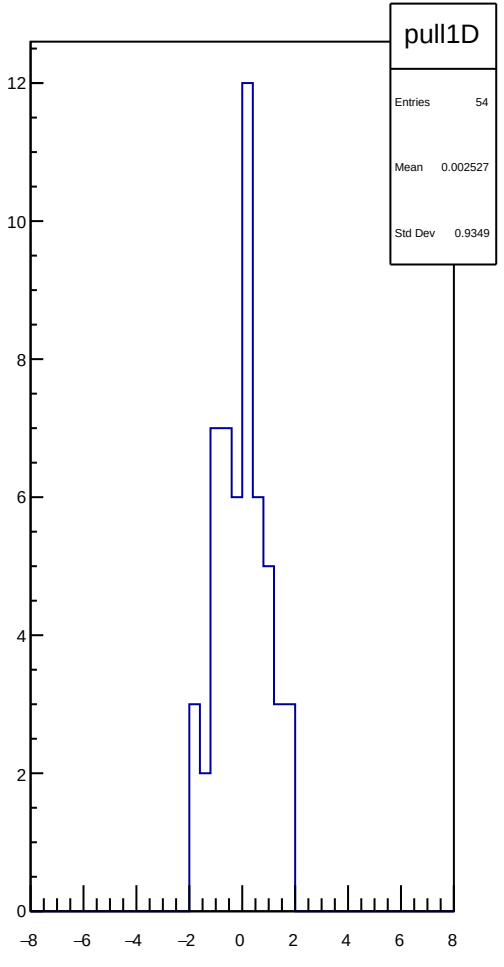

cor_asym_us_avg_atlr_avg_dd_rms vs run
χ² / ndf 1486 / 53
p0 1073 ± 1.056
1180
1160
1140
1120
1100
1080
1060
1040
1020
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

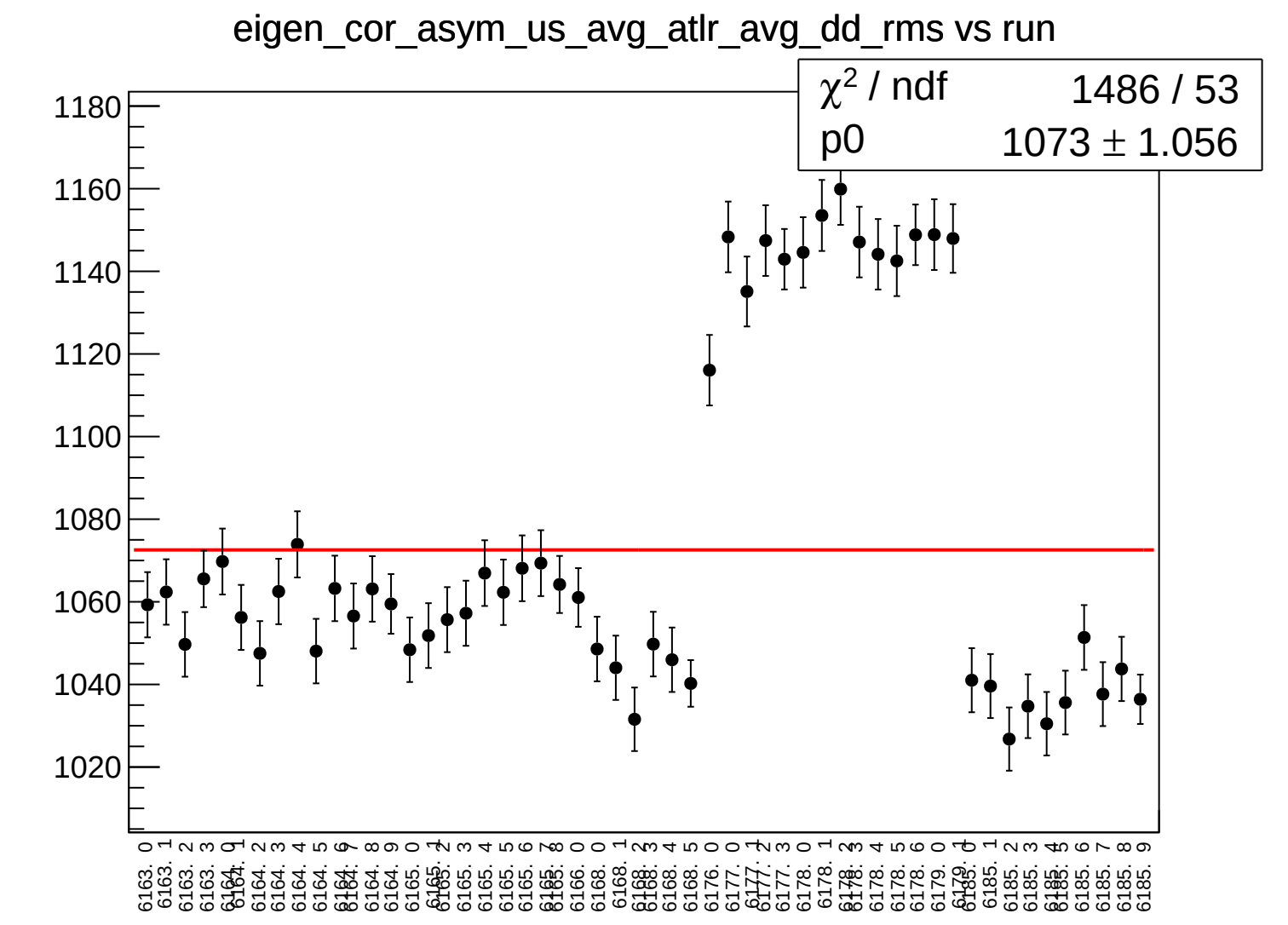

asym_us_avg_atlr_avg_dd_cor_correction_mean vs run
χ² / ndf 55.87 / 53
p0 6004 ± 4609
pull
Entries 54
Mean 8.311
Std Dev 0

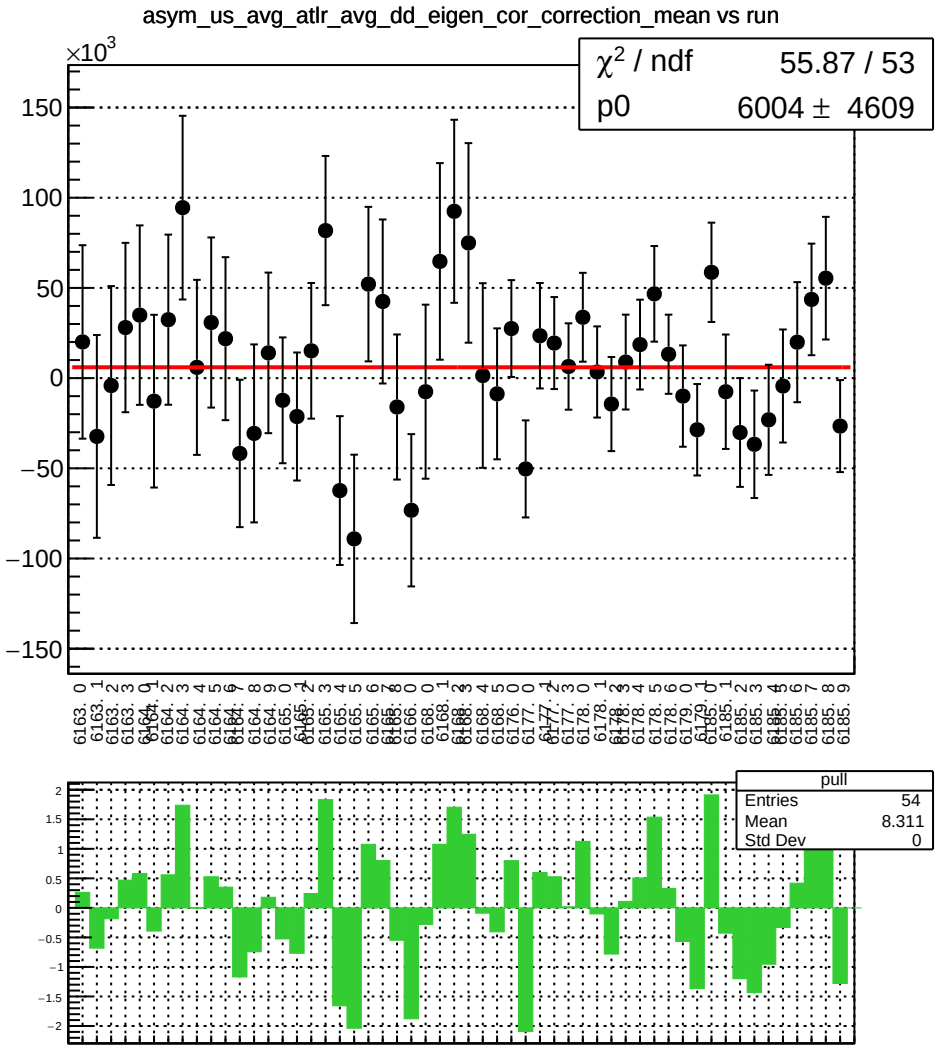

pull1D
Entries 54
Mean 0.02419
Std Dev 1.017

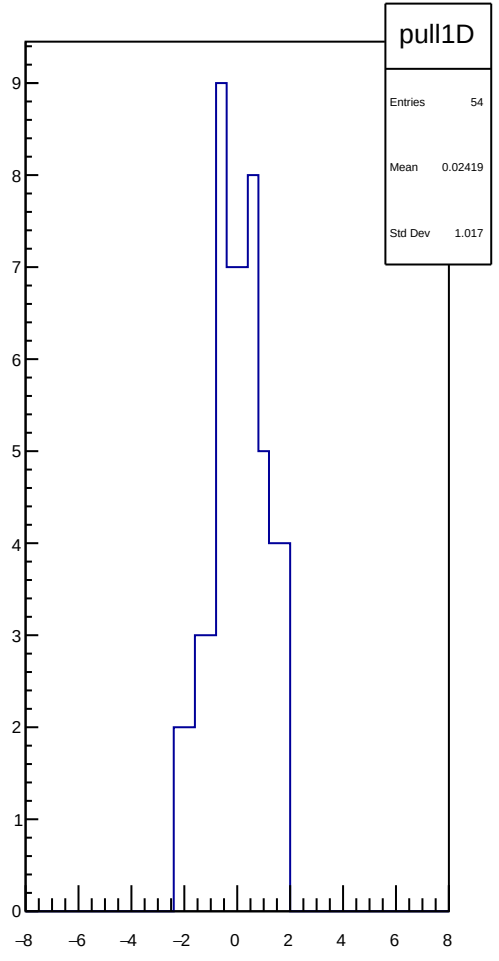

asym_us_avg_atlr_avg_dd_cor_correction_rms vs run
χ² / ndf 7.41e+04 / 53
p0 3192 ± 3.259
5500
5000
4500
4000
3500
3000
2500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

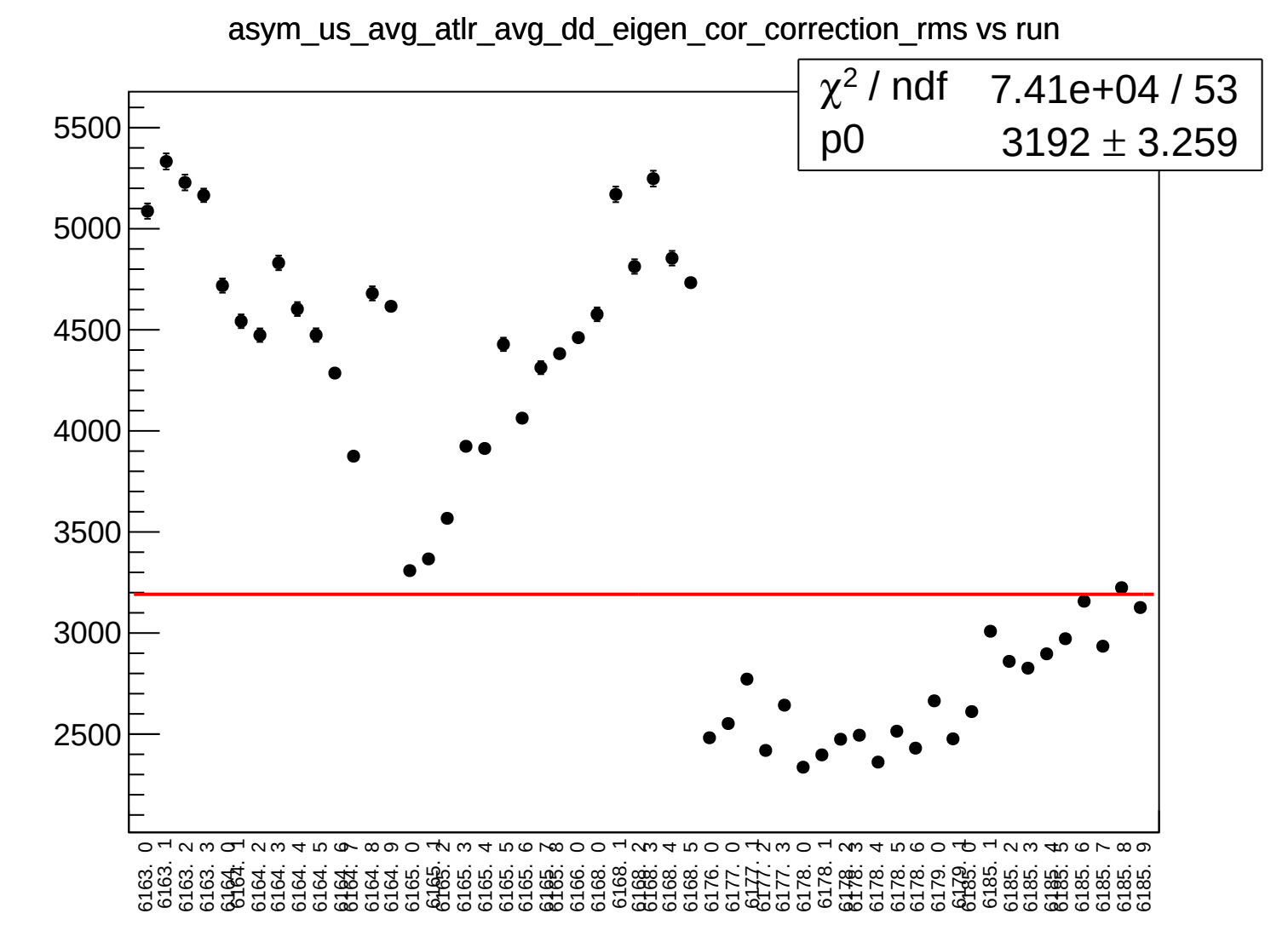

eigen_cor_asym_us_avg_atlr_avg_dd_mean vs run
χ² / ndf 47.19 / 53
p0 −1724 ± 1493
pull
Entries 54
Mean −405.4
Std Dev 0

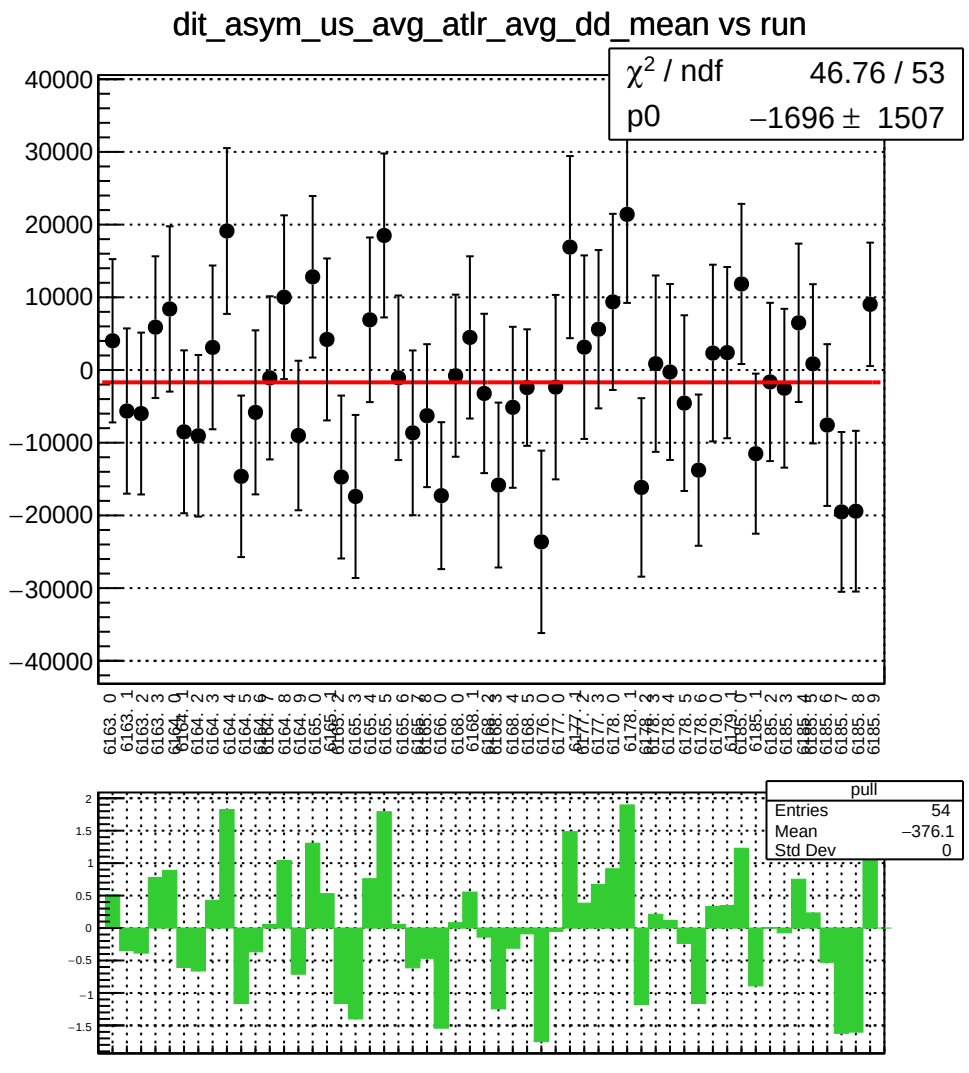

pull1D
Entries 54
Mean 0.002527
Std Dev 0.9349

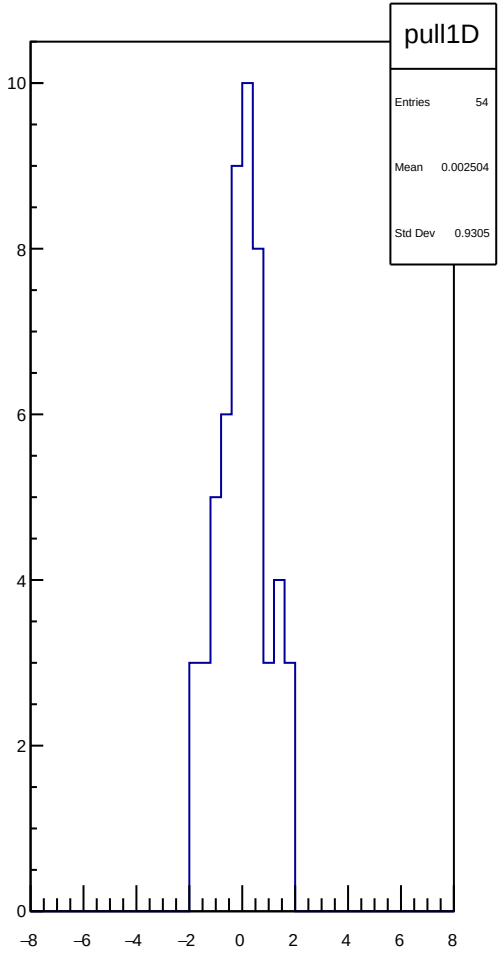

eigen_cor_asym_us_avg_atlr_avg_dd_rms vs run
χ² / ndf 1486 / 53
p0 1073 ± 1.056
1180
1160
1140
1120
1100
1080
1060
1040
1020
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

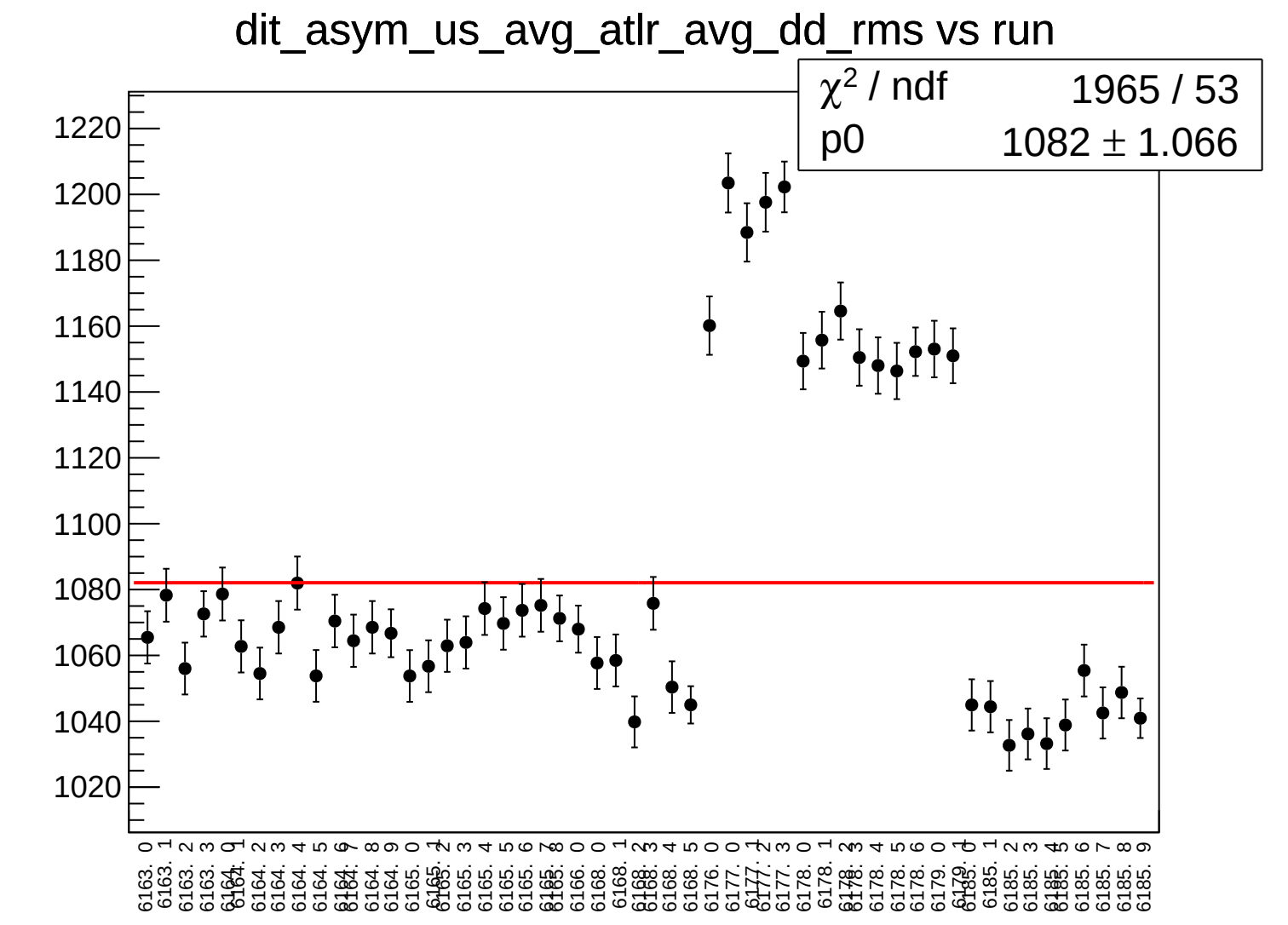

asym_us_avg_atlr_avg_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 55.87 / 53
p0 6004 ± 4609
150
100
50
0
−50
−100
−150
pull
Entries 54
Mean 8.311
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

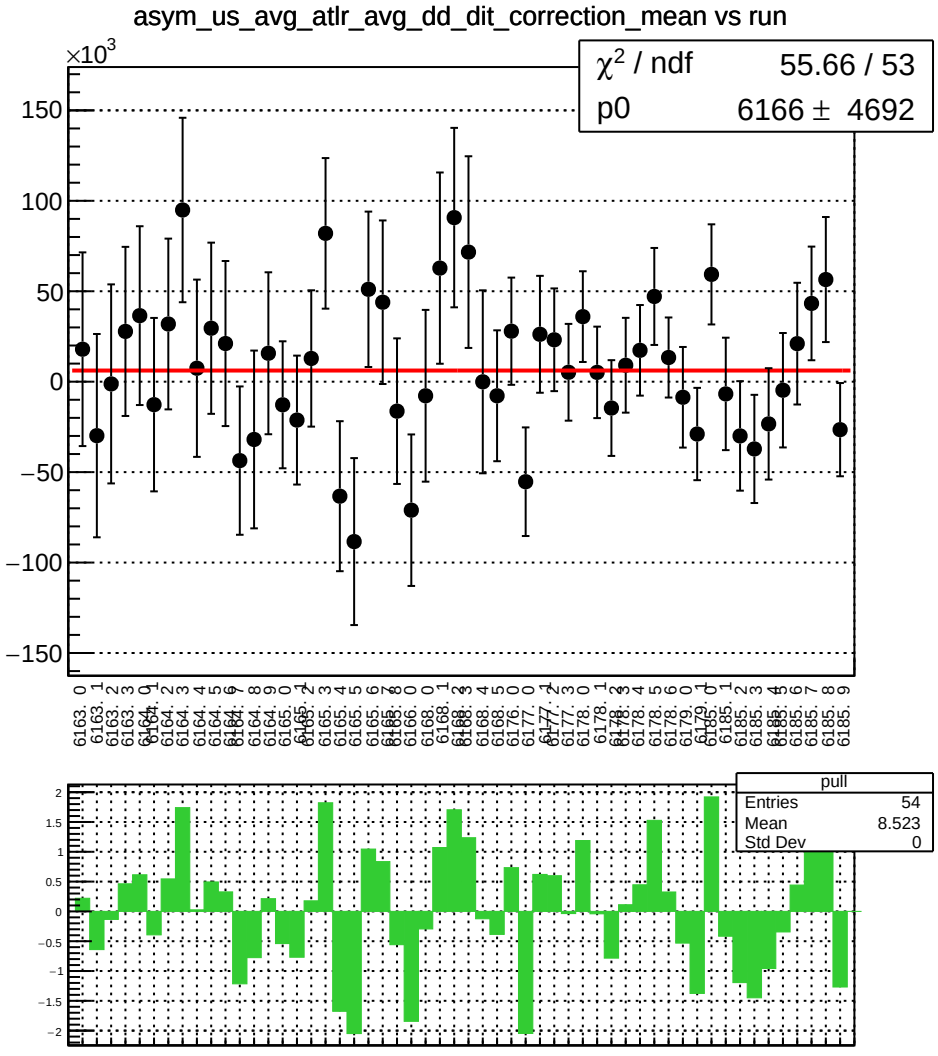

pull1D
Entries 54
Mean 0.02419
Std Dev 1.017
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

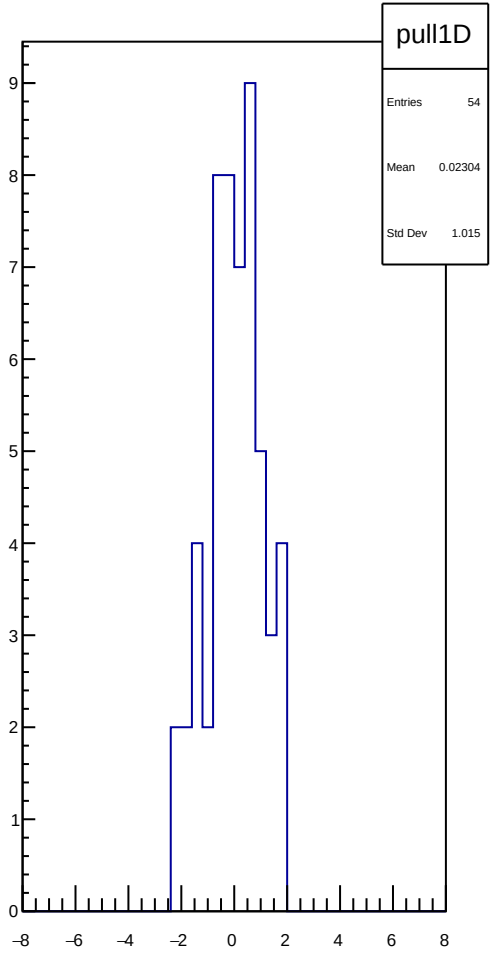

asym_us_avg_atlr_avg_dd_eigen_cor_correction_rms vs run
χ² / ndf 7.41e+04 / 53
p0 3192 ± 3.259
5500
5000
4500
4000
3500
3000
2500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

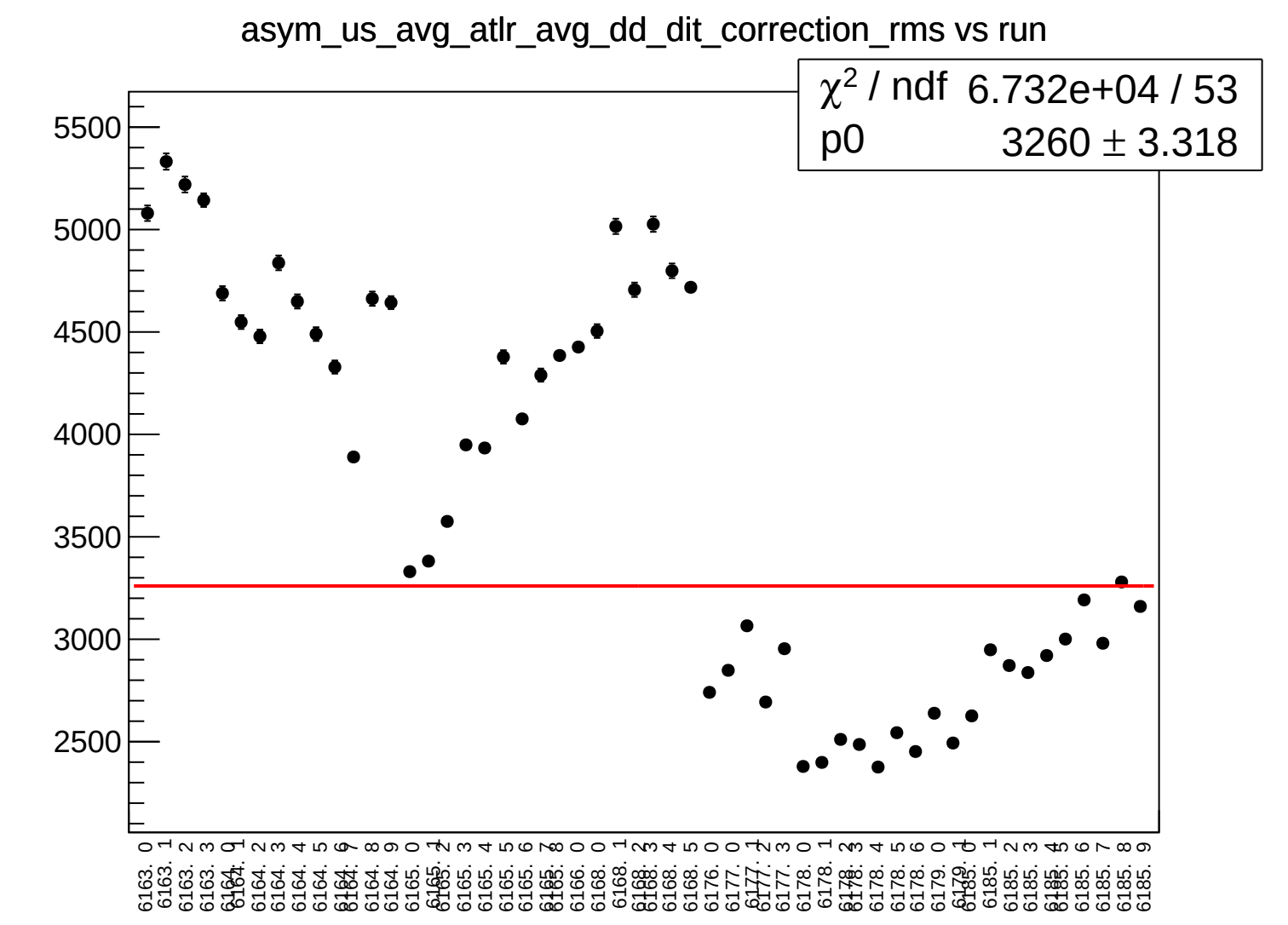

dit_asym_us_avg_atlr_avg_dd_mean vs run
χ² / ndf 46.76 / 53
p0 −1696 ± 1507
pull
Entries 54
Mean −376.1
Std Dev 0

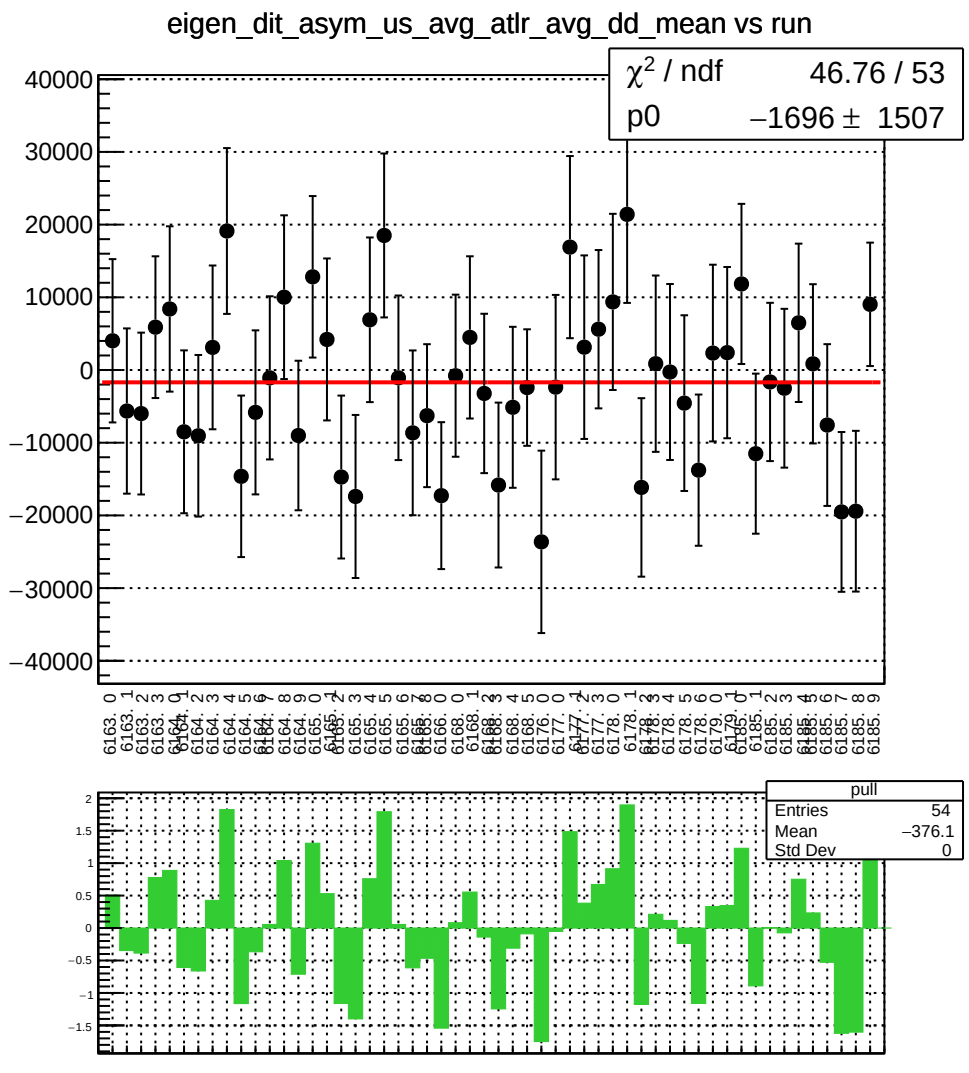

pull1D
Entries 54
Mean 0.002504
Std Dev 0.9305

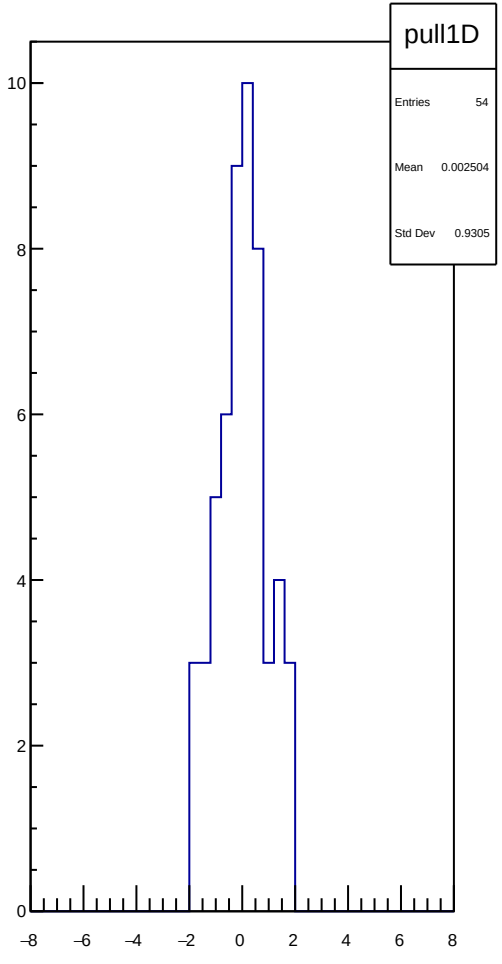

dit_asym_us_avg_atlr_avg_dd_rms vs run
χ² / ndf 1965 / 53
p0 1082 ± 1.066
1220
1200
1180
1160
1140
1120
1100
1080
1060
1040
1020
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

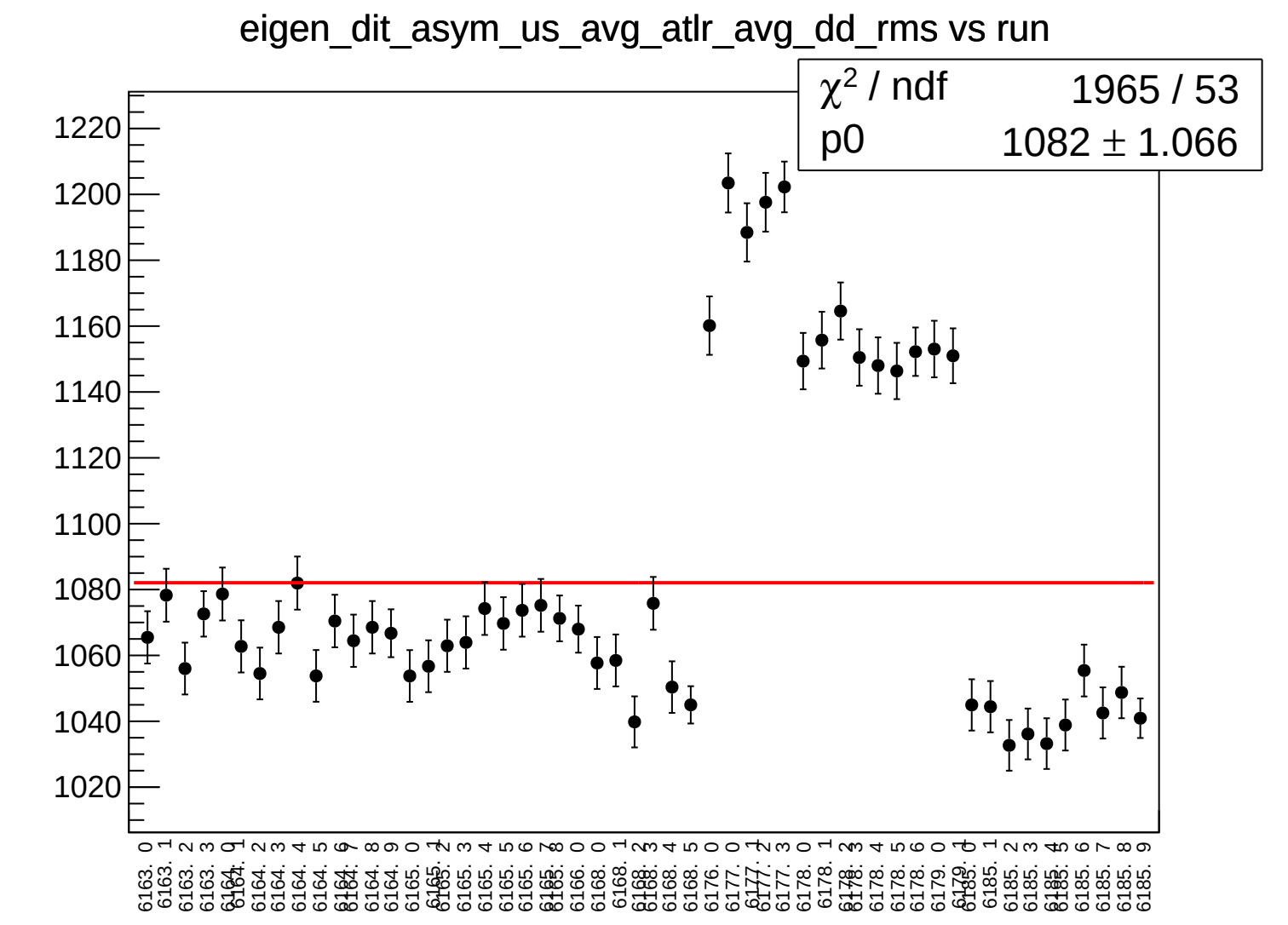

asym_us_avg_atlr_avg_dd_dit_correction_mean vs run
×10^3
χ² / ndf 55.66 / 53
p0 6166 ± 4692
pull
Entries 54
Mean 8.523
Std Dev 0

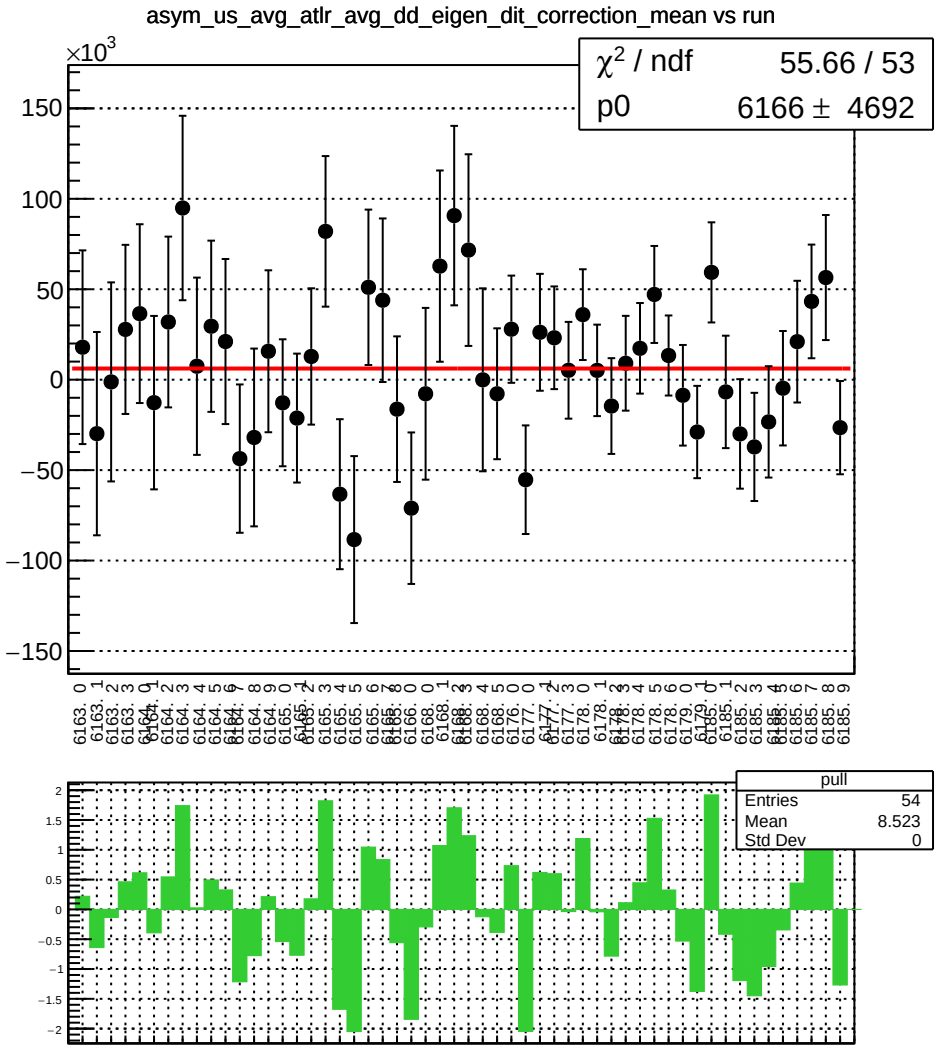

pull1D
Entries 54
Mean 0.02304
Std Dev 1.015

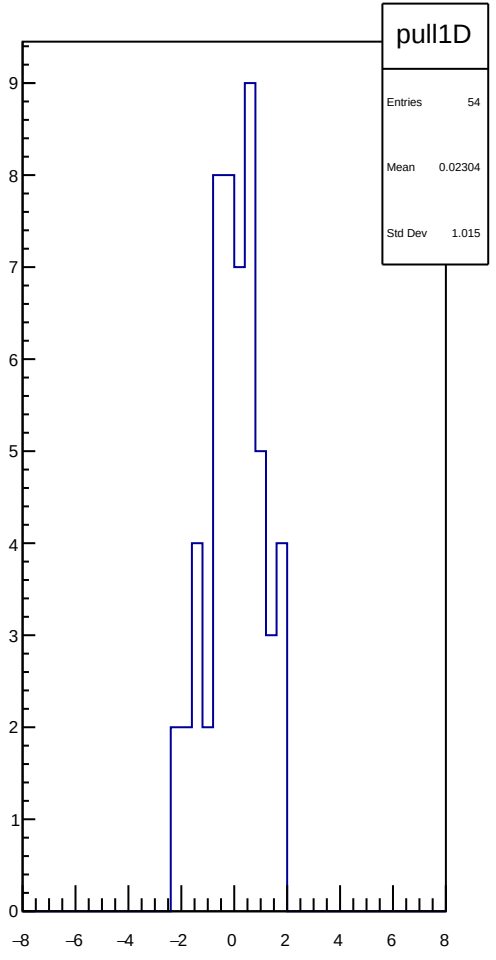

asym_us_avg_atlr_avg_dd_dit_correction_rms vs run
χ² / ndf 6.732e+04 / 53
p0 3260 ± 3.318
5500
5000
4500
4000
3500
3000
2500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

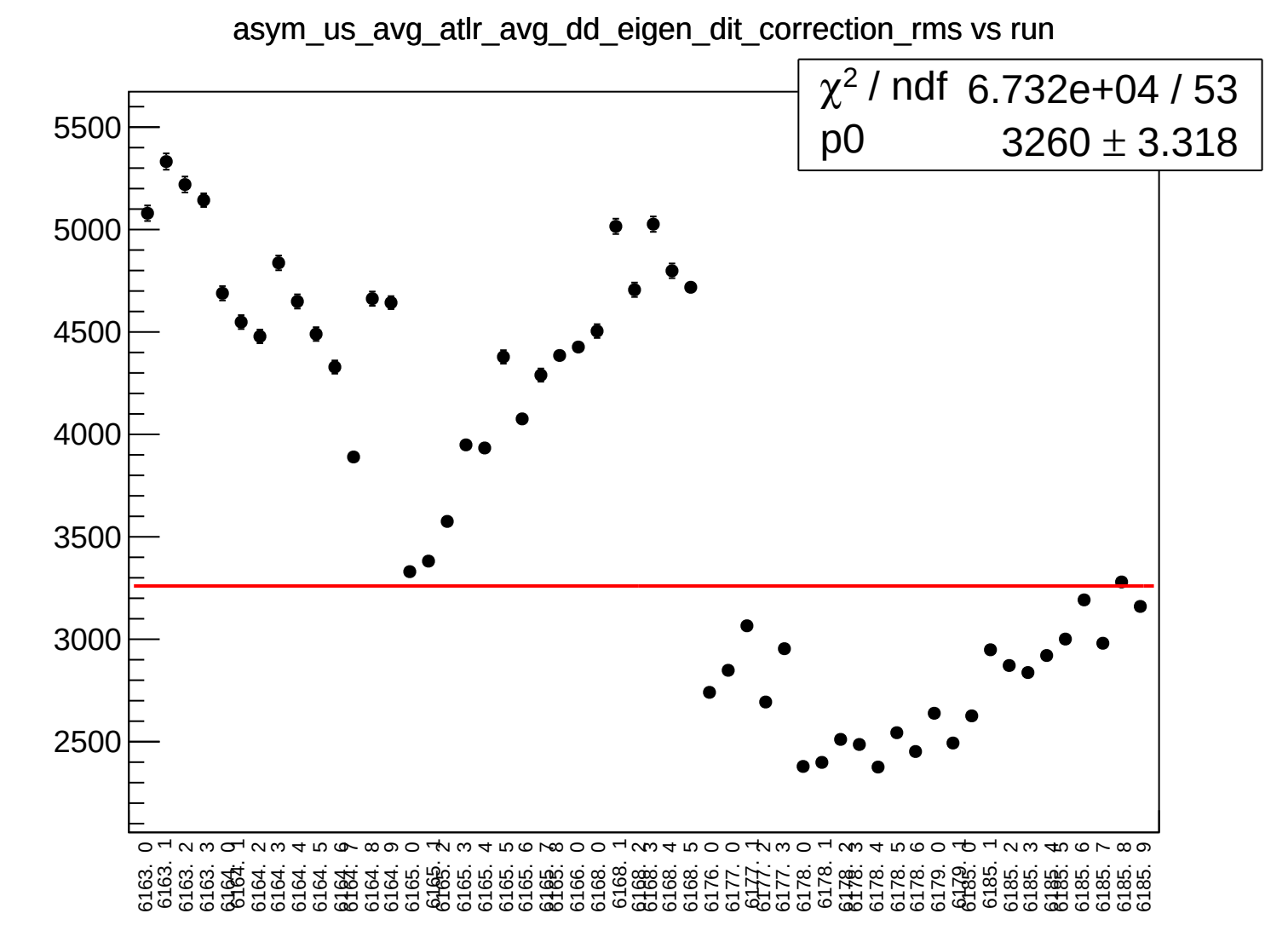

eigen_dit_asym_us_avg_atlr_avg_dd_mean vs run
χ² / ndf 46.76 / 53
p0 −1696 ± 1507
pull
Entries 54
Mean −376.1
Std Dev 0

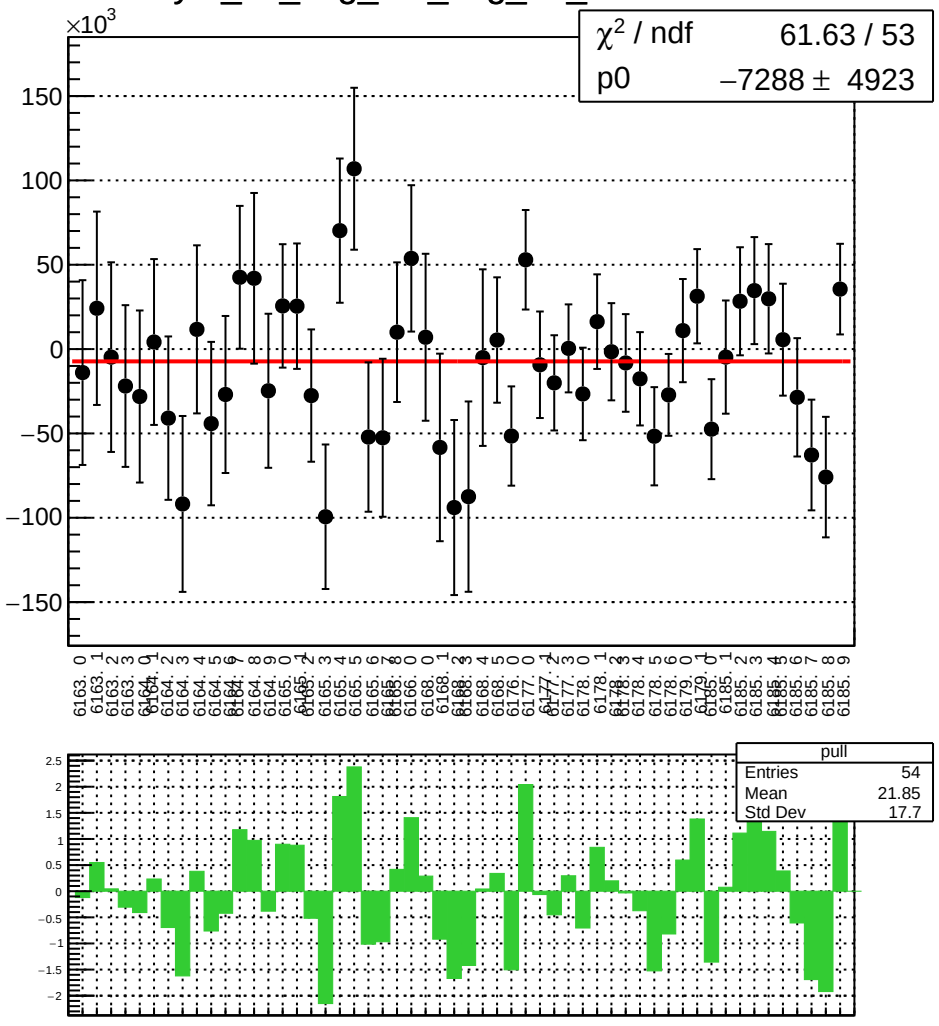

pull1D
Entries 54
Mean 0.002504
Std Dev 0.9305

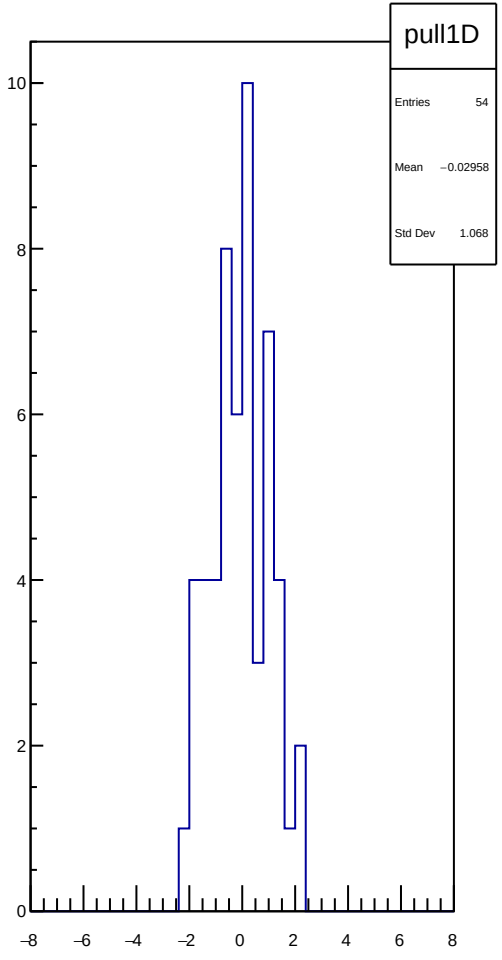

eigen_dit_asym_us_avg_atlr_avg_dd_rms vs run
χ² / ndf 1965 / 53
p0 1082 ± 1.066
1220
1200
1180
1160
1140
1120
1100
1080
1060
1040
1020
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

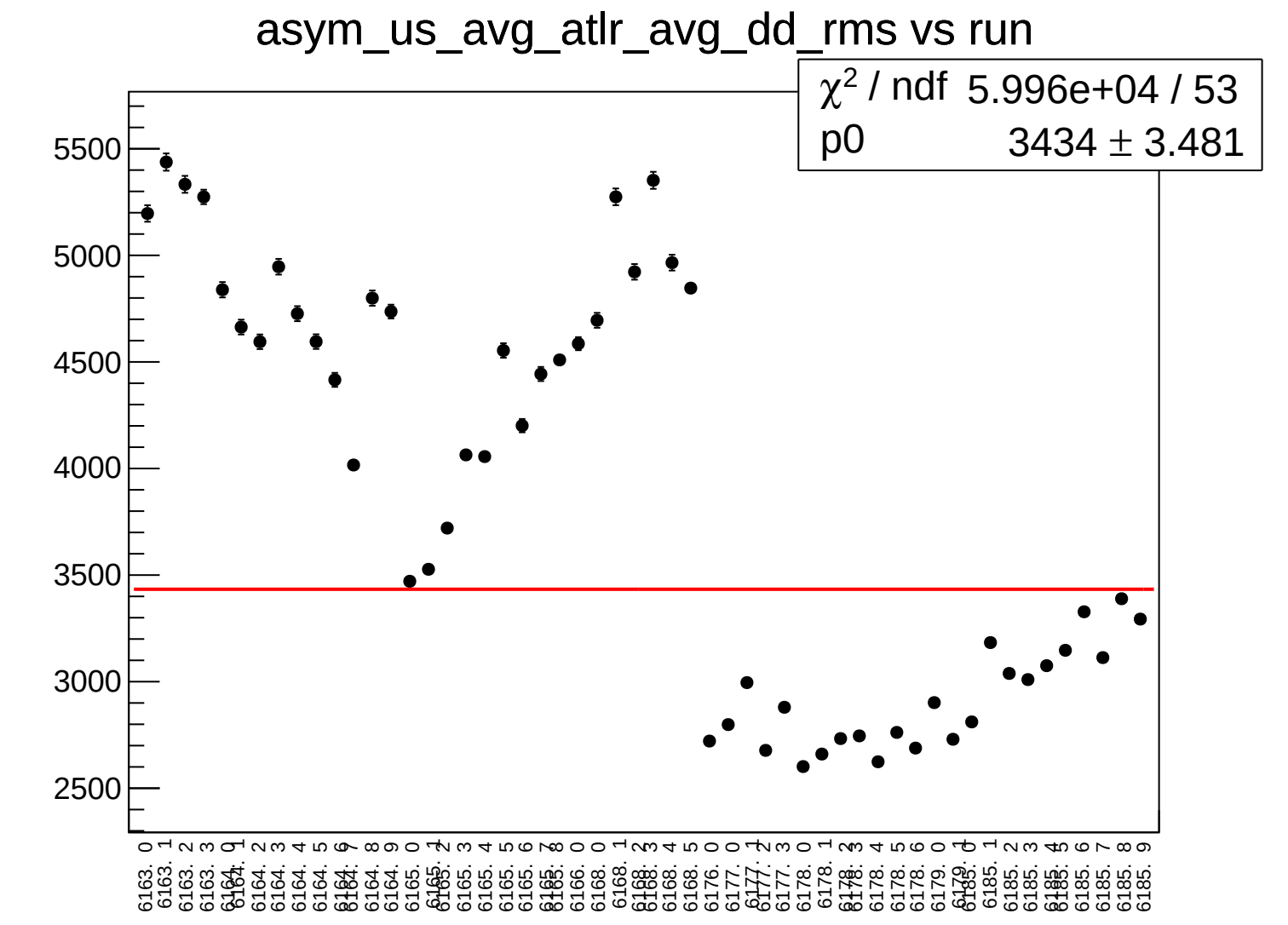

asym_us_avg_atlr_avg_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 55.66 / 53
p0 6166 ± 4692
pull
Entries 54
Mean 8.523
Std Dev 0

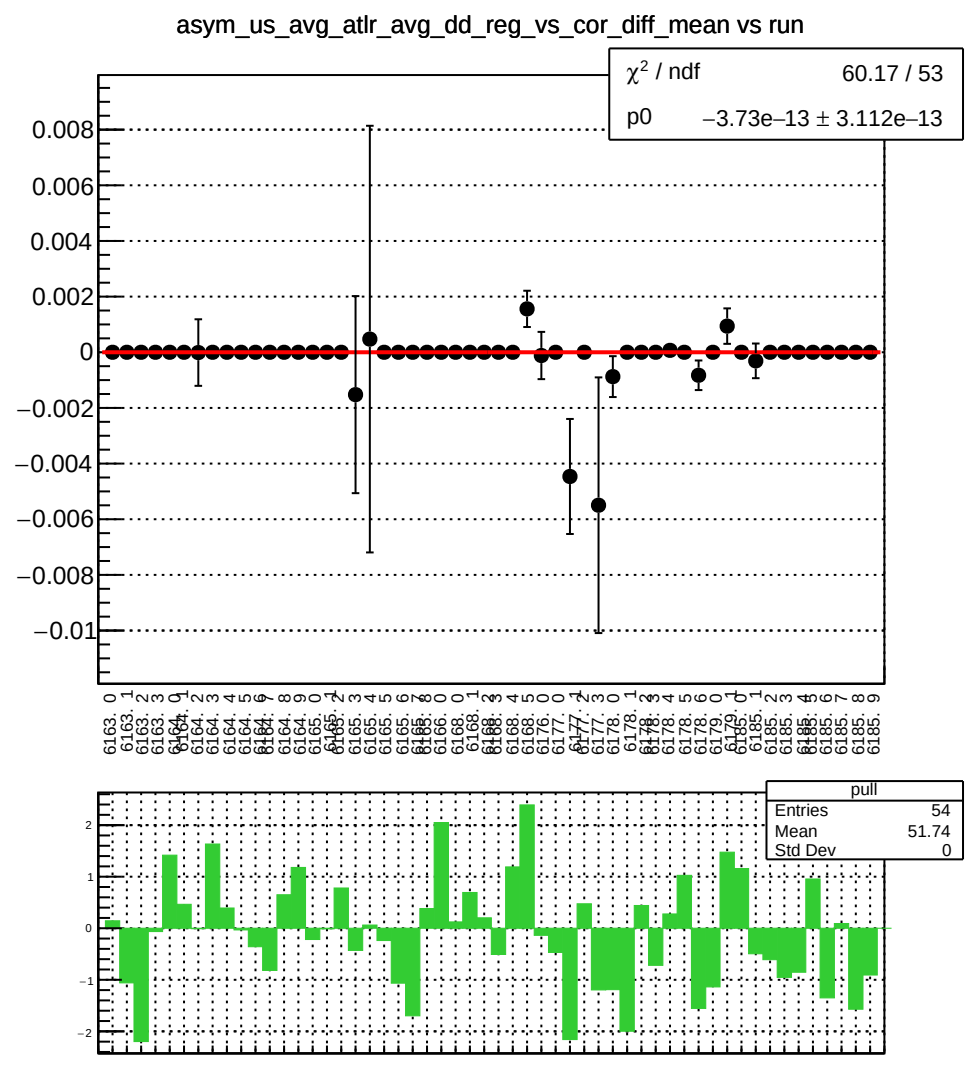

pull1D
Entries 54
Mean 0.02304
Std Dev 1.015

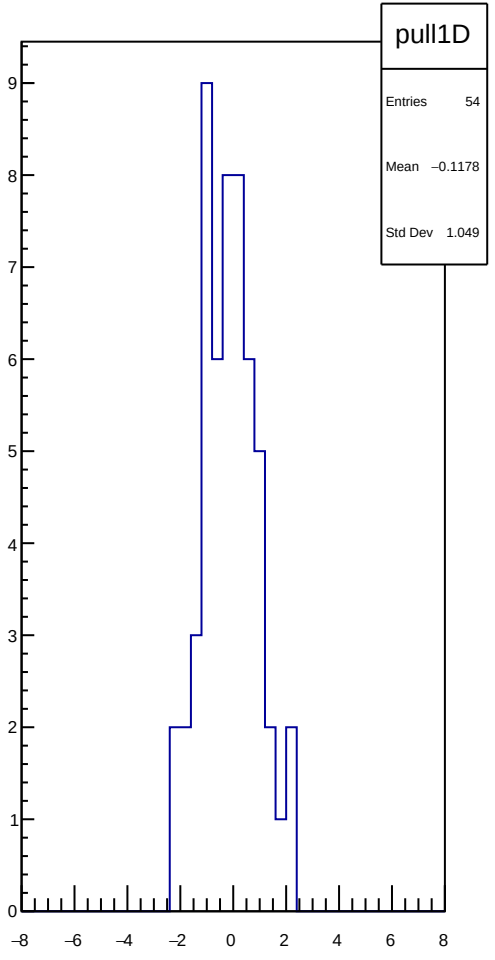

asym_us_avg_atlr_avg_dd_eigen_dit_correction_rms vs run
χ² / ndf 6.732e+04 / 53
p0 3260 ± 3.318
5500
5000
4500
4000
3500
3000
2500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

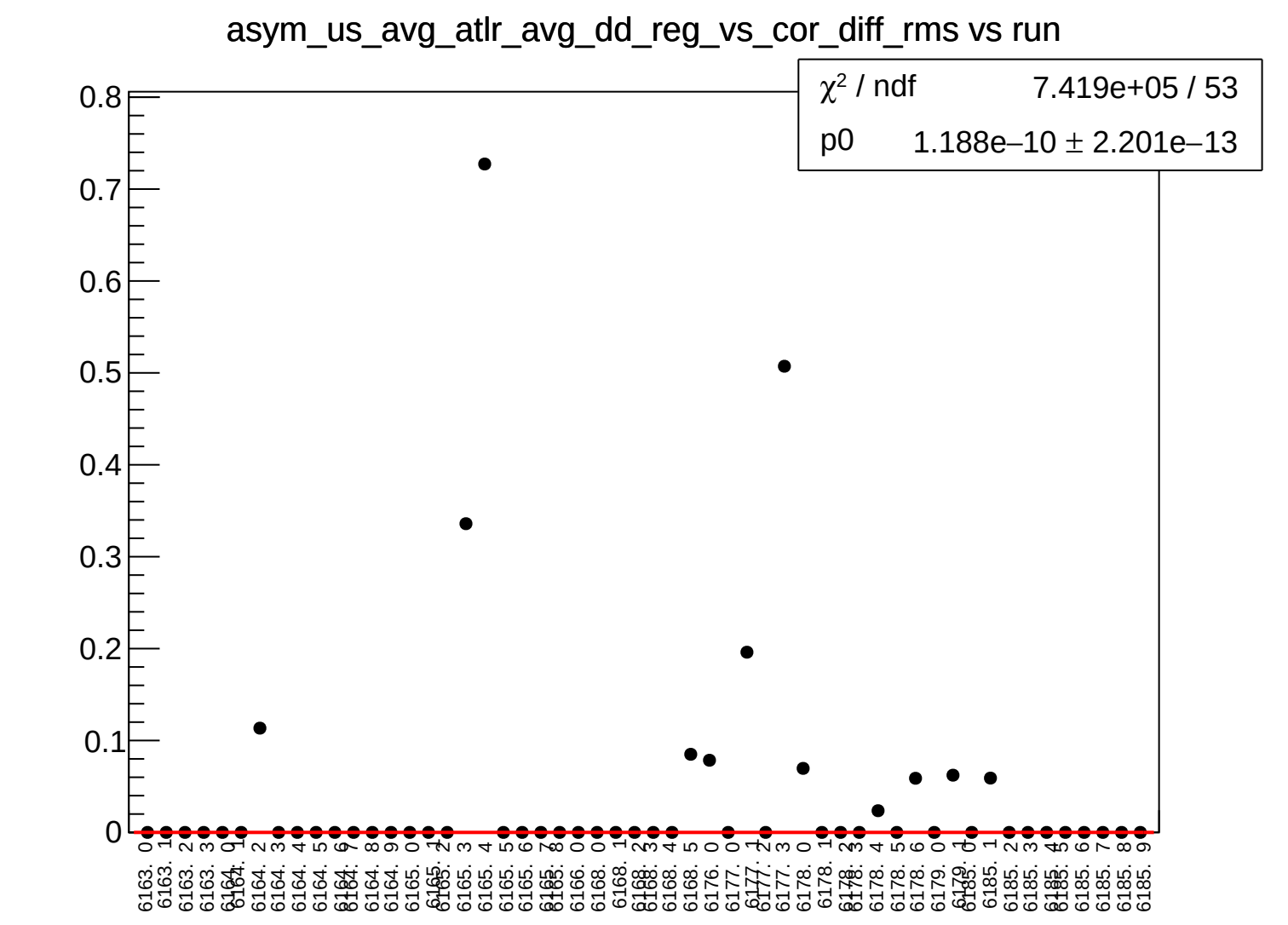

asym_us_avg_atlr_avg_dd_mean vs run
×10^3
χ² / ndf 61.63 / 53
p0 −7288 ± 4923
150
100
50
0
−50
−100
−150
pull
Entries 54
Mean 21.85
Std Dev 17.7
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

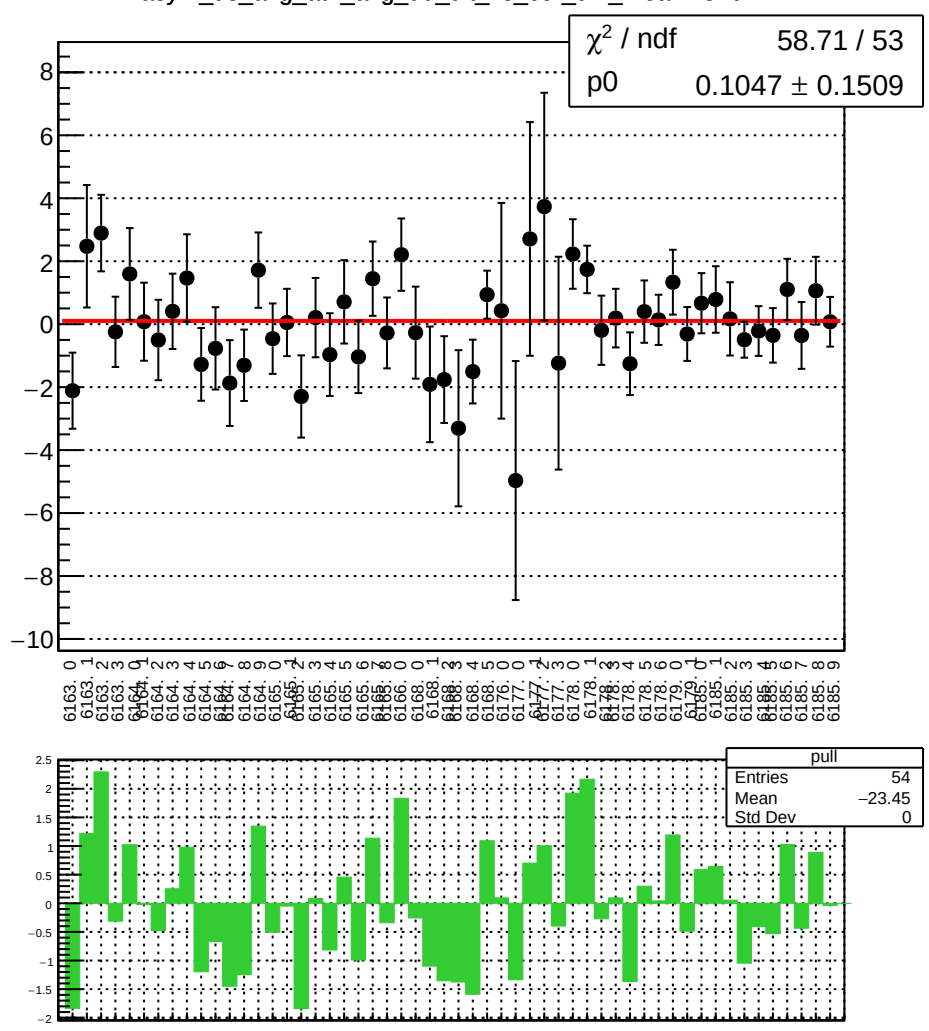

pull1D
Entries 54
Mean −0.02958
Std Dev 1.068
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

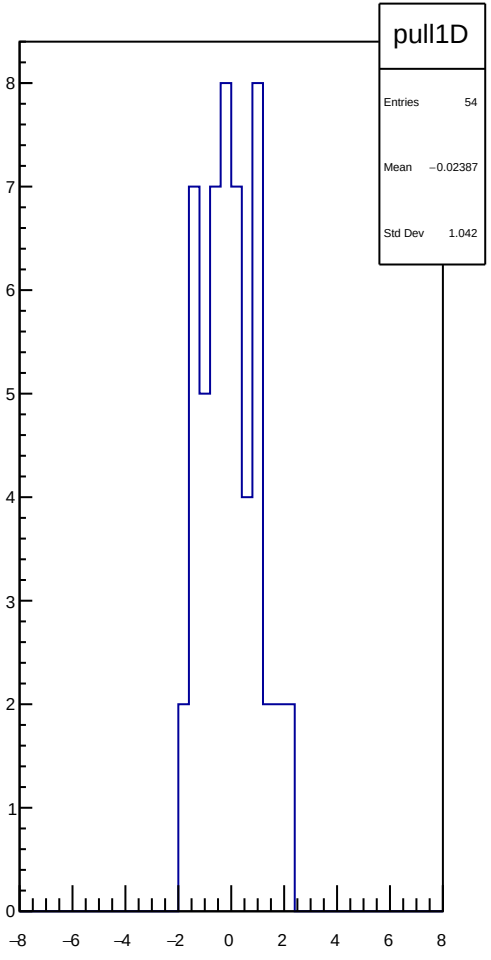

asym_us_avg_atlr_avg_dd_rms vs run
χ² / ndf 5.996e+04 / 53
p0 3434 ± 3.481
5500
5000
4500
4000
3500
3000
2500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

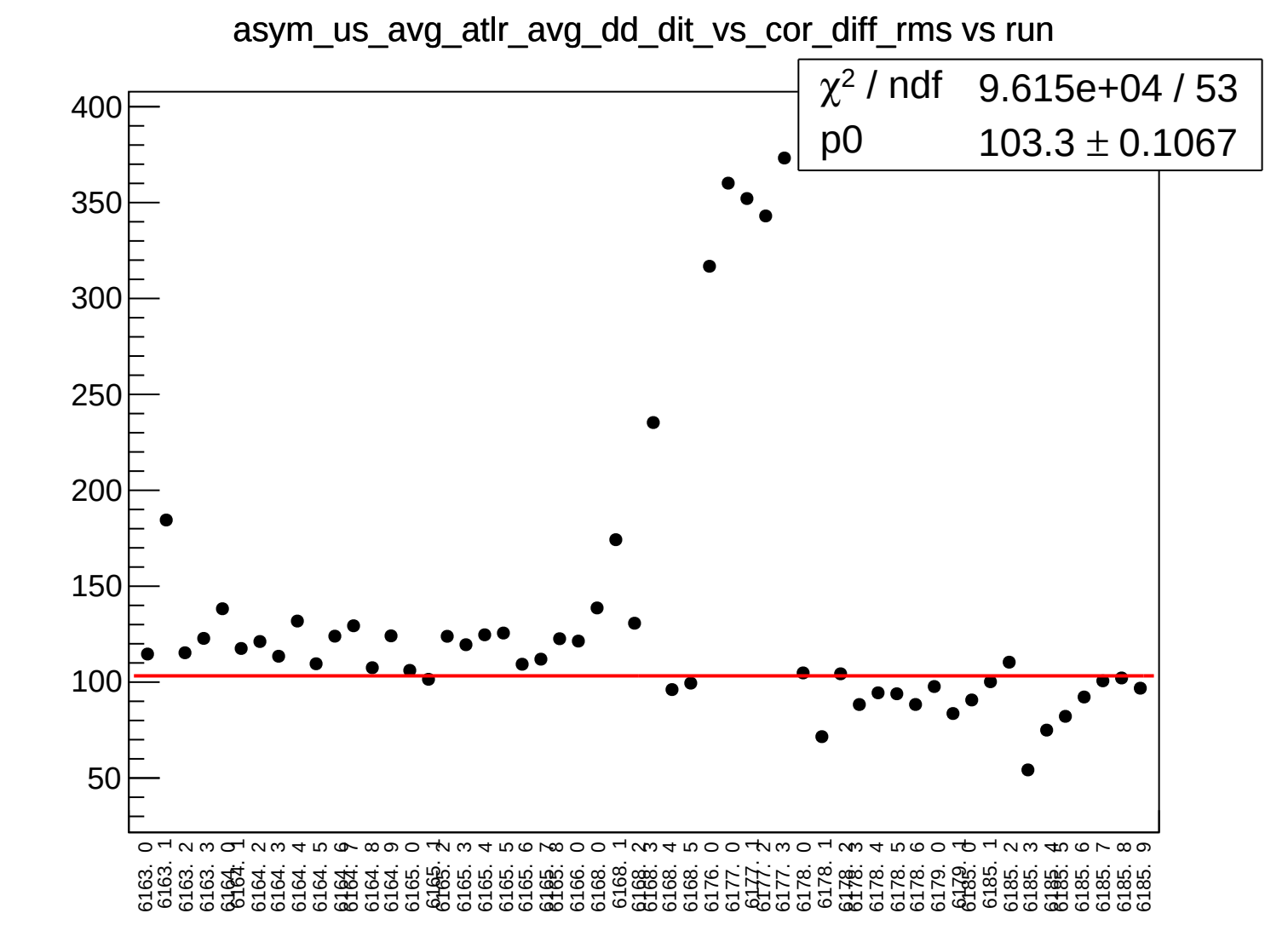

asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 60.17 / 53
p0 −3.73e−13 ± 3.112e−13
pull
Entries 54
Mean 51.74
Std Dev 0

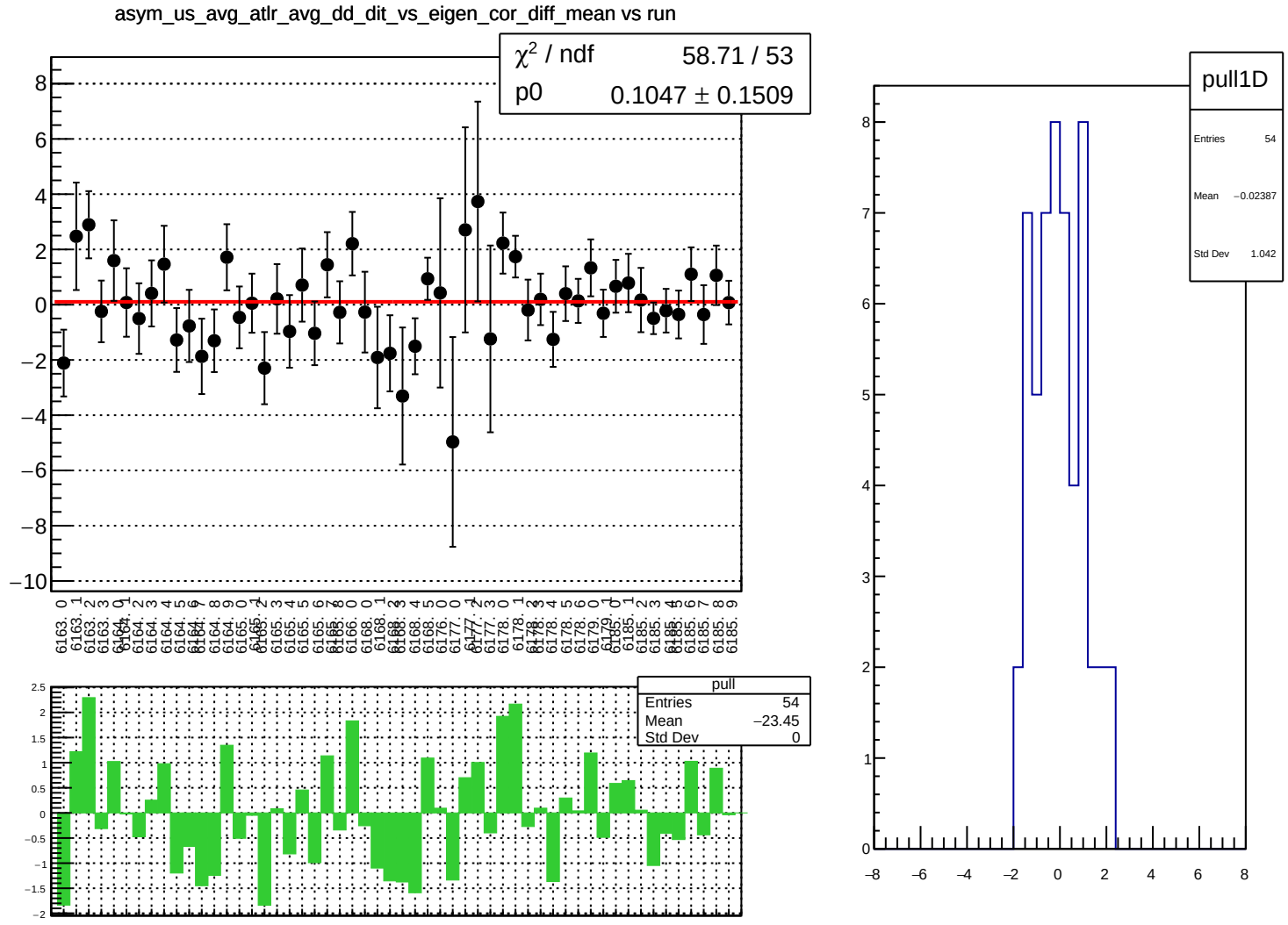

pull1D
Entries 54
Mean −0.1178
Std Dev 1.049

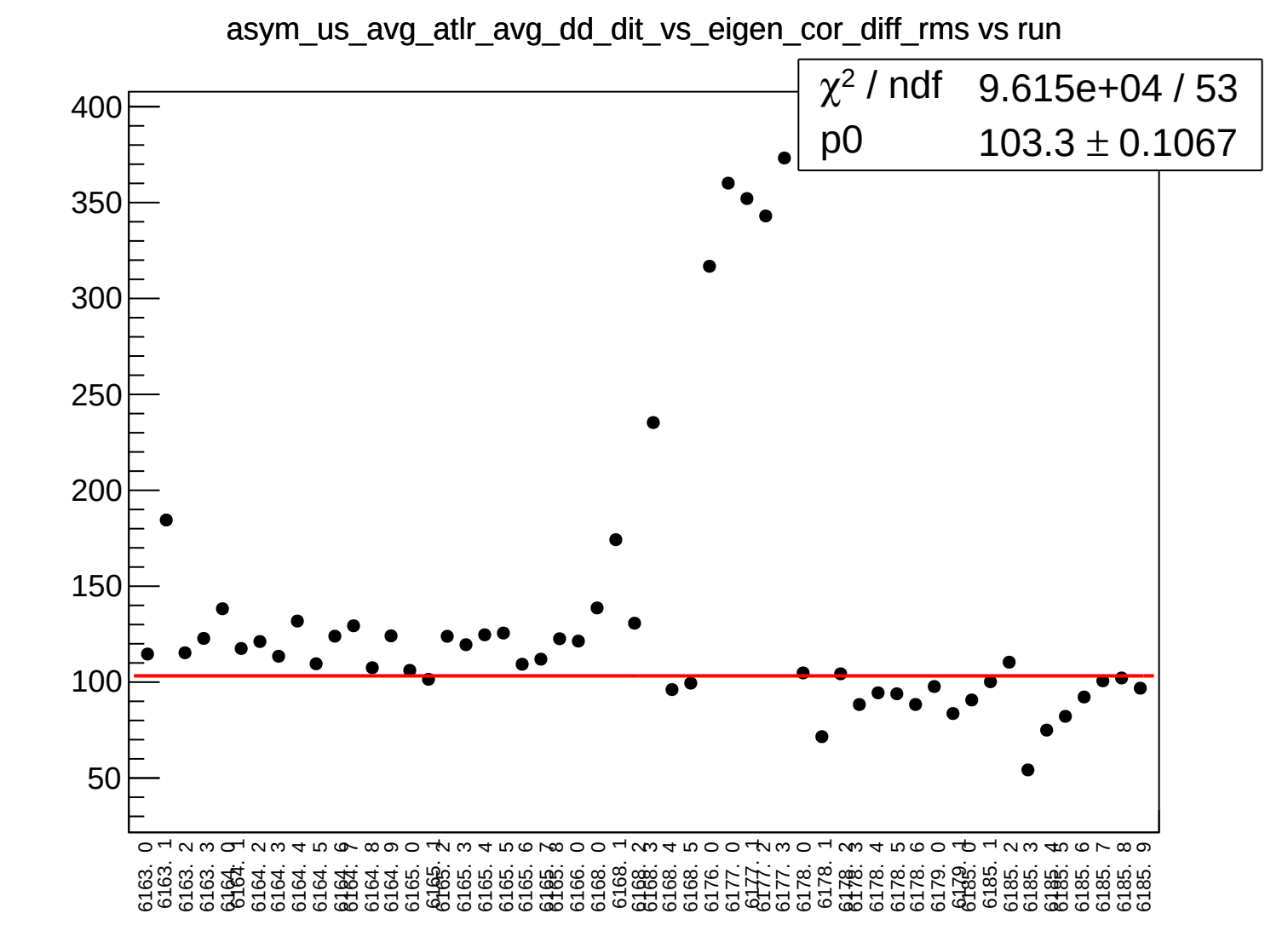

asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 7.419e+05 / 53
p0 1.188e−10 ± 2.201e−13
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 2
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

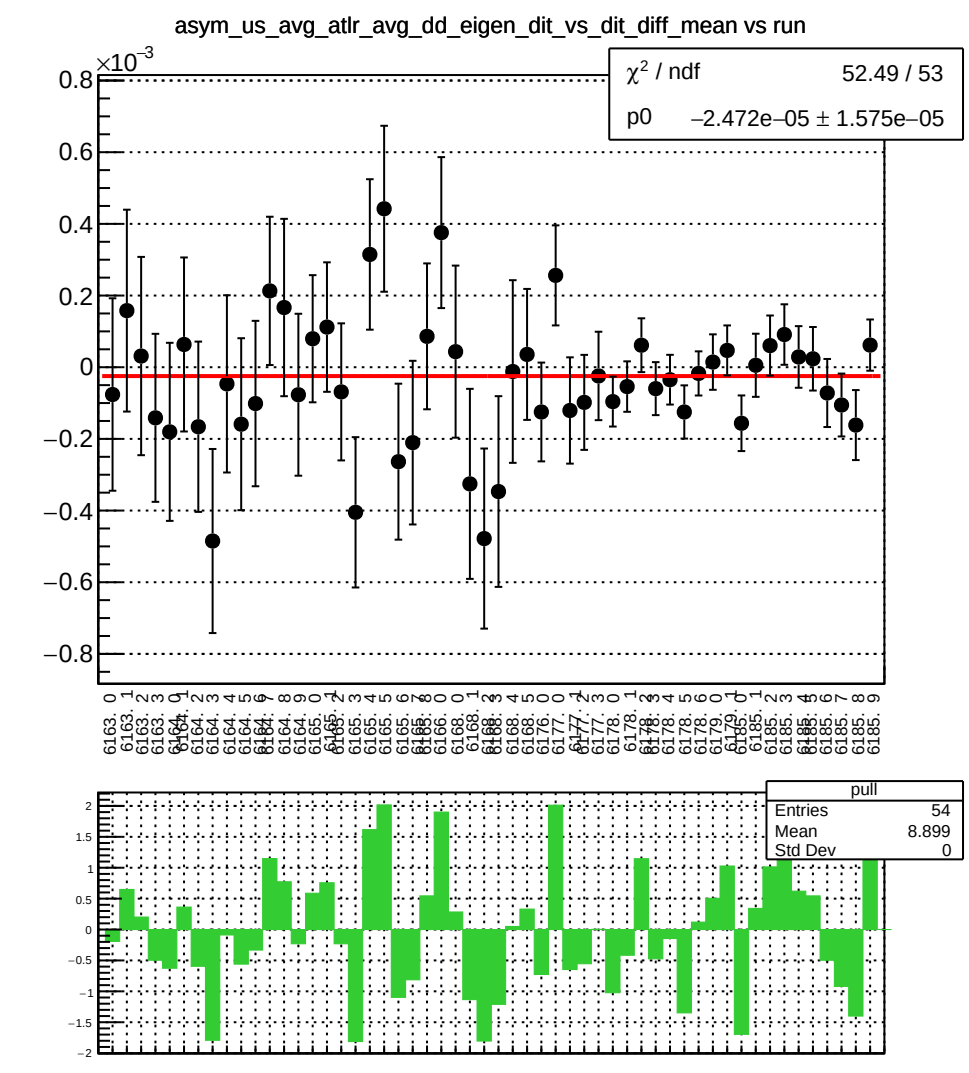

asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 58.71 / 53
p0 0.1047 ± 0.1509
pull
Entries 54
Mean −23.45
Std Dev 0

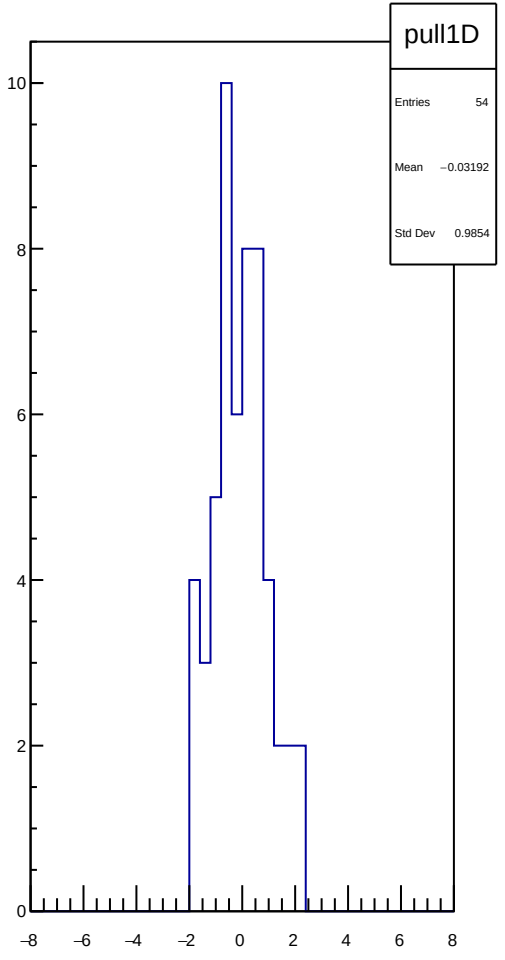

pull1D
Entries 54
Mean −0.02387
Std Dev 1.042

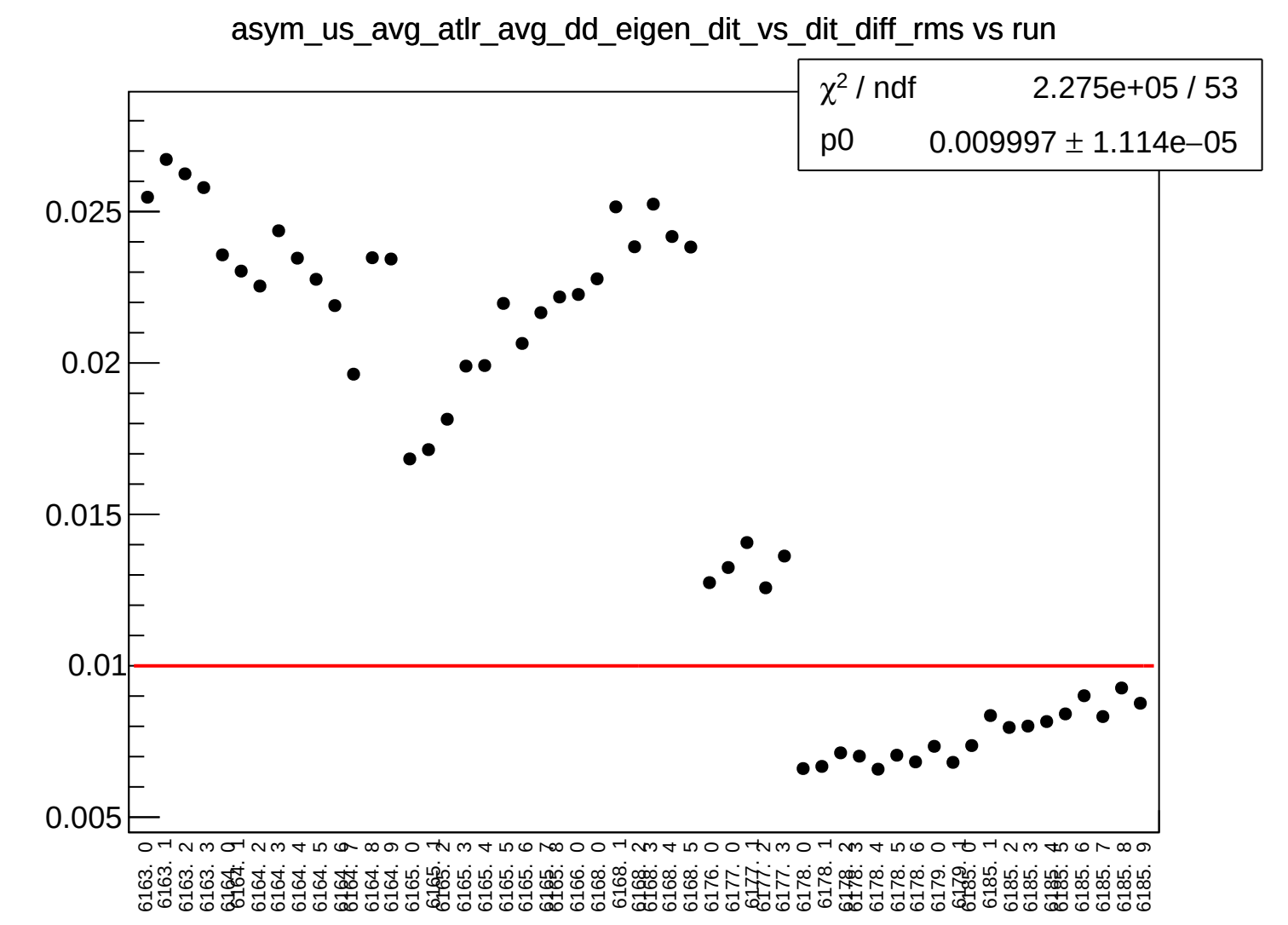

asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 9.615e+04 / 53
p0 103.3 ± 0.1067
400
350
300
250
200
150
100
50
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 3
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 58.71 / 53
p0 0.1047 ± 0.1509
pull
Entries 54
Mean −23.45
Std Dev 0
pull1D
Entries 54
Mean −0.02387
Std Dev 1.042


asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.615e+04 / 53
p0 103.3 ± 0.1067
400
350
300
250
200
150
100
50
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 3
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 52.49 / 53
p0 −2.472e−05 ± 1.575e−05
pull
Entries 54
Mean 8.899
Std Dev 0


pull1D
Entries 54
Mean −0.03192
Std Dev 0.9854


asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.275e+05 / 53
p0 0.009997 ± 1.114e−05
0.025
0.02
0.015
0.01
0.005
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
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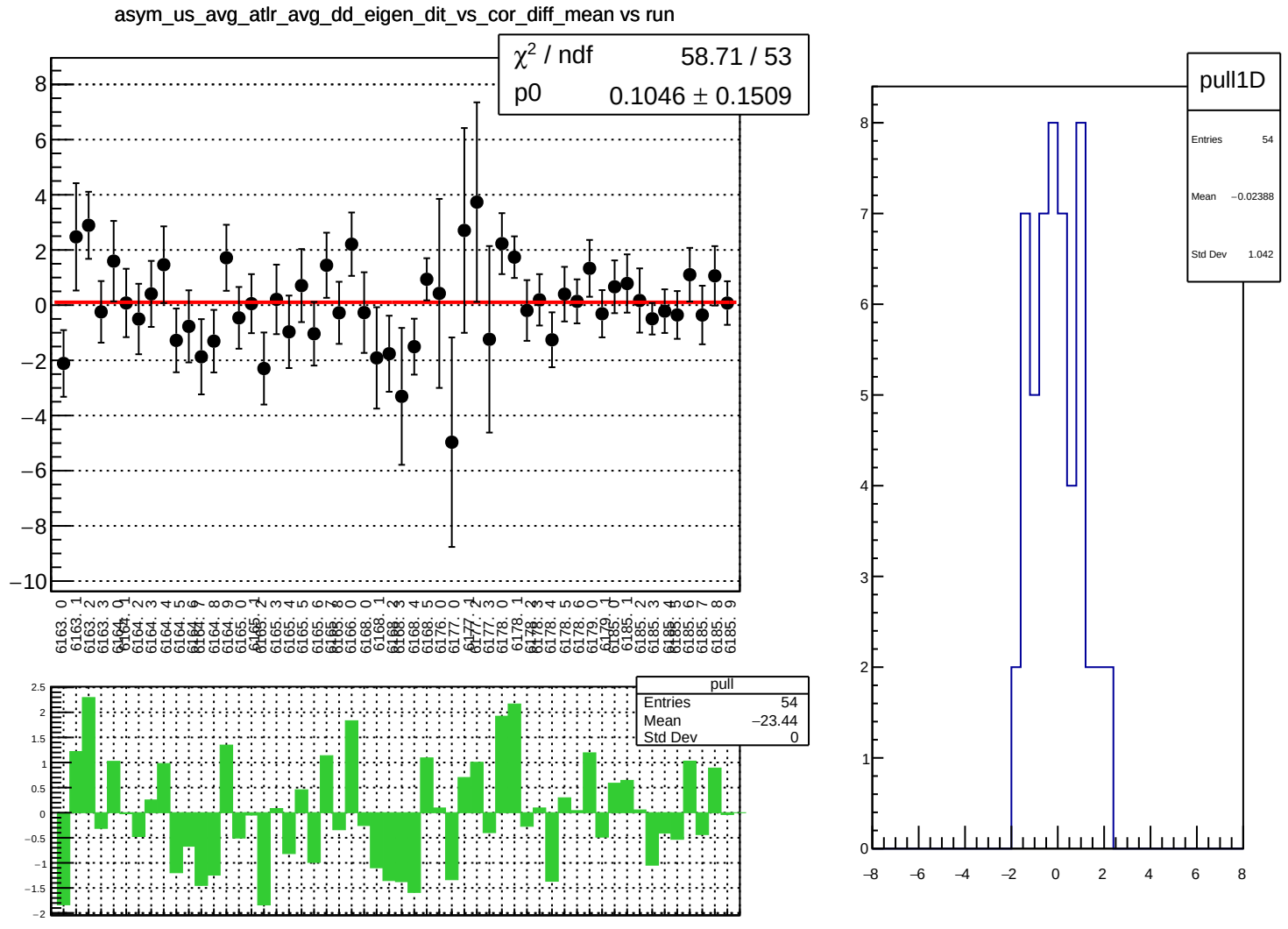
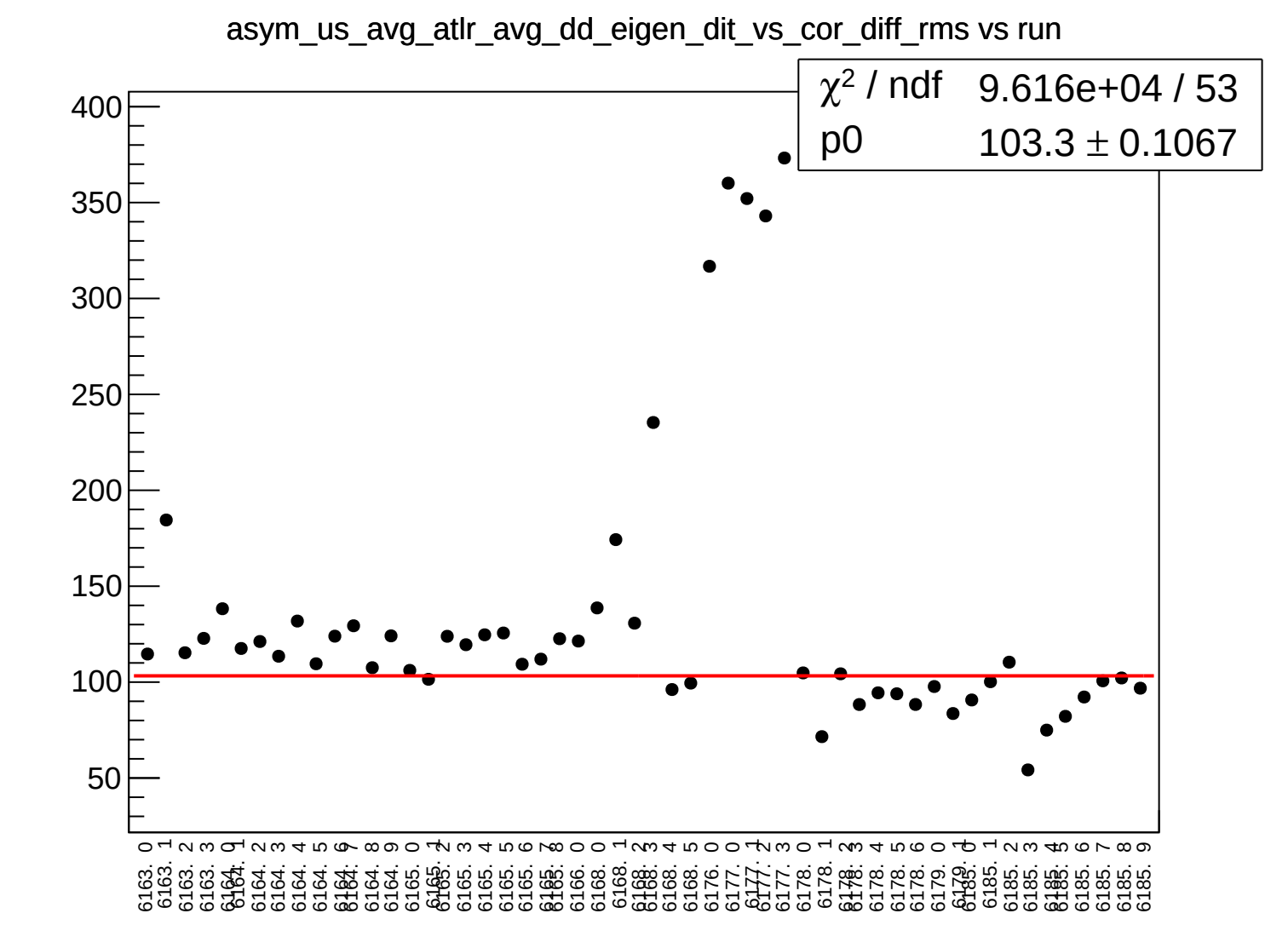
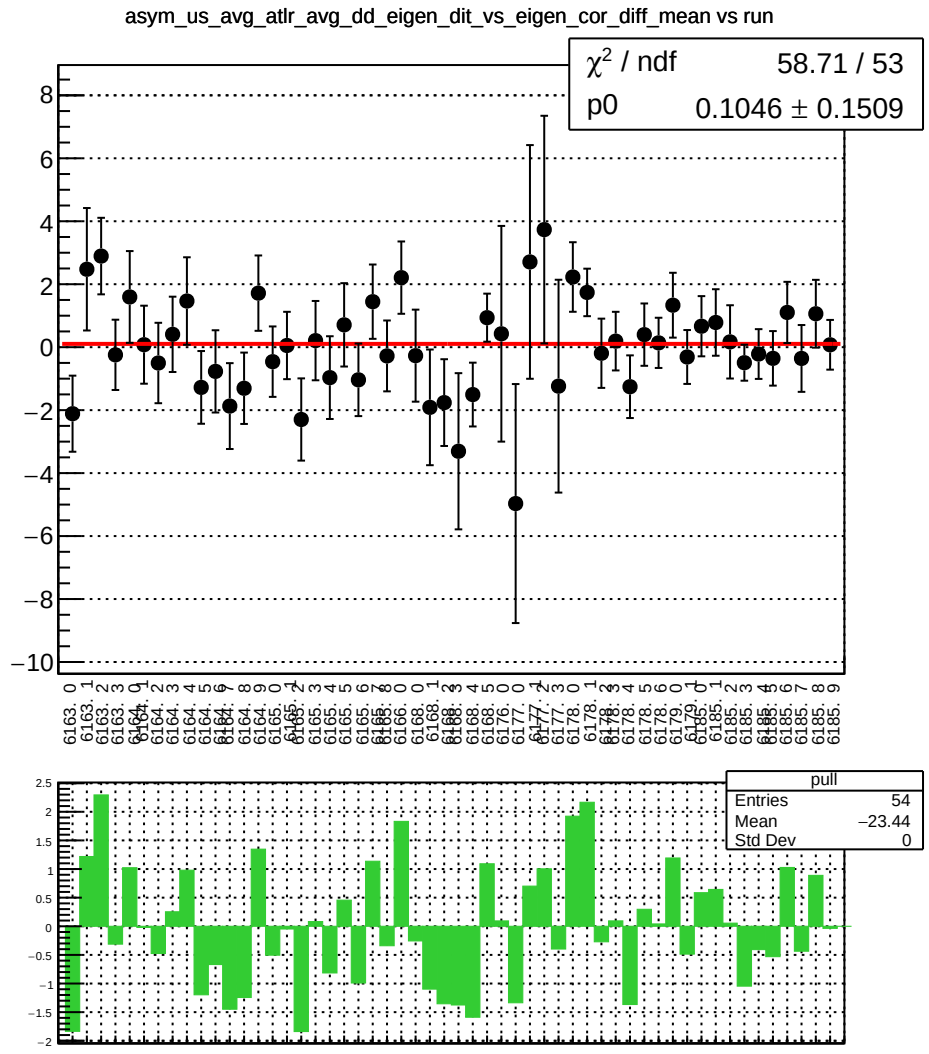
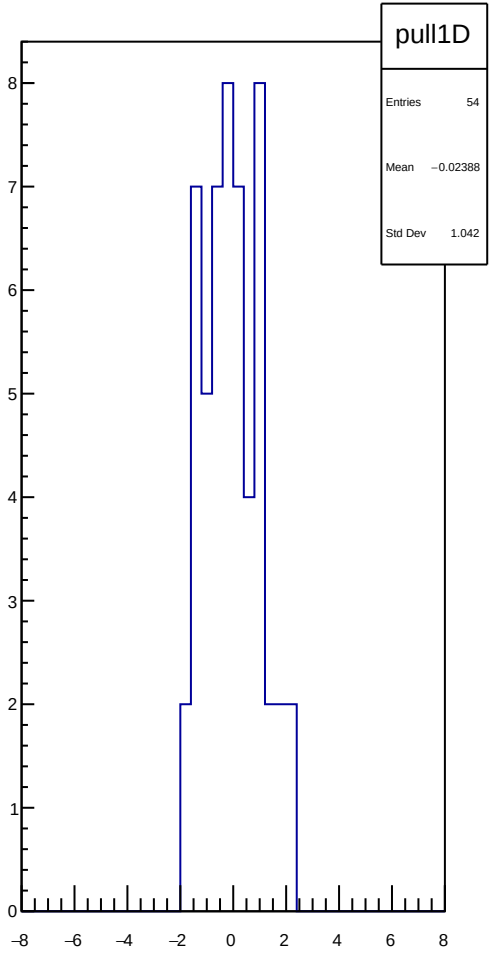
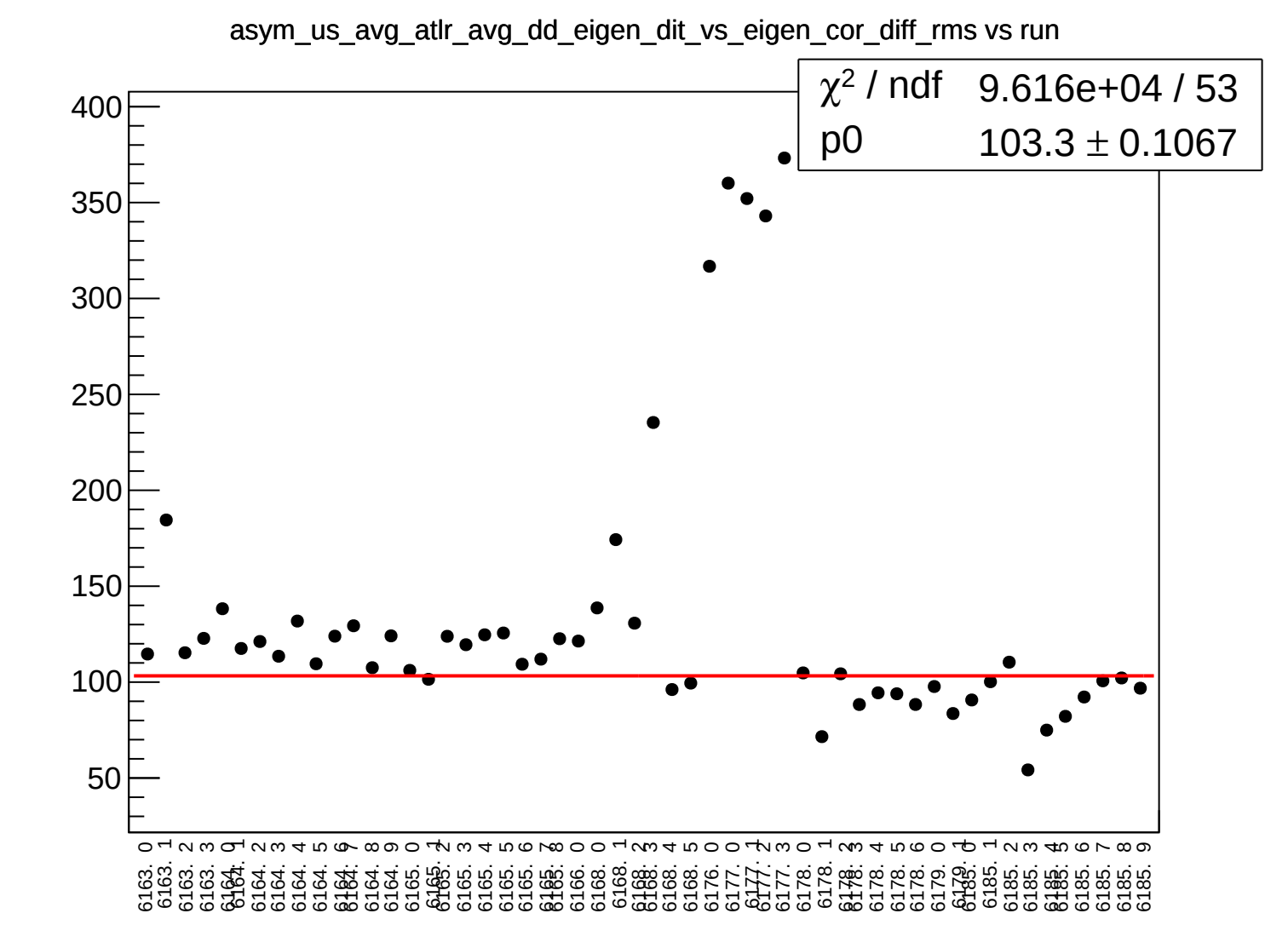
6185. 7
6185. 8
6185. 9


asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 58.71 / 53
p0 0.1046 ± 0.1509
pull
Entries 54
Mean −23.44
Std Dev 0
pull1D
Entries 54
Mean −0.02388
Std Dev 1.042


asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 9.616e+04 / 53
p0 103.3 ± 0.1067
400
350
300
250
200
150
100
50
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 3
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 58.71 / 53
p0 0.1046 ± 0.1509
pull
Entries 54
Mean −23.44
Std Dev 0


pull1D
Entries 54
Mean −0.02388
Std Dev 1.042


asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.616e+04 / 53
p0 103.3 ± 0.1067
400
350
300
250
200
150
100
50
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
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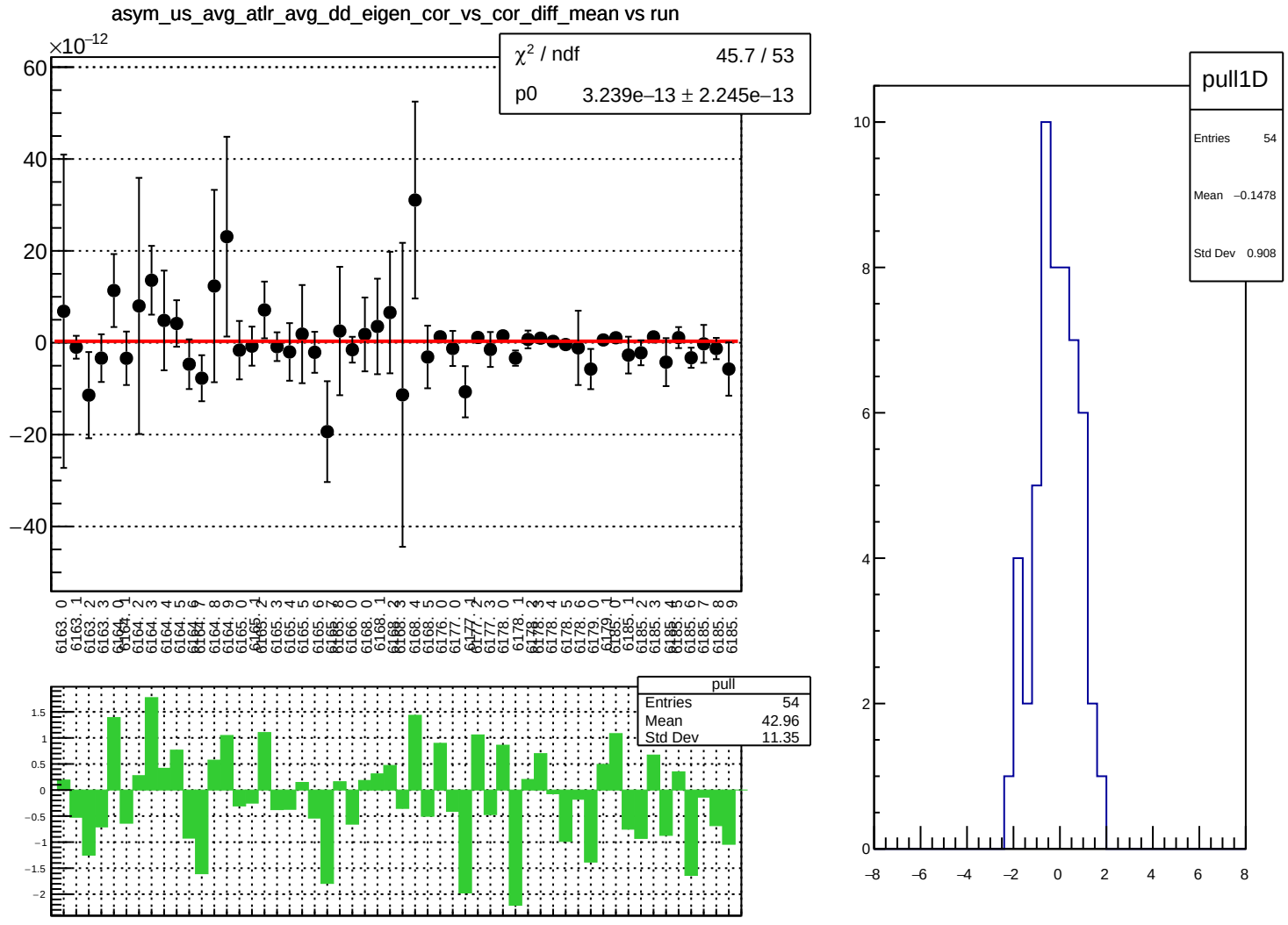
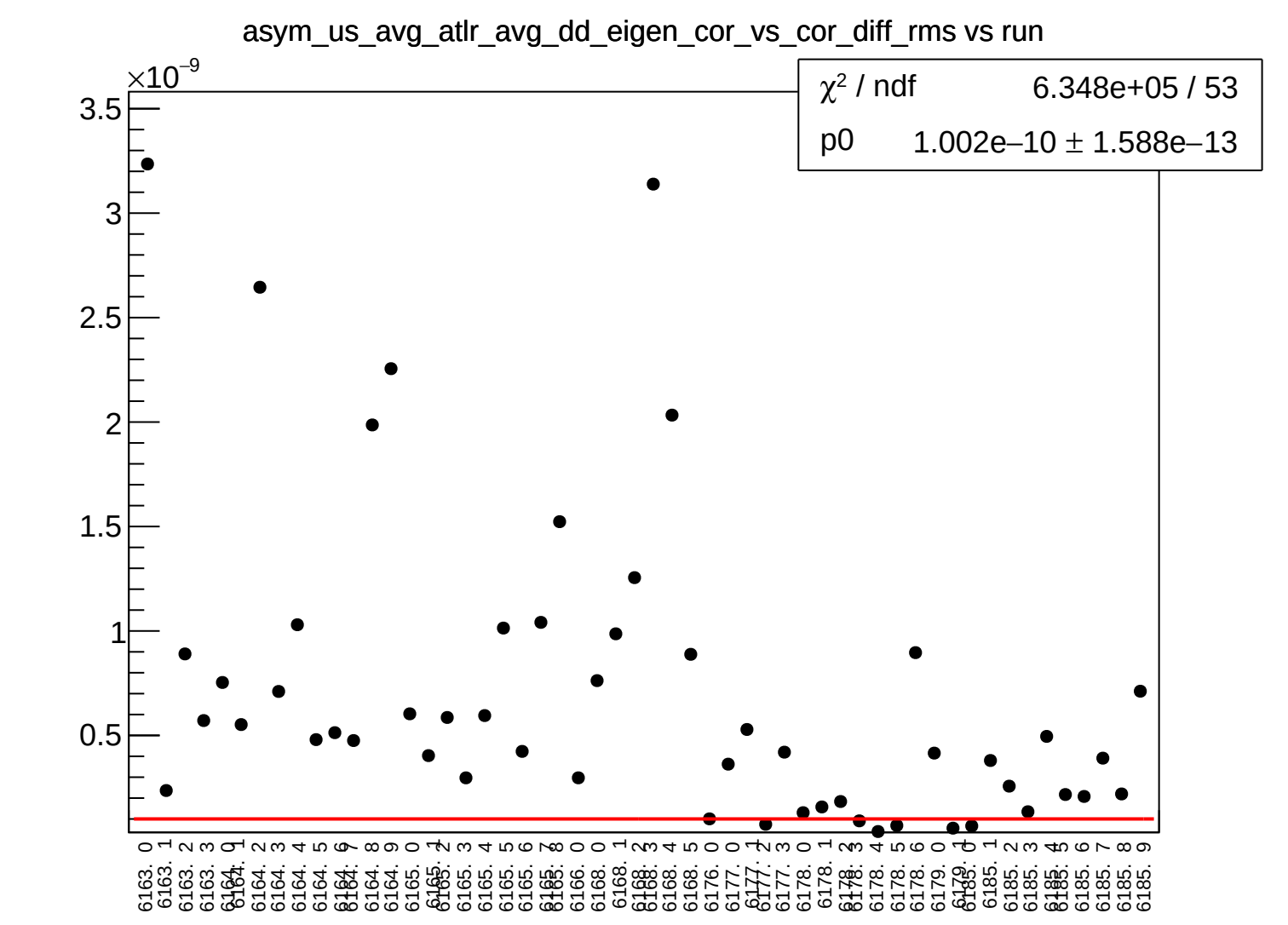
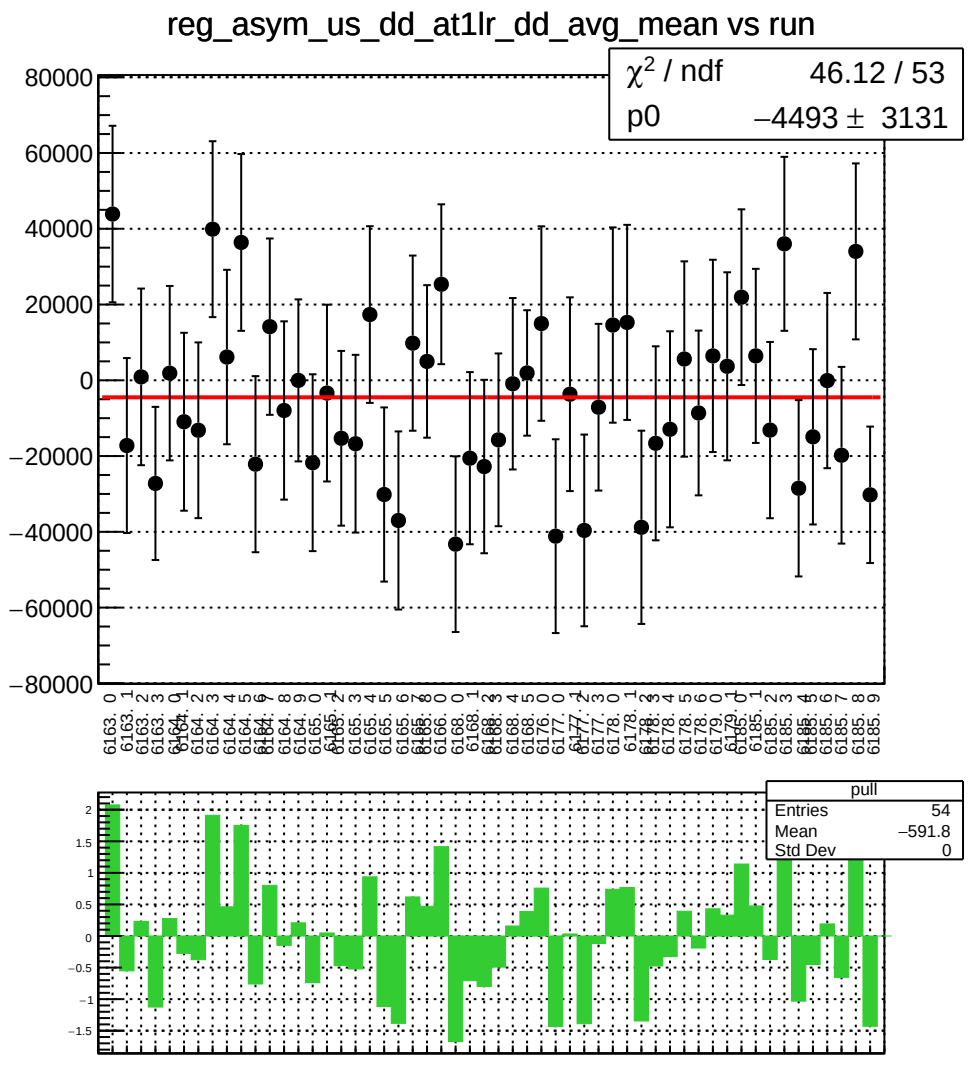
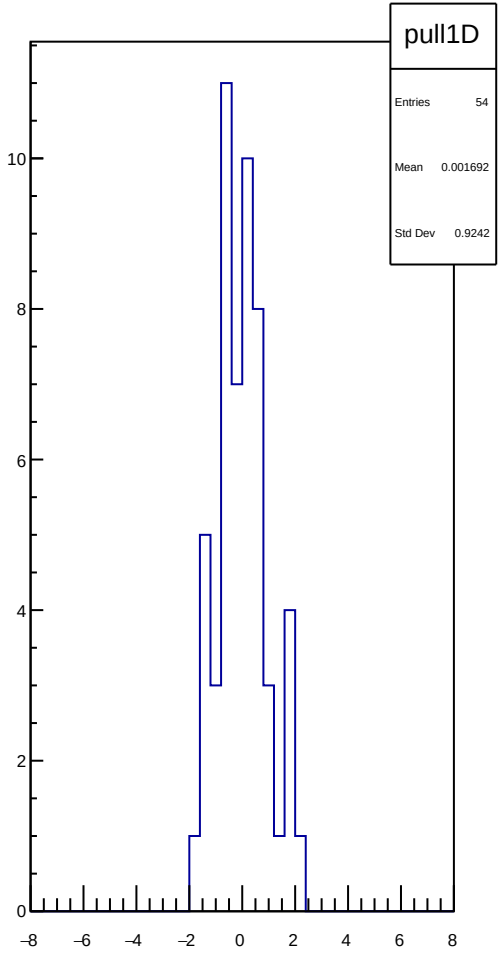
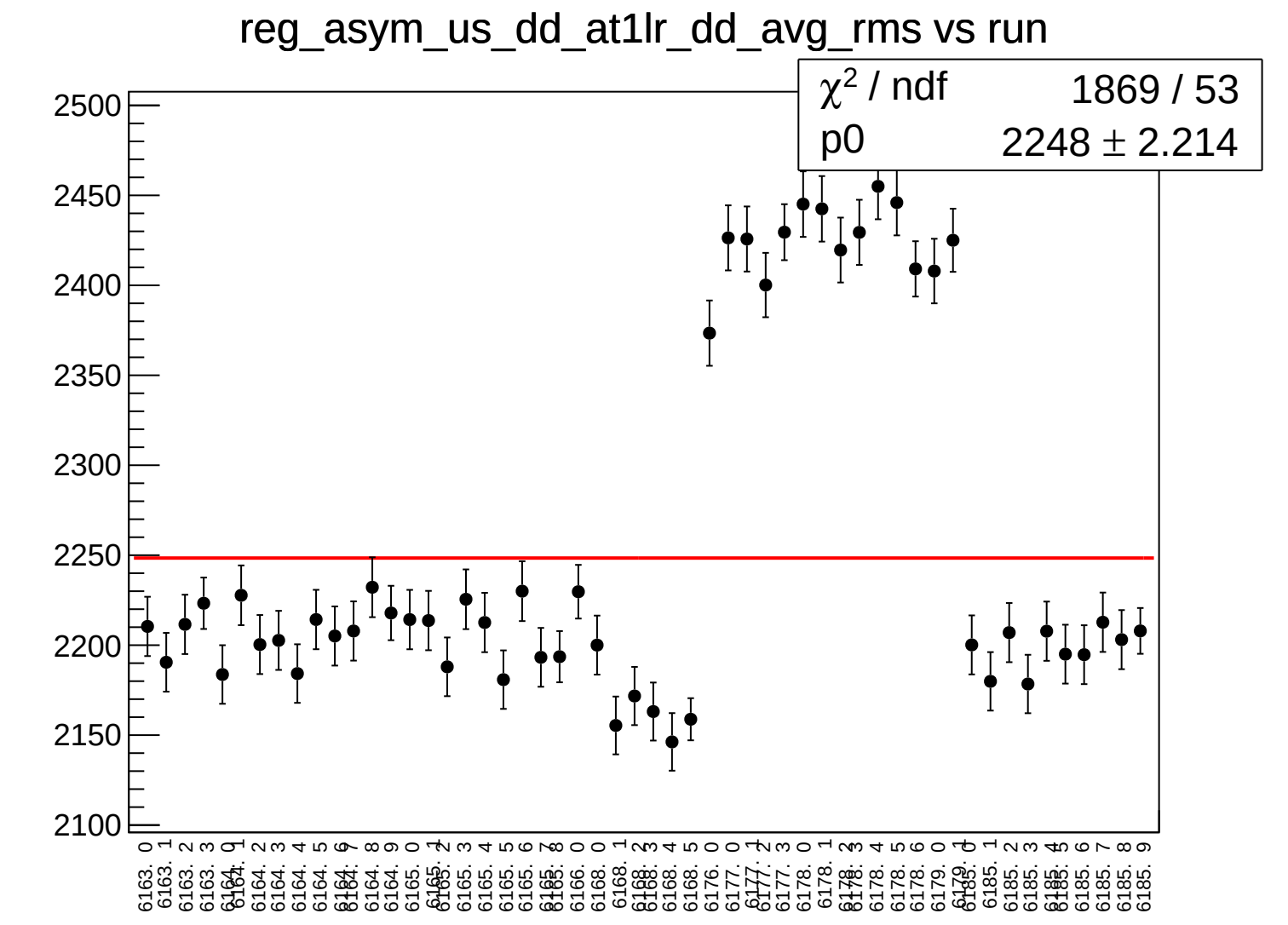
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

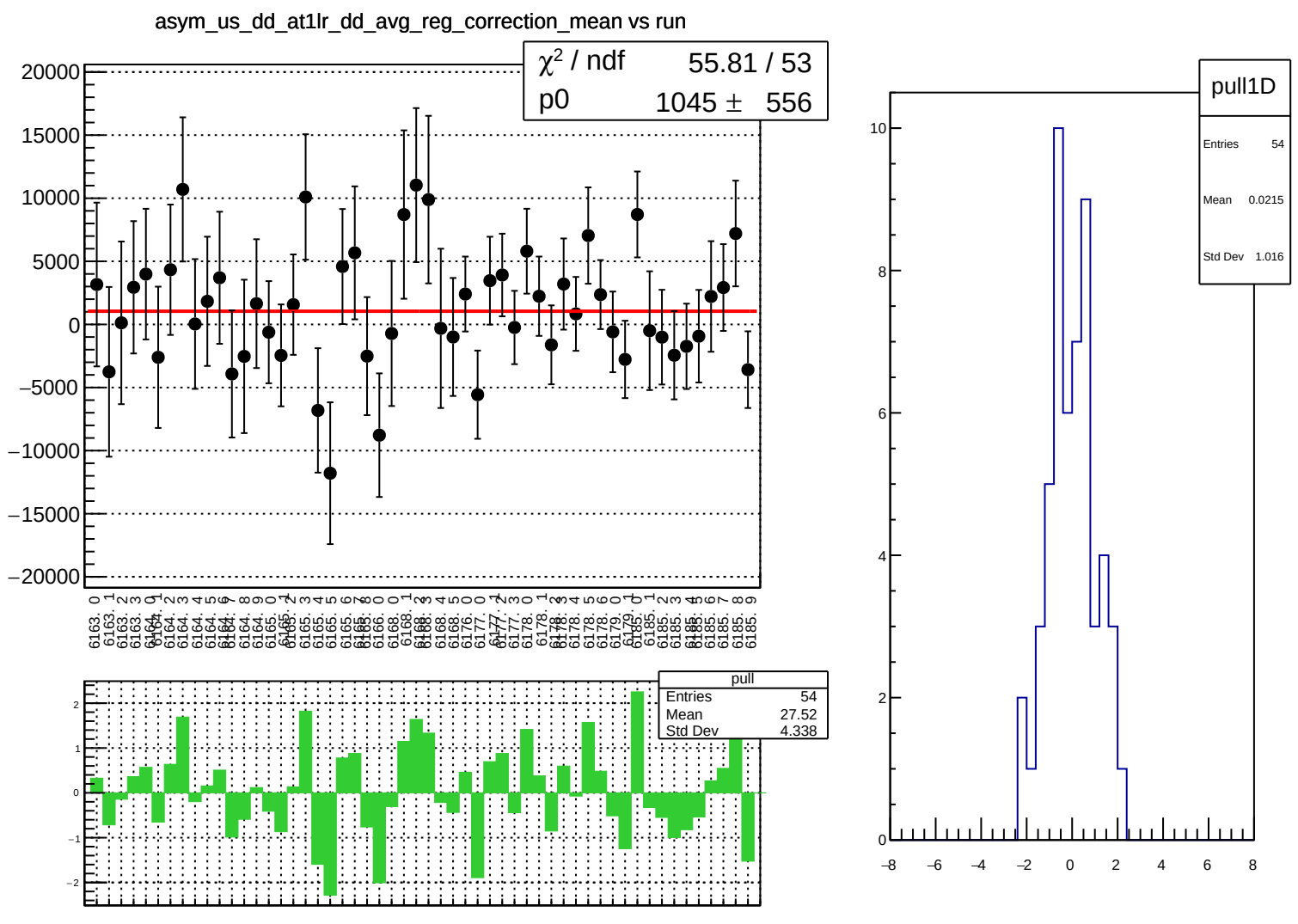

asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 45.7 / 53
p0 3.239e−13 ± 2.245e−13
pull
Entries 54
Mean 42.96
Std Dev 11.35
pull1D
Entries 54
Mean −0.1478
Std Dev 0.908

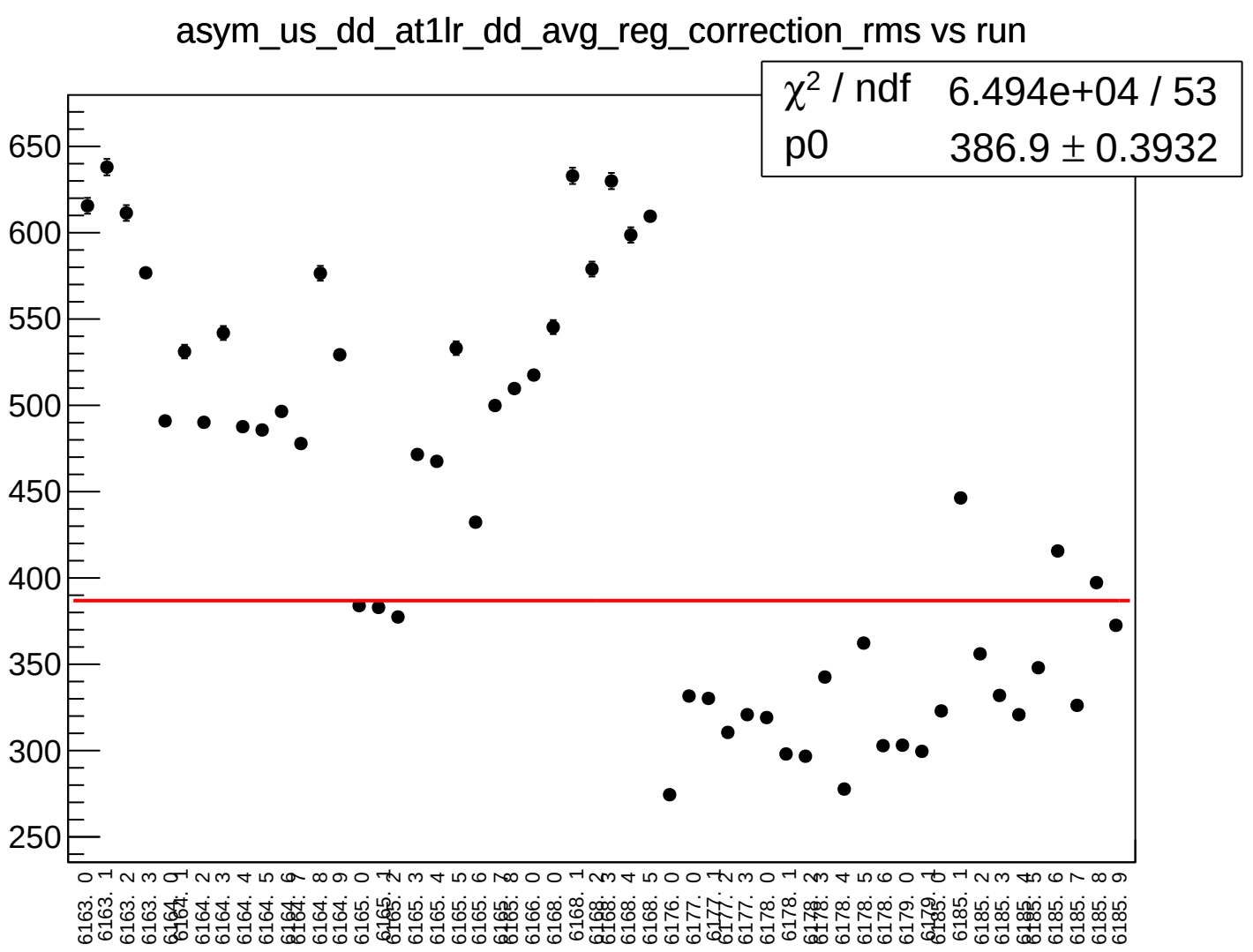

asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.348e+05 / 53
p0 1.002e−10 ± 1.588e−13
3.5
3
2.5
2
1.5
1
0.5
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

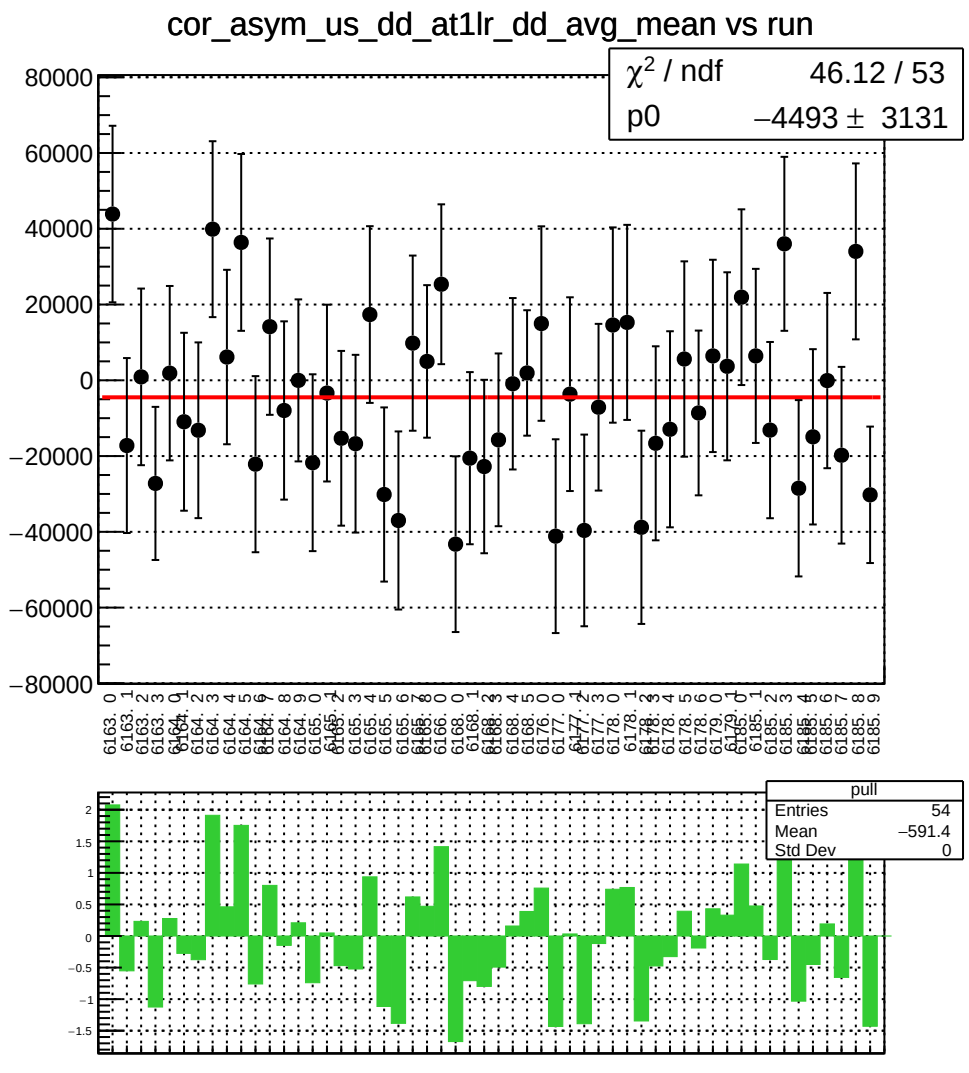

reg_asym_us_dd_at1lr_dd_avg_mean vs run
χ² / ndf 46.12 / 53
p0 −4493 ± 3131
pull
Entries 54
Mean −591.8
Std Dev 0

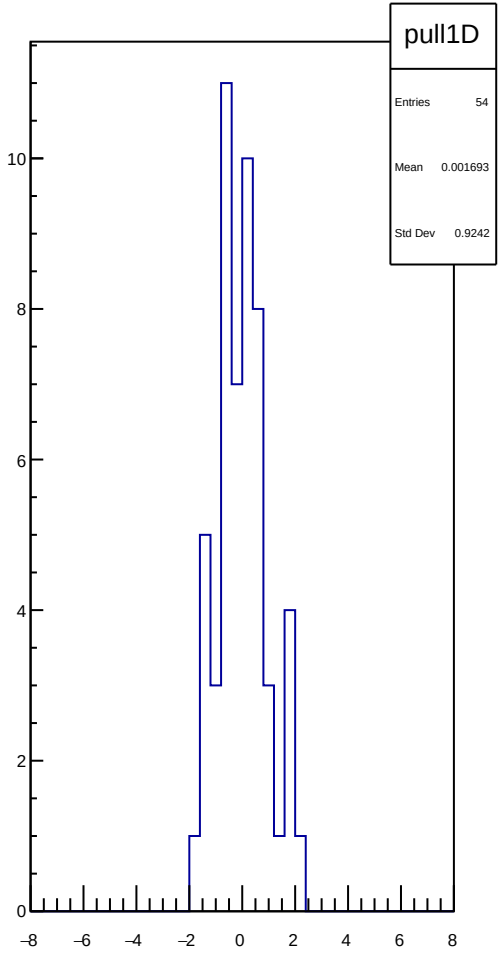

pull1D
Entries 54
Mean 0.001692
Std Dev 0.9242

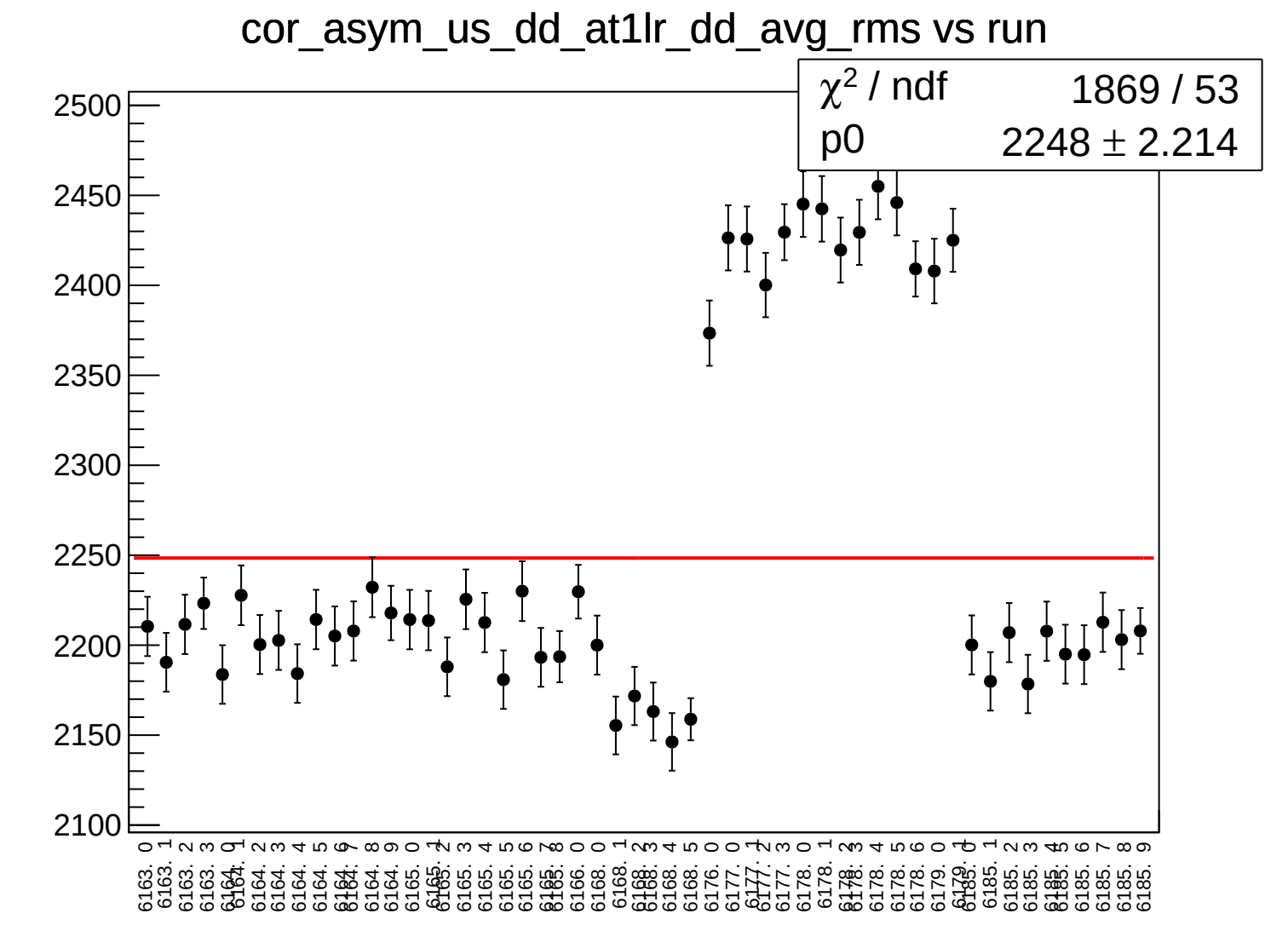

reg_asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 1869 / 53
p0 2248 ± 2.214
2500
2450
2400
2350
2300
2250
2200
2150
2100
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


asym_us_dd_at1lr_dd_avg_reg_correction_mean vs run
χ² / ndf 55.81 / 53
p0 1045 ± 556
pull
Entries 54
Mean 27.52
Std Dev 4.338
pull1D
Entries 54
Mean 0.0215
Std Dev 1.016


asym_us_dd_at1lr_dd_avg_reg_correction_rms vs run
χ² / ndf 6.494e+04 / 53
p0 386.9 ± 0.3932
650
600
550
500
450
400
350
300
250
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6168. 0
6168. 1
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


cor_asym_us_dd_at1lr_dd_avg_mean vs run
χ² / ndf 46.12 / 53
p0 −4493 ± 3131
pull
Entries 54
Mean −591.4
Std Dev 0


pull1D
Entries 54
Mean 0.001693
Std Dev 0.9242


cor_asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 1869 / 53
p0 2248 ± 2.214
2500
2450
2400
2350
2300
2250
2200
2150
2100
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
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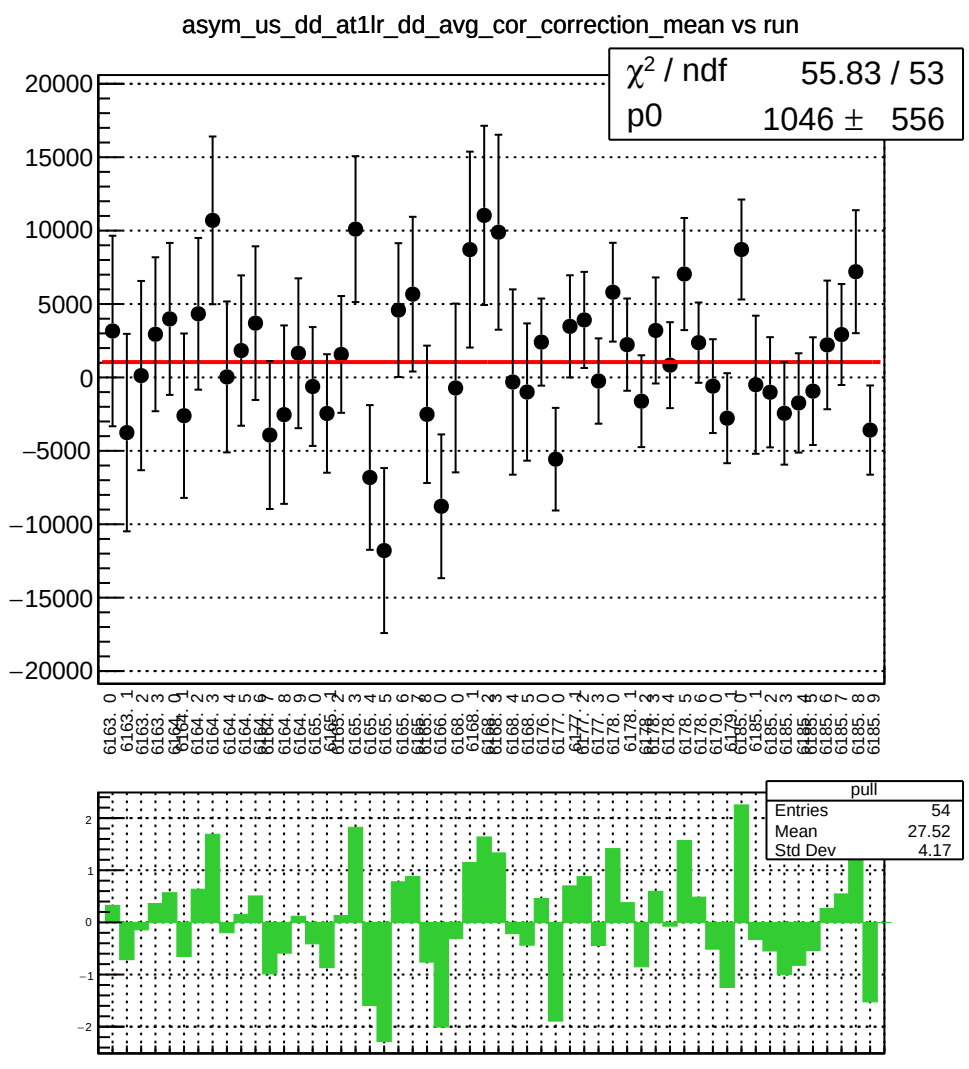
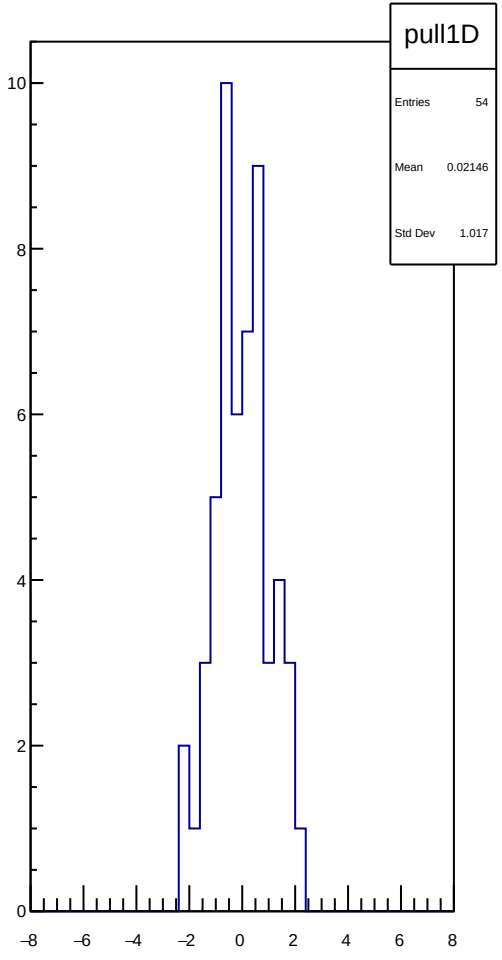
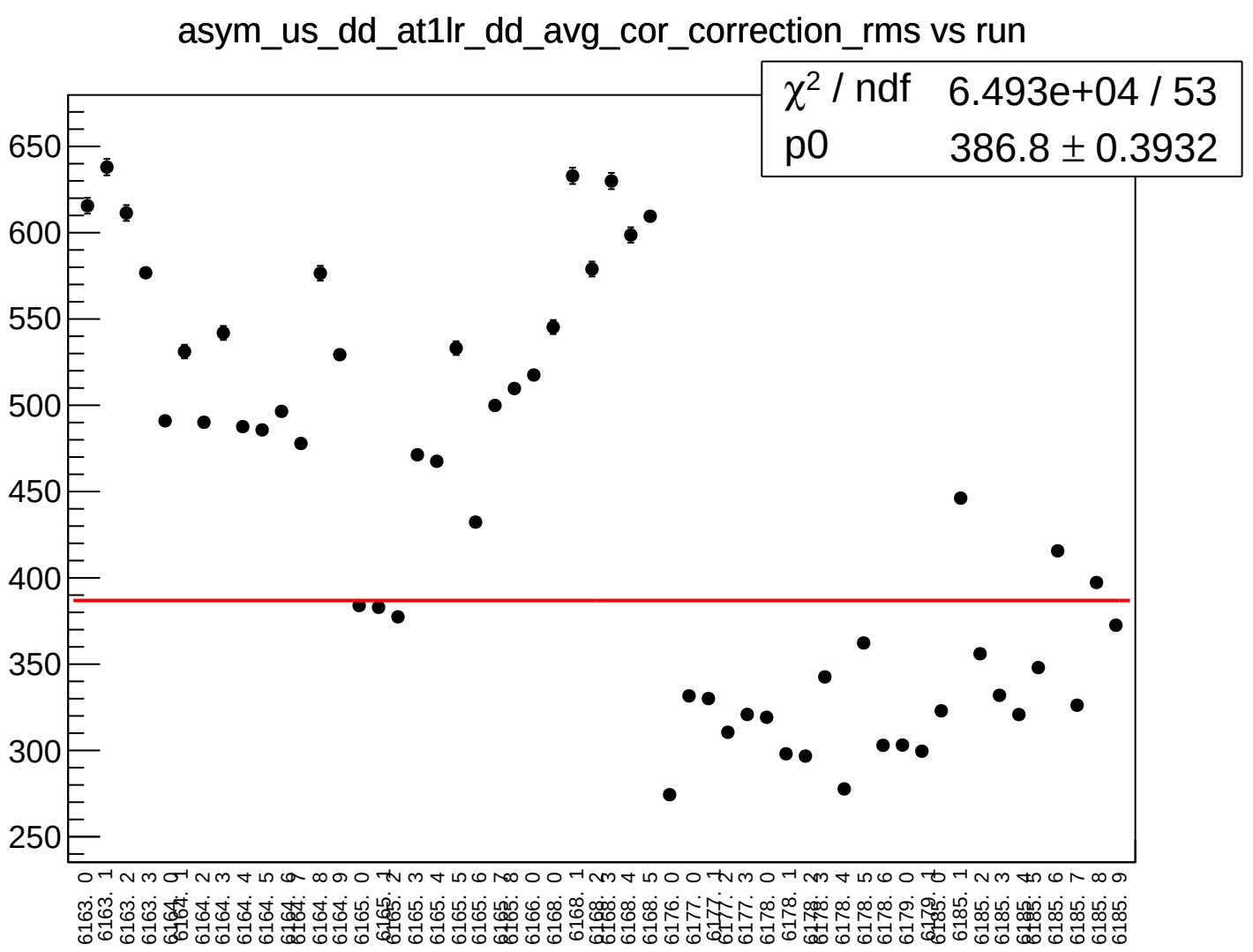
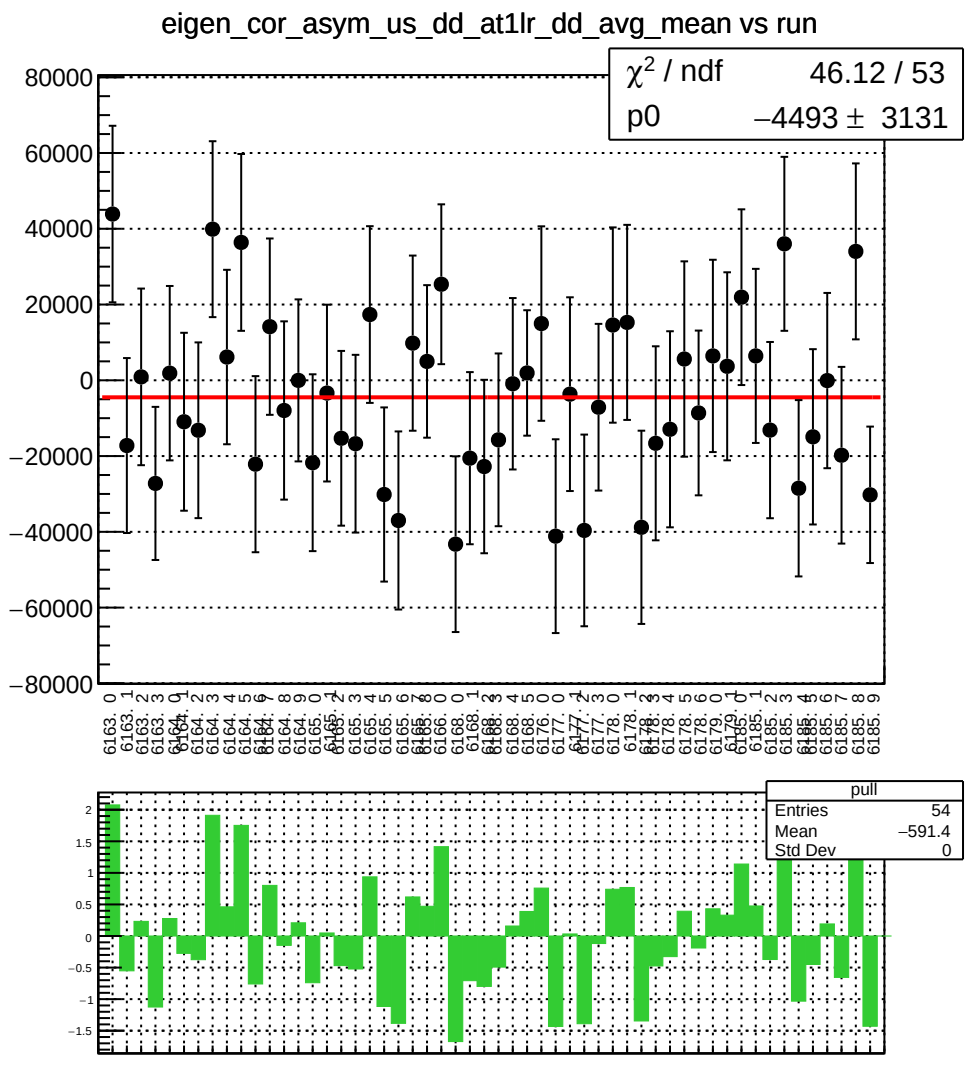
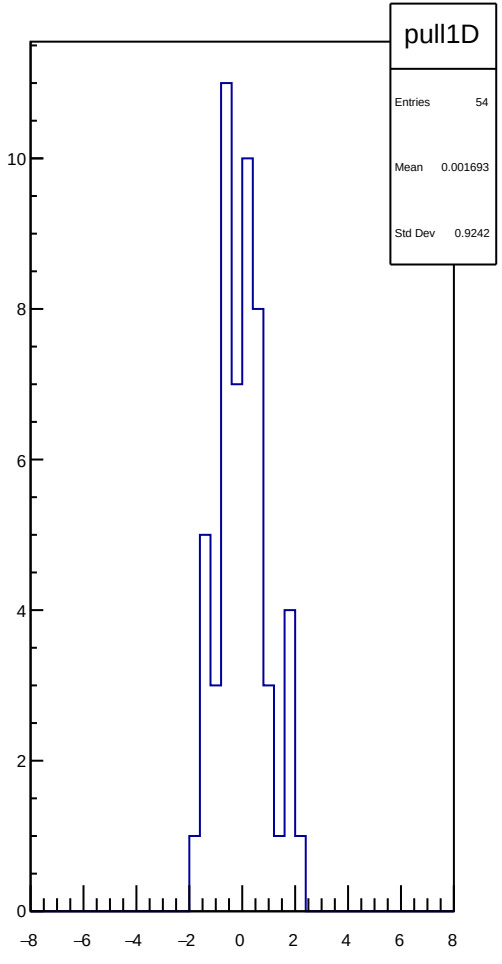
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

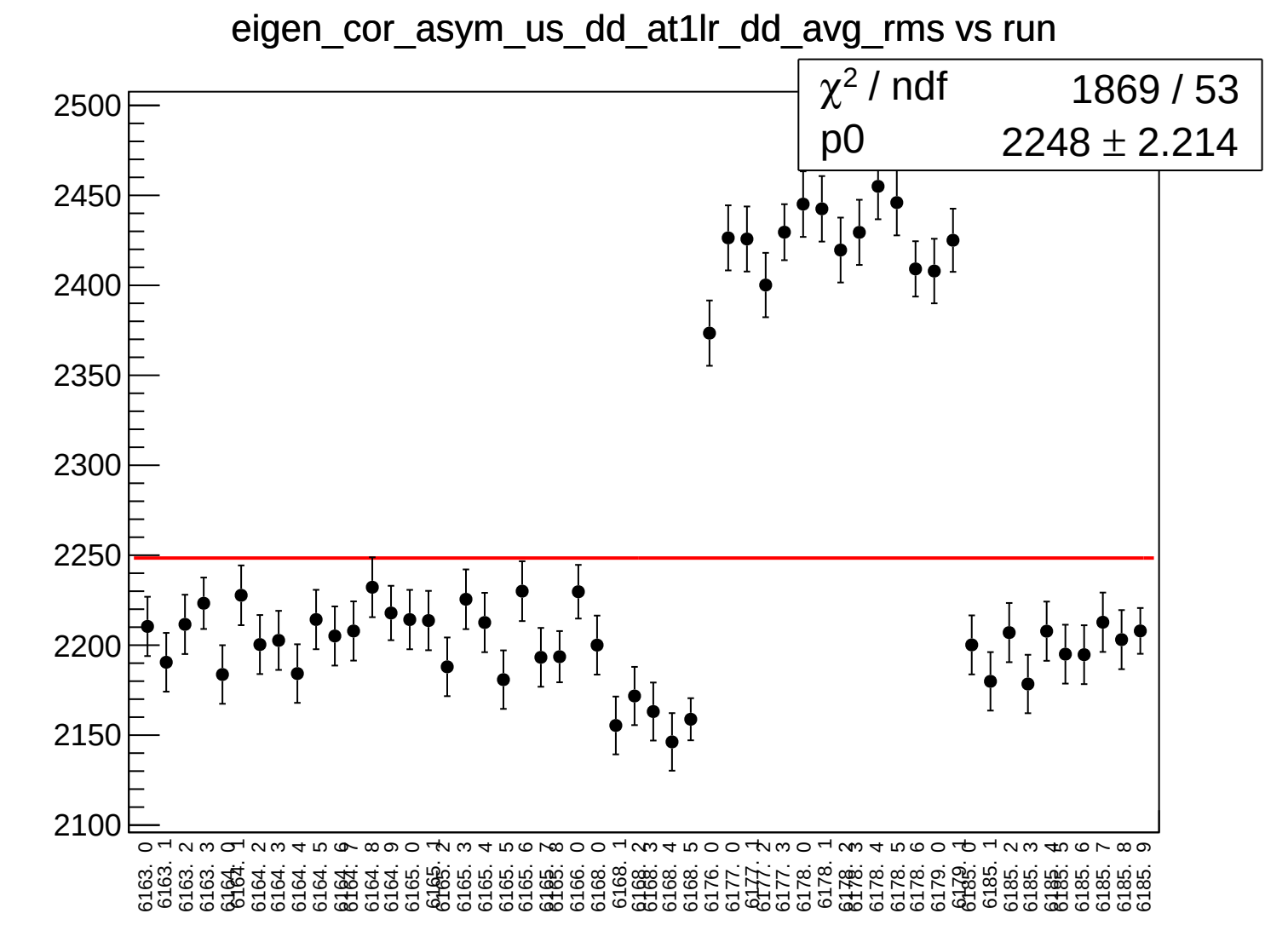

asym_us_dd_at1lr_dd_avg_cor_correction_mean vs run
χ² / ndf 55.83 / 53
p0 1046 ± 556
pull
Entries 54
Mean 27.52
Std Dev 4.17


pull1D
Entries 54
Mean 0.02146
Std Dev 1.017


asym_us_dd_at1lr_dd_avg_cor_correction_rms vs run
χ² / ndf 6.493e+04 / 53
p0 386.8 ± 0.3932
650
600
550
500
450
400
350
300
250
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6168. 0
6168. 1
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


eigen_cor_asym_us_dd_at1lr_dd_avg_mean vs run
χ² / ndf 46.12 / 53
p0 −4493 ± 3131
pull
Entries 54
Mean −591.4
Std Dev 0


pull1D
Entries 54
Mean 0.001693
Std Dev 0.9242


eigen_cor_asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 1869 / 53
p0 2248 ± 2.214
2500
2450
2400
2350
2300
2250
2200
2150
2100
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
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6179. 0
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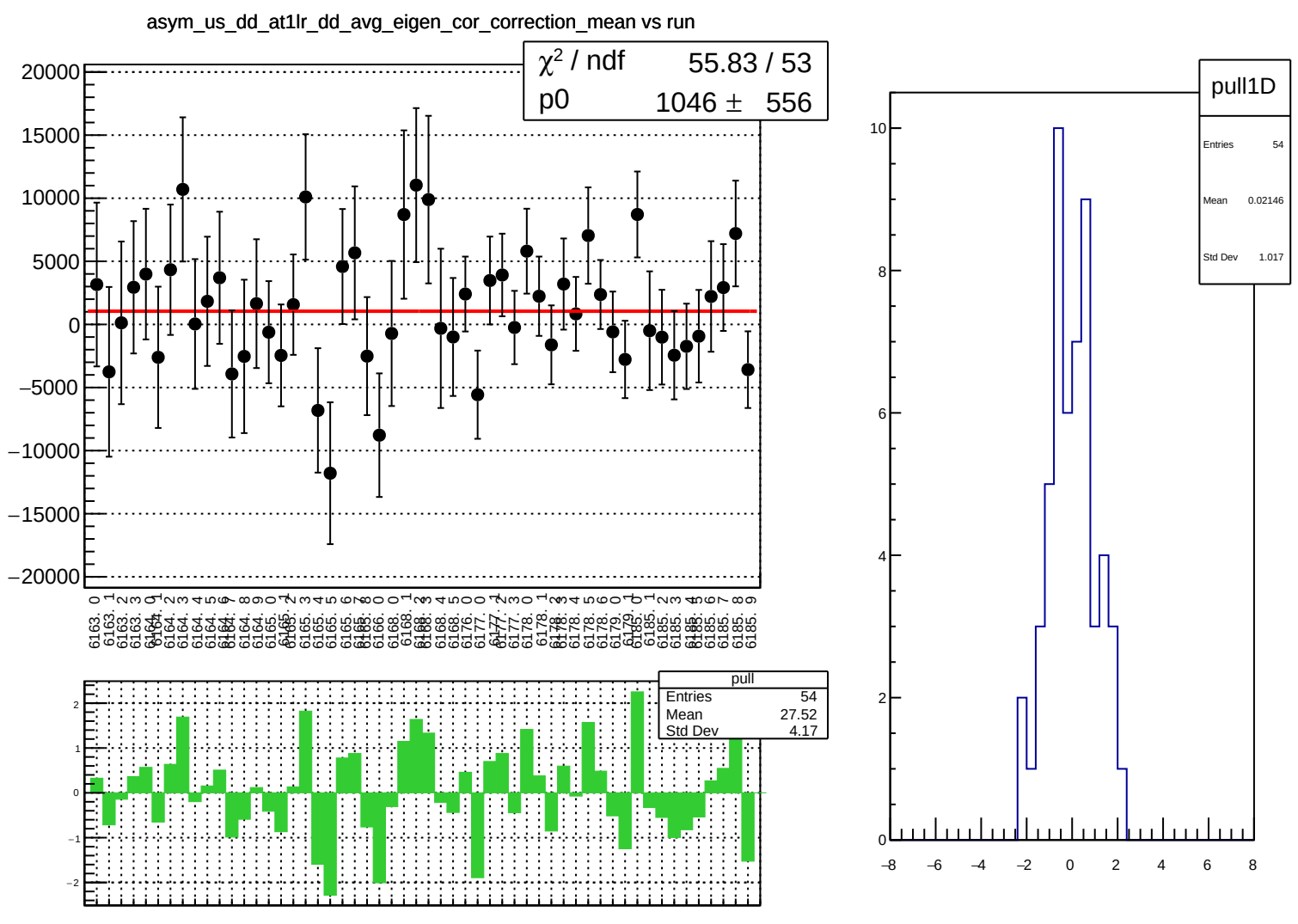
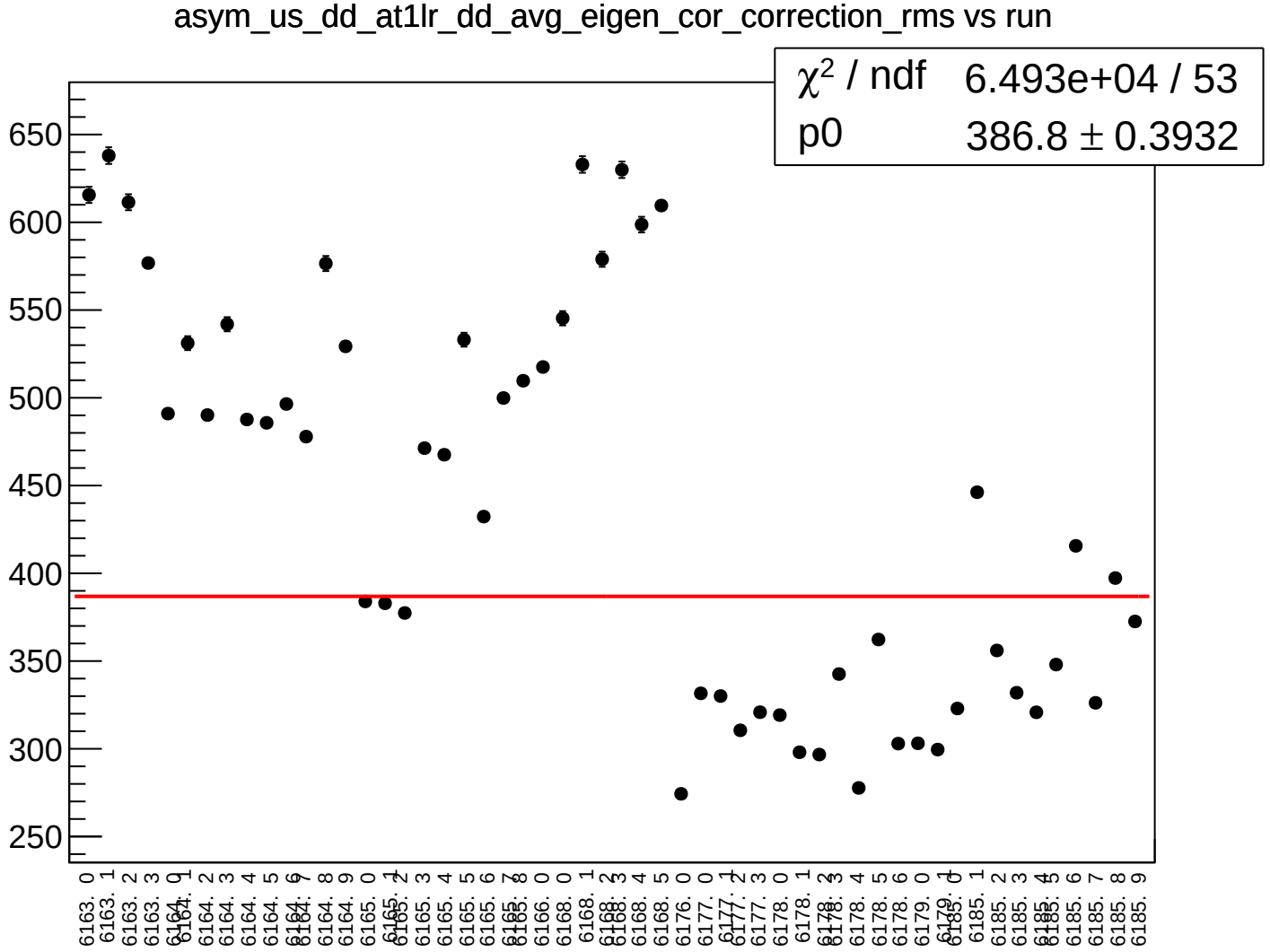
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


asym_us_dd_at1lr_dd_avg_eigen_cor_correction_mean vs run
χ² / ndf 55.83 / 53
p0 1046 ± 556
pull
Entries 54
Mean 27.52
Std Dev 4.17
pull1D
Entries 54
Mean 0.02146
Std Dev 1.017


asym_us_dd_at1lr_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 6.493e+04 / 53
p0 386.8 ± 0.3932
650
600
550
500
450
400
350
300
250
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
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6185. 2
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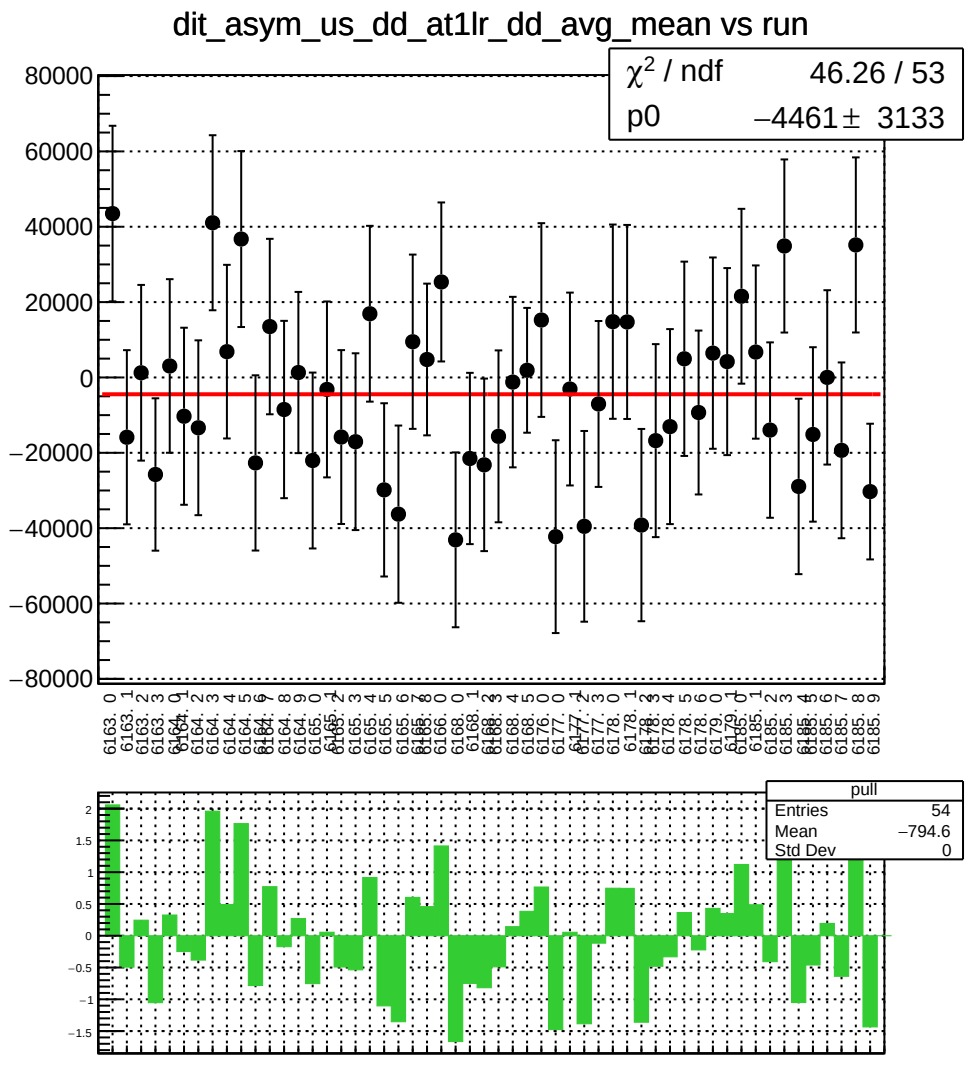
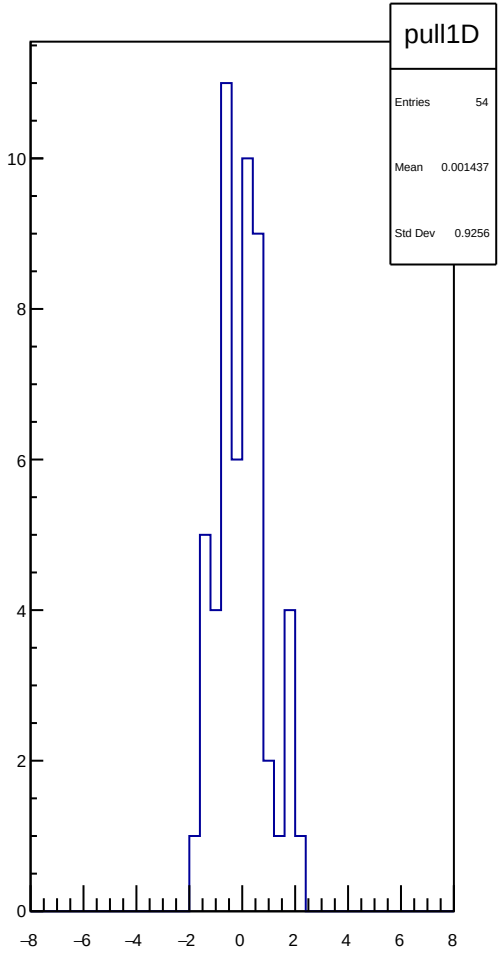
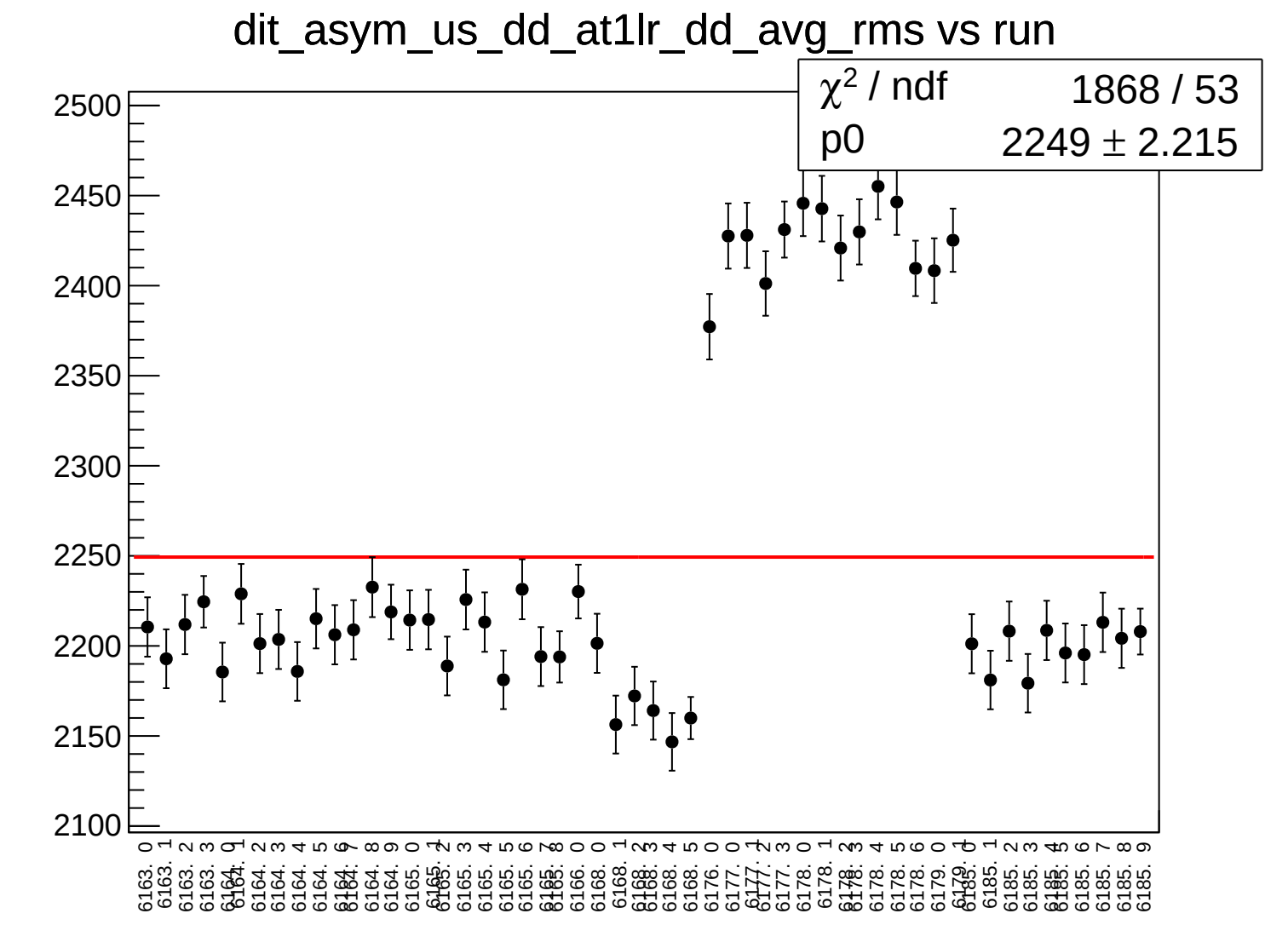
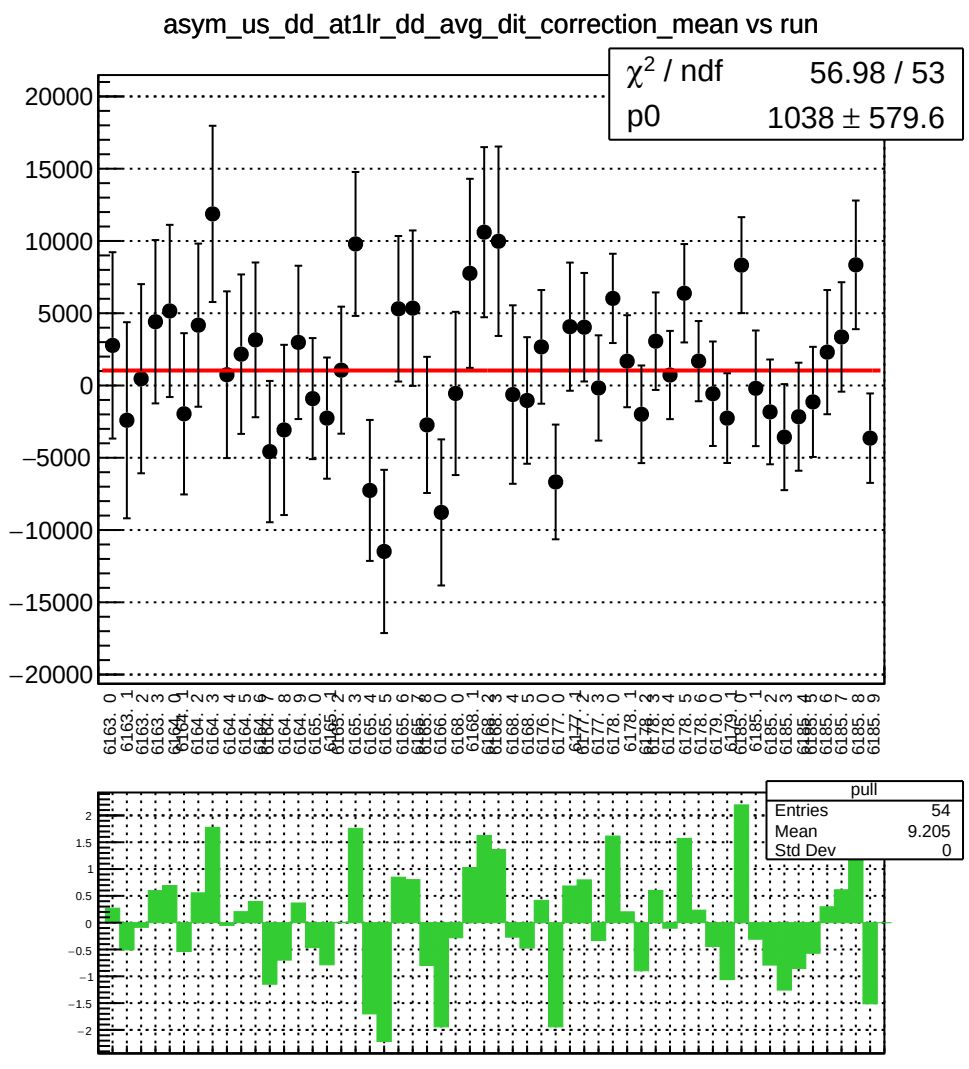
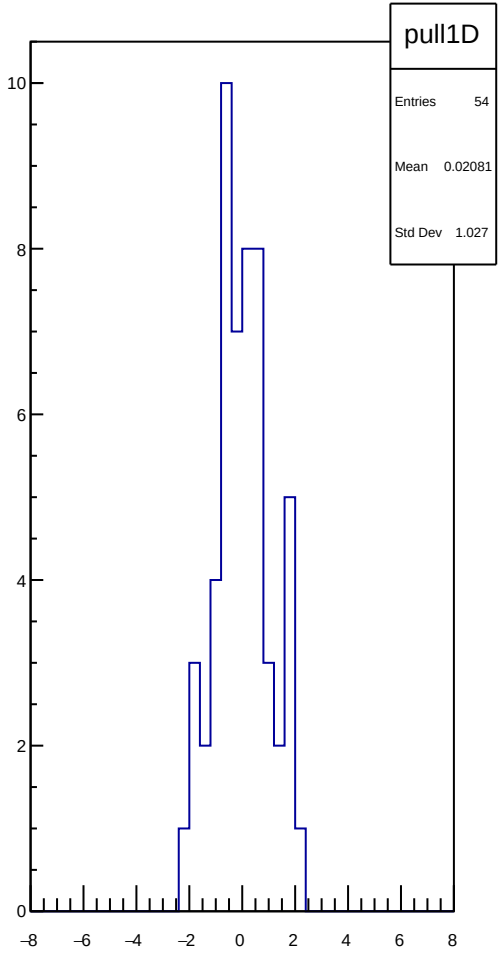
6185. 6
6185. 7
6185. 8
6185. 9

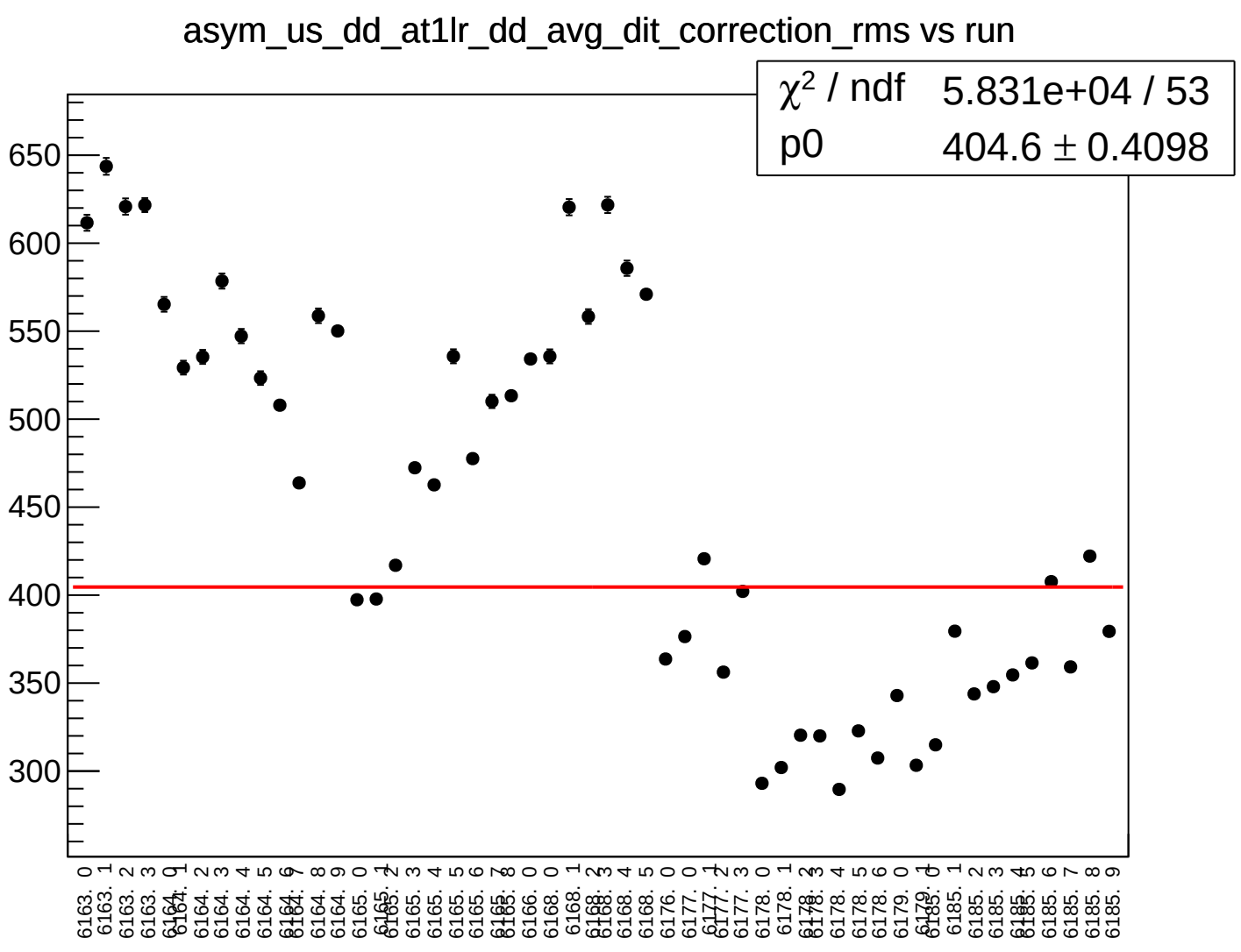

dit_asym_us_dd_at1lr_dd_avg_mean vs run
χ² / ndf 46.26 / 53
p0 −4461 ± 3133
pull
Entries 54
Mean −794.6
Std Dev 0

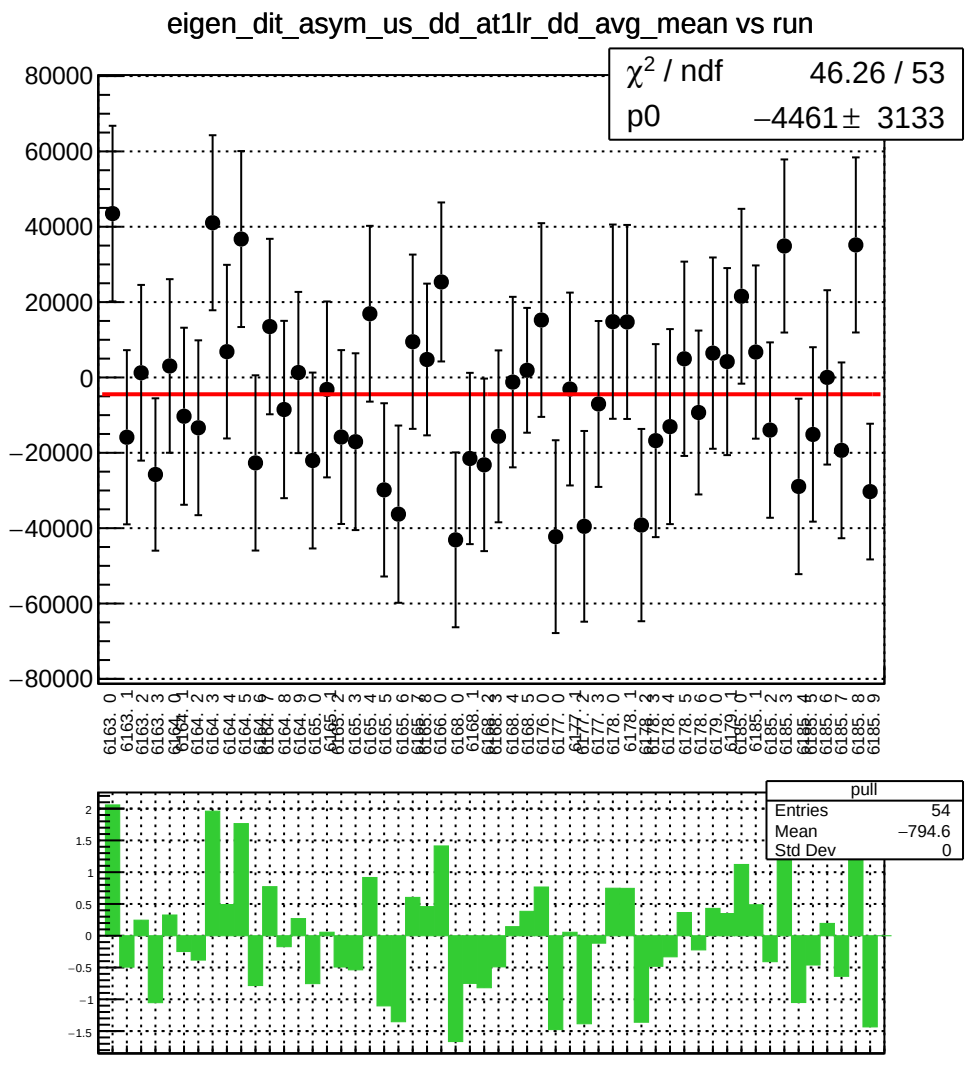

pull1D
Entries 54
Mean 0.001437
Std Dev 0.9256

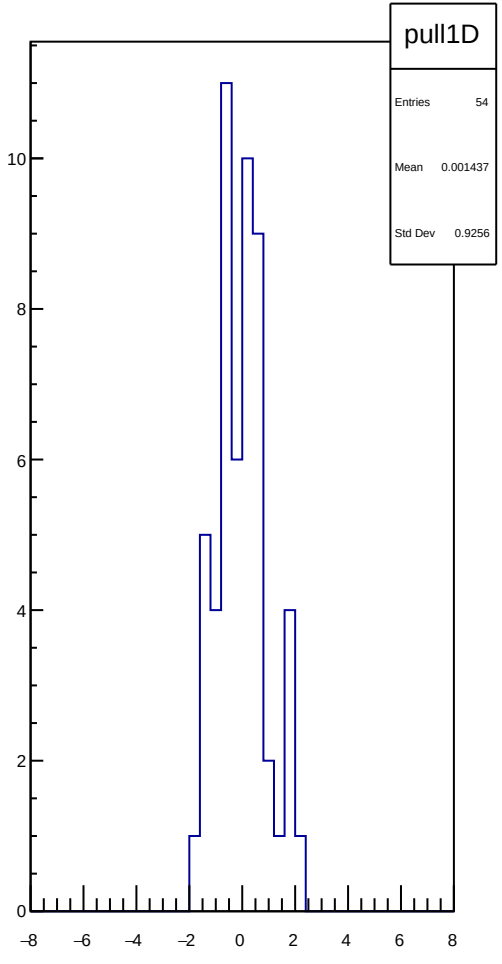

dit_asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 1868 / 53
p0 2249 ± 2.215
2500
2450
2400
2350
2300
2250
2200
2150
2100
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

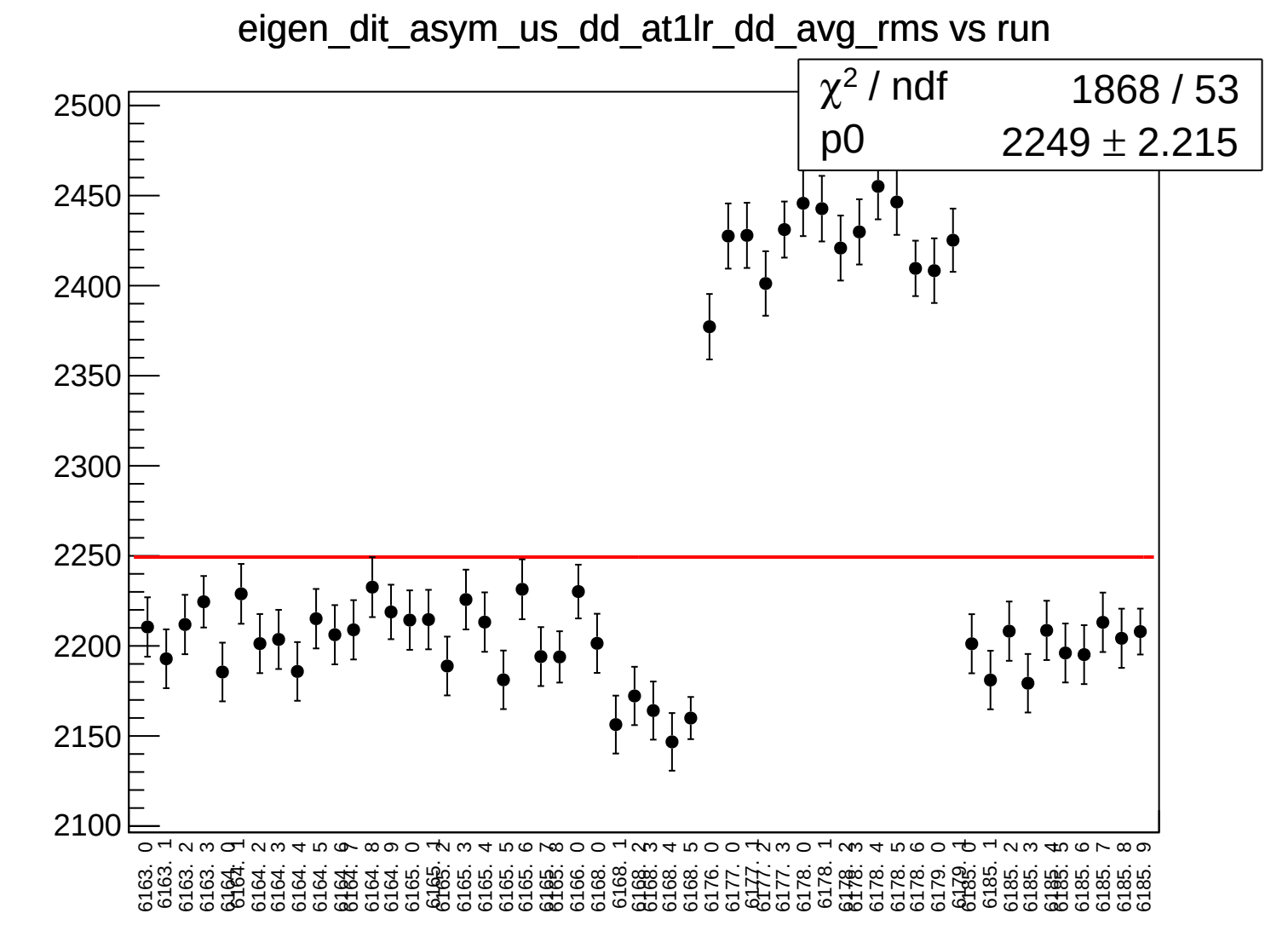

asym_us_dd_at1lr_dd_avg_dit_correction_mean vs run
χ² / ndf 56.98 / 53
p0 1038 ± 579.6
pull
Entries 54
Mean 9.205
Std Dev 0

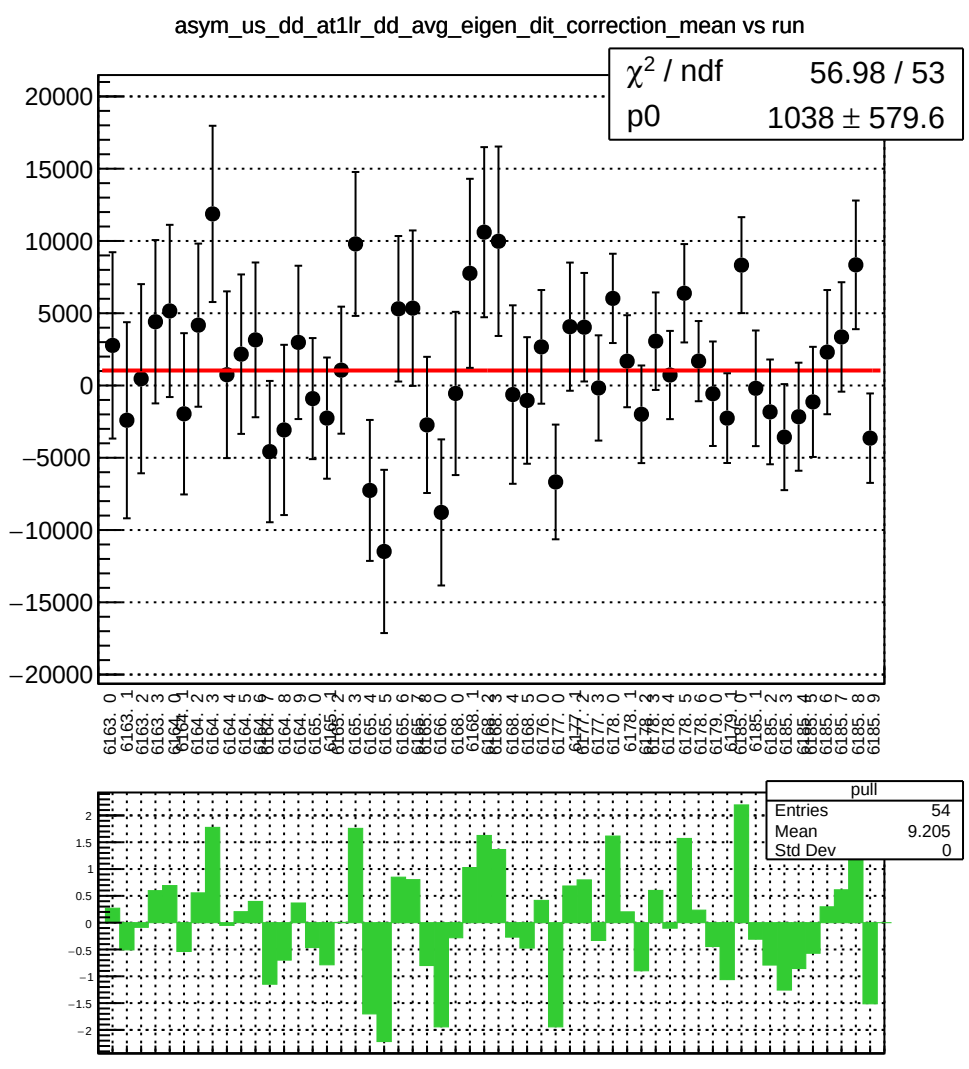

pull1D
Entries 54
Mean 0.02081
Std Dev 1.027

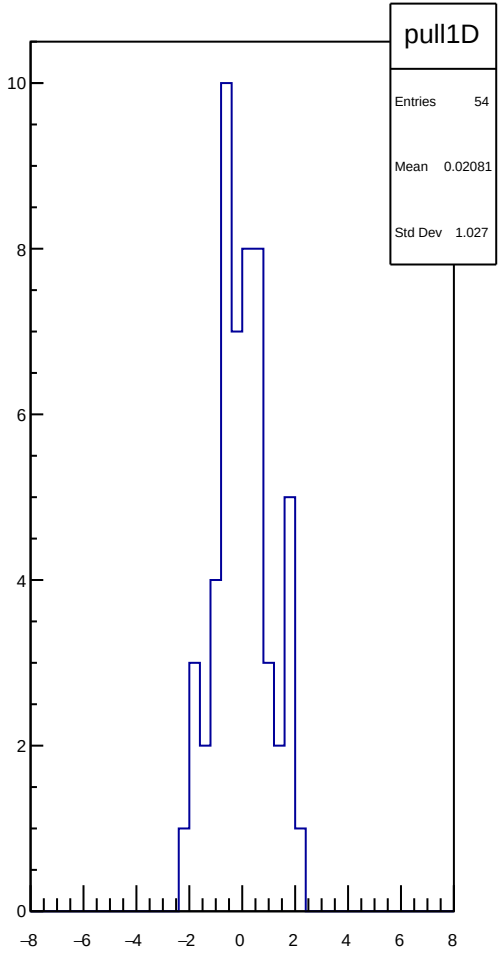

asym_us_dd_at1lr_dd_avg_dit_correction_rms vs run
χ² / ndf 5.831e+04 / 53
p0 404.6 ± 0.4098
650
600
550
500
450
400
350
300
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

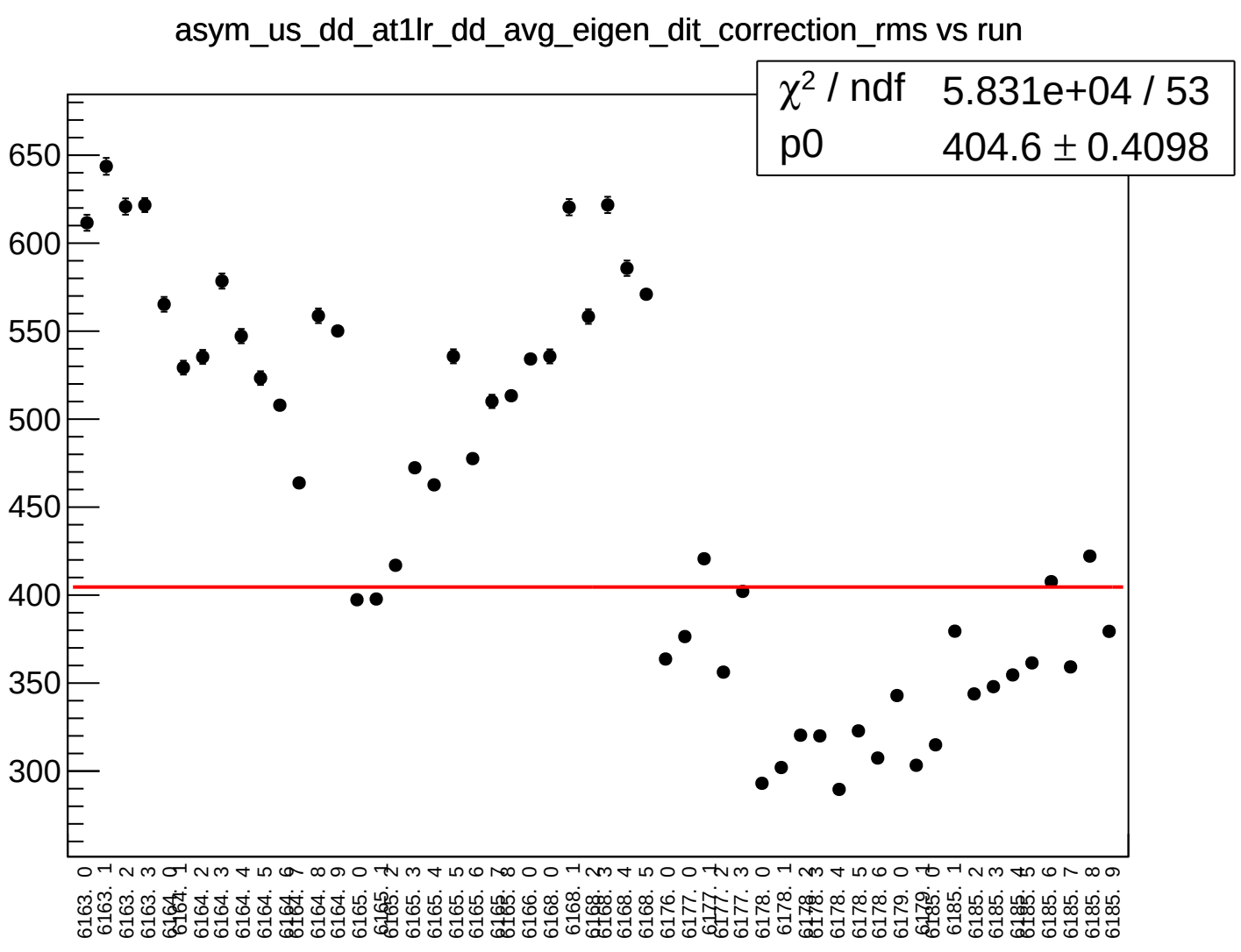

eigen_dit_asym_us_dd_at1lr_dd_avg_mean vs run
χ² / ndf 46.26 / 53
p0 −4461 ± 3133
pull
Entries 54
Mean −794.6
Std Dev 0

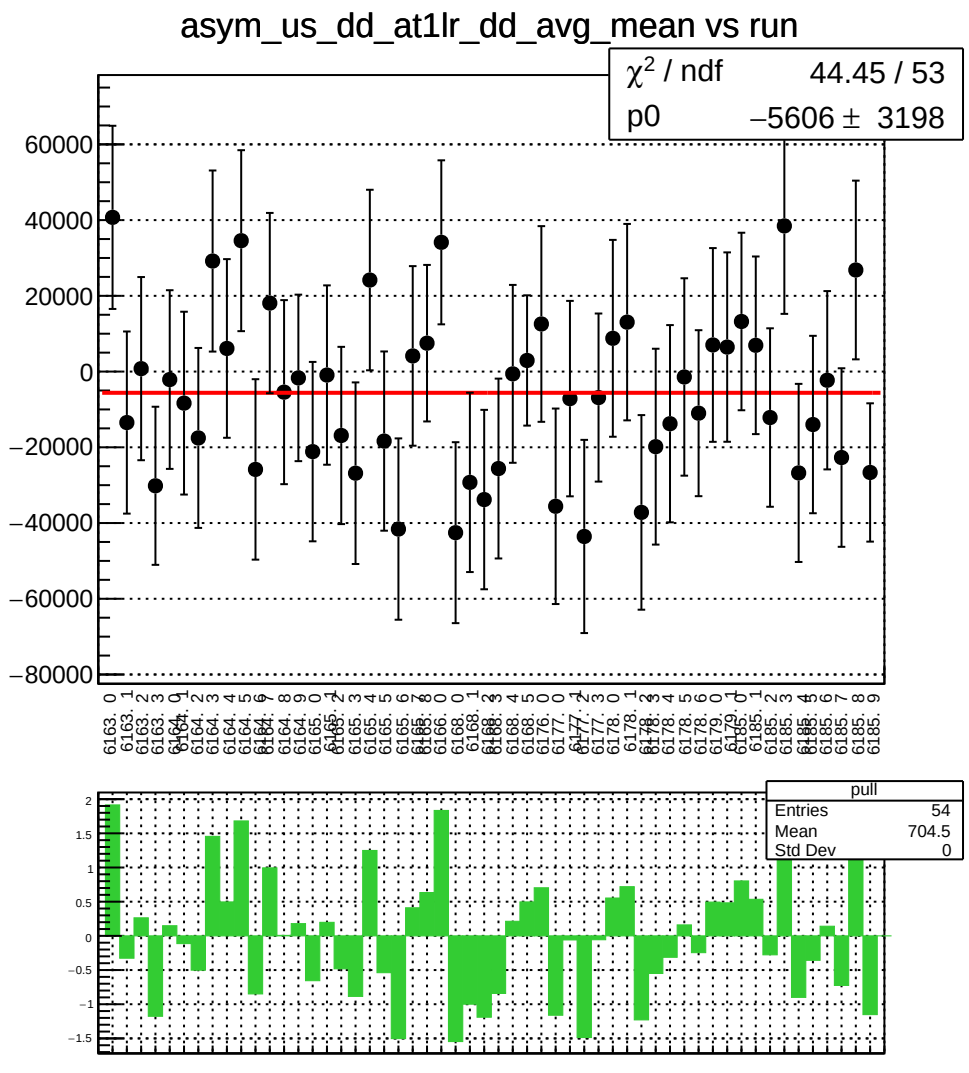

pull1D
Entries 54
Mean 0.001437
Std Dev 0.9256

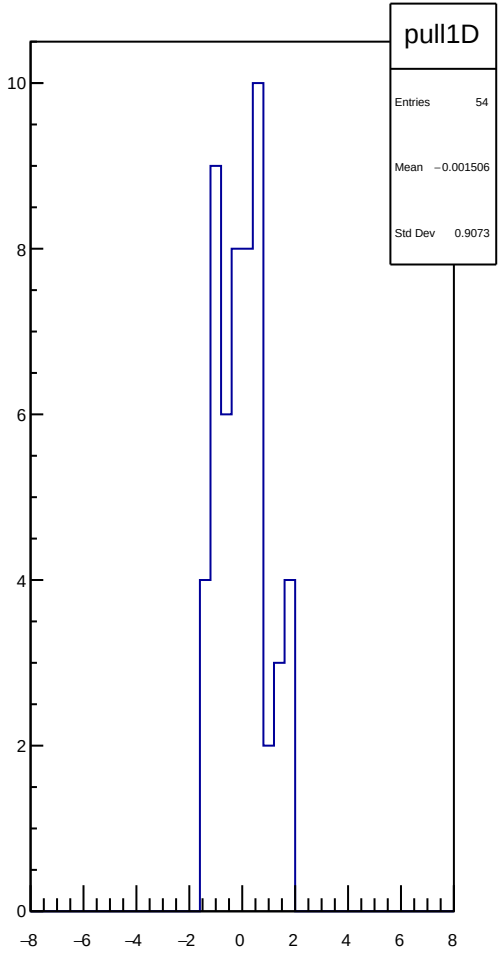

eigen_dit_asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 1868 / 53
p0 2249 ± 2.215
2500
2450
2400
2350
2300
2250
2200
2150
2100
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

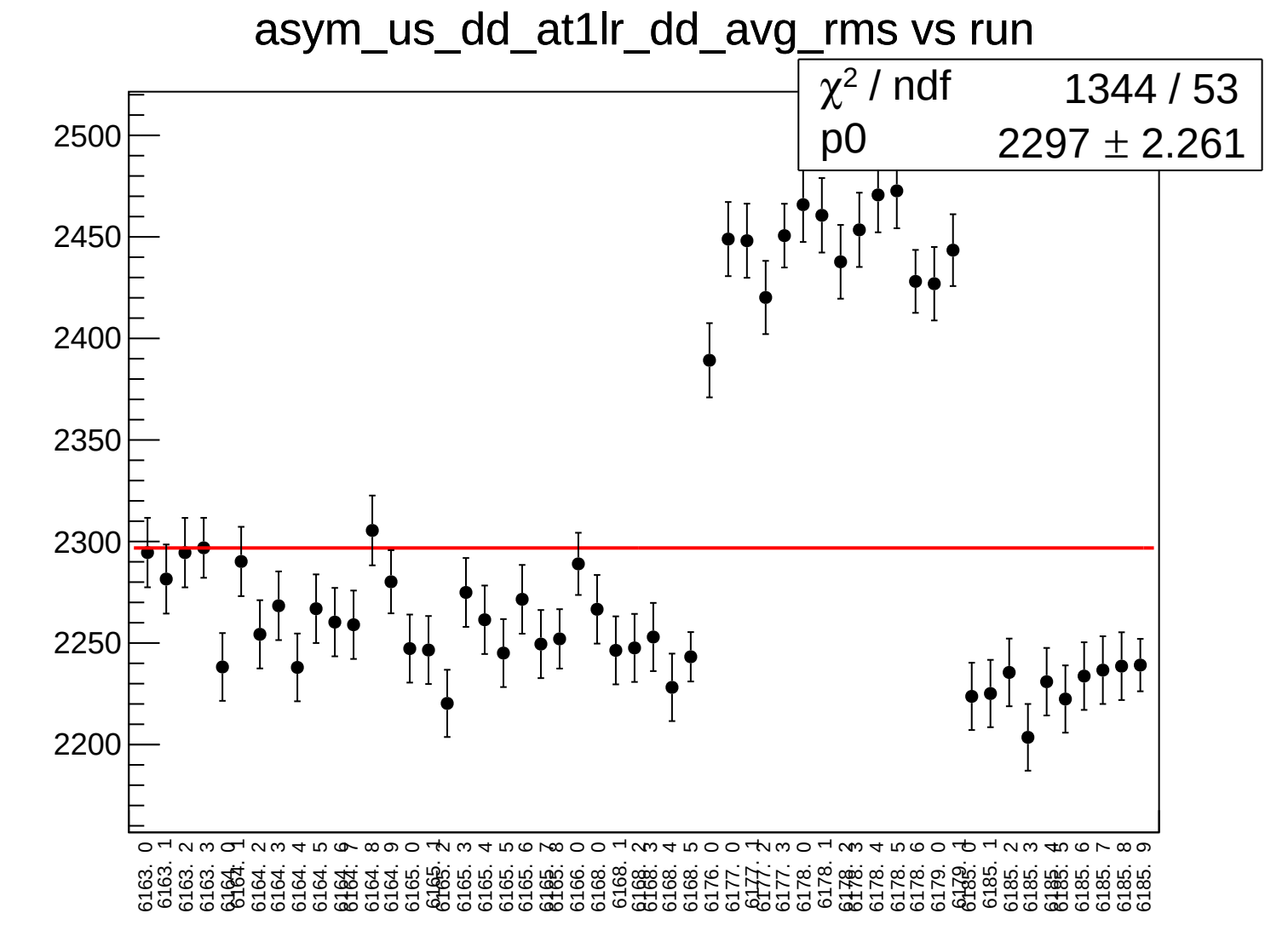

asym_us_dd_at1lr_dd_avg_eigen_dit_correction_mean vs run
χ² / ndf 56.98 / 53
p0 1038 ± 579.6
pull
Entries 54
Mean 9.205
Std Dev 0

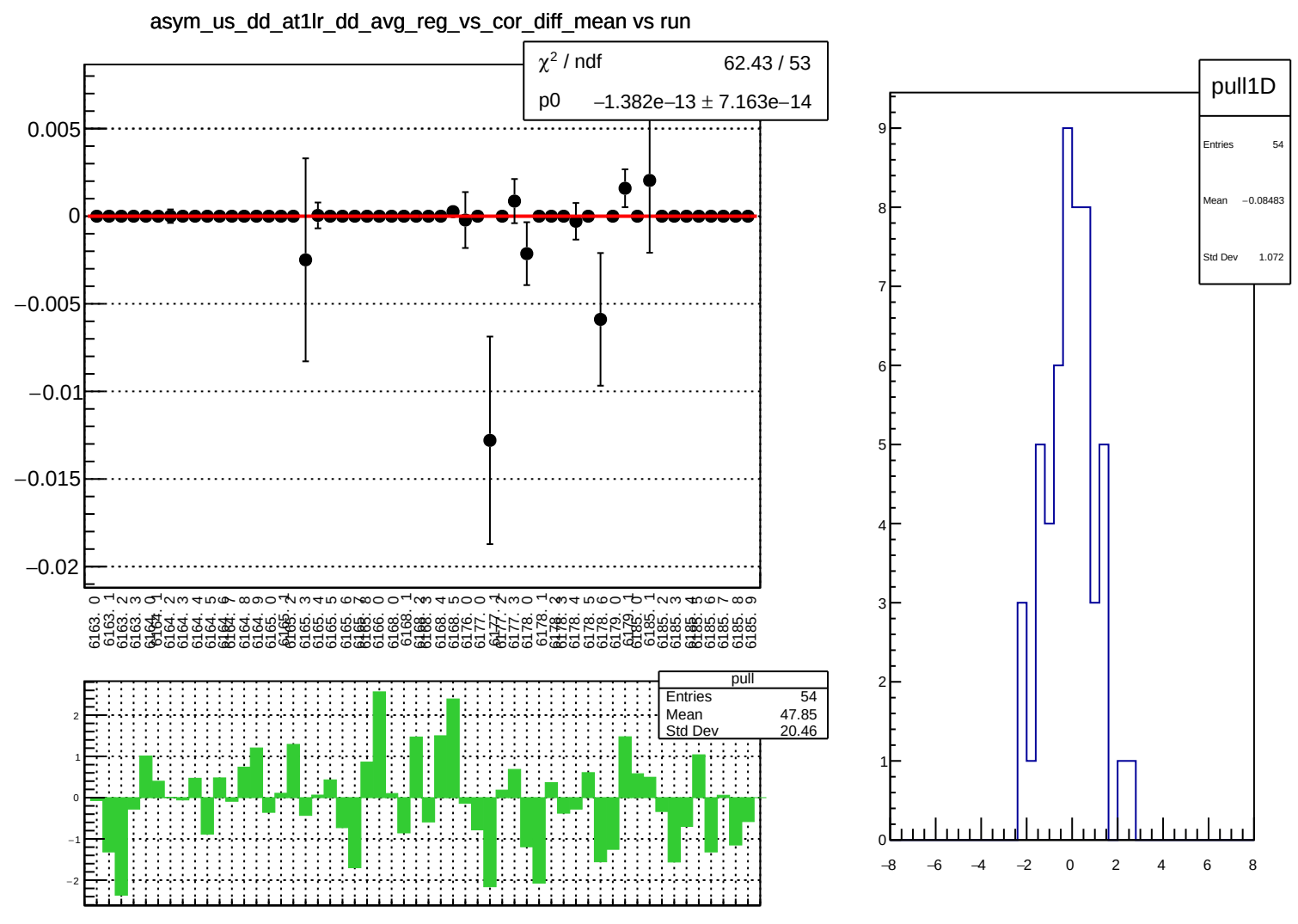

pull1D
Entries 54
Mean 0.02081
Std Dev 1.027

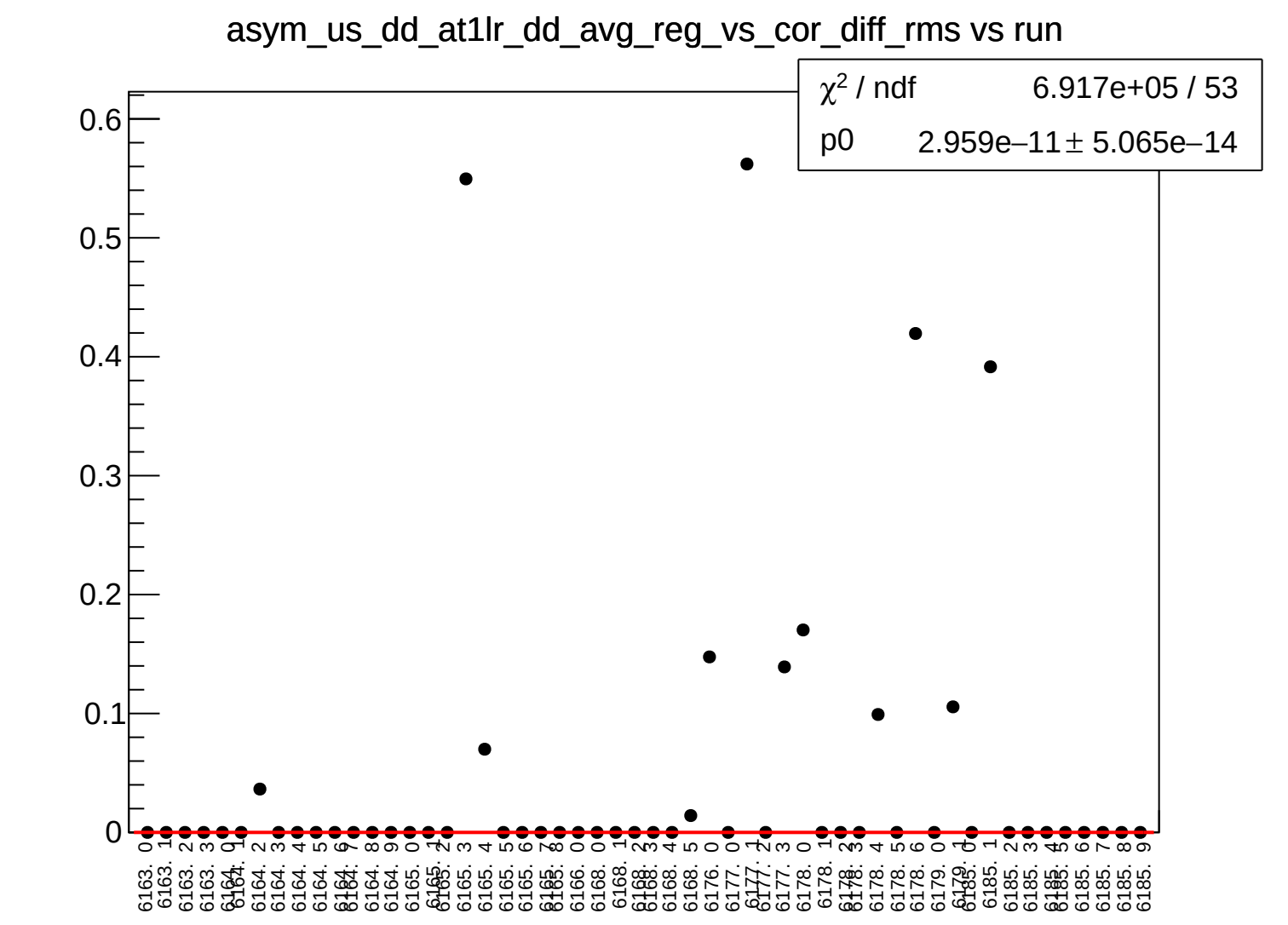

asym_us_dd_at1lr_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 5.831e+04 / 53
p0 404.6 ± 0.4098
650
600
550
500
450
400
350
300
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


asym_us_dd_at1lr_dd_avg_mean vs run
χ² / ndf 44.45 / 53
p0 −5606 ± 3198
pull
Entries 54
Mean 704.5
Std Dev 0

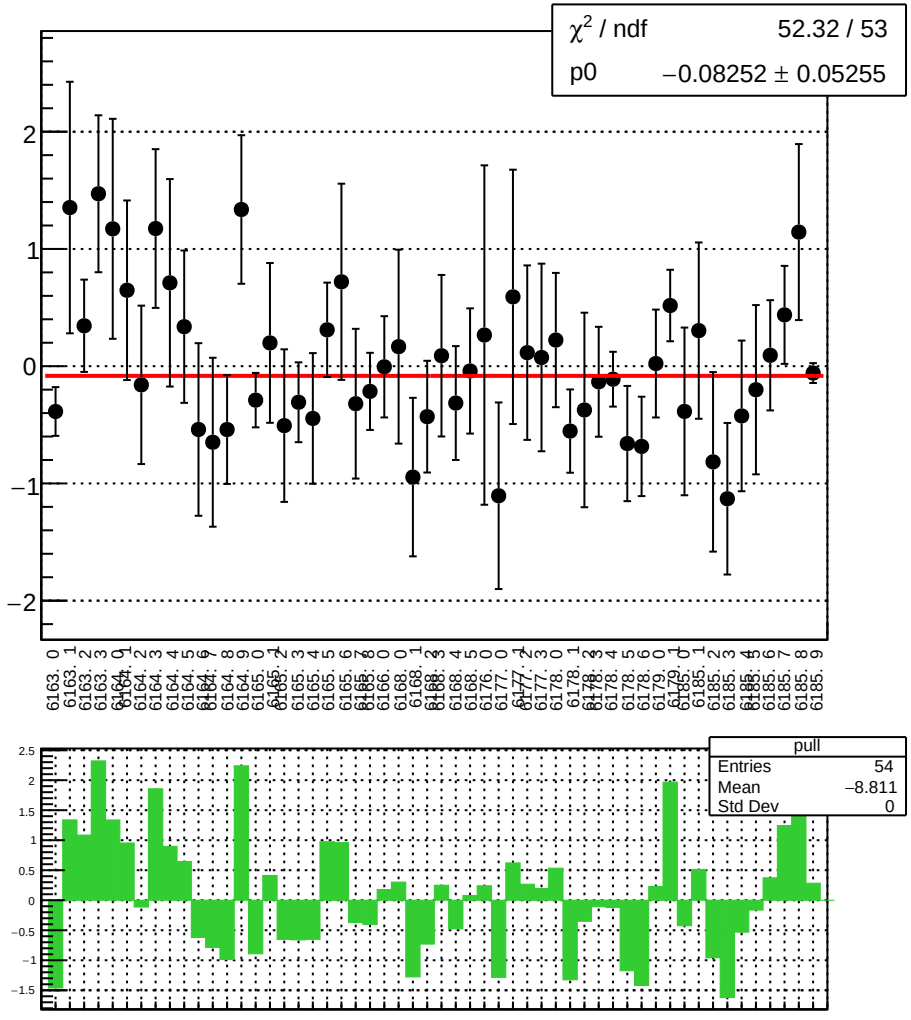

pull1D
Entries 54
Mean −0.001506
Std Dev 0.9073

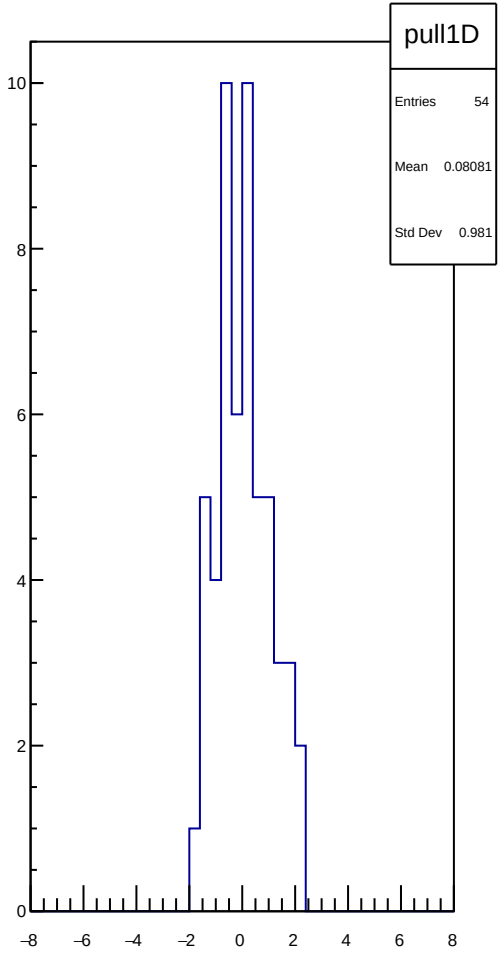

asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 1344 / 53
p0 2297 ± 2.261
2500
2450
2400
2350
2300
2250
2200
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

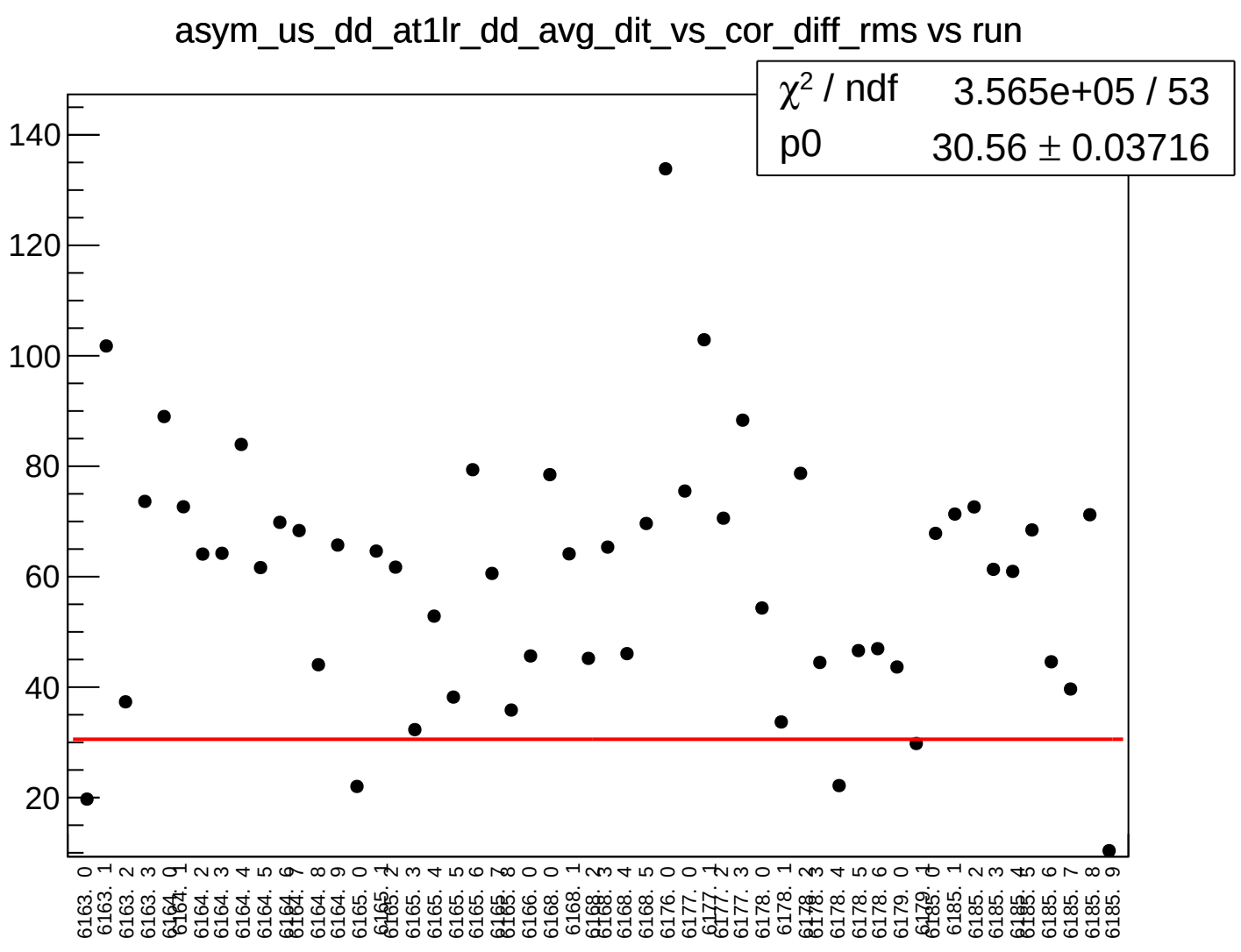

asym_us_dd_at1lr_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 62.43 / 53
p0 −1.382e−13 ± 7.163e−14
0.005
0
−0.005
−0.01
−0.015
−0.02
pull
Entries 54
Mean 47.85
Std Dev 20.46
pull1D
Entries 54
Mean −0.08483
Std Dev 1.072

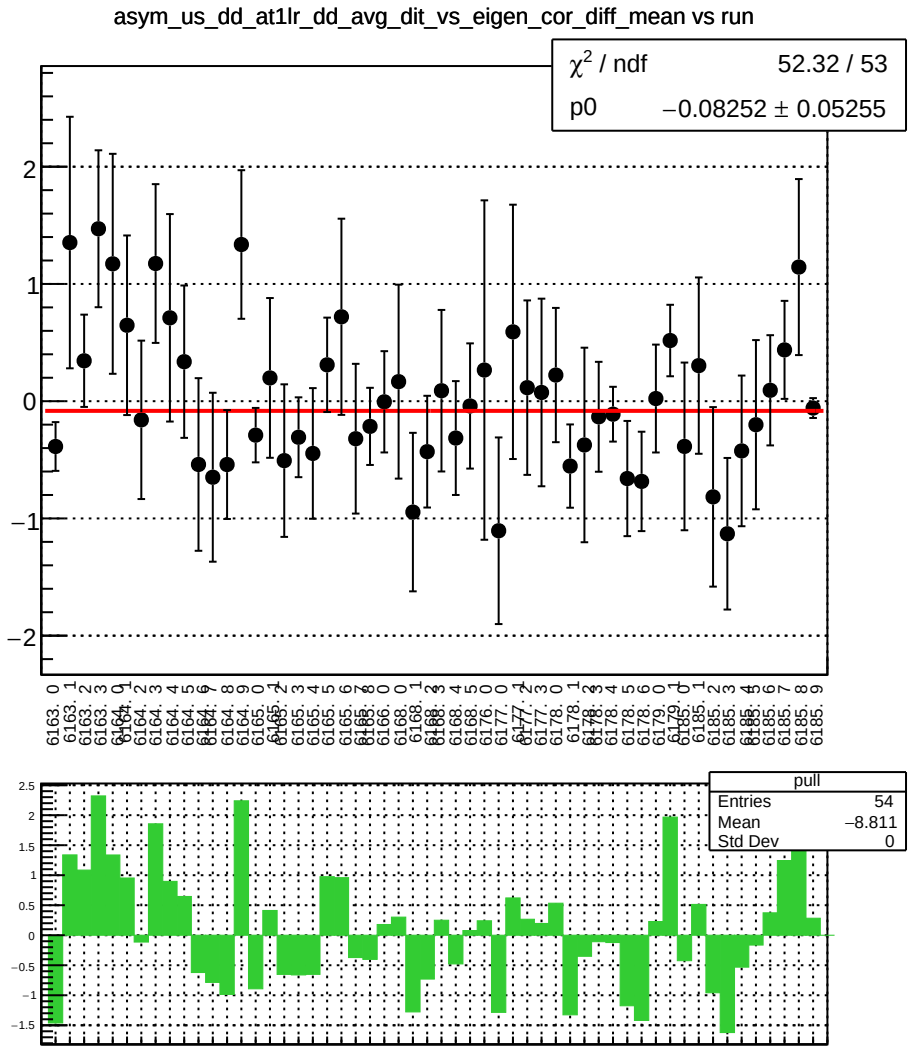

asym_us_dd_at1lr_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.917e+05 / 53
p0 2.959e−11 ± 5.065e−14
0.6
0.5
0.4
0.3
0.2
0.1
0
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6179. 1
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

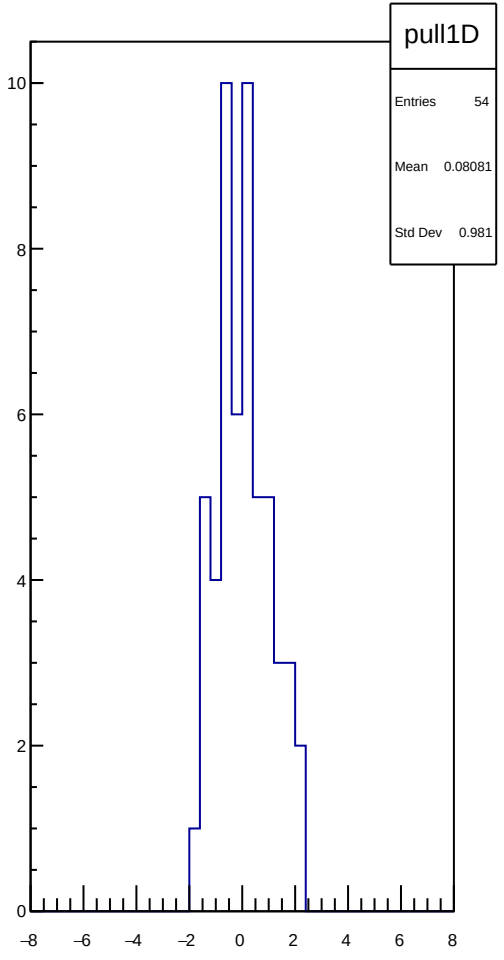
asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_mean vs run

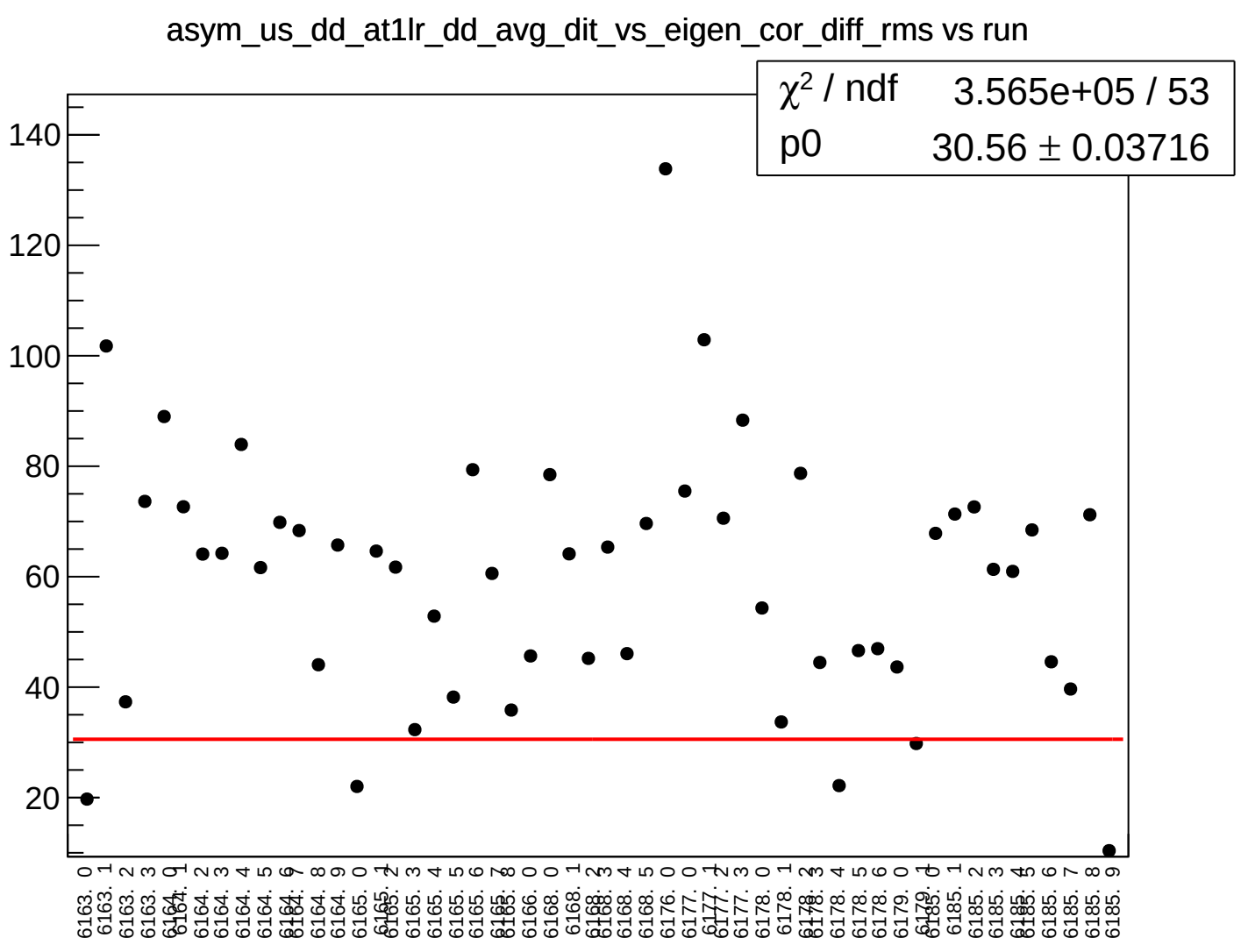


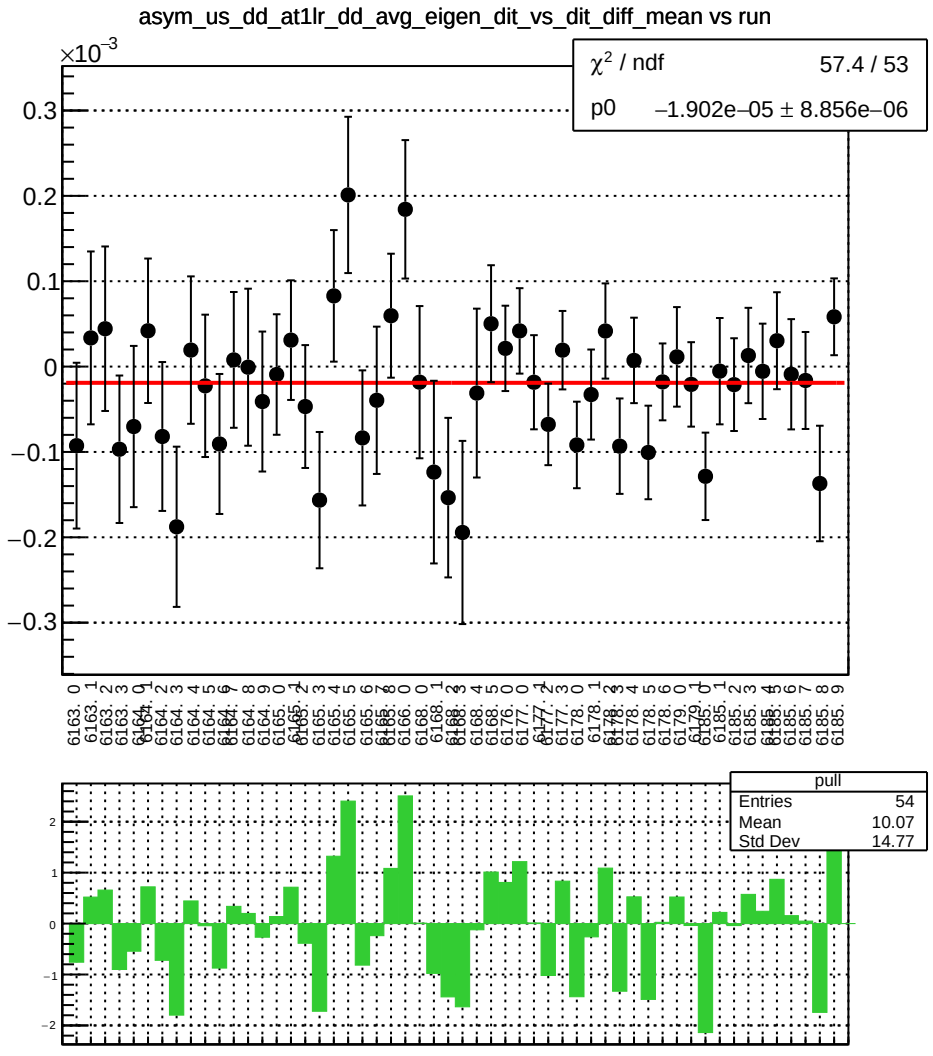


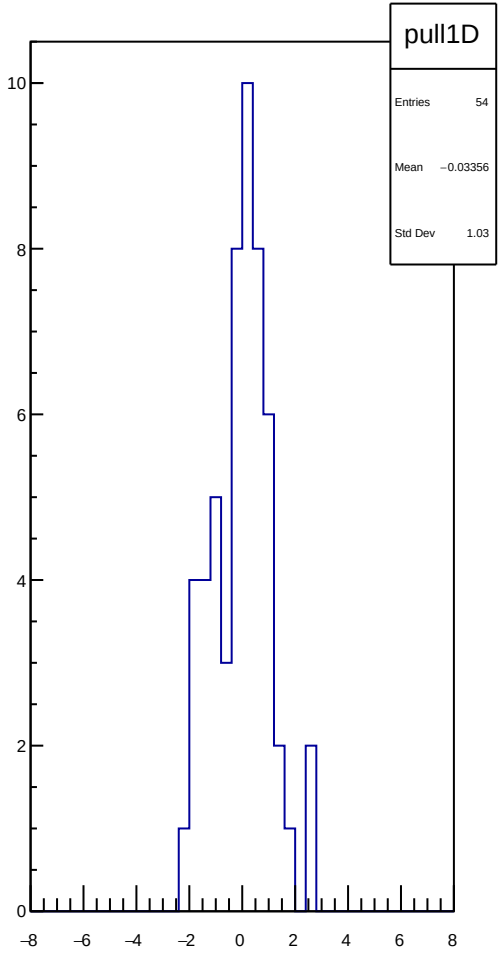

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 3.565e+05 / 53
p0 30.56 ± 0.03716
140
120
100
80
60
40
20
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

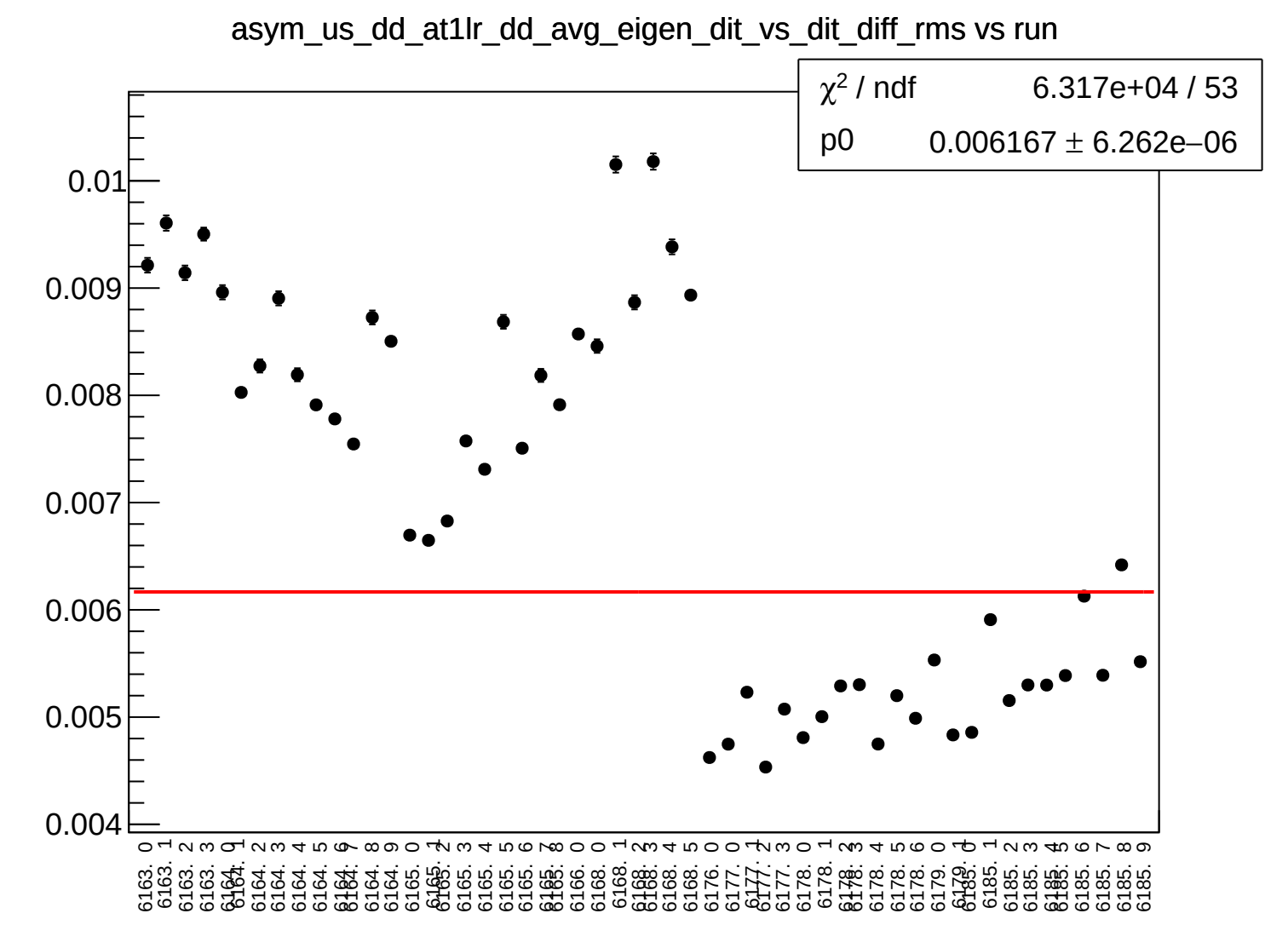

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 52.32 / 53
p0 −0.08252 ± 0.05255
pull
Entries 54
Mean −8.811
Std Dev 0

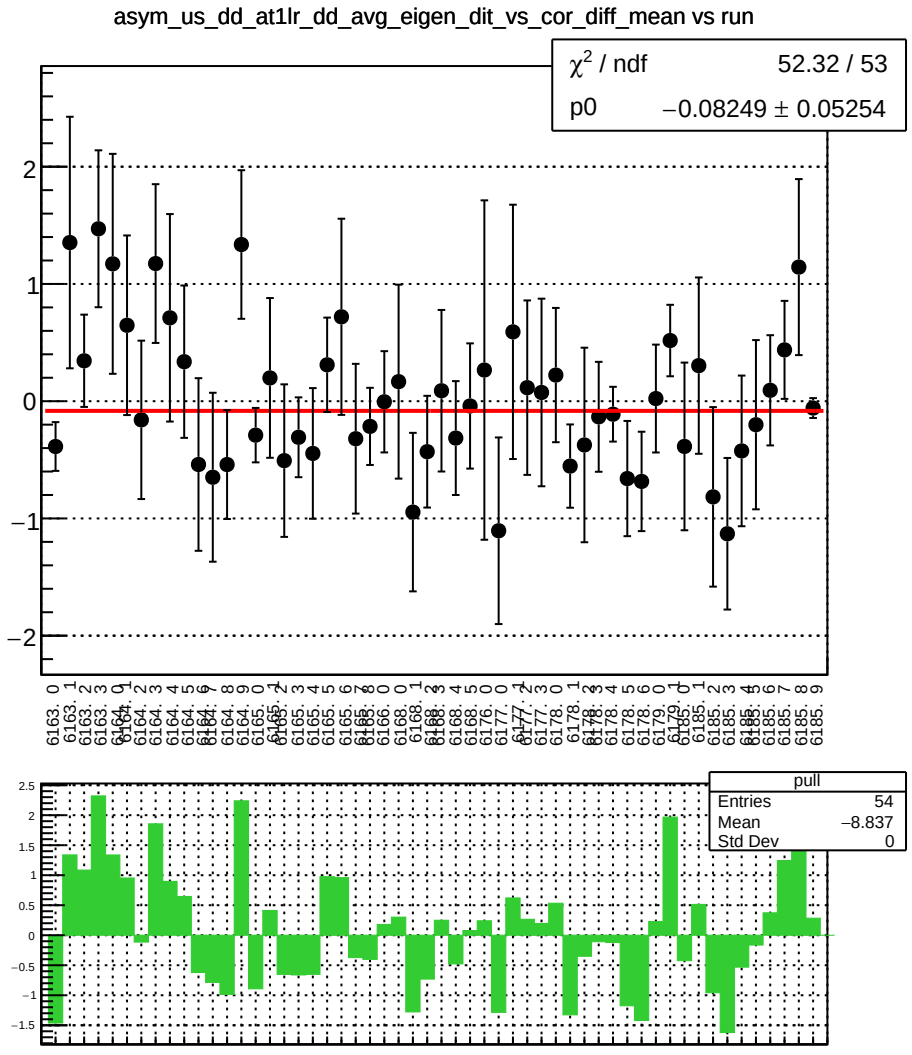

pull1D
Entries 54
Mean 0.08081
Std Dev 0.981

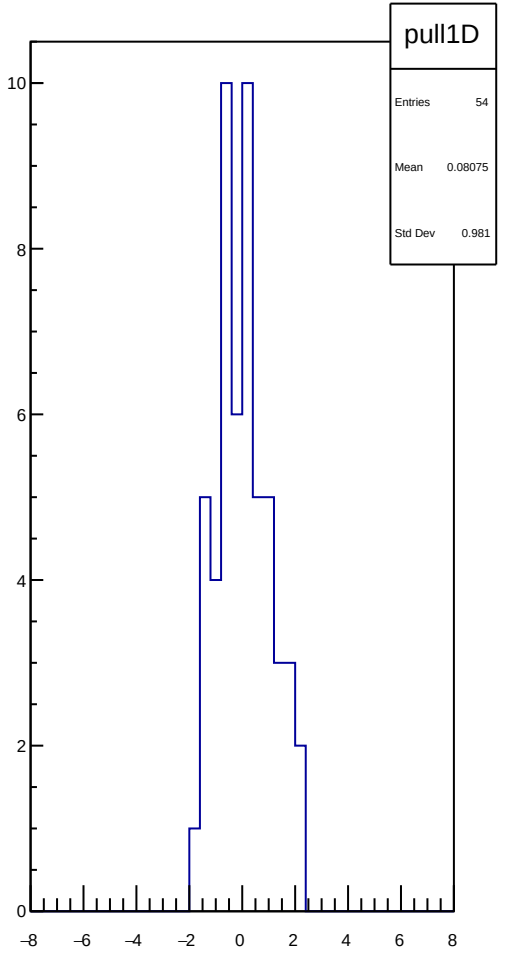

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.565e+05 / 53
p0 30.56 ± 0.03716
140
120
100
80
60
40
20
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

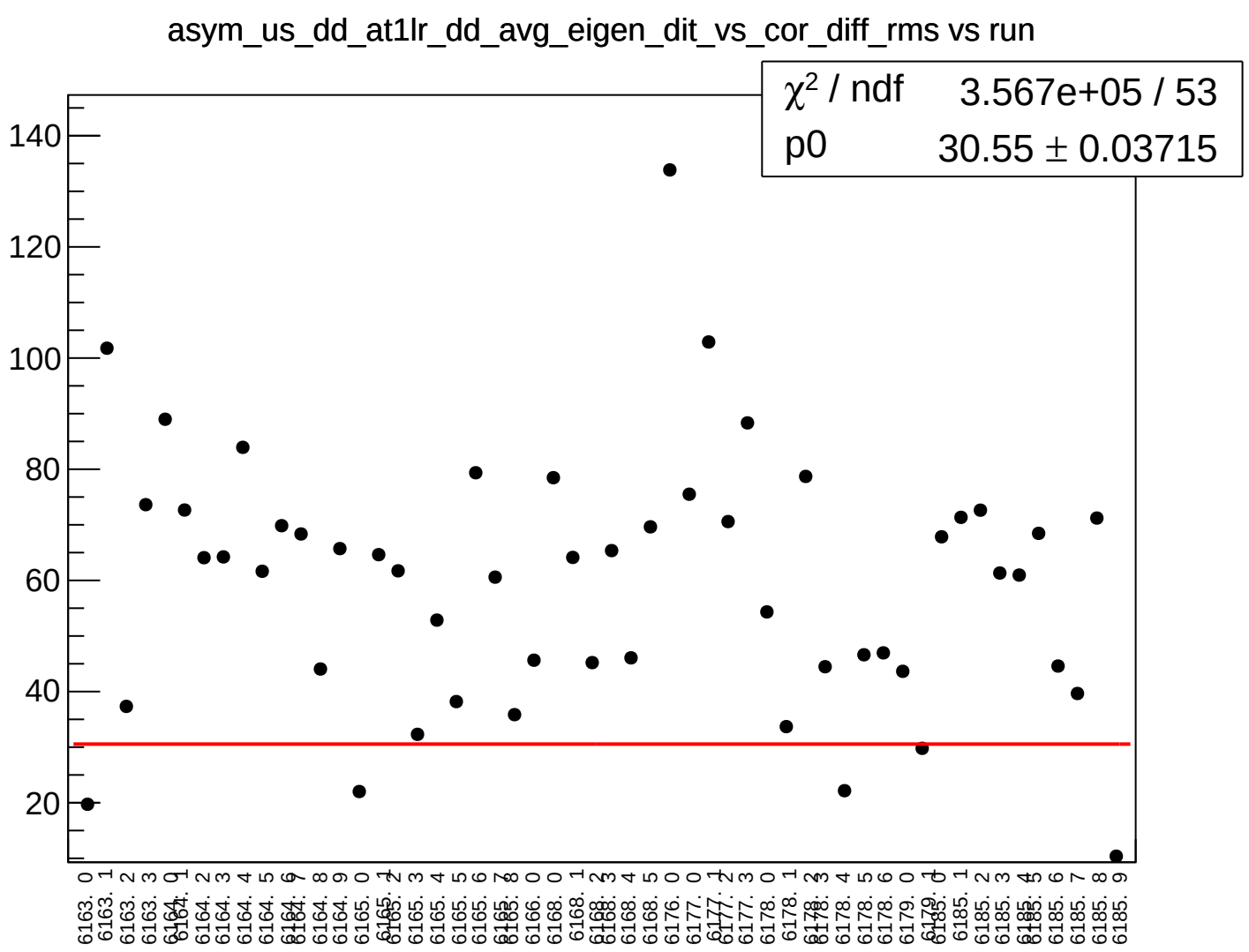

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 57.4 / 53
p0 −1.902e−05 ± 8.856e−06
pull
Entries 54
Mean 10.07
Std Dev 14.77

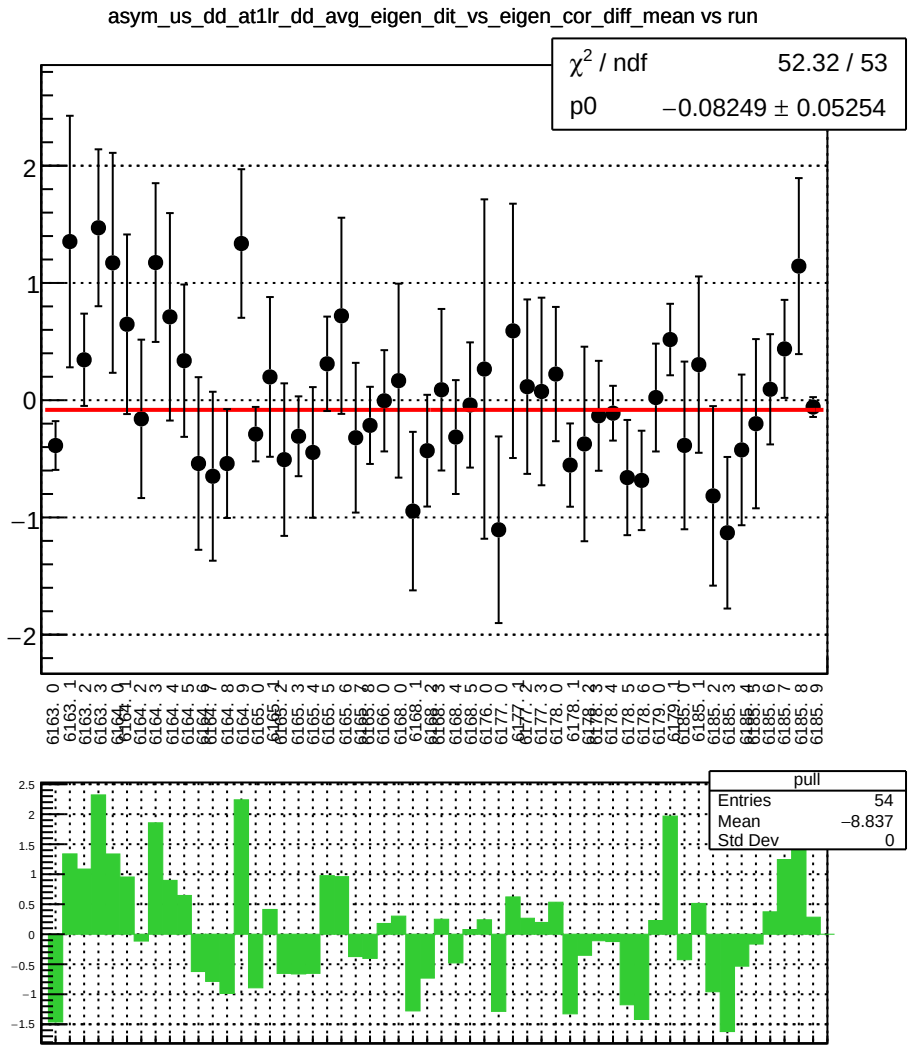

pull1D
Entries 54
Mean −0.03356
Std Dev 1.03

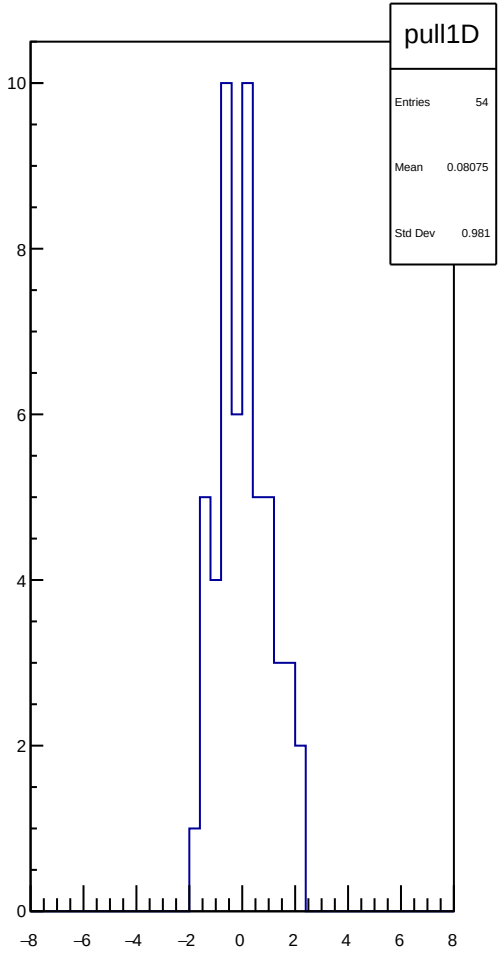

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 6.317e+04 / 53
p0 0.006167 ± 6.262e−06
0.01
0.009
0.008
0.007
0.006
0.005
0.004
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

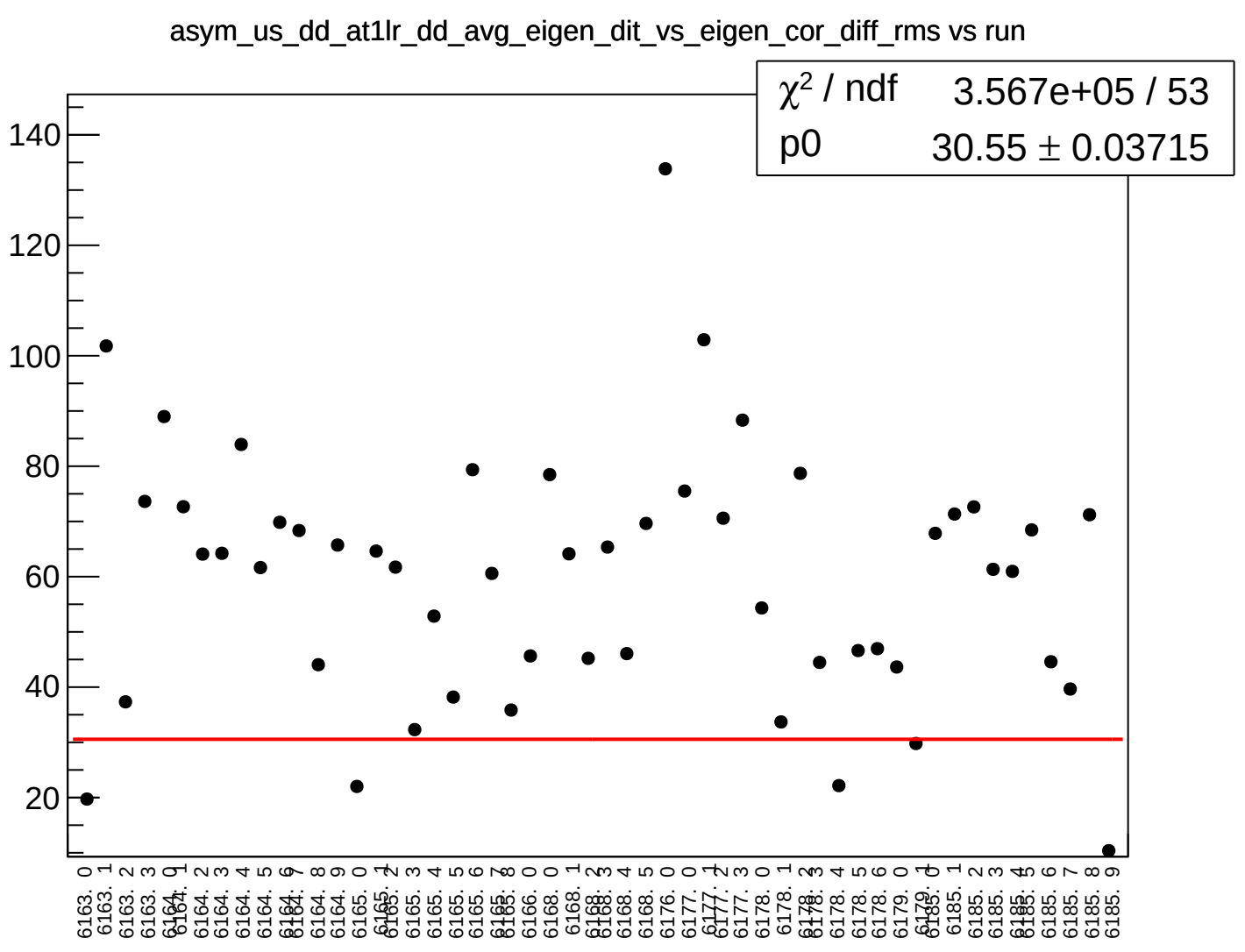

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 52.32 / 53
p0 −0.08249 ± 0.05254
pull
Entries 54
Mean −8.837
Std Dev 0

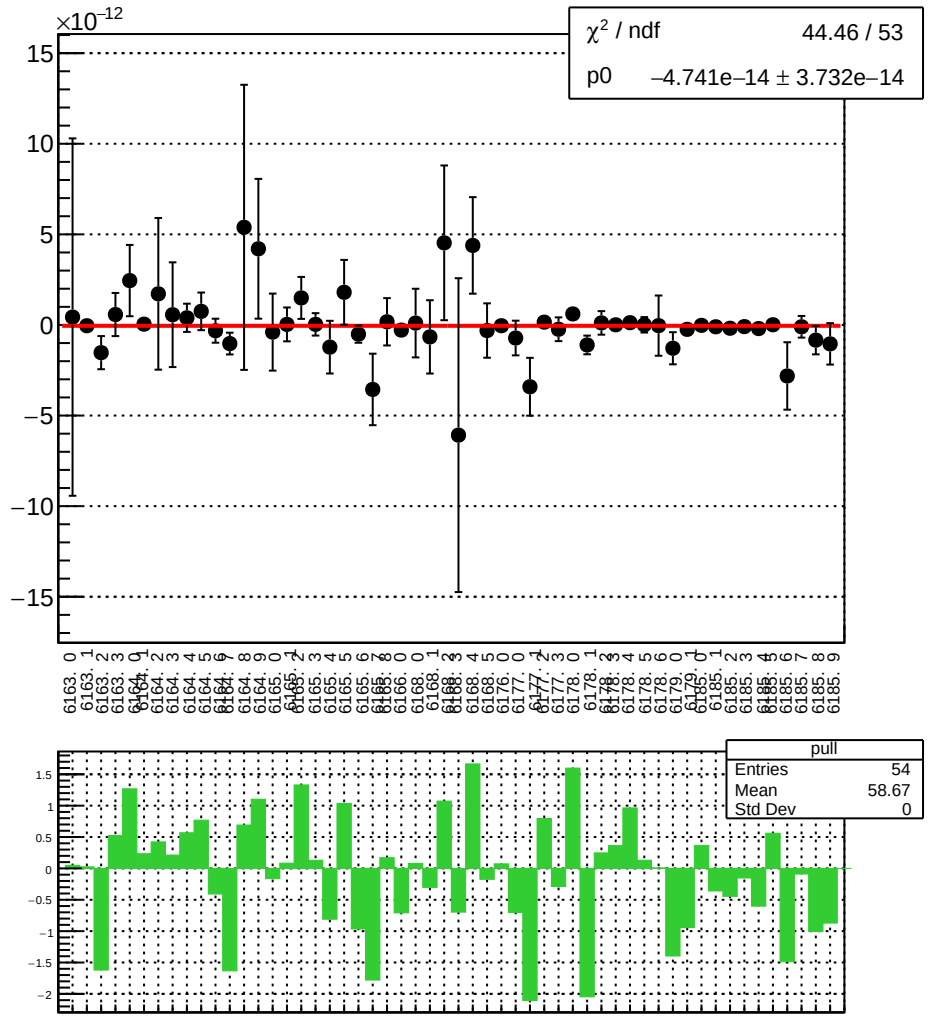

pull1D
Entries 54
Mean 0.08075
Std Dev 0.981

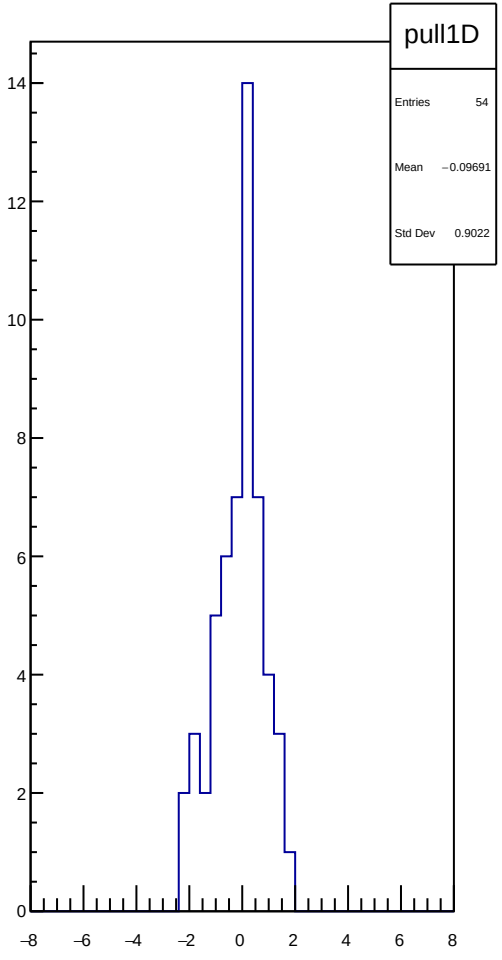

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.567e+05 / 53
p0 30.55 ± 0.03715
140
120
100
80
60
40
20
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

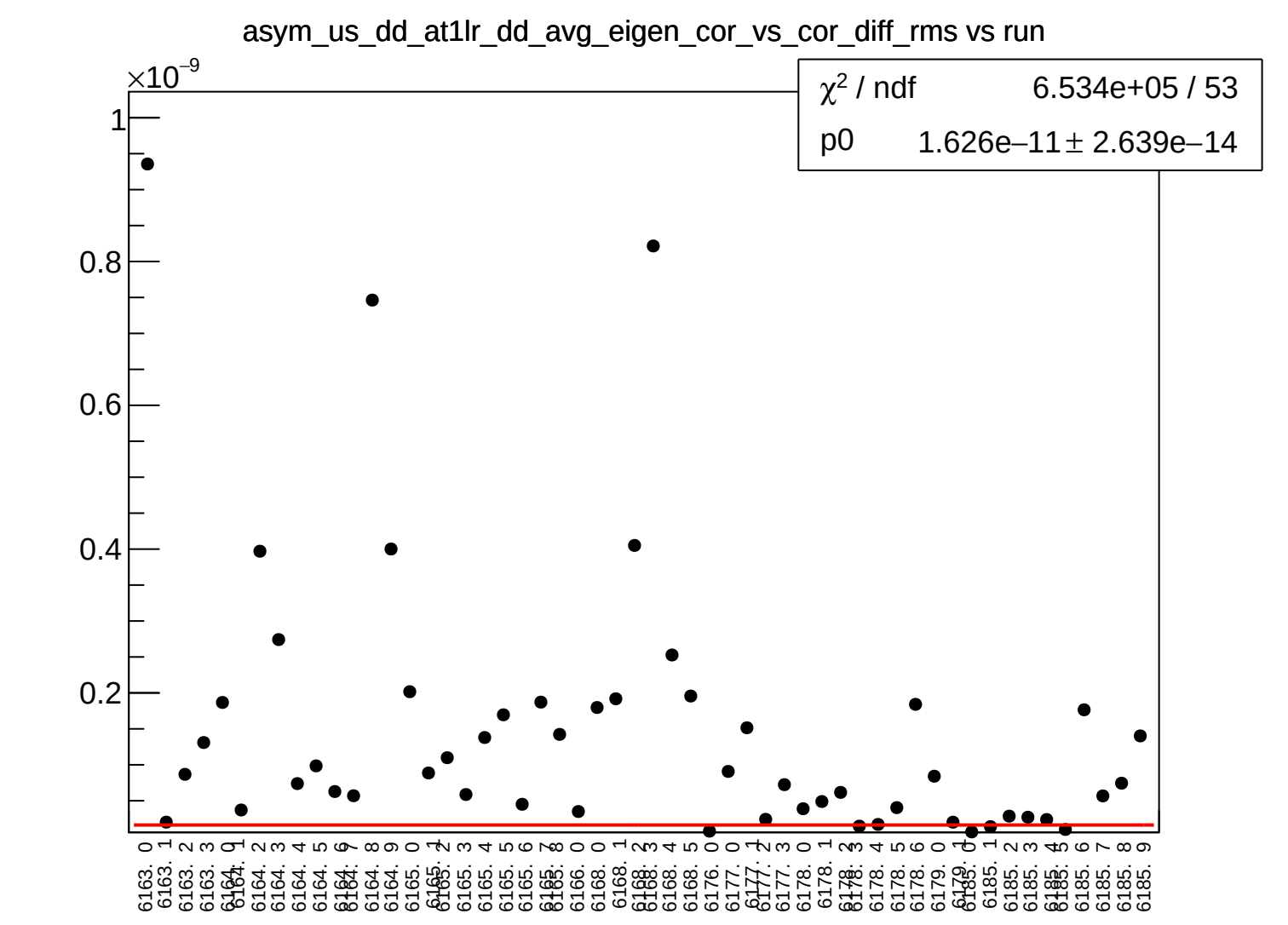

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 52.32 / 53
p0 −0.08249 ± 0.05254
pull
Entries 54
Mean −8.837
Std Dev 0

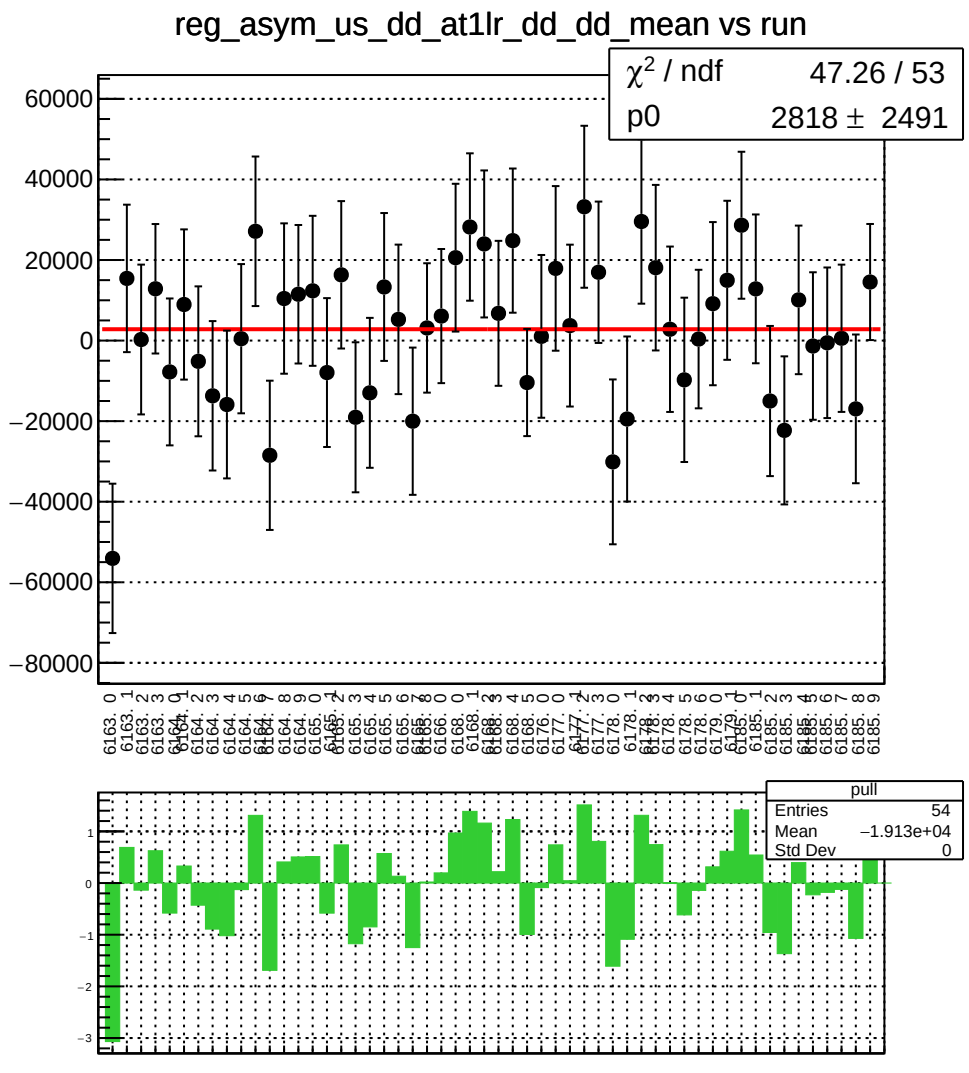

pull1D
Entries 54
Mean 0.08075
Std Dev 0.981

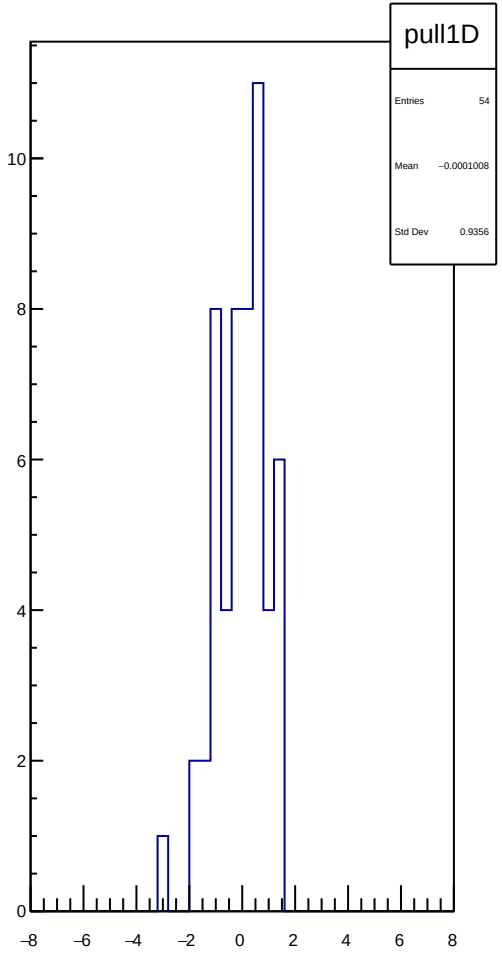

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.567e+05 / 53
p0 30.55 ± 0.03715
140
120
100
80
60
40
20
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

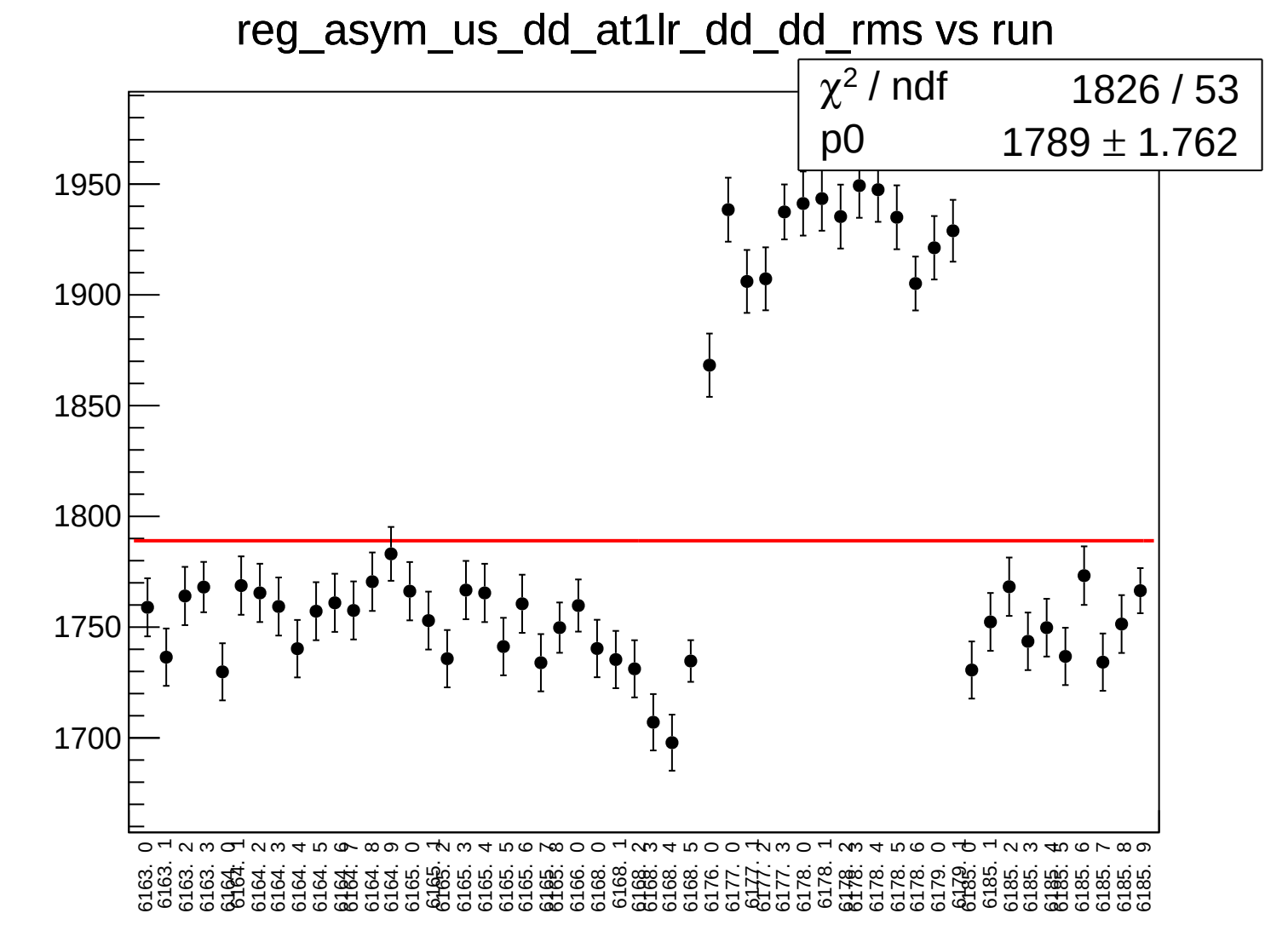

asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 44.46 / 53
p0 −4.741e−14 ± 3.732e−14
pull
Entries 54
Mean 58.67
Std Dev 0

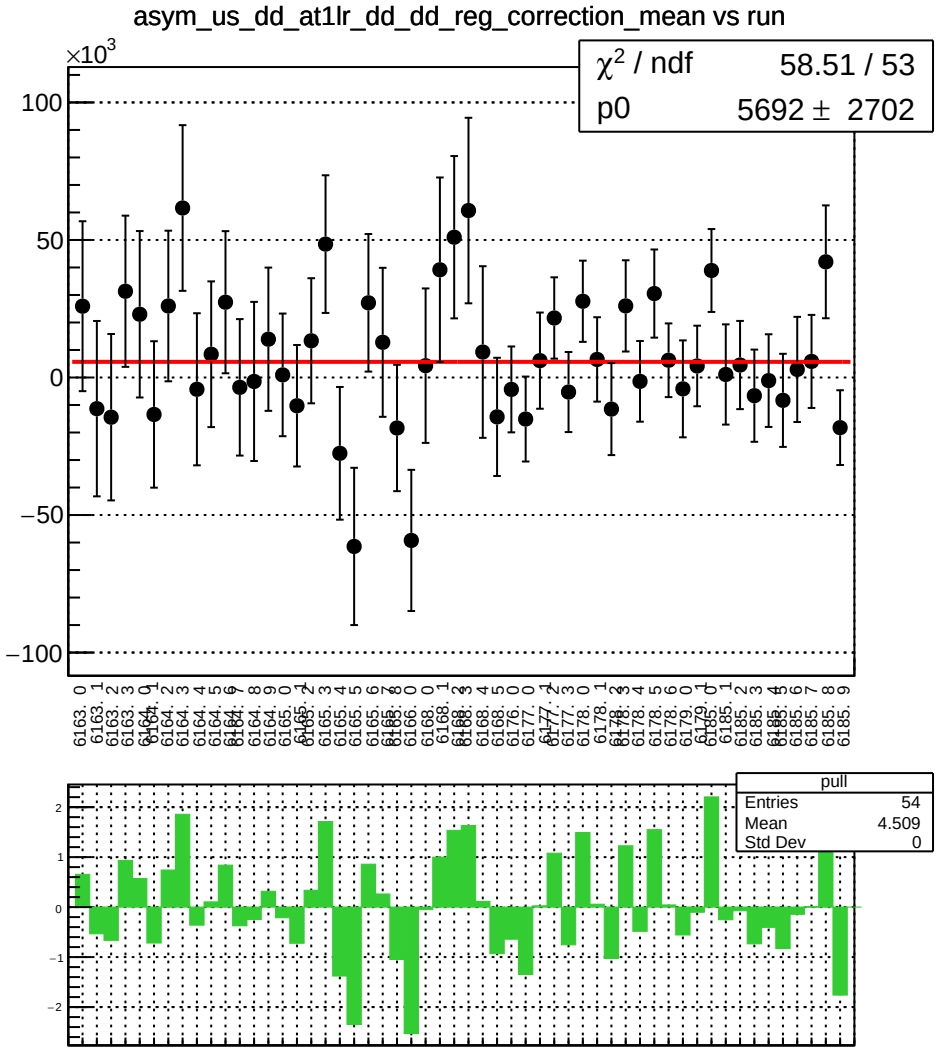

pull1D
Entries 54
Mean −0.09691
Std Dev 0.9022

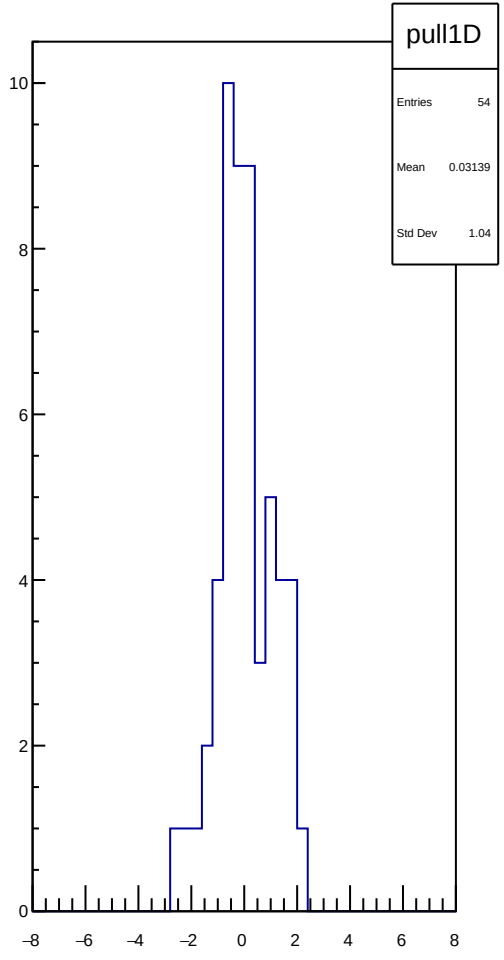

asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.534e+05 / 53
p0 1.626e−11 ± 2.639e−14
1
0.8
0.6
0.4
0.2
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

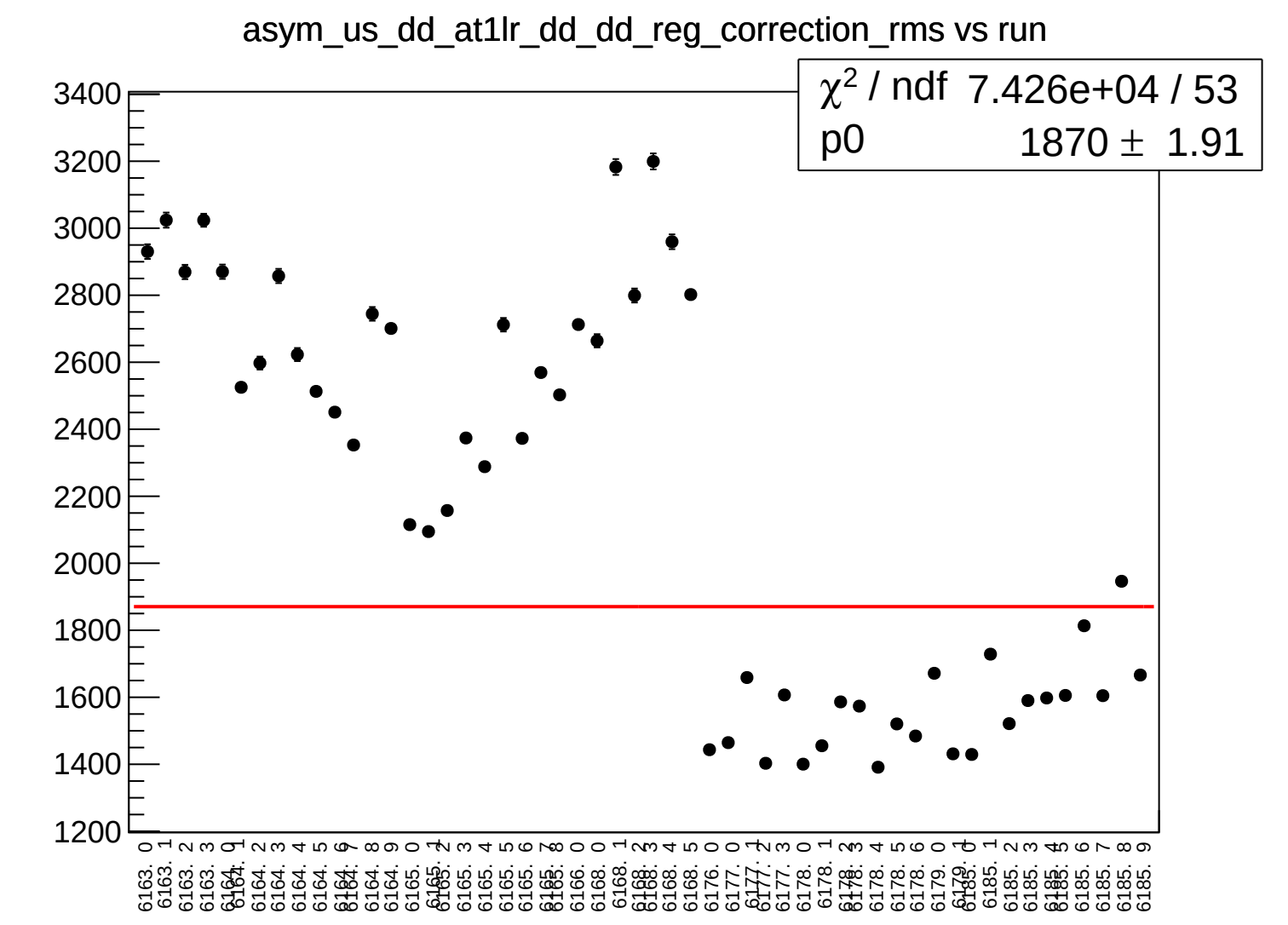

reg_asym_us_dd_at1lr_dd_dd_mean vs run
χ² / ndf 47.26 / 53
p0 2818 ± 2491
pull
Entries 54
Mean −1.913e+04
Std Dev 0

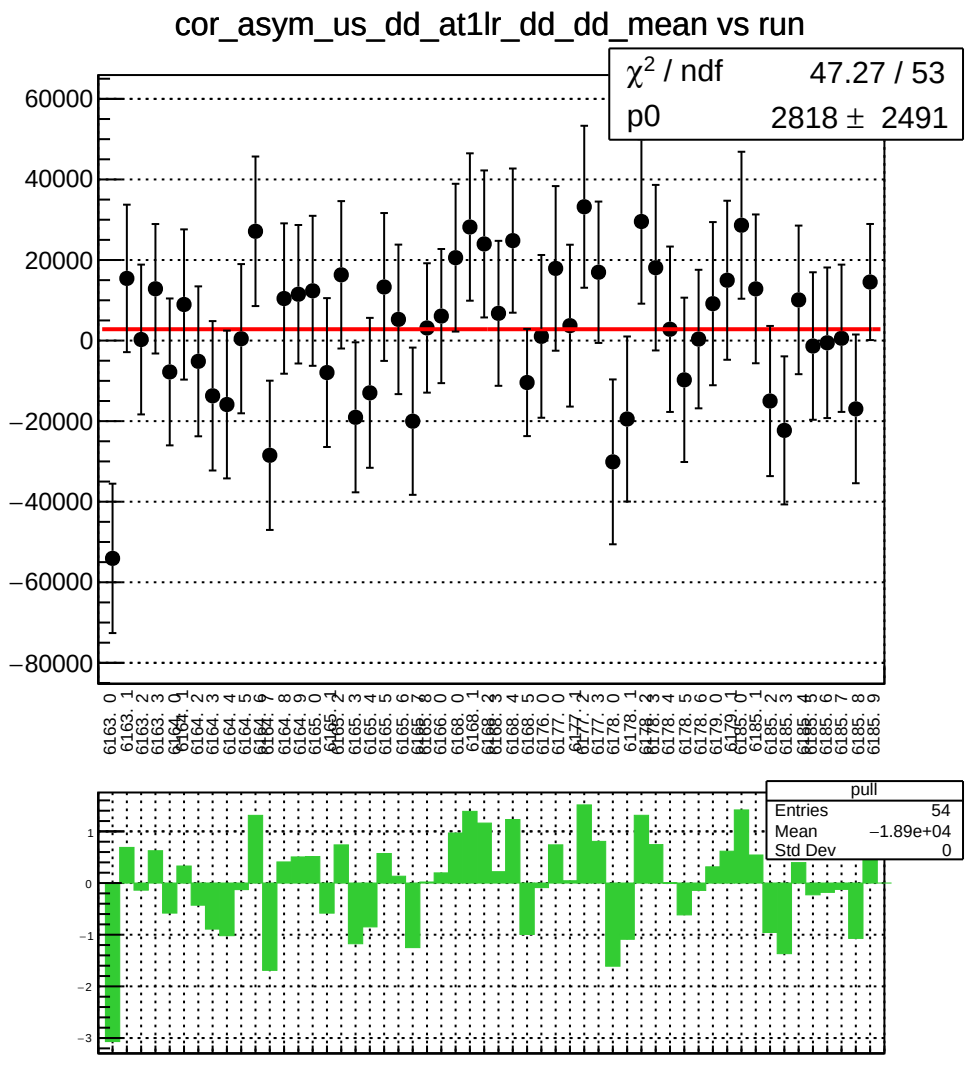

pull1D
Entries 54
Mean −0.0001008
Std Dev 0.9356

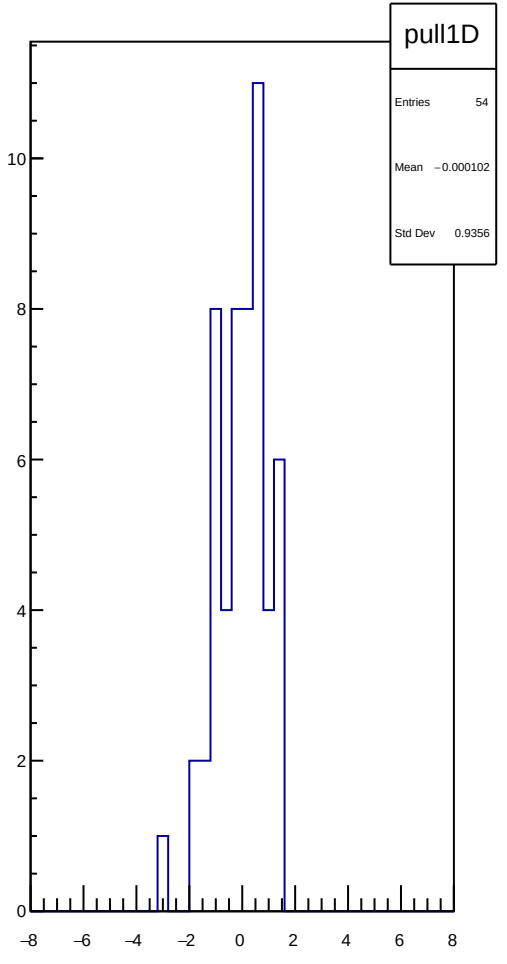

reg_asym_us_dd_at1lr_dd_dd_rms vs run
χ² / ndf 1826 / 53
p0 1789 ± 1.762
1950
1900
1850
1800
1750
1700
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

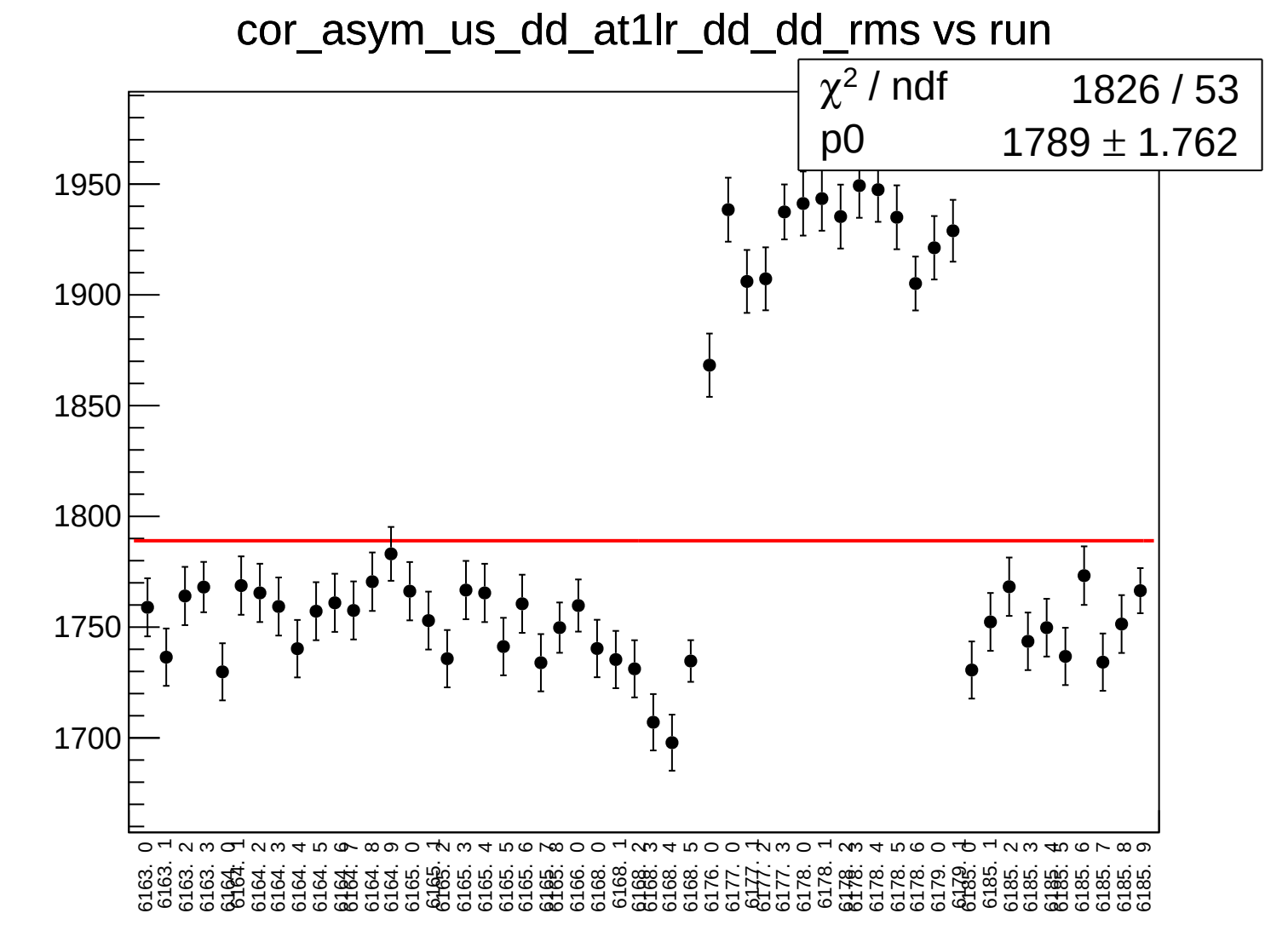

asym_us_dd_at1lr_dd_dd_reg_correction_mean vs run
×10^3
χ² / ndf 58.51 / 53
p0 5692 ± 2702
100
50
0
−50
−100
pull
Entries 54
Mean 4.509
Std Dev 0
2
1
0
−1
−2

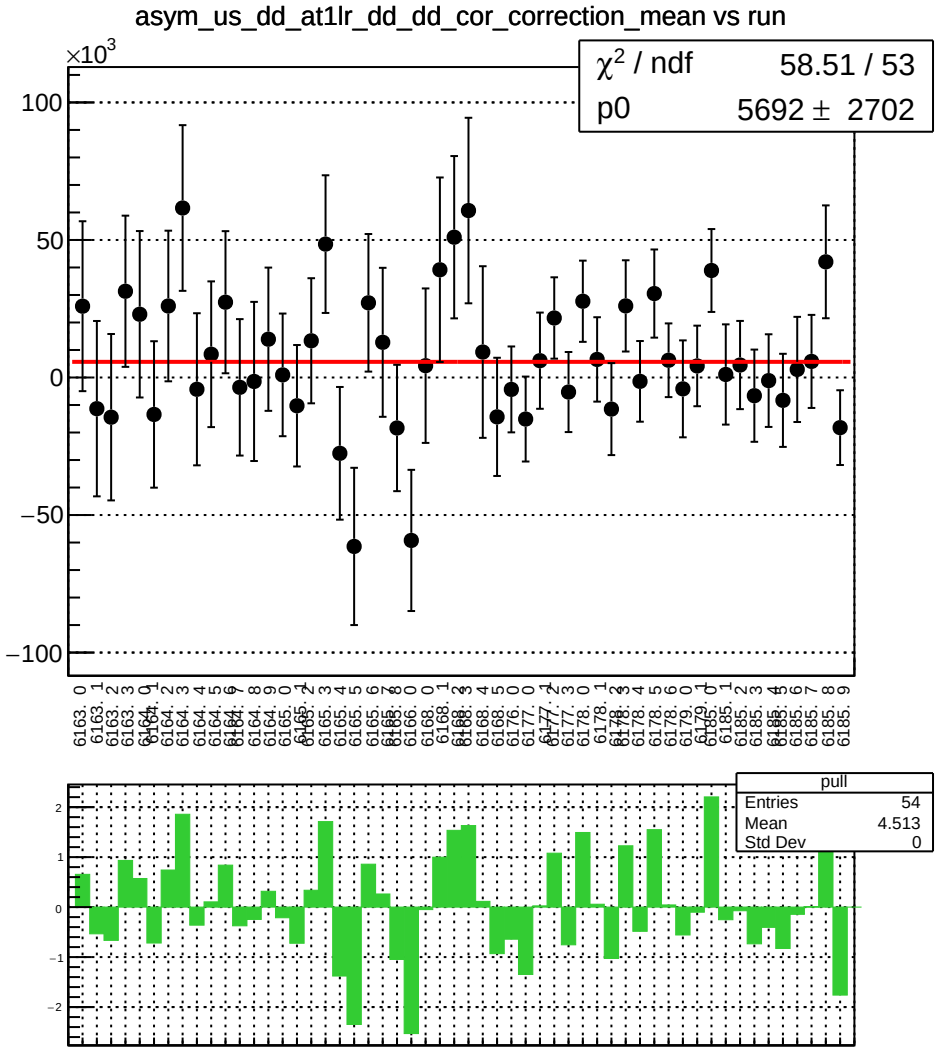

pull1D
Entries 54
Mean 0.03139
Std Dev 1.04
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

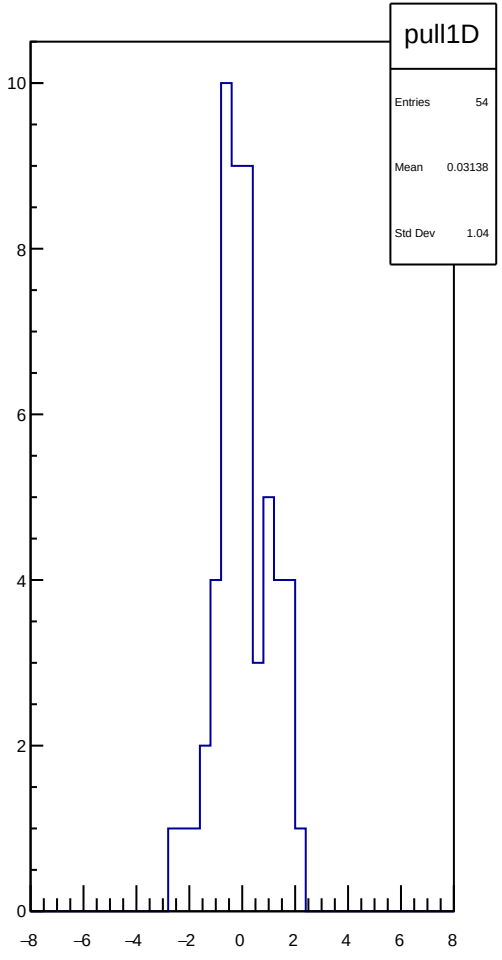

asym_us_dd_at1lr_dd_dd_reg_correction_rms vs run
χ² / ndf 7.426e+04 / 53
p0 1870 ± 1.91
3400
3200
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

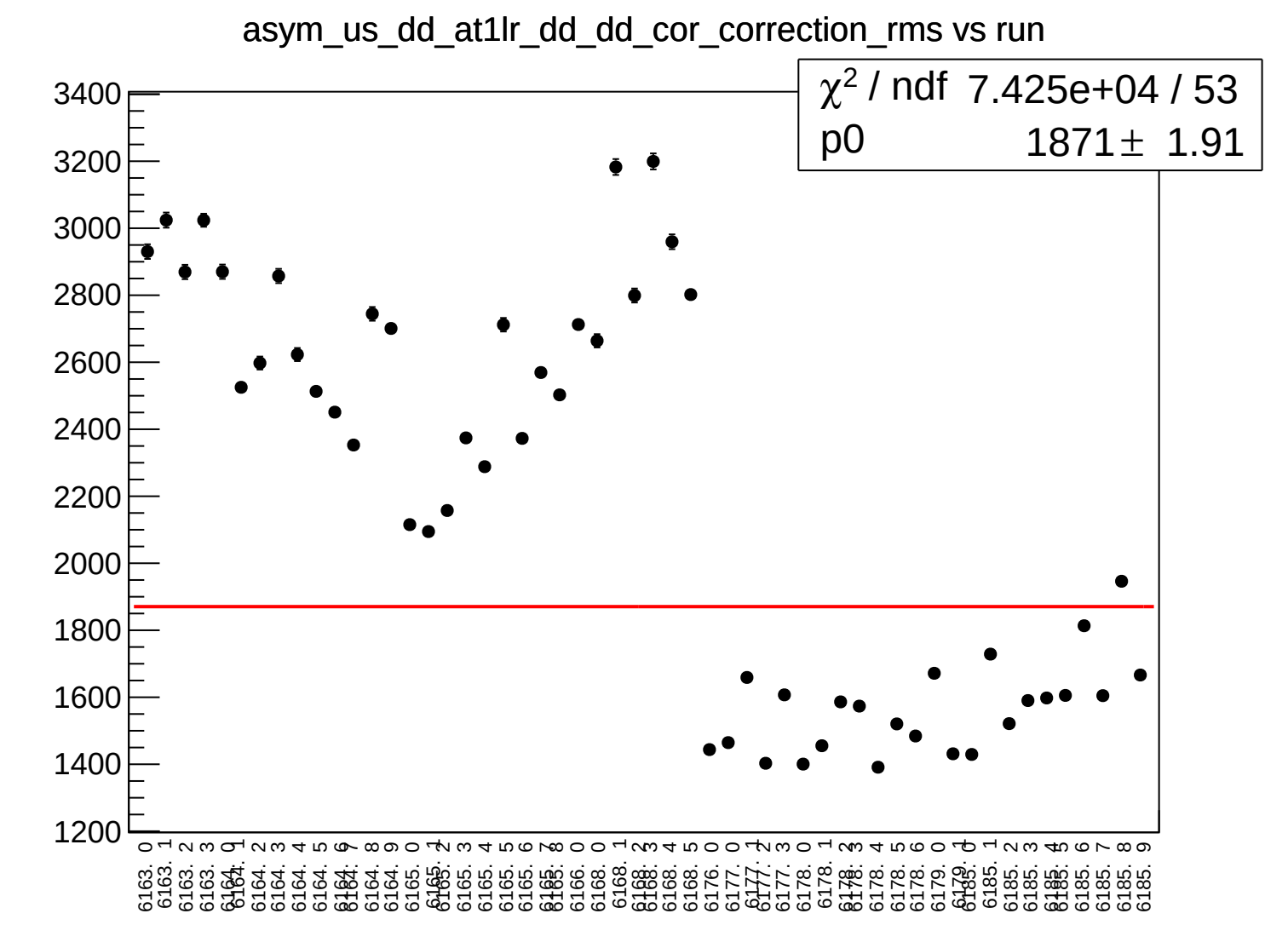

cor_asym_us_dd_at1lr_dd_dd_mean vs run
χ² / ndf 47.27 / 53
p0 2818 ± 2491
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 54
Mean −1.89e+04
Std Dev 0
1
0
−1
−2
−3

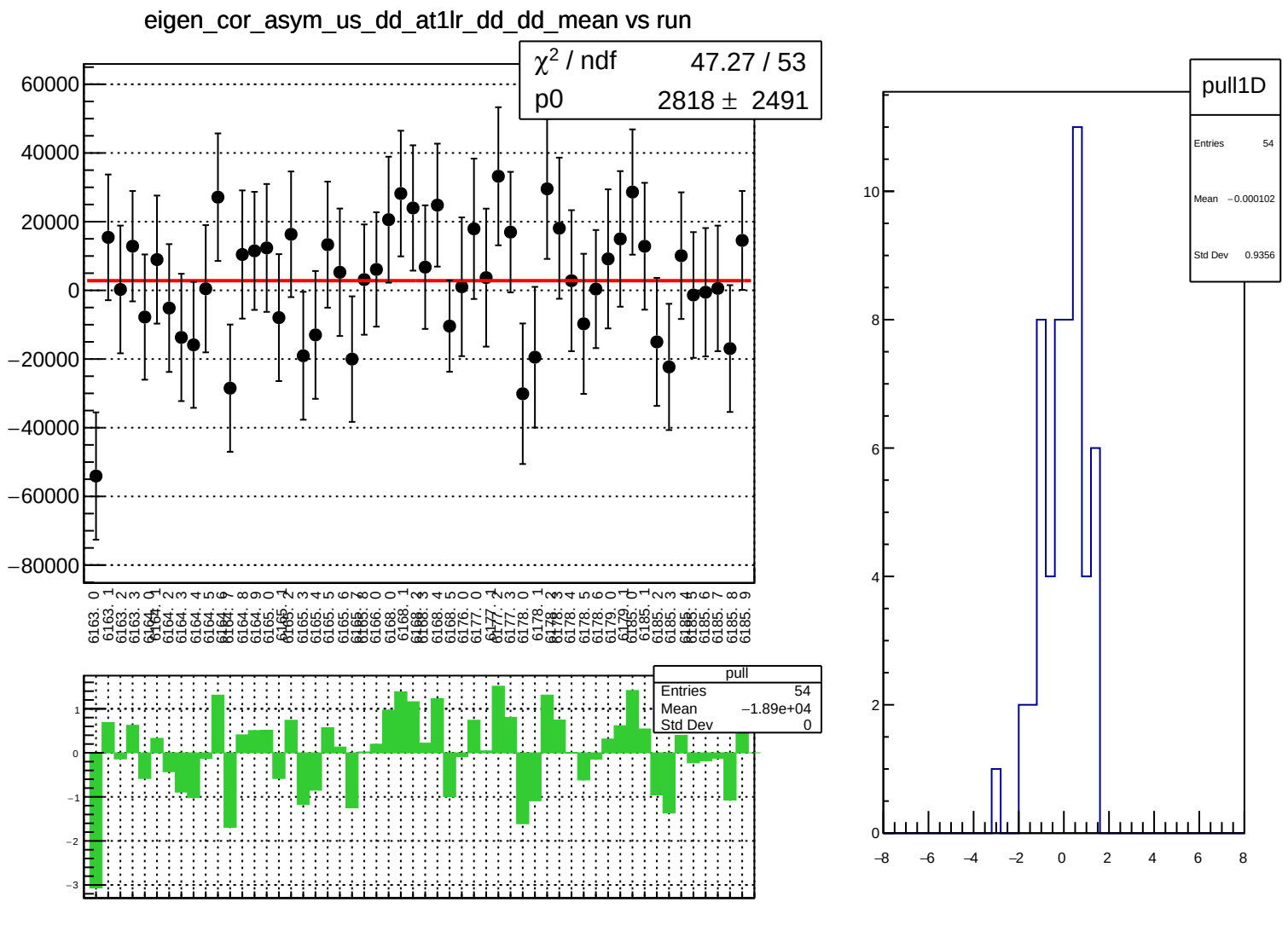

pull1D
Entries 54
Mean −0.000102
Std Dev 0.9356
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

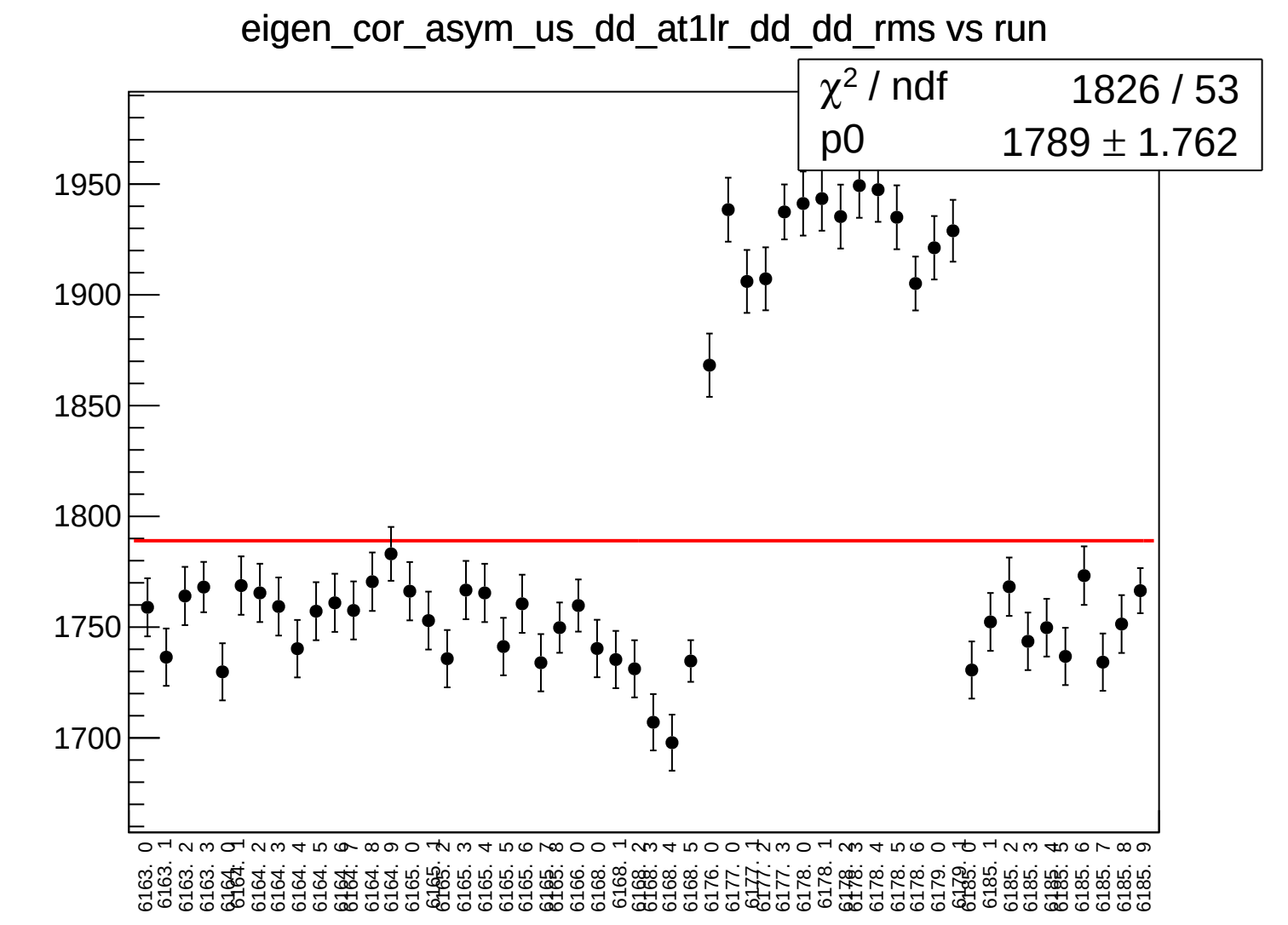

cor_asym_us_dd_at1lr_dd_dd_rms vs run
χ² / ndf 1826 / 53
p0 1789 ± 1.762
1950
1900
1850
1800
1750
1700
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

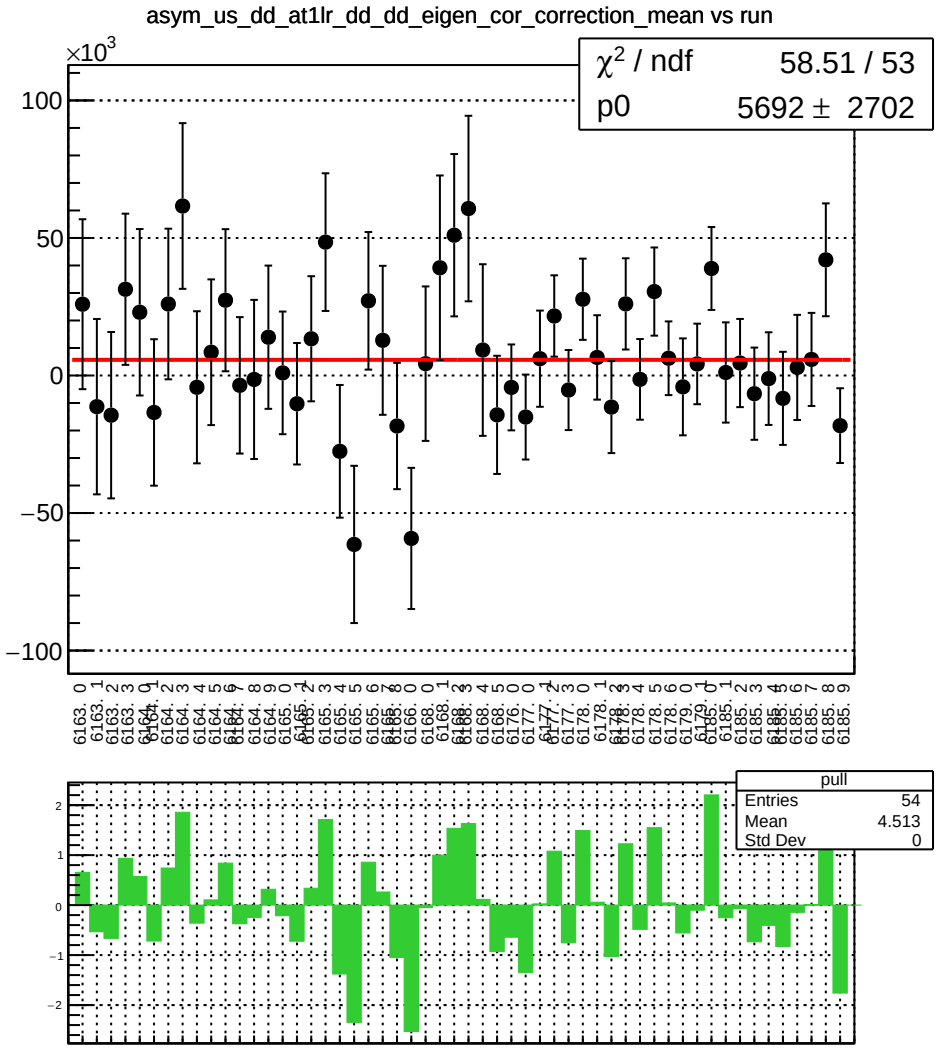

asym_us_dd_at1lr_dd_dd_cor_correction_mean vs run
×10^3
χ² / ndf 58.51 / 53
p0 5692 ± 2702
100
50
0
−50
−100
pull
Entries 54
Mean 4.513
Std Dev 0
2
1
0
−1
−2

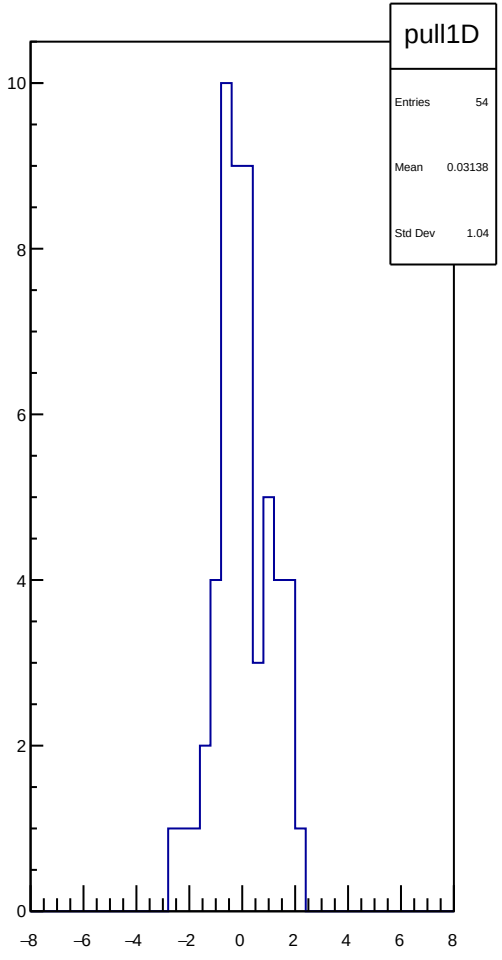

pull1D
Entries 54
Mean 0.03138
Std Dev 1.04
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

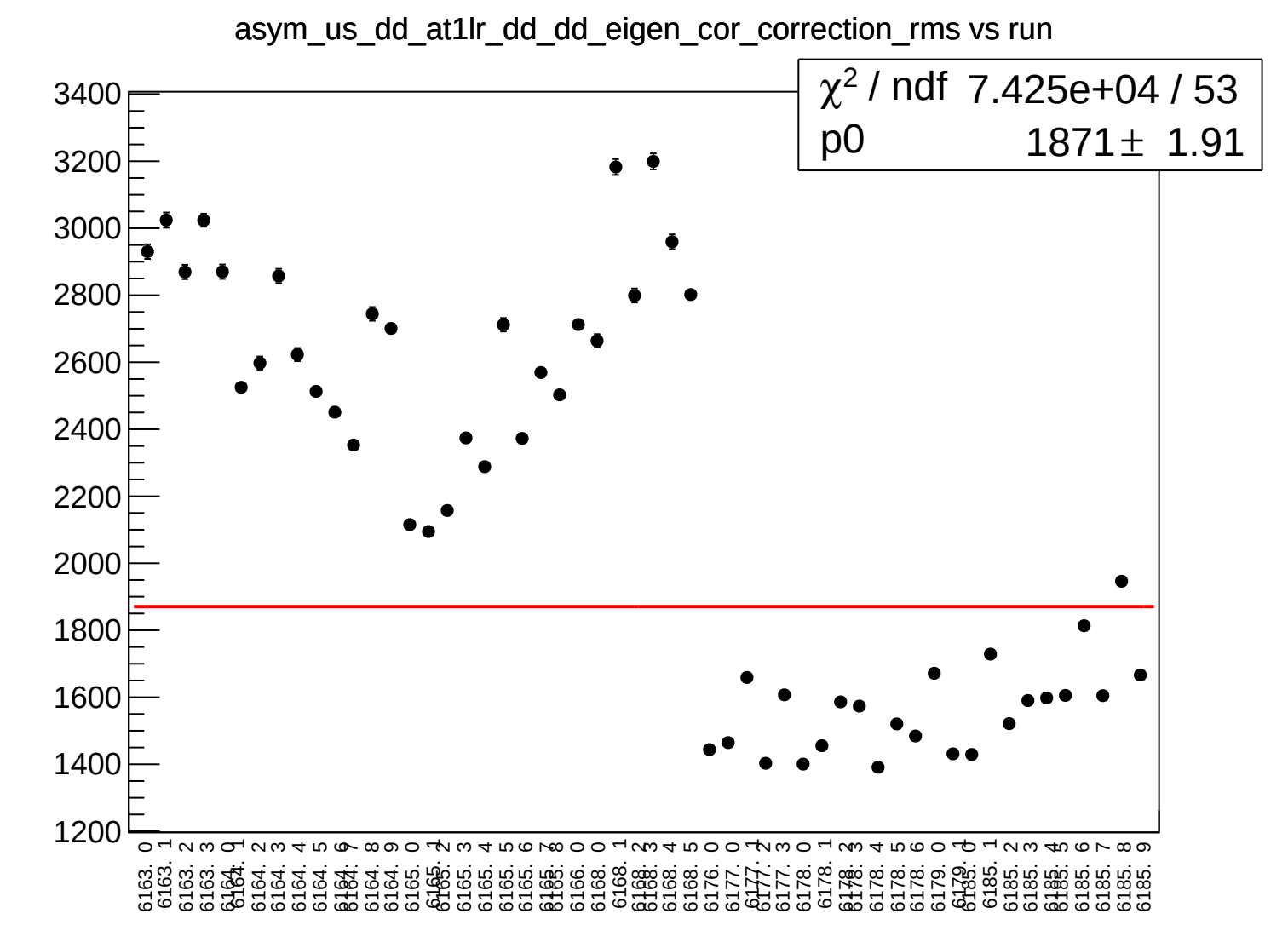

asym_us_dd_at1lr_dd_dd_cor_correction_rms vs run
χ² / ndf 7.425e+04 / 53
p0 1871 ± 1.91
3400
3200
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

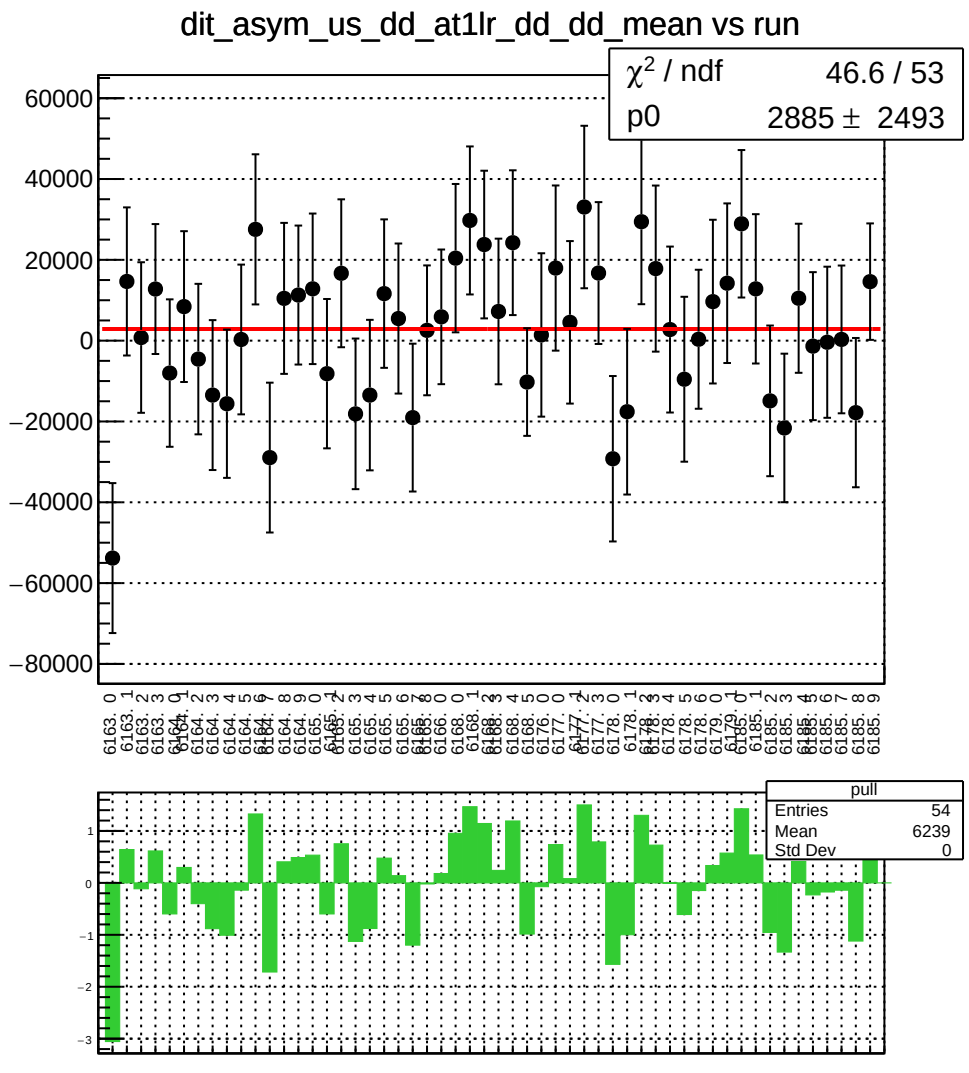

eigen_cor_asym_us_dd_at1lr_dd_dd_mean vs run
χ² / ndf 47.27 / 53
p0 2818 ± 2491
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 54
Mean −1.89e+04
Std Dev 0
pull1D
Entries 54
Mean −0.000102
Std Dev 0.9356

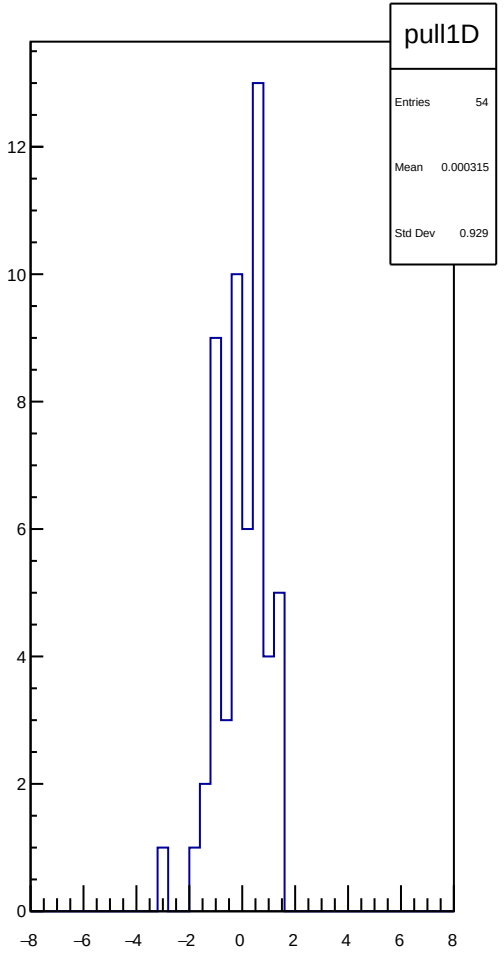

eigen_cor_asym_us_dd_at1lr_dd_dd_rms vs run
χ² / ndf 1826 / 53
p0 1789 ± 1.762
1950
1900
1850
1800
1750
1700
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

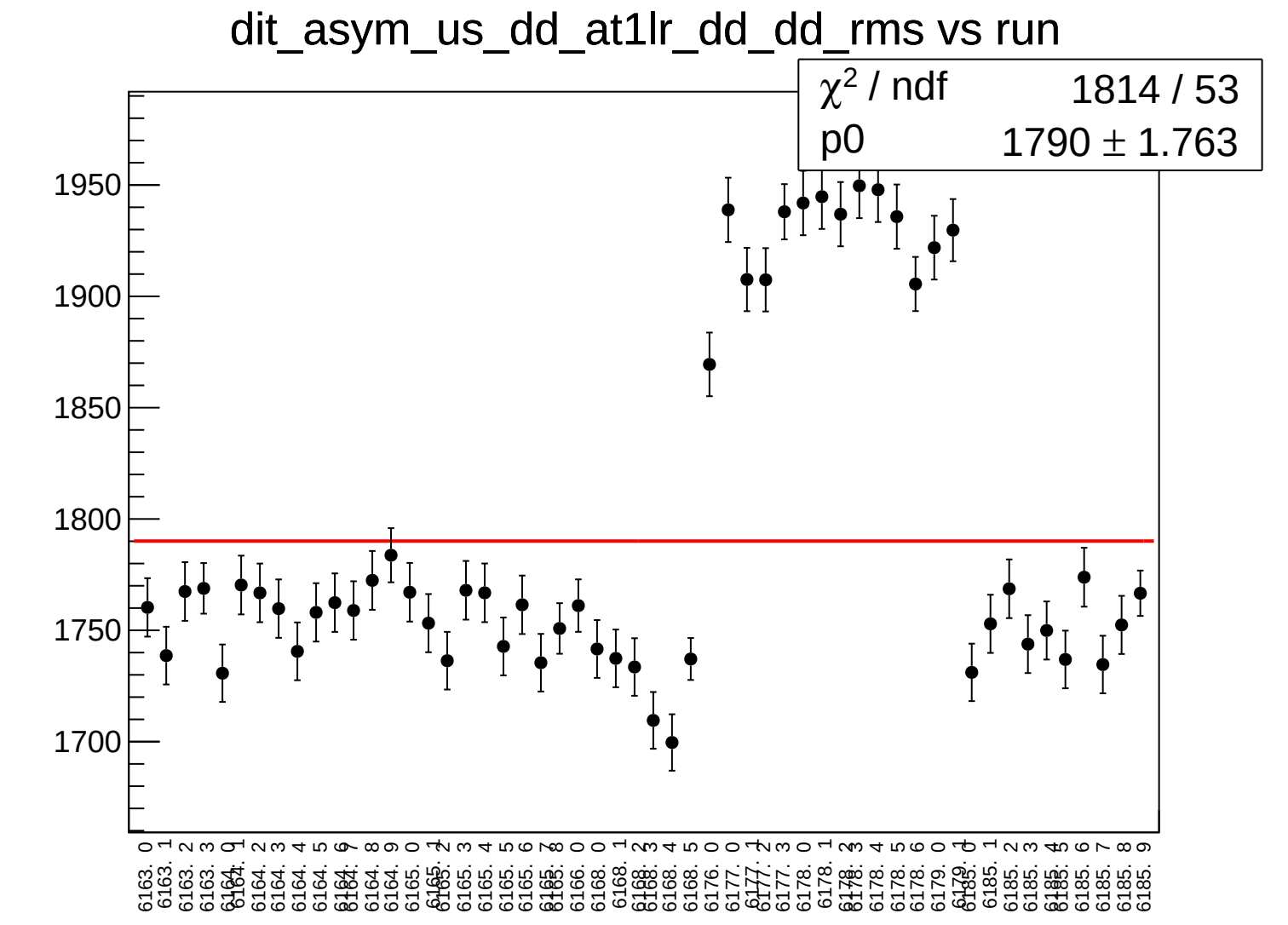

asym_us_dd_at1lr_dd_dd_eigen_cor_correction_mean vs run
×10^3
χ^2 / ndf 58.51 / 53
p0 5692 ± 2702
100
50
0
−50
−100
pull
Entries 54
Mean 4.513
Std Dev 0
2
1
0
−1
−2

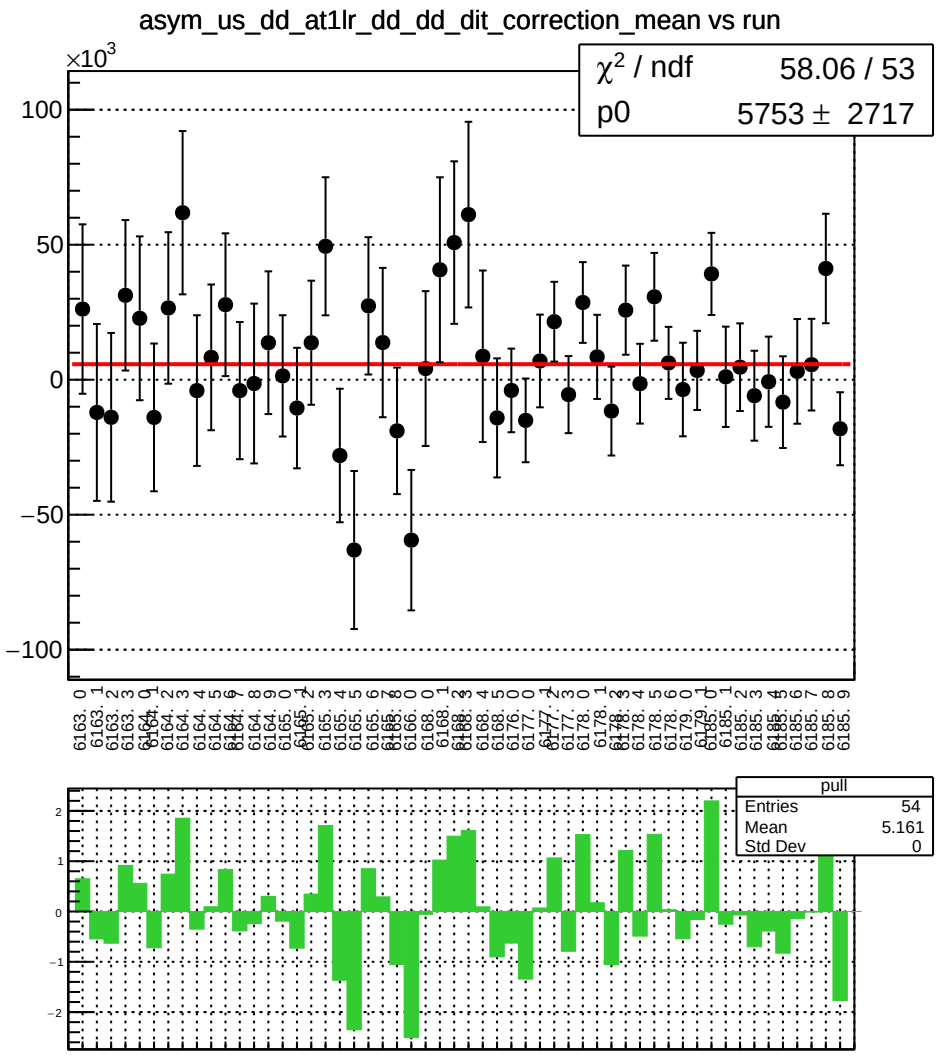

pull1D
Entries 54
Mean 0.03138
Std Dev 1.04
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

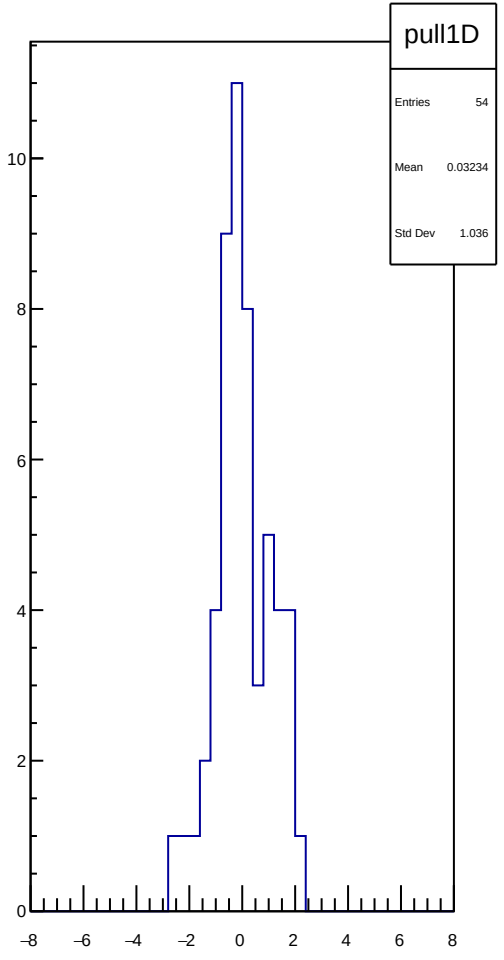

asym_us_dd_at1lr_dd_dd_eigen_cor_correction_rms vs run
χ² / ndf 7.425e+04 / 53
p0 1871 ± 1.91
3400
3200
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

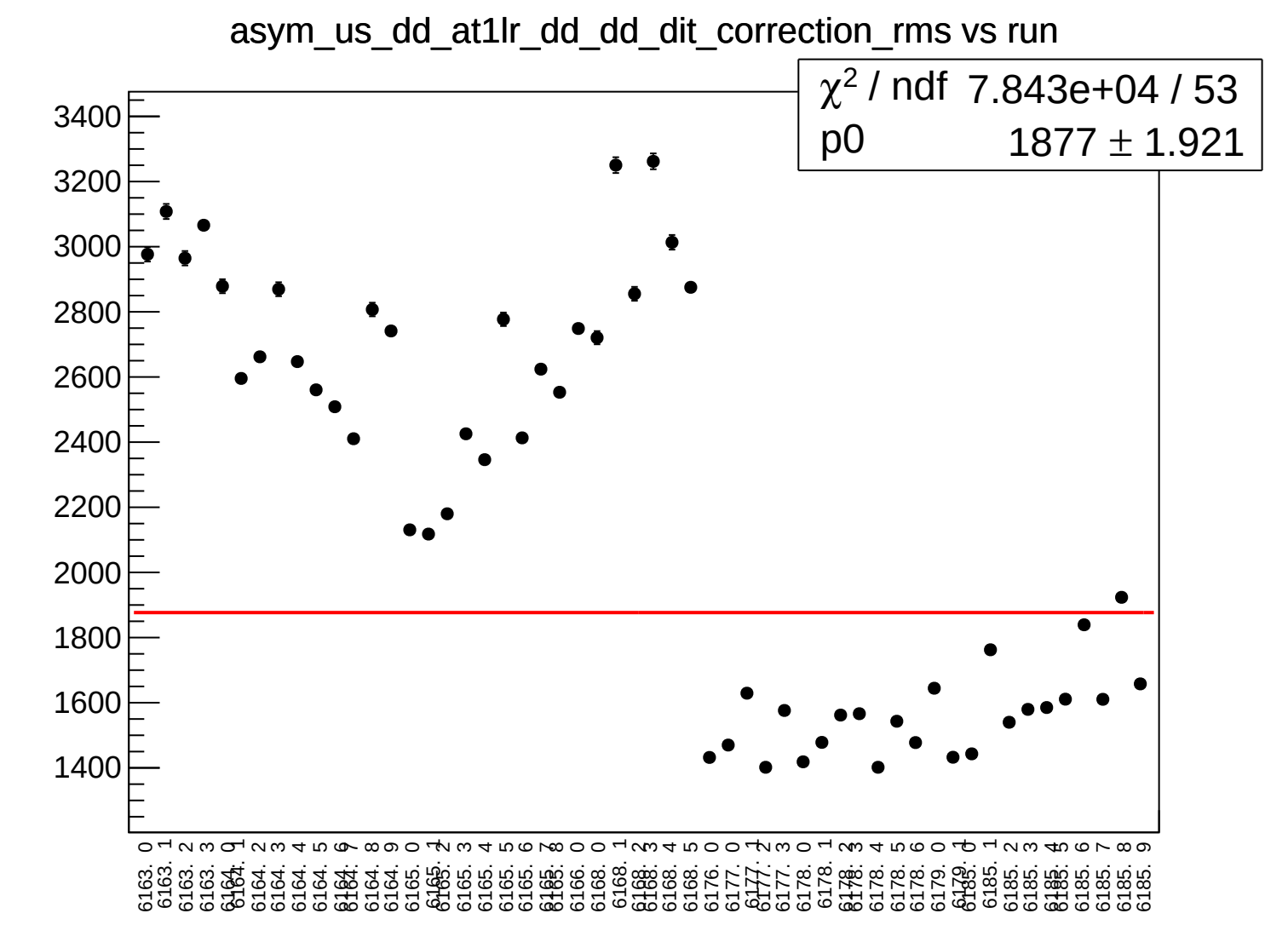

dit_asym_us_dd_at1lr_dd_dd_mean vs run
χ² / ndf 46.6 / 53
p0 2885 ± 2493
pull
Entries 54
Mean 6239
Std Dev 0

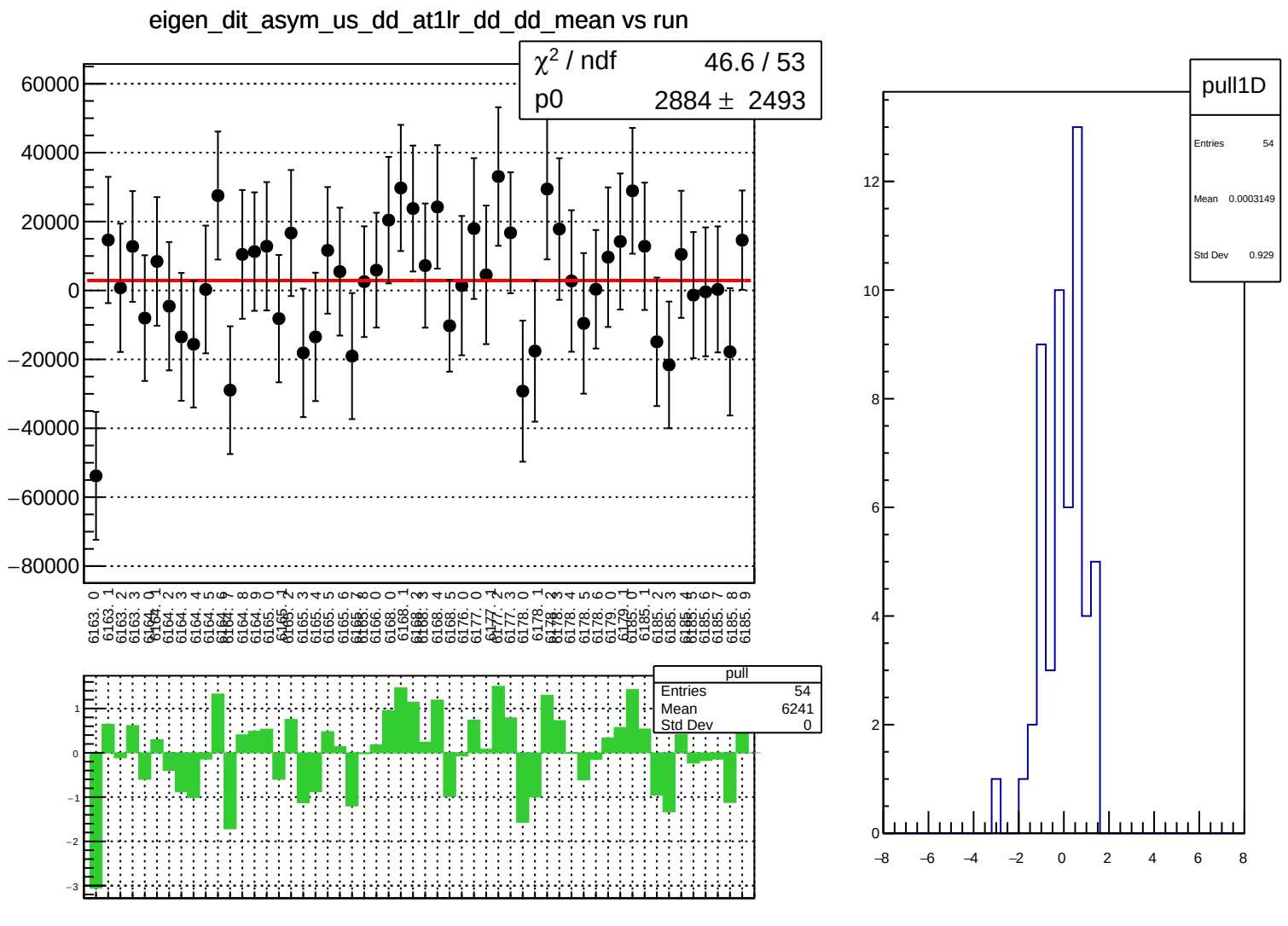

pull1D
Entries 54
Mean 0.000315
Std Dev 0.929

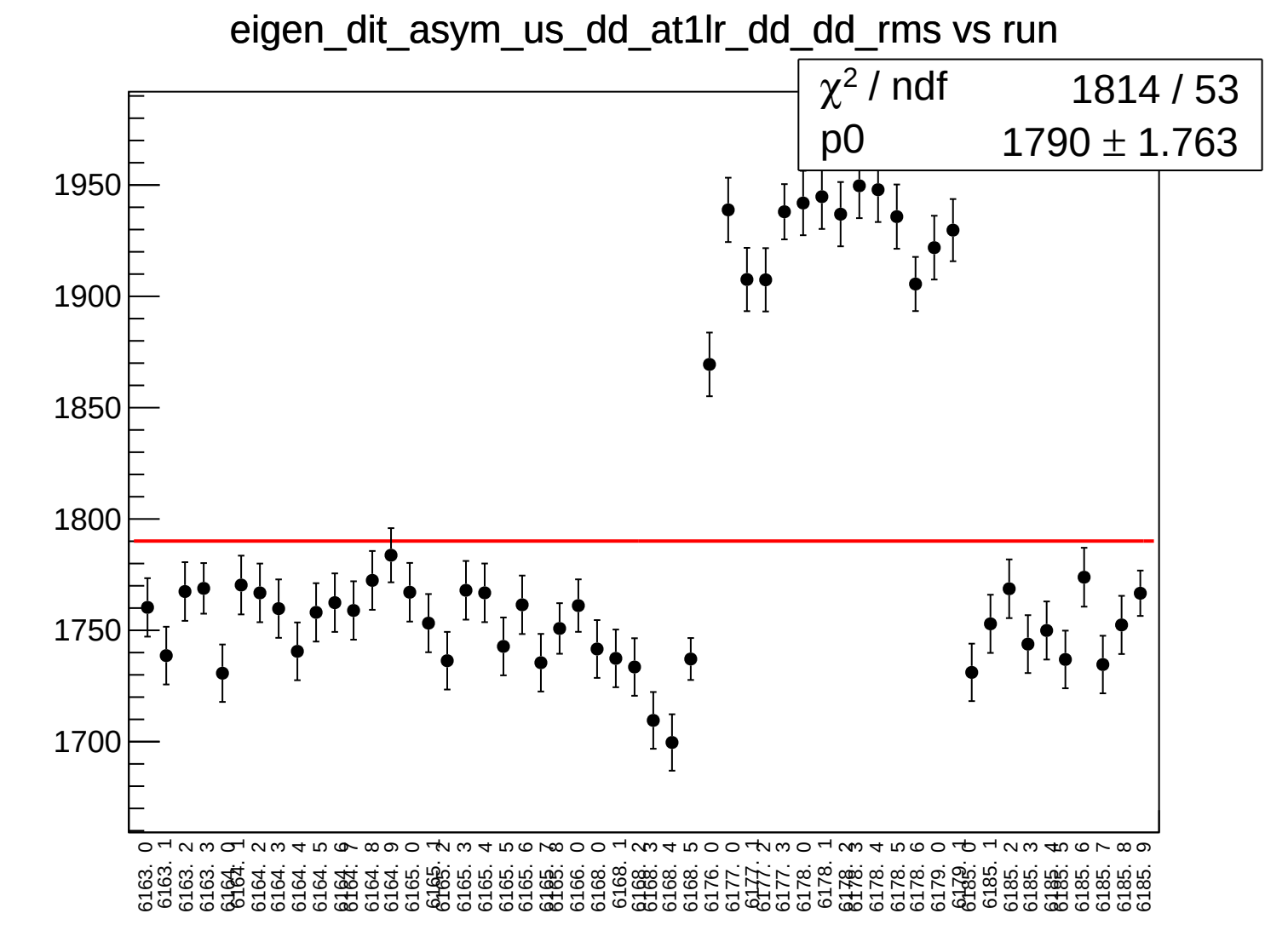

dit_asym_us_dd_at1lr_dd_dd_rms vs run
χ² / ndf 1814 / 53
p0 1790 ± 1.763
1950
1900
1850
1800
1750
1700
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

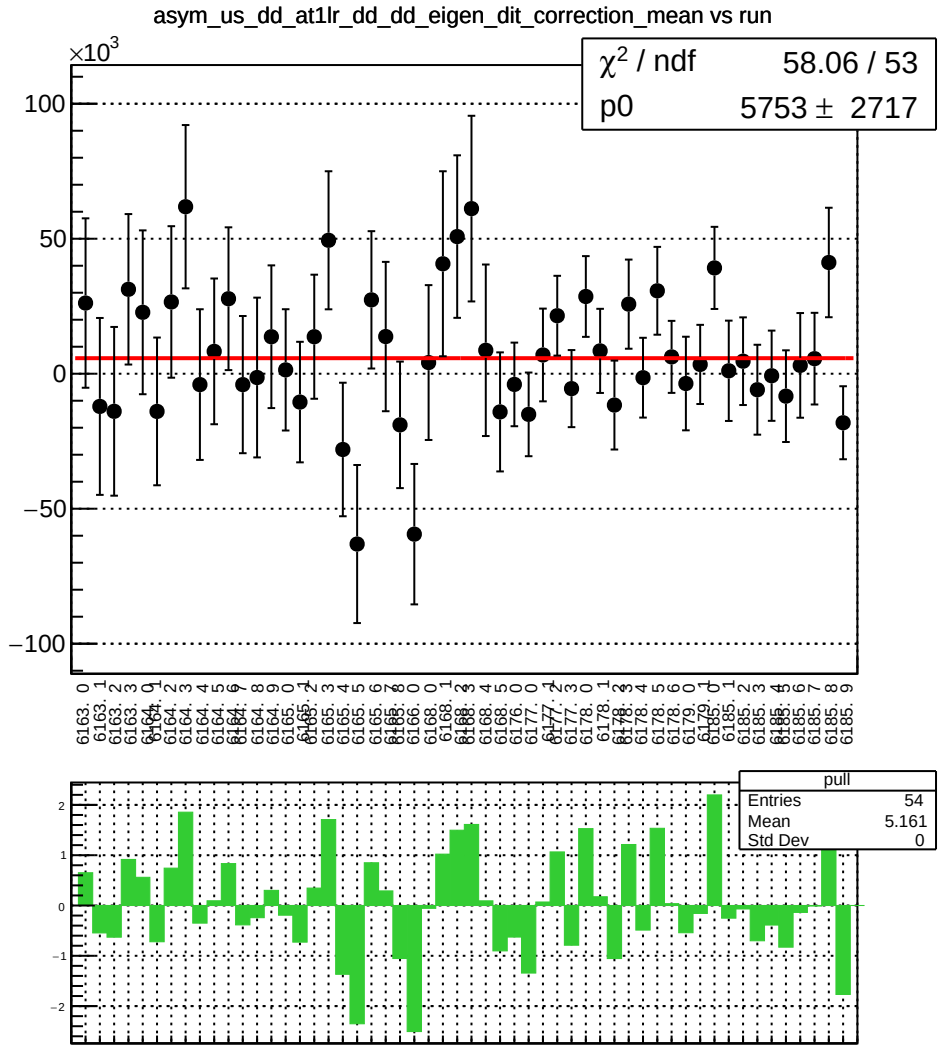

asym_us_dd_at1lr_dd_dd_dit_correction_mean vs run
×10^3
χ^2 / ndf 58.06 / 53
p0 5753 ± 2717
100
50
0
−50
−100
pull
Entries 54
Mean 5.161
Std Dev 0
2
1
0
−1
−2

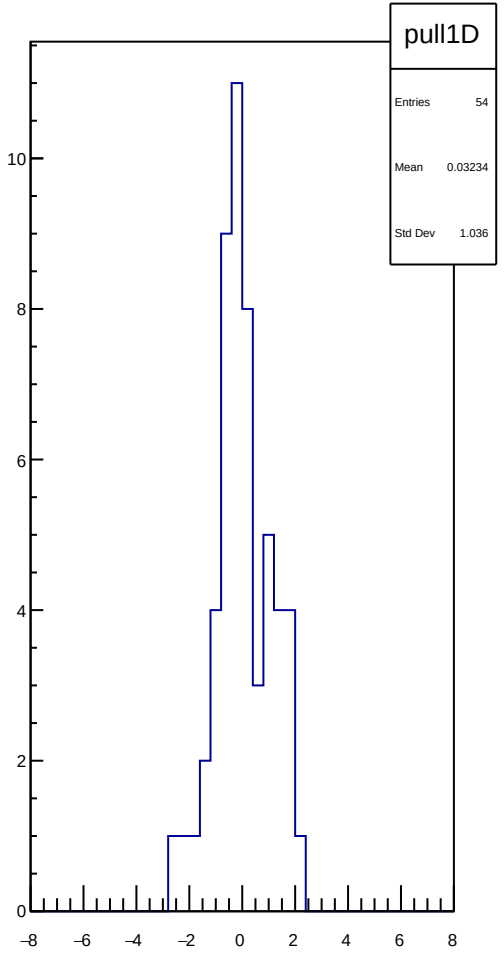

pull1D
Entries 54
Mean 0.03234
Std Dev 1.036
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

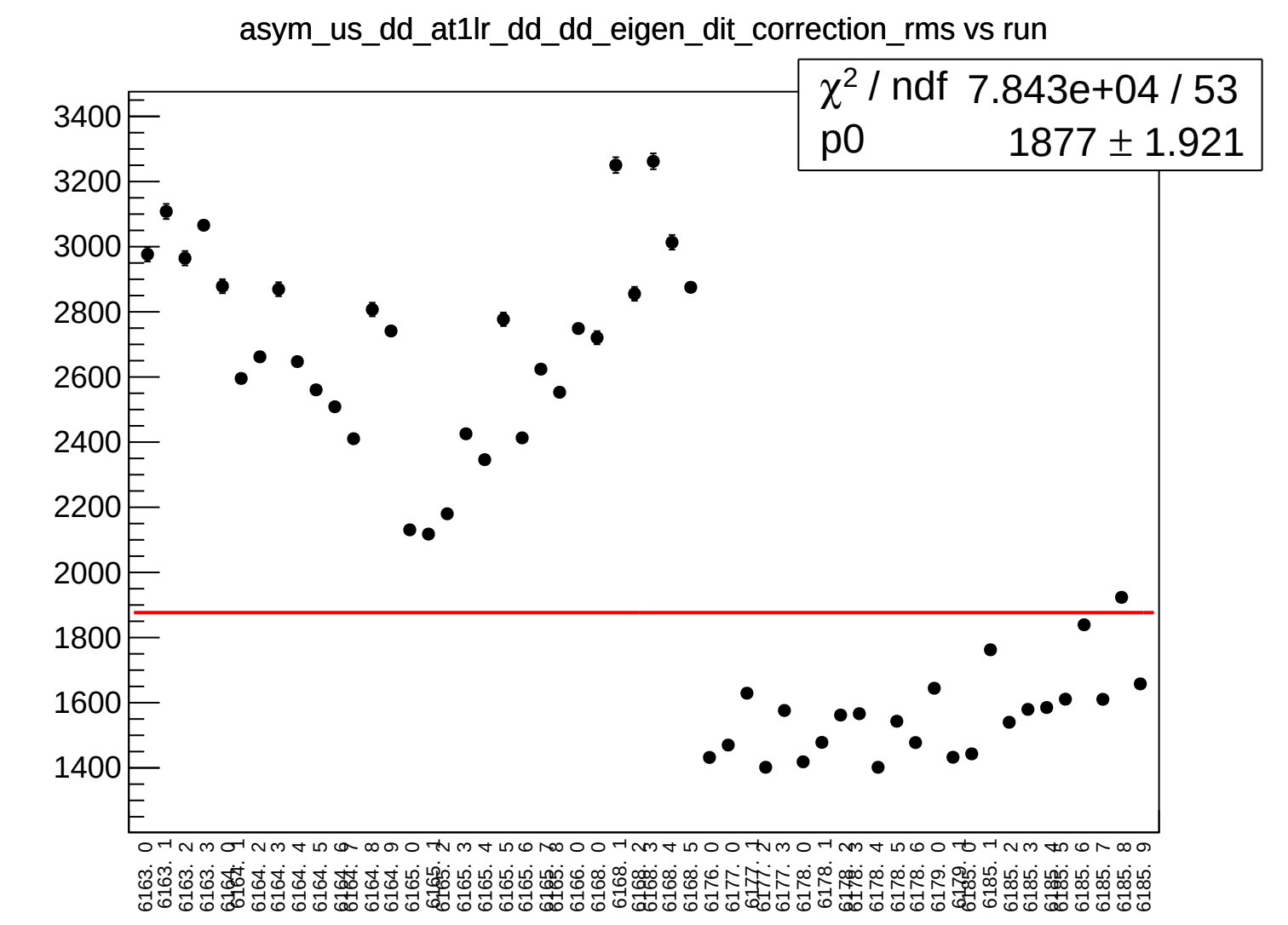

asym_us_dd_at1lr_dd_dd_dit_correction_rms vs run
χ² / ndf 7.843e+04 / 53
p0 1877 ± 1.921
3400
3200
3000
2800
2600
2400
2200
2000
1800
1600
1400
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

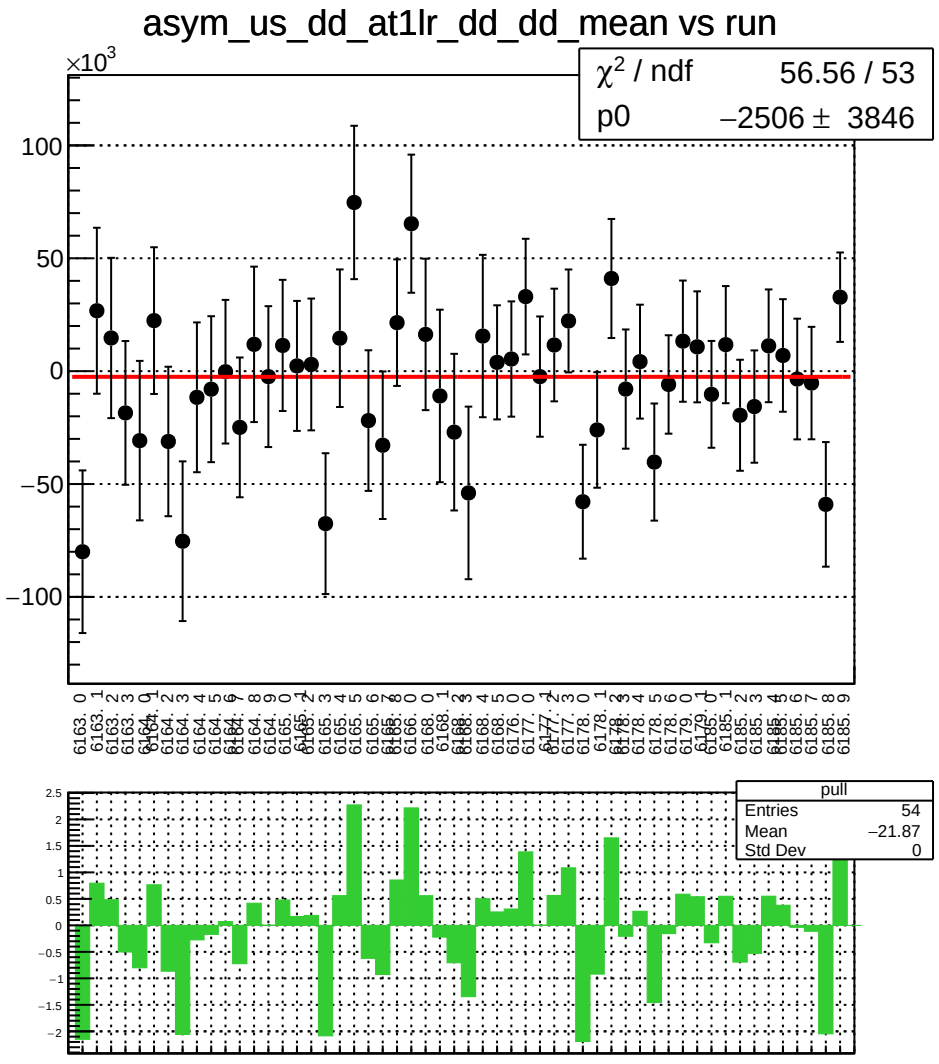

eigen_dit_asym_us_dd_at1lr_dd_dd_mean vs run
χ² / ndf 46.6 / 53
p0 2884 ± 2493
pull
Entries 54
Mean 6241
Std Dev 0
pull1D
Entries 54
Mean 0.0003149
Std Dev 0.929

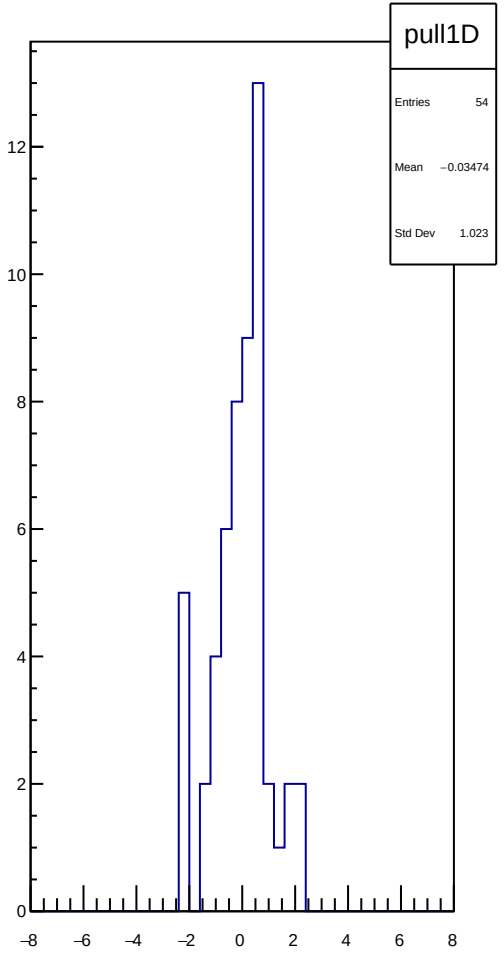

eigen_dit_asym_us_dd_at1lr_dd_dd_rms vs run
χ² / ndf 1814 / 53
p0 1790 ± 1.763
1950
1900
1850
1800
1750
1700
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

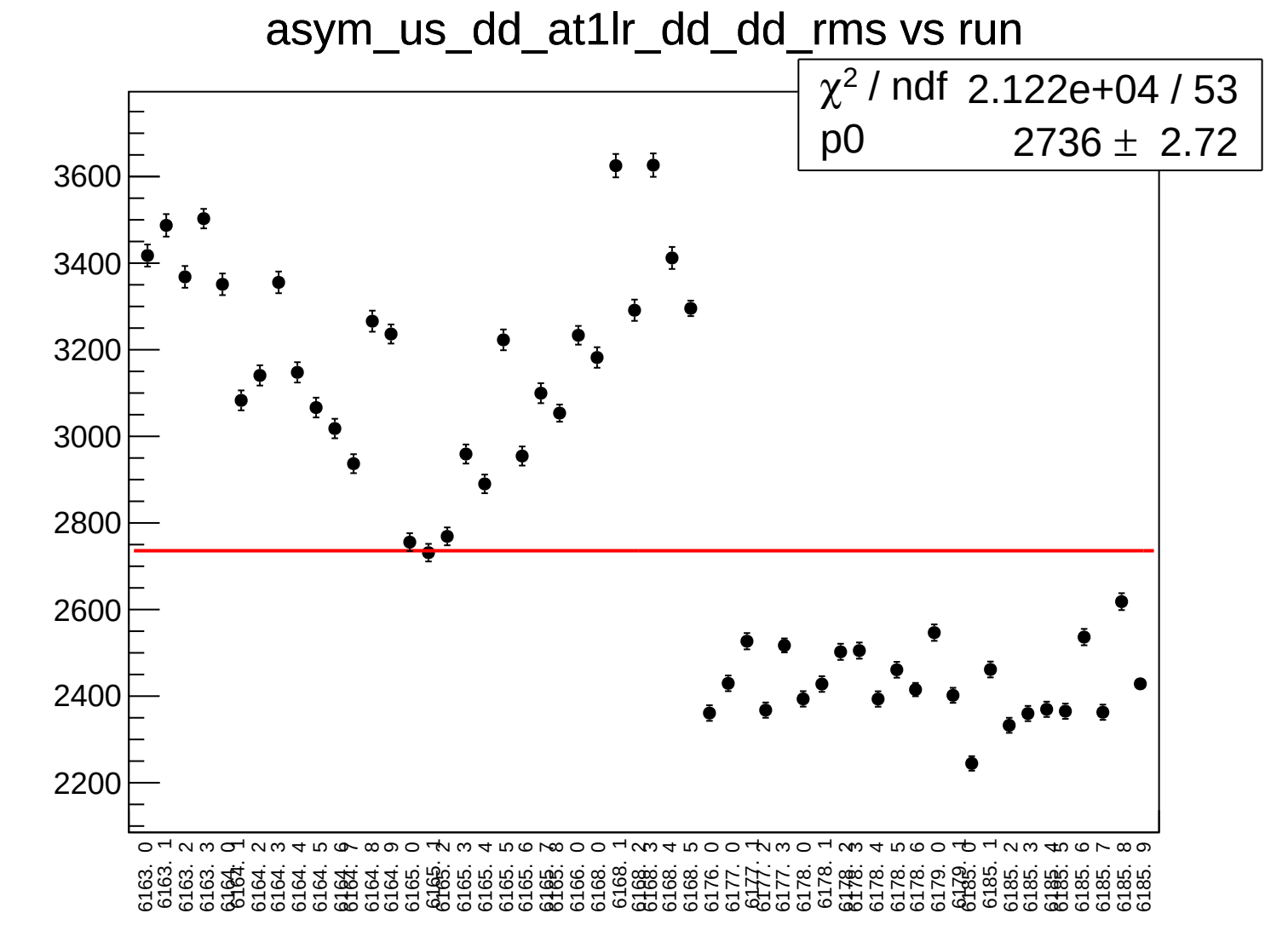

asym_us_dd_at1lr_dd_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 58.06 / 53
p0 5753 ± 2717
100
50
0
−50
−100
pull
Entries 54
Mean 5.161
Std Dev 0
2
1
0
−1
−2

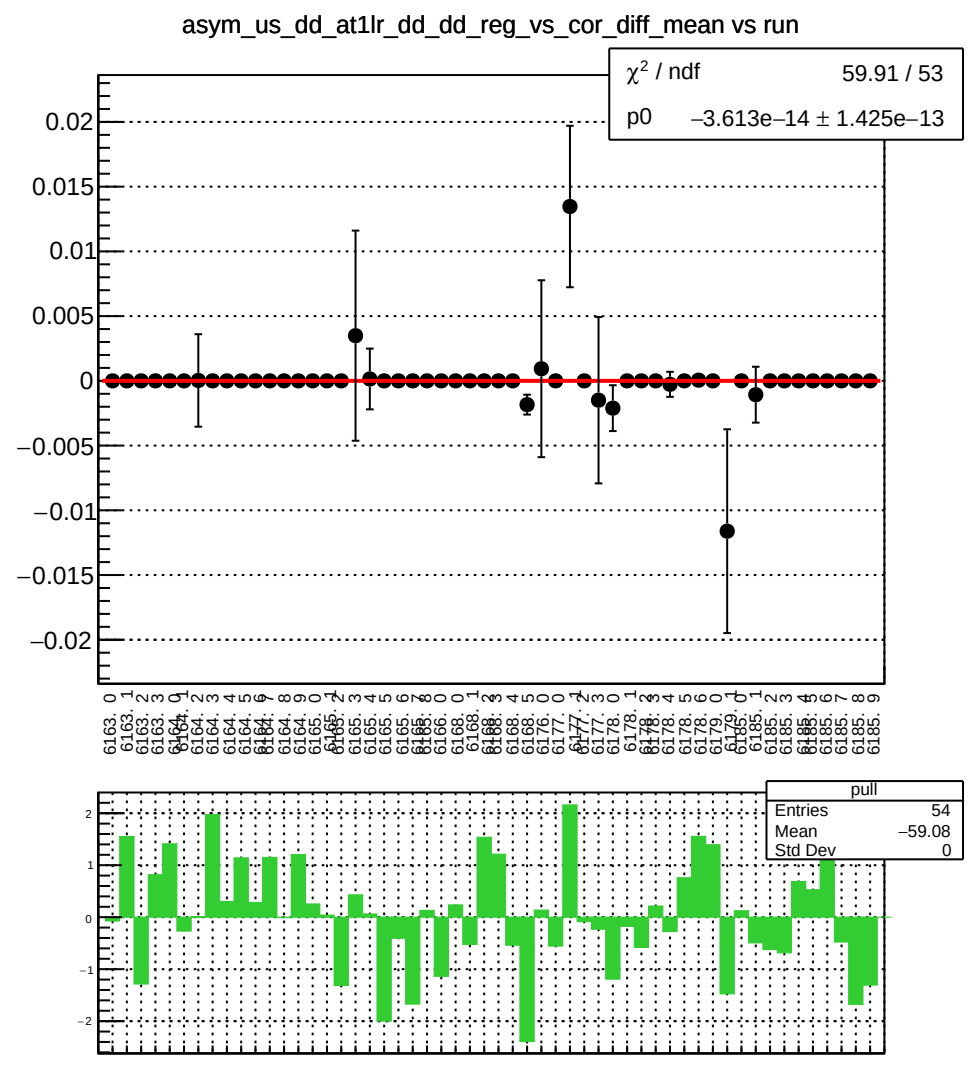

pull1D
Entries 54
Mean 0.03234
Std Dev 1.036
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

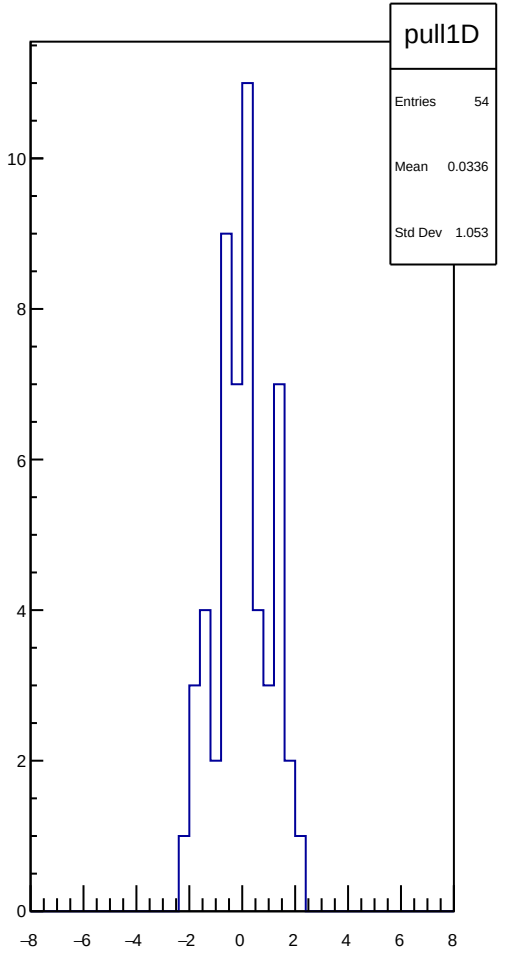

asym_us_dd_at1lr_dd_dd_eigen_dit_correction_rms vs run
χ² / ndf 7.843e+04 / 53
p0 1877 ± 1.921
3400
3200
3000
2800
2600
2400
2200
2000
1800
1600
1400
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

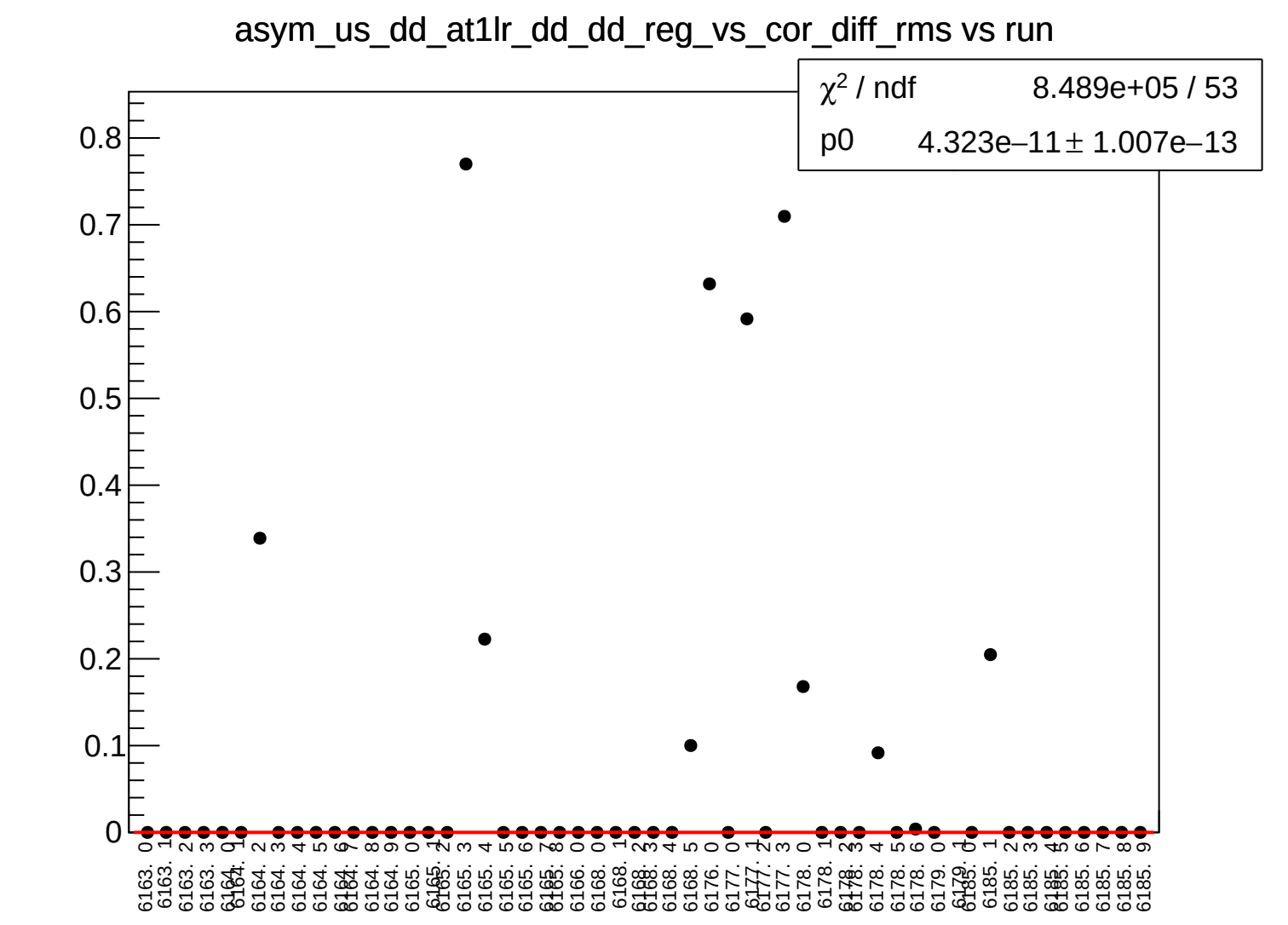

asym_us_dd_at1lr_dd_dd_mean vs run
×10^3
χ² / ndf 56.56 / 53
p0 −2506 ± 3846
100
50
0
−50
−100
pull
Entries 54
Mean −21.87
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

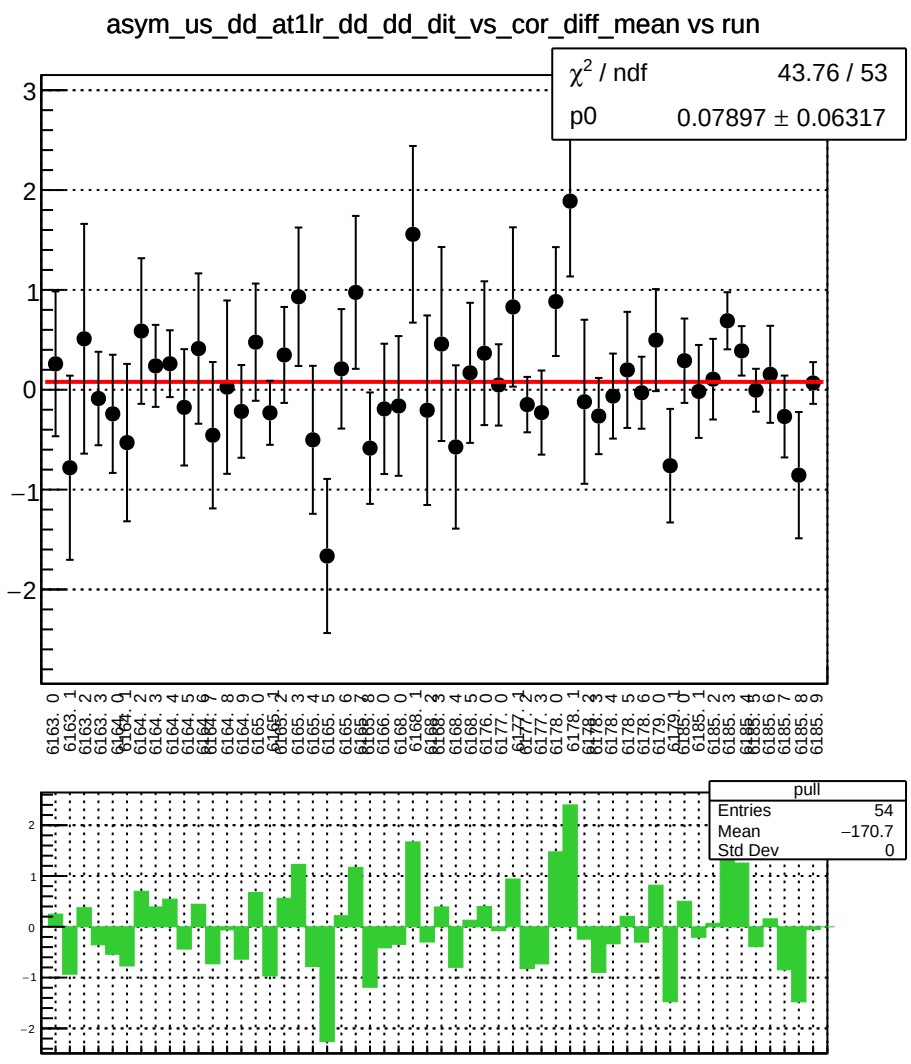

pull1D
Entries 54
Mean −0.03474
Std Dev 1.023
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

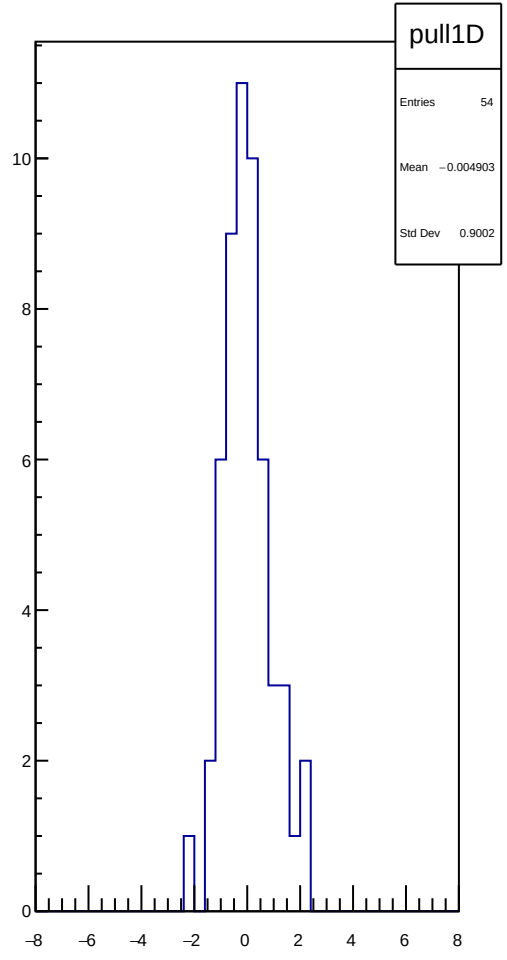

asym_us_dd_at1lr_dd_dd_rms vs run
χ² / ndf 2.122e+04 / 53
p0 2736 ± 2.72
3600
3400
3200
3000
2800
2600
2400
2200
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

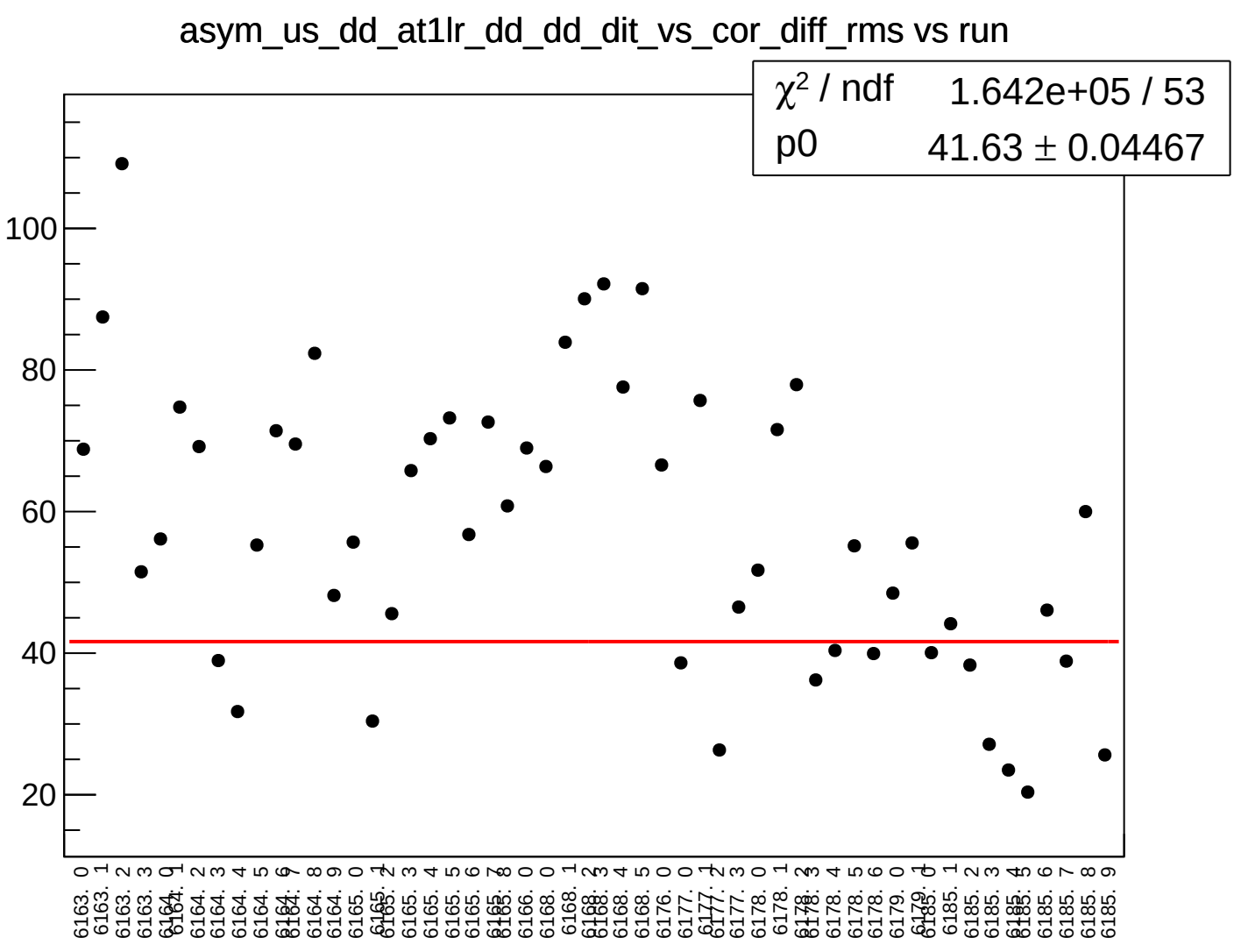

asym_us_dd_at1lr_dd_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 59.91 / 53
p0 −3.613e−14 ± 1.425e−13
pull
Entries 54
Mean −59.08
Std Dev 0

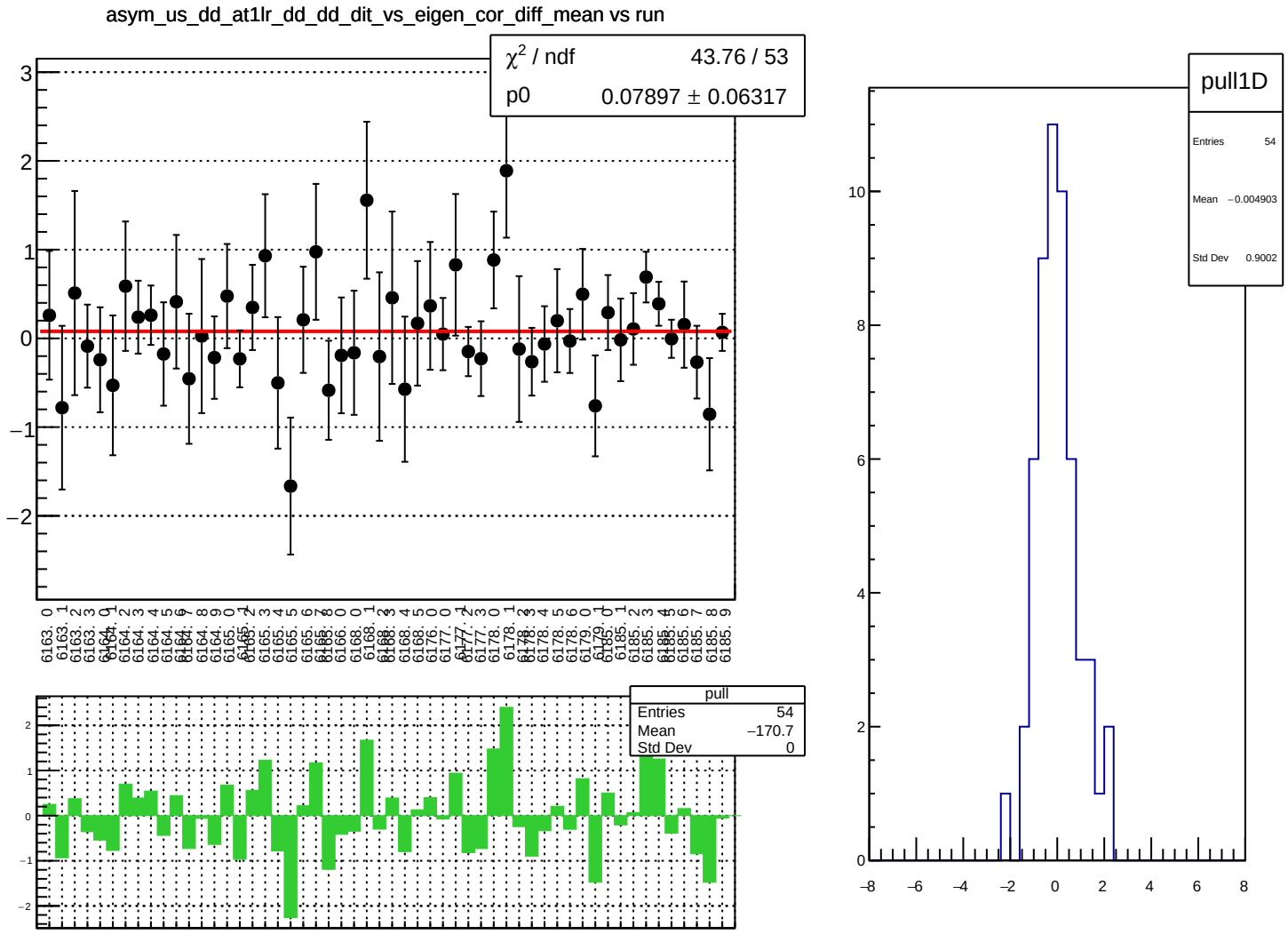

pull1D
Entries 54
Mean 0.0336
Std Dev 1.053

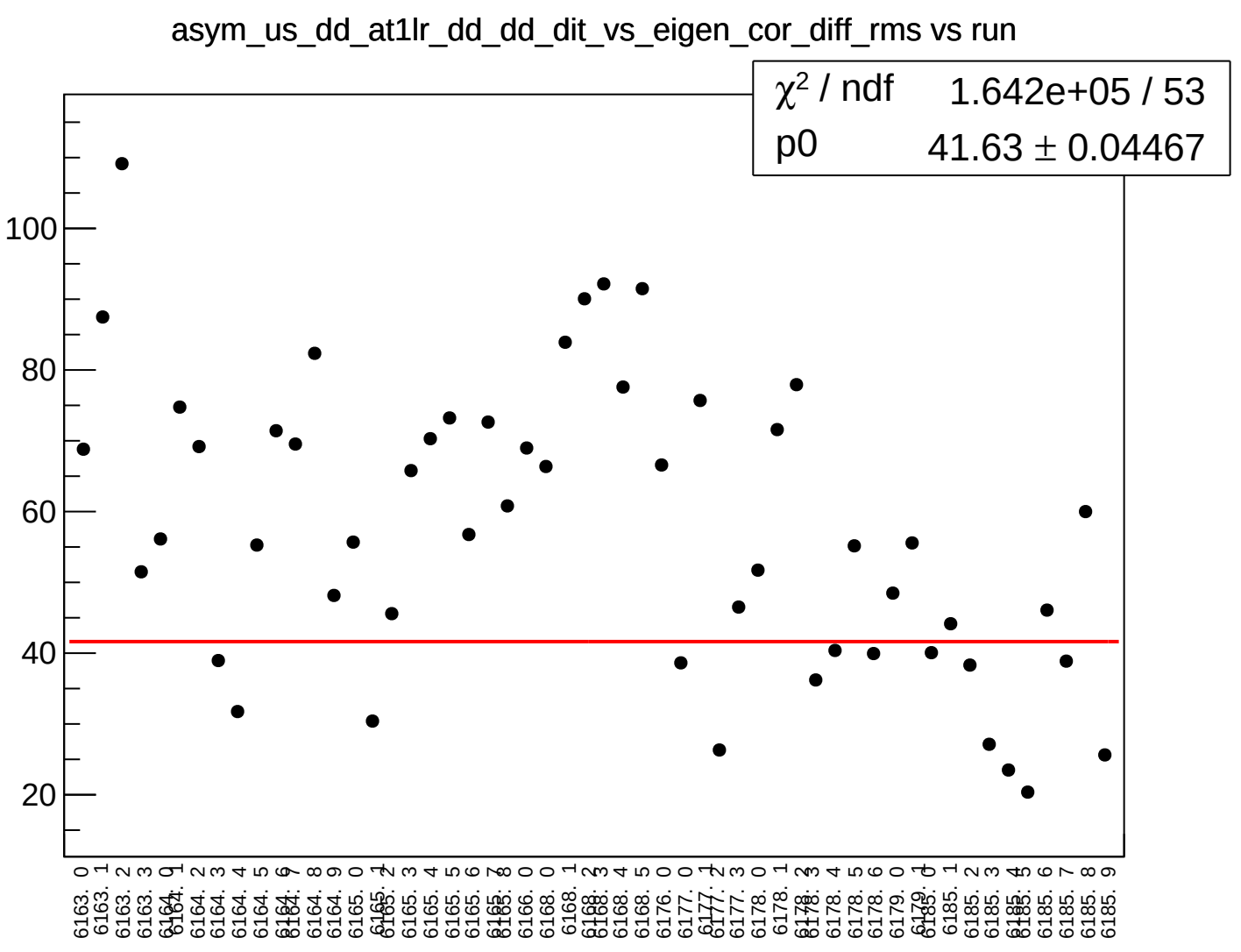

asym_us_dd_at1lr_dd_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 8.489e+05 / 53
p0 4.323e−11 ± 1.007e−13
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

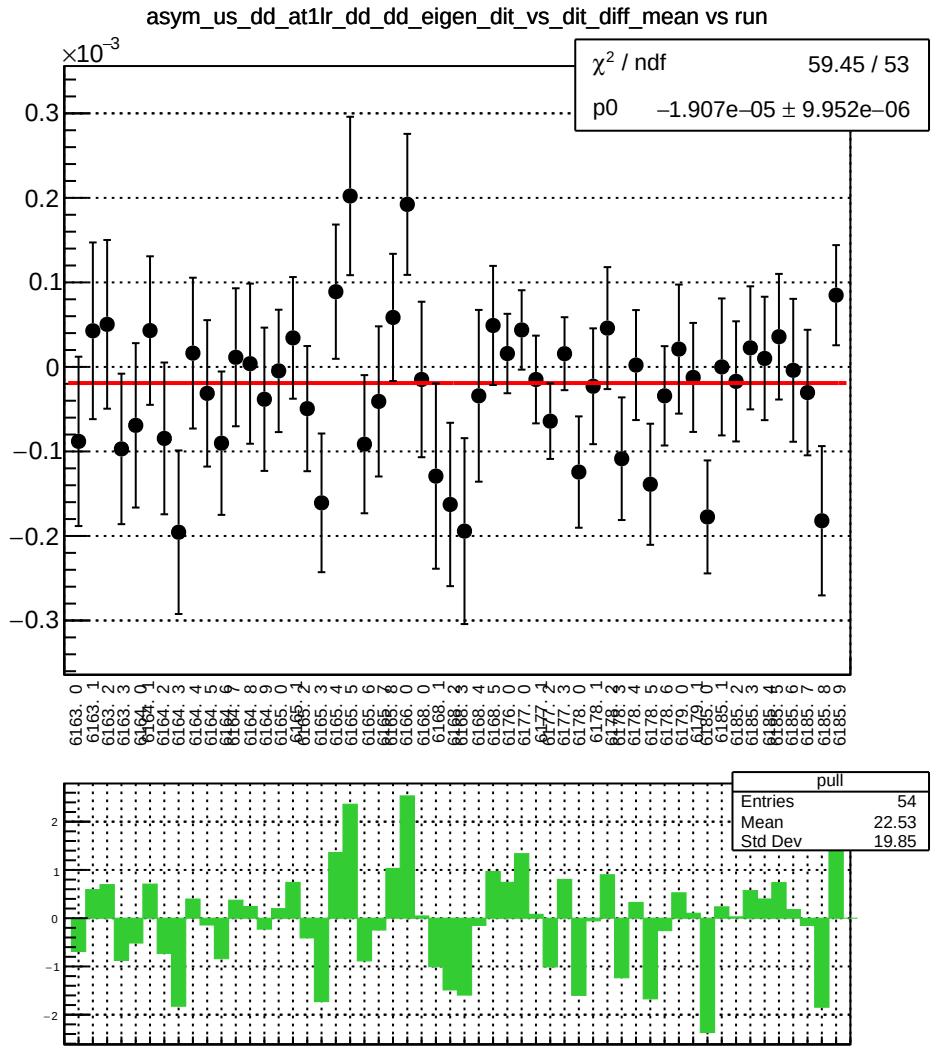

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 43.76 / 53
p0 0.07897 ± 0.06317
pull
Entries 54
Mean −170.7
Std Dev 0

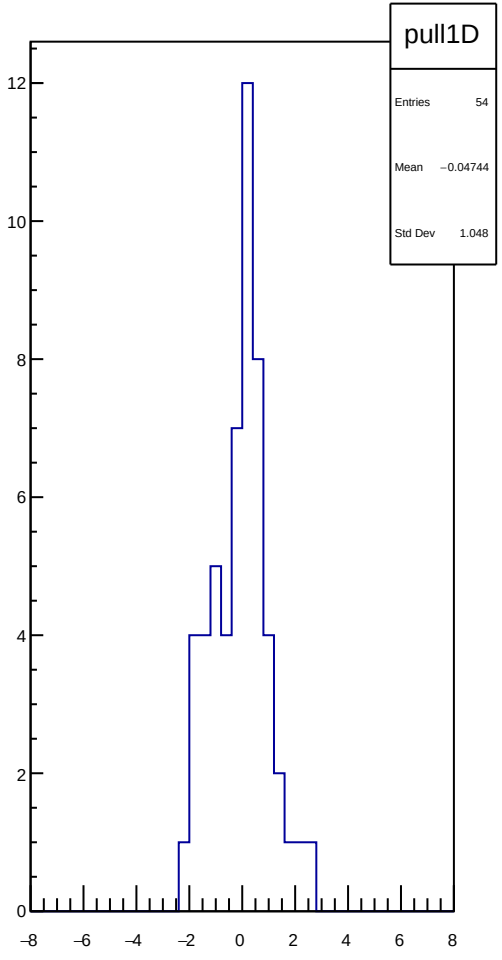

pull1D
Entries 54
Mean −0.004903
Std Dev 0.9002

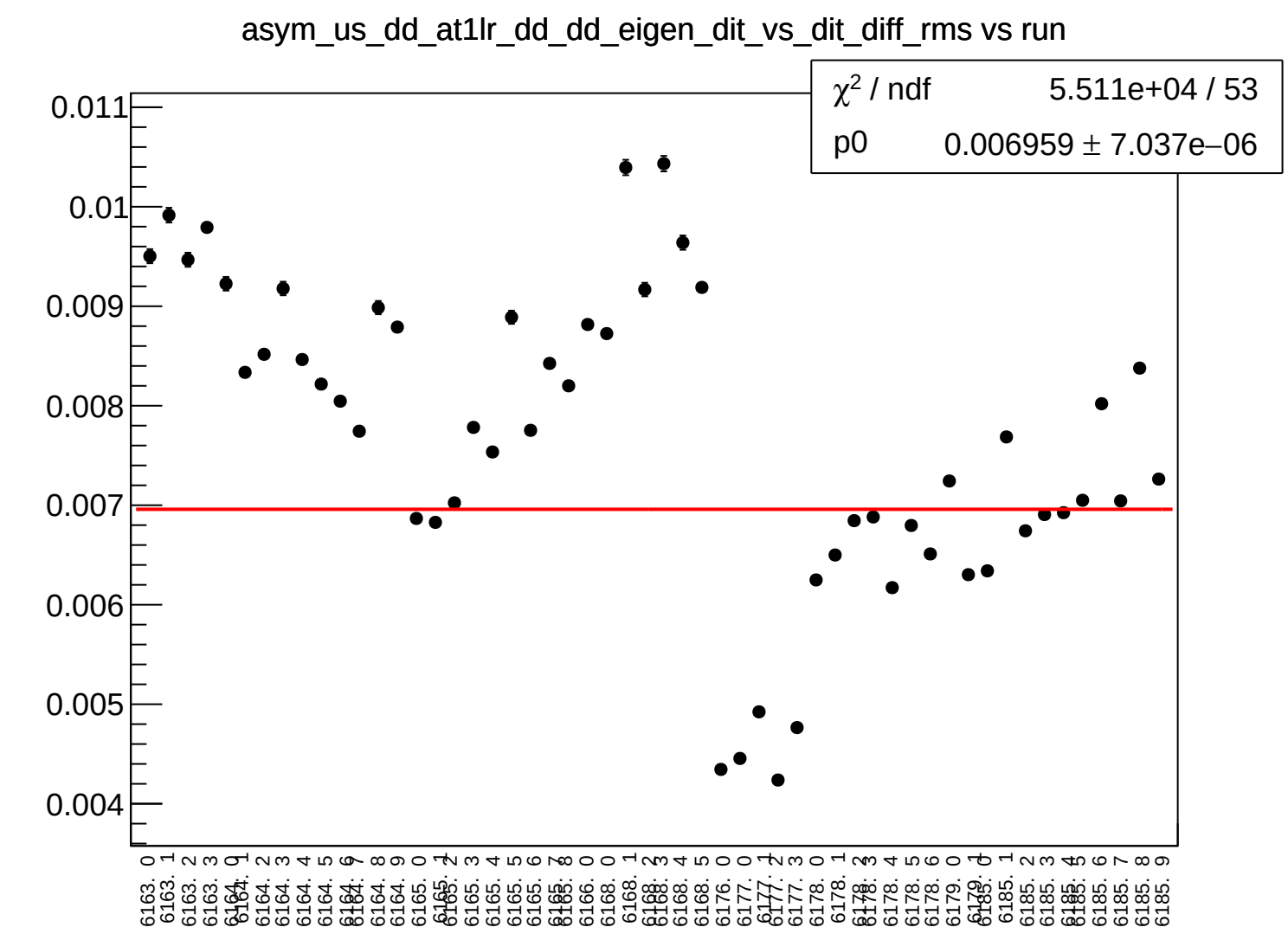

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.642e+05 / 53
p0 41.63 ± 0.04467
100
80
60
40
20
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 2
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

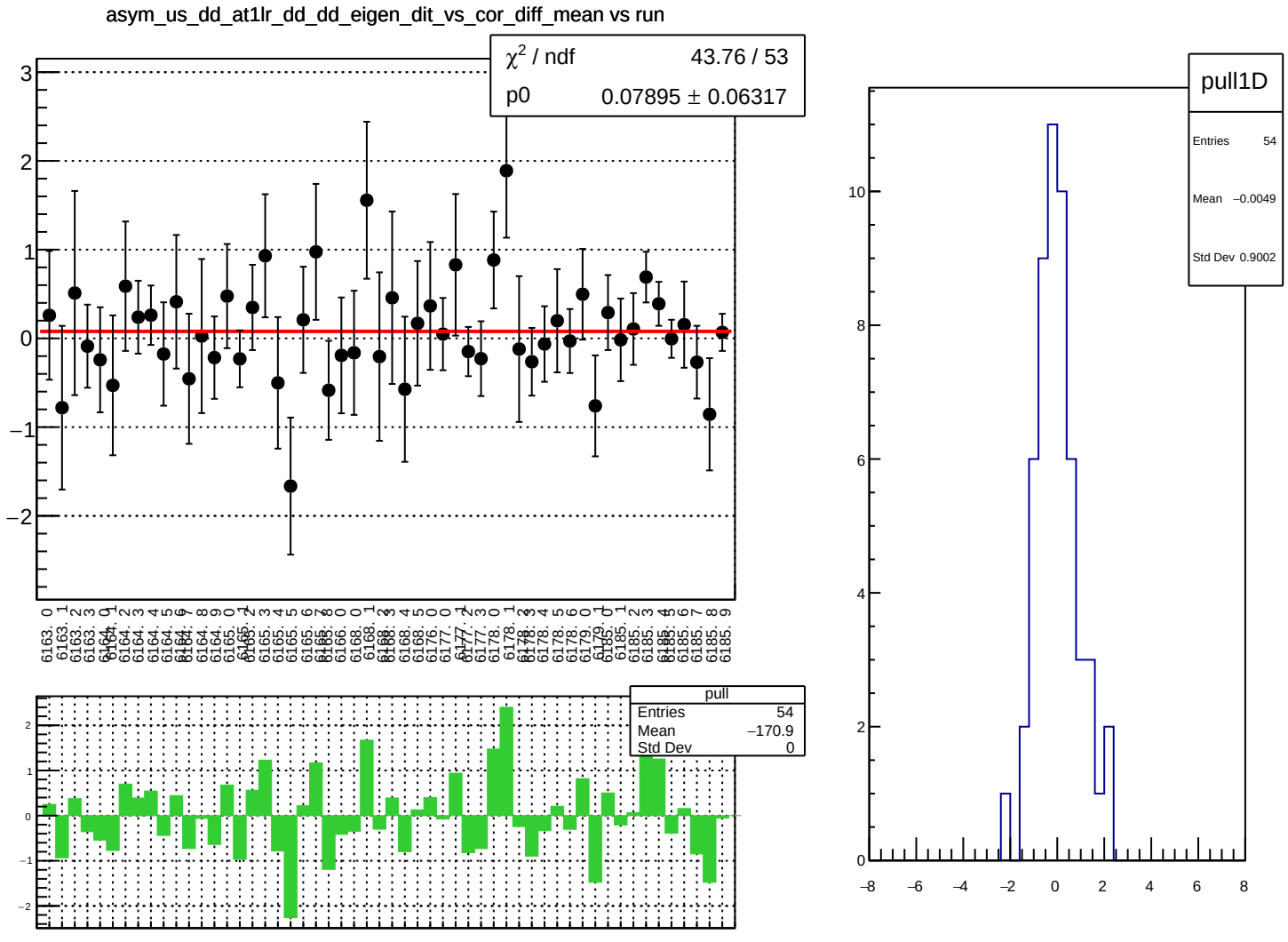

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 43.76 / 53
p0 0.07897 ± 0.06317
pull
Entries 54
Mean −170.7
Std Dev 0
pull1D
Entries 54
Mean −0.004903
Std Dev 0.9002

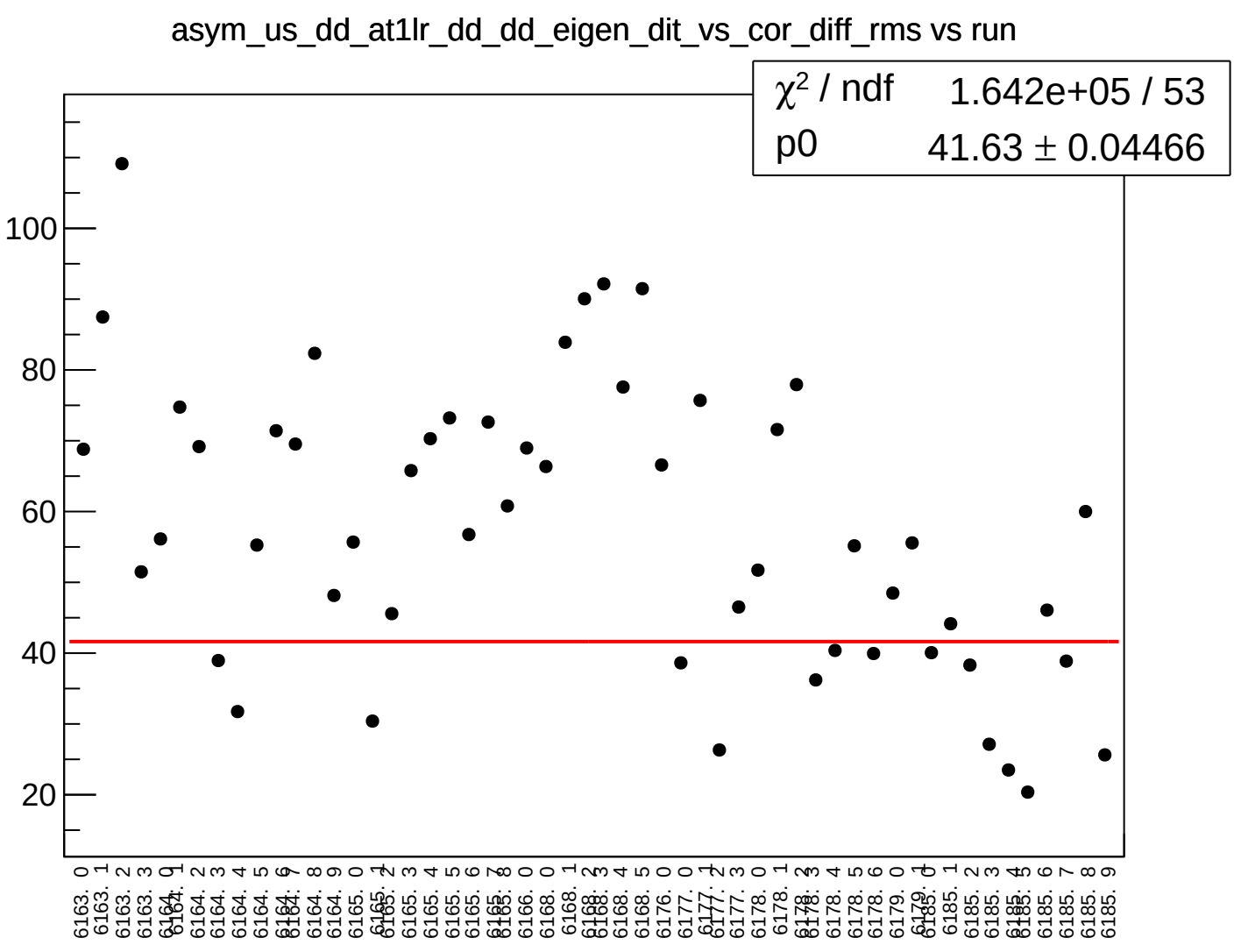

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.642e+05 / 53
p0 41.63 ± 0.04467
100
80
60
40
20
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

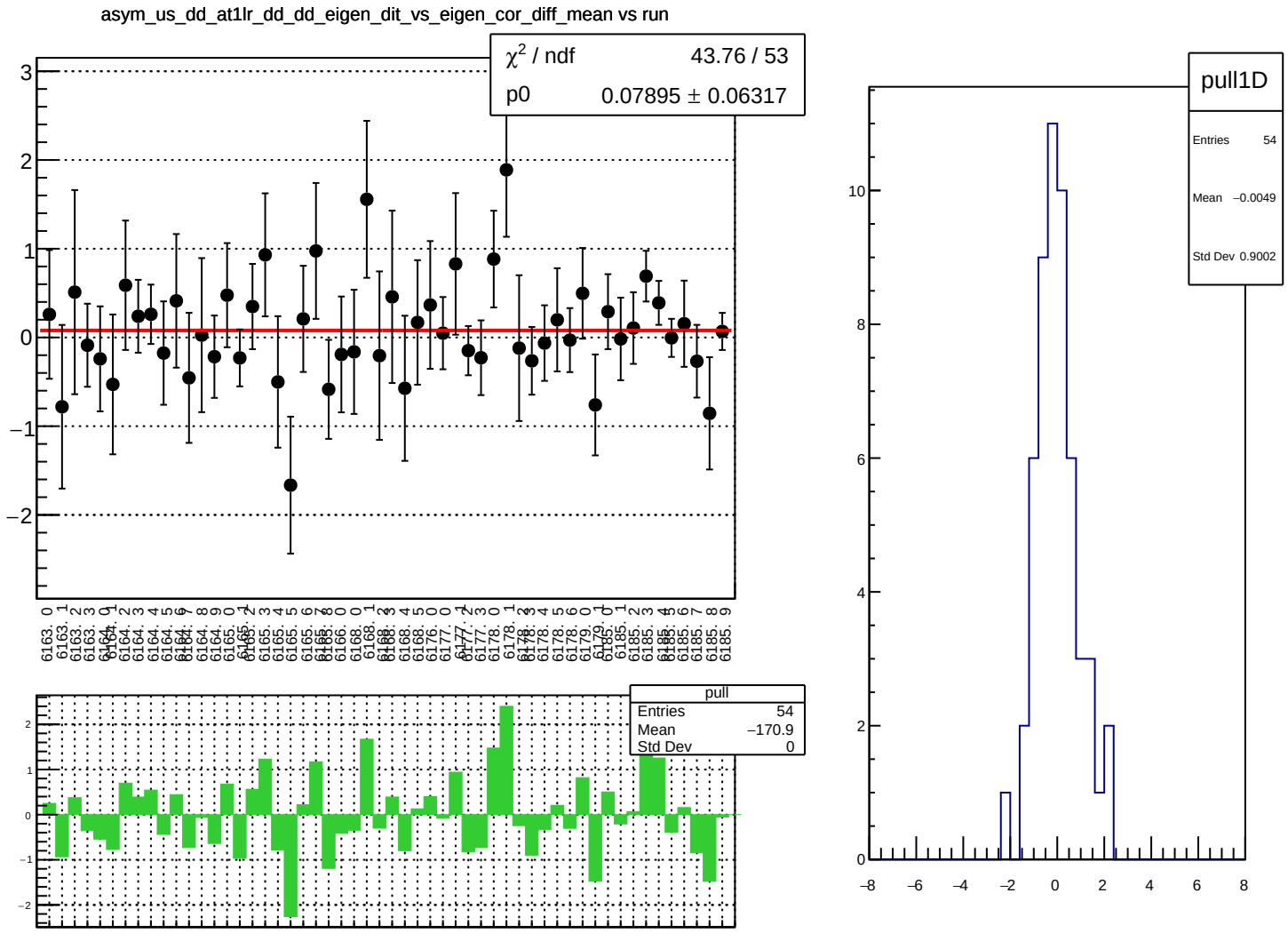

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 59.45 / 53
p0 −1.907e−05 ± 9.952e−06
pull
Entries 54
Mean 22.53
Std Dev 19.85

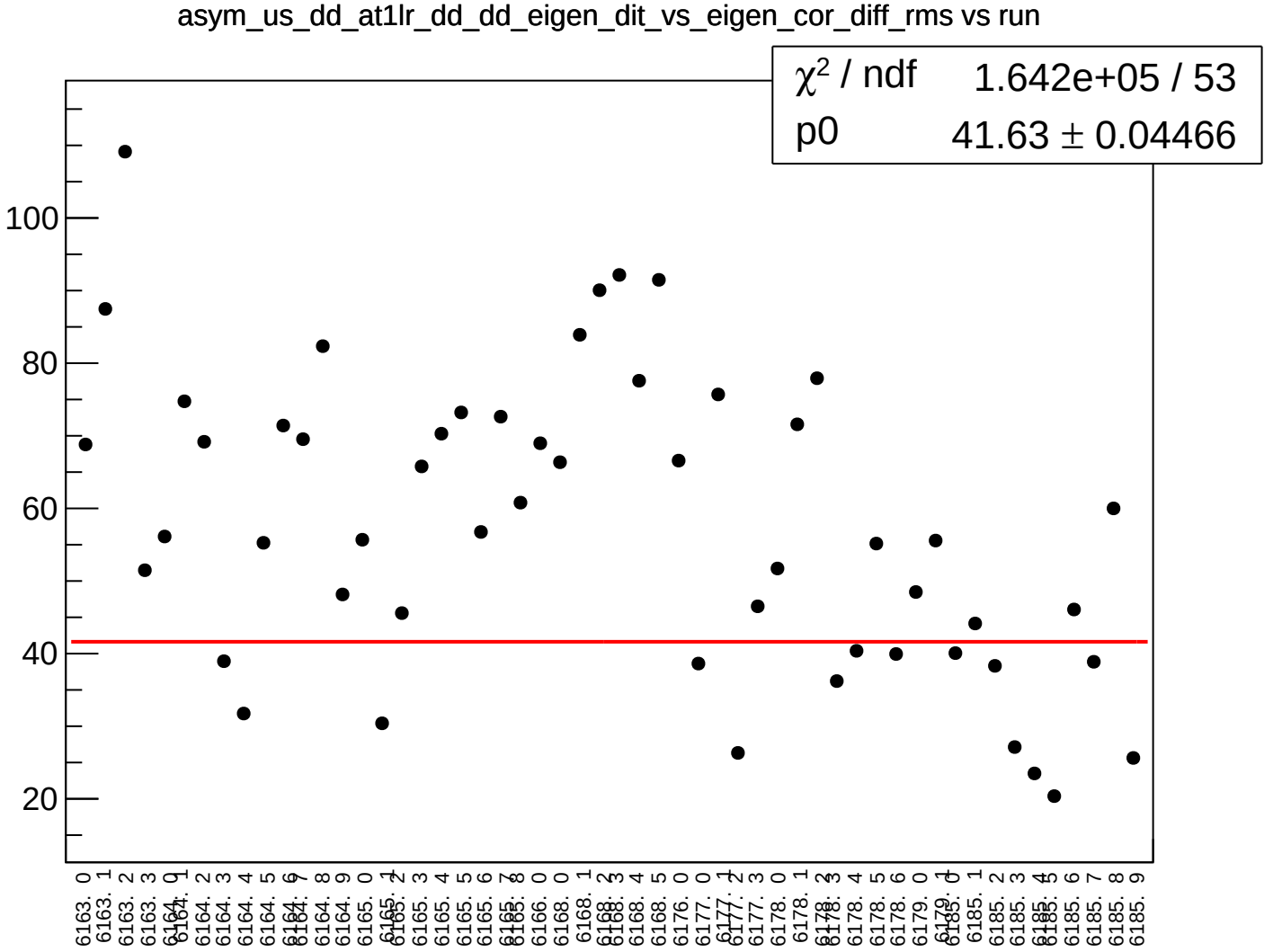

pull1D
Entries 54
Mean −0.04744
Std Dev 1.048

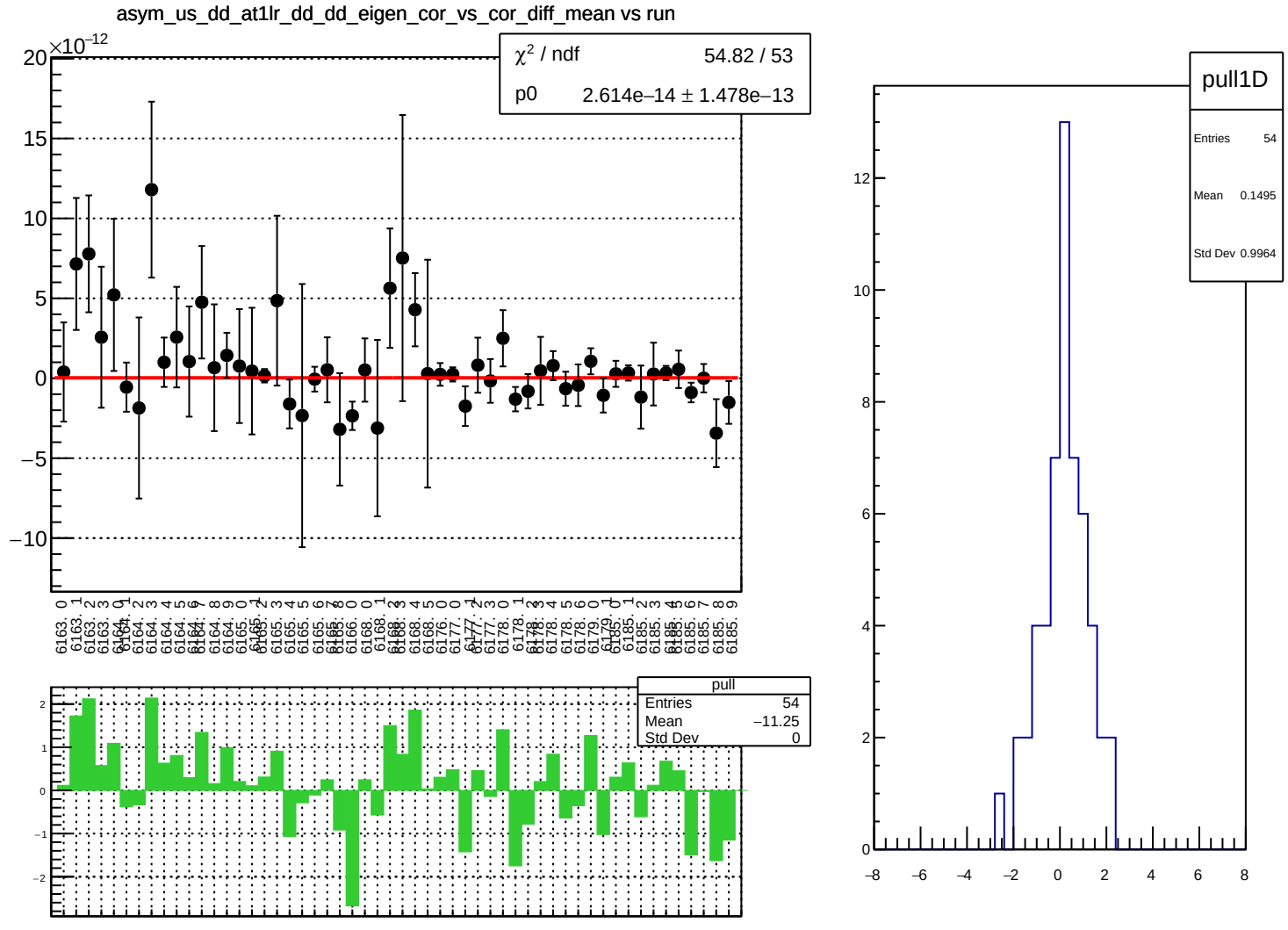

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5.511e+04 / 53
p0 0.006959 ± 7.037e−06
0.011
0.01
0.009
0.008
0.007
0.006
0.005
0.004
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

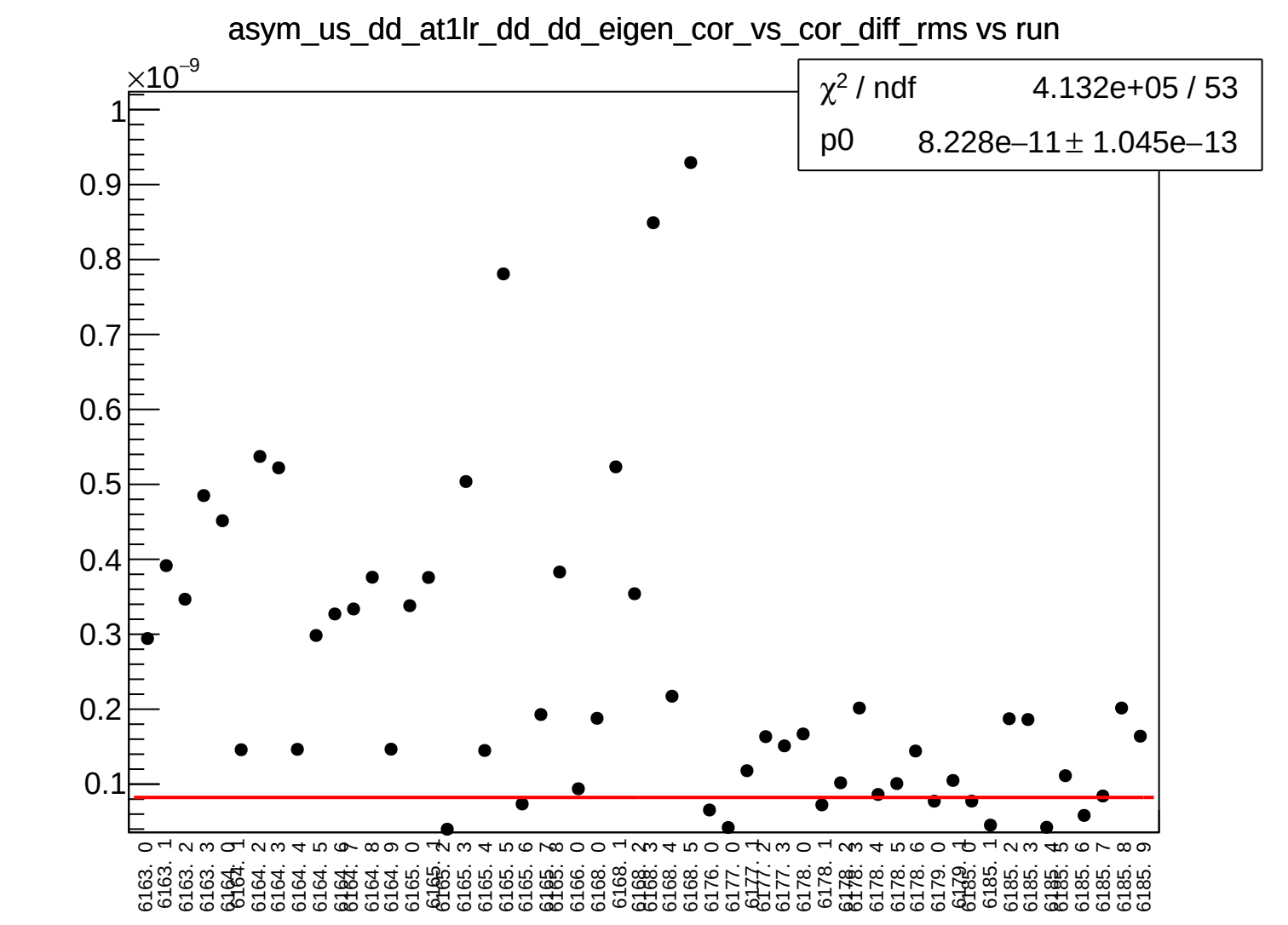

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 43.76 / 53
p0 0.07895 ± 0.06317
pull
Entries 54
Mean −170.9
Std Dev 0
pull1D
Entries 54
Mean −0.0049
Std Dev 0.9002

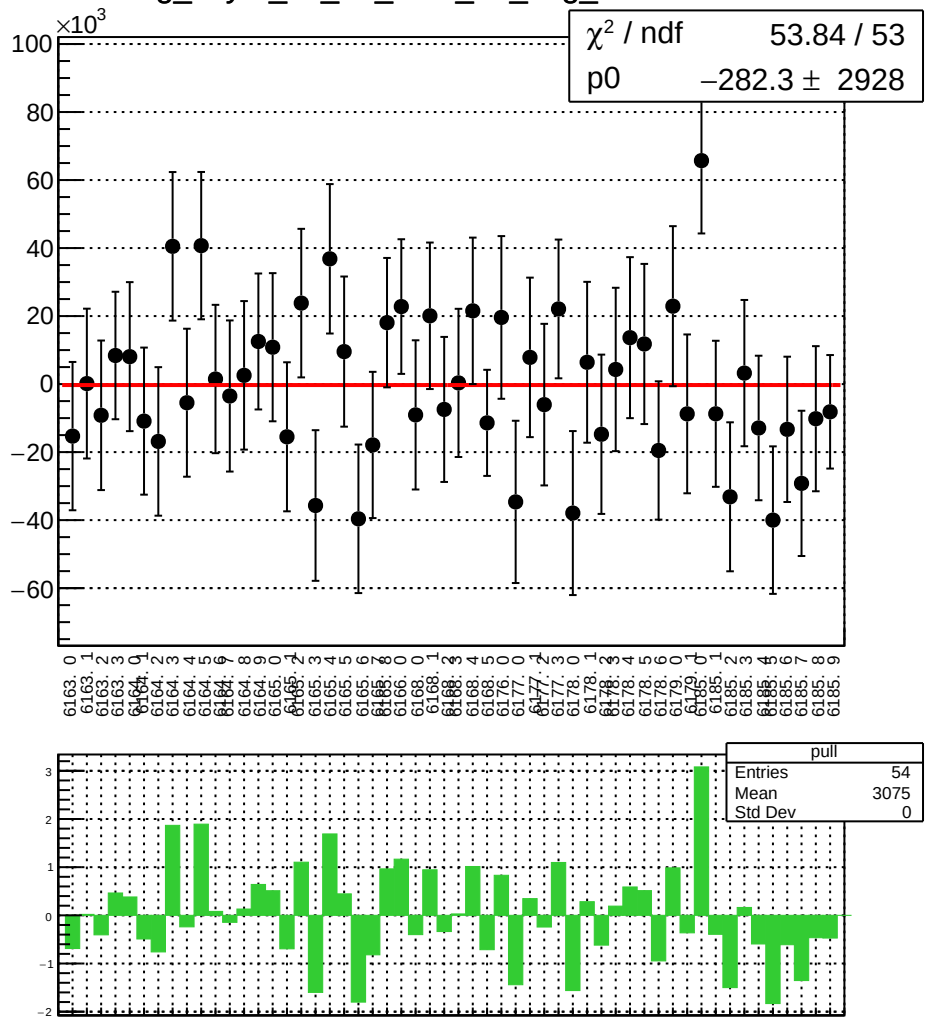

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.642e+05 / 53
p0 41.63 ± 0.04466
100
80
60
40
20
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

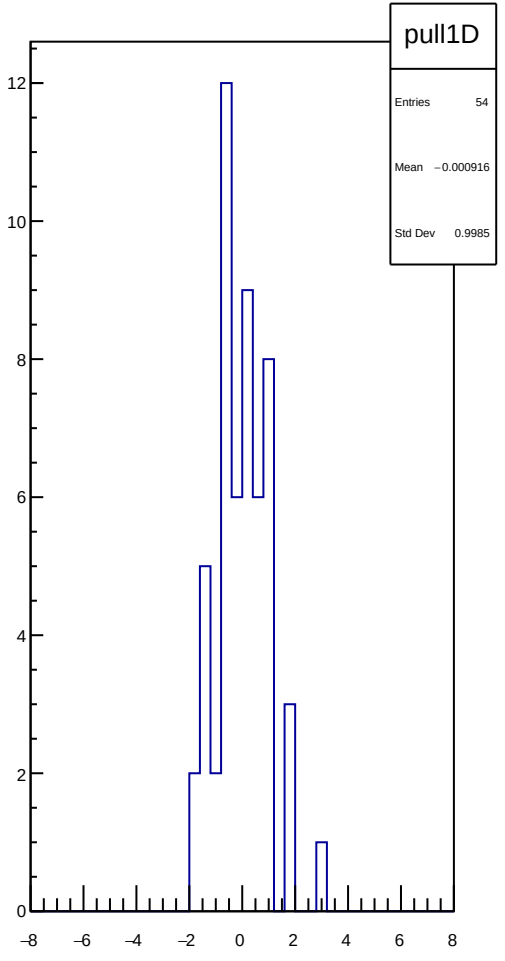

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 43.76 / 53
p0 0.07895 ± 0.06317
pull
Entries 54
Mean −170.9
Std Dev 0
pull1D
Entries 54
Mean −0.0049
Std Dev 0.9002

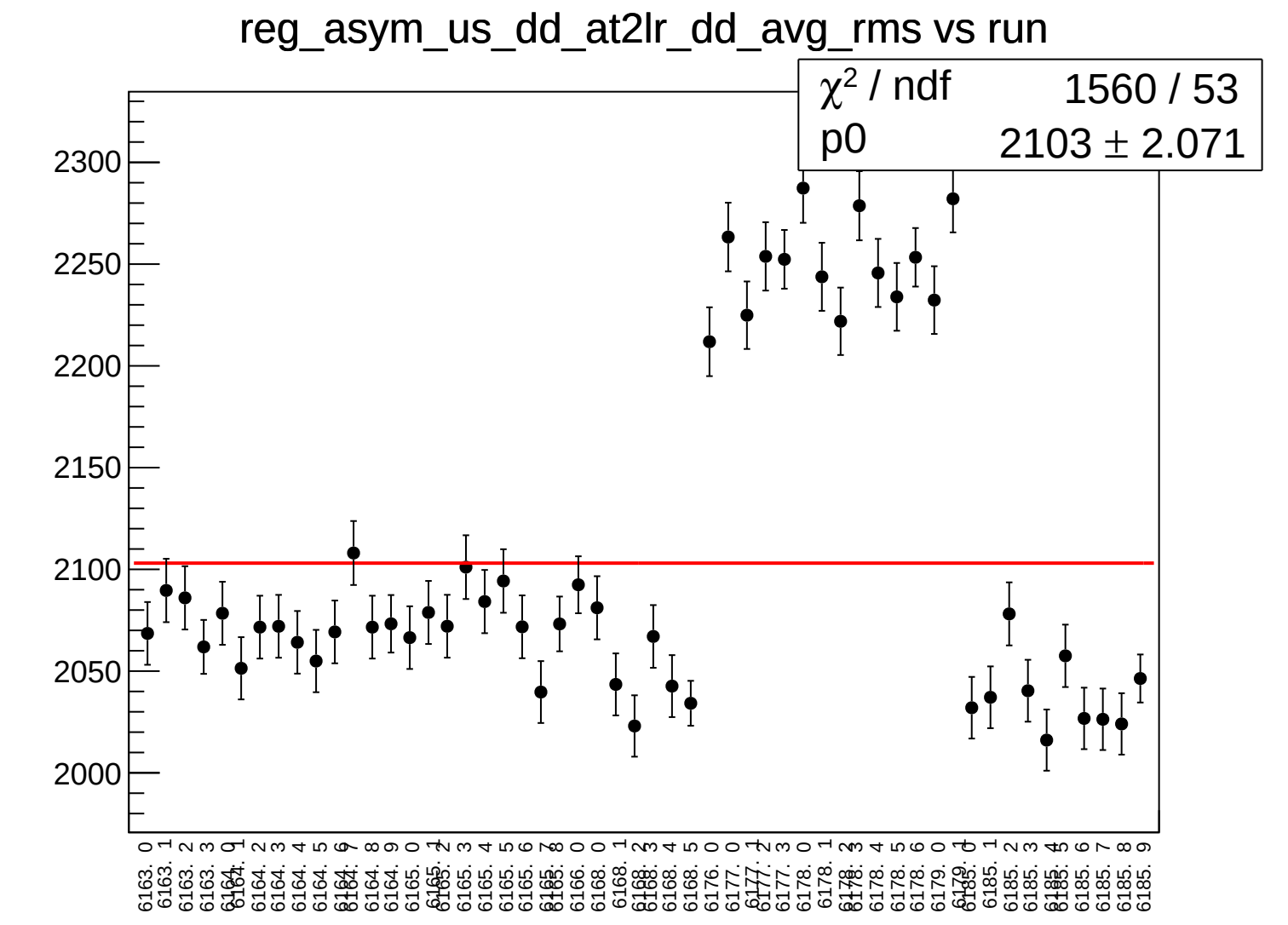

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.642e+05 / 53
p0 41.63 ± 0.04466
100
80
60
40
20
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

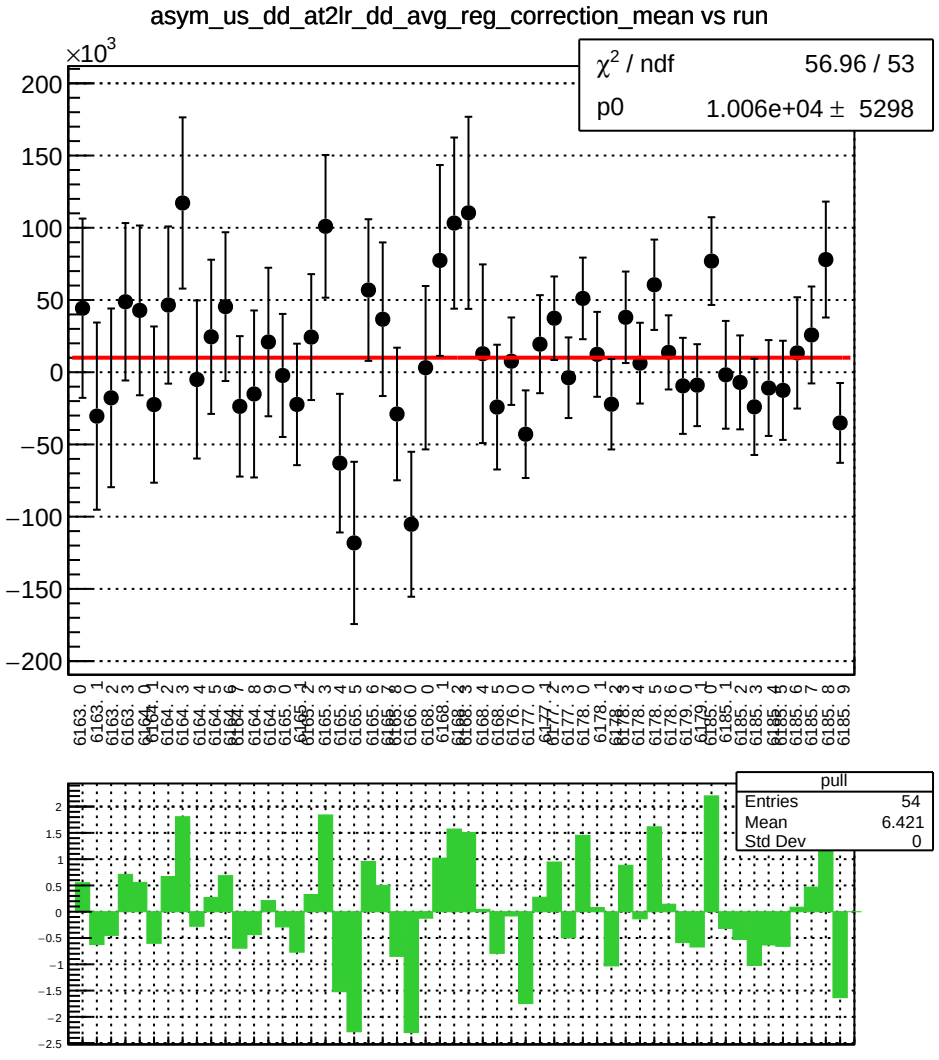

asym_us_dd_at1lr_dd_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 54.82 / 53
p0 2.614e−14 ± 1.478e−13
pull
Entries 54
Mean −11.25
Std Dev 0
pull1D
Entries 54
Mean 0.1495
Std Dev 0.9964

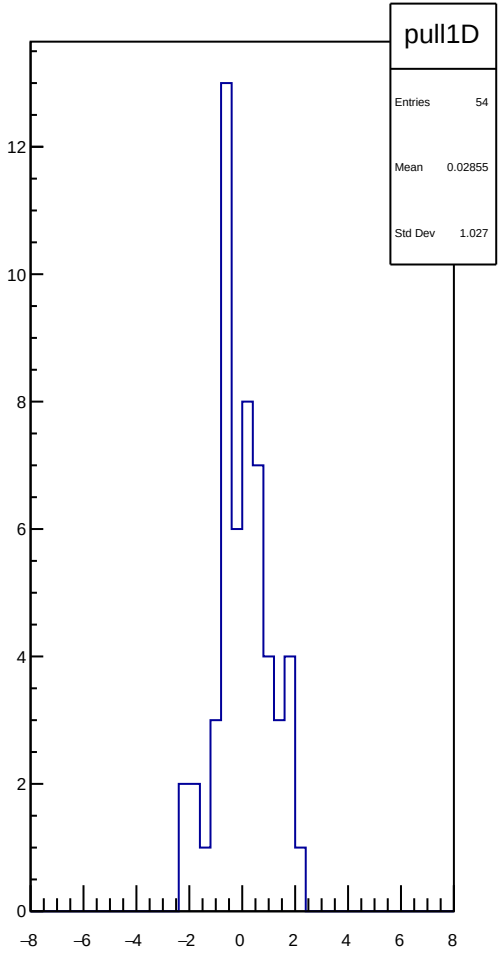

asym_us_dd_at1lr_dd_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.132e+05 / 53
p0 8.228e−11 ± 1.045e−13
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

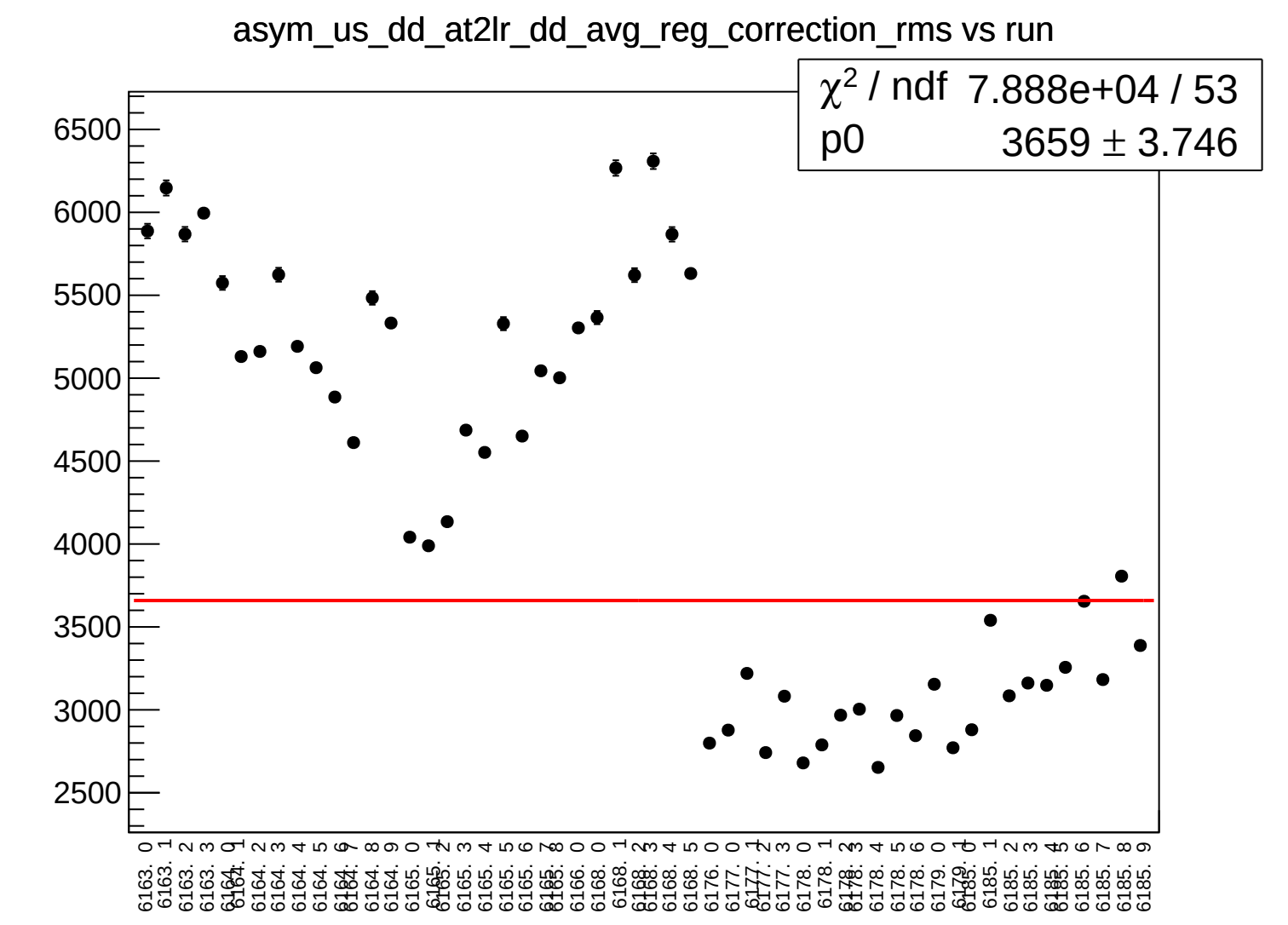

reg_asym_us_dd_at2lr_dd_avg_mean vs run
×10^3
χ² / ndf 53.84 / 53
p0 −282.3 ± 2928
pull
Entries 54
Mean 3075
Std Dev 0


pull1D
Entries 54
Mean −0.000916
Std Dev 0.9985


reg_asym_us_dd_at2lr_dd_avg_rms vs run
χ² / ndf 1560 / 53
p0 2103 ± 2.071
2300
2250
2200
2150
2100
2050
2000
6163. 0
6163. 1
6163. 2
6163. 3
6163. 9
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 6
6164. 7
6164. 8
6164. 9
6165. 0
6165. 1
6165. 2
6165. 3
6165. 4
6165. 5
6165. 6
6165. 7
6165. 8
6166. 0
6168. 0
6168. 1
6168. 2
6168. 3
6168. 4
6168. 5
6176. 0
6177. 0
6177. 1
6177. 2
6177. 3
6178. 0
6178. 1
6178. 2
6178. 3
6178. 4
6178. 5
6178. 6
6179. 0
6179. 1
6185. 0
6185. 1
6185. 2
6185. 3
6185. 4
6185. 5
6185. 6
6185. 7
6185. 8
6185. 9


asym_us_dd_at2lr_dd_avg_reg_correction_mean vs run
×10^3
χ² / ndf 56.96 / 53
p0 1.006e+04 ± 5298
pull
Entries 54
Mean 6.421
Std Dev 0


pull1D
Entries 54
Mean 0.02855
Std Dev 1.027


asym_us_dd_at2lr_dd_avg_reg_correction_rms vs run
χ² / ndf 7.888e+04 / 53
p0 3659 ± 3.746
6500
6000
5500
5000
4500
4000
3500
3000
2500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
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6185. 2
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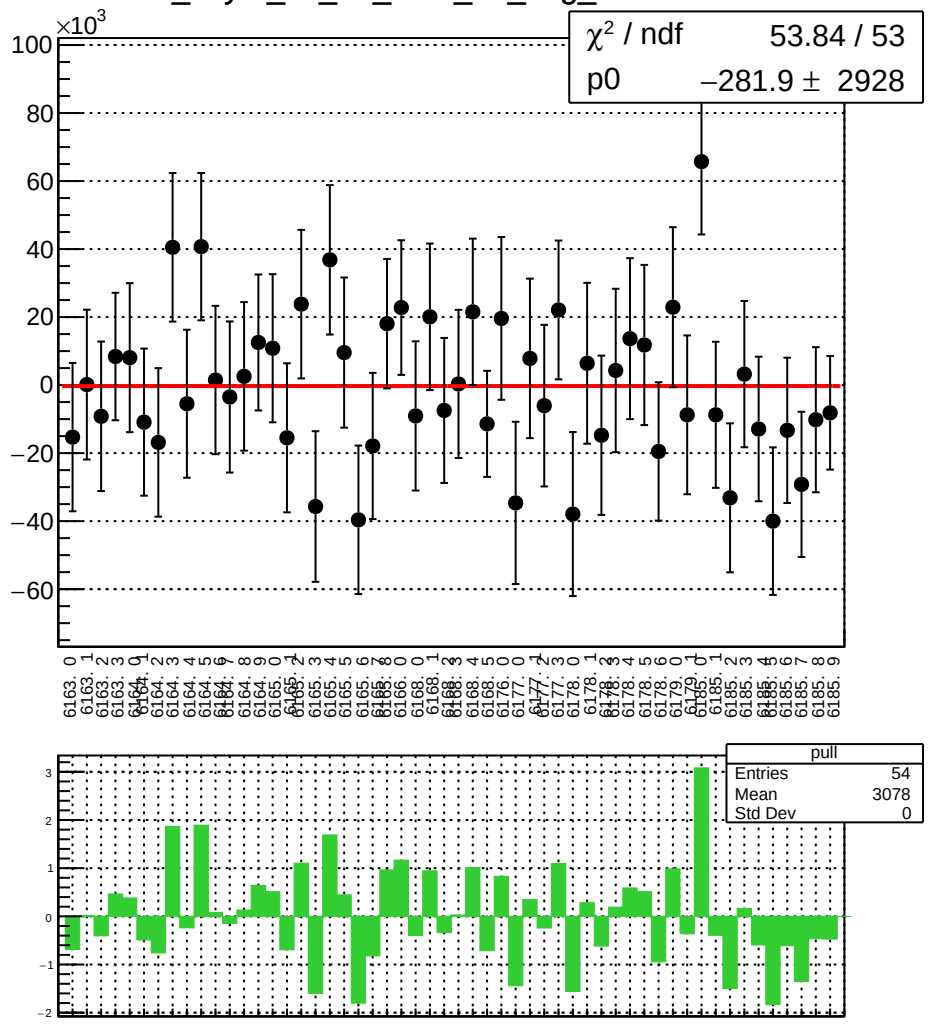
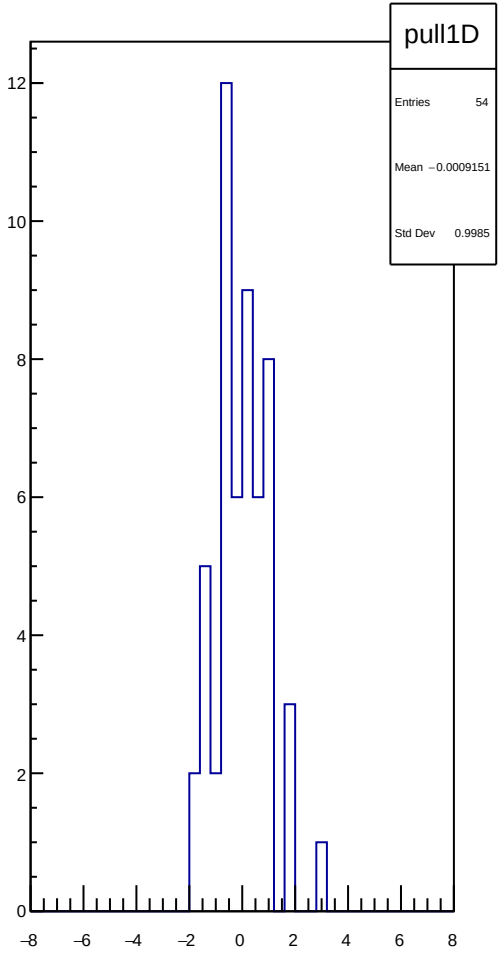
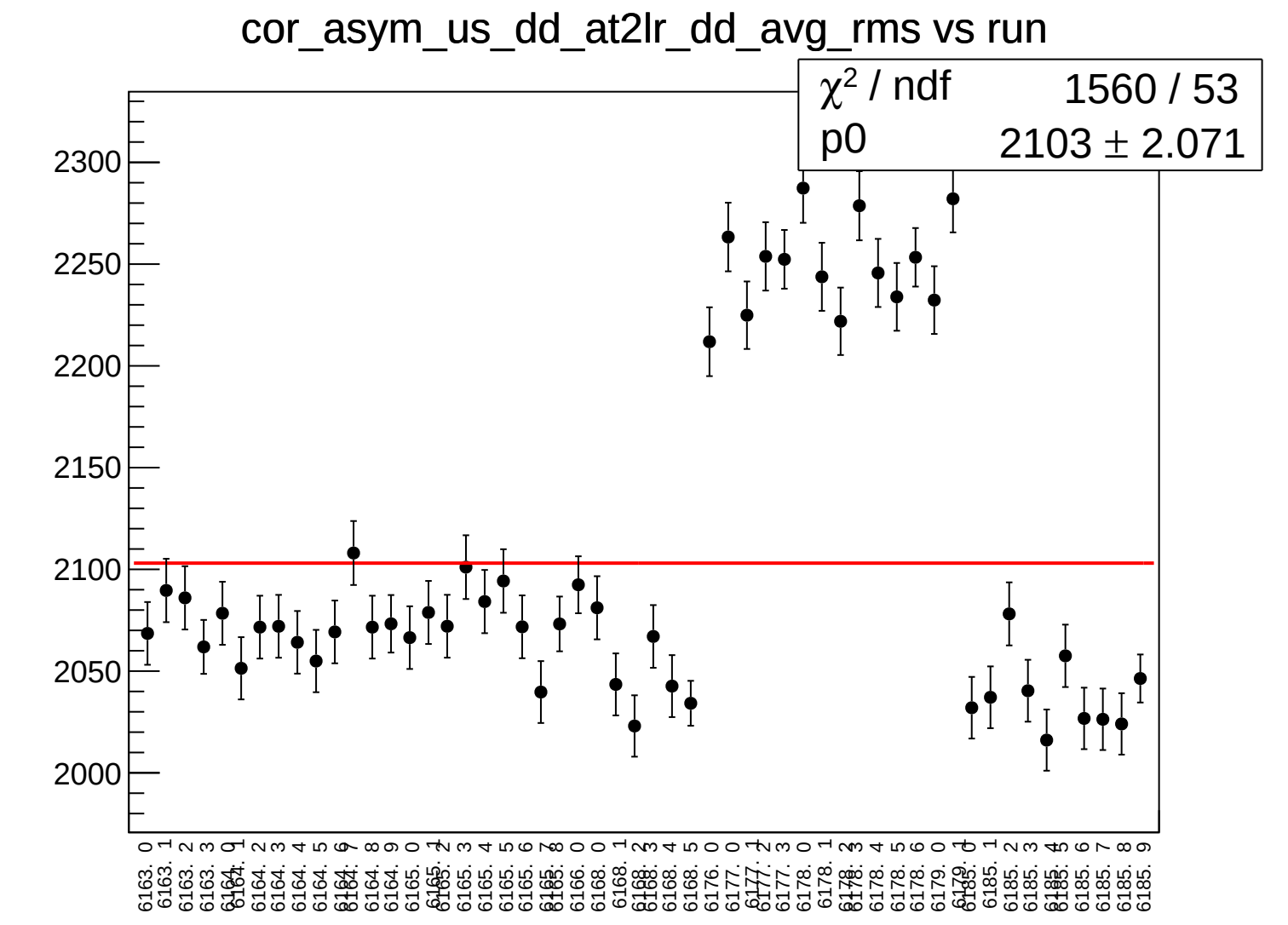
6185. 6
6185. 7
6185. 8
6185. 9


cor_asym_us_dd_at2lr_dd_avg_mean vs run
×10^3
χ² / ndf 53.84 / 53
p0 −281.9 ± 2928
pull
Entries 54
Mean 3078
Std Dev 0


pull1D
Entries 54
Mean −0.0009151
Std Dev 0.9985


cor_asym_us_dd_at2lr_dd_avg_rms vs run
χ² / ndf 1560 / 53
p0 2103 ± 2.071
2300
2250
2200
2150
2100
2050
2000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
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6179. 0
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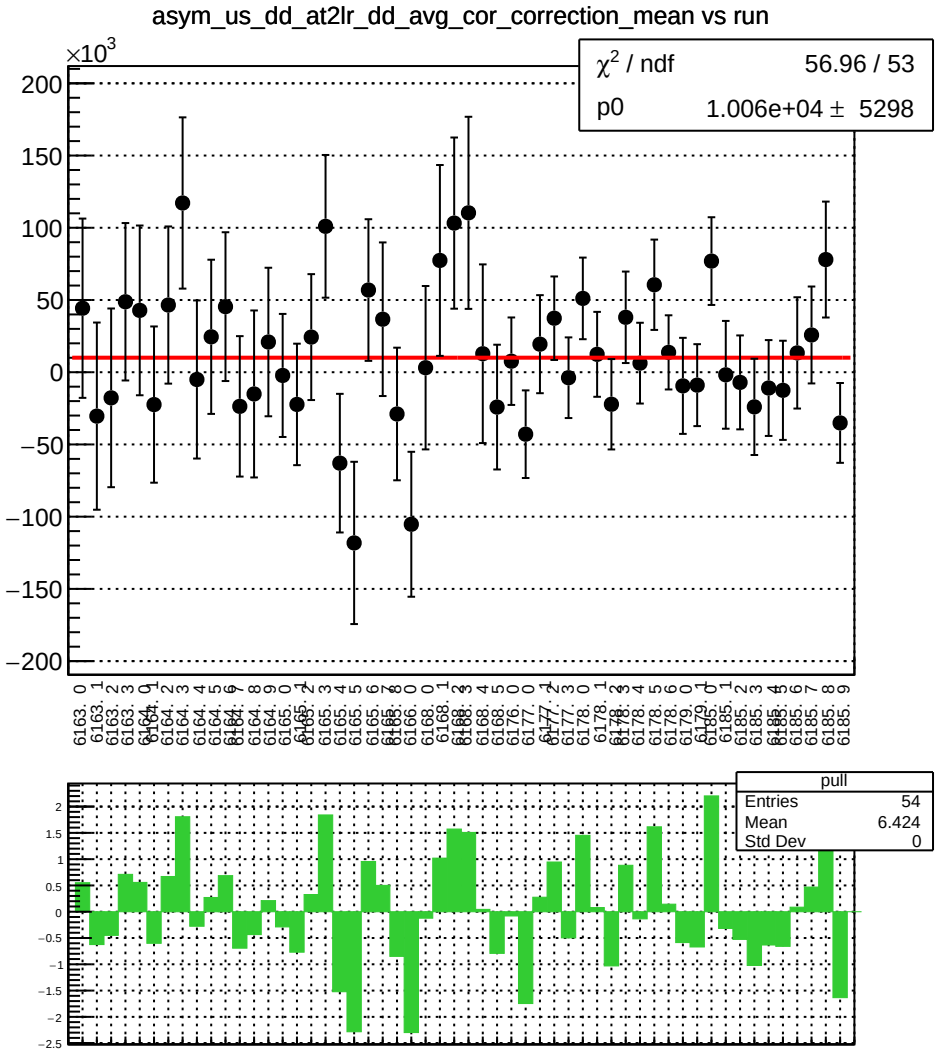
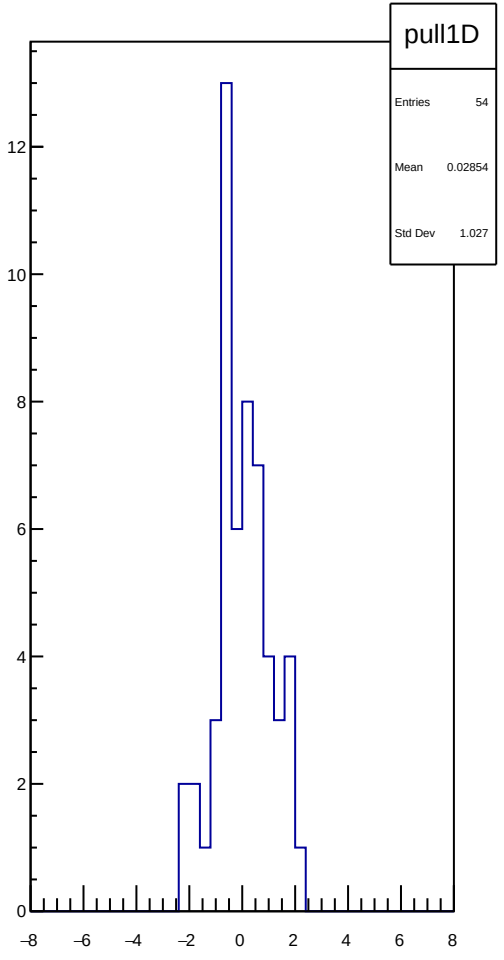
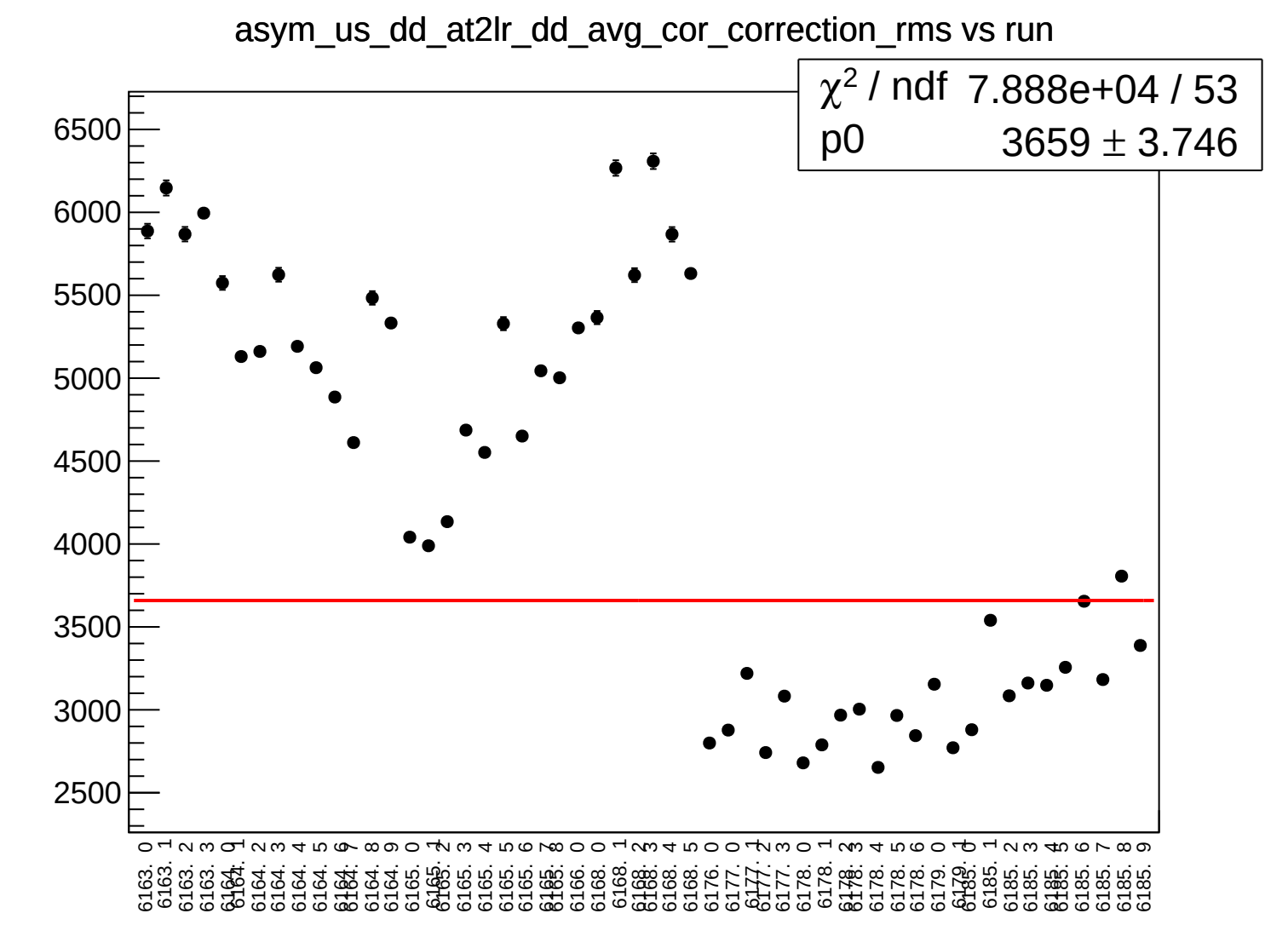
6185. 8
6185. 9


asym_us_dd_at2lr_dd_avg_cor_correction_mean vs run
×10^3
χ² / ndf 56.96 / 53
p0 1.006e+04 ± 5298
pull
Entries 54
Mean 6.424
Std Dev 0


pull1D
Entries 54
Mean 0.02854
Std Dev 1.027


asym_us_dd_at2lr_dd_avg_cor_correction_rms vs run
χ² / ndf 7.888e+04 / 53
p0 3659 ± 3.746
6500
6000
5500
5000
4500
4000
3500
3000
2500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
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6185. 3
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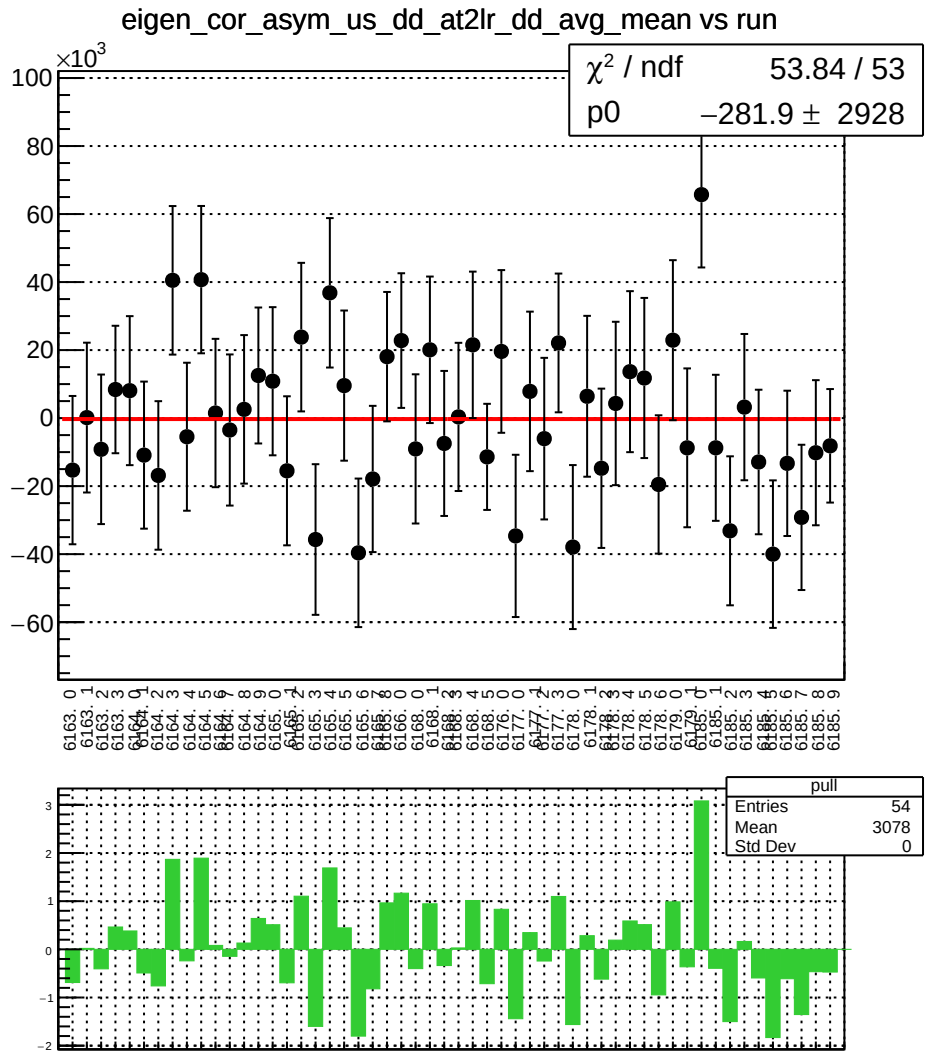
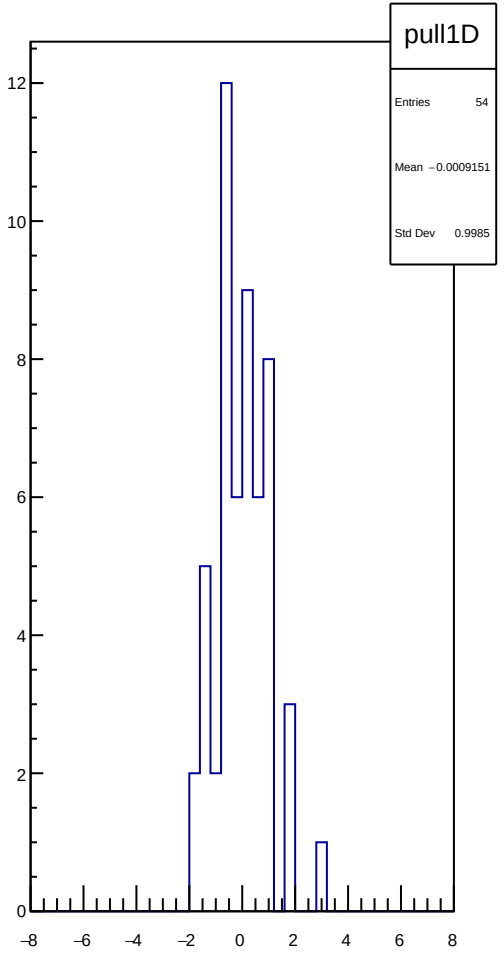
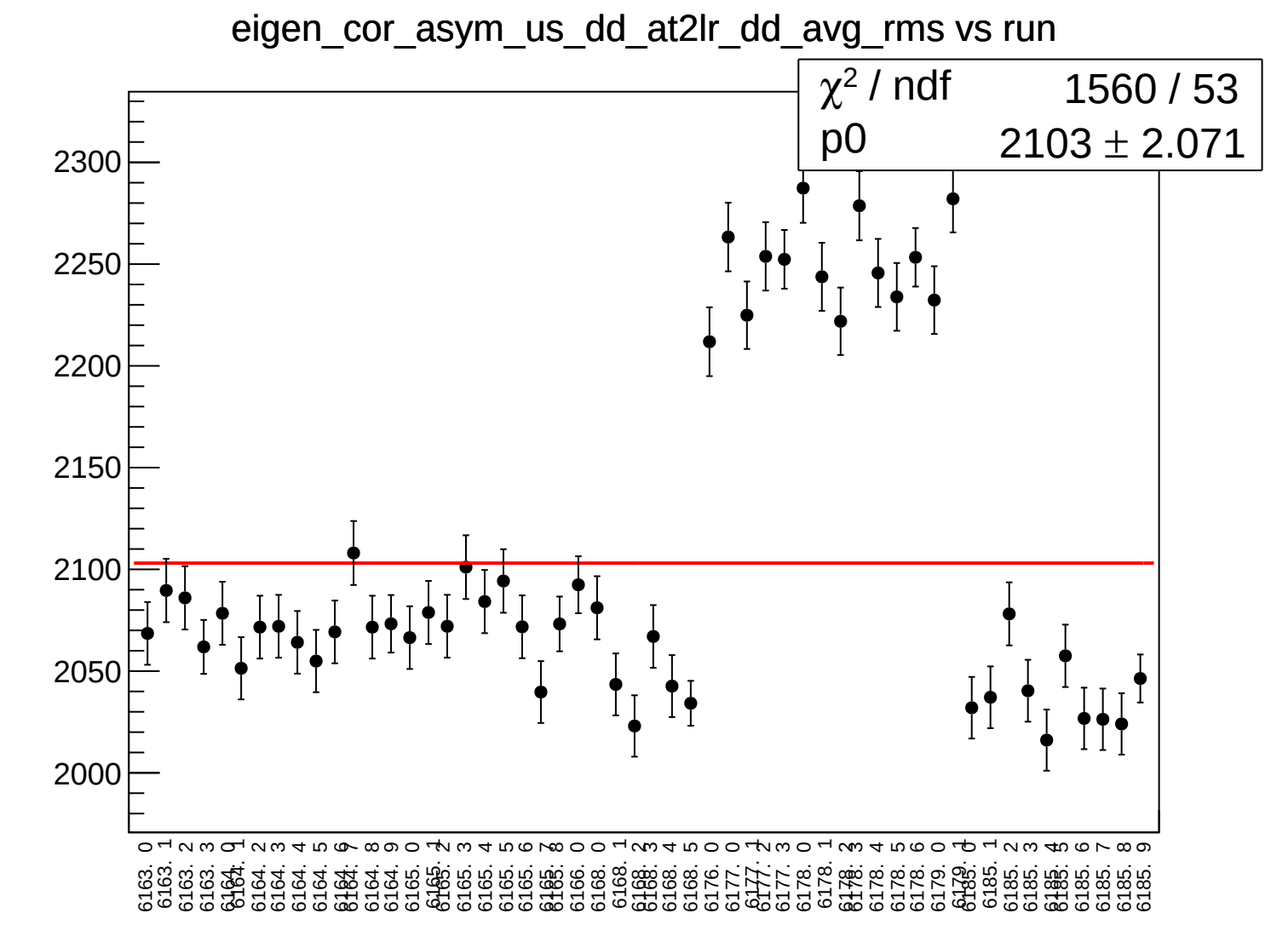
6185. 8
6185. 9


eigen_cor_asym_us_dd_at2lr_dd_avg_mean vs run
×10^3
χ² / ndf 53.84 / 53
p0 −281.9 ± 2928
pull
Entries 54
Mean 3078
Std Dev 0


pull1D
Entries 54
Mean −0.0009151
Std Dev 0.9985


eigen_cor_asym_us_dd_at2lr_dd_avg_rms vs run
χ² / ndf 1560 / 53
p0 2103 ± 2.071
2300
2250
2200
2150
2100
2050
2000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
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6179. 0
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6185. 3
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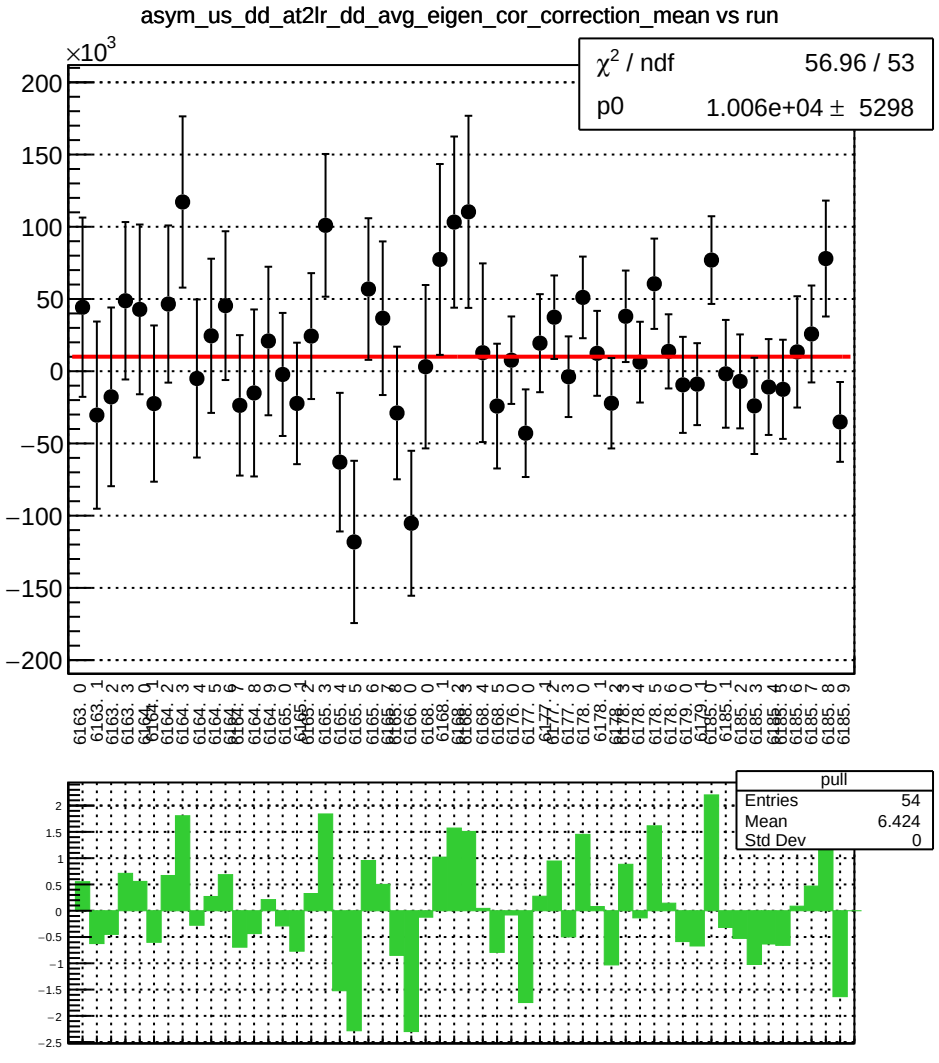
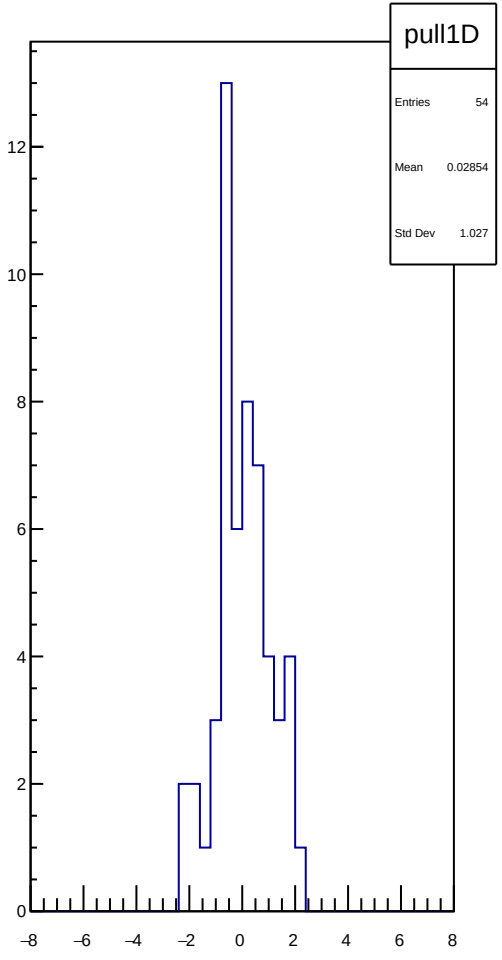
6185. 8
6185. 9


asym_us_dd_at2lr_dd_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 56.96 / 53
p0 1.006e+04 ± 5298
pull
Entries 54
Mean 6.424
Std Dev 0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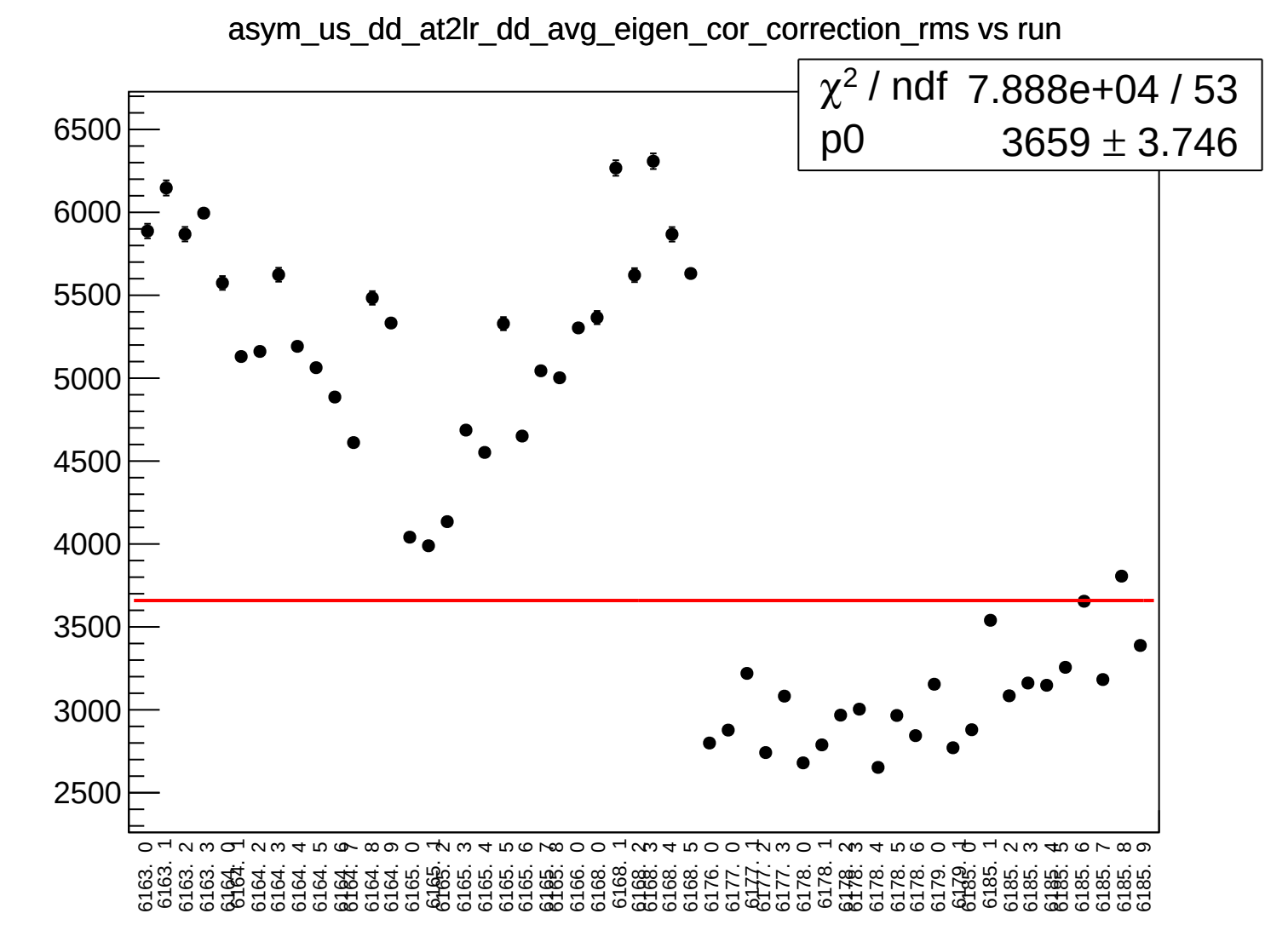
Entries 54
Mean 0.02854
Std Dev 1.027


asym_us_dd_at2lr_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 7.888e+04 / 53
p0 3659 ± 3.746
6500
6000
5500
5000
4500
4000
3500
3000
2500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
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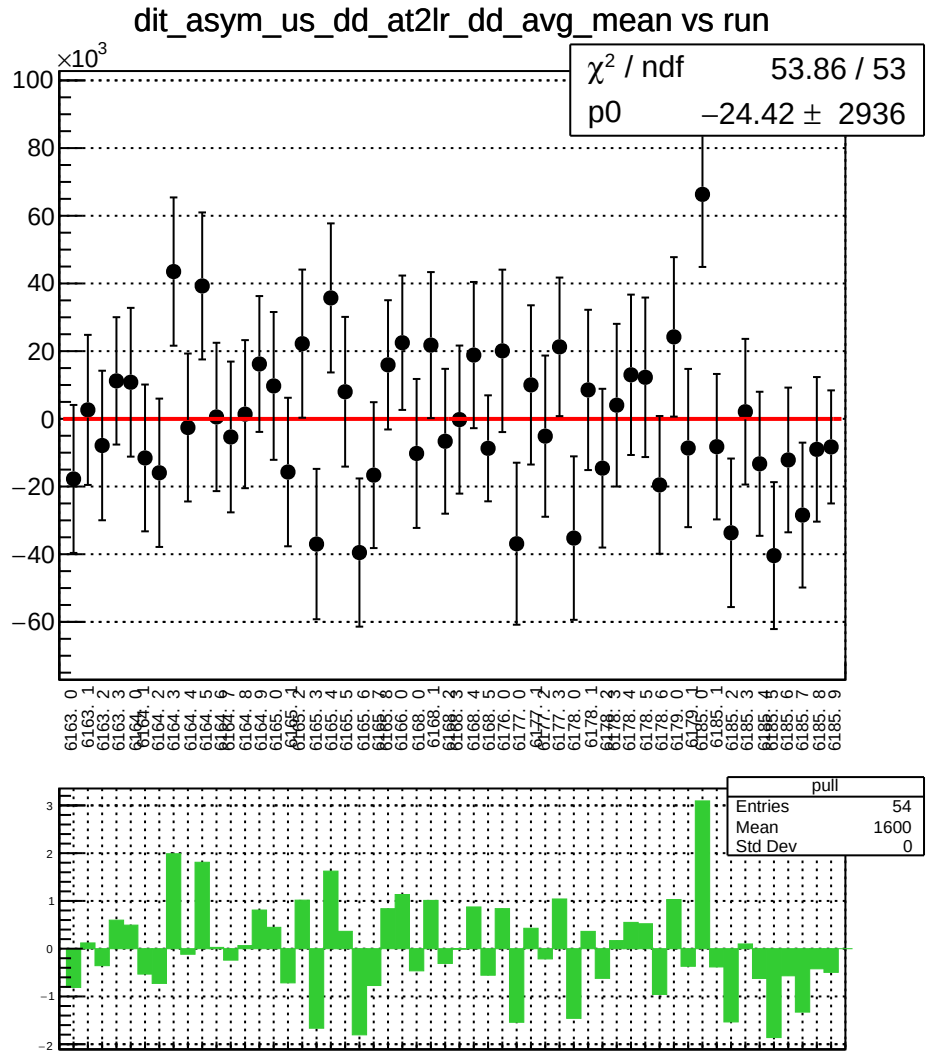
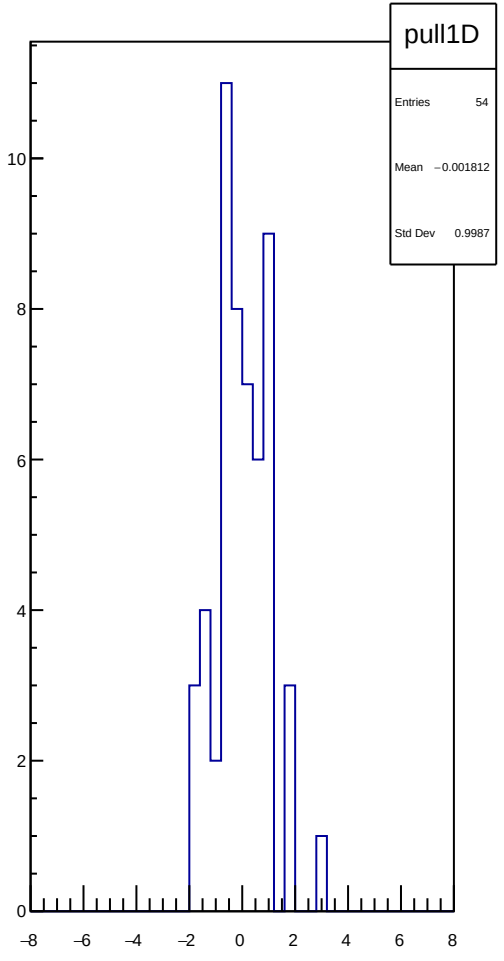
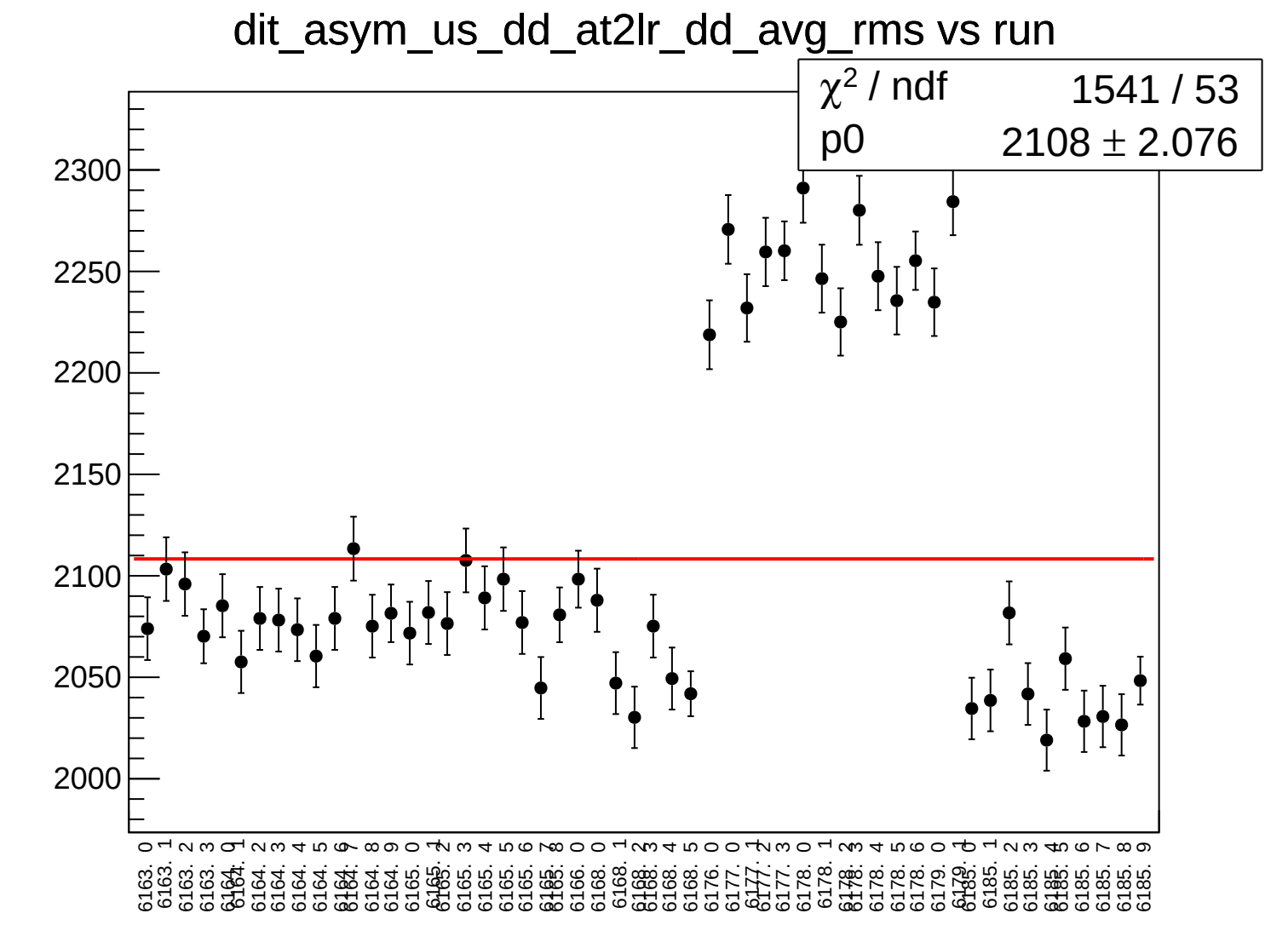
6185. 8
6185. 9


dit_asym_us_dd_at2lr_dd_avg_mean vs run
×10^3
χ² / ndf 53.86 / 53
p0 −24.42 ± 2936
pull
Entries 54
Mean 1600
Std Dev 0


pull1D
Entries 54
Mean −0.001812
Std Dev 0.9987


dit_asym_us_dd_at2lr_dd_avg_rms vs run
χ² / ndf 1541 / 53
p0 2108 ± 2.076
2300
2250
2200
2150
2100
2050
2000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
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6179. 0
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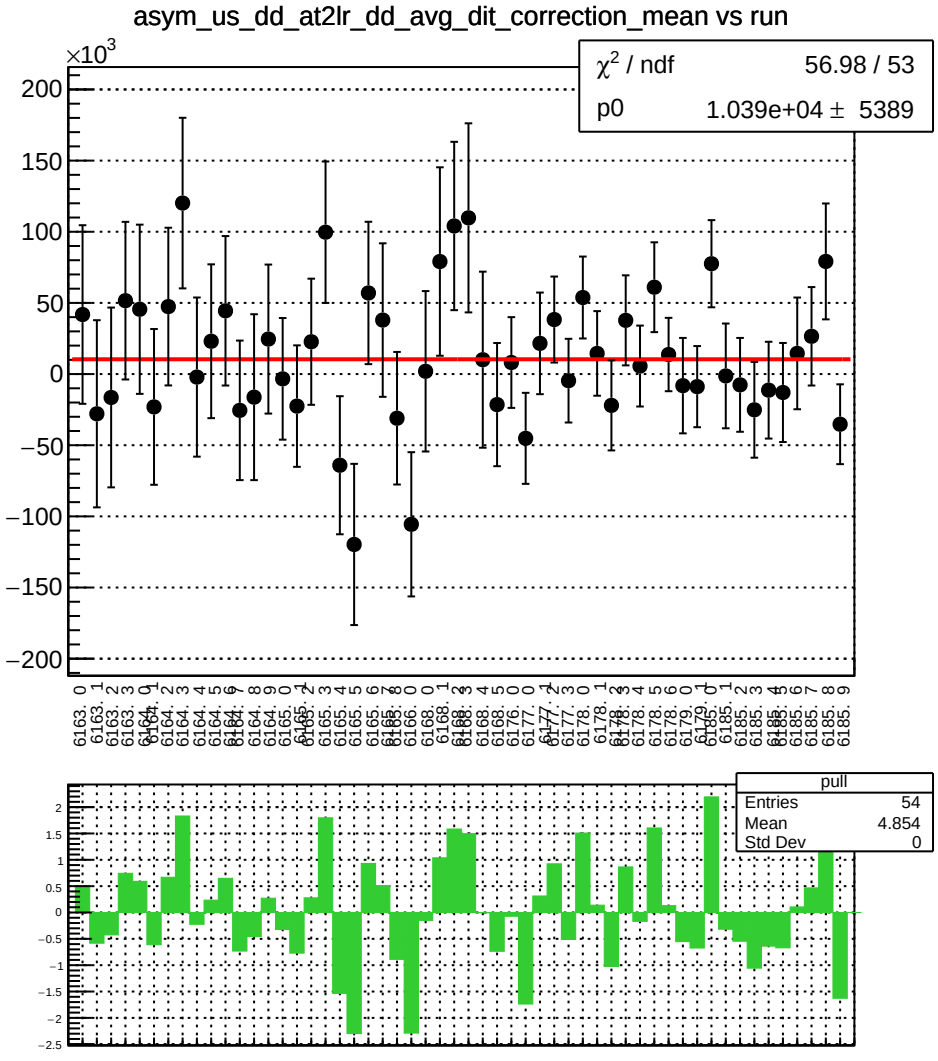
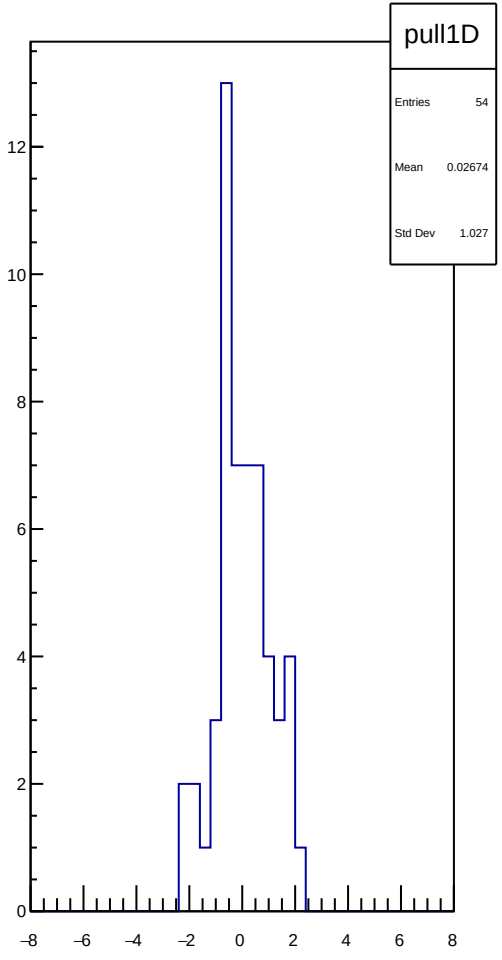
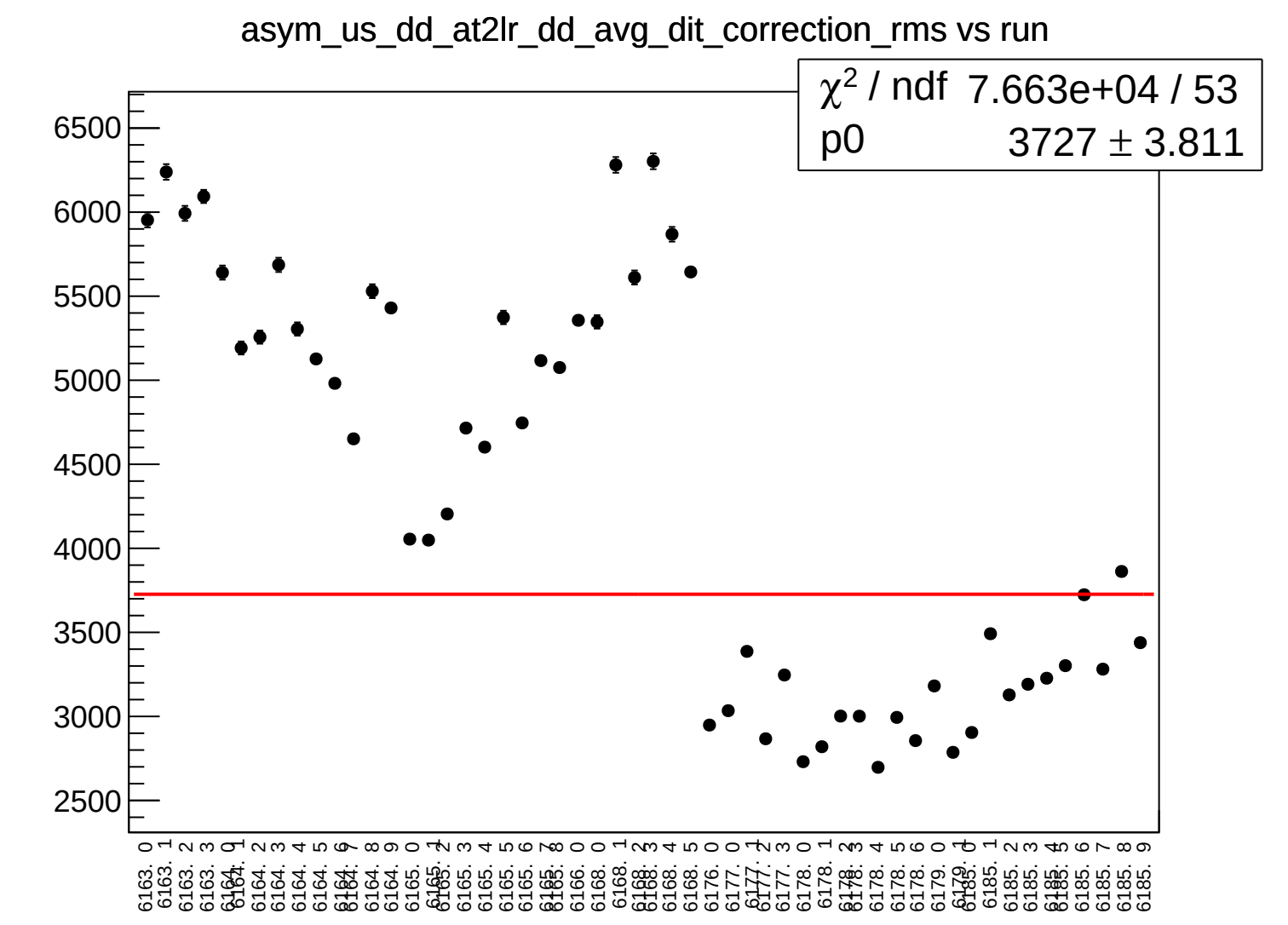
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


asym_us_dd_at2lr_dd_avg_dit_correction_mean vs run
×10^3
χ² / ndf 56.98 / 53
p0 1.039e+04 ± 5389
pull
Entries 54
Mean 4.854
Std Dev 0


pull1D
Entries 54
Mean 0.02674
Std Dev 1.027


asym_us_dd_at2lr_dd_avg_dit_correction_rms vs run
χ² / ndf 7.663e+04 / 53
p0 3727 ± 3.811
6500
6000
5500
5000
4500
4000
3500
3000
2500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
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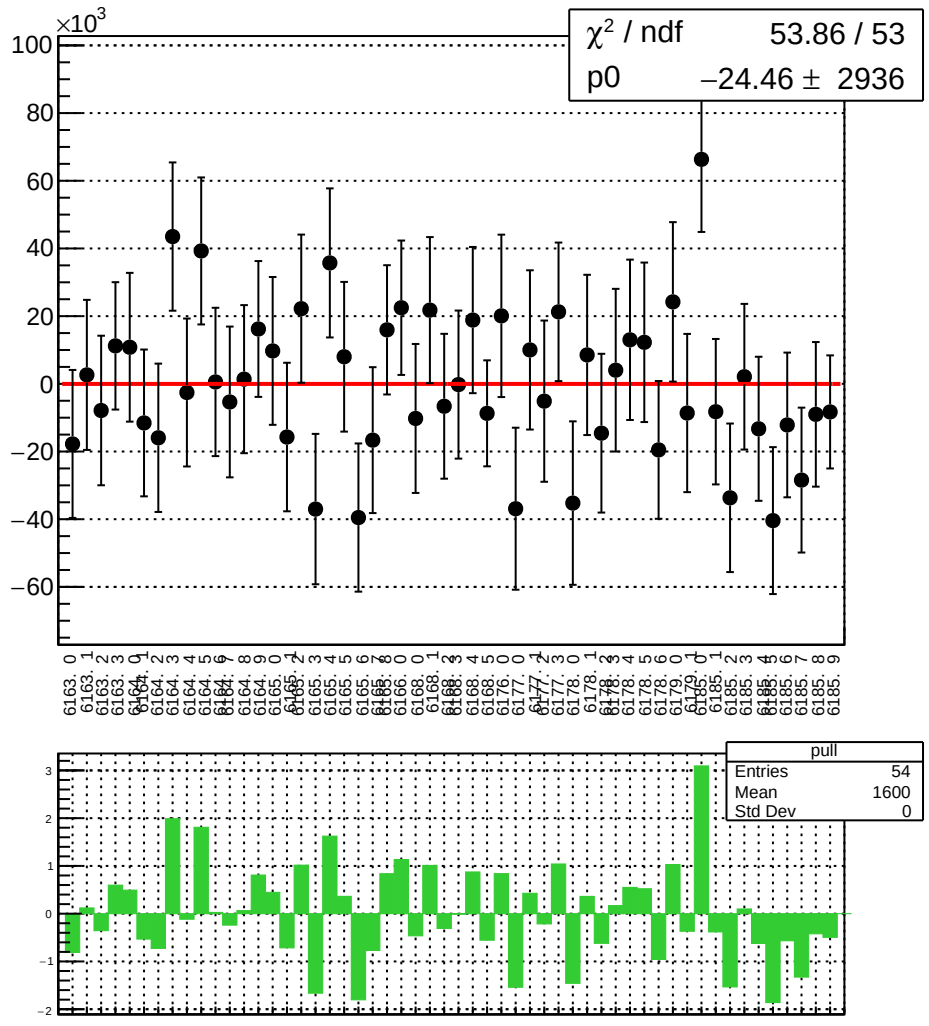
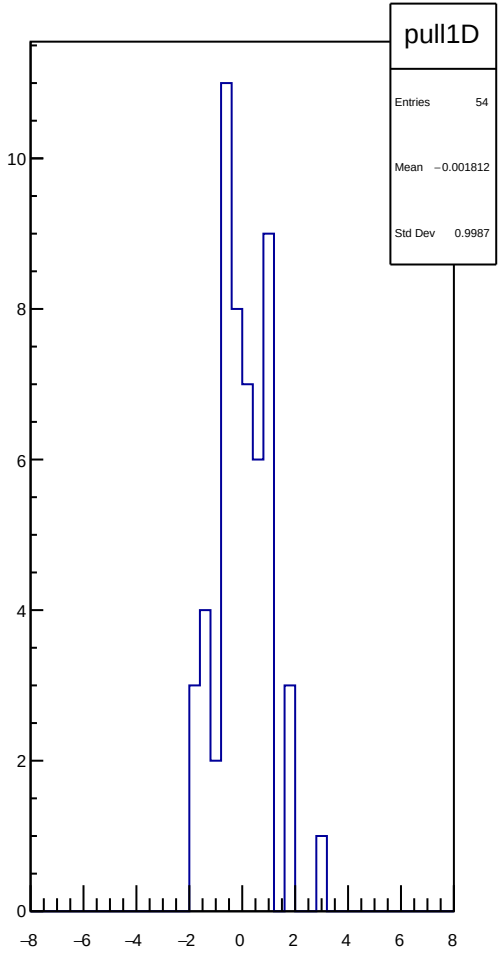
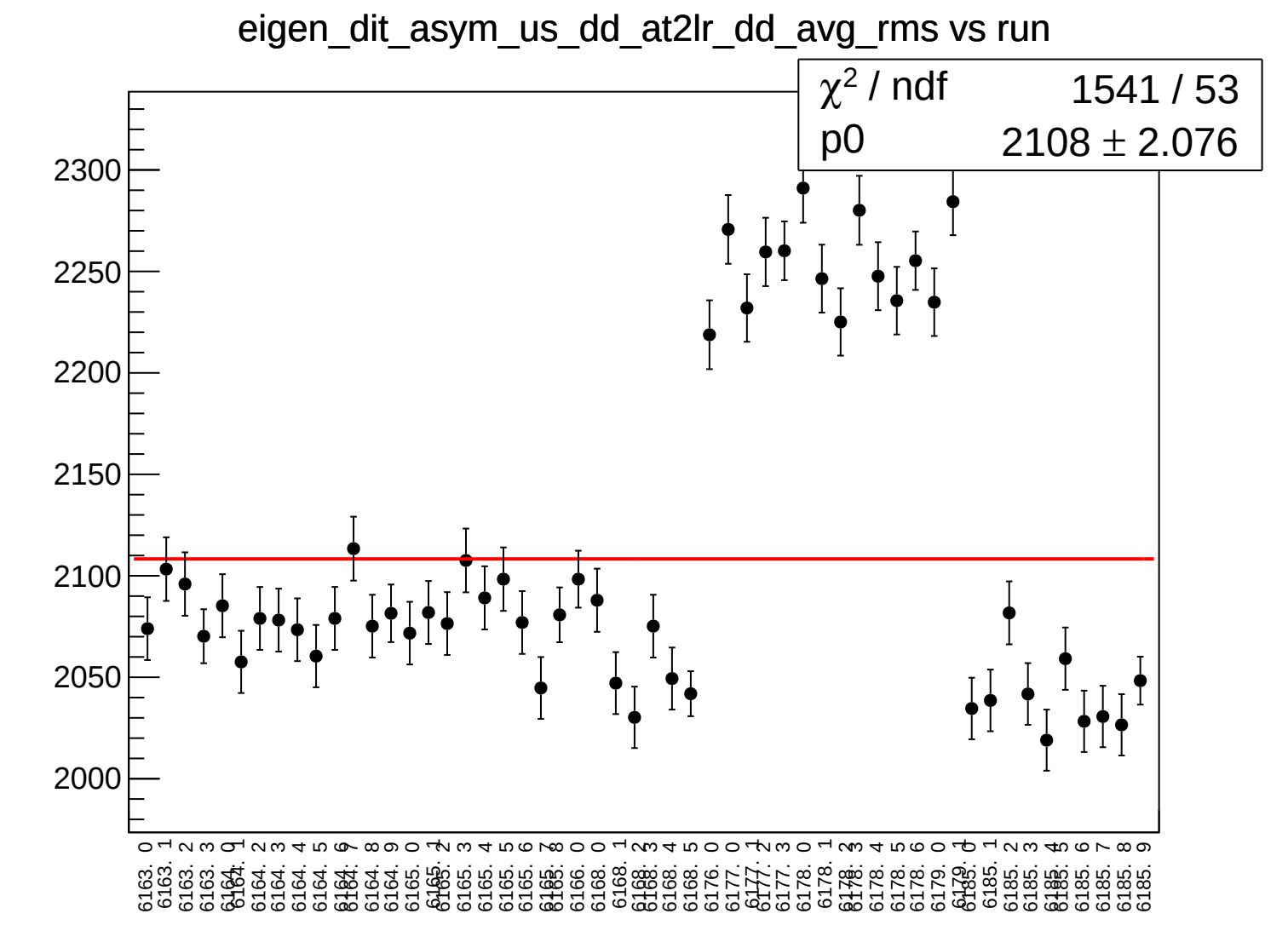
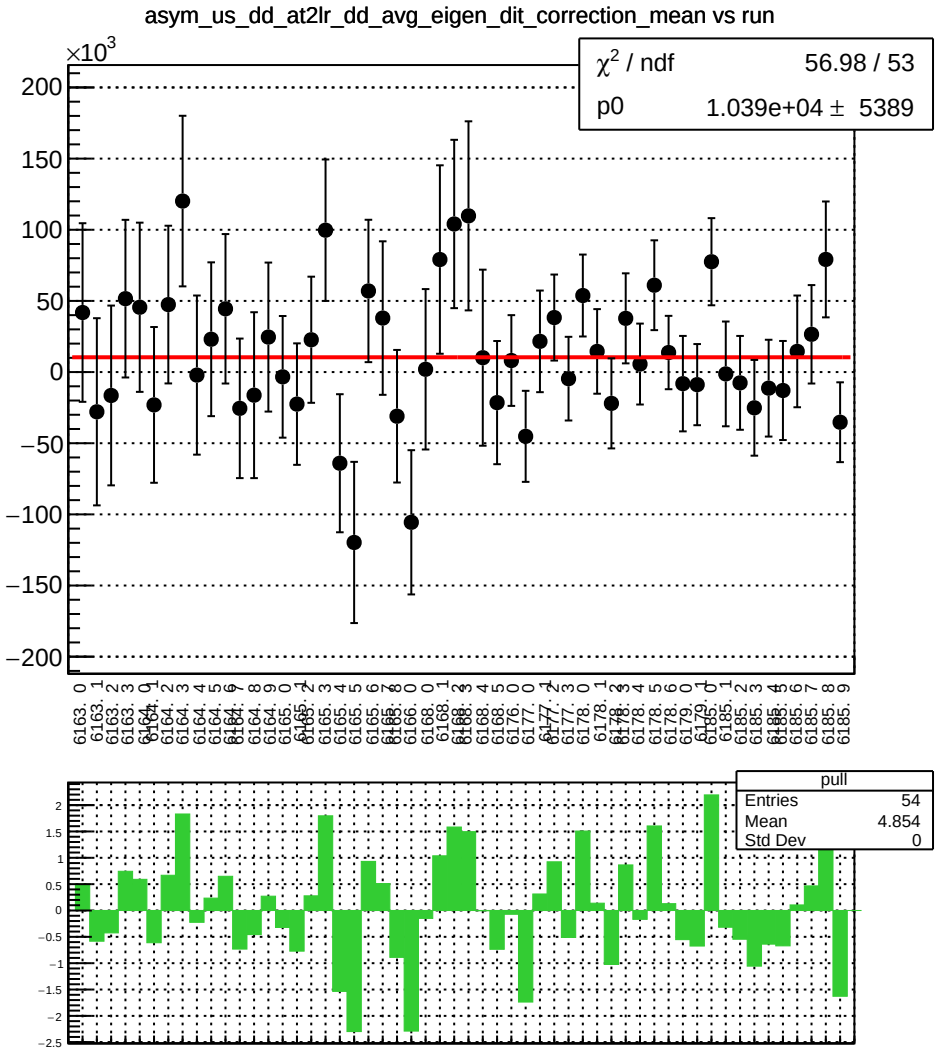
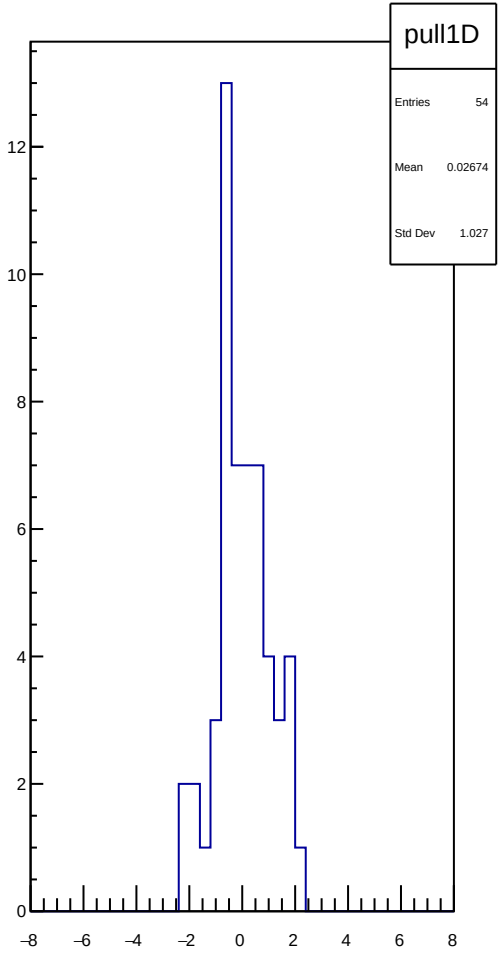
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

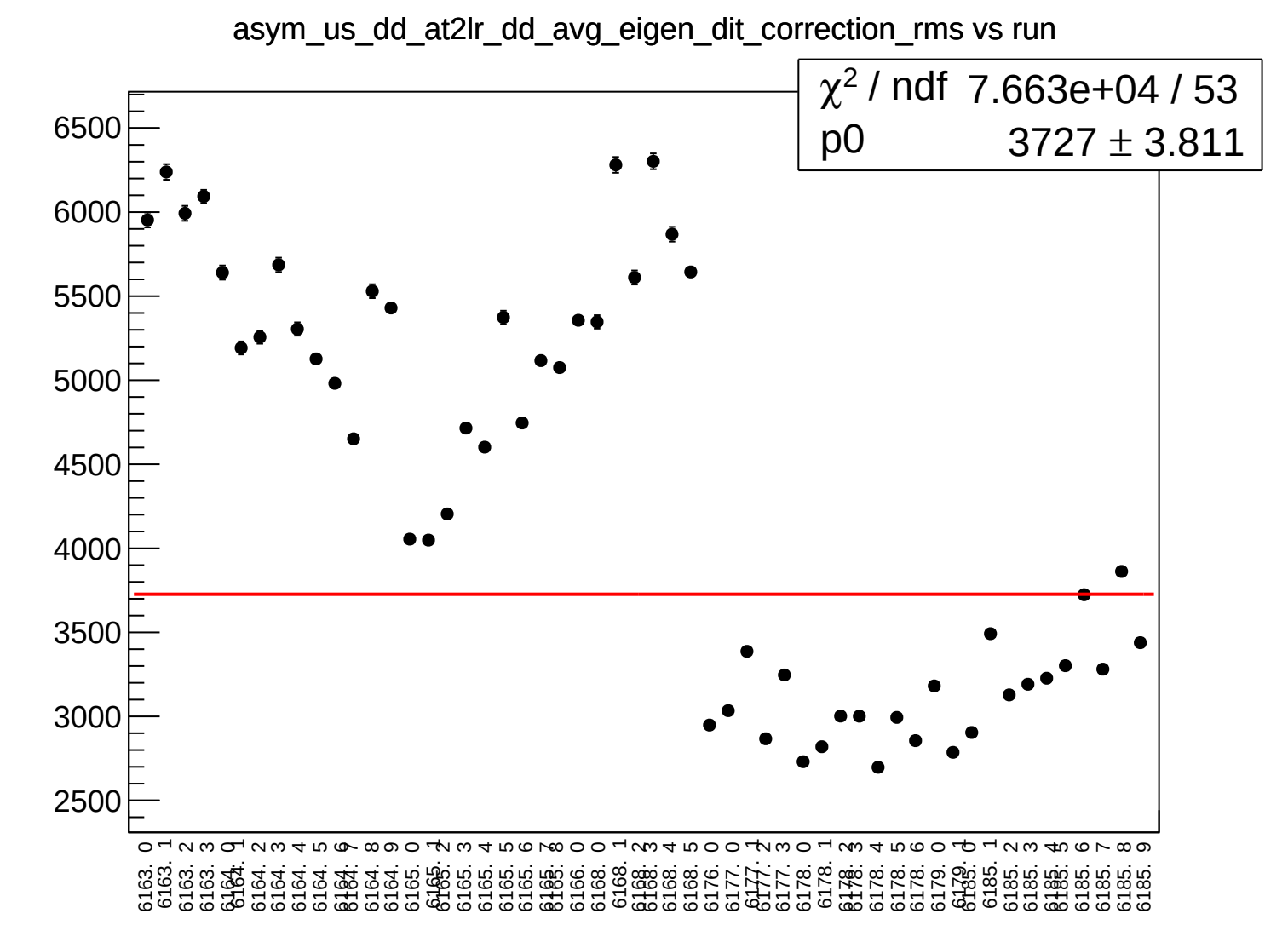

eigen_dit_asym_us_dd_at2lr_dd_avg_mean vs run
×10^3
χ² / ndf 53.86 / 53
p0 −24.46 ± 2936
pull
Entries 54
Mean 1600
Std Dev 0


pull1D
Entries 54
Mean −0.001812
Std Dev 0.9987


eigen_dit_asym_us_dd_at2lr_dd_avg_rms vs run
χ² / ndf 1541 / 53
p0 2108 ± 2.076
2300
2250
2200
2150
2100
2050
2000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


asym_us_dd_at2lr_dd_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 56.98 / 53
p0 1.039e+04 ± 5389
pull
Entries 54
Mean 4.854
Std Dev 0


pull1D
Entries 54
Mean 0.02674
Std Dev 1.027


asym_us_dd_at2lr_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 7.663e+04 / 53
p0 3727 ± 3.811
6500
6000
5500
5000
4500
4000
3500
3000
2500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
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6179. 0
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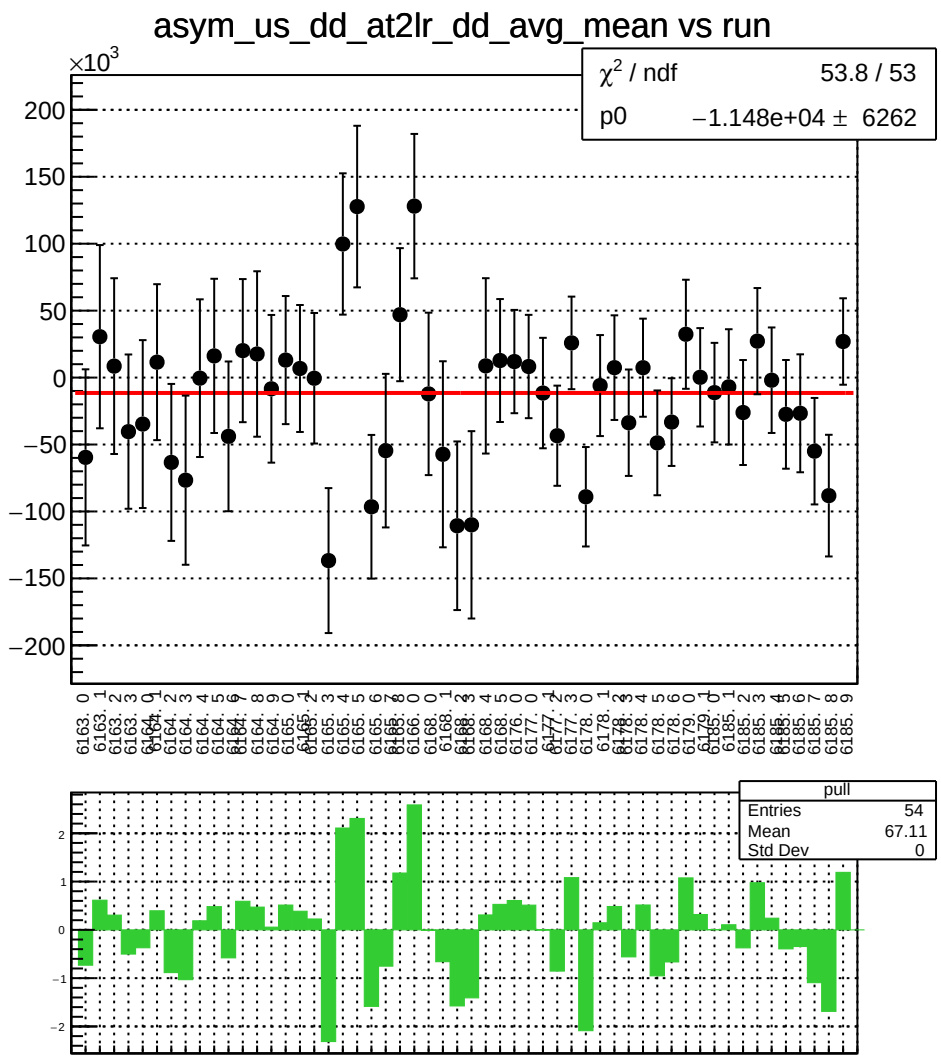
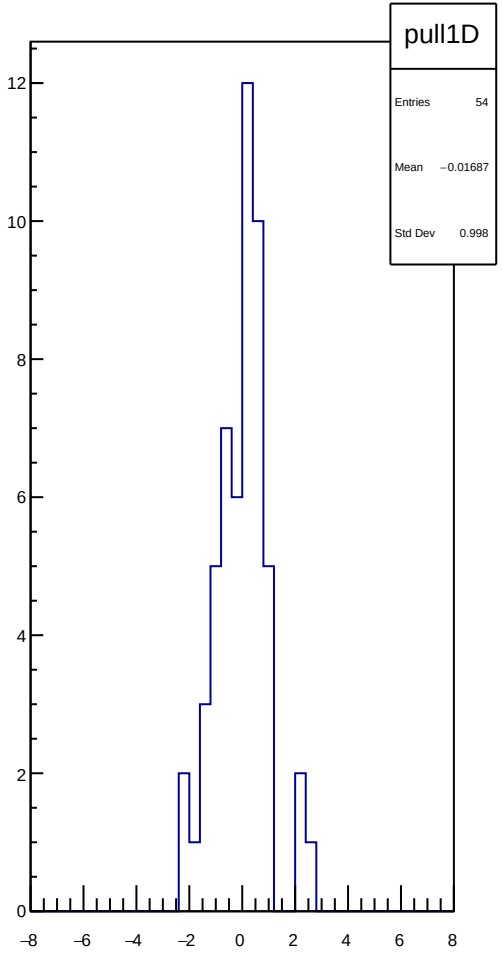
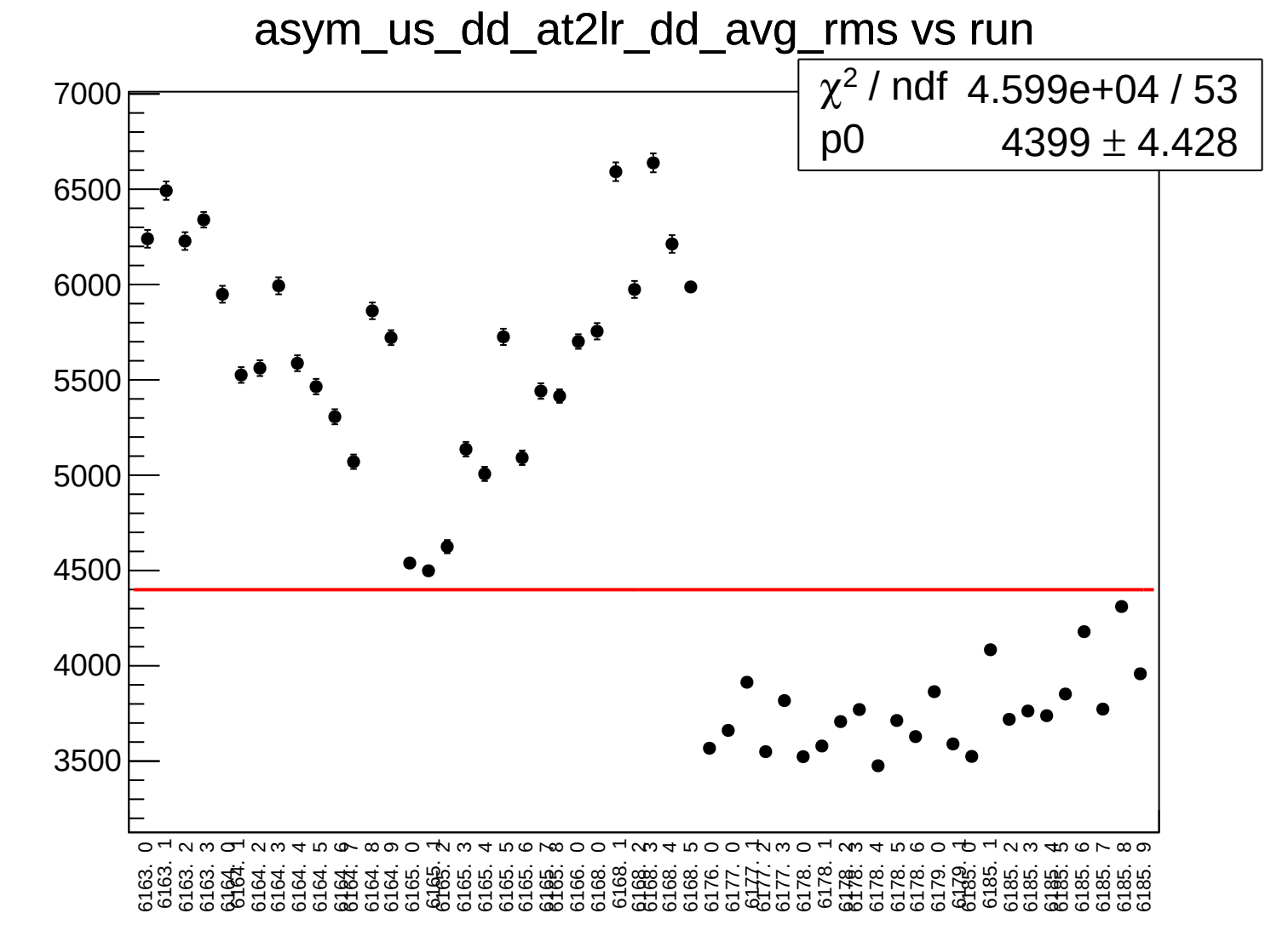
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


asym_us_dd_at2lr_dd_avg_mean vs run
×10^3
χ² / ndf 53.8 / 53
p0 −1.148e+04 ± 6262
pull
Entries 54
Mean 67.11
Std Dev 0


pull1D
Entries 54
Mean −0.01687
Std Dev 0.998


asym_us_dd_at2lr_dd_avg_rms vs run
χ² / ndf 4.599e+04 / 53
p0 4399 ± 4.428
7000
6500
6000
5500
5000
4500
4000
3500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
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6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
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6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
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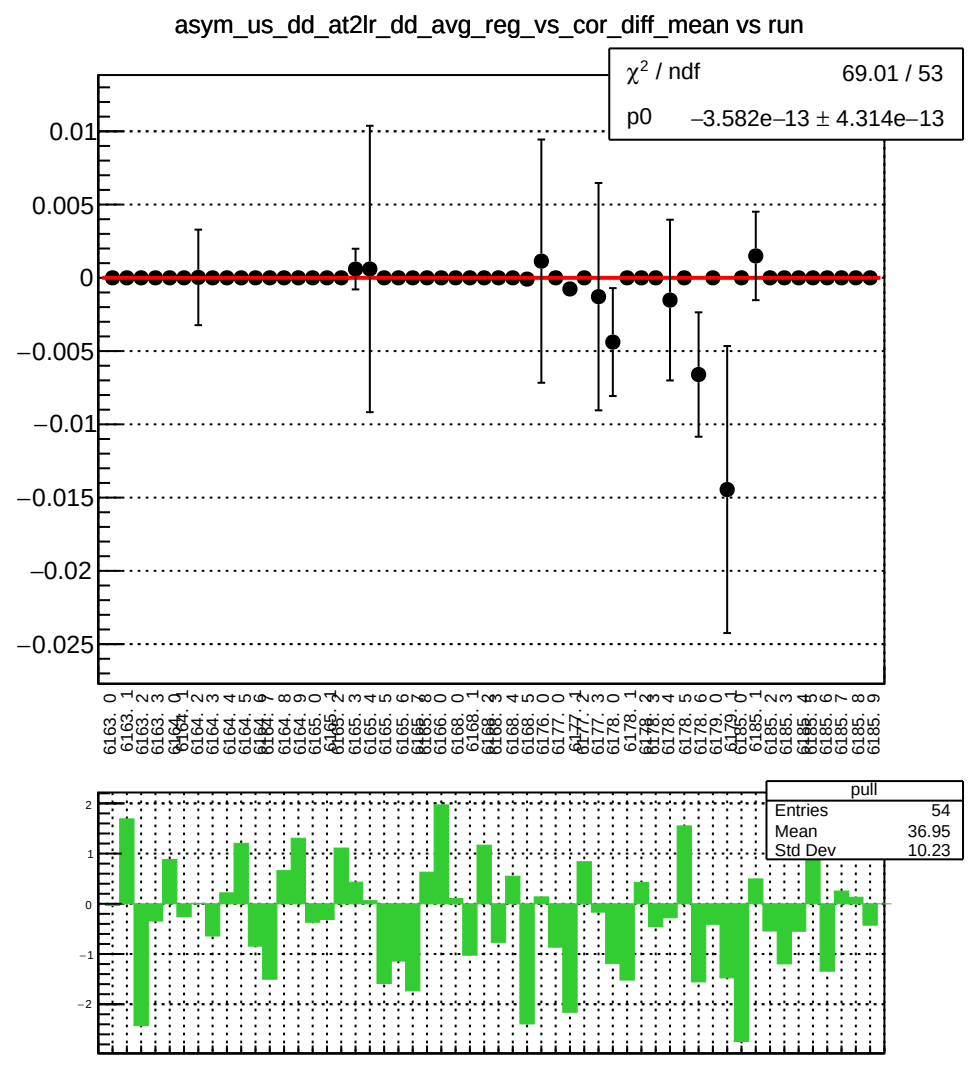
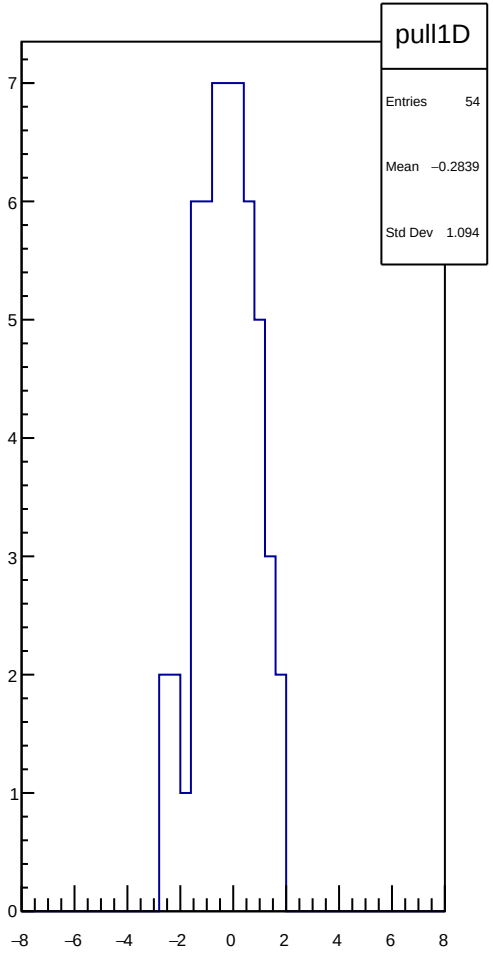
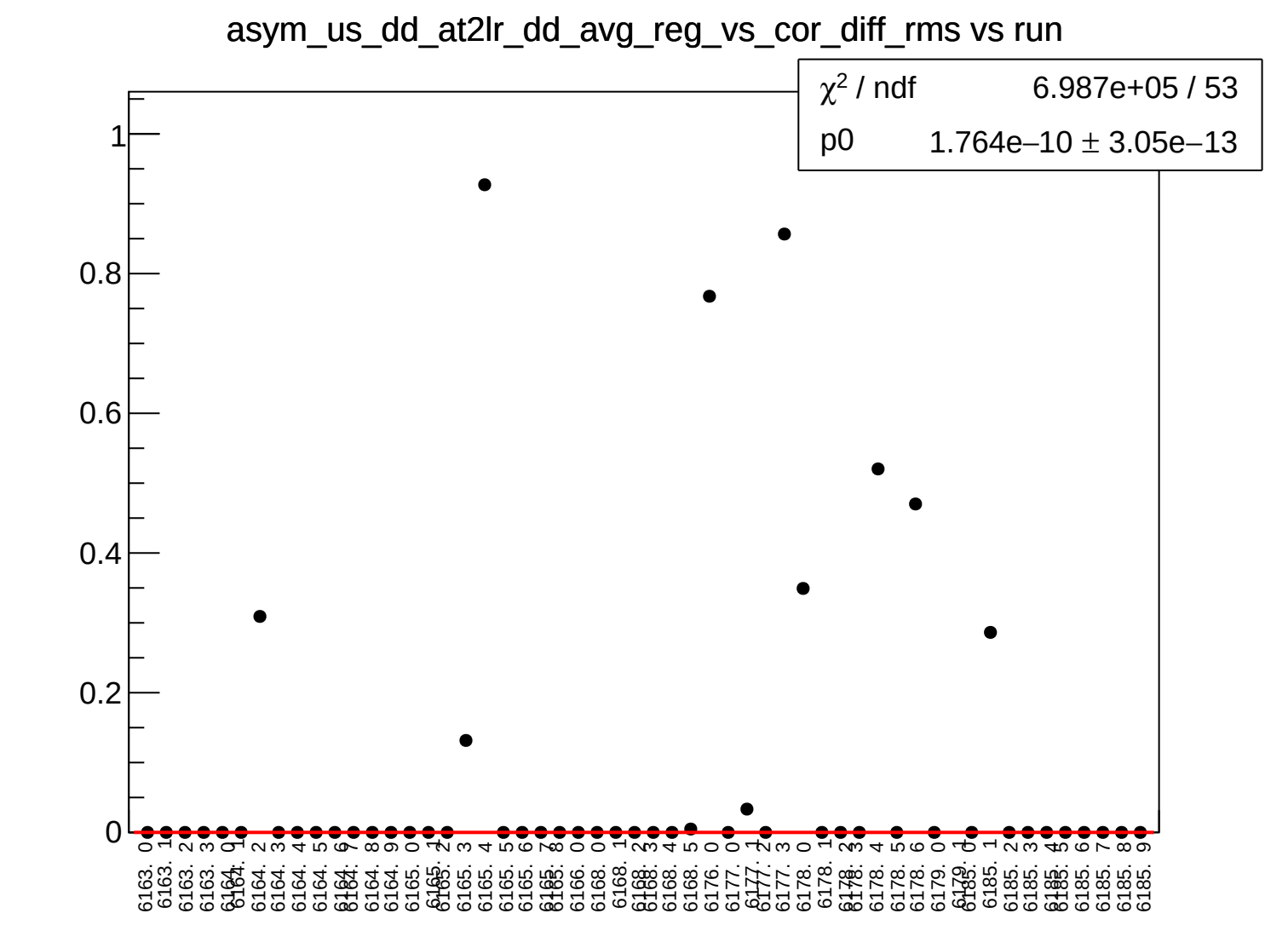
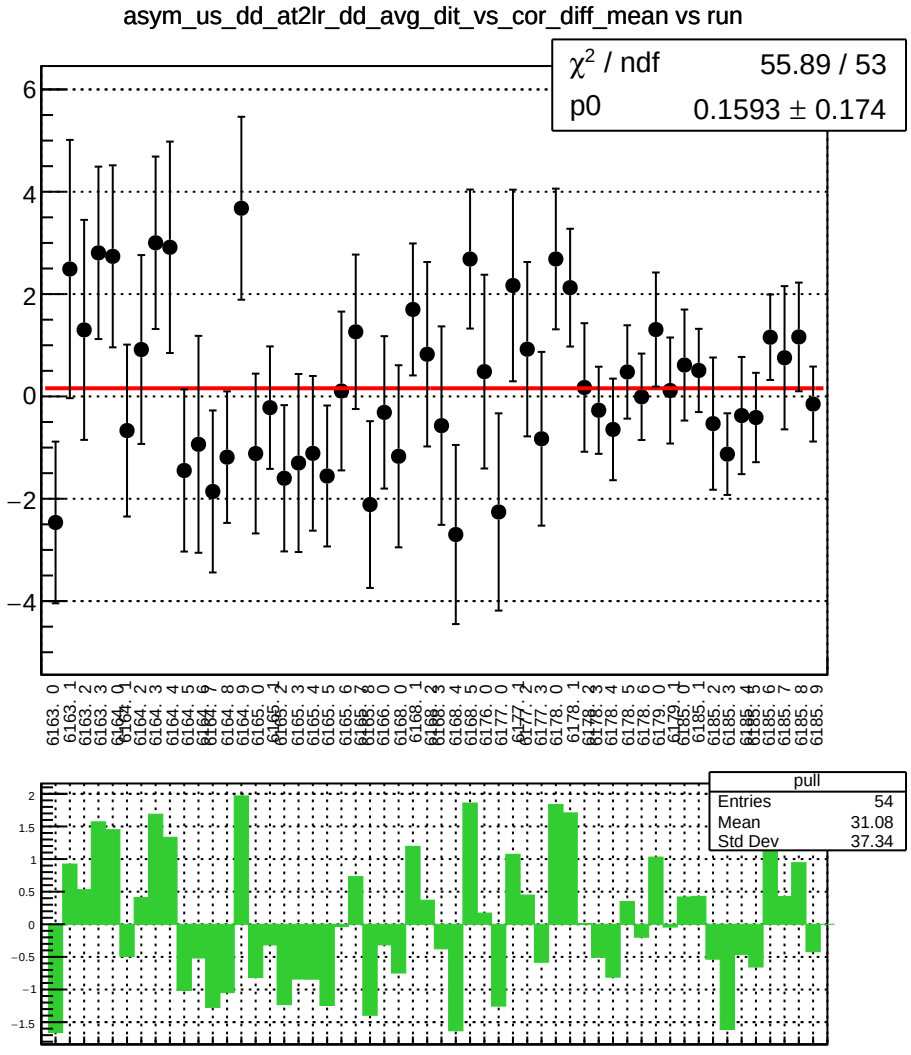
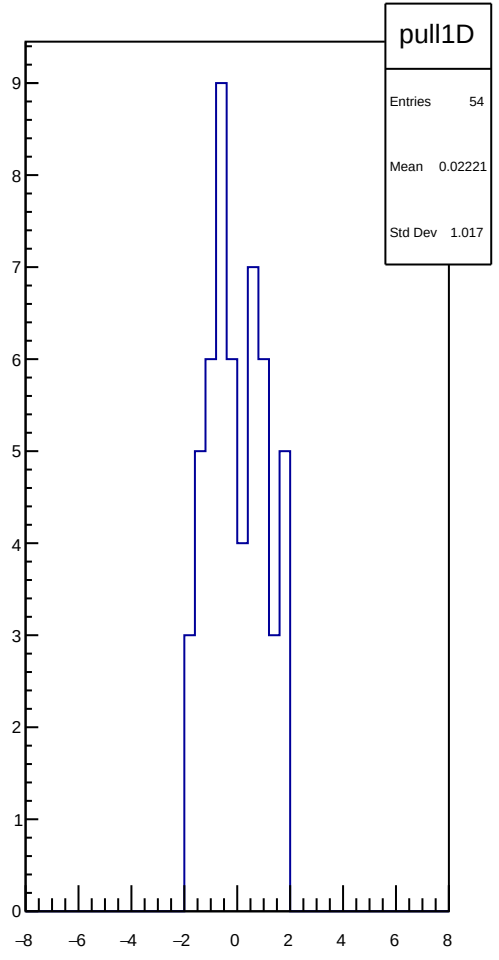
6185. 8
6185. 9

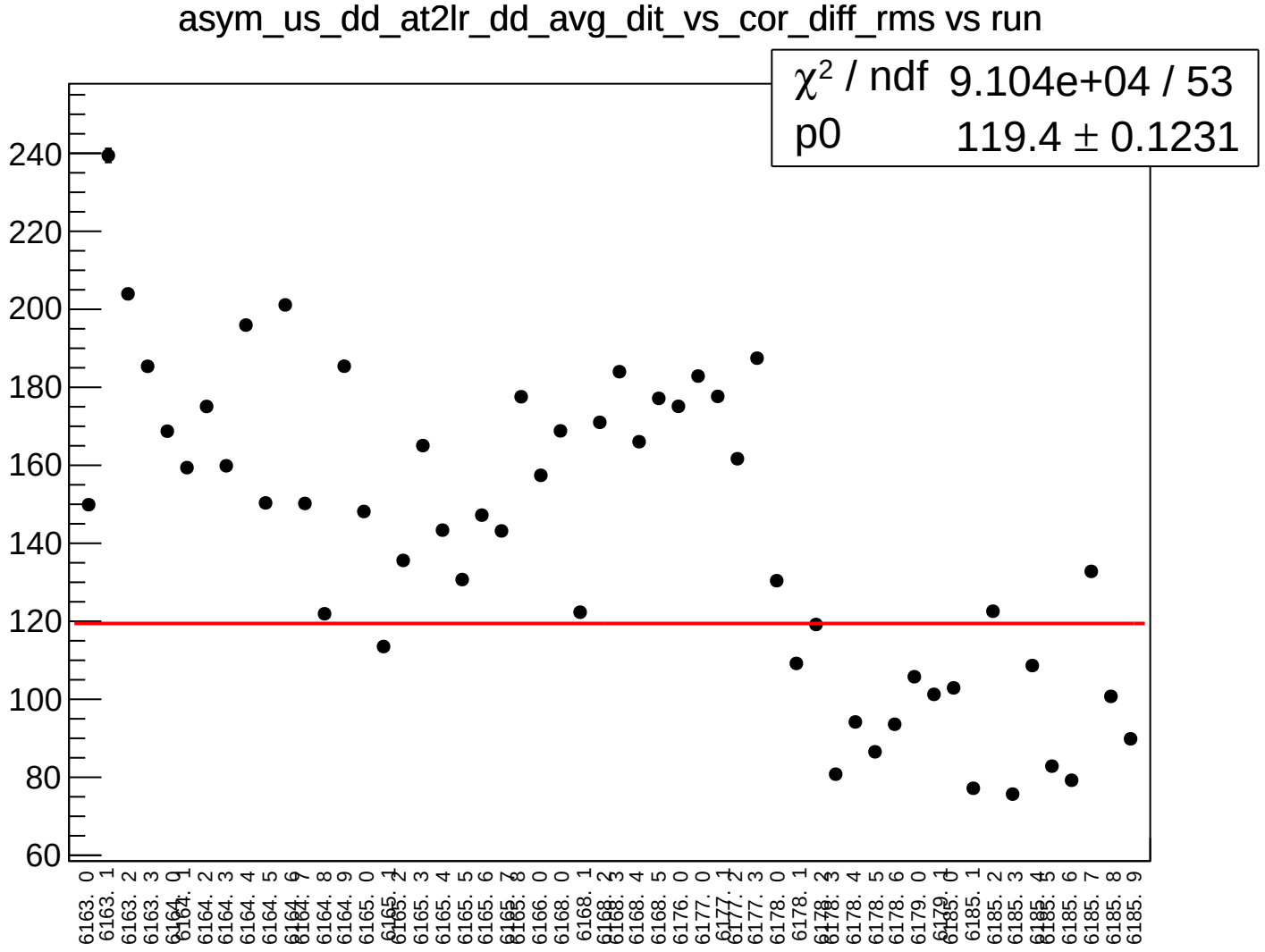

asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 69.01 / 53
p0 −3.582e−13 ± 4.314e−13
pull
Entries 54
Mean 36.95
Std Dev 10.23


pull1D
Entries 54
Mean −0.2839
Std Dev 1.094

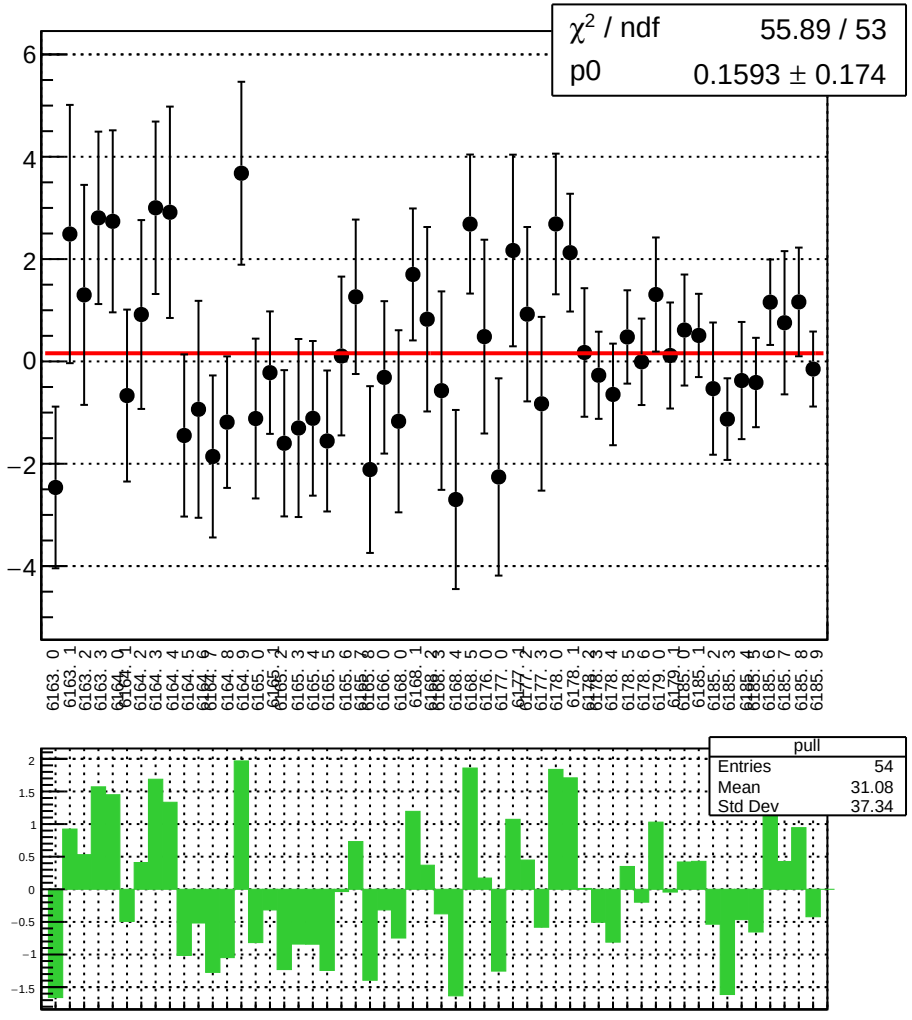

asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.987e+05 / 53
p0 1.764e−10 ± 3.05e−13
1
0.8
0.6
0.4
0.2
0
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 6
6164. 7
6164. 8
6164. 9
6165. 0
6165. 1
6165. 2
6165. 3
6165. 4
6165. 5
6165. 6
6165. 7
6165. 8
6166. 0
6168. 0
6168. 1
6168. 2
6168. 3
6168. 4
6168. 5
6176. 0
6177. 0
6177. 1
6177. 2
6177. 3
6178. 0
6178. 1
6178. 2
6178. 3
6178. 4
6178. 5
6178. 6
6179. 0
6179. 1
6185. 0
6185. 1
6185. 2
6185. 3
6185. 4
6185. 5
6185. 6
6185. 7
6185. 8
6185. 9

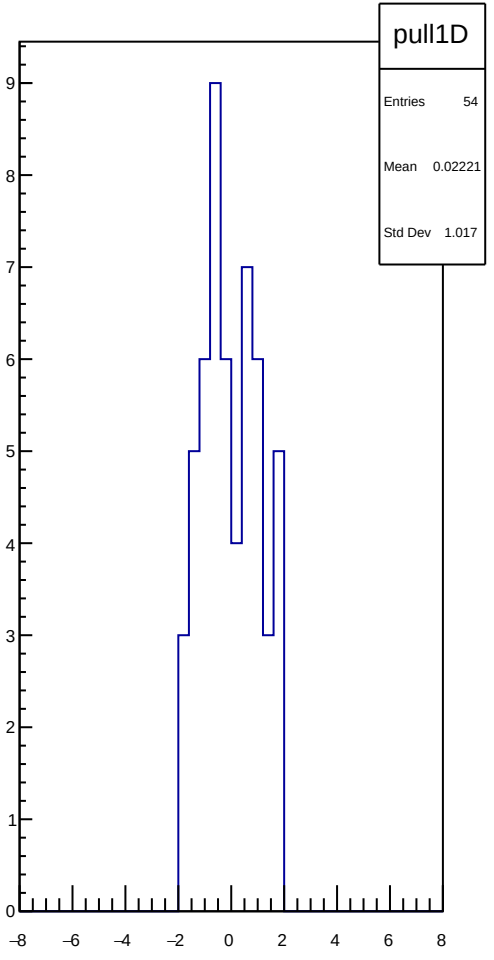

asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 55.89 / 53
p0 0.1593 ± 0.174
pull
Entries 54
Mean 31.08
Std Dev 37.34

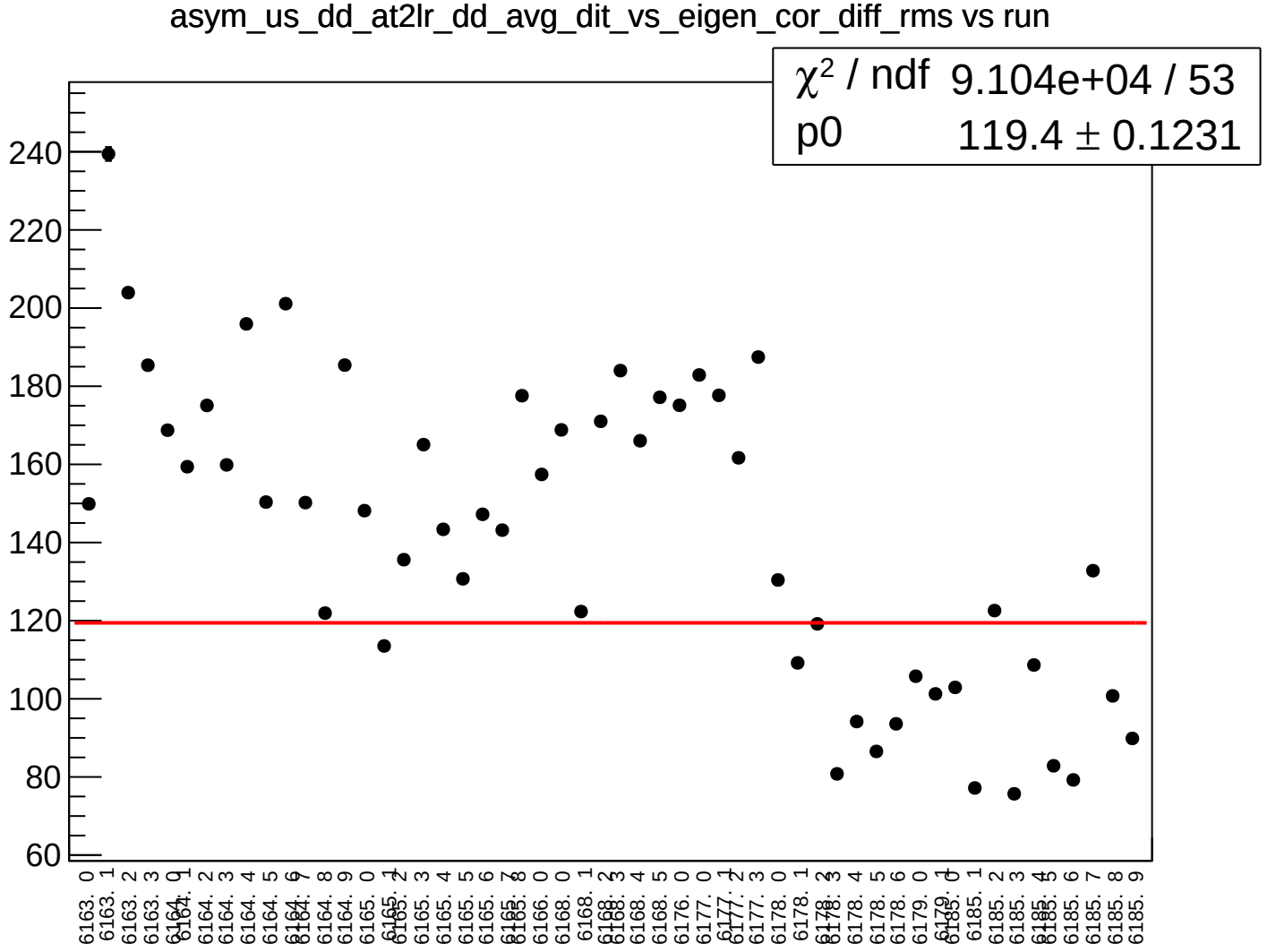

pull1D
Entries 54
Mean 0.02221
Std Dev 1.017

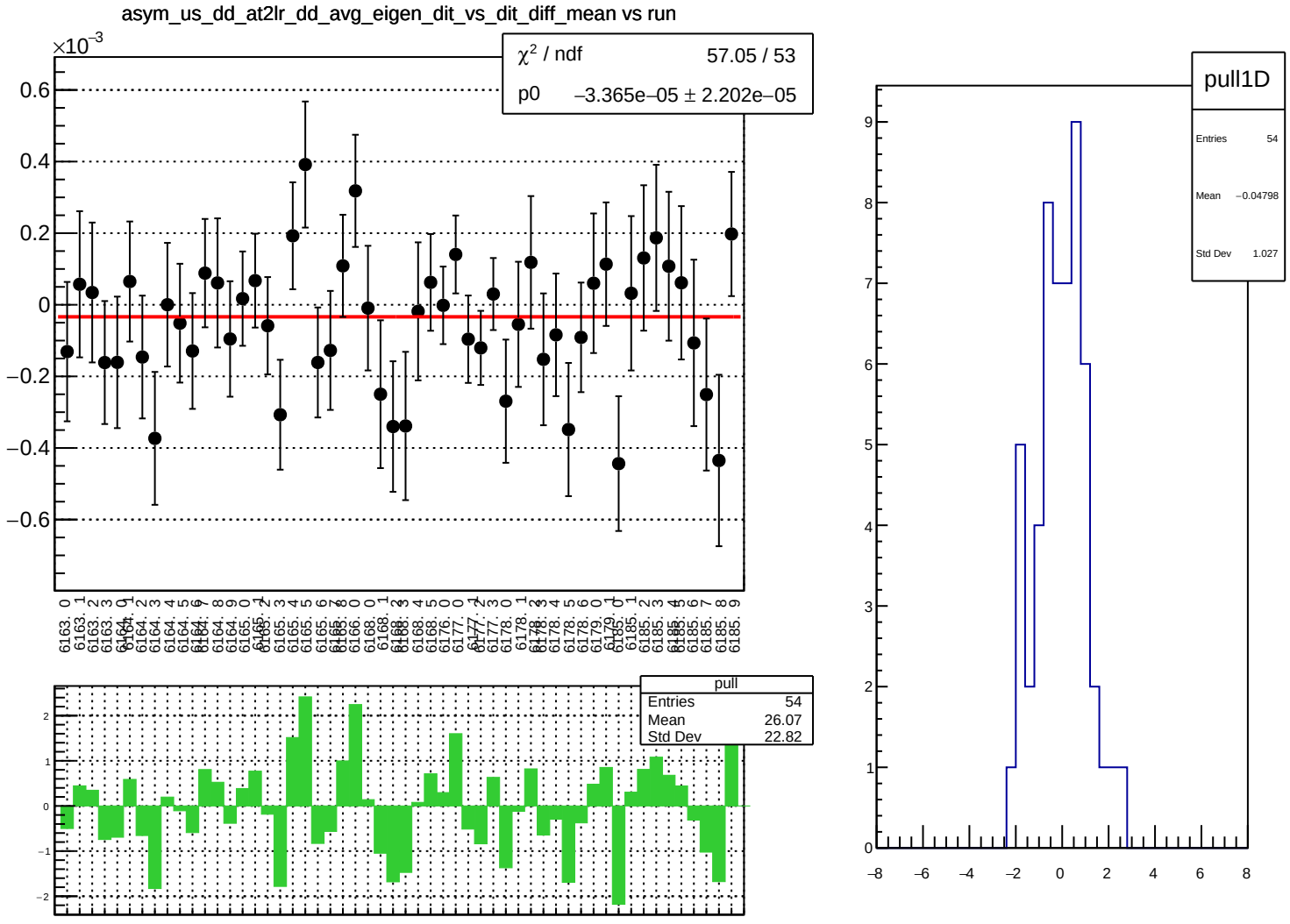

asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 9.104e+04 / 53
p0 119.4 ± 0.1231
240
220
200
180
160
140
120
100
80
60
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

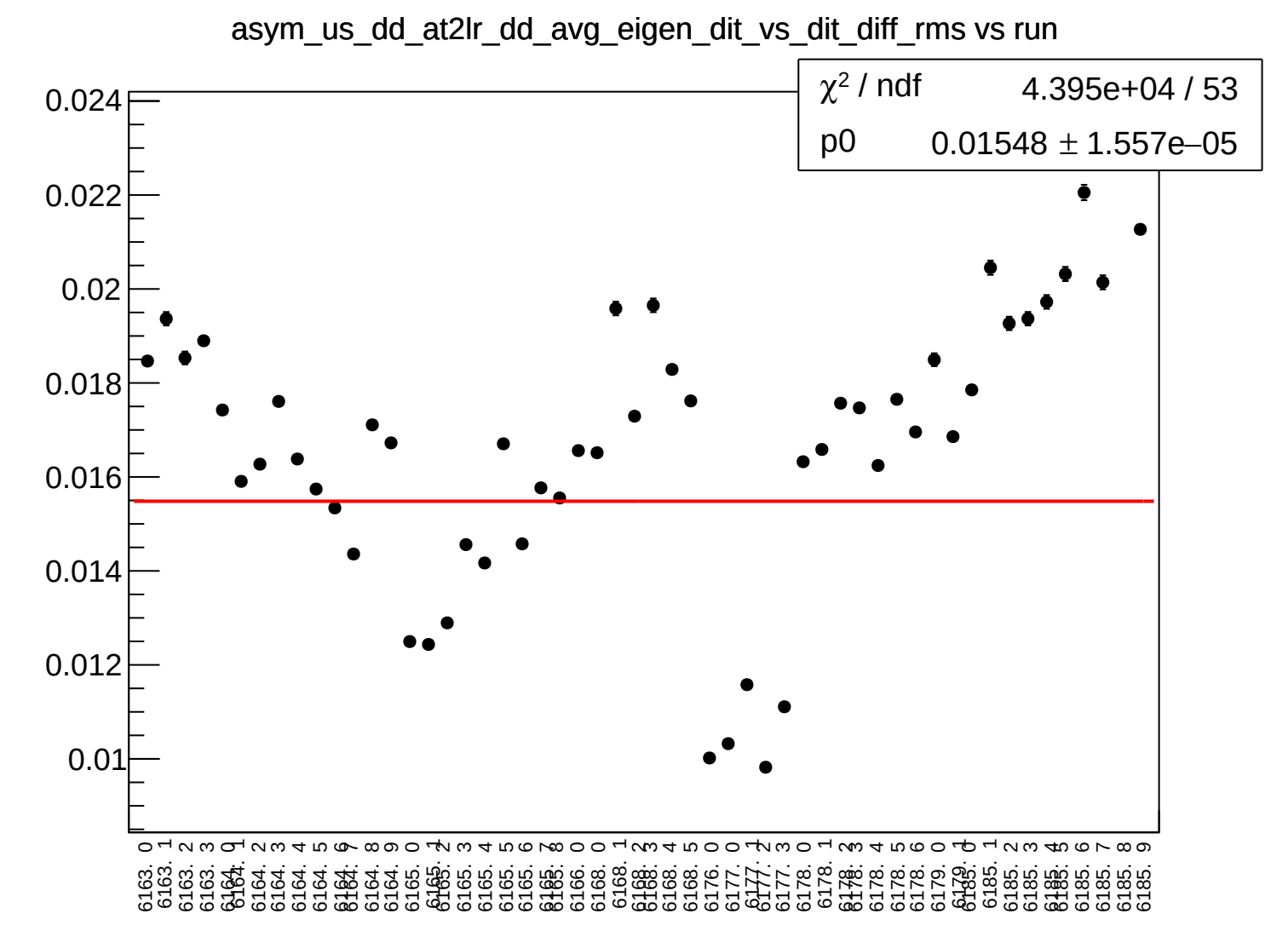
asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_mean vs run

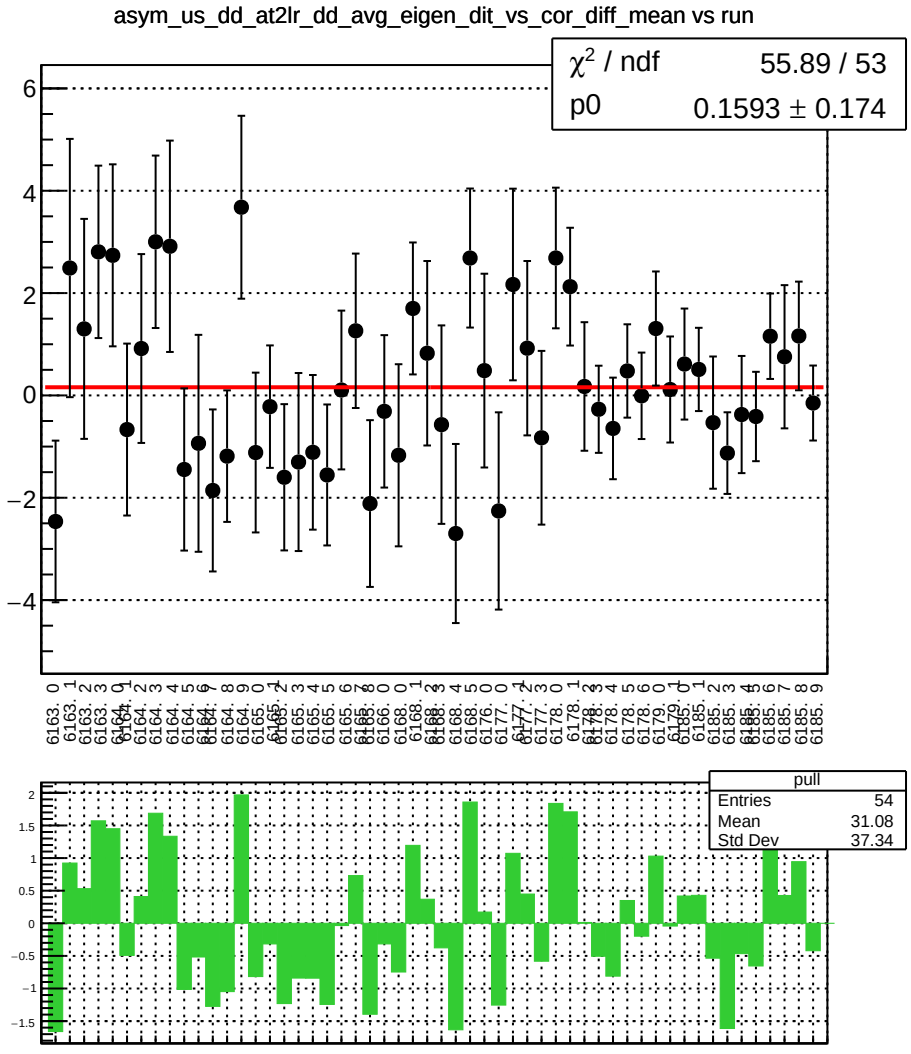


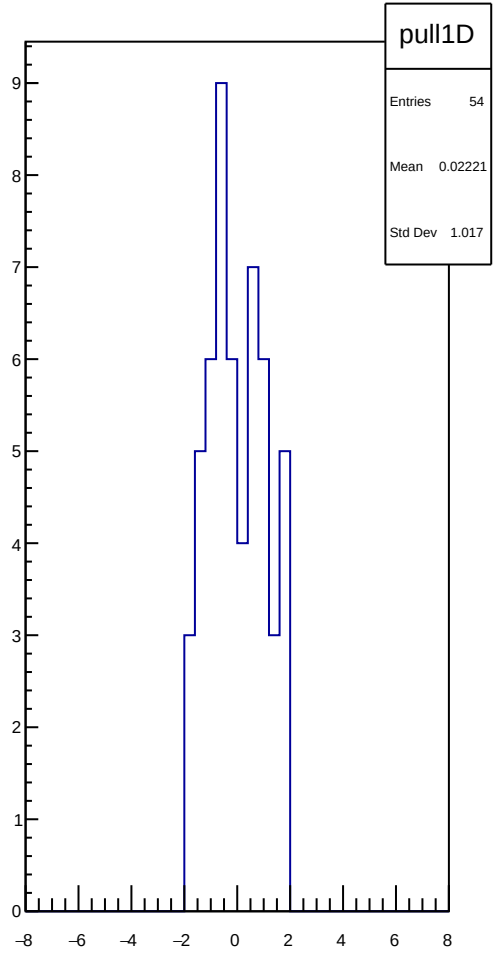


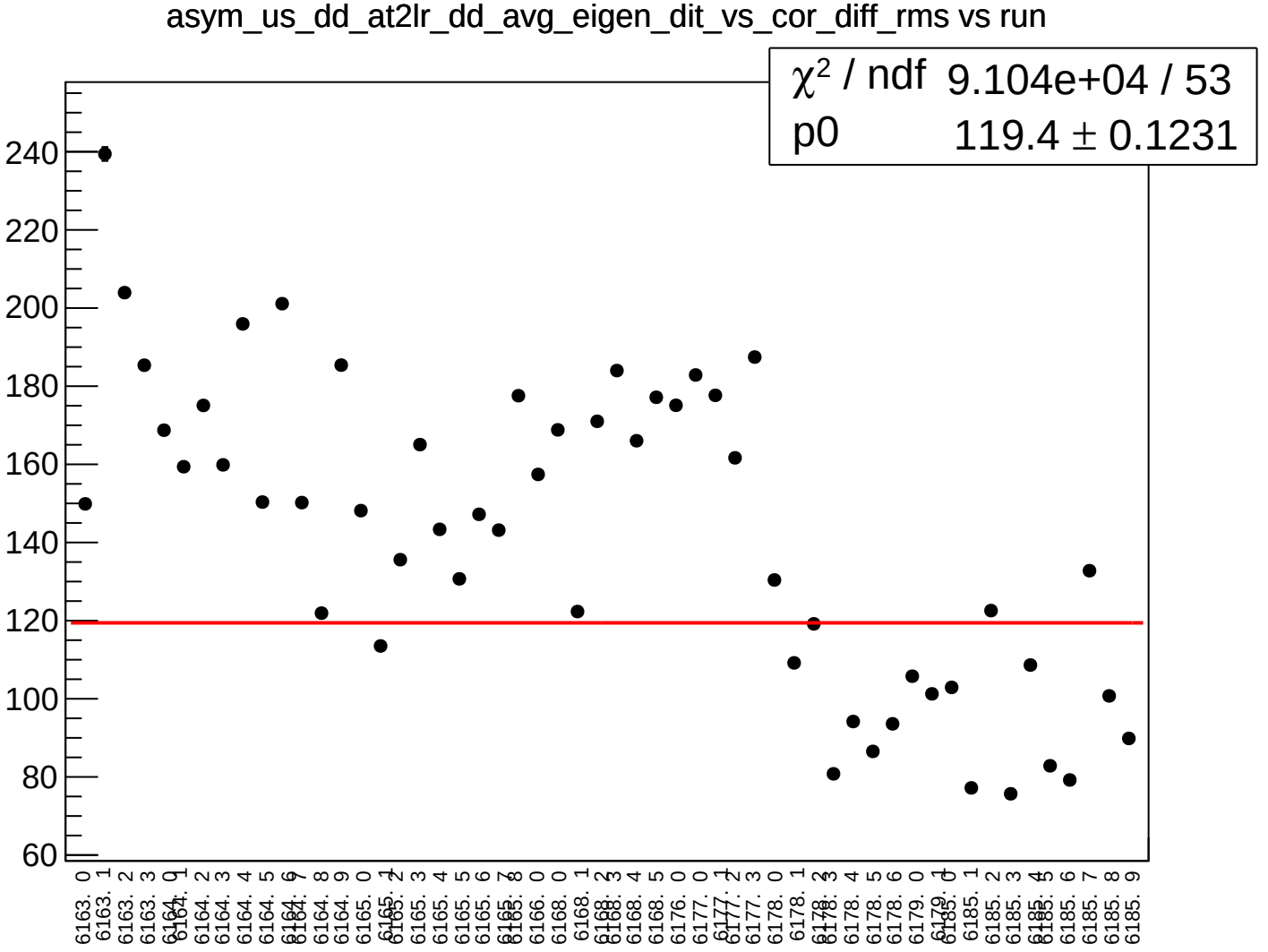

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.104e+04 / 53
p0 119.4 ± 0.1231
240
220
200
180
160
140
120
100
80
60
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

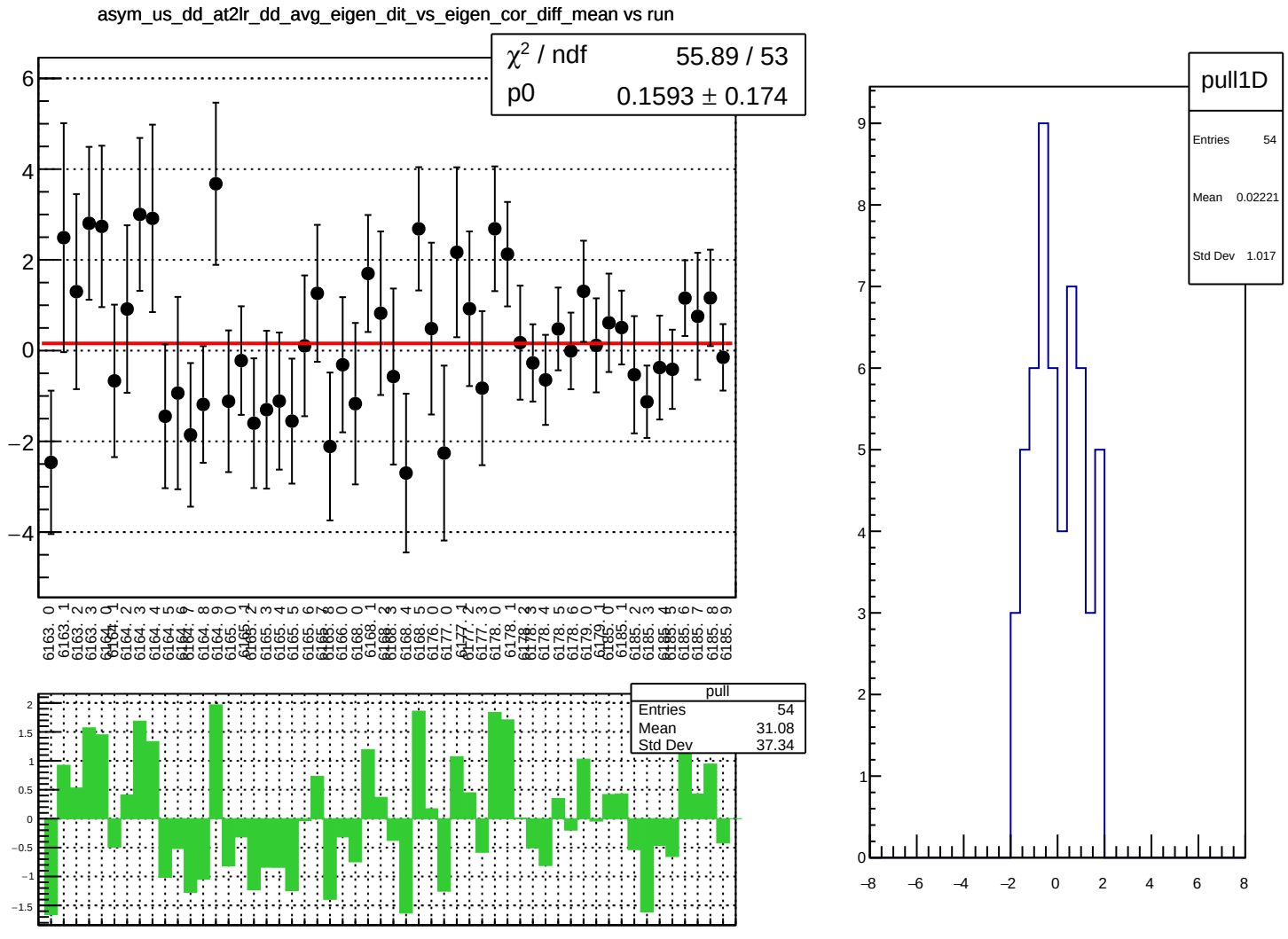

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 57.05 / 53
p0 −3.365e−05 ± 2.202e−05
pull
Entries 54
Mean 26.07
Std Dev 22.82
pull1D
Entries 54
Mean −0.04798
Std Dev 1.027

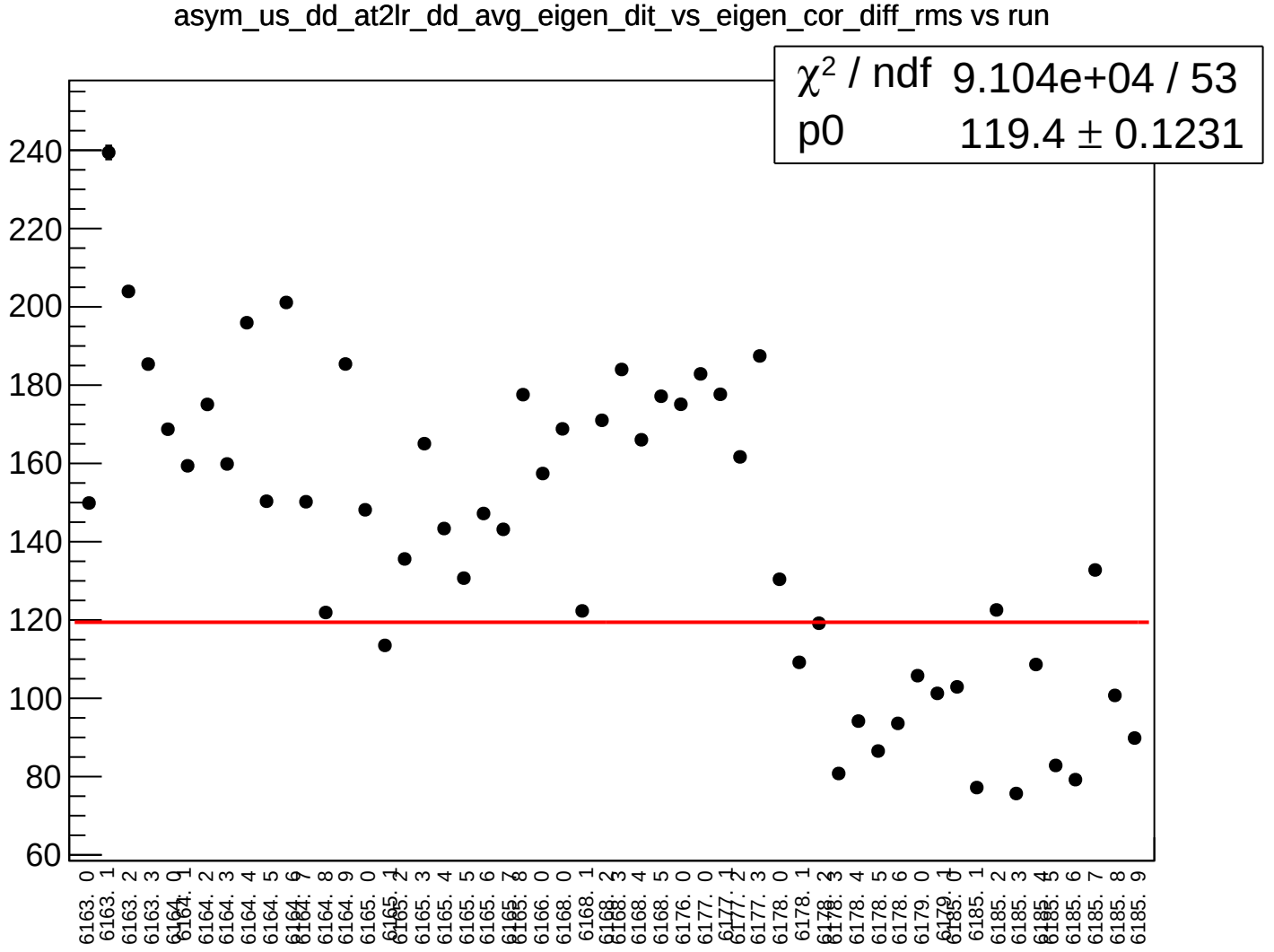

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4.395e+04 / 53
p0 0.01548 ± 1.557e−05
0.024
0.022
0.02
0.018
0.016
0.014
0.012
0.01
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

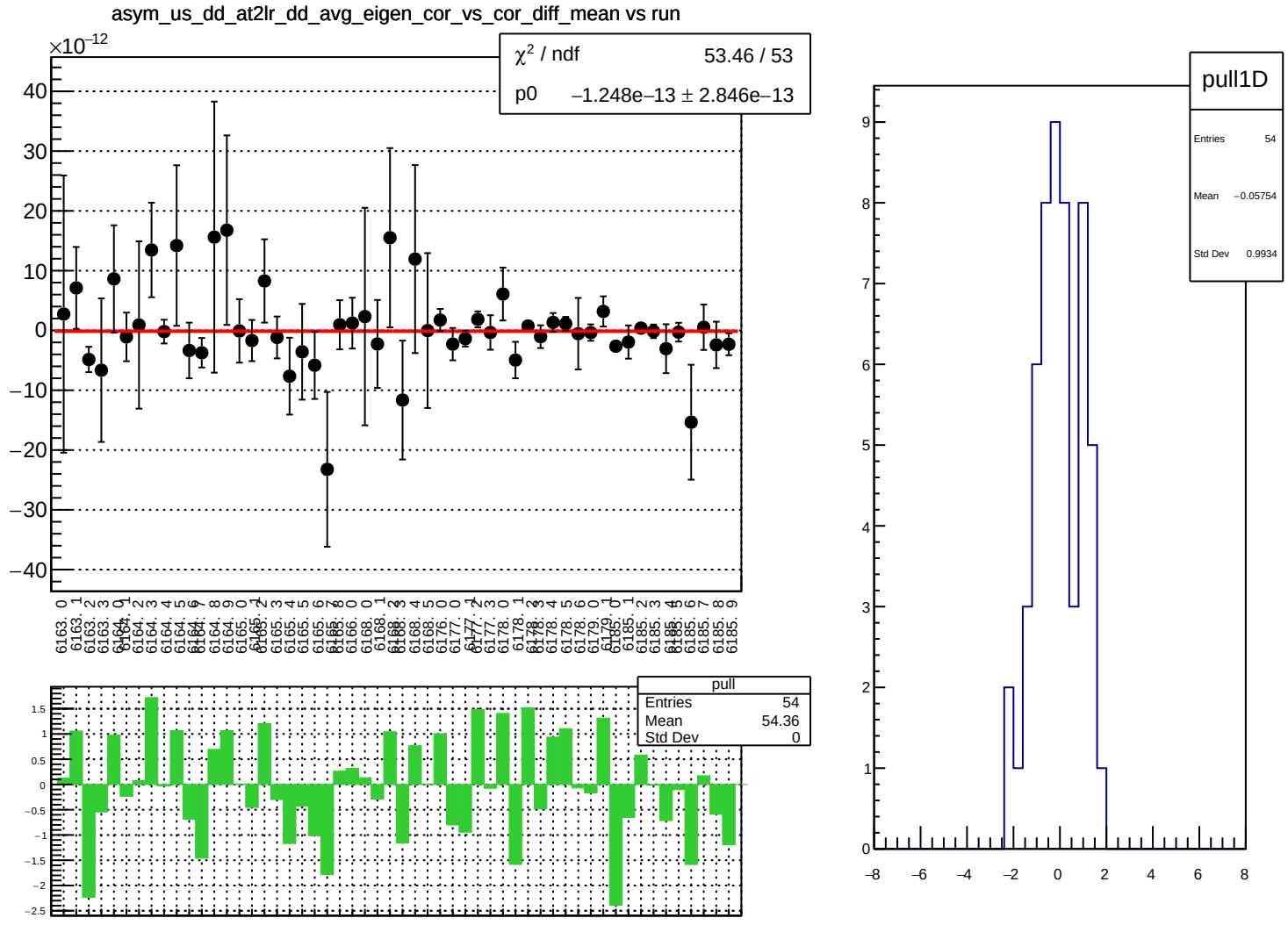

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 55.89 / 53
p0 0.1593 ± 0.174
pull
Entries 54
Mean 31.08
Std Dev 37.34

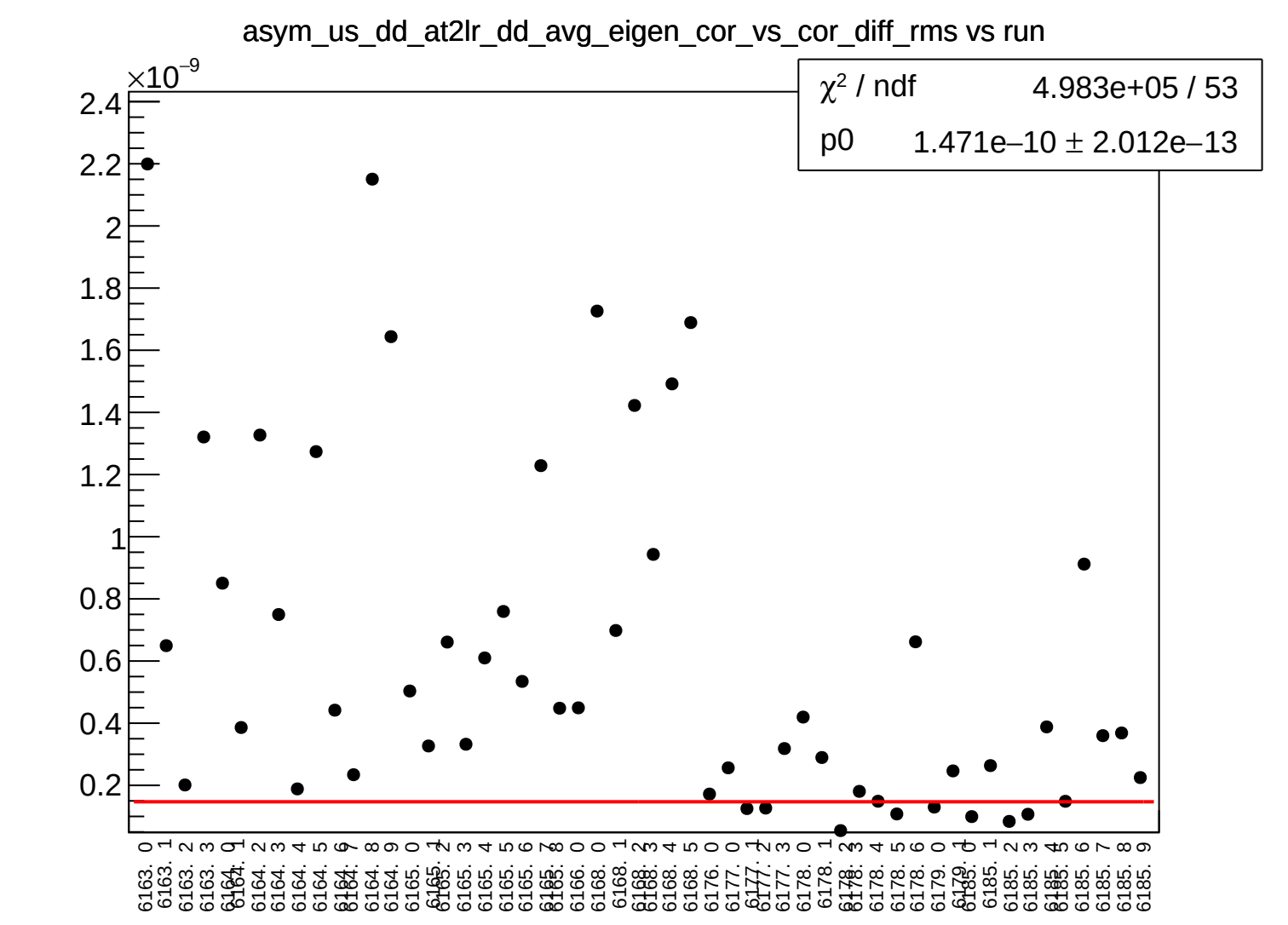

pull1D
Entries 54
Mean 0.02221
Std Dev 1.017

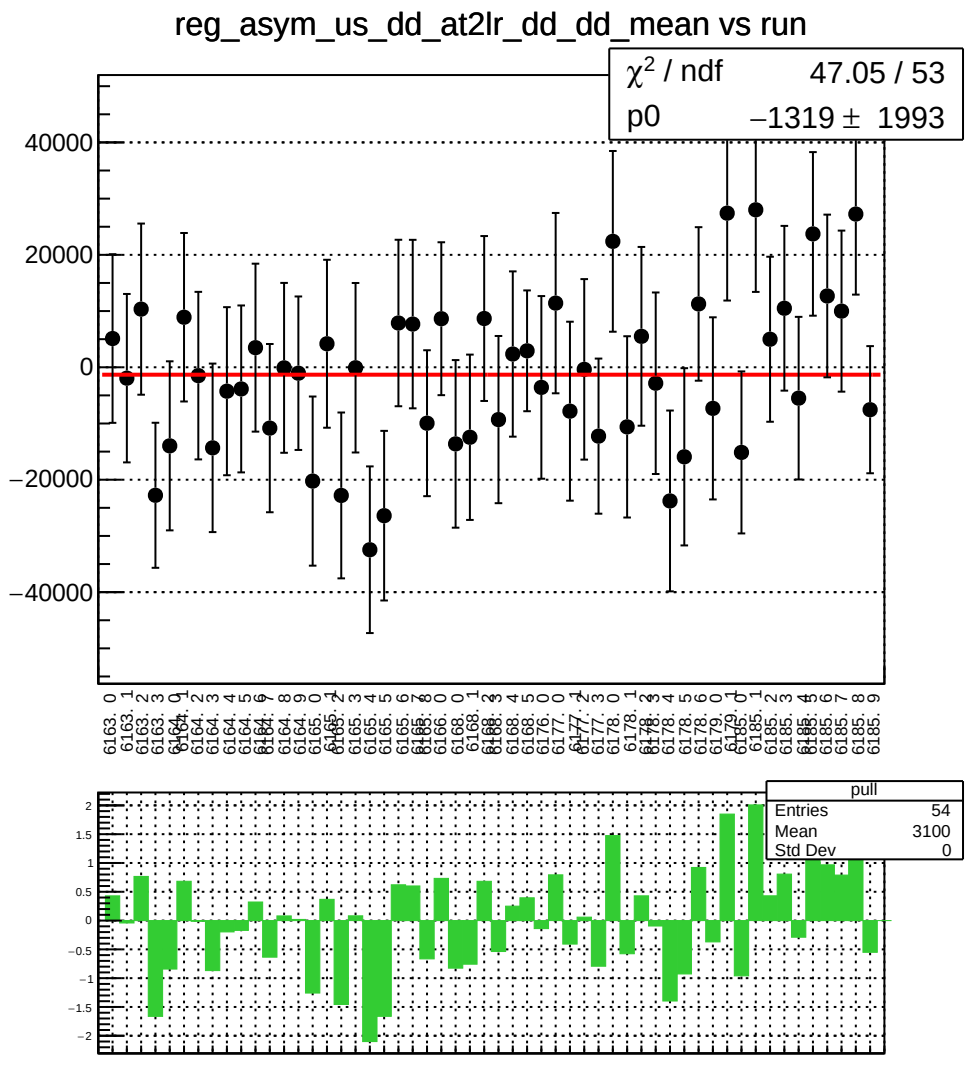

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 9.104e+04 / 53
p0 119.4 ± 0.1231
240
220
200
180
160
140
120
100
80
60
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

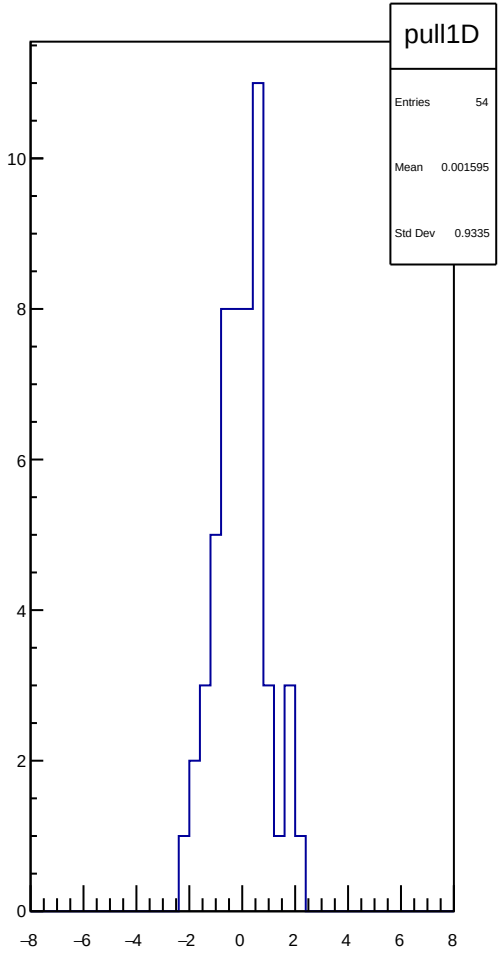

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 55.89 / 53
p0 0.1593 ± 0.174
pull
Entries 54
Mean 31.08
Std Dev 37.34
pull1D
Entries 54
Mean 0.02221
Std Dev 1.017

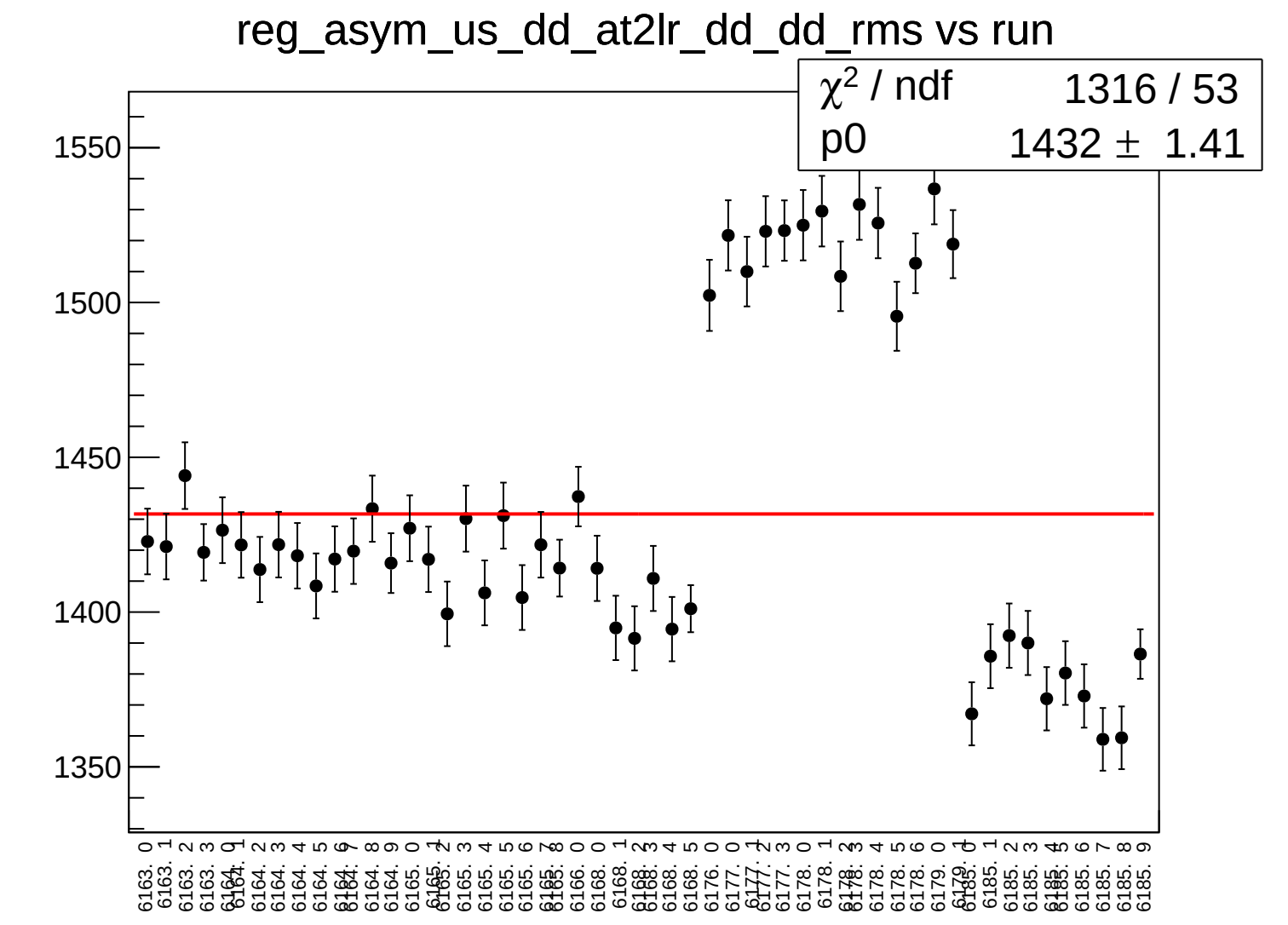

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.104e+04 / 53
p0 119.4 ± 0.1231
240
220
200
180
160
140
120
100
80
60
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

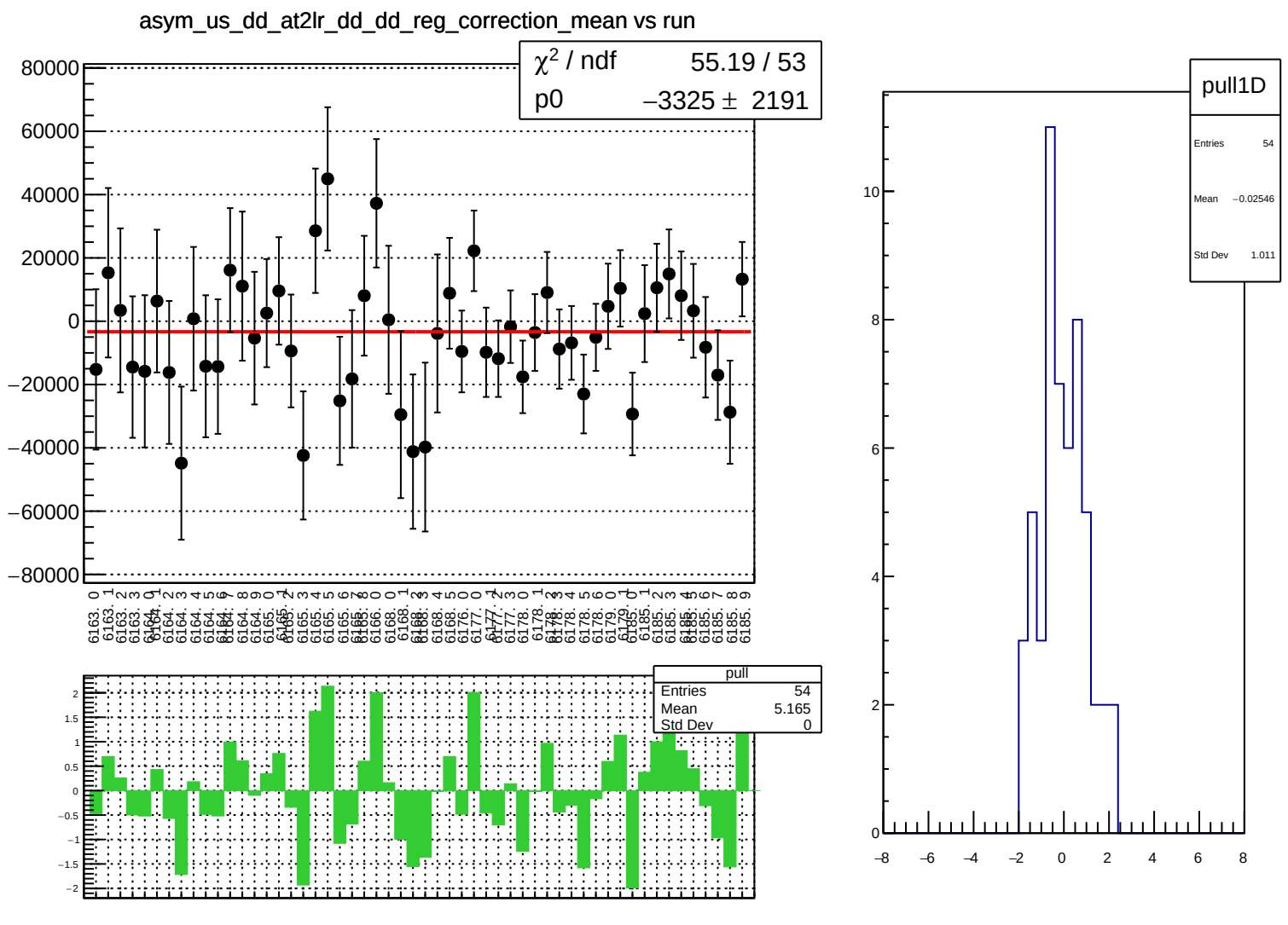

asym_us_dd_at2lr_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 53.46 / 53
p0 −1.248e−13 ± 2.846e−13
pull
Entries 54
Mean 54.36
Std Dev 0
pull1D
Entries 54
Mean −0.05754
Std Dev 0.9934

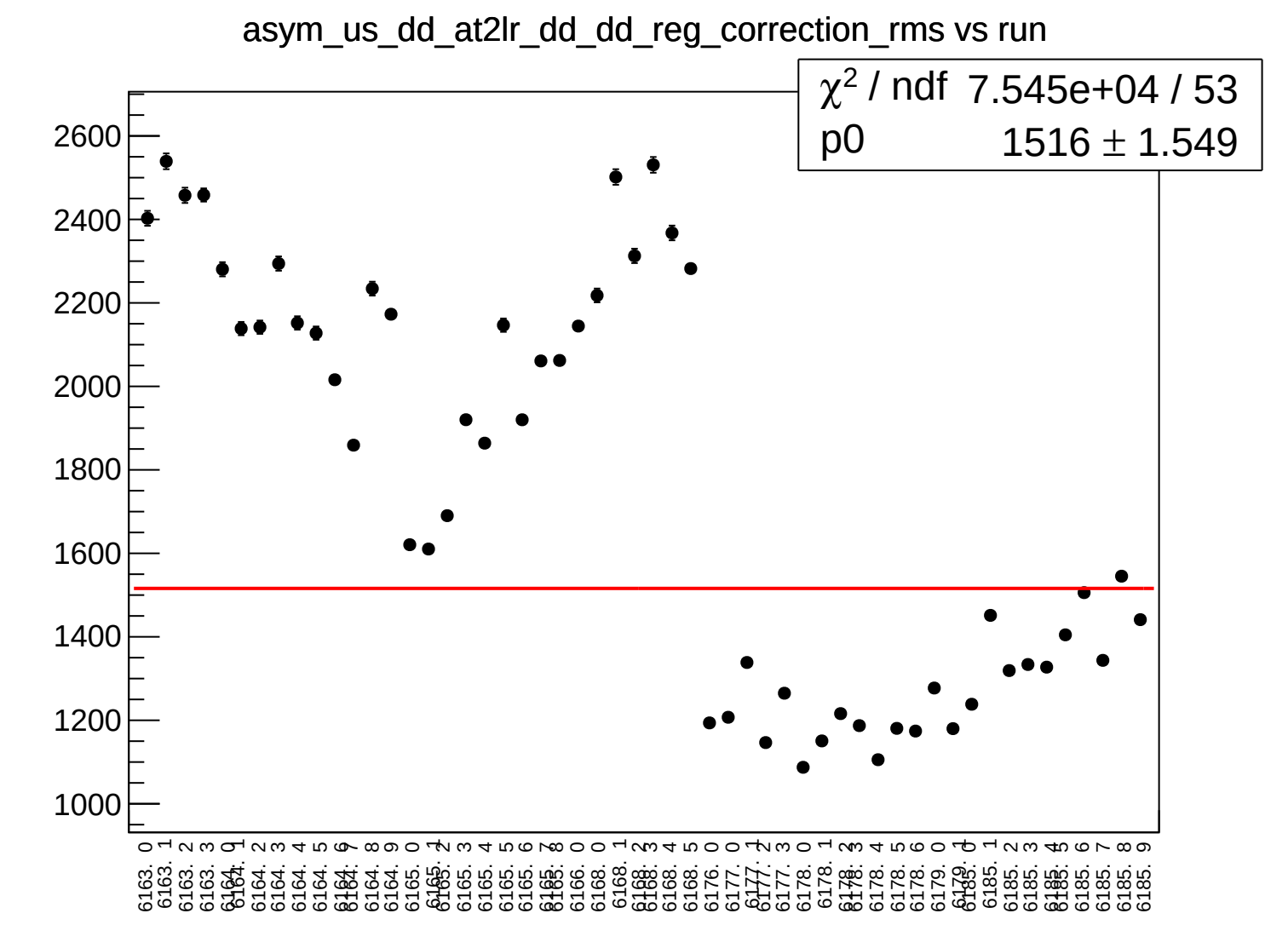

asym_us_dd_at2lr_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.983e+05 / 53
p0 1.471e−10 ± 2.012e−13
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

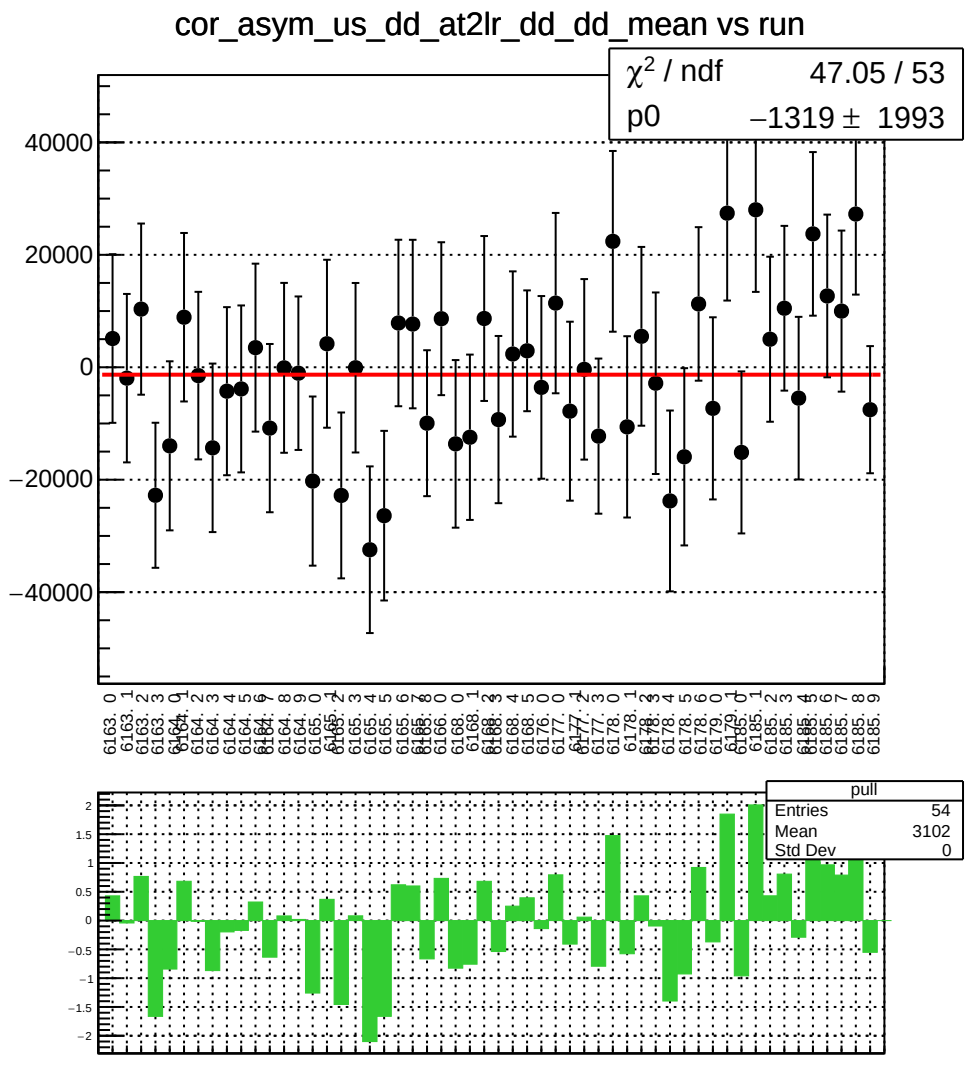

reg_asym_us_dd_at2lr_dd_dd_mean vs run
χ² / ndf 47.05 / 53
p0 −1319 ± 1993
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 3100
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

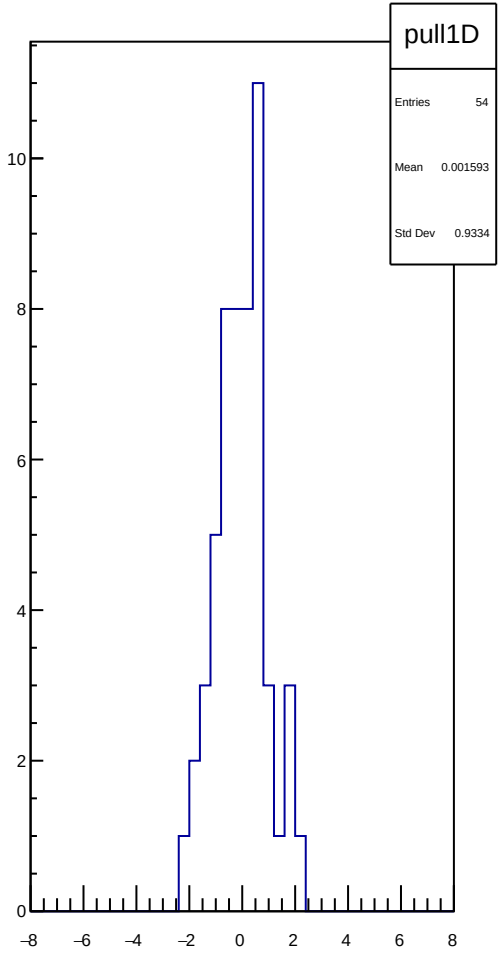

pull1D
Entries 54
Mean 0.001595
Std Dev 0.9335
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

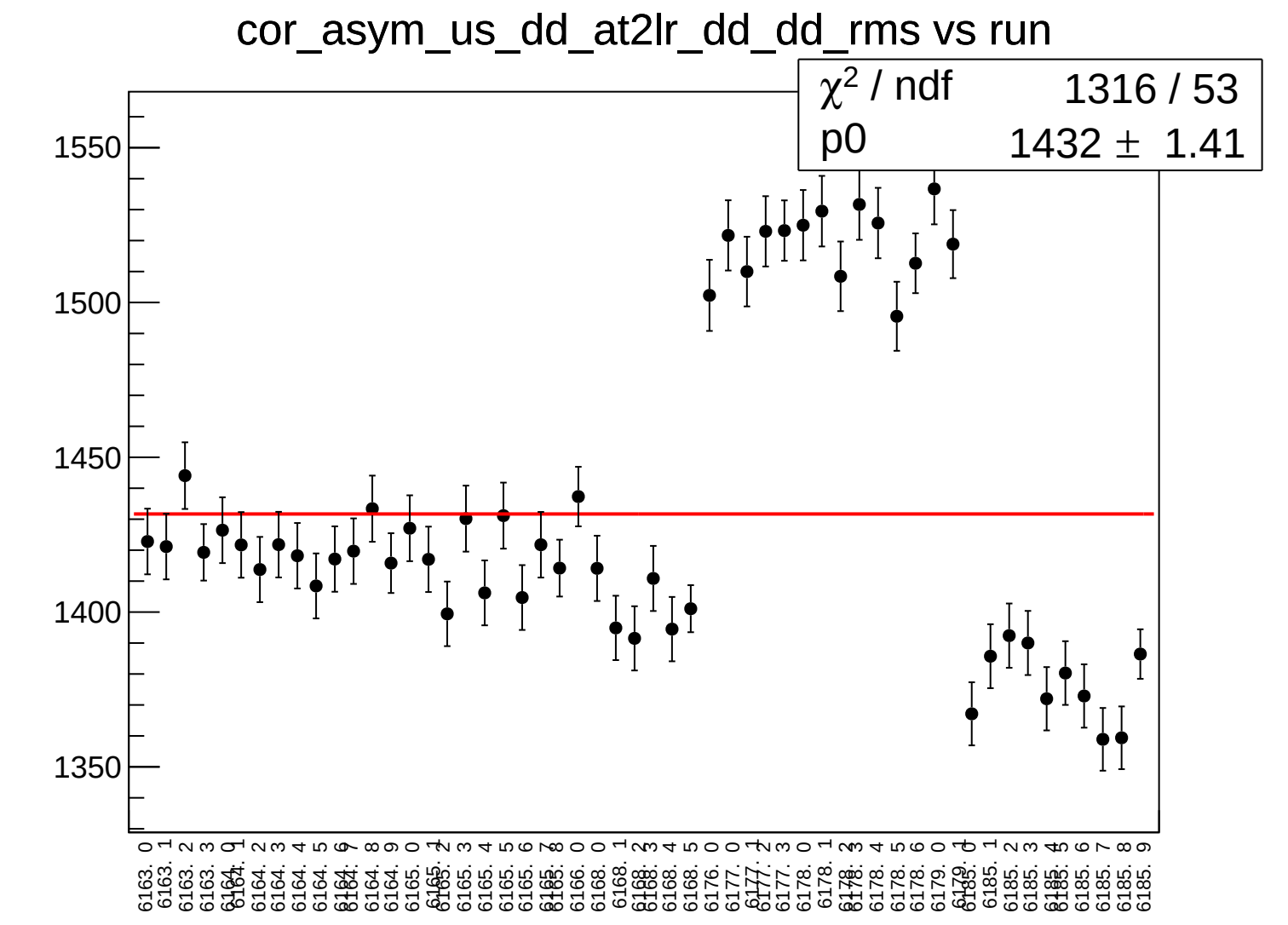

reg_asym_us_dd_at2lr_dd_dd_rms vs run
χ² / ndf 1316 / 53
p0 1432 ± 1.41
1550
1500
1450
1400
1350
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

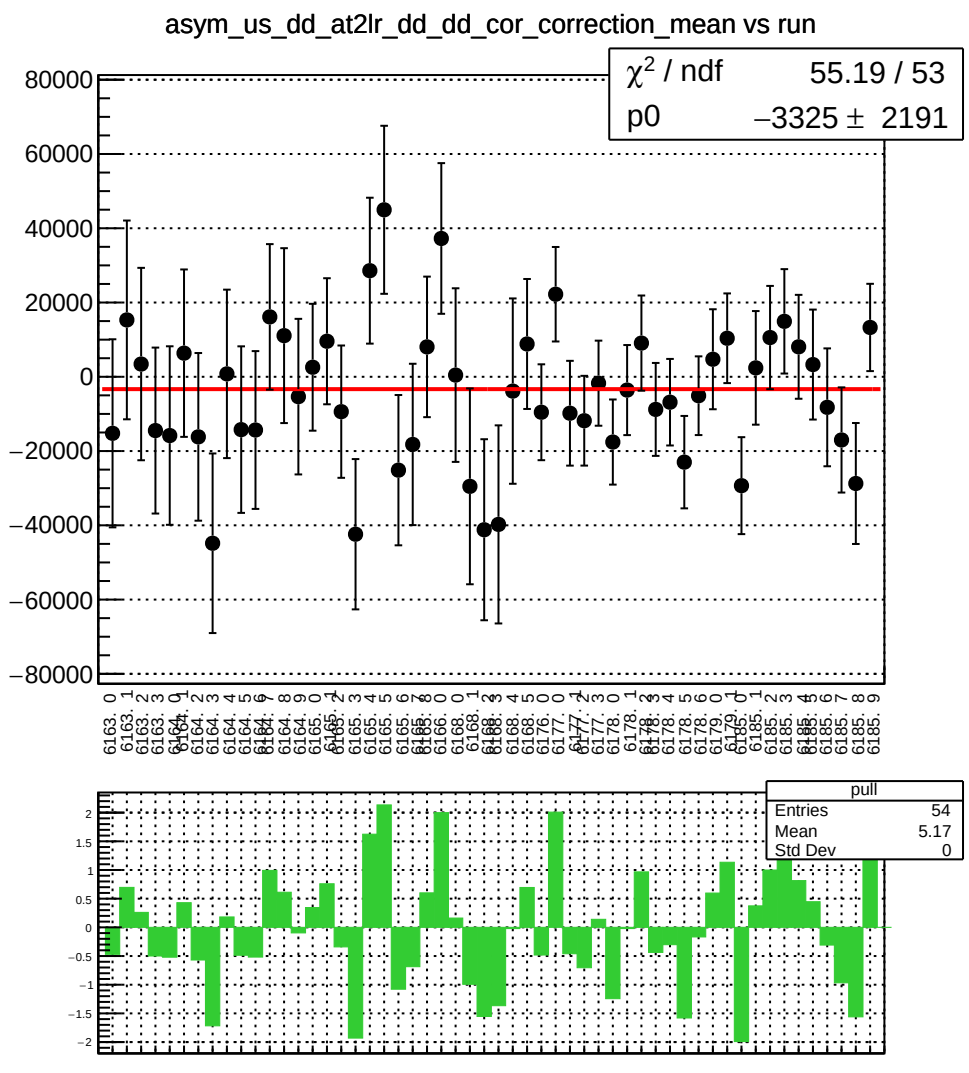

asym_us_dd_at2lr_dd_dd_reg_correction_mean vs run
χ² / ndf 55.19 / 53
p0 −3325 ± 2191
pull
Entries 54
Mean 5.165
Std Dev 0
pull1D
Entries 54
Mean −0.02546
Std Dev 1.011

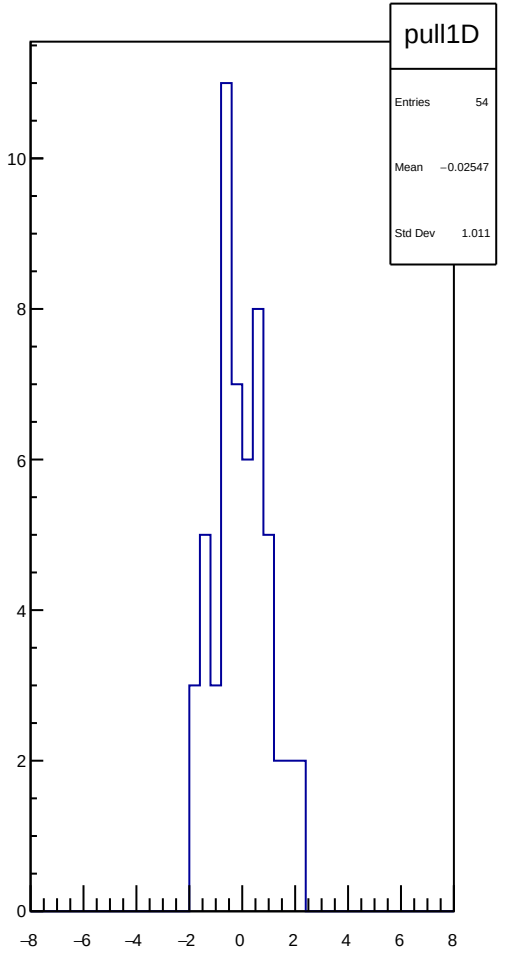

asym_us_dd_at2lr_dd_dd_reg_correction_rms vs run
χ² / ndf 7.545e+04 / 53
p0 1516 ± 1.549
2600
2400
2200
2000
1800
1600
1400
1200
1000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

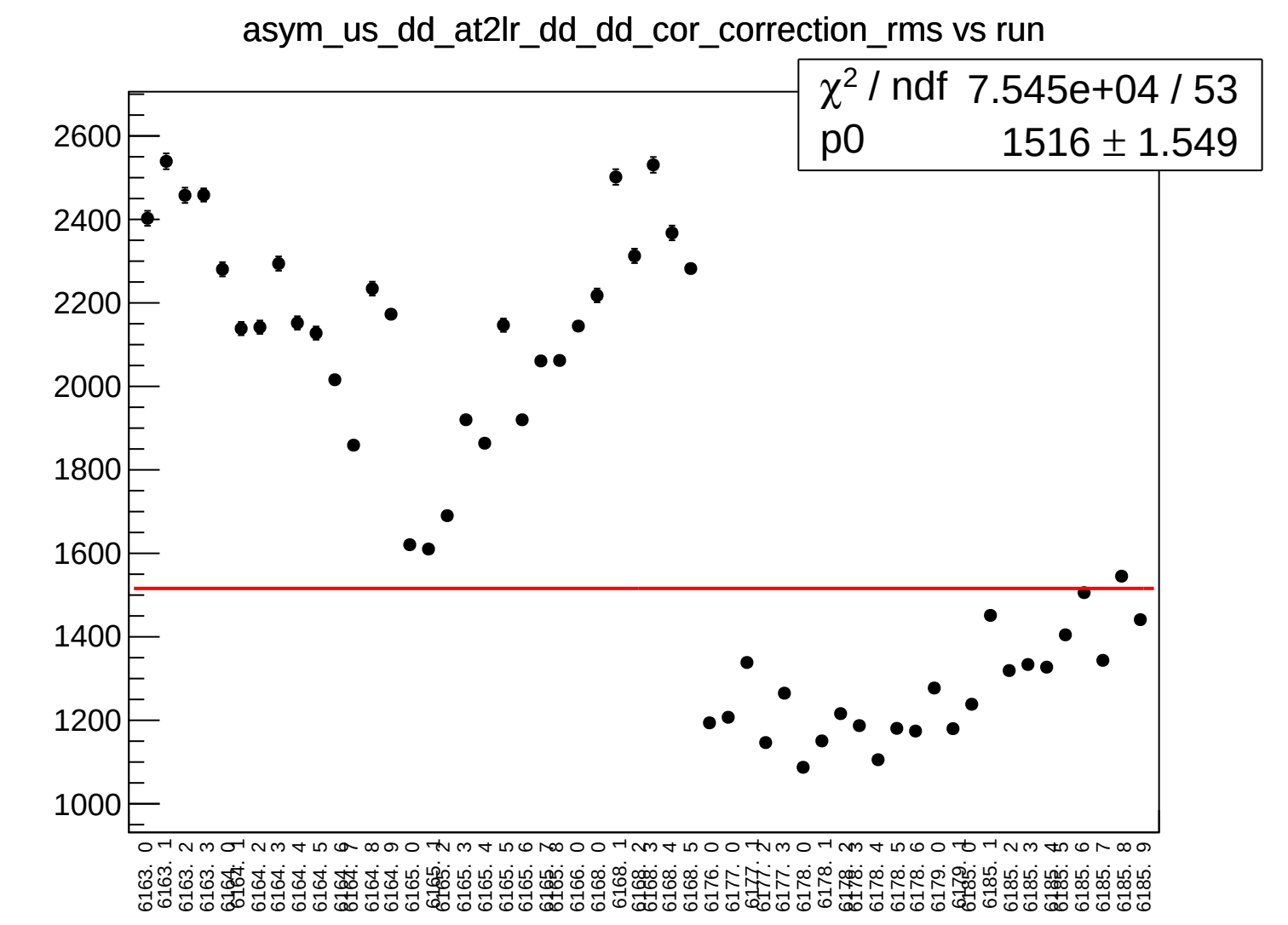

cor_asym_us_dd_at2lr_dd_dd_mean vs run
χ² / ndf 47.05 / 53
p0 −1319 ± 1993
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 3102
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

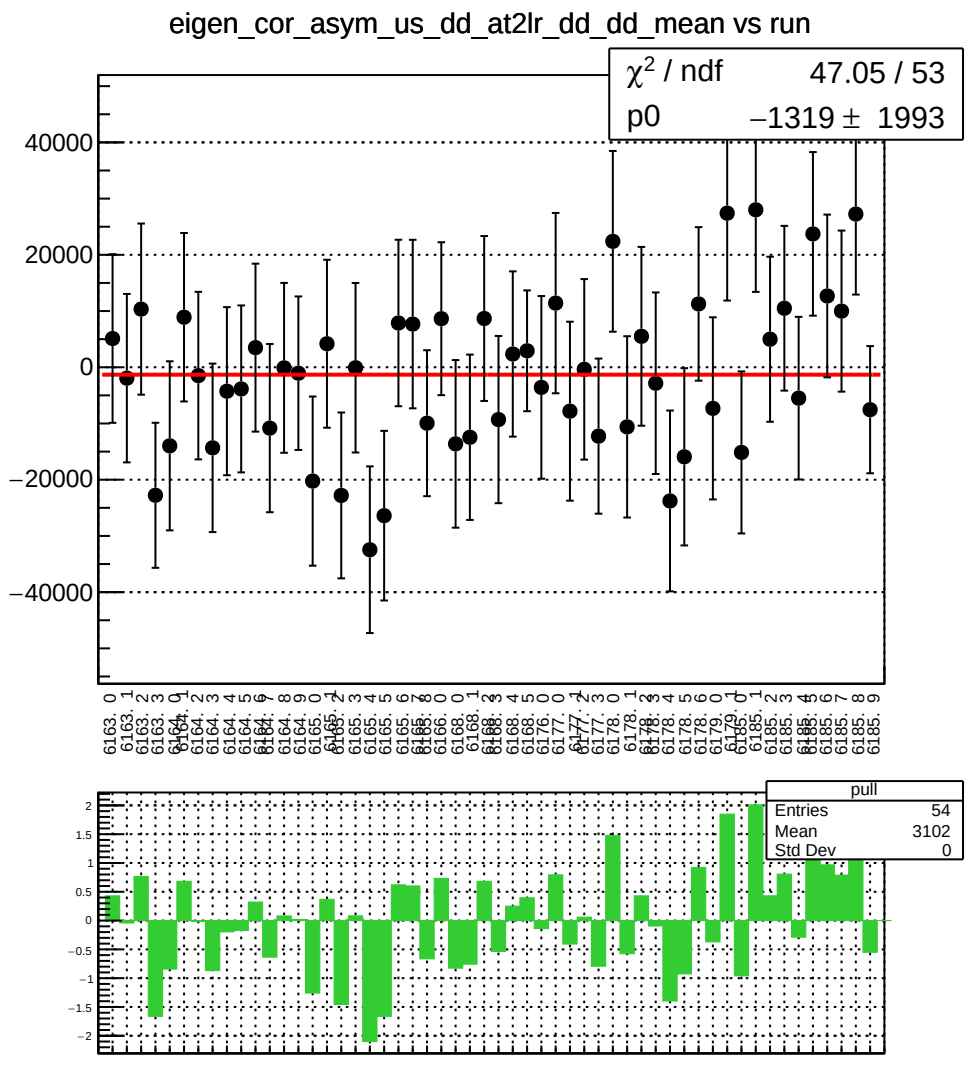

pull1D
Entries 54
Mean 0.001593
Std Dev 0.9334
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

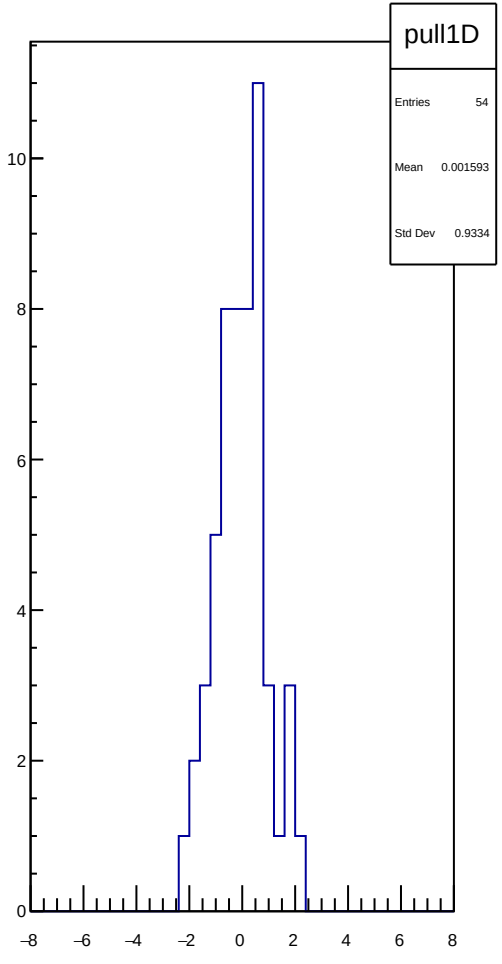

cor_asym_us_dd_at2lr_dd_dd_rms vs run
χ² / ndf 1316 / 53
p0 1432 ± 1.41
1550
1500
1450
1400
1350
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

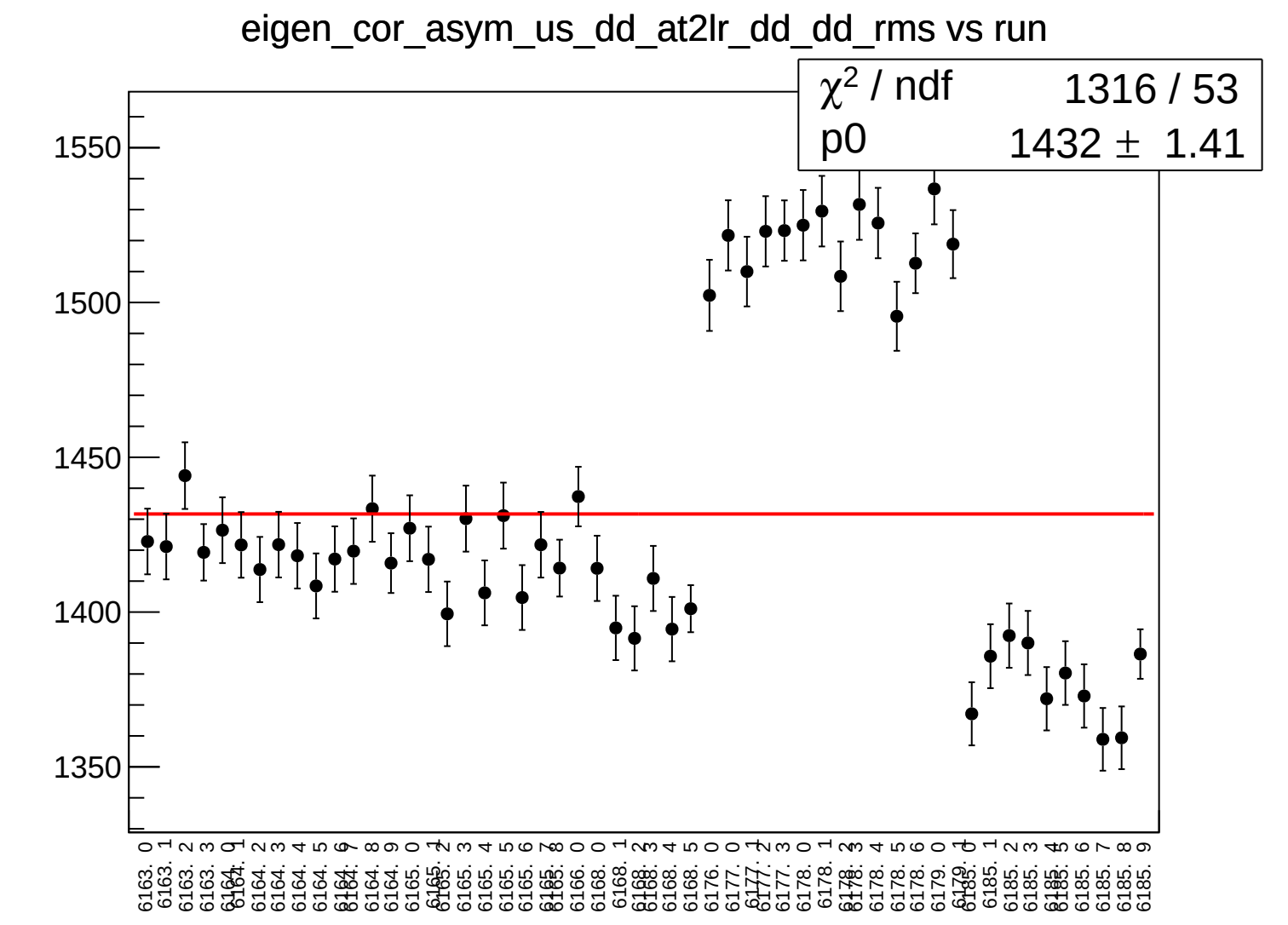

asym_us_dd_at2lr_dd_dd_cor_correction_mean vs run
χ² / ndf 55.19 / 53
p0 −3325 ± 2191
pull
Entries 54
Mean 5.17
Std Dev 0

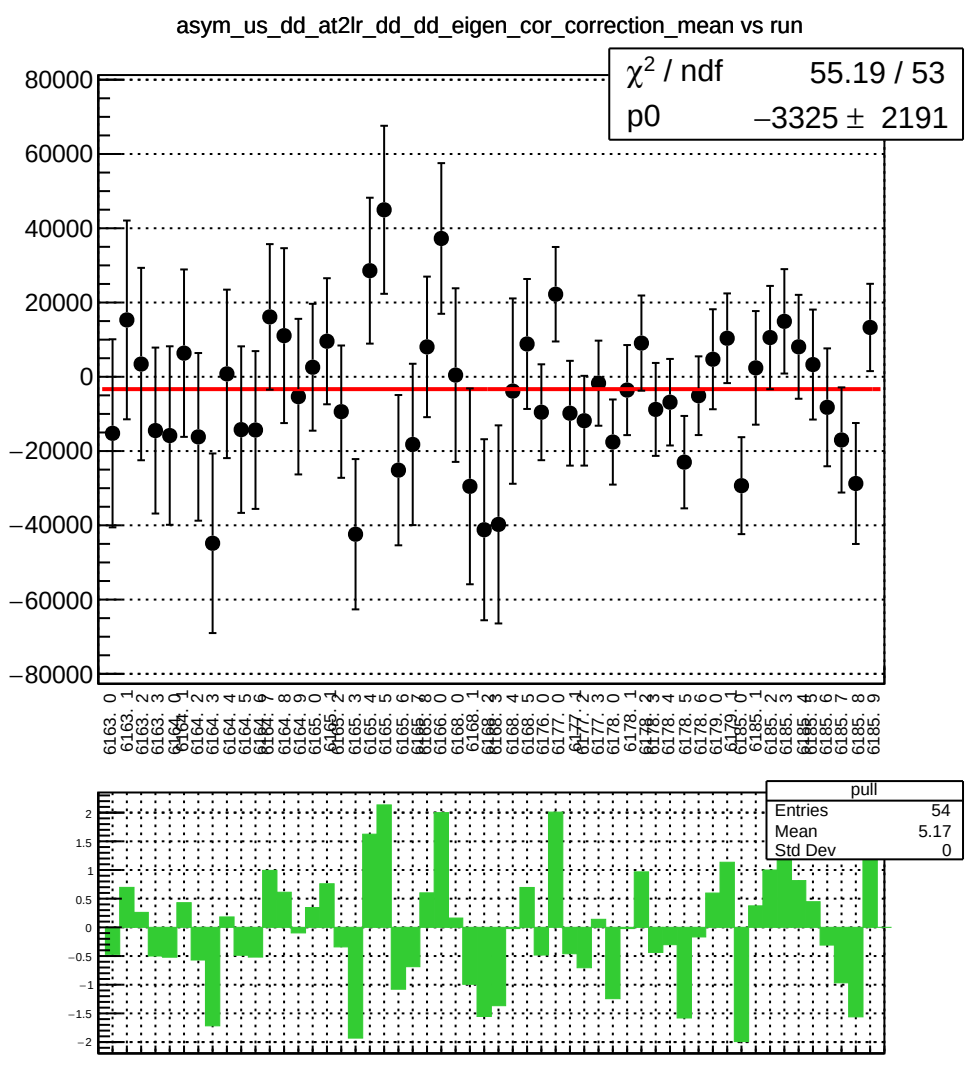

pull1D
Entries 54
Mean −0.02547
Std Dev 1.011

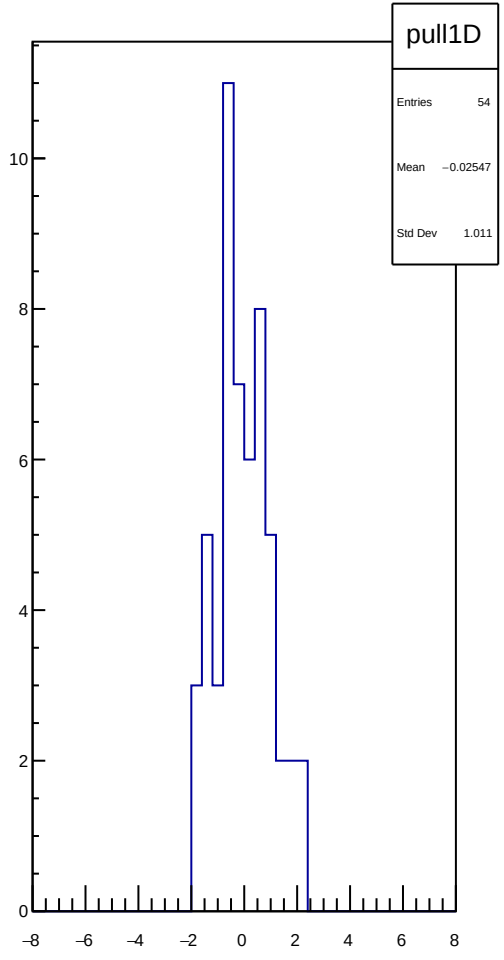

asym_us_dd_at2lr_dd_dd_cor_correction_rms vs run
χ² / ndf 7.545e+04 / 53
p0 1516 ± 1.549
2600
2400
2200
2000
1800
1600
1400
1200
1000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

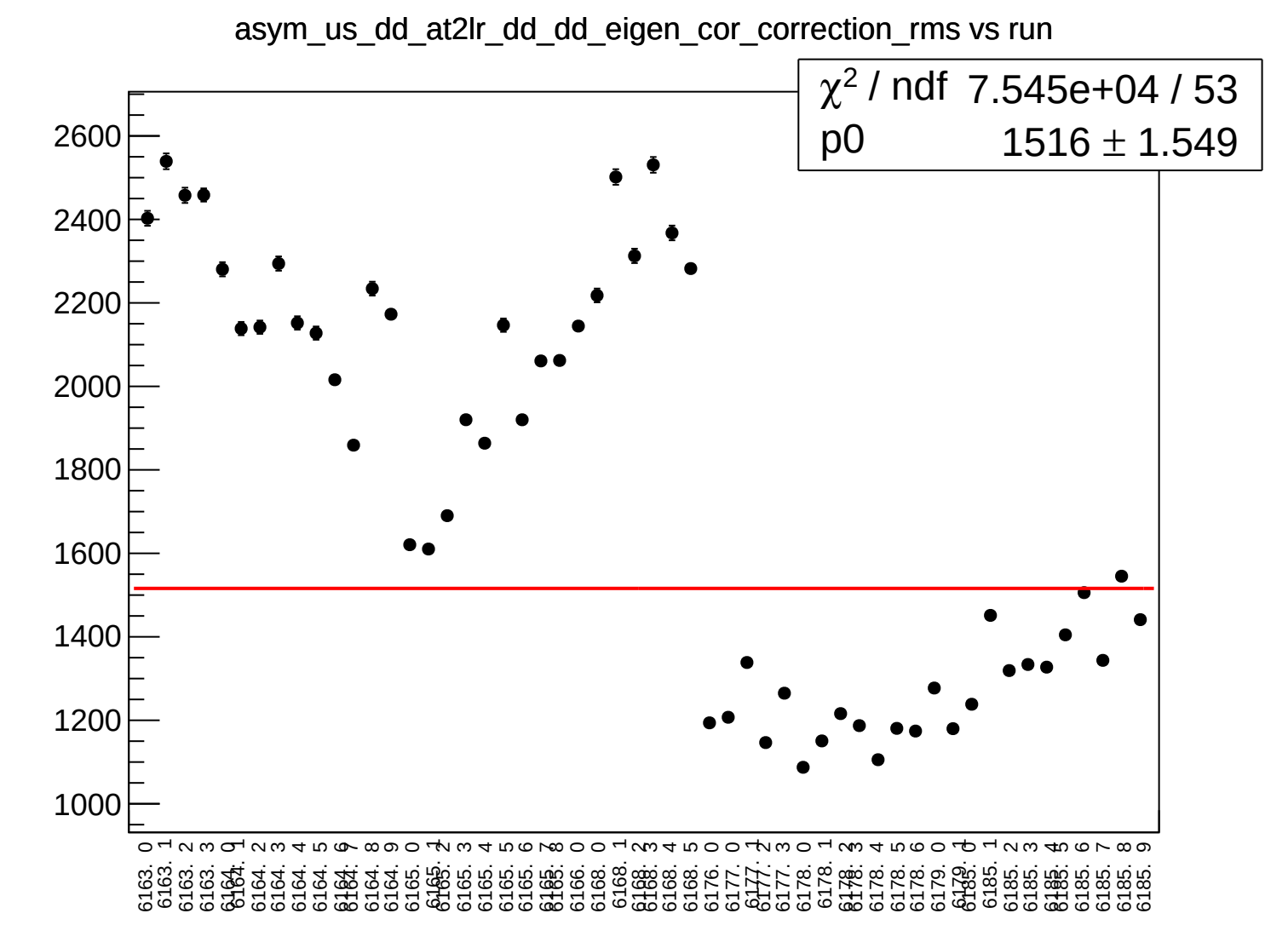

eigen_cor_asym_us_dd_at2lr_dd_dd_mean vs run
χ² / ndf 47.05 / 53
p0 −1319 ± 1993
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 3102
Std Dev 0

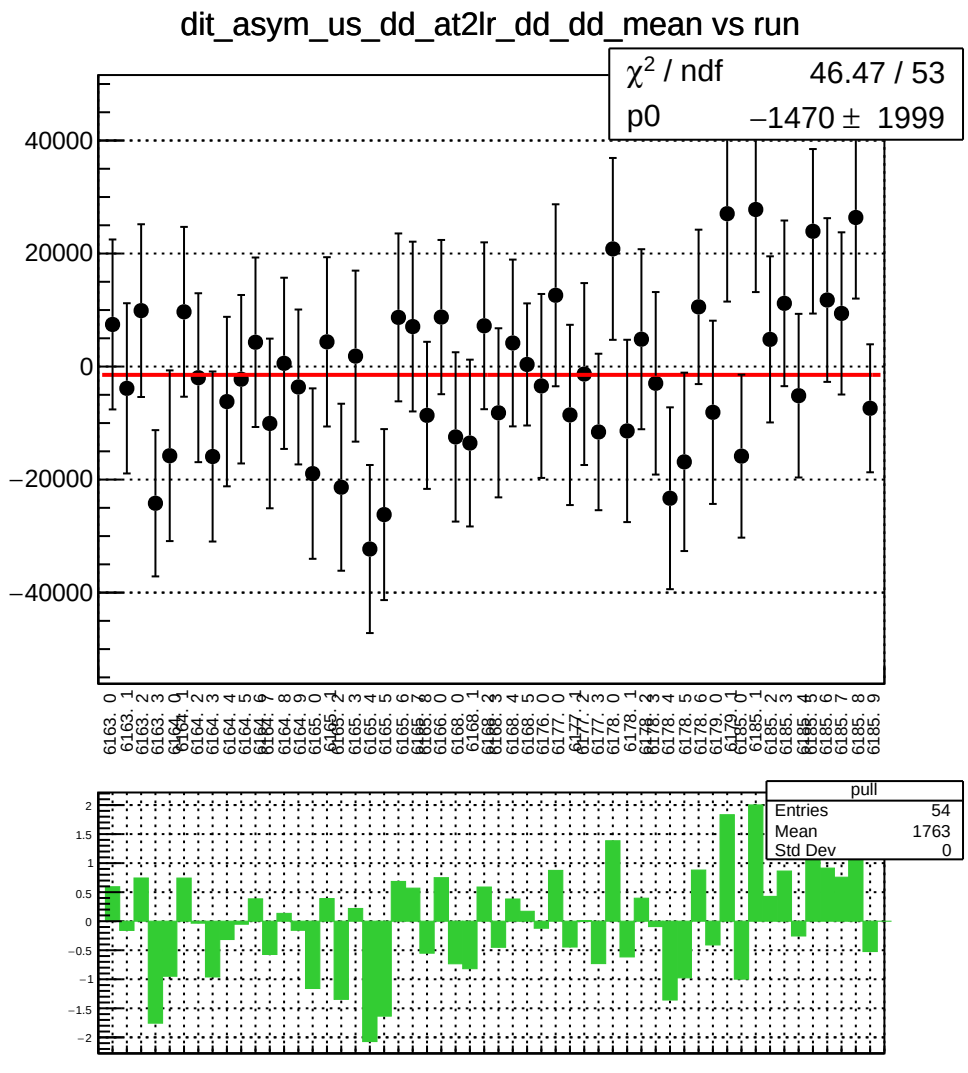

pull1D
Entries 54
Mean 0.001593
Std Dev 0.9334

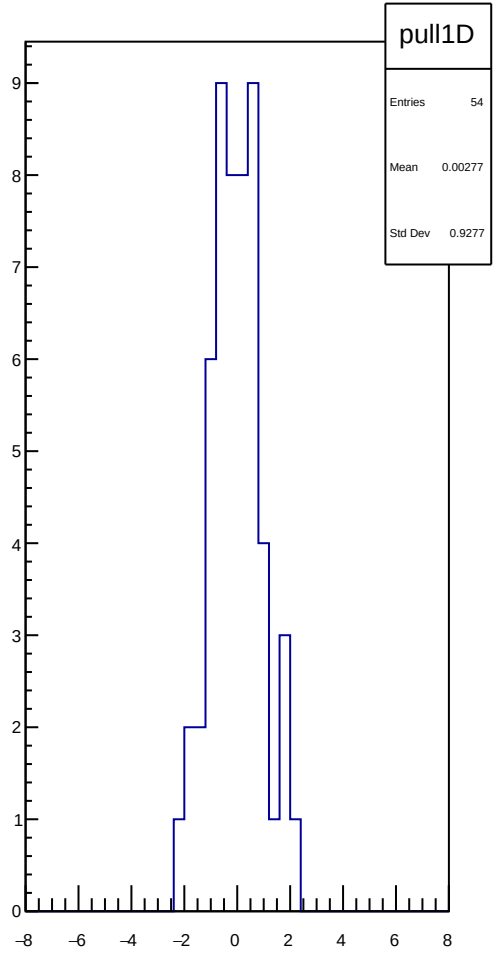

eigen_cor_asym_us_dd_at2lr_dd_dd_rms vs run
χ² / ndf 1316 / 53
p0 1432 ± 1.41
1550
1500
1450
1400
1350
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

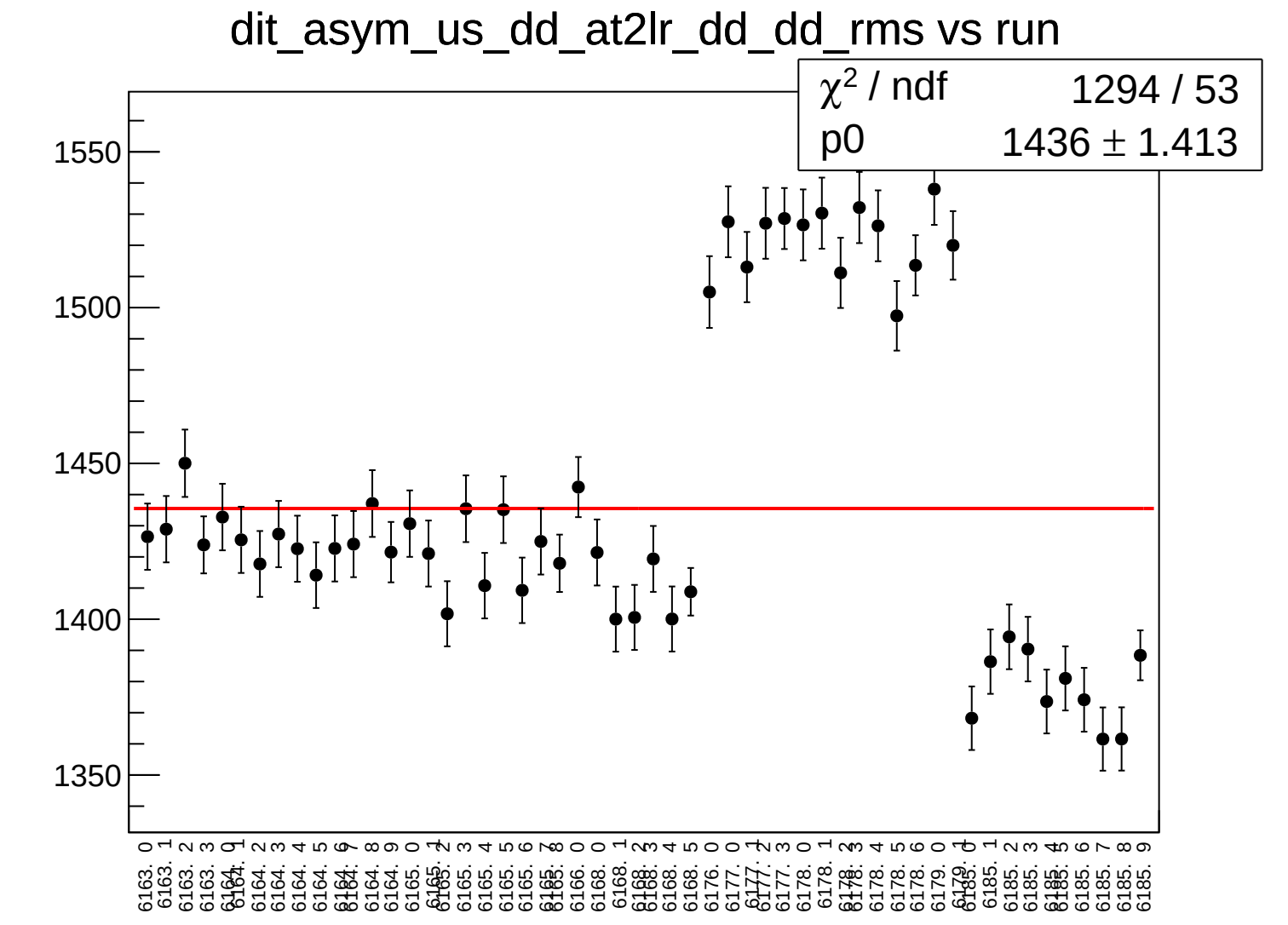

asym_us_dd_at2lr_dd_dd_eigen_cor_correction_mean vs run
χ² / ndf 55.19 / 53
p0 −3325 ± 2191
pull
Entries 54
Mean 5.17
Std Dev 0

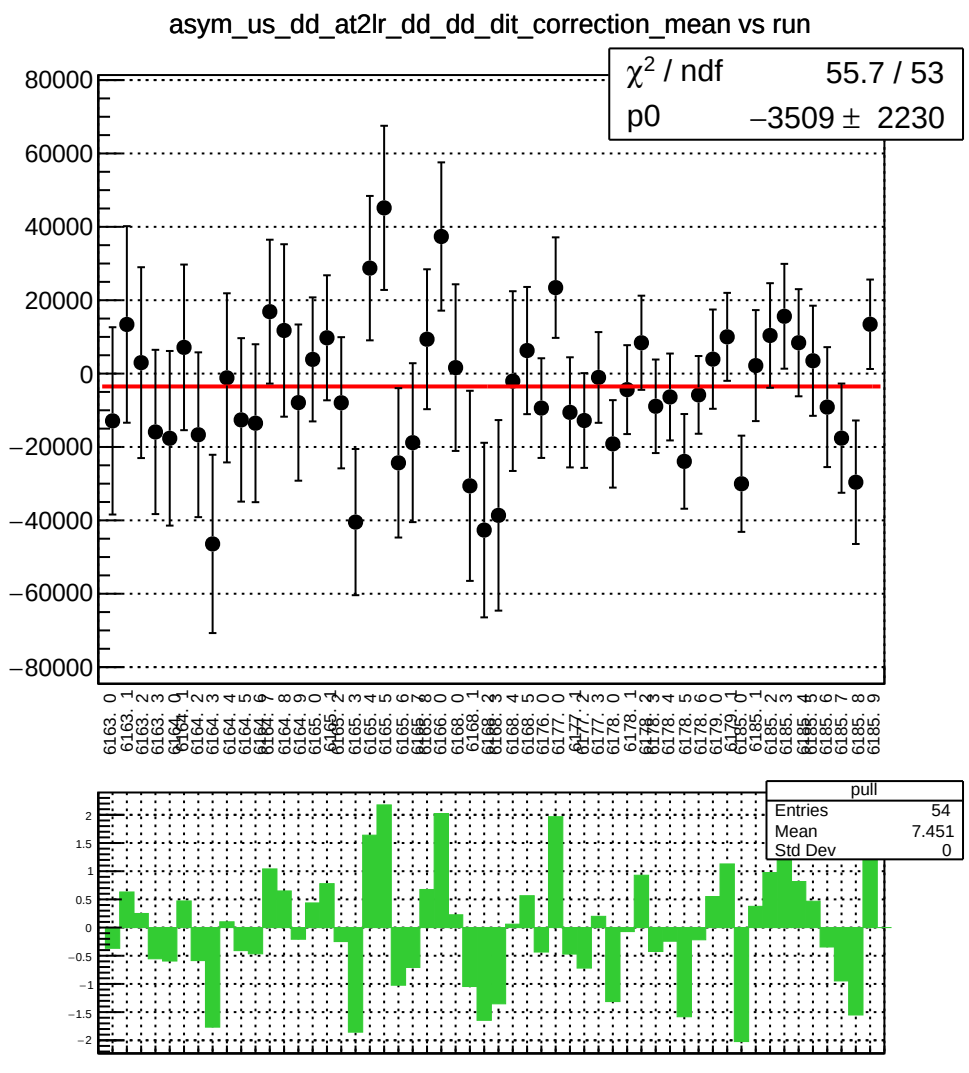

pull1D
Entries 54
Mean −0.02547
Std Dev 1.011

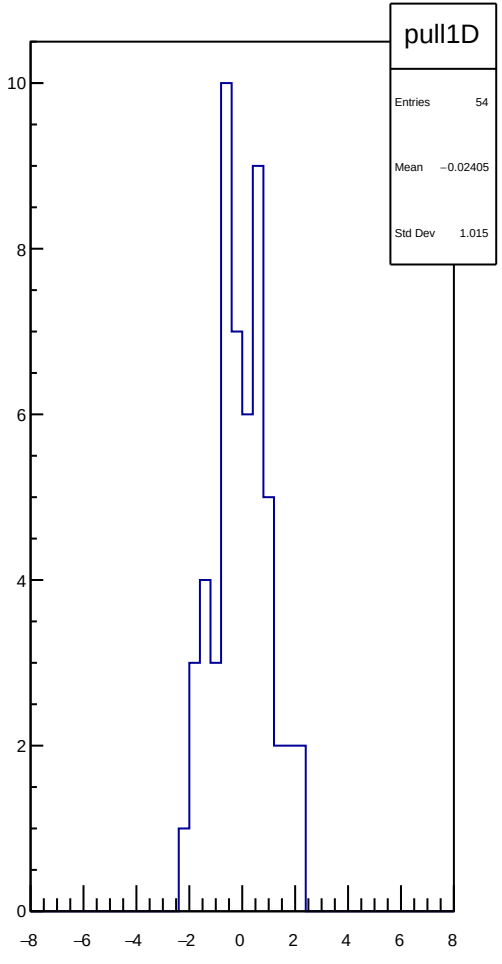

asym_us_dd_at2lr_dd_dd_eigen_cor_correction_rms vs run
χ² / ndf 7.545e+04 / 53
p0 1516 ± 1.549
2600
2400
2200
2000
1800
1600
1400
1200
1000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

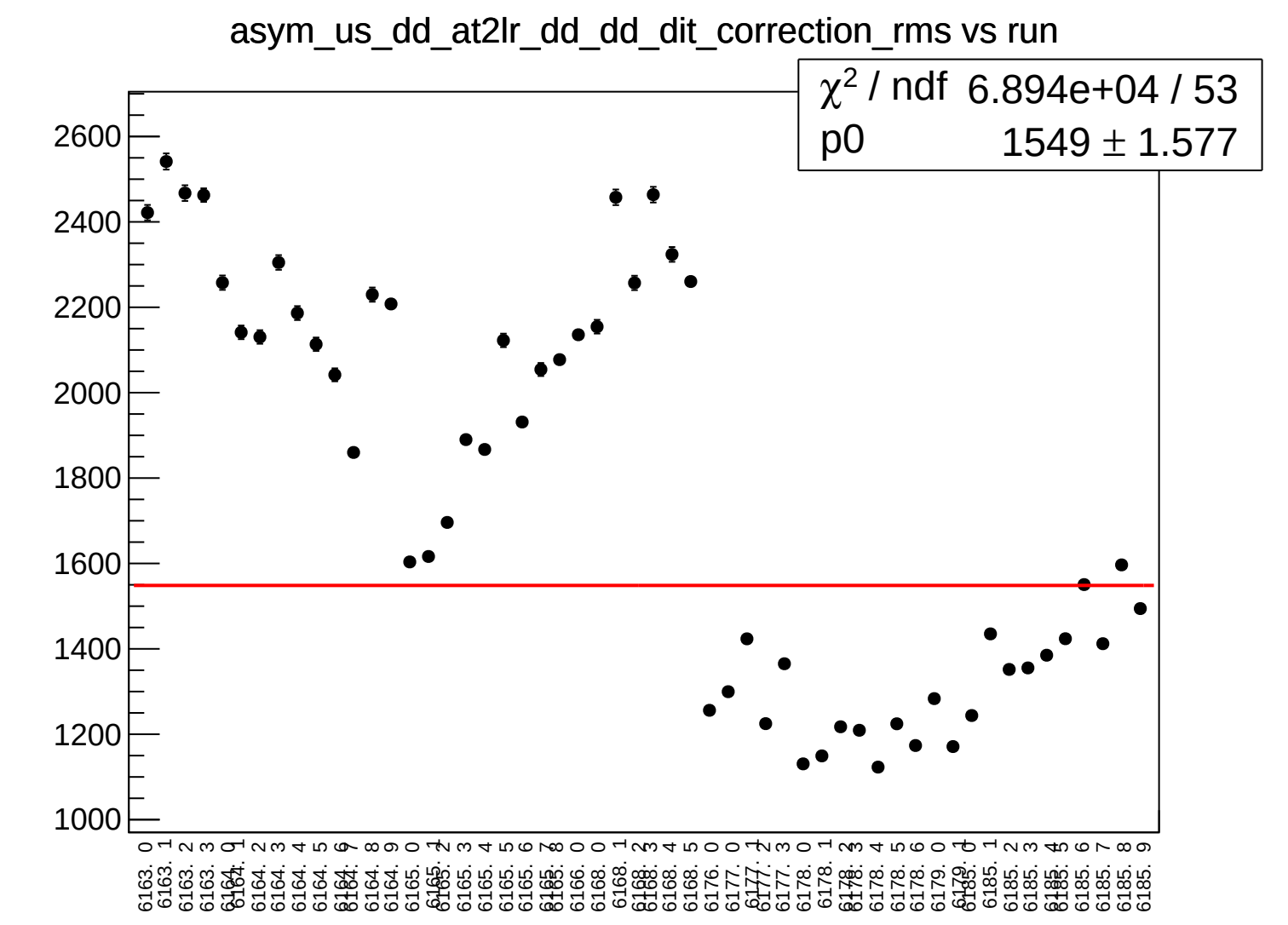

dit_asym_us_dd_at2lr_dd_dd_mean vs run
χ² / ndf 46.47 / 53
p0 −1470 ± 1999
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 1763
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

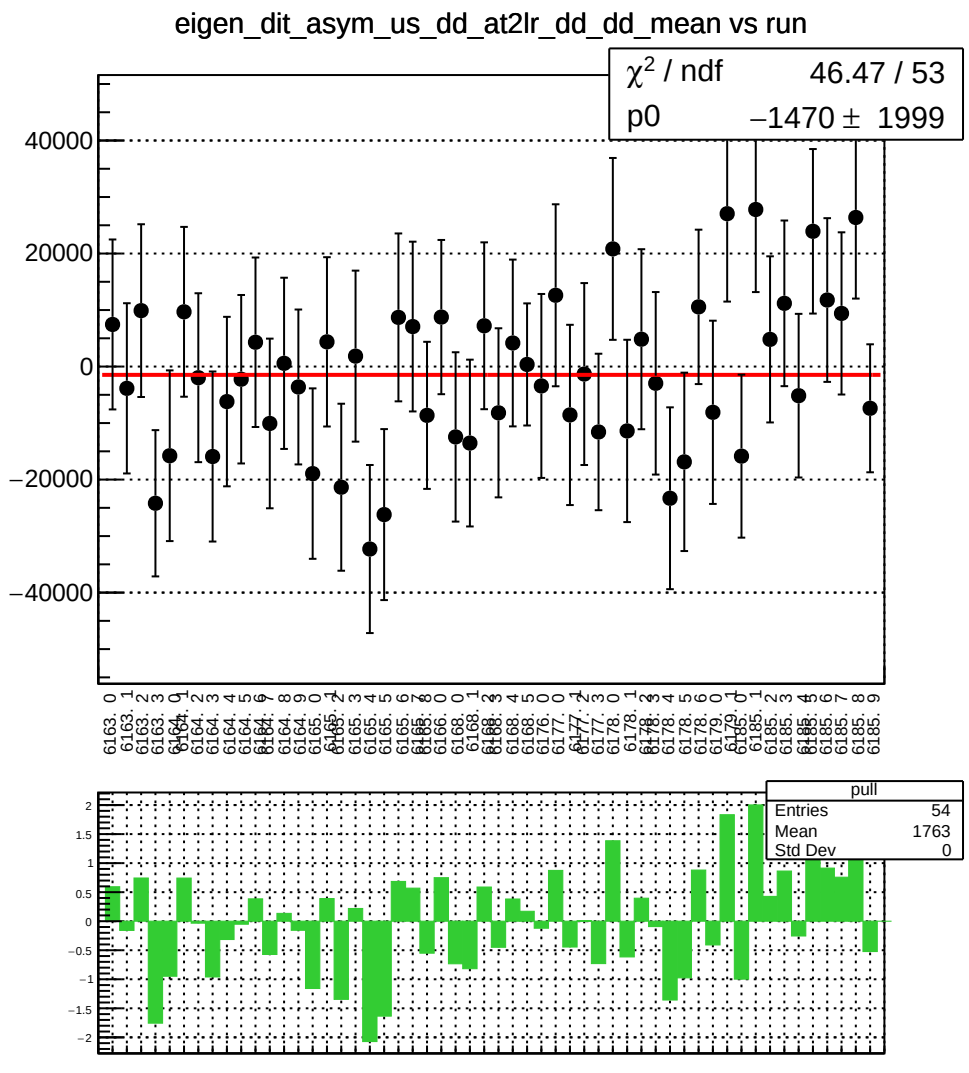

pull1D
Entries 54
Mean 0.00277
Std Dev 0.9277
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

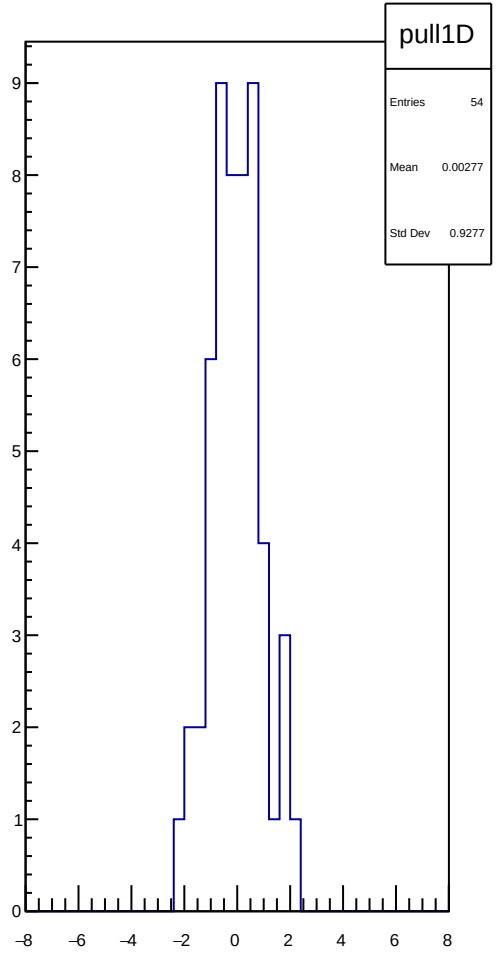

dit_asym_us_dd_at2lr_dd_dd_rms vs run
χ² / ndf 1294 / 53
p0 1436 ± 1.413
1550
1500
1450
1400
1350
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

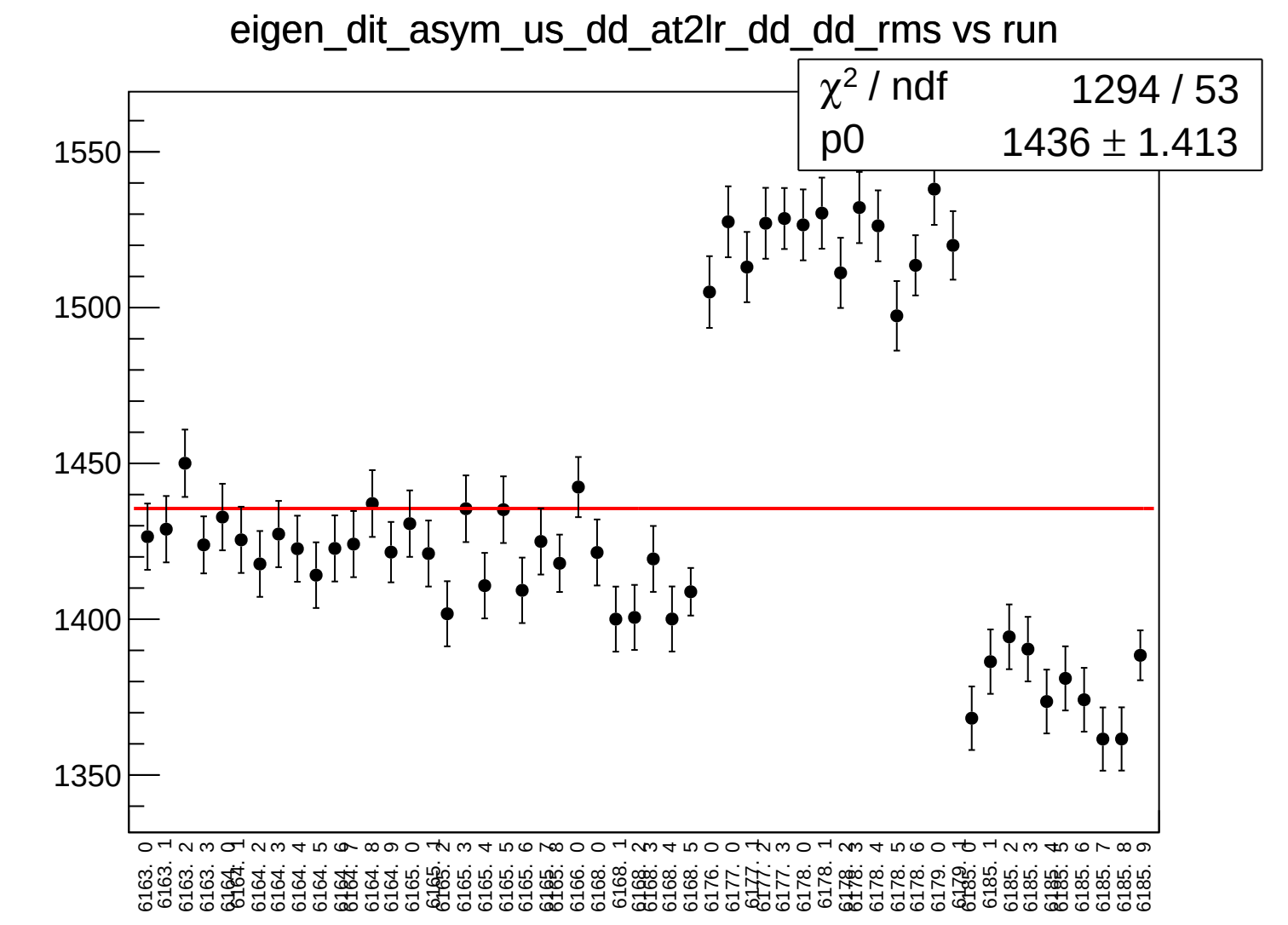

asym_us_dd_at2lr_dd_dd_dit_correction_mean vs run
χ² / ndf 55.7 / 53
p0 −3509 ± 2230
pull
Entries 54
Mean 7.451
Std Dev 0


pull1D
Entries 54
Mean −0.02405
Std Dev 1.015

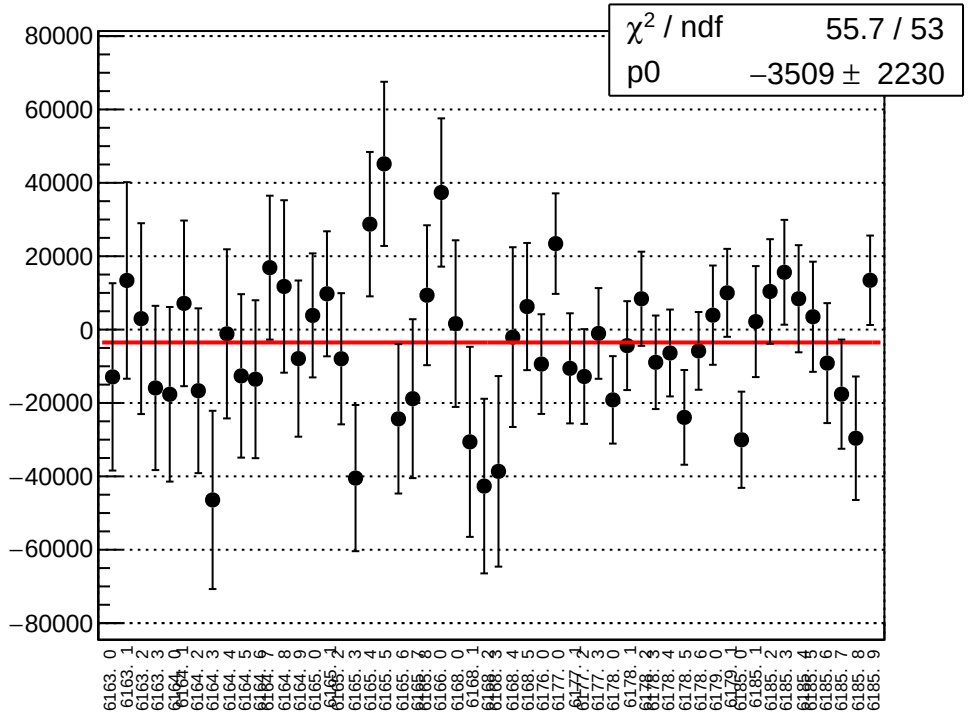

asym_us_dd_at2lr_dd_dd_dit_correction_rms vs run
χ² / ndf 6.894e+04 / 53
p0 1549 ± 1.577
2600
2400
2200
2000
1800
1600
1400
1200
1000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

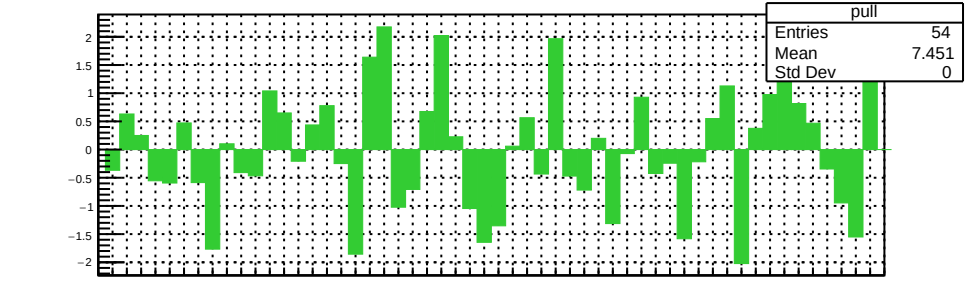

eigen_dit_asym_us_dd_at2lr_dd_dd_mean vs run
χ² / ndf 46.47 / 53
p0 −1470 ± 1999
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 1763
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

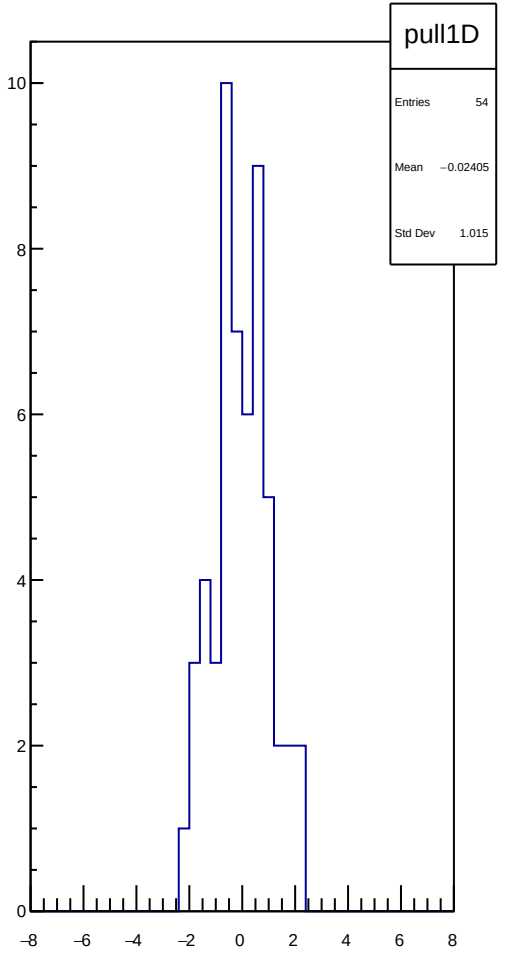

pull1D
Entries 54
Mean 0.00277
Std Dev 0.9277
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

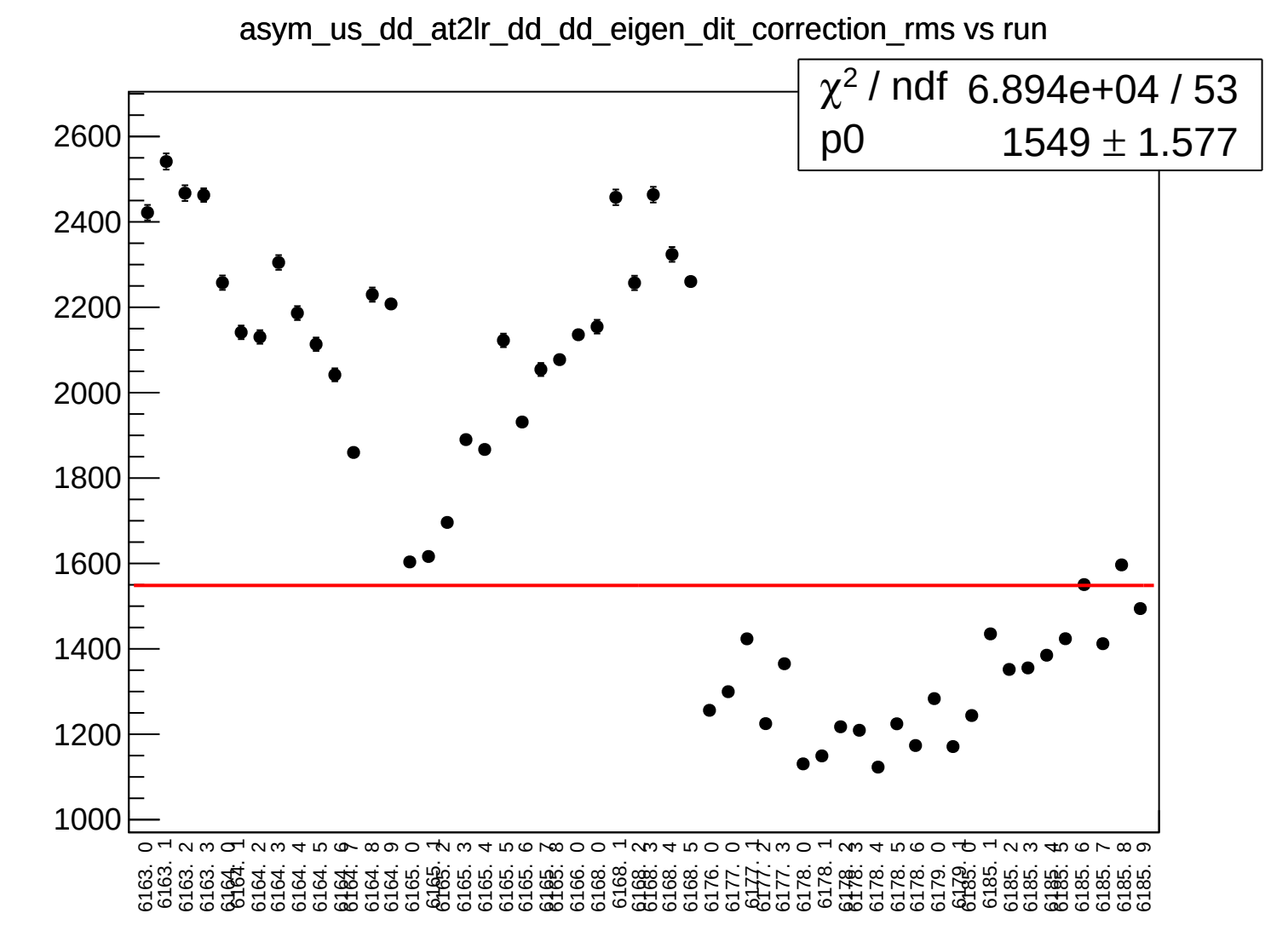

eigen_dit_asym_us_dd_at2lr_dd_dd_rms vs run
χ² / ndf 1294 / 53
p0 1436 ± 1.413
1550
1500
1450
1400
1350
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

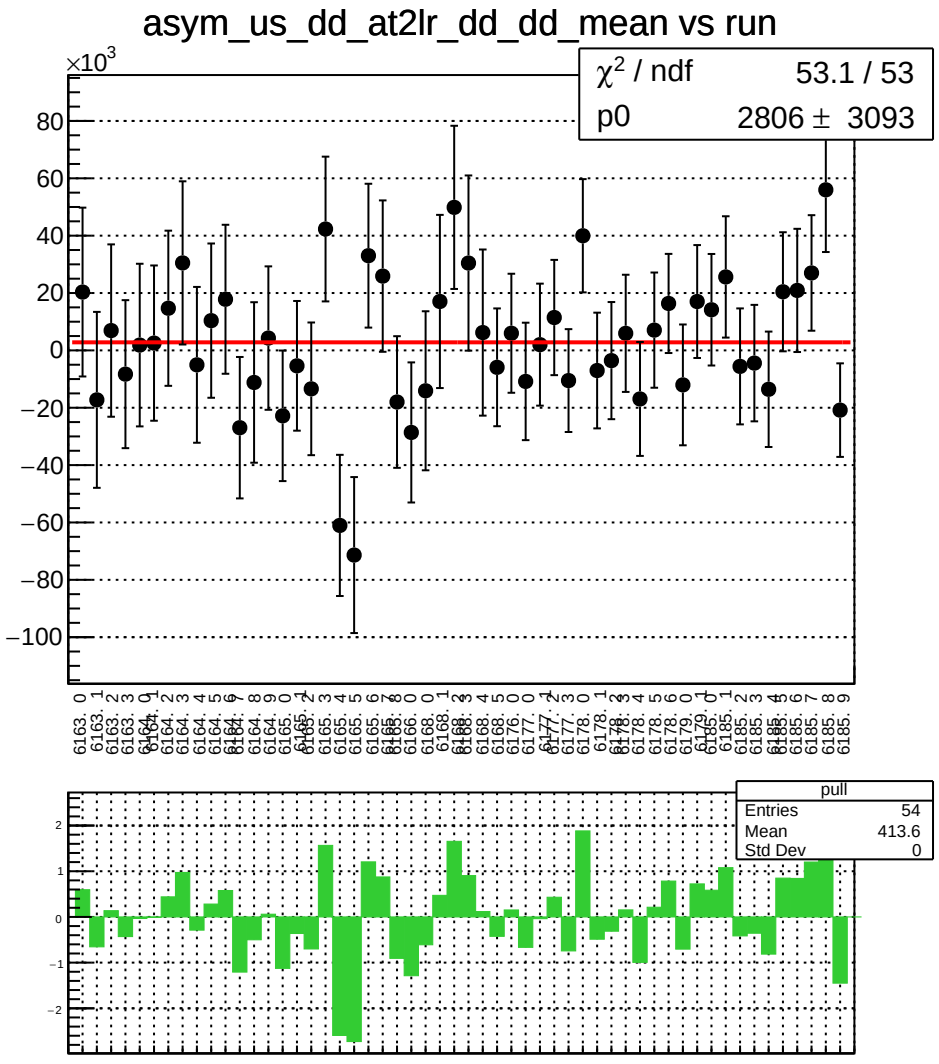
asym_us_dd_at2lr_dd_dd_eigen_dit_correction_mean vs run

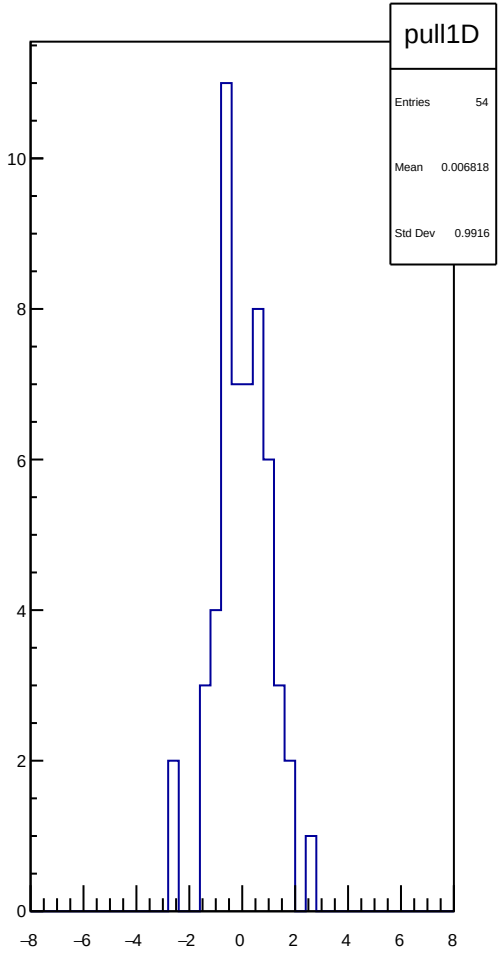


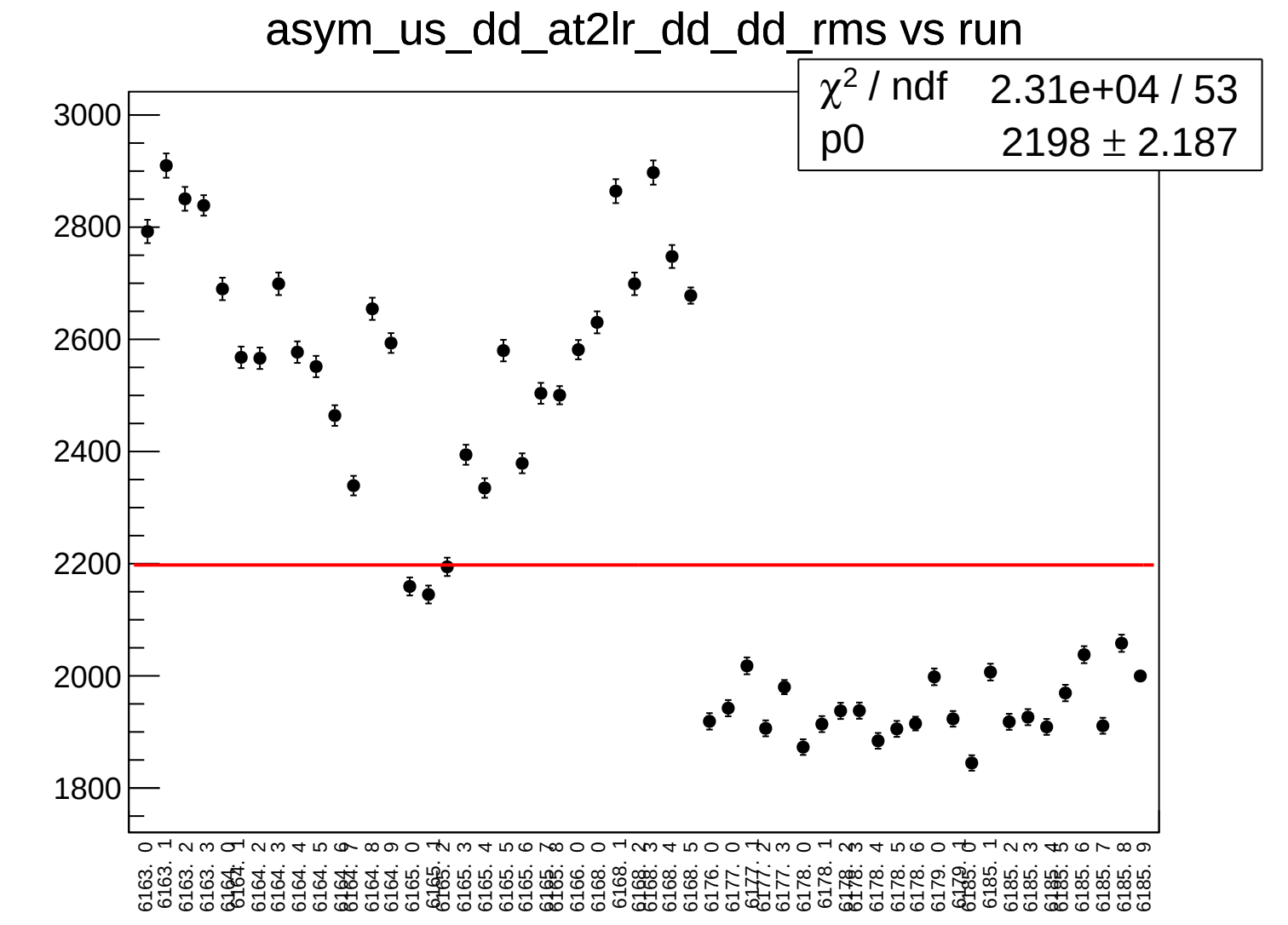


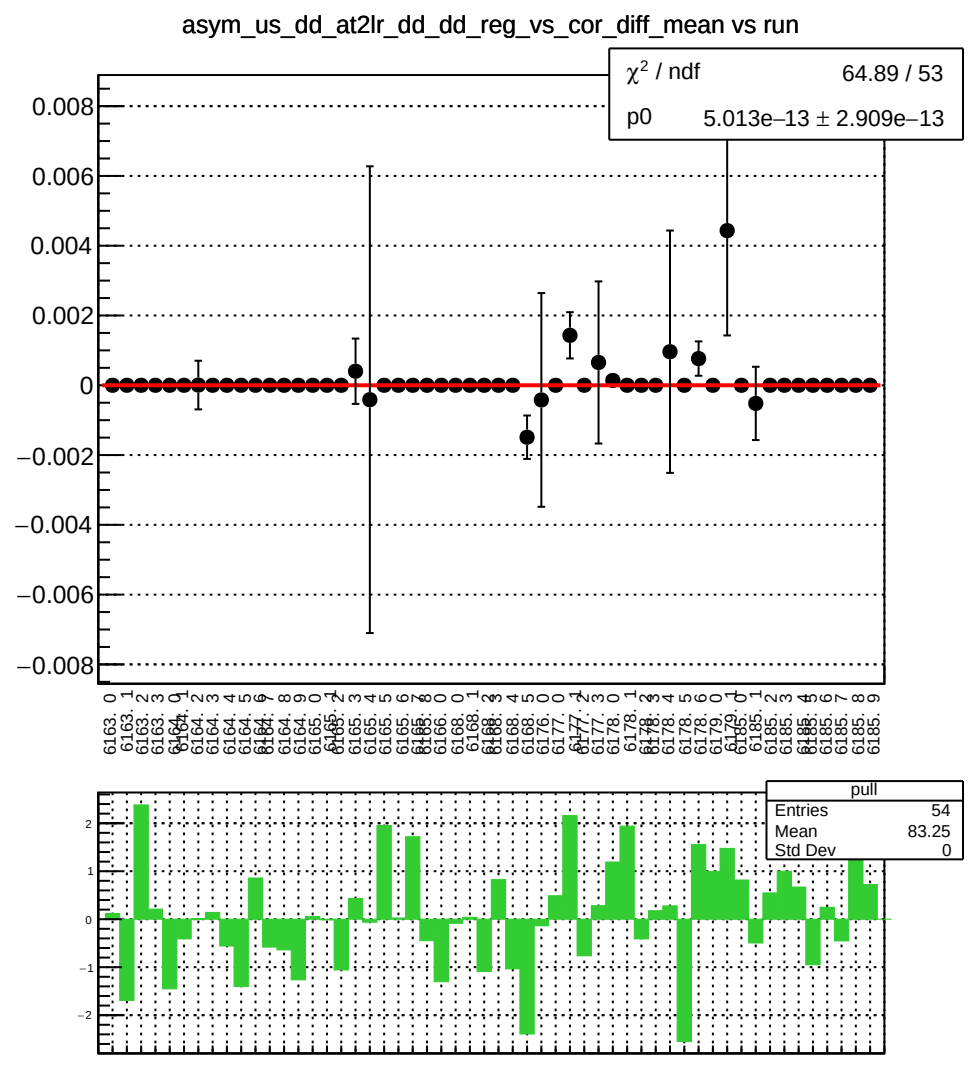


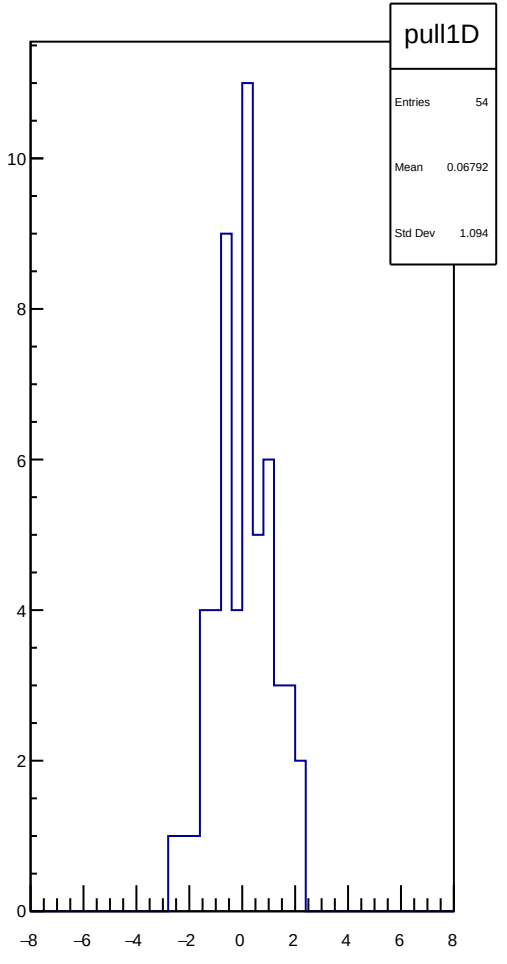

asym_us_dd_at2lr_dd_dd_eigen_dit_correction_rms vs run
χ² / ndf 6.894e+04 / 53
p0 1549 ± 1.577
2600
2400
2200
2000
1800
1600
1400
1200
1000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

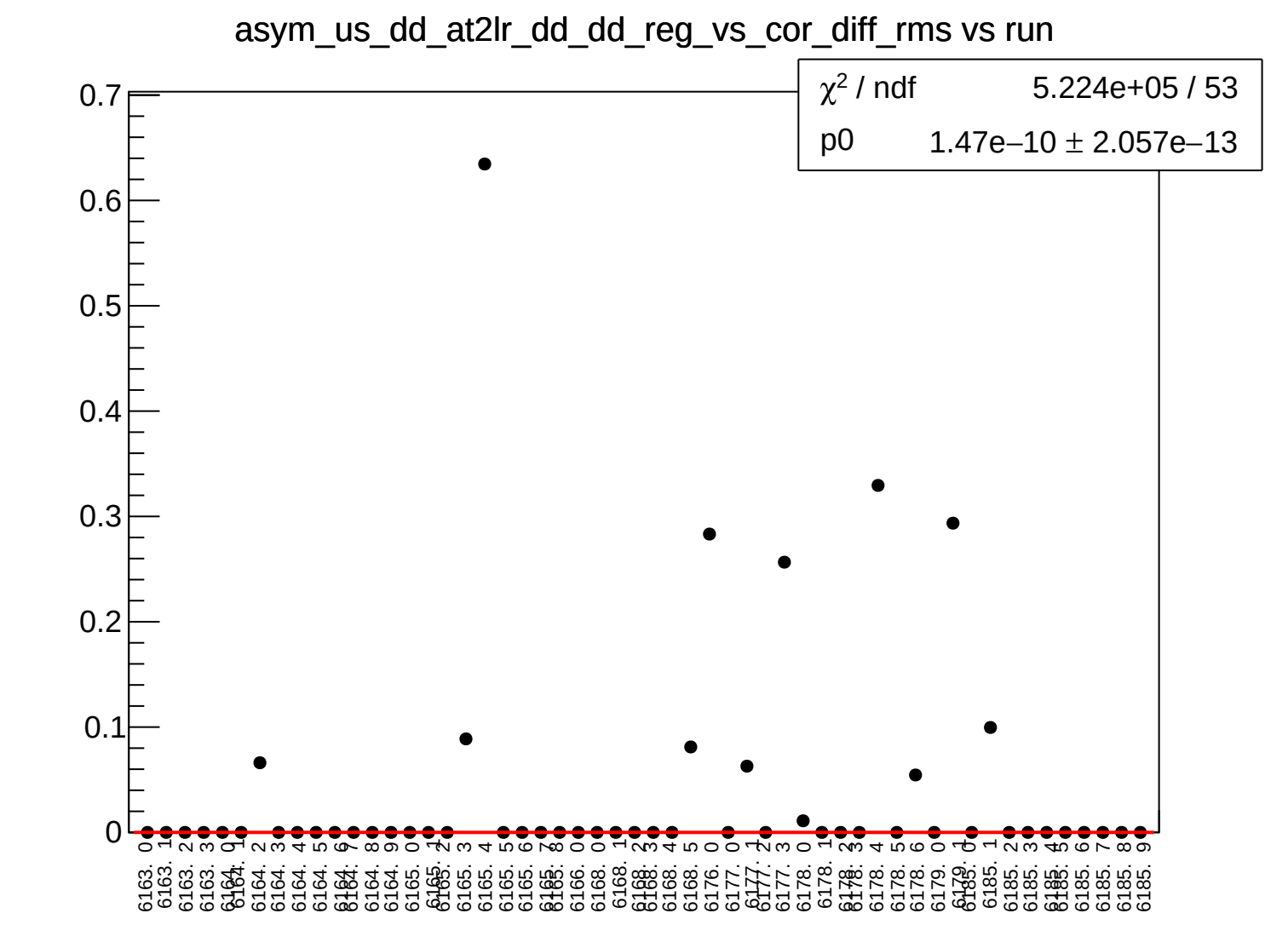

asym_us_dd_at2lr_dd_dd_mean vs run
χ² / ndf 53.1 / 53
p0 2806 ± 3093
pull
Entries 54
Mean 413.6
Std Dev 0

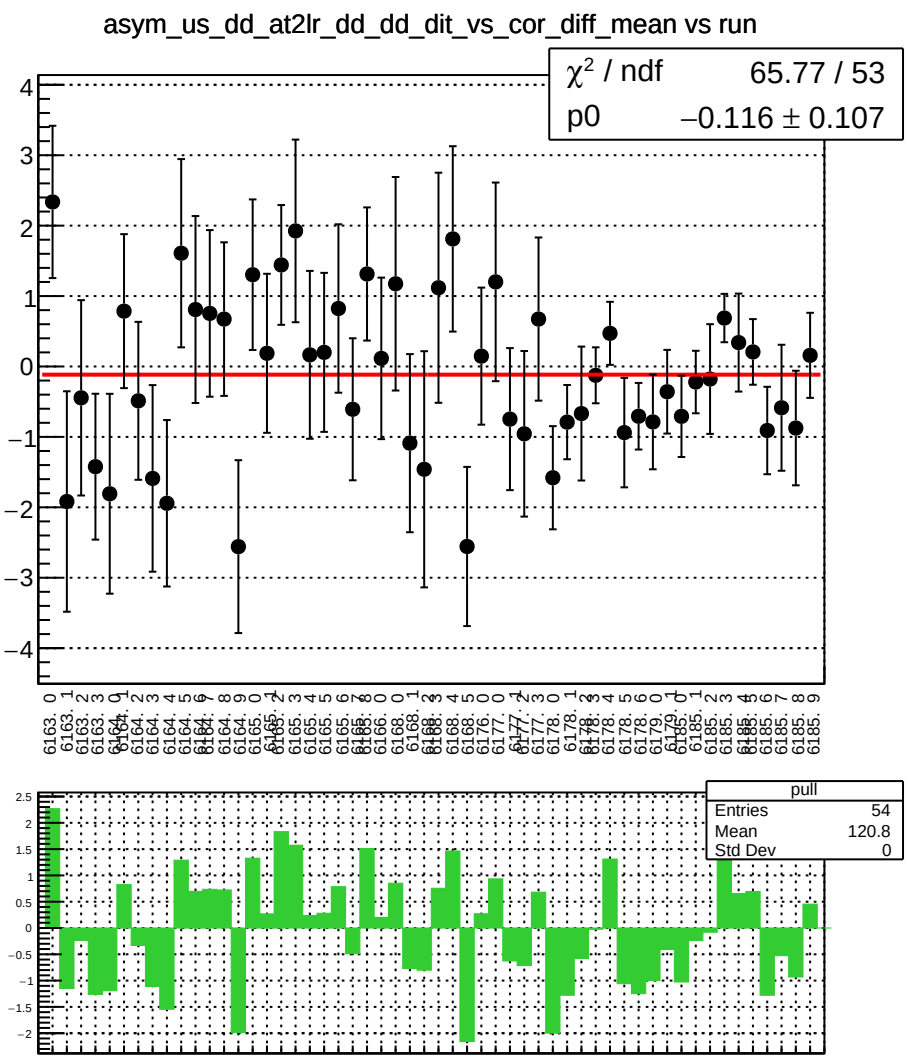

pull1D
Entries 54
Mean 0.006818
Std Dev 0.9916

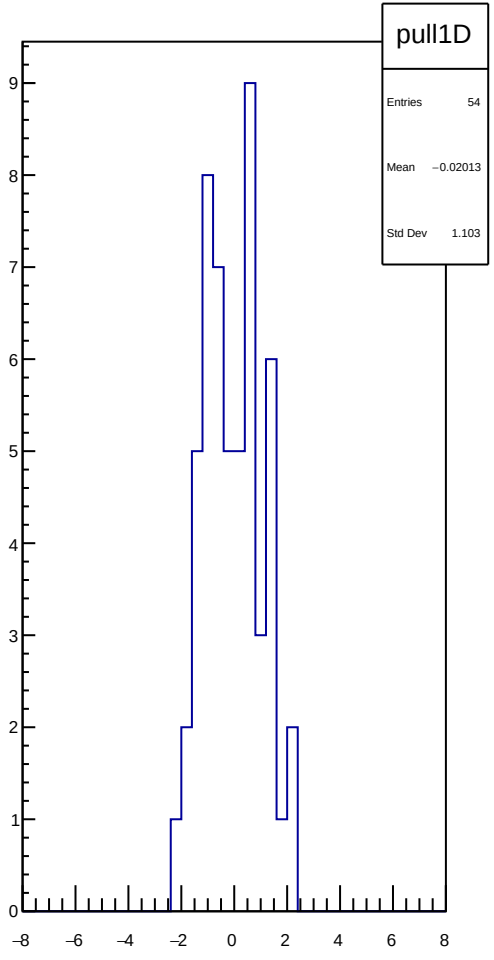

asym_us_dd_at2lr_dd_dd_rms vs run
χ² / ndf 2.31e+04 / 53
p0 2198 ± 2.187
3000
2800
2600
2400
2200
2000
1800
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

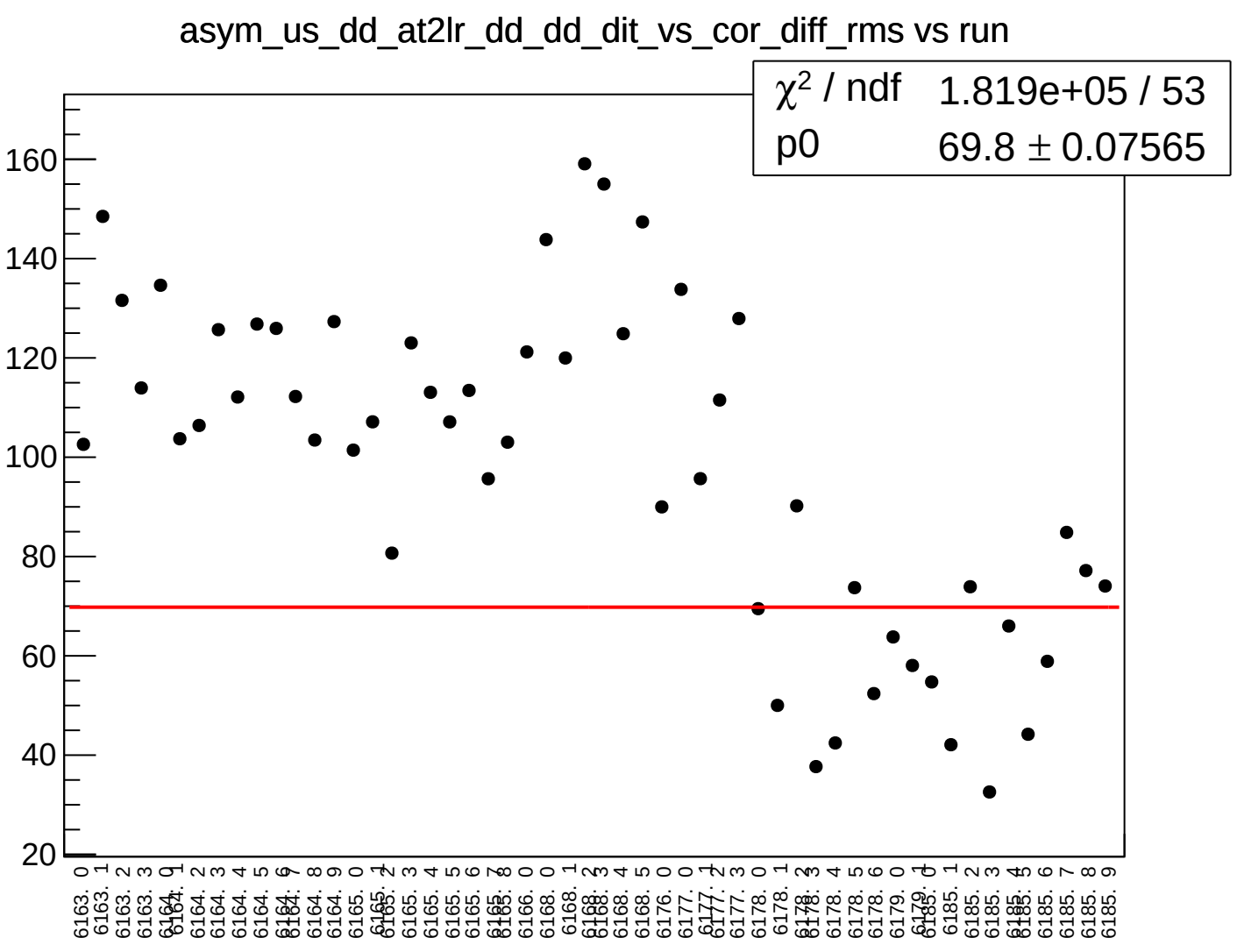

asym_us_dd_at2lr_dd_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 64.89 / 53
p0 5.013e−13 ± 2.909e−13
0.008
0.006
0.004
0.002
0
−0.002
−0.004
−0.006
−0.008
pull
Entries 54
Mean 83.25
Std Dev 0

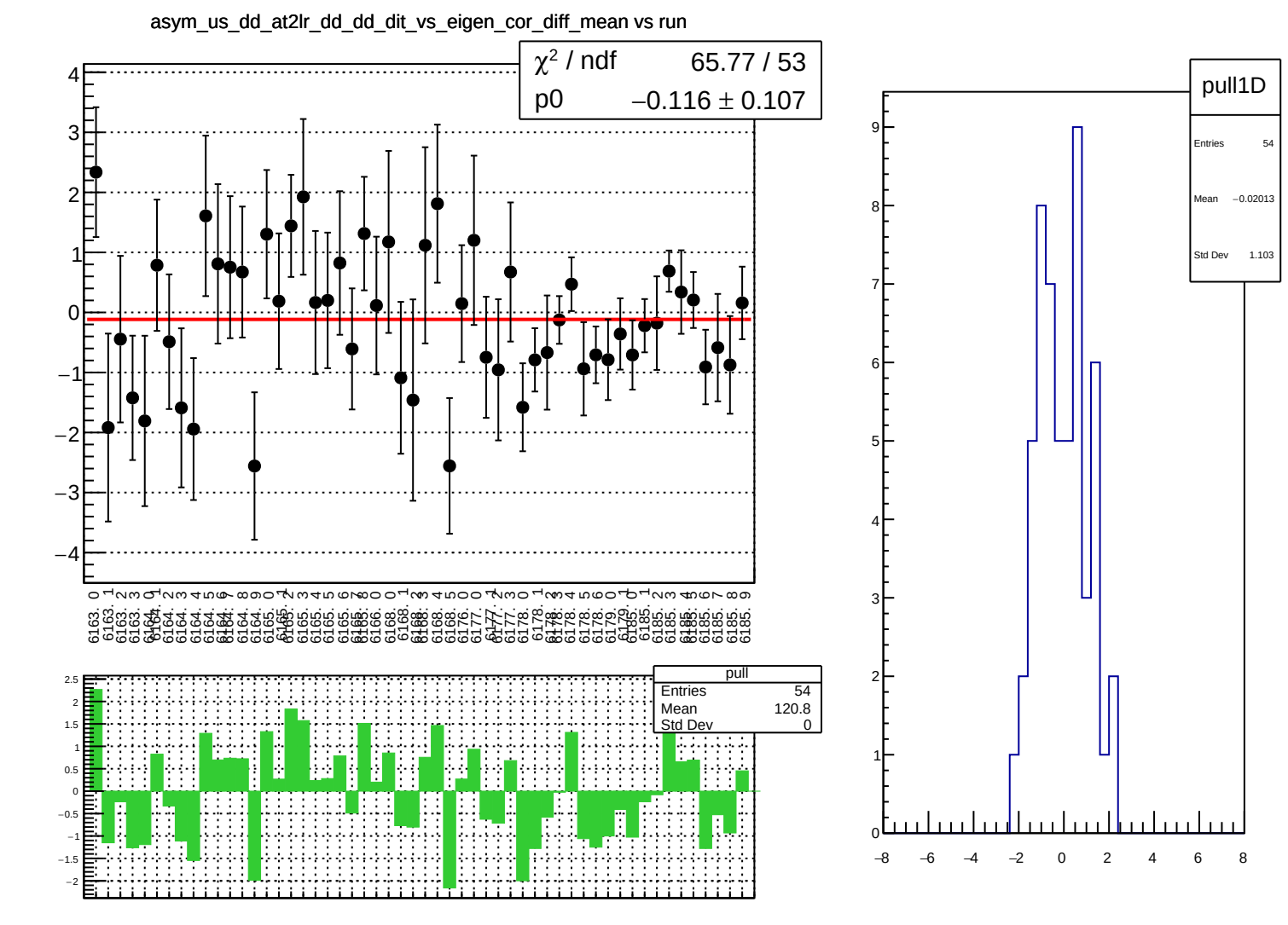

pull1D
Entries 54
Mean 0.06792
Std Dev 1.094
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

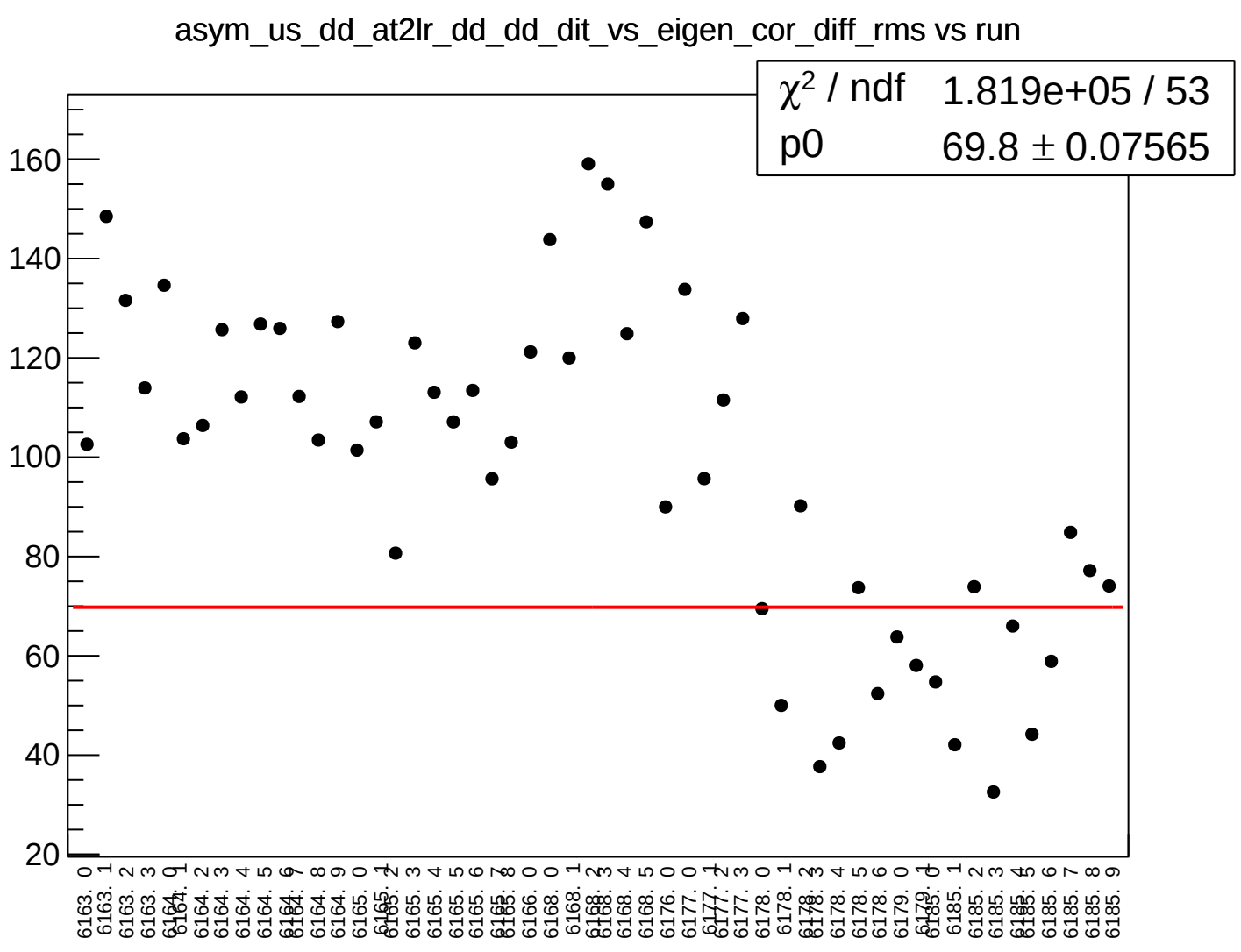

asym_us_dd_at2lr_dd_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.224e+05 / 53
p0 1.47e−10 ± 2.057e−13
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 6
6164. 7
6164. 8
6164. 9
6165. 0
6165. 1
6165. 2
6165. 3
6165. 4
6165. 5
6165. 6
6165. 7
6165. 8
6166. 0
6168. 0
6168. 1
6168. 2
6168. 3
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 2
6178. 3
6178. 4
6178. 5
6178. 6
6179. 0
6179. 1
6185. 0
6185. 1
6185. 2
6185. 3
6185. 4
6185. 5
6185. 6
6185. 7
6185. 8
6185. 9

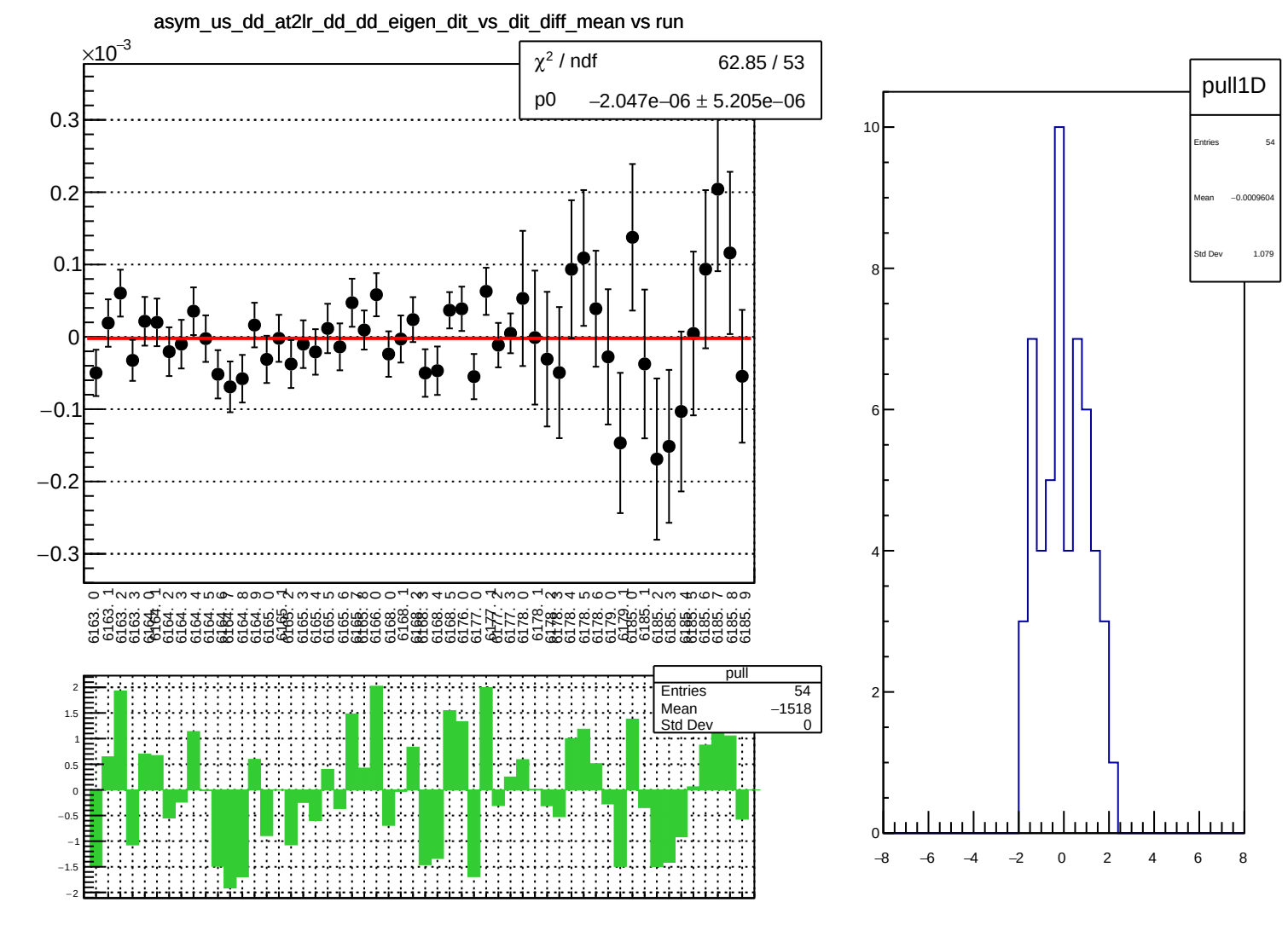

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 65.77 / 53
p0 −0.116 ± 0.107
pull
Entries 54
Mean 120.8
Std Dev 0

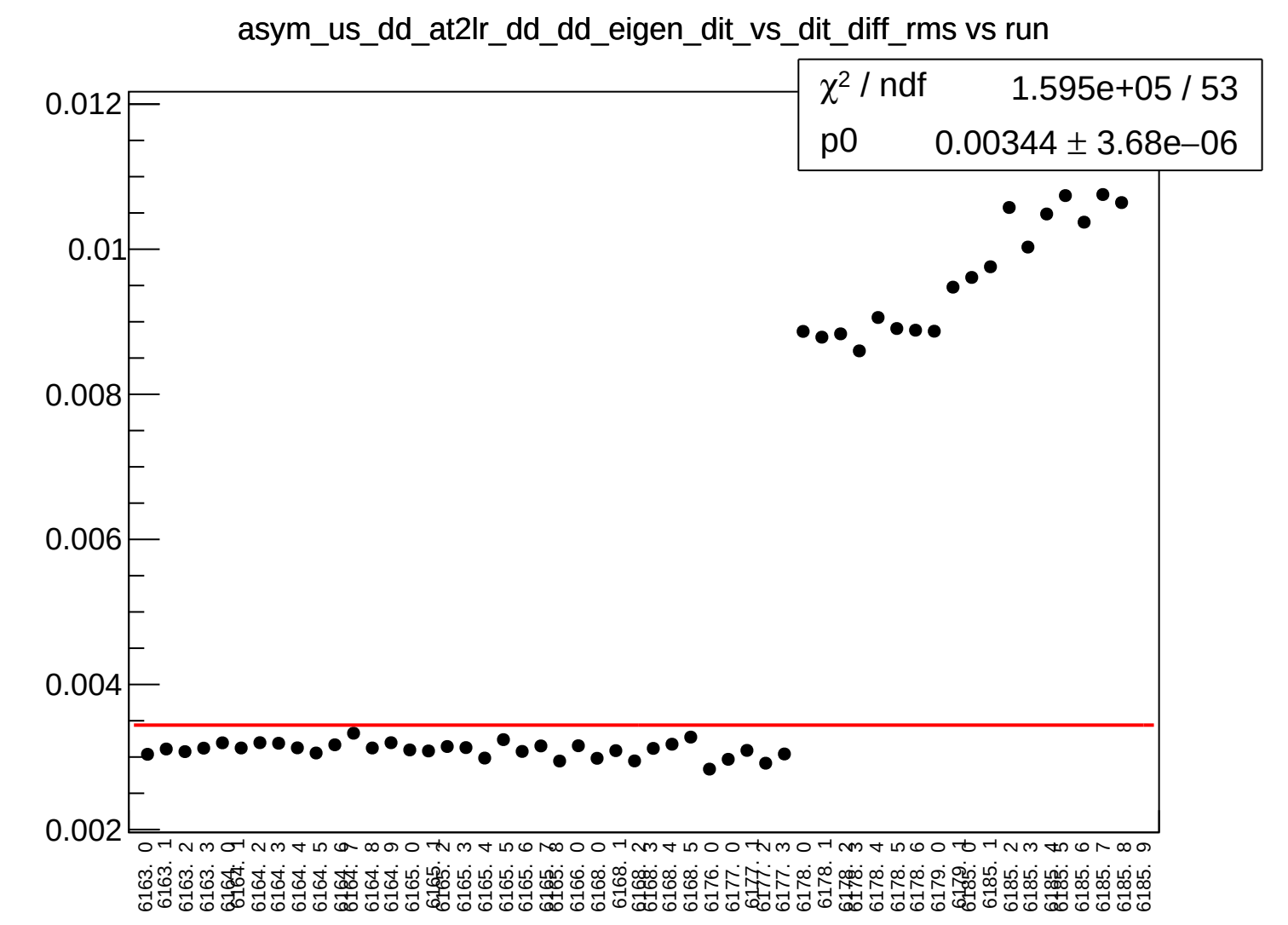

pull1D
Entries 54
Mean −0.02013
Std Dev 1.103

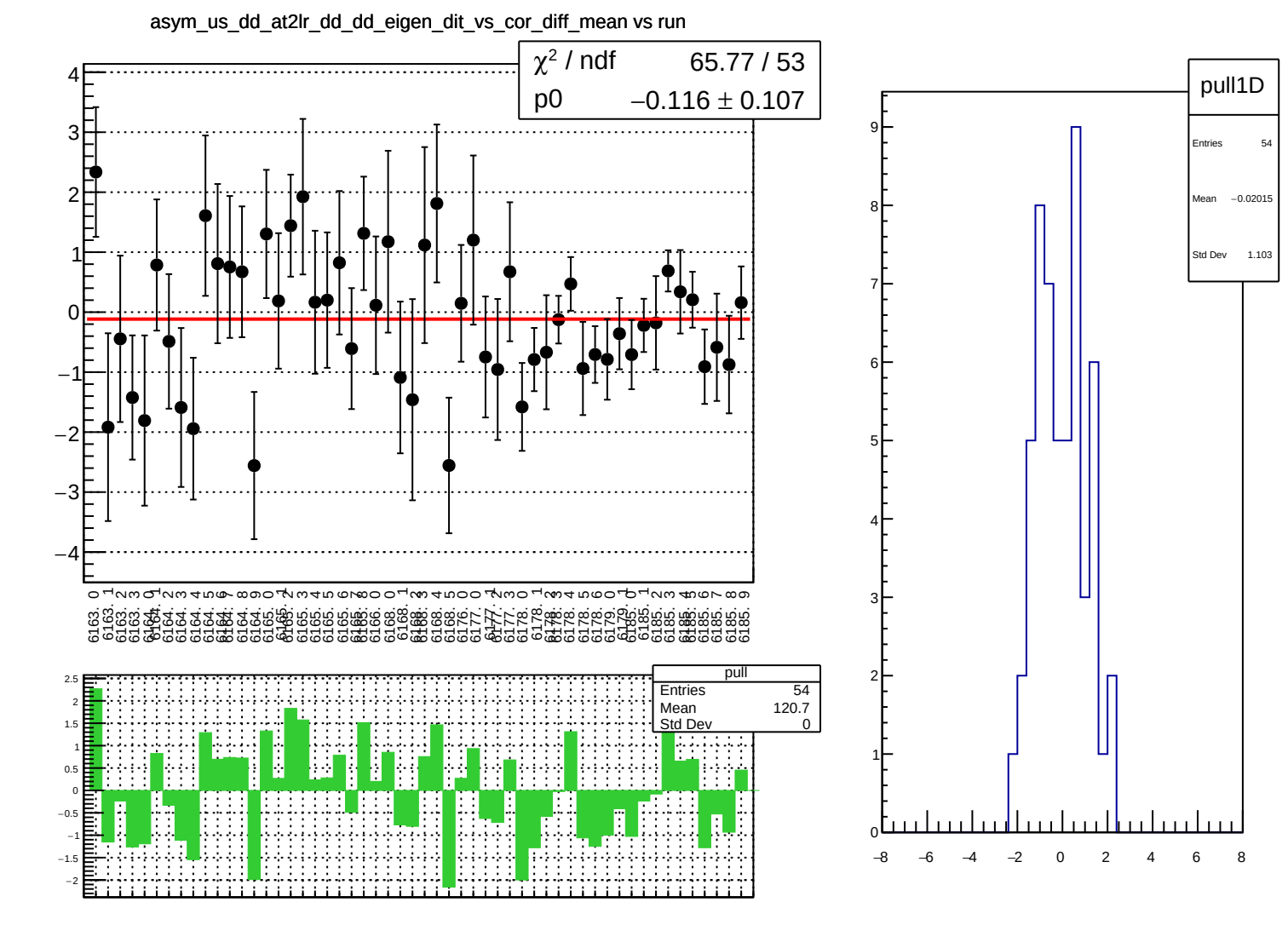

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.819e+05 / 53
p0 69.8 ± 0.07565
160
140
120
100
80
60
40
20
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

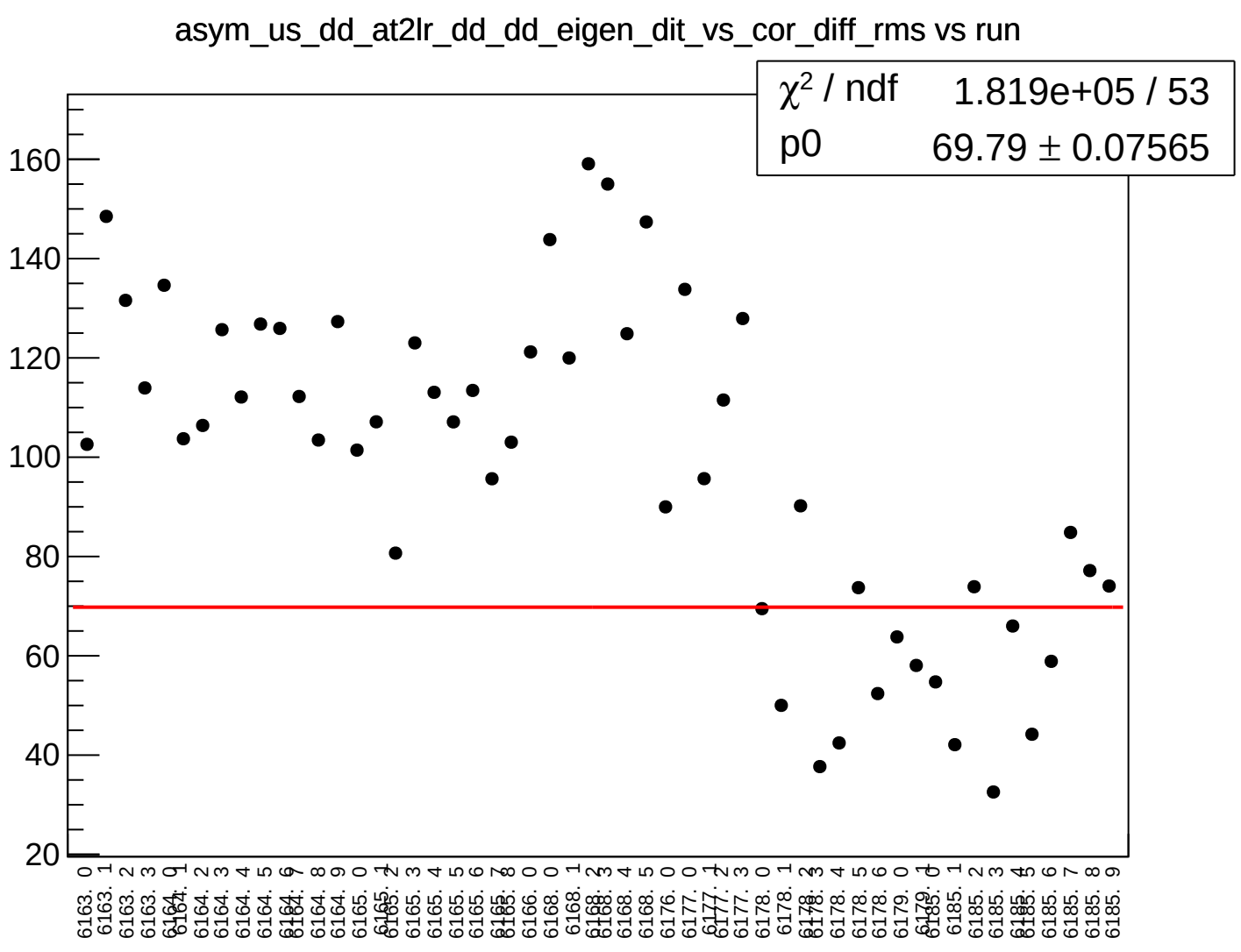

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 65.77 / 53
p0 −0.116 ± 0.107
pull
Entries 54
Mean 120.8
Std Dev 0
pull1D
Entries 54
Mean −0.02013
Std Dev 1.103

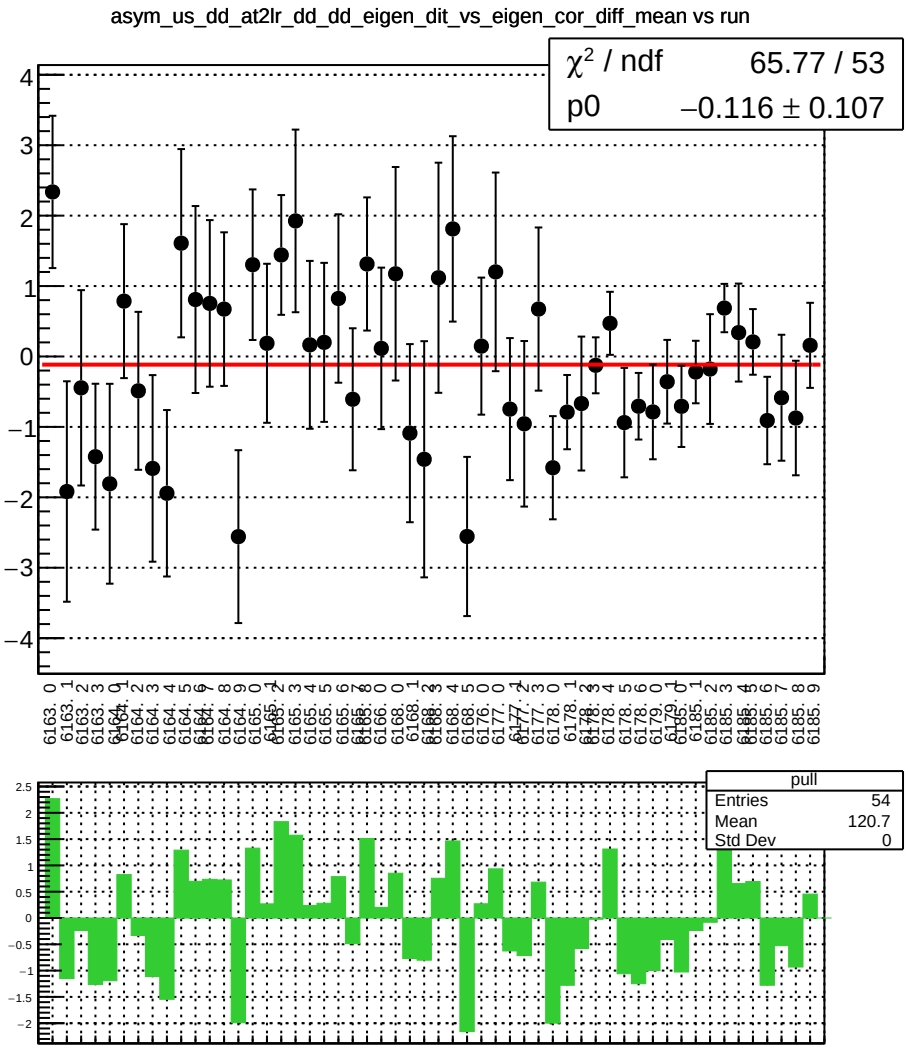

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.819e+05 / 53
p0 69.8 ± 0.07565
160
140
120
100
80
60
40
20
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

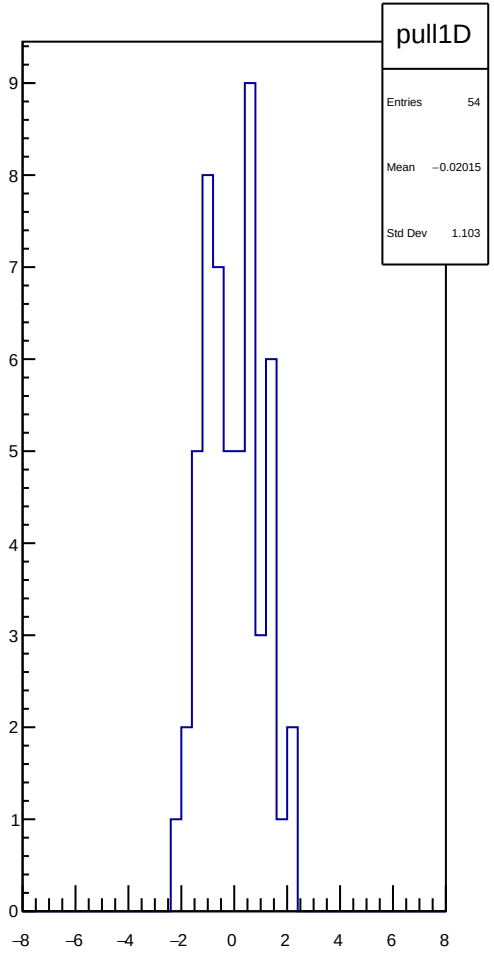

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 62.85 / 53
p0 −2.047e−06 ± 5.205e−06
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
pull
Entries 54
Mean −1518
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 54
Mean −0.0009604
Std Dev 1.079
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

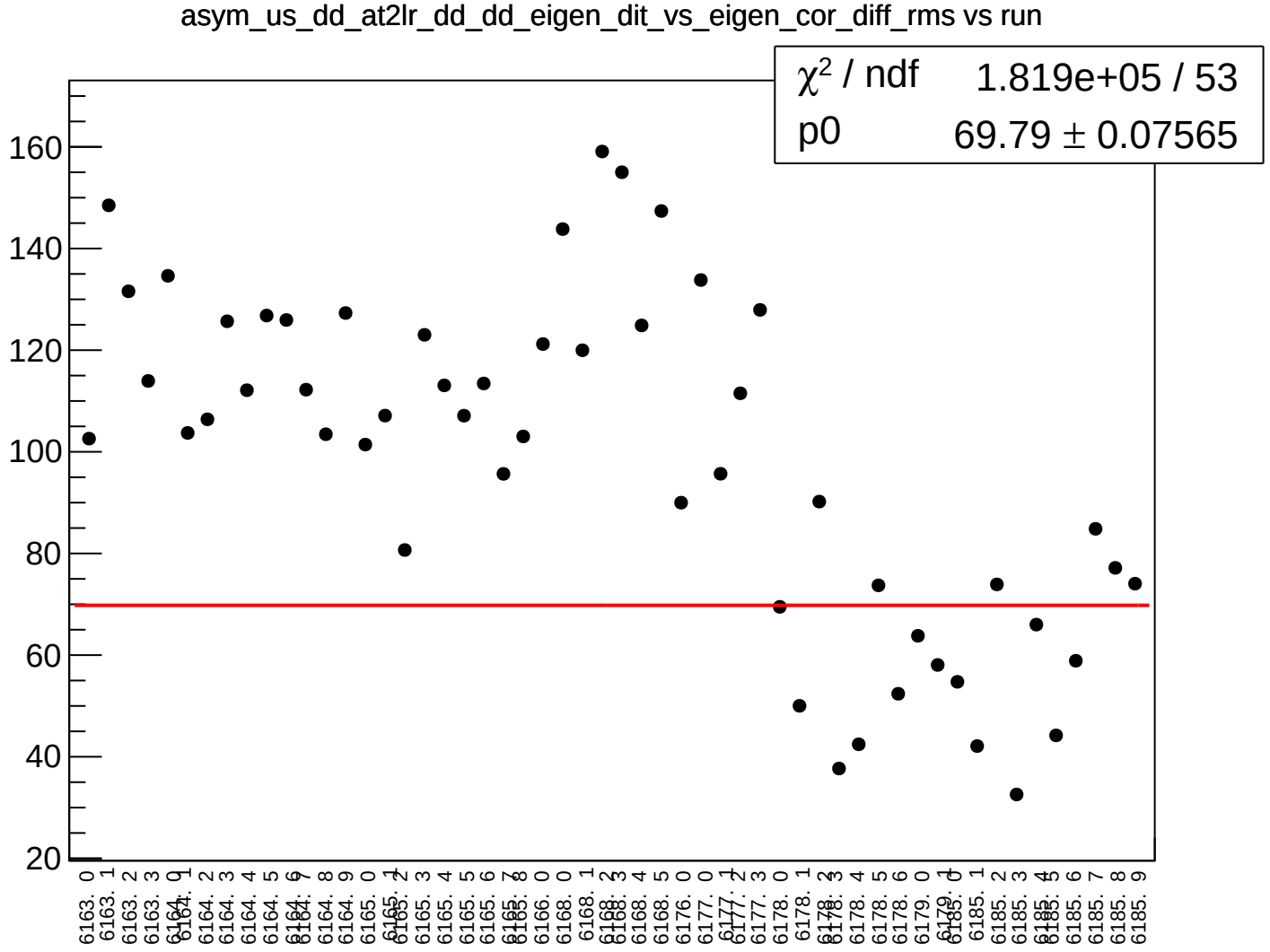

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.595e+05 / 53
p0 0.00344 ± 3.68e−06
0.012
0.01
0.008
0.006
0.004
0.002
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

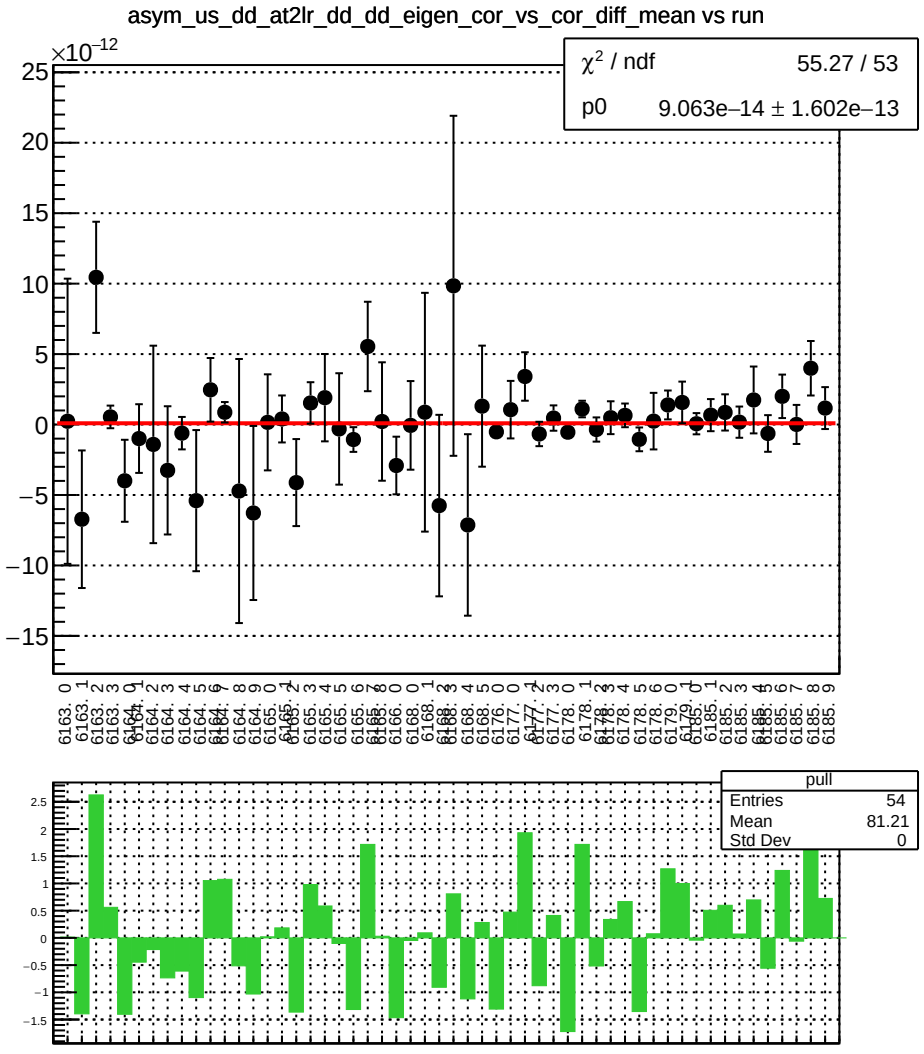

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 65.77 / 53
p0 −0.116 ± 0.107
pull
Entries 54
Mean 120.7
Std Dev 0
pull1D
Entries 54
Mean −0.02015
Std Dev 1.103

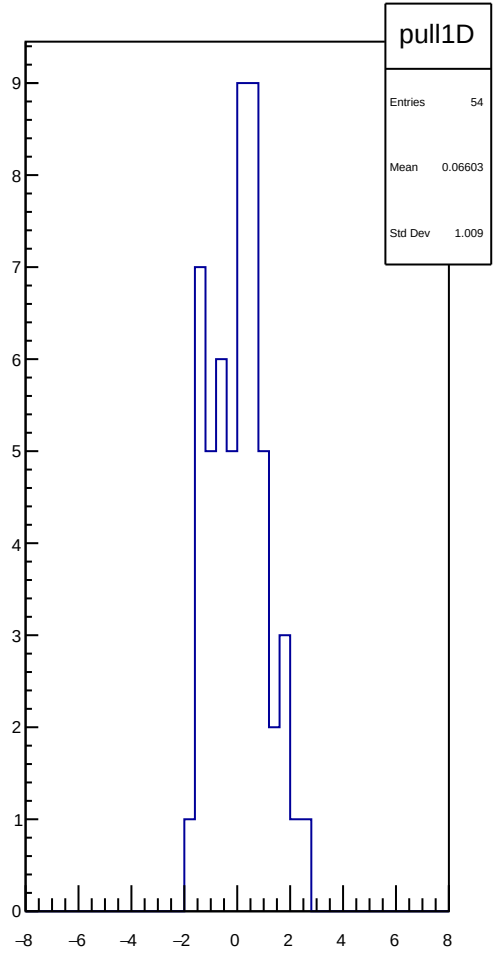

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.819e+05 / 53
p0 69.79 ± 0.07565
160
140
120
100
80
60
40
20
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

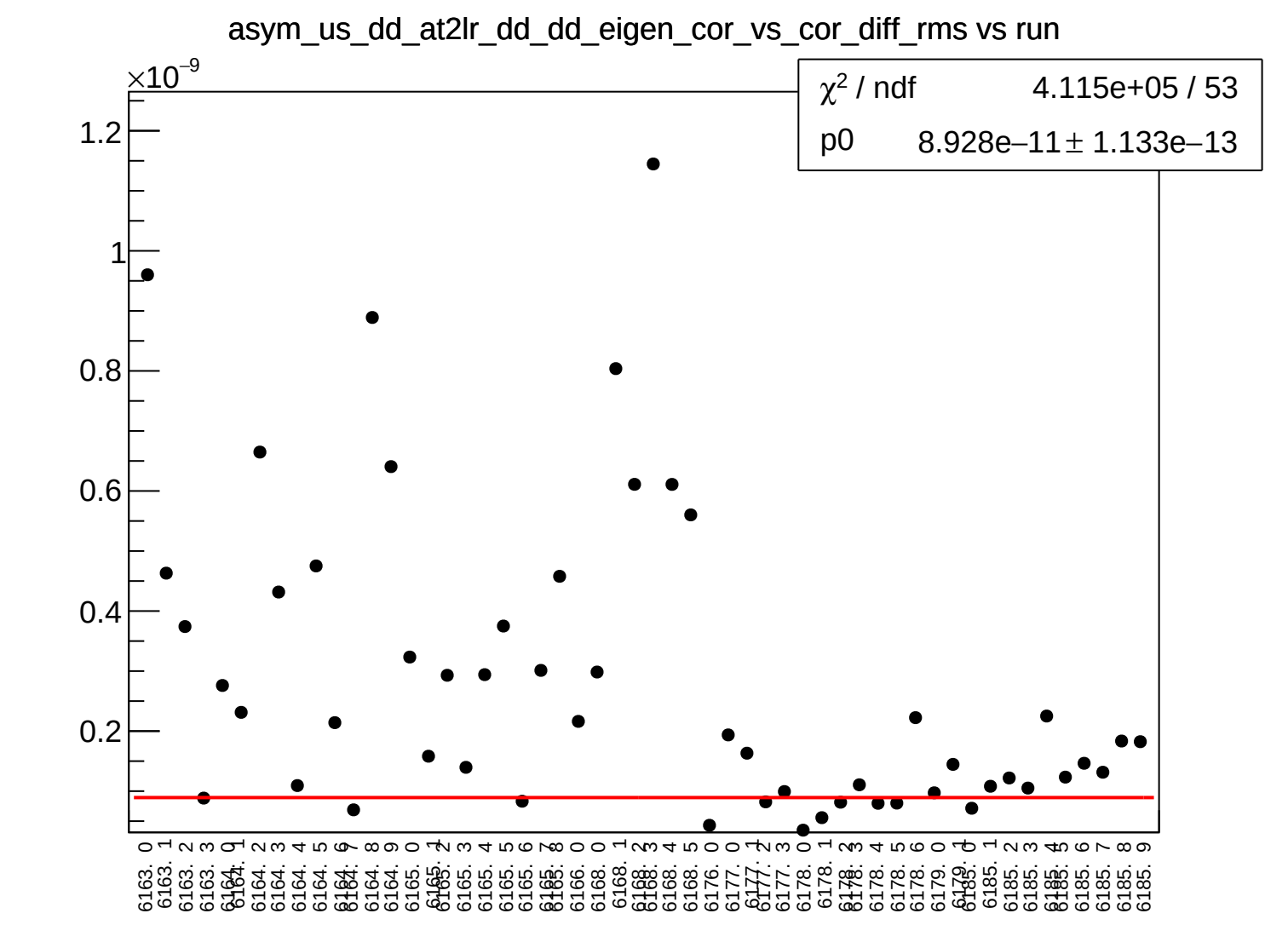

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 65.77 / 53
p0 −0.116 ± 0.107
pull
Entries 54
Mean 120.7
Std Dev 0

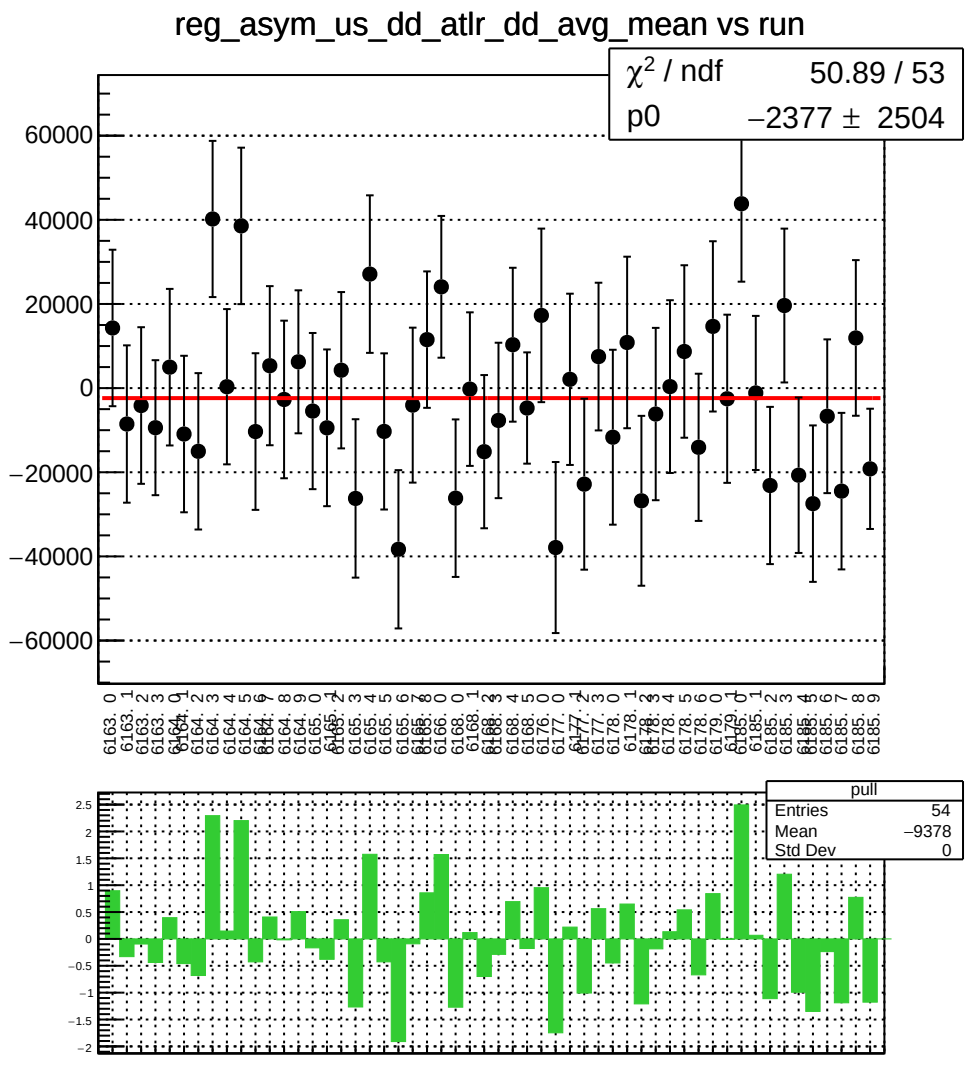

pull1D
Entries 54
Mean −0.02015
Std Dev 1.103

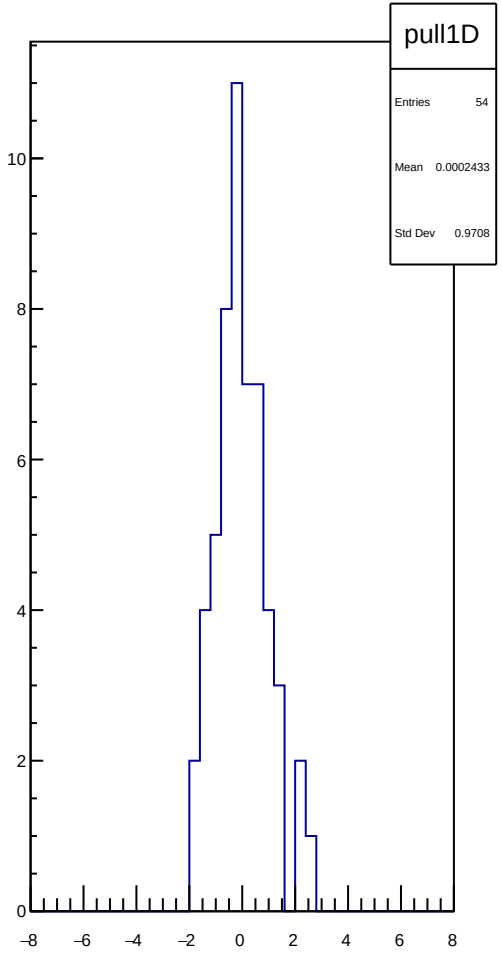

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.819e+05 / 53
p0 69.79 ± 0.07565
160
140
120
100
80
60
40
20
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

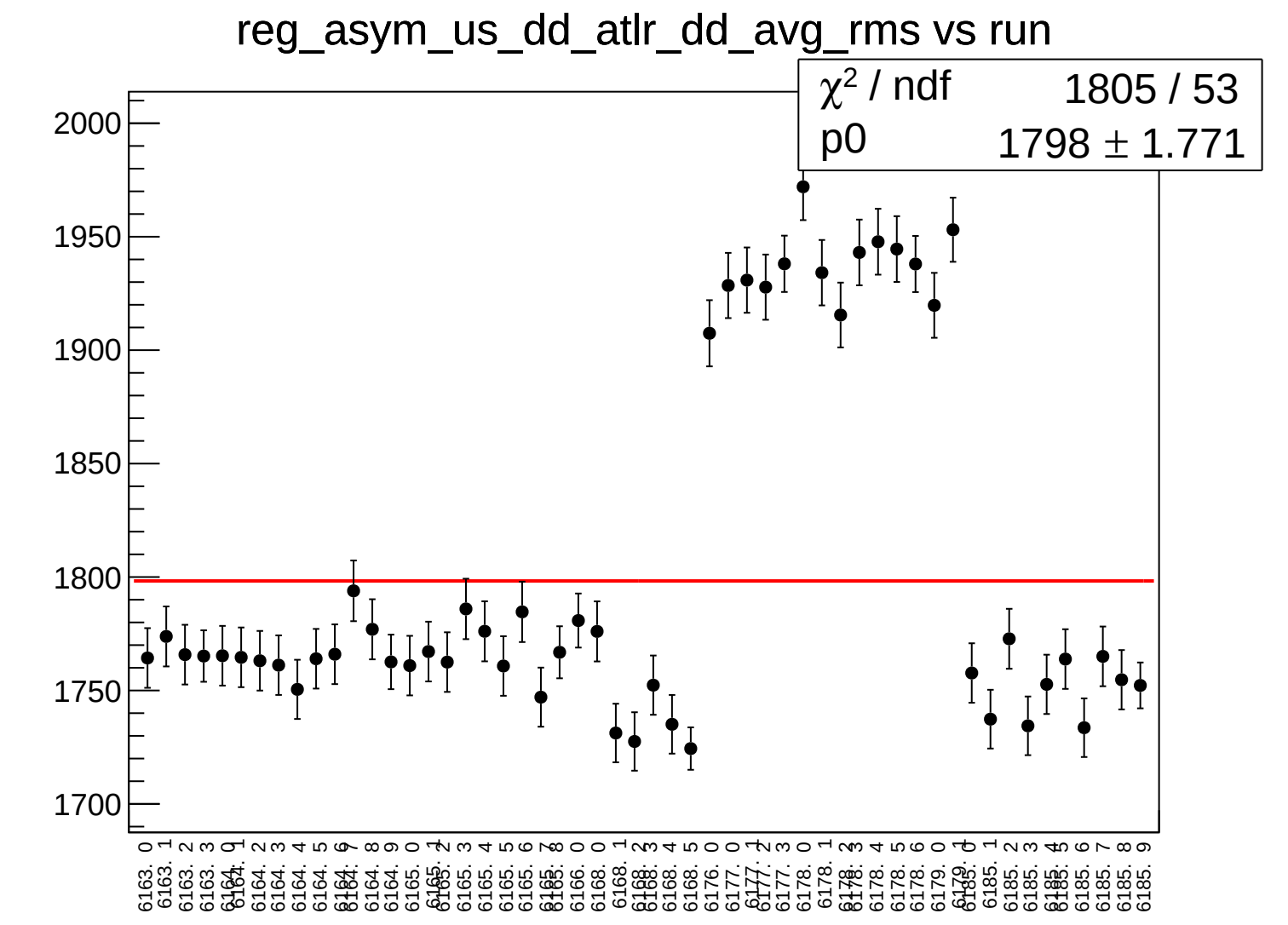

asym_us_dd_at2lr_dd_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 55.27 / 53
p0 9.063e−14 ± 1.602e−13
pull
Entries 54
Mean 81.21
Std Dev 0

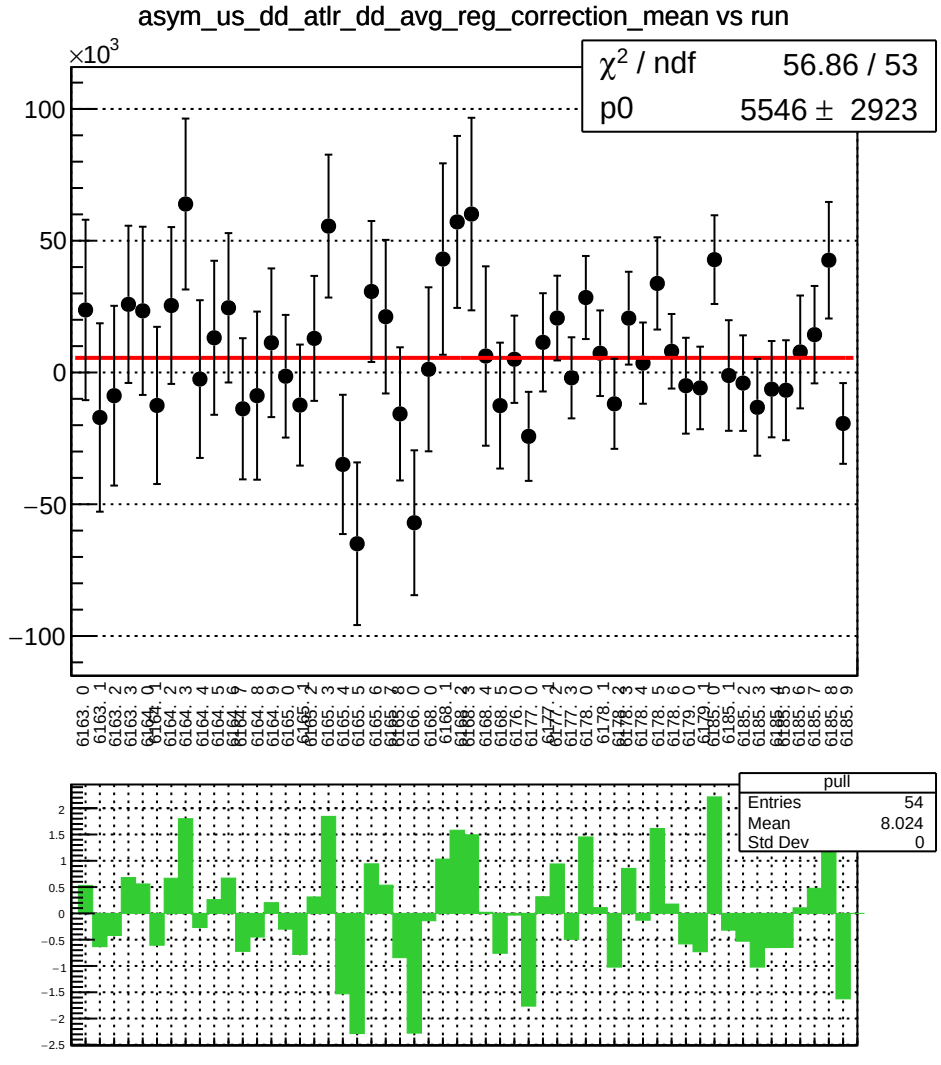

pull1D
Entries 54
Mean 0.06603
Std Dev 1.009

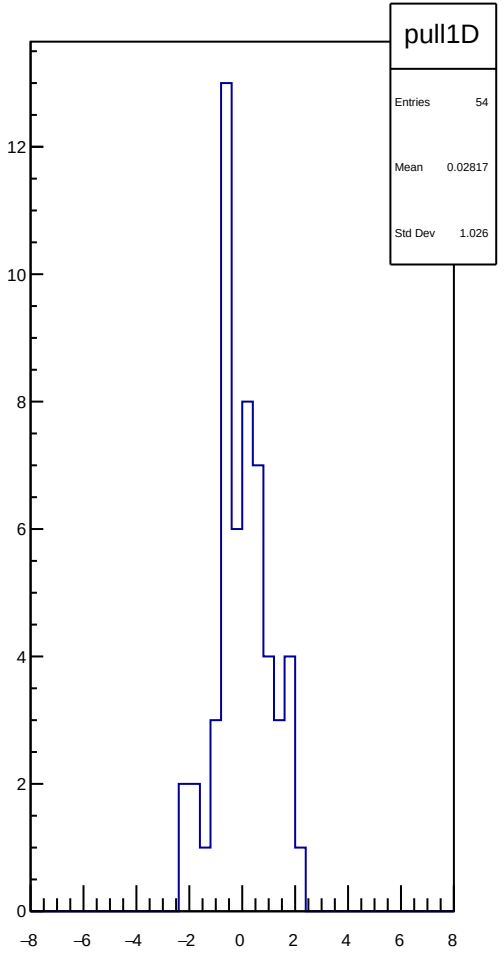

asym_us_dd_at2lr_dd_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.115e+05 / 53
p0 8.928e−11 ± 1.133e−13
1.2
1
0.8
0.6
0.4
0.2
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

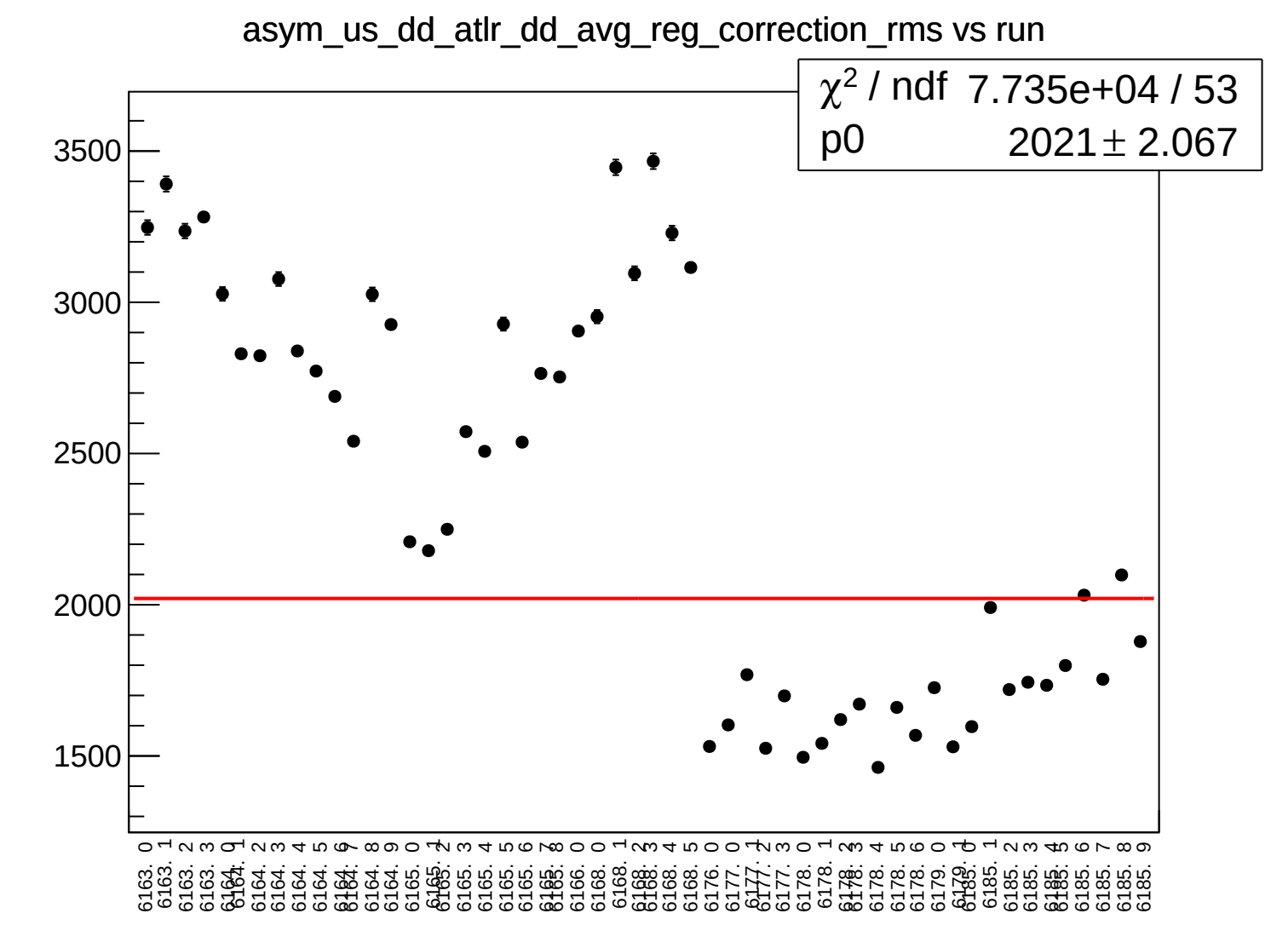

reg_asym_us_dd_atlr_dd_avg_mean vs run
χ² / ndf 50.89 / 53
p0 −2377 ± 2504
pull
Entries 54
Mean −9378
Std Dev 0

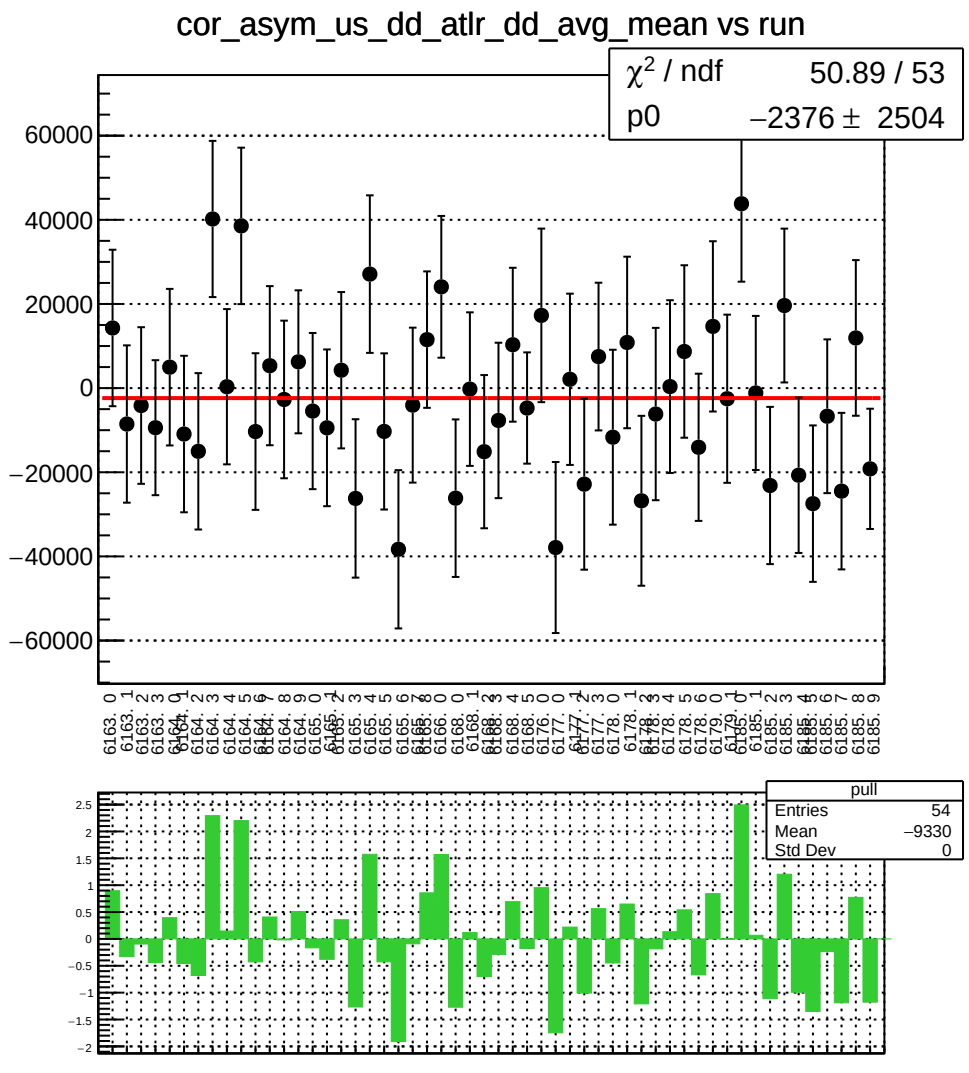

pull1D
Entries 54
Mean 0.0002433
Std Dev 0.9708

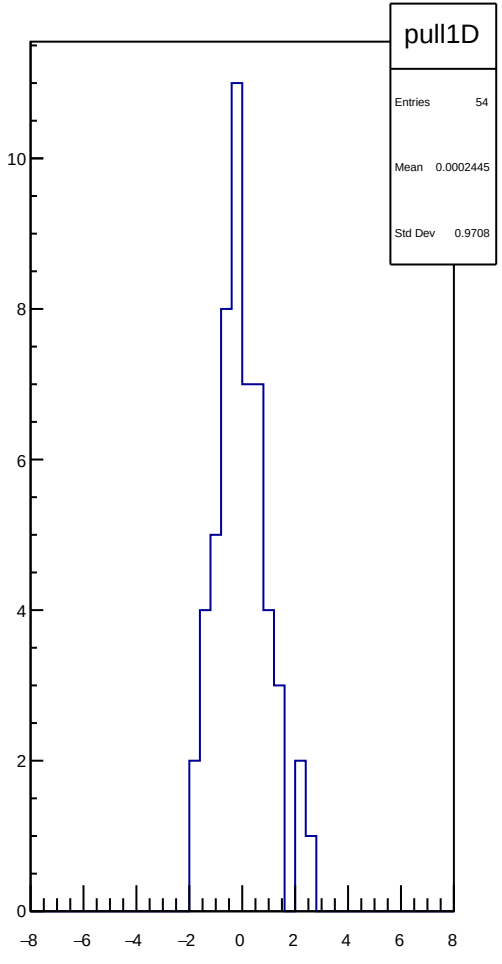

reg_asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 1805 / 53
p0 1798 ± 1.771
2000
1950
1900
1850
1800
1750
1700
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

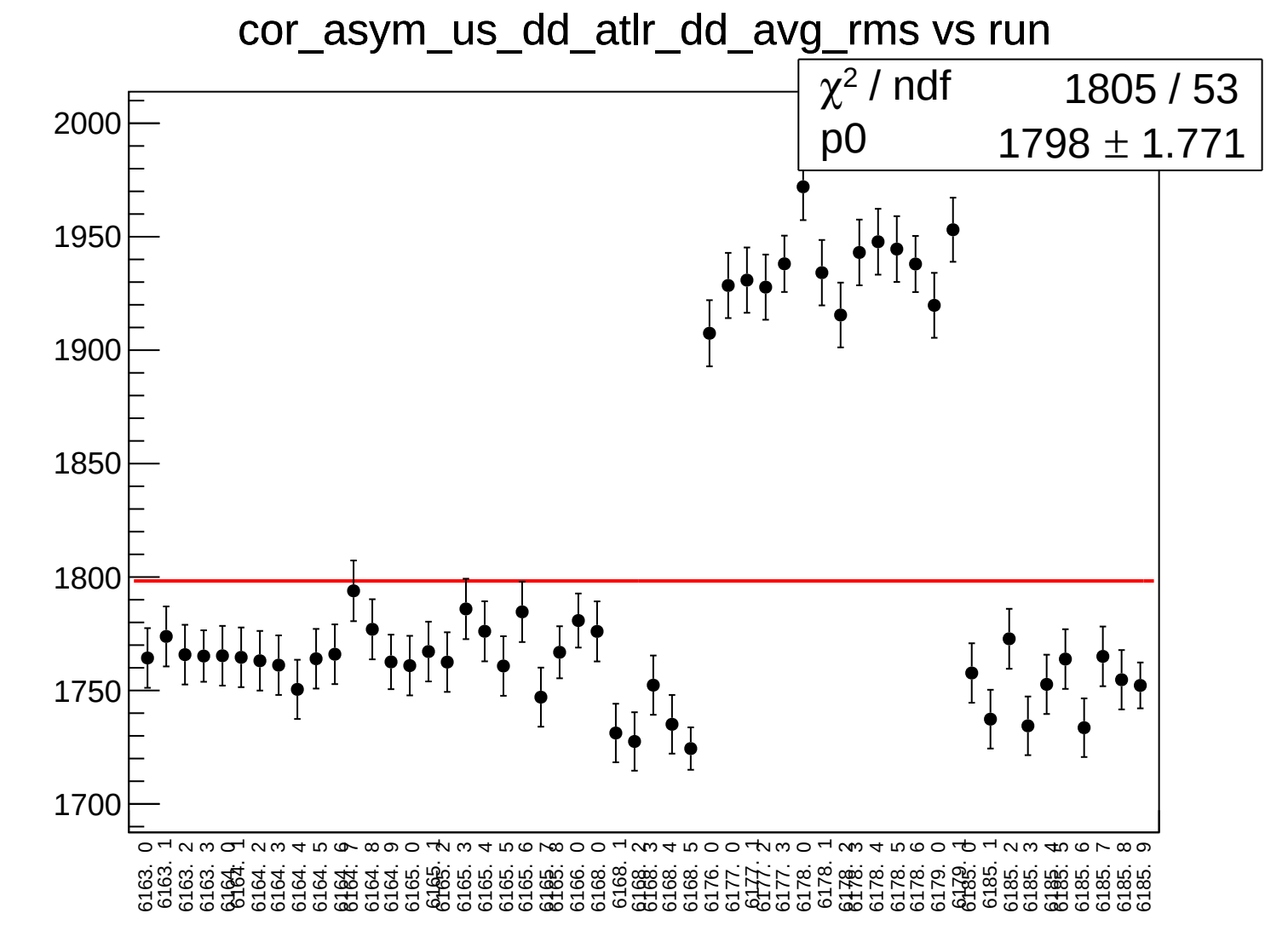

asym_us_dd_atlr_dd_avg_reg_correction_mean vs run
×10^3
χ² / ndf 56.86 / 53
p0 5546 ± 2923
100
50
0
−50
−100
pull
Entries 54
Mean 8.024
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

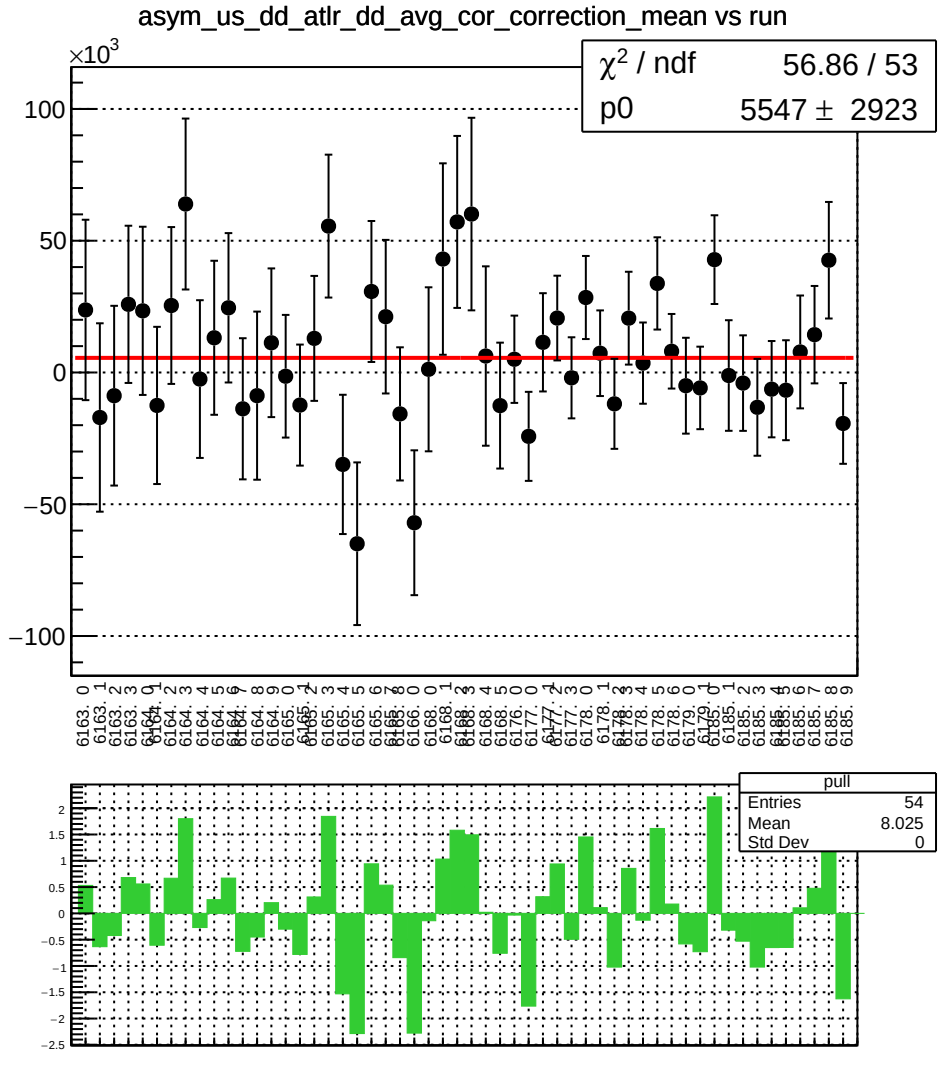

pull1D
Entries 54
Mean 0.02817
Std Dev 1.026
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

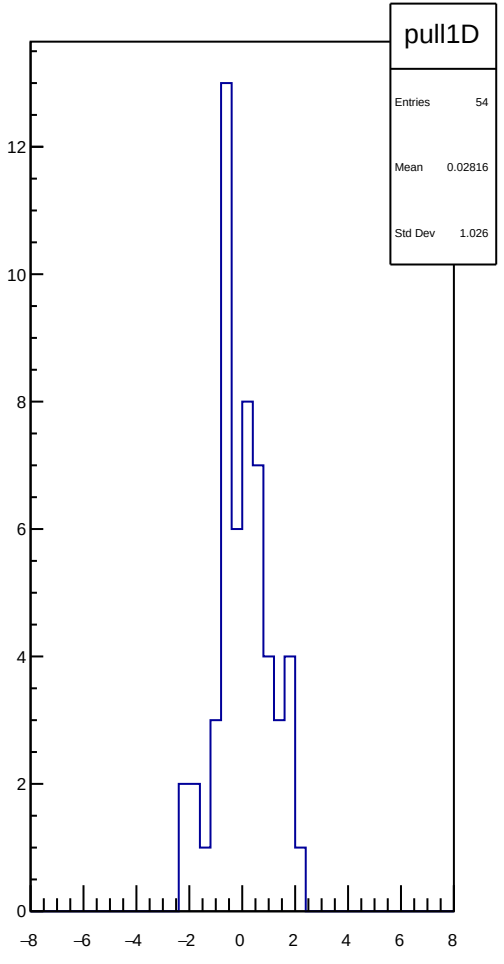

asym_us_dd_atlr_dd_avg_reg_correction_rms vs run
χ² / ndf 7.735e+04 / 53
p0 2021 ± 2.067
3500
3000
2500
2000
1500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

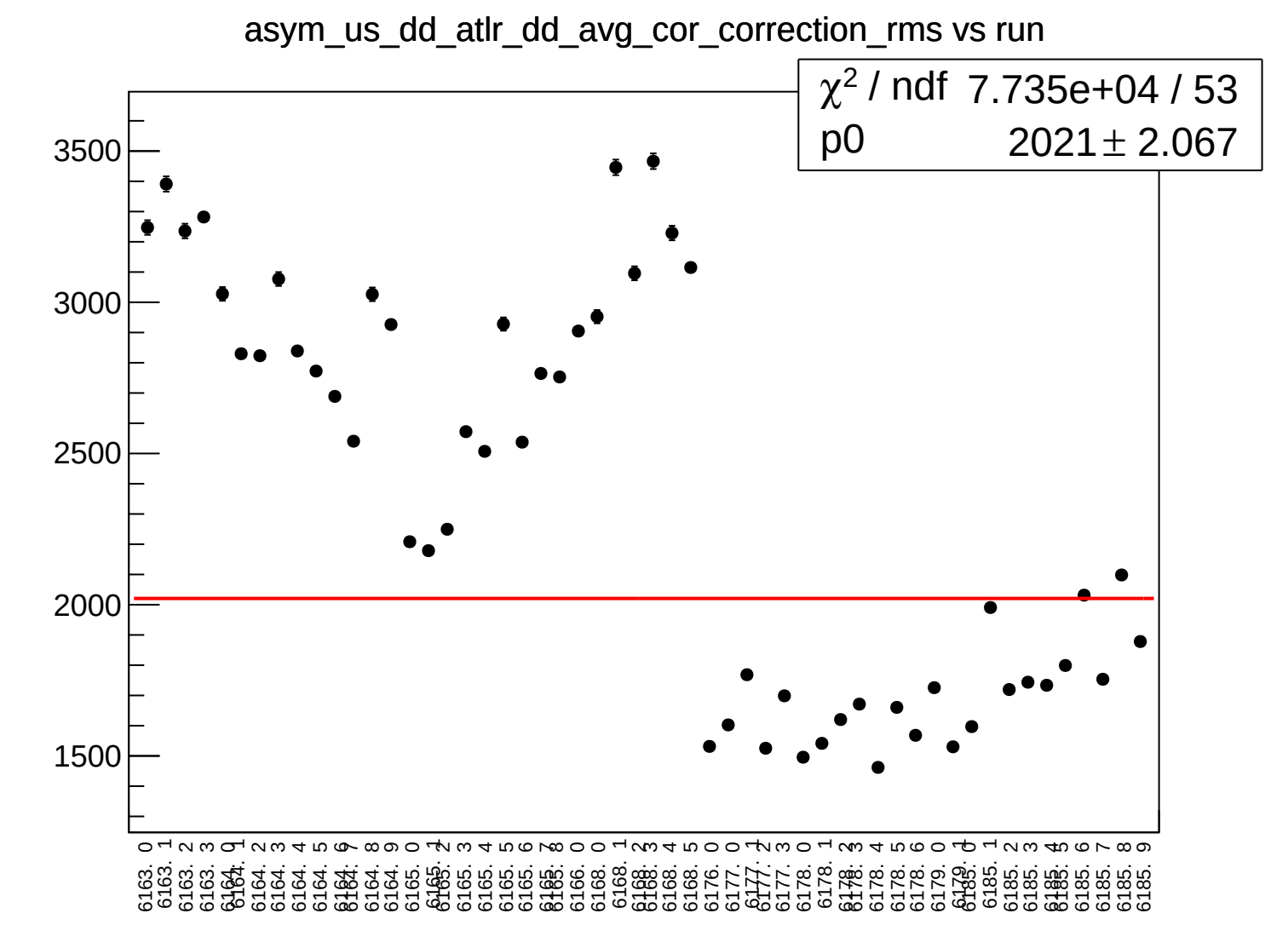

cor_asym_us_dd_atlr_dd_avg_mean vs run
χ² / ndf 50.89 / 53
p0 −2376 ± 2504
pull
Entries 54
Mean −9330
Std Dev 0

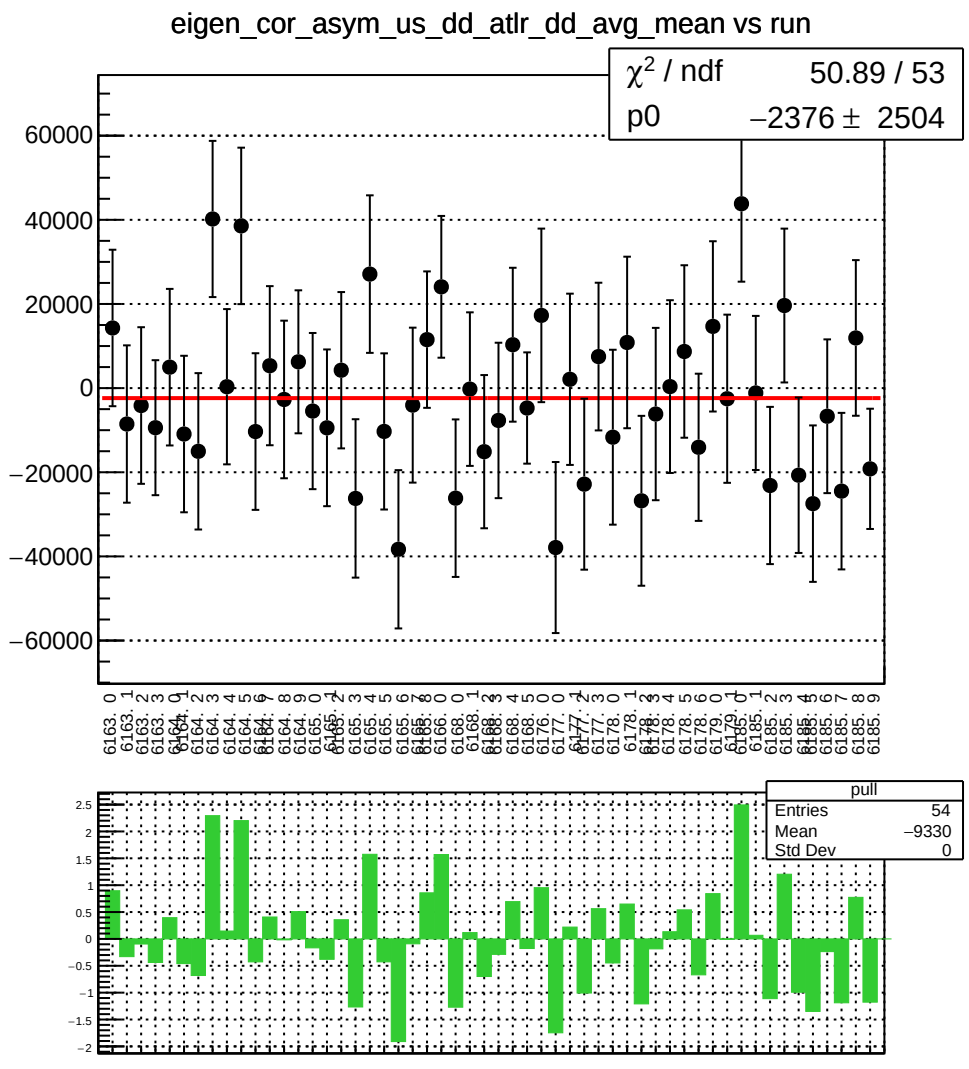

pull1D
Entries 54
Mean 0.0002445
Std Dev 0.9708

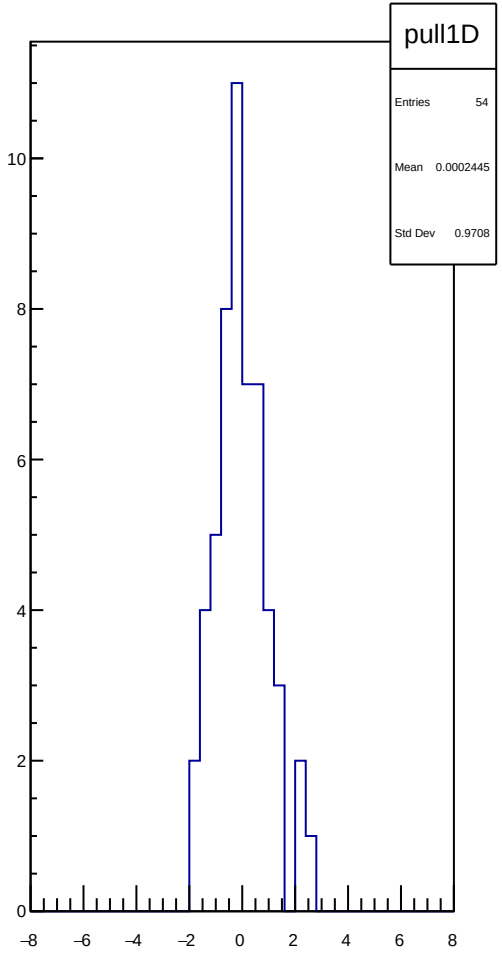

cor_asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 1805 / 53
p0 1798 ± 1.771
2000
1950
1900
1850
1800
1750
1700
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

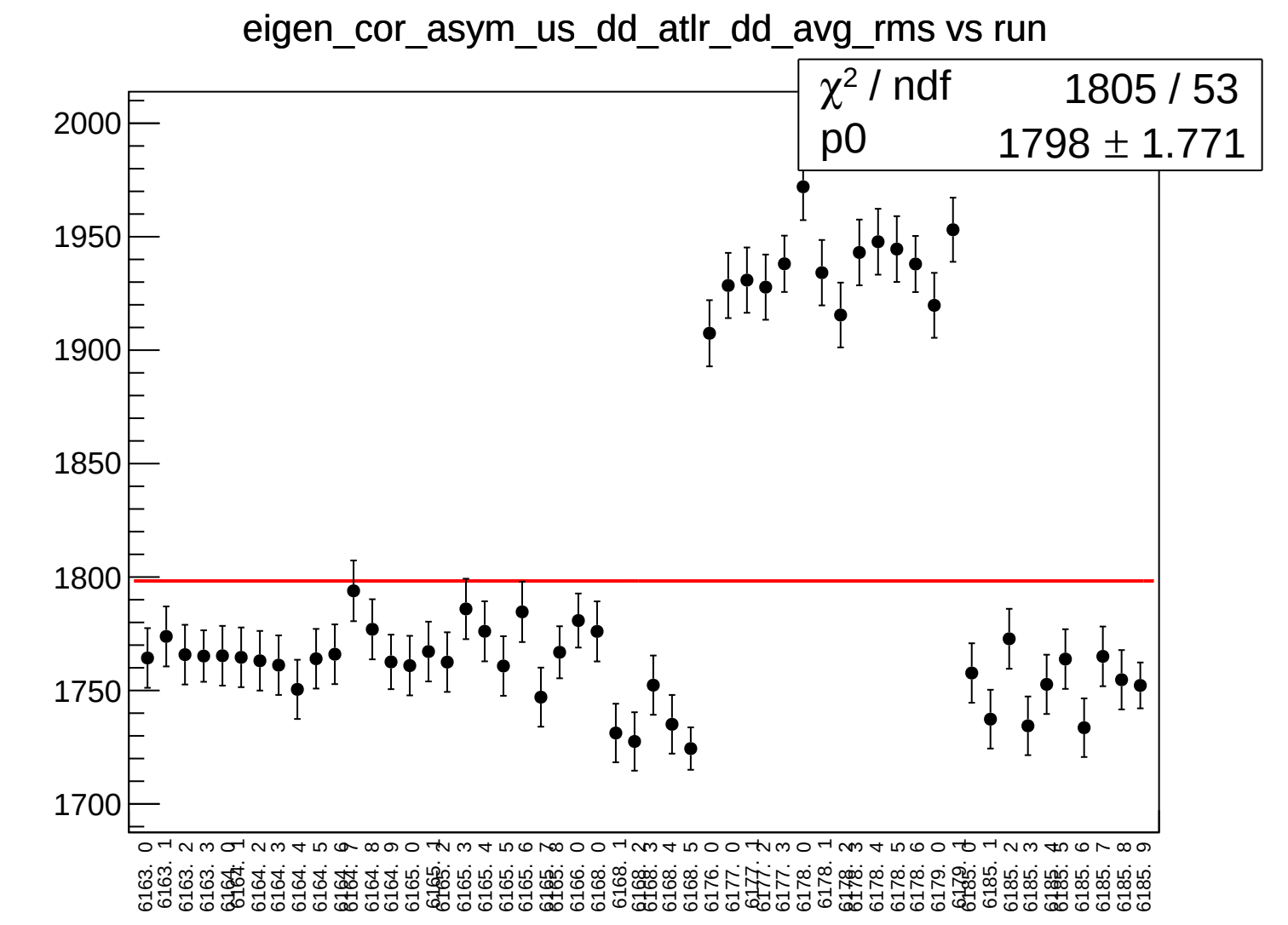

asym_us_dd_atlr_dd_avg_cor_correction_mean vs run
×10^3
χ² / ndf 56.86 / 53
p0 5547 ± 2923
100
50
0
−50
−100
pull
Entries 54
Mean 8.025
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

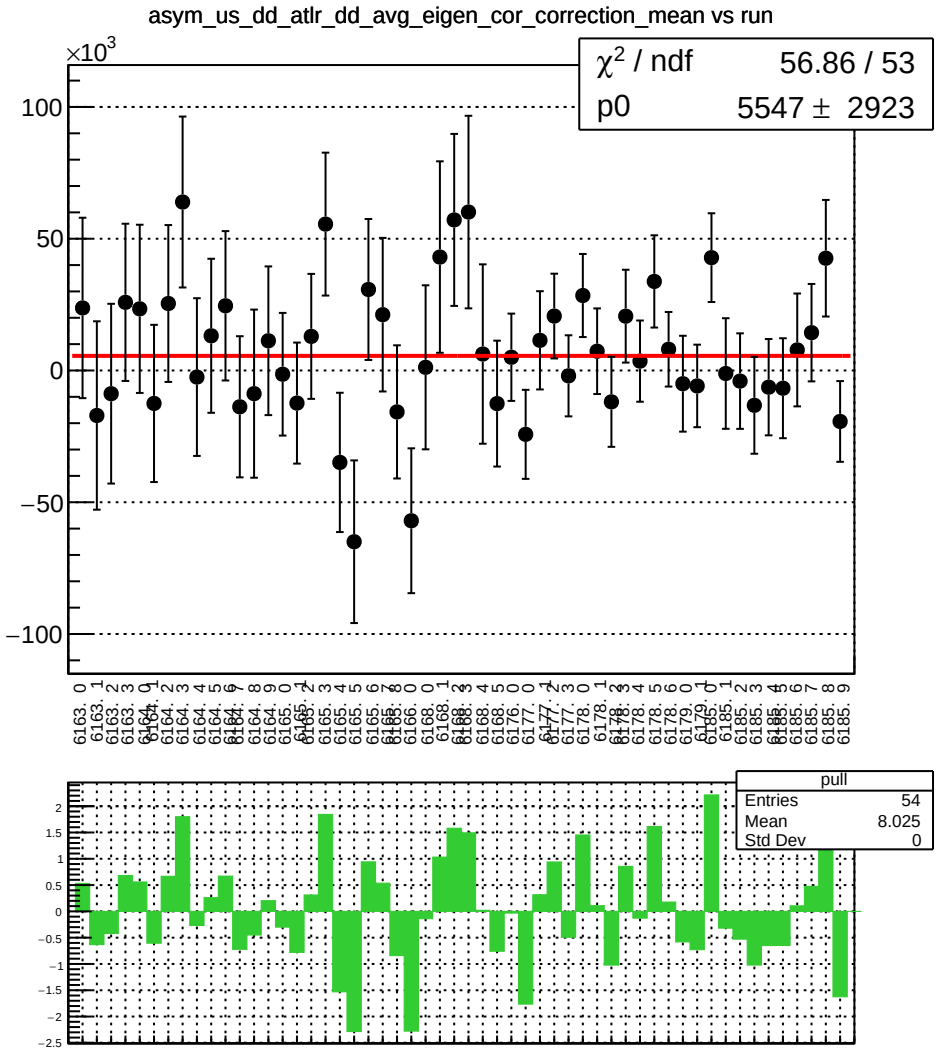

pull1D
Entries 54
Mean 0.02816
Std Dev 1.026
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

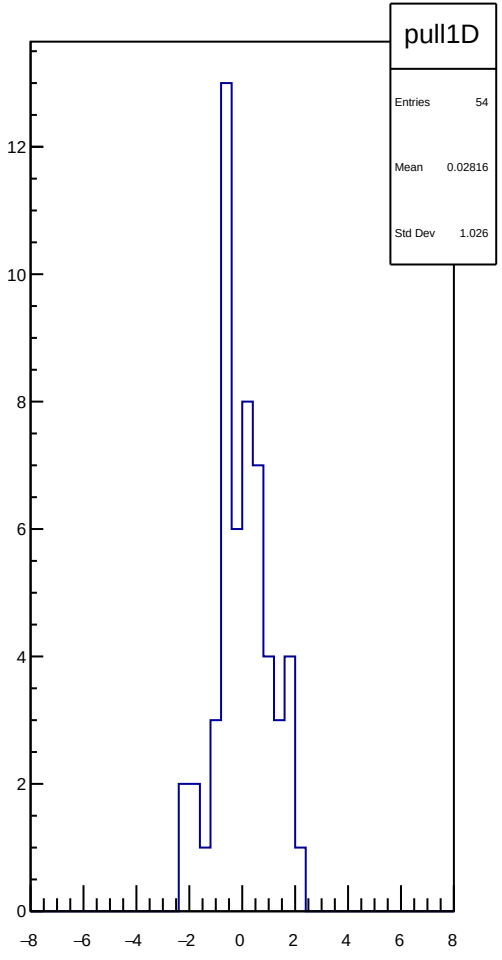

asym_us_dd_atlr_dd_avg_cor_correction_rms vs run
χ² / ndf 7.735e+04 / 53
p0 2021 ± 2.067
3500
3000
2500
2000
1500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

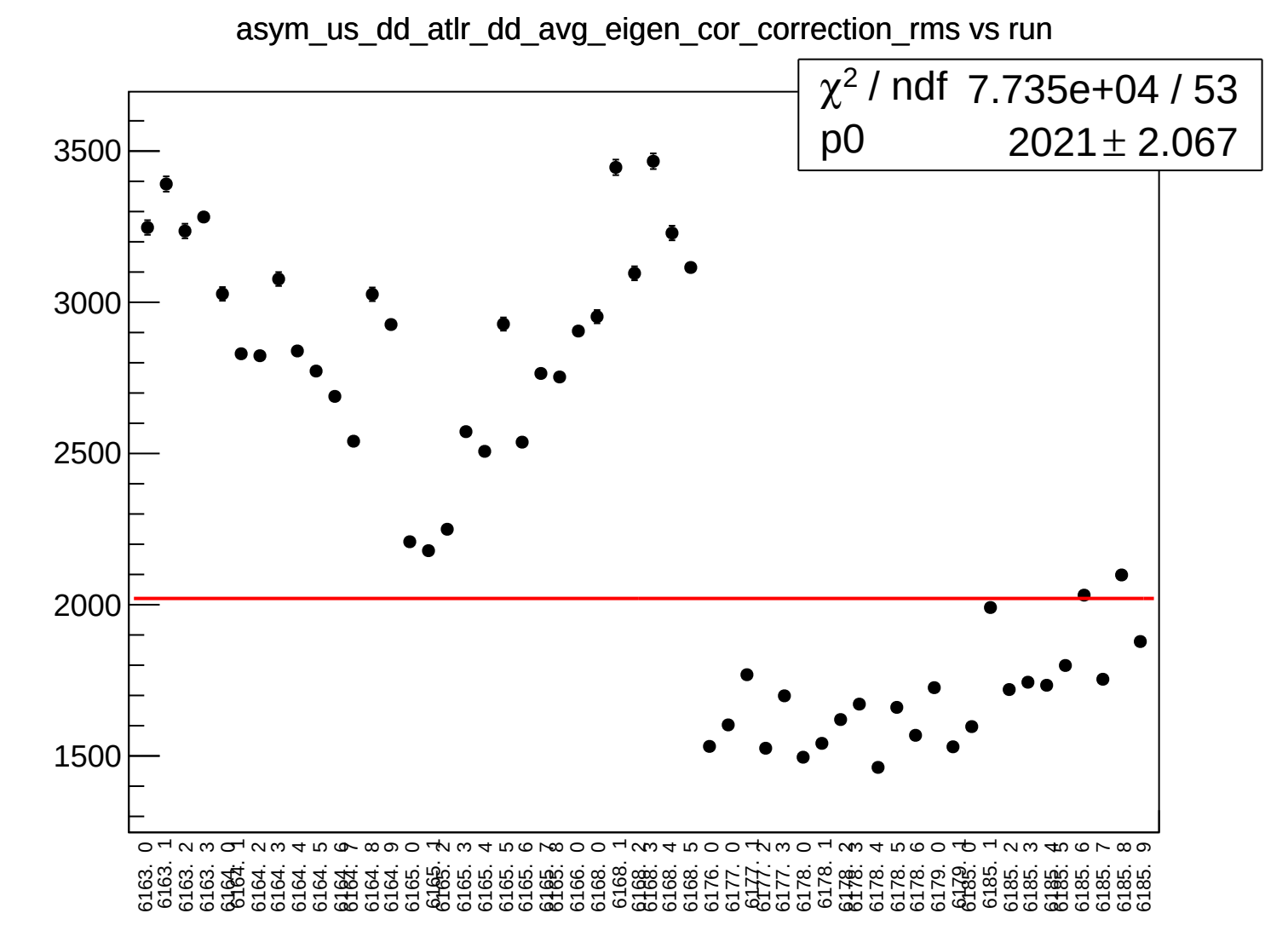

eigen_cor_asym_us_dd_atlr_dd_avg_mean vs run
χ² / ndf 50.89 / 53
p0 −2376 ± 2504
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean −9330
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

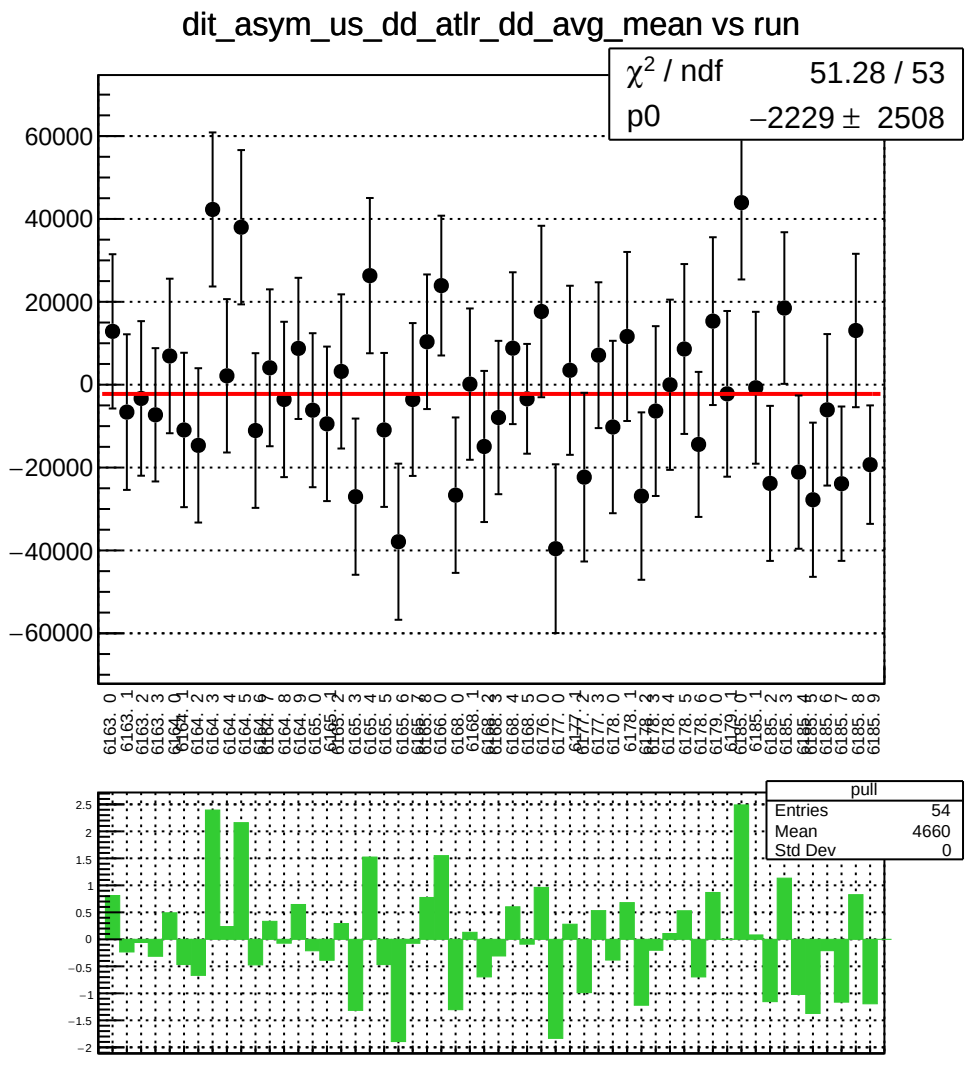

pull1D
Entries 54
Mean 0.0002445
Std Dev 0.9708
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

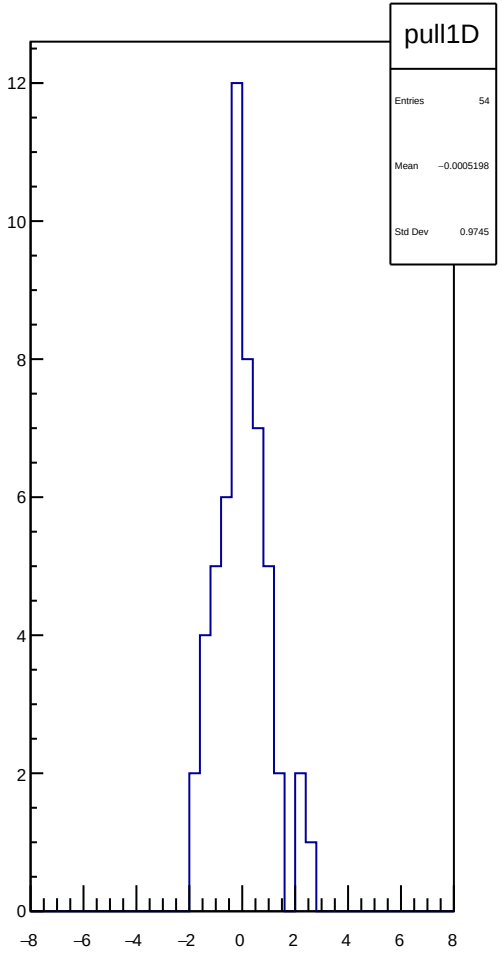

eigen_cor_asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 1805 / 53
p0 1798 ± 1.771
2000
1950
1900
1850
1800
1750
1700
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

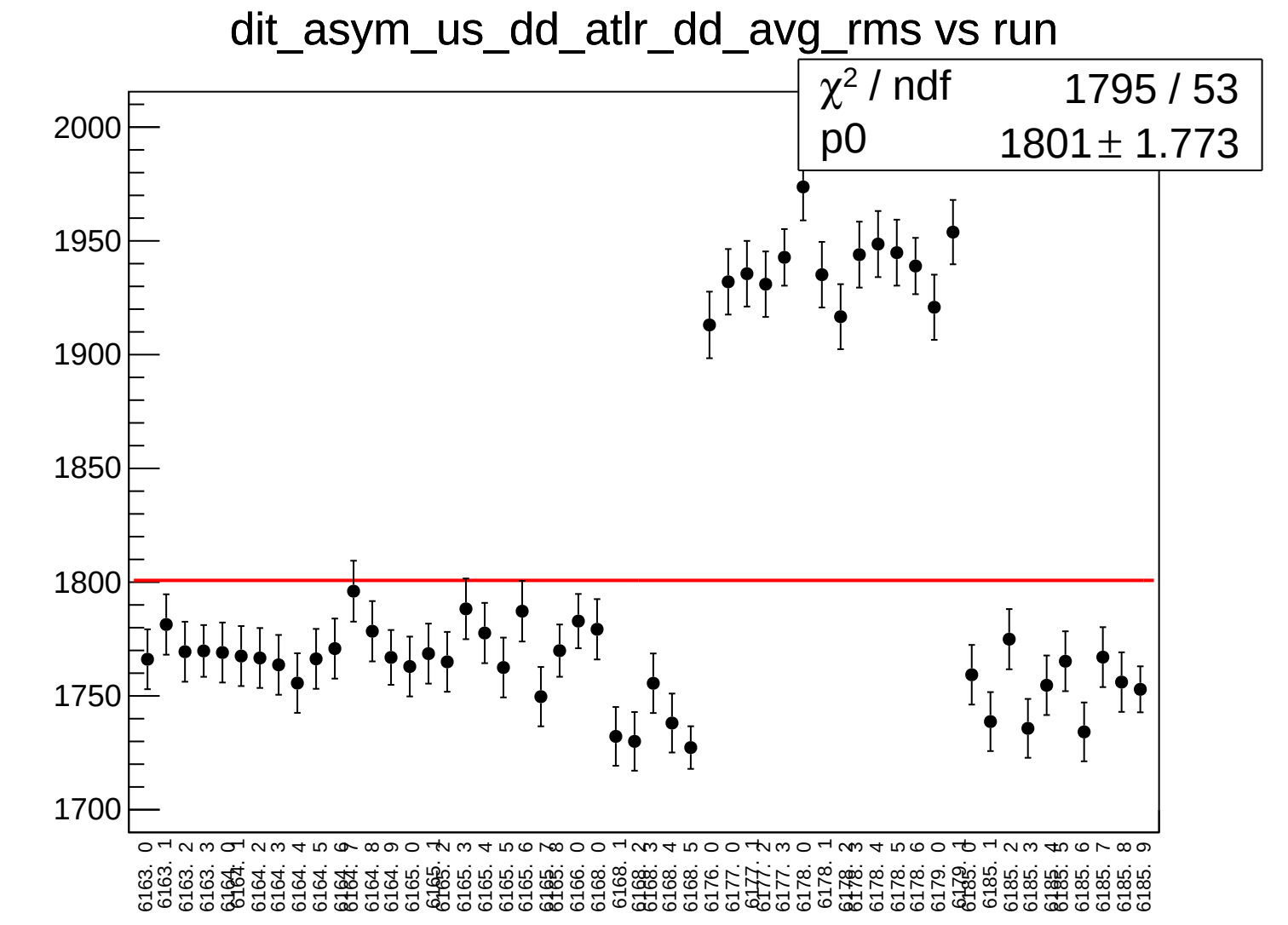

asym_us_dd_atlr_dd_avg_eigen_cor_correction_mean vs run
χ² / ndf 56.86 / 53
p0 5547 ± 2923
pull
Entries 54
Mean 8.025
Std Dev 0

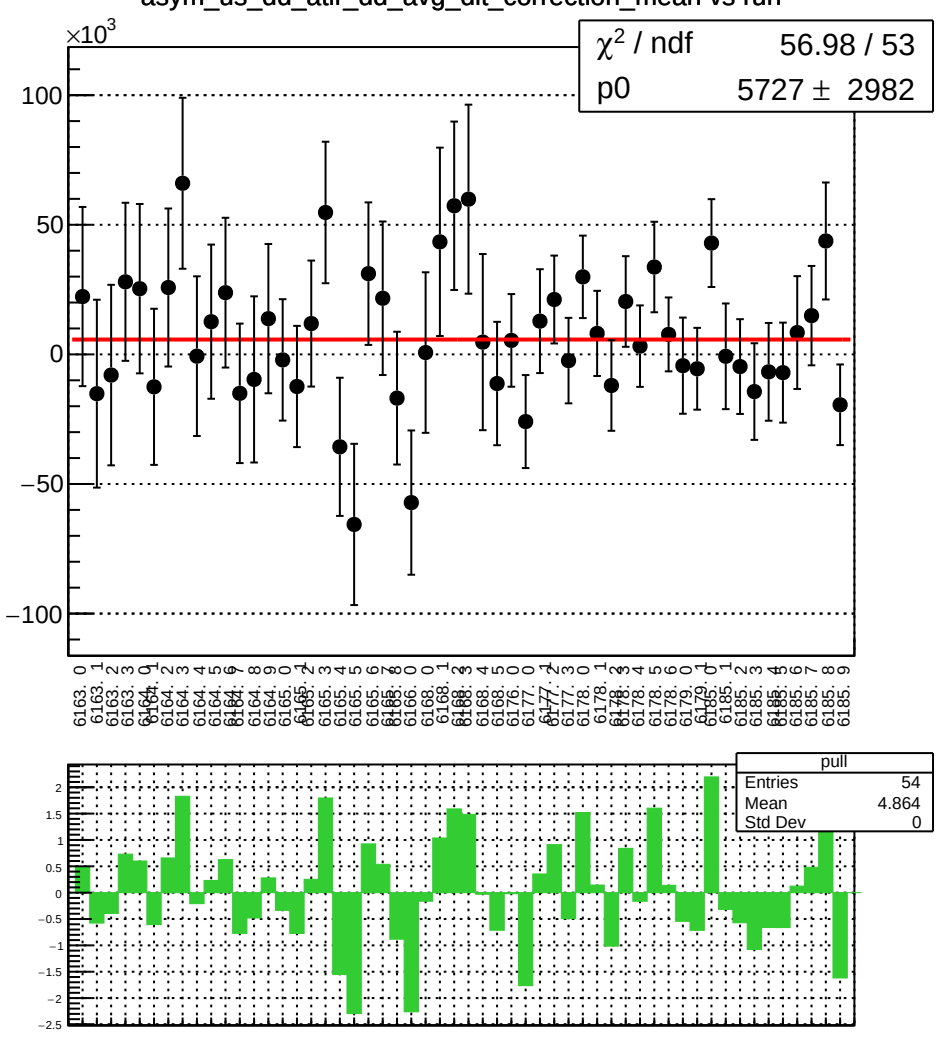

pull1D
Entries 54
Mean 0.02816
Std Dev 1.026

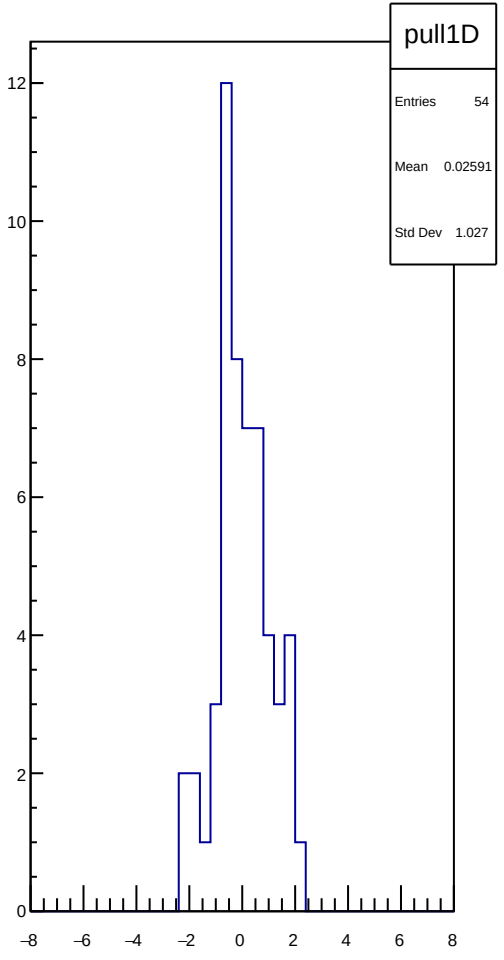

asym_us_dd_atlr_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 7.735e+04 / 53
p0 2021 ± 2.067
3500
3000
2500
2000
1500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

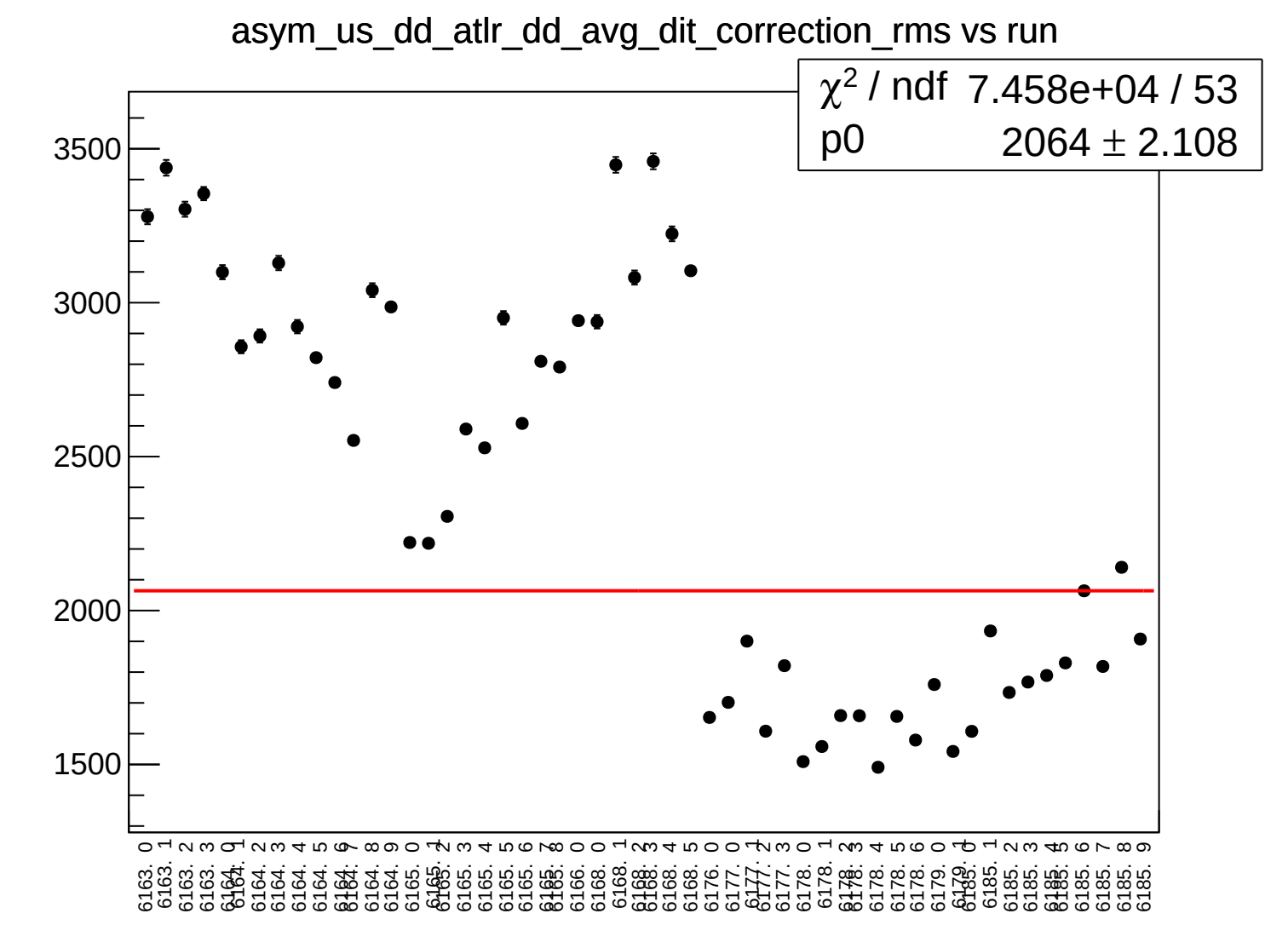

dit_asym_us_dd_atlr_dd_avg_mean vs run
χ² / ndf 51.28 / 53
p0 −2229 ± 2508
pull
Entries 54
Mean 4660
Std Dev 0

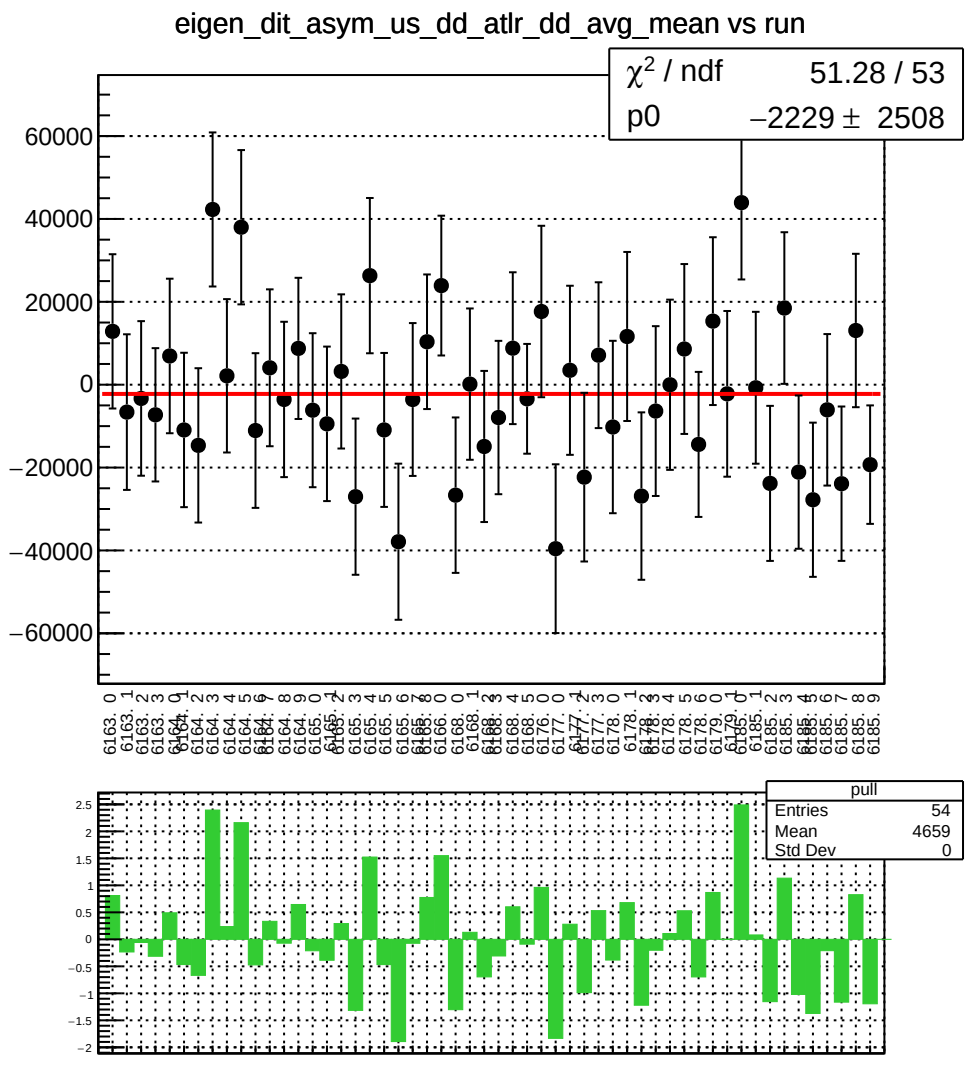

pull1D
Entries 54
Mean −0.0005198
Std Dev 0.9745

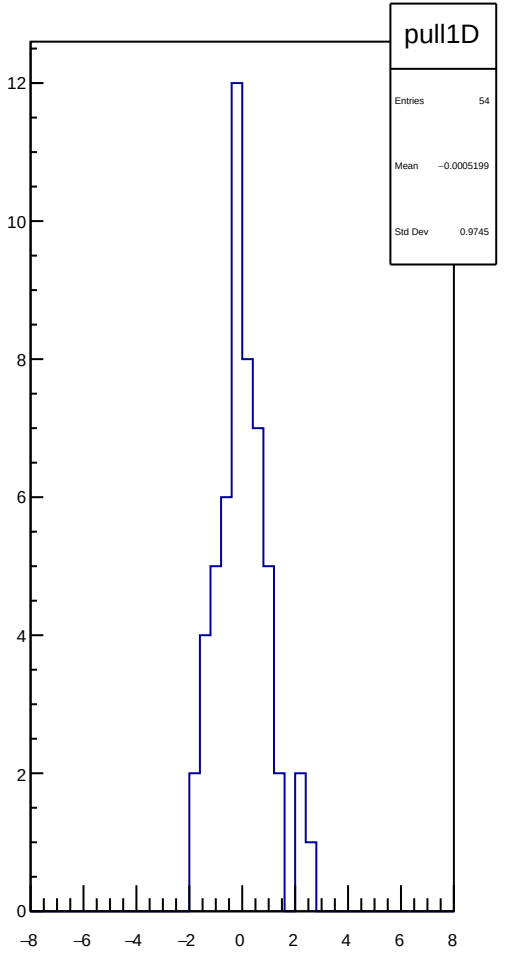

dit_asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 1795 / 53
p0 1801 ± 1.773
2000
1950
1900
1850
1800
1750
1700
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

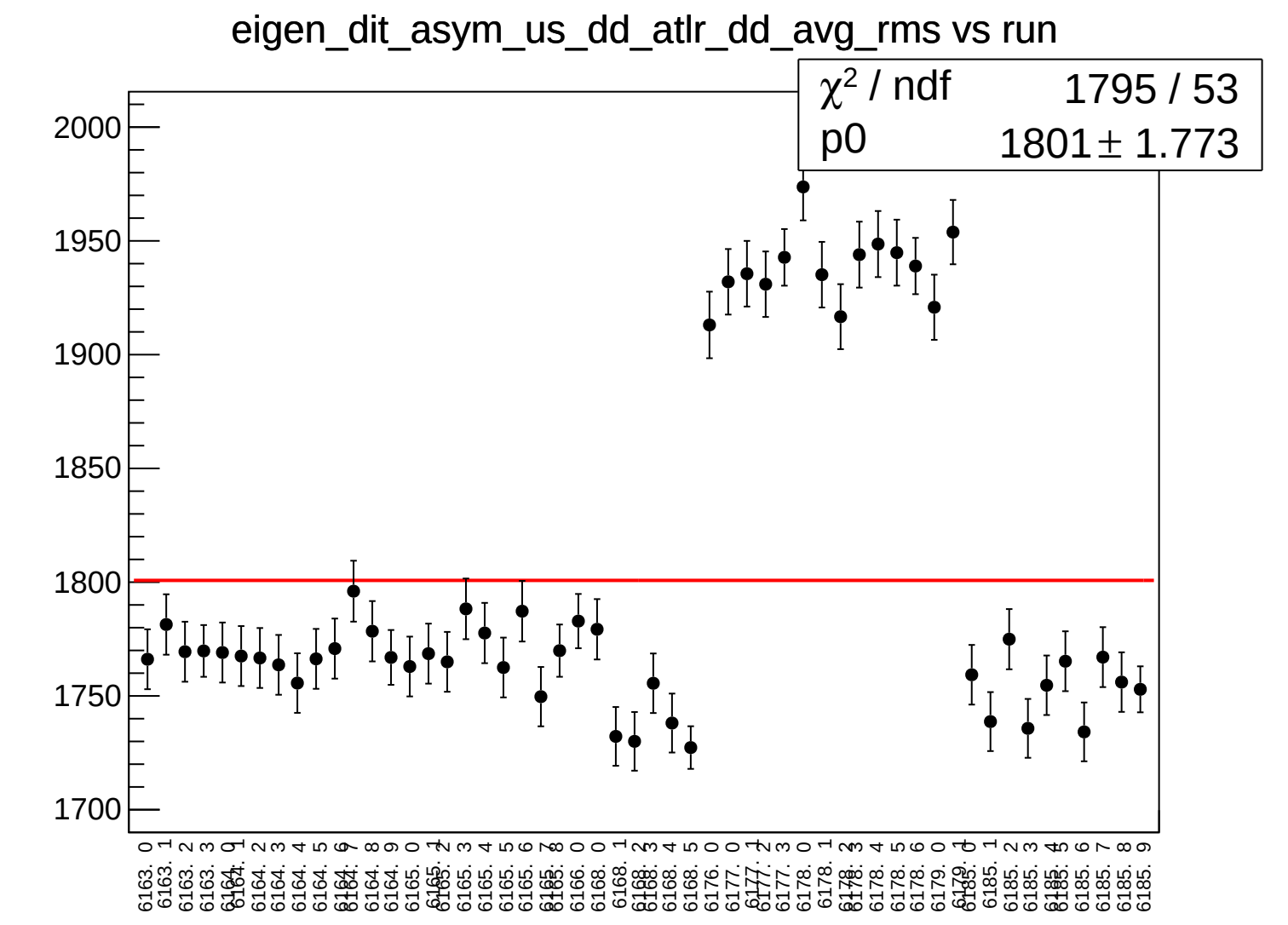

asym_us_dd_atlr_dd_avg_dit_correction_mean vs run
×10^3
χ² / ndf 56.98 / 53
p0 5727 ± 2982
pull
Entries 54
Mean 4.864
Std Dev 0

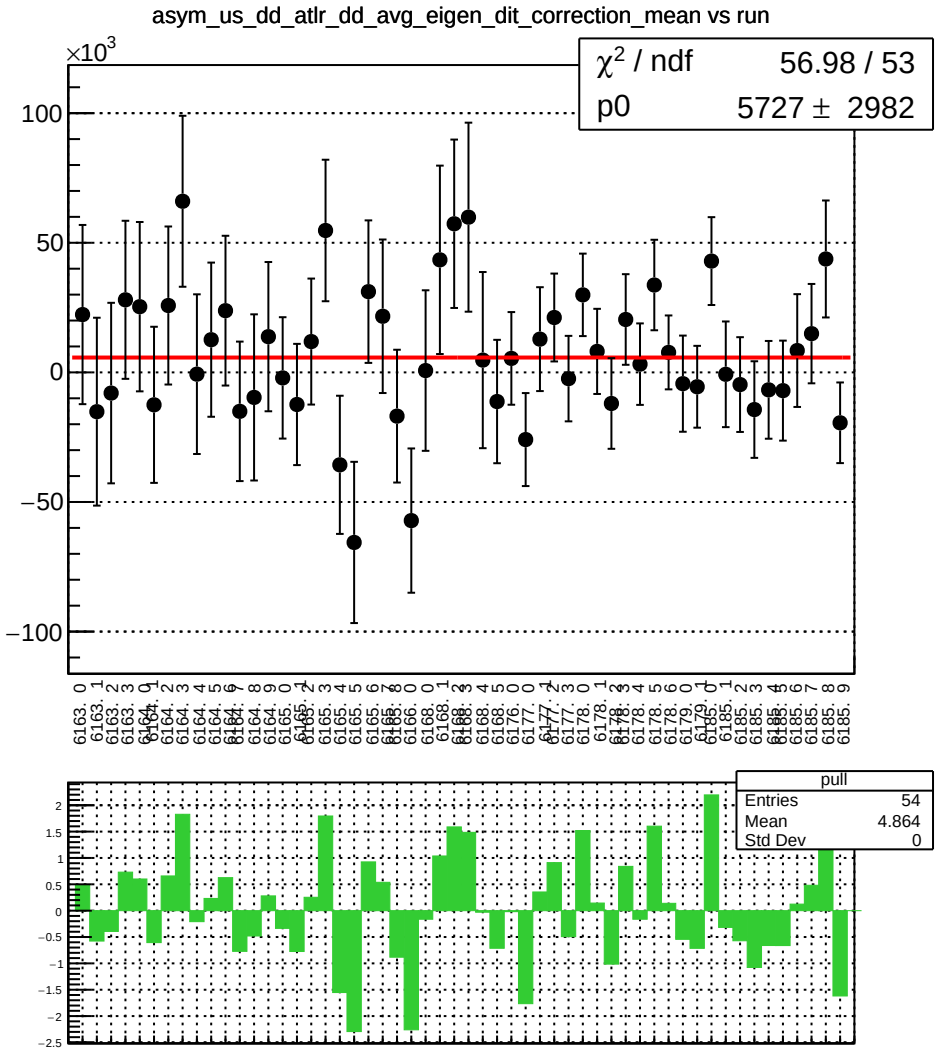

pull1D
Entries 54
Mean 0.02591
Std Dev 1.027

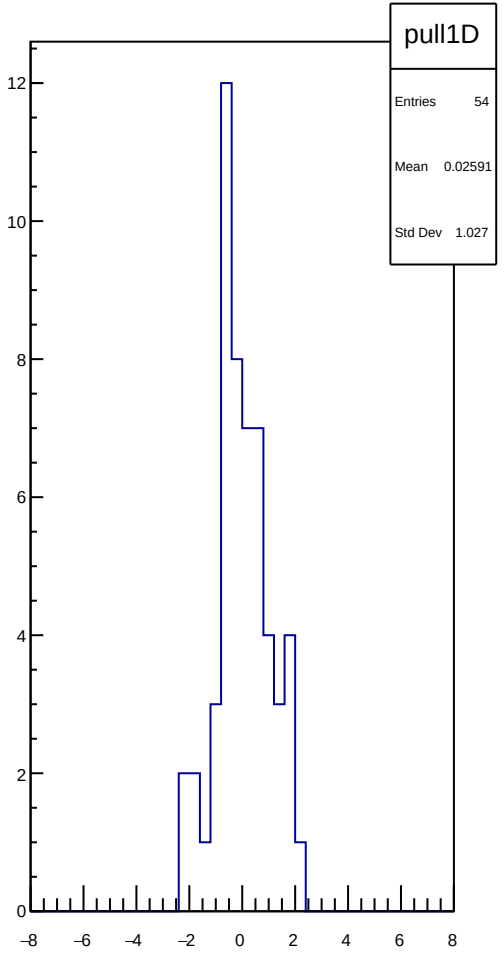

asym_us_dd_atlr_dd_avg_dit_correction_rms vs run
χ² / ndf 7.458e+04 / 53
p0 2064 ± 2.108
3500
3000
2500
2000
1500
6163. 0
6163. 1
6163. 2
6163. 3
6163. 9
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 6
6164. 7
6164. 8
6164. 9
6165. 0
6165. 1
6165. 2
6165. 3
6165. 4
6165. 5
6165. 6
6165. 7
6165. 8
6166. 0
6168. 1
6168. 2
6168. 3
6168. 4
6168. 5
6176. 0
6177. 0
6177. 1
6177. 2
6177. 3
6178. 0
6178. 1
6178. 2
6178. 3
6178. 4
6178. 5
6178. 6
6179. 0
6179. 1
6185. 0
6185. 1
6185. 2
6185. 3
6185. 4
6185. 5
6185. 6
6185. 7
6185. 8
6185. 9

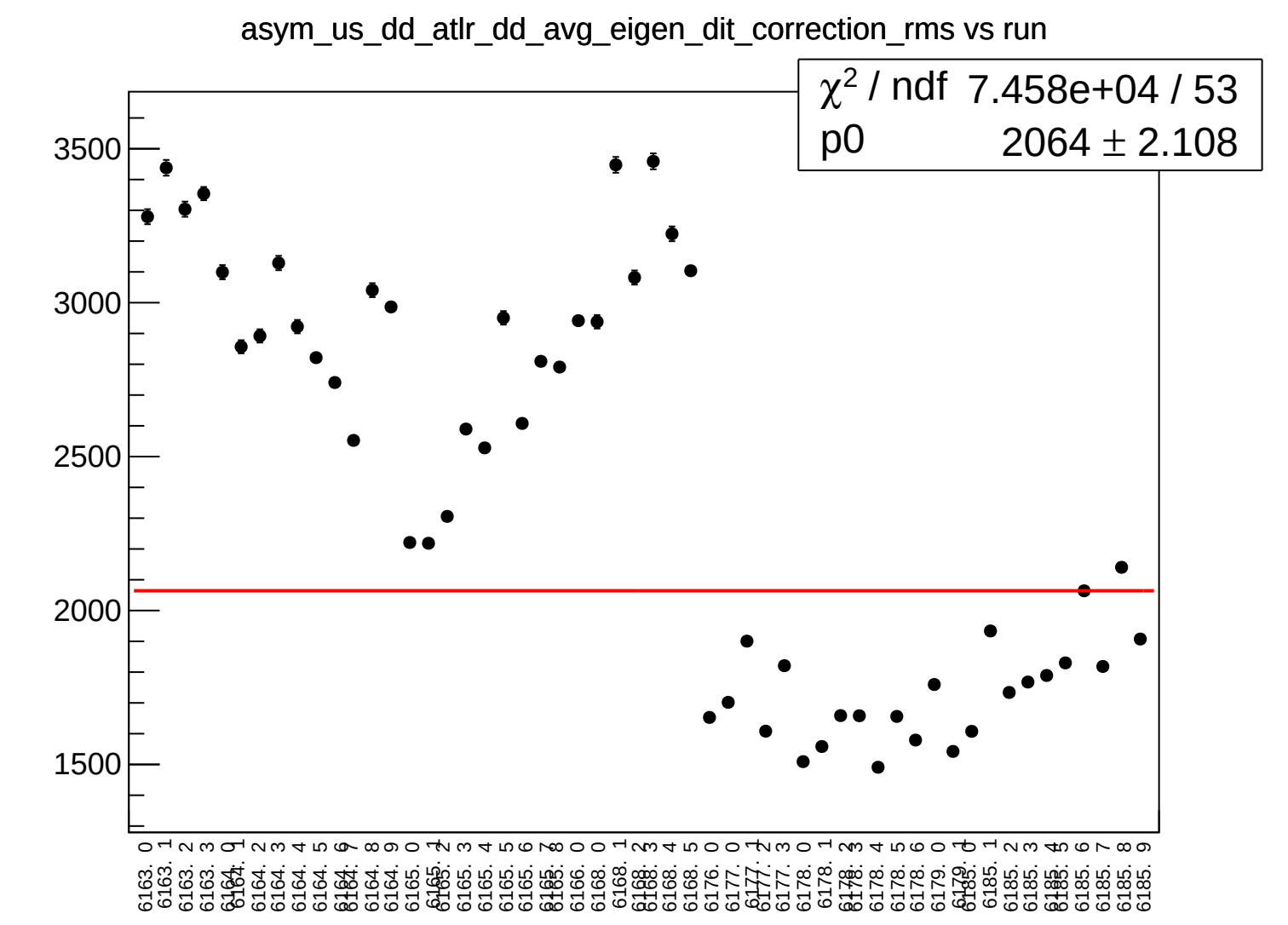

eigen_dit_asym_us_dd_atlr_dd_avg_mean vs run
χ² / ndf 51.28 / 53
p0 −2229 ± 2508
pull
Entries 54
Mean 4659
Std Dev 0

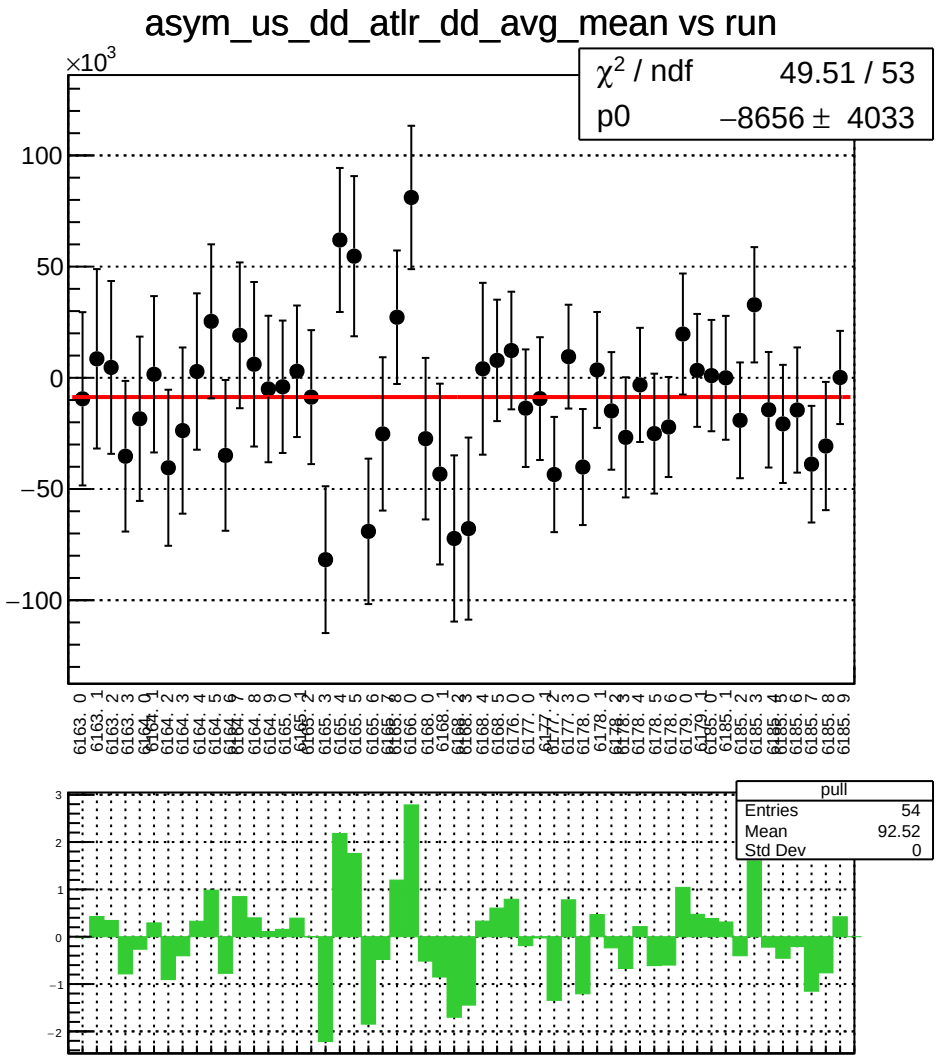

pull1D
Entries 54
Mean −0.0005199
Std Dev 0.9745

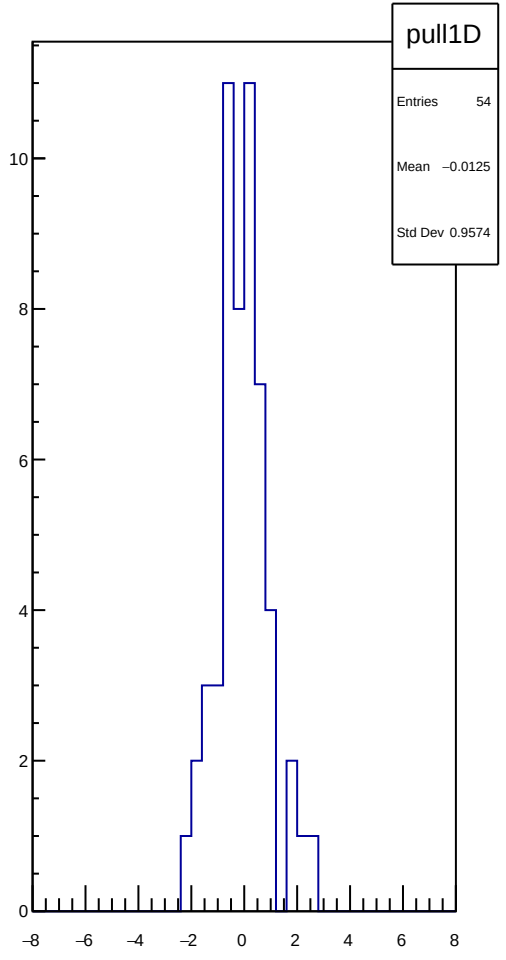

eigen_dit_asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 1795 / 53
p0 1801 ± 1.773
2000
1950
1900
1850
1800
1750
1700
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

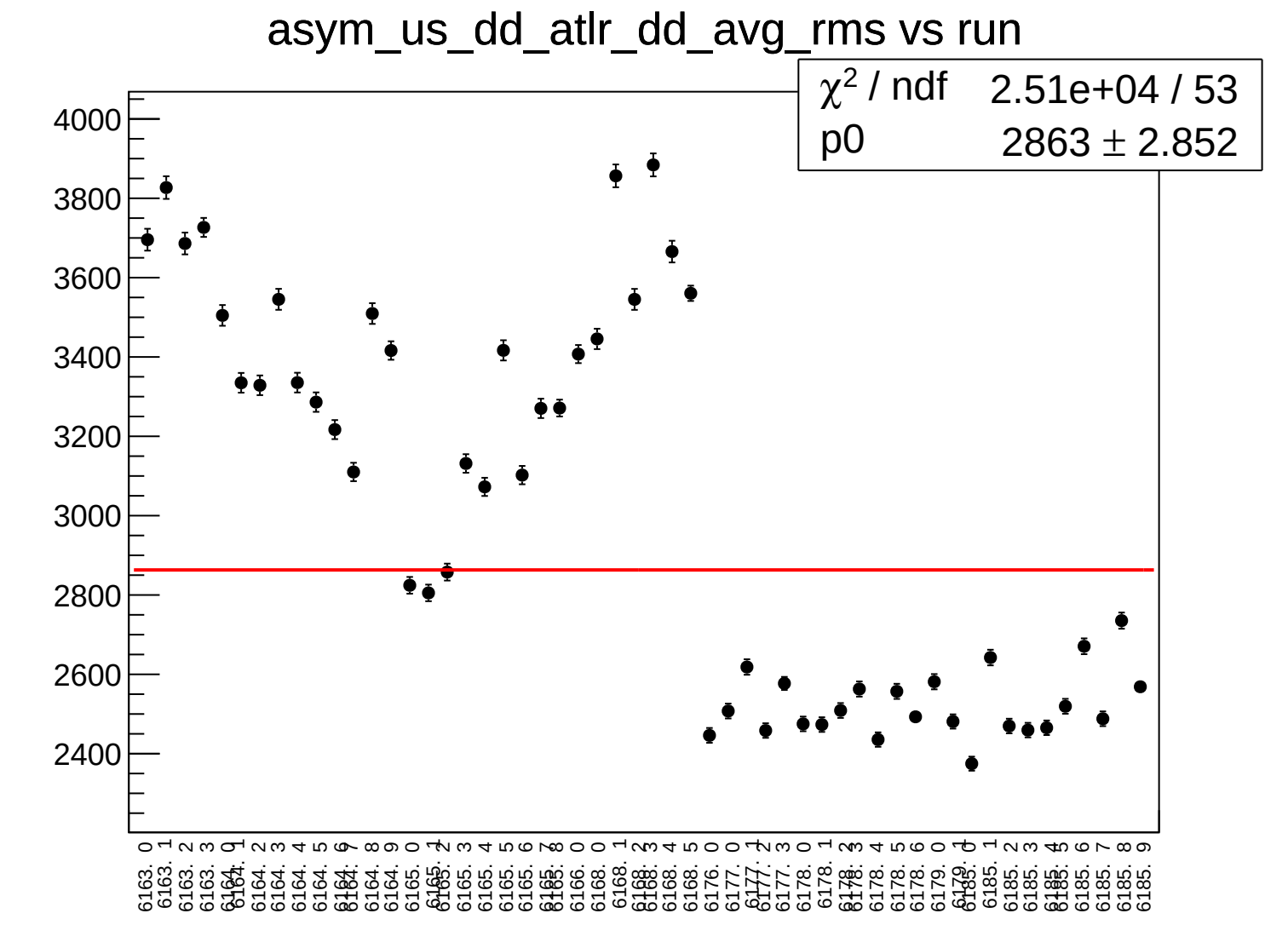

asym_us_dd_atlr_dd_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 56.98 / 53
p0 5727 ± 2982
100
50
0
−50
−100
pull
Entries 54
Mean 4.864
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

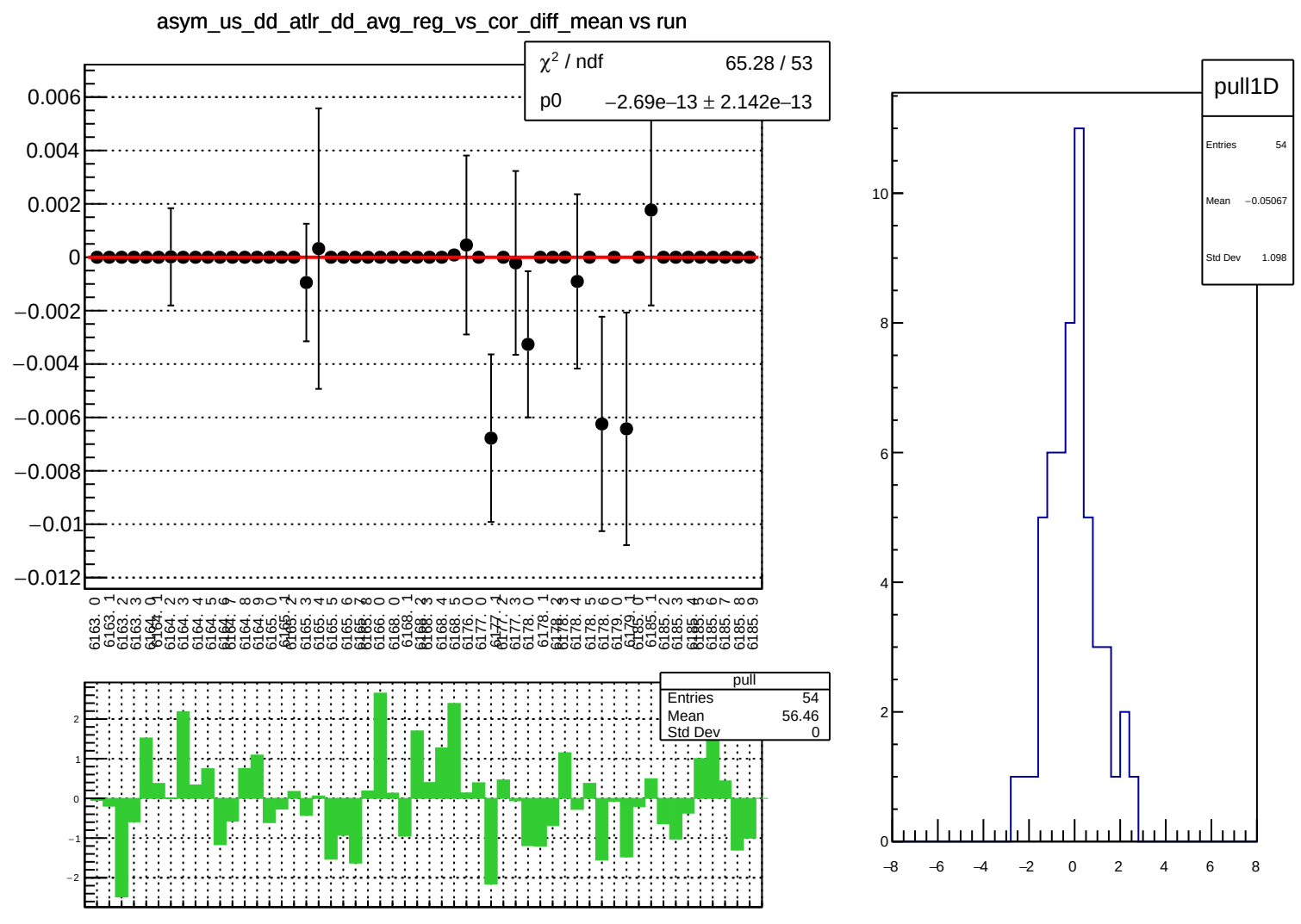

pull1D
Entries 54
Mean 0.02591
Std Dev 1.027
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

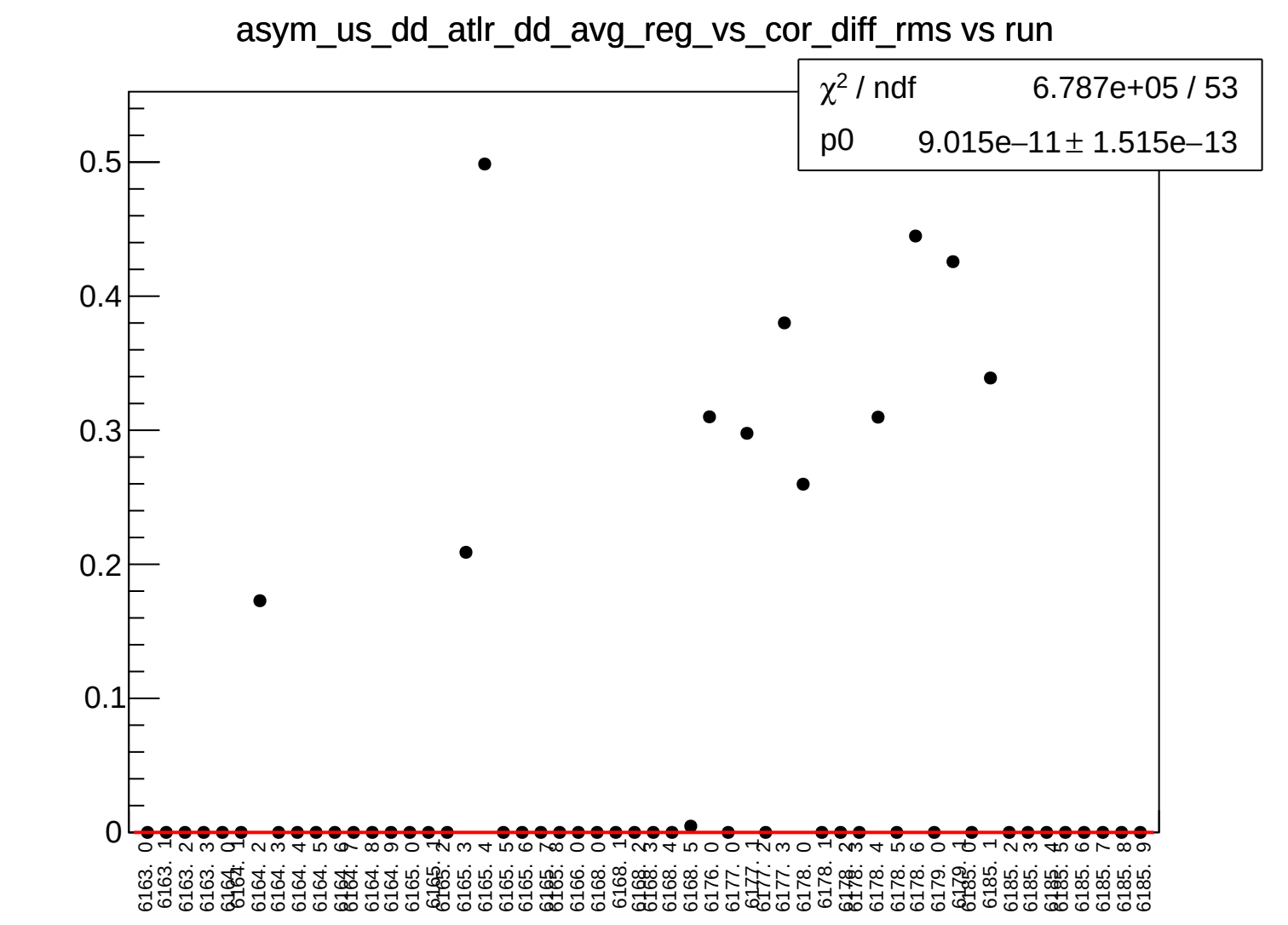

asym_us_dd_atlr_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 7.458e+04 / 53
p0 2064 ± 2.108
3500
3000
2500
2000
1500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

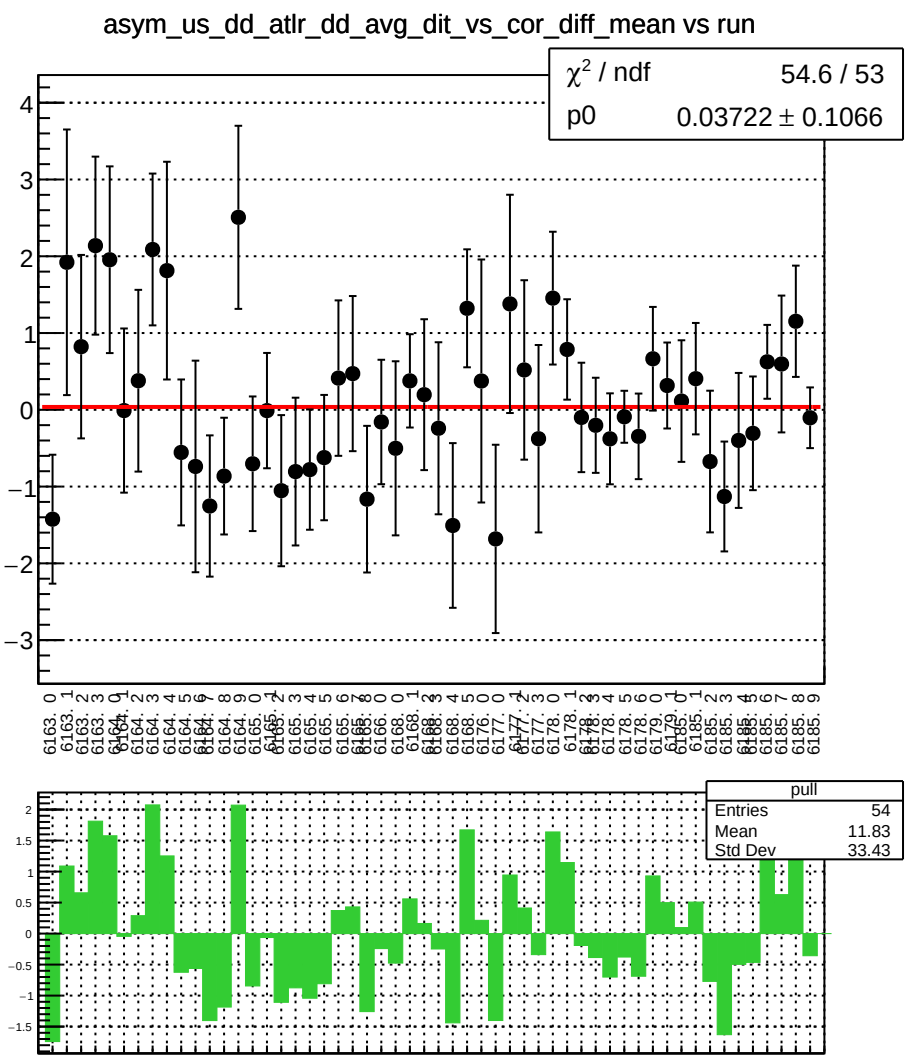

asym_us_dd_atlr_dd_avg_mean vs run
χ² / ndf 49.51 / 53
p0 −8656 ± 4033
×10³
pull
Entries 54
Mean 92.52
Std Dev 0

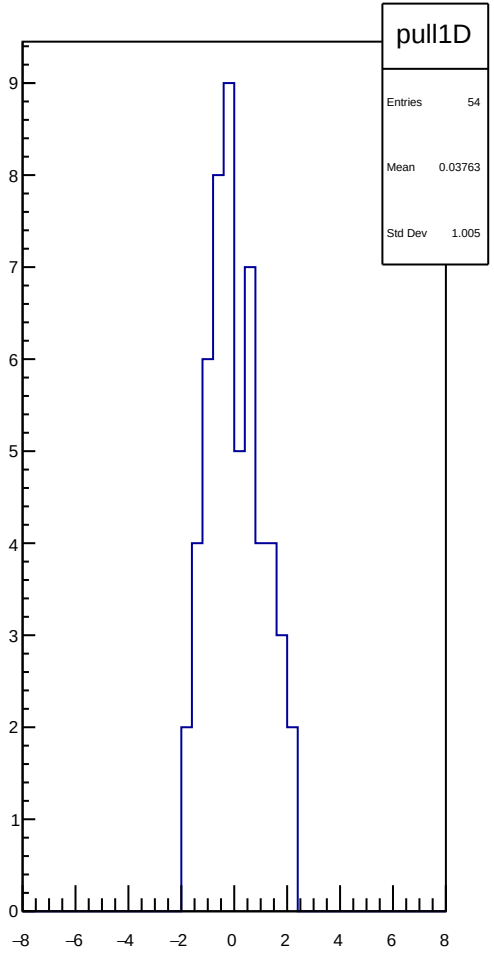

pull1D
Entries 54
Mean −0.0125
Std Dev 0.9574

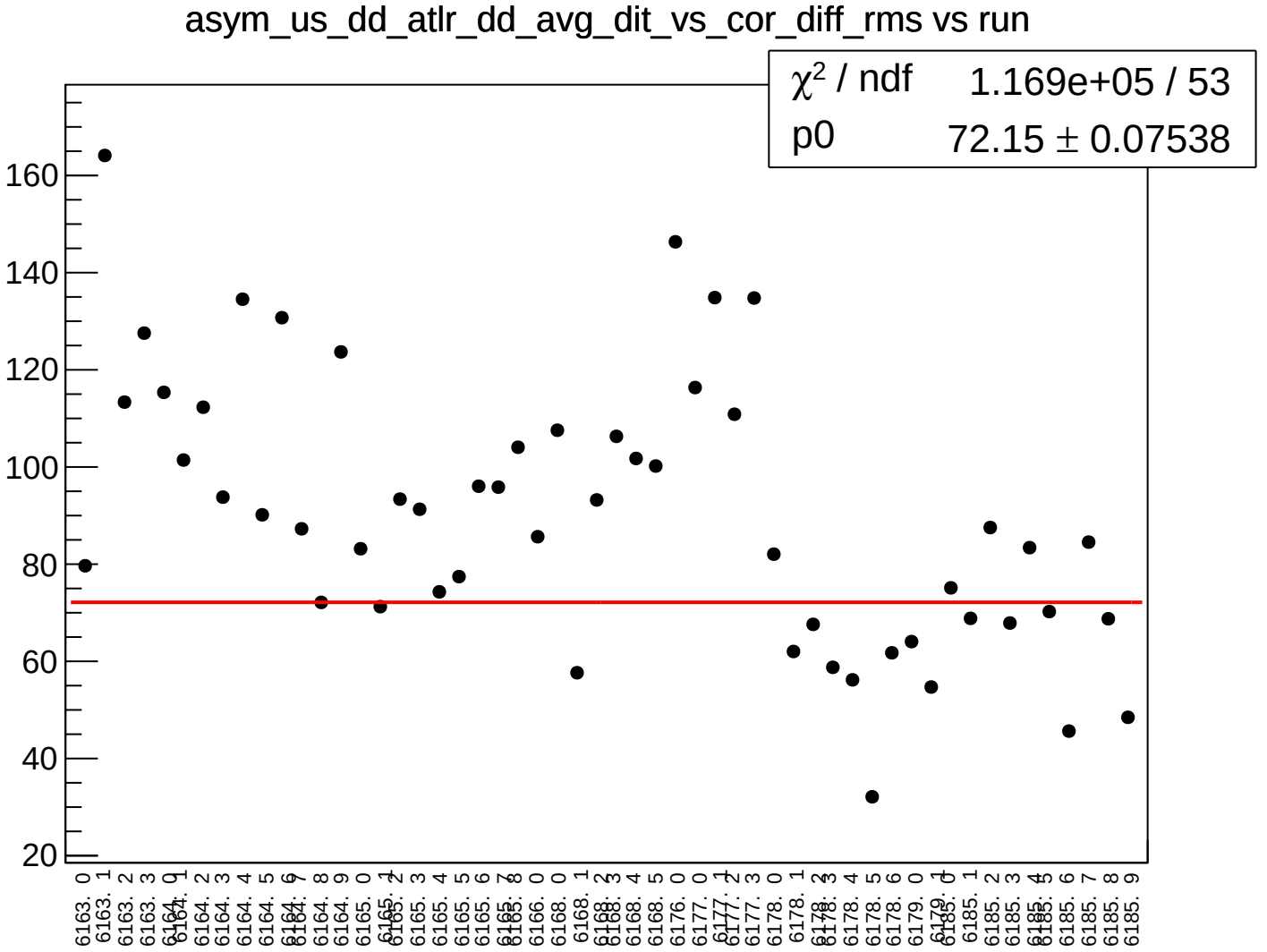

asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 2.51e+04 / 53
p0 2863 ± 2.852
4000
3800
3600
3400
3200
3000
2800
2600
2400
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

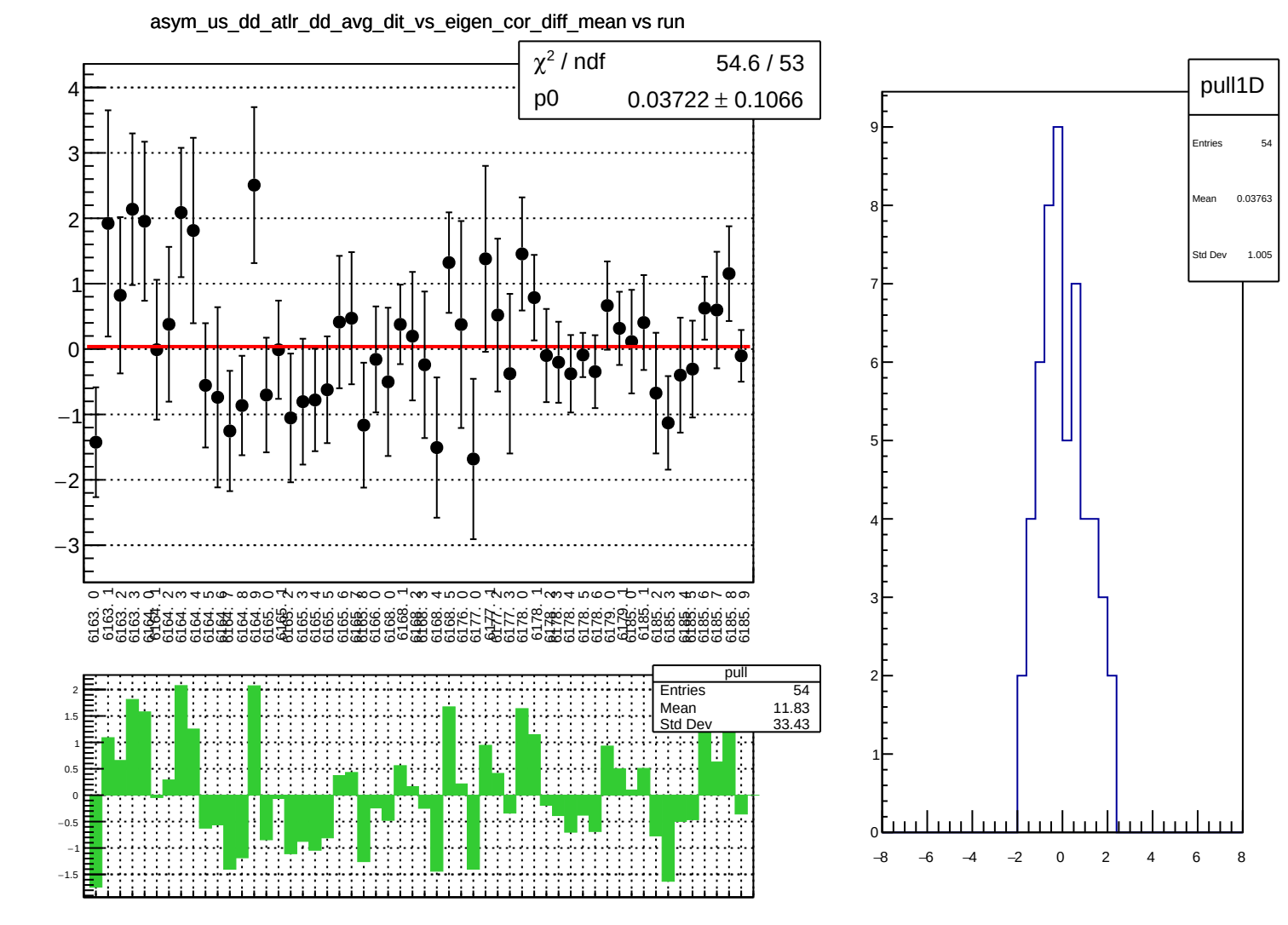

asym_us_dd_atlr_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 65.28 / 53
p0 −2.69e−13 ± 2.142e−13
0.006
0.004
0.002
0
−0.002
−0.004
−0.006
−0.008
−0.01
−0.012
pull
Entries 54
Mean 56.46
Std Dev 0
pull1D
Entries 54
Mean −0.05067
Std Dev 1.098
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

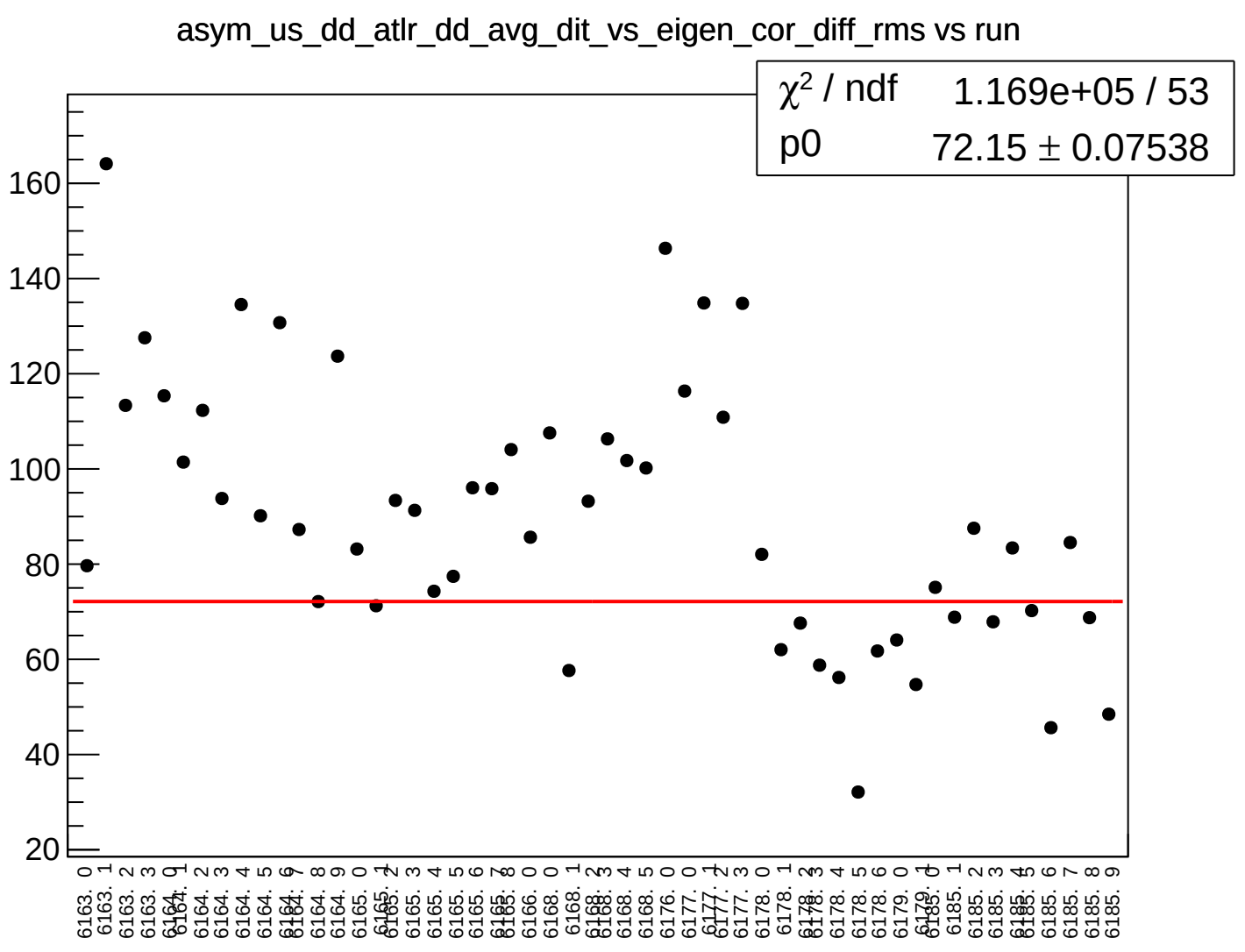

asym_us_dd_atlr_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.787e+05 / 53
p0 9.015e−11 ± 1.515e−13
0.5
0.4
0.3
0.2
0.1
0
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 7
6164. 8
6164. 9
6165. 0
6165. 2
6165. 3
6165. 4
6165. 5
6165. 6
6165. 7
6165. 8
6166. 0
6168. 0
6168. 1
6168. 2
6168. 3
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 2
6178. 3
6178. 4
6178. 5
6178. 6
6179. 0
6179. 1
6185. 0
6185. 1
6185. 2
6185. 3
6185. 4
6185. 5
6185. 6
6185. 7
6185. 8
6185. 9

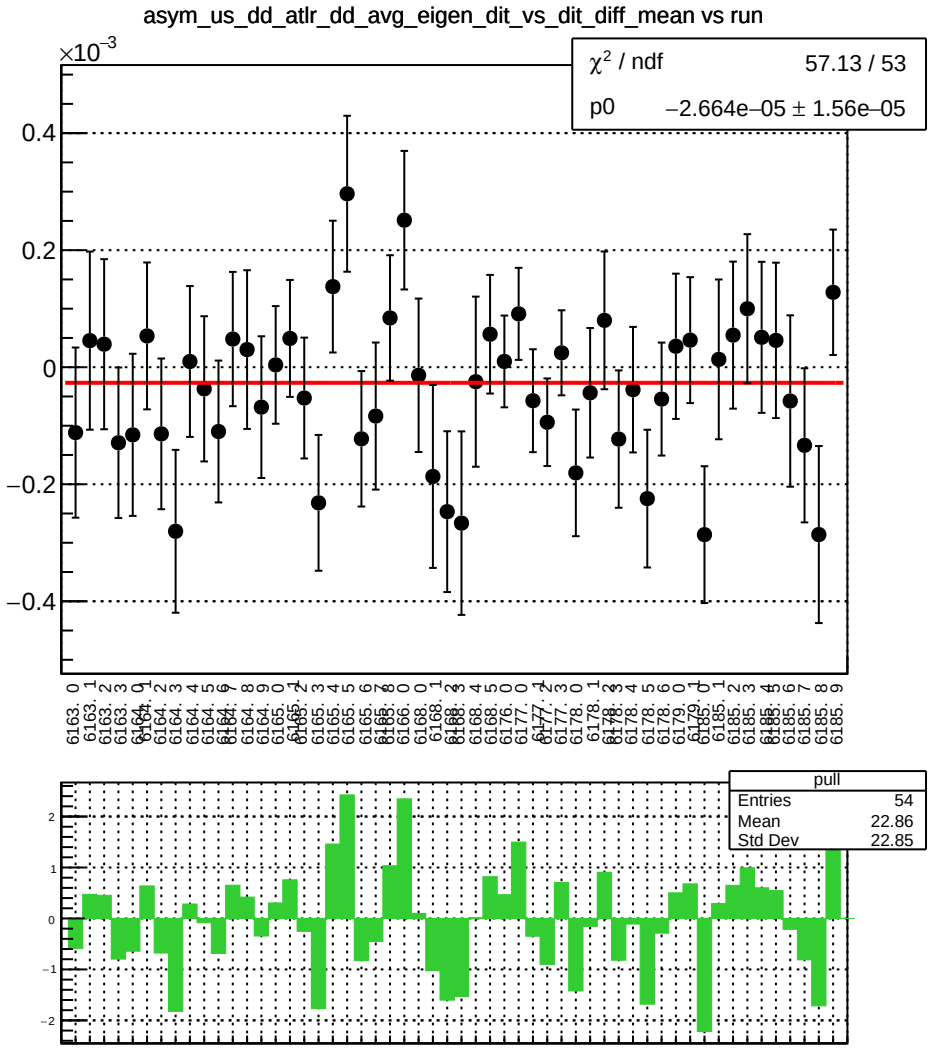

asym_us_dd_atlr_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 54.6 / 53
p0 0.03722 ± 0.1066
pull
Entries 54
Mean 11.83
Std Dev 33.43

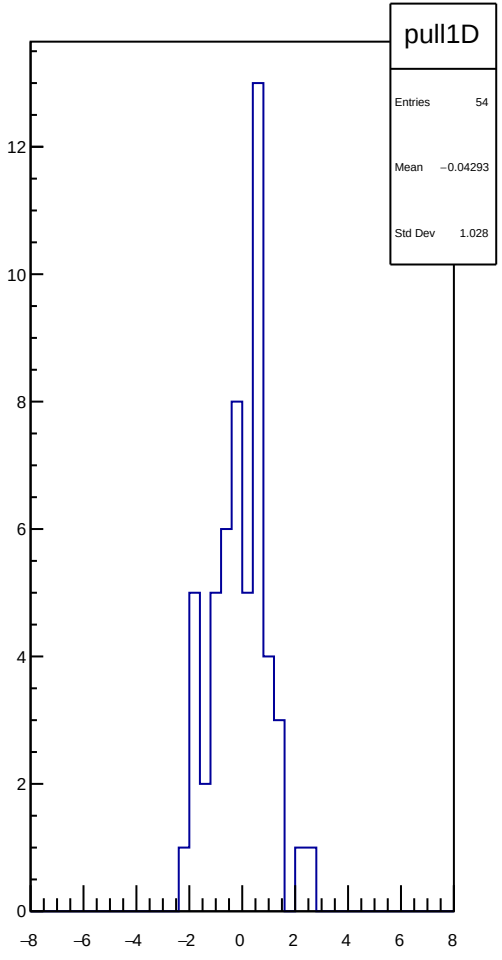

pull1D
Entries 54
Mean 0.03763
Std Dev 1.005

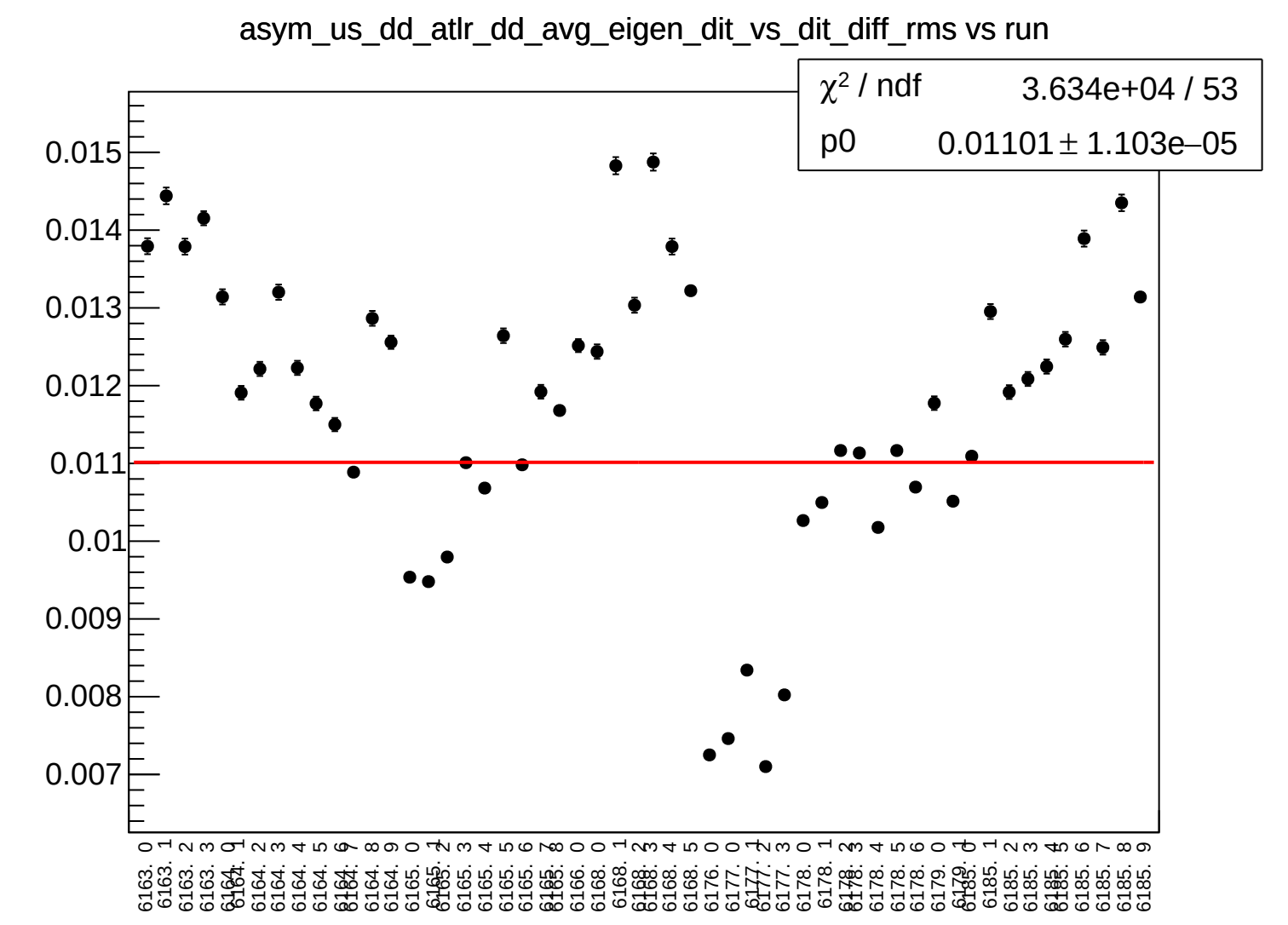

asym_us_dd_atlr_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.169e+05 / 53
p0 72.15 ± 0.07538
160
140
120
100
80
60
40
20
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

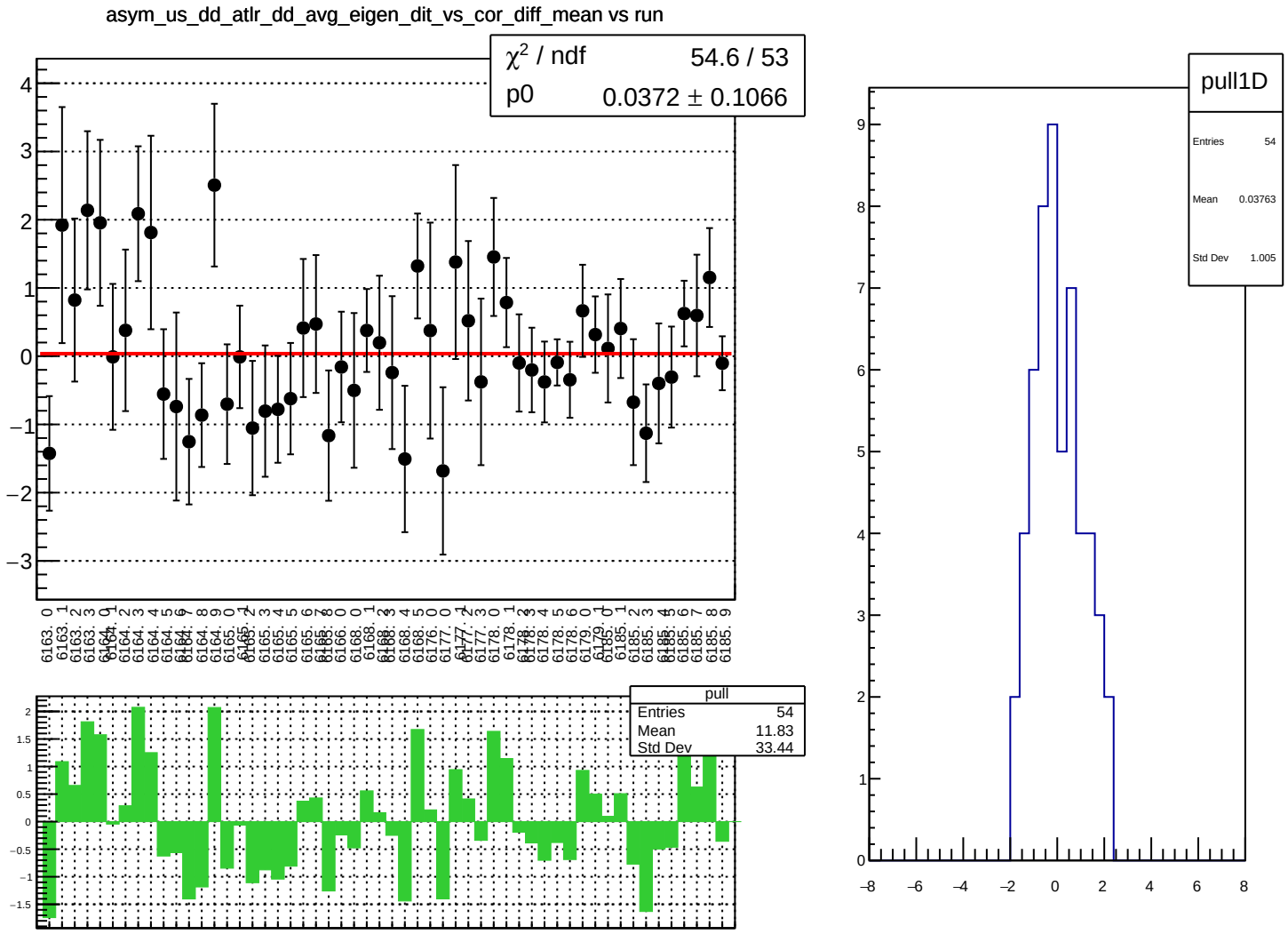

asym_us_dd_atlr_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 54.6 / 53
p0 0.03722 ± 0.1066
pull
Entries 54
Mean 11.83
Std Dev 33.43
pull1D
Entries 54
Mean 0.03763
Std Dev 1.005

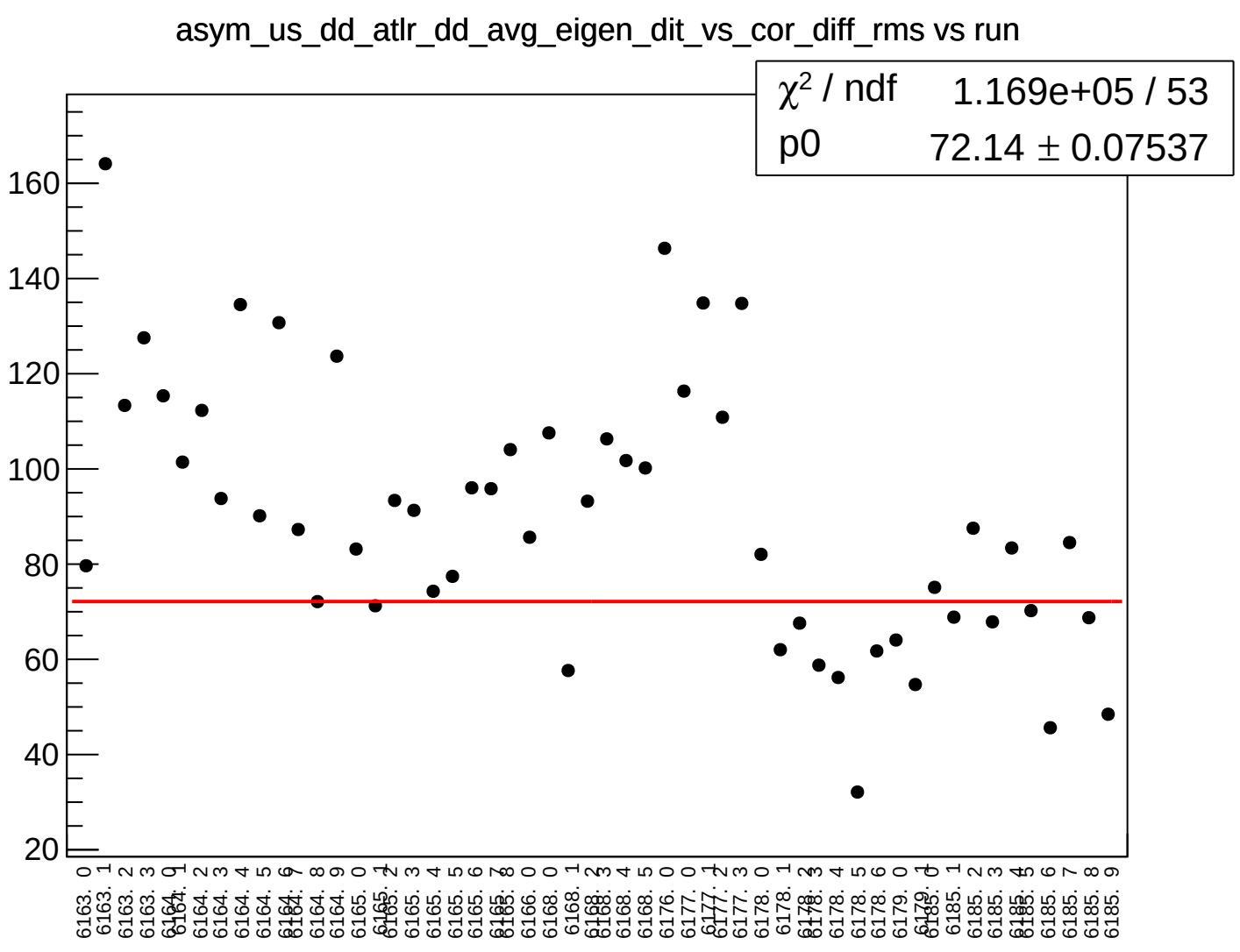

asym_us_dd_atlr_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.169e+05 / 53
p0 72.15 ± 0.07538
160
140
120
100
80
60
40
20
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

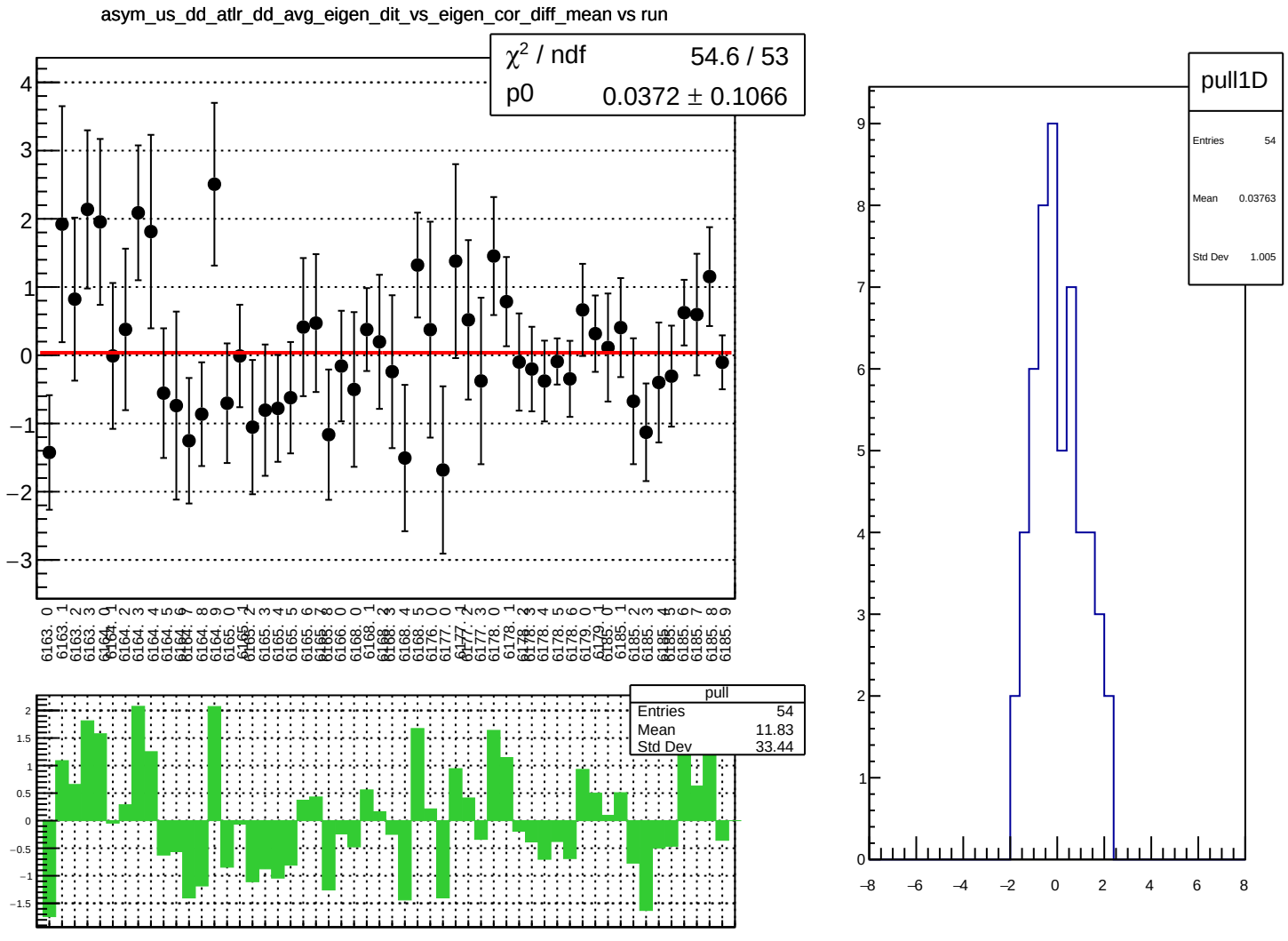

asym_us_dd_atlr_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 57.13 / 53
p0 −2.664e−05 ± 1.56e−05
0.4
0.2
0
−0.2
−0.4
pull
Entries 54
Mean 22.86
Std Dev 22.85
2
1
0
−1
−2

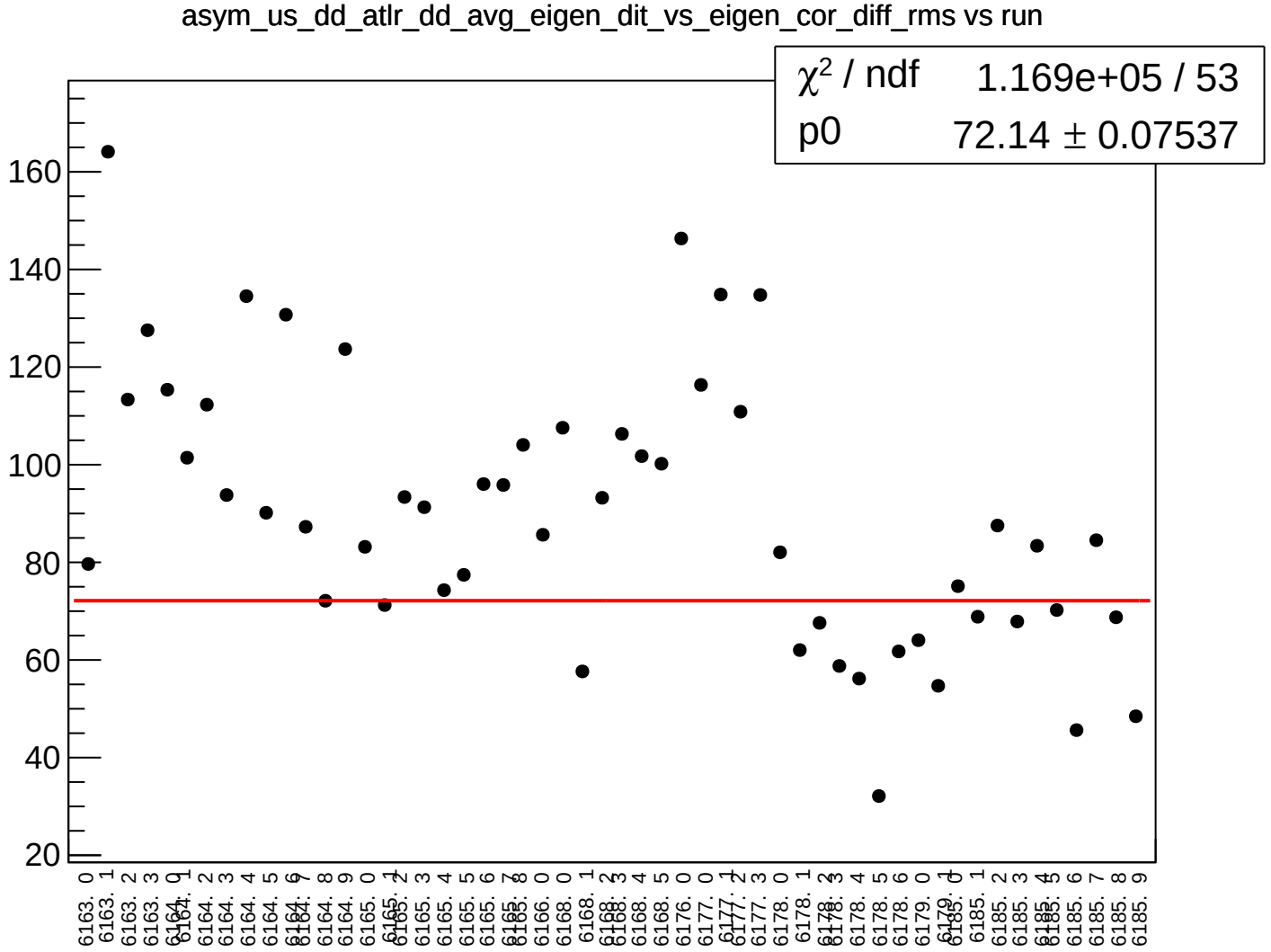

pull1D
Entries 54
Mean −0.04293
Std Dev 1.028
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

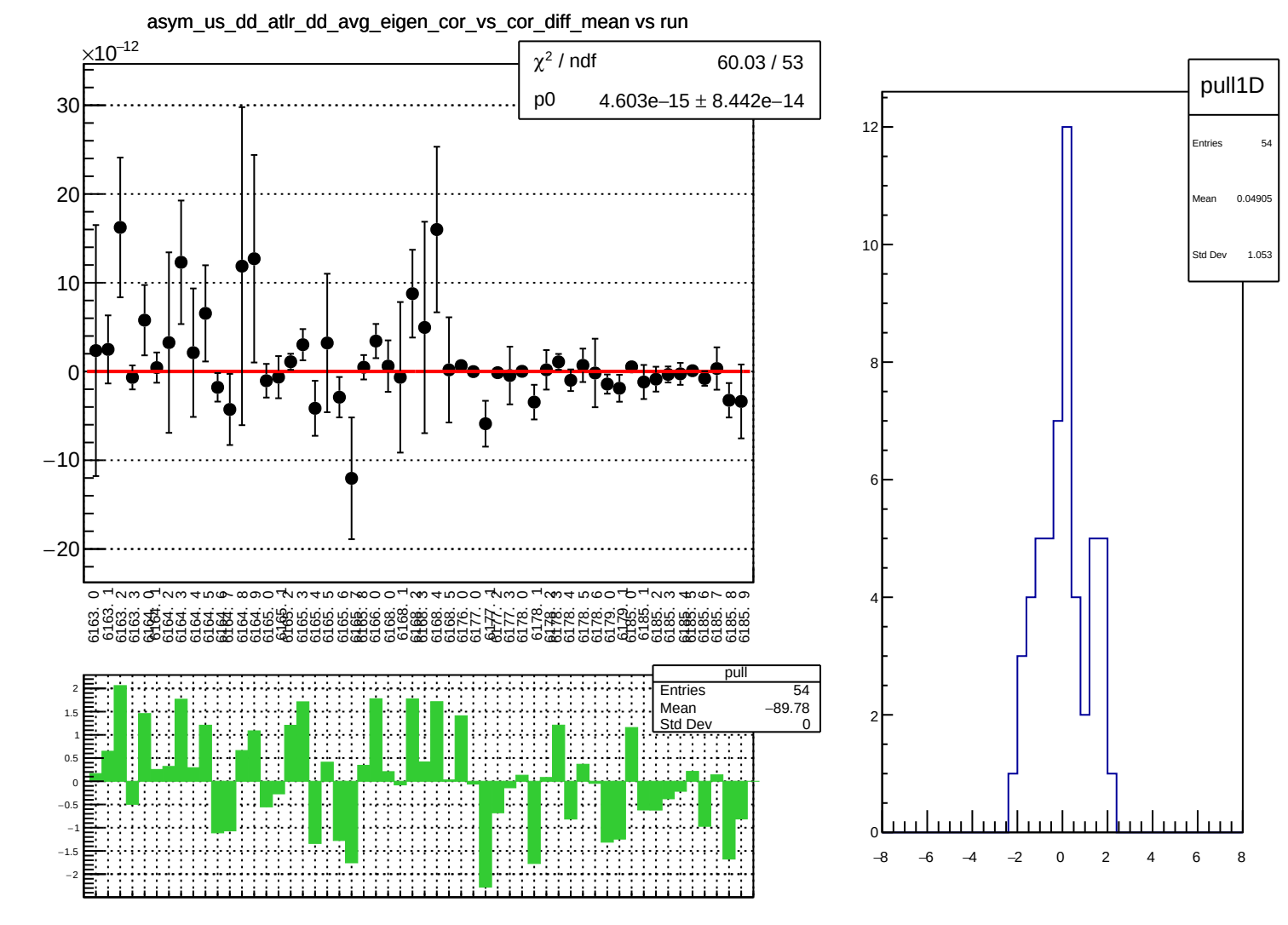

asym_us_dd_atlr_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3.634e+04 / 53
p0 0.01101 ± 1.103e–05
0.015
0.014
0.013
0.012
0.011
0.01
0.009
0.008
0.007
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

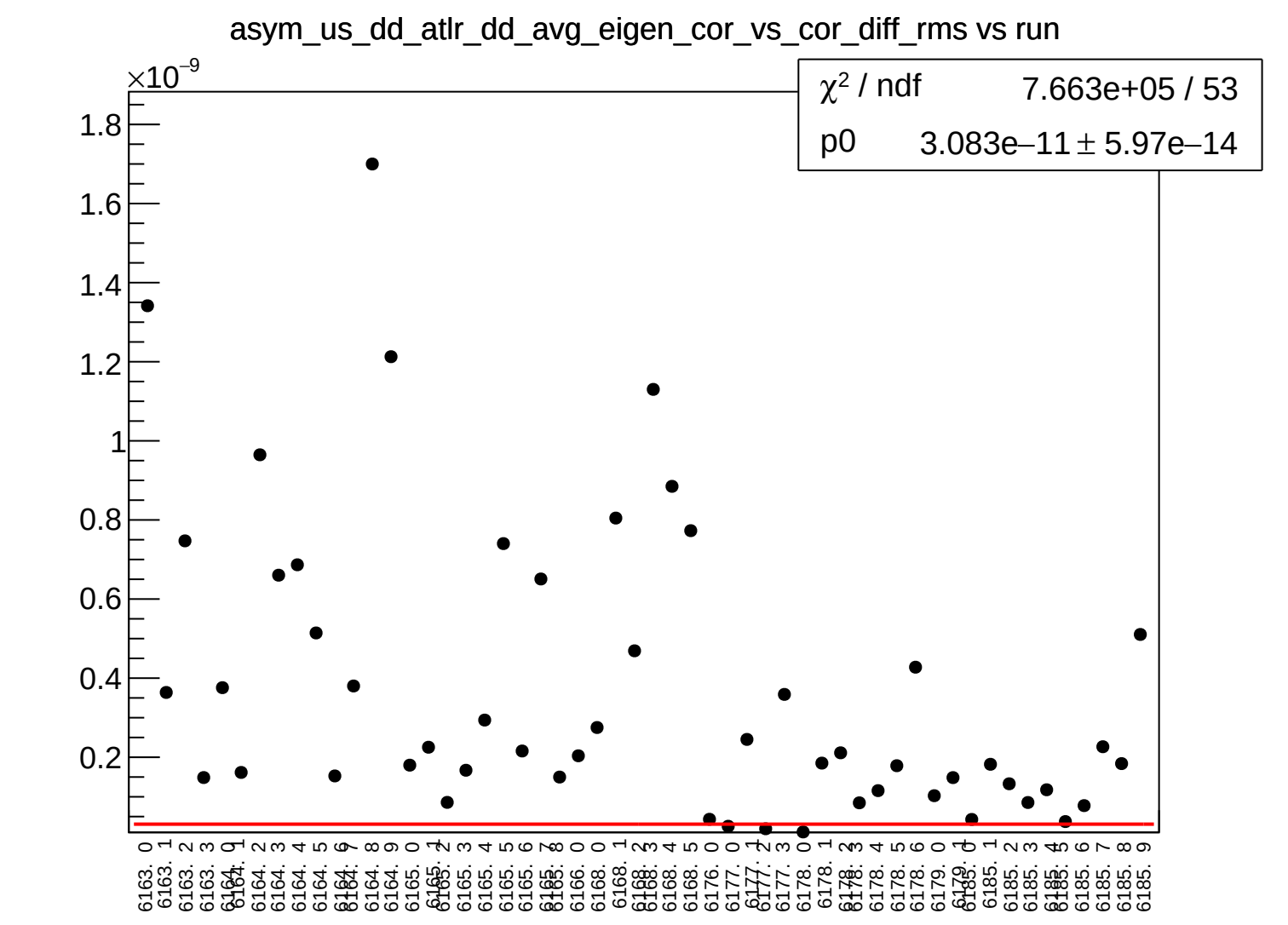

asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 54.6 / 53
p0 0.0372 ± 0.1066
pull
Entries 54
Mean 11.83
Std Dev 33.44
pull1D
Entries 54
Mean 0.03763
Std Dev 1.005

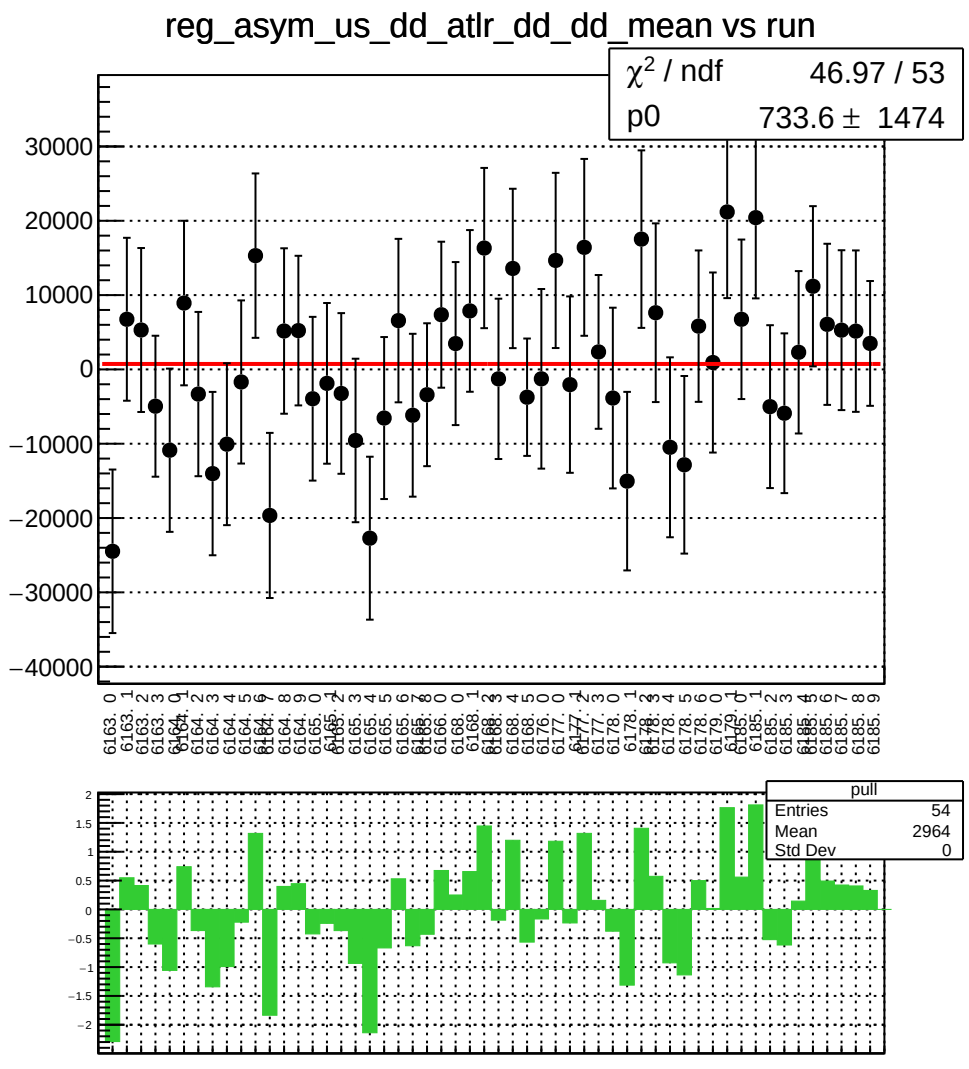

asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.169e+05 / 53
p0 72.14 ± 0.07537
160
140
120
100
80
60
40
20
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

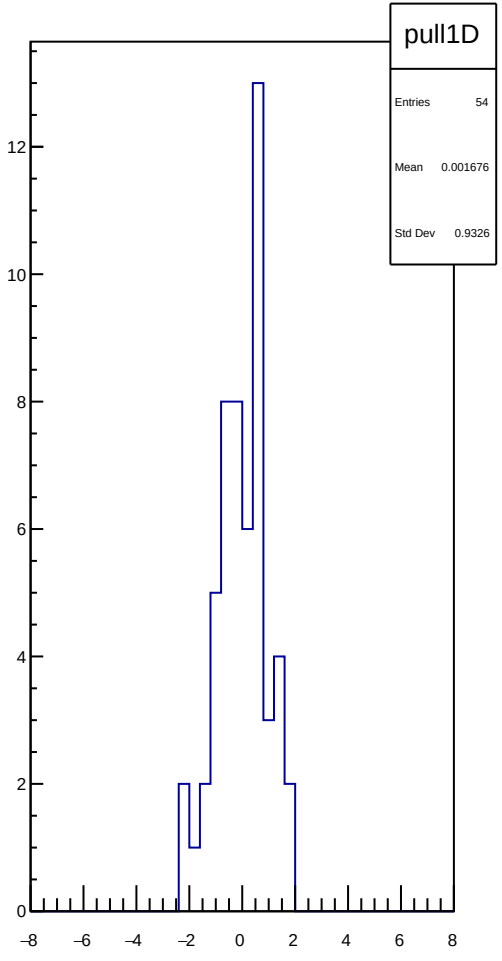

asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 54.6 / 53
p0 0.0372 ± 0.1066
pull
Entries 54
Mean 11.83
Std Dev 33.44
pull1D
Entries 54
Mean 0.03763
Std Dev 1.005

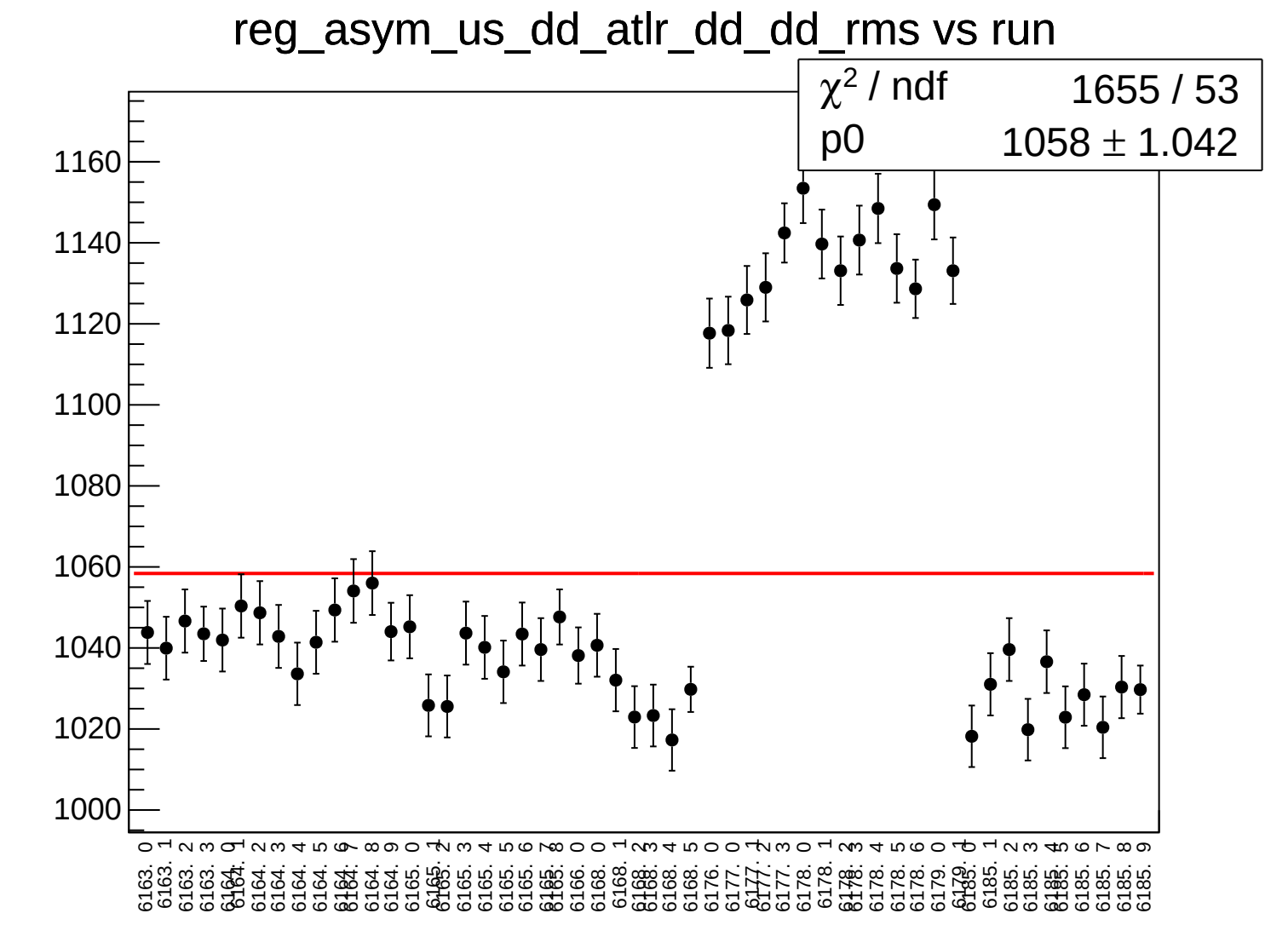

asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.169e+05 / 53
p0 72.14 ± 0.07537
160
140
120
100
80
60
40
20
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

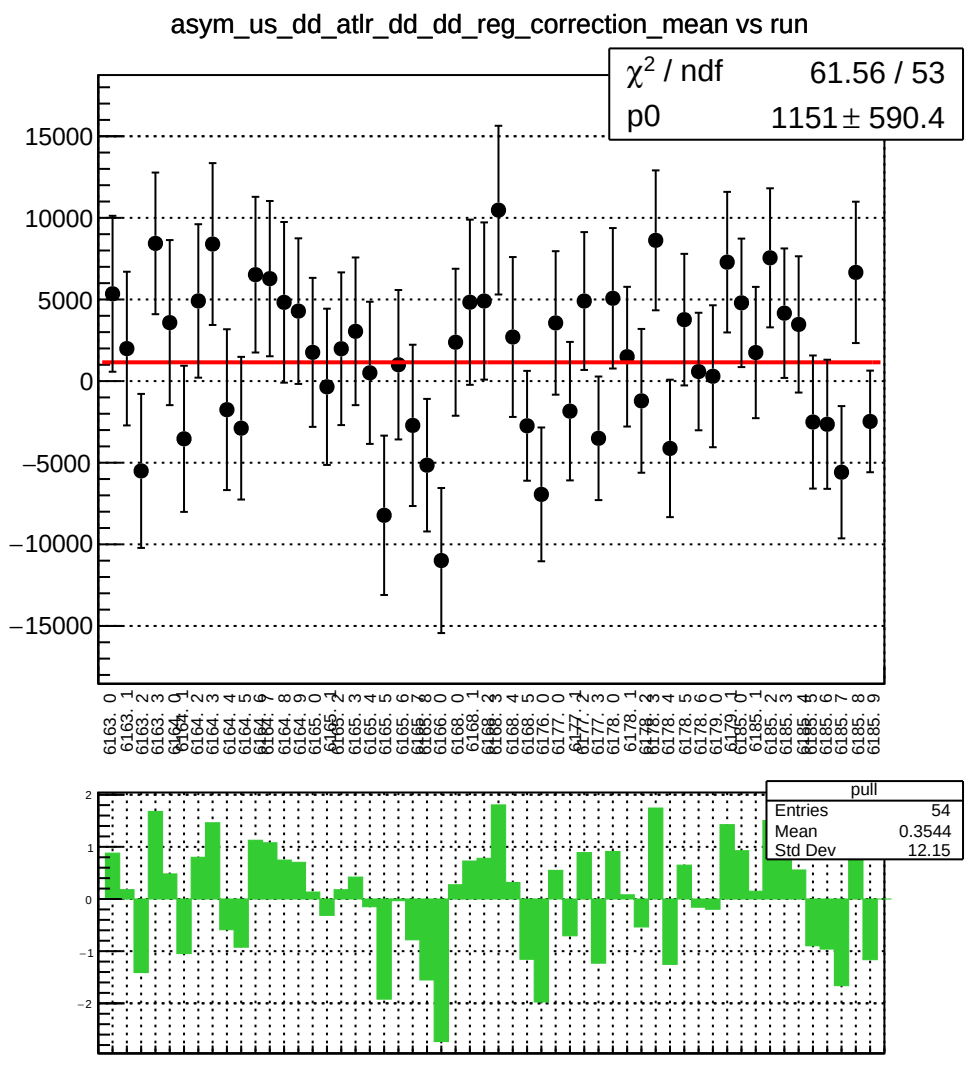

asym_us_dd_atlr_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 60.03 / 53
p0 4.603e−15 ± 8.442e−14
pull
Entries 54
Mean −89.78
Std Dev 0
pull1D
Entries 54
Mean 0.04905
Std Dev 1.053

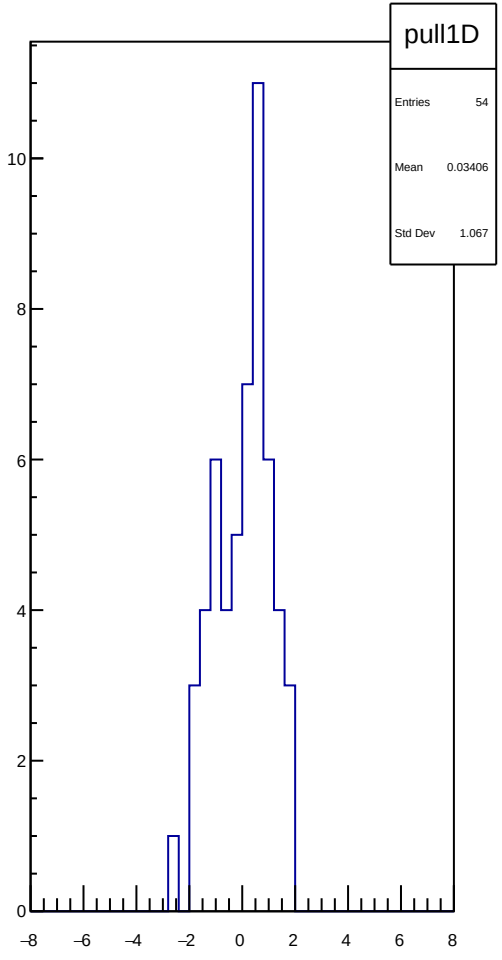

asym_us_dd_atlr_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 7.663e+05 / 53
p0 3.083e−11 ± 5.97e−14
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

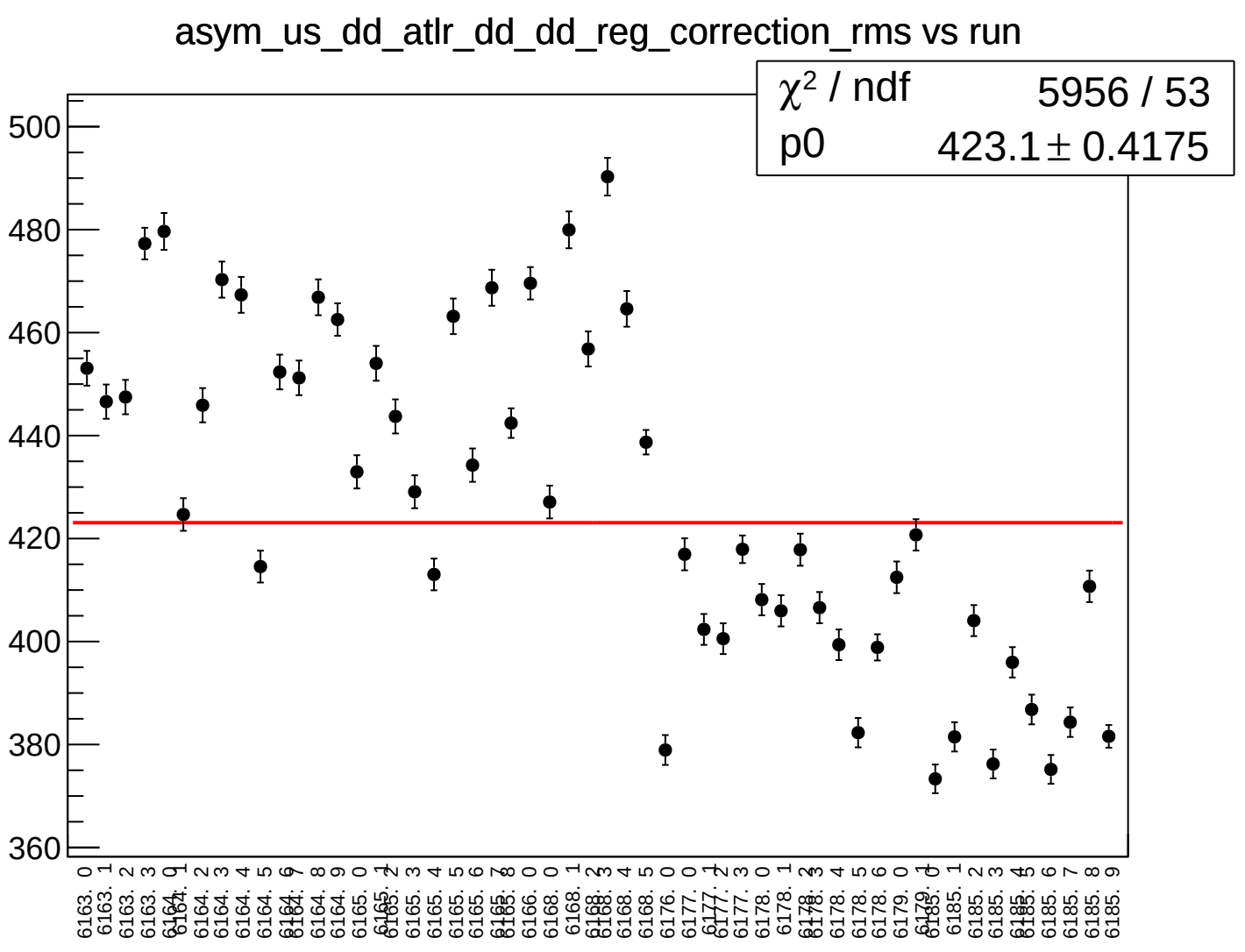

reg_asym_us_dd_atlr_dd_dd_mean vs run
χ² / ndf 46.97 / 53
p0 733.6 ± 1474
pull
Entries 54
Mean 2964
Std Dev 0

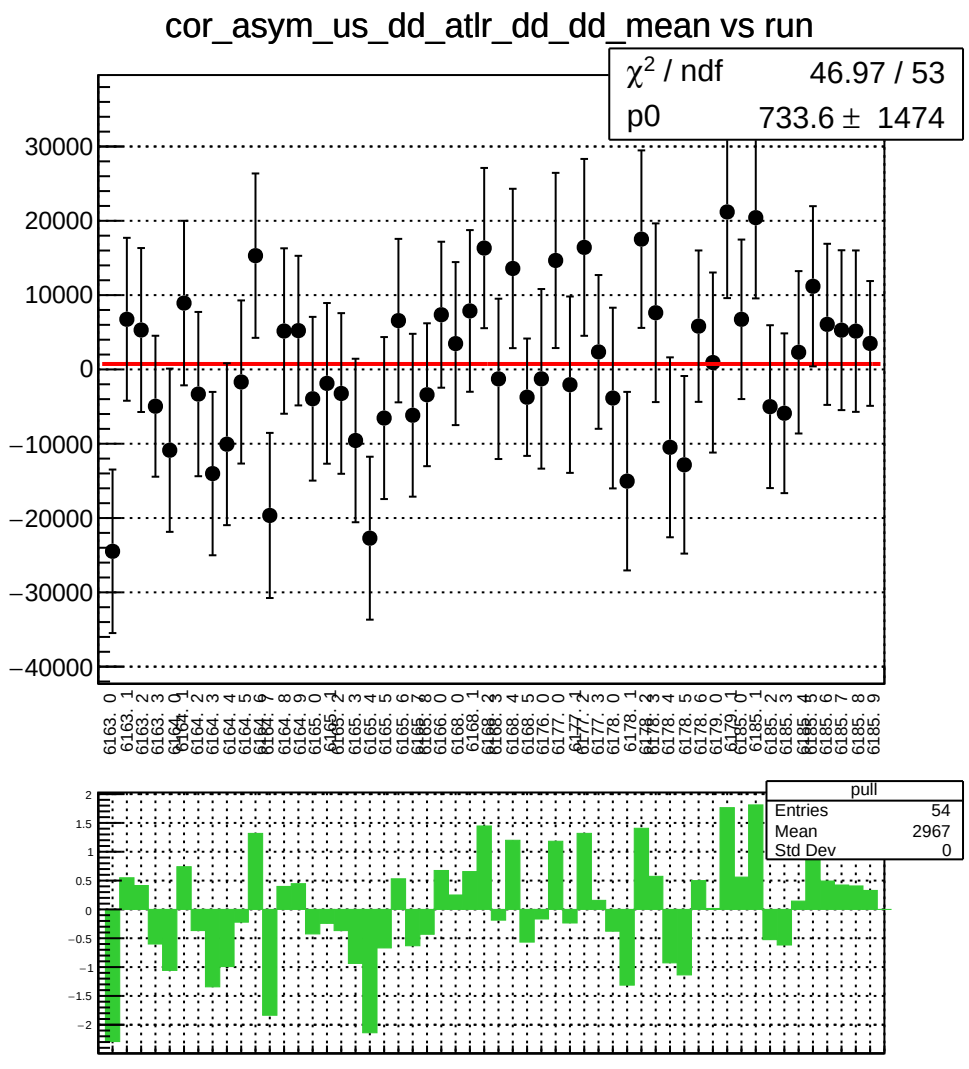

pull1D
Entries 54
Mean 0.001676
Std Dev 0.9326

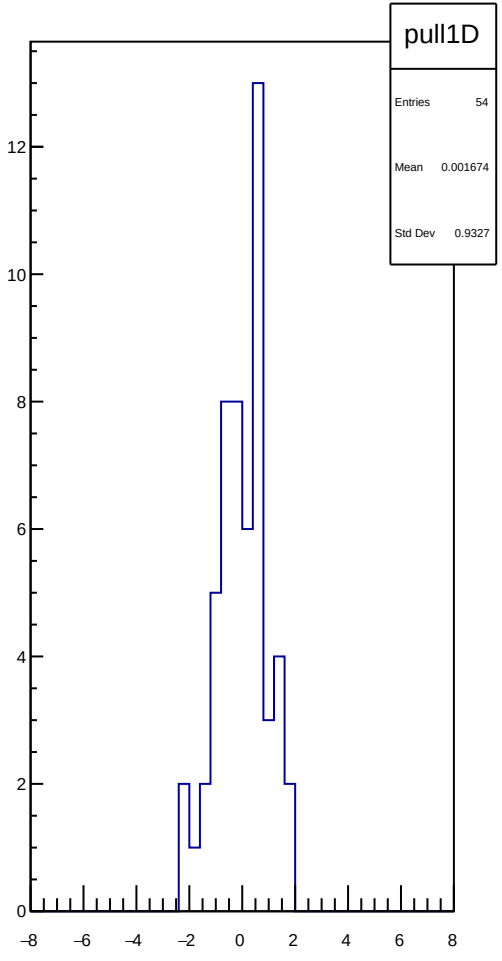

reg_asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 1655 / 53
p0 1058 ± 1.042
1160
1140
1120
1100
1080
1060
1040
1020
1000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

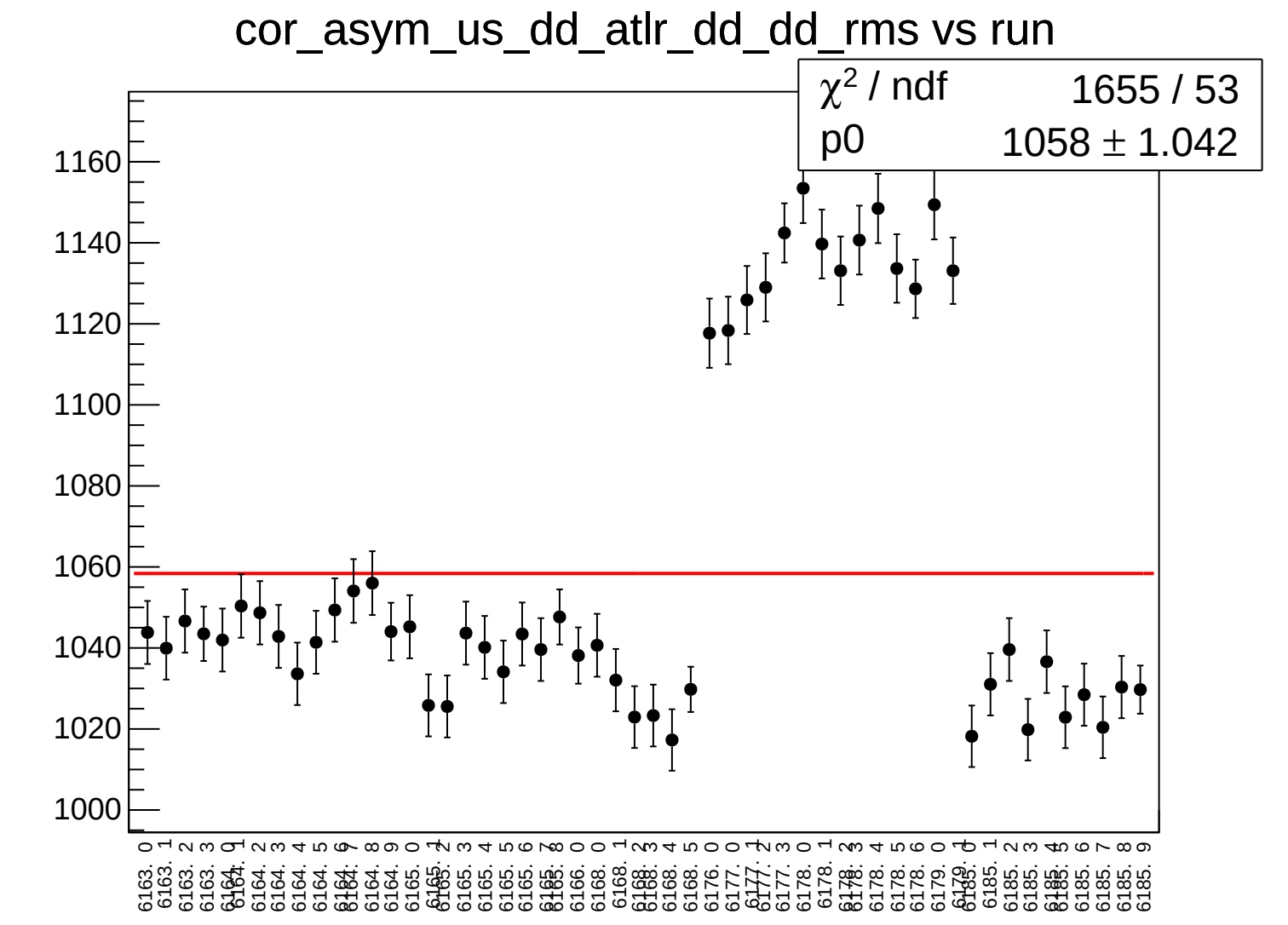

asym_us_dd_atlr_dd_dd_reg_correction_mean vs run
χ² / ndf 61.56 / 53
p0 1151 ± 590.4
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 54
Mean 0.3544
Std Dev 12.15
2
1
0
−1
−2

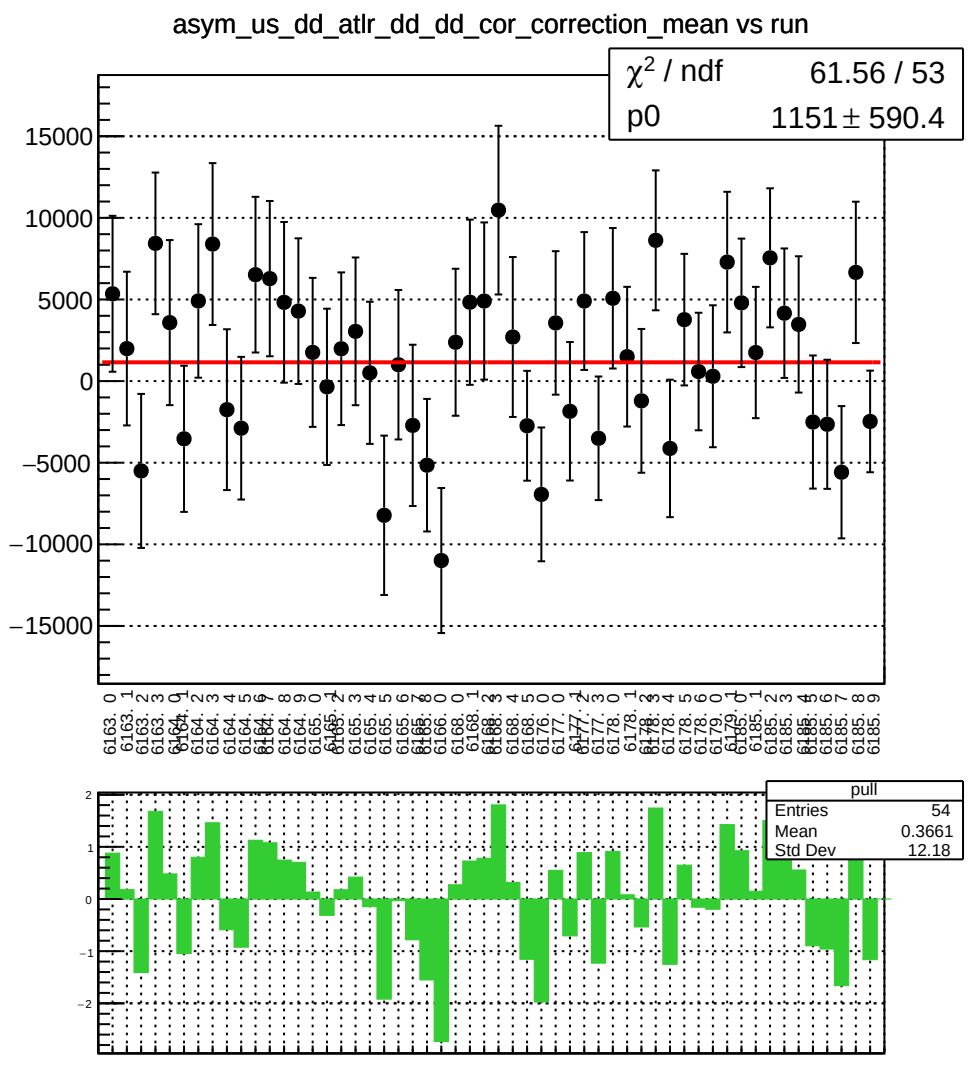

pull1D
Entries 54
Mean 0.03406
Std Dev 1.067
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

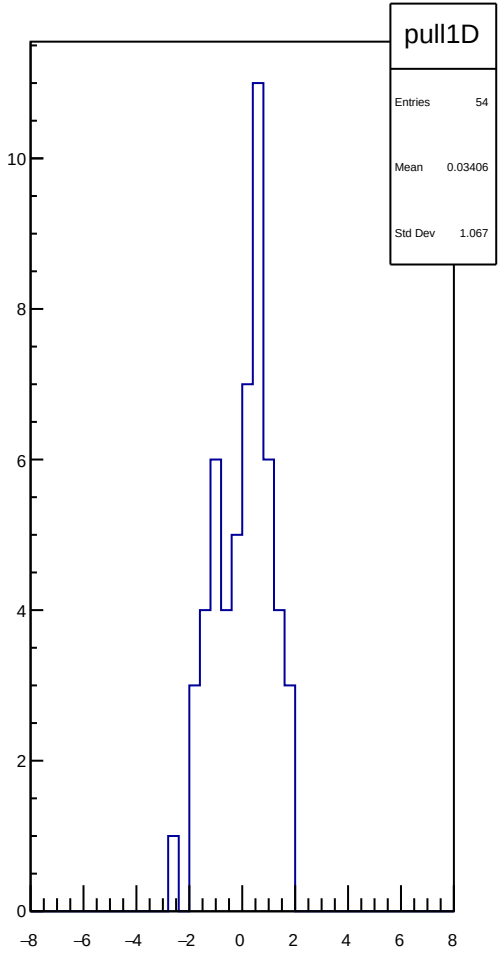

asym_us_dd_atlr_dd_dd_reg_correction_rms vs run
χ² / ndf 5956 / 53
p0 423.1 ± 0.4175
500
480
460
440
420
400
380
360
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6165. 7
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

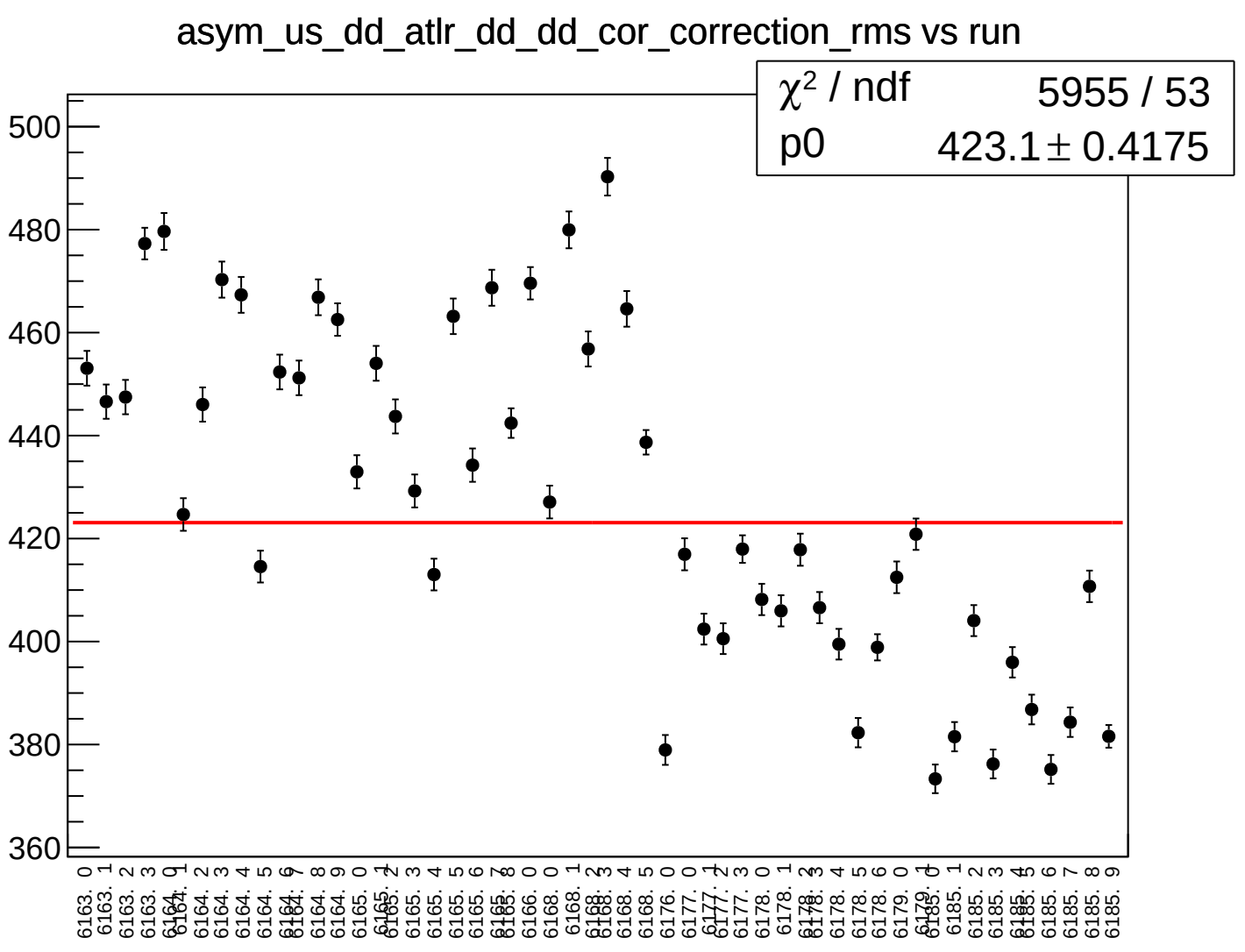

cor_asym_us_dd_atlr_dd_dd_mean vs run
χ² / ndf 46.97 / 53
p0 733.6 ± 1474
pull
Entries 54
Mean 2967
Std Dev 0

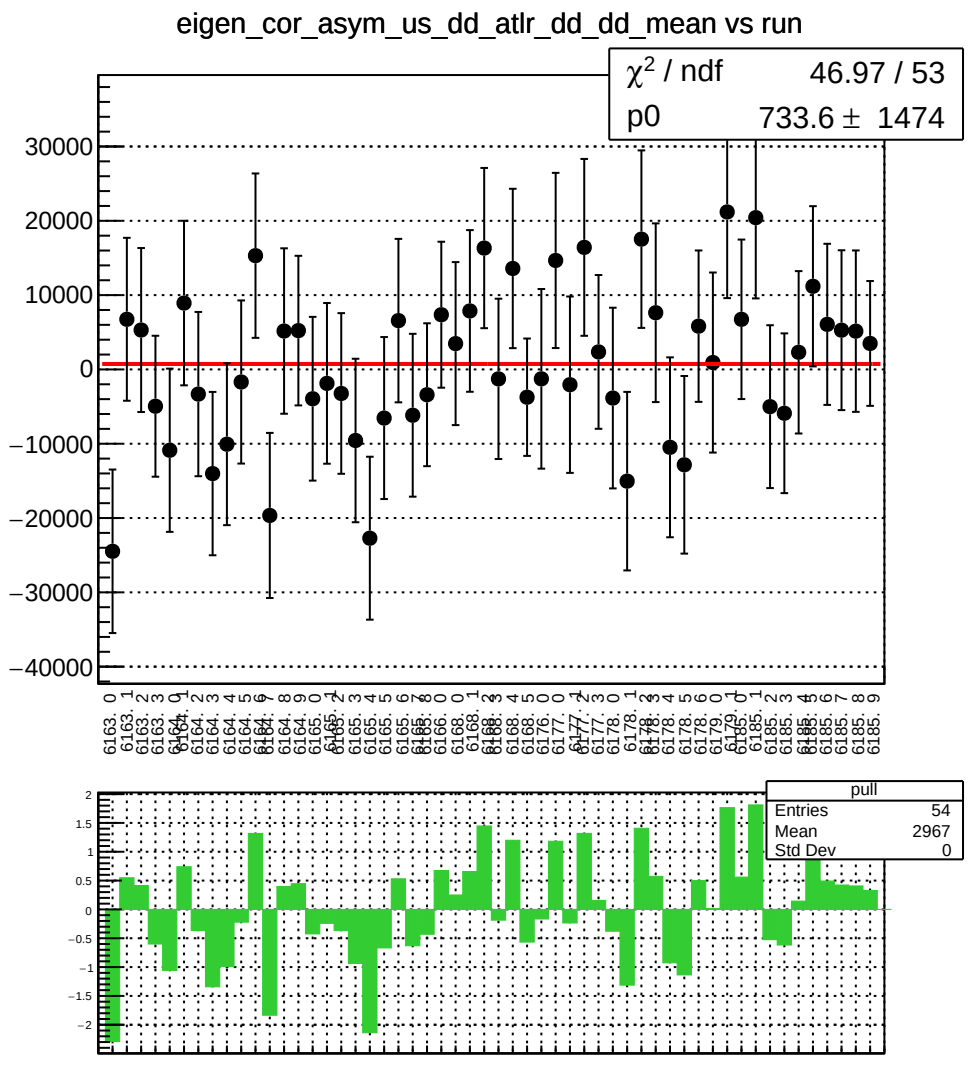

pull1D
Entries 54
Mean 0.001674
Std Dev 0.9327

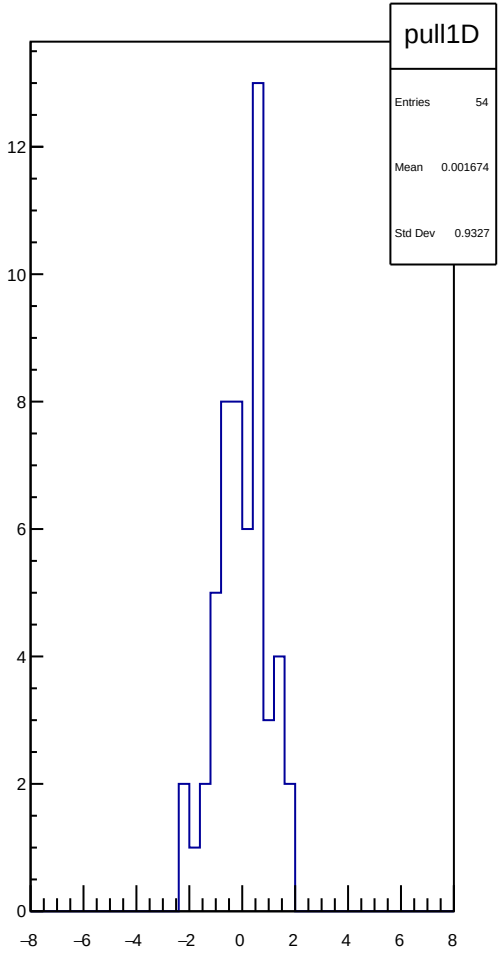

cor_asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 1655 / 53
p0 1058 ± 1.042
1160
1140
1120
1100
1080
1060
1040
1020
1000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

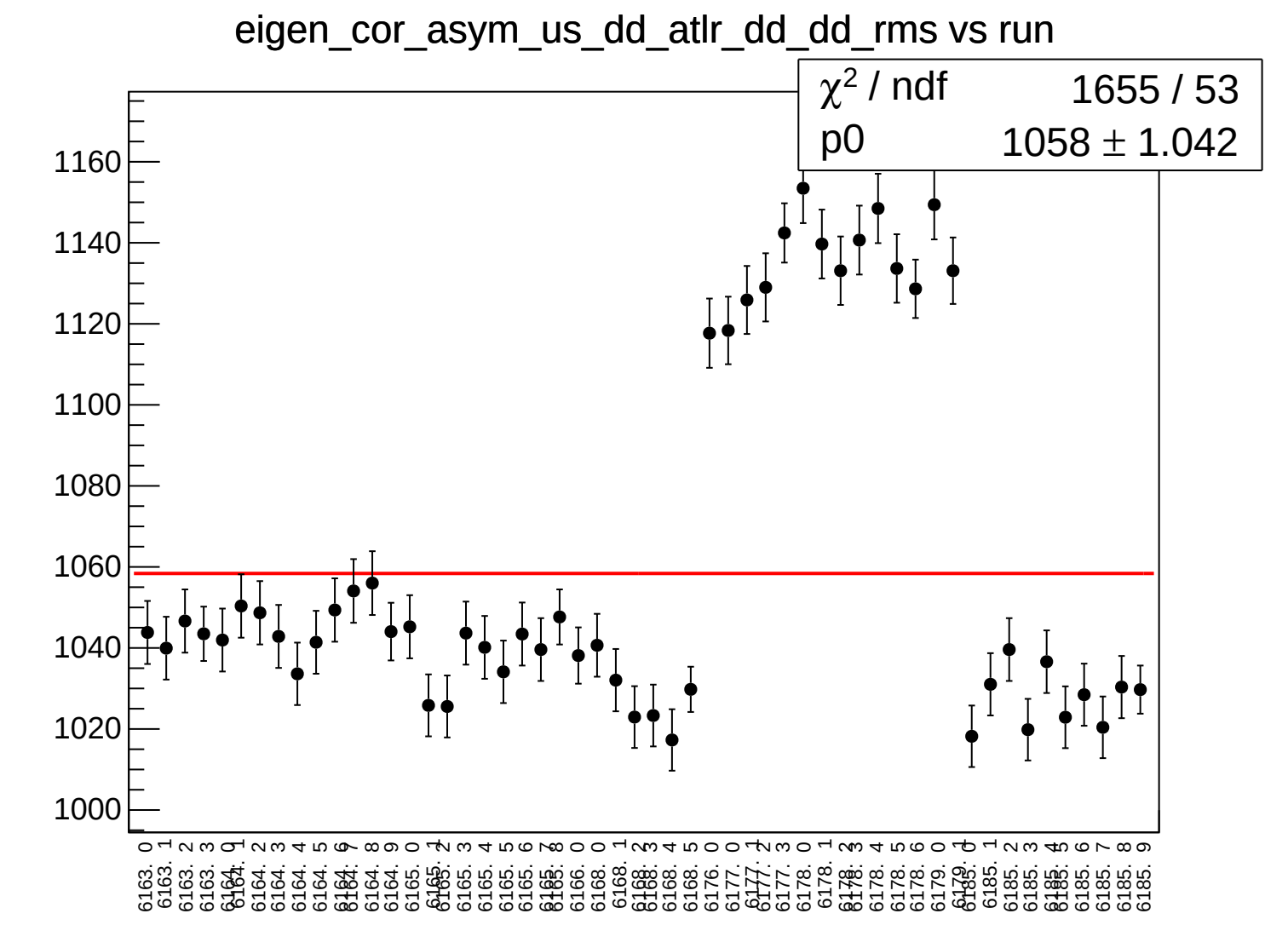

asym_us_dd_atlr_dd_dd_cor_correction_mean vs run
χ² / ndf 61.56 / 53
p0 1151 ± 590.4
pull
Entries 54
Mean 0.3661
Std Dev 12.18

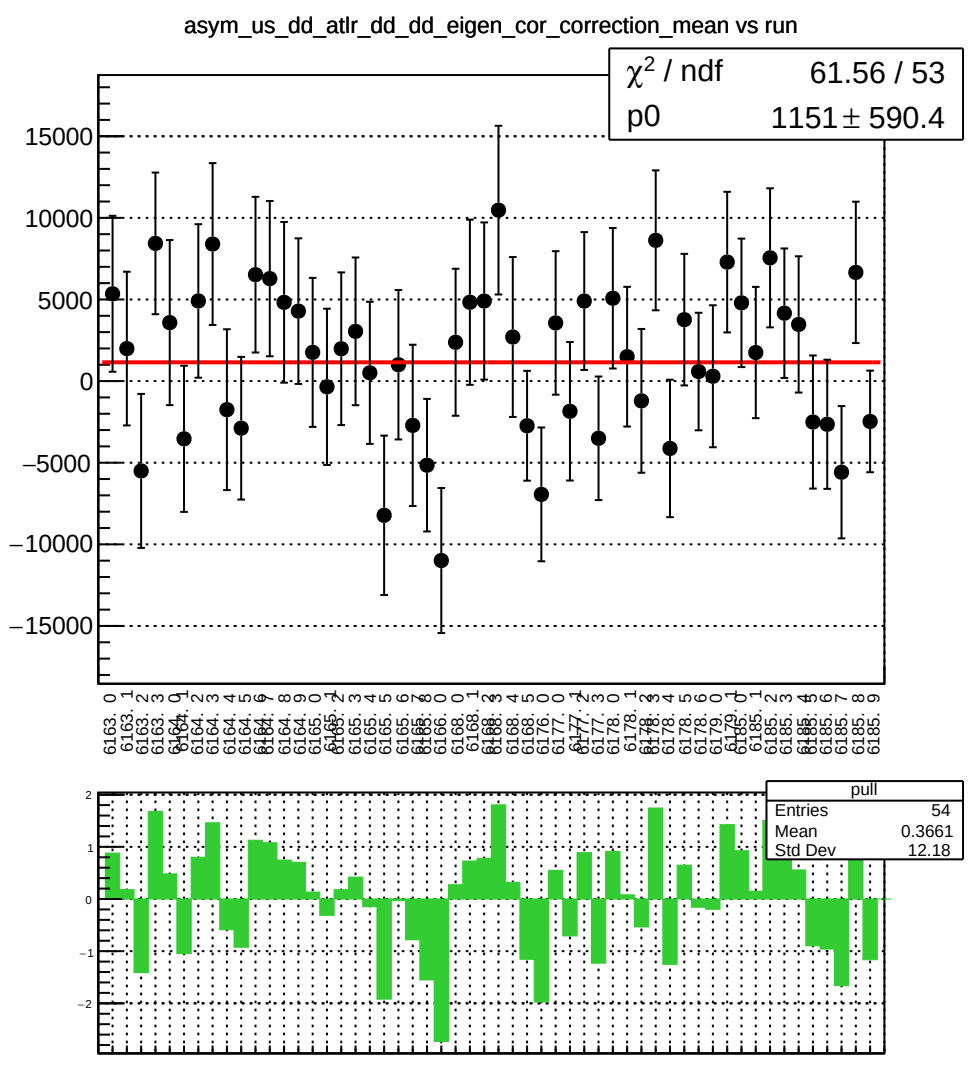

pull1D
Entries 54
Mean 0.03406
Std Dev 1.067

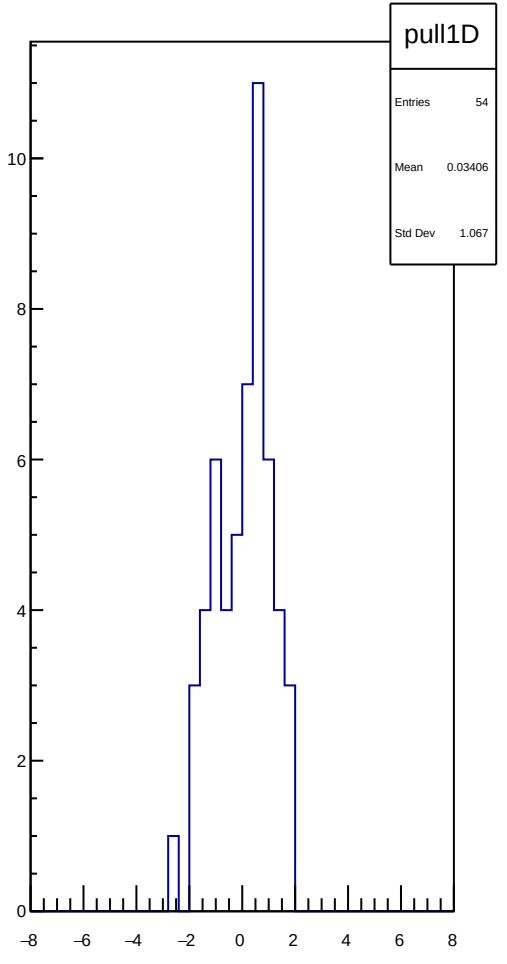

asym_us_dd_atlr_dd_dd_cor_correction_rms vs run
χ² / ndf 5955 / 53
p0 423.1 ± 0.4175
500
480
460
440
420
400
380
360
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

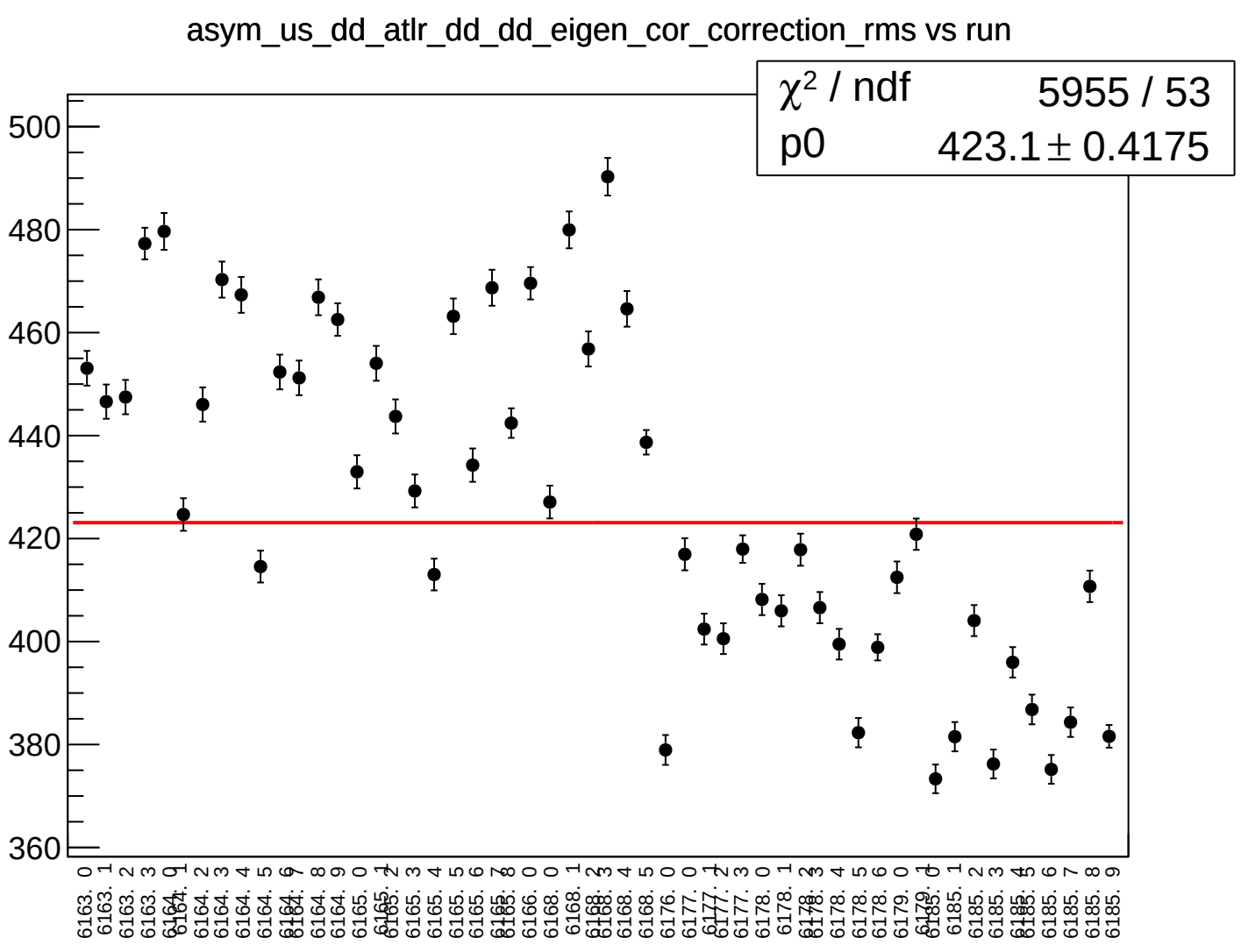

eigen_cor_asym_us_dd_atlr_dd_dd_mean vs run
χ² / ndf 46.97 / 53
p0 733.6 ± 1474
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 54
Mean 2967
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

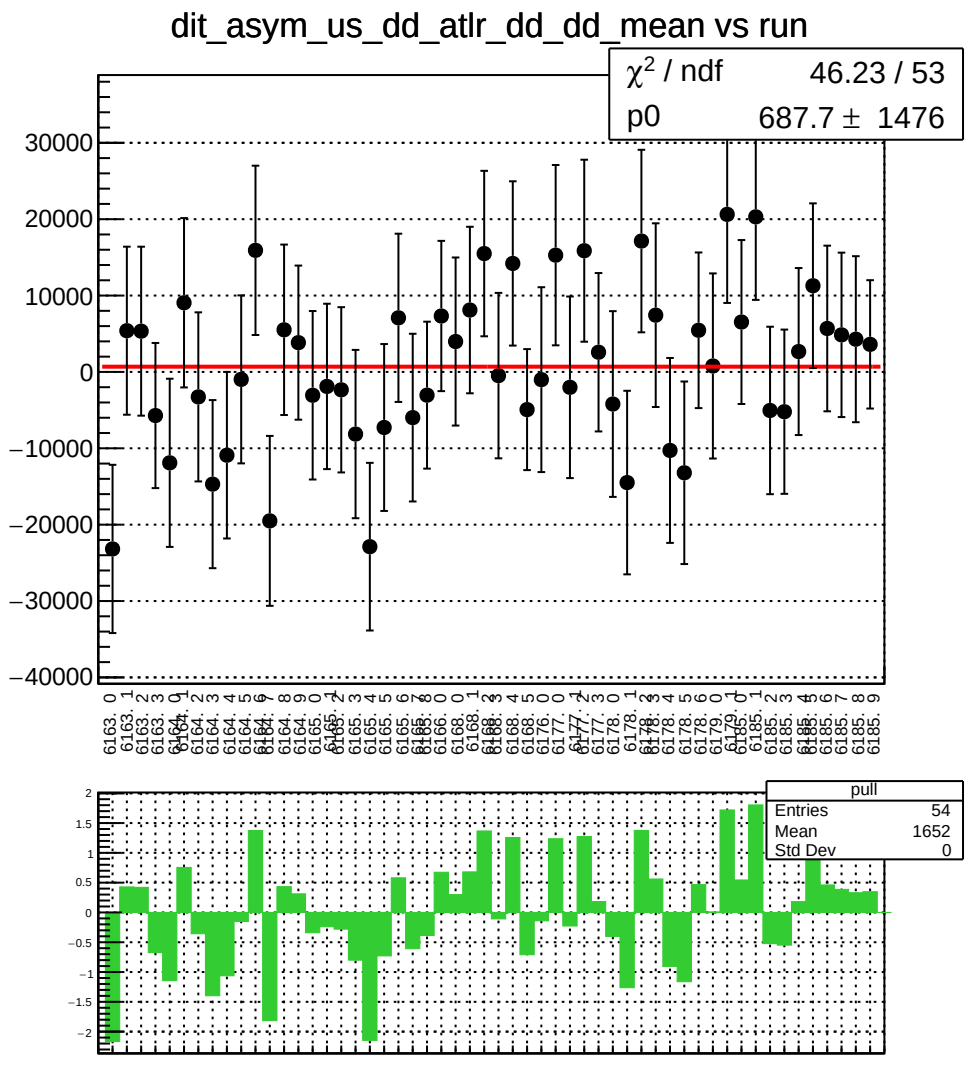

pull1D
Entries 54
Mean 0.001674
Std Dev 0.9327
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

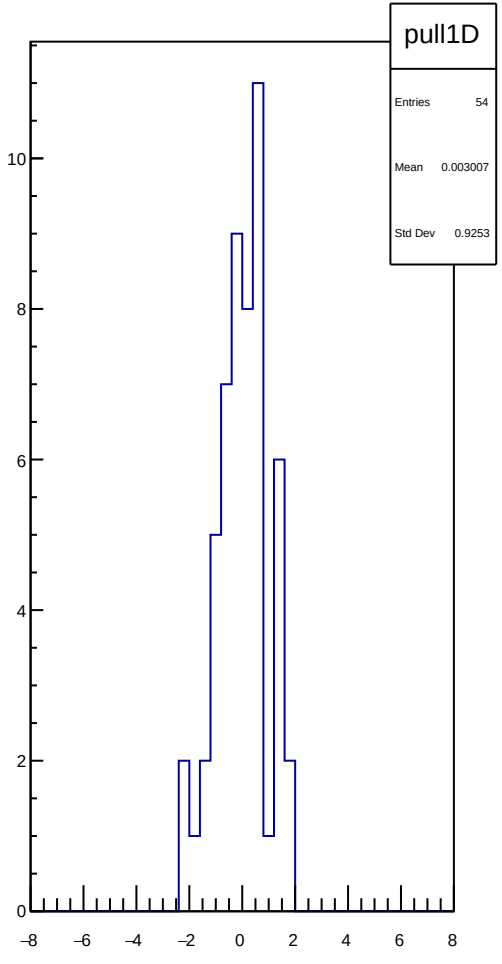

eigen_cor_asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 1655 / 53
p0 1058 ± 1.042
1160
1140
1120
1100
1080
1060
1040
1020
1000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

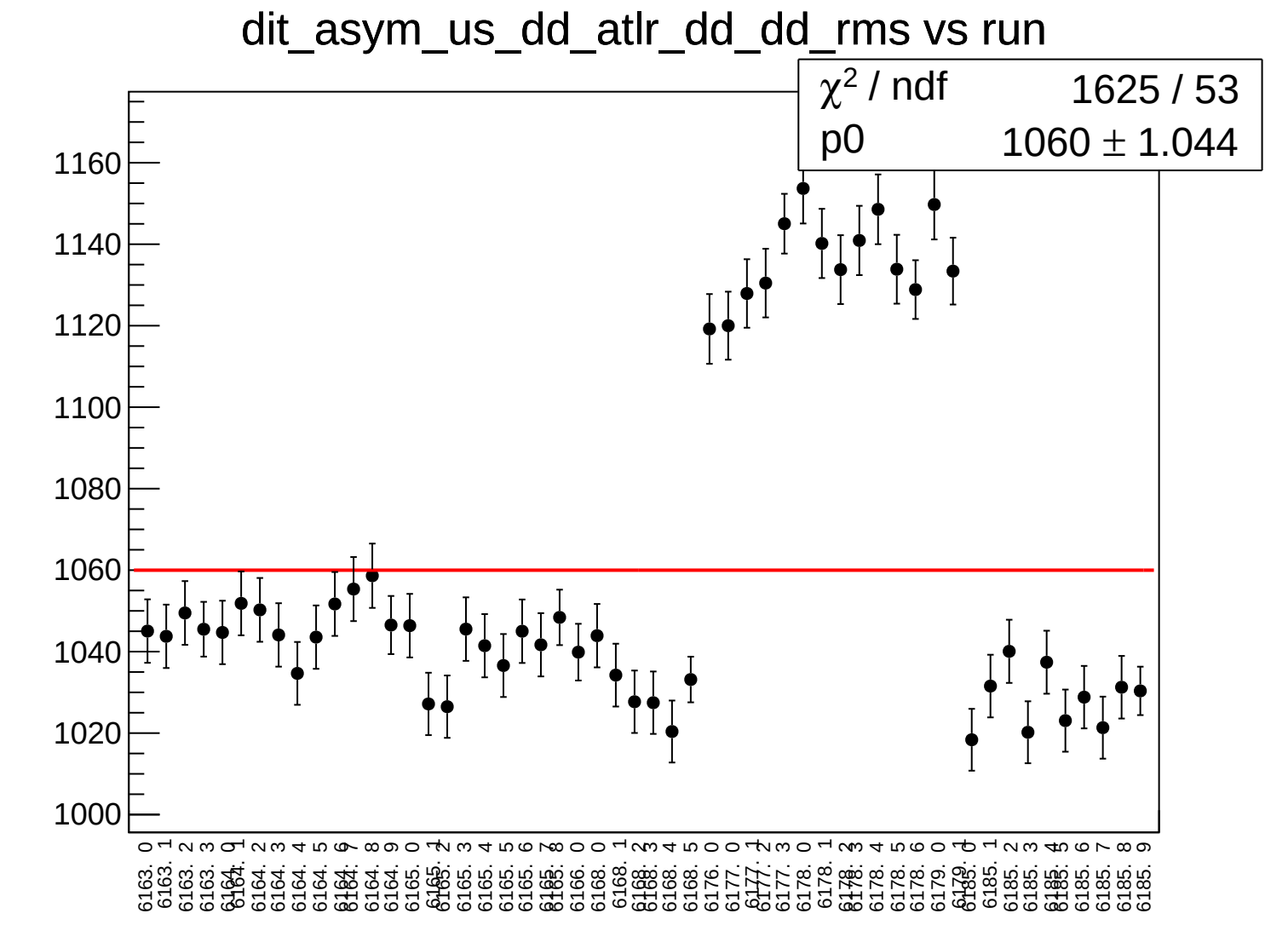

asym_us_dd_atlr_dd_dd_eigen_cor_correction_mean vs run
χ² / ndf 61.56 / 53
p0 1151 ± 590.4
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 54
Mean 0.3661
Std Dev 12.18
2
1
0
−1
−2

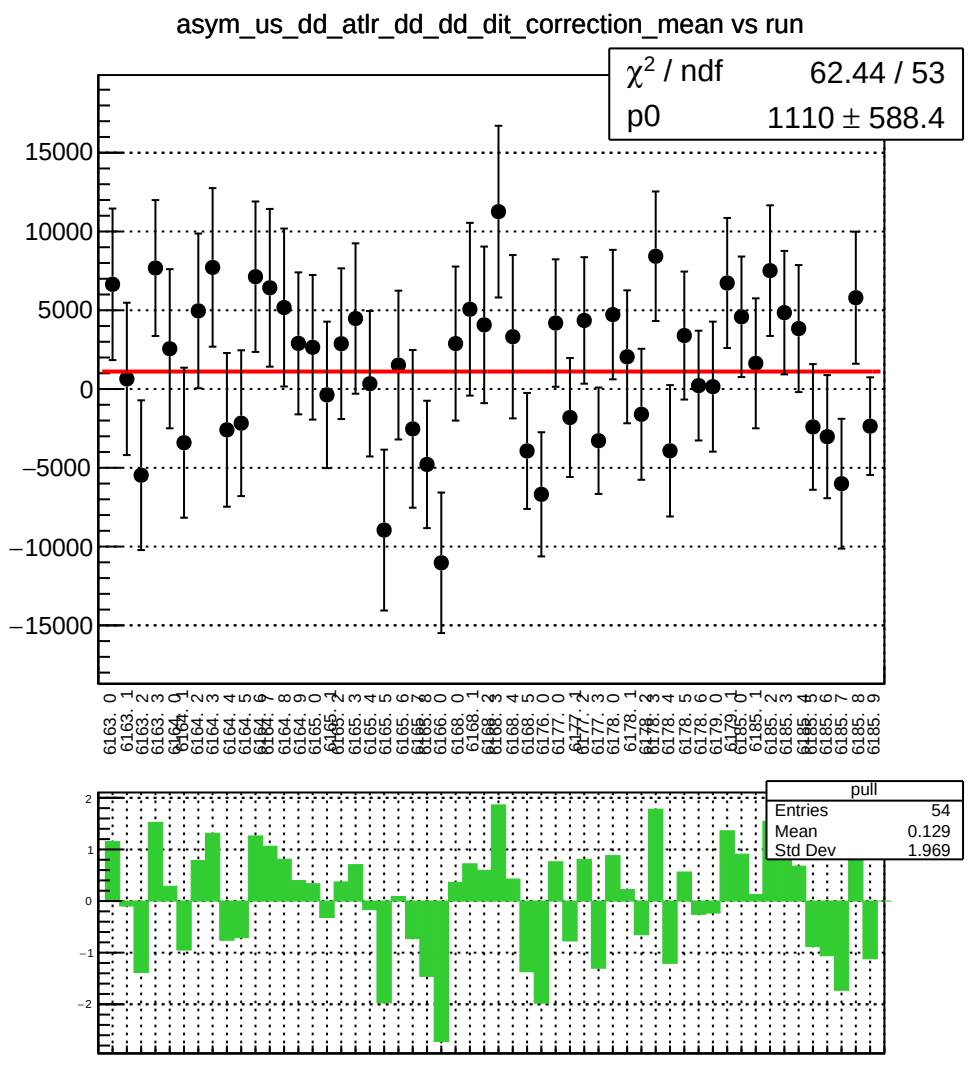

pull1D
Entries 54
Mean 0.03406
Std Dev 1.067
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

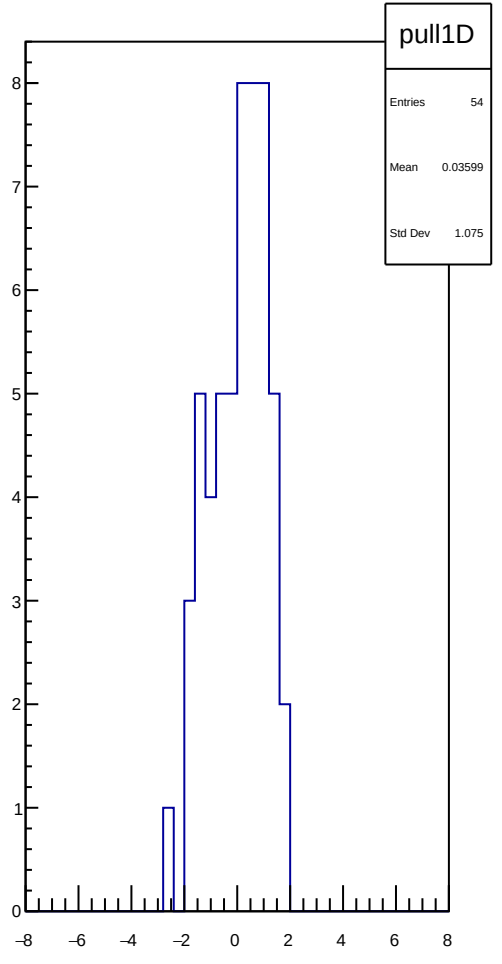

asym_us_dd_atlr_dd_dd_eigen_cor_correction_rms vs run
χ² / ndf 5955 / 53
p0 423.1 ± 0.4175
500
480
460
440
420
400
380
360
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

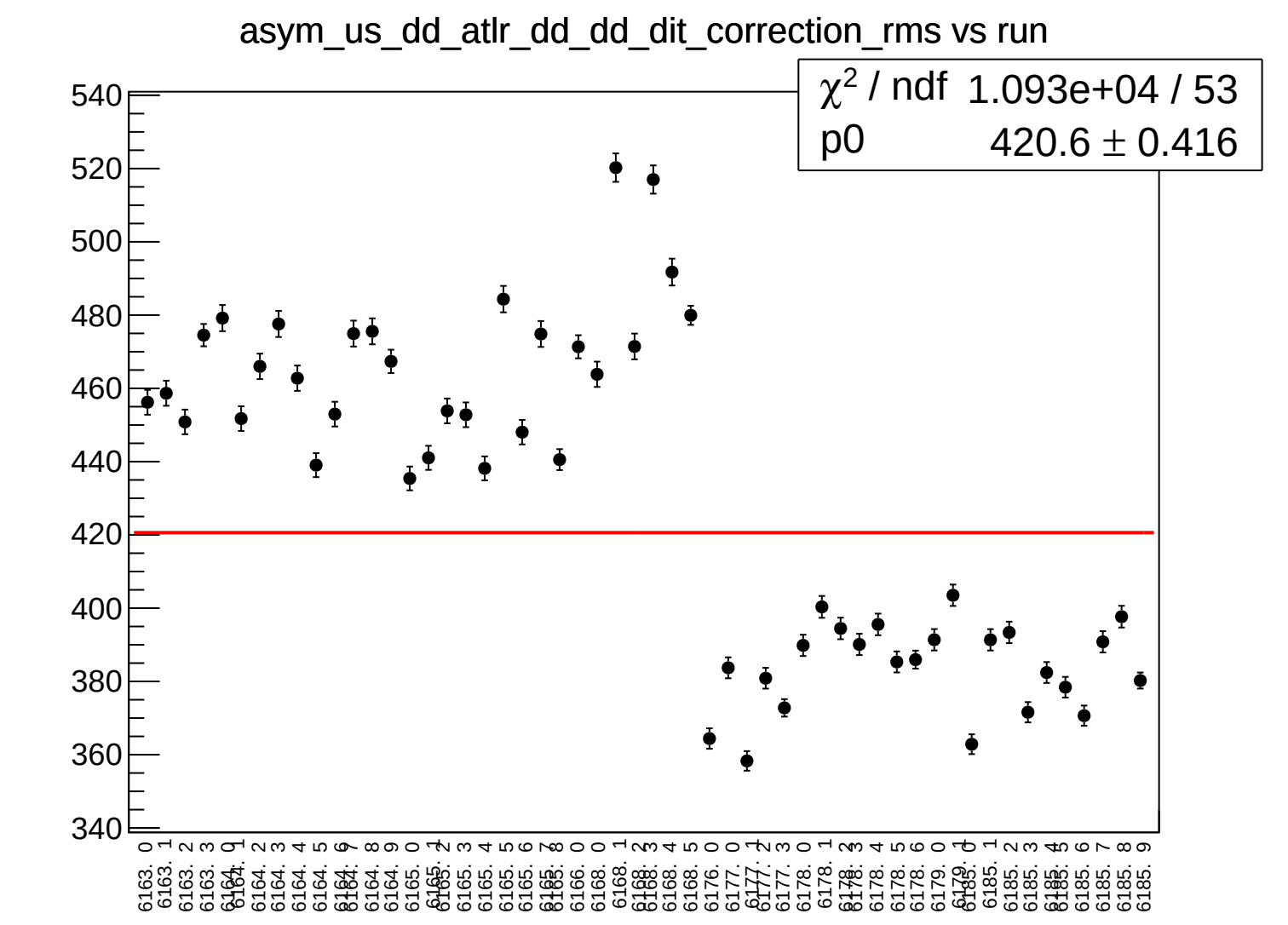

dit_asym_us_dd_atlr_dd_dd_mean vs run
χ² / ndf 46.23 / 53
p0 687.7 ± 1476
pull
Entries 54
Mean 1652
Std Dev 0

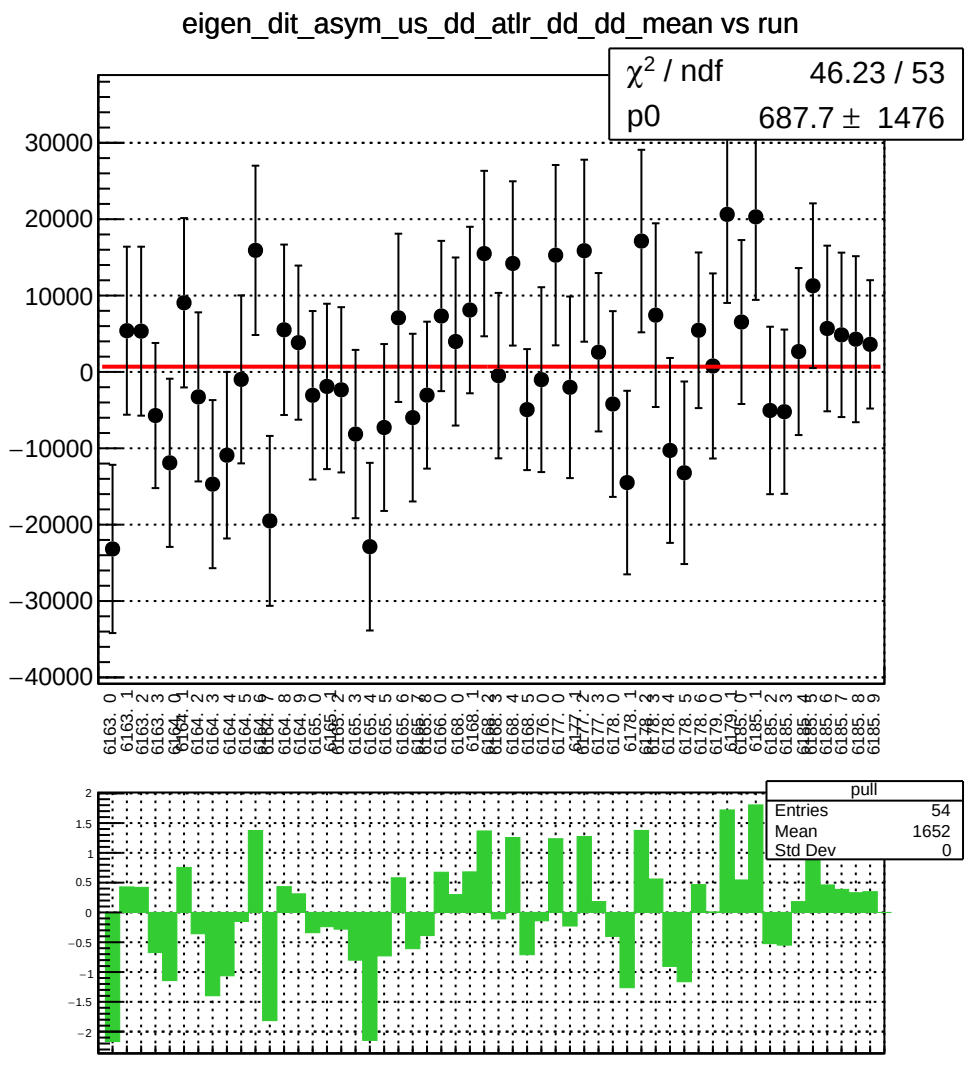

pull1D
Entries 54
Mean 0.003007
Std Dev 0.9253

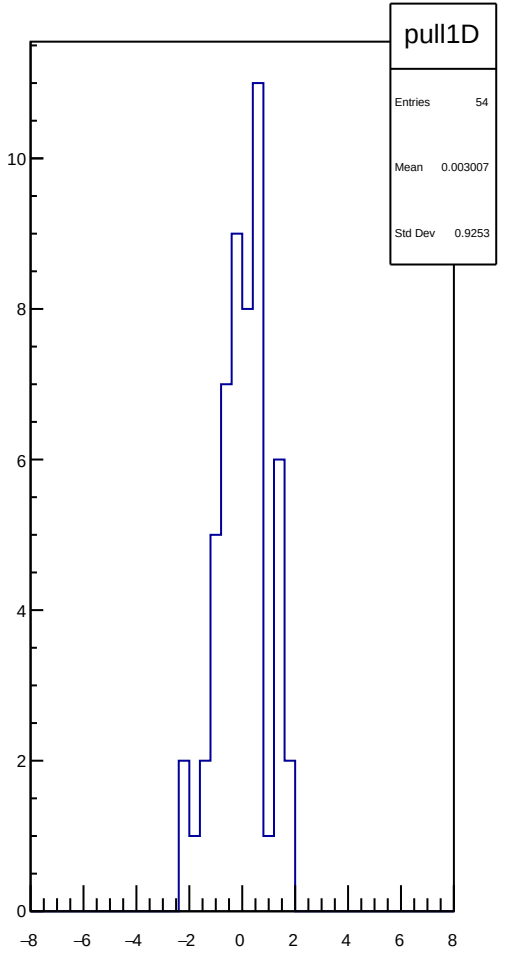

dit_asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 1625 / 53
p0 1060 ± 1.044
1160
1140
1120
1100
1080
1060
1040
1020
1000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

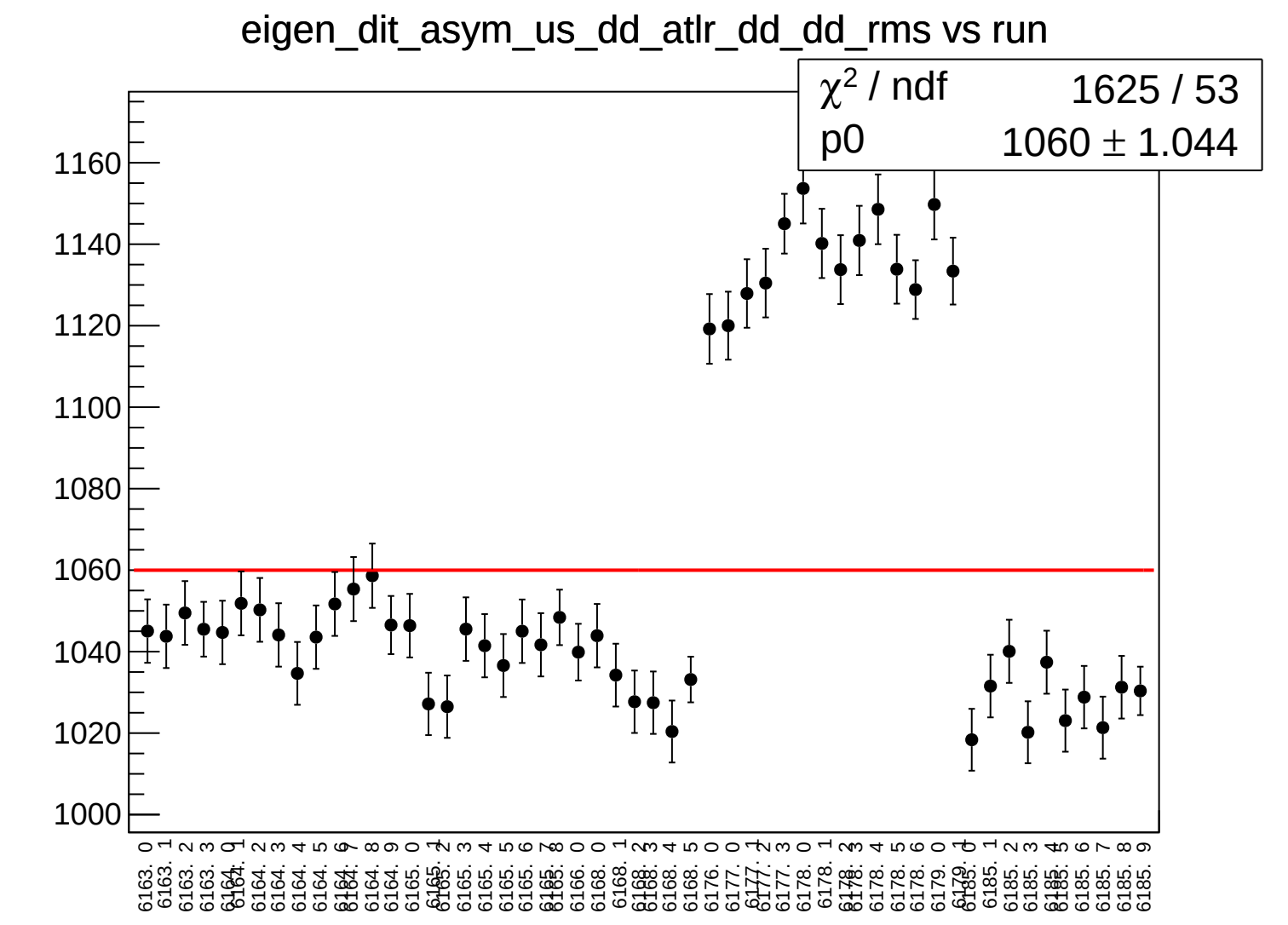

asym_us_dd_atlr_dd_dd_dit_correction_mean vs run
χ² / ndf 62.44 / 53
p0 1110 ± 588.4
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 54
Mean 0.129
Std Dev 1.969
2
1
0
−1
−2

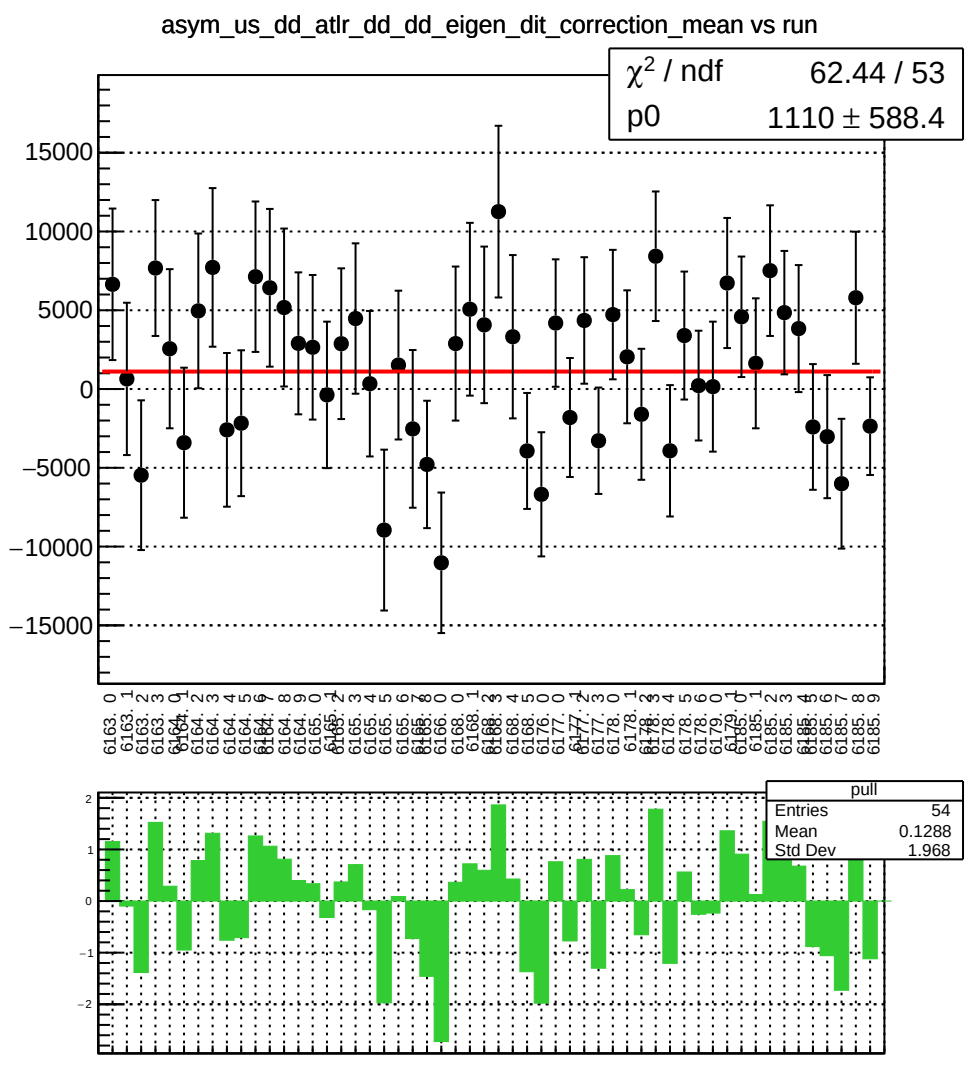

pull1D
Entries 54
Mean 0.03599
Std Dev 1.075
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

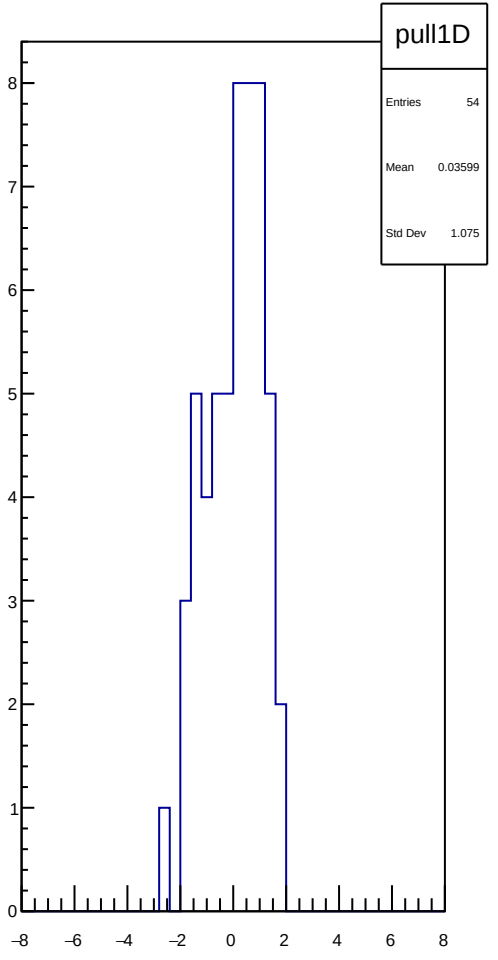

asym_us_dd_atlr_dd_dd_dit_correction_rms vs run
χ² / ndf 1.093e+04 / 53
p0 420.6 ± 0.416
540
520
500
480
460
440
420
400
380
360
340
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

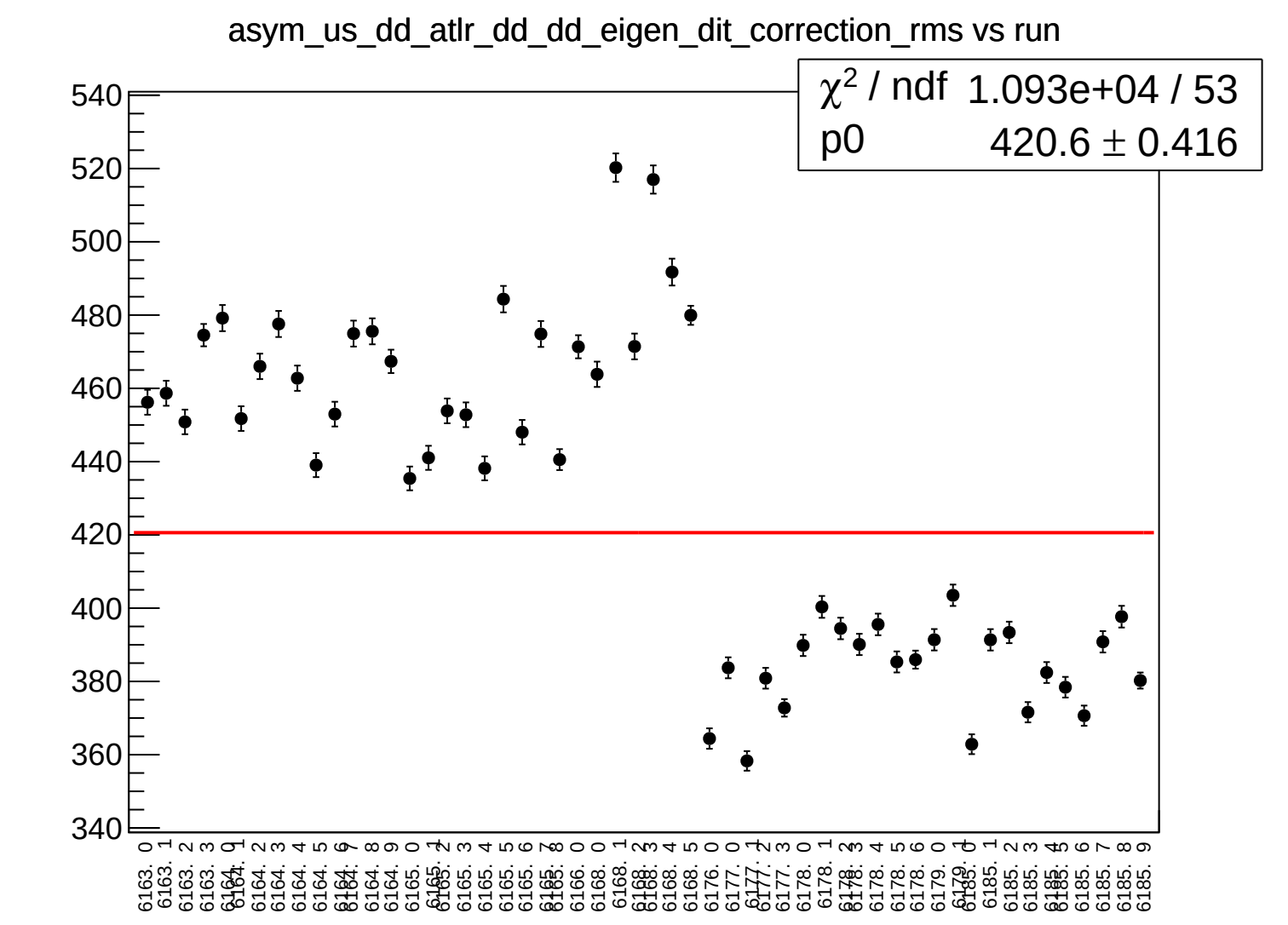

eigen_dit_asym_us_dd_atlr_dd_dd_mean vs run
χ² / ndf 46.23 / 53
p0 687.7 ± 1476
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 54
Mean 1652
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

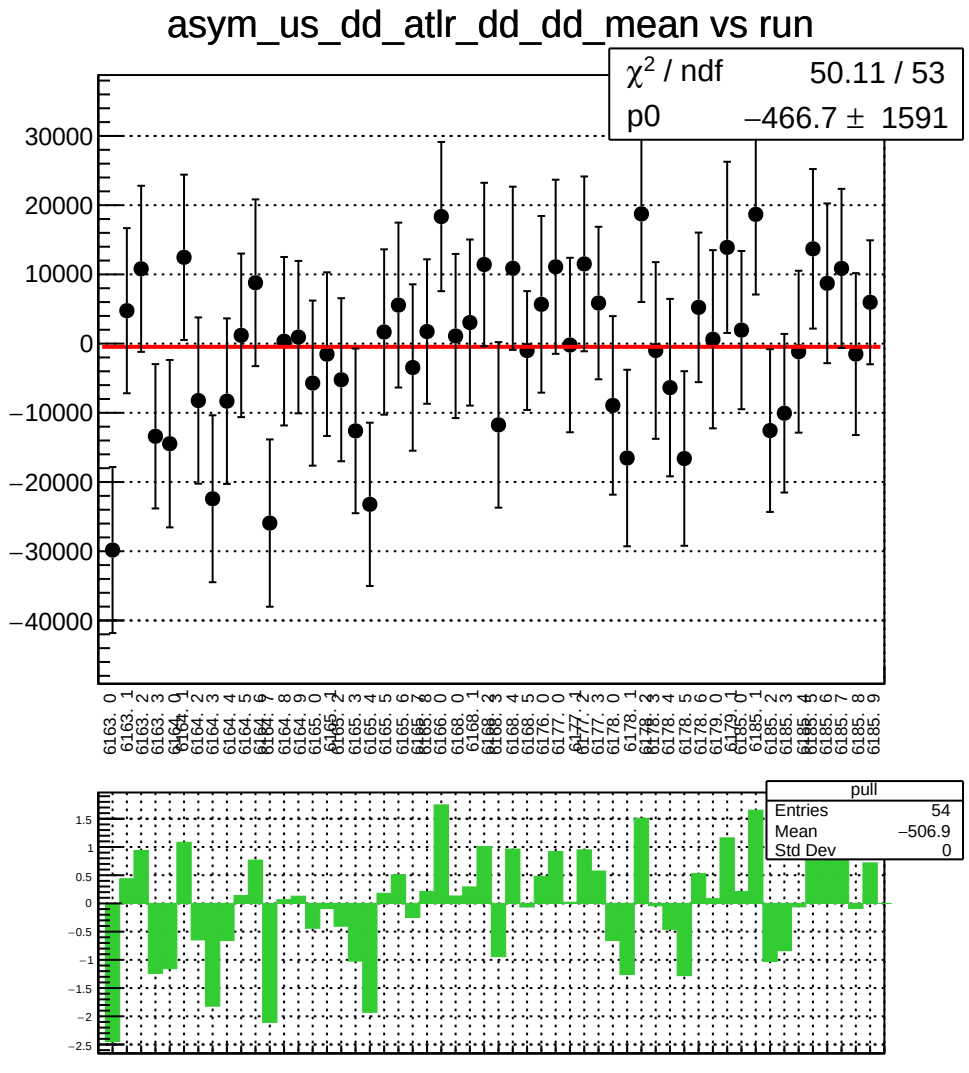

pull1D
Entries 54
Mean 0.003007
Std Dev 0.9253
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

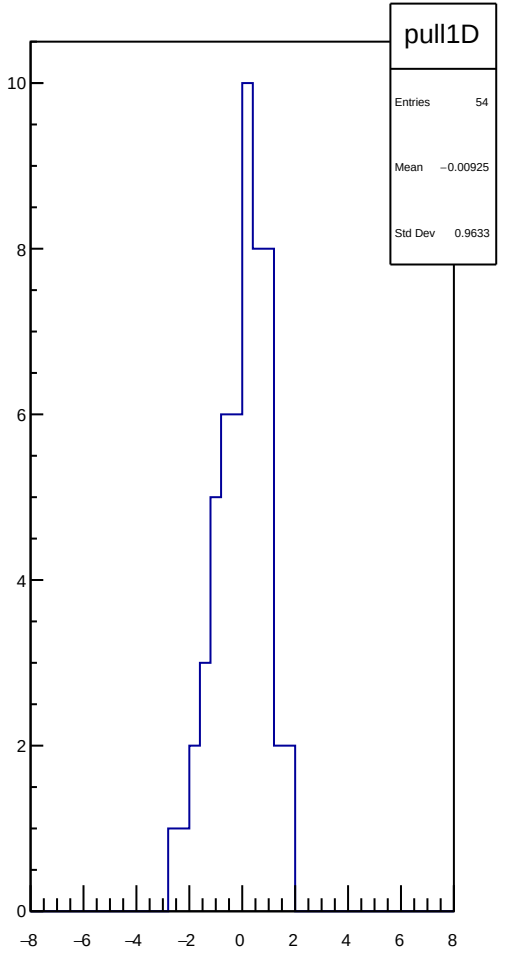

eigen_dit_asym_us_dd_atlr_dd_dd_rms vs run
χ^2 / ndf 1625 / 53
p0 1060 ± 1.044
1160
1140
1120
1100
1080
1060
1040
1020
1000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

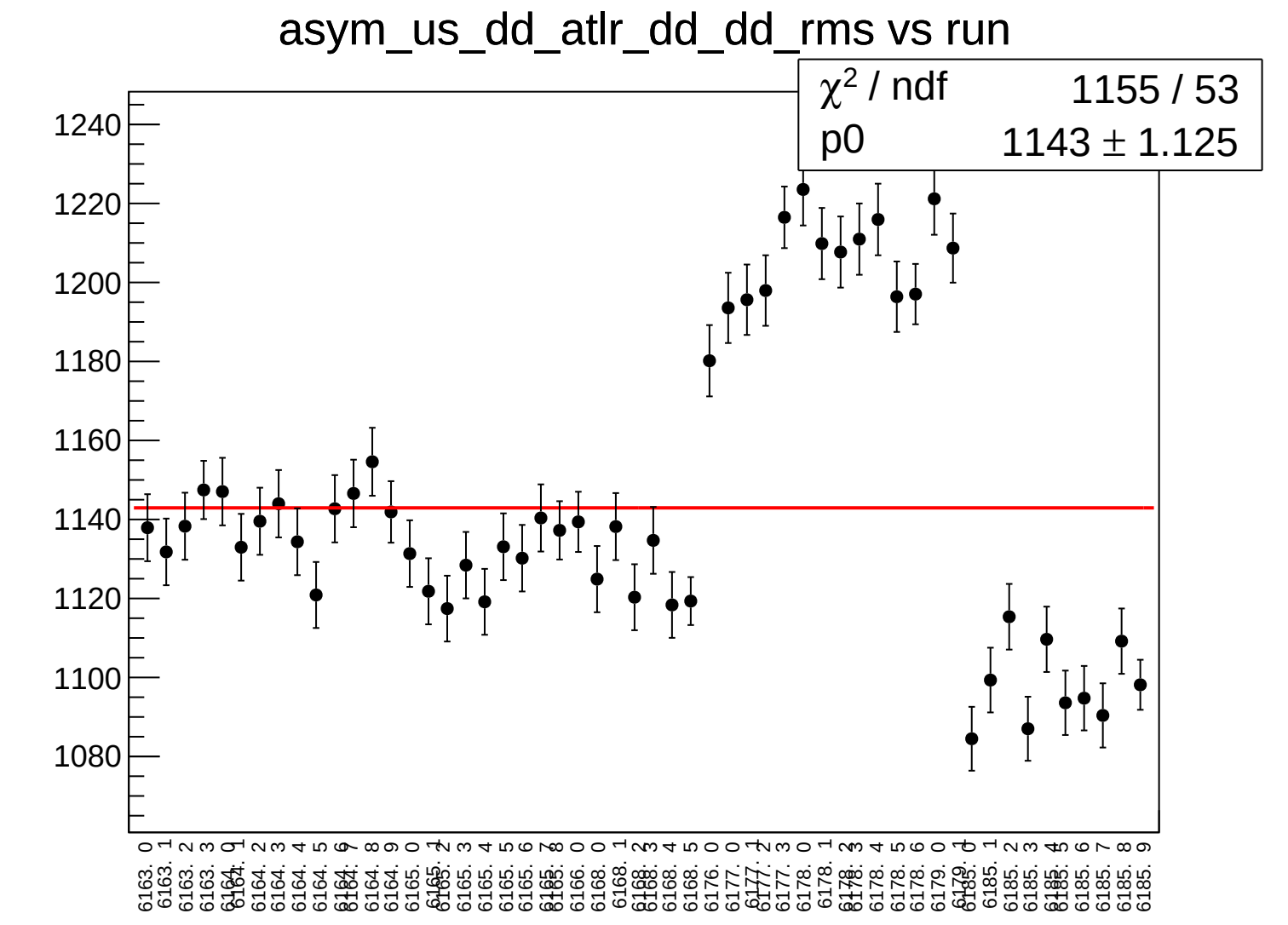

asym_us_dd_atlr_dd_dd_eigen_dit_correction_mean vs run
χ² / ndf 62.44 / 53
p0 1110 ± 588.4
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 54
Mean 0.1288
Std Dev 1.968
2
1
0
−1
−2

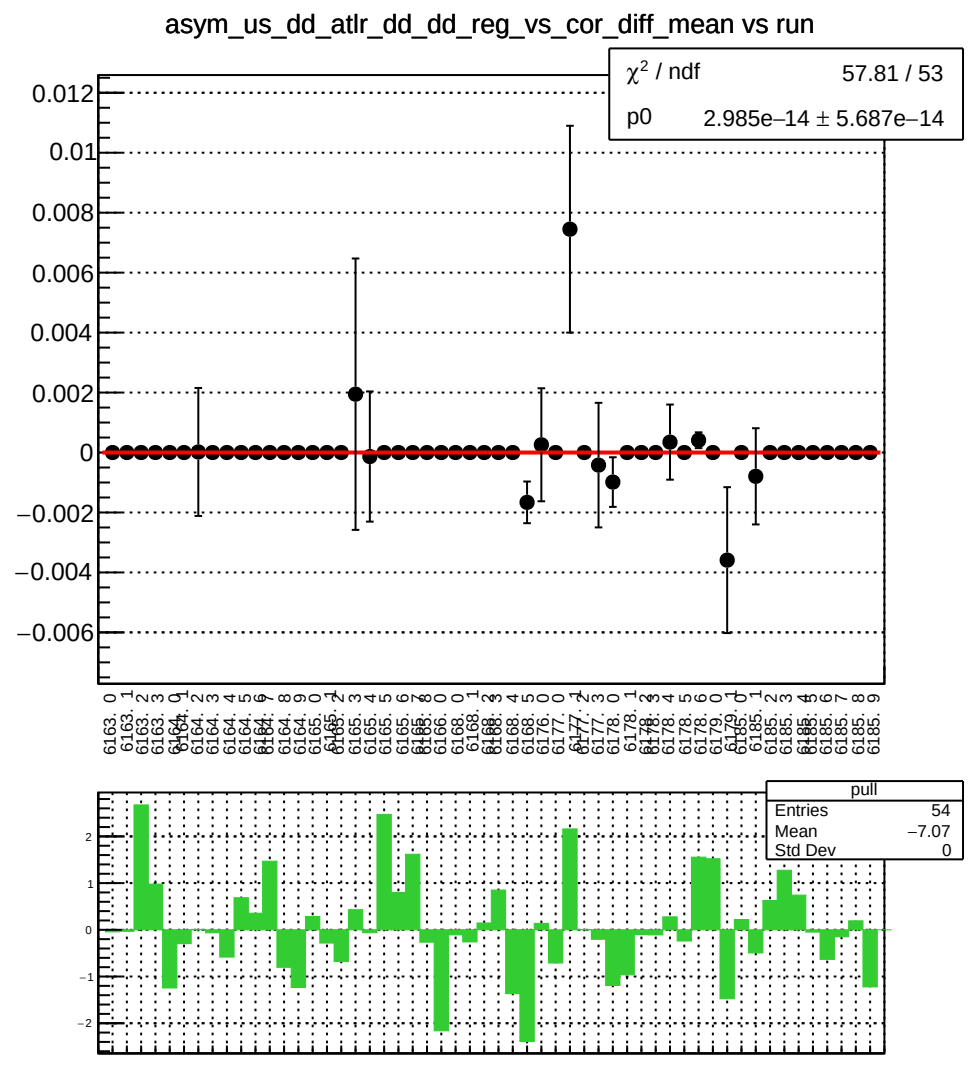

pull1D
Entries 54
Mean 0.03599
Std Dev 1.075
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

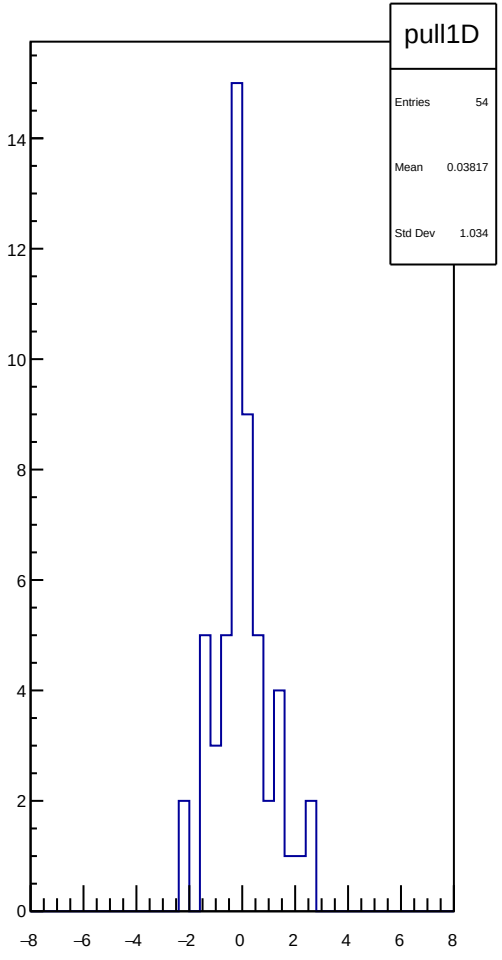

asym_us_dd_atlr_dd_dd_eigen_dit_correction_rms vs run
χ^2 / ndf 1.093e+04 / 53
p0 420.6 ± 0.416
540
520
500
480
460
440
420
400
380
360
340
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

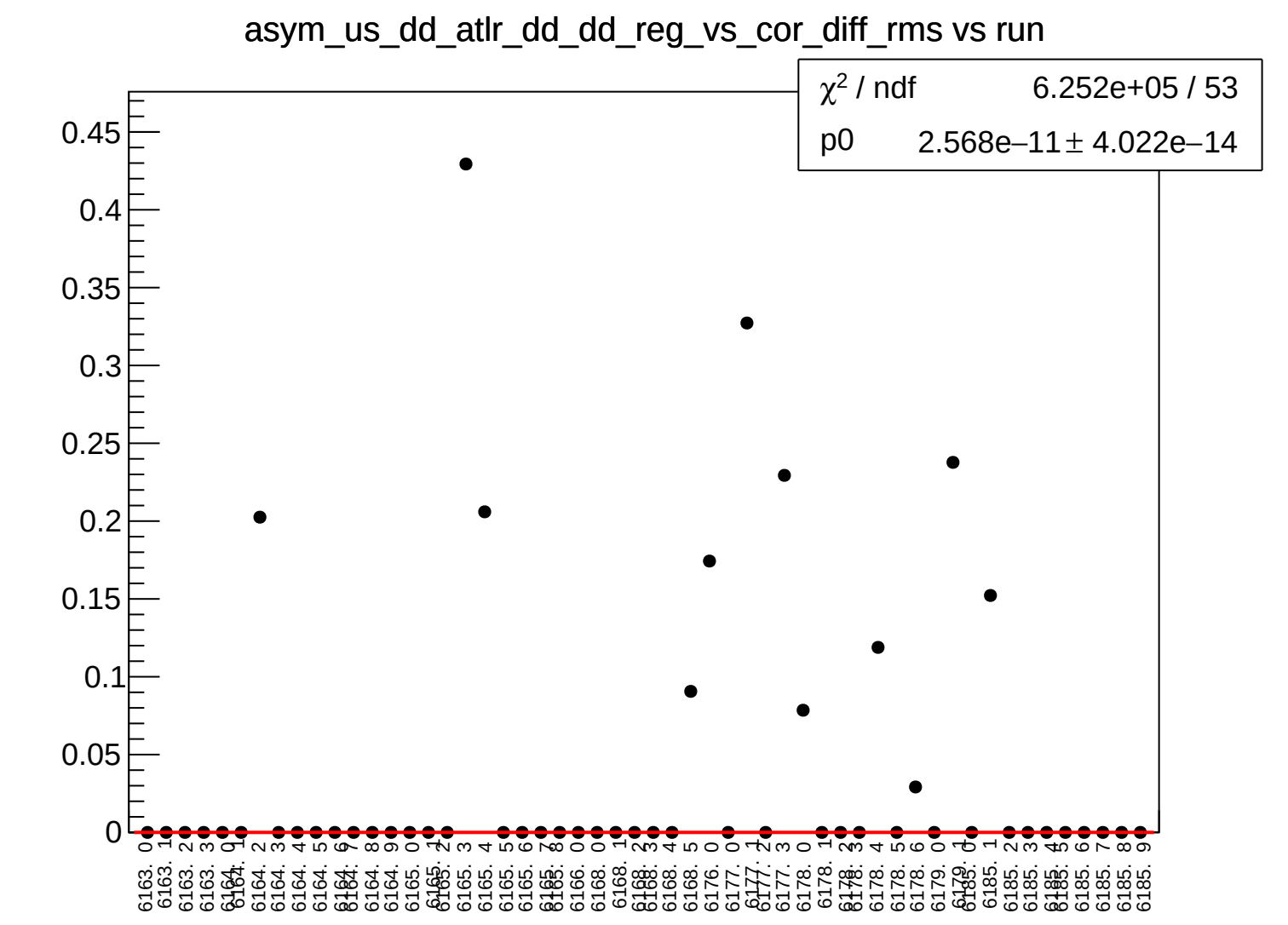

asym_us_dd_atlr_dd_dd_mean vs run
χ² / ndf 50.11 / 53
p0 −466.7 ± 1591
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 54
Mean −506.9
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

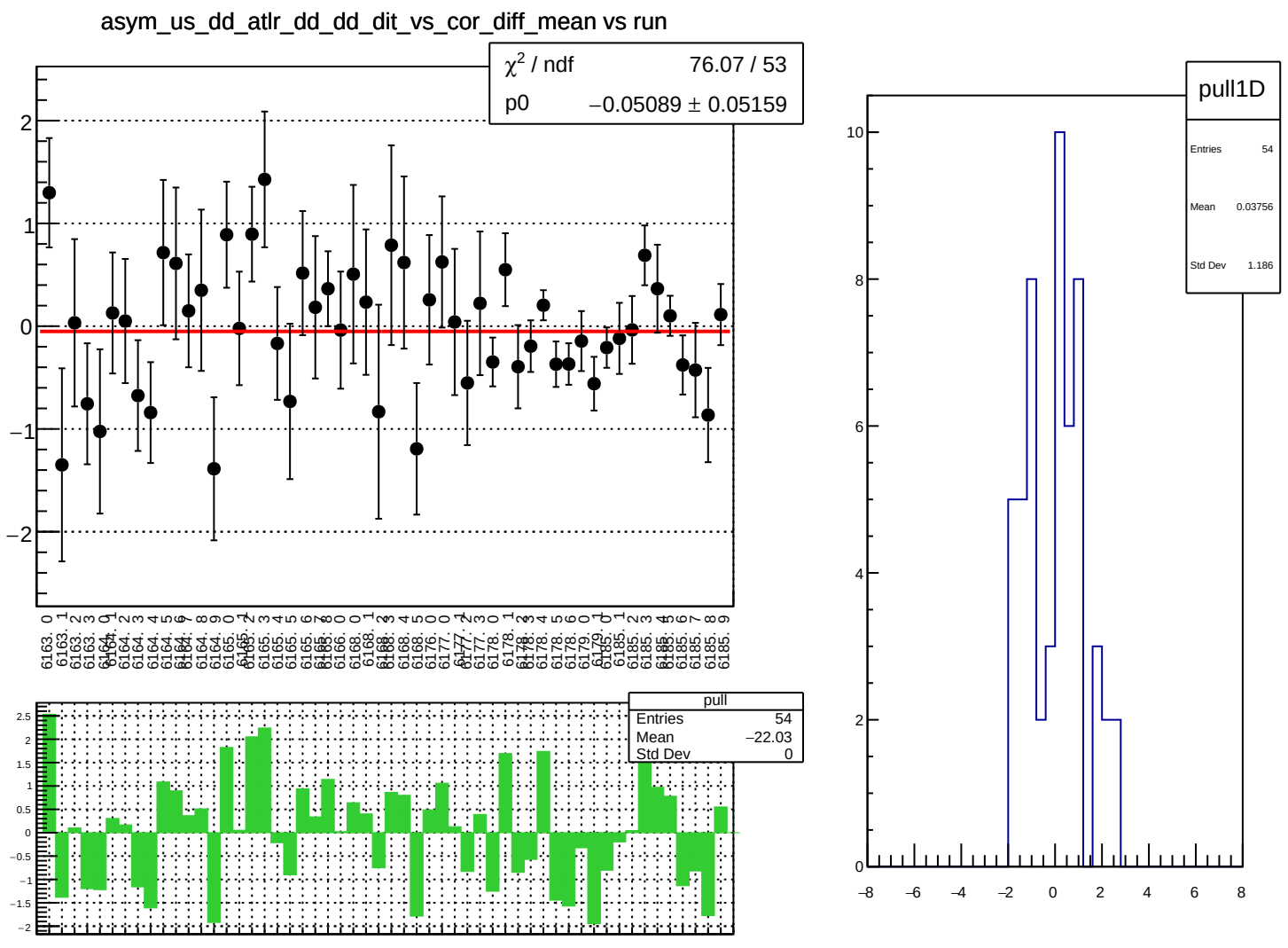

pull1D
Entries 54
Mean −0.00925
Std Dev 0.9633
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

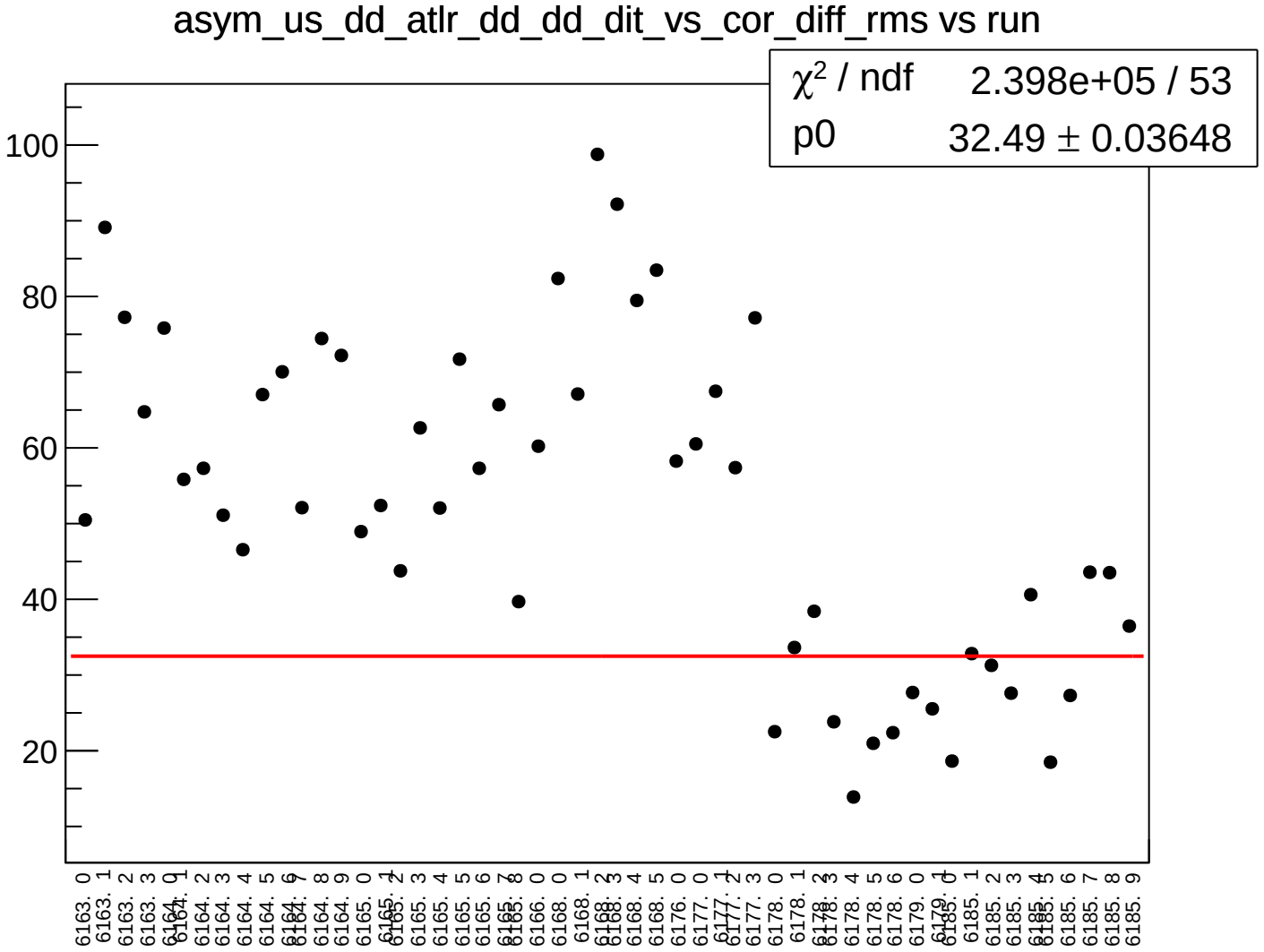

asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 1155 / 53
p0 1143 ± 1.125
1240
1220
1200
1180
1160
1140
1120
1100
1080
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

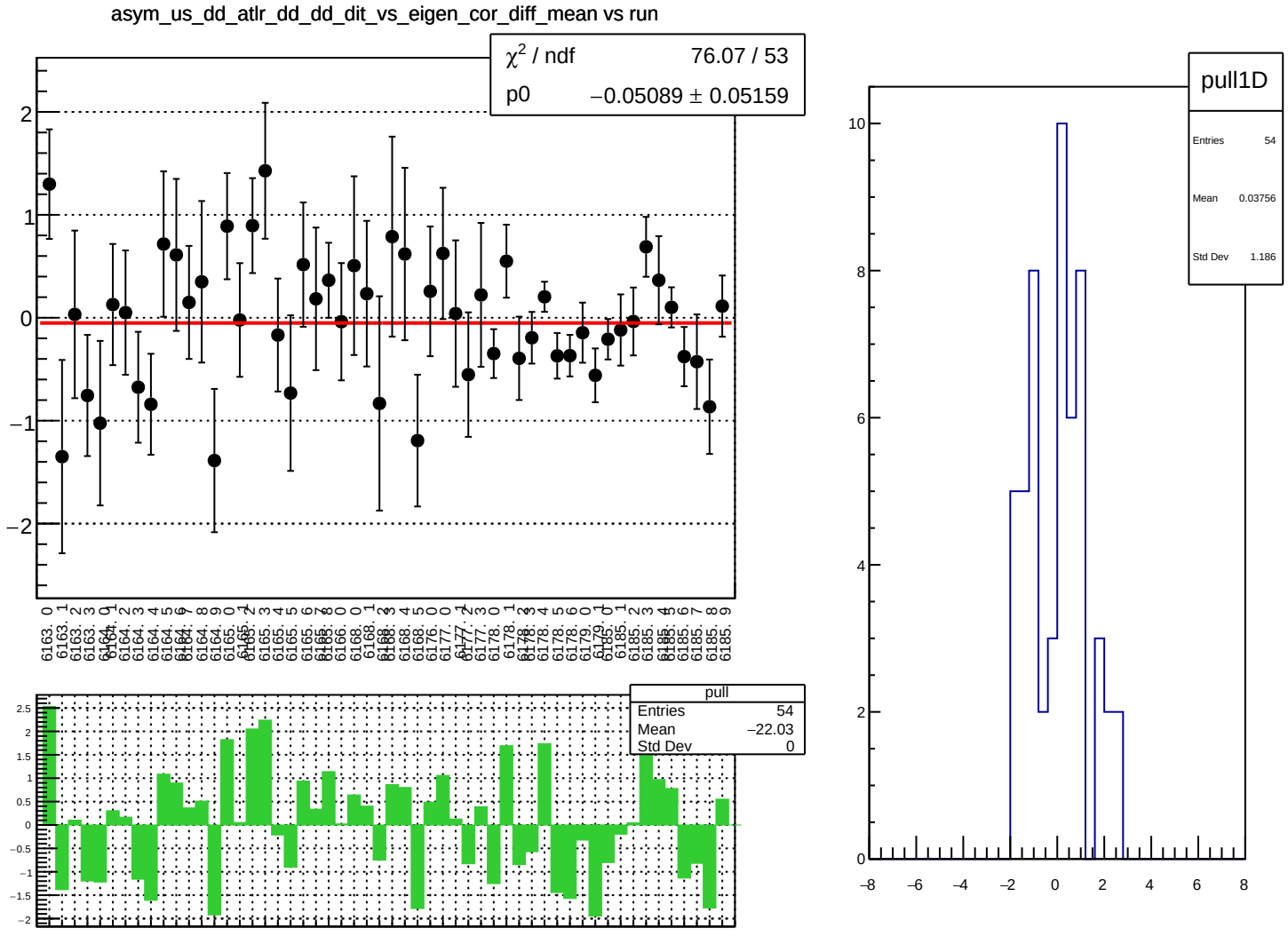

asym_us_dd_atlr_dd_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 57.81 / 53
p0 2.985e−14 ± 5.687e−14
pull
Entries 54
Mean −7.07
Std Dev 0

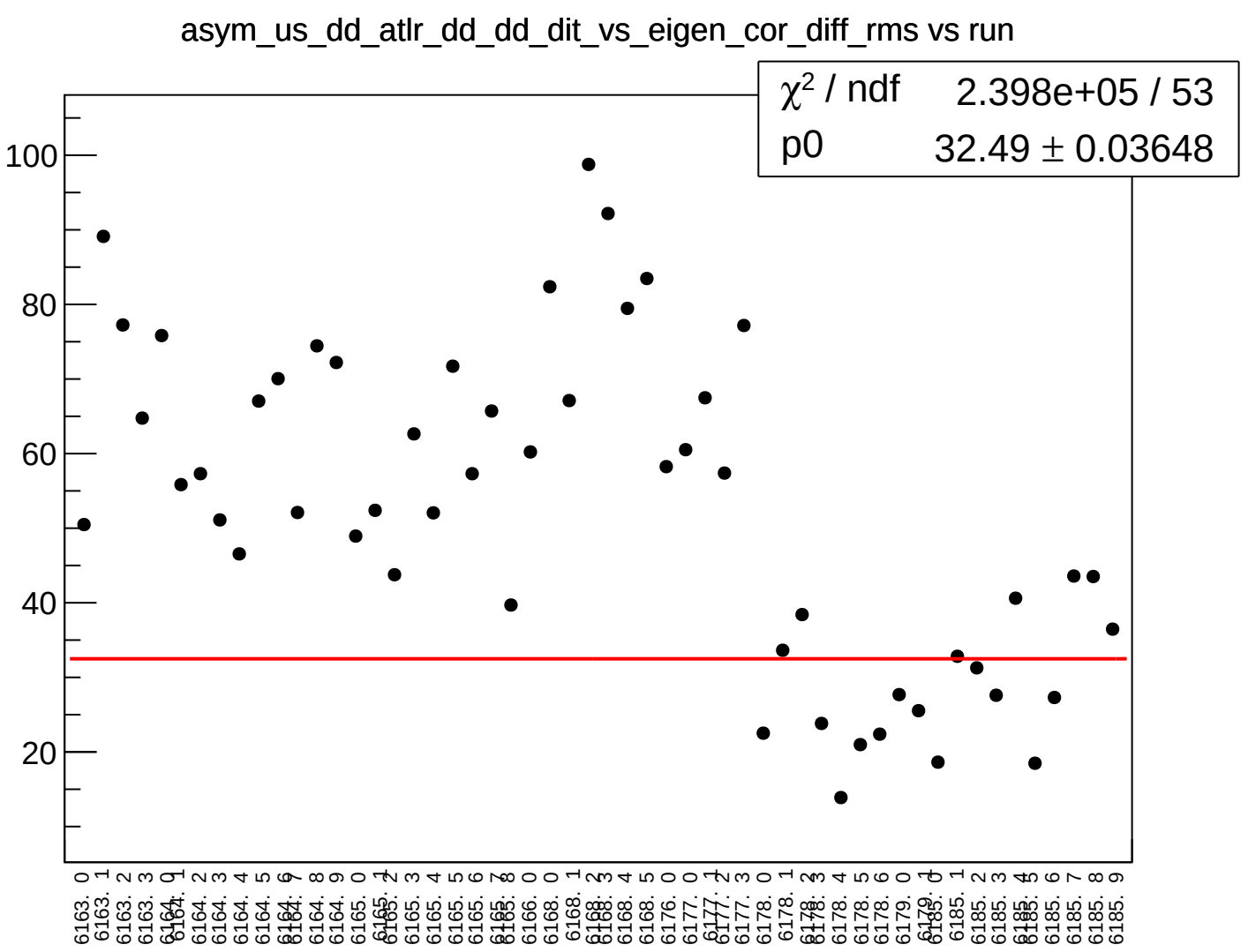

pull1D
Entries 54
Mean 0.03817
Std Dev 1.034

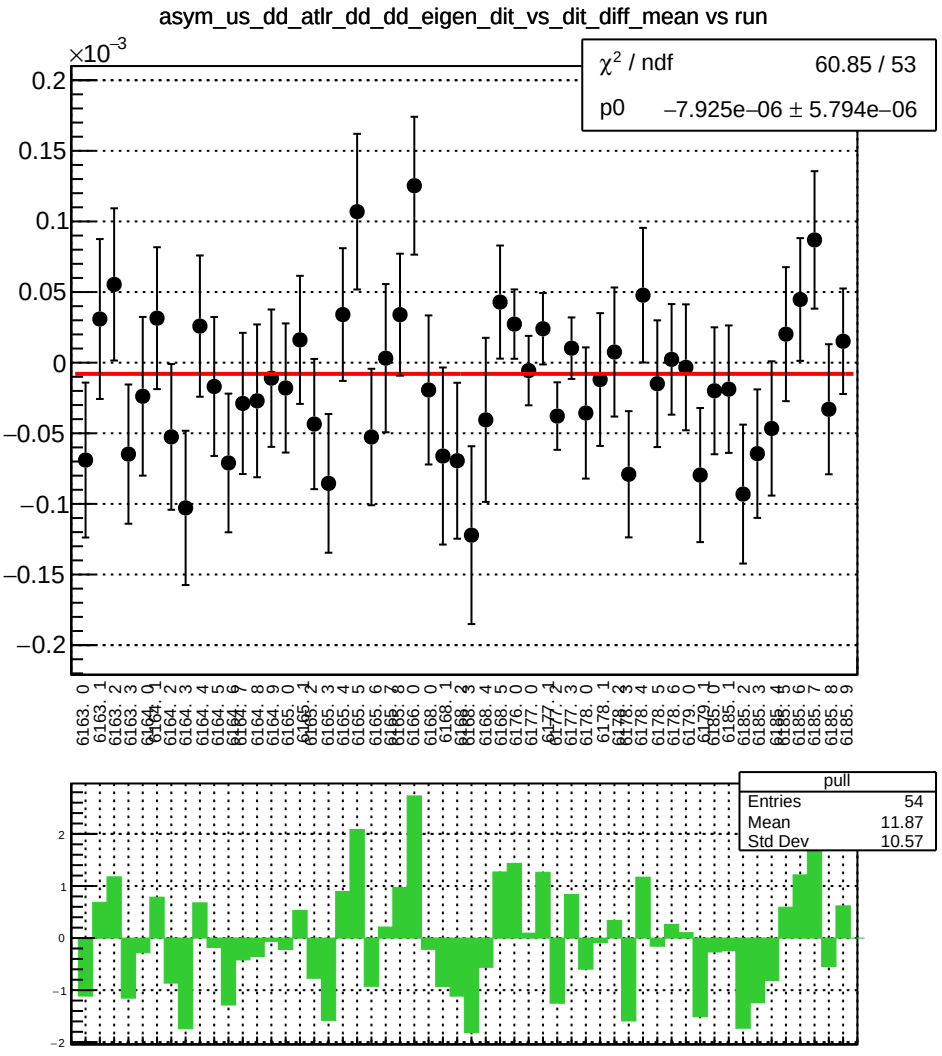

asym_us_dd_atlr_dd_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.252e+05 / 53
p0 2.568e−11 ± 4.022e−14
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0

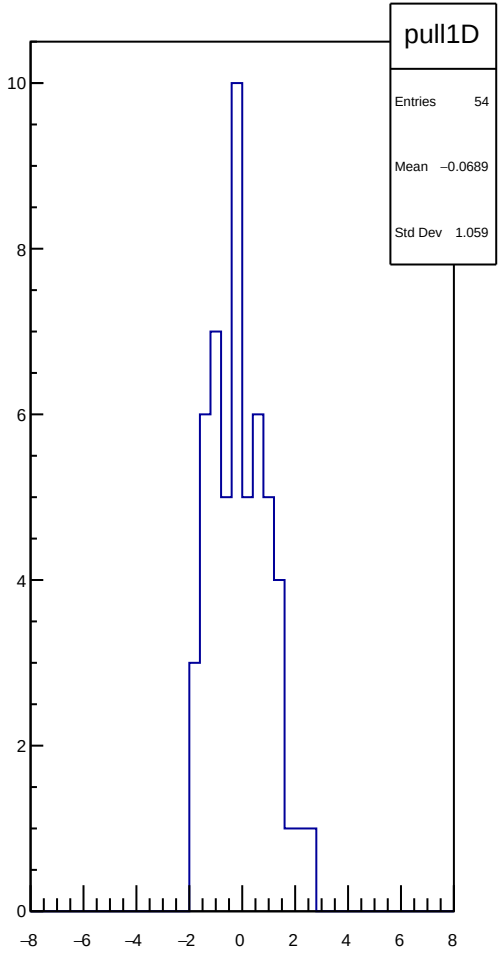

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 76.07 / 53
p0 −0.05089 ± 0.05159
pull
Entries 54
Mean −22.03
Std Dev 0
pull1D
Entries 54
Mean 0.03756
Std Dev 1.186

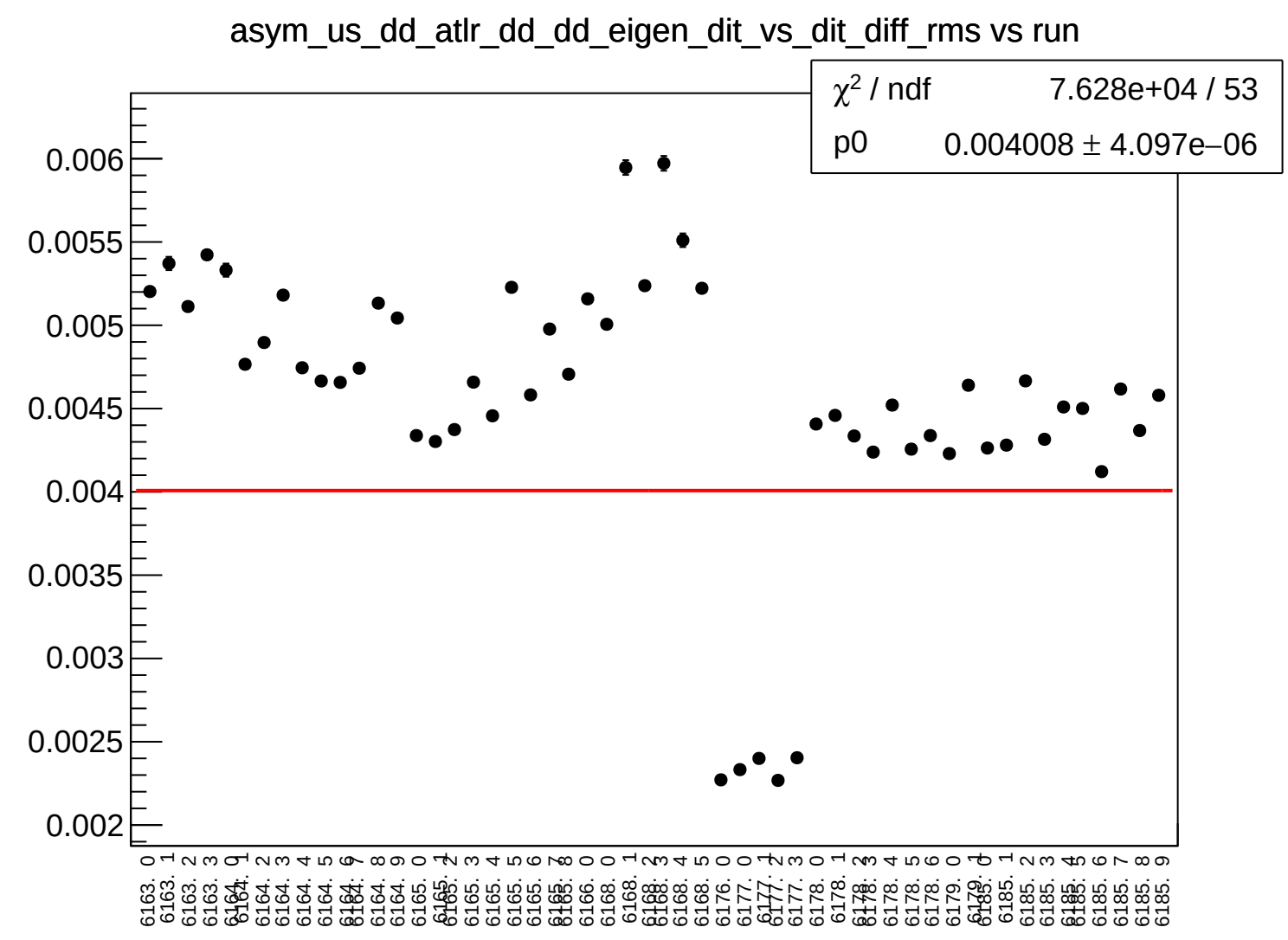

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.398e+05 / 53
p0 32.49 ± 0.03648
100
80
60
40
20
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


asym_us_dd_atlr_dd_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 76.07 / 53
p0 −0.05089 ± 0.05159
pull
Entries 54
Mean −22.03
Std Dev 0
pull1D
Entries 54
Mean 0.03756
Std Dev 1.186


asym_us_dd_atlr_dd_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.398e+05 / 53
p0 32.49 ± 0.03648
100
80
60
40
20
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


asym_us_dd_atlr_dd_dd_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 60.85 / 53
p0 −7.925e−06 ± 5.794e−06
pull
Entries 54
Mean 11.87
Std Dev 10.57


pull1D
Entries 54
Mean −0.0689
Std Dev 1.059


asym_us_dd_atlr_dd_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 7.628e+04 / 53
p0 0.004008 ± 4.097e−06
0.006
0.0055
0.005
0.0045
0.004
0.0035
0.003
0.0025
0.002
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
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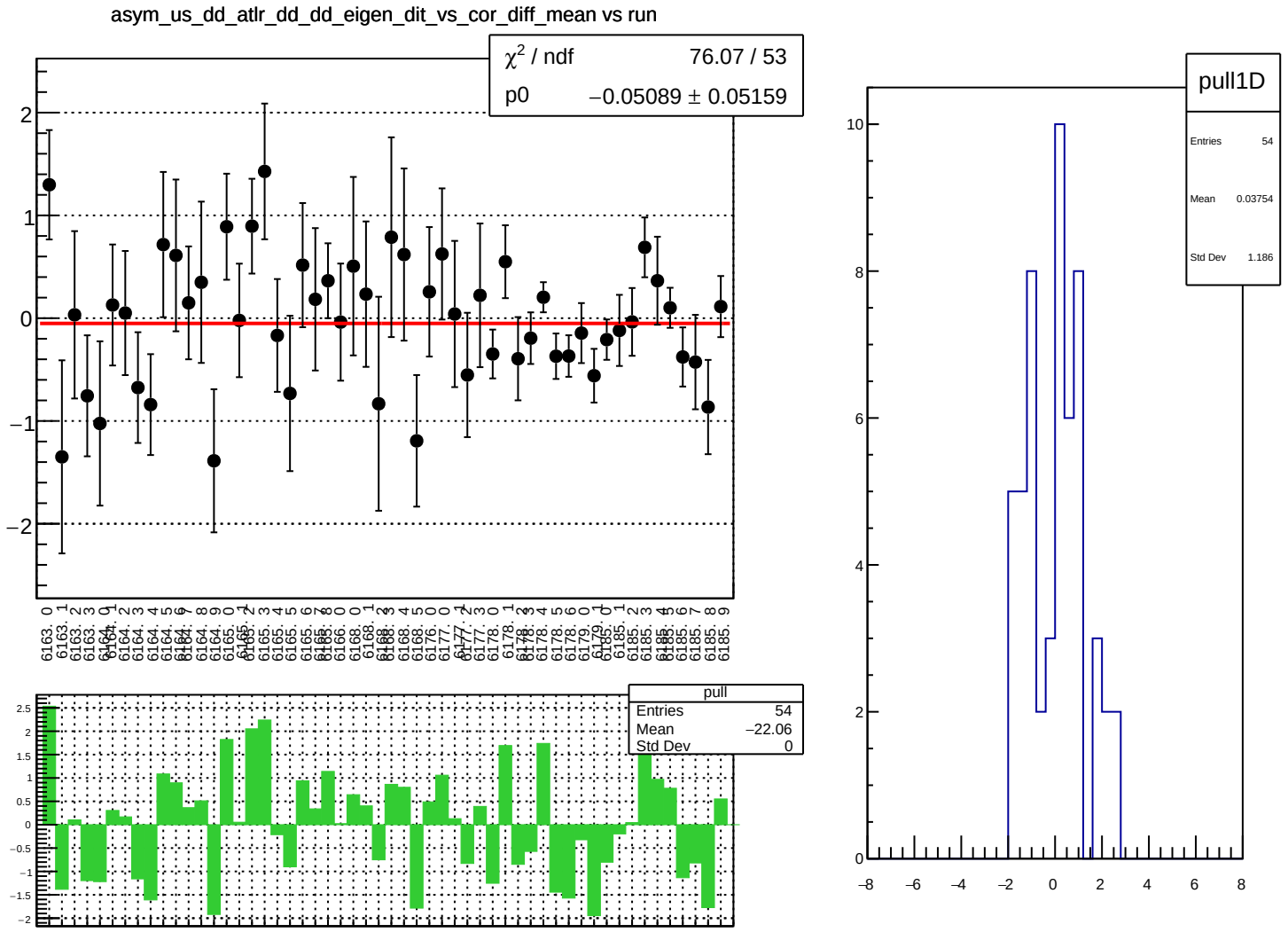
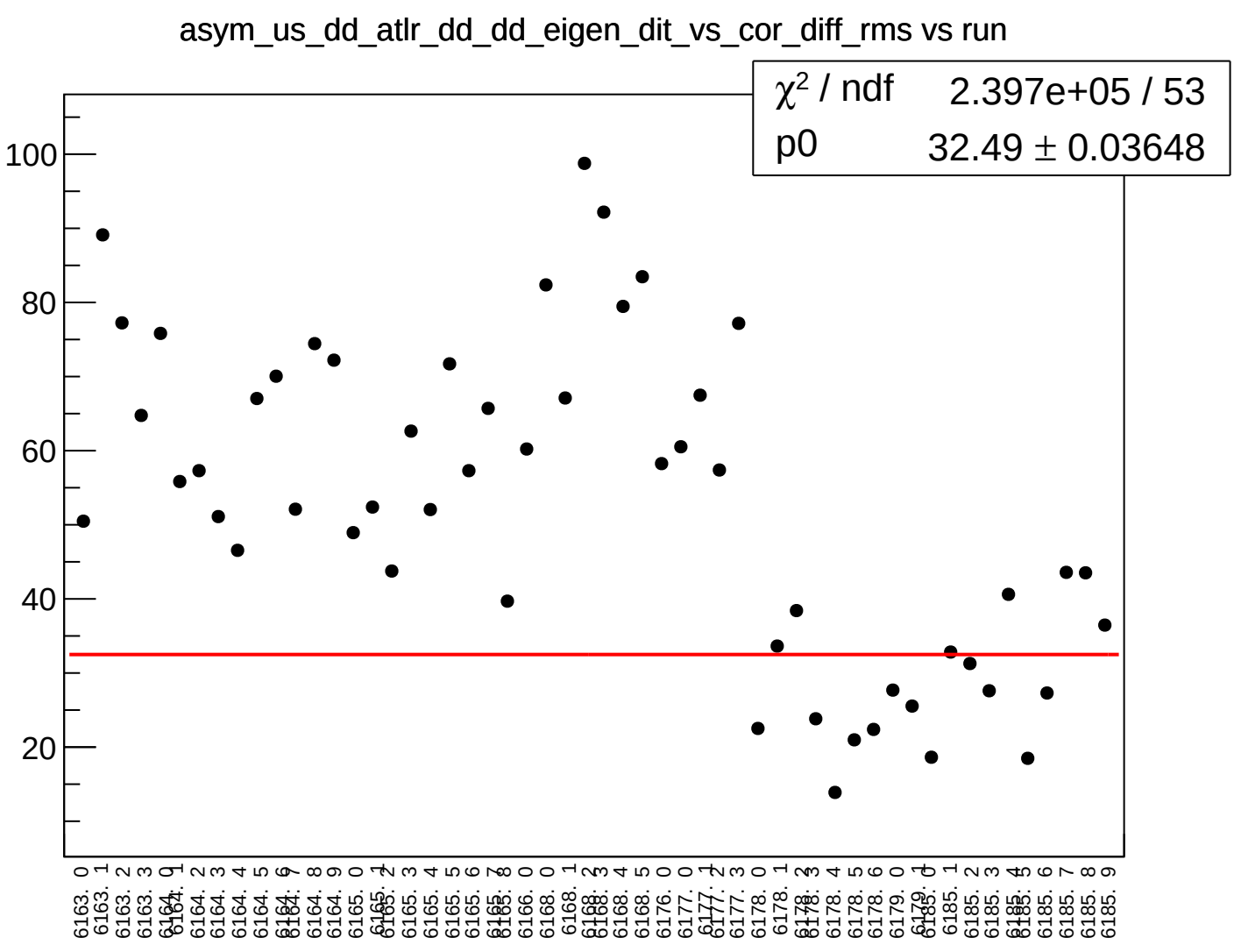
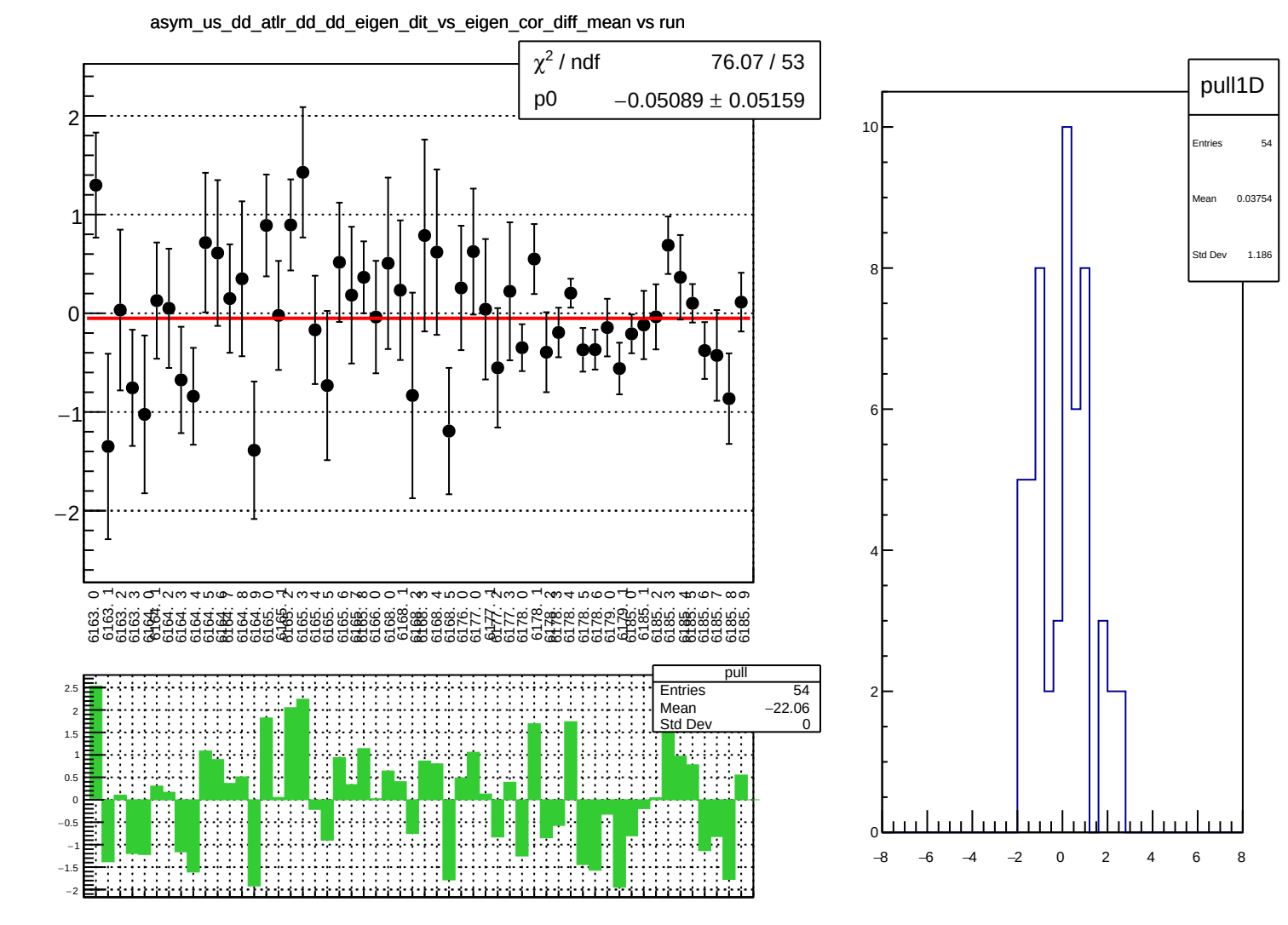
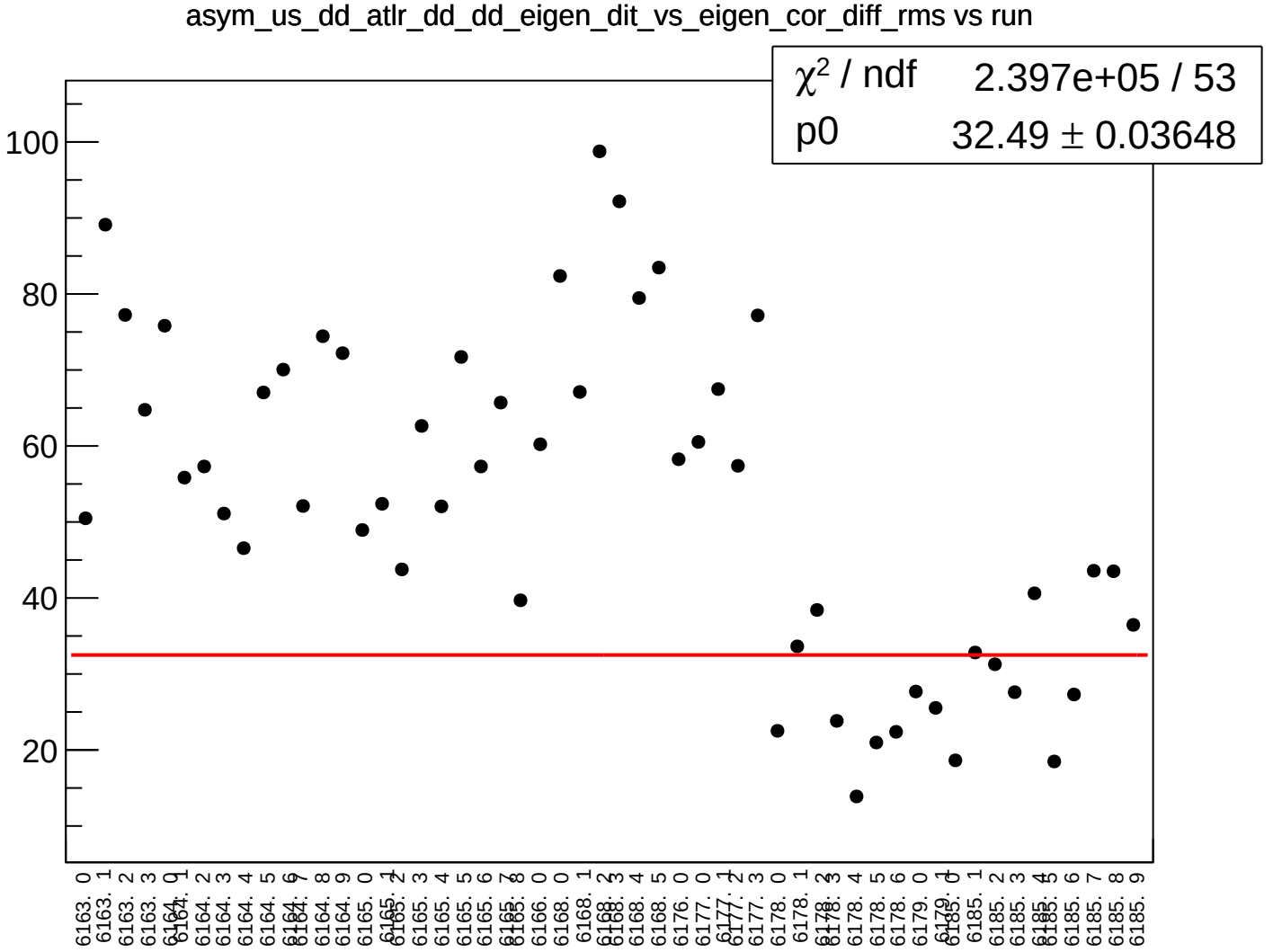
6185. 8
6185. 9


asym_us_dd_atlr_dd_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 76.07 / 53
p0 −0.05089 ± 0.05159
pull
Entries 54
Mean −22.06
Std Dev 0
pull1D
Entries 54
Mean 0.03754
Std Dev 1.186


asym_us_dd_atlr_dd_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.397e+05 / 53
p0 32.49 ± 0.03648
100
80
60
40
20
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 76.07 / 53
p0 −0.05089 ± 0.05159
pull
Entries 54
Mean −22.06
Std Dev 0
pull1D
Entries 54
Mean 0.03754
Std Dev 1.186


asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.397e+05 / 53
p0 32.49 ± 0.03648
100
80
60
40
20
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
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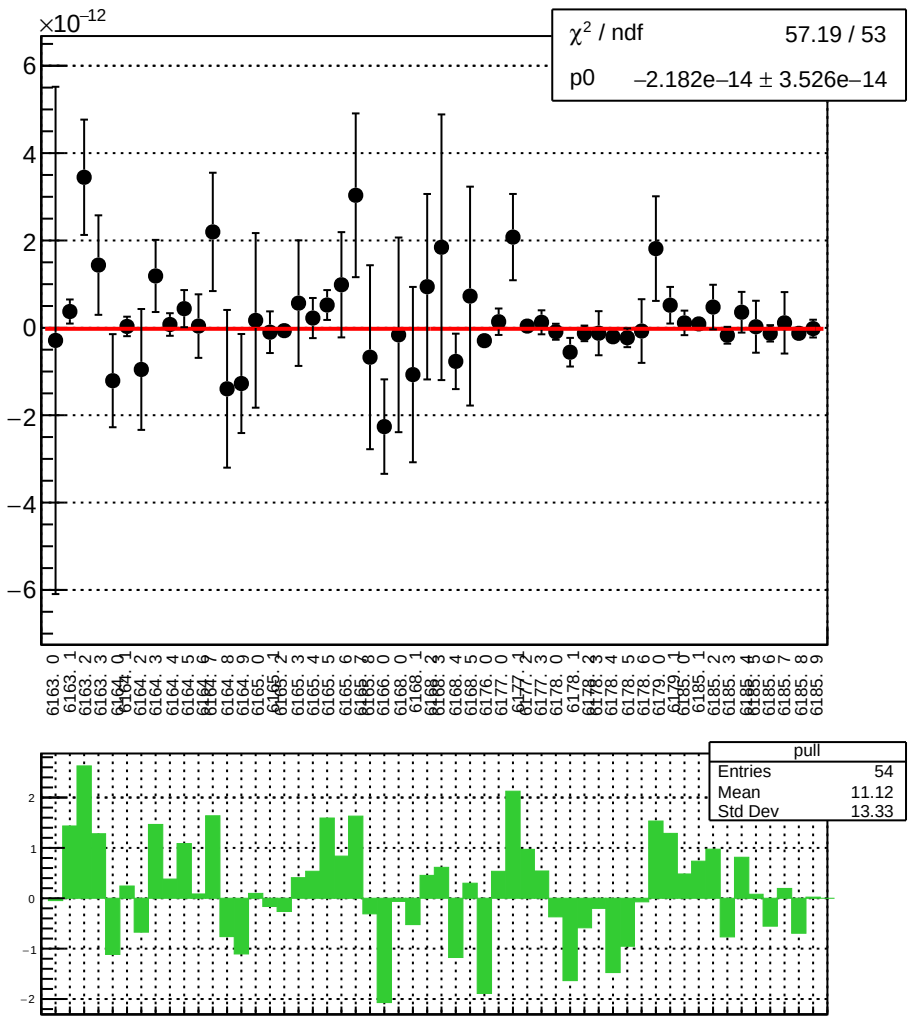
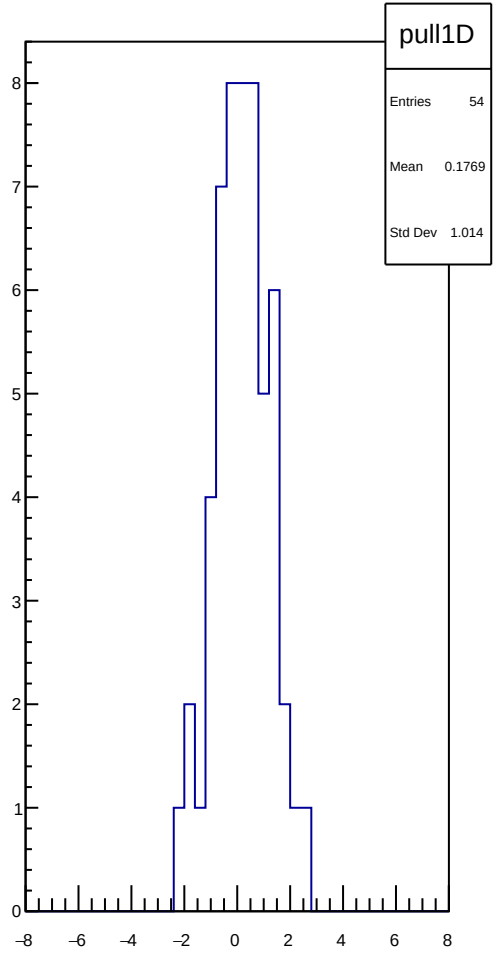
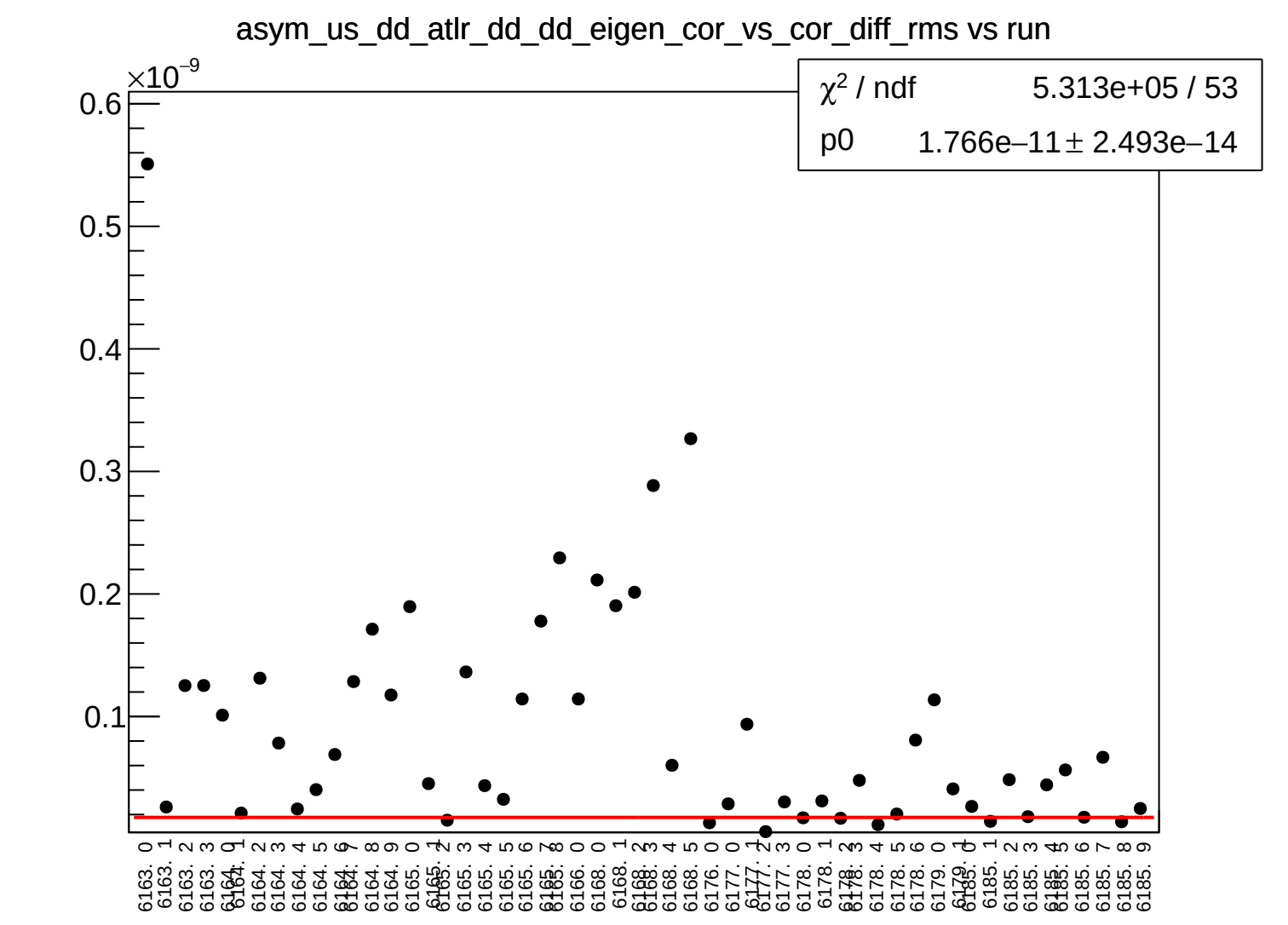
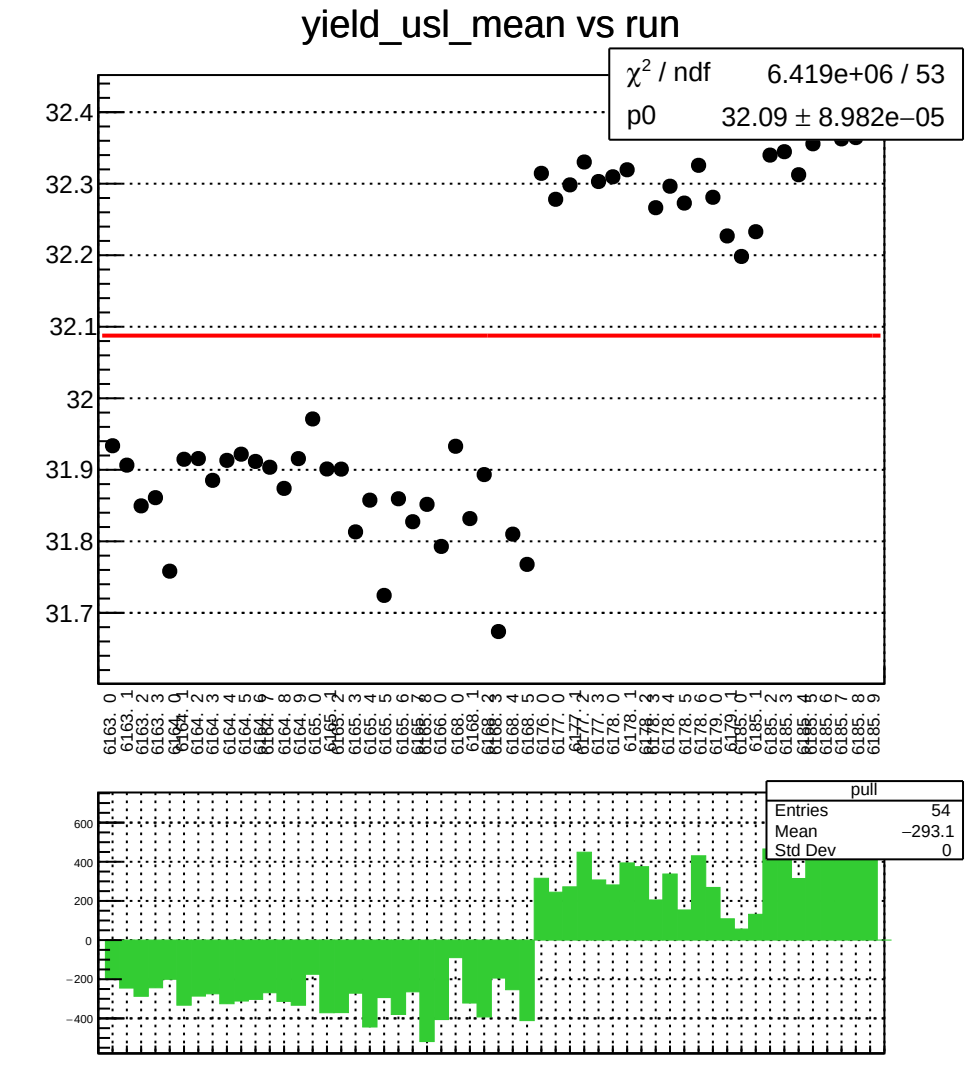
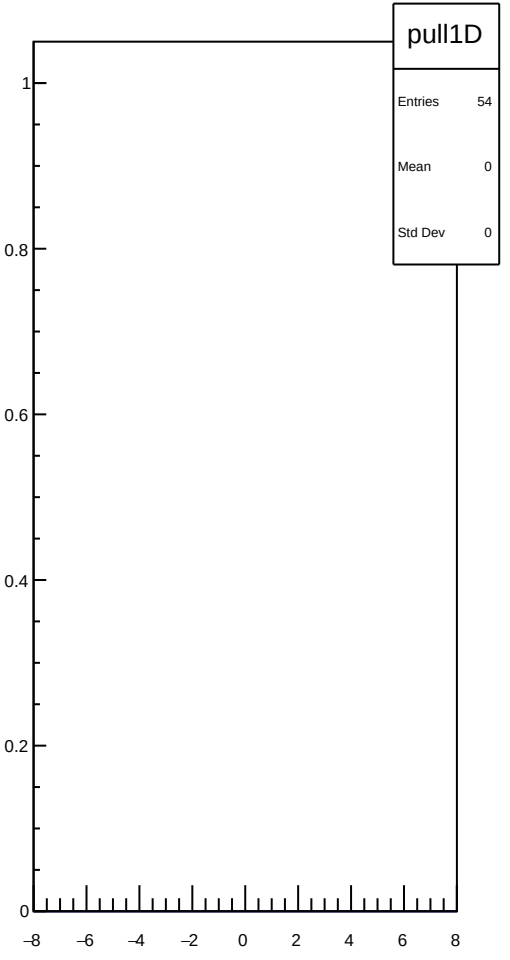
6185. 9

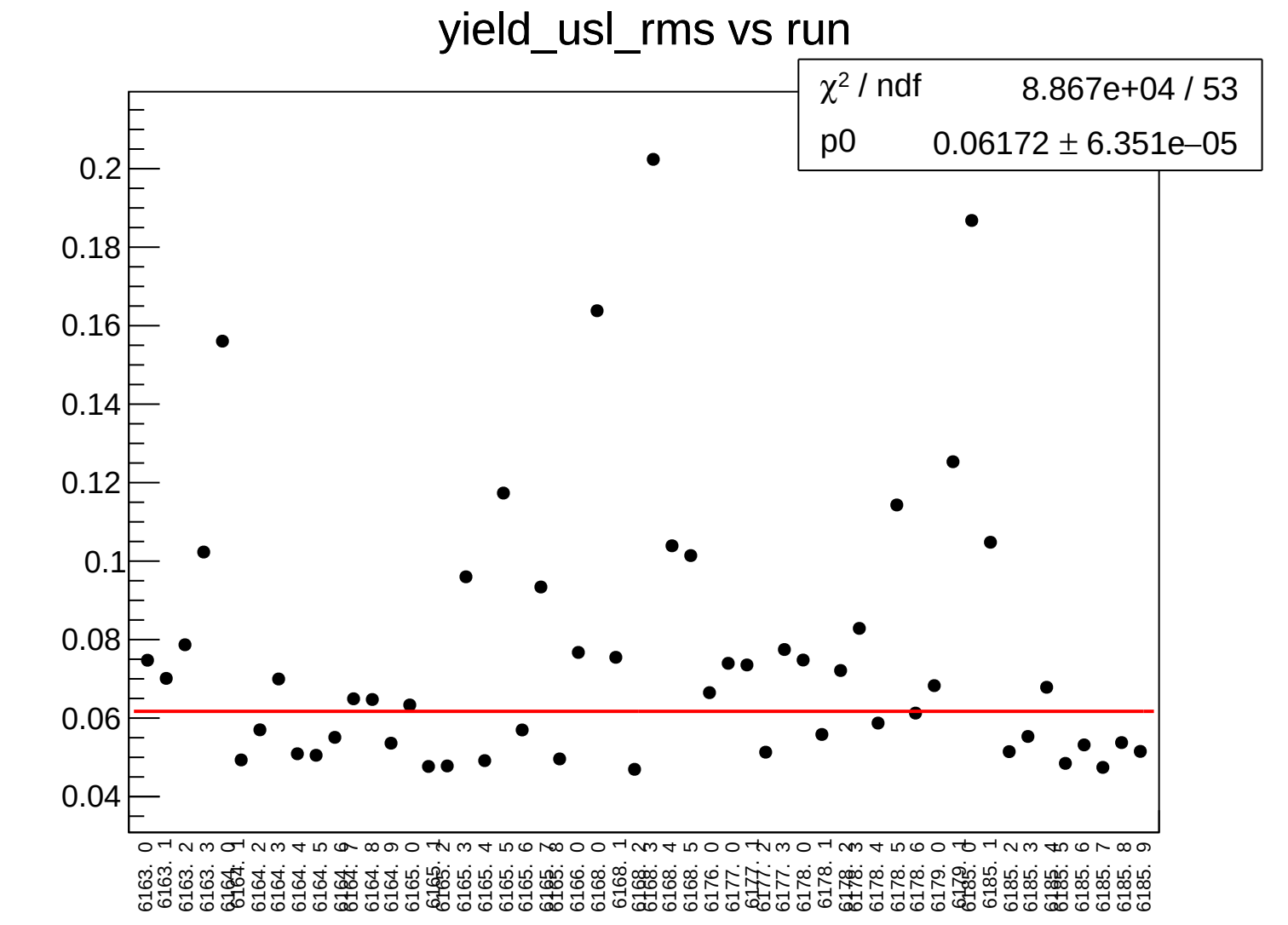

asym_us_dd_atlr_dd_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 57.19 / 53
p0 −2.182e−14 ± 3.526e−14
pull
Entries 54
Mean 11.12
Std Dev 13.33

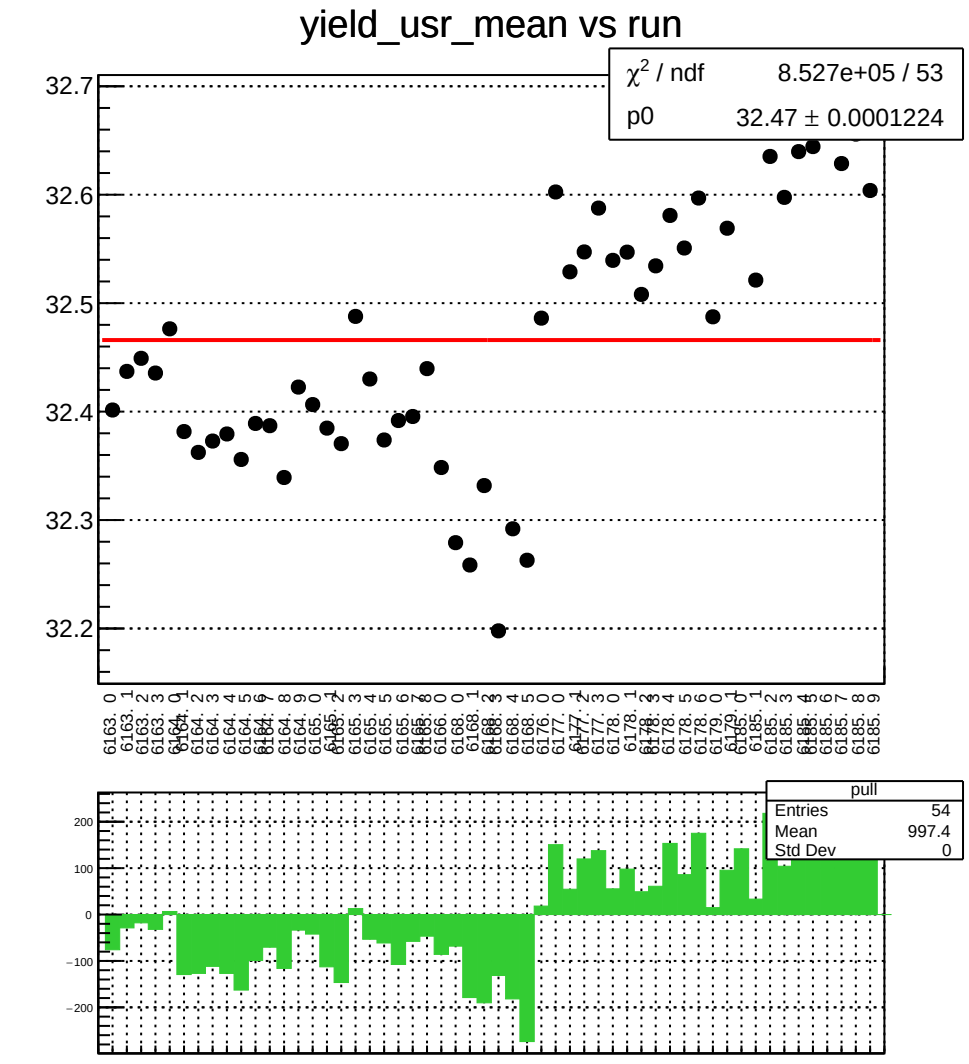

pull1D
Entries 54
Mean 0.1769
Std Dev 1.014

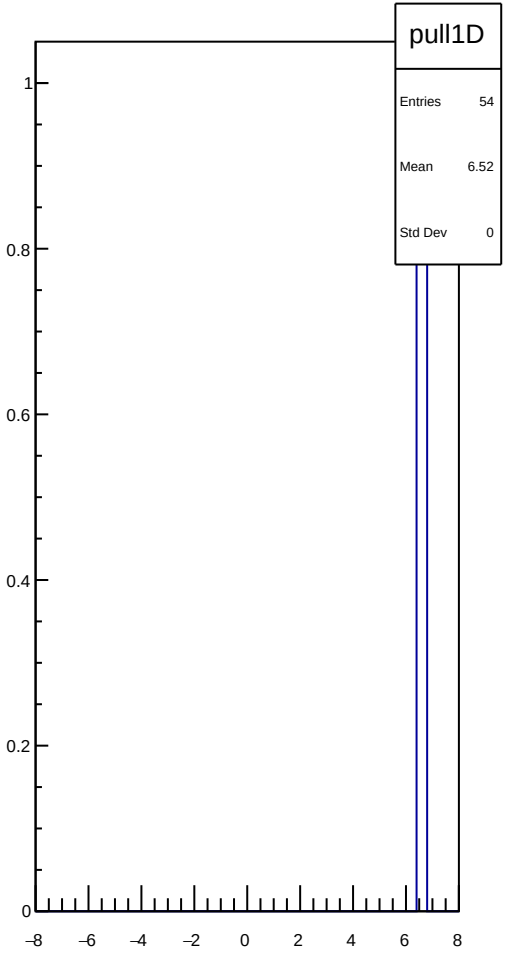

asym_us_dd_atlr_dd_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.313e+05 / 53
p0 1.766e−11 ± 2.493e−14
0.6
0.5
0.4
0.3
0.2
0.1
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

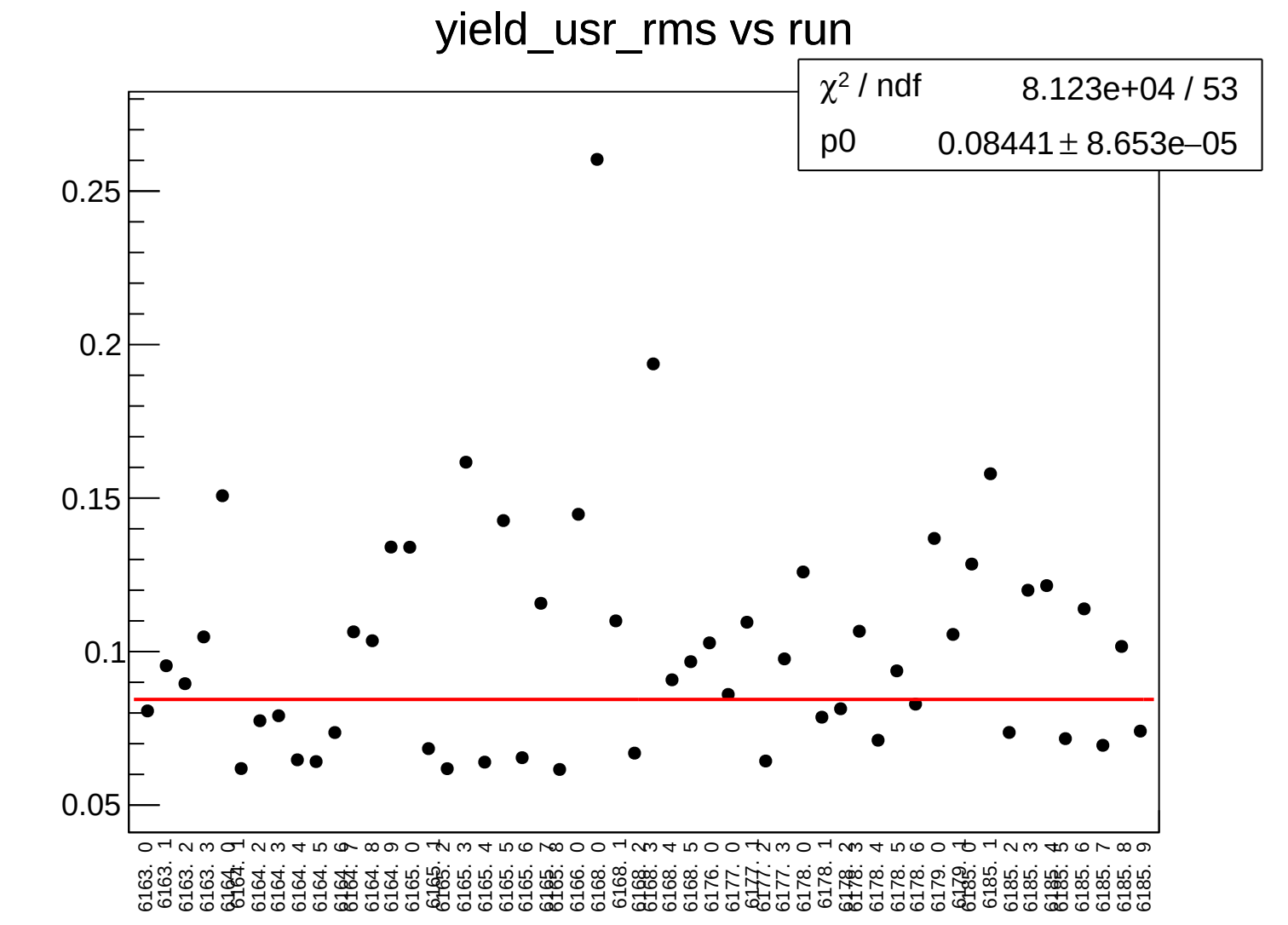

yield_usl_mean vs run
χ² / ndf 6.419e+06 / 53
p0 32.09 ± 8.982e−05
32.4
32.3
32.2
32.1
32
31.9
31.8
31.7
pull
Entries 54
Mean −293.1
Std Dev 0
600
400
200
0
−200
−400

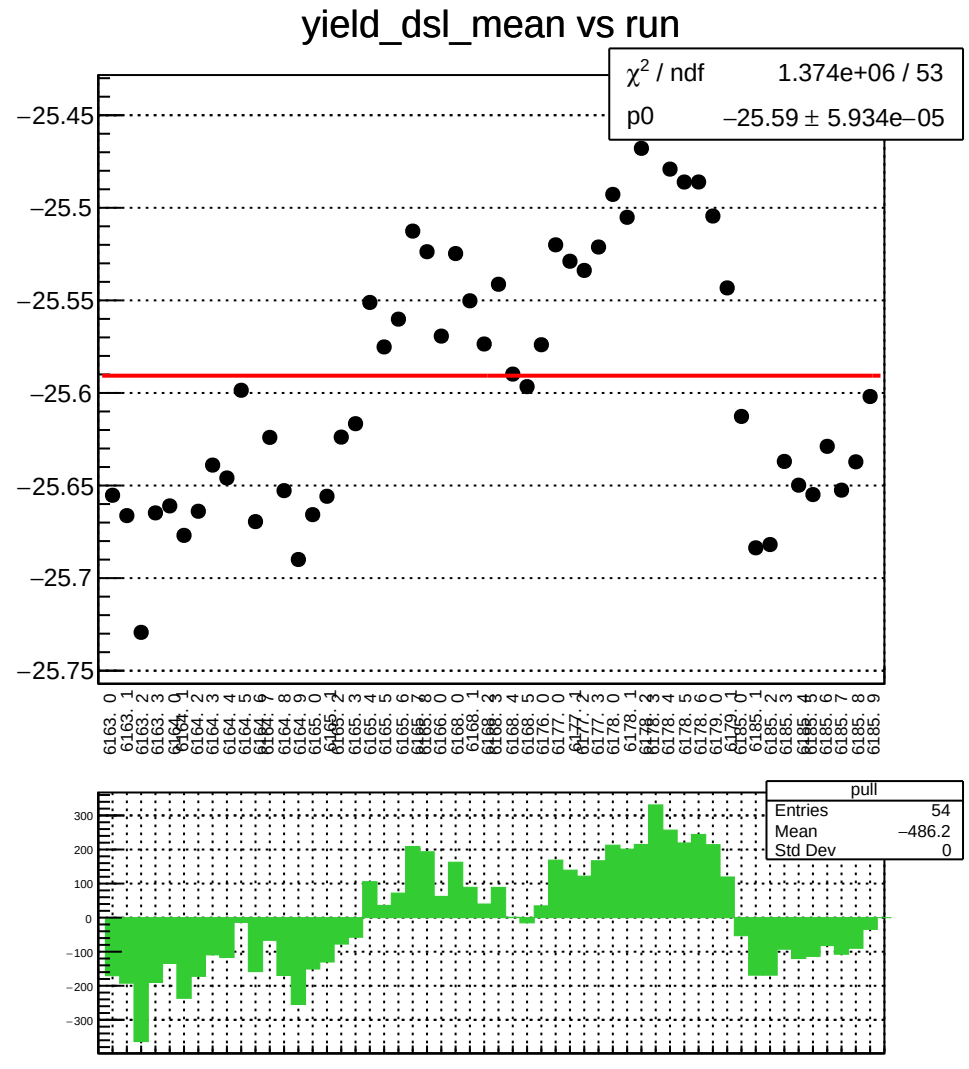

pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

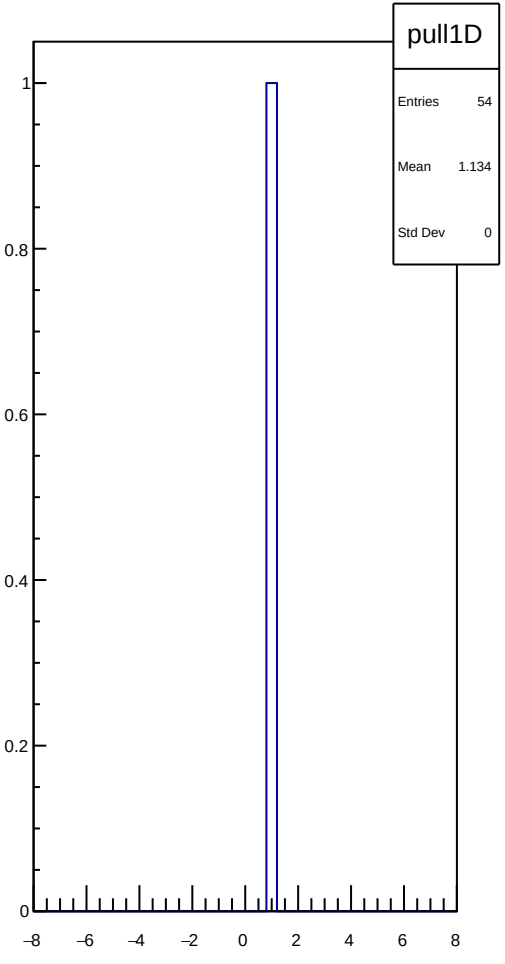

yield_usl_rms vs run
χ² / ndf 8.867e+04 / 53
p0 0.06172 ± 6.351e–05
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

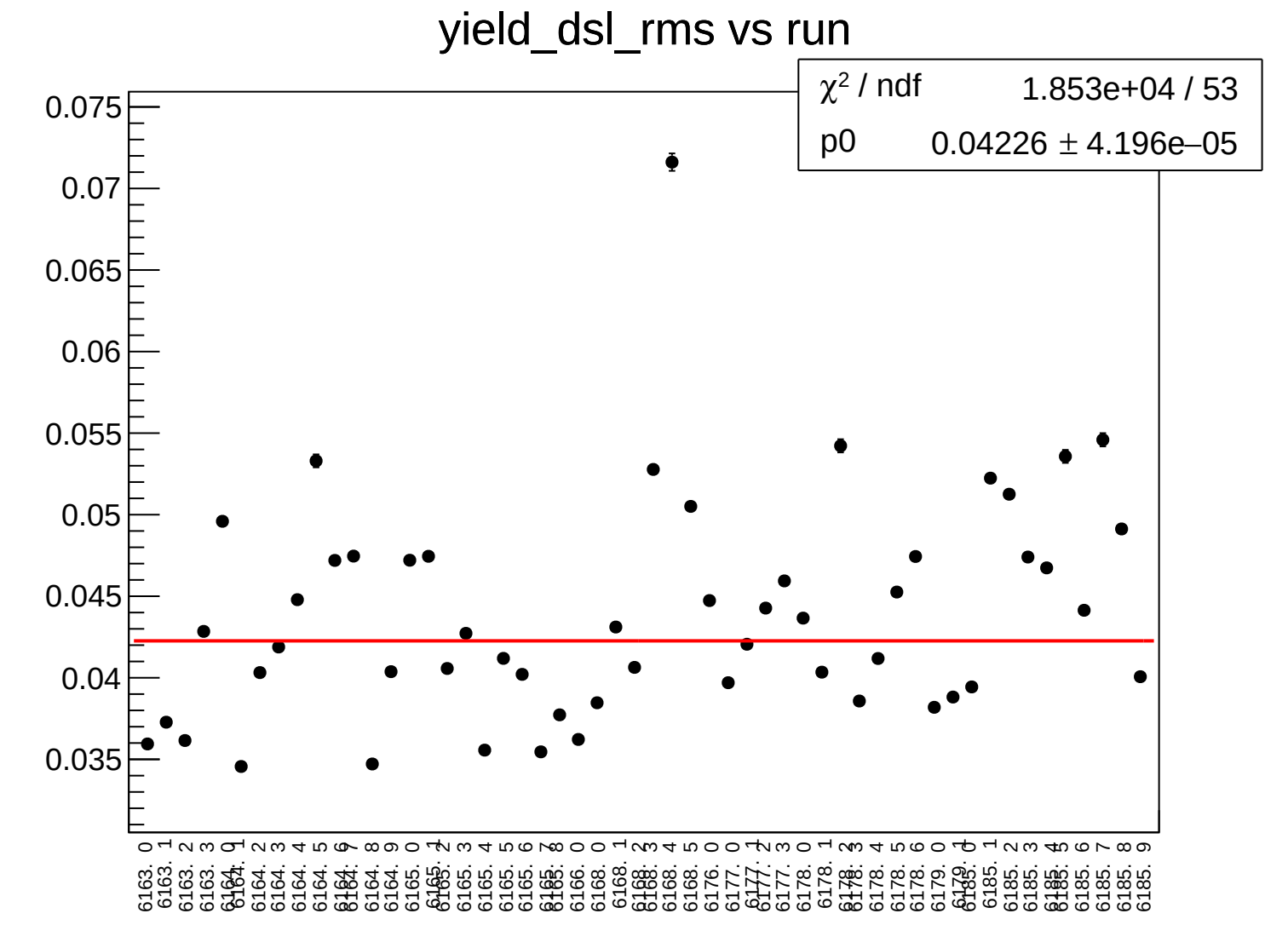

yield_usr_mean vs run
χ² / ndf 8.527e+05 / 53
p0 32.47 ± 0.0001224
32.7
32.6
32.5
32.4
32.3
32.2
pull
Entries 54
Mean 997.4
Std Dev 0
200
100
0
−100
−200

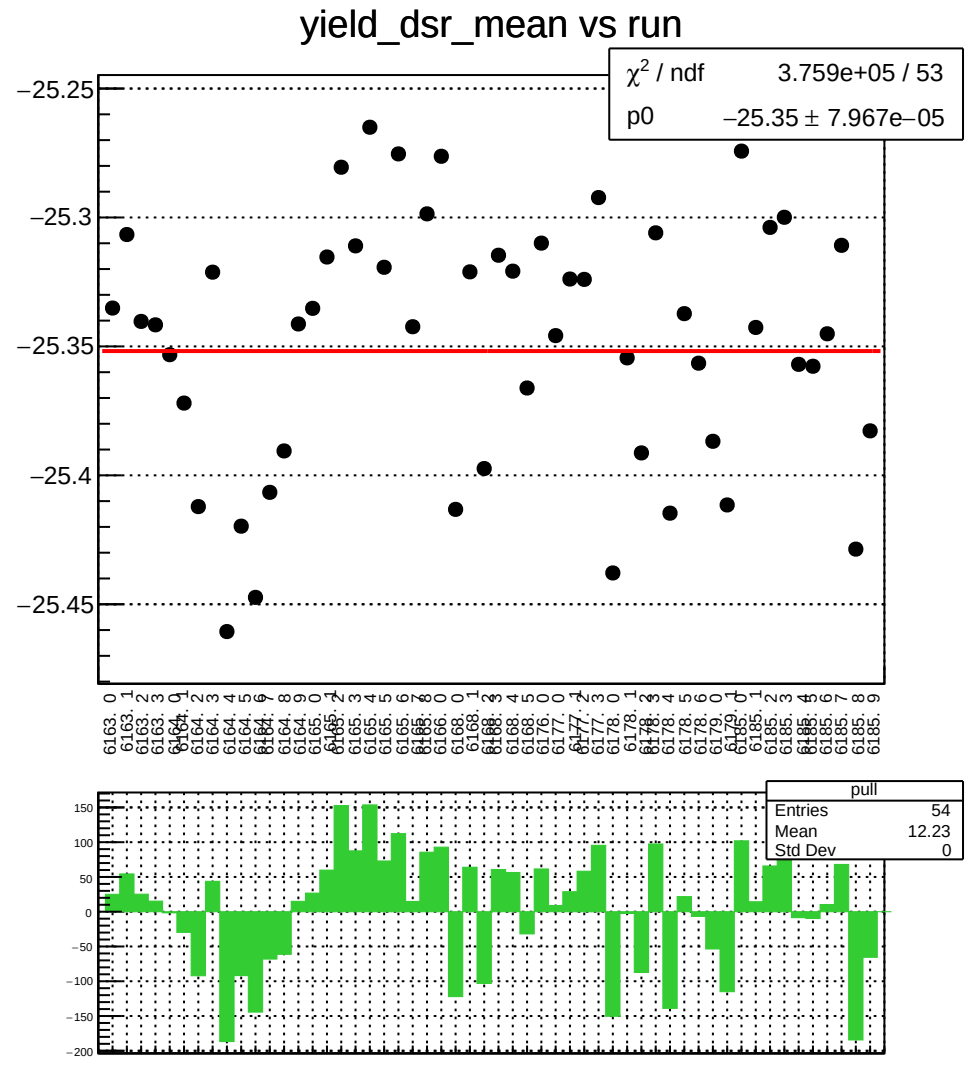

pull1D
Entries 54
Mean 6.52
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

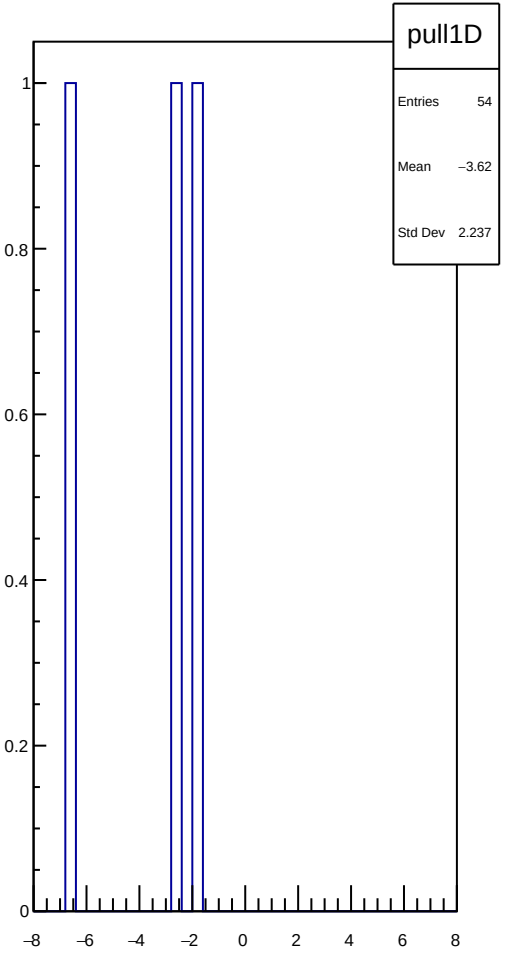

yield_usr_rms vs run
χ² / ndf 8.123e+04 / 53
p0 0.08441 ± 8.653e–05
0.25
0.2
0.15
0.1
0.05
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

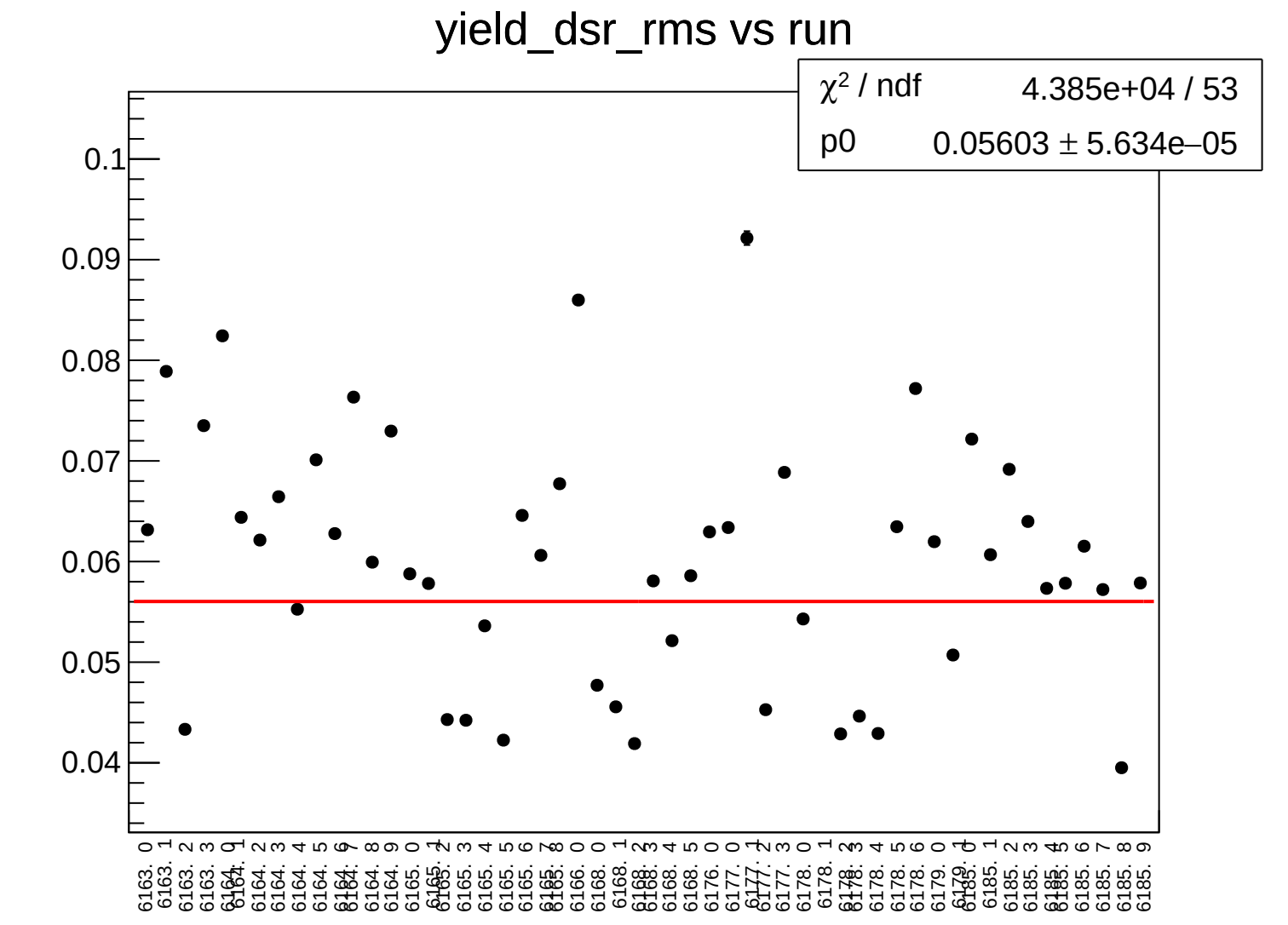

yield_dsl_mean vs run
χ² / ndf 1.374e+06 / 53
p0 −25.59 ± 5.934e−05
−25.45
−25.5
−25.55
−25.6
−25.65
−25.7
−25.75
pull
Entries 54
Mean −486.2
Std Dev 0
300
200
100
0
−100
−200
−300

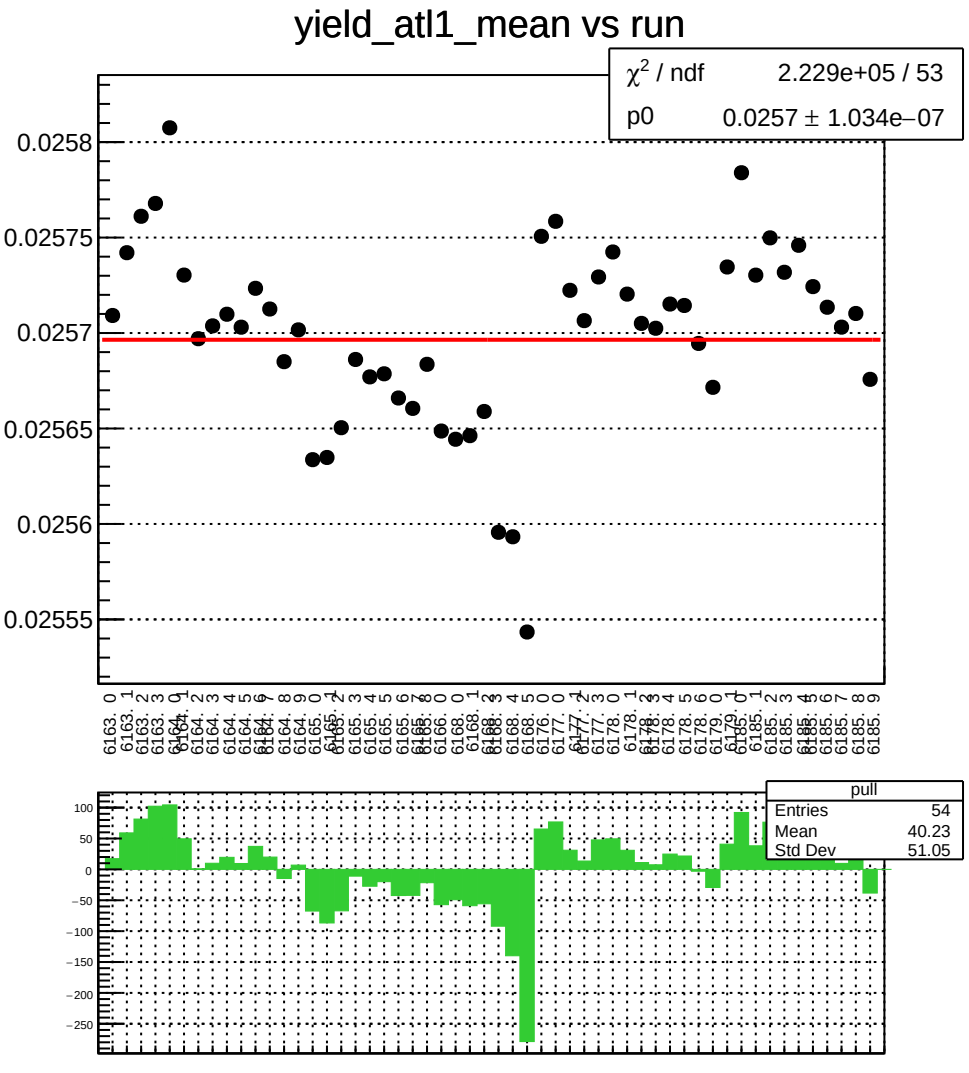

pull1D
Entries 54
Mean 1.134
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

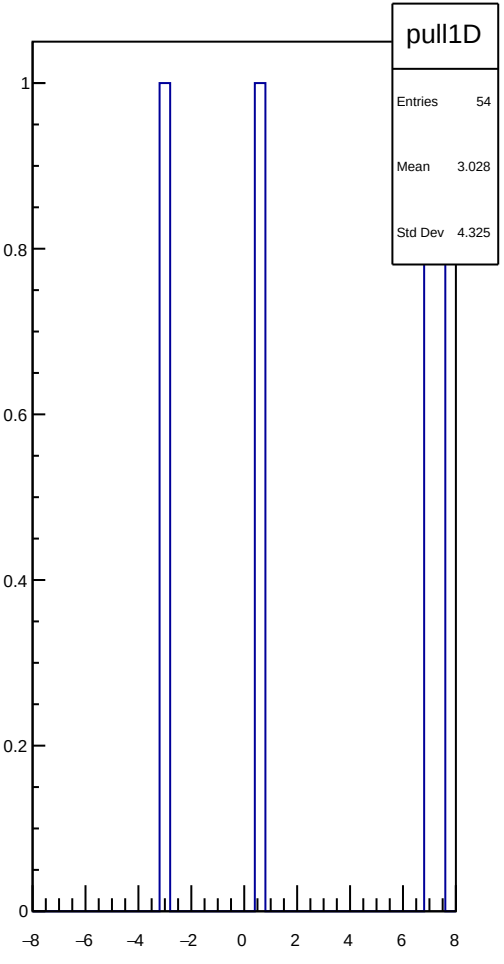

yield_dsl_rms vs run
χ² / ndf 1.853e+04 / 53
p0 0.04226 ± 4.196e−05
0.075
0.07
0.065
0.06
0.055
0.05
0.045
0.04
0.035
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

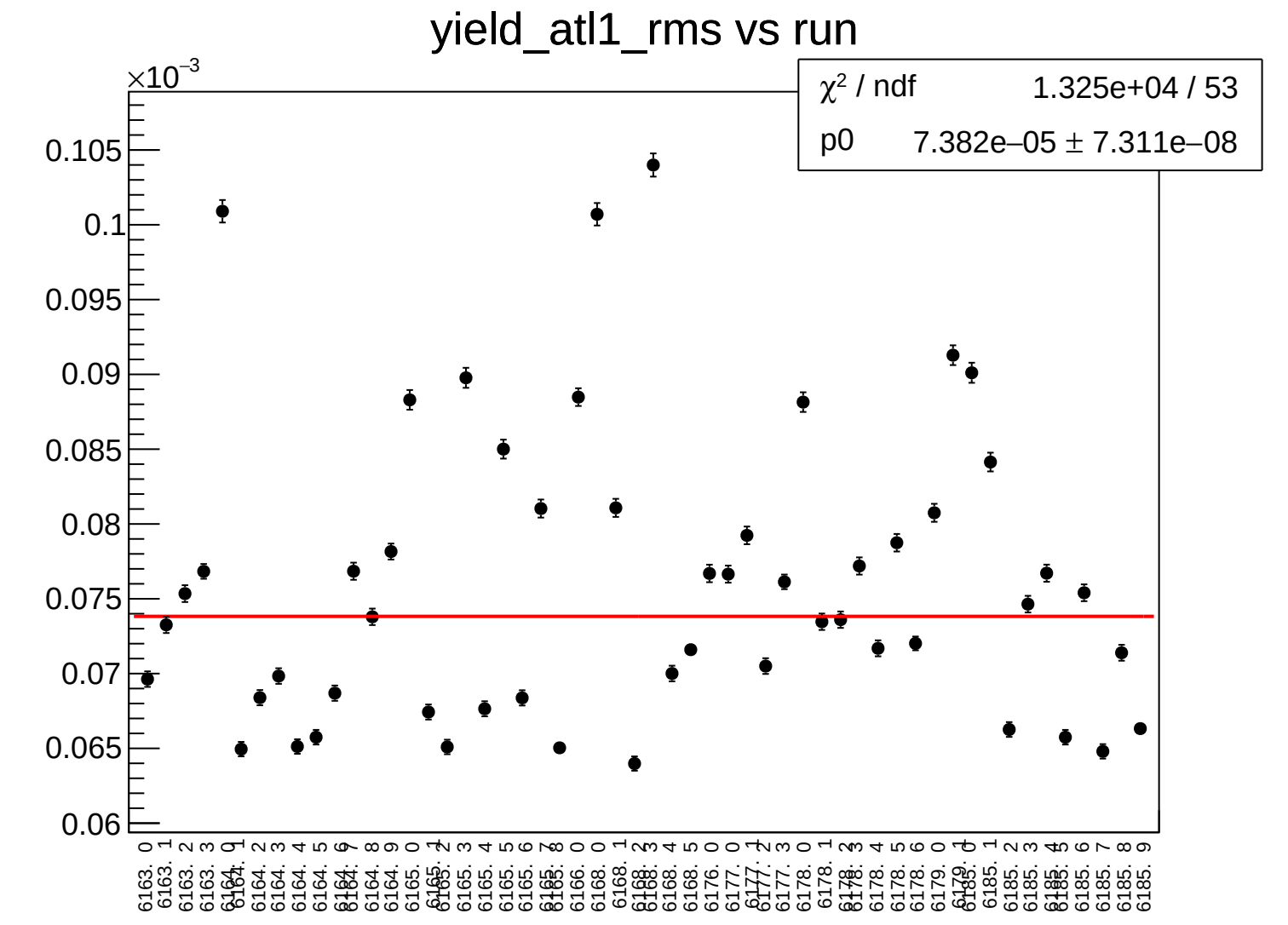

yield_dsr_mean vs run
χ² / ndf 3.759e+05 / 53
p0 −25.35 ± 7.967e−05
−25.25
−25.3
−25.35
−25.4
−25.45
pull
Entries 54
Mean 12.23
Std Dev 0
150
100
50
0
−50
−100
−150
−200

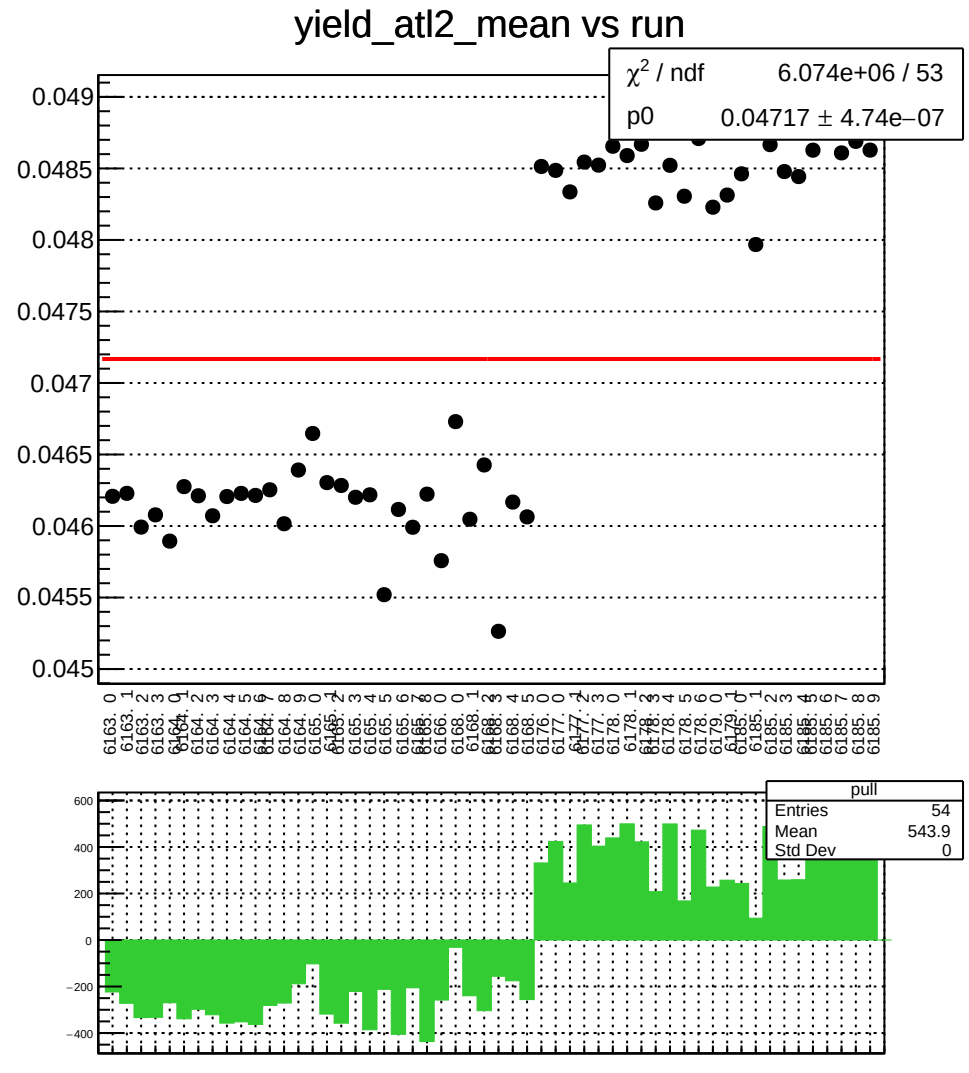

pull1D
Entries 54
Mean −3.62
Std Dev 2.237
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

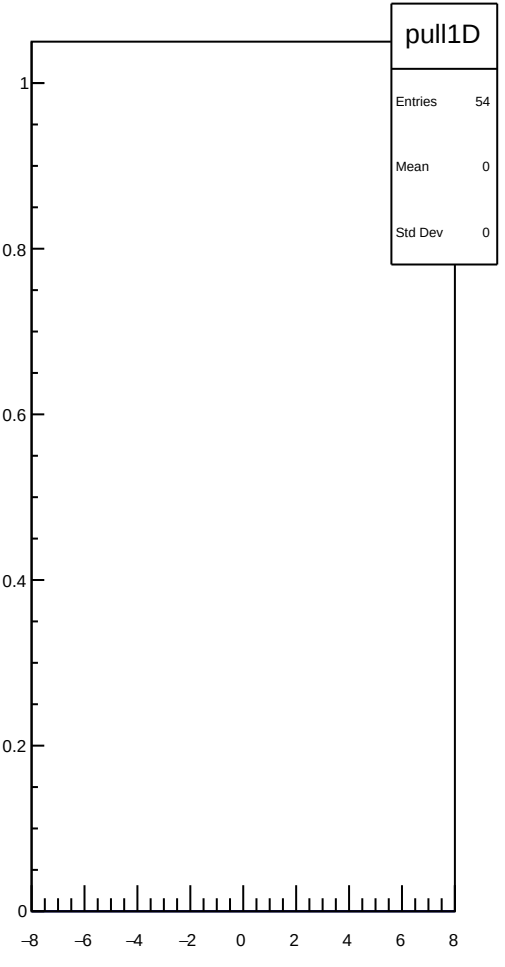

yield_dsr_rms vs run
χ² / ndf 4.385e+04 / 53
p0 0.05603 ± 5.634e−05
0.1
0.09
0.08
0.07
0.06
0.05
0.04
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

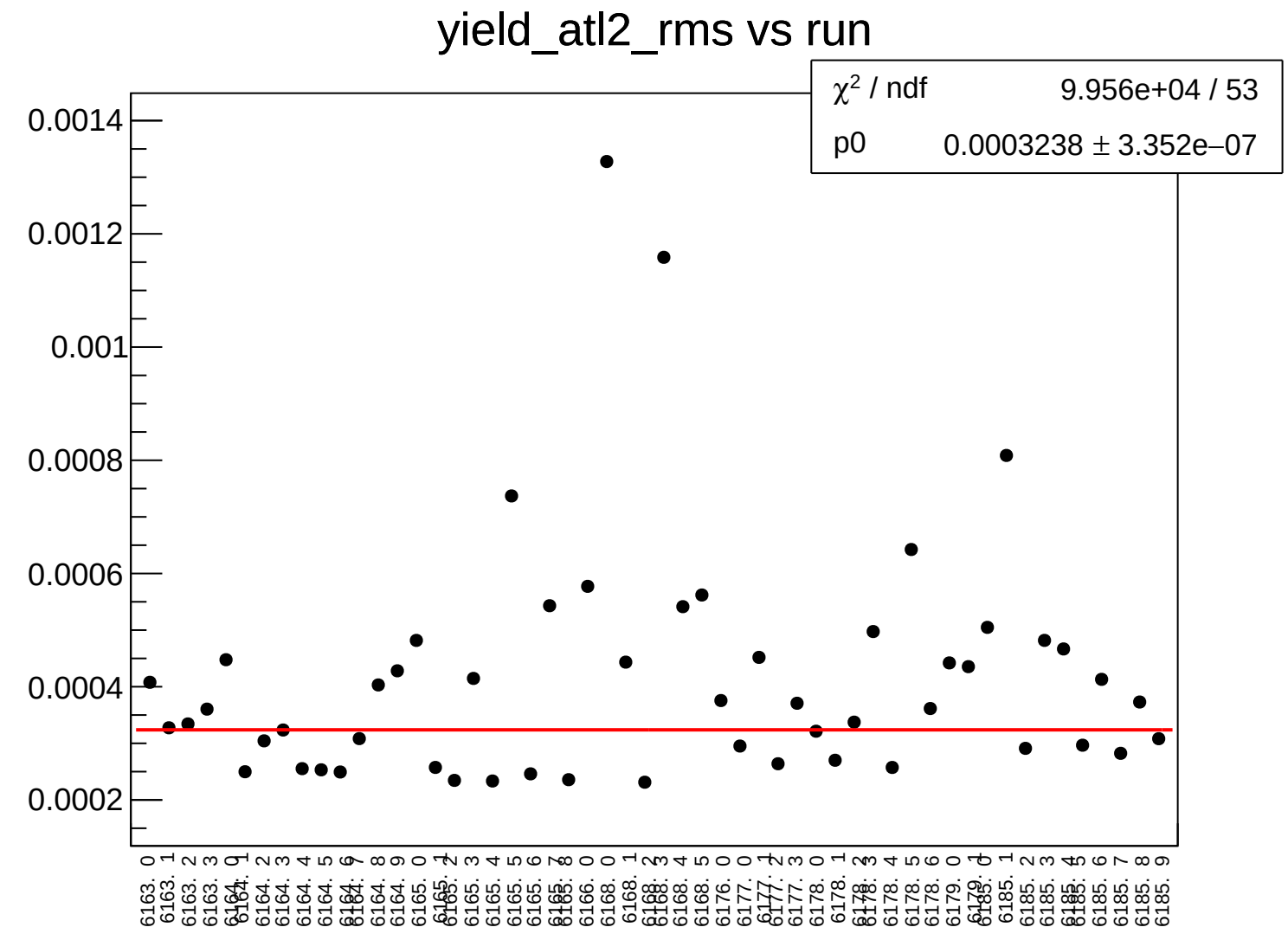

yield_atl1_mean vs run
χ² / ndf 2.229e+05 / 53
p0 0.0257 ± 1.034e−07
0.0258
0.02575
0.0257
0.02565
0.0256
0.02555
pull
Entries 54
Mean 40.23
Std Dev 51.05
100
50
0
−50
−100
−150
−200
−250

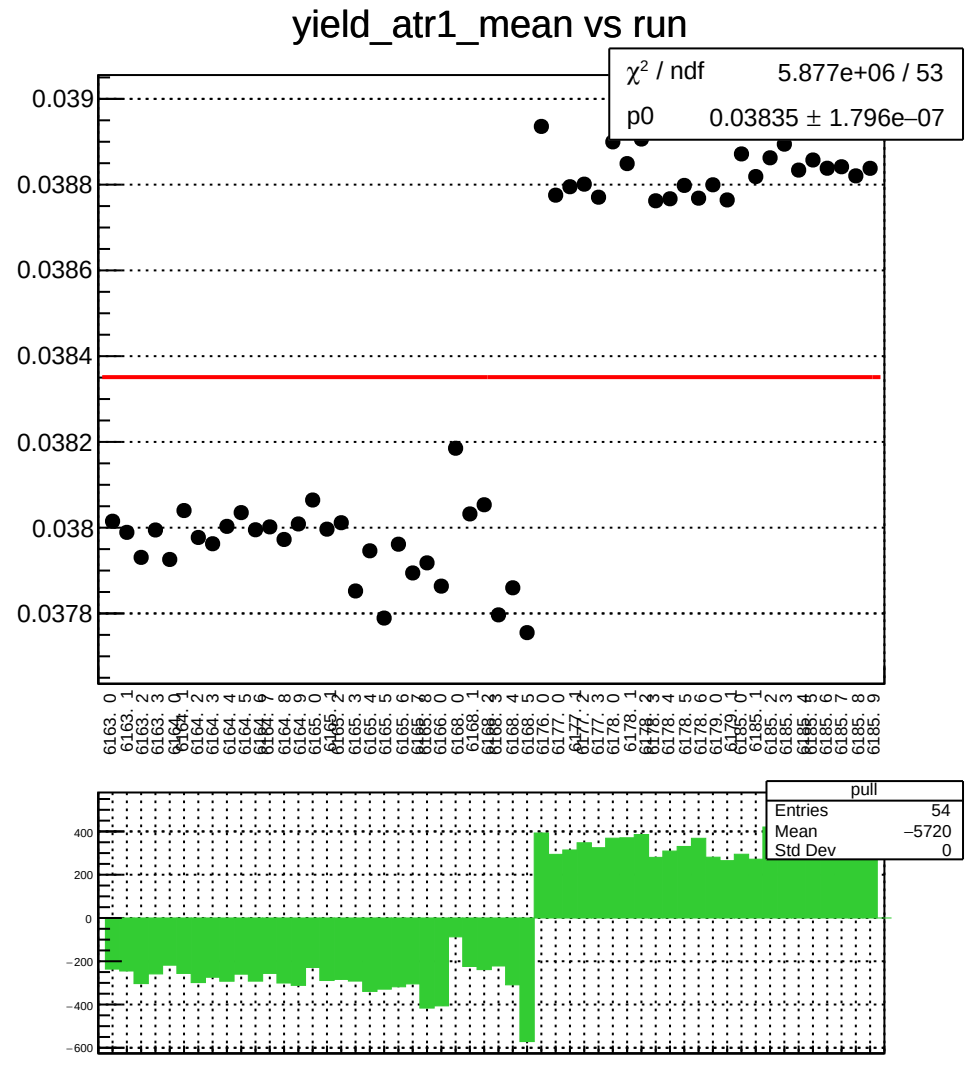

pull1D
Entries 54
Mean 3.028
Std Dev 4.325
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

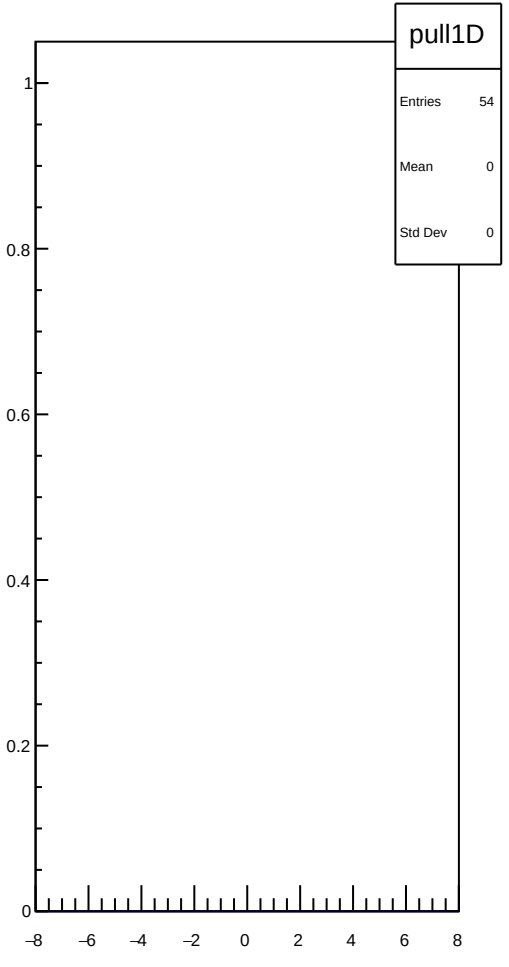

yield_atl1_rms vs run
×10⁻³
χ² / ndf 1.325e+04 / 53
p0 7.382e−05 ± 7.311e−08
0.105
0.1
0.095
0.09
0.085
0.08
0.075
0.07
0.065
0.06
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

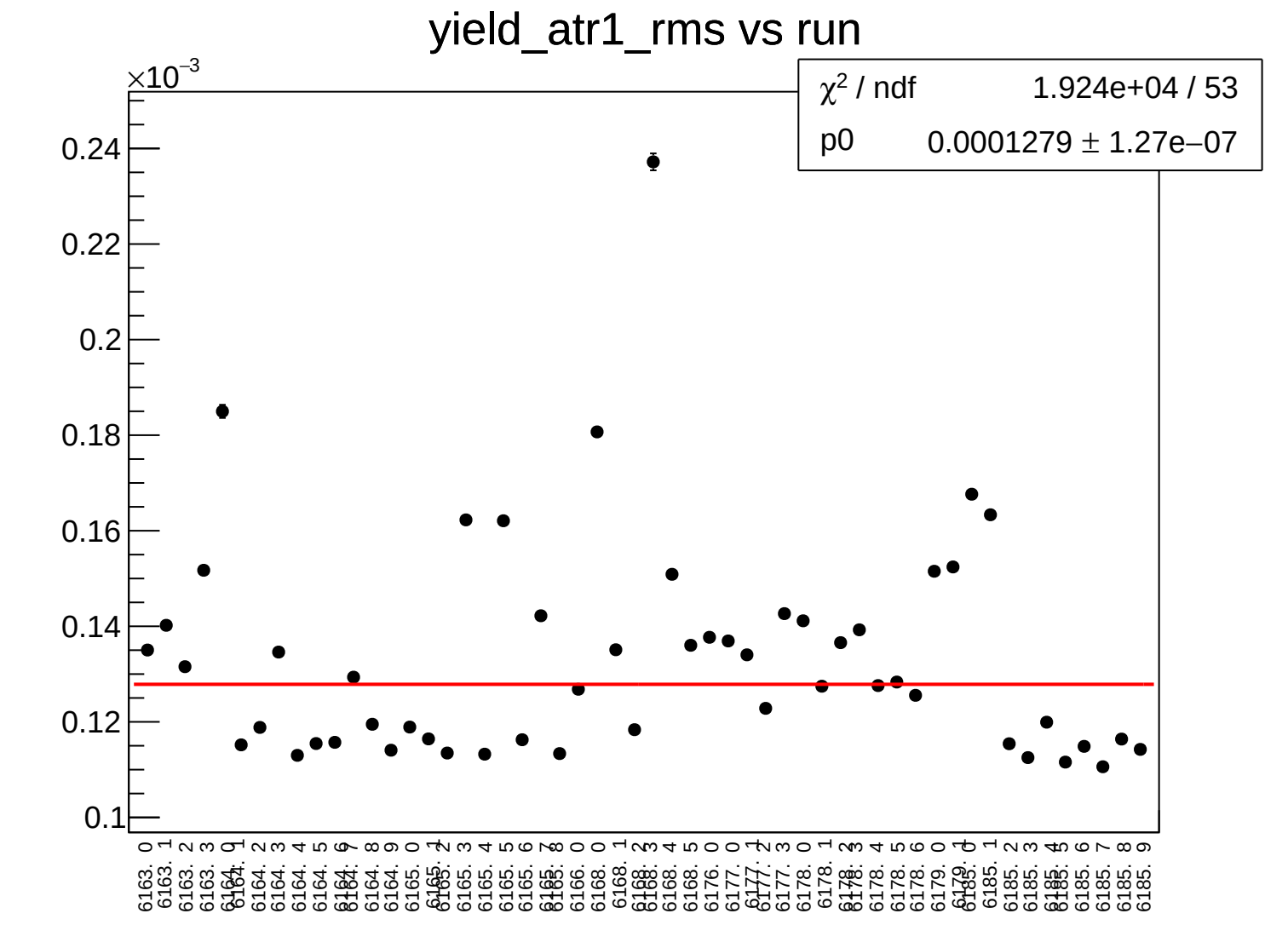

yield_atl2_mean vs run
χ² / ndf 6.074e+06 / 53
p0 0.04717 ± 4.74e−07
0.049
0.0485
0.048
0.0475
0.047
0.0465
0.046
0.0455
0.045
pull
Entries 54
Mean 543.9
Std Dev 0
600
400
200
0
−200
−400

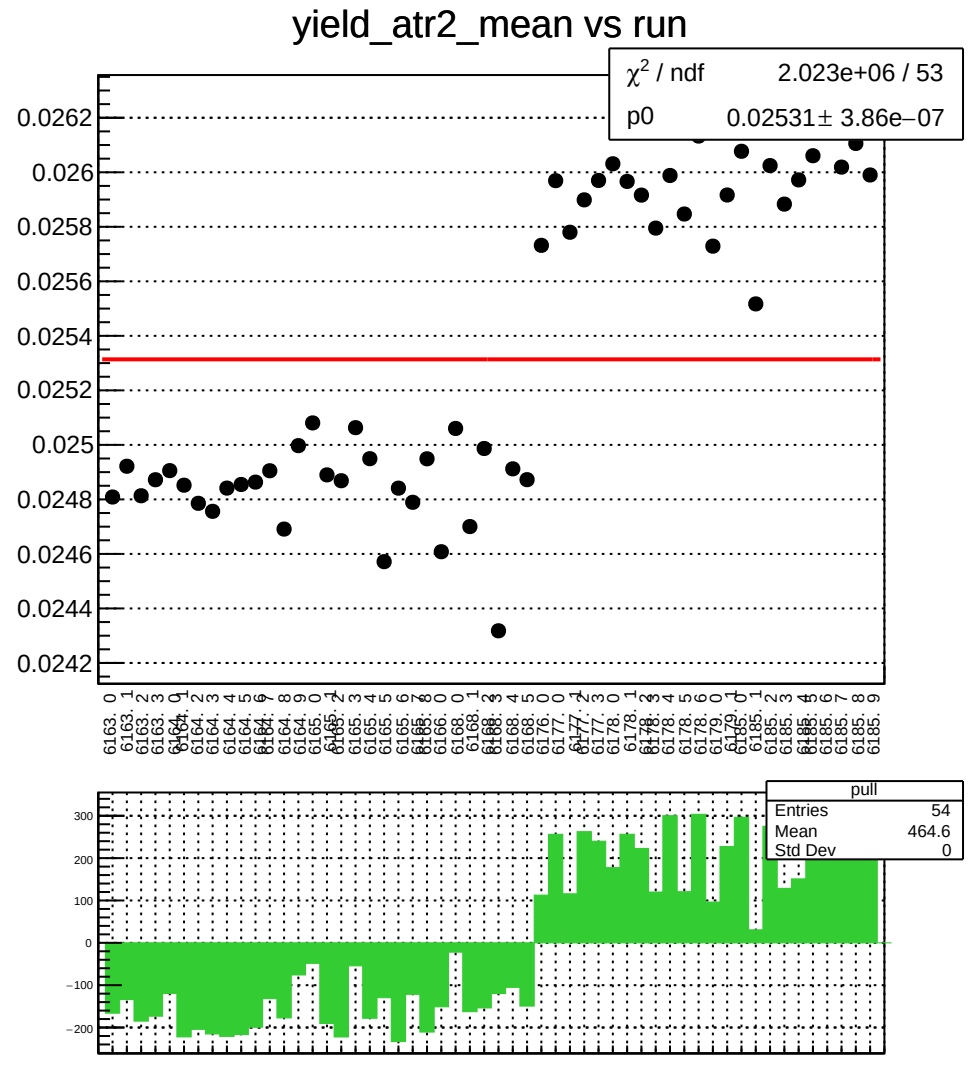

pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

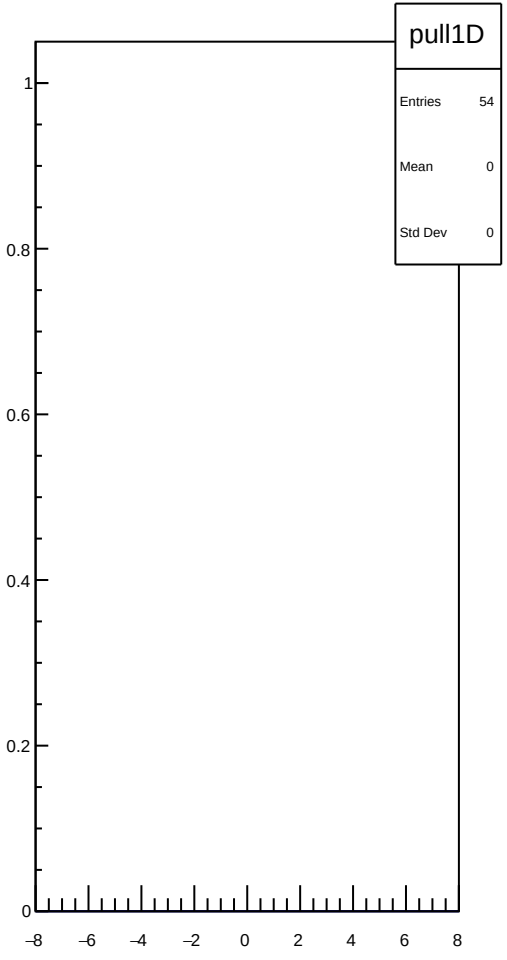

yield_atl2_rms vs run
χ² / ndf 9.956e+04 / 53
p0 0.0003238 ± 3.352e−07
0.0014
0.0012
0.001
0.0008
0.0006
0.0004
0.0002
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

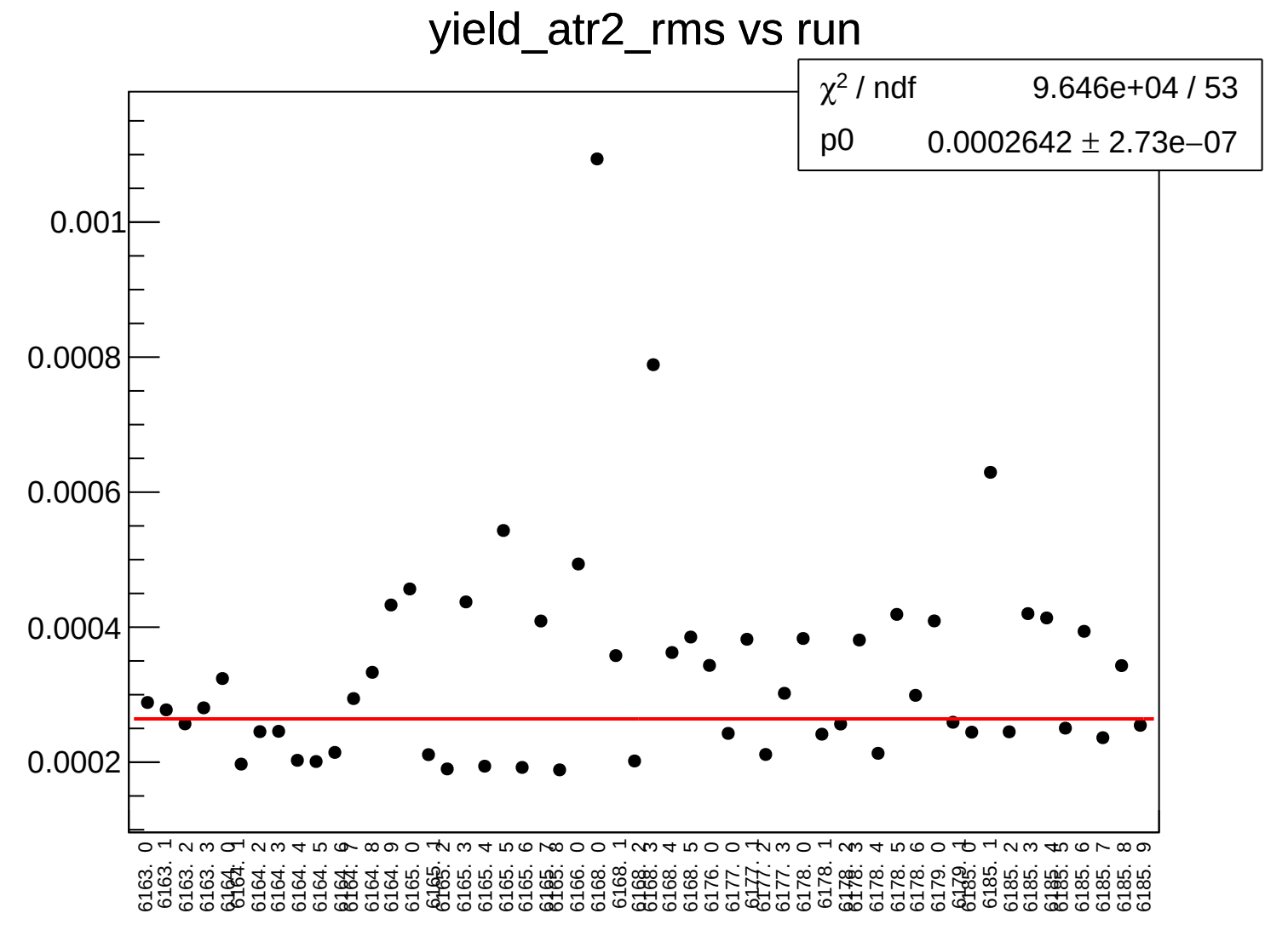

yield_atr1_mean vs run
χ² / ndf 5.877e+06 / 53
p0 0.03835 ± 1.796e−07
0.039
0.0388
0.0386
0.0384
0.0382
0.038
0.0378
pull
Entries 54
Mean −5720
Std Dev 0
400
200
0
−200
−400
−600

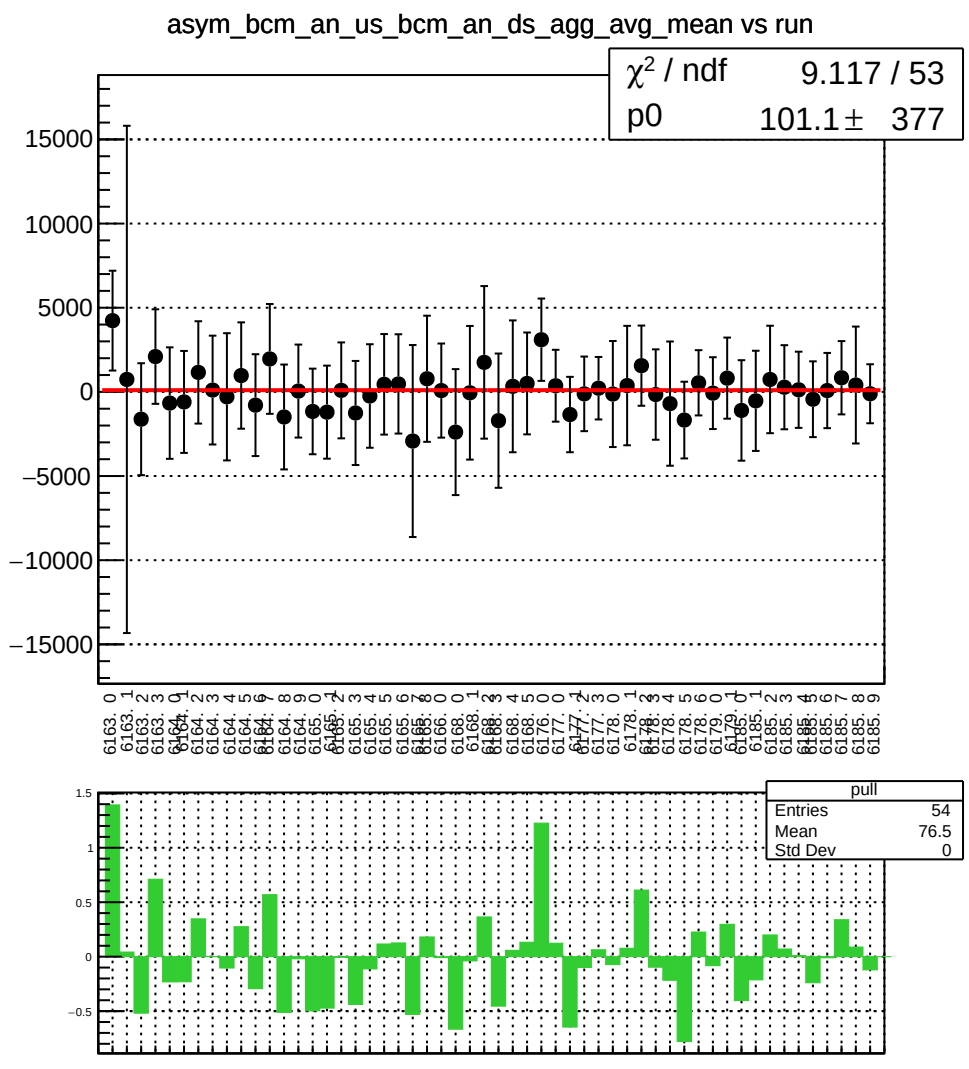

pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

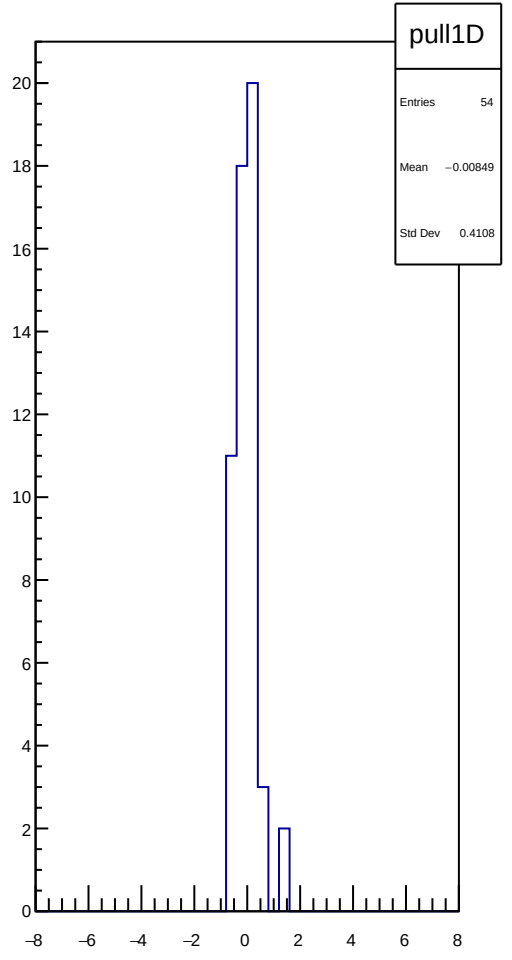

yield_atr1_rms vs run
×10⁻³
χ² / ndf 1.924e+04 / 53
p0 0.0001279 ± 1.27e−07
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

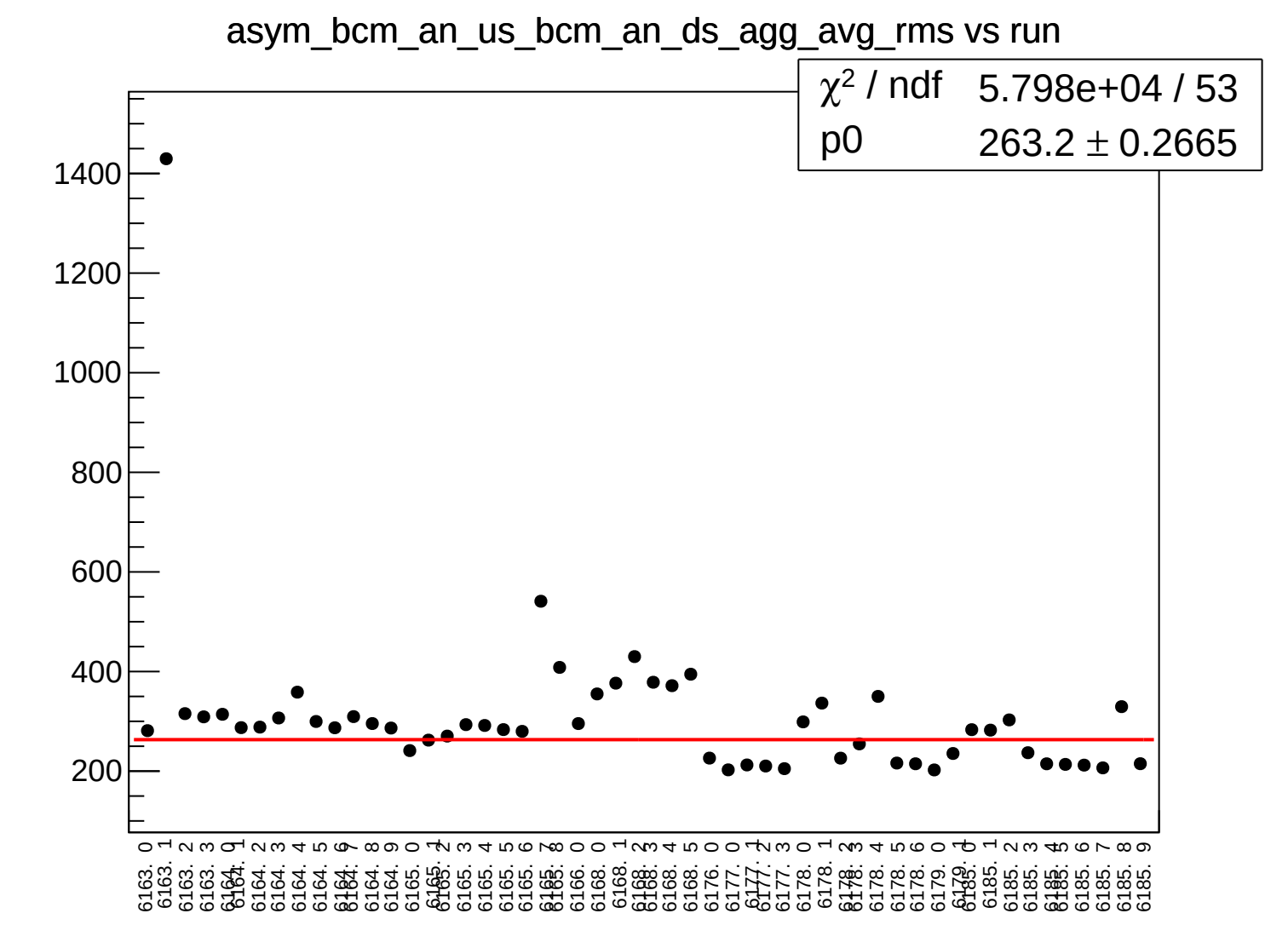

yield_atr2_mean vs run
χ² / ndf 2.023e+06 / 53
p0 0.02531 ± 3.86e−07
0.0262
0.026
0.0258
0.0256
0.0254
0.0252
0.025
0.0248
0.0246
0.0244
0.0242
pull
Entries 54
Mean 464.6
Std Dev 0
300
200
100
0
−100
−200

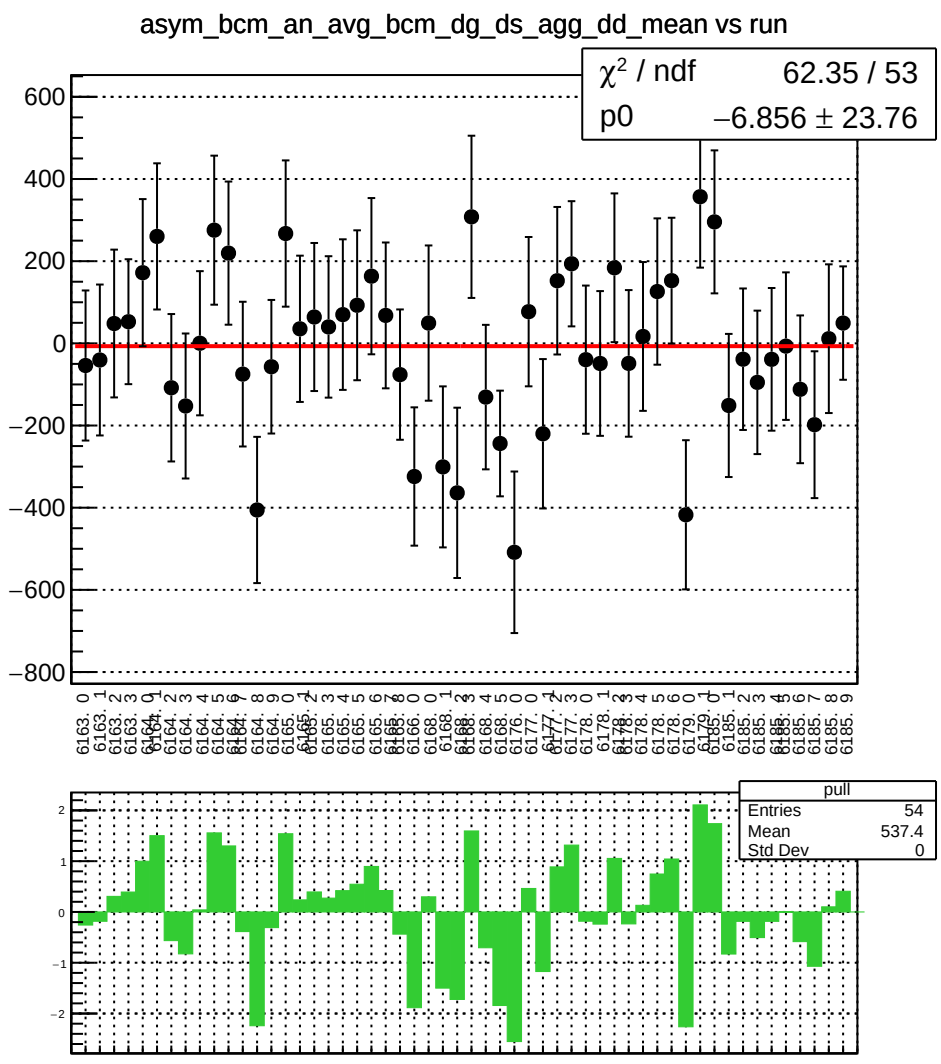

pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

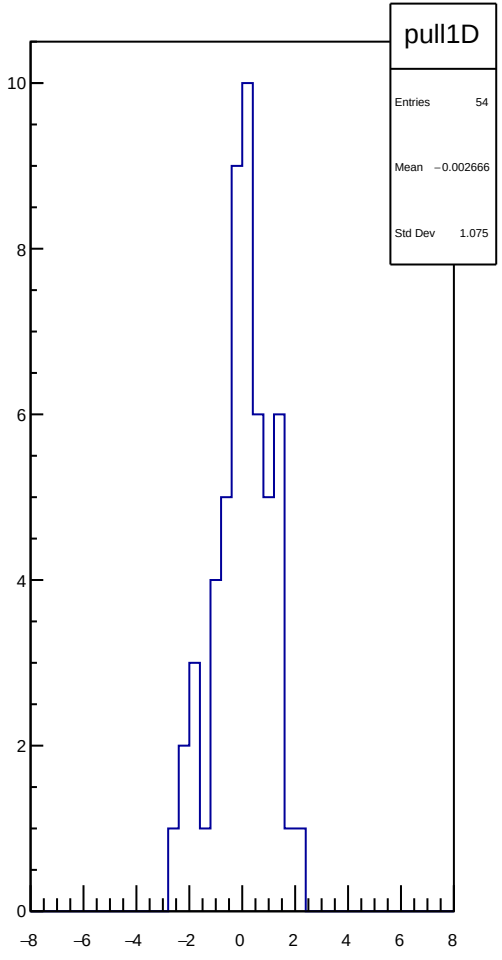

yield_atr2_rms vs run
χ² / ndf 9.646e+04 / 53
p0 0.0002642 ± 2.73e−07
0.001
0.0008
0.0006
0.0004
0.0002
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

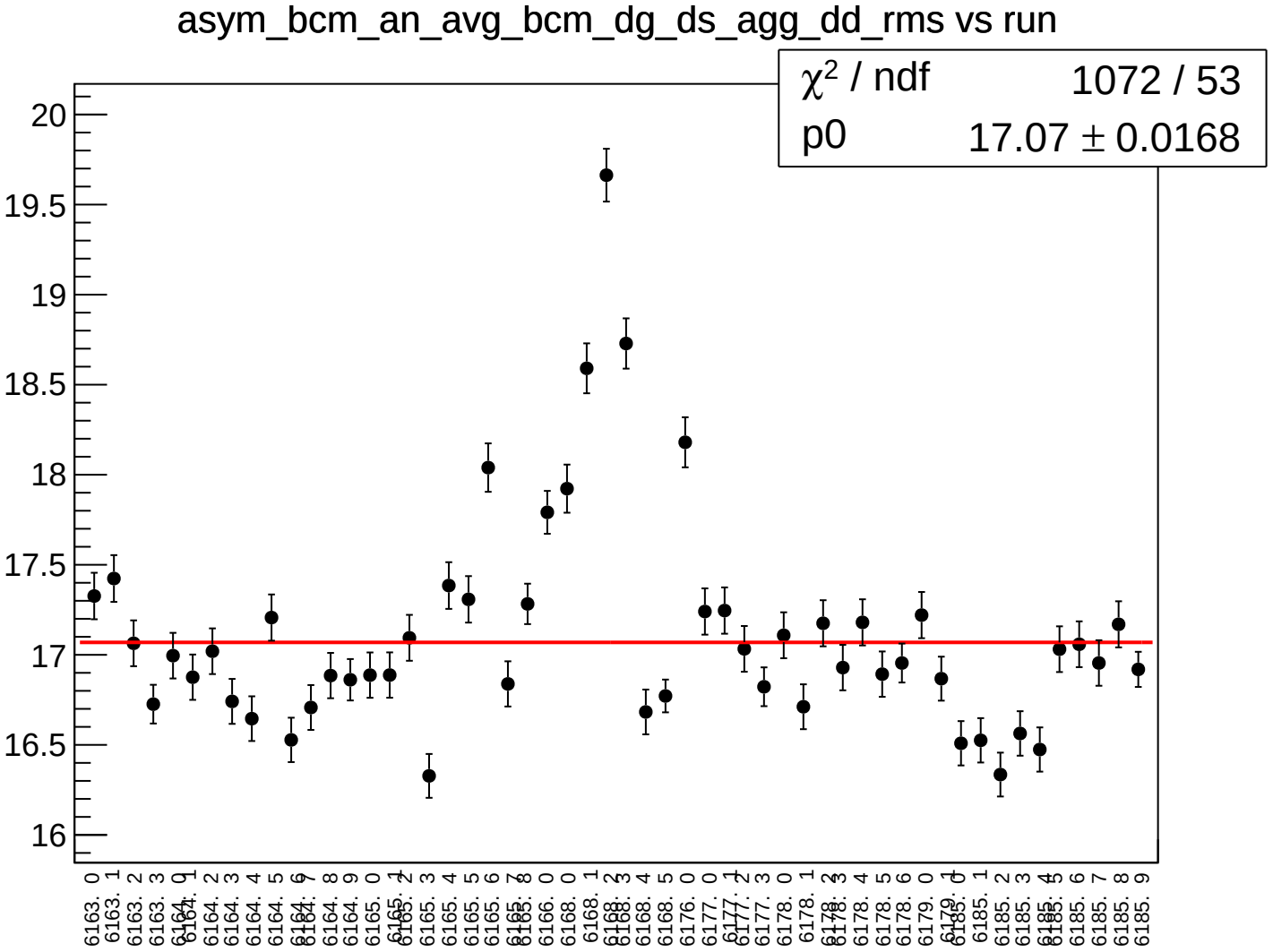

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 9.117 / 53
p0 101.1 ± 377
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 54
Mean 76.5
Std Dev 0
1.5
1
0.5
0
−0.5

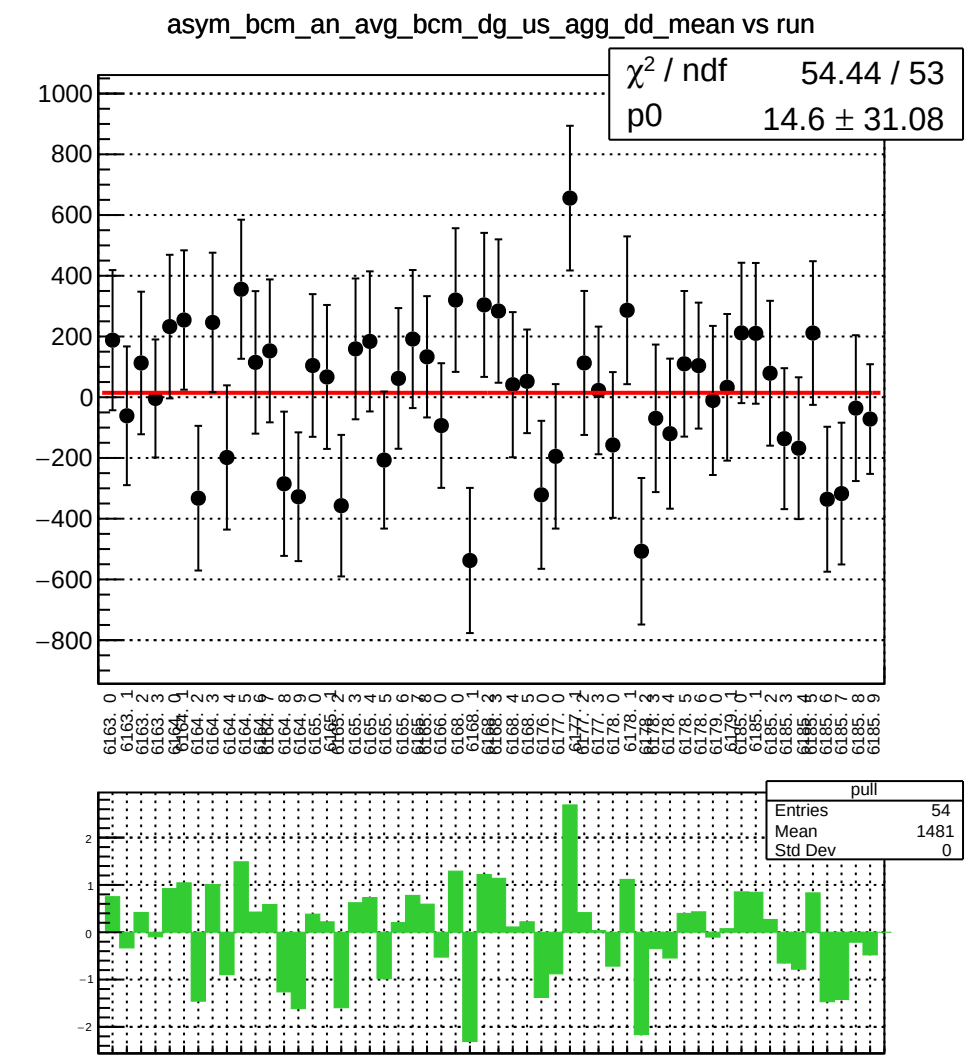

pull1D
Entries 54
Mean −0.00849
Std Dev 0.4108
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

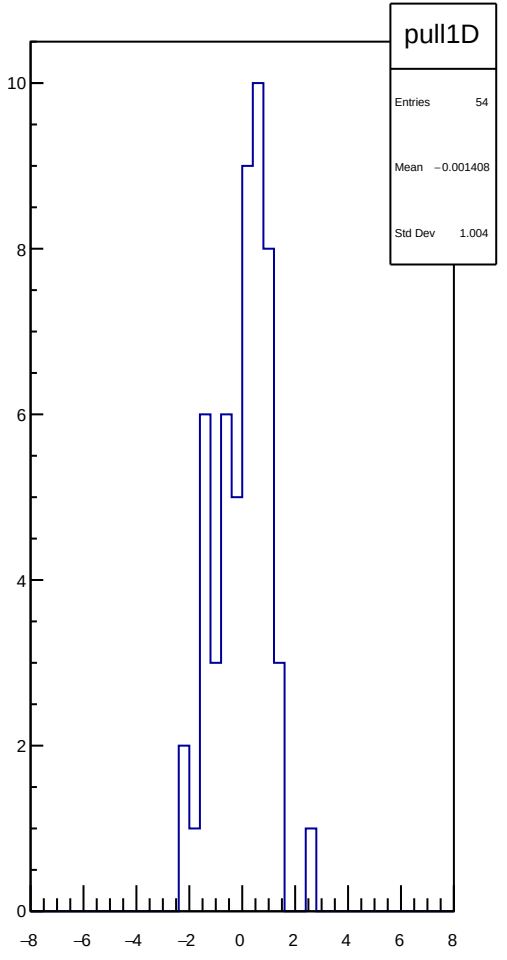

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 5.798e+04 / 53
p0 263.2 ± 0.2665
1400
1200
1000
800
600
400
200
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

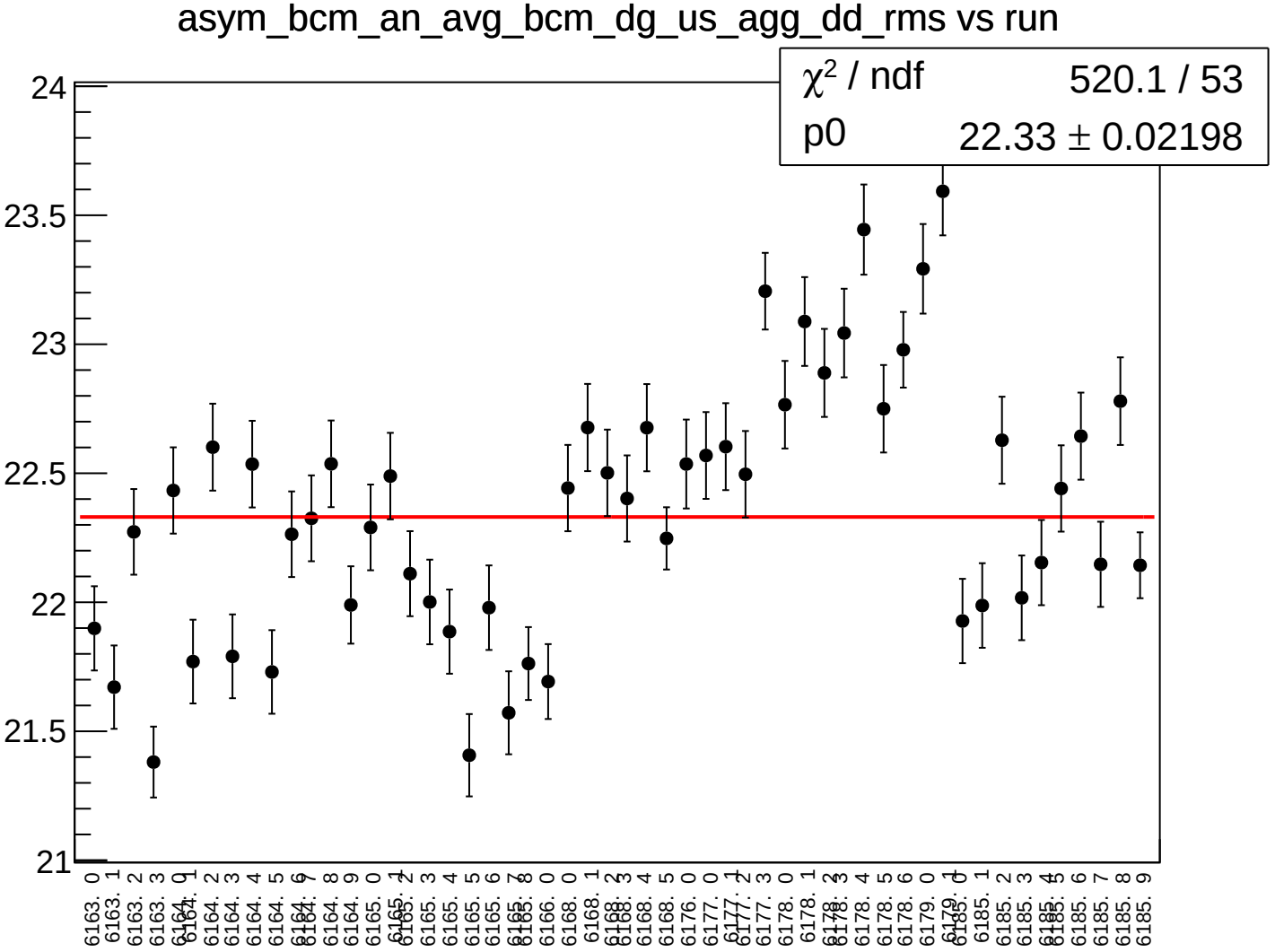

asym_bcm_an_avg_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 62.35 / 53
p0 −6.856 ± 23.76
pull
Entries 54
Mean 537.4
Std Dev 0

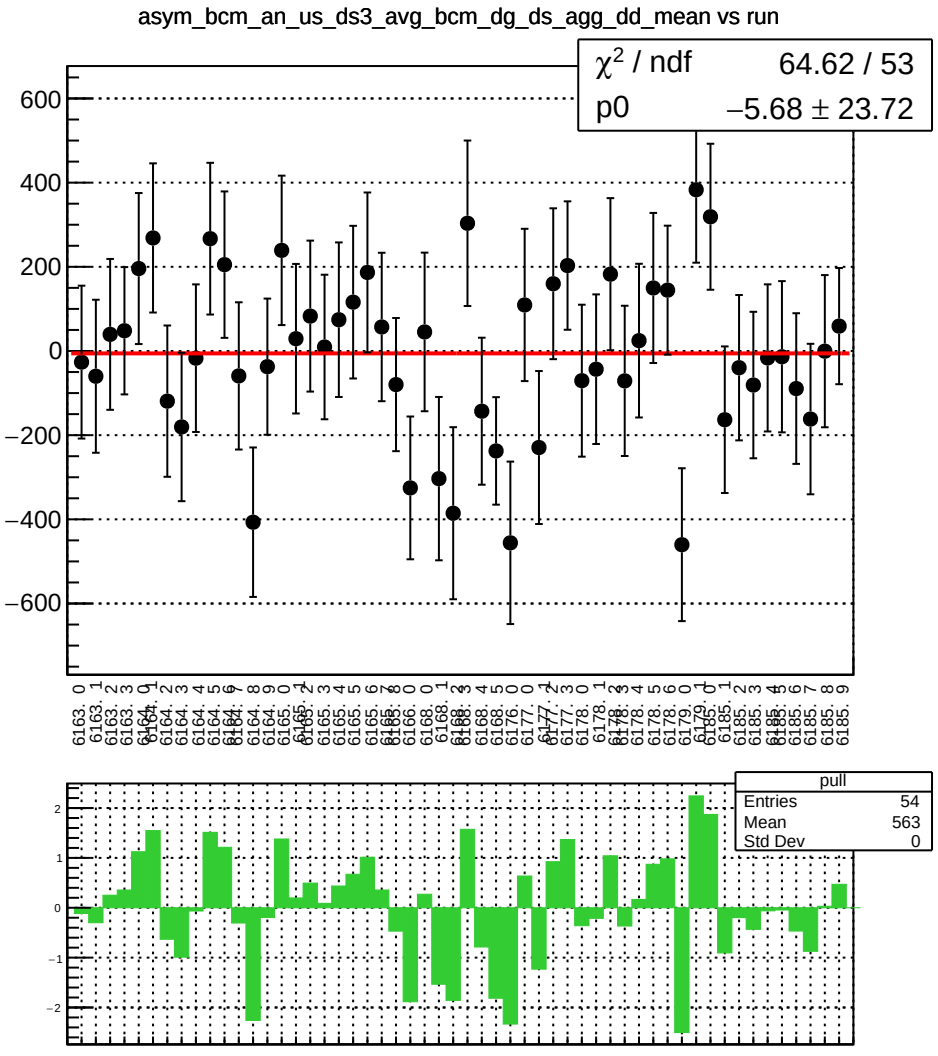

pull1D
Entries 54
Mean −0.002666
Std Dev 1.075

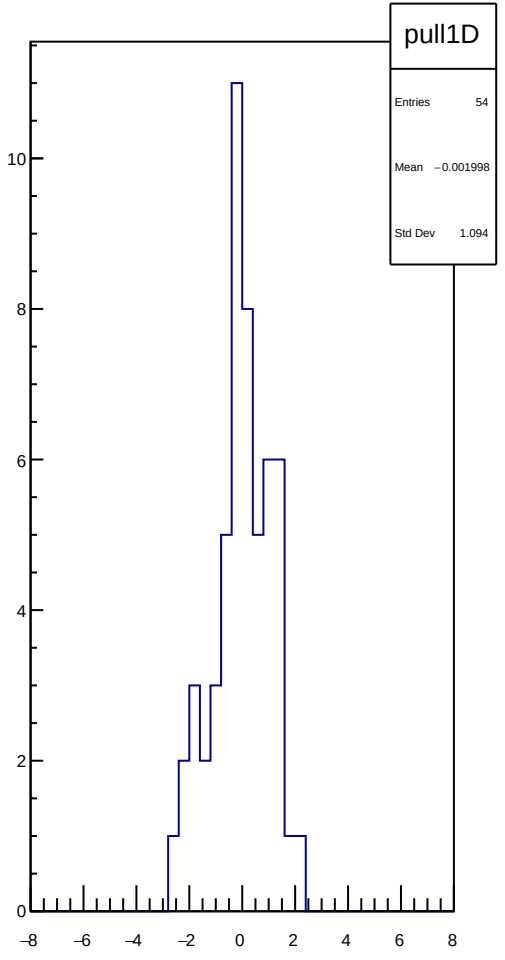

asym_bcm_an_avg_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 1072 / 53
p0 17.07 ± 0.0168
20
19.5
19
18.5
18
17.5
17
16.5
16
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

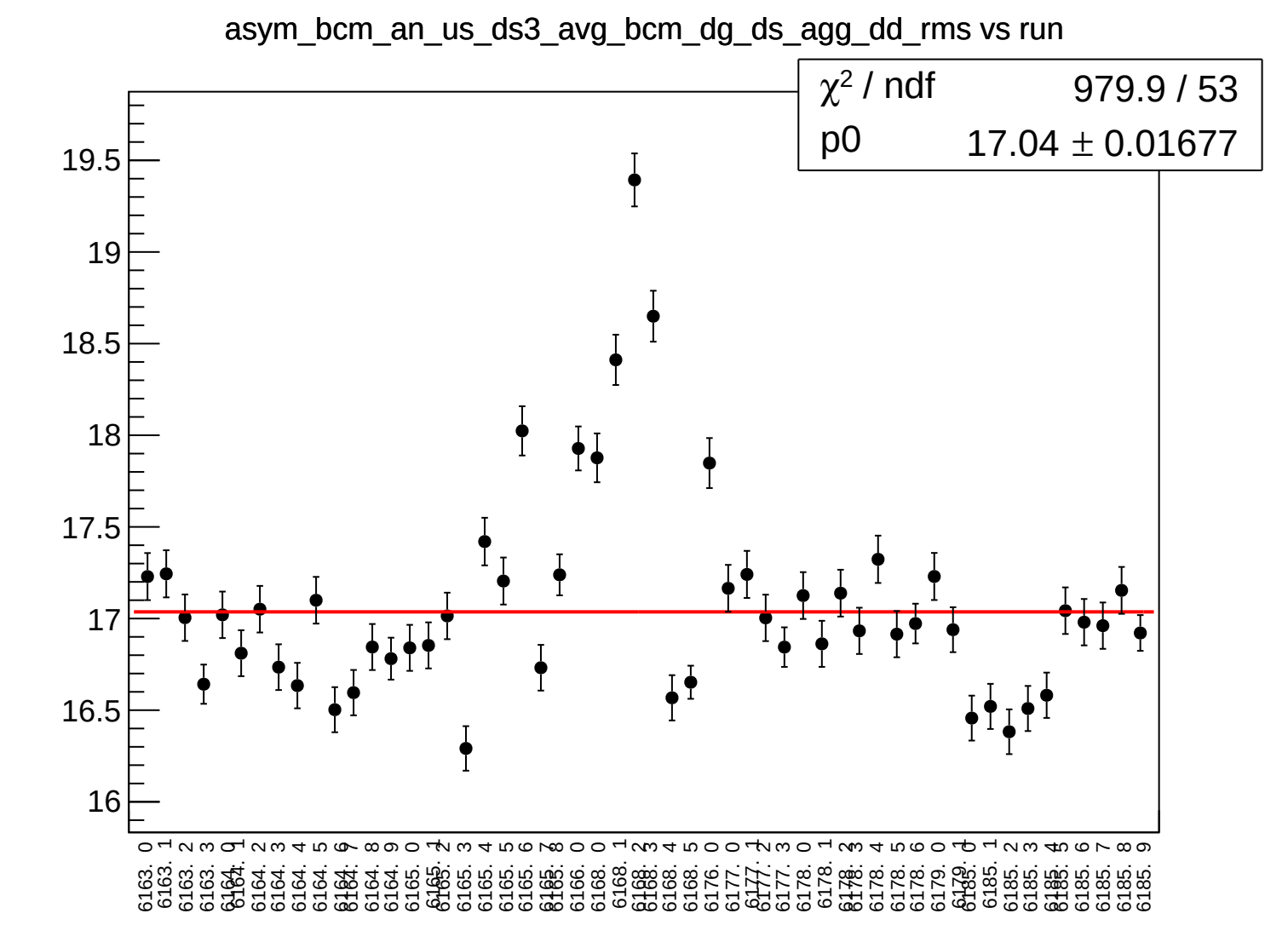

asym_bcm_an_avg_bcm_dg_us_agg_dd_mean vs run
χ² / ndf 54.44 / 53
p0 14.6 ± 31.08
pull
Entries 54
Mean 1481
Std Dev 0

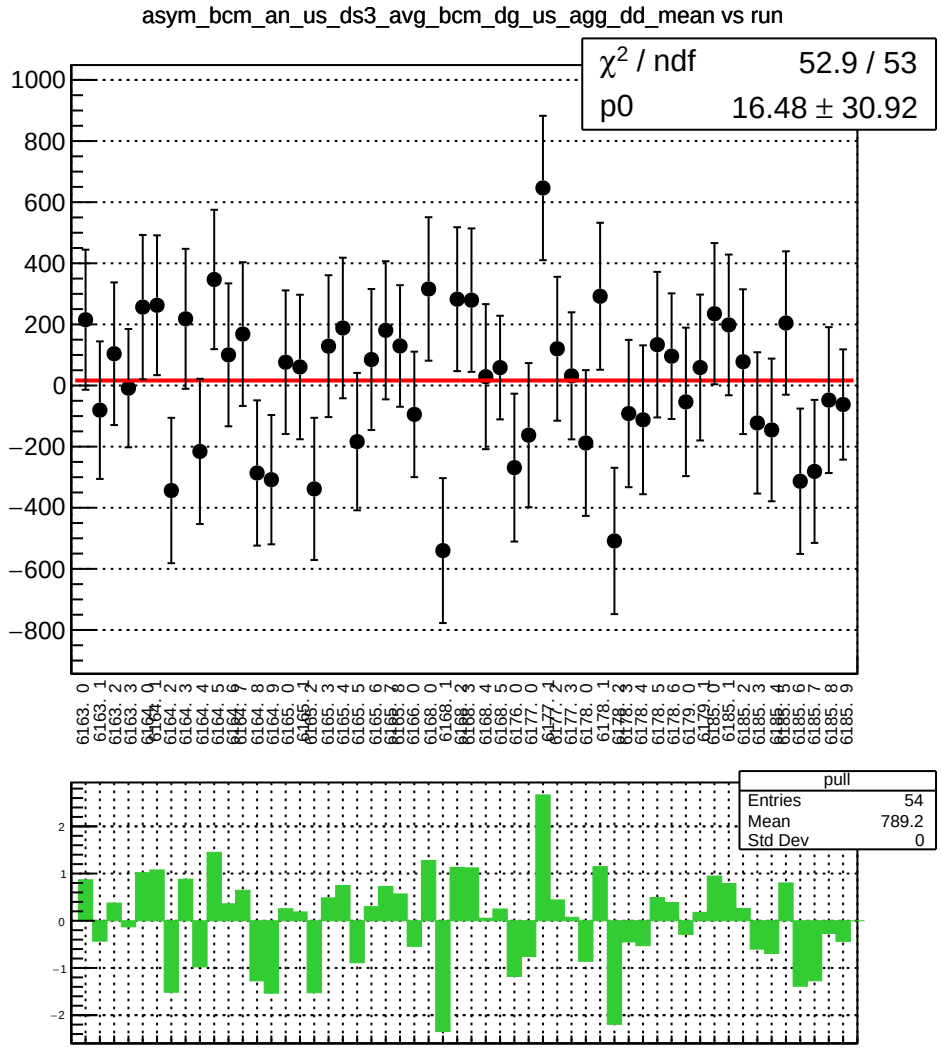

pull1D
Entries 54
Mean −0.001408
Std Dev 1.004

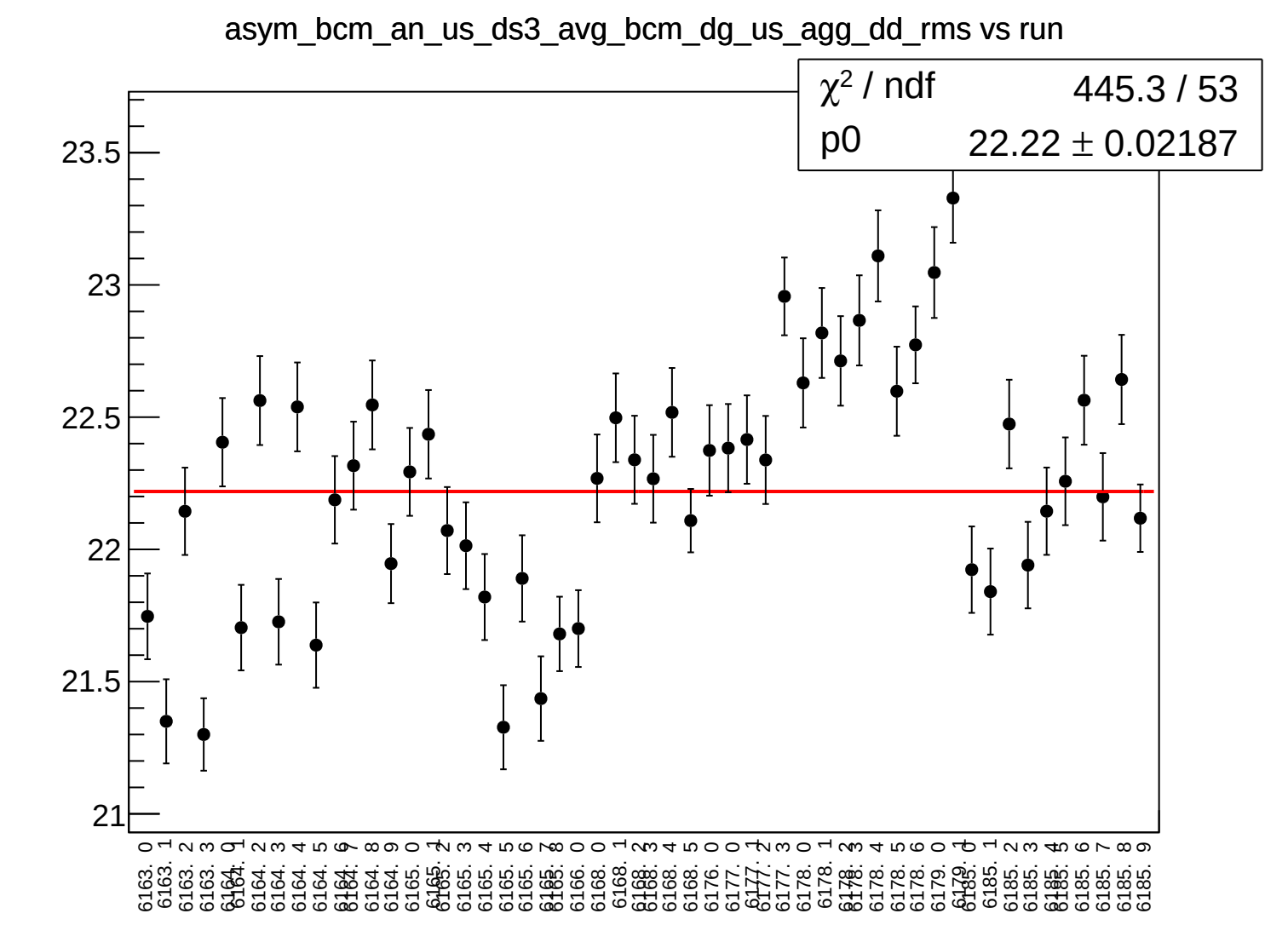

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs run
χ² / ndf 520.1 / 53
p0 22.33 ± 0.02198
24
23.5
23
22.5
22
21.5
21

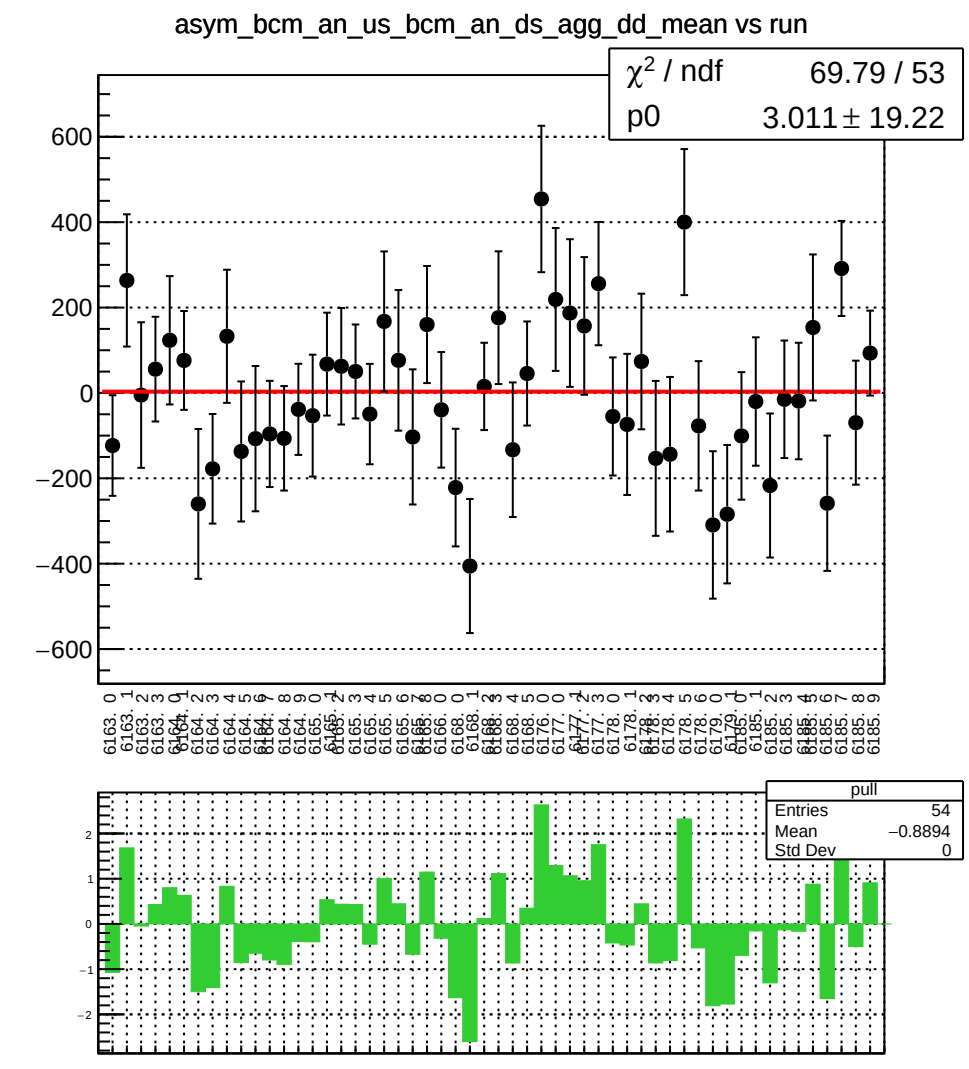

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 64.62 / 53
p0 −5.68 ± 23.72
pull
Entries 54
Mean 563
Std Dev 0

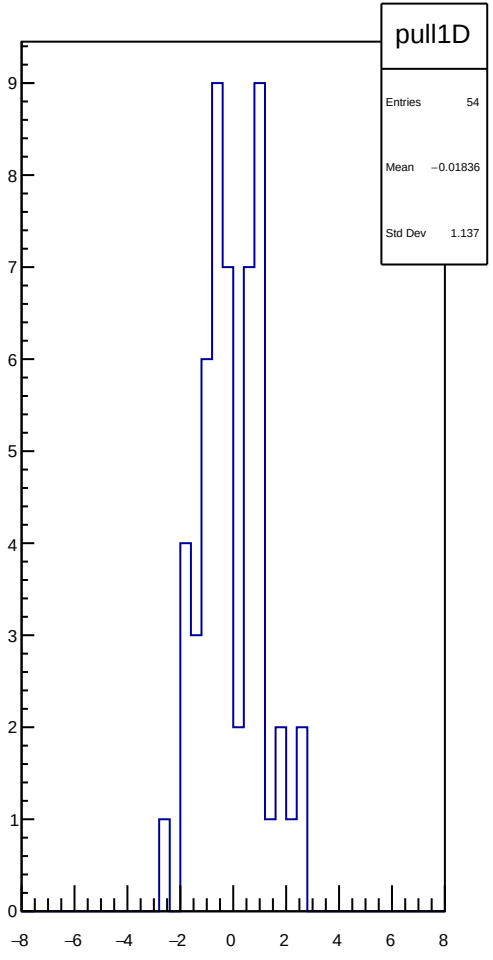

pull1D
Entries 54
Mean −0.001998
Std Dev 1.094

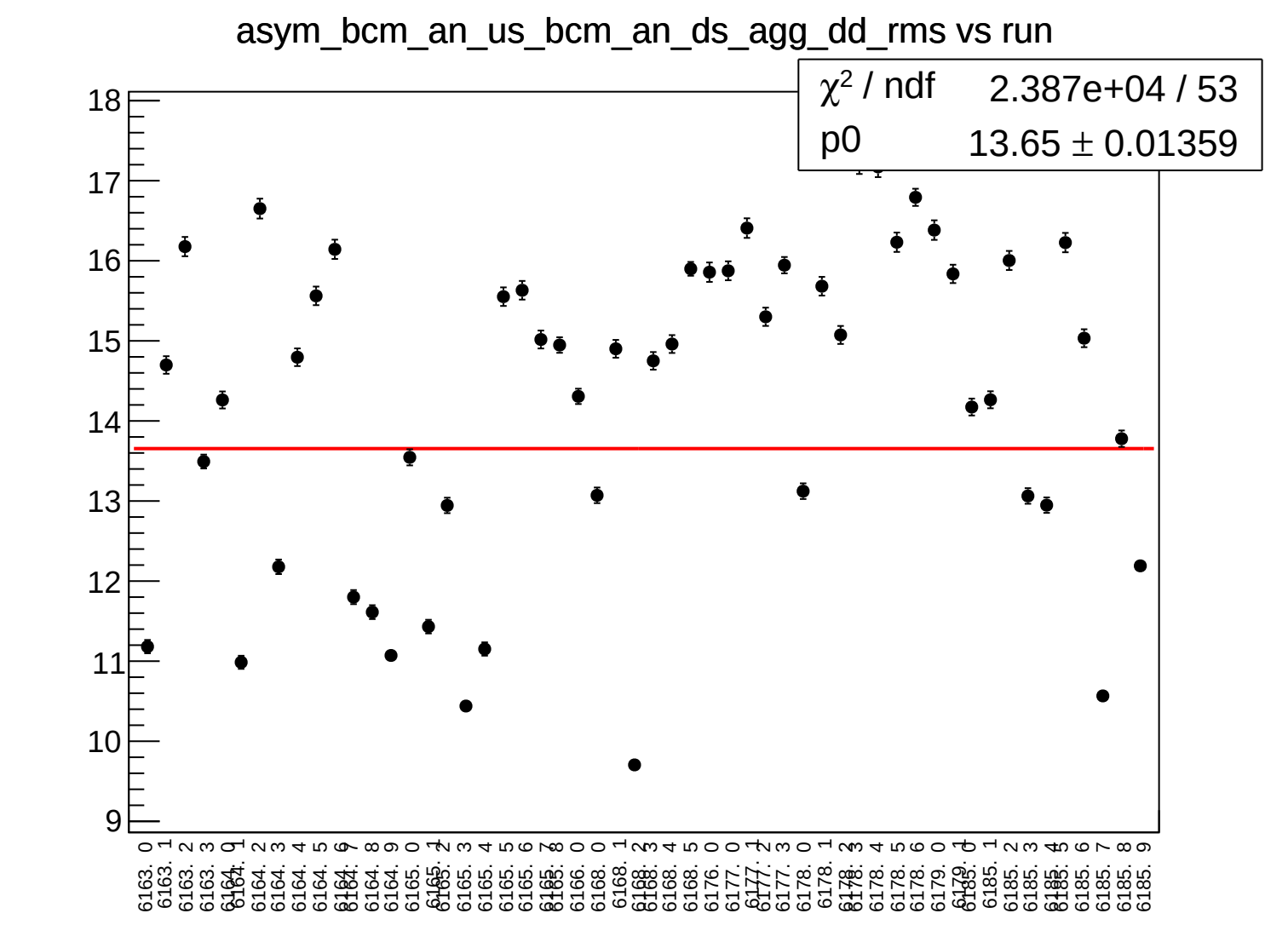

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 979.9 / 53
p0 17.04 ± 0.01677
19.5
19
18.5
18
17.5
17
16.5
16

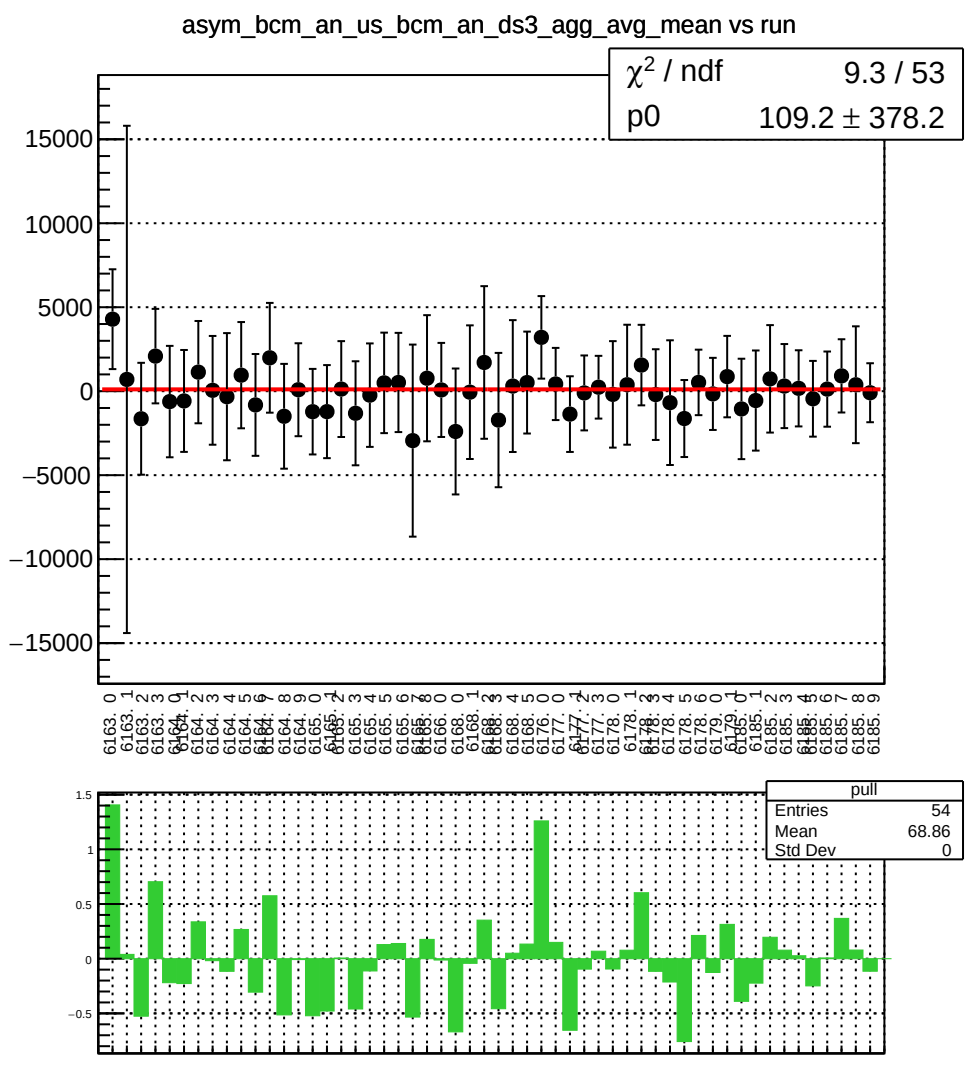

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs run
χ² / ndf 52.9 / 53
p0 16.48 ± 30.92
pull
Entries 54
Mean 789.2
Std Dev 0
pull1D
Entries 54
Mean −0.002393
Std Dev 0.9897

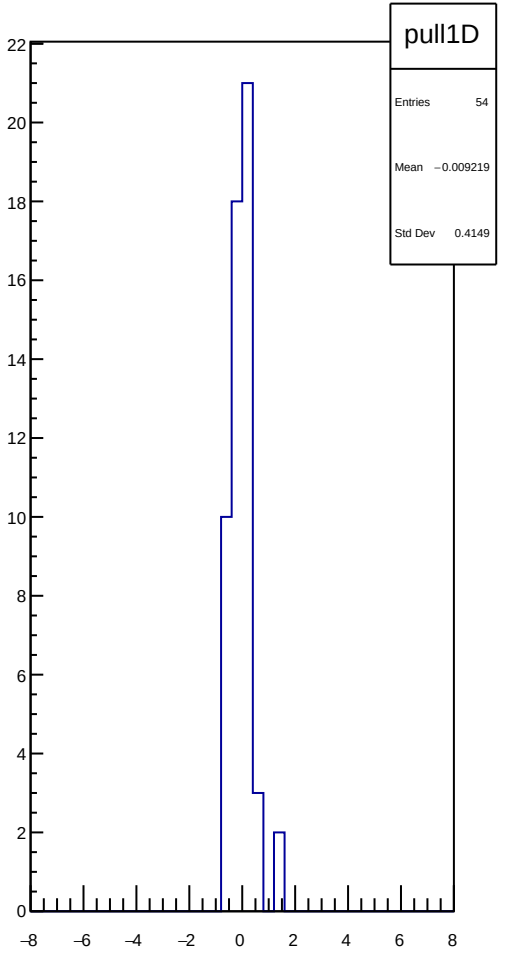

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_rms vs run
χ² / ndf 445.3 / 53
p0 22.22 ± 0.02187
23.5
23
22.5
22
21.5
21

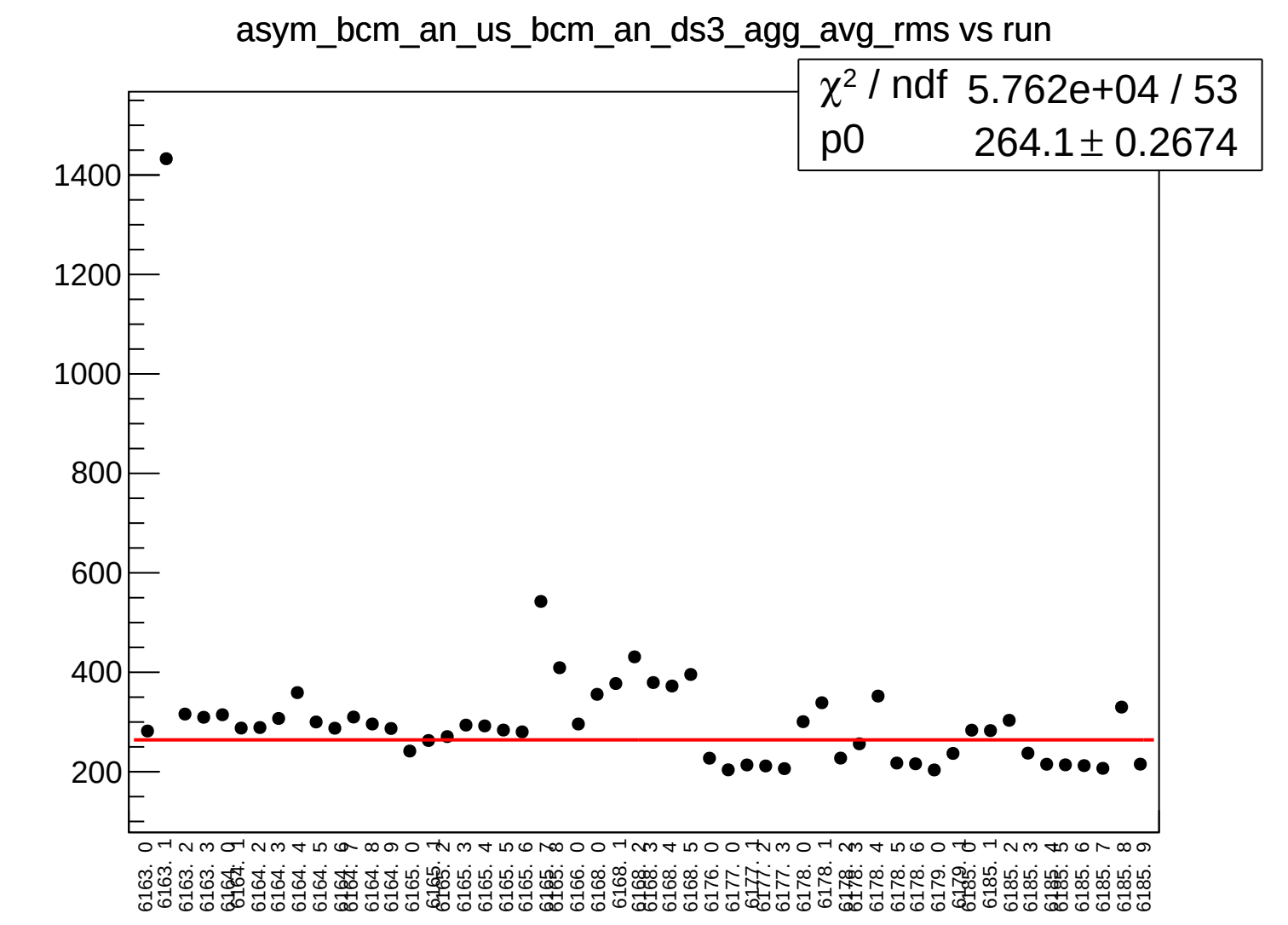

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 69.79 / 53
p0 3.011 ± 19.22
pull
Entries 54
Mean −0.8894
Std Dev 0

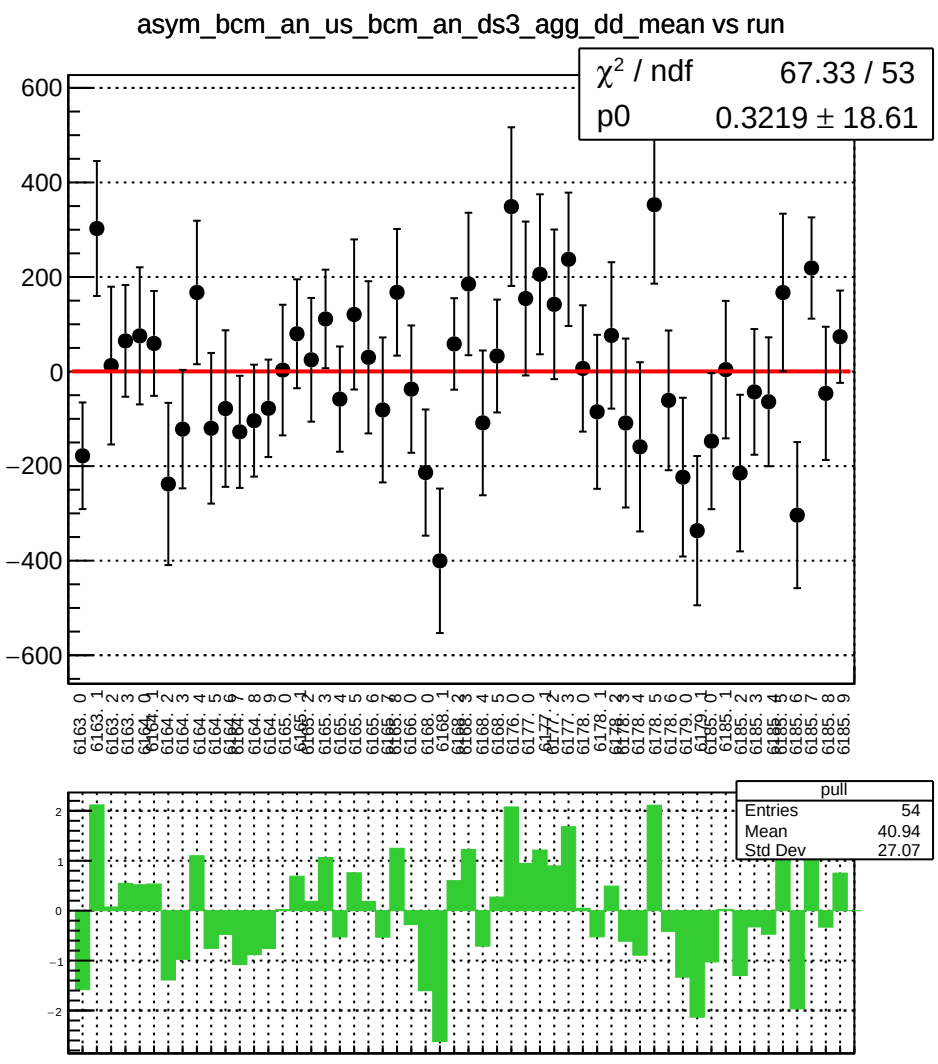

pull1D
Entries 54
Mean −0.01836
Std Dev 1.137

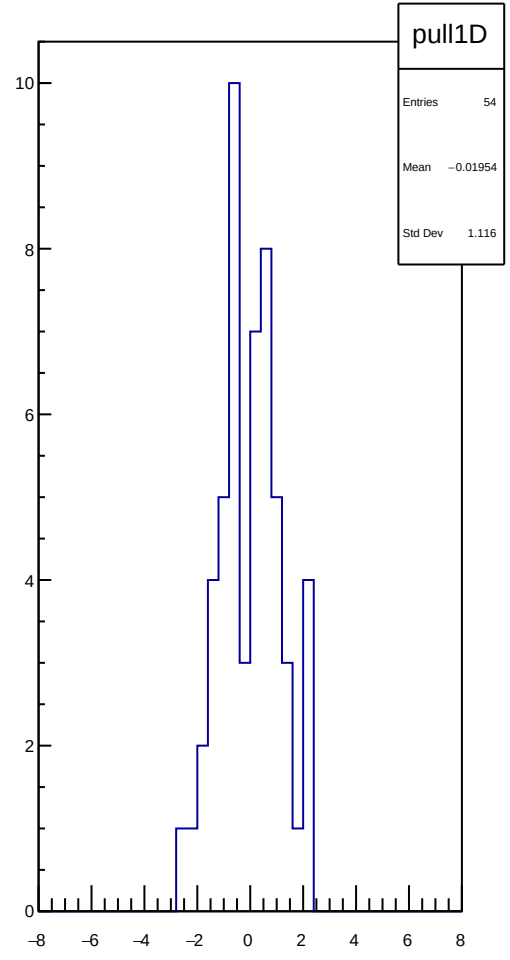

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 2.387e+04 / 53
p0 13.65 ± 0.01359
18
17
16
15
14
13
12
11
10
9
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

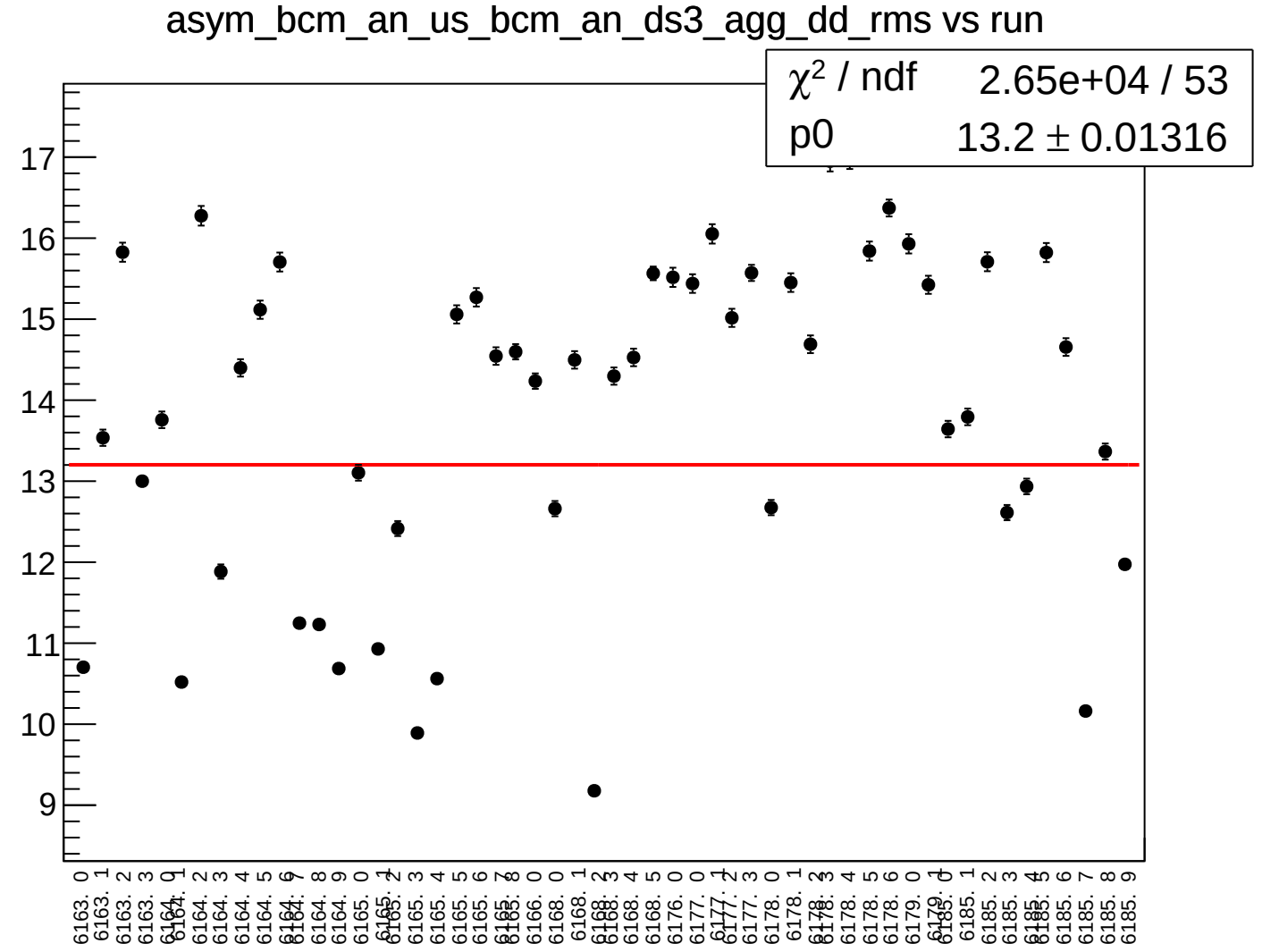

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs run
χ² / ndf 9.3 / 53
p0 109.2 ± 378.2
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 54
Mean 68.86
Std Dev 0
1.5
1
0.5
0
−0.5

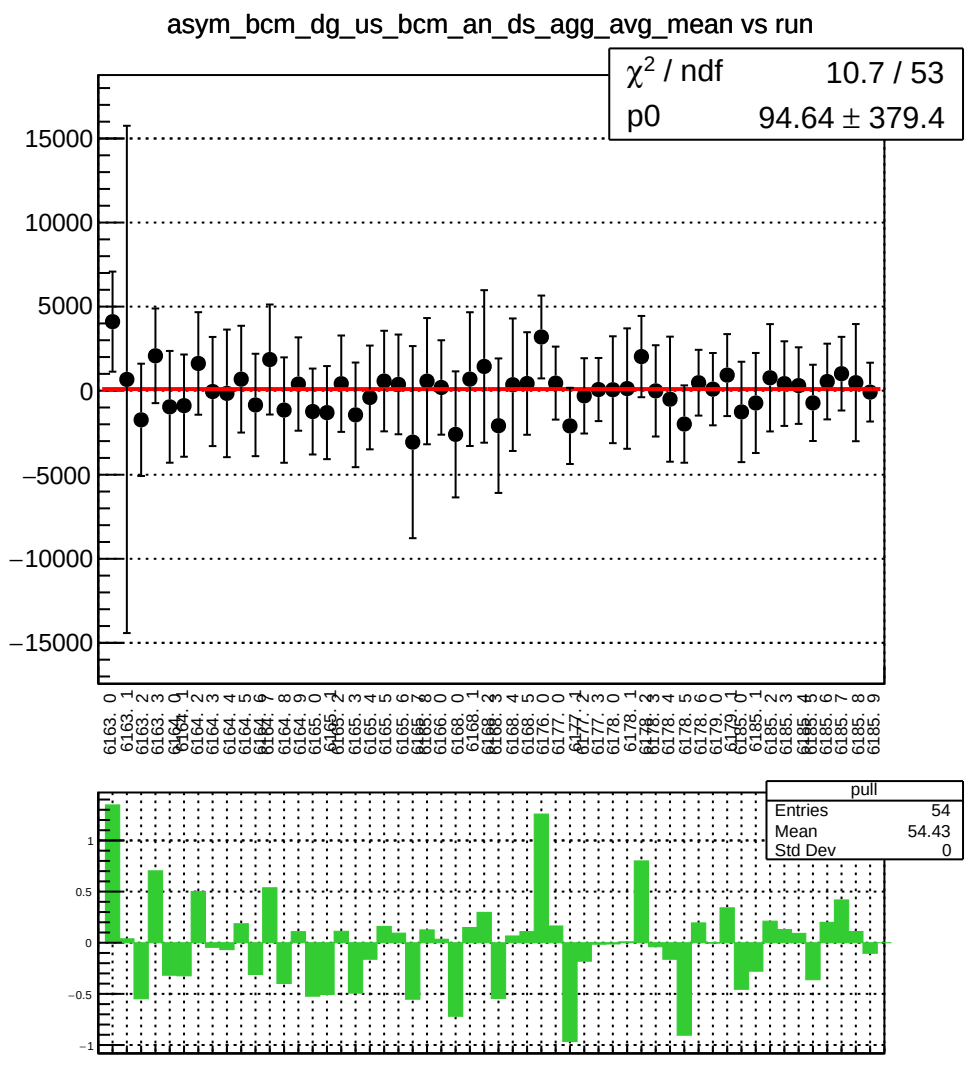

pull1D
Entries 54
Mean −0.009219
Std Dev 0.4149
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

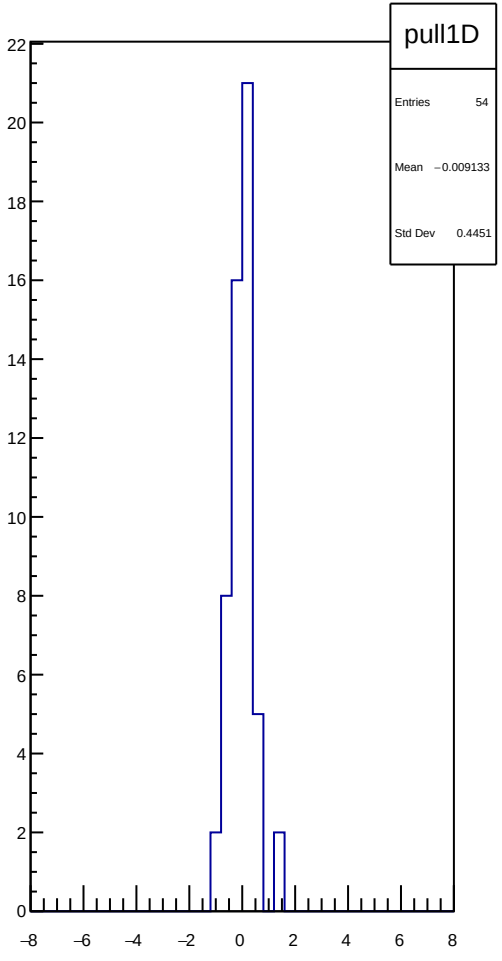

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs run
χ² / ndf 5.762e+04 / 53
p0 264.1 ± 0.2674
1400
1200
1000
800
600
400
200
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

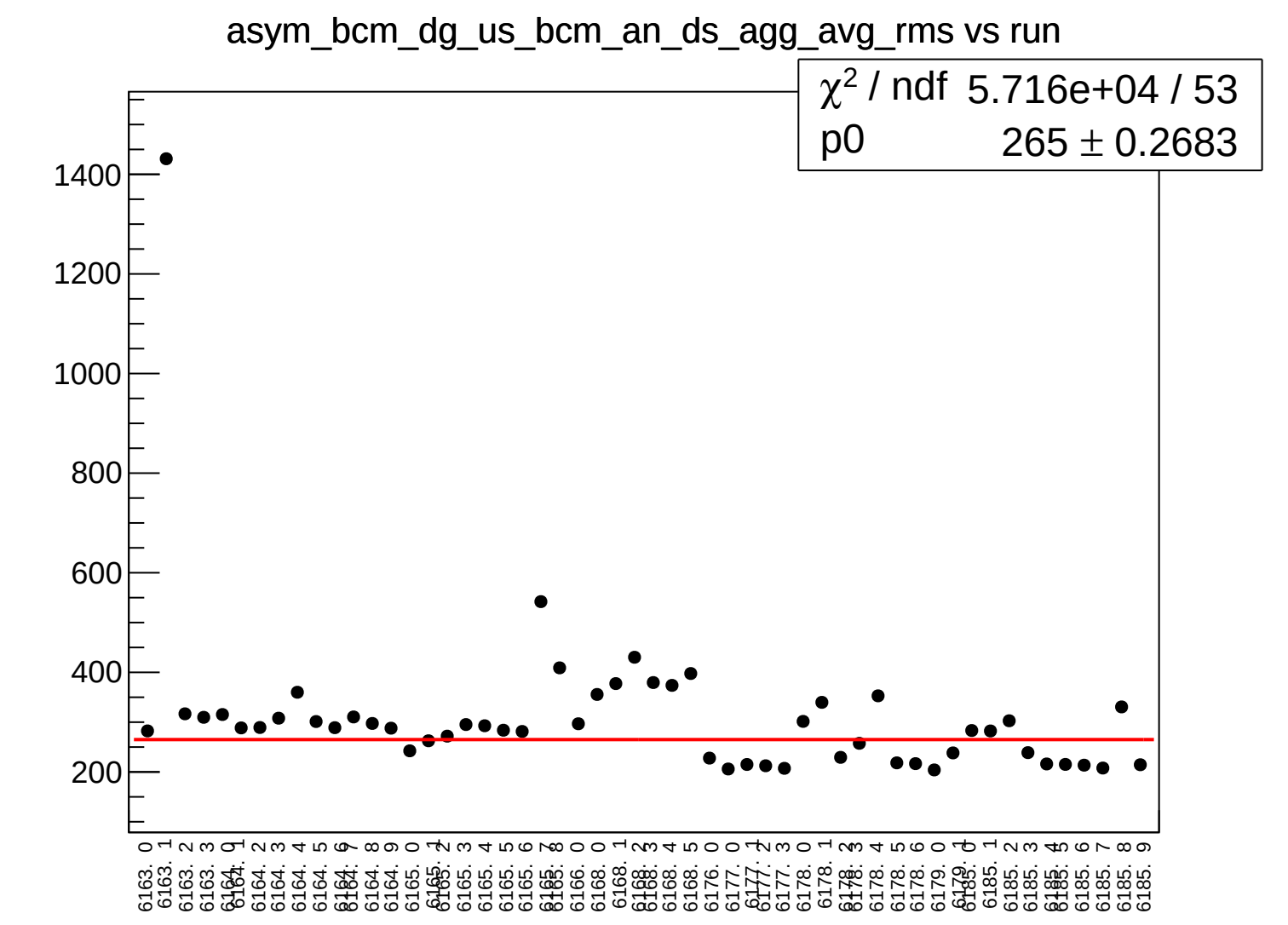

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs run
χ² / ndf 67.33 / 53
p0 0.3219 ± 18.61
pull
Entries 54
Mean 40.94
Std Dev 27.07

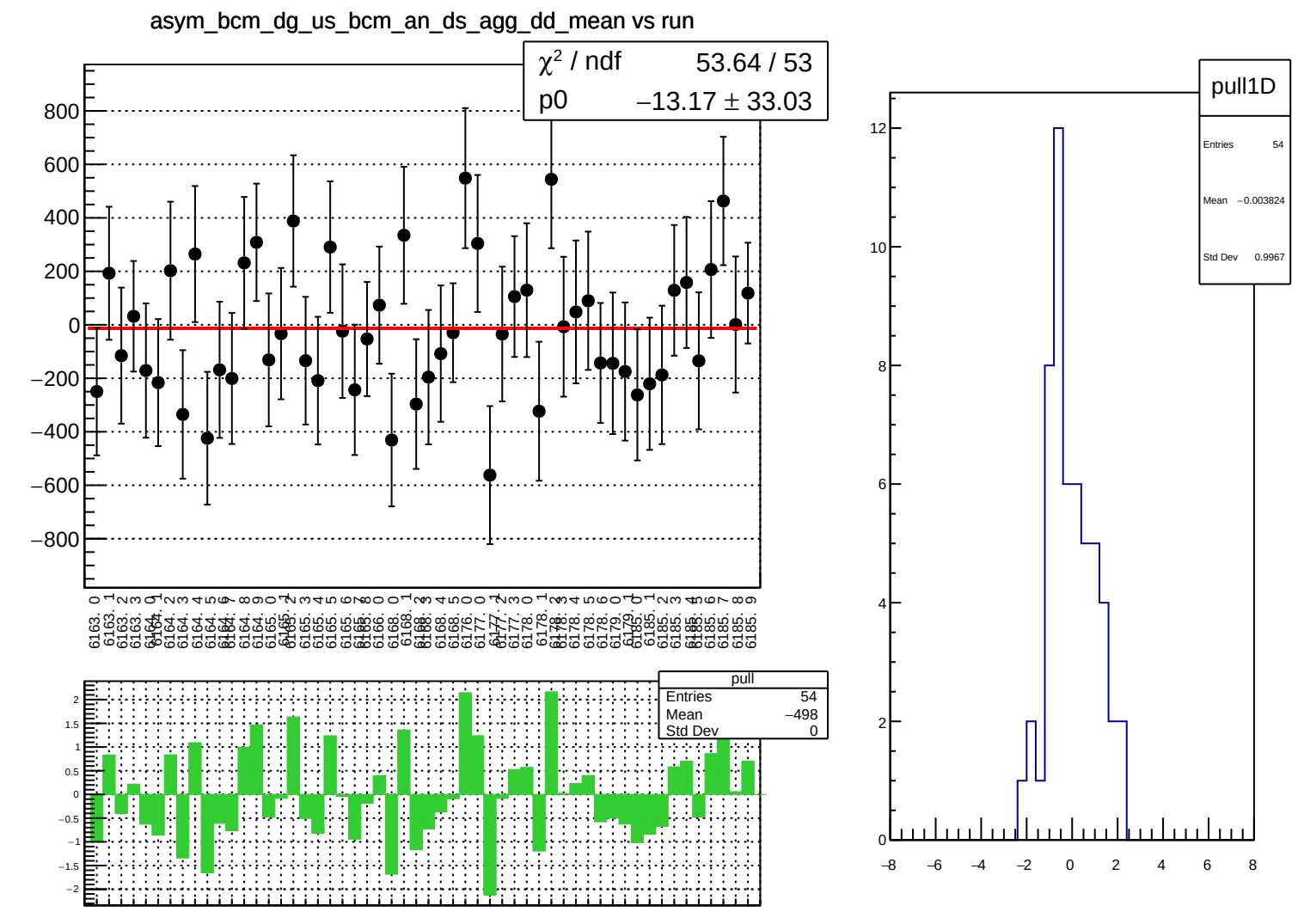

pull1D
Entries 54
Mean −0.01954
Std Dev 1.116

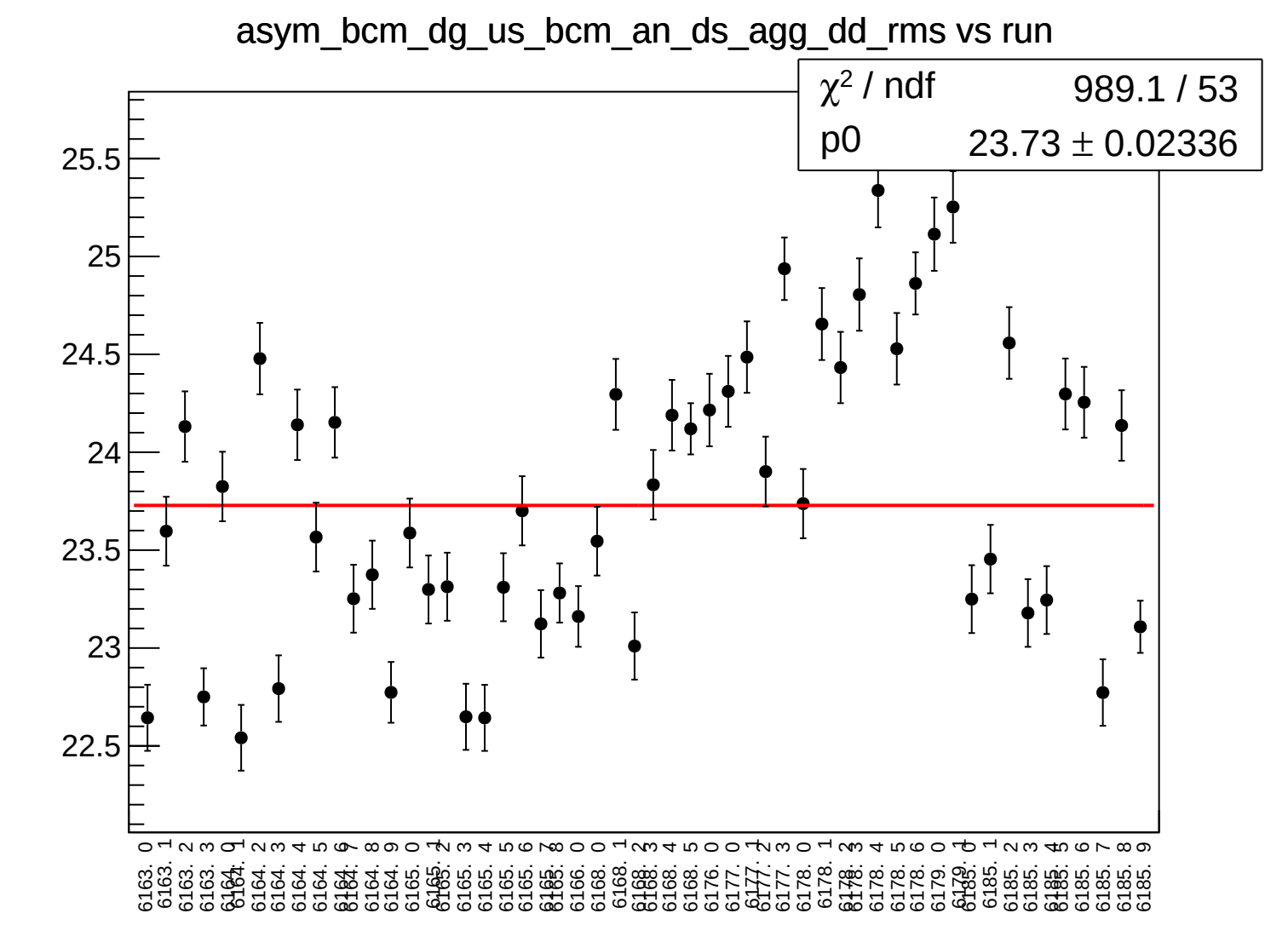

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs run
χ² / ndf 2.65e+04 / 53
p0 13.2 ± 0.01316
17
16
15
14
13
12
11
10
9
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

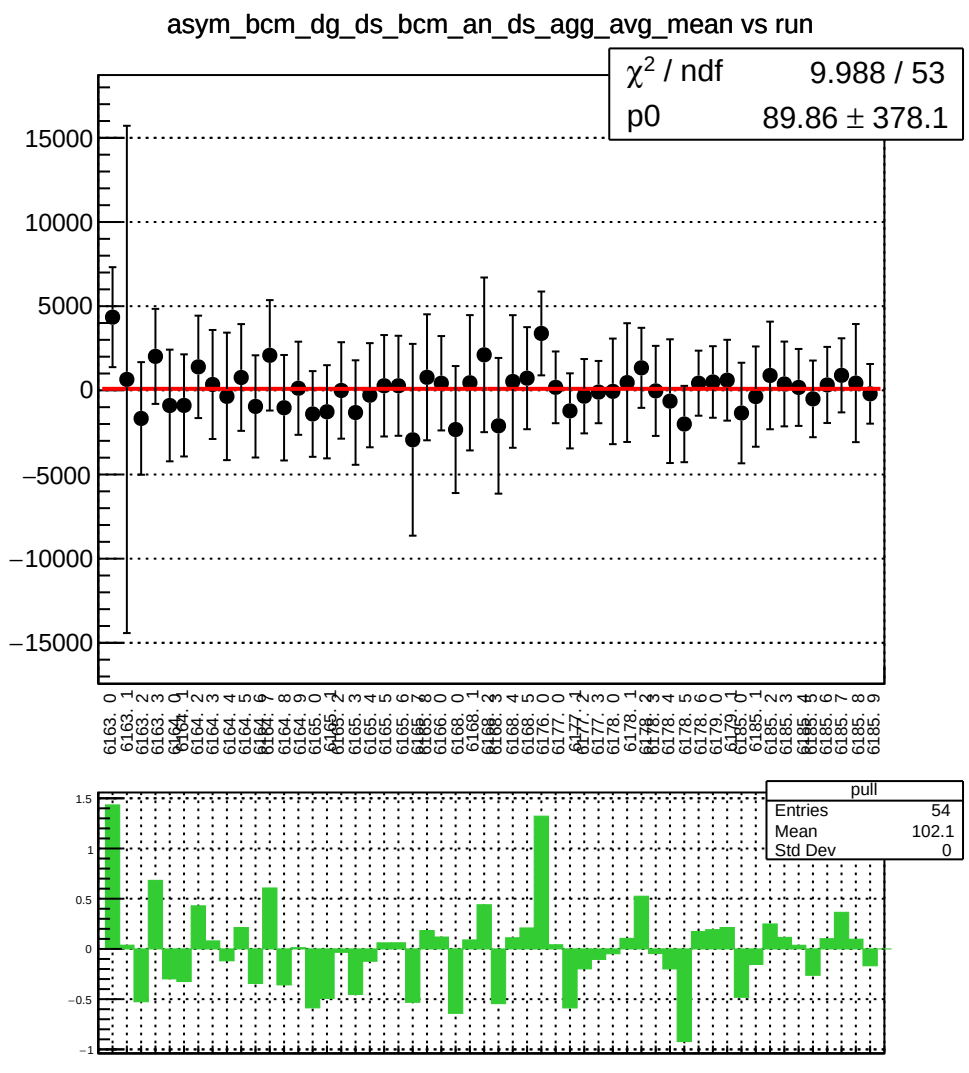

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 10.7 / 53
p0 94.64 ± 379.4
pull
Entries 54
Mean 54.43
Std Dev 0

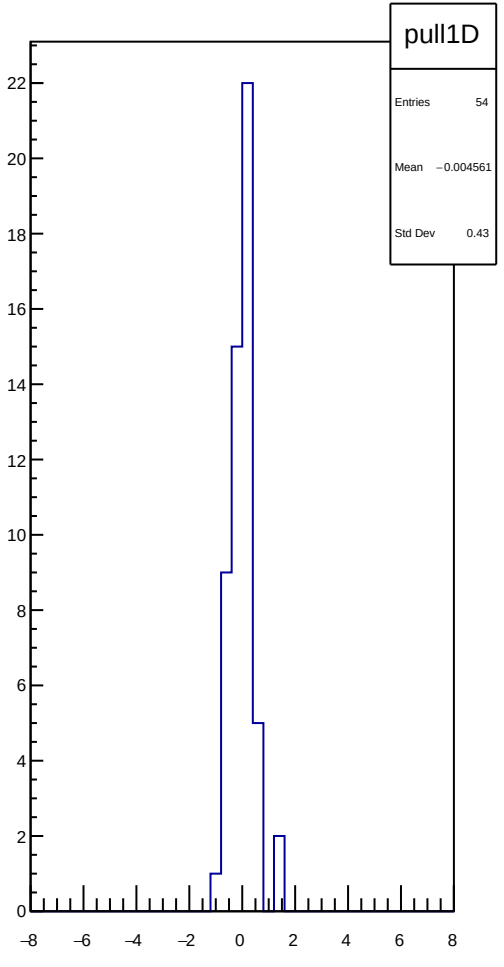

pull1D
Entries 54
Mean −0.009133
Std Dev 0.4451

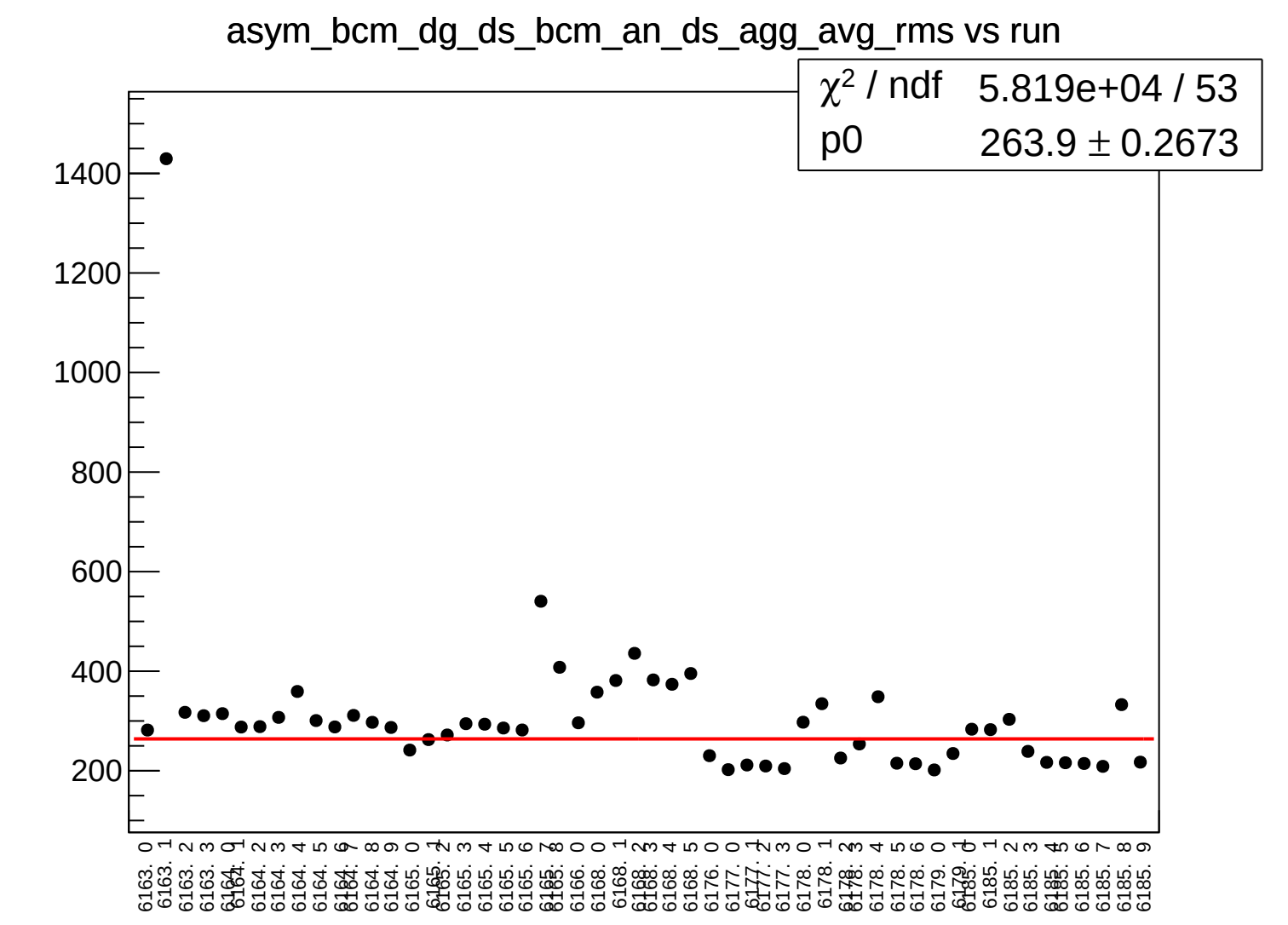

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 5.716e+04 / 53
p0 265 ± 0.2683
1400
1200
1000
800
600
400
200
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

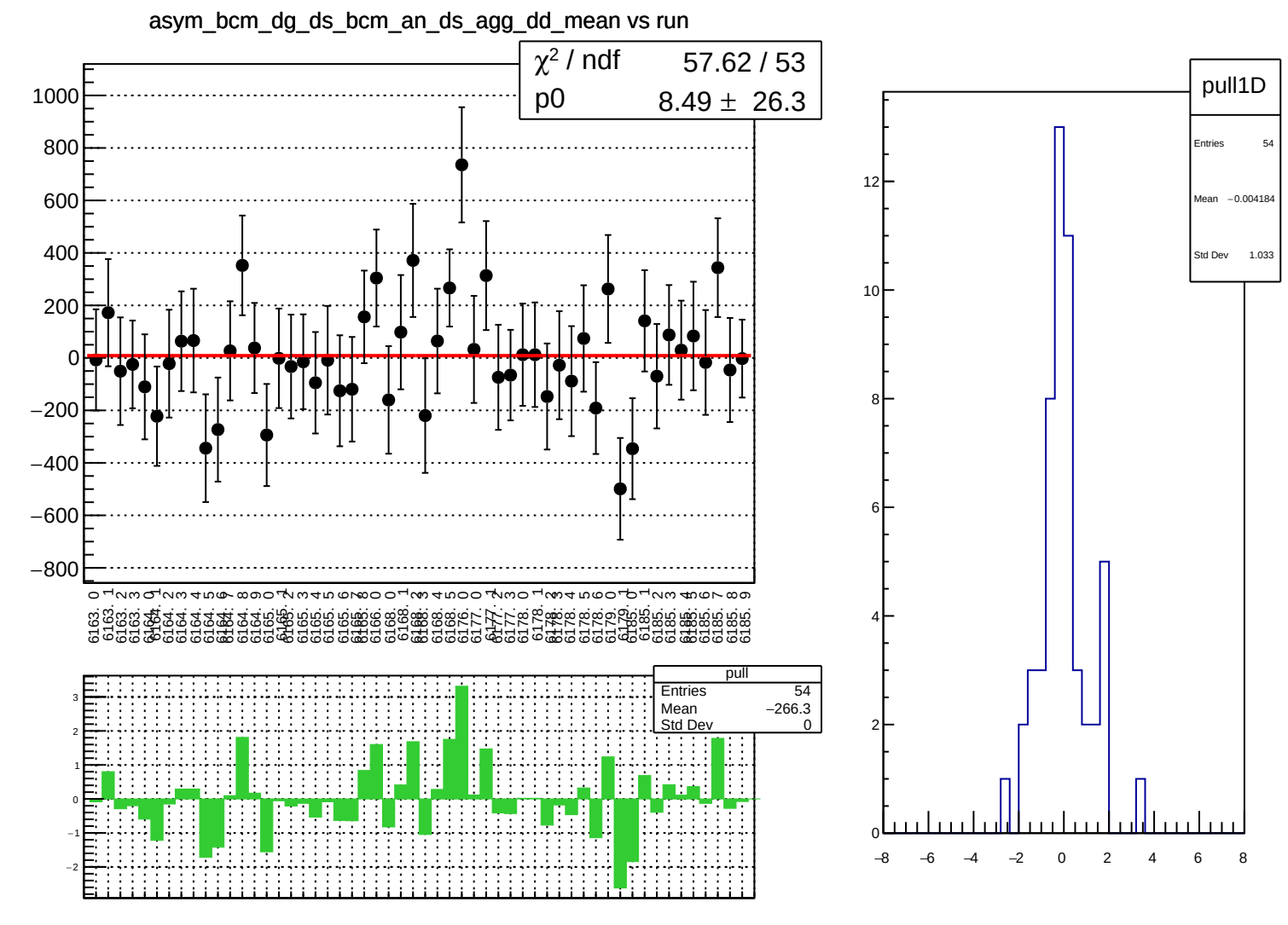

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 53.64 / 53
p0 −13.17 ± 33.03
pull
Entries 54
Mean −498
Std Dev 0
pull1D
Entries 54
Mean −0.003824
Std Dev 0.9967

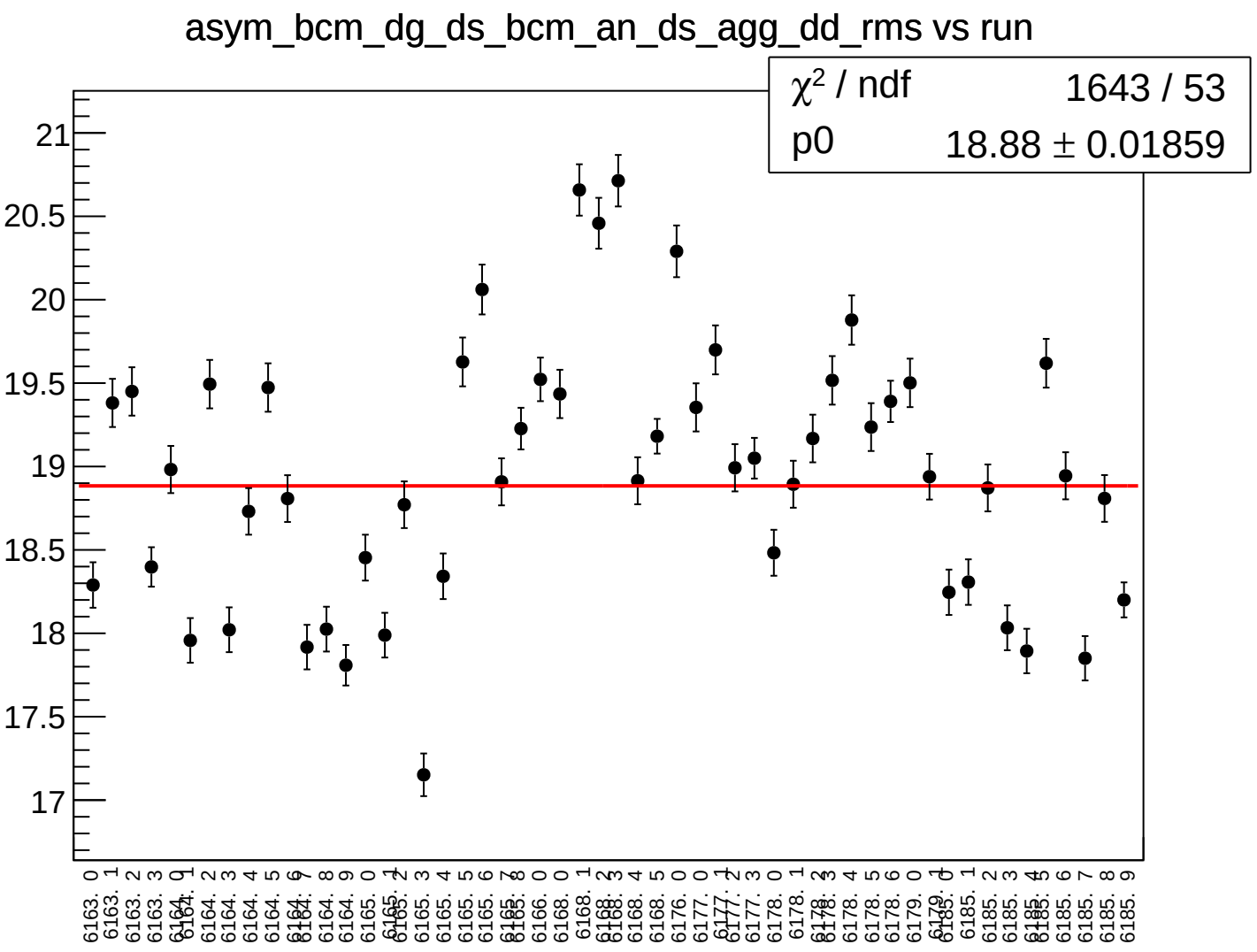

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 989.1 / 53
p0 23.73 ± 0.02336
25.5
25
24.5
24
23.5
23
22.5
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

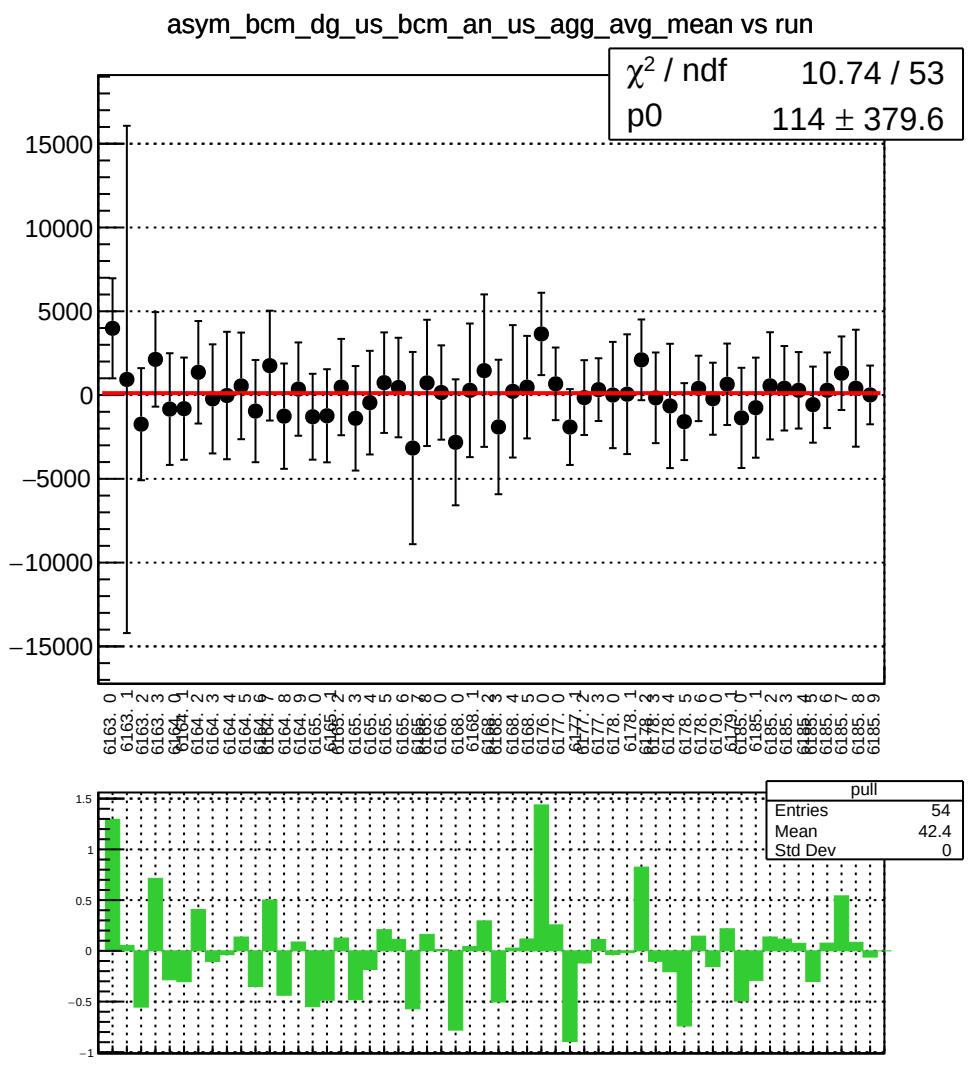

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 9.988 / 53
p0 89.86 ± 378.1
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 54
Mean 102.1
Std Dev 0
1.5
1
0.5
0
−0.5
−1

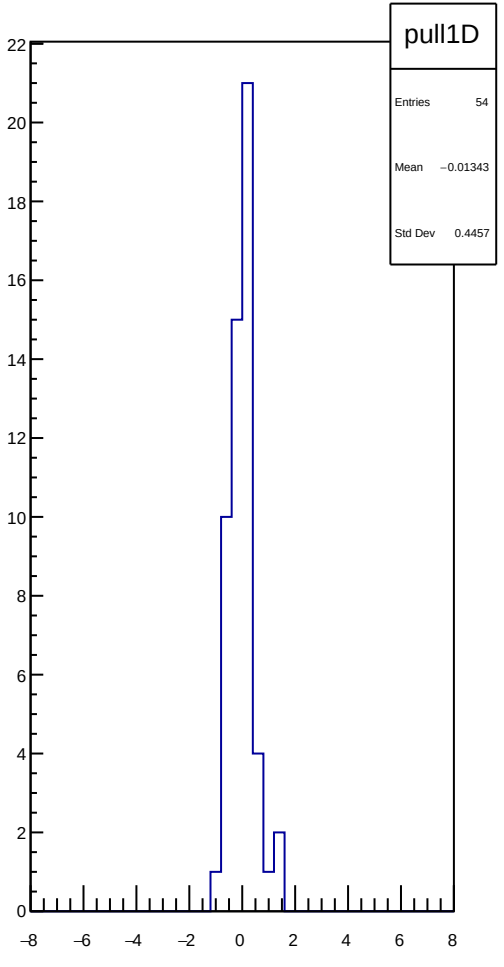

pull1D
Entries 54
Mean −0.004561
Std Dev 0.43
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

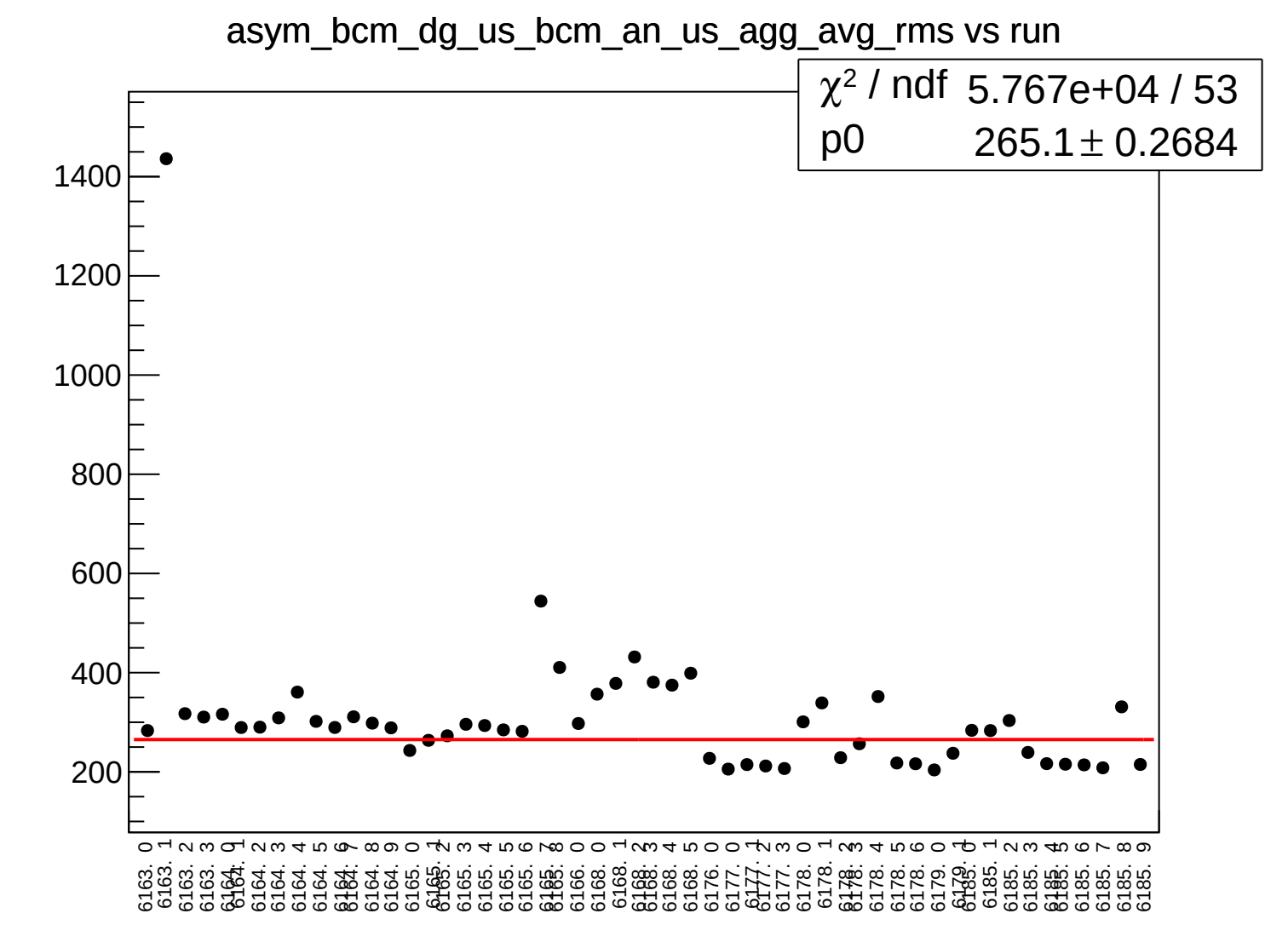

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 5.819e+04 / 53
p0 263.9 ± 0.2673
1400
1200
1000
800
600
400
200
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

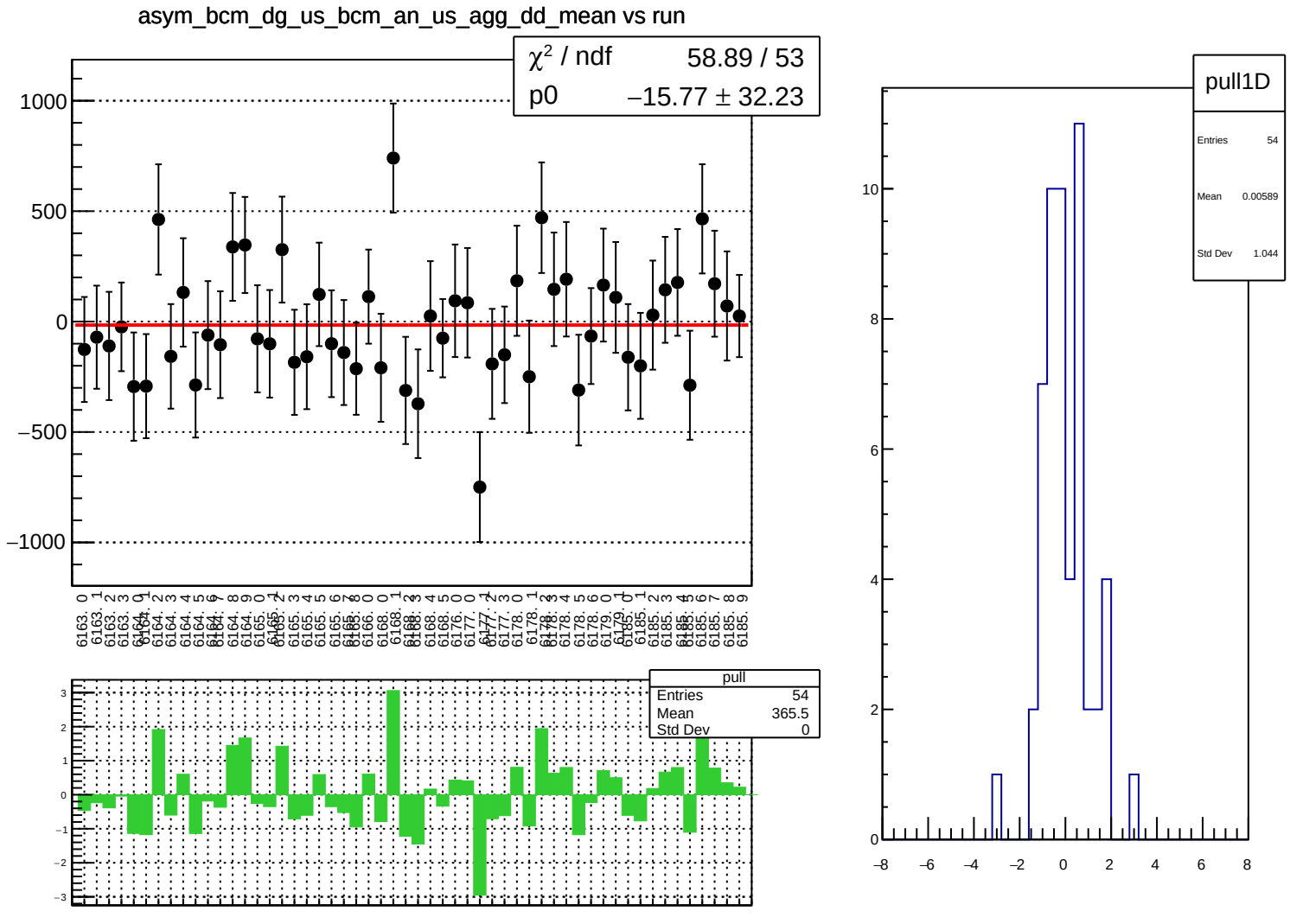

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 57.62 / 53
p0 8.49 ± 26.3
pull
Entries 54
Mean −266.3
Std Dev 0
pull1D
Entries 54
Mean −0.004184
Std Dev 1.033

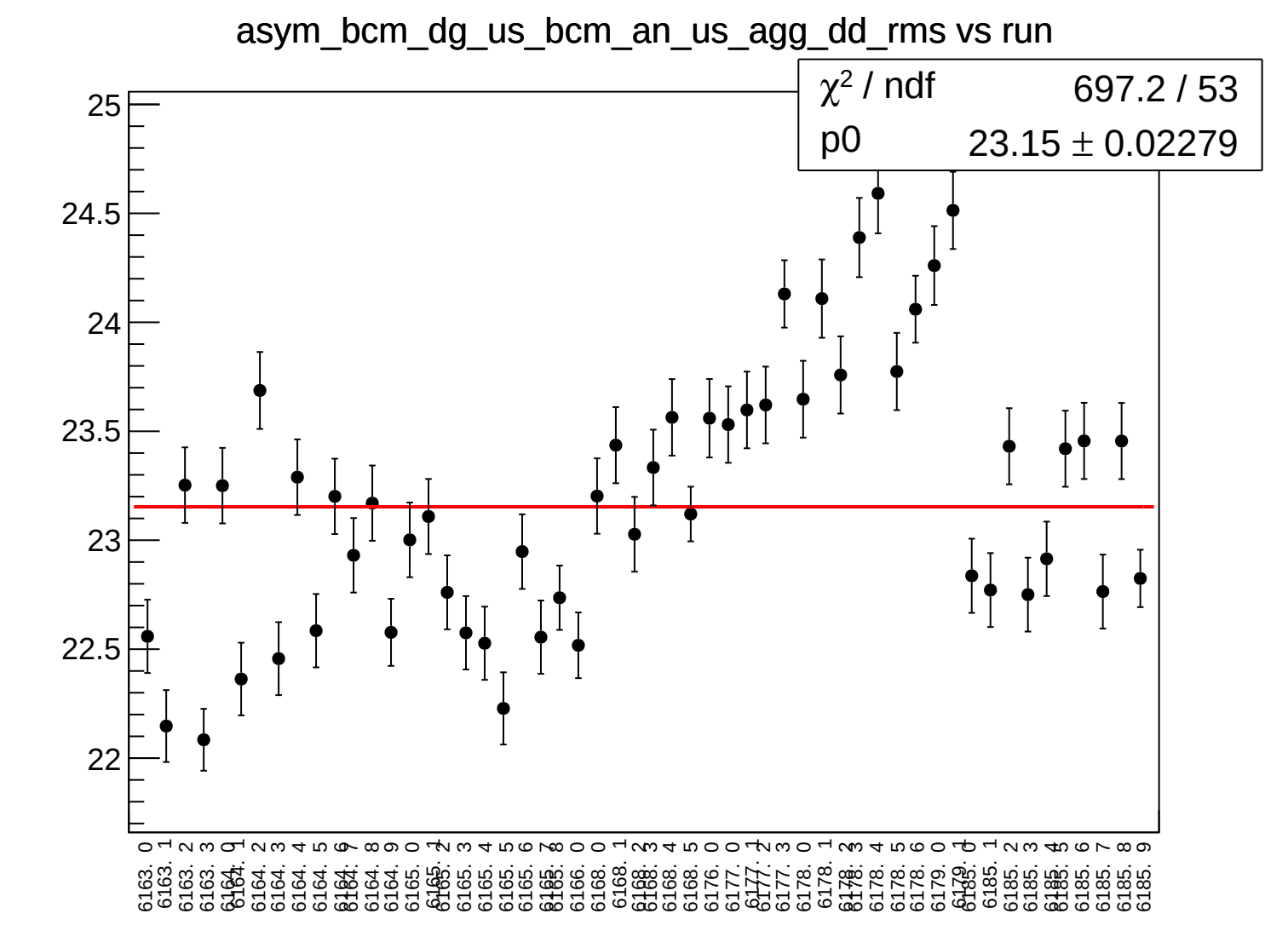

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 1643 / 53
p0 18.88 ± 0.01859
21
20.5
20
19.5
19
18.5
18
17.5
17
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

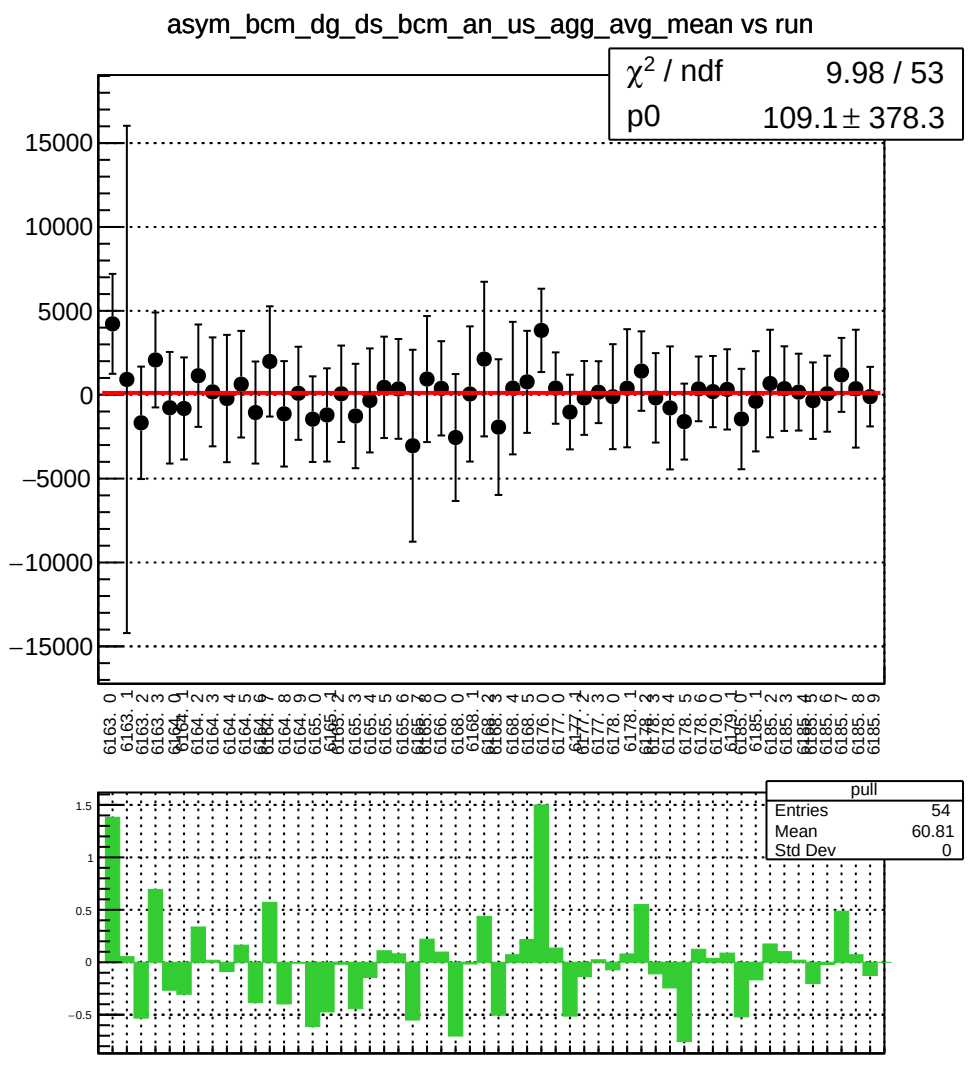

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs run
χ² / ndf 10.74 / 53
p0 114 ± 379.6
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 54
Mean 42.4
Std Dev 0
1.5
1
0.5
0
−0.5
−1

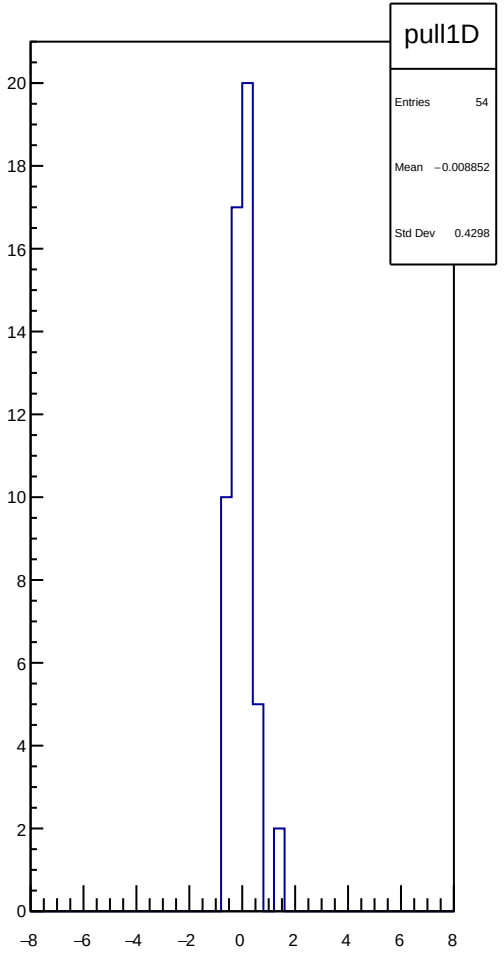

pull1D
Entries 54
Mean −0.01343
Std Dev 0.4457
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

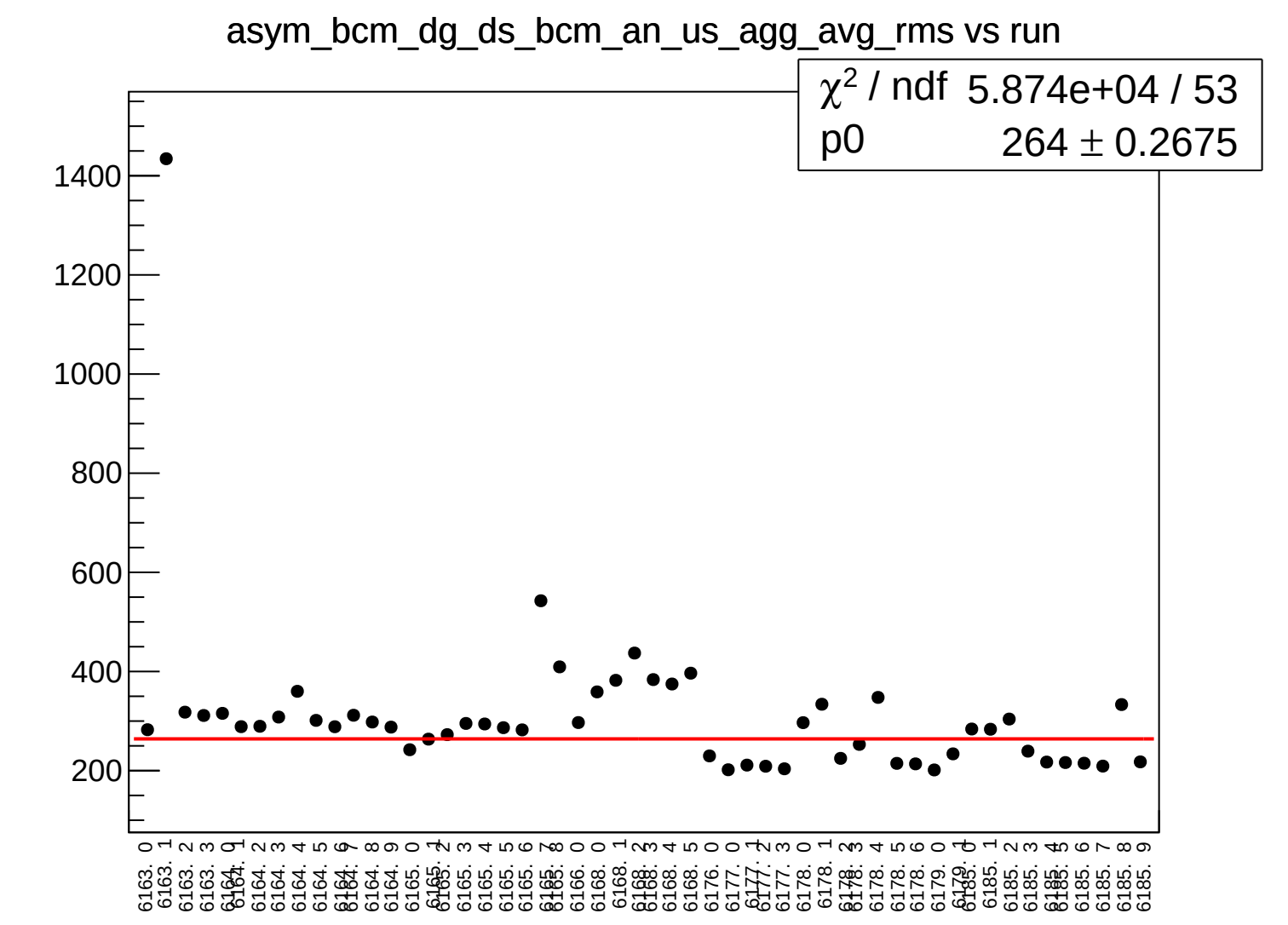

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs run
χ² / ndf 5.767e+04 / 53
p0 265.1 ± 0.2684
1400
1200
1000
800
600
400
200
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

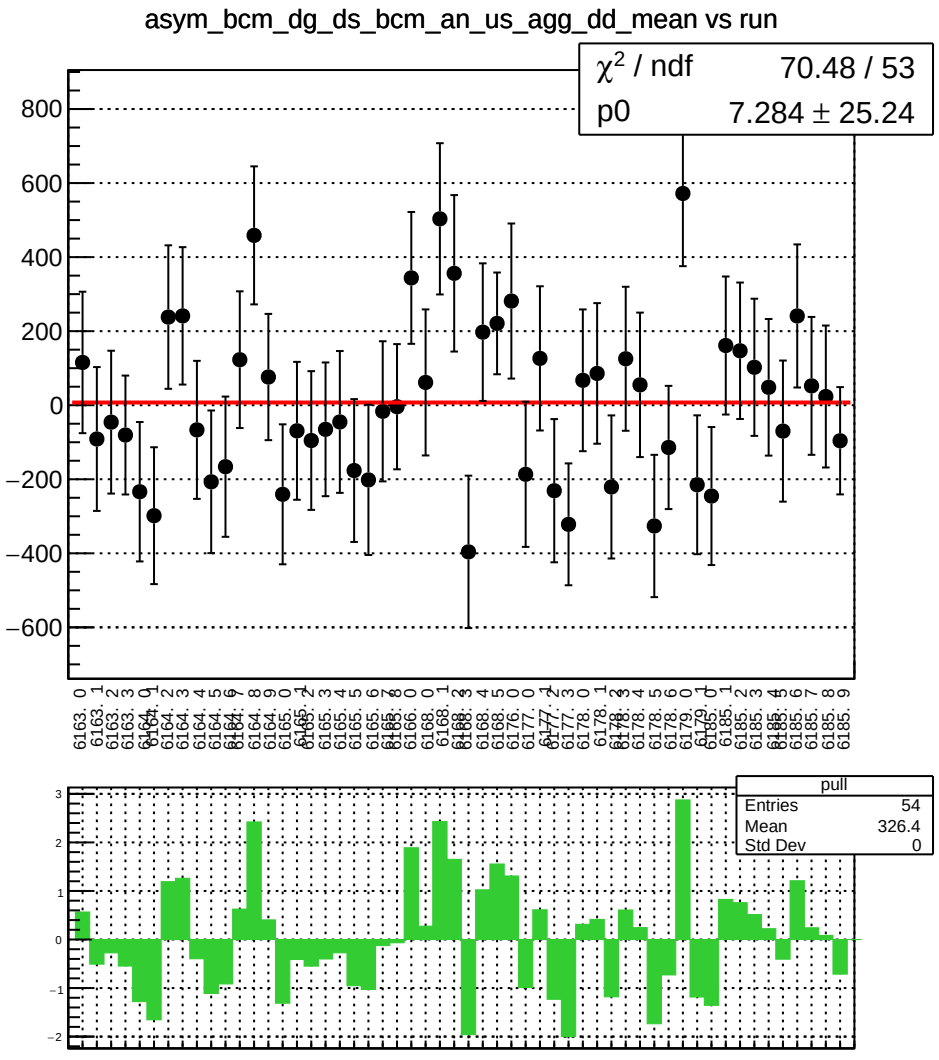

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs run
χ² / ndf 58.89 / 53
p0 −15.77 ± 32.23
pull
Entries 54
Mean 365.5
Std Dev 0
pull1D
Entries 54
Mean 0.00589
Std Dev 1.044

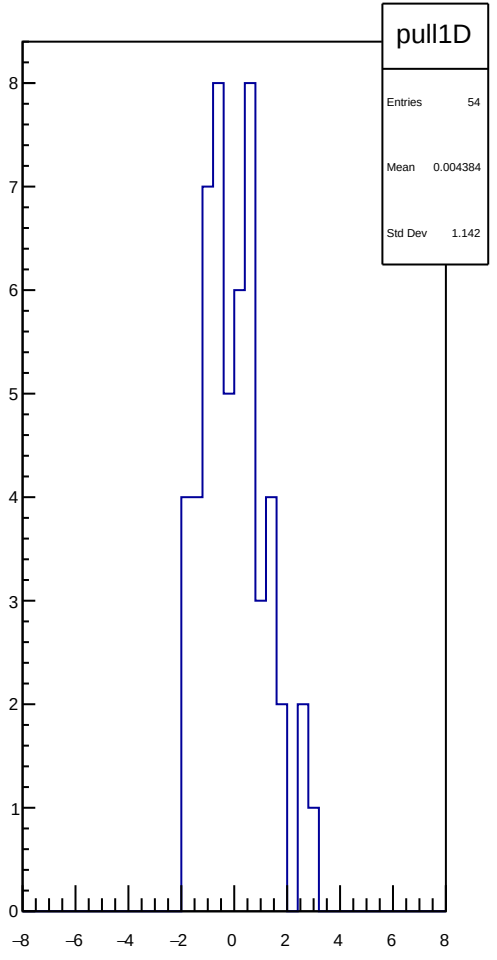

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs run
χ² / ndf 697.2 / 53
p0 23.15 ± 0.02279
25
24.5
24
23.5
23
22.5
22
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6165. 7
6165. 8
6166. 0
6168. 0
6168. 1
6168. 3
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 3
6178. 4
6178. 5
6178. 6
6179. 0
6179. 1
6185. 0
6185. 1
6185. 2
6185. 3
6185. 4
6185. 5
6185. 6
6185. 7
6185. 8
6185. 9

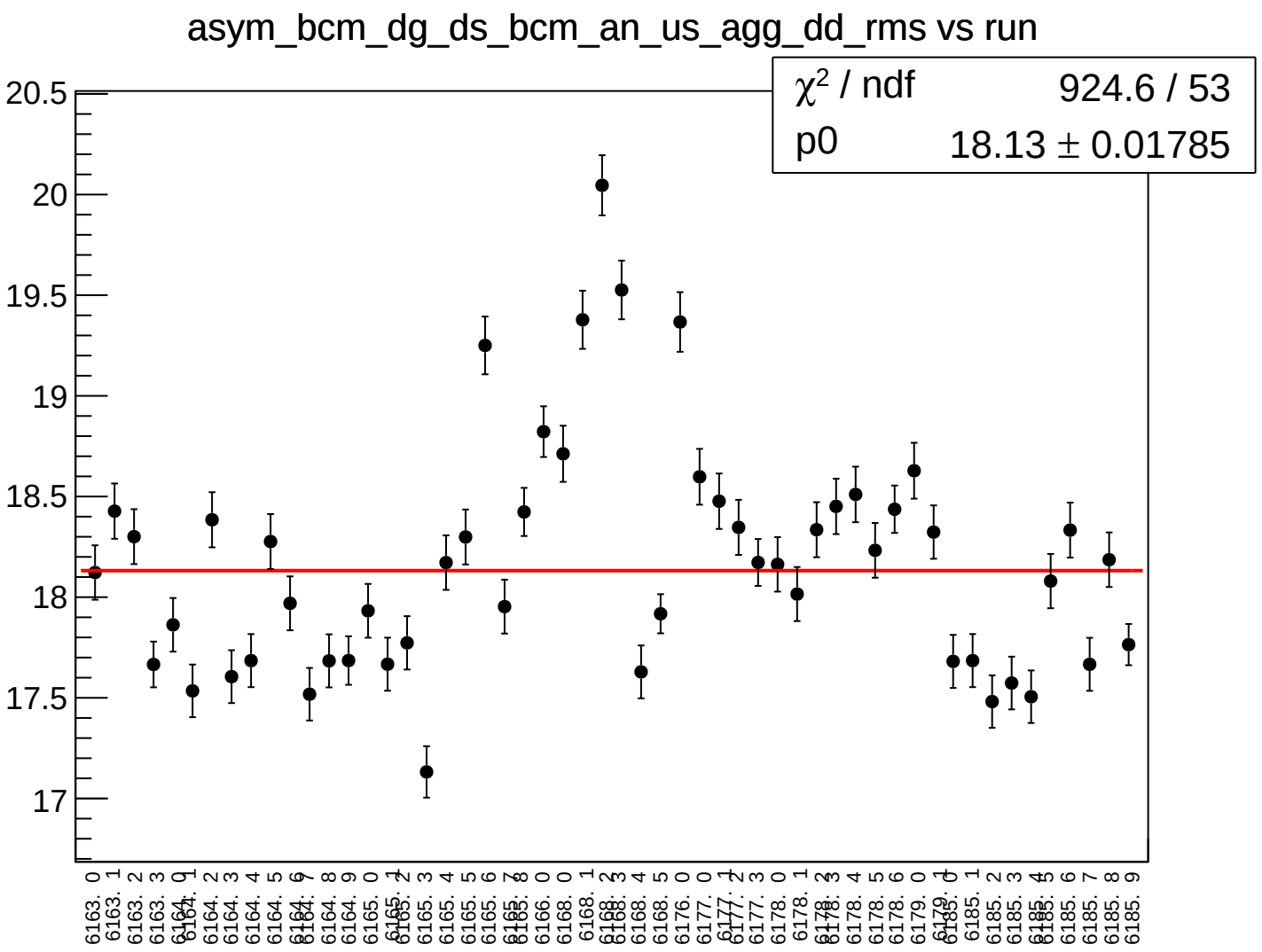

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs run
χ² / ndf 9.98 / 53
p0 109.1 ± 378.3
pull
Entries 54
Mean 60.81
Std Dev 0

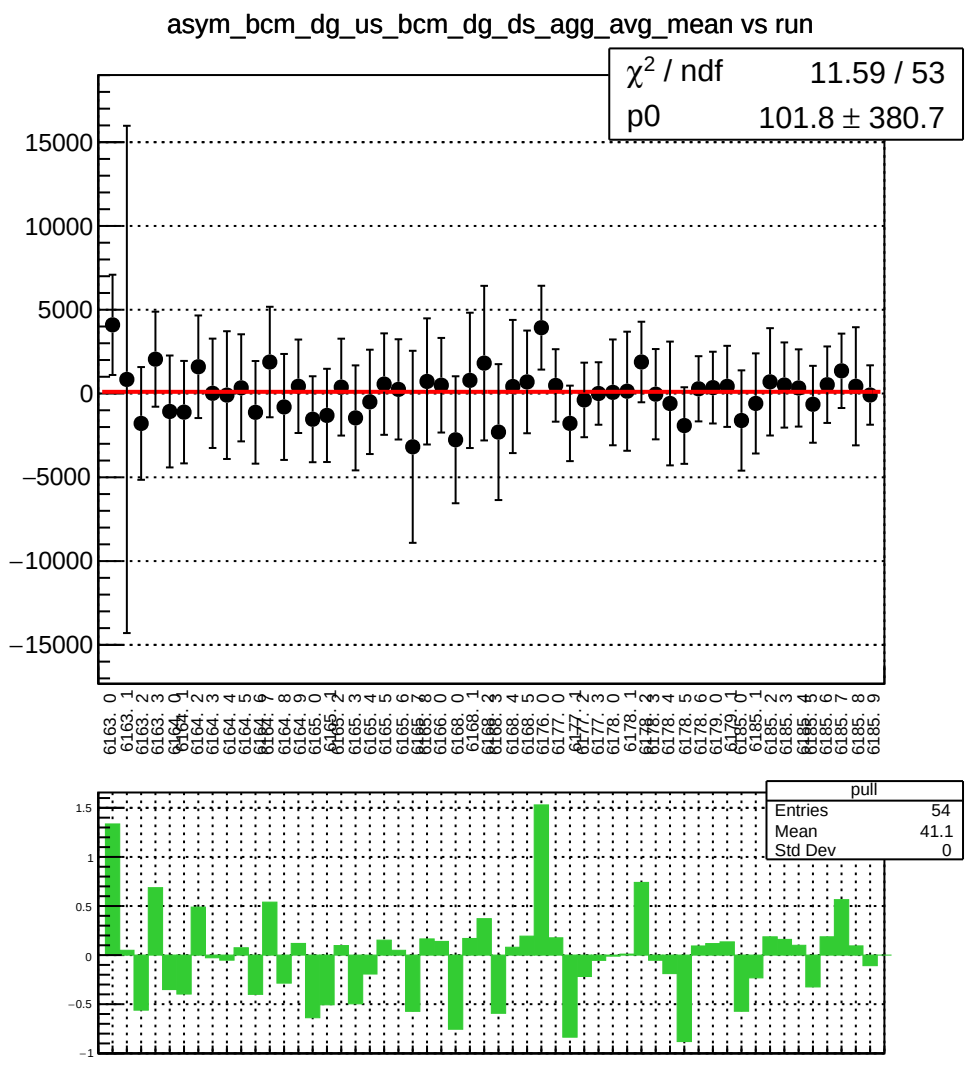

pull1D
Entries 54
Mean −0.008852
Std Dev 0.4298

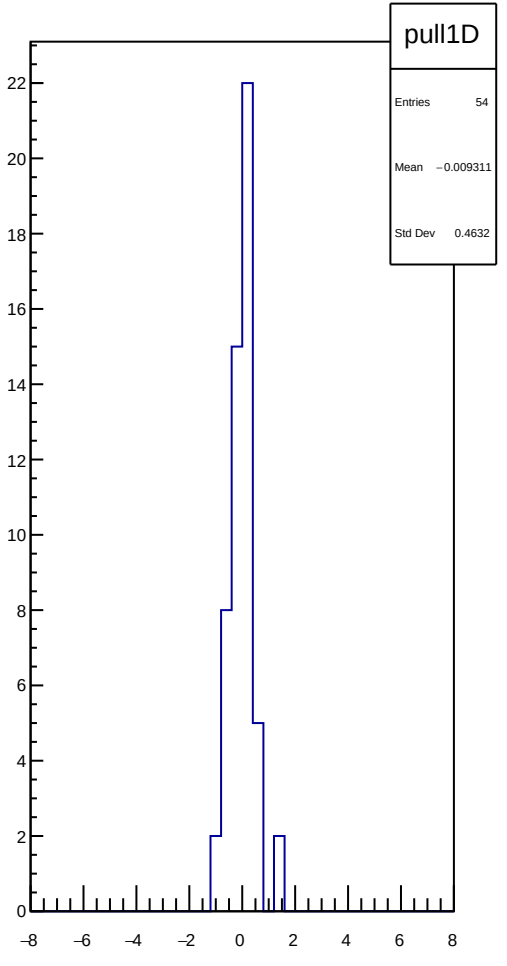

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs run
χ² / ndf 5.874e+04 / 53
p0 264 ± 0.2675
1400
1200
1000
800
600
400
200
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

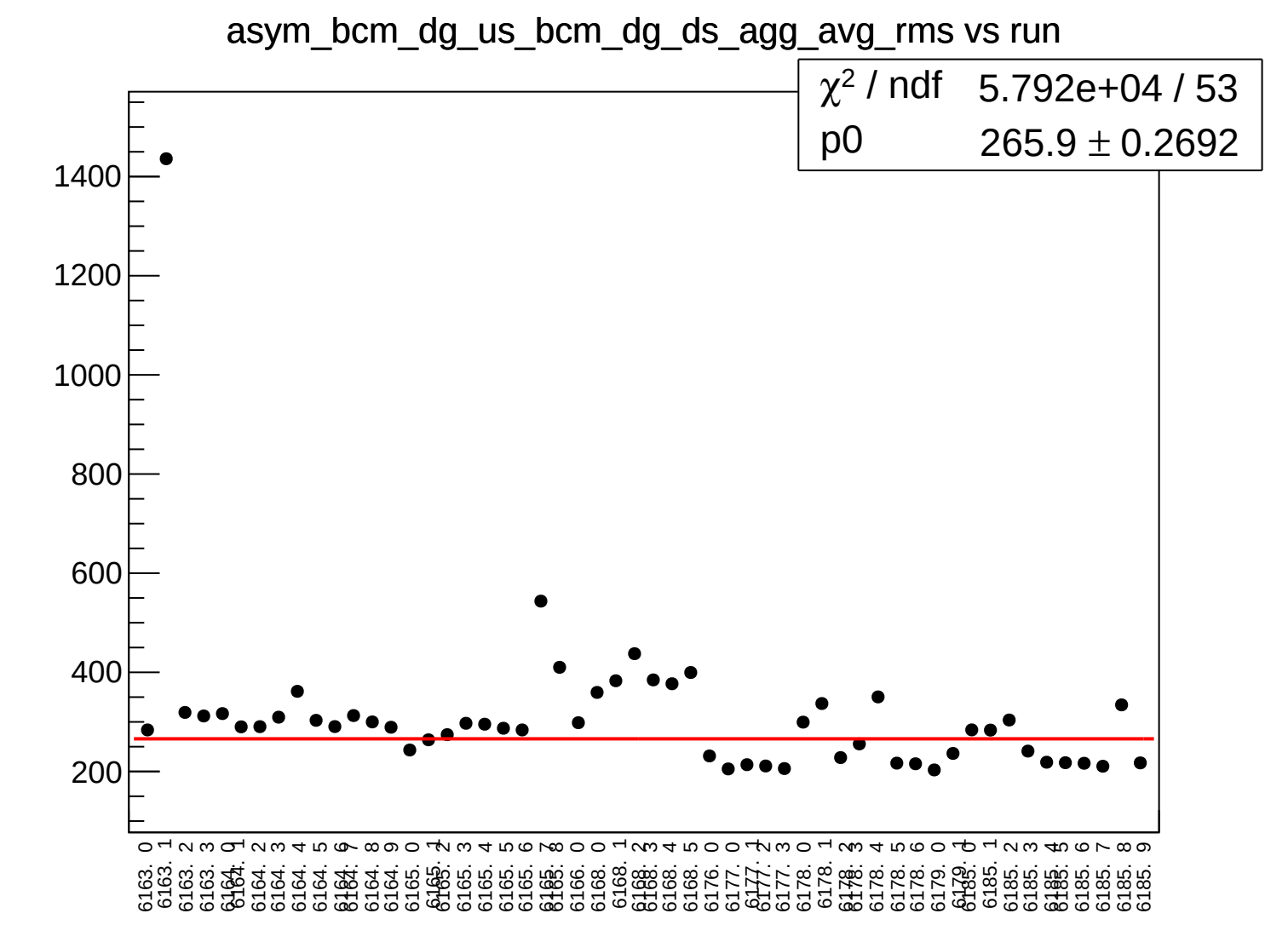

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs run
χ² / ndf 70.48 / 53
p0 7.284 ± 25.24
pull
Entries 54
Mean 326.4
Std Dev 0

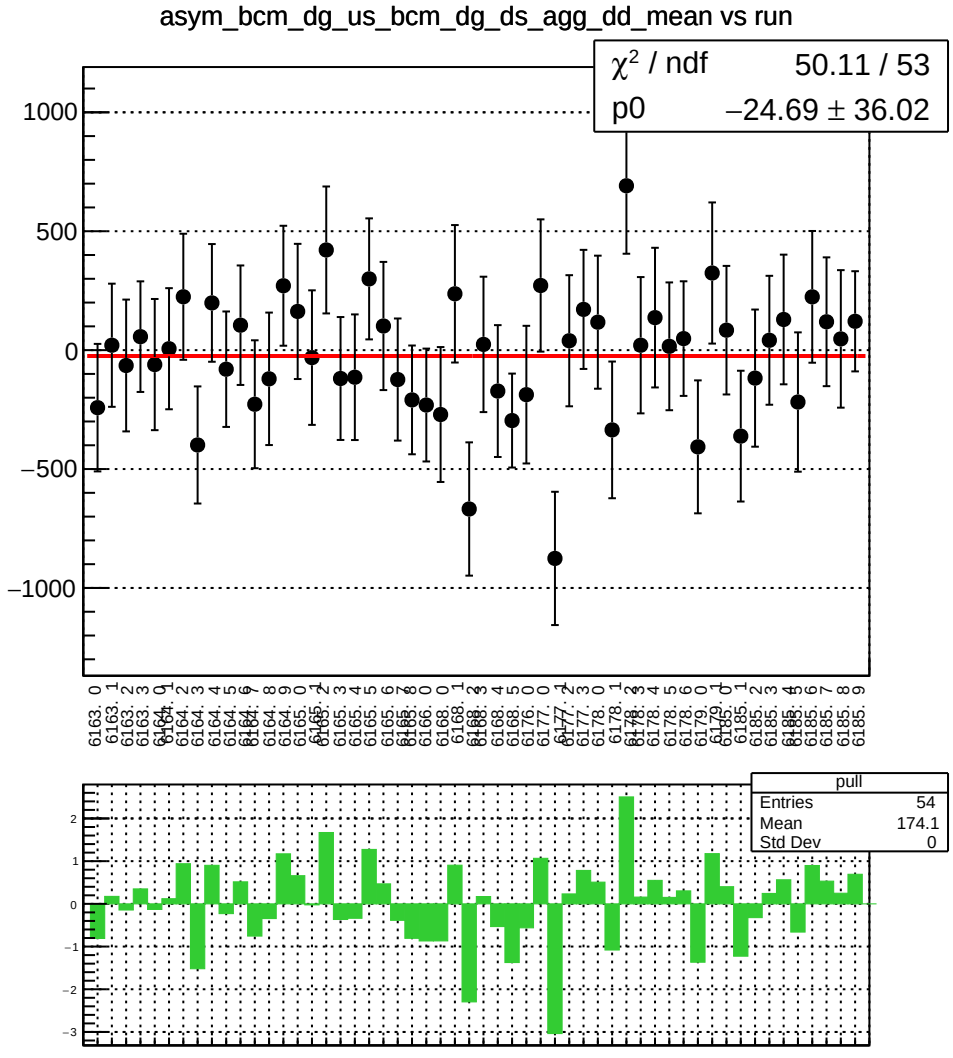

pull1D
Entries 54
Mean 0.004384
Std Dev 1.142

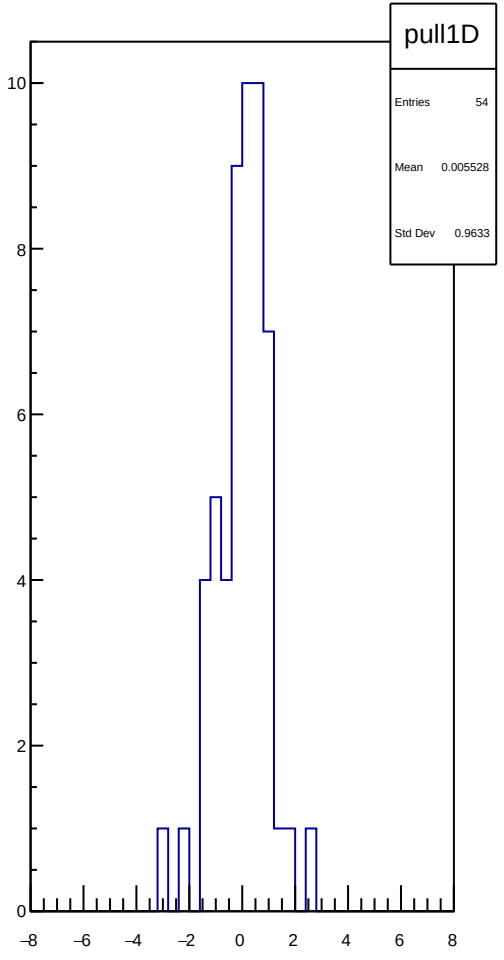

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs run
χ² / ndf 924.6 / 53
p0 18.13 ± 0.01785
20.5
20
19.5
19
18.5
18
17.5
17
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

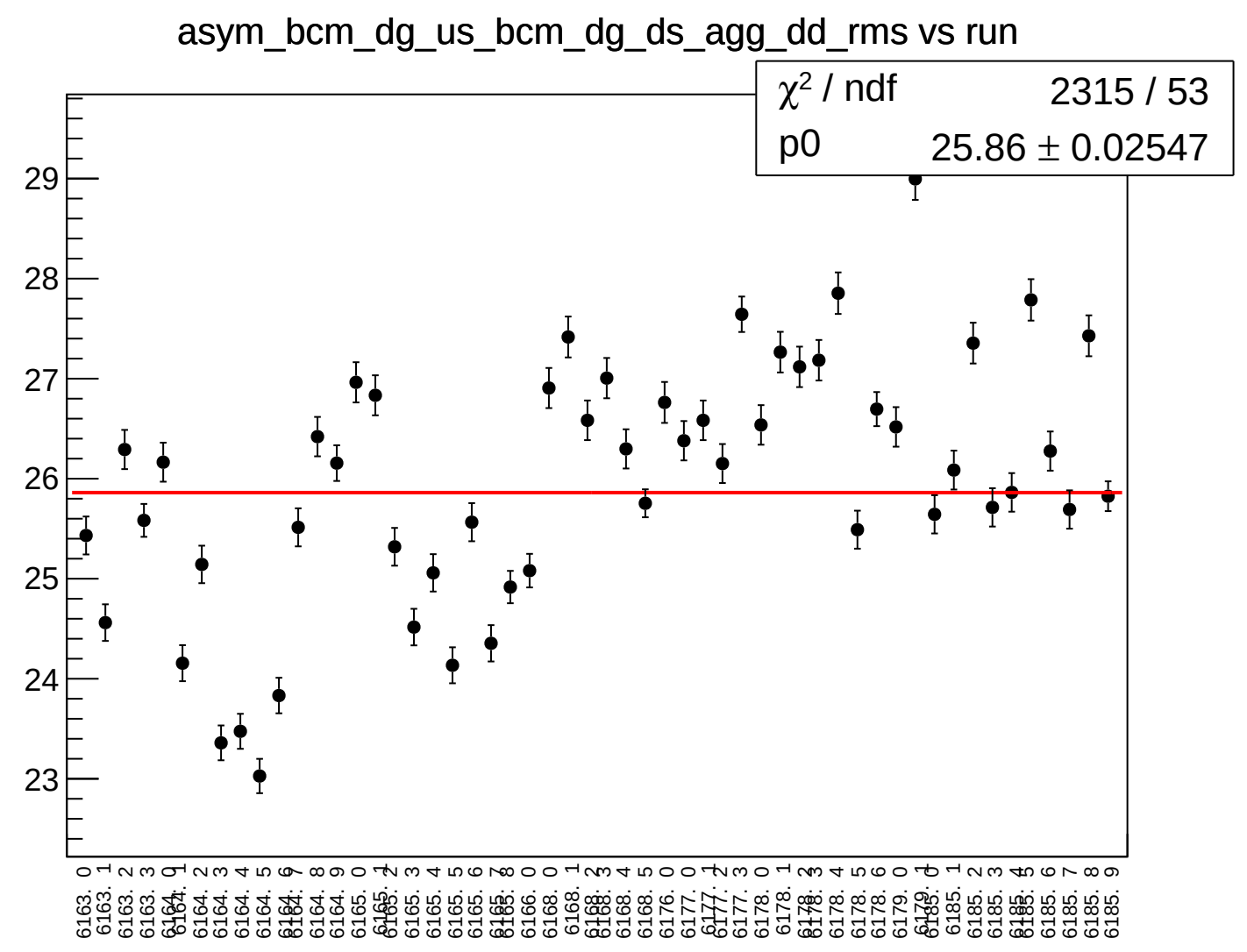

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs run
χ² / ndf 11.59 / 53
p0 101.8 ± 380.7
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 54
Mean 41.1
Std Dev 0
1.5
1
0.5
0
−0.5
−1

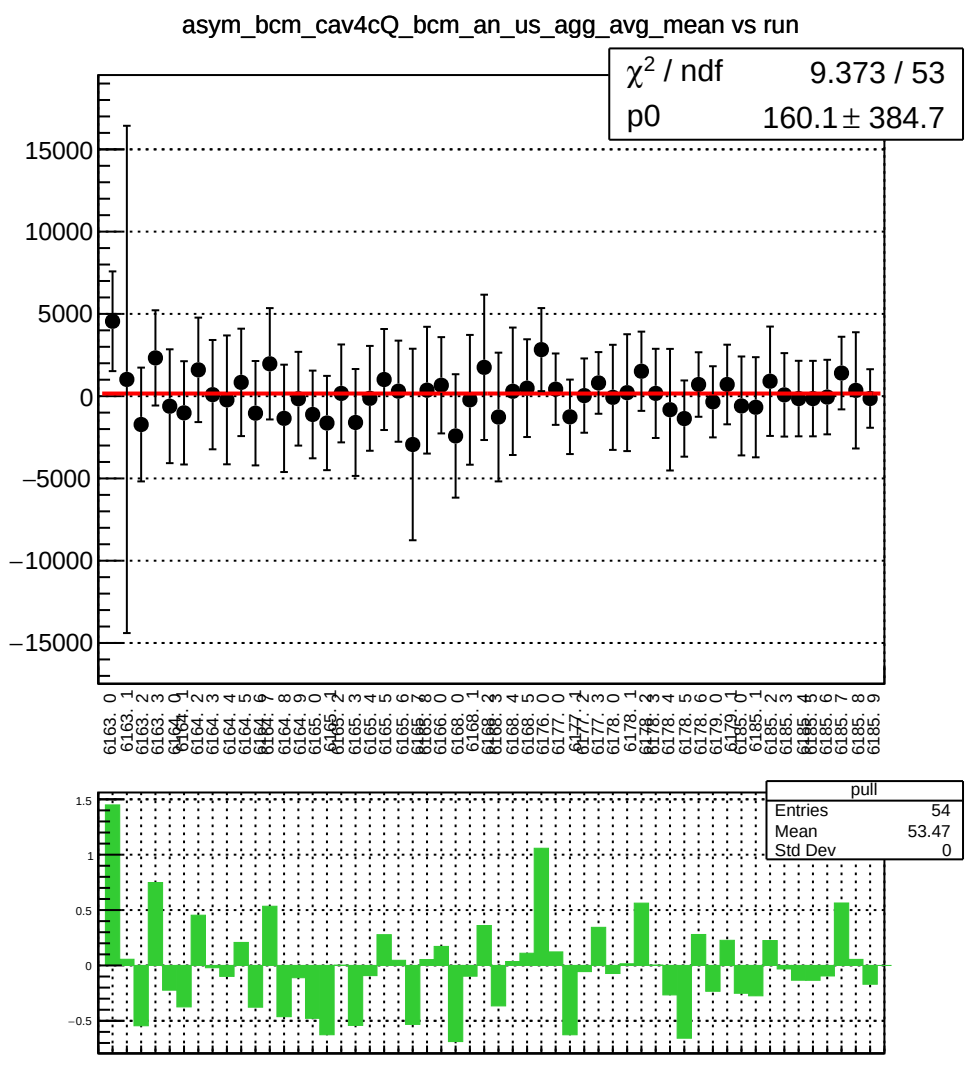

pull1D
Entries 54
Mean −0.009311
Std Dev 0.4632
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

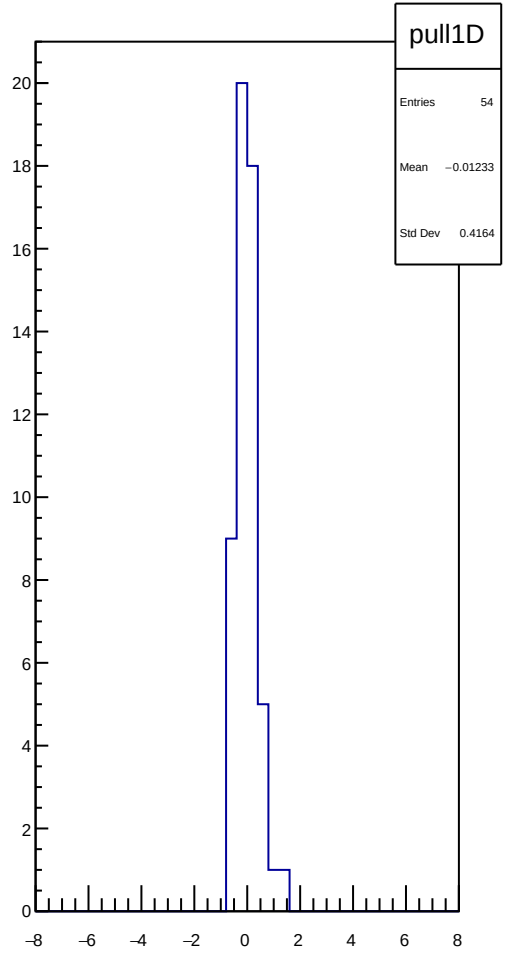

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs run
χ² / ndf 5.792e+04 / 53
p0 265.9 ± 0.2692
1400
1200
1000
800
600
400
200
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

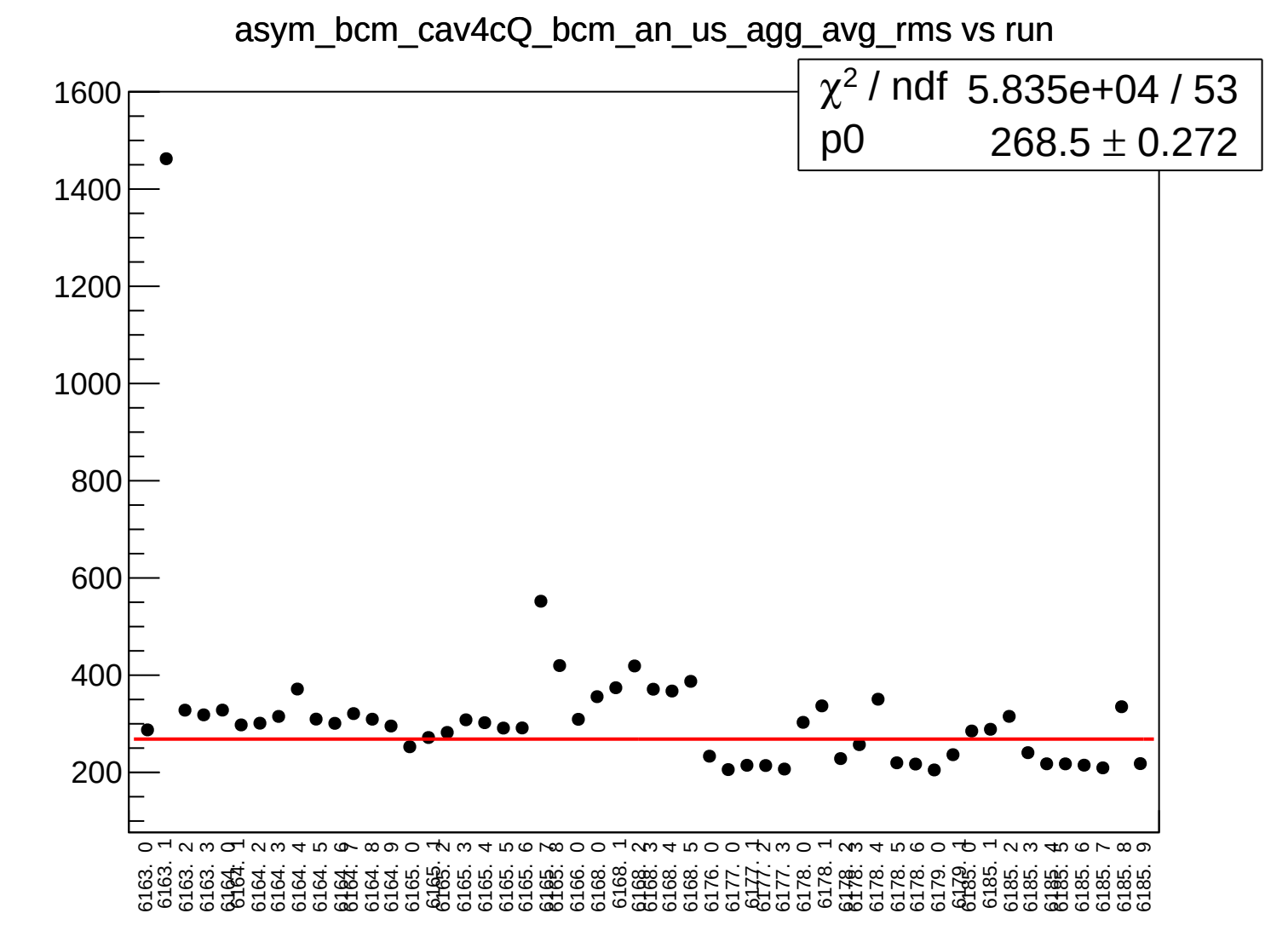

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 50.11 / 53
p0 −24.69 ± 36.02
1000
500
0
−500
−1000
pull
Entries 54
Mean 174.1
Std Dev 0
2
1
0
−1
−2
−3

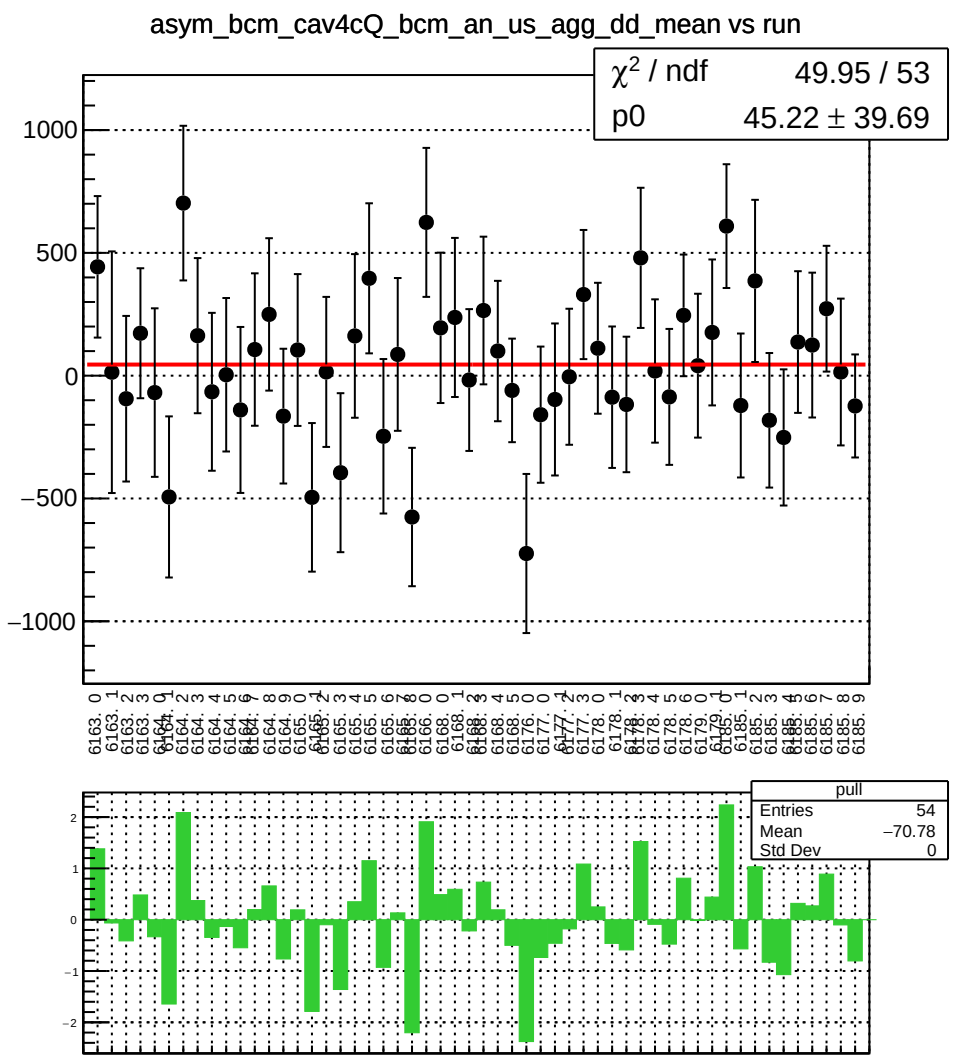

pull1D
Entries 54
Mean 0.005528
Std Dev 0.9633
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

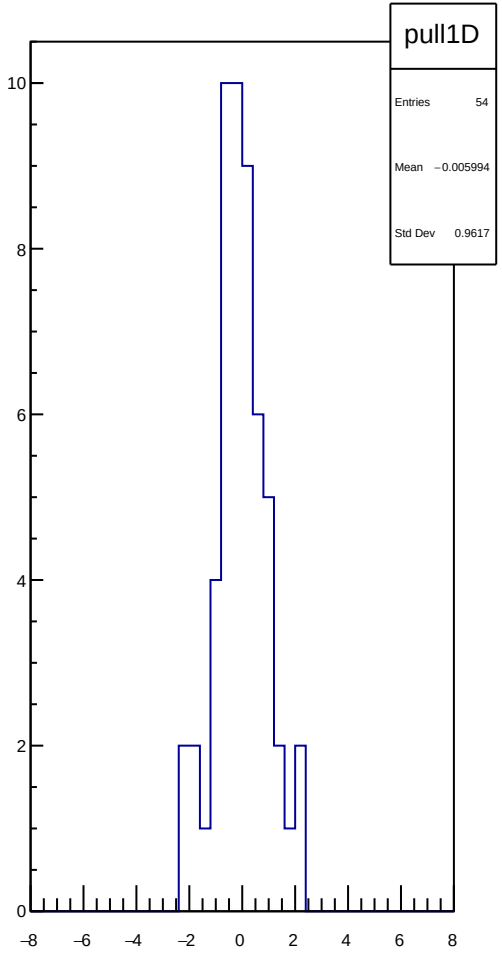

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 2315 / 53
p0 25.86 ± 0.02547
29
28
27
26
25
24
23
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

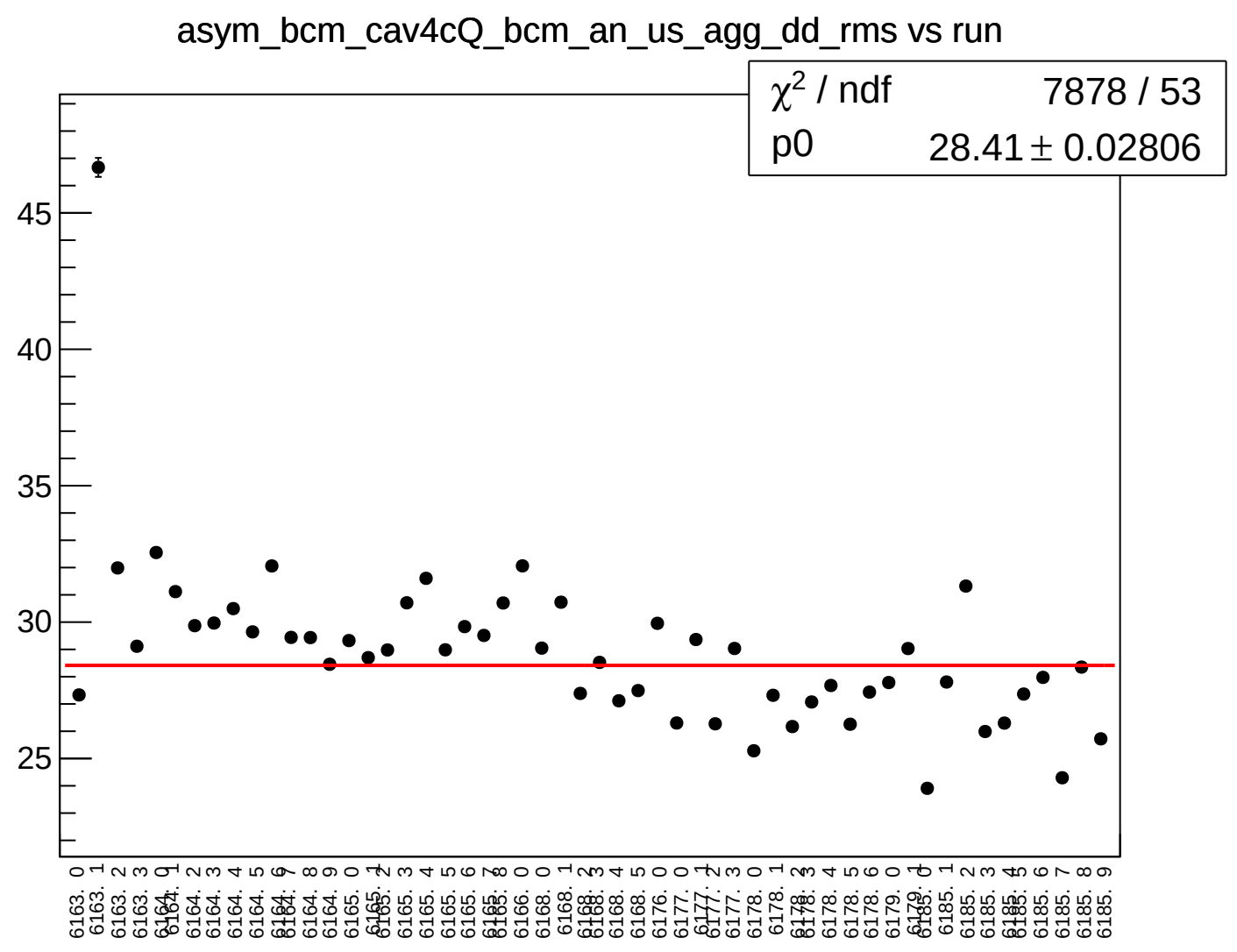

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs run
χ² / ndf 9.373 / 53
p0 160.1 ± 384.7
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 54
Mean 53.47
Std Dev 0
1.5
1
0.5
0
−0.5

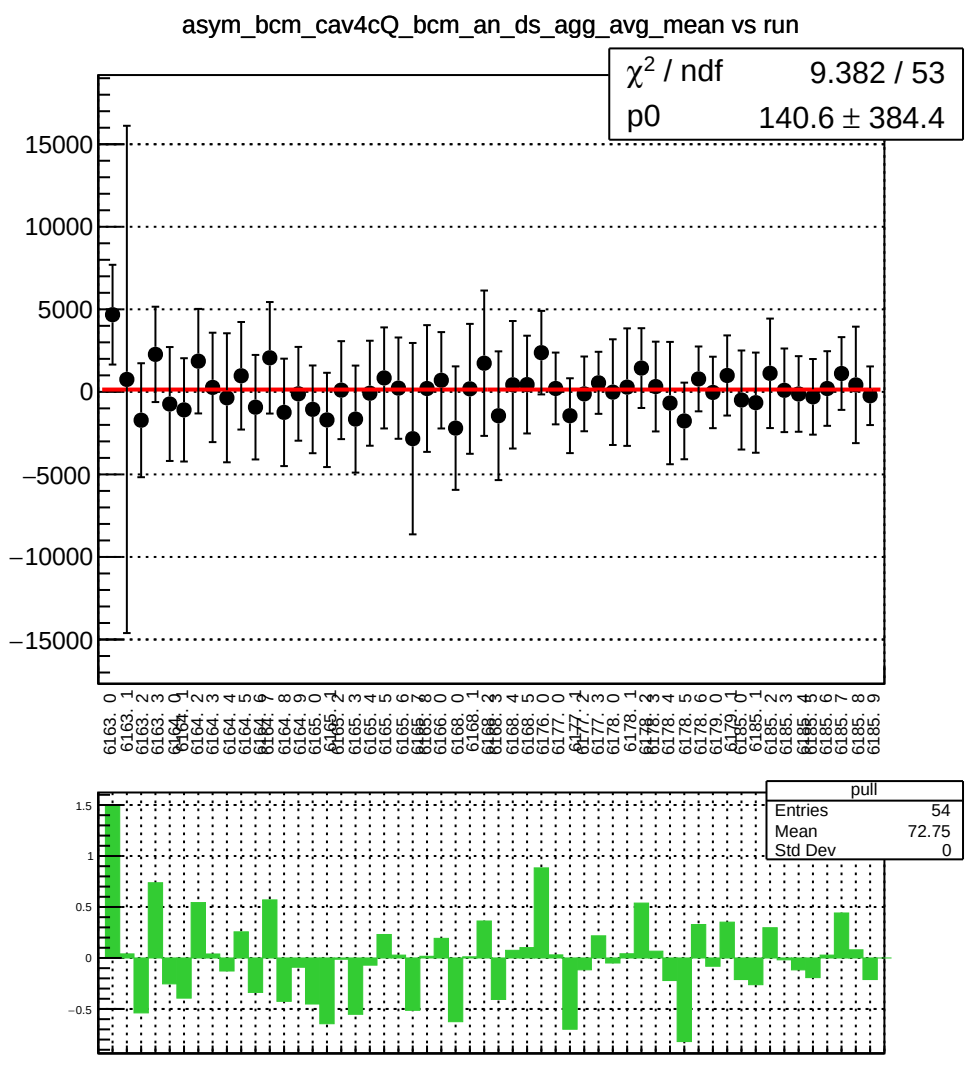

pull1D
Entries 54
Mean −0.01233
Std Dev 0.4164
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

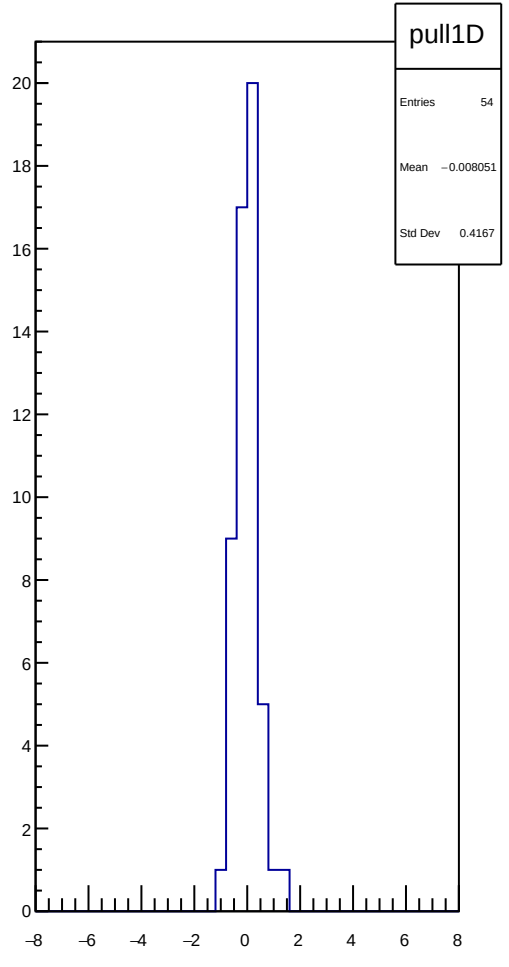

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs run
χ² / ndf 5.835e+04 / 53
p0 268.5 ± 0.272
1600
1400
1200
1000
800
600
400
200
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

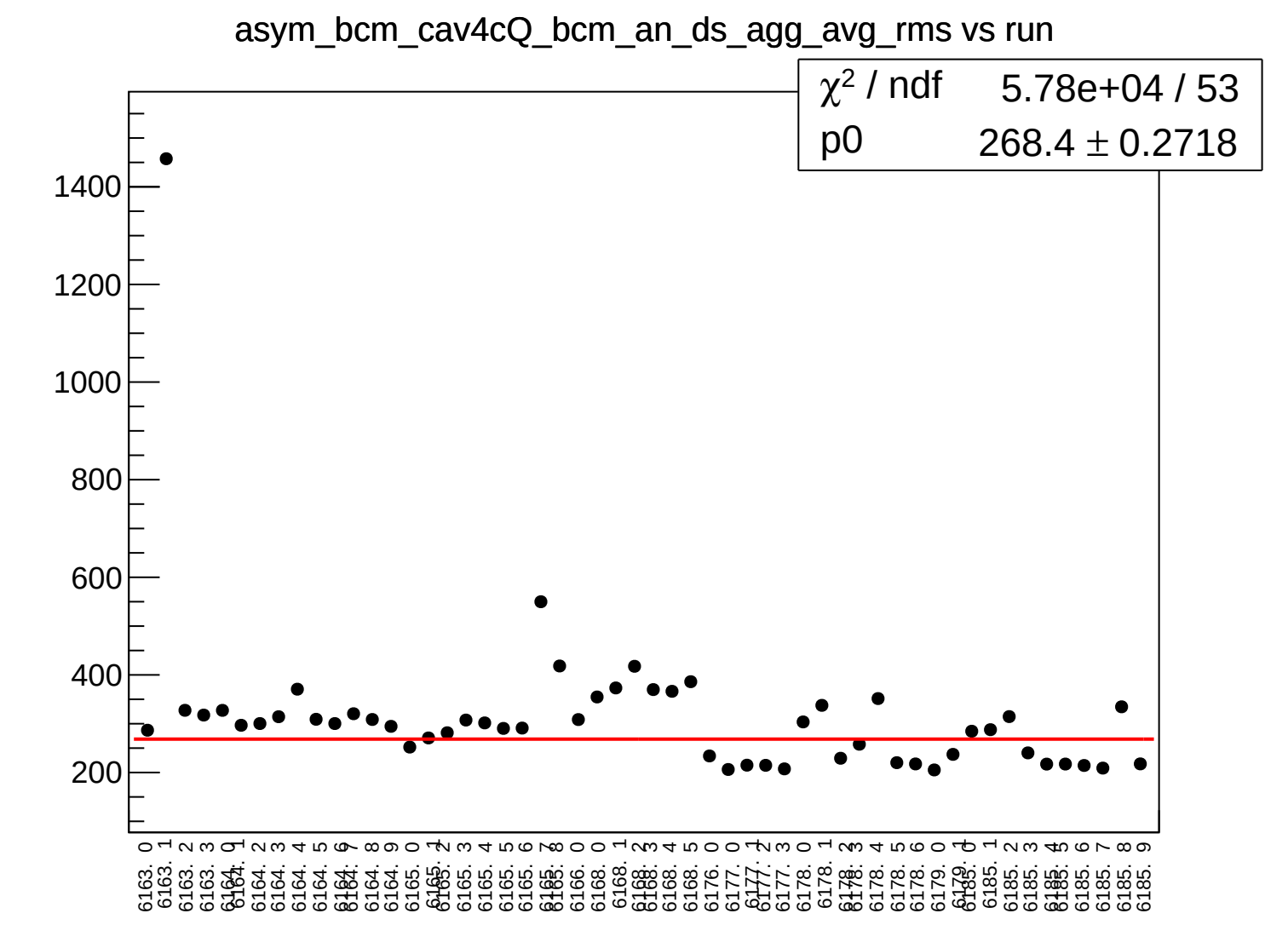

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs run
χ² / ndf 49.95 / 53
p0 45.22 ± 39.69
1000
500
0
−500
−1000
pull
Entries 54
Mean −70.78
Std Dev 0
2
1
0
−1
−2

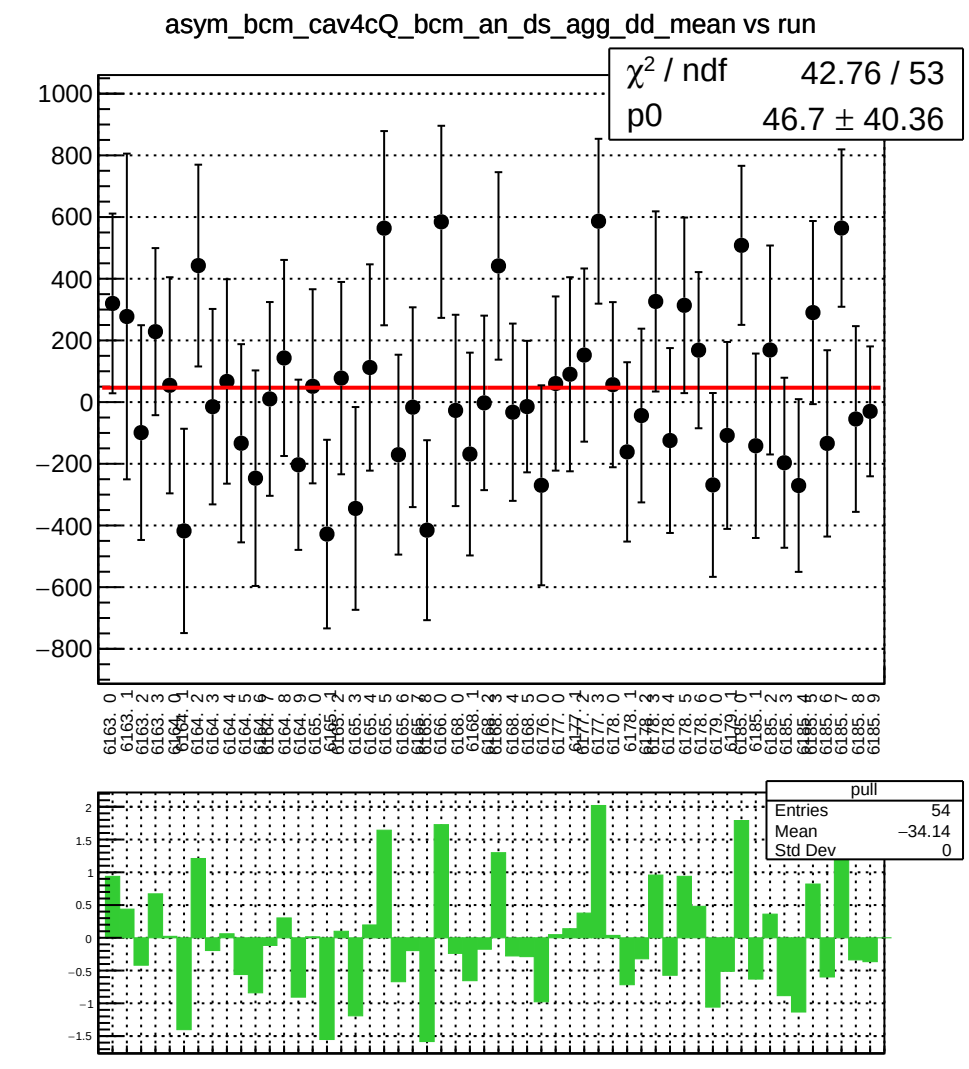

pull1D
Entries 54
Mean −0.005994
Std Dev 0.9617
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

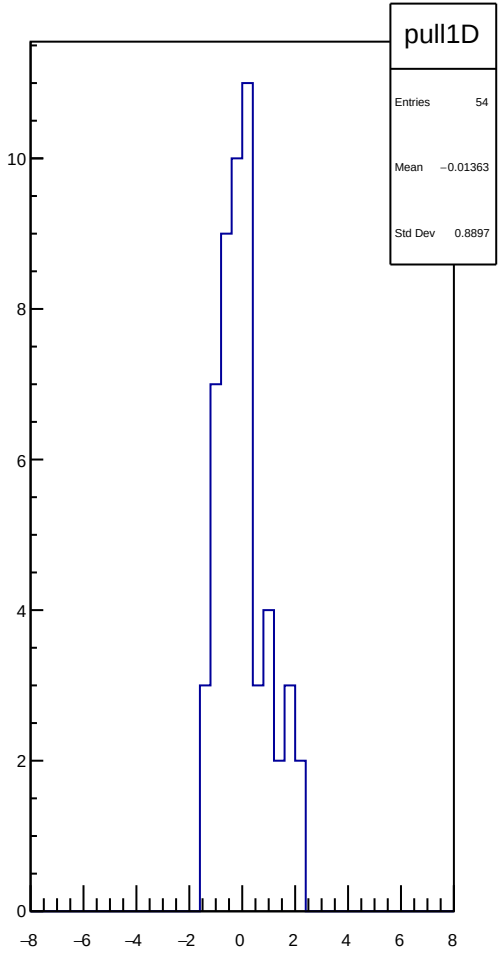

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs run
χ² / ndf 7878 / 53
p0 28.41 ± 0.02806
45
40
35
30
25
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

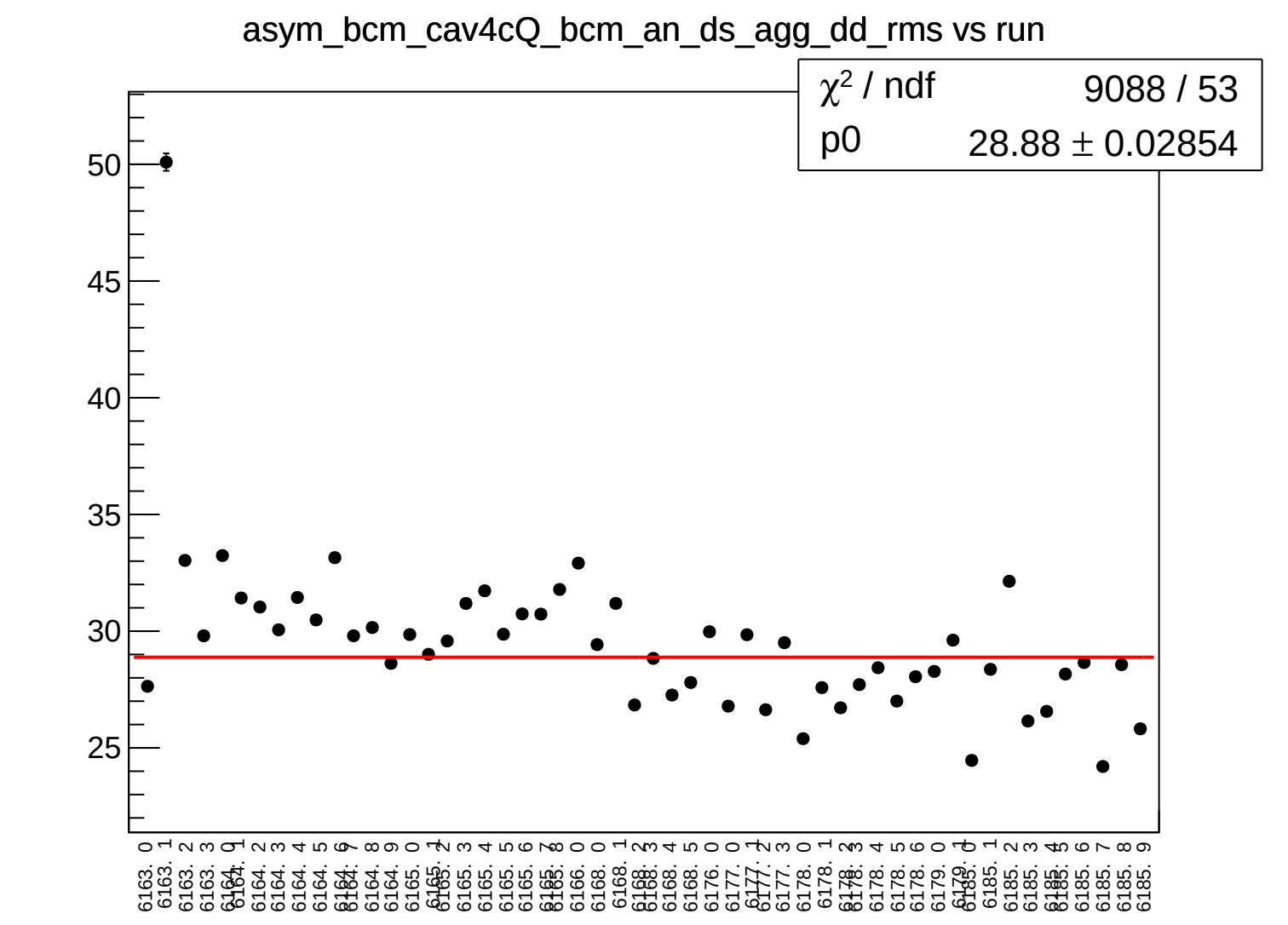

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 9.382 / 53
p0 140.6 ± 384.4
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 54
Mean 72.75
Std Dev 0
1.5
1
0.5
0
−0.5

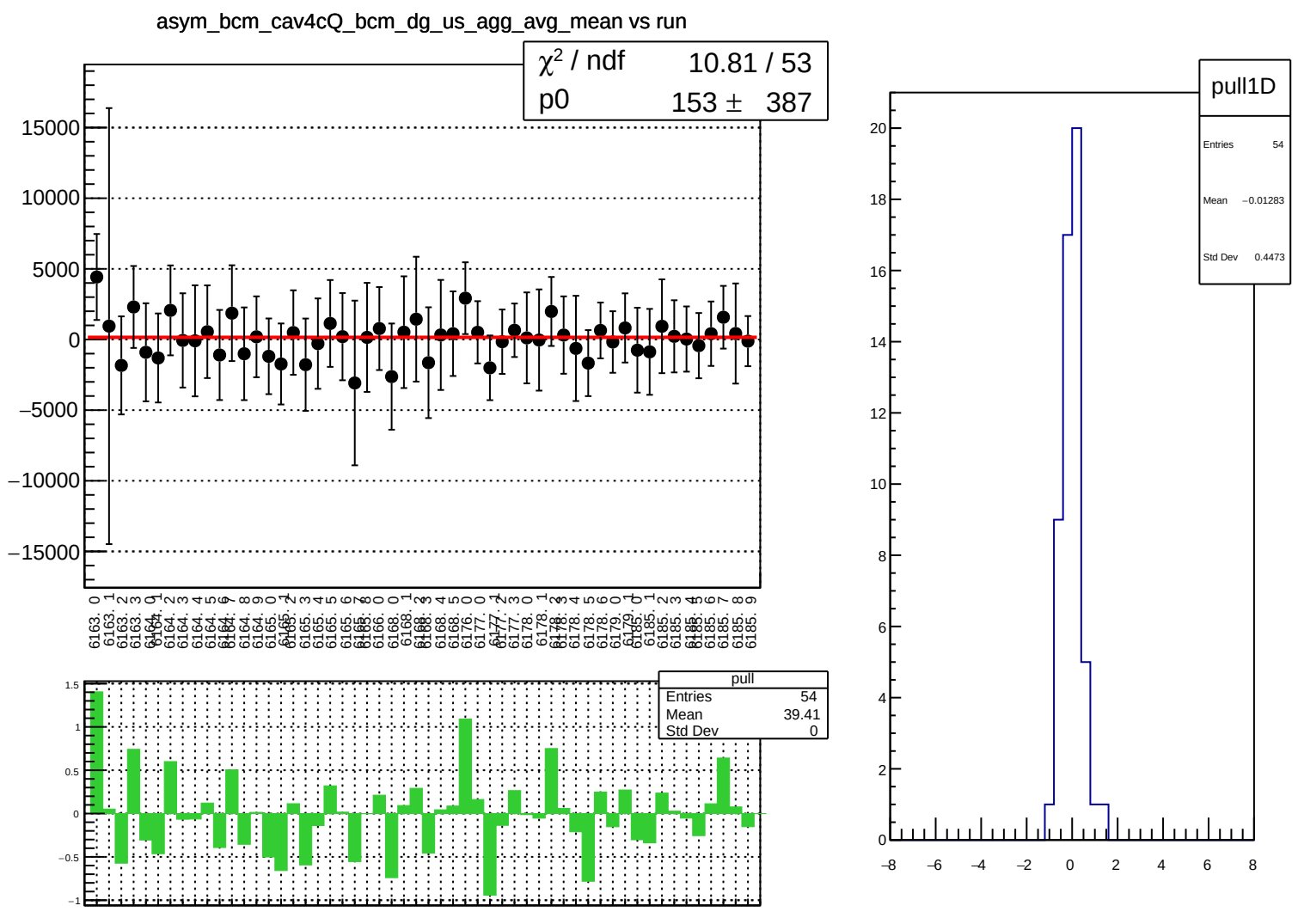

pull1D
Entries 54
Mean −0.008051
Std Dev 0.4167
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

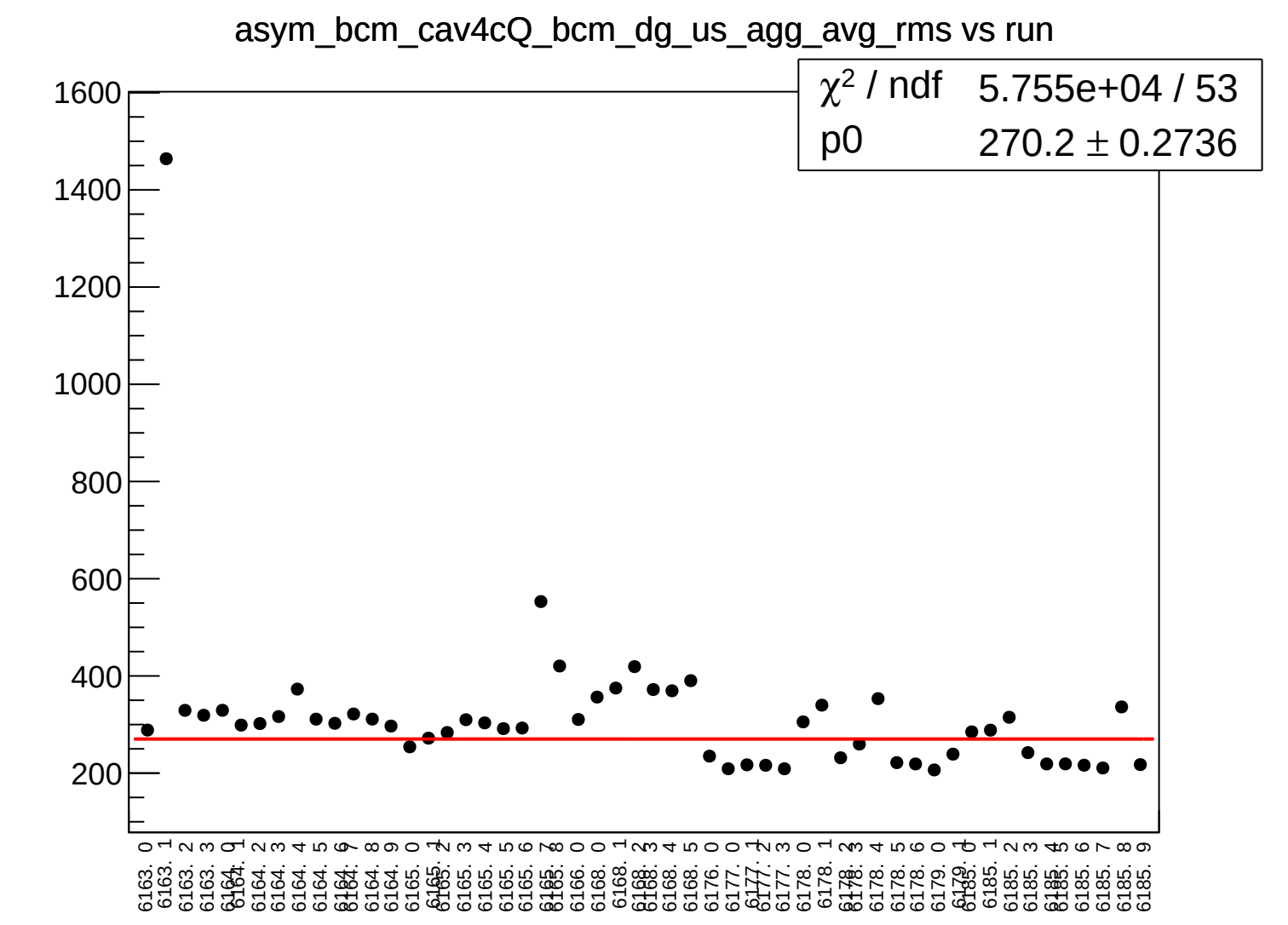

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 5.78e+04 / 53
p0 268.4 ± 0.2718
1400
1200
1000
800
600
400
200
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

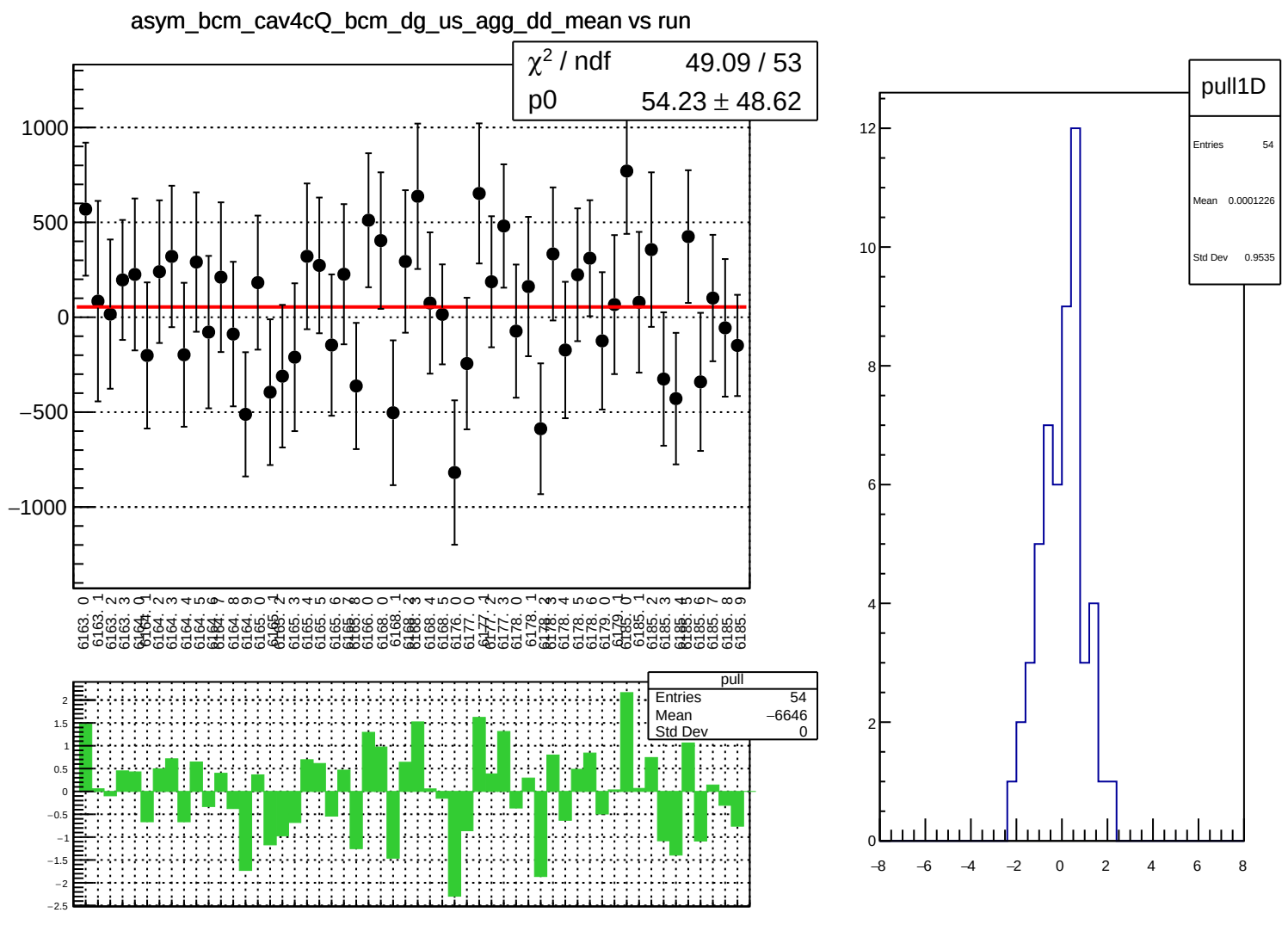

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 42.76 / 53
p0 46.7 ± 40.36
pull
Entries 54
Mean −34.14
Std Dev 0

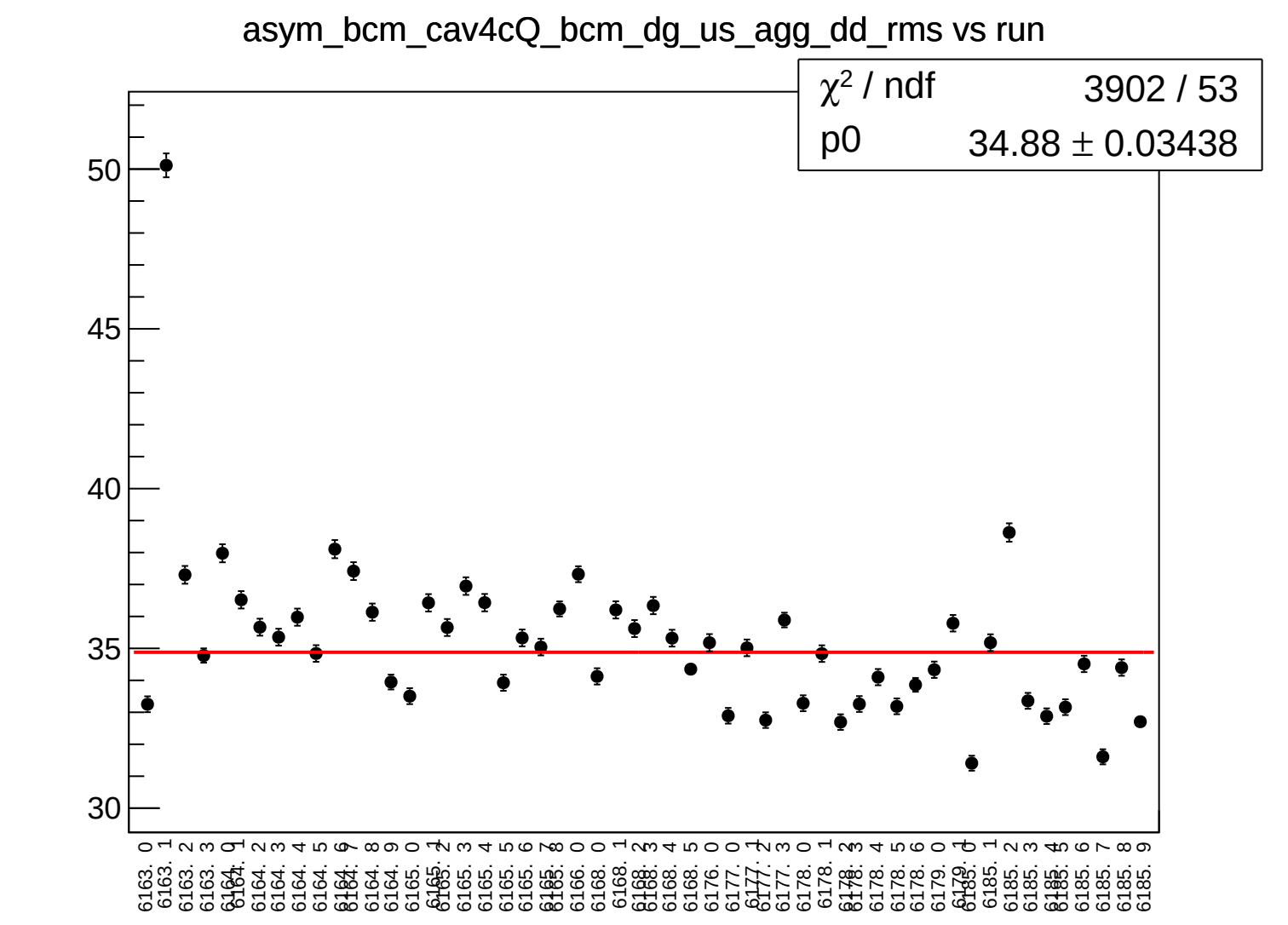

pull1D
Entries 54
Mean −0.01363
Std Dev 0.8897

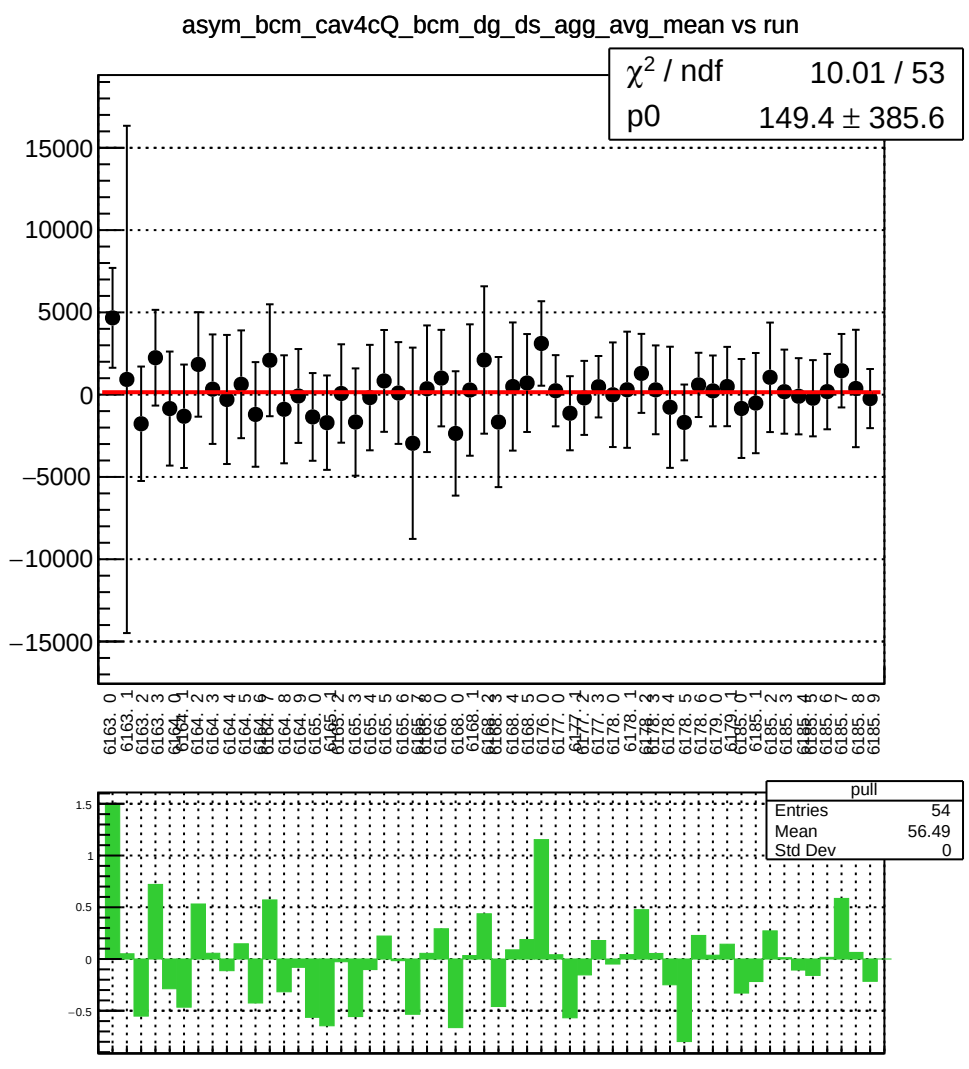

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 9088 / 53
p0 28.88 ± 0.02854
50
45
40
35
30
25
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

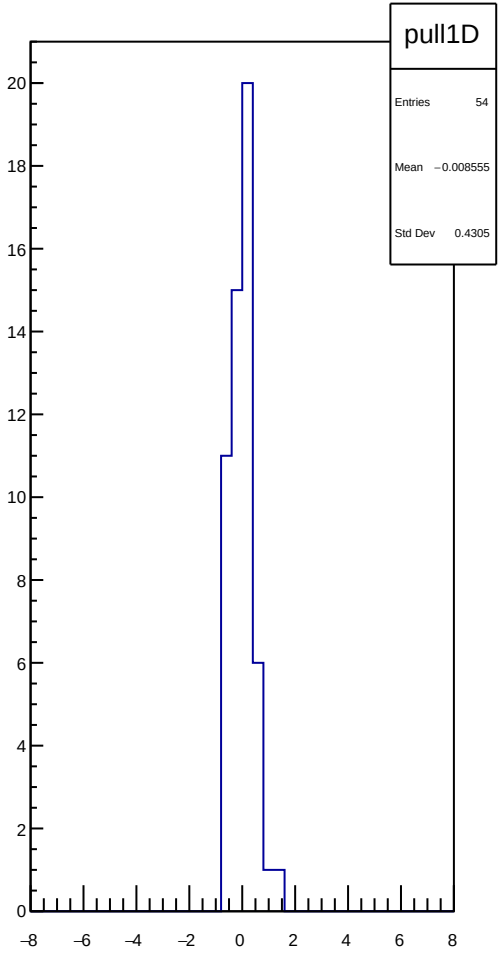

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs run
χ² / ndf 10.81 / 53
p0 153 ± 387
pull
Entries 54
Mean 39.41
Std Dev 0
pull1D
Entries 54
Mean −0.01283
Std Dev 0.4473

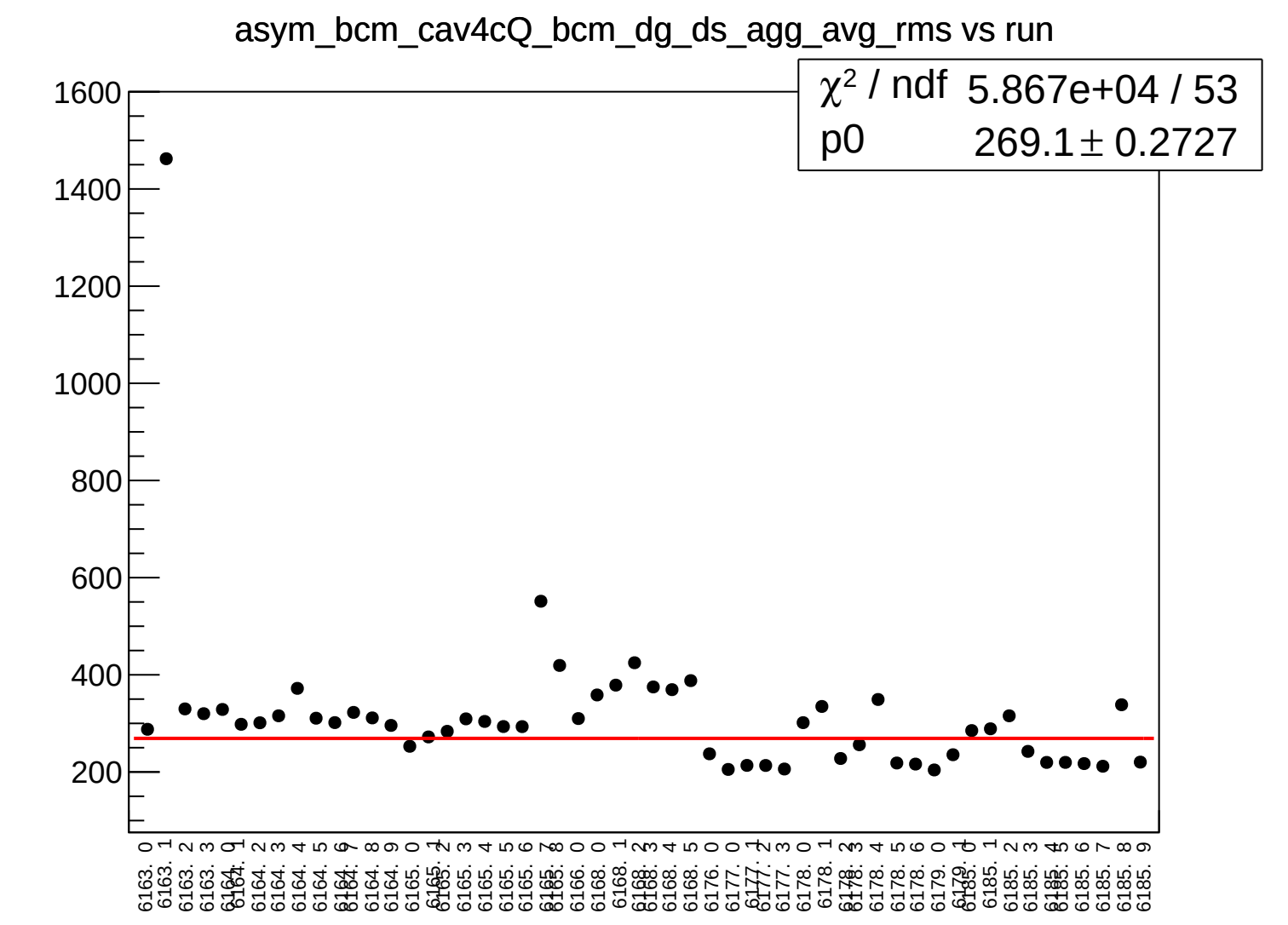

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs run
χ² / ndf 5.755e+04 / 53
p0 270.2 ± 0.2736
1600
1400
1200
1000
800
600
400
200
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

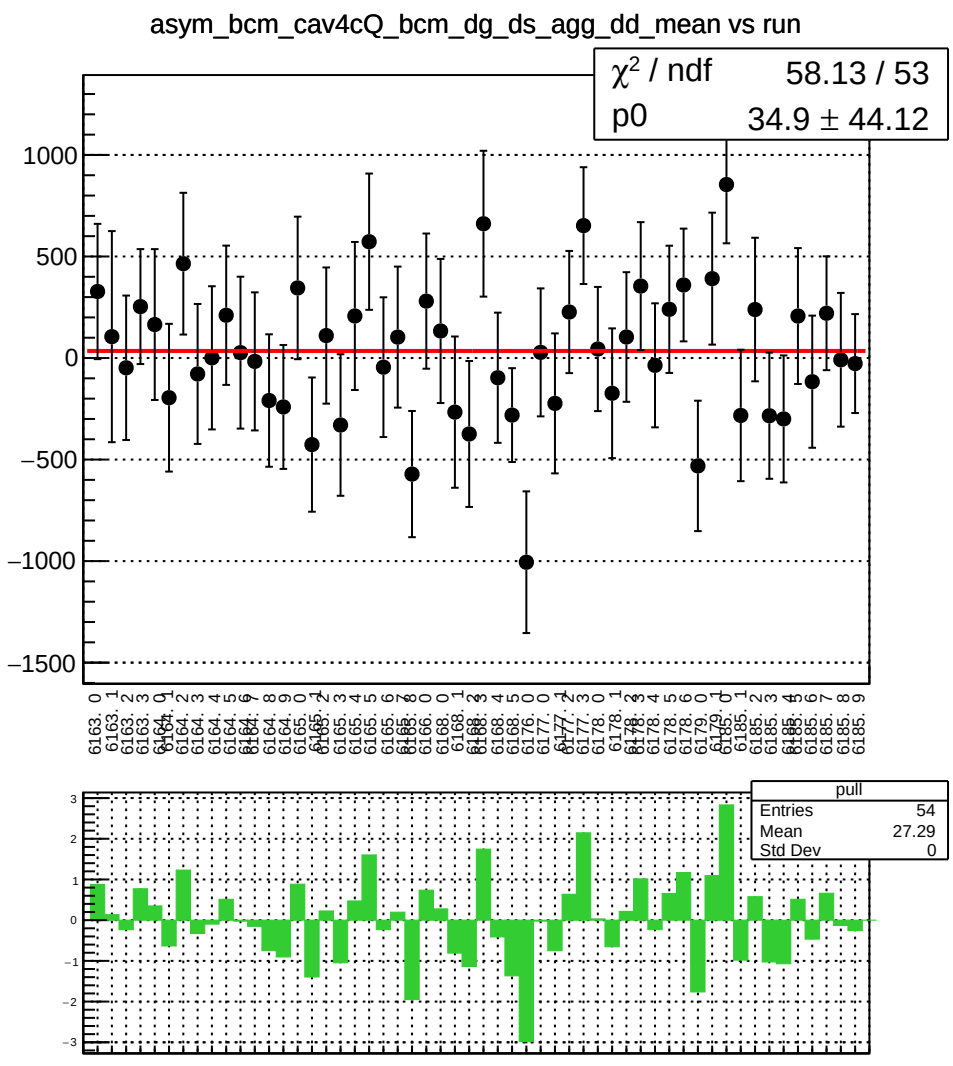

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs run
χ² / ndf 49.09 / 53
p0 54.23 ± 48.62
1000
500
0
−500
−1000
pull
Entries 54
Mean −6646
Std Dev 0
pull1D
Entries 54
Mean 0.0001226
Std Dev 0.9535

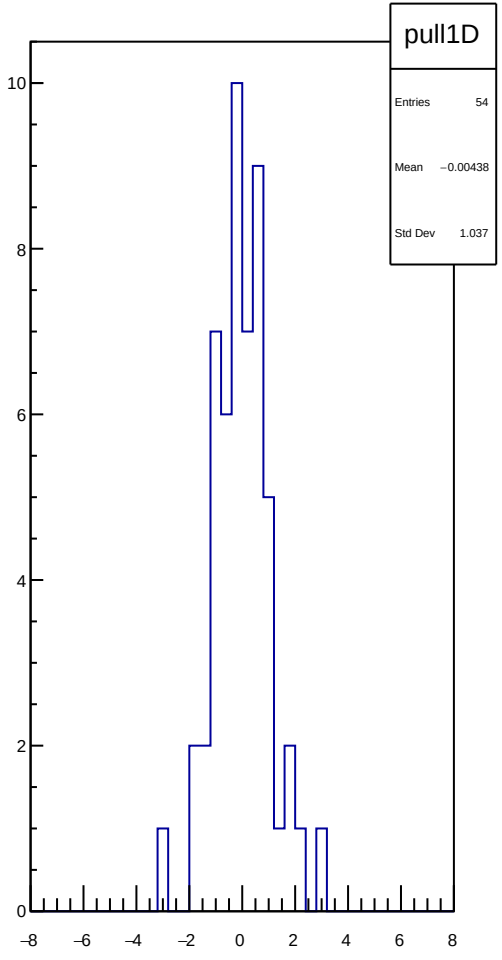

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs run
χ² / ndf 3902 / 53
p0 34.88 ± 0.03438
50
45
40
35
30
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

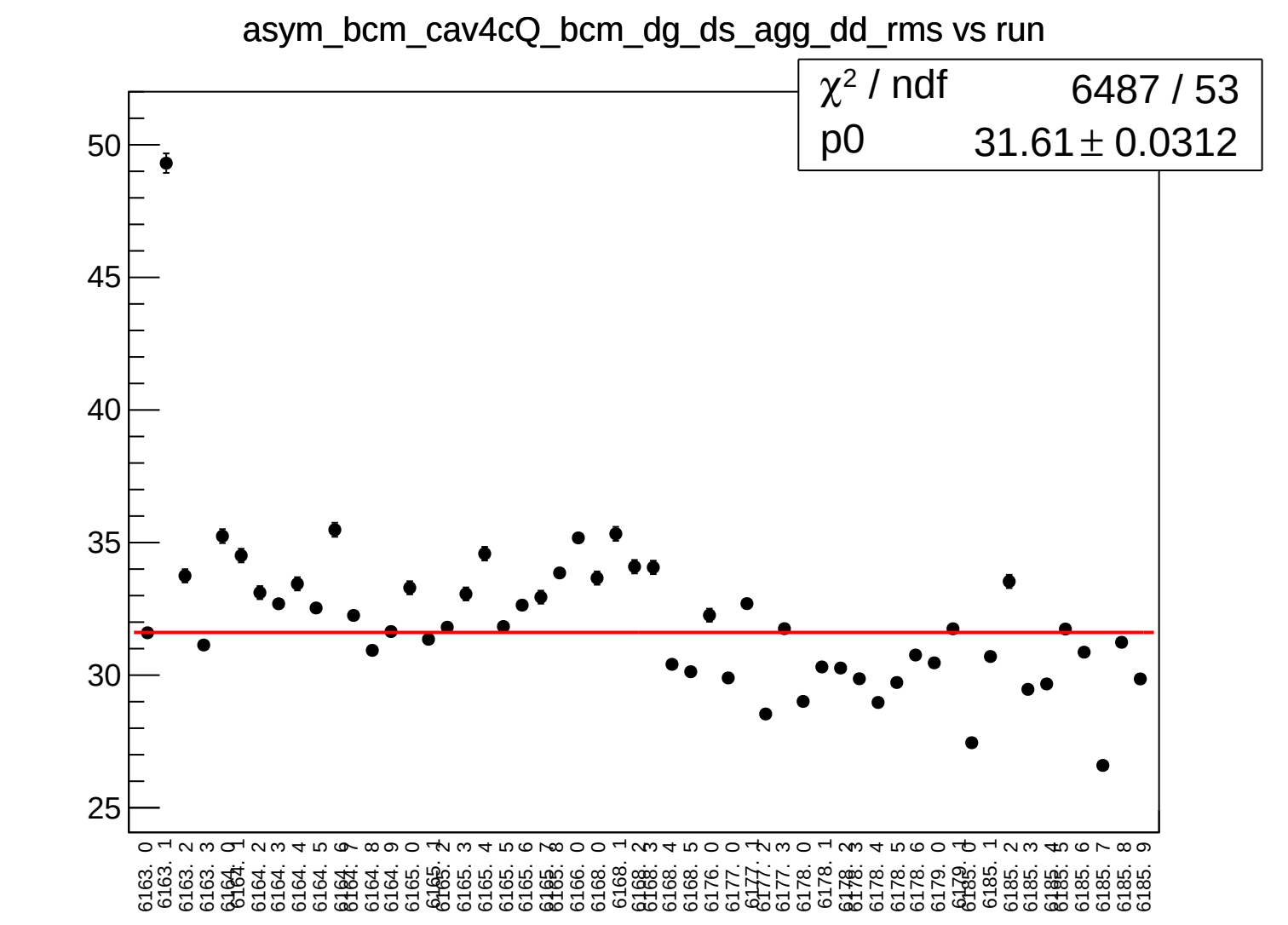

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs run
χ² / ndf 10.01 / 53
p0 149.4 ± 385.6
pull
Entries 54
Mean 56.49
Std Dev 0

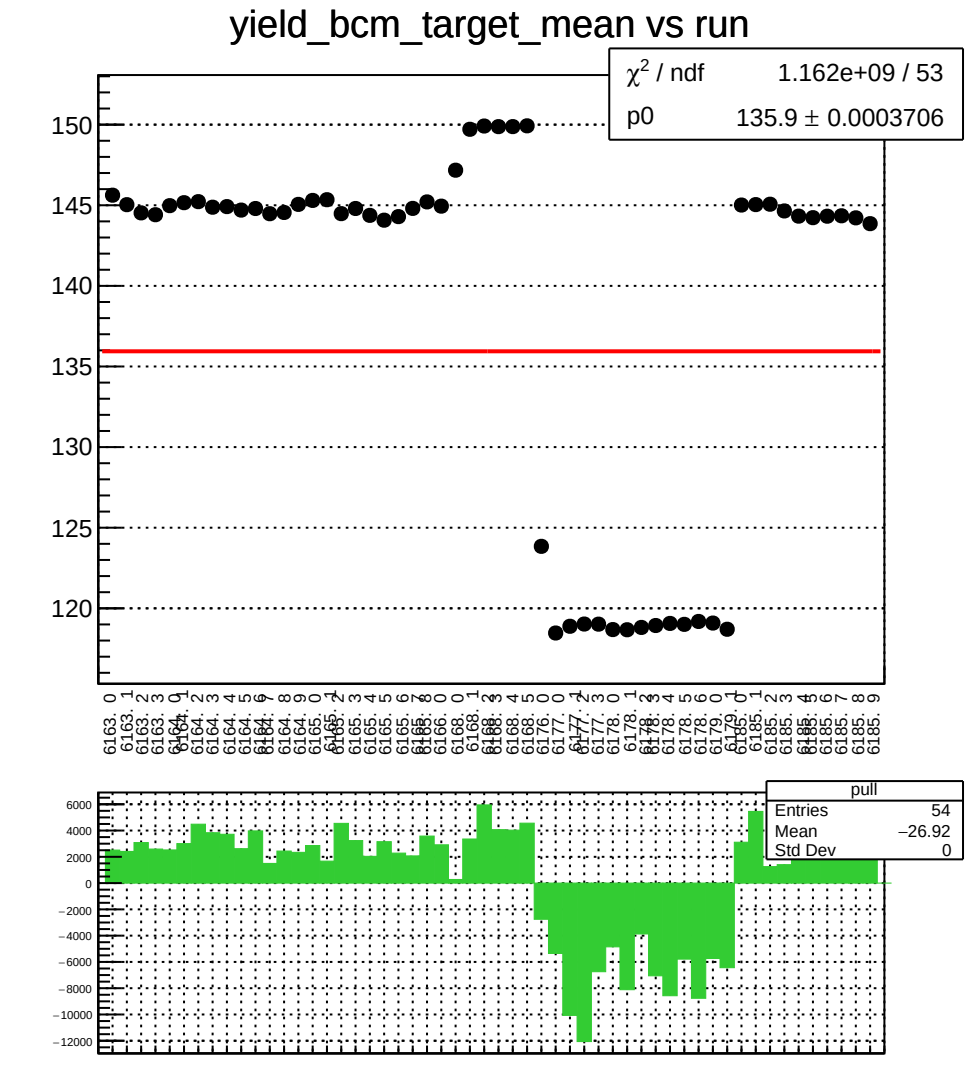

pull1D
Entries 54
Mean −0.008555
Std Dev 0.4305

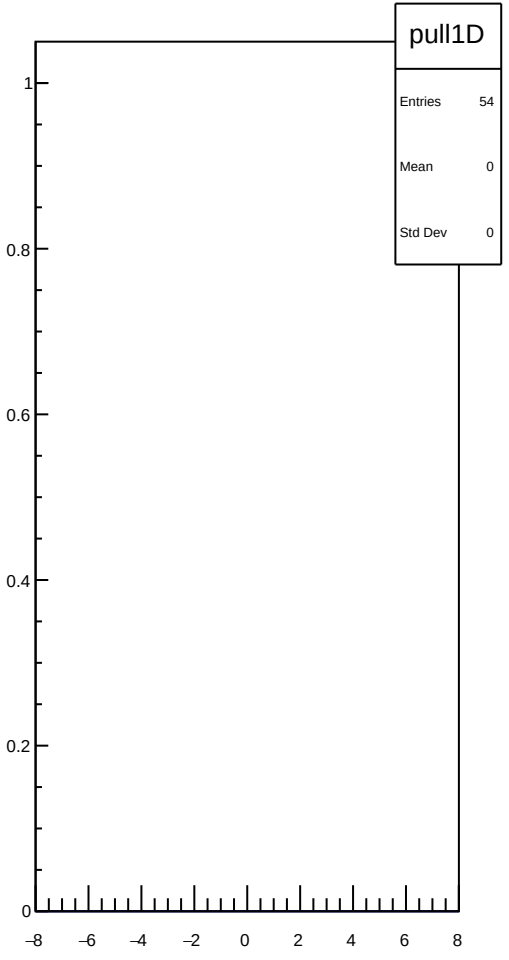

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs run
χ² / ndf 5.867e+04 / 53
p0 269.1 ± 0.2727
1600
1400
1200
1000
800
600
400
200
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

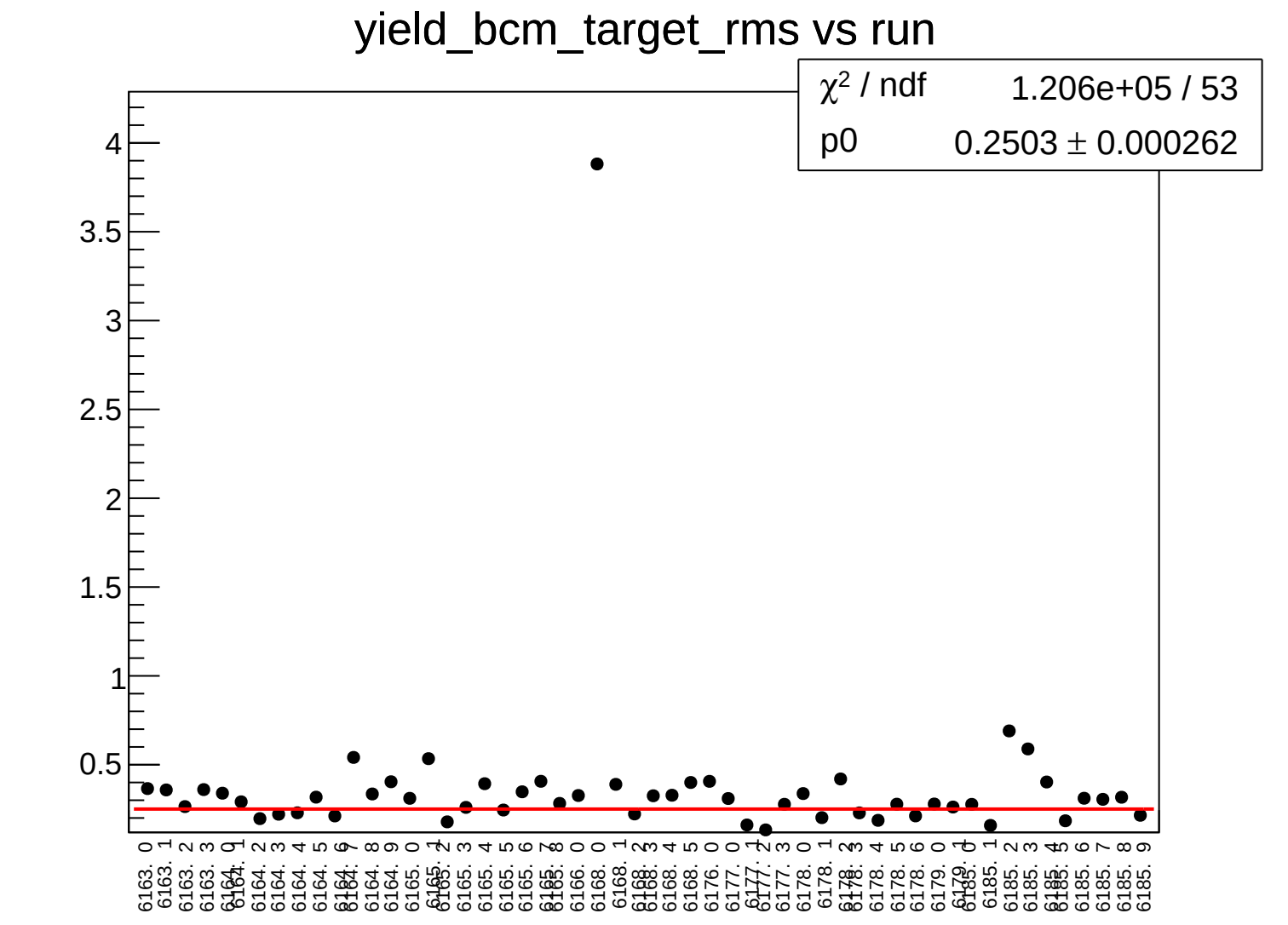

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 58.13 / 53
p0 34.9 ± 44.12
pull
Entries 54
Mean 27.29
Std Dev 0

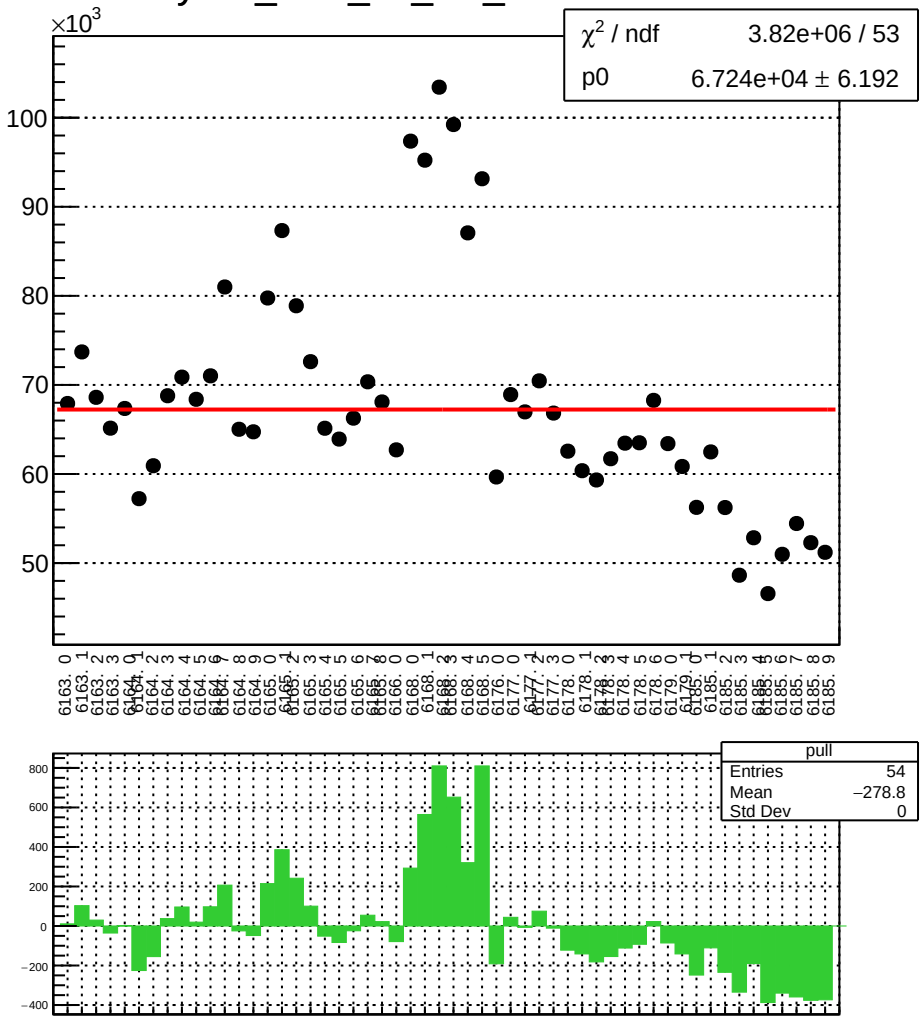

pull1D
Entries 54
Mean −0.00438
Std Dev 1.037

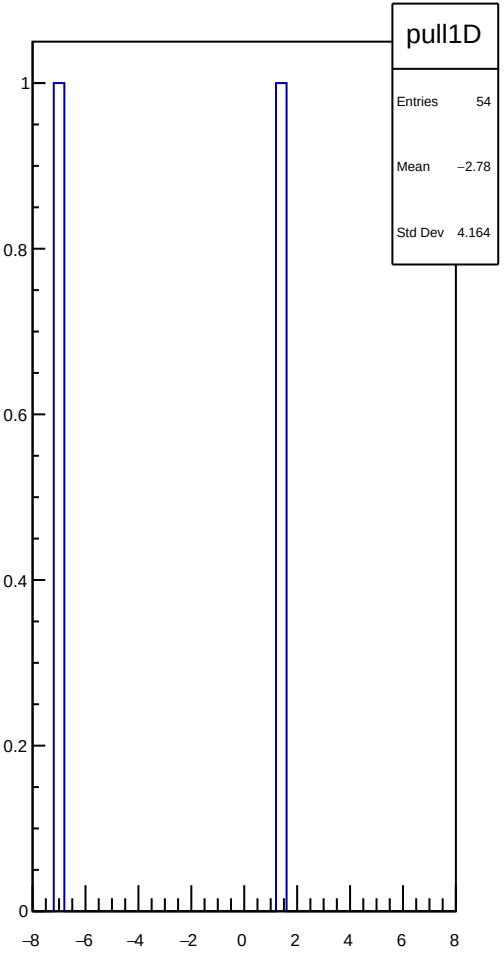

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 6487 / 53
p0 31.61 ± 0.0312
50
45
40
35
30
25
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

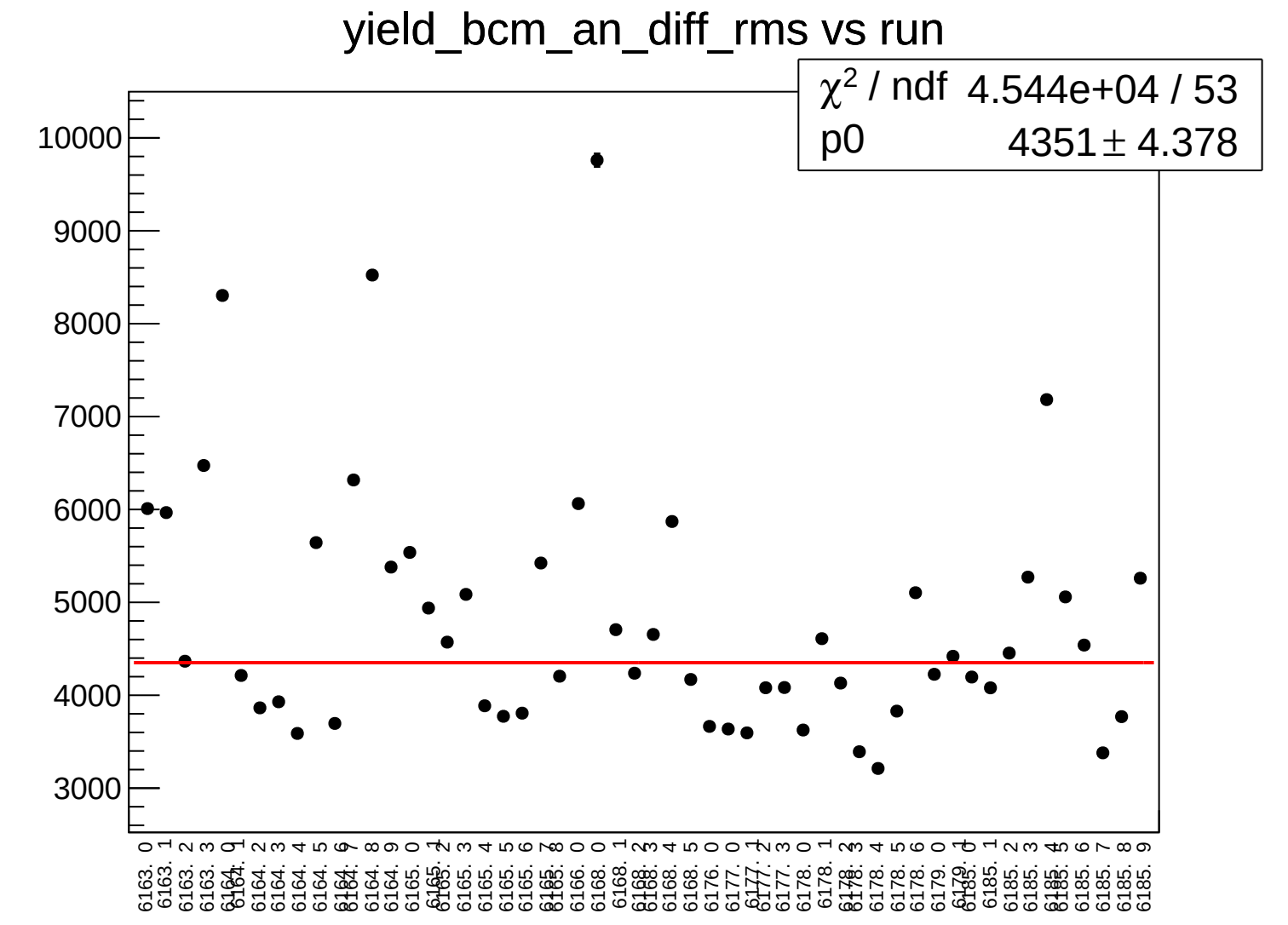

yield_bcm_target_mean vs run
χ² / ndf 1.162e+09 / 53
p0 135.9 ± 0.0003706
150
145
140
135
130
125
120
pull
Entries 54
Mean −26.92
Std Dev 0
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000

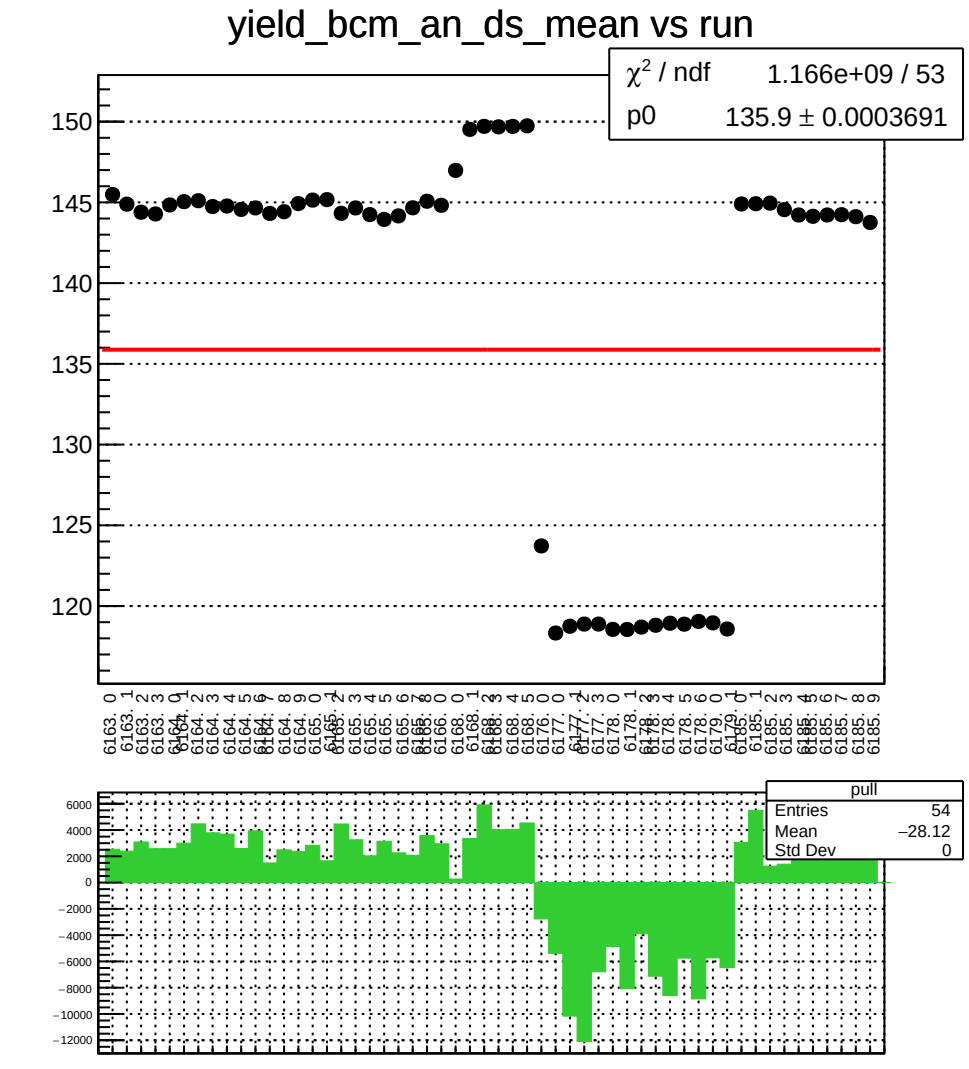

pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

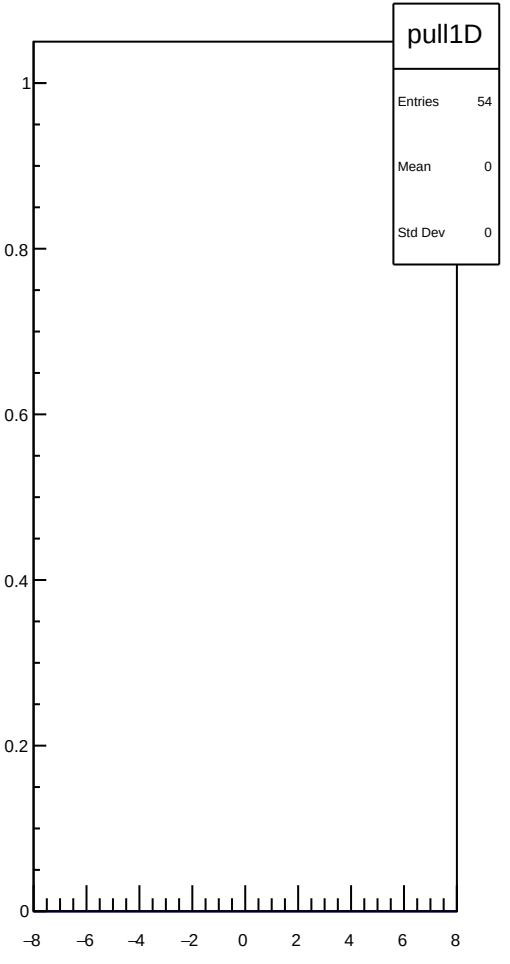

yield_bcm_target_rms vs run
χ² / ndf 1.206e+05 / 53
p0 0.2503 ± 0.000262
4
3.5
3
2.5
2
1.5
1
0.5
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

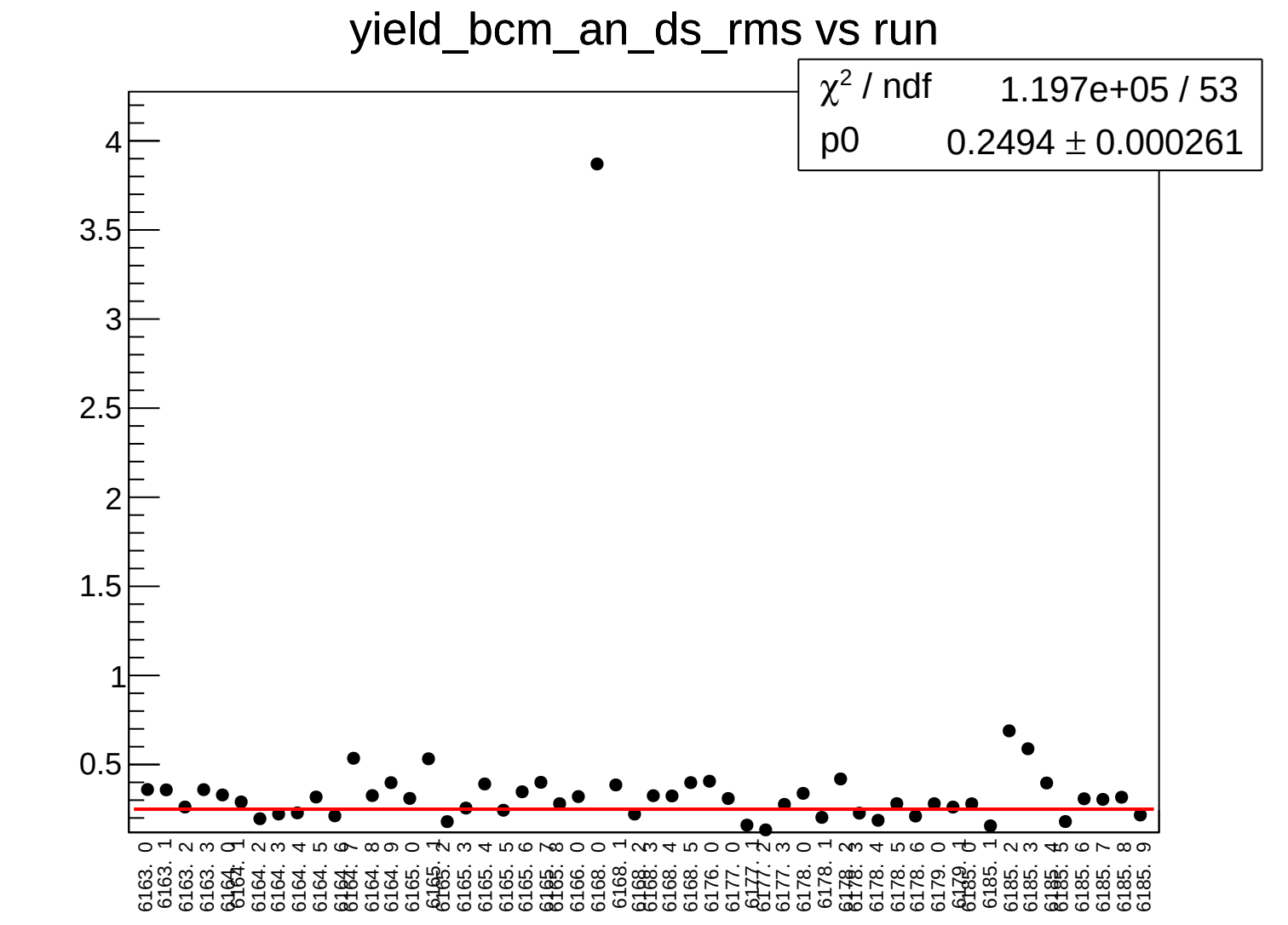

yield_bcm_an_diff_mean vs run
×10^3
χ² / ndf 3.82e+06 / 53
p0 6.724e+04 ± 6.192
100
90
80
70
60
50
pull
Entries 54
Mean −278.8
Std Dev 0
800
600
400
200
0
−200
−400

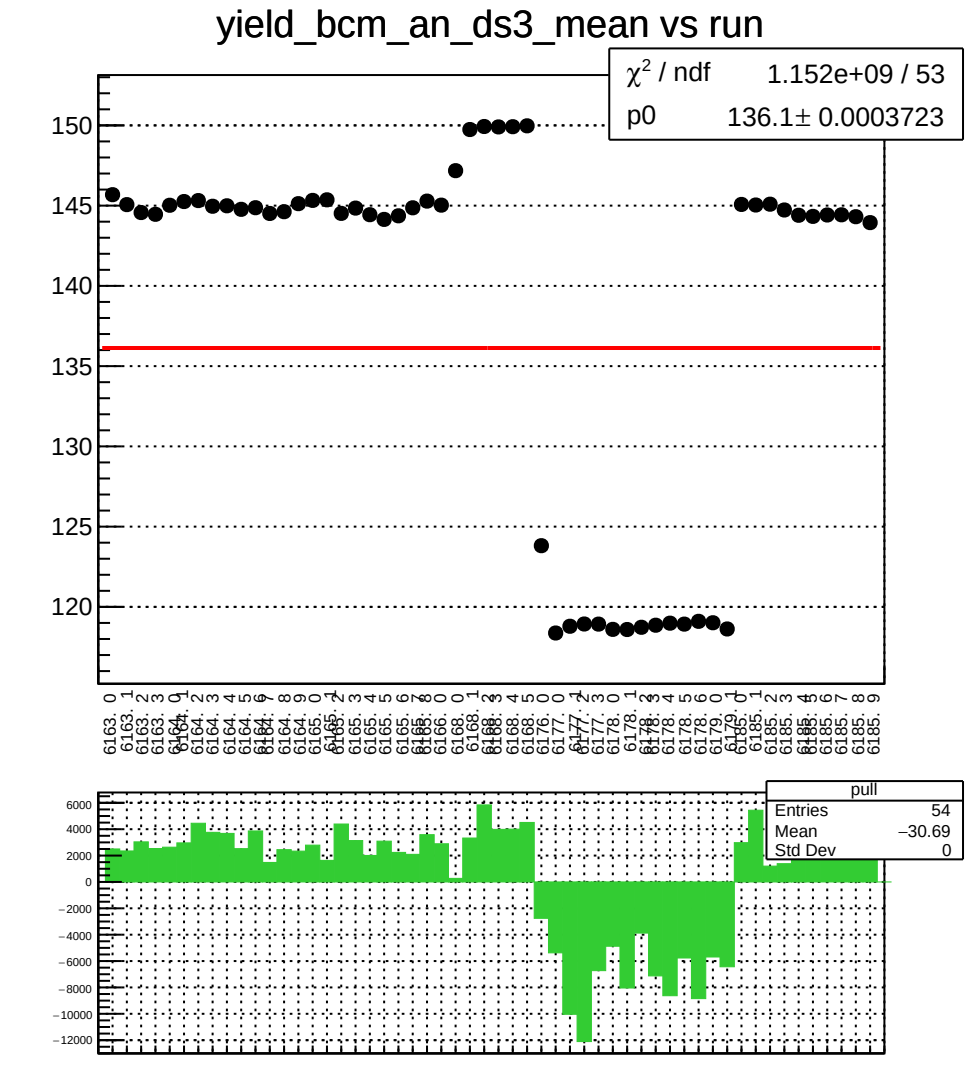

pull1D
Entries 54
Mean −2.78
Std Dev 4.164
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

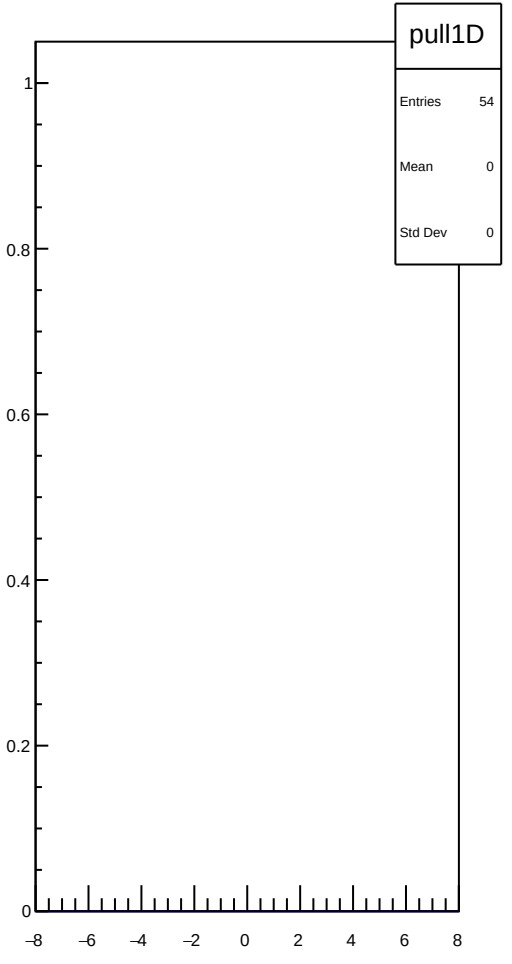

yield_bcm_an_diff_rms vs run
χ^2 / ndf 4.544e+04 / 53
p0 4351 ± 4.378
10000
9000
8000
7000
6000
5000
4000
3000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

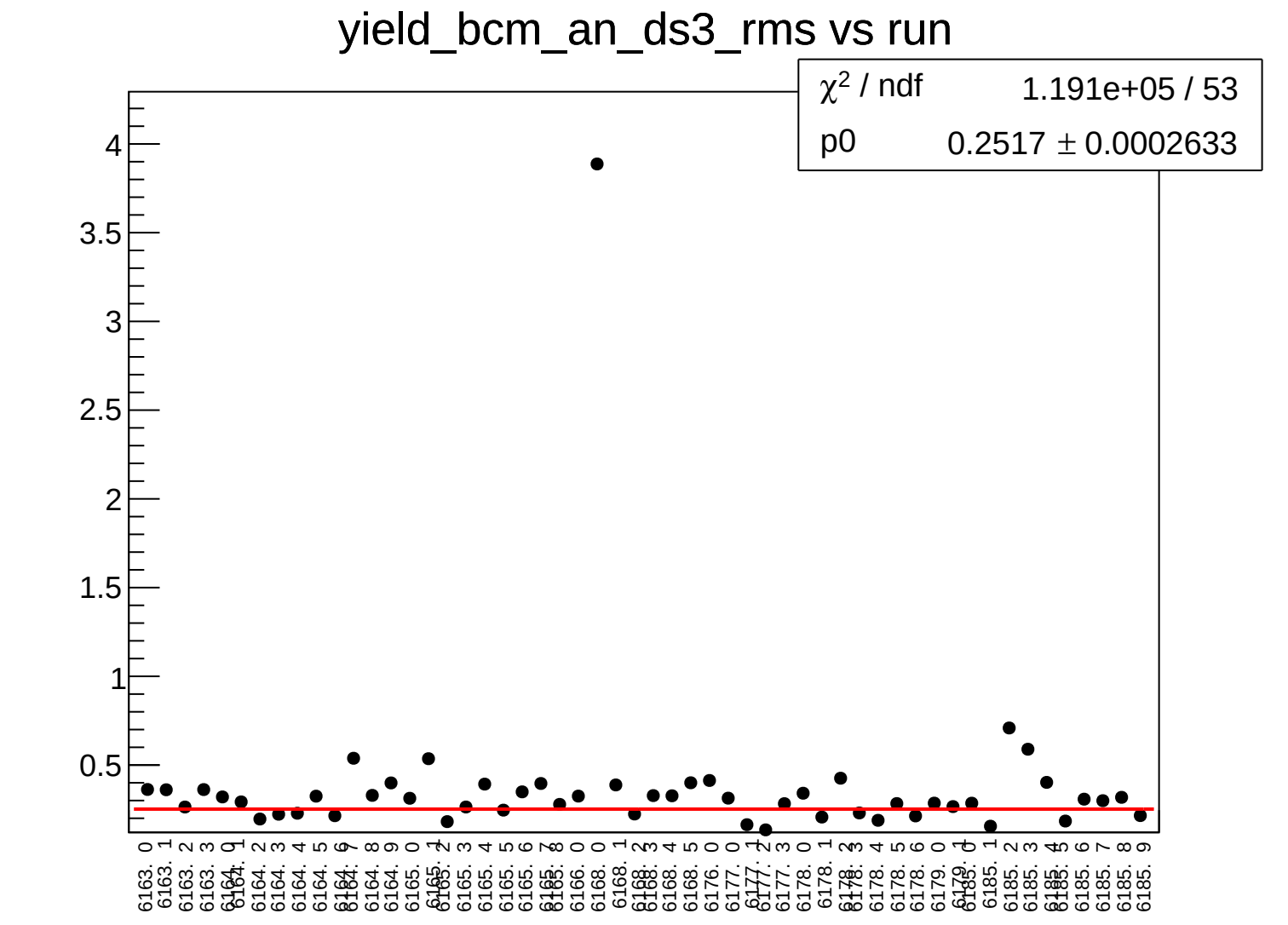

yield_bcm_an_ds_mean vs run
χ² / ndf 1.166e+09 / 53
p0 135.9 ± 0.0003691
150
145
140
135
130
125
120
pull
Entries 54
Mean −28.12
Std Dev 0
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000

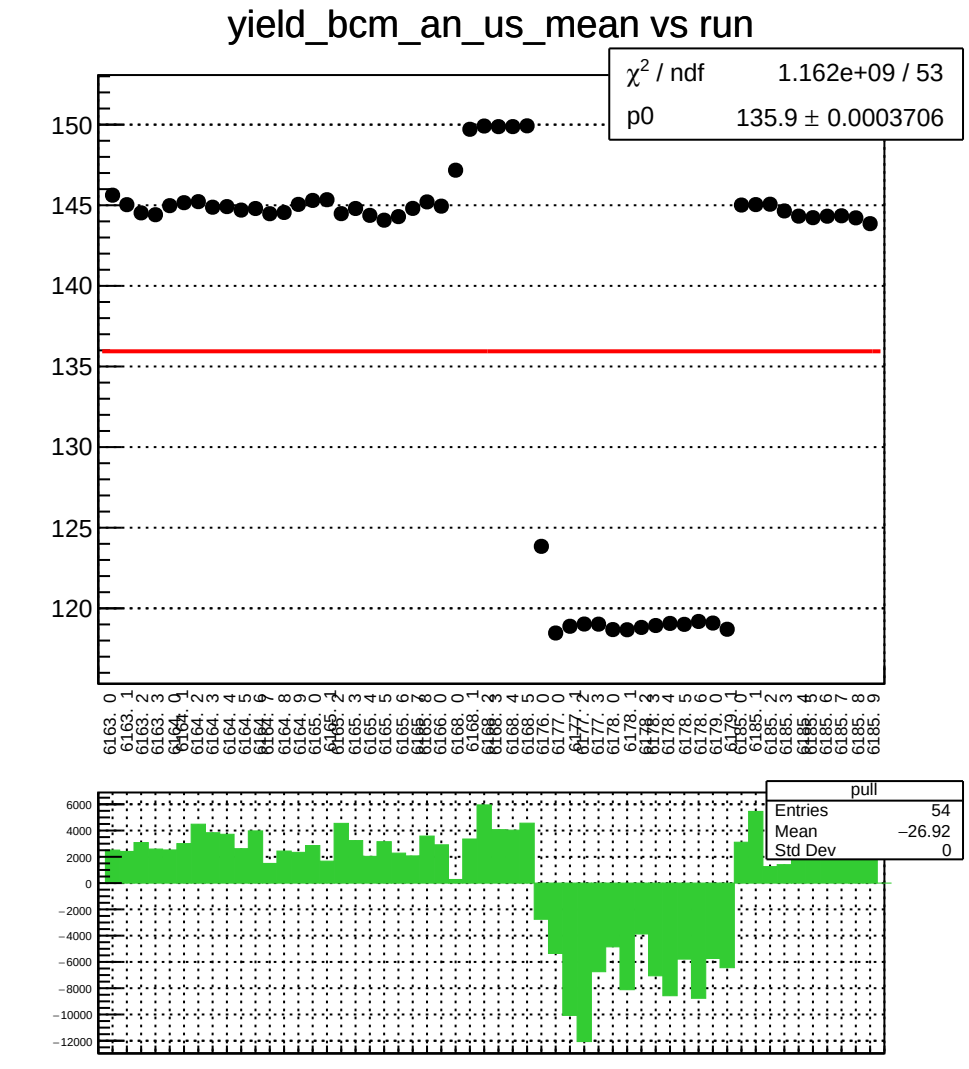

pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

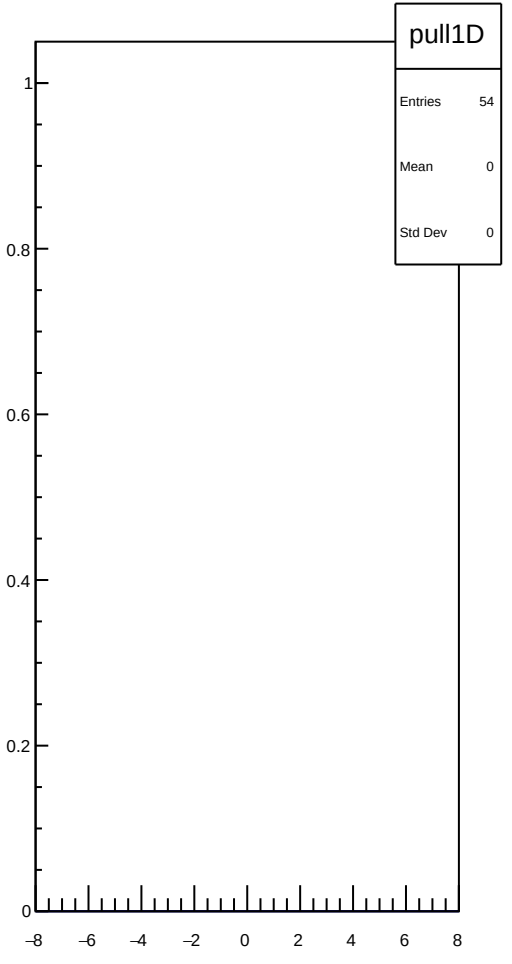

yield_bcm_an_ds_rms vs run
χ^2 / ndf 1.197e+05 / 53
p0 0.2494 ± 0.000261
4
3.5
3
2.5
2
1.5
1
0.5
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

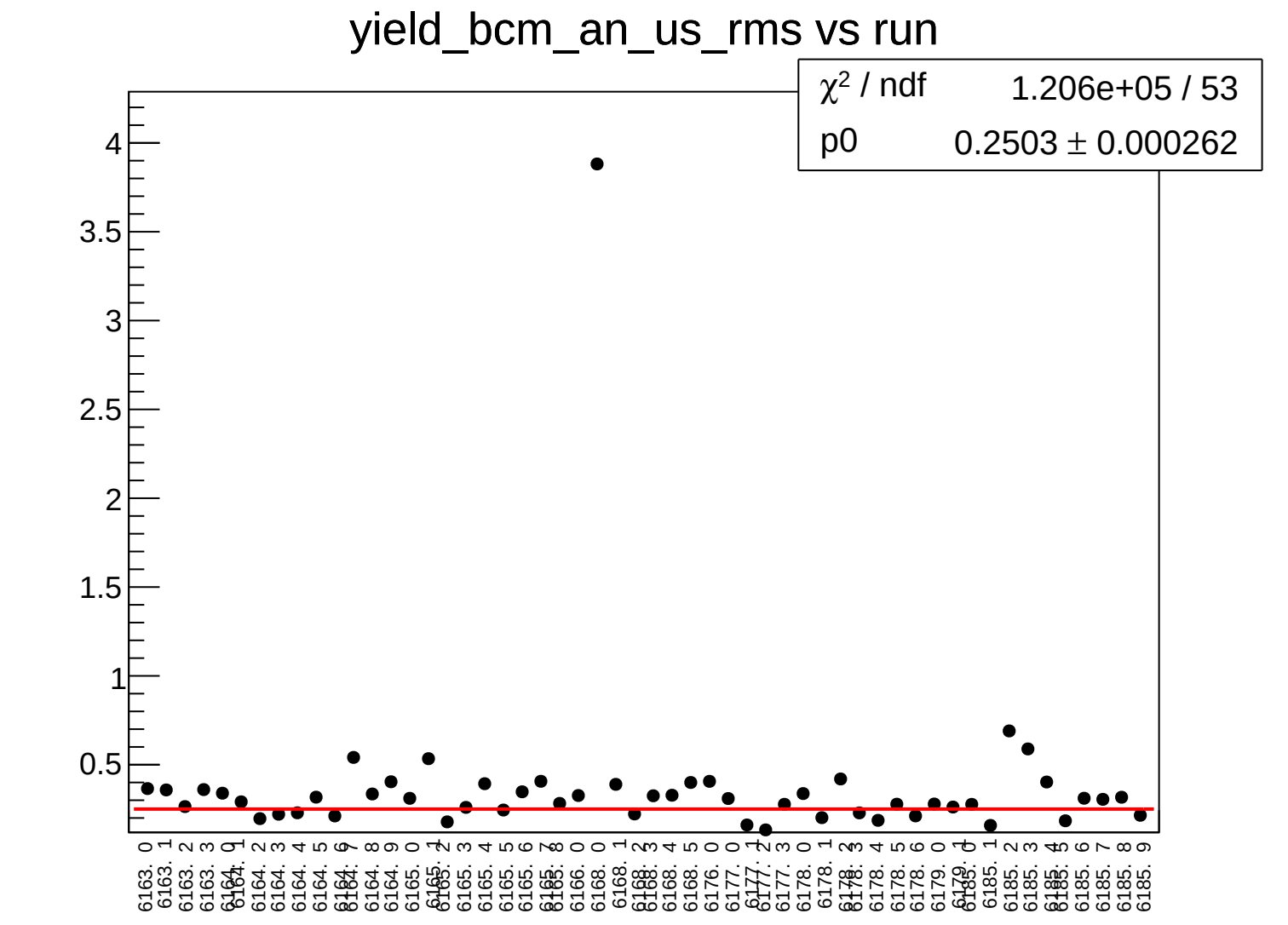

yield_bcm_an_ds3_mean vs run
χ² / ndf 1.152e+09 / 53
p0 136.1± 0.0003723
150
145
140
135
130
125
120
pull
Entries 54
Mean −30.69
Std Dev 0
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000

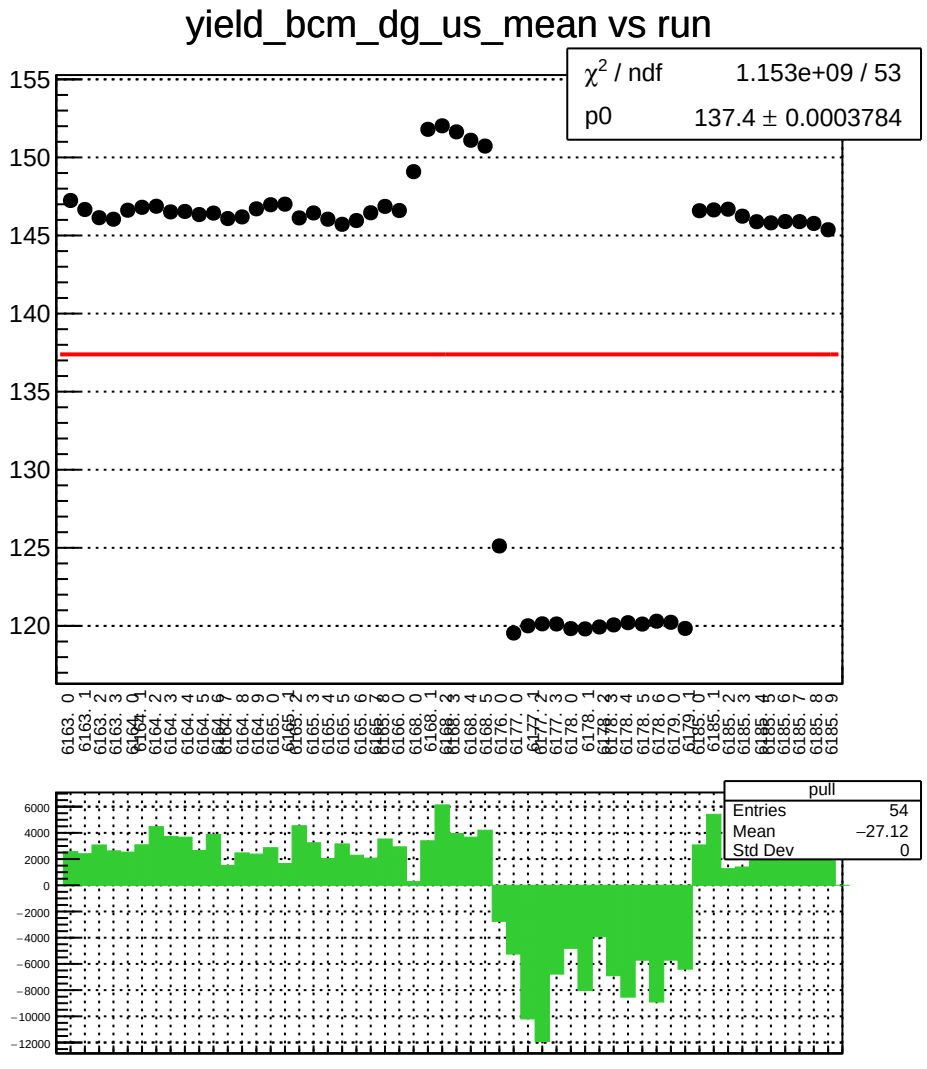

pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

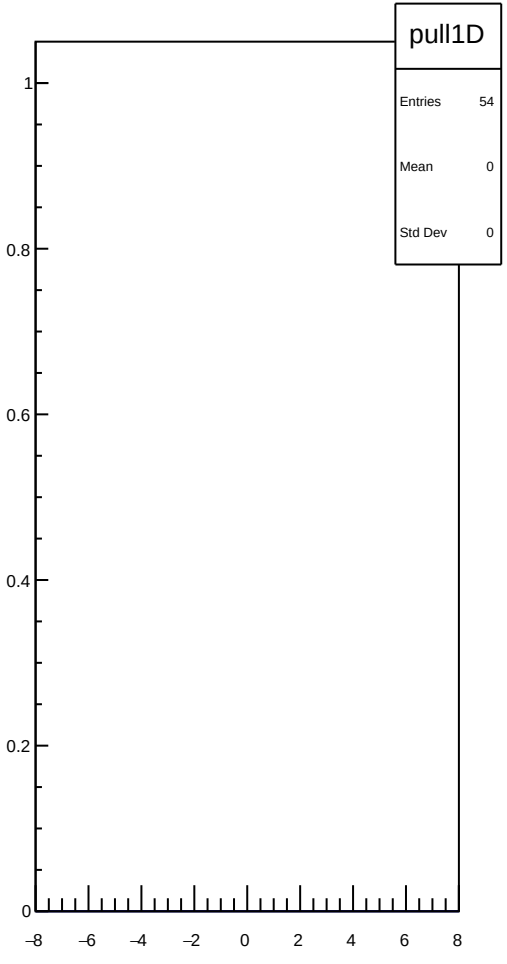

yield_bcm_an_ds3_rms vs run
χ² / ndf 1.191e+05 / 53
p0 0.2517 ± 0.0002633
4
3.5
3
2.5
2
1.5
1
0.5
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

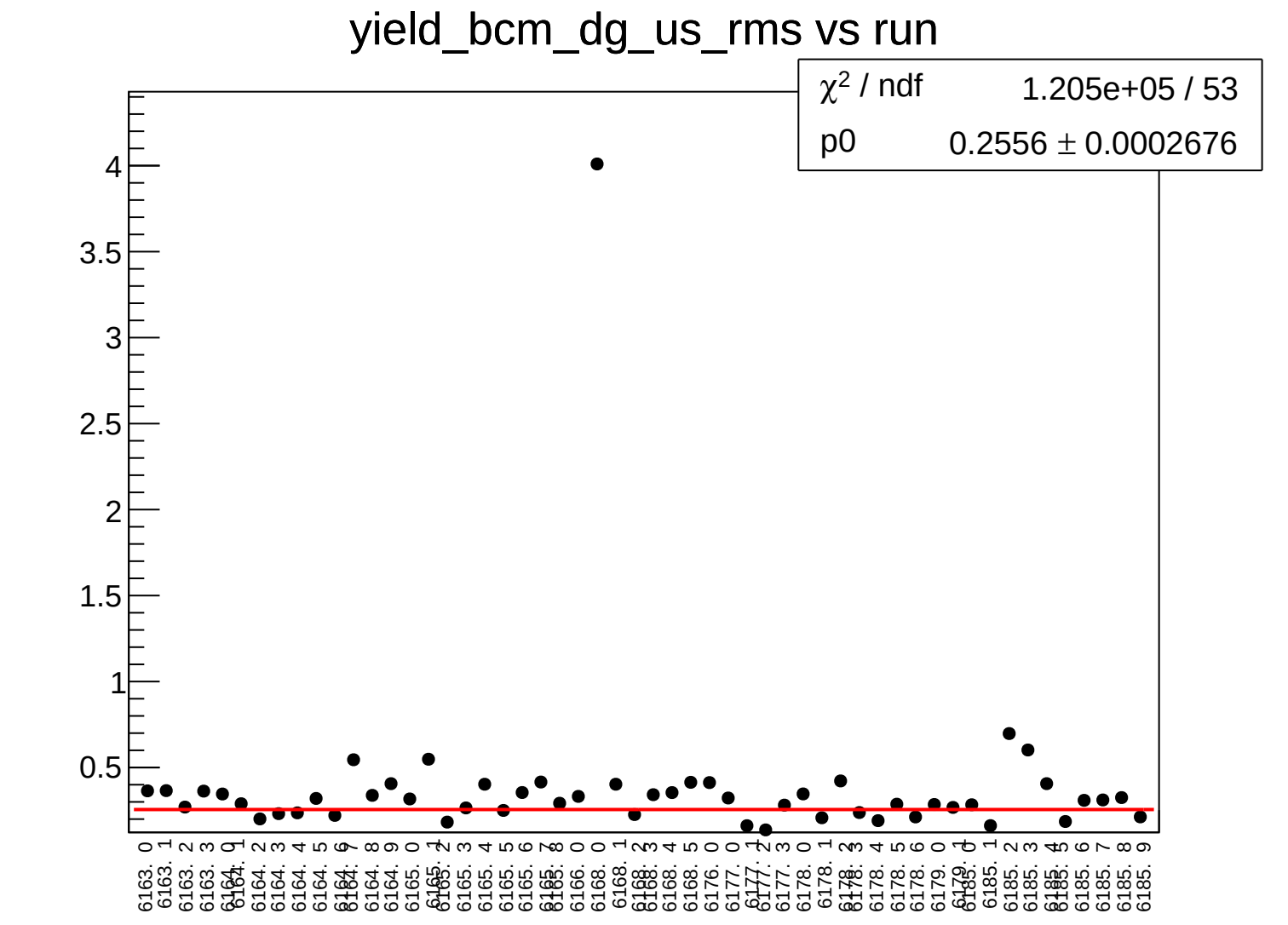

yield_bcm_an_us_mean vs run
χ² / ndf 1.162e+09 / 53
p0 135.9 ± 0.0003706
150
145
140
135
130
125
120
pull
Entries 54
Mean −26.92
Std Dev 0
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000

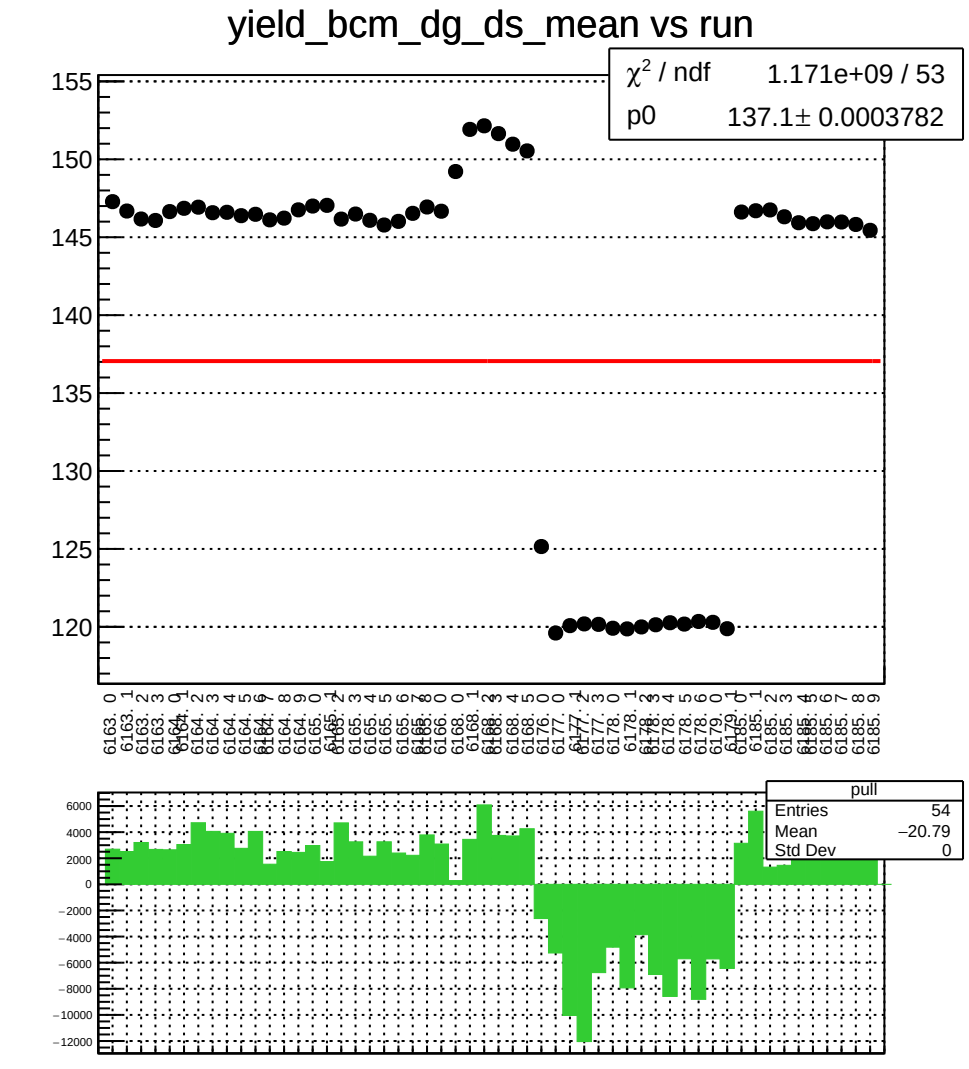

pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

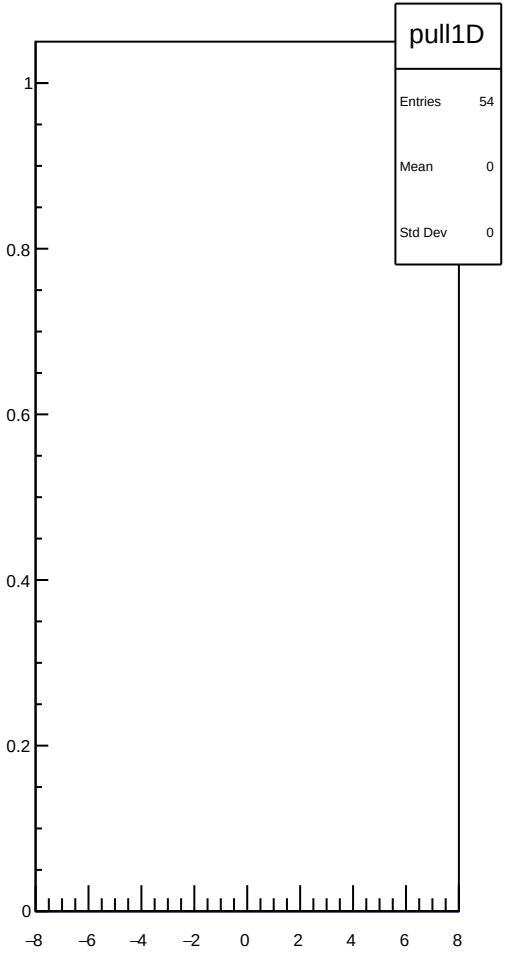

yield_bcm_an_us_rms vs run
χ² / ndf 1.206e+05 / 53
p0 0.2503 ± 0.000262
4
3.5
3
2.5
2
1.5
1
0.5
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 5
6185. 6
6185. 7
6185. 8
6185. 9

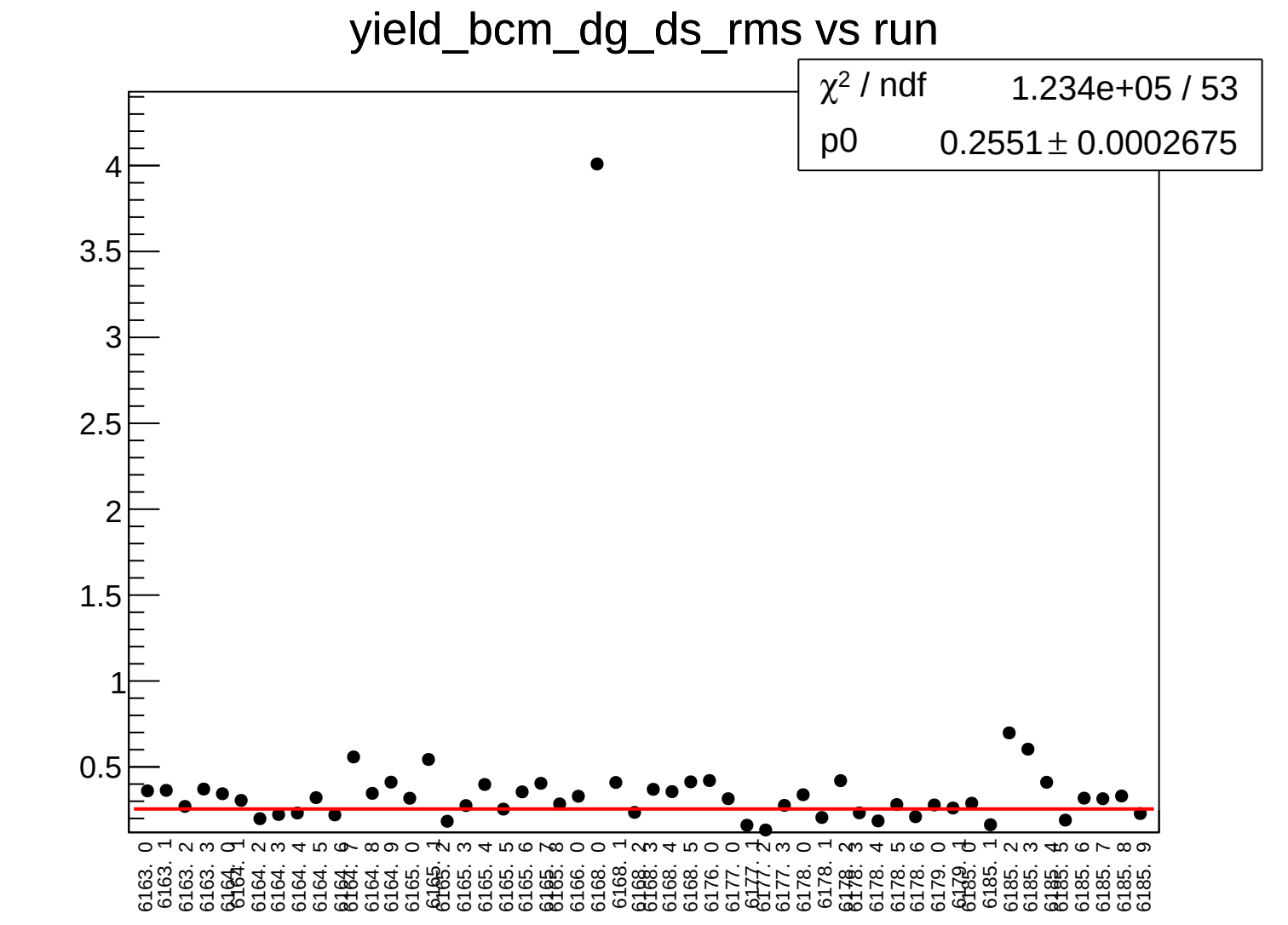

yield_bcm_dg_us_mean vs run
χ² / ndf 1.153e+09 / 53
p0 137.4 ± 0.0003784
155
150
145
140
135
130
125
120
pull
Entries 54
Mean −27.12
Std Dev 0
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000

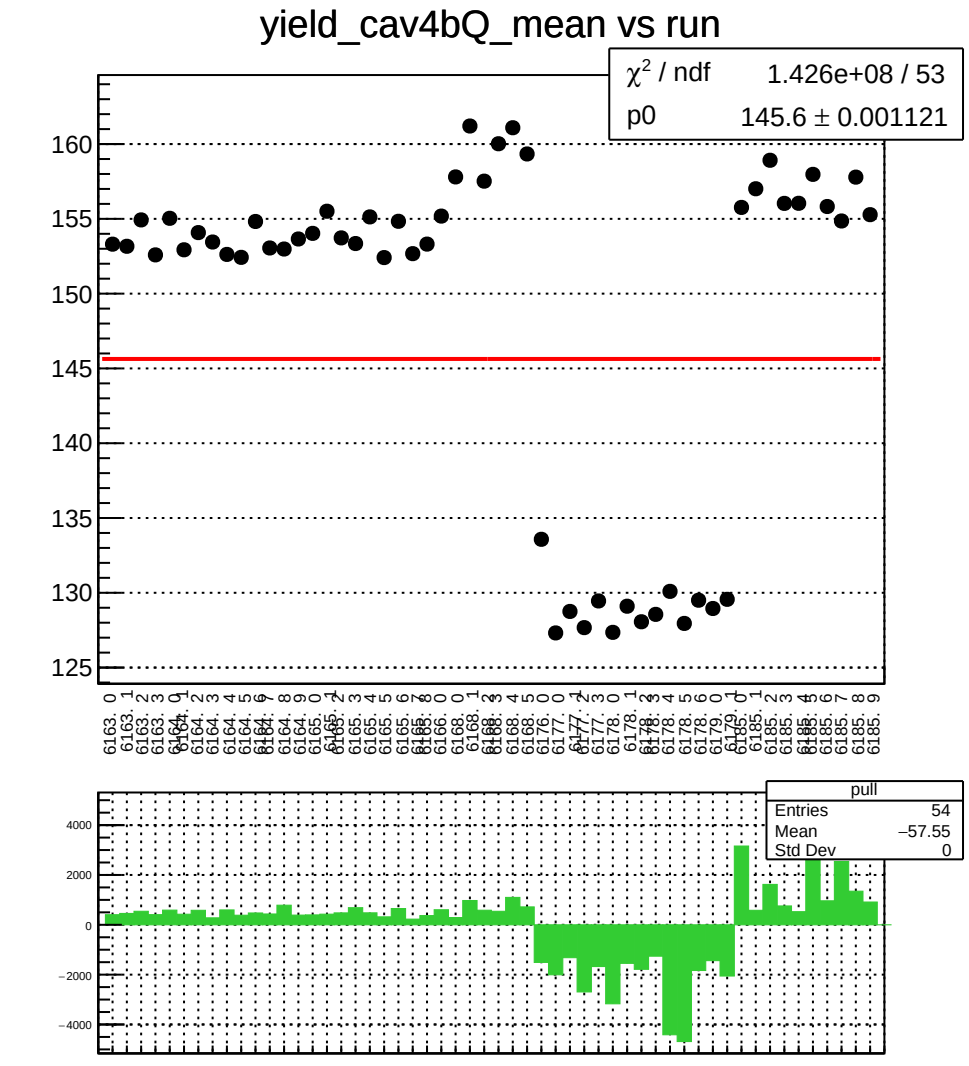

pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

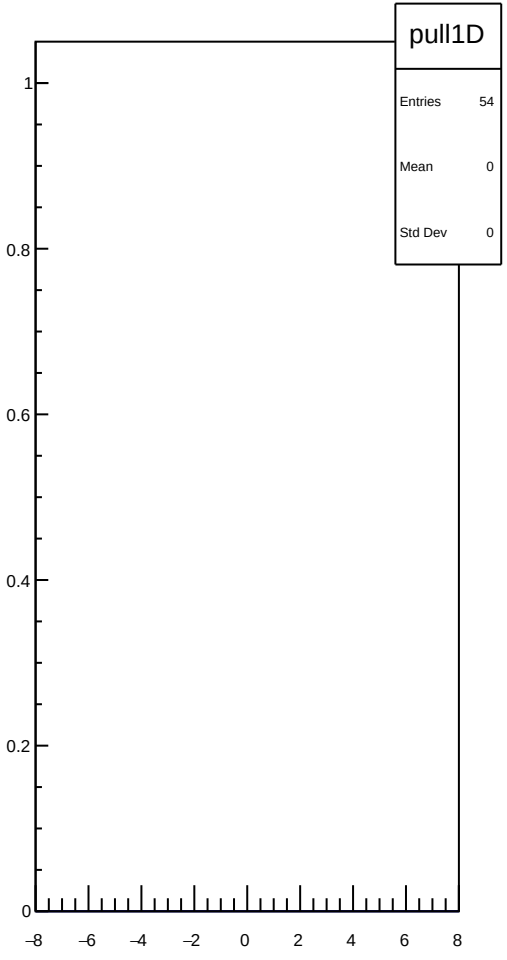

yield_bcm_dg_us_rms vs run
χ² / ndf 1.205e+05 / 53
p0 0.2556 ± 0.0002676
4
3.5
3
2.5
2
1.5
1
0.5
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 5
6185. 6
6185. 7
6185. 8
6185. 9

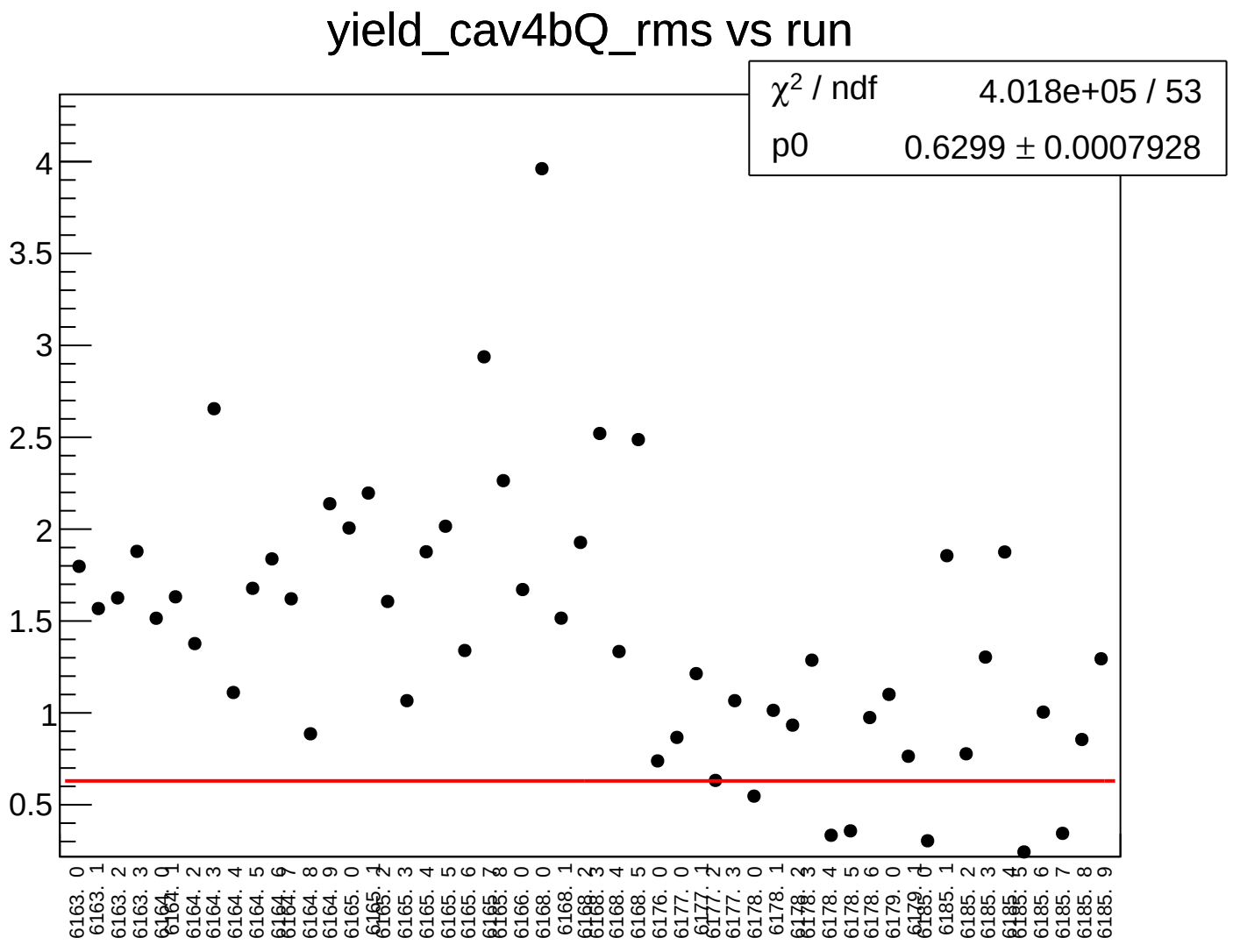

yield_bcm_dg_ds_mean vs run
χ² / ndf 1.171e+09 / 53
p0 137.1± 0.0003782
pull
Entries 54
Mean −20.79
Std Dev 0

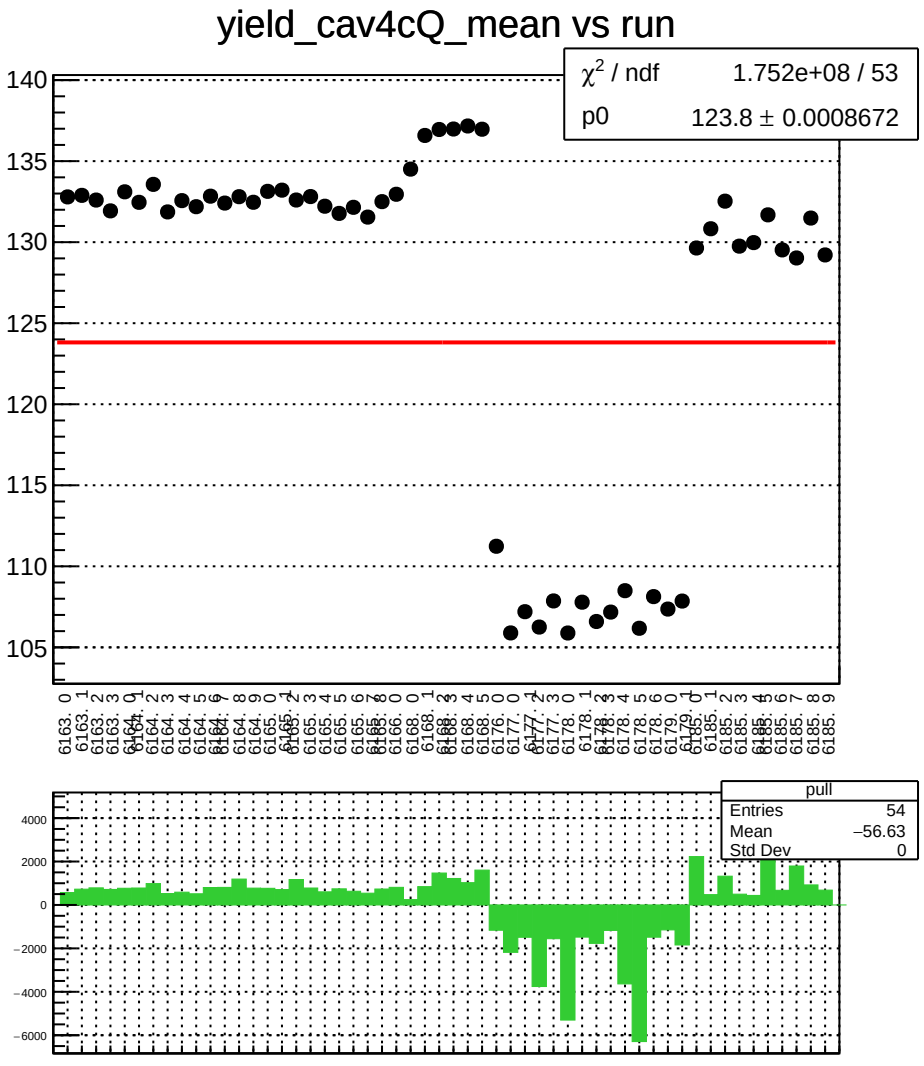

pull1D
Entries 54
Mean 0
Std Dev 0

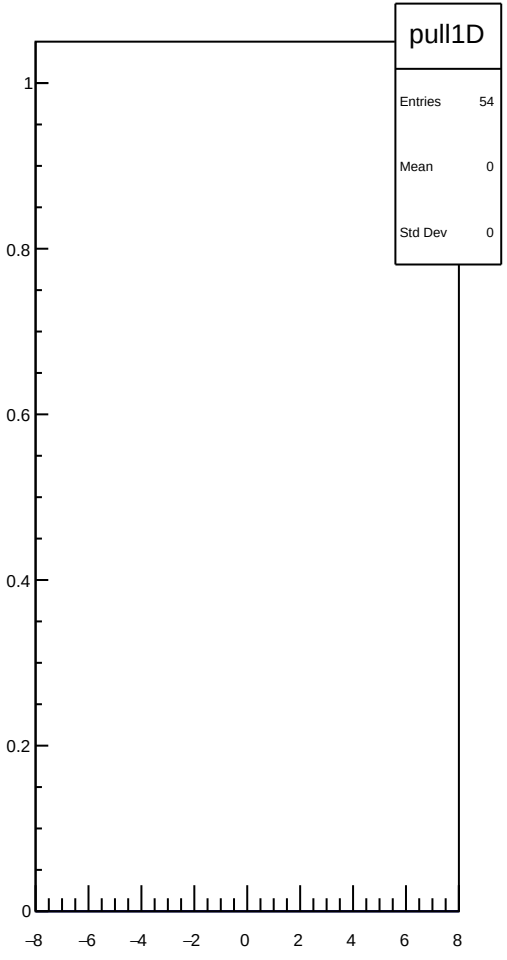

yield_bcm_dg_ds_rms vs run
χ² / ndf 1.234e+05 / 53
p0 0.2551 ± 0.0002675
4
3.5
3
2.5
2
1.5
1
0.5
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

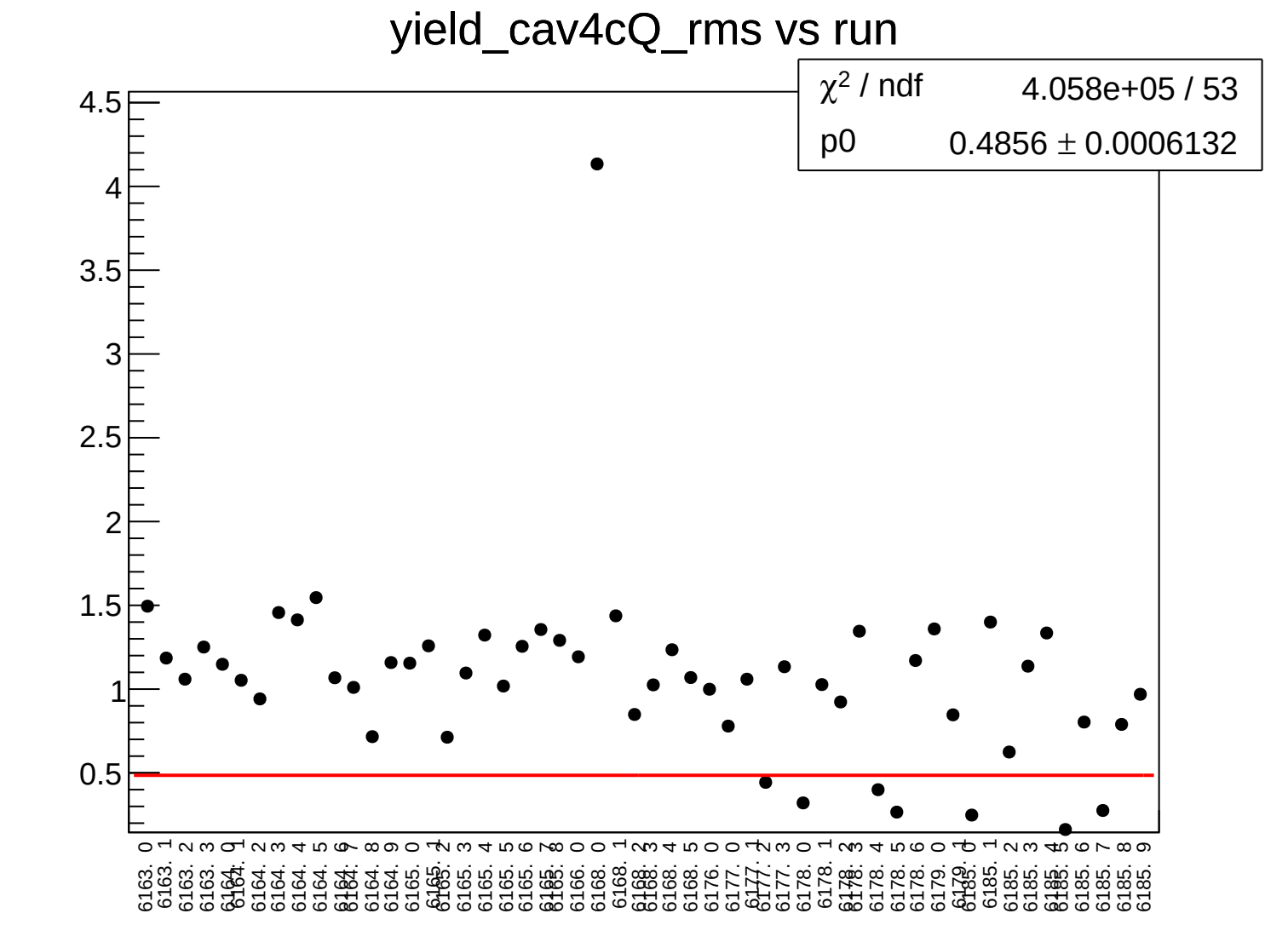

yield_cav4bQ_mean vs run
χ² / ndf 1.426e+08 / 53
p0 145.6 ± 0.001121
160
155
150
145
140
135
130
125
pull
Entries 54
Mean −57.55
Std Dev 0
4000
2000
0
−2000
−4000

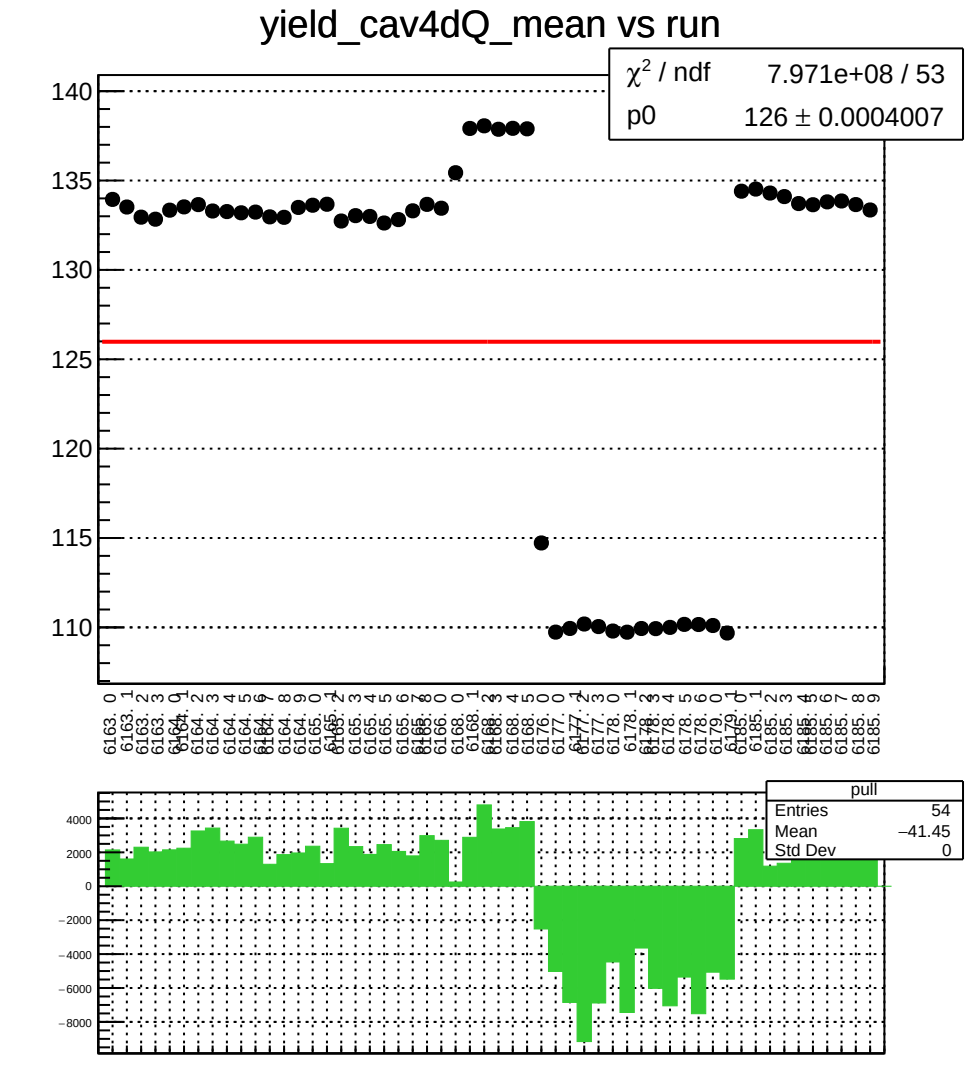

pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

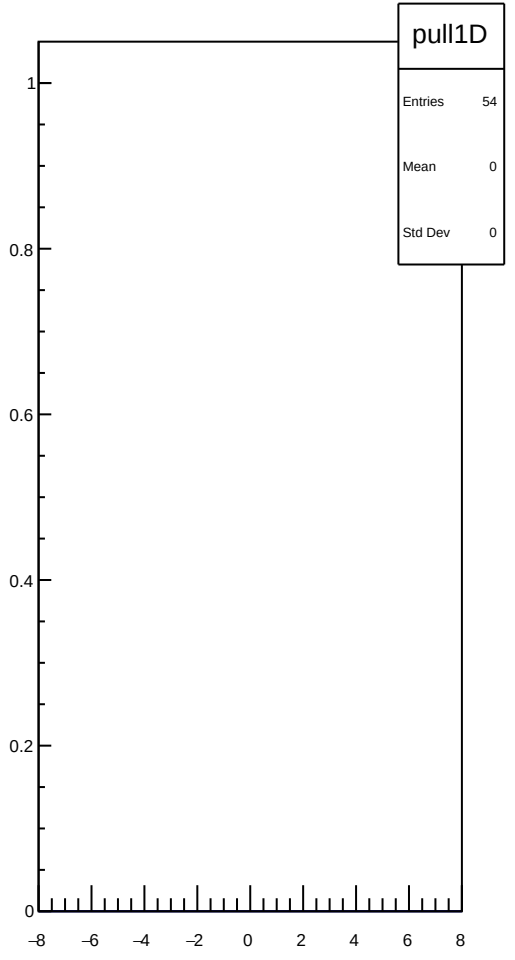

yield_cav4bQ_rms vs run
χ² / ndf 4.018e+05 / 53
p0 0.6299 ± 0.0007928
4
3.5
3
2.5
2
1.5
1
0.5
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

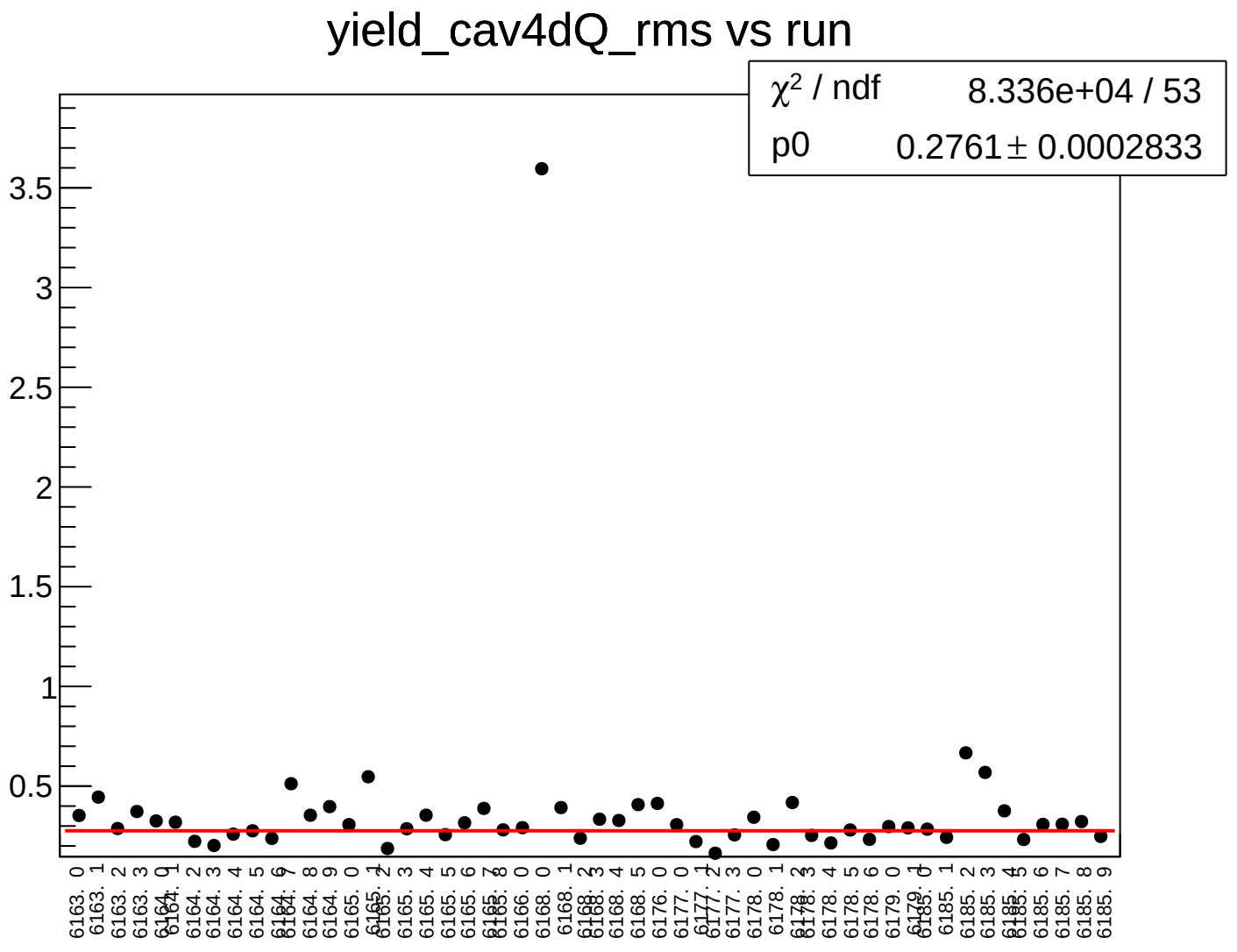

yield_cav4cQ_mean vs run
χ² / ndf 1.752e+08 / 53
p0 123.8 ± 0.0008672
140
135
130
125
120
115
110
105
pull
Entries 54
Mean −56.63
Std Dev 0
4000
2000
0
−2000
−4000
−6000

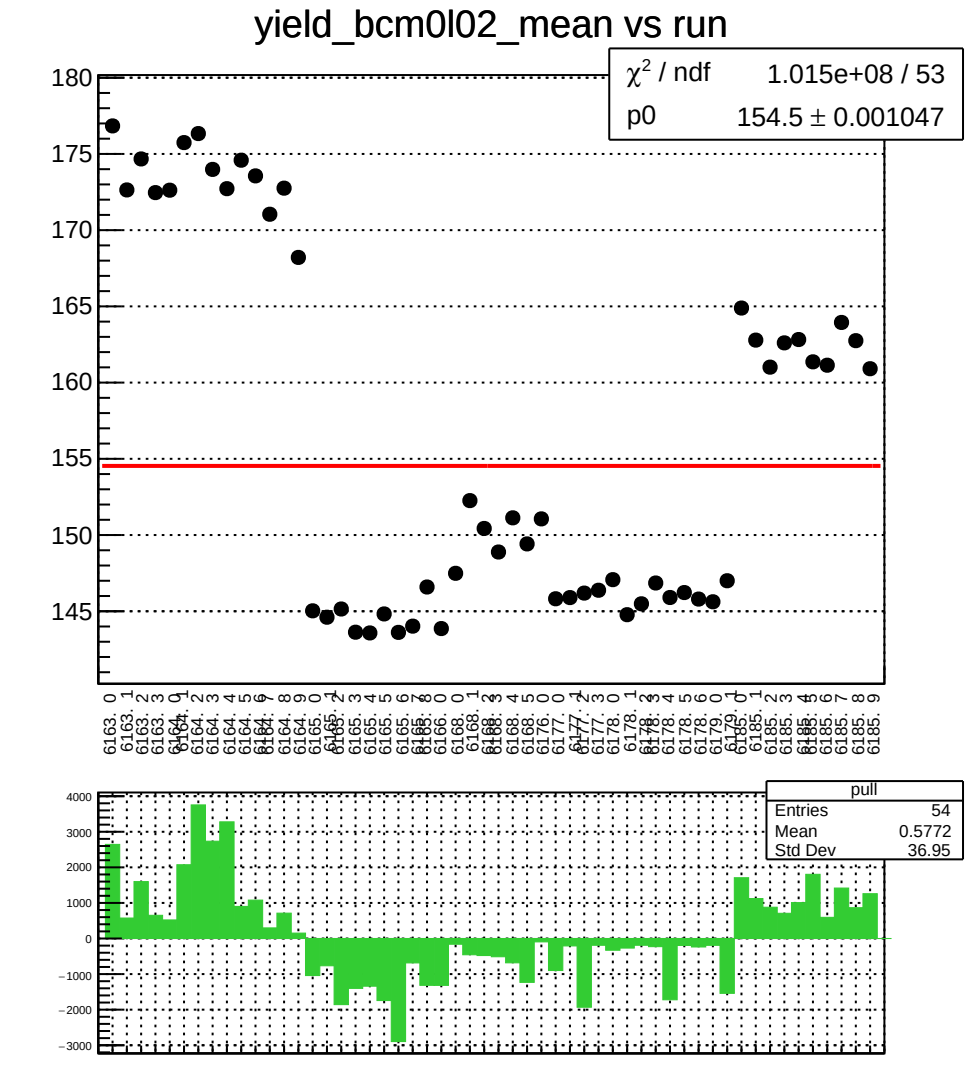

pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

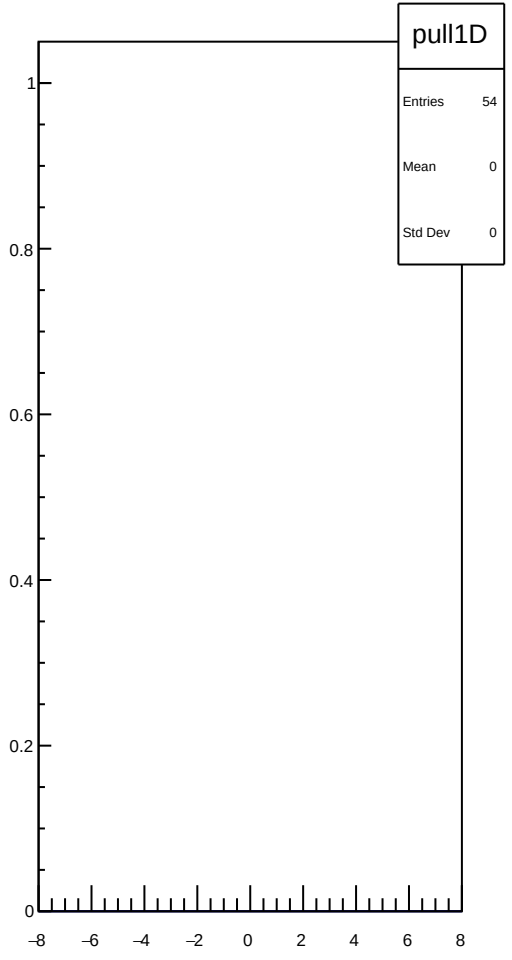

yield_cav4cQ_rms vs run
χ² / ndf 4.058e+05 / 53
p0 0.4856 ± 0.0006132
4.5
4
3.5
3
2.5
2
1.5
1
0.5
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

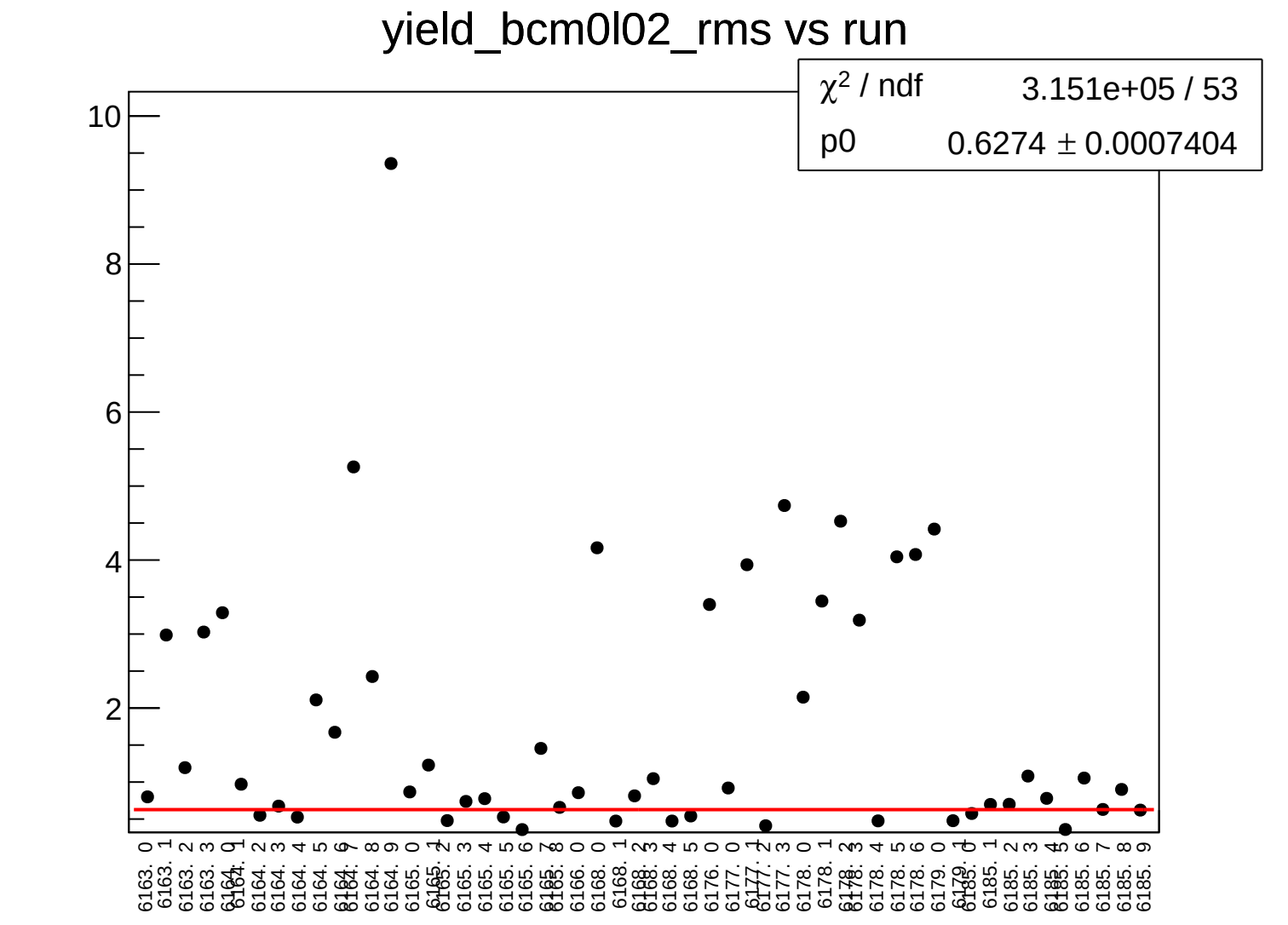

yield_cav4dQ_mean vs run
χ² / ndf 7.971e+08 / 53
p0 126 ± 0.0004007
140
135
130
125
120
115
110
pull
Entries 54
Mean −41.45
Std Dev 0
4000
2000
0
−2000
−4000
−6000
−8000

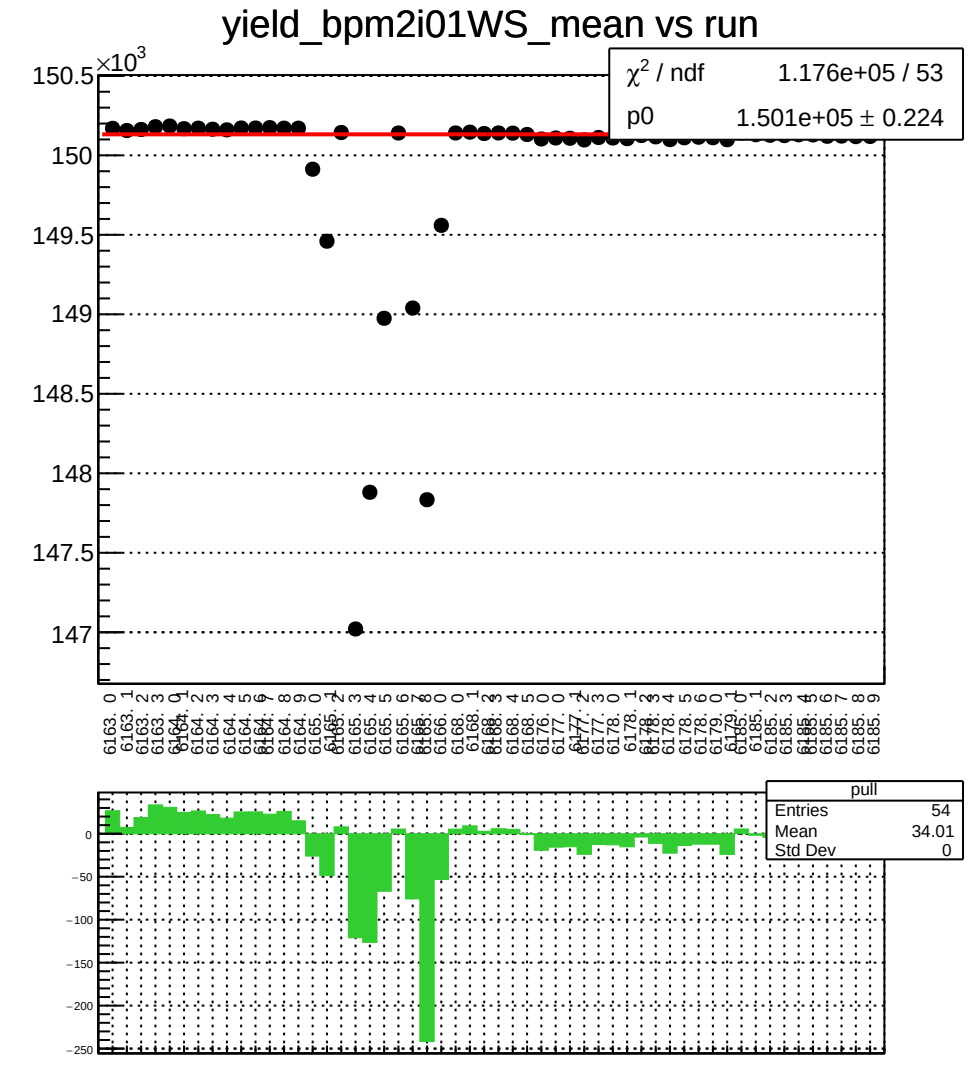

pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

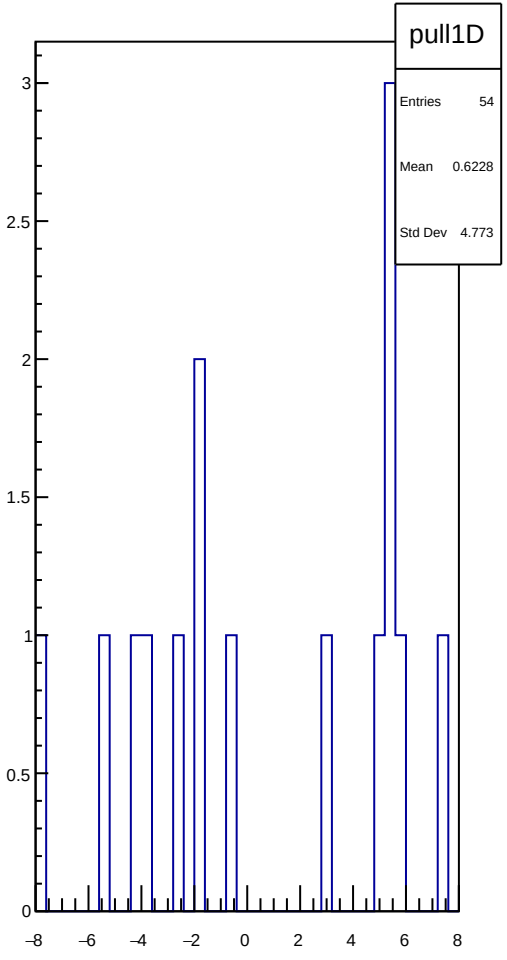

yield_cav4dQ_rms vs run
χ² / ndf 8.336e+04 / 53
p0 0.2761 ± 0.0002833
3.5
3
2.5
2
1.5
1
0.5
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

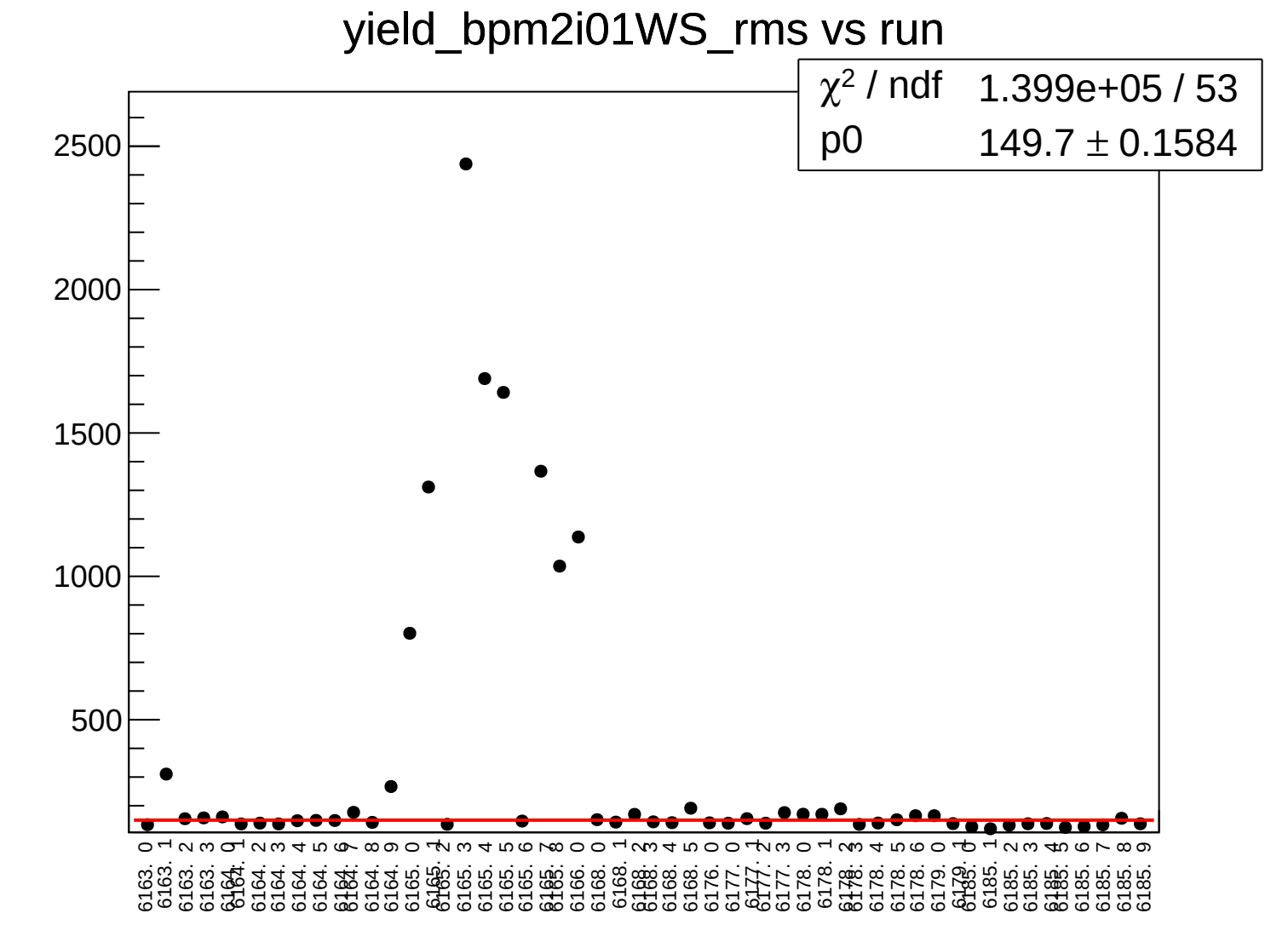

yield_bcm0l02_mean vs run
χ² / ndf 1.015e+08 / 53
p0 154.5 ± 0.001047
pull
Entries 54
Mean 0.5772
Std Dev 36.95

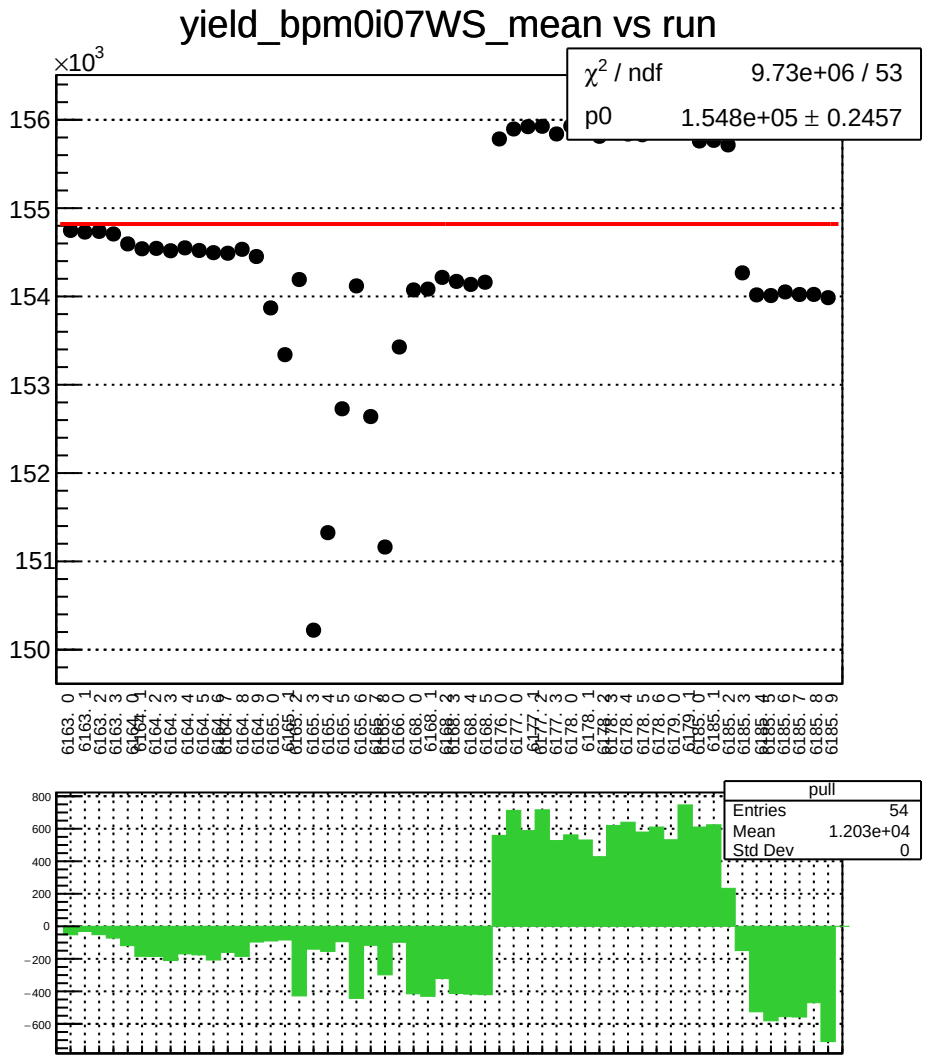

pull1D
Entries 54
Mean 0
Std Dev 0

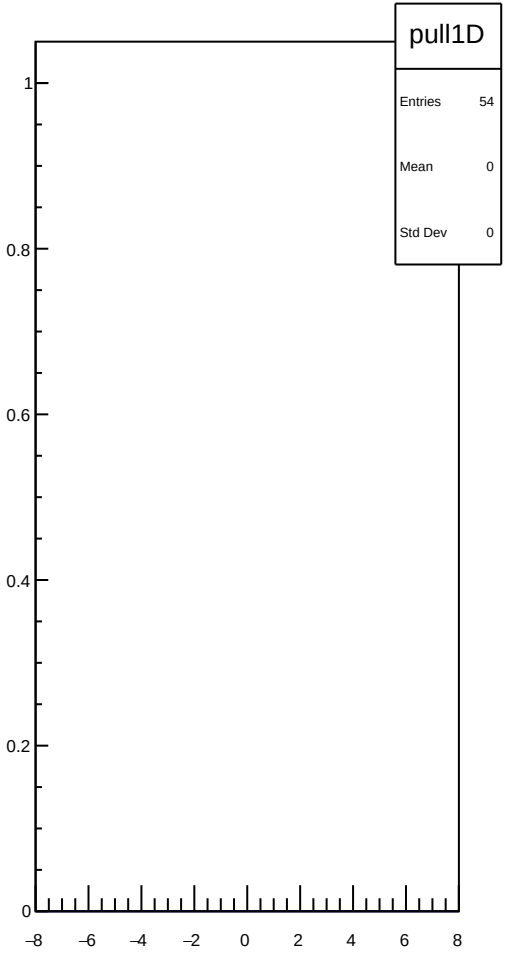

yield_bcm0l02_rms vs run
χ² / ndf 3.151e+05 / 53
p0 0.6274 ± 0.0007404
10
8
6
4
2
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

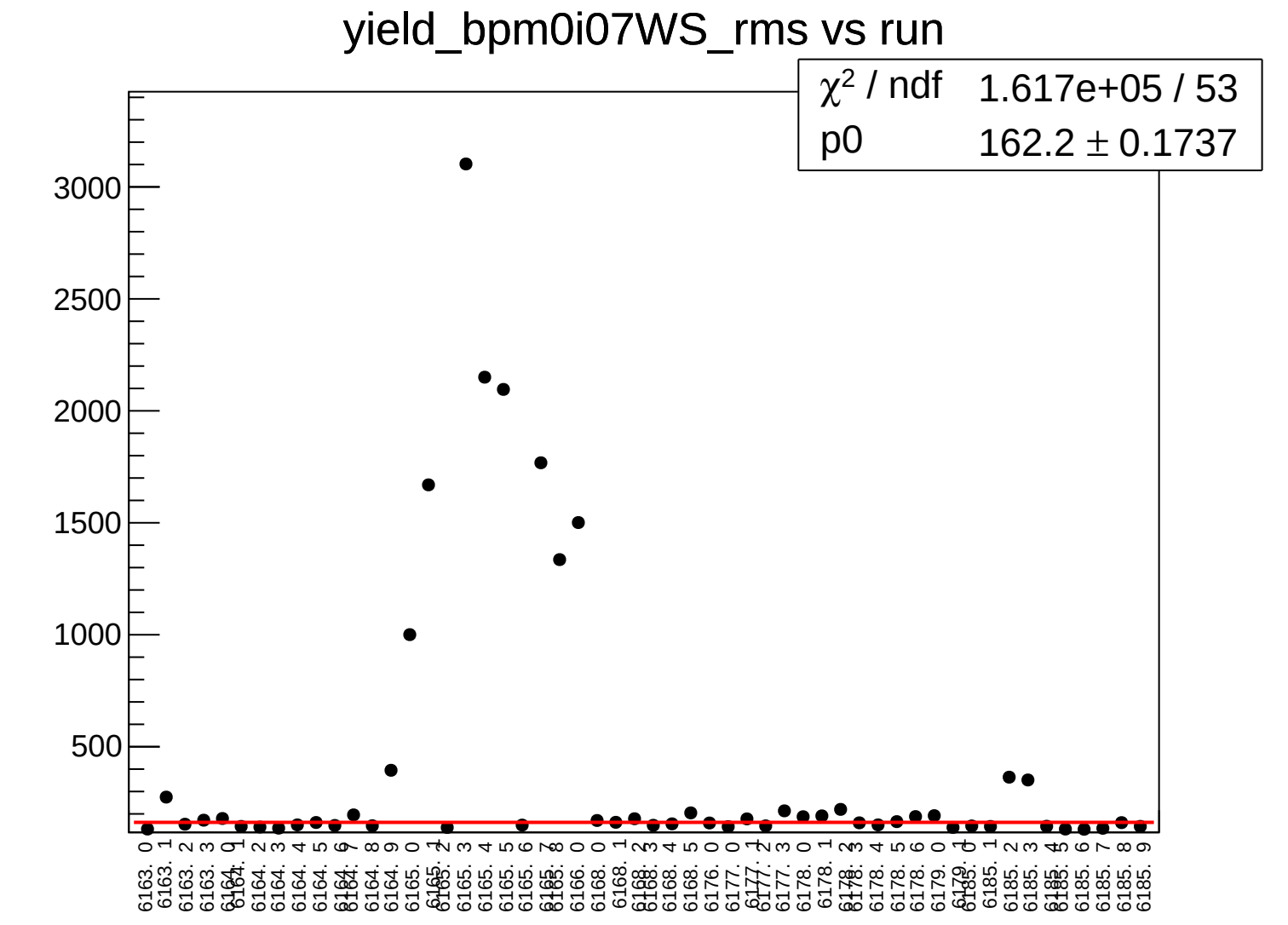

yield_bpm2i01WS_mean vs run
χ² / ndf 1.176e+05 / 53
p0 1.501e+05 ± 0.224
×10³
150.5
150
149.5
149
148.5
148
147.5
147
pull
Entries 54
Mean 34.01
Std Dev 0
0
−50
−100
−150
−200
−250

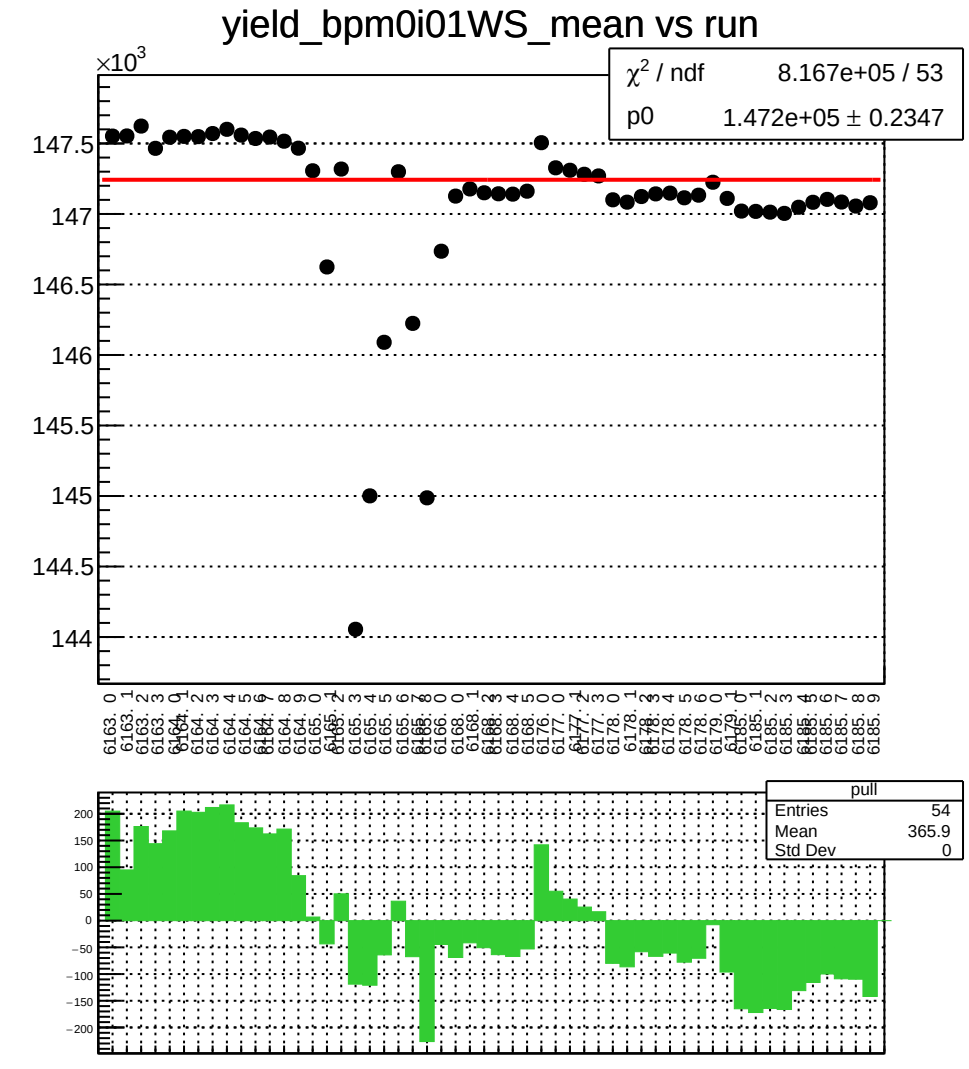

pull1D
Entries 54
Mean 0.6228
Std Dev 4.773
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

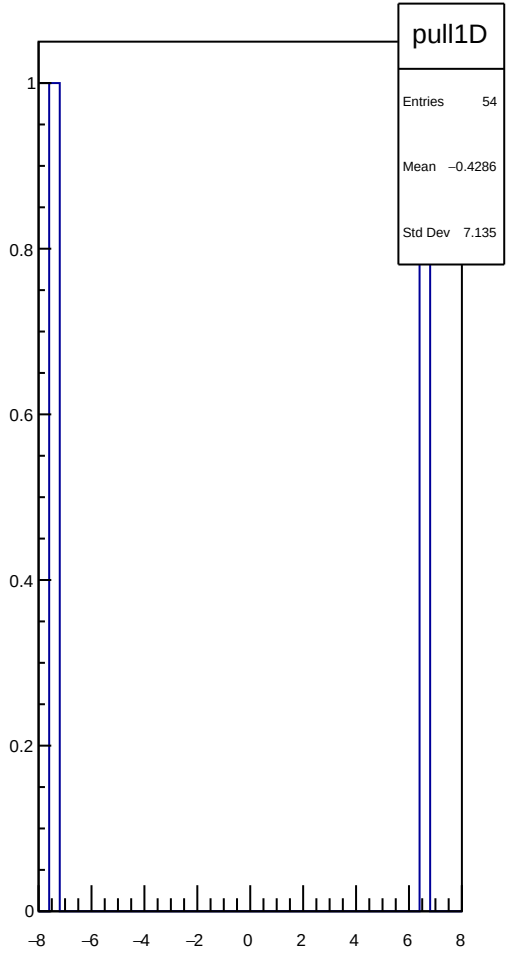

yield_bpm2i01WS_rms vs run
χ² / ndf 1.399e+05 / 53
p0 149.7 ± 0.1584
2500
2000
1500
1000
500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

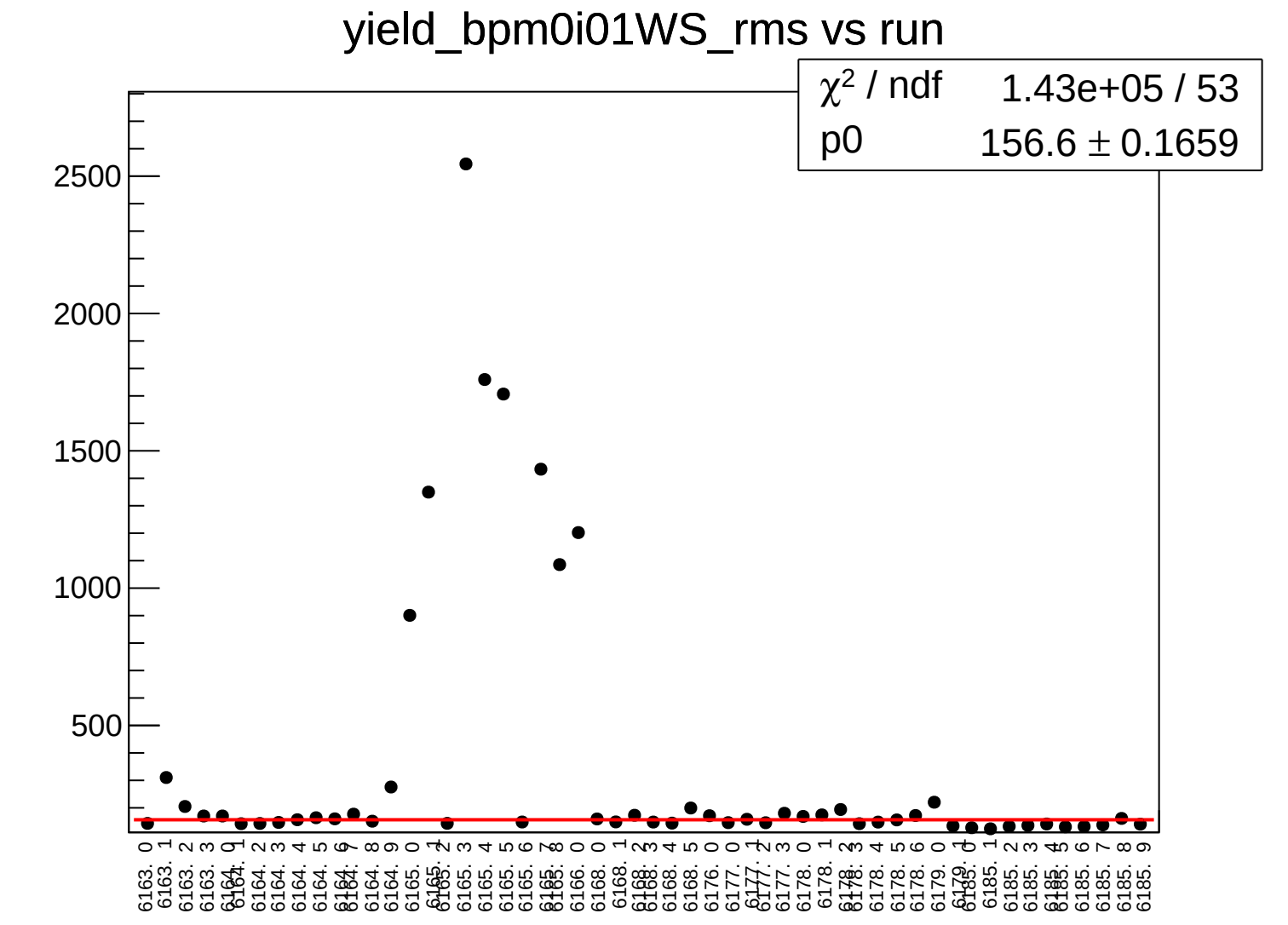

yield_bpm0i07WS_mean vs run
×10^3
χ² / ndf 9.73e+06 / 53
p0 1.548e+05 ± 0.2457
156
155
154
153
152
151
150
pull
Entries 54
Mean 1.203e+04
Std Dev 0
800
600
400
200
0
−200
−400
−600

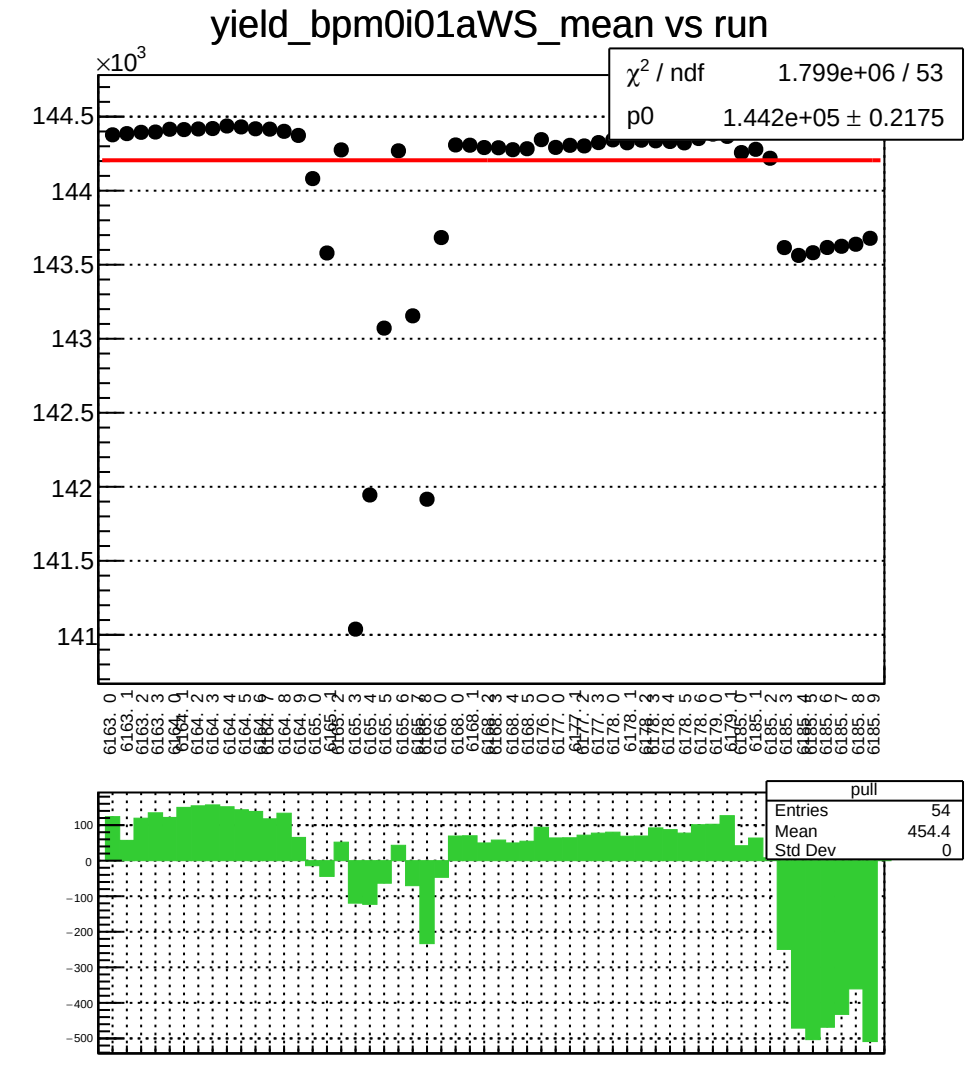

pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

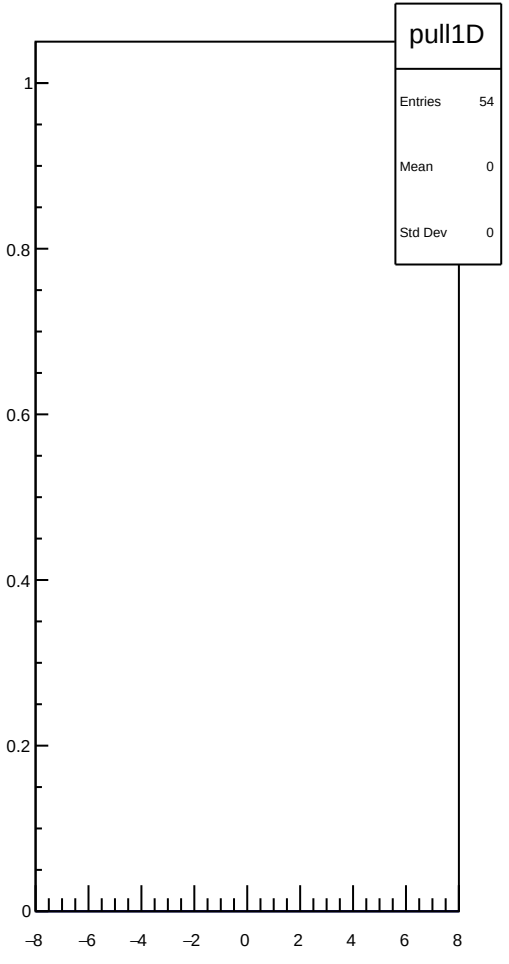

yield_bpm0i07WS_rms vs run
χ² / ndf 1.617e+05 / 53
p0 162.2 ± 0.1737
3000
2500
2000
1500
1000
500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

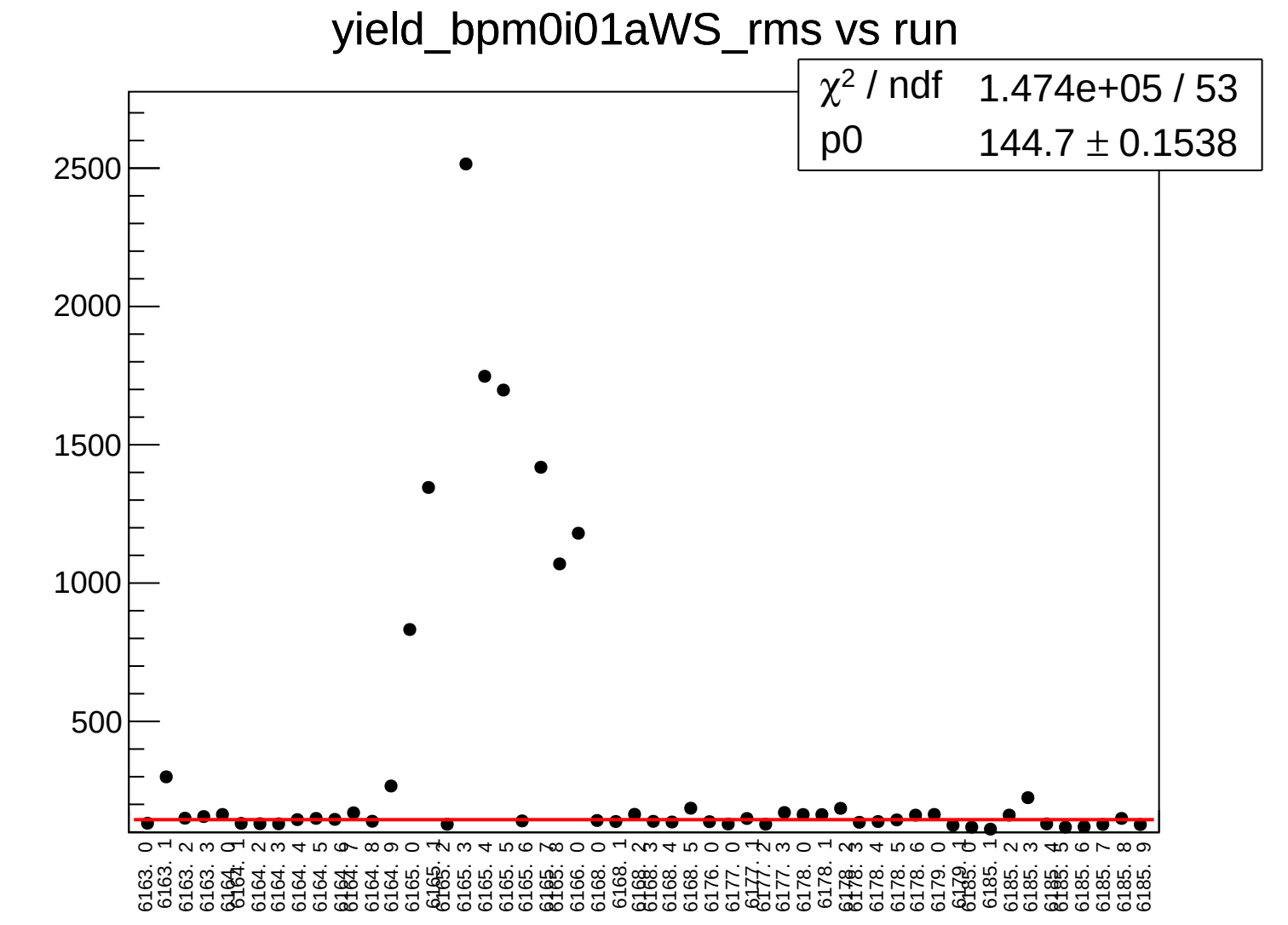

yield_bpm0i01WS_mean vs run
×10^3
χ² / ndf 8.167e+05 / 53
p0 1.472e+05 ± 0.2347
147.5
147
146.5
146
145.5
145
144.5
144
pull
Entries 54
Mean 365.9
Std Dev 0
200
150
100
50
0
−50
−100
−150
−200

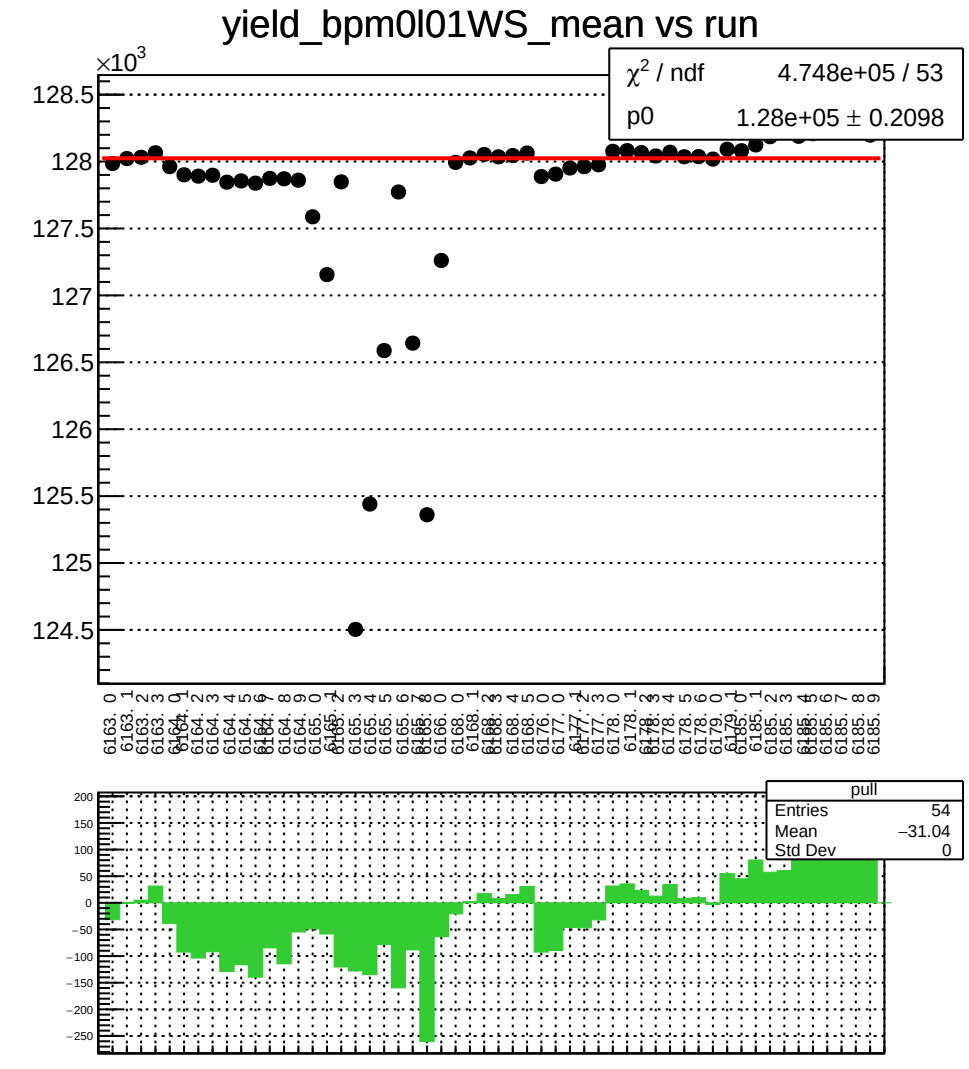

pull1D
Entries 54
Mean −0.4286
Std Dev 7.135
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

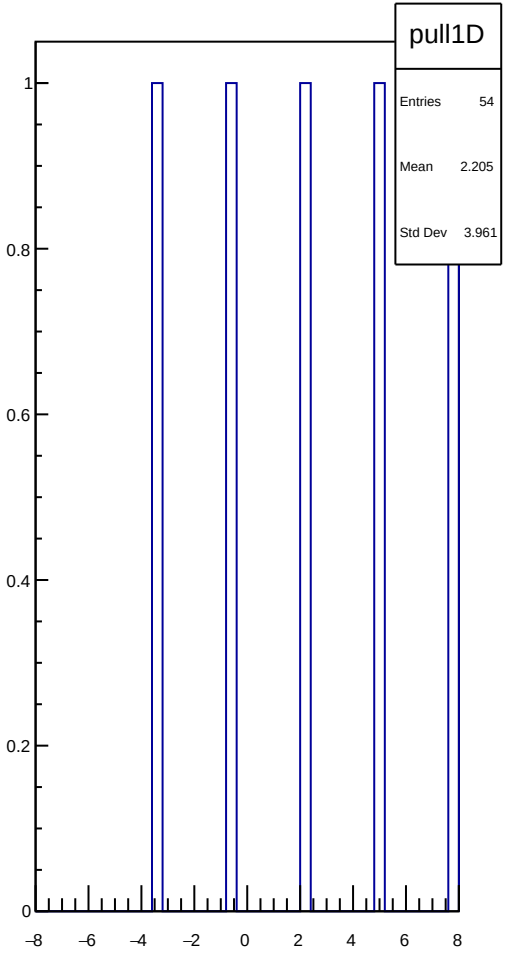

yield_bpm0i01WS_rms vs run
χ² / ndf 1.43e+05 / 53
p0 156.6 ± 0.1659
2500
2000
1500
1000
500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

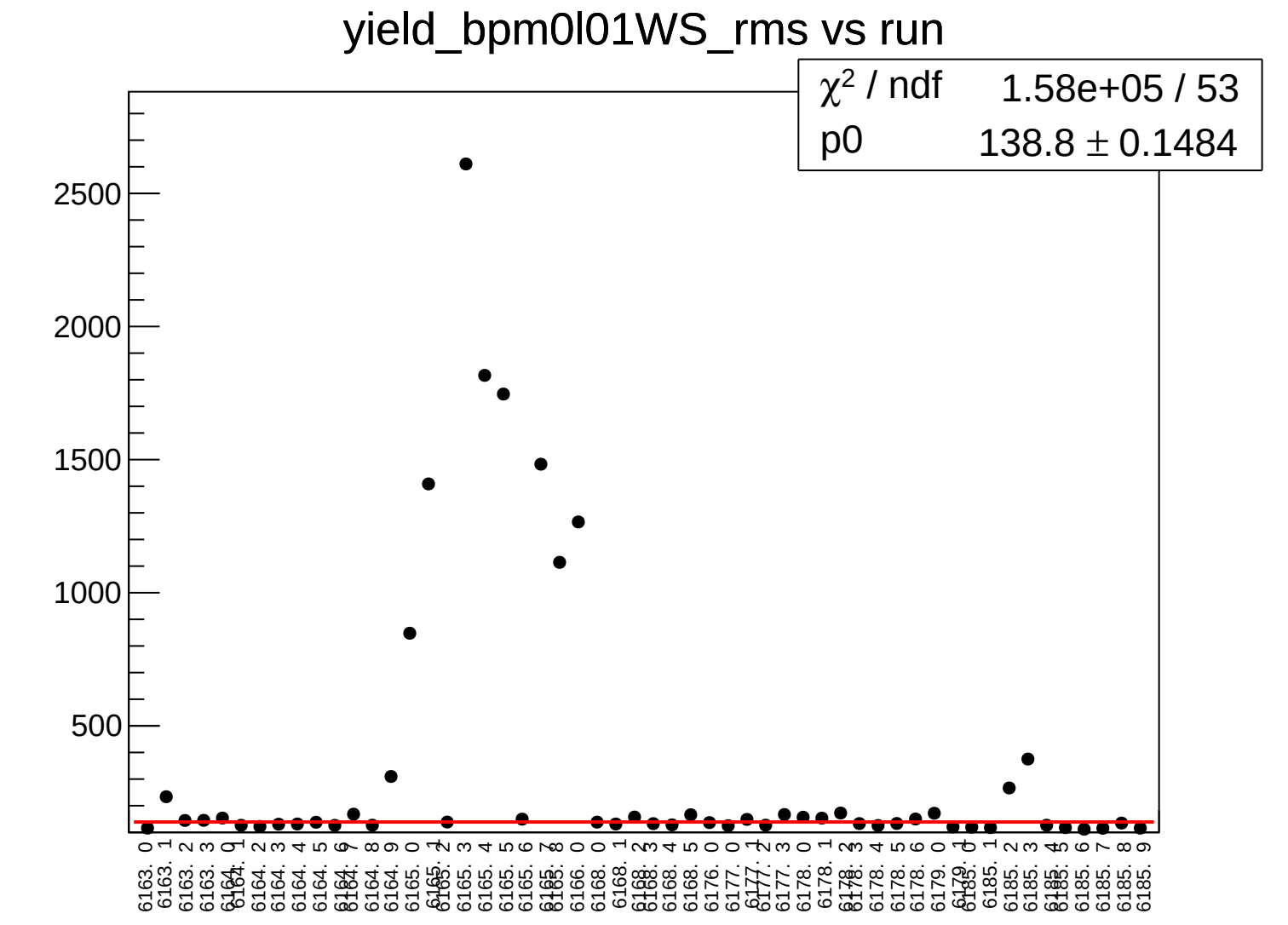

yield_bpm0i01aWS_mean vs run
×10^3
χ² / ndf 1.799e+06 / 53
p0 1.442e+05 ± 0.2175
144.5
144
143.5
143
142.5
142
141.5
141
pull
Entries 54
Mean 454.4
Std Dev 0
100
0
−100
−200
−300
−400
−500

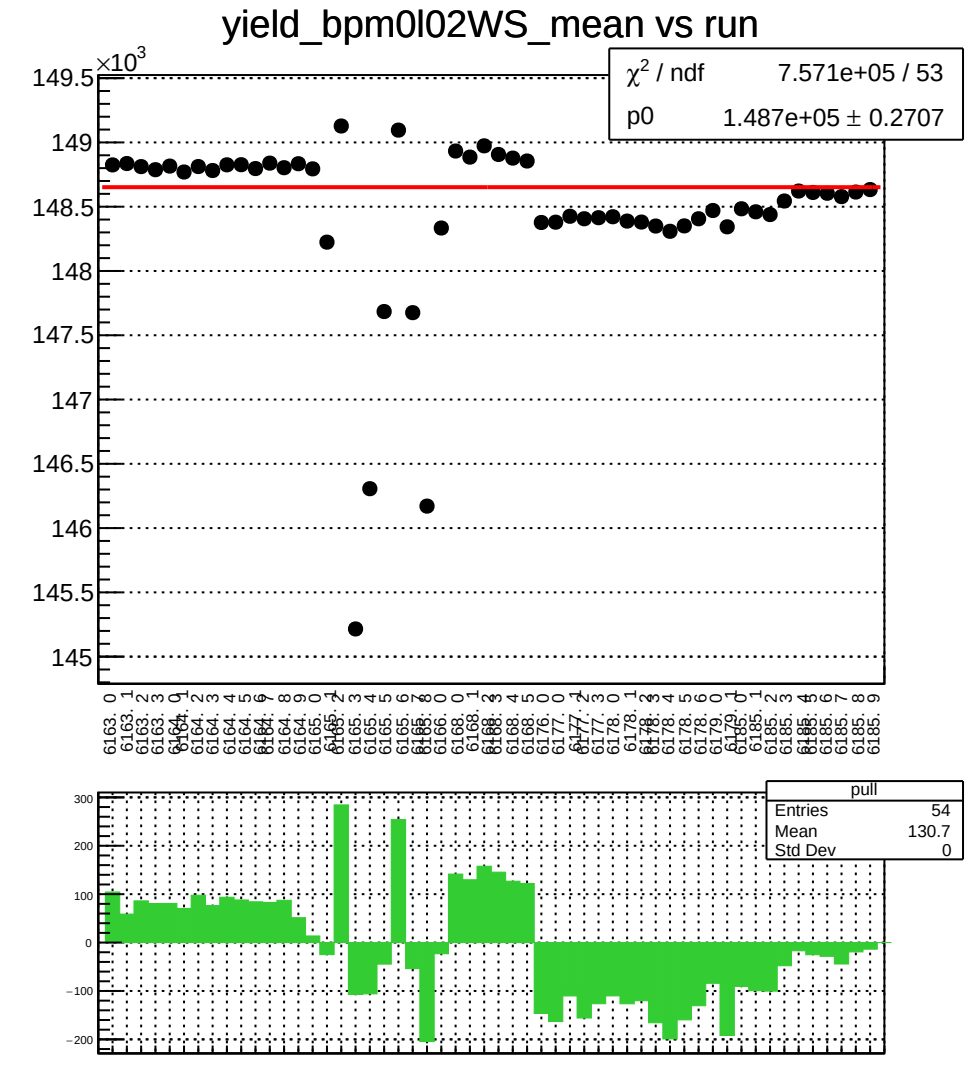

pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

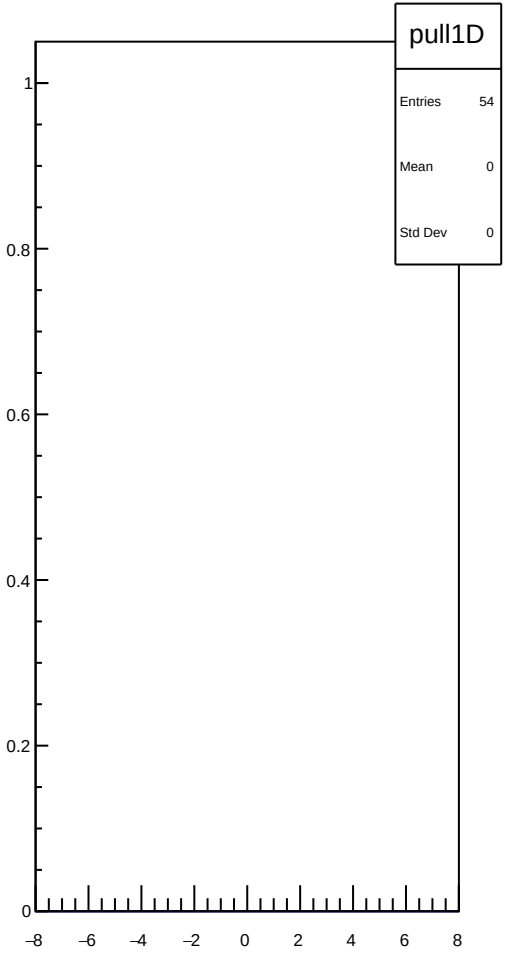

yield_bpm0i01aWS_rms vs run
χ² / ndf 1.474e+05 / 53
p0 144.7 ± 0.1538
2500
2000
1500
1000
500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

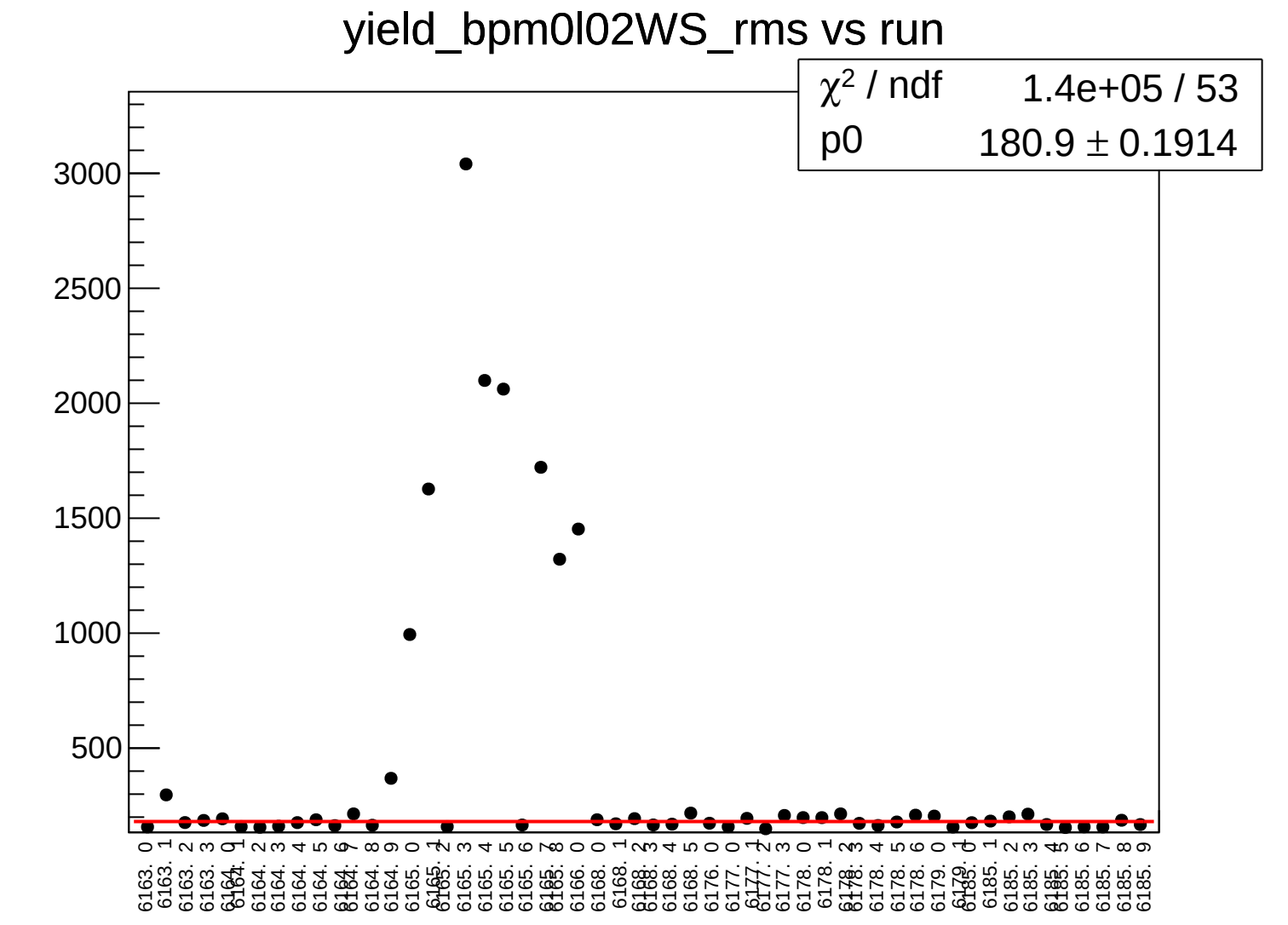

yield_bpm0l01WS_mean vs run
×10^3
χ² / ndf 4.748e+05 / 53
p0 1.28e+05 ± 0.2098
128.5
128
127.5
127
126.5
126
125.5
125
124.5
pull
Entries 54
Mean −31.04
Std Dev 0
200
150
100
50
0
−50
−100
−150
−200
−250

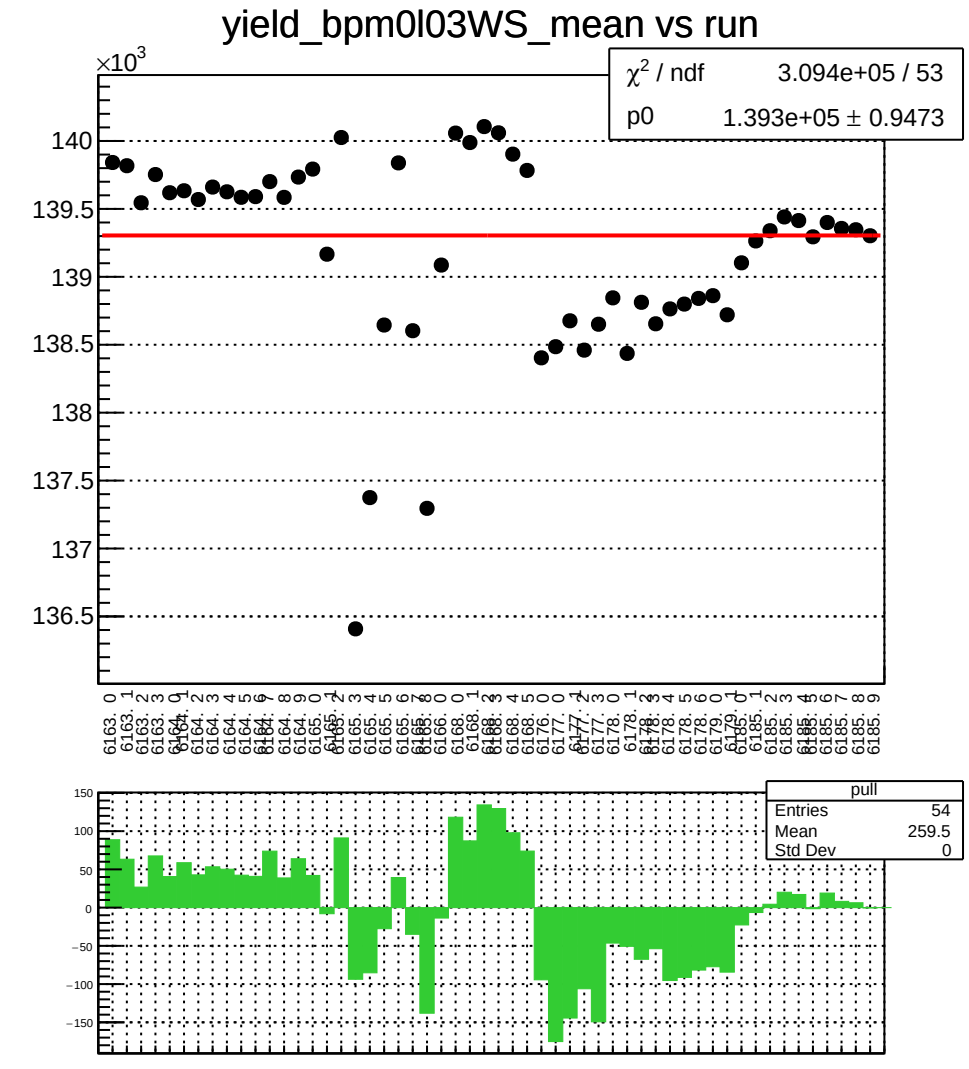

pull1D
Entries 54
Mean 2.205
Std Dev 3.961
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

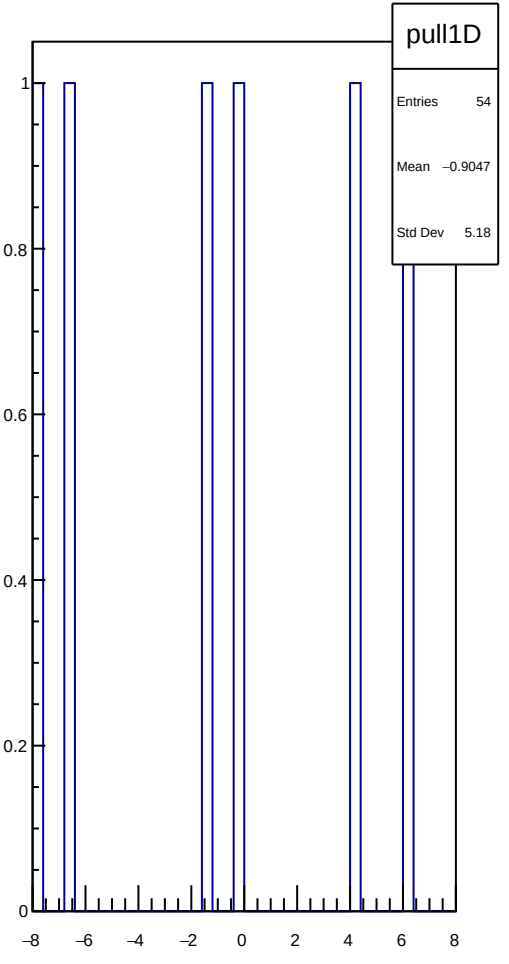

yield_bpm0l01WS_rms vs run
χ² / ndf 1.58e+05 / 53
p0 138.8 ± 0.1484
2500
2000
1500
1000
500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

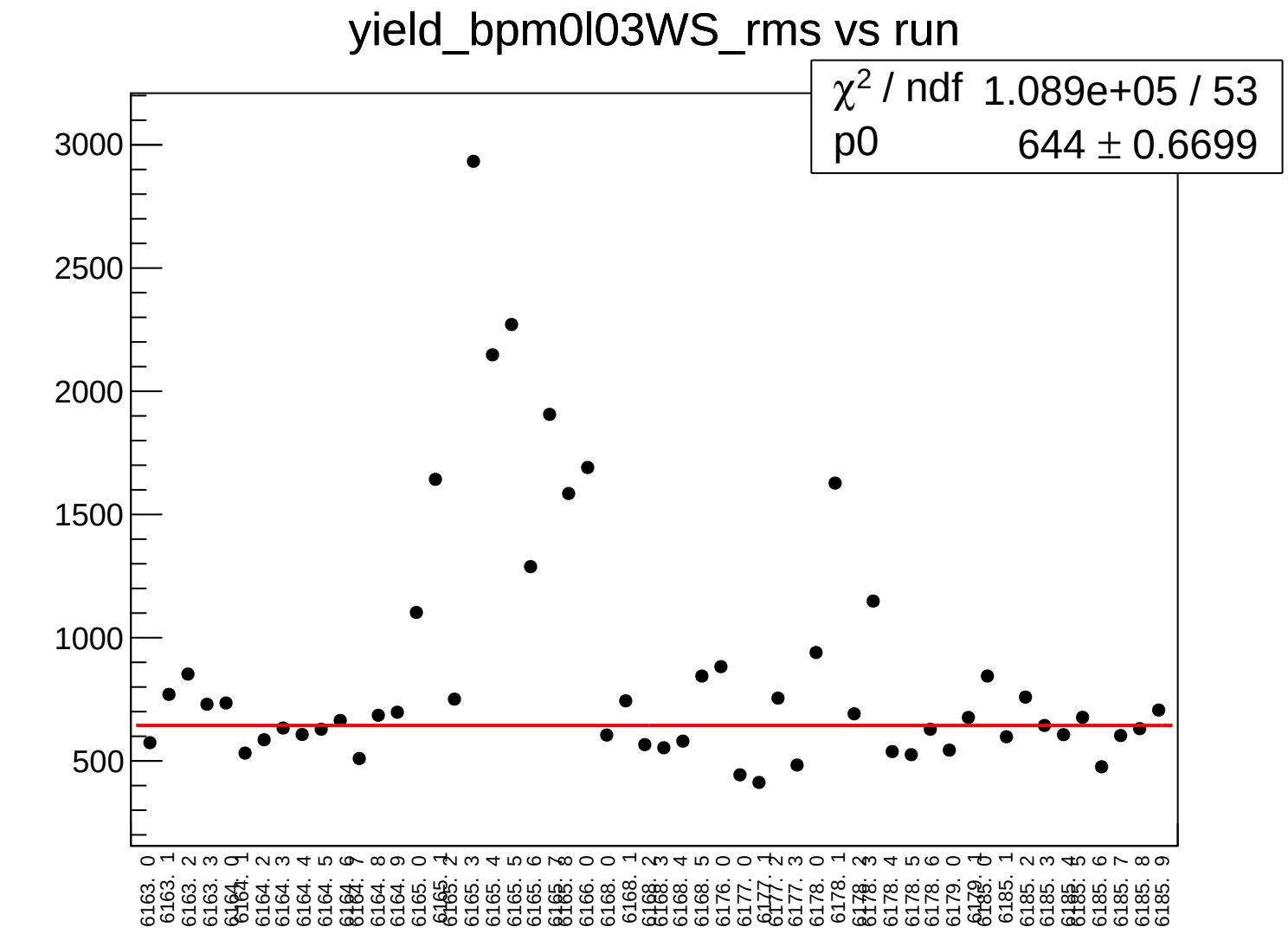

yield_bpm0l02WS_mean vs run
×10^3
χ² / ndf 7.571e+05 / 53
p0 1.487e+05 ± 0.2707
149.5
149
148.5
148
147.5
147
146.5
146
145.5
145
pull
Entries 54
Mean 130.7
Std Dev 0
300
200
100
0
−100
−200

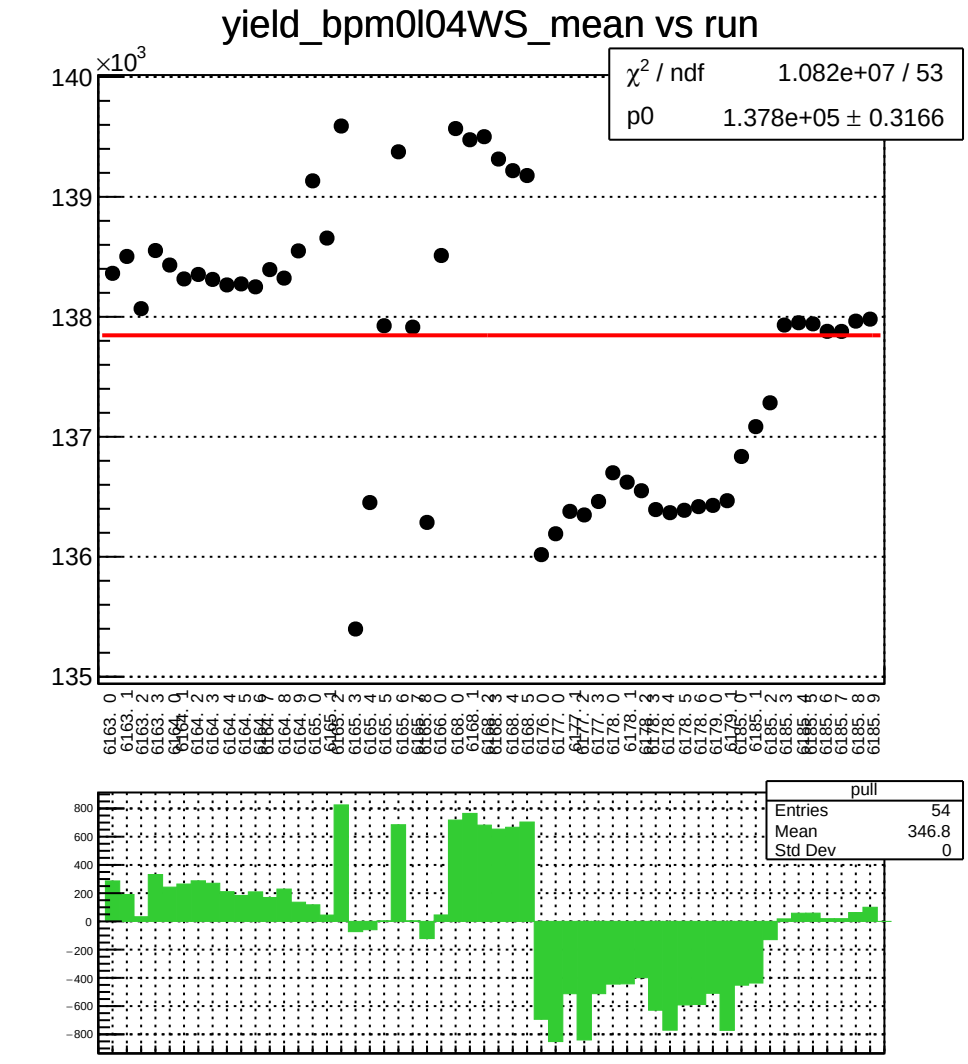

pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

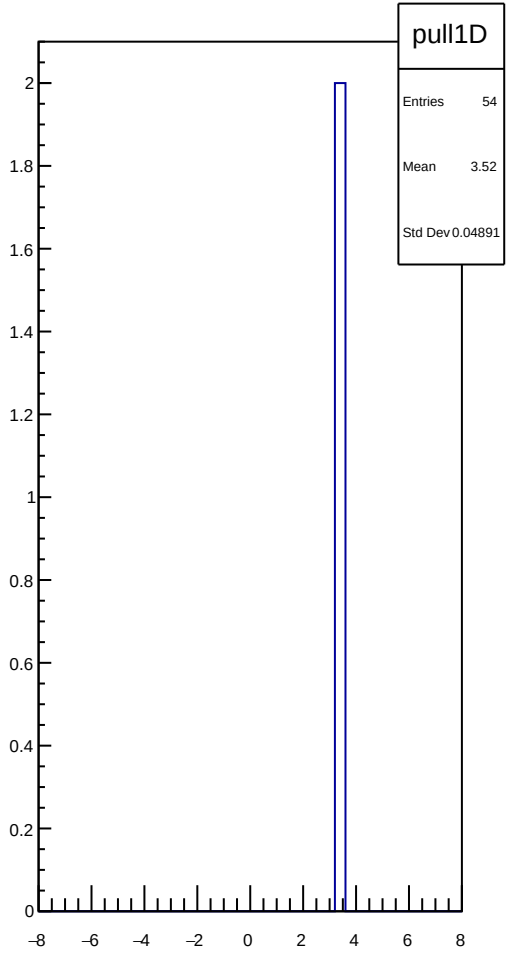

yield_bpm0l02WS_rms vs run
χ² / ndf 1.4e+05 / 53
p0 180.9 ± 0.1914
3000
2500
2000
1500
1000
500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

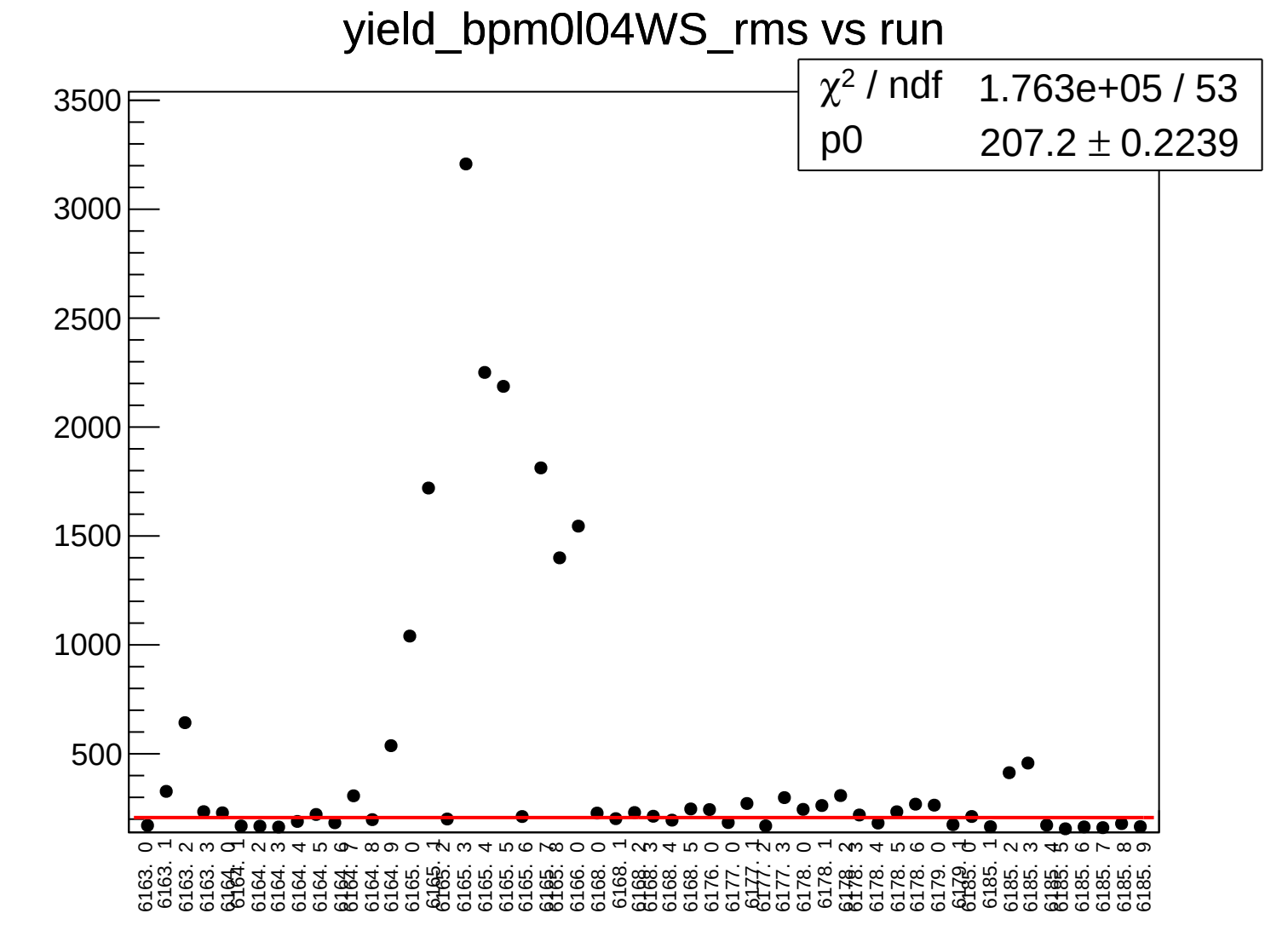

yield_bpm0l03WS_mean vs run
×10^3
χ² / ndf 3.094e+05 / 53
p0 1.393e+05 ± 0.9473
140
139.5
139
138.5
138
137.5
137
136.5
pull
Entries 54
Mean 259.5
Std Dev 0
150
100
50
0
−50
−100
−150

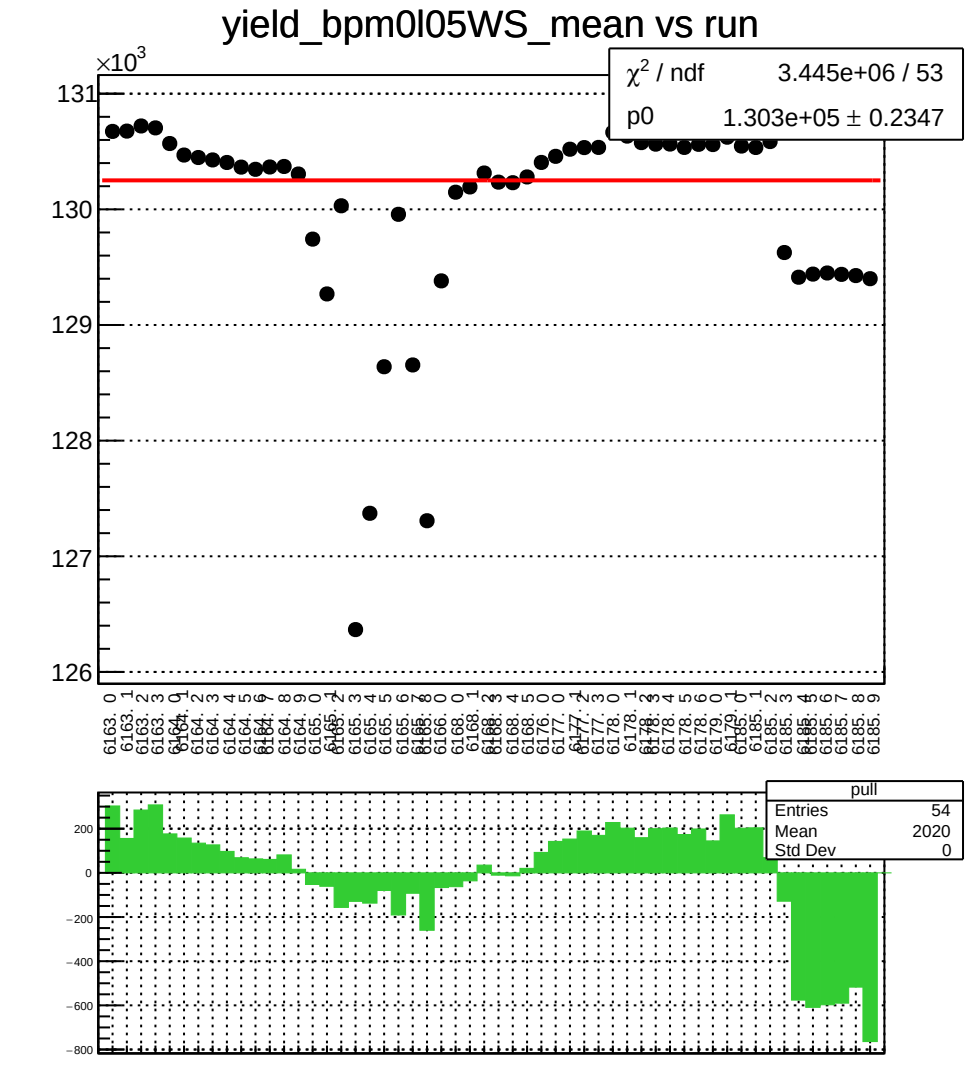

pull1D
Entries 54
Mean −0.9047
Std Dev 5.18
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

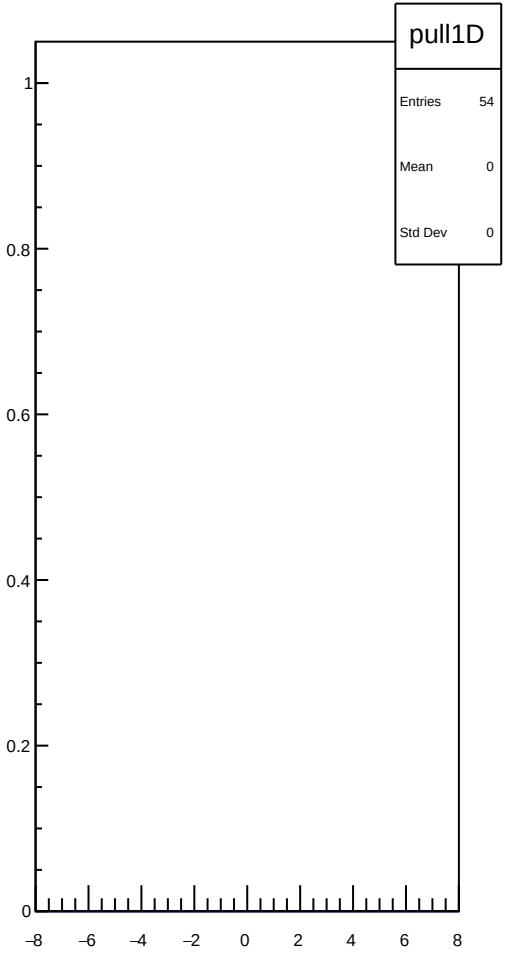

yield_bpm0l03WS_rms vs run
χ² / ndf 1.089e+05 / 53
p0 644 ± 0.6699
3000
2500
2000
1500
1000
500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

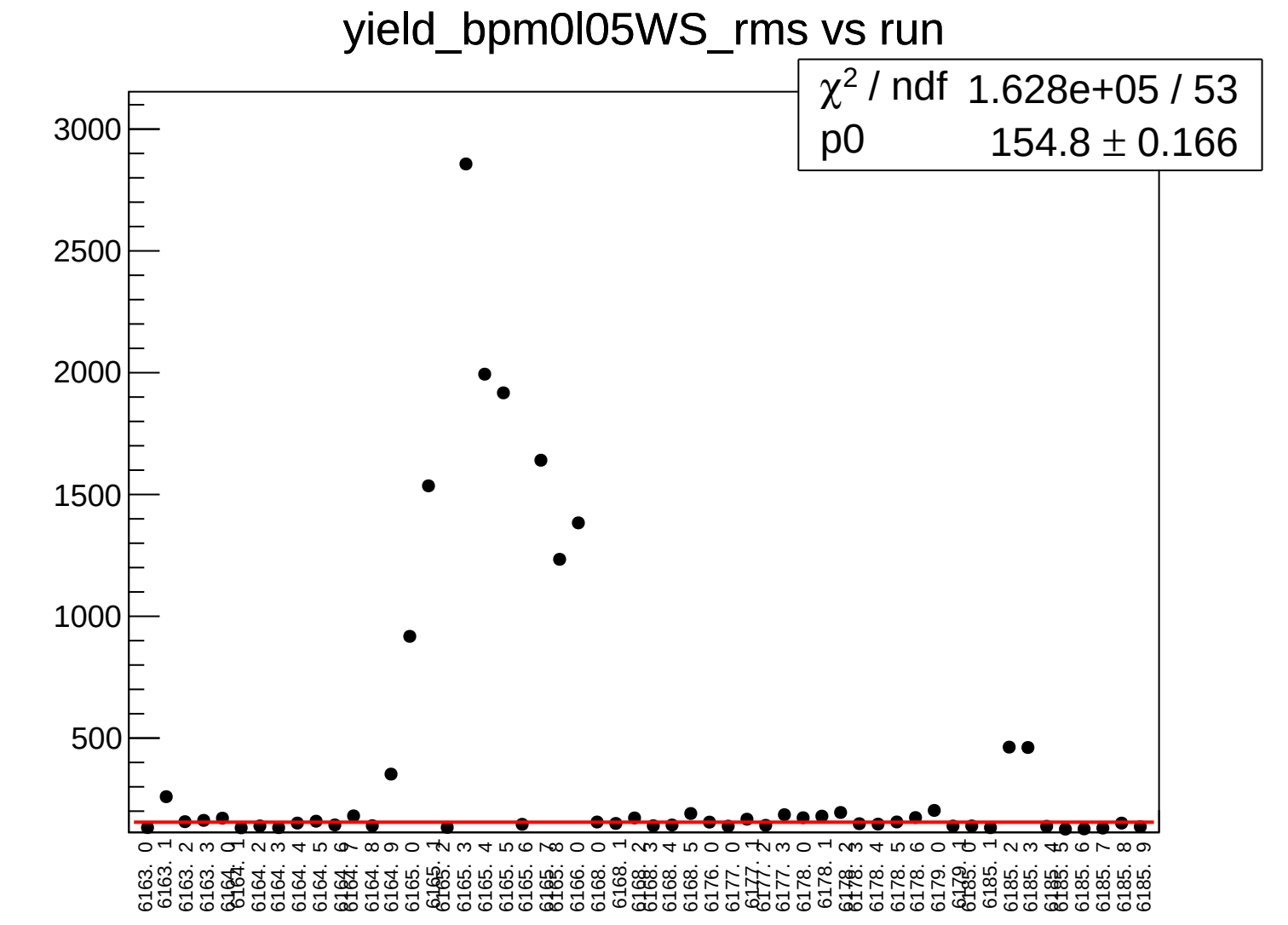

yield_bpm0l04WS_mean vs run
×10^3
140
139
138
137
136
135
χ² / ndf 1.082e+07 / 53
p0 1.378e+05 ± 0.3166
pull
Entries 54
Mean 346.8
Std Dev 0
800
600
400
200
0
−200
−400
−600
−800

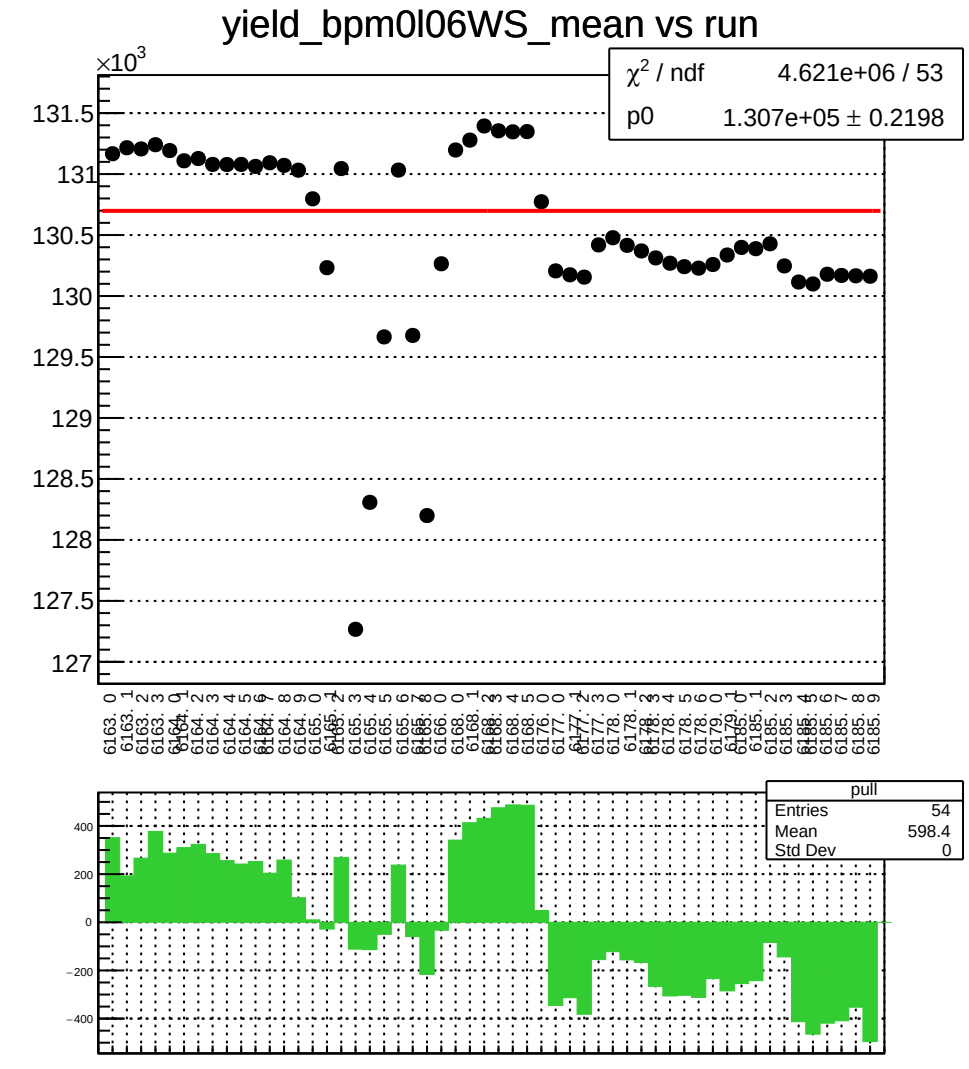

pull1D
Entries 54
Mean 3.52
Std Dev 0.04891
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

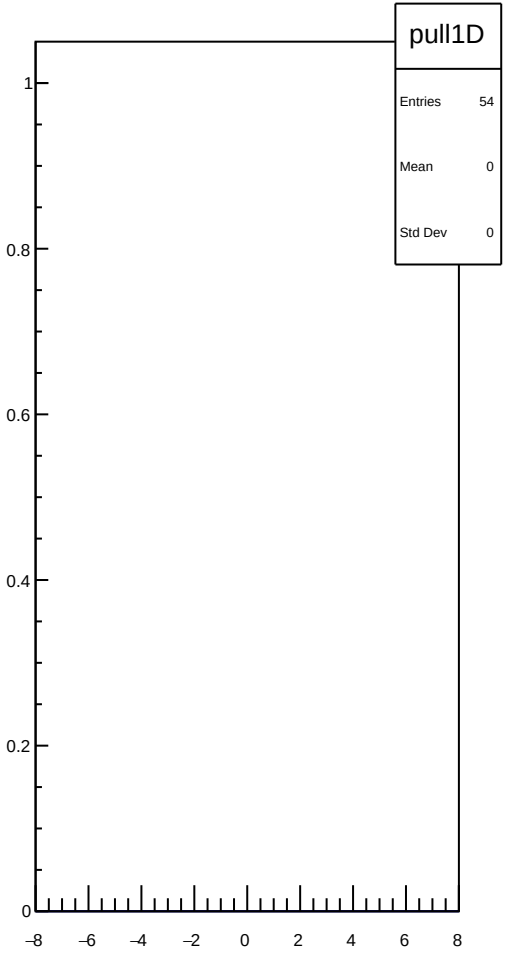

yield_bpm0l04WS_rms vs run
χ² / ndf 1.763e+05 / 53
p0 207.2 ± 0.2239
3500
3000
2500
2000
1500
1000
500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

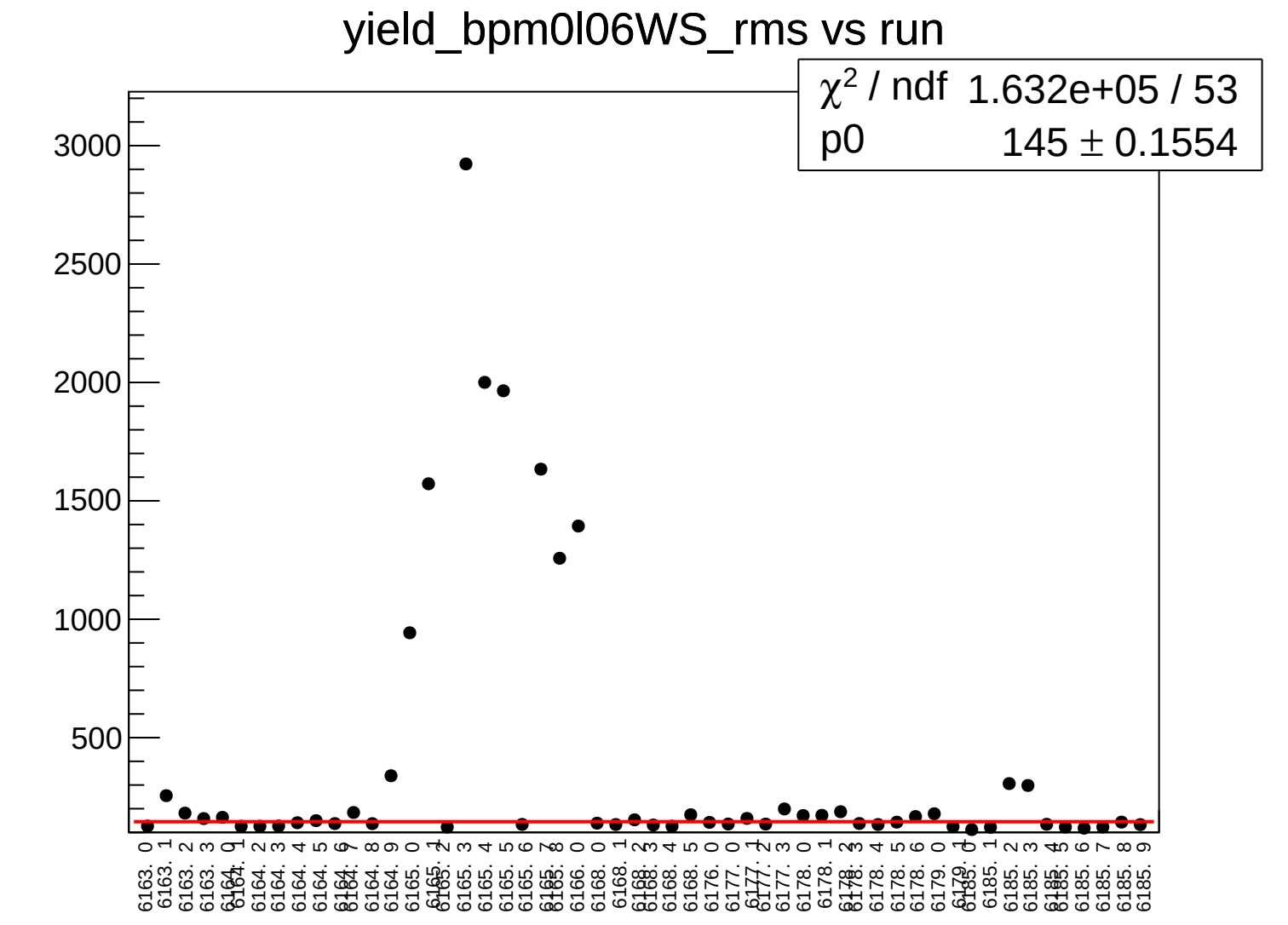

yield_bpm0l05WS_mean vs run
×10^3
χ² / ndf 3.445e+06 / 53
p0 1.303e+05 ± 0.2347
131
130
129
128
127
126
pull
Entries 54
Mean 2020
Std Dev 0
200
0
−200
−400
−600
−800

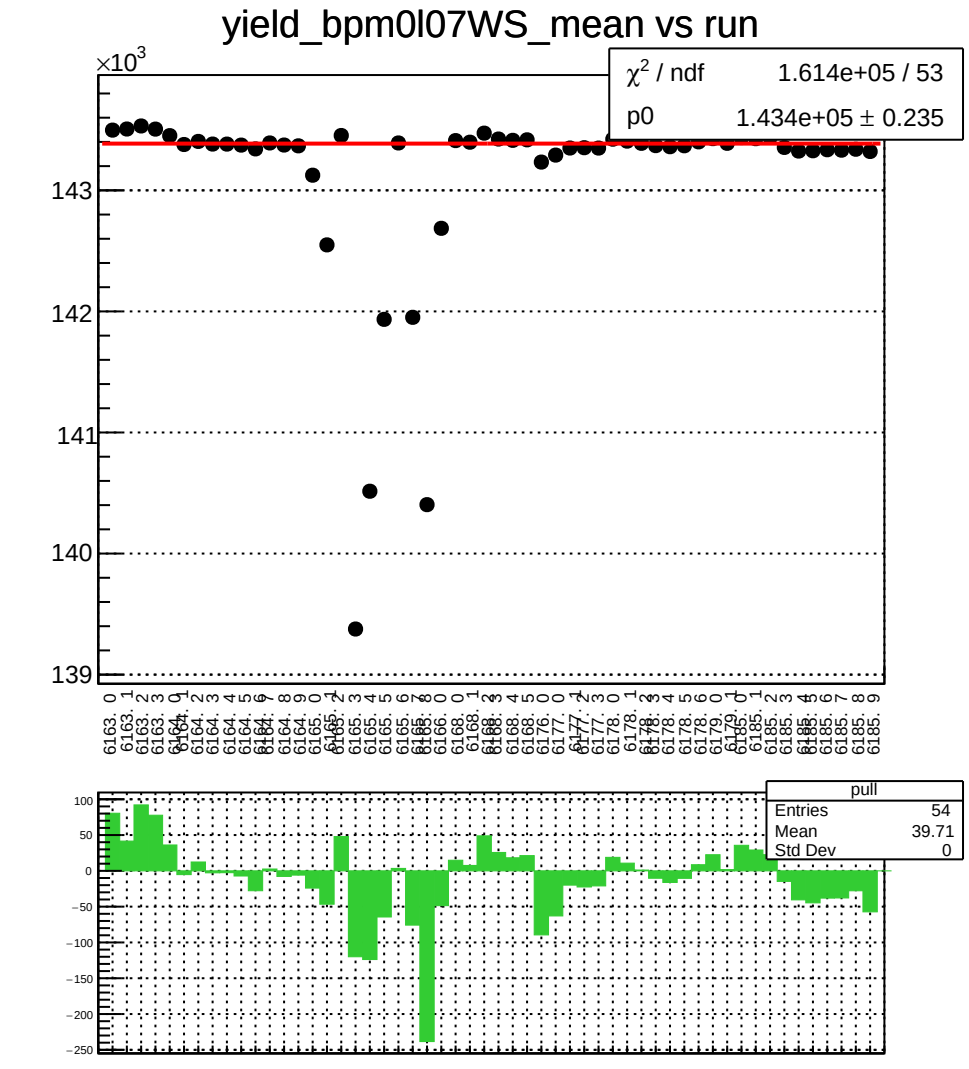

pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

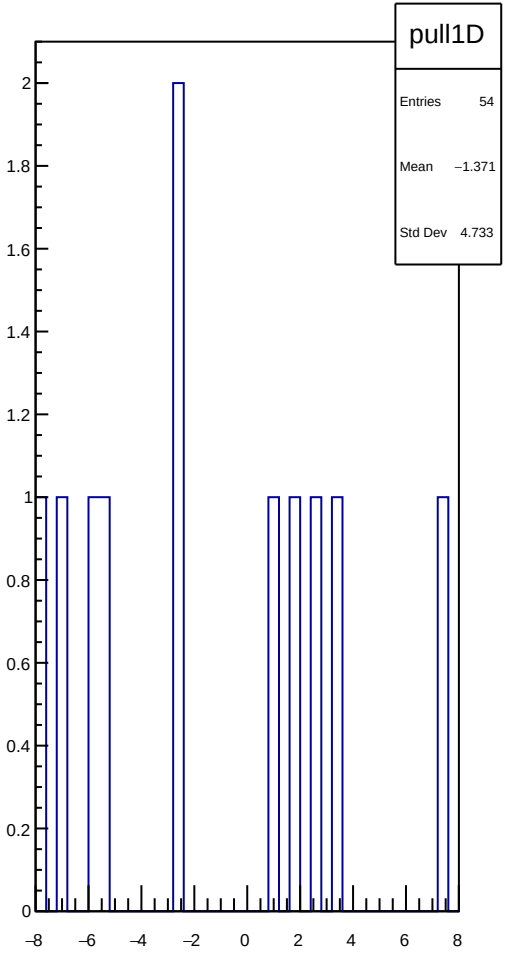

yield_bpm0l05WS_rms vs run
χ² / ndf 1.628e+05 / 53
p0 154.8 ± 0.166
3000
2500
2000
1500
1000
500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

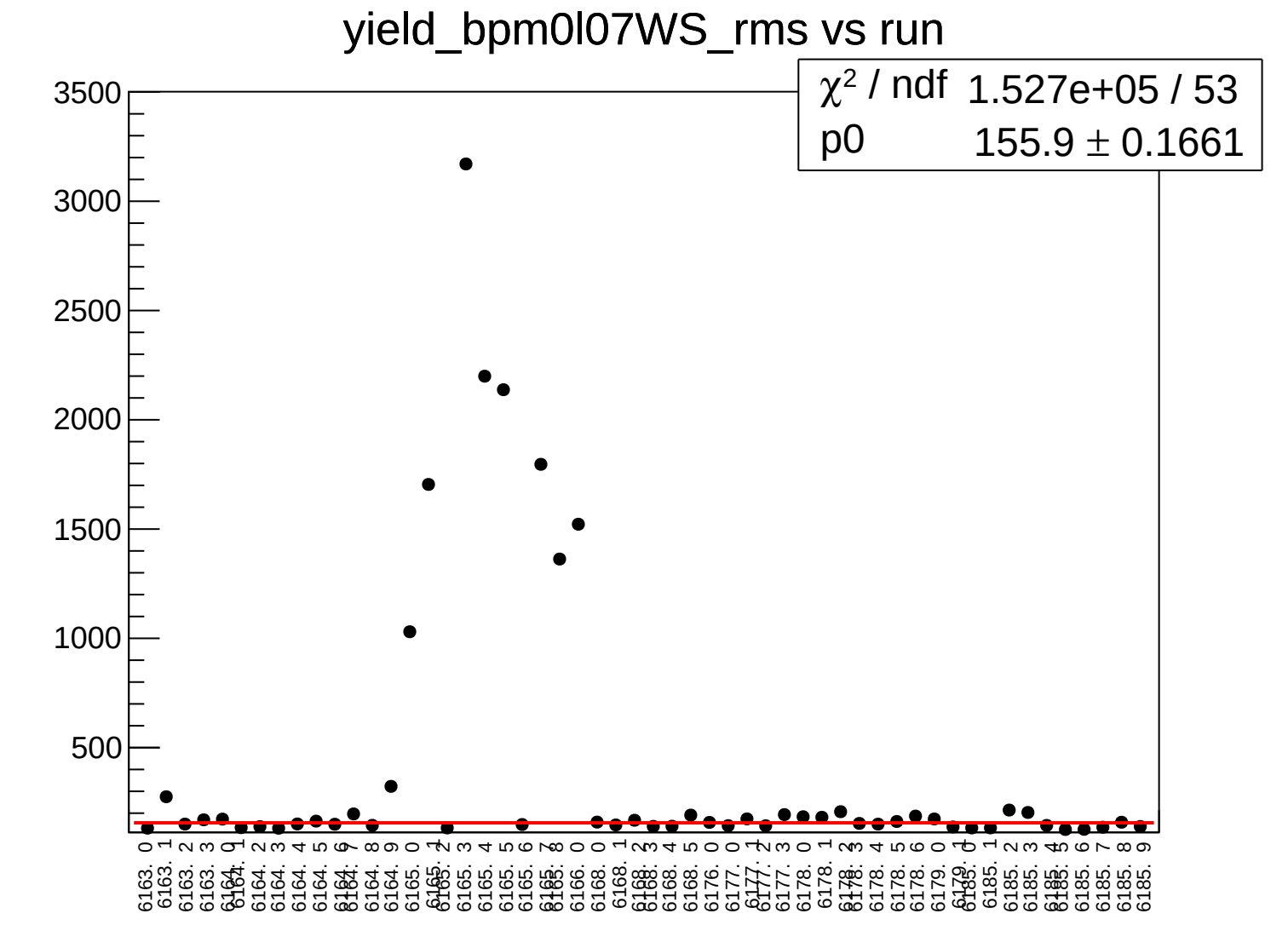

yield_bpm0l06WS_mean vs run
×10^3
χ² / ndf 4.621e+06 / 53
p0 1.307e+05 ± 0.2198
131.5
131
130.5
130
129.5
129
128.5
128
127.5
127
pull
Entries 54
Mean 598.4
Std Dev 0
400
200
0
−200
−400

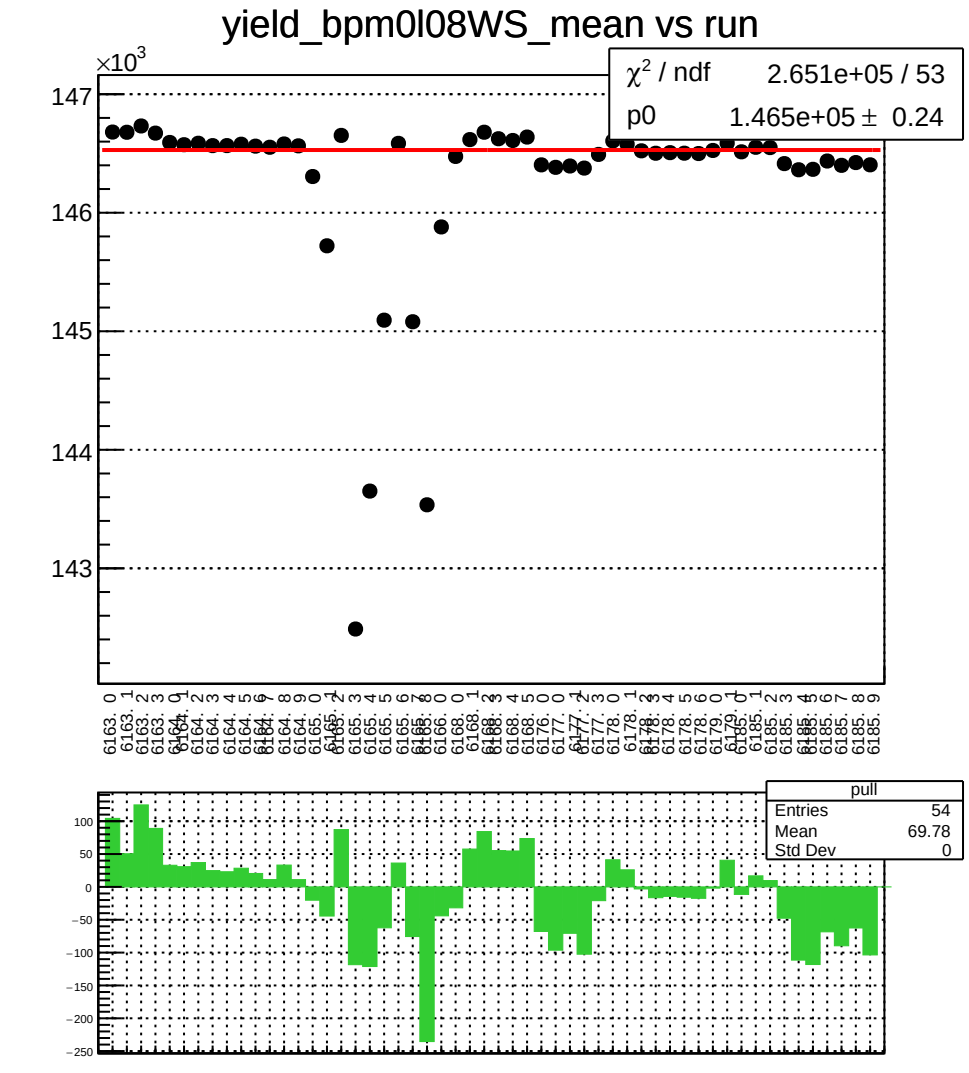

pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

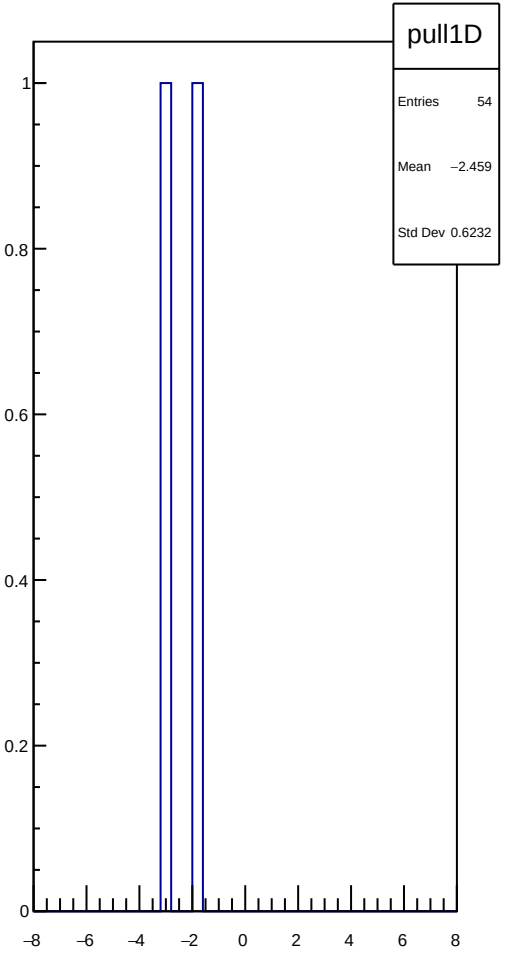

yield_bpm0l06WS_rms vs run
χ² / ndf 1.632e+05 / 53
p0 145 ± 0.1554
3000
2500
2000
1500
1000
500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

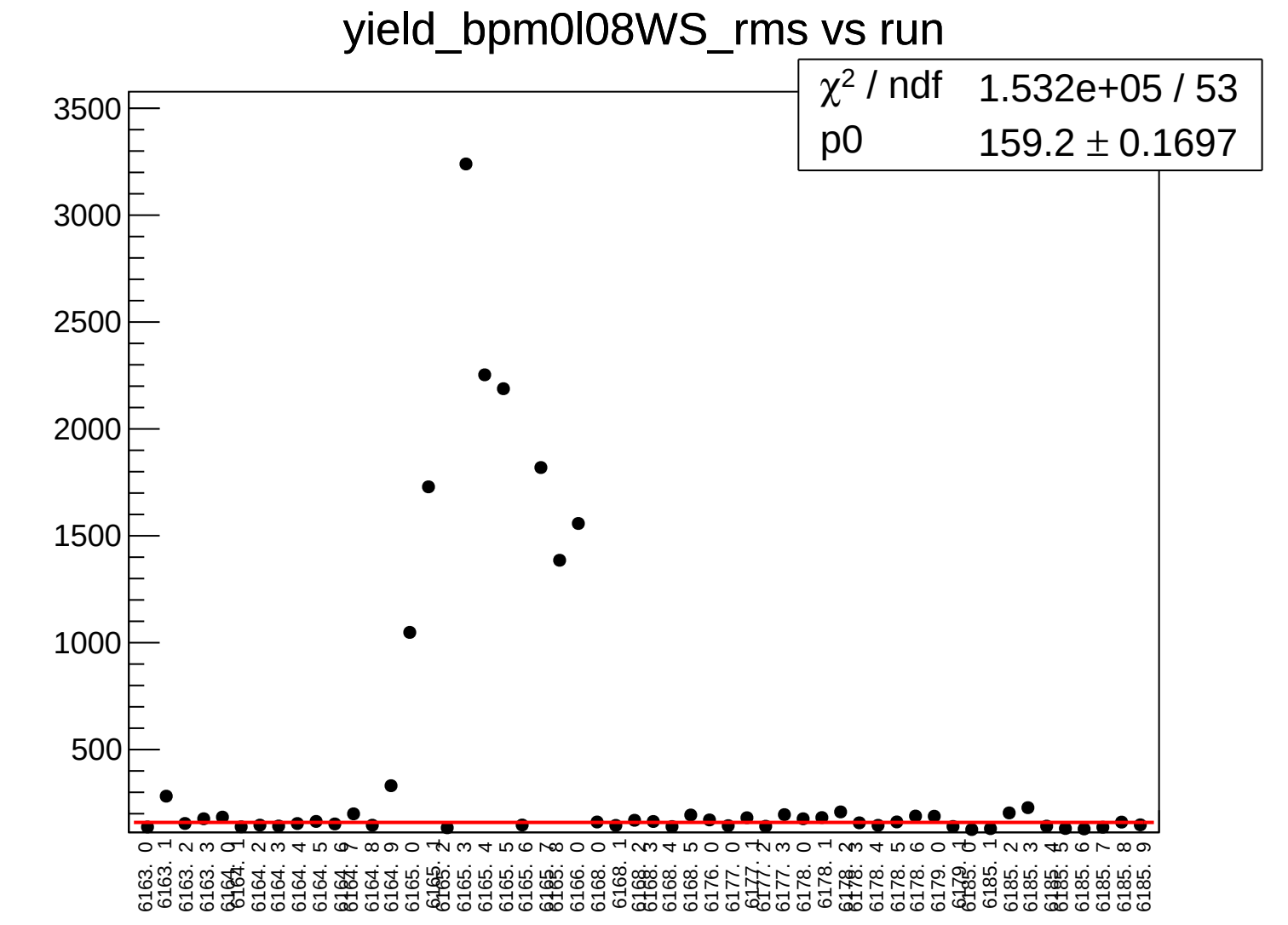

yield_bpm0l07WS_mean vs run
×10^3
χ² / ndf 1.614e+05 / 53
p0 1.434e+05 ± 0.235
143
142
141
140
139
pull
Entries 54
Mean 39.71
Std Dev 0
100
50
0
−50
−100
−150
−200
−250

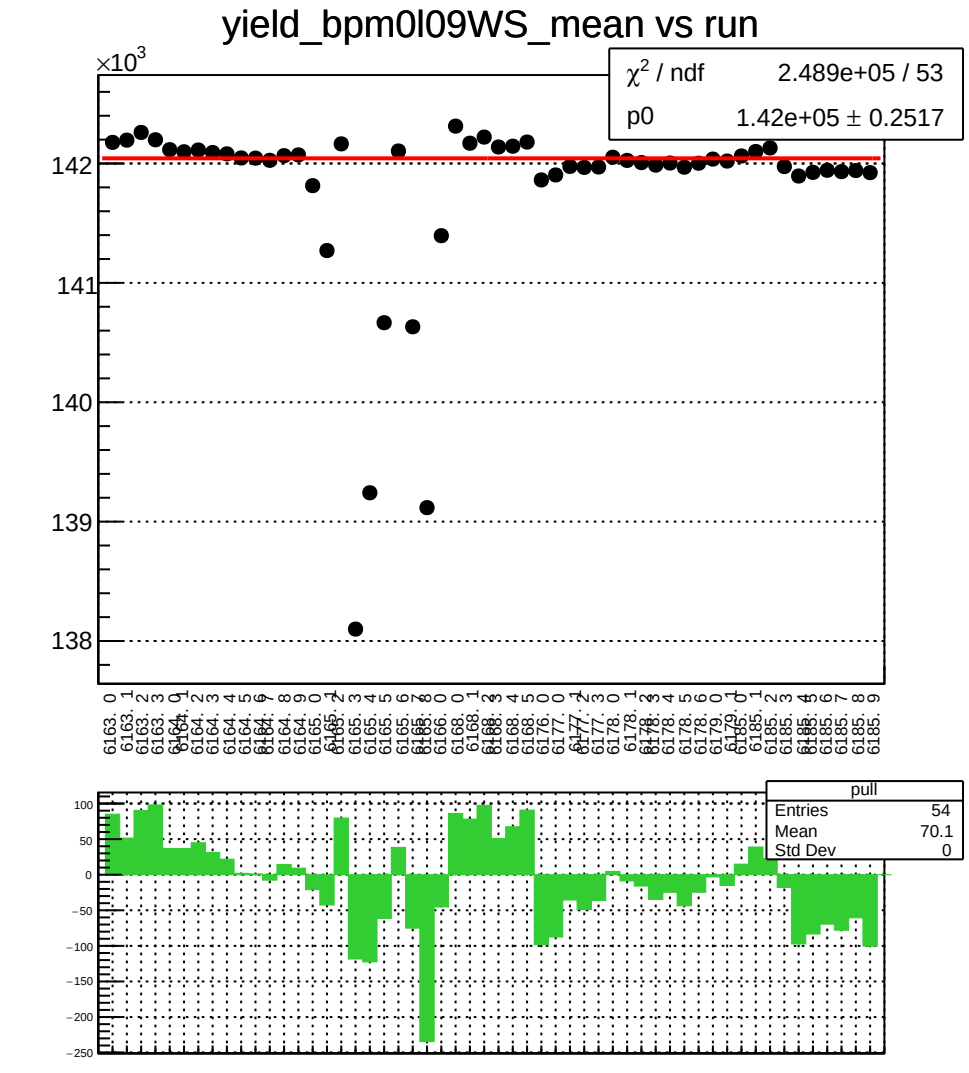

pull1D
Entries 54
Mean −1.371
Std Dev 4.733
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

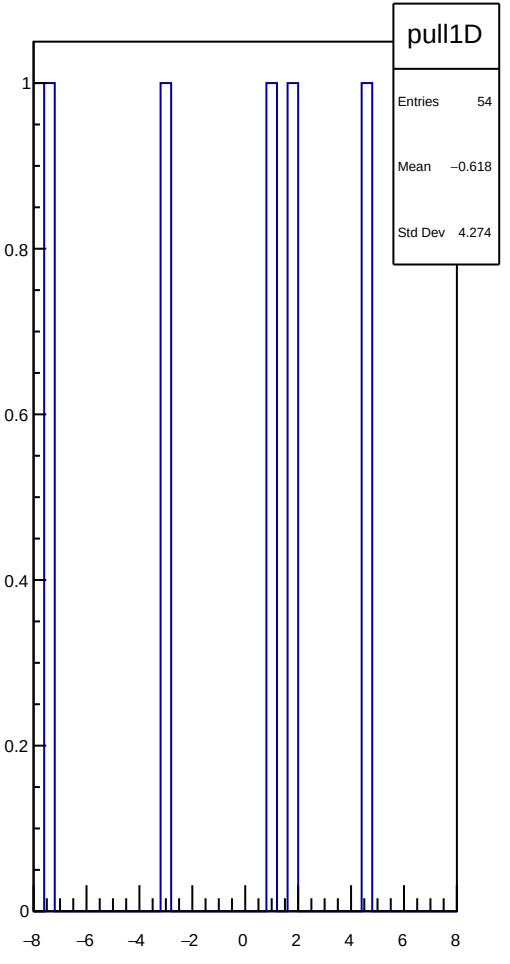

yield_bpm0l07WS_rms vs run
χ² / ndf 1.527e+05 / 53
p0 155.9 ± 0.1661
3500
3000
2500
2000
1500
1000
500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

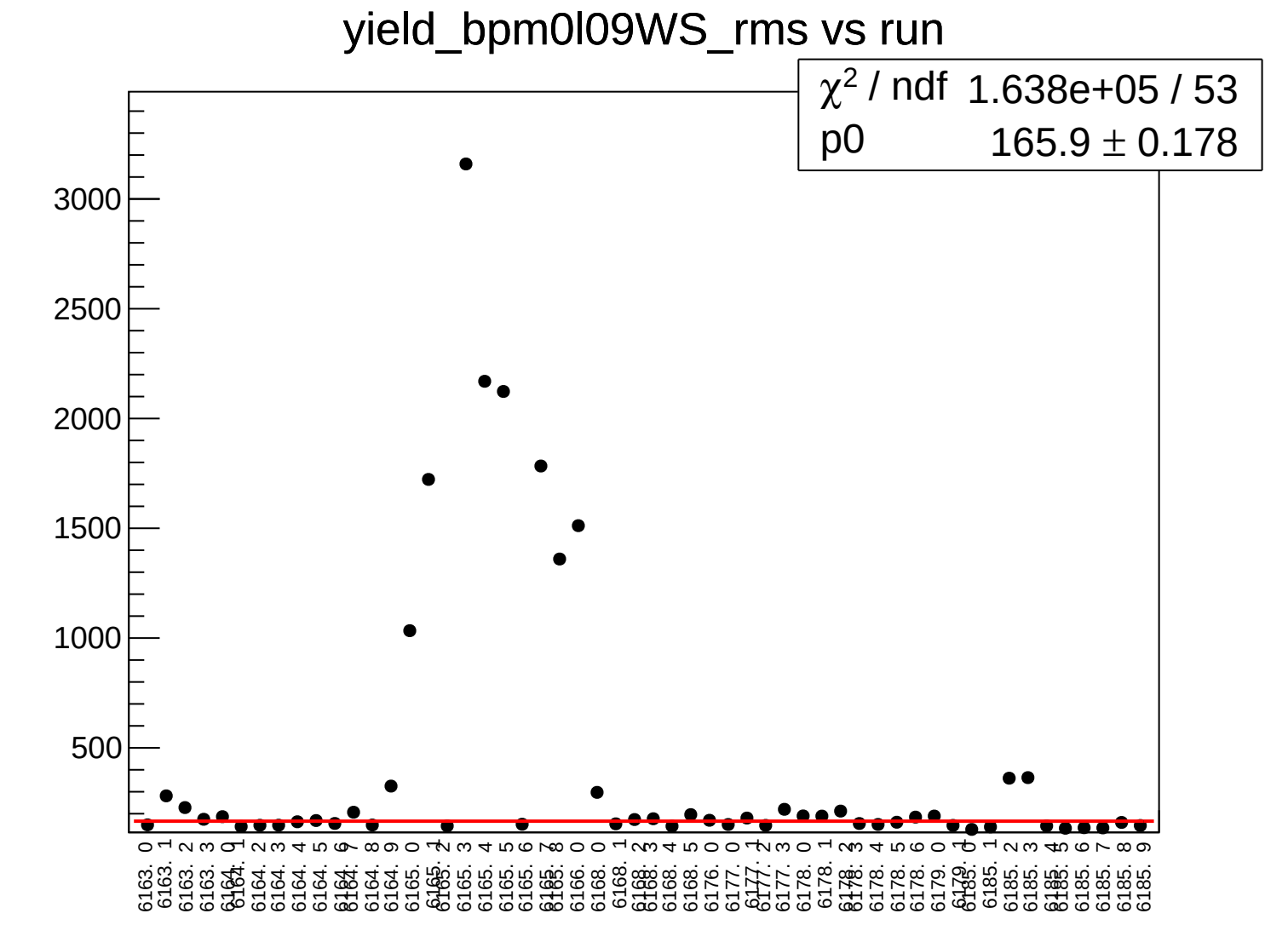

yield_bpm0l08WS_mean vs run
×10^3
χ² / ndf 2.651e+05 / 53
p0 1.465e+05 ± 0.24
147
146
145
144
143
pull
Entries 54
Mean 69.78
Std Dev 0
100
50
0
−50
−100
−150
−200
−250

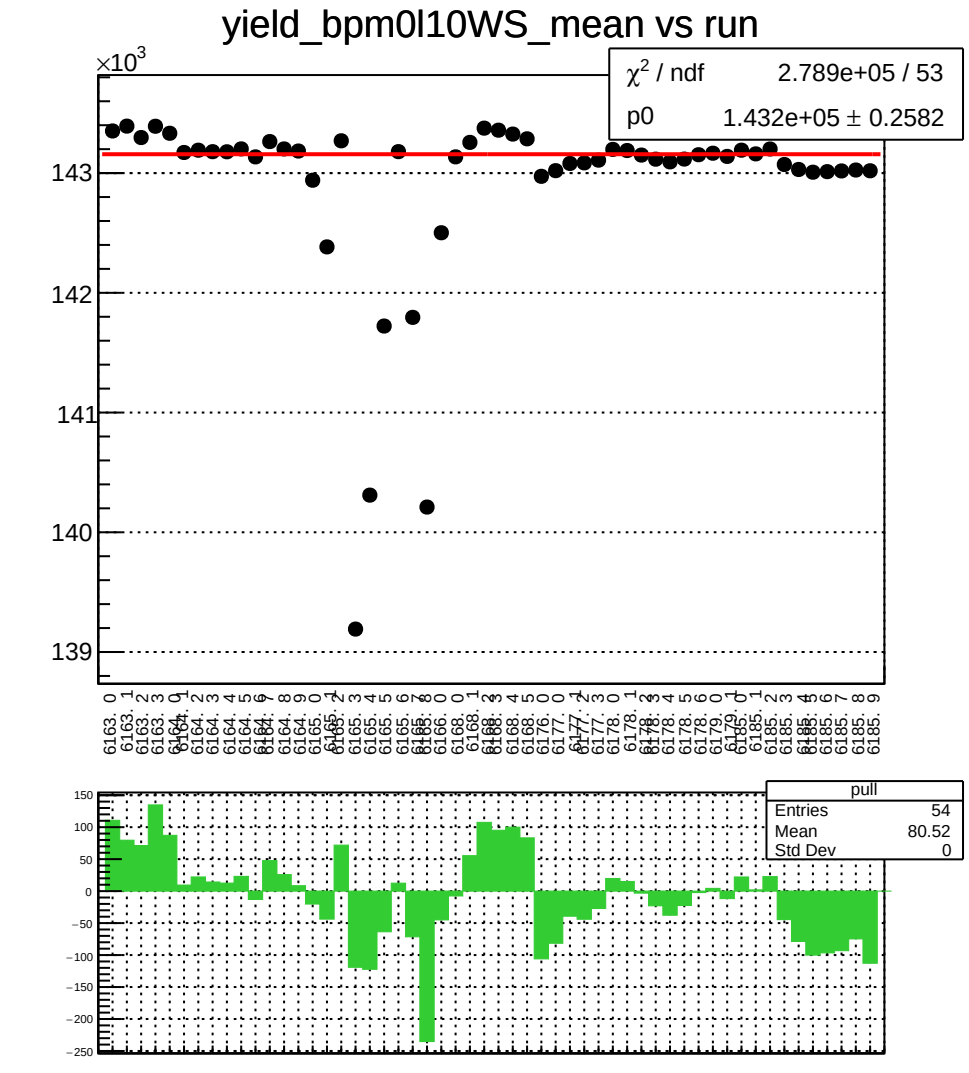

pull1D
Entries 54
Mean −2.459
Std Dev 0.6232
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

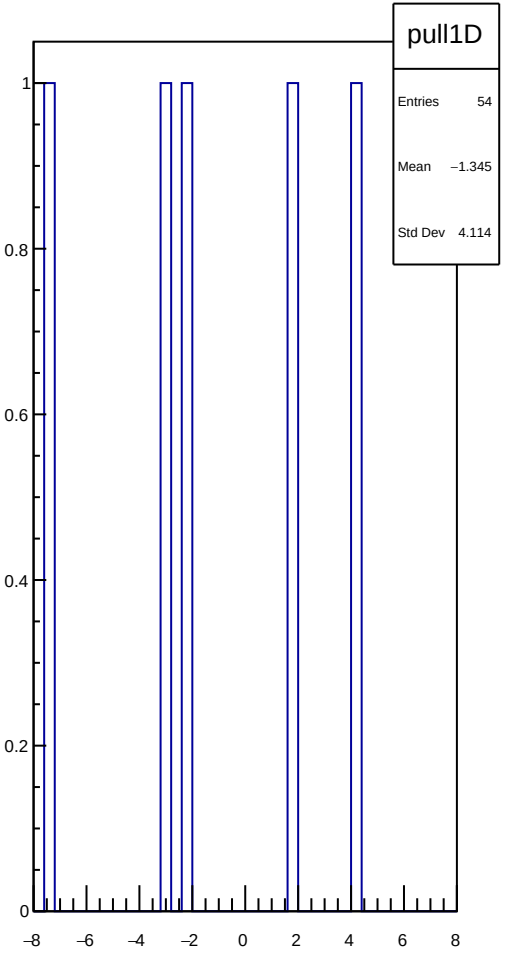

yield_bpm0l08WS_rms vs run
χ² / ndf 1.532e+05 / 53
p0 159.2 ± 0.1697
3500
3000
2500
2000
1500
1000
500
6163. 0
6163. 1
6163. 2
6163. 3
6163. 4
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 2
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

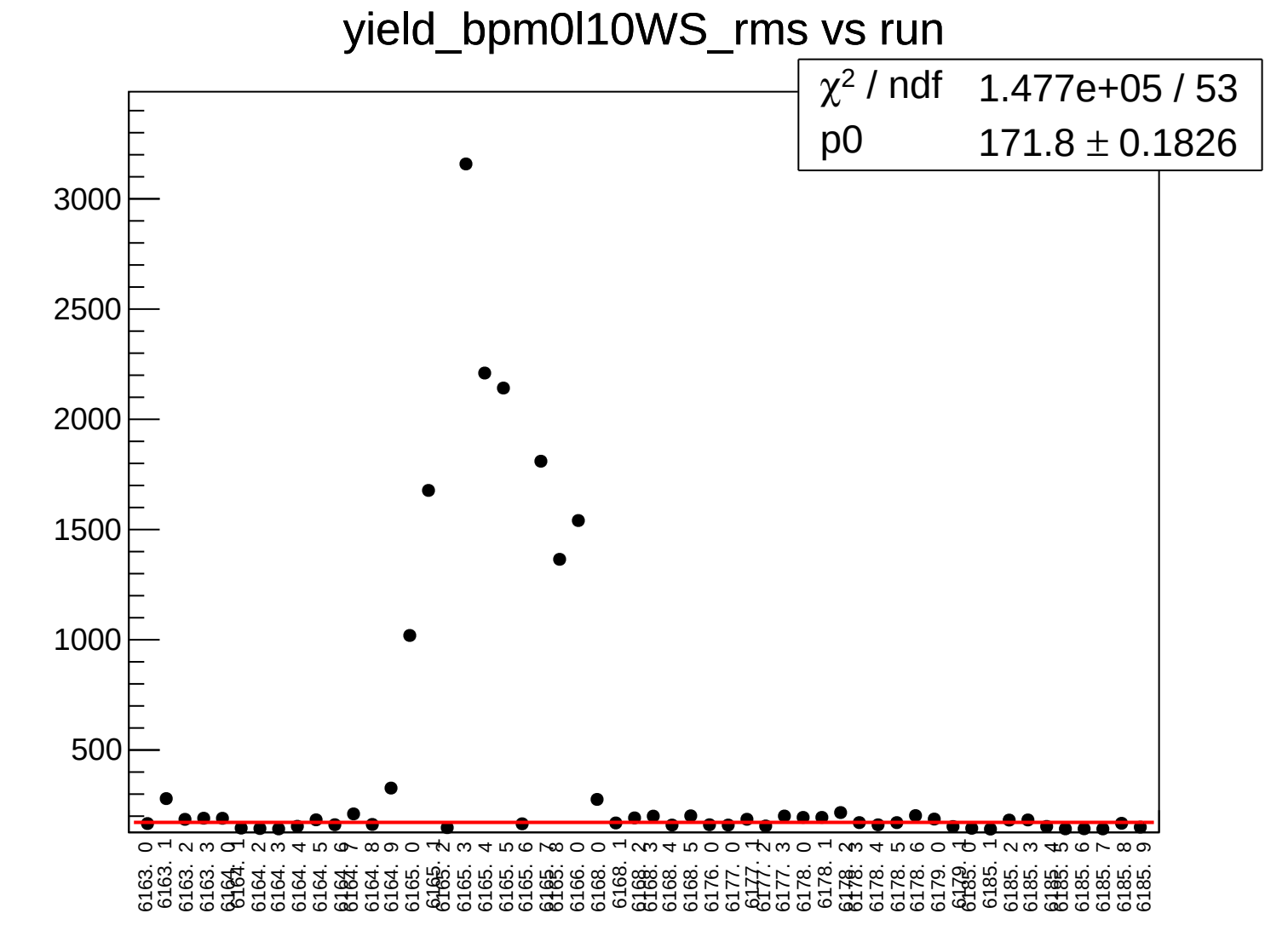

yield_bpm0l09WS_mean vs run
×10^3
χ² / ndf 2.489e+05 / 53
p0 1.42e+05 ± 0.2517
142
141
140
139
138
pull
Entries 54
Mean 70.1
Std Dev 0
100
50
0
−50
−100
−150
−200
−250

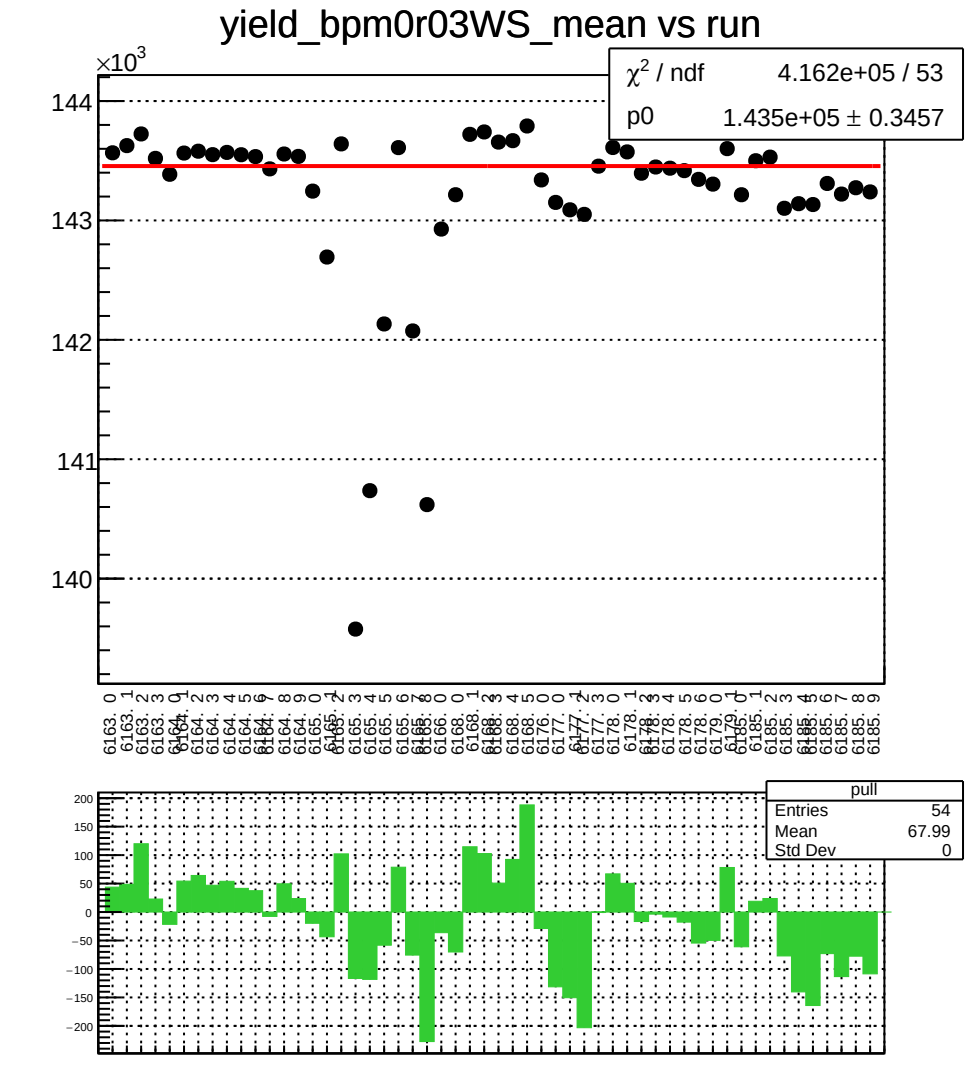

pull1D
Entries 54
Mean −0.618
Std Dev 4.274
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

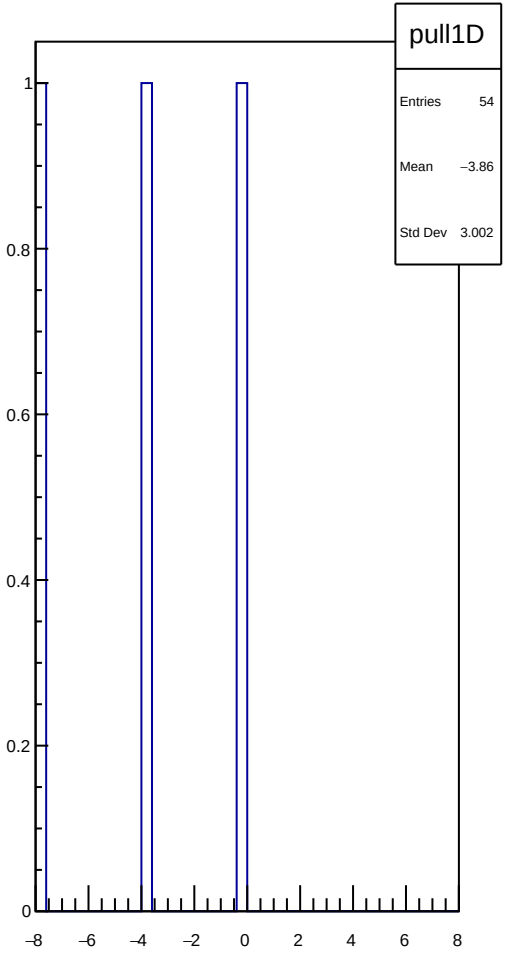

yield_bpm0l09WS_rms vs run
χ² / ndf 1.638e+05 / 53
p0 165.9 ± 0.178
3000
2500
2000
1500
1000
500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

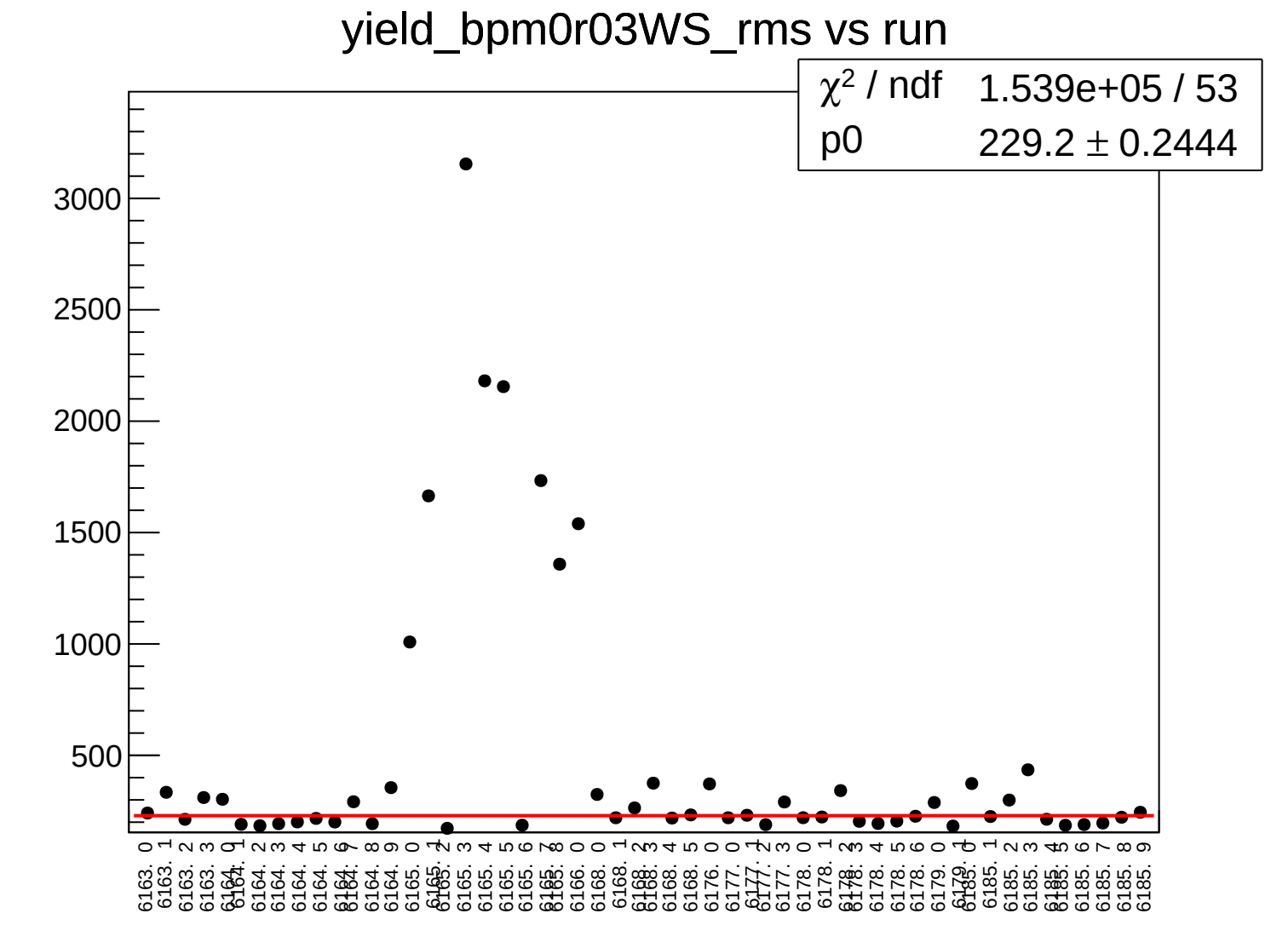

yield_bpm0l10WS_mean vs run
×10^3
χ² / ndf 2.789e+05 / 53
p0 1.432e+05 ± 0.2582
143
142
141
140
139
pull
Entries 54
Mean 80.52
Std Dev 0
150
100
50
0
−50
−100
−150
−200
−250

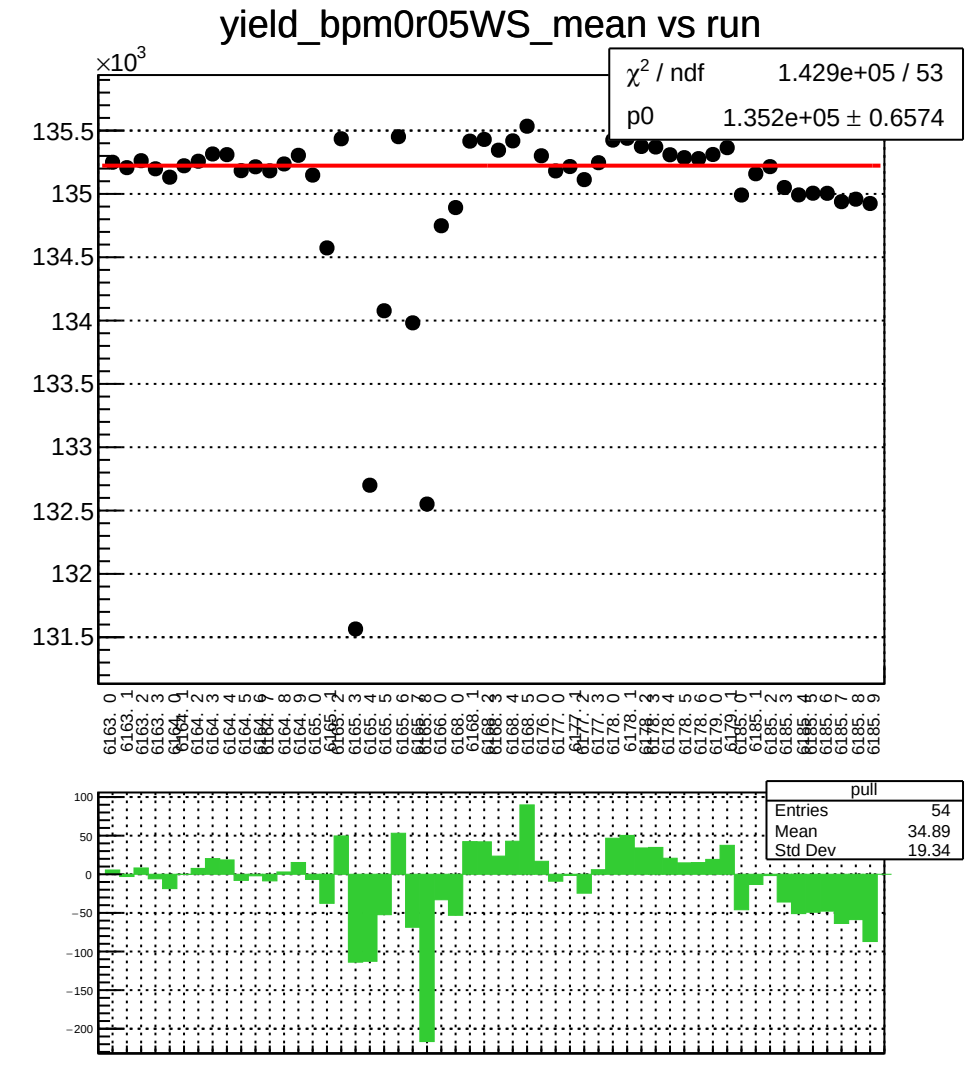

pull1D
Entries 54
Mean −1.345
Std Dev 4.114
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

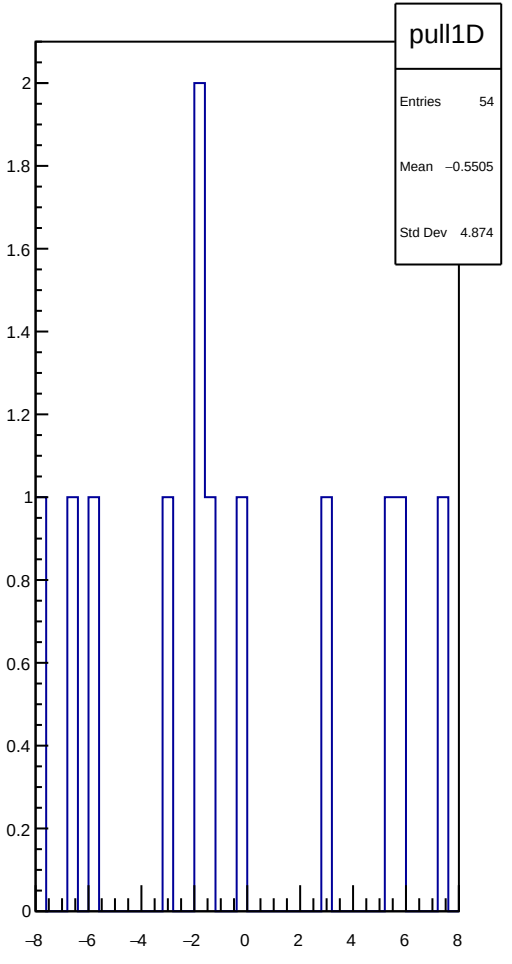

yield_bpm0l10WS_rms vs run
χ² / ndf 1.477e+05 / 53
p0 171.8 ± 0.1826
3000
2500
2000
1500
1000
500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

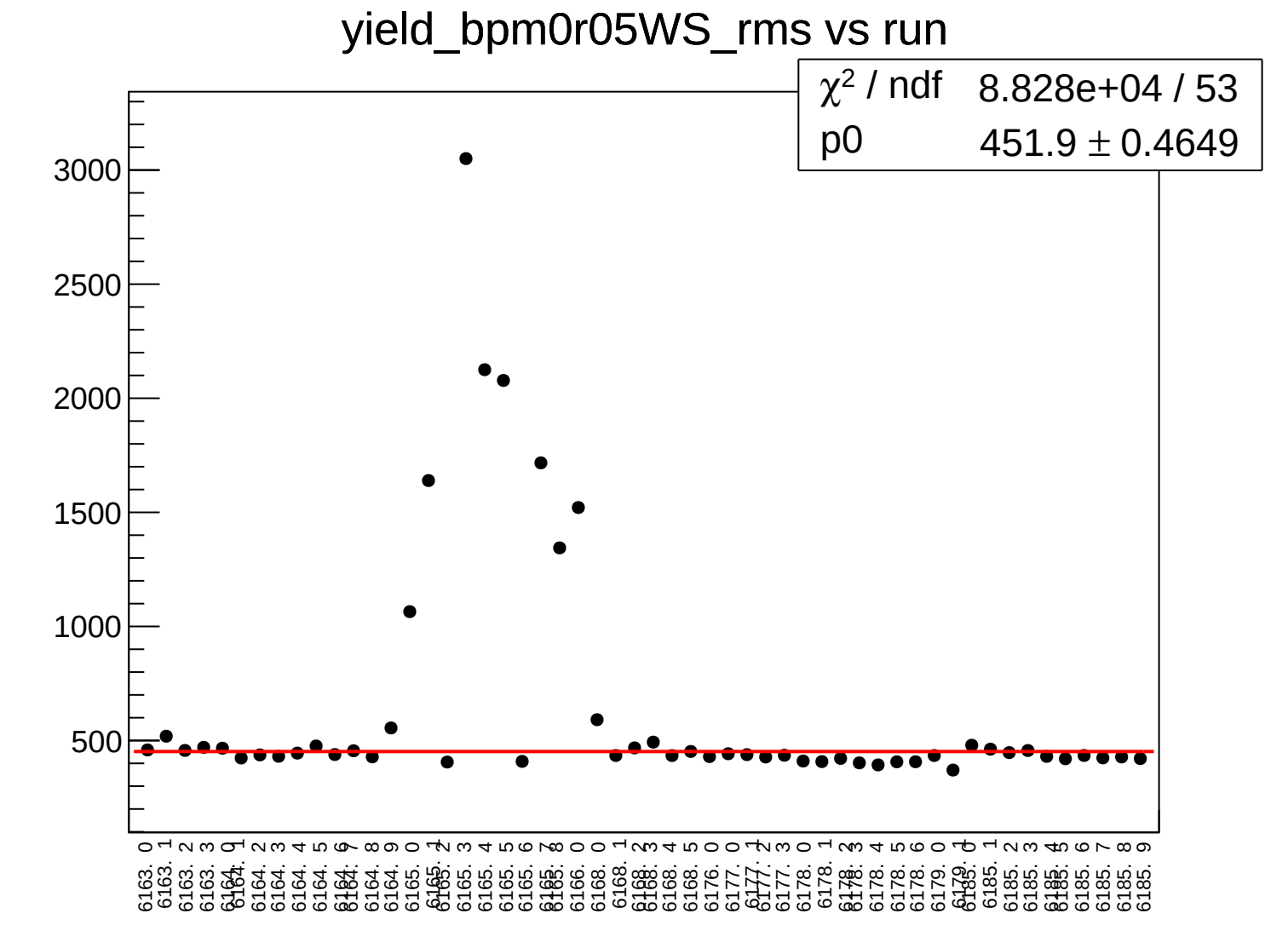

yield_bpm0r03WS_mean vs run
×10^3
χ² / ndf 4.162e+05 / 53
p0 1.435e+05 ± 0.3457
144
143
142
141
140
pull
Entries 54
Mean 67.99
Std Dev 0
200
150
100
50
0
−50
−100
−150
−200

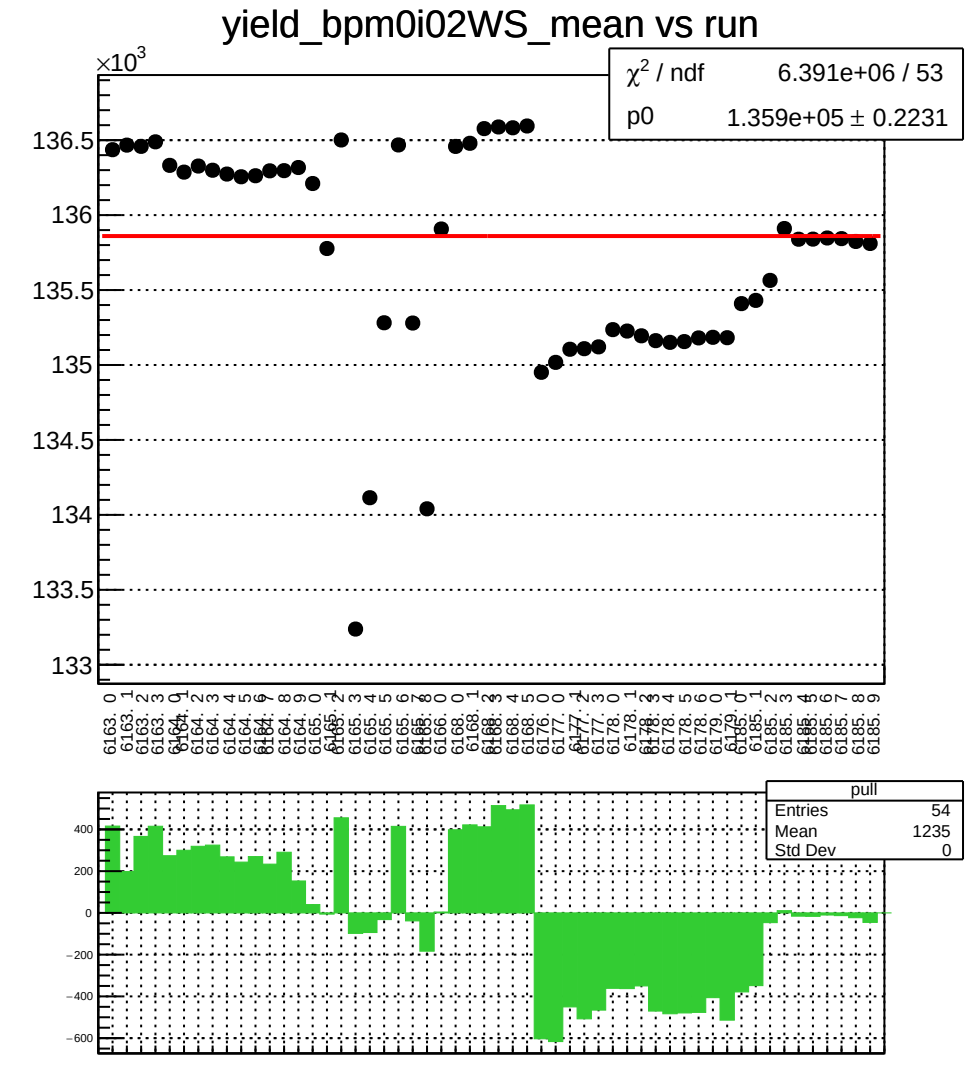

pull1D
Entries 54
Mean −3.86
Std Dev 3.002
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

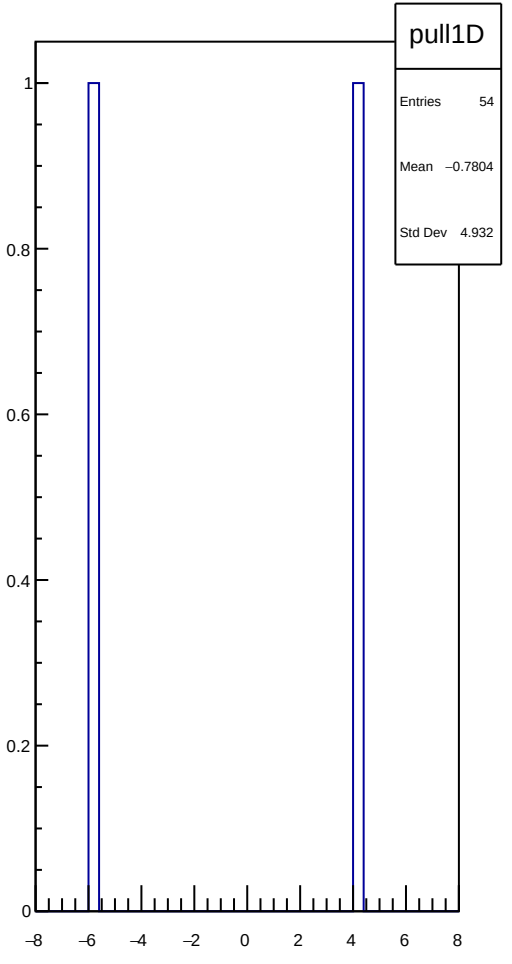

yield_bpm0r03WS_rms vs run
χ² / ndf 1.539e+05 / 53
p0 229.2 ± 0.2444
3000
2500
2000
1500
1000
500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

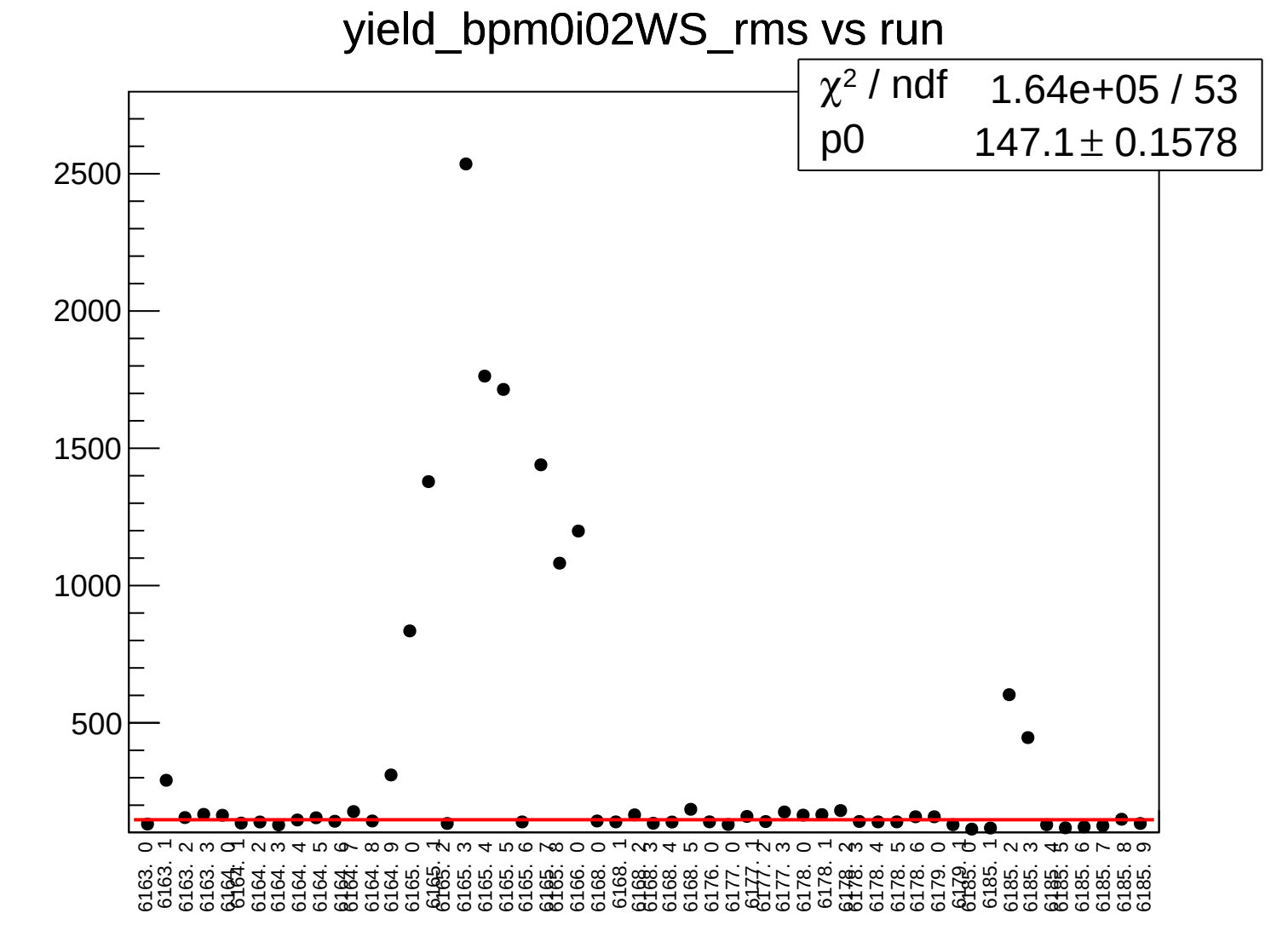

yield_bpm0r05WS_mean vs run
×10^3
χ² / ndf 1.429e+05 / 53
p0 1.352e+05 ± 0.6574
135.5
135
134.5
134
133.5
133
132.5
132
131.5
pull
Entries 54
Mean 34.89
Std Dev 19.34
100
50
0
−50
−100
−150
−200

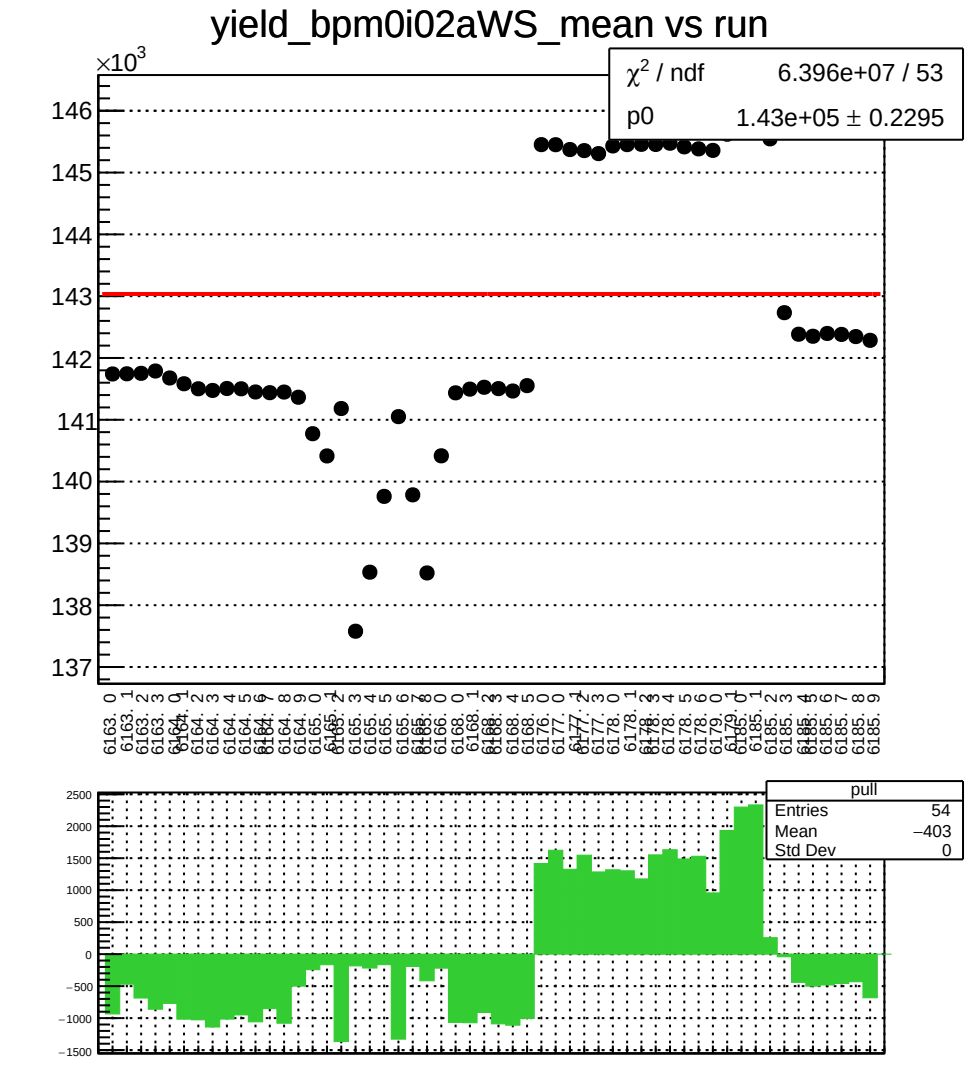

pull1D
Entries 54
Mean −0.5505
Std Dev 4.874
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

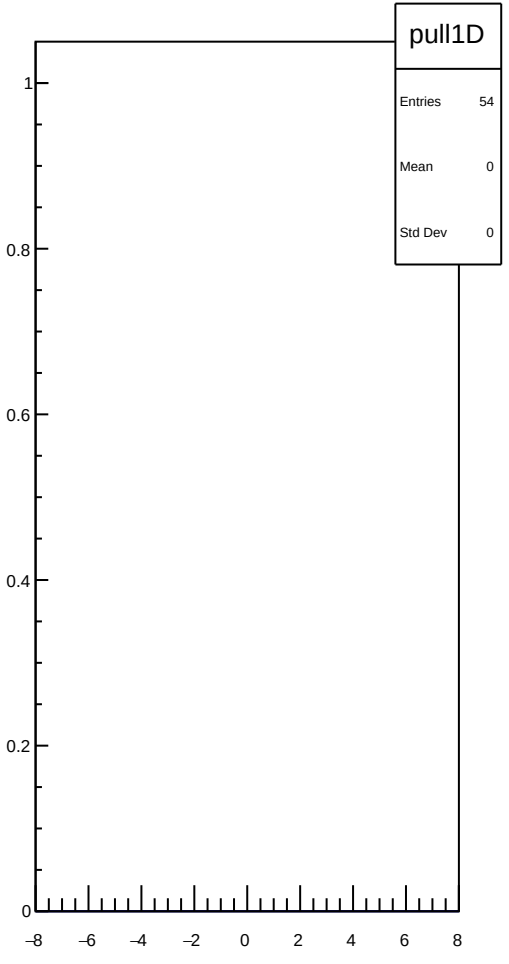

yield_bpm0r05WS_rms vs run
χ² / ndf 8.828e+04 / 53
p0 451.9 ± 0.4649
3000
2500
2000
1500
1000
500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

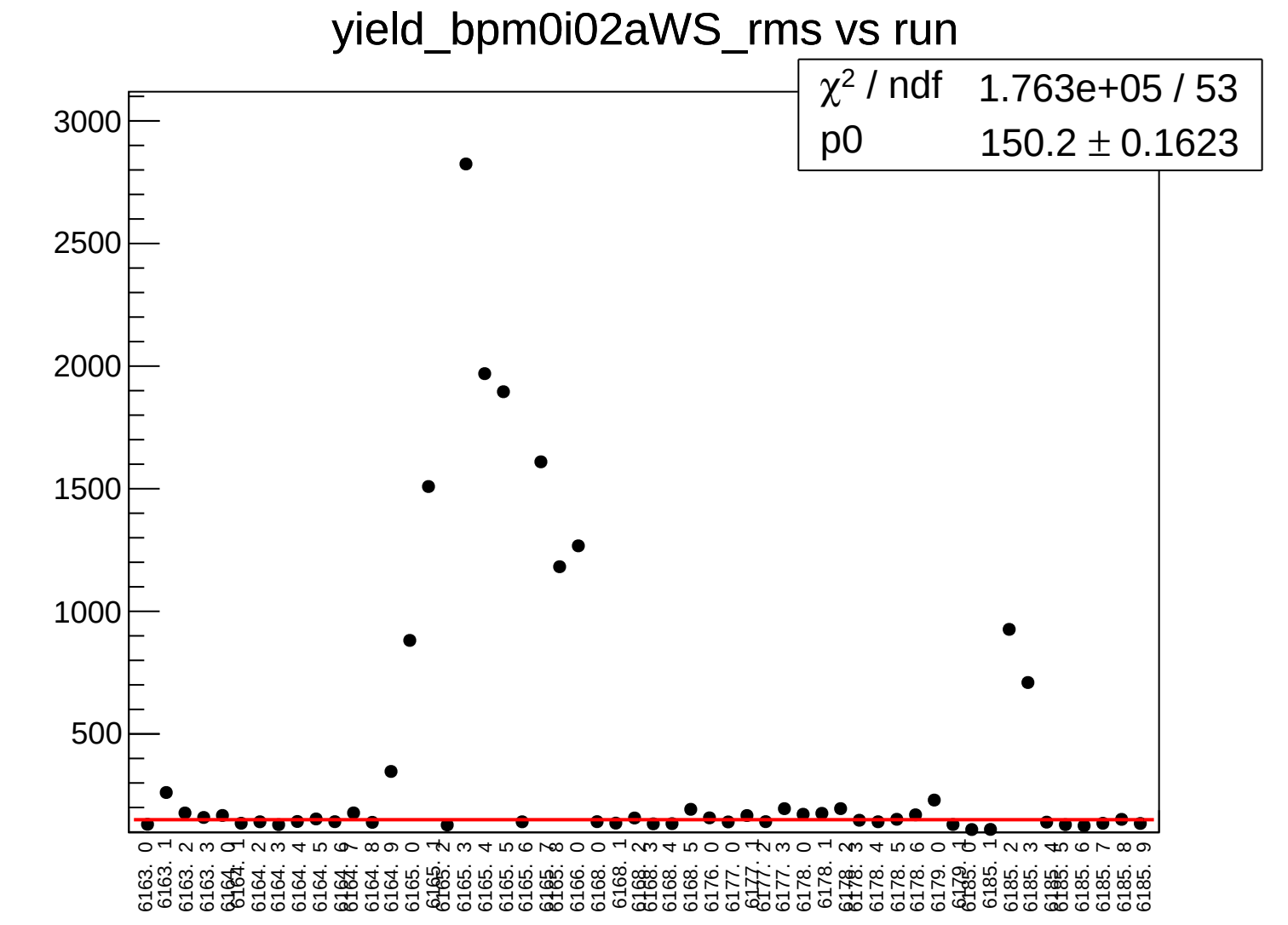

yield_bpm0i02WS_mean vs run
×10^3
χ² / ndf 6.391e+06 / 53
p0 1.359e+05 ± 0.2231
136.5
136
135.5
135
134.5
134
133.5
133
pull
Entries 54
Mean 1235
Std Dev 0
400
200
0
−200
−400
−600

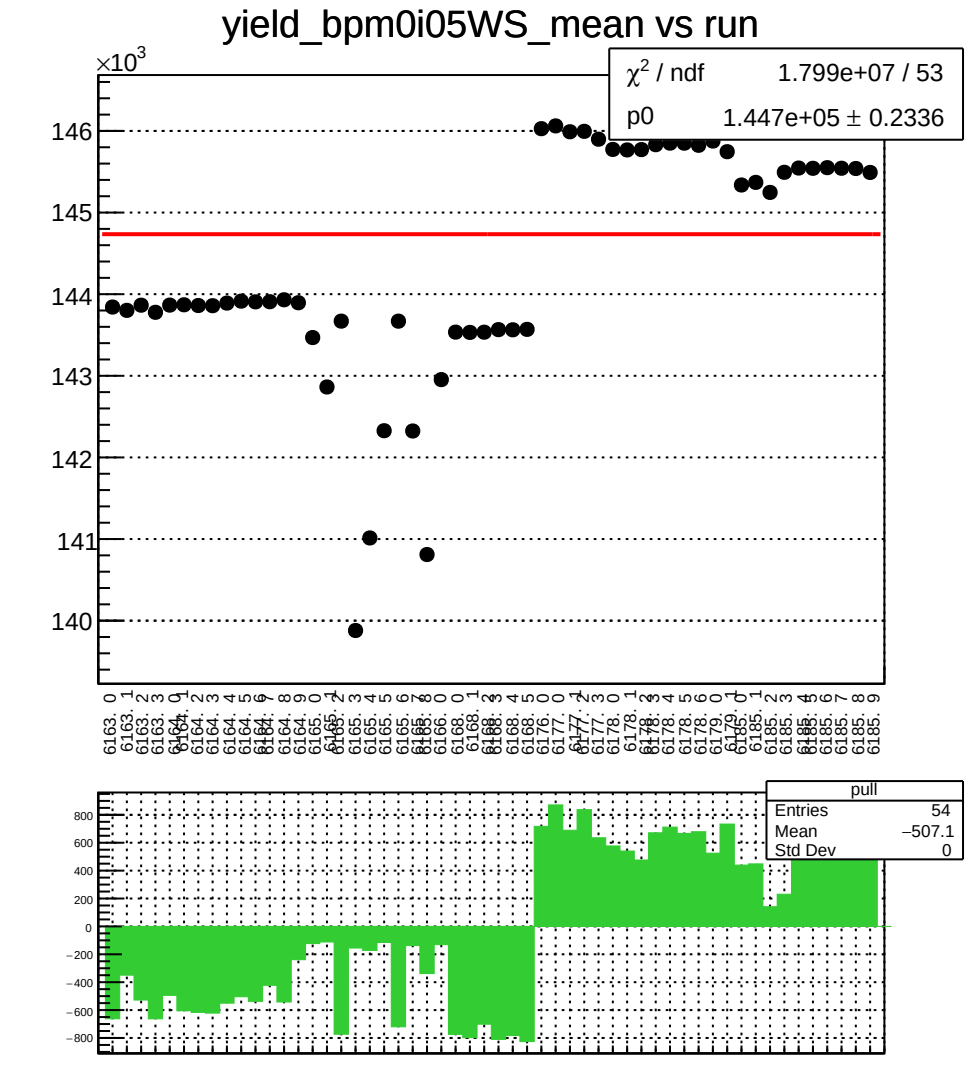

pull1D
Entries 54
Mean −0.7804
Std Dev 4.932
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

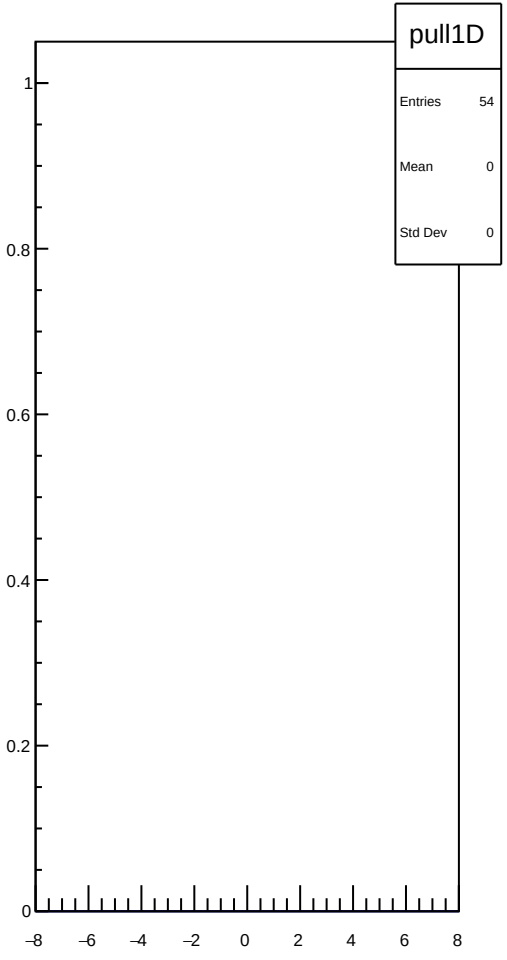

yield_bpm0i02WS_rms vs run
χ² / ndf 1.64e+05 / 53
p0 147.1 ± 0.1578
2500
2000
1500
1000
500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

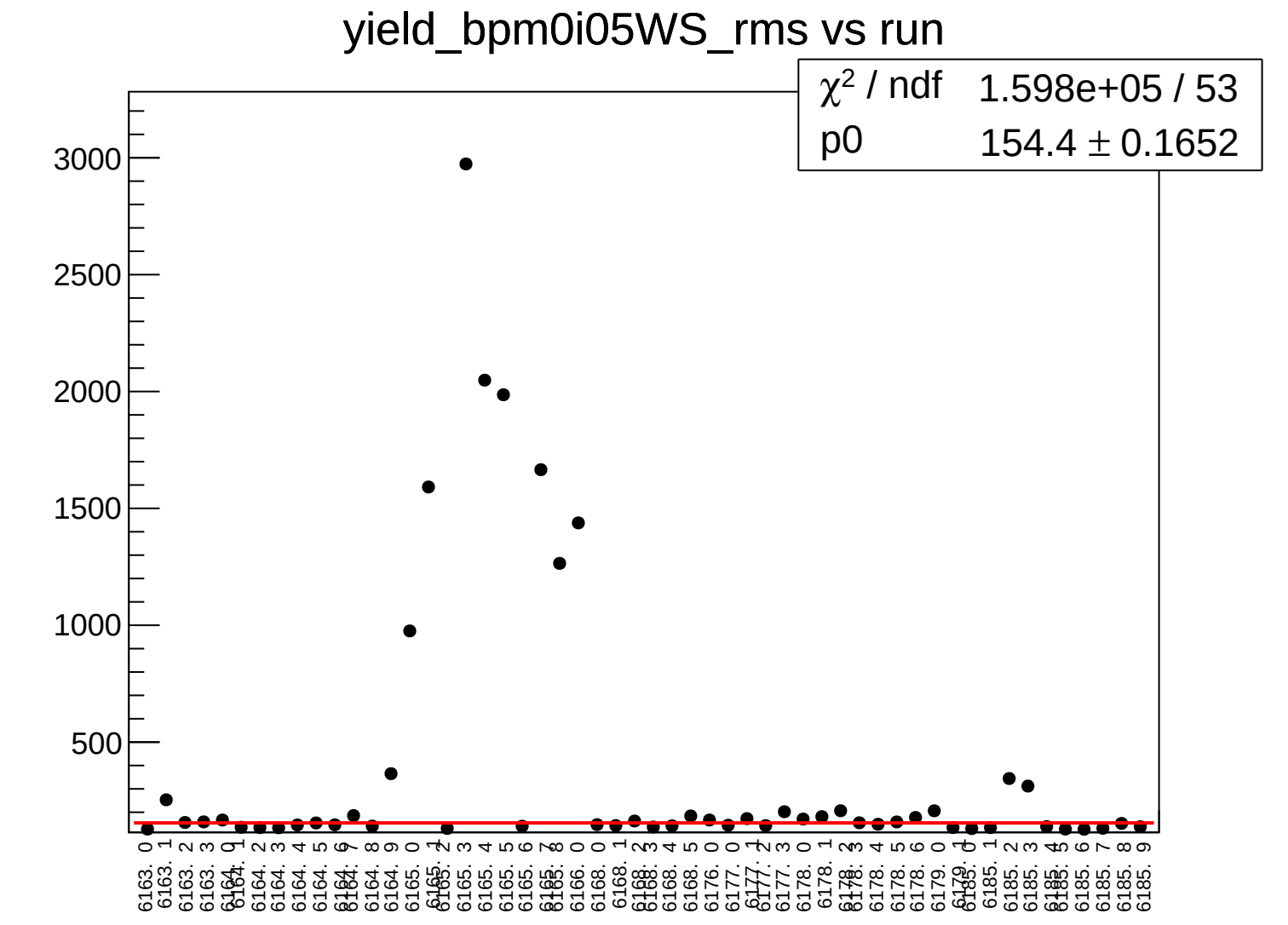

yield_bpm0i02aWS_mean vs run
×10^3
χ² / ndf 6.396e+07 / 53
p0 1.43e+05 ± 0.2295
pull
Entries 54
Mean −403
Std Dev 0

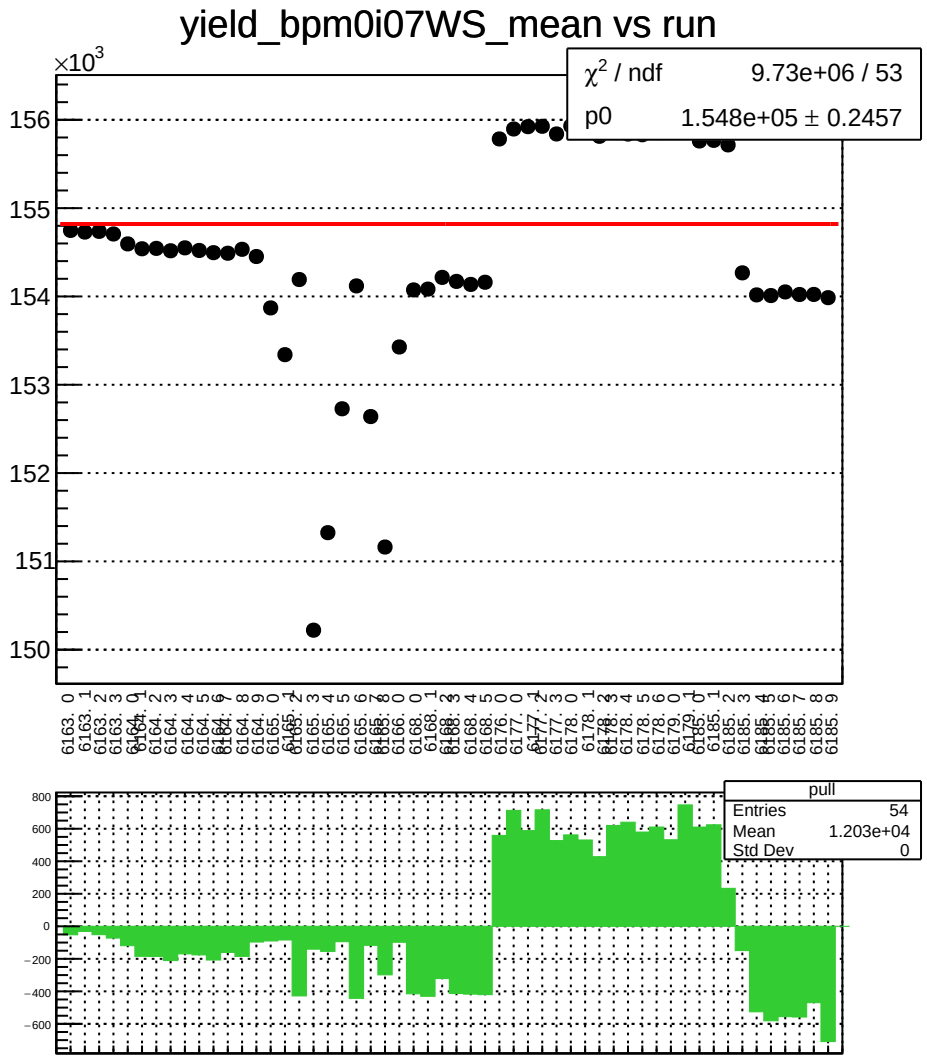

pull1D
Entries 54
Mean 0
Std Dev 0

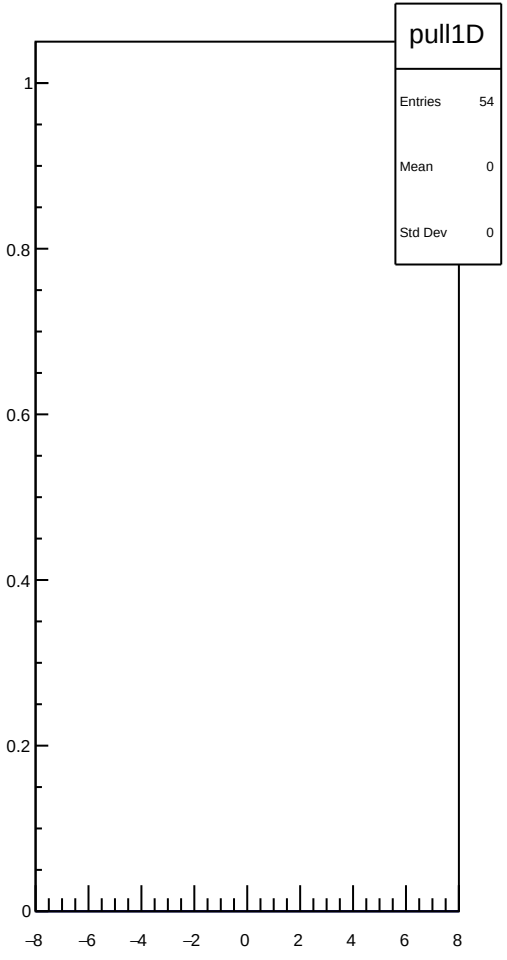

yield_bpm0i02aWS_rms vs run
χ² / ndf 1.763e+05 / 53
p0 150.2 ± 0.1623
3000
2500
2000
1500
1000
500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 1
6165. 2
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 3
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 4
6185. 5
6185. 6
6185. 7
6185. 8
6185. 9

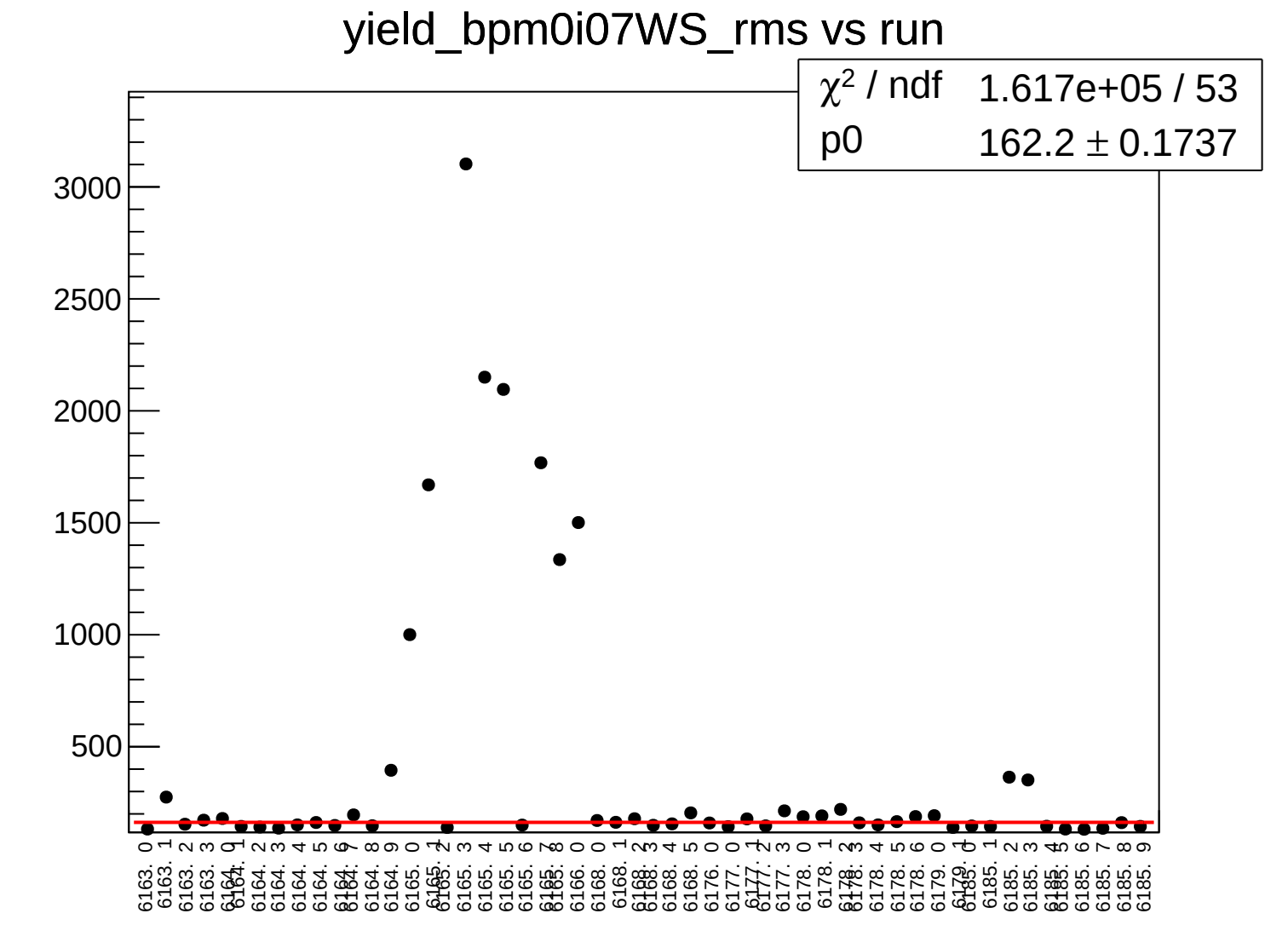

yield_bpm0i05WS_mean vs run
×10^3
χ² / ndf 1.799e+07 / 53
p0 1.447e+05 ± 0.2336
146
145
144
143
142
141
140
pull
Entries 54
Mean −507.1
Std Dev 0
800
600
400
200
0
−200
−400
−600
−800

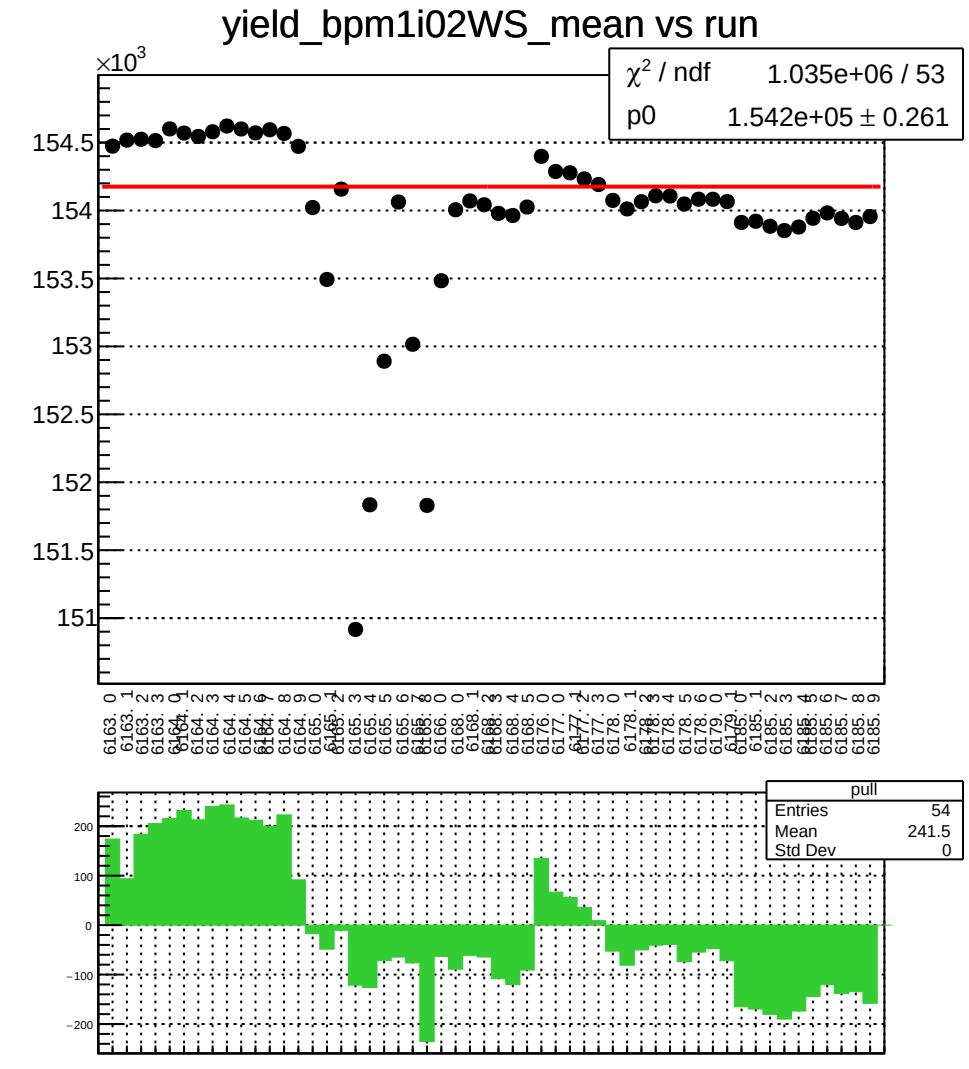

pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

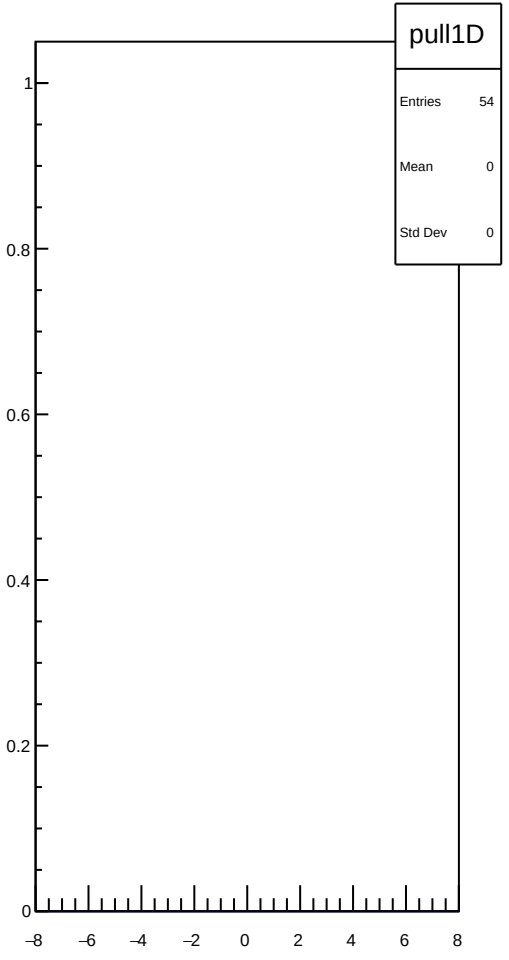

yield_bpm0i05WS_rms vs run
χ² / ndf 1.598e+05 / 53
p0 154.4 ± 0.1652
3000
2500
2000
1500
1000
500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

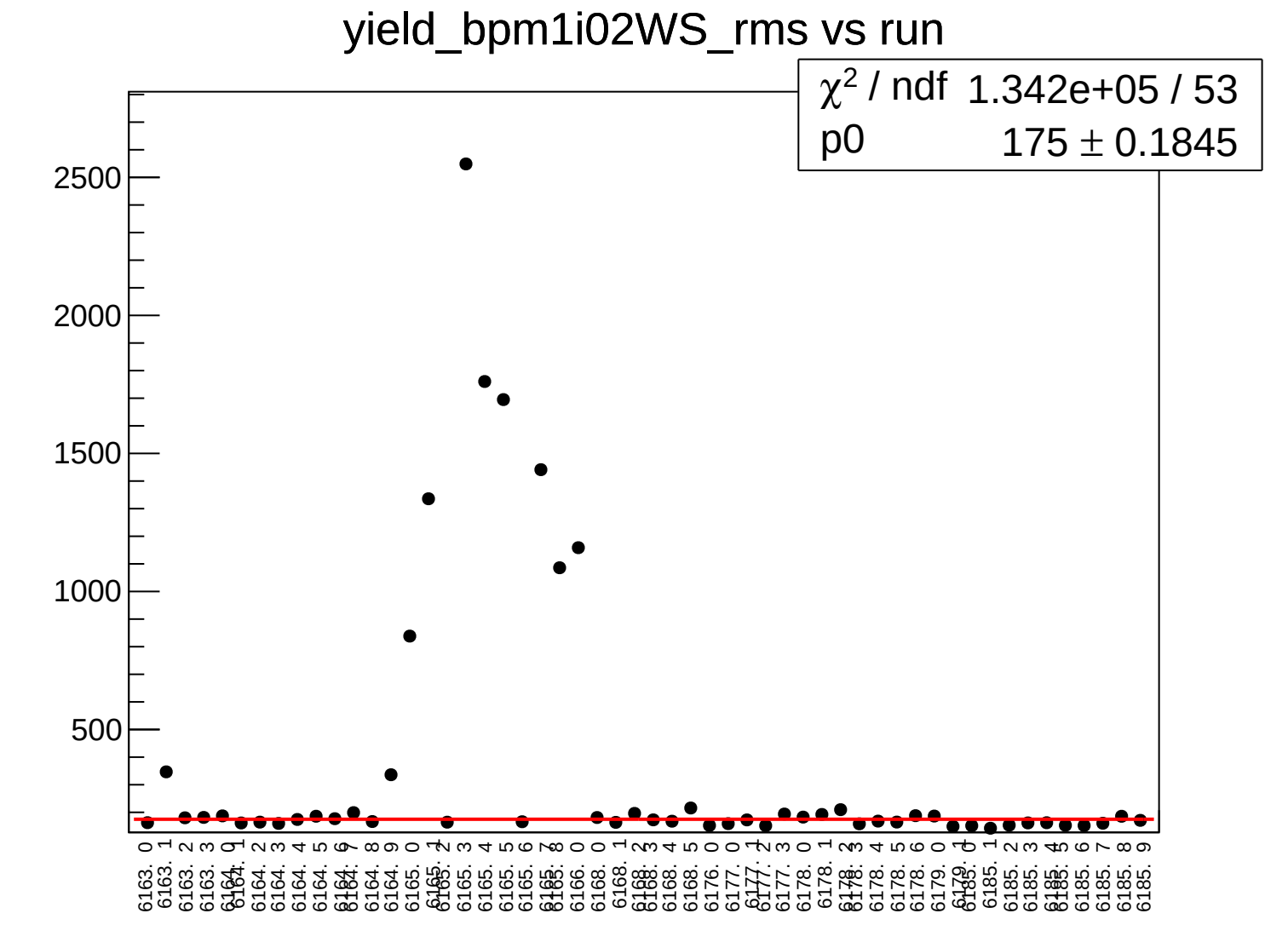

yield_bpm0i07WS_mean vs run
×10^3
χ² / ndf 9.73e+06 / 53
p0 1.548e+05 ± 0.2457
156
155
154
153
152
151
150
pull
Entries 54
Mean 1.203e+04
Std Dev 0
800
600
400
200
0
−200
−400
−600

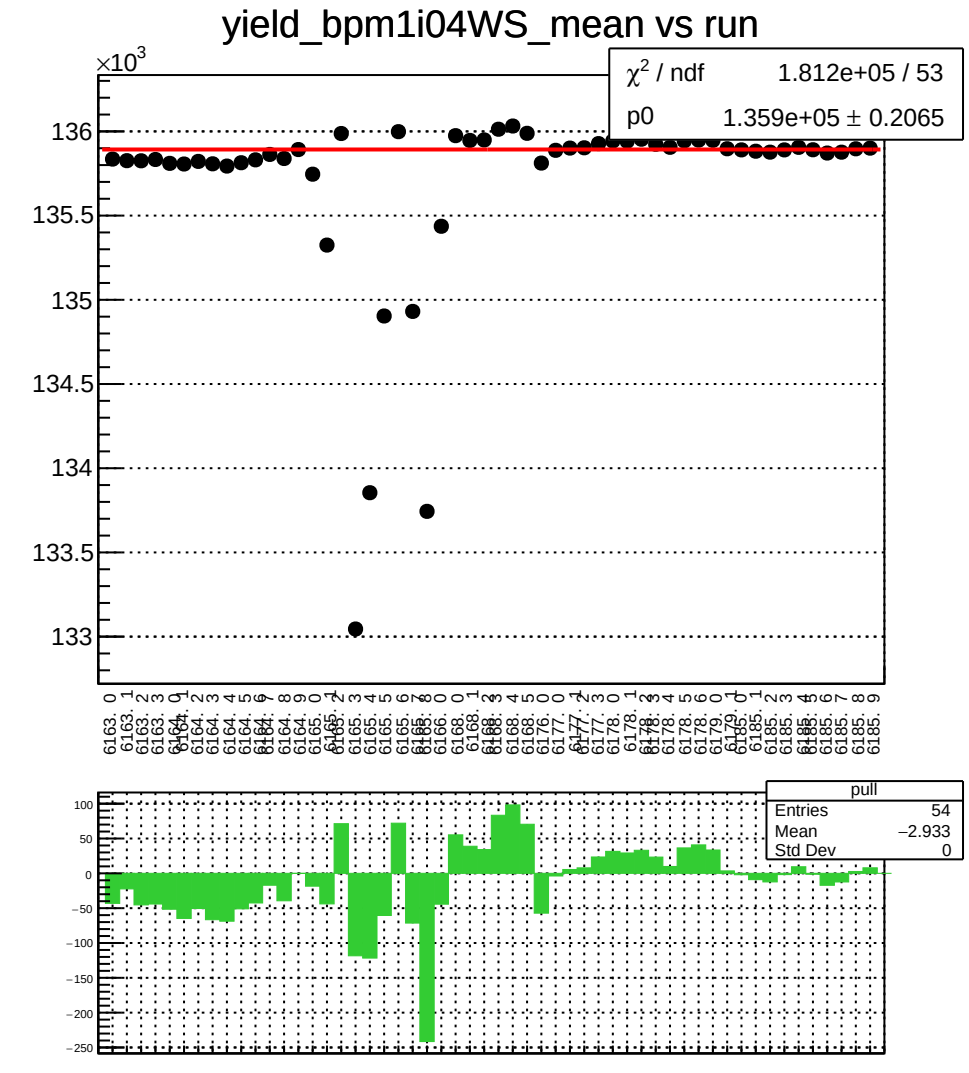

pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

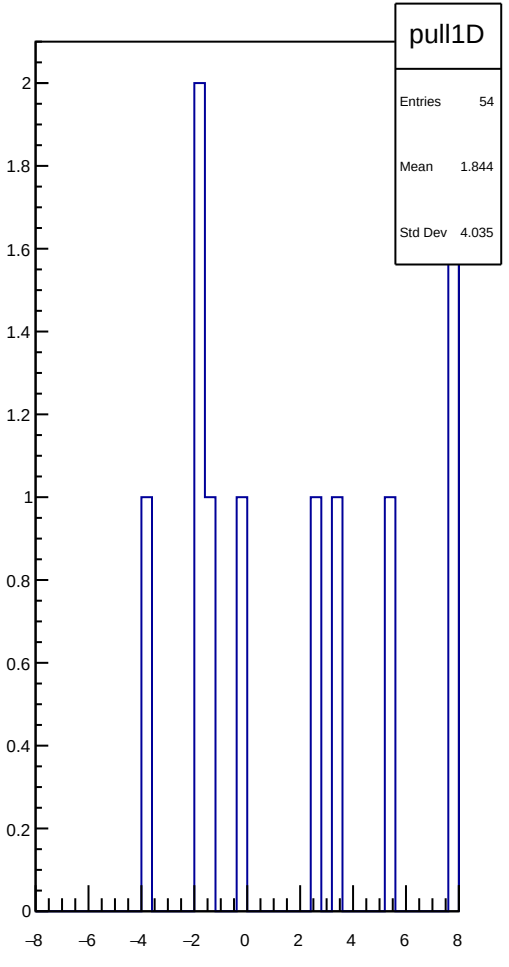

yield_bpm0i07WS_rms vs run
χ² / ndf 1.617e+05 / 53
p0 162.2 ± 0.1737
3000
2500
2000
1500
1000
500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

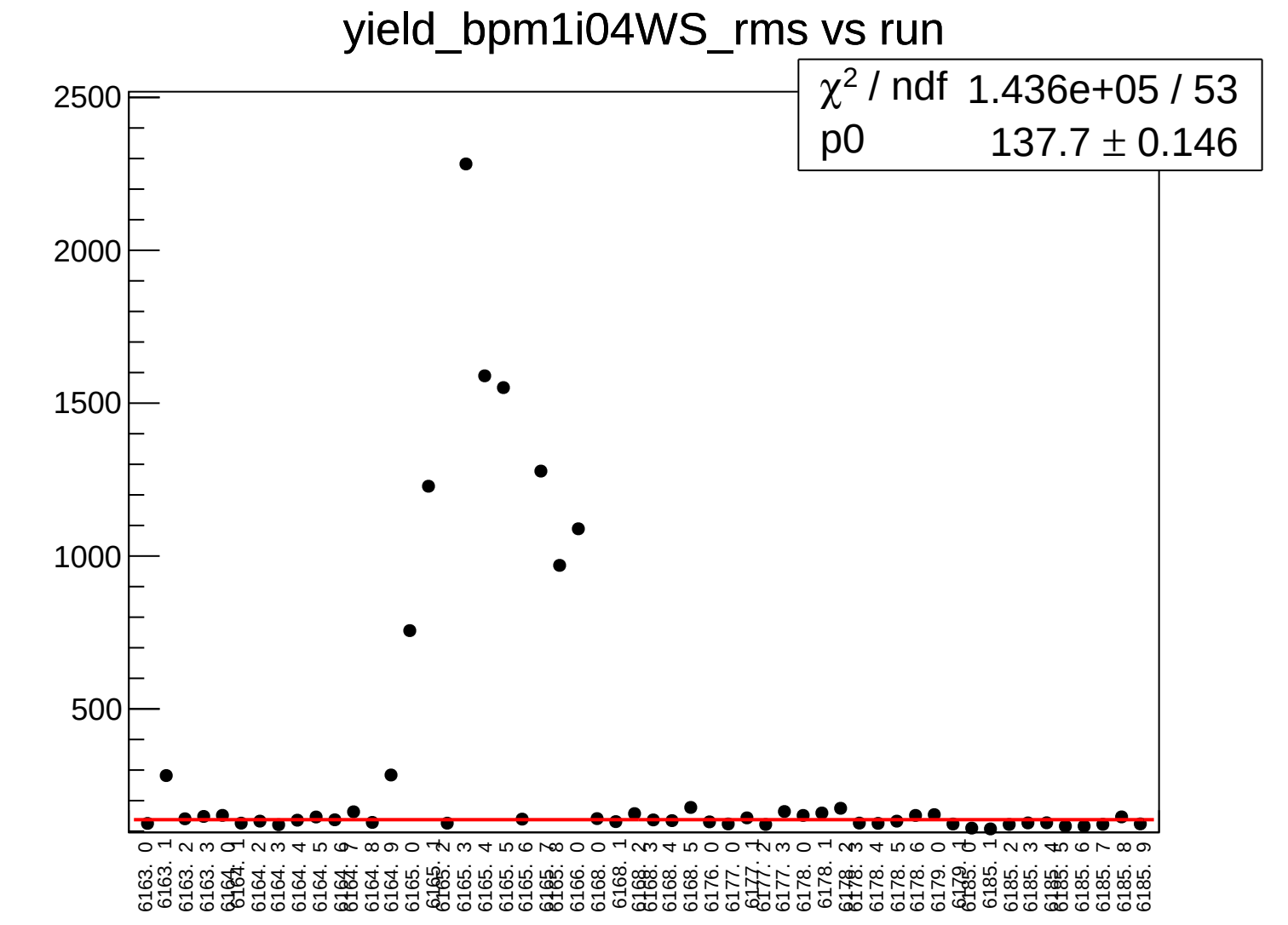

yield_bpm1i02WS_mean vs run
×10^3
χ² / ndf 1.035e+06 / 53
p0 1.542e+05 ± 0.261
154.5
154
153.5
153
152.5
152
151.5
151
pull
Entries 54
Mean 241.5
Std Dev 0
200
100
0
−100
−200

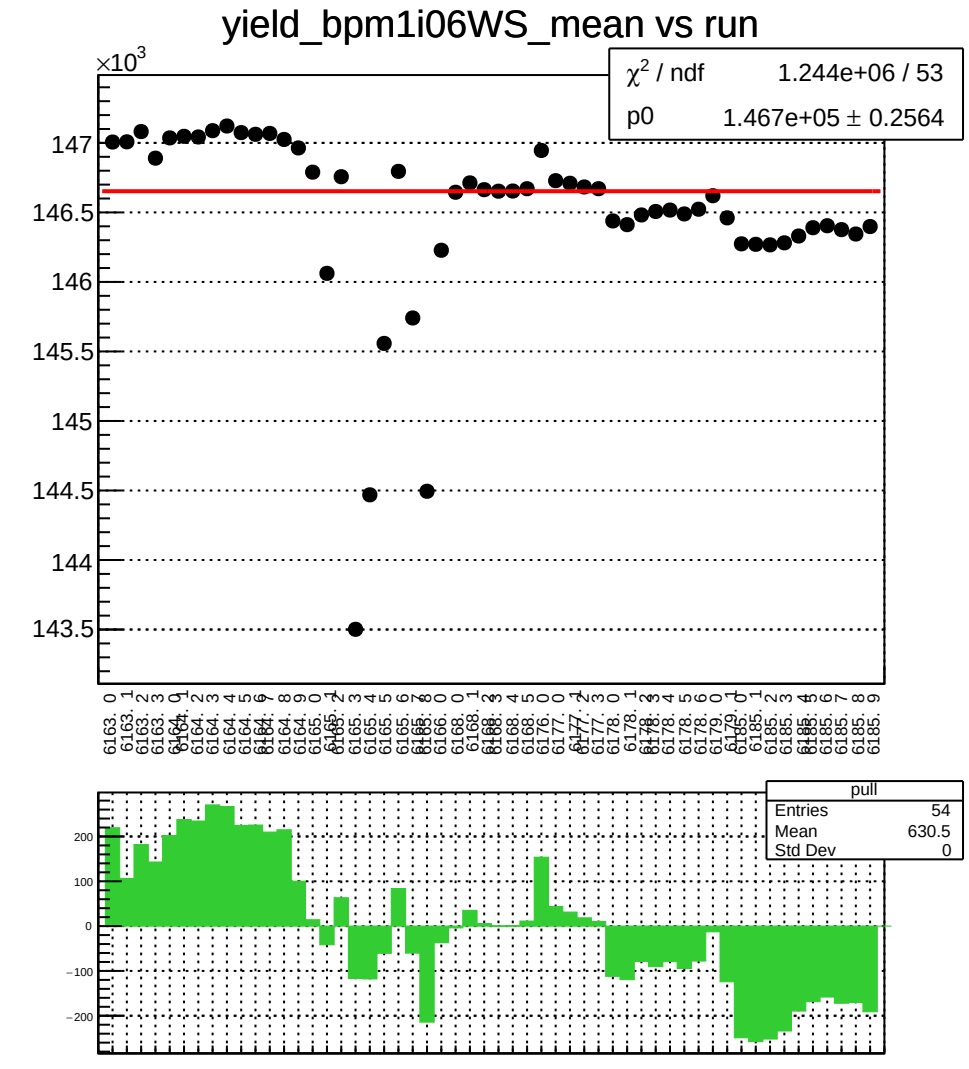

pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

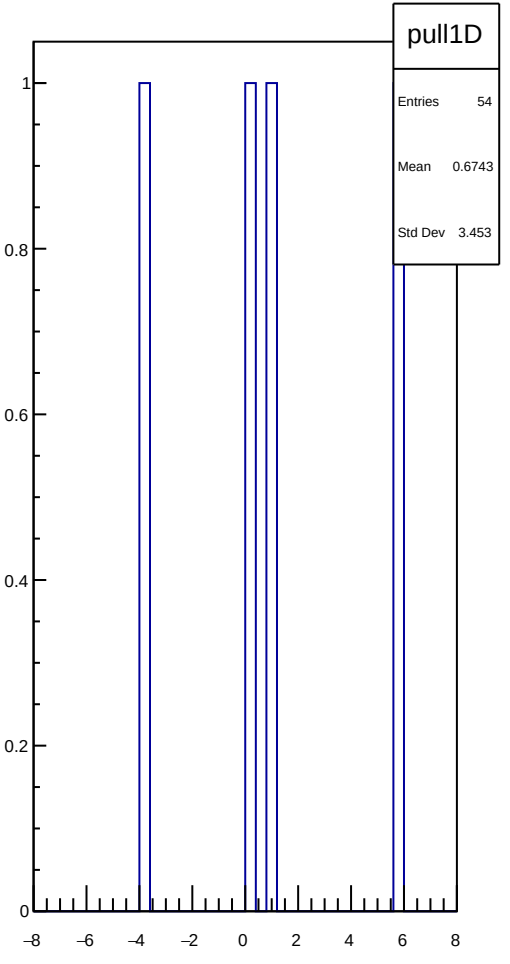

yield_bpm1i02WS_rms vs run
χ² / ndf 1.342e+05 / 53
p0 175 ± 0.1845
2500
2000
1500
1000
500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

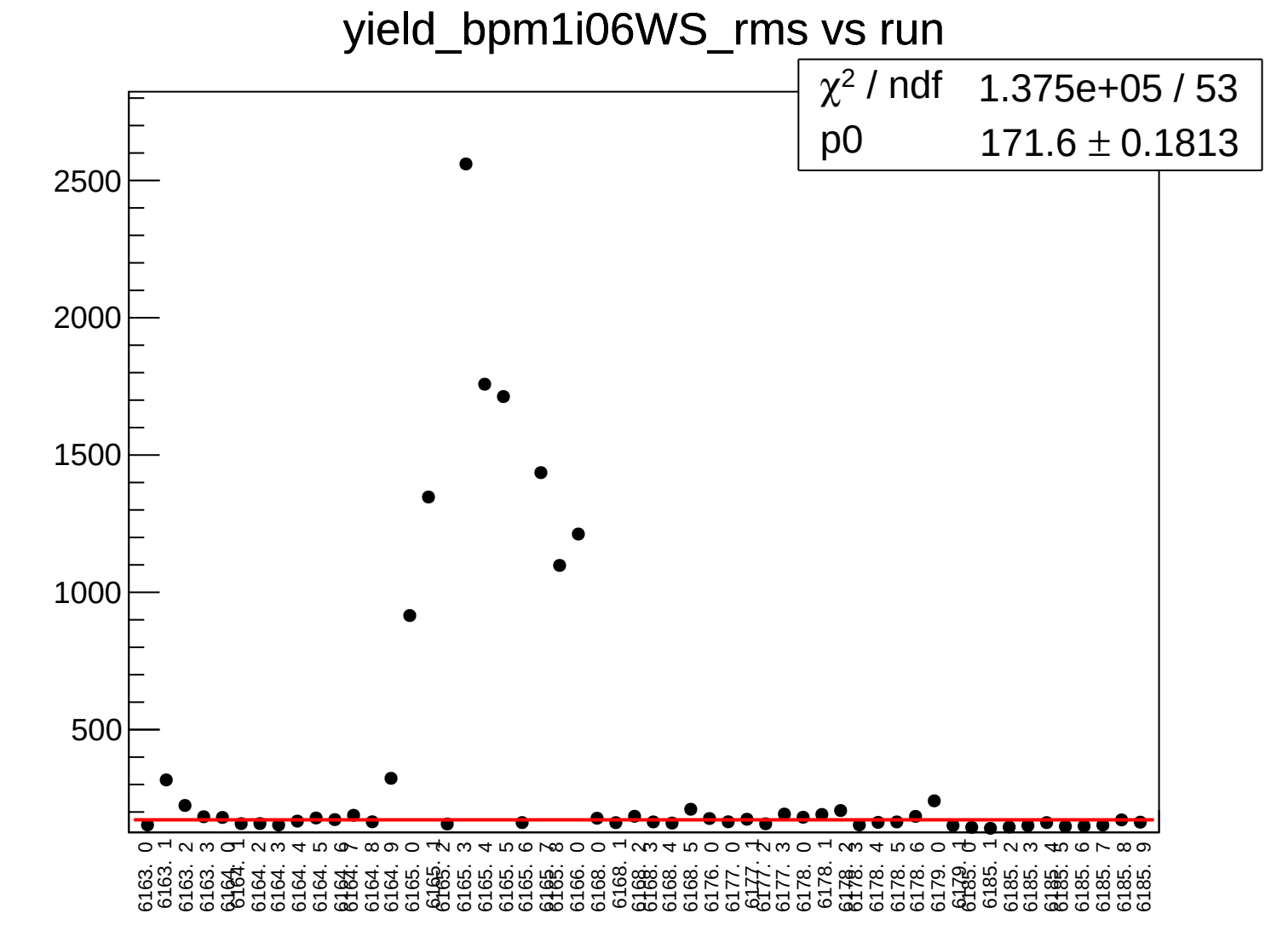

yield_bpm1i04WS_mean vs run
×10^3
χ² / ndf 1.812e+05 / 53
p0 1.359e+05 ± 0.2065
136
135.5
135
134.5
134
133.5
133
pull
Entries 54
Mean −2.933
Std Dev 0
100
50
0
−50
−100
−150
−200
−250

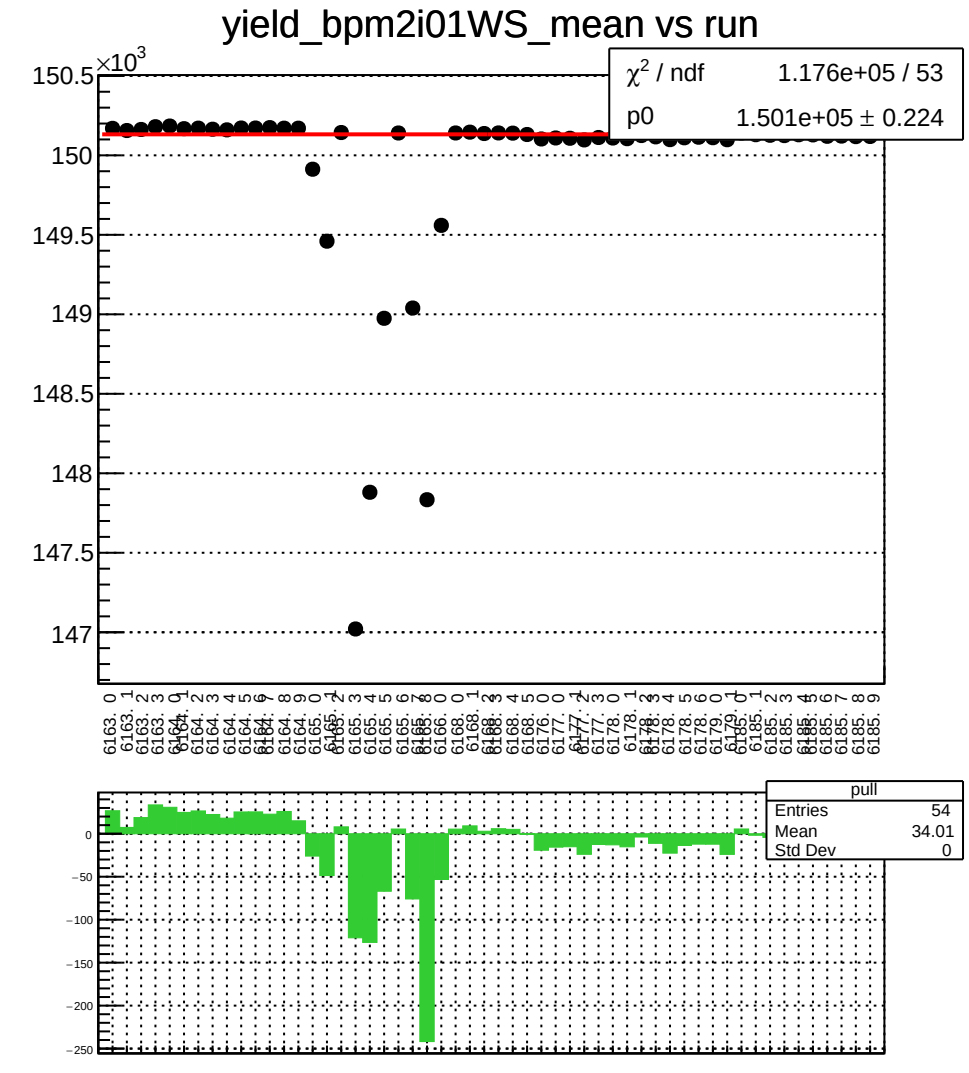

pull1D
Entries 54
Mean 1.844
Std Dev 4.035
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

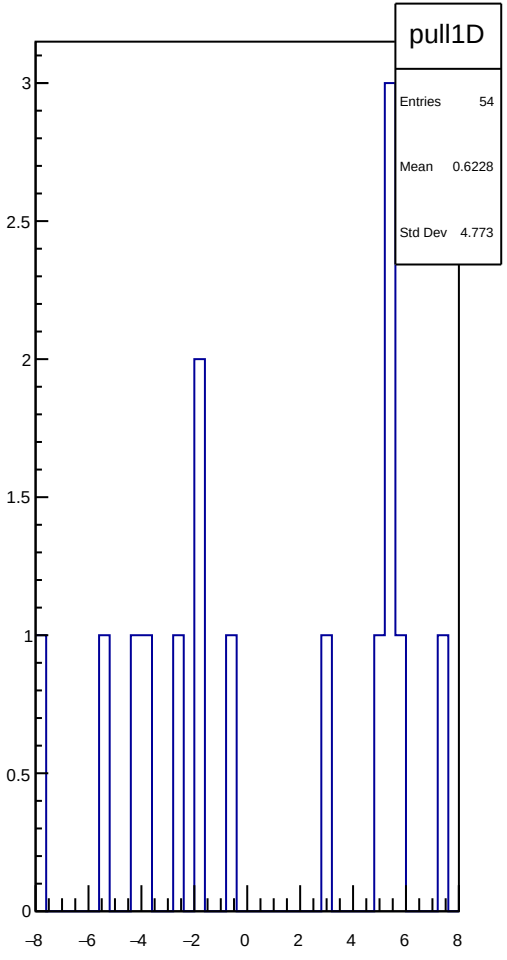

yield_bpm1i04WS_rms vs run
χ² / ndf 1.436e+05 / 53
p0 137.7 ± 0.146
2500
2000
1500
1000
500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

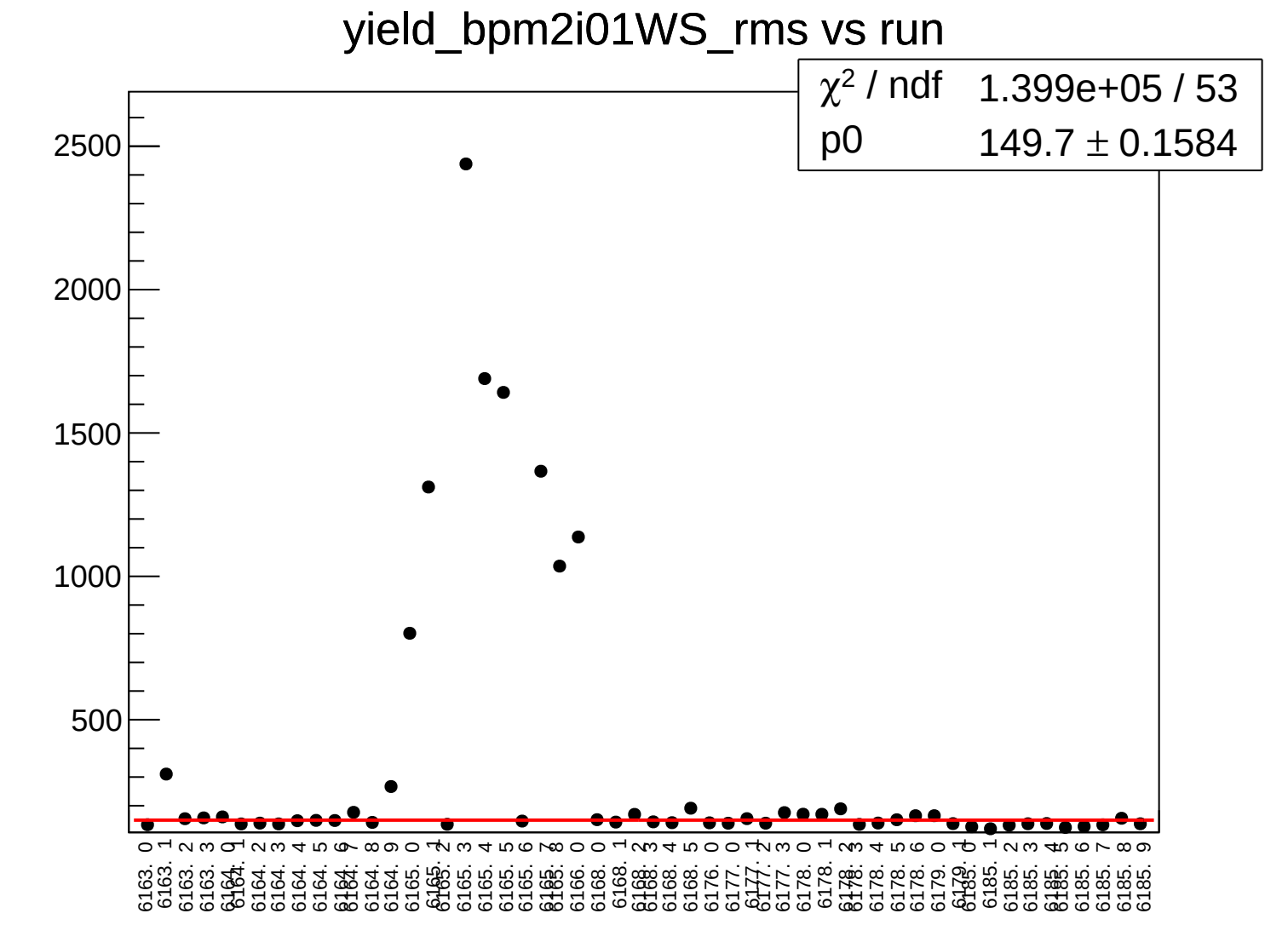

yield_bpm1i06WS_mean vs run
×10^3
χ² / ndf 1.244e+06 / 53
p0 1.467e+05 ± 0.2564
147
146.5
146
145.5
145
144.5
144
143.5
pull
Entries 54
Mean 630.5
Std Dev 0
200
100
0
−100
−200

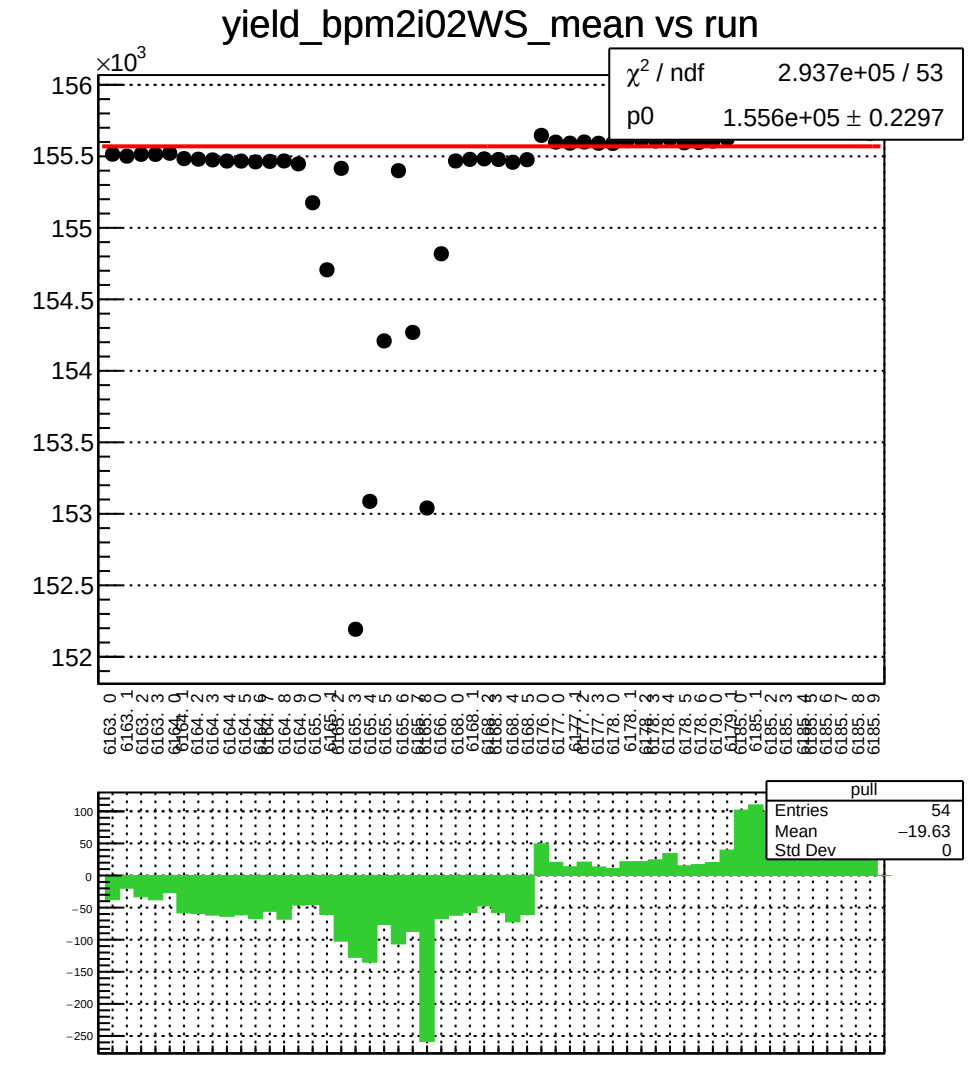

pull1D
Entries 54
Mean 0.6743
Std Dev 3.453
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

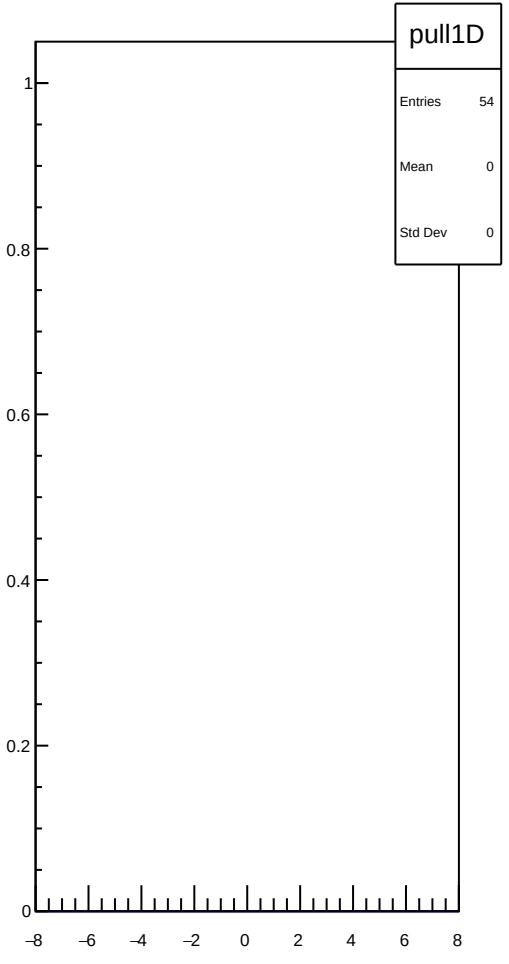

yield_bpm1i06WS_rms vs run
χ² / ndf 1.375e+05 / 53
p0 171.6 ± 0.1813
2500
2000
1500
1000
500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

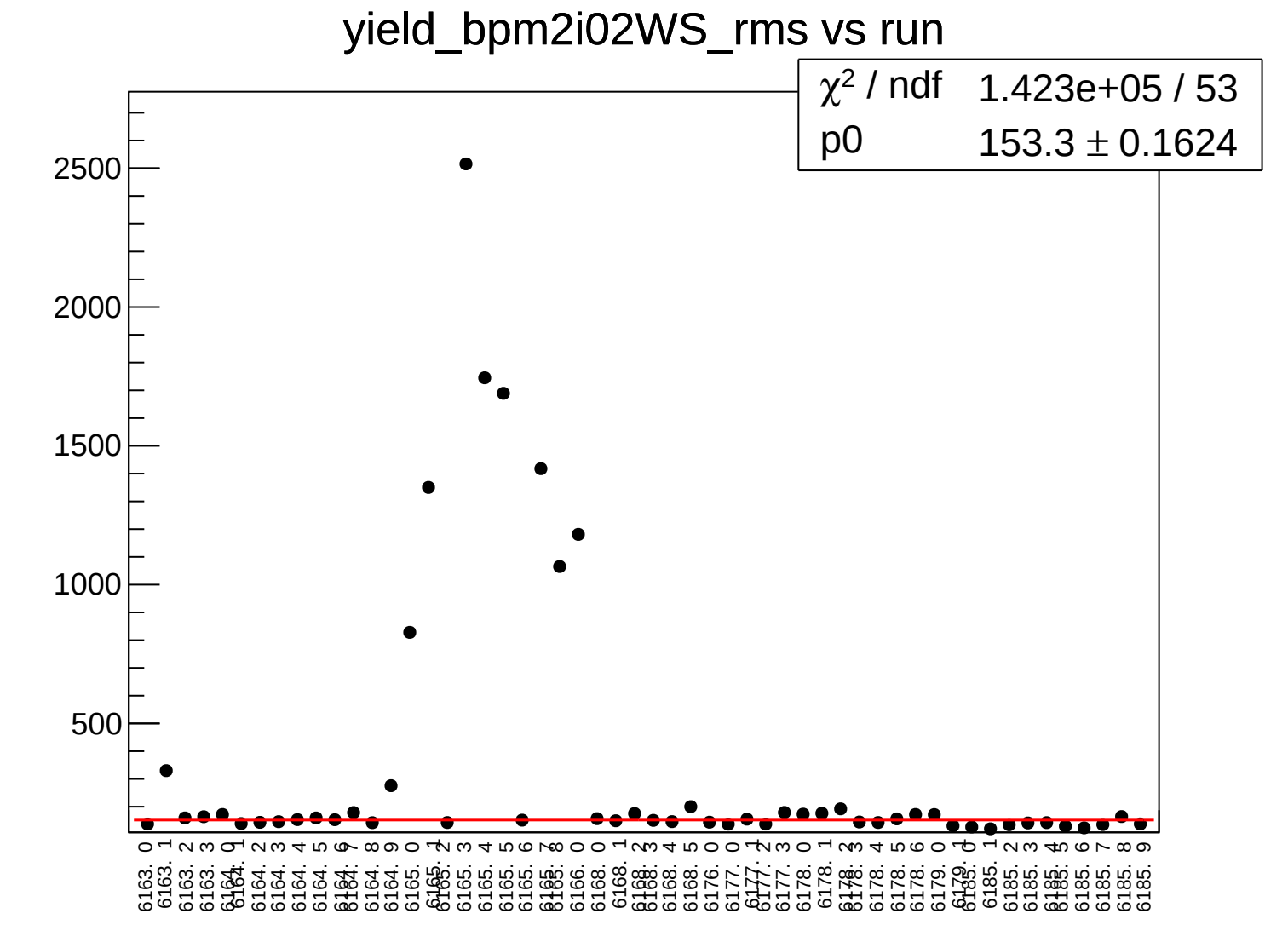

yield_bpm2i01WS_mean vs run
χ² / ndf 1.176e+05 / 53
p0 1.501e+05 ± 0.224
×10³
150.5
150
149.5
149
148.5
148
147.5
147
pull
Entries 54
Mean 34.01
Std Dev 0
0
−50
−100
−150
−200
−250

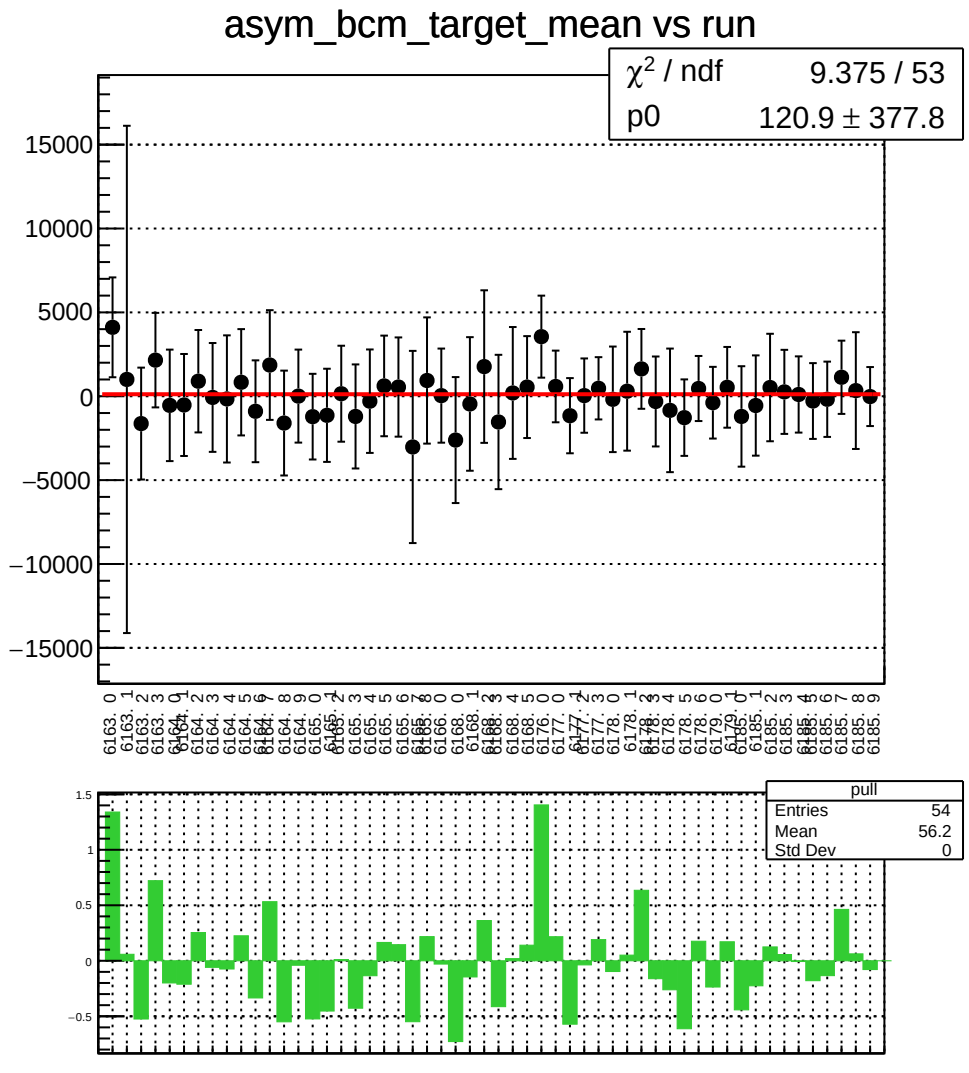

pull1D
Entries 54
Mean 0.6228
Std Dev 4.773
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

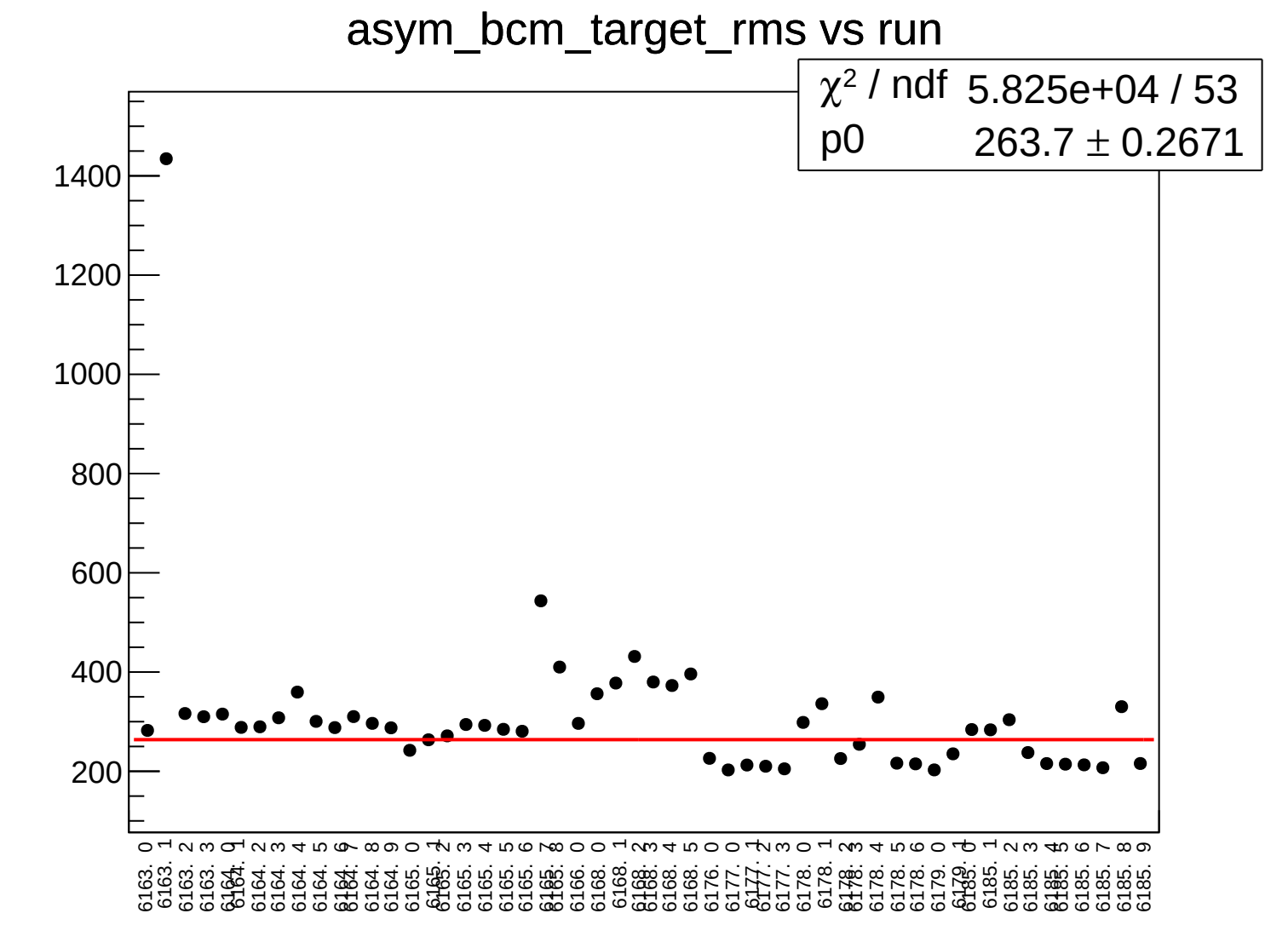

yield_bpm2i01WS_rms vs run
χ² / ndf 1.399e+05 / 53
p0 149.7 ± 0.1584
2500
2000
1500
1000
500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

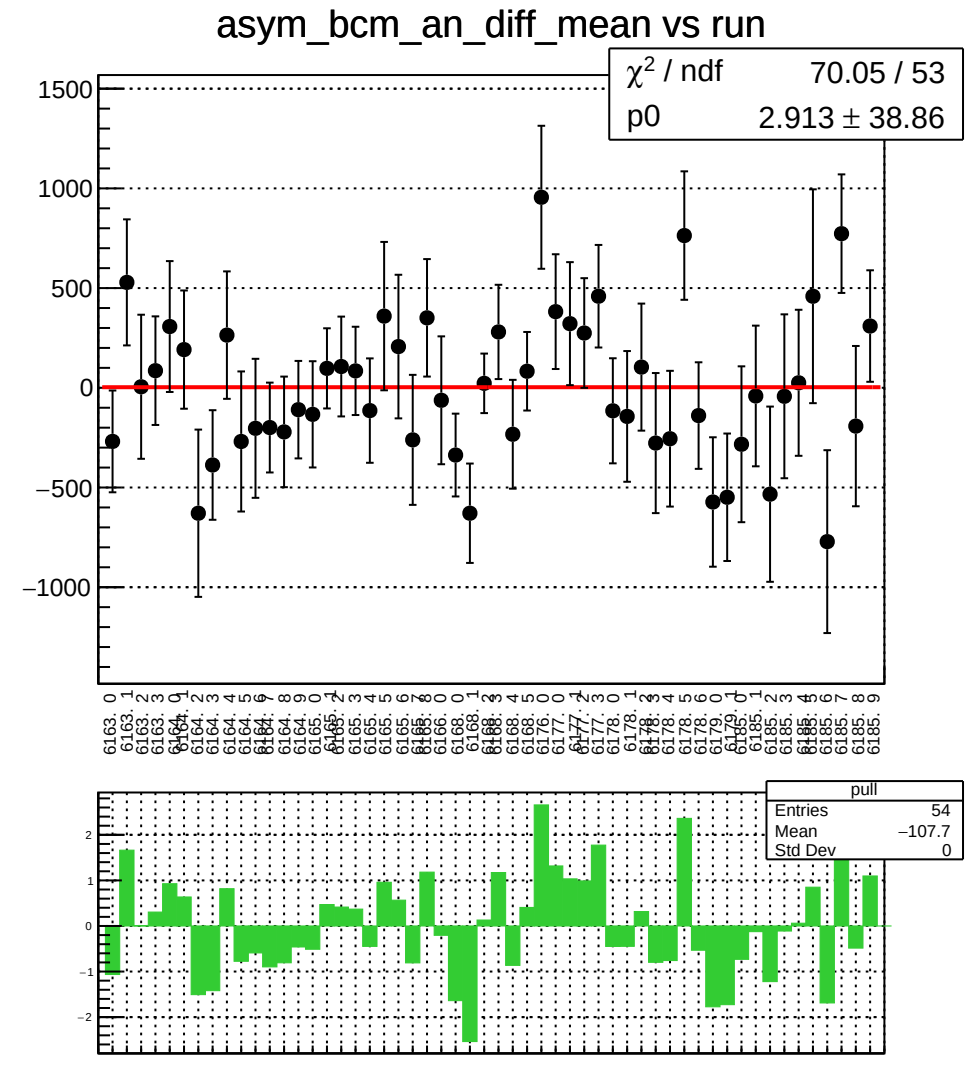

yield_bpm2i02WS_mean vs run
×10^3
χ² / ndf 2.937e+05 / 53
p0 1.556e+05 ± 0.2297
156
155.5
155
154.5
154
153.5
153
152.5
152
pull
Entries 54
Mean −19.63
Std Dev 0
100
50
0
−50
−100
−150
−200
−250

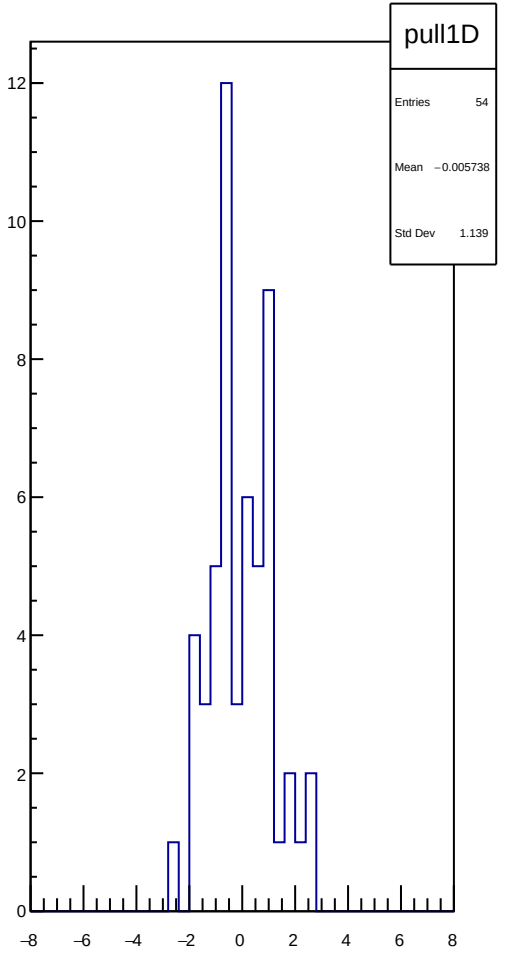

pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

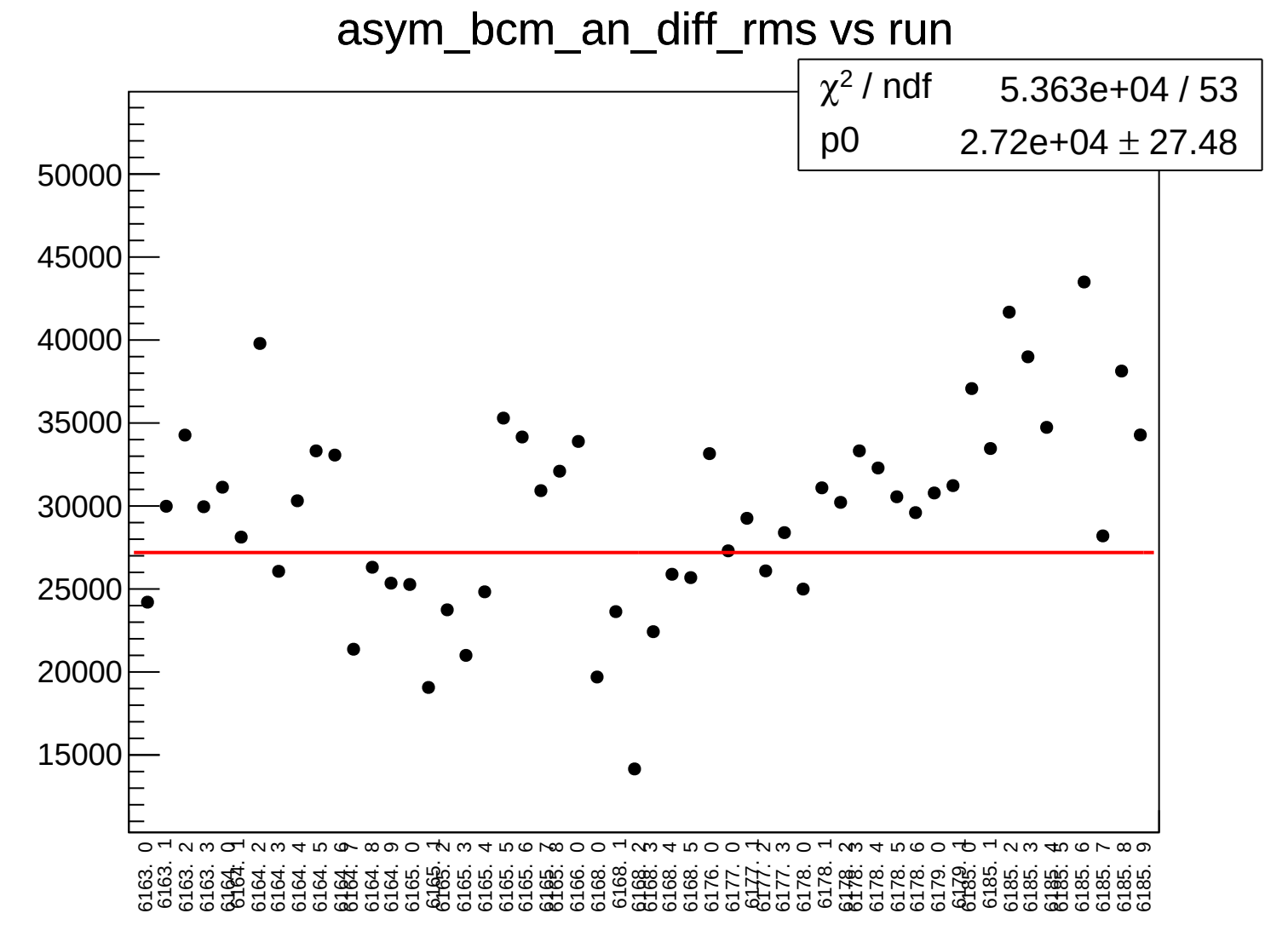

yield_bpm2i02WS_rms vs run
χ² / ndf 1.423e+05 / 53
p0 153.3 ± 0.1624
2500
2000
1500
1000
500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

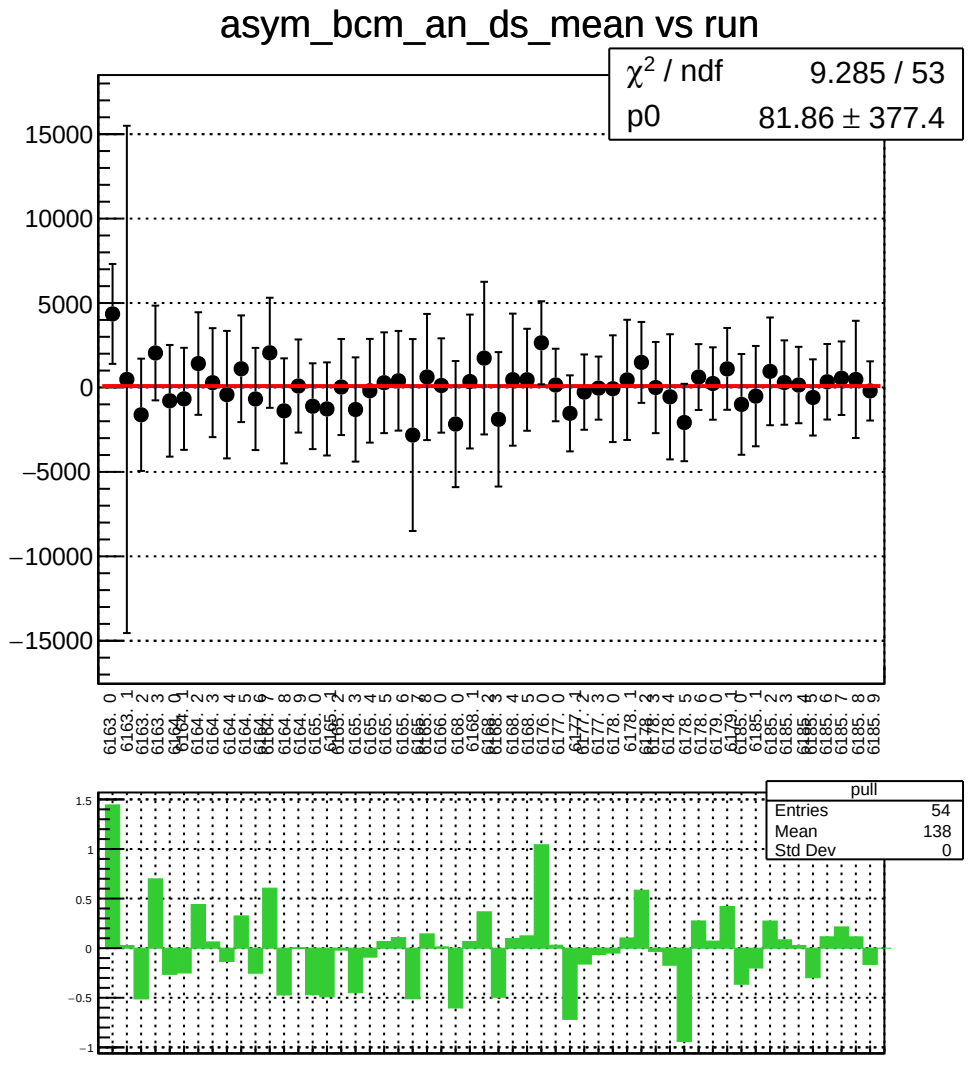

asym_bcm_target_mean vs run
χ² / ndf 9.375 / 53
p0 120.9 ± 377.8
pull
Entries 54
Mean 56.2
Std Dev 0
pull1D
Entries 54
Mean −0.01287
Std Dev 0.4165

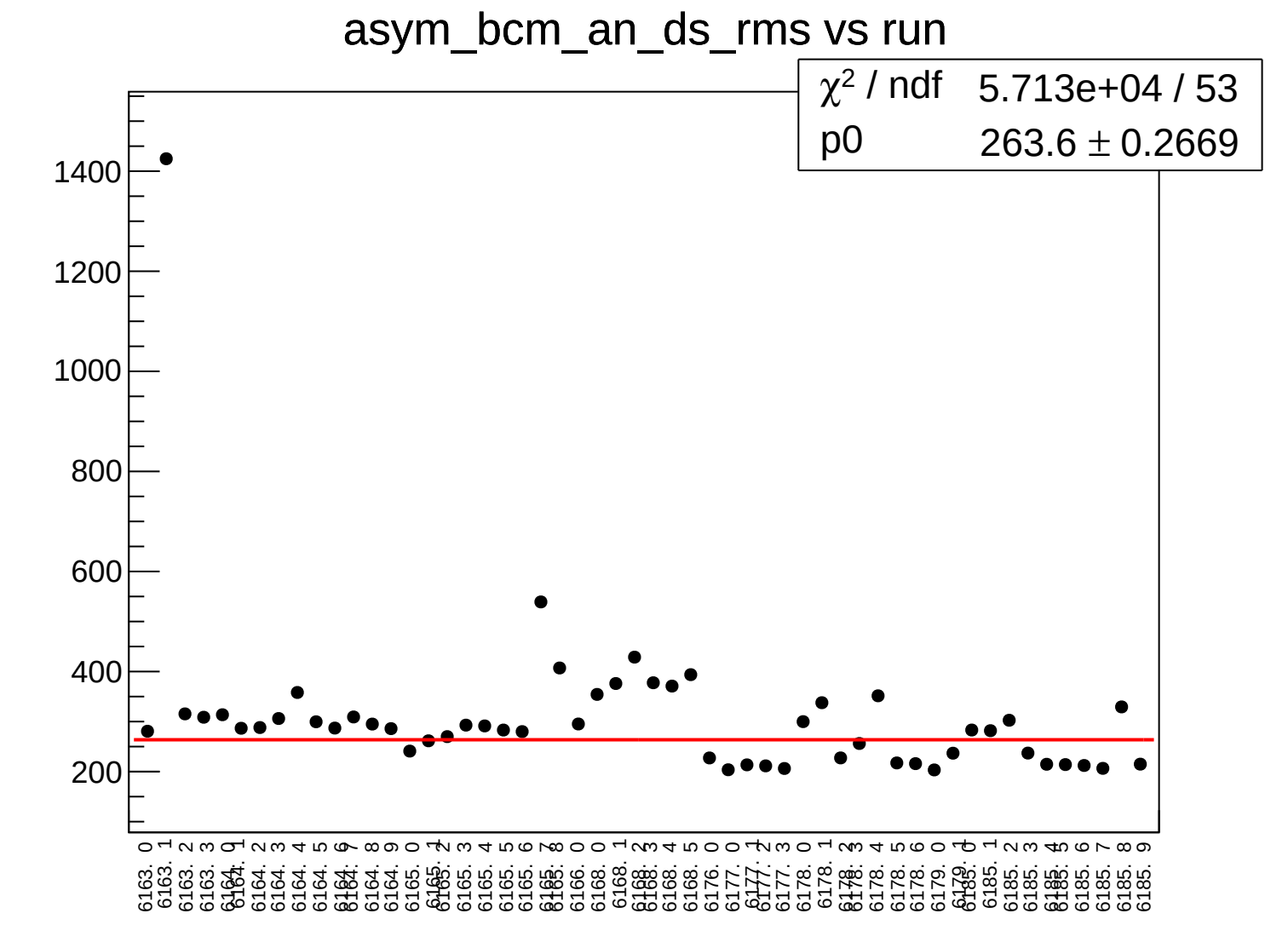

asym_bcm_target_rms vs run
χ² / ndf 5.825e+04 / 53
p0 263.7 ± 0.2671
1400
1200
1000
800
600
400
200
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

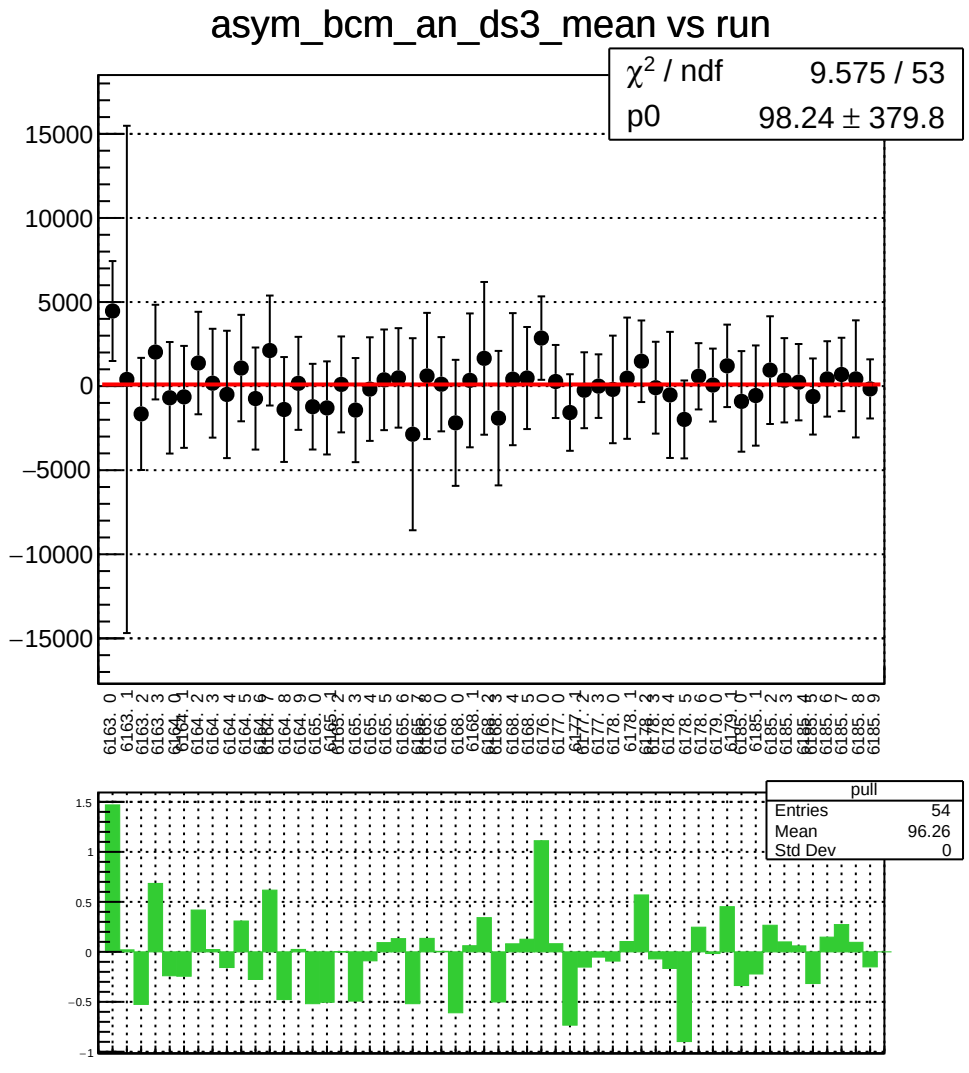

asym_bcm_an_diff_mean vs run
χ² / ndf 70.05 / 53
p0 2.913 ± 38.86
1500
1000
500
0
−500
−1000
pull
Entries 54
Mean −107.7
Std Dev 0
2
1
0
−1
−2

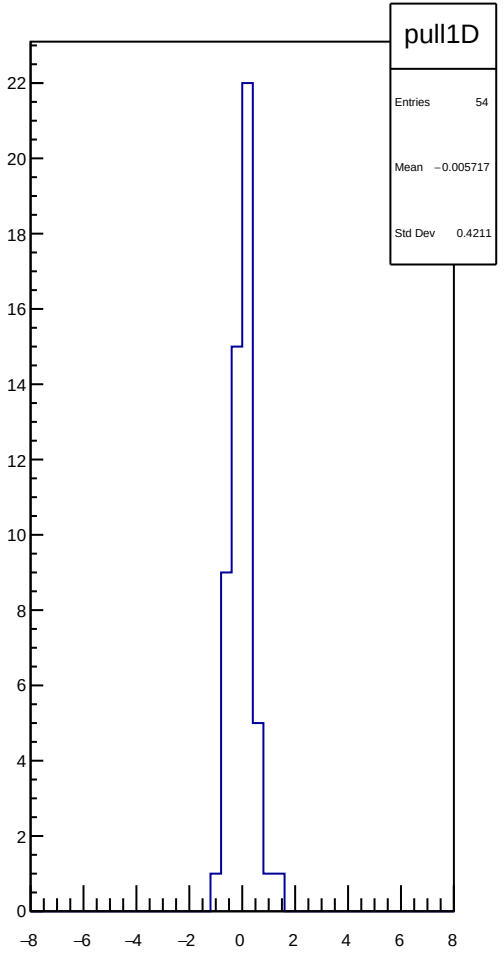

pull1D
Entries 54
Mean −0.005738
Std Dev 1.139
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

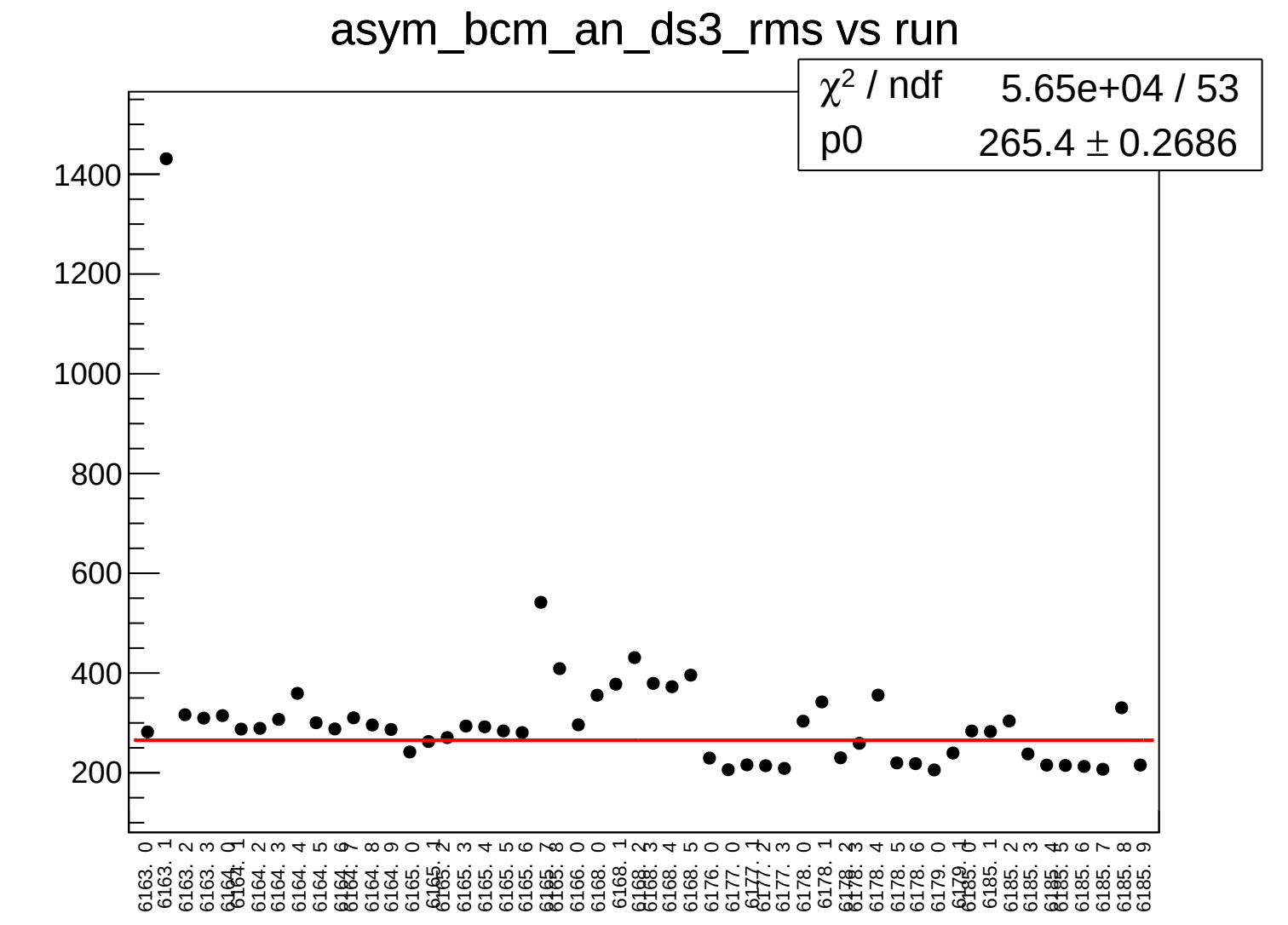

asym_bcm_an_diff_rms vs run
χ^2 / ndf 5.363e+04 / 53
p0 2.72e+04 ± 27.48
50000
45000
40000
35000
30000
25000
20000
15000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

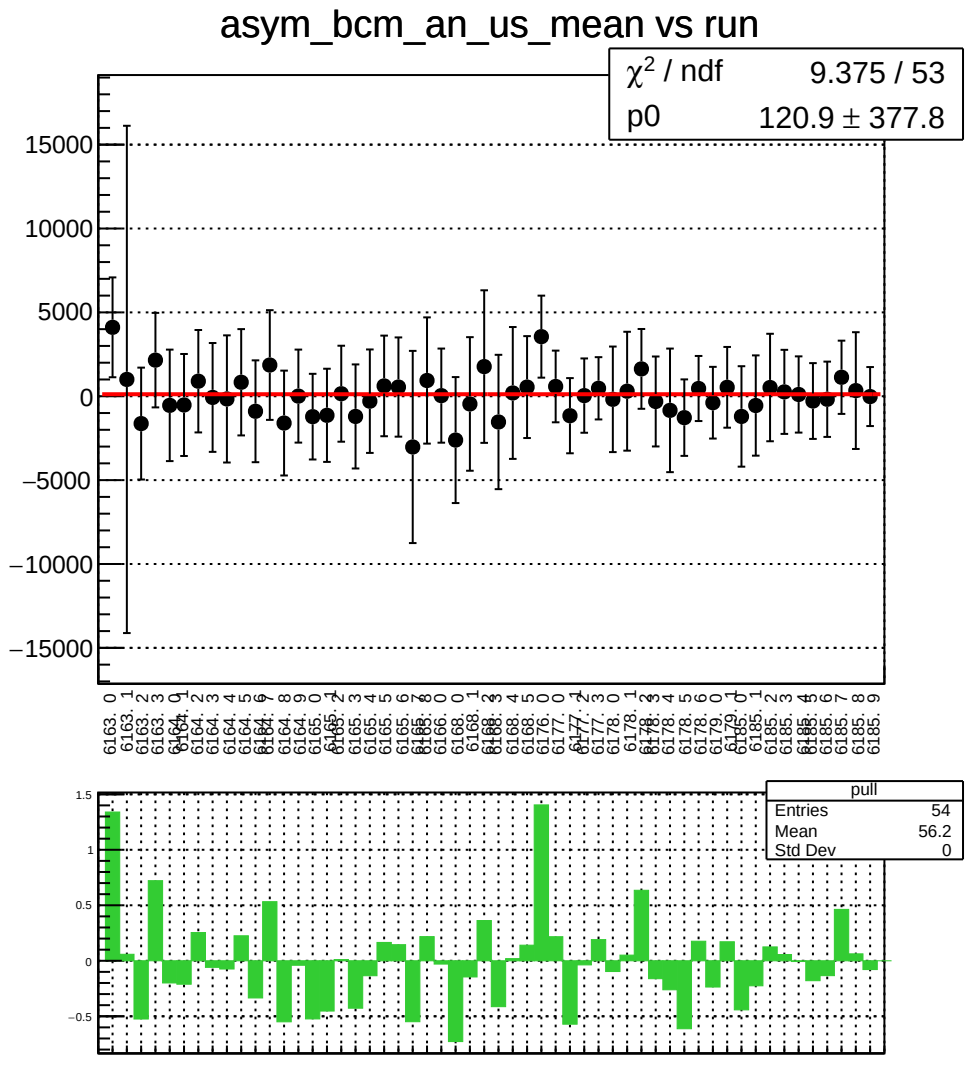

asym_bcm_an_ds_mean vs run
χ² / ndf 9.285 / 53
p0 81.86 ± 377.4
pull
Entries 54
Mean 138
Std Dev 0
pull1D
Entries 54
Mean −0.004182
Std Dev 0.4147

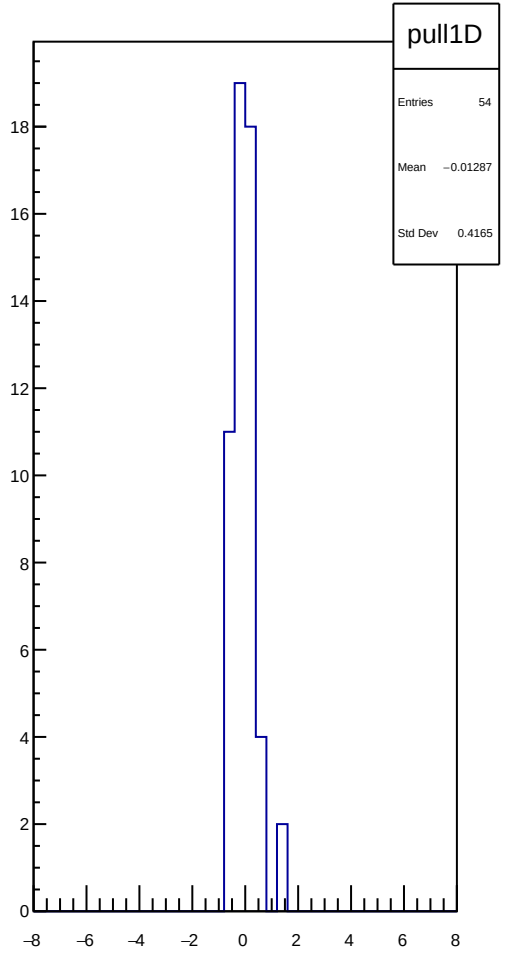

asym_bcm_an_ds_rms vs run
χ² / ndf 5.713e+04 / 53
p0 263.6 ± 0.2669
1400
1200
1000
800
600
400
200
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

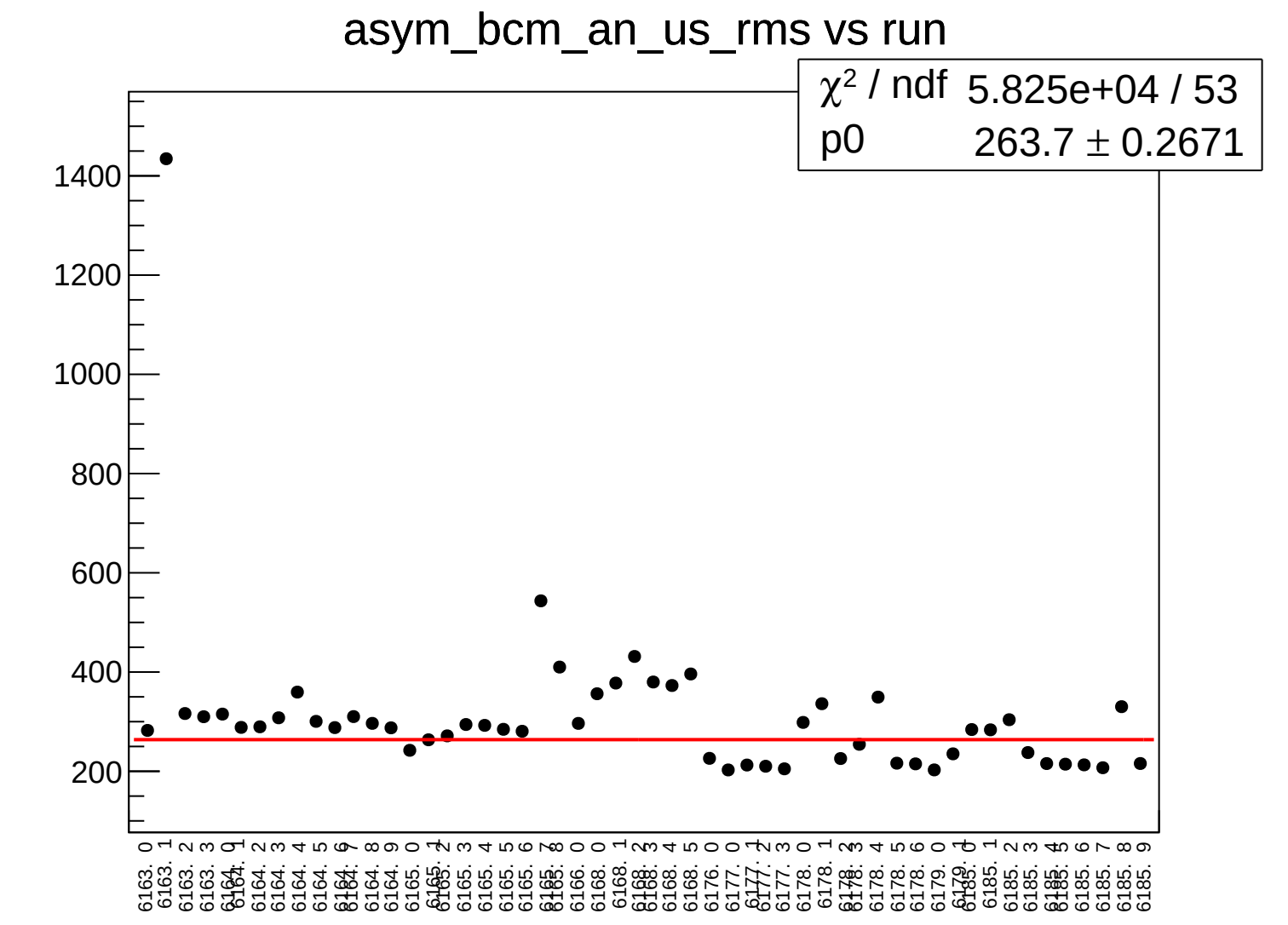

asym_bcm_an_ds3_mean vs run
χ² / ndf 9.575 / 53
p0 98.24 ± 379.8
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 54
Mean 96.26
Std Dev 0
1.5
1
0.5
0
−0.5
−1

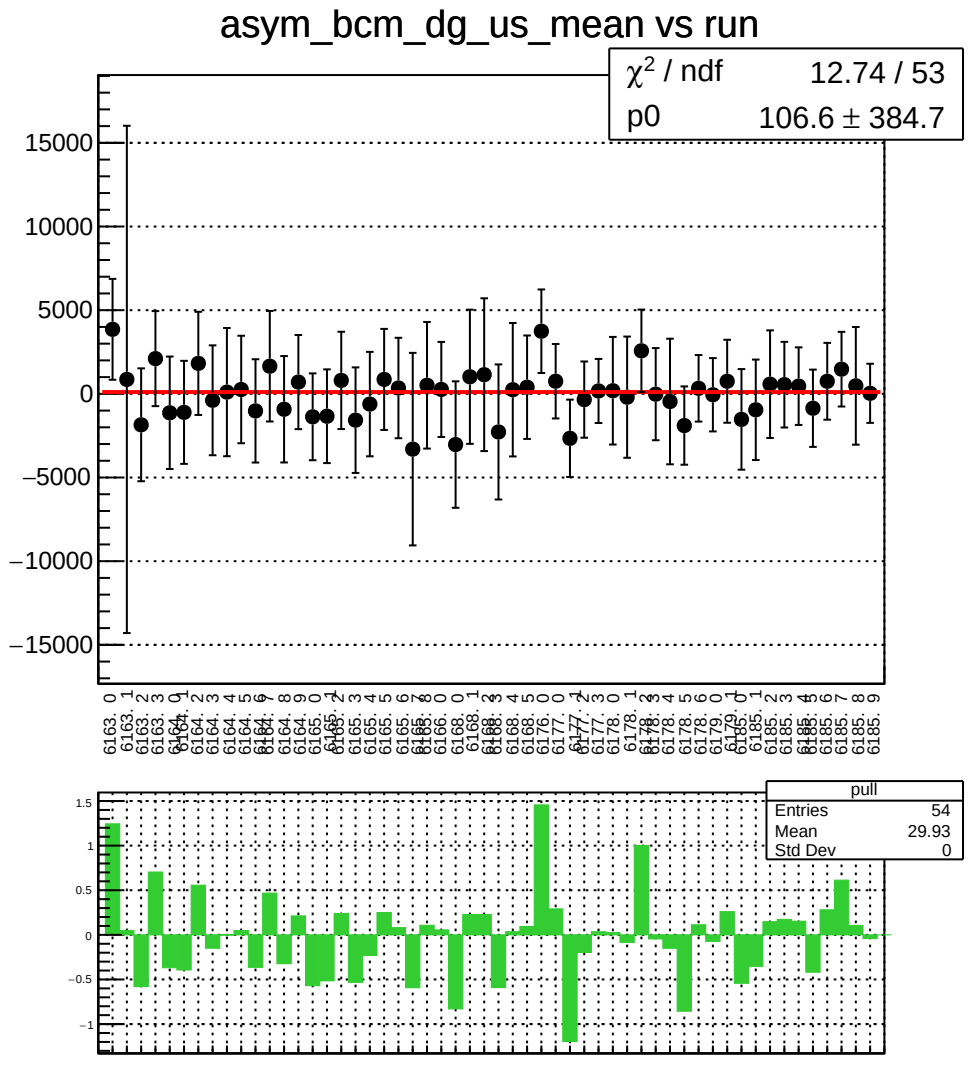

pull1D
Entries 54
Mean −0.005717
Std Dev 0.4211
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

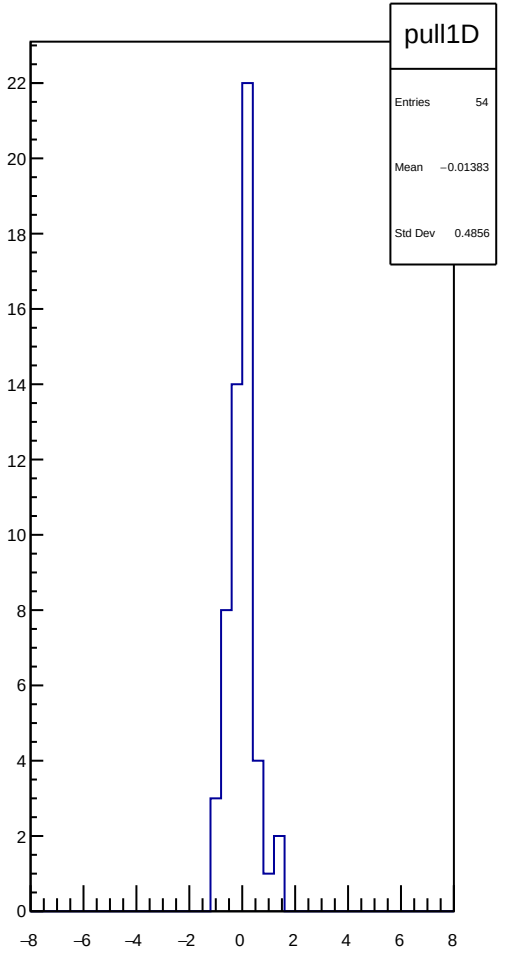

asym_bcm_an_ds3_rms vs run
χ² / ndf 5.65e+04 / 53
p0 265.4 ± 0.2686
1400
1200
1000
800
600
400
200
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

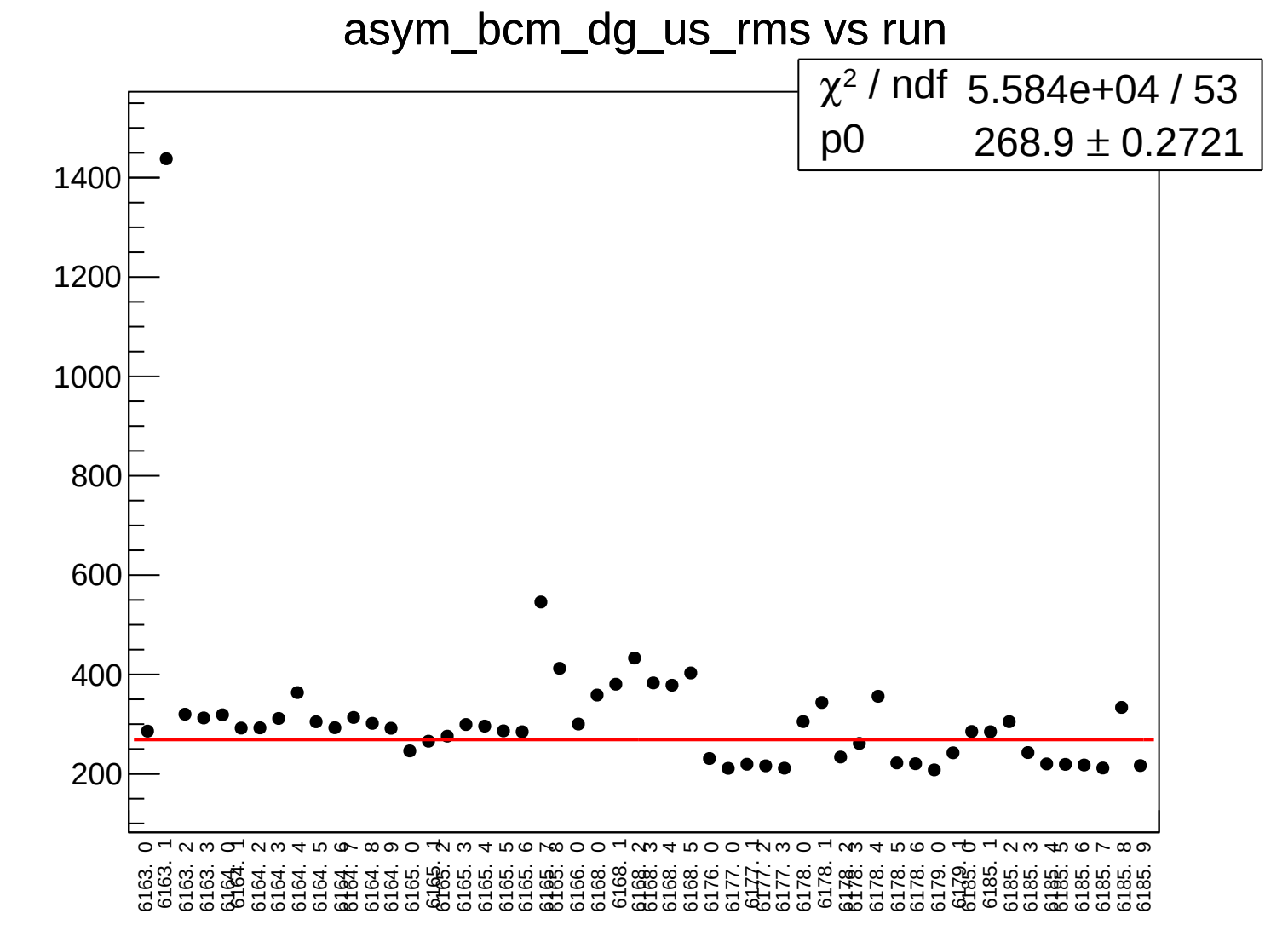

asym_bcm_an_us_mean vs run
χ² / ndf 9.375 / 53
p0 120.9 ± 377.8
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 54
Mean 56.2
Std Dev 0
1.5
1
0.5
0
−0.5

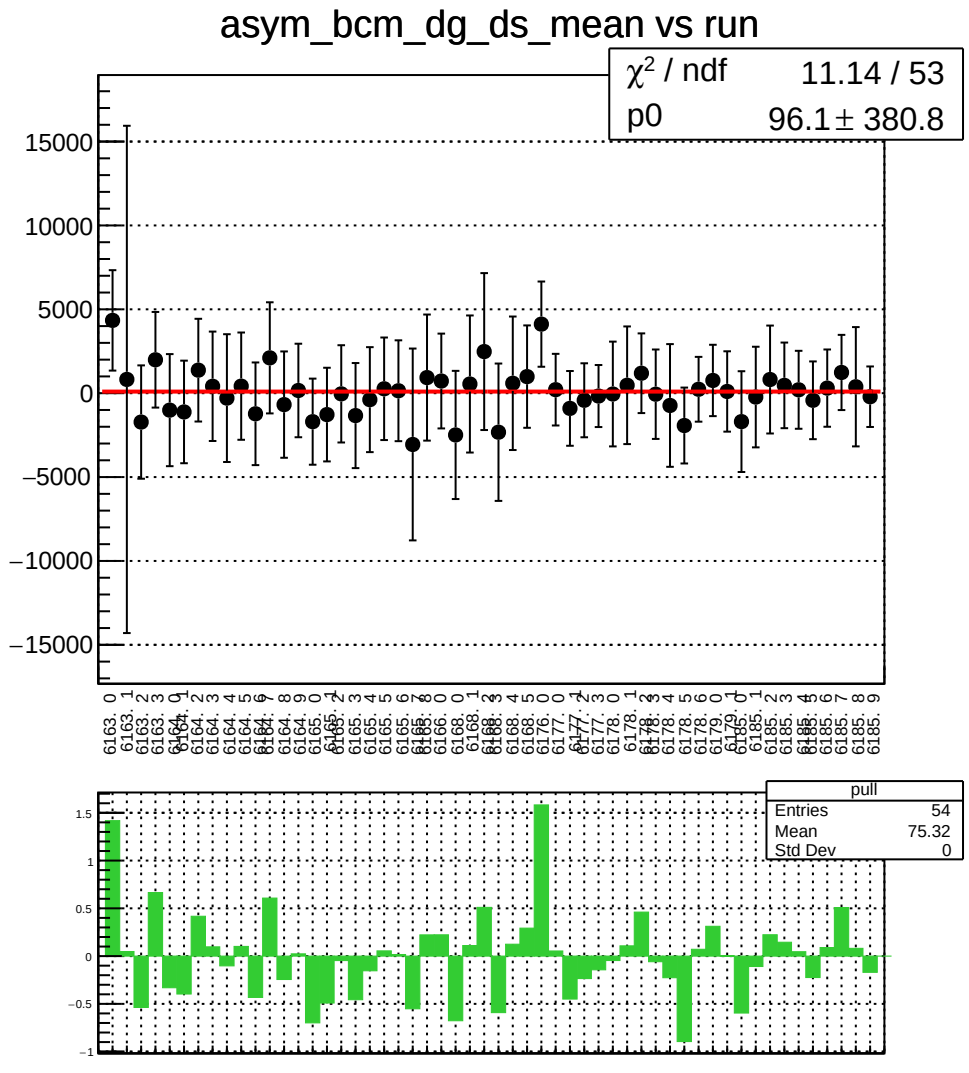

pull1D
Entries 54
Mean −0.01287
Std Dev 0.4165
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

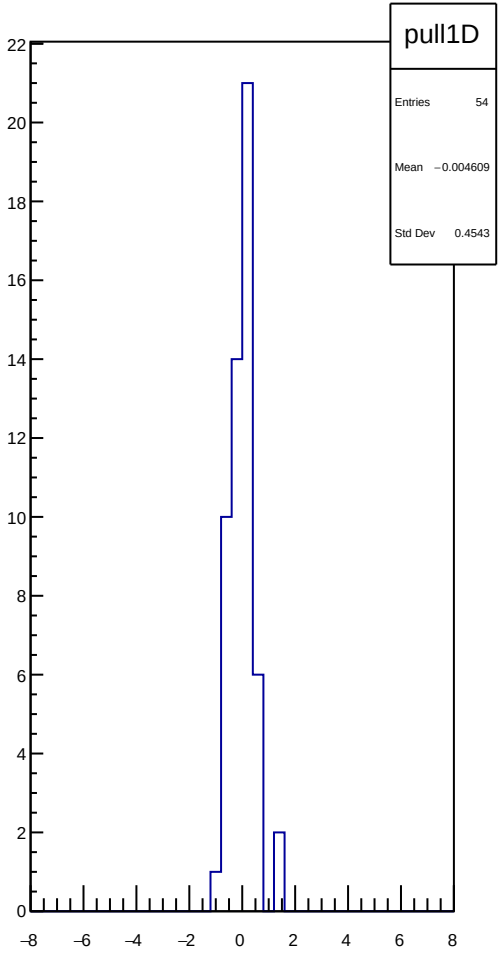

asym_bcm_an_us_rms vs run
χ² / ndf 5.825e+04 / 53
p0 263.7 ± 0.2671
1400
1200
1000
800
600
400
200
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

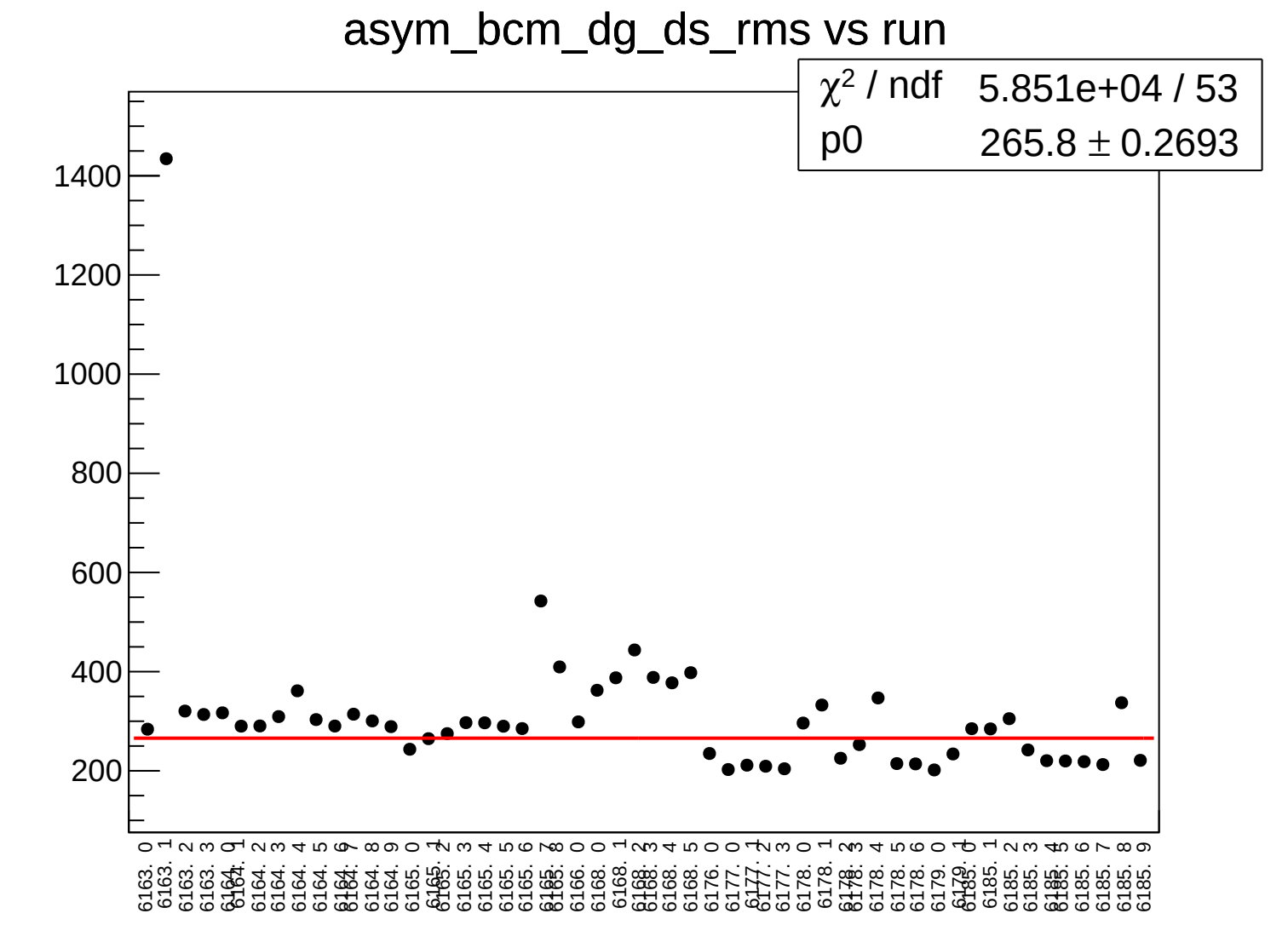

asym_bcm_dg_us_mean vs run
χ² / ndf 12.74 / 53
p0 106.6 ± 384.7
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 54
Mean 29.93
Std Dev 0
1.5
1
0.5
0
−0.5
−1

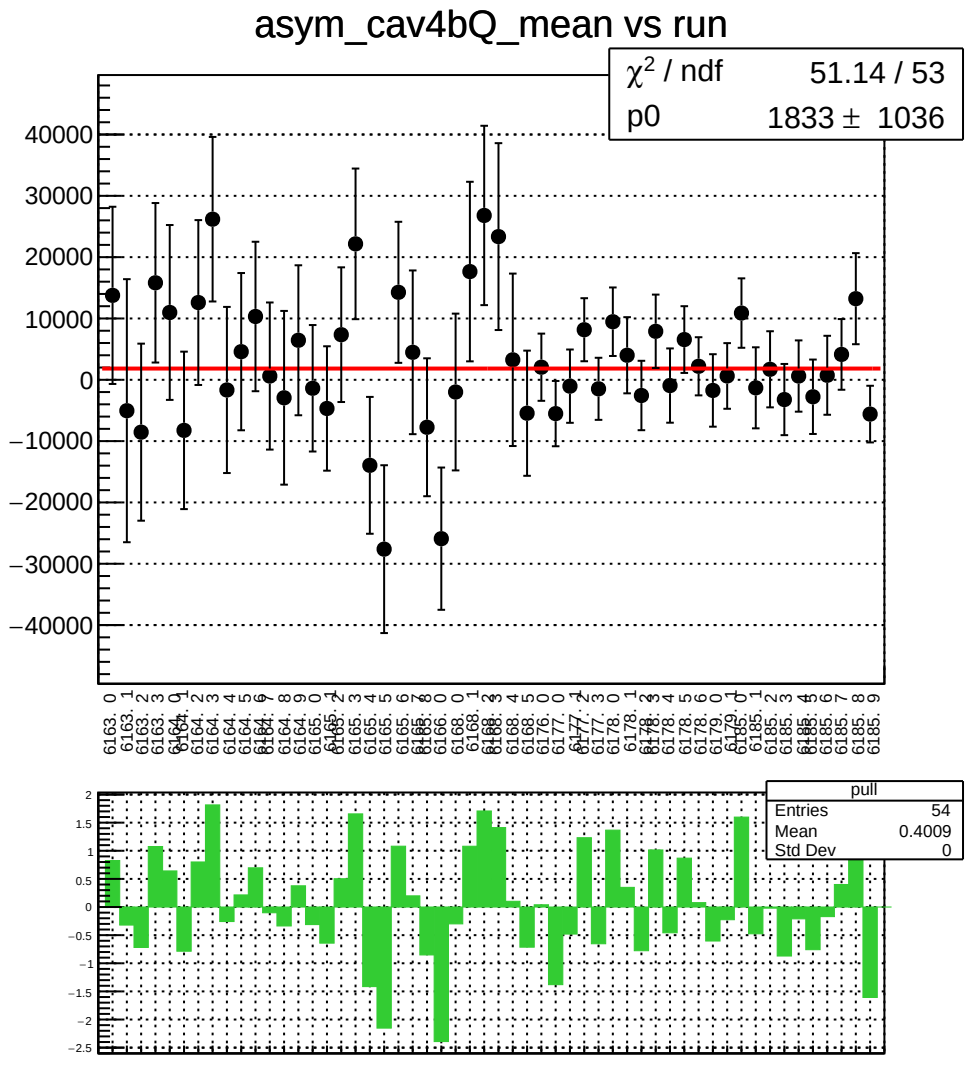

pull1D
Entries 54
Mean −0.01383
Std Dev 0.4856
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

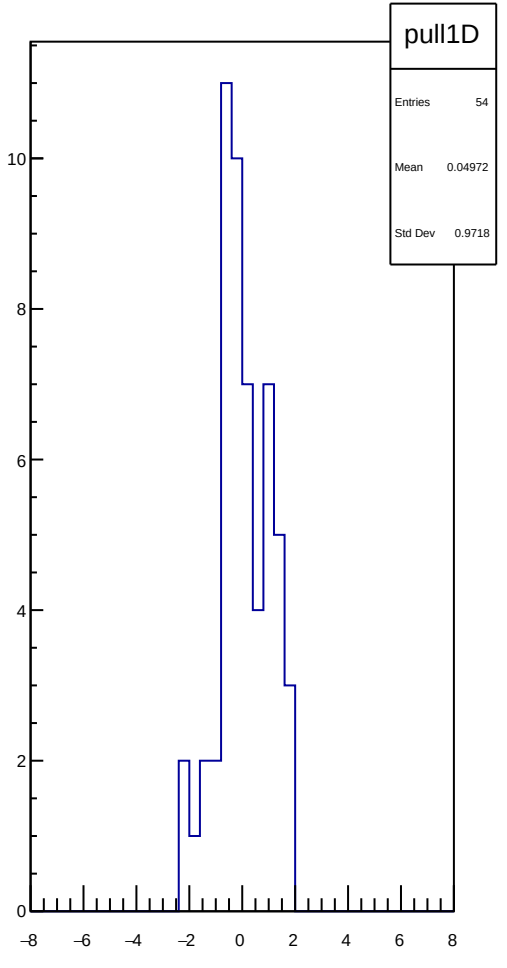

asym_bcm_dg_us_rms vs run
χ² / ndf 5.584e+04 / 53
p0 268.9 ± 0.2721
1400
1200
1000
800
600
400
200
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

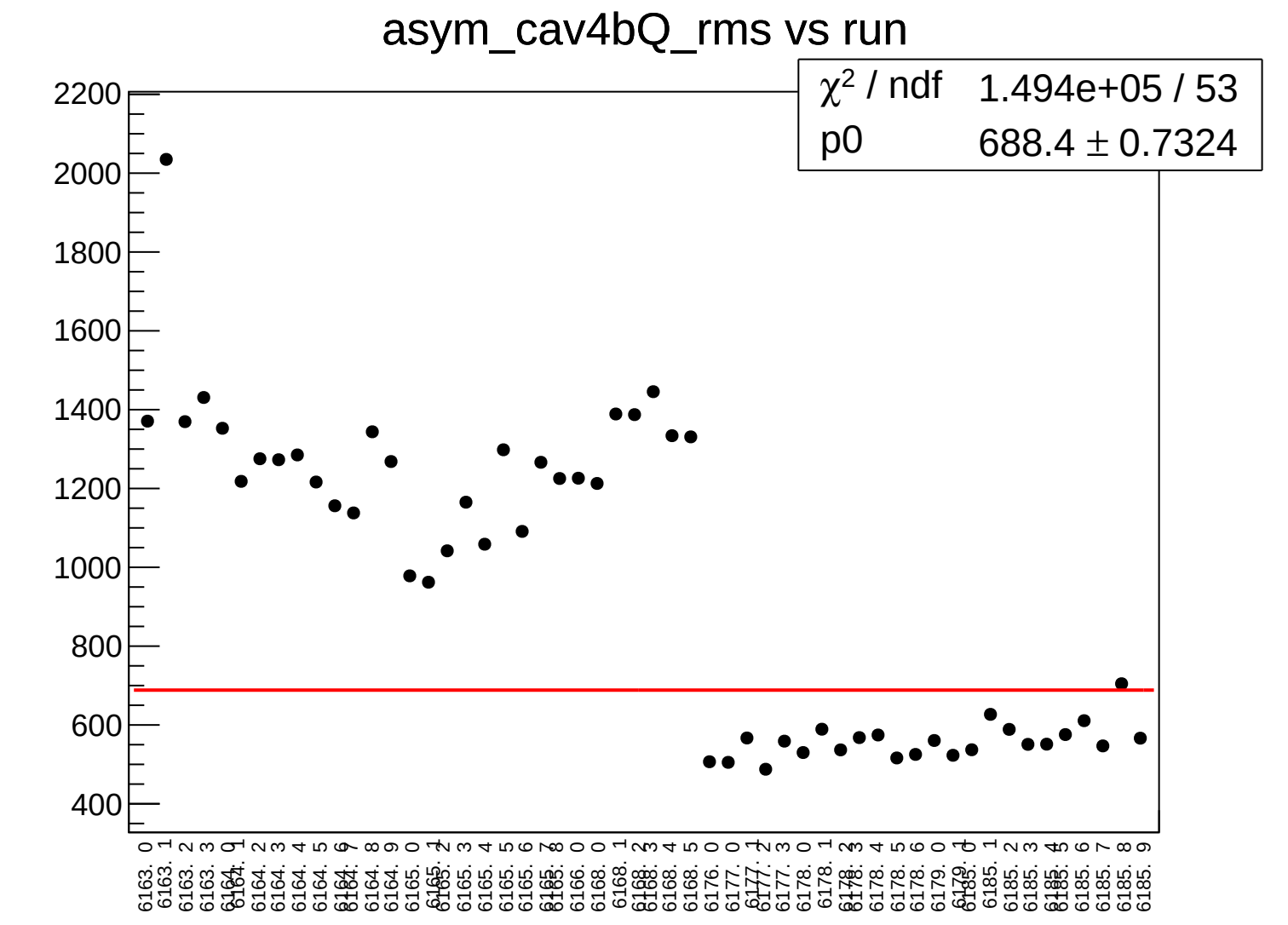

asym_bcm_dg_ds_mean vs run
χ² / ndf 11.14 / 53
p0 96.1 ± 380.8
pull
Entries 54
Mean 75.32
Std Dev 0

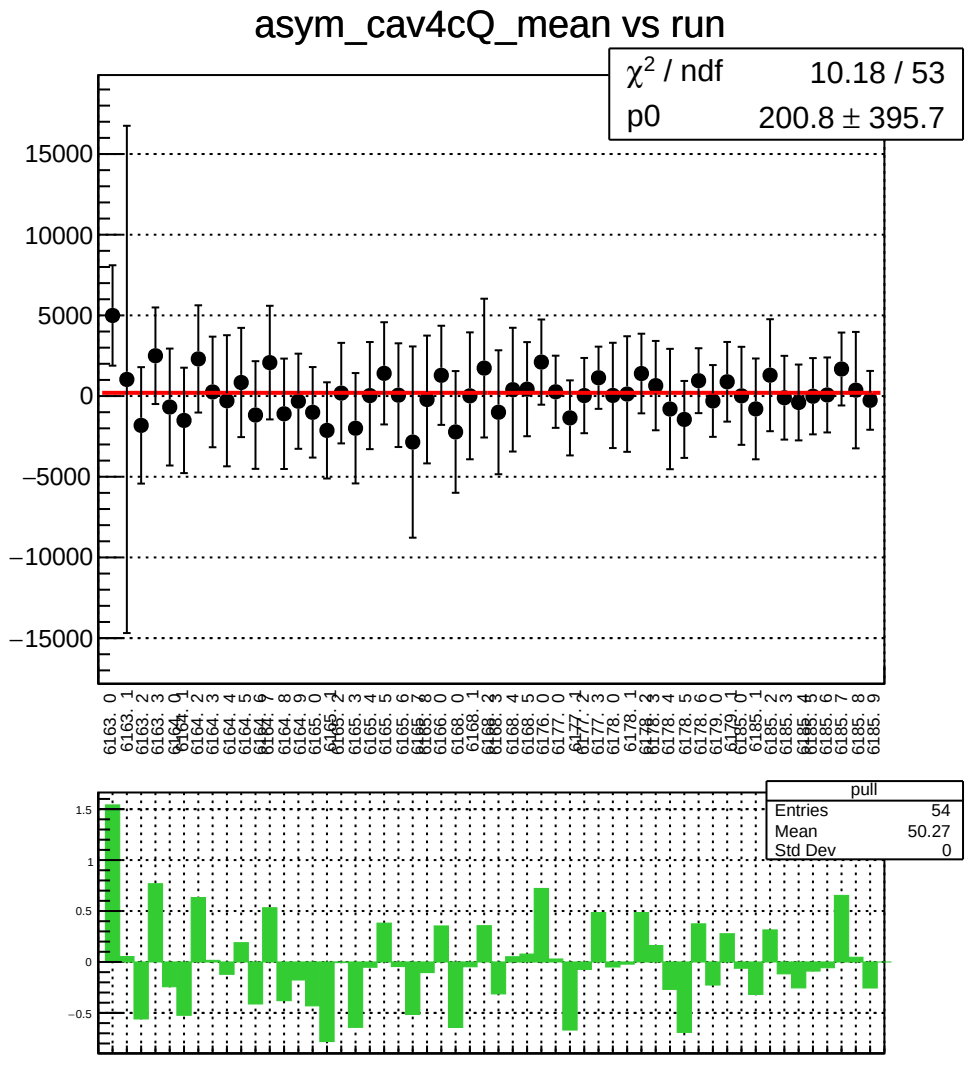

pull1D
Entries 54
Mean −0.004609
Std Dev 0.4543

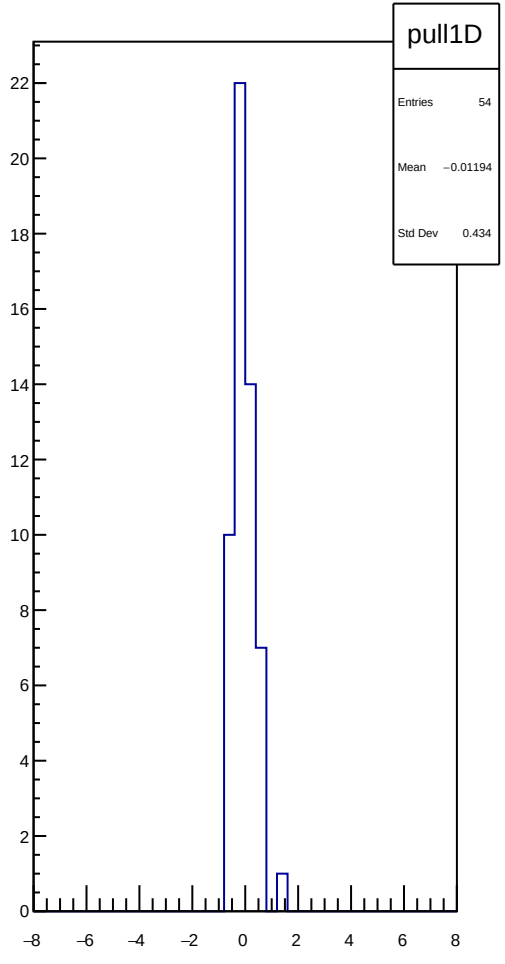

asym_bcm_dg_ds_rms vs run
χ² / ndf 5.851e+04 / 53
p0 265.8 ± 0.2693
1400
1200
1000
800
600
400
200
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

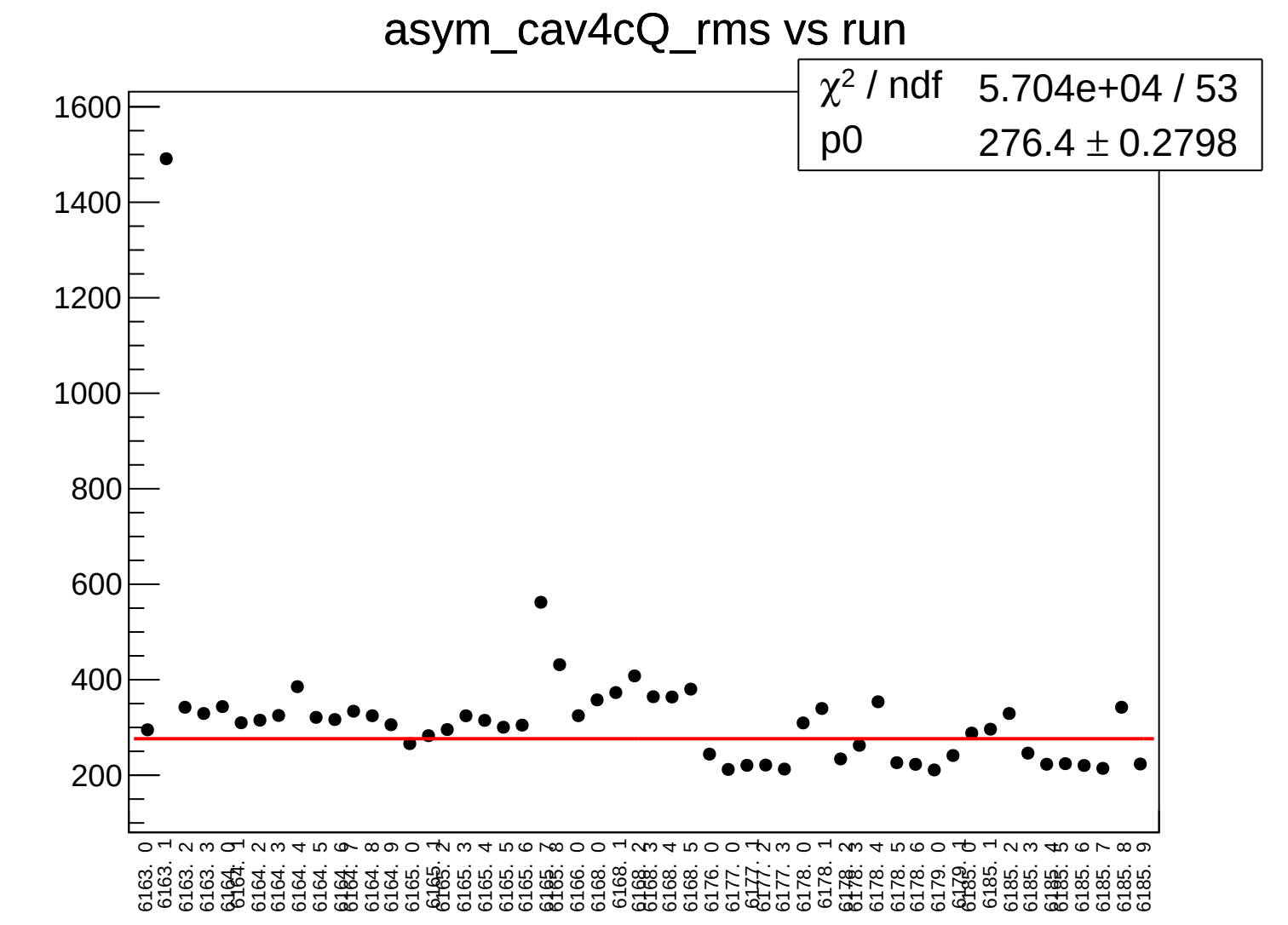

asym_cav4bQ_mean vs run
χ² / ndf 51.14 / 53
p0 1833 ± 1036
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 54
Mean 0.4009
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

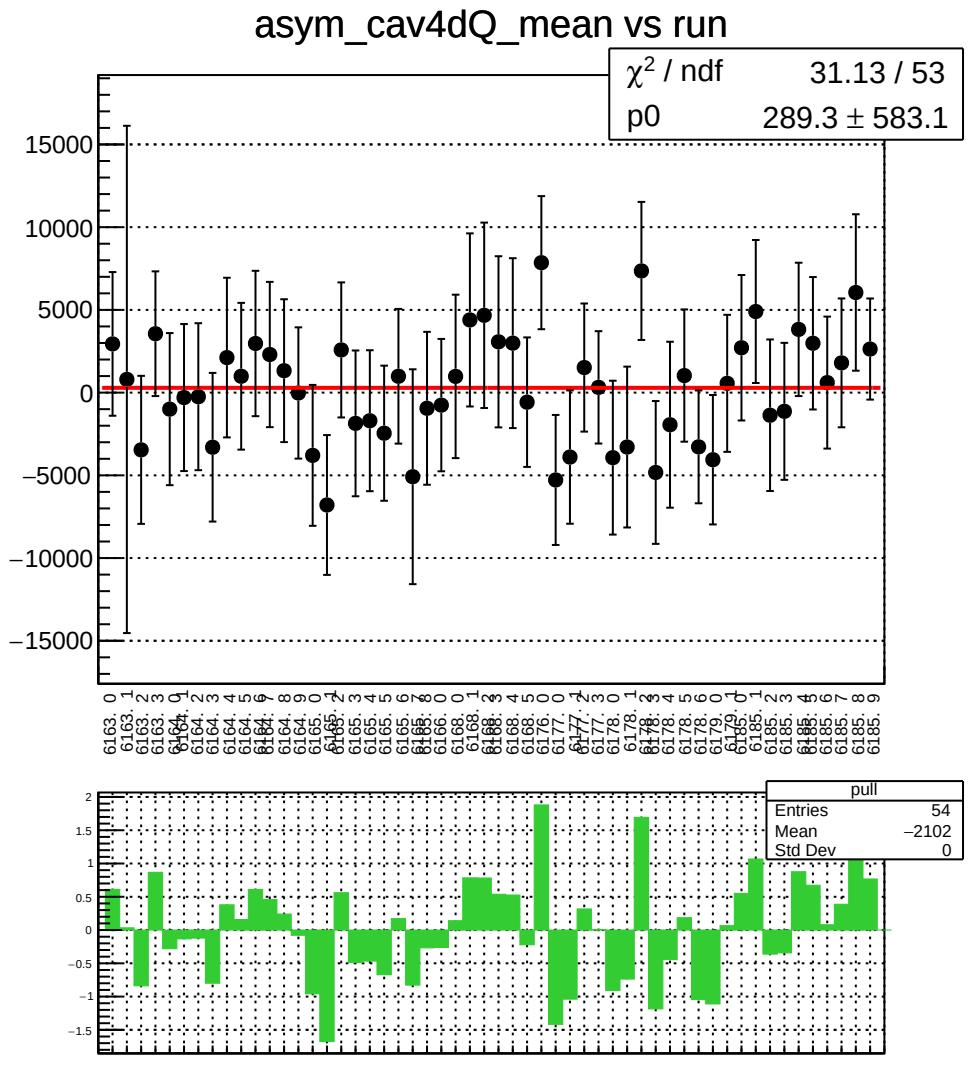

pull1D
Entries 54
Mean 0.04972
Std Dev 0.9718
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

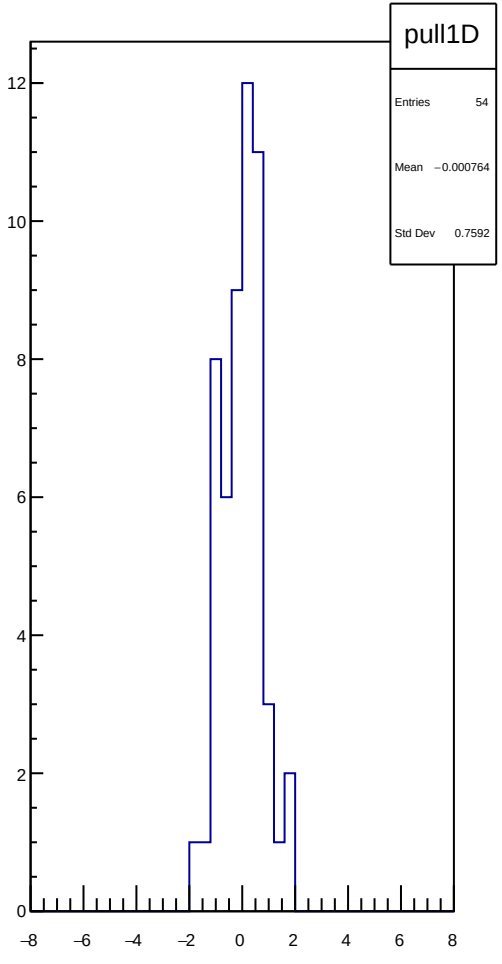

asym_cav4bQ_rms vs run
χ² / ndf 1.494e+05 / 53
p0 688.4 ± 0.7324
2200
2000
1800
1600
1400
1200
1000
800
600
400
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

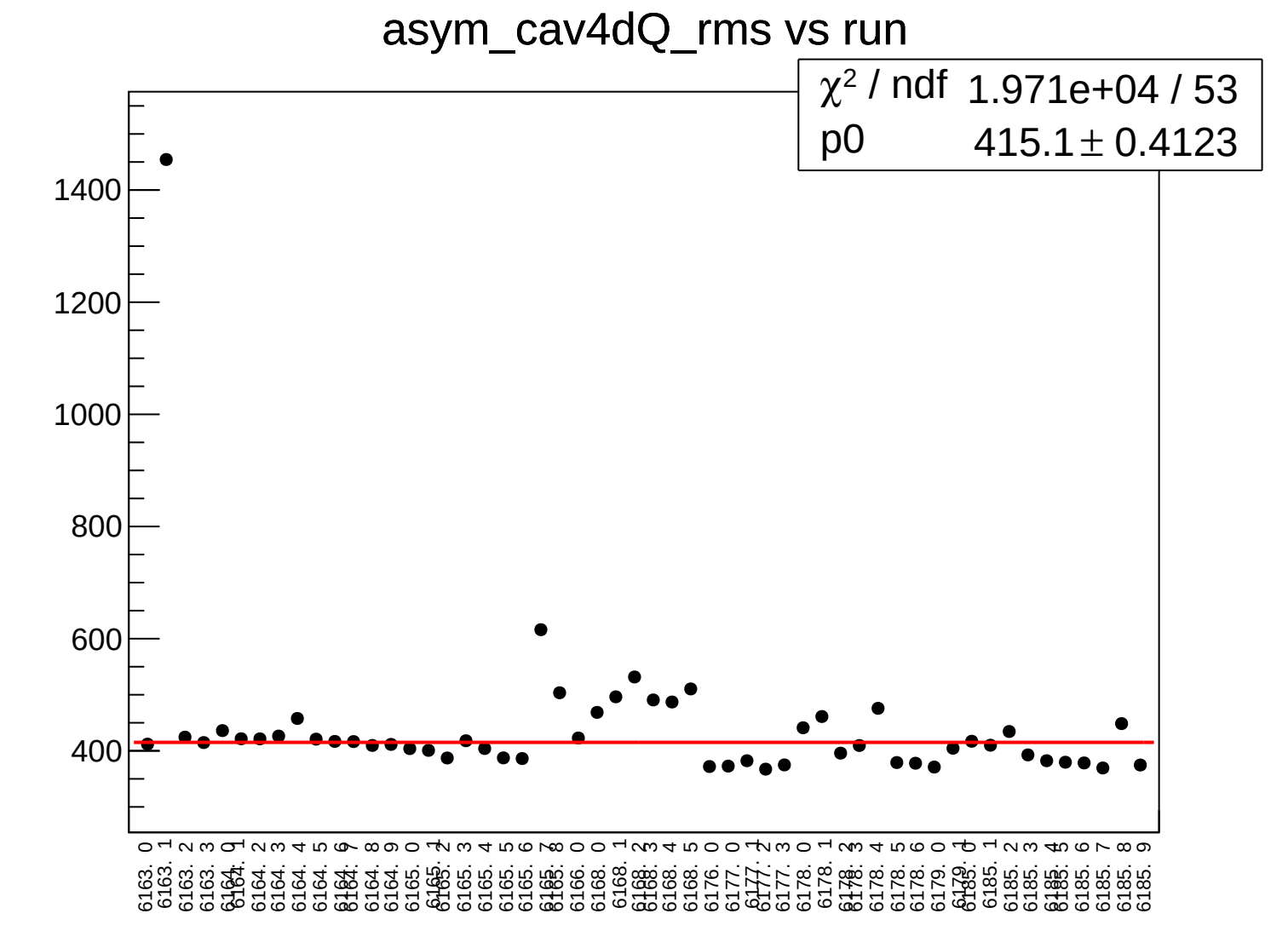

asym_cav4cQ_mean vs run
χ² / ndf 10.18 / 53
p0 200.8 ± 395.7
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 54
Mean 50.27
Std Dev 0
1.5
1
0.5
0
−0.5

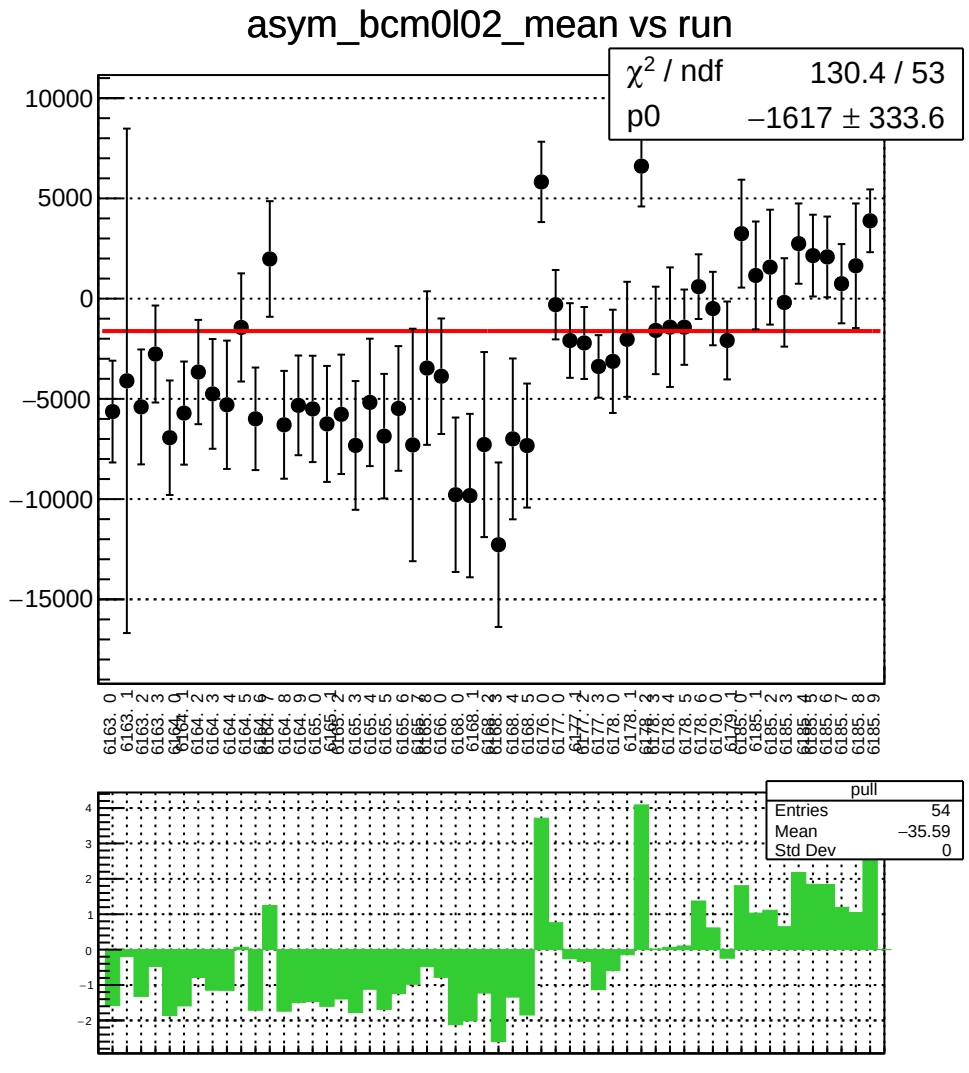

pull1D
Entries 54
Mean −0.01194
Std Dev 0.434
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

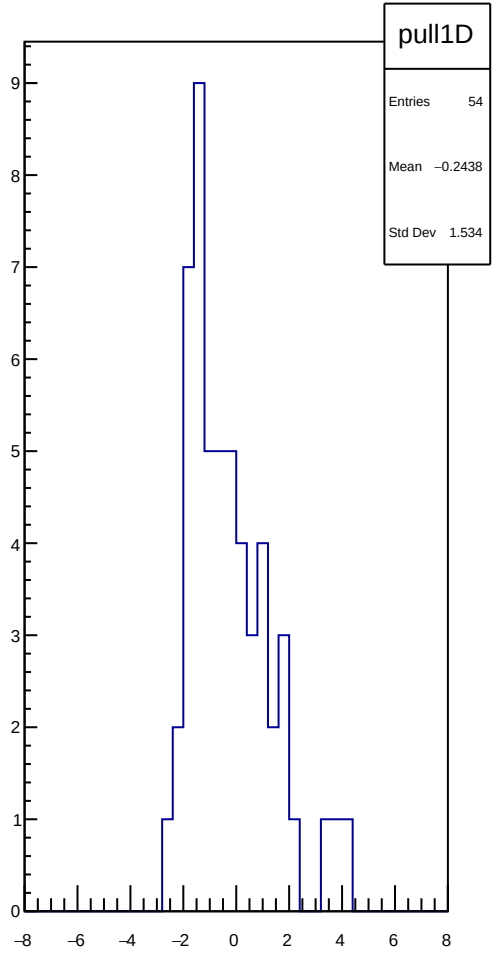

asym_cav4cQ_rms vs run
χ² / ndf 5.704e+04 / 53
p0 276.4 ± 0.2798
1600
1400
1200
1000
800
600
400
200
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

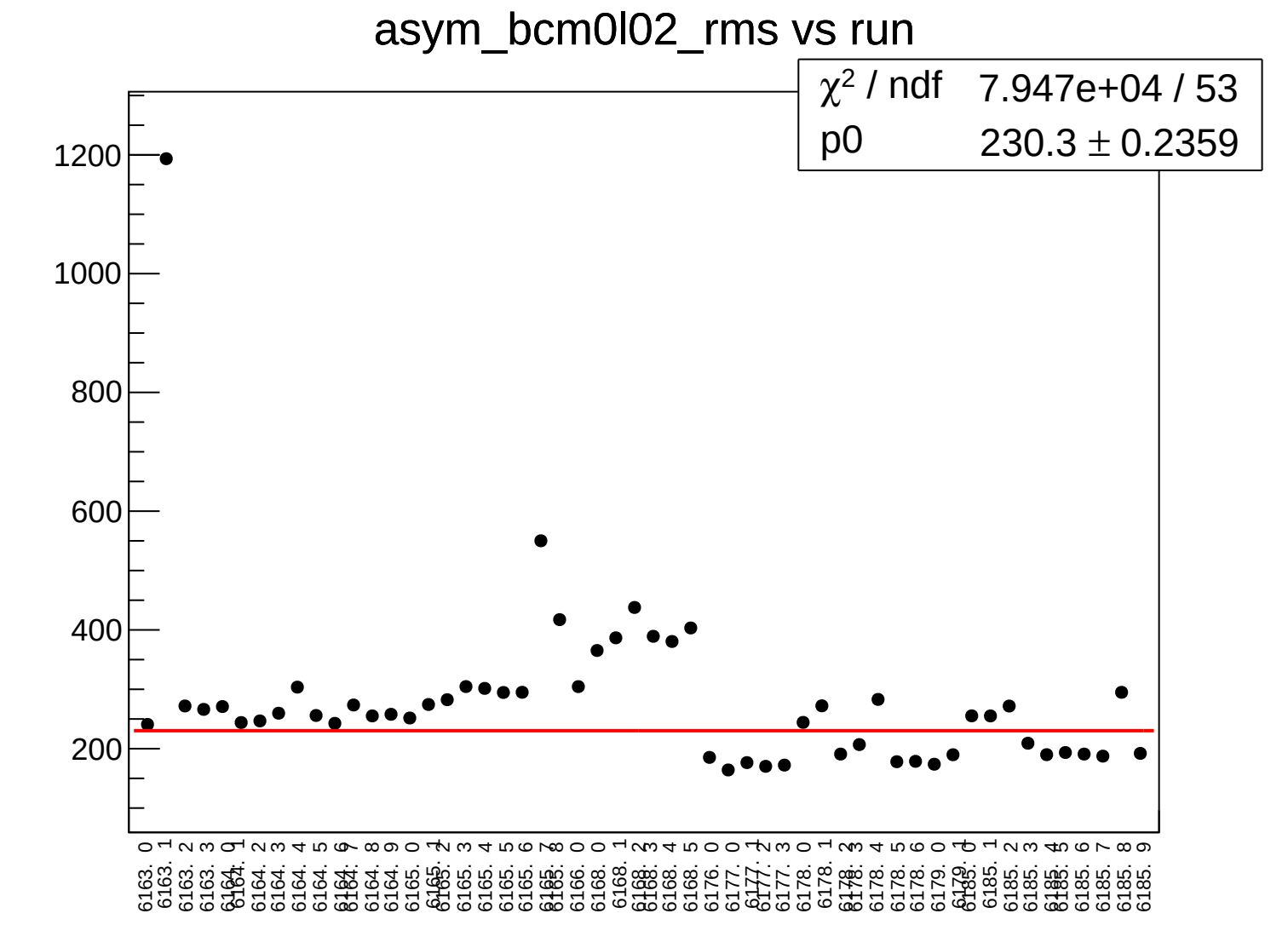

asym_cav4dQ_mean vs run
χ² / ndf 31.13 / 53
p0 289.3 ± 583.1
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 54
Mean −2102
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

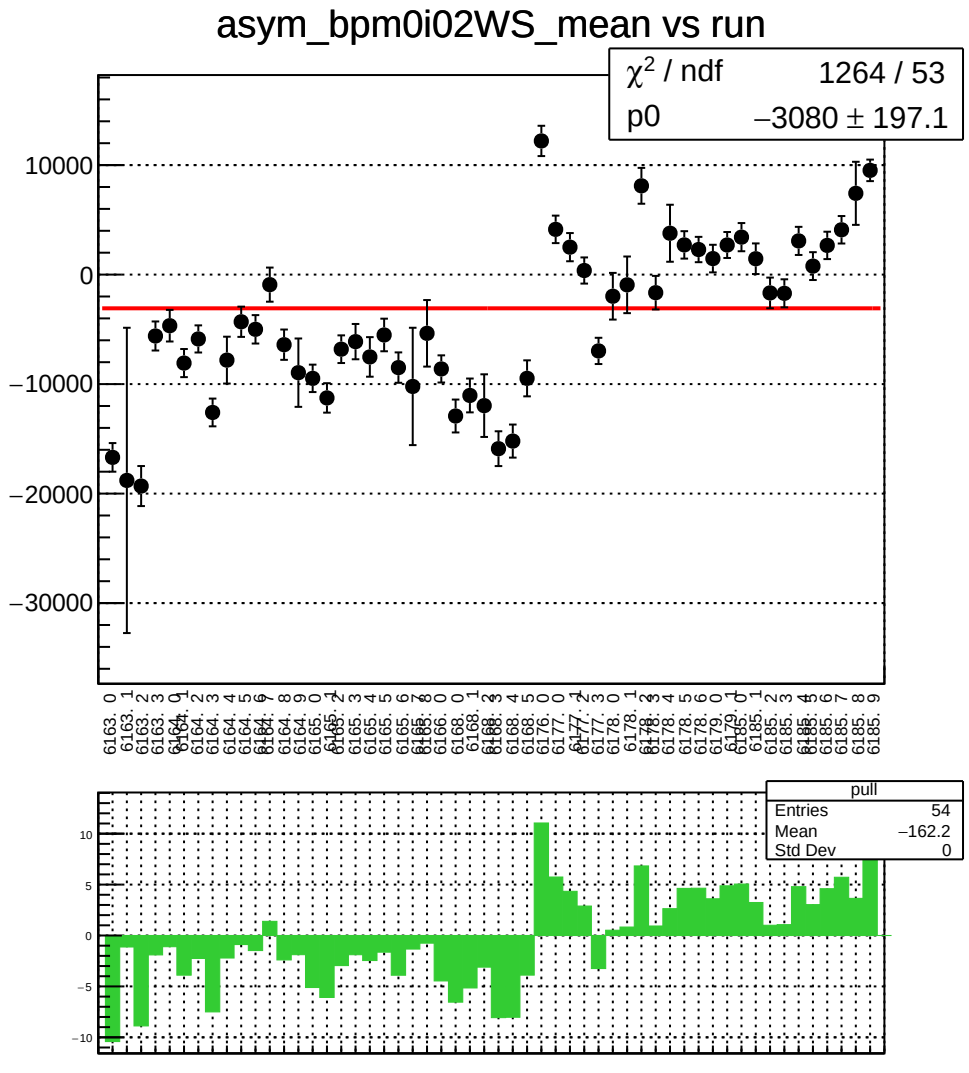

pull1D
Entries 54
Mean −0.000764
Std Dev 0.7592
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

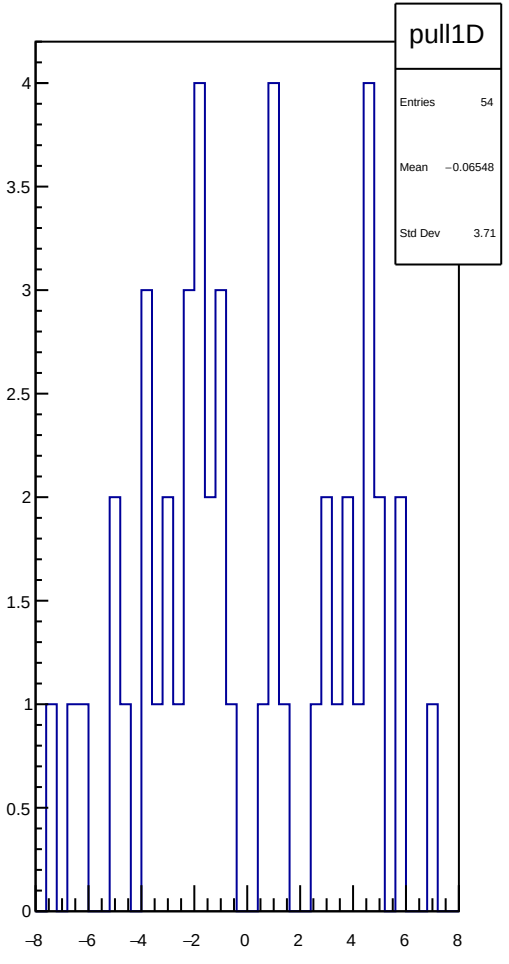

asym_cav4dQ_rms vs run
χ² / ndf 1.971e+04 / 53
p0 415.1 ± 0.4123
1400
1200
1000
800
600
400
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

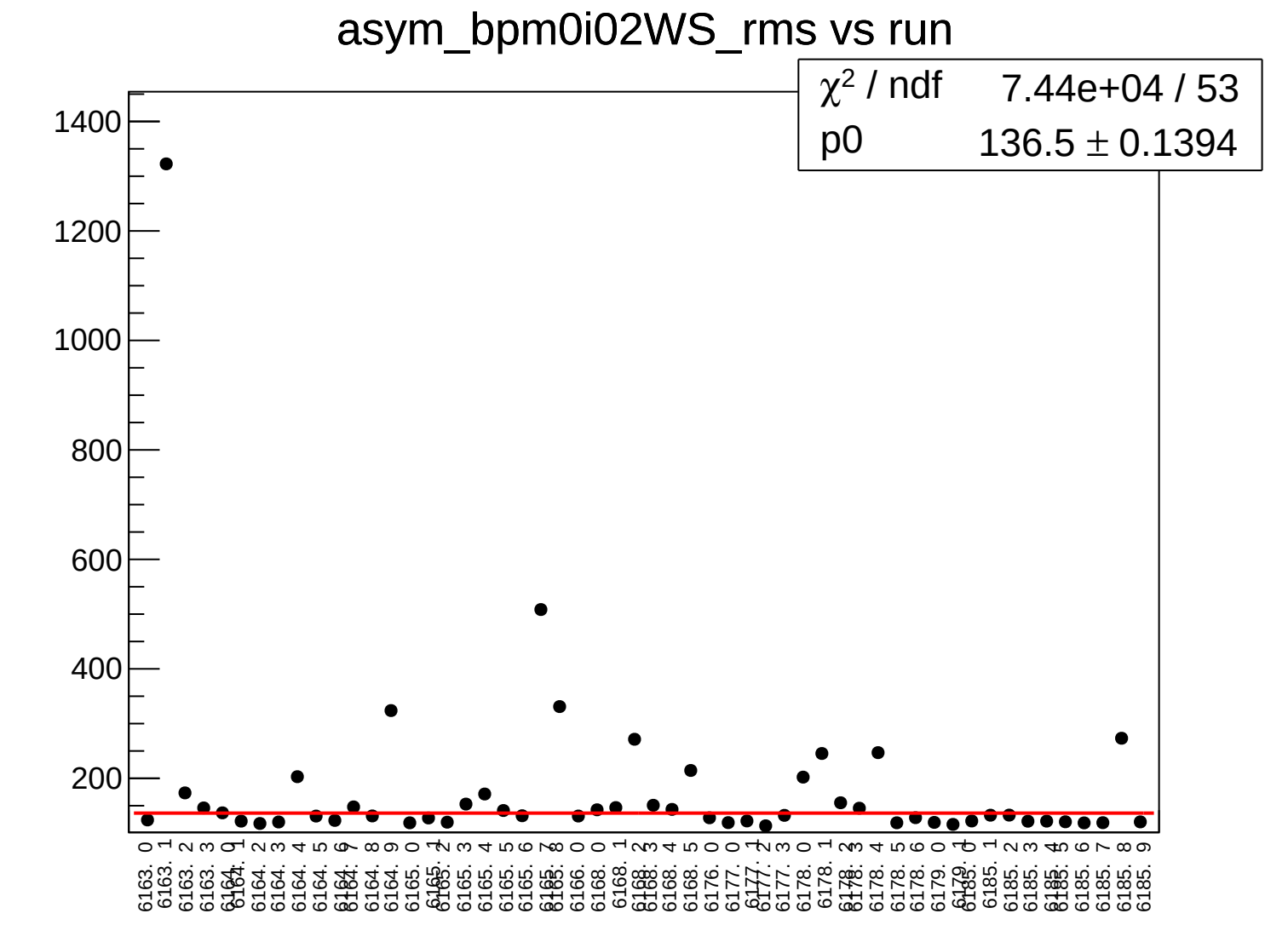

asym_bcm0l02_mean vs run
χ² / ndf 130.4 / 53
p0 −1617 ± 333.6
10000
5000
0
−5000
−10000
−15000
pull
Entries 54
Mean −35.59
Std Dev 0
4
3
2
1
0
−1
−2

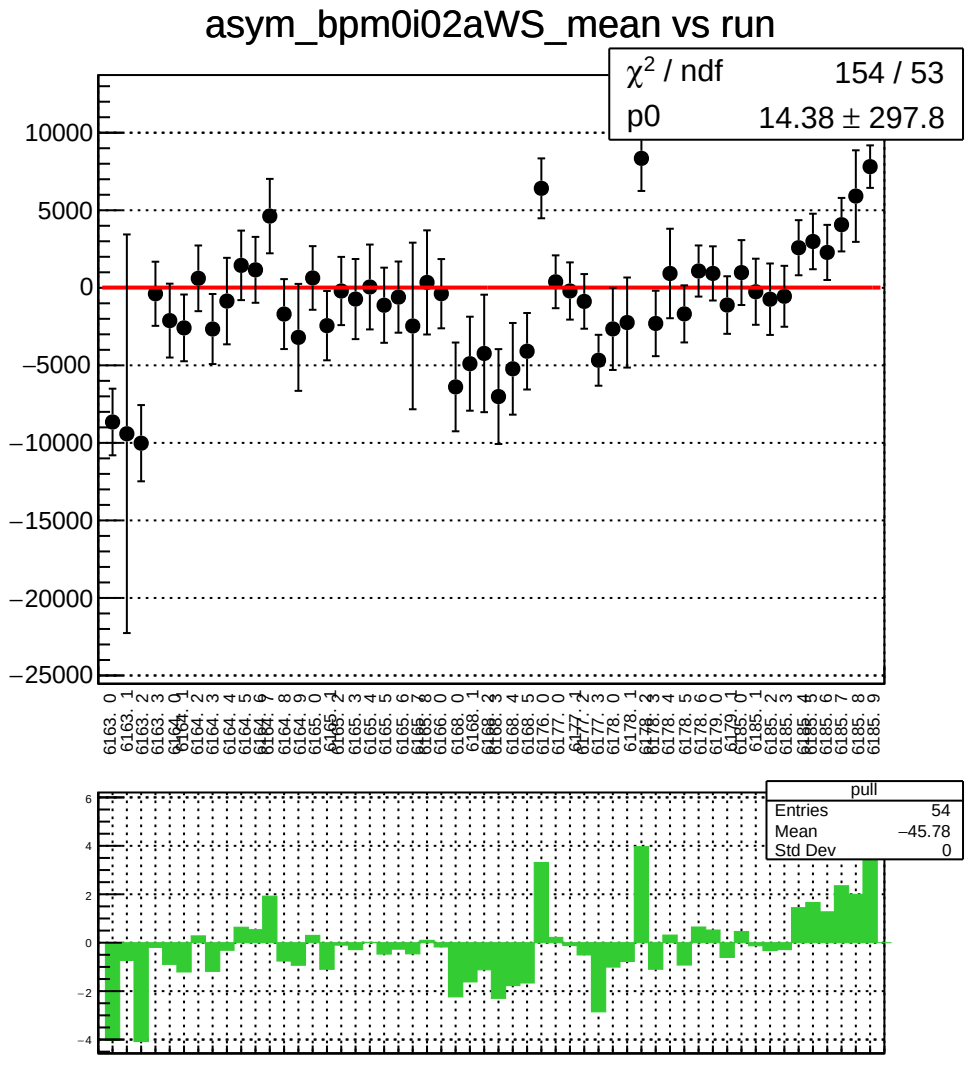

pull1D
Entries 54
Mean −0.2438
Std Dev 1.534
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

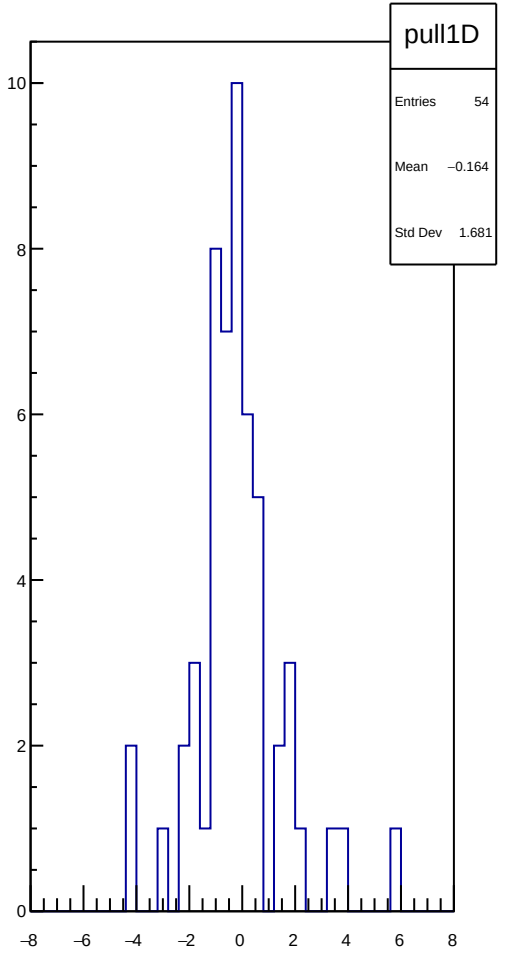

asym_bcm0l02_rms vs run
χ² / ndf 7.947e+04 / 53
p0 230.3 ± 0.2359
1200
1000
800
600
400
200
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

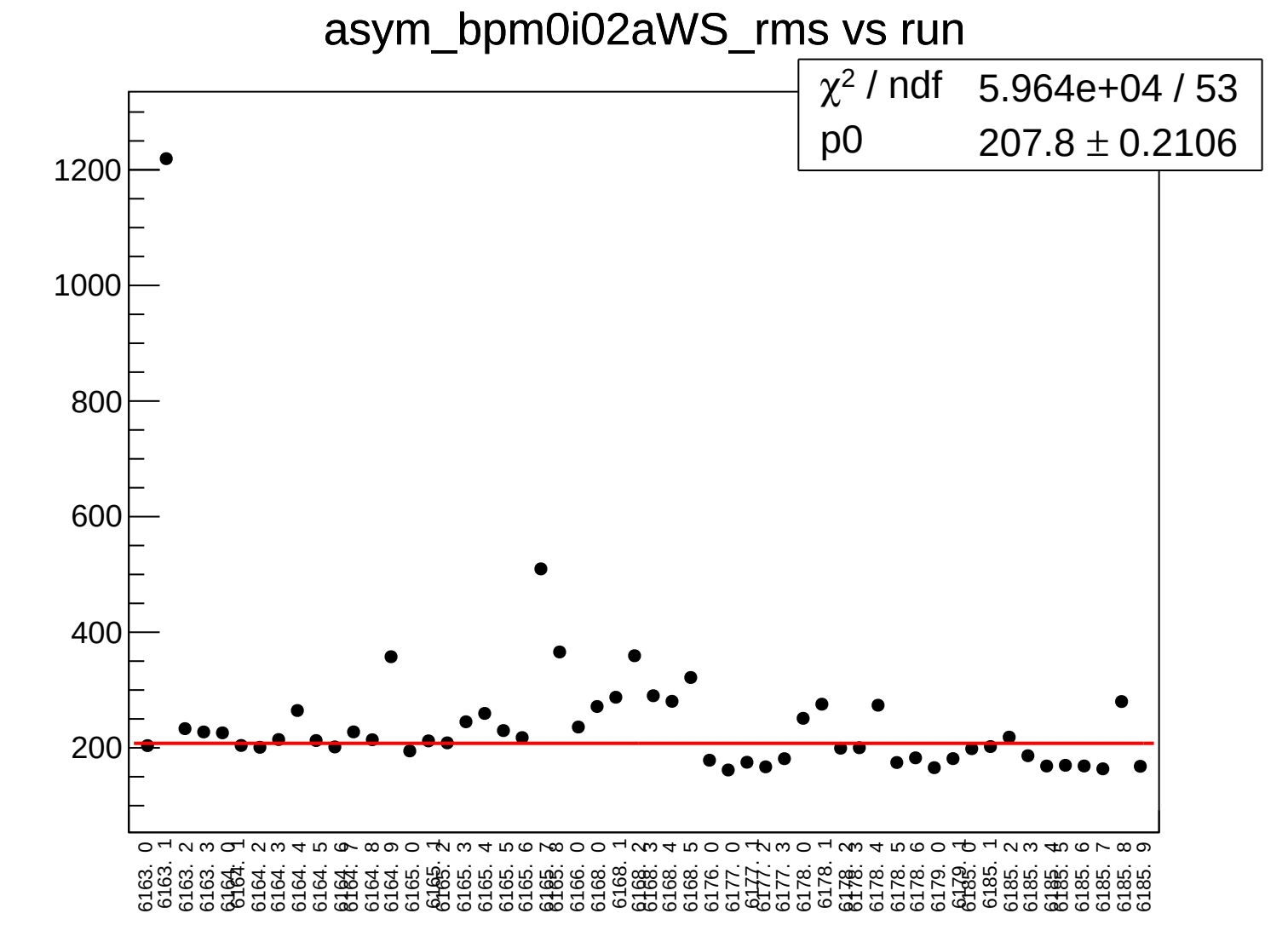

asym_bpm0i02WS_mean vs run
χ² / ndf 1264 / 53
p0 −3080 ± 197.1
10000
0
−10000
−20000
−30000
pull
Entries 54
Mean −162.2
Std Dev 0
10
5
0
−5
−10

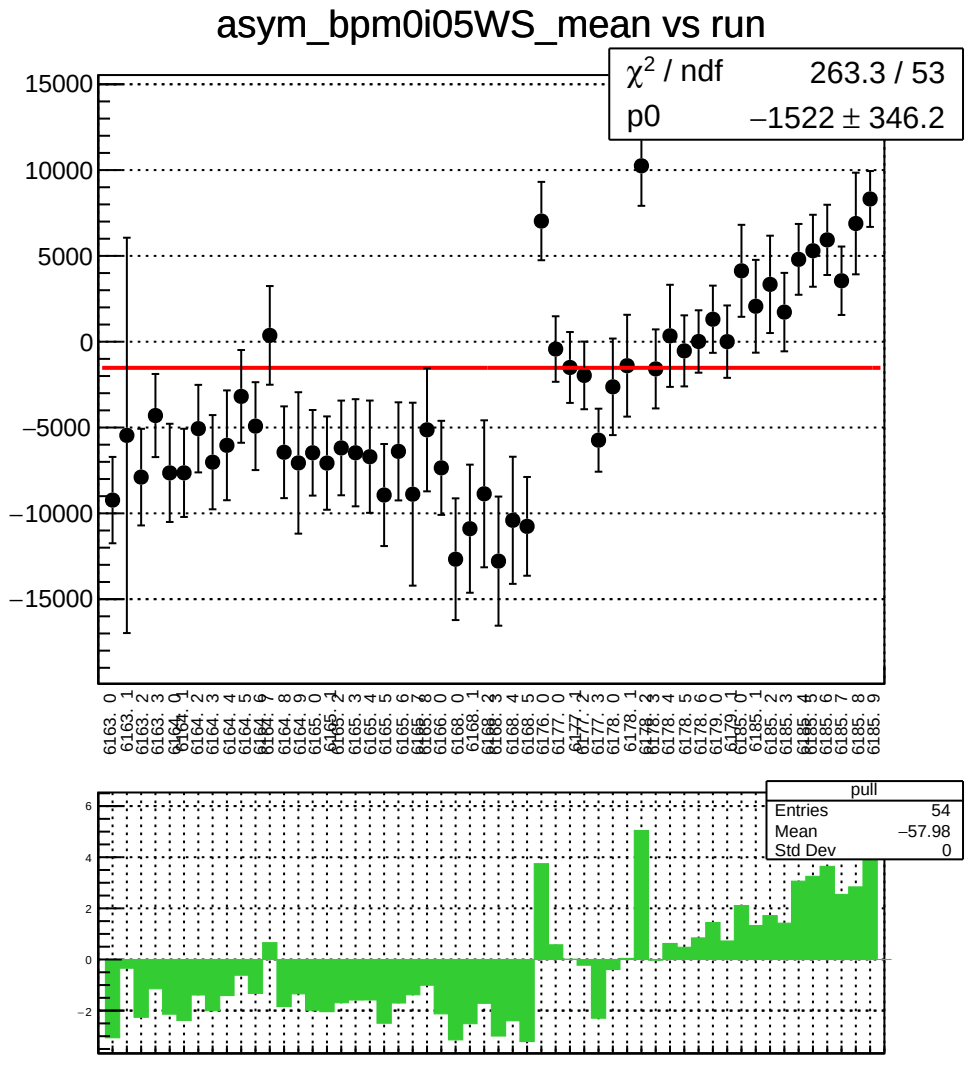

pull1D
Entries 54
Mean −0.06548
Std Dev 3.71
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

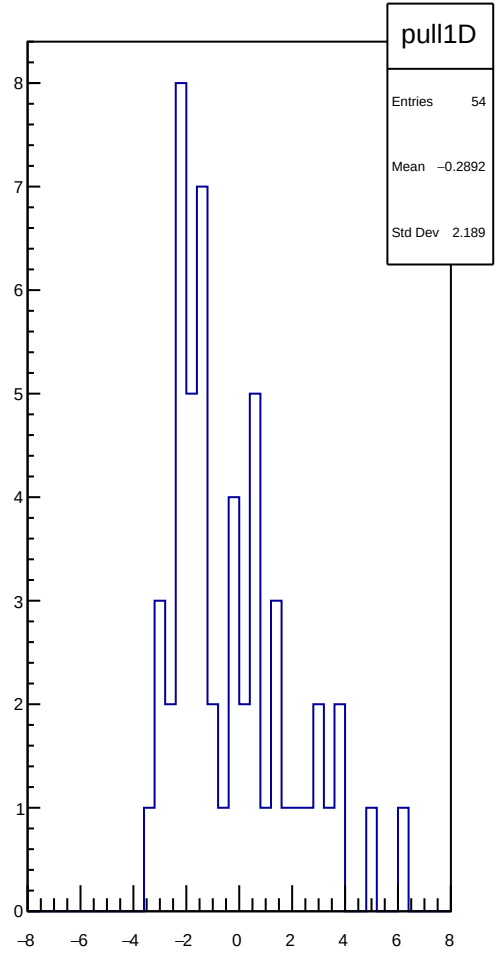

asym_bpm0i02WS_rms vs run
χ² / ndf 7.44e+04 / 53
p0 136.5 ± 0.1394
1400
1200
1000
800
600
400
200
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

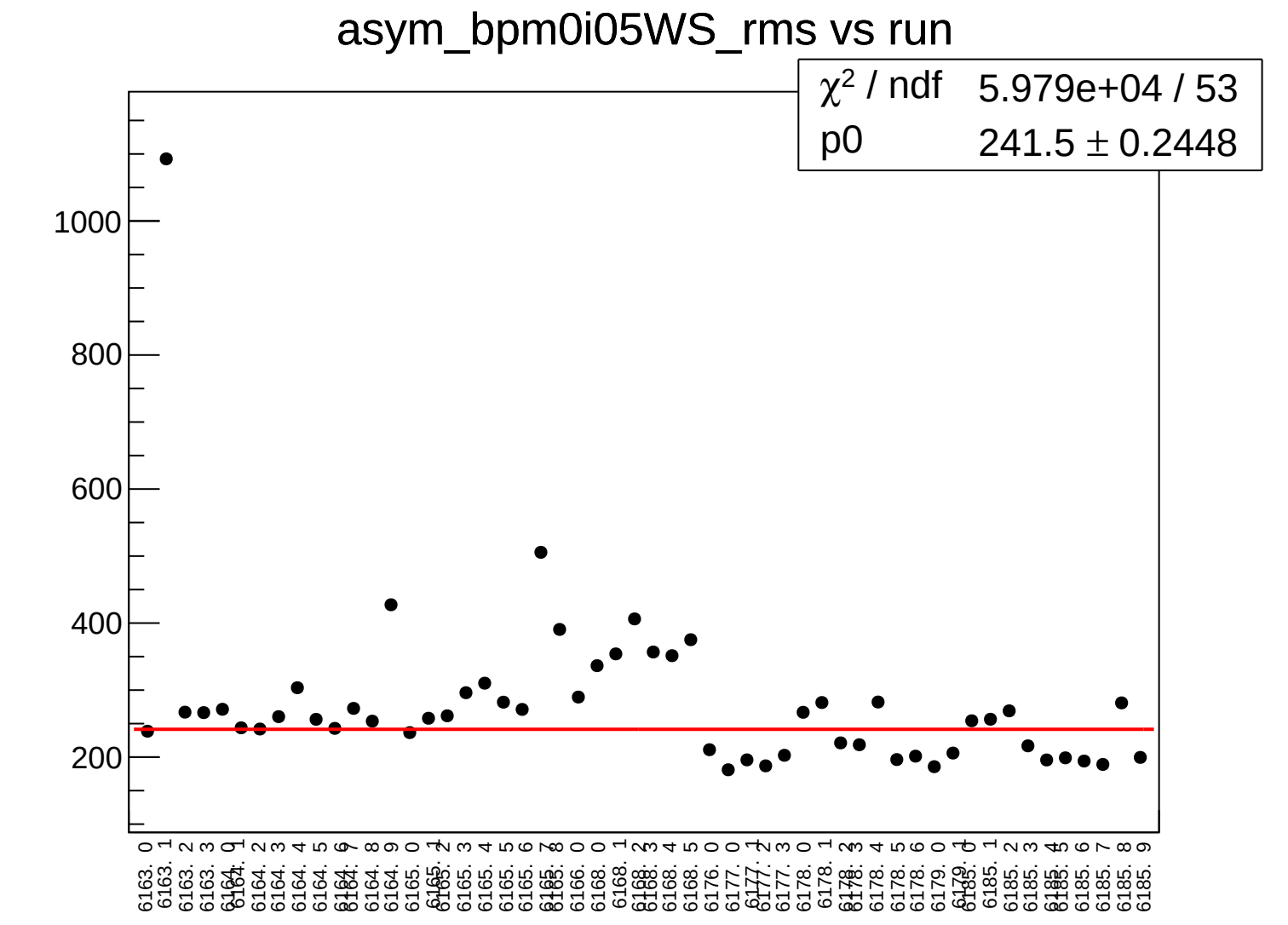

asym_bpm0i02aWS_mean vs run
χ² / ndf 154 / 53
p0 14.38 ± 297.8
pull
Entries 54
Mean −45.78
Std Dev 0

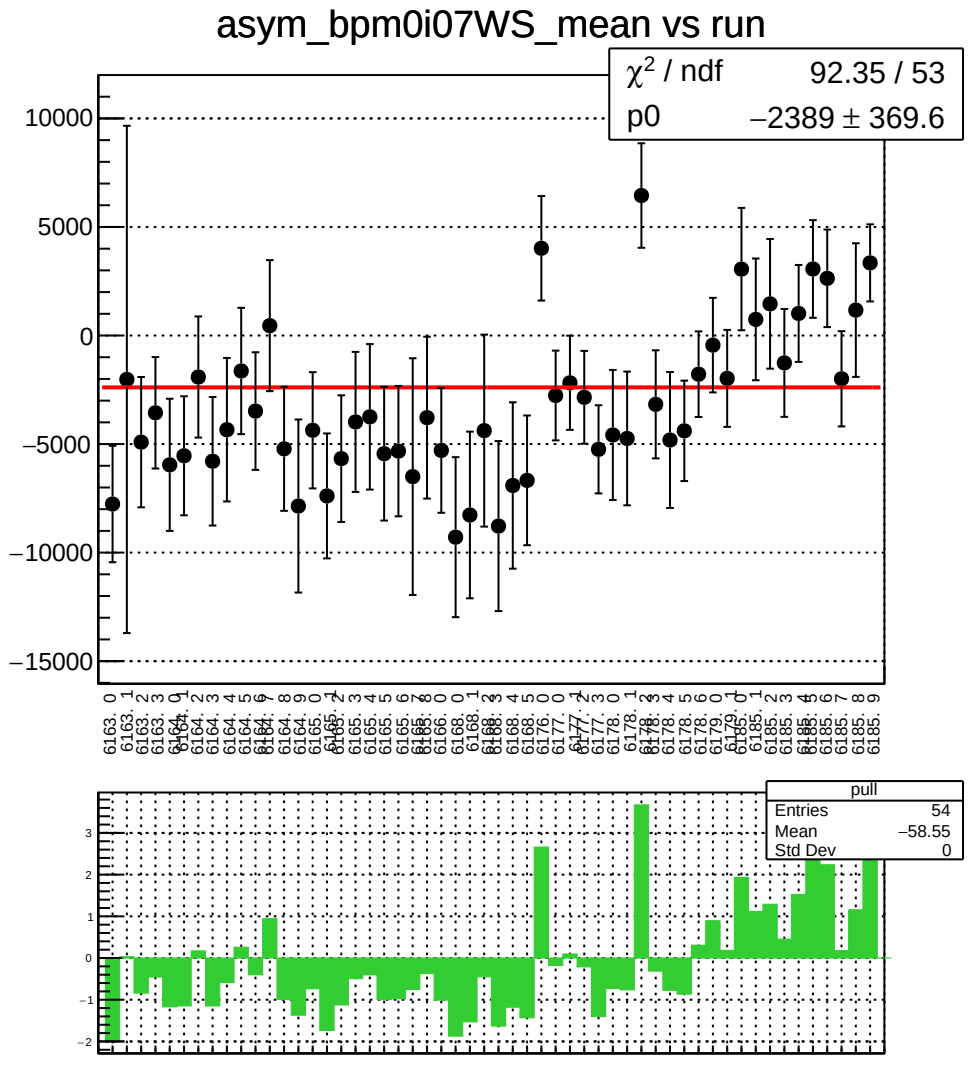

pull1D
Entries 54
Mean −0.164
Std Dev 1.681

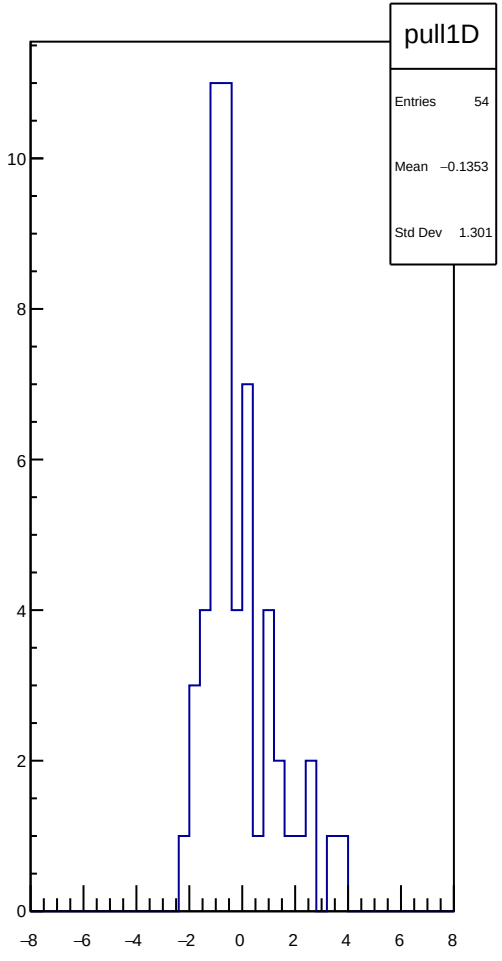

asym_bpm0i02aWS_rms vs run
χ² / ndf 5.964e+04 / 53
p0 207.8 ± 0.2106
1200
1000
800
600
400
200
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

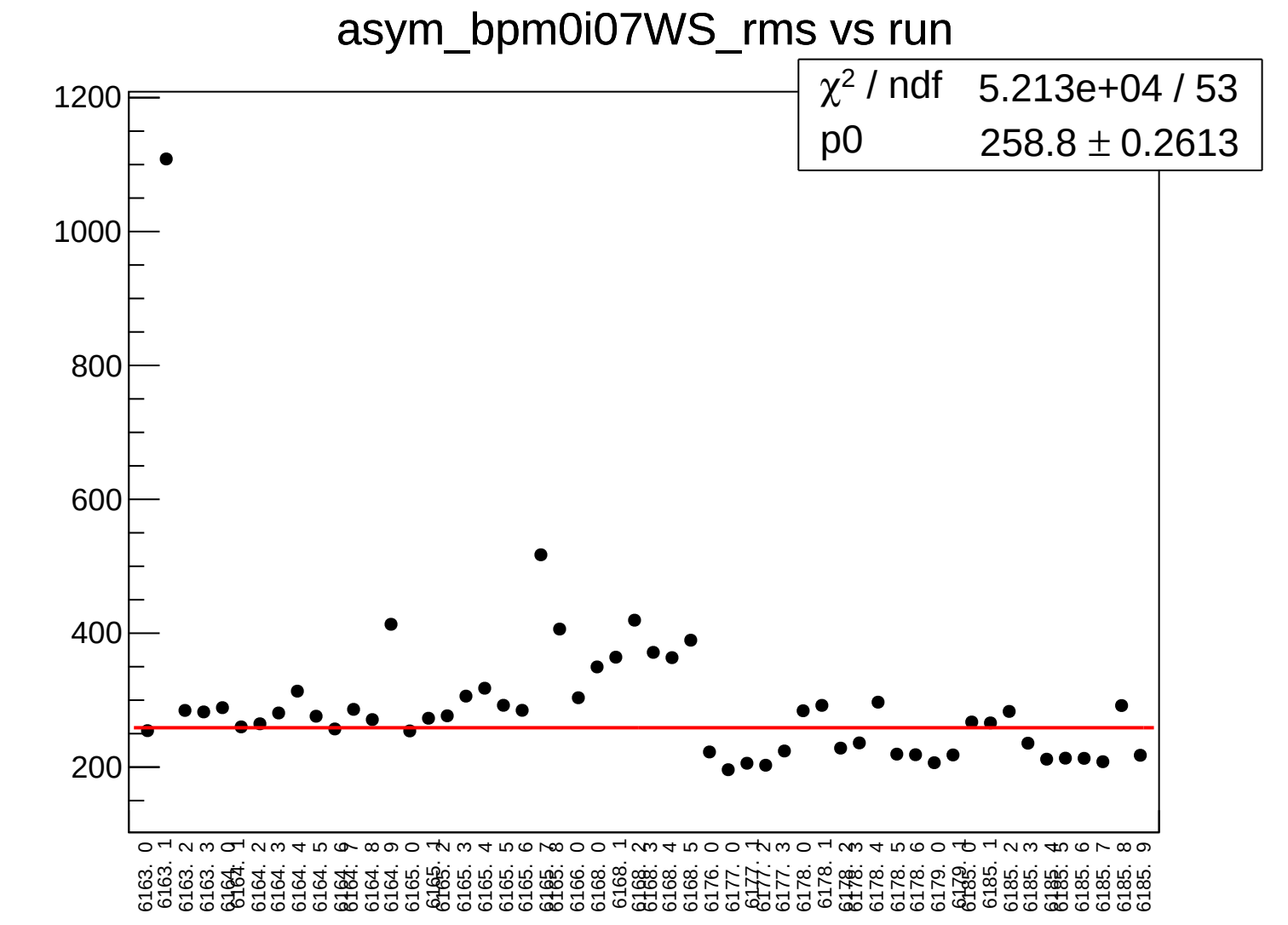

asym_bpm0i05WS_mean vs run
χ² / ndf 263.3 / 53
p0 −1522 ± 346.2
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 54
Mean −57.98
Std Dev 0
6
4
2
0
−2

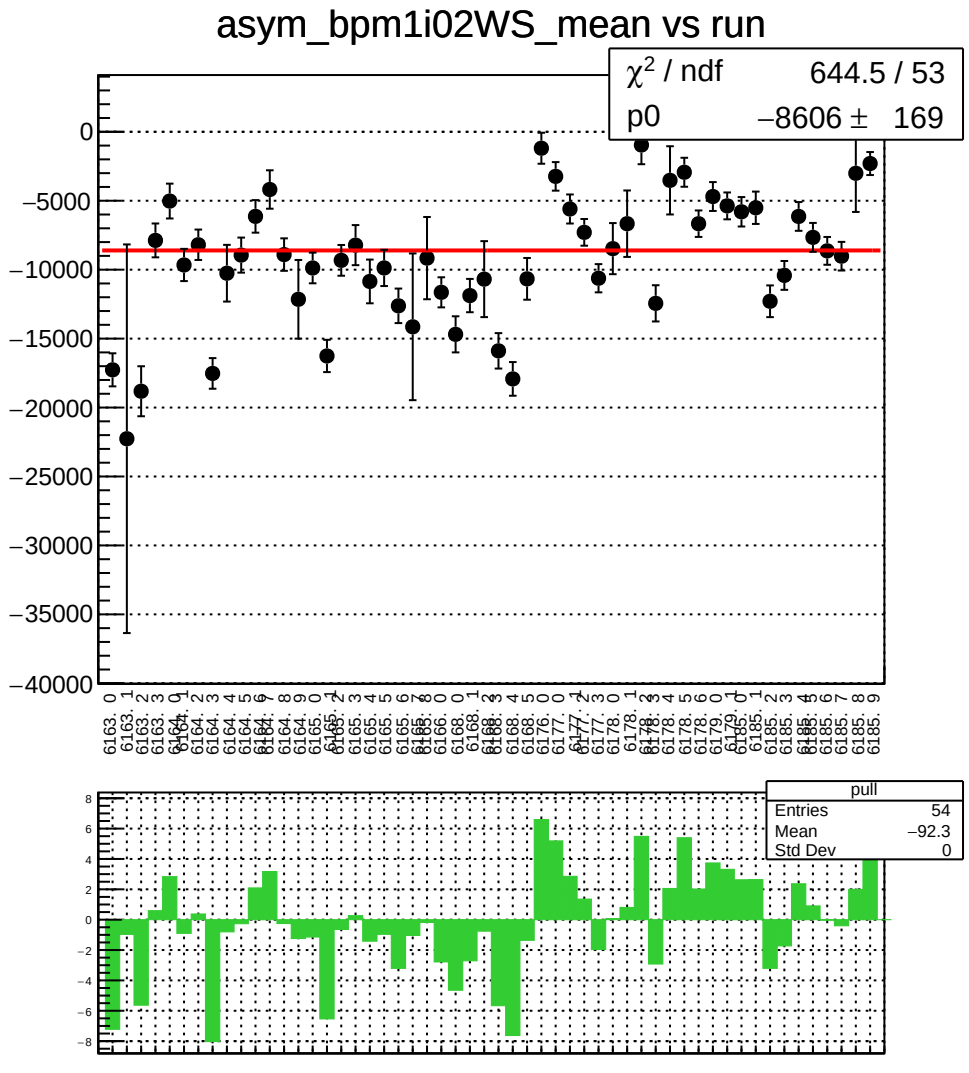

pull1D
Entries 54
Mean −0.2892
Std Dev 2.189
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

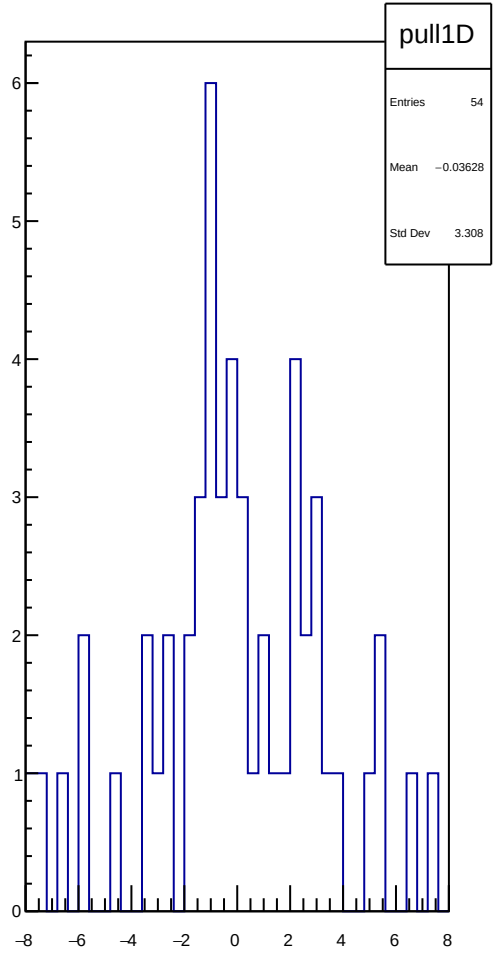

asym_bpm0i05WS_rms vs run
χ² / ndf 5.979e+04 / 53
p0 241.5 ± 0.2448
1000
800
600
400
200
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

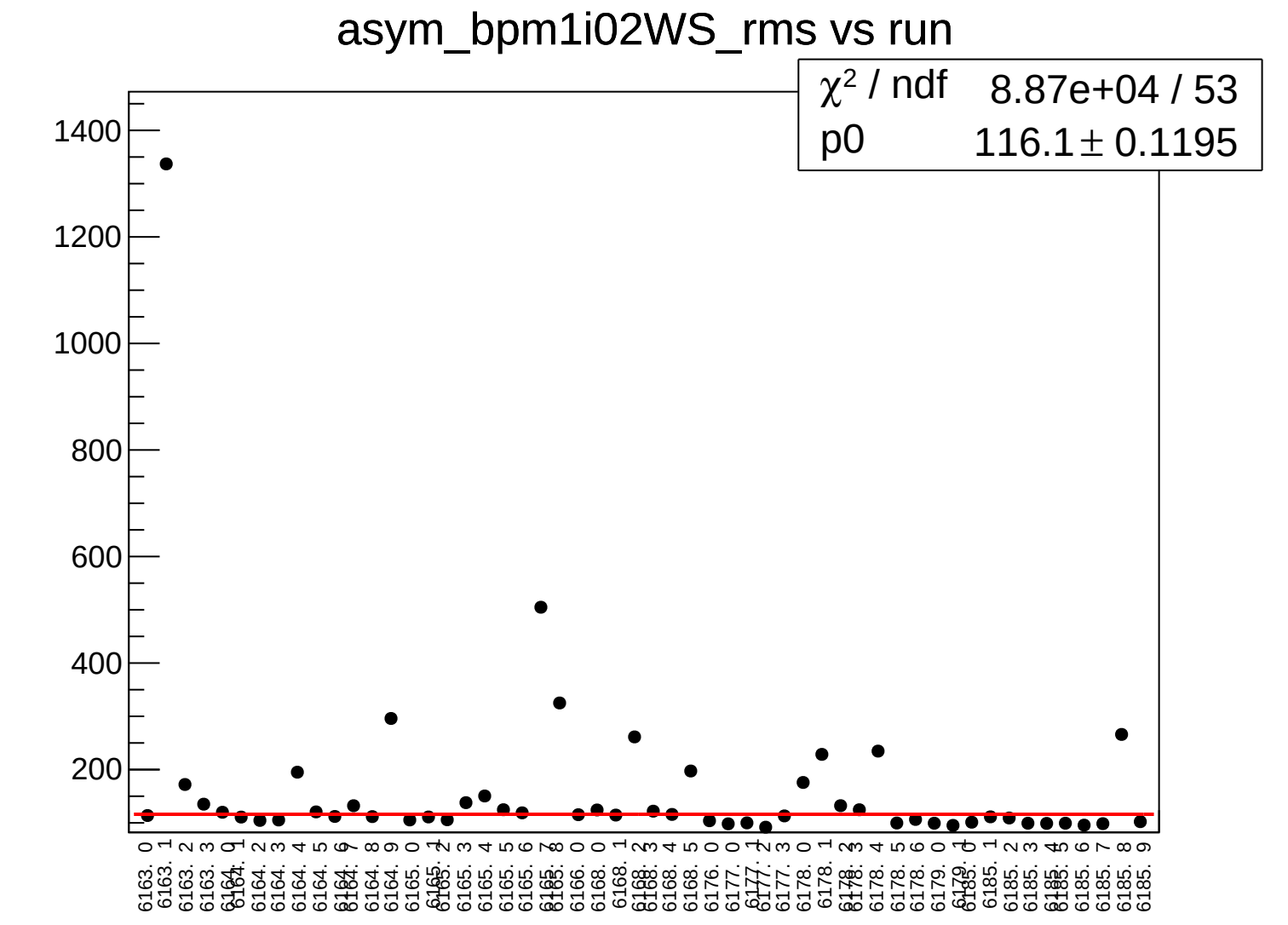

asym_bpm0i07WS_mean vs run
χ² / ndf 92.35 / 53
p0 −2389 ± 369.6
10000
5000
0
−5000
−10000
−15000
pull
Entries 54
Mean −58.55
Std Dev 0
3
2
1
0
−1
−2

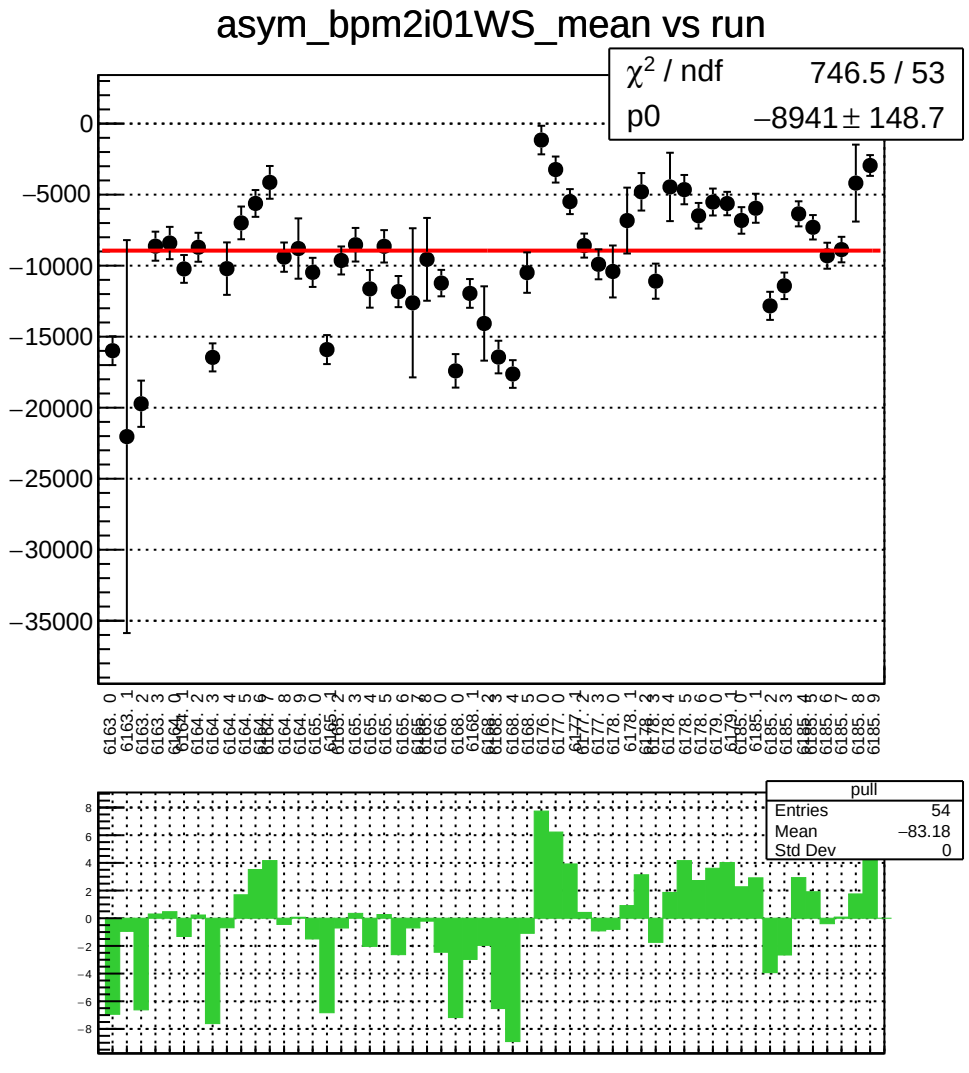

pull1D
Entries 54
Mean −0.1353
Std Dev 1.301
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

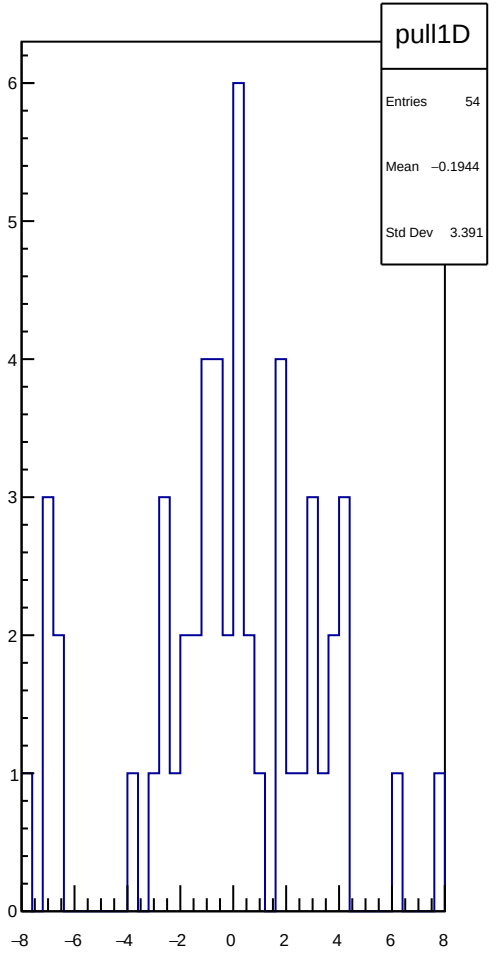

asym_bpm0i07WS_rms vs run
χ² / ndf 5.213e+04 / 53
p0 258.8 ± 0.2613
1200
1000
800
600
400
200
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

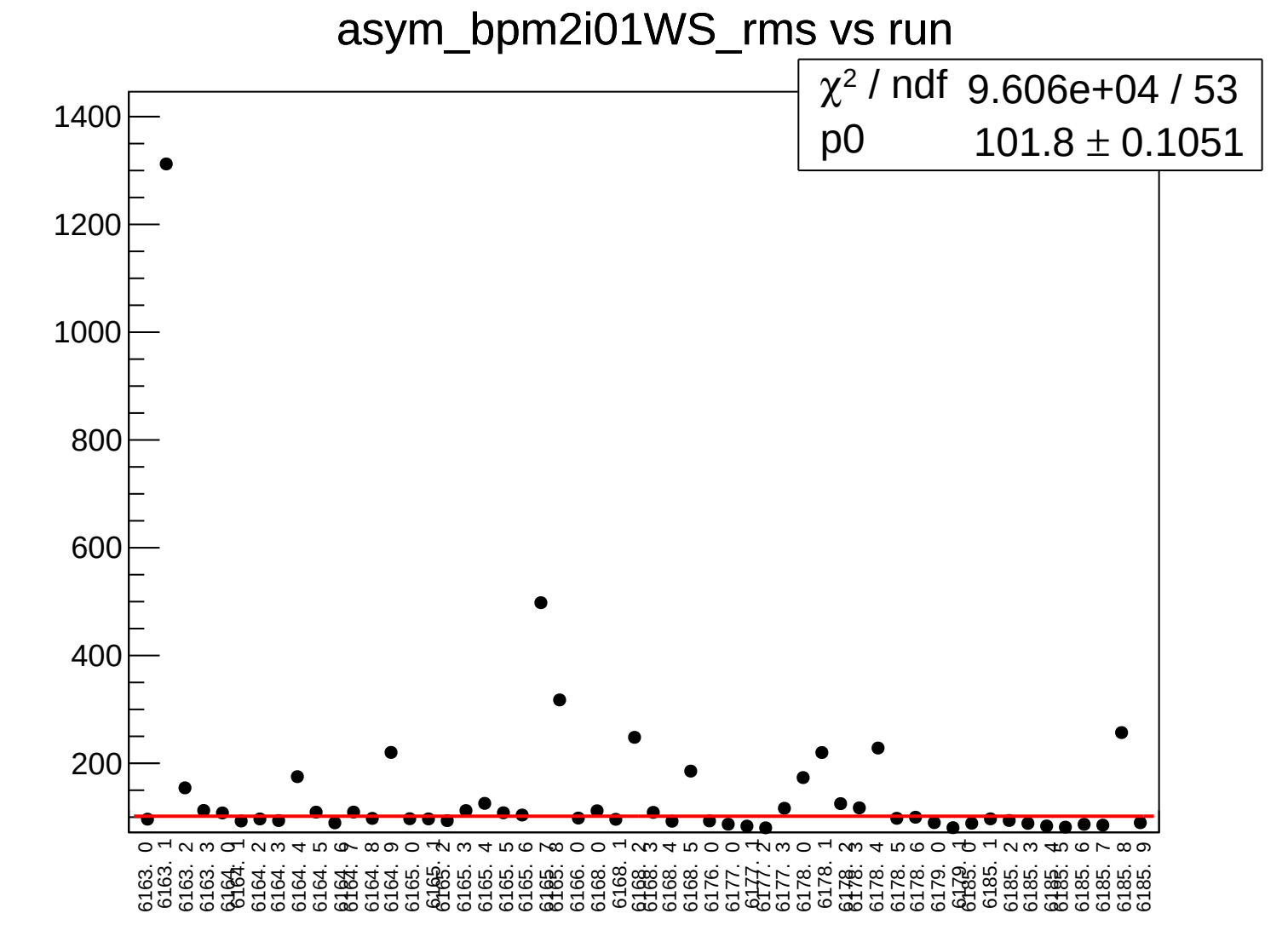

asym_bpm1i02WS_mean vs run
χ² / ndf 644.5 / 53
p0 −8606 ± 169
pull
Entries 54
Mean −92.3
Std Dev 0

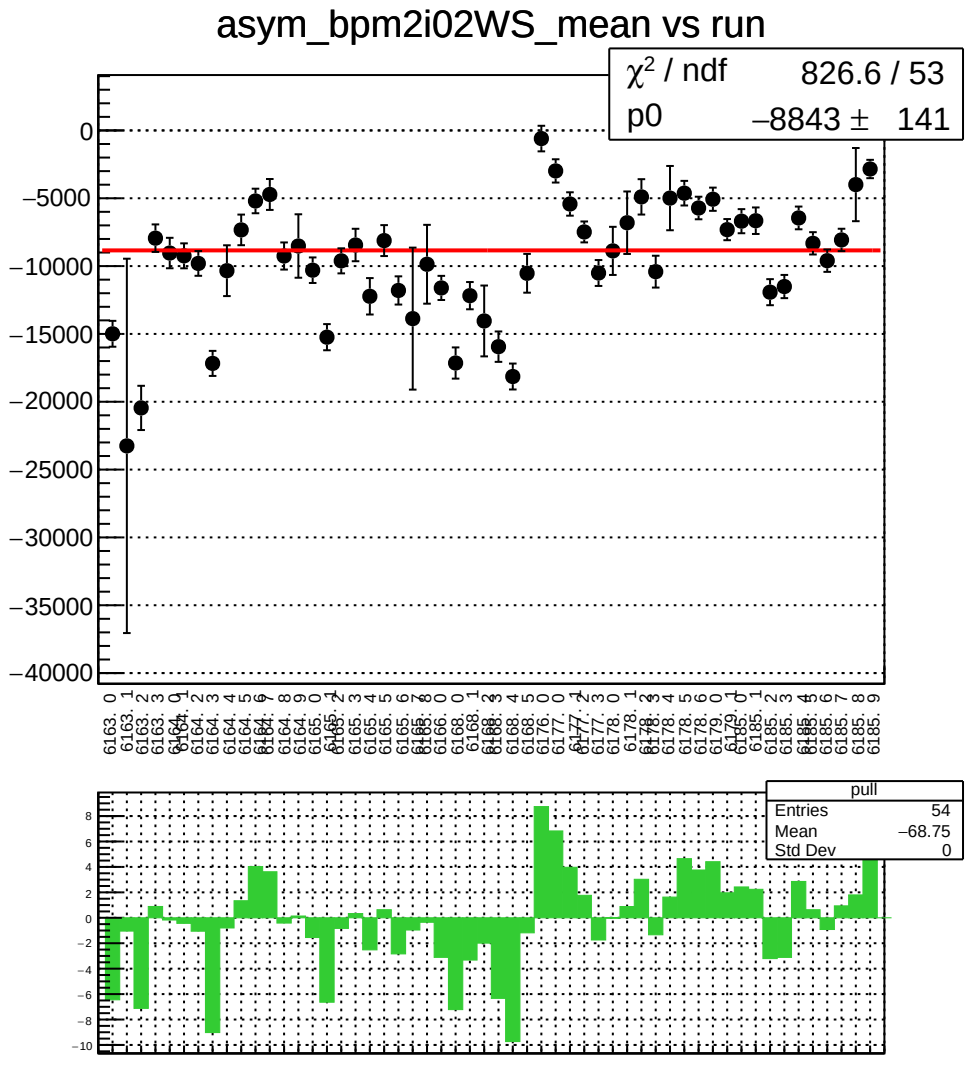

pull1D
Entries 54
Mean −0.03628
Std Dev 3.308

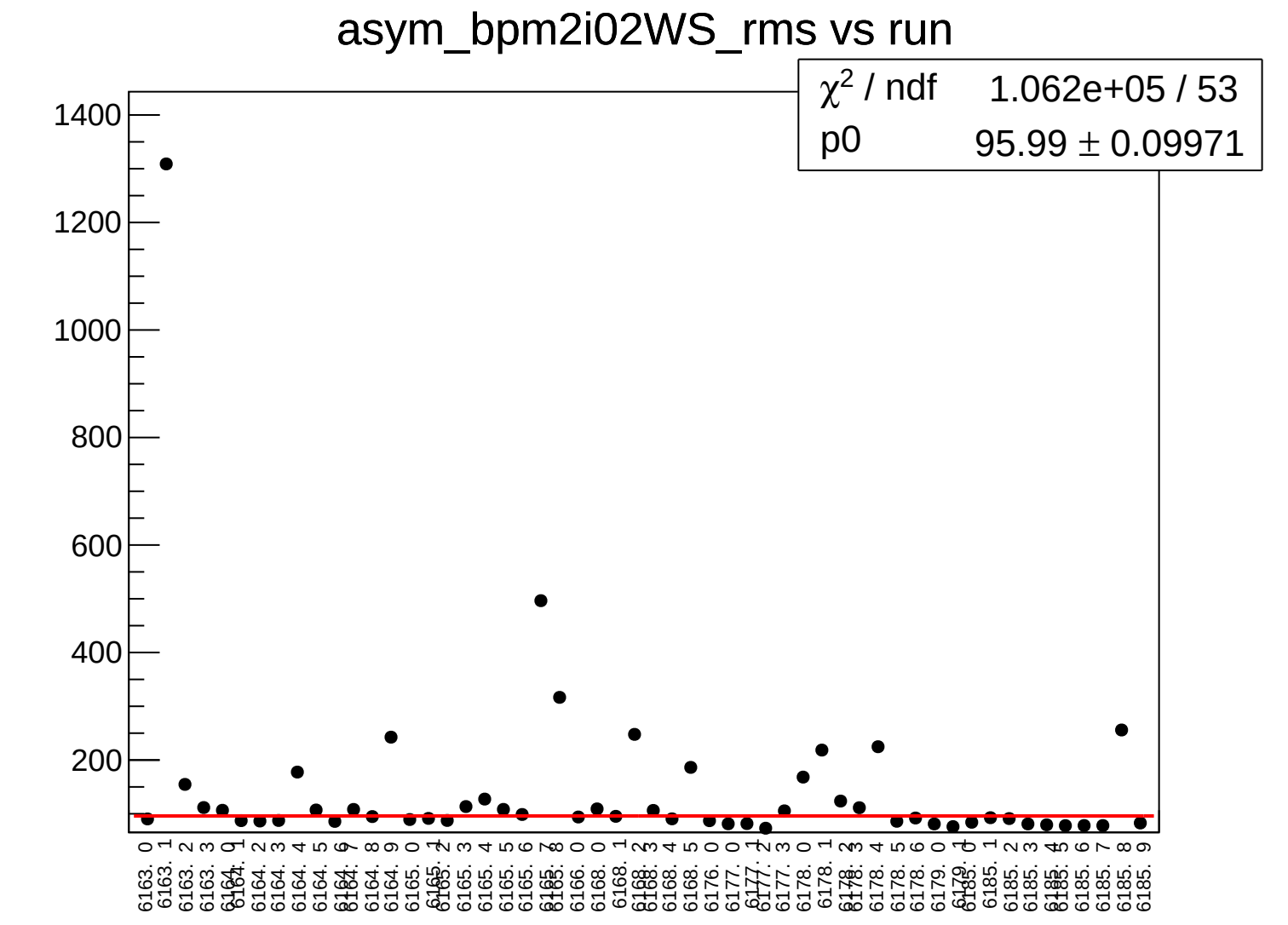

asym_bpm1i02WS_rms vs run
χ² / ndf 8.87e+04 / 53
p0 116.1 ± 0.1195
1400
1200
1000
800
600
400
200
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

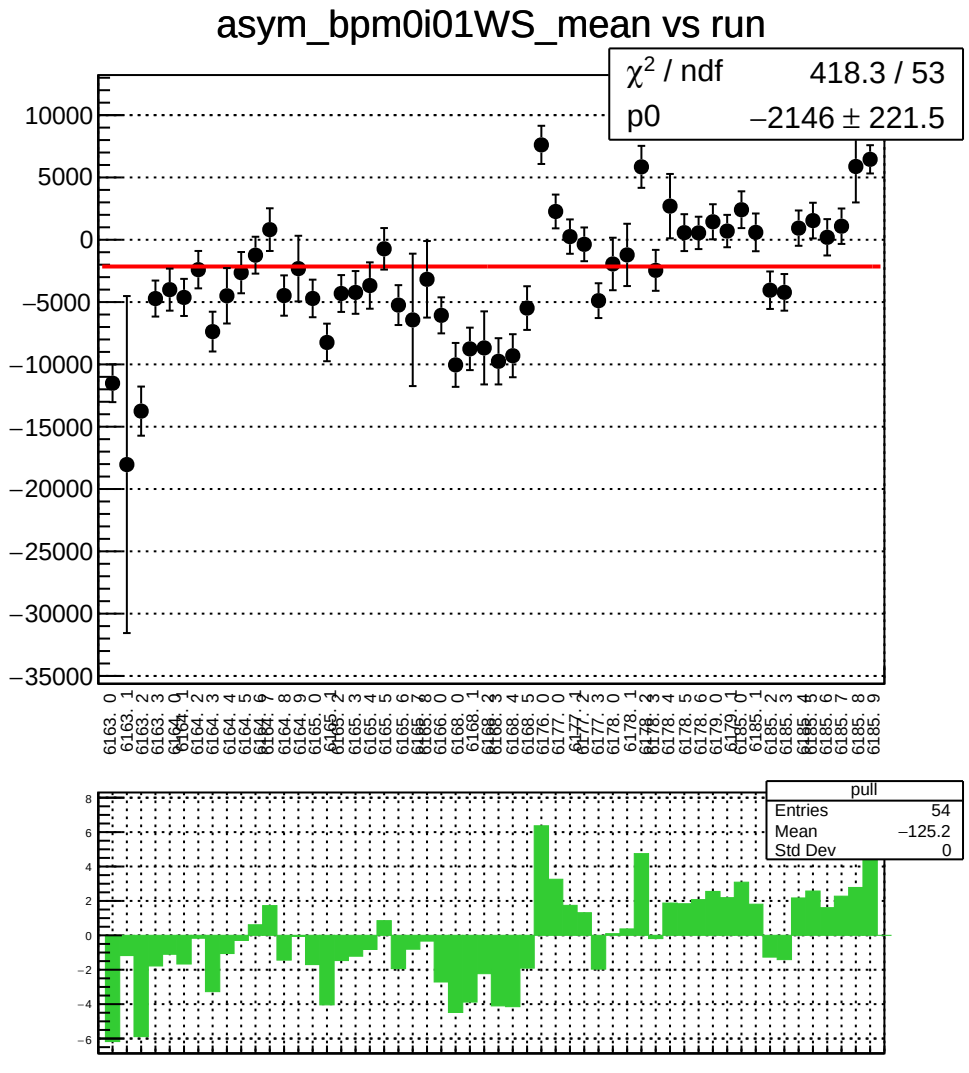

asym_bpm2i01WS_mean vs run
χ² / ndf 746.5 / 53
p0 −8941 ± 148.7
pull
Entries 54
Mean −83.18
Std Dev 0

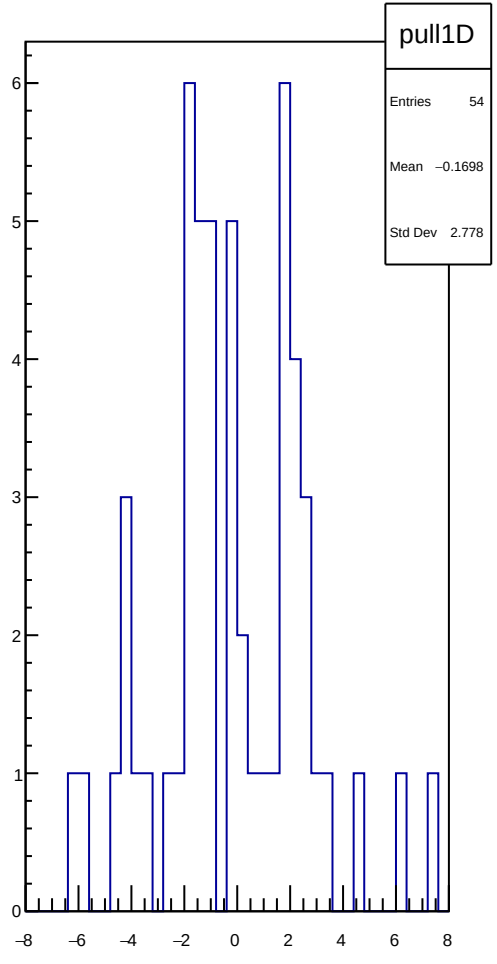

pull1D
Entries 54
Mean −0.1944
Std Dev 3.391

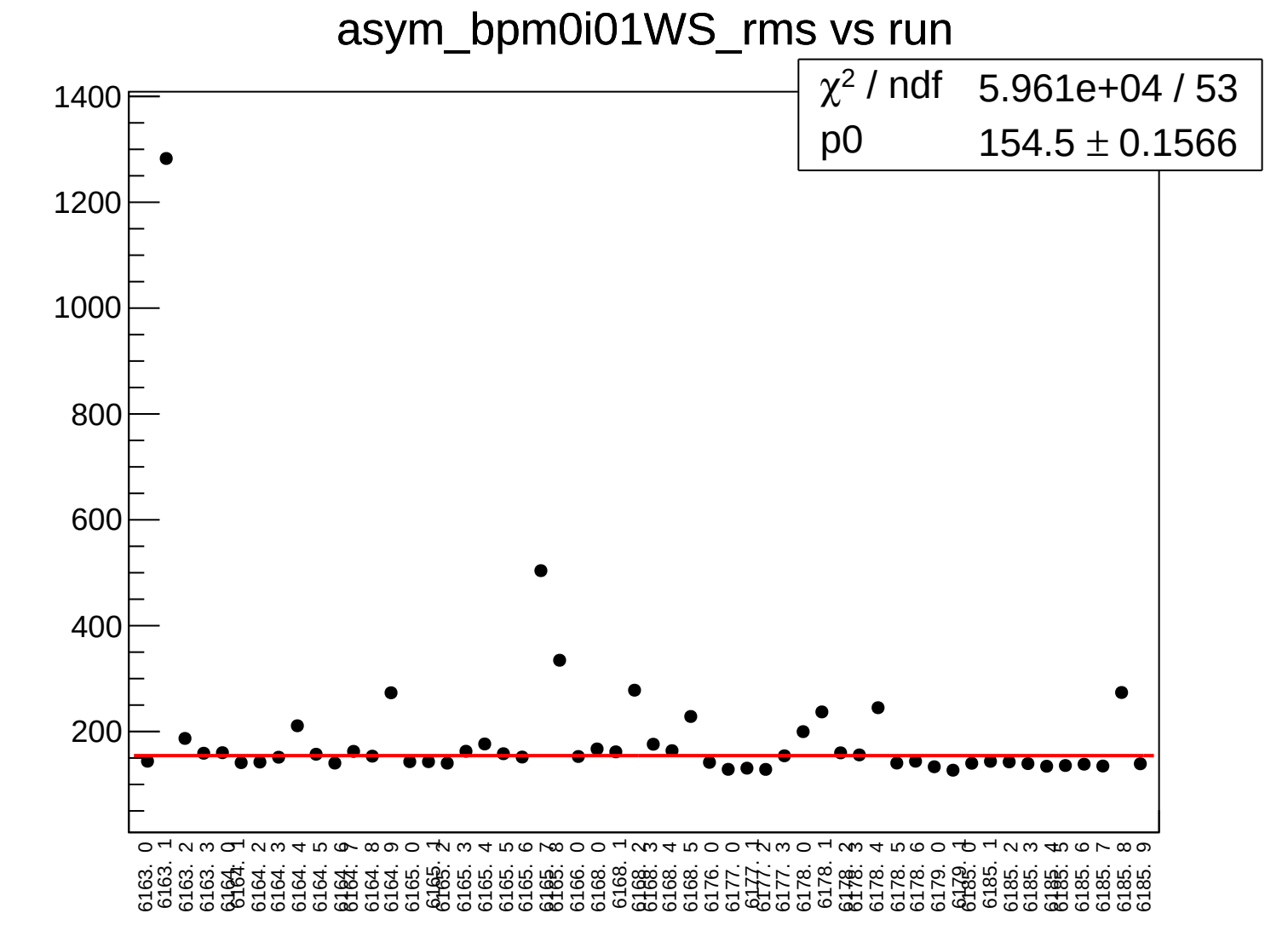

asym_bpm2i01WS_rms vs run
χ² / ndf 9.606e+04 / 53
p0 101.8 ± 0.1051
1400
1200
1000
800
600
400
200
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

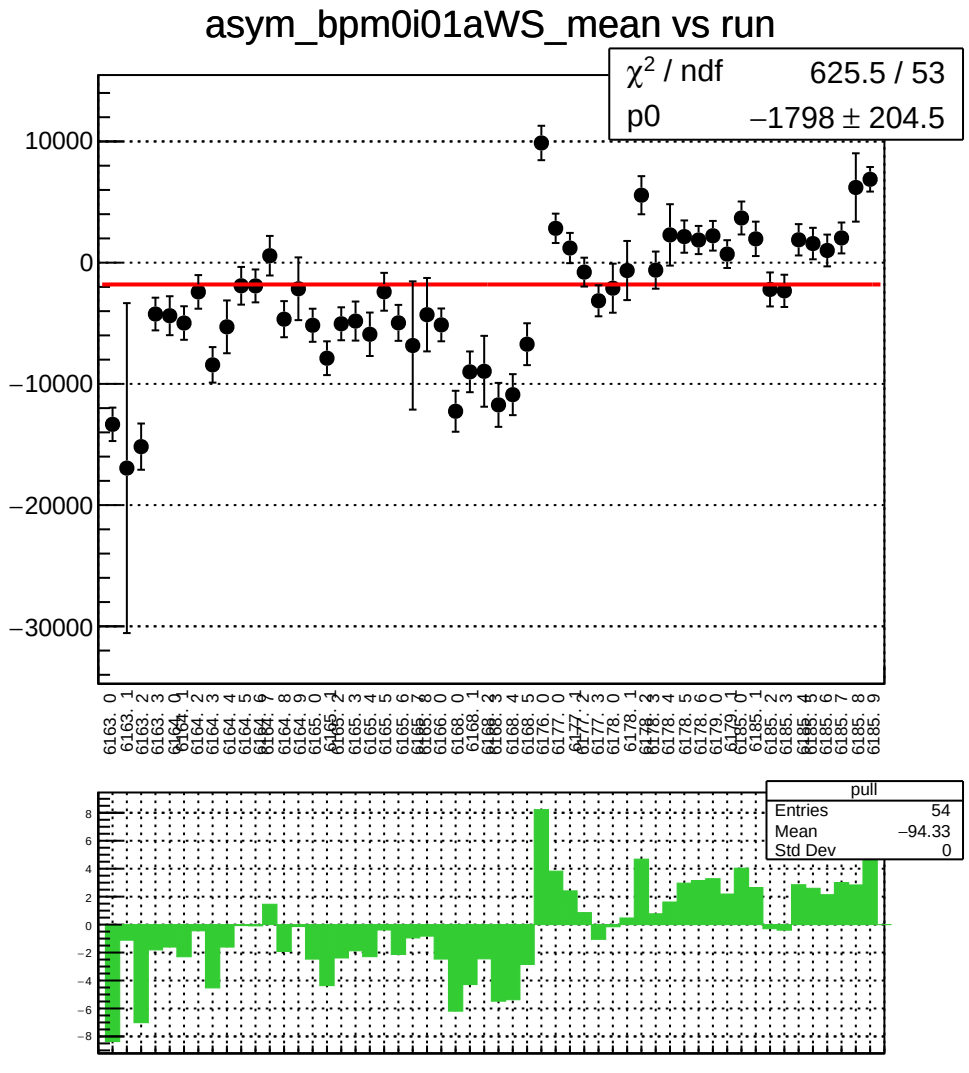

asym_bpm2i02WS_mean vs run
χ² / ndf 826.6 / 53
p0 −8843 ± 141
pull
Entries 54
Mean −68.75
Std Dev 0
pull1D
Entries 54
Mean −0.2389
Std Dev 3.138

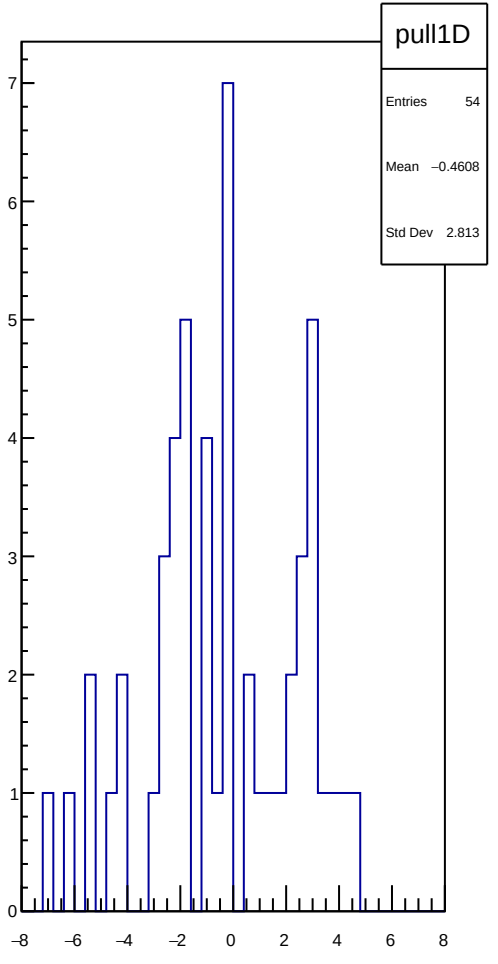

asym_bpm2i02WS_rms vs run
χ^2 / ndf 1.062e+05 / 53
p0 95.99 ± 0.09971
1400
1200
1000
800
600
400
200
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

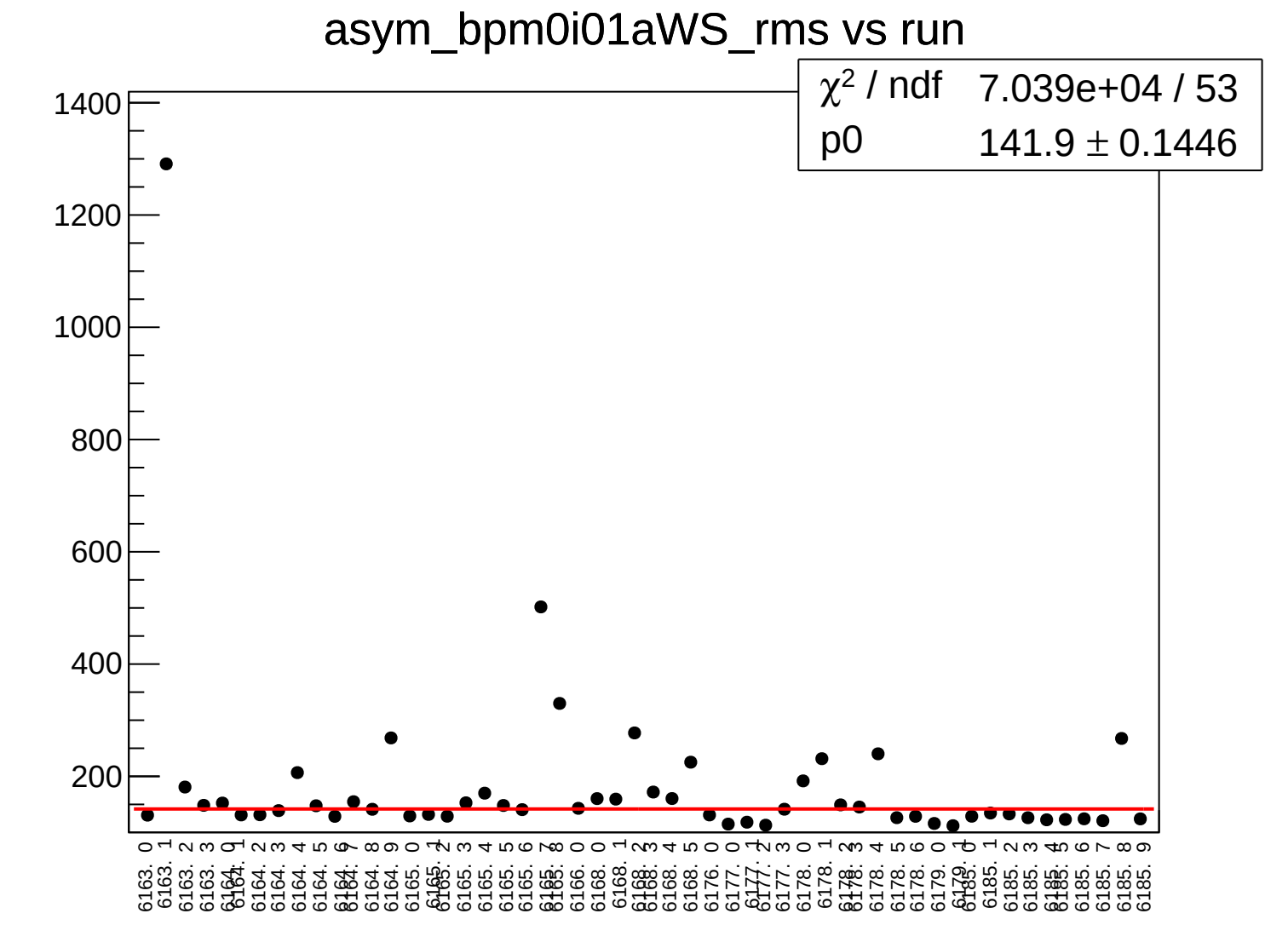

asym_bpm0i01WS_mean vs run
χ^2 / ndf 418.3 / 53
p0 −2146 ± 221.5
pull
Entries 54
Mean −125.2
Std Dev 0

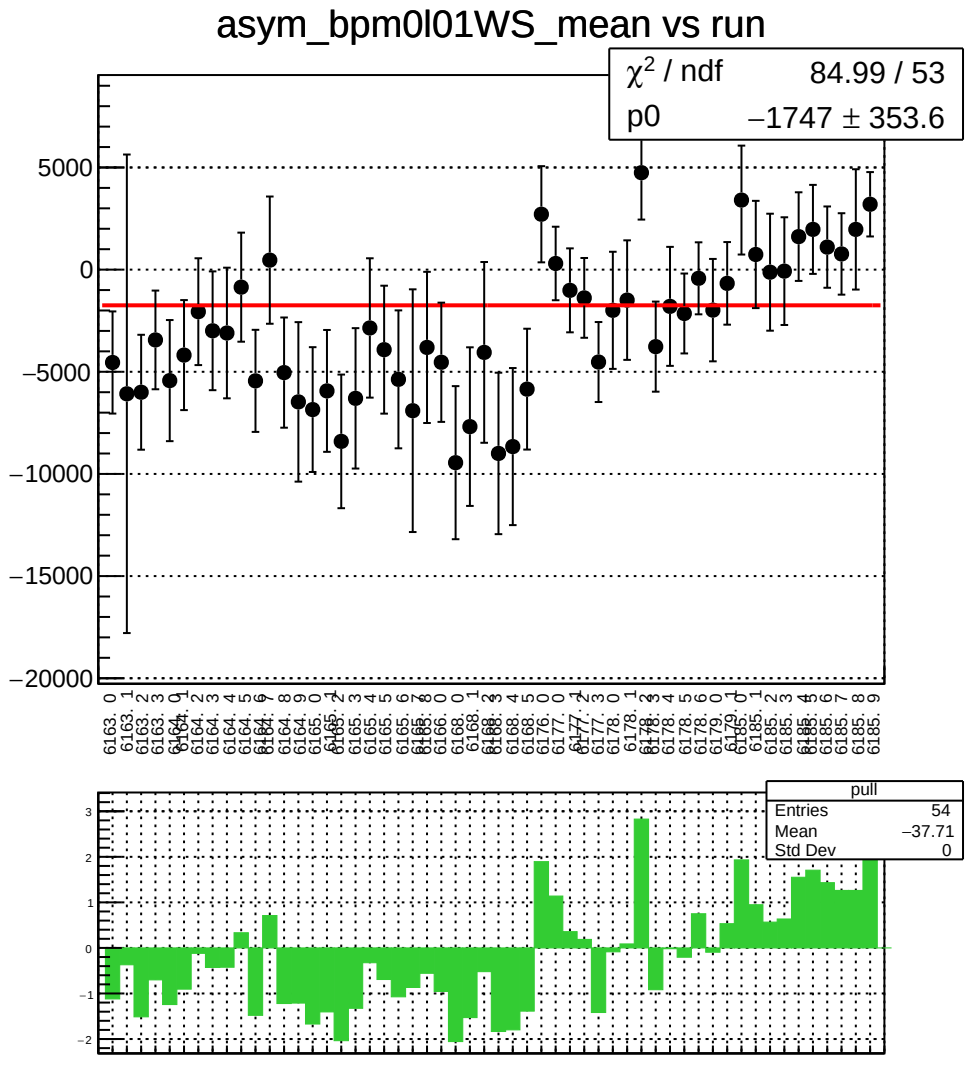

pull1D
Entries 54
Mean −0.1698
Std Dev 2.778

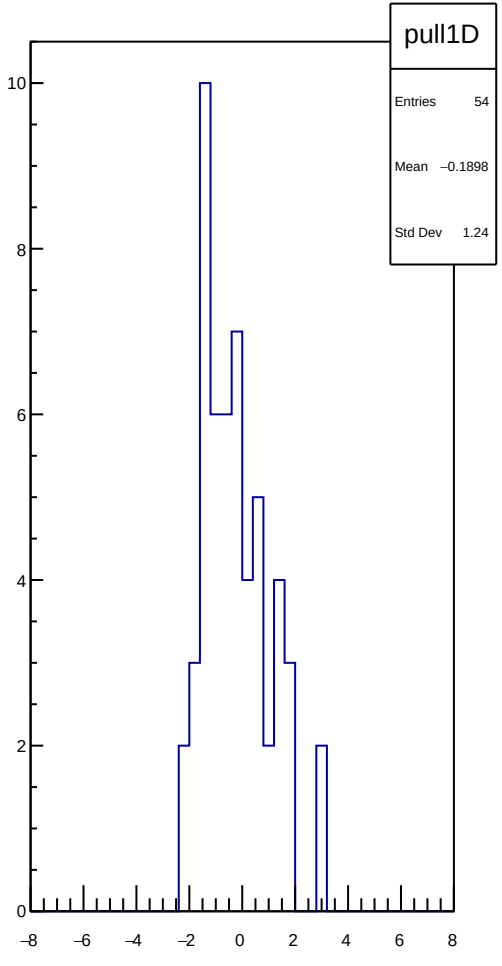

asym_bpm0i01WS_rms vs run
χ² / ndf 5.961e+04 / 53
p0 154.5 ± 0.1566
1400
1200
1000
800
600
400
200
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

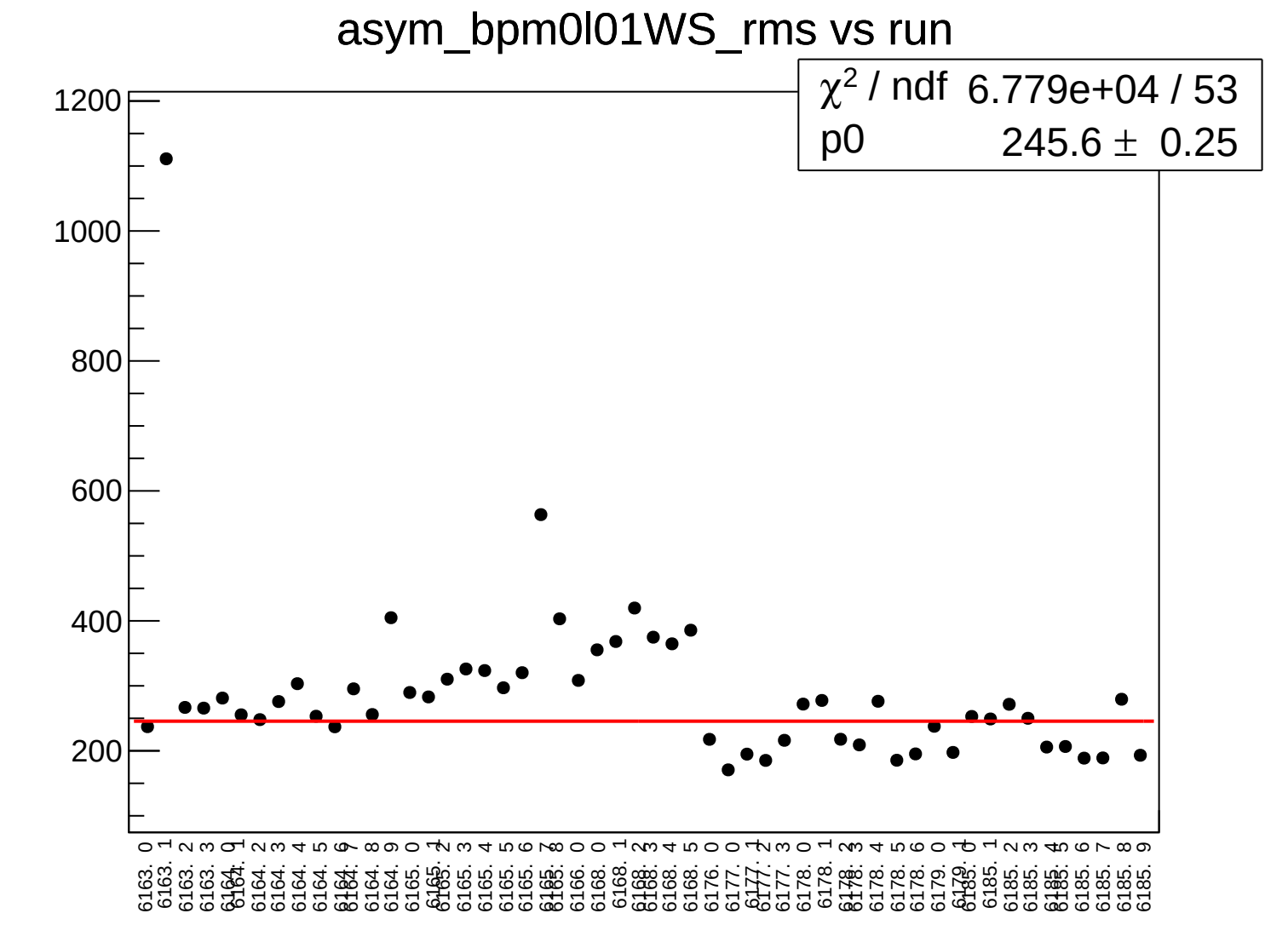

asym_bpm0i01aWS_mean vs run
χ² / ndf 625.5 / 53
p0 −1798 ± 204.5
10000
0
−10000
−20000
−30000
pull
Entries 54
Mean −94.33
Std Dev 0
8
6
4
2
0
−2
−4
−6
−8

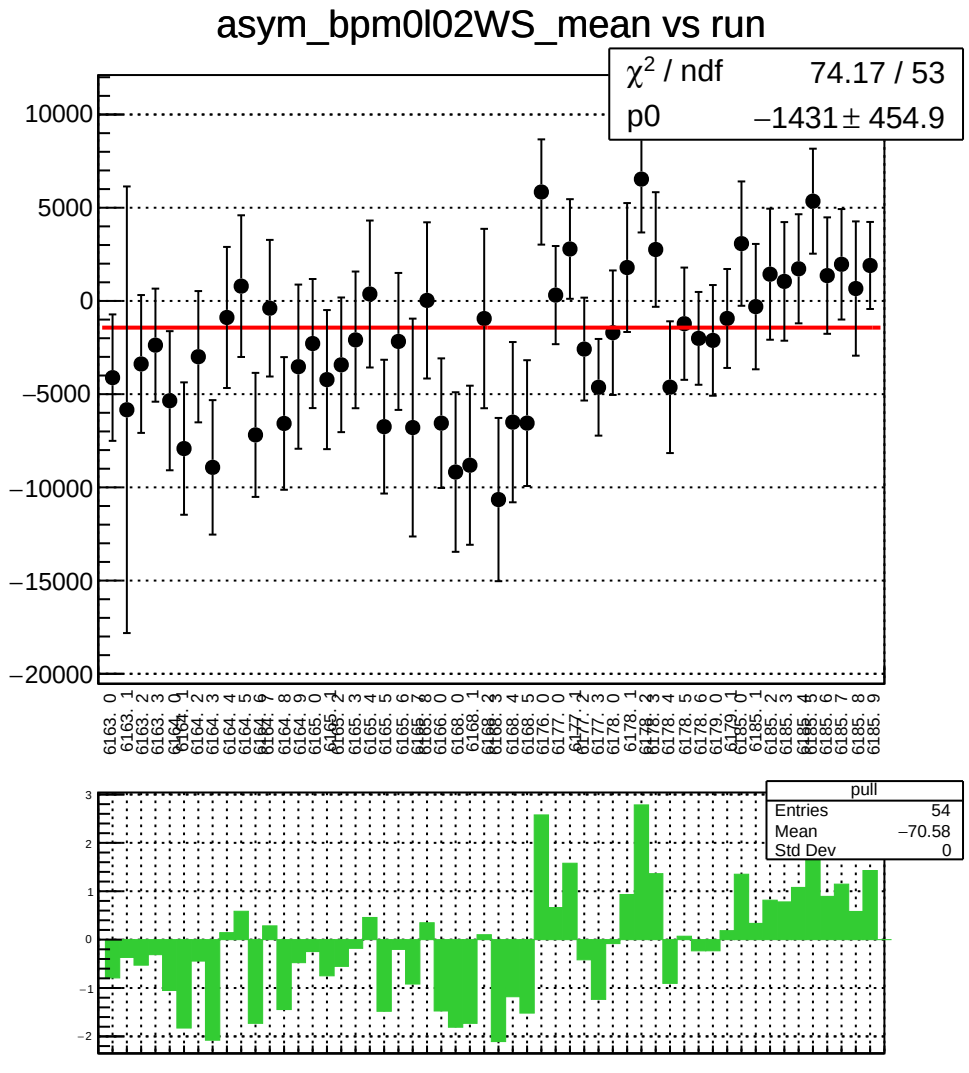

pull1D
Entries 54
Mean −0.4608
Std Dev 2.813
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

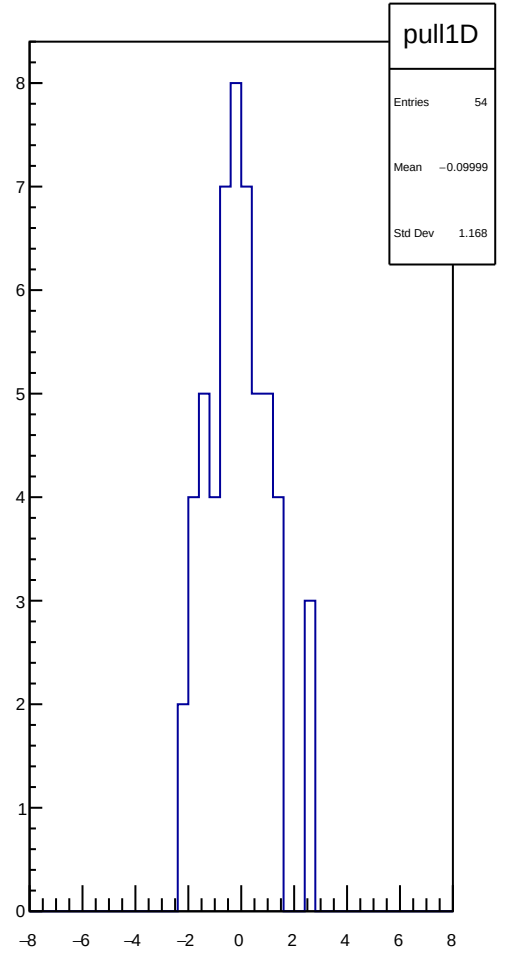

asym_bpm0i01aWS_rms vs run
χ² / ndf 7.039e+04 / 53
p0 141.9 ± 0.1446
1400
1200
1000
800
600
400
200
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

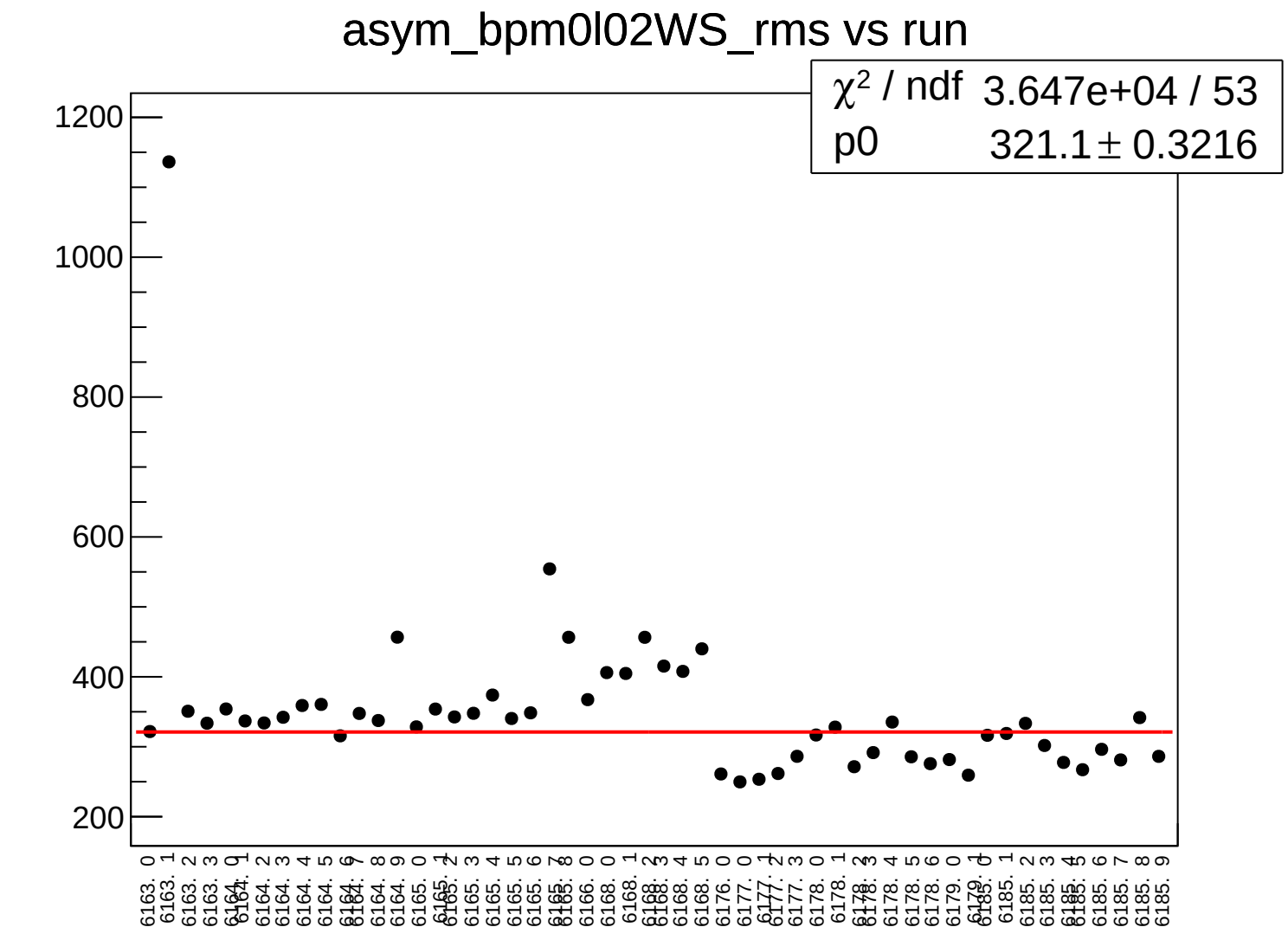

asym_bpm0l01WS_mean vs run
χ² / ndf 84.99 / 53
p0 −1747 ± 353.6
5000
0
−5000
−10000
−15000
−20000
pull
Entries 54
Mean −37.71
Std Dev 0
3
2
1
0
−1
−2

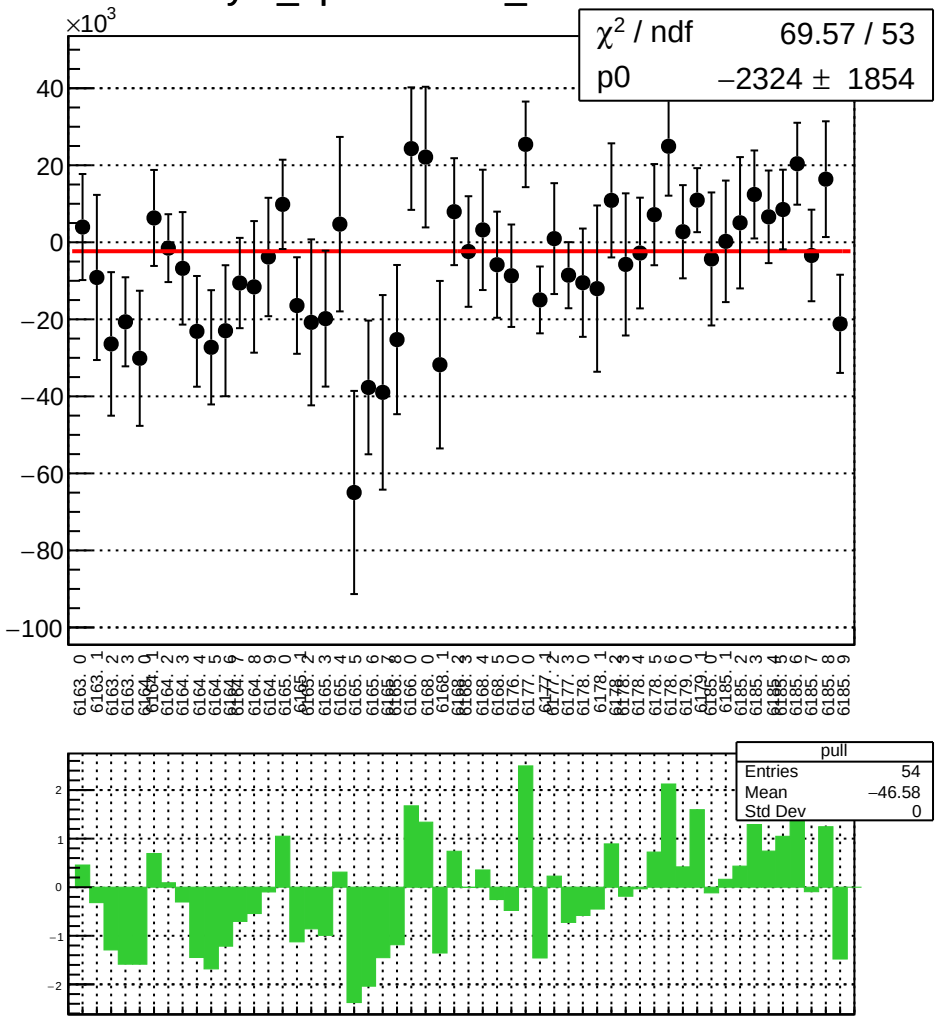

pull1D
Entries 54
Mean −0.1898
Std Dev 1.24
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

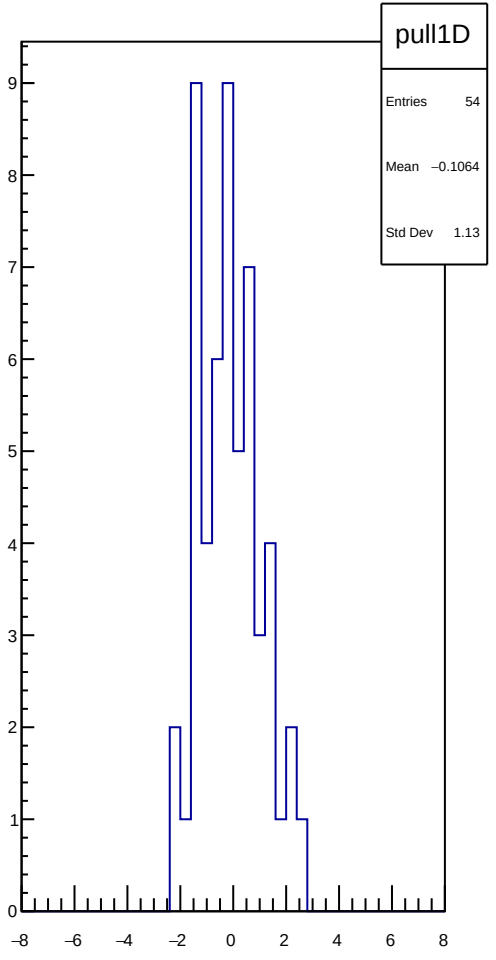

asym_bpm0l01WS_rms vs run
χ² / ndf 6.779e+04 / 53
p0 245.6 ± 0.25
1200
1000
800
600
400
200
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

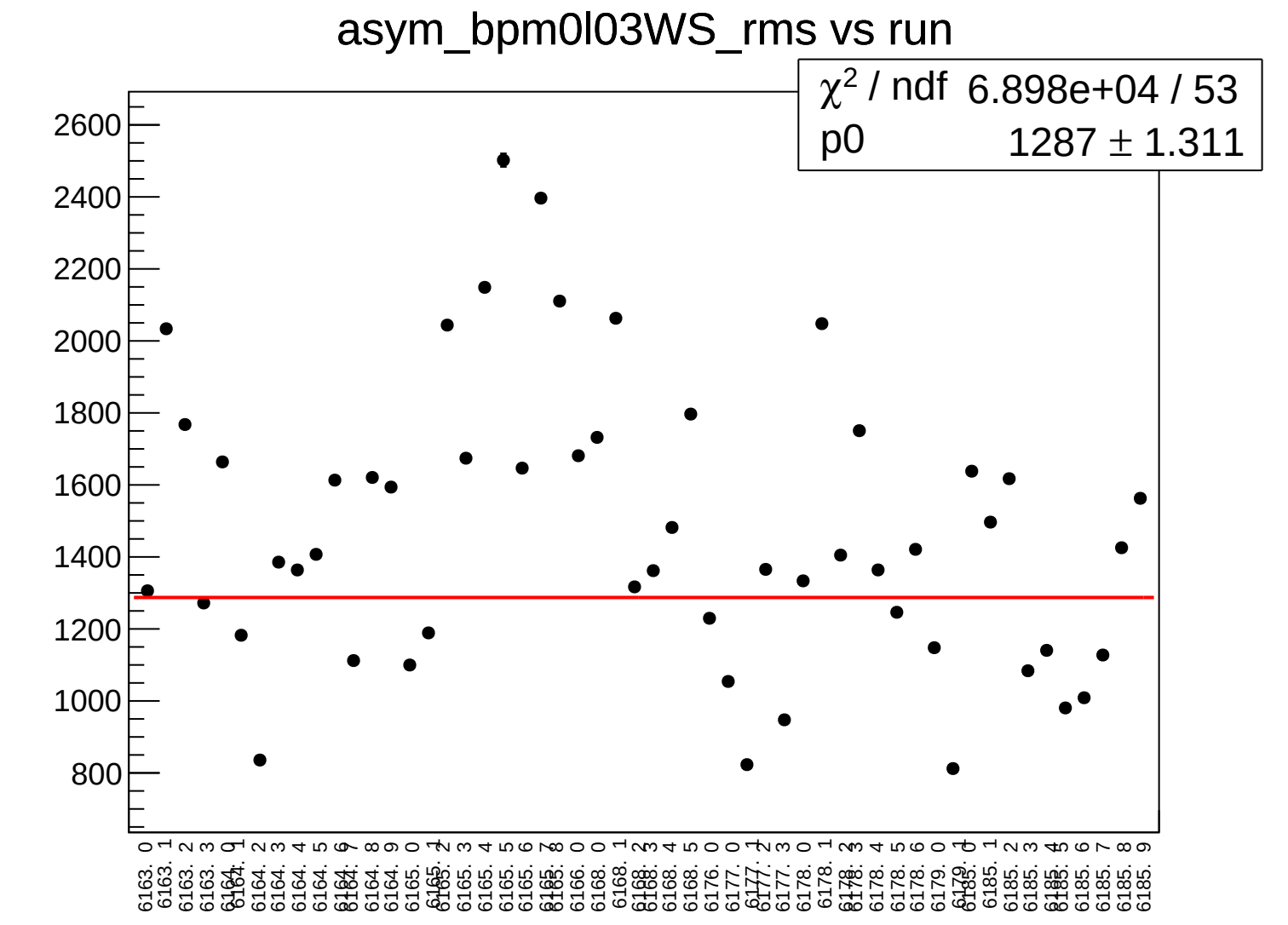

asym_bpm0l02WS_mean vs run
χ^2 / ndf 74.17 / 53
p0 −1431 ± 454.9
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 54
Mean −70.58
Std Dev 0
3
2
1
0
−1
−2

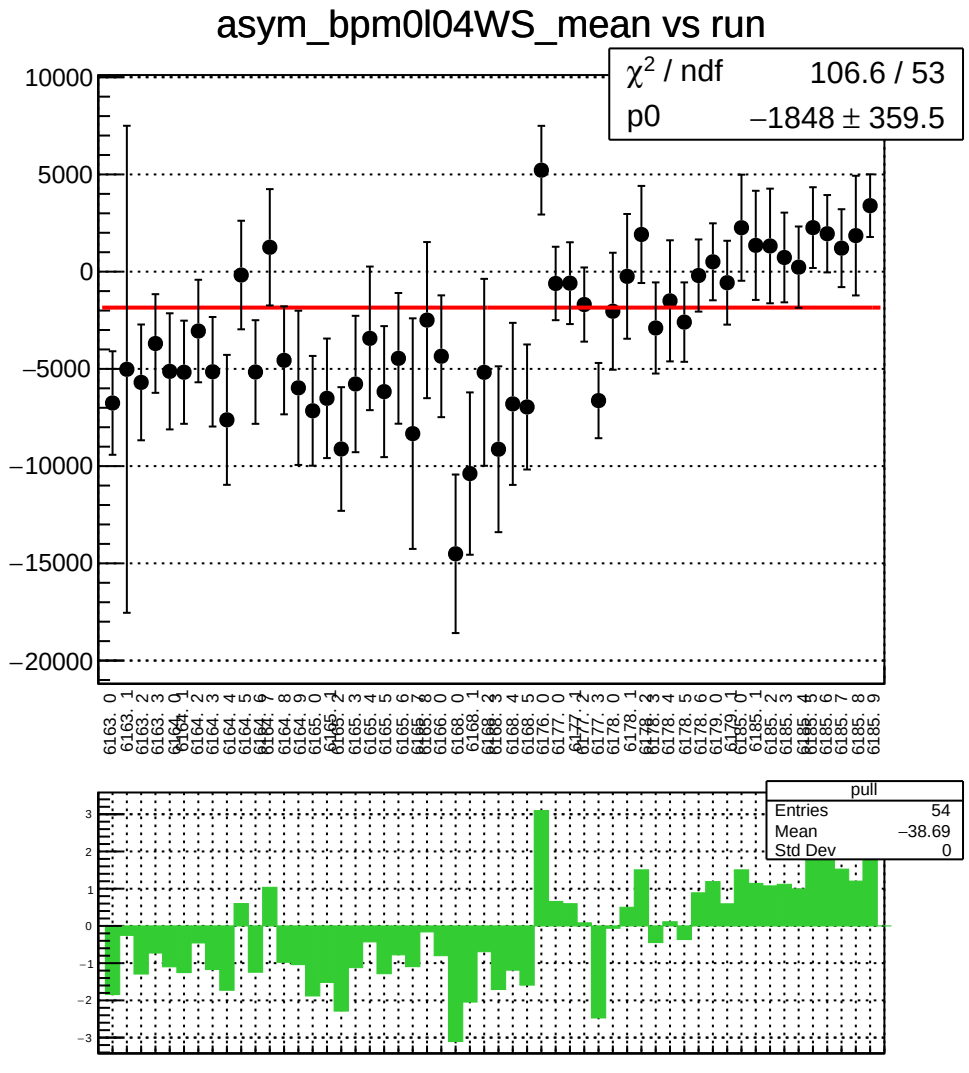

pull1D
Entries 54
Mean −0.09999
Std Dev 1.168
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

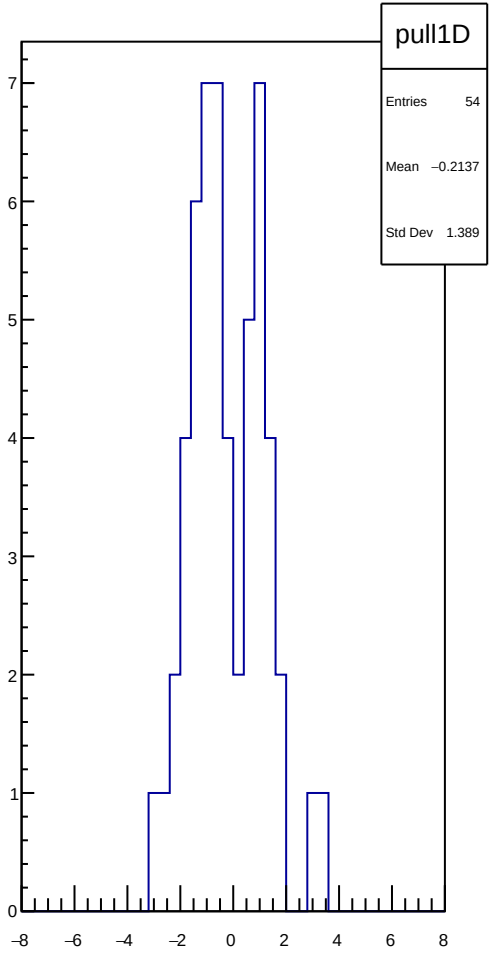

asym_bpm0l02WS_rms vs run
χ² / ndf 3.647e+04 / 53
p0 321.1 ± 0.3216
1200
1000
800
600
400
200
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

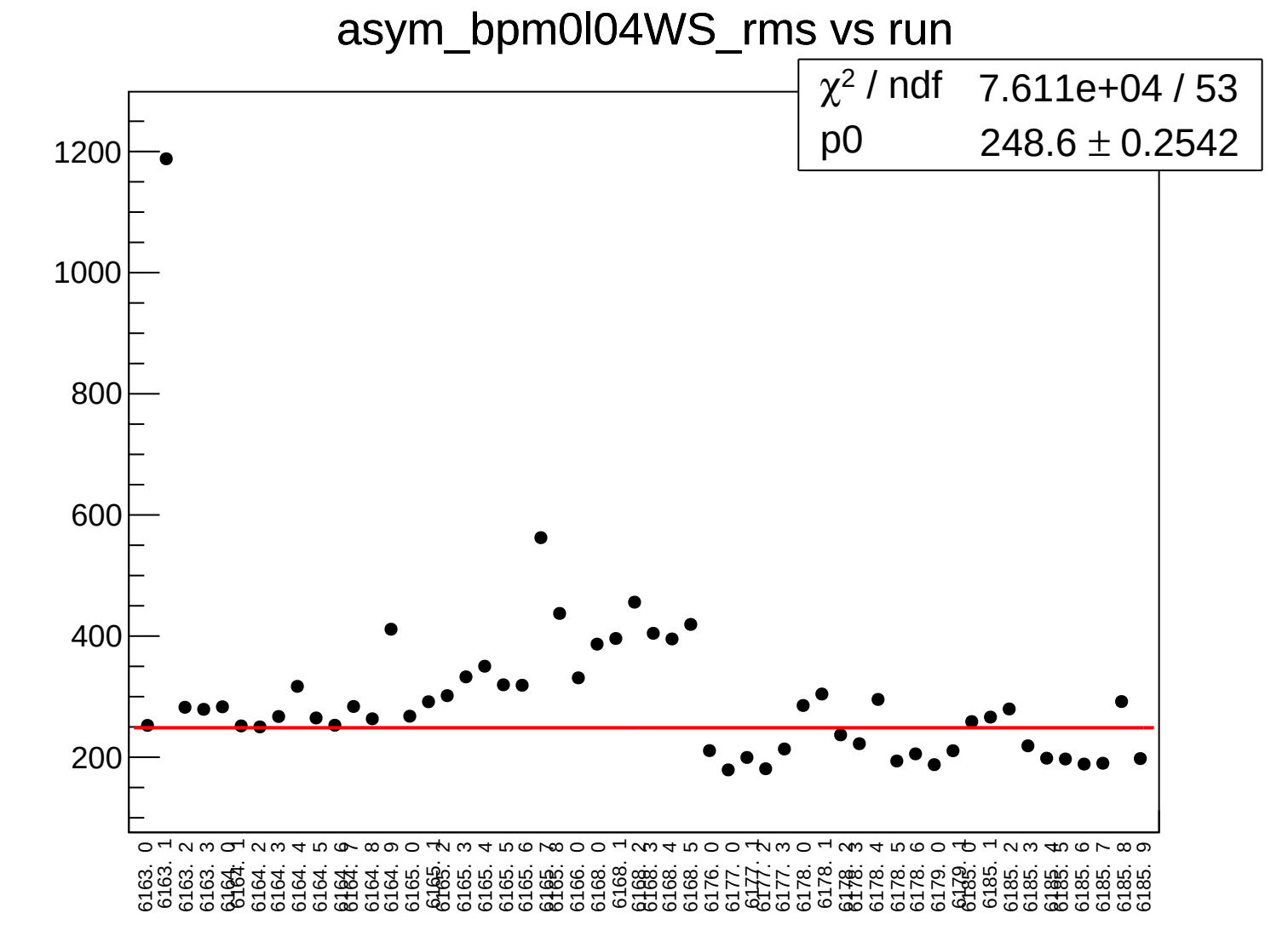

asym_bpm0l03WS_mean vs run
×10^3
χ² / ndf 69.57 / 53
p0 −2324 ± 1854
pull
Entries 54
Mean −46.58
Std Dev 0

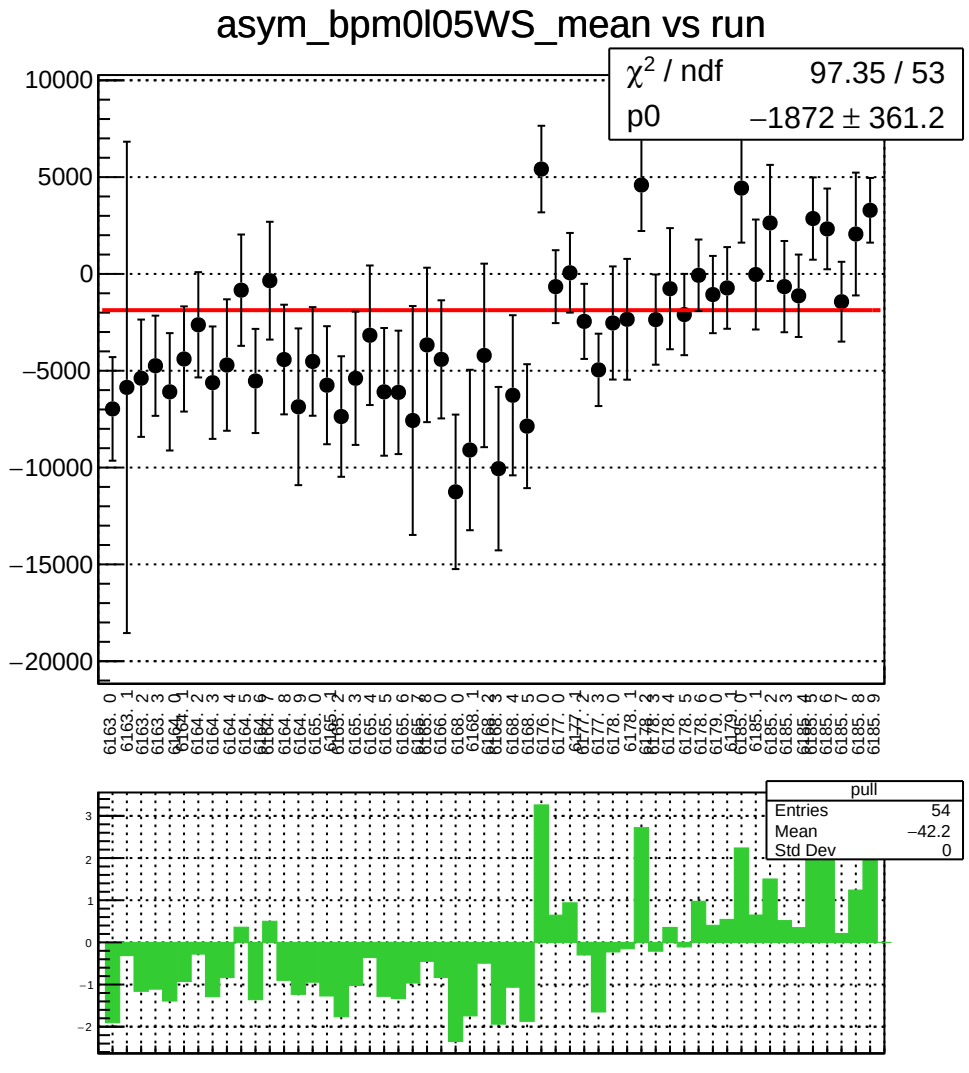

pull1D
Entries 54
Mean −0.1064
Std Dev 1.13

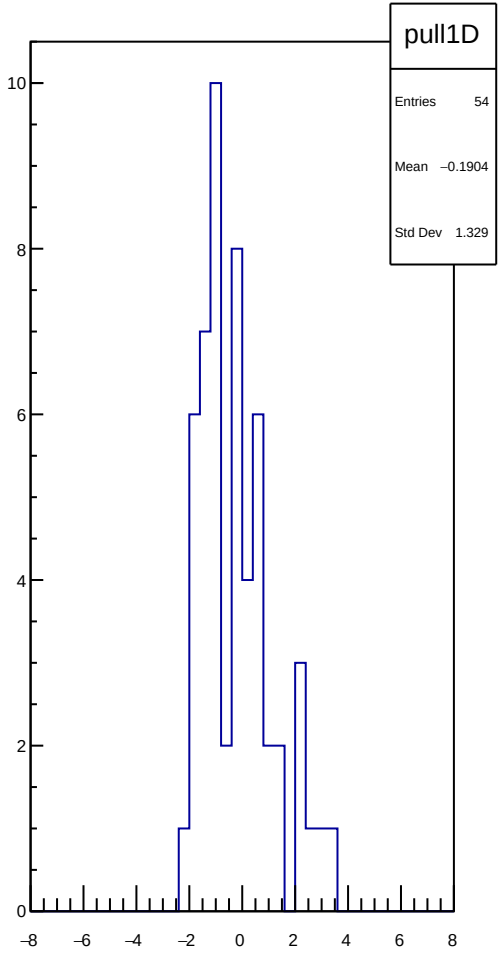

asym_bpm0l03WS_rms vs run
χ² / ndf 6.898e+04 / 53
p0 1287 ± 1.311
2600
2400
2200
2000
1800
1600
1400
1200
1000
800
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

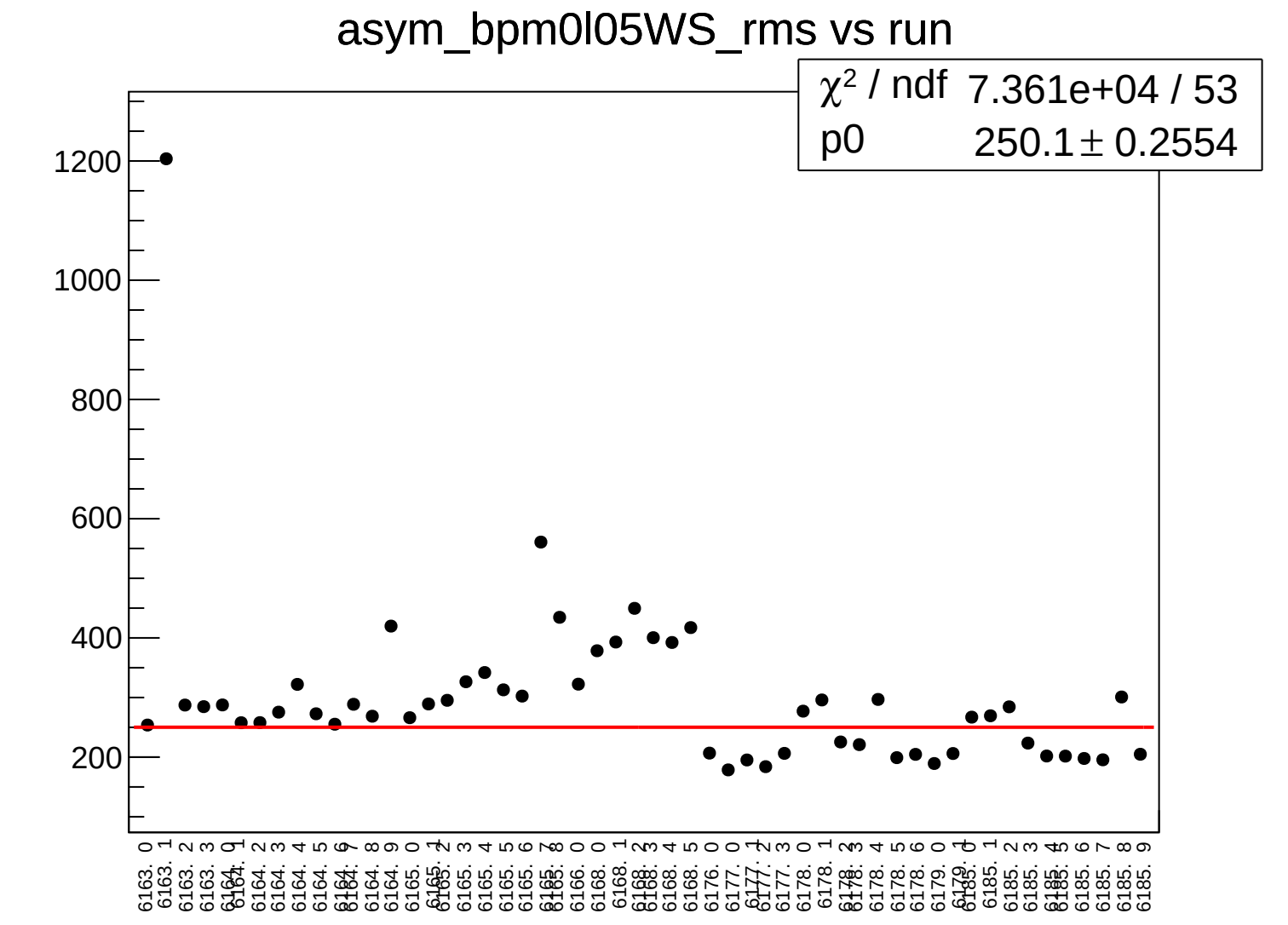

asym_bpm0l04WS_mean vs run
χ² / ndf 106.6 / 53
p0 −1848 ± 359.5
pull
Entries 54
Mean −38.69
Std Dev 0

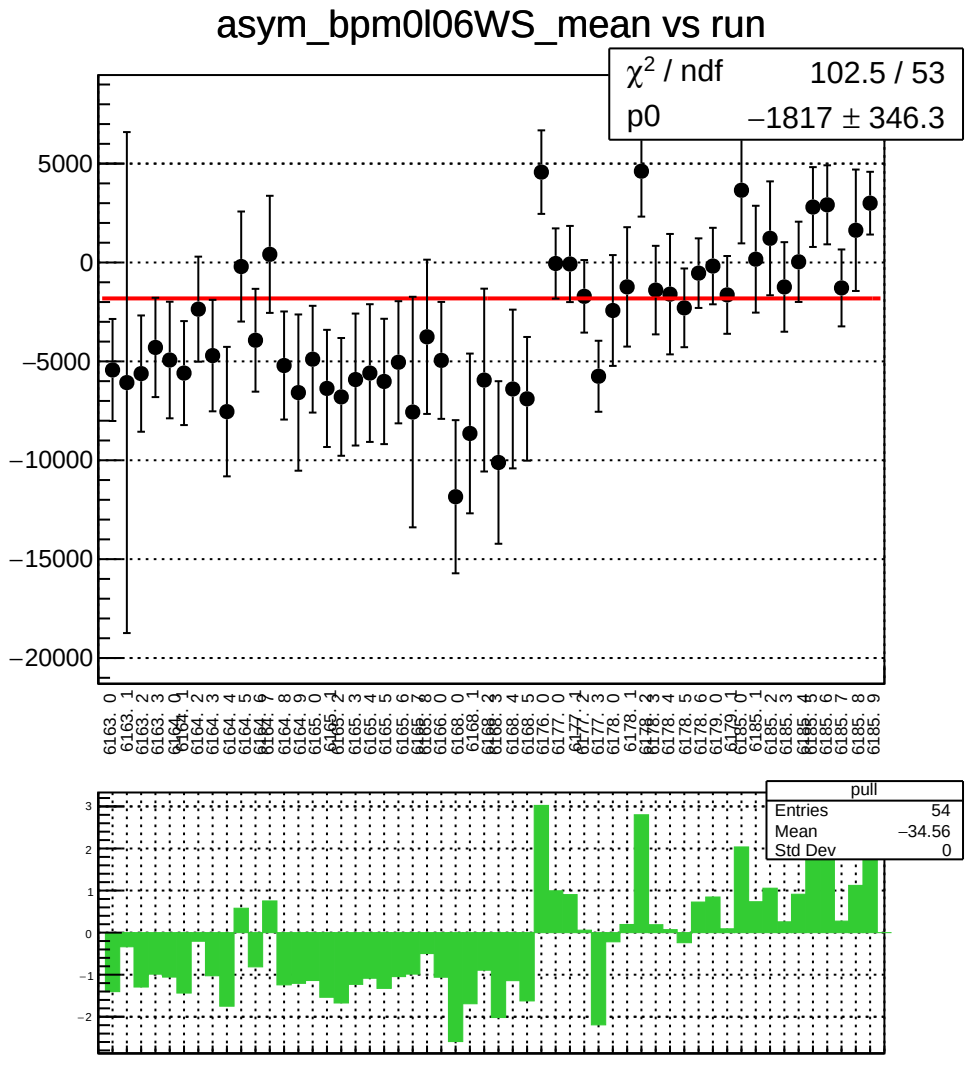

pull1D
Entries 54
Mean −0.2137
Std Dev 1.389

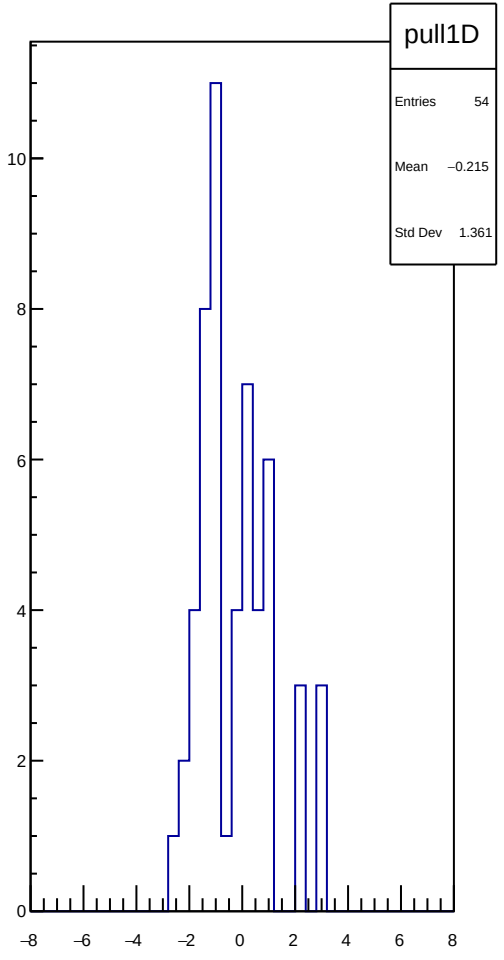

asym_bpm0l04WS_rms vs run
χ² / ndf 7.611e+04 / 53
p0 248.6 ± 0.2542
1200
1000
800
600
400
200
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

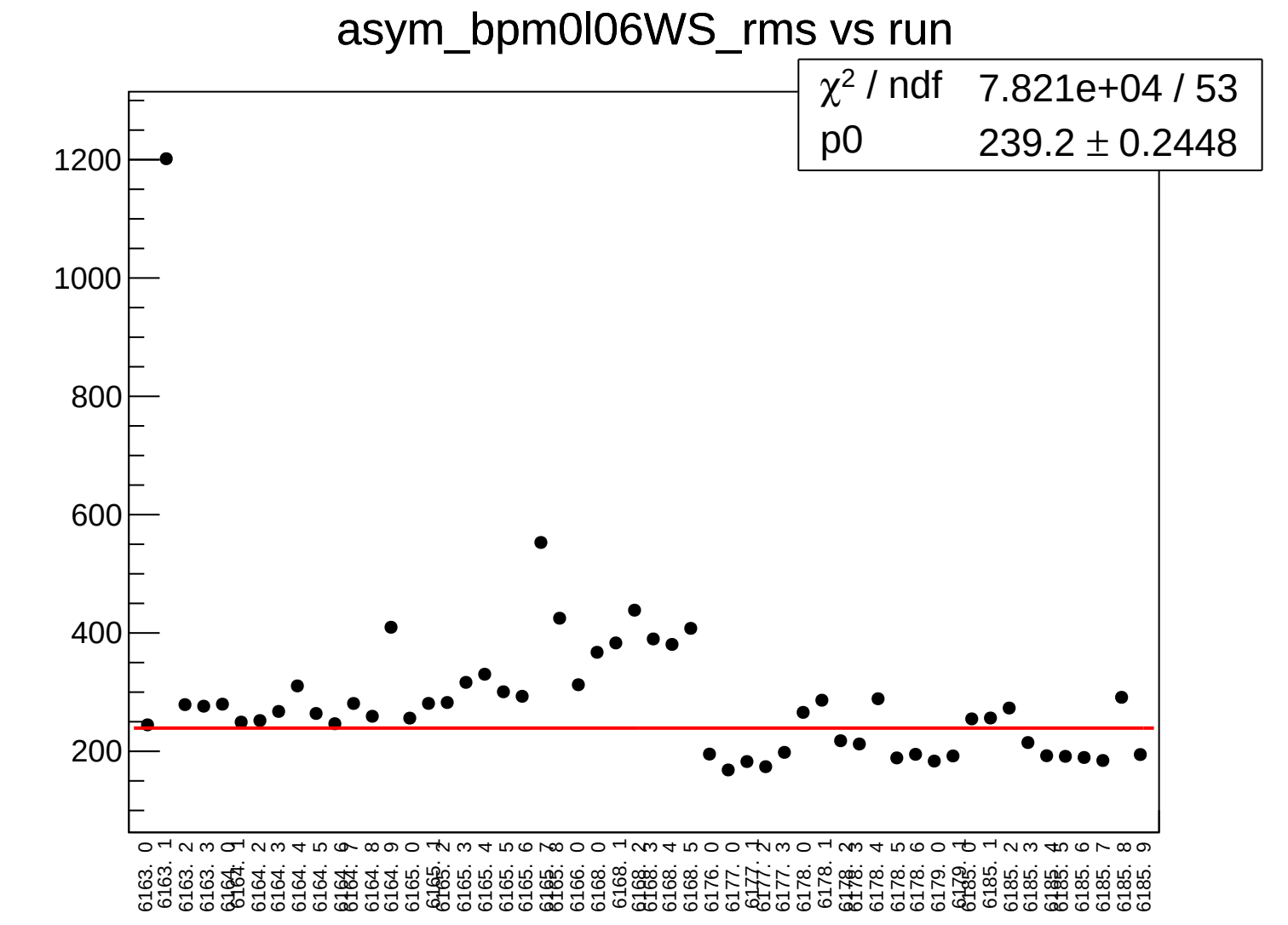

asym_bpm0l05WS_mean vs run
χ² / ndf 97.35 / 53
p0 −1872 ± 361.2
pull
Entries 54
Mean −42.2
Std Dev 0

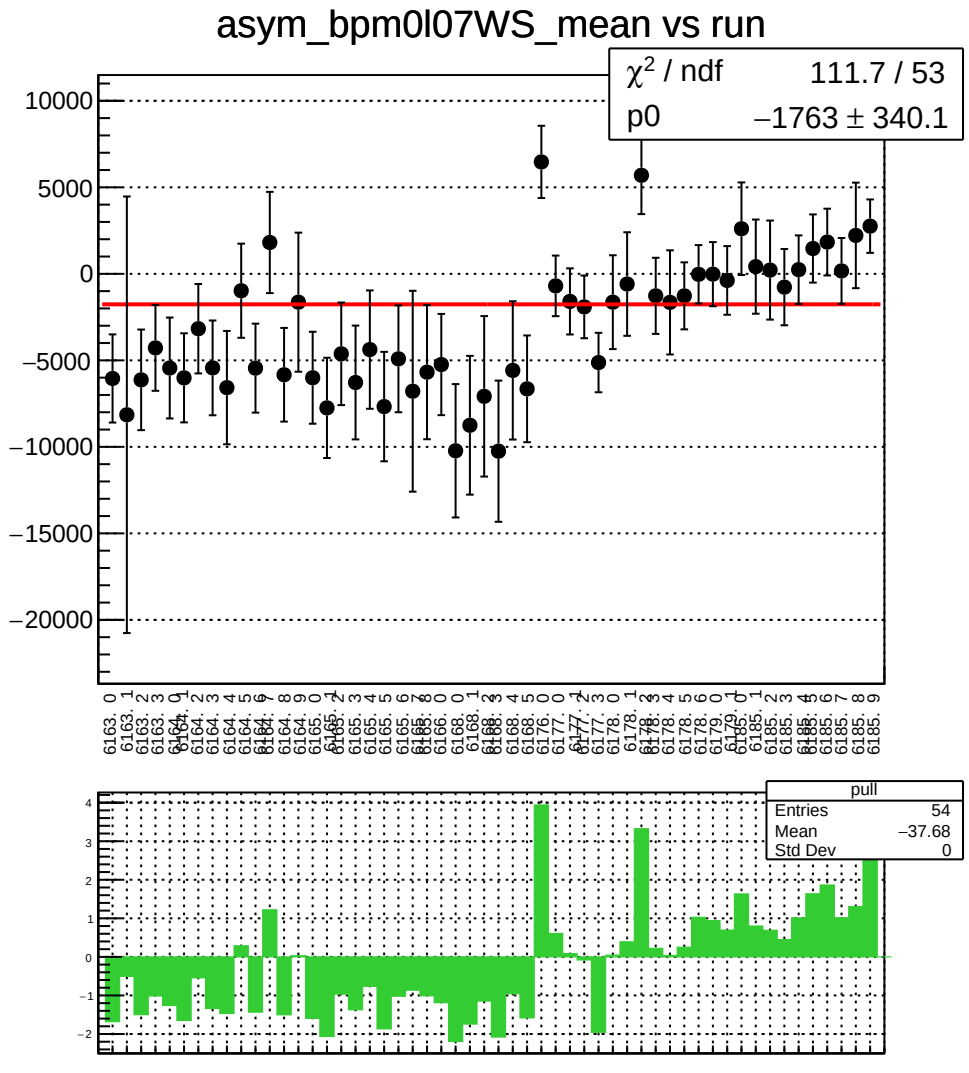

pull1D
Entries 54
Mean −0.1904
Std Dev 1.329

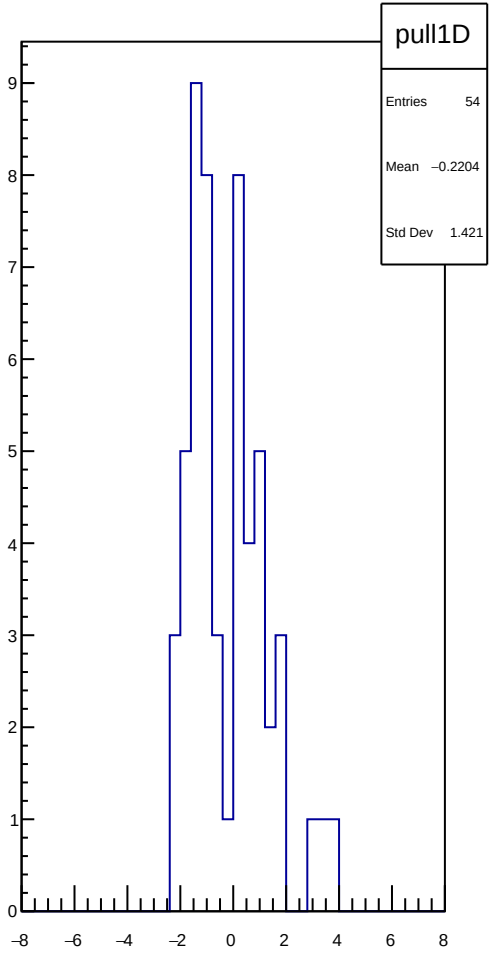

asym_bpm0l05WS_rms vs run
χ² / ndf 7.361e+04 / 53
p0 250.1 ± 0.2554
1200
1000
800
600
400
200
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

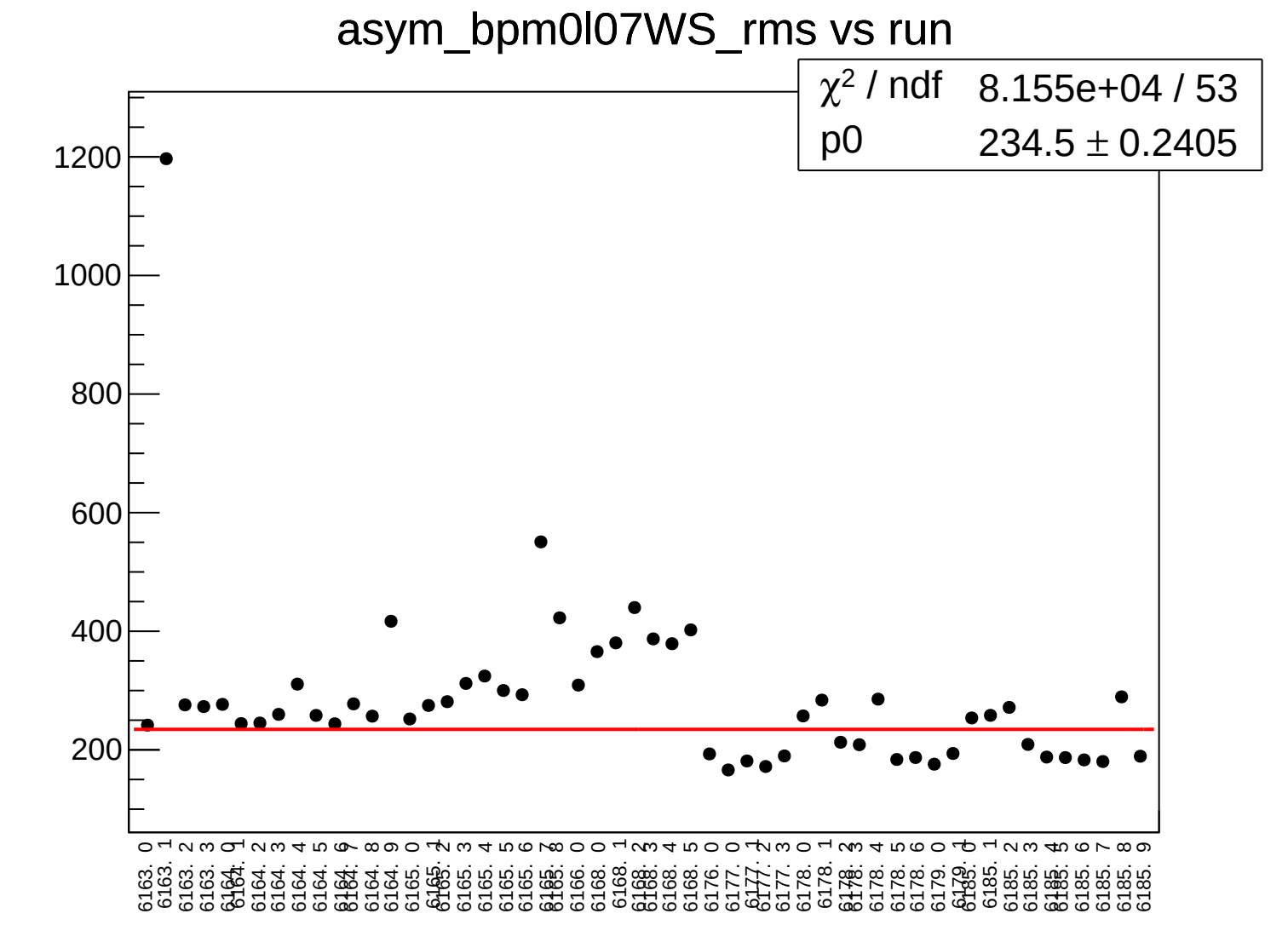

asym_bpm0l06WS_mean vs run
χ^2 / ndf 102.5 / 53
p0 −1817 ± 346.3
5000
0
−5000
−10000
−15000
−20000
pull
Entries 54
Mean −34.56
Std Dev 0
3
2
1
0
−1
−2

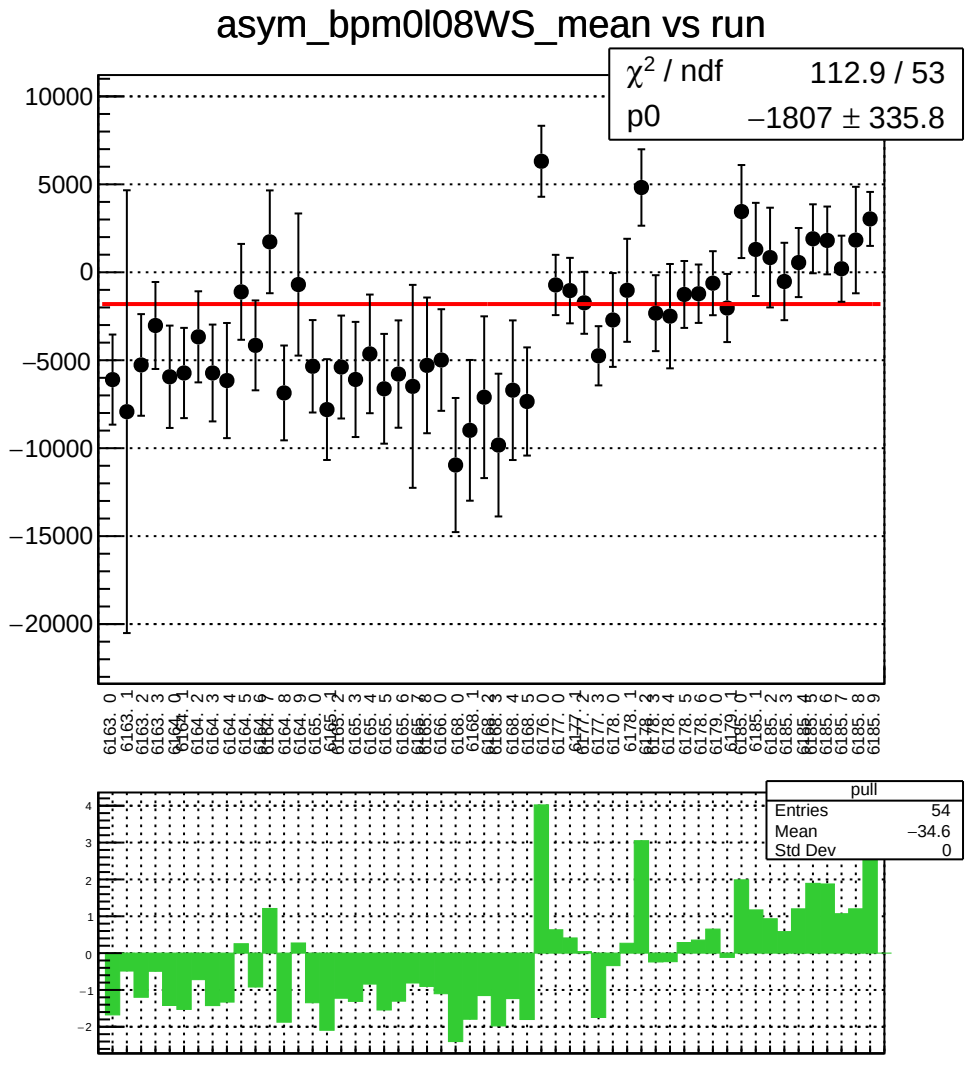

pull1D
Entries 54
Mean −0.215
Std Dev 1.361
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

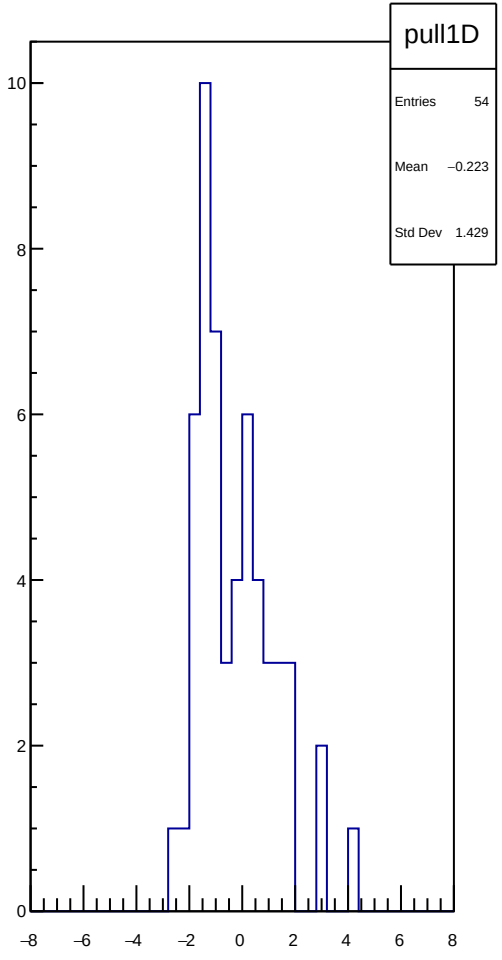

asym_bpm0l06WS_rms vs run
χ² / ndf 7.821e+04 / 53
p0 239.2 ± 0.2448
1200
1000
800
600
400
200
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

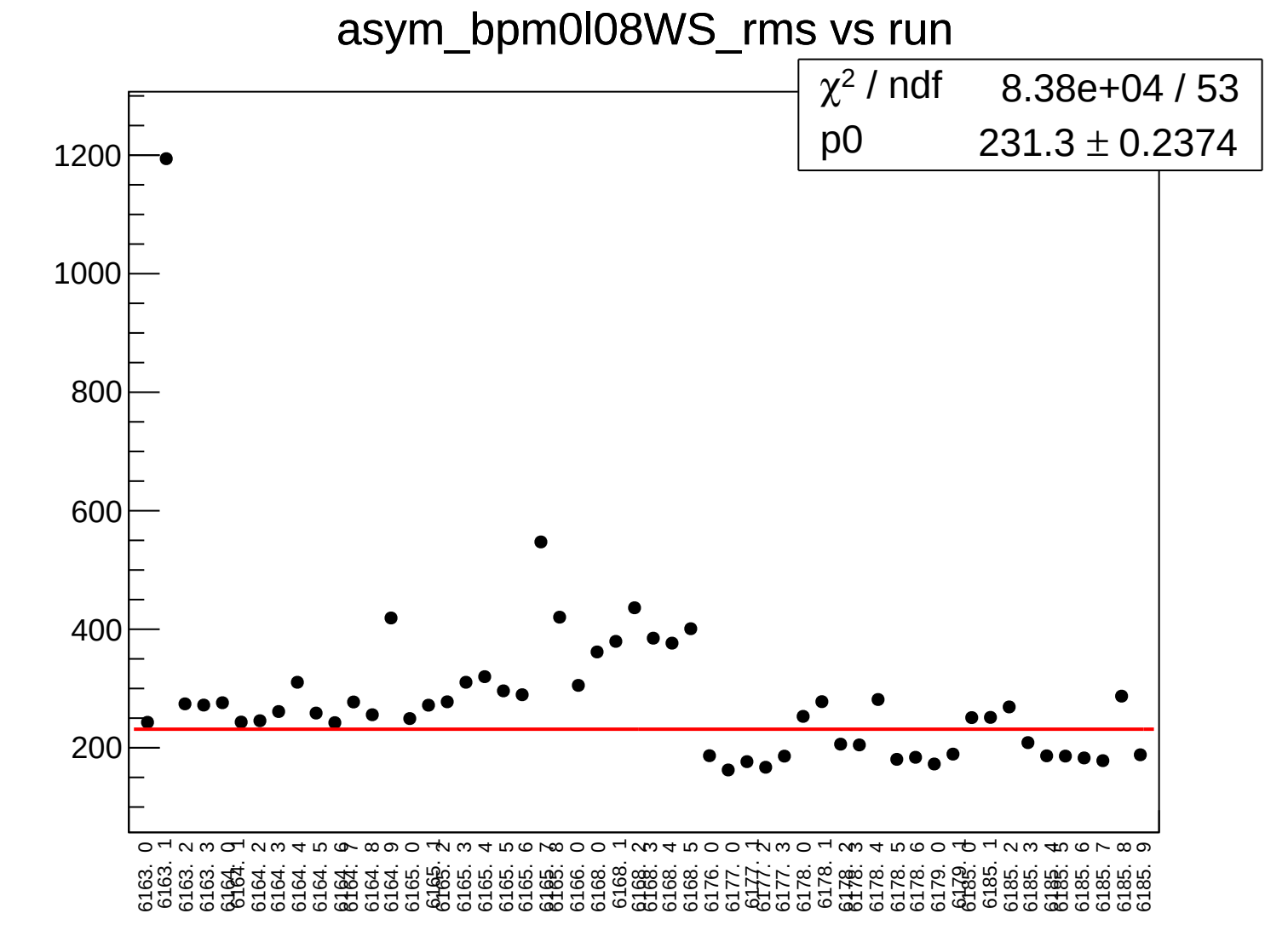

asym_bpm0l07WS_mean vs run
χ² / ndf 111.7 / 53
p0 −1763 ± 340.1
pull
Entries 54
Mean −37.68
Std Dev 0


pull1D
Entries 54
Mean −0.2204
Std Dev 1.421


asym_bpm0l07WS_rms vs run
χ² / ndf 8.155e+04 / 53
p0 234.5 ± 0.2405
1200
1000
800
600
400
200
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


asym_bpm0l08WS_mean vs run
χ² / ndf 112.9 / 53
p0 −1807 ± 335.8
pull
Entries 54
Mean −34.6
Std Dev 0


pull1D
Entries 54
Mean −0.223
Std Dev 1.429


asym_bpm0l08WS_rms vs run
χ² / ndf 8.38e+04 / 53
p0 231.3 ± 0.2374
1200
1000
800
600
400
200
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 2
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
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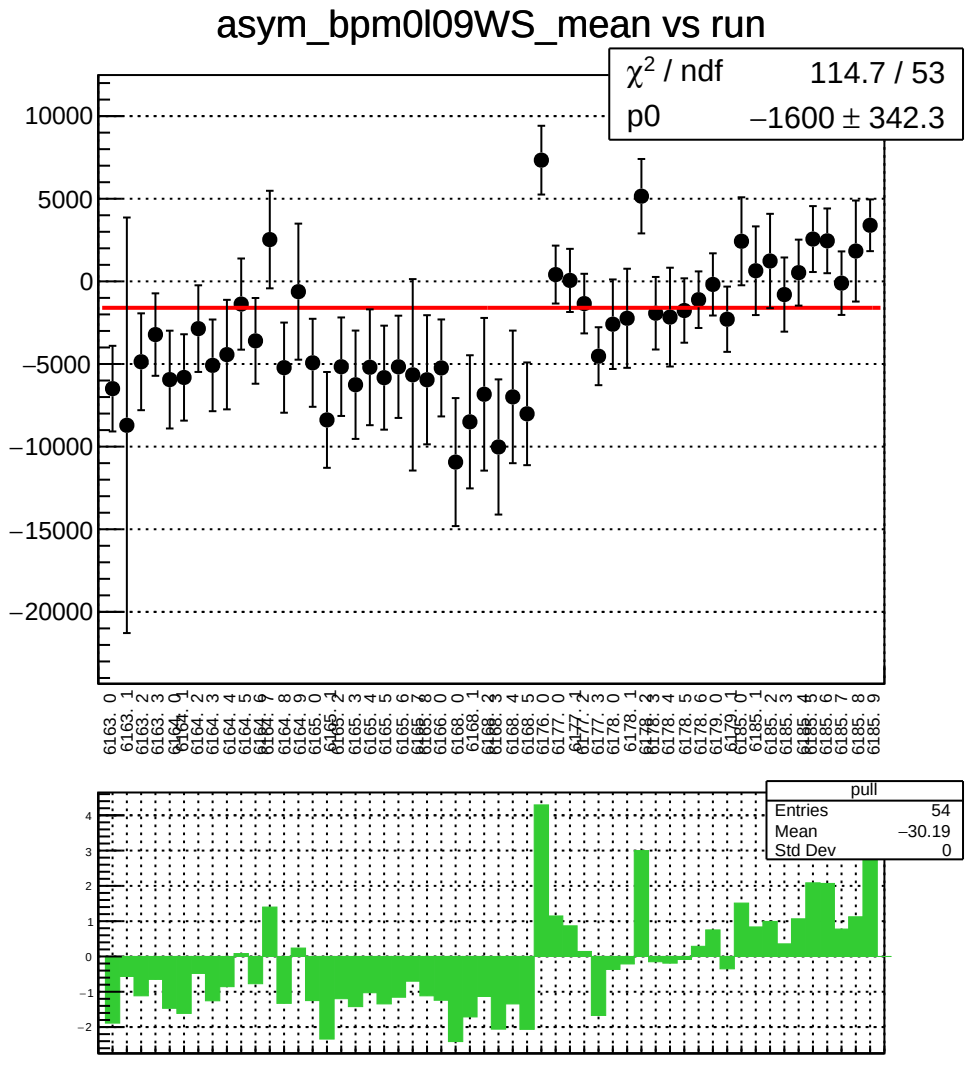
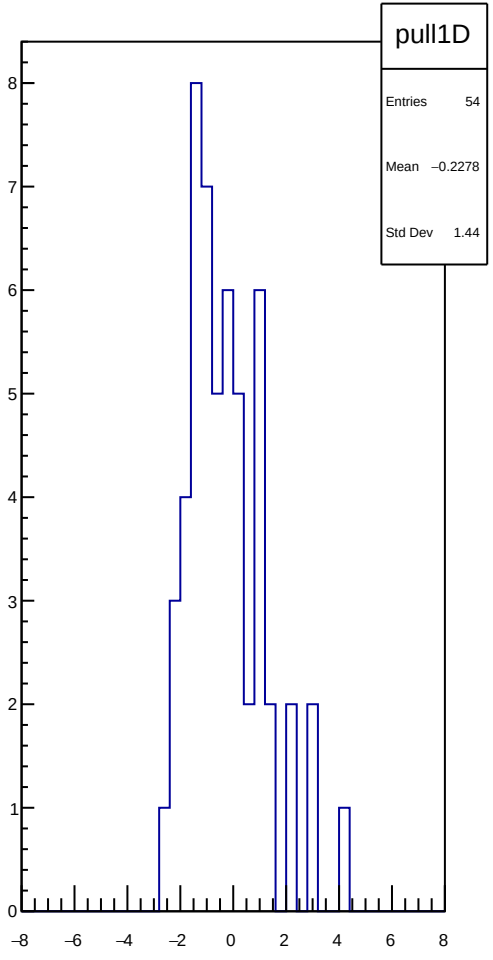
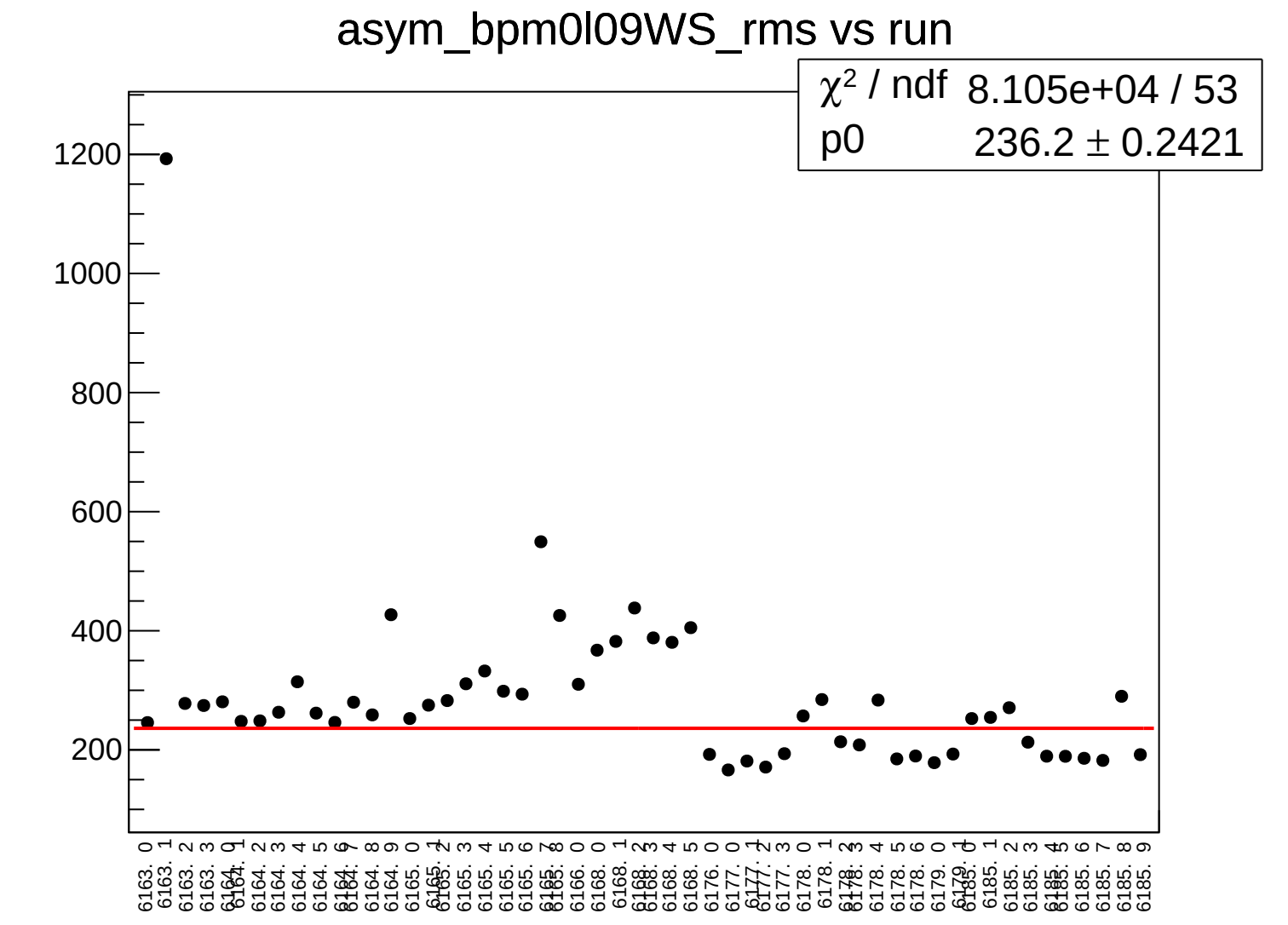
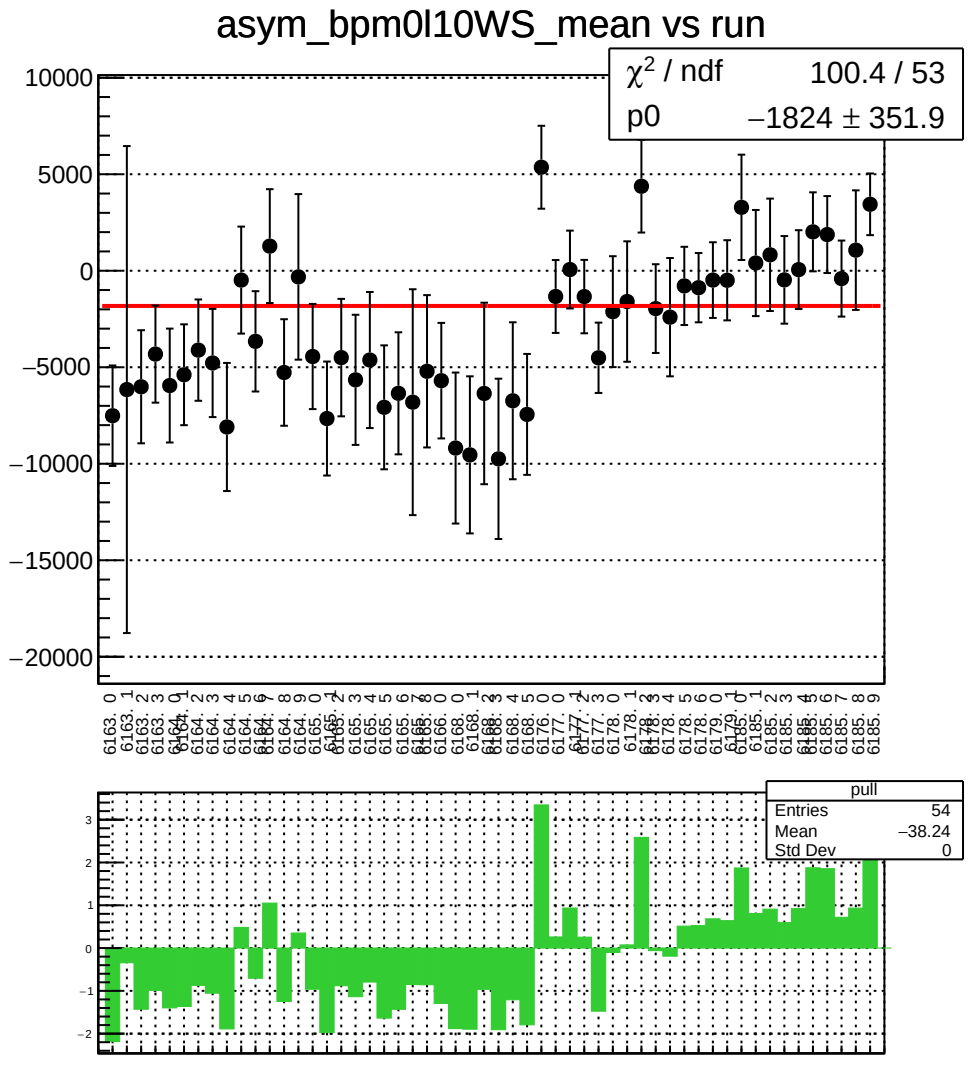
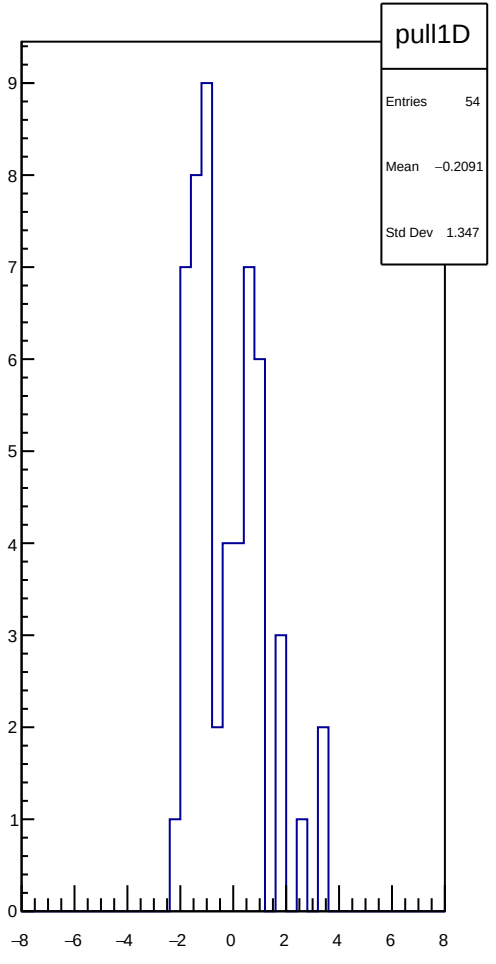
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

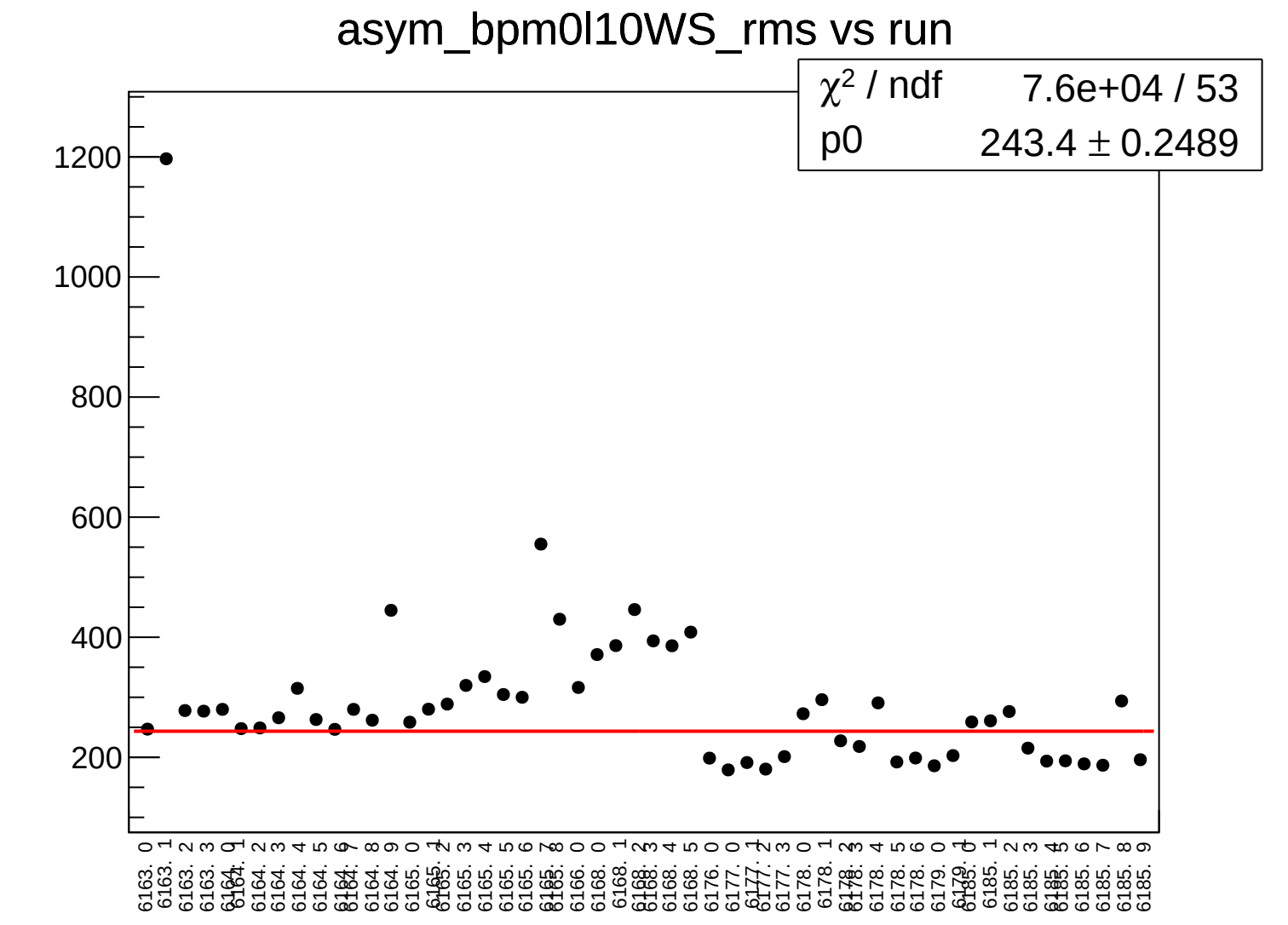

asym_bpm0l09WS_mean vs run
χ² / ndf 114.7 / 53
p0 −1600 ± 342.3
pull
Entries 54
Mean −30.19
Std Dev 0

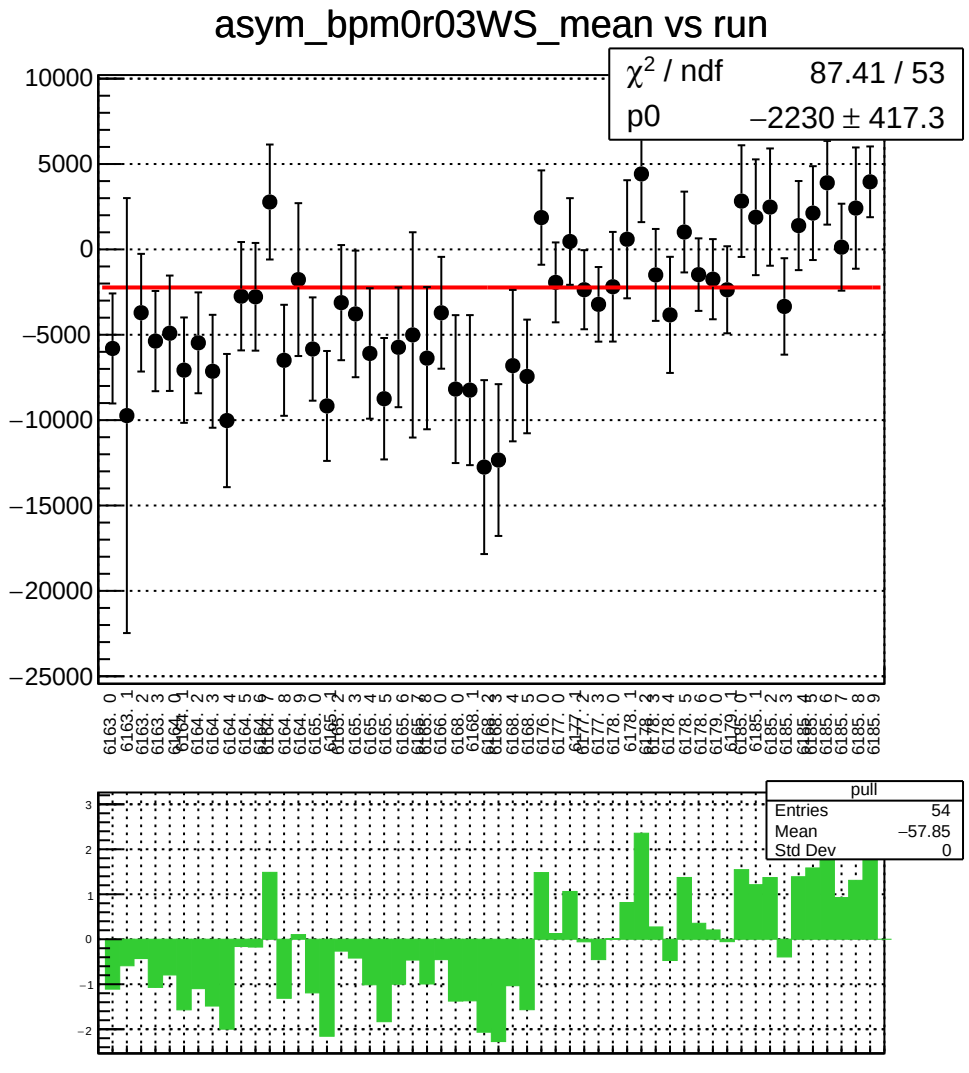

pull1D
Entries 54
Mean −0.2278
Std Dev 1.44

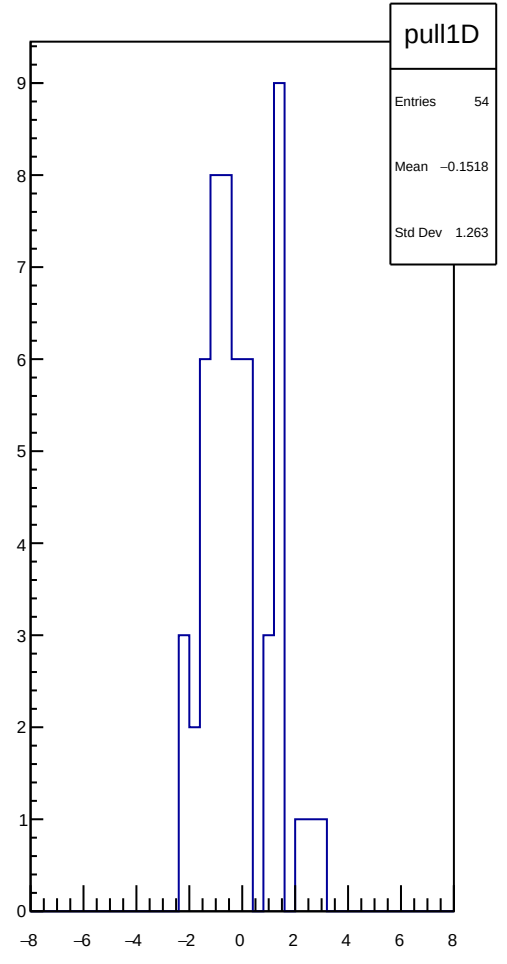

asym_bpm0l09WS_rms vs run
χ² / ndf 8.105e+04 / 53
p0 236.2 ± 0.2421
1200
1000
800
600
400
200
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

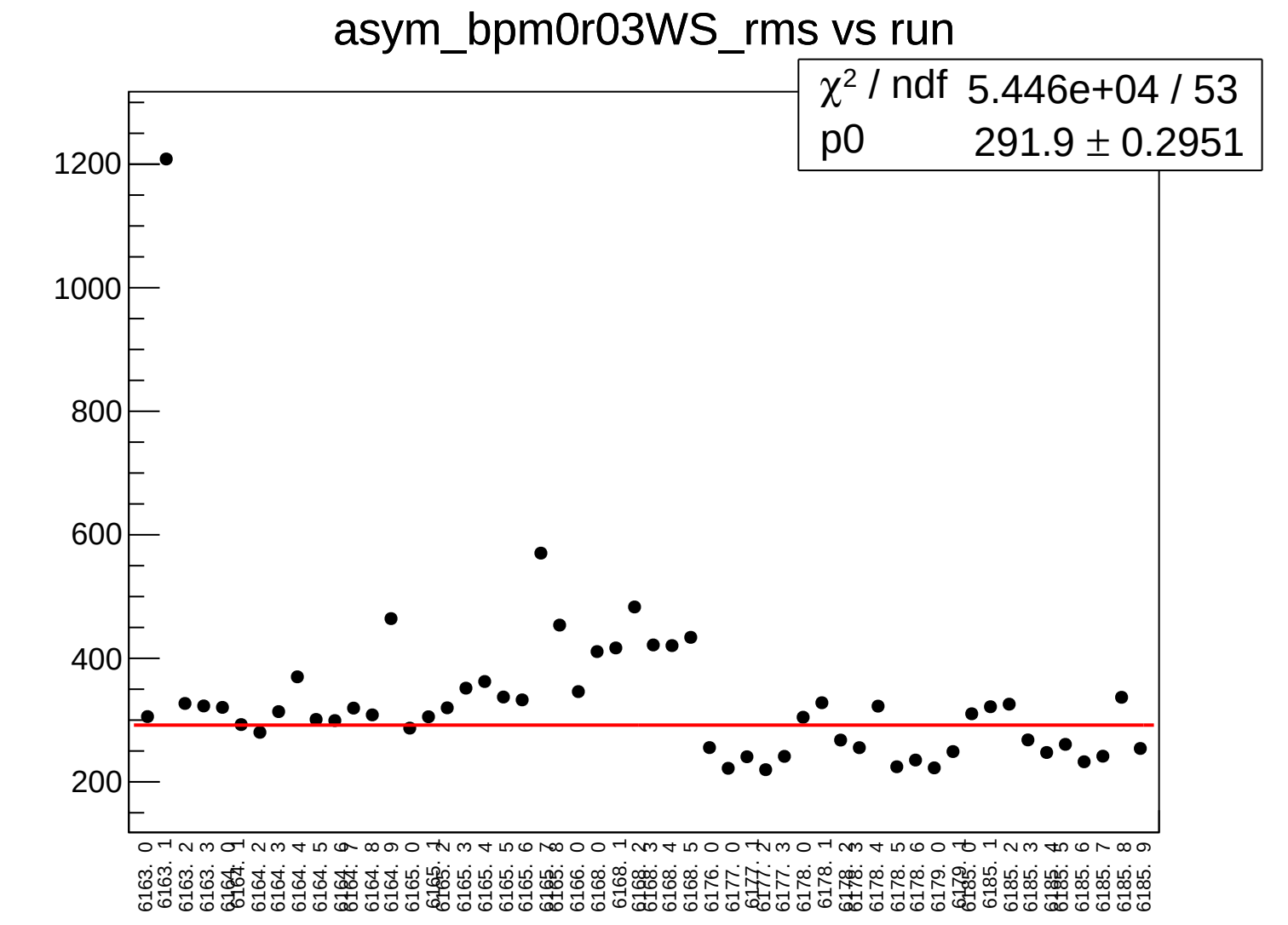

asym_bpm0l10WS_mean vs run
χ^2 / ndf 100.4 / 53
p0 −1824 ± 351.9
pull
Entries 54
Mean −38.24
Std Dev 0

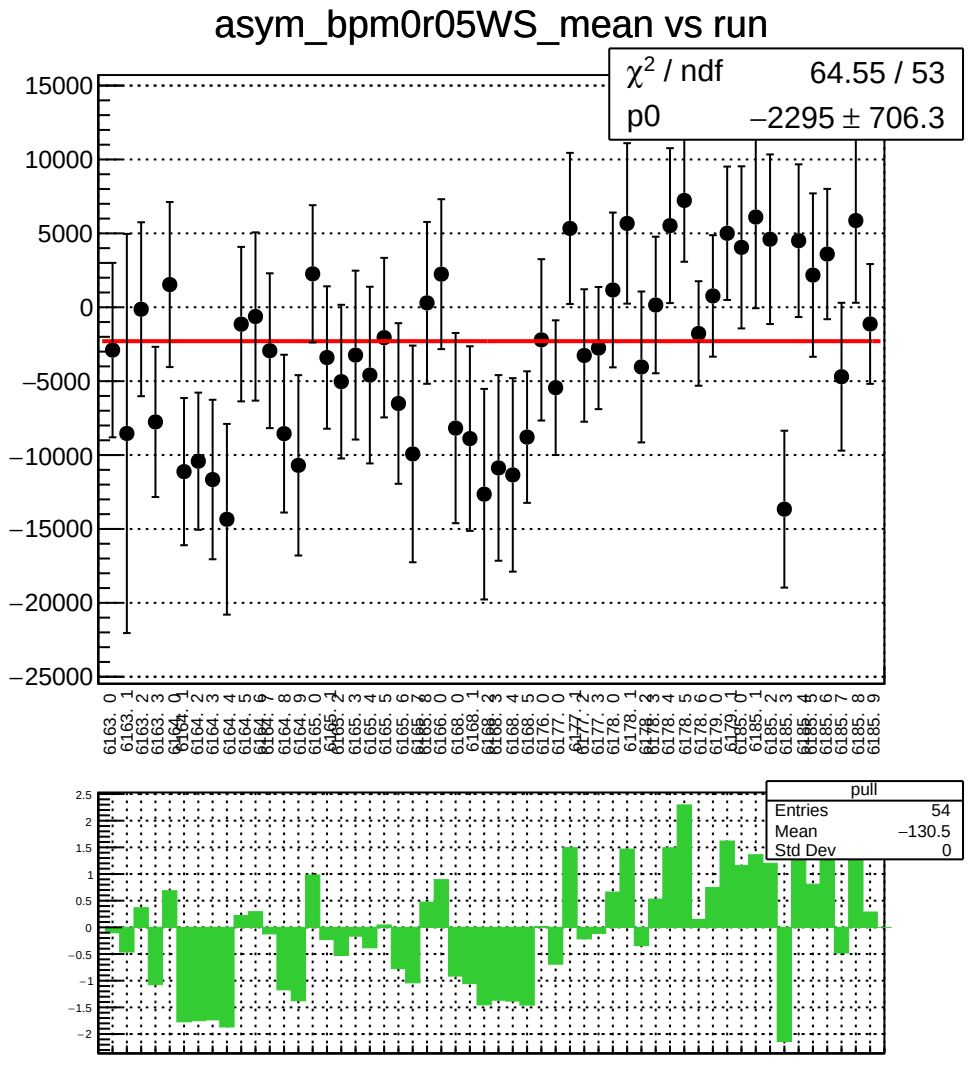

pull1D
Entries 54
Mean −0.2091
Std Dev 1.347

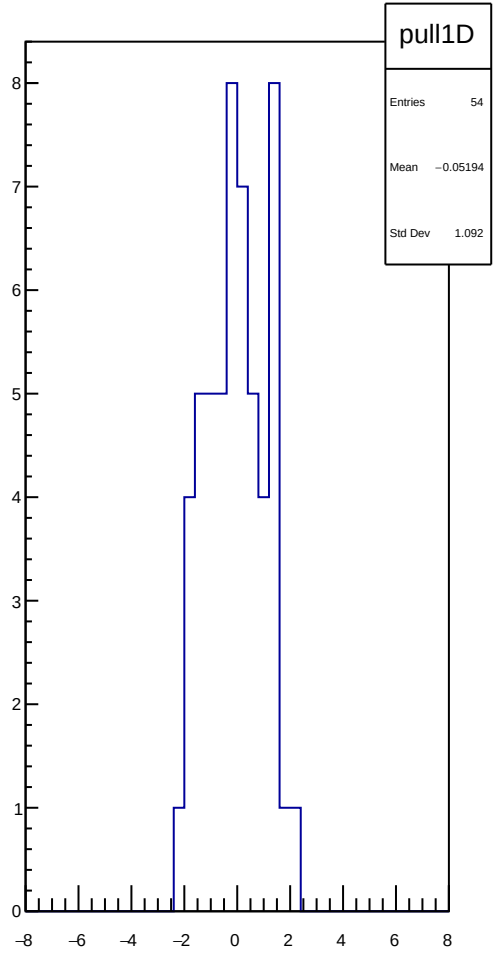

asym_bpm0l10WS_rms vs run
χ² / ndf 7.6e+04 / 53
p0 243.4 ± 0.2489
1200
1000
800
600
400
200
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

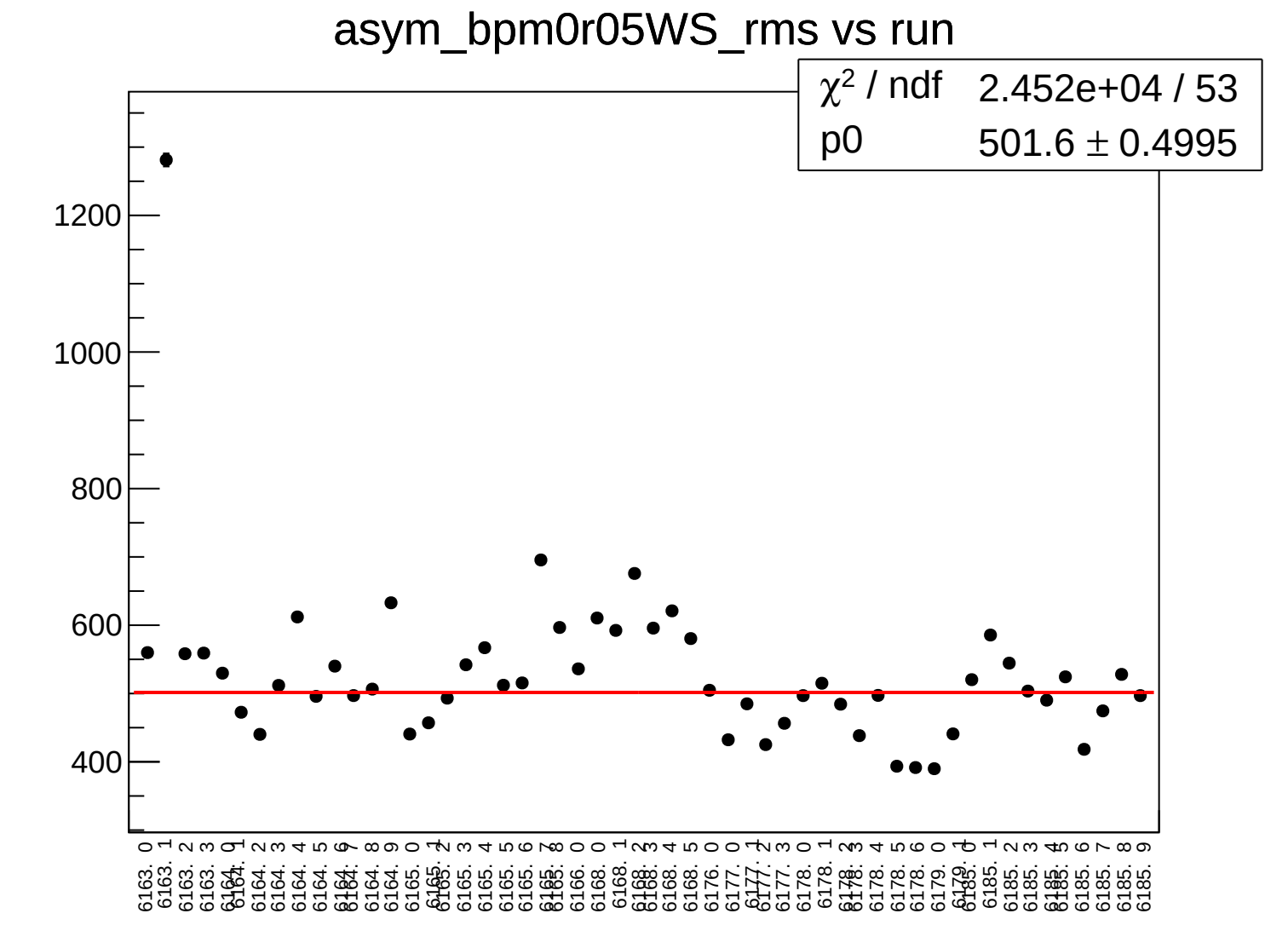

asym_bpm0r03WS_mean vs run
χ² / ndf 87.41 / 53
p0 −2230 ± 417.3
pull
Entries 54
Mean −57.85
Std Dev 0

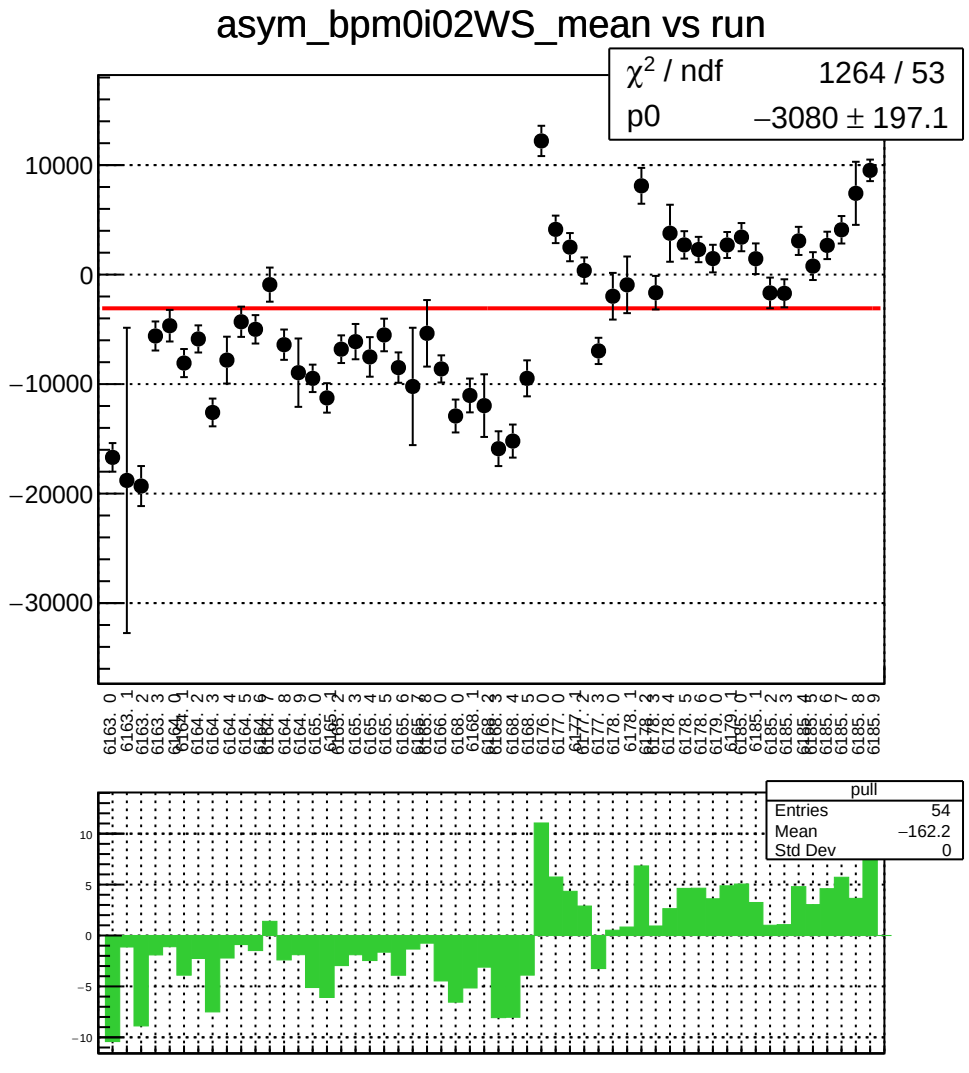

pull1D
Entries 54
Mean −0.1518
Std Dev 1.263

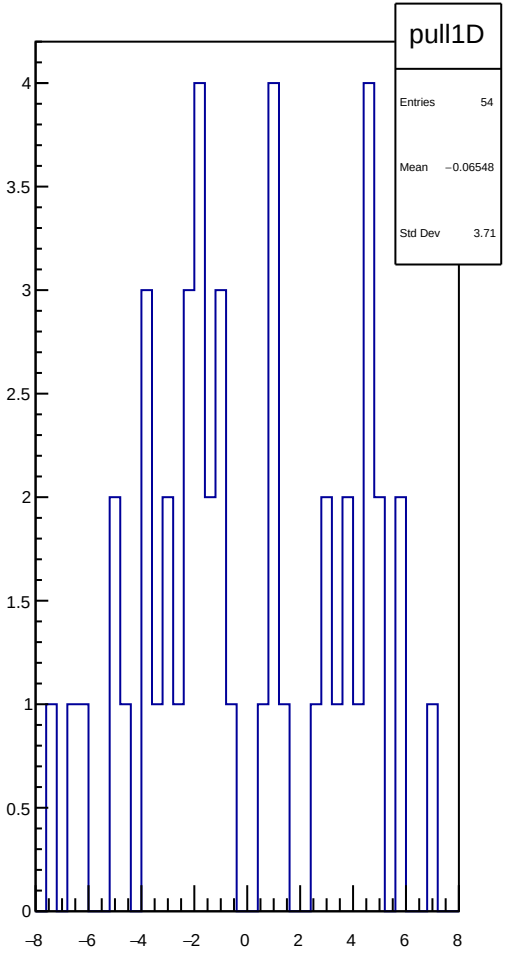

asym_bpm0r03WS_rms vs run
χ² / ndf 5.446e+04 / 53
p0 291.9 ± 0.2951
1200
1000
800
600
400
200
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

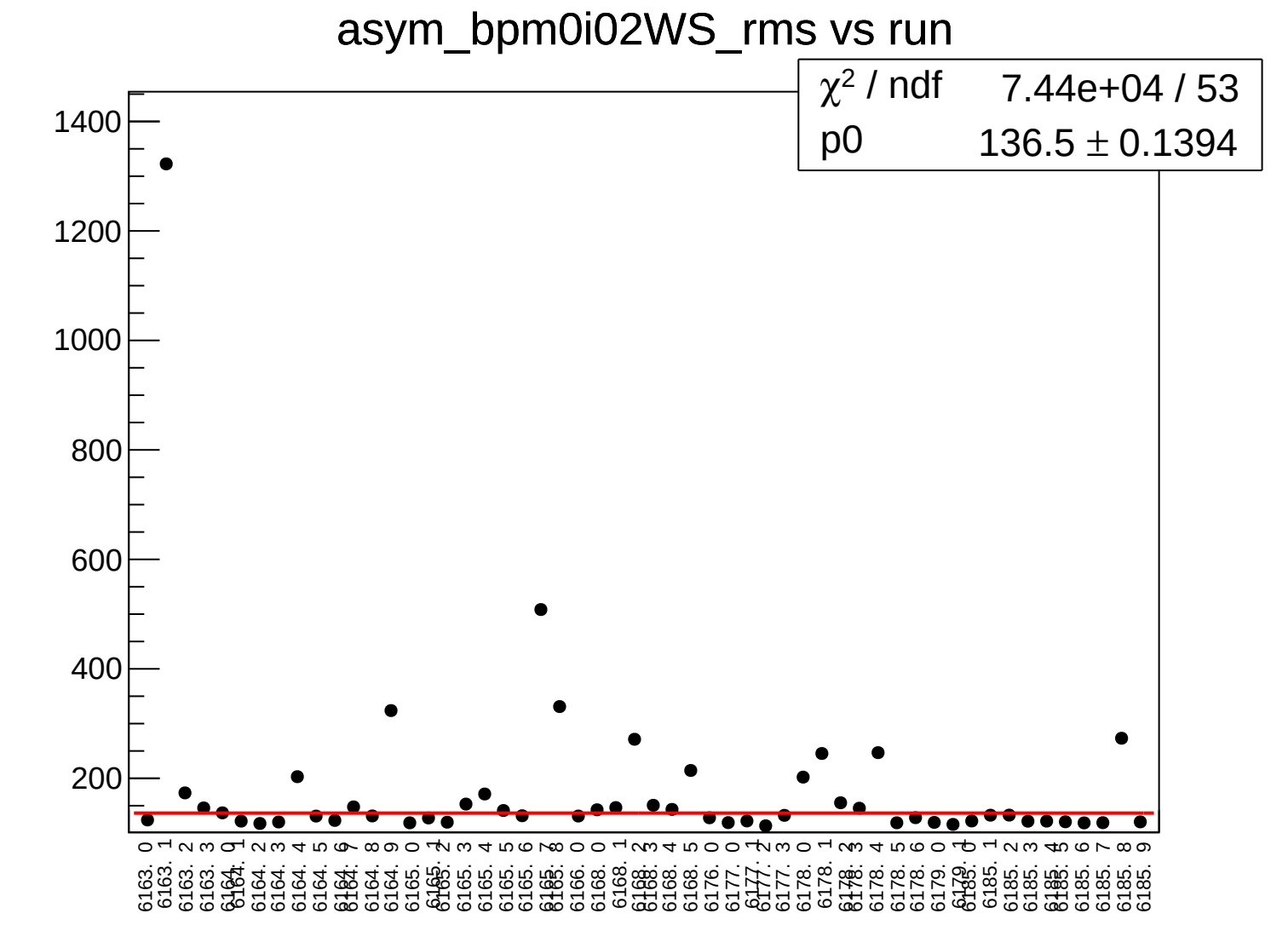

asym_bpm0r05WS_mean vs run
χ² / ndf 64.55 / 53
p0 −2295 ± 706.3
pull
Entries 54
Mean −130.5
Std Dev 0


pull1D
Entries 54
Mean −0.05194
Std Dev 1.092


asym_bpm0r05WS_rms vs run
χ² / ndf 2.452e+04 / 53
p0 501.6 ± 0.4995
1200
1000
800
600
400
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


asym_bpm0i02WS_mean vs run
χ² / ndf 1264 / 53
p0 −3080 ± 197.1
10000
0
−10000
−20000
−30000
pull
Entries 54
Mean −162.2
Std Dev 0
10
5
0
−5
−10


pull1D
Entries 54
Mean −0.06548
Std Dev 3.71
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8


asym_bpm0i02WS_rms vs run
χ² / ndf 7.44e+04 / 53
p0 136.5 ± 0.1394
1400
1200
1000
800
600
400
200
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
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6185. 2
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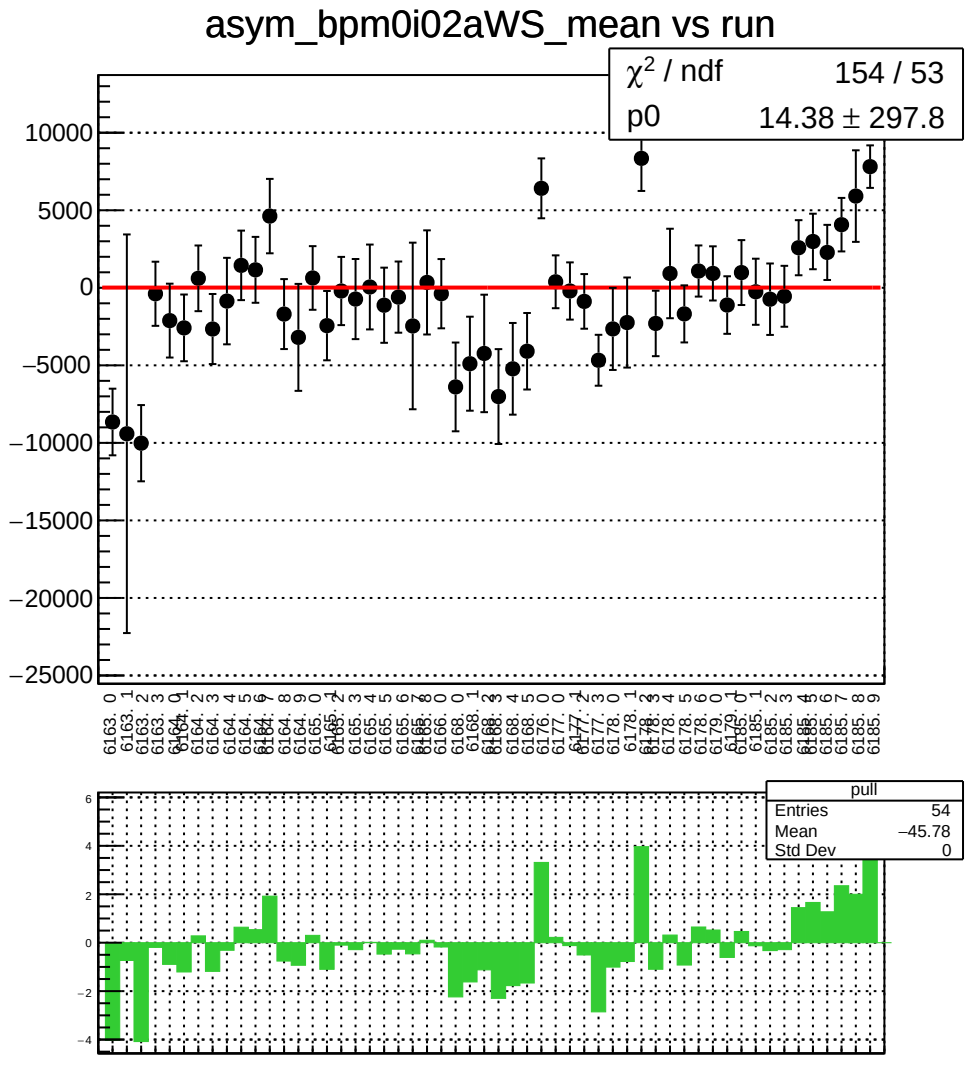
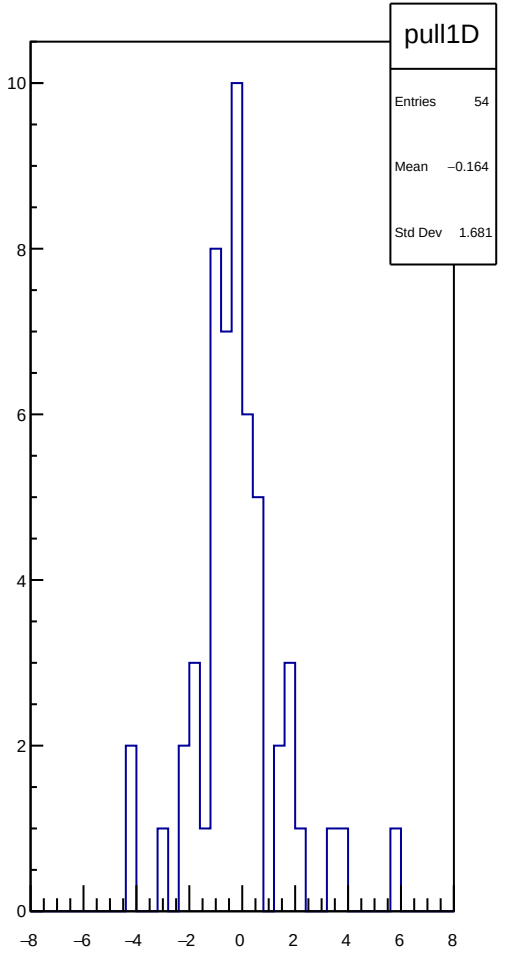
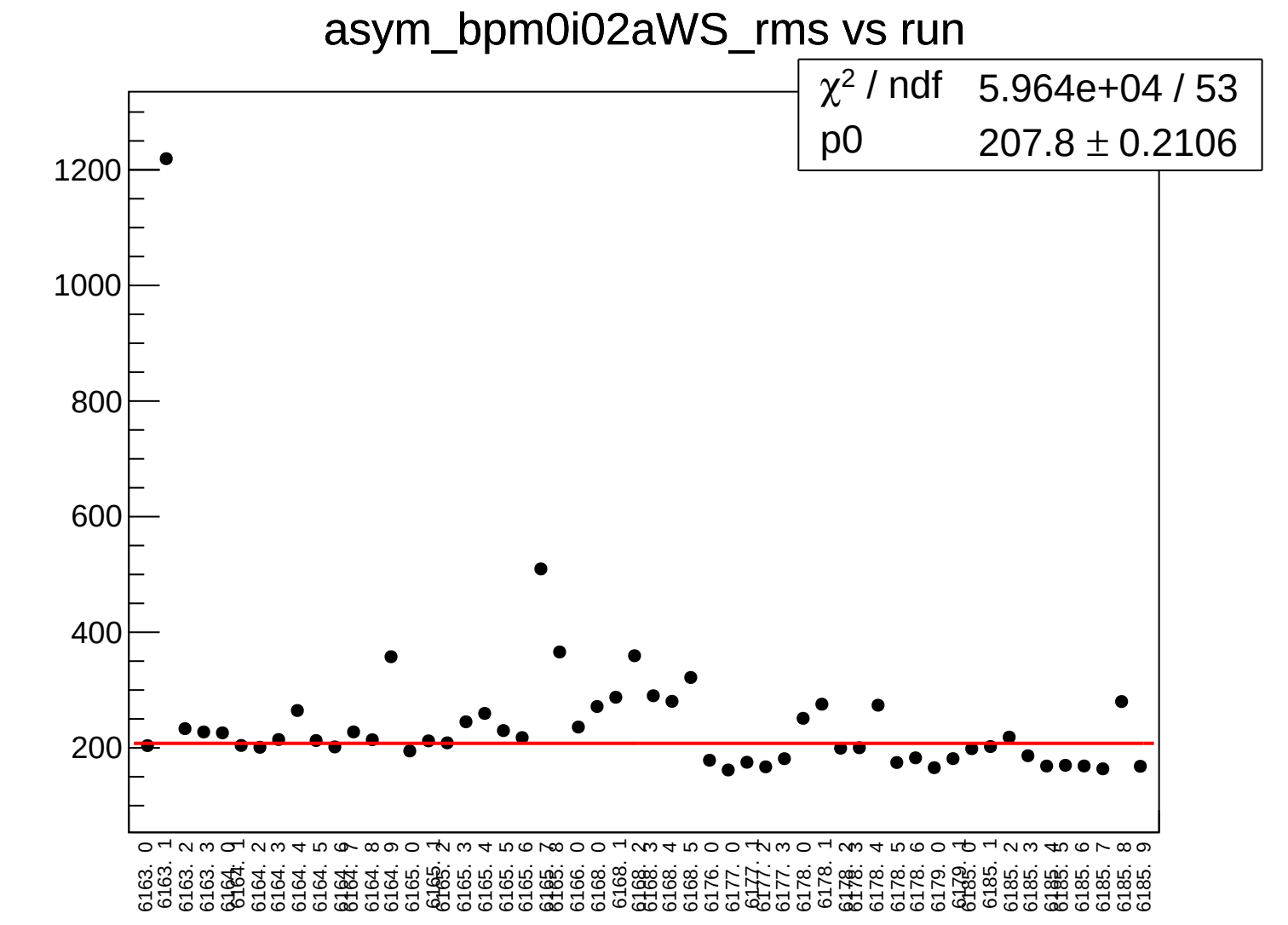
6185. 6
6185. 7
6185. 8
6185. 9


asym_bpm0i02aWS_mean vs run
χ² / ndf 154 / 53
p0 14.38 ± 297.8
pull
Entries 54
Mean −45.78
Std Dev 0


pull1D
Entries 54
Mean −0.164
Std Dev 1.681


asym_bpm0i02aWS_rms vs run
χ² / ndf 5.964e+04 / 53
p0 207.8 ± 0.2106
1200
1000
800
600
400
200
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
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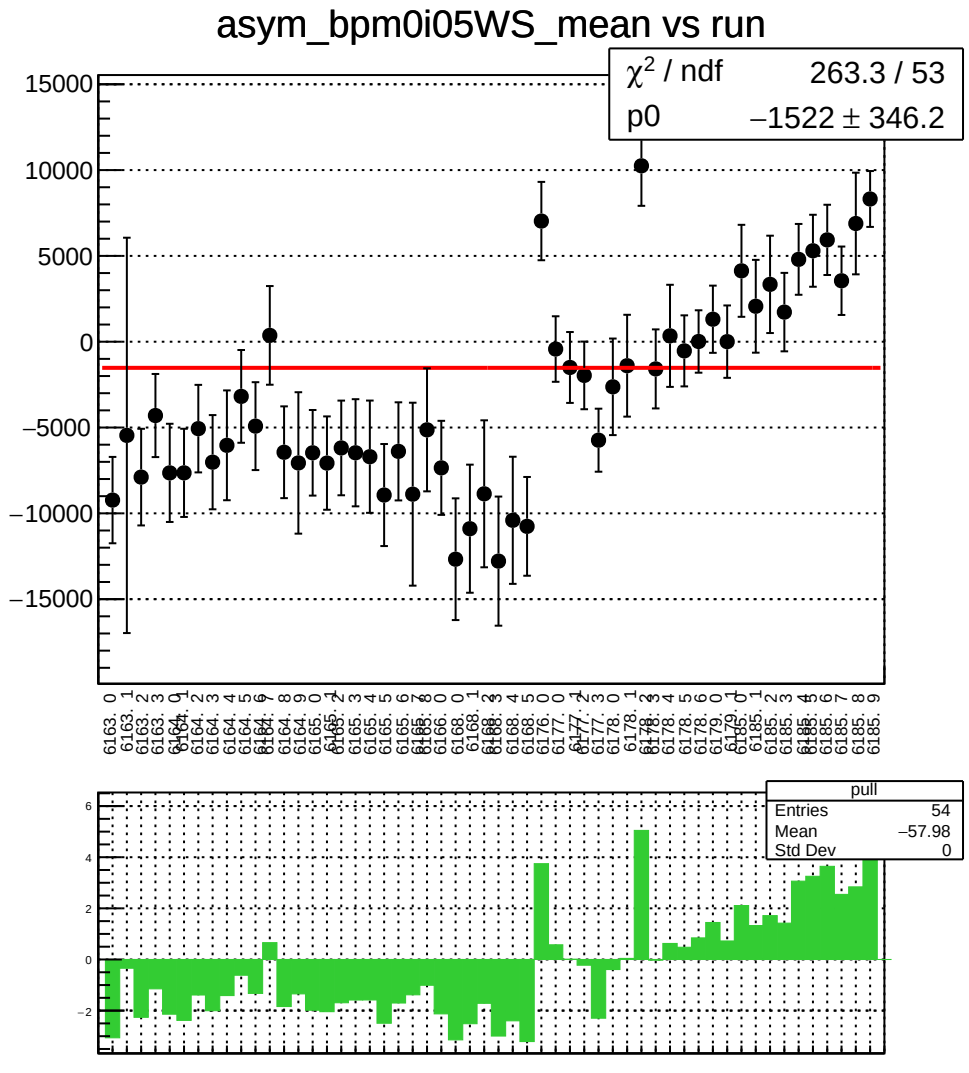
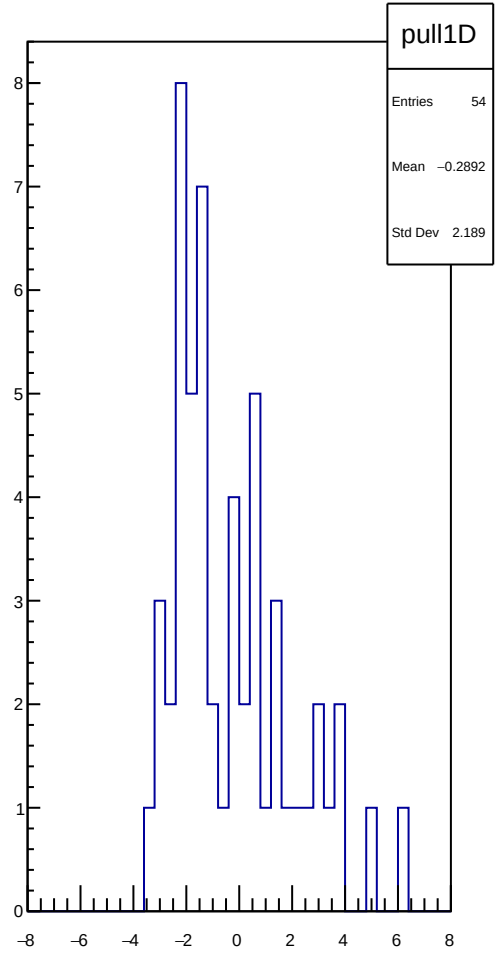
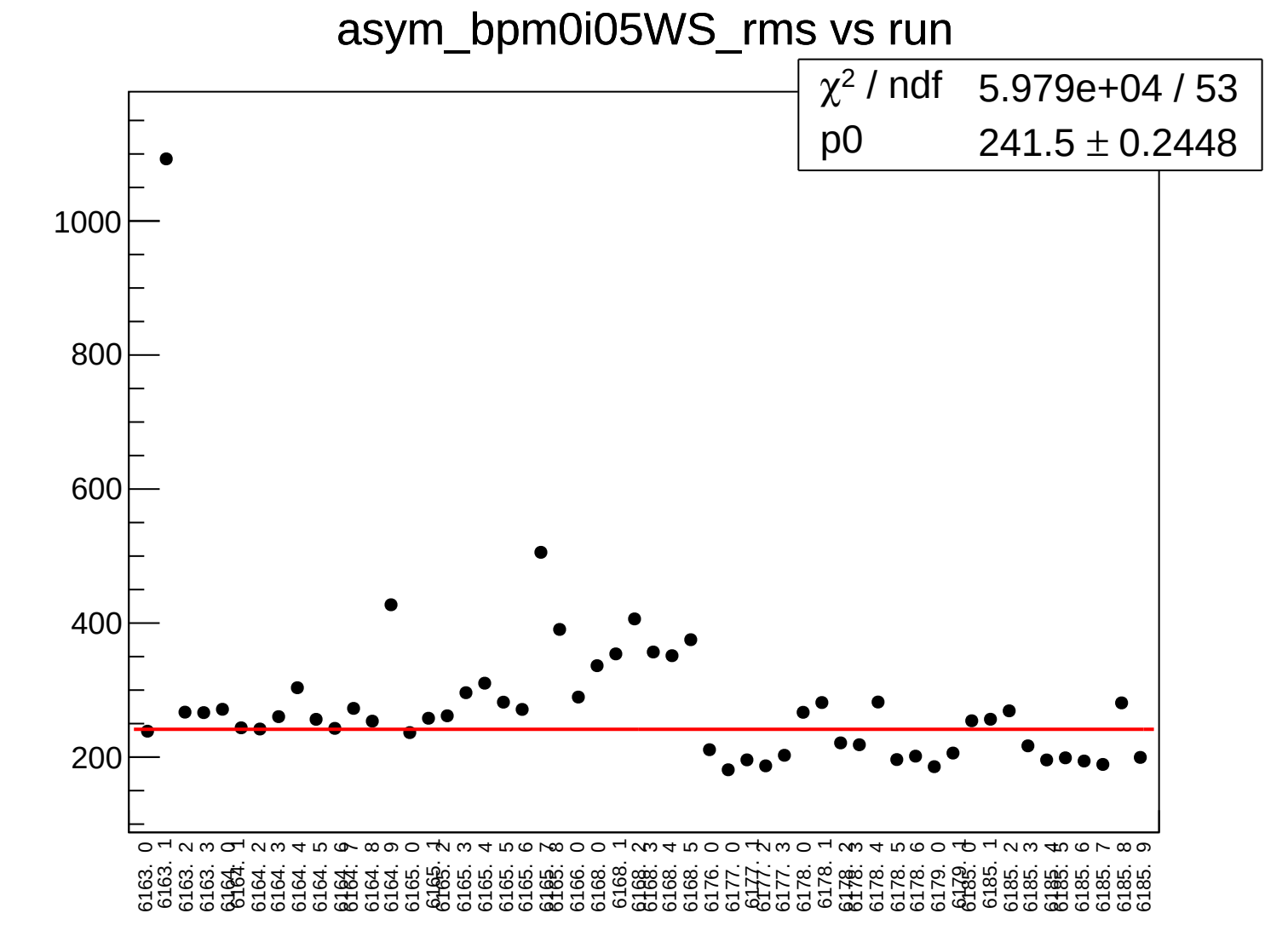
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


asym_bpm0i05WS_mean vs run
χ² / ndf 263.3 / 53
p0 −1522 ± 346.2
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 54
Mean −57.98
Std Dev 0
6
4
2
0
−2


pull1D
Entries 54
Mean −0.2892
Std Dev 2.189
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_bpm0i05WS_rms vs run
χ² / ndf 5.979e+04 / 53
p0 241.5 ± 0.2448
1000
800
600
400
200
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
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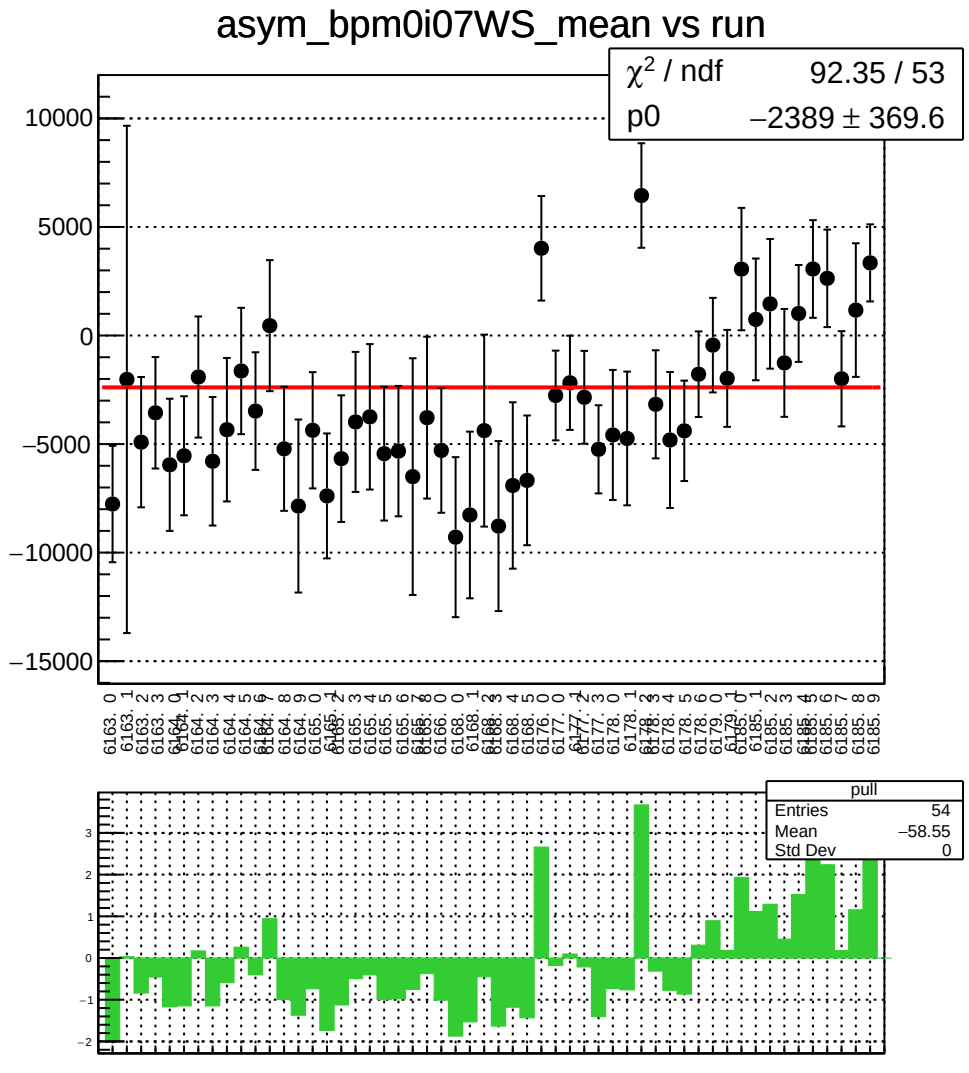
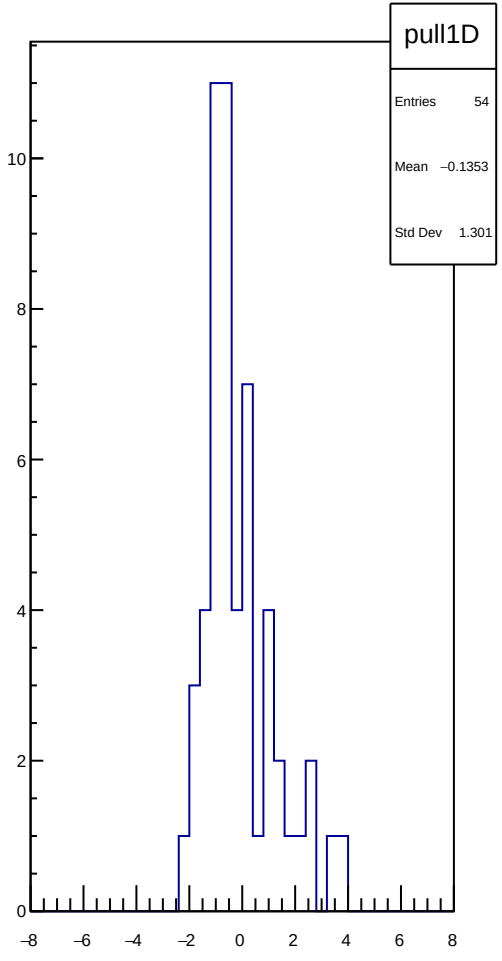
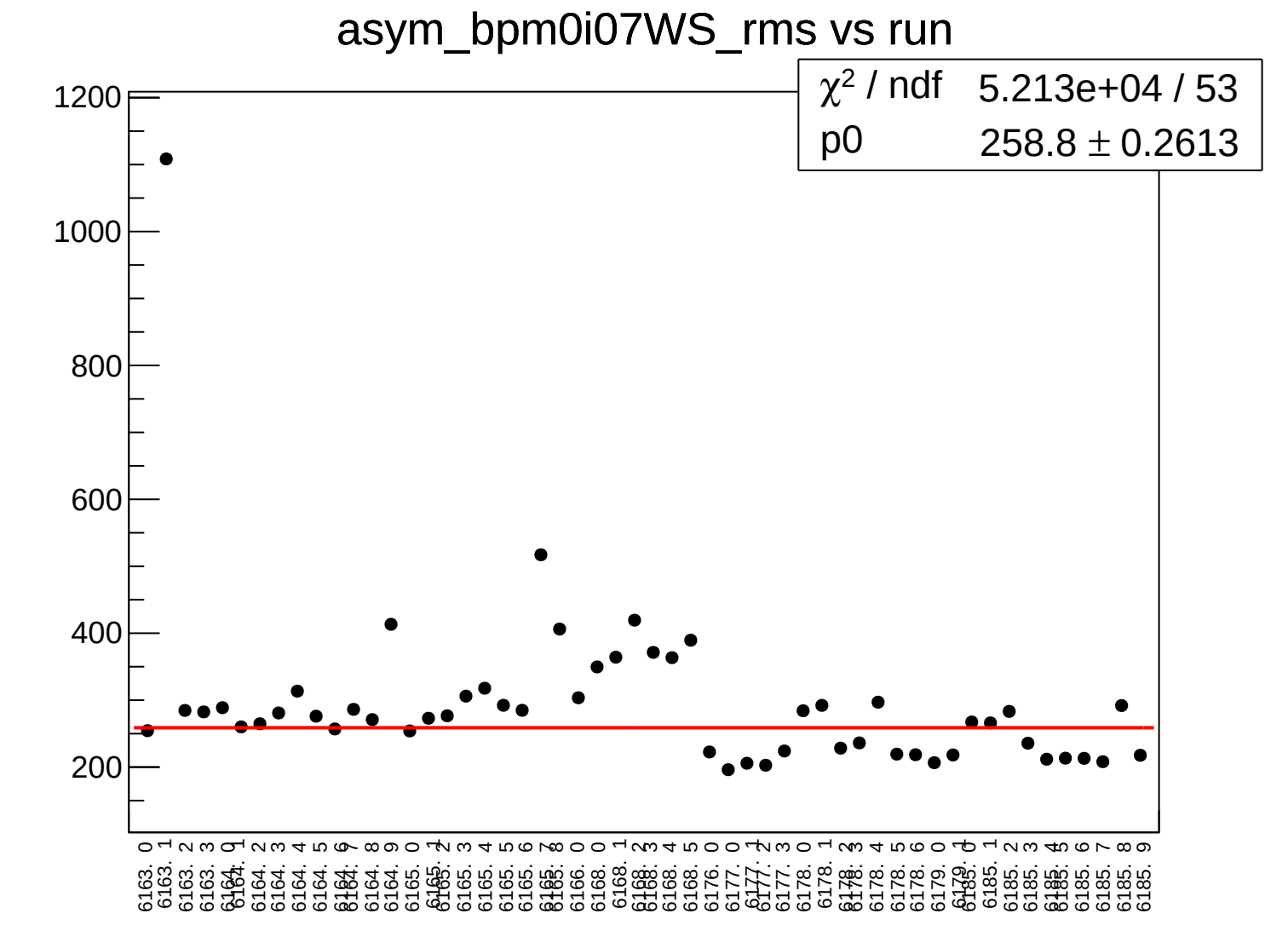
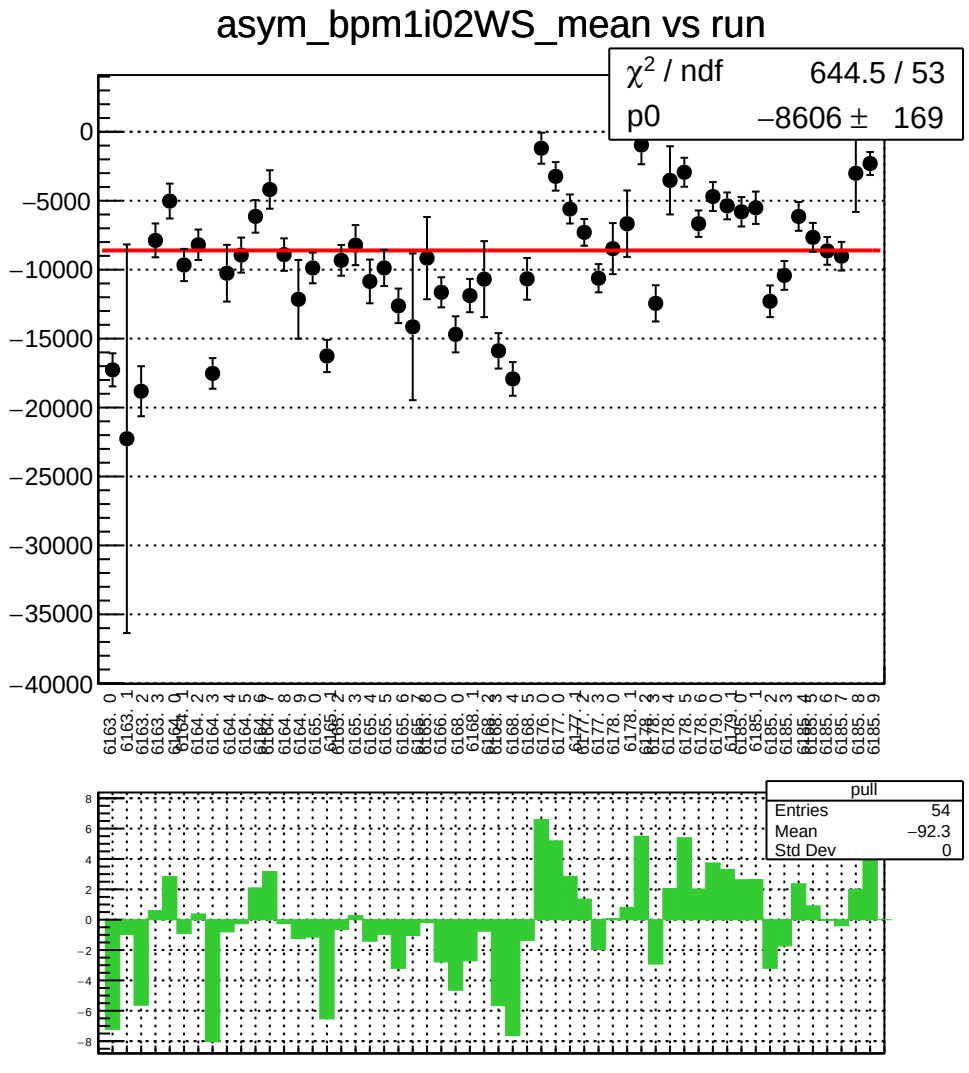
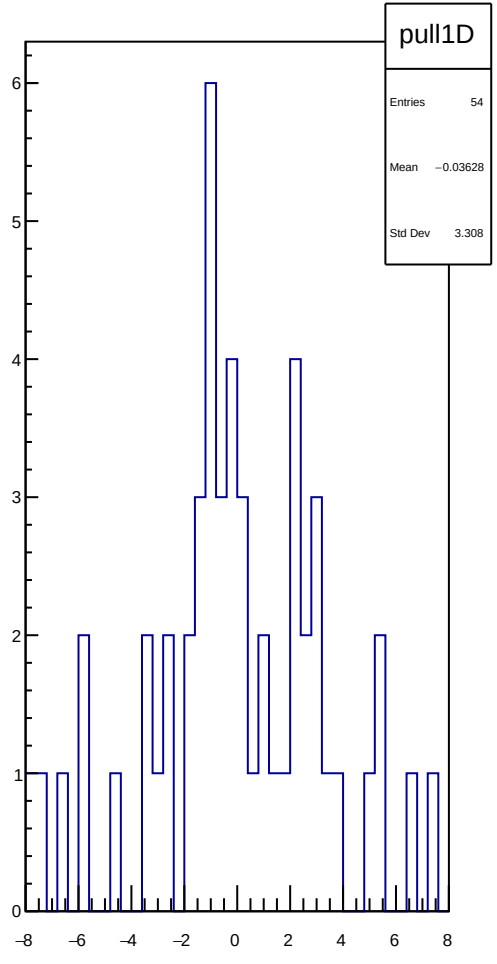
6185. 7
6185. 8
6185. 9

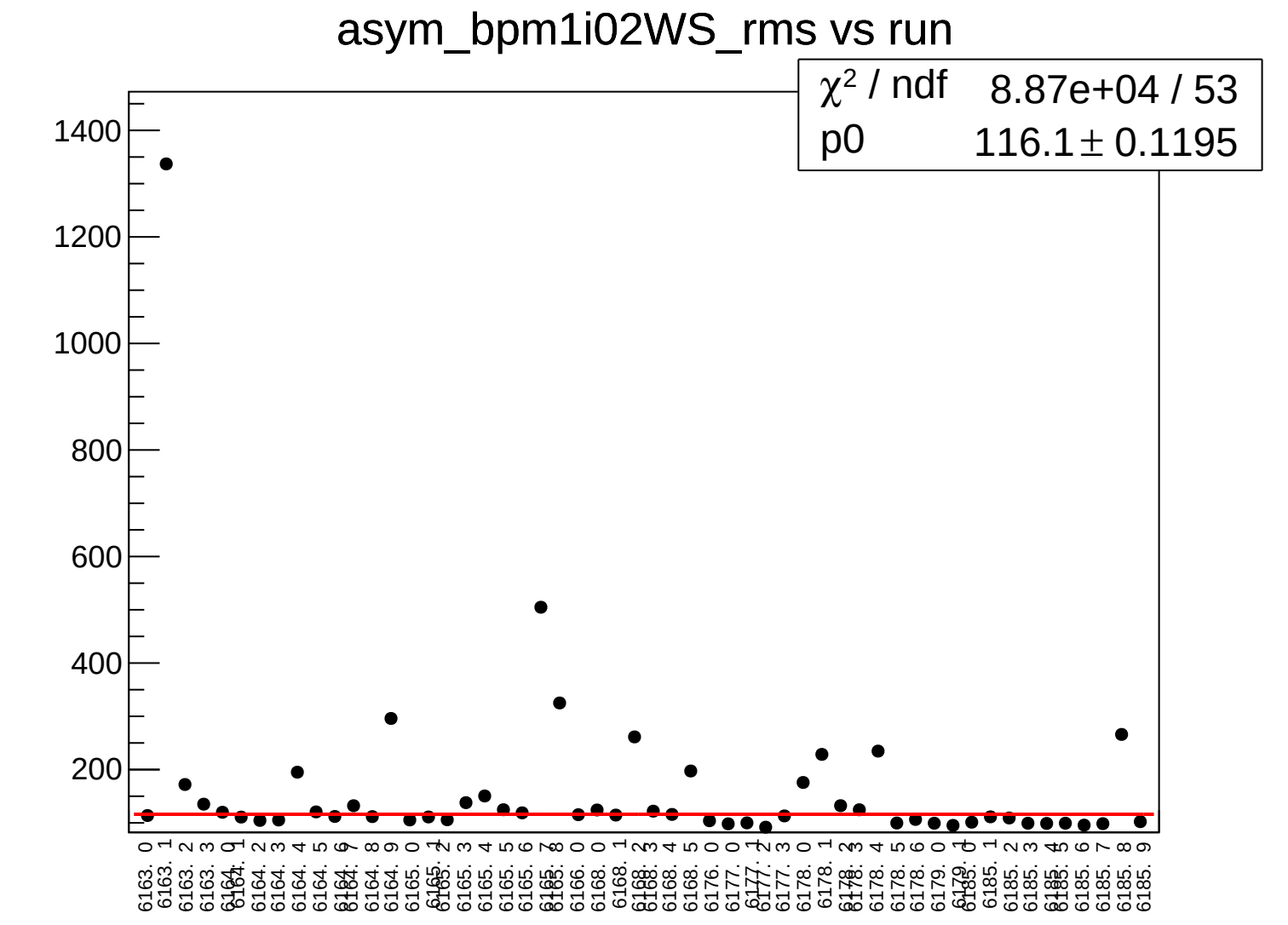

asym_bpm0i07WS_mean vs run
χ² / ndf 92.35 / 53
p0 −2389 ± 369.6
10000
5000
0
−5000
−10000
−15000
pull
Entries 54
Mean −58.55
Std Dev 0
3
2
1
0
−1
−2

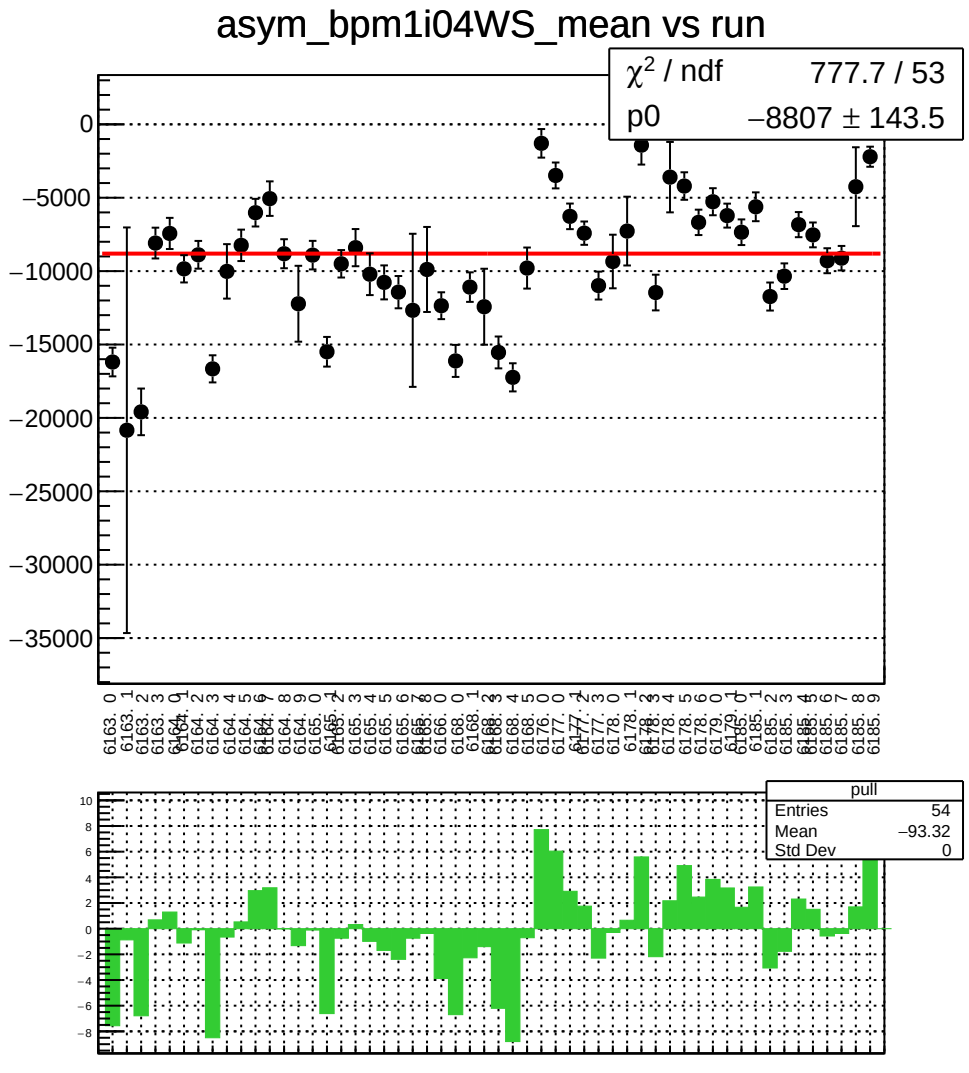

pull1D
Entries 54
Mean −0.1353
Std Dev 1.301
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

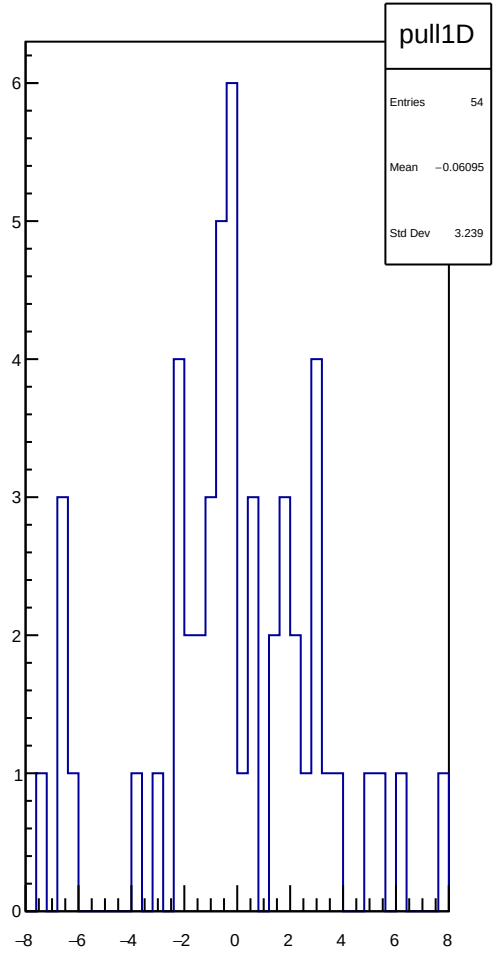

asym_bpm0i07WS_rms vs run
χ² / ndf 5.213e+04 / 53
p0 258.8 ± 0.2613
1200
1000
800
600
400
200
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

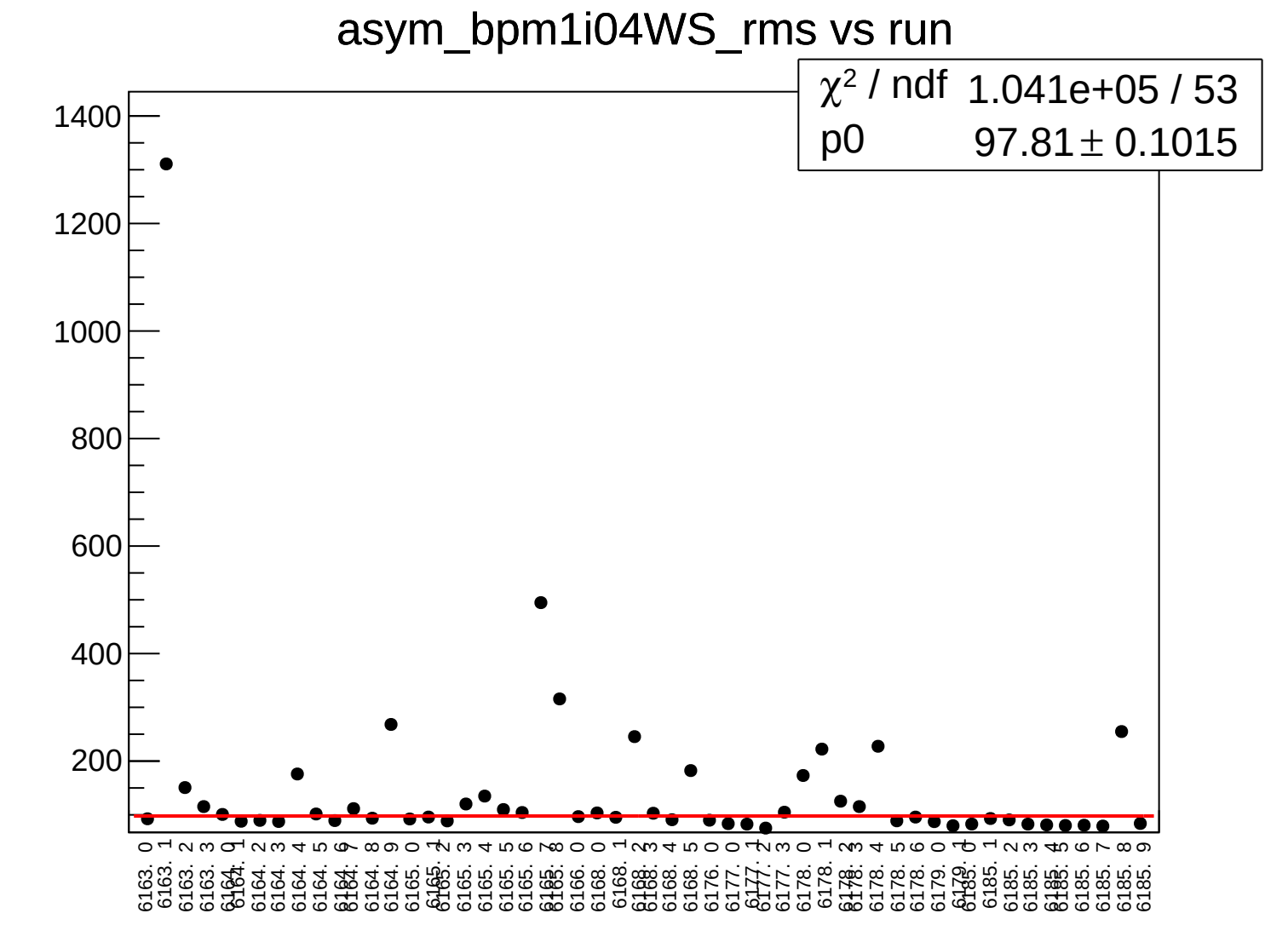

asym_bpm1i02WS_mean vs run
χ² / ndf 644.5 / 53
p0 −8606 ± 169
pull
Entries 54
Mean −92.3
Std Dev 0

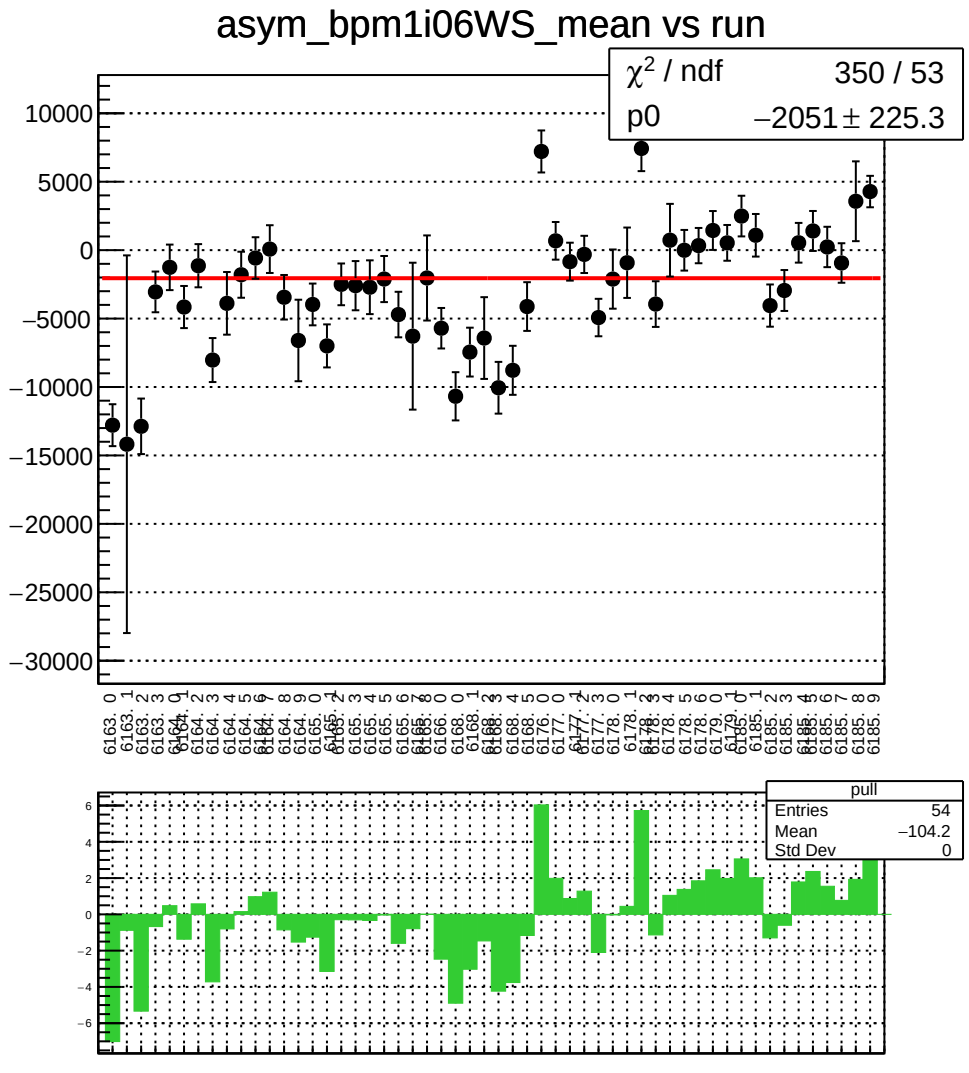

pull1D
Entries 54
Mean −0.03628
Std Dev 3.308

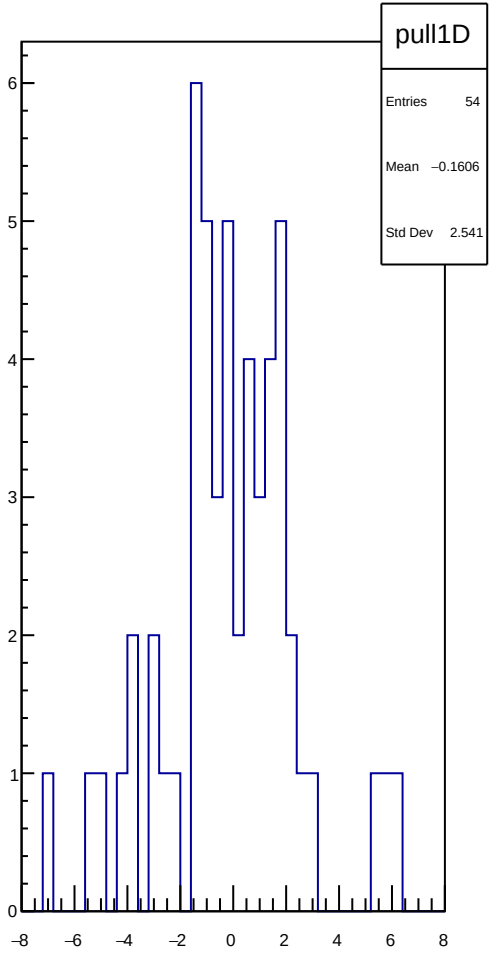

asym_bpm1i02WS_rms vs run
χ² / ndf 8.87e+04 / 53
p0 116.1 ± 0.1195
1400
1200
1000
800
600
400
200
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

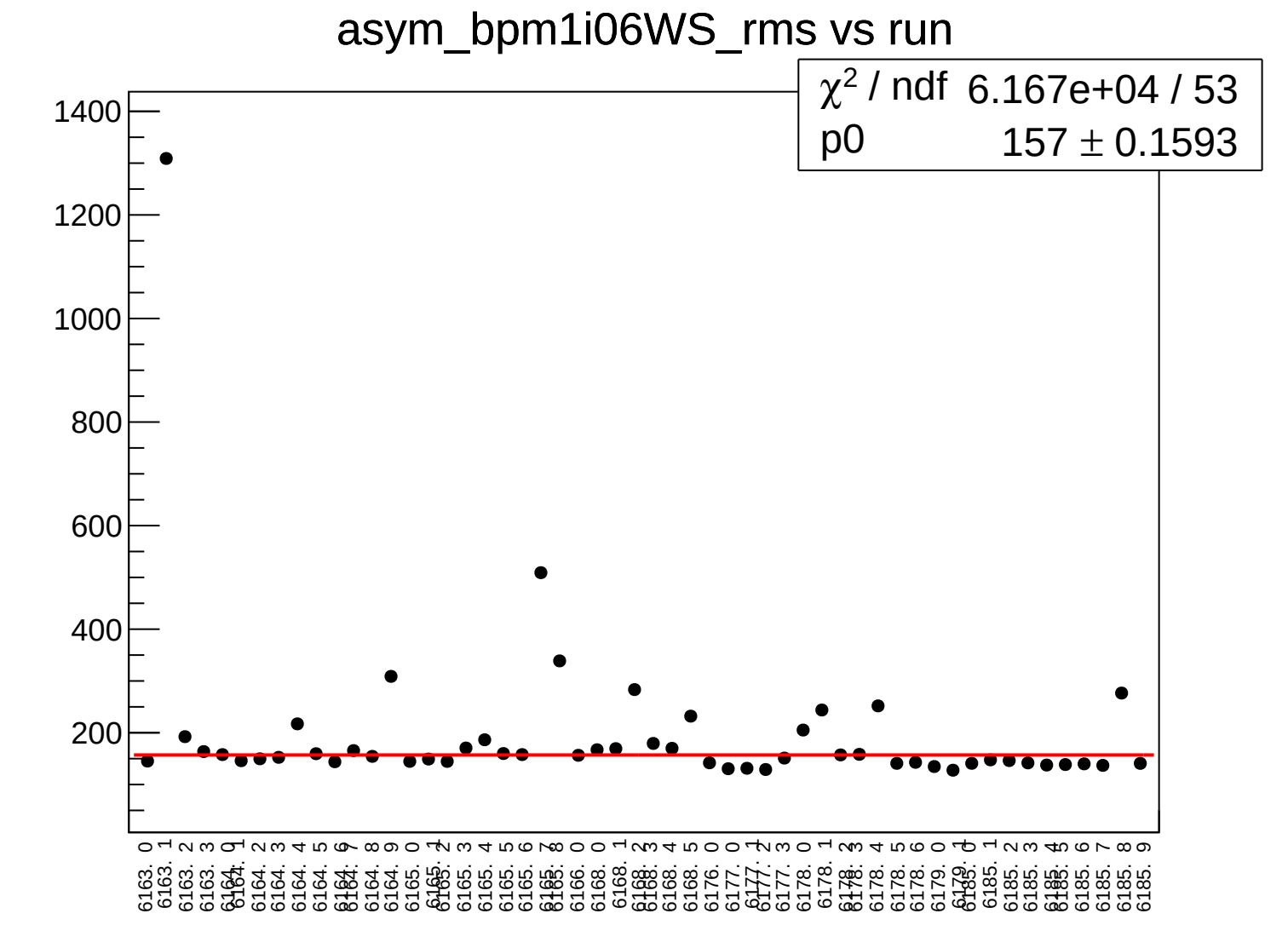

asym_bpm1i04WS_mean vs run
χ^2 / ndf 777.7 / 53
p0 −8807 ± 143.5
pull
Entries 54
Mean −93.32
Std Dev 0

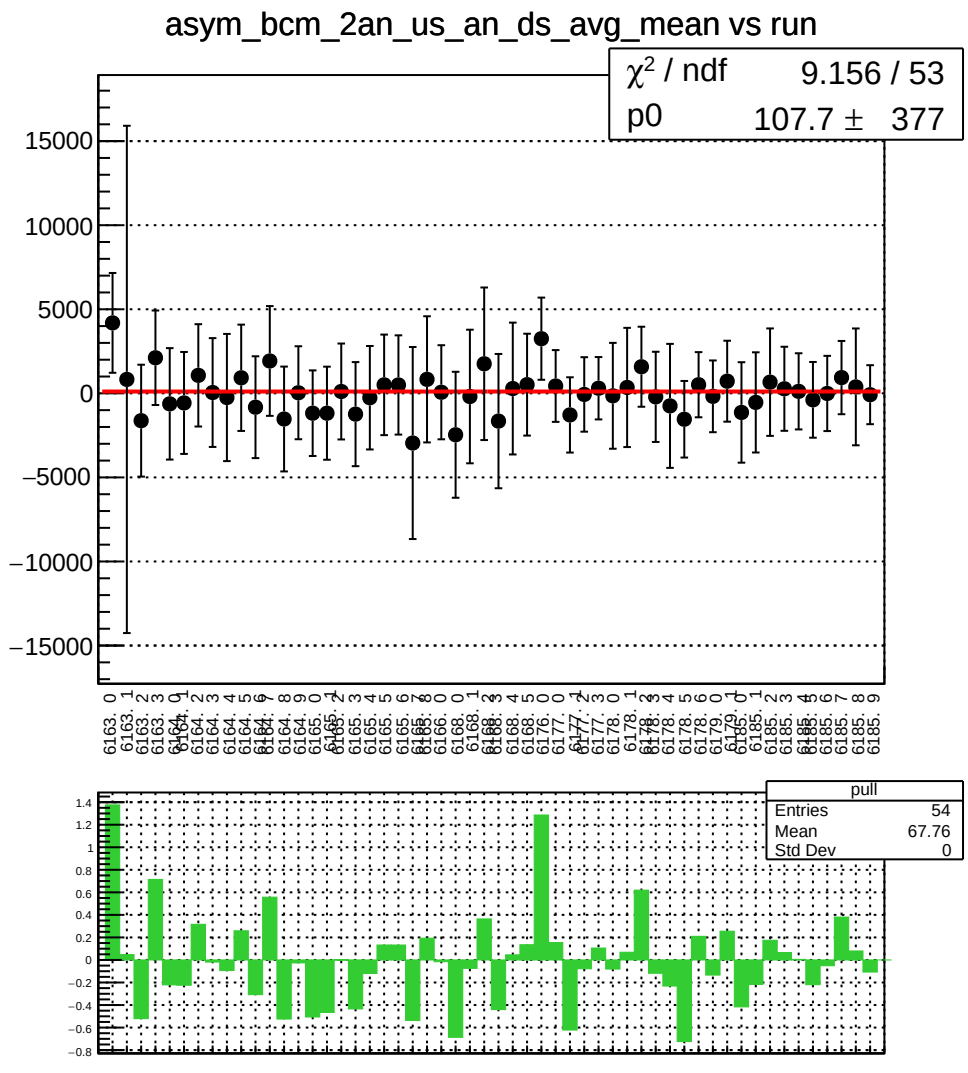

pull1D
Entries 54
Mean −0.06095
Std Dev 3.239

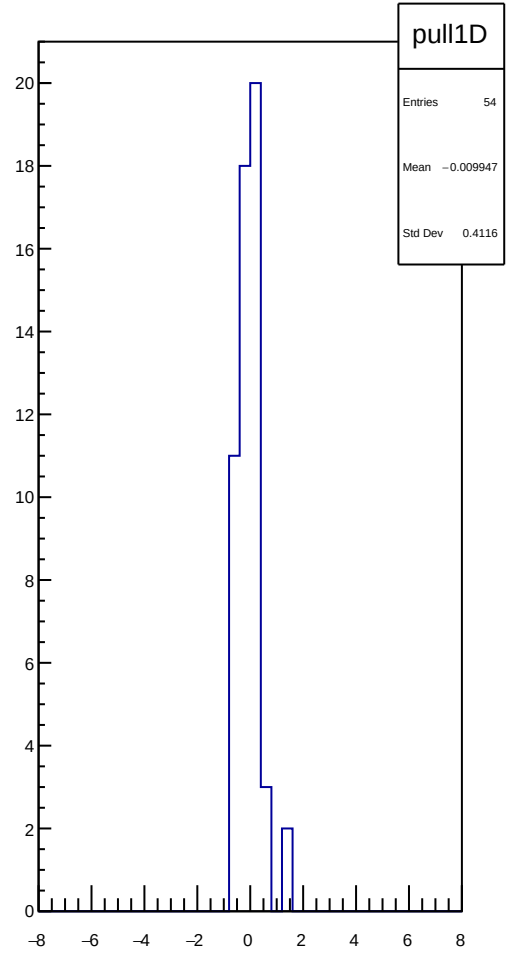

asym_bpm1i04WS_rms vs run
χ² / ndf 1.041e+05 / 53
p0 97.81 ± 0.1015
1400
1200
1000
800
600
400
200
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

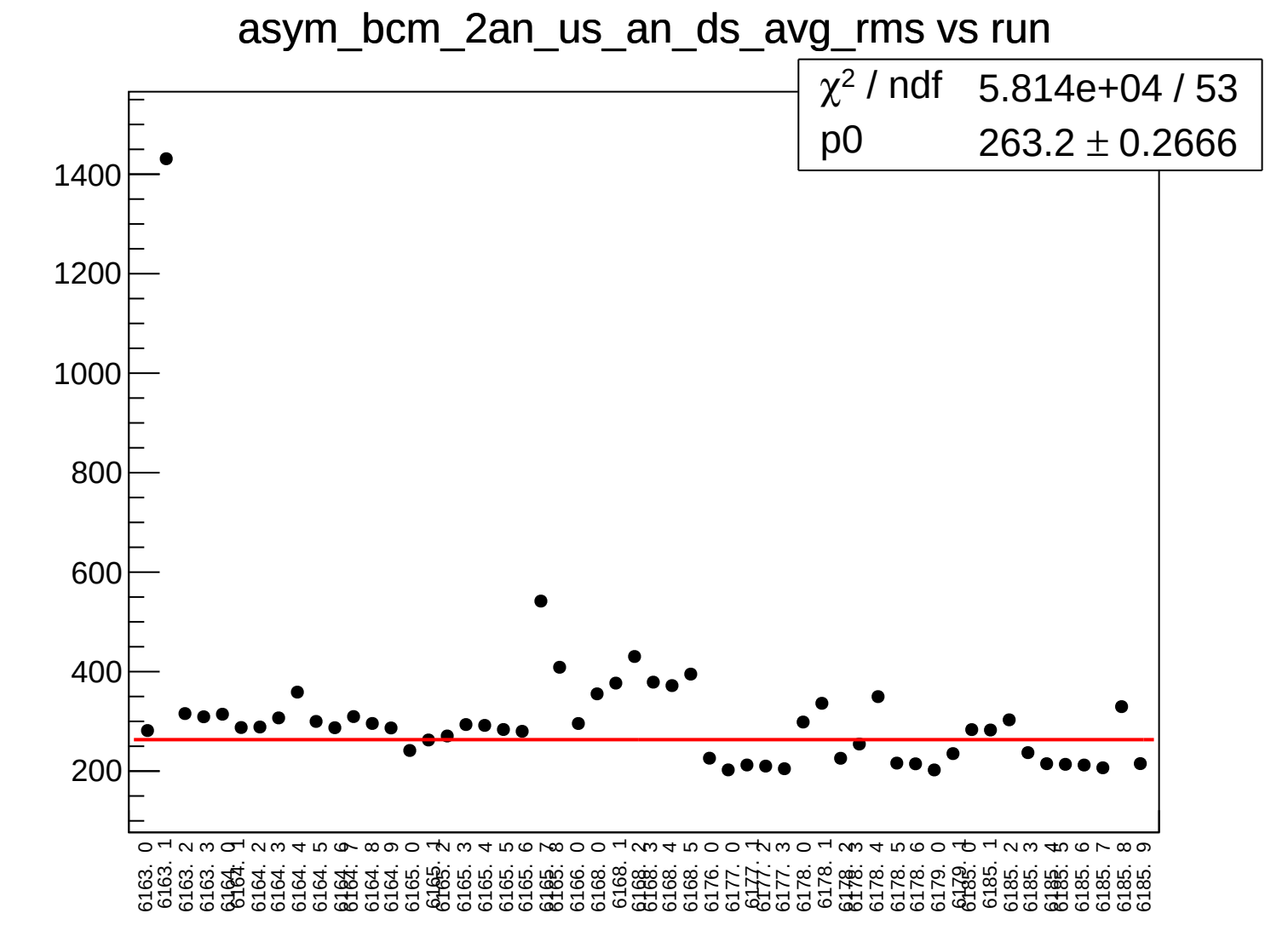

asym_bpm1i06WS_mean vs run
χ² / ndf 350 / 53
p0 −2051 ± 225.3
pull
Entries 54
Mean −104.2
Std Dev 0

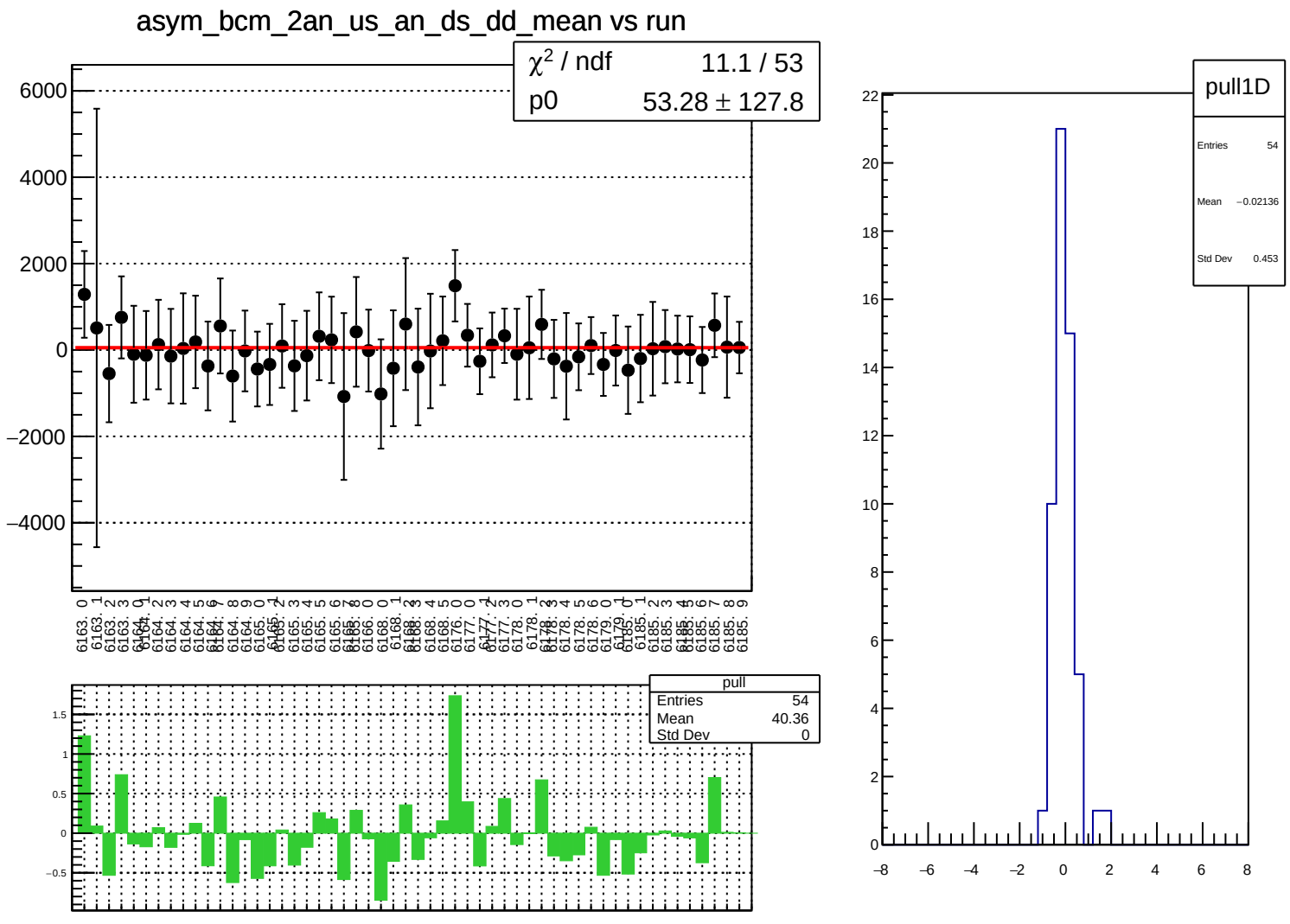

pull1D
Entries 54
Mean −0.1606
Std Dev 2.541

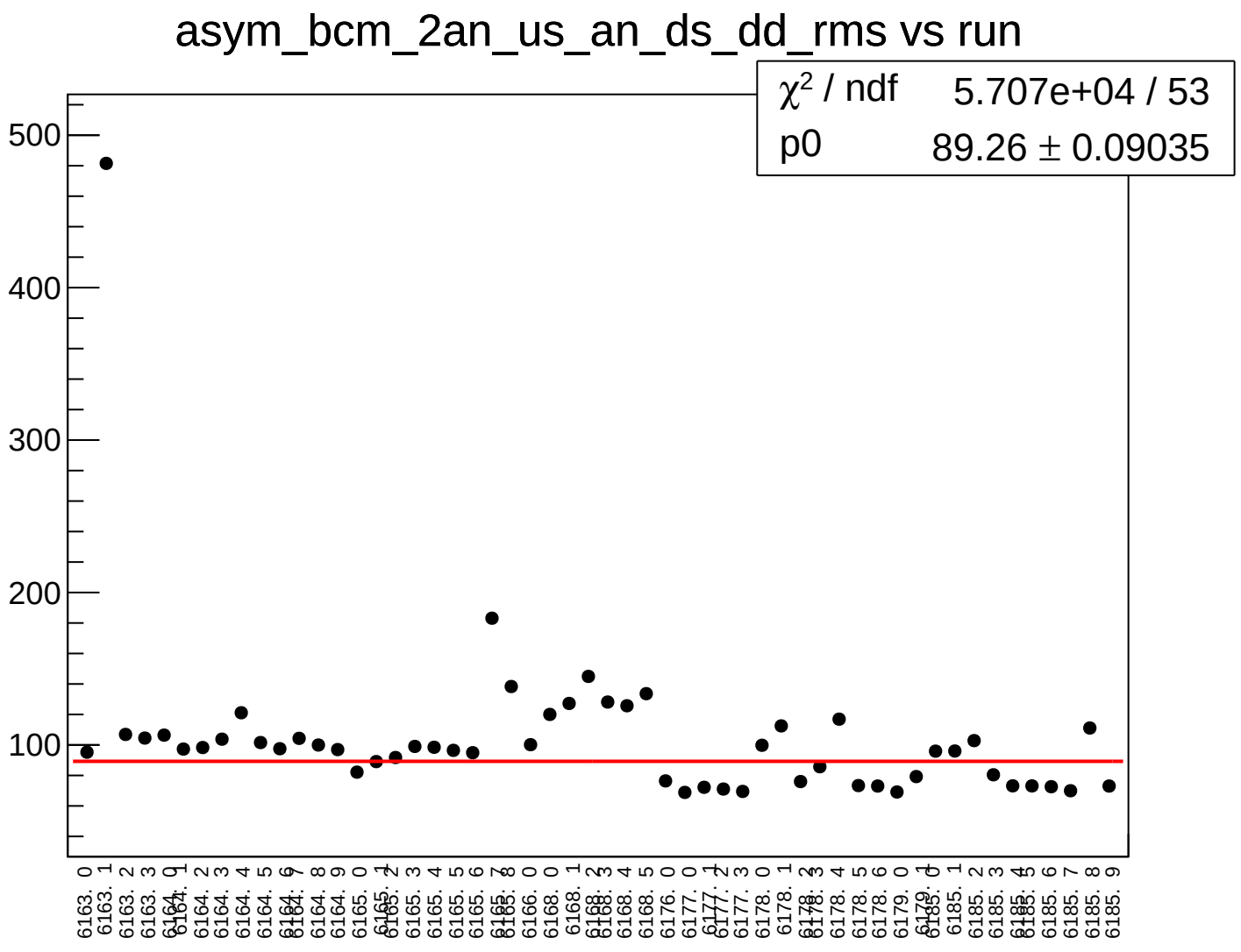

asym_bpm1i06WS_rms vs run
χ² / ndf 6.167e+04 / 53
p0 157 ± 0.1593
1400
1200
1000
800
600
400
200
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

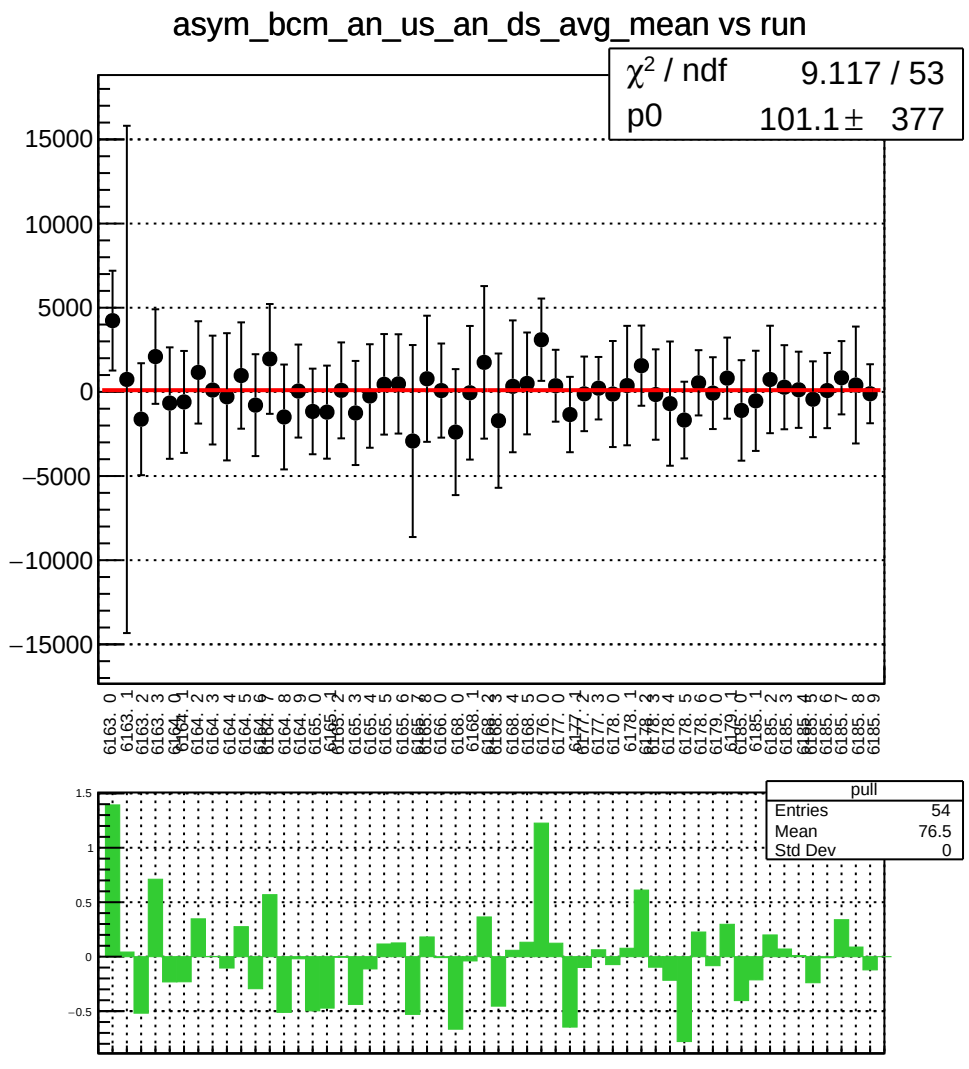

asym_bcm_2an_us_an_ds_avg_mean vs run
χ² / ndf 9.156 / 53
p0 107.7 ± 377
pull
Entries 54
Mean 67.76
Std Dev 0

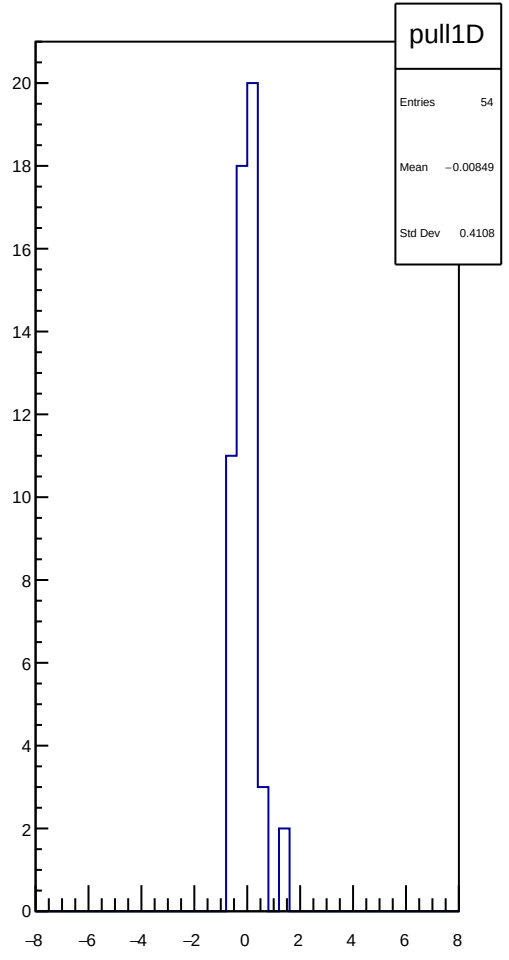

pull1D
Entries 54
Mean −0.009947
Std Dev 0.4116

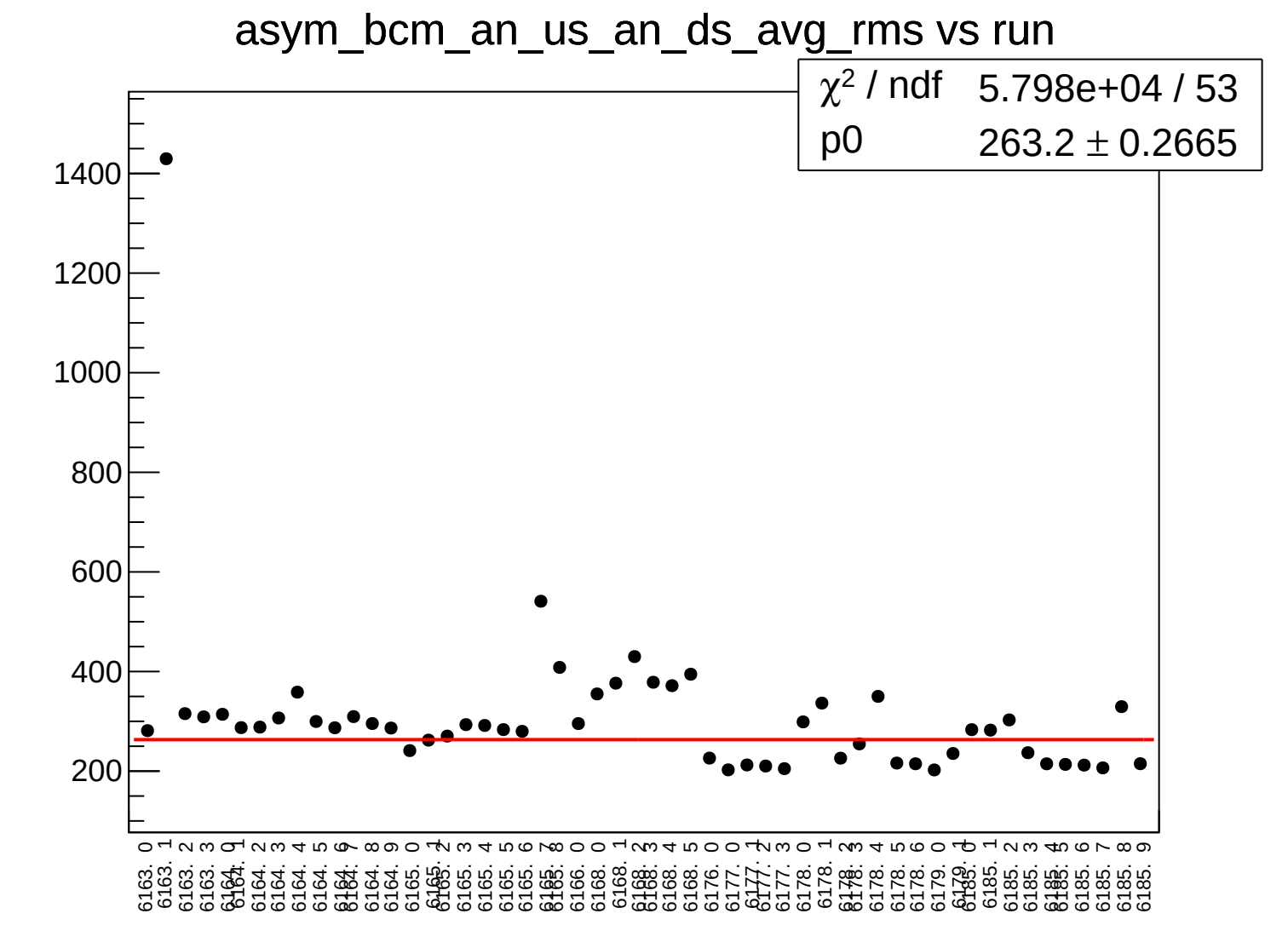

asym_bcm_2an_us_an_ds_avg_rms vs run
χ² / ndf 5.814e+04 / 53
p0 263.2 ± 0.2666
1400
1200
1000
800
600
400
200
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

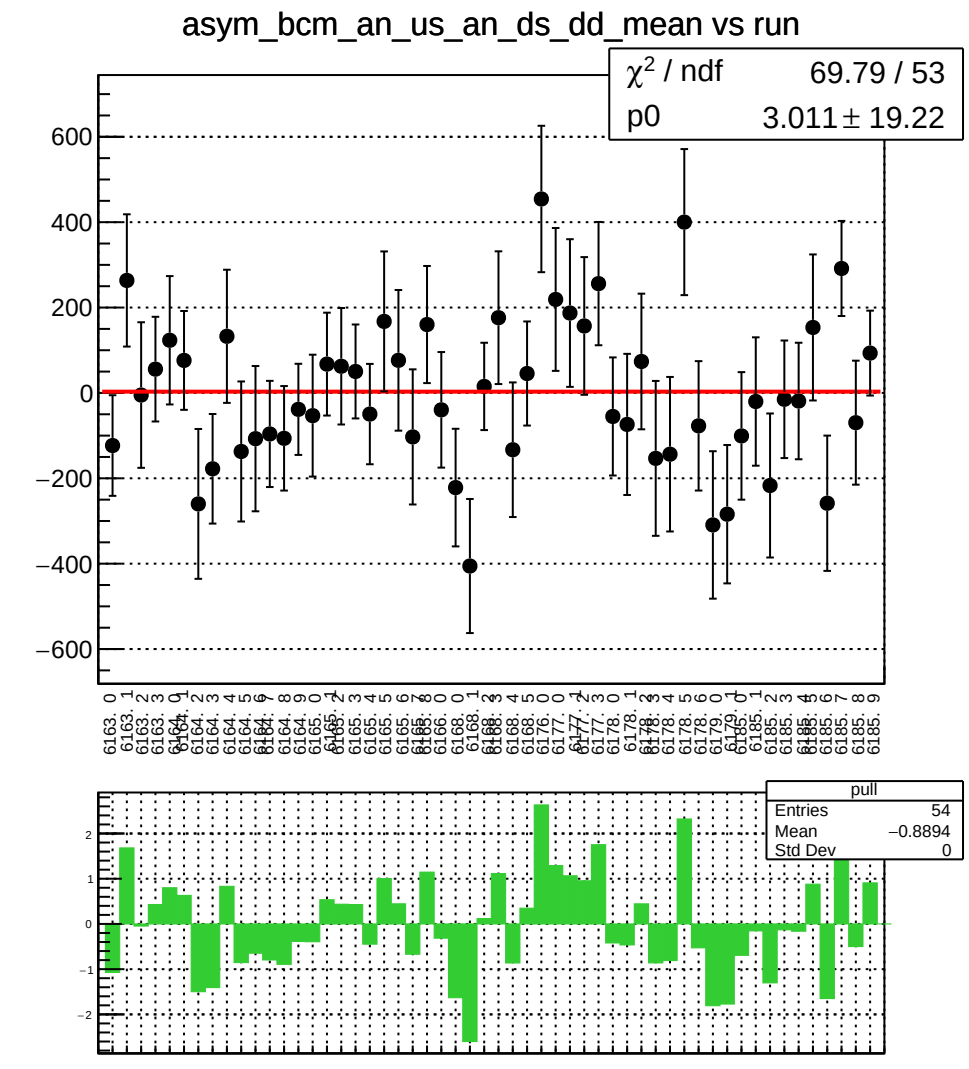

asym_bcm_2an_us_an_ds_dd_mean vs run
χ² / ndf 11.1 / 53
p0 53.28 ± 127.8
pull
Entries 54
Mean 40.36
Std Dev 0
pull1D
Entries 54
Mean −0.02136
Std Dev 0.453

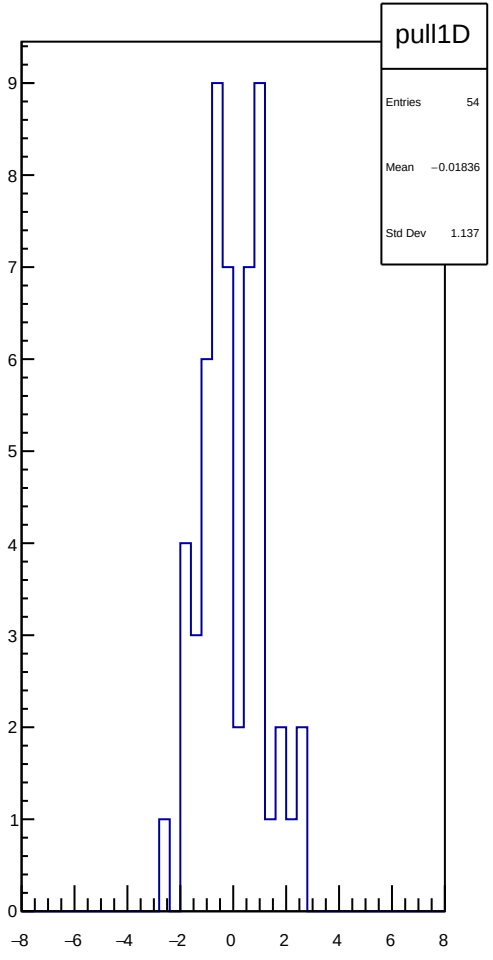

asym_bcm_2an_us_an_ds_dd_rms vs run
χ² / ndf 5.707e+04 / 53
p0 89.26 ± 0.09035
500
400
300
200
100
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

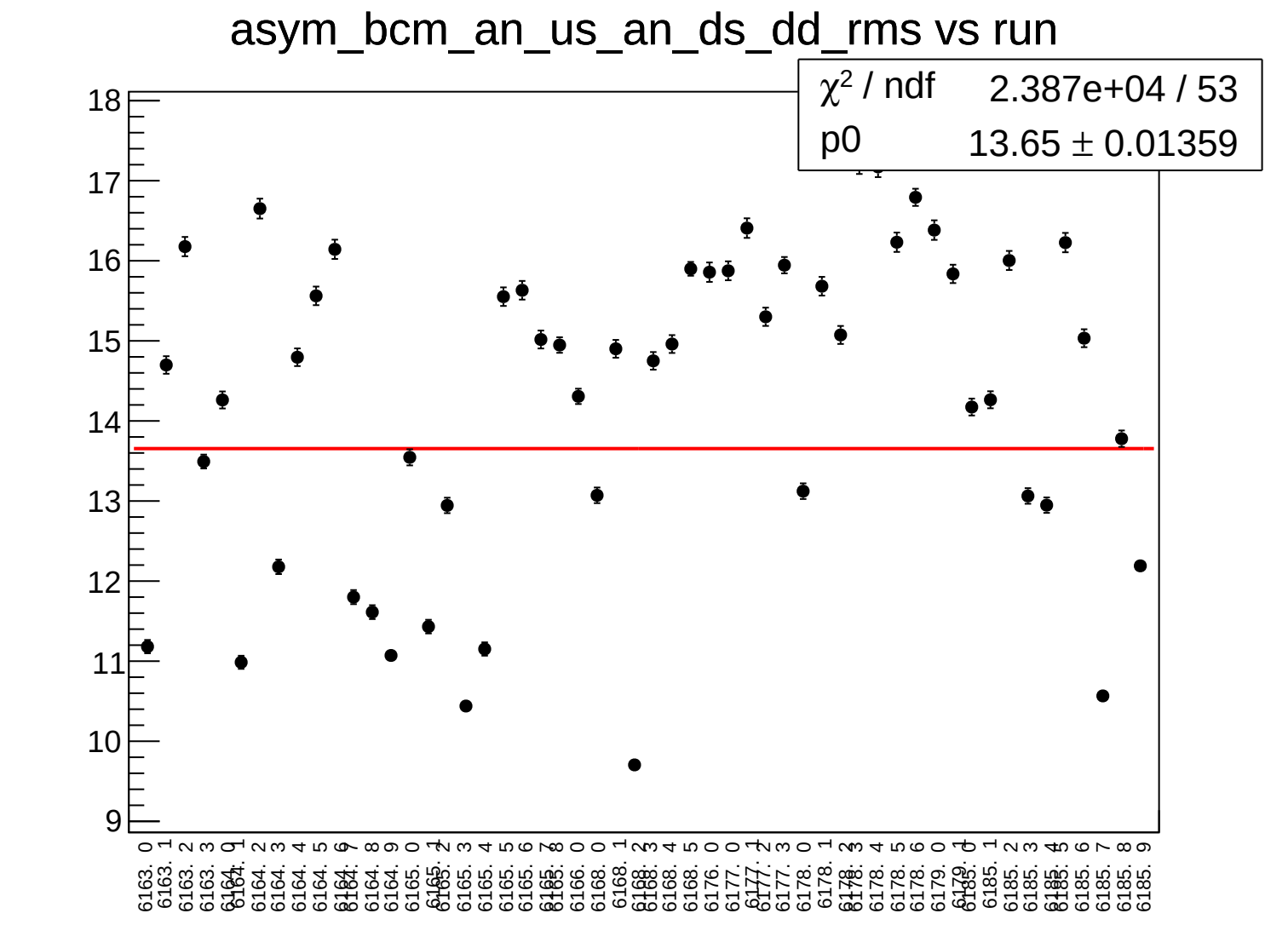

asym_bcm_an_us_an_ds_avg_mean vs run
χ² / ndf 9.117 / 53
p0 101.1 ± 377
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 54
Mean 76.5
Std Dev 0
1.5
1
0.5
0
−0.5

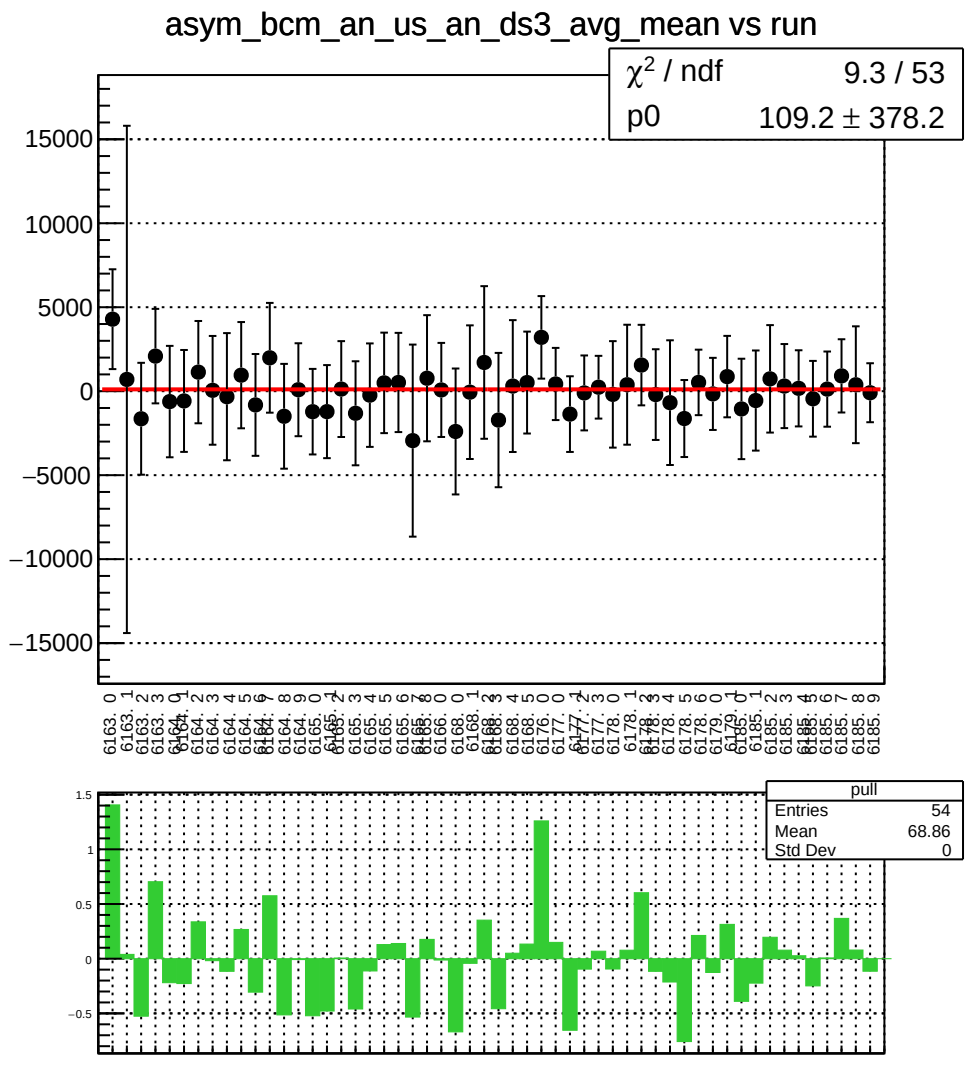

pull1D
Entries 54
Mean −0.00849
Std Dev 0.4108
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

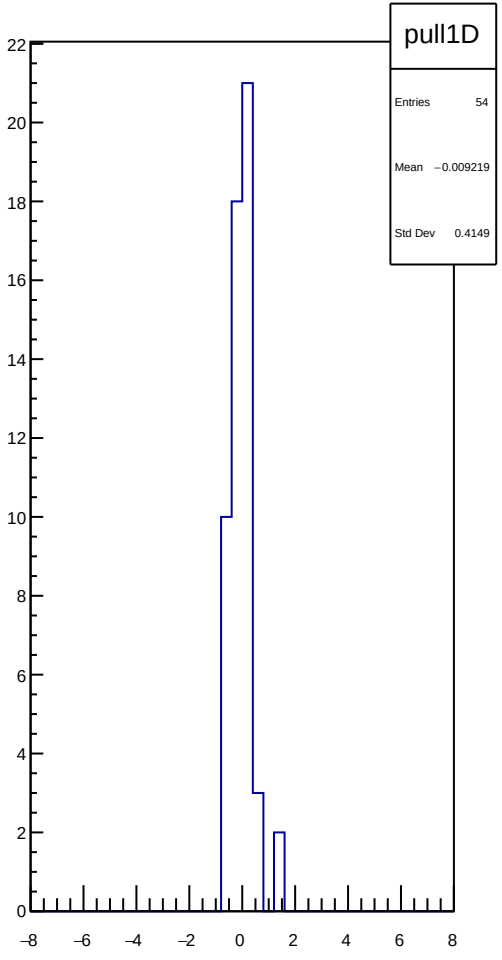

asym_bcm_an_us_an_ds_avg_rms vs run
χ² / ndf 5.798e+04 / 53
p0 263.2 ± 0.2665
1400
1200
1000
800
600
400
200
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

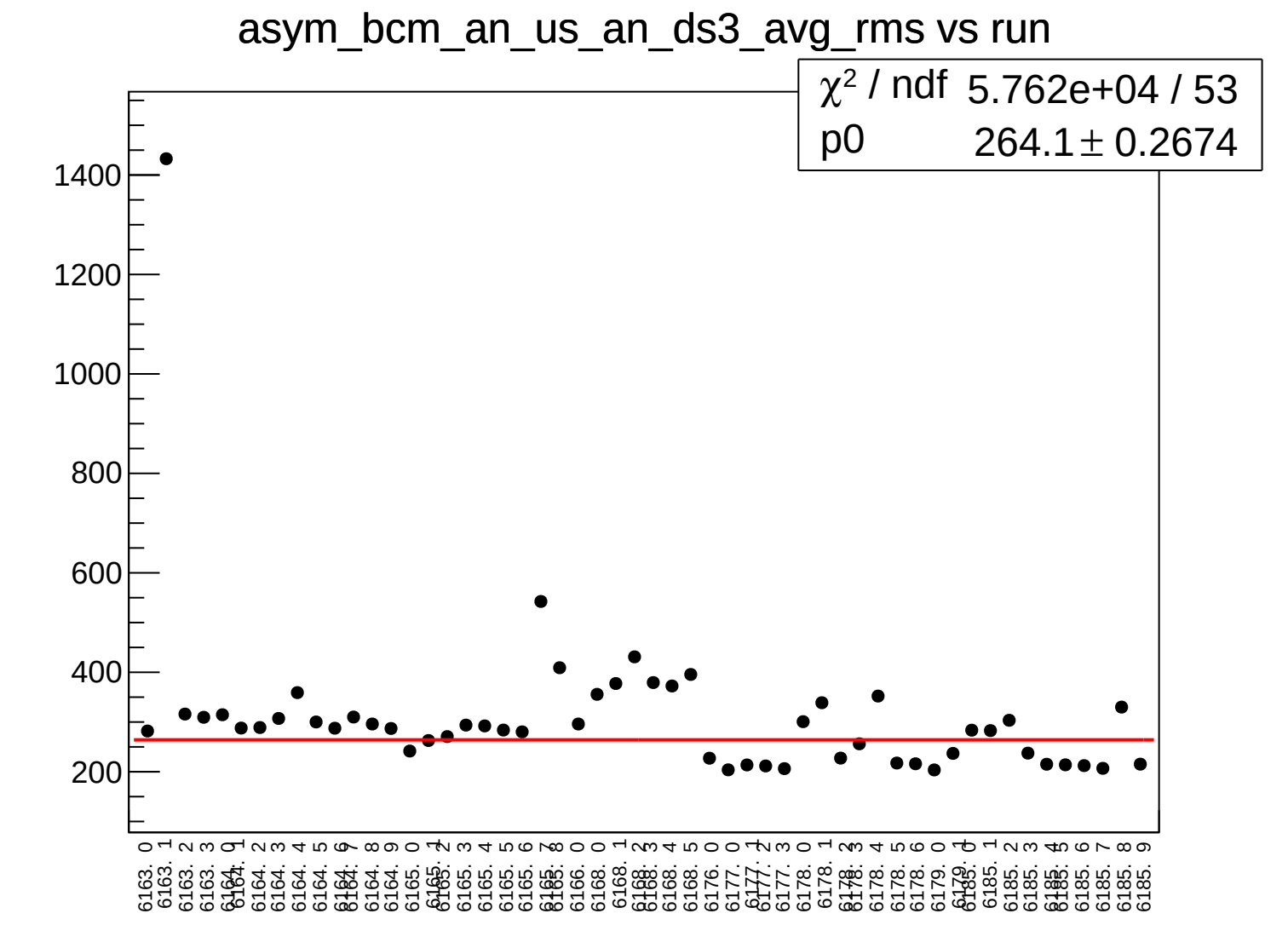

asym_bcm_an_us_an_ds_dd_mean vs run
χ² / ndf 69.79 / 53
p0 3.011 ± 19.22
pull
Entries 54
Mean −0.8894
Std Dev 0

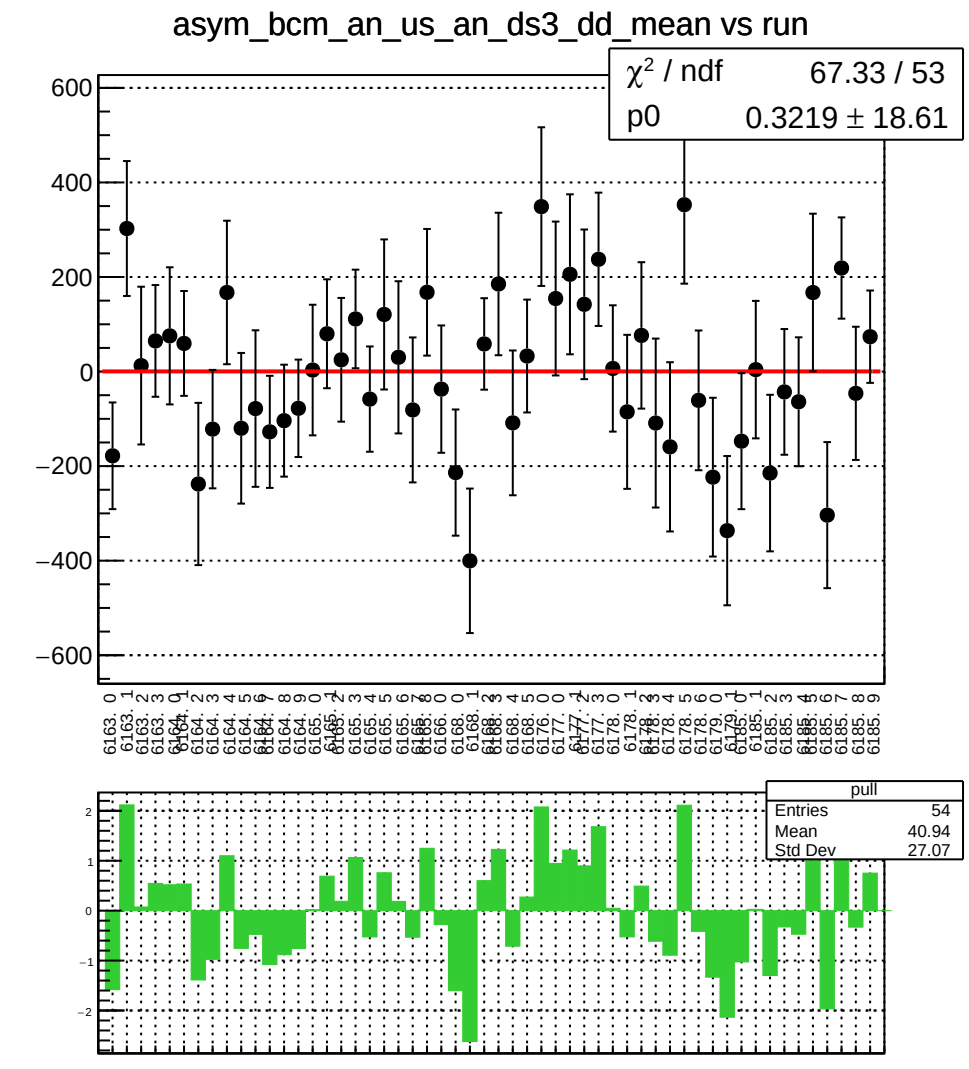

pull1D
Entries 54
Mean −0.01836
Std Dev 1.137

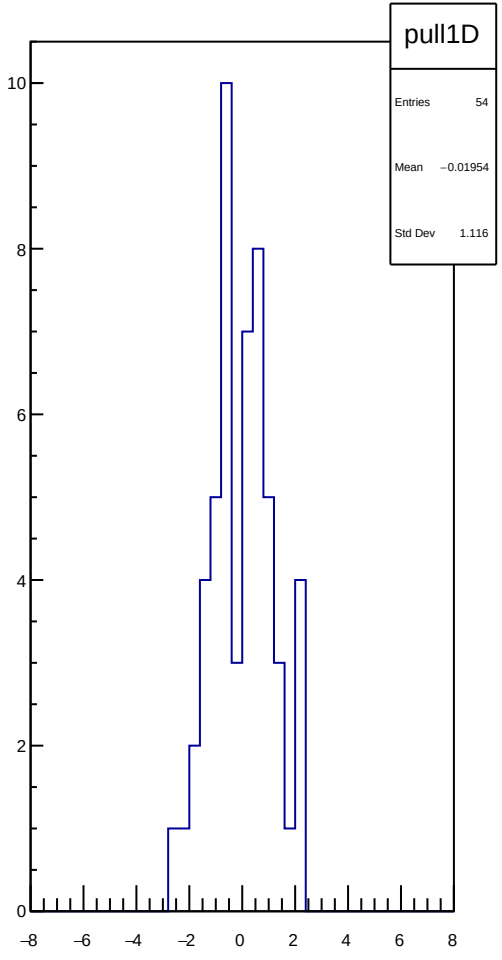

asym_bcm_an_us_an_ds_dd_rms vs run
χ² / ndf 2.387e+04 / 53
p0 13.65 ± 0.01359
18
17
16
15
14
13
12
11
10
9
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

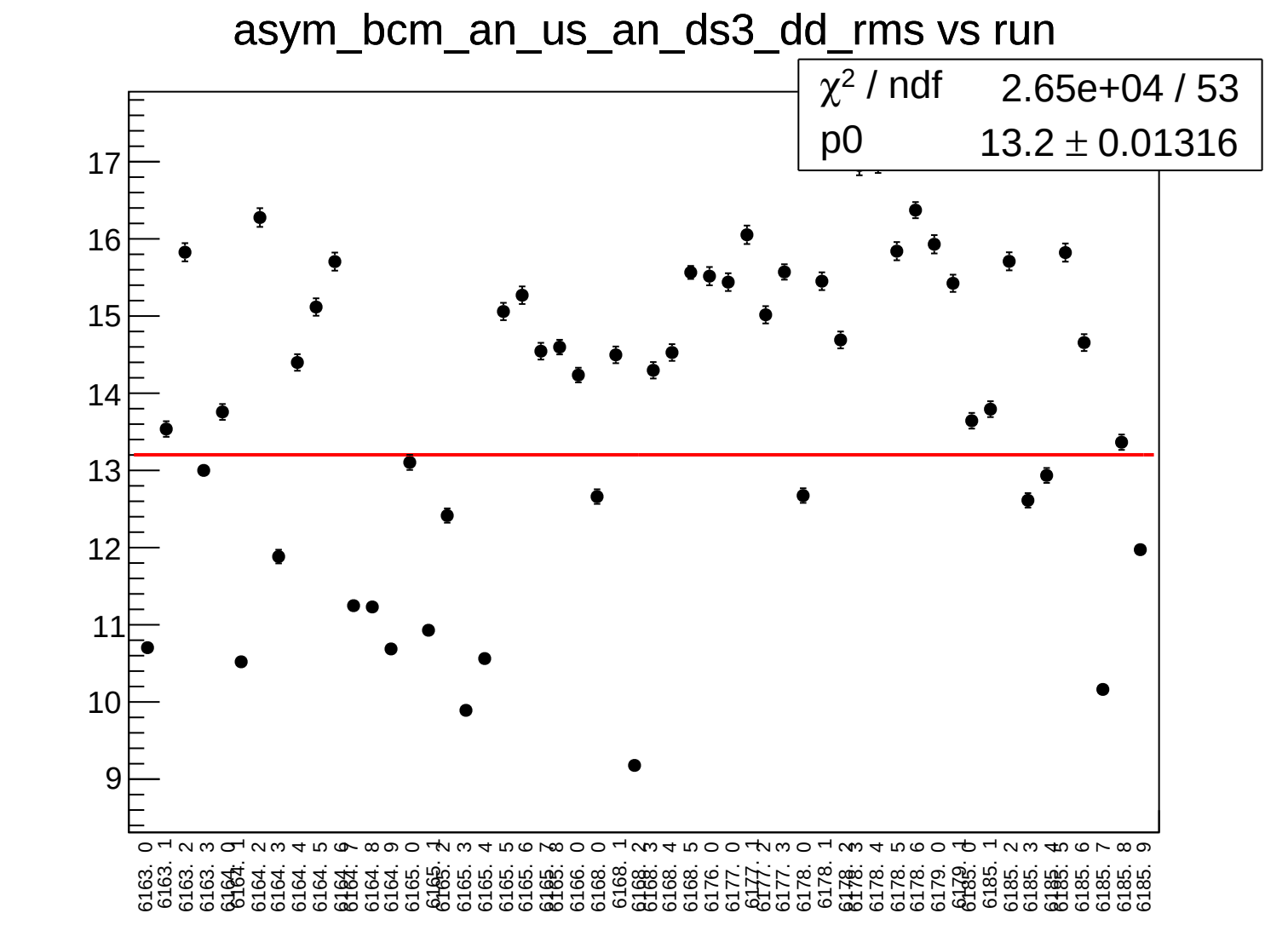

asym_bcm_an_us_an_ds3_avg_mean vs run
χ² / ndf 9.3 / 53
p0 109.2 ± 378.2
pull
Entries 54
Mean 68.86
Std Dev 0

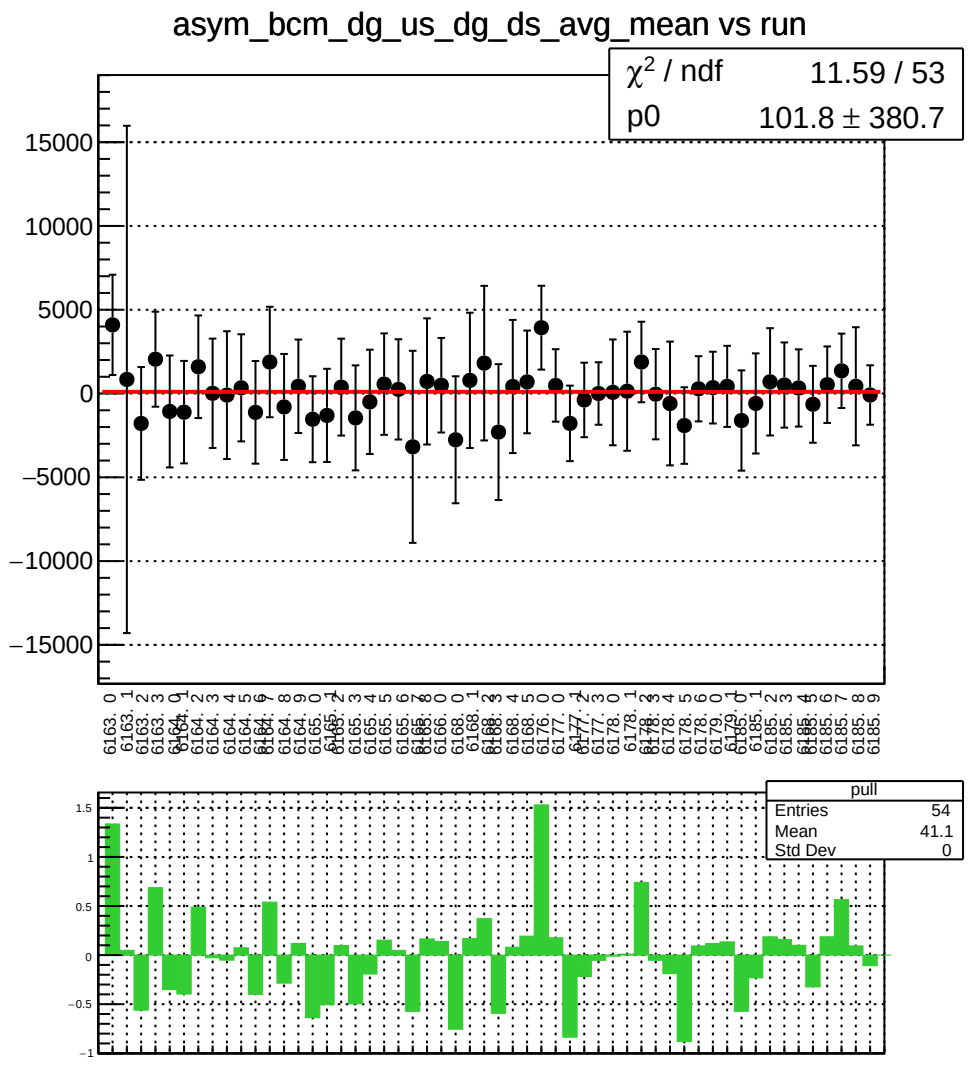

pull1D
Entries 54
Mean −0.009219
Std Dev 0.4149

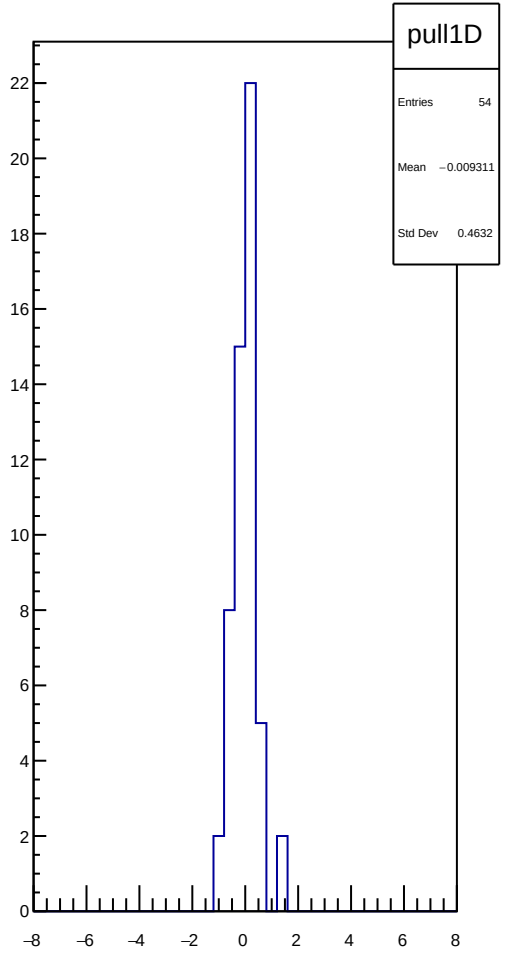

asym_bcm_an_us_an_ds3_avg_rms vs run
χ² / ndf 5.762e+04 / 53
p0 264.1 ± 0.2674
1400
1200
1000
800
600
400
200
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

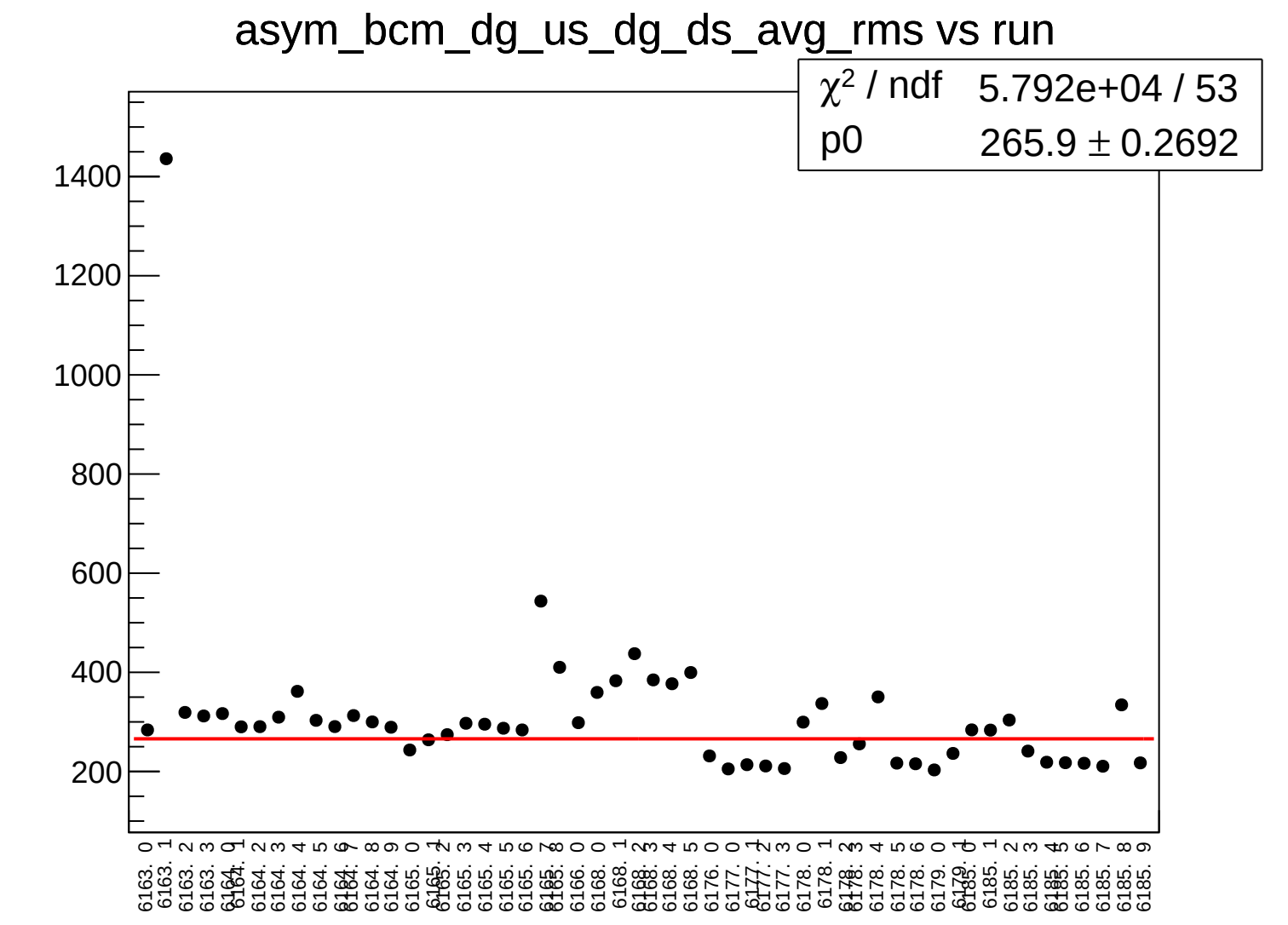

asym_bcm_an_us_an_ds3_dd_mean vs run
χ² / ndf 67.33 / 53
p0 0.3219 ± 18.61
pull
Entries 54
Mean 40.94
Std Dev 27.07

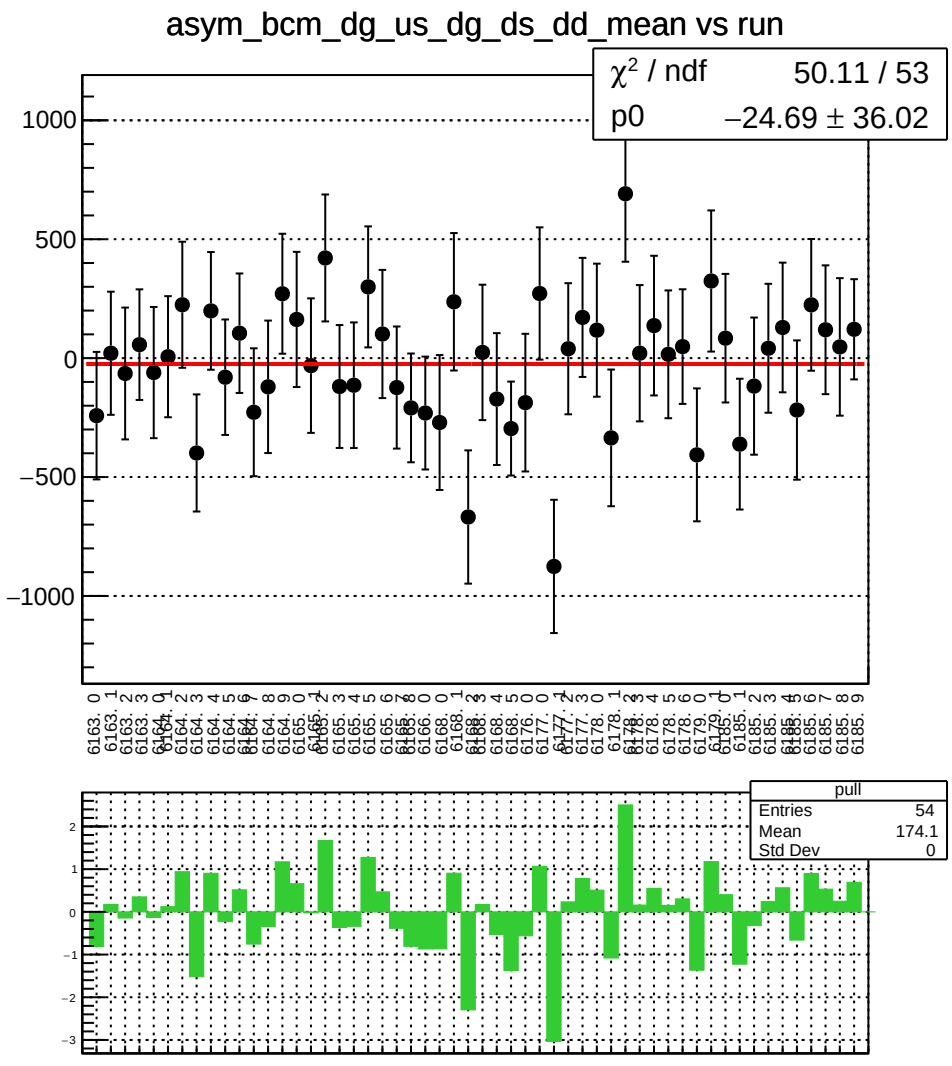

pull1D
Entries 54
Mean −0.01954
Std Dev 1.116

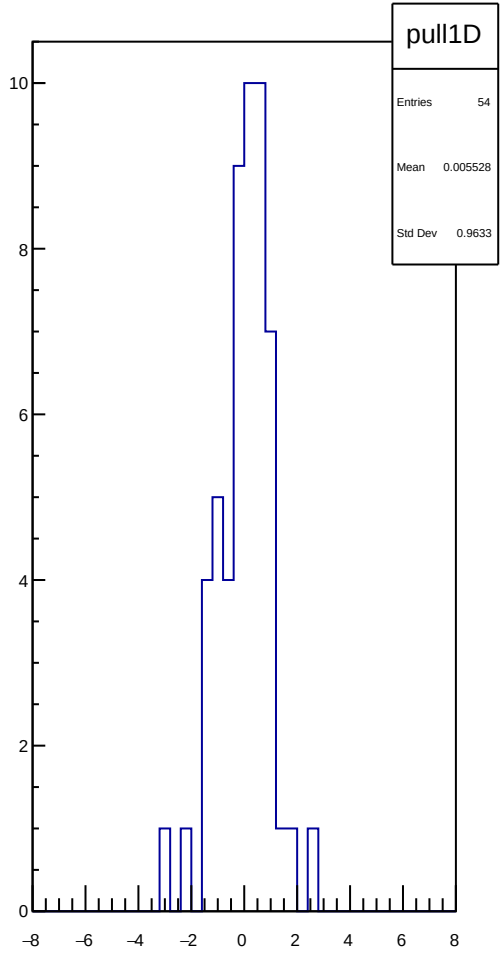

asym_bcm_an_us_an_ds3_dd_rms vs run
χ² / ndf 2.65e+04 / 53
p0 13.2 ± 0.01316
17
16
15
14
13
12
11
10
9
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

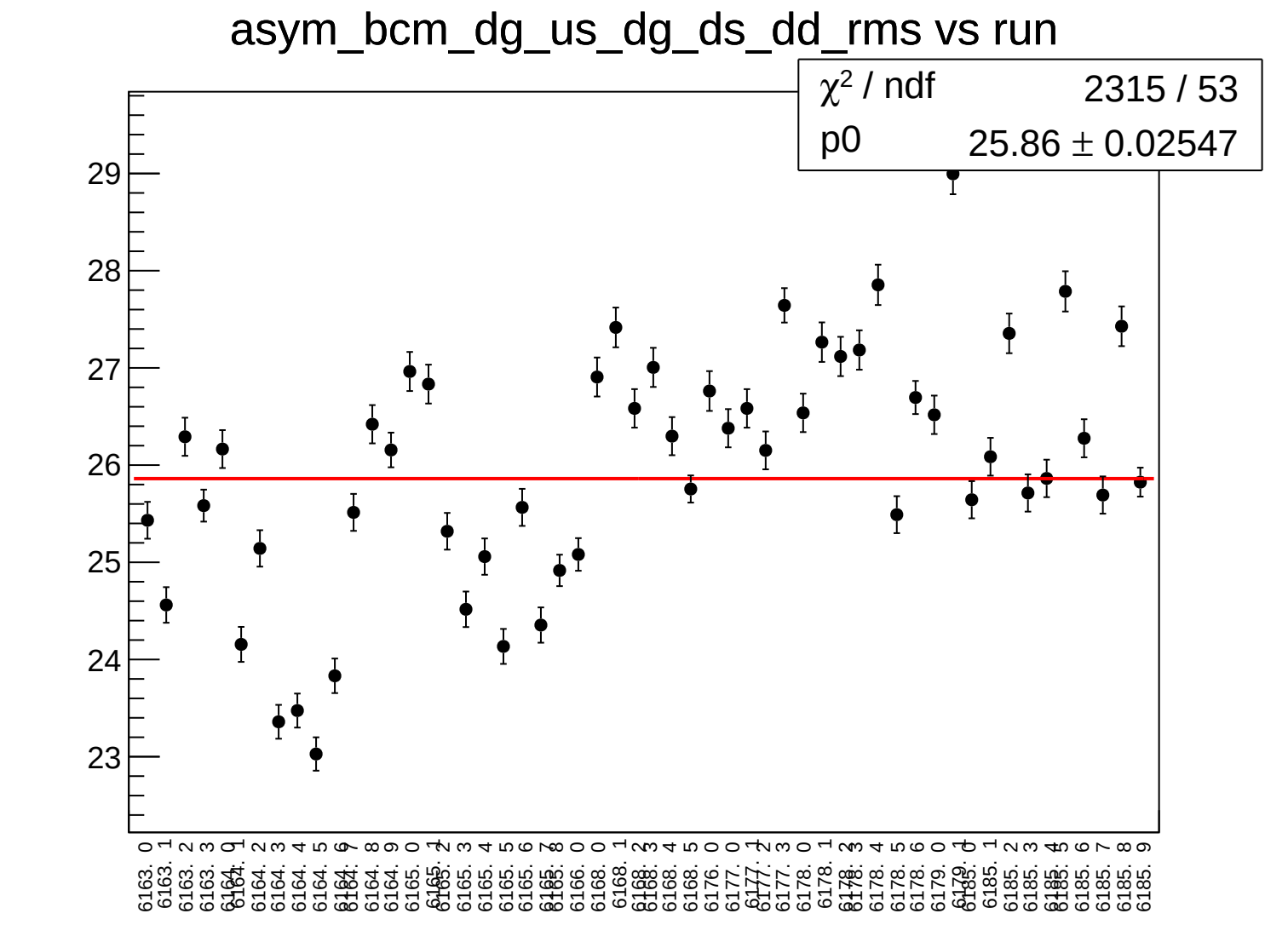

asym_bcm_dg_us_dg_ds_avg_mean vs run
χ² / ndf 11.59 / 53
p0 101.8 ± 380.7
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 54
Mean 41.1
Std Dev 0
1.5
1
0.5
0
−0.5
−1

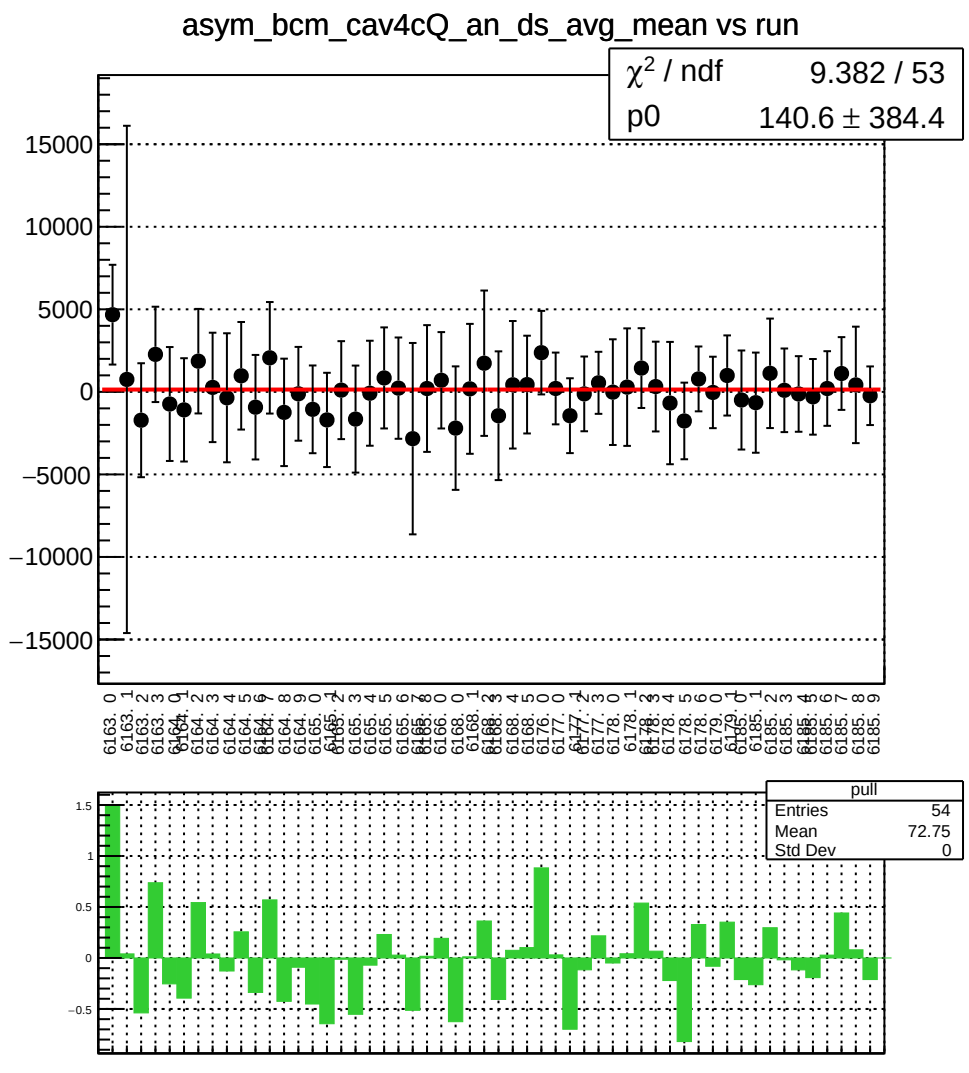

pull1D
Entries 54
Mean −0.009311
Std Dev 0.4632
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

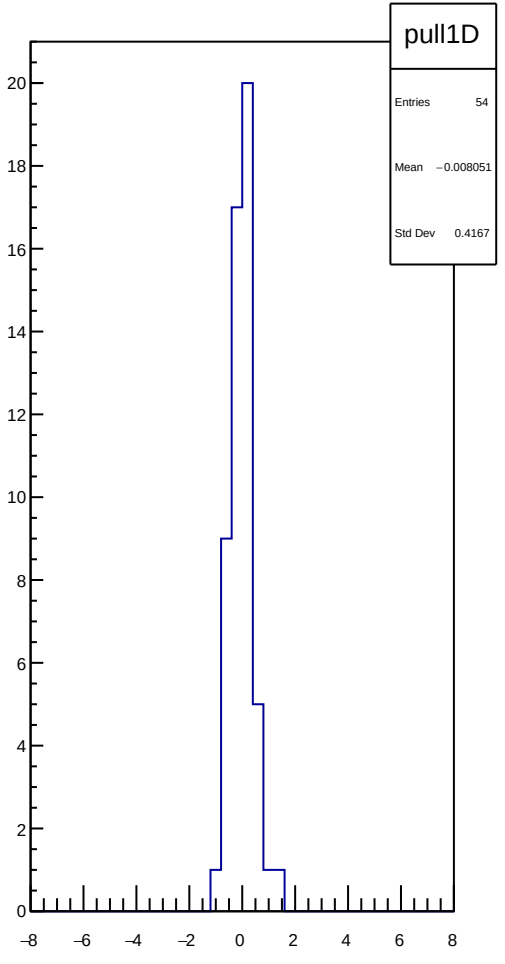

asym_bcm_dg_us_dg_ds_avg_rms vs run
χ² / ndf 5.792e+04 / 53
p0 265.9 ± 0.2692
1400
1200
1000
800
600
400
200
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

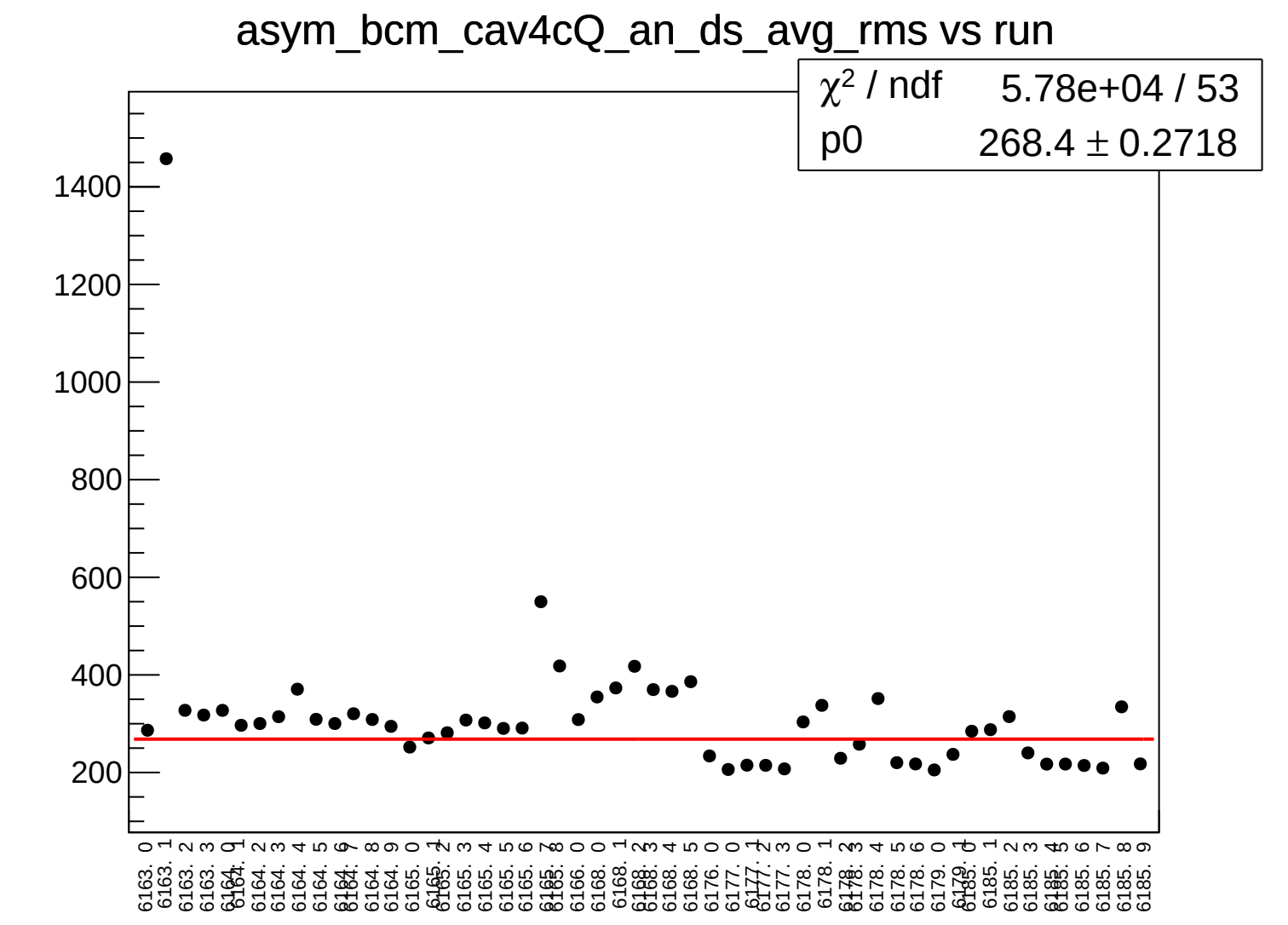

asym_bcm_dg_us_dg_ds_dd_mean vs run
χ² / ndf 50.11 / 53
p0 −24.69 ± 36.02
1000
500
0
−500
−1000
pull
Entries 54
Mean 174.1
Std Dev 0
2
1
0
−1
−2
−3

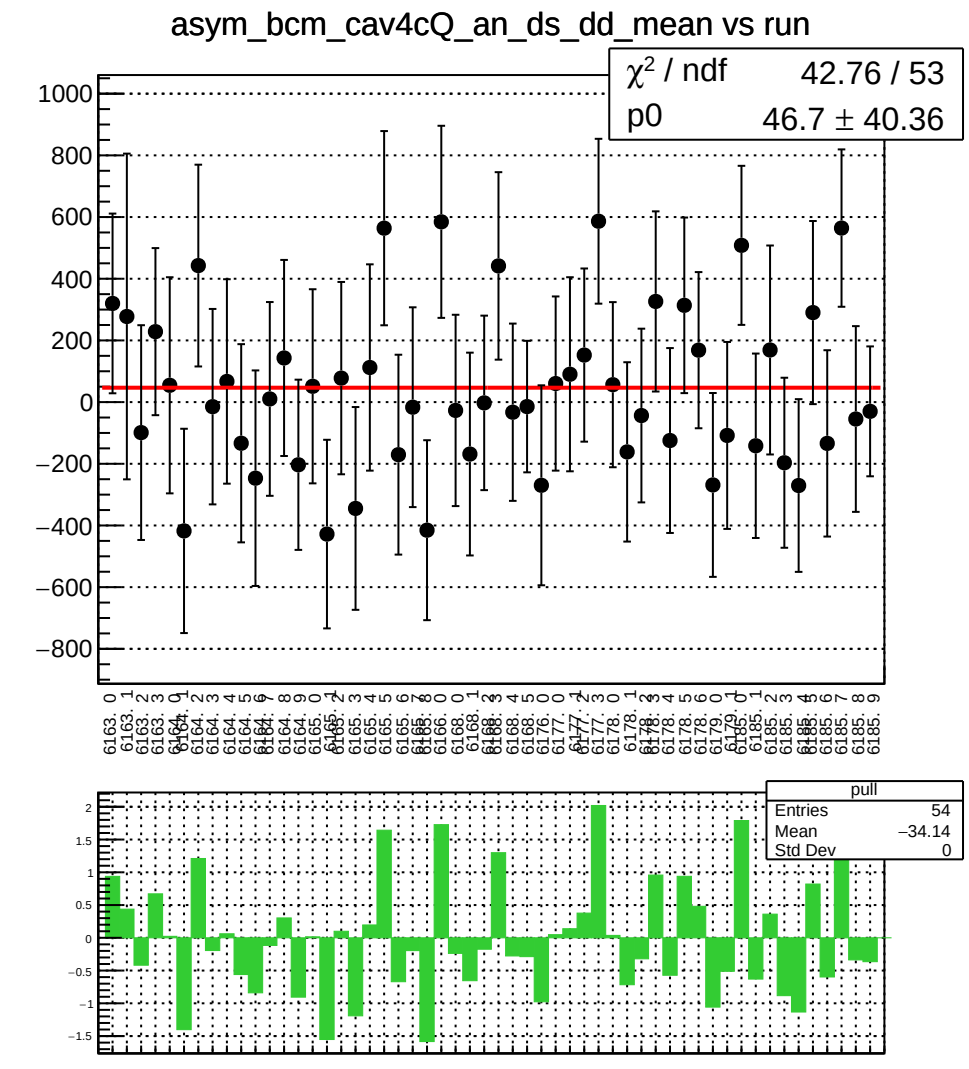

pull1D
Entries 54
Mean 0.005528
Std Dev 0.9633
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

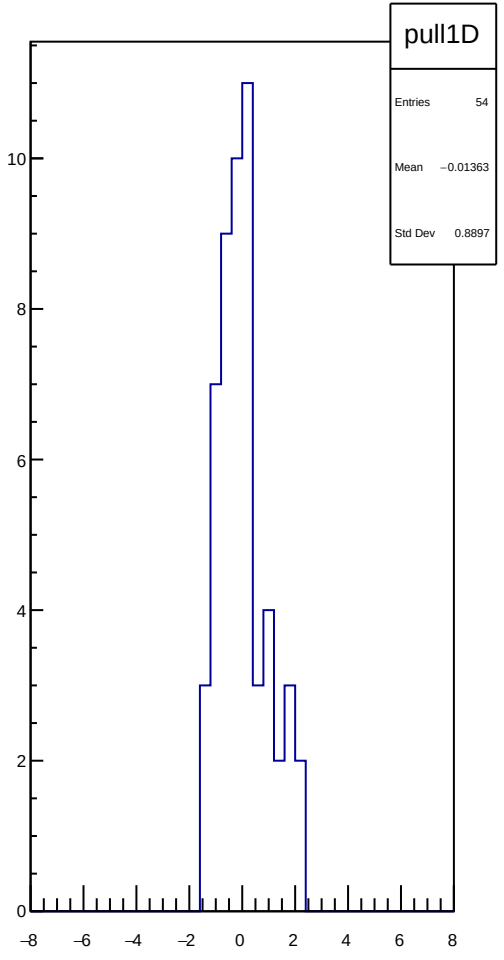

asym_bcm_dg_us_dg_ds_dd_rms vs run
χ² / ndf 2315 / 53
p0 25.86 ± 0.02547
29
28
27
26
25
24
23
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

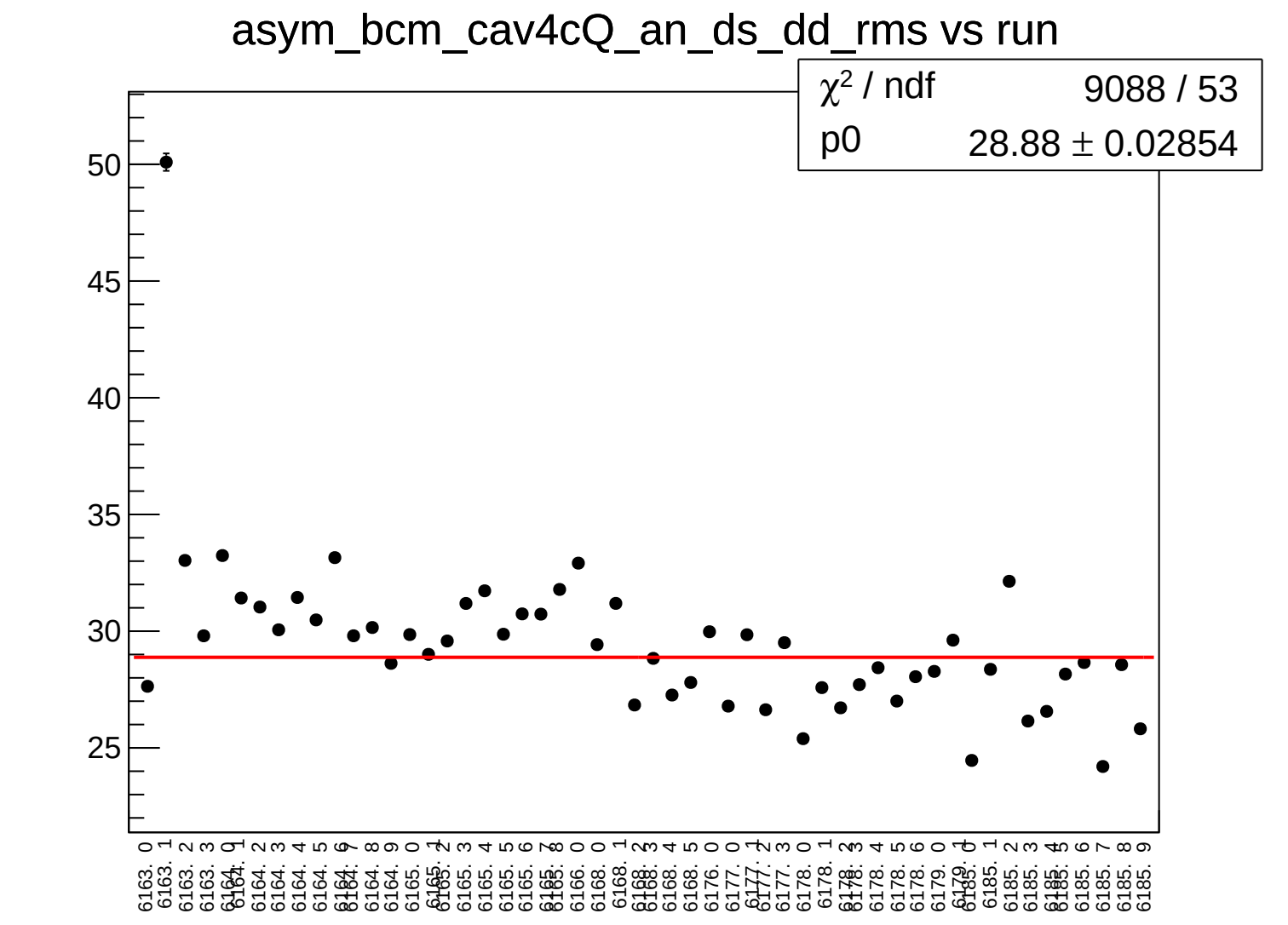

asym_bcm_cav4cQ_an_ds_avg_mean vs run
χ² / ndf 9.382 / 53
p0 140.6 ± 384.4
pull
Entries 54
Mean 72.75
Std Dev 0

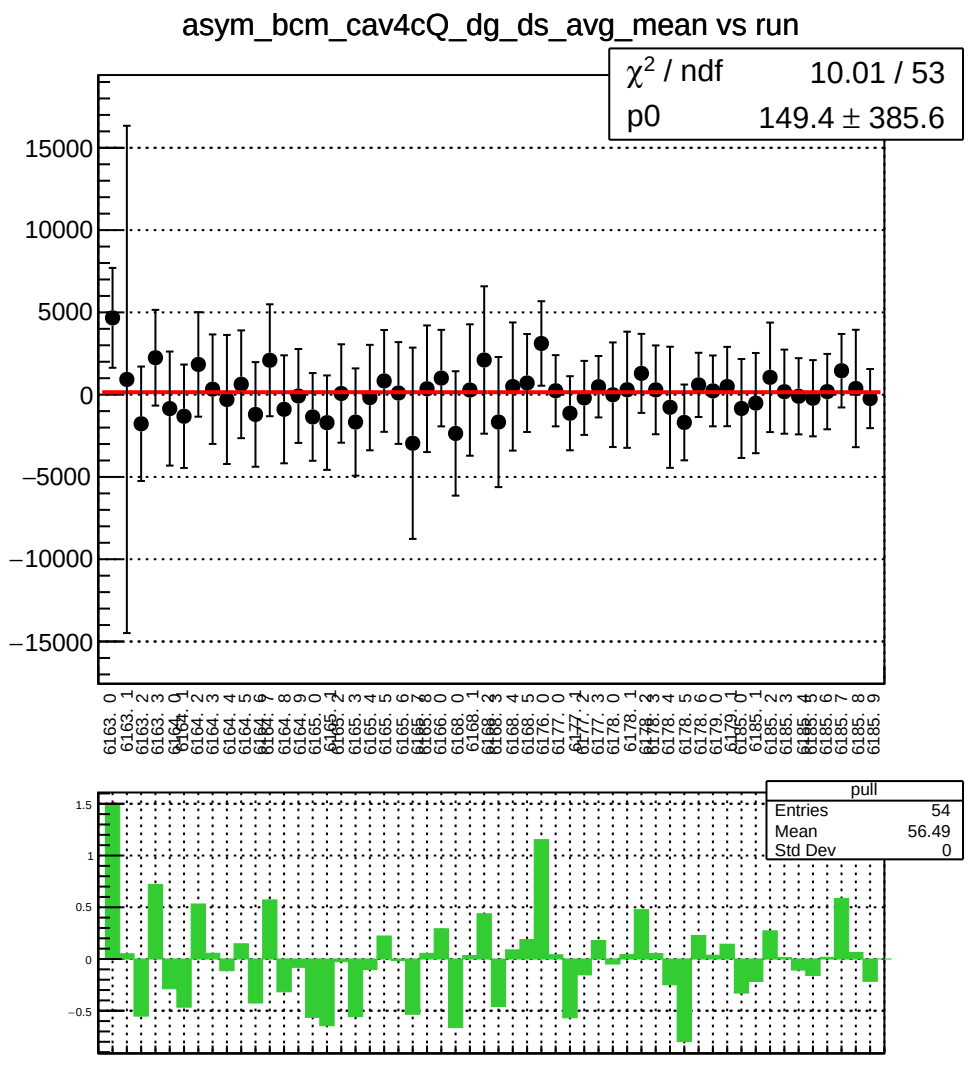

pull1D
Entries 54
Mean −0.008051
Std Dev 0.4167

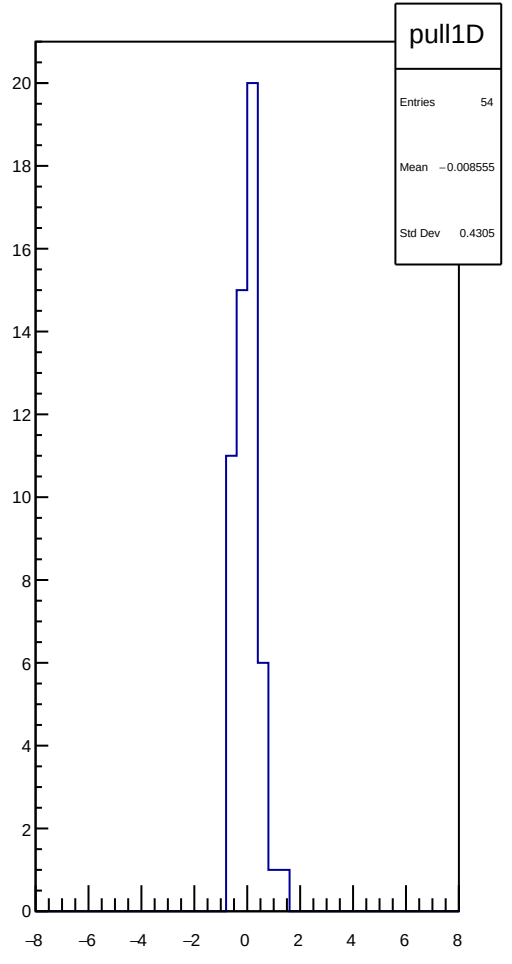

asym_bcm_cav4cQ_an_ds_avg_rms vs run
χ² / ndf 5.78e+04 / 53
p0 268.4 ± 0.2718
1400
1200
1000
800
600
400
200
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

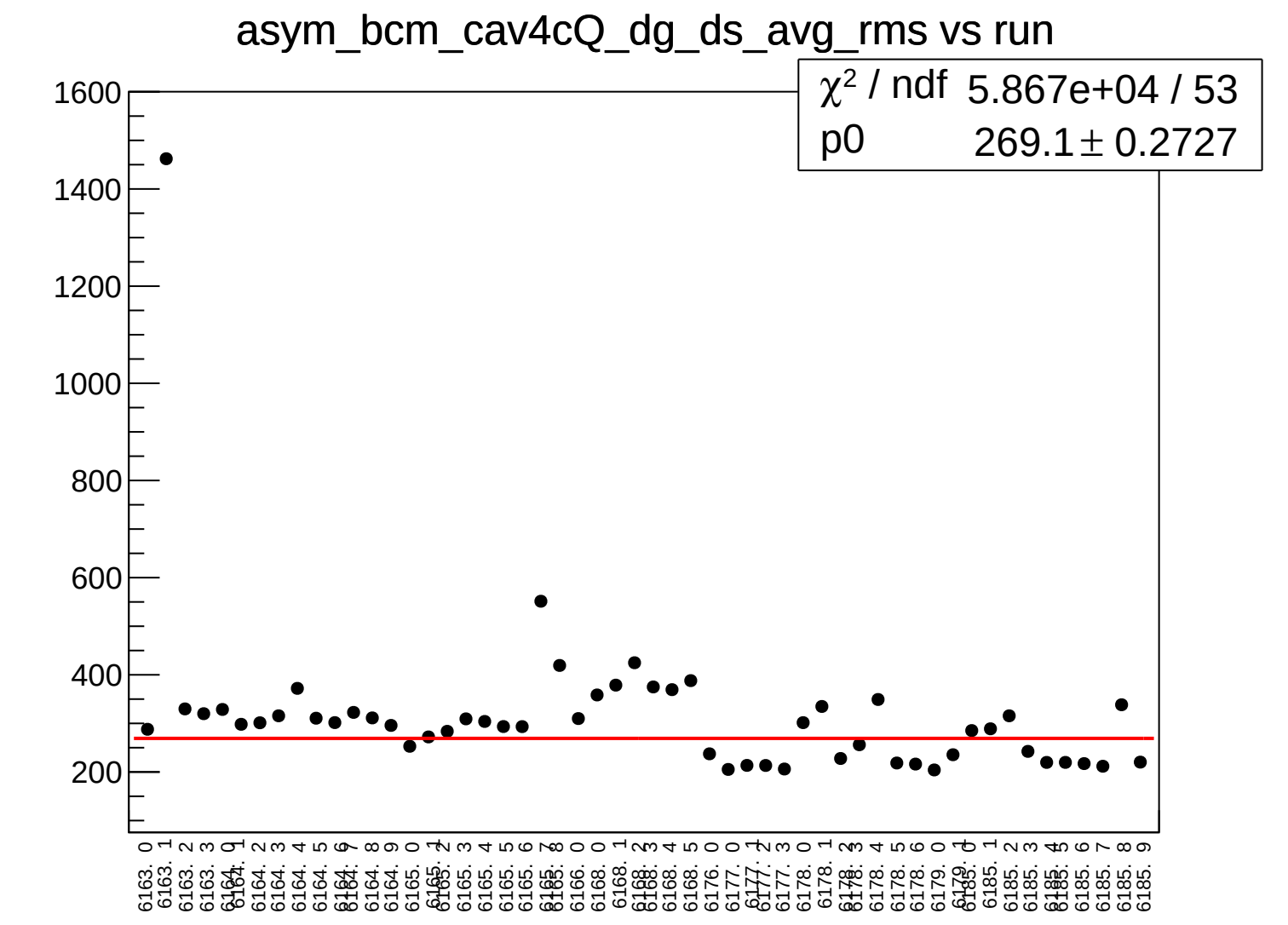

asym_bcm_cav4cQ_an_ds_dd_mean vs run
χ² / ndf 42.76 / 53
p0 46.7 ± 40.36
pull
Entries 54
Mean −34.14
Std Dev 0

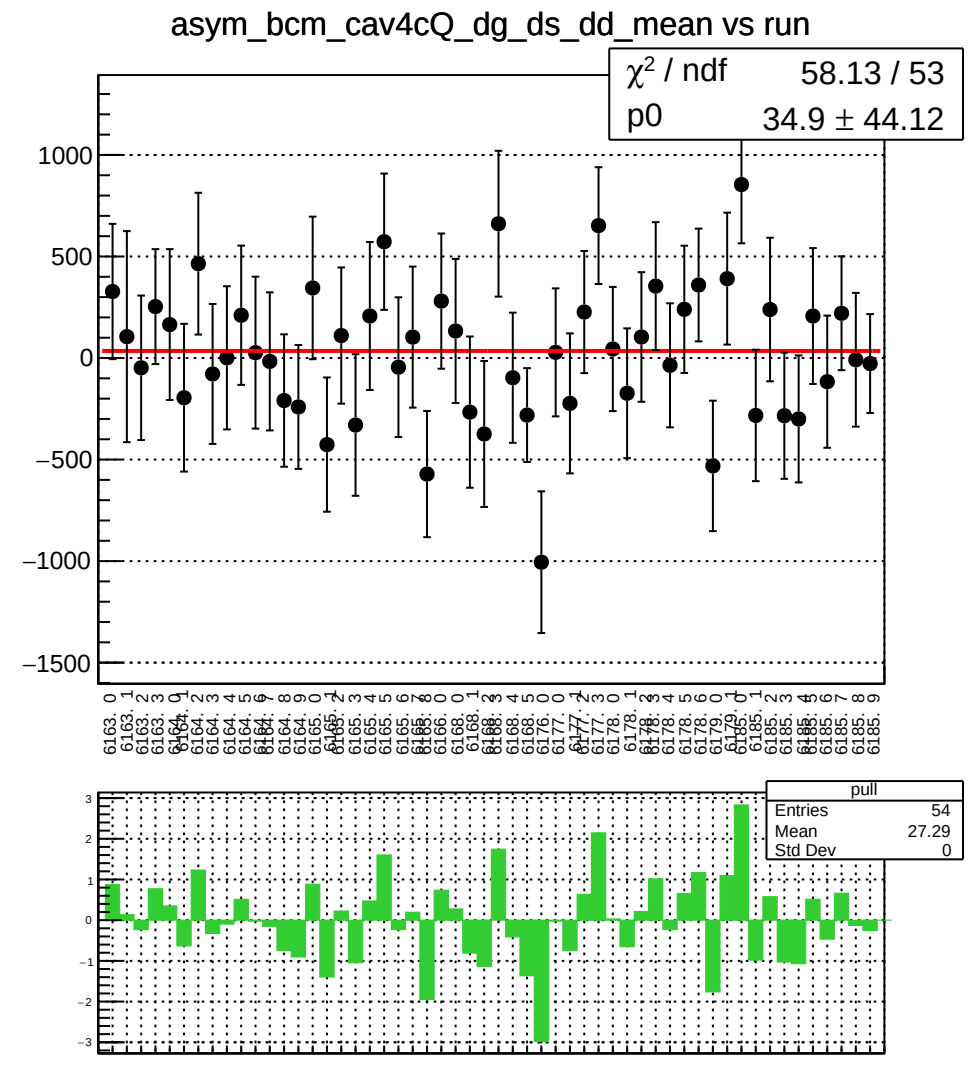

pull1D
Entries 54
Mean −0.01363
Std Dev 0.8897

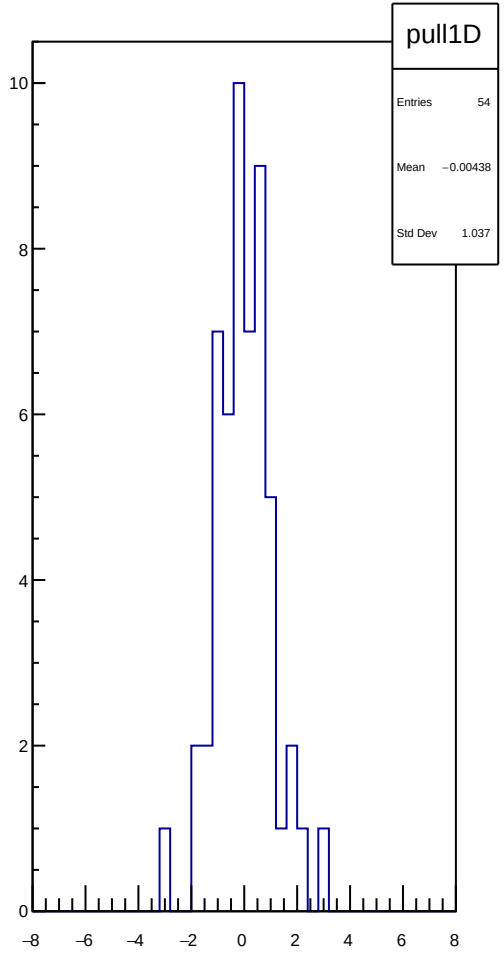

asym_bcm_cav4cQ_an_ds_dd_rms vs run
χ² / ndf 9088 / 53
p0 28.88 ± 0.02854
50
45
40
35
30
25
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 2
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

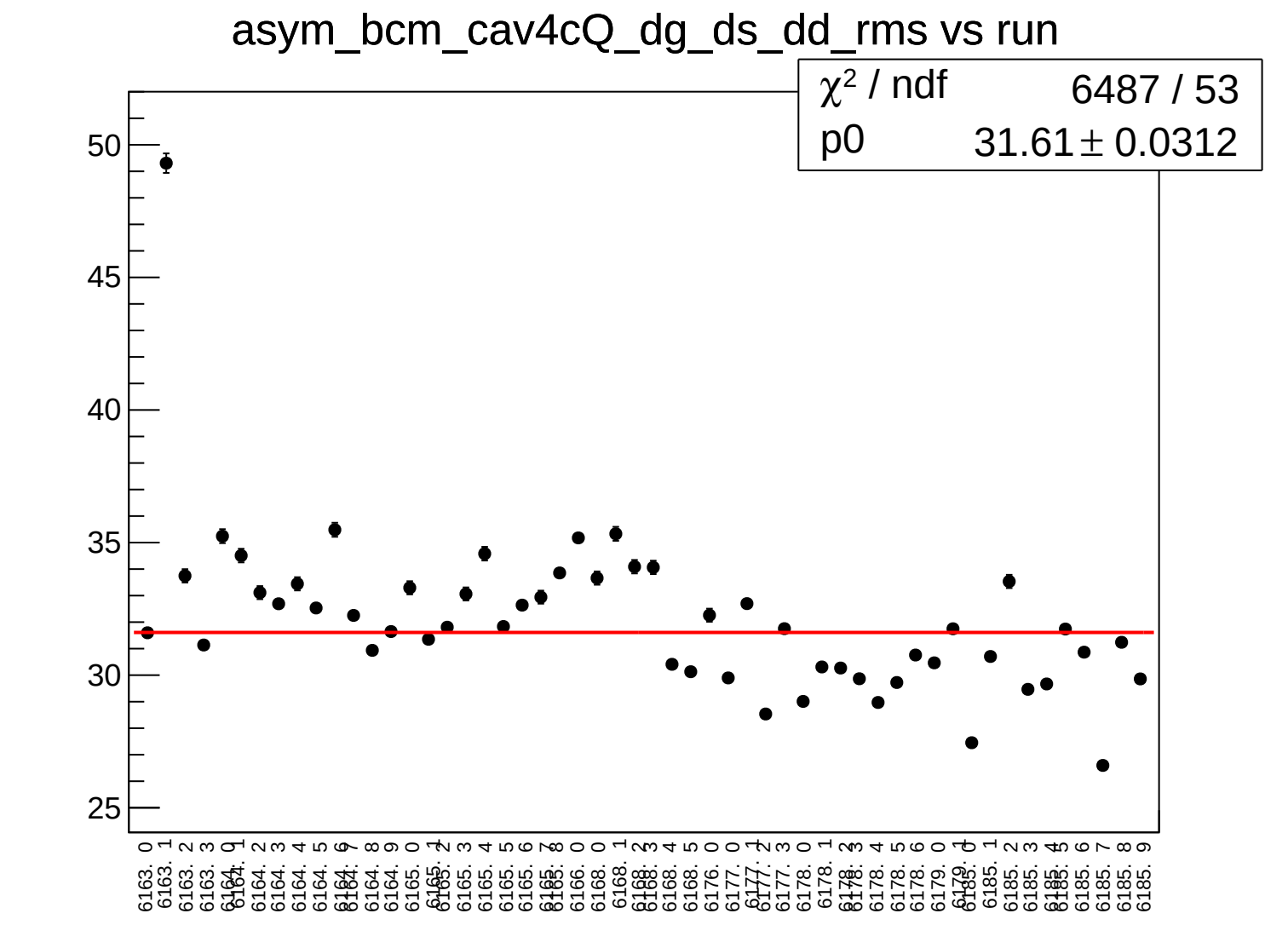

asym_bcm_cav4cQ_dg_ds_avg_mean vs run
χ² / ndf 10.01 / 53
p0 149.4 ± 385.6
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 54
Mean 56.49
Std Dev 0
1.5
1
0.5
0
−0.5

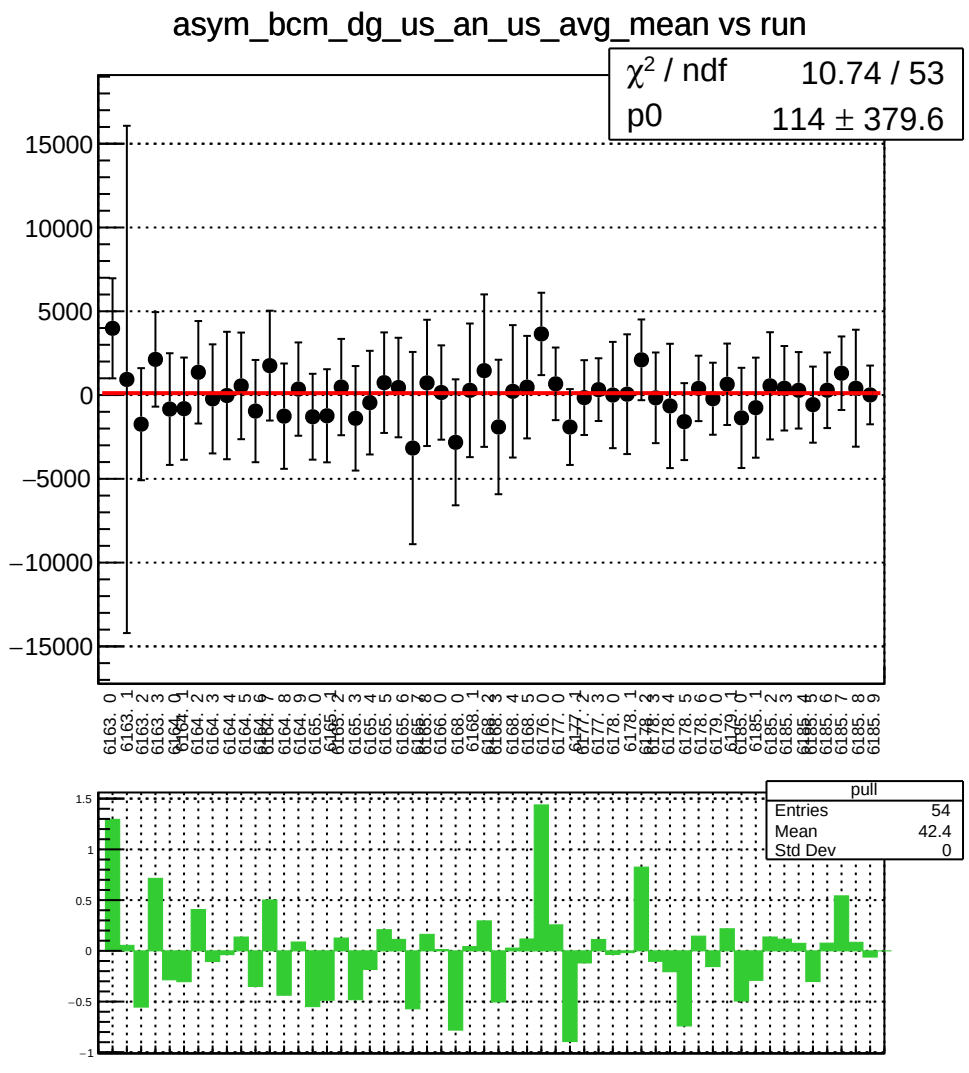

pull1D
Entries 54
Mean −0.008555
Std Dev 0.4305
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

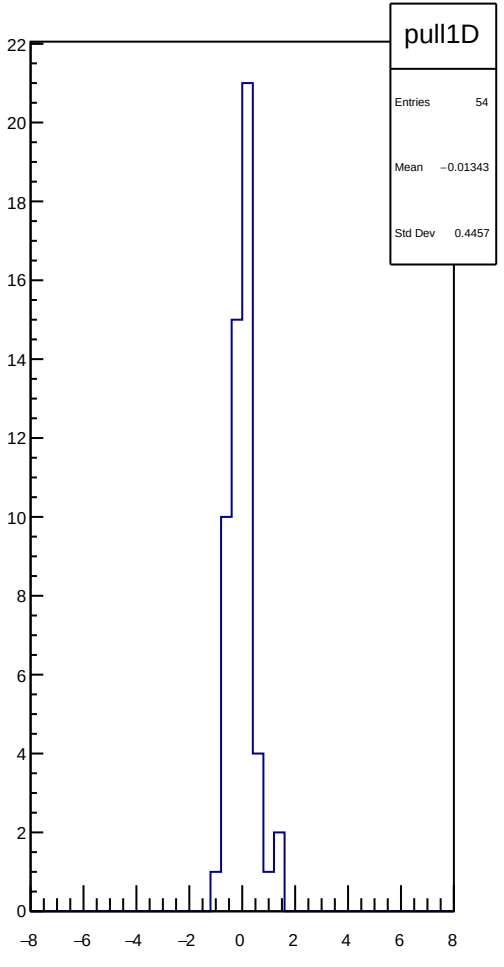

asym_bcm_cav4cQ_dg_ds_avg_rms vs run
χ² / ndf 5.867e+04 / 53
p0 269.1 ± 0.2727
1600
1400
1200
1000
800
600
400
200
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

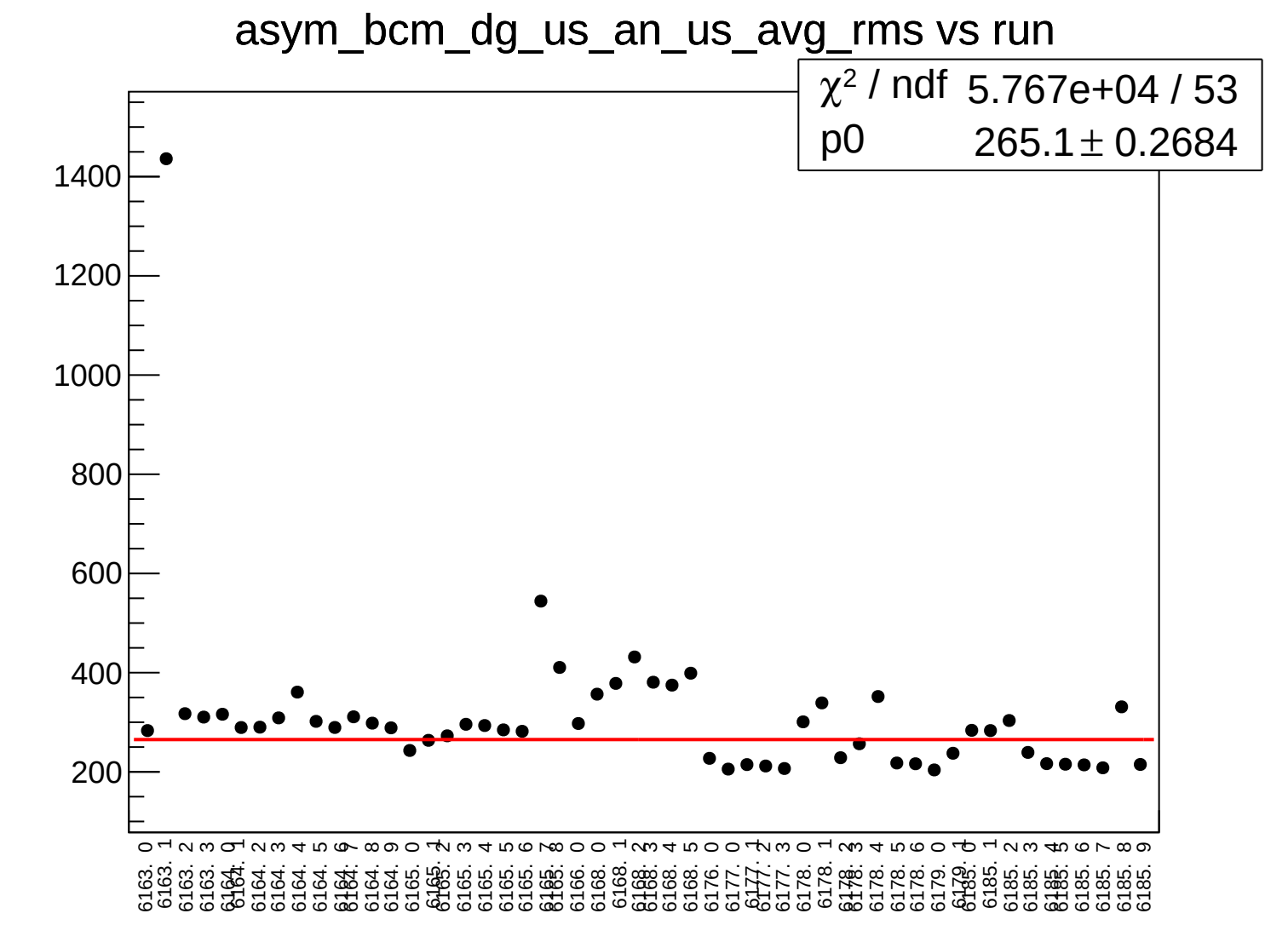

asym_bcm_cav4cQ_dg_ds_dd_mean vs run
χ² / ndf 58.13 / 53
p0 34.9 ± 44.12
1000
500
0
−500
−1000
−1500
pull
Entries 54
Mean 27.29
Std Dev 0
3
2
1
0
−1
−2
−3

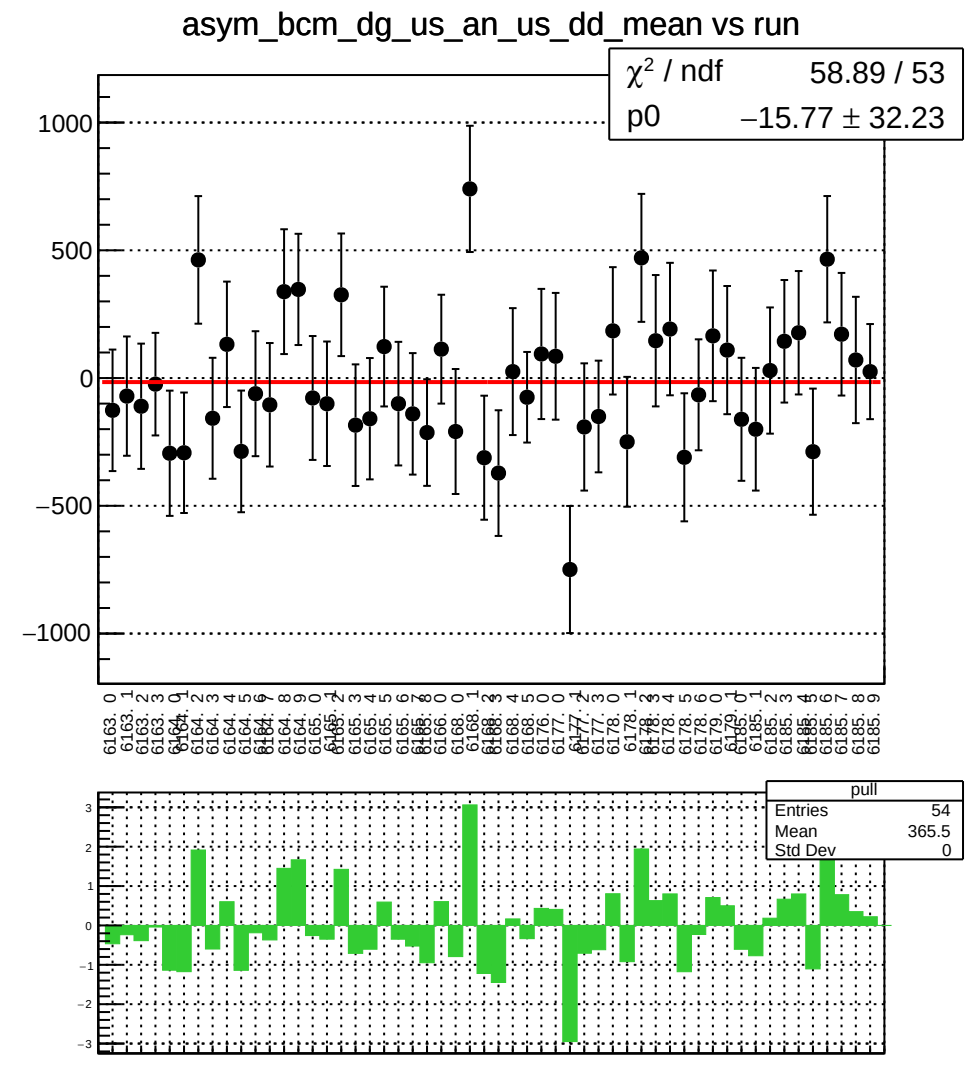

pull1D
Entries 54
Mean −0.00438
Std Dev 1.037
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

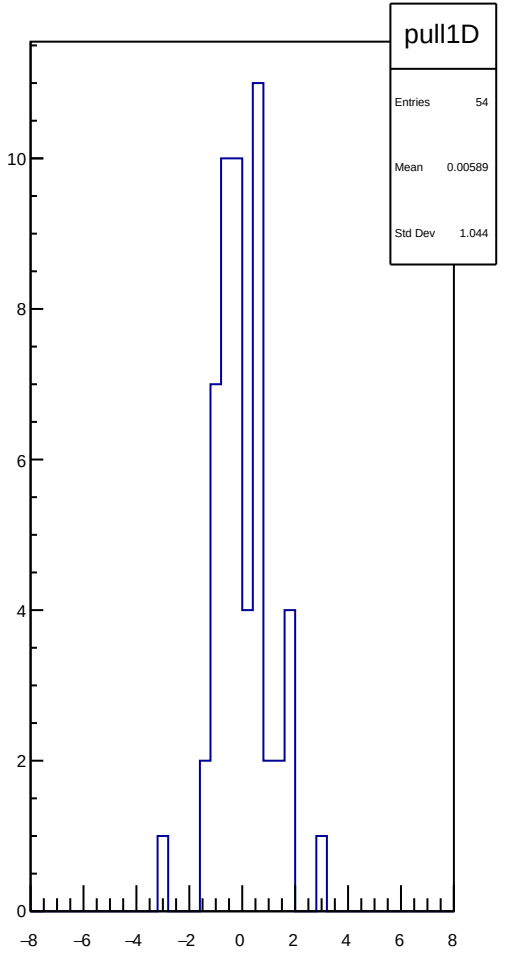

asym_bcm_cav4cQ_dg_ds_dd_rms vs run
χ² / ndf 6487 / 53
p0 31.61 ± 0.0312
50
45
40
35
30
25
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

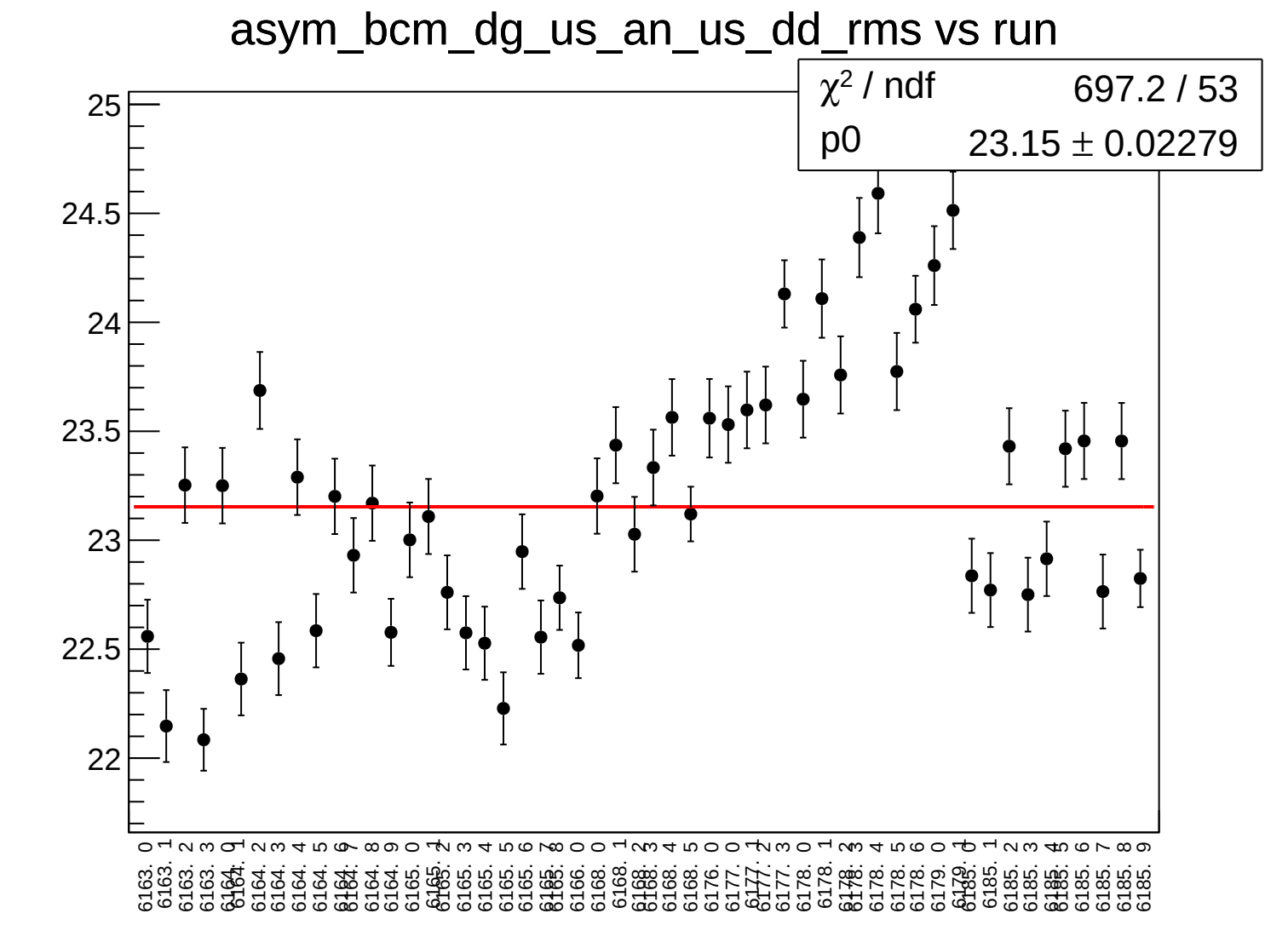

asym_bcm_dg_us_an_us_avg_mean vs run
χ² / ndf 10.74 / 53
p0 114 ± 379.6
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 54
Mean 42.4
Std Dev 0
1.5
1
0.5
0
−0.5
−1

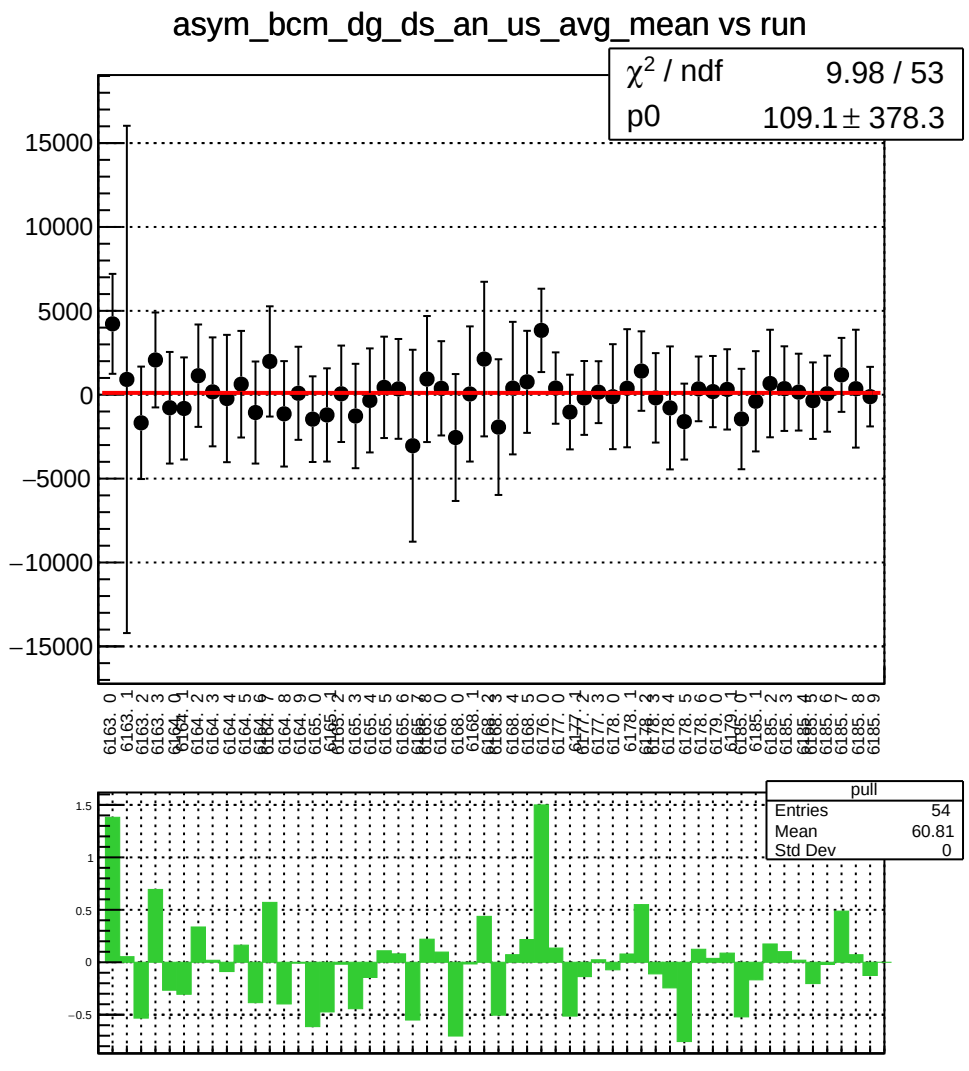

pull1D
Entries 54
Mean −0.01343
Std Dev 0.4457
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

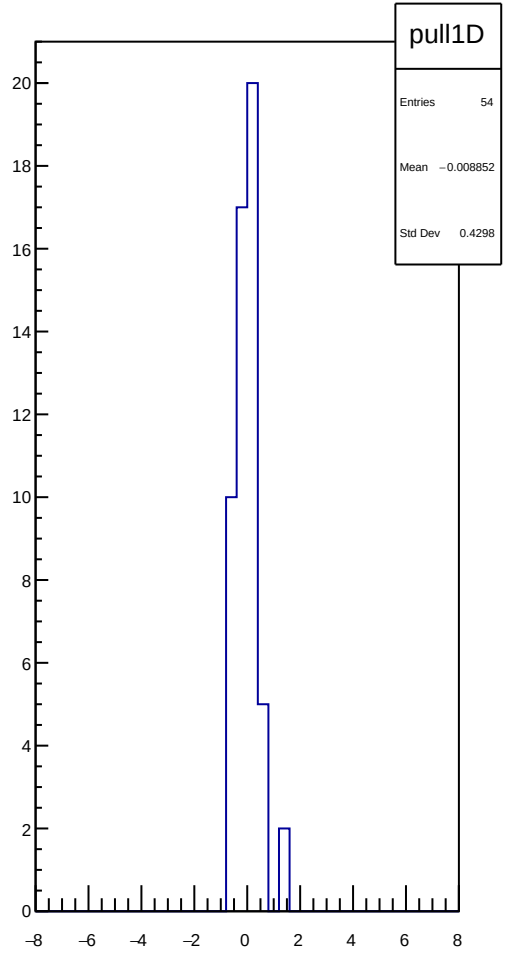

asym_bcm_dg_us_an_us_avg_rms vs run
χ² / ndf 5.767e+04 / 53
p0 265.1 ± 0.2684
1400
1200
1000
800
600
400
200
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

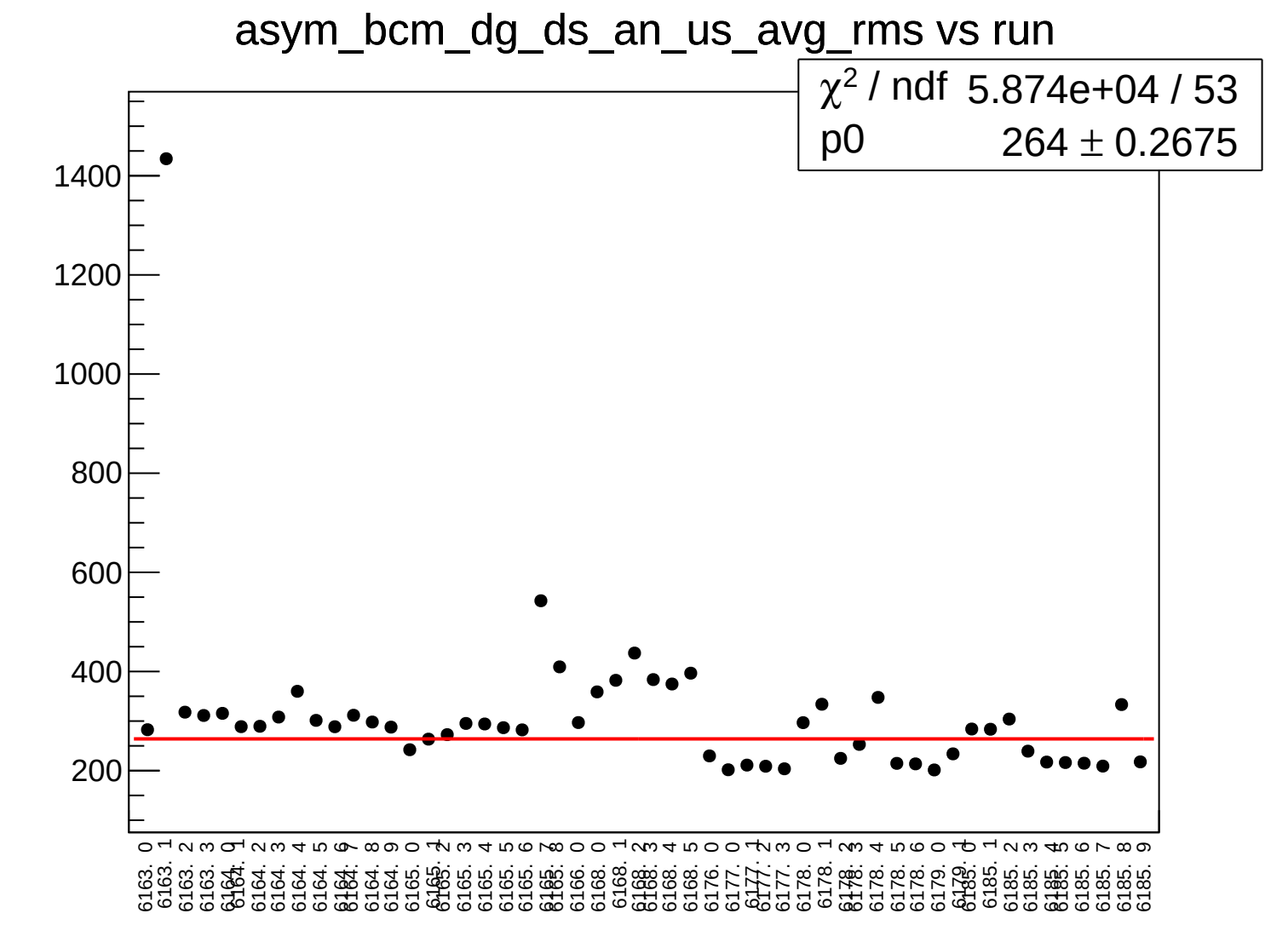

asym_bcm_dg_us_an_us_dd_mean vs run
χ² / ndf 58.89 / 53
p0 −15.77 ± 32.23
1000
500
0
−500
−1000
pull
Entries 54
Mean 365.5
Std Dev 0
3
2
1
0
−1
−2
−3

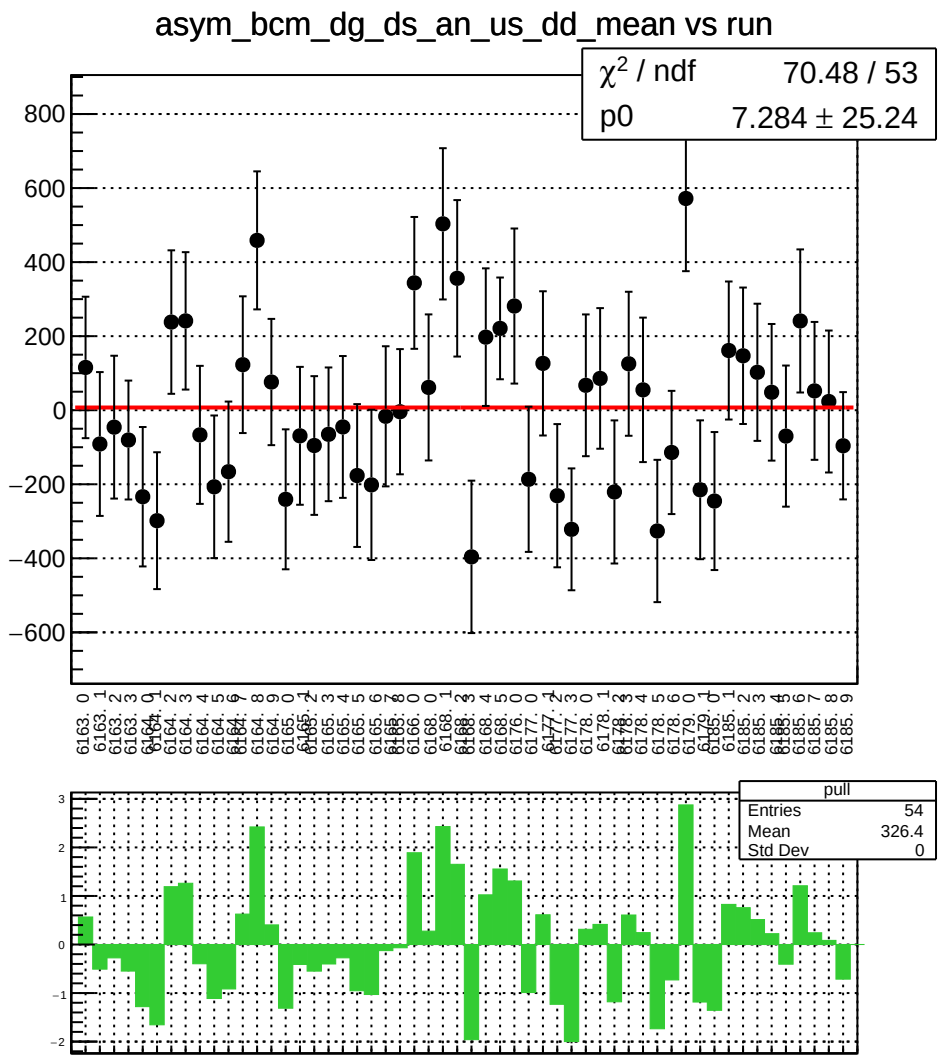

pull1D
Entries 54
Mean 0.00589
Std Dev 1.044
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

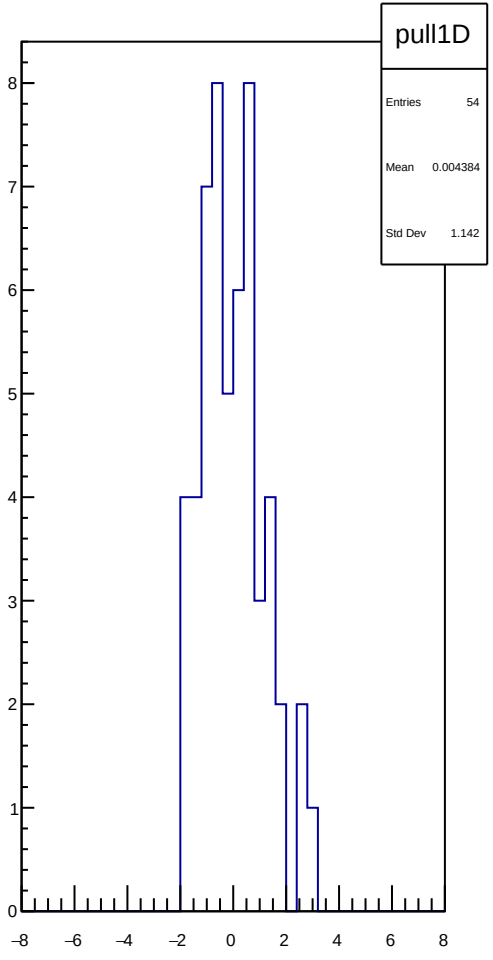

asym_bcm_dg_us_an_us_dd_rms vs run
χ² / ndf 697.2 / 53
p0 23.15 ± 0.02279
25
24.5
24
23.5
23
22.5
22
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

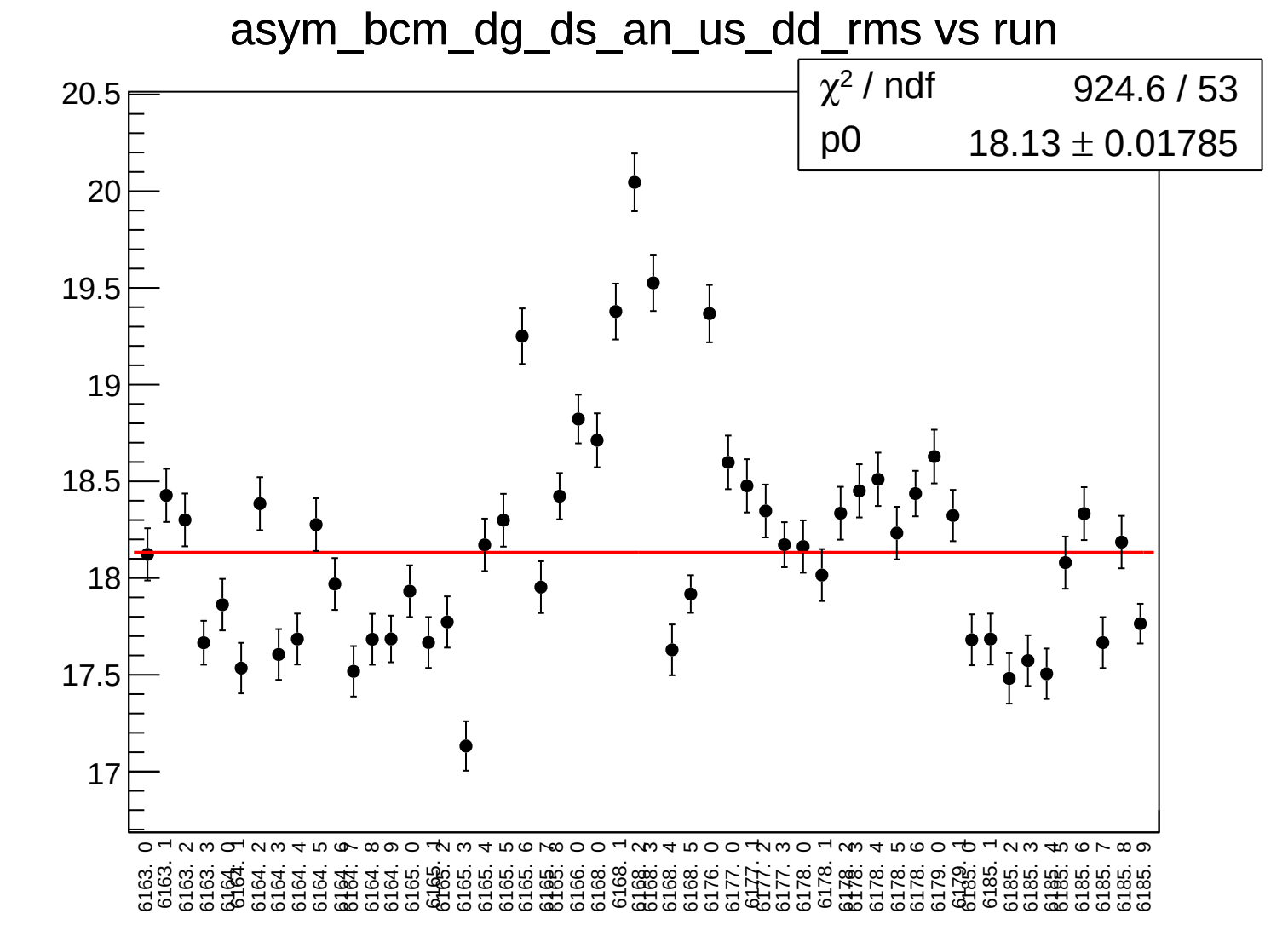

asym_bcm_dg_ds_an_us_avg_mean vs run
χ² / ndf 9.98 / 53
p0 109.1 ± 378.3
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 54
Mean 60.81
Std Dev 0
1.5
1
0.5
0
−0.5

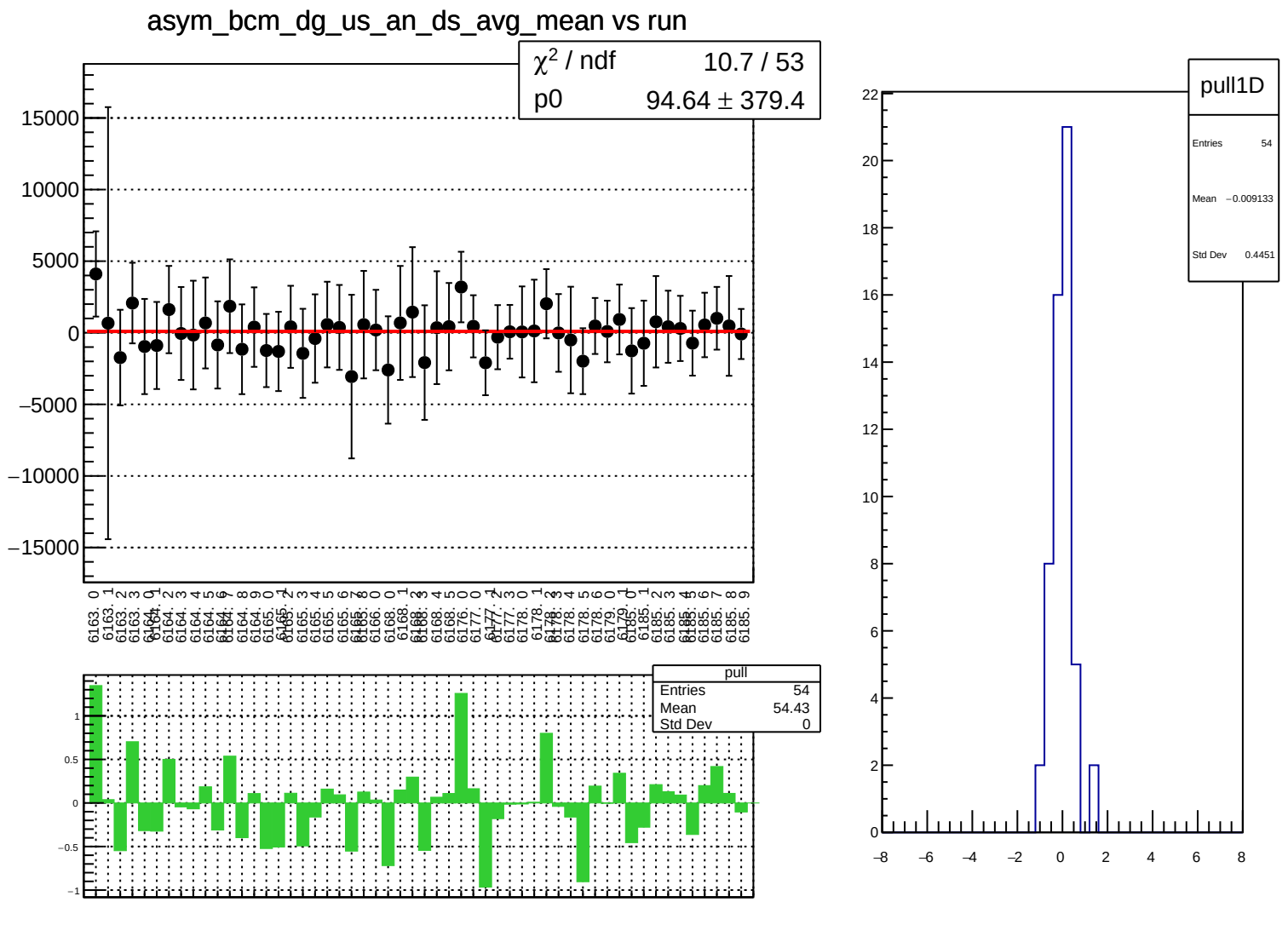

pull1D
Entries 54
Mean −0.008852
Std Dev 0.4298
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

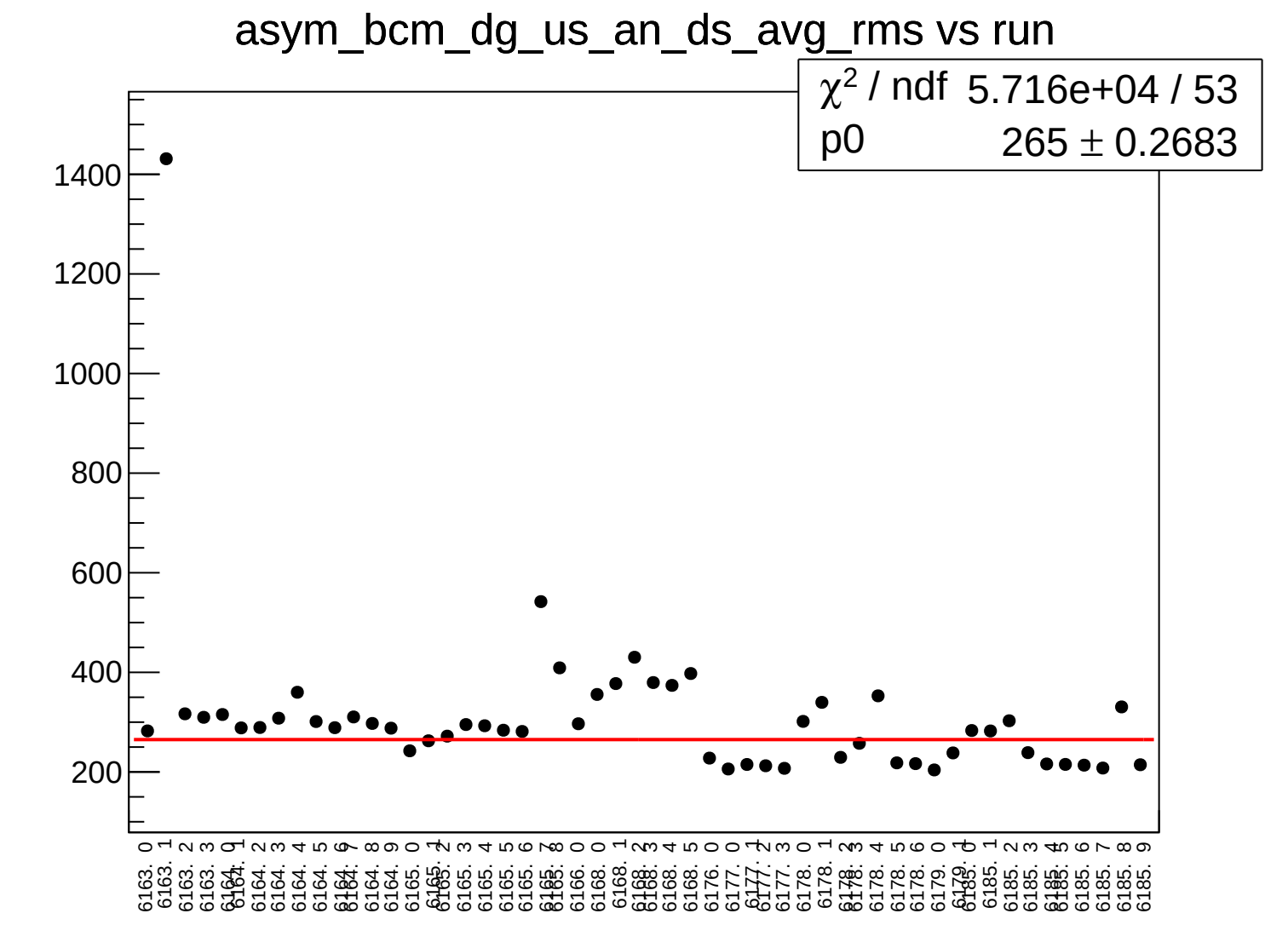

asym_bcm_dg_ds_an_us_avg_rms vs run
χ² / ndf 5.874e+04 / 53
p0 264 ± 0.2675
1400
1200
1000
800
600
400
200
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

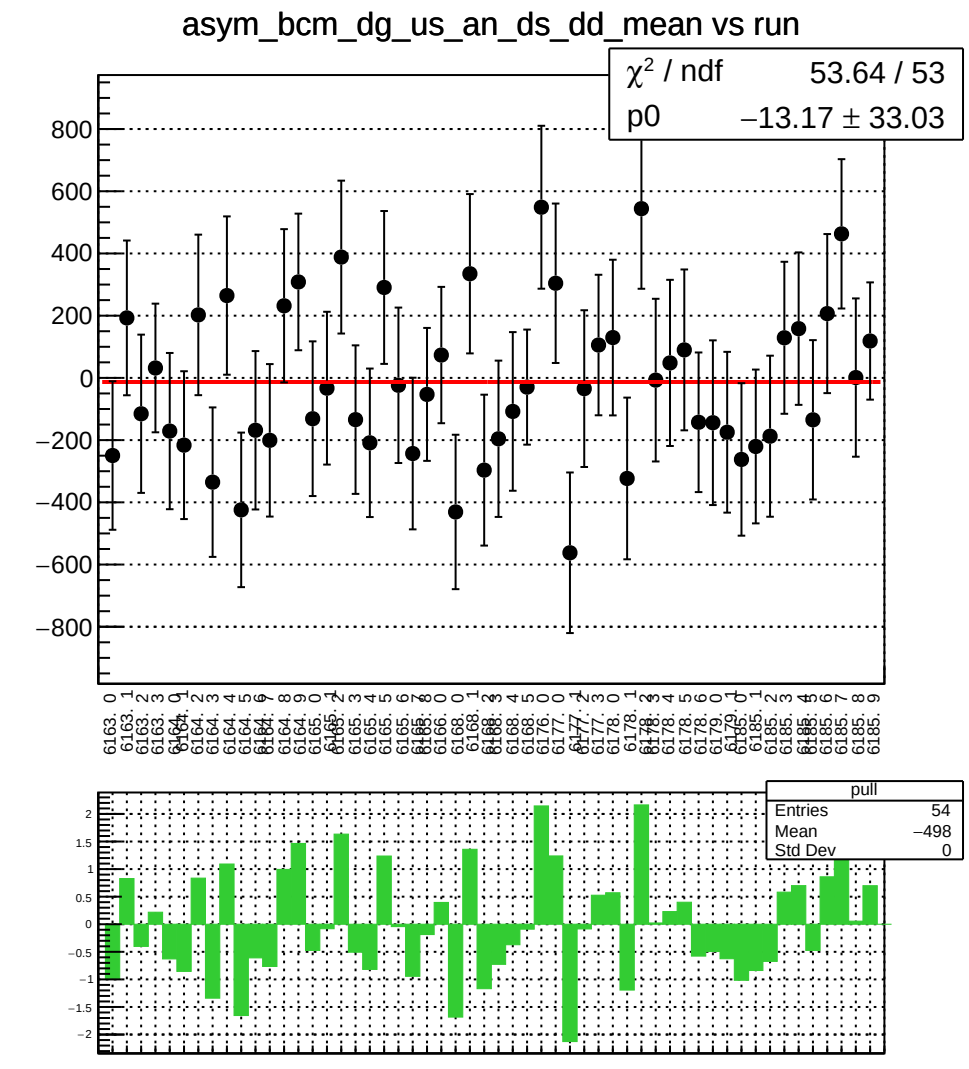

asym_bcm_dg_ds_an_us_dd_mean vs run
χ² / ndf 70.48 / 53
p0 7.284 ± 25.24
pull
Entries 54
Mean 326.4
Std Dev 0

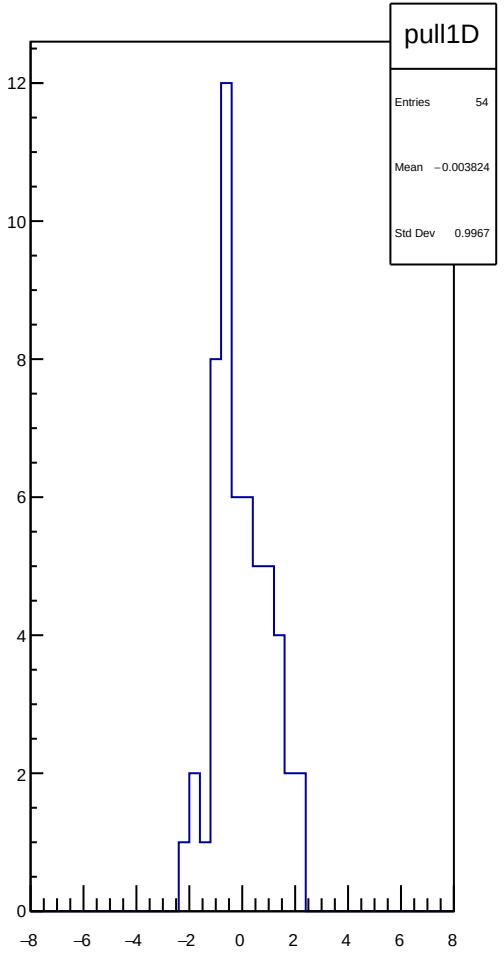

pull1D
Entries 54
Mean 0.004384
Std Dev 1.142

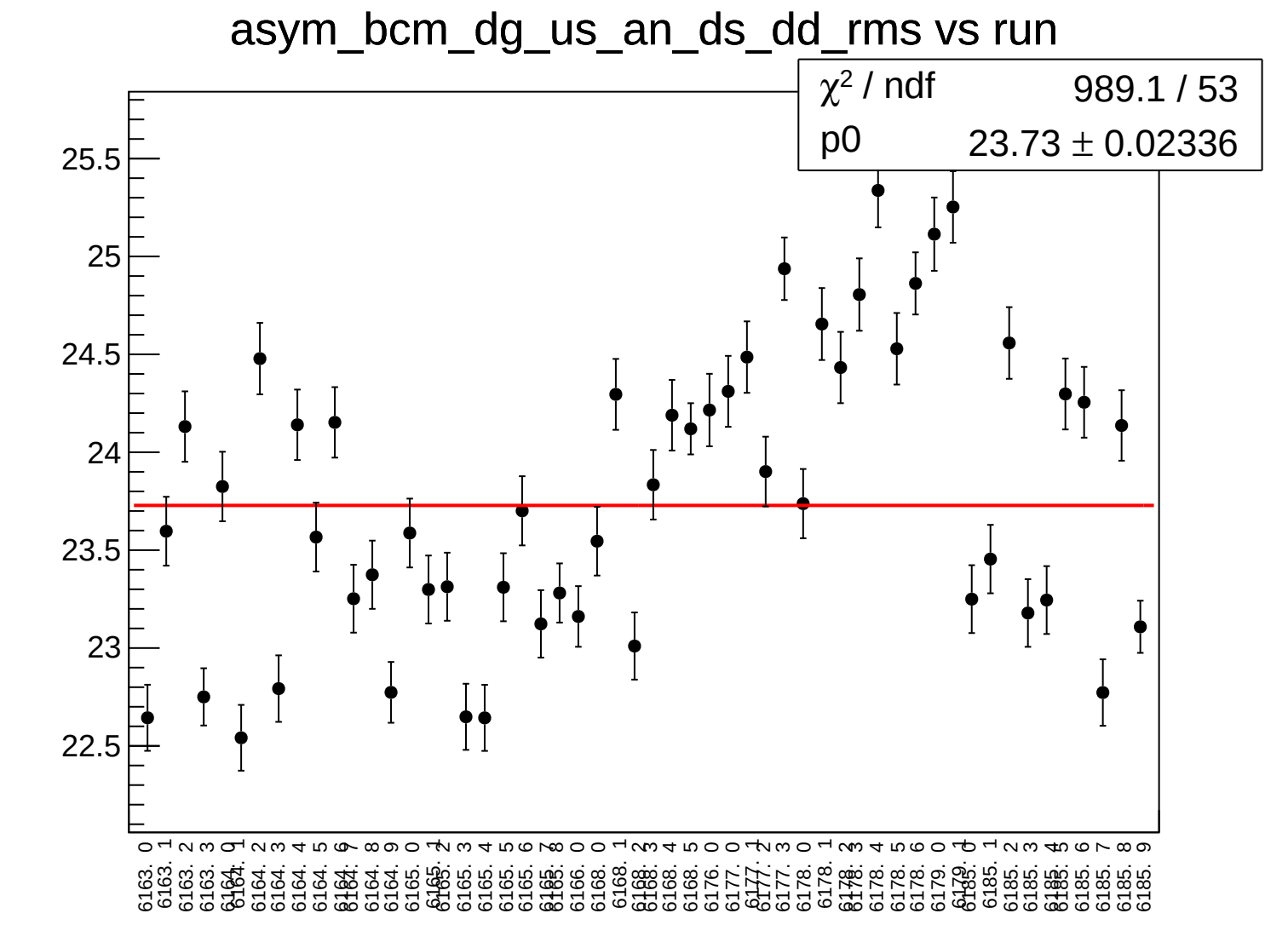

asym_bcm_dg_ds_an_us_dd_rms vs run
χ² / ndf 924.6 / 53
p0 18.13 ± 0.01785
20.5
20
19.5
19
18.5
18
17.5
17
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

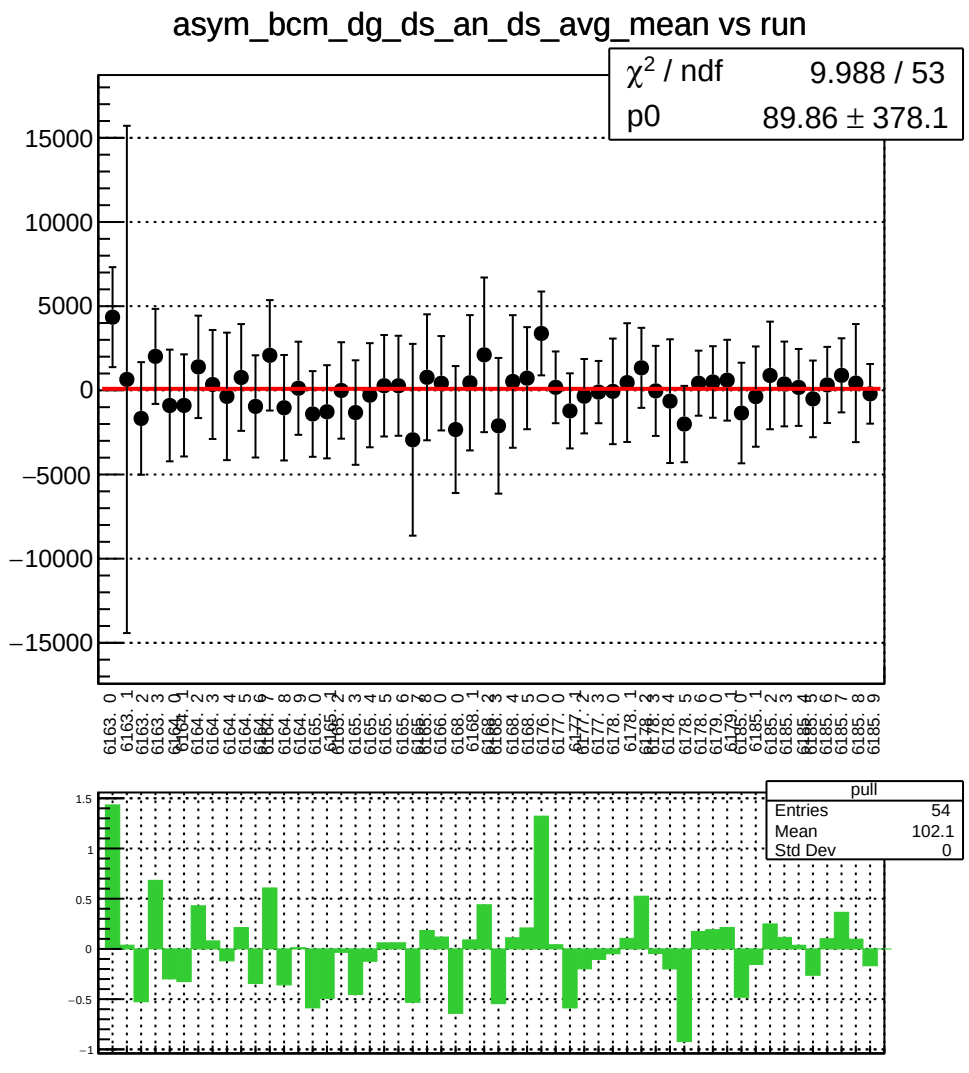

asym_bcm_dg_us_an_ds_avg_mean vs run
χ² / ndf 10.7 / 53
p0 94.64 ± 379.4
pull
Entries 54
Mean 54.43
Std Dev 0
pull1D
Entries 54
Mean −0.009133
Std Dev 0.4451

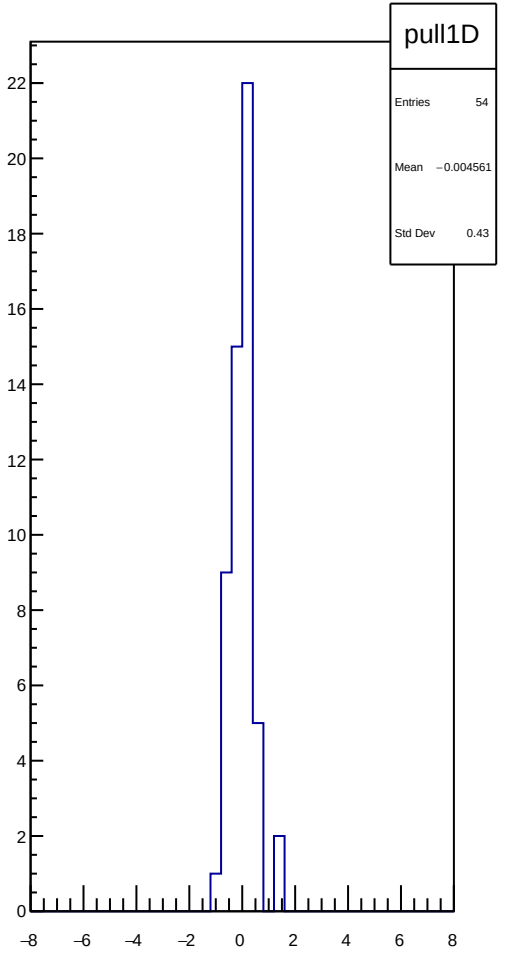

asym_bcm_dg_us_an_ds_avg_rms vs run
χ² / ndf 5.716e+04 / 53
p0 265 ± 0.2683
1400
1200
1000
800
600
400
200
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

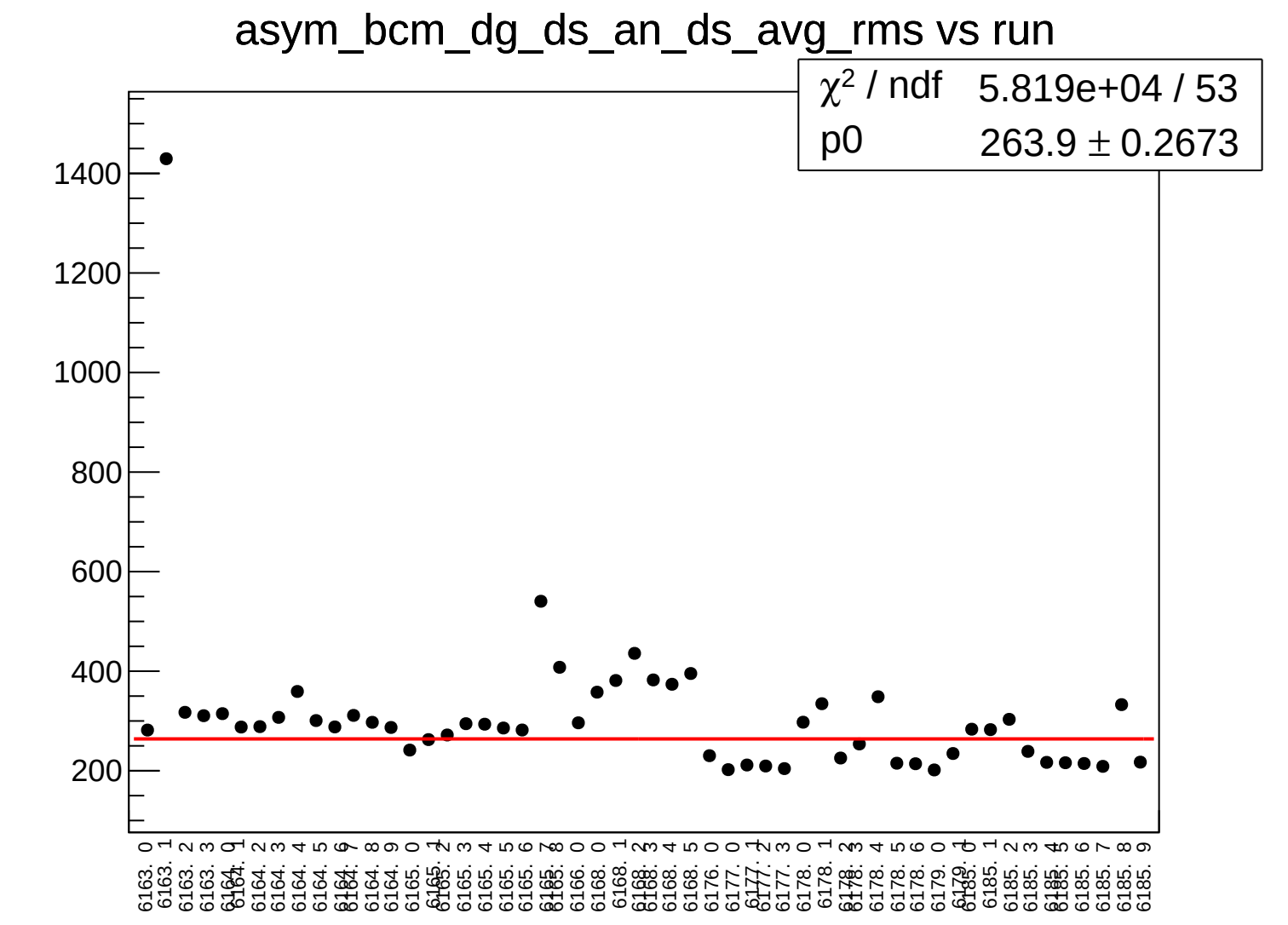

asym_bcm_dg_us_an_ds_dd_mean vs run
χ² / ndf 53.64 / 53
p0 −13.17 ± 33.03
pull
Entries 54
Mean −498
Std Dev 0

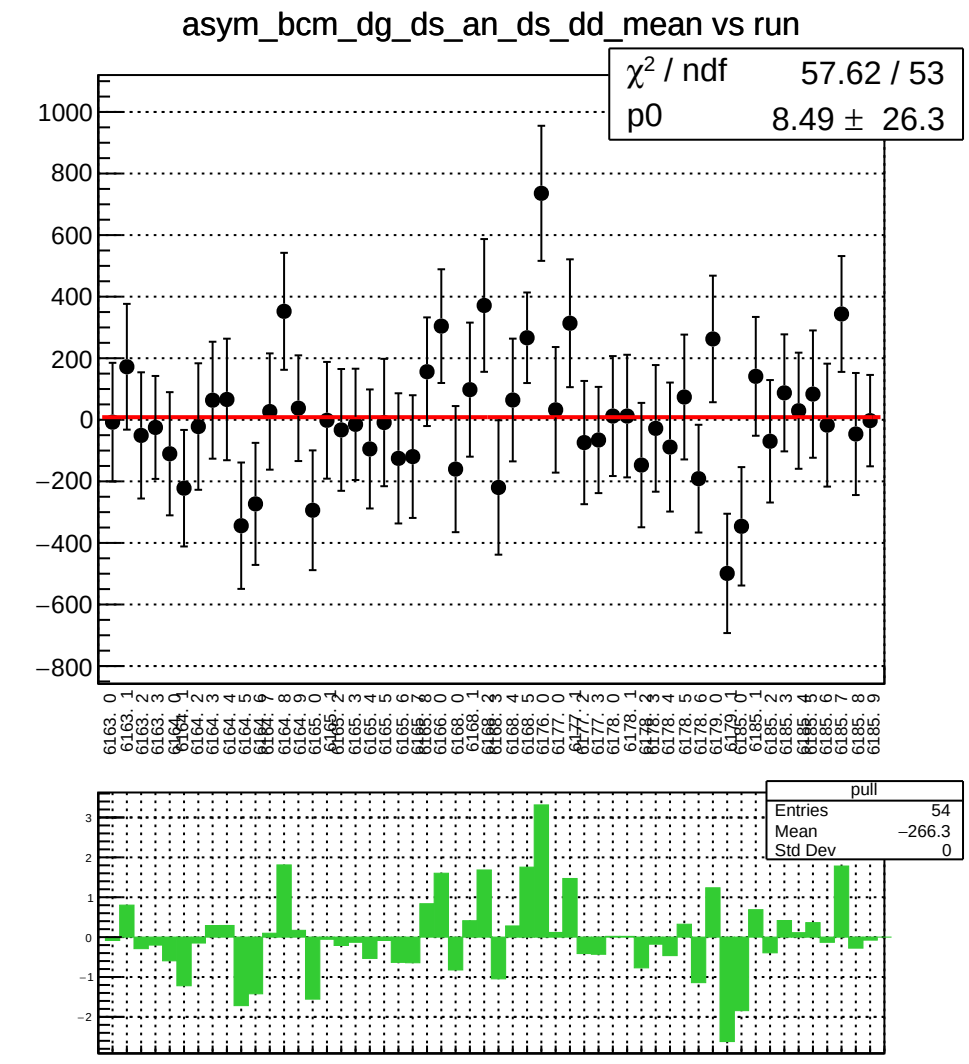

pull1D
Entries 54
Mean −0.003824
Std Dev 0.9967

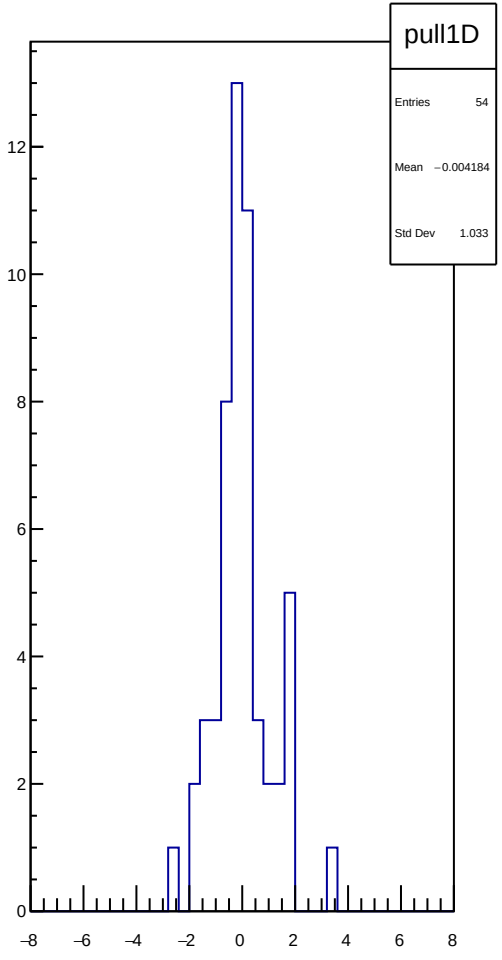

asym_bcm_dg_us_an_ds_dd_rms vs run
χ² / ndf 989.1 / 53
p0 23.73 ± 0.02336
25.5
25
24.5
24
23.5
23
22.5
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

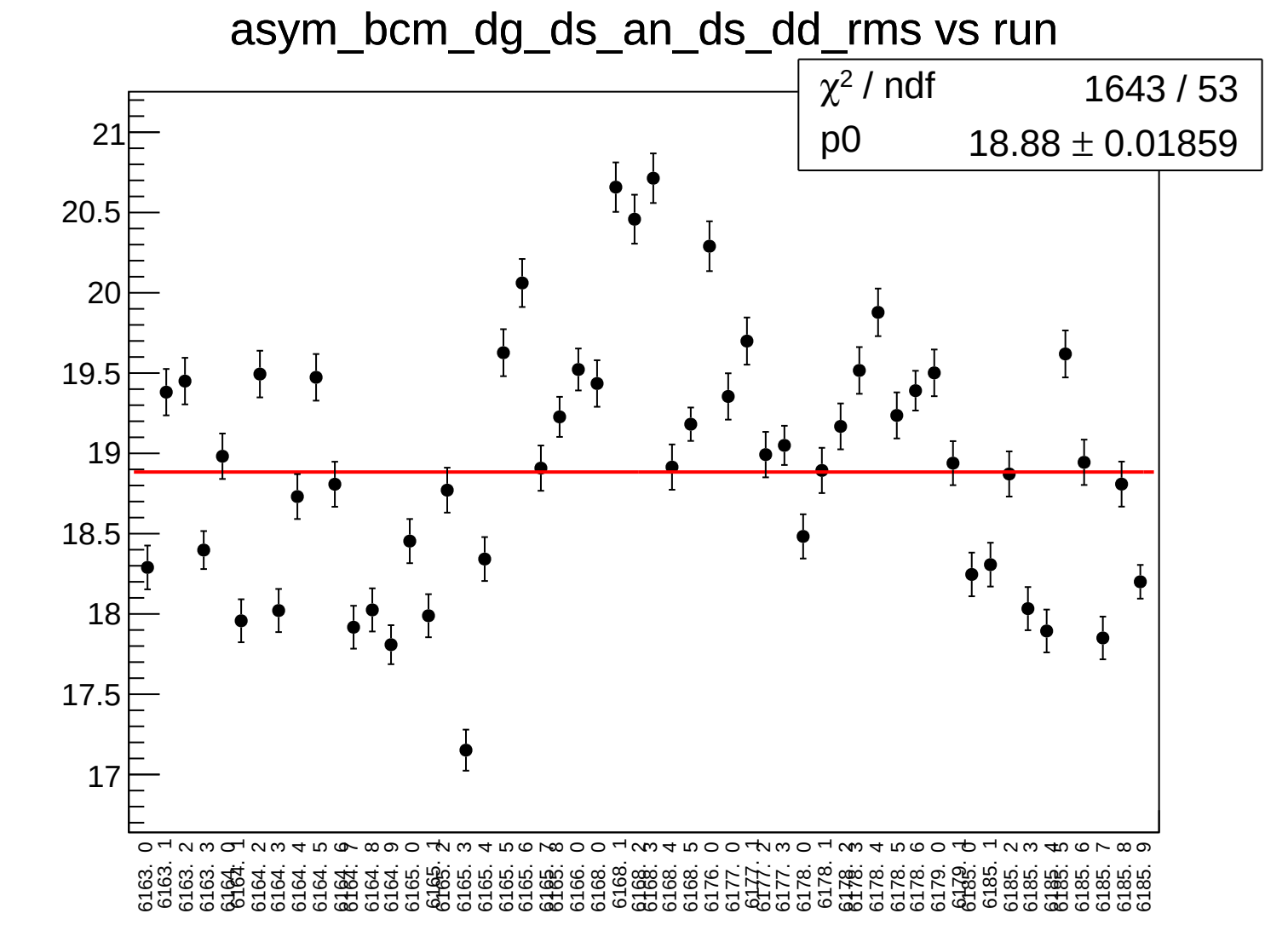

asym_bcm_dg_ds_an_ds_avg_mean vs run
χ² / ndf 9.988 / 53
p0 89.86 ± 378.1
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 54
Mean 102.1
Std Dev 0
1.5
1
0.5
0
−0.5
−1

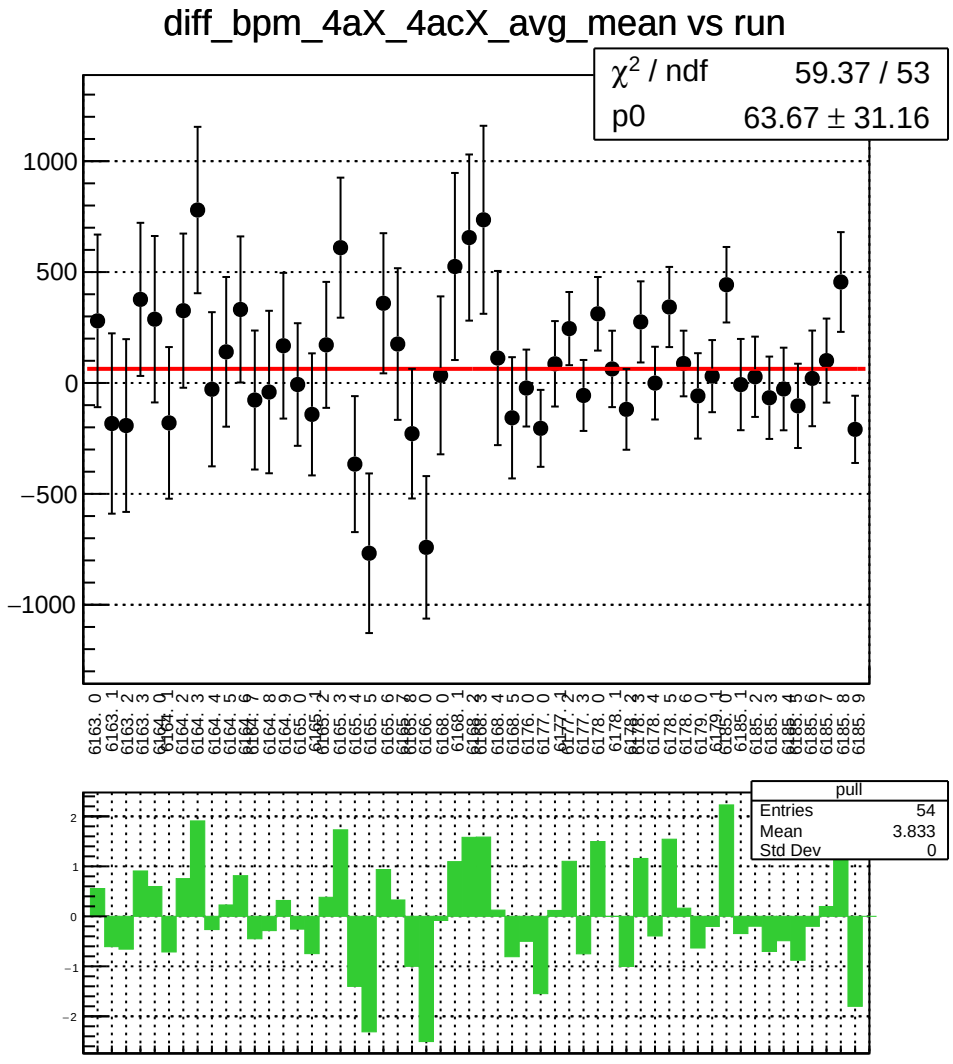

pull1D
Entries 54
Mean −0.004561
Std Dev 0.43
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

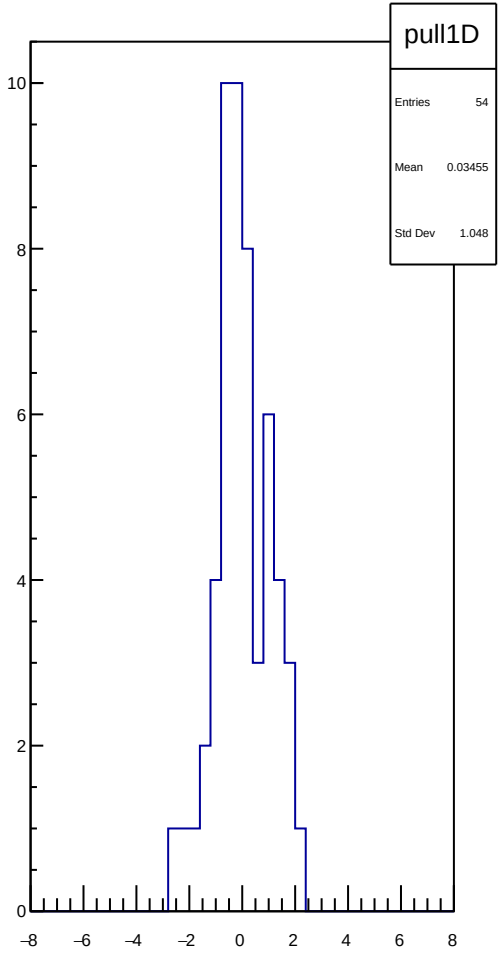

asym_bcm_dg_ds_an_ds_avg_rms vs run
χ² / ndf 5.819e+04 / 53
p0 263.9 ± 0.2673
1400
1200
1000
800
600
400
200
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

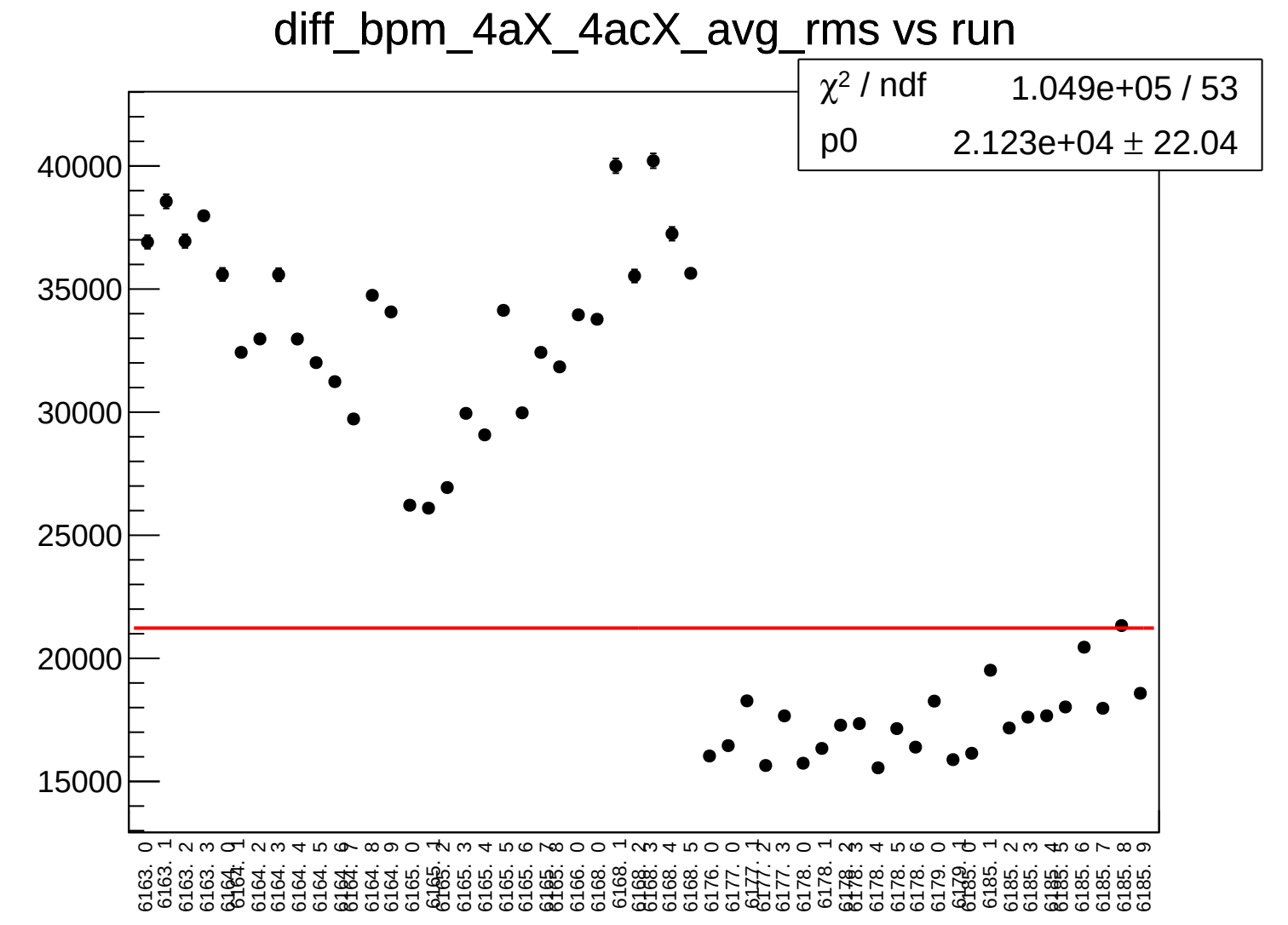

asym_bcm_dg_ds_an_ds_dd_mean vs run
χ² / ndf 57.62 / 53
p0 8.49 ± 26.3
pull
Entries 54
Mean −266.3
Std Dev 0

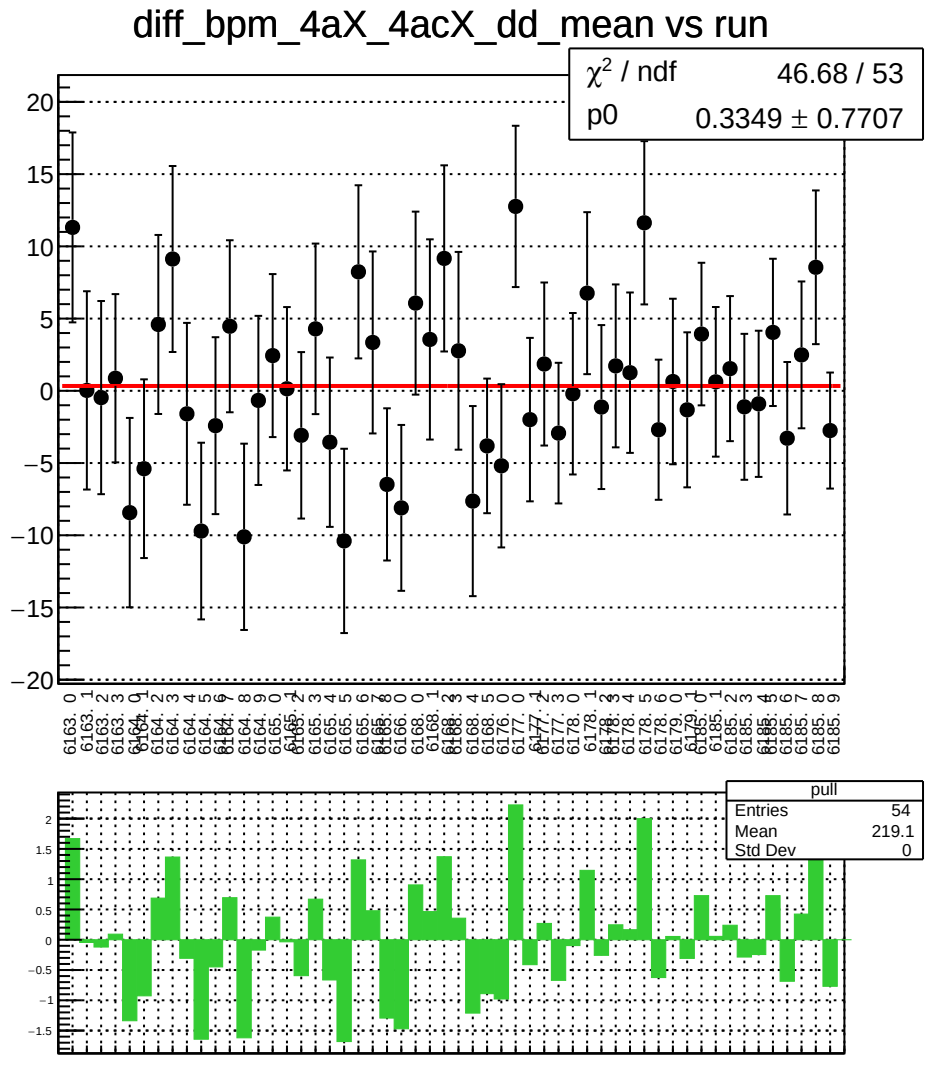

pull1D
Entries 54
Mean −0.004184
Std Dev 1.033

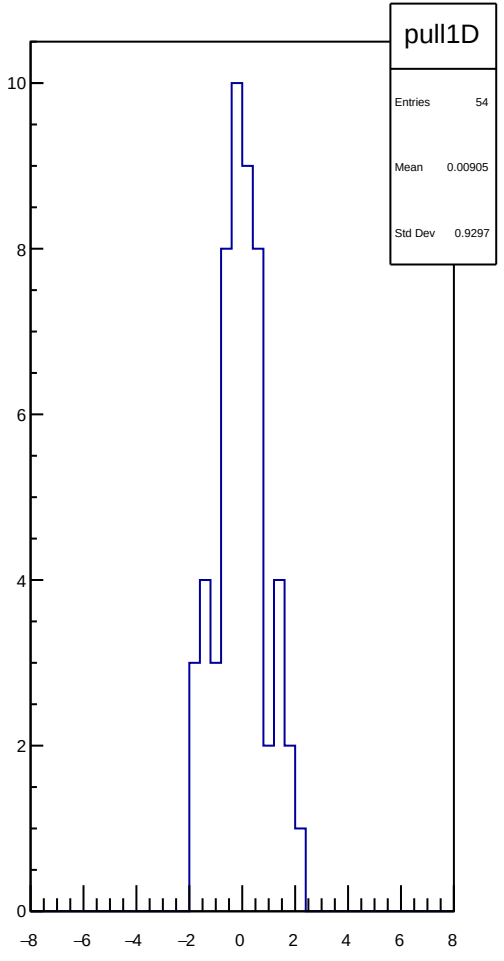

asym_bcm_dg_ds_an_ds_dd_rms vs run
χ² / ndf 1643 / 53
p0 18.88 ± 0.01859
21
20.5
20
19.5
19
18.5
18
17.5
17
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 2
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

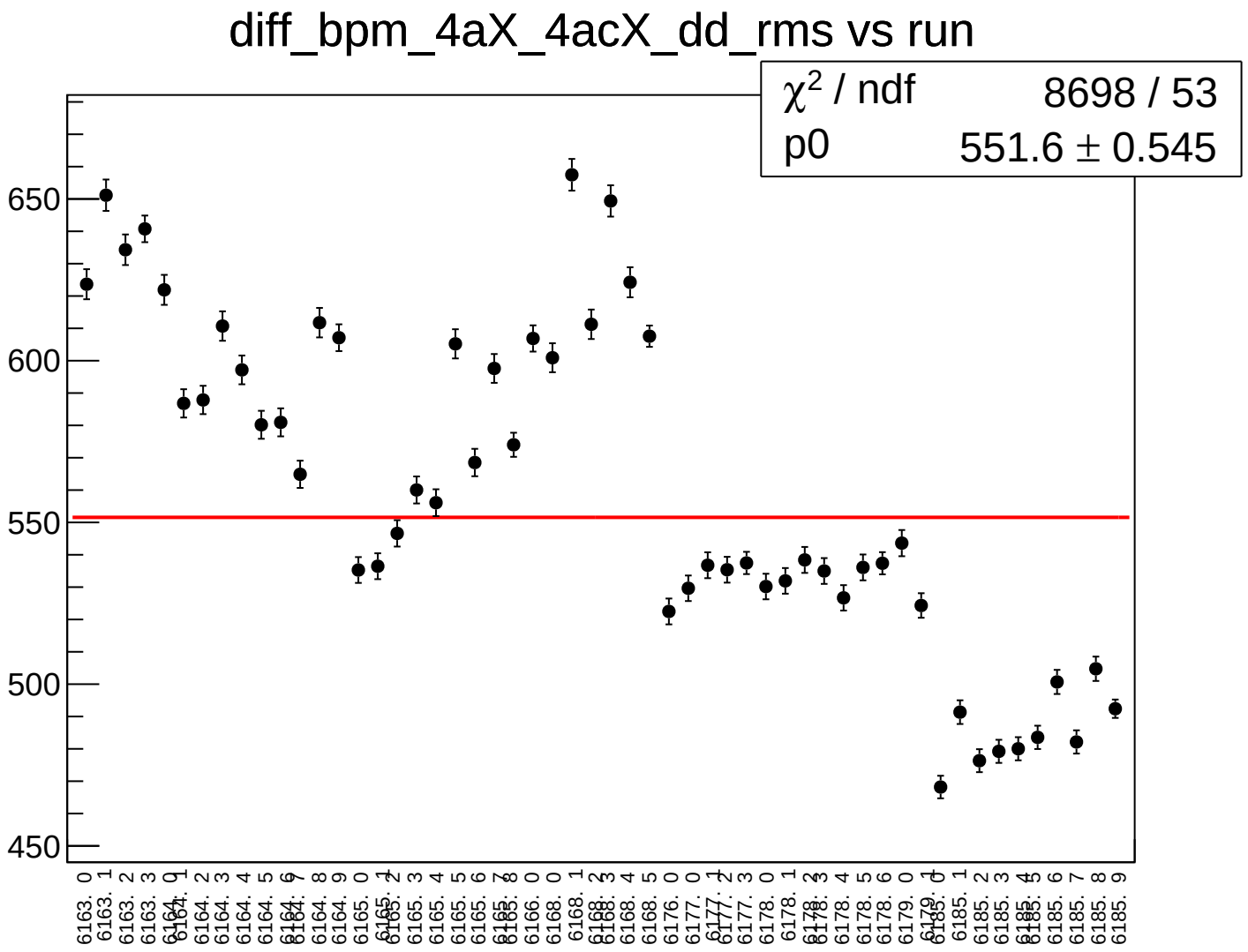

diff_bpm_4aX_4acX_avg_mean vs run
χ² / ndf 59.37 / 53
p0 63.67 ± 31.16
1000
500
0
−500
−1000
pull
Entries 54
Mean 3.833
Std Dev 0
2
1
0
−1
−2

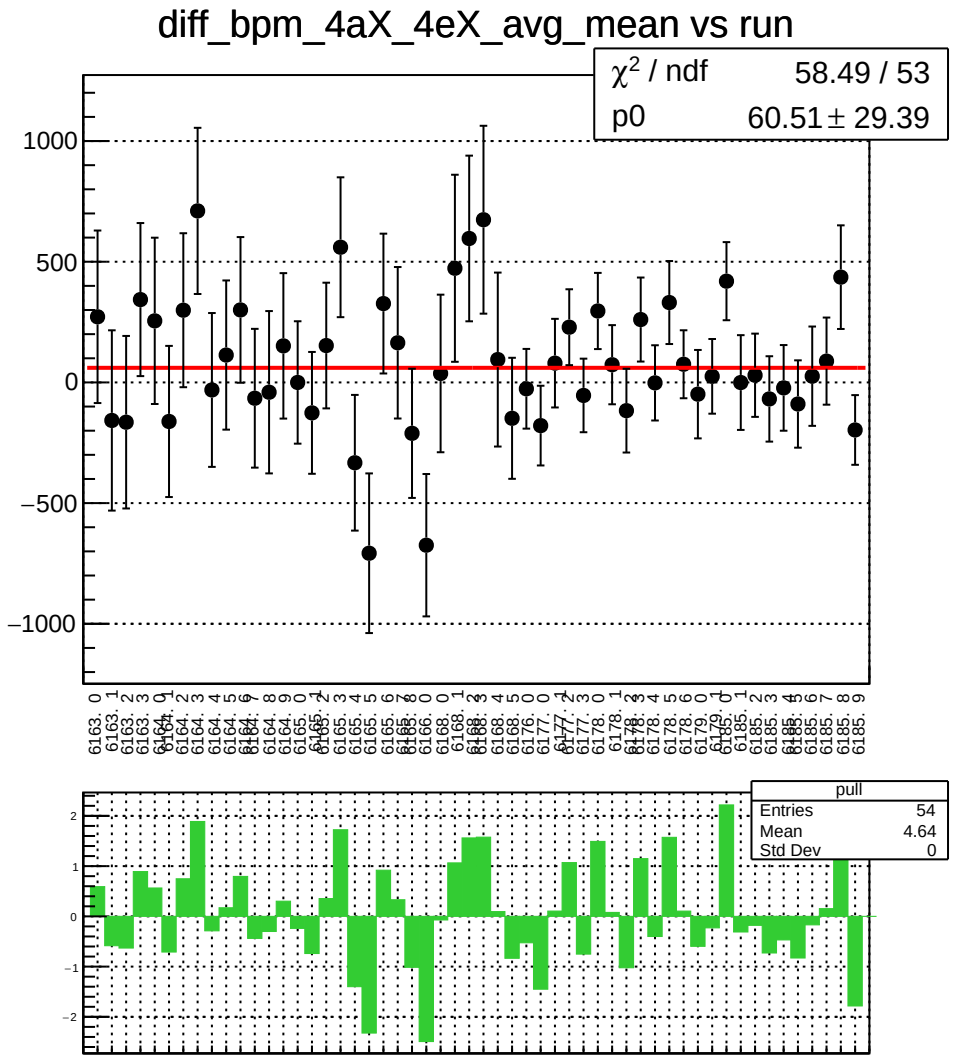

pull1D
Entries 54
Mean 0.03455
Std Dev 1.048
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

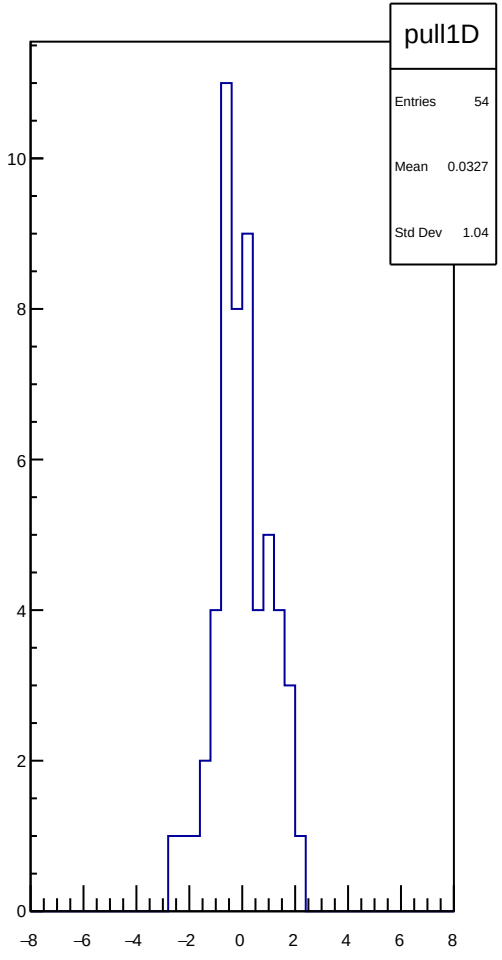

diff_bpm_4aX_4acX_avg_rms vs run
χ² / ndf 1.049e+05 / 53
p0 2.123e+04 ± 22.04
40000
35000
30000
25000
20000
15000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

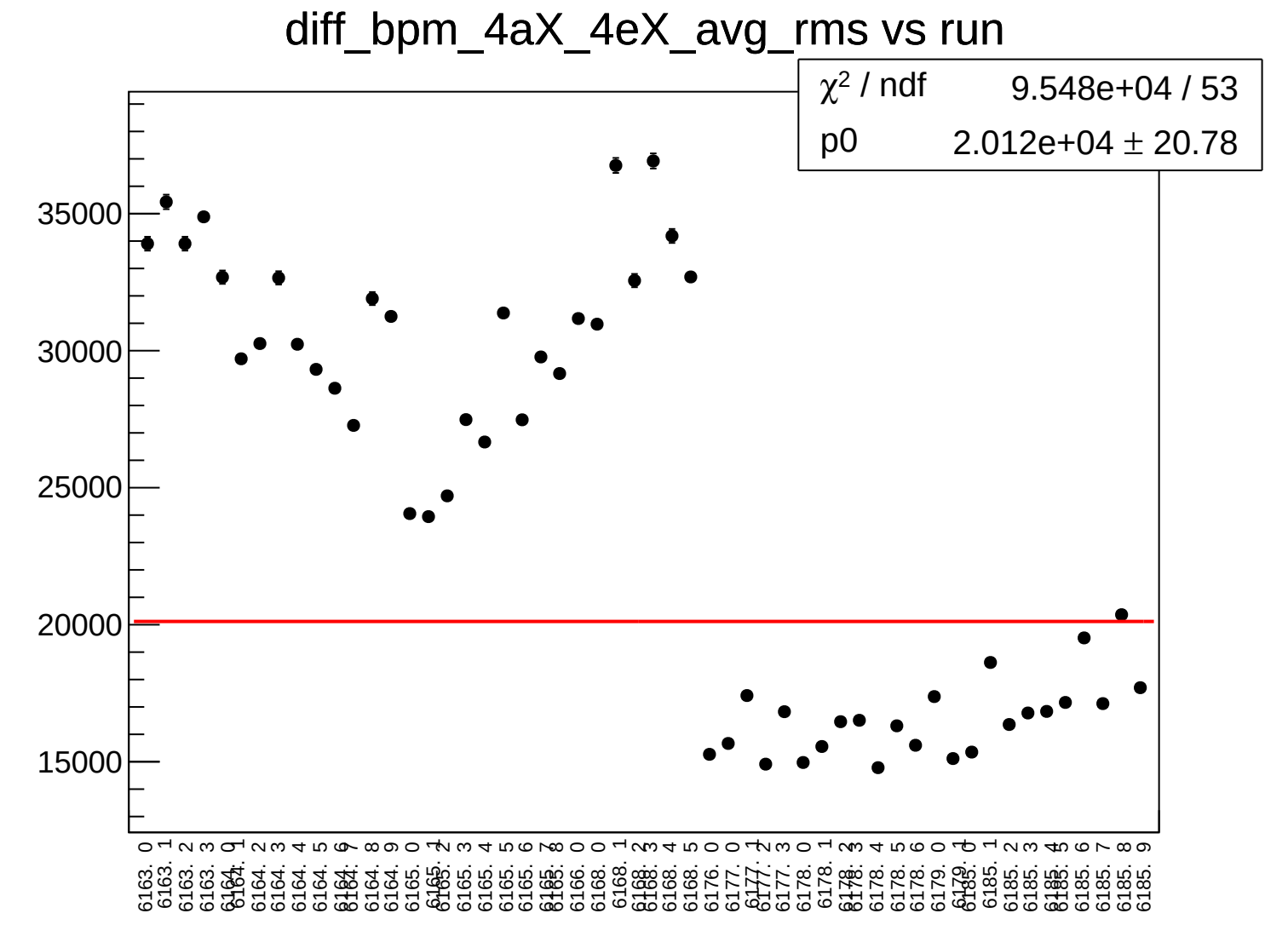

diff_bpm_4aX_4acX_dd_mean vs run
χ² / ndf 46.68 / 53
p0 0.3349 ± 0.7707
pull
Entries 54
Mean 219.1
Std Dev 0

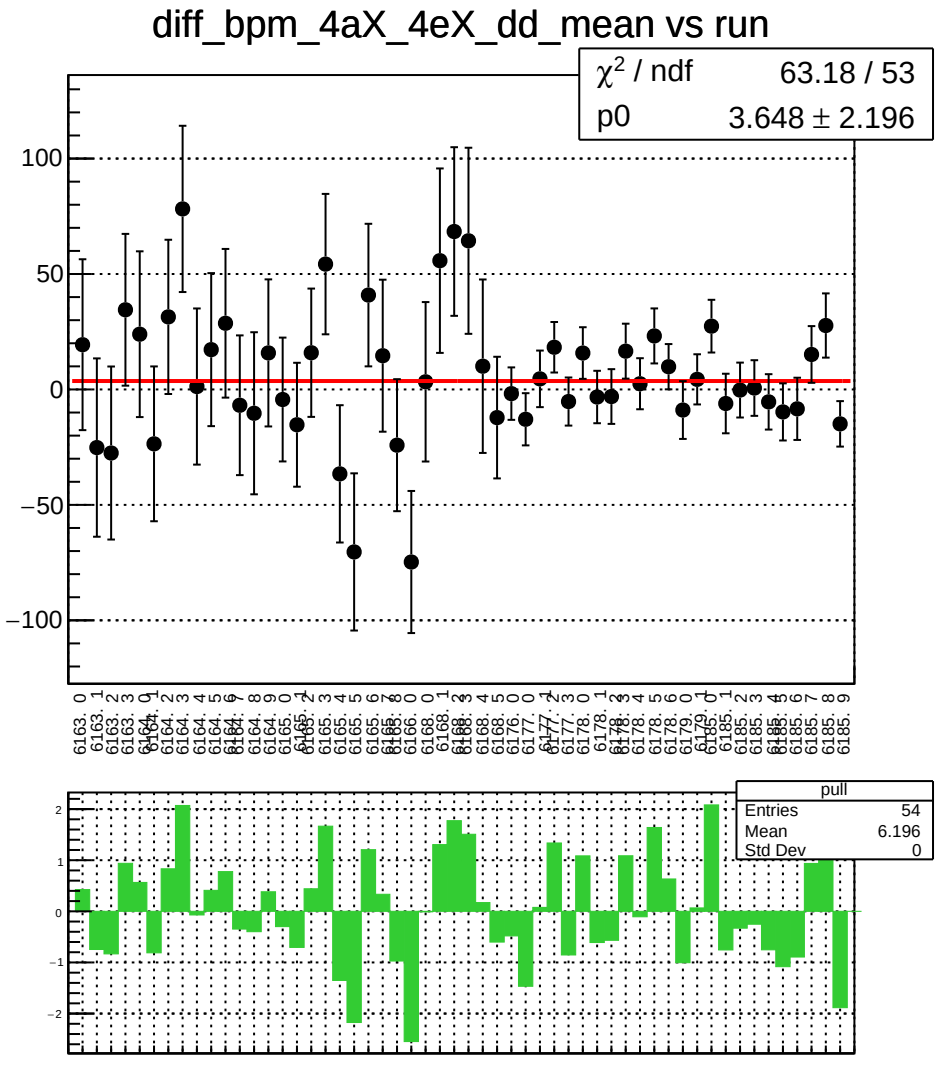

pull1D
Entries 54
Mean 0.00905
Std Dev 0.9297

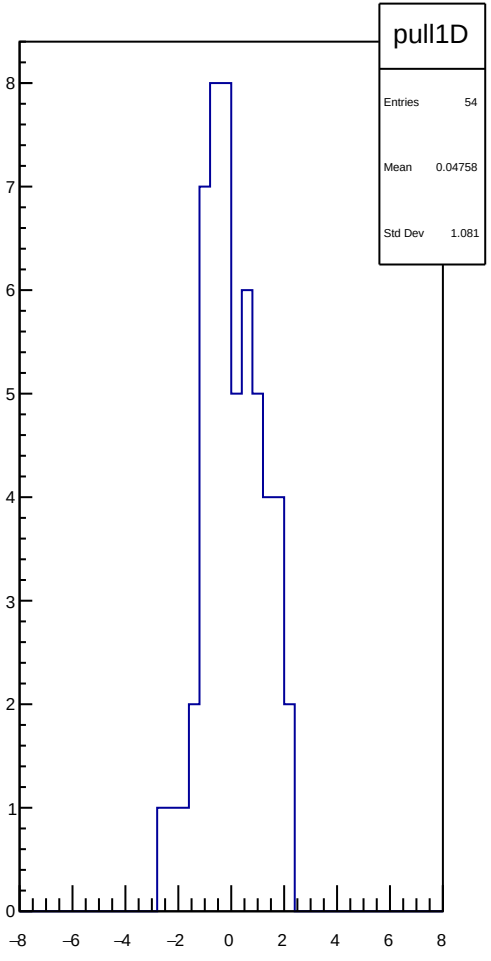

diff_bpm_4aX_4acX_dd_rms vs run
χ² / ndf 8698 / 53
p0 551.6 ± 0.545
650
600
550
500
450
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

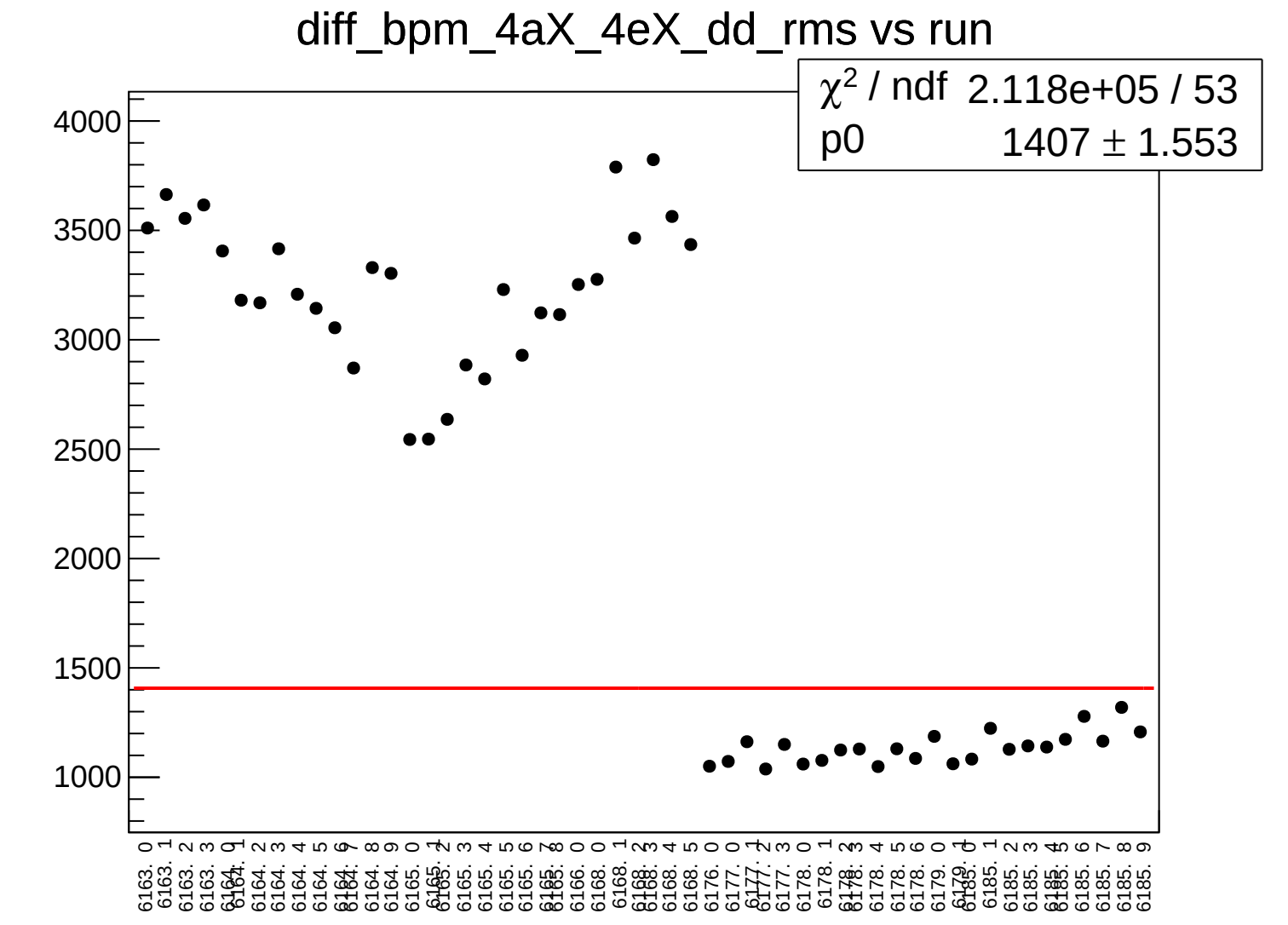

diff_bpm_4aX_4eX_avg_mean vs run
χ² / ndf 58.49 / 53
p0 60.51 ± 29.39
1000
500
0
−500
−1000
pull
Entries 54
Mean 4.64
Std Dev 0
2
1
0
−1
−2

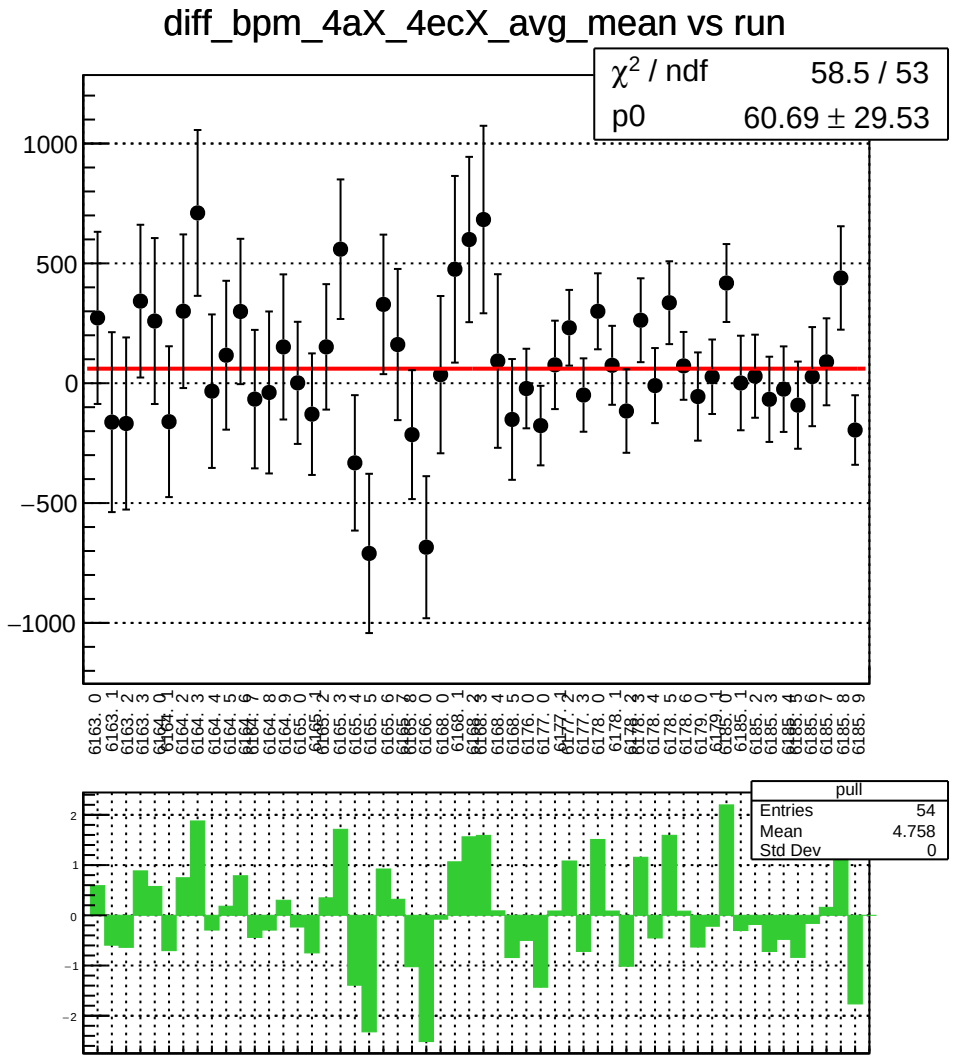

pull1D
Entries 54
Mean 0.0327
Std Dev 1.04
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

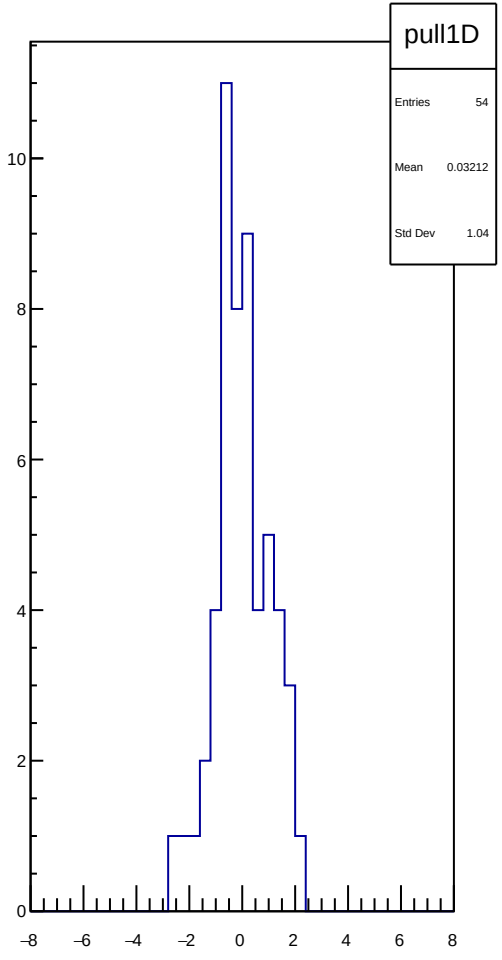

diff_bpm_4aX_4eX_avg_rms vs run
χ² / ndf 9.548e+04 / 53
p0 2.012e+04 ± 20.78
35000
30000
25000
20000
15000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

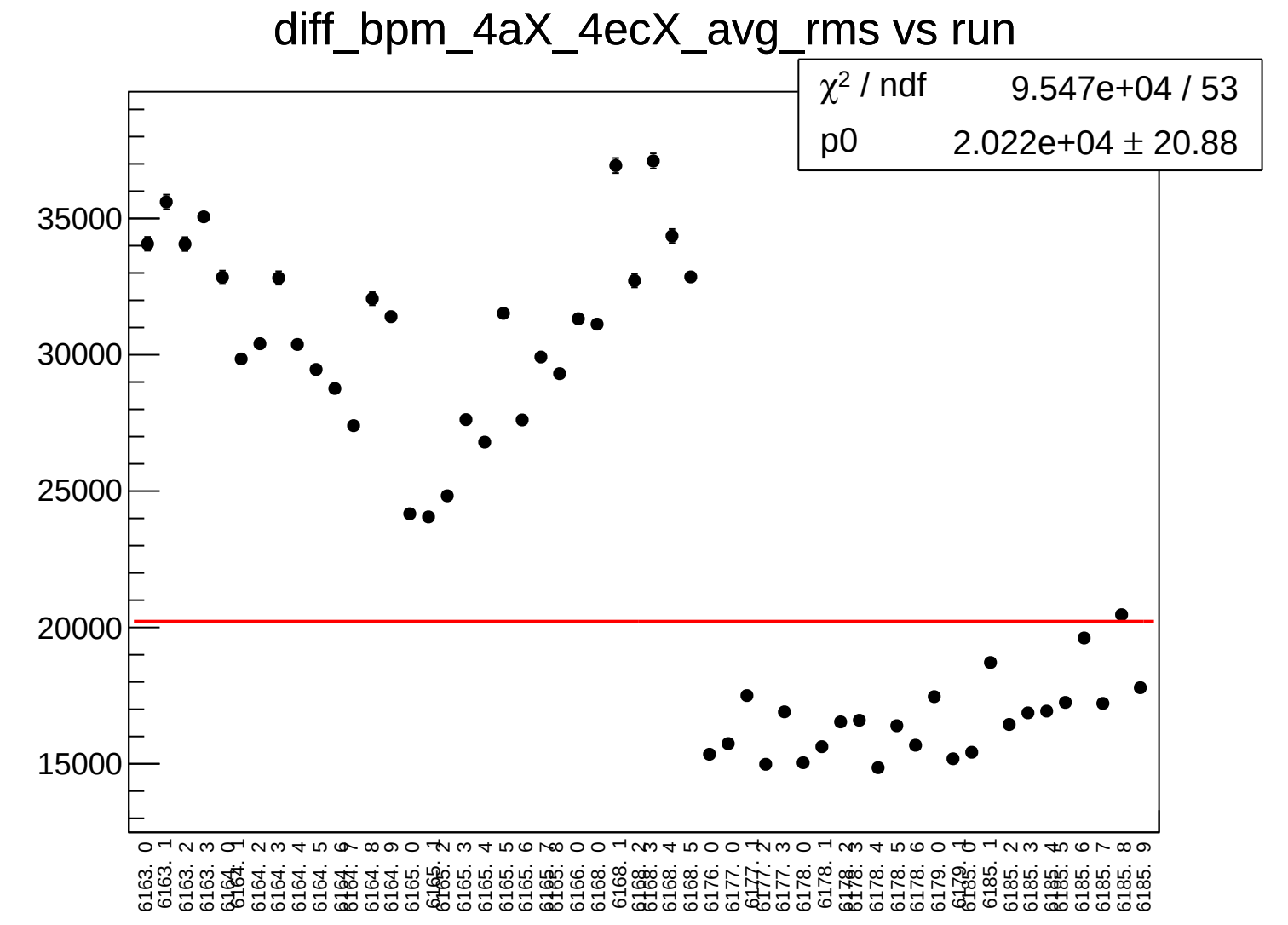

diff_bpm_4aX_4eX_dd_mean vs run
χ² / ndf 63.18 / 53
p0 3.648 ± 2.196
100
50
0
−50
−100
pull
Entries 54
Mean 6.196
Std Dev 0
2
1
0
−1
−2

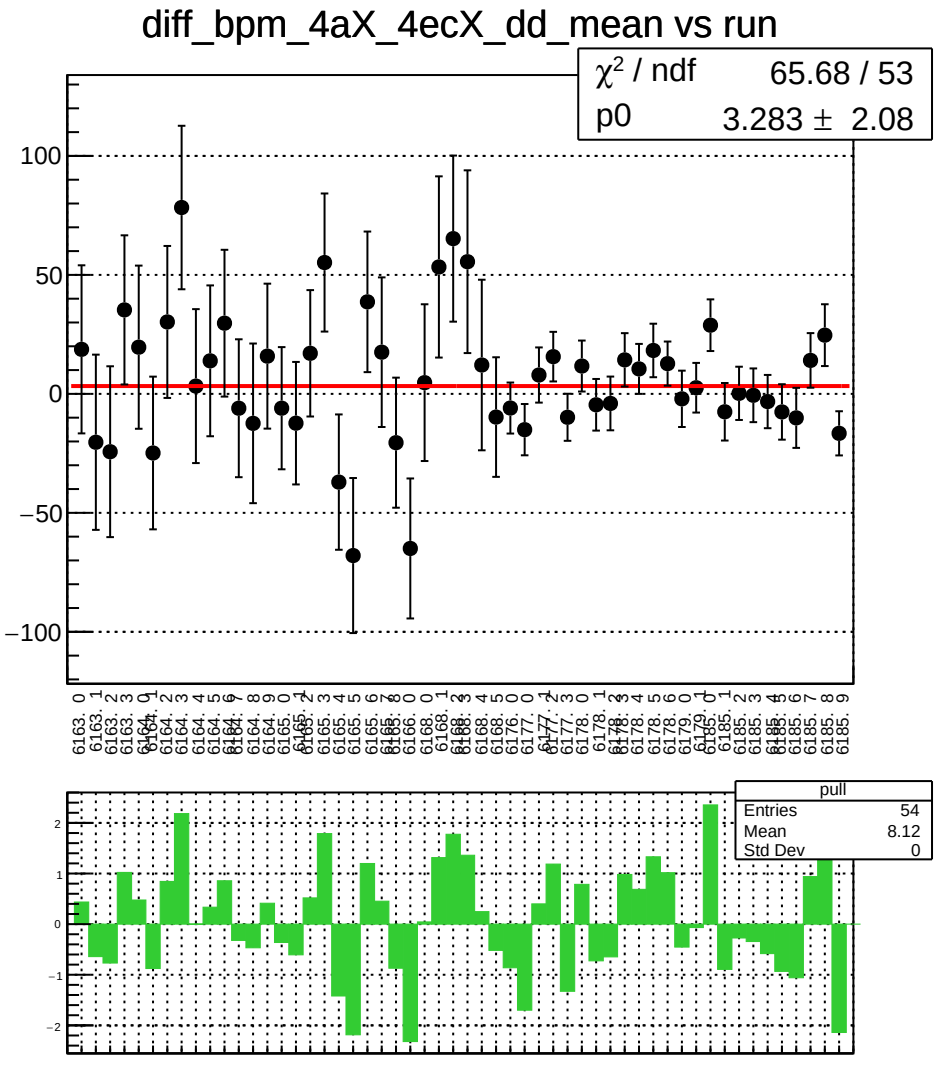

pull1D
Entries 54
Mean 0.04758
Std Dev 1.081
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

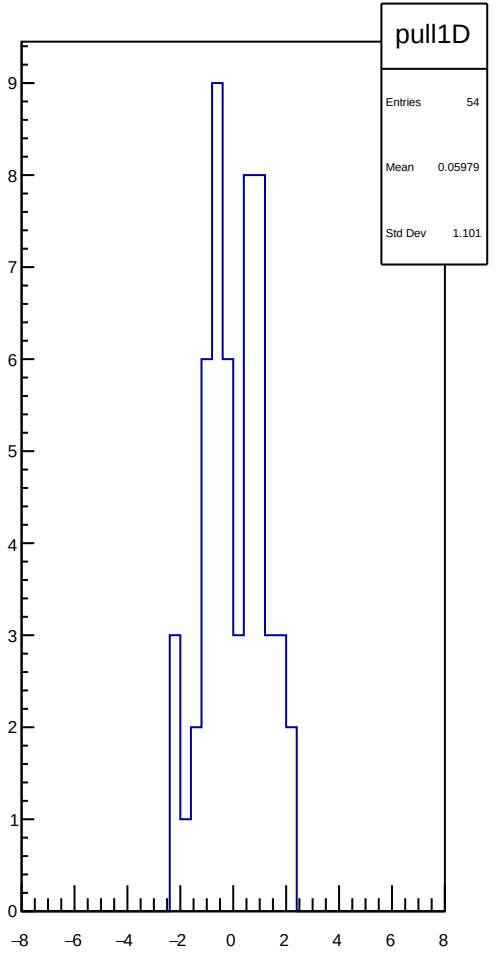

diff_bpm_4aX_4eX_dd_rms vs run
χ² / ndf 2.118e+05 / 53
p0 1407 ± 1.553
4000
3500
3000
2500
2000
1500
1000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

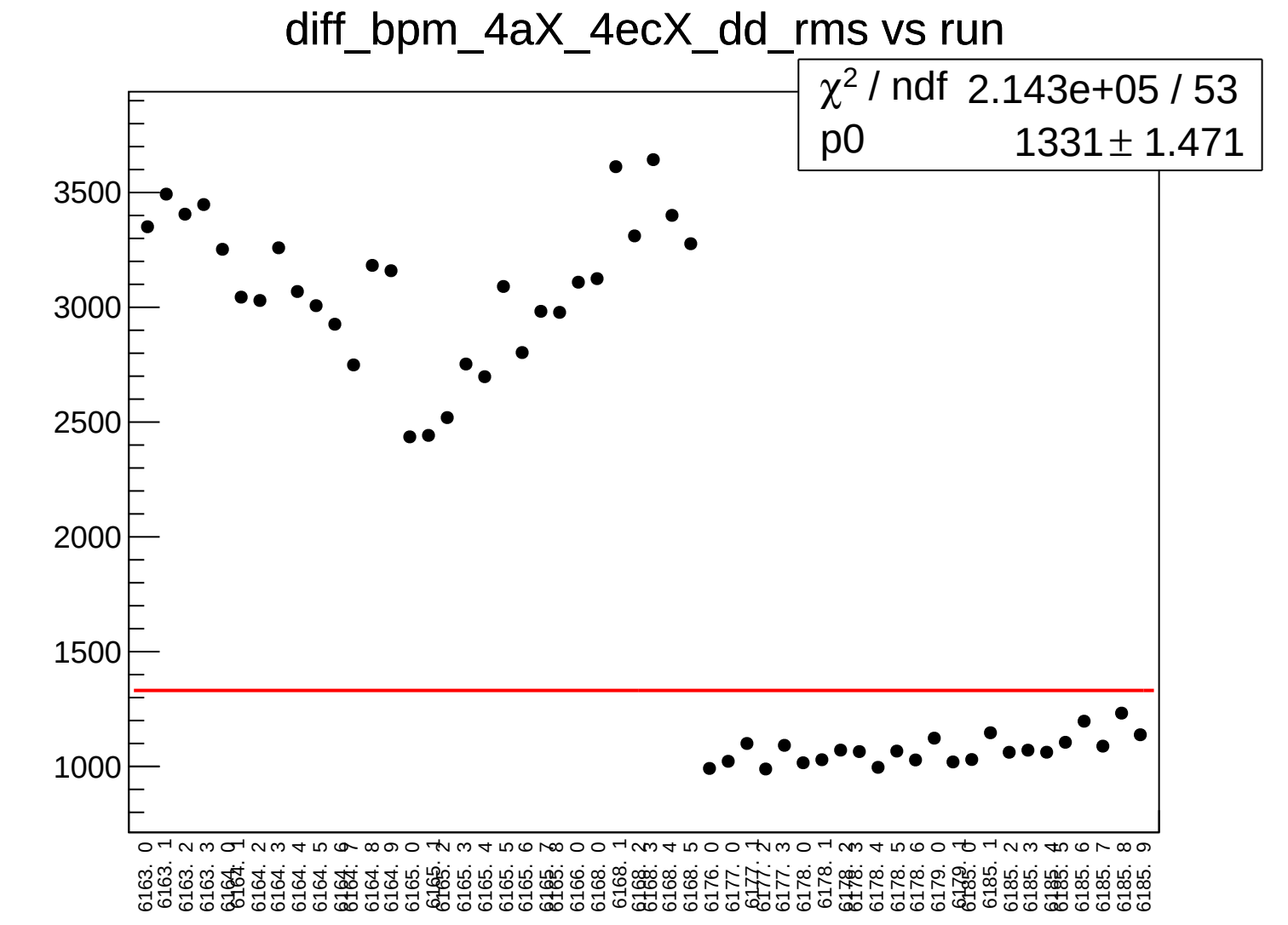

diff_bpm_4aX_4ecX_avg_mean vs run
χ² / ndf 58.5 / 53
p0 60.69 ± 29.53
1000
500
0
−500
−1000
pull
Entries 54
Mean 4.758
Std Dev 0
2
1
0
−1
−2

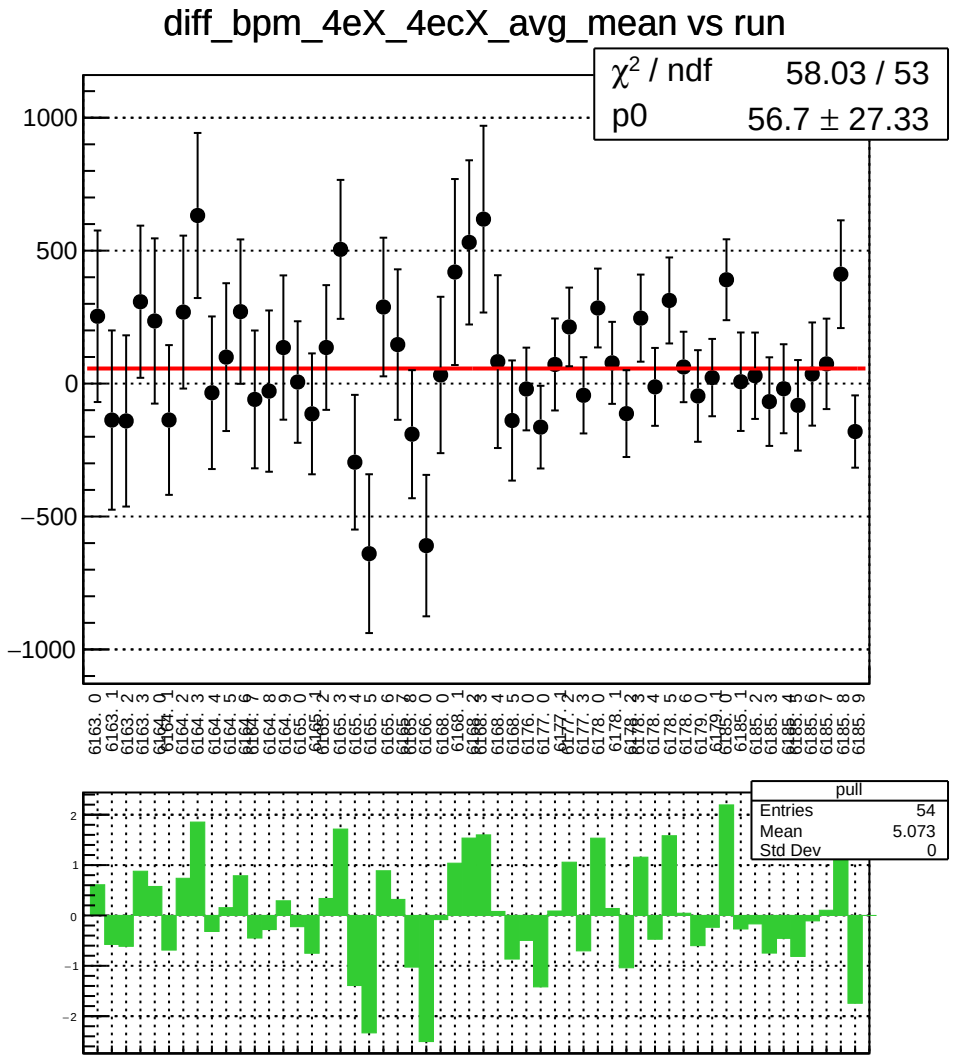

pull1D
Entries 54
Mean 0.03212
Std Dev 1.04
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

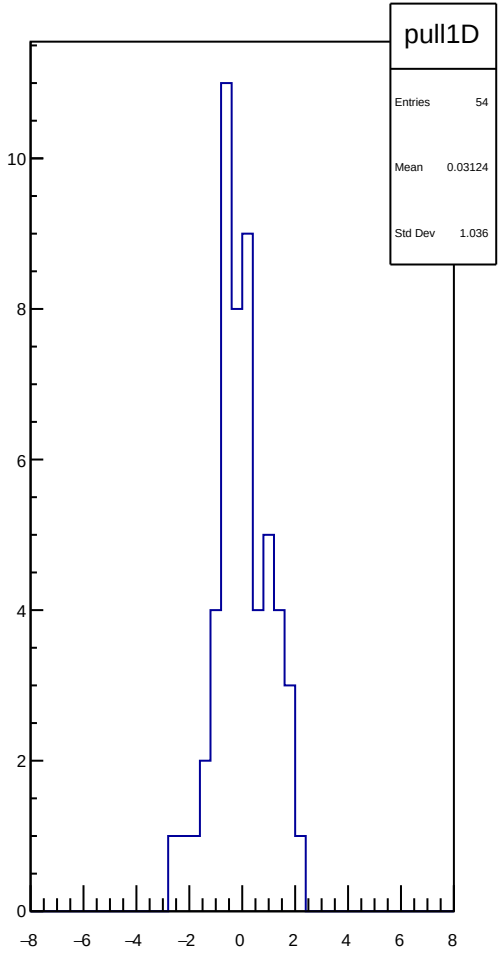

diff_bpm_4aX_4ecX_avg_rms vs run
χ² / ndf 9.547e+04 / 53
p0 2.022e+04 ± 20.88
35000
30000
25000
20000
15000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

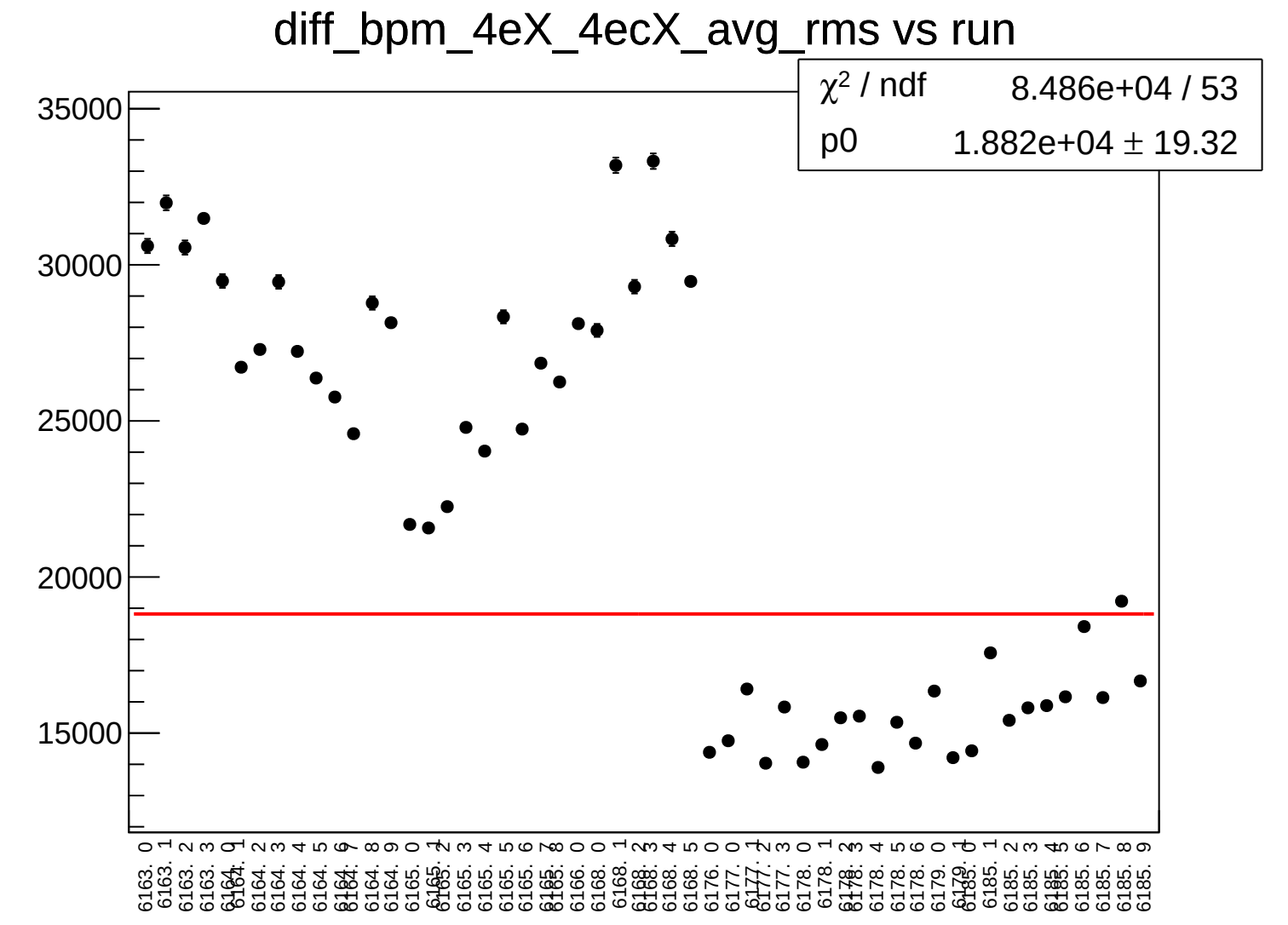

diff_bpm_4aX_4ecX_dd_mean vs run
χ² / ndf 65.68 / 53
p0 3.283 ± 2.08
100
50
0
−50
−100
pull
Entries 54
Mean 8.12
Std Dev 0
2
1
0
−1
−2

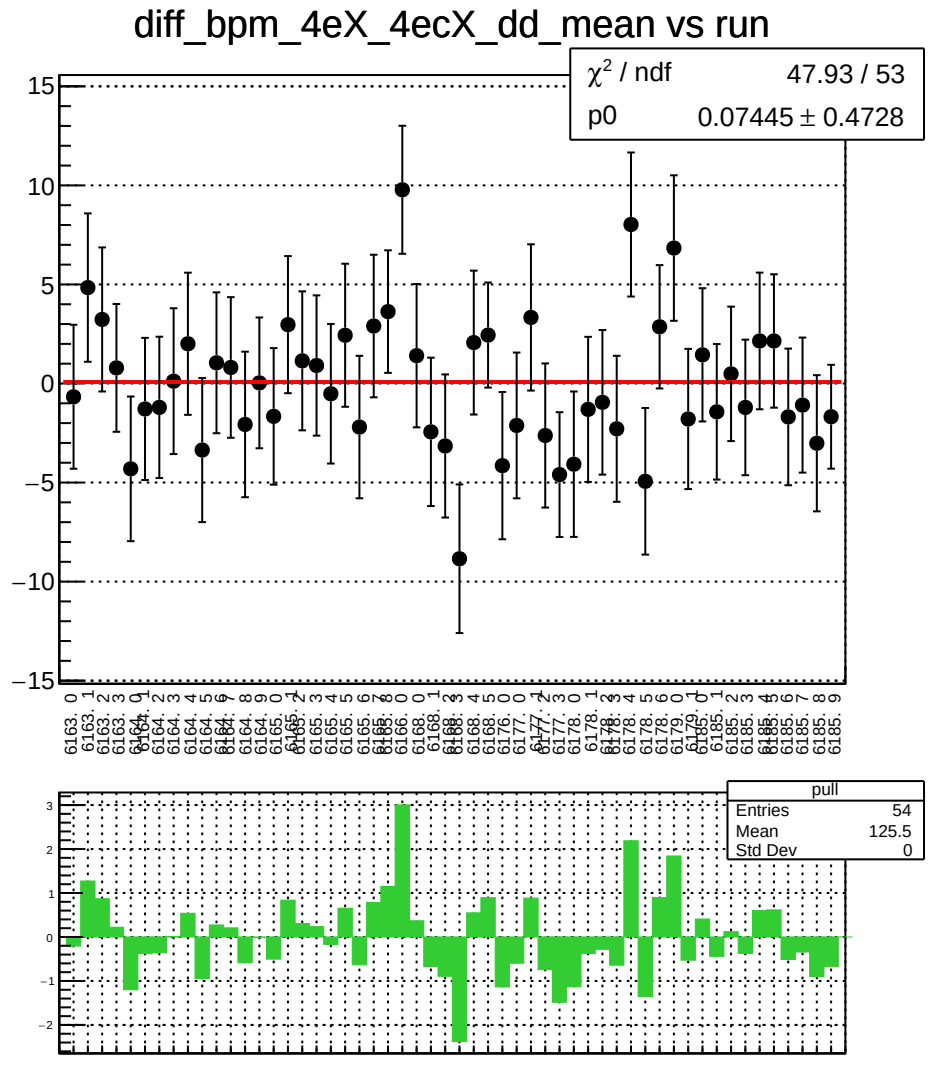

pull1D
Entries 54
Mean 0.05979
Std Dev 1.101
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

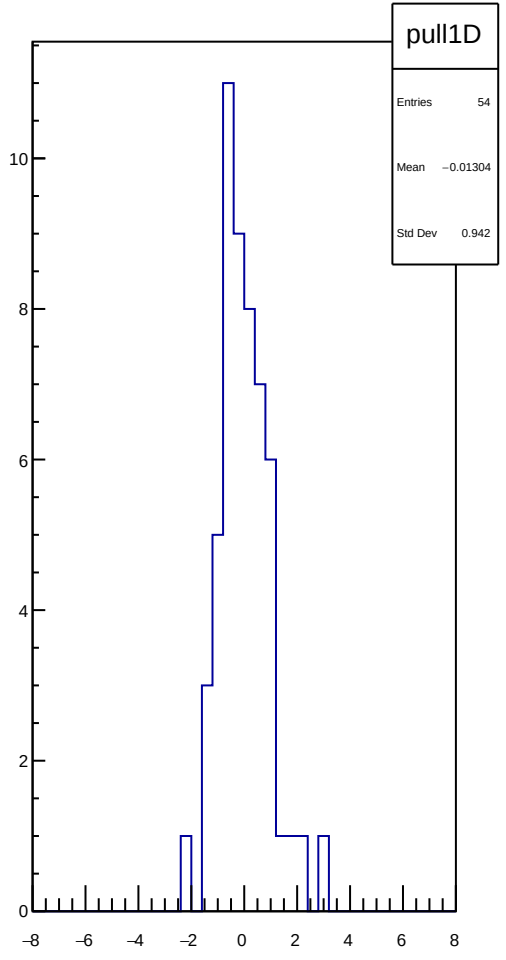

diff_bpm_4aX_4ecX_dd_rms vs run
χ² / ndf 2.143e+05 / 53
p0 1331 ± 1.471
3500
3000
2500
2000
1500
1000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

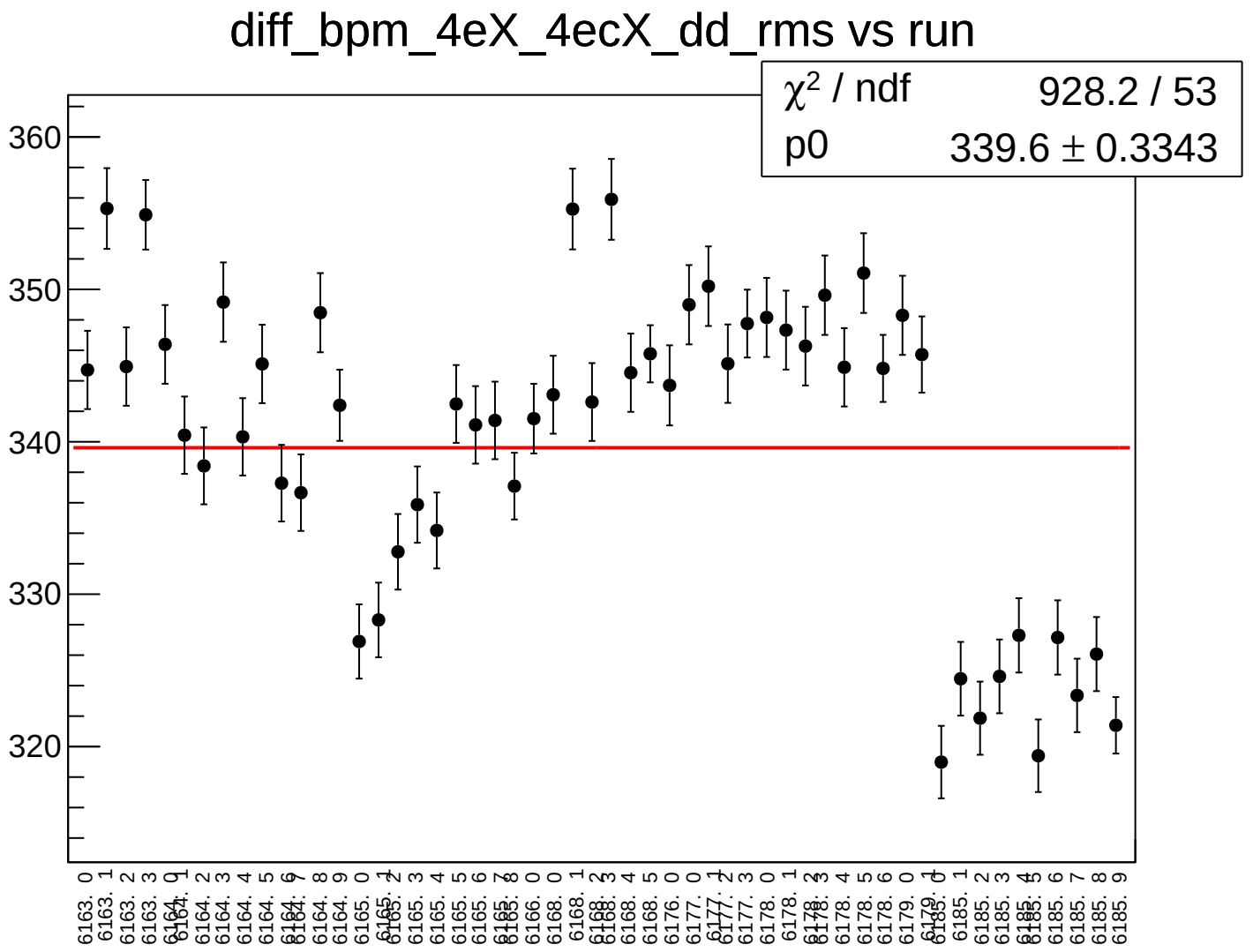

diff_bpm_4eX_4ecX_avg_mean vs run
χ² / ndf 58.03 / 53
p0 56.7 ± 27.33
1000
500
0
−500
−1000
pull
Entries 54
Mean 5.073
Std Dev 0
2
1
0
−1
−2

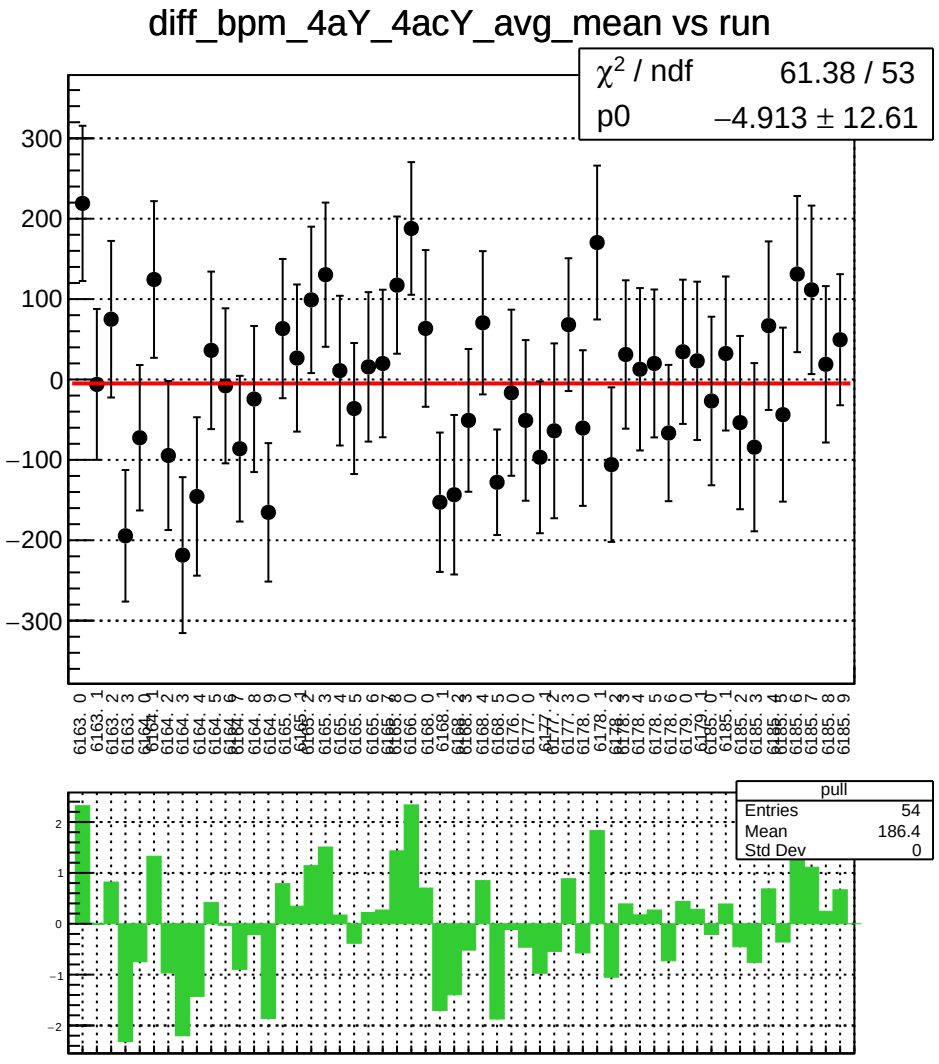

pull1D
Entries 54
Mean 0.03124
Std Dev 1.036
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

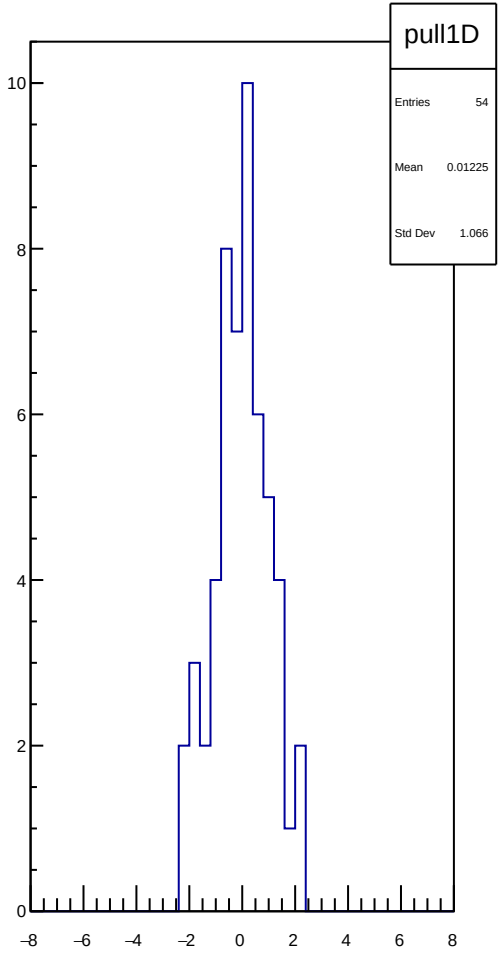

diff_bpm_4eX_4ecX_avg_rms vs run
χ² / ndf 8.486e+04 / 53
p0 1.882e+04 ± 19.32
35000
30000
25000
20000
15000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

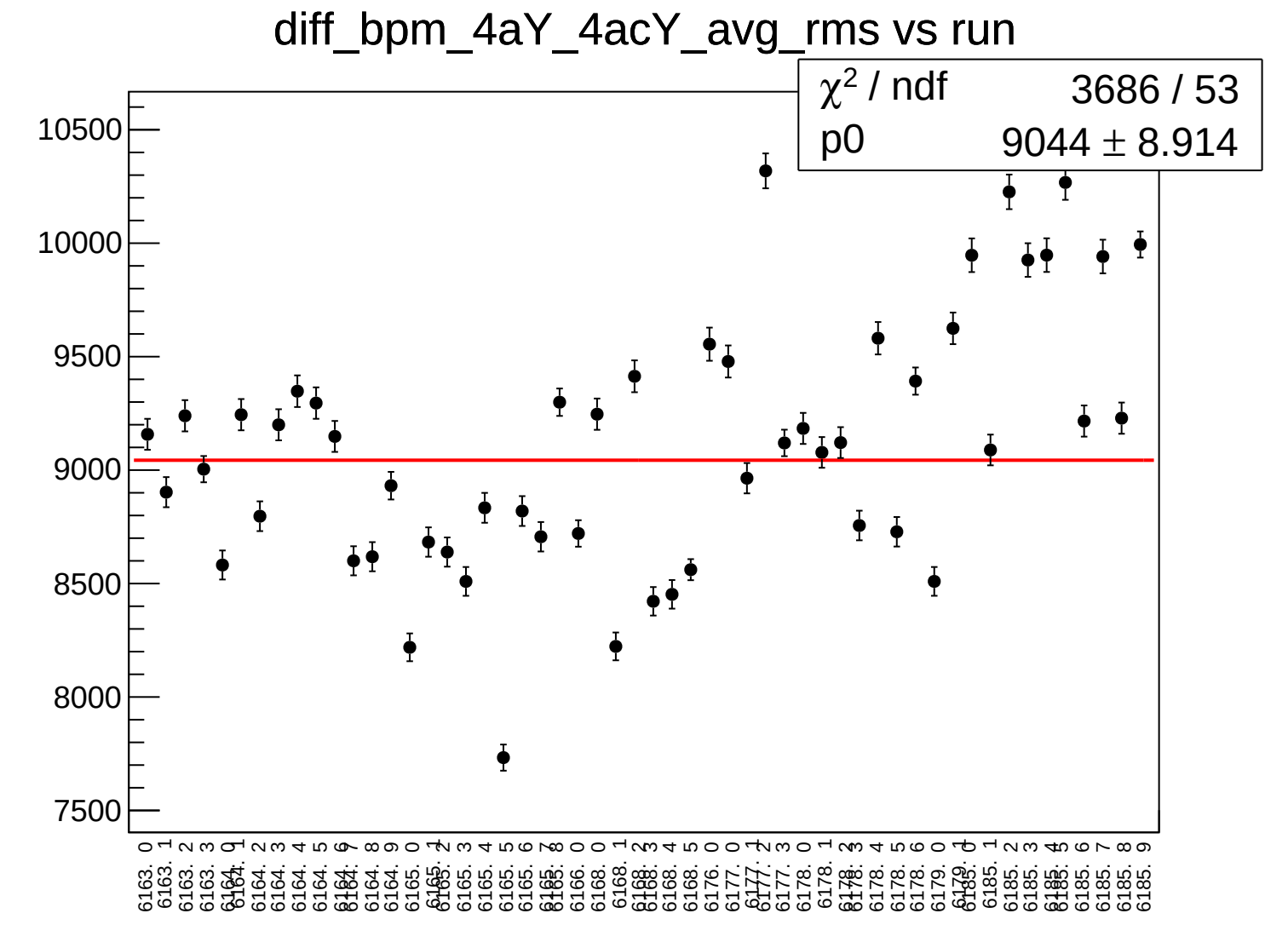

diff_bpm_4eX_4ecX_dd_mean vs run
χ² / ndf 47.93 / 53
p0 0.07445 ± 0.4728
pull
Entries 54
Mean 125.5
Std Dev 0

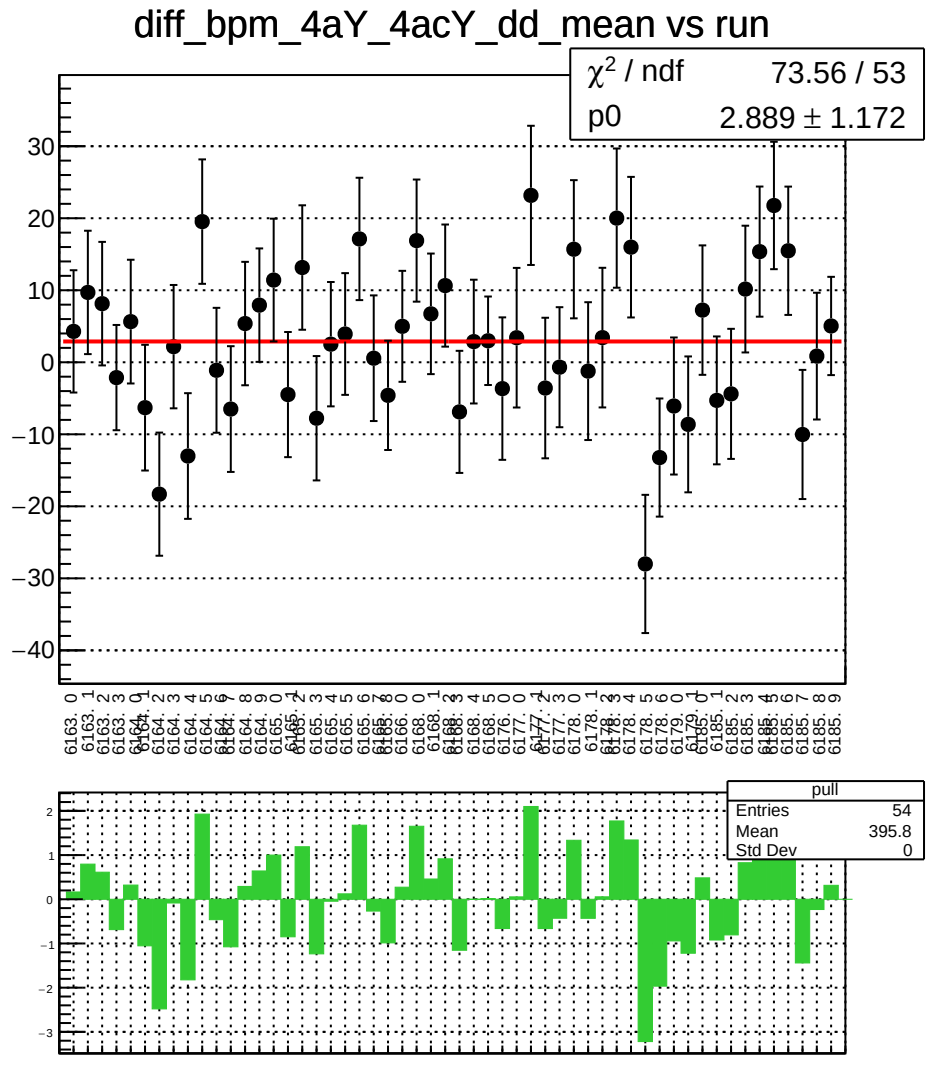

pull1D
Entries 54
Mean −0.01304
Std Dev 0.942

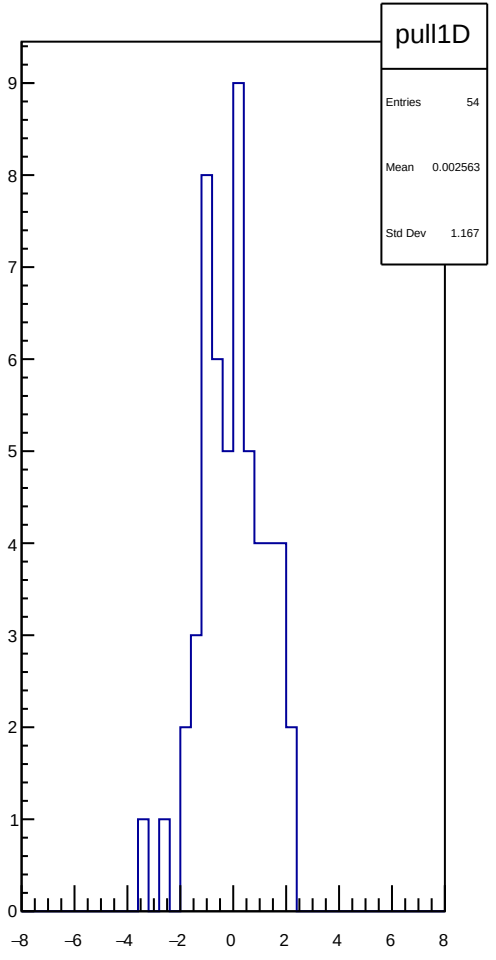

diff_bpm_4eX_4ecX_dd_rms vs run
χ² / ndf 928.2 / 53
p0 339.6 ± 0.3343
360
350
340
330
320
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

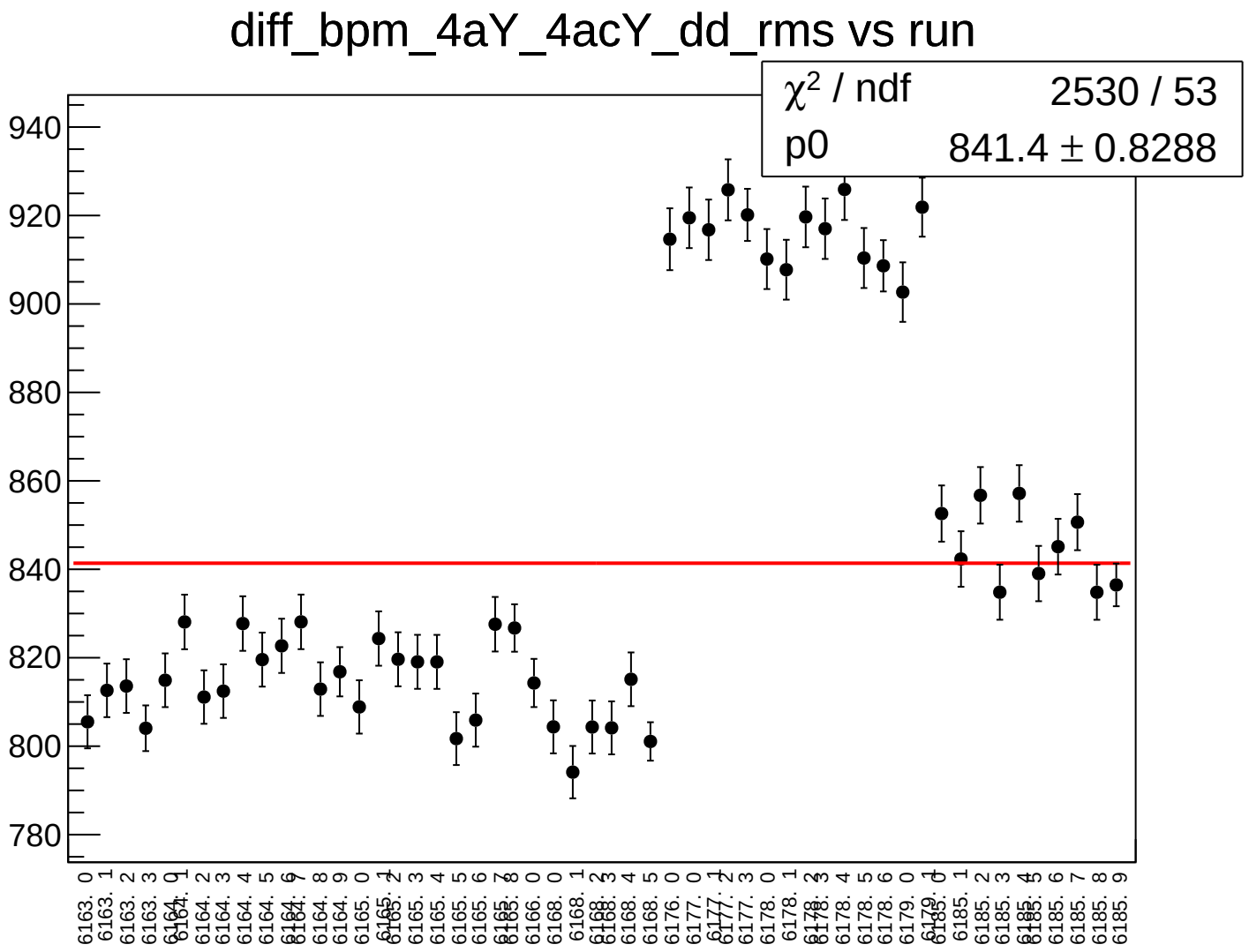

diff_bpm_4aY_4acY_avg_mean vs run
χ² / ndf 61.38 / 53
p0 −4.913 ± 12.61
300
200
100
0
−100
−200
−300
6163. 0
6163. 1
6163. 2
6163. 3
6164. 0
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 6
6164. 7
6164. 8
6164. 9
6165. 0
6165. 1
6165. 3
6165. 4
6165. 5
6165. 6
6165. 7
6165. 8
6166. 0
6168. 1
6168. 2
6168. 3
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 3
6178. 4
6178. 5
6178. 6
6179. 0
6179. 1
6185. 1
6185. 2
6185. 3
6185. 4
6185. 5
6185. 6
6185. 7
6185. 8
6185. 9
pull
Entries 54
Mean 186.4
Std Dev 0
2
1
0
−1
−2

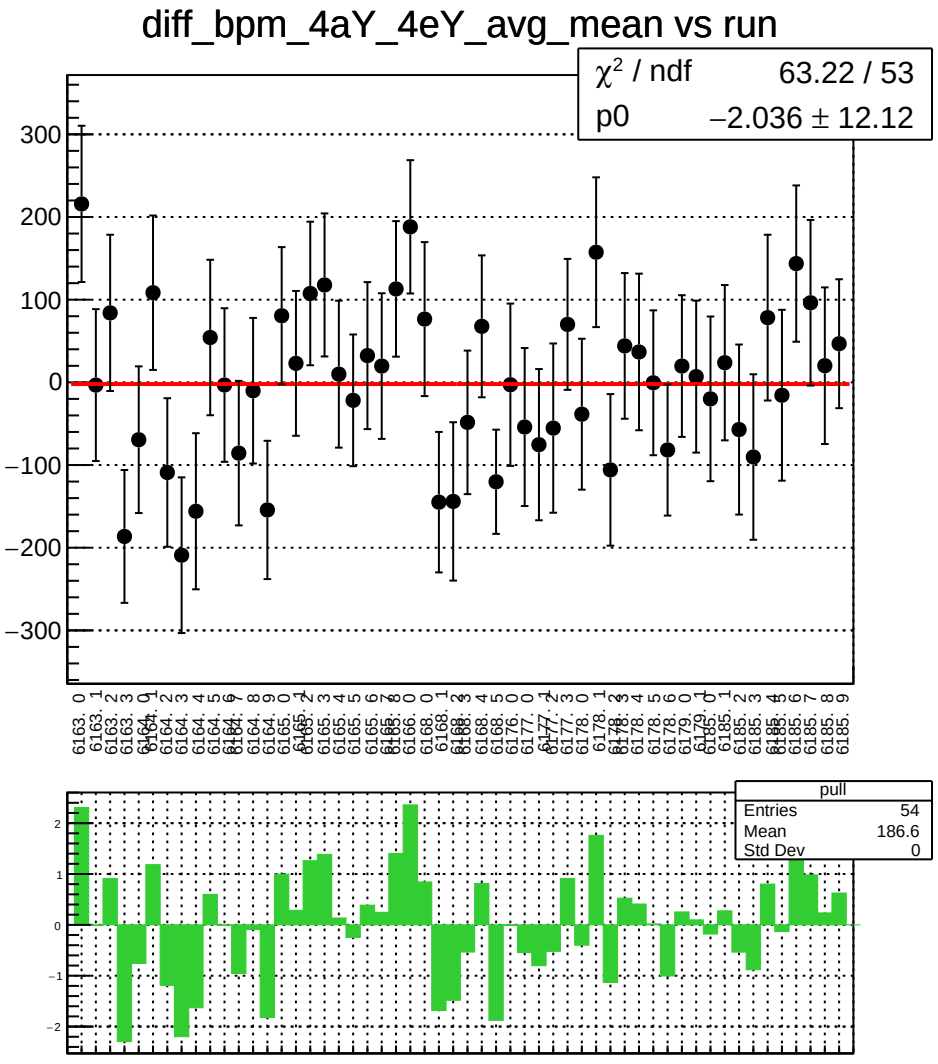

pull1D
Entries 54
Mean 0.01225
Std Dev 1.066
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

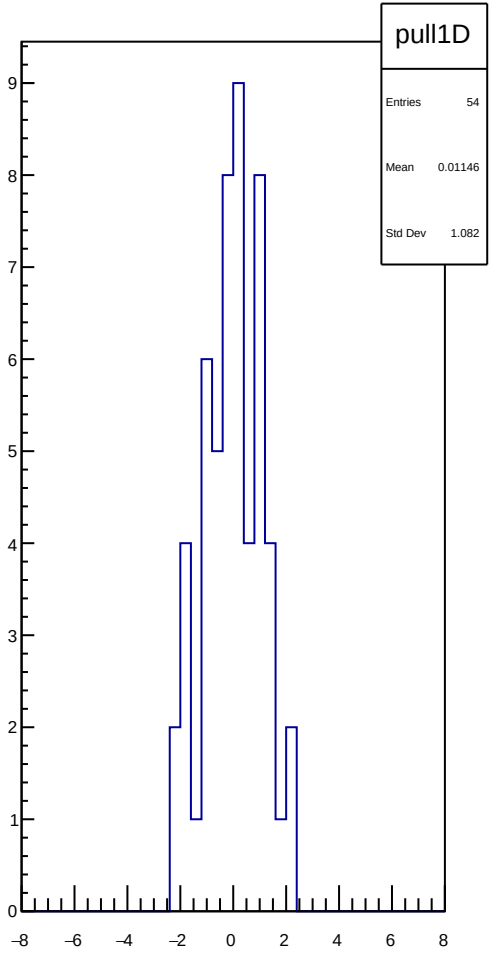

diff_bpm_4aY_4acY_avg_rms vs run
χ² / ndf 3686 / 53
p0 9044 ± 8.914
10500
10000
9500
9000
8500
8000
7500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

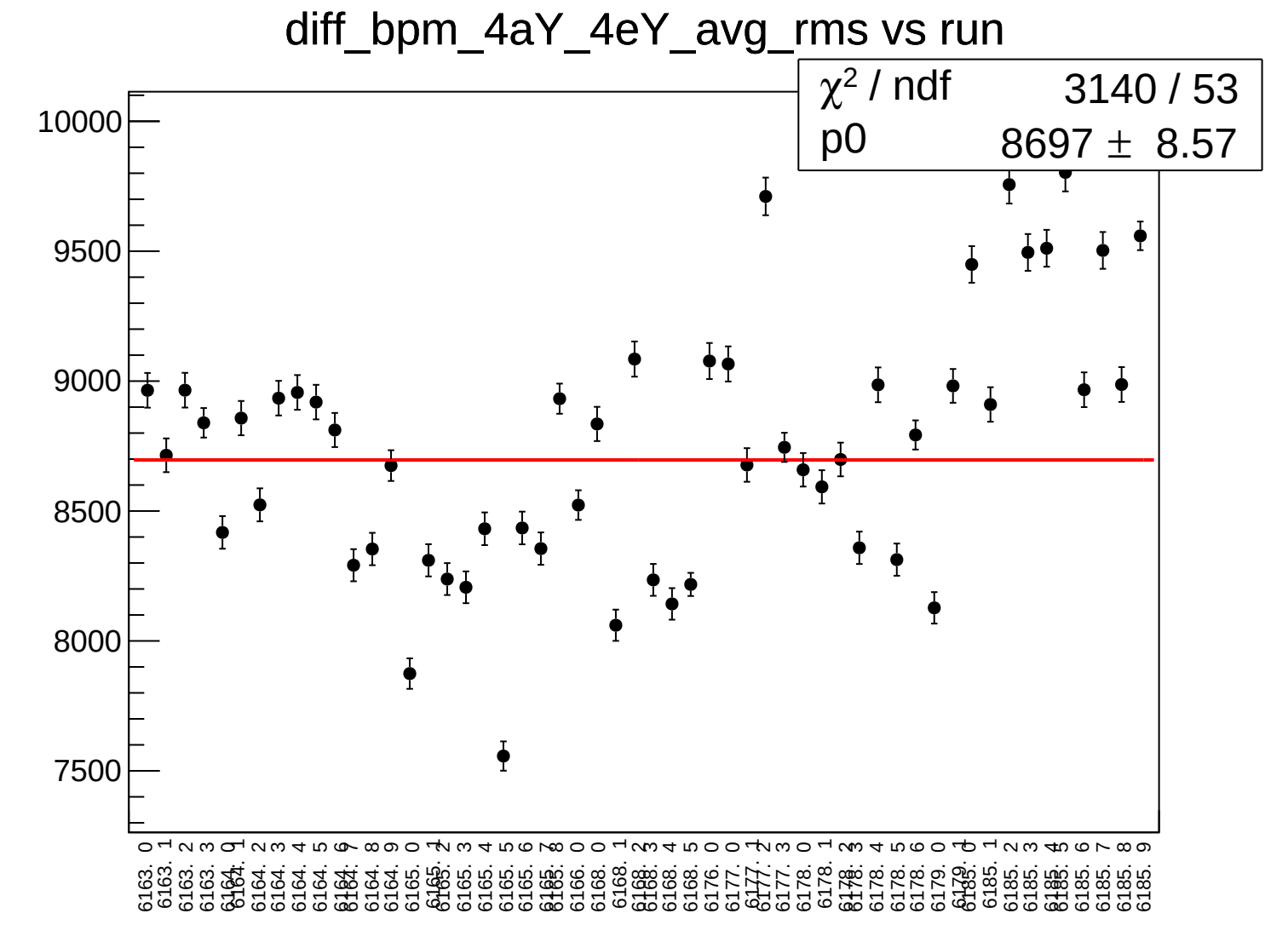

diff_bpm_4aY_4acY_dd_mean vs run
χ² / ndf 73.56 / 53
p0 2.889 ± 1.172
pull
Entries 54
Mean 395.8
Std Dev 0

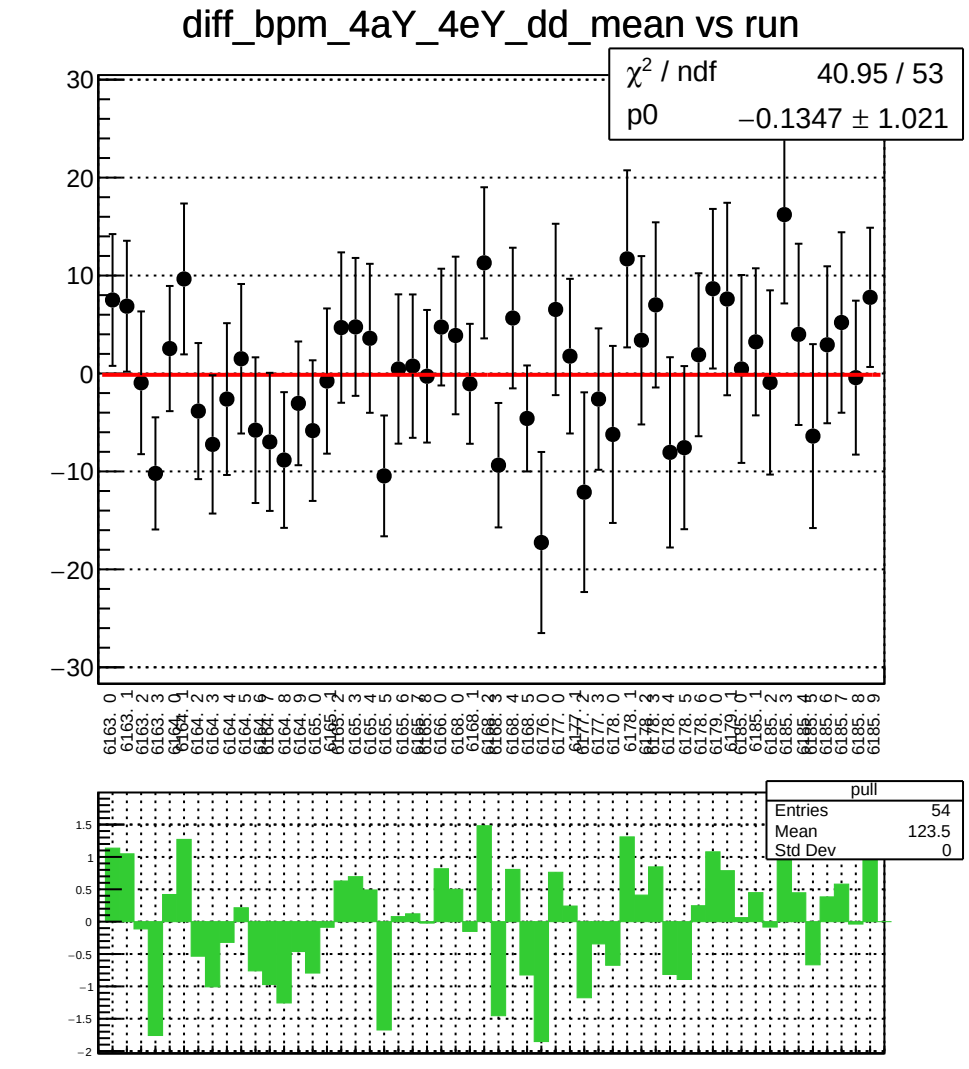

pull1D
Entries 54
Mean 0.002563
Std Dev 1.167

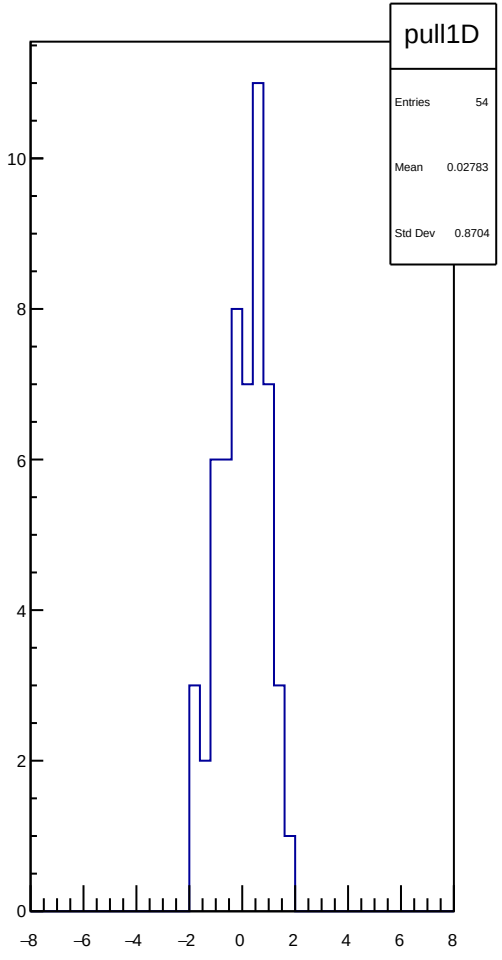

diff_bpm_4aY_4acY_dd_rms vs run
χ² / ndf 2530 / 53
p0 841.4 ± 0.8288
940
920
900
880
860
840
820
800
780
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

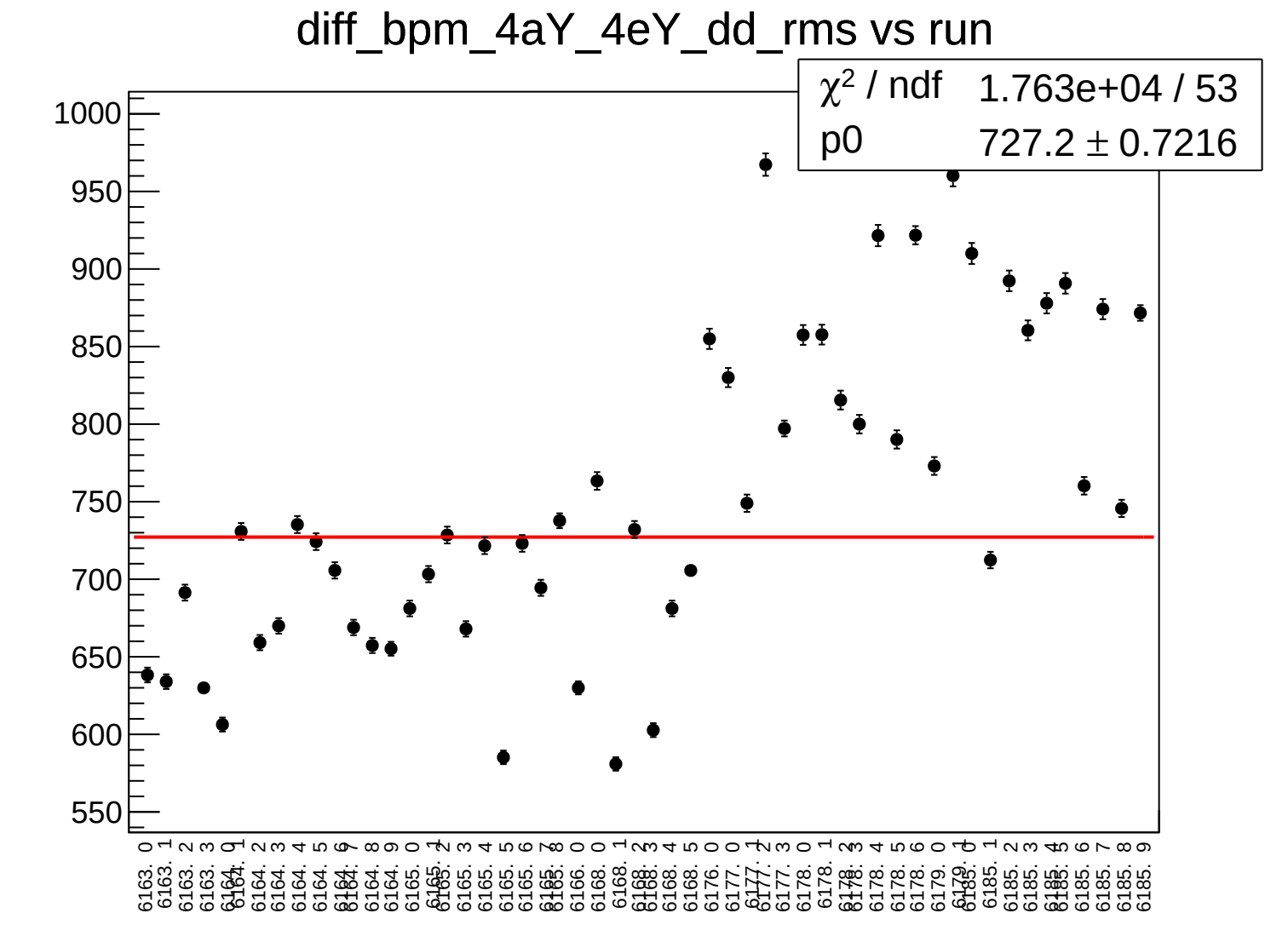

diff_bpm_4aY_4eY_avg_mean vs run
χ² / ndf 63.22 / 53
p0 −2.036 ± 12.12
pull
Entries 54
Mean 186.6
Std Dev 0

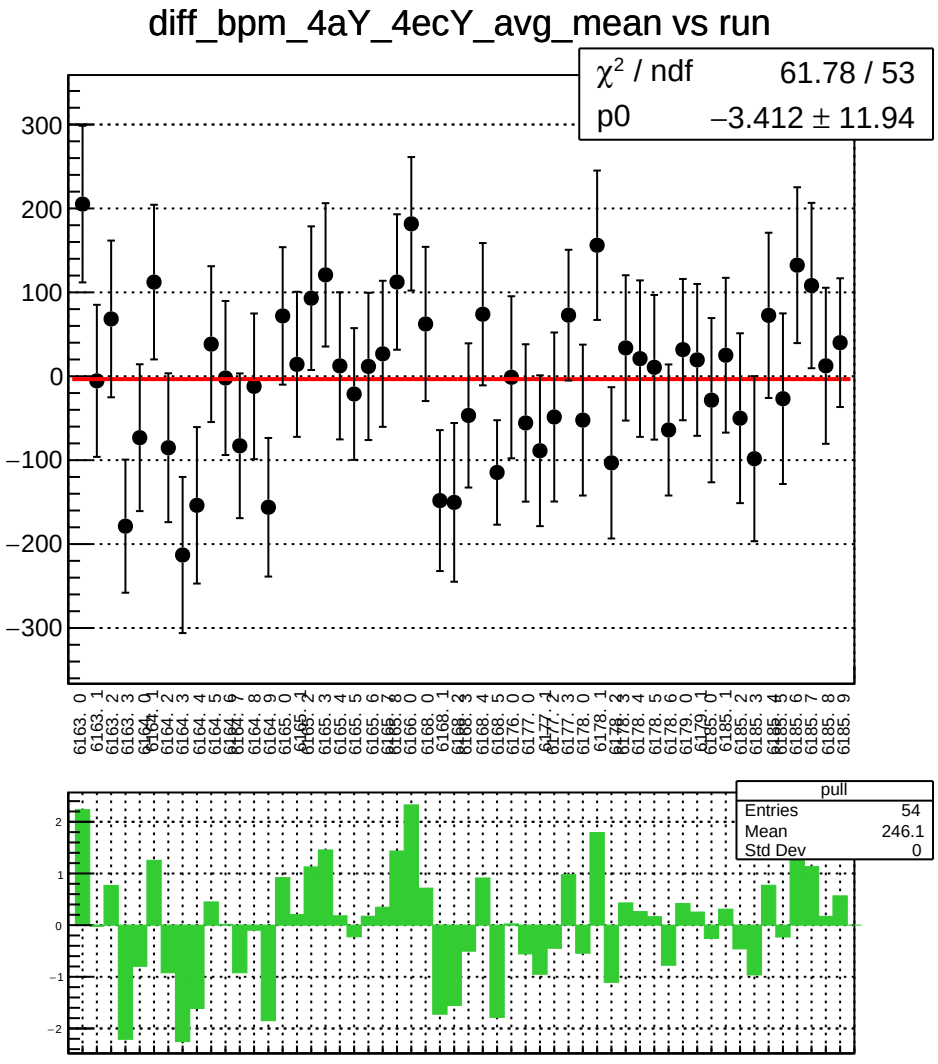

pull1D
Entries 54
Mean 0.01146
Std Dev 1.082

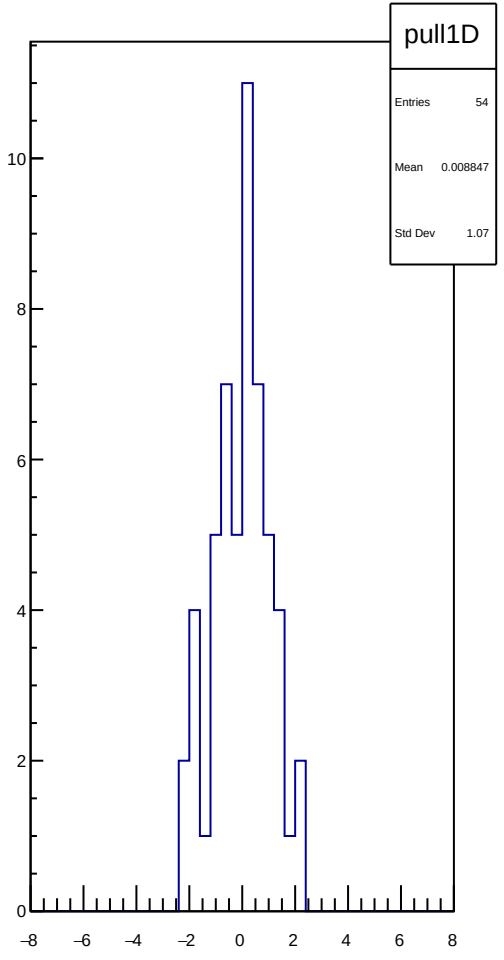

diff_bpm_4aY_4eY_avg_rms vs run
χ² / ndf 3140 / 53
p0 8697 ± 8.57
10000
9500
9000
8500
8000
7500
6163. 0
6163. 1
6163. 2
6163. 3
6163. 9
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 6
6164. 7
6164. 8
6164. 9
6165. 0
6165. 1
6165. 2
6165. 3
6165. 4
6165. 5
6165. 6
6165. 7
6165. 8
6166. 0
6168. 0
6168. 1
6168. 2
6168. 3
6168. 4
6168. 5
6176. 0
6177. 0
6177. 1
6177. 2
6177. 3
6178. 0
6178. 1
6178. 2
6178. 3
6178. 4
6178. 5
6178. 6
6179. 0
6179. 1
6185. 0
6185. 1
6185. 2
6185. 3
6185. 4
6185. 5
6185. 6
6185. 7
6185. 8
6185. 9

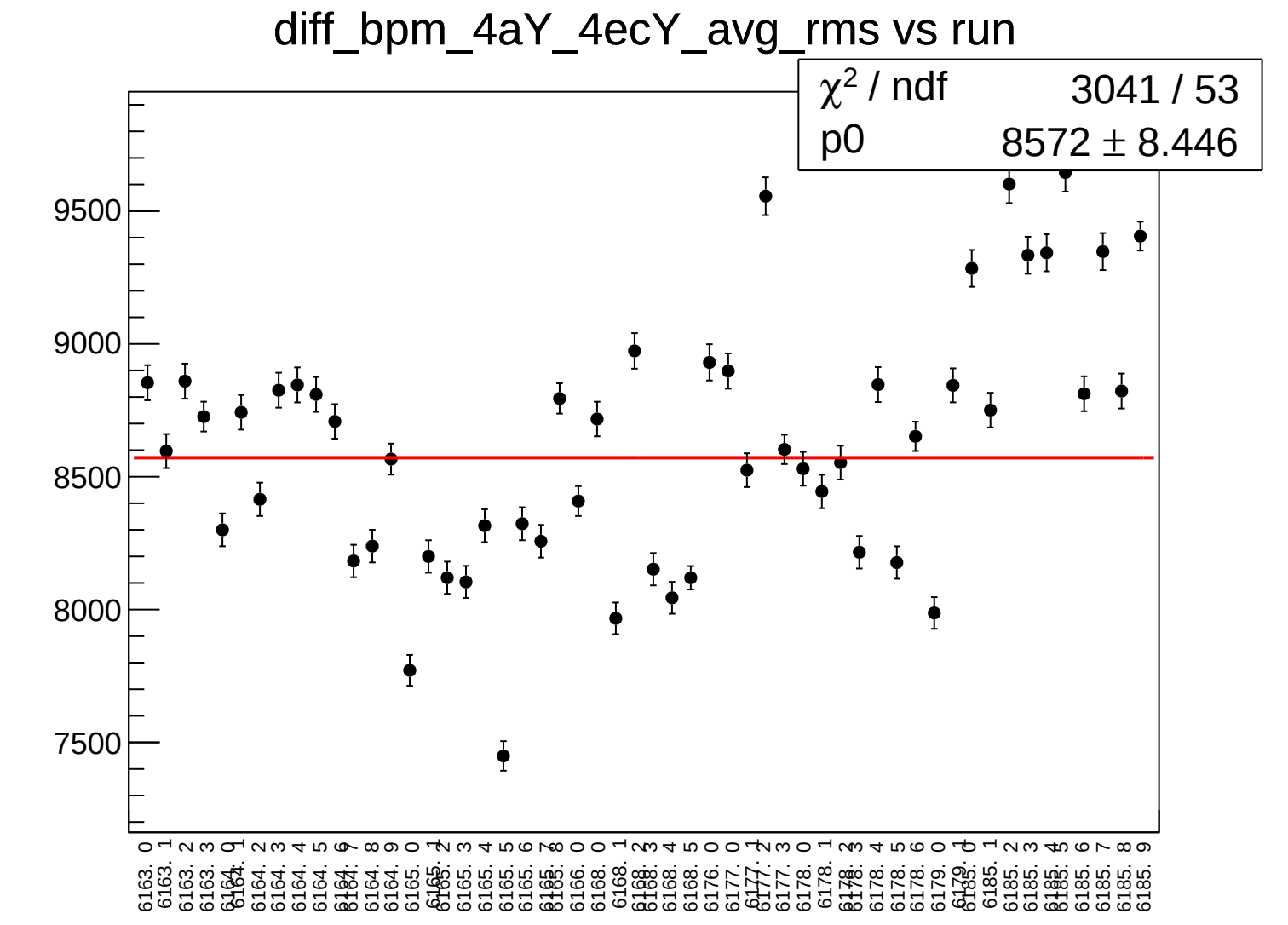

diff_bpm_4aY_4eY_dd_mean vs run
χ² / ndf 40.95 / 53
p0 −0.1347 ± 1.021
pull
Entries 54
Mean 123.5
Std Dev 0

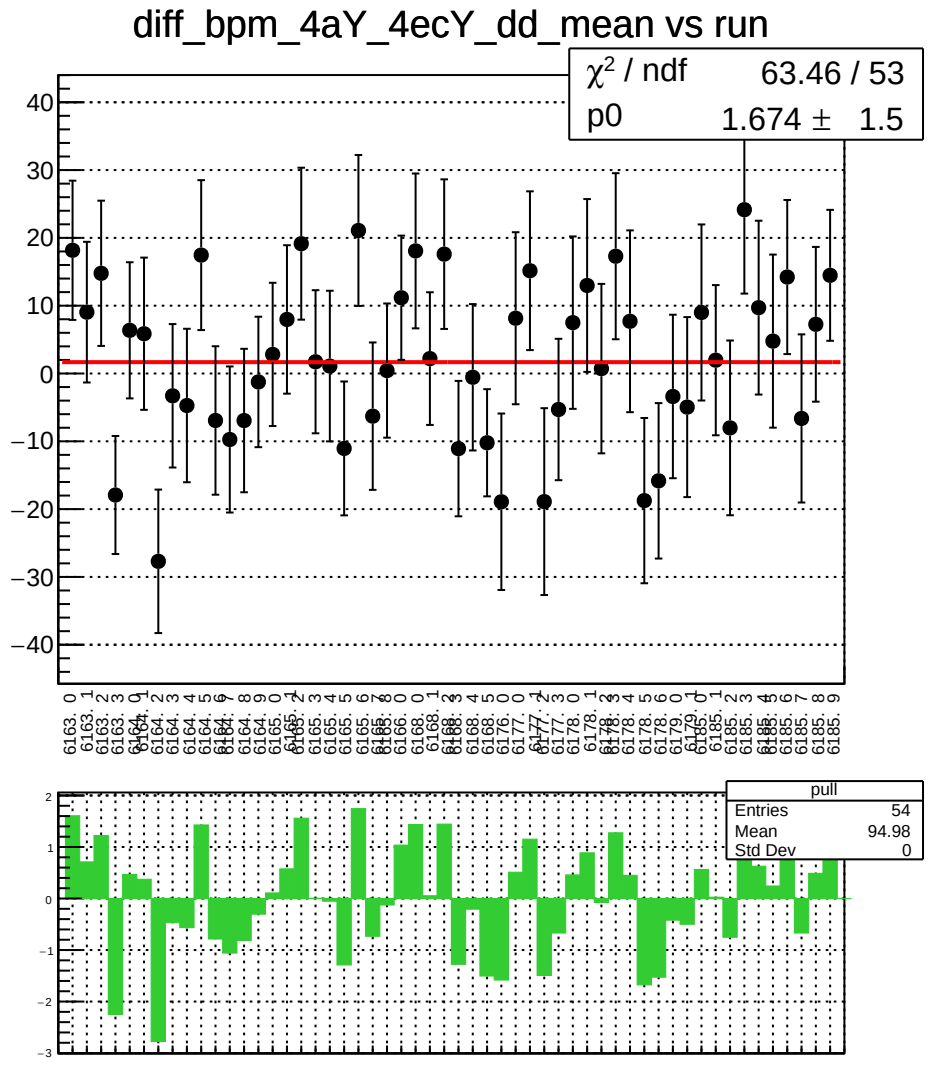

pull1D
Entries 54
Mean 0.02783
Std Dev 0.8704

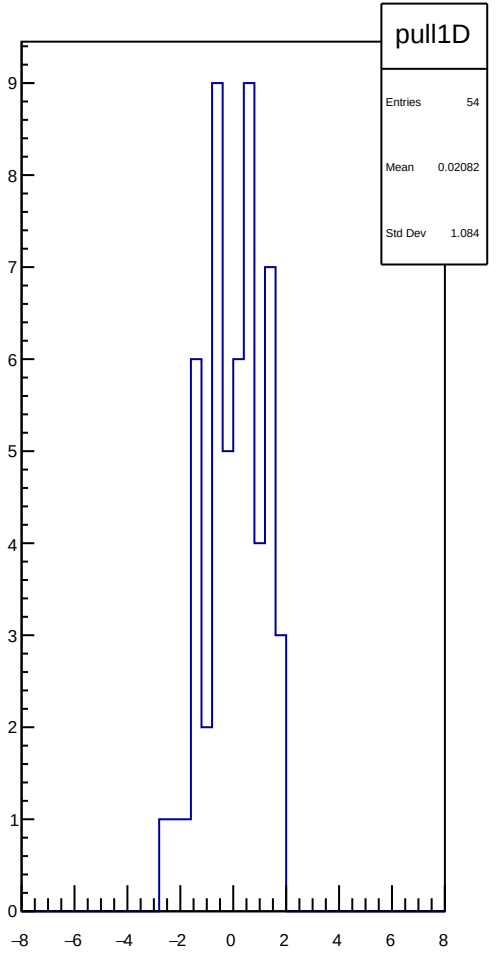

diff_bpm_4aY_4eY_dd_rms vs run
χ² / ndf 1.763e+04 / 53
p0 727.2 ± 0.7216
1000
950
900
850
800
750
700
650
600
550
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

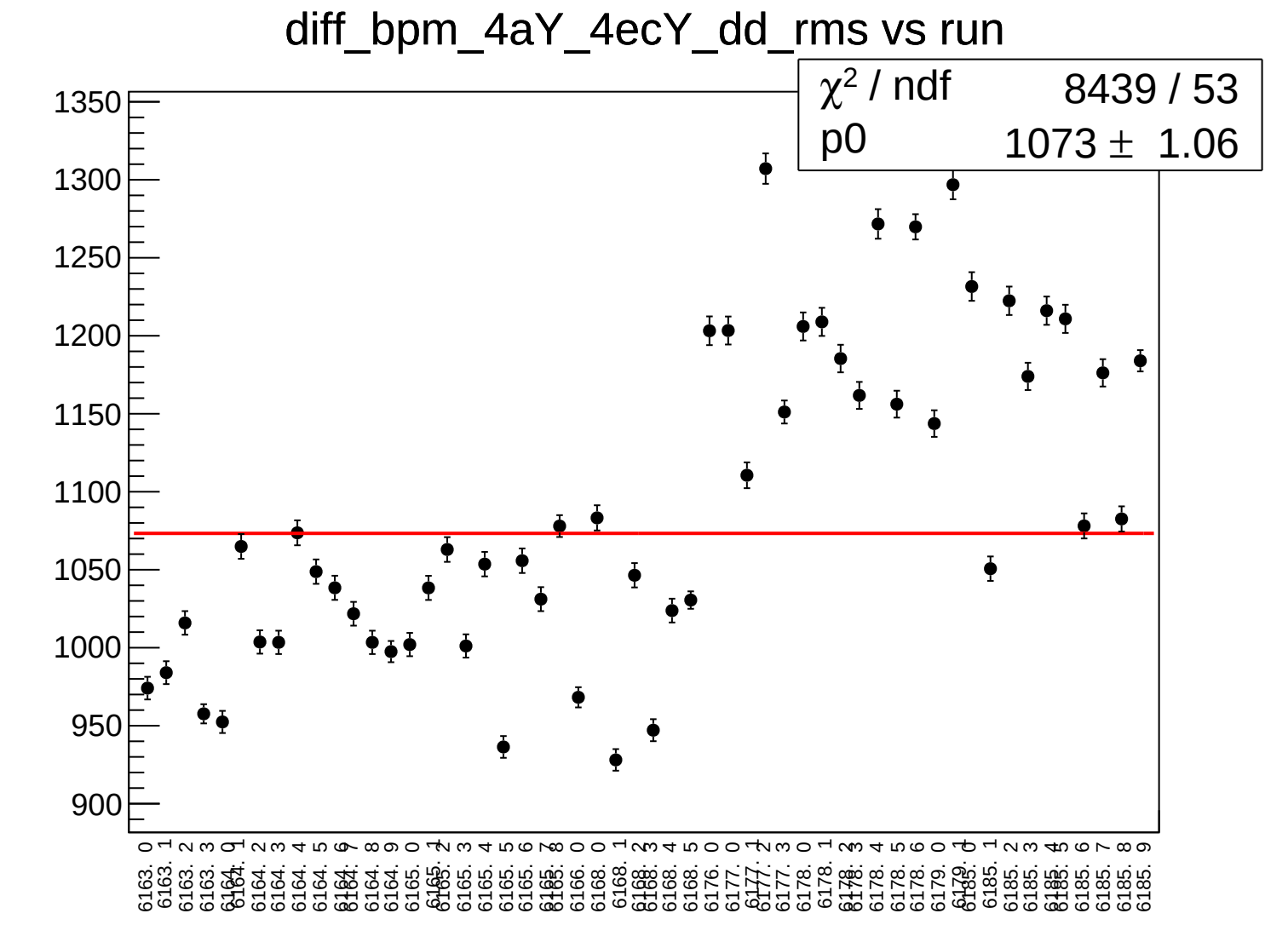

diff_bpm_4aY_4ecY_avg_mean vs run
χ² / ndf 61.78 / 53
p0 −3.412 ± 11.94
pull
Entries 54
Mean 246.1
Std Dev 0

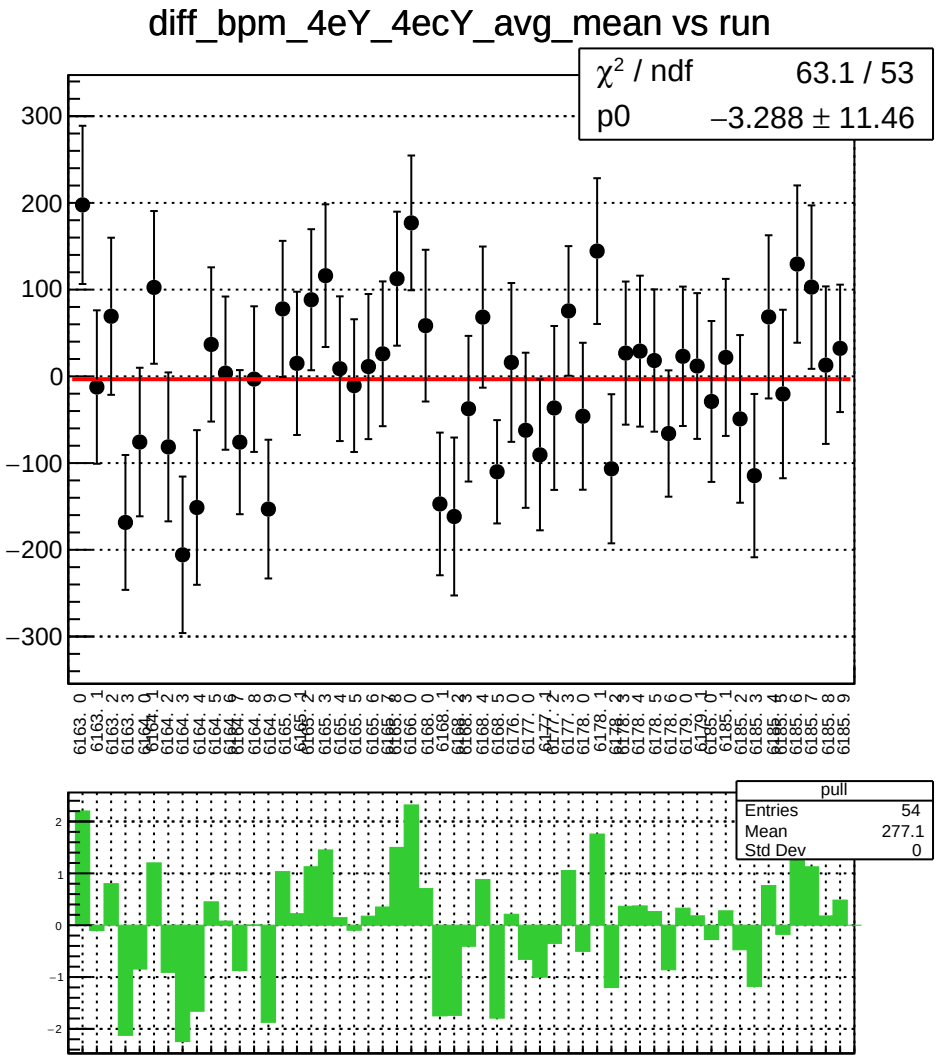

pull1D
Entries 54
Mean 0.008847
Std Dev 1.07

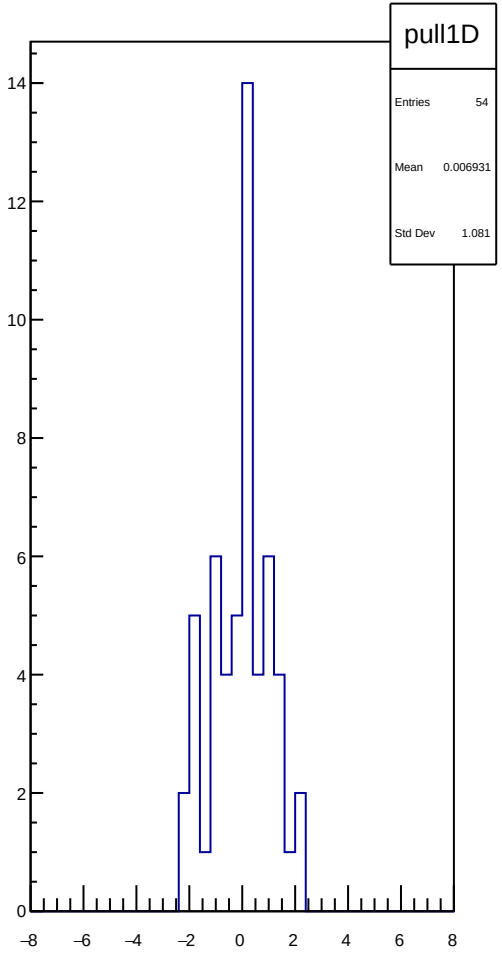

diff_bpm_4aY_4ecY_avg_rms vs run
χ² / ndf 3041 / 53
p0 8572 ± 8.446
9500
9000
8500
8000
7500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

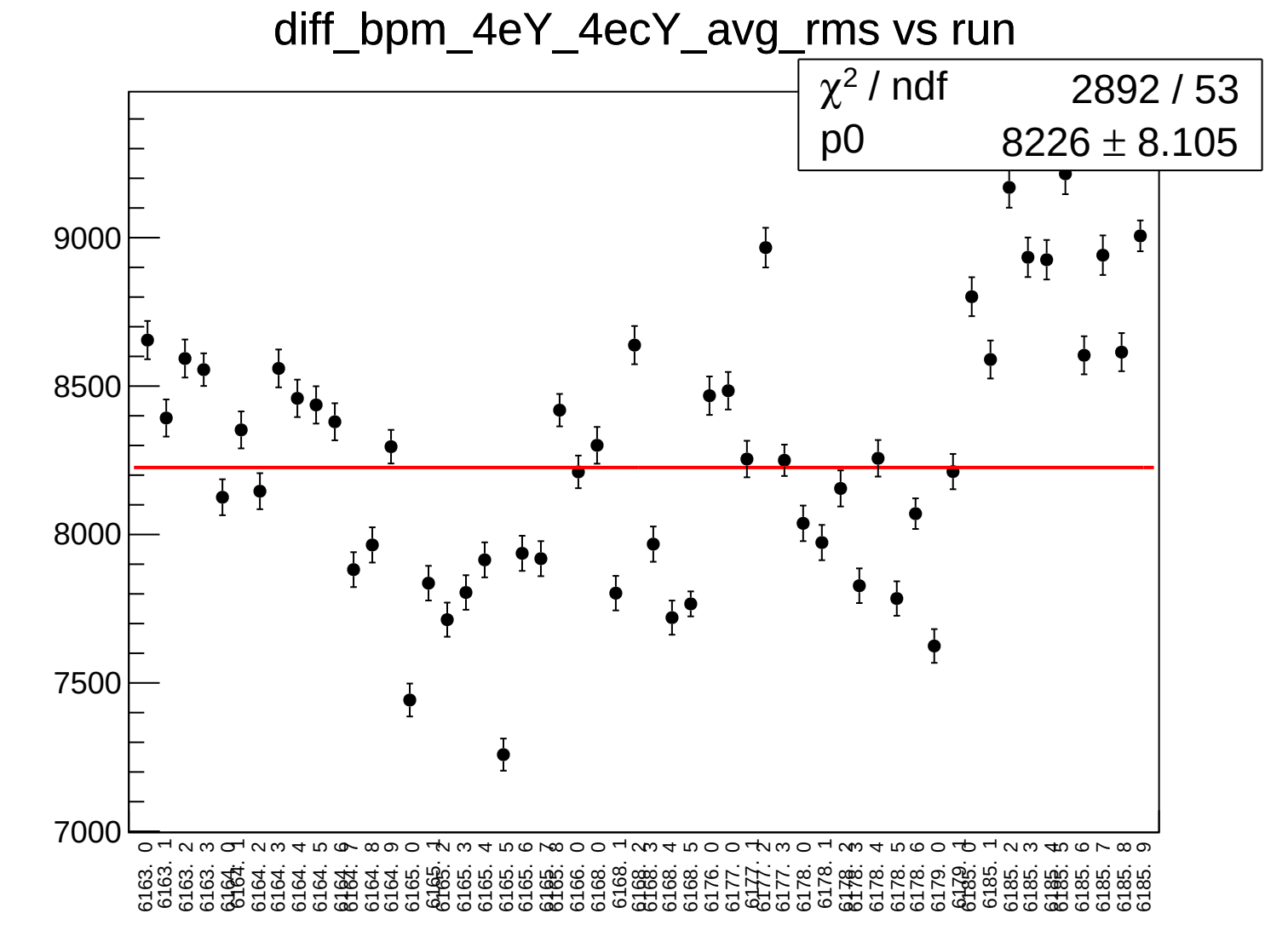

diff_bpm_4aY_4ecY_dd_mean vs run
χ² / ndf 63.46 / 53
p0 1.674 ± 1.5
pull
Entries 54
Mean 94.98
Std Dev 0

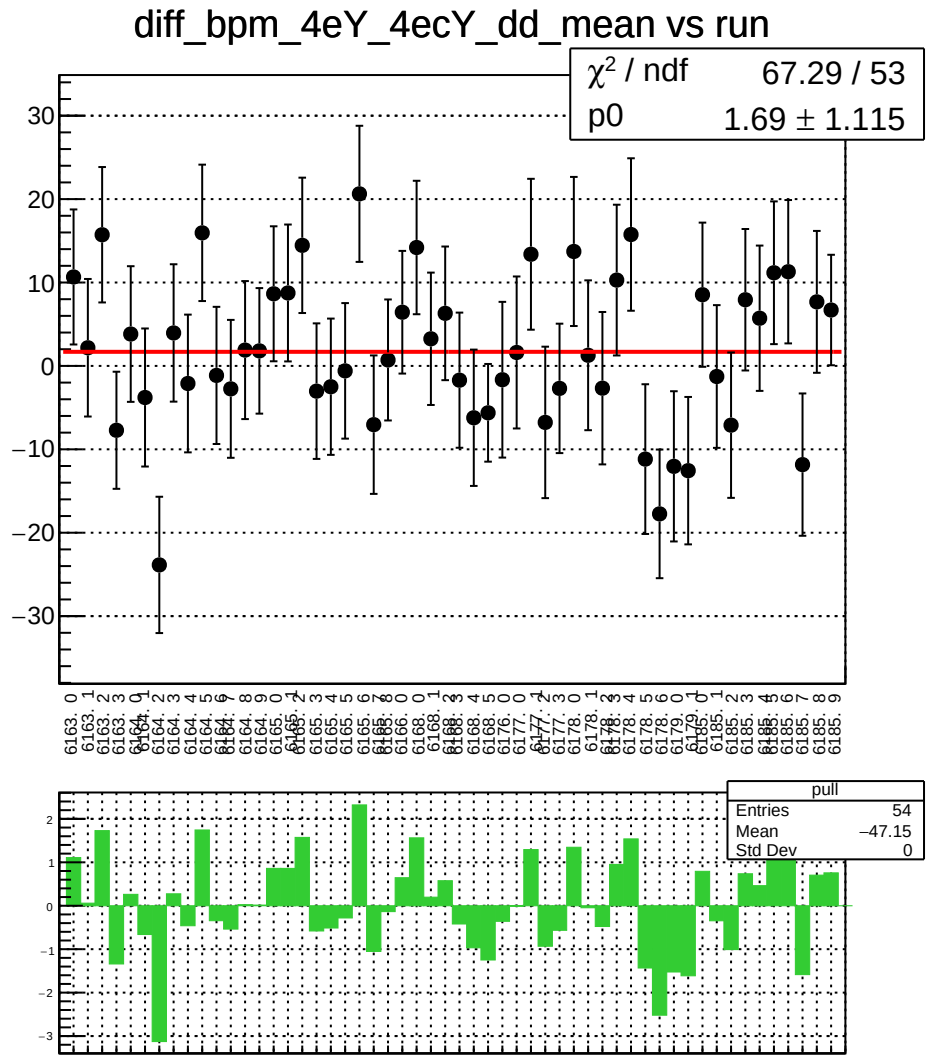

pull1D
Entries 54
Mean 0.02082
Std Dev 1.084

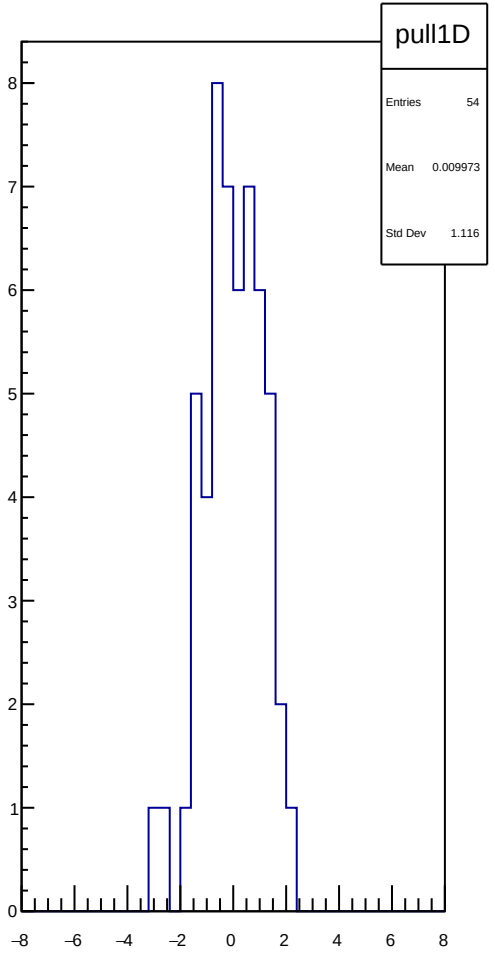

diff_bpm_4aY_4ecY_dd_rms vs run
χ² / ndf 8439 / 53
p0 1073 ± 1.06
1350
1300
1250
1200
1150
1100
1050
1000
950
900
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

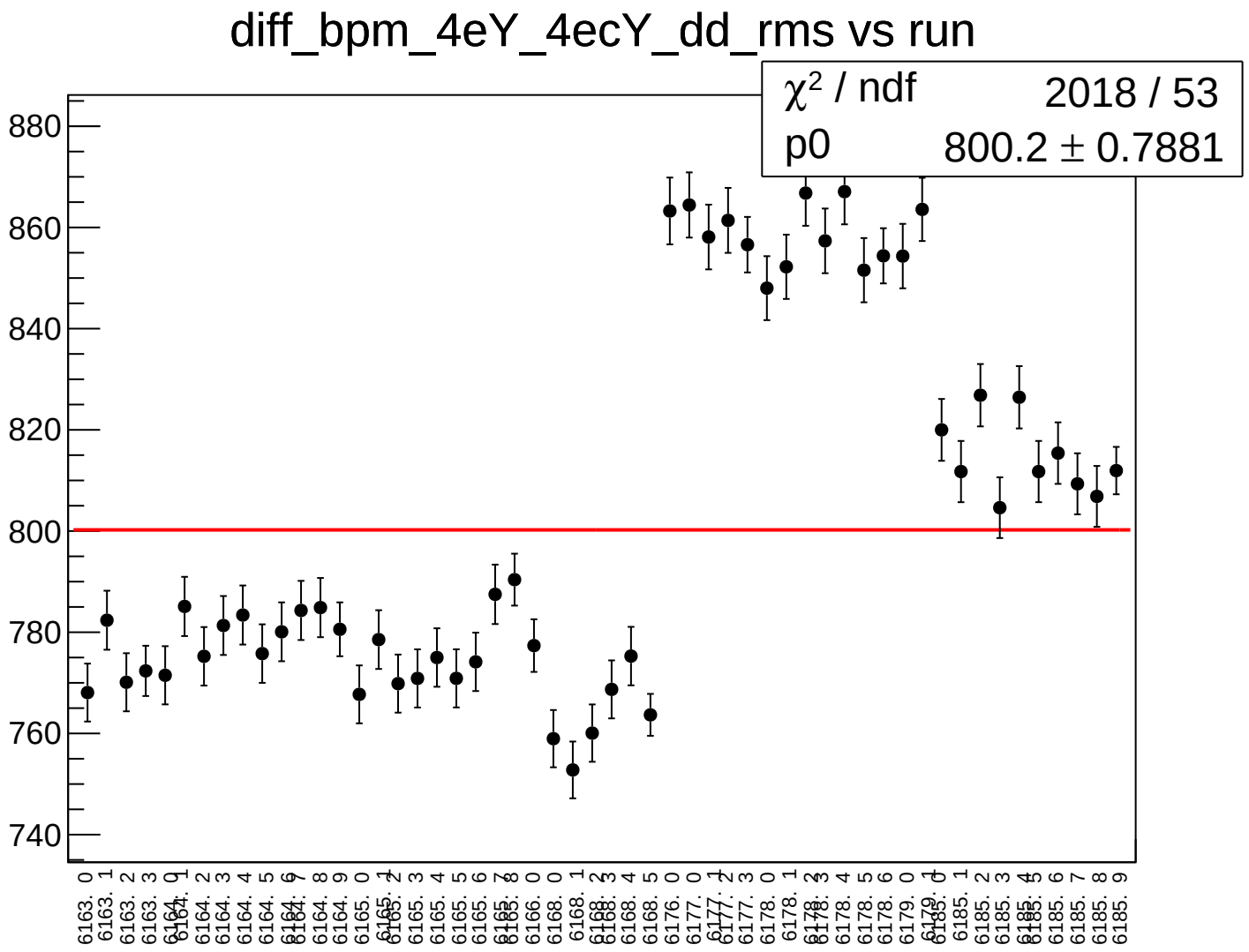

diff_bpm_4eY_4ecY_avg_mean vs run
χ² / ndf 63.1 / 53
p0 −3.288 ± 11.46
300
200
100
0
−100
−200
−300
pull
Entries 54
Mean 277.1
Std Dev 0
2
1
0
−1
−2

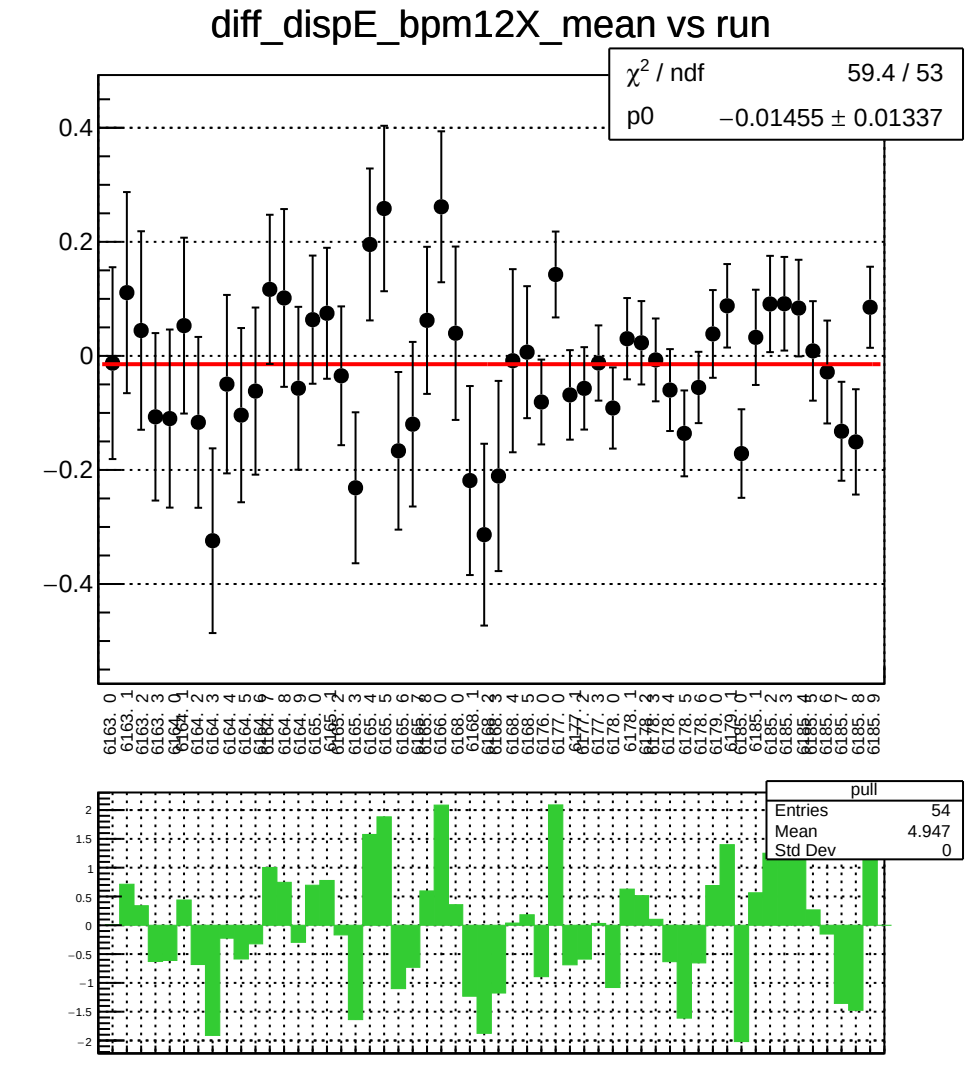

pull1D
Entries 54
Mean 0.006931
Std Dev 1.081
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

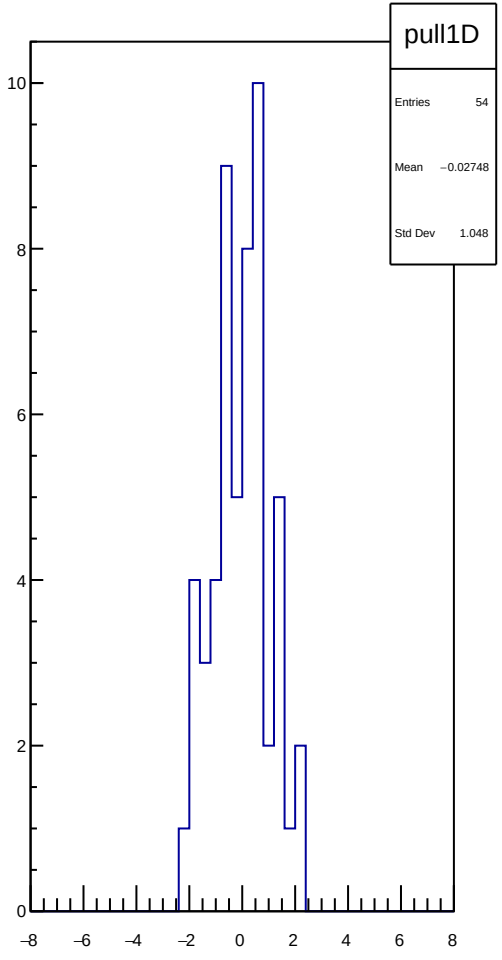

diff_bpm_4eY_4ecY_avg_rms vs run
χ² / ndf 2892 / 53
p0 8226 ± 8.105
9000
8500
8000
7500
7000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

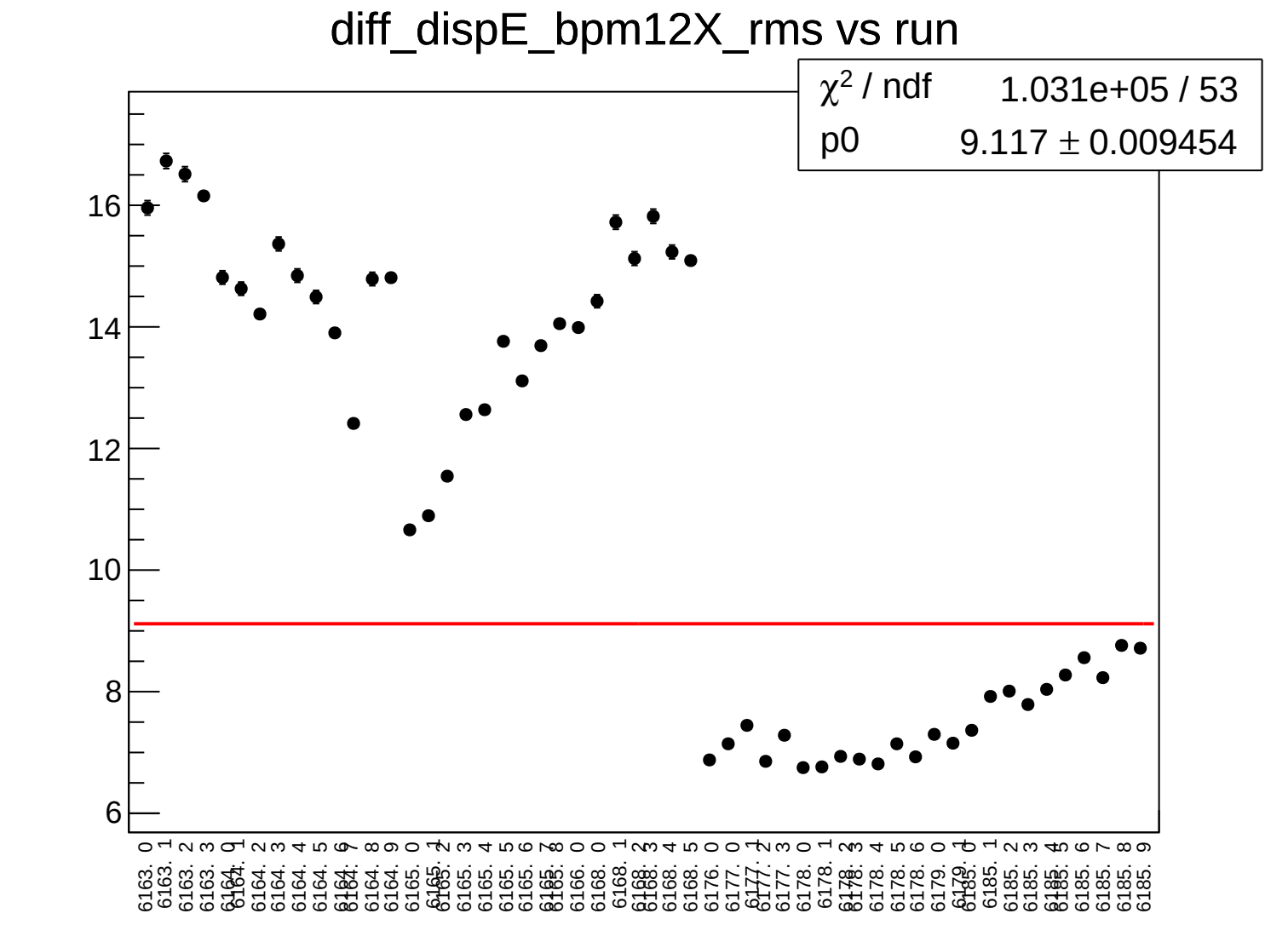

diff_bpm_4eY_4ecY_dd_mean vs run
χ² / ndf 67.29 / 53
p0 1.69 ± 1.115
pull
Entries 54
Mean −47.15
Std Dev 0

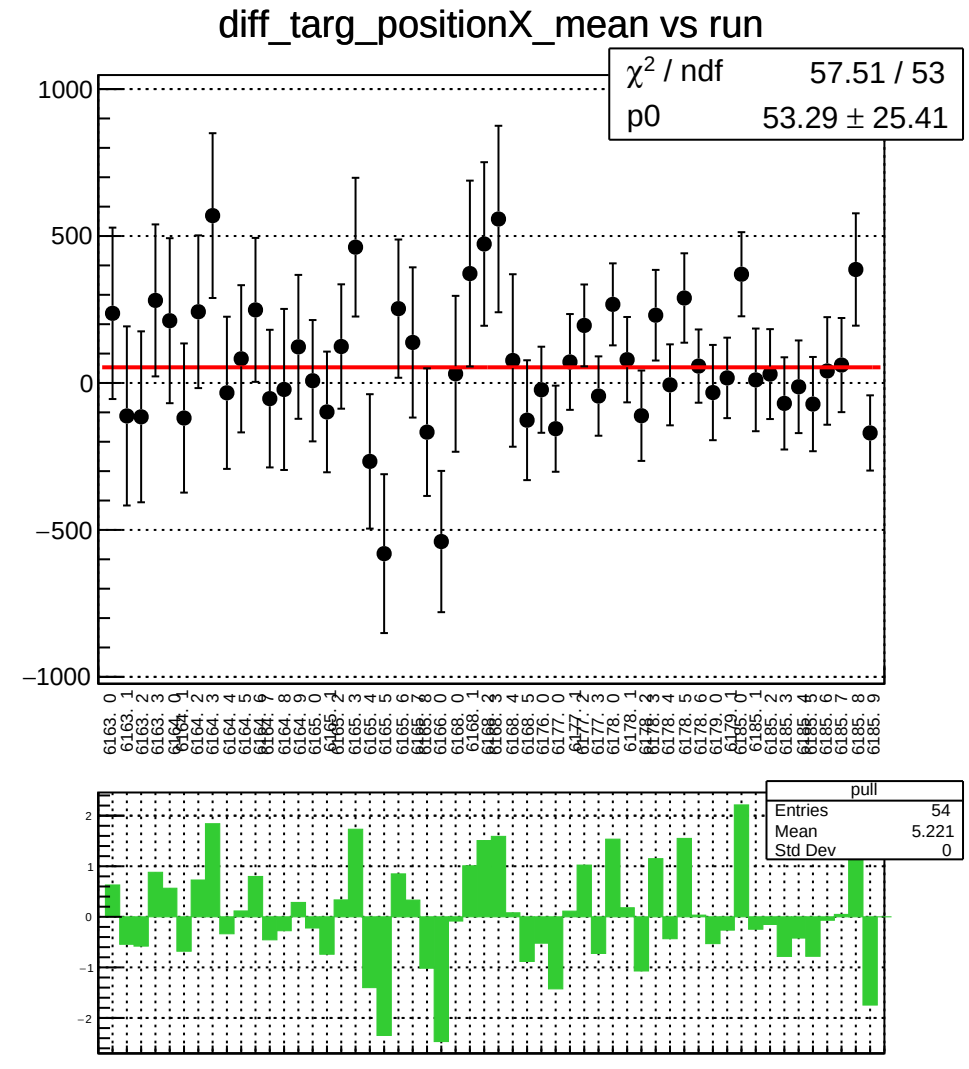

pull1D
Entries 54
Mean 0.009973
Std Dev 1.116

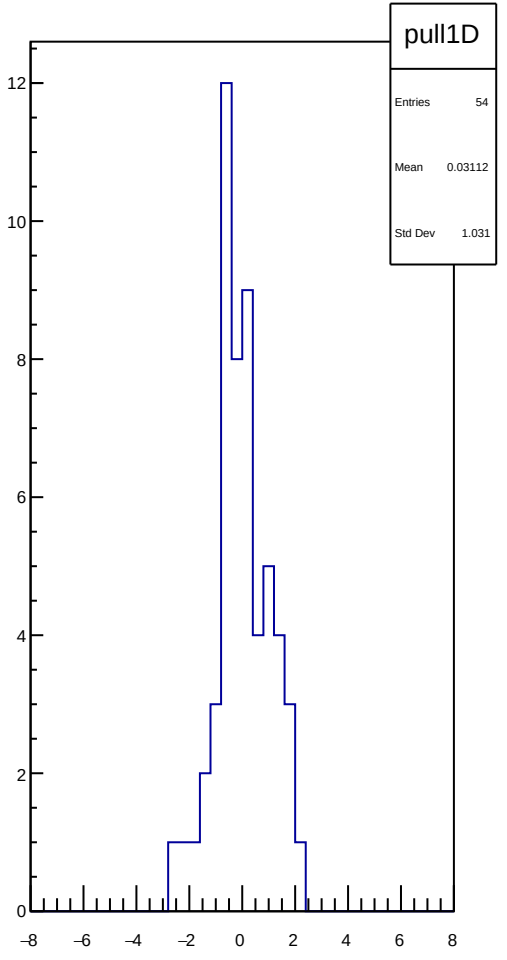

diff_bpm_4eY_4ecY_dd_rms vs run
χ² / ndf 2018 / 53
p0 800.2 ± 0.7881
880
860
840
820
800
780
760
740
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

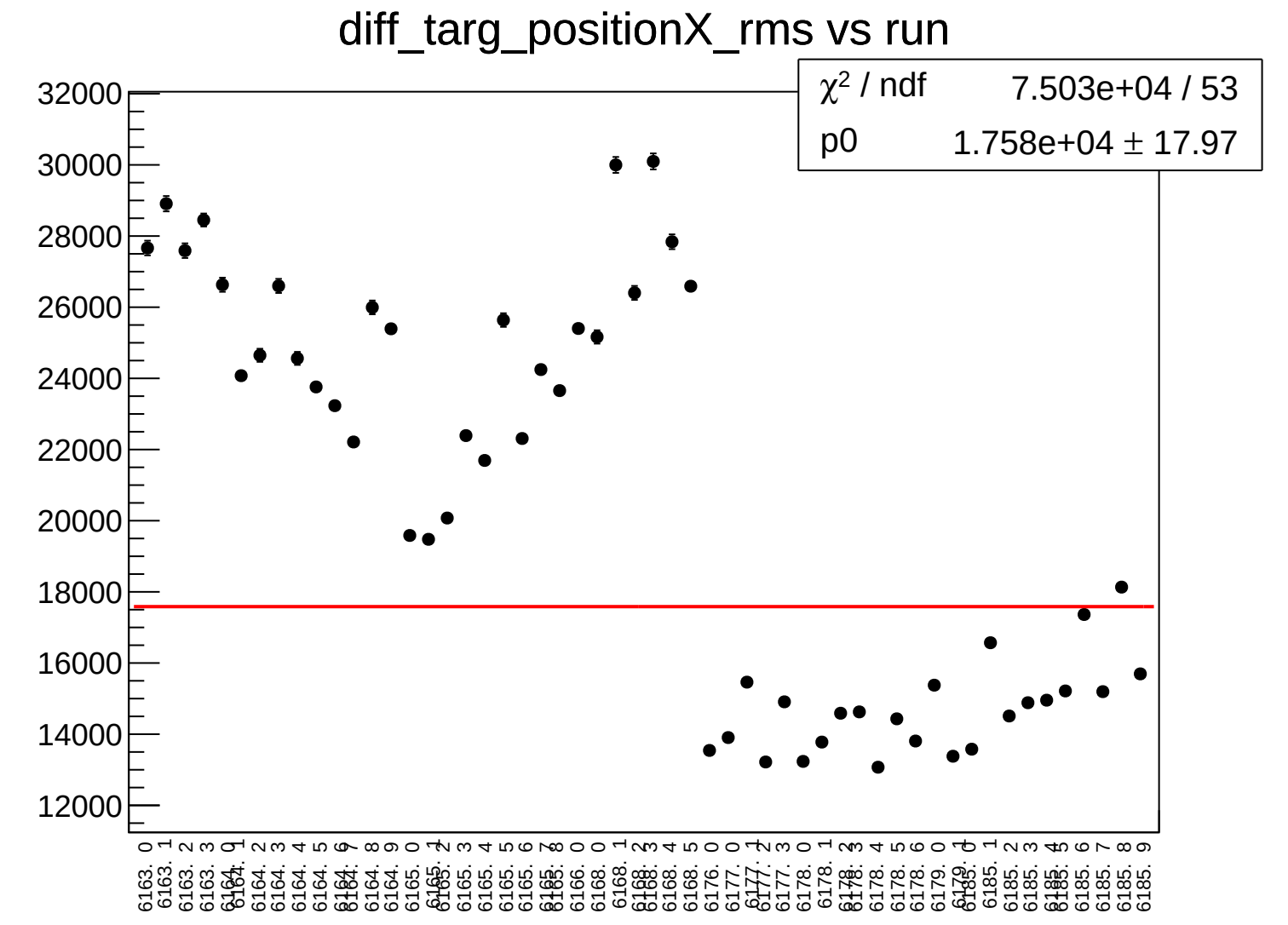

diff_dispE_bpm12X_mean vs run
χ² / ndf 59.4 / 53
p0 −0.01455 ± 0.01337
pull
Entries 54
Mean 4.947
Std Dev 0

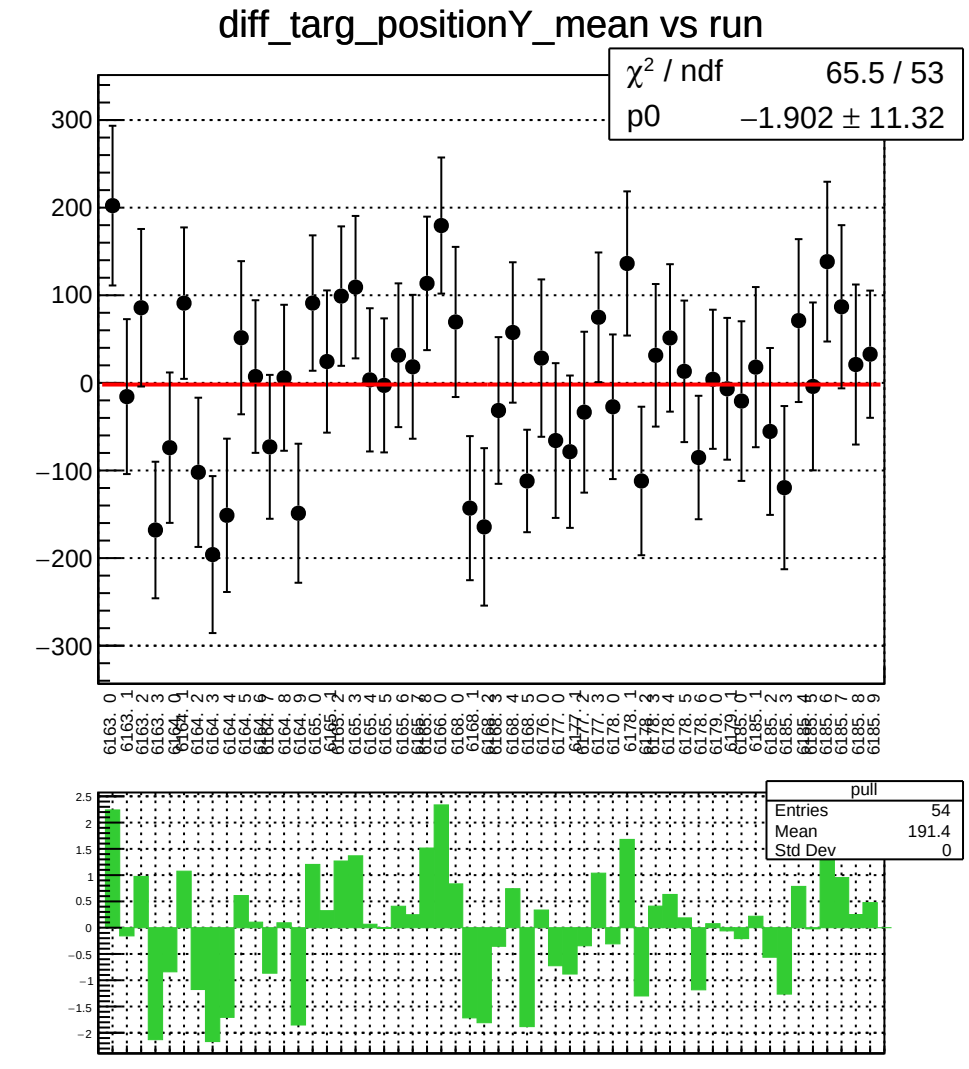

pull1D
Entries 54
Mean −0.02748
Std Dev 1.048

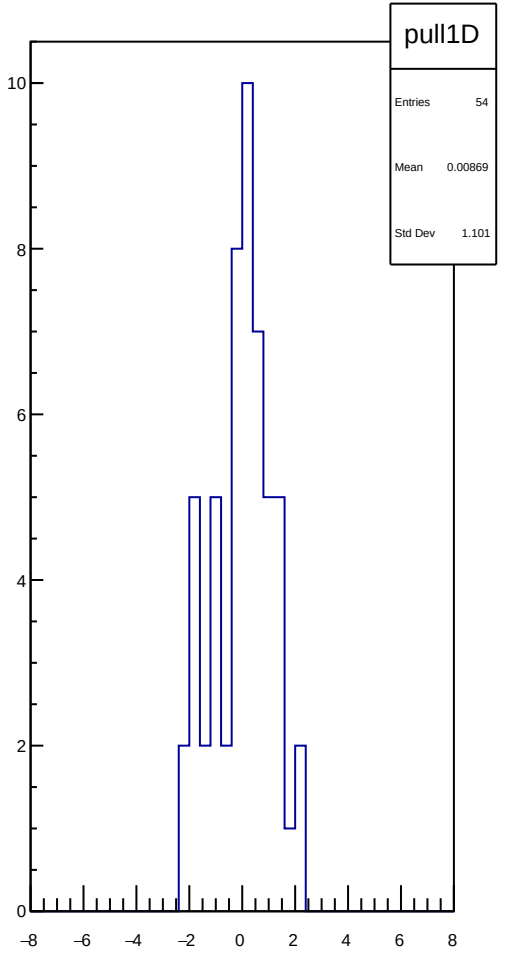

diff_dispE_bpm12X_rms vs run
χ^2 / ndf 1.031e+05 / 53
p0 9.117 ± 0.009454
16
14
12
10
8
6
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

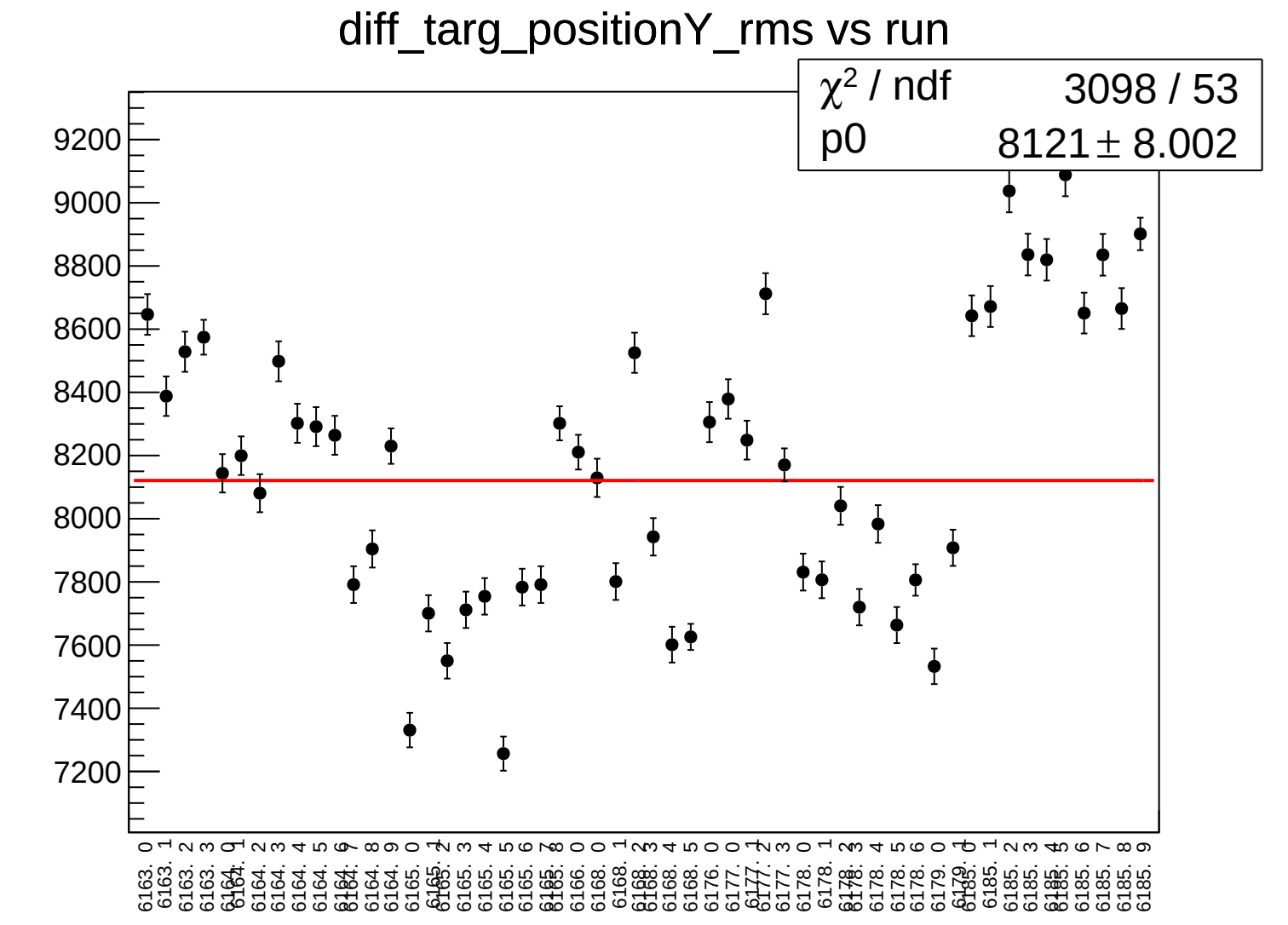

diff_targ_positionX_mean vs run
χ² / ndf 57.51 / 53
p0 53.29 ± 25.41
1000
500
0
−500
−1000
pull
Entries 54
Mean 5.221
Std Dev 0
2
1
0
−1
−2

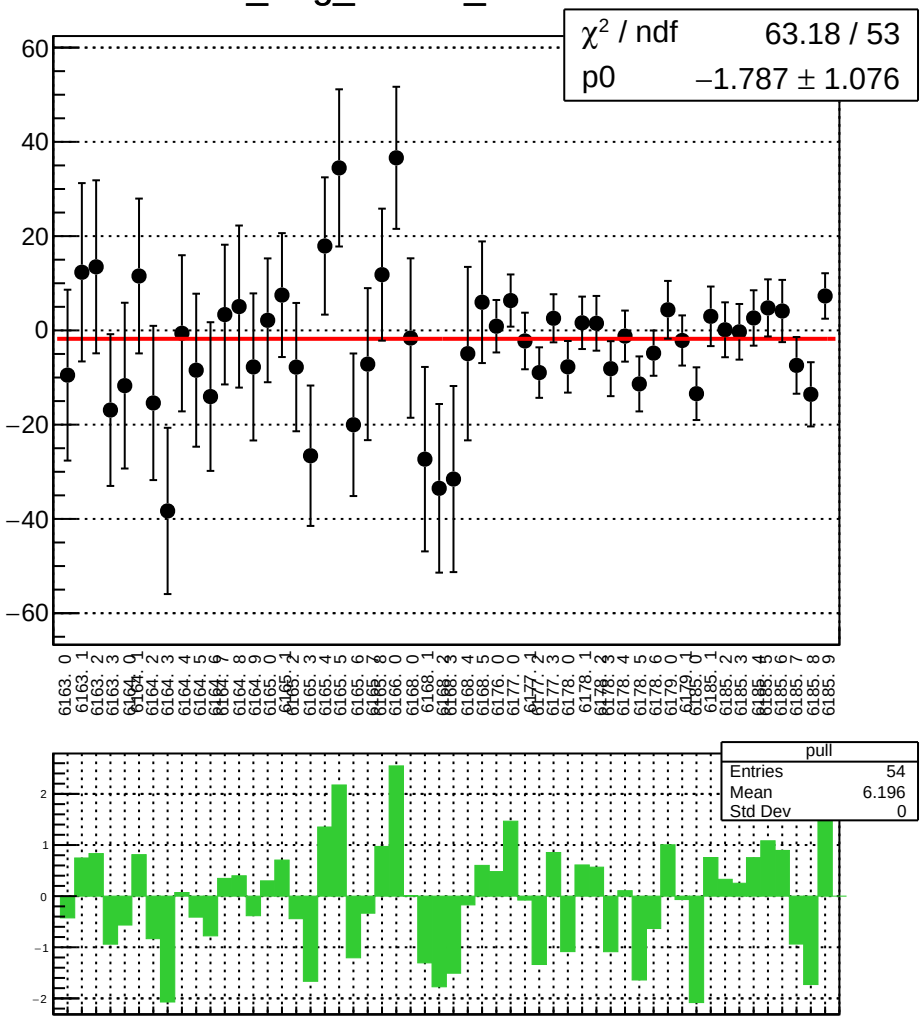

pull1D
Entries 54
Mean 0.03112
Std Dev 1.031
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

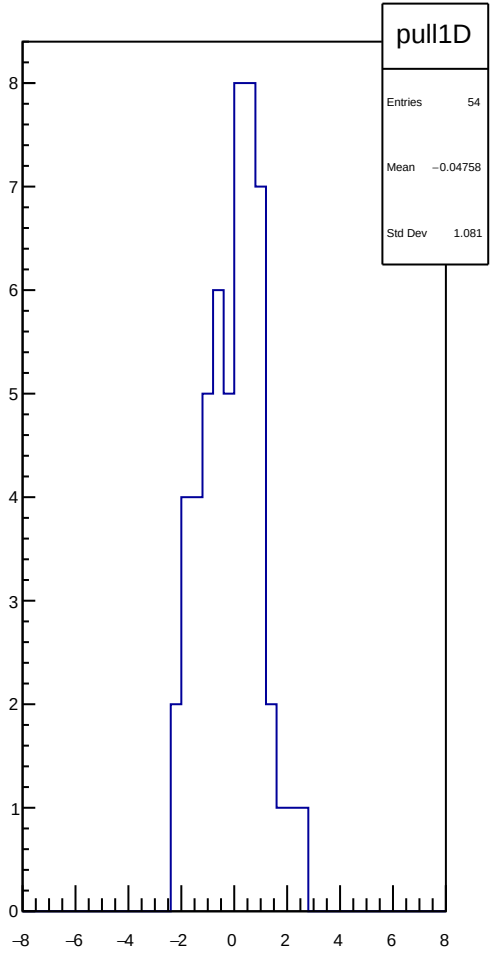

diff_targ_positionX_rms vs run
χ² / ndf 7.503e+04 / 53
p0 1.758e+04 ± 17.97
32000
30000
28000
26000
24000
22000
20000
18000
16000
14000
12000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

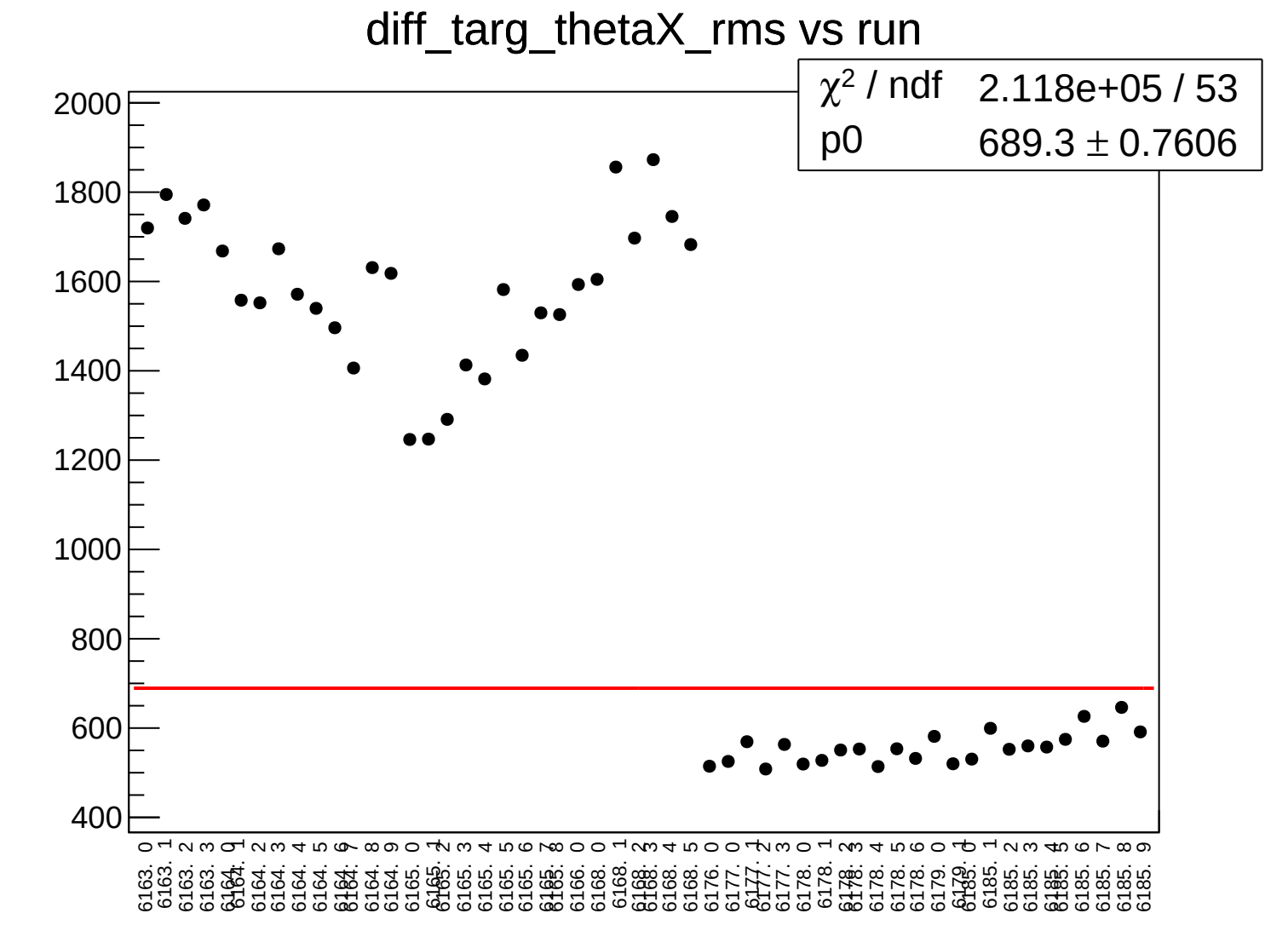

diff_targ_positionY_mean vs run
χ² / ndf 65.5 / 53
p0 −1.902 ± 11.32
pull
Entries 54
Mean 191.4
Std Dev 0

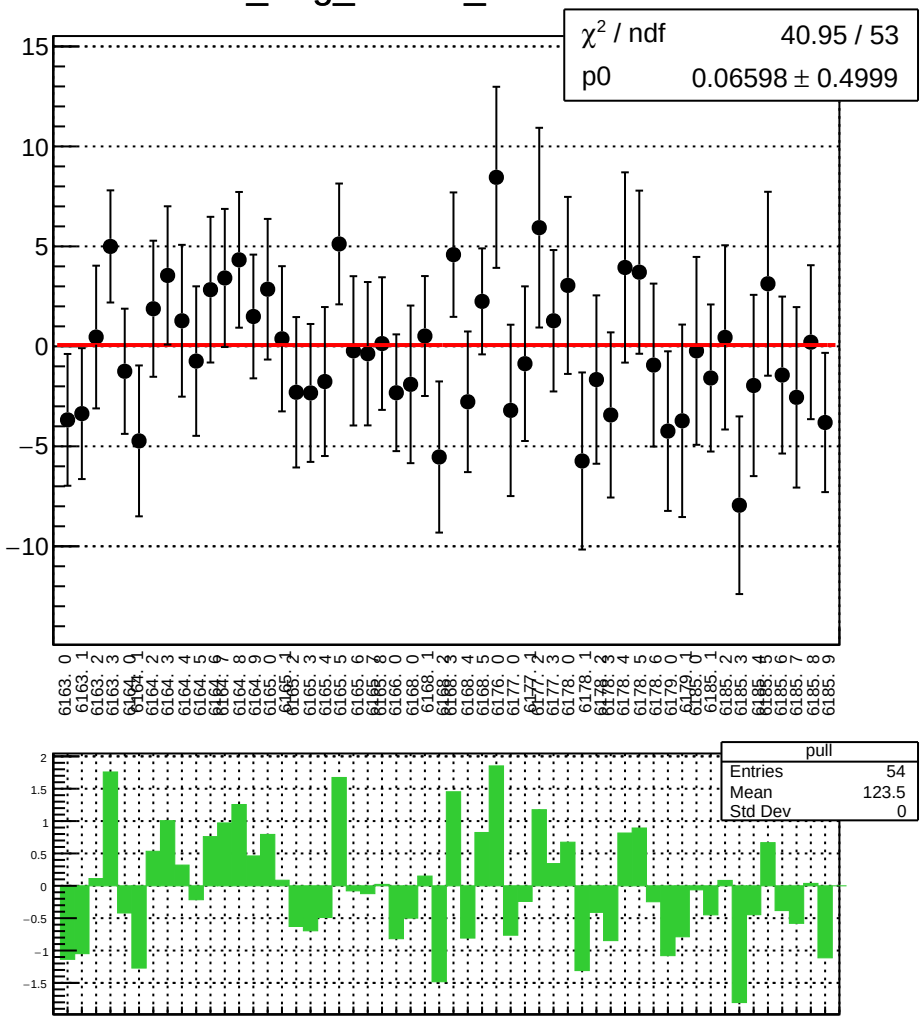

pull1D
Entries 54
Mean 0.00869
Std Dev 1.101

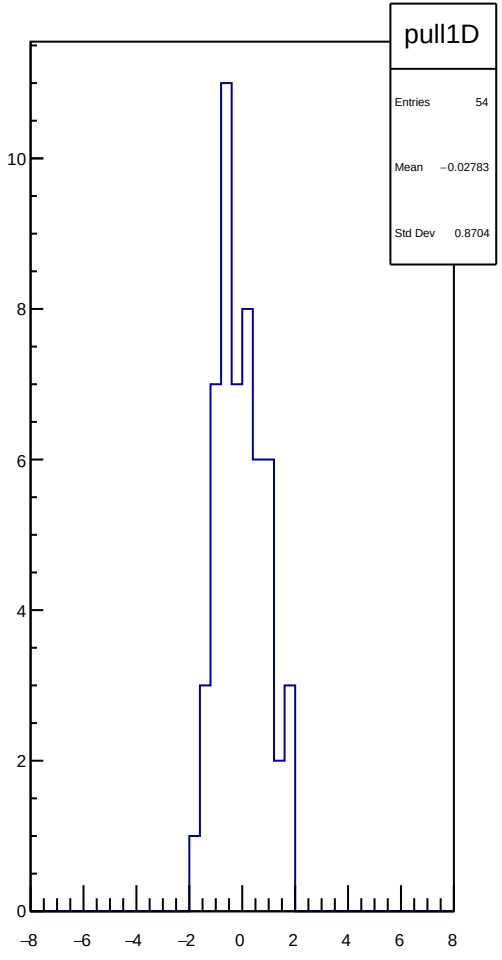

diff_targ_positionY_rms vs run
χ² / ndf 3098 / 53
p0 8121 ± 8.002
9200
9000
8800
8600
8400
8200
8000
7800
7600
7400
7200
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

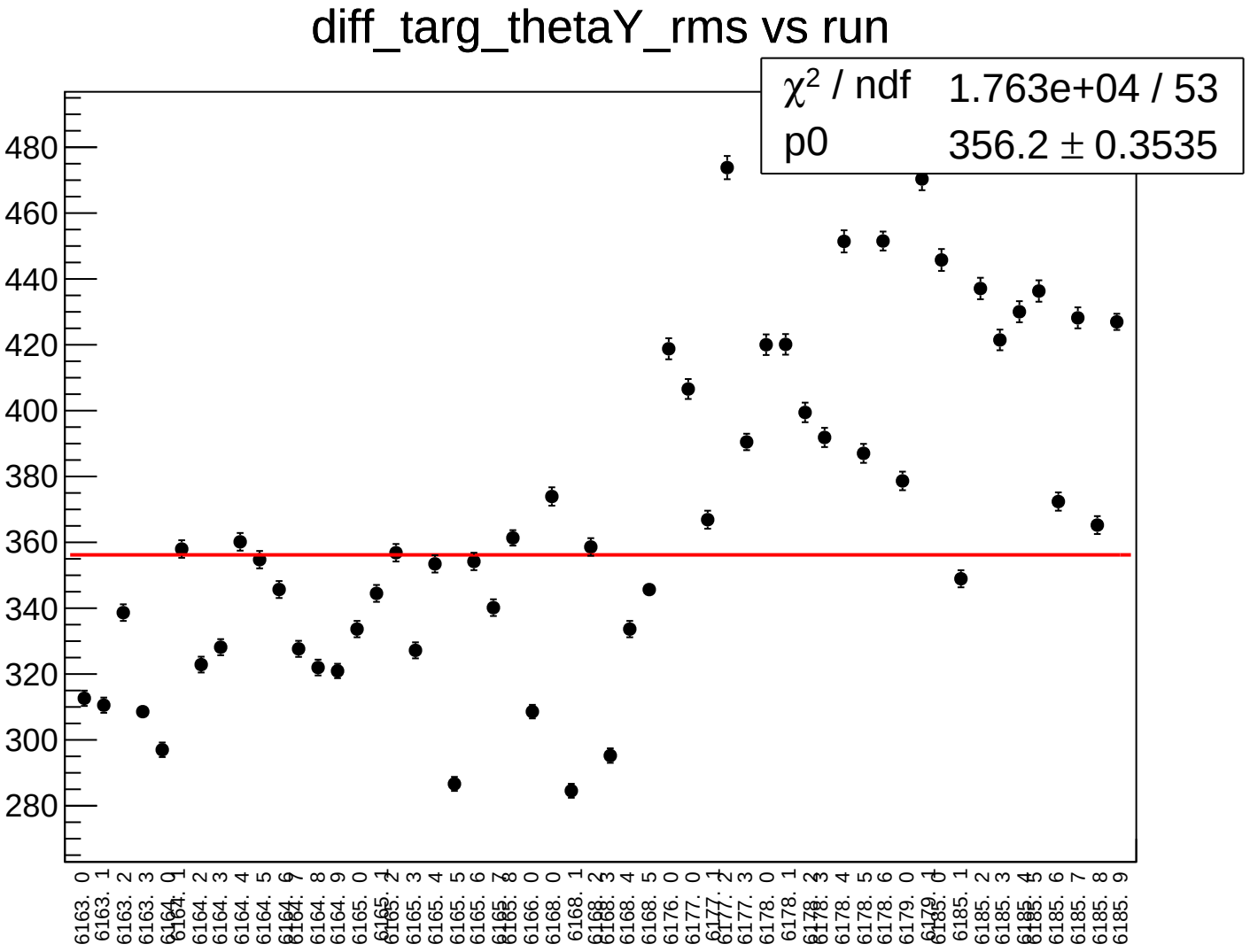

diff_targ_thetaX_mean vs run
χ² / ndf 63.18 / 53
p0 −1.787 ± 1.076
pull
Entries 54
Mean 6.196
Std Dev 0

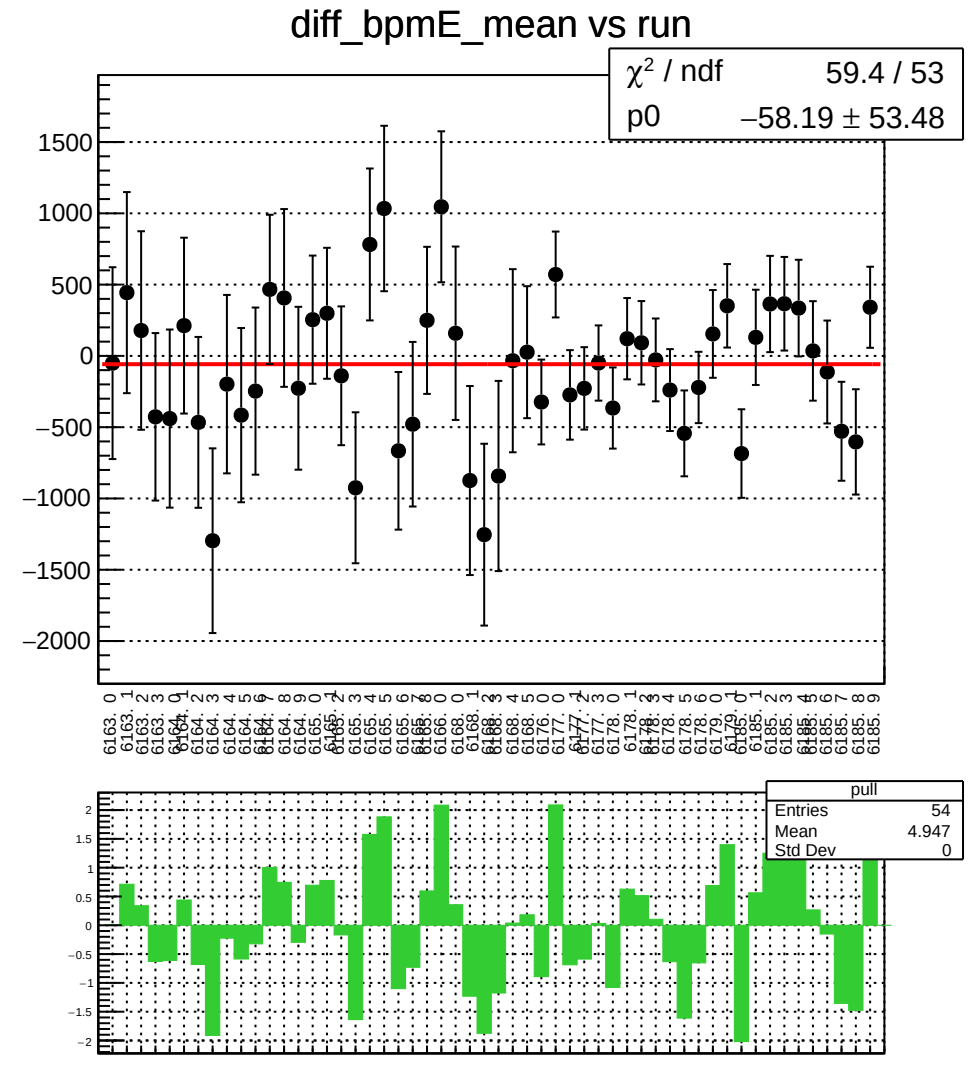

pull1D
Entries 54
Mean −0.04758
Std Dev 1.081

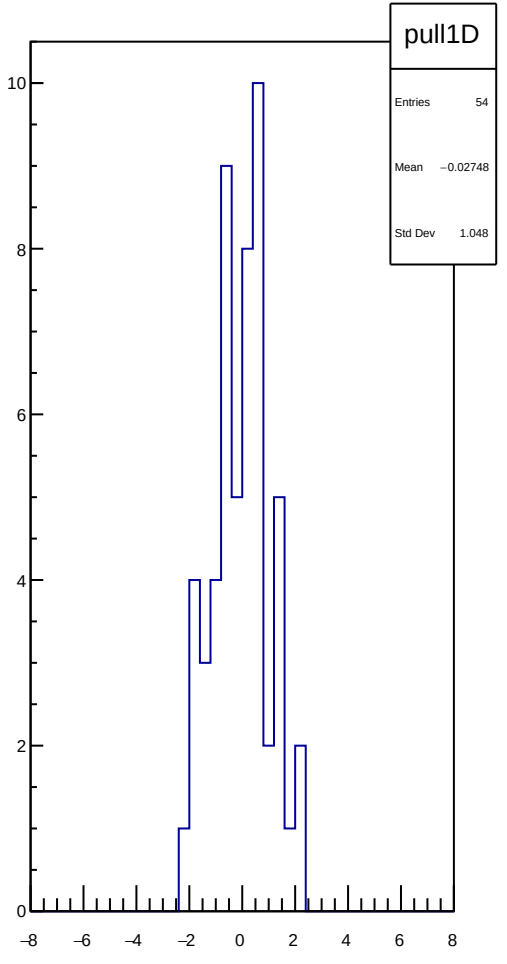

diff_targ_thetaX_rms vs run
χ² / ndf 2.118e+05 / 53
p0 689.3 ± 0.7606
2000
1800
1600
1400
1200
1000
800
600
400
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

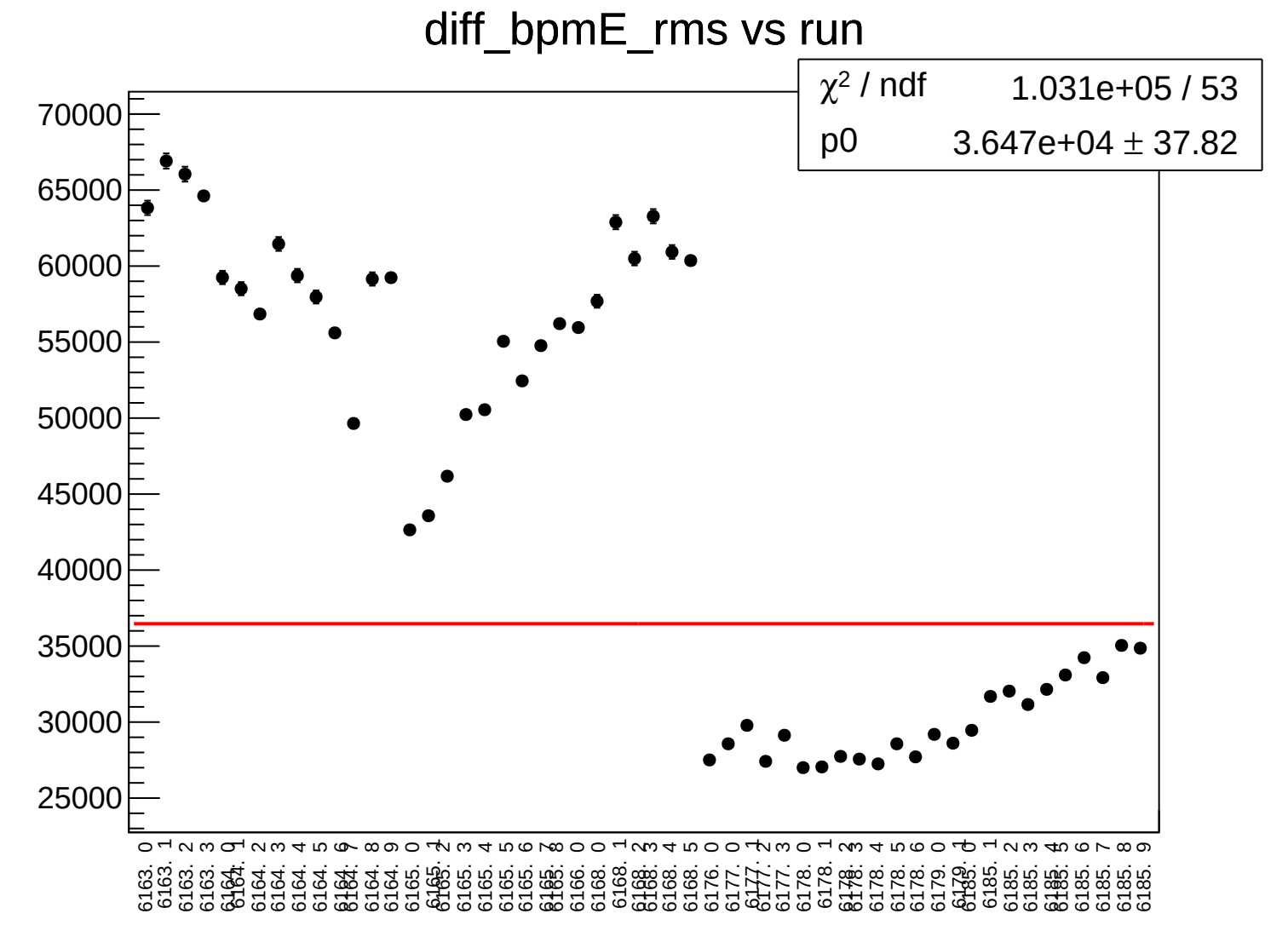

diff_targ_thetaY_mean vs run
χ² / ndf 40.95 / 53
p0 0.06598 ± 0.4999
pull
Entries 54
Mean 123.5
Std Dev 0

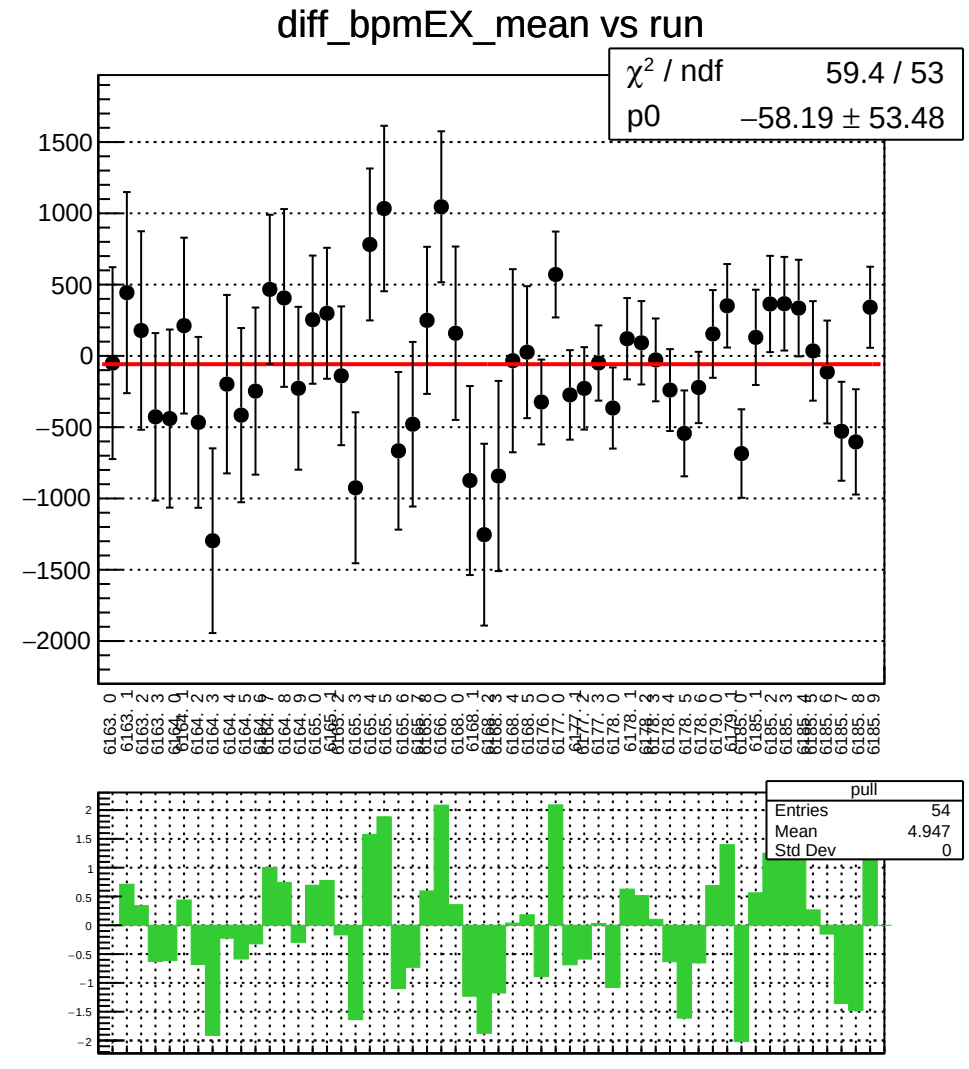

pull1D
Entries 54
Mean −0.02783
Std Dev 0.8704

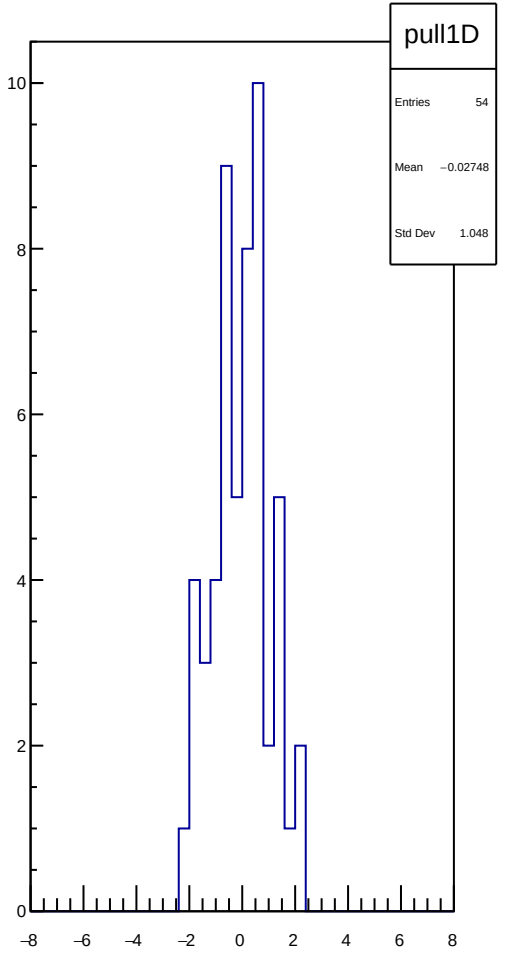

diff_targ_thetaY_rms vs run
χ² / ndf 1.763e+04 / 53
p0 356.2 ± 0.3535
480
460
440
420
400
380
360
340
320
300
280
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

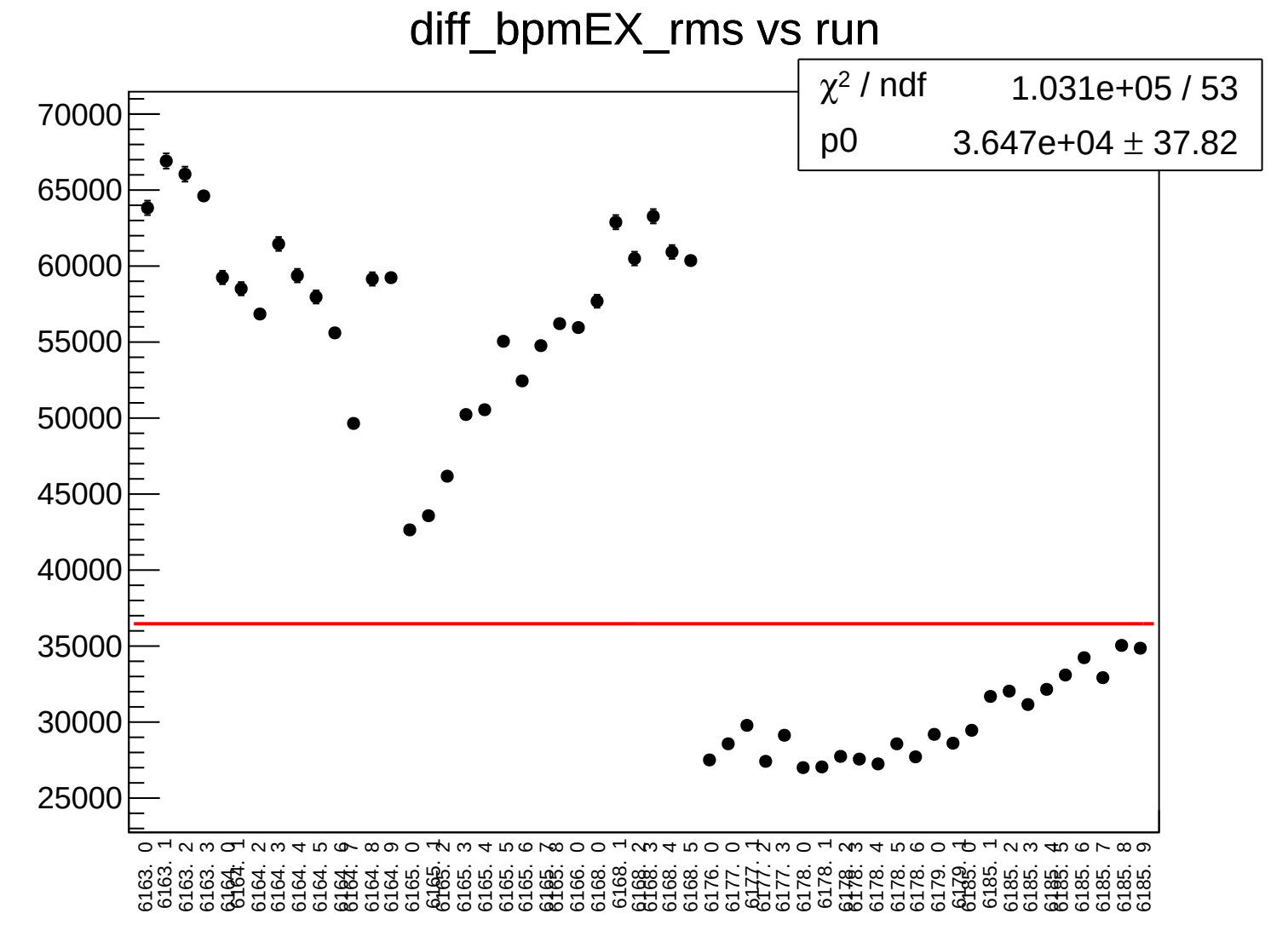

diff_bpmE_mean vs run
χ² / ndf 59.4 / 53
p0 −58.19 ± 53.48
pull
Entries 54
Mean 4.947
Std Dev 0

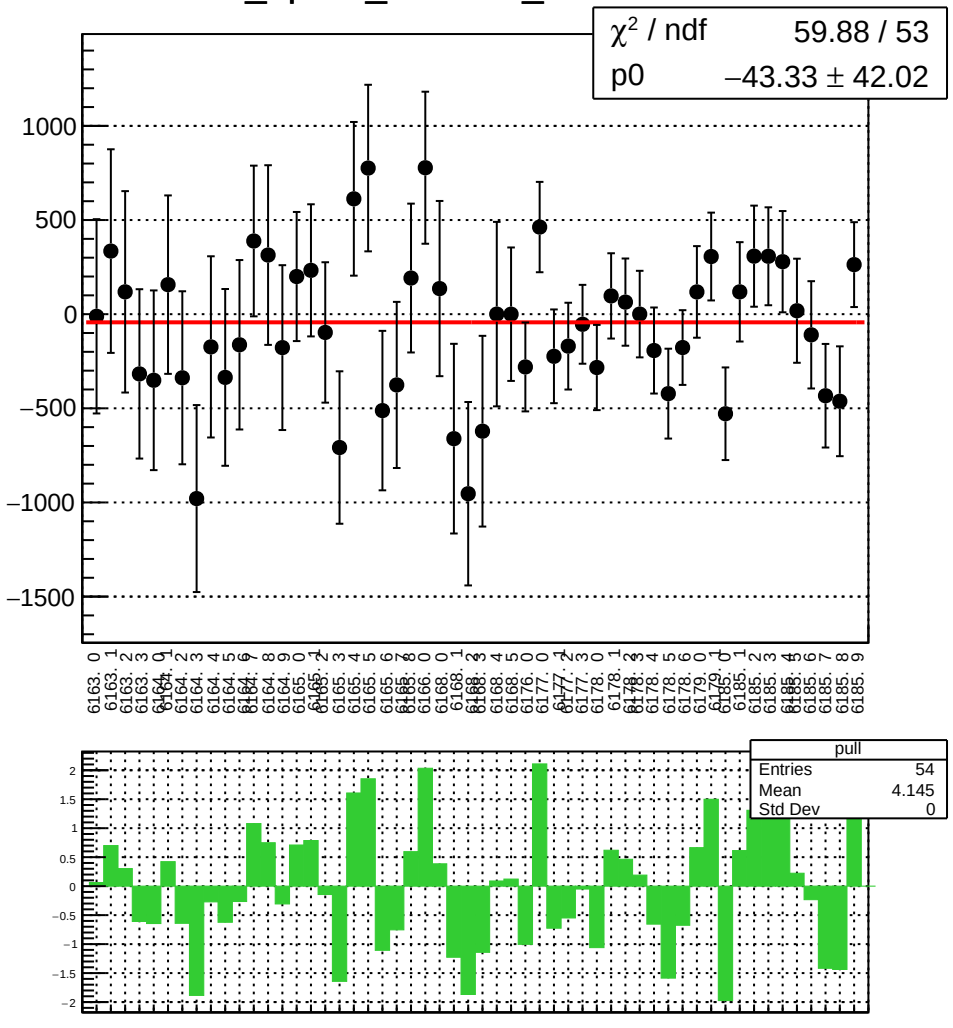

pull1D
Entries 54
Mean −0.02748
Std Dev 1.048

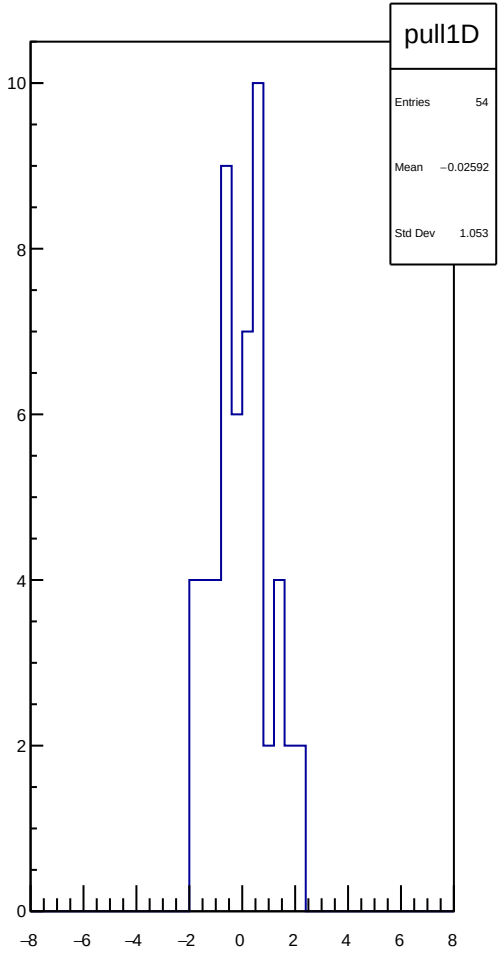

diff_bpmE_rms vs run
χ^2 / ndf 1.031e+05 / 53
p0 3.647e+04 ± 37.82
70000
65000
60000
55000
50000
45000
40000
35000
30000
25000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

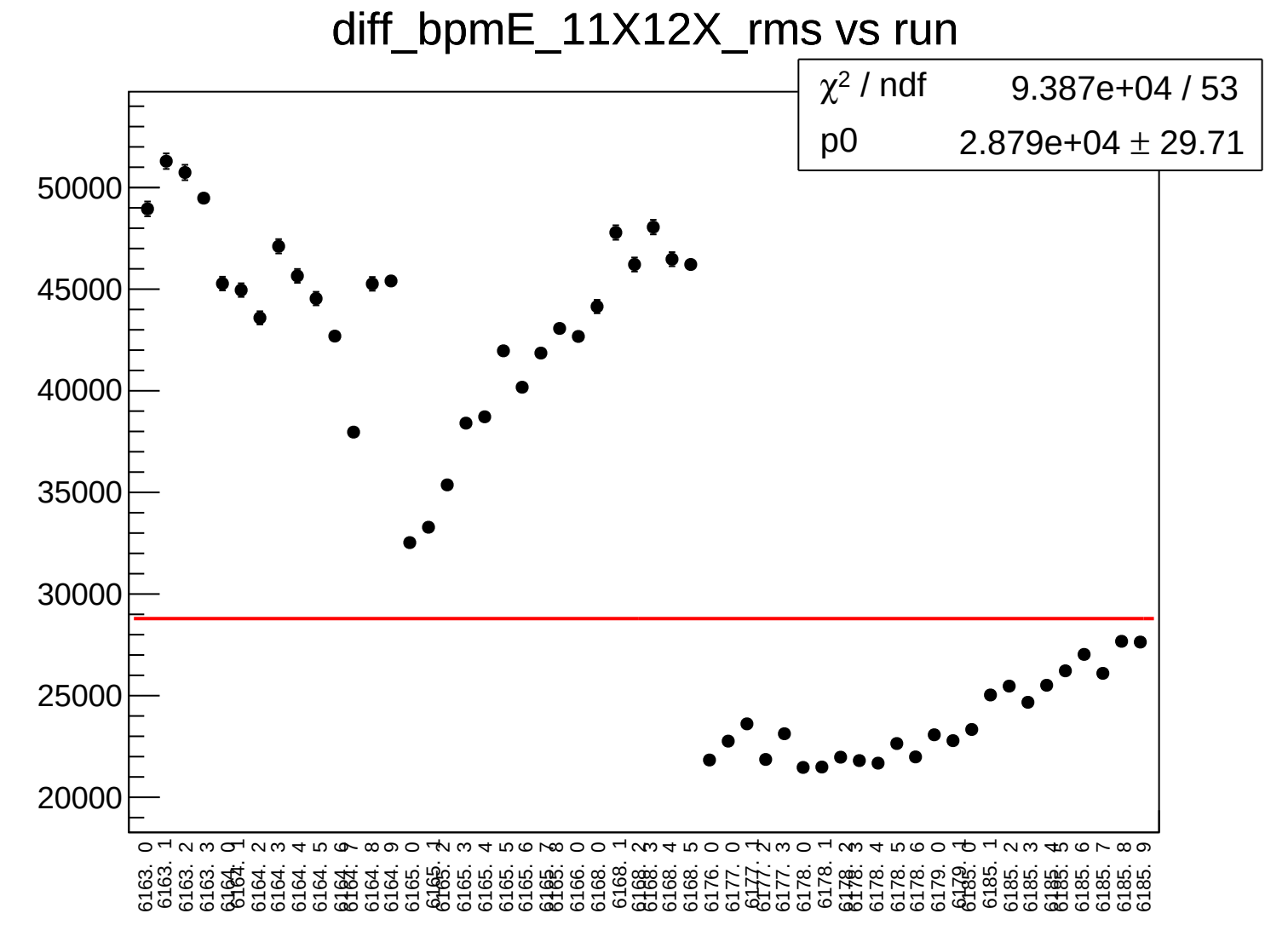

diff_bpmEX_mean vs run
χ² / ndf 59.4 / 53
p0 −58.19 ± 53.48
pull
Entries 54
Mean 4.947
Std Dev 0

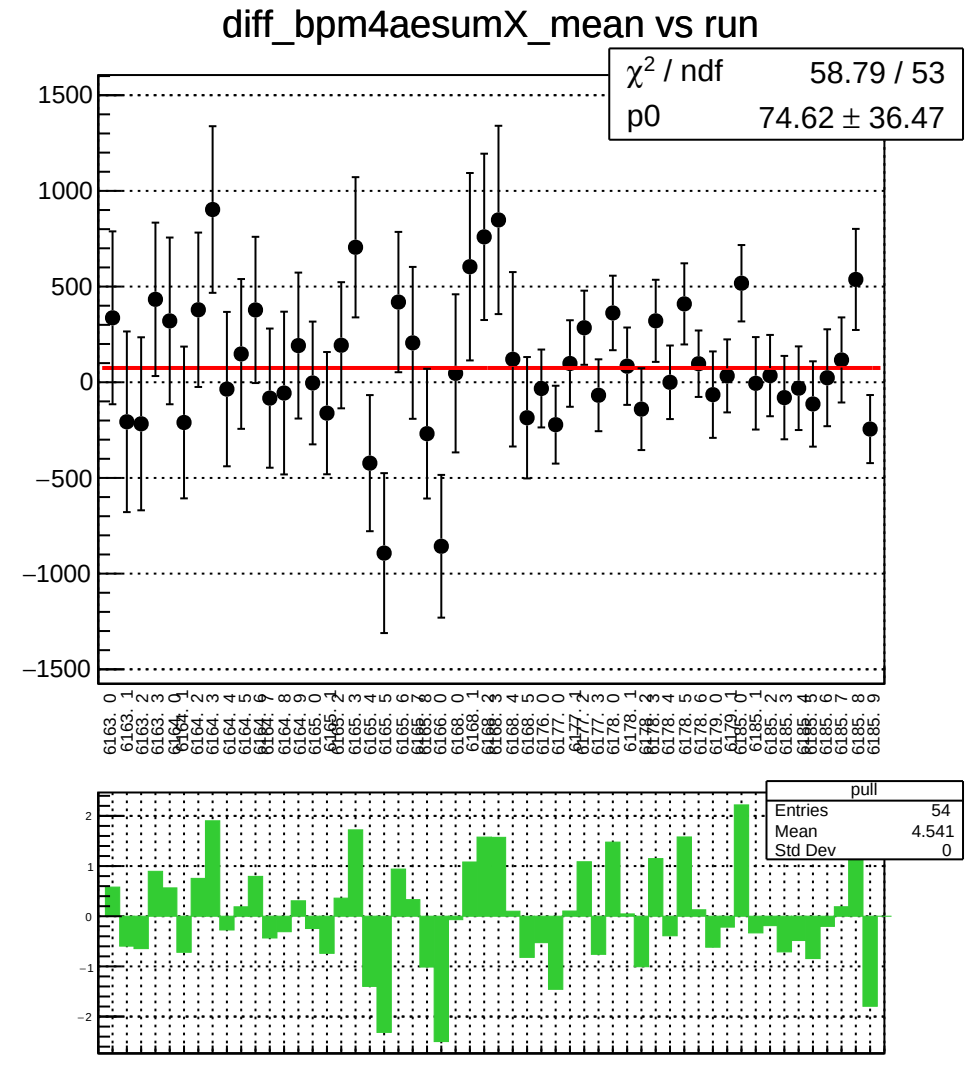

pull1D
Entries 54
Mean −0.02748
Std Dev 1.048

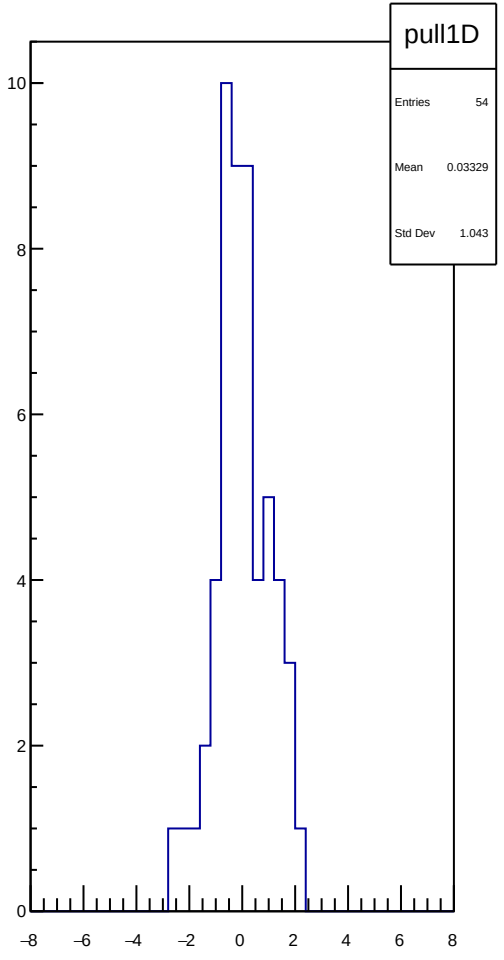

diff_bpmEX_rms vs run
χ^2 / ndf 1.031e+05 / 53
p0 3.647e+04 ± 37.82
70000
65000
60000
55000
50000
45000
40000
35000
30000
25000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

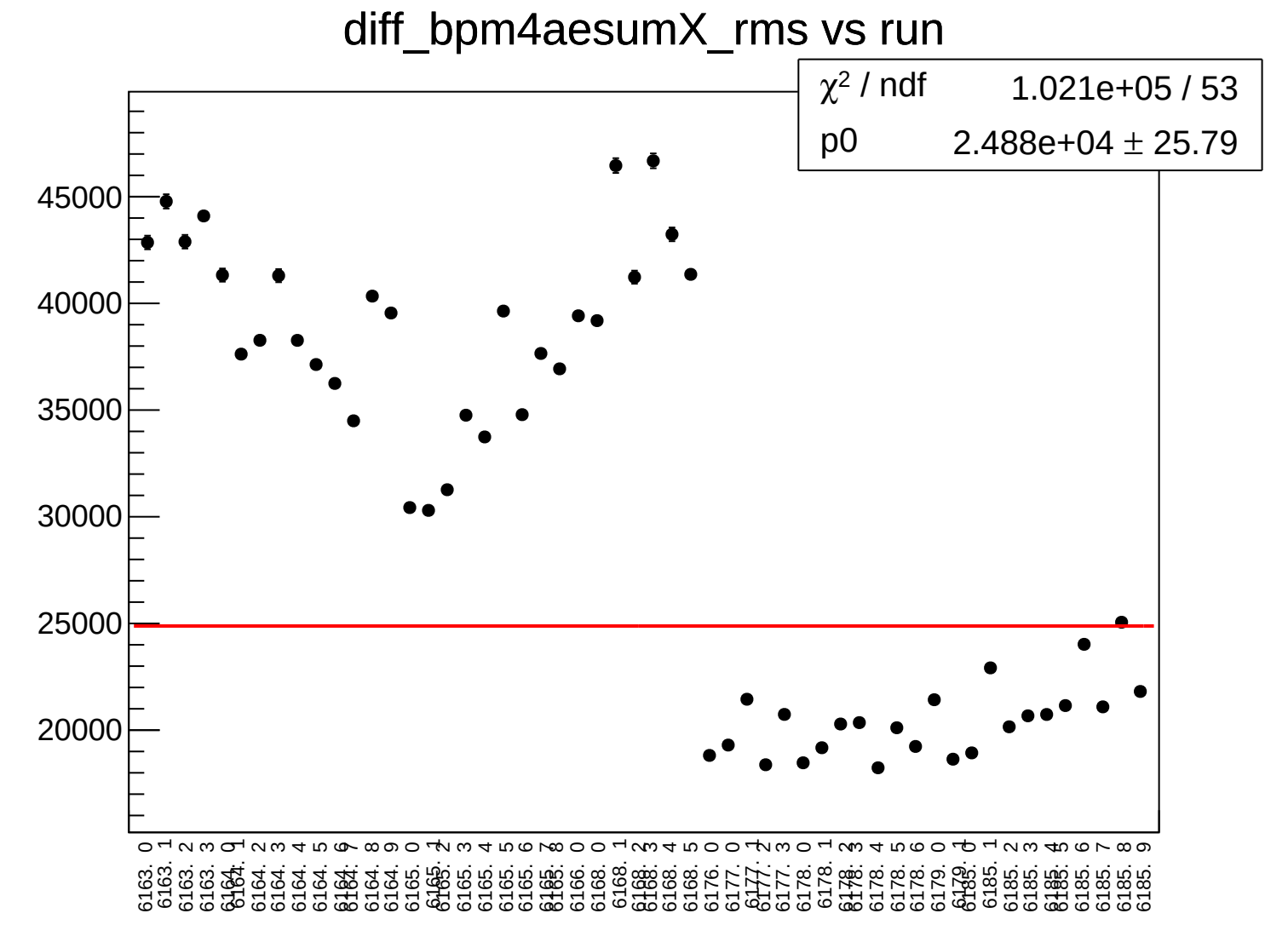

diff_bpmE_11X12X_mean vs run
χ² / ndf 59.88 / 53
p0 −43.33 ± 42.02
pull
Entries 54
Mean 4.145
Std Dev 0

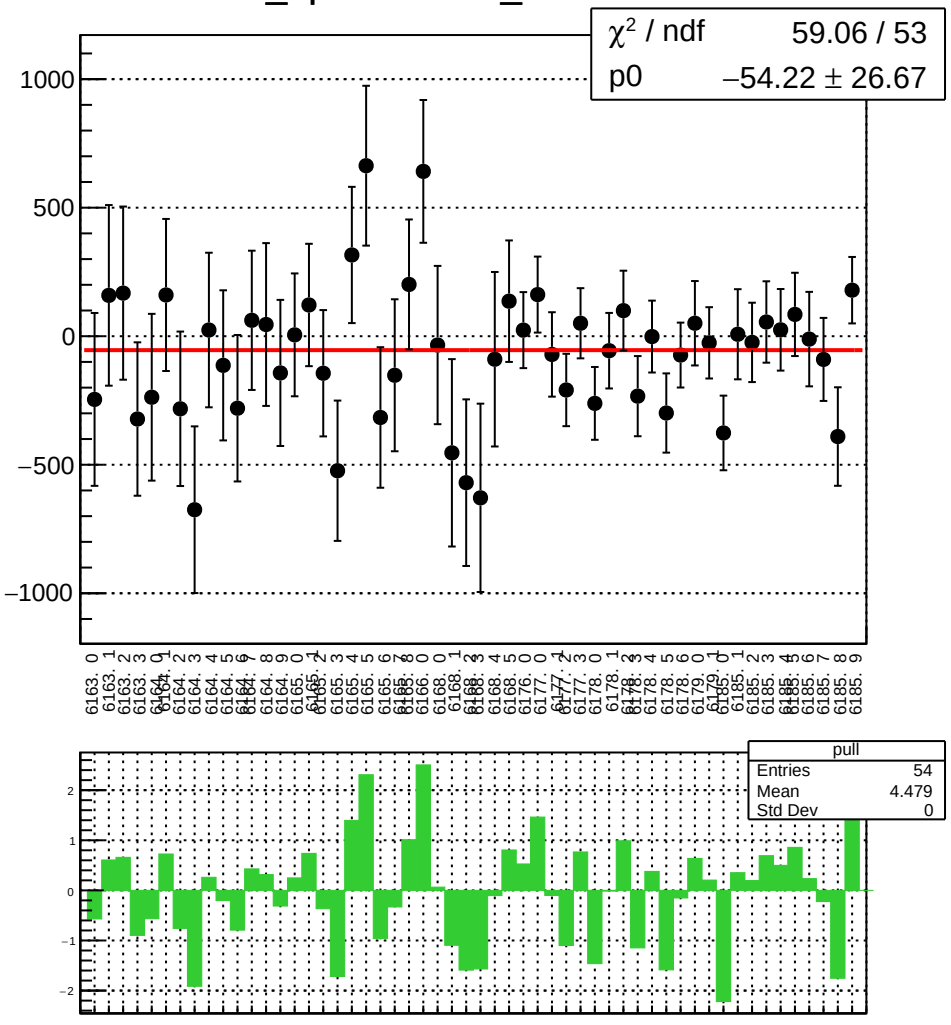

pull1D
Entries 54
Mean −0.02592
Std Dev 1.053

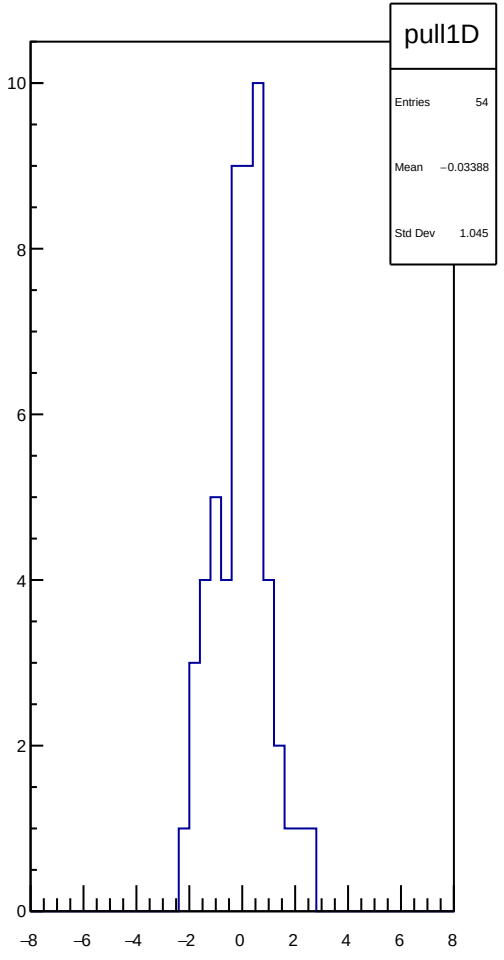

diff_bpmE_11X12X_rms vs run
χ² / ndf 9.387e+04 / 53
p0 2.879e+04 ± 29.71
50000
45000
40000
35000
30000
25000
20000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

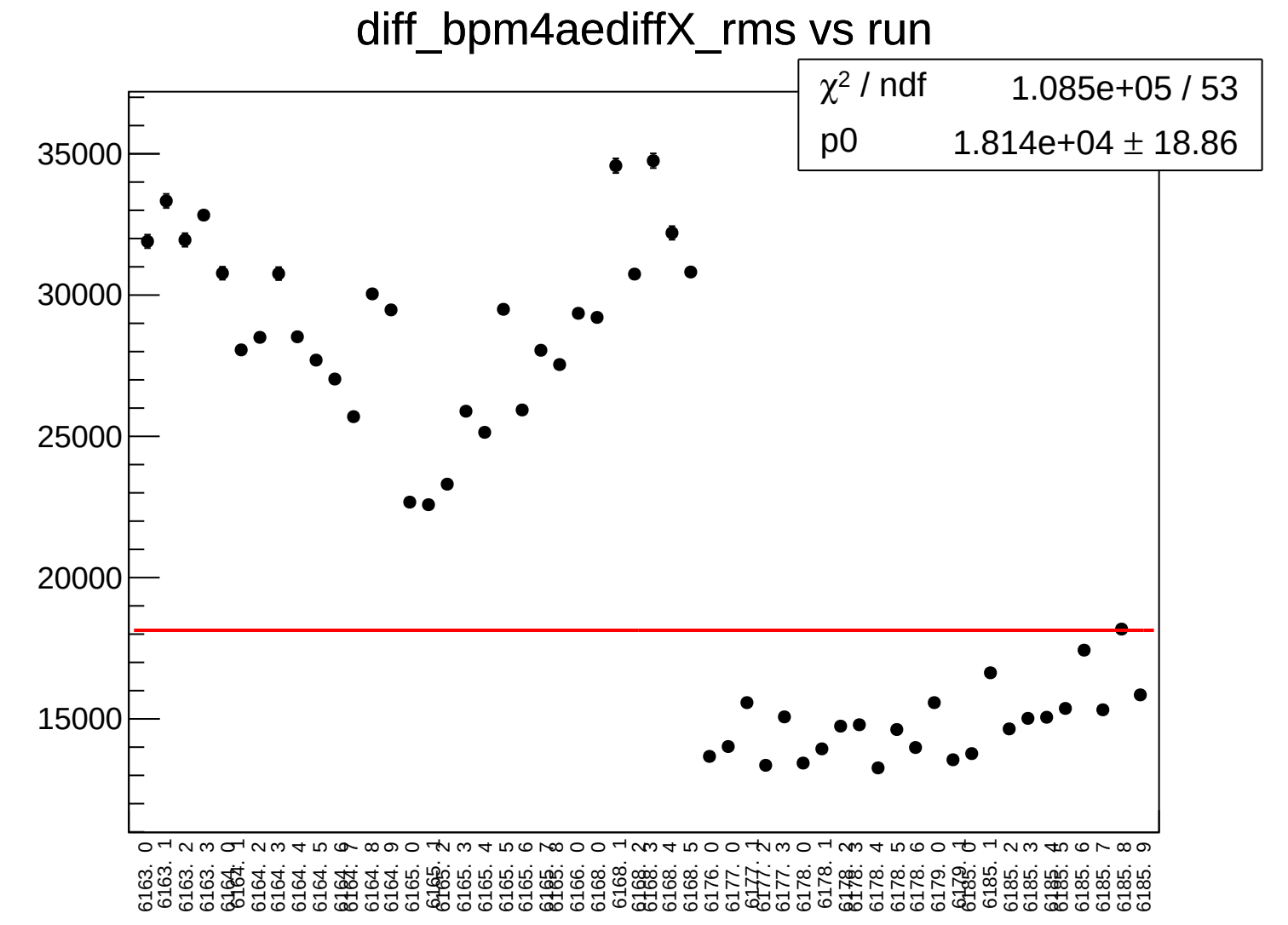

diff_bpm4aesumX_mean vs run
χ² / ndf 58.79 / 53
p0 74.62 ± 36.47
pull
Entries 54
Mean 4.541
Std Dev 0

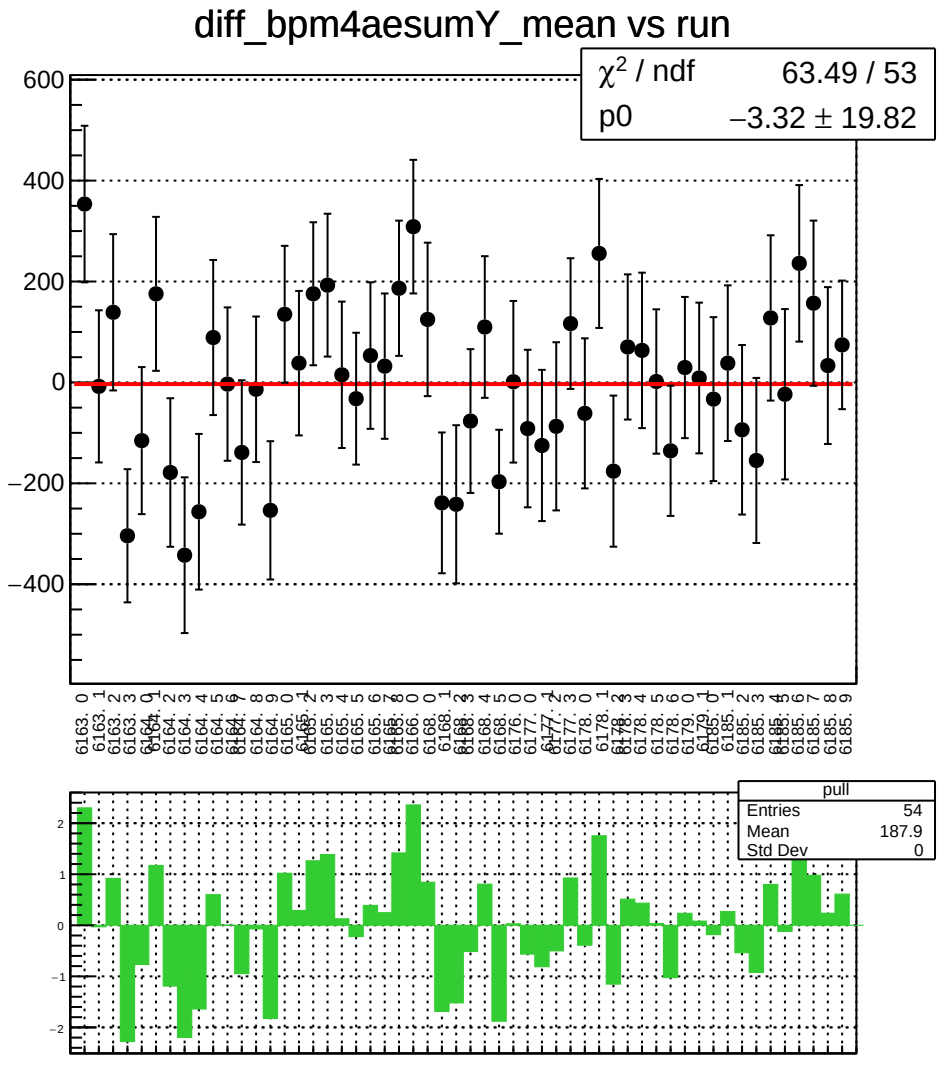

pull1D
Entries 54
Mean 0.03329
Std Dev 1.043

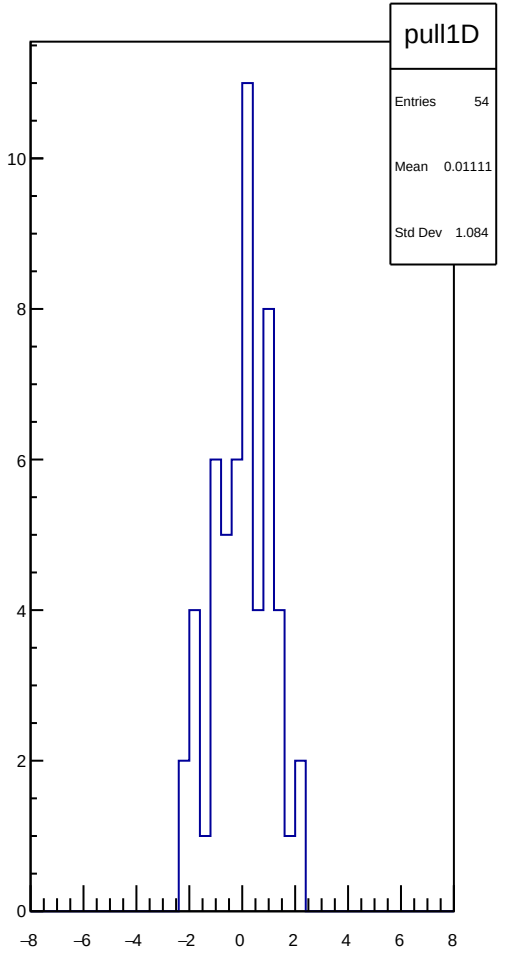

diff_bpm4aesumX_rms vs run
χ² / ndf 1.021e+05 / 53
p0 2.488e+04 ± 25.79
45000
40000
35000
30000
25000
20000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

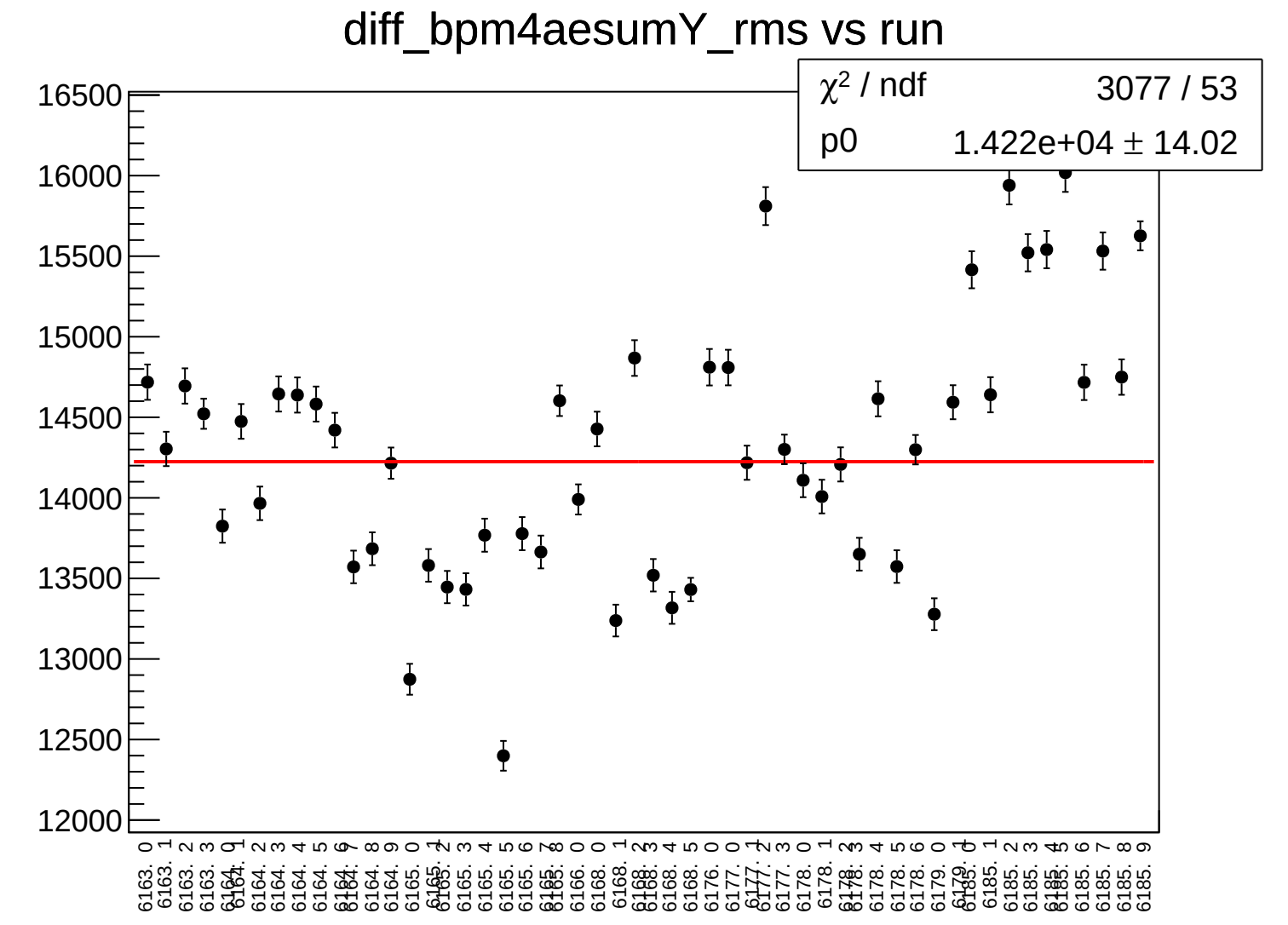

diff_bpm4aediffX_mean vs run
χ² / ndf 59.06 / 53
p0 −54.22 ± 26.67
1000
500
0
−500
−1000
pull
Entries 54
Mean 4.479
Std Dev 0
2
1
0
−1
−2

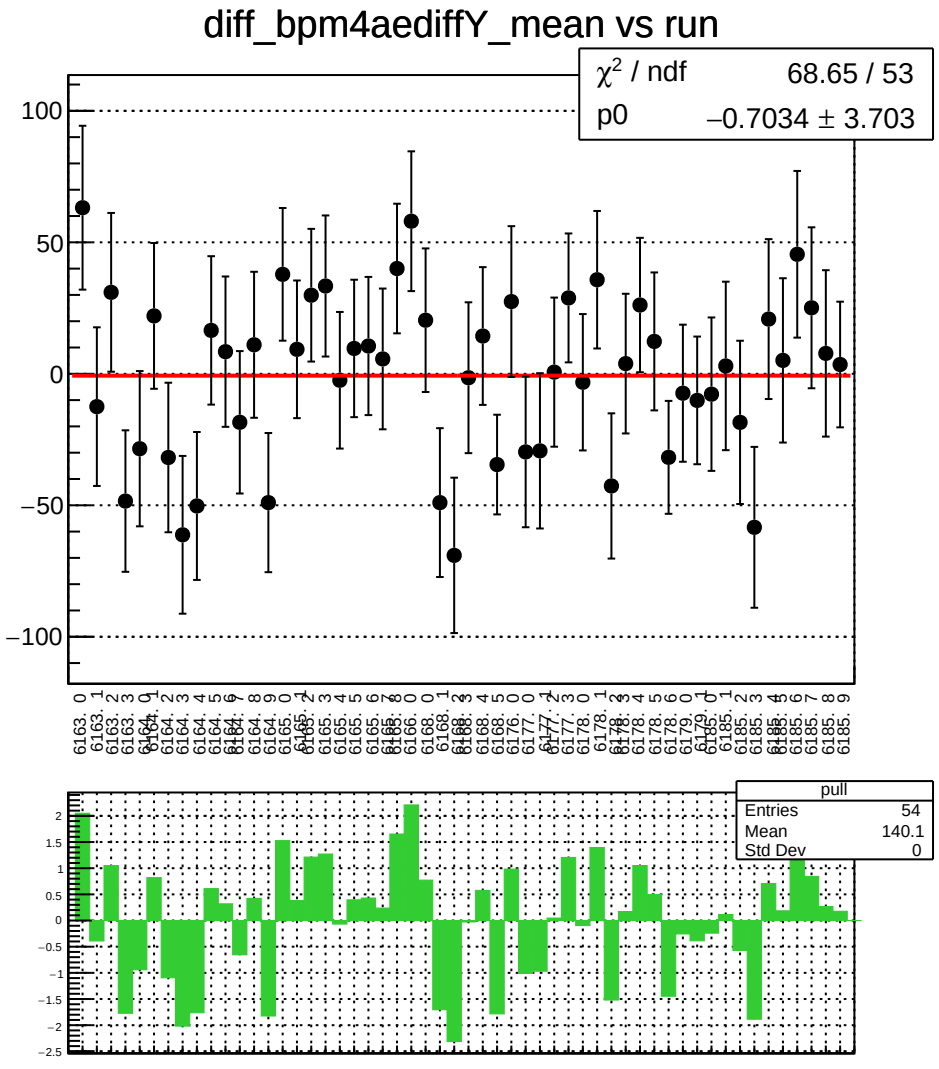

pull1D
Entries 54
Mean −0.03388
Std Dev 1.045
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

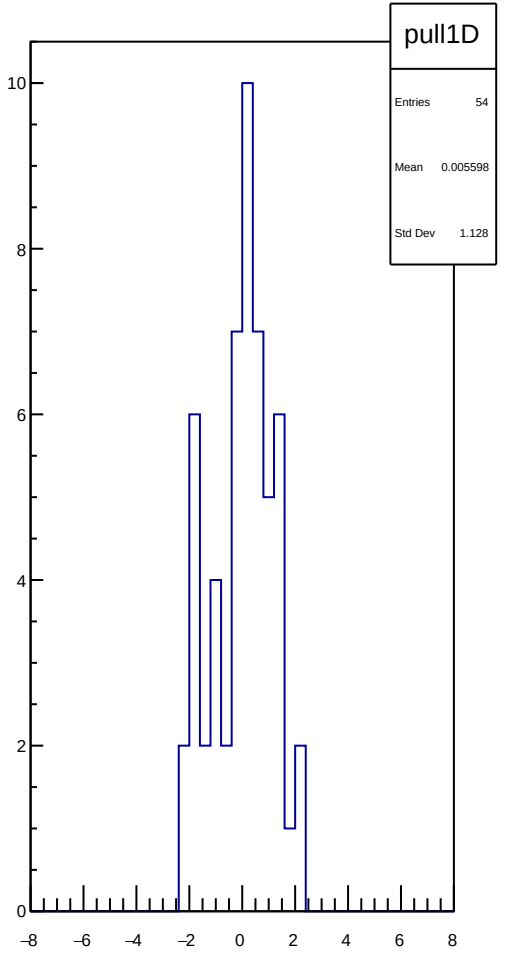

diff_bpm4aediffX_rms vs run
χ² / ndf 1.085e+05 / 53
p0 1.814e+04 ± 18.86
35000
30000
25000
20000
15000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

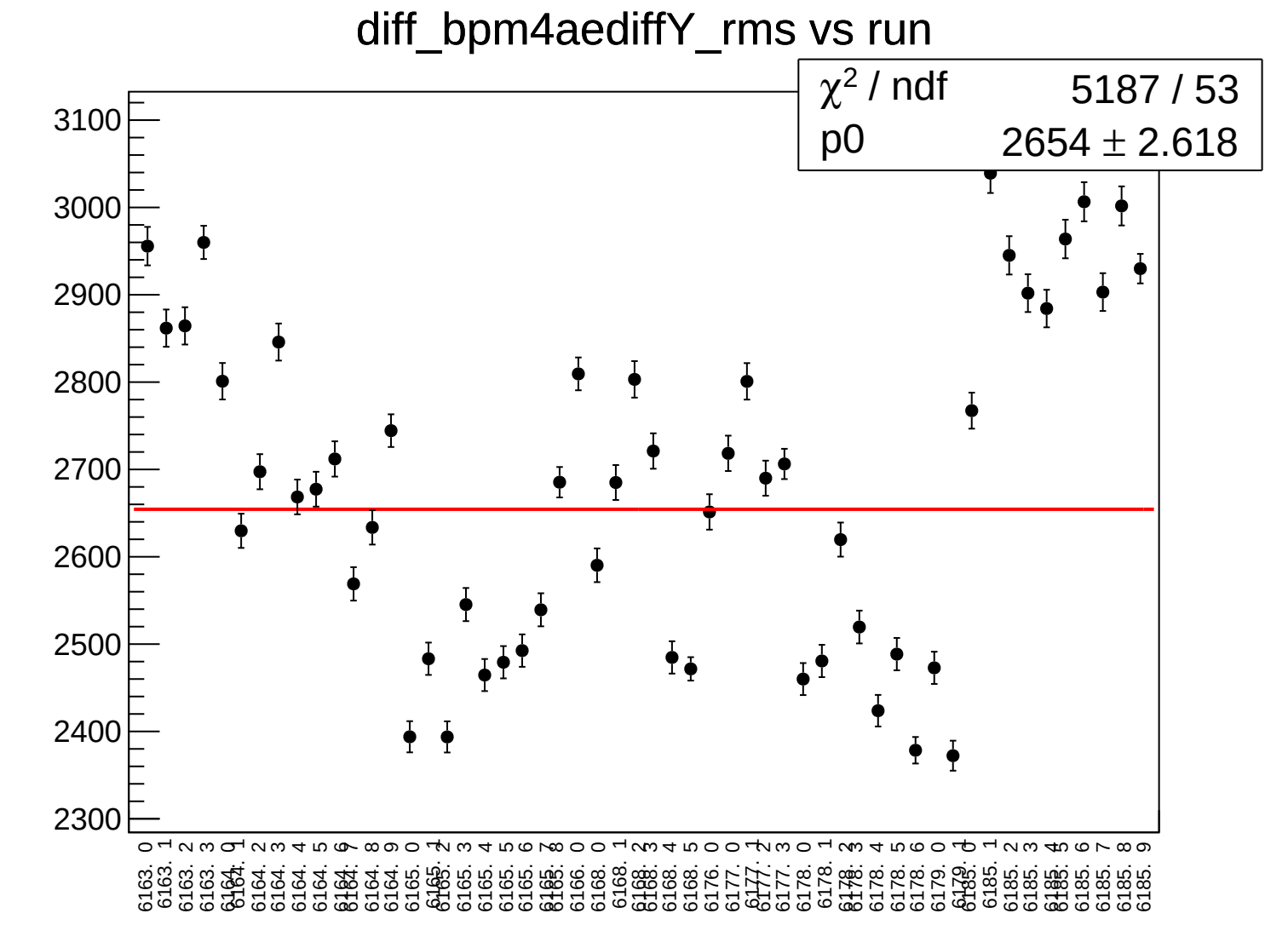

diff_bpm4aesumY_mean vs run
χ^2 / ndf 63.49 / 53
p0 −3.32 ± 19.82
pull
Entries 54
Mean 187.9
Std Dev 0

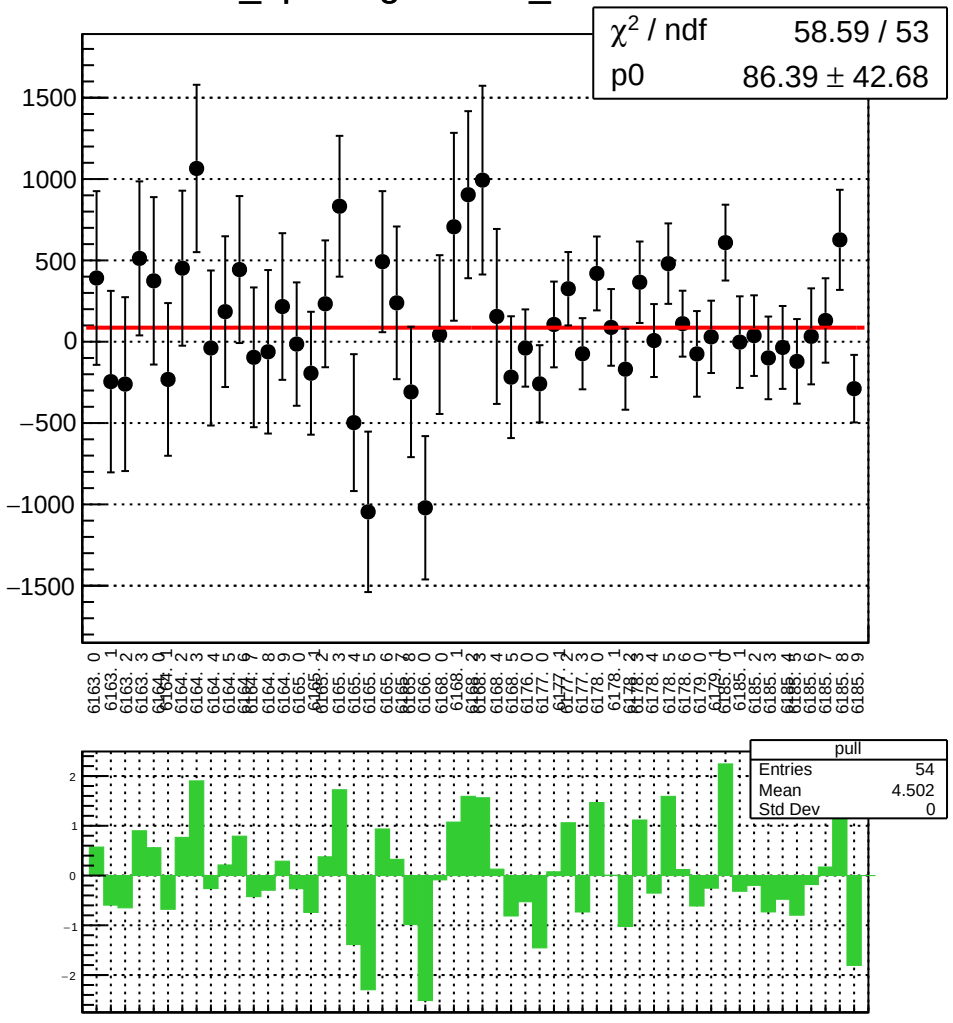

pull1D
Entries 54
Mean 0.01111
Std Dev 1.084

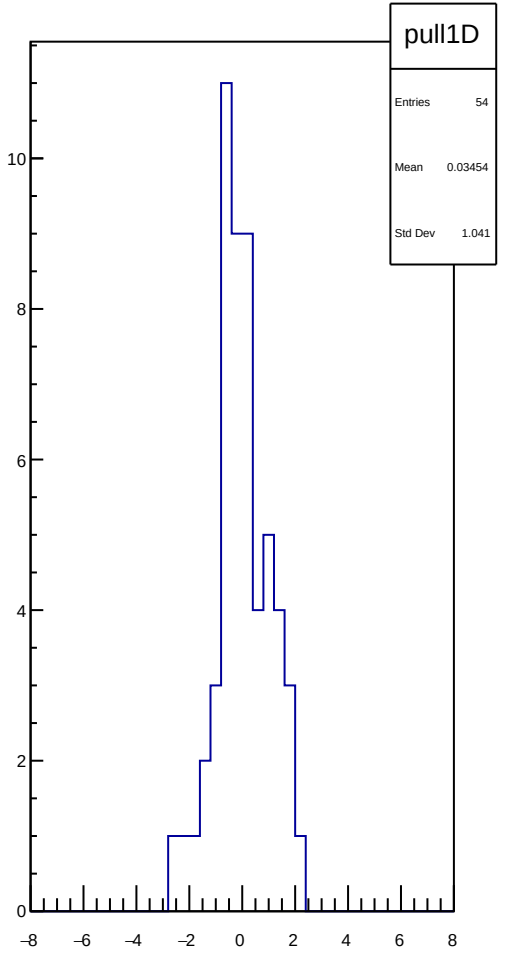

diff_bpm4aesumY_rms vs run
χ² / ndf 3077 / 53
p0 1.422e+04 ± 14.02
16500
16000
15500
15000
14500
14000
13500
13000
12500
12000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

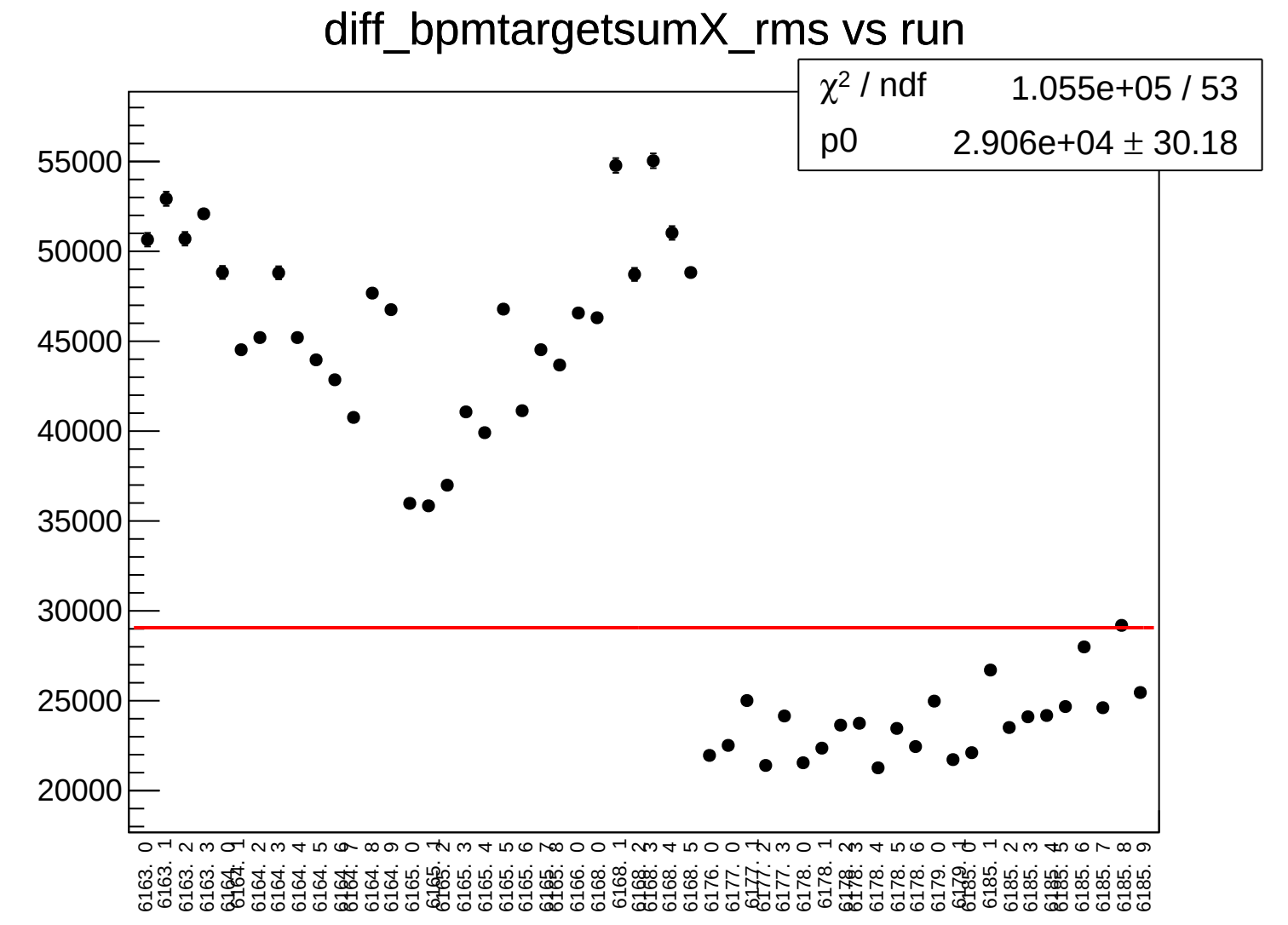

diff_bpm4aediffY_mean vs run
χ² / ndf 68.65 / 53
p0 −0.7034 ± 3.703
100
50
0
−50
−100
pull
Entries 54
Mean 140.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

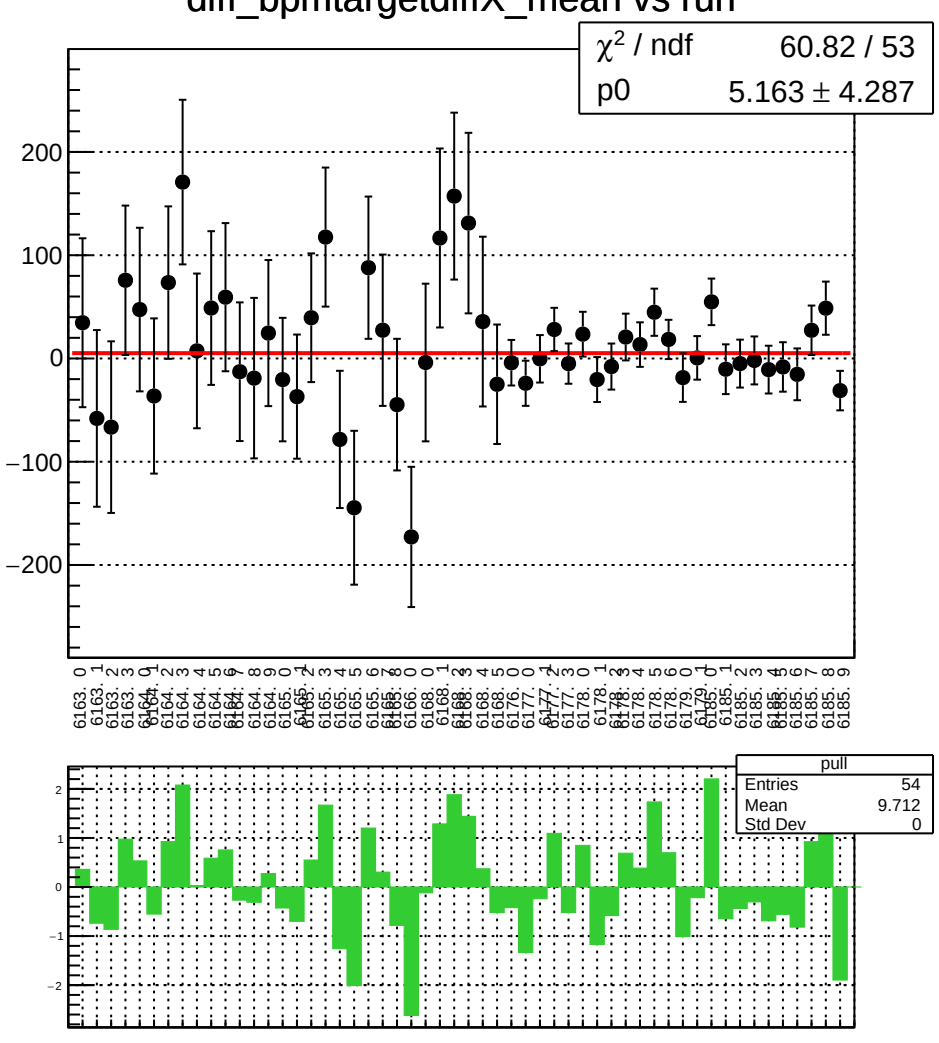

pull1D
Entries 54
Mean 0.005598
Std Dev 1.128
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

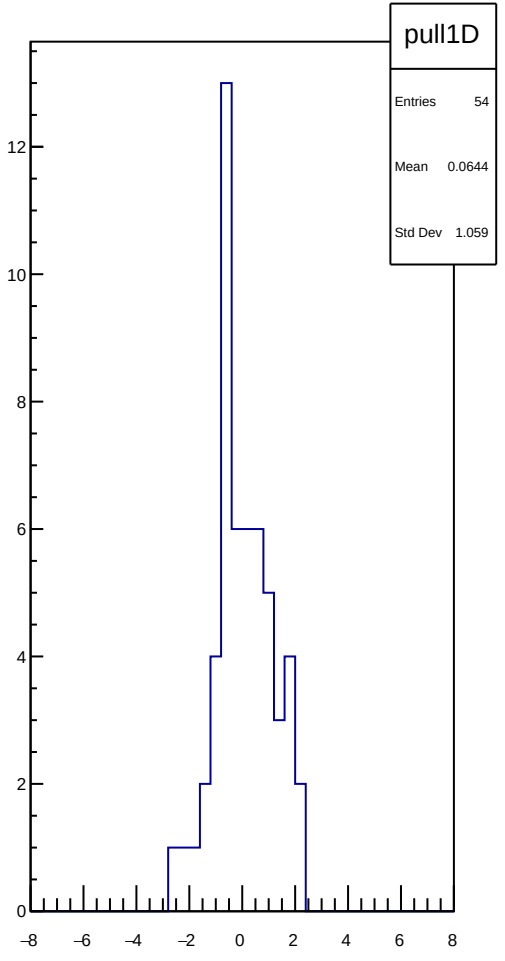

diff_bpm4aediffY_rms vs run
χ² / ndf 5187 / 53
p0 2654 ± 2.618
3100
3000
2900
2800
2700
2600
2500
2400
2300
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 5
6185. 6
6185. 7
6185. 8
6185. 9

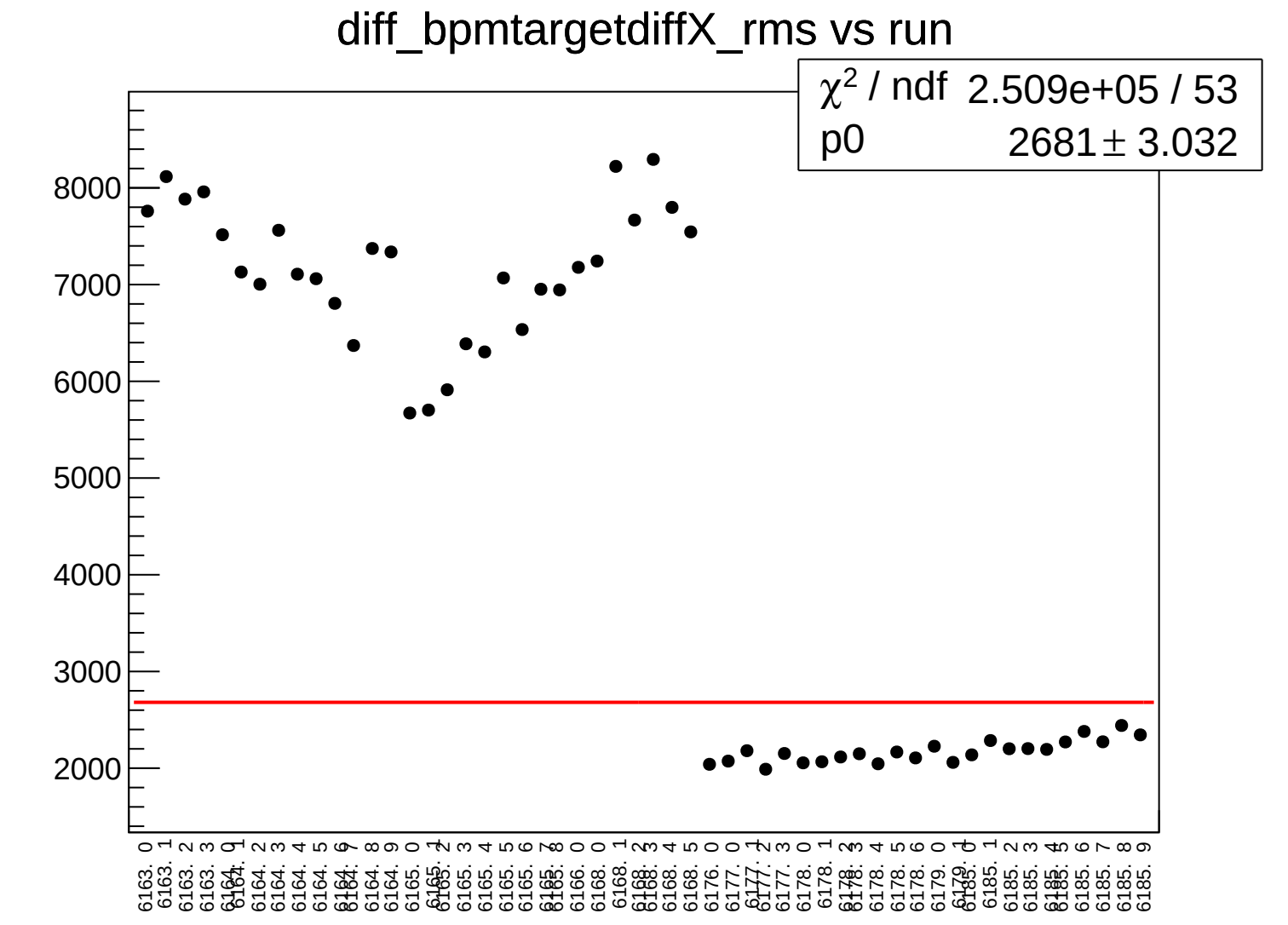

diff_bpmtargetsumX_mean vs run
χ² / ndf 58.59 / 53
p0 86.39 ± 42.68
pull
Entries 54
Mean 4.502
Std Dev 0

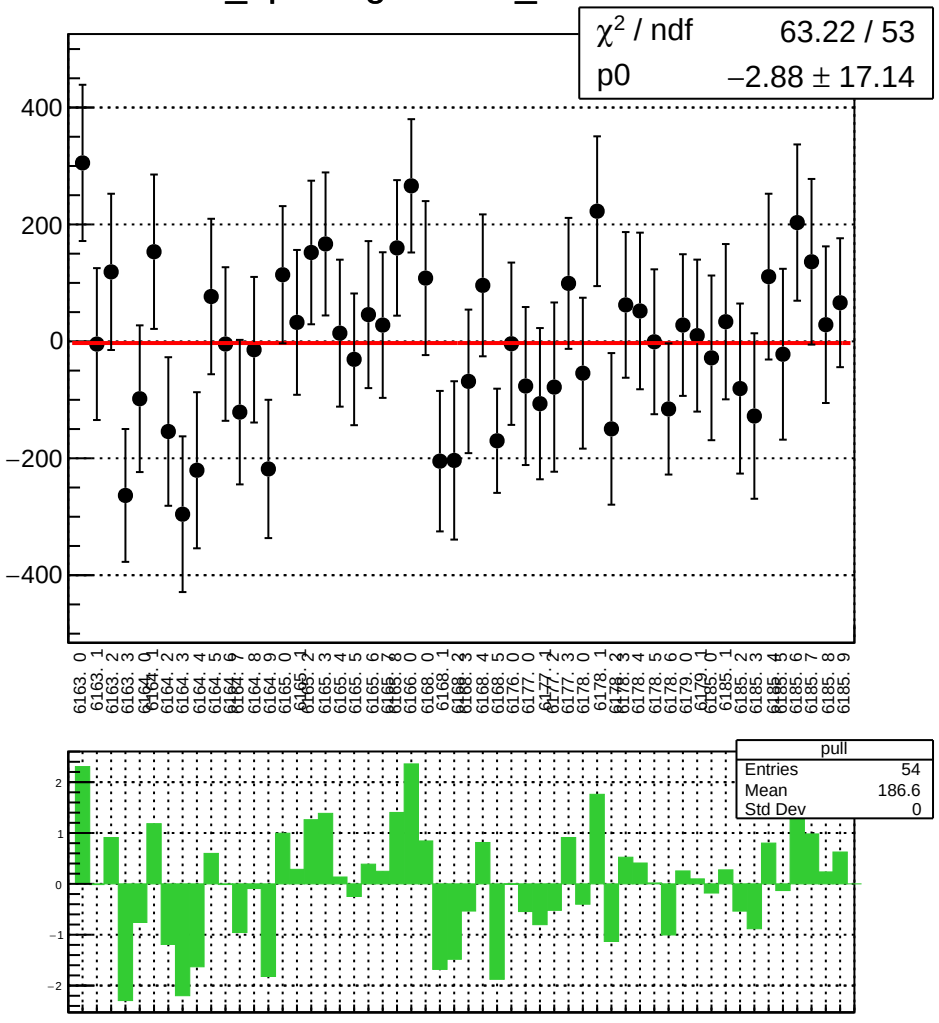

pull1D
Entries 54
Mean 0.03454
Std Dev 1.041

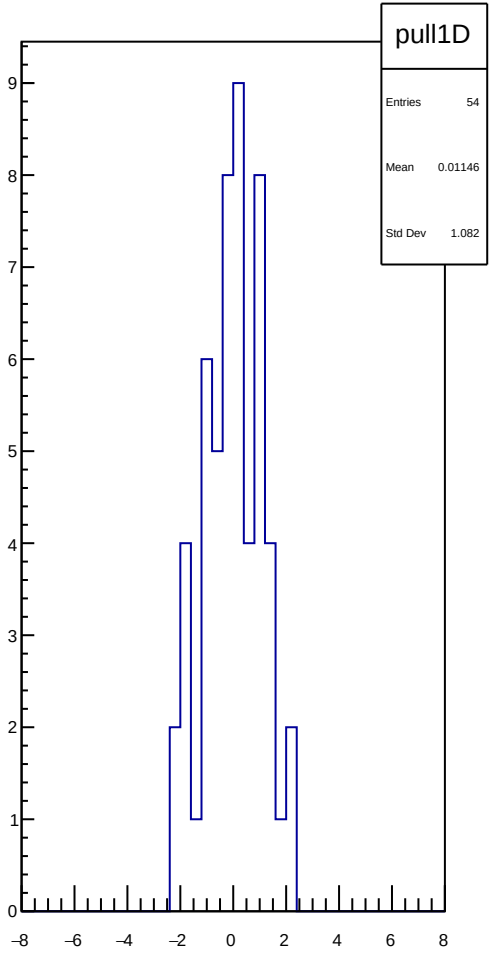

diff_bpmtargetsumX_rms vs run
χ² / ndf 1.055e+05 / 53
p0 2.906e+04 ± 30.18
55000
50000
45000
40000
35000
30000
25000
20000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

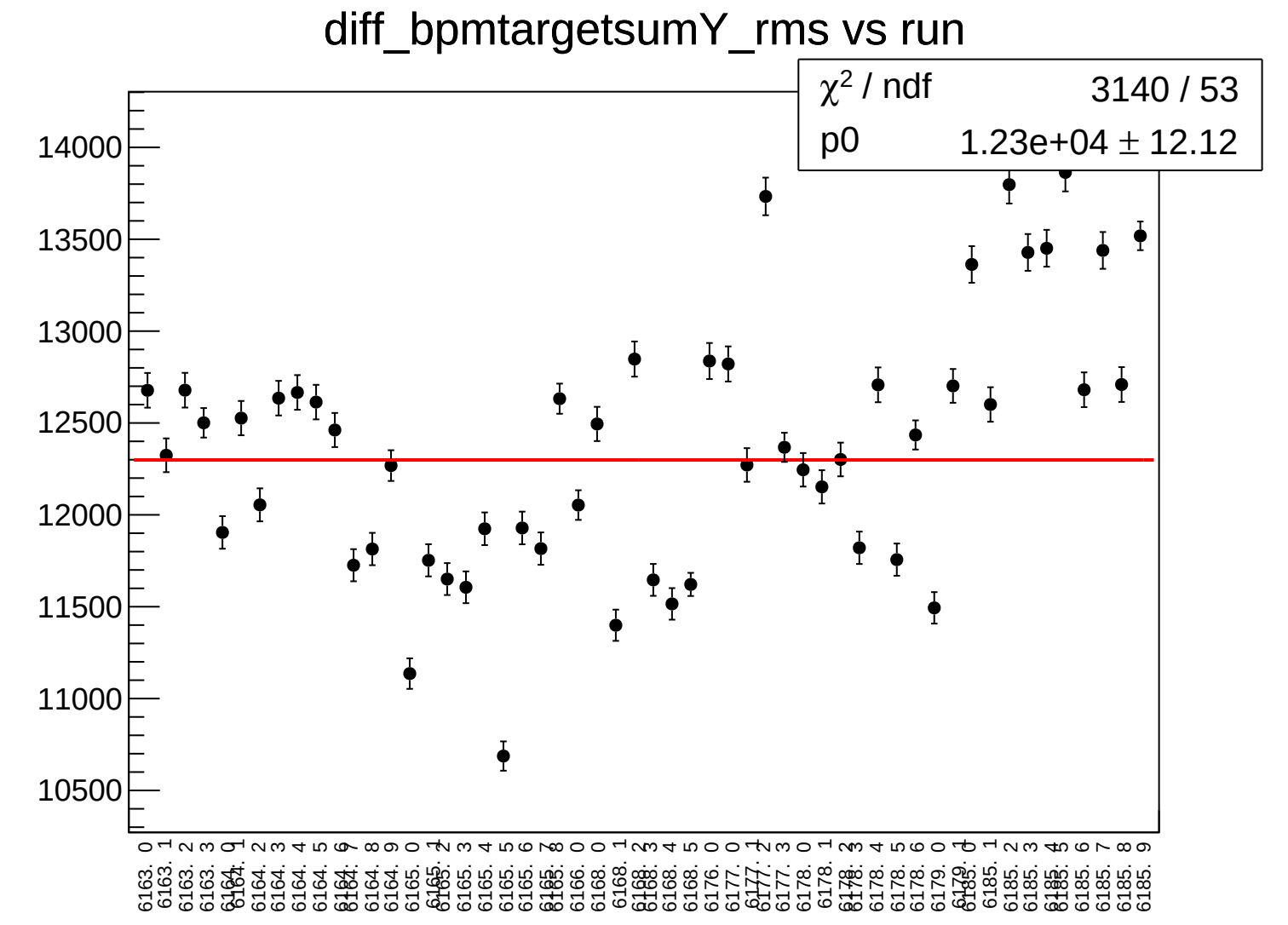

diff_bpmtargetdiffX_mean vs run
χ² / ndf 60.82 / 53
p0 5.163 ± 4.287
200
100
0
−100
−200
pull
Entries 54
Mean 9.712
Std Dev 0
2
1
0
−1
−2

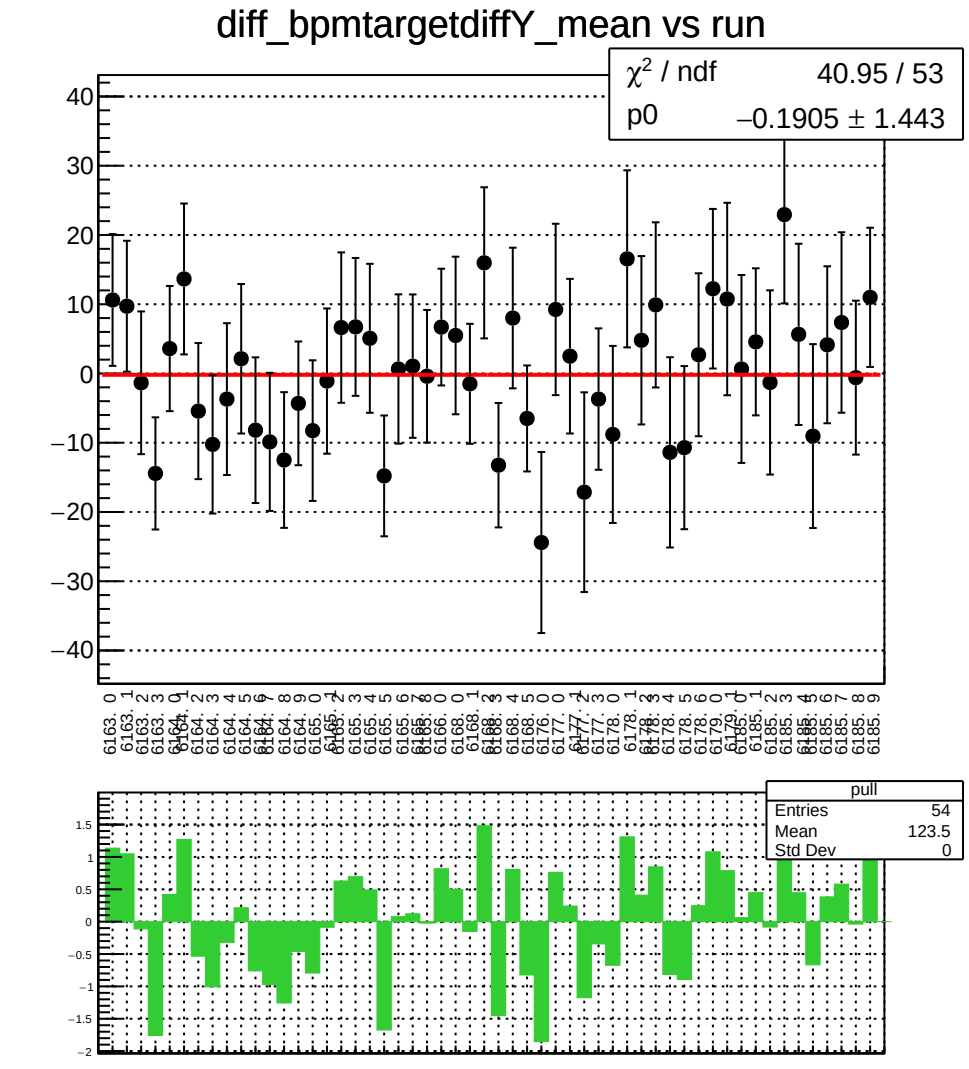

pull1D
Entries 54
Mean 0.0644
Std Dev 1.059
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

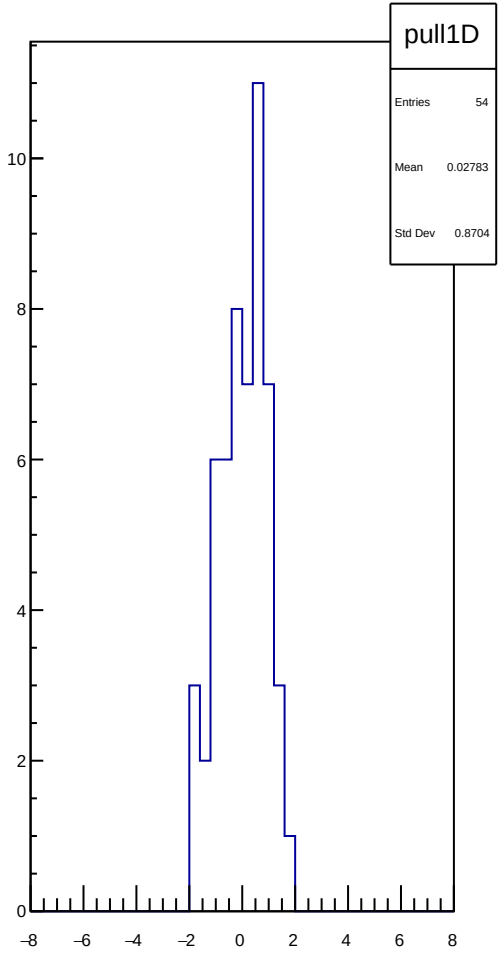

diff_bpmtargetdiffX_rms vs run
χ² / ndf 2.509e+05 / 53
p0 2681 ± 3.032
8000
7000
6000
5000
4000
3000
2000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

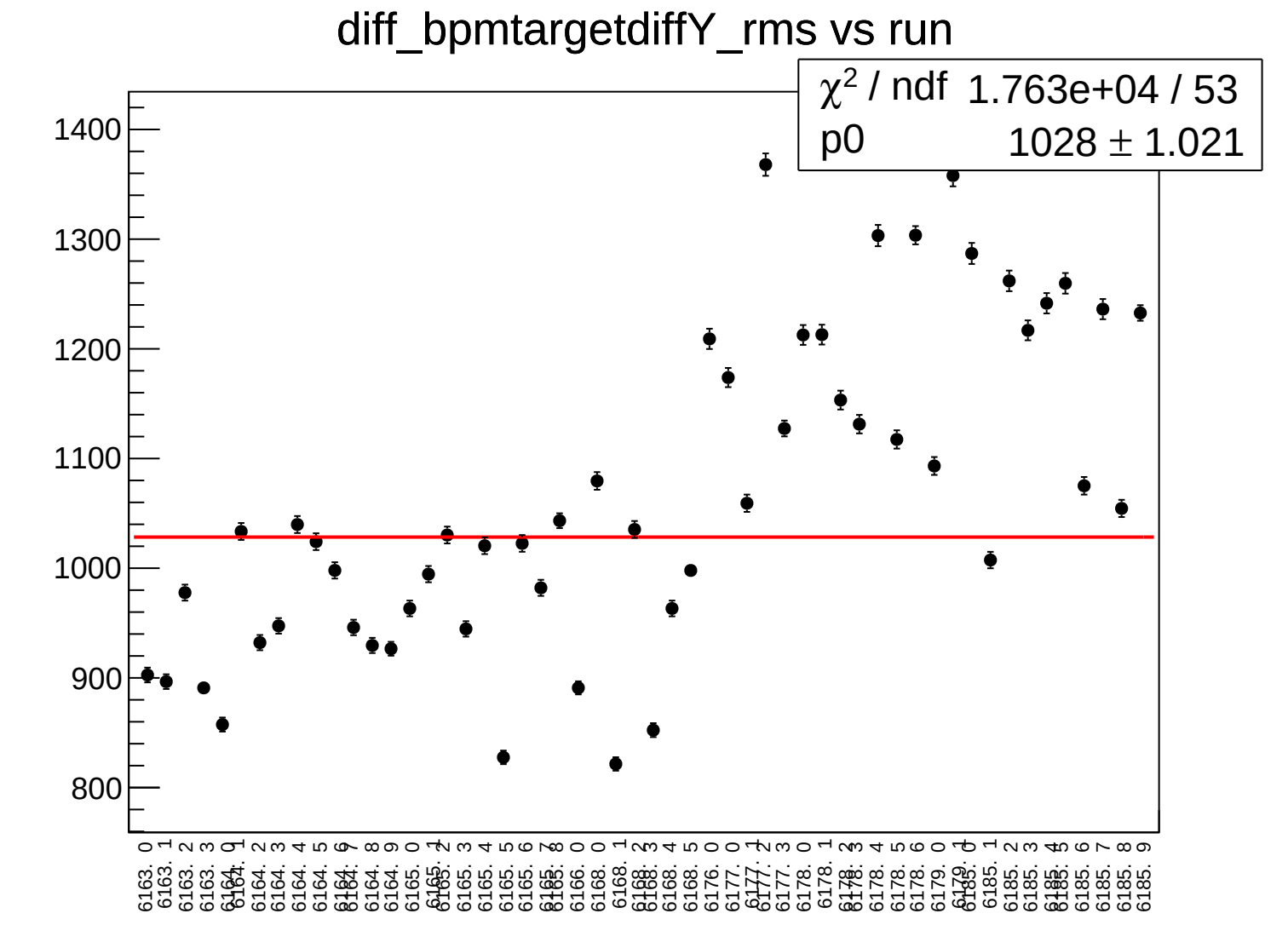

diff_bpmtargetsumY_mean vs run
χ² / ndf 63.22 / 53
p0 −2.88 ± 17.14
400
200
0
−200
−400
pull
Entries 54
Mean 186.6
Std Dev 0
2
1
0
−1
−2

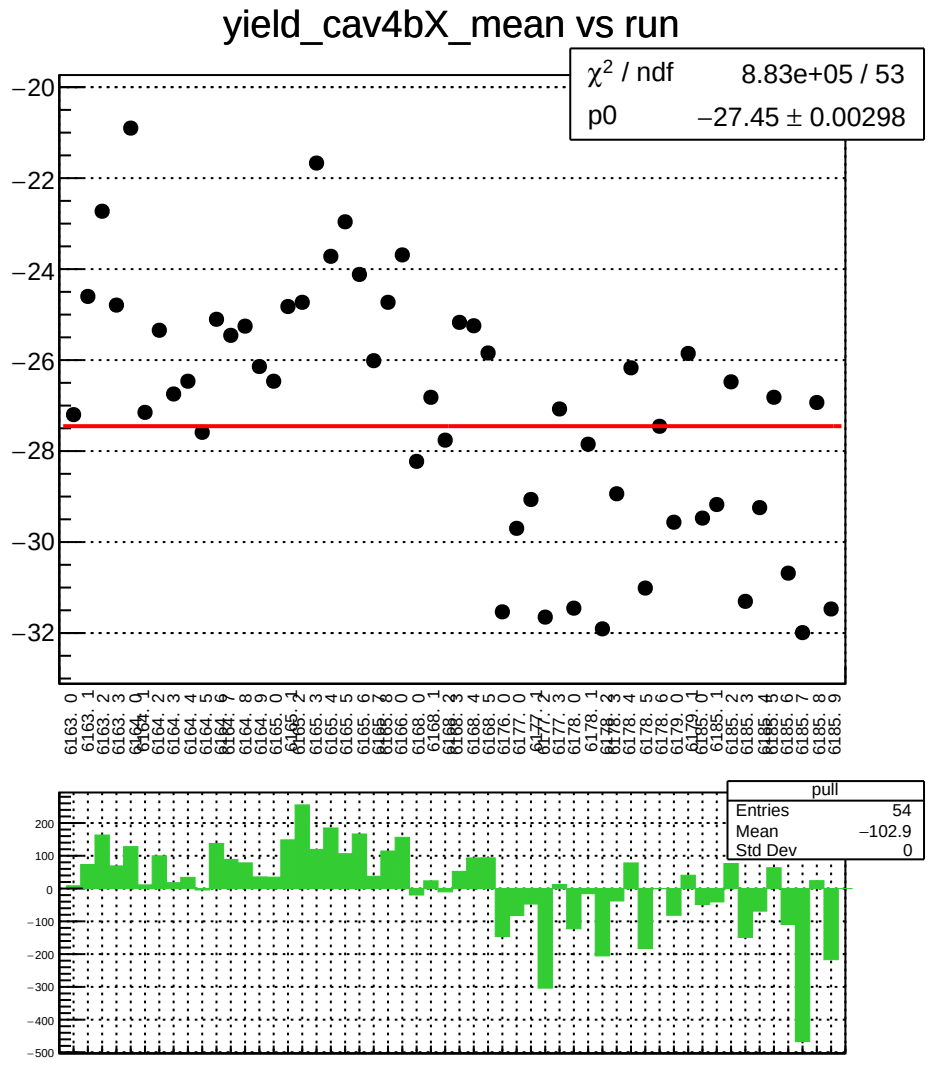

pull1D
Entries 54
Mean 0.01146
Std Dev 1.082
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

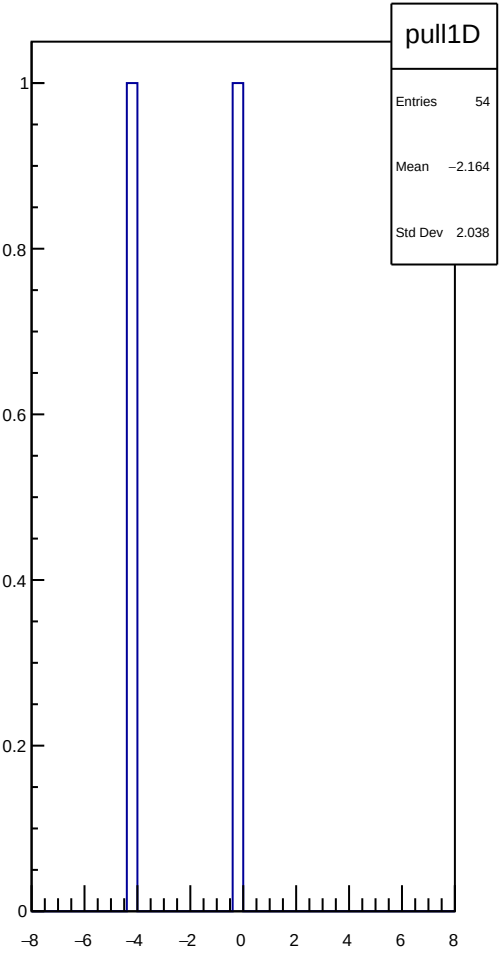

diff_bpmtargetsumY_rms vs run
χ² / ndf 3140 / 53
p0 1.23e+04 ± 12.12
14000
13500
13000
12500
12000
11500
11000
10500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

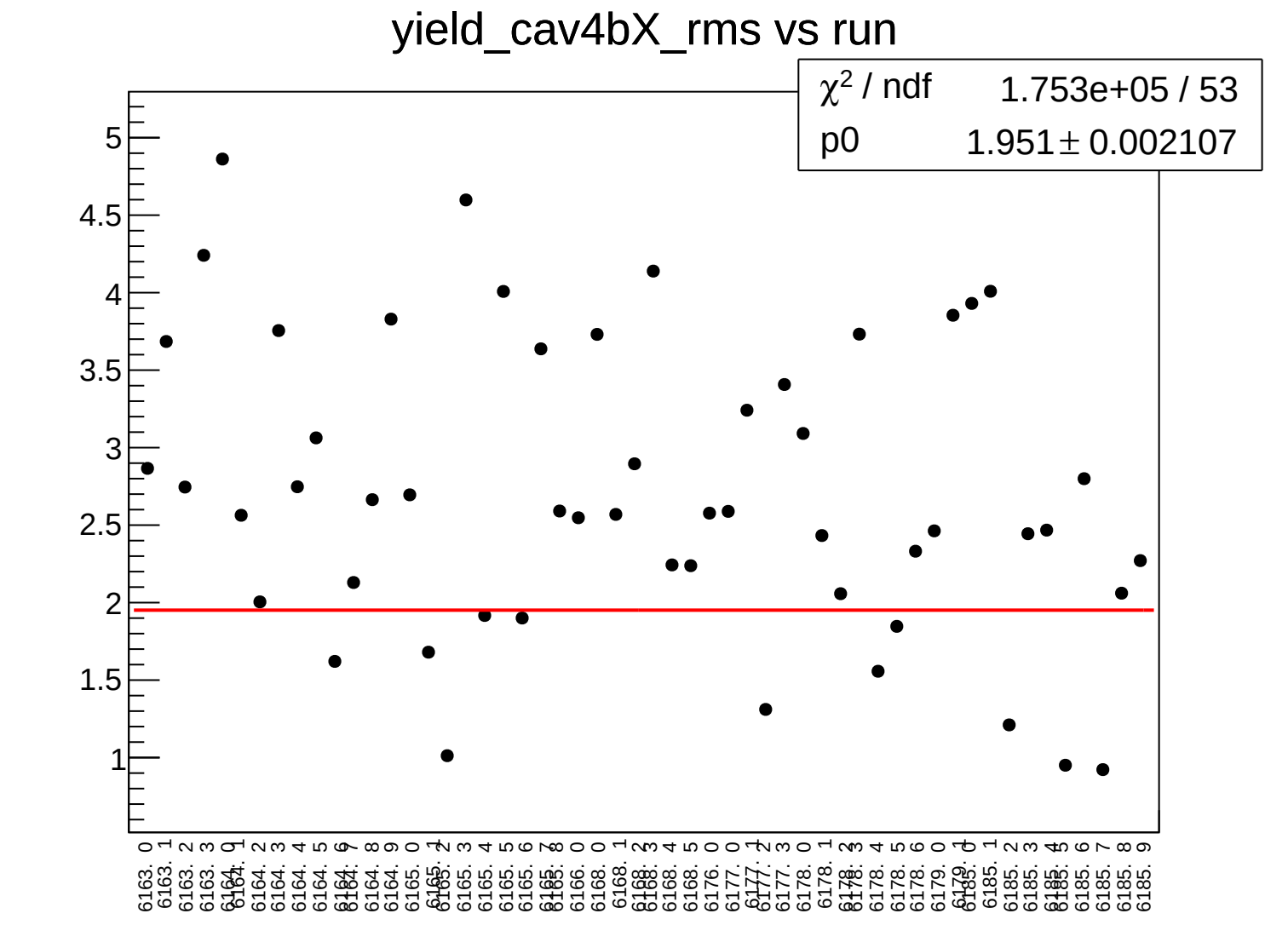

diff_bpmtargetdiffY_mean vs run
χ² / ndf 40.95 / 53
p0 −0.1905 ± 1.443
pull
Entries 54
Mean 123.5
Std Dev 0

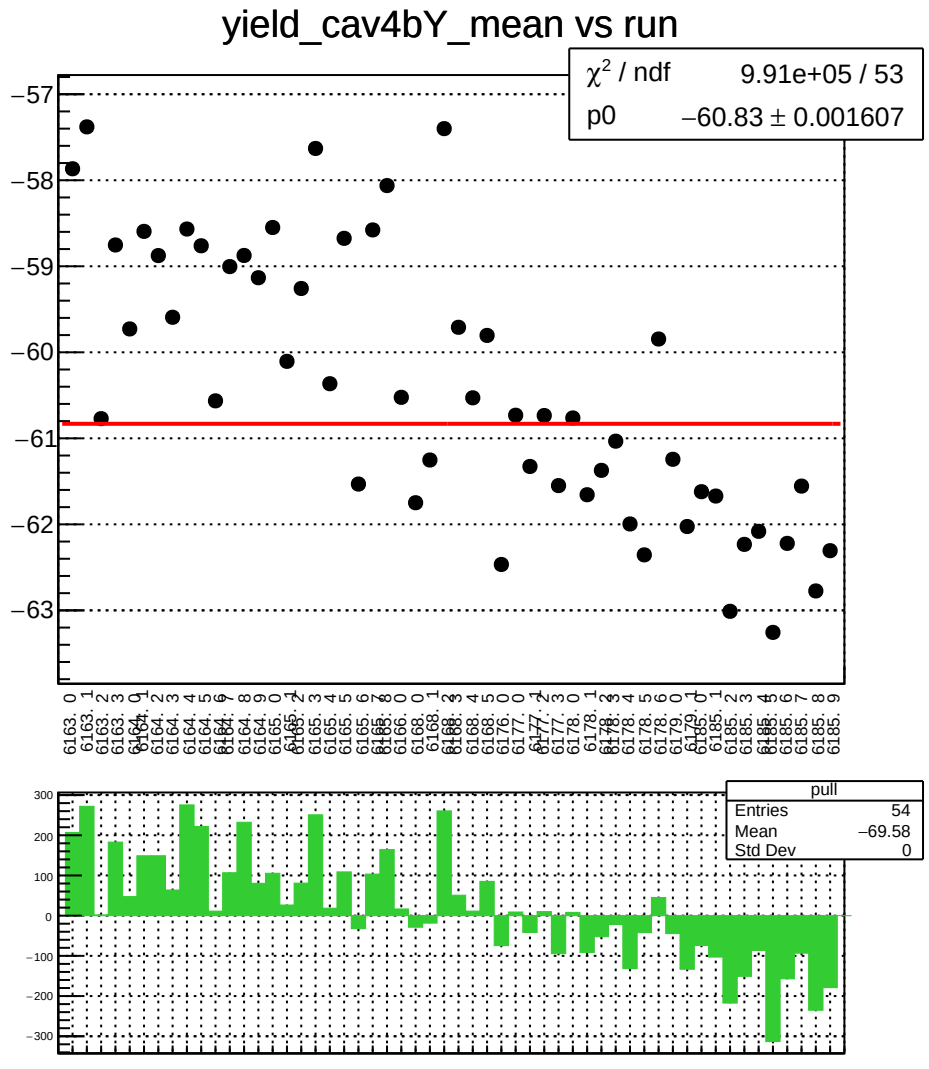

pull1D
Entries 54
Mean 0.02783
Std Dev 0.8704

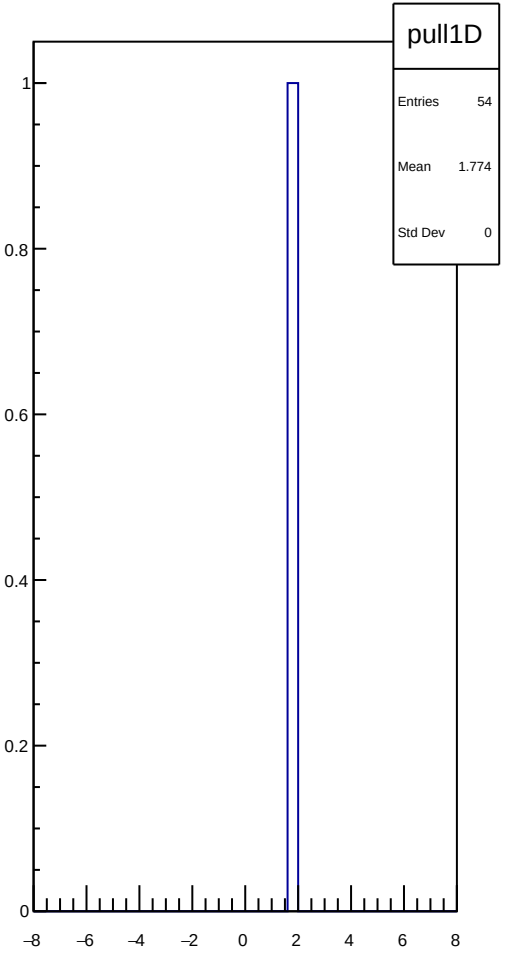

diff_bpmtargetdiffY_rms vs run
χ² / ndf 1.763e+04 / 53
p0 1028 ± 1.021
1400
1300
1200
1100
1000
900
800
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

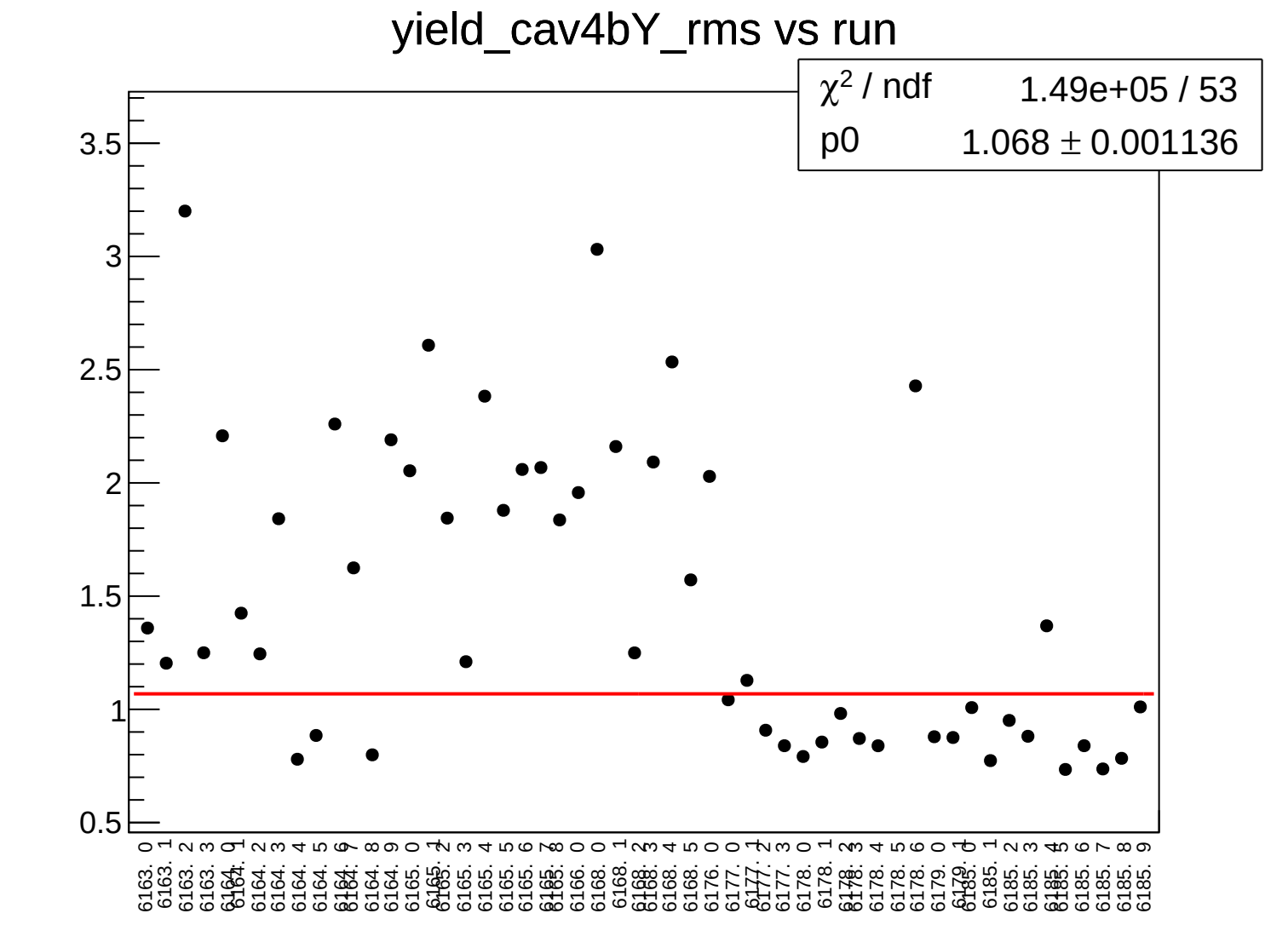

yield_cav4bX_mean vs run
χ² / ndf 8.83e+05 / 53
p0 −27.45 ± 0.00298
pull
Entries 54
Mean −102.9
Std Dev 0

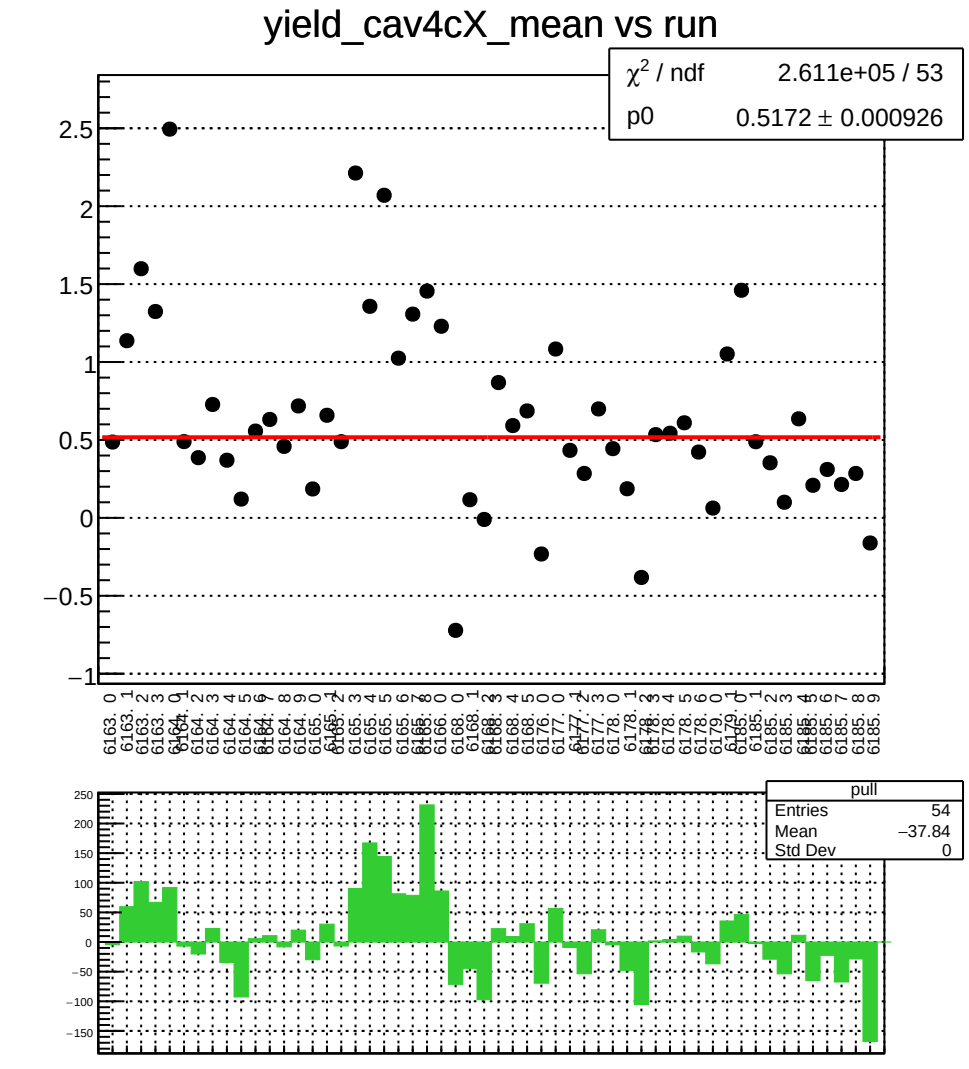

pull1D
Entries 54
Mean −2.164
Std Dev 2.038

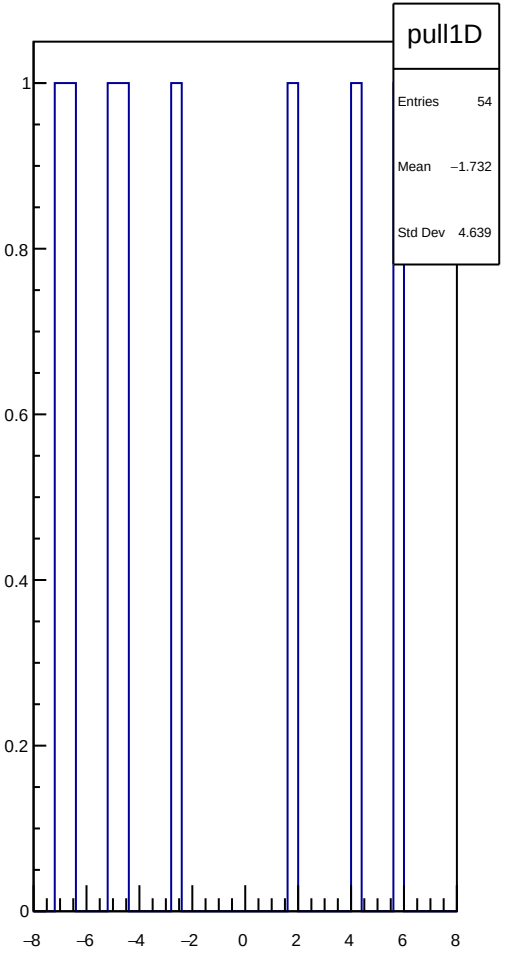

yield_cav4bX_rms vs run
χ² / ndf 1.753e+05 / 53
p0 1.951 ± 0.002107
5
4.5
4
3.5
3
2.5
2
1.5
1
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

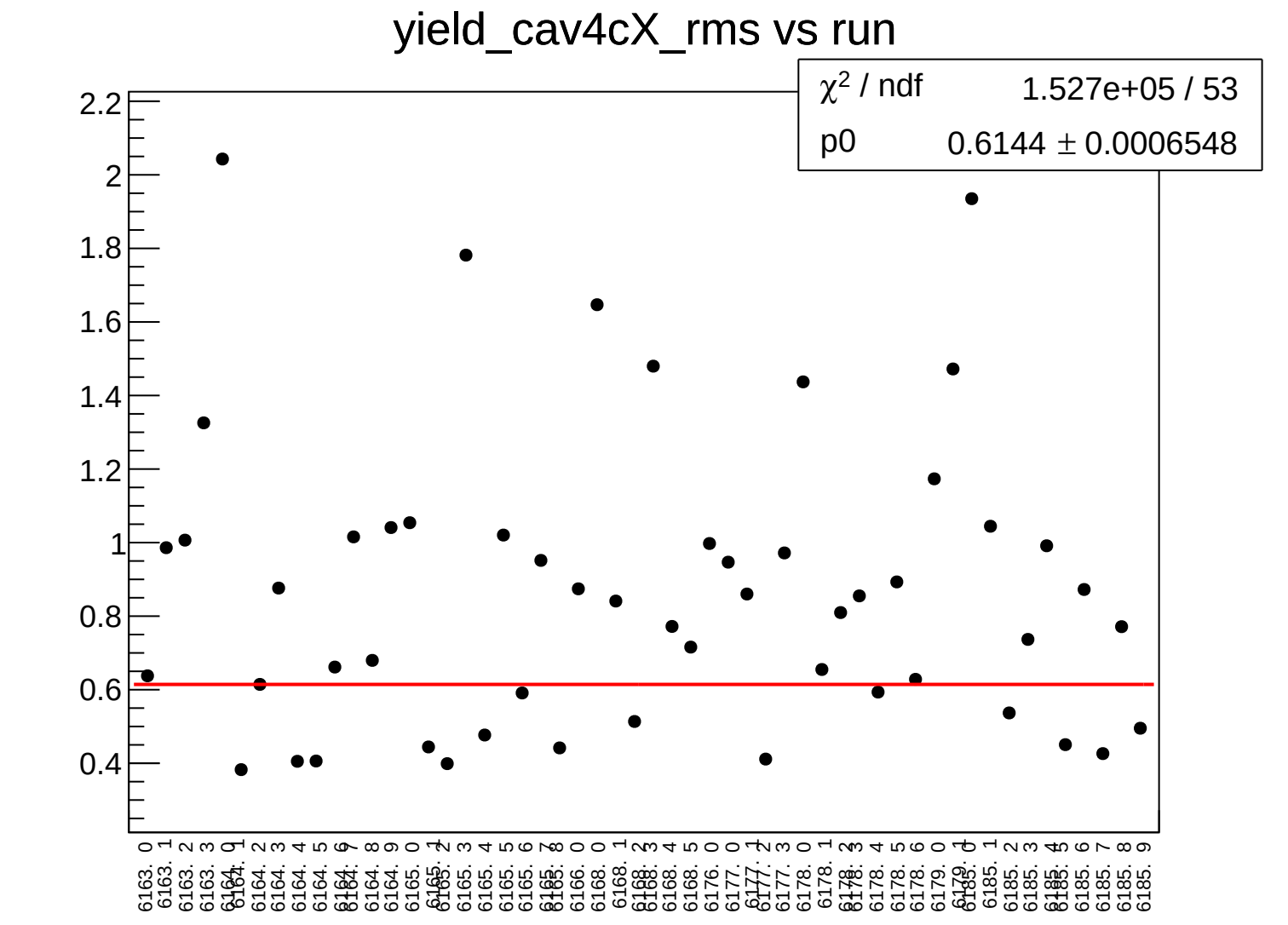

yield_cav4bY_mean vs run
χ² / ndf 9.91e+05 / 53
p0 −60.83 ± 0.001607
−57
−58
−59
−60
−61
−62
−63
pull
Entries 54
Mean −69.58
Std Dev 0
300
200
100
0
−100
−200
−300

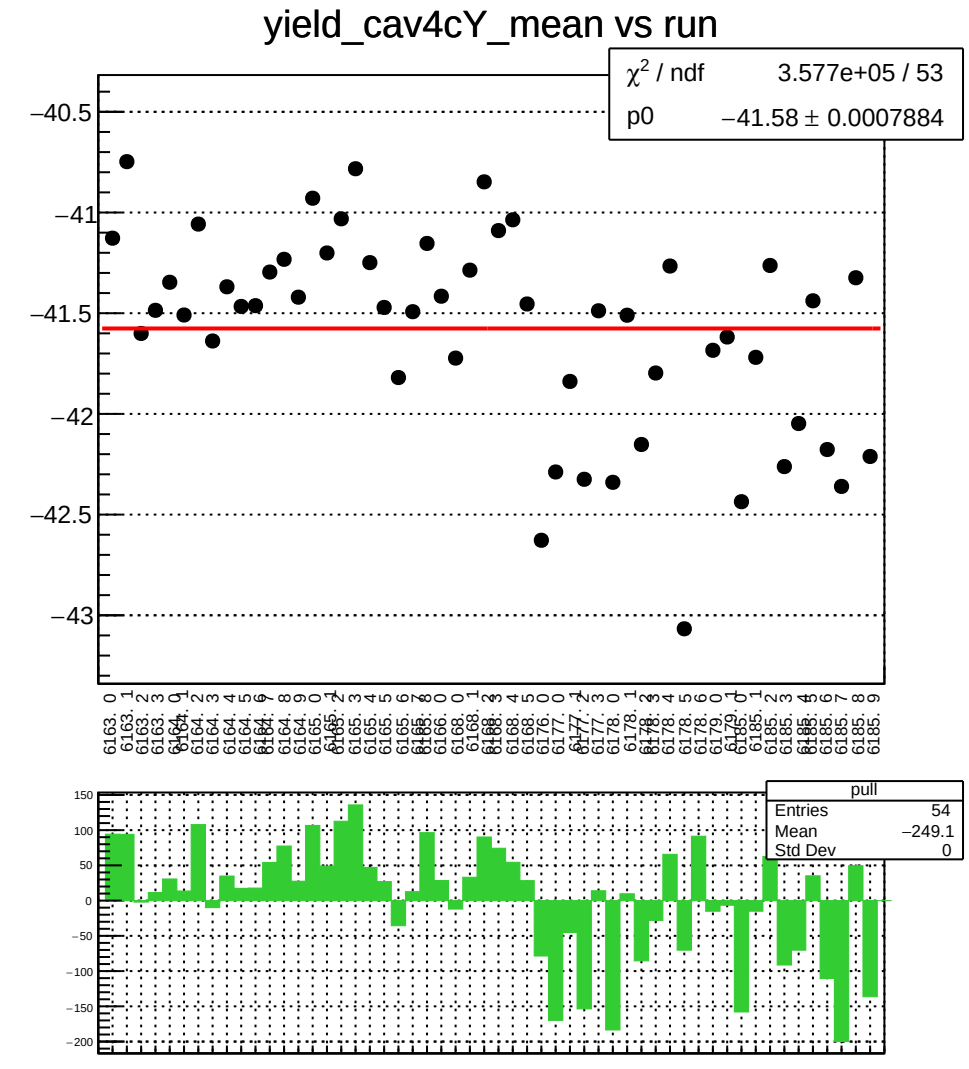

pull1D
Entries 54
Mean 1.774
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

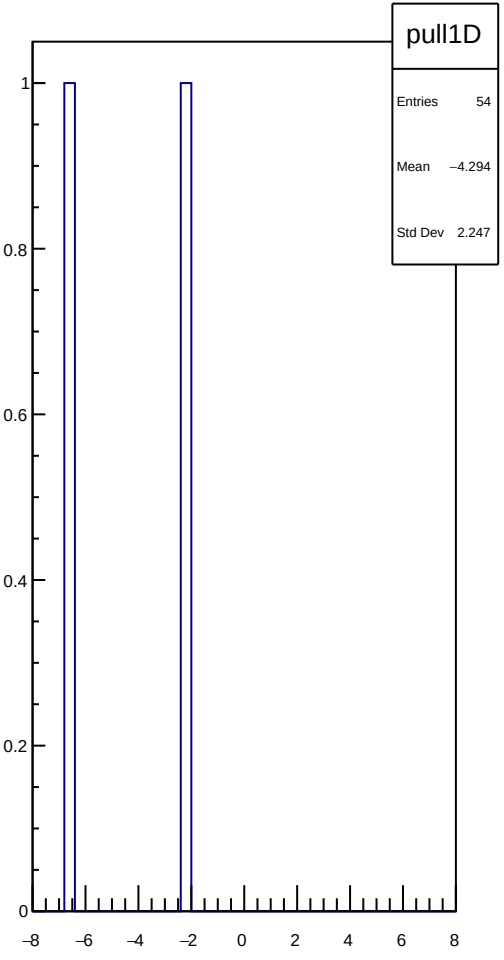

yield_cav4bY_rms vs run
χ² / ndf 1.49e+05 / 53
p0 1.068 ± 0.001136
3.5
3
2.5
2
1.5
1
0.5
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

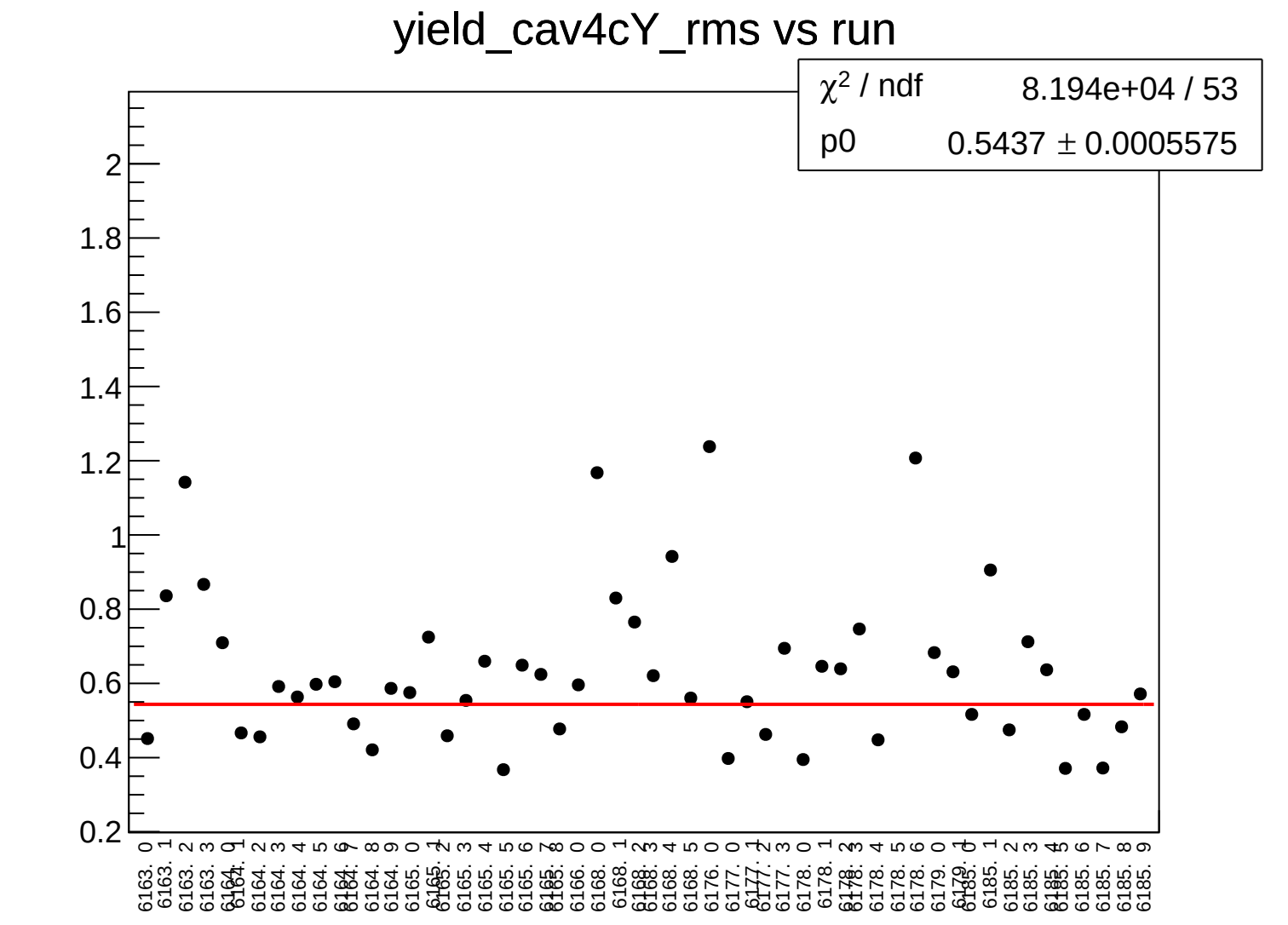

yield_cav4cX_mean vs run
χ² / ndf 2.611e+05 / 53
p0 0.5172 ± 0.000926
pull
Entries 54
Mean −37.84
Std Dev 0

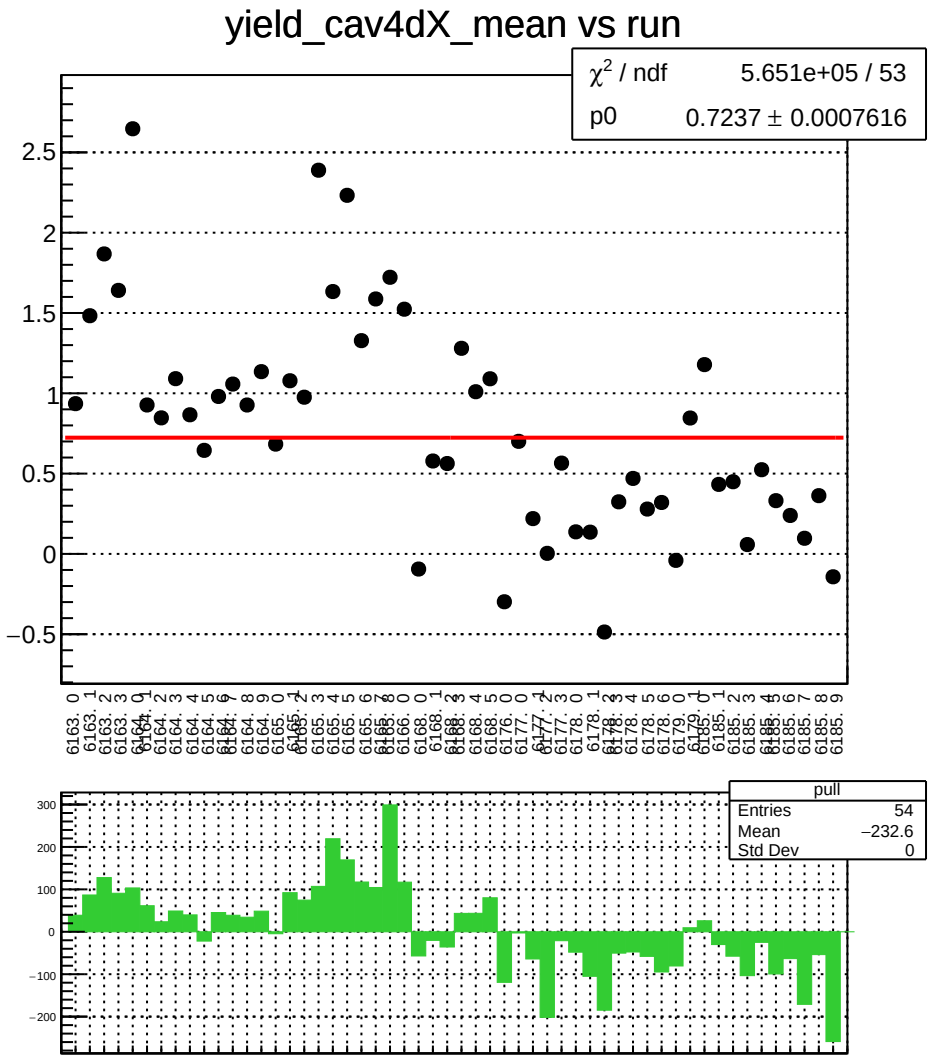

pull1D
Entries 54
Mean −1.732
Std Dev 4.639

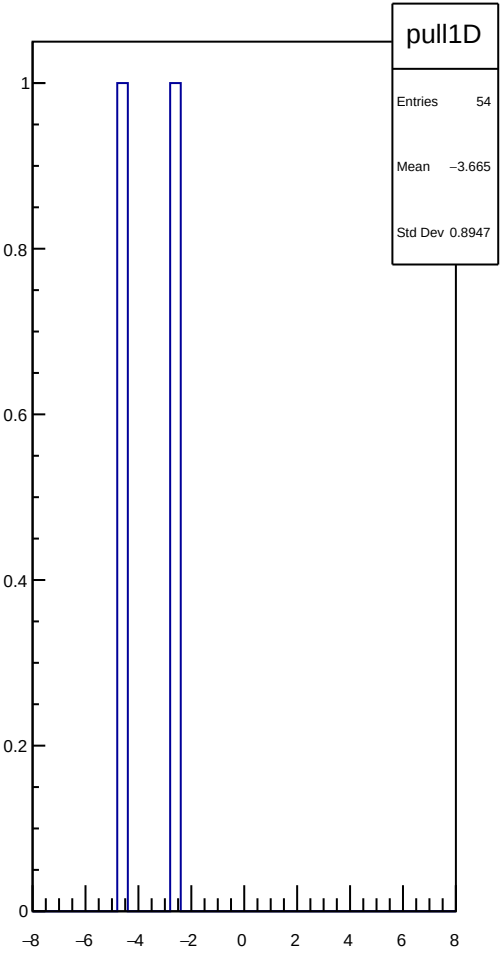

yield_cav4cX_rms vs run
χ² / ndf 1.527e+05 / 53
p0 0.6144 ± 0.0006548
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

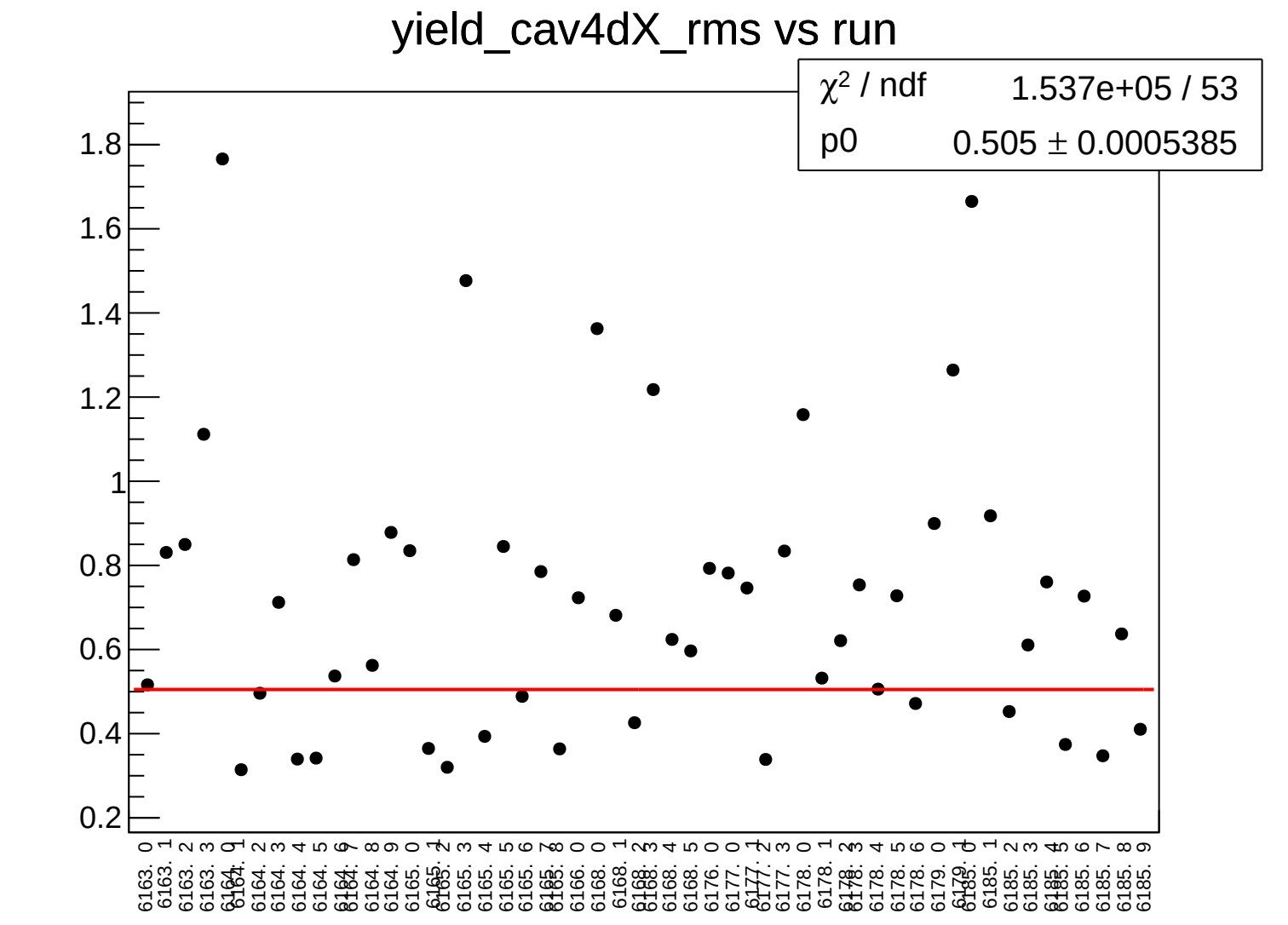

yield_cav4cY_mean vs run
χ² / ndf 3.577e+05 / 53
p0 −41.58 ± 0.0007884
−40.5
−41
−41.5
−42
−42.5
−43
pull
Entries 54
Mean −249.1
Std Dev 0
150
100
50
0
−50
−100
−150
−200

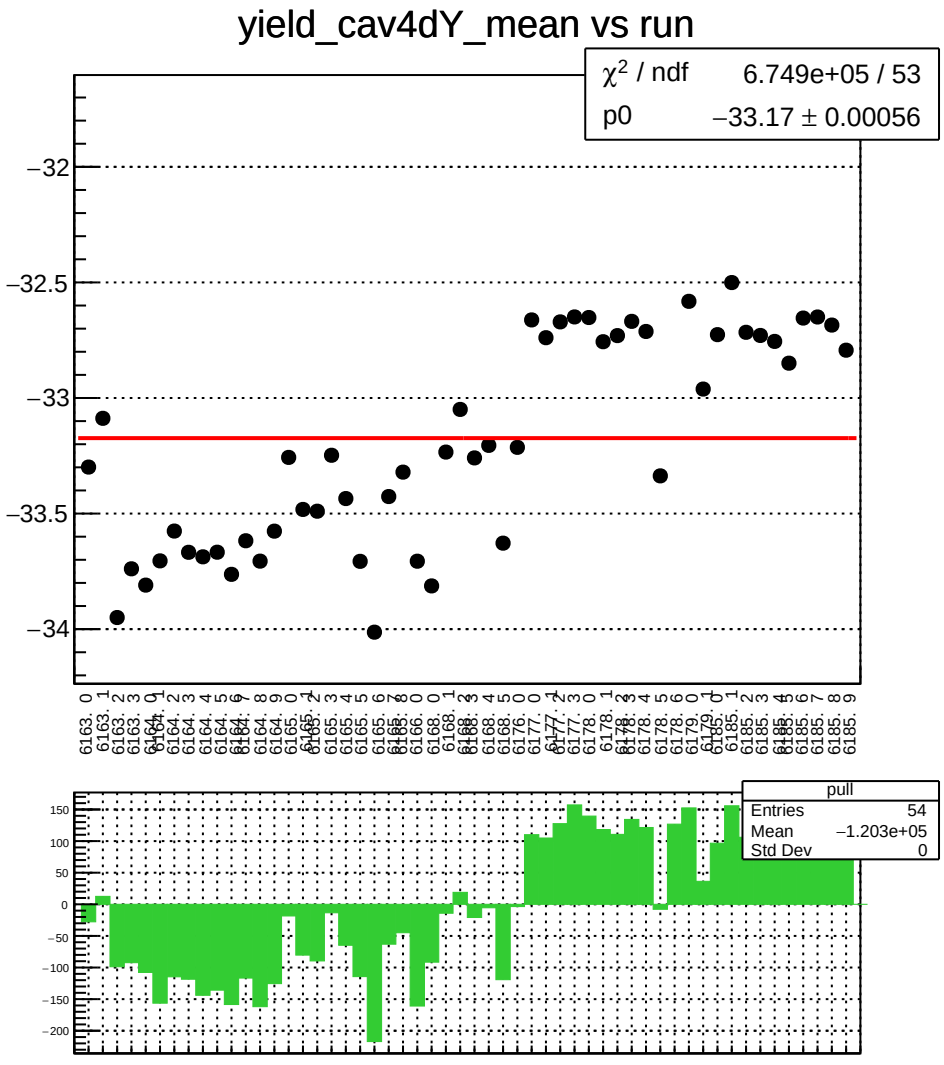

pull1D
Entries 54
Mean −4.294
Std Dev 2.247
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

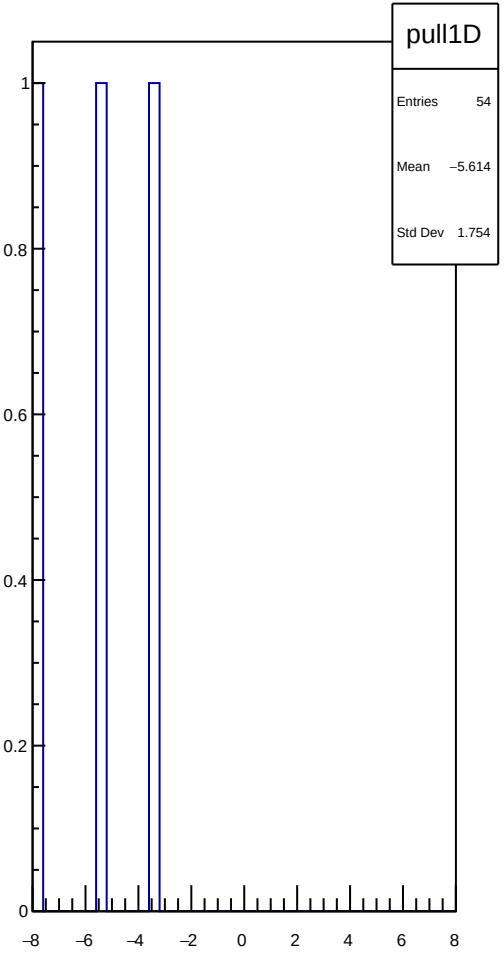

yield_cav4cY_rms vs run
χ² / ndf 8.194e+04 / 53
p0 0.5437 ± 0.0005575
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

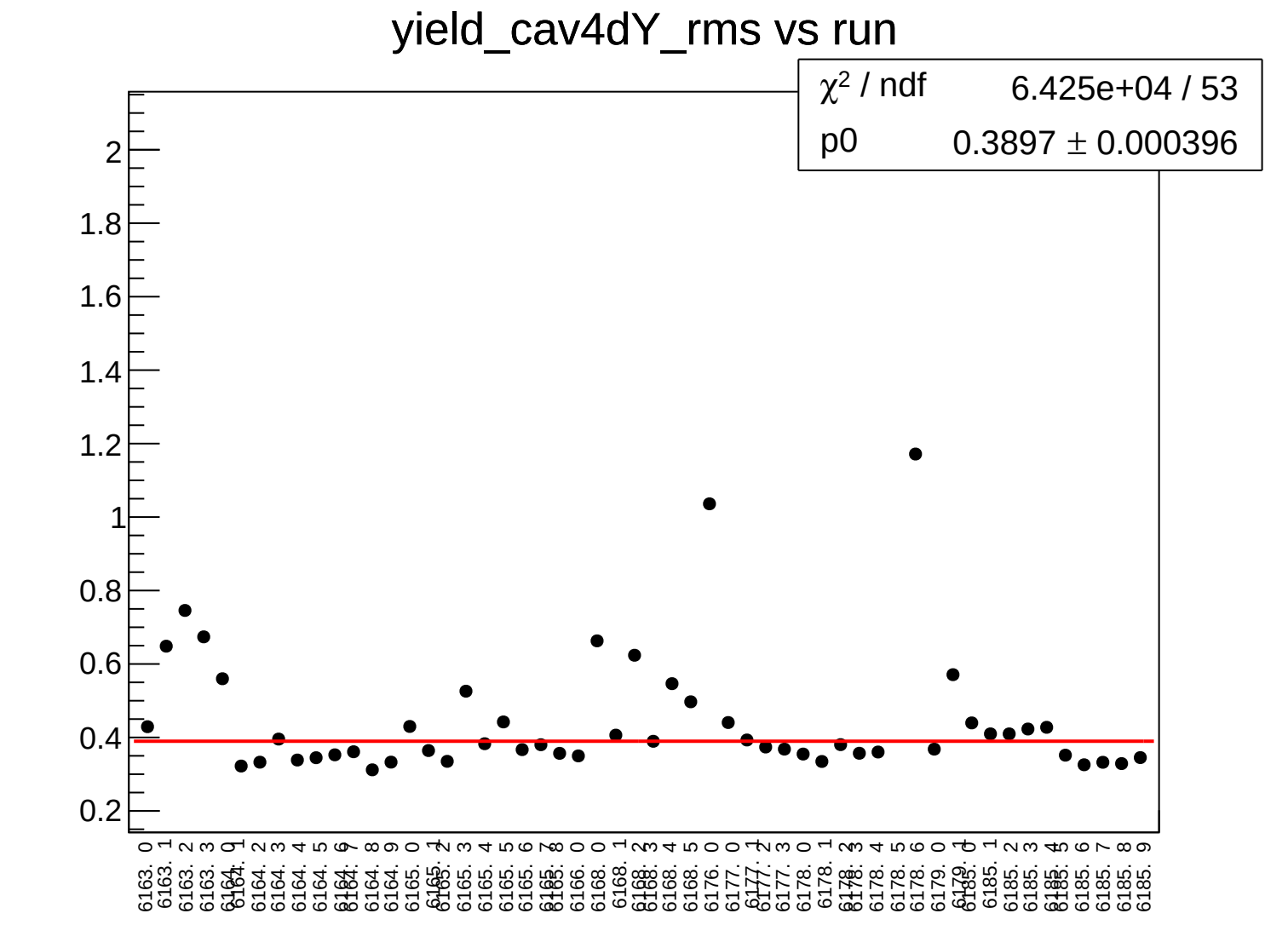

yield_cav4dX_mean vs run
χ² / ndf 5.651e+05 / 53
p0 0.7237 ± 0.0007616
pull
Entries 54
Mean −232.6
Std Dev 0

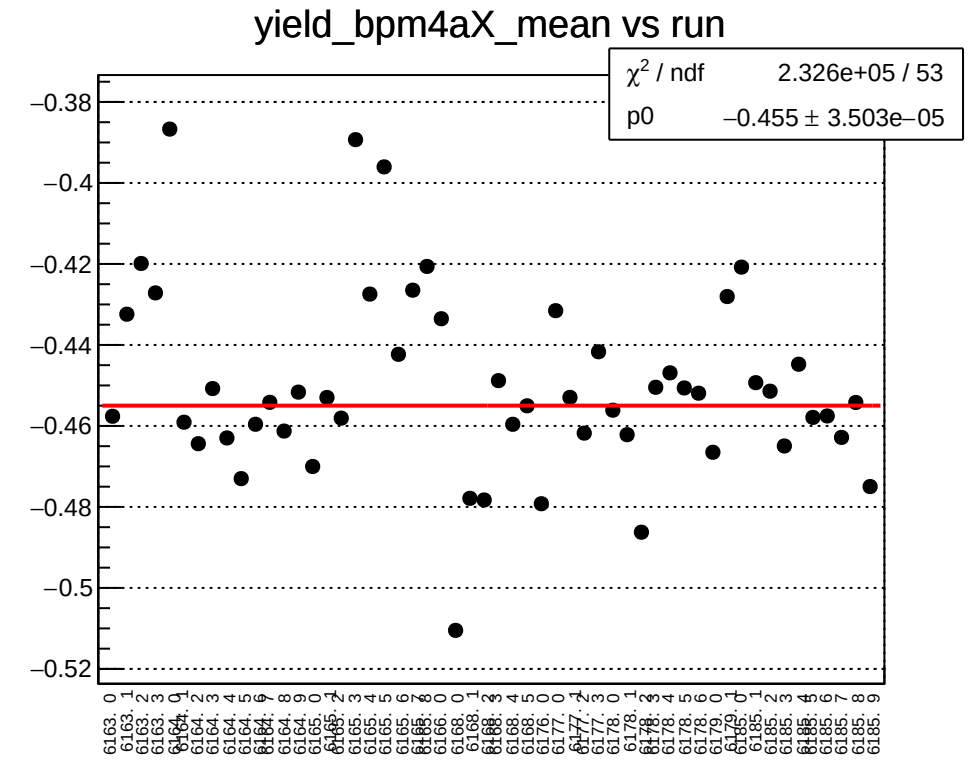

pull1D
Entries 54
Mean −3.665
Std Dev 0.8947

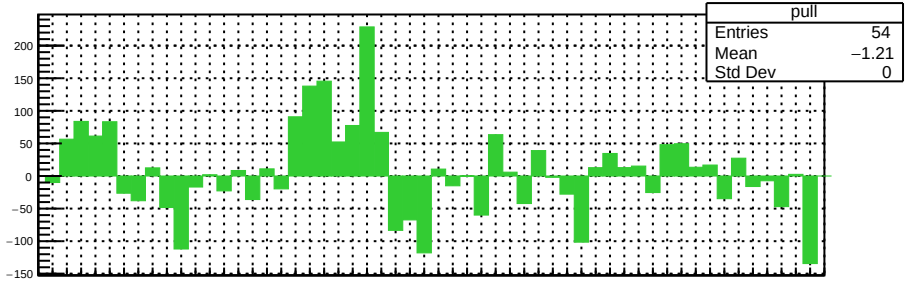

yield_cav4dX_rms vs run
χ² / ndf 1.537e+05 / 53
p0 0.505 ± 0.0005385
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

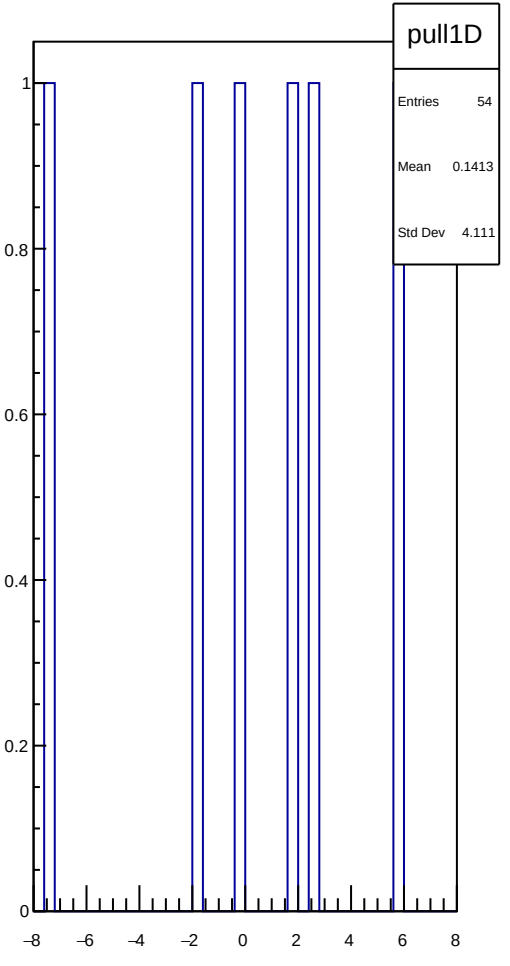

yield_cav4dY_mean vs run
χ² / ndf 6.749e+05 / 53
p0 −33.17 ± 0.00056
−32
−32.5
−33
−33.5
−34
pull
Entries 54
Mean −1.203e+05
Std Dev 0
150
100
50
0
−50
−100
−150
−200

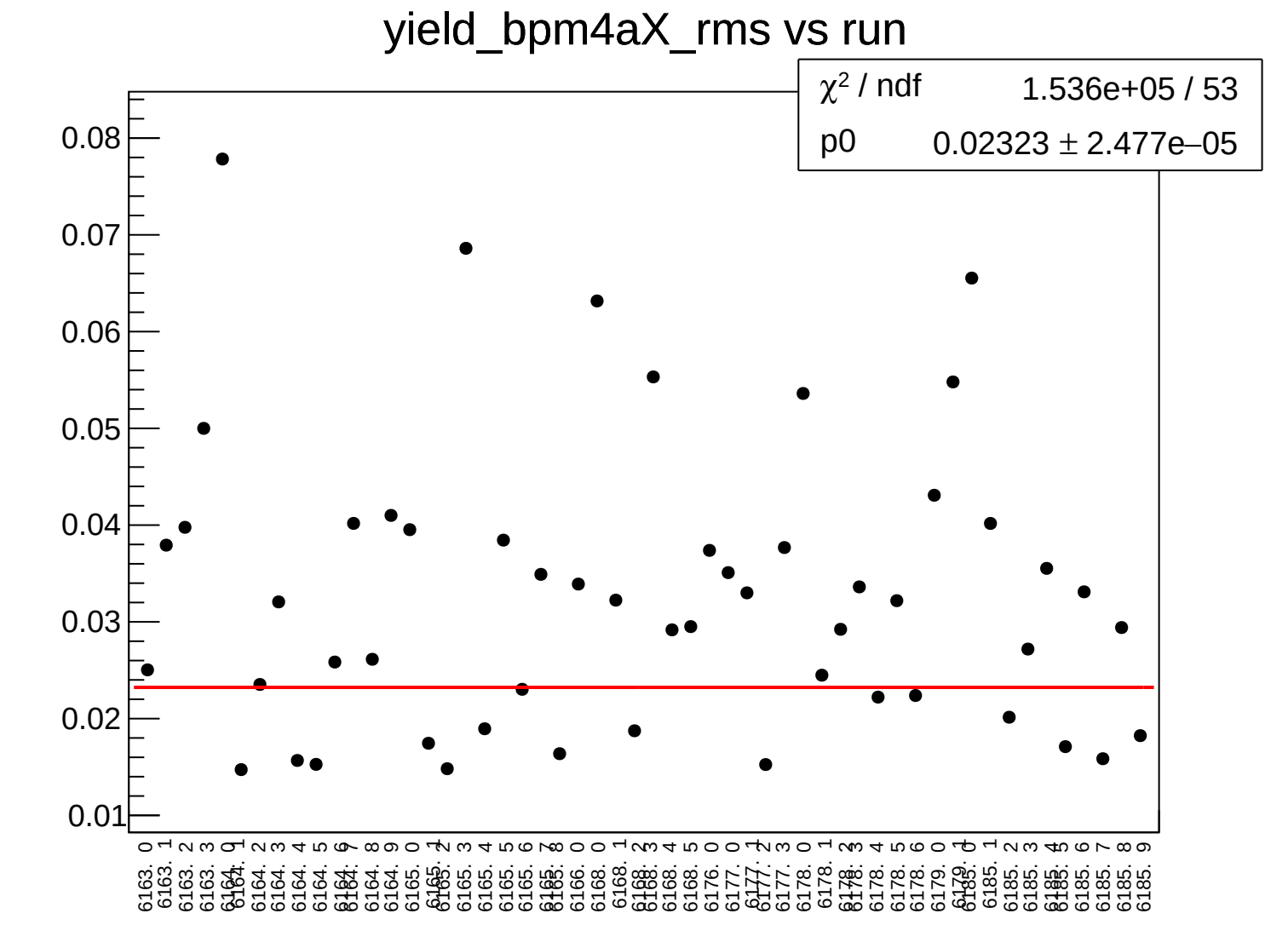

pull1D
Entries 54
Mean −5.614
Std Dev 1.754
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

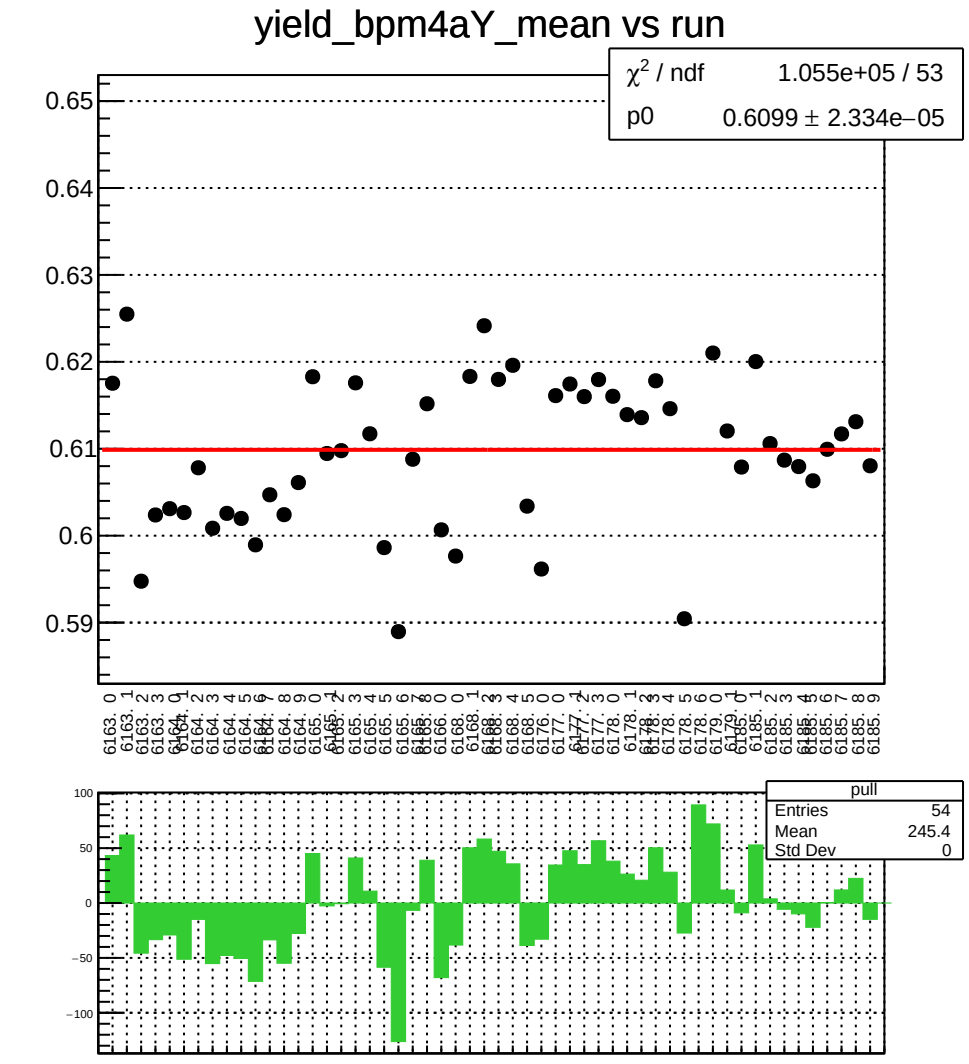

yield_cav4dY_rms vs run
χ² / ndf 6.425e+04 / 53
p0 0.3897 ± 0.000396
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

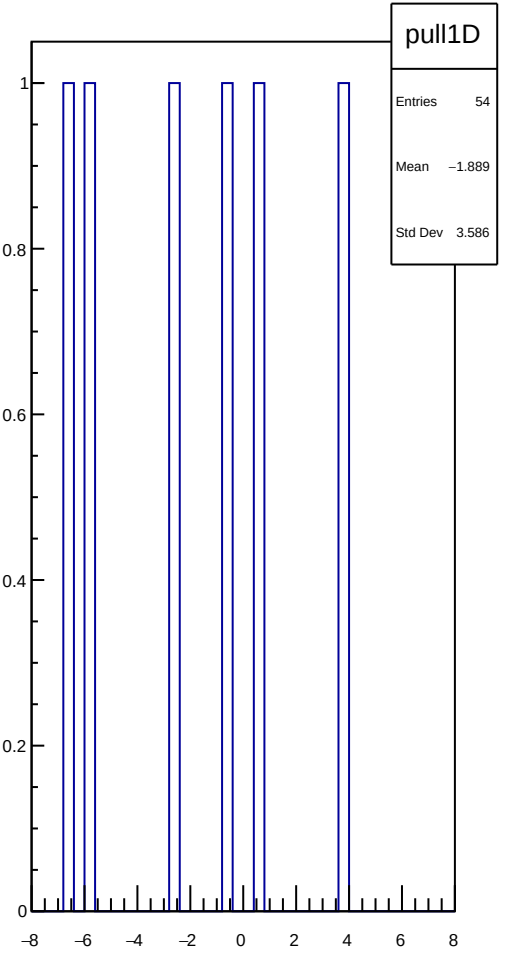

yield_bpm4aX_mean vs run
χ² / ndf 2.326e+05 / 53
p0 −0.455 ± 3.503e−05
−0.38
−0.4
−0.42
−0.44
−0.46
−0.48
−0.5
−0.52

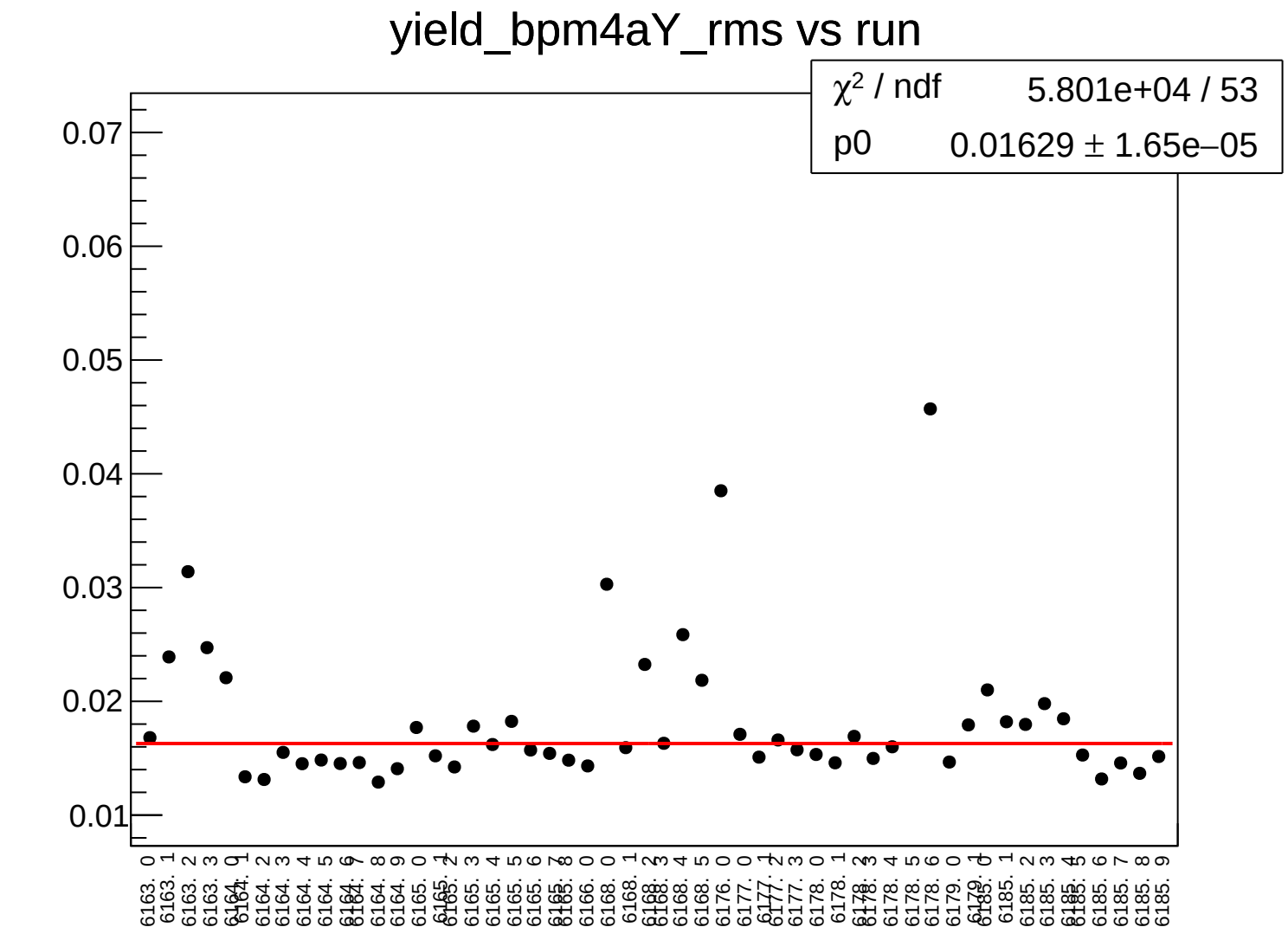

pull
Entries 54
Mean −1.21
Std Dev 0
200
150
100
50
0
−50
−100
−150

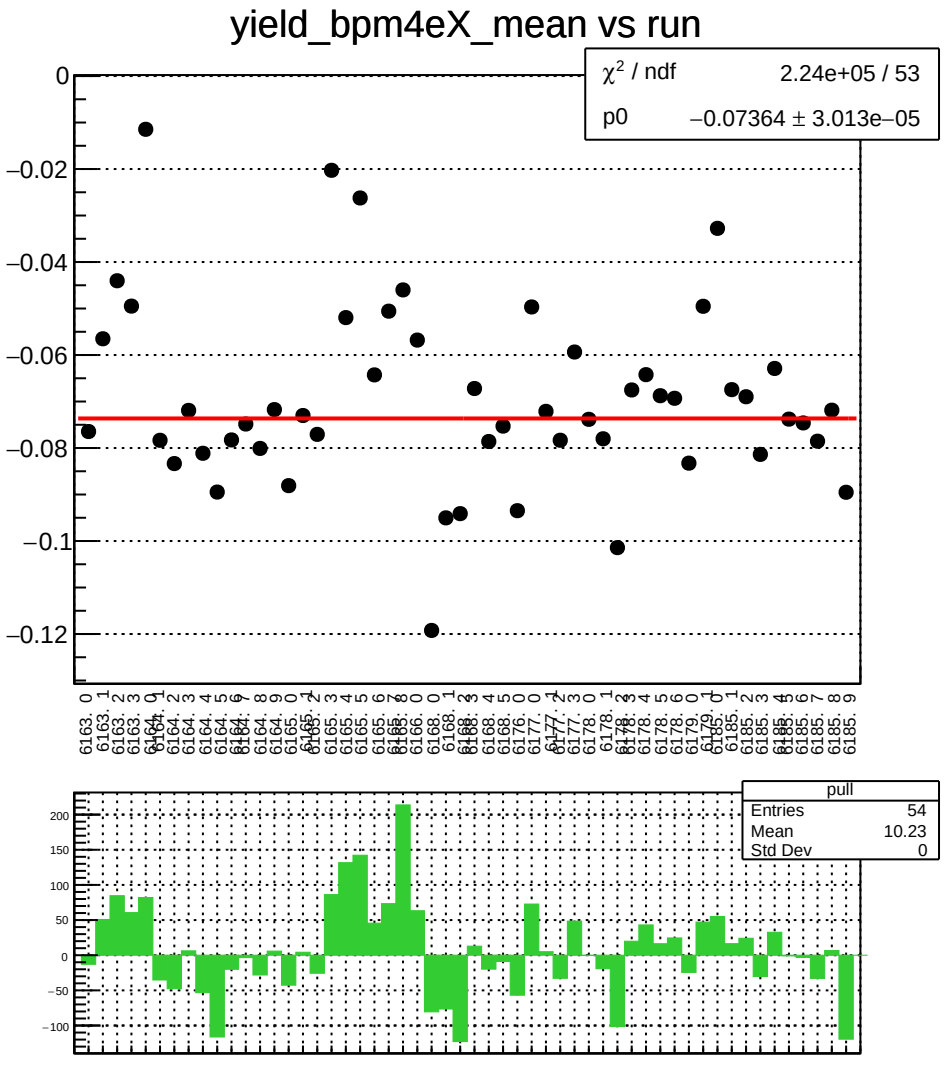

pull1D
Entries 54
Mean 0.1413
Std Dev 4.111
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

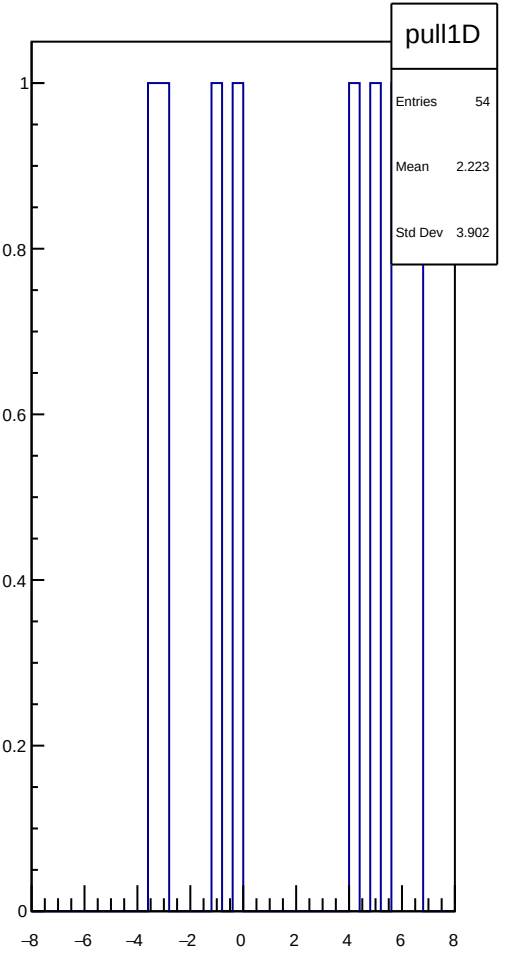

yield_bpm4aX_rms vs run
χ² / ndf 1.536e+05 / 53
p0 0.02323 ± 2.477e−05
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

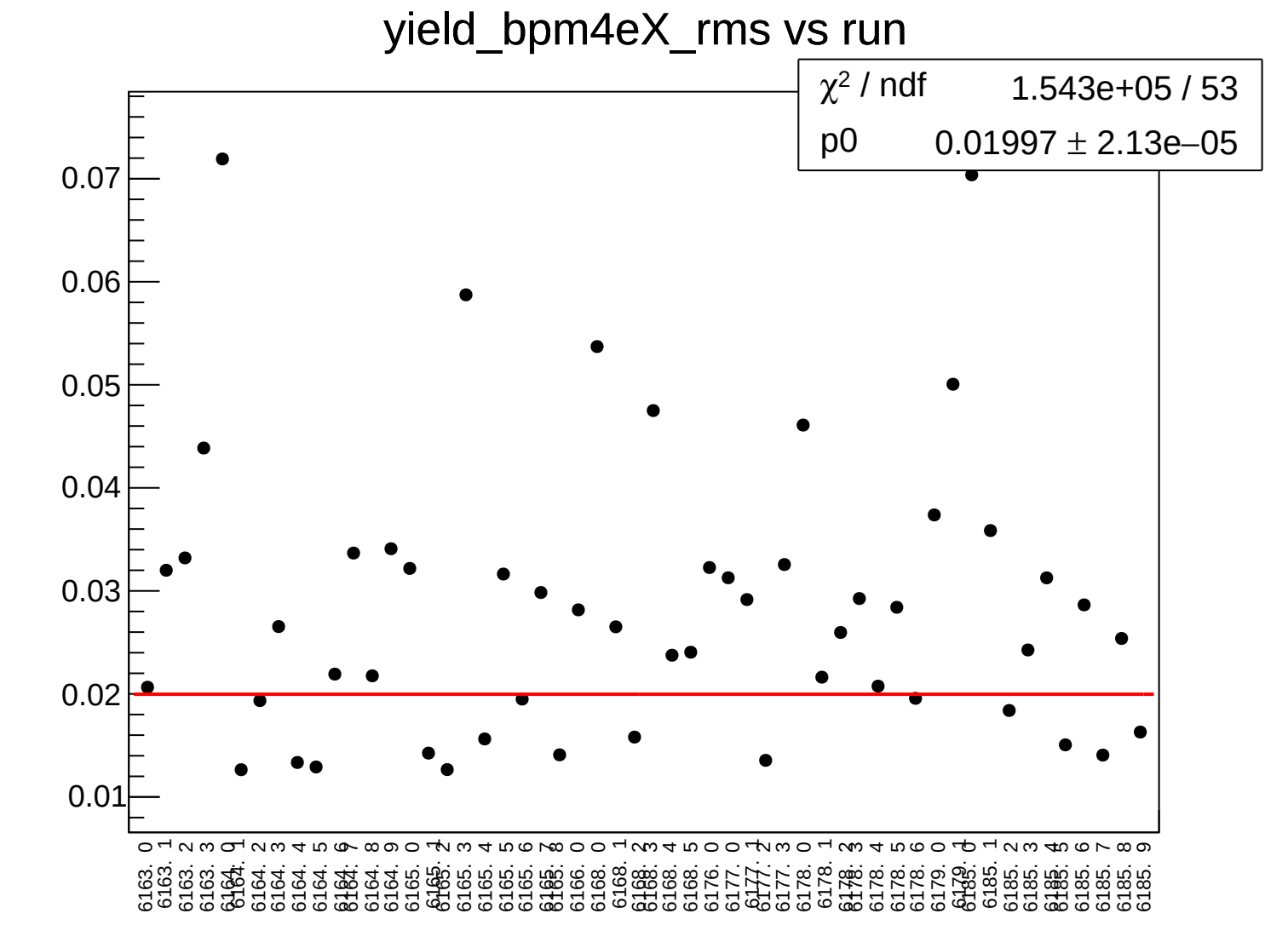

yield_bpm4aY_mean vs run
χ² / ndf 1.055e+05 / 53
p0 0.6099 ± 2.334e−05
0.65
0.64
0.63
0.62
0.61
0.6
0.59
pull
Entries 54
Mean 245.4
Std Dev 0
100
50
0
−50
−100

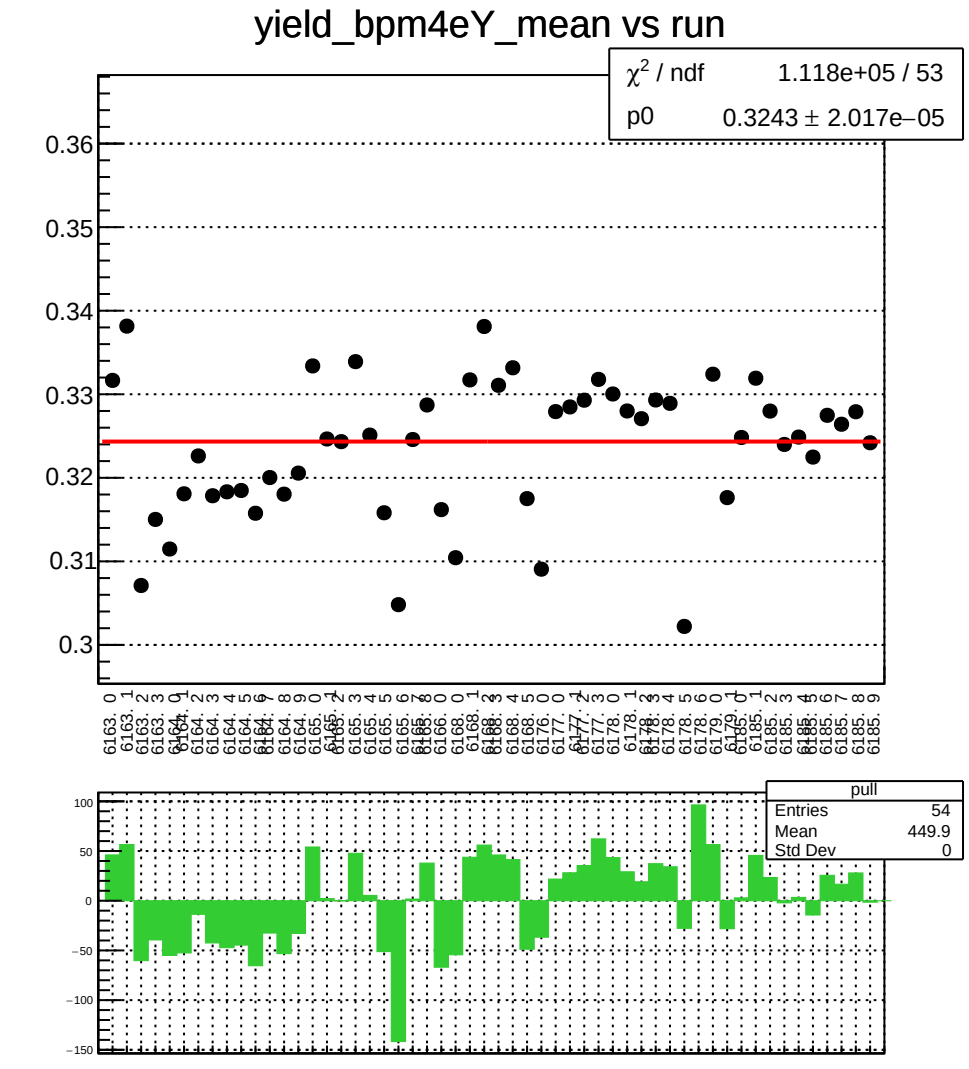

pull1D
Entries 54
Mean −1.889
Std Dev 3.586
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

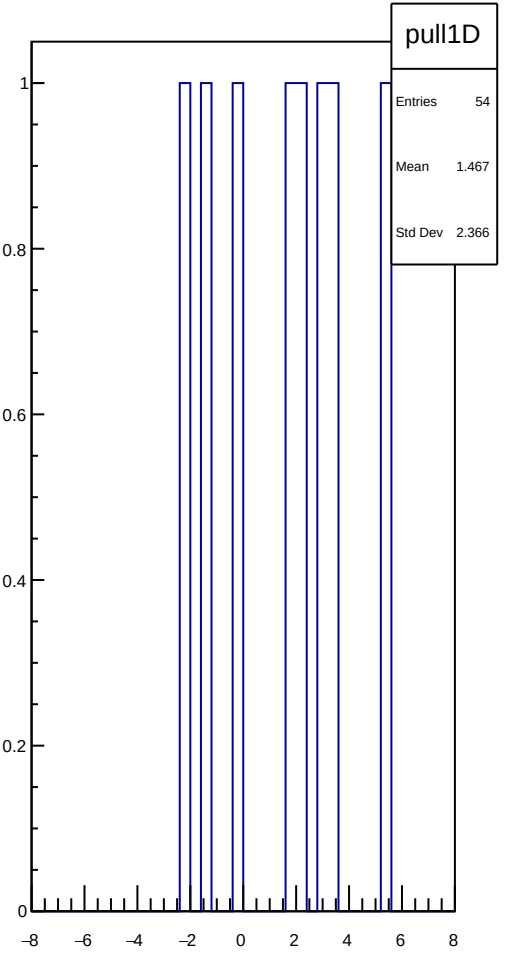

yield_bpm4aY_rms vs run
χ² / ndf 5.801e+04 / 53
p0 0.01629 ± 1.65e−05
0.07
0.06
0.05
0.04
0.03
0.02
0.01
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

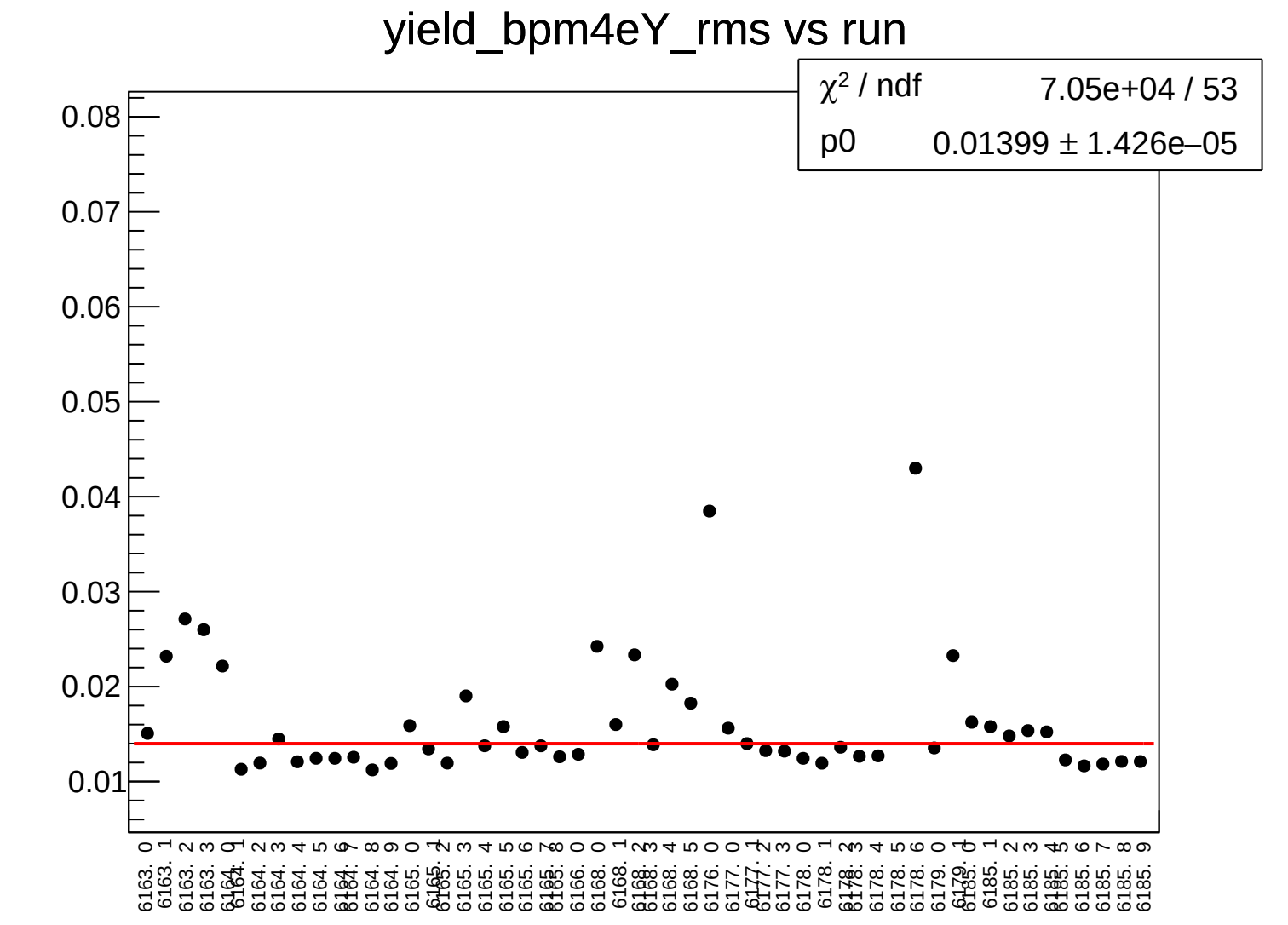

yield_bpm4eX_mean vs run
χ² / ndf 2.24e+05 / 53
p0 −0.07364 ± 3.013e−05
pull
Entries 54
Mean 10.23
Std Dev 0

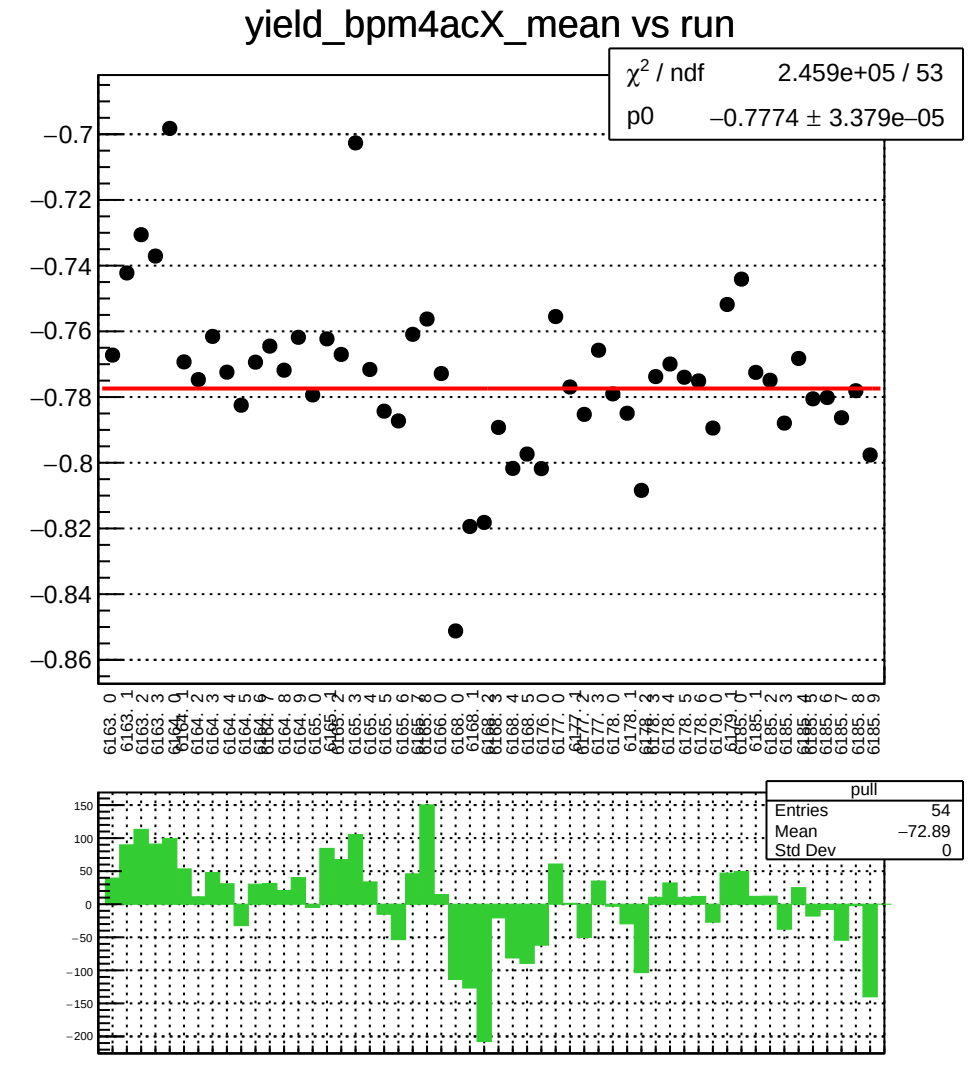

pull1D
Entries 54
Mean 2.223
Std Dev 3.902

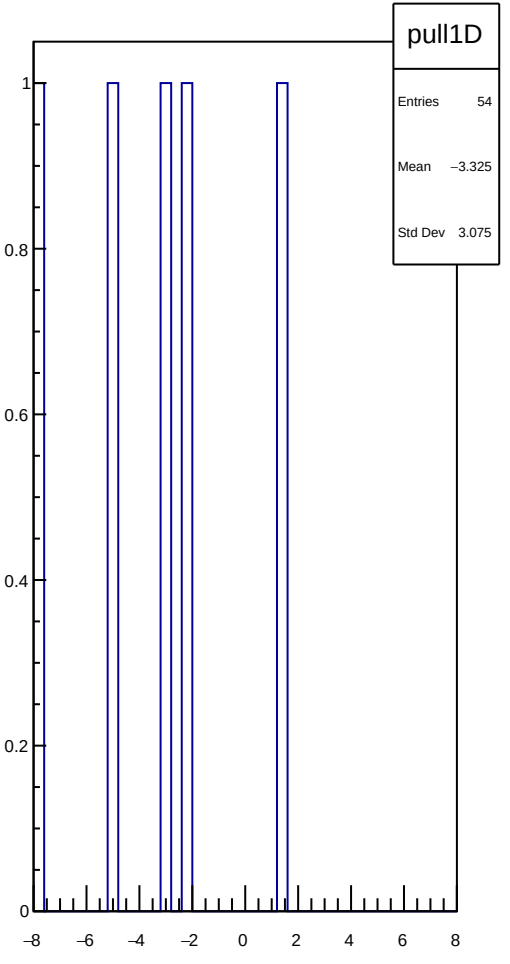

yield_bpm4eX_rms vs run
χ² / ndf 1.543e+05 / 53
p0 0.01997 ± 2.13e−05
0.07
0.06
0.05
0.04
0.03
0.02
0.01
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

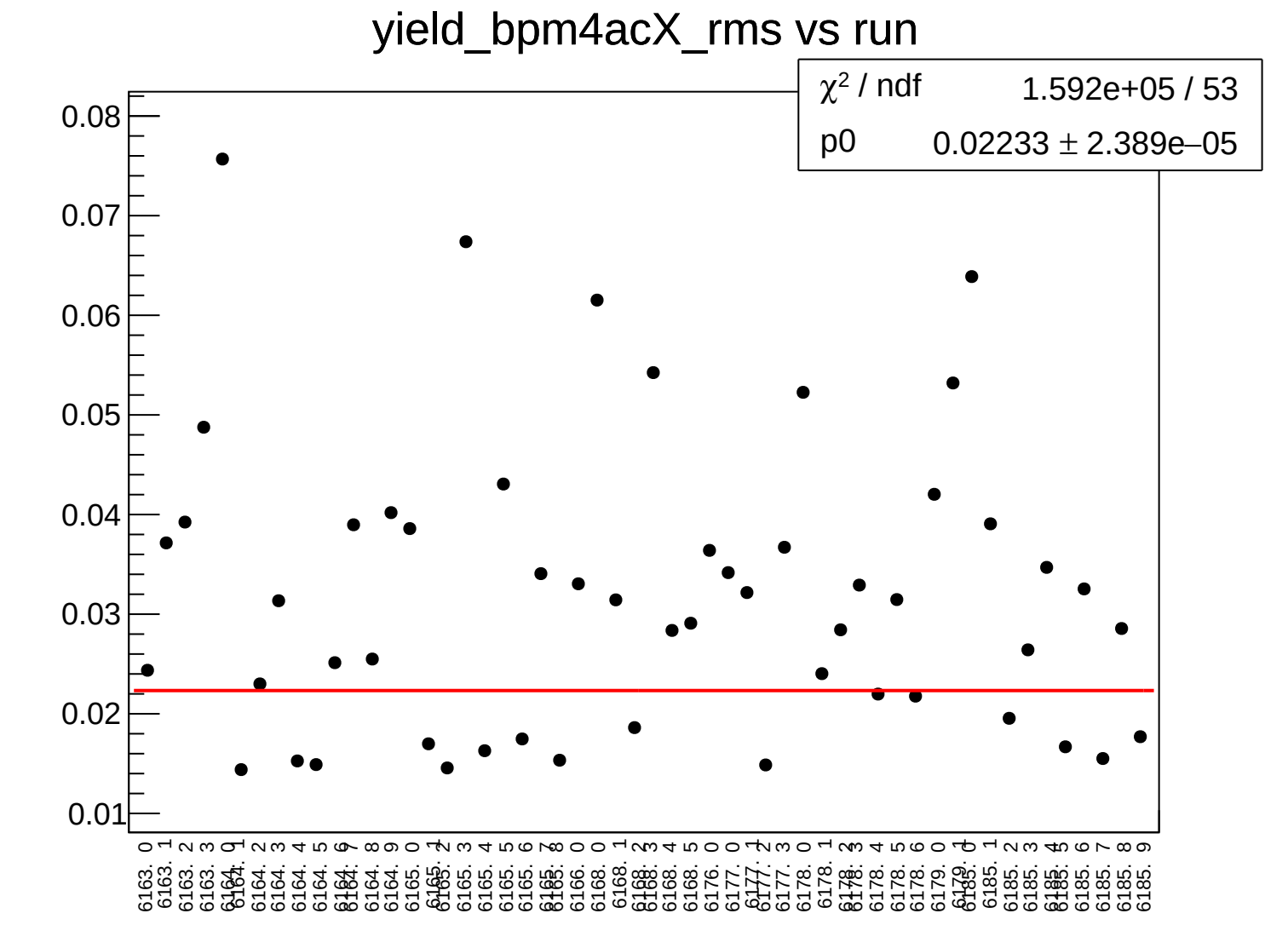

yield_bpm4eY_mean vs run
χ² / ndf 1.118e+05 / 53
p0 0.3243 ± 2.017e−05
0.36
0.35
0.34
0.33
0.32
0.31
0.3
pull
Entries 54
Mean 449.9
Std Dev 0
100
50
0
−50
−100
−150

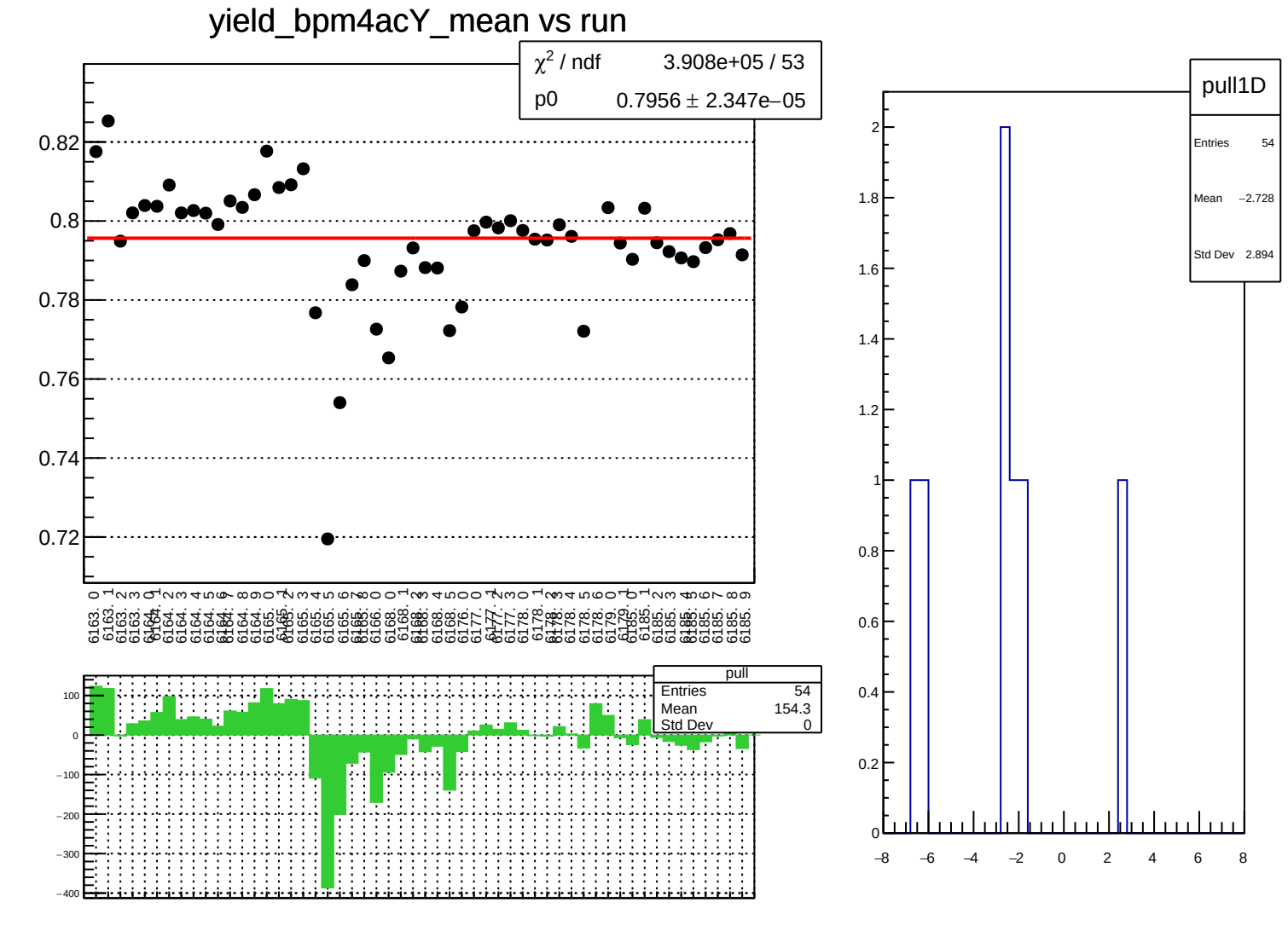

pull1D
Entries 54
Mean 1.467
Std Dev 2.366
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

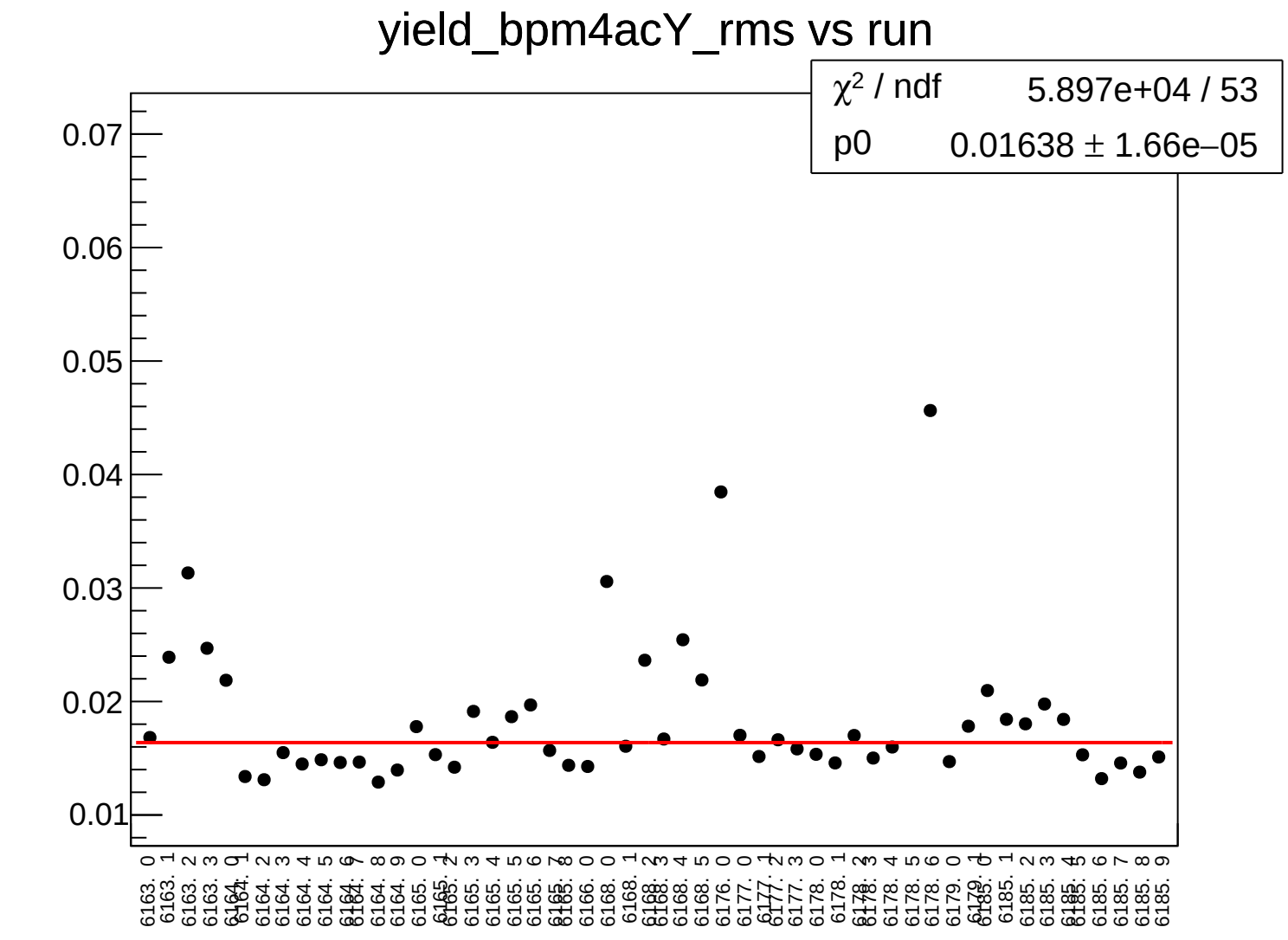

yield_bpm4eY_rms vs run
χ² / ndf 7.05e+04 / 53
p0 0.01399 ± 1.426e−05
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

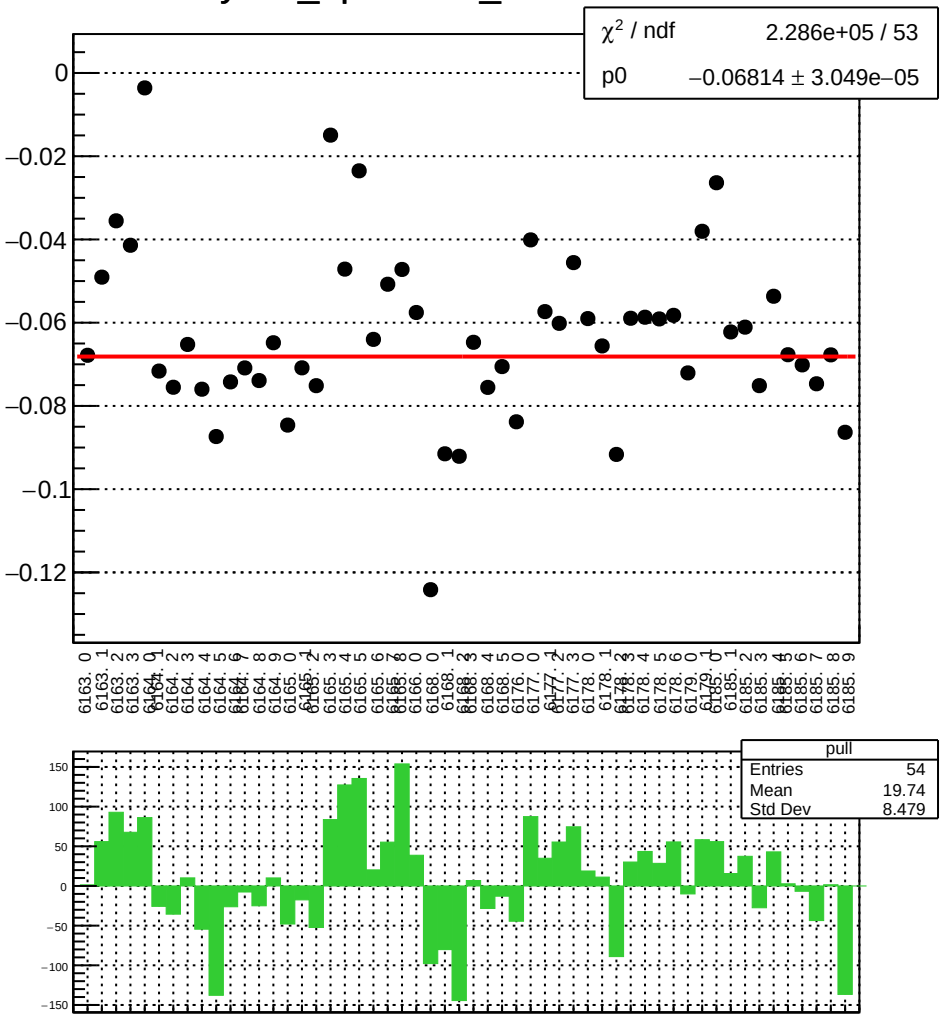

yield_bpm4acX_mean vs run
χ² / ndf 2.459e+05 / 53
p0 −0.7774 ± 3.379e−05
pull
Entries 54
Mean −72.89
Std Dev 0

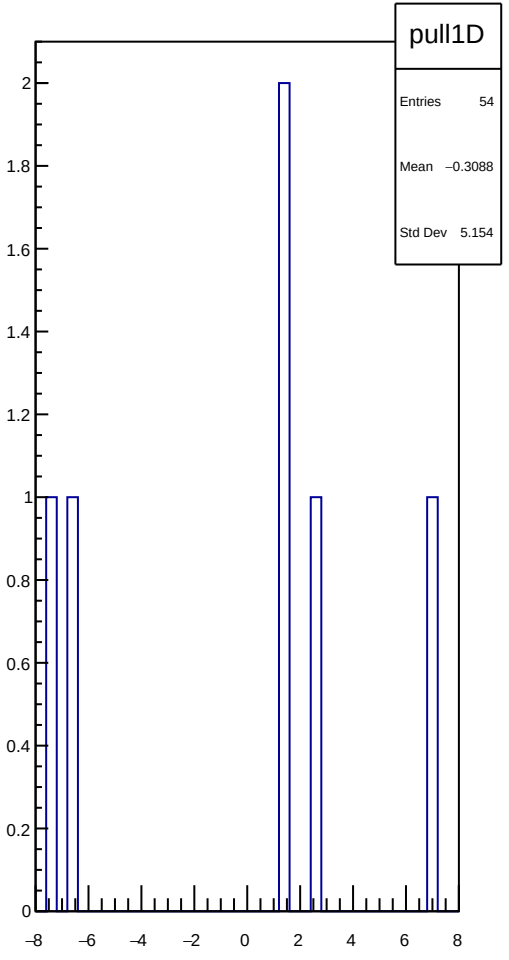

pull1D
Entries 54
Mean −3.325
Std Dev 3.075

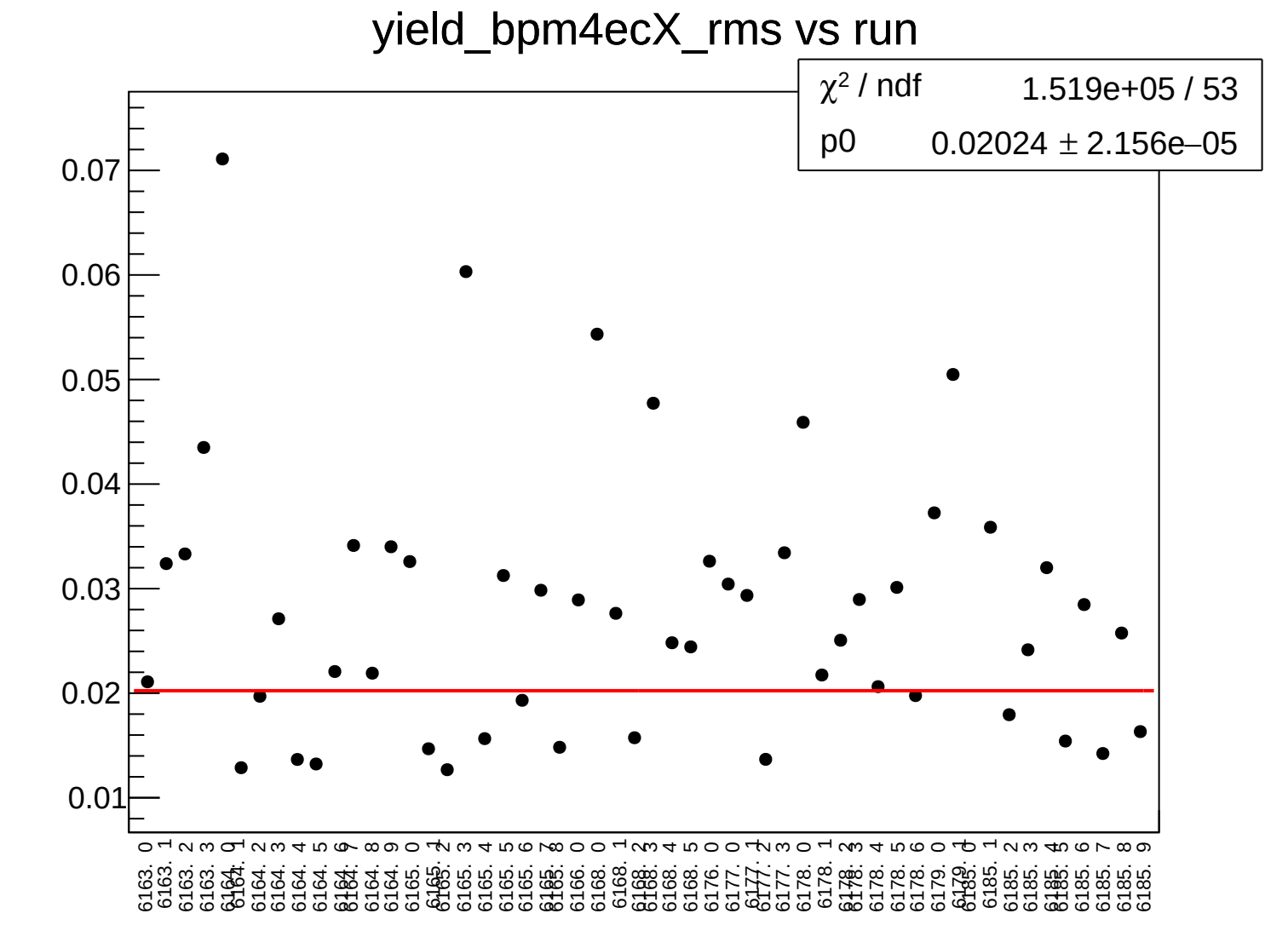

yield_bpm4acX_rms vs run
χ² / ndf 1.592e+05 / 53
p0 0.02233 ± 2.389e–05
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

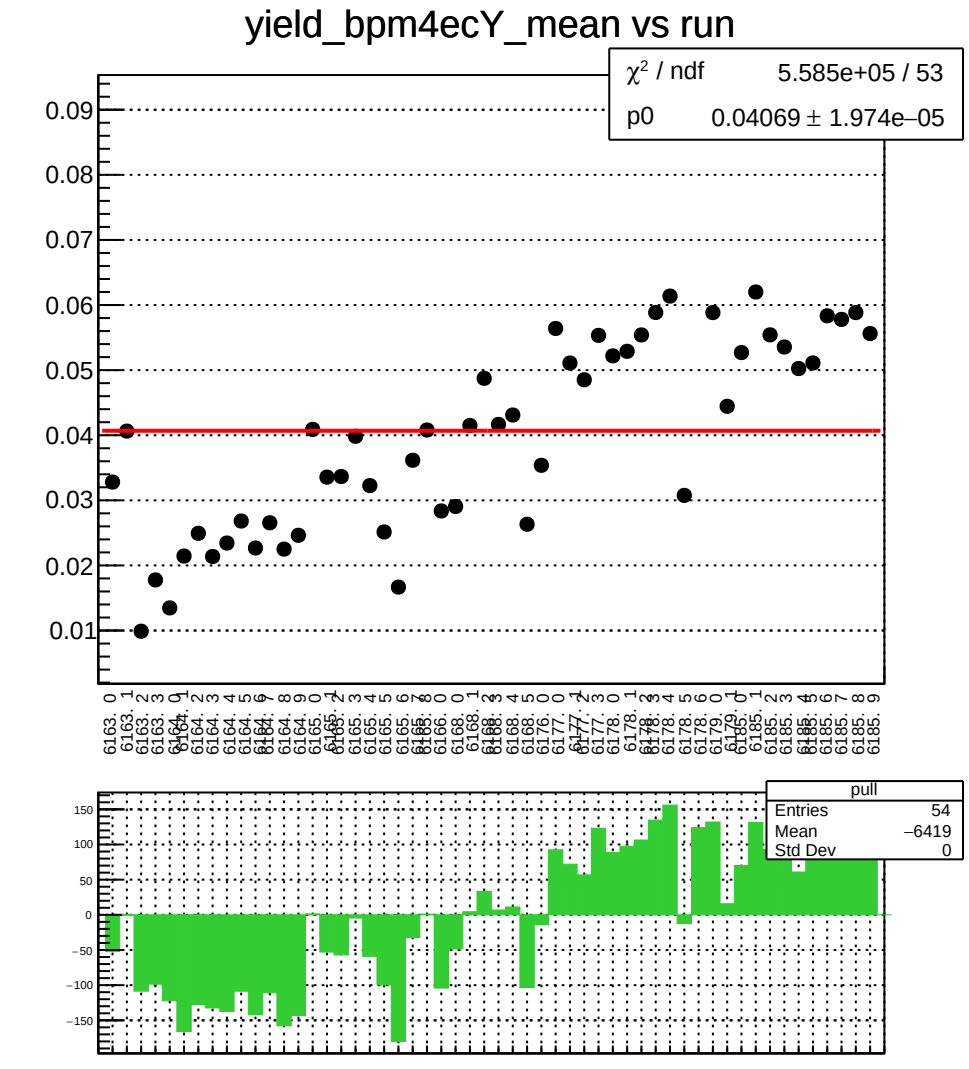

yield_bpm4acY_mean vs run
χ² / ndf 3.908e+05 / 53
p0 0.7956 ± 2.347e−05
0.82
0.8
0.78
0.76
0.74
0.72
pull
Entries 54
Mean 154.3
Std Dev 0
100
0
−100
−200
−300
−400
pull1D
Entries 54
Mean −2.728
Std Dev 2.894
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

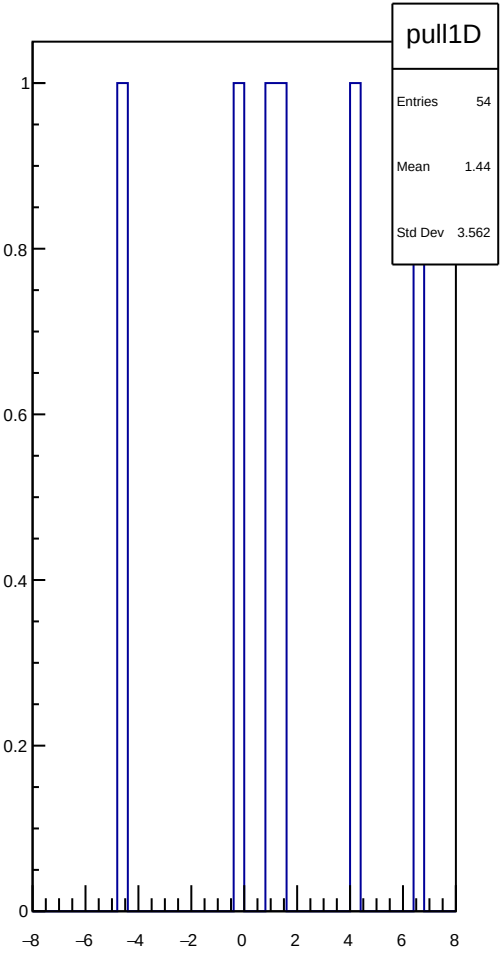

yield_bpm4acY_rms vs run
χ² / ndf 5.897e+04 / 53
p0 0.01638 ± 1.66e−05
0.07
0.06
0.05
0.04
0.03
0.02
0.01
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

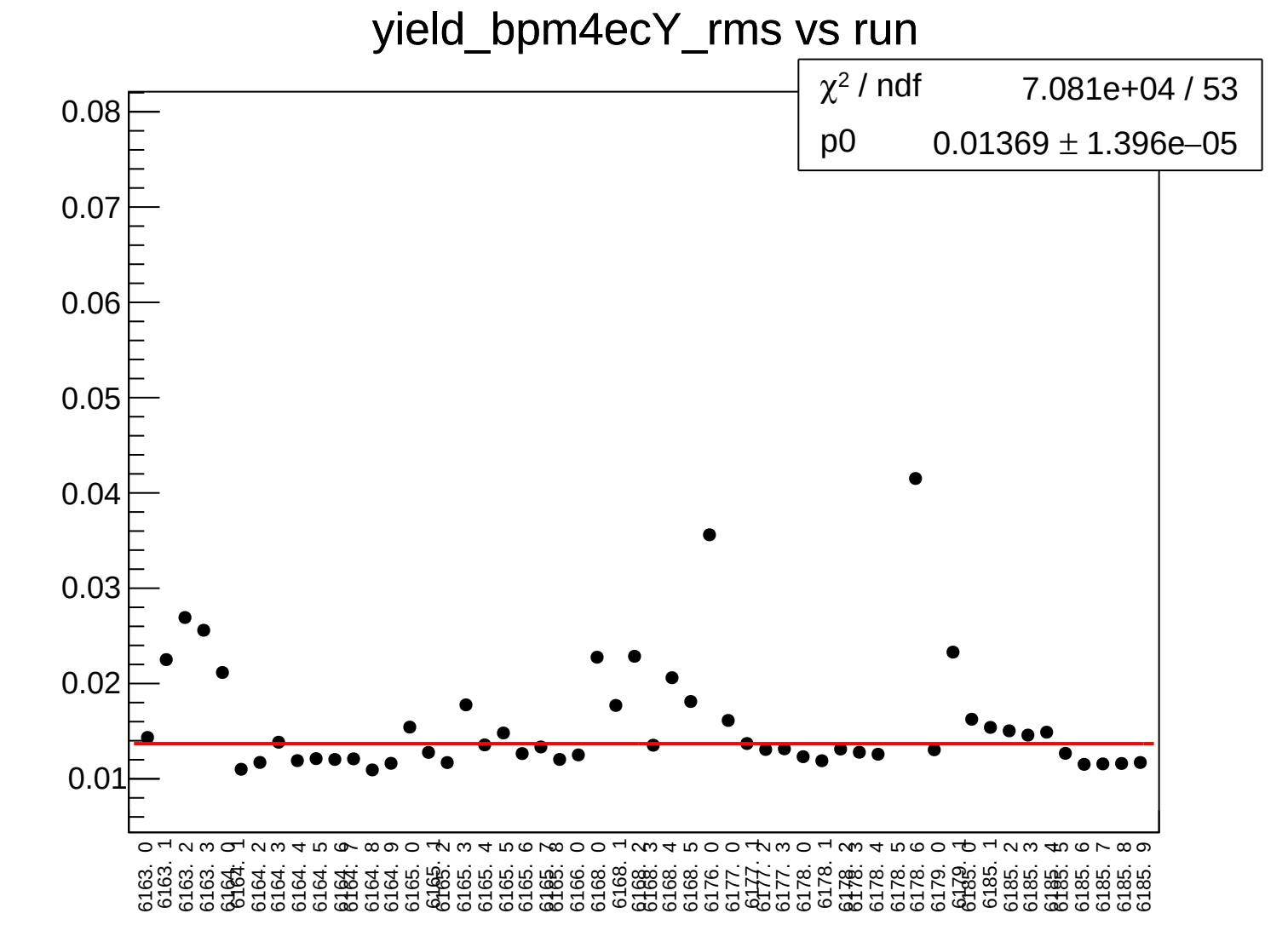

yield_bpm4ecX_mean vs run
χ² / ndf 2.286e+05 / 53
p0 −0.06814 ± 3.049e−05
pull
Entries 54
Mean 19.74
Std Dev 8.479

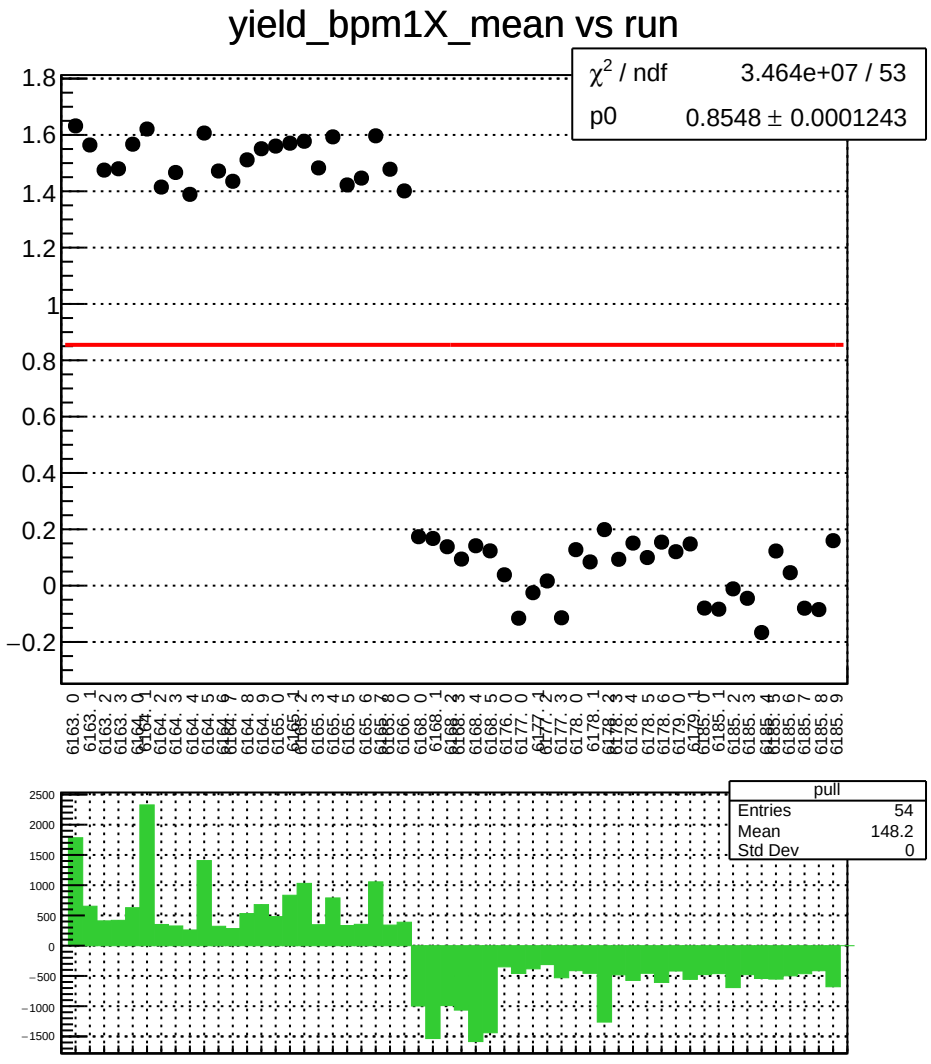

pull1D
Entries 54
Mean −0.3088
Std Dev 5.154

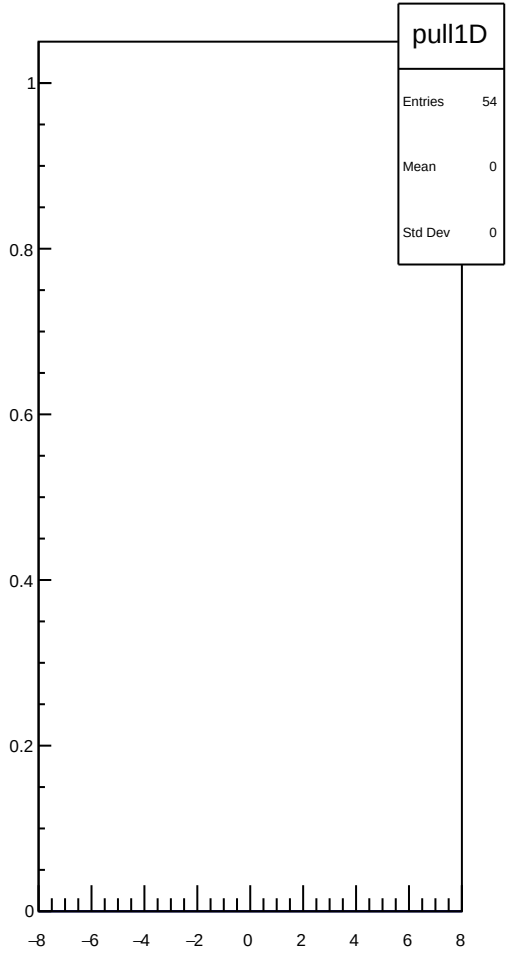

yield_bpm4ecX_rms vs run
χ² / ndf 1.519e+05 / 53
p0 0.02024 ± 2.156e−05
0.07
0.06
0.05
0.04
0.03
0.02
0.01
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

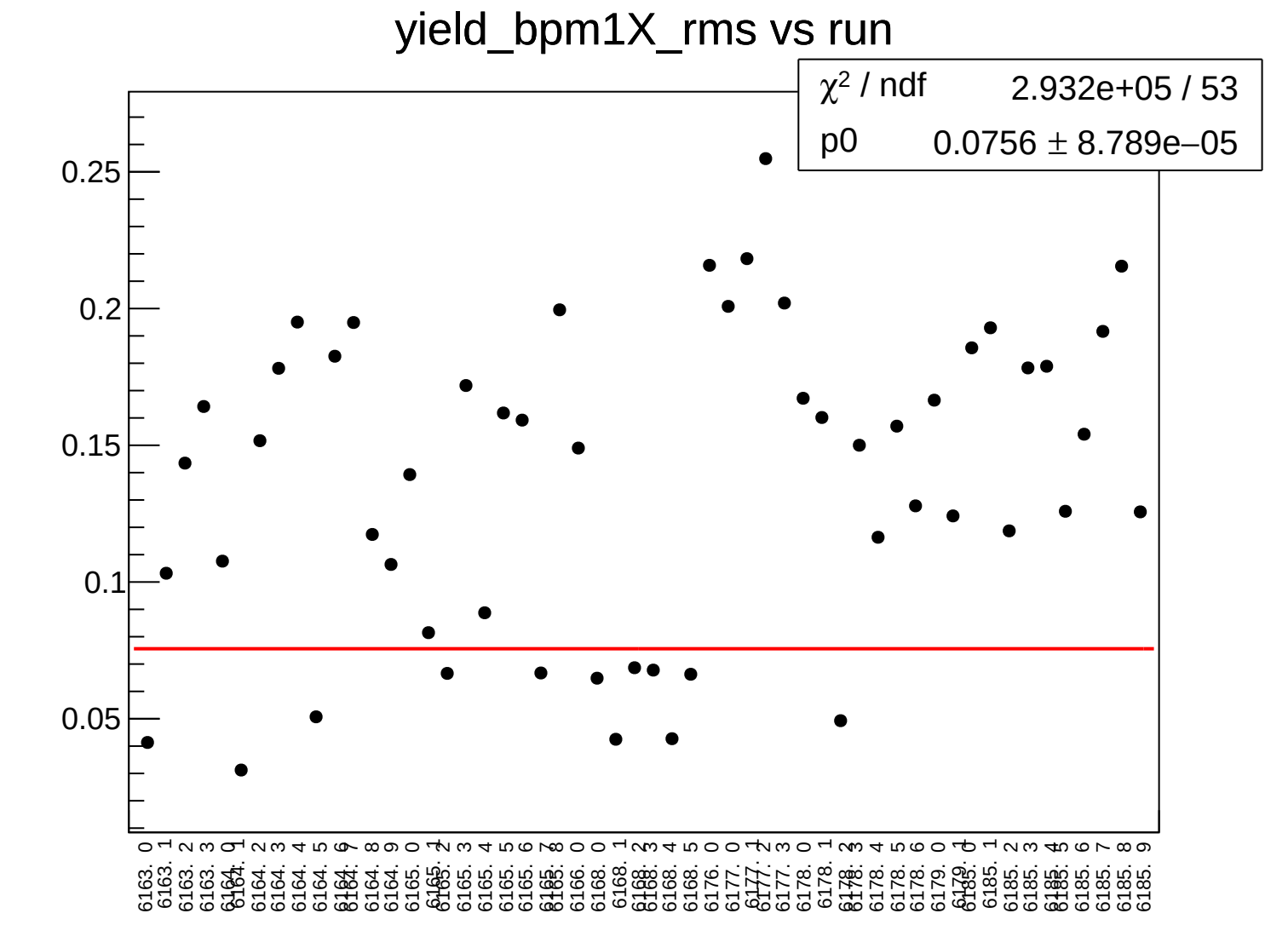

yield_bpm4ecY_mean vs run
χ² / ndf 5.585e+05 / 53
p0 0.04069 ± 1.974e−05
pull
Entries 54
Mean −6419
Std Dev 0

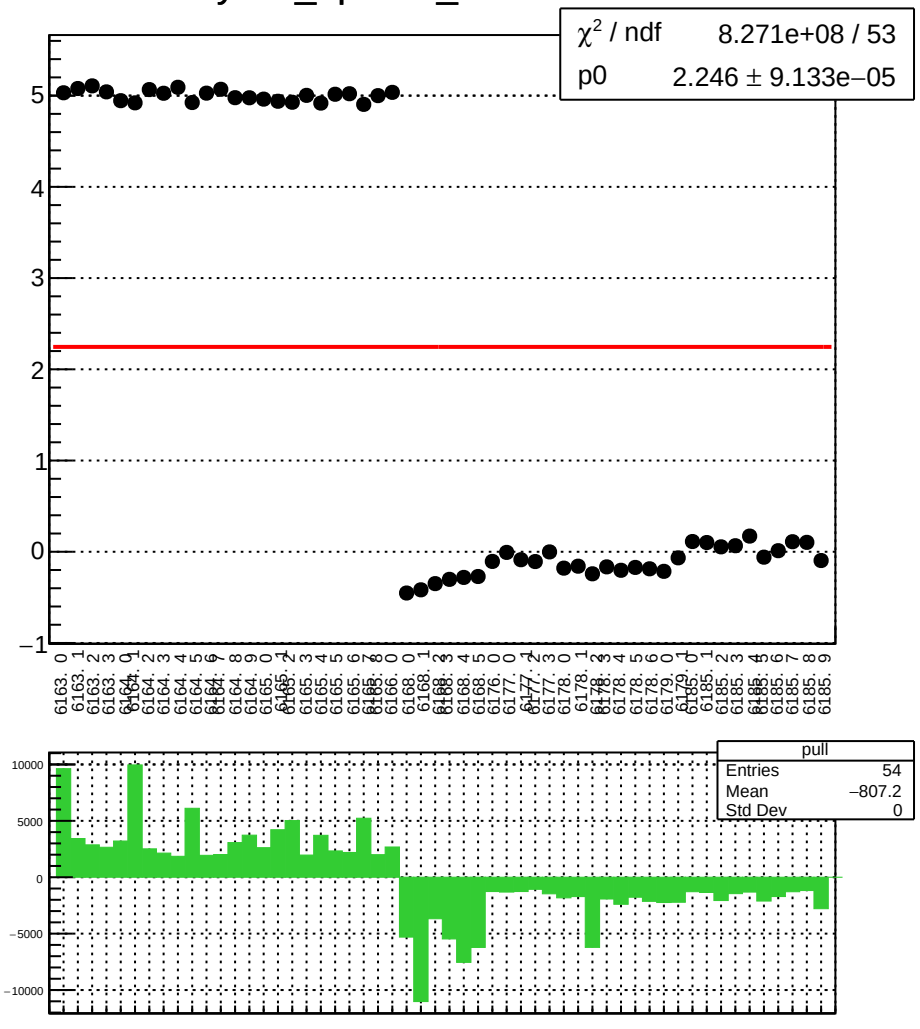

pull1D
Entries 54
Mean 1.44
Std Dev 3.562

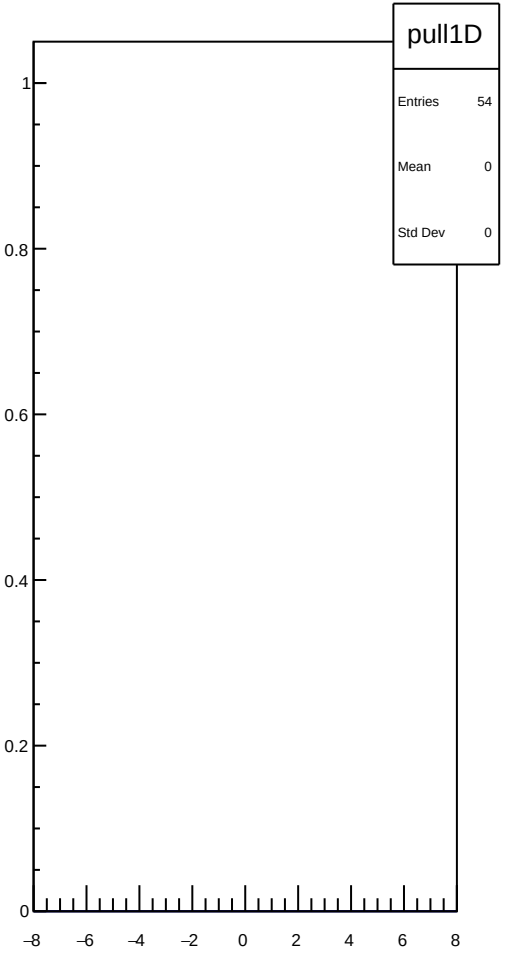

yield_bpm4ecY_rms vs run
χ² / ndf 7.081e+04 / 53
p0 0.01369 ± 1.396e–05
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

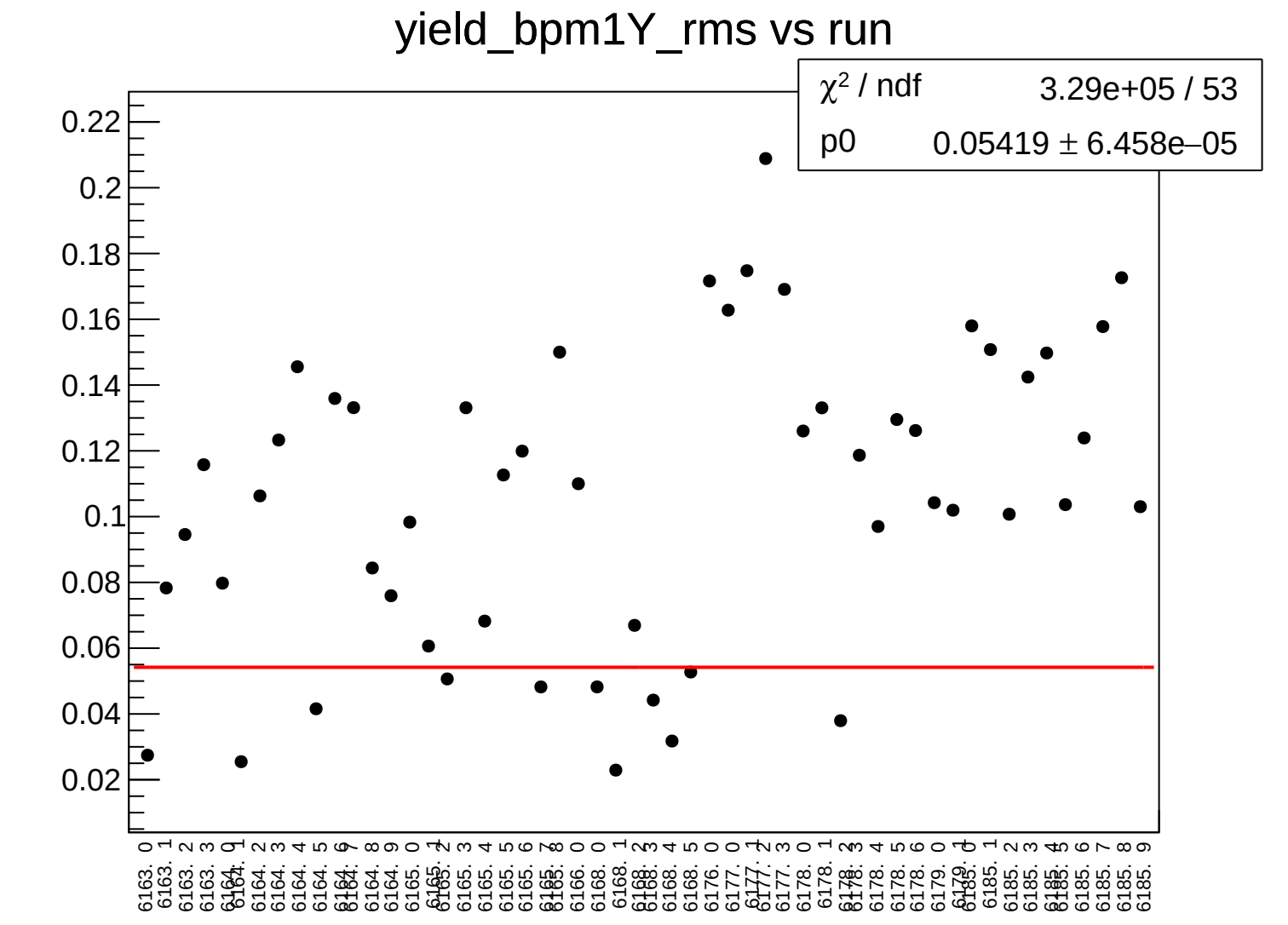

yield_bpm1X_mean vs run
χ² / ndf 3.464e+07 / 53
p0 0.8548 ± 0.0001243
pull
Entries 54
Mean 148.2
Std Dev 0

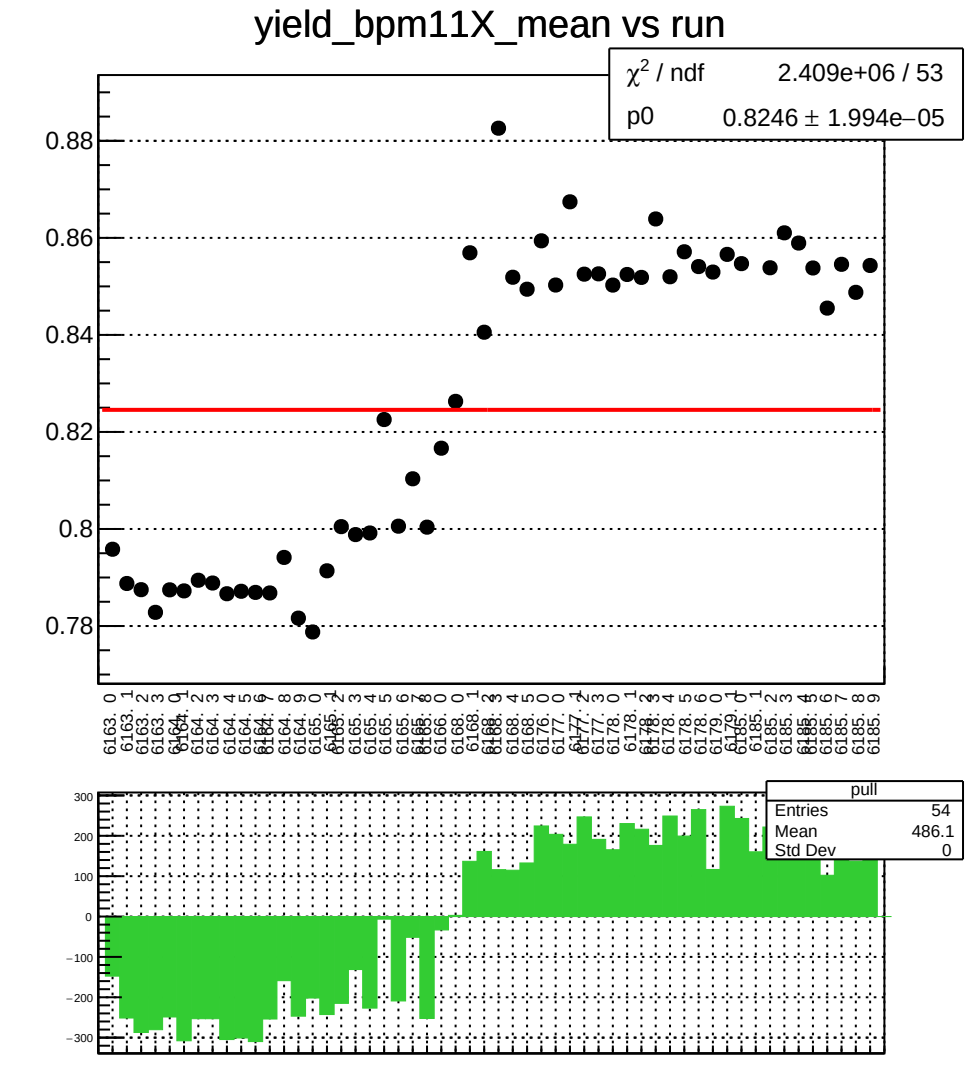

pull1D
Entries 54
Mean 0
Std Dev 0

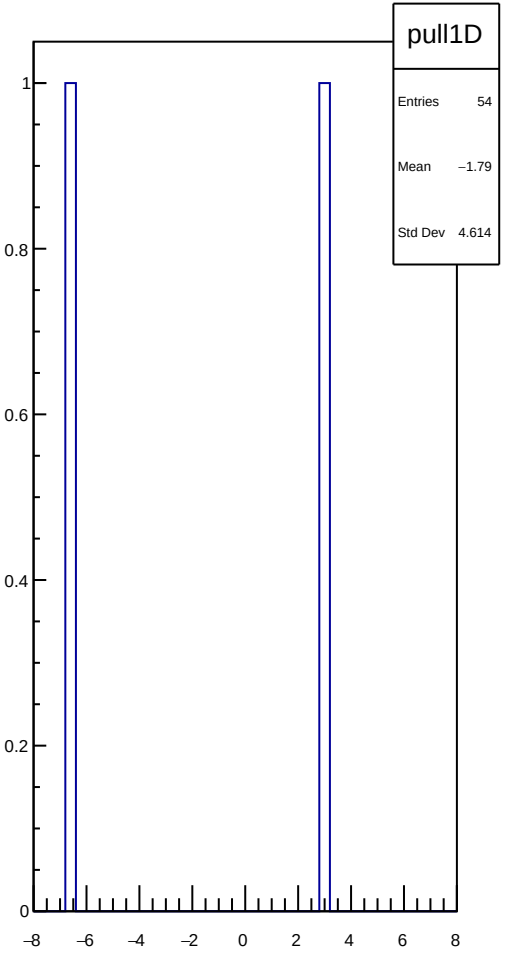

yield_bpm1X_rms vs run
χ² / ndf 2.932e+05 / 53
p0 0.0756 ± 8.789e−05
0.25
0.2
0.15
0.1
0.05
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

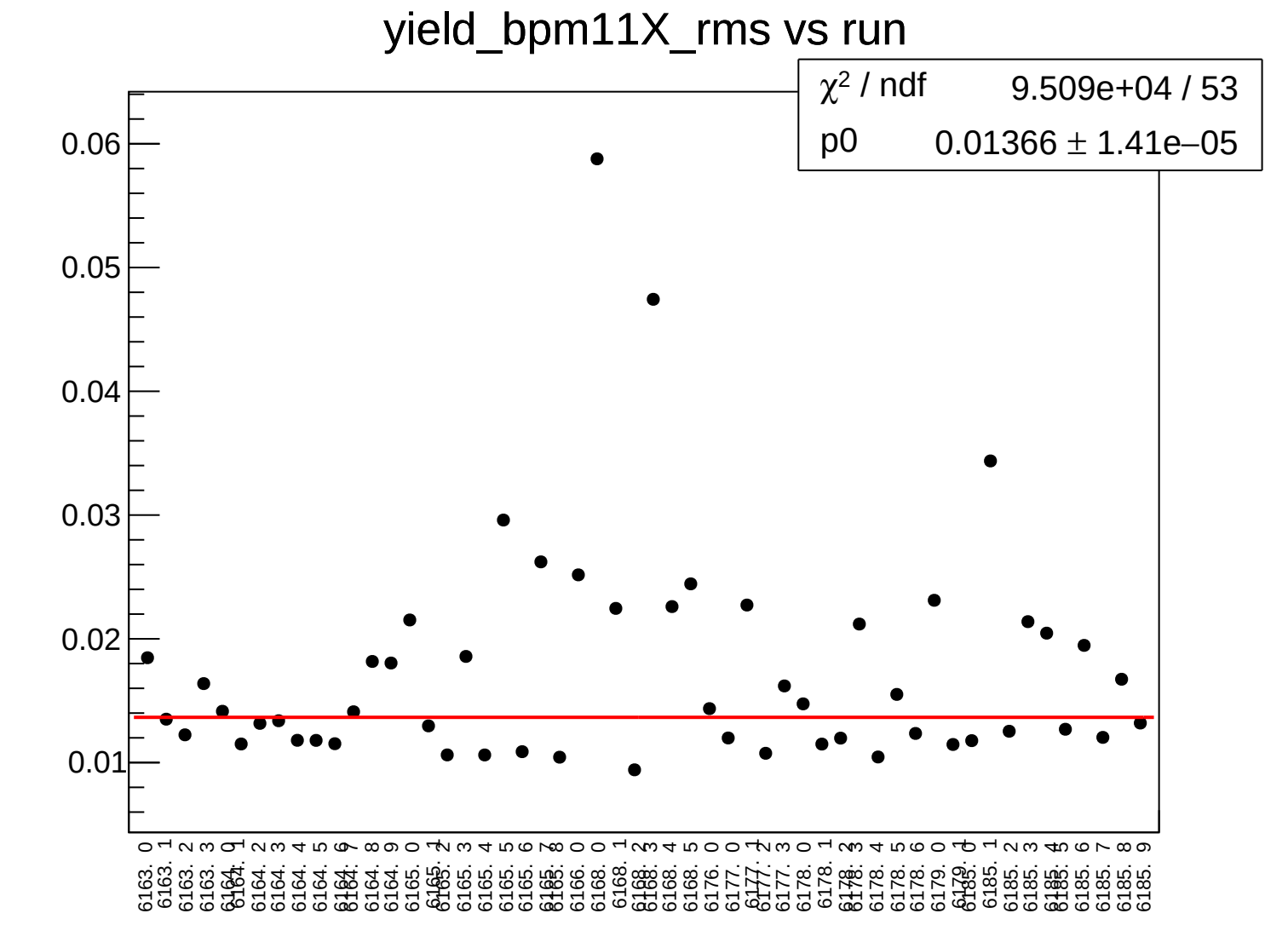

yield_bpm1Y_mean vs run
χ² / ndf 8.271e+08 / 53
p0 2.246 ± 9.133e−05
pull
Entries 54
Mean −807.2
Std Dev 0

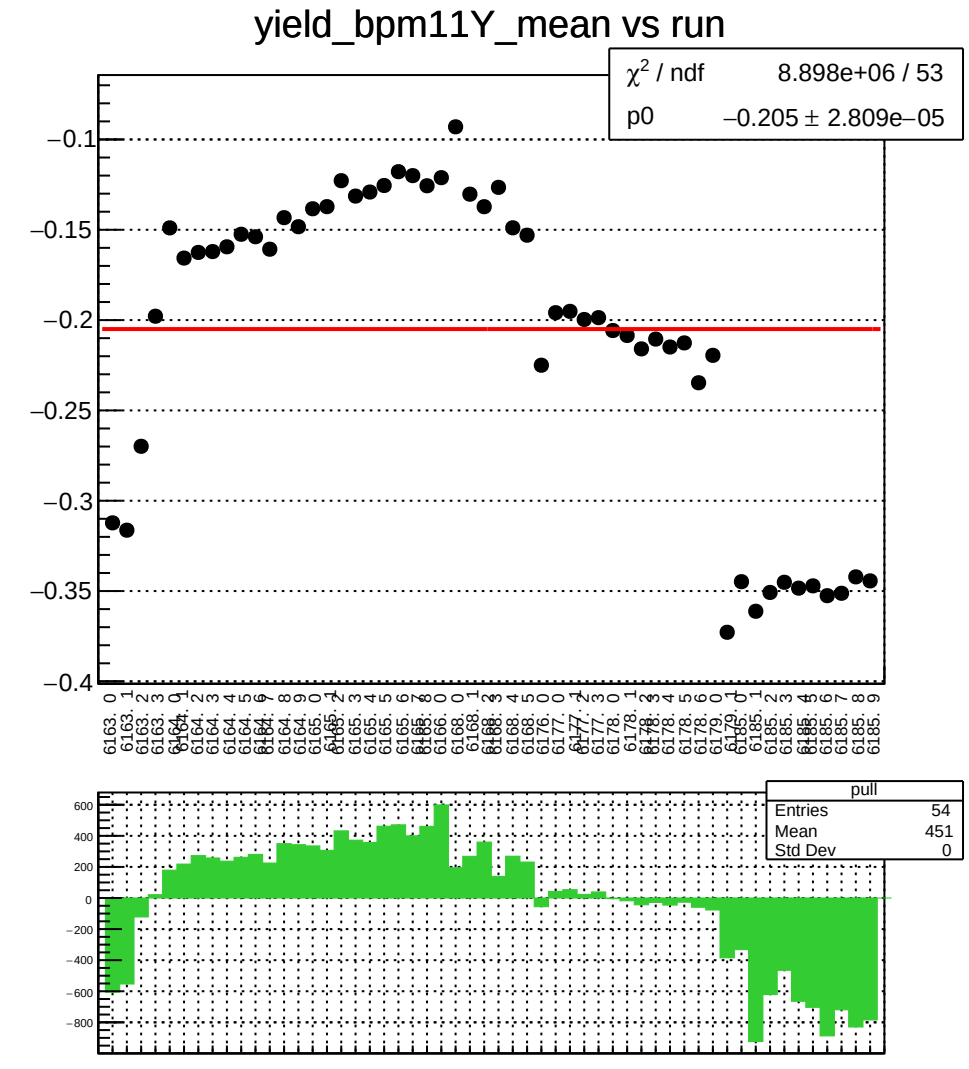

pull1D
Entries 54
Mean 0
Std Dev 0

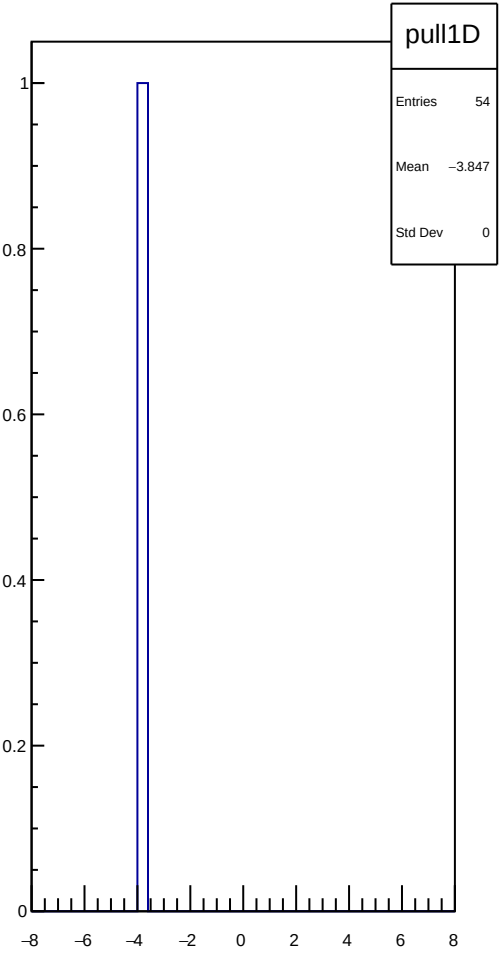

yield_bpm1Y_rms vs run
χ² / ndf 3.29e+05 / 53
p0 0.05419 ± 6.458e−05
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

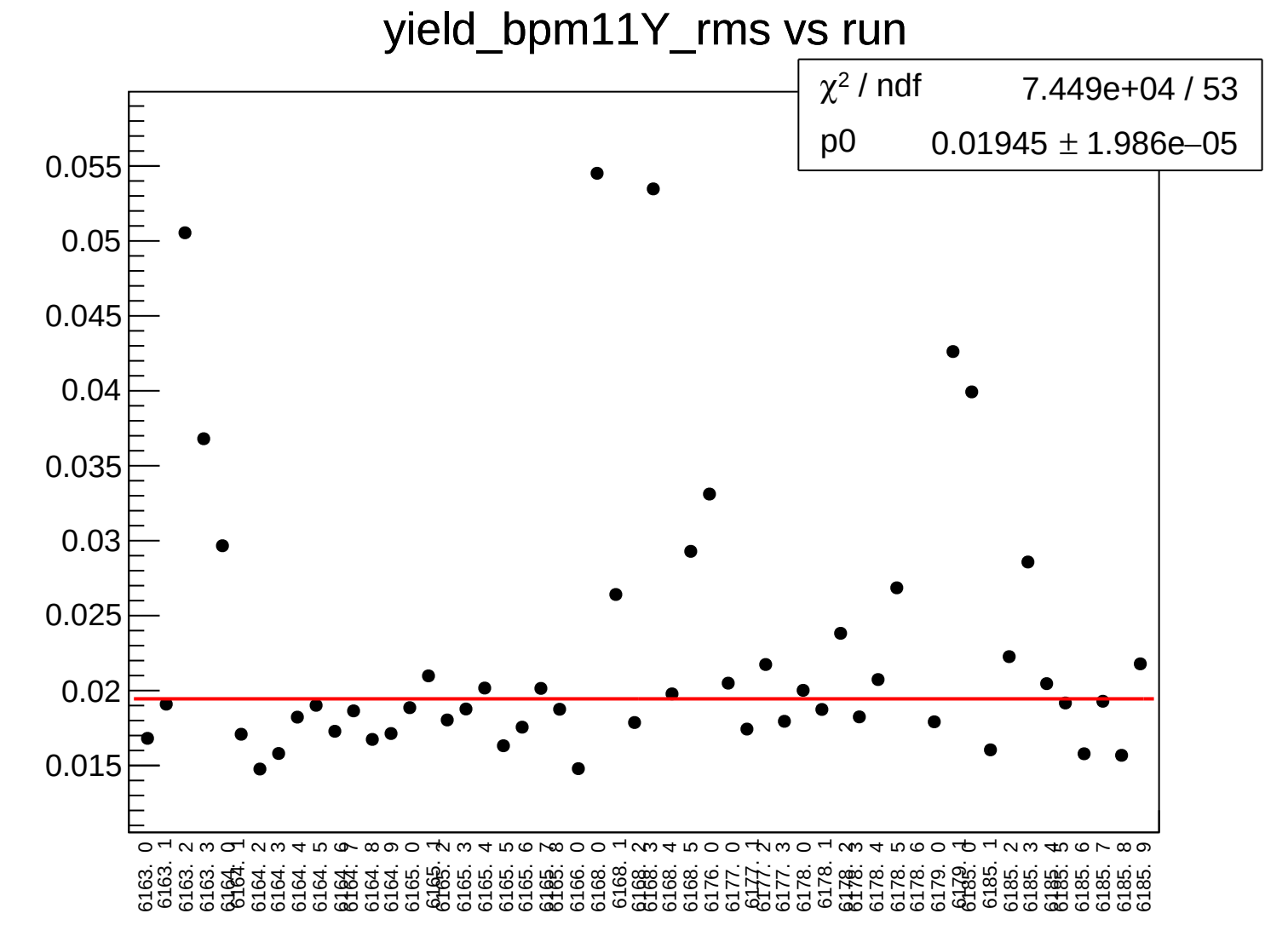

yield_bpm11X_mean vs run
χ² / ndf 2.409e+06 / 53
p0 0.8246 ± 1.994e−05
0.88
0.86
0.84
0.82
0.8
0.78
pull
Entries 54
Mean 486.1
Std Dev 0
300
200
100
0
−100
−200
−300

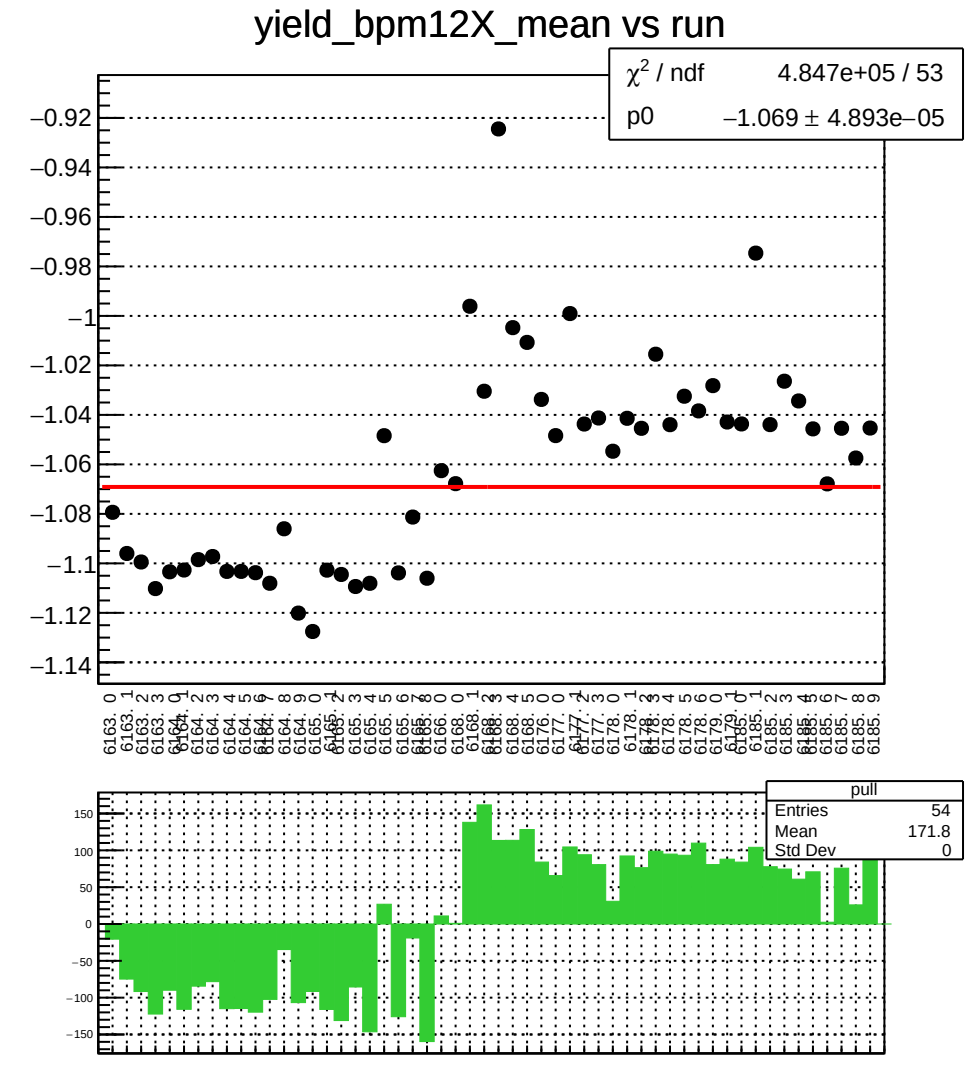

pull1D
Entries 54
Mean −1.79
Std Dev 4.614
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

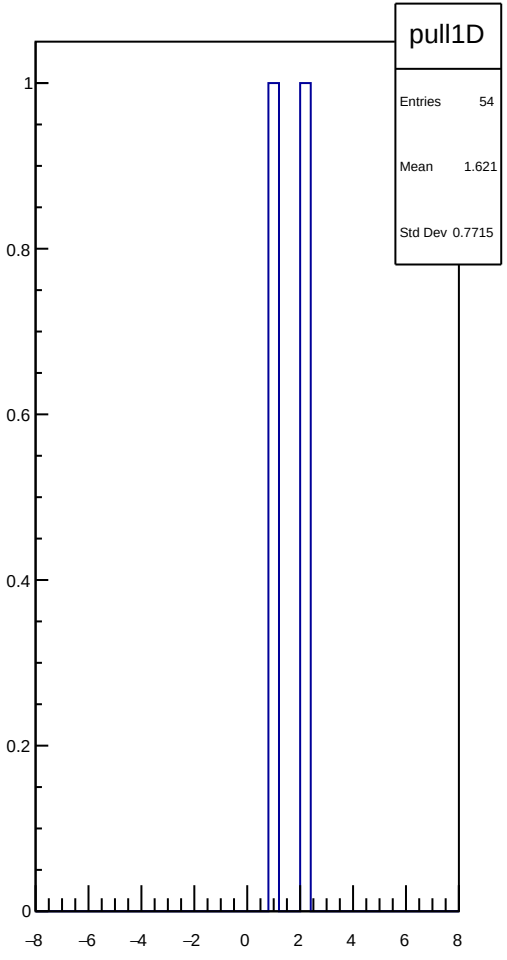

yield_bpm11X_rms vs run
χ² / ndf 9.509e+04 / 53
p0 0.01366 ± 1.41e−05
0.06
0.05
0.04
0.03
0.02
0.01
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

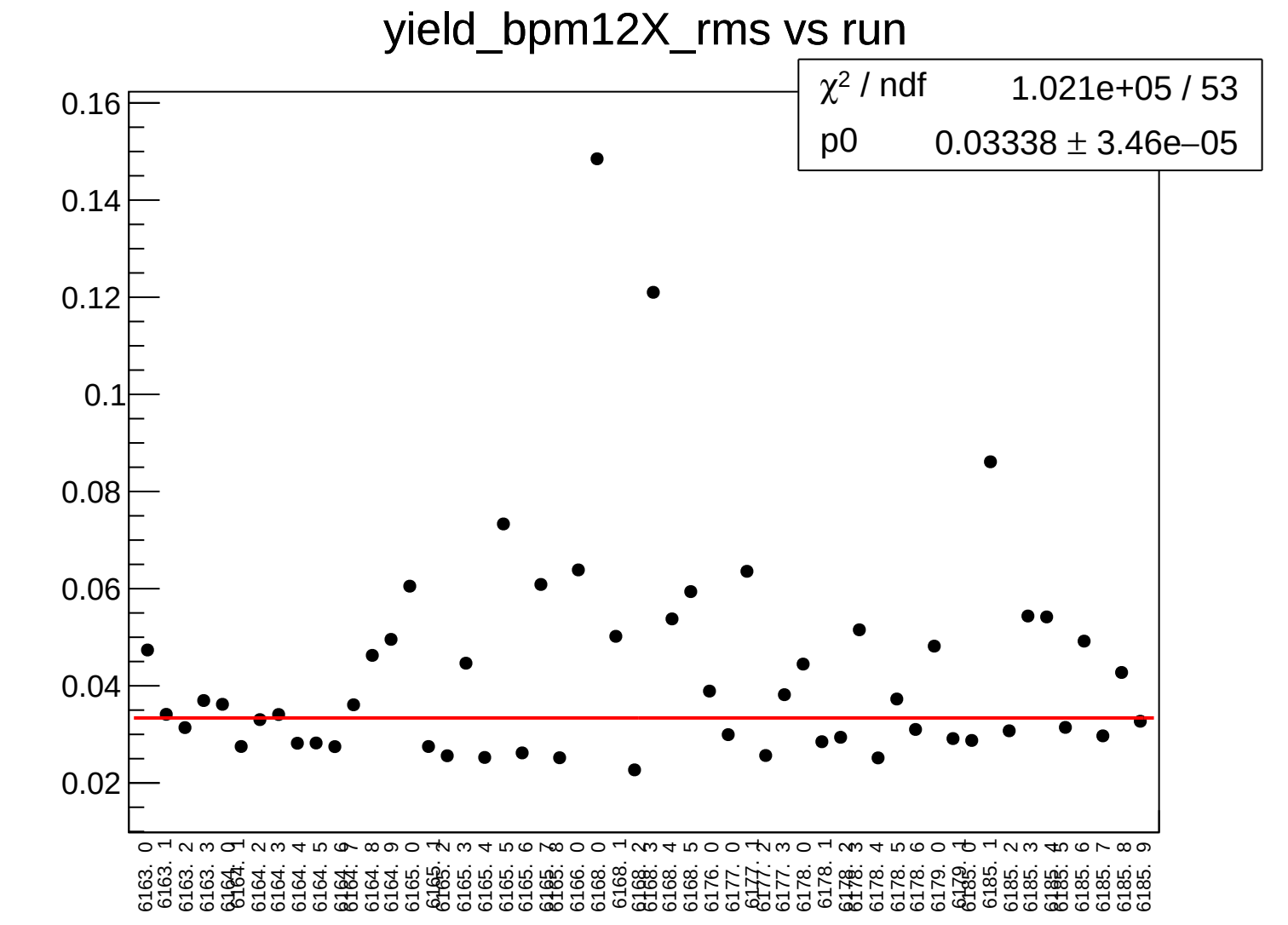

yield_bpm11Y_mean vs run
χ² / ndf 8.898e+06 / 53
p0 −0.205 ± 2.809e−05
pull
Entries 54
Mean 451
Std Dev 0

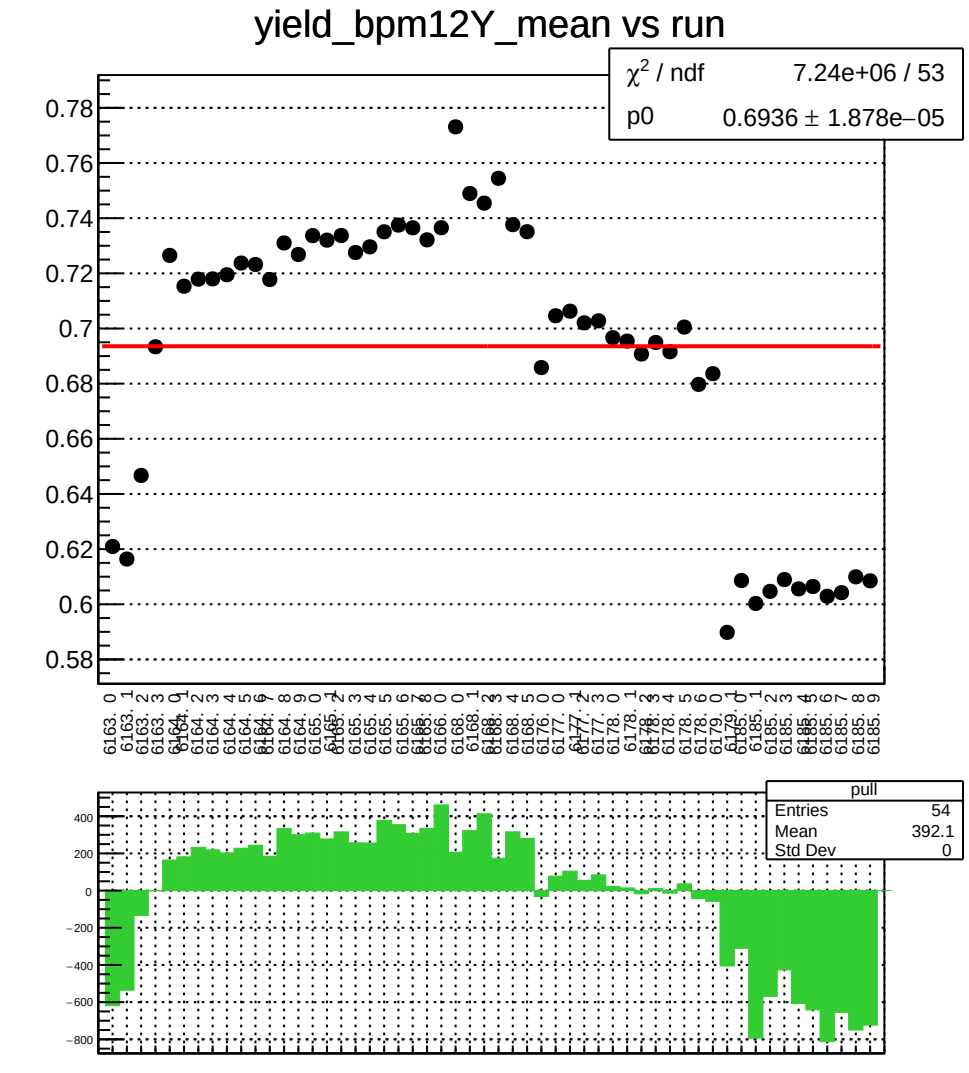

pull1D
Entries 54
Mean −3.847
Std Dev 0

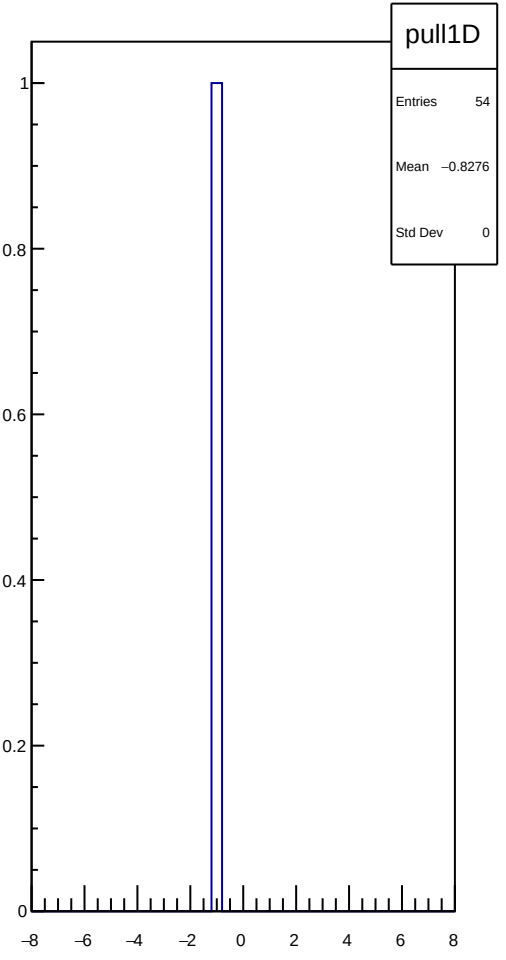

yield_bpm11Y_rms vs run
χ² / ndf 7.449e+04 / 53
p0 0.01945 ± 1.986e−05
0.055
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

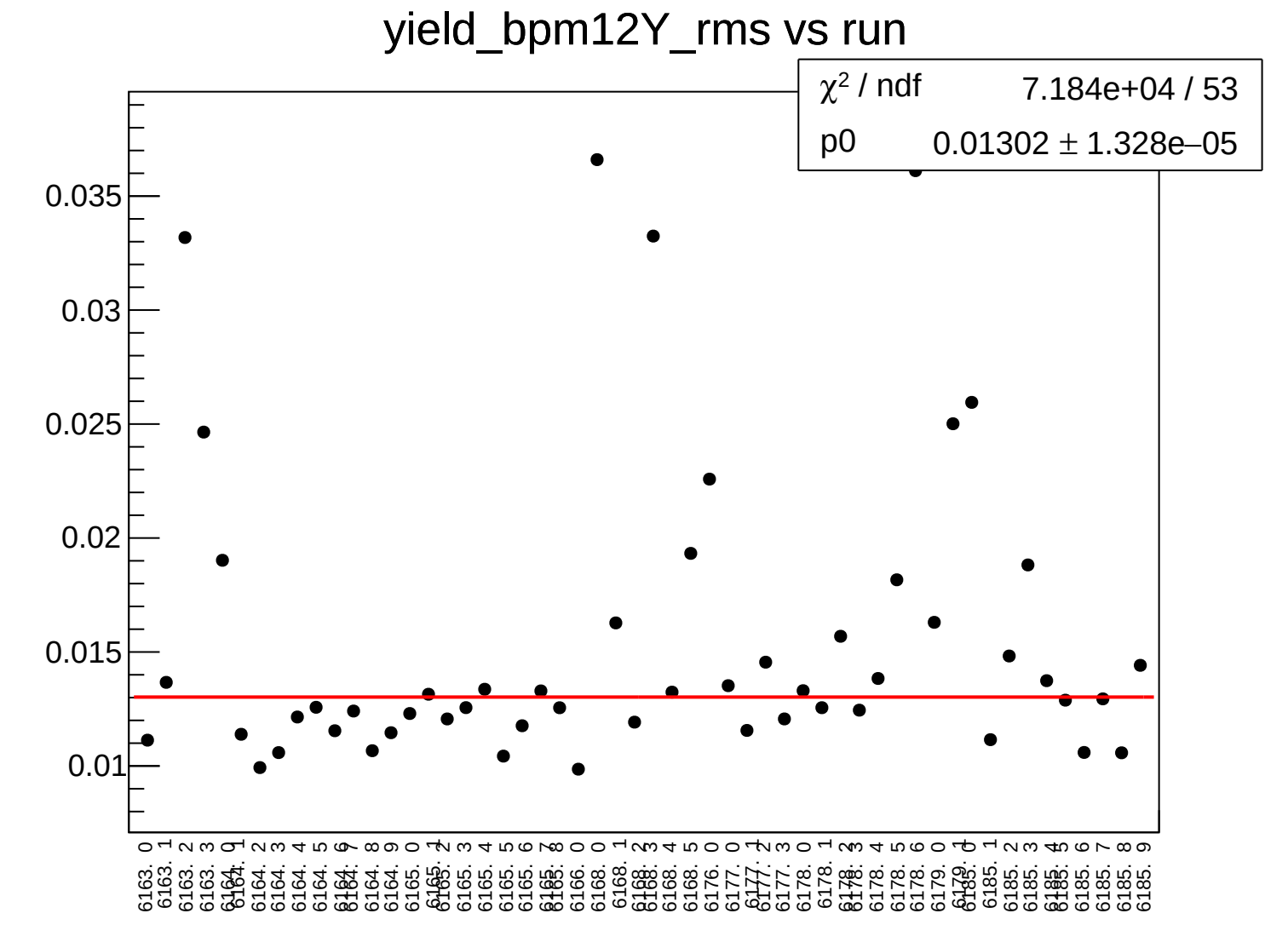

yield_bpm12X_mean vs run
χ² / ndf 4.847e+05 / 53
p0 −1.069 ± 4.893e−05
pull
Entries 54
Mean 171.8
Std Dev 0

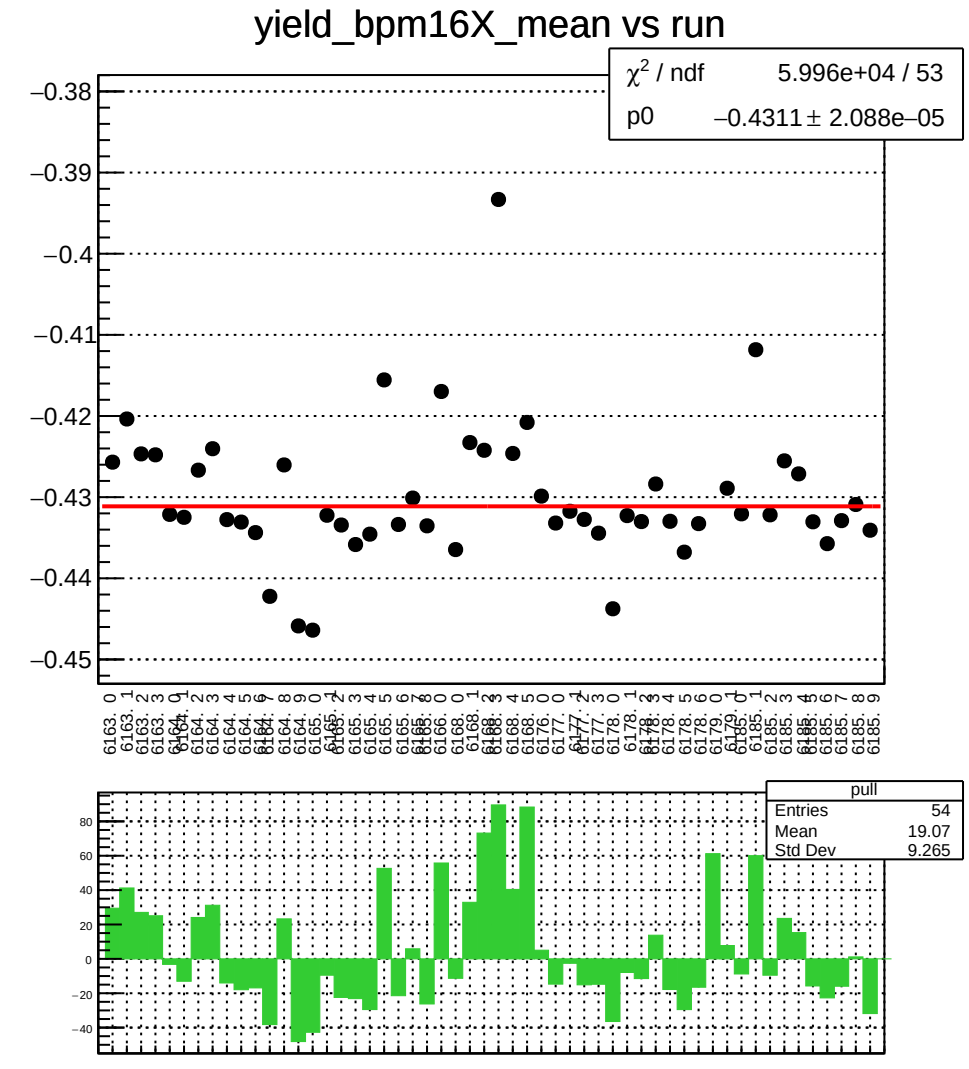

pull1D
Entries 54
Mean 1.621
Std Dev 0.7715

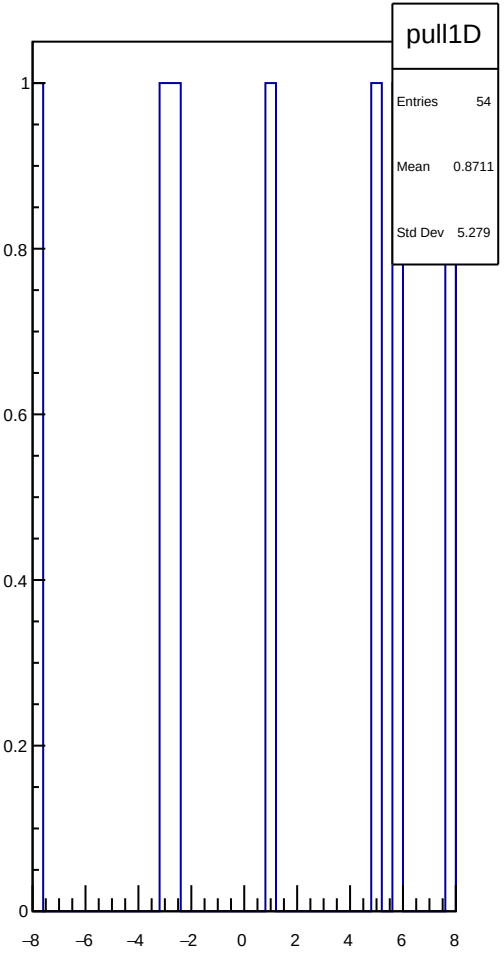

yield_bpm12X_rms vs run
χ² / ndf 1.021e+05 / 53
p0 0.03338 ± 3.46e−05
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

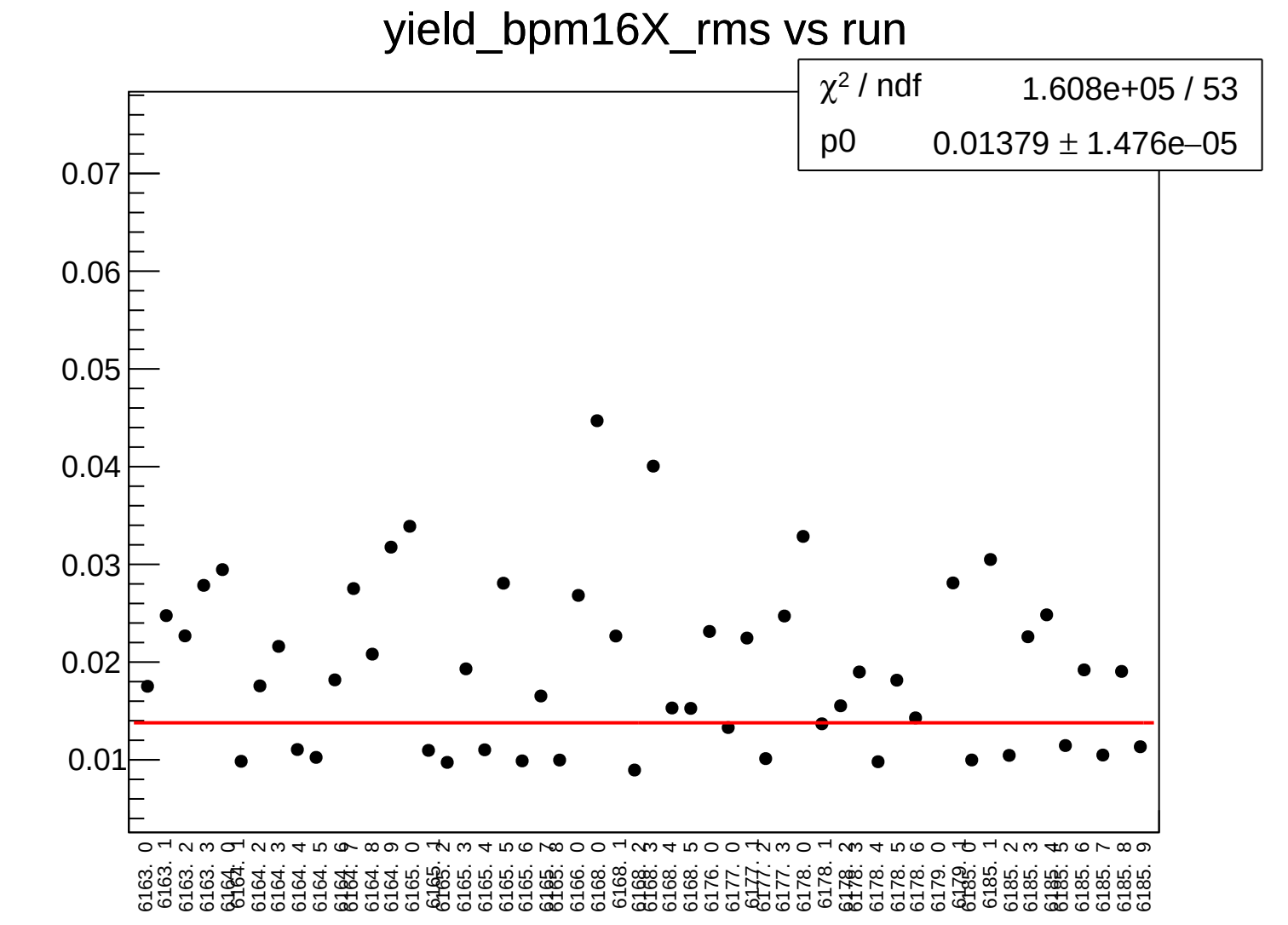

yield_bpm12Y_mean vs run
χ² / ndf 7.24e+06 / 53
p0 0.6936 ± 1.878e−05
pull
Entries 54
Mean 392.1
Std Dev 0

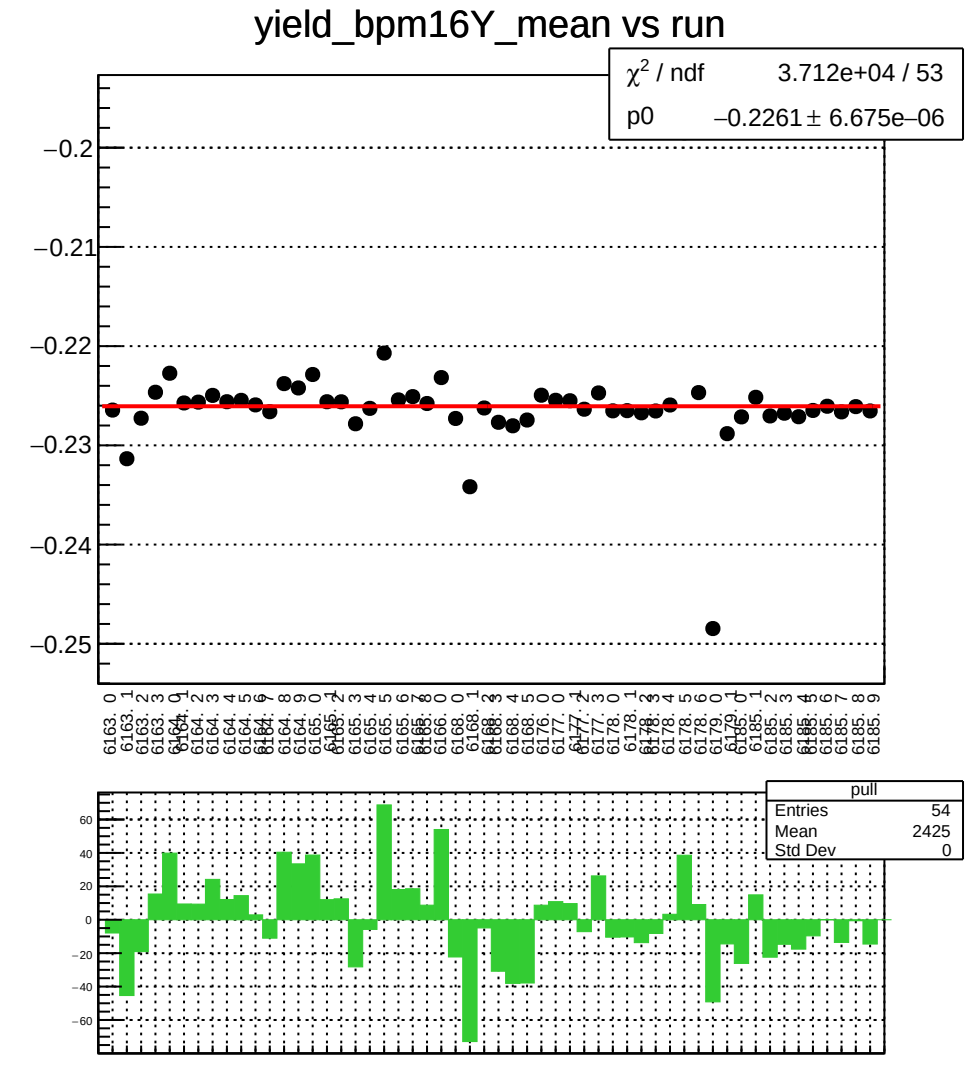

pull1D
Entries 54
Mean −0.8276
Std Dev 0

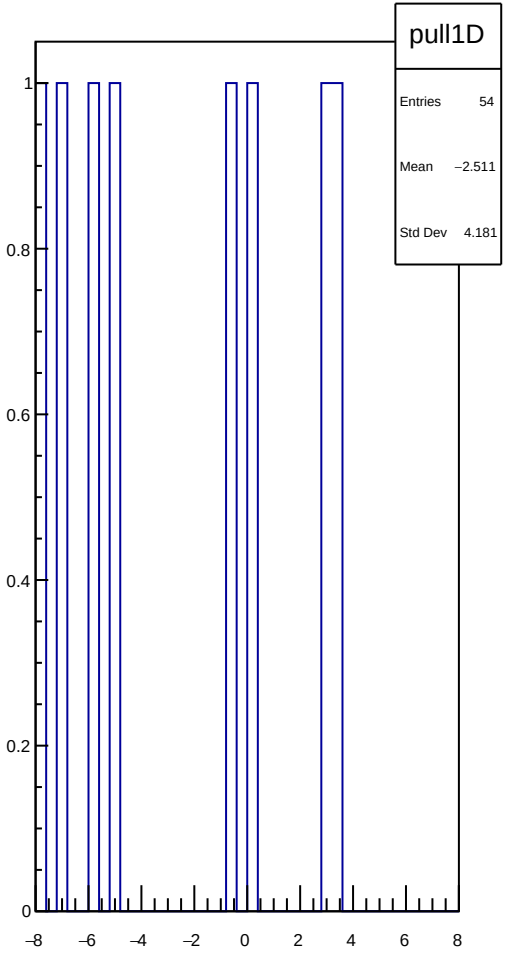

yield_bpm12Y_rms vs run
χ² / ndf 7.184e+04 / 53
p0 0.01302 ± 1.328e−05
0.035
0.03
0.025
0.02
0.015
0.01
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

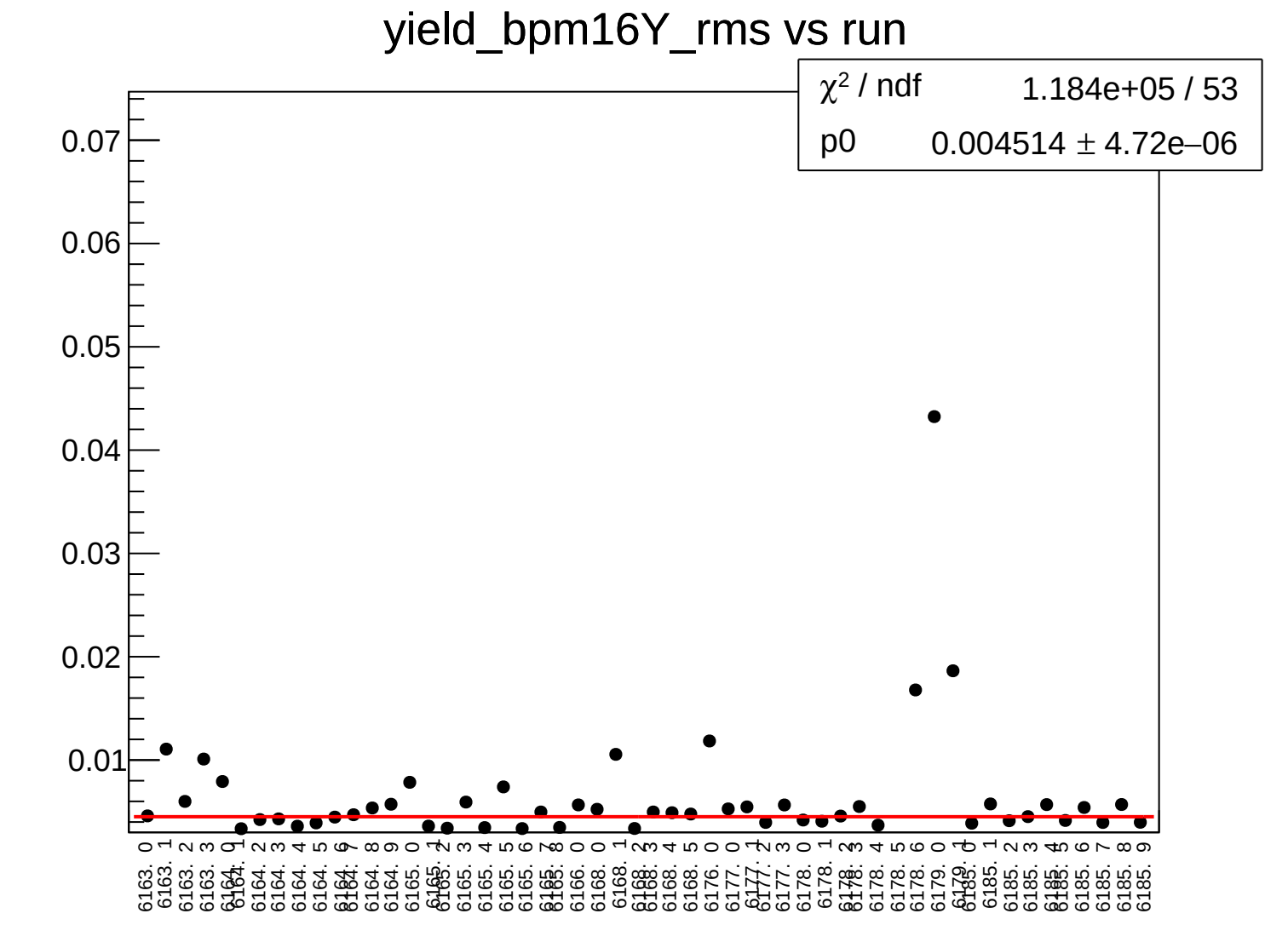

yield_bpm16X_mean vs run
χ² / ndf 5.996e+04 / 53
p0 −0.4311 ± 2.088e−05
pull
Entries 54
Mean 19.07
Std Dev 9.265

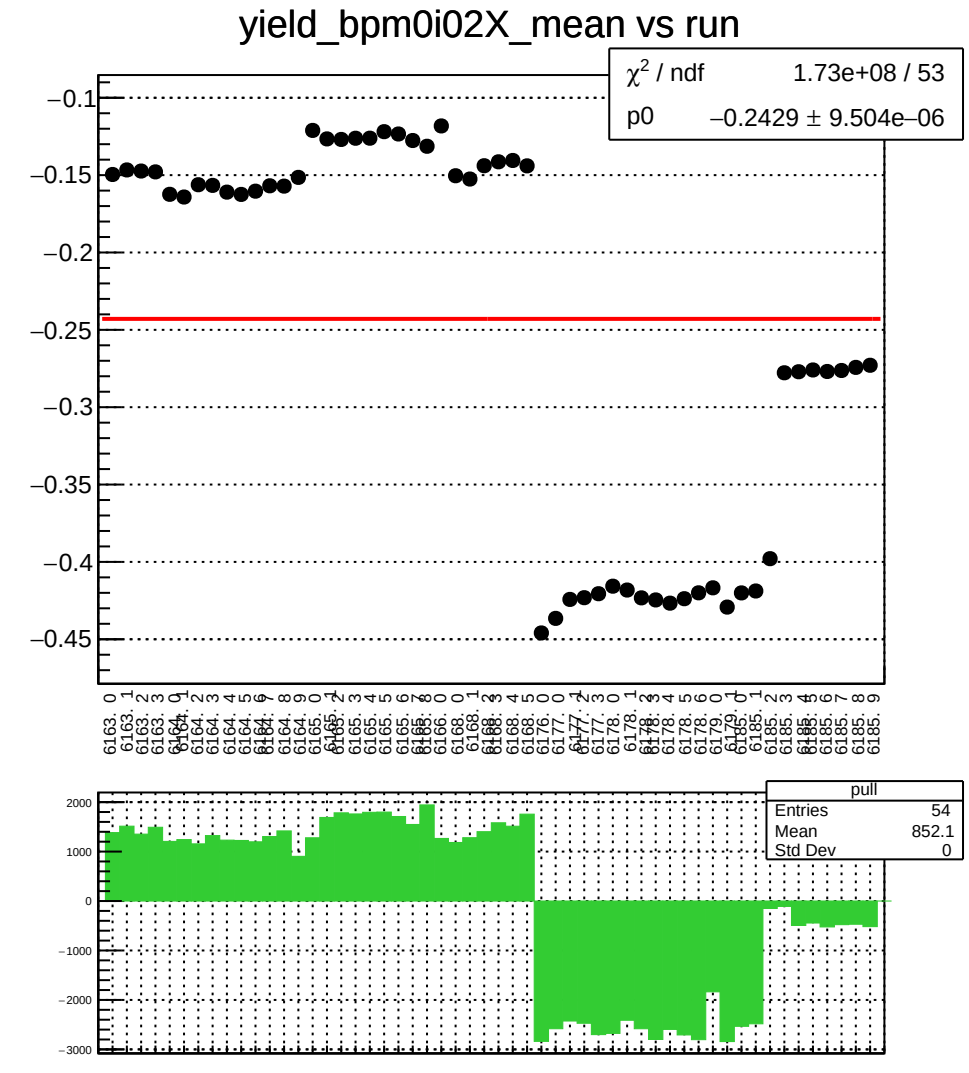

pull1D
Entries 54
Mean 0.8711
Std Dev 5.279

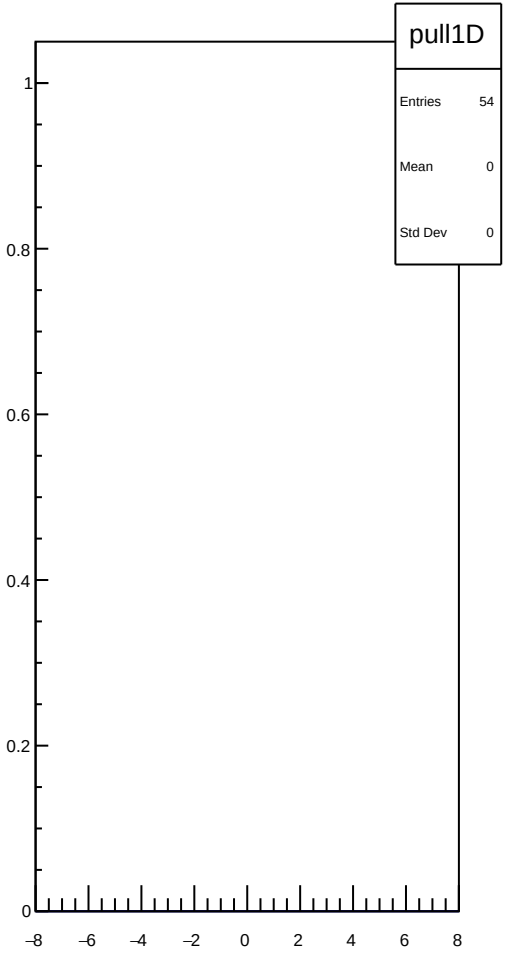

yield_bpm16X_rms vs run
χ² / ndf 1.608e+05 / 53
p0 0.01379 ± 1.476e−05
0.07
0.06
0.05
0.04
0.03
0.02
0.01
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

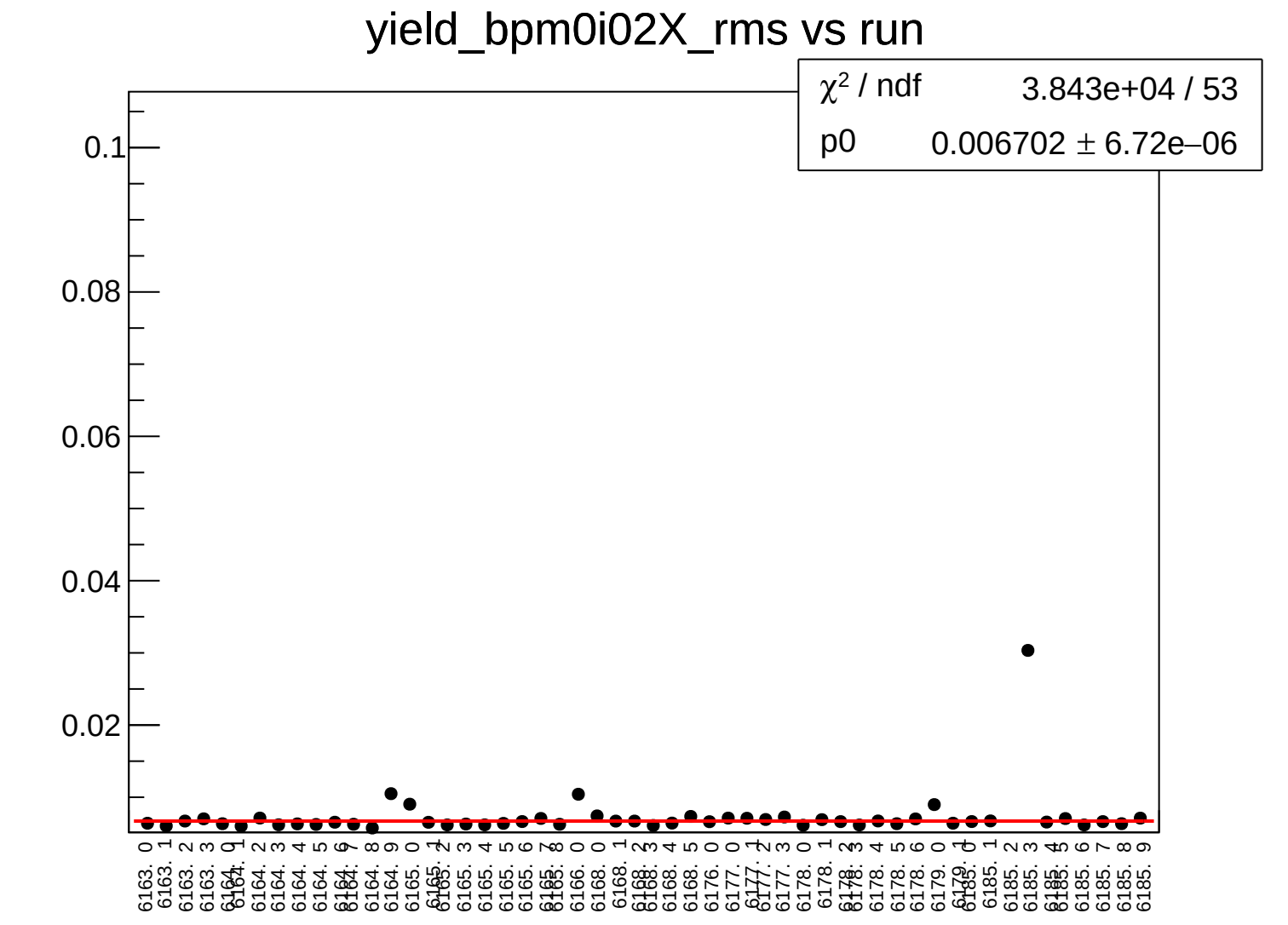

yield_bpm16Y_mean vs run
χ² / ndf 3.712e+04 / 53
p0 −0.2261 ± 6.675e−06
−0.2
−0.21
−0.22
−0.23
−0.24
−0.25
pull
Entries 54
Mean 2425
Std Dev 0
60
40
20
0
−20
−40
−60

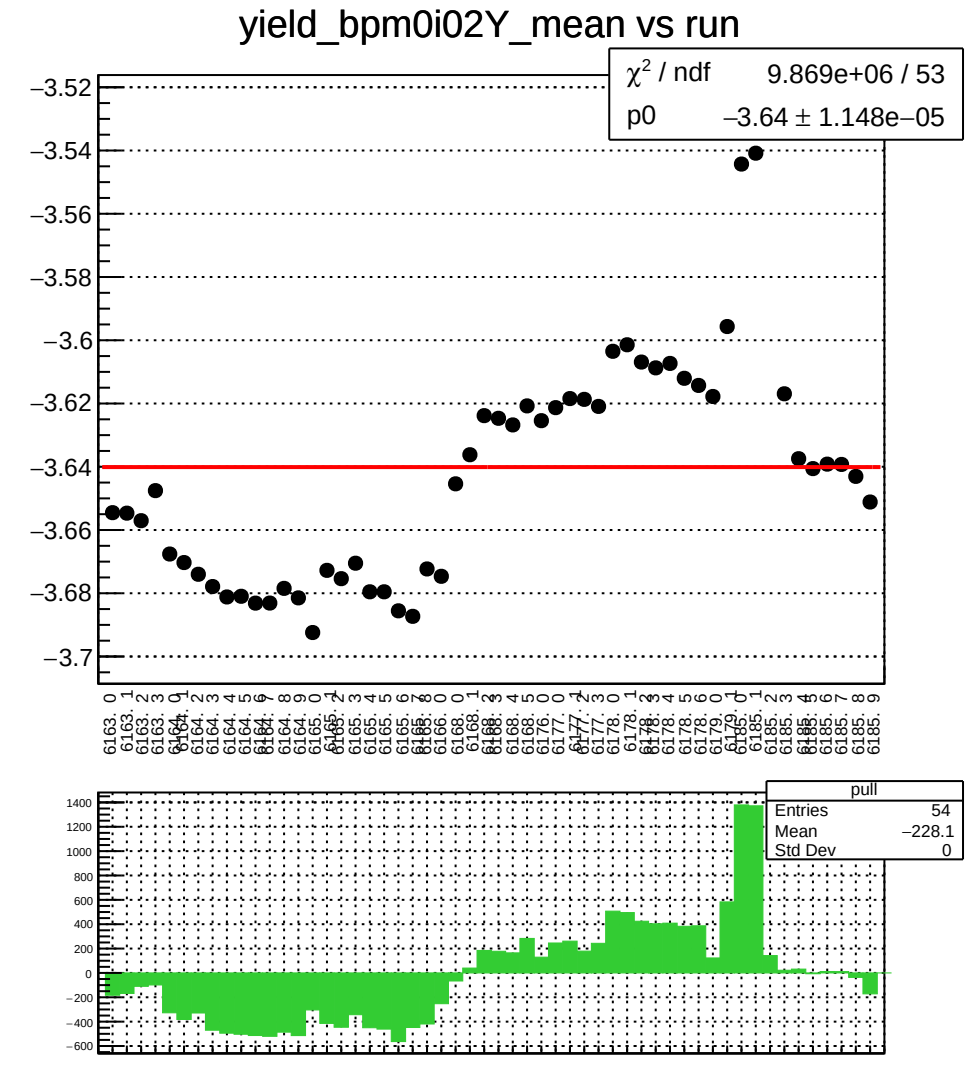

pull1D
Entries 54
Mean −2.511
Std Dev 4.181
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

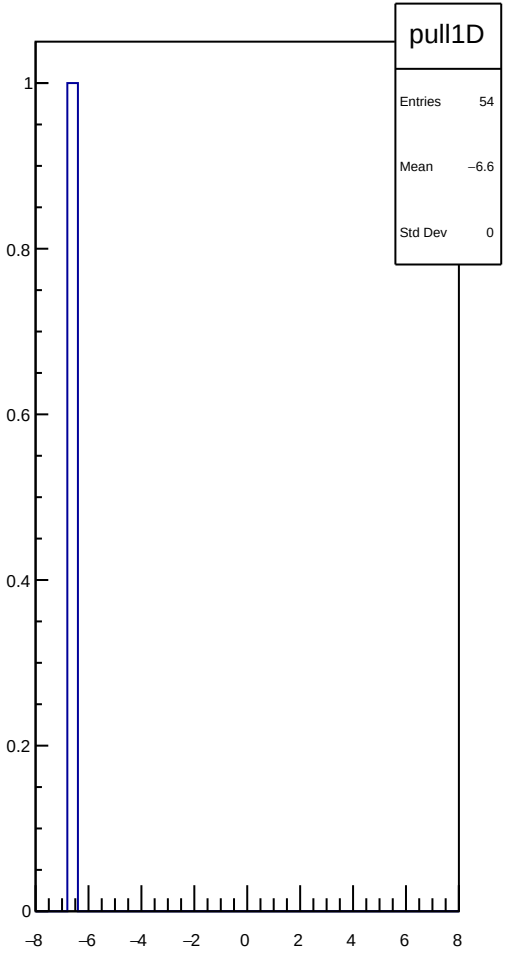

yield_bpm16Y_rms vs run
χ² / ndf 1.184e+05 / 53
p0 0.004514 ± 4.72e−06
0.07
0.06
0.05
0.04
0.03
0.02
0.01
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

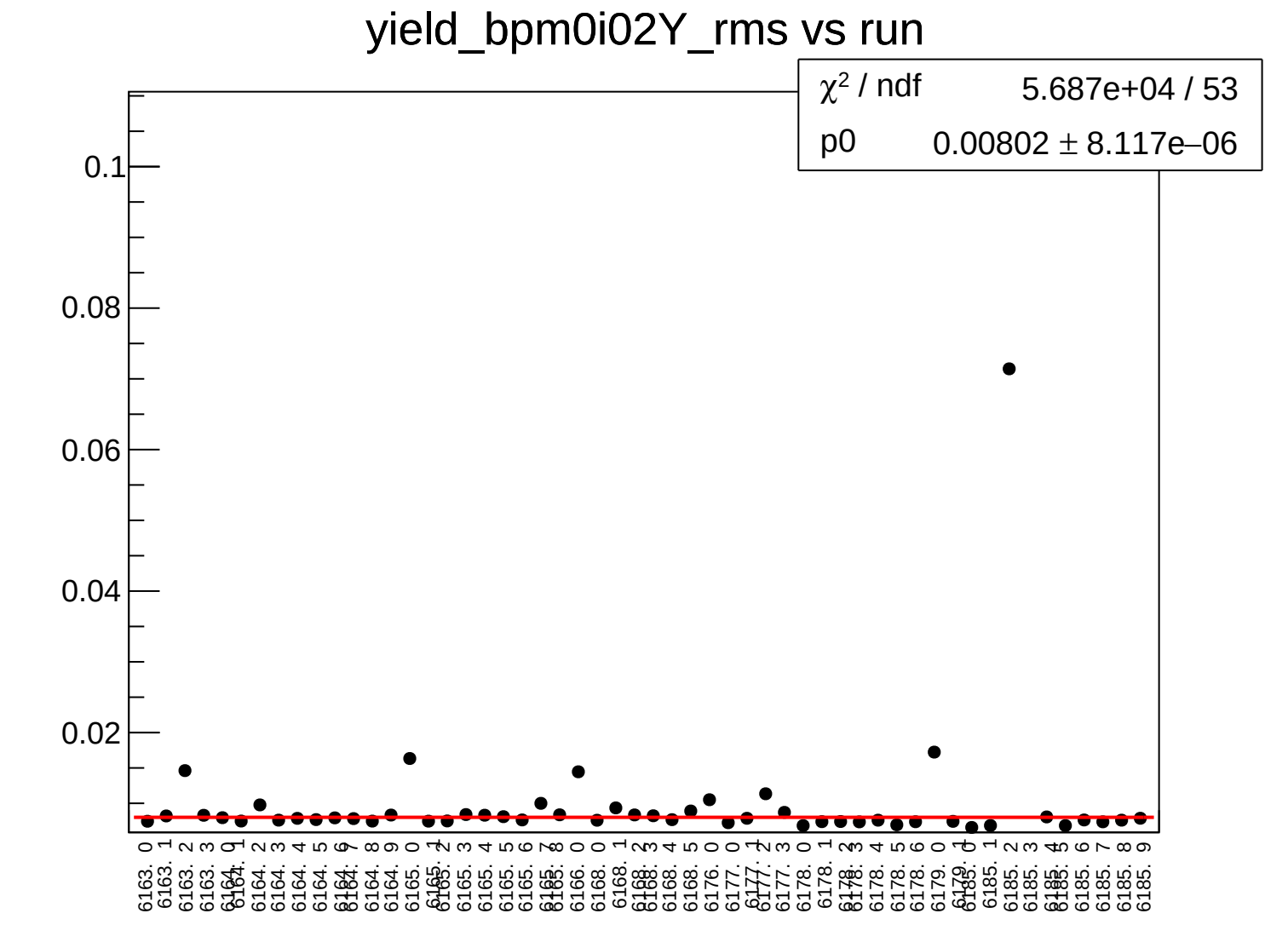

yield_bpm0i02X_mean vs run
χ² / ndf 1.73e+08 / 53
p0 −0.2429 ± 9.504e−06
pull
Entries 54
Mean 852.1
Std Dev 0

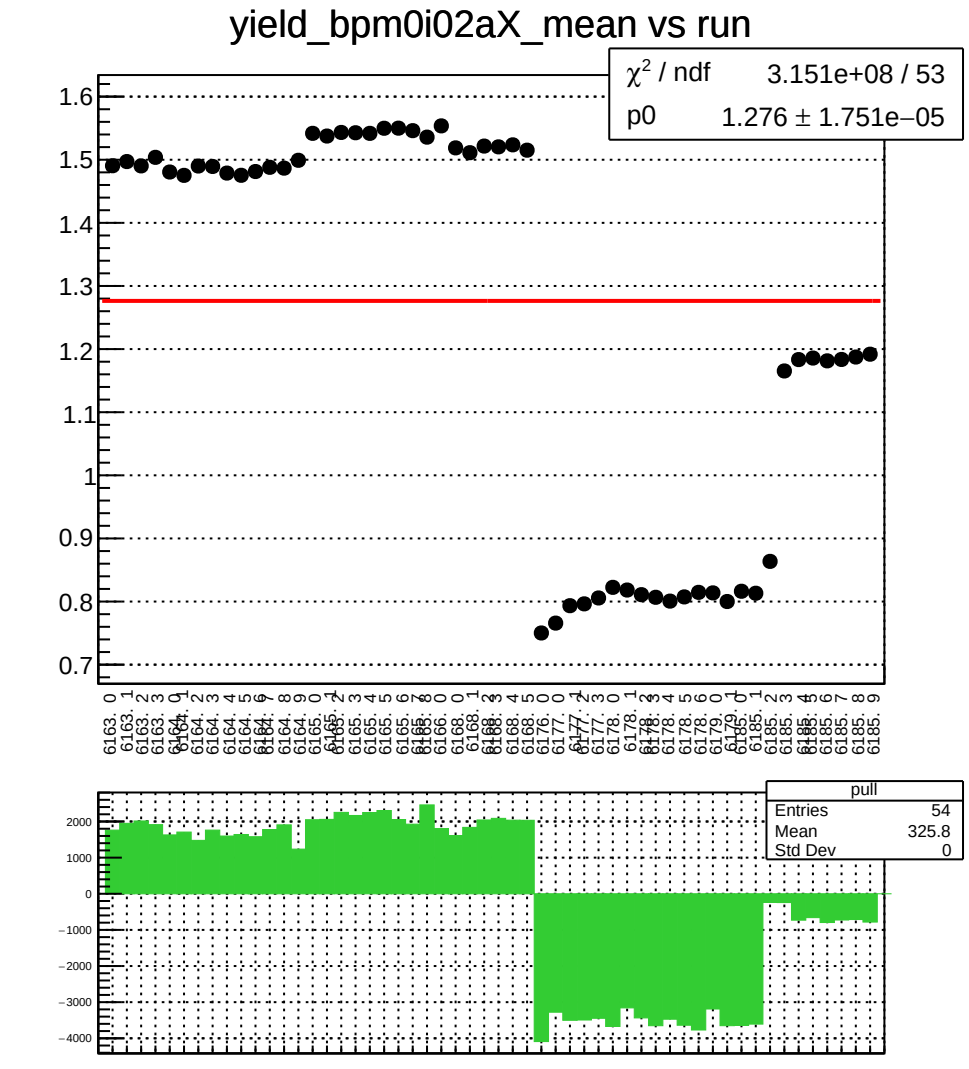

pull1D
Entries 54
Mean 0
Std Dev 0

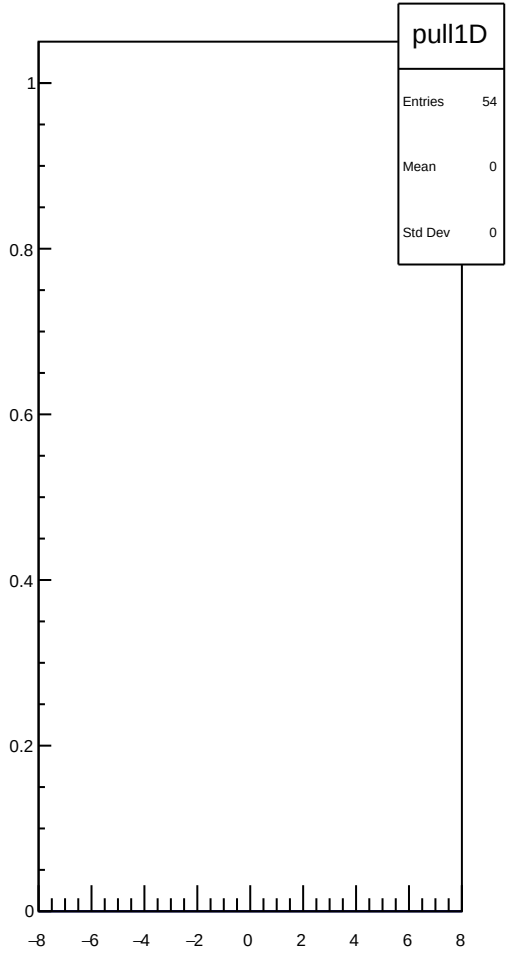

yield_bpm0i02X_rms vs run
χ² / ndf 3.843e+04 / 53
p0 0.006702 ± 6.72e–06
0.1
0.08
0.06
0.04
0.02
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 1
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

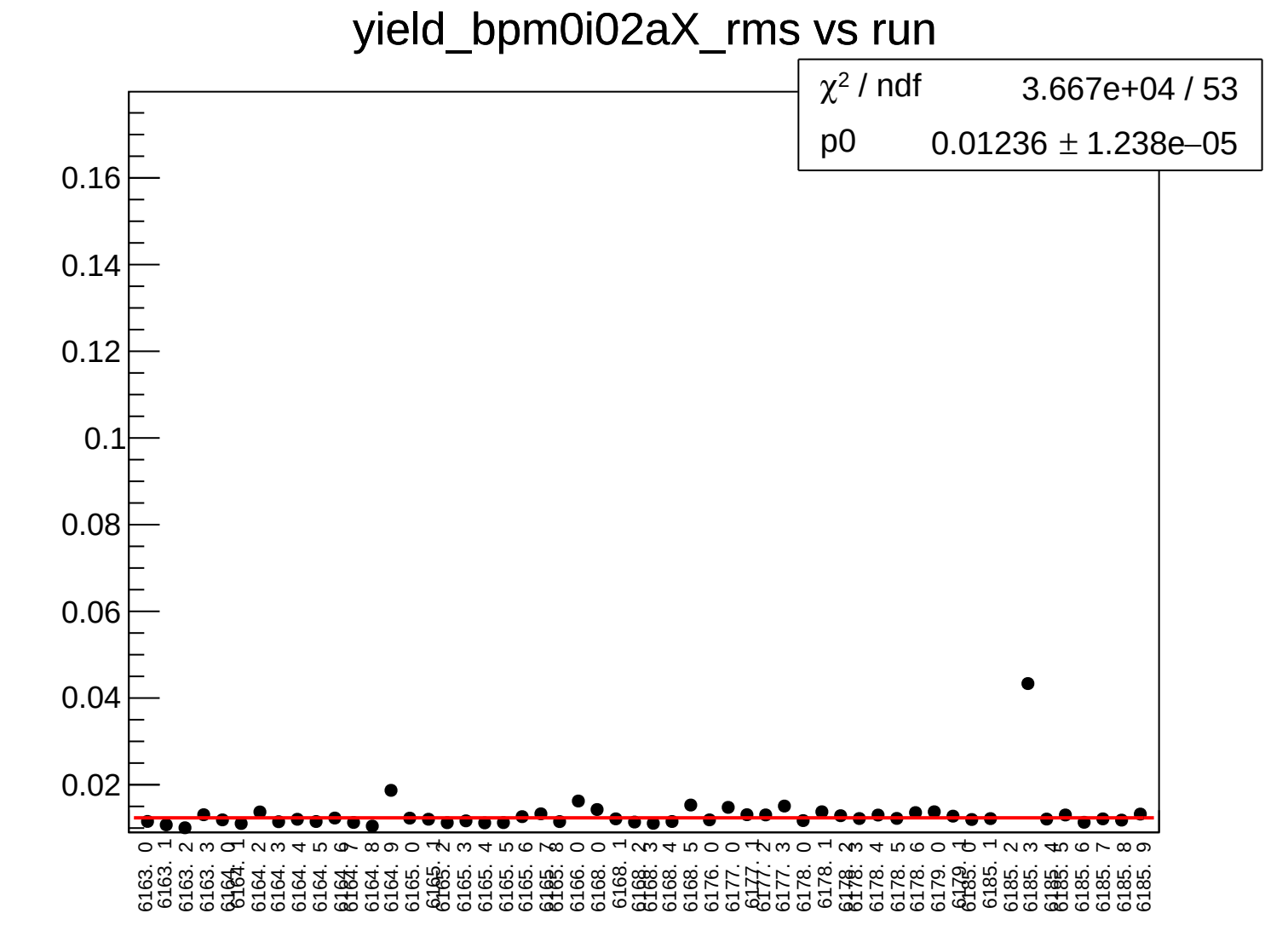

yield_bpm0i02Y_mean vs run
χ² / ndf 9.869e+06 / 53
p0 −3.64 ± 1.148e−05
pull
Entries 54
Mean −228.1
Std Dev 0

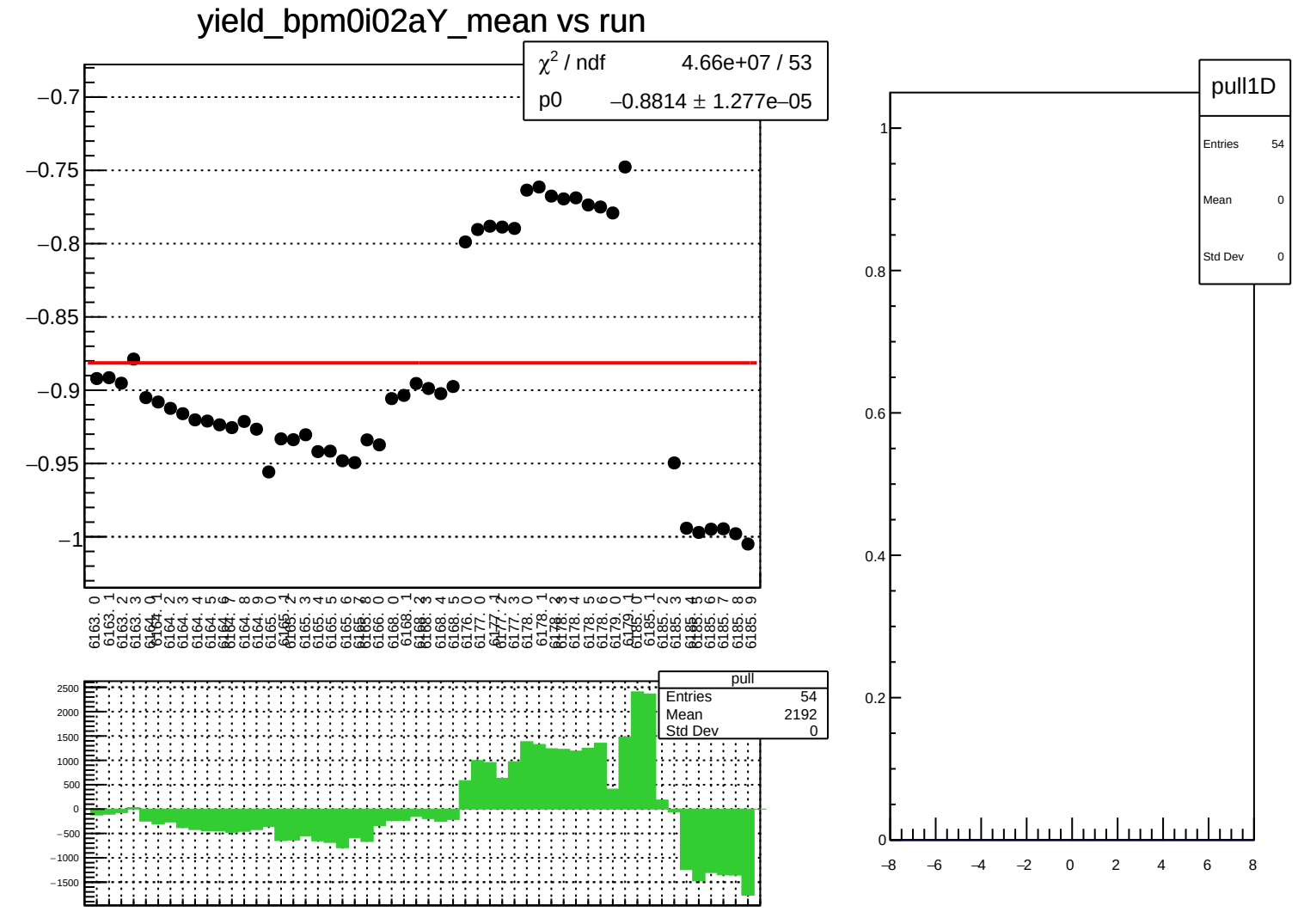

pull1D
Entries 54
Mean −6.6
Std Dev 0

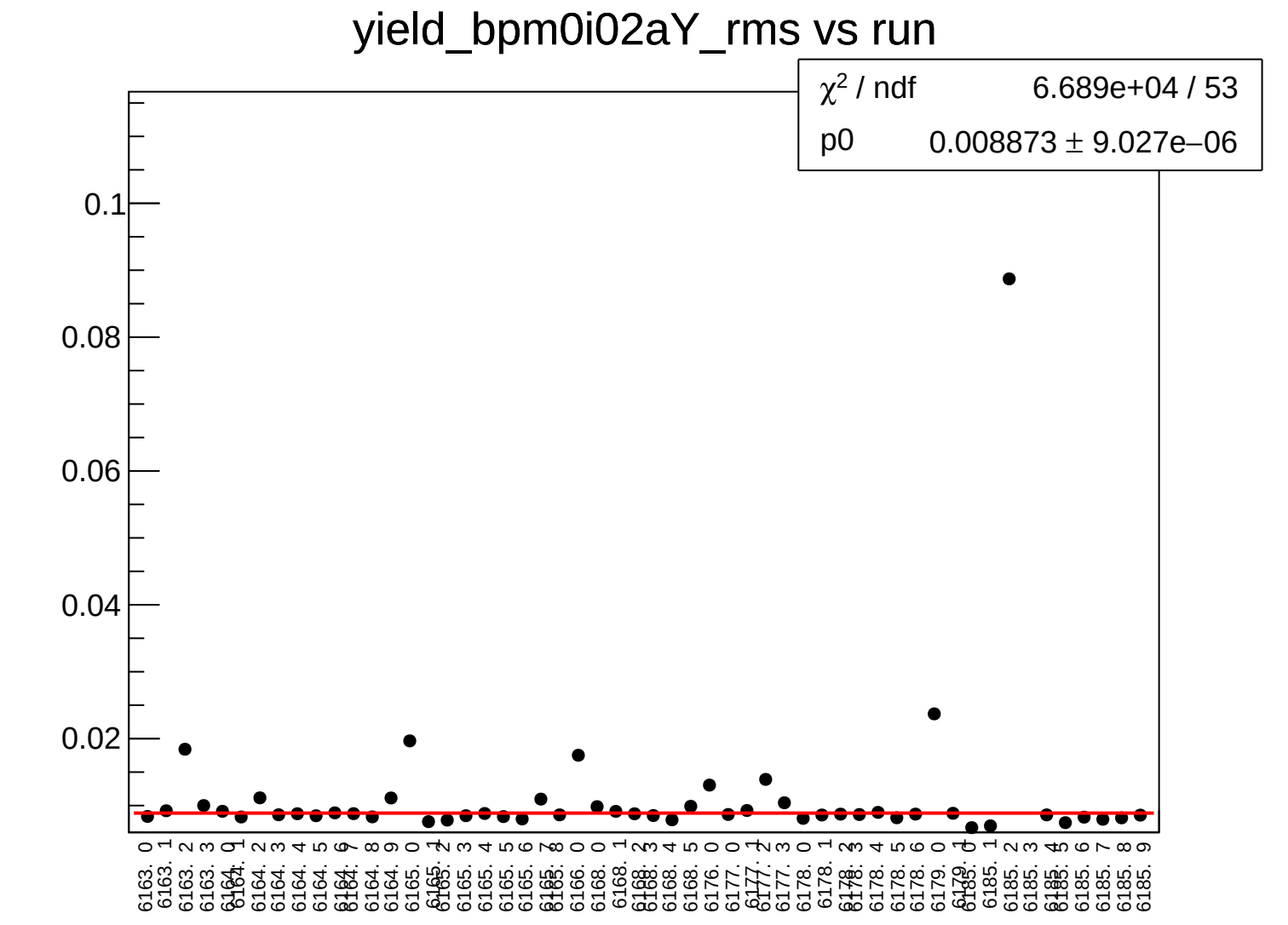

yield_bpm0i02Y_rms vs run
χ² / ndf 5.687e+04 / 53
p0 0.00802 ± 8.117e–06
0.1
0.08
0.06
0.04
0.02
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

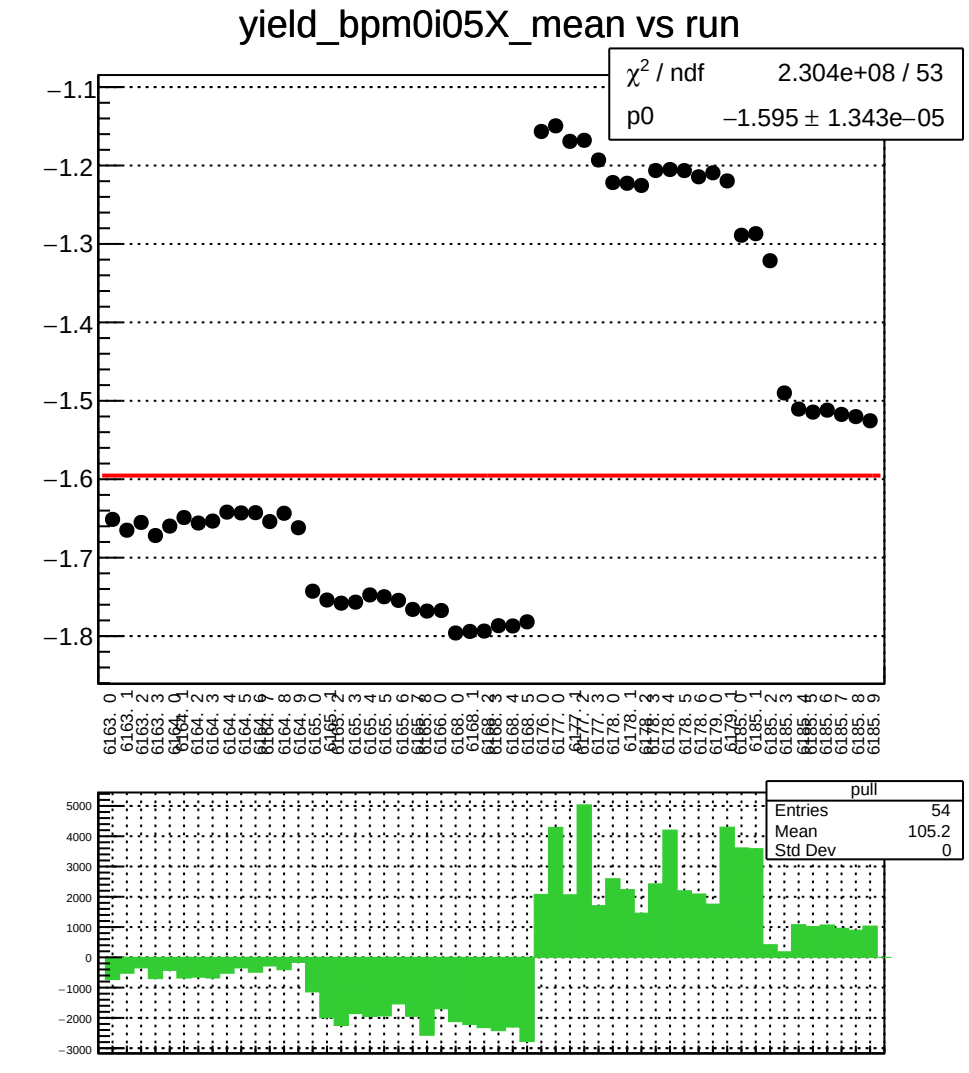

yield_bpm0i02aX_mean vs run
χ² / ndf 3.151e+08 / 53
p0 1.276 ± 1.751e−05
pull
Entries 54
Mean 325.8
Std Dev 0

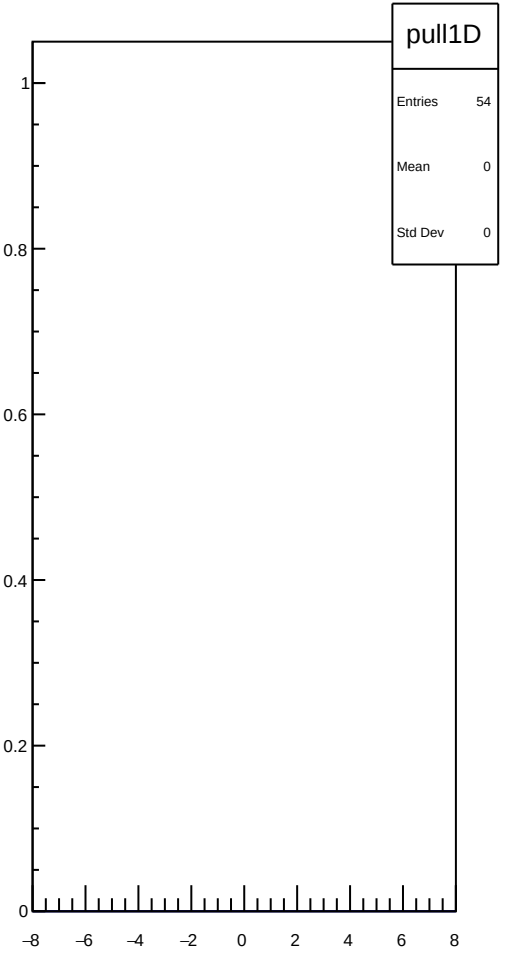

pull1D
Entries 54
Mean 0
Std Dev 0

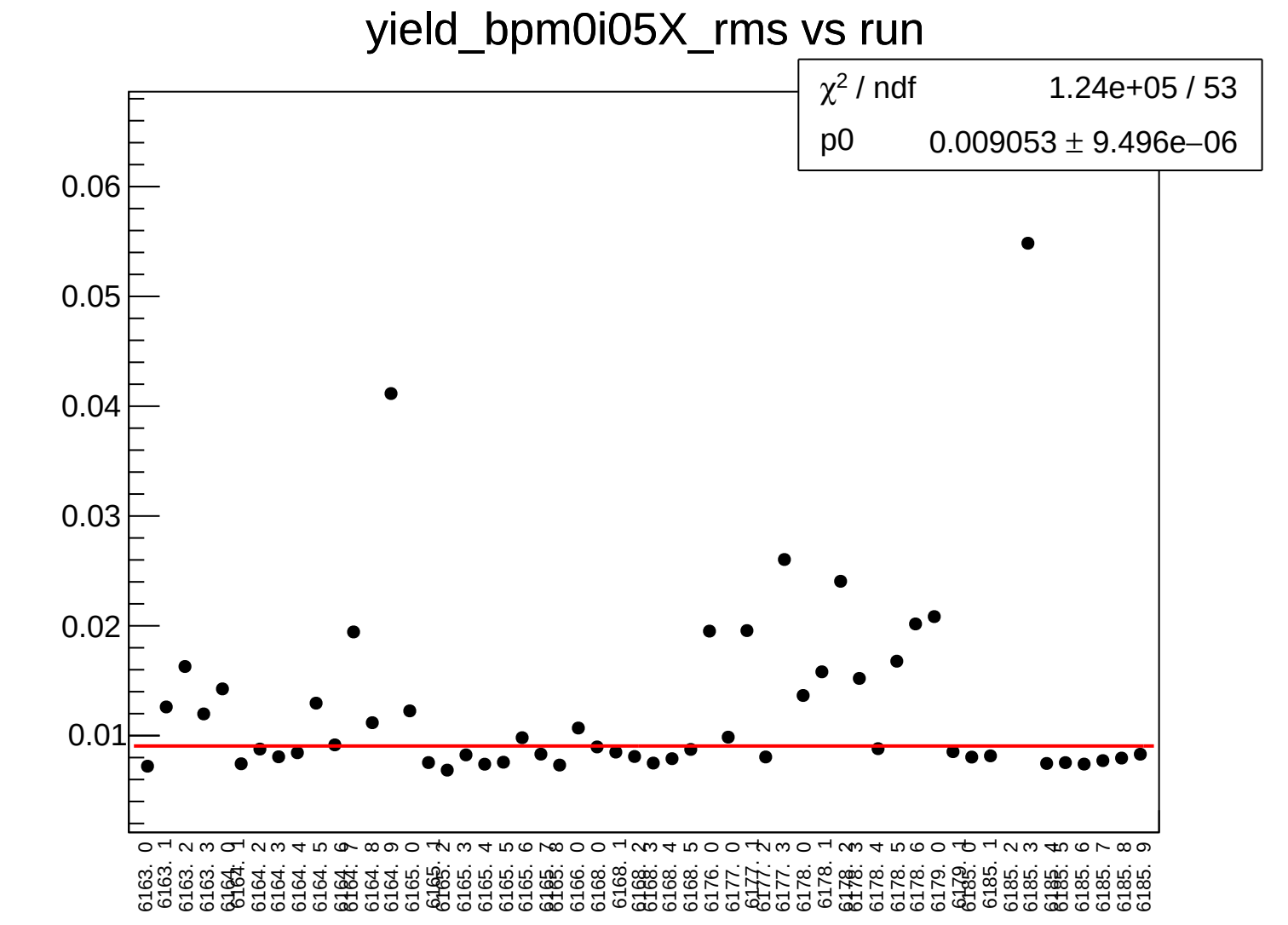

yield_bpm0i02aX_rms vs run
χ² / ndf 3.667e+04 / 53
p0 0.01236 ± 1.238e–05
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

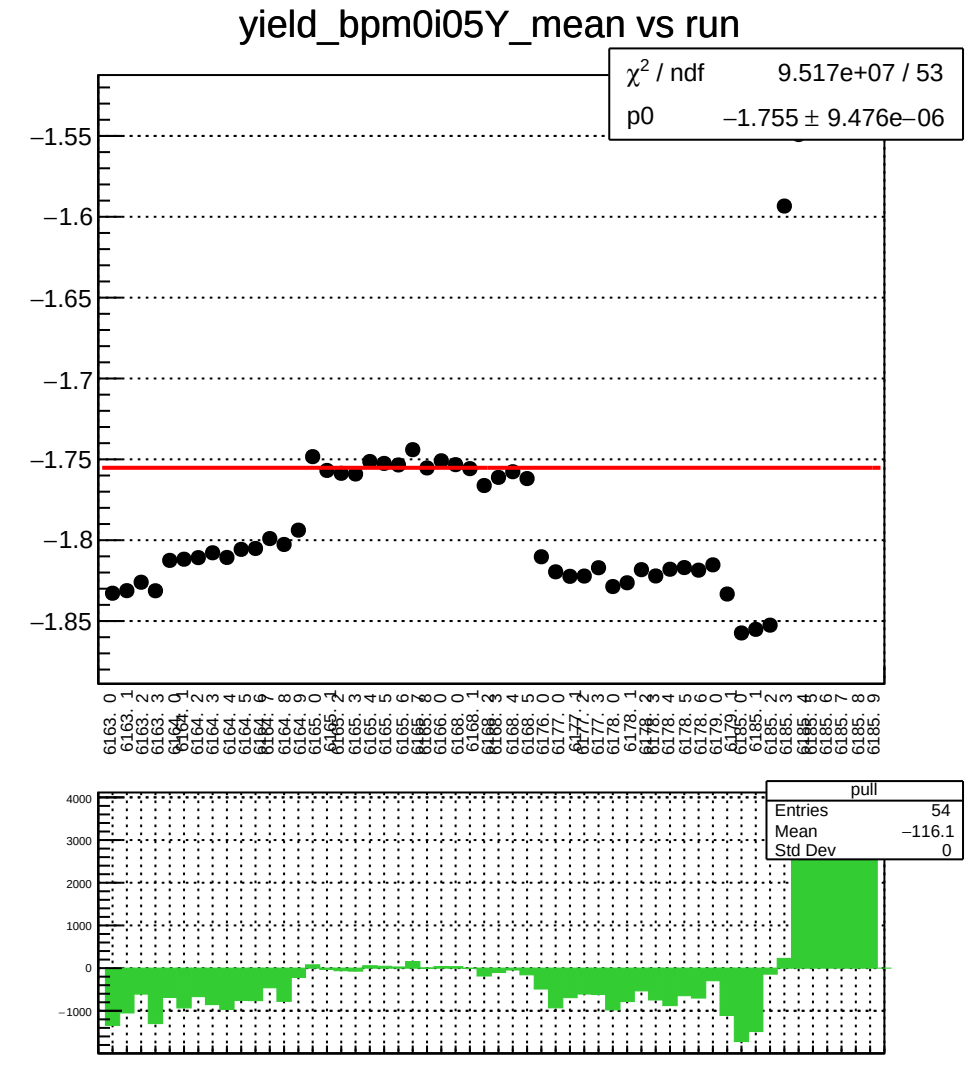

yield_bpm0i02aY_mean vs run
χ² / ndf 4.66e+07 / 53
p0 −0.8814 ± 1.277e−05
pull
Entries 54
Mean 2192
Std Dev 0
pull1D
Entries 54
Mean 0
Std Dev 0

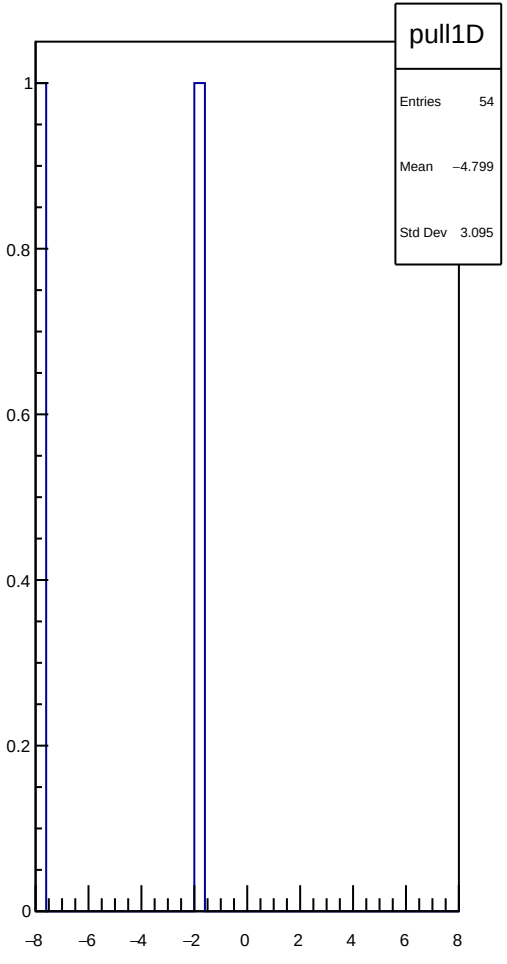

yield_bpm0i02aY_rms vs run
χ² / ndf 6.689e+04 / 53
p0 0.008873 ± 9.027e−06
0.1
0.08
0.06
0.04
0.02
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

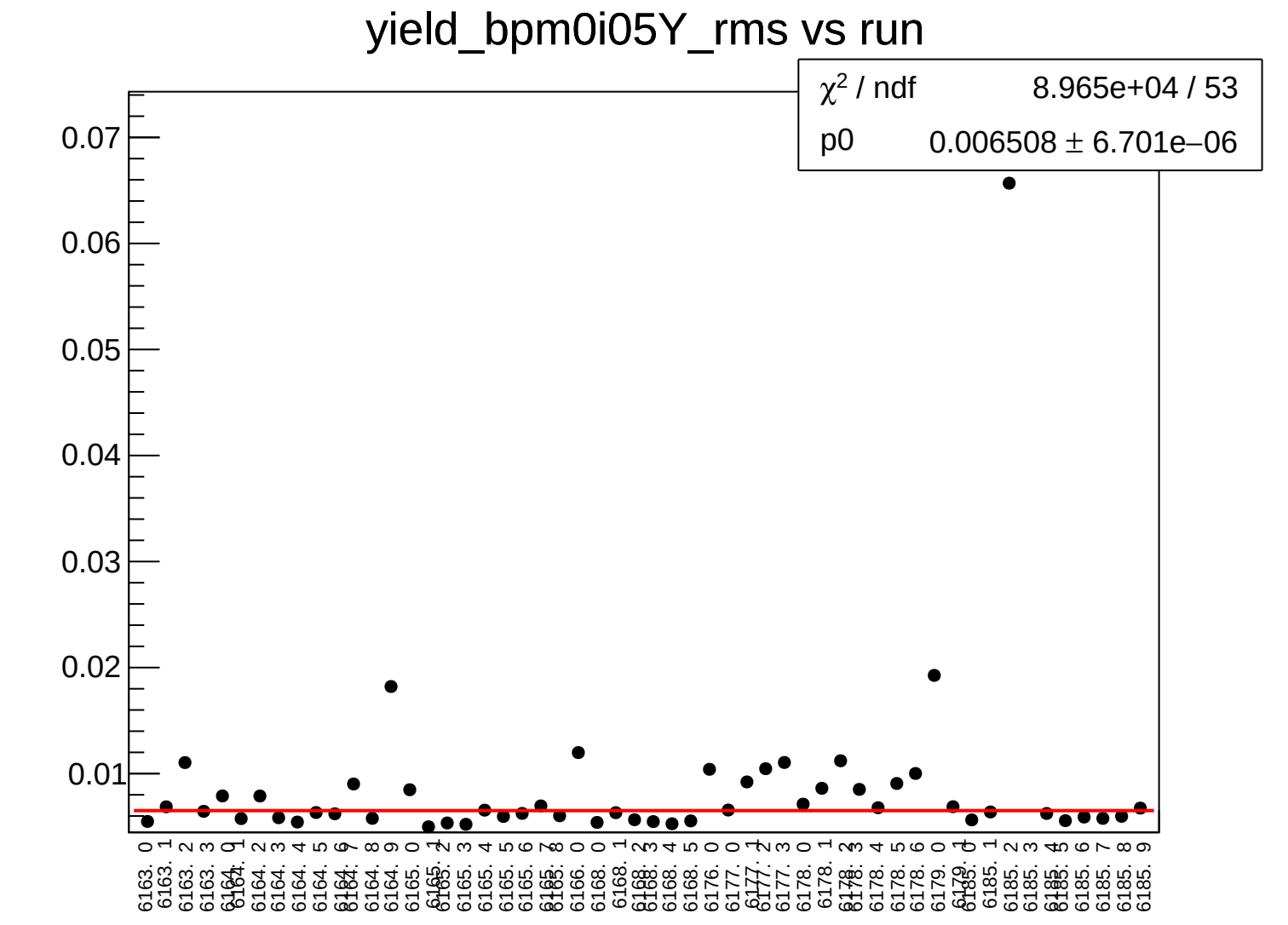

yield_bpm0i05X_mean vs run
χ² / ndf 2.304e+08 / 53
p0 −1.595 ± 1.343e−05
−1.1
−1.2
−1.3
−1.4
−1.5
−1.6
−1.7
−1.8
pull
Entries 54
Mean 105.2
Std Dev 0
5000
4000
3000
2000
1000
0
−1000
−2000
−3000

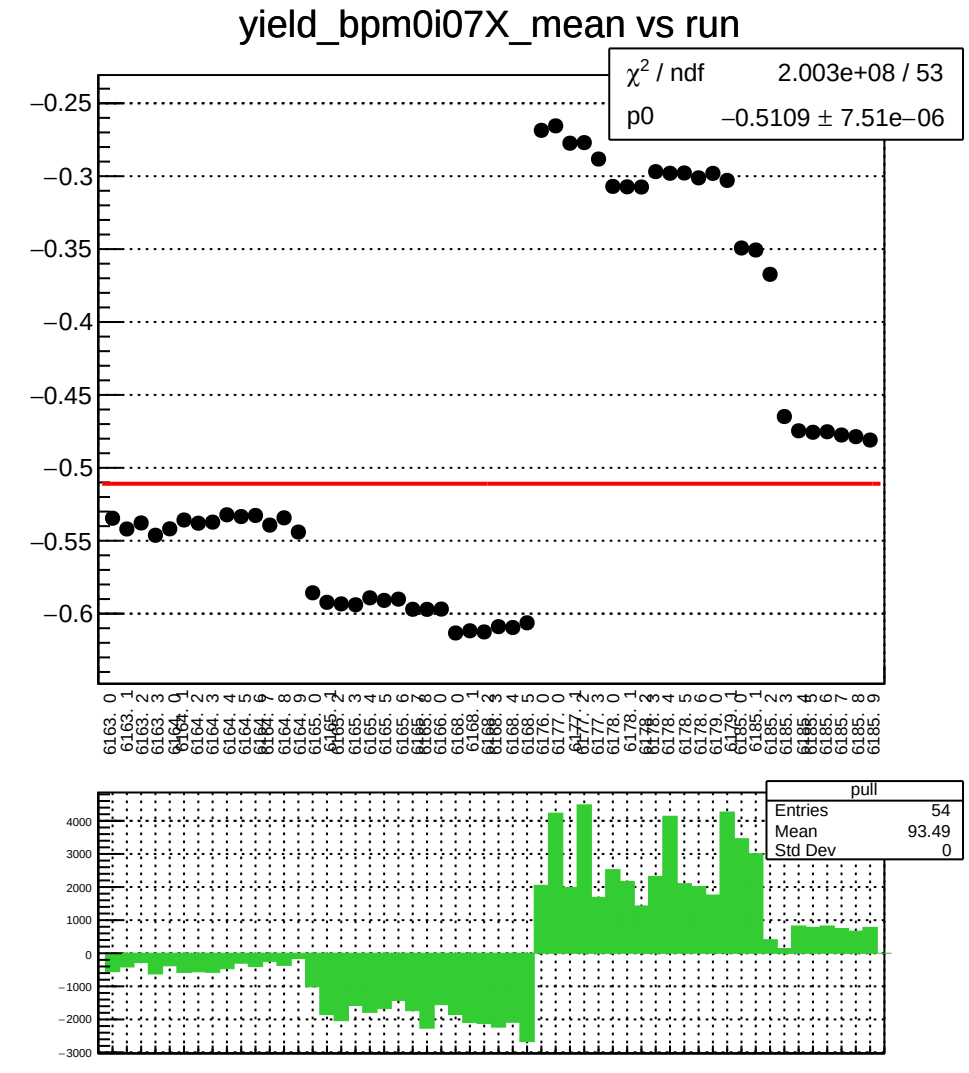

pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

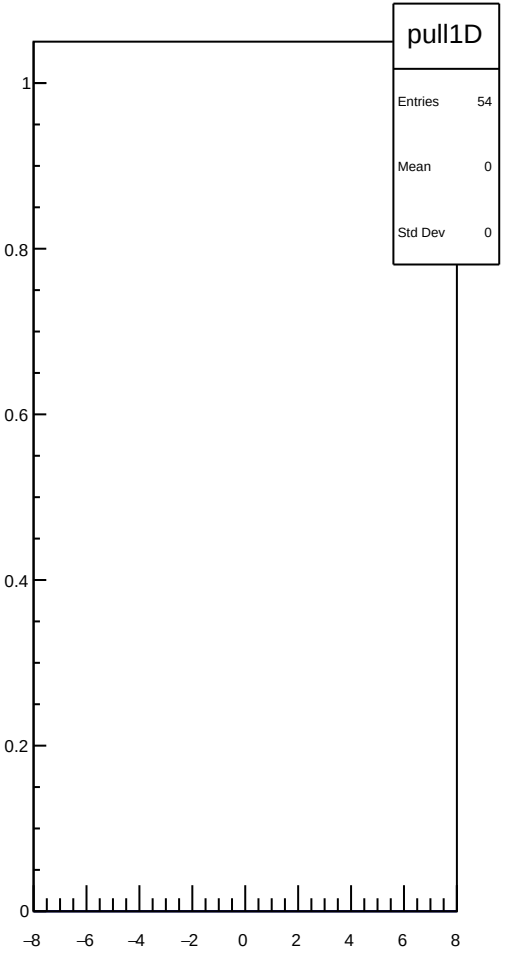

yield_bpm0i05X_rms vs run
χ² / ndf 1.24e+05 / 53
p0 0.009053 ± 9.496e−06
0.06
0.05
0.04
0.03
0.02
0.01
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

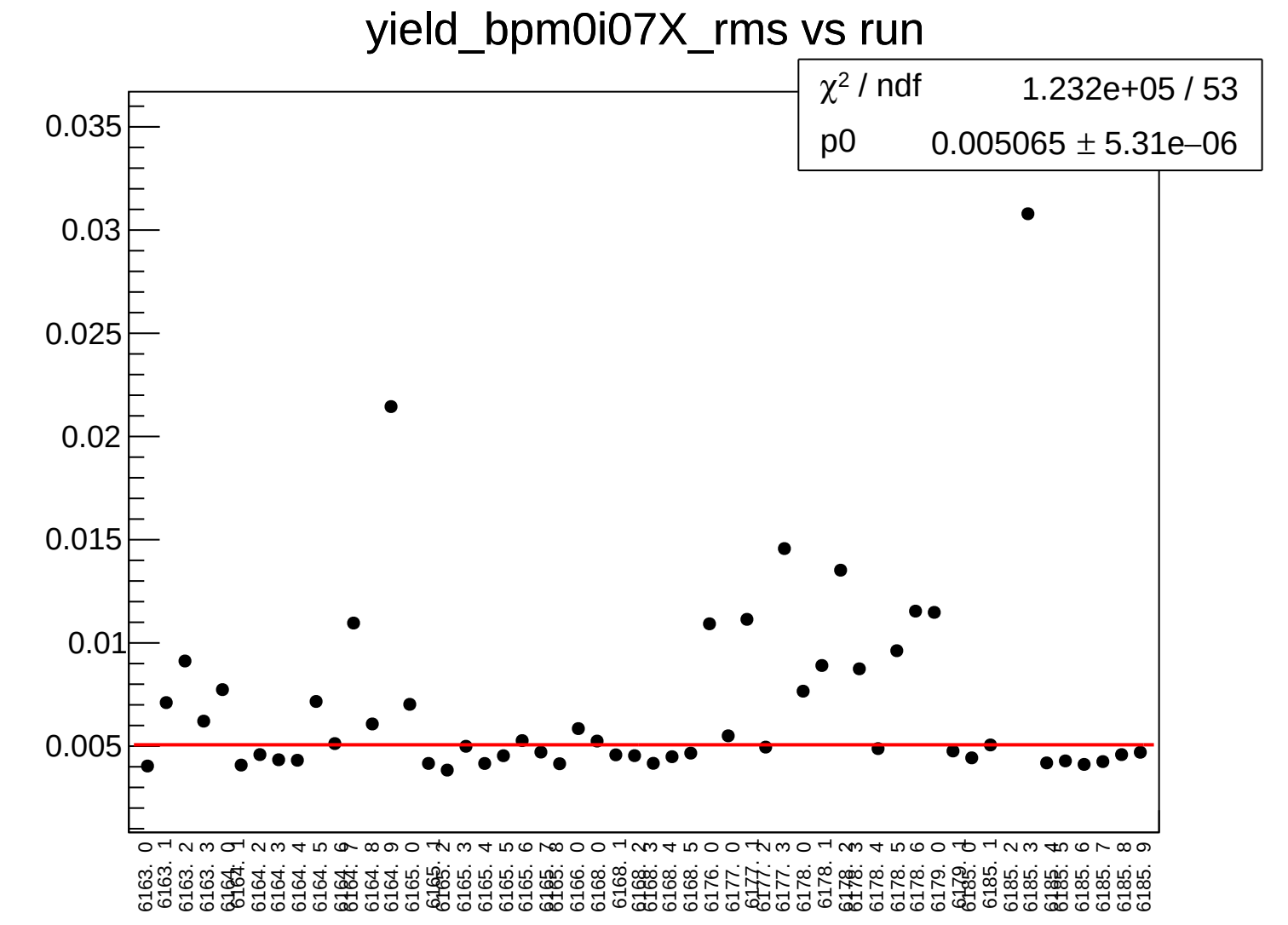

yield_bpm0i05Y_mean vs run
χ² / ndf 9.517e+07 / 53
p0 −1.755 ± 9.476e−06
−1.55
−1.6
−1.65
−1.7
−1.75
−1.8
−1.85
pull
Entries 54
Mean −116.1
Std Dev 0
4000
3000
2000
1000
0
−1000

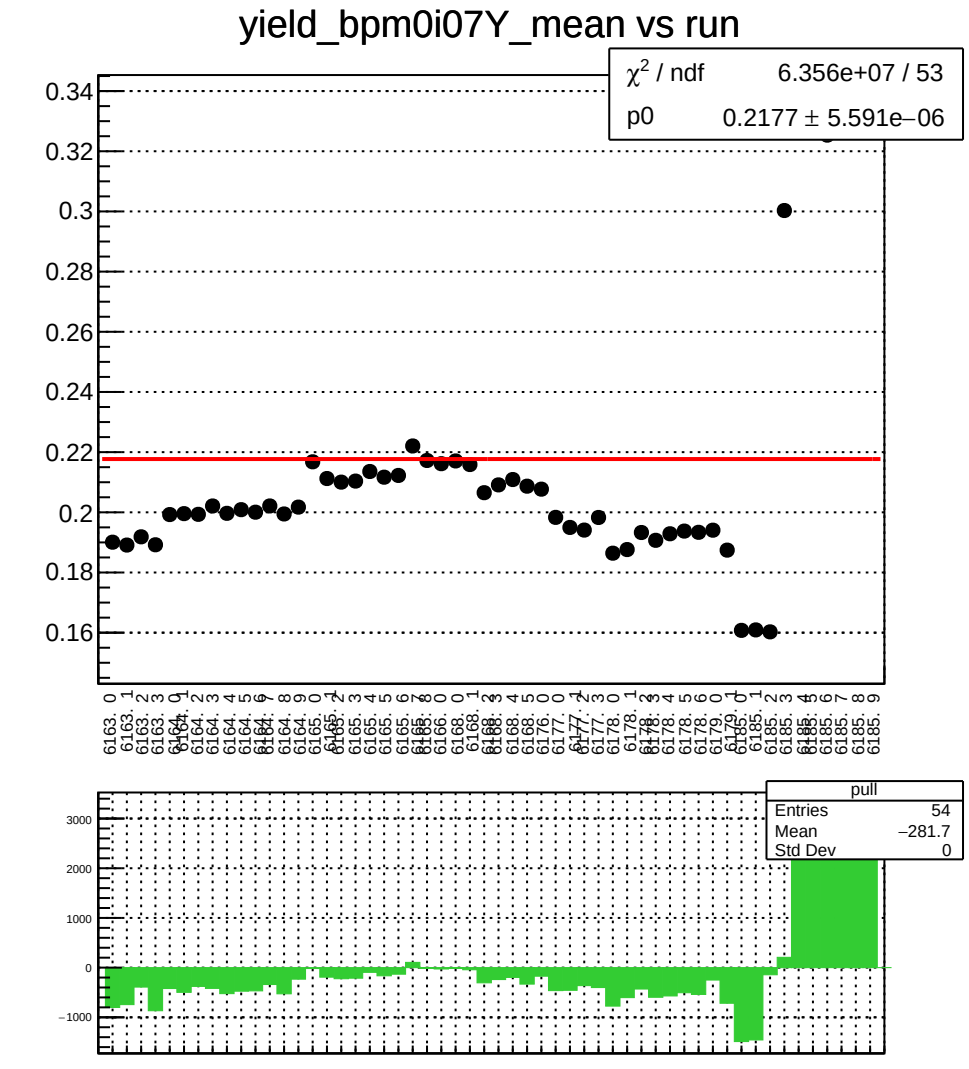

pull1D
Entries 54
Mean −4.799
Std Dev 3.095
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

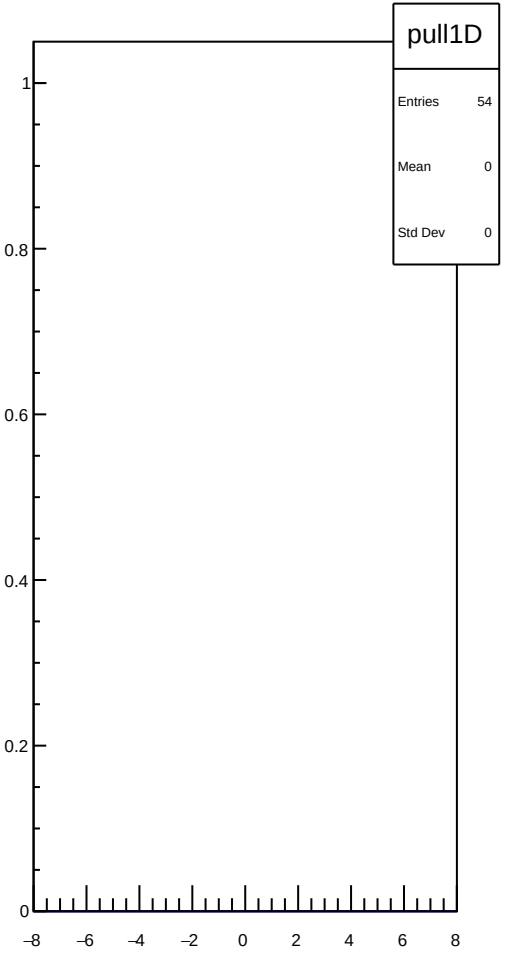

yield_bpm0i05Y_rms vs run
χ² / ndf 8.965e+04 / 53
p0 0.006508 ± 6.701e−06
0.07
0.06
0.05
0.04
0.03
0.02
0.01
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

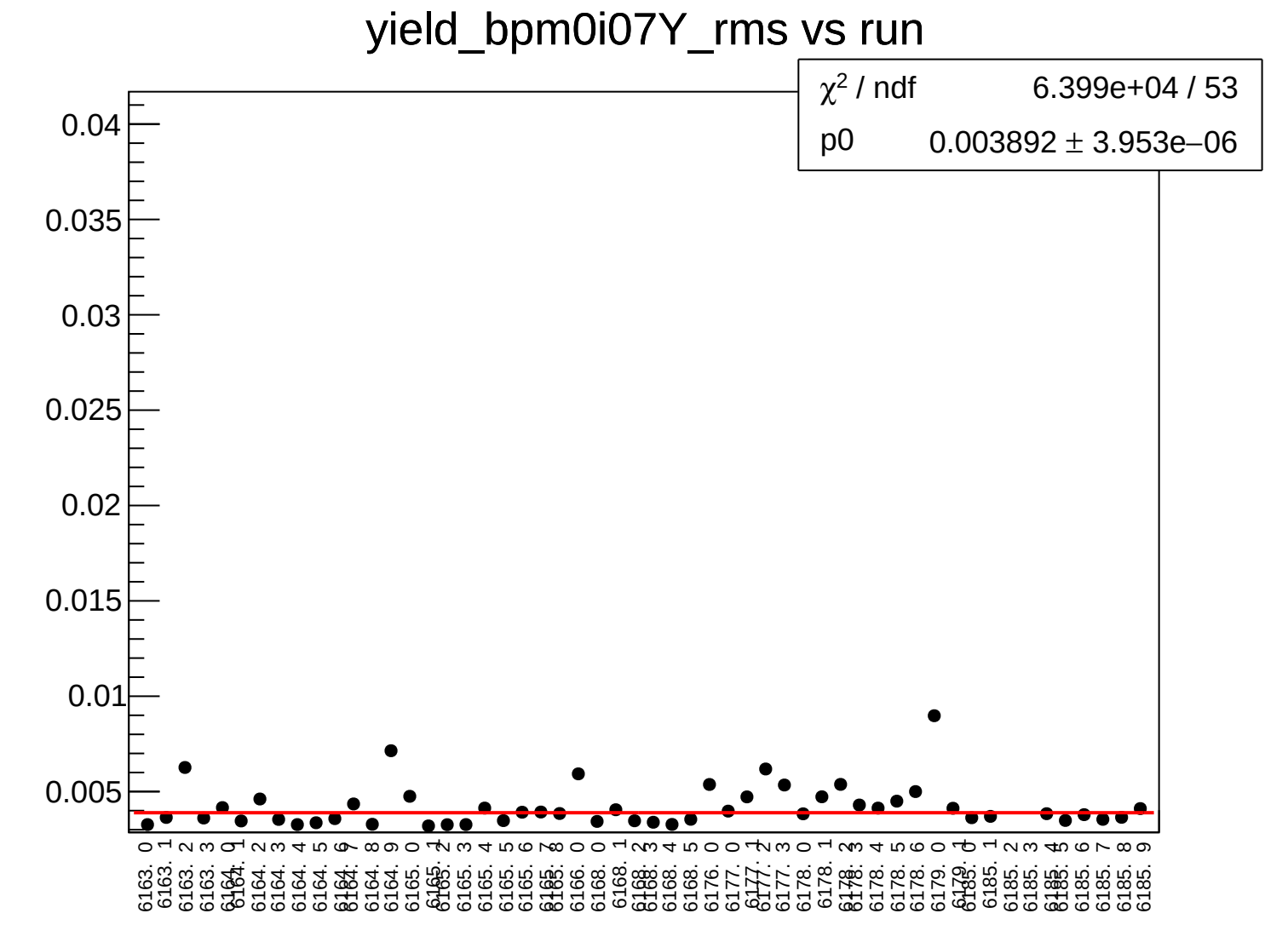

yield_bpm0i07X_mean vs run
χ² / ndf 2.003e+08 / 53
p0 −0.5109 ± 7.51e−06
pull
Entries 54
Mean 93.49
Std Dev 0

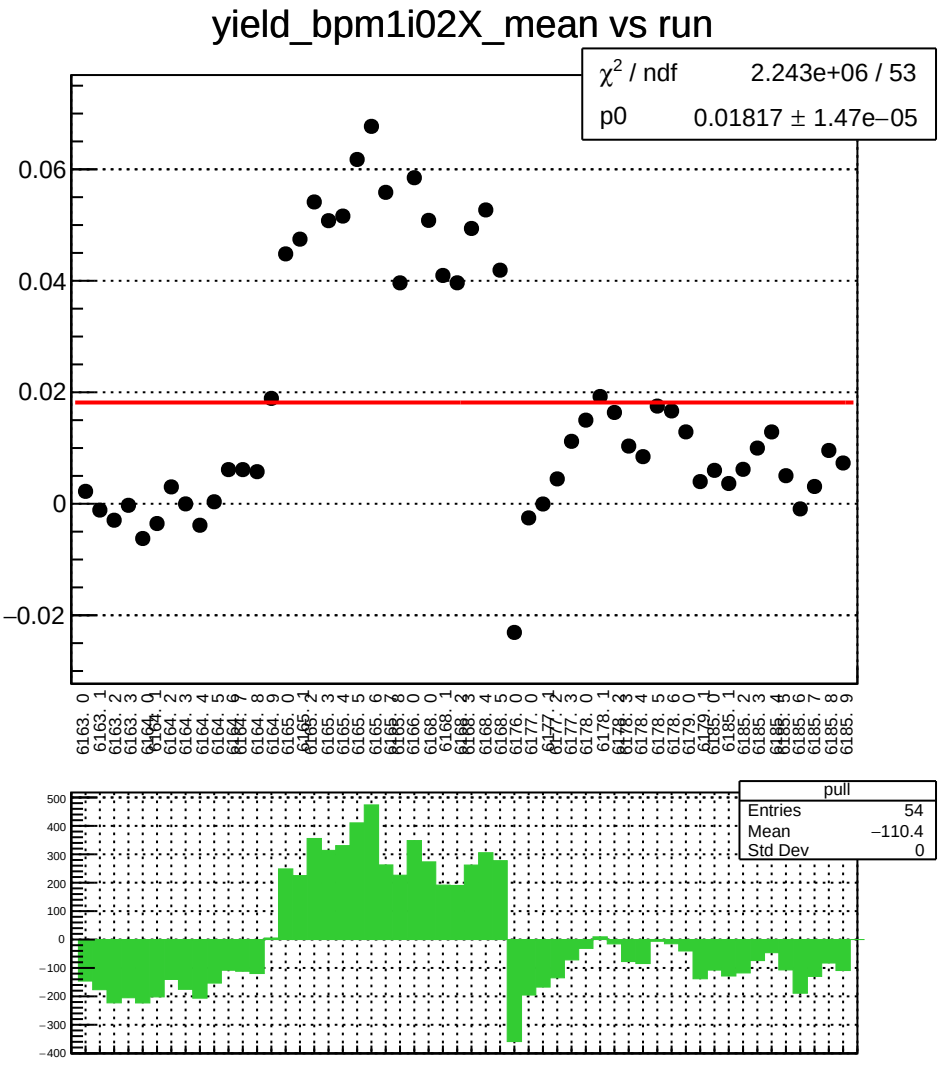

pull1D
Entries 54
Mean 0
Std Dev 0

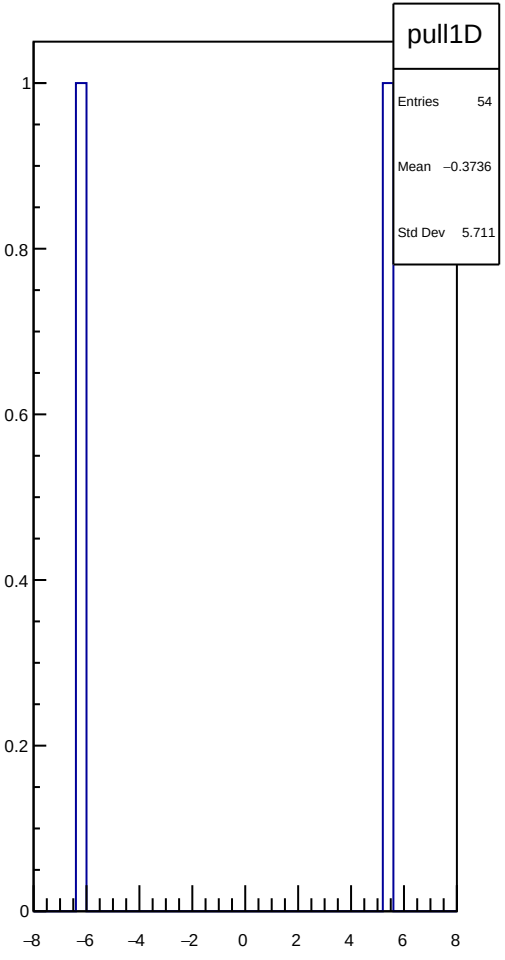

yield_bpm0i07X_rms vs run
χ² / ndf 1.232e+05 / 53
p0 0.005065 ± 5.31e−06
0.035
0.03
0.025
0.02
0.015
0.01
0.005
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

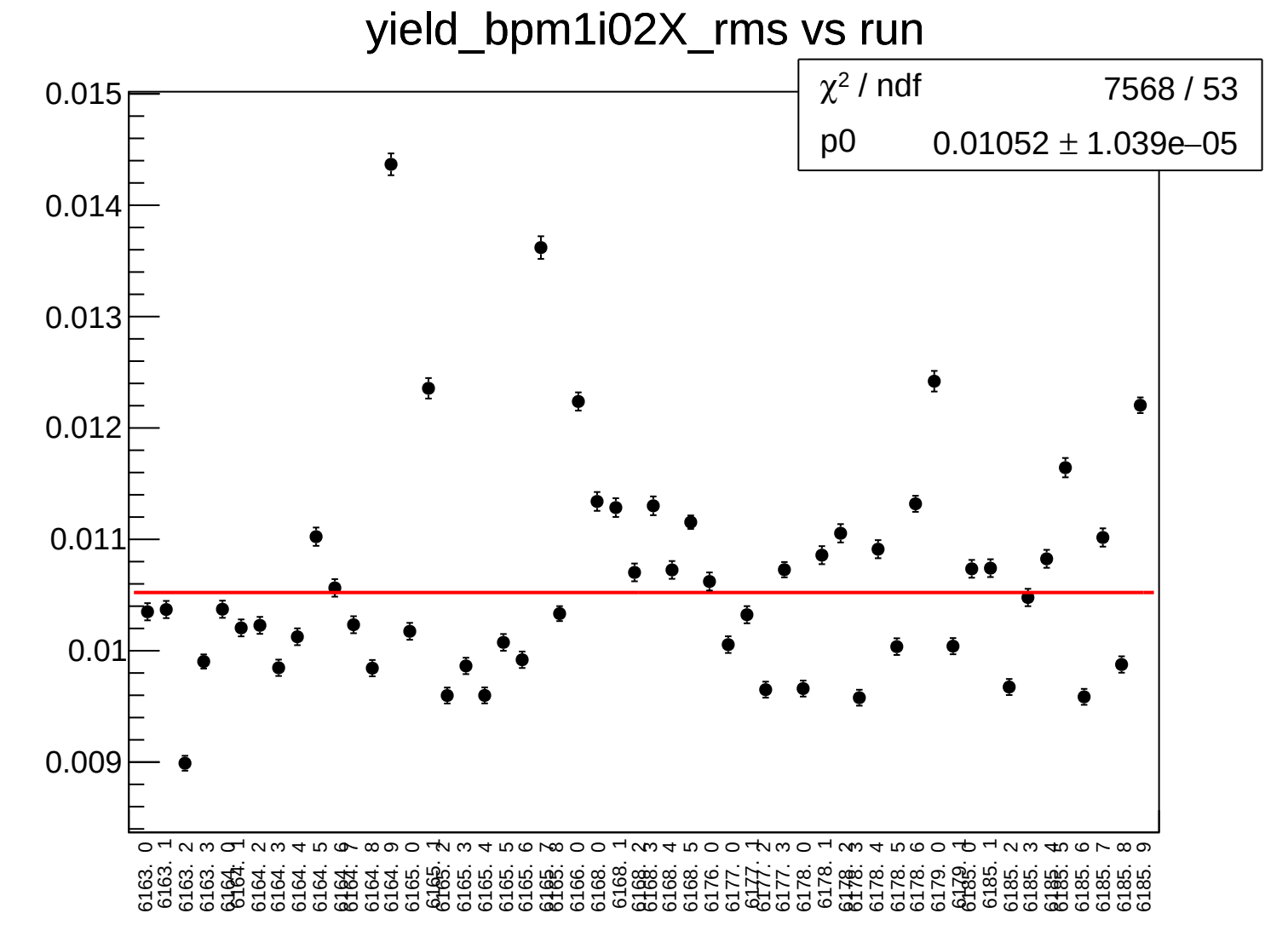

yield_bpm0i07Y_mean vs run
χ² / ndf 6.356e+07 / 53
p0 0.2177 ± 5.591e−06
pull
Entries 54
Mean −281.7
Std Dev 0

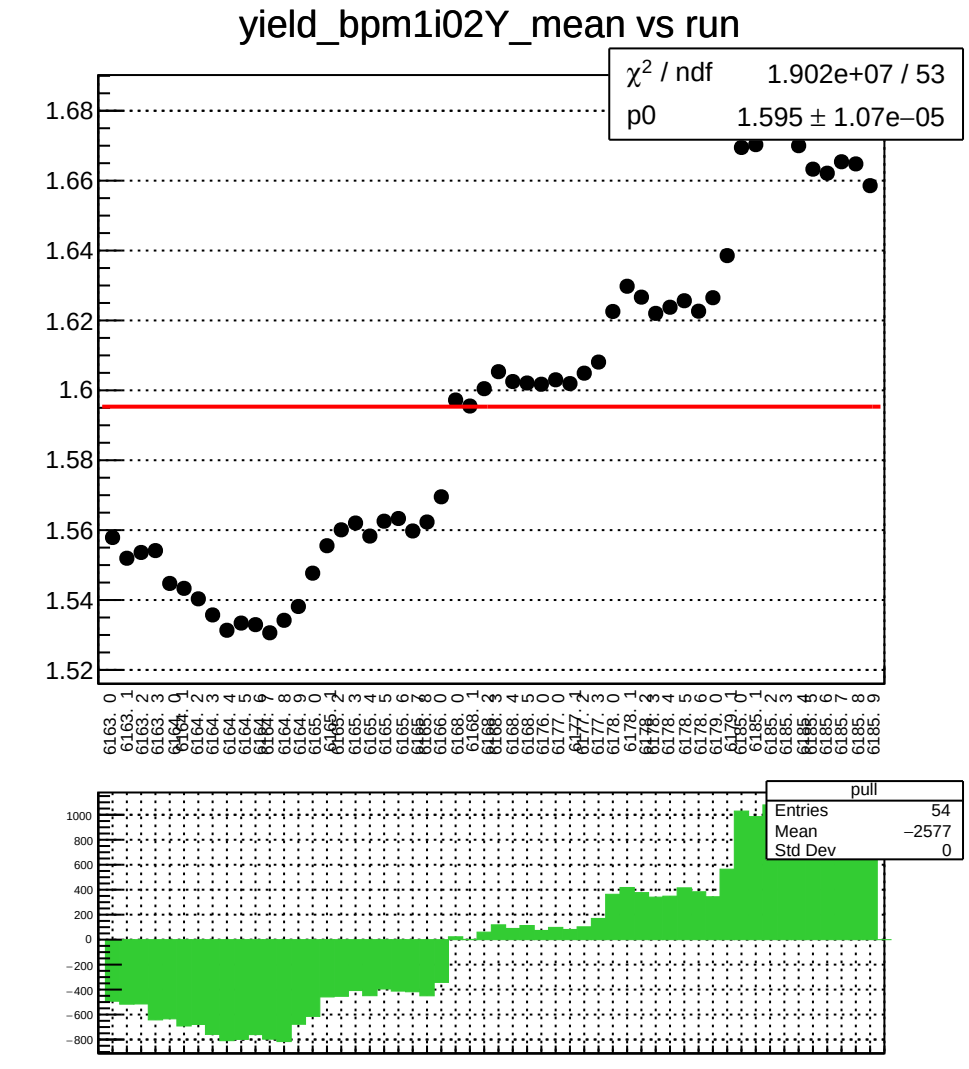

pull1D
Entries 54
Mean 0
Std Dev 0

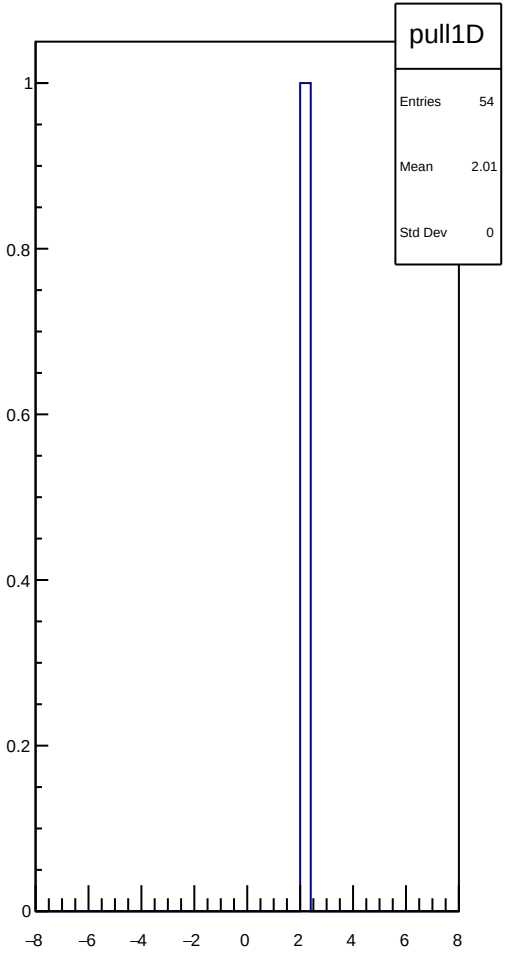

yield_bpm0i07Y_rms vs run
χ² / ndf 6.399e+04 / 53
p0 0.003892 ± 3.953e−06
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

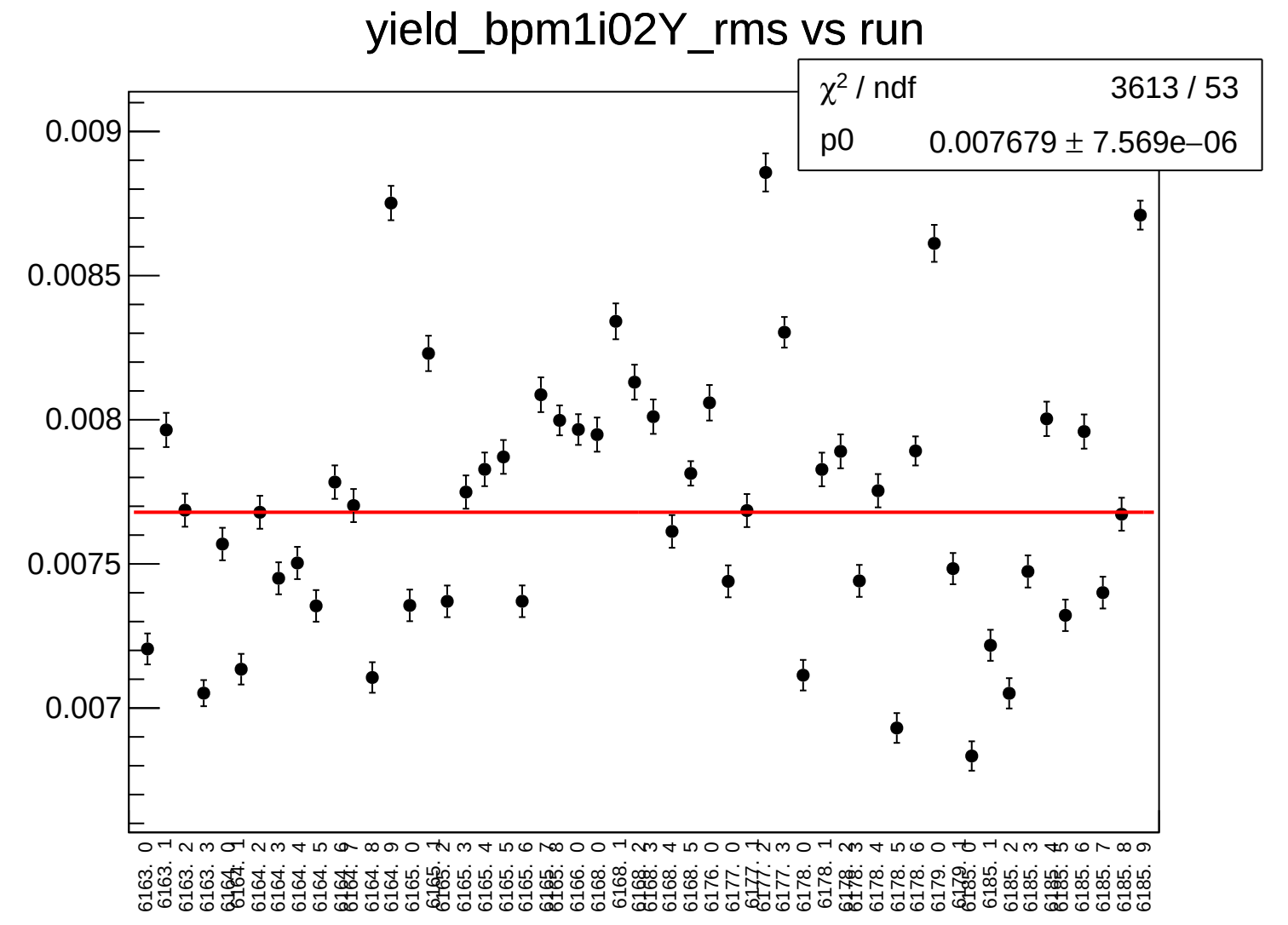

yield_bpm1i02X_mean vs run
χ² / ndf 2.243e+06 / 53
p0 0.01817 ± 1.47e−05
0.06
0.04
0.02
0
−0.02
pull
Entries 54
Mean −110.4
Std Dev 0
500
400
300
200
100
0
−100
−200
−300
−400

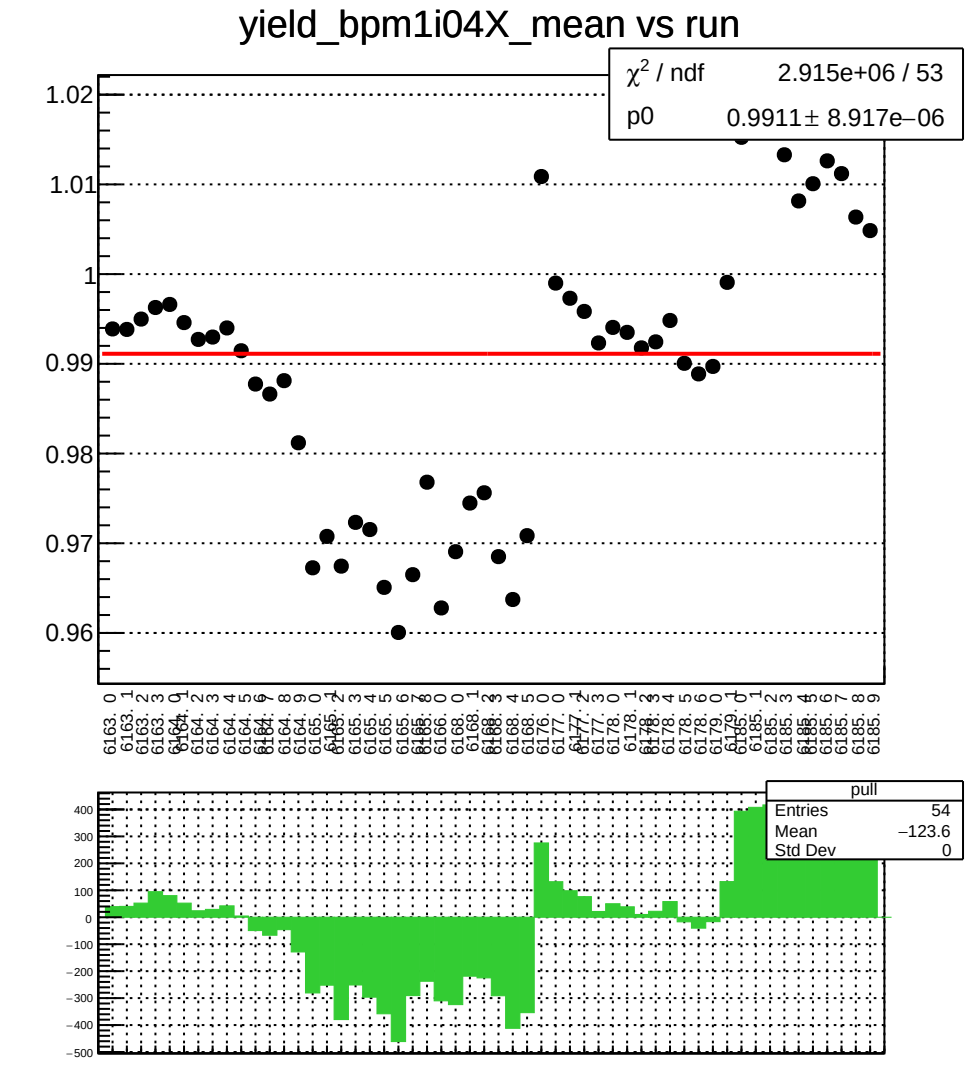

pull1D
Entries 54
Mean −0.3736
Std Dev 5.711
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

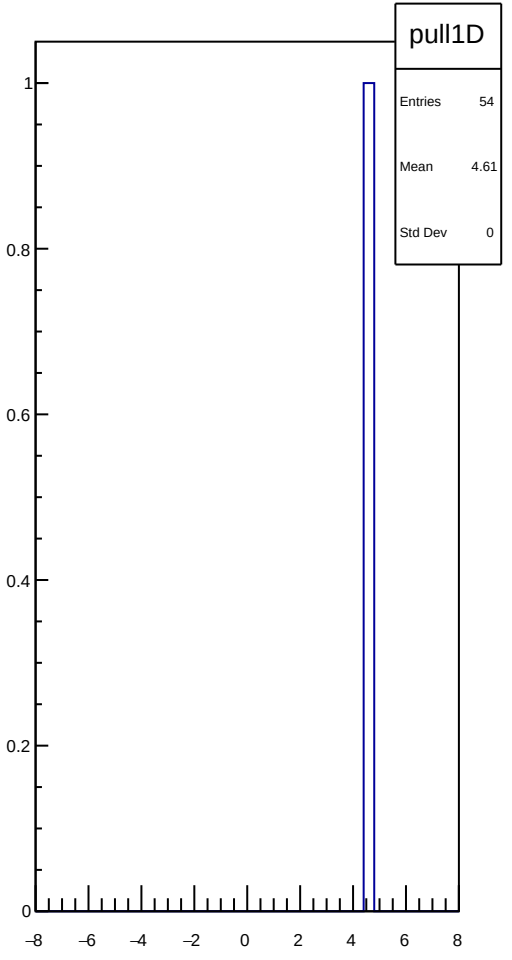

yield_bpm1i02X_rms vs run
χ² / ndf 7568 / 53
p0 0.01052 ± 1.039e–05
0.015
0.014
0.013
0.012
0.011
0.01
0.009
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

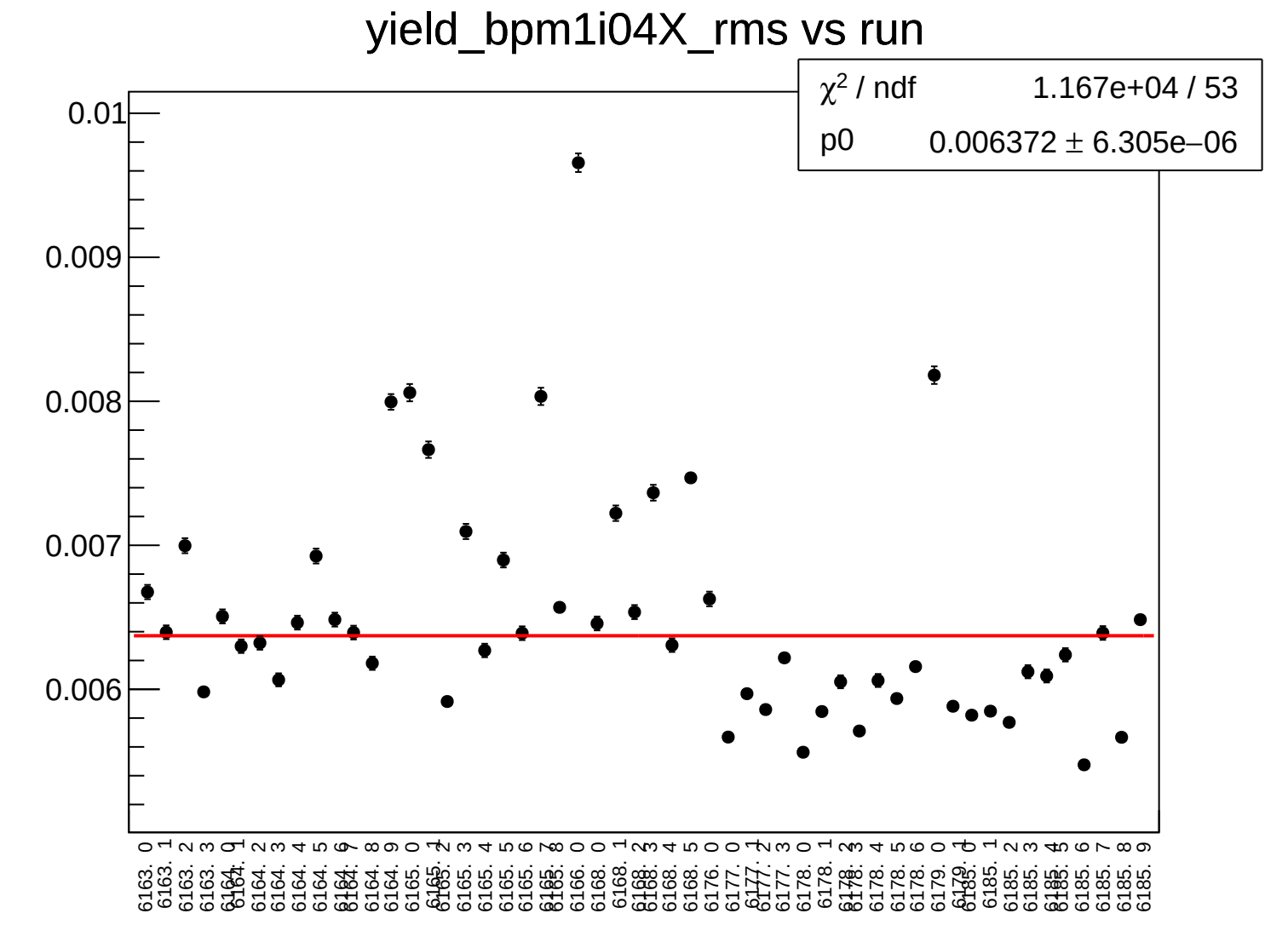

yield_bpm1i02Y_mean vs run
χ² / ndf 1.902e+07 / 53
p0 1.595 ± 1.07e−05
pull
Entries 54
Mean −2577
Std Dev 0

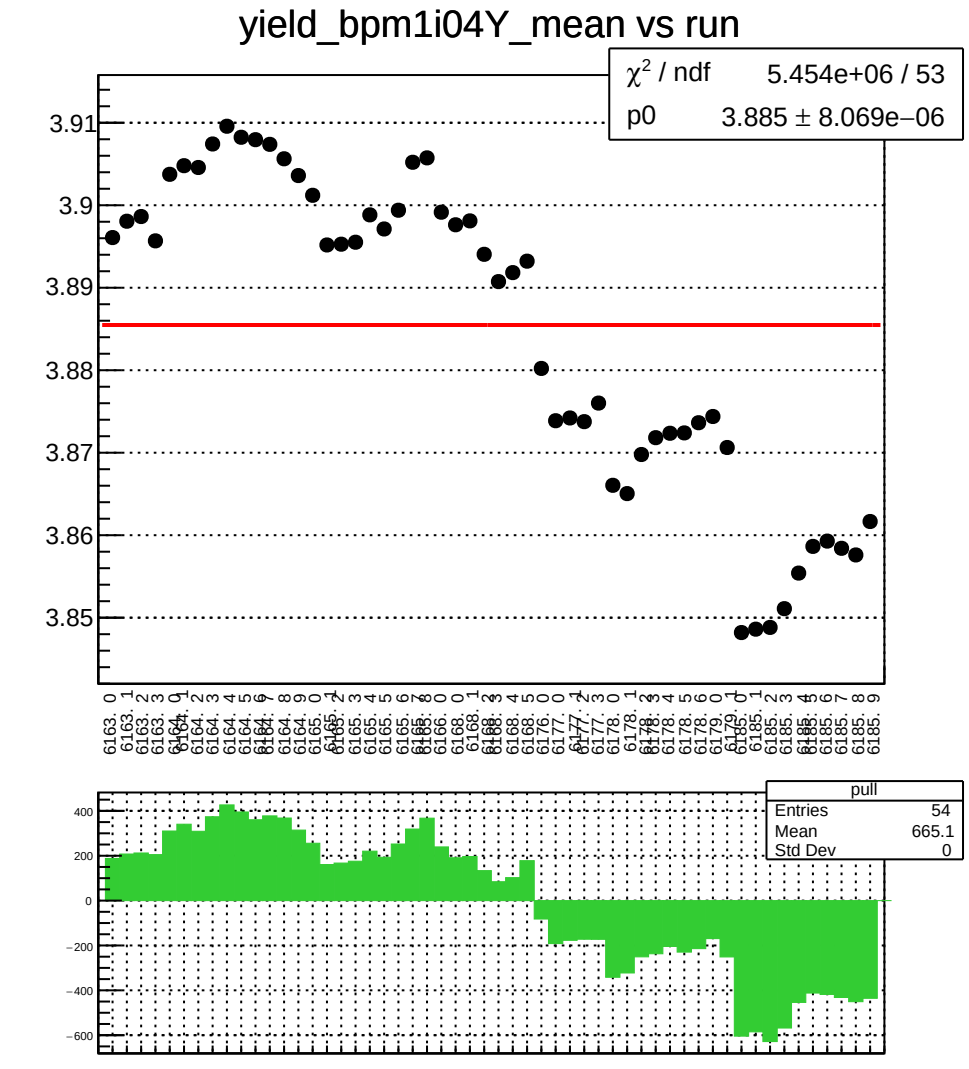

pull1D
Entries 54
Mean 2.01
Std Dev 0

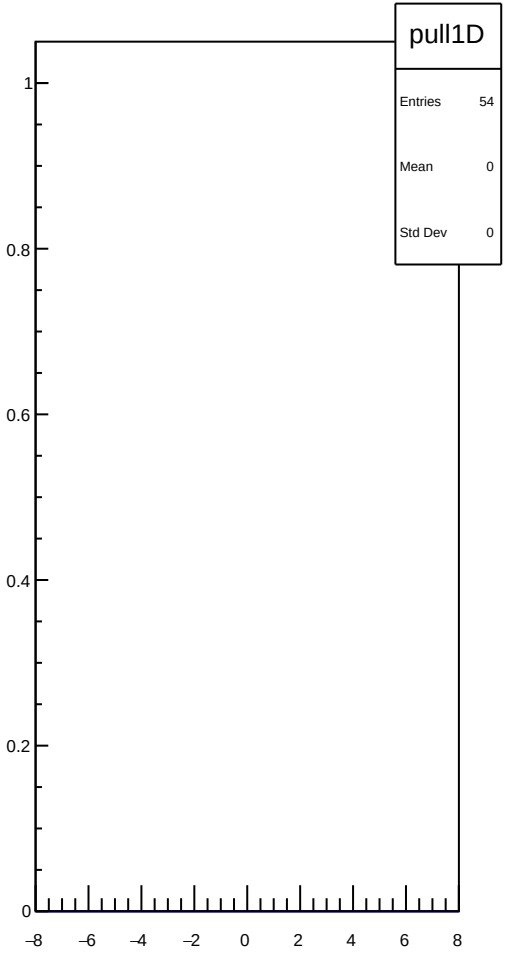

yield_bpm1i02Y_rms vs run
χ² / ndf 3613 / 53
p0 0.007679 ± 7.569e−06
0.009
0.0085
0.008
0.0075
0.007
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

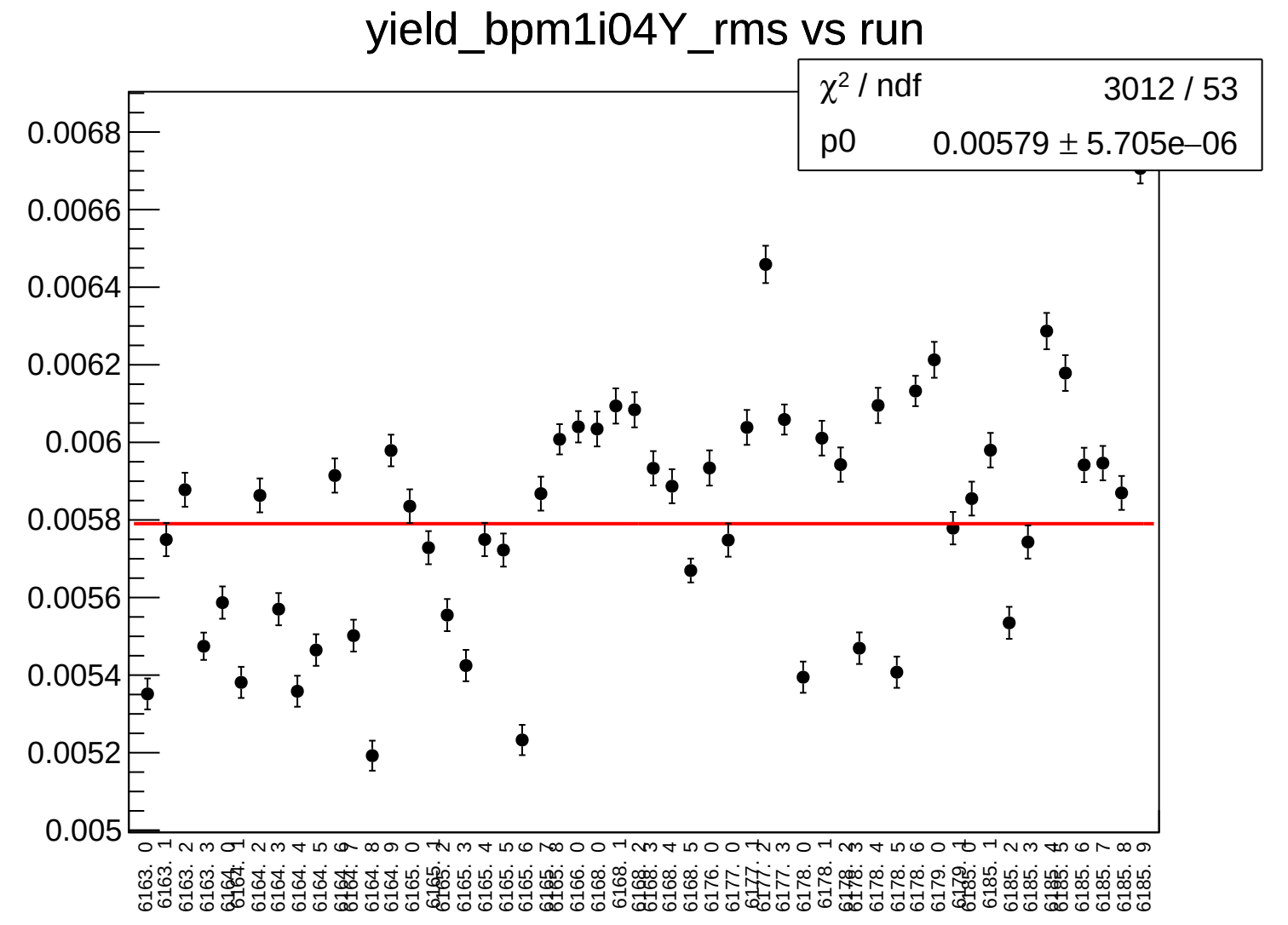

yield_bpm1i04X_mean vs run
χ² / ndf 2.915e+06 / 53
p0 0.9911 ± 8.917e−06
1.02
1.01
1
0.99
0.98
0.97
0.96
pull
Entries 54
Mean −123.6
Std Dev 0
400
300
200
100
0
−100
−200
−300
−400
−500

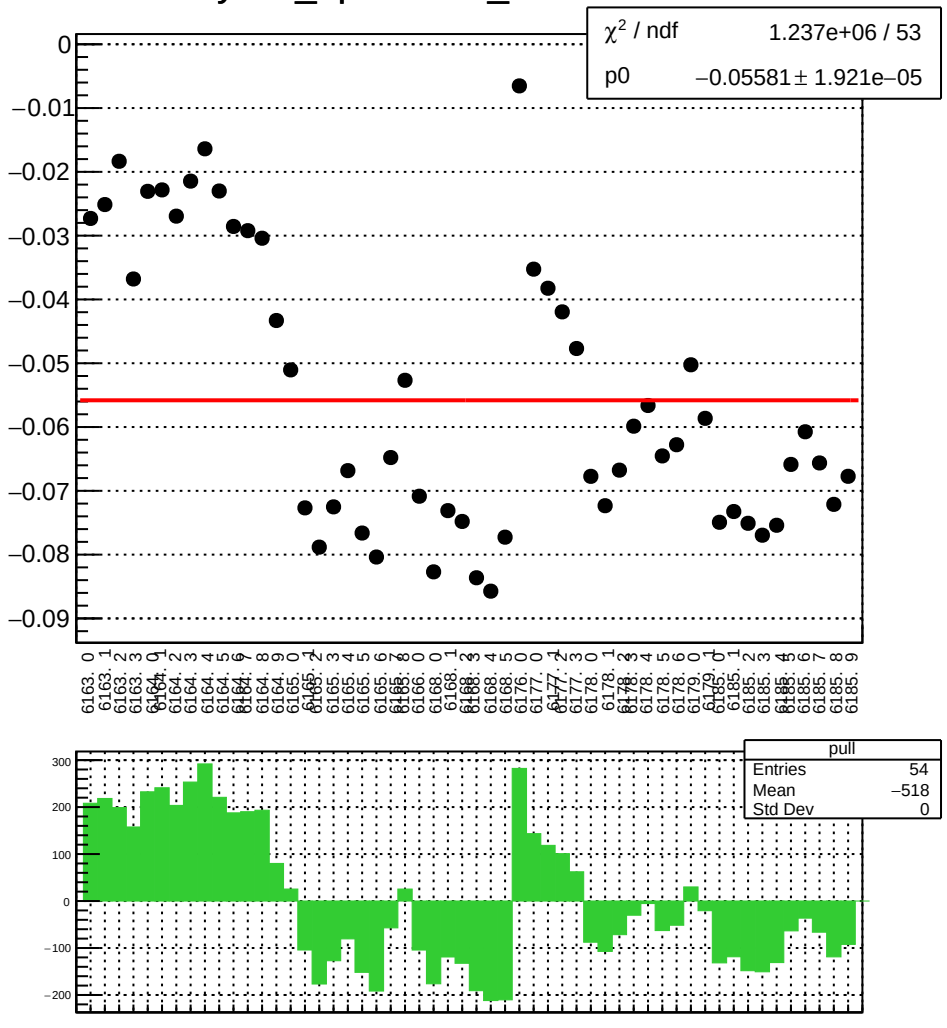

pull1D
Entries 54
Mean 4.61
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

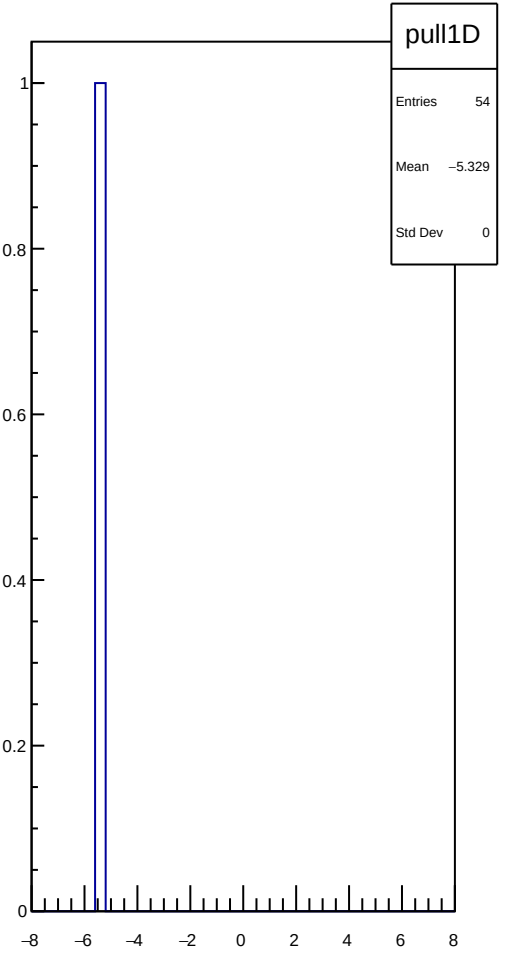

yield_bpm1i04X_rms vs run
χ² / ndf 1.167e+04 / 53
p0 0.006372 ± 6.305e−06
0.01
0.009
0.008
0.007
0.006
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

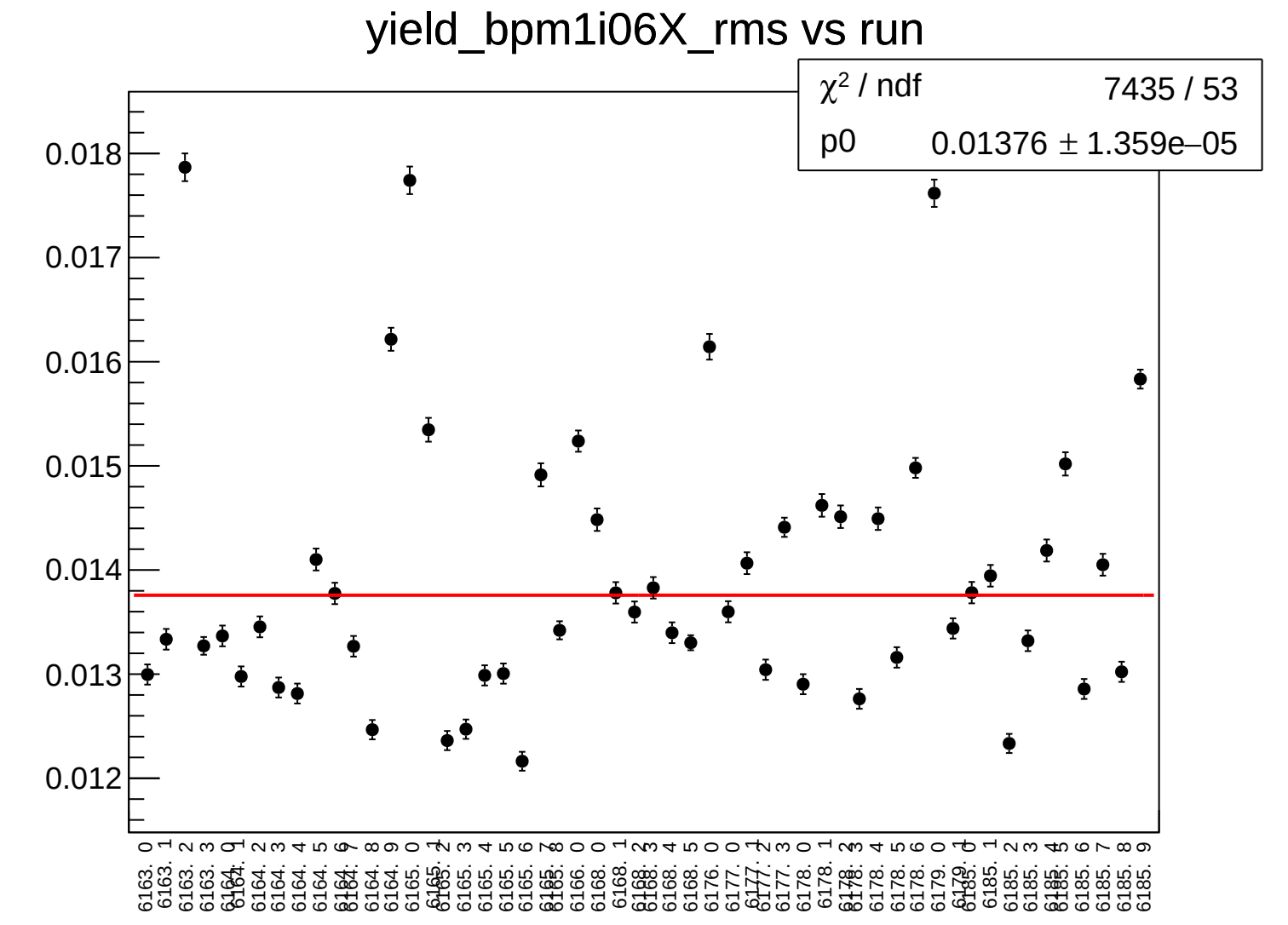

yield_bpm1i04Y_mean vs run
χ² / ndf 5.454e+06 / 53
p0 3.885 ± 8.069e−06
3.91
3.9
3.89
3.88
3.87
3.86
3.85
pull
Entries 54
Mean 665.1
Std Dev 0
400
200
0
−200
−400
−600

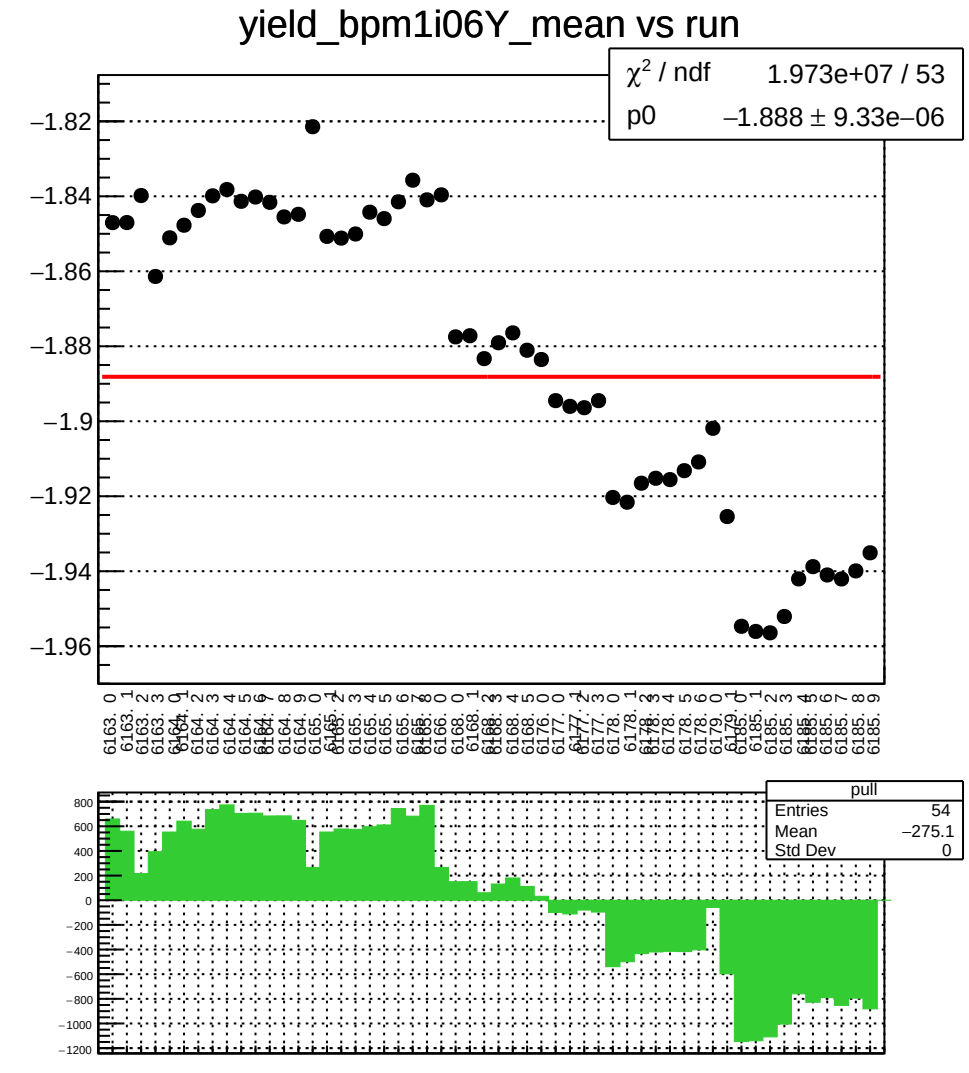

pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

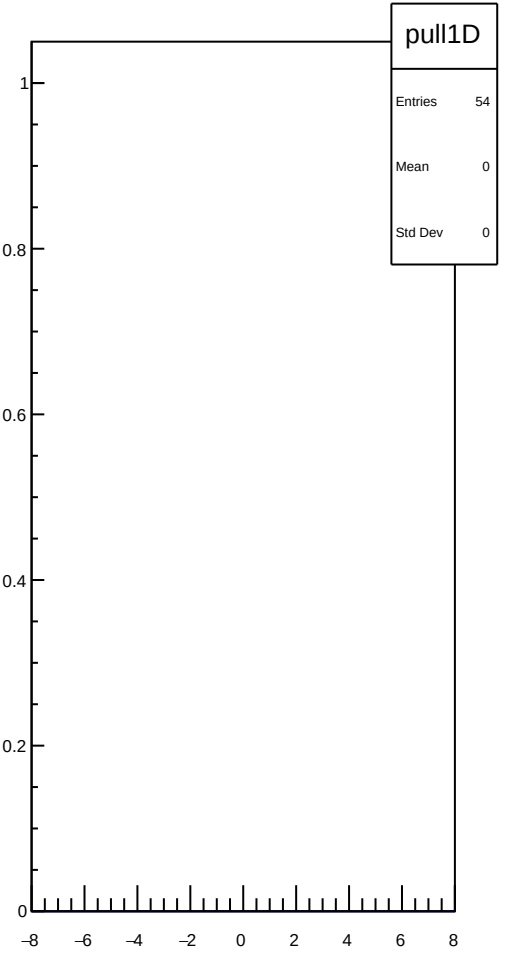

yield_bpm1i04Y_rms vs run
χ² / ndf 3012 / 53
p0 0.00579 ± 5.705e–06
0.0068
0.0066
0.0064
0.0062
0.006
0.0058
0.0056
0.0054
0.0052
0.005
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

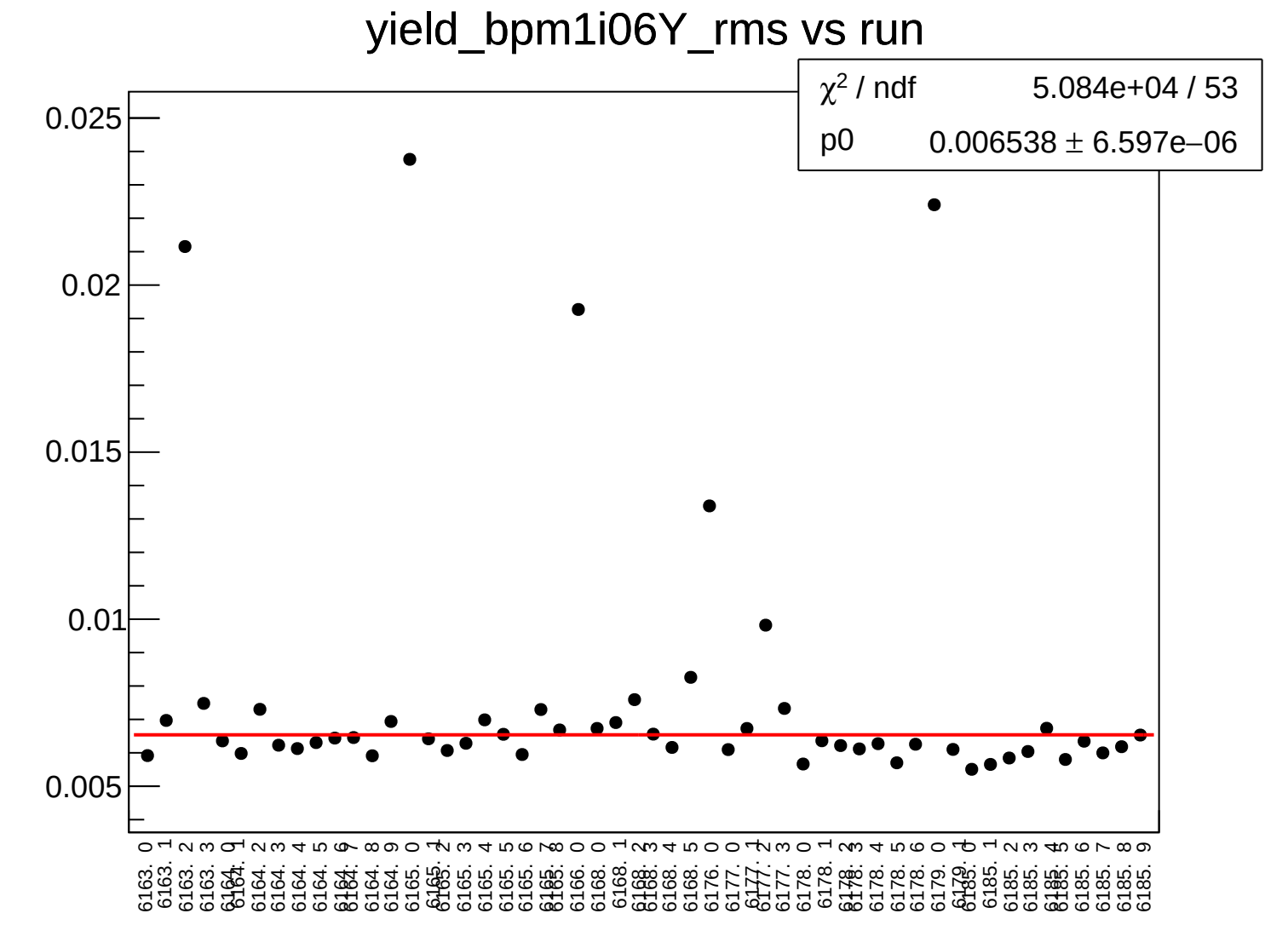

yield_bpm1i06X_mean vs run
χ² / ndf 1.237e+06 / 53
p0 −0.05581 ± 1.921e−05
pull
Entries 54
Mean −518
Std Dev 0

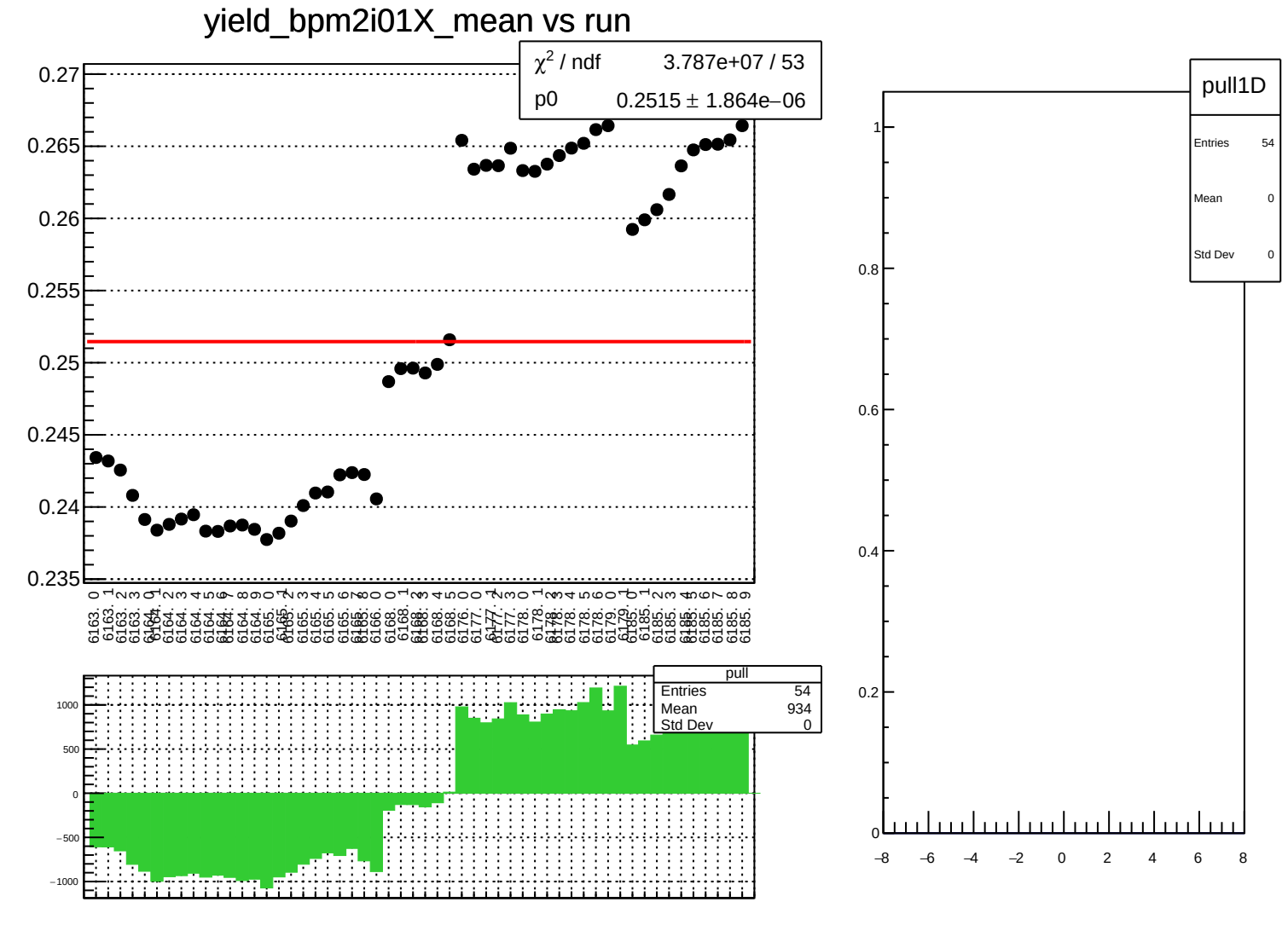

pull1D
Entries 54
Mean −5.329
Std Dev 0

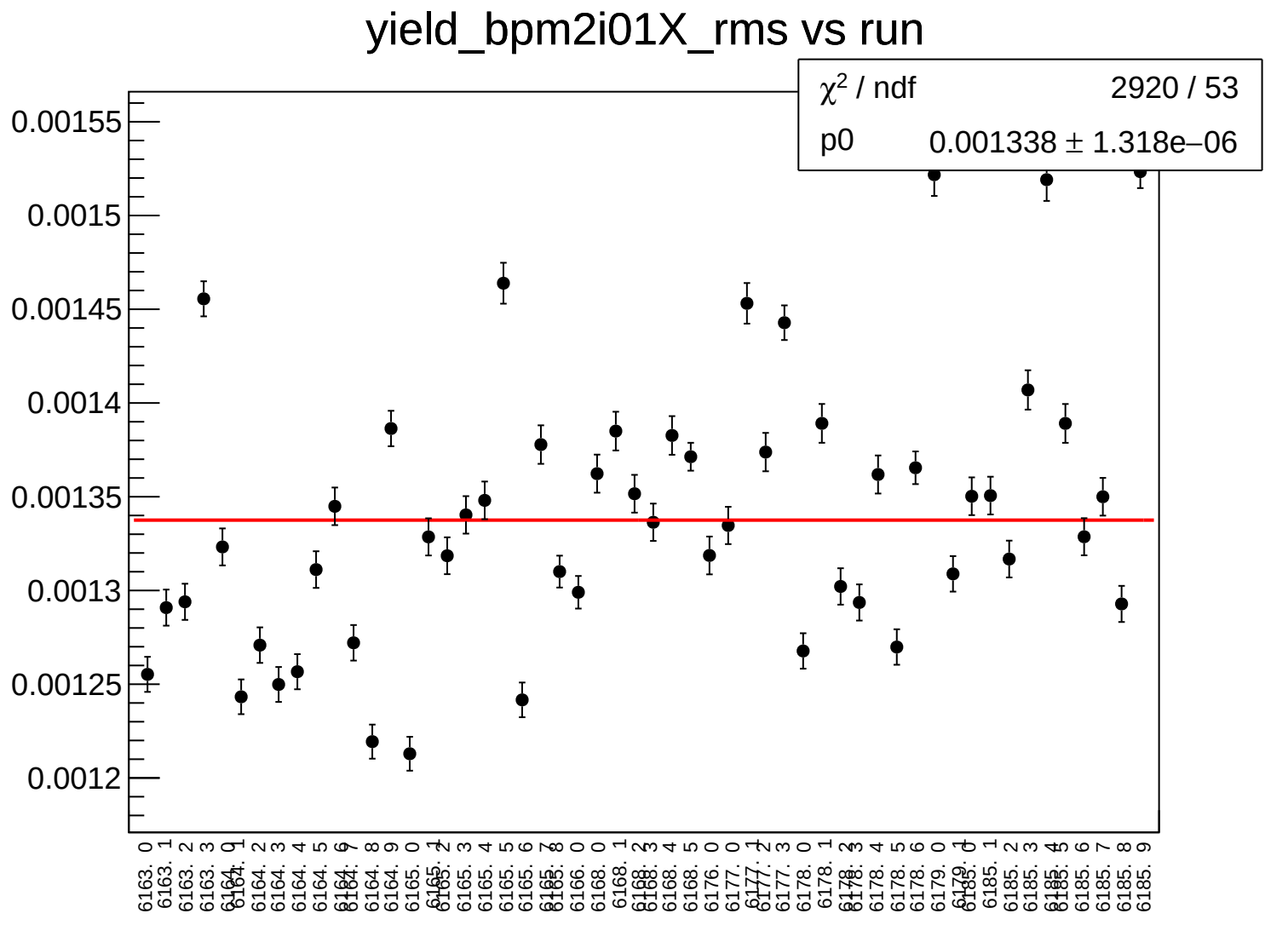

yield_bpm1i06X_rms vs run
χ² / ndf 7435 / 53
p0 0.01376 ± 1.359e–05
0.018
0.017
0.016
0.015
0.014
0.013
0.012
6163. 0
6163. 1
6163. 2
6163. 3
6163. 9
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 6
6164. 7
6164. 8
6164. 9
6165. 0
6165. 1
6165. 2
6165. 3
6165. 4
6165. 5
6165. 6
6165. 7
6165. 8
6166. 0
6168. 0
6168. 1
6168. 2
6168. 3
6168. 4
6168. 5
6176. 0
6177. 0
6177. 1
6177. 2
6177. 3
6178. 0
6178. 1
6178. 2
6178. 3
6178. 4
6178. 5
6178. 6
6179. 0
6179. 1
6185. 0
6185. 1
6185. 2
6185. 3
6185. 4
6185. 5
6185. 6
6185. 7
6185. 8
6185. 9

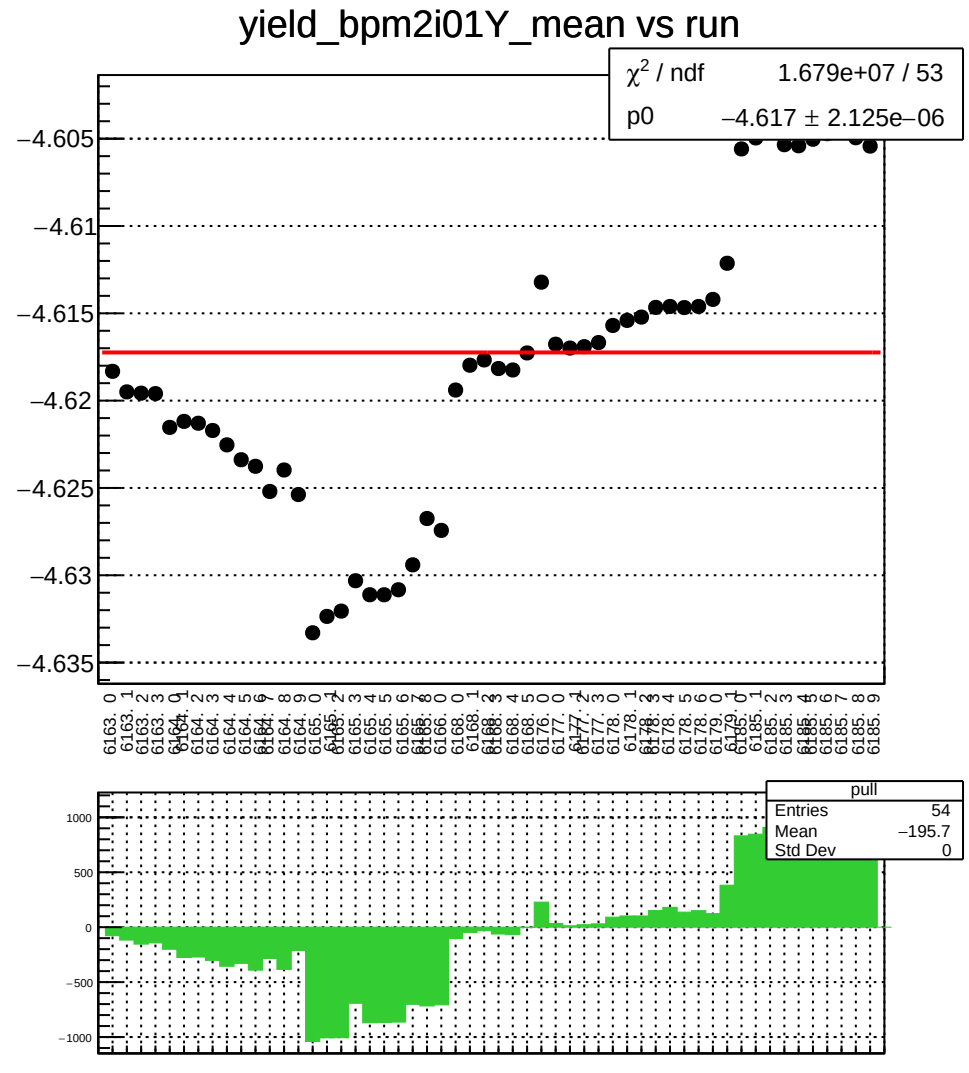

yield_bpm1i06Y_mean vs run
χ² / ndf 1.973e+07 / 53
p0 −1.888 ± 9.33e−06
−1.82
−1.84
−1.86
−1.88
−1.9
−1.92
−1.94
−1.96
pull
Entries 54
Mean −275.1
Std Dev 0
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200

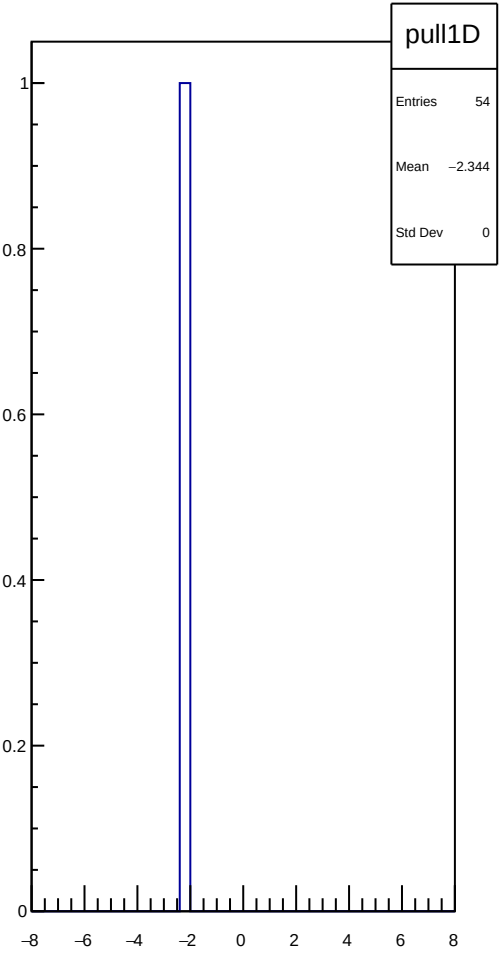

pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

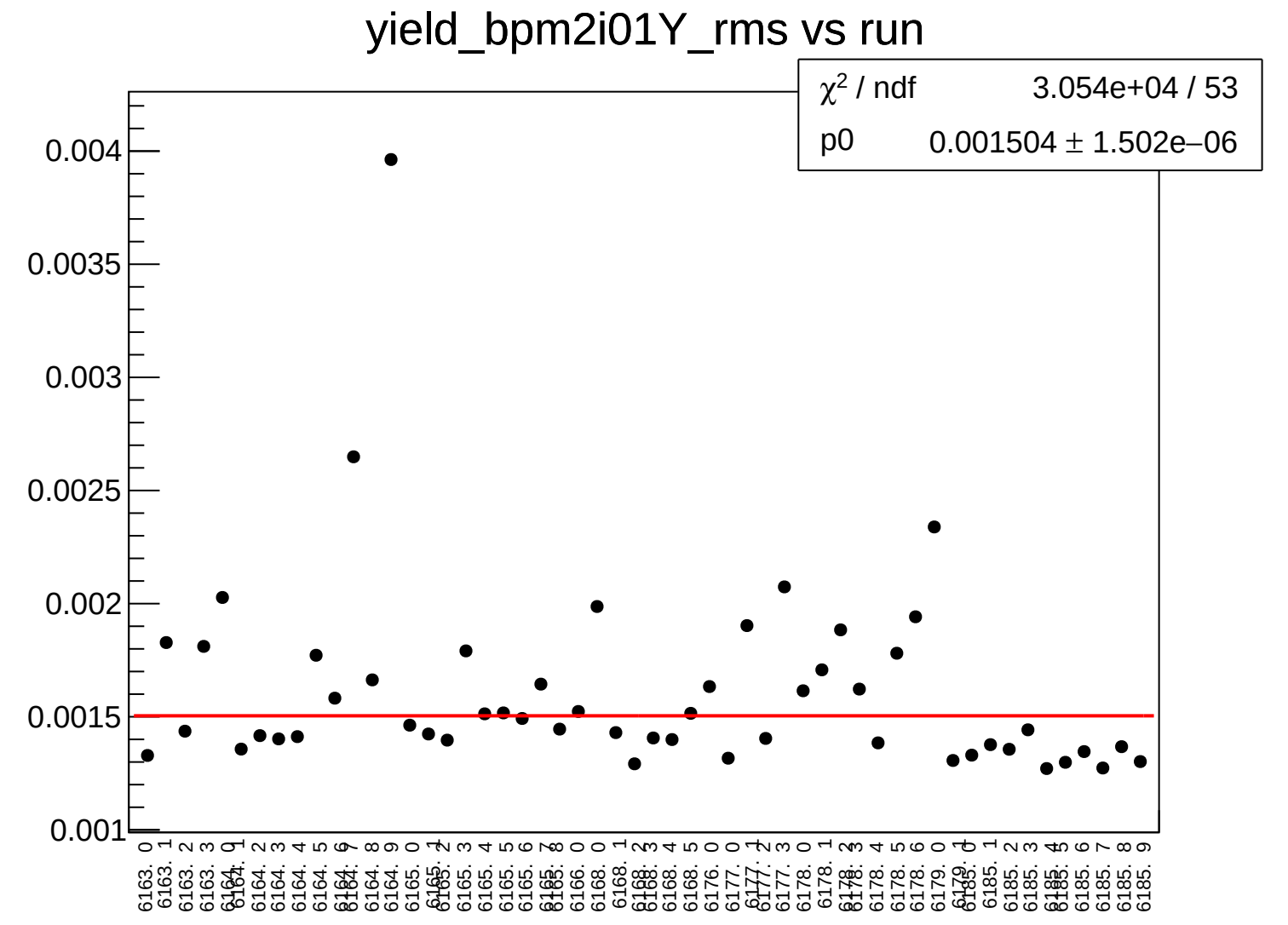

yield_bpm1i06Y_rms vs run
χ² / ndf 5.084e+04 / 53
p0 0.006538 ± 6.597e−06
0.025
0.02
0.015
0.01
0.005

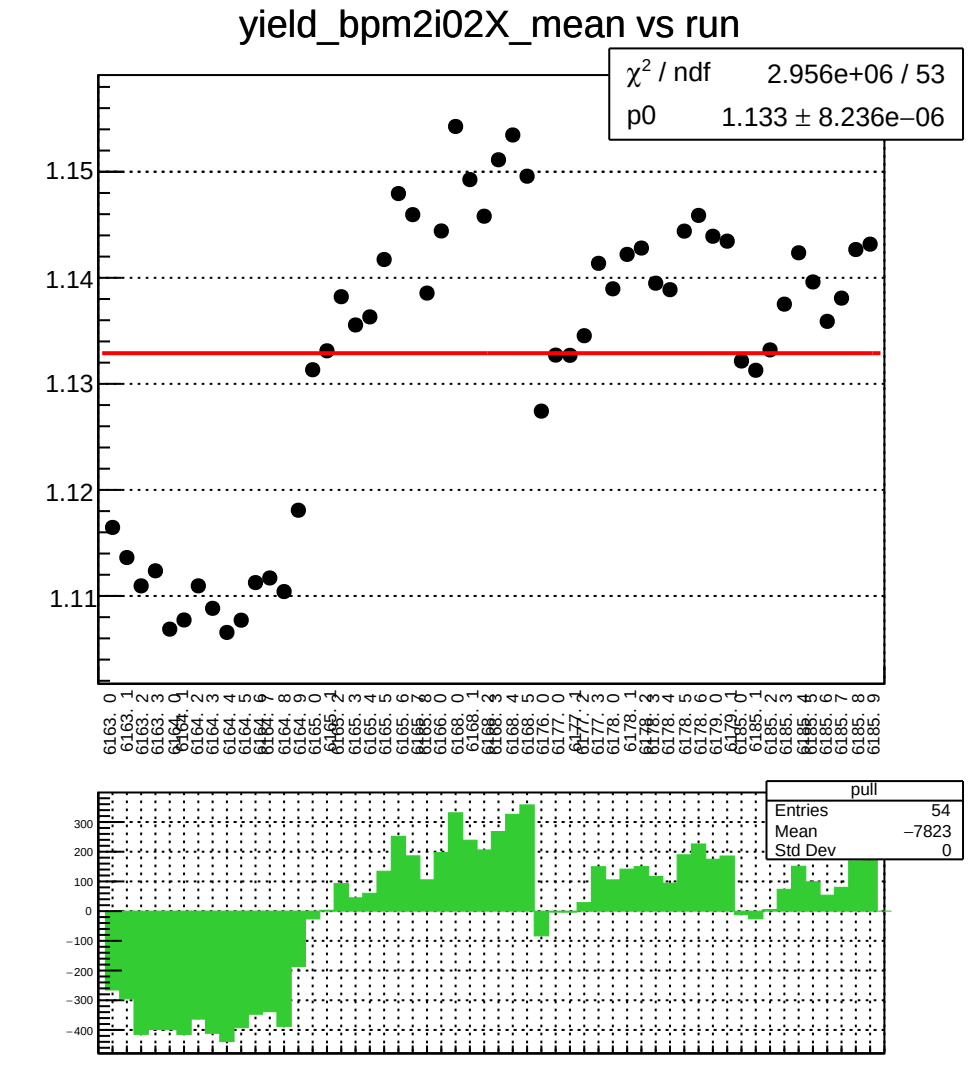

yield_bpm2i01X_mean vs run
χ² / ndf 3.787e+07 / 53
p0 0.2515 ± 1.864e−06
pull
Entries 54
Mean 934
Std Dev 0
pull1D
Entries 54
Mean 0
Std Dev 0

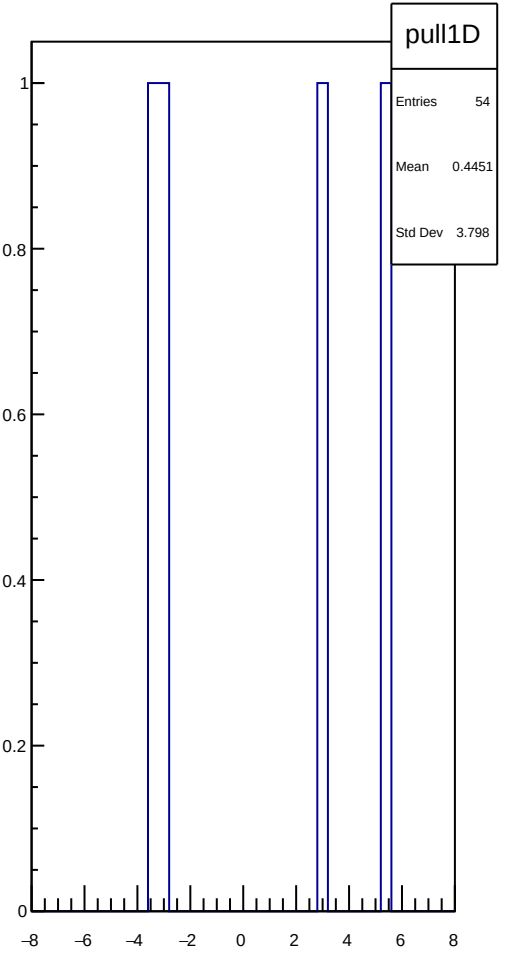

yield_bpm2i01X_rms vs run
χ² / ndf 2920 / 53
p0 0.001338 ± 1.318e−06
0.00155
0.0015
0.00145
0.0014
0.00135
0.0013
0.00125
0.0012
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

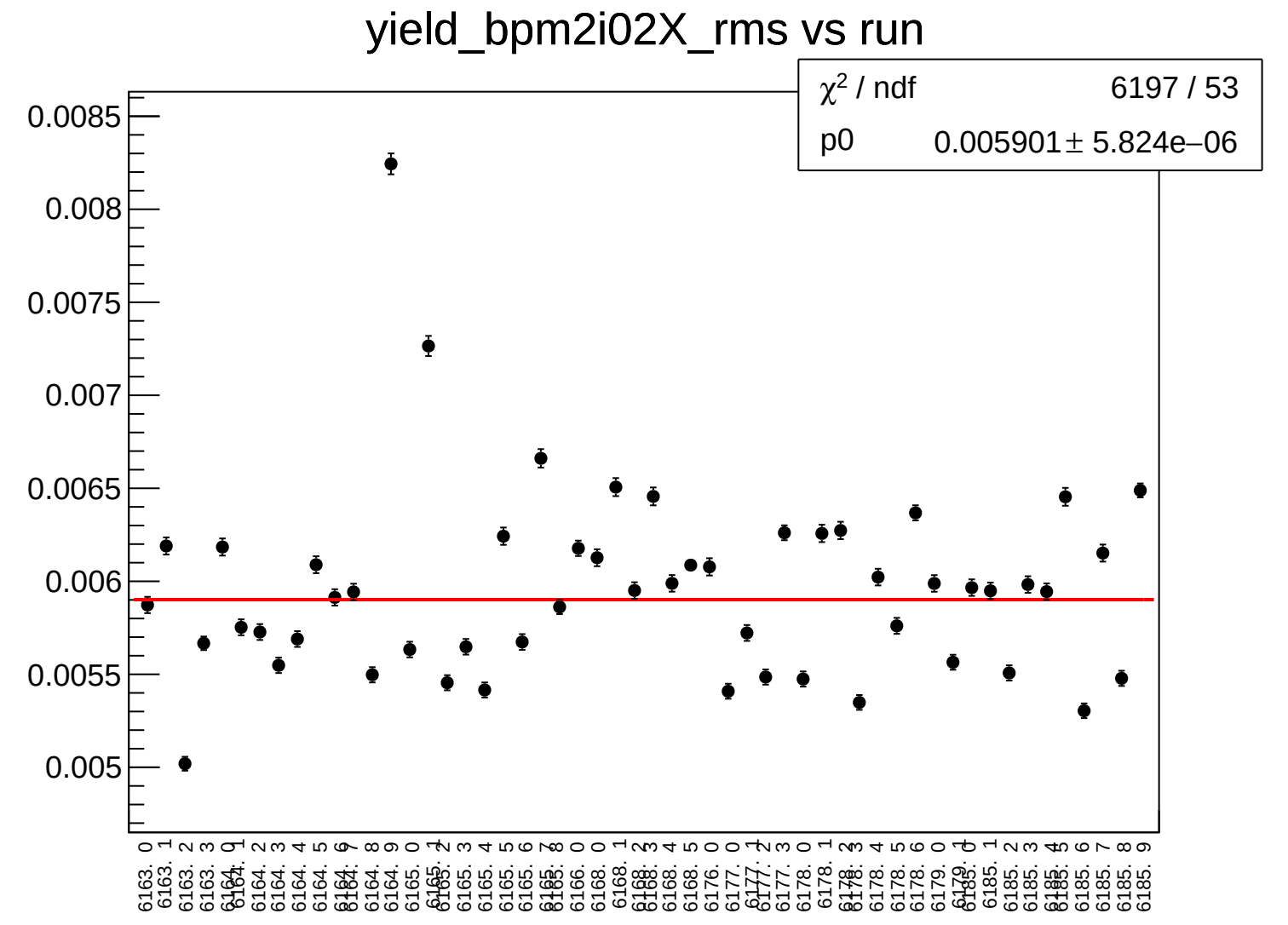

yield_bpm2i01Y_mean vs run
χ² / ndf 1.679e+07 / 53
p0 −4.617 ± 2.125e−06
−4.605
−4.61
−4.615
−4.62
−4.625
−4.63
−4.635
pull
Entries 54
Mean −195.7
Std Dev 0
1000
500
0
−500
−1000

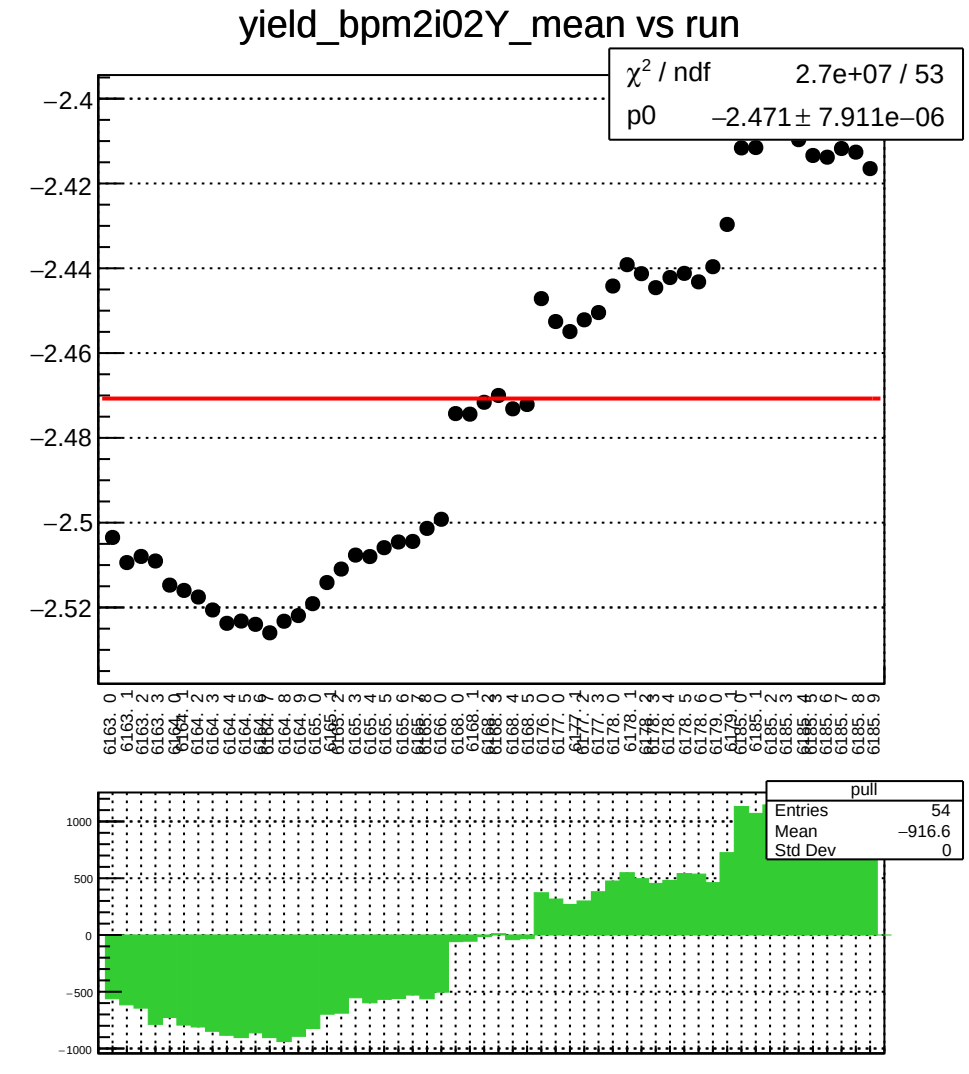

pull1D
Entries 54
Mean −2.344
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

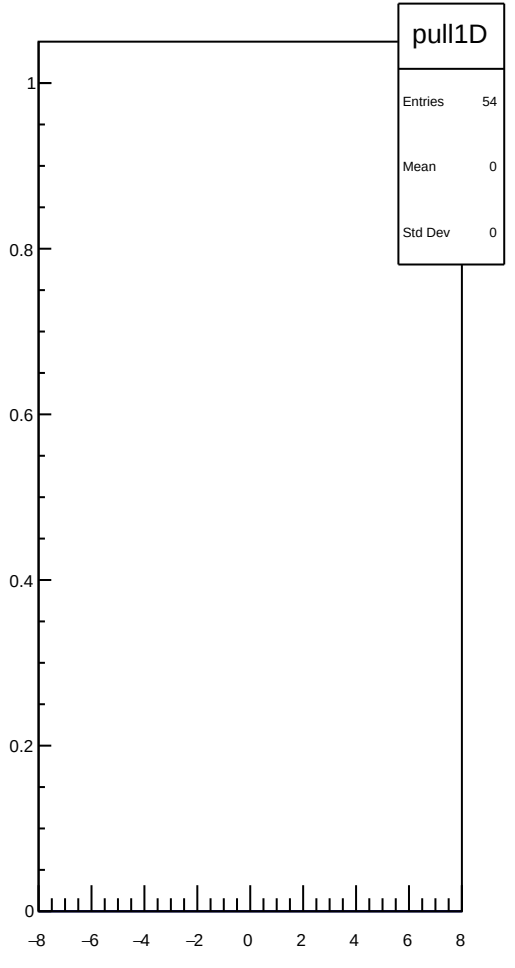

yield_bpm2i01Y_rms vs run
χ² / ndf 3.054e+04 / 53
p0 0.001504 ± 1.502e−06
0.004
0.0035
0.003
0.0025
0.002
0.0015
0.001
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

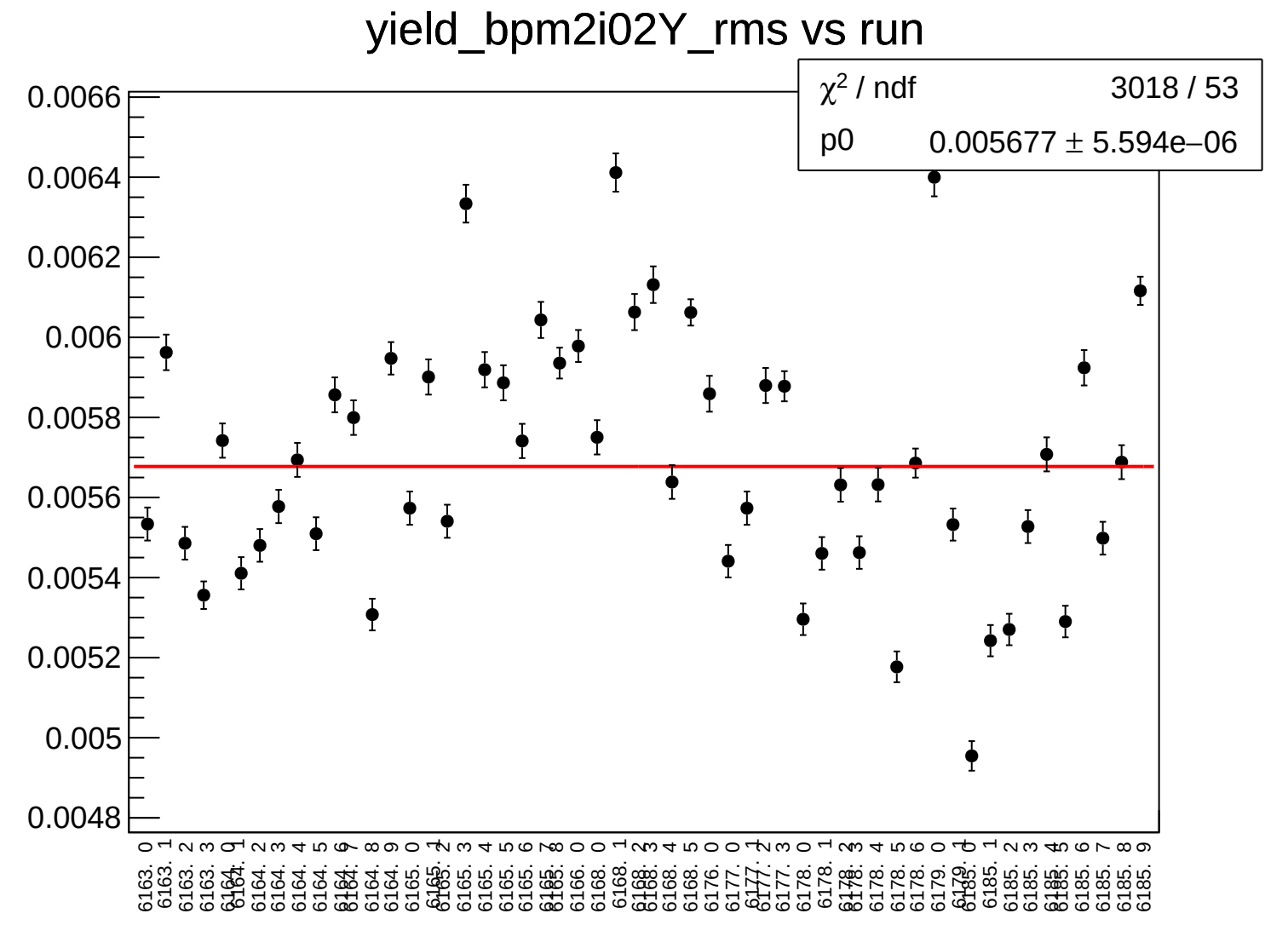

yield_bpm2i02X_mean vs run
χ² / ndf 2.956e+06 / 53
p0 1.133 ± 8.236e−06
1.15
1.14
1.13
1.12
1.11
pull
Entries 54
Mean −7823
Std Dev 0
300
200
100
0
−100
−200
−300
−400

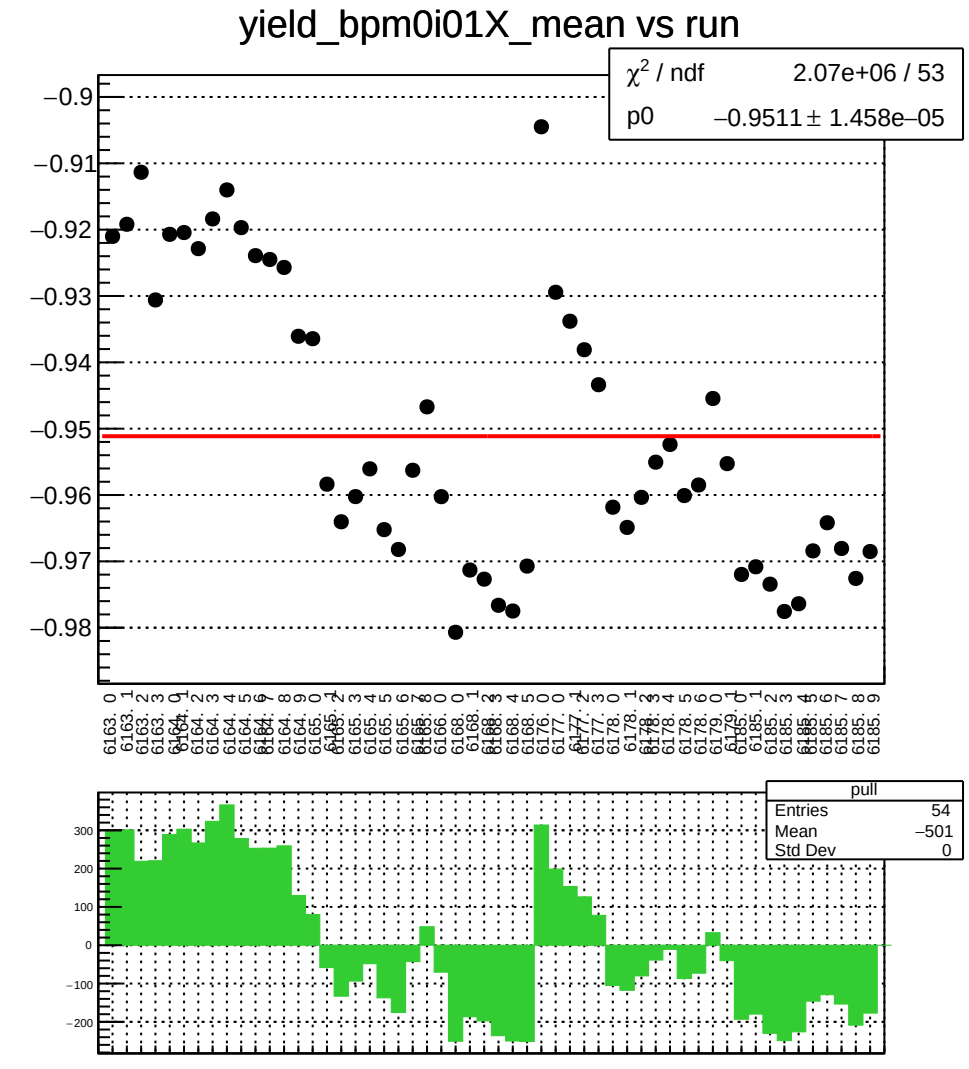

pull1D
Entries 54
Mean 0.4451
Std Dev 3.798
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

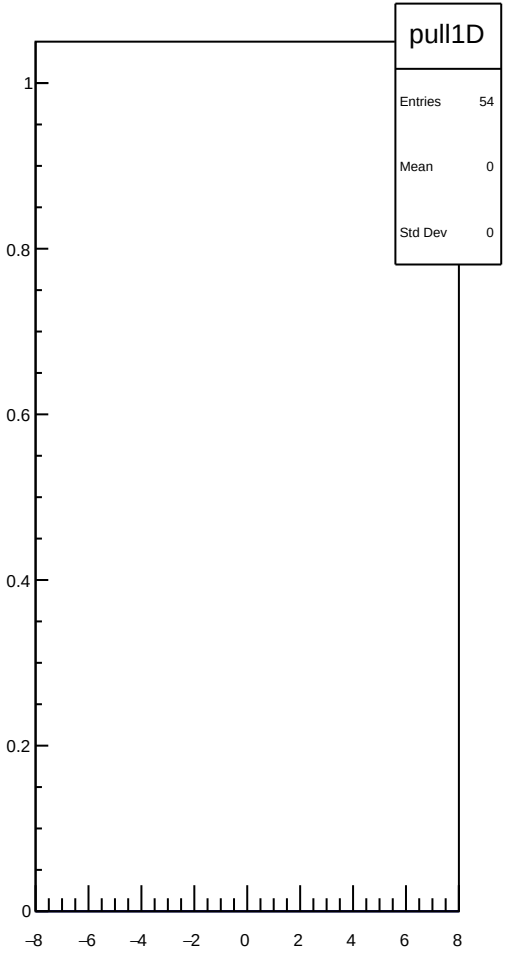

yield_bpm2i02X_rms vs run
χ² / ndf 6197 / 53
p0 0.005901 ± 5.824e−06
0.0085
0.008
0.0075
0.007
0.0065
0.006
0.0055
0.005
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

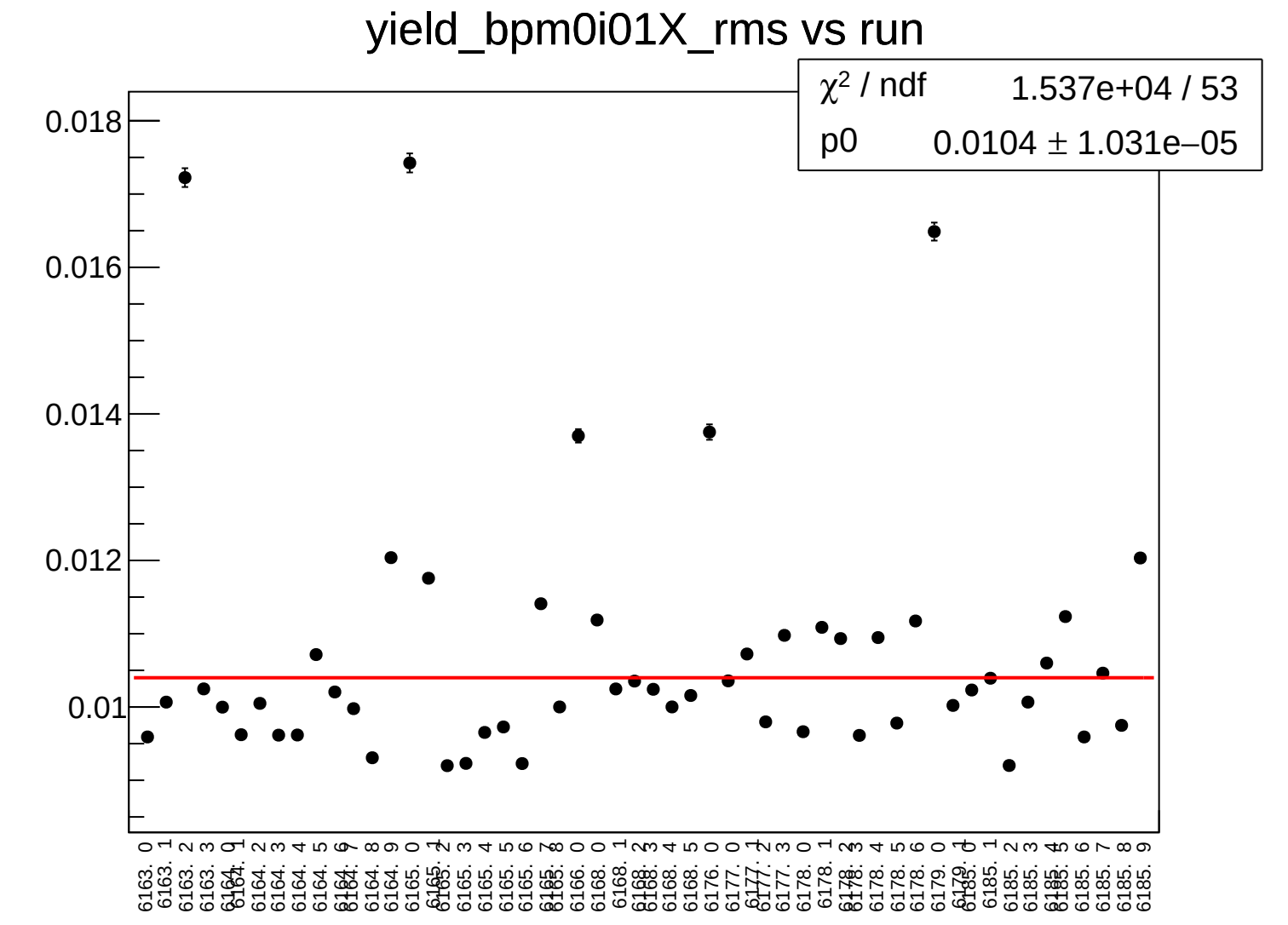

yield_bpm2i02Y_mean vs run
χ² / ndf 2.7e+07 / 53
p0 −2.471 ± 7.911e−06
−2.4
−2.42
−2.44
−2.46
−2.48
−2.5
−2.52
pull
Entries 54
Mean −916.6
Std Dev 0
1000
500
0
−500
−1000

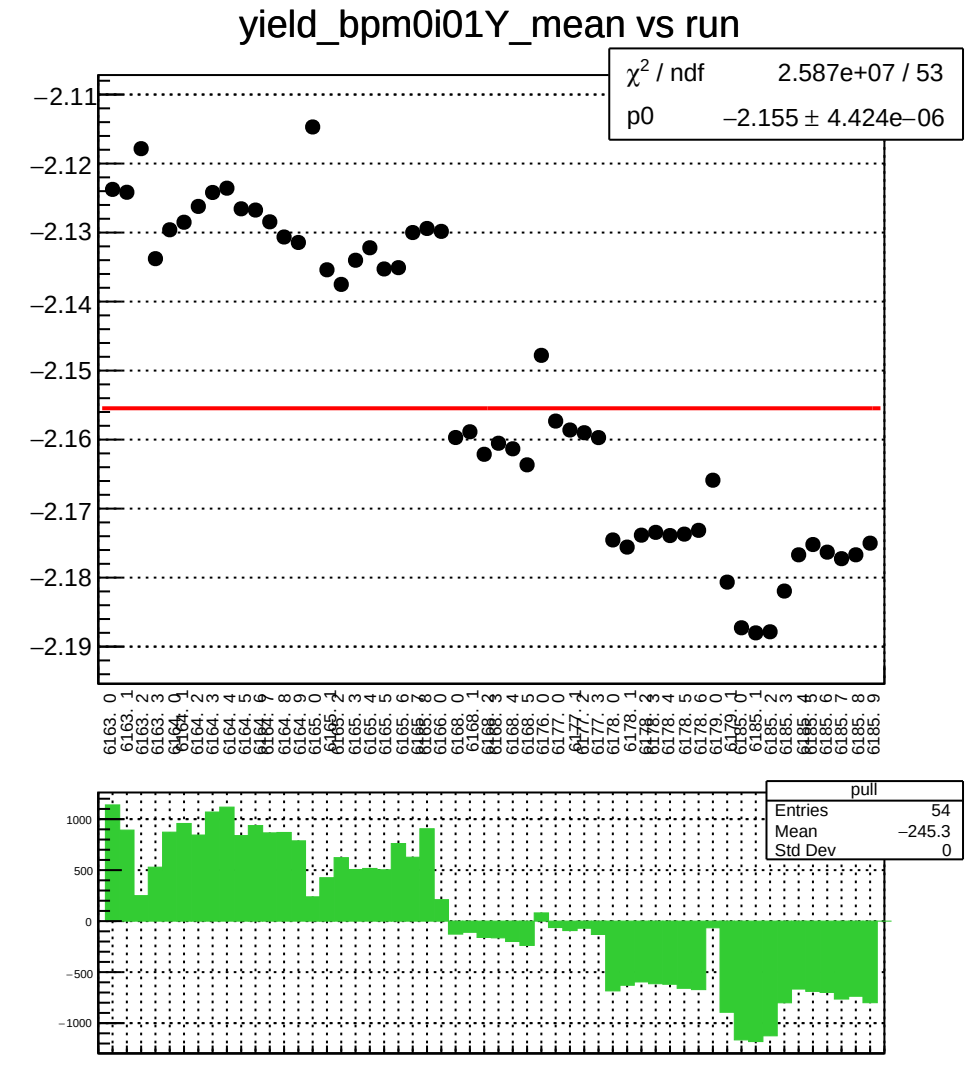

pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

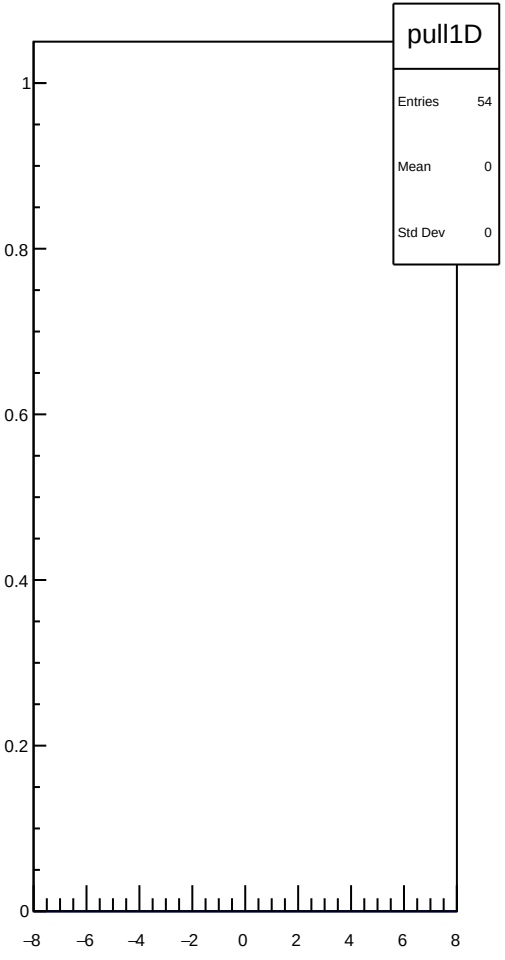

yield_bpm2i02Y_rms vs run
χ² / ndf 3018 / 53
p0 0.005677 ± 5.594e−06
0.0066
0.0064
0.0062
0.006
0.0058
0.0056
0.0054
0.0052
0.005
0.0048
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

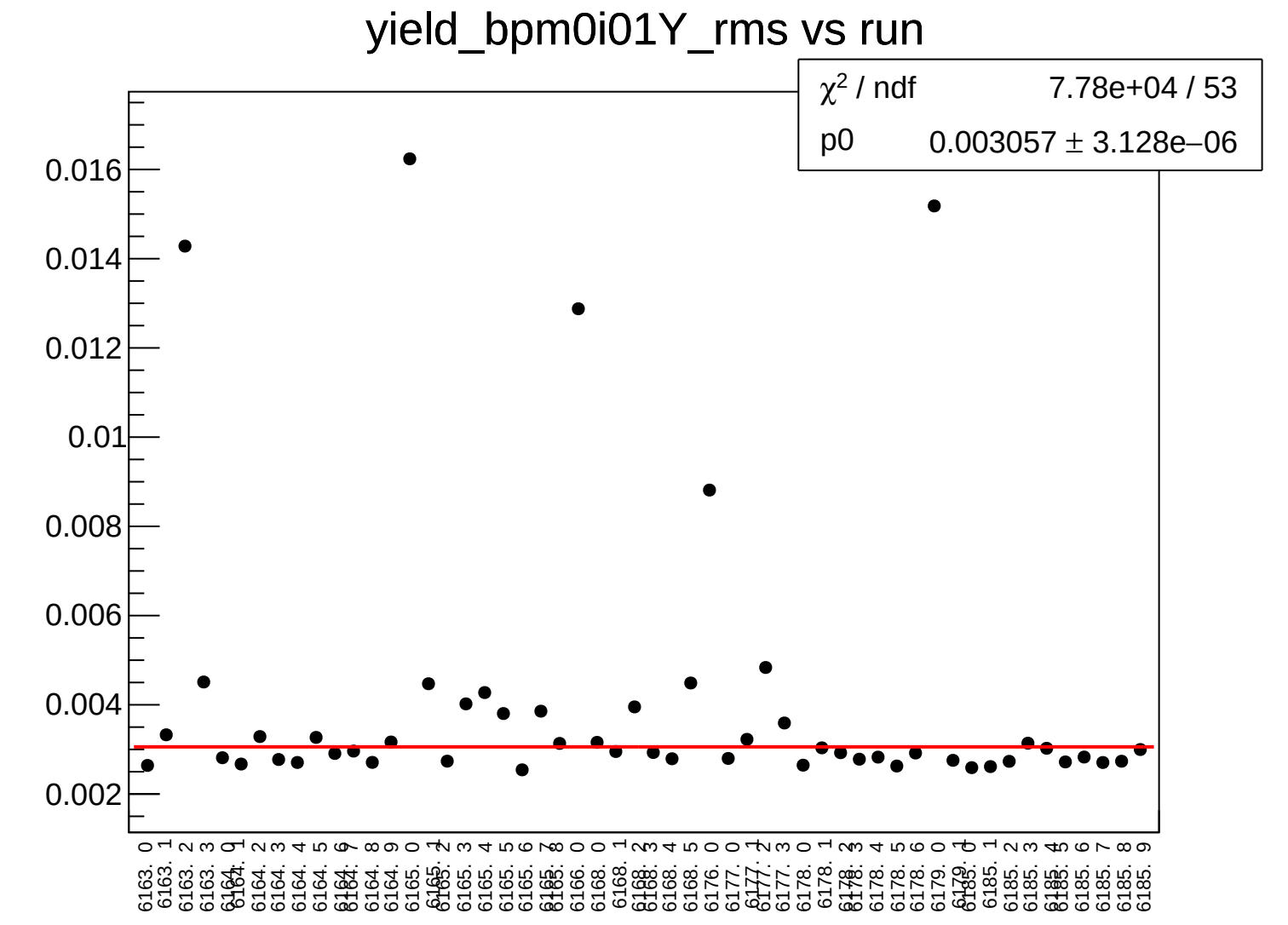

yield_bpm0i01X_mean vs run
χ² / ndf 2.07e+06 / 53
p0 −0.9511 ± 1.458e−05
−0.9
−0.91
−0.92
−0.93
−0.94
−0.95
−0.96
−0.97
−0.98
pull
Entries 54
Mean −501
Std Dev 0
300
200
100
0
−100
−200

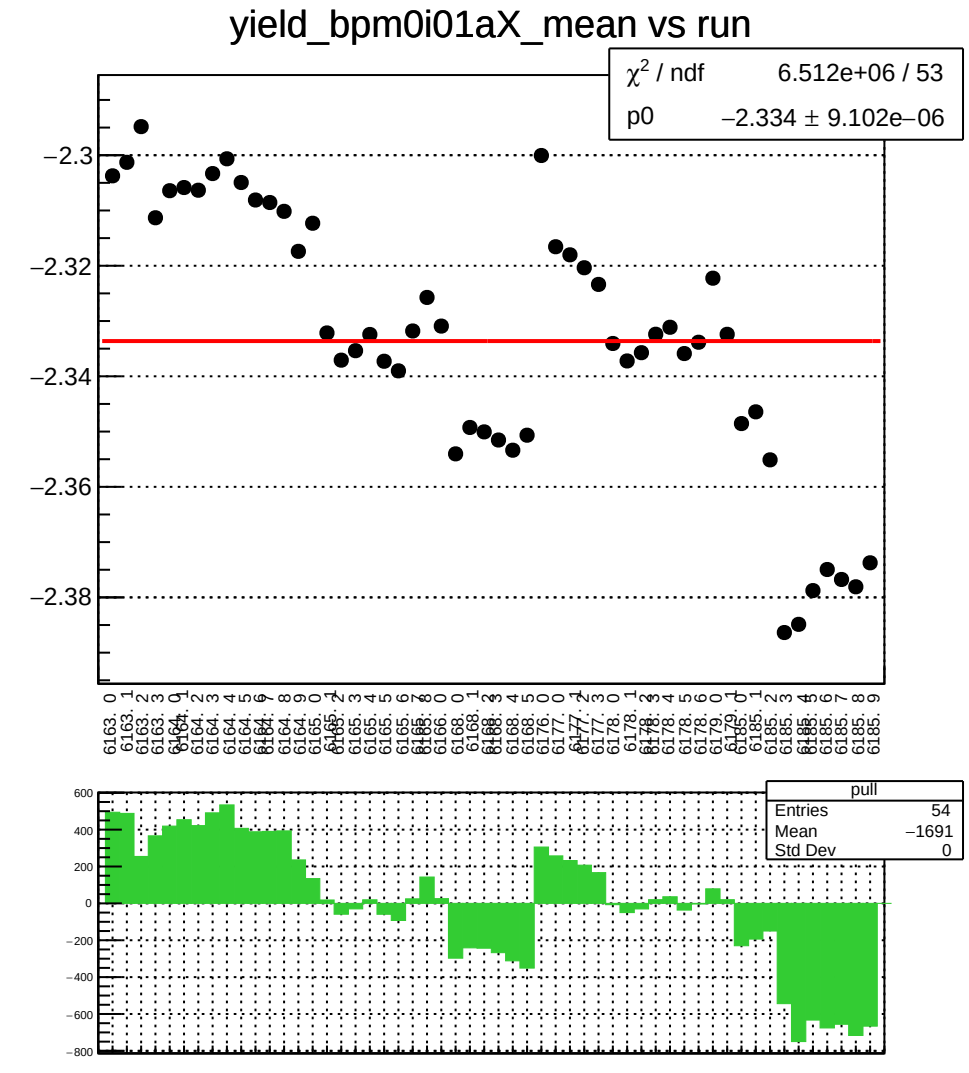

pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

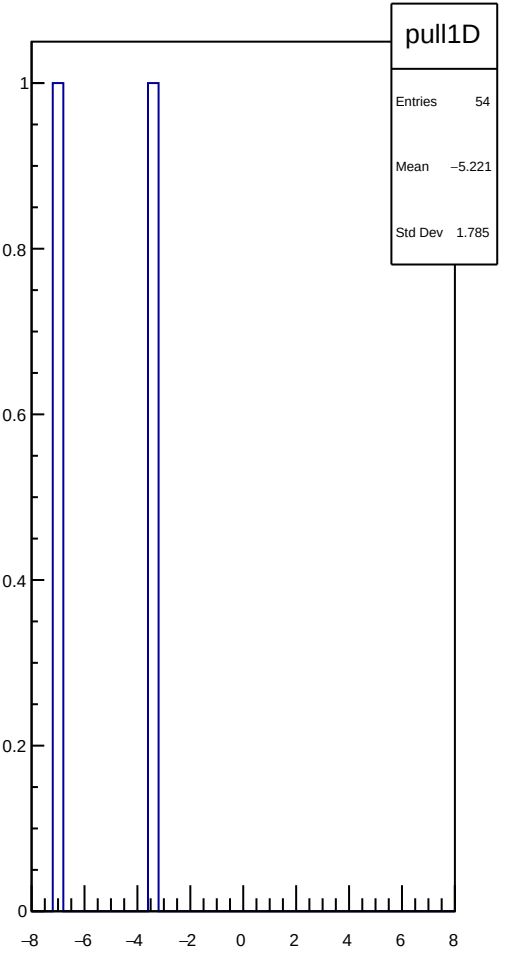

yield_bpm0i01X_rms vs run
χ² / ndf 1.537e+04 / 53
p0 0.0104 ± 1.031e−05
0.018
0.016
0.014
0.012
0.01
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

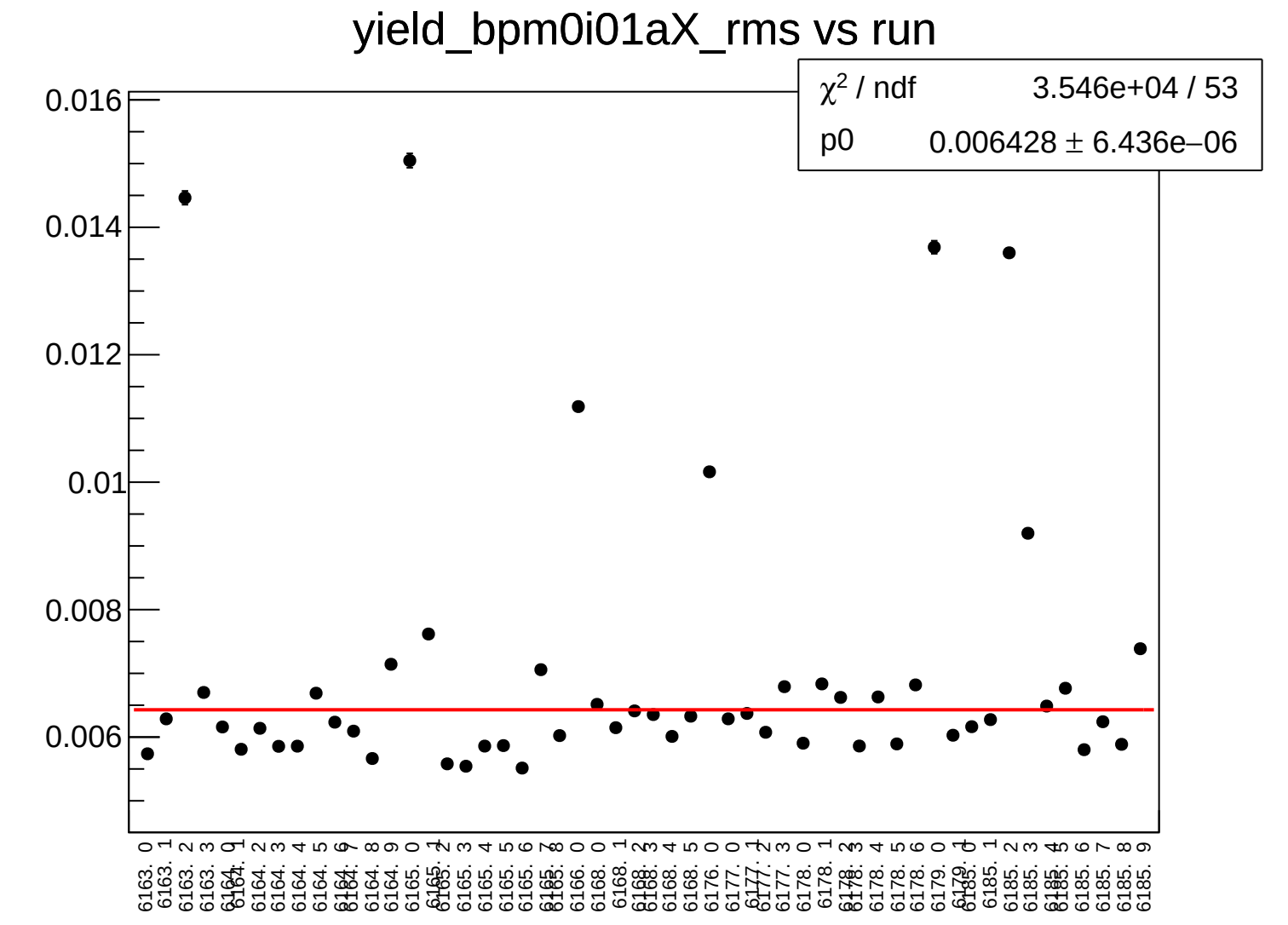

yield_bpm0i01Y_mean vs run
χ² / ndf 2.587e+07 / 53
p0 −2.155 ± 4.424e−06
−2.11
−2.12
−2.13
−2.14
−2.15
−2.16
−2.17
−2.18
−2.19
pull
Entries 54
Mean −245.3
Std Dev 0
1000
500
0
−500
−1000

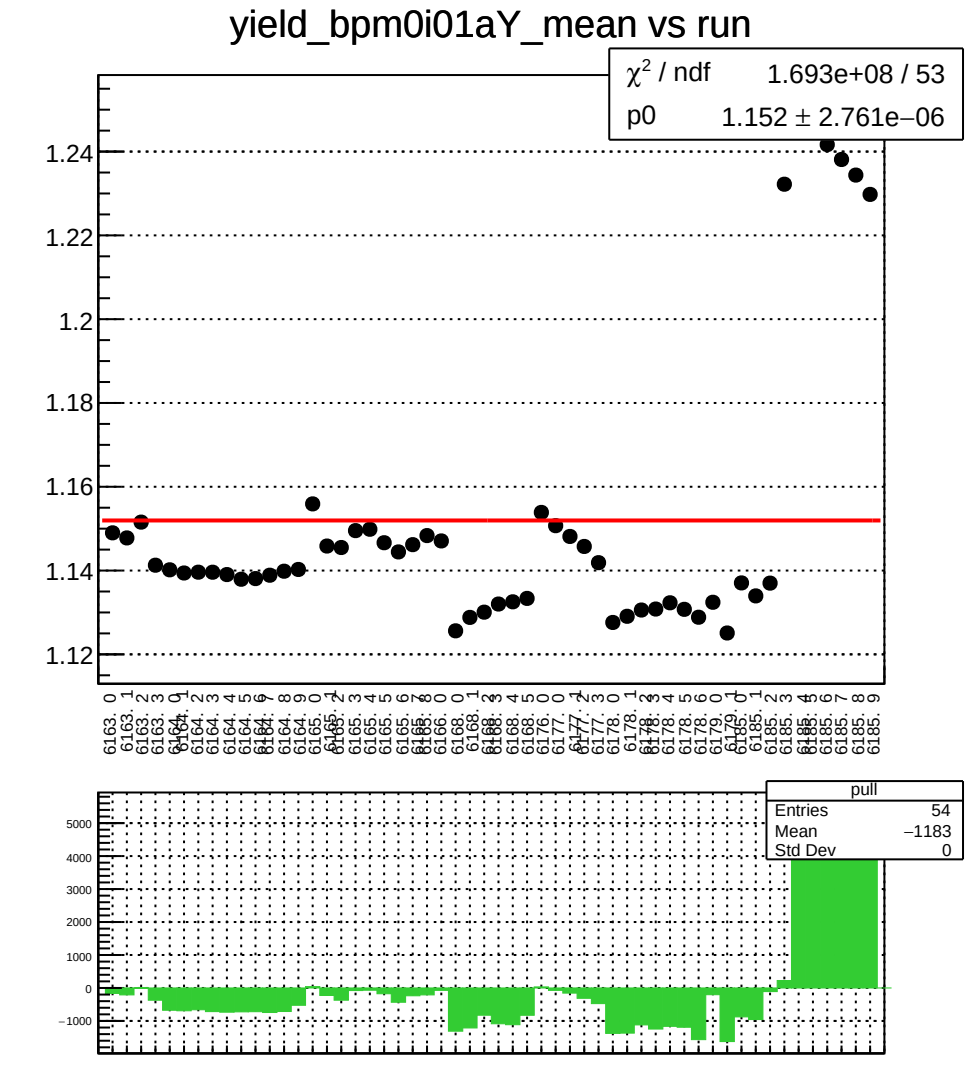

pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

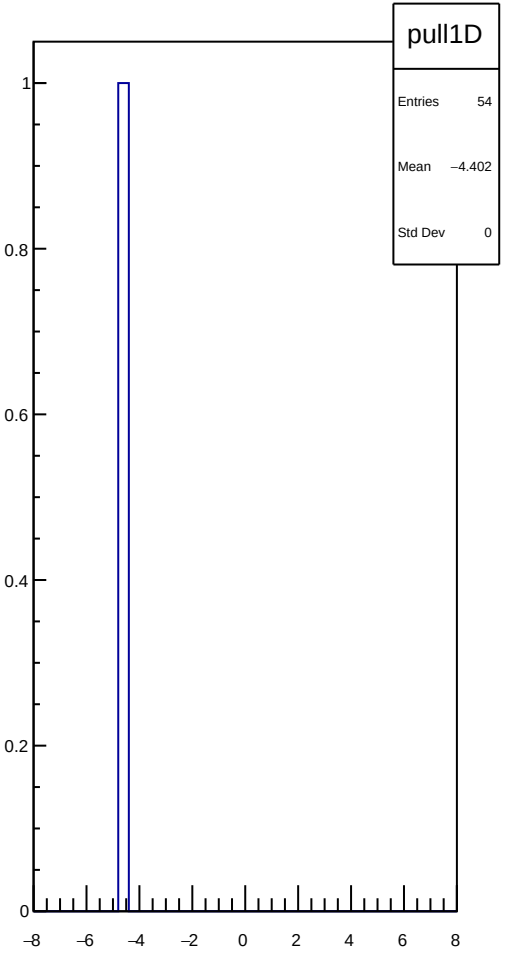

yield_bpm0i01Y_rms vs run
χ² / ndf 7.78e+04 / 53
p0 0.003057 ± 3.128e−06
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

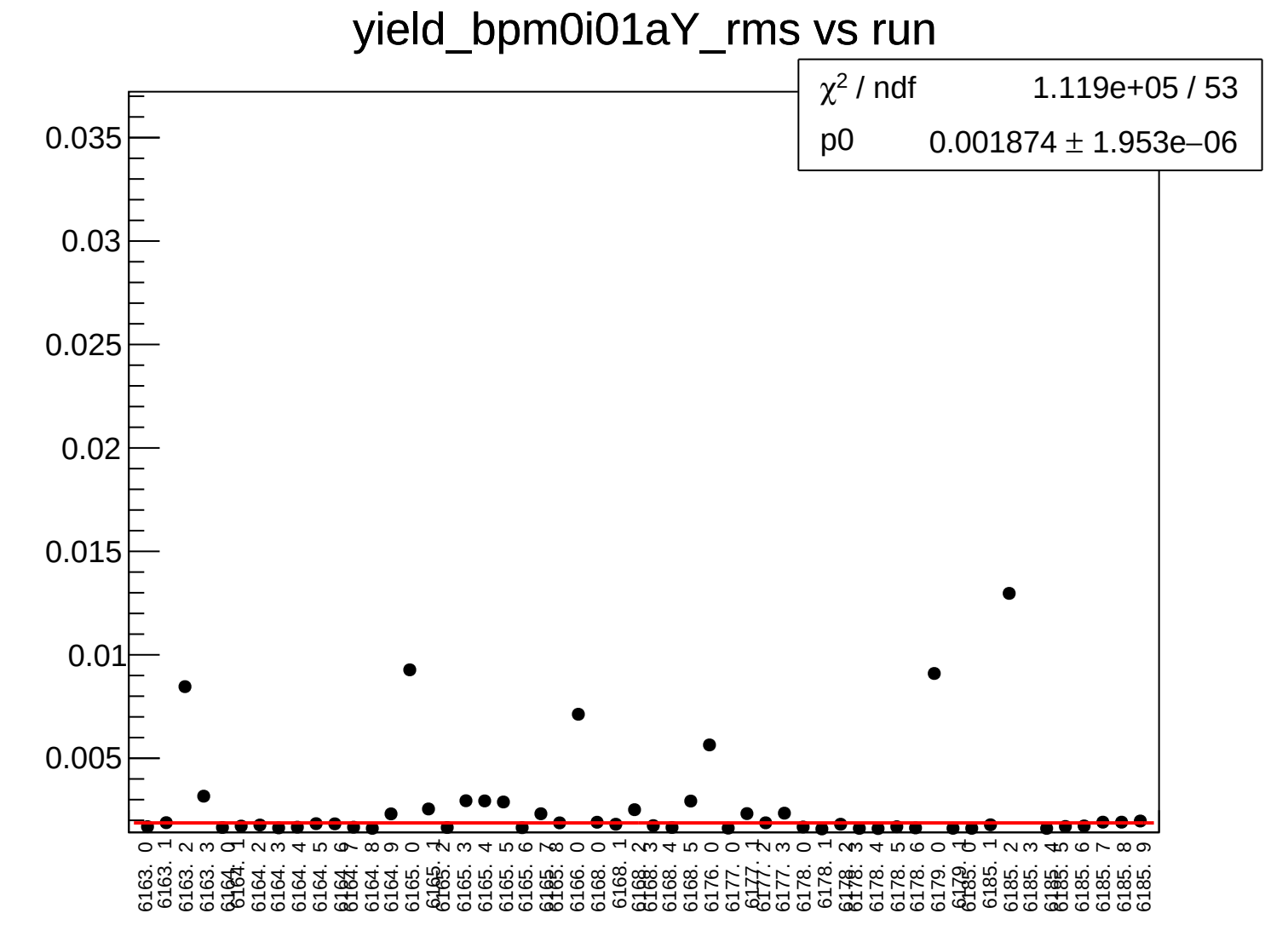

yield_bpm0i01aX_mean vs run
χ² / ndf 6.512e+06 / 53
p0 −2.334 ± 9.102e−06
−2.3
−2.32
−2.34
−2.36
−2.38
pull
Entries 54
Mean −1691
Std Dev 0
600
400
200
0
−200
−400
−600
−800

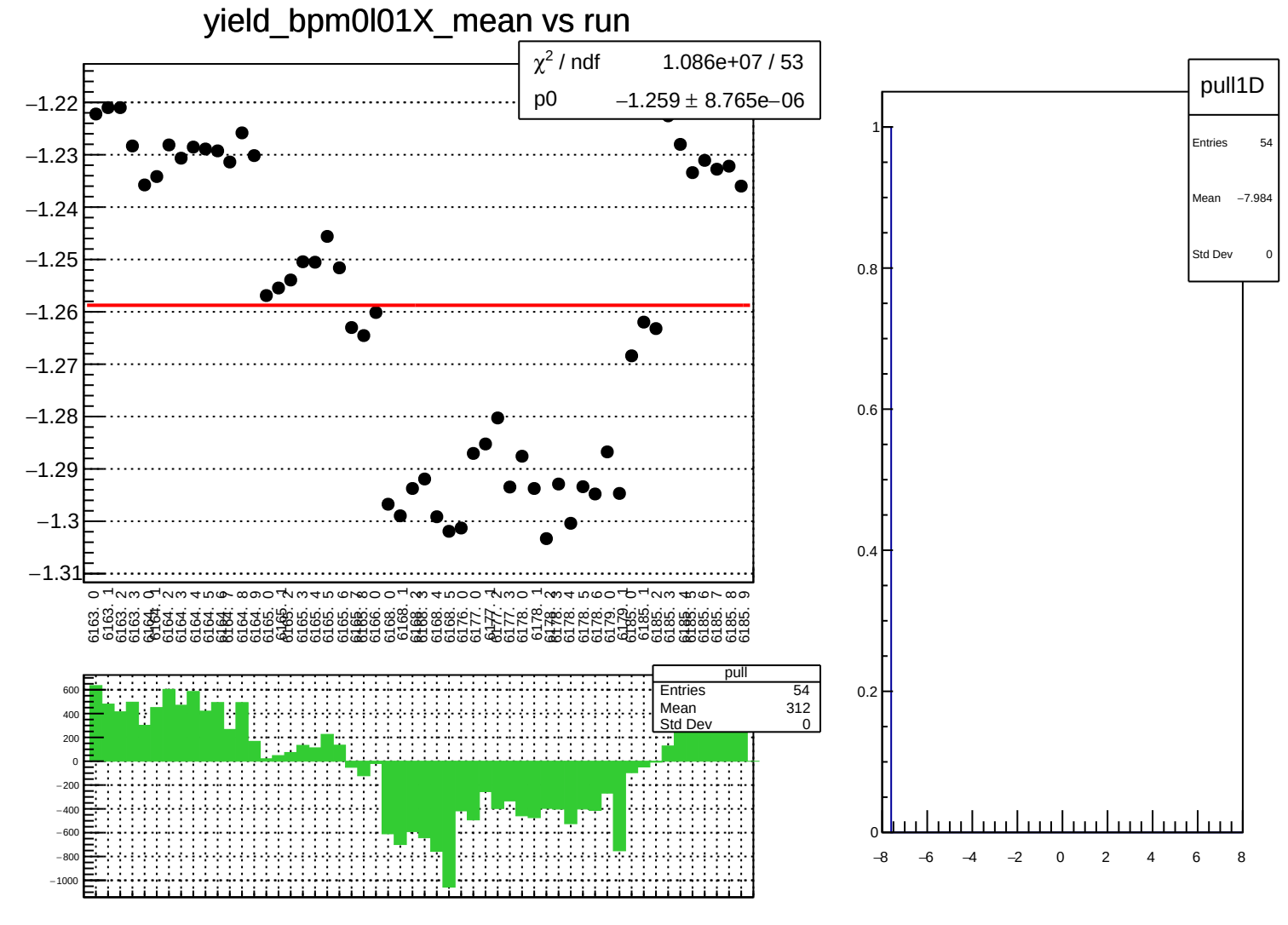

pull1D
Entries 54
Mean −5.221
Std Dev 1.785
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

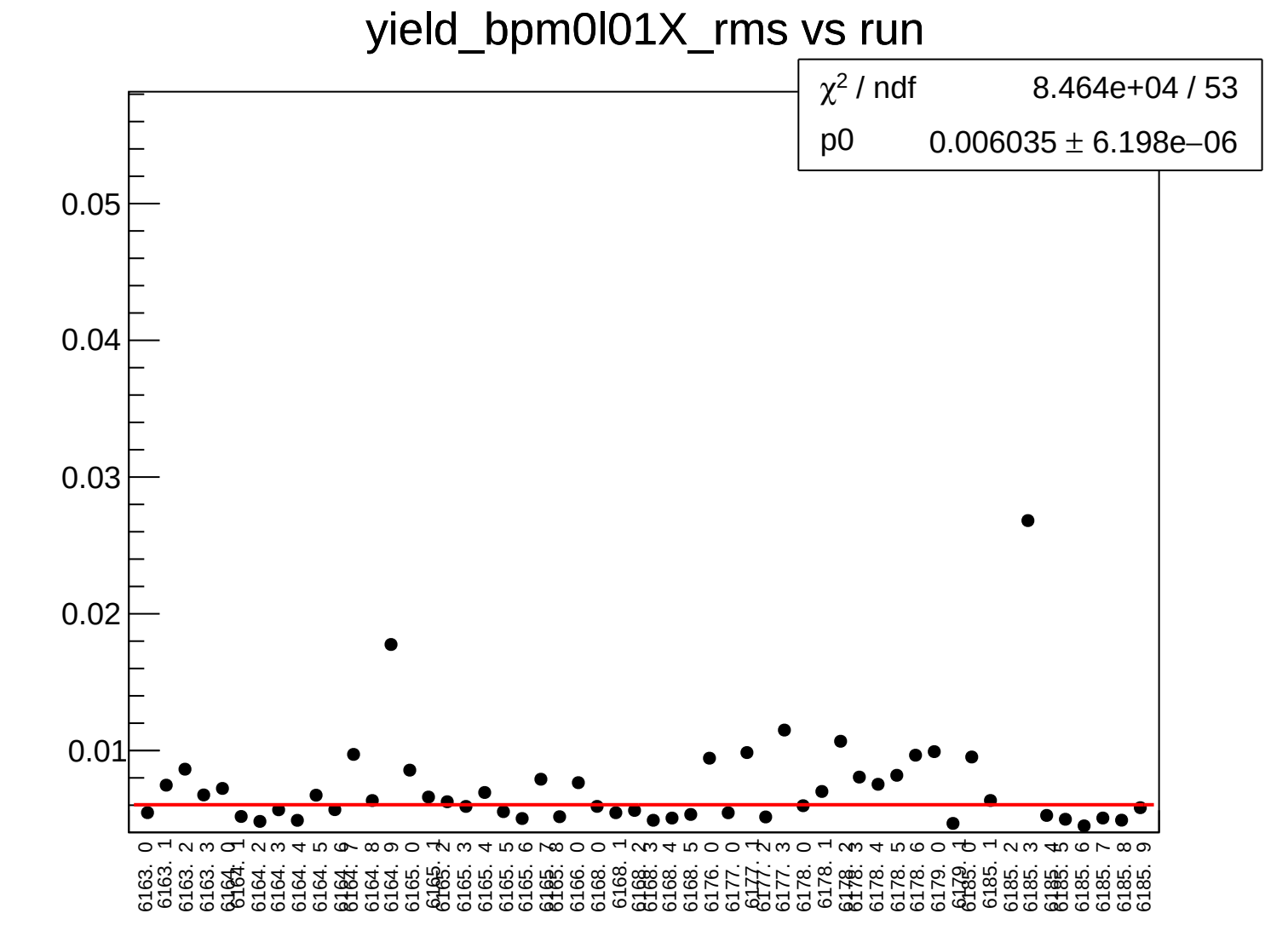

yield_bpm0i01aX_rms vs run
χ² / ndf 3.546e+04 / 53
p0 0.006428 ± 6.436e−06
0.016
0.014
0.012
0.01
0.008
0.006
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

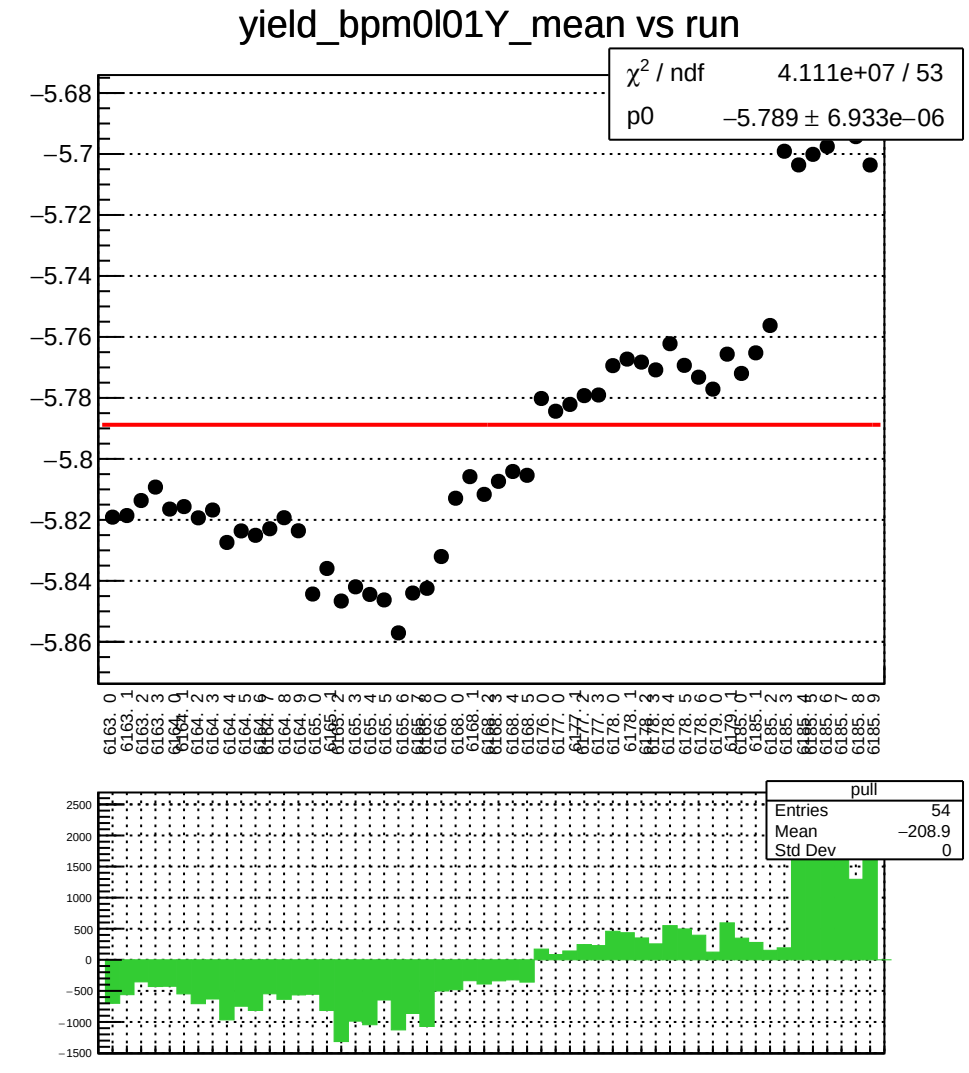

yield_bpm0i01aY_mean vs run
χ² / ndf 1.693e+08 / 53
p0 1.152 ± 2.761e−06
1.24
1.22
1.2
1.18
1.16
1.14
1.12
pull
Entries 54
Mean −1183
Std Dev 0
5000
4000
3000
2000
1000
0
−1000

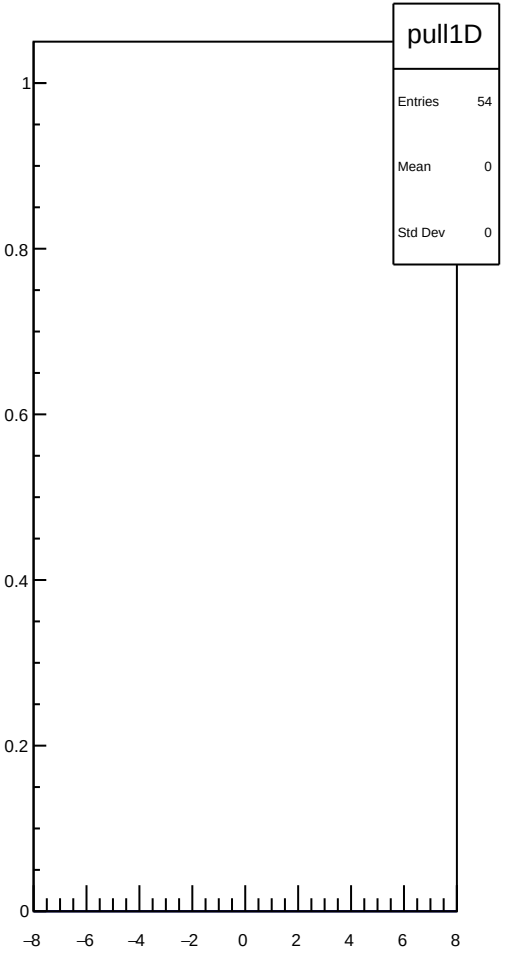

pull1D
Entries 54
Mean −4.402
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

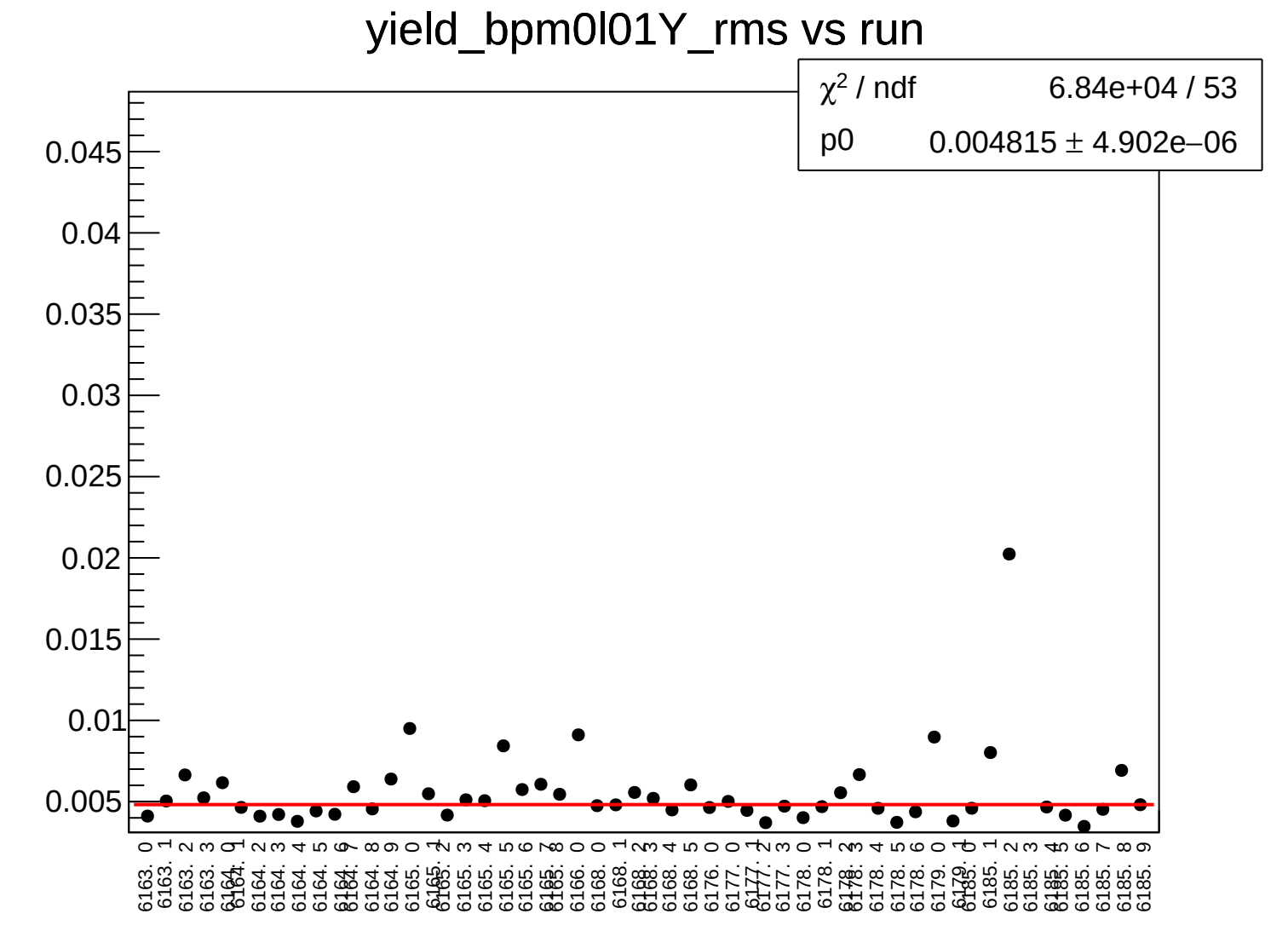

yield_bpm0i01aY_rms vs run
χ² / ndf 1.119e+05 / 53
p0 0.001874 ± 1.953e−06
0.035
0.03
0.025
0.02
0.015
0.01
0.005

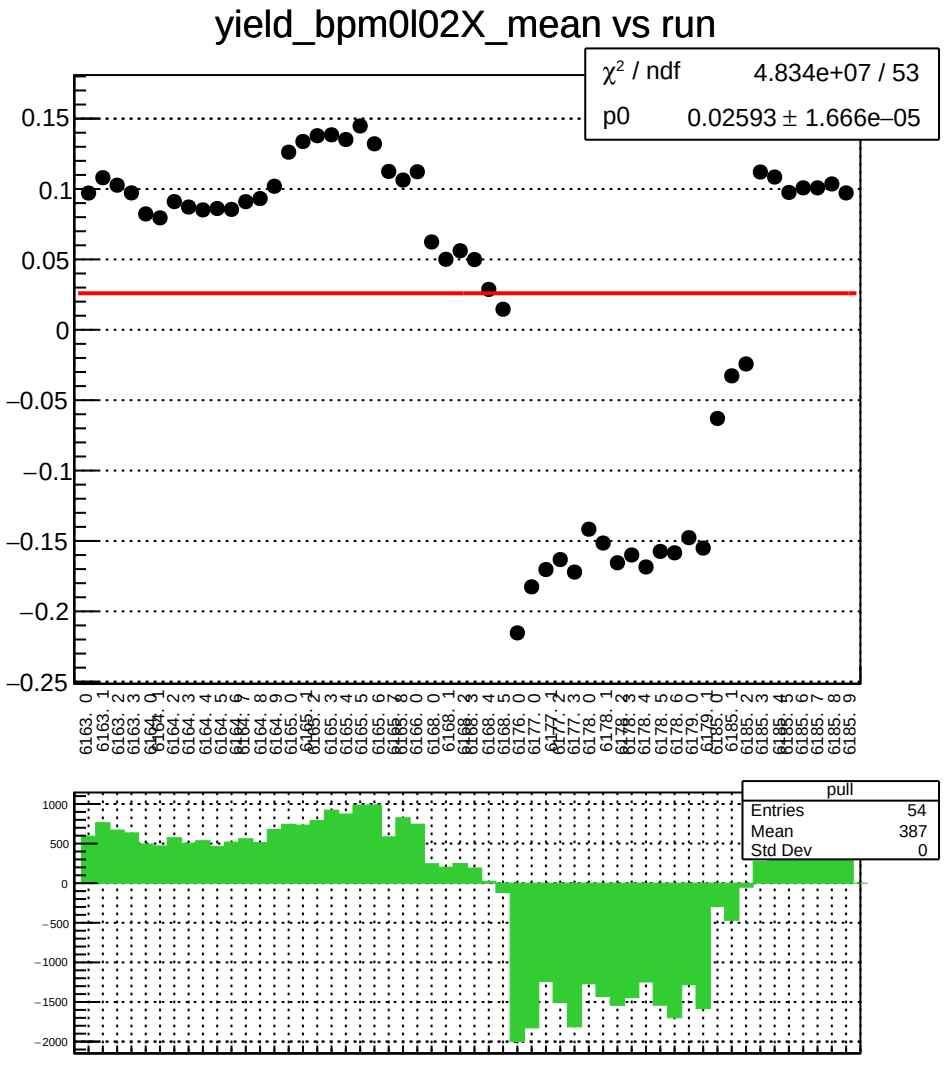

yield_bpm0l01X_mean vs run
χ² / ndf 1.086e+07 / 53
p0 −1.259 ± 8.765e−06
pull
Entries 54
Mean 312
Std Dev 0
pull1D
Entries 54
Mean −7.984
Std Dev 0

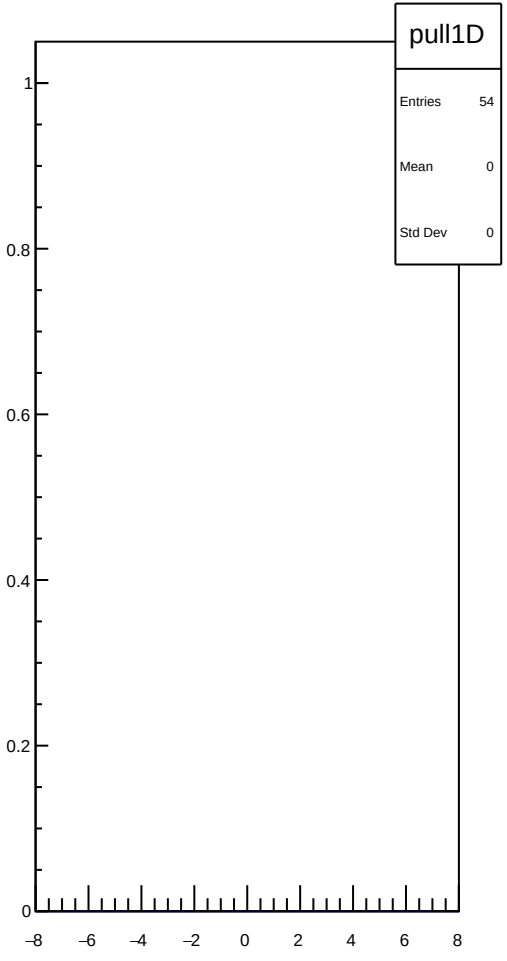

yield_bpm0l01X_rms vs run
χ^2 / ndf 8.464e+04 / 53
p0 0.006035 ± 6.198e−06
0.05
0.04
0.03
0.02
0.01
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

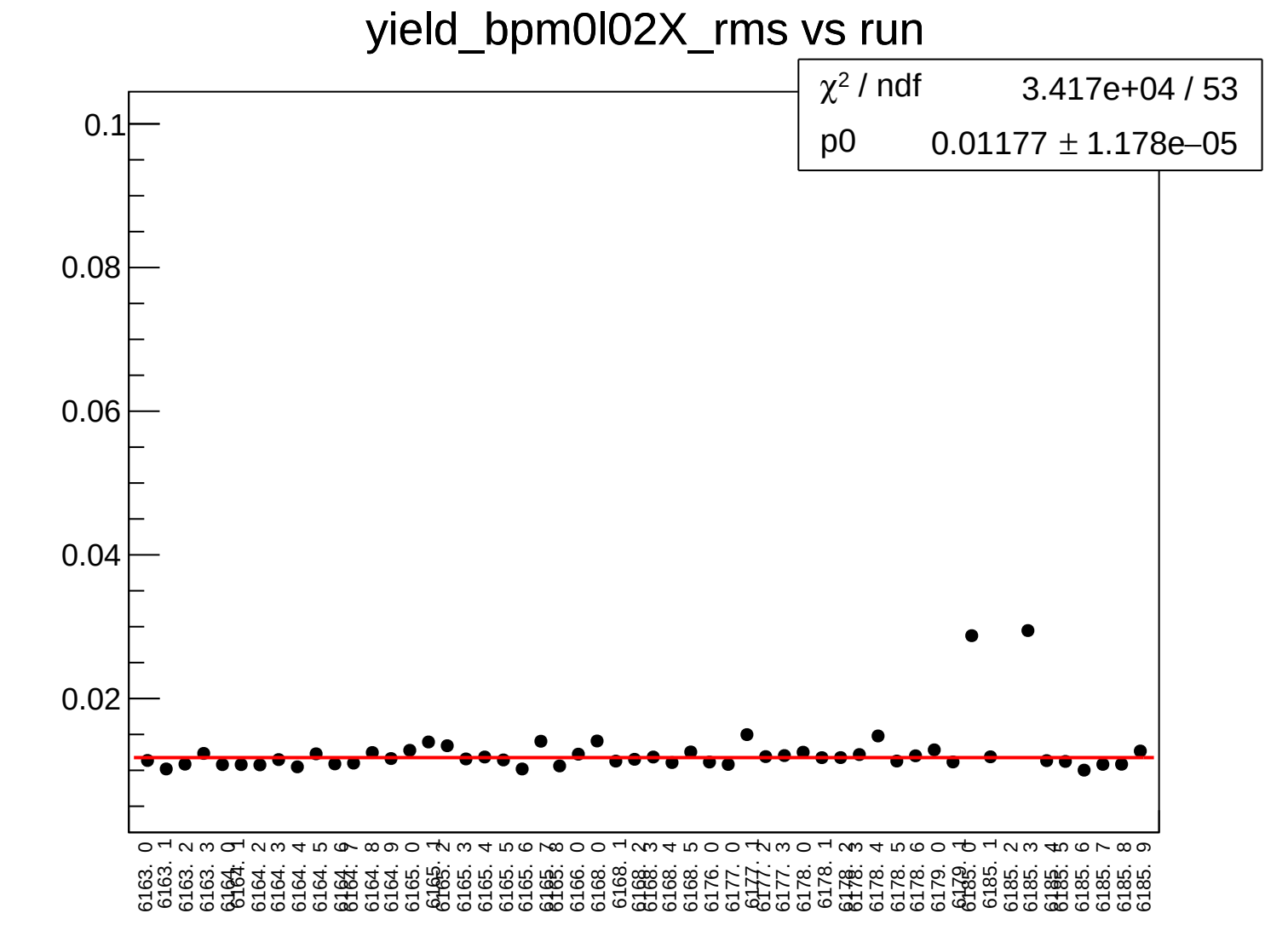

yield_bpm0l01Y_mean vs run
χ² / ndf 4.111e+07 / 53
p0 −5.789 ± 6.933e−06
pull
Entries 54
Mean −208.9
Std Dev 0

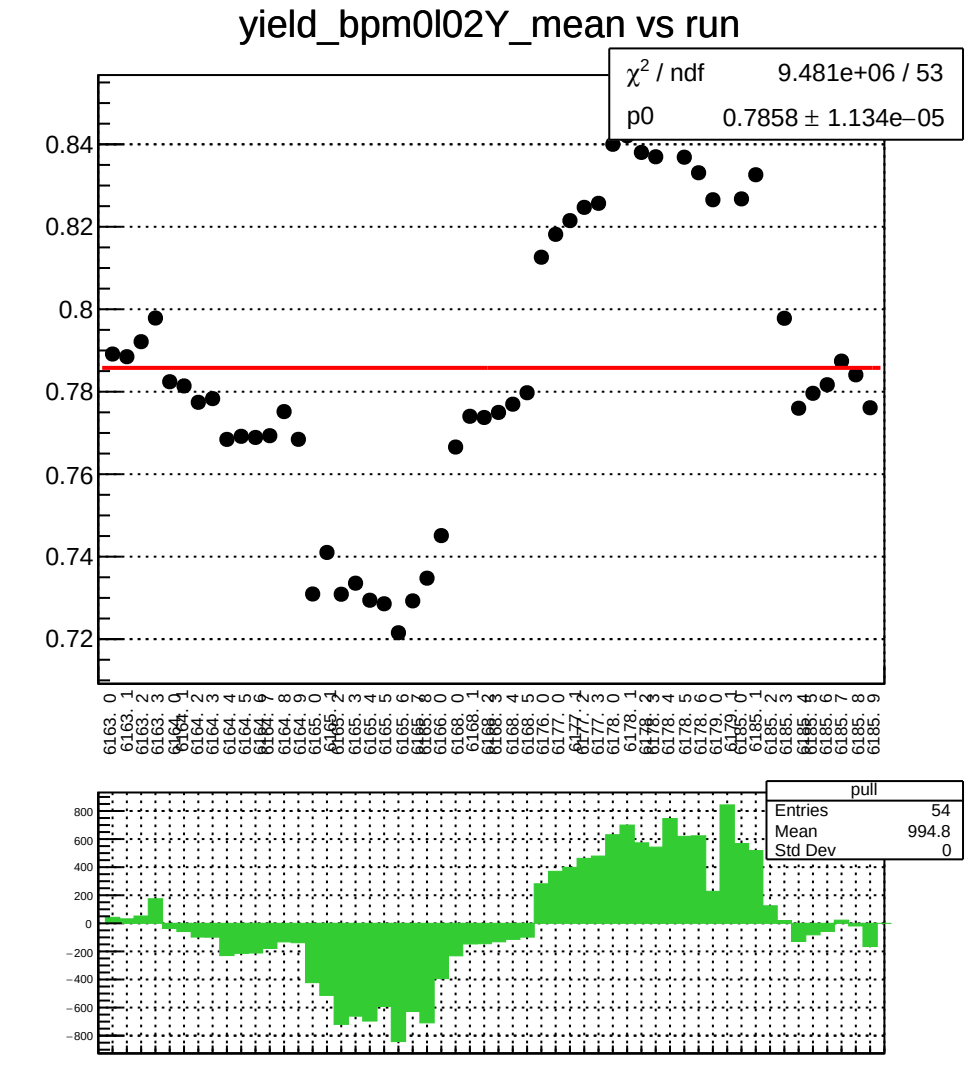

pull1D
Entries 54
Mean 0
Std Dev 0

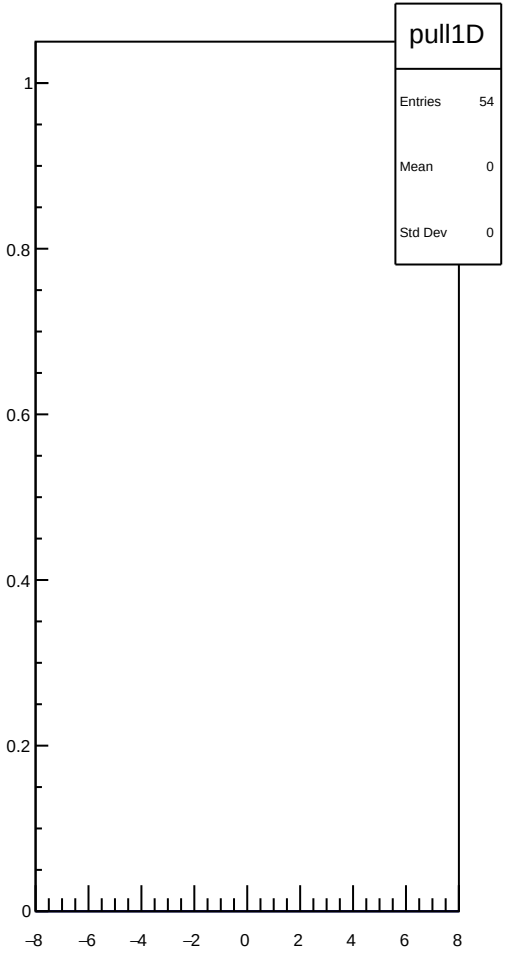

yield_bpm0l01Y_rms vs run
χ² / ndf 6.84e+04 / 53
p0 0.004815 ± 4.902e−06
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

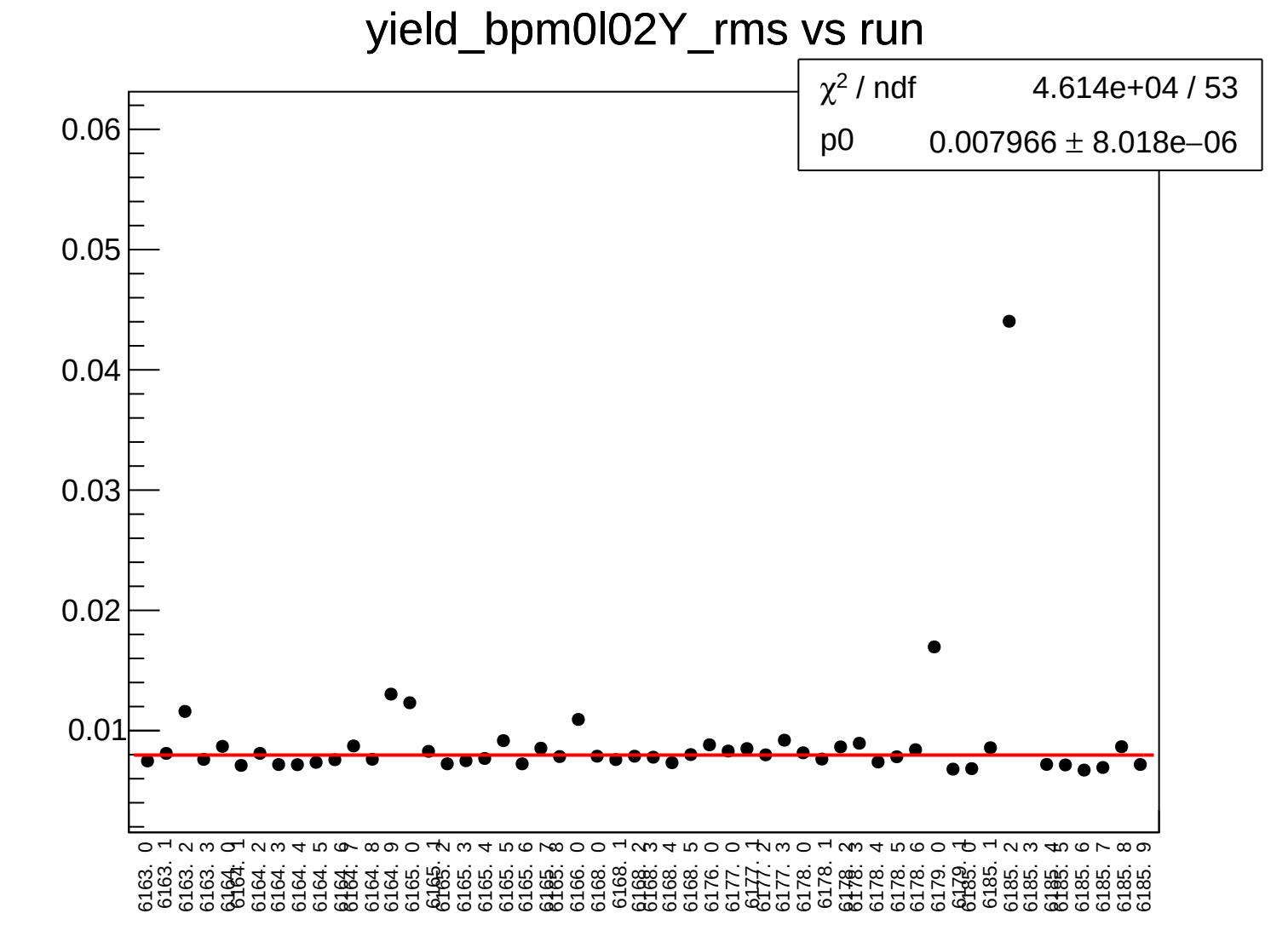

yield_bpm0l02X_mean vs run
χ² / ndf 4.834e+07 / 53
p0 0.02593 ± 1.666e−05
pull
Entries 54
Mean 387
Std Dev 0

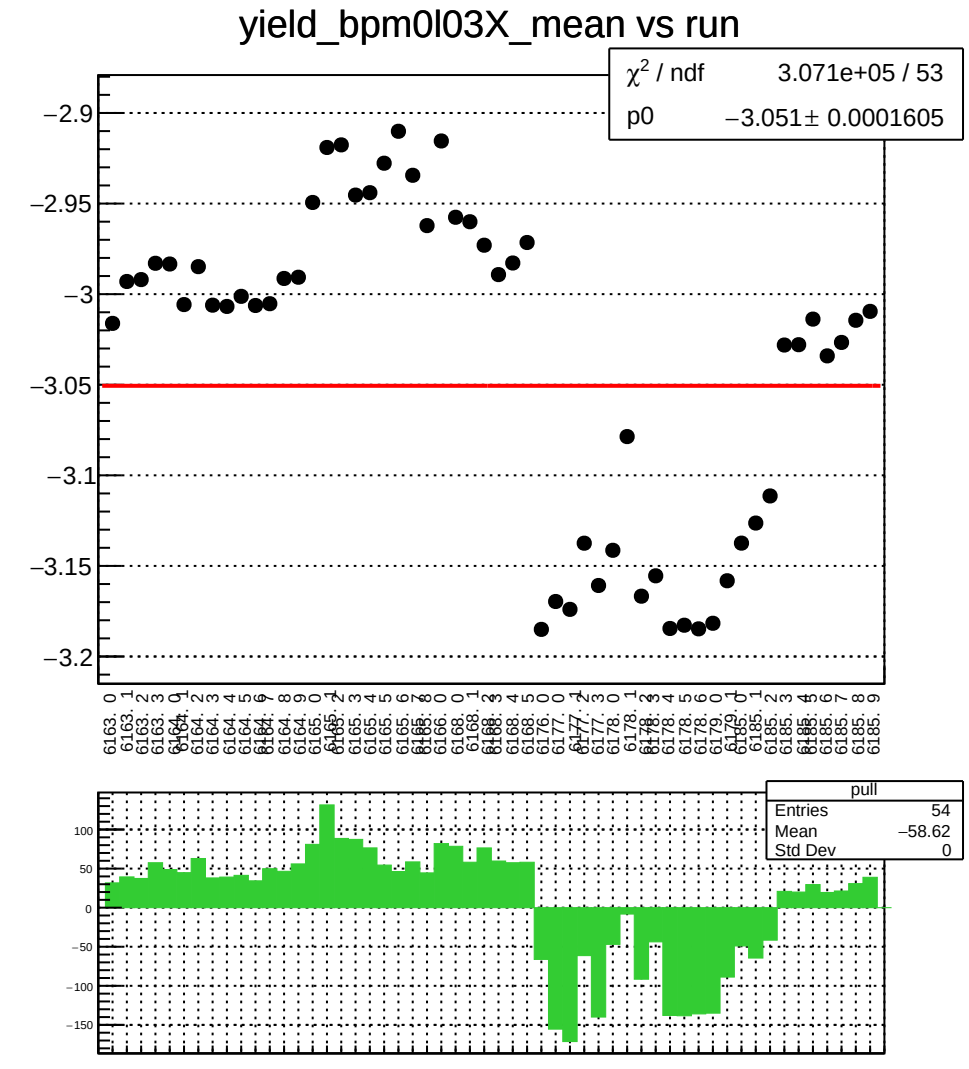

pull1D
Entries 54
Mean 0
Std Dev 0

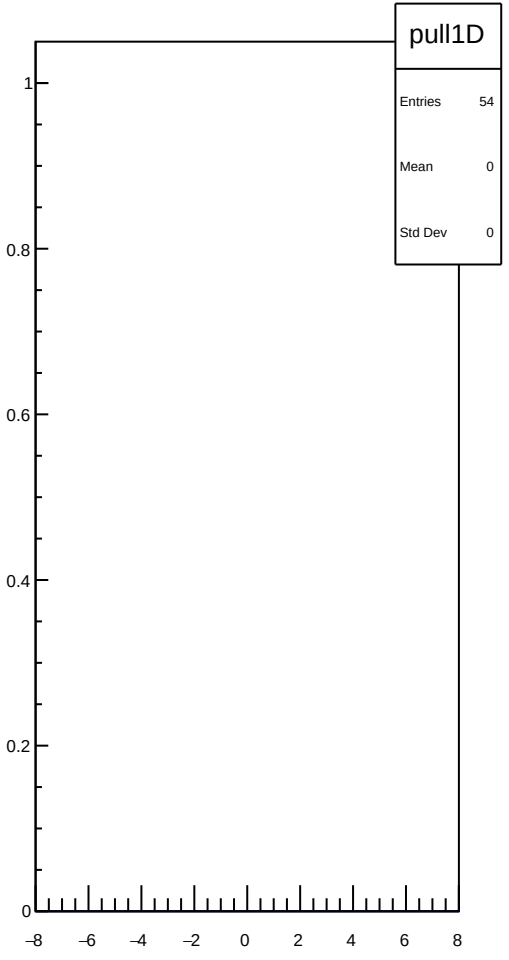

yield_bpm0l02X_rms vs run
χ² / ndf 3.417e+04 / 53
p0 0.01177 ± 1.178e–05
0.1
0.08
0.06
0.04
0.02
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

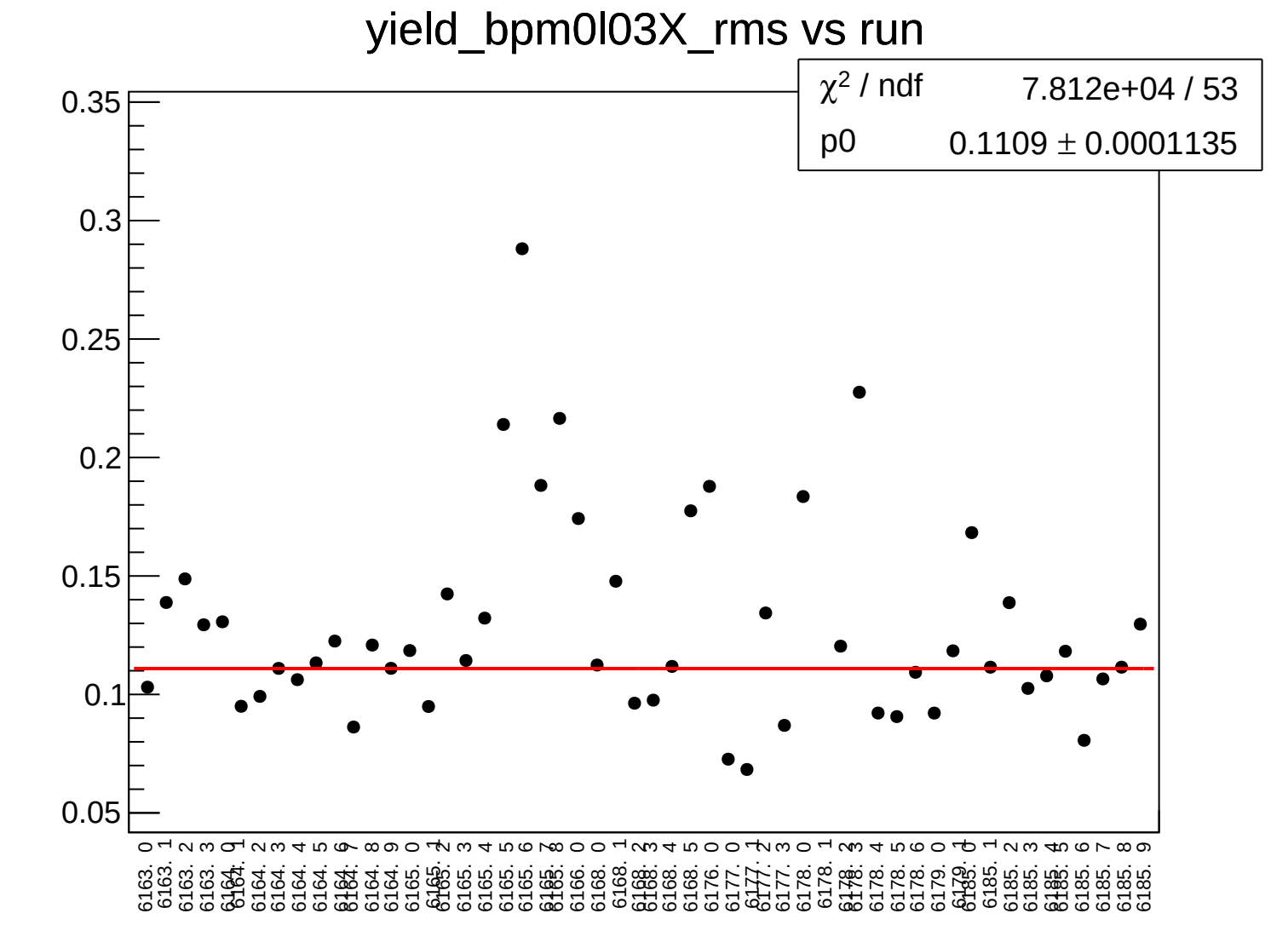

yield_bpm0l02Y_mean vs run
χ² / ndf 9.481e+06 / 53
p0 0.7858 ± 1.134e−05
0.84
0.82
0.8
0.78
0.76
0.74
0.72
pull
Entries 54
Mean 994.8
Std Dev 0
800
600
400
200
0
−200
−400
−600
−800

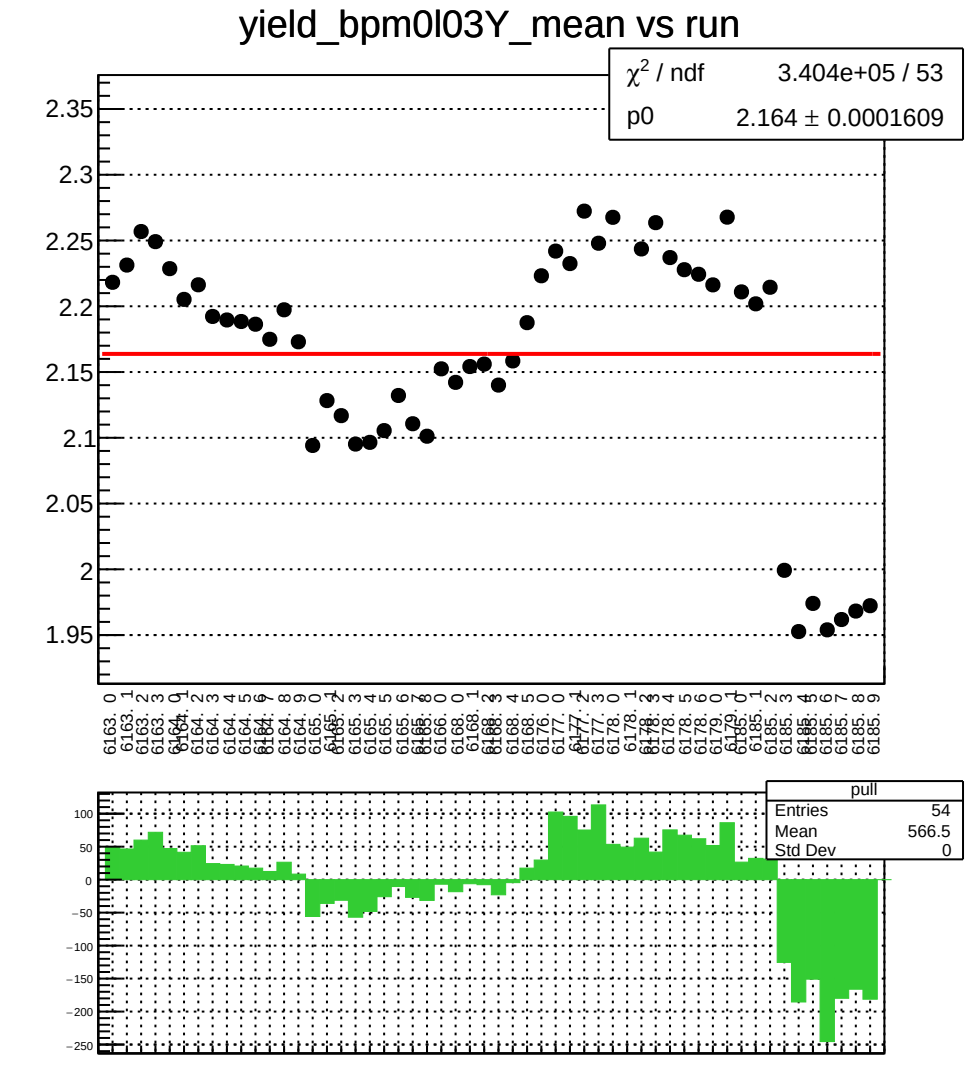

pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

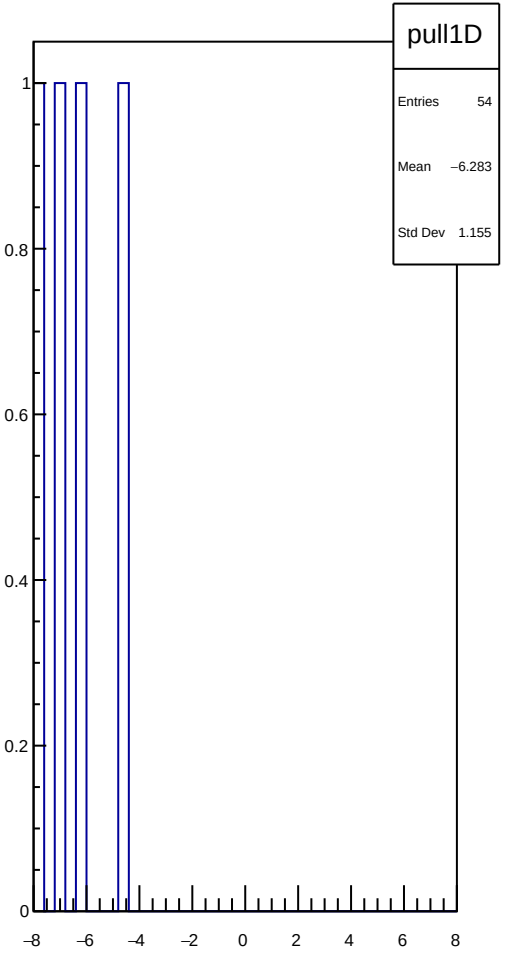

yield_bpm0l02Y_rms vs run
χ² / ndf 4.614e+04 / 53
p0 0.007966 ± 8.018e−06
0.06
0.05
0.04
0.03
0.02
0.01
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

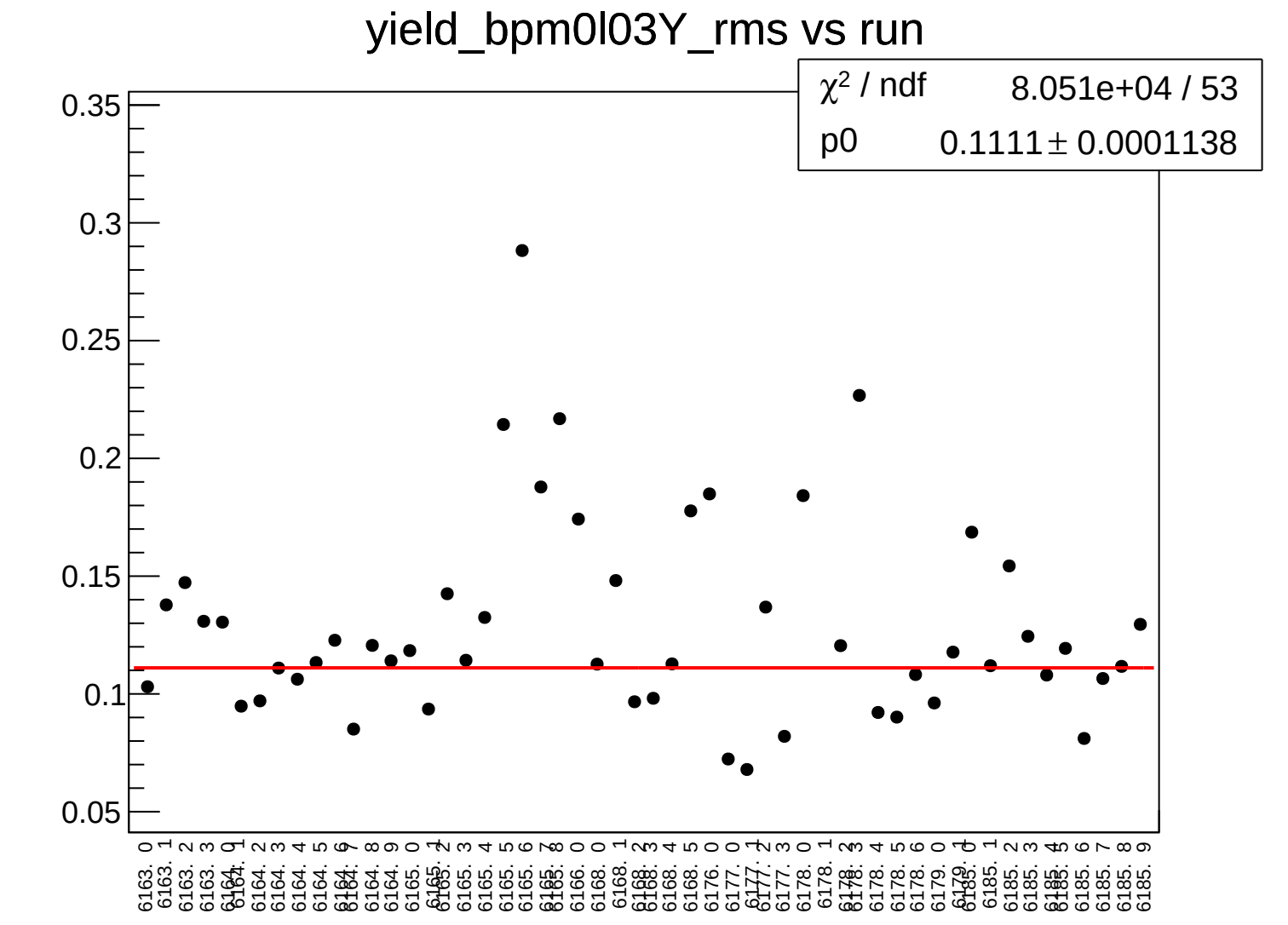

yield_bpm0l03X_mean vs run
χ² / ndf 3.071e+05 / 53
p0 −3.051± 0.0001605
−2.9
−2.95
−3
−3.05
−3.1
−3.15
−3.2
pull
Entries 54
Mean −58.62
Std Dev 0
100
50
0
−50
−100
−150

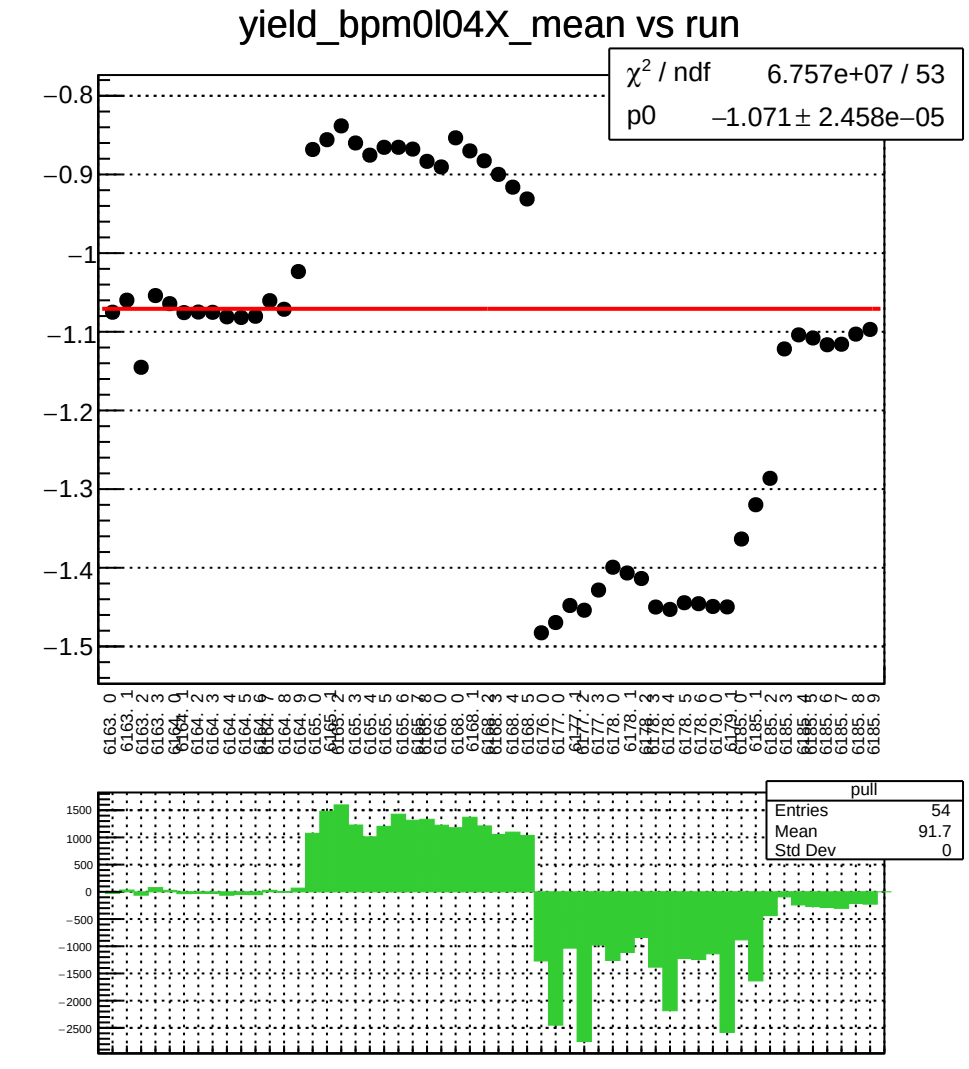

pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

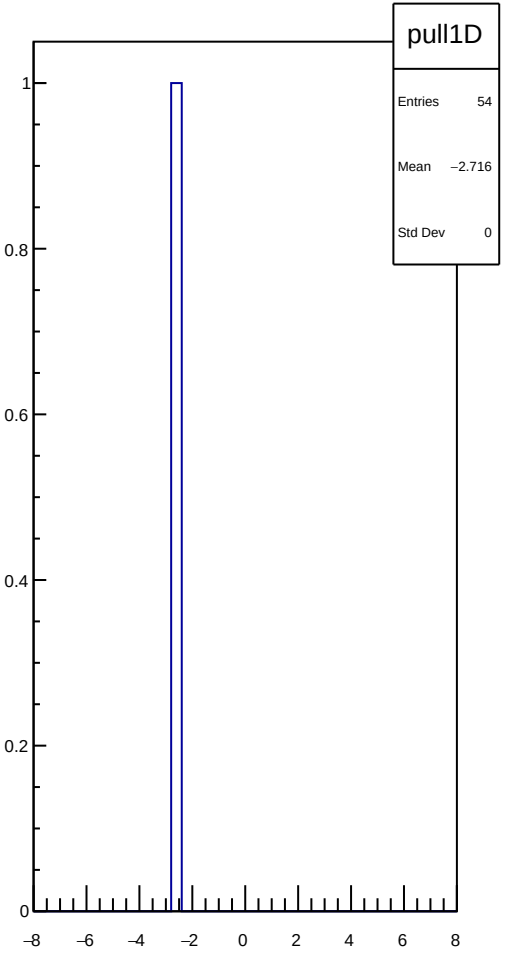

yield_bpm0l03X_rms vs run
χ² / ndf 7.812e+04 / 53
p0 0.1109 ± 0.0001135
0.35
0.3
0.25
0.2
0.15
0.1
0.05
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

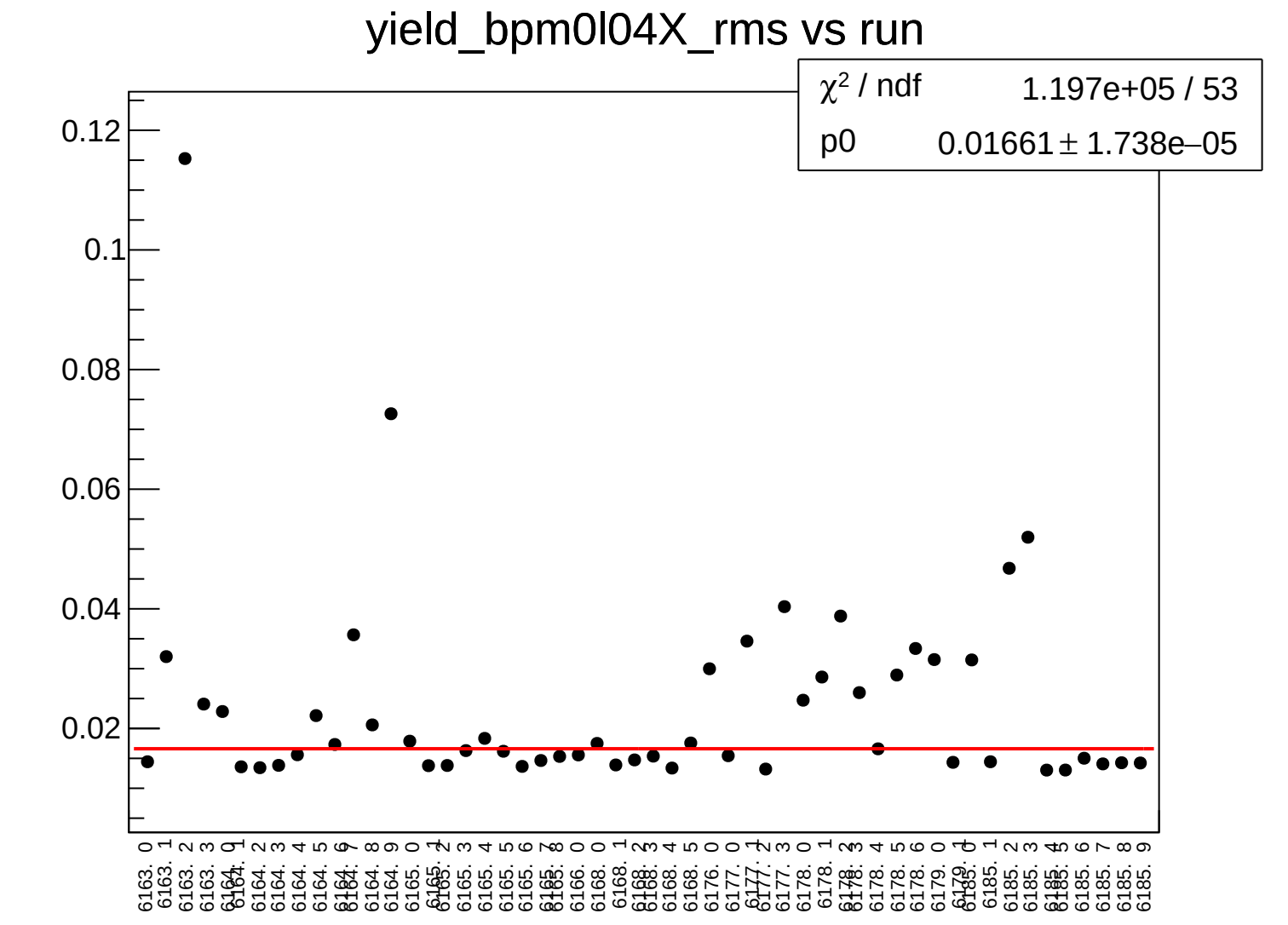

yield_bpm0l03Y_mean vs run
χ² / ndf 3.404e+05 / 53
p0 2.164 ± 0.0001609
pull
Entries 54
Mean 566.5
Std Dev 0

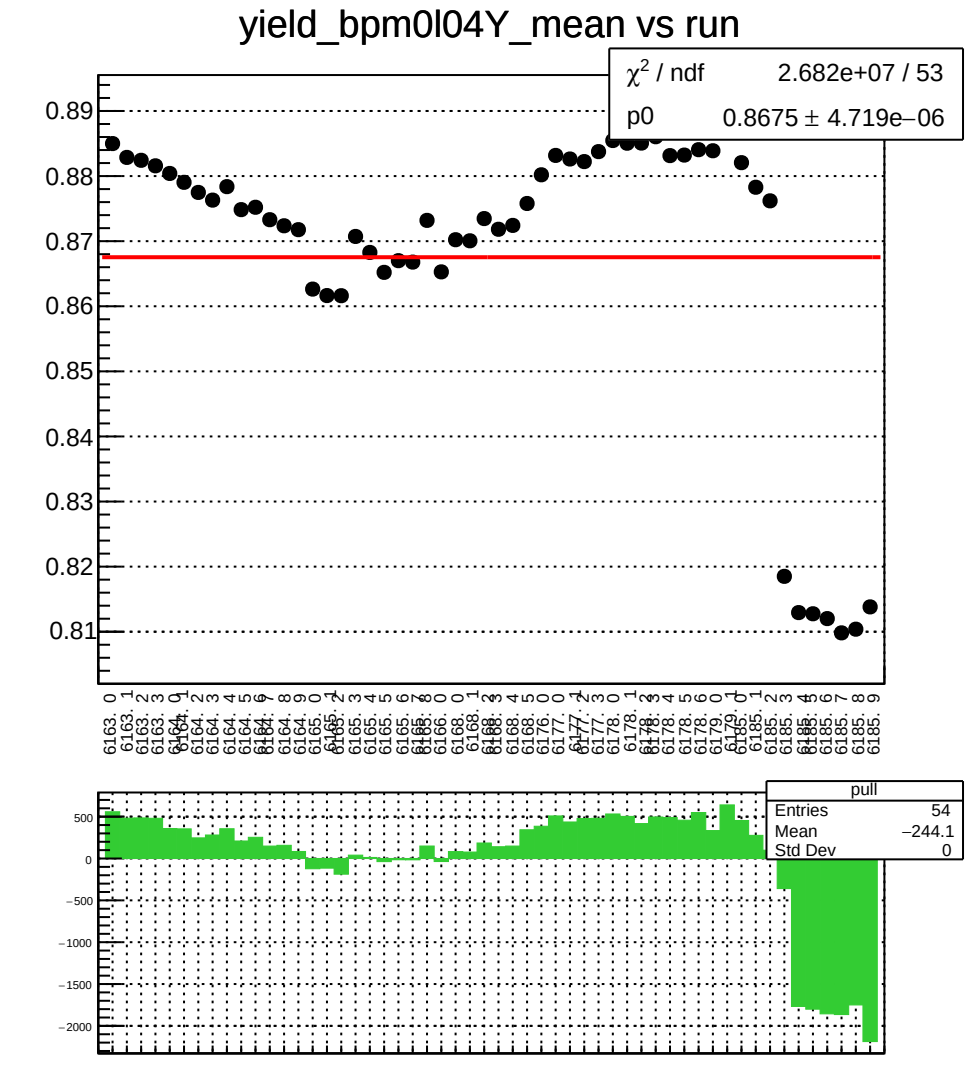

pull1D
Entries 54
Mean −6.283
Std Dev 1.155

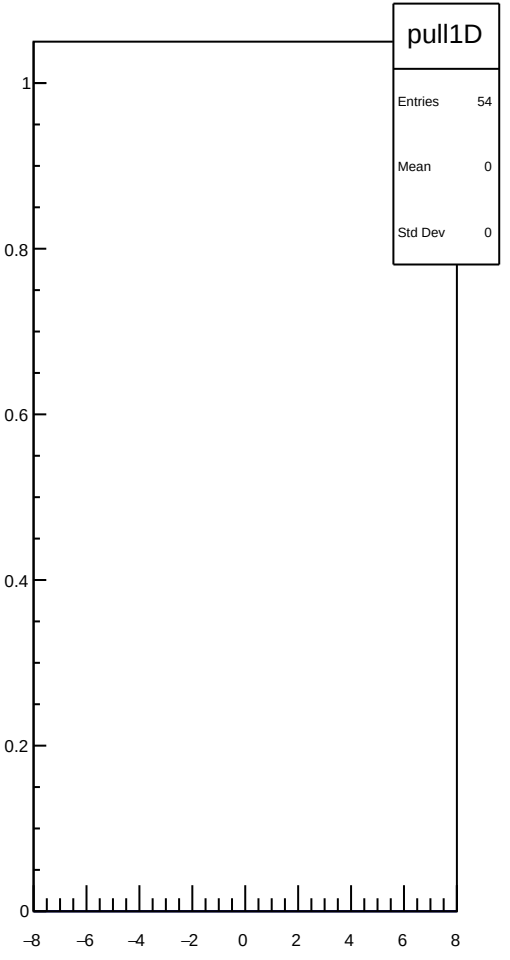

yield_bpm0l03Y_rms vs run
χ² / ndf 8.051e+04 / 53
p0 0.1111 ± 0.0001138
0.35
0.3
0.25
0.2
0.15
0.1
0.05
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

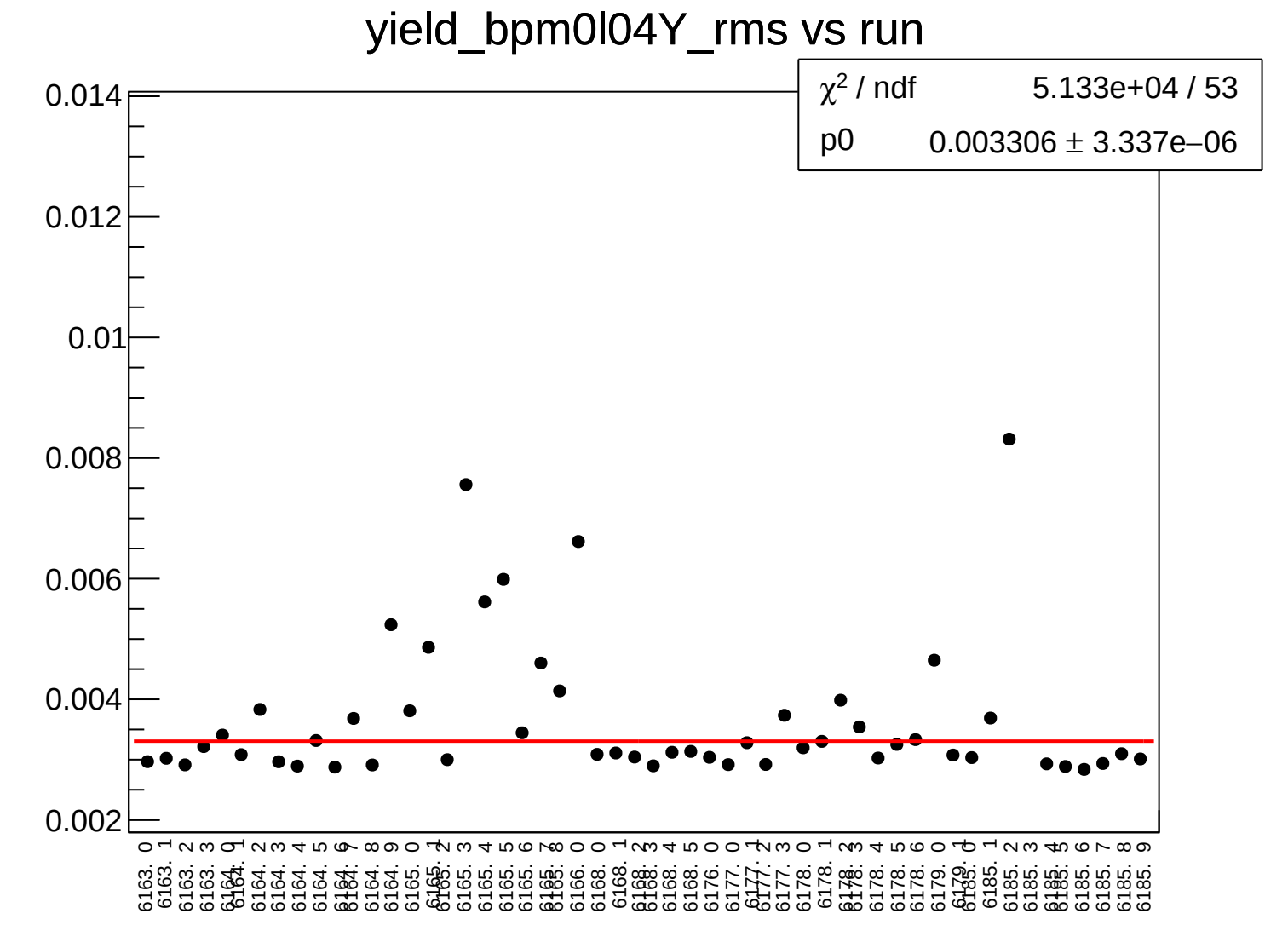

yield_bpm0l04X_mean vs run
χ² / ndf 6.757e+07 / 53
p0 −1.071 ± 2.458e−05
pull
Entries 54
Mean 91.7
Std Dev 0

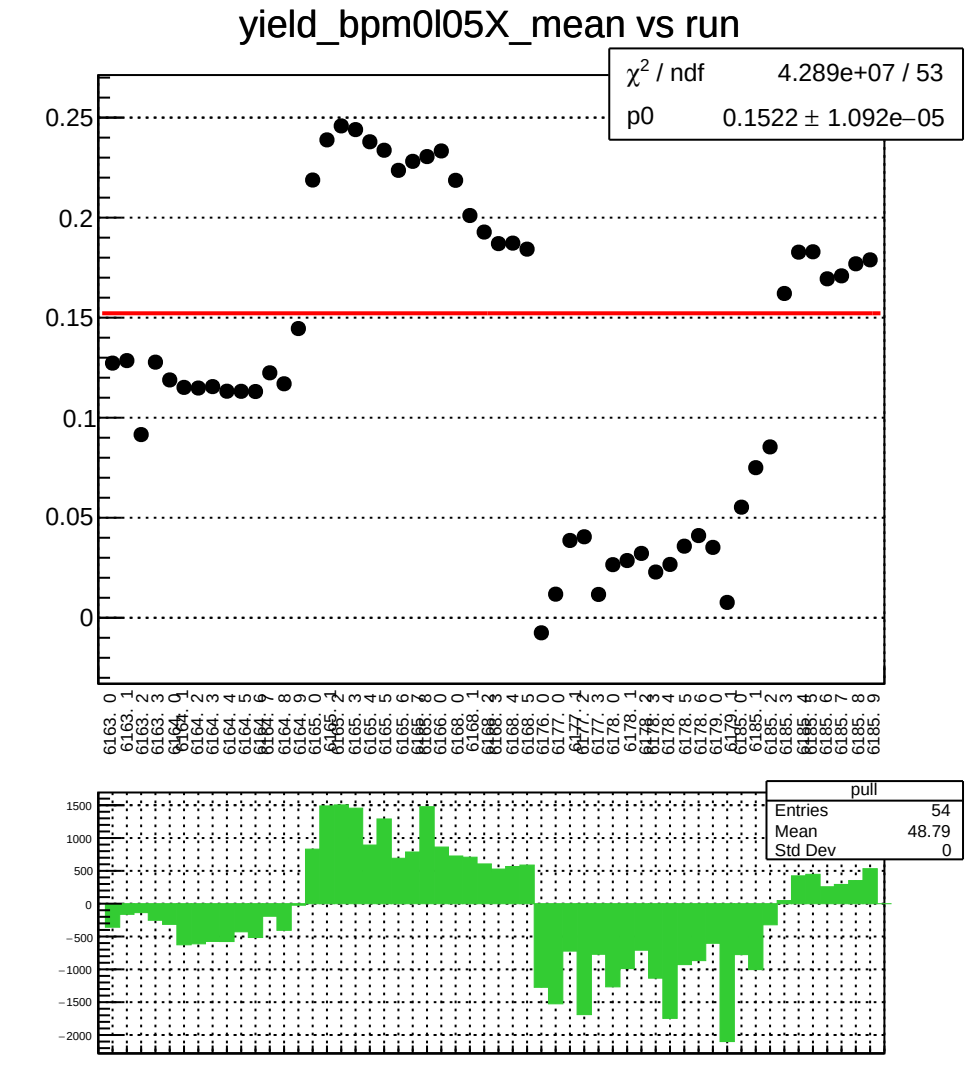

pull1D
Entries 54
Mean −2.716
Std Dev 0

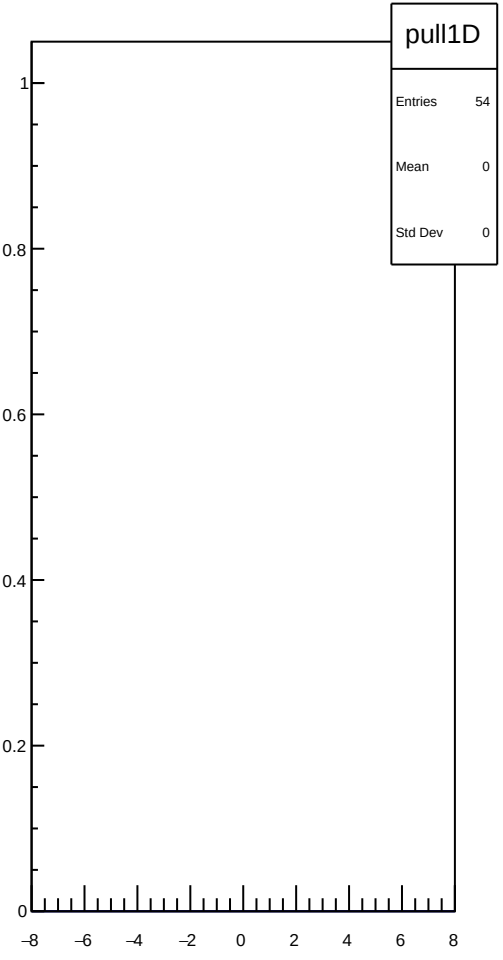

yield_bpm0l04X_rms vs run
χ² / ndf 1.197e+05 / 53
p0 0.01661 ± 1.738e–05
0.12
0.1
0.08
0.06
0.04
0.02
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

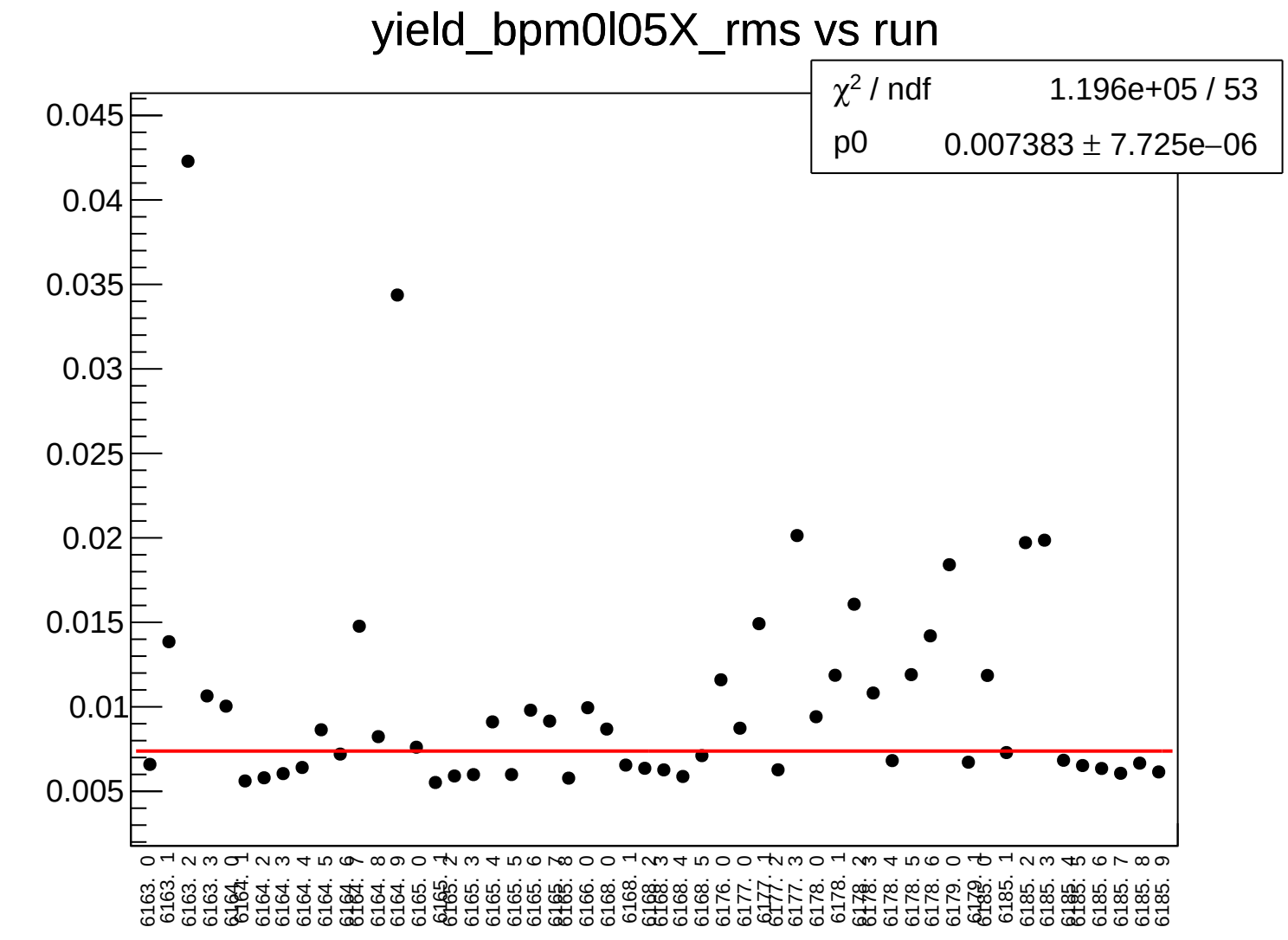

yield_bpm0l04Y_mean vs run
χ² / ndf 2.682e+07 / 53
p0 0.8675 ± 4.719e−06
0.89
0.88
0.87
0.86
0.85
0.84
0.83
0.82
0.81
pull
Entries 54
Mean −244.1
Std Dev 0
500
0
−500
−1000
−1500
−2000

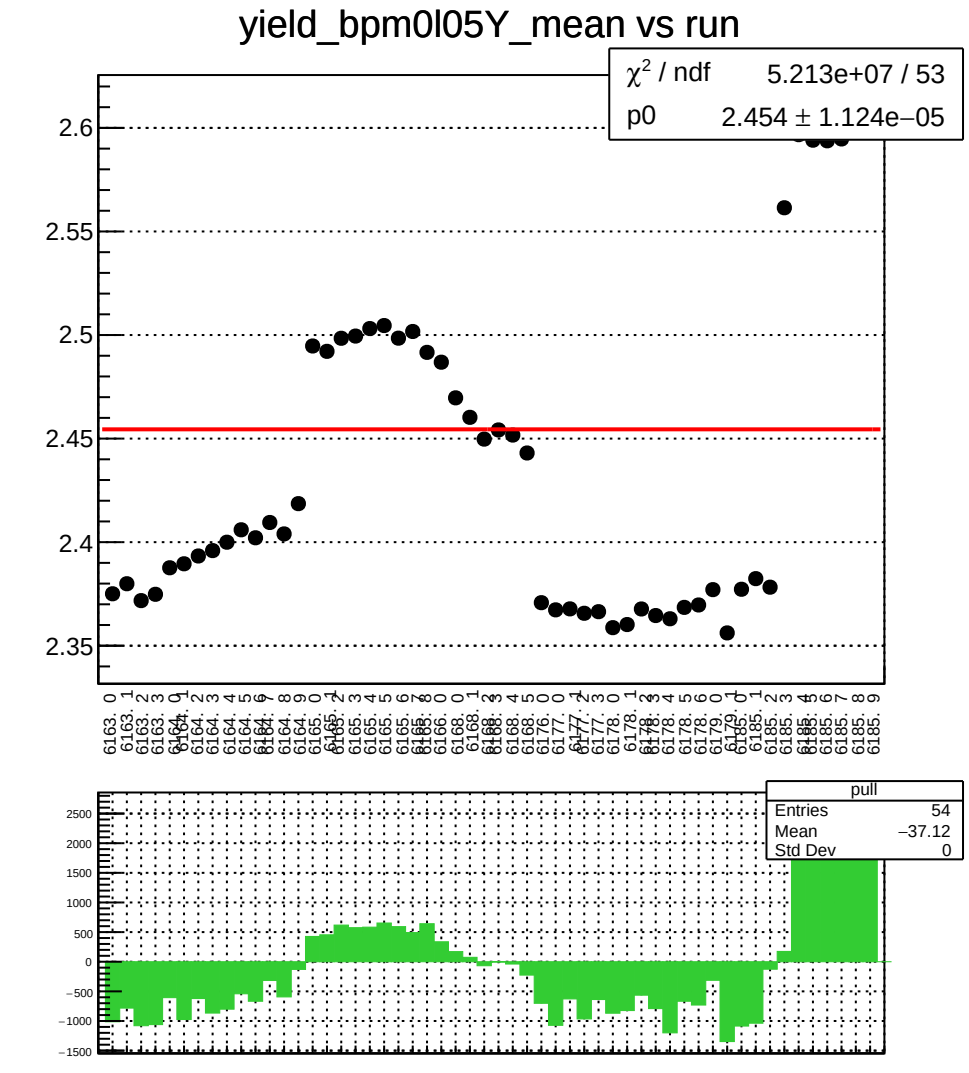

pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

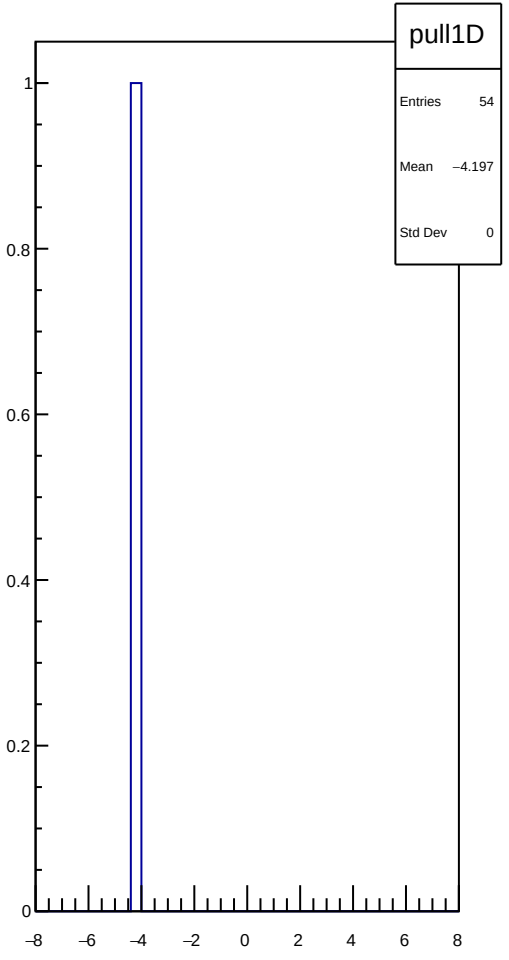

yield_bpm0l04Y_rms vs run
χ² / ndf 5.133e+04 / 53
p0 0.003306 ± 3.337e−06
0.014
0.012
0.01
0.008
0.006
0.004
0.002
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

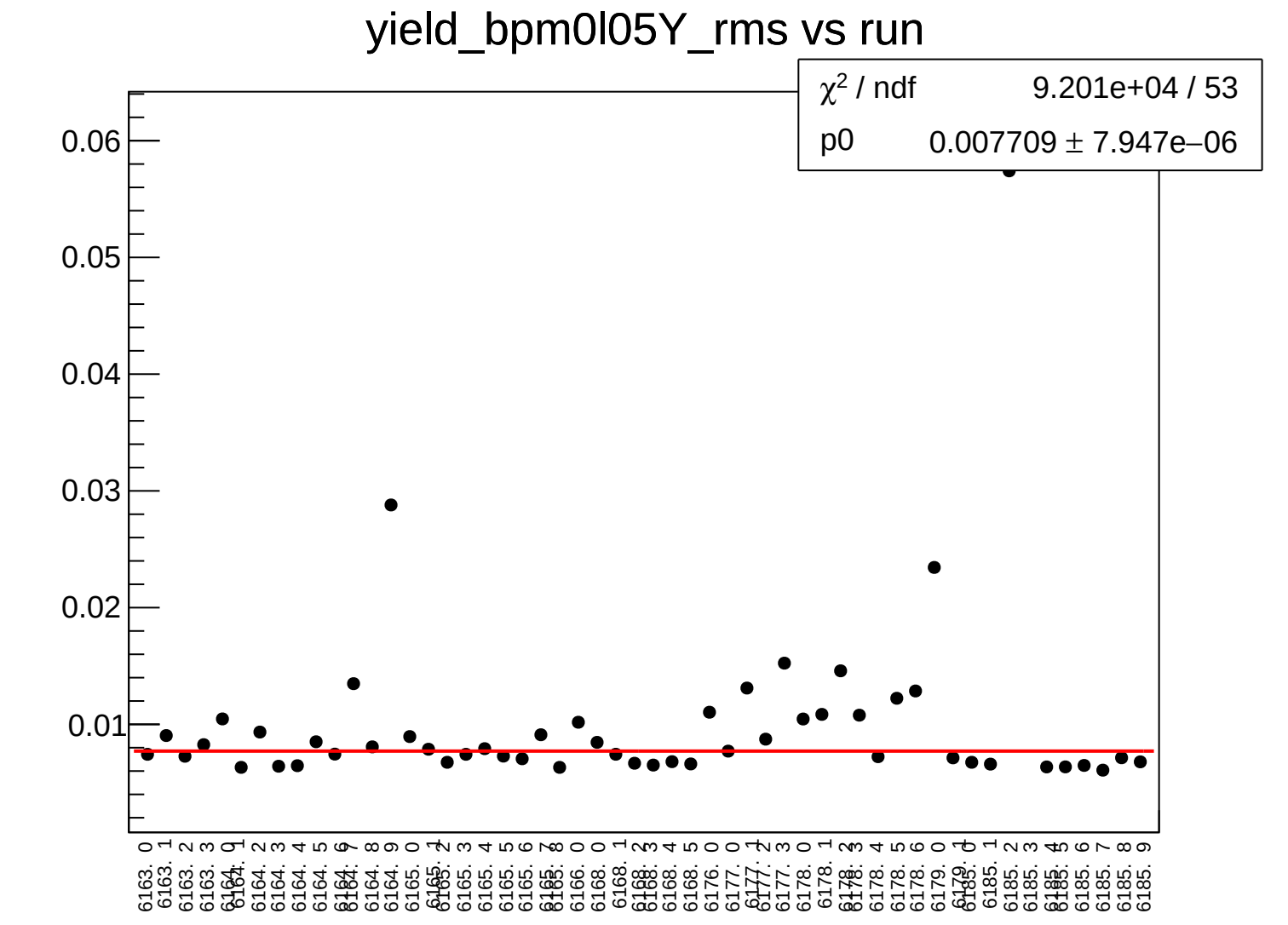

yield_bpm0l05X_mean vs run
χ² / ndf 4.289e+07 / 53
p0 0.1522 ± 1.092e−05
pull
Entries 54
Mean 48.79
Std Dev 0

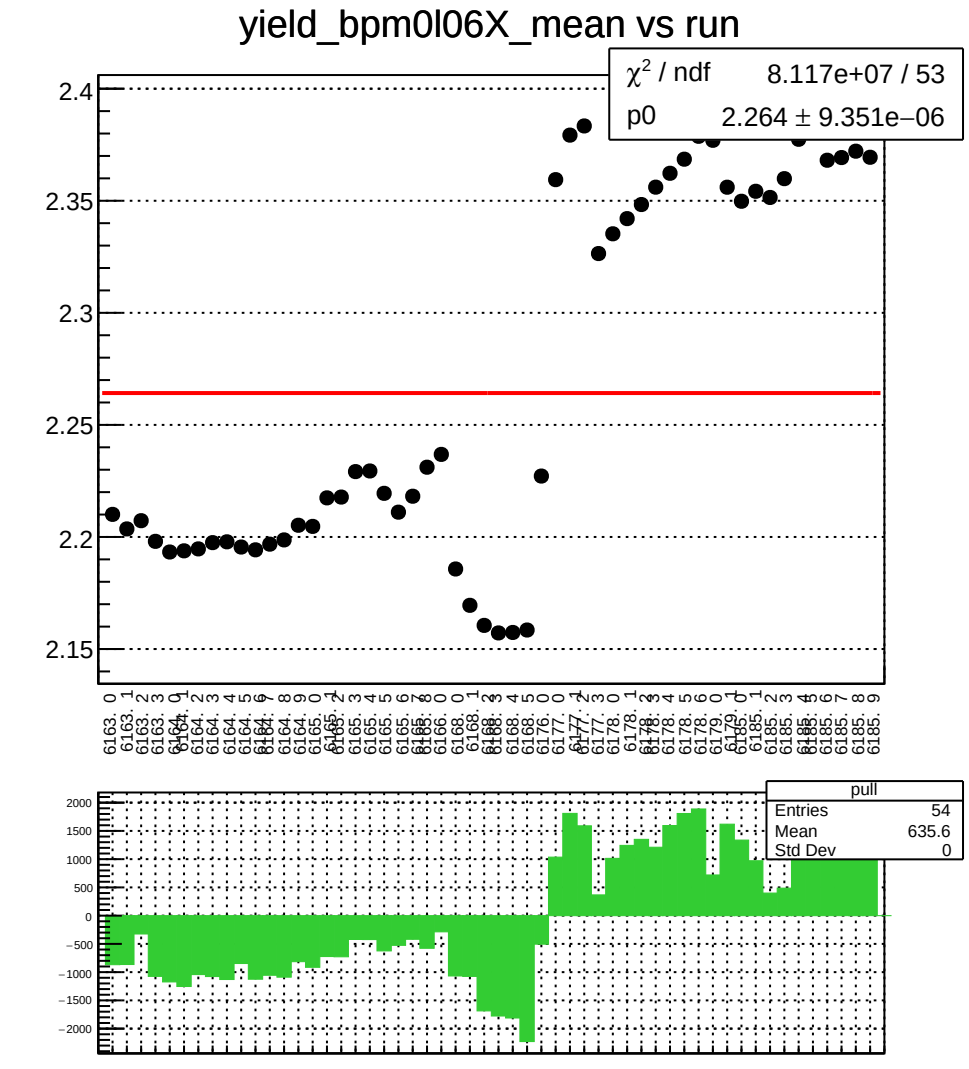

pull1D
Entries 54
Mean 0
Std Dev 0

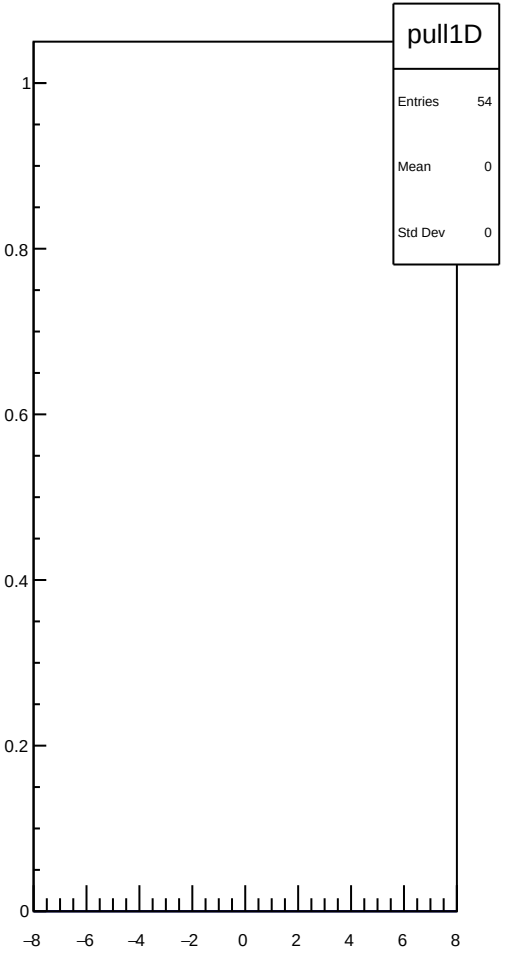

yield_bpm0l05X_rms vs run
χ² / ndf 1.196e+05 / 53
p0 0.007383 ± 7.725e−06
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

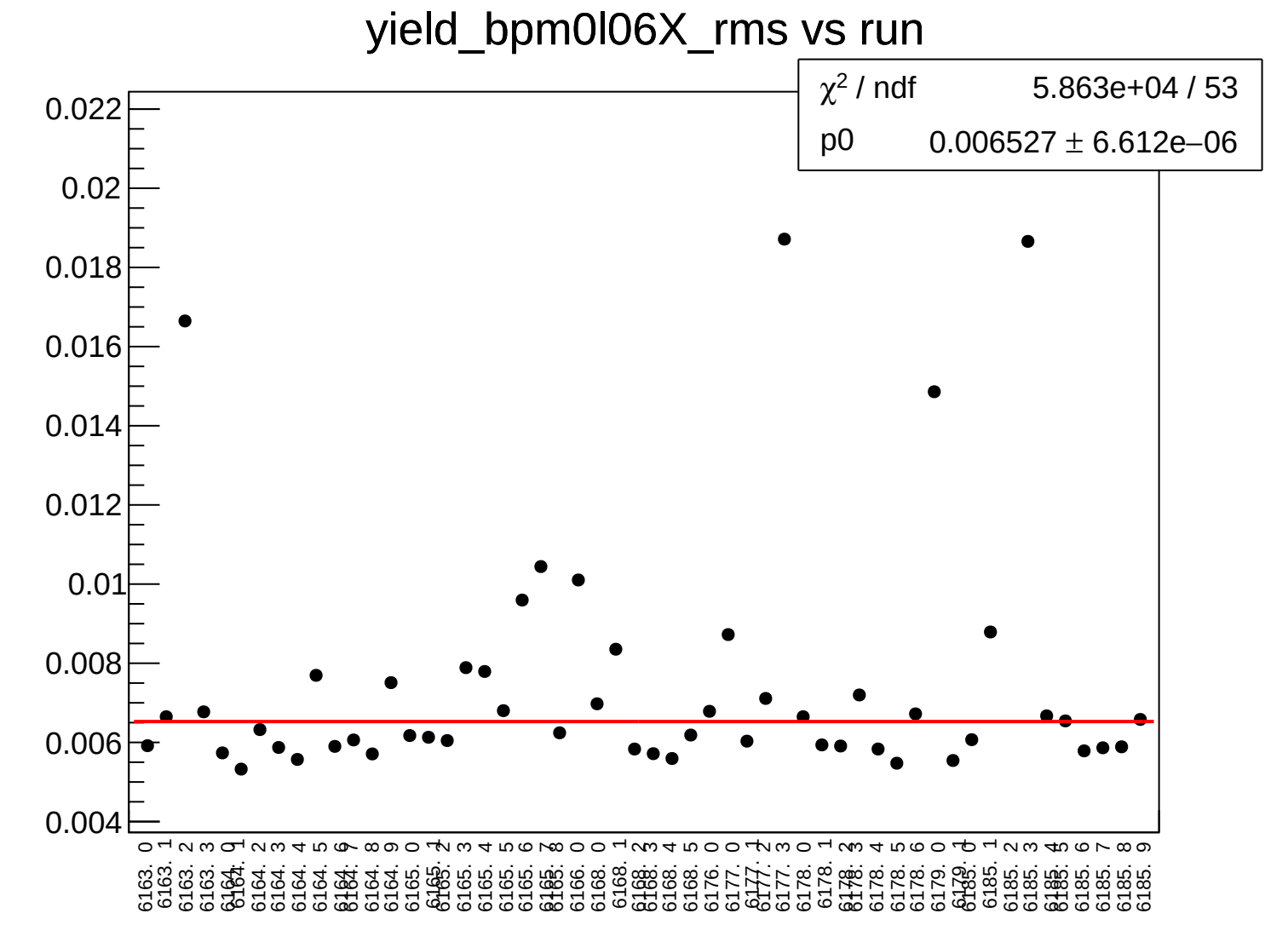

yield_bpm0l05Y_mean vs run
χ² / ndf 5.213e+07 / 53
p0 2.454 ± 1.124e−05
pull
Entries 54
Mean −37.12
Std Dev 0

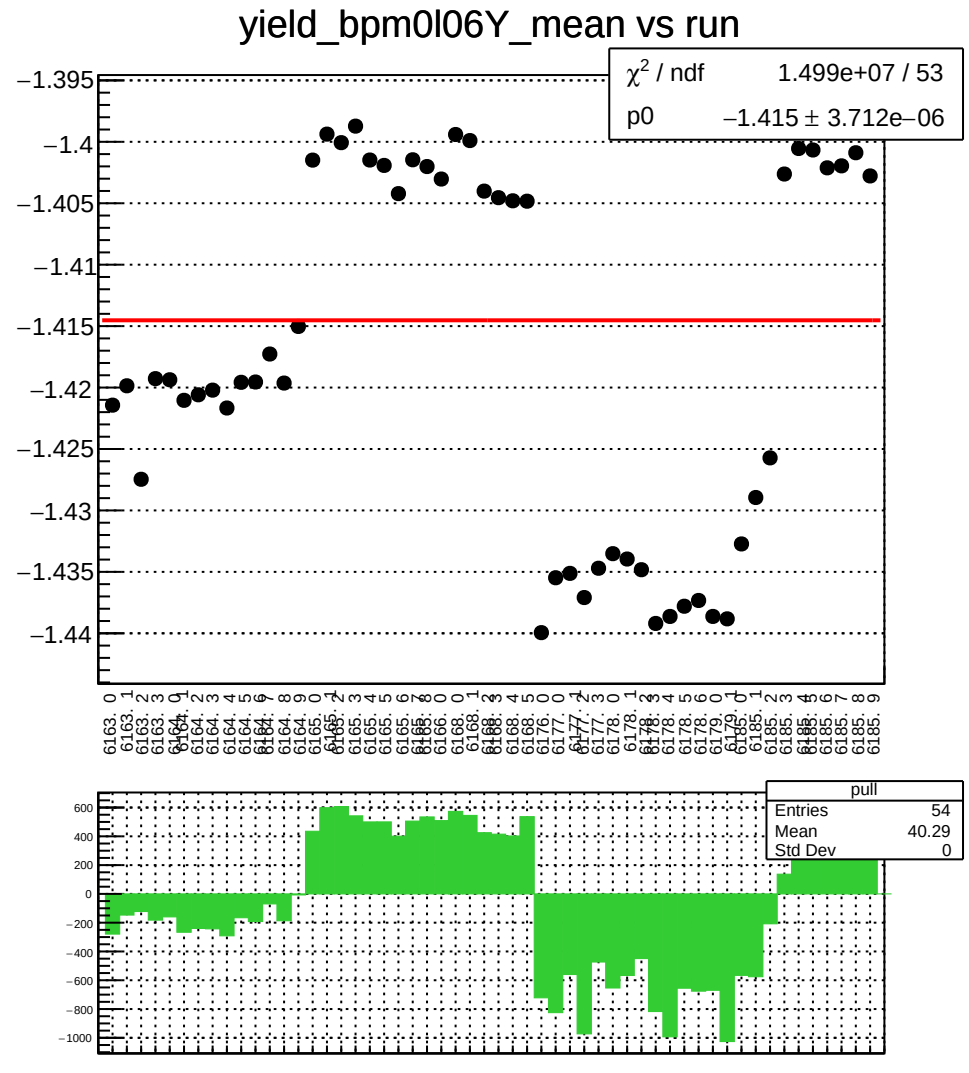

pull1D
Entries 54
Mean −4.197
Std Dev 0

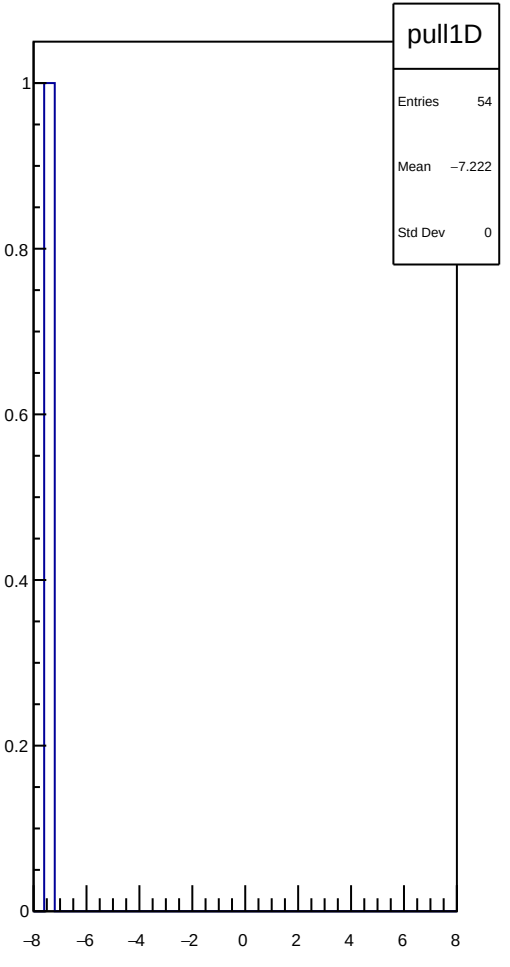

yield_bpm0l05Y_rms vs run
χ² / ndf 9.201e+04 / 53
p0 0.007709 ± 7.947e−06
0.06
0.05
0.04
0.03
0.02
0.01
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

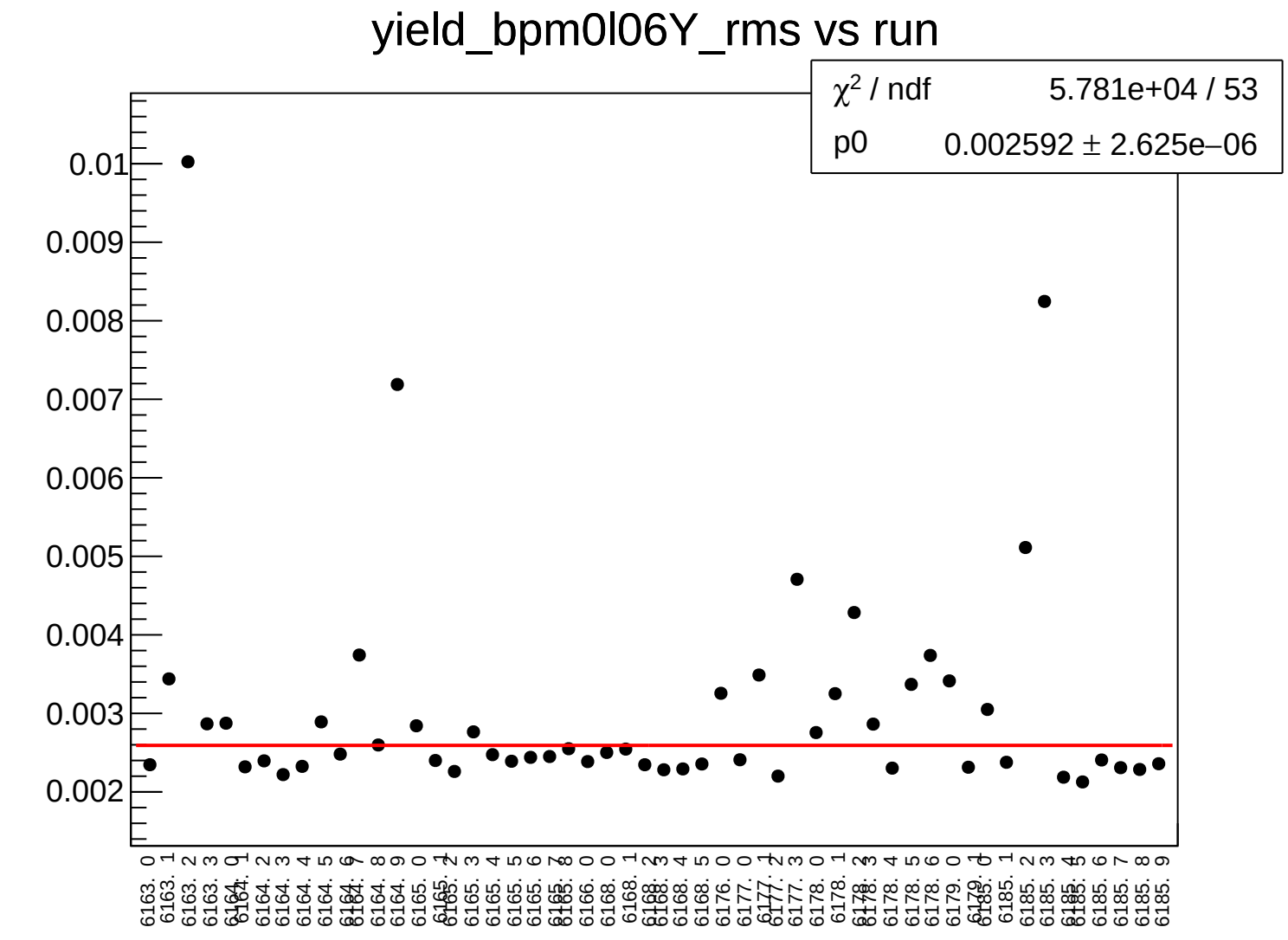

yield_bpm0l06X_mean vs run
χ² / ndf 8.117e+07 / 53
p0 2.264 ± 9.351e−06
2.4
2.35
2.3
2.25
2.2
2.15
pull
Entries 54
Mean 635.6
Std Dev 0
2000
1500
1000
500
0
−500
−1000
−1500
−2000

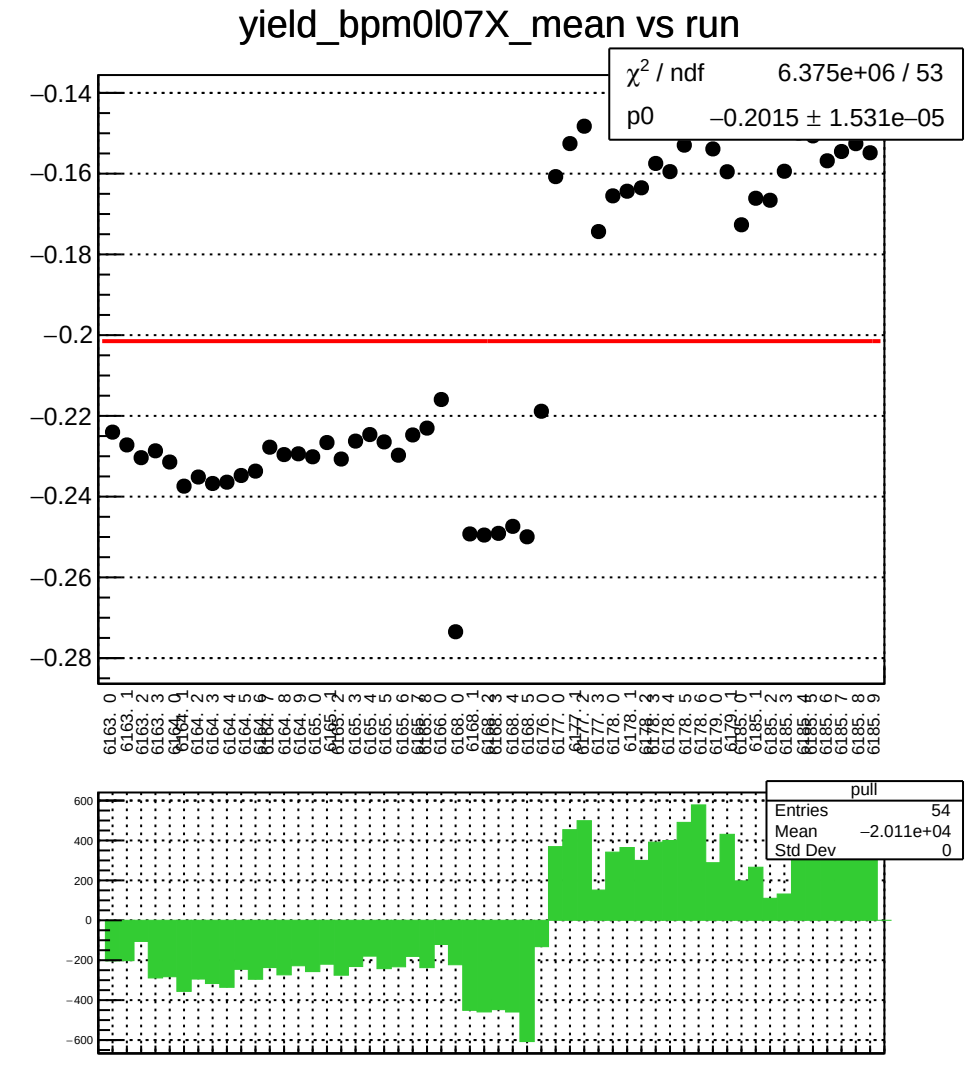

pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

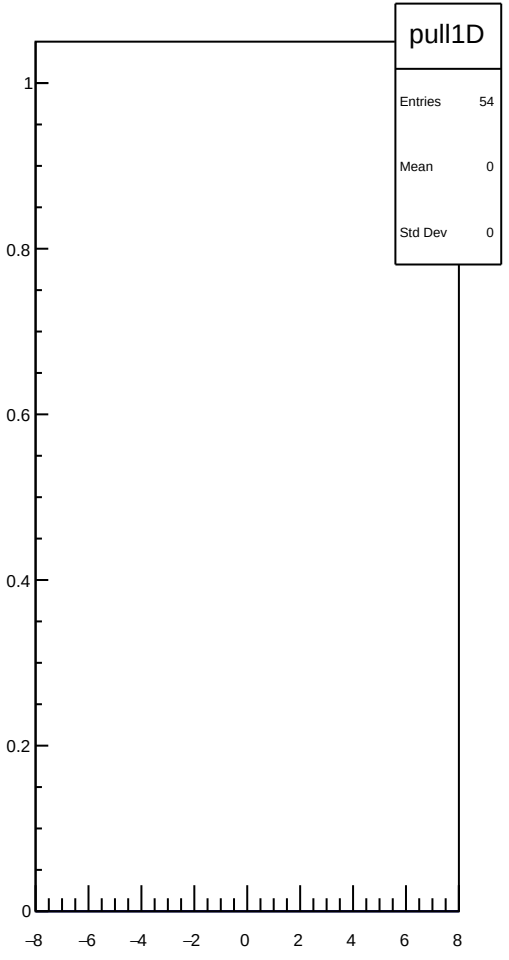

yield_bpm0l06X_rms vs run
χ^2 / ndf 5.863e+04 / 53
p0 0.006527 ± 6.612e−06
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

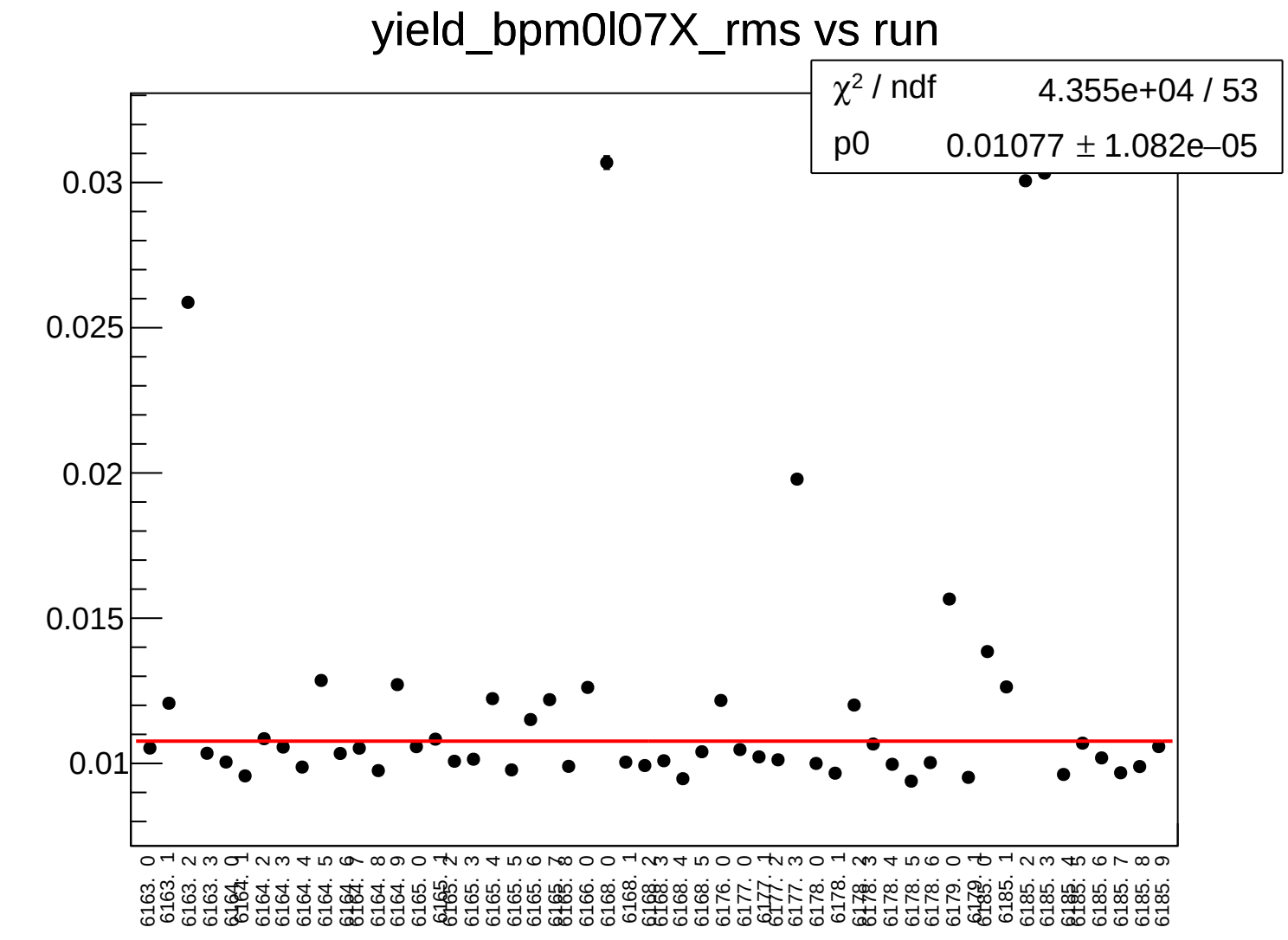

yield_bpm0l06Y_mean vs run
χ² / ndf 1.499e+07 / 53
p0 −1.415 ± 3.712e−06
−1.395
−1.4
−1.405
−1.41
−1.415
−1.42
−1.425
−1.43
−1.435
−1.44
pull
Entries 54
Mean 40.29
Std Dev 0
600
400
200
0
−200
−400
−600
−800
−1000

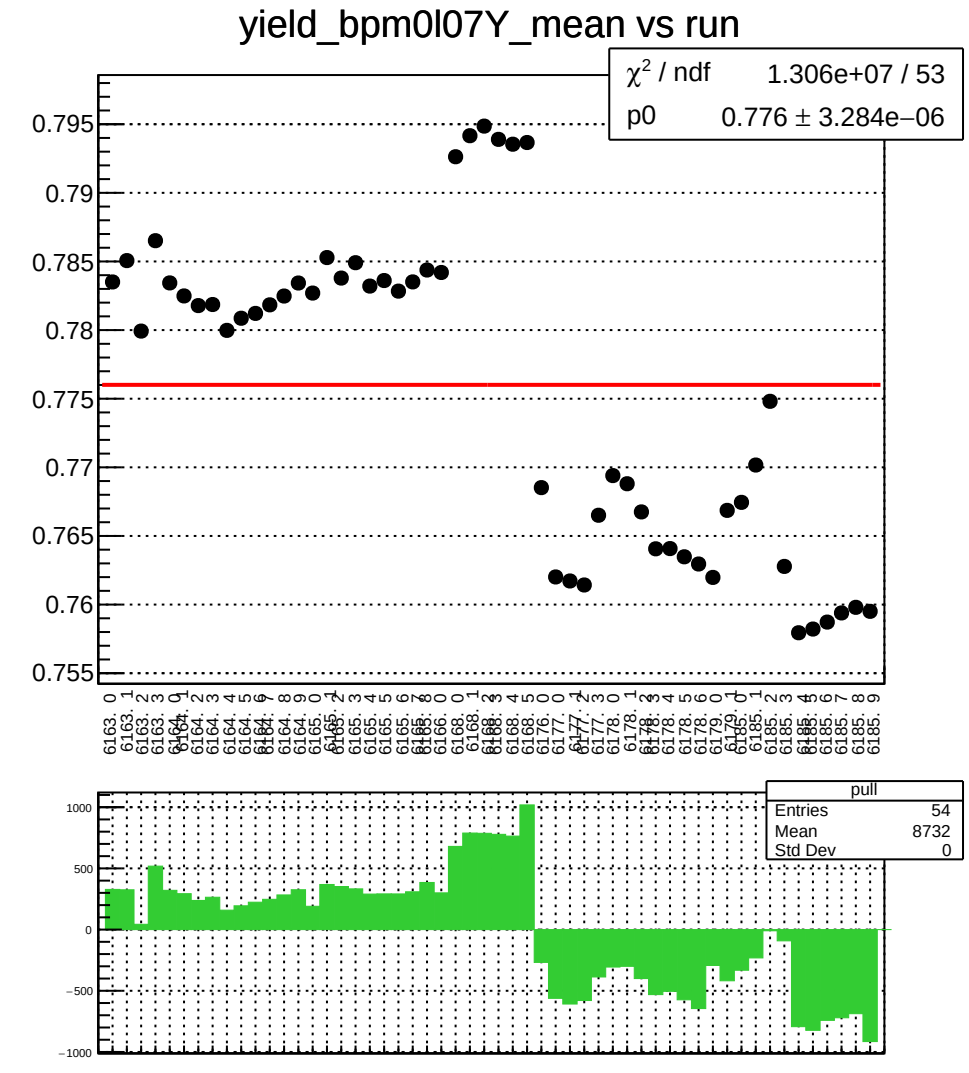

pull1D
Entries 54
Mean −7.222
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

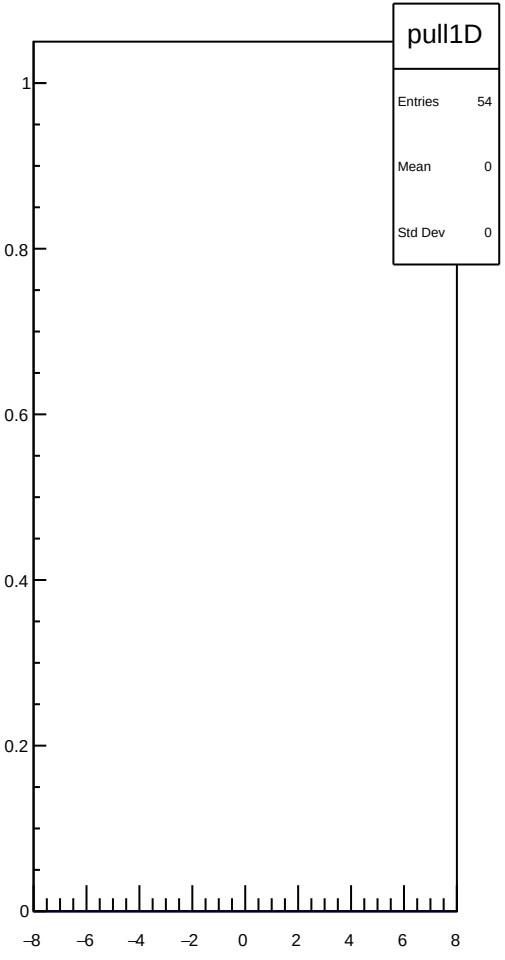

yield_bpm0l06Y_rms vs run
χ^2 / ndf 5.781e+04 / 53
p0 0.002592 ± 2.625e−06
0.01
0.009
0.008
0.007
0.006
0.005
0.004
0.003
0.002
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

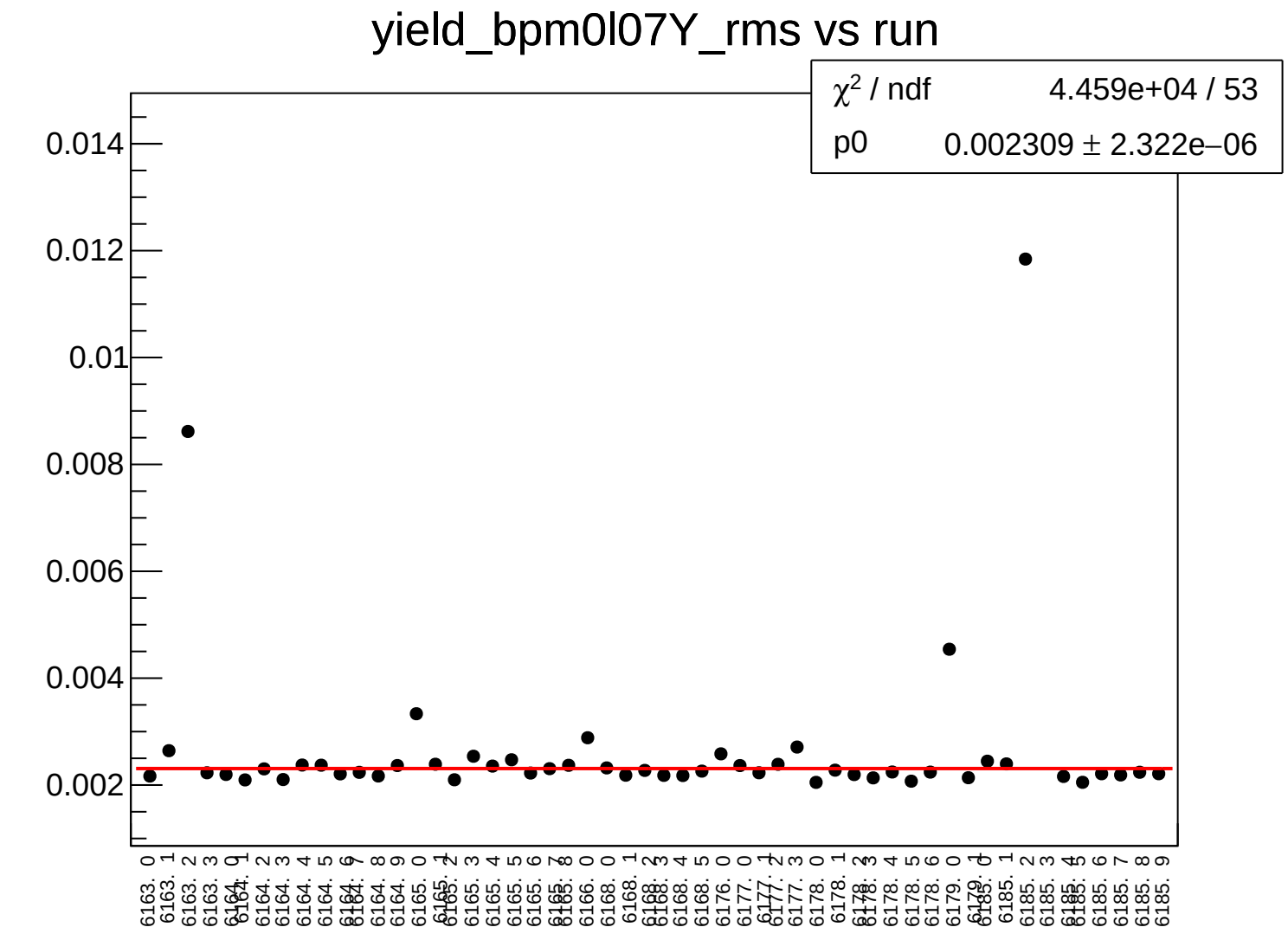

yield_bpm0l07X_mean vs run
χ² / ndf 6.375e+06 / 53
p0 −0.2015 ± 1.531e−05
pull
Entries 54
Mean −2.011e+04
Std Dev 0

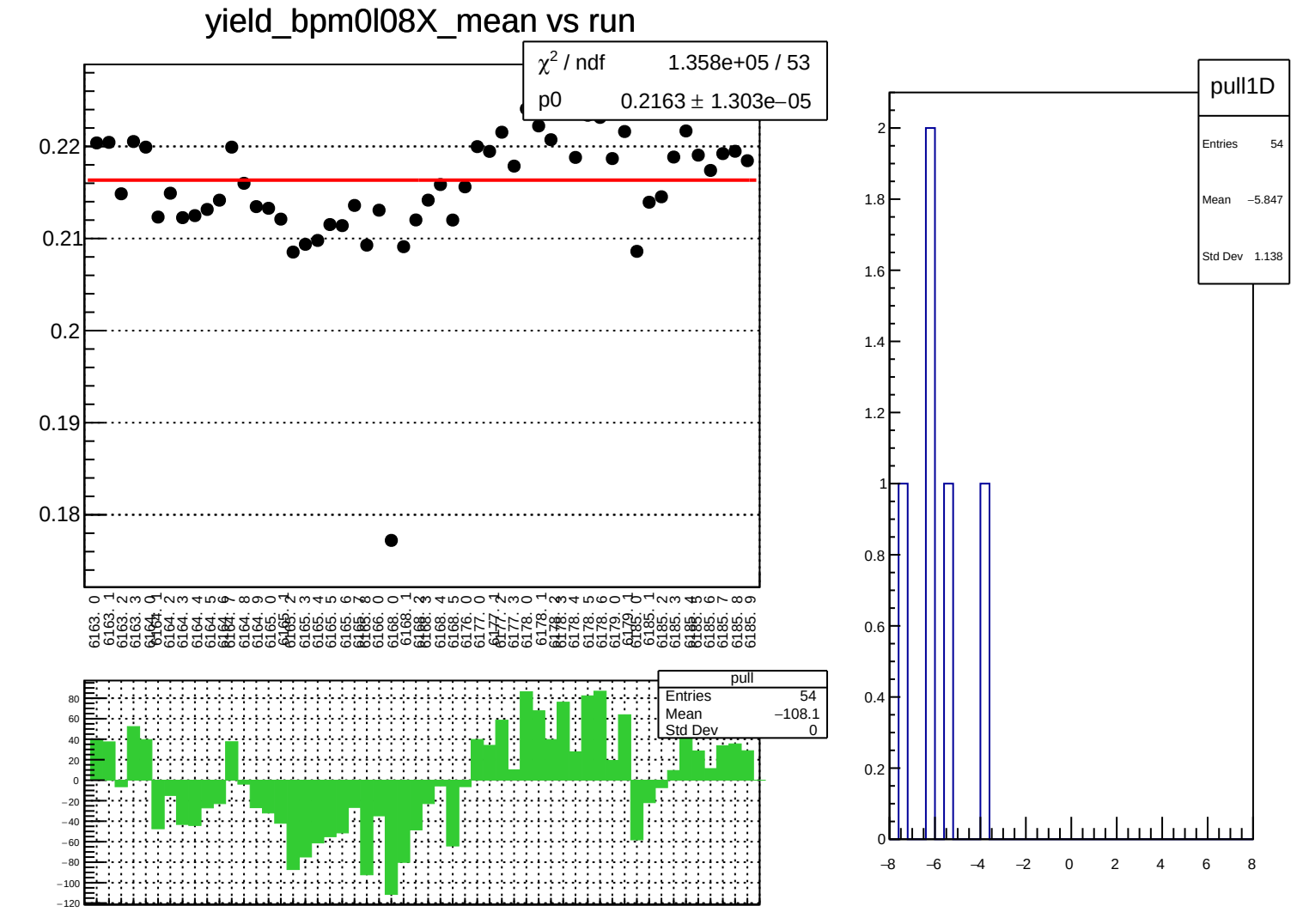

pull1D
Entries 54
Mean 0
Std Dev 0

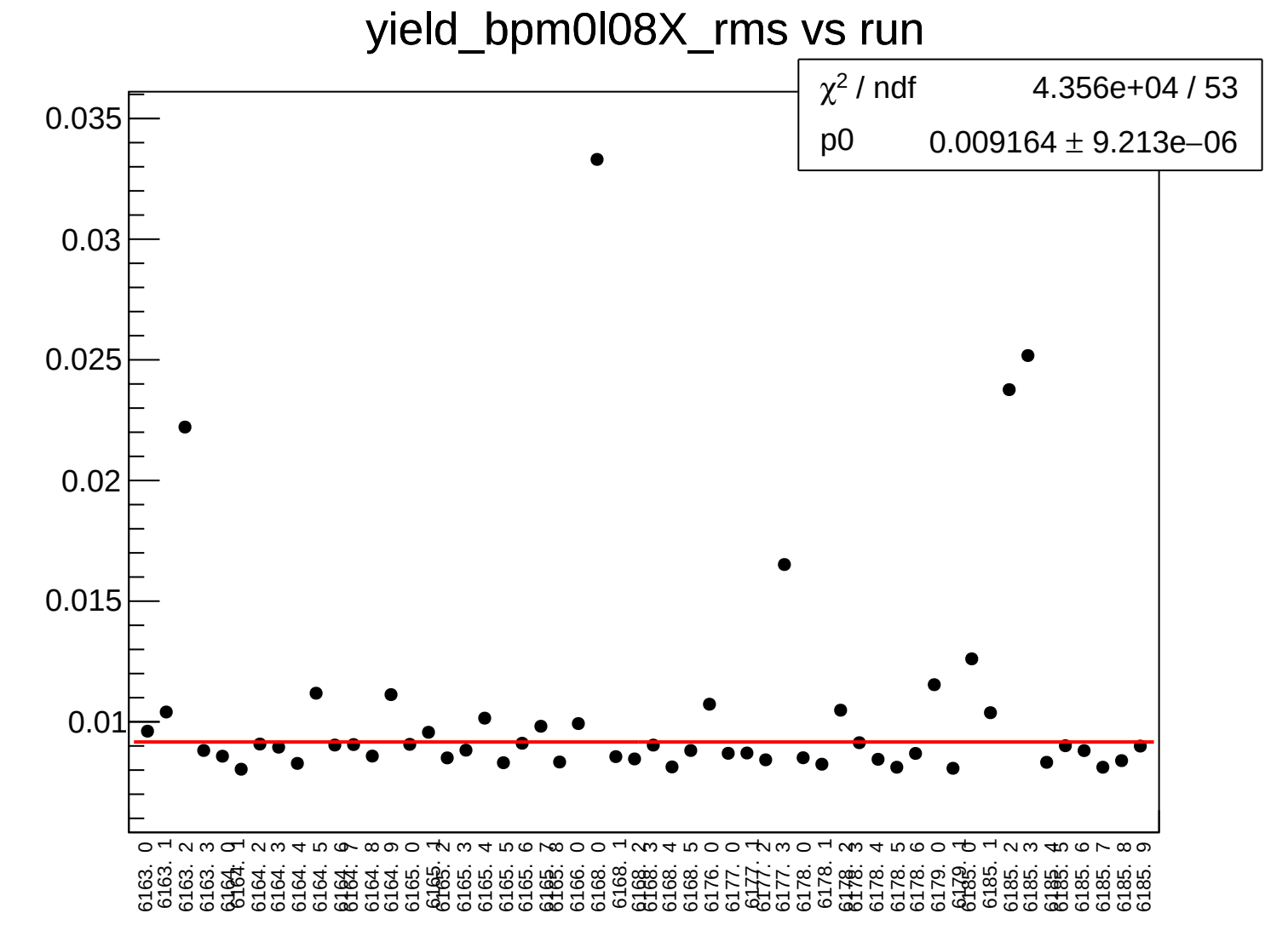

yield_bpm0l07X_rms vs run
χ² / ndf 4.355e+04 / 53
p0 0.01077 ± 1.082e–05
0.03
0.025
0.02
0.015
0.01
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

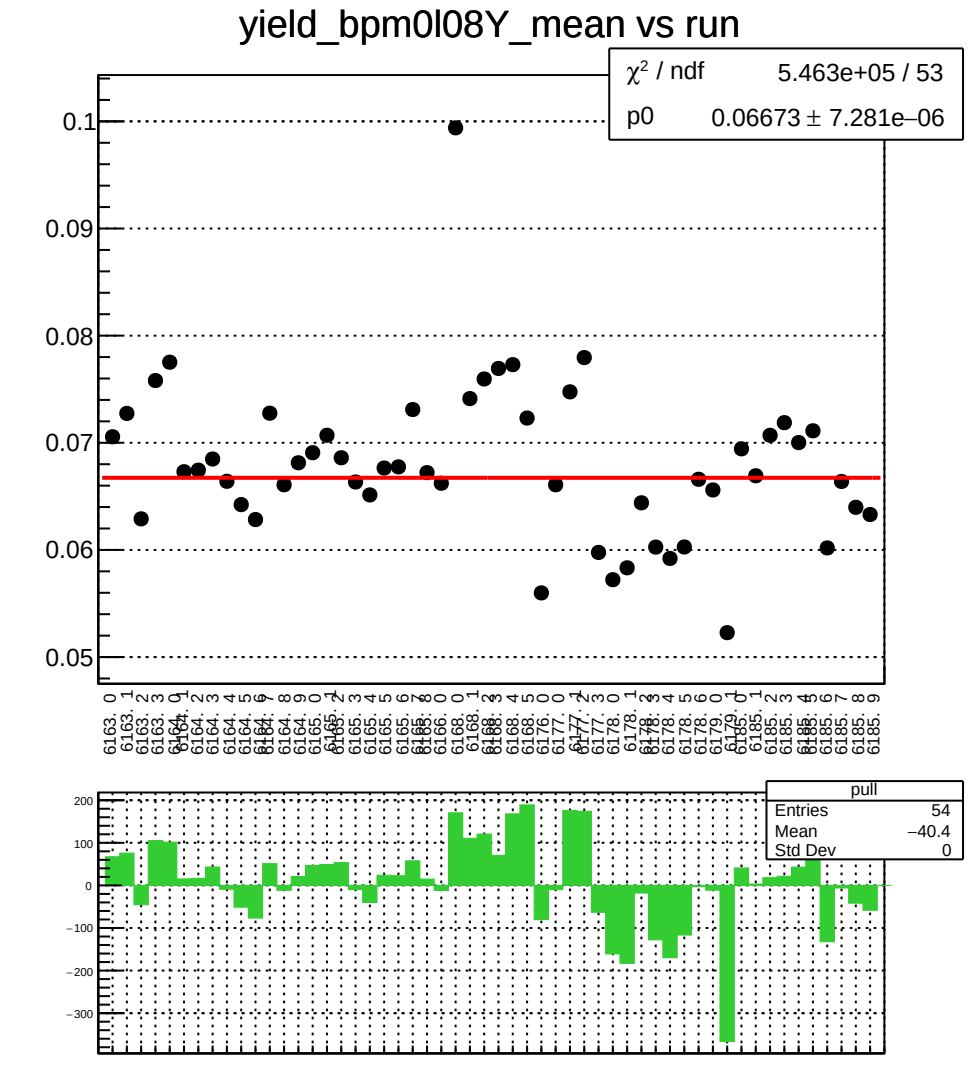

yield_bpm0l07Y_mean vs run
χ² / ndf 1.306e+07 / 53
p0 0.776 ± 3.284e−06
pull
Entries 54
Mean 8732
Std Dev 0

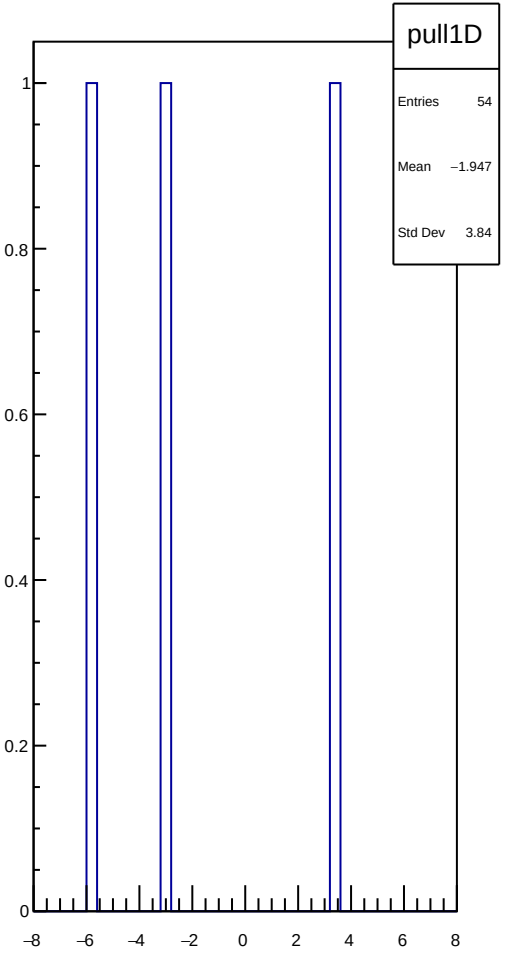

pull1D
Entries 54
Mean 0
Std Dev 0

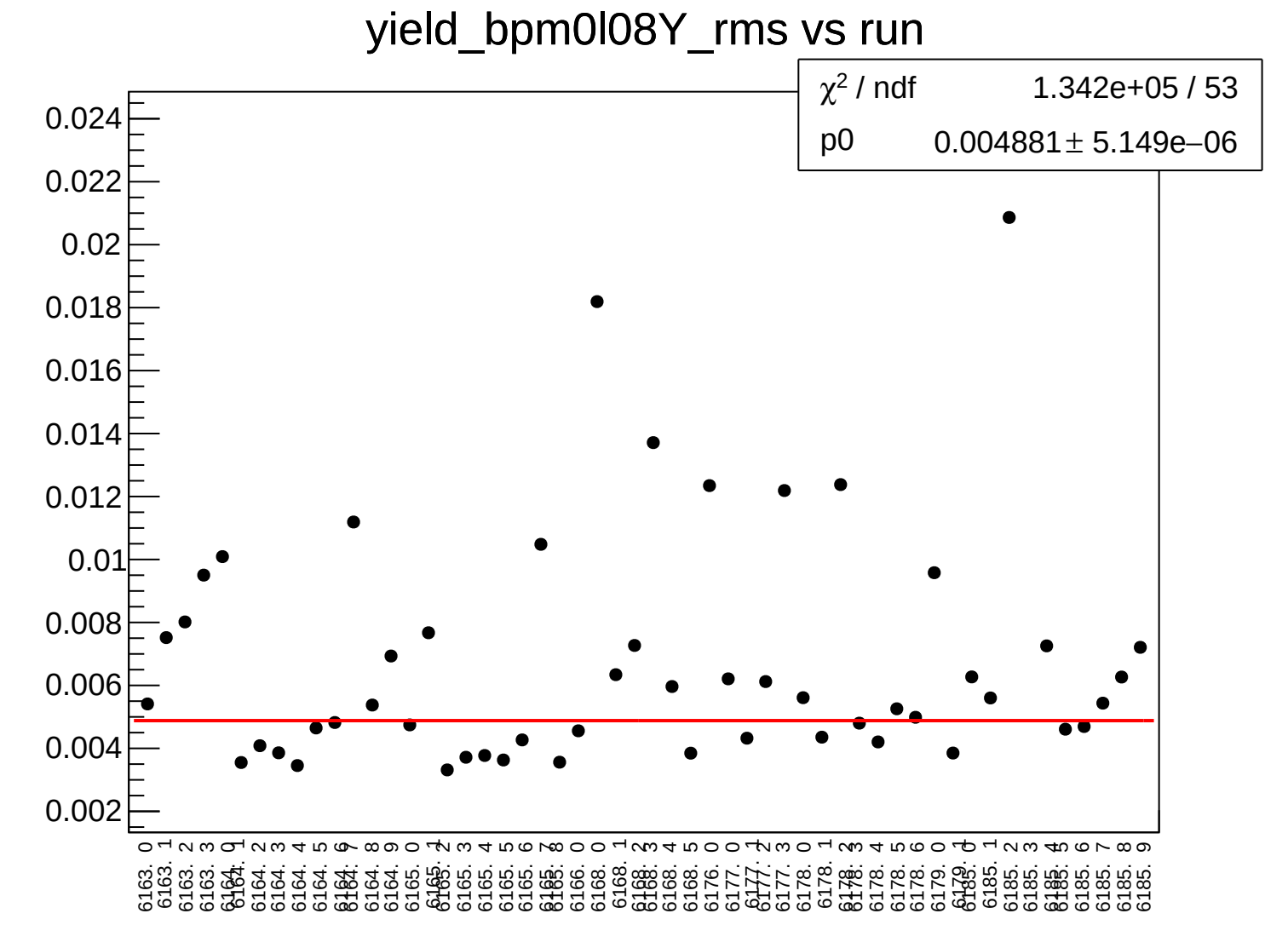

yield_bpm0l07Y_rms vs run
χ² / ndf 4.459e+04 / 53
p0 0.002309 ± 2.322e−06
0.014
0.012
0.01
0.008
0.006
0.004
0.002
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

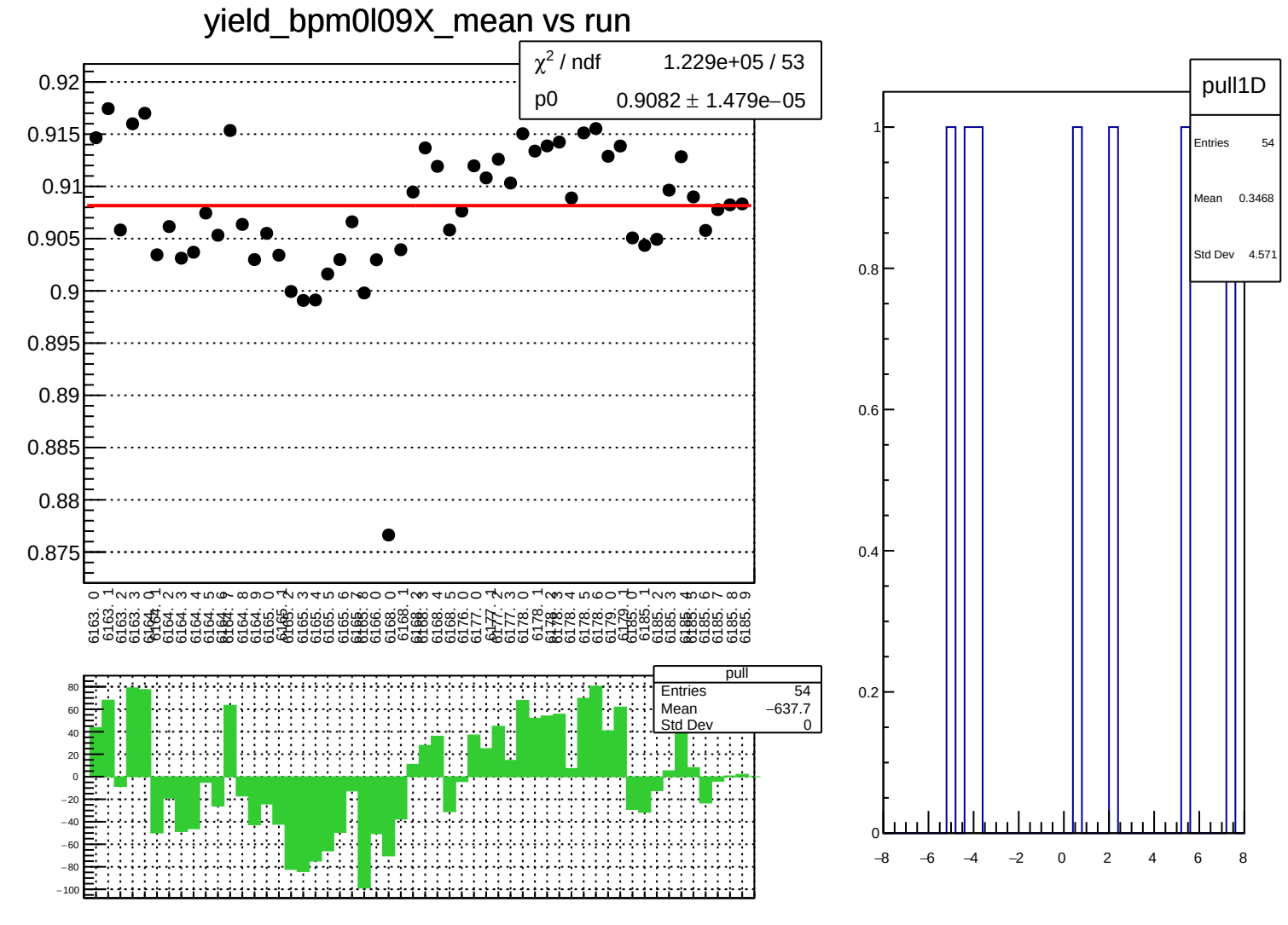

yield_bpm0l08X_mean vs run
χ² / ndf 1.358e+05 / 53
p0 0.2163 ± 1.303e−05
0.22
0.21
0.2
0.19
0.18
pull
Entries 54
Mean −108.1
Std Dev 0
pull1D
Entries 54
Mean −5.847
Std Dev 1.138

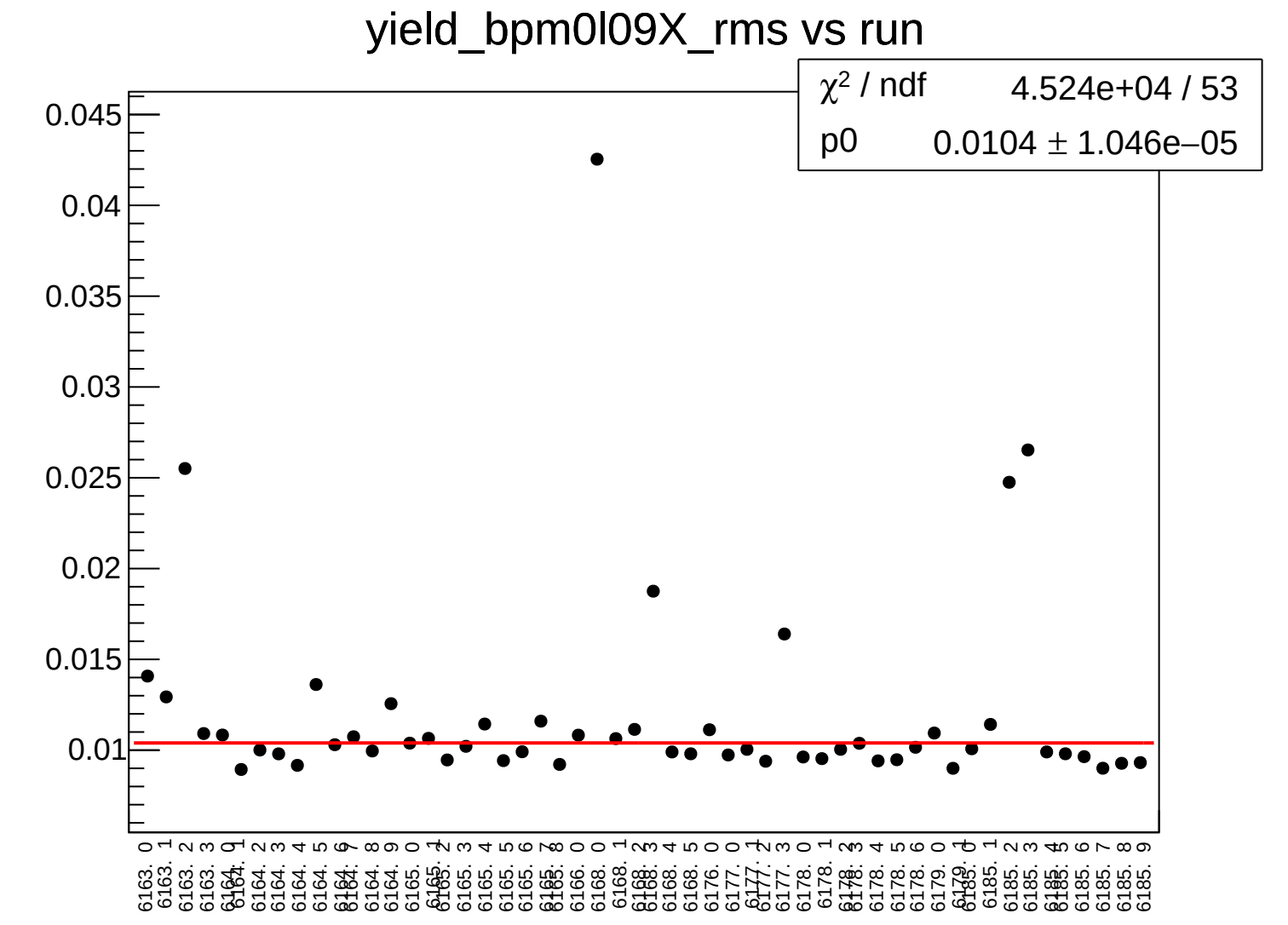

yield_bpm0l08X_rms vs run
χ² / ndf 4.356e+04 / 53
p0 0.009164 ± 9.213e−06
0.035
0.03
0.025
0.02
0.015
0.01
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

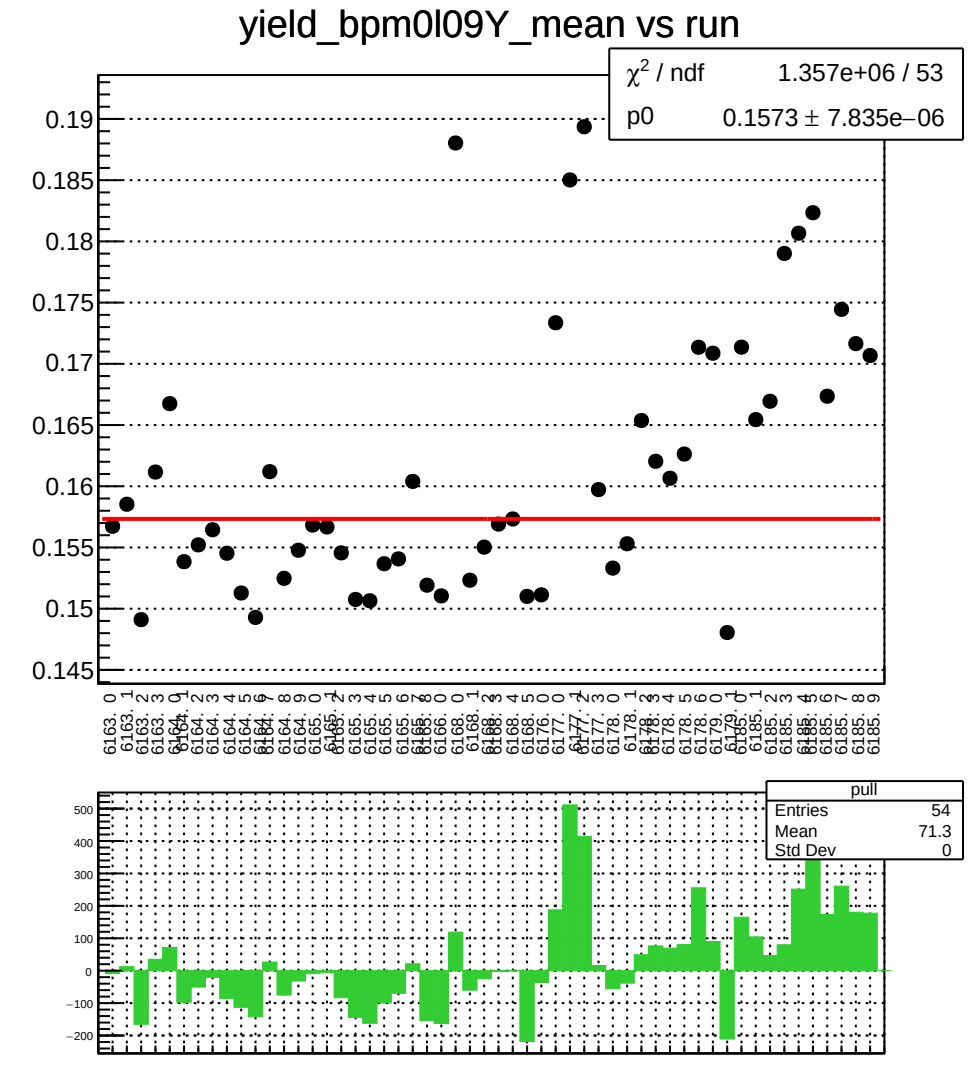

yield_bpm0l08Y_mean vs run
χ² / ndf 5.463e+05 / 53
p0 0.06673 ± 7.281e−06
0.1
0.09
0.08
0.07
0.06
0.05
pull
Entries 54
Mean −40.4
Std Dev 0
200
100
0
−100
−200
−300

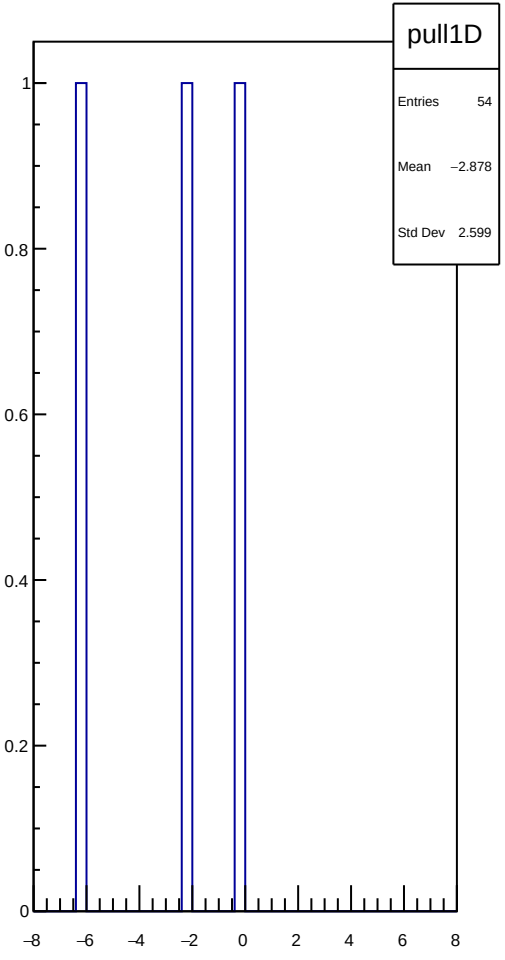

pull1D
Entries 54
Mean −1.947
Std Dev 3.84
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

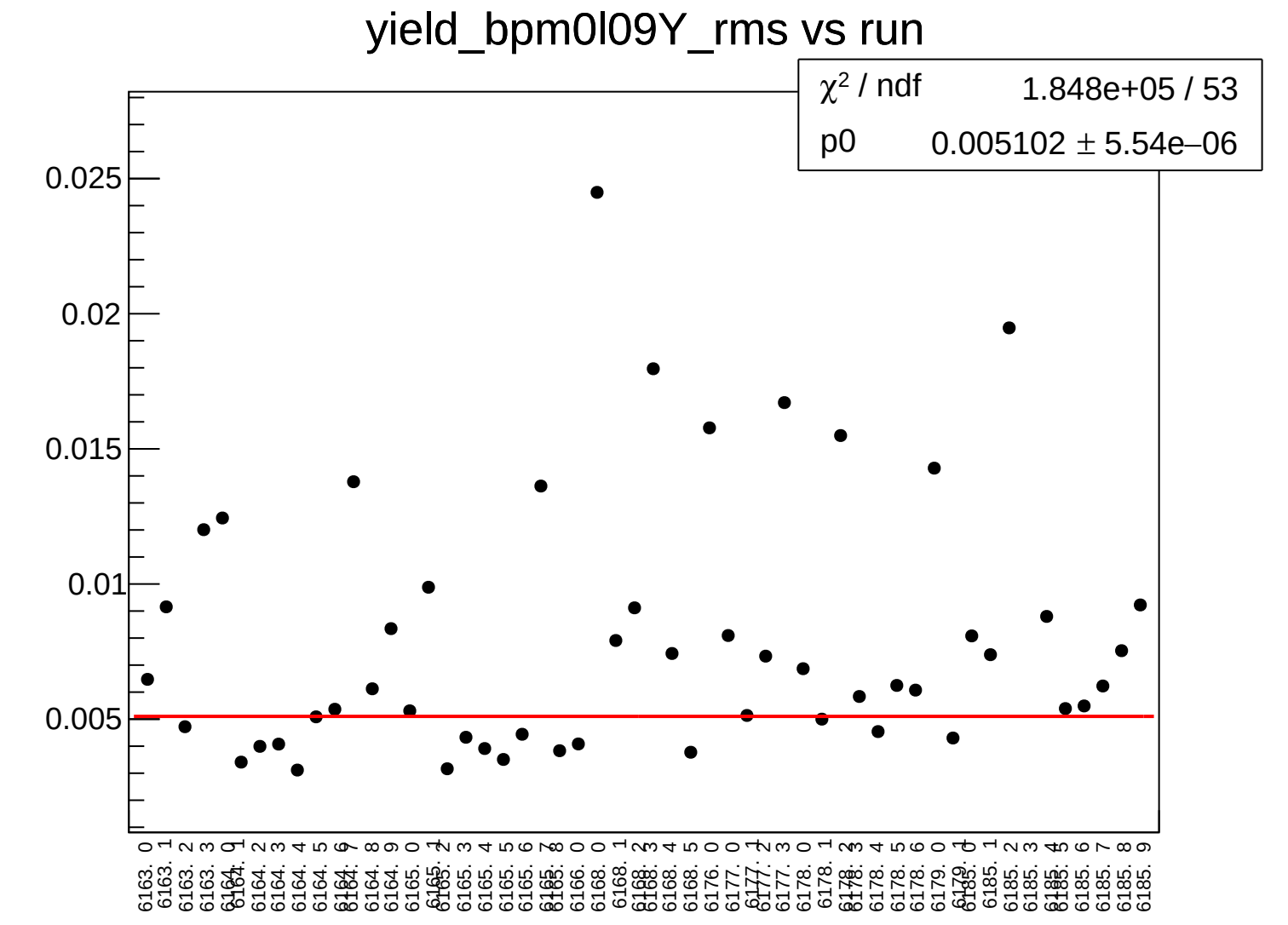

yield_bpm0l08Y_rms vs run
χ² / ndf 1.342e+05 / 53
p0 0.004881 ± 5.149e−06
0.024
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

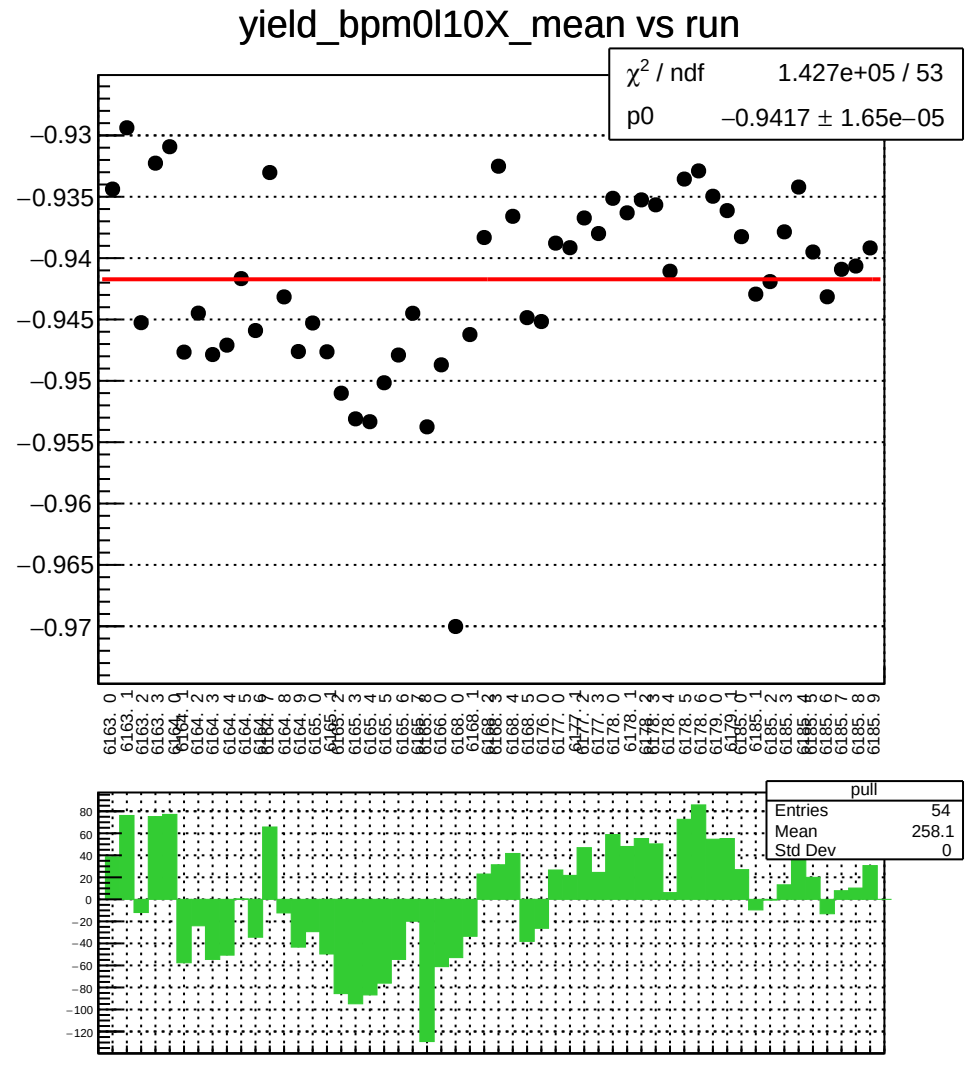

yield_bpm0l09X_mean vs run
χ² / ndf 1.229e+05 / 53
p0 0.9082 ± 1.479e−05
pull
Entries 54
Mean −637.7
Std Dev 0
pull1D
Entries 54
Mean 0.3468
Std Dev 4.571

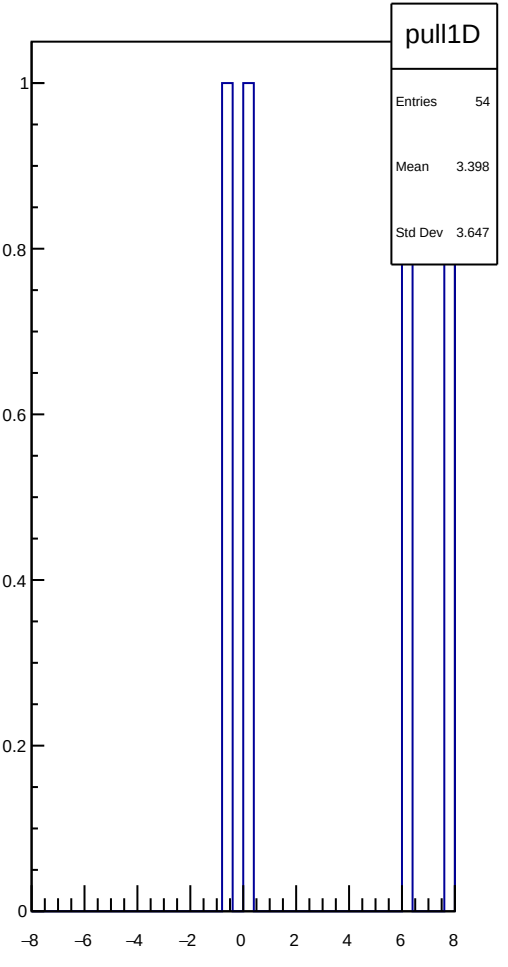

yield_bpm0l09X_rms vs run
χ² / ndf 4.524e+04 / 53
p0 0.0104 ± 1.046e−05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

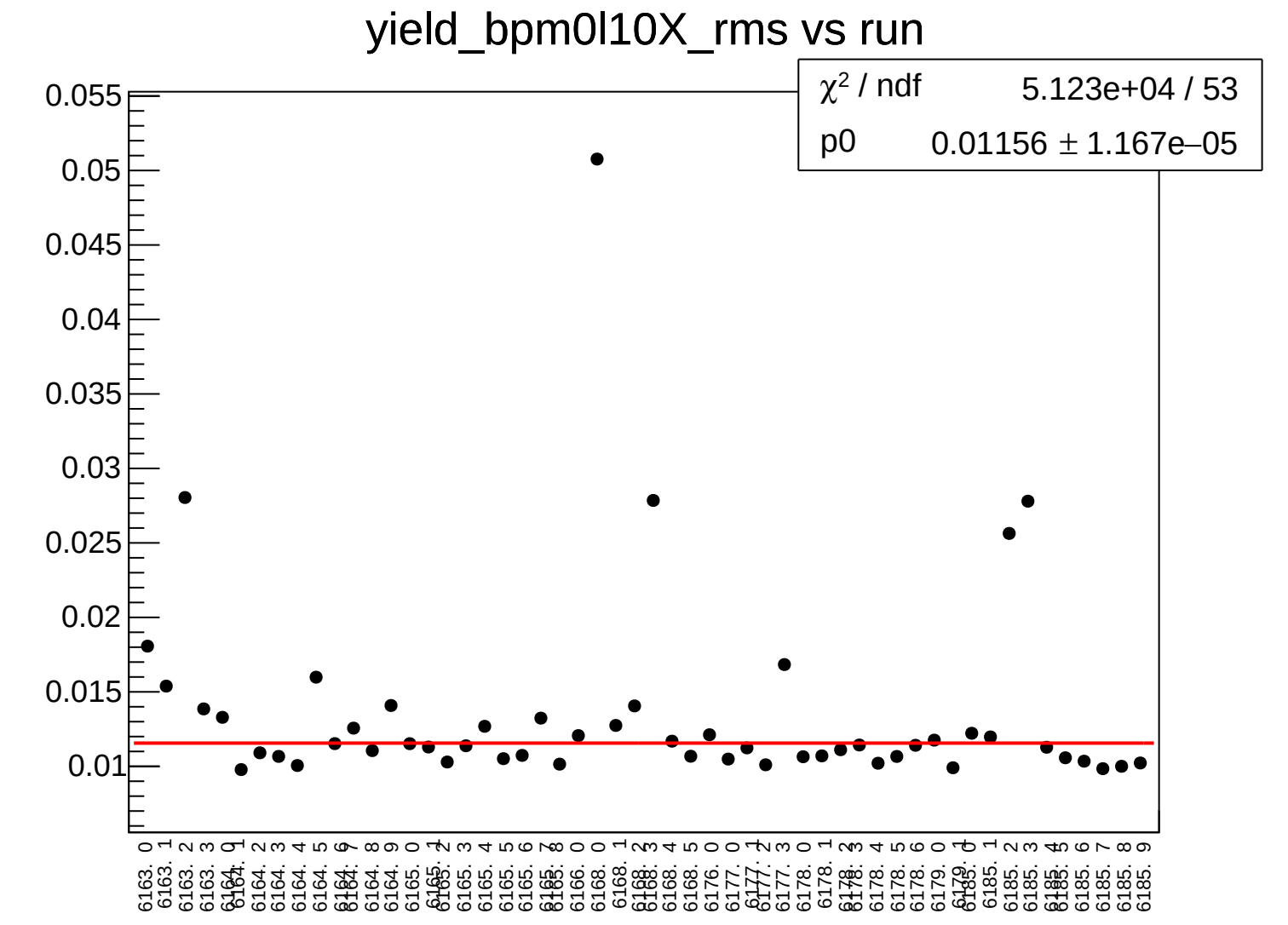

yield_bpm0l09Y_mean vs run
χ² / ndf 1.357e+06 / 53
p0 0.1573 ± 7.835e−06
pull
Entries 54
Mean 71.3
Std Dev 0

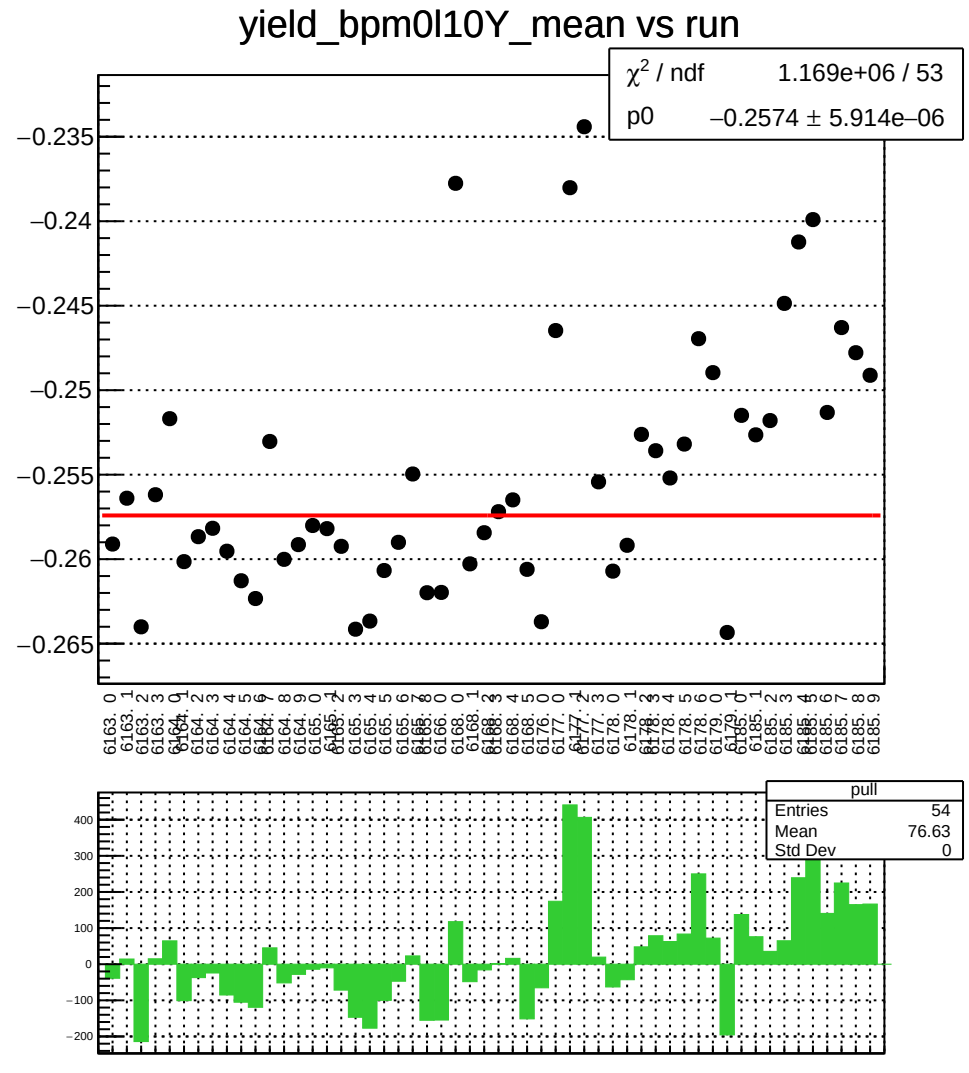

pull1D
Entries 54
Mean −2.878
Std Dev 2.599

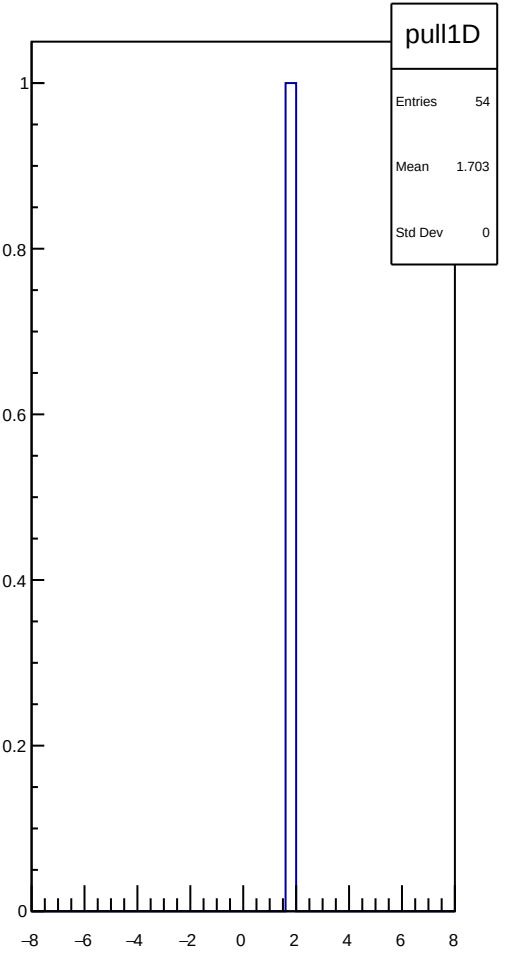

yield_bpm0l09Y_rms vs run
χ² / ndf 1.848e+05 / 53
p0 0.005102 ± 5.54e−06
0.025
0.02
0.015
0.01
0.005
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 3
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

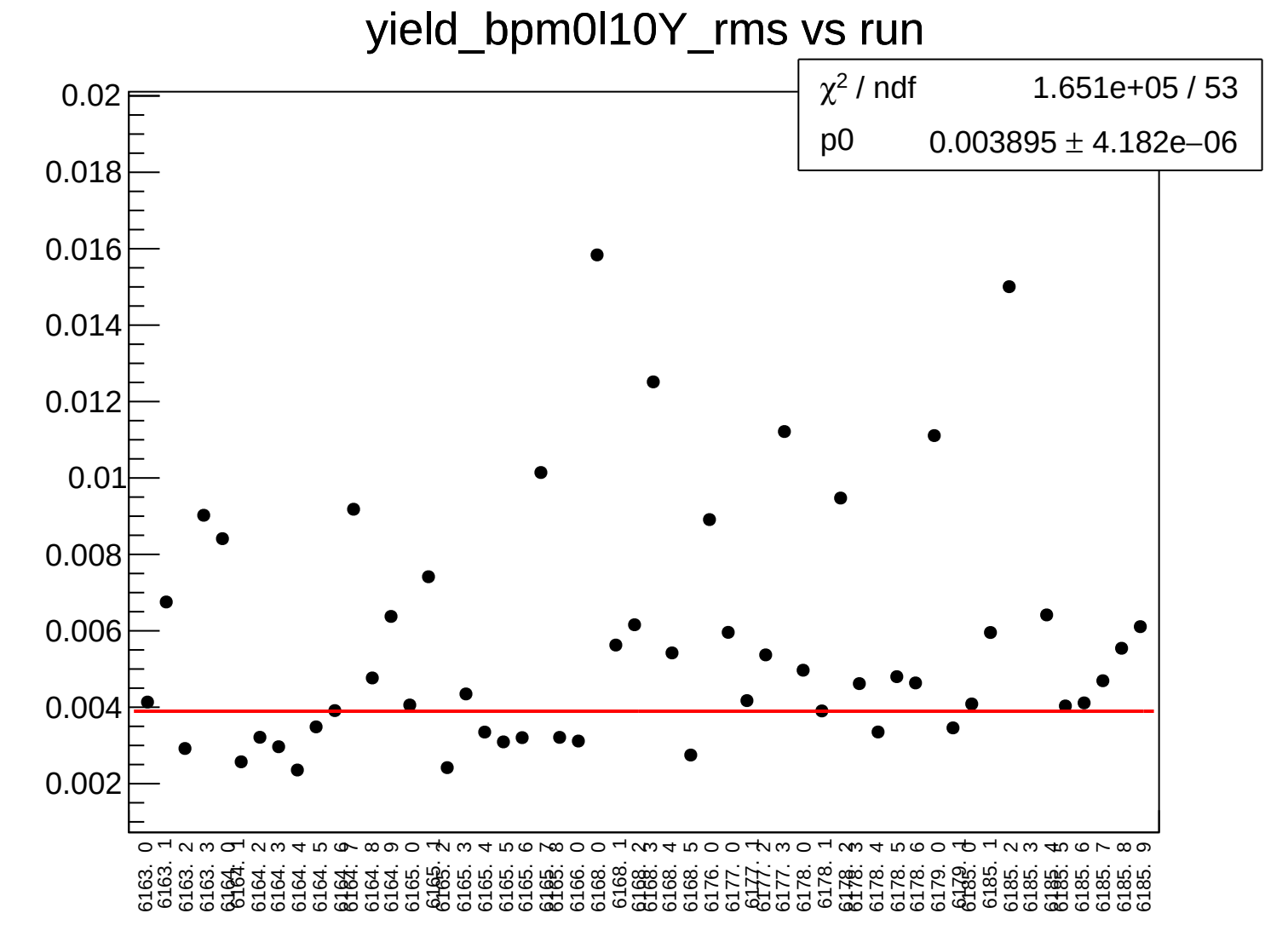

yield_bpm0l10X_mean vs run
χ² / ndf 1.427e+05 / 53
p0 −0.9417 ± 1.65e−05
−0.93
−0.935
−0.94
−0.945
−0.95
−0.955
−0.96
−0.965
−0.97
pull
Entries 54
Mean 258.1
Std Dev 0
80
60
40
20
0
−20
−40
−60
−80
−100
−120

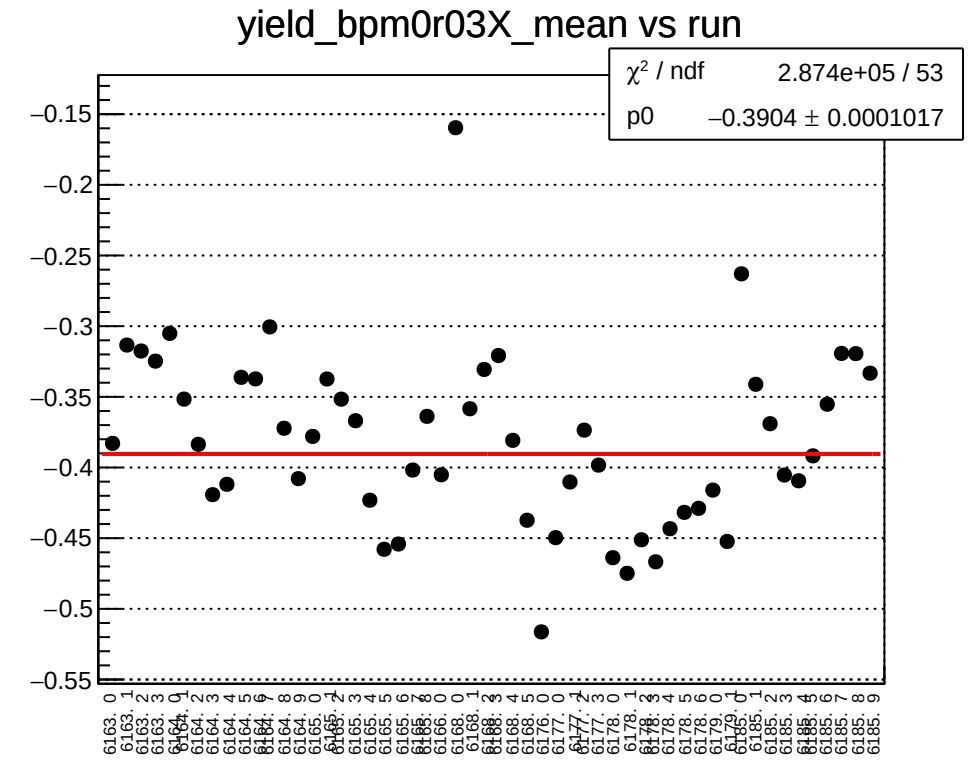

pull1D
Entries 54
Mean 3.398
Std Dev 3.647
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

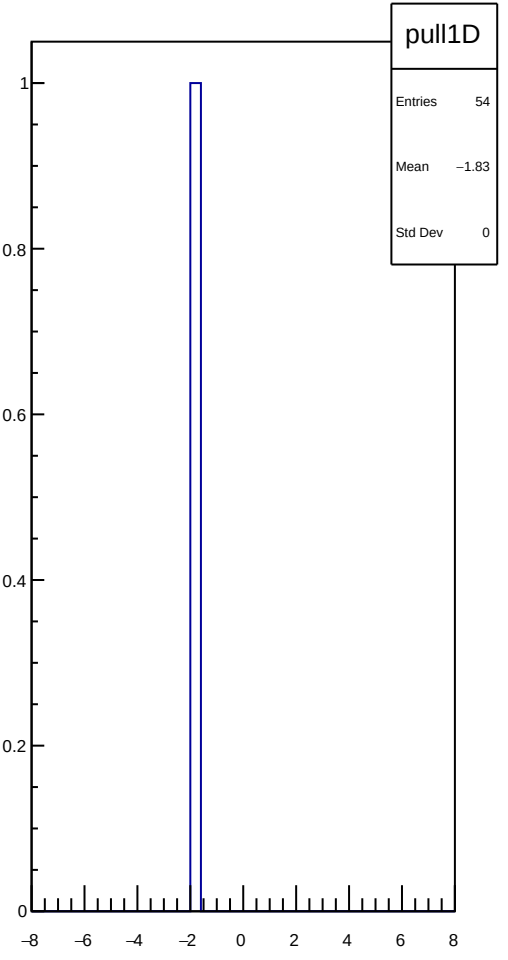

yield_bpm0l10X_rms vs run
χ² / ndf 5.123e+04 / 53
p0 0.01156 ± 1.167e–05
0.055
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

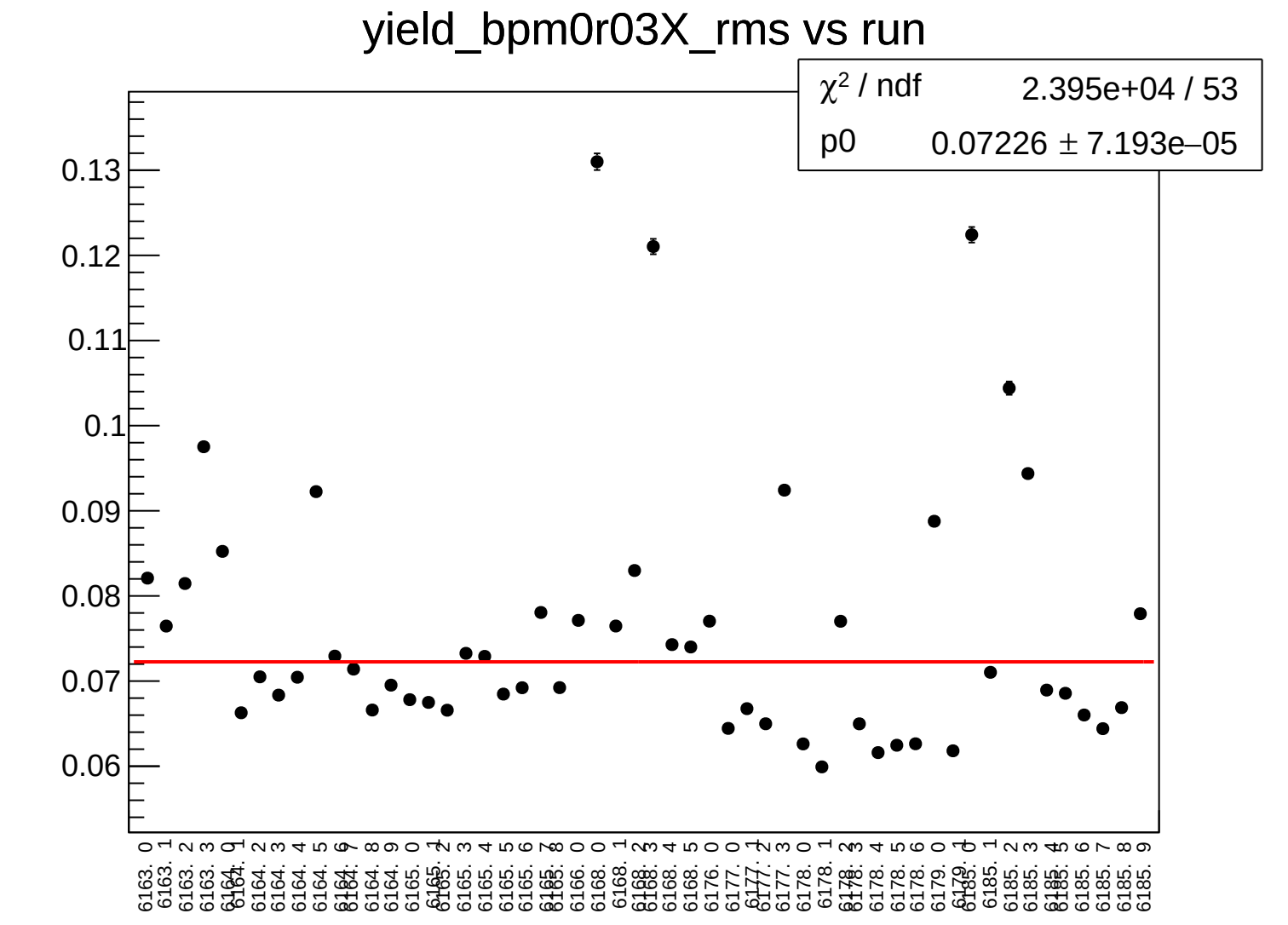

yield_bpm0l10Y_mean vs run
χ² / ndf 1.169e+06 / 53
p0 −0.2574 ± 5.914e−06
−0.235
−0.24
−0.245
−0.25
−0.255
−0.26
−0.265
pull
Entries 54
Mean 76.63
Std Dev 0
400
300
200
100
0
−100
−200

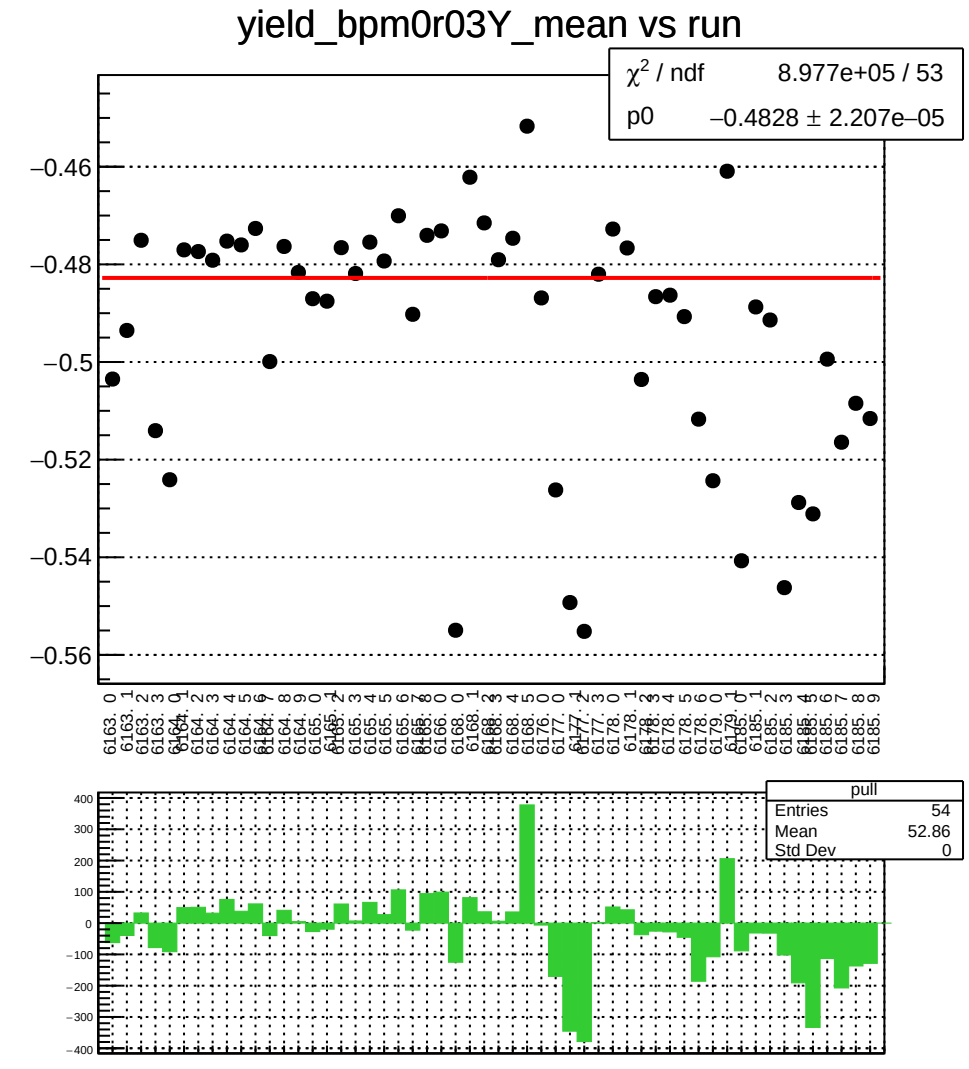

pull1D
Entries 54
Mean 1.703
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

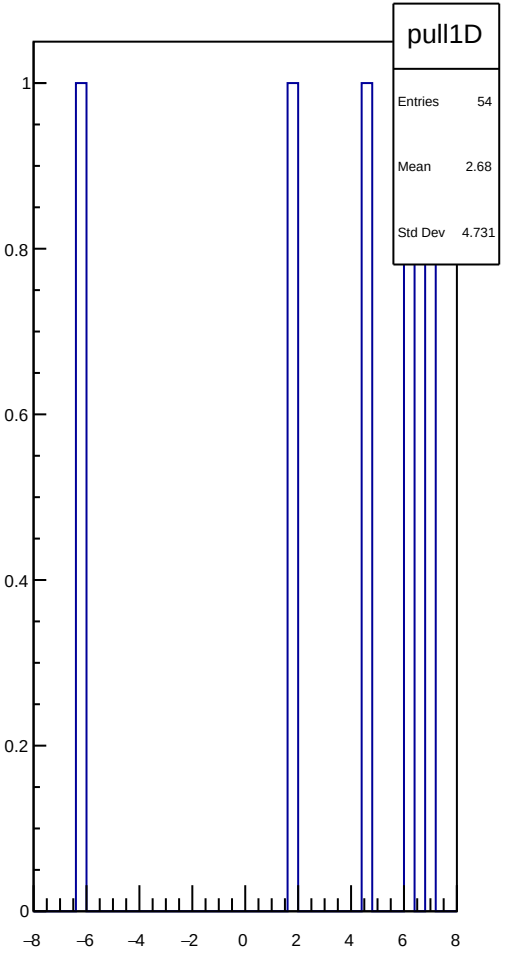

yield_bpm0l10Y_rms vs run
χ² / ndf 1.651e+05 / 53
p0 0.003895 ± 4.182e−06
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

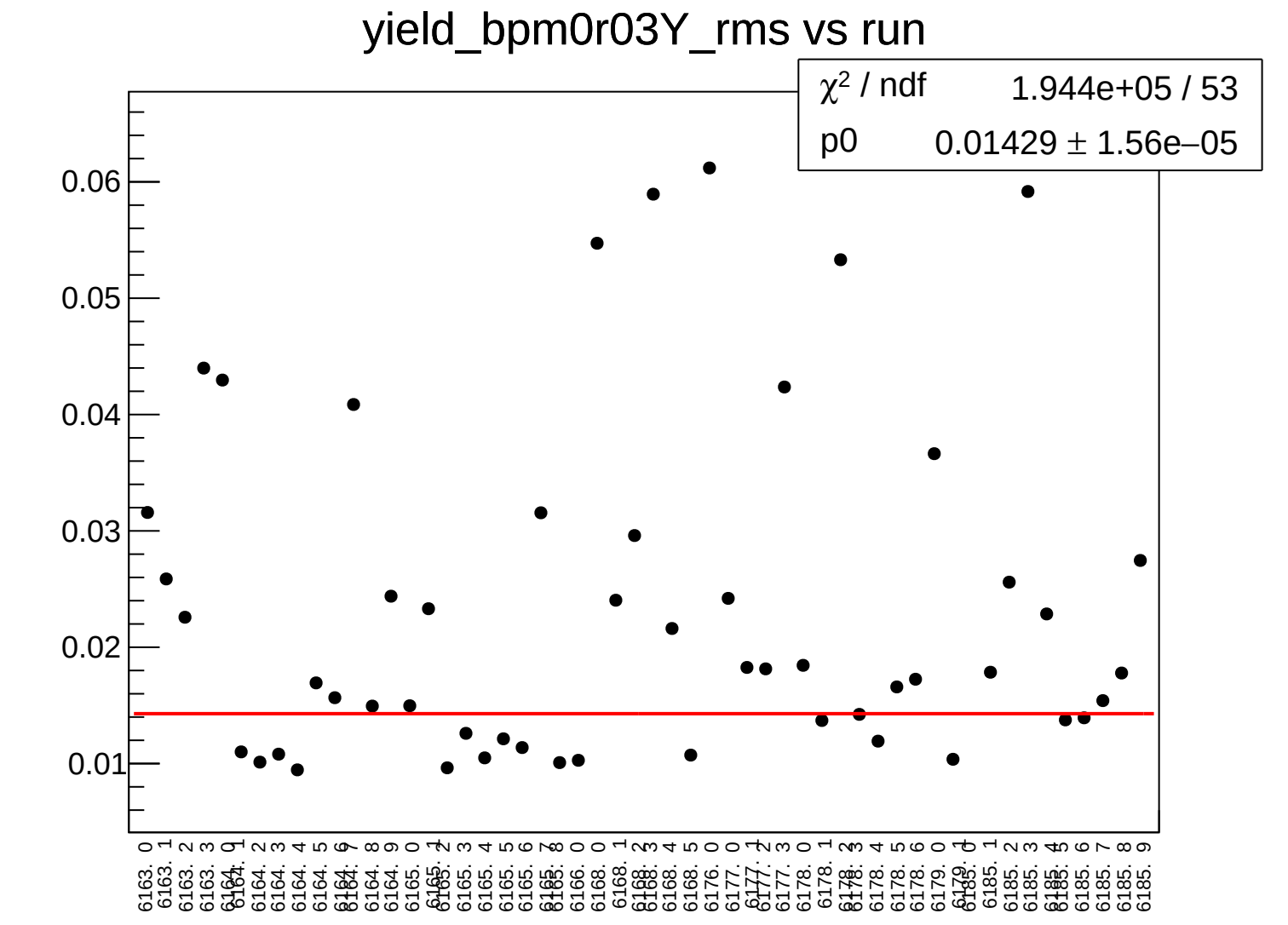

yield_bpm0r03X_mean vs run
χ² / ndf 2.874e+05 / 53
p0 −0.3904 ± 0.0001017
−0.15
−0.2
−0.25
−0.3
−0.35
−0.4
−0.45
−0.5
−0.55
pull
Entries 54
Mean −17.24
Std Dev 0
150
100
50
0
−50
−100
−150

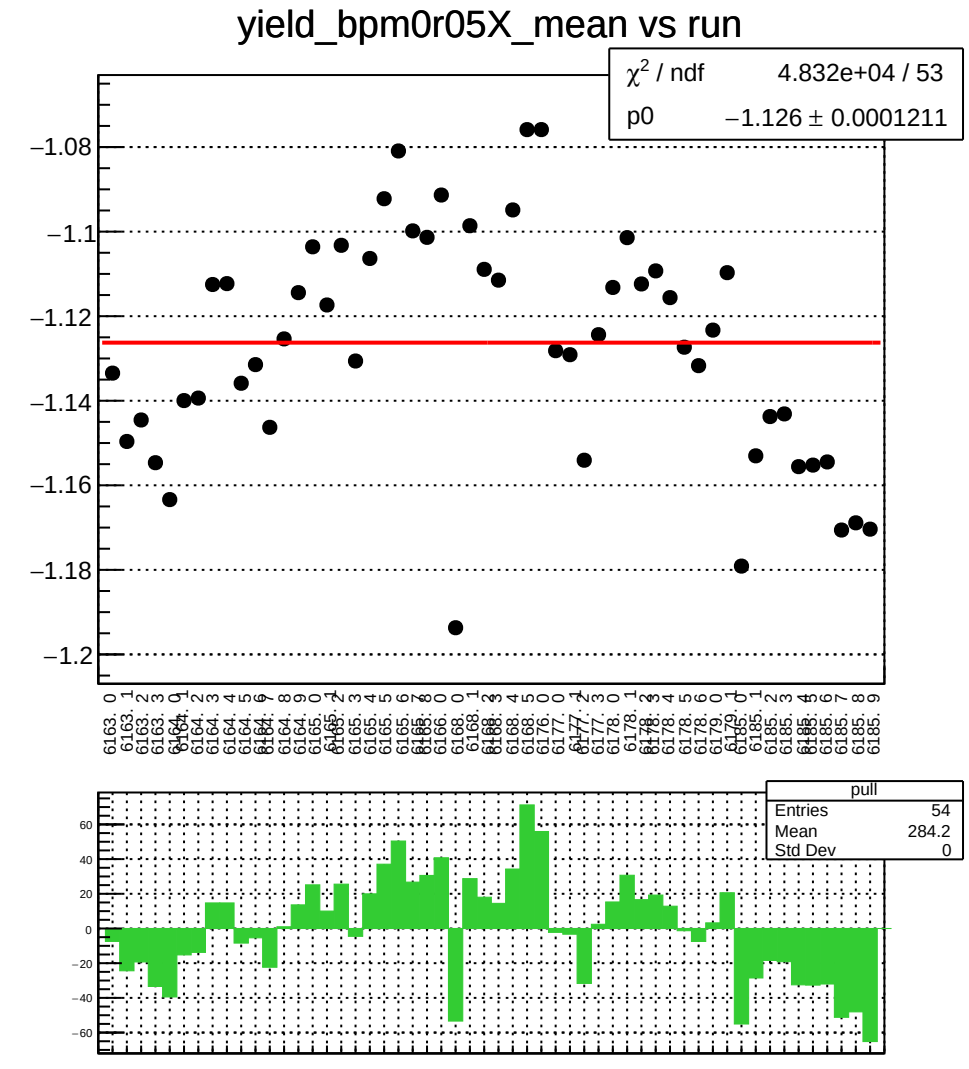

pull1D
Entries 54
Mean −1.83
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

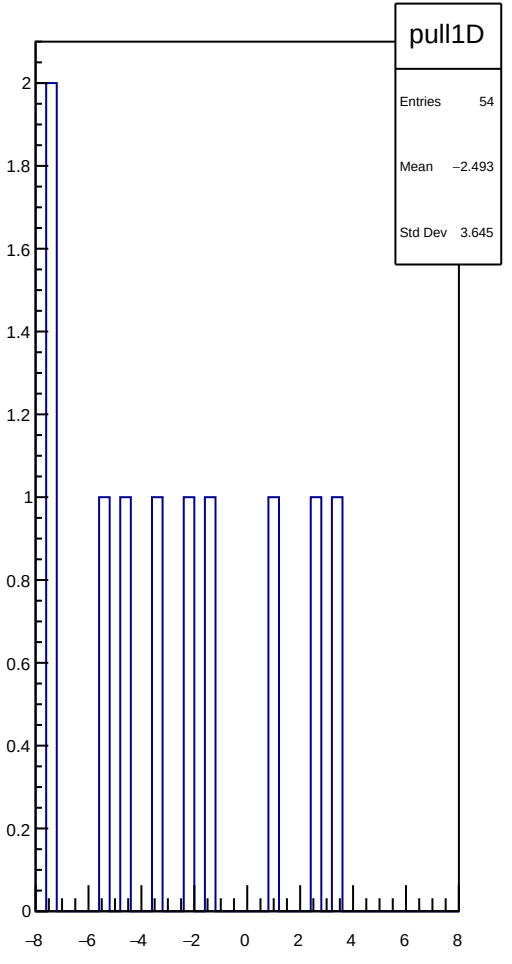

yield_bpm0r03X_rms vs run
χ² / ndf 2.395e+04 / 53
p0 0.07226 ± 7.193e–05
0.13
0.12
0.11
0.1
0.09
0.08
0.07
0.06
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

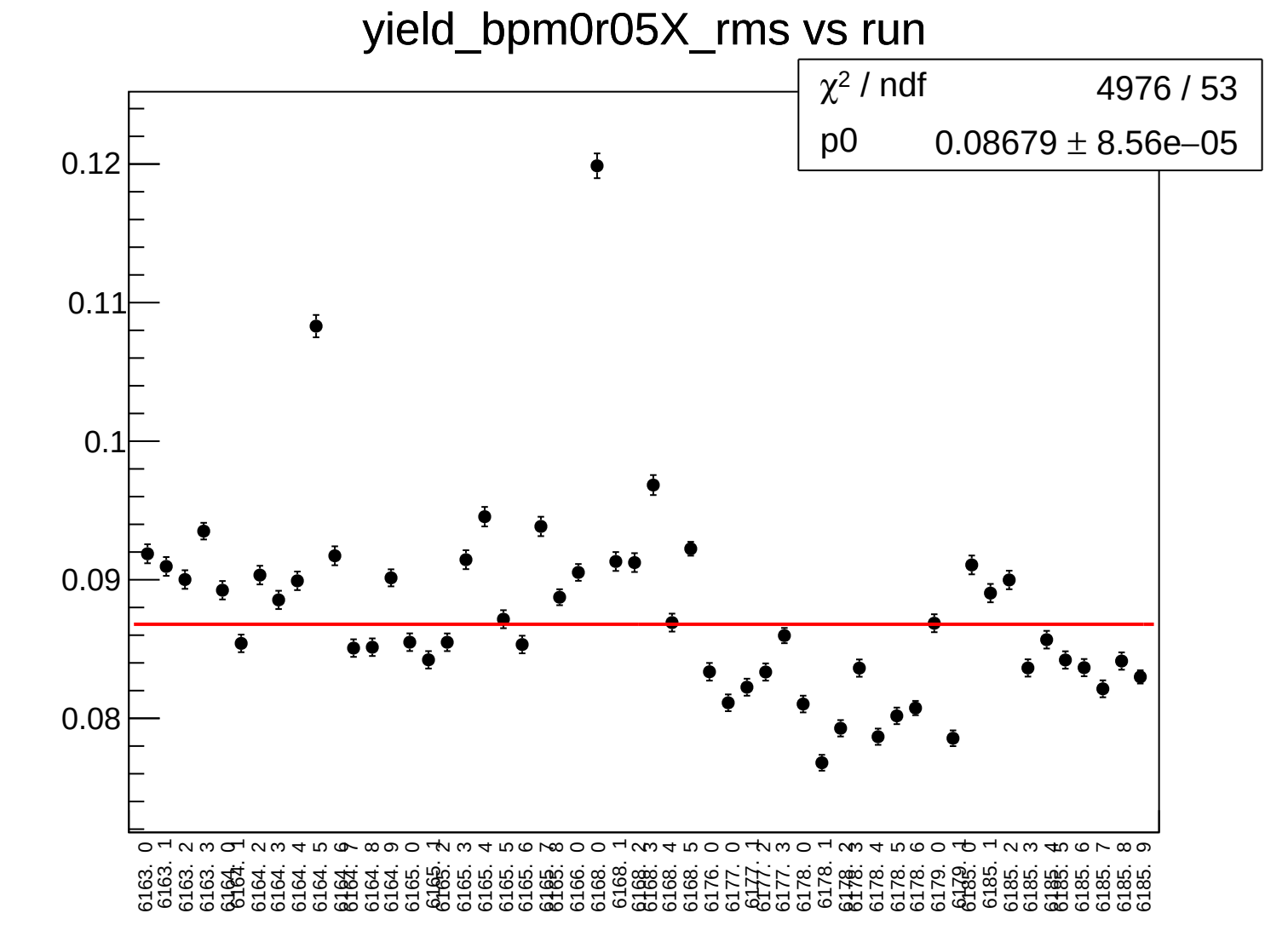

yield_bpm0r03Y_mean vs run
χ² / ndf 8.977e+05 / 53
p0 −0.4828 ± 2.207e−05
−0.46
−0.48
−0.5
−0.52
−0.54
−0.56
pull
Entries 54
Mean 52.86
Std Dev 0
400
300
200
100
0
−100
−200
−300
−400

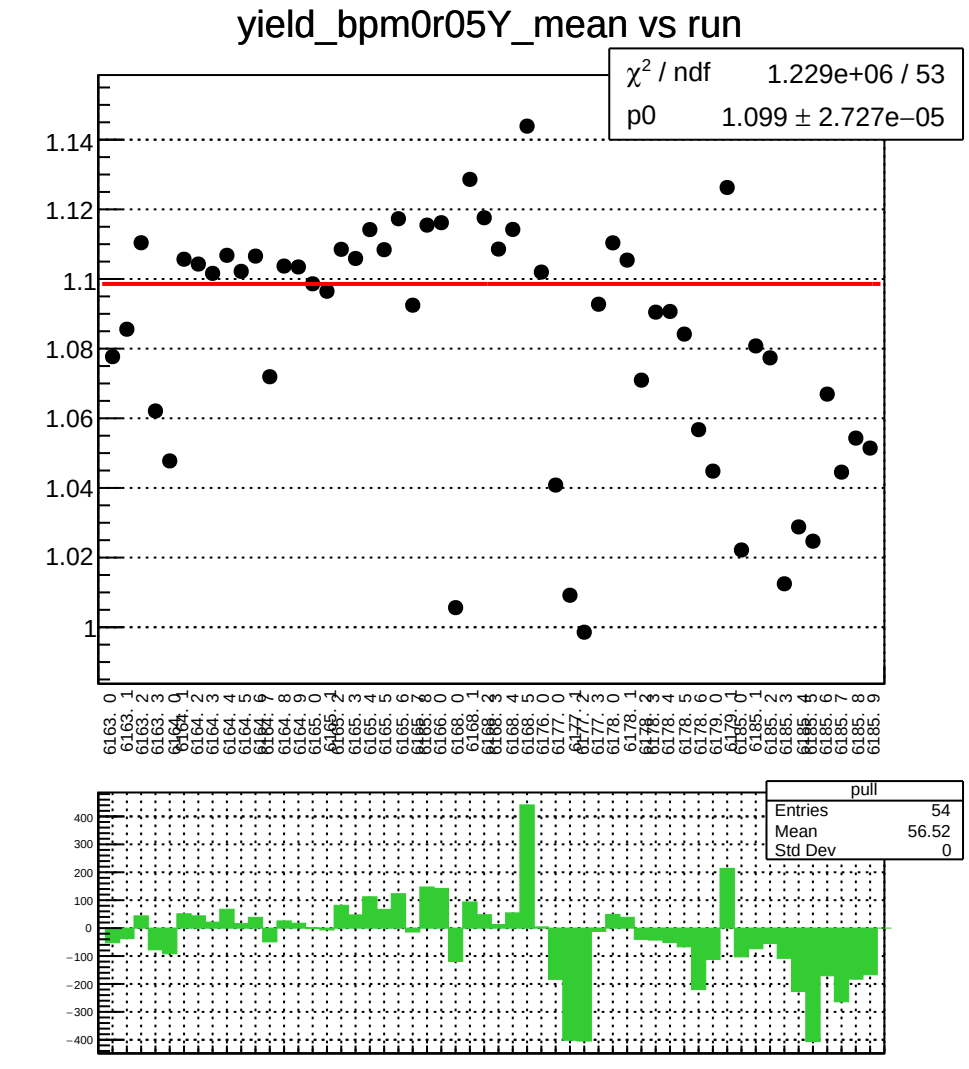

pull1D
Entries 54
Mean 2.68
Std Dev 4.731
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

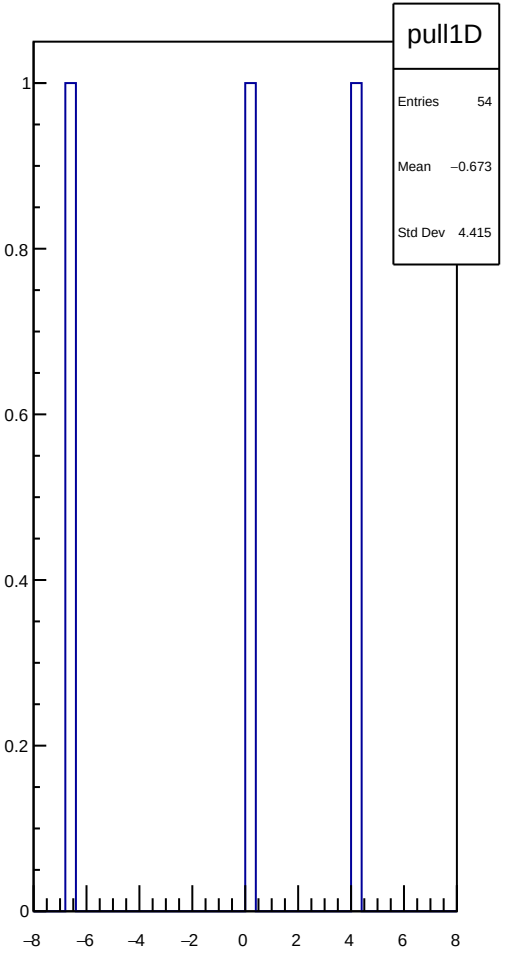

yield_bpm0r03Y_rms vs run
χ² / ndf 1.944e+05 / 53
p0 0.01429 ± 1.56e−05
0.06
0.05
0.04
0.03
0.02
0.01
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

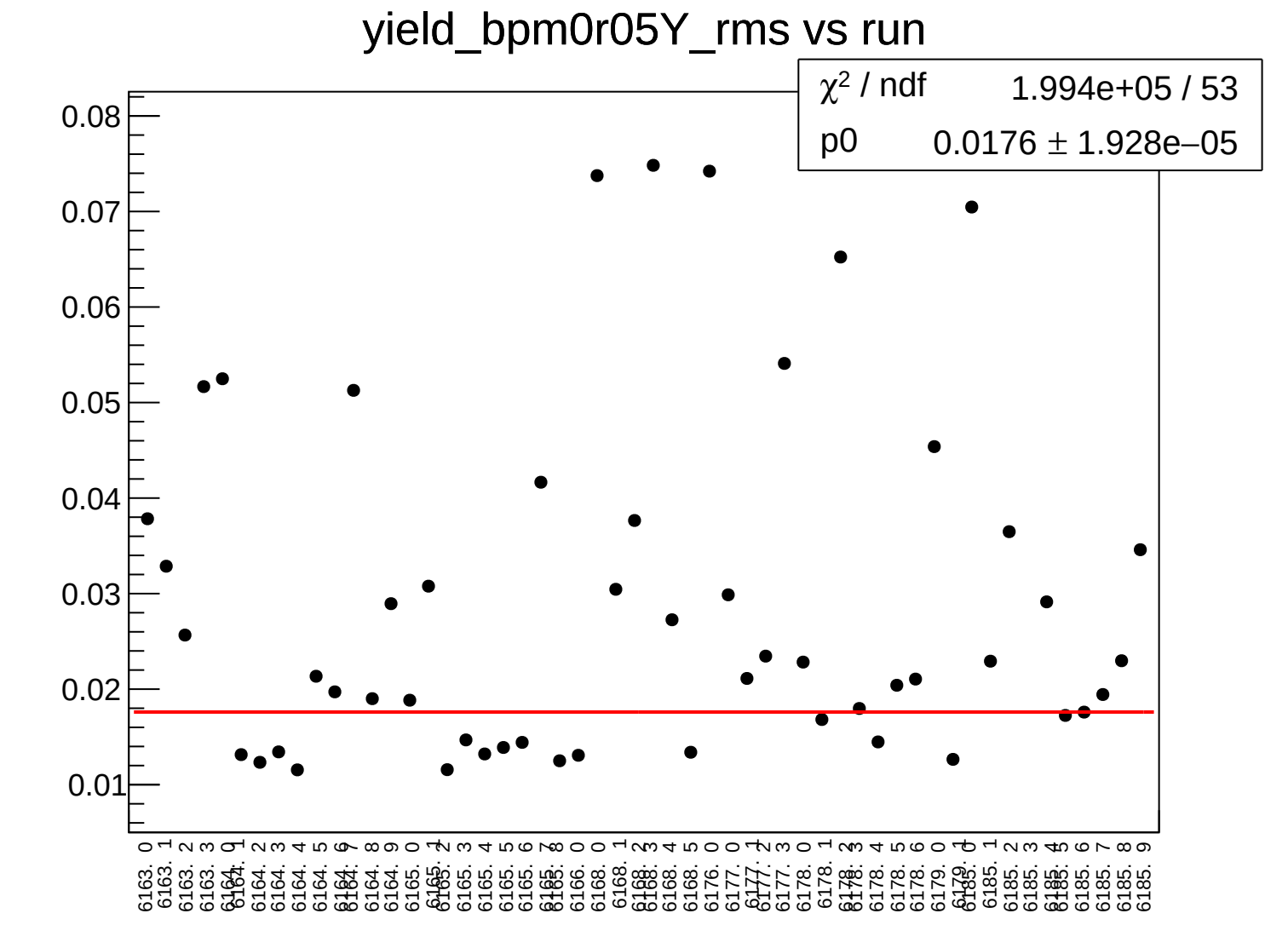

yield_bpm0r05X_mean vs run
χ² / ndf 4.832e+04 / 53
p0 −1.126 ± 0.0001211
−1.08
−1.1
−1.12
−1.14
−1.16
−1.18
−1.2
pull
Entries 54
Mean 284.2
Std Dev 0
60
40
20
0
−20
−40
−60

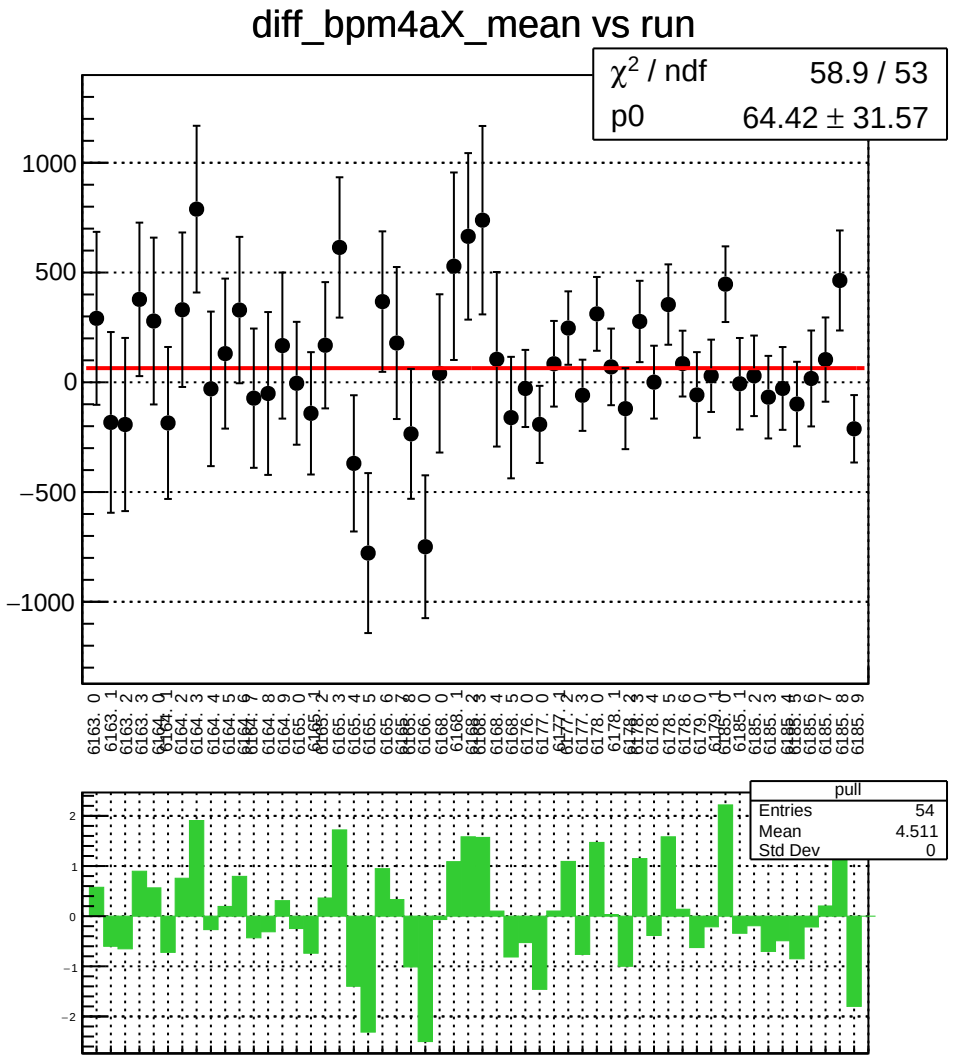

pull1D
Entries 54
Mean −2.493
Std Dev 3.645
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

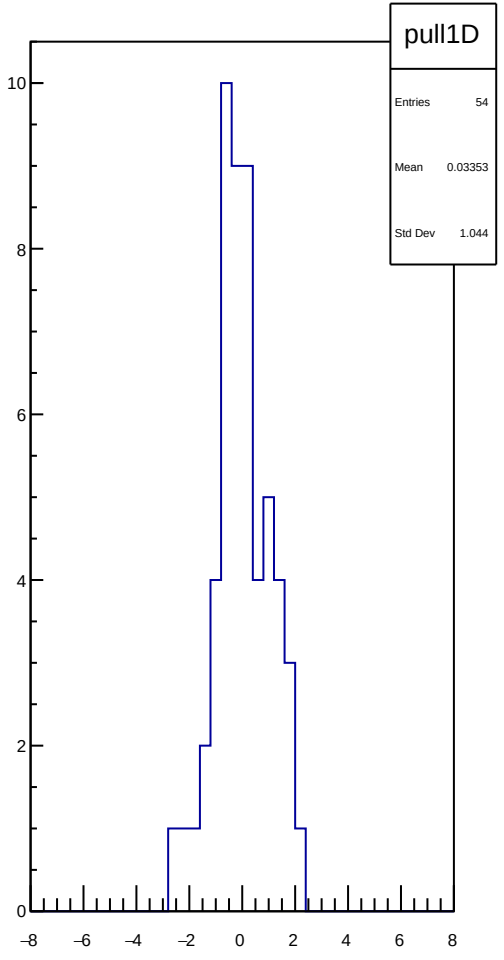

yield_bpm0r05X_rms vs run
χ² / ndf 4976 / 53
p0 0.08679 ± 8.56e–05
0.12
0.11
0.1
0.09
0.08
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

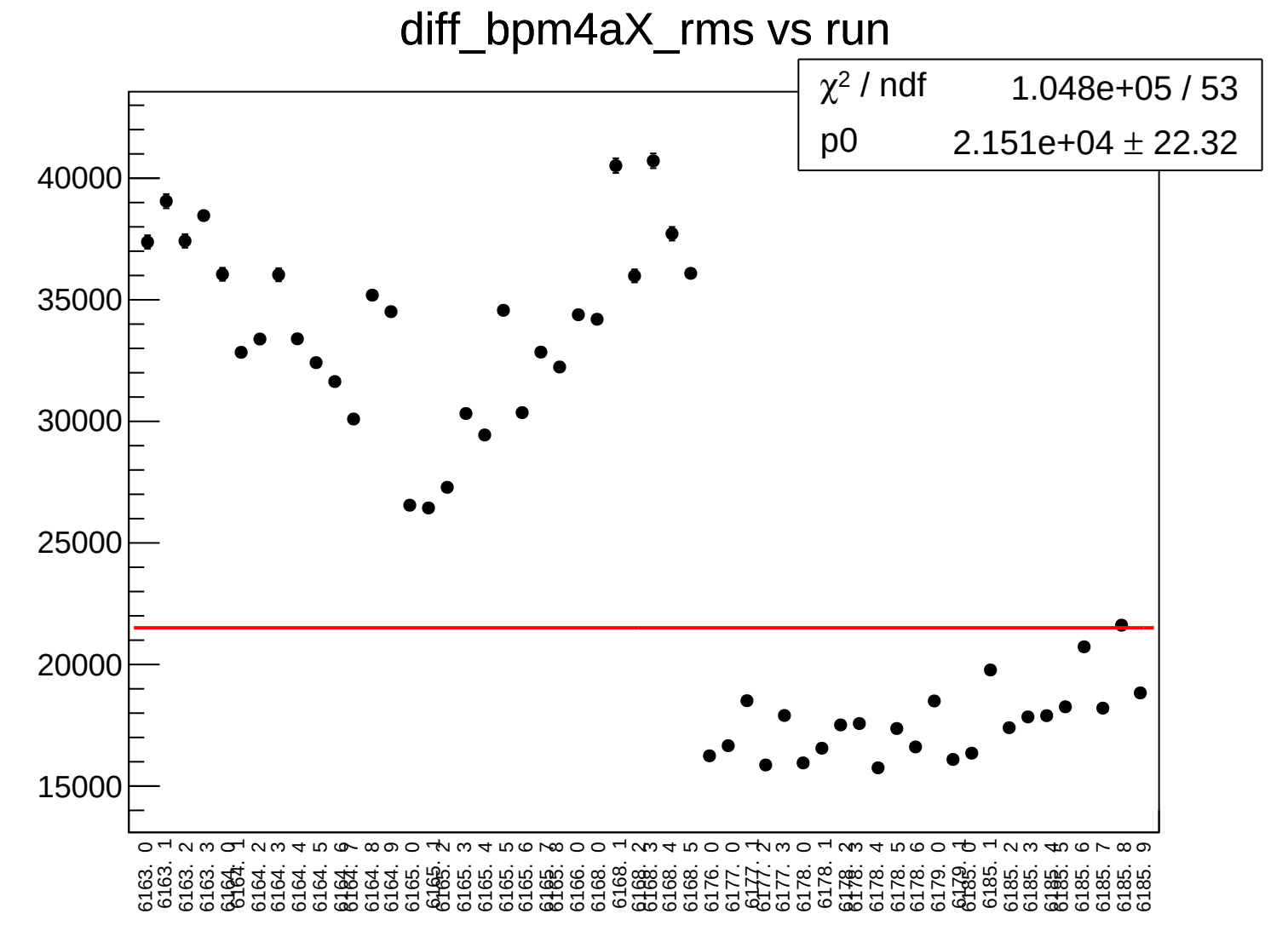

yield_bpm0r05Y_mean vs run
χ² / ndf 1.229e+06 / 53
p0 1.099 ± 2.727e−05
pull
Entries 54
Mean 56.52
Std Dev 0

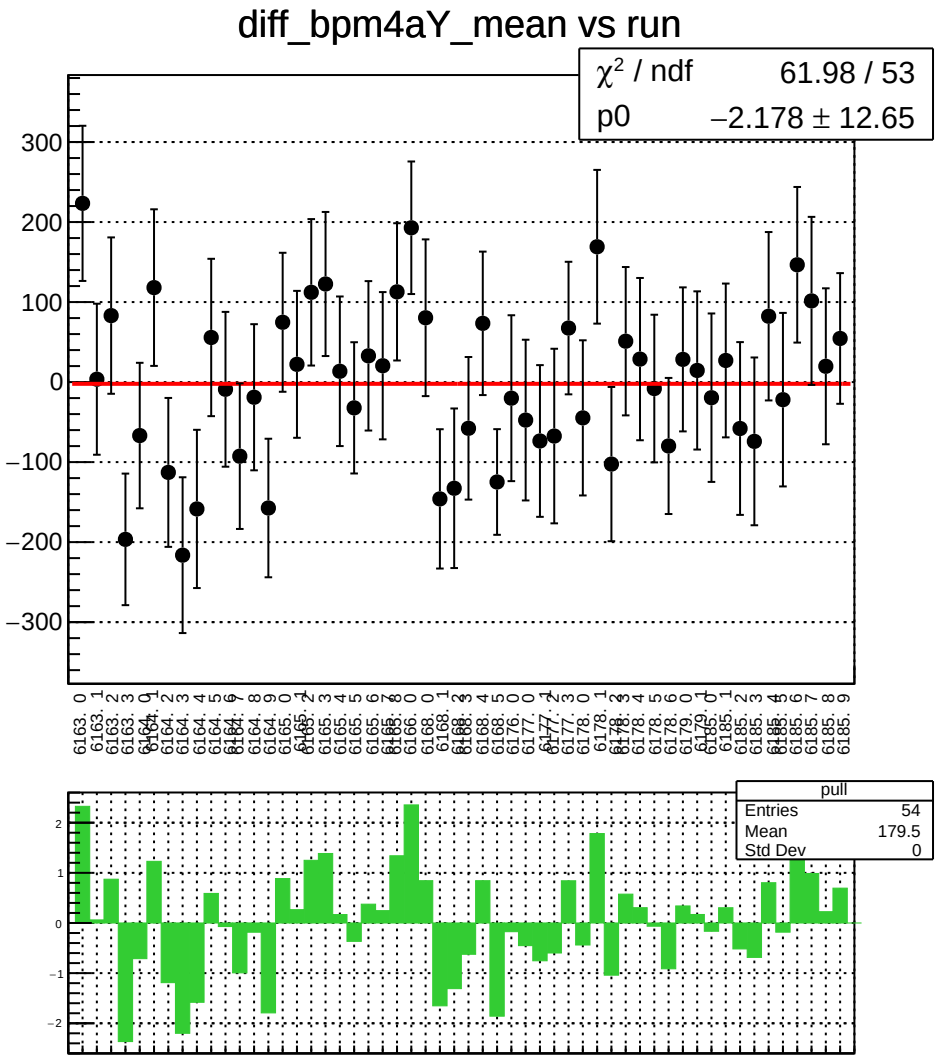

pull1D
Entries 54
Mean −0.673
Std Dev 4.415

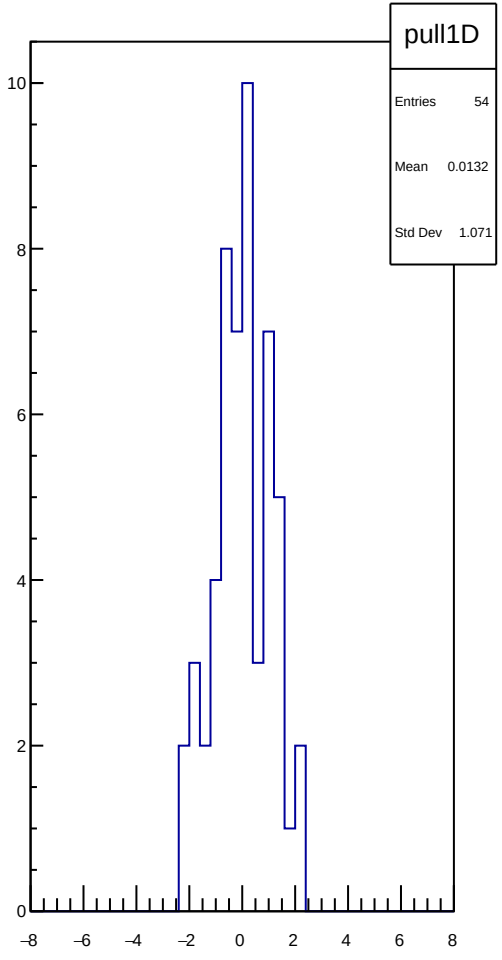

yield_bpm0r05Y_rms vs run
χ² / ndf 1.994e+05 / 53
p0 0.0176 ± 1.928e−05
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

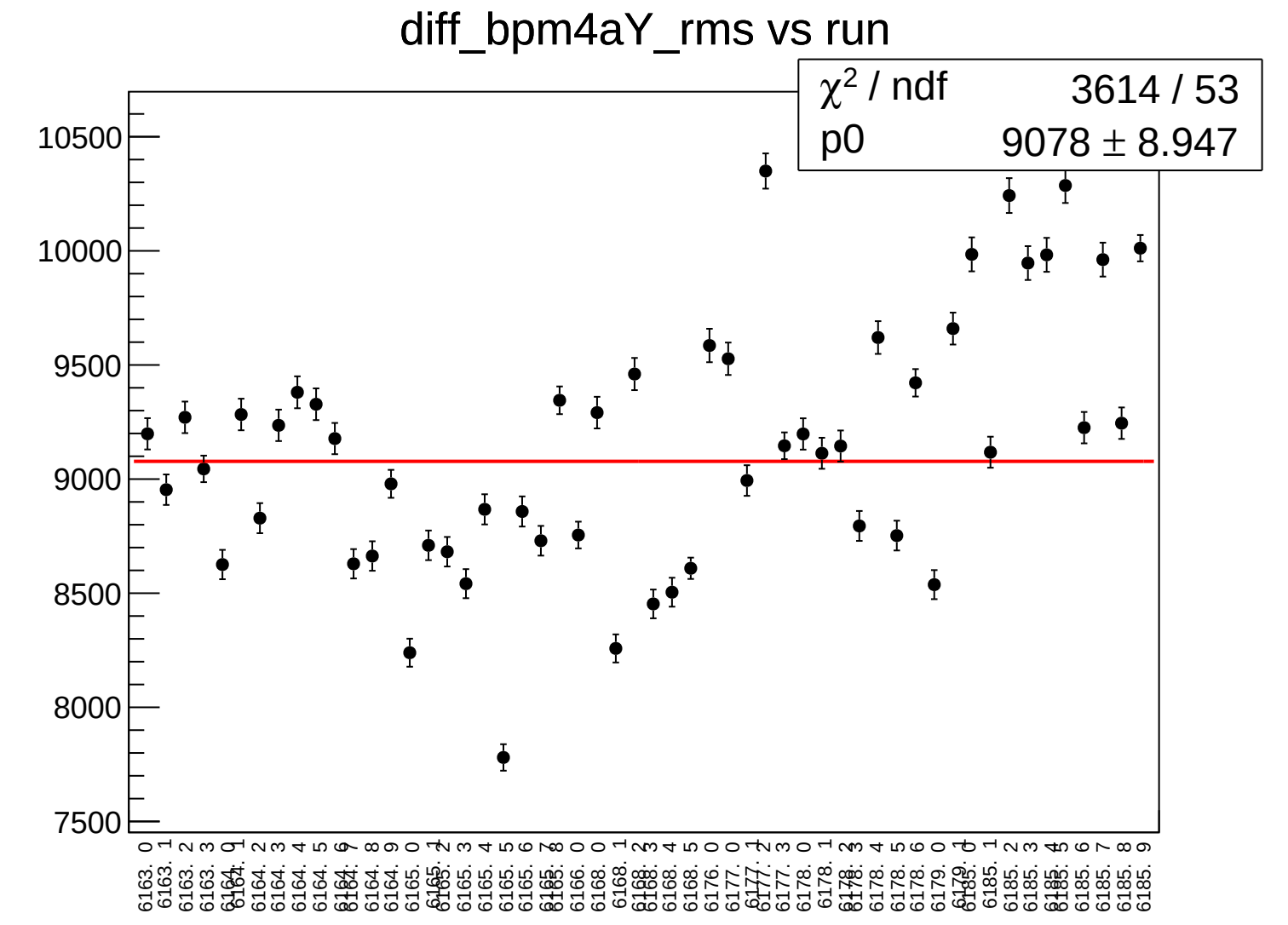

diff_bpm4aX_mean vs run
χ² / ndf 58.9 / 53
p0 64.42 ± 31.57
1000
500
0
−500
−1000
pull
Entries 54
Mean 4.511
Std Dev 0
2
1
0
−1
−2

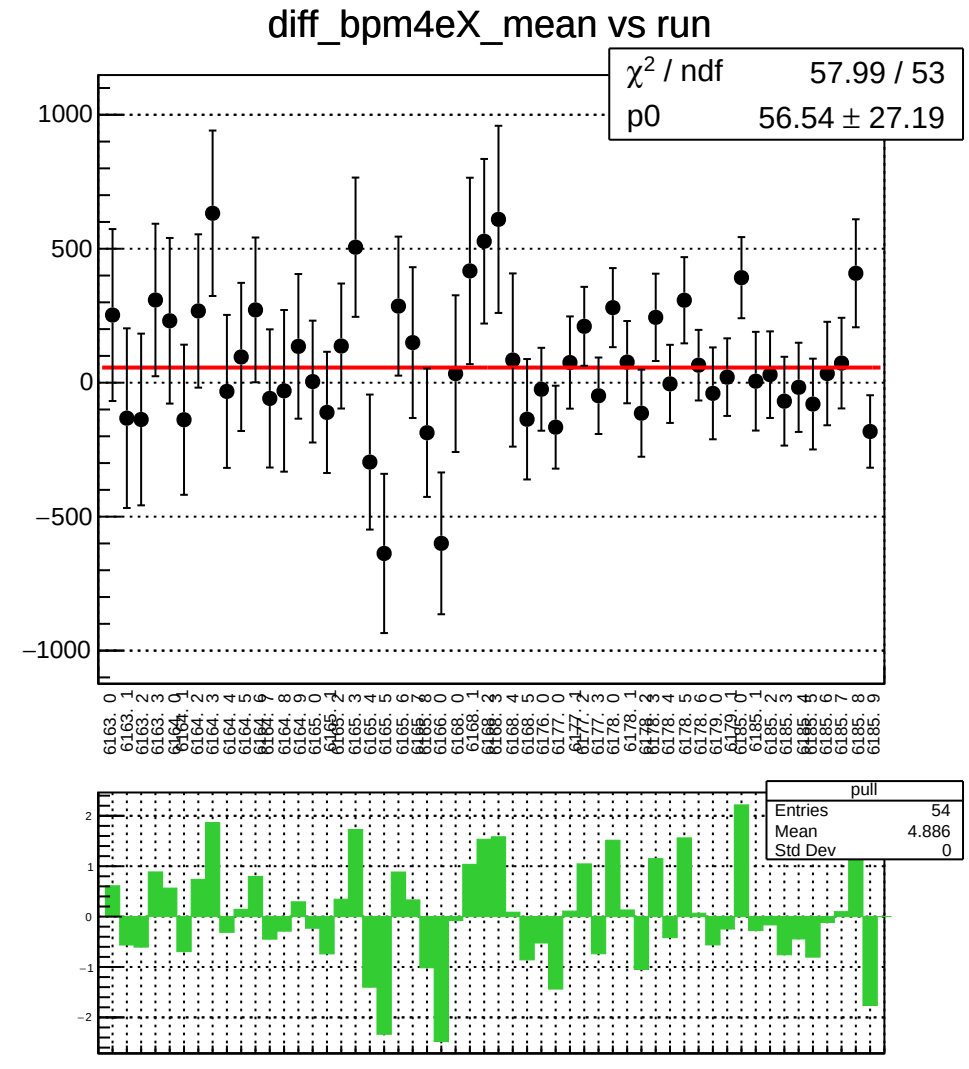

pull1D
Entries 54
Mean 0.03353
Std Dev 1.044
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

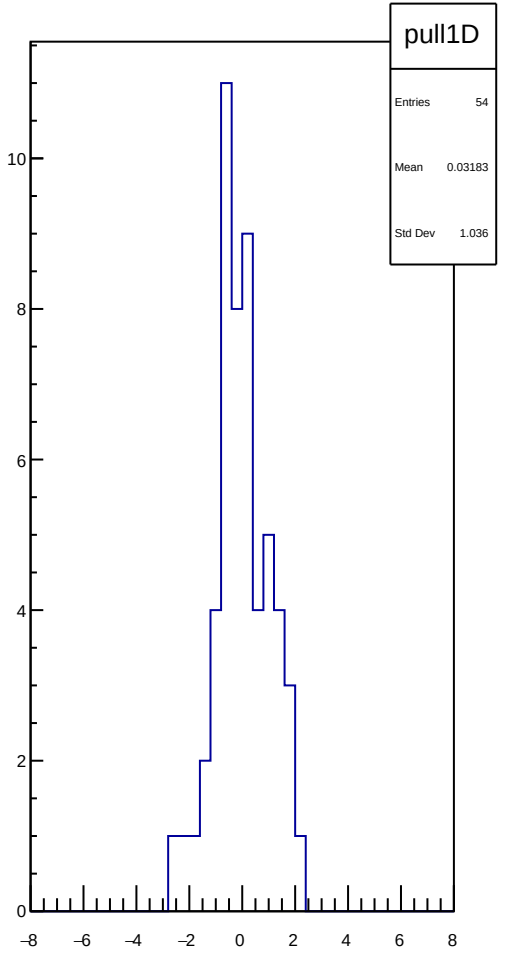

diff_bpm4aX_rms vs run
χ² / ndf 1.048e+05 / 53
p0 2.151e+04 ± 22.32
40000
35000
30000
25000
20000
15000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

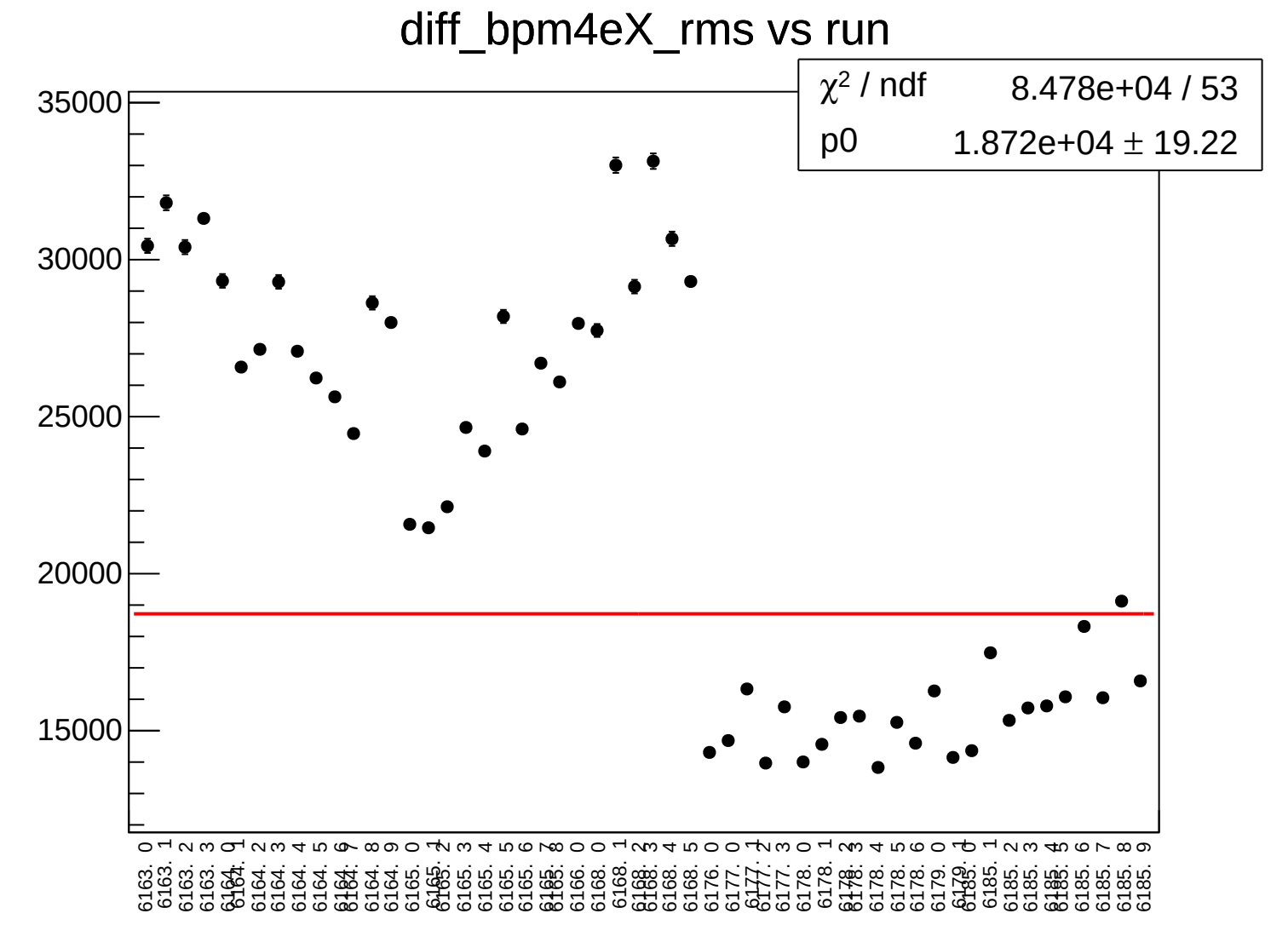

diff_bpm4aY_mean vs run
χ² / ndf 61.98 / 53
p0 −2.178 ± 12.65
300
200
100
0
−100
−200
−300
pull
Entries 54
Mean 179.5
Std Dev 0
2
1
0
−1
−2

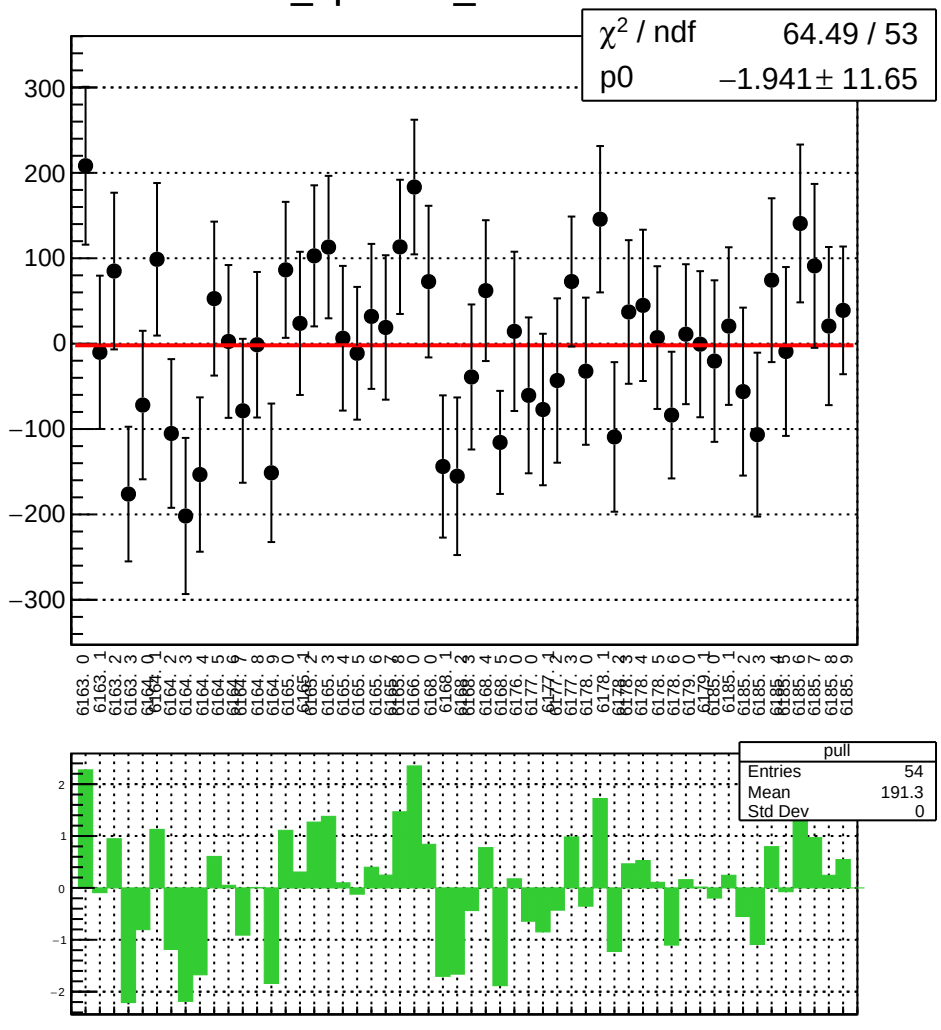

pull1D
Entries 54
Mean 0.0132
Std Dev 1.071
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

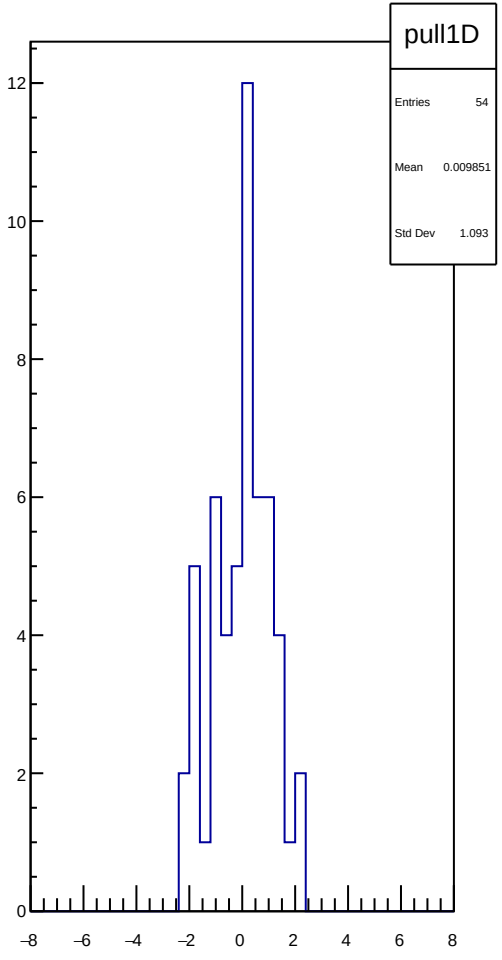

diff_bpm4aY_rms vs run
χ² / ndf 3614 / 53
p0 9078 ± 8.947
10500
10000
9500
9000
8500
8000
7500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

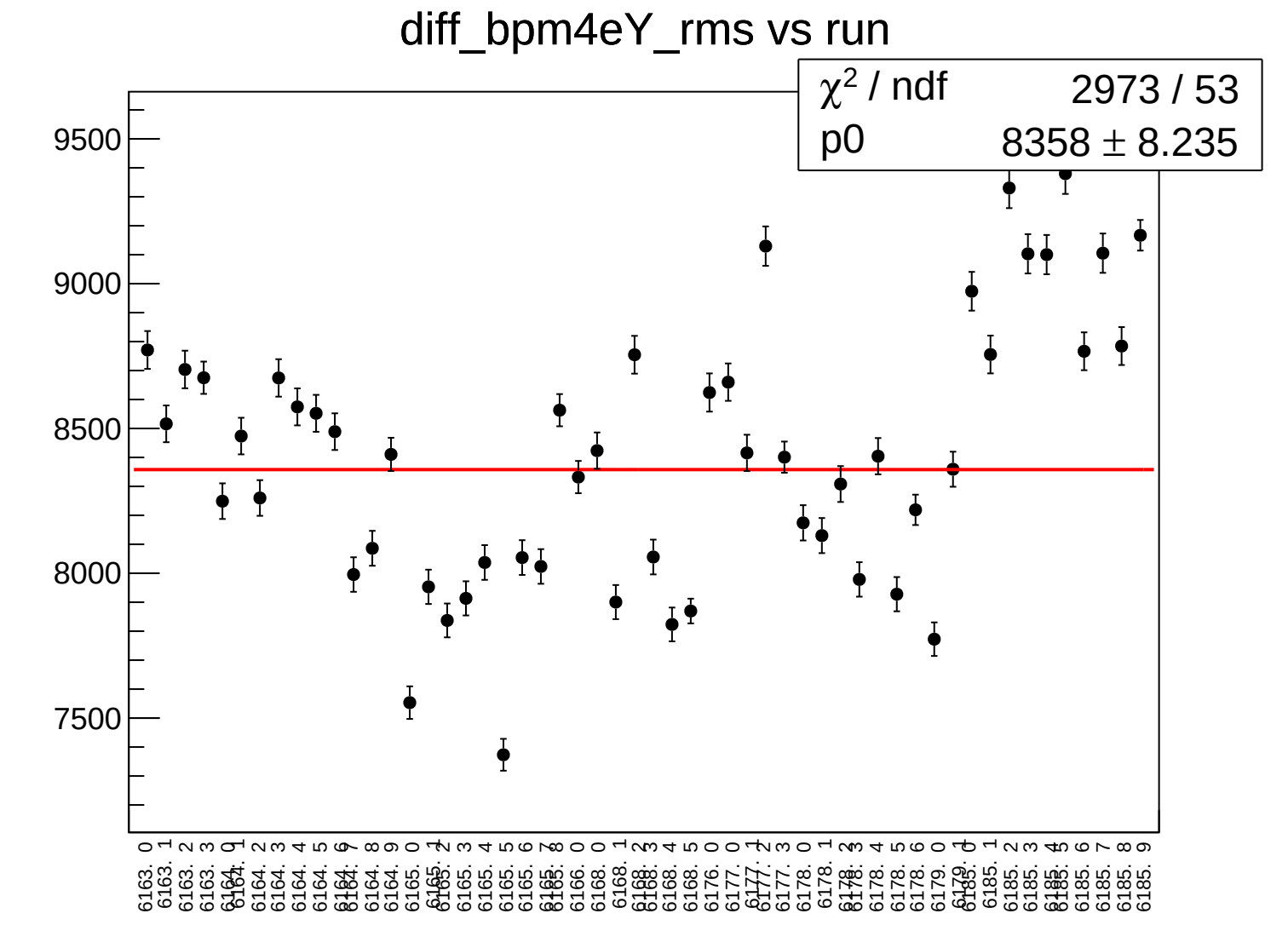

diff_bpm4eX_mean vs run
χ² / ndf 57.99 / 53
p0 56.54 ± 27.19
1000
500
0
−500
−1000
pull
Entries 54
Mean 4.886
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 54
Mean 0.03183
Std Dev 1.036
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


diff_bpm4eX_rms vs run
χ² / ndf 8.478e+04 / 53
p0 1.872e+04 ± 19.22
35000
30000
25000
20000
15000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


diff_bpm4eY_mean vs run
χ² / ndf 64.49 / 53
p0 −1.941 ± 11.65
pull
Entries 54
Mean 191.3
Std Dev 0


pull1D
Entries 54
Mean 0.009851
Std Dev 1.093


diff_bpm4eY_rms vs run
χ² / ndf 2973 / 53
p0 8358 ± 8.235
9500
9000
8500
8000
7500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
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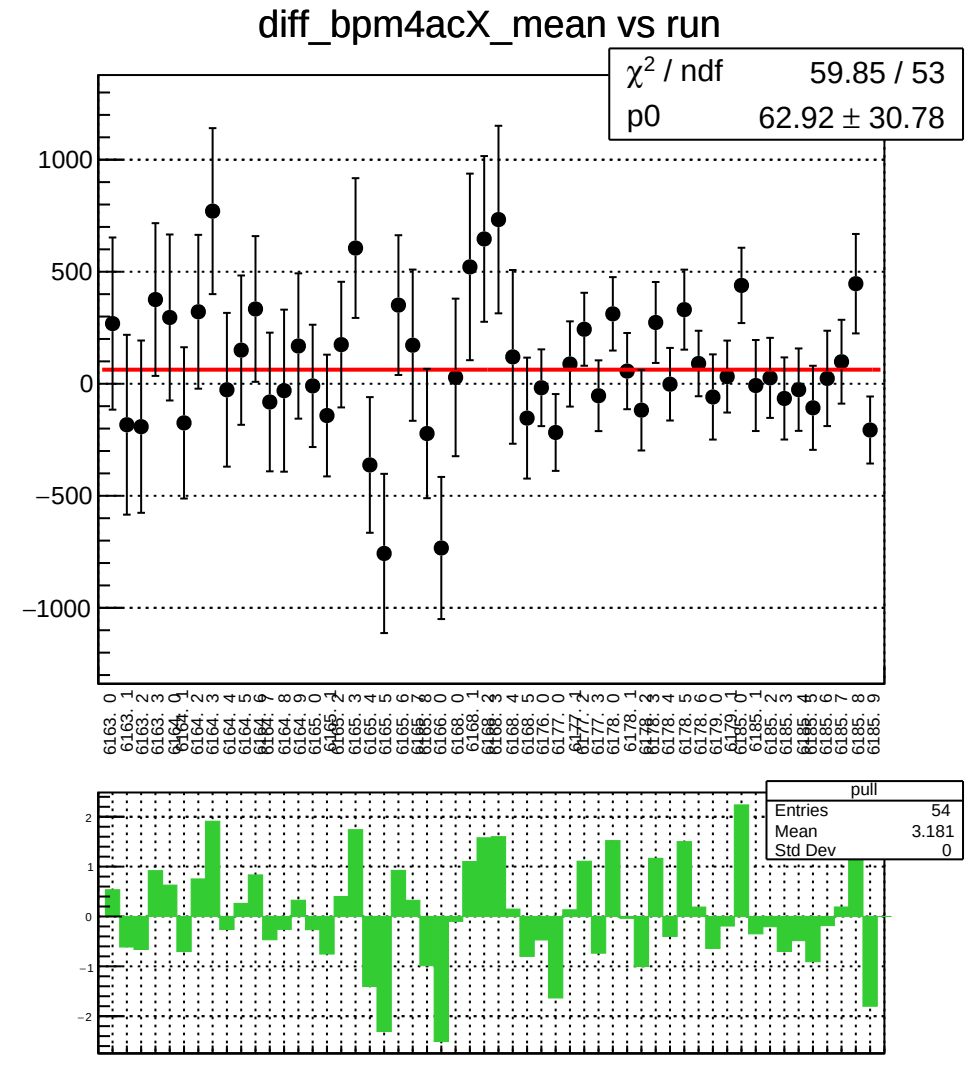
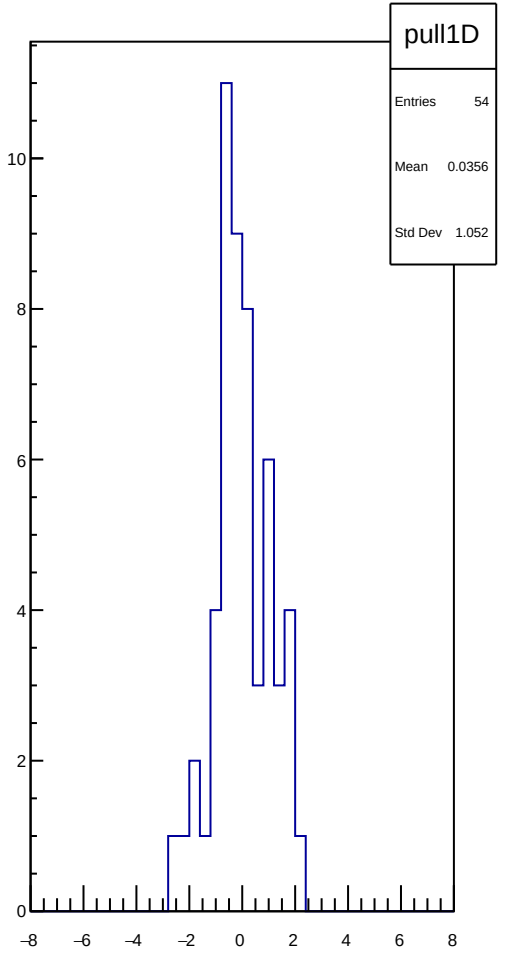
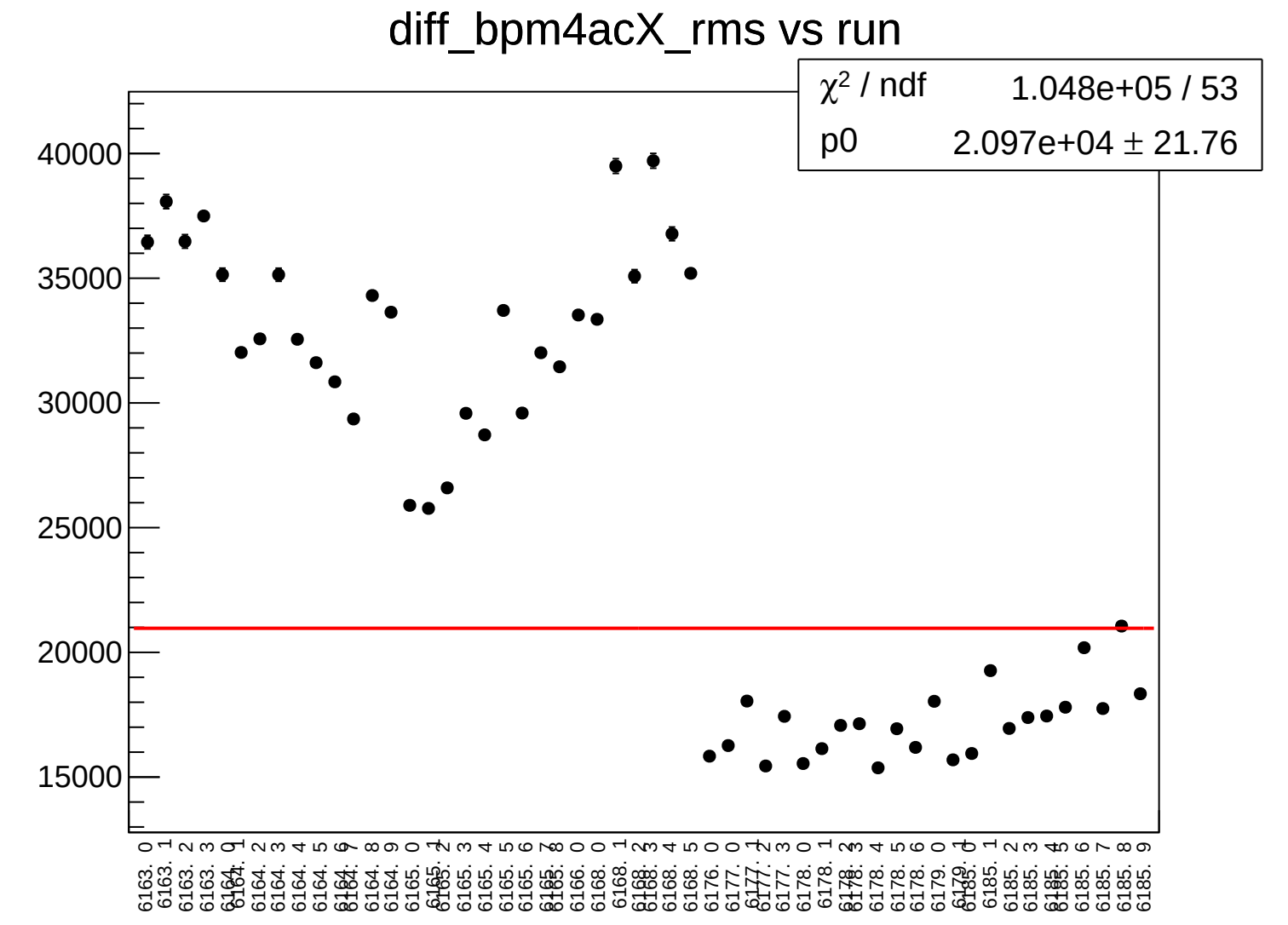
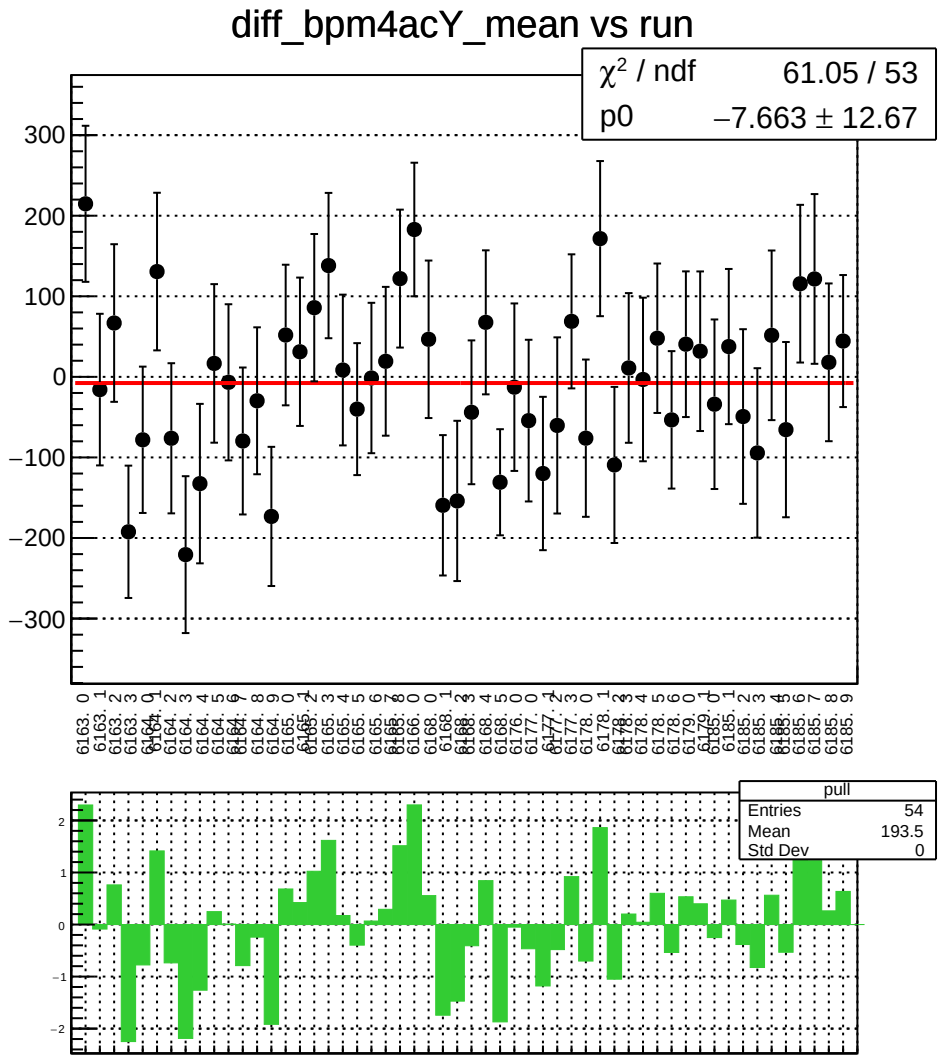
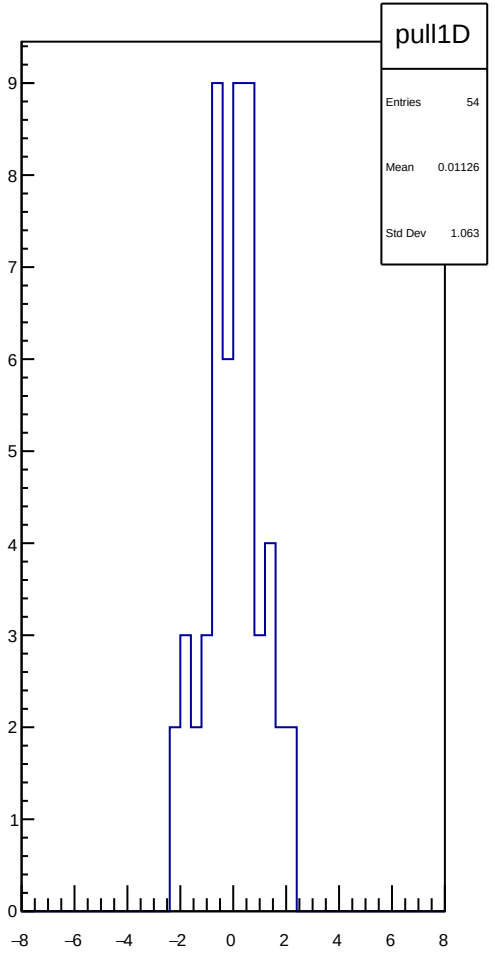
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

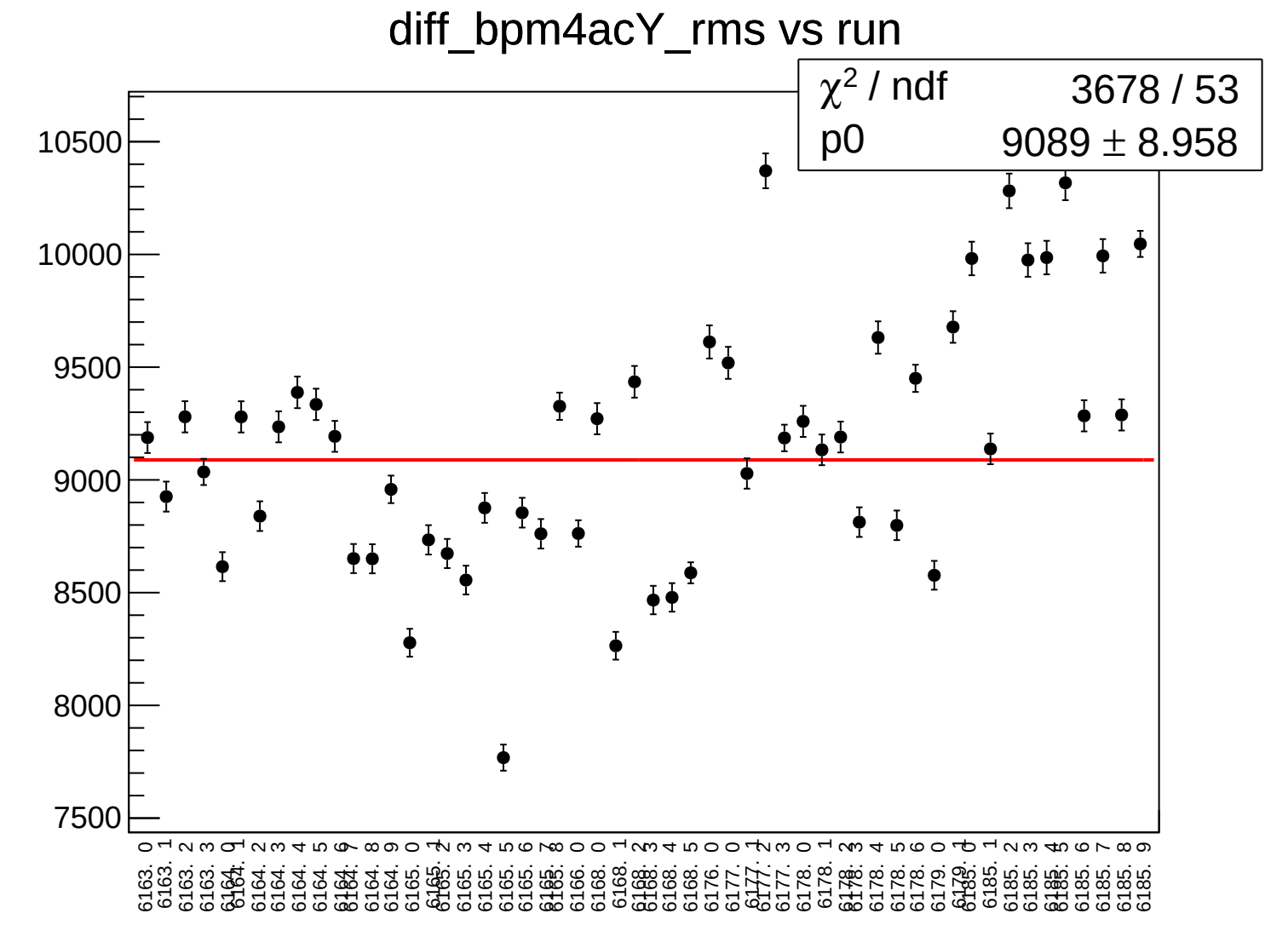

diff_bpm4acX_mean vs run
χ² / ndf 59.85 / 53
p0 62.92 ± 30.78
1000
500
0
−500
−1000
pull
Entries 54
Mean 3.181
Std Dev 0
2
1
0
−1
−2

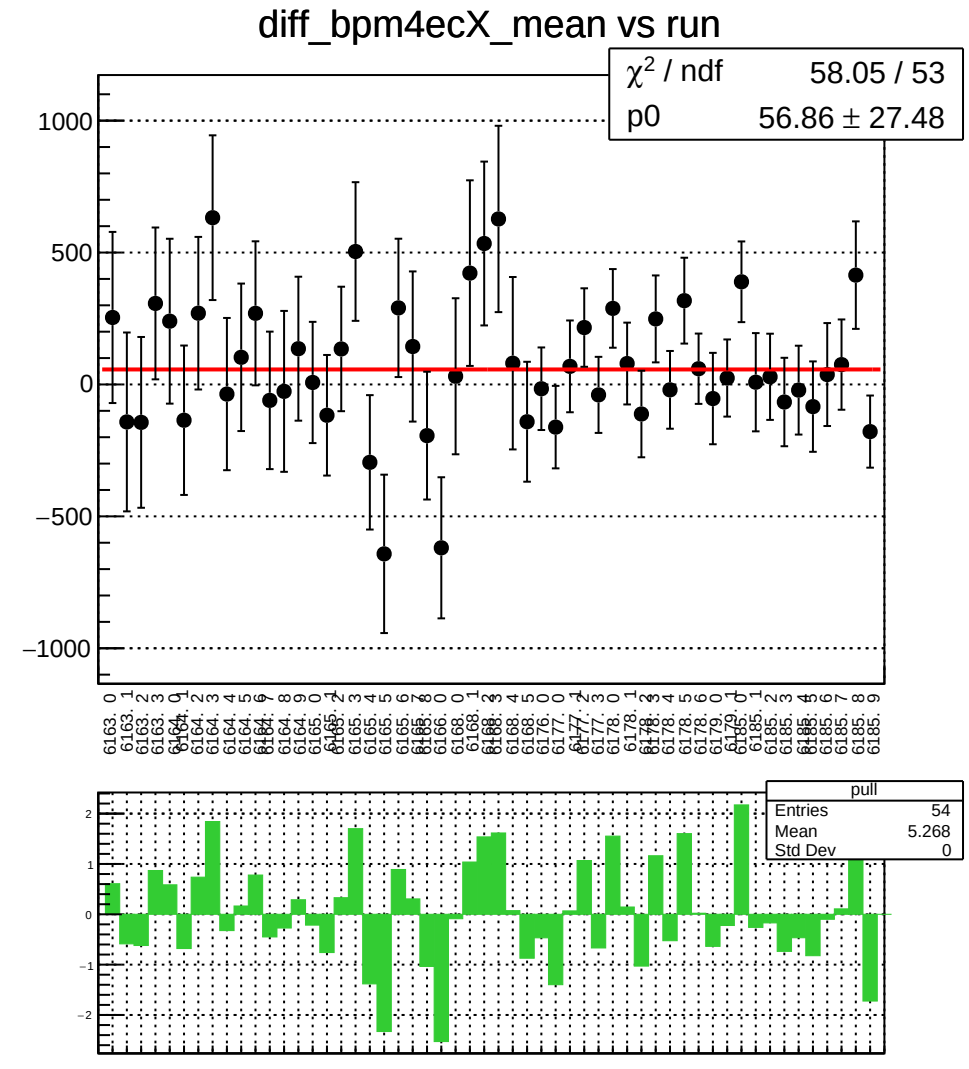

pull1D
Entries 54
Mean 0.0356
Std Dev 1.052
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

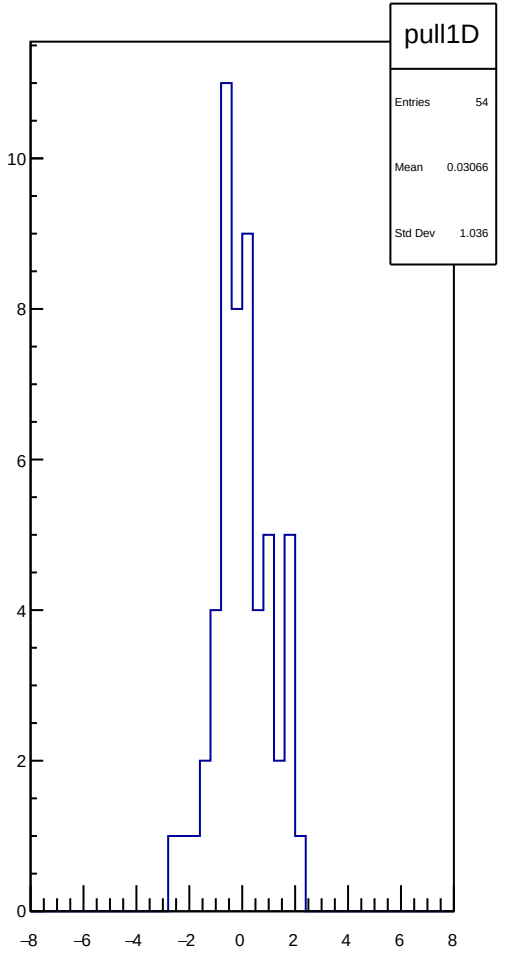

diff_bpm4acX_rms vs run
χ² / ndf 1.048e+05 / 53
p0 2.097e+04 ± 21.76
40000
35000
30000
25000
20000
15000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

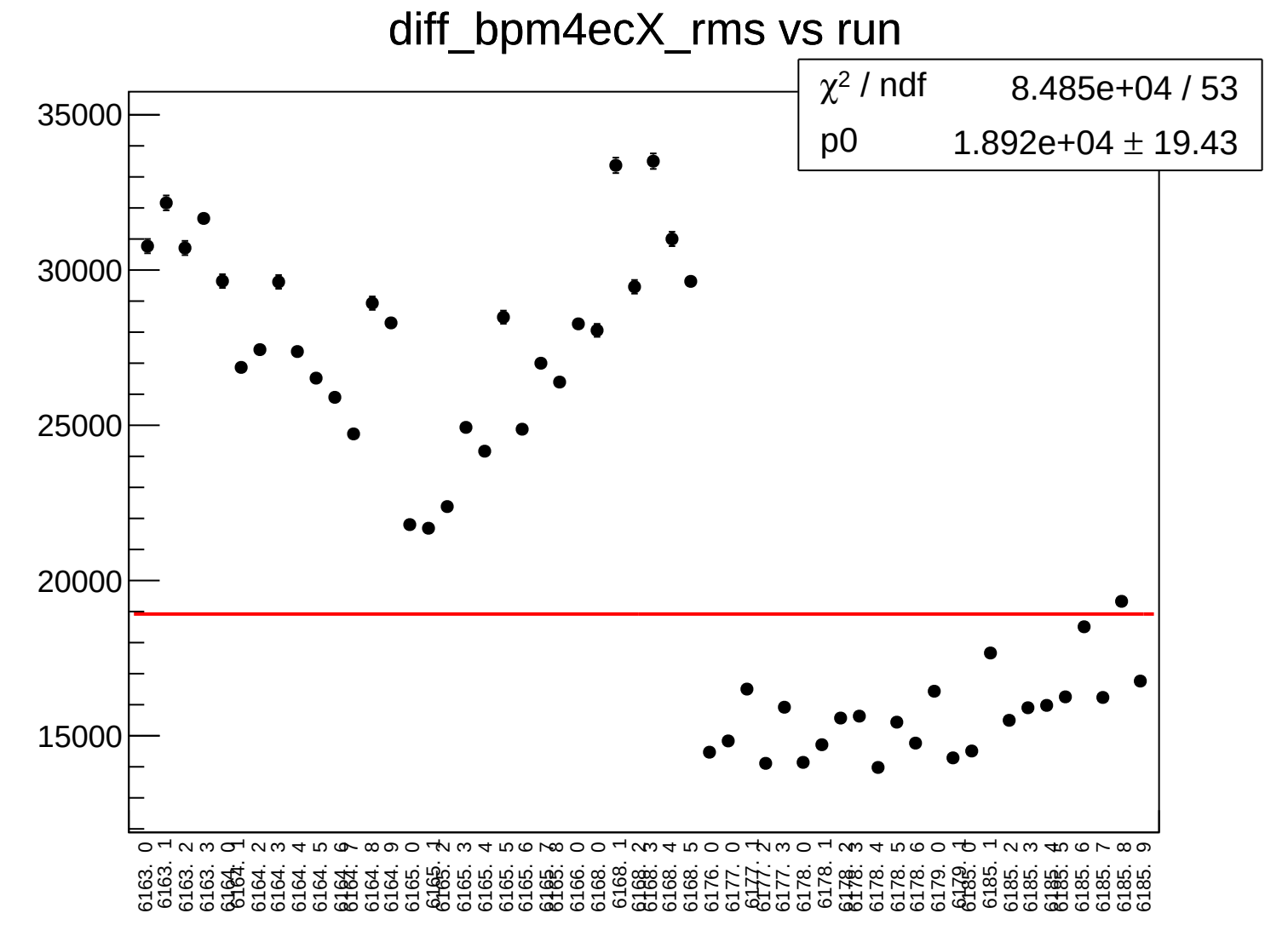

diff_bpm4acY_mean vs run
χ² / ndf 61.05 / 53
p0 −7.663 ± 12.67
300
200
100
0
−100
−200
−300
pull
Entries 54
Mean 193.5
Std Dev 0
2
1
0
−1
−2

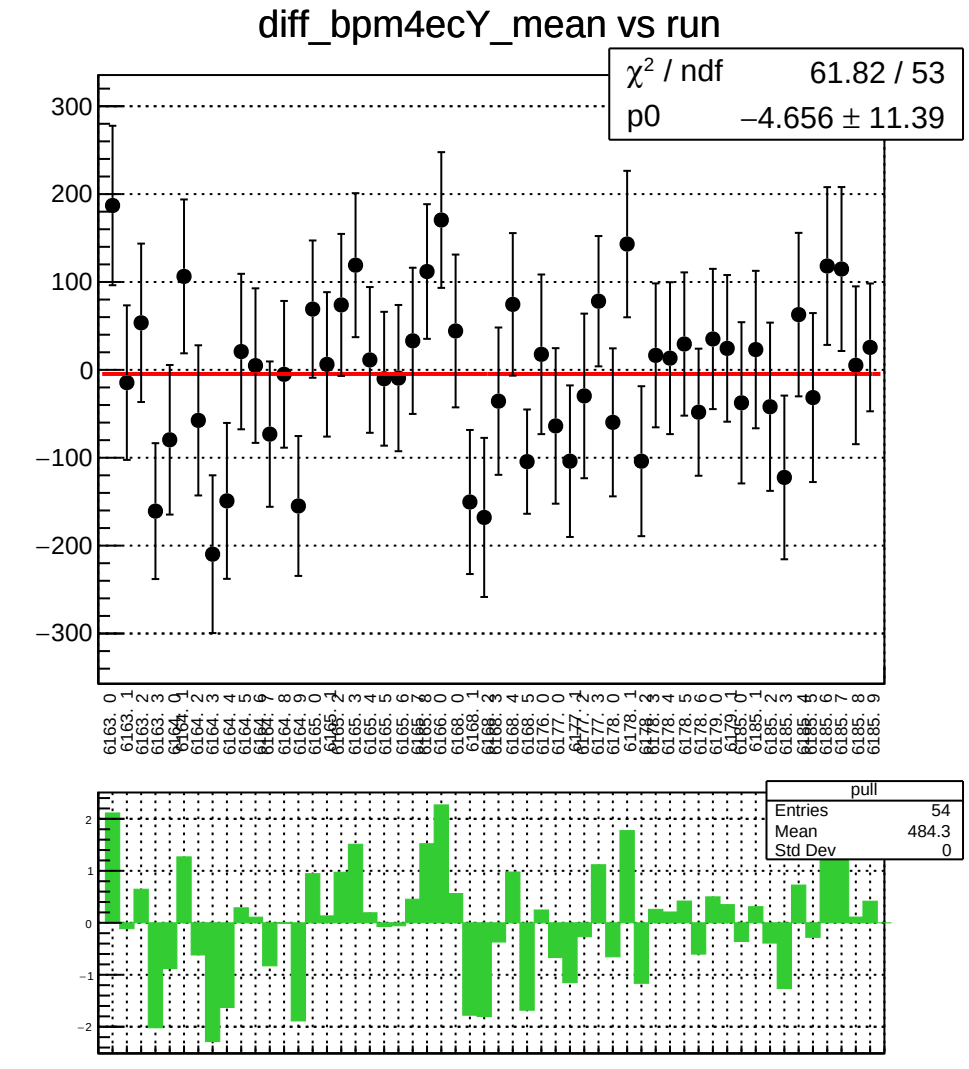

pull1D
Entries 54
Mean 0.01126
Std Dev 1.063
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

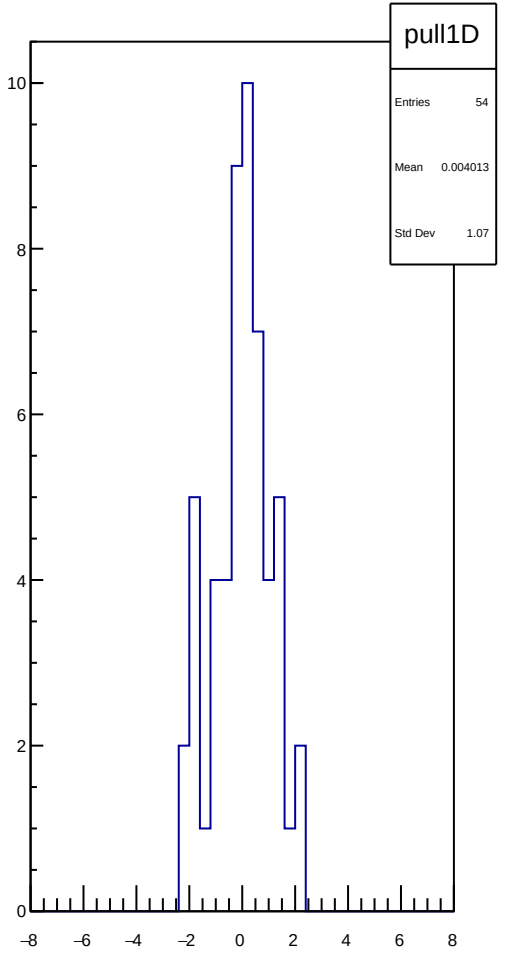

diff_bpm4acY_rms vs run
χ² / ndf 3678 / 53
p0 9089 ± 8.958
10500
10000
9500
9000
8500
8000
7500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

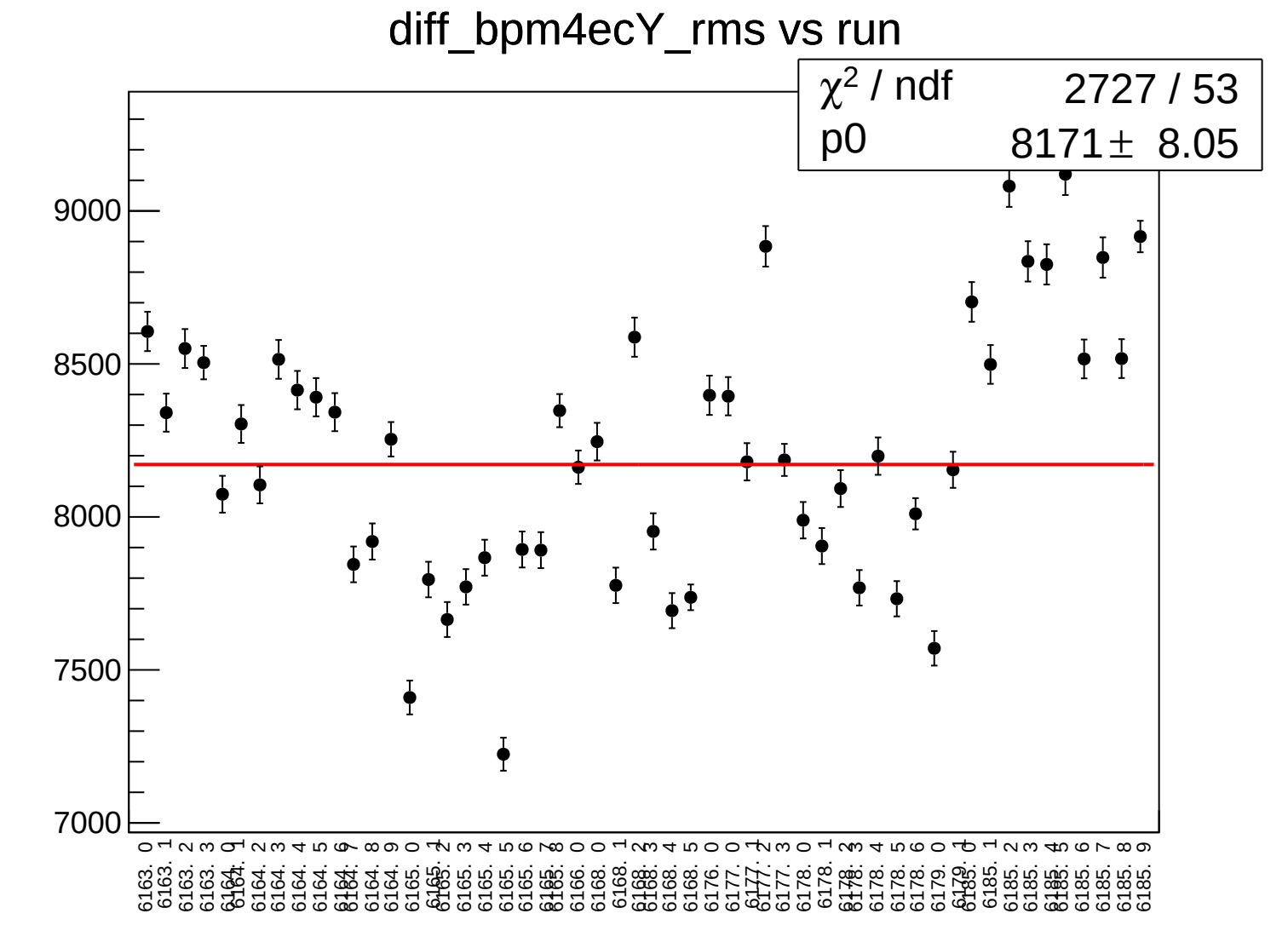

diff_bpm4ecX_mean vs run
χ² / ndf 58.05 / 53
p0 56.86 ± 27.48
1000
500
0
−500
−1000
pull
Entries 54
Mean 5.268
Std Dev 0
2
1
0
−1
−2

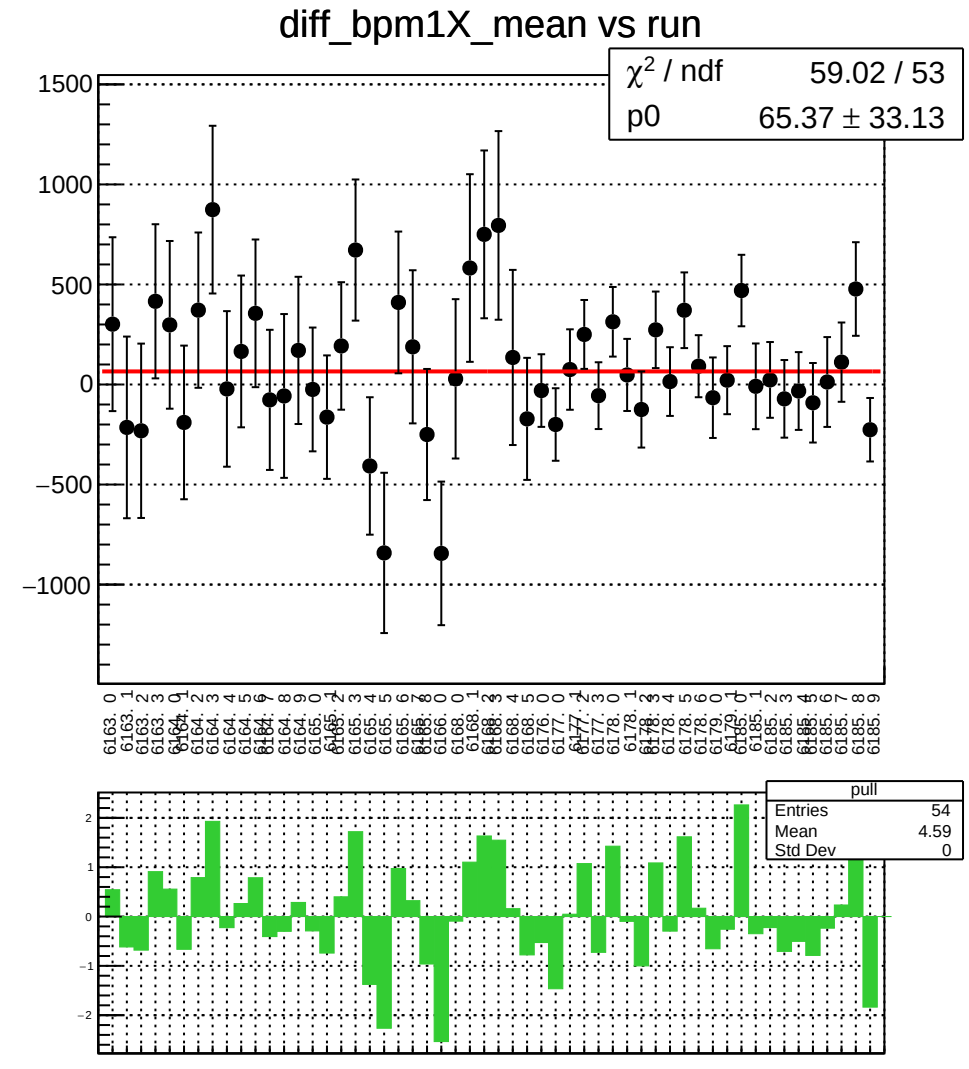

pull1D
Entries 54
Mean 0.03066
Std Dev 1.036
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

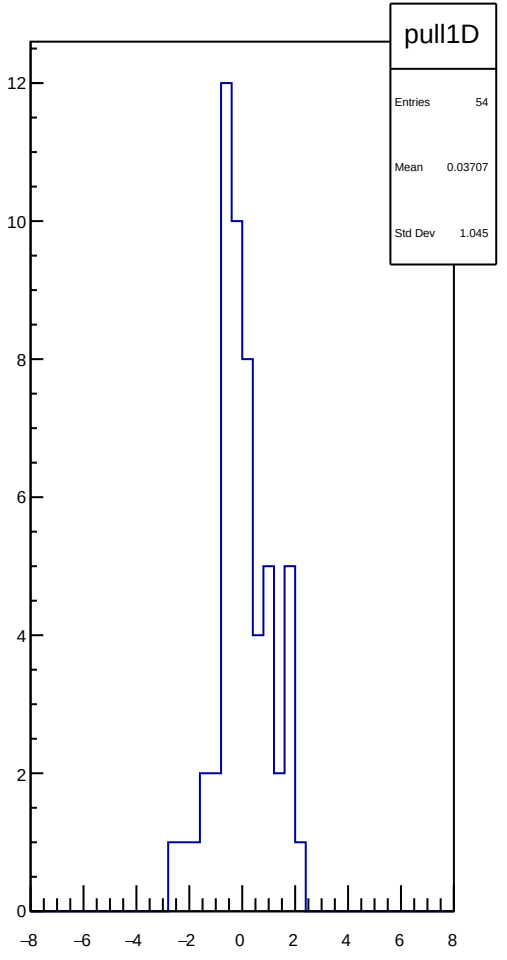

diff_bpm4ecX_rms vs run
χ² / ndf 8.485e+04 / 53
p0 1.892e+04 ± 19.43
35000
30000
25000
20000
15000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

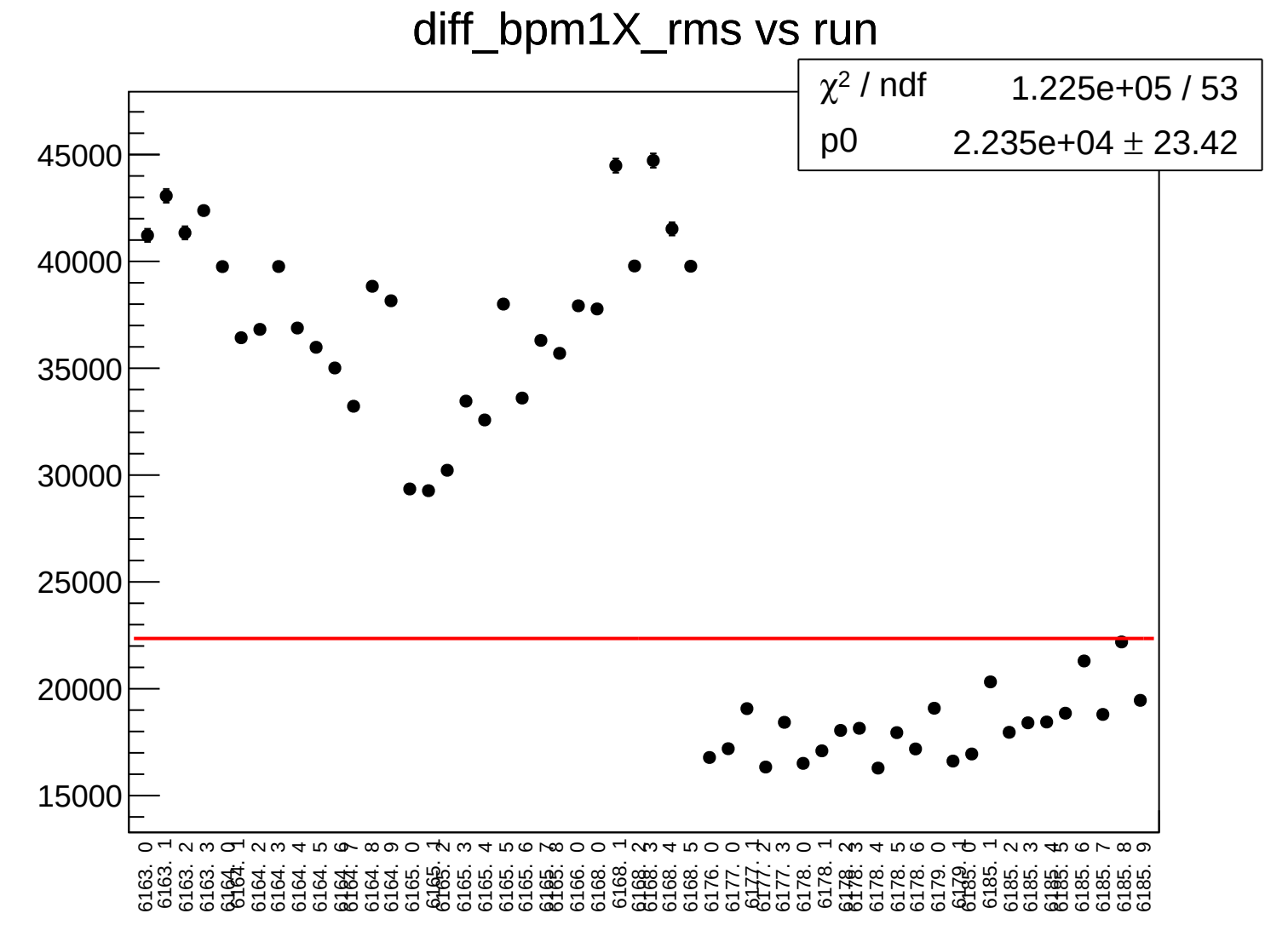

diff_bpm4ecY_mean vs run
χ² / ndf 61.82 / 53
p0 −4.656 ± 11.39
pull
Entries 54
Mean 484.3
Std Dev 0

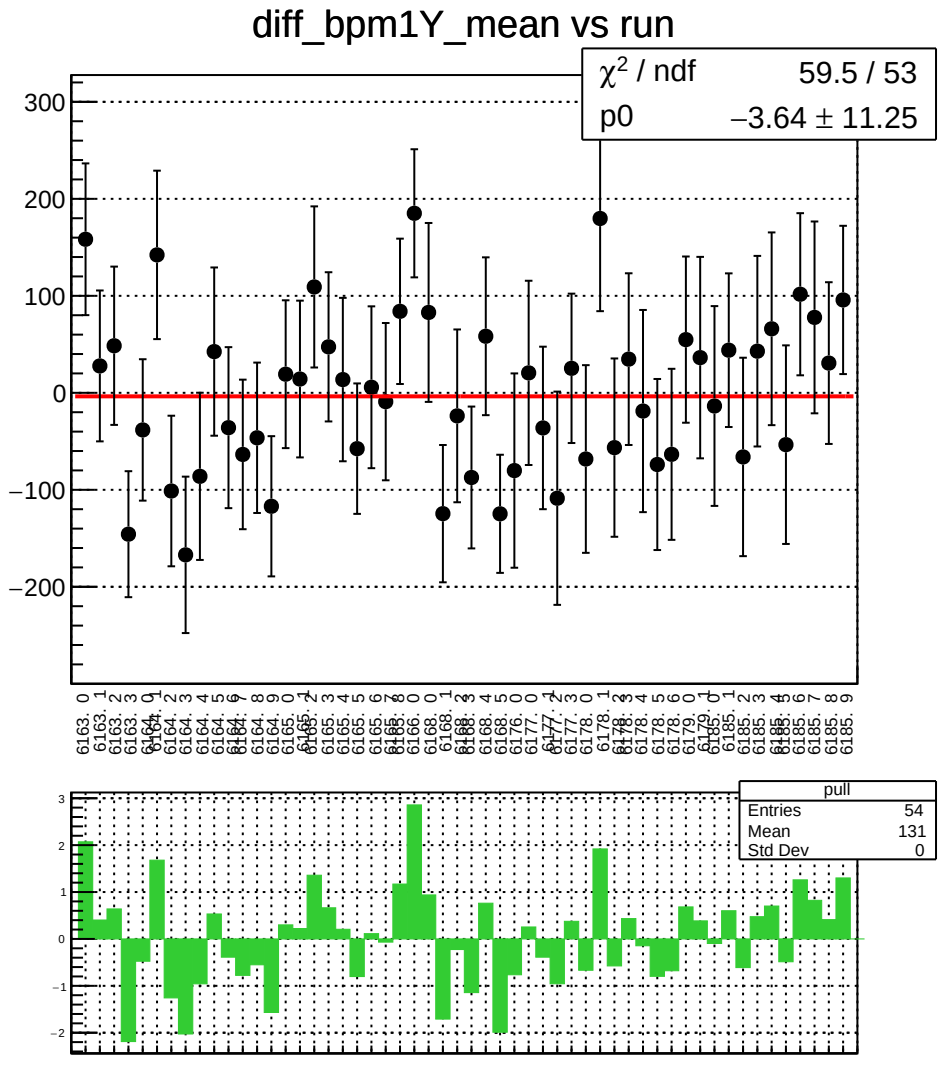

pull1D
Entries 54
Mean 0.004013
Std Dev 1.07

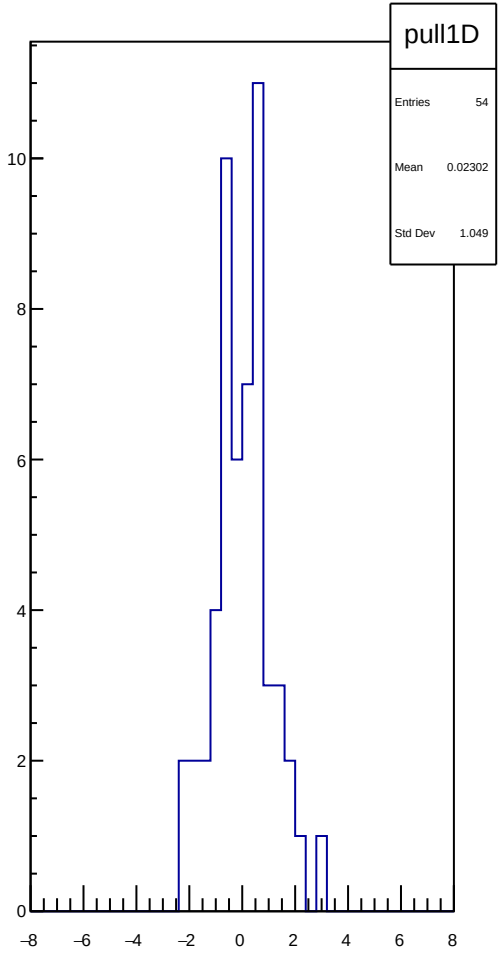

diff_bpm4ecY_rms vs run
χ² / ndf 2727 / 53
p0 8171 ± 8.05
9000
8500
8000
7500
7000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 2
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

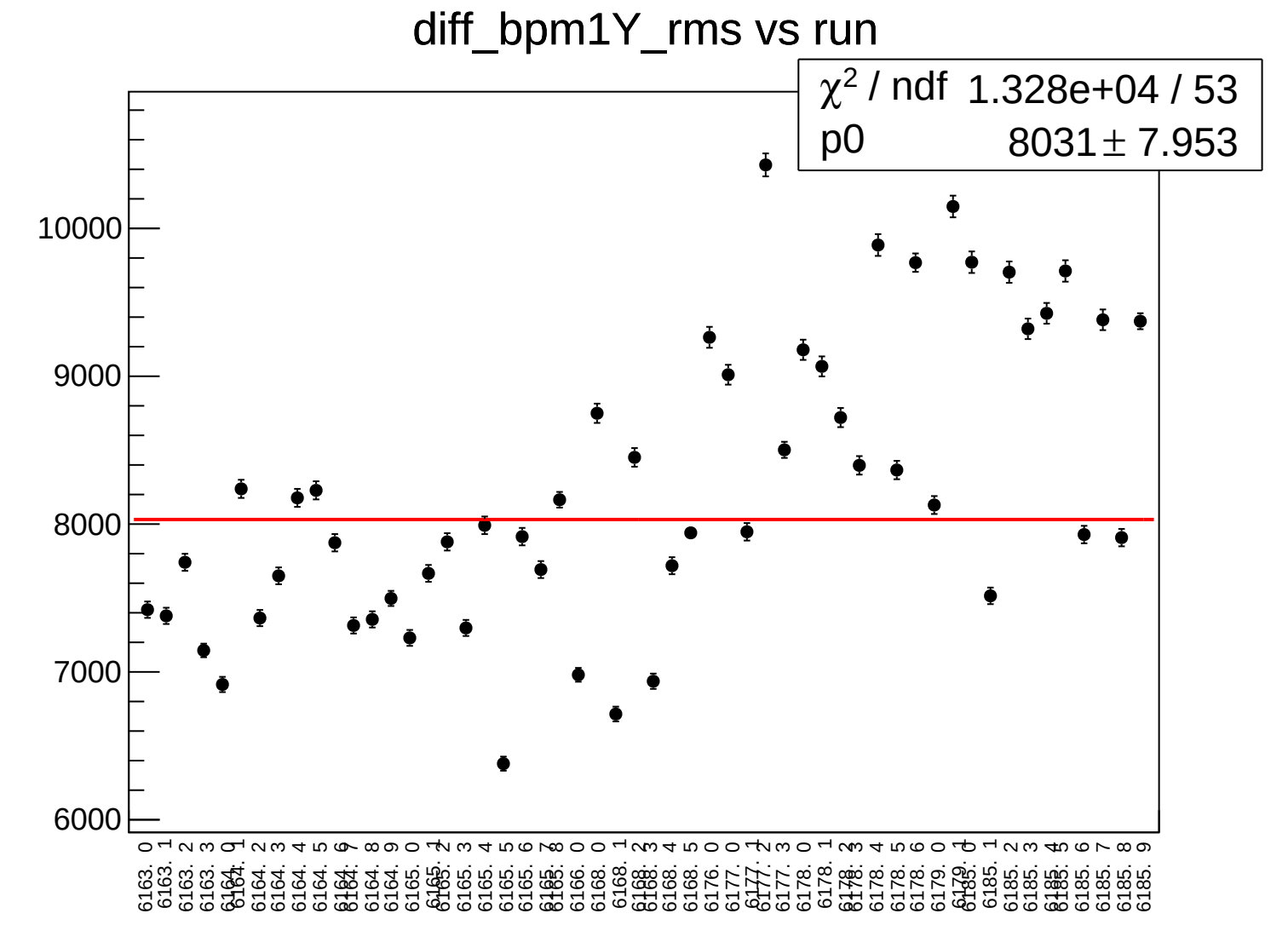

diff_bpm1X_mean vs run
χ² / ndf 59.02 / 53
p0 65.37 ± 33.13
pull
Entries 54
Mean 4.59
Std Dev 0

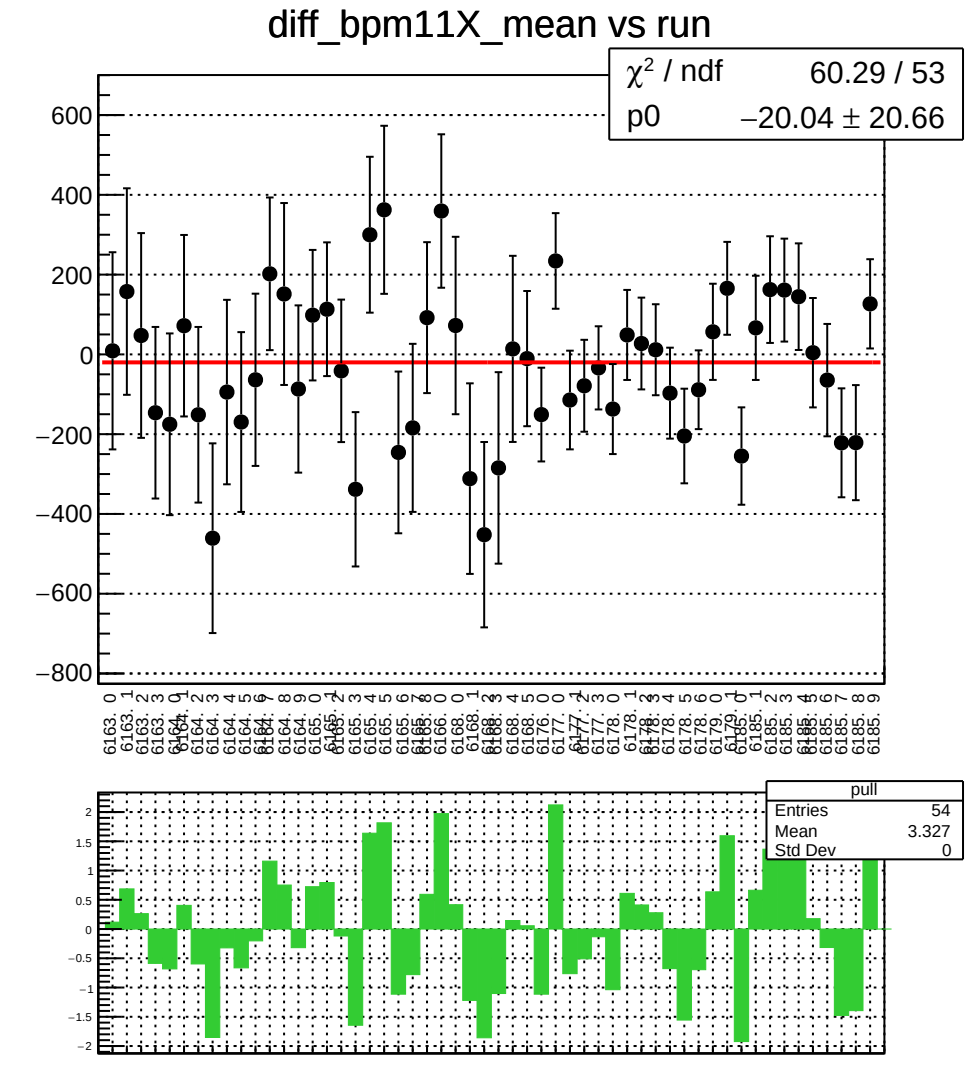

pull1D
Entries 54
Mean 0.03707
Std Dev 1.045

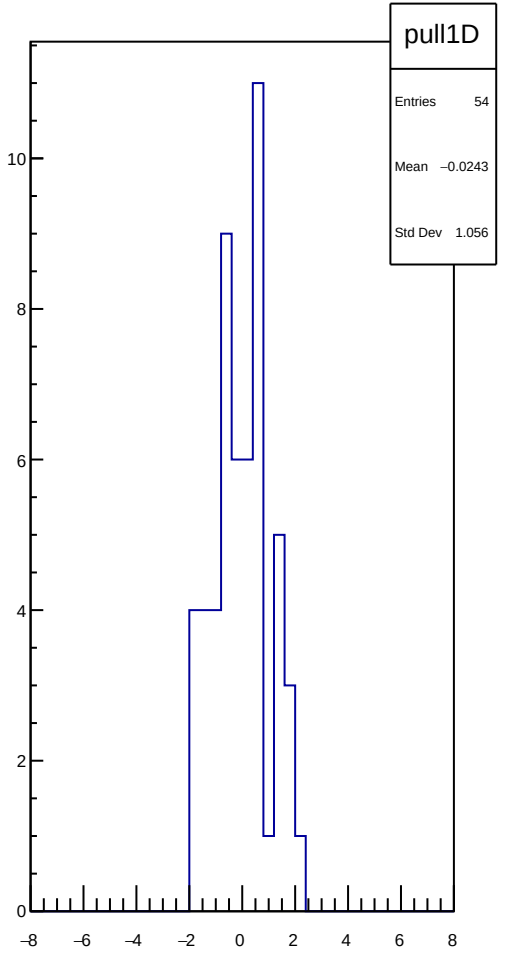

diff_bpm1X_rms vs run
χ² / ndf 1.225e+05 / 53
p0 2.235e+04 ± 23.42
45000
40000
35000
30000
25000
20000
15000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

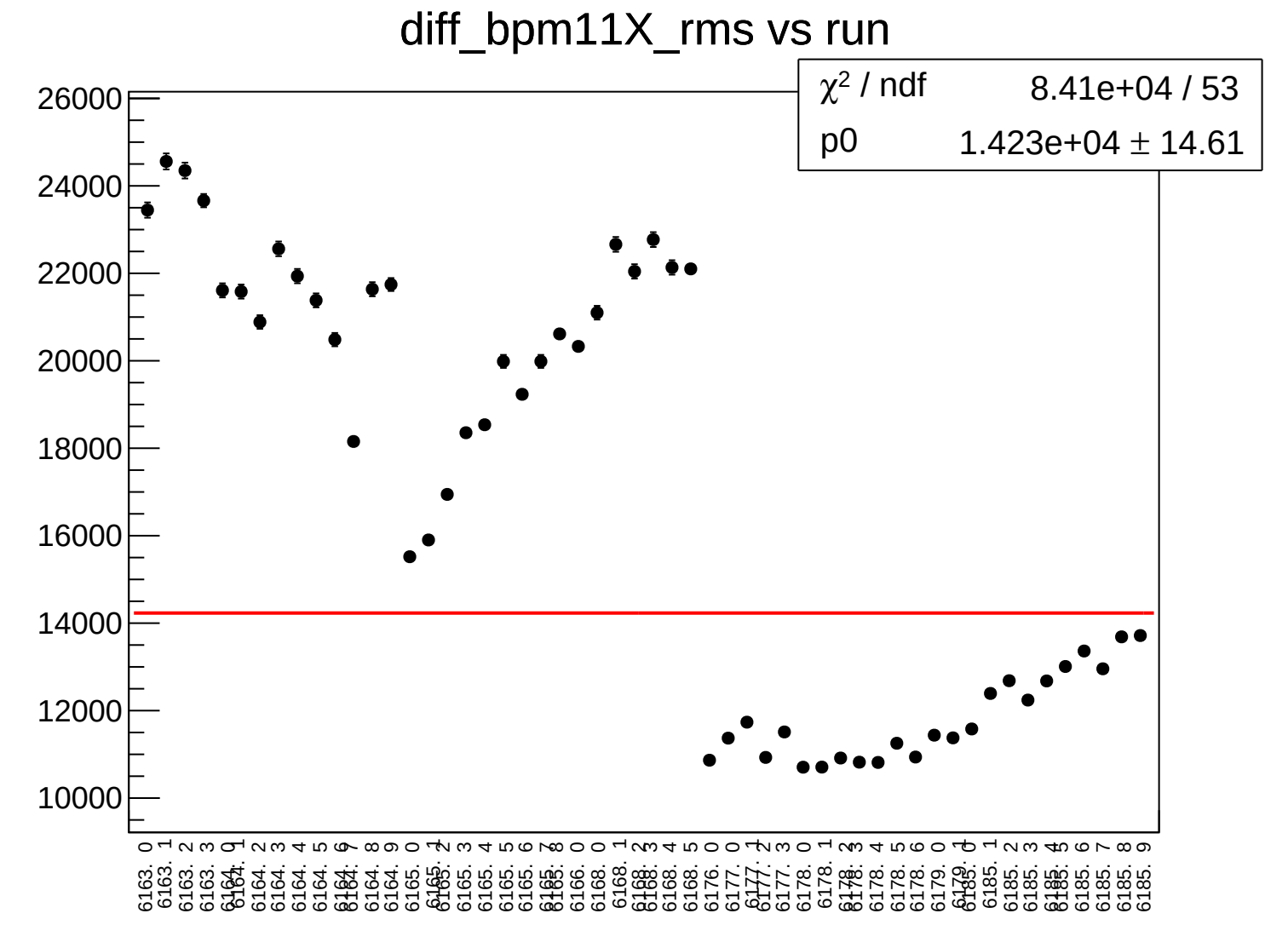

diff_bpm1Y_mean vs run
χ² / ndf 59.5 / 53
p0 −3.64 ± 11.25
pull
Entries 54
Mean 131
Std Dev 0

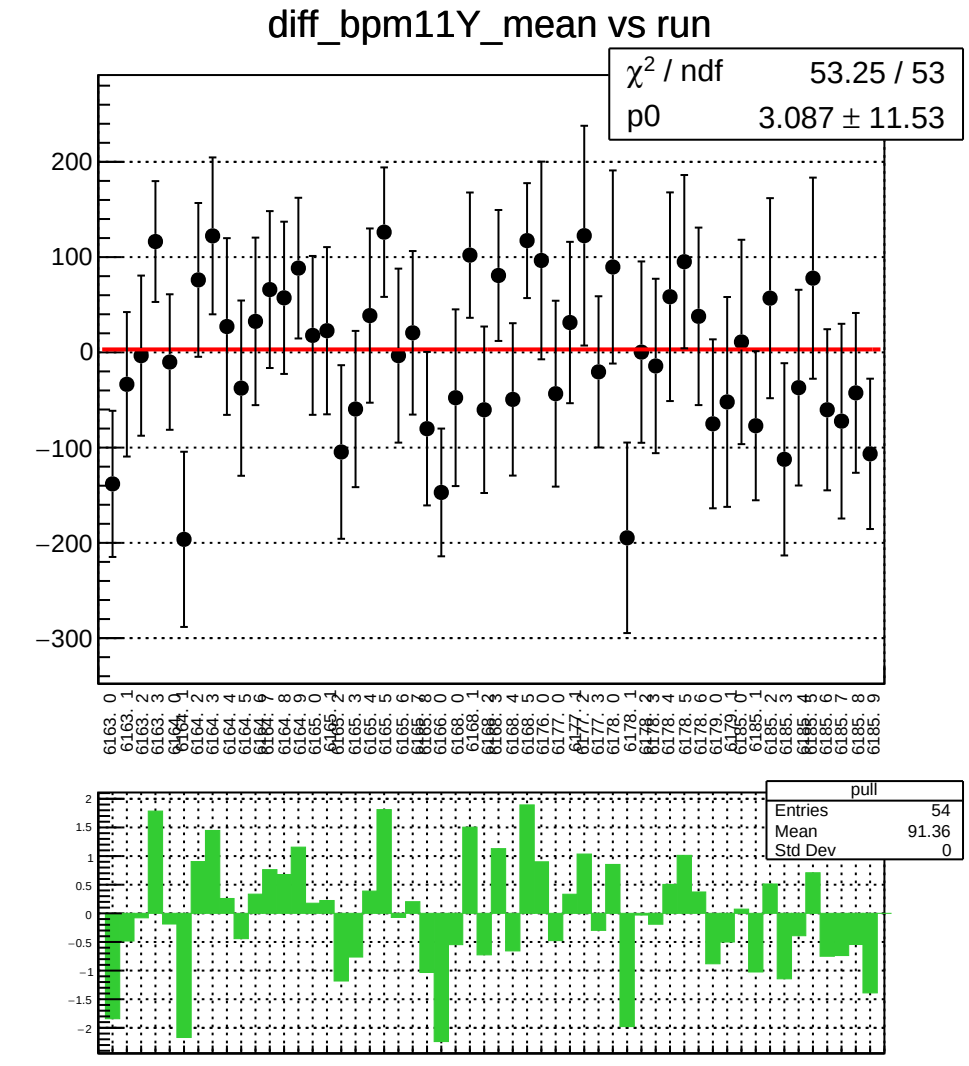

pull1D
Entries 54
Mean 0.02302
Std Dev 1.049

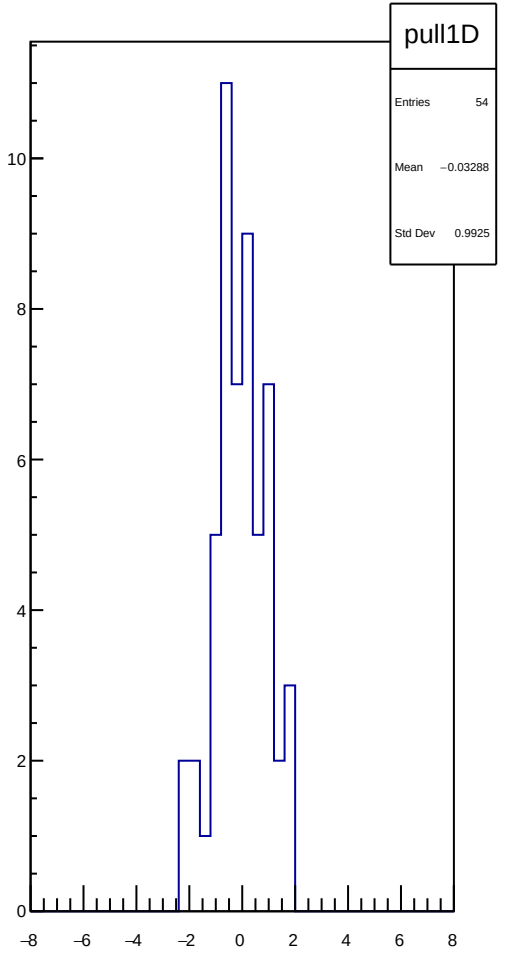

diff_bpm1Y_rms vs run
χ² / ndf 1.328e+04 / 53
p0 8031 ± 7.953
10000
9000
8000
7000
6000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

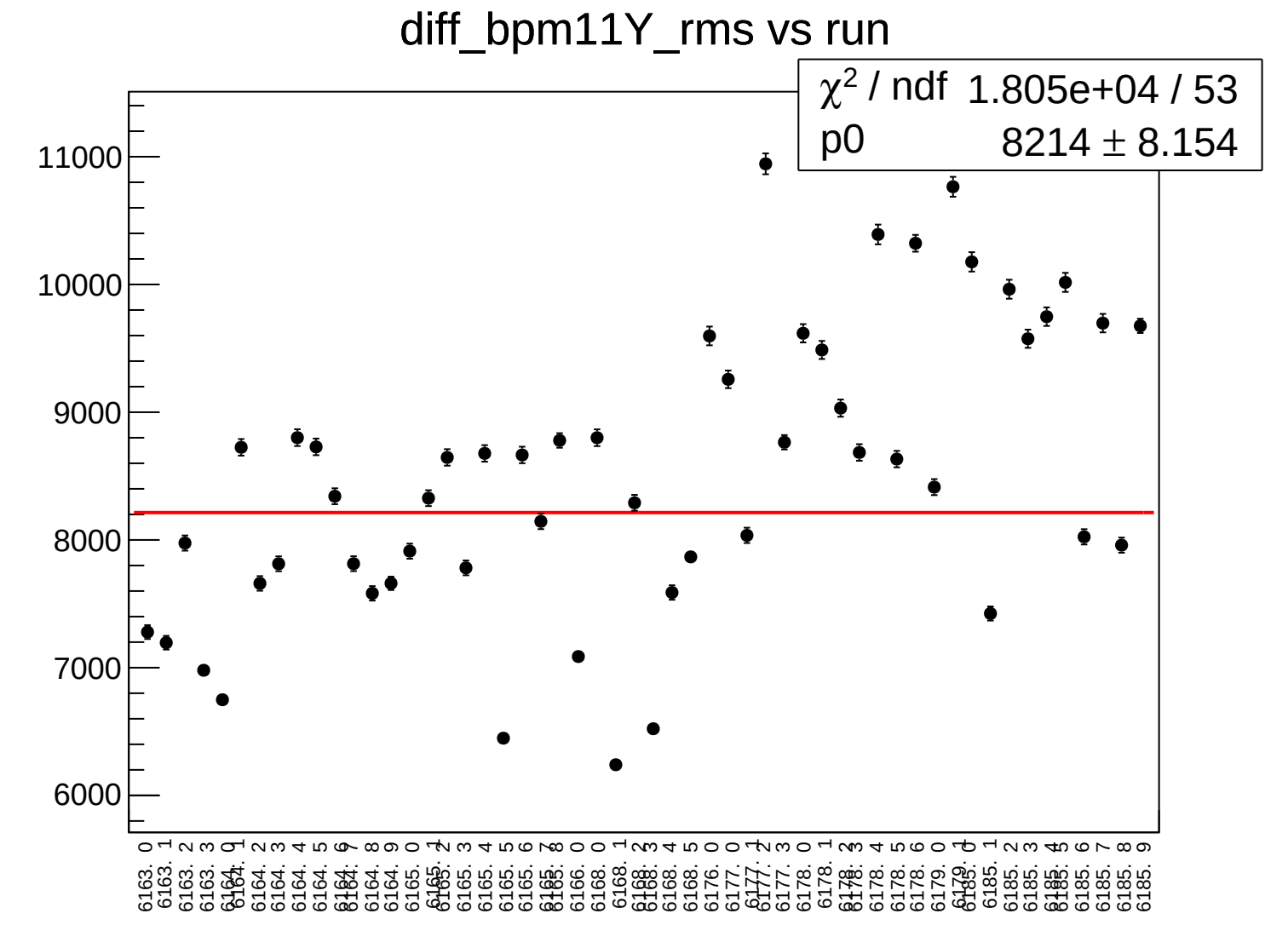

diff_bpm11X_mean vs run
χ² / ndf 60.29 / 53
p0 −20.04 ± 20.66
pull
Entries 54
Mean 3.327
Std Dev 0

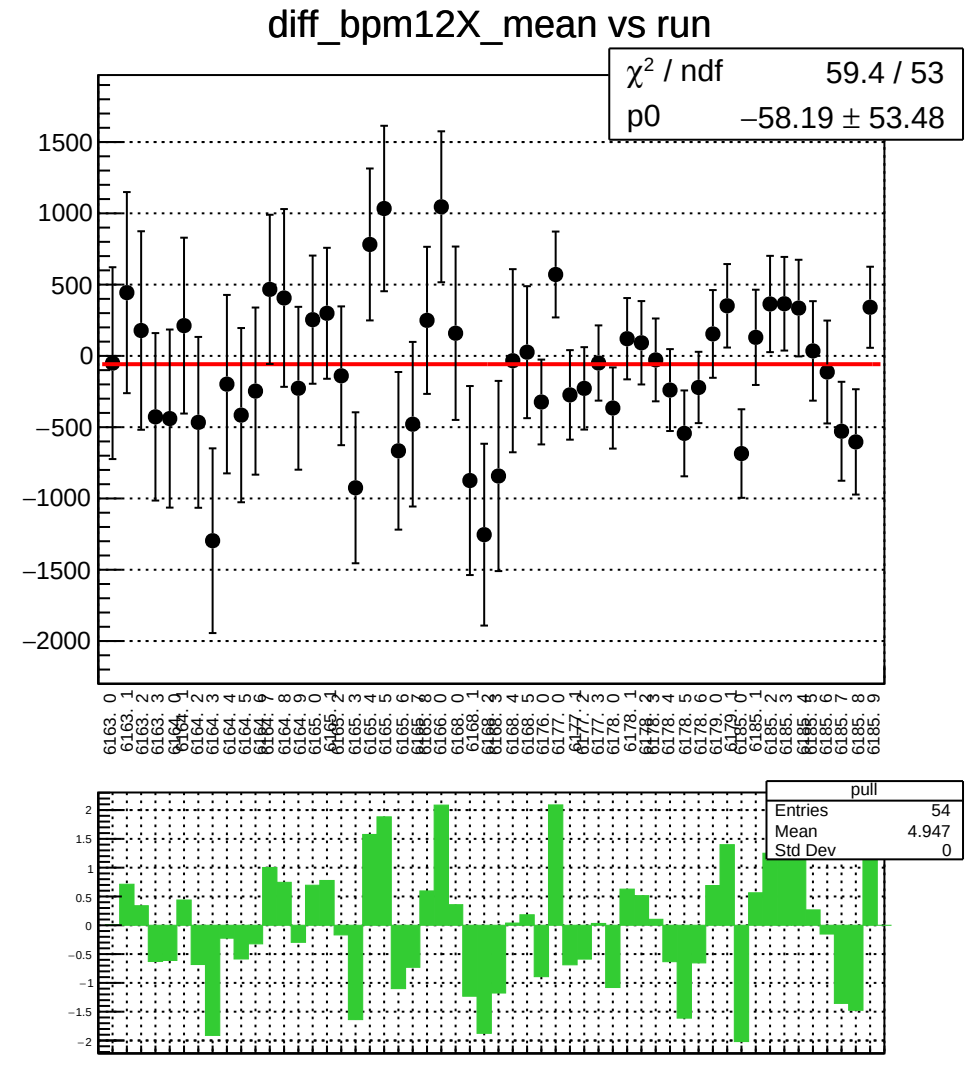

pull1D
Entries 54
Mean −0.0243
Std Dev 1.056

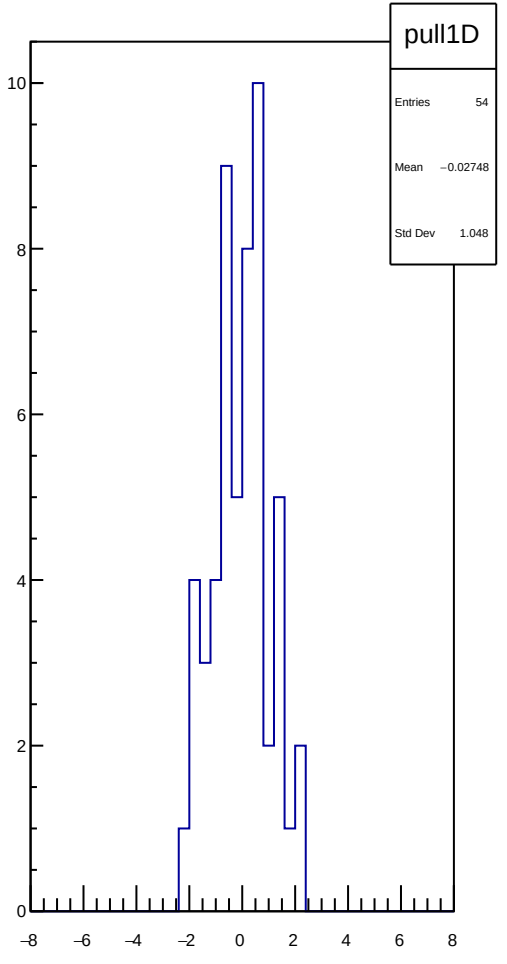

diff_bpm11X_rms vs run
χ² / ndf 8.41e+04 / 53
p0 1.423e+04 ± 14.61
26000
24000
22000
20000
18000
16000
14000
12000
10000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

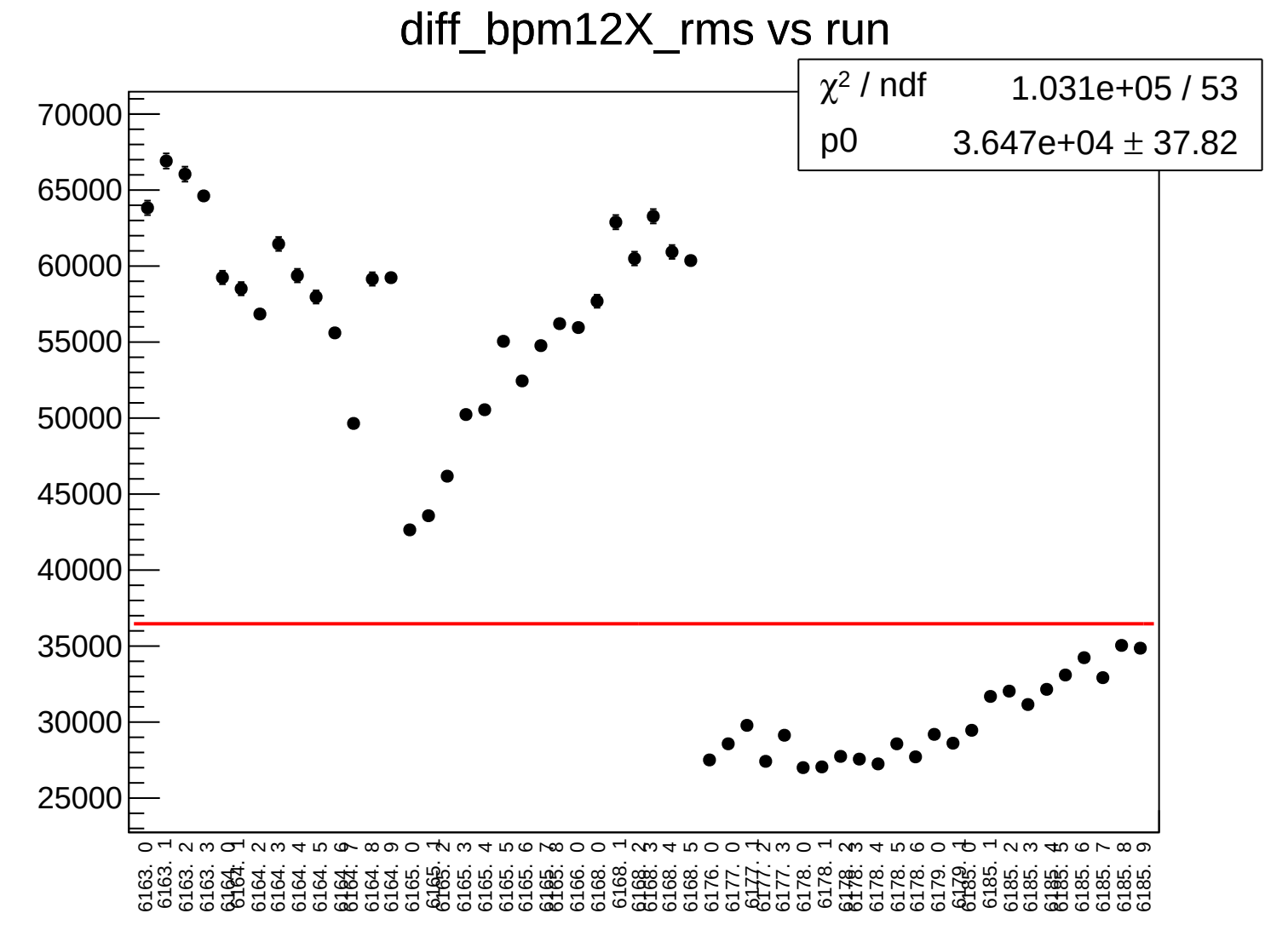

diff_bpm11Y_mean vs run
χ² / ndf 53.25 / 53
p0 3.087 ± 11.53
pull
Entries 54
Mean 91.36
Std Dev 0

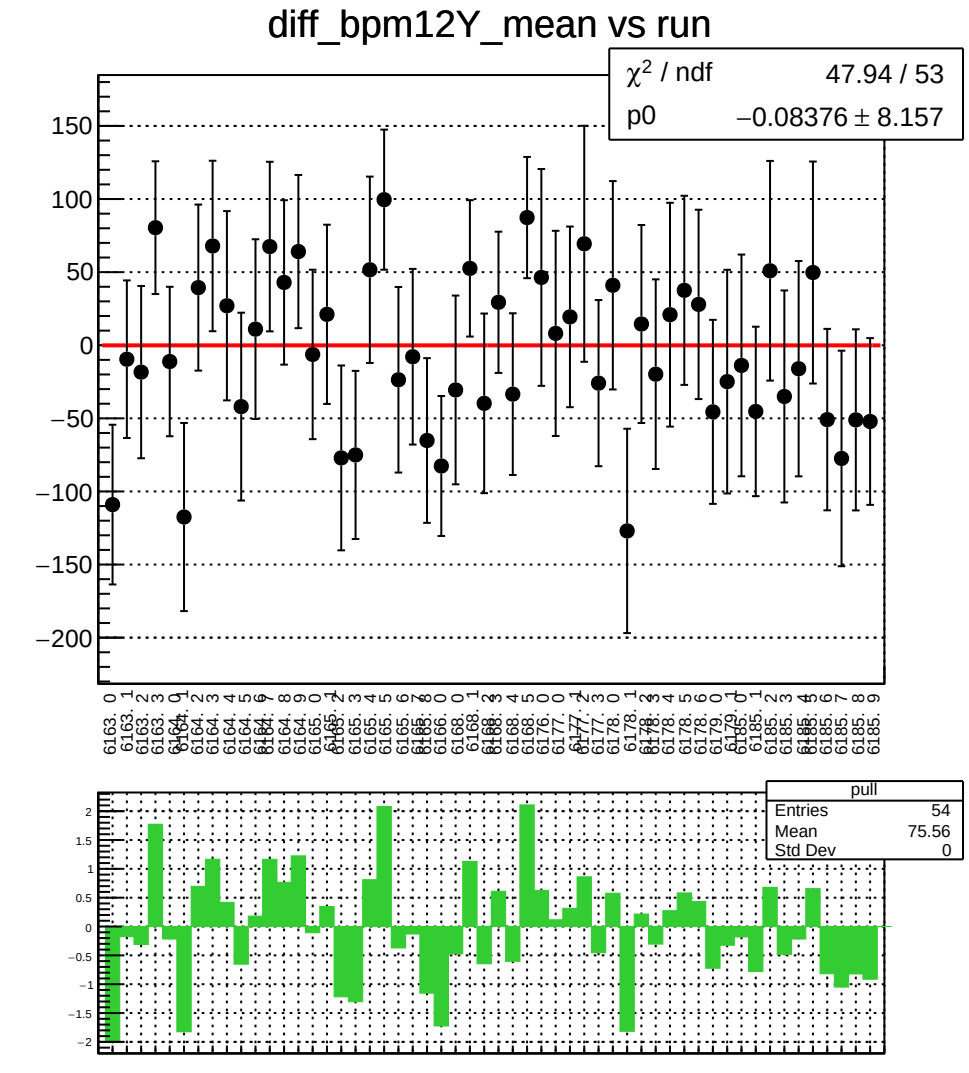

pull1D
Entries 54
Mean −0.03288
Std Dev 0.9925

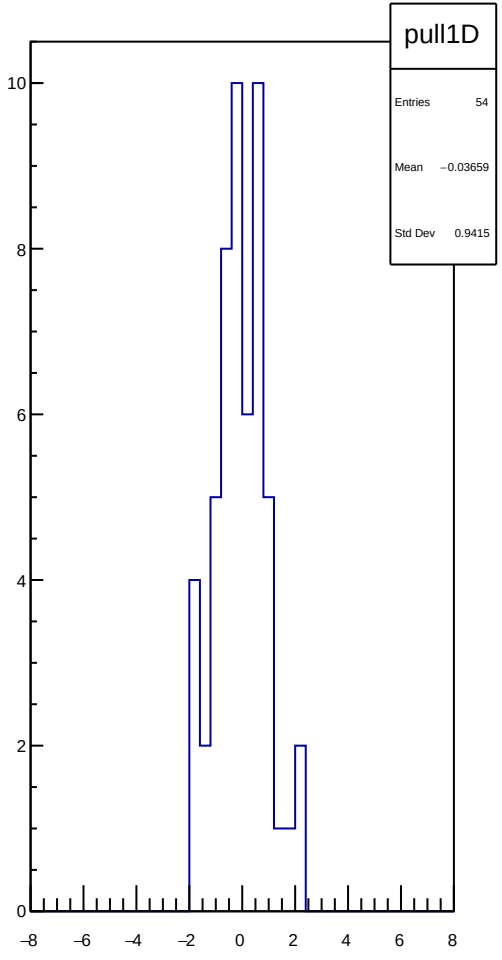

diff_bpm11Y_rms vs run
χ² / ndf 1.805e+04 / 53
p0 8214 ± 8.154
11000
10000
9000
8000
7000
6000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

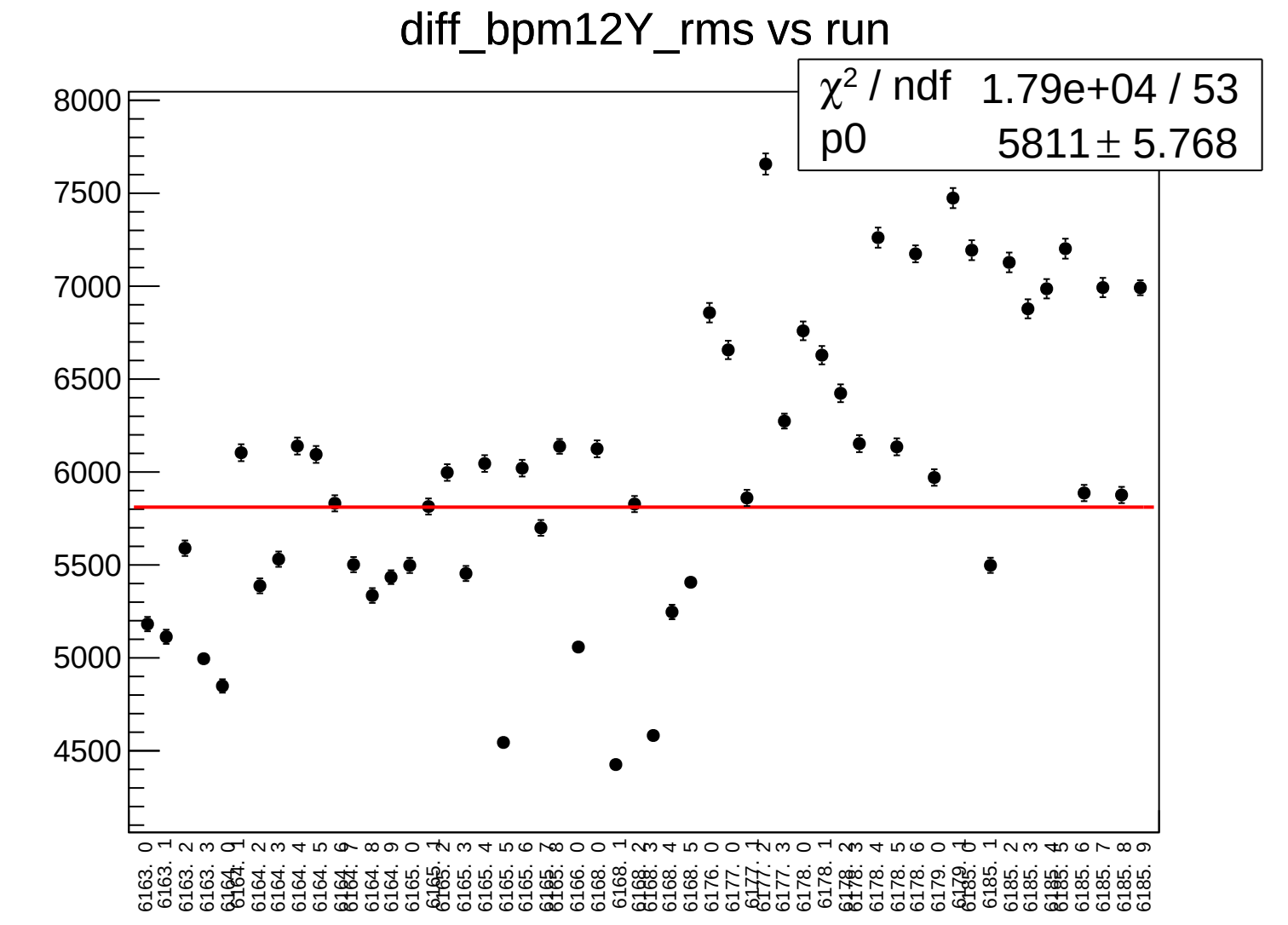

diff_bpm12X_mean vs run
χ² / ndf 59.4 / 53
p0 −58.19 ± 53.48
pull
Entries 54
Mean 4.947
Std Dev 0

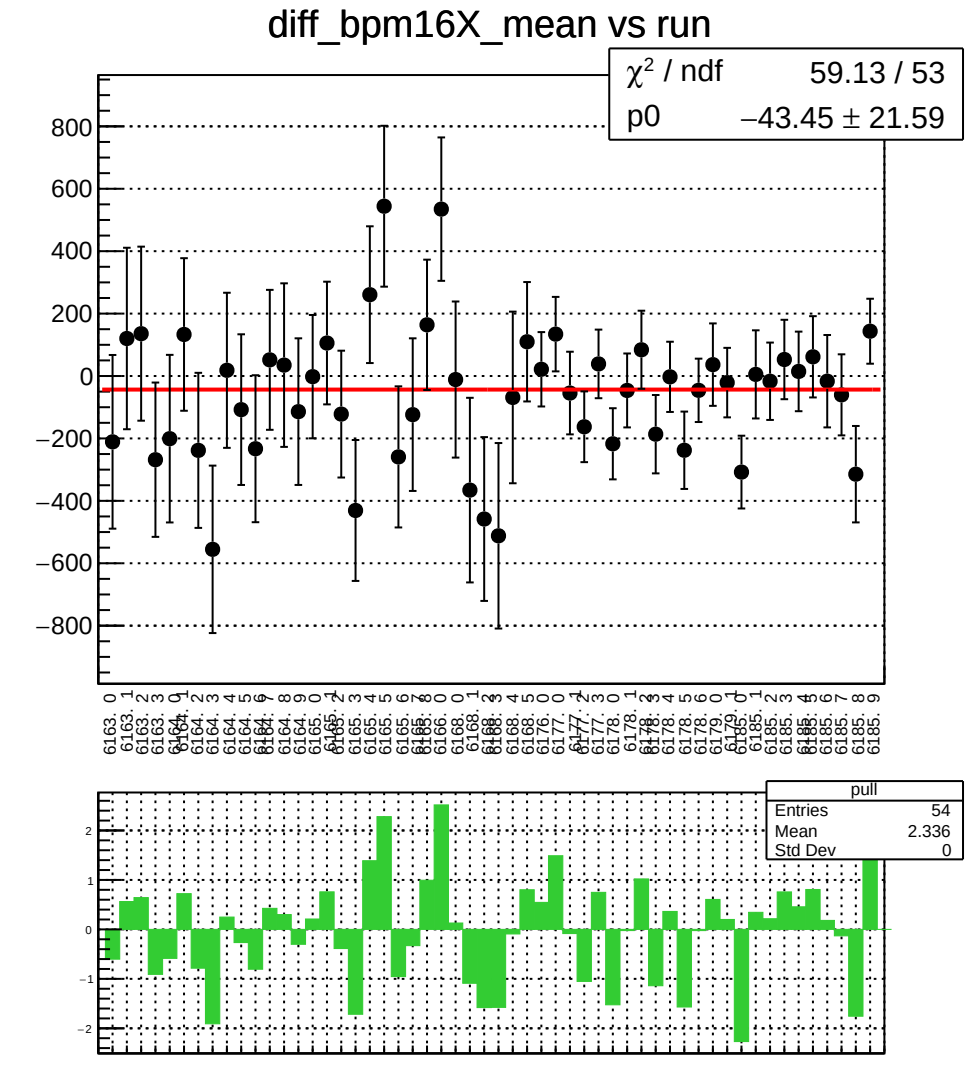

pull1D
Entries 54
Mean −0.02748
Std Dev 1.048

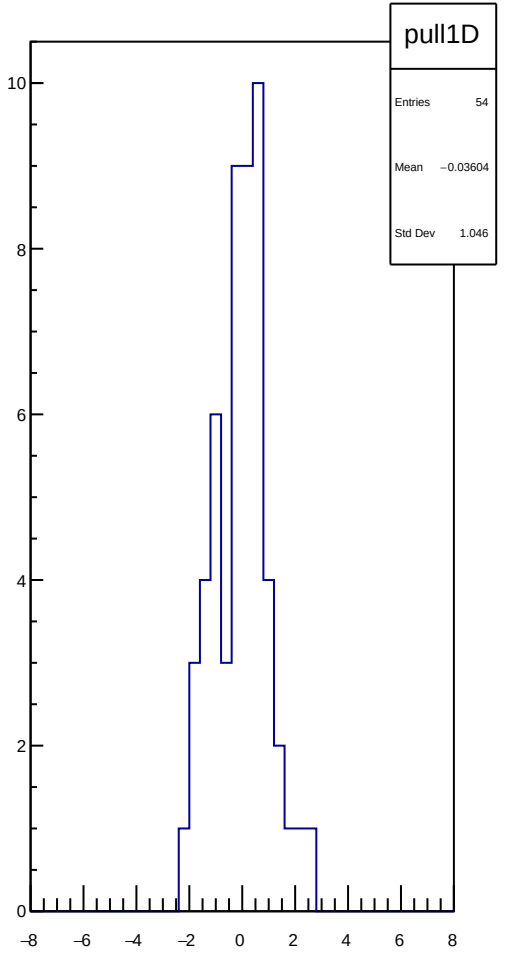

diff_bpm12X_rms vs run
χ^2 / ndf 1.031e+05 / 53
p0 3.647e+04 ± 37.82
70000
65000
60000
55000
50000
45000
40000
35000
30000
25000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

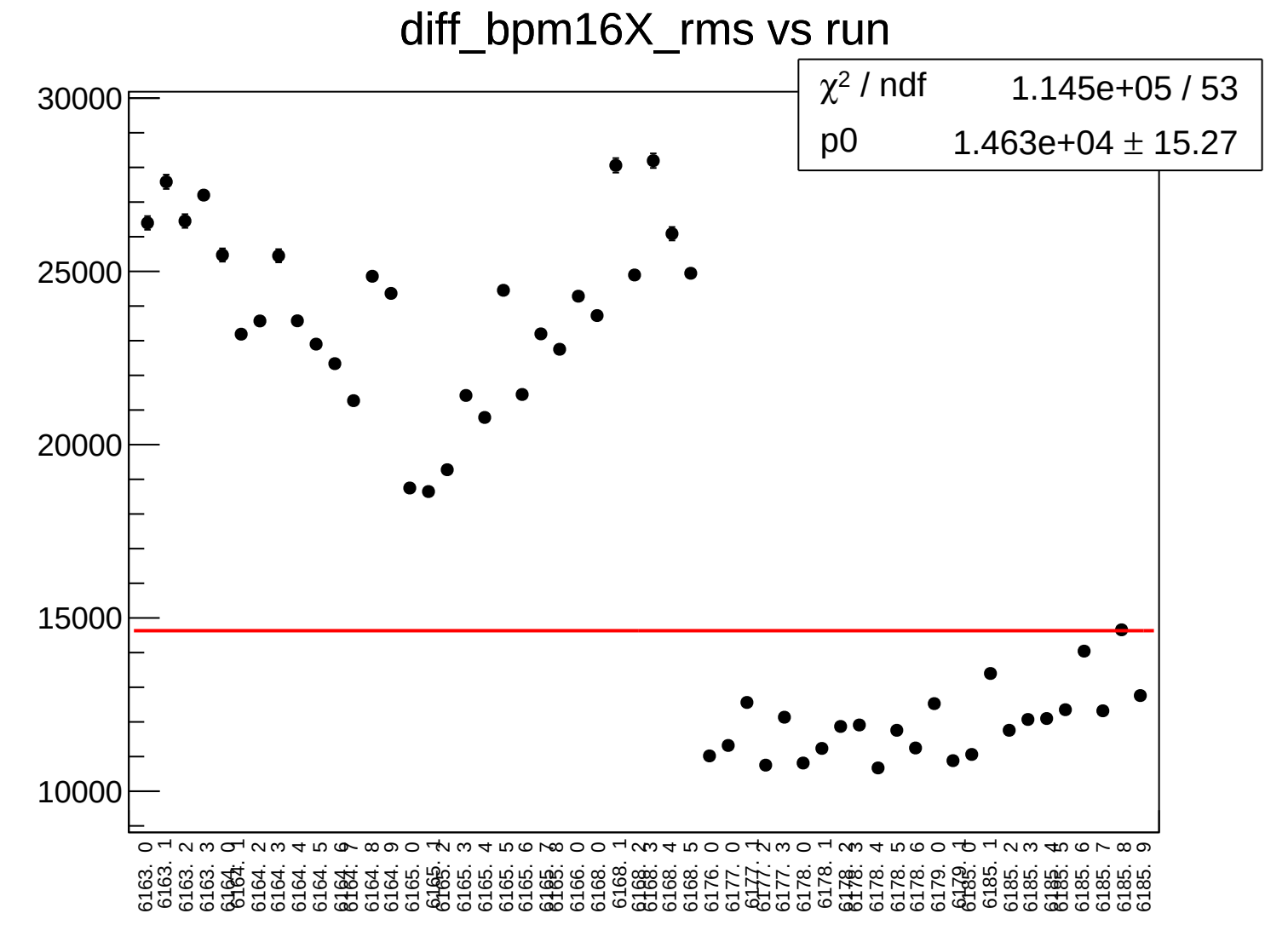

diff_bpm12Y_mean vs run
χ² / ndf 47.94 / 53
p0 −0.08376 ± 8.157
150
100
50
0
−50
−100
−150
−200
pull
Entries 54
Mean 75.56
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 54
Mean −0.03659
Std Dev 0.9415
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


diff_bpm12Y_rms vs run
χ² / ndf 1.79e+04 / 53
p0 5811 ± 5.768
8000
7500
7000
6500
6000
5500
5000
4500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


diff_bpm16X_mean vs run
χ² / ndf 59.13 / 53
p0 −43.45 ± 21.59
pull
Entries 54
Mean 2.336
Std Dev 0


pull1D
Entries 54
Mean −0.03604
Std Dev 1.046


diff_bpm16X_rms vs run
χ² / ndf 1.145e+05 / 53
p0 1.463e+04 ± 15.27
30000
25000
20000
15000
10000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
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6185. 6
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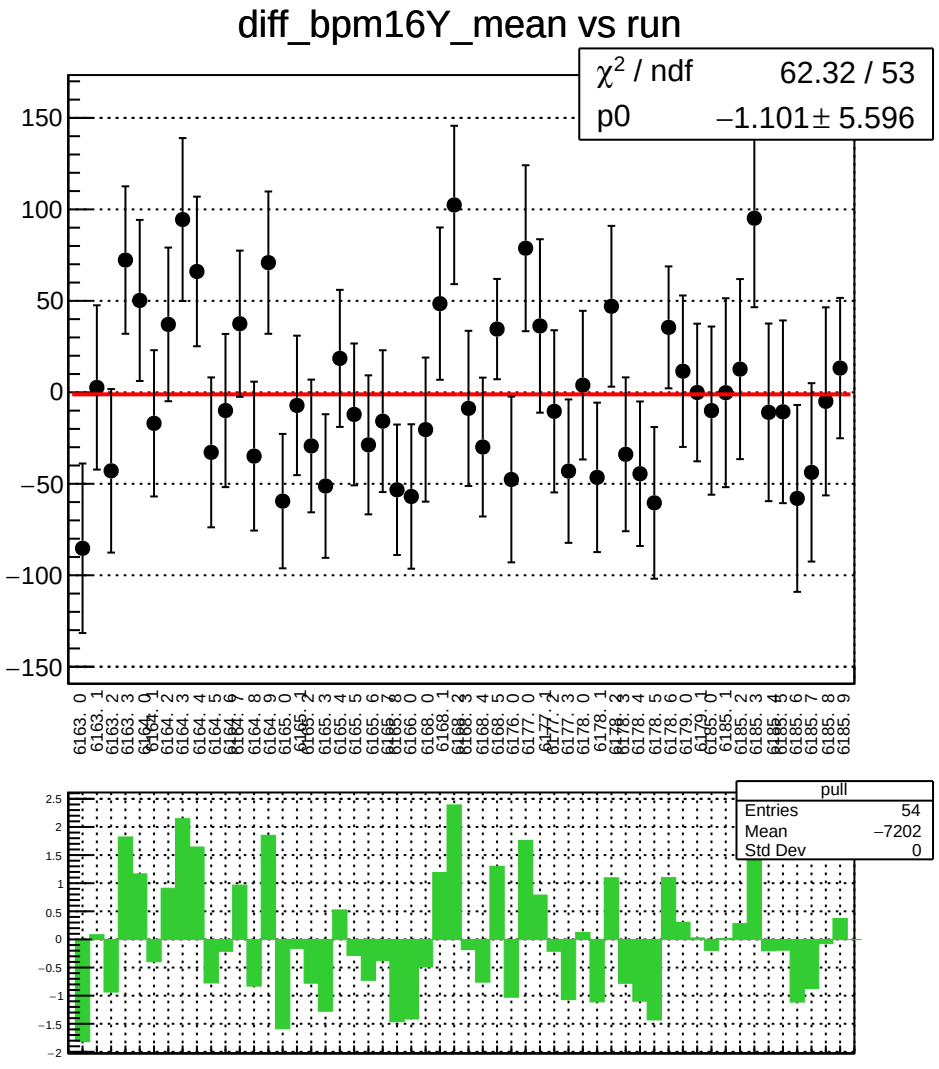
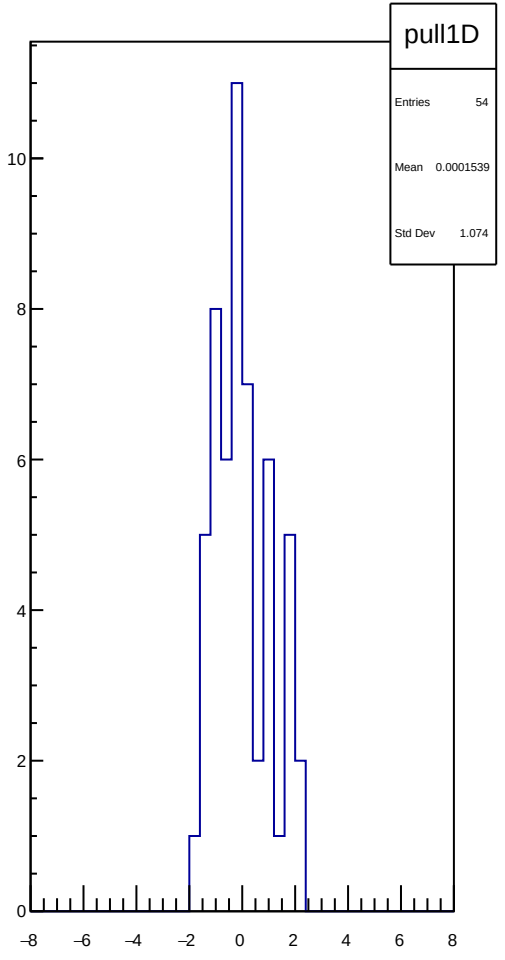
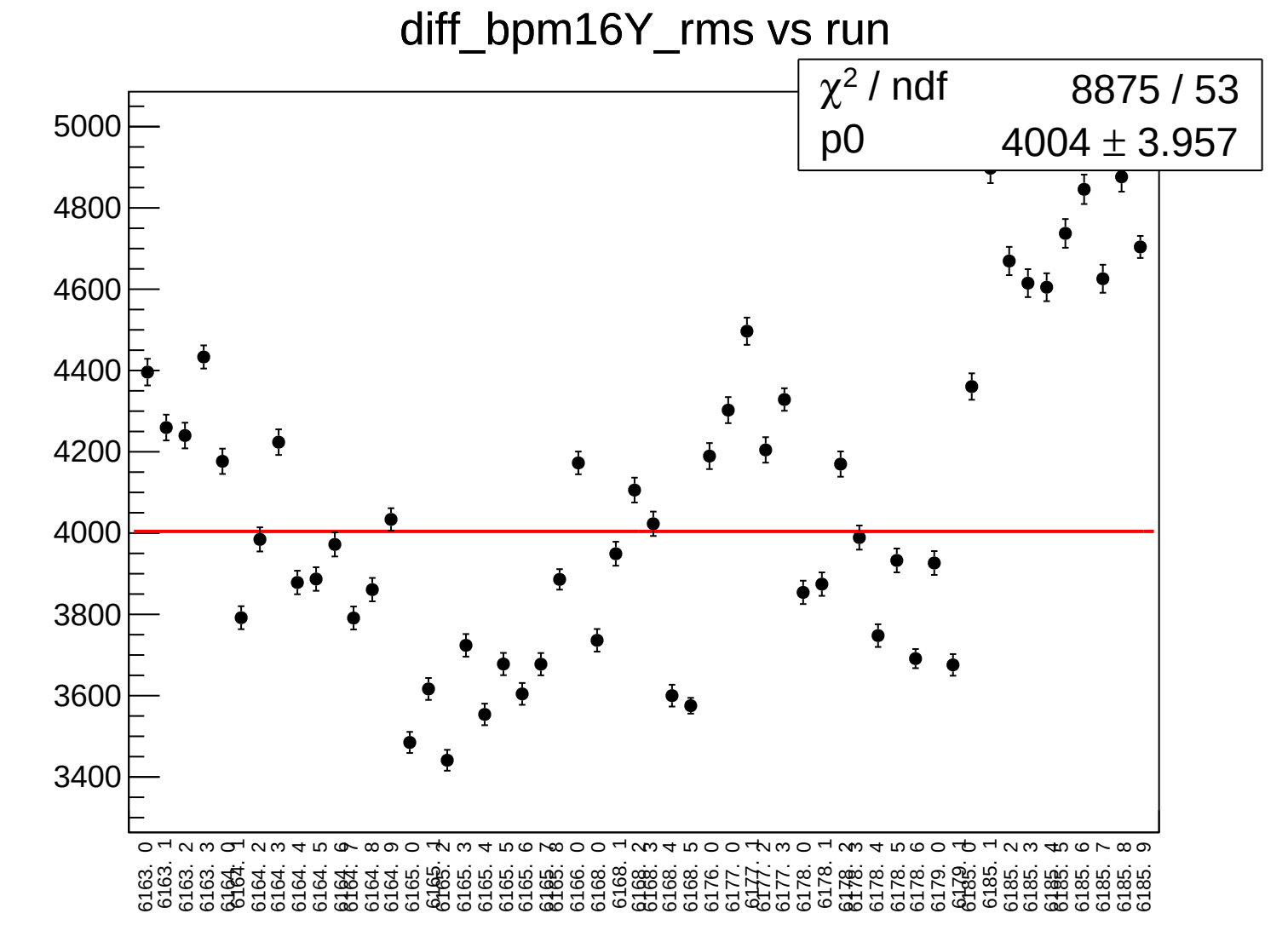
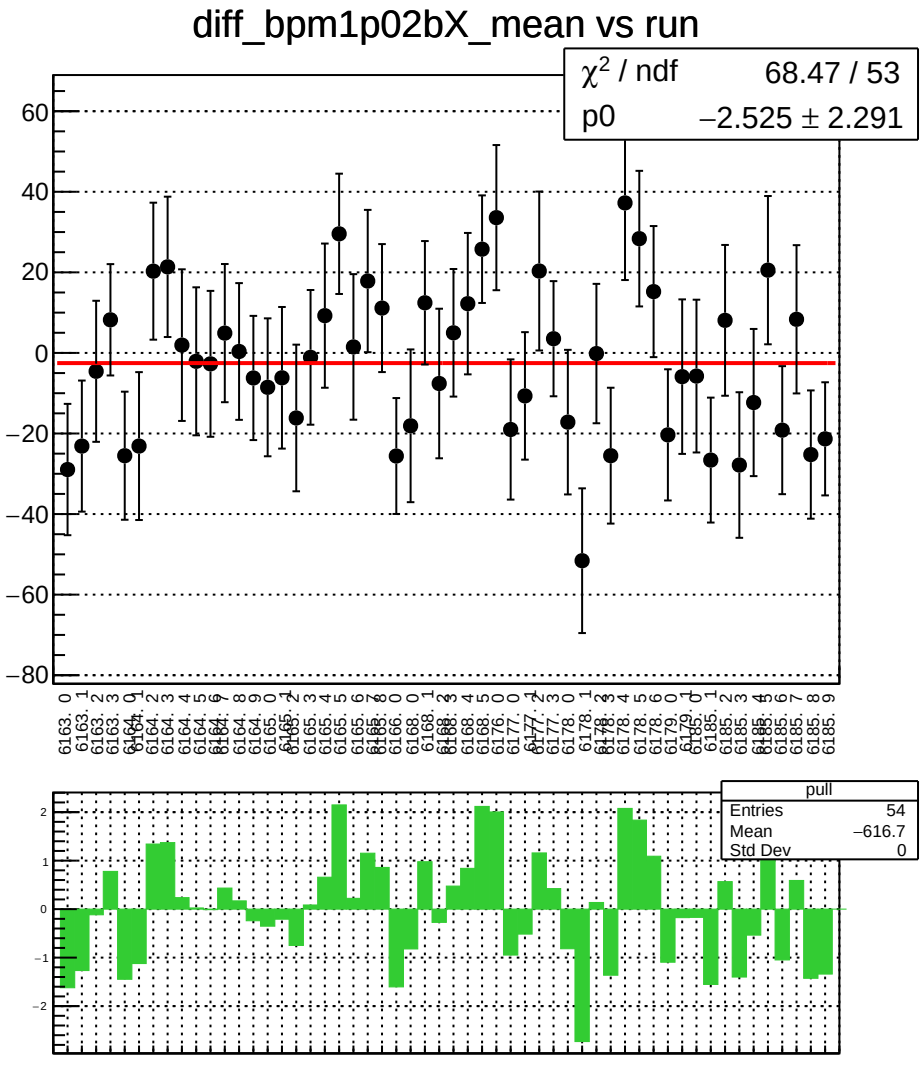
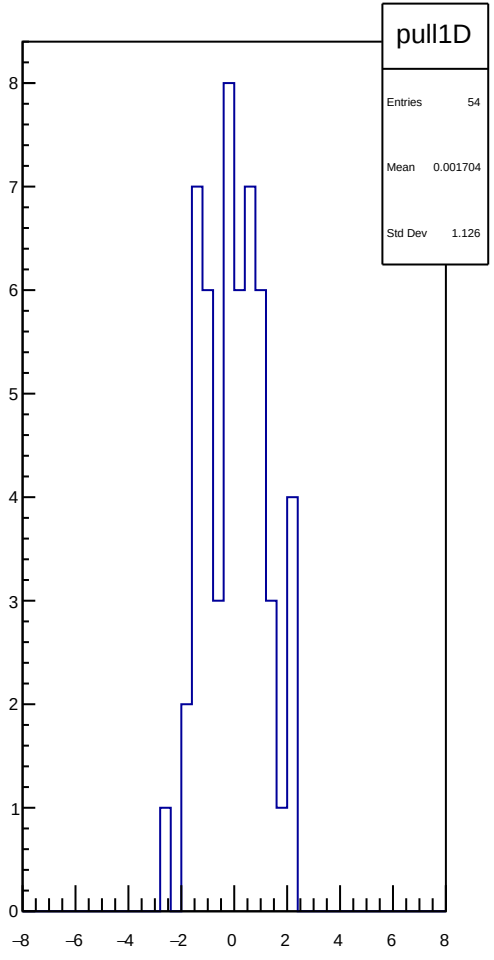
6185. 8
6185. 9

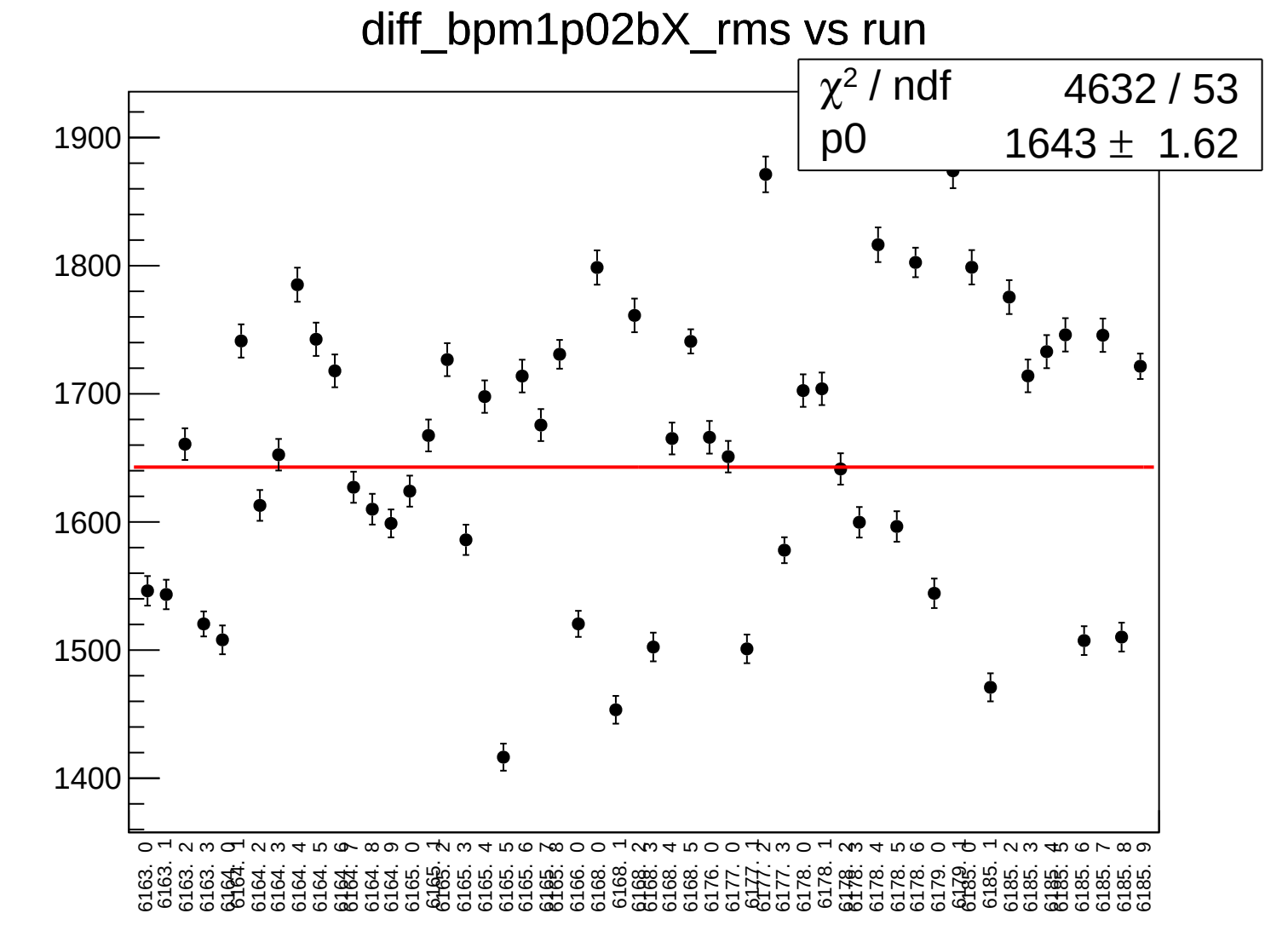

diff_bpm16Y_mean vs run
χ² / ndf 62.32 / 53
p0 −1.101 ± 5.596
pull
Entries 54
Mean −7202
Std Dev 0

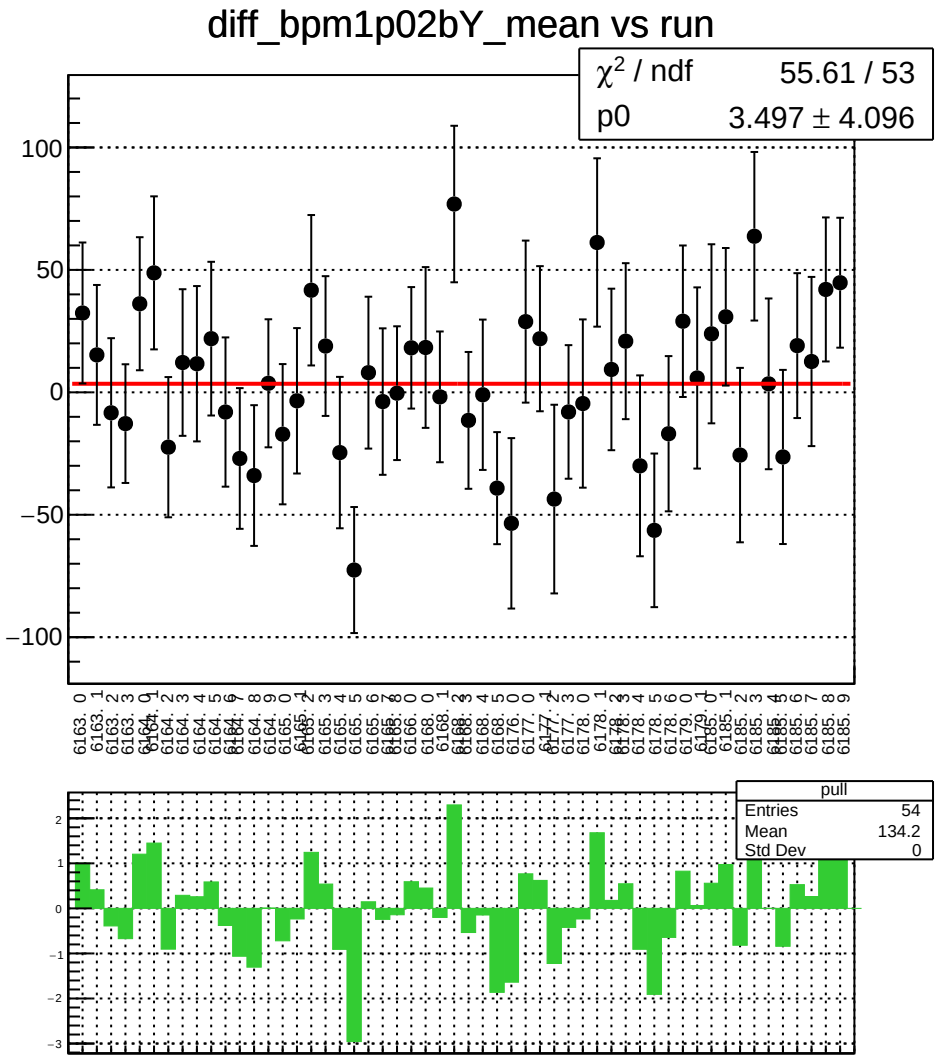

pull1D
Entries 54
Mean 0.0001539
Std Dev 1.074

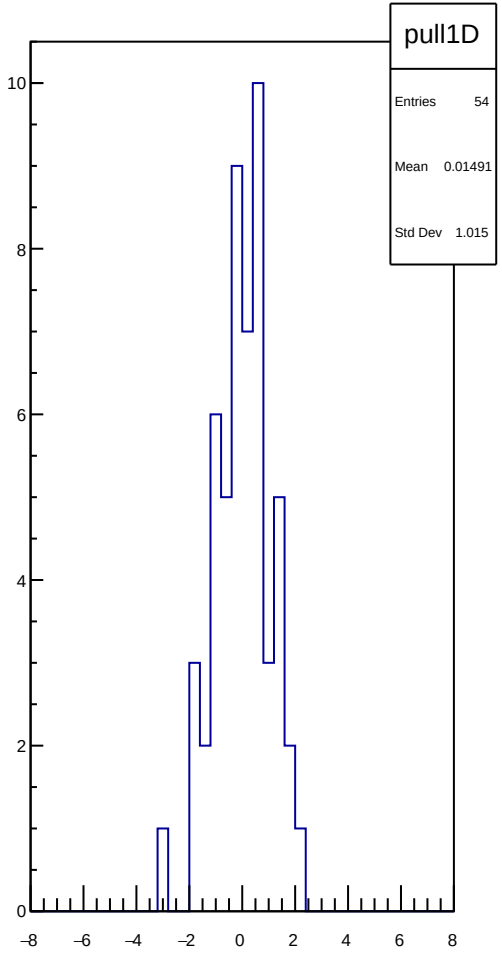

diff_bpm16Y_rms vs run
χ² / ndf 8875 / 53
p0 4004 ± 3.957
5000
4800
4600
4400
4200
4000
3800
3600
3400
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

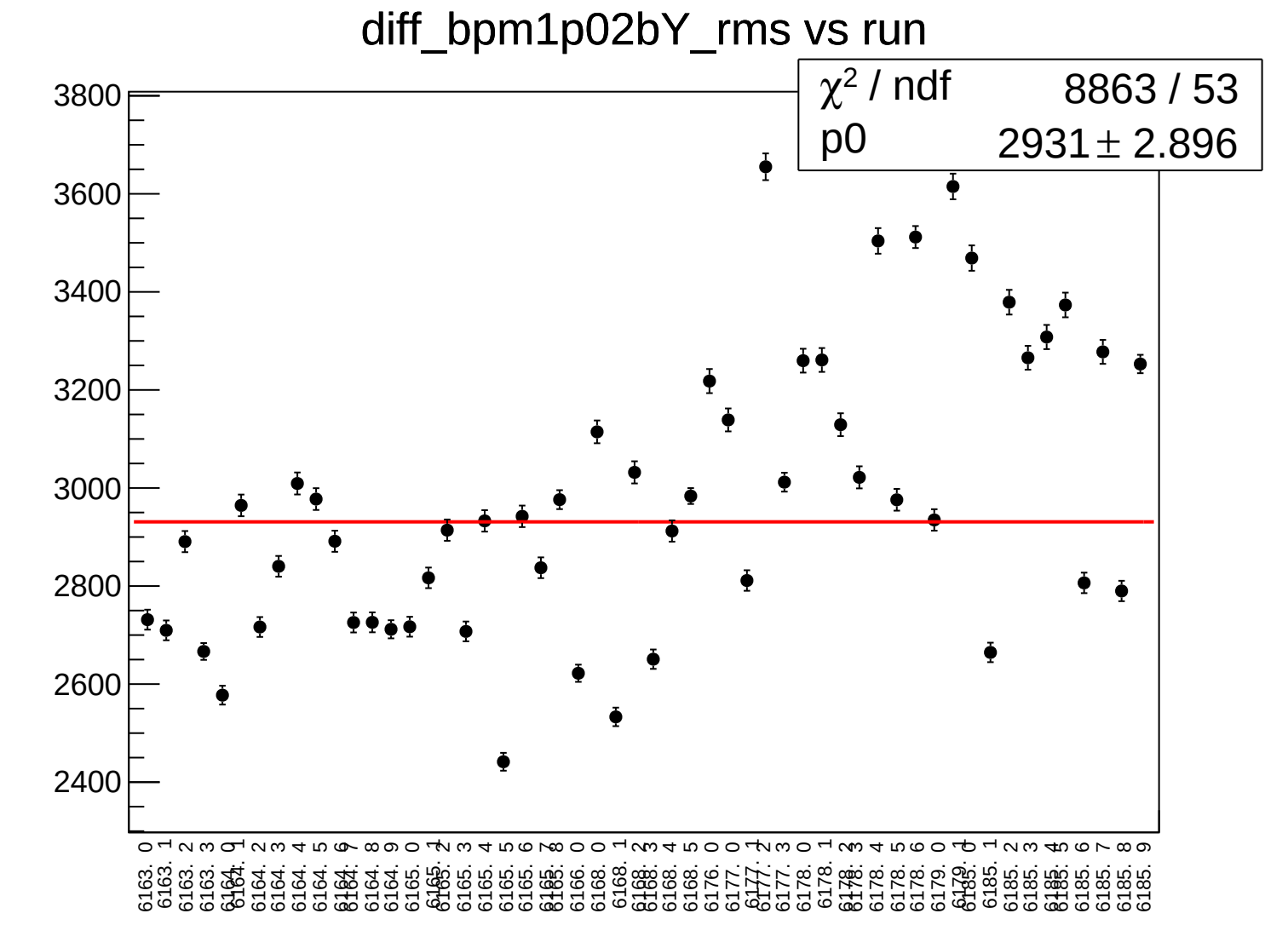

diff_bpm1p02bX_mean vs run
χ² / ndf 68.47 / 53
p0 −2.525 ± 2.291
pull
Entries 54
Mean −616.7
Std Dev 0

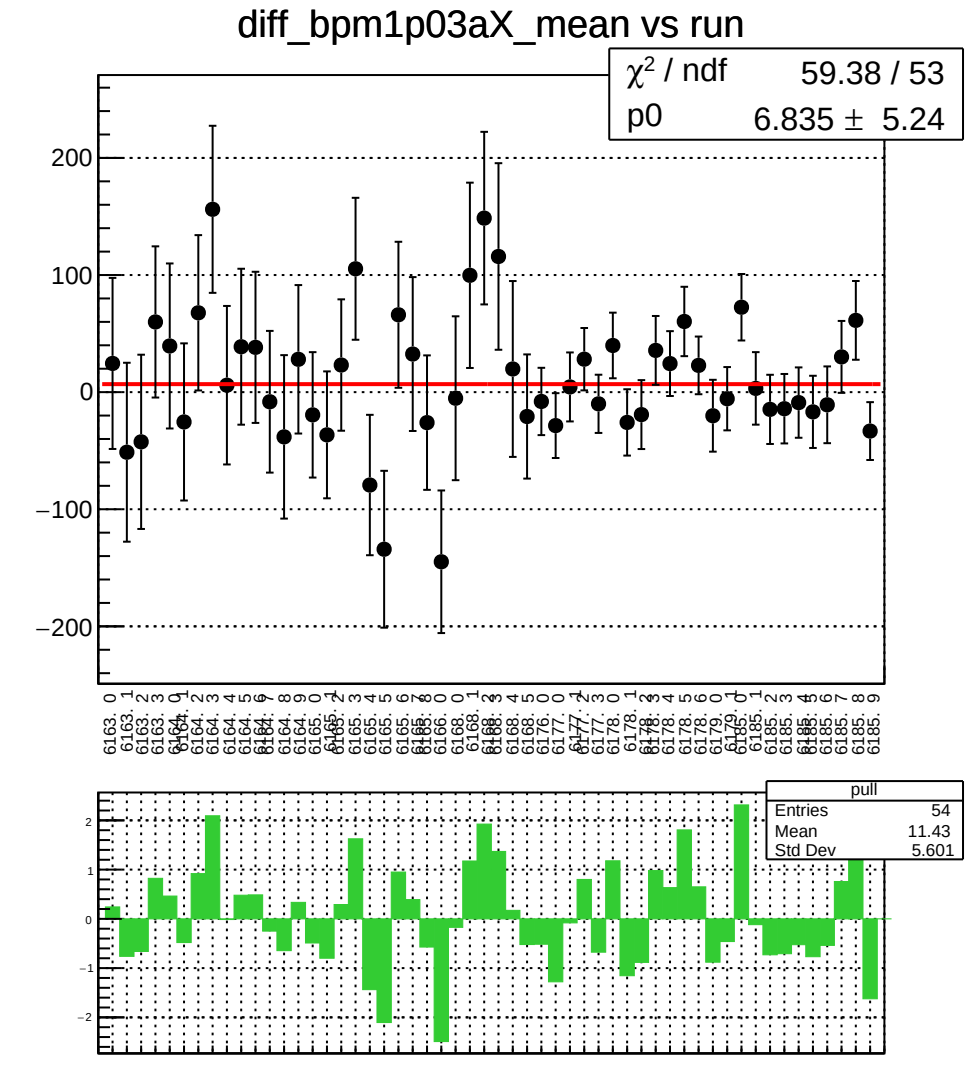

pull1D
Entries 54
Mean 0.001704
Std Dev 1.126

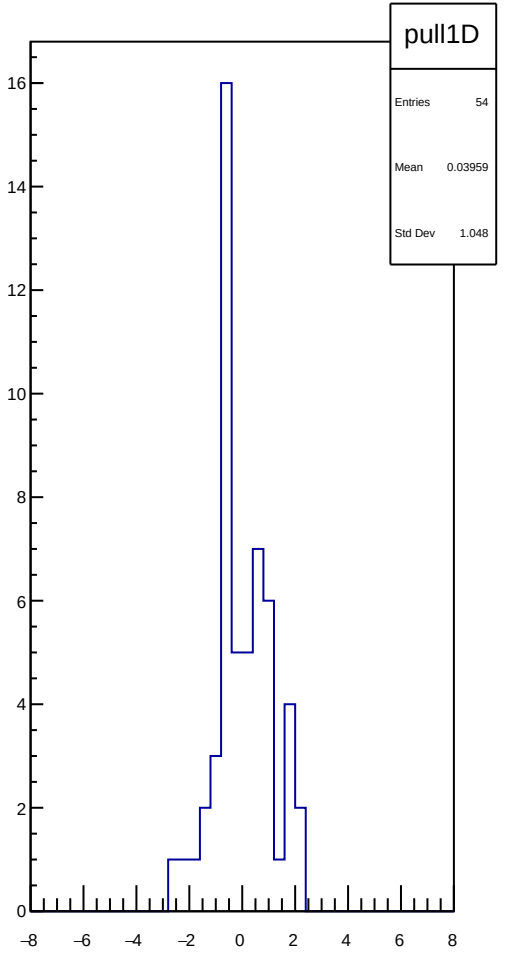

diff_bpm1p02bX_rms vs run
χ² / ndf 4632 / 53
p0 1643 ± 1.62
1900
1800
1700
1600
1500
1400
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

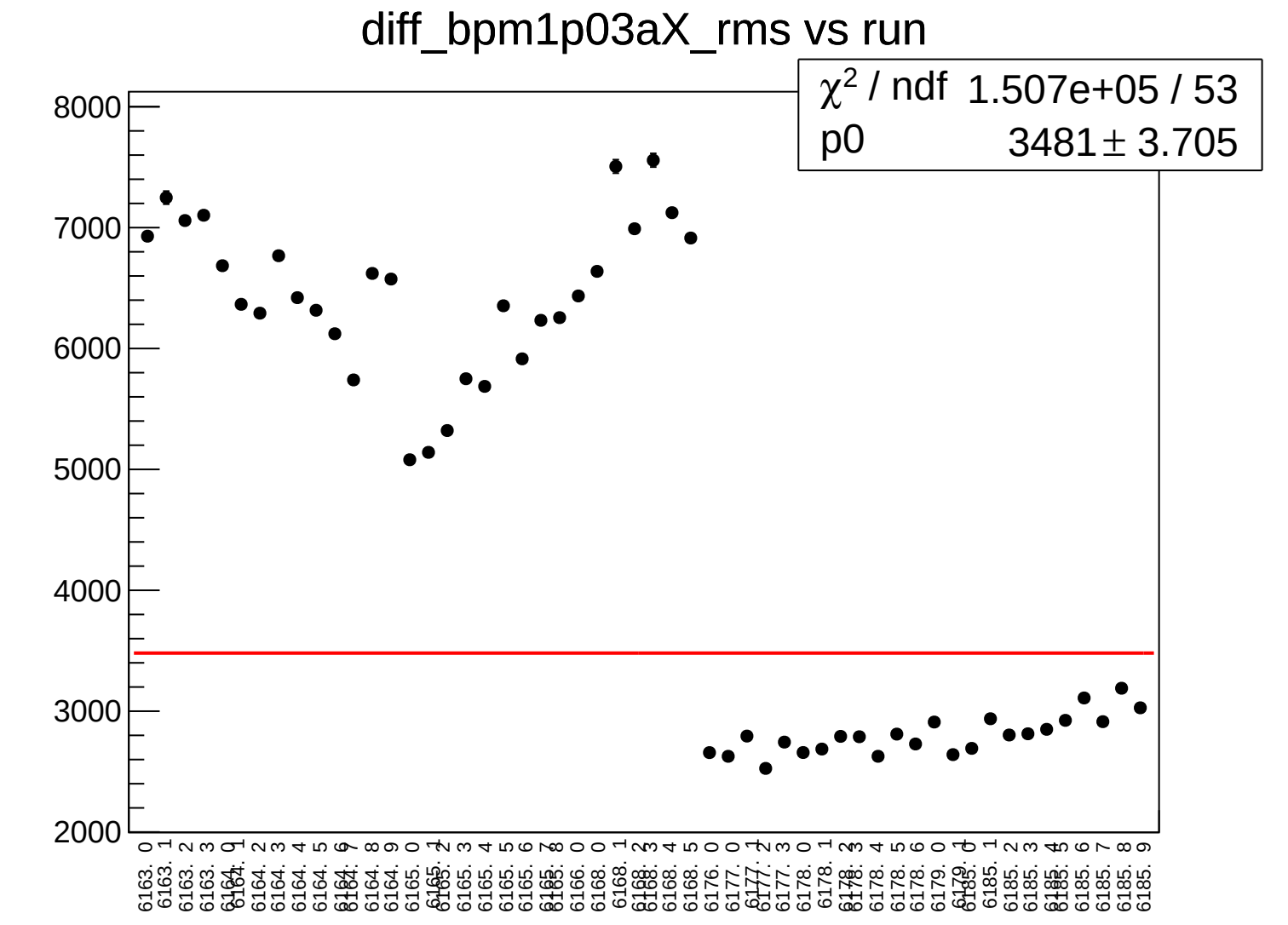

diff_bpm1p02bY_mean vs run
χ² / ndf 55.61 / 53
p0 3.497 ± 4.096
100
50
0
−50
−100
pull
Entries 54
Mean 134.2
Std Dev 0
2
1
0
−1
−2
−3

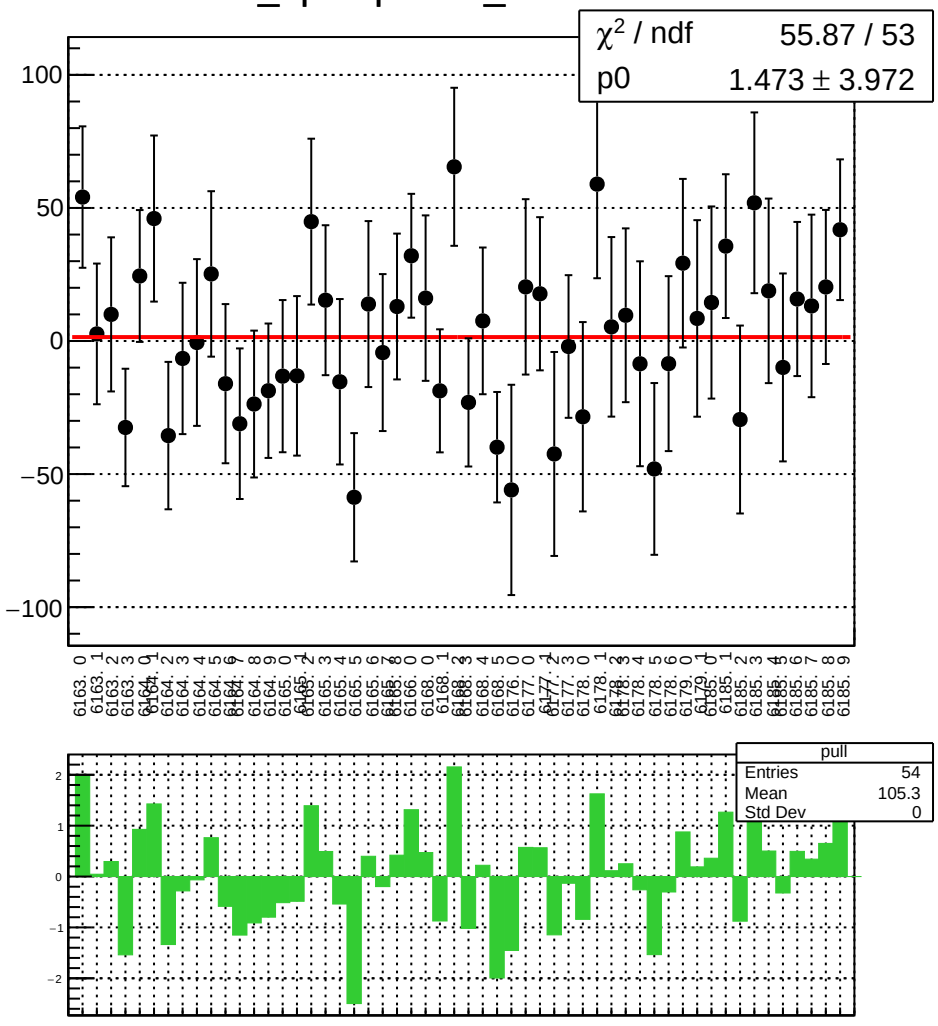

pull1D
Entries 54
Mean 0.01491
Std Dev 1.015
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

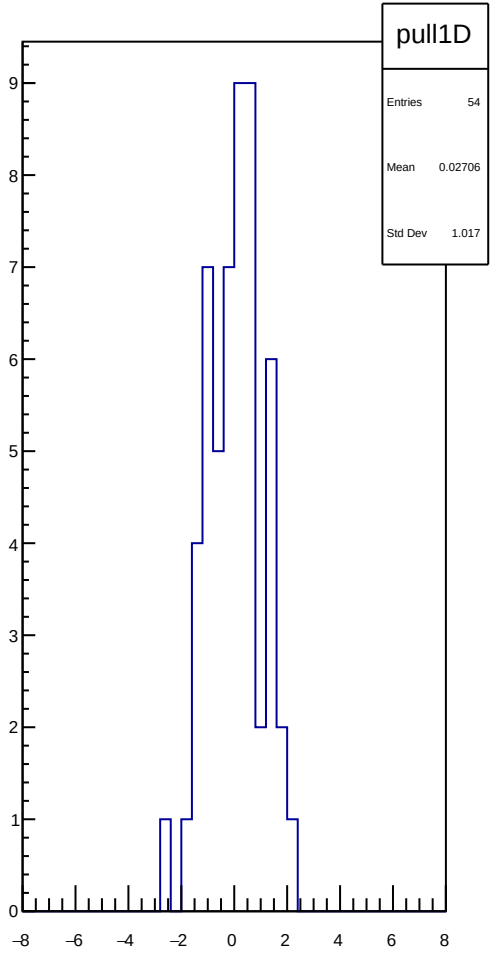

diff_bpm1p02bY_rms vs run
χ² / ndf 8863 / 53
p0 2931 ± 2.896
3800
3600
3400
3200
3000
2800
2600
2400
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

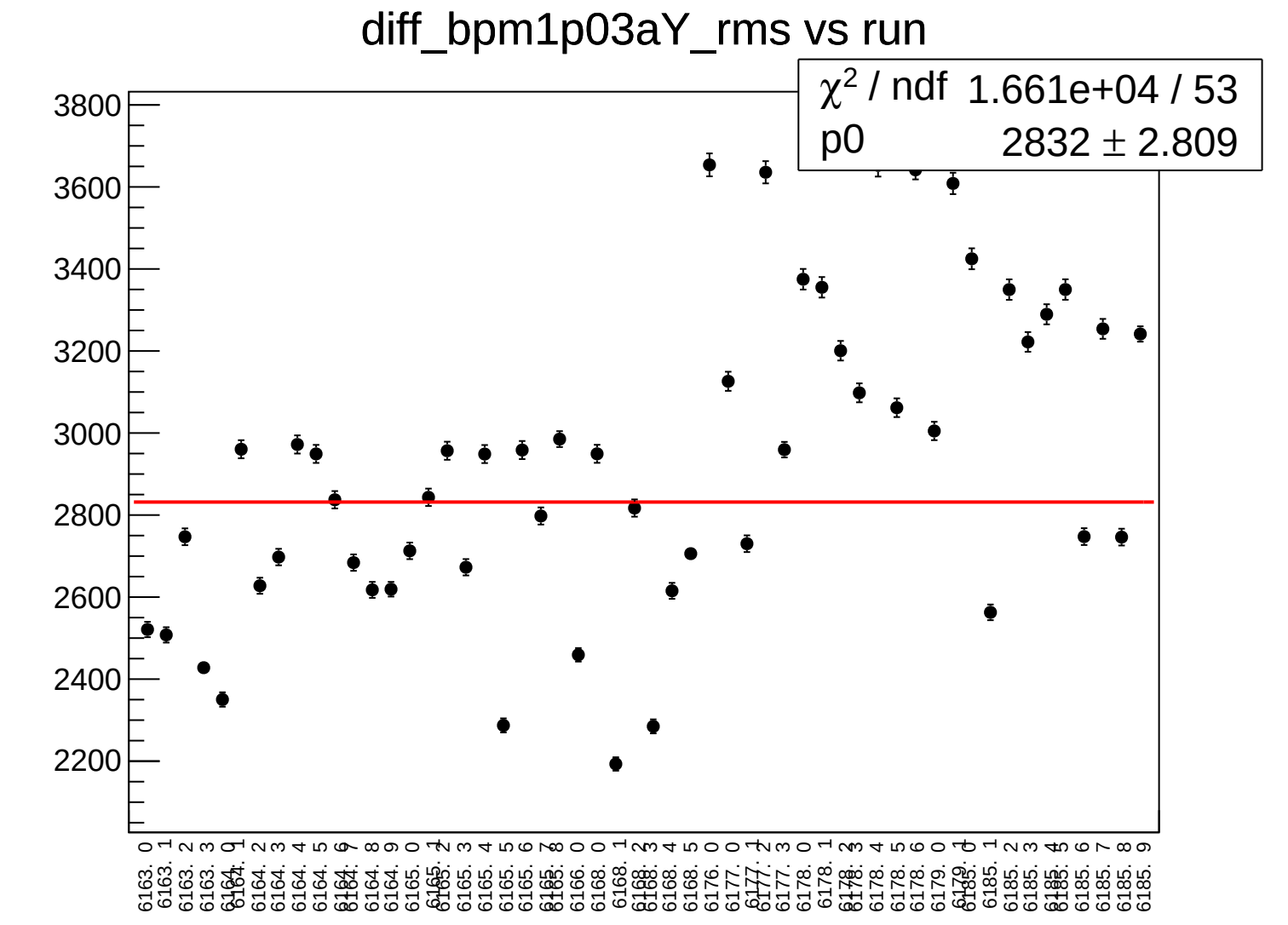

diff_bpm1p03aX_mean vs run
χ² / ndf 59.38 / 53
p0 6.835 ± 5.24
200
100
0
−100
−200
pull
Entries 54
Mean 11.43
Std Dev 5.601
2
1
0
−1
−2

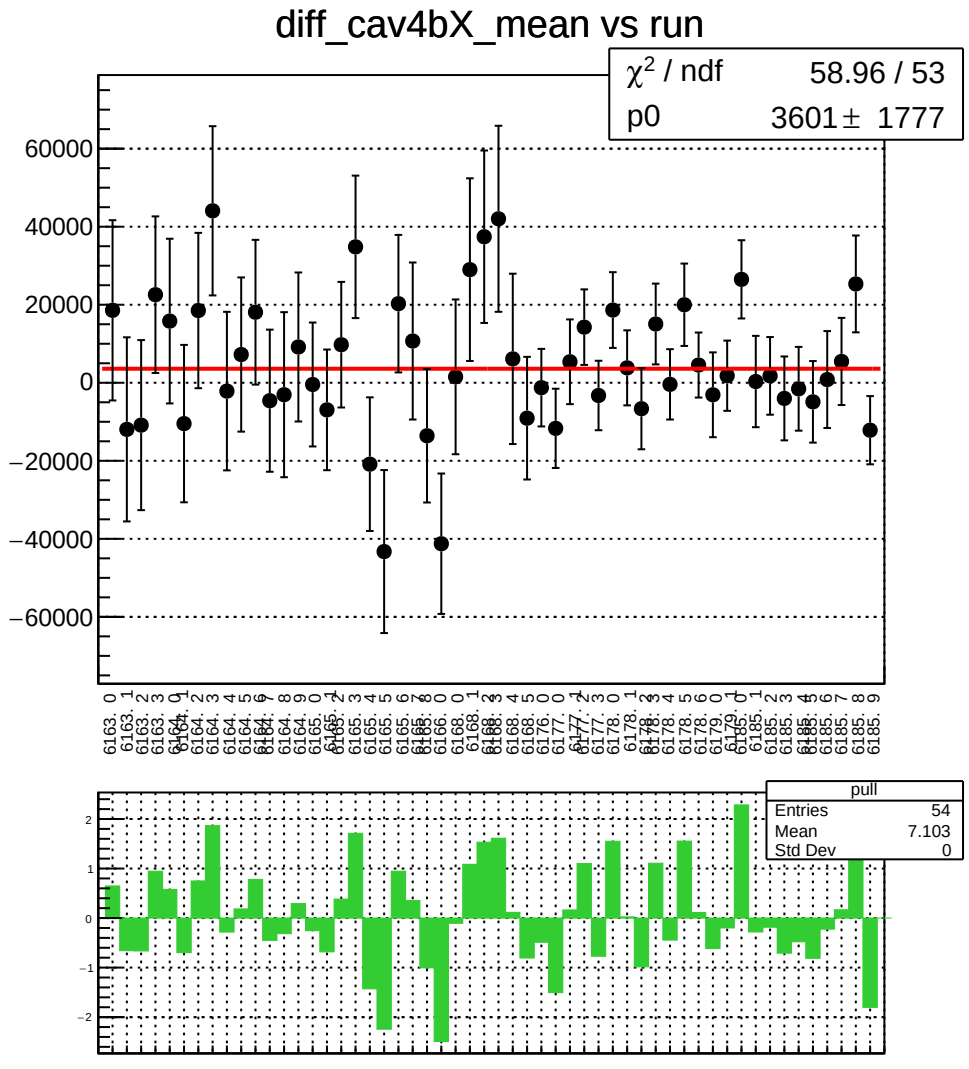

pull1D
Entries 54
Mean 0.03959
Std Dev 1.048
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

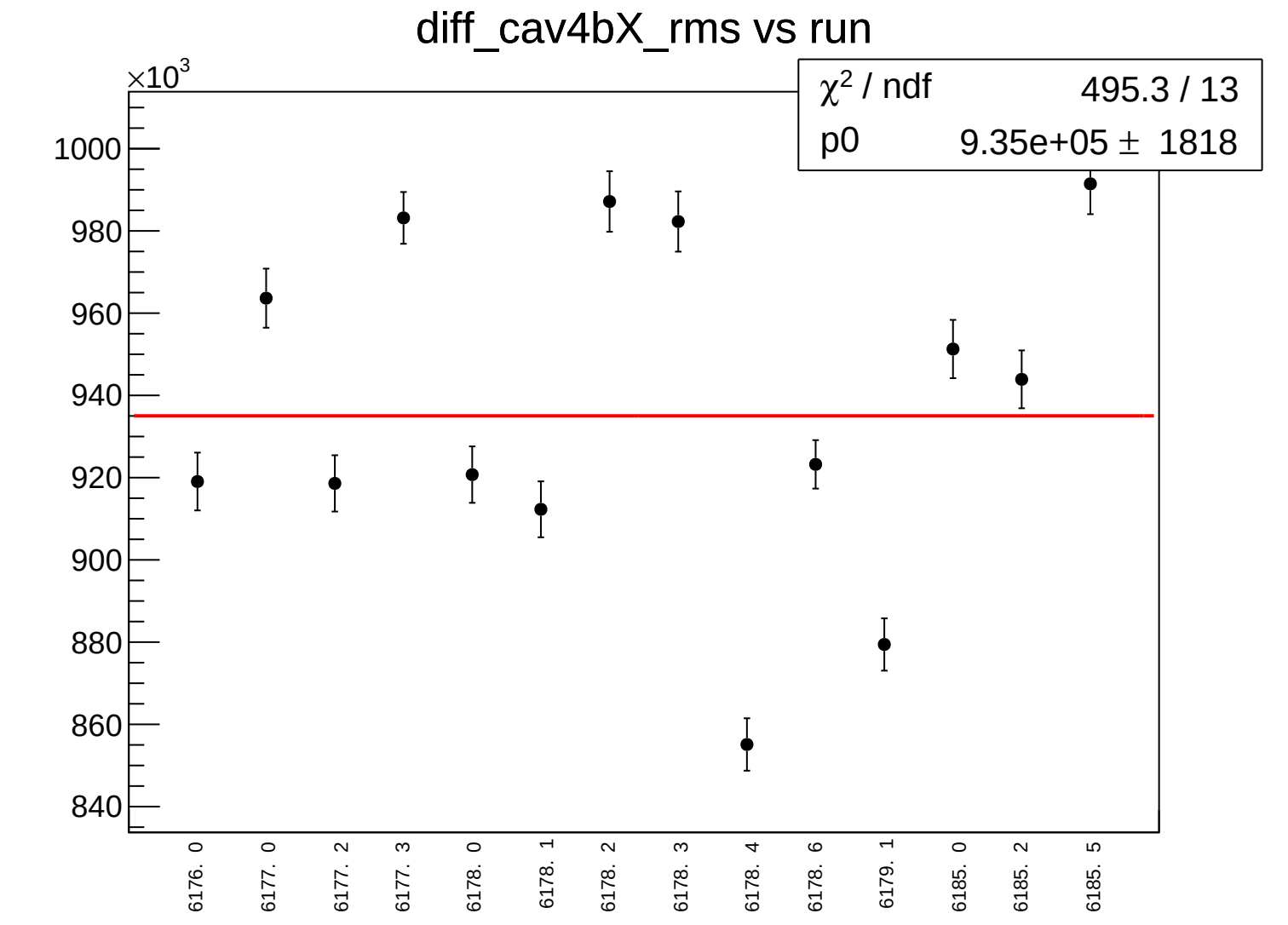

diff_bpm1p03aX_rms vs run
χ² / ndf 1.507e+05 / 53
p0 3481 ± 3.705
8000
7000
6000
5000
4000
3000
2000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

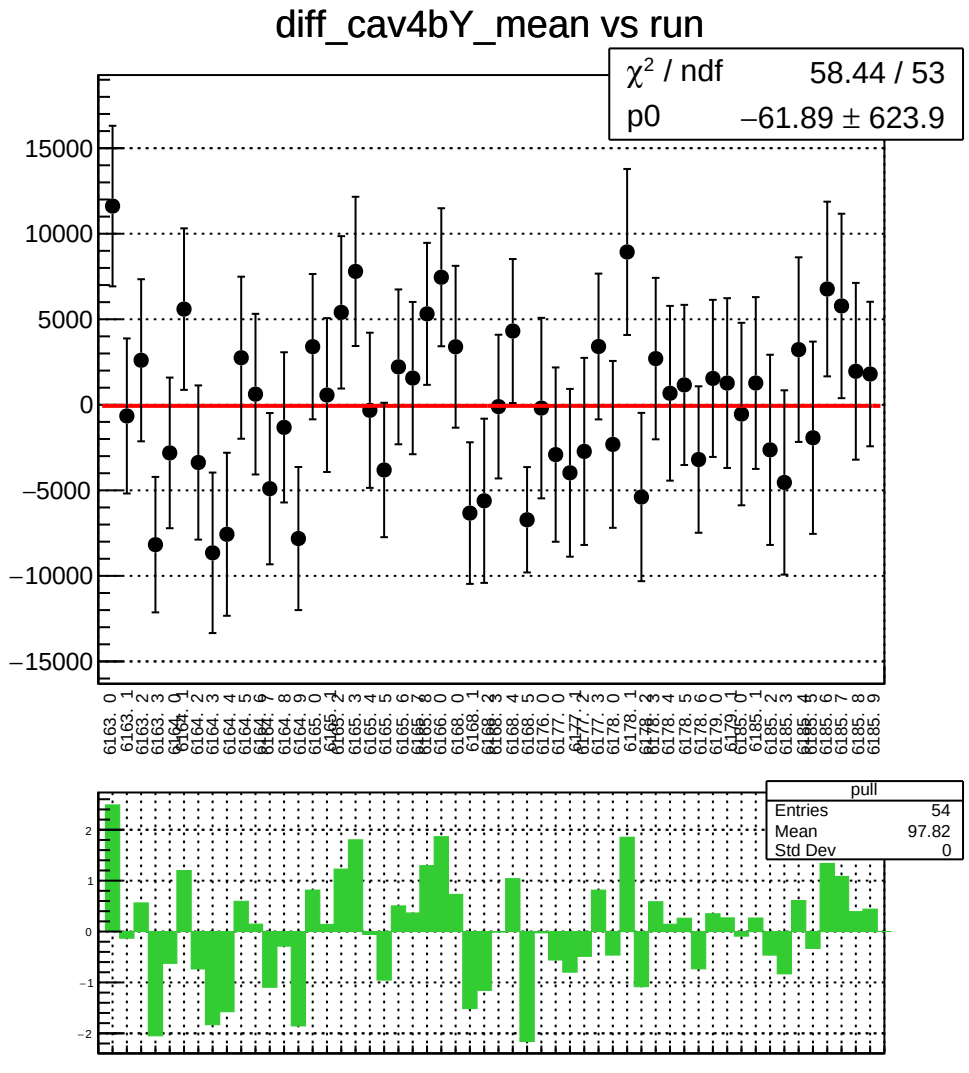

diff_bpm1p03aY_mean vs run
χ^2 / ndf 55.87 / 53
p0 1.473 ± 3.972
100
50
0
−50
−100
pull
Entries 54
Mean 105.3
Std Dev 0
2
1
0
−1
−2

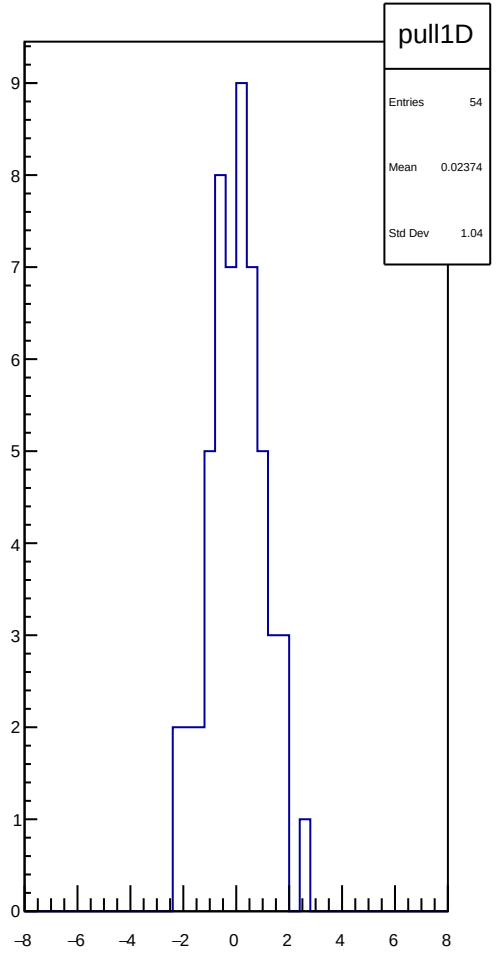

pull1D
Entries 54
Mean 0.02706
Std Dev 1.017
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

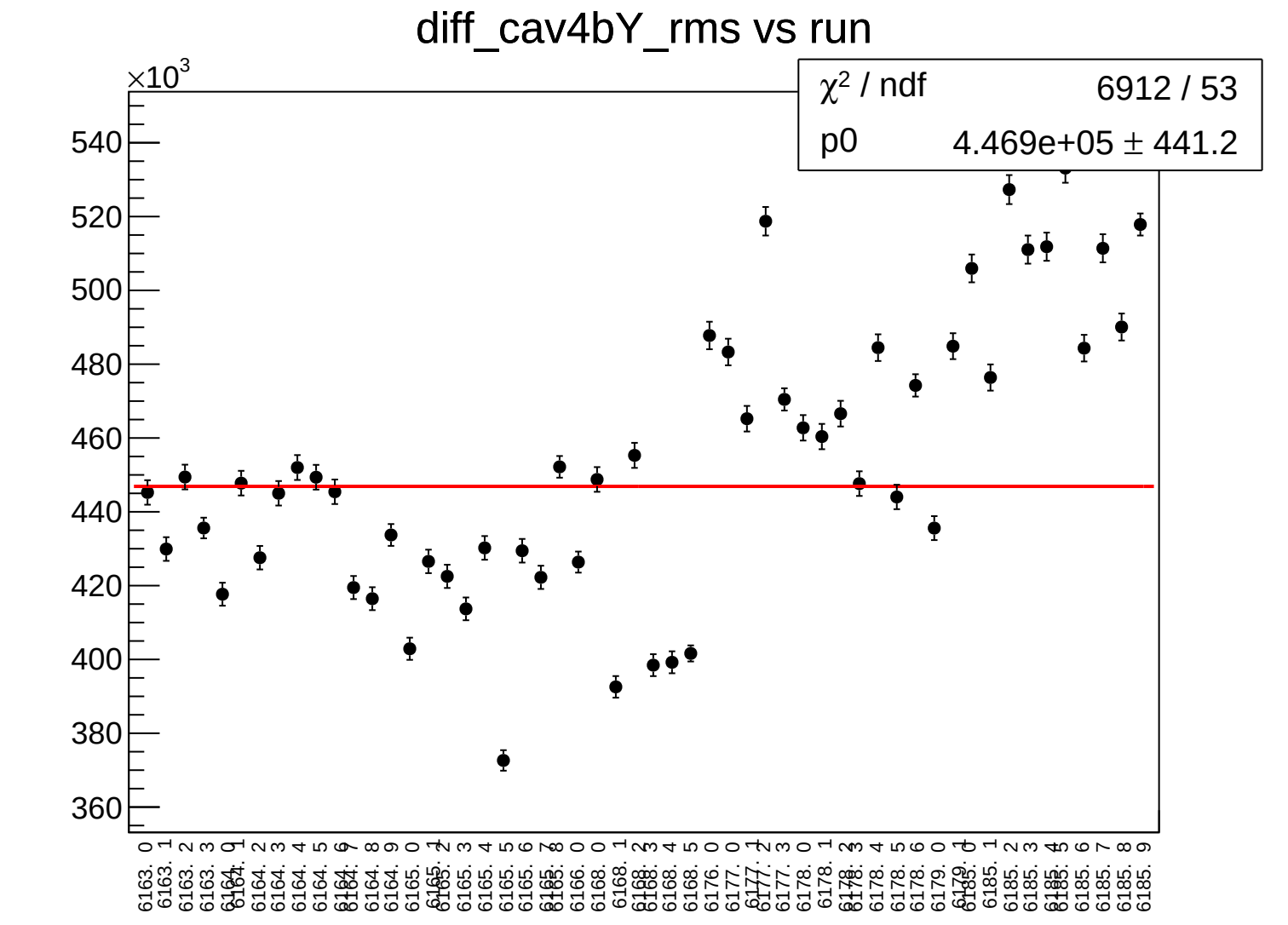

diff_bpm1p03aY_rms vs run
χ² / ndf 1.661e+04 / 53
p0 2832 ± 2.809
3800
3600
3400
3200
3000
2800
2600
2400
2200
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

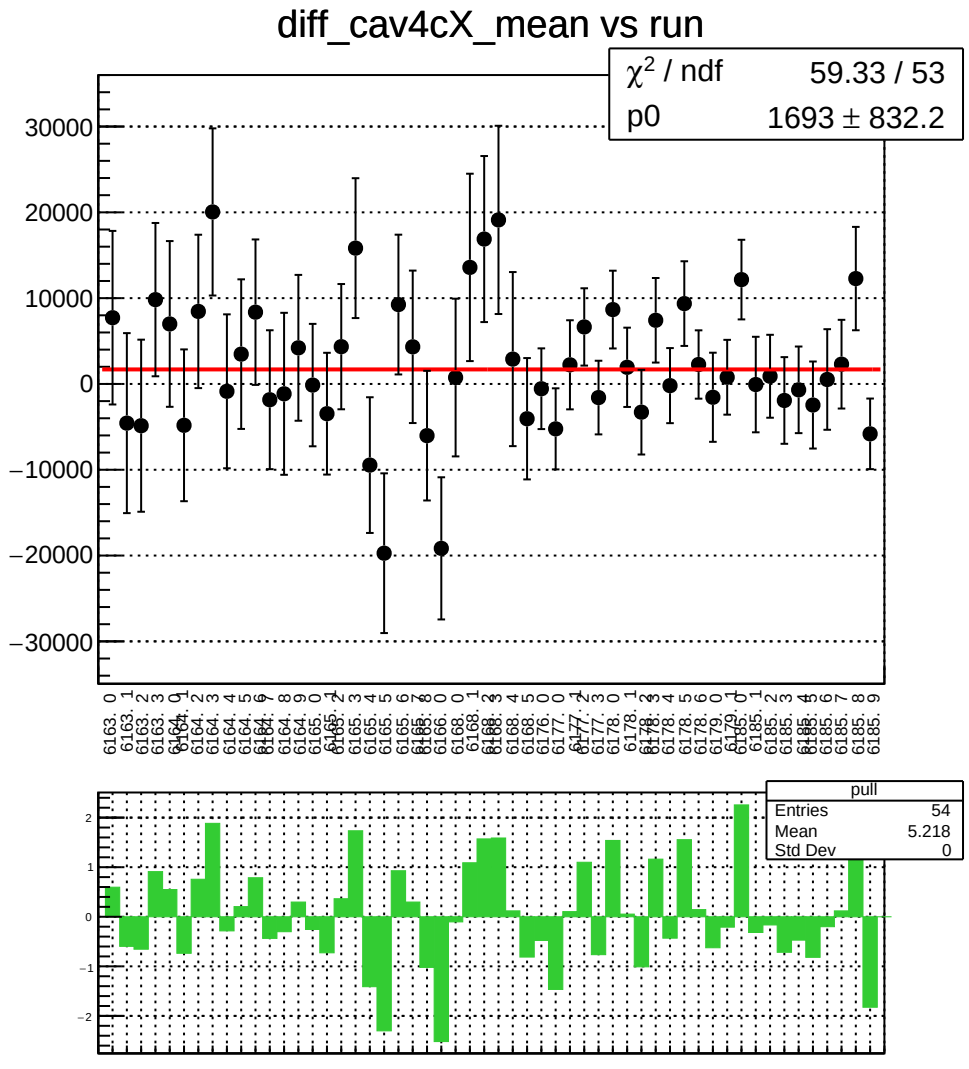

diff_cav4bX_mean vs run
χ² / ndf 58.96 / 53
p0 3601 ± 1777
60000
40000
20000
0
−20000
−40000
−60000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 6
6164. 7
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6165. 7
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9
pull
Entries 54
Mean 7.103
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 54
Mean 0.03727
Std Dev 1.044
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

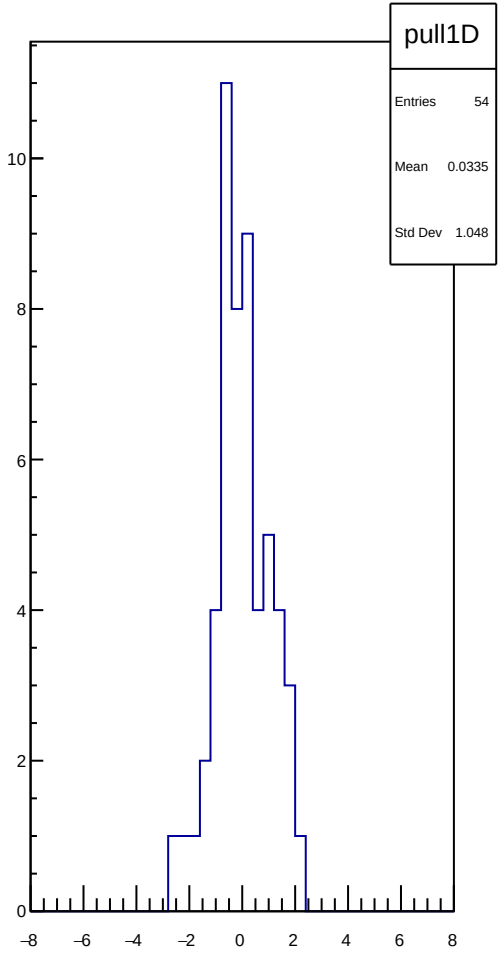

diff_cav4bX_rms vs run
×10^3
χ^2 / ndf 495.3 / 13
p0 9.35e+05 ± 1818
1000
980
960
940
920
900
880
860
840
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 2
6178. 3
6178. 4
6178. 6
6179. 1
6185. 0
6185. 2
6185. 5

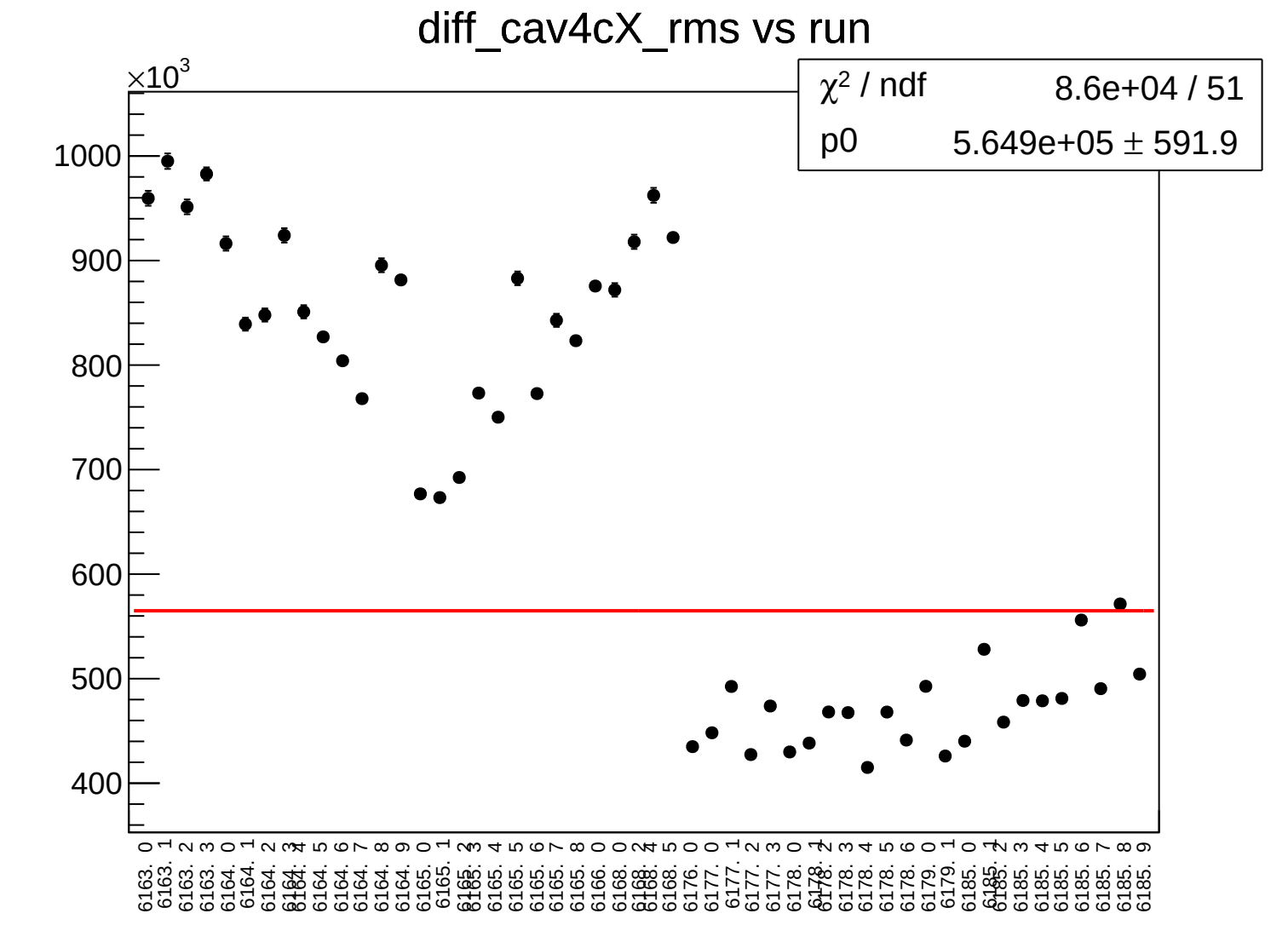

diff_cav4bY_mean vs run
χ² / ndf 58.44 / 53
p0 −61.89 ± 623.9
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 54
Mean 97.82
Std Dev 0
2
1
0
−1
−2

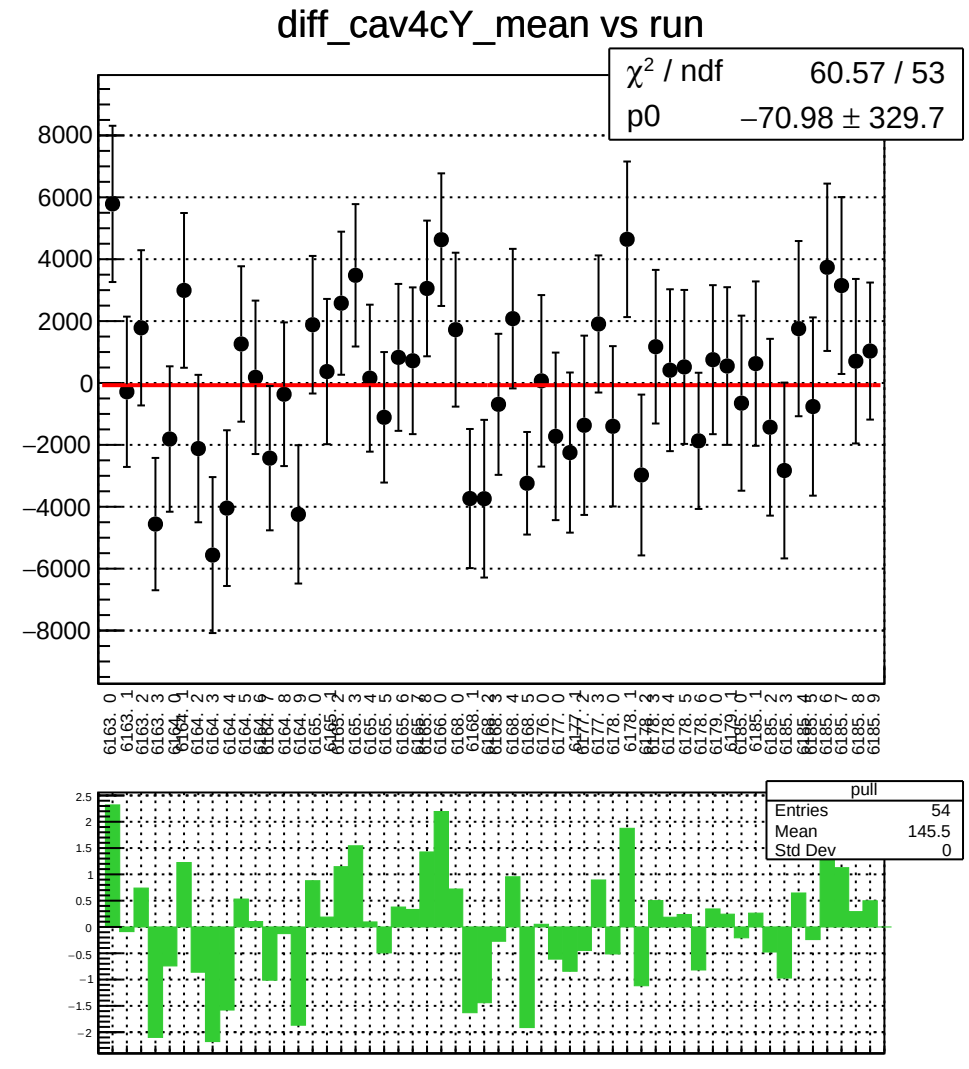

pull1D
Entries 54
Mean 0.02374
Std Dev 1.04
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

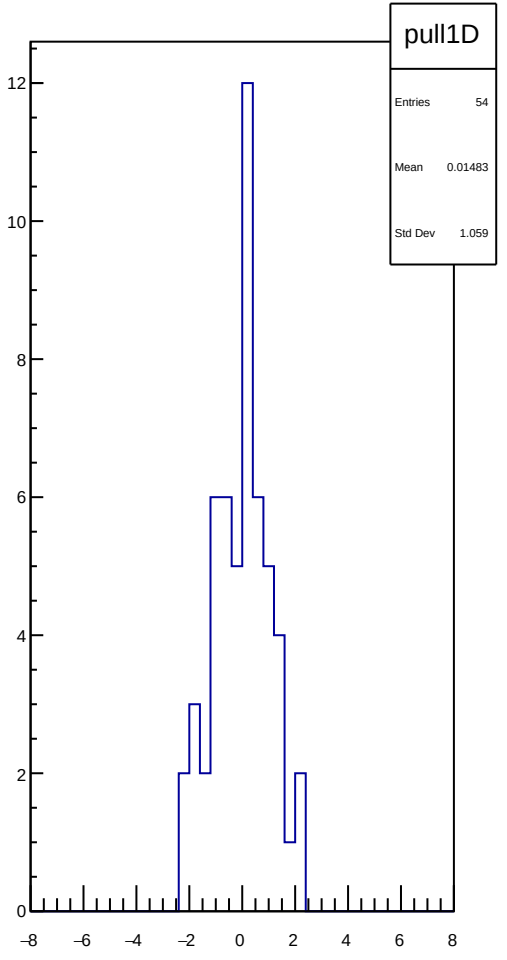

diff_cav4bY_rms vs run
×10^3
χ² / ndf 6912 / 53
p0 4.469e+05 ± 441.2
540
520
500
480
460
440
420
400
380
360
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

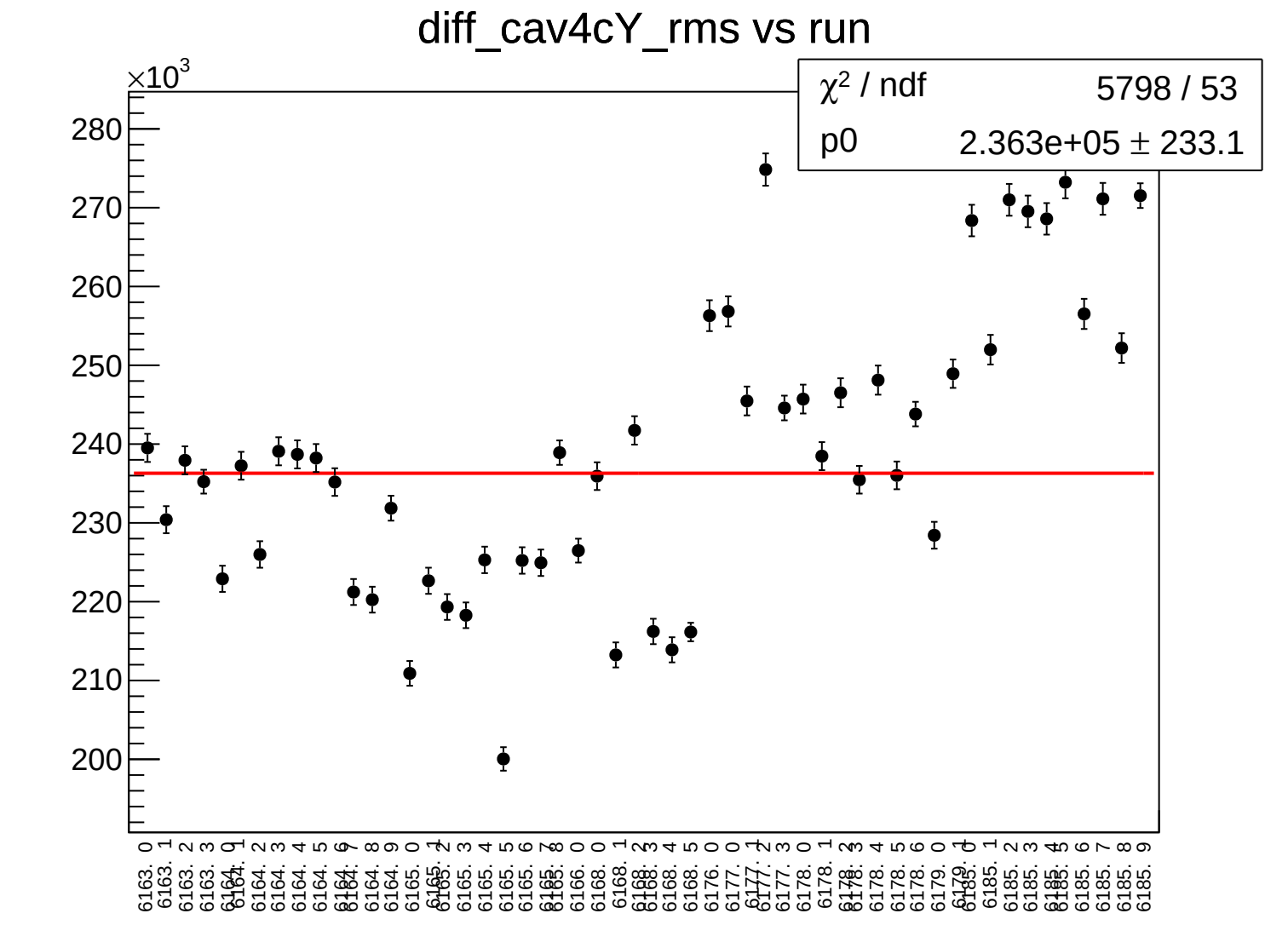

diff_cav4cX_mean vs run
χ² / ndf 59.33 / 53
p0 1693 ± 832.2
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 54
Mean 5.218
Std Dev 0
2
1
0
−1
−2

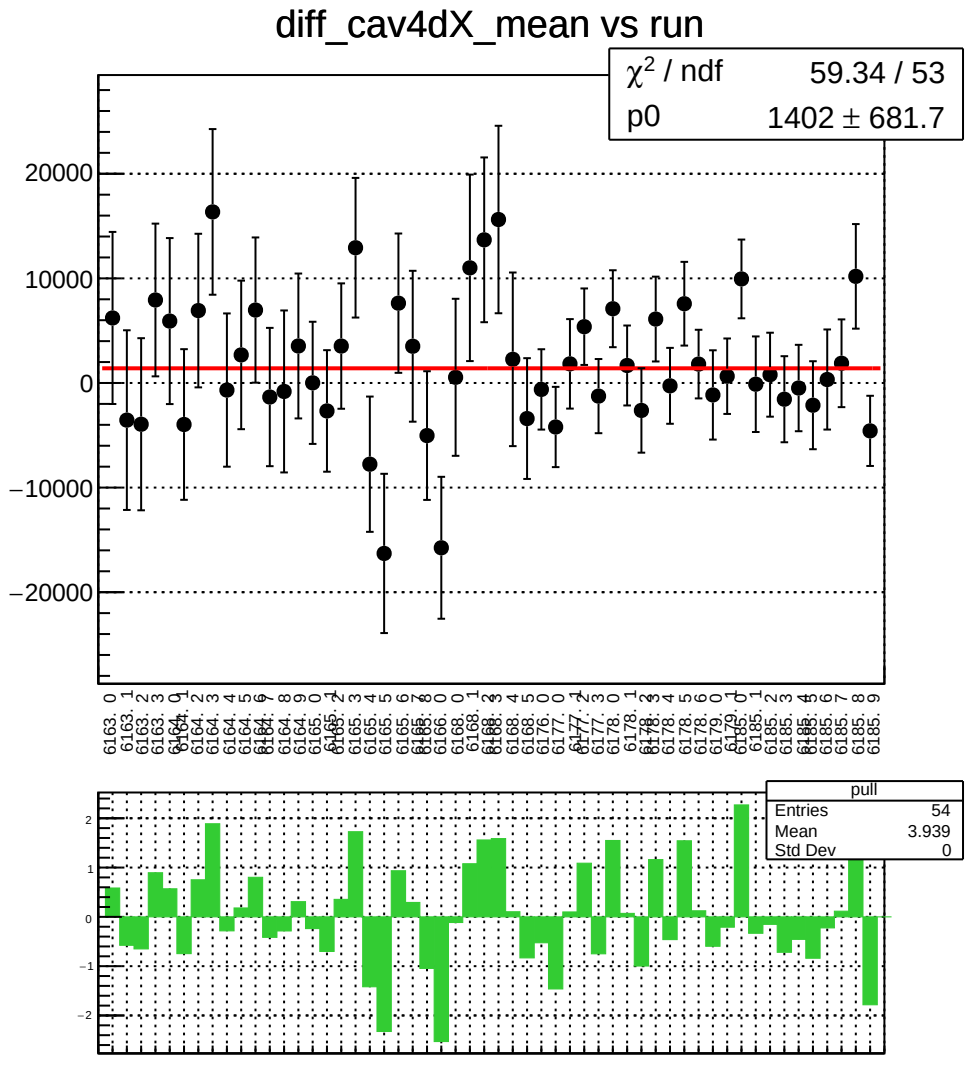

pull1D
Entries 54
Mean 0.0335
Std Dev 1.048
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

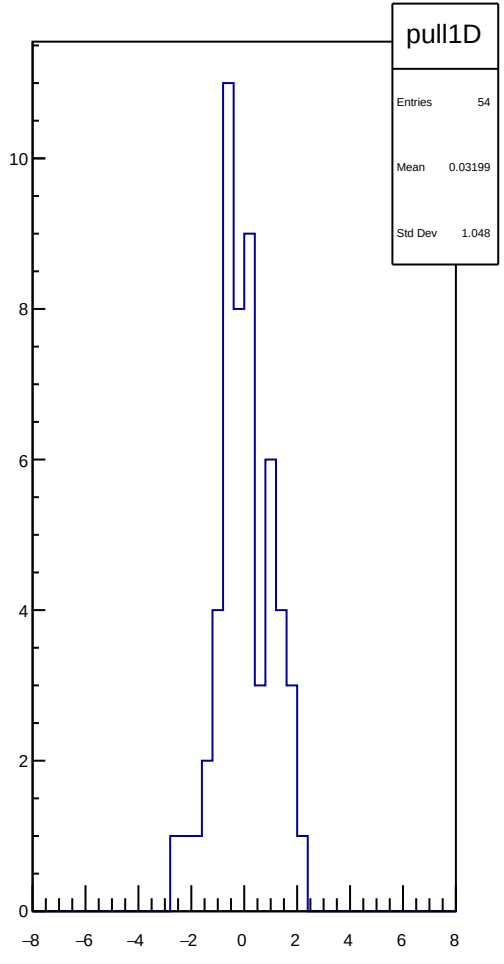

diff_cav4cX_rms vs run
×10^3
χ^2 / ndf 8.6e+04 / 51
p0 5.649e+05 ± 591.9
1000
900
800
700
600
500
400
6163. 0
6163. 1
6163. 2
6163. 3
6164. 0
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 6
6164. 7
6164. 8
6164. 9
6165. 0
6165. 1
6165. 2
6165. 3
6165. 4
6165. 5
6165. 6
6165. 7
6165. 8
6166. 0
6168. 0
6168. 2
6168. 4
6168. 5
6176. 0
6177. 0
6177. 1
6177. 2
6177. 3
6178. 0
6178. 1
6178. 2
6178. 3
6178. 4
6178. 5
6178. 6
6179. 0
6179. 1
6185. 0
6185. 1
6185. 2
6185. 3
6185. 4
6185. 5
6185. 6
6185. 7
6185. 8
6185. 9

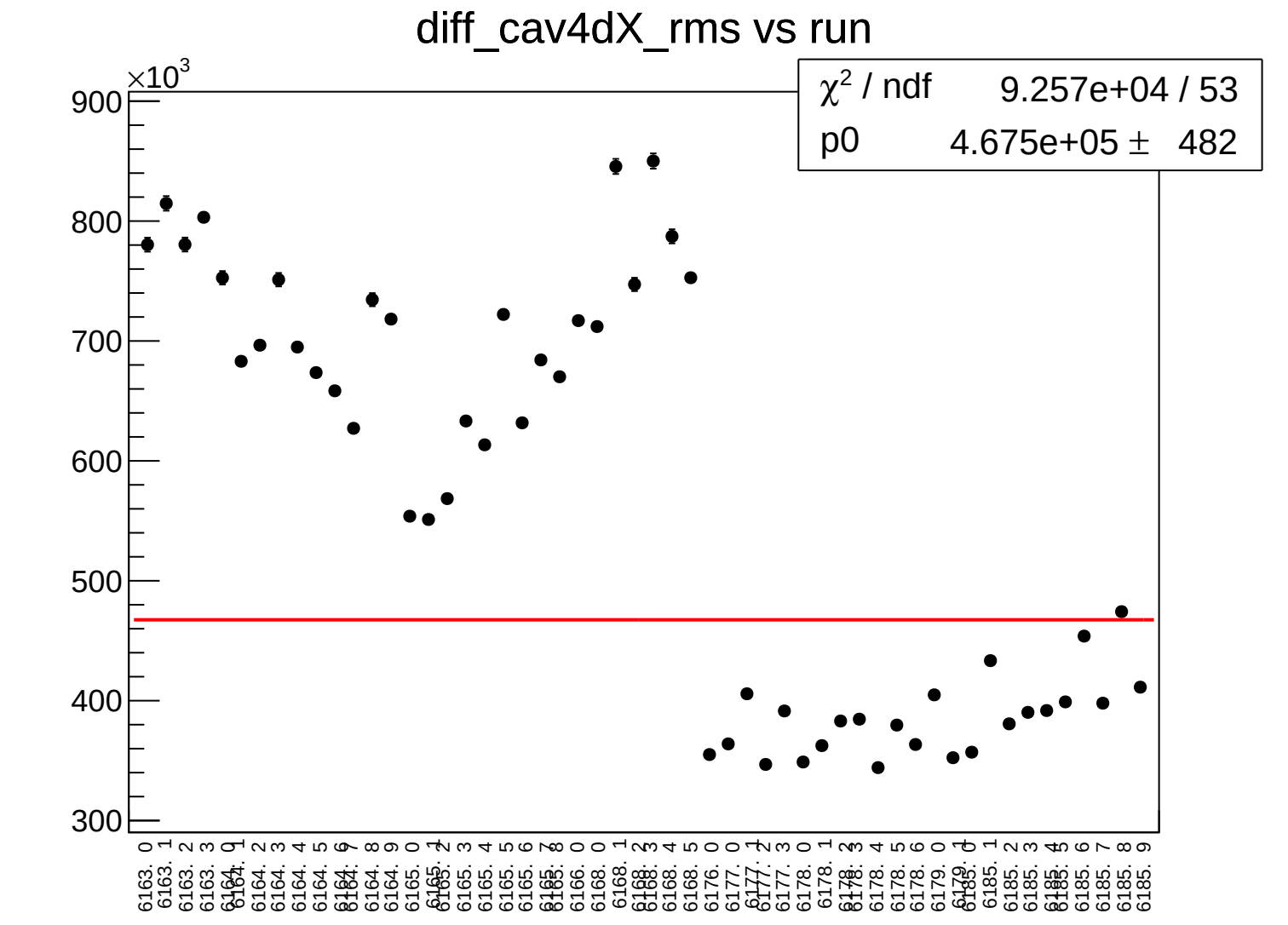

diff_cav4cY_mean vs run
χ² / ndf 60.57 / 53
p0 −70.98 ± 329.7
pull
Entries 54
Mean 145.5
Std Dev 0

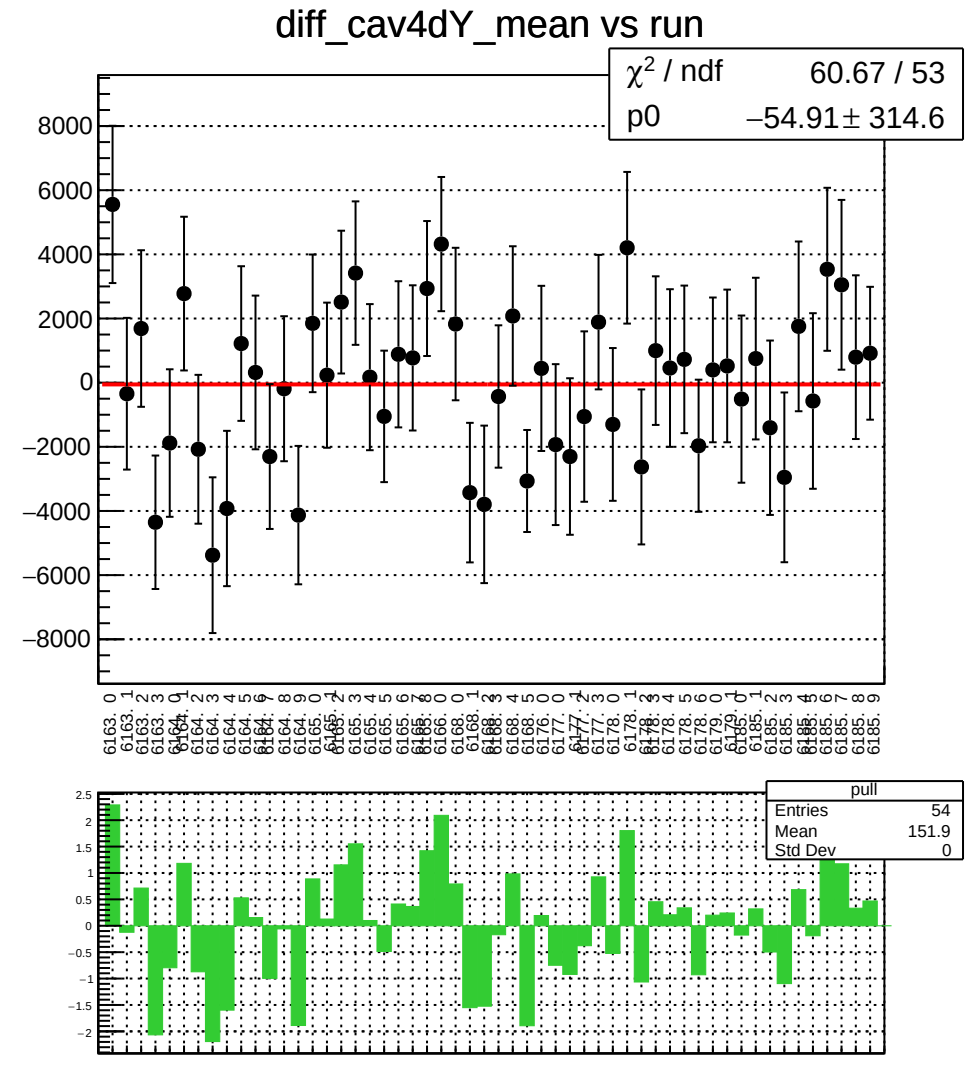

pull1D
Entries 54
Mean 0.01483
Std Dev 1.059

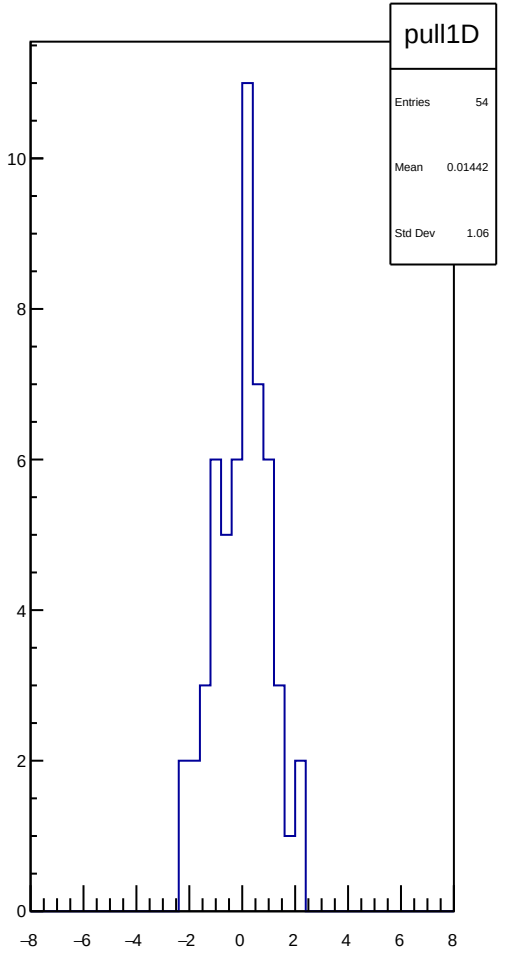

diff_cav4cY_rms vs run
×10^3
280
270
260
250
240
230
220
210
200
χ² / ndf 5798 / 53
p0 2.363e+05 ± 233.1
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

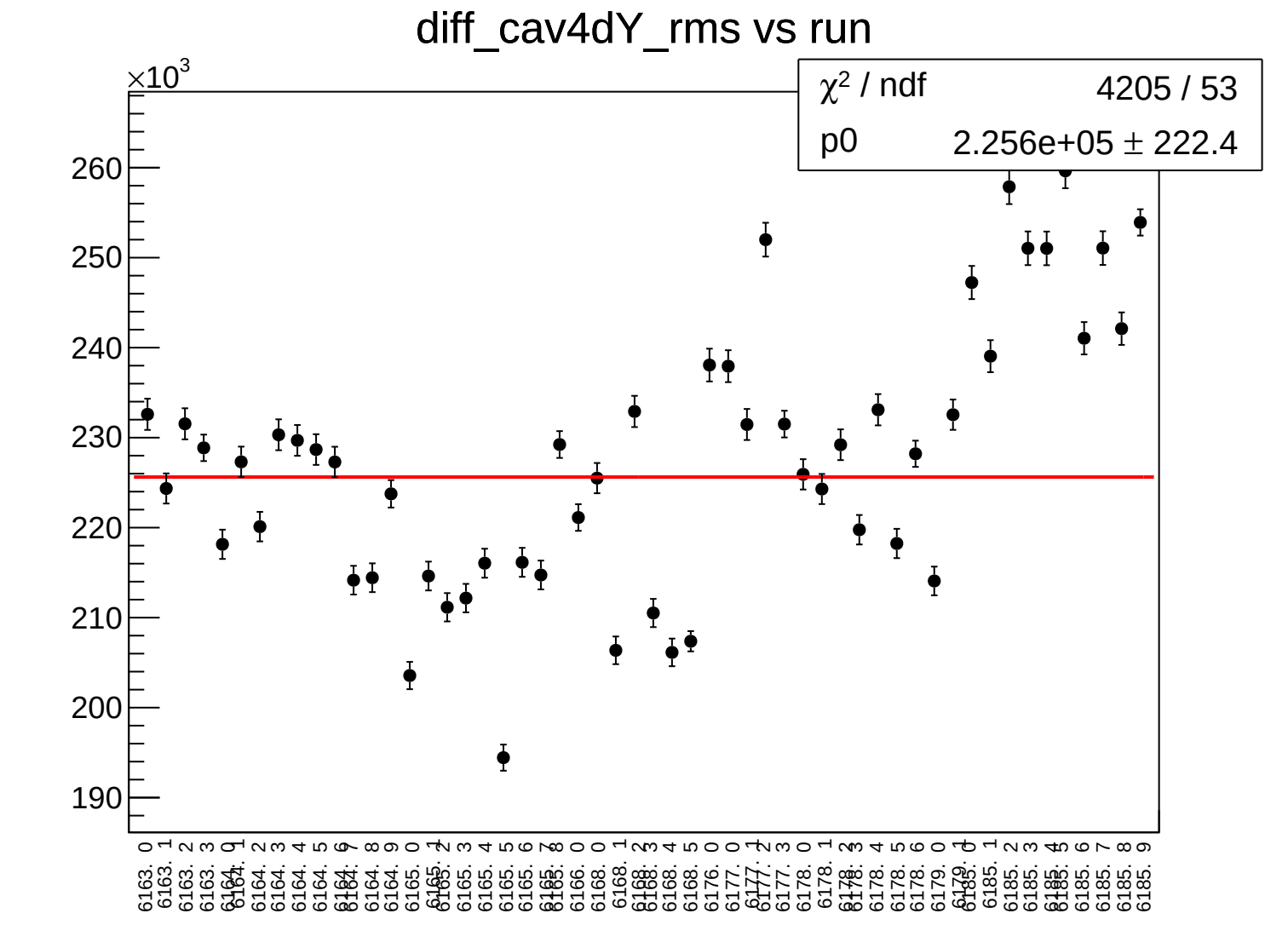

diff_cav4dX_mean vs run
χ² / ndf 59.34 / 53
p0 1402 ± 681.7
20000
10000
0
−10000
−20000
pull
Entries 54
Mean 3.939
Std Dev 0
2
1
0
−1
−2

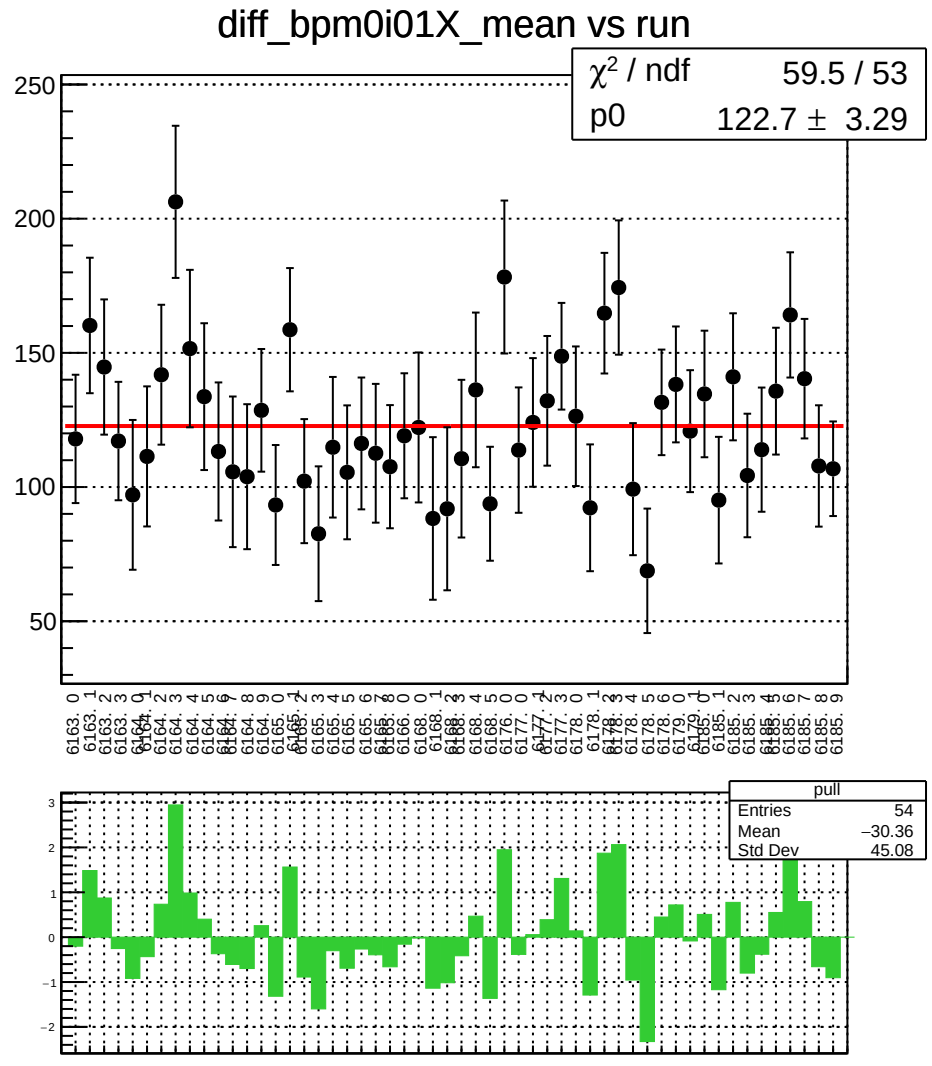

pull1D
Entries 54
Mean 0.03199
Std Dev 1.048
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

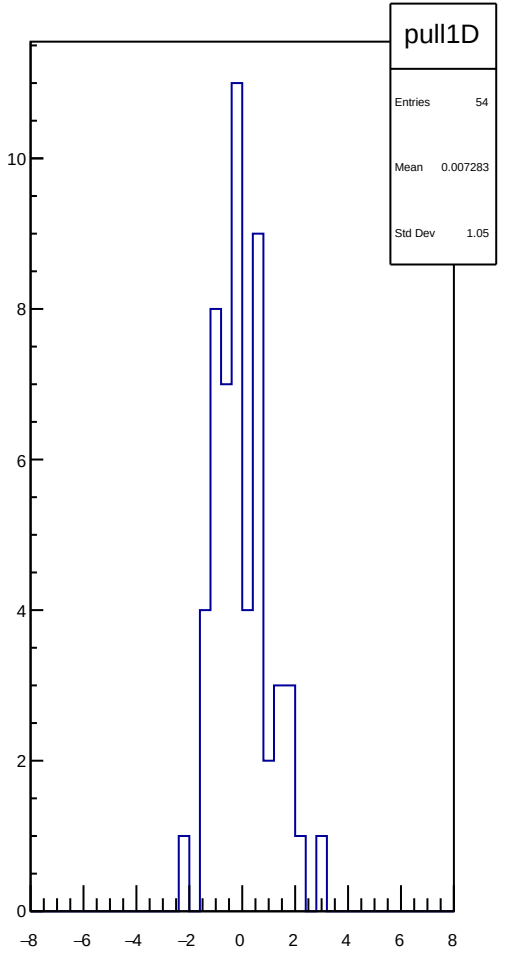

diff_cav4dX_rms vs run
×10^3
900
800
700
600
500
400
300
χ² / ndf 9.257e+04 / 53
p0 4.675e+05 ± 482
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

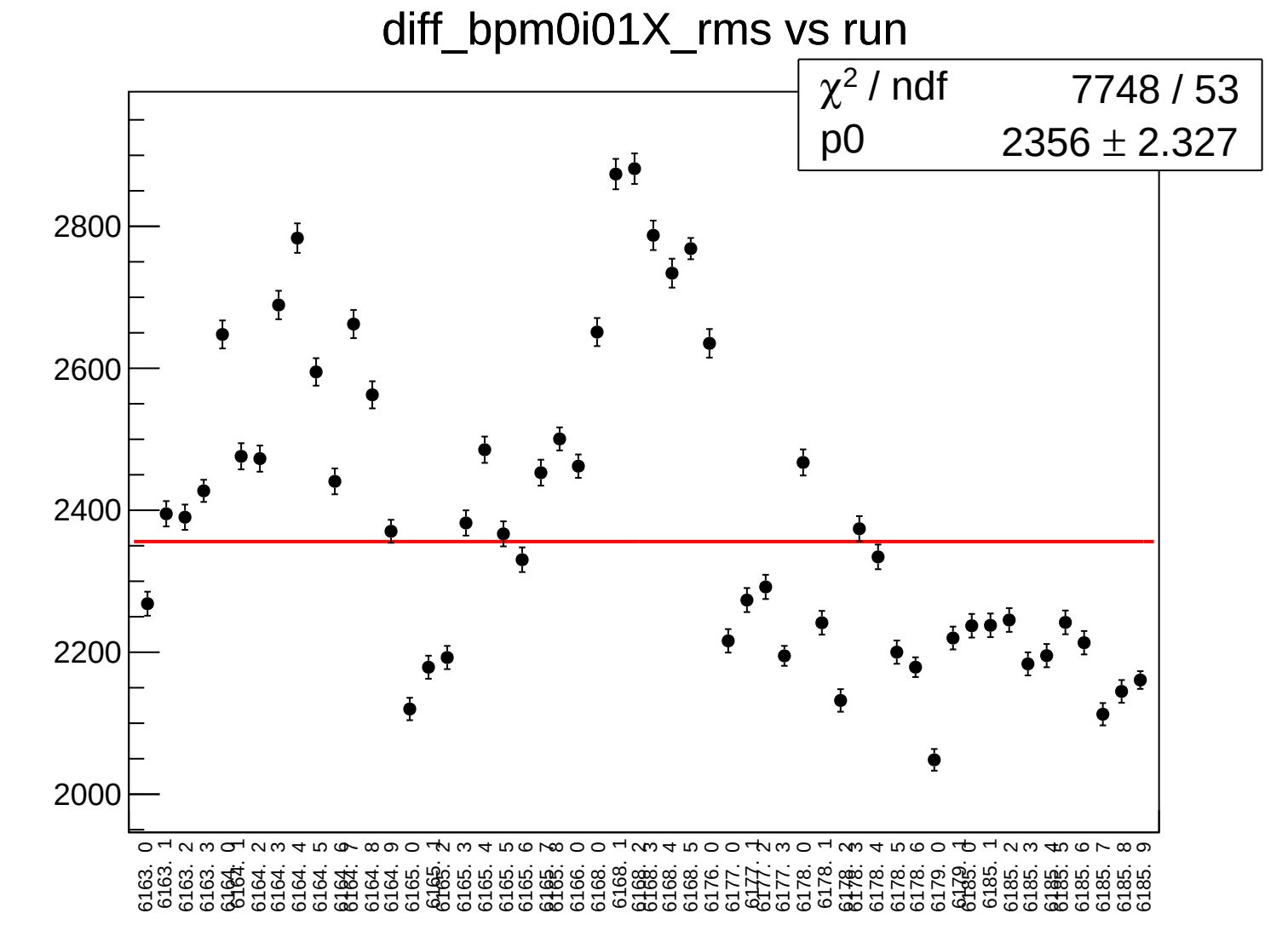

diff_cav4dY_mean vs run
χ² / ndf 60.67 / 53
p0 −54.91 ± 314.6
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
pull
Entries 54
Mean 151.9
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

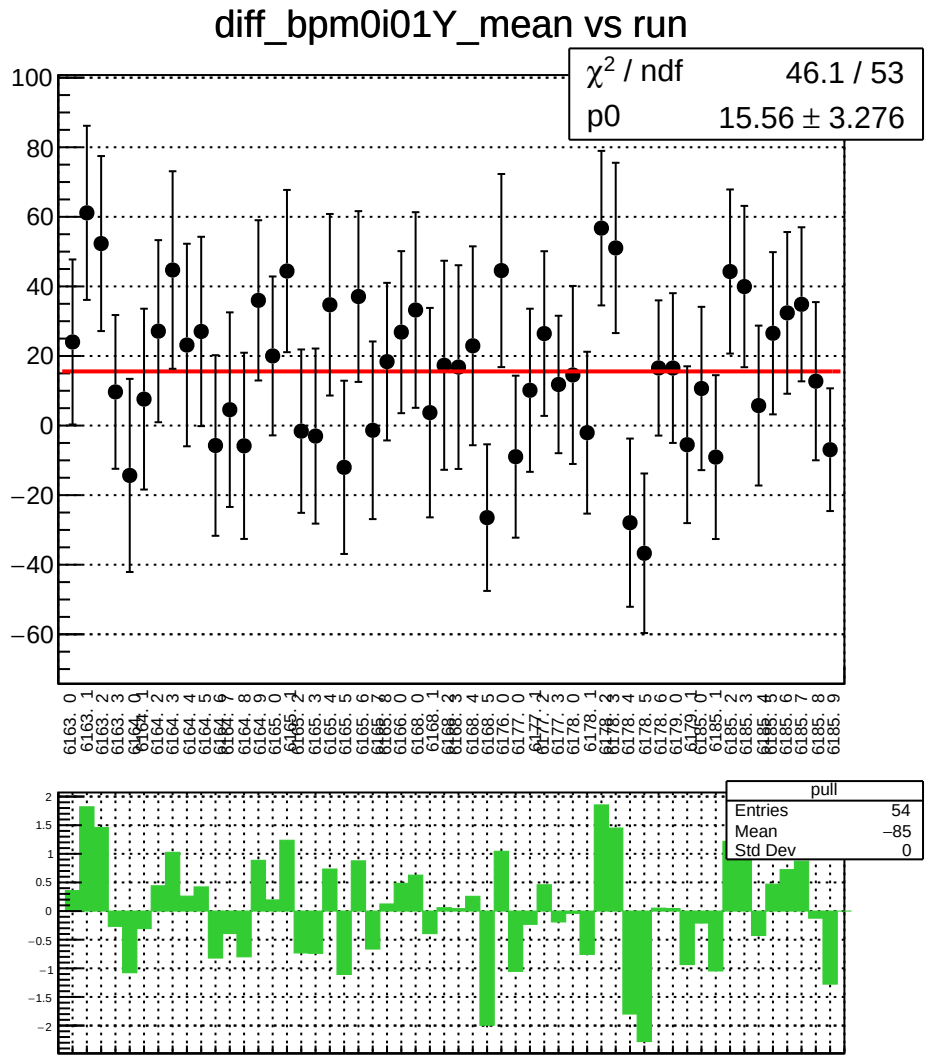

pull1D
Entries 54
Mean 0.01442
Std Dev 1.06
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

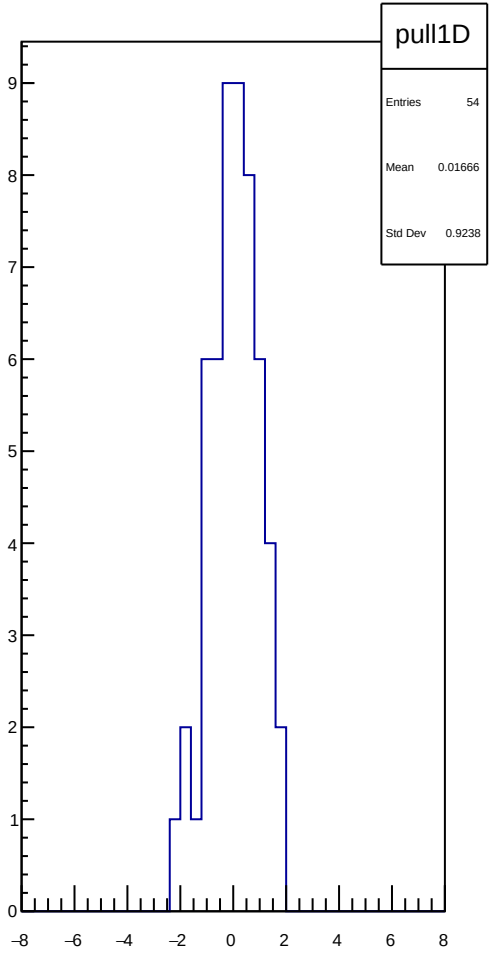

diff_cav4dY_rms vs run
×10^3
χ² / ndf 4205 / 53
p0 2.256e+05 ± 222.4
260
250
240
230
220
210
200
190
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

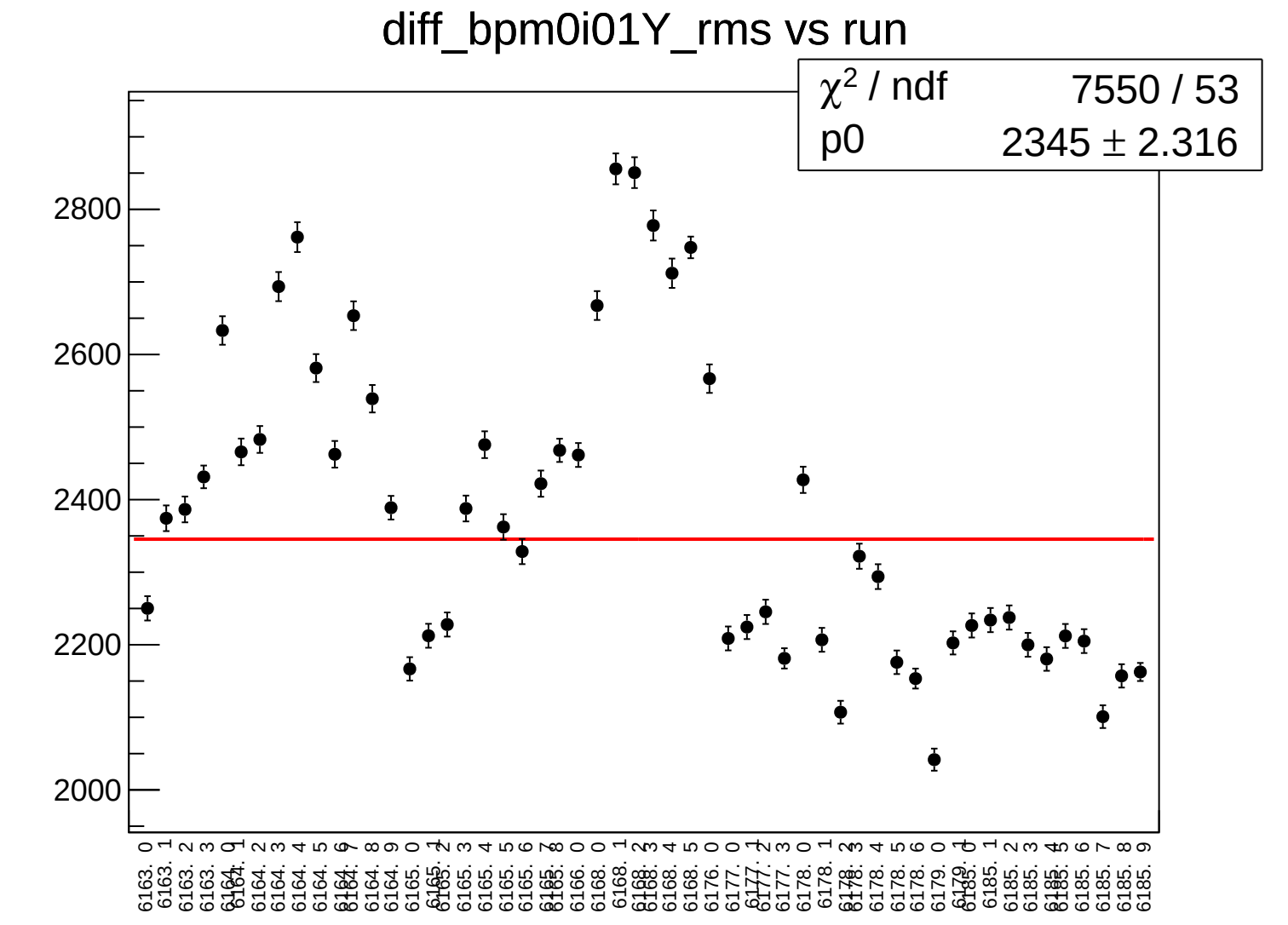

diff_bpm0i01X_mean vs run
χ² / ndf 59.5 / 53
p0 122.7 ± 3.29
250
200
150
100
50
pull
Entries 54
Mean −30.36
Std Dev 45.08
3
2
1
0
−1
−2

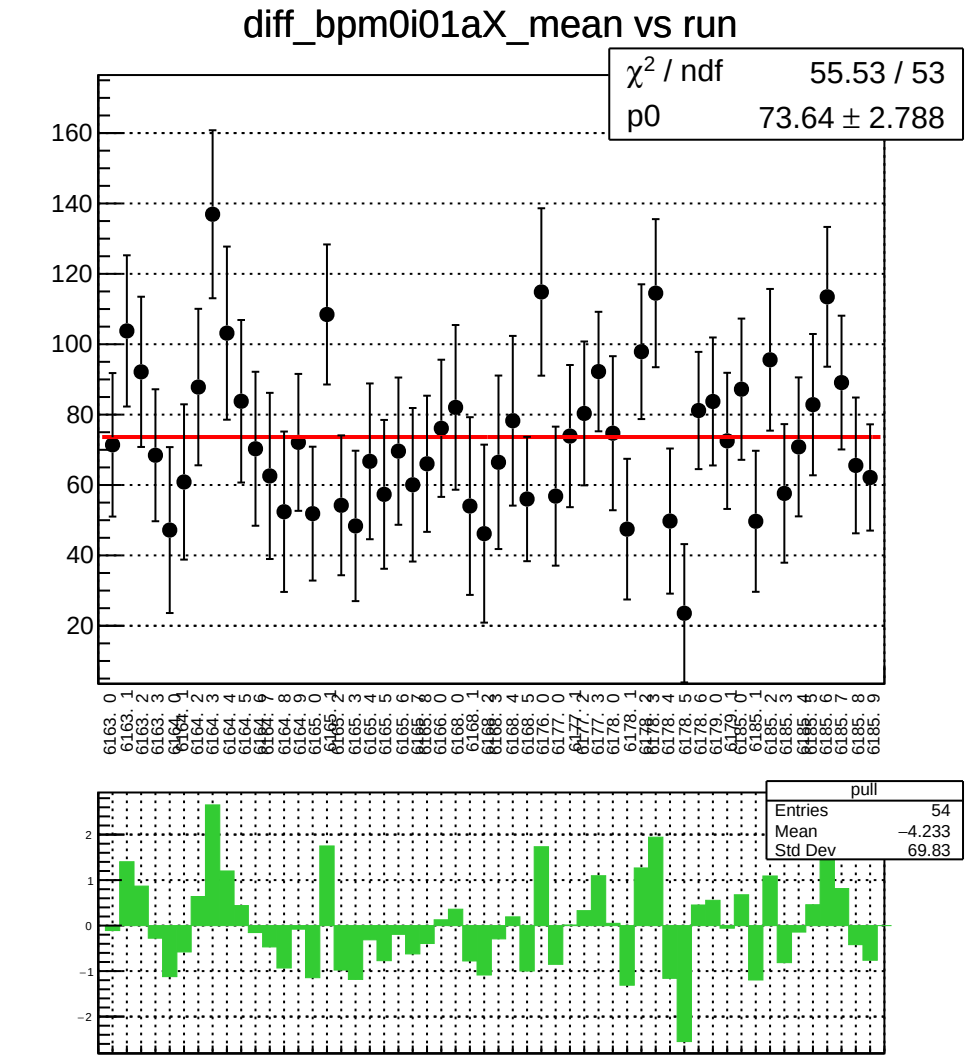

pull1D
Entries 54
Mean 0.007283
Std Dev 1.05
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

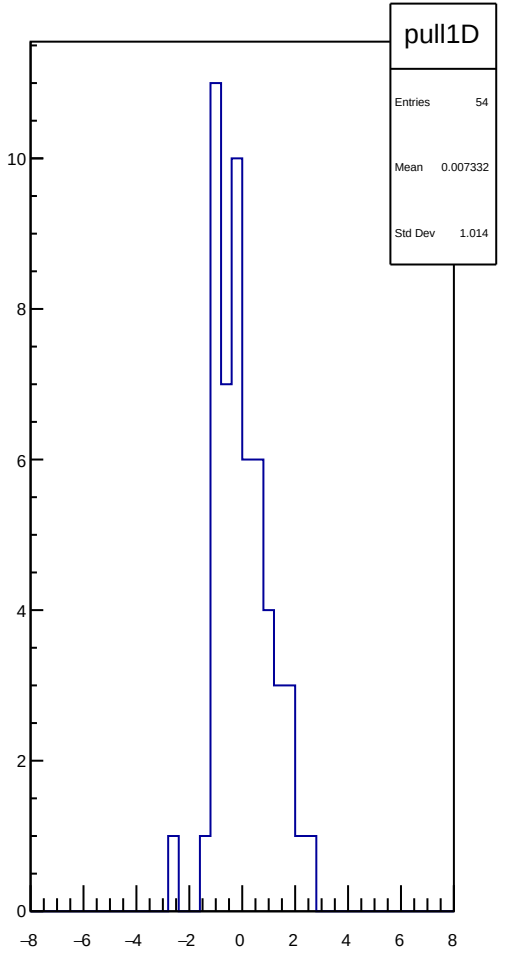

diff_bpm0i01X_rms vs run
χ² / ndf 7748 / 53
p0 2356 ± 2.327
2800
2600
2400
2200
2000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

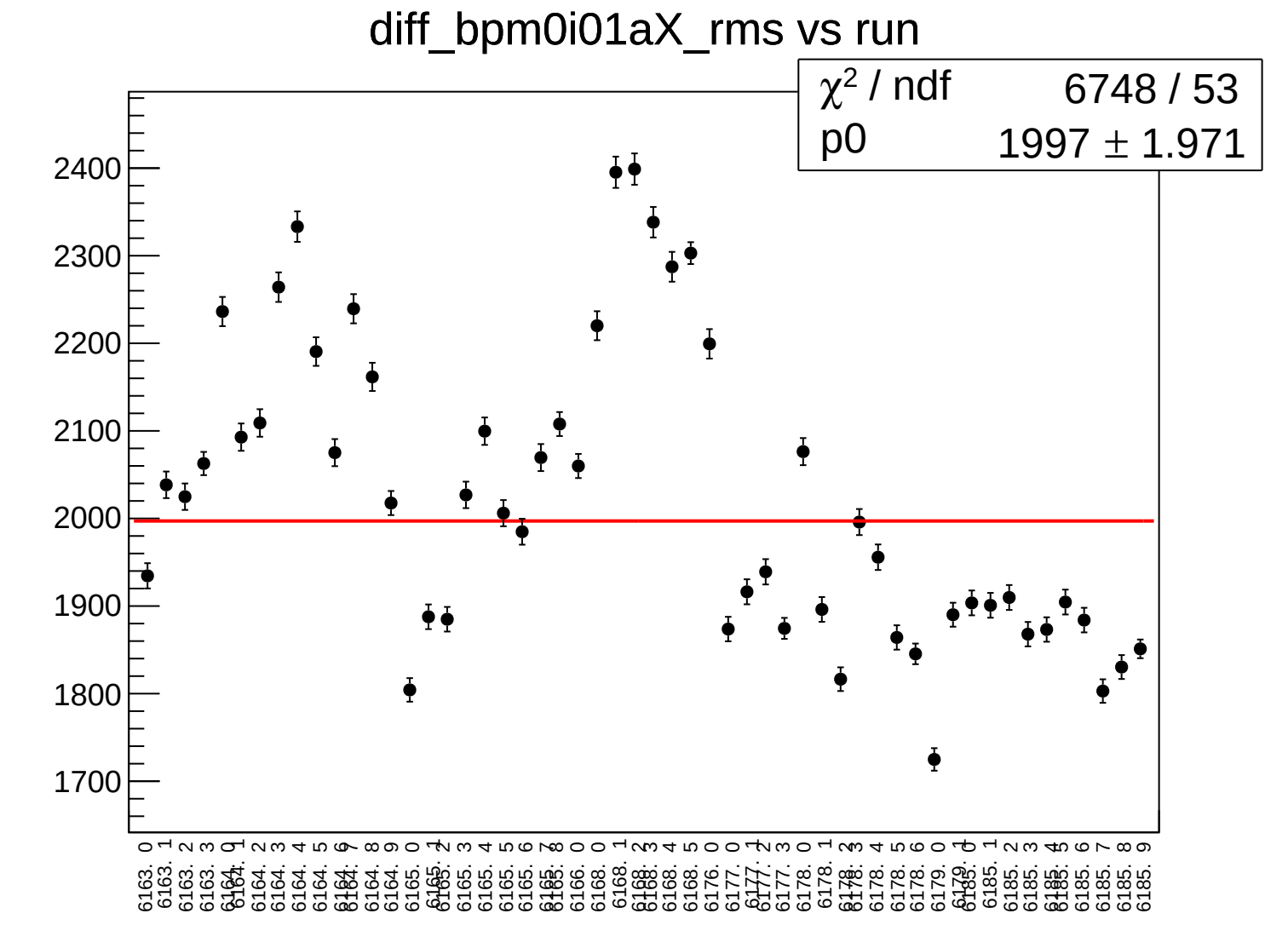

diff_bpm0i01Y_mean vs run
χ² / ndf 46.1 / 53
p0 15.56 ± 3.276
pull
Entries 54
Mean −85
Std Dev 0

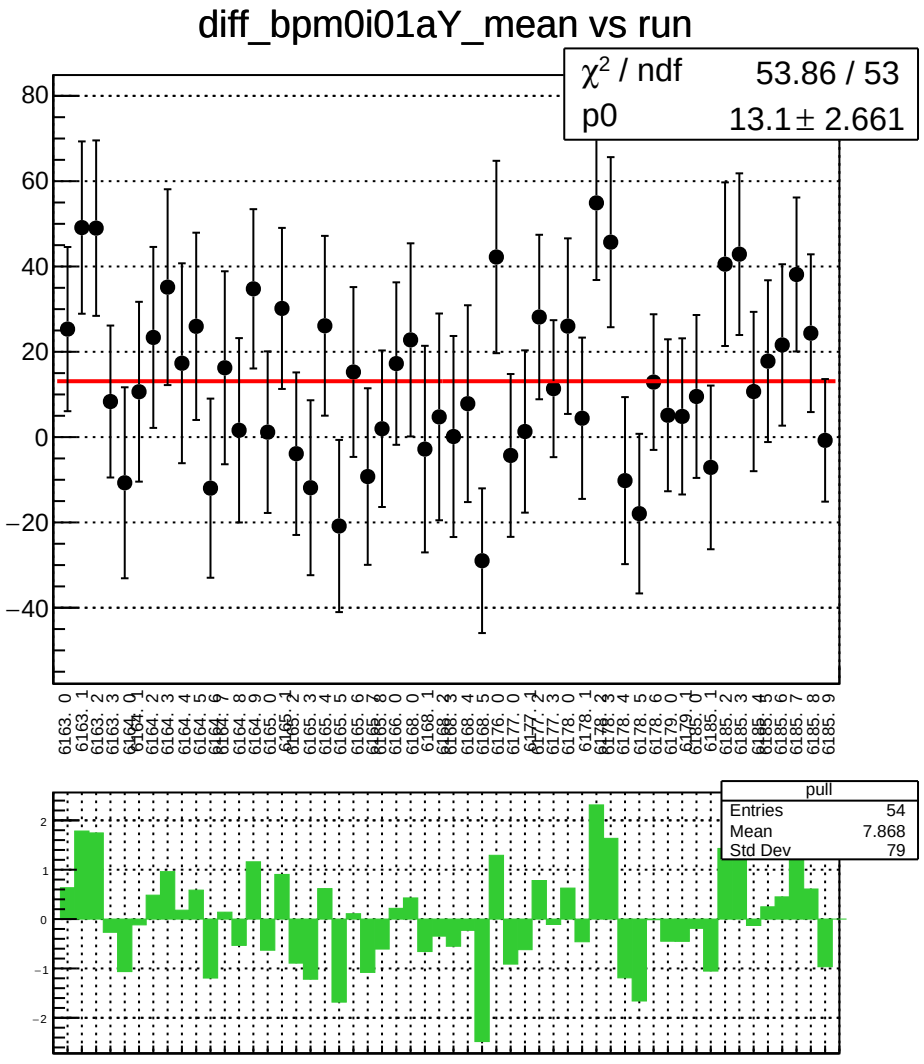

pull1D
Entries 54
Mean 0.01666
Std Dev 0.9238

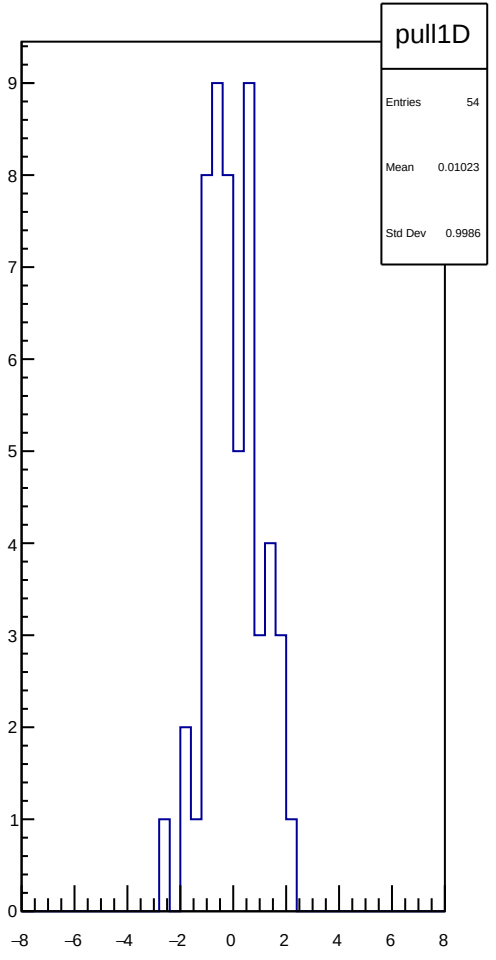

diff_bpm0i01Y_rms vs run
χ² / ndf 7550 / 53
p0 2345 ± 2.316
2800
2600
2400
2200
2000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

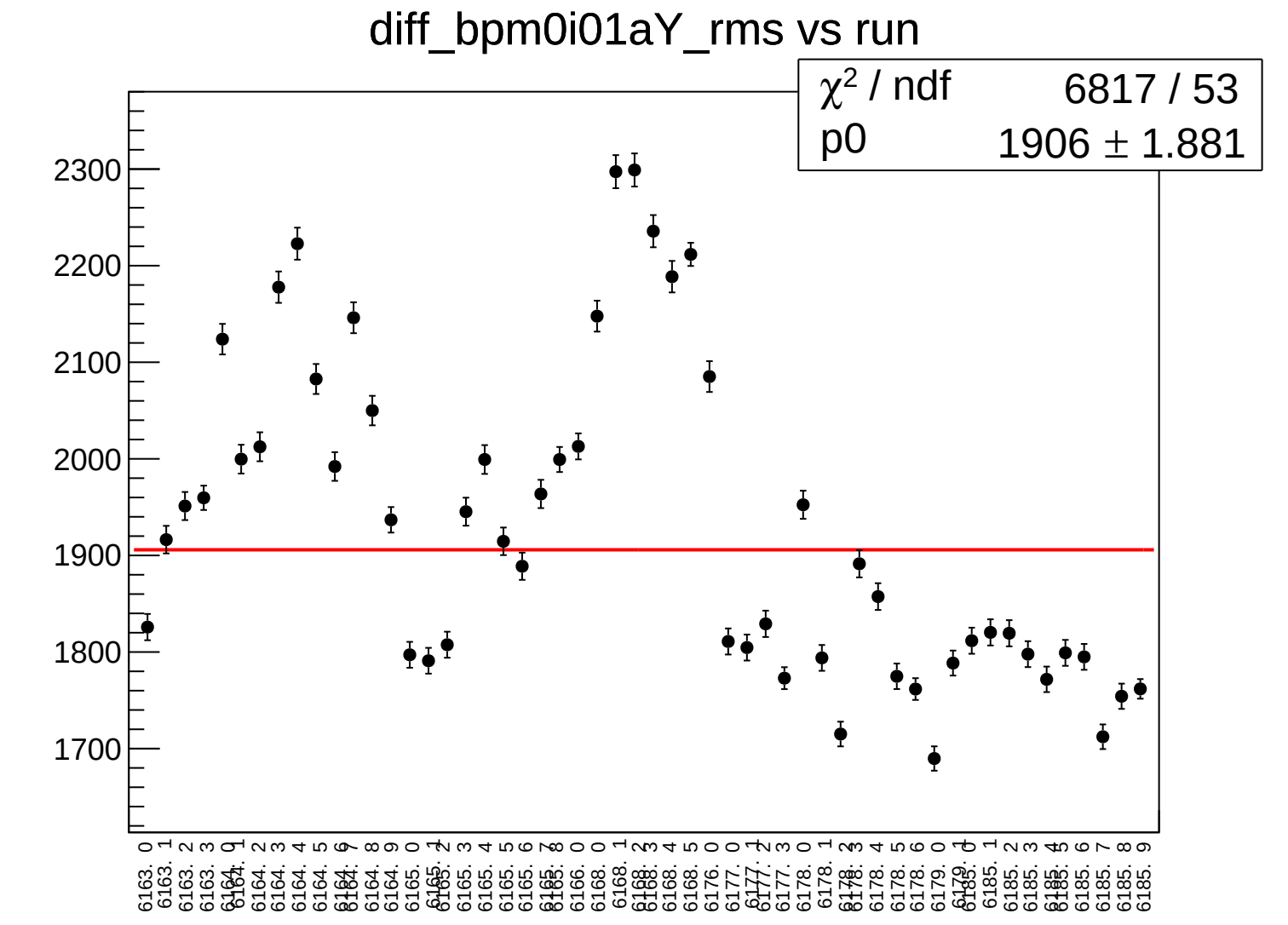

diff_bpm0i01aX_mean vs run
χ² / ndf 55.53 / 53
p0 73.64 ± 2.788
pull
Entries 54
Mean −4.233
Std Dev 69.83

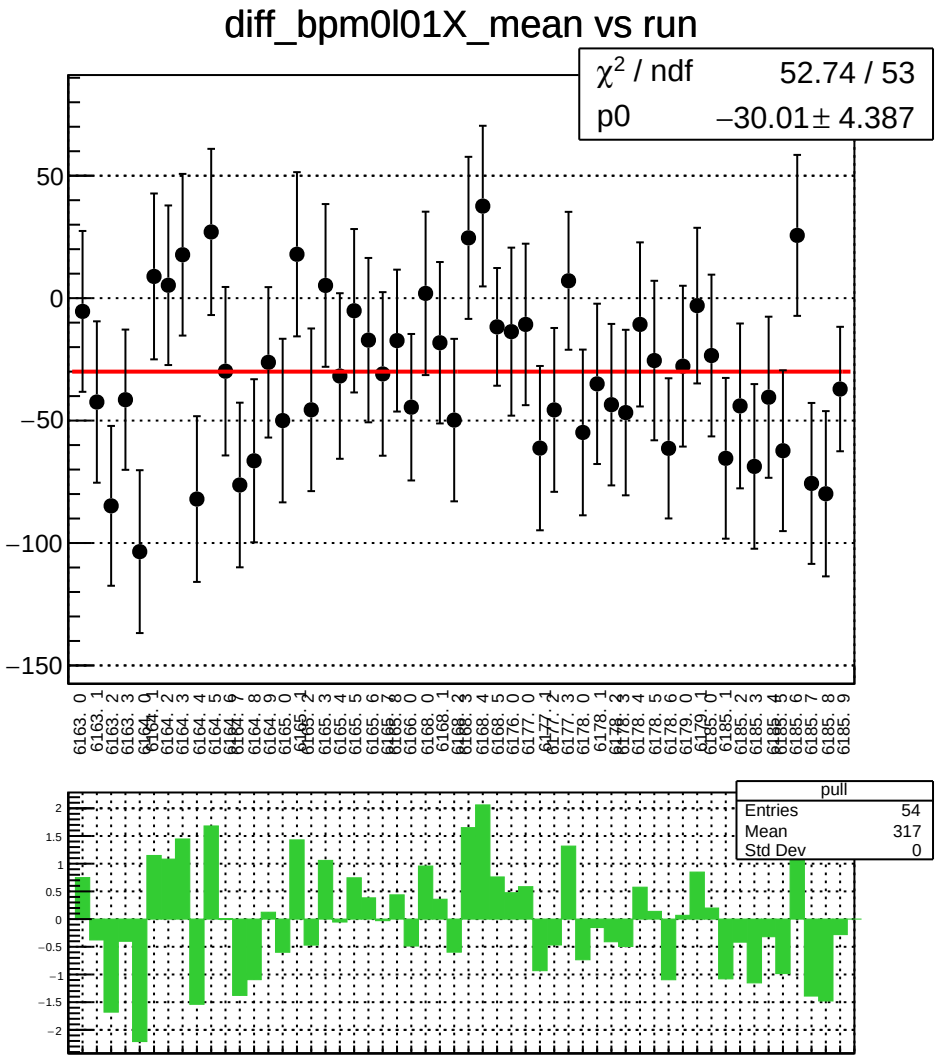

pull1D
Entries 54
Mean 0.007332
Std Dev 1.014

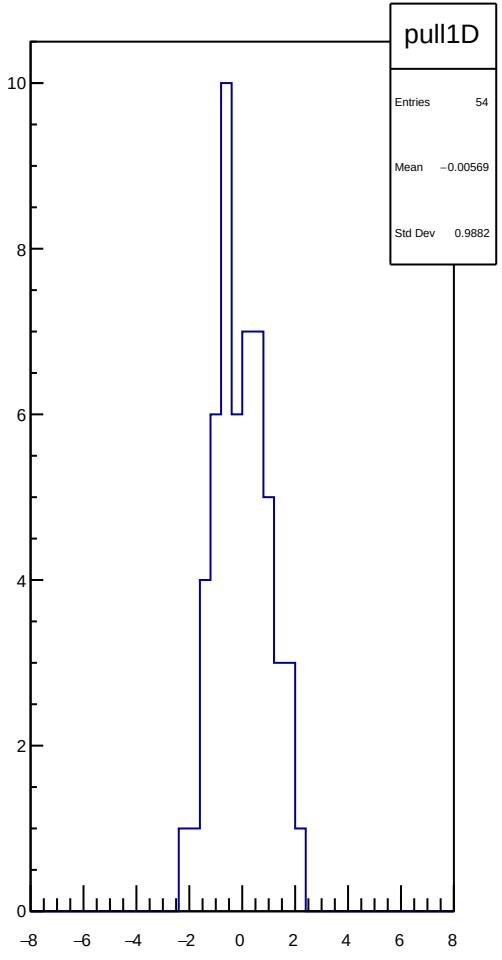

diff_bpm0i01aX_rms vs run
χ² / ndf 6748 / 53
p0 1997 ± 1.971
2400
2300
2200
2100
2000
1900
1800
1700
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

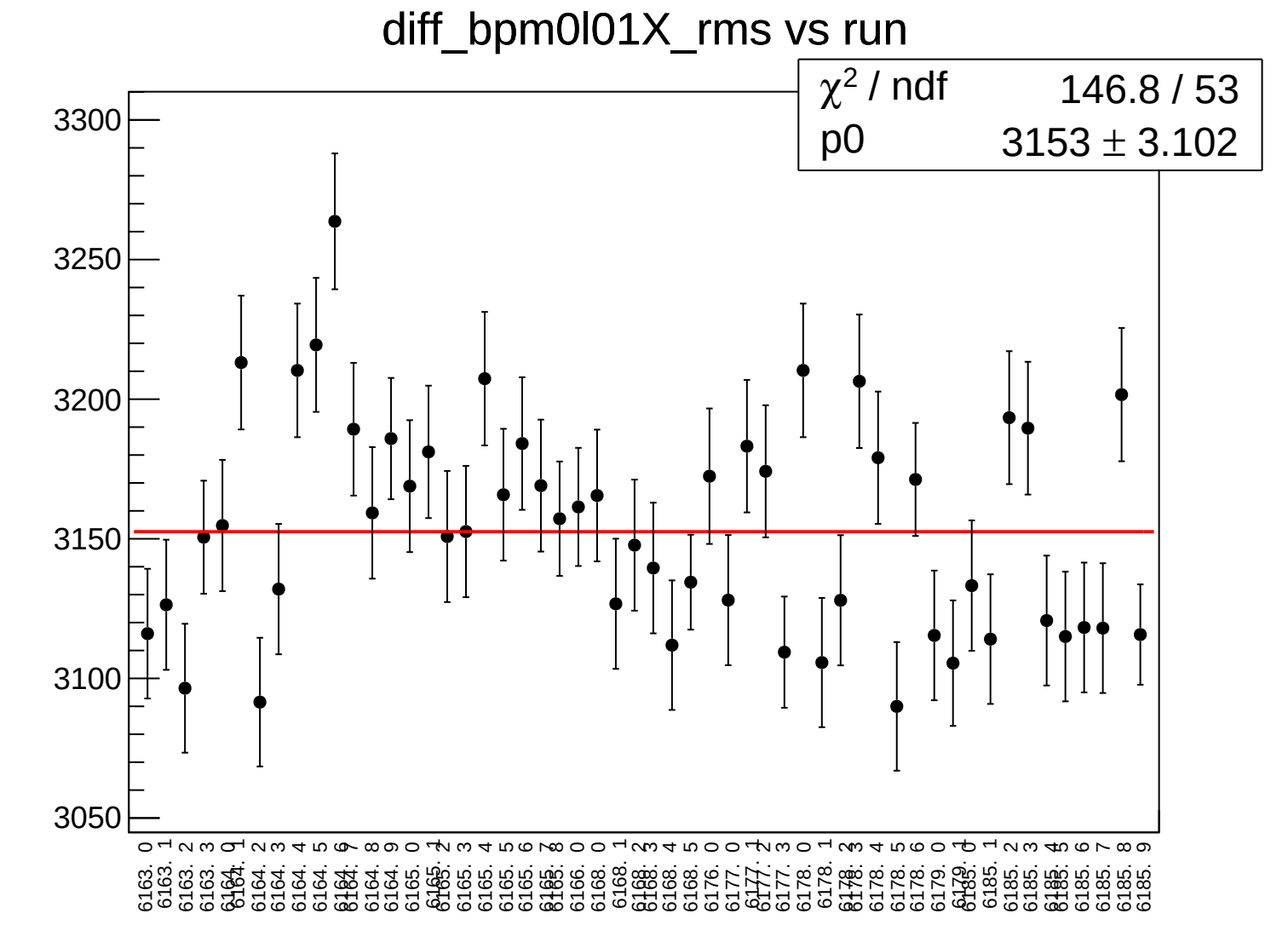

diff_bpm0i01aY_mean vs run
χ² / ndf 53.86 / 53
p0 13.1 ± 2.661
pull
Entries 54
Mean 7.868
Std Dev 79

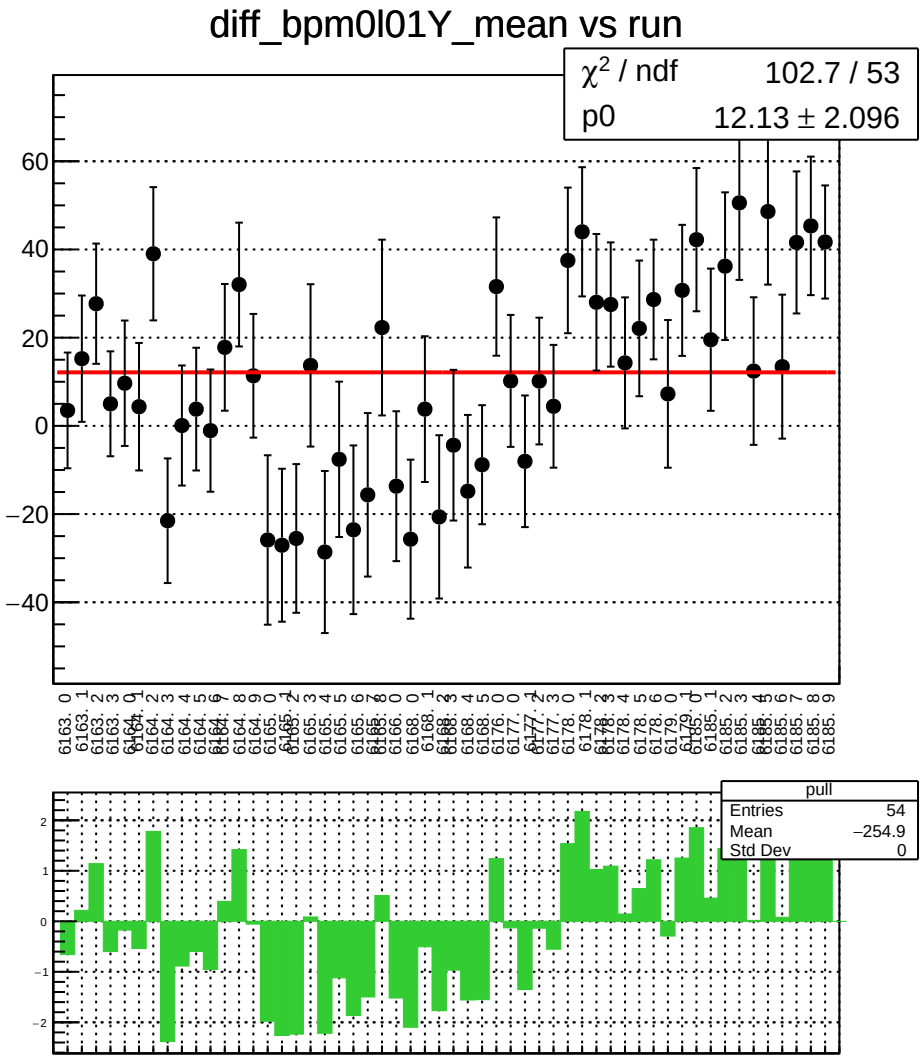

pull1D
Entries 54
Mean 0.01023
Std Dev 0.9986

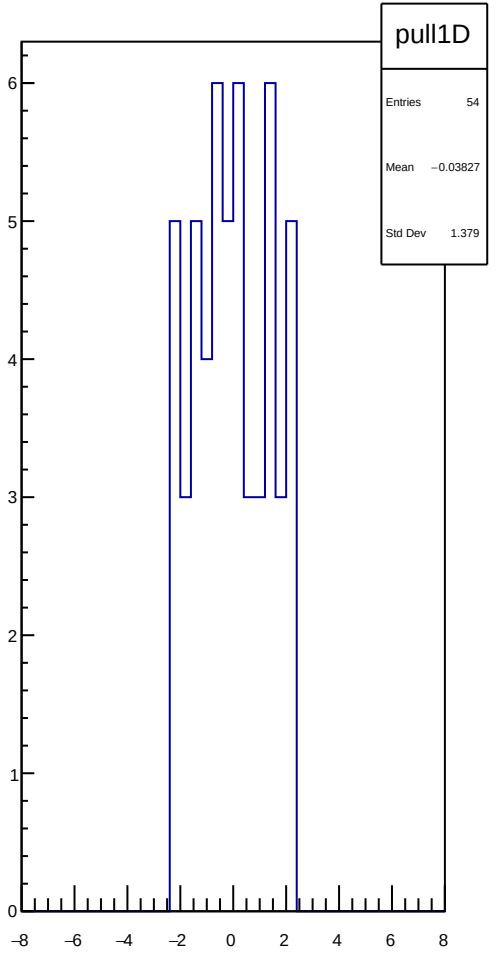

diff_bpm0i01aY_rms vs run
χ² / ndf 6817 / 53
p0 1906 ± 1.881
2300
2200
2100
2000
1900
1800
1700
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

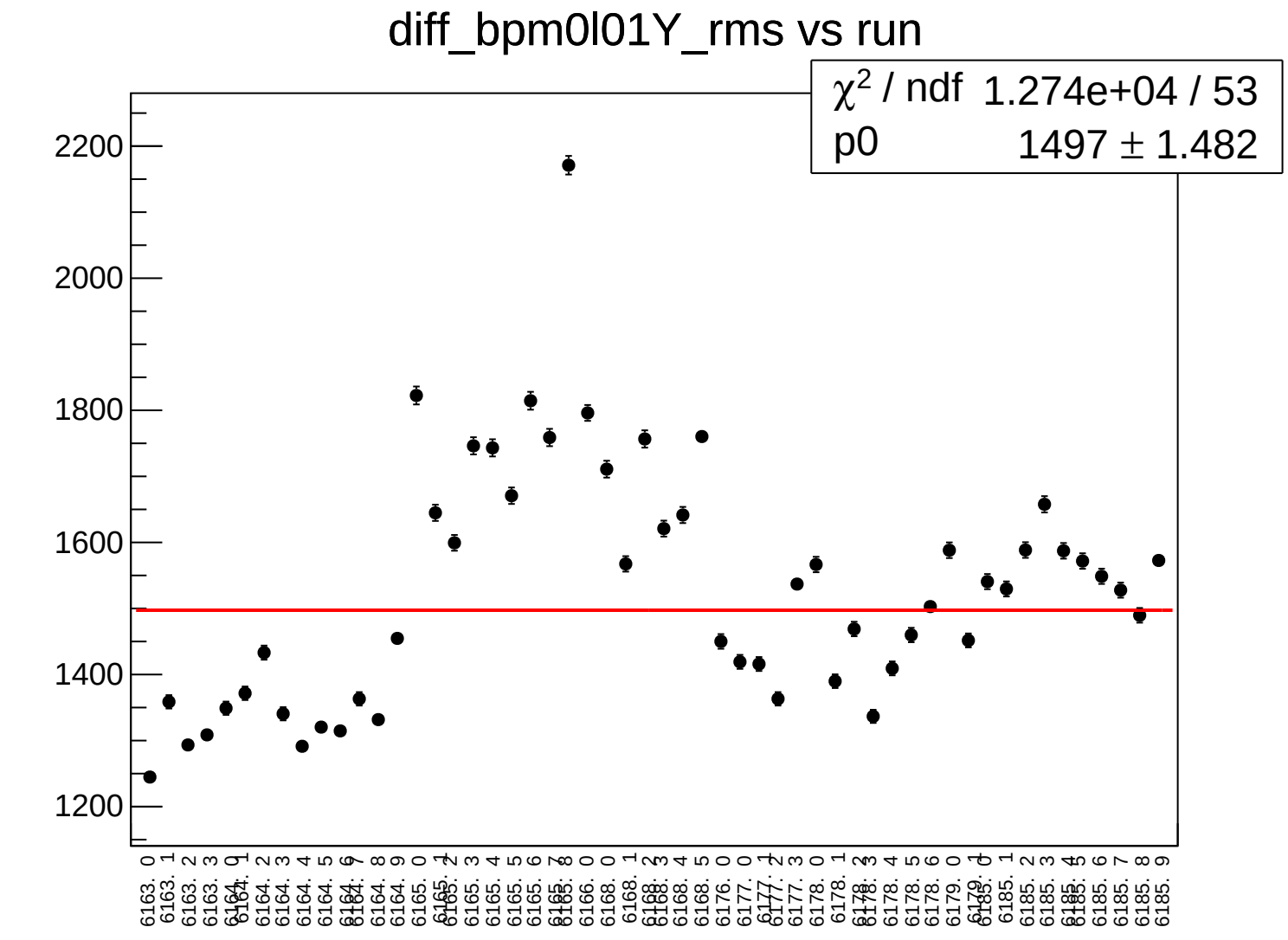

diff_bpm0l01X_mean vs run
χ² / ndf 52.74 / 53
p0 −30.01 ± 4.387
pull
Entries 54
Mean 317
Std Dev 0

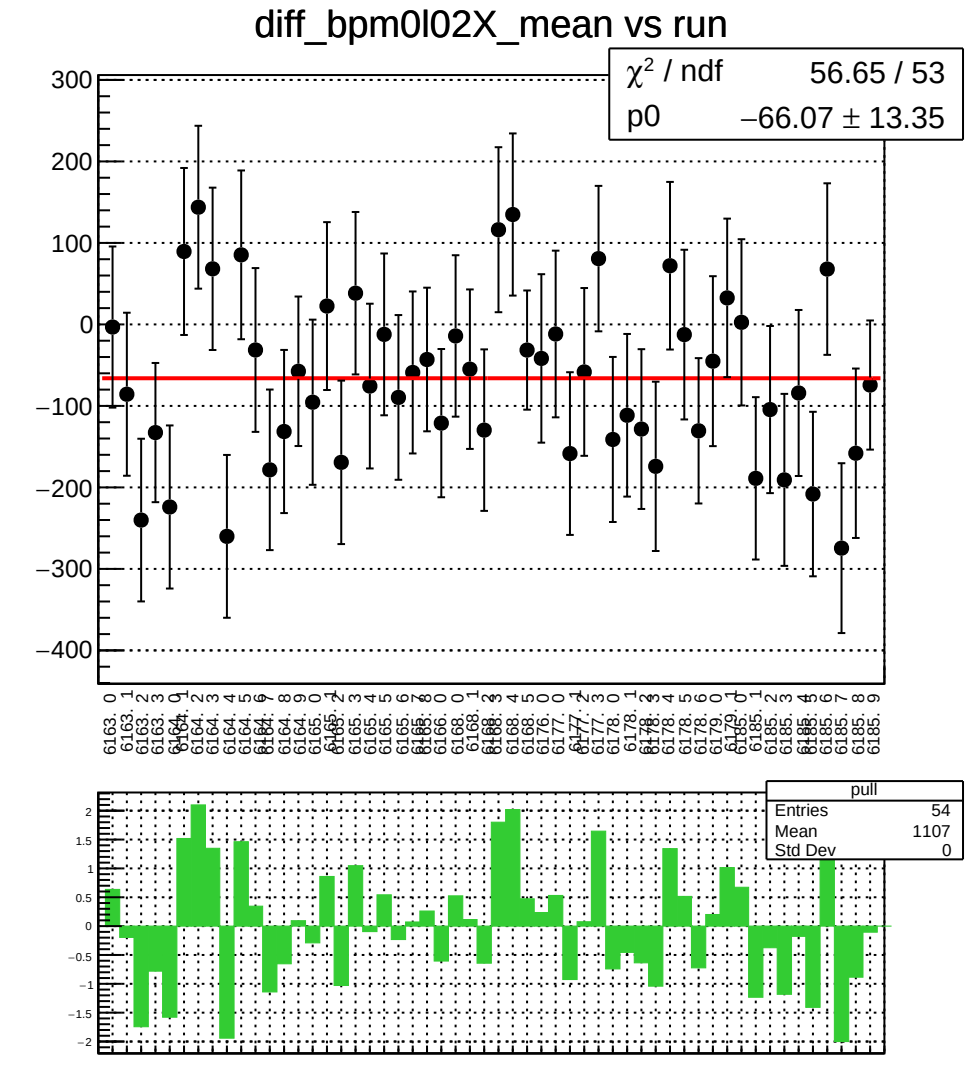

pull1D
Entries 54
Mean −0.00569
Std Dev 0.9882

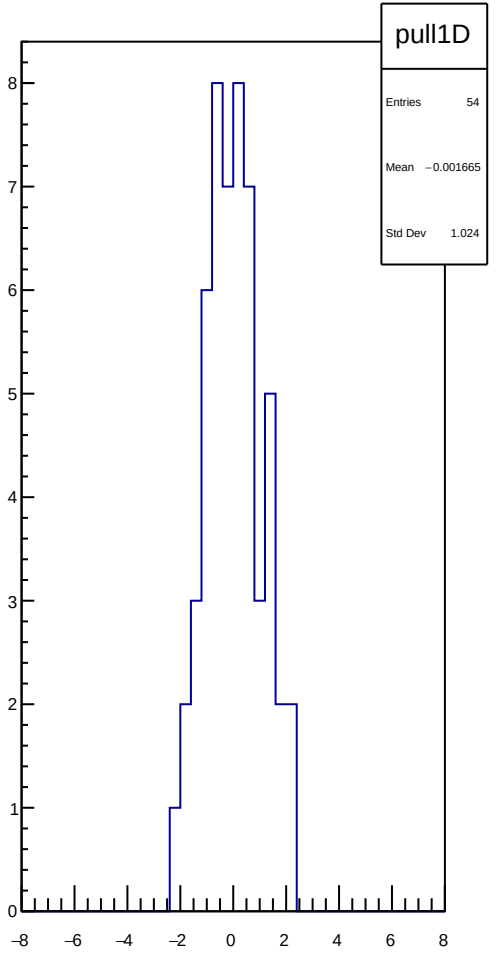

diff_bpm0l01X_rms vs run
χ² / ndf 146.8 / 53
p0 3153 ± 3.102
3300
3250
3200
3150
3100
3050
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

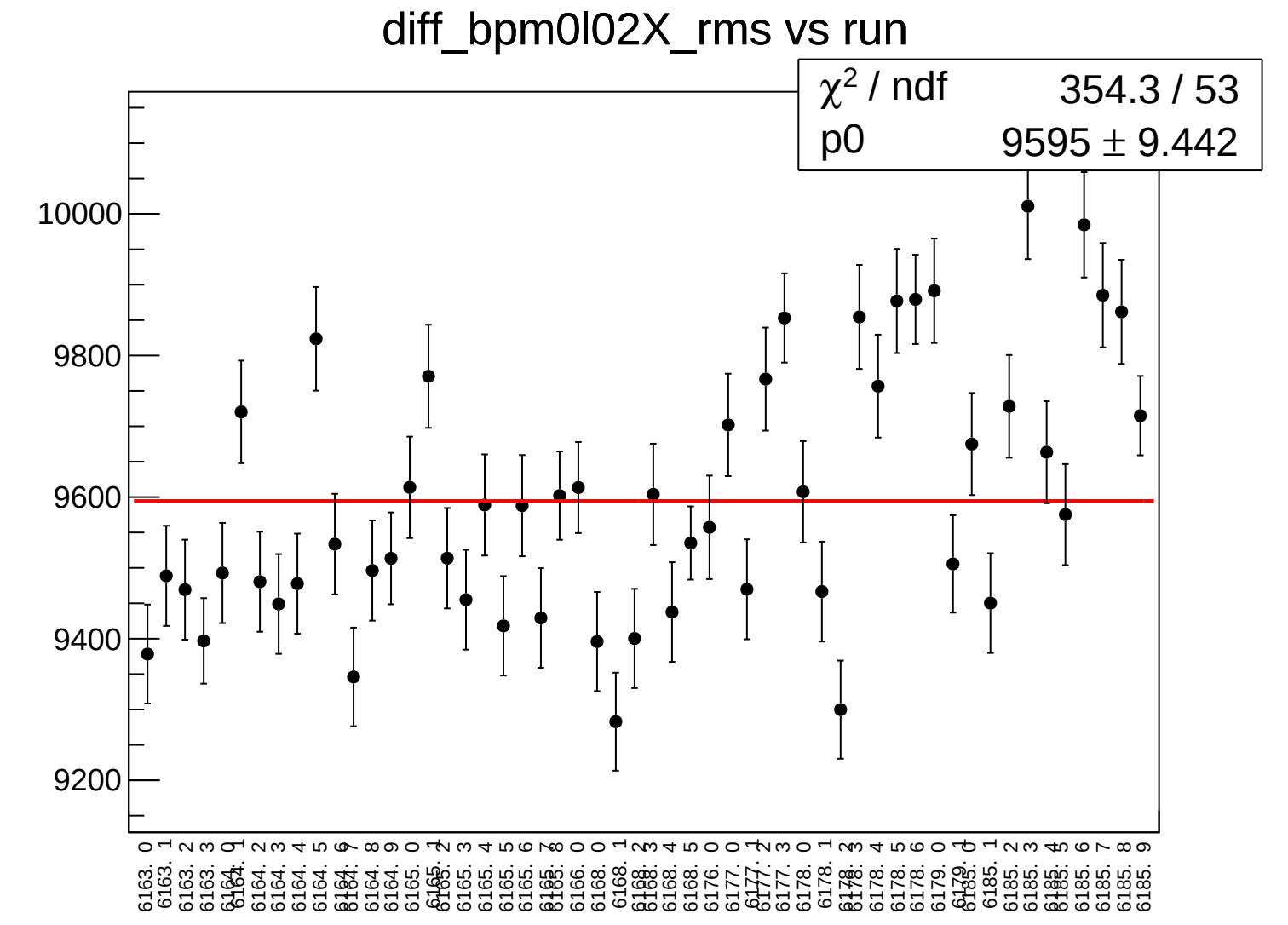

diff_bpm0l01Y_mean vs run
χ² / ndf 102.7 / 53
p0 12.13 ± 2.096
pull
Entries 54
Mean −254.9
Std Dev 0

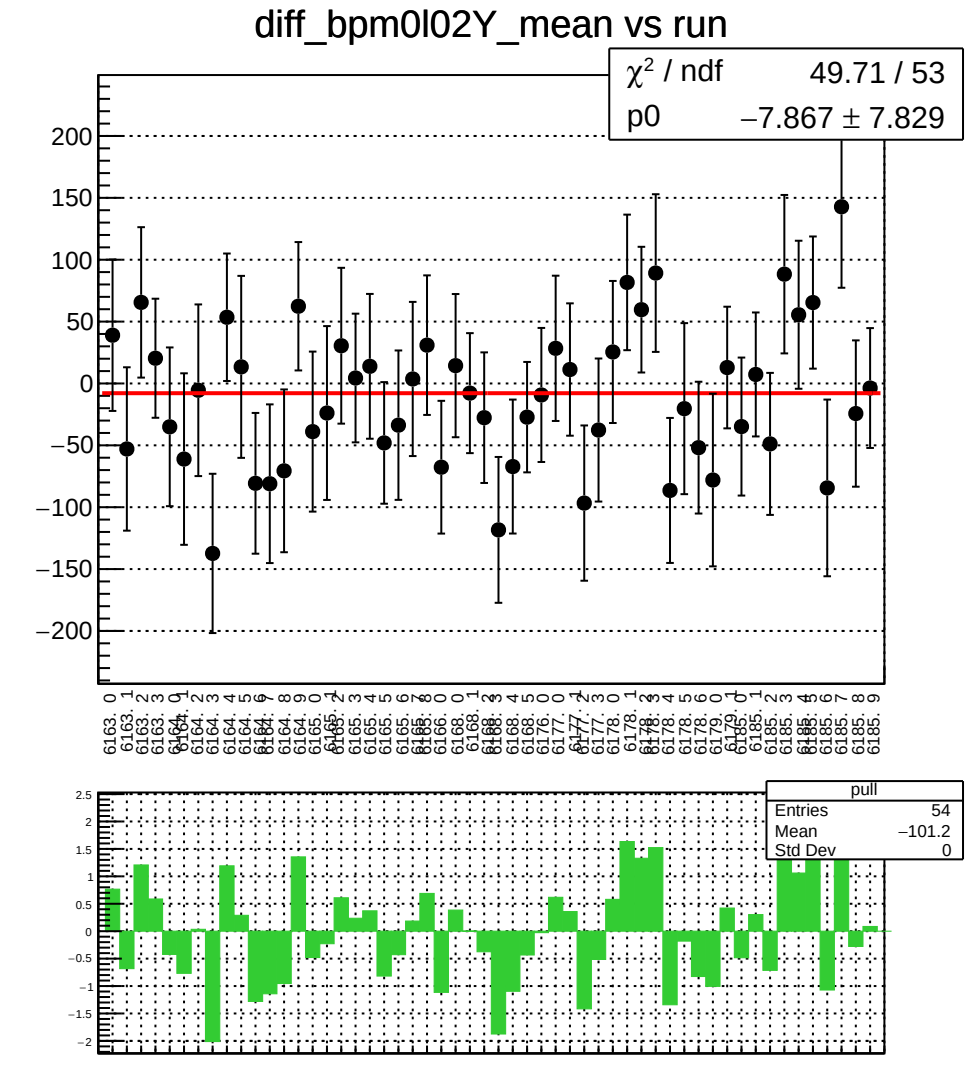

pull1D
Entries 54
Mean −0.03827
Std Dev 1.379

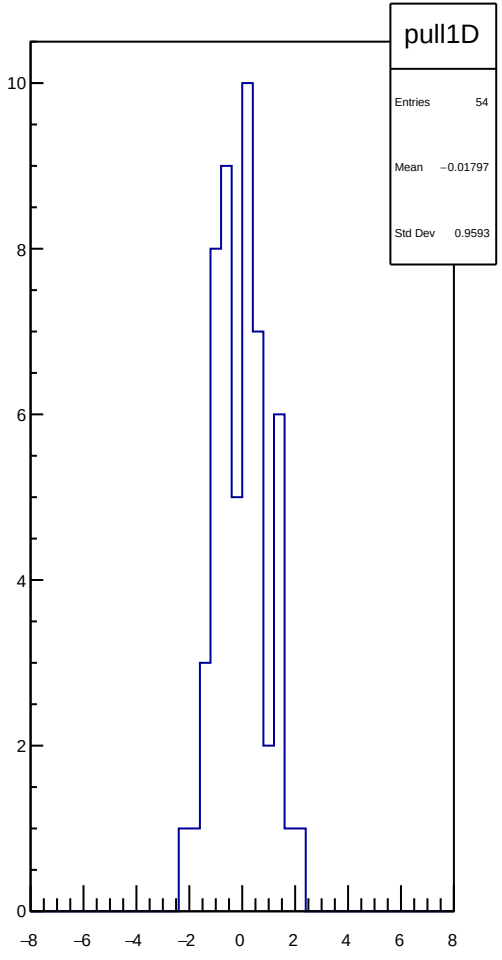

diff_bpm0l01Y_rms vs run
χ² / ndf 1.274e+04 / 53
p0 1497 ± 1.482
2200
2000
1800
1600
1400
1200
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

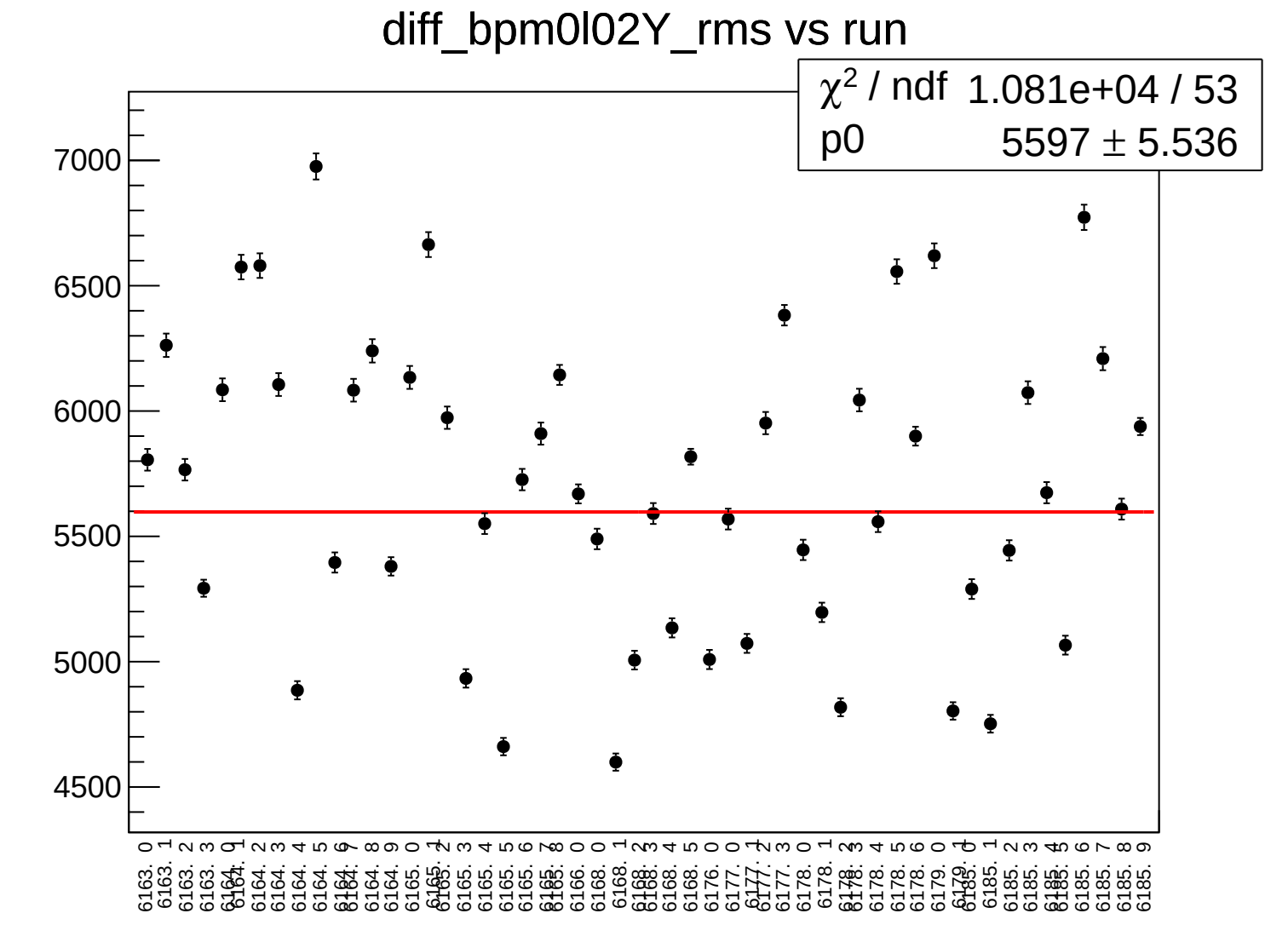

diff_bpm0l02X_mean vs run
χ² / ndf 56.65 / 53
p0 −66.07 ± 13.35
pull
Entries 54
Mean 1107
Std Dev 0

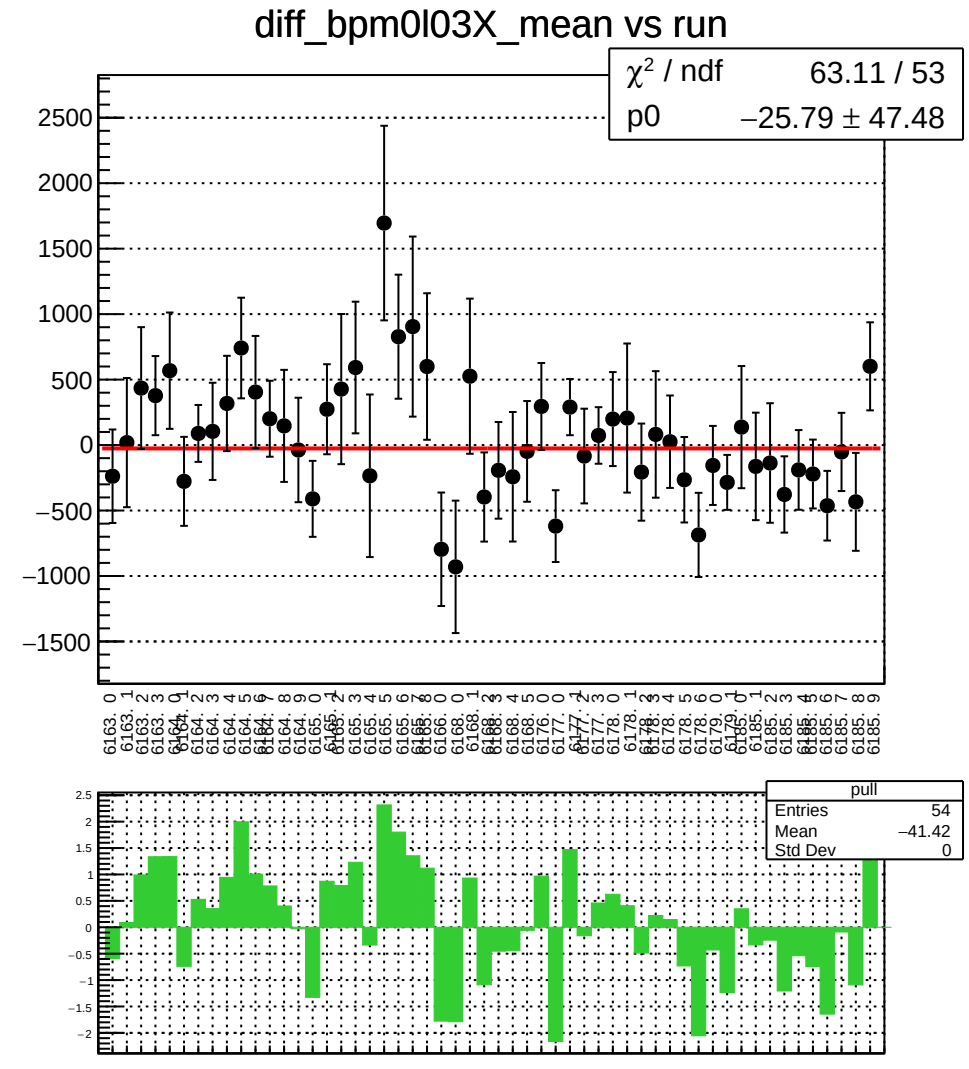

pull1D
Entries 54
Mean −0.001665
Std Dev 1.024

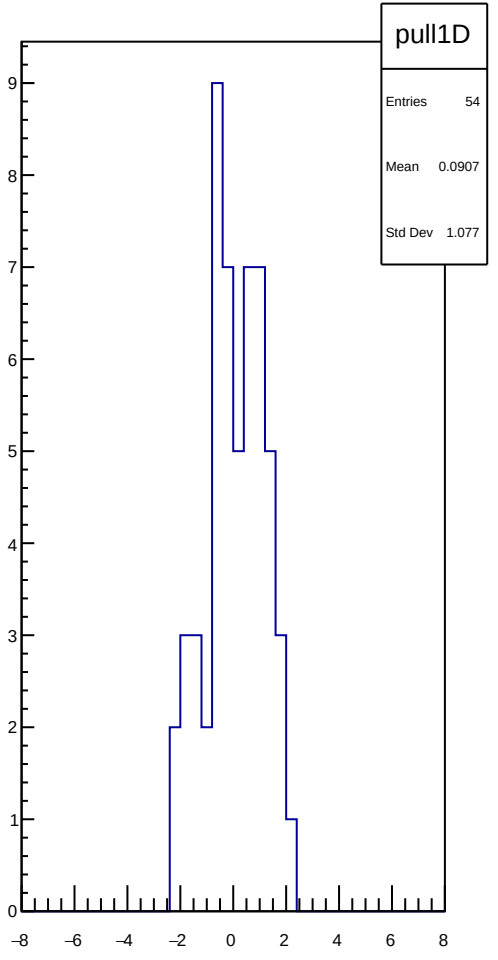

diff_bpm0l02X_rms vs run
χ² / ndf 354.3 / 53
p0 9595 ± 9.442
10000
9800
9600
9400
9200
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

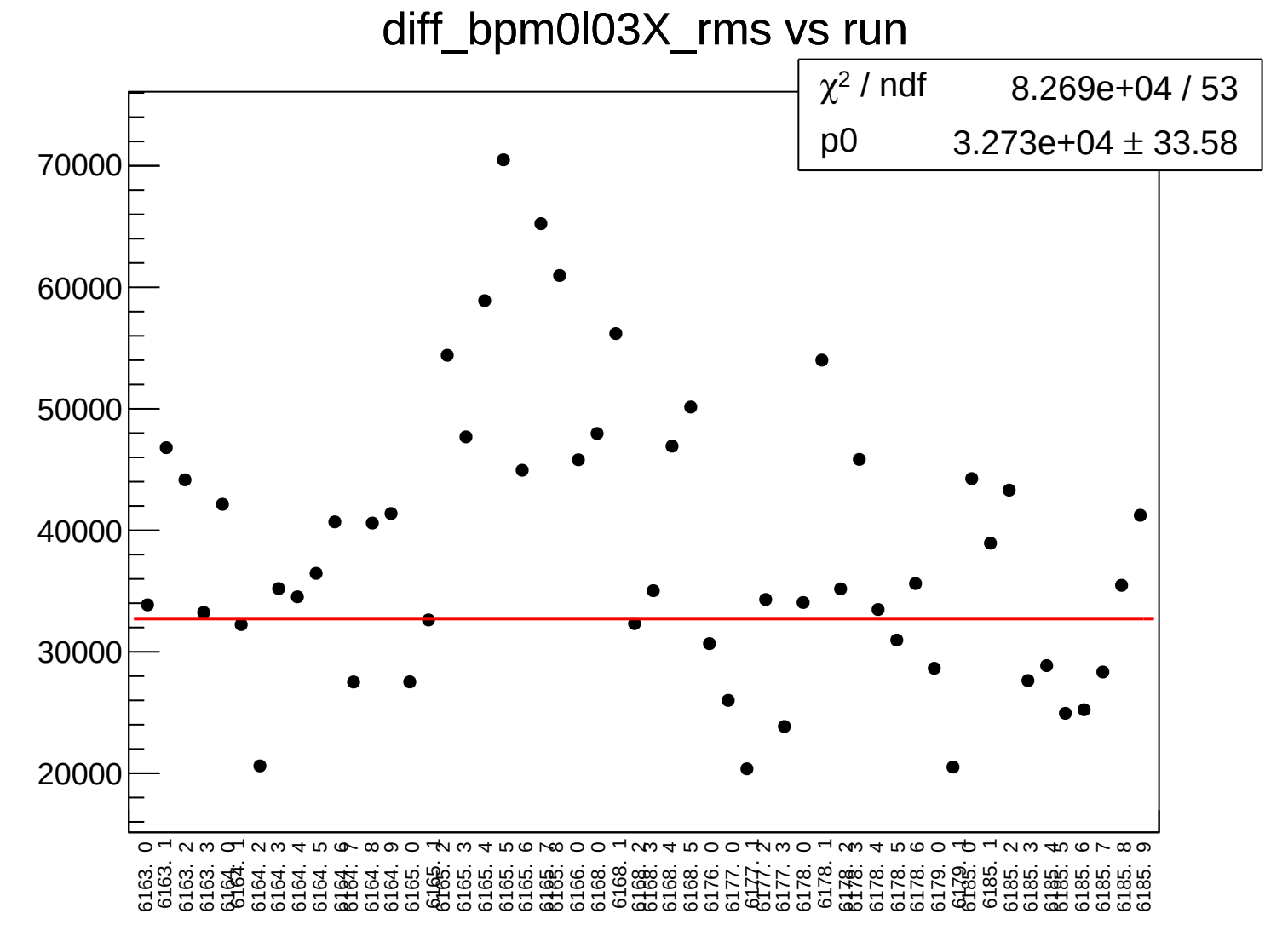

diff_bpm0l02Y_mean vs run
χ² / ndf 49.71 / 53
p0 −7.867 ± 7.829
pull
Entries 54
Mean −101.2
Std Dev 0

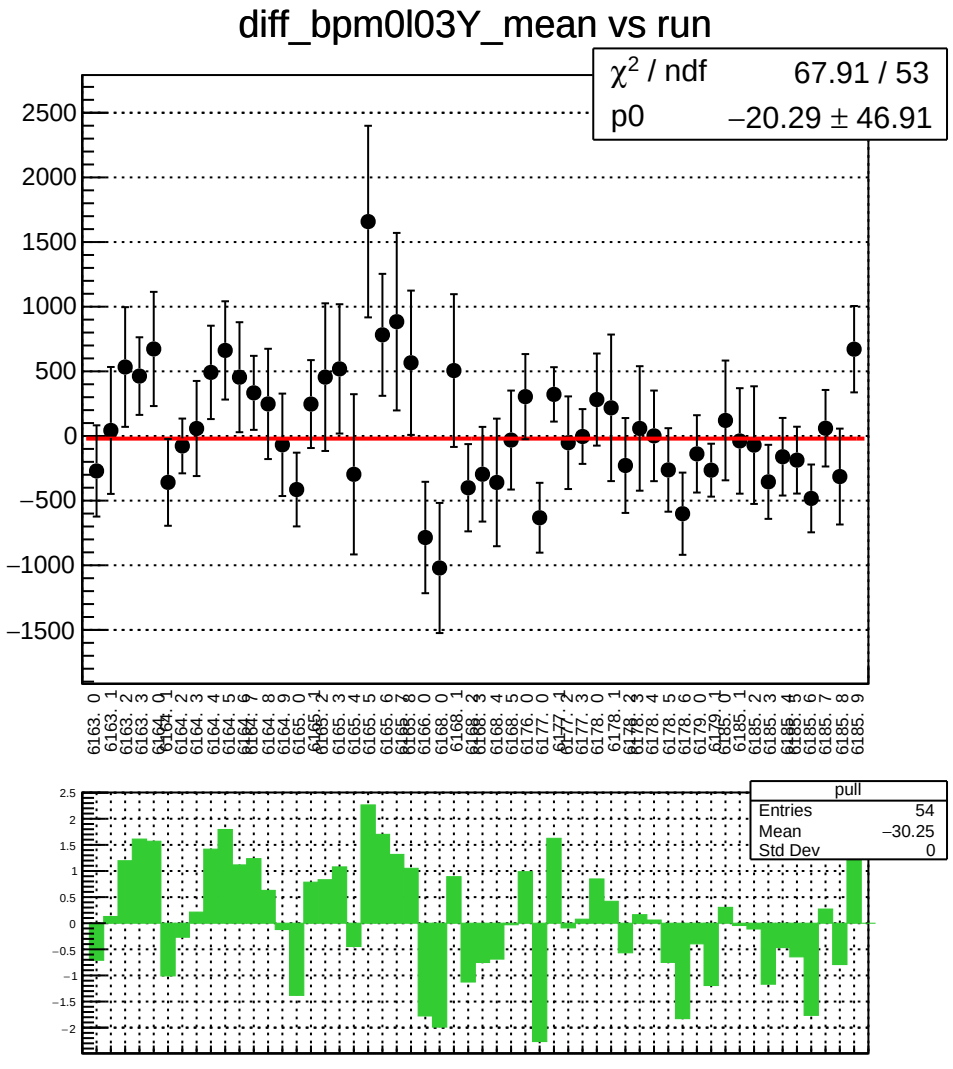

pull1D
Entries 54
Mean −0.01797
Std Dev 0.9593

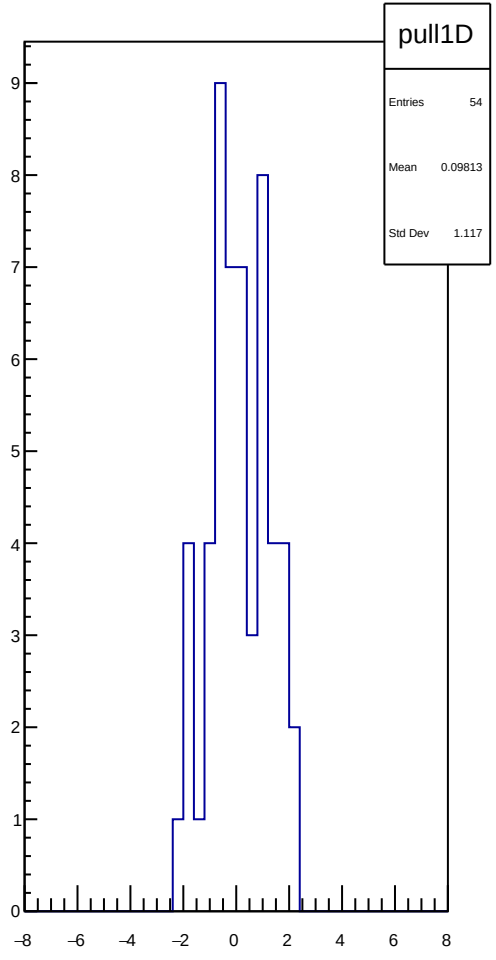

diff_bpm0l02Y_rms vs run
χ² / ndf 1.081e+04 / 53
p0 5597 ± 5.536
7000
6500
6000
5500
5000
4500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

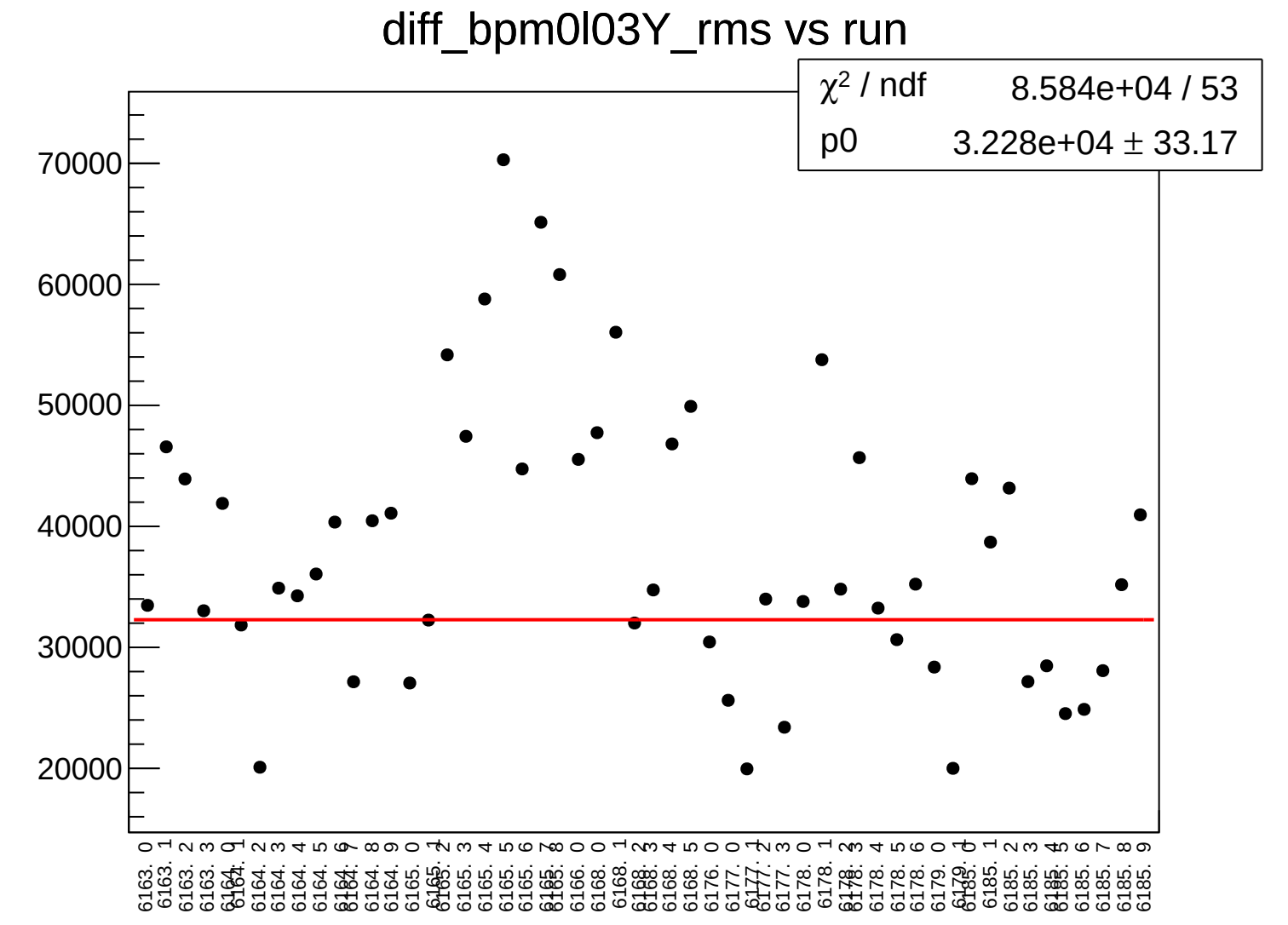

diff_bpm0l03X_mean vs run
χ² / ndf 63.11 / 53
p0 −25.79 ± 47.48
pull
Entries 54
Mean −41.42
Std Dev 0

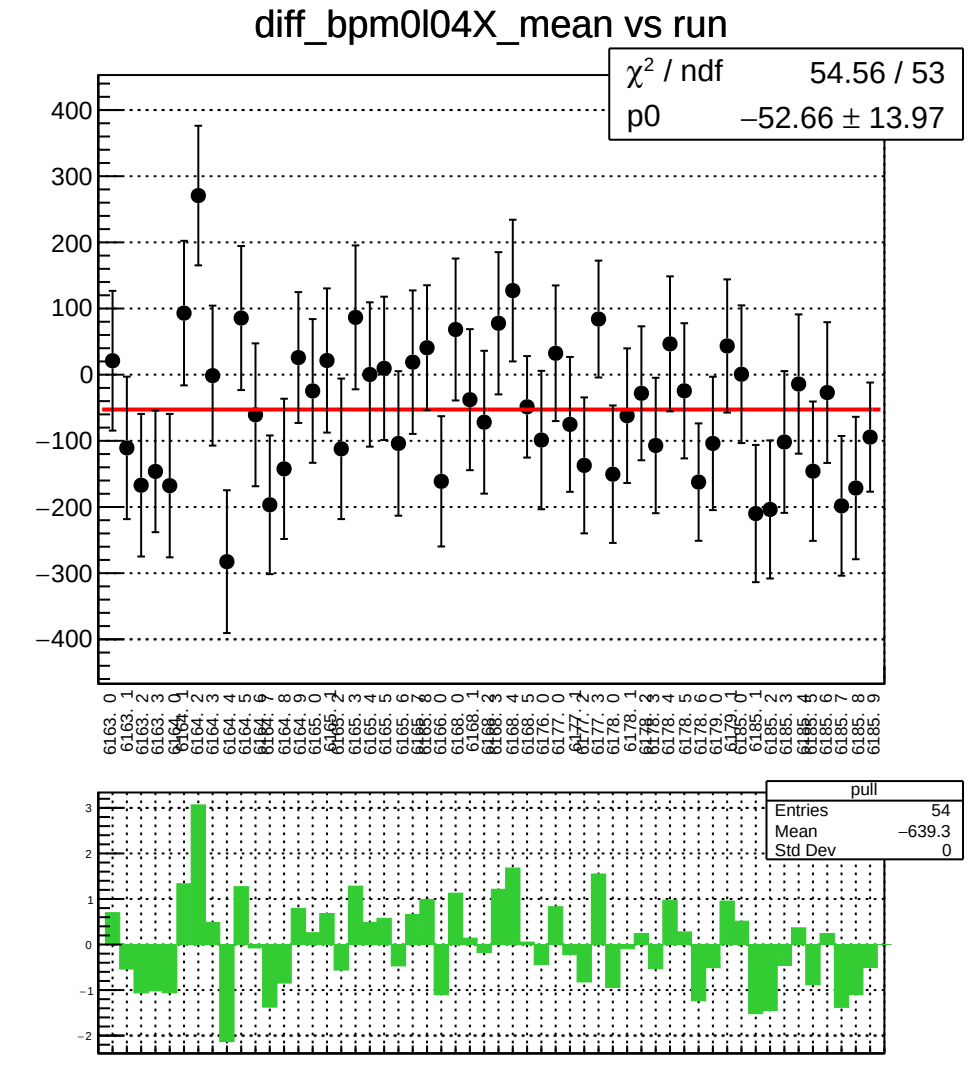

pull1D
Entries 54
Mean 0.0907
Std Dev 1.077

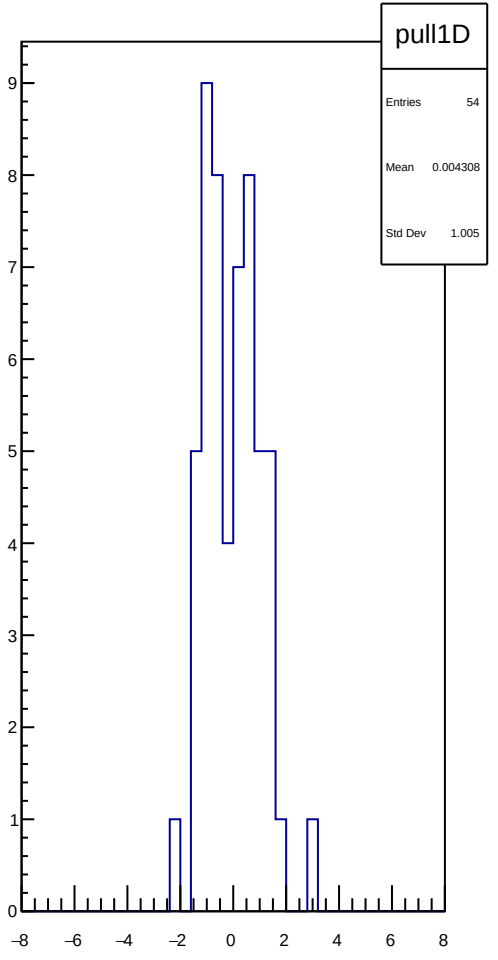

diff_bpm0l03X_rms vs run
χ² / ndf 8.269e+04 / 53
p0 3.273e+04 ± 33.58
70000
60000
50000
40000
30000
20000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

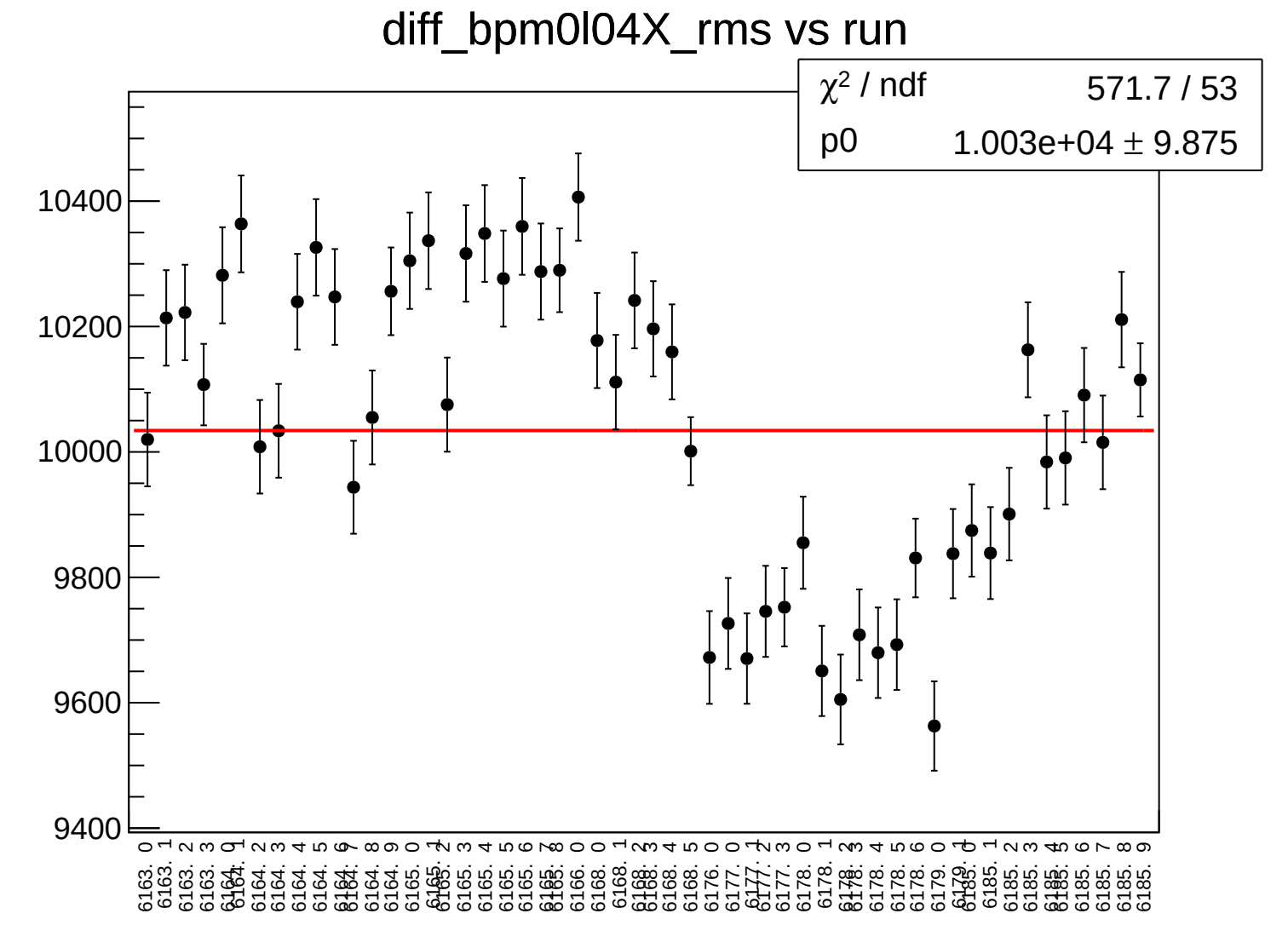

diff_bpm0l03Y_mean vs run
χ^2 / ndf 67.91 / 53
p0 −20.29 ± 46.91
pull
Entries 54
Mean −30.25
Std Dev 0

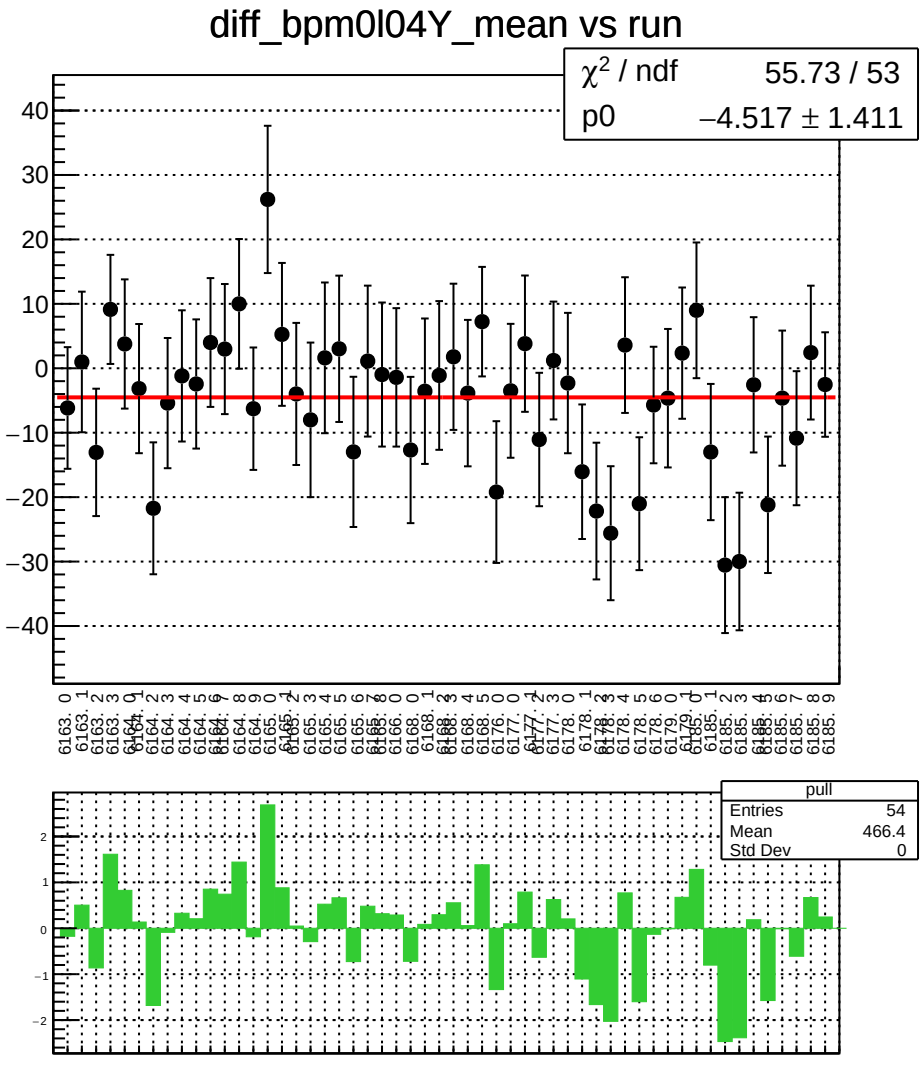

pull1D
Entries 54
Mean 0.09813
Std Dev 1.117

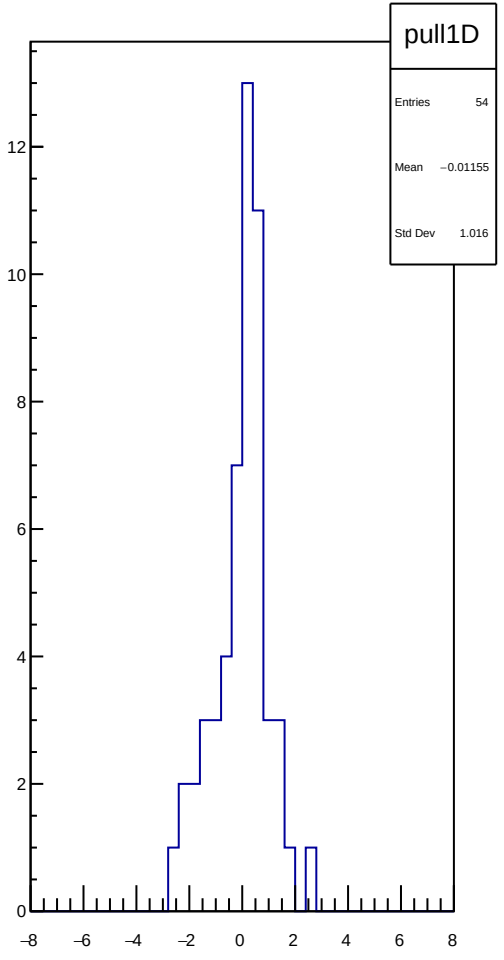

diff_bpm0l03Y_rms vs run
χ² / ndf 8.584e+04 / 53
p0 3.228e+04 ± 33.17
70000
60000
50000
40000
30000
20000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

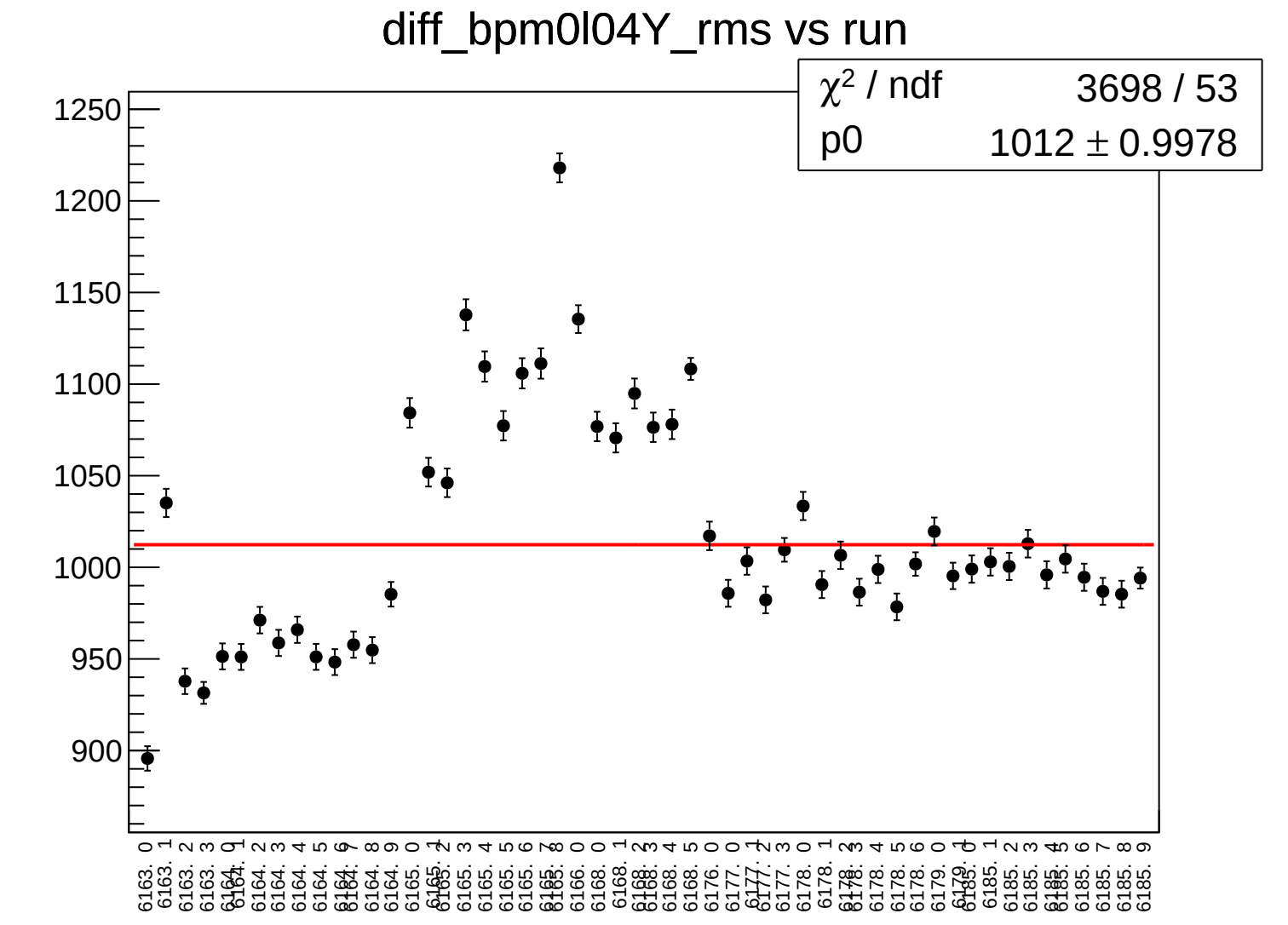

diff_bpm0l04X_mean vs run
χ² / ndf 54.56 / 53
p0 −52.66 ± 13.97
pull
Entries 54
Mean −639.3
Std Dev 0

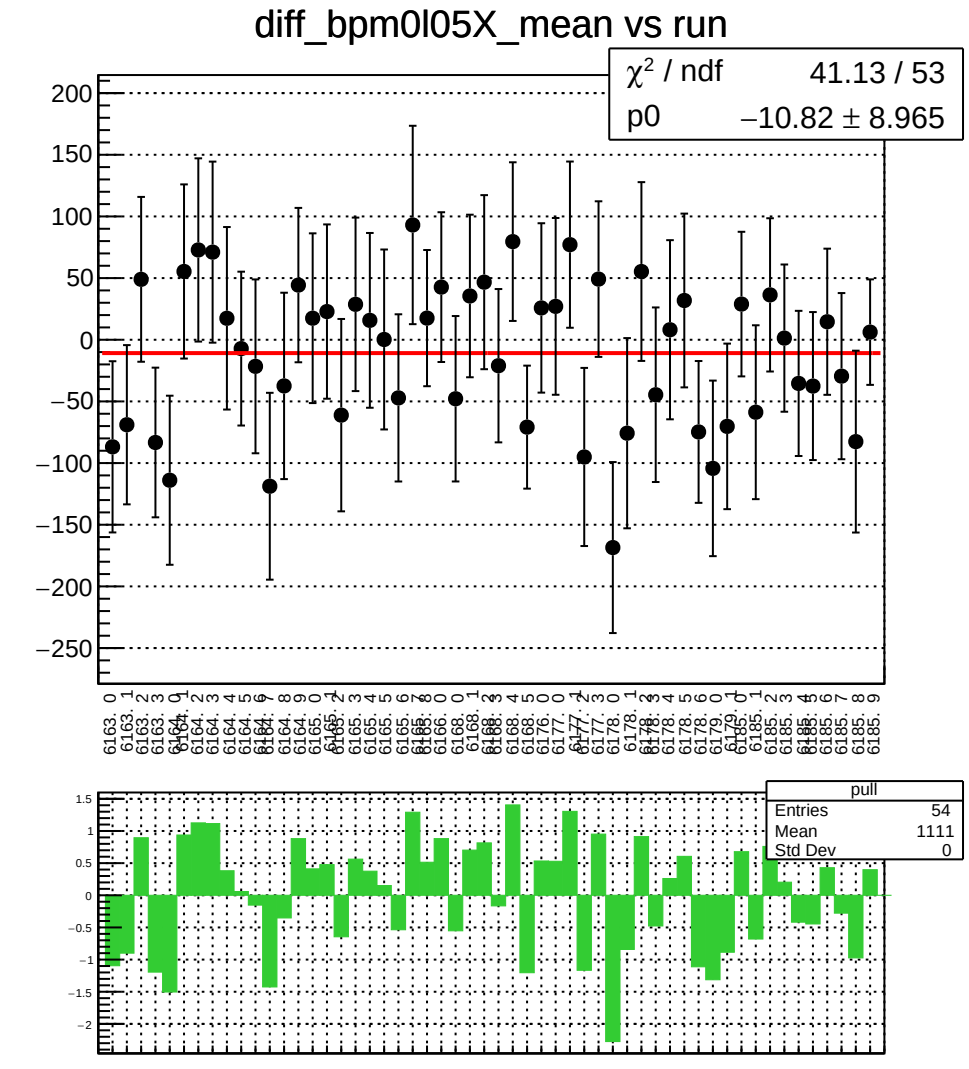

pull1D
Entries 54
Mean 0.004308
Std Dev 1.005

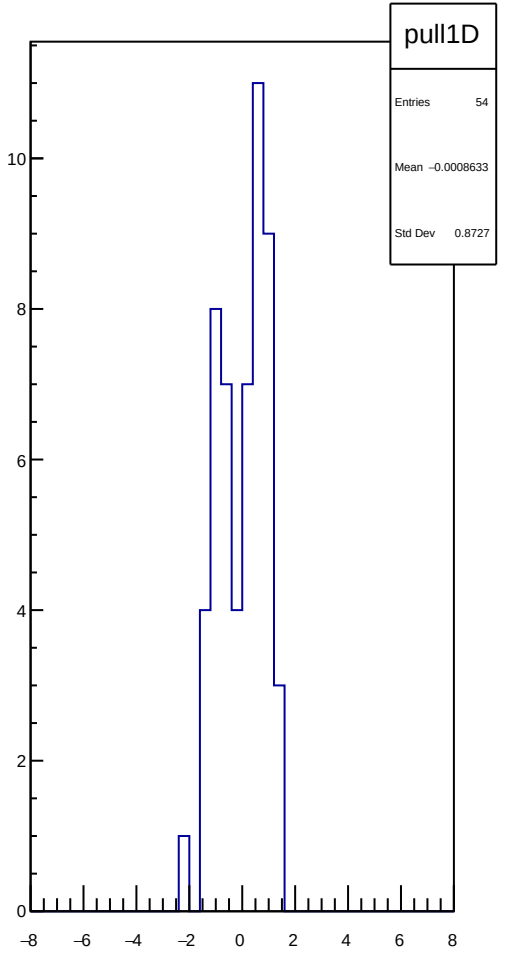

diff_bpm0l04X_rms vs run
χ² / ndf 571.7 / 53
p0 1.003e+04 ± 9.875
10400
10200
10000
9800
9600
9400
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

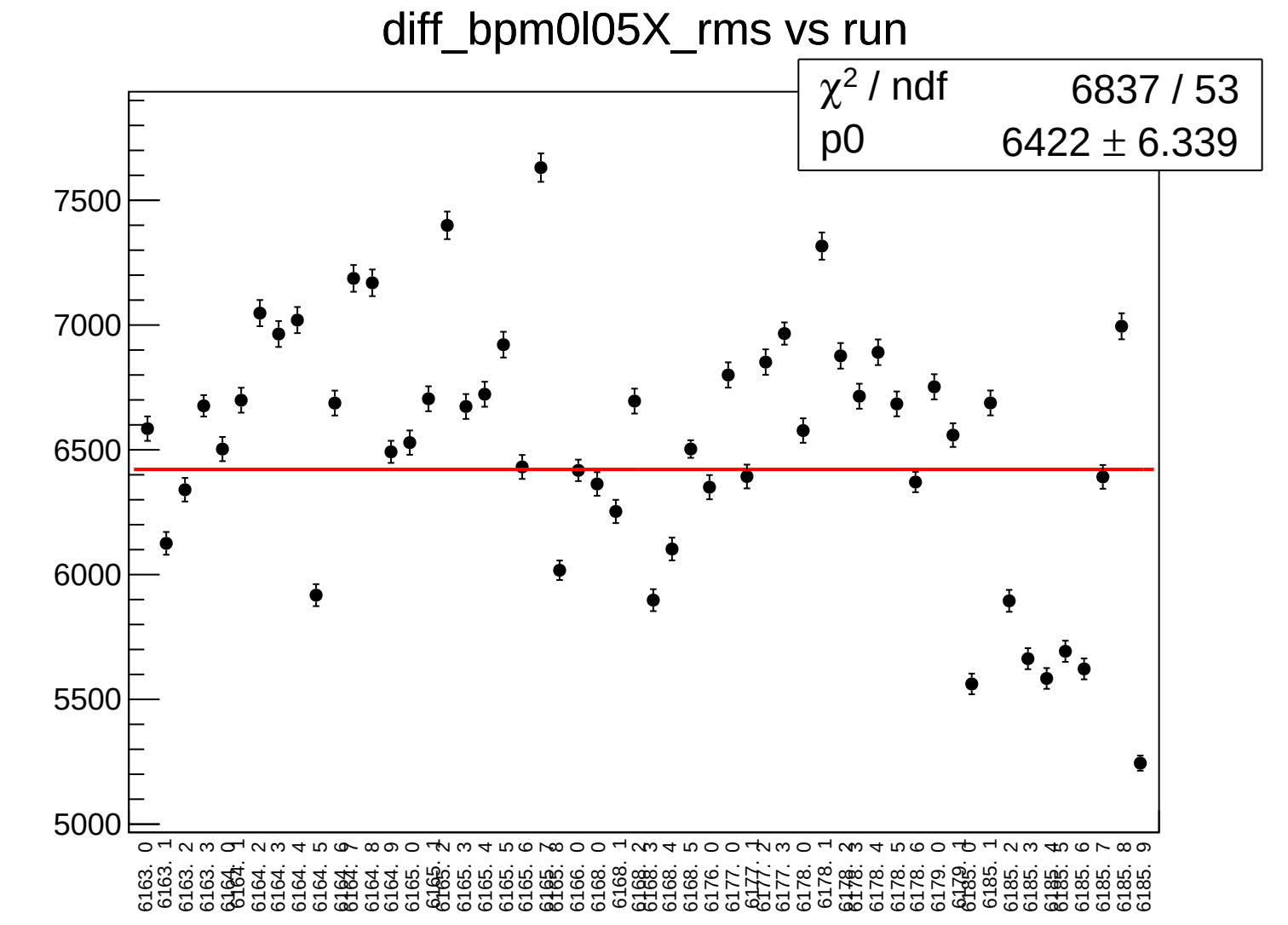

diff_bpm0l04Y_mean vs run
χ² / ndf 55.73 / 53
p0 −4.517 ± 1.411
pull
Entries 54
Mean 466.4
Std Dev 0

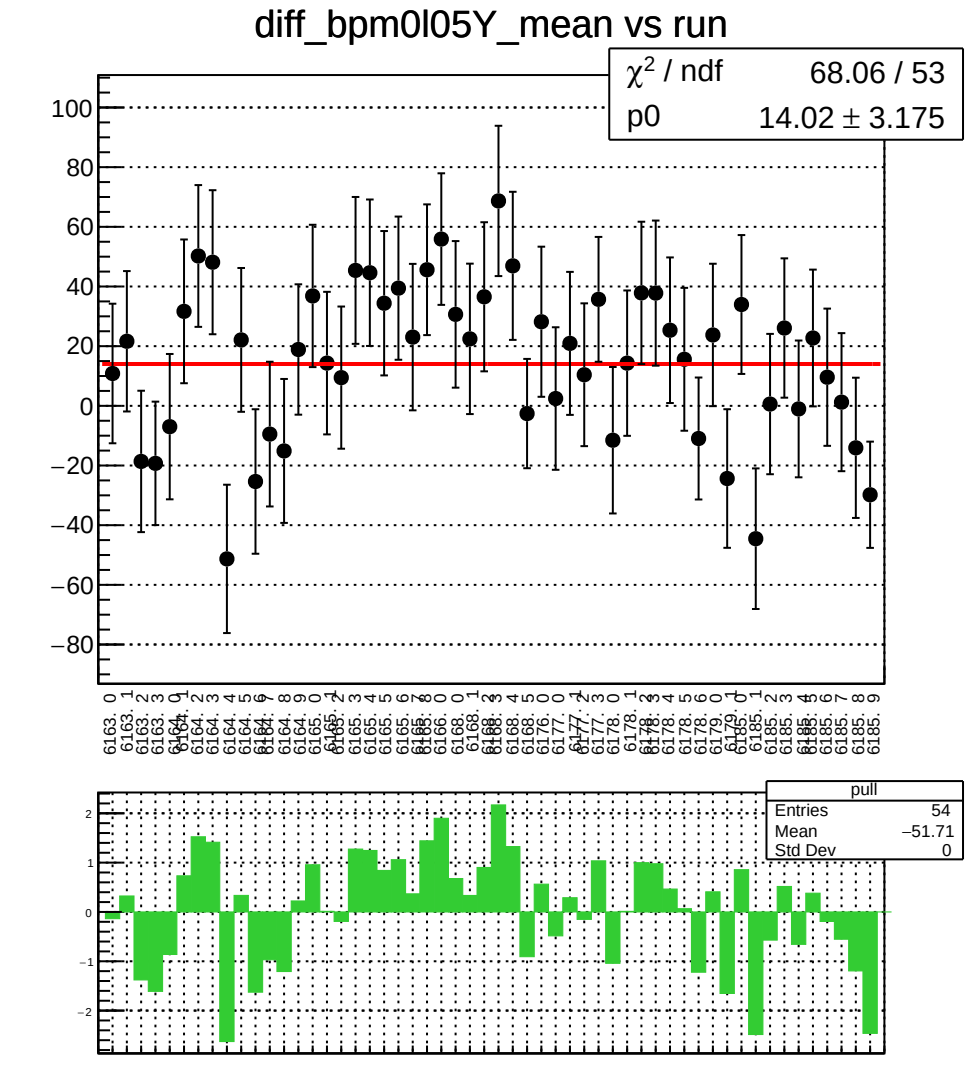

pull1D
Entries 54
Mean −0.01155
Std Dev 1.016

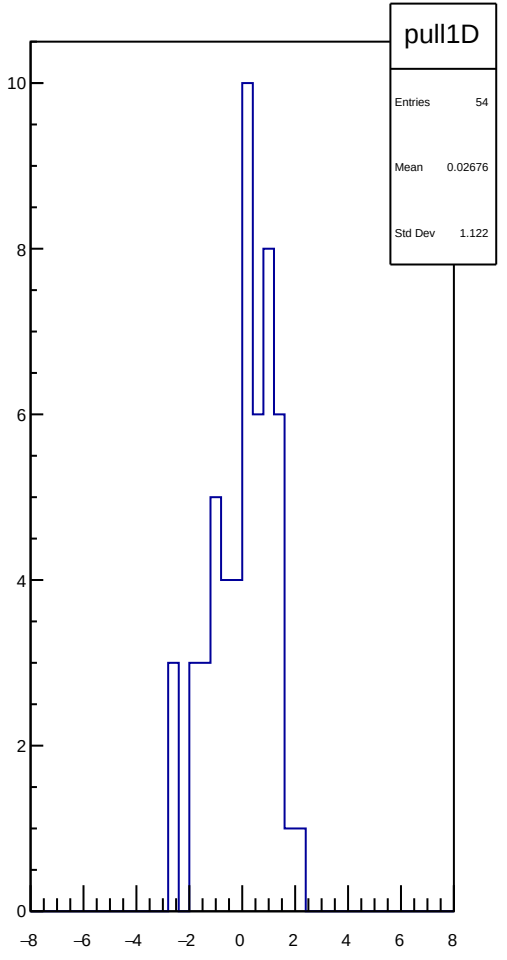

diff_bpm0l04Y_rms vs run
χ² / ndf 3698 / 53
p0 1012 ± 0.9978
1250
1200
1150
1100
1050
1000
950
900
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

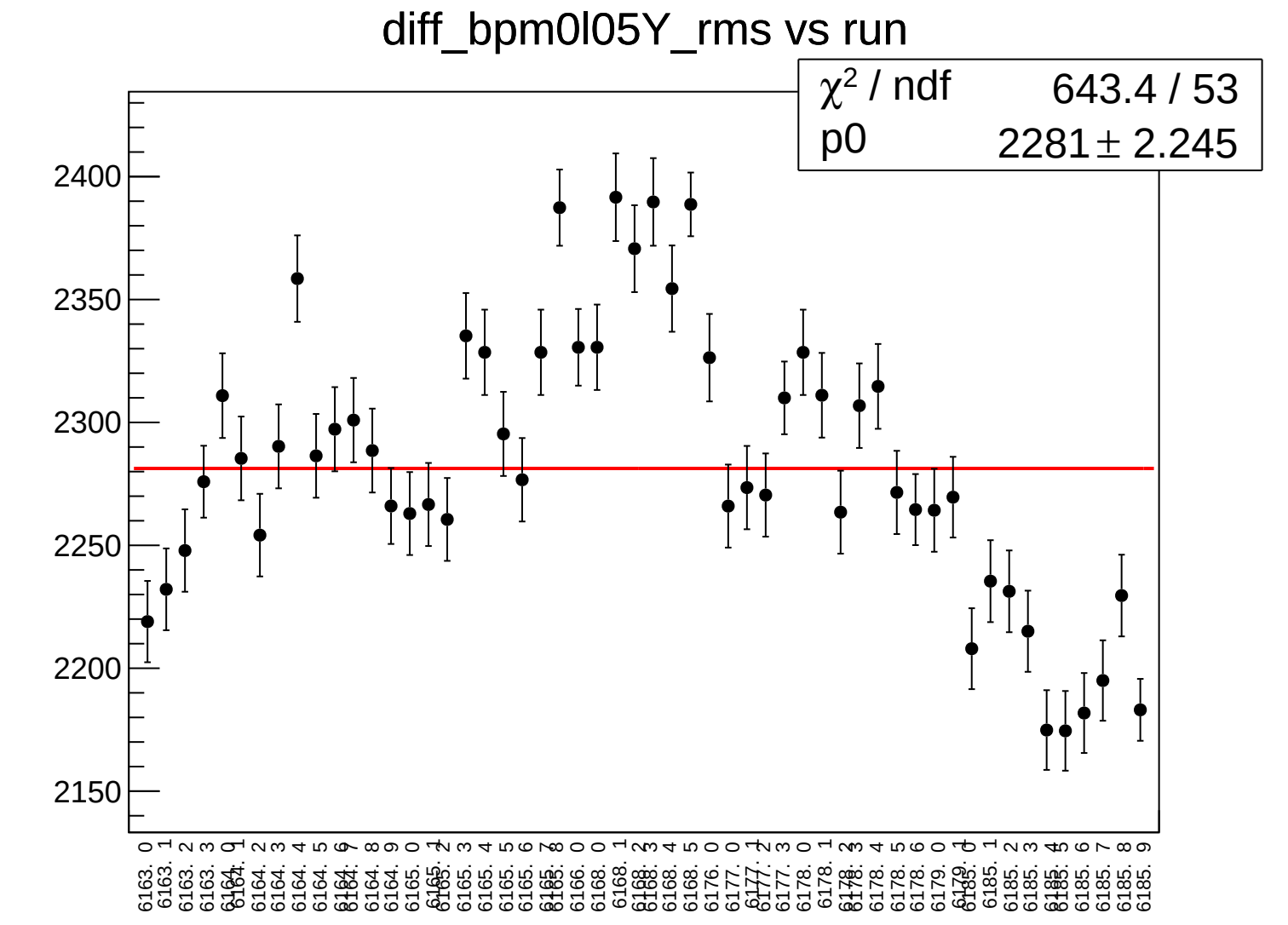

diff_bpm0l05X_mean vs run
χ² / ndf 41.13 / 53
p0 −10.82 ± 8.965
pull
Entries 54
Mean 1111
Std Dev 0

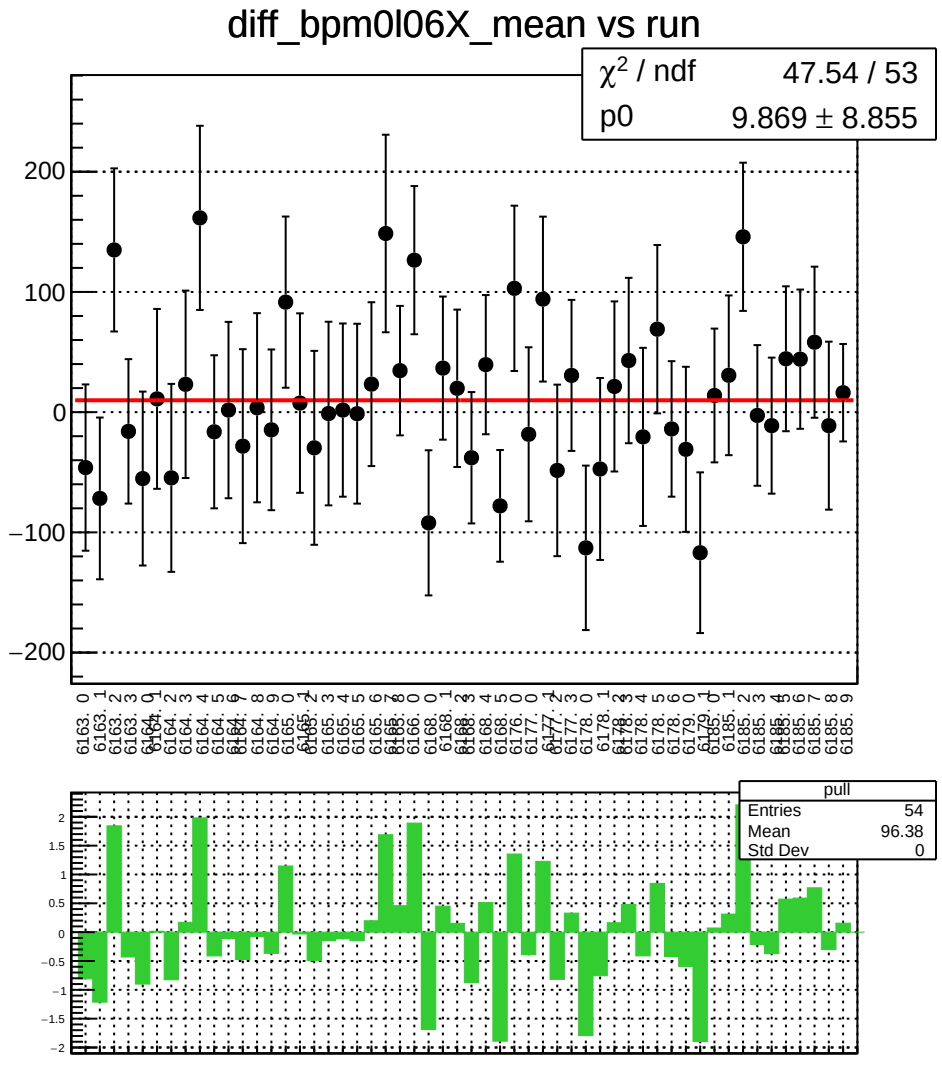

pull1D
Entries 54
Mean −0.0008633
Std Dev 0.8727

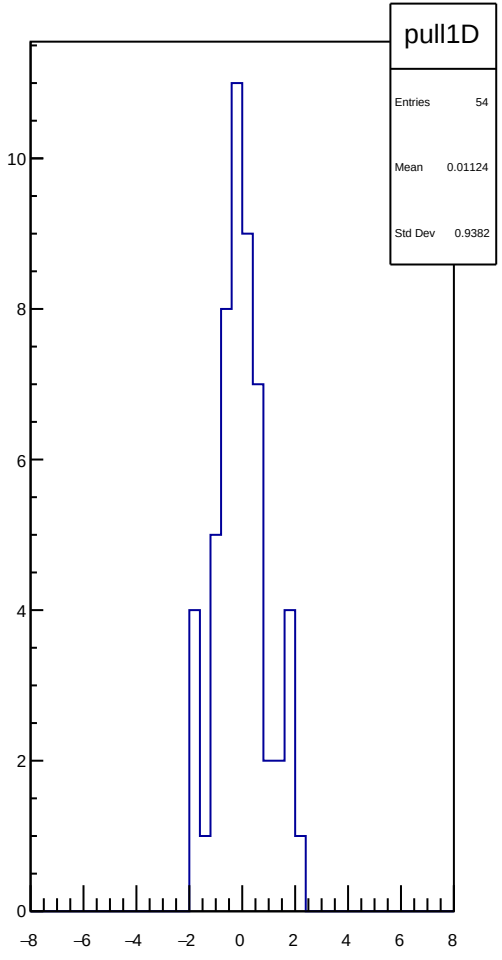

diff_bpm0l05X_rms vs run
χ² / ndf 6837 / 53
p0 6422 ± 6.339
7500
7000
6500
6000
5500
5000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

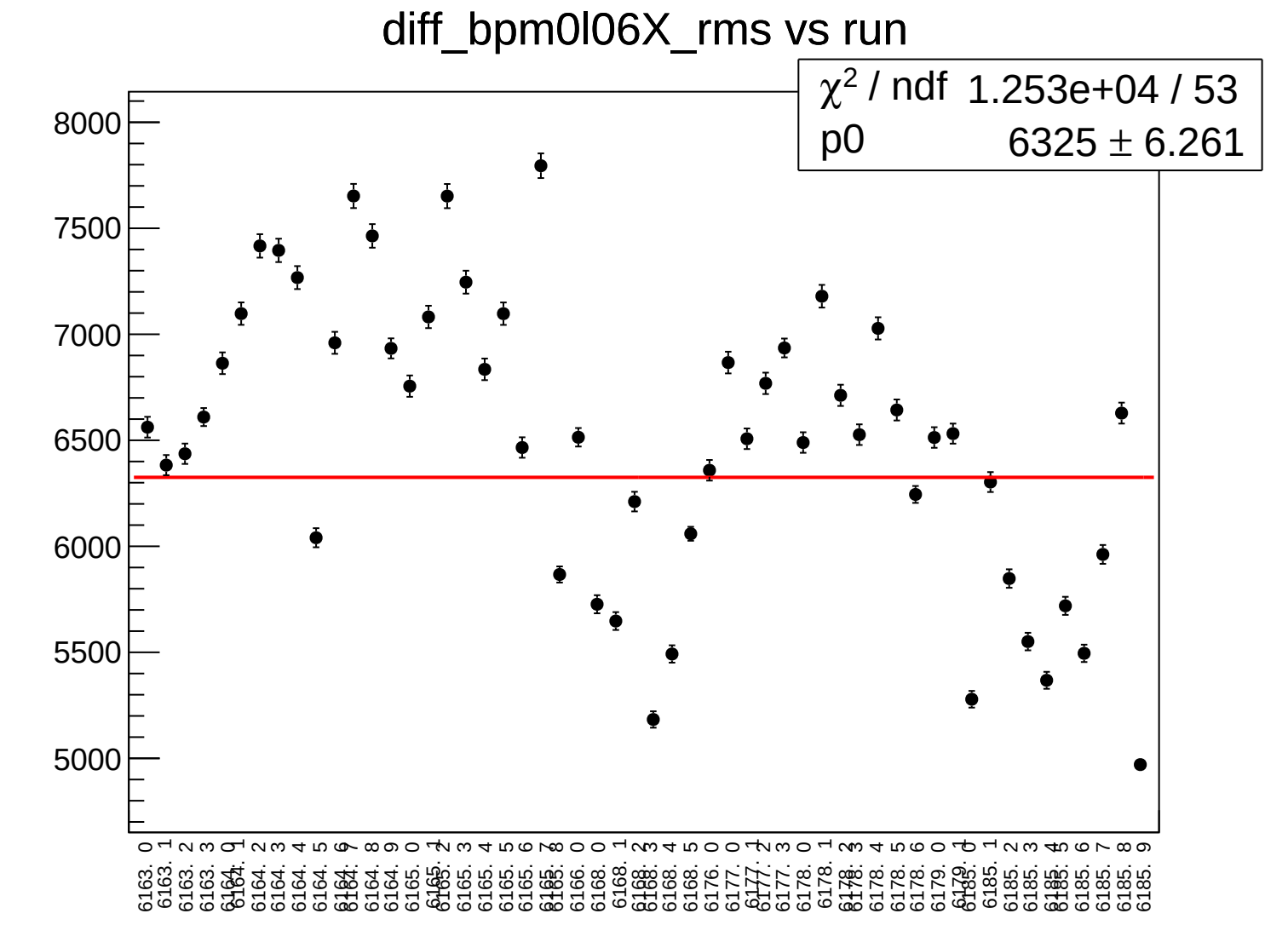

diff_bpm0l05Y_mean vs run
χ² / ndf 68.06 / 53
p0 14.02 ± 3.175
pull
Entries 54
Mean −51.71
Std Dev 0


pull1D
Entries 54
Mean 0.02676
Std Dev 1.122


diff_bpm0l05Y_rms vs run
χ² / ndf 643.4 / 53
p0 2281 ± 2.245
2400
2350
2300
2250
2200
2150
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


diff_bpm0l06X_mean vs run
χ² / ndf 47.54 / 53
p0 9.869 ± 8.855
200
100
0
−100
−200
6163. 0
6163. 1
6163. 2
6163. 3
6164. 0
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 6
6164. 7
6164. 8
6164. 9
6165. 0
6165. 1
6165. 2
6165. 3
6165. 4
6165. 5
6165. 6
6165. 7
6166. 0
6166. 1
6168. 0
6168. 1
6168. 2
6168. 3
6168. 4
6168. 5
6176. 0
6176. 1
6177. 2
6177. 3
6178. 0
6178. 1
6178. 2
6178. 3
6178. 4
6178. 5
6178. 6
6179. 0
6179. 1
6185. 1
6185. 2
6185. 3
6185. 4
6185. 5
6185. 6
6185. 7
6185. 8
6185. 9
pull
Entries 54
Mean 96.38
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 54
Mean 0.01124
Std Dev 0.9382
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


diff_bpm0l06X_rms vs run
χ² / ndf 1.253e+04 / 53
p0 6325 ± 6.261
8000
7500
7000
6500
6000
5500
5000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
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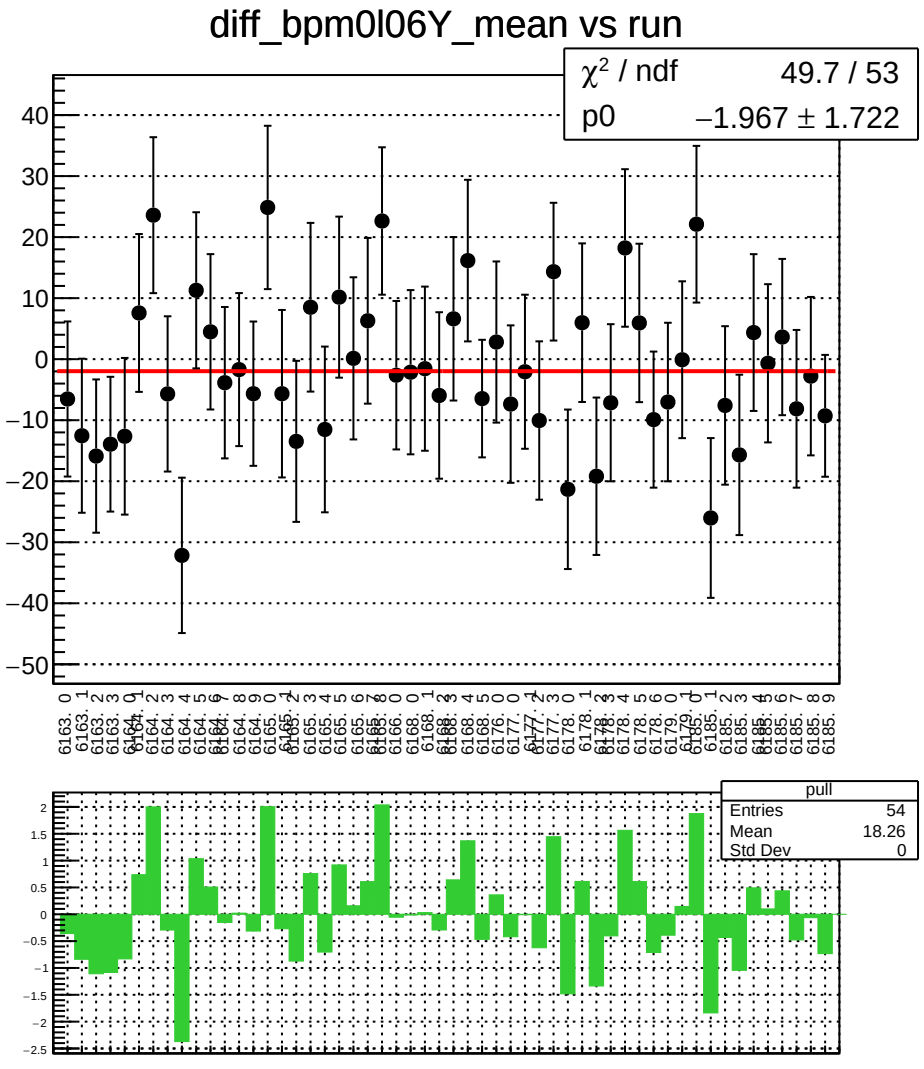
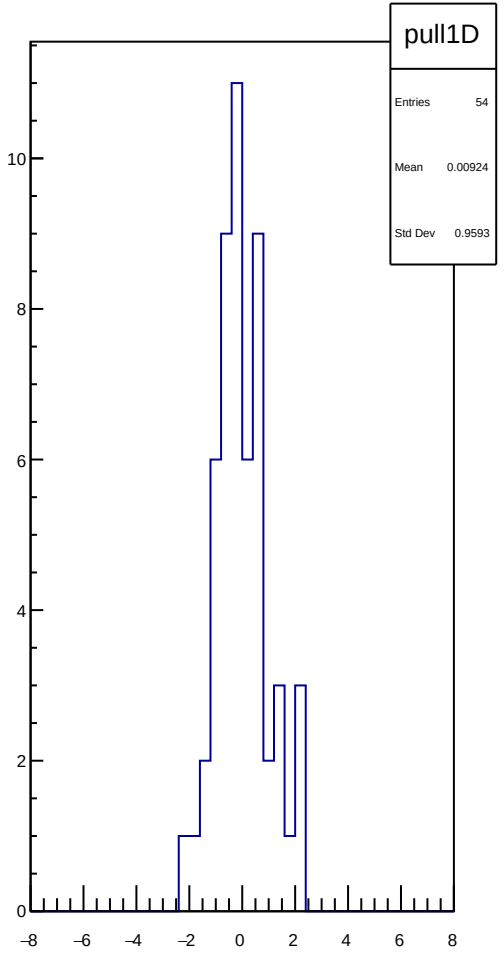
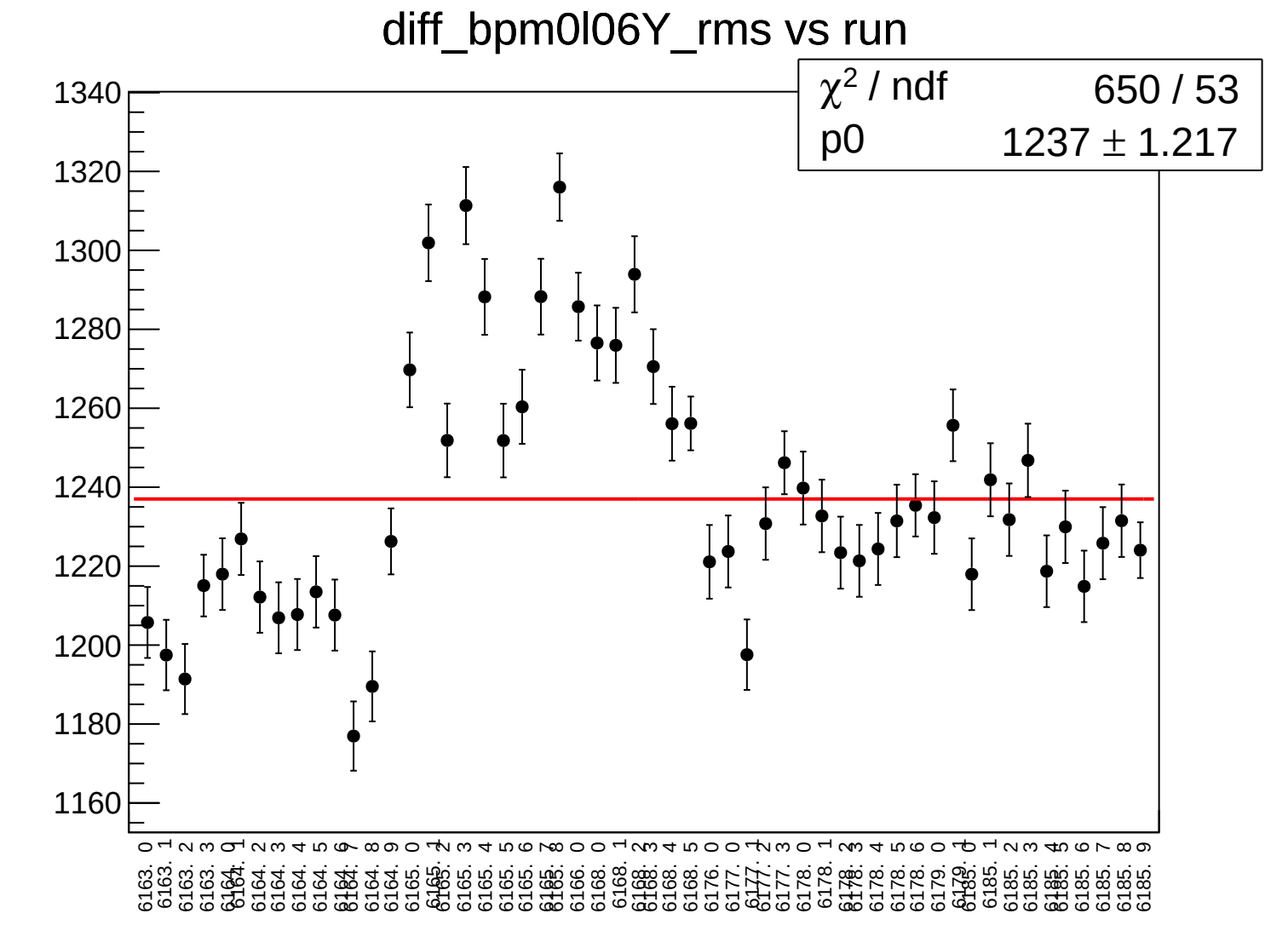
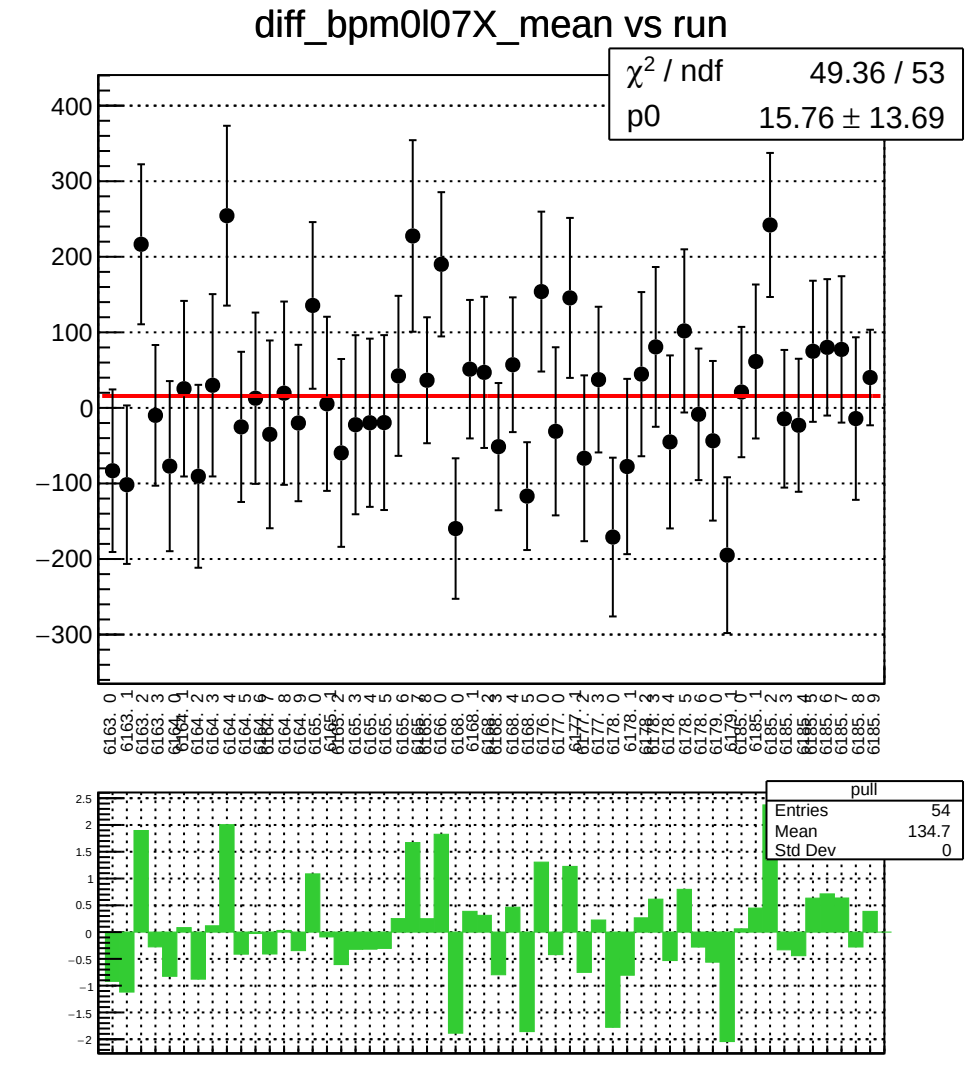
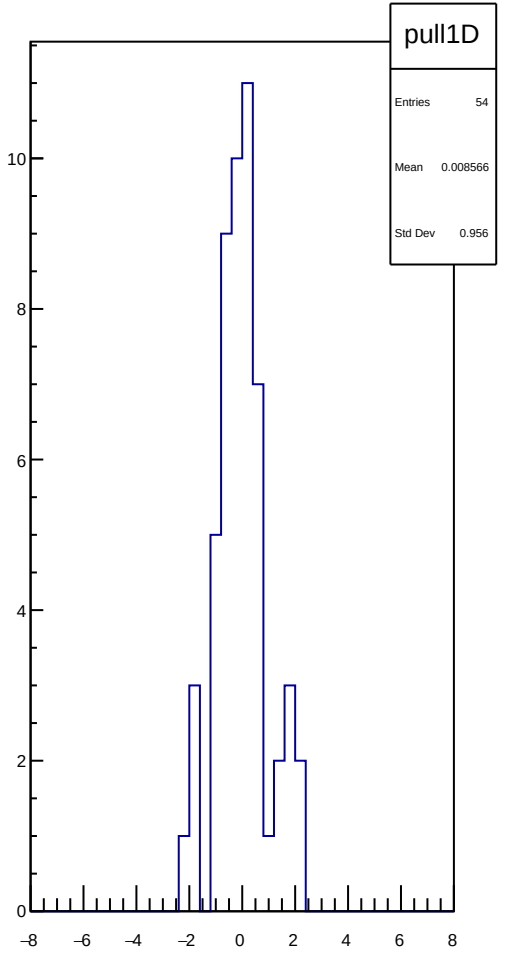
6185. 9

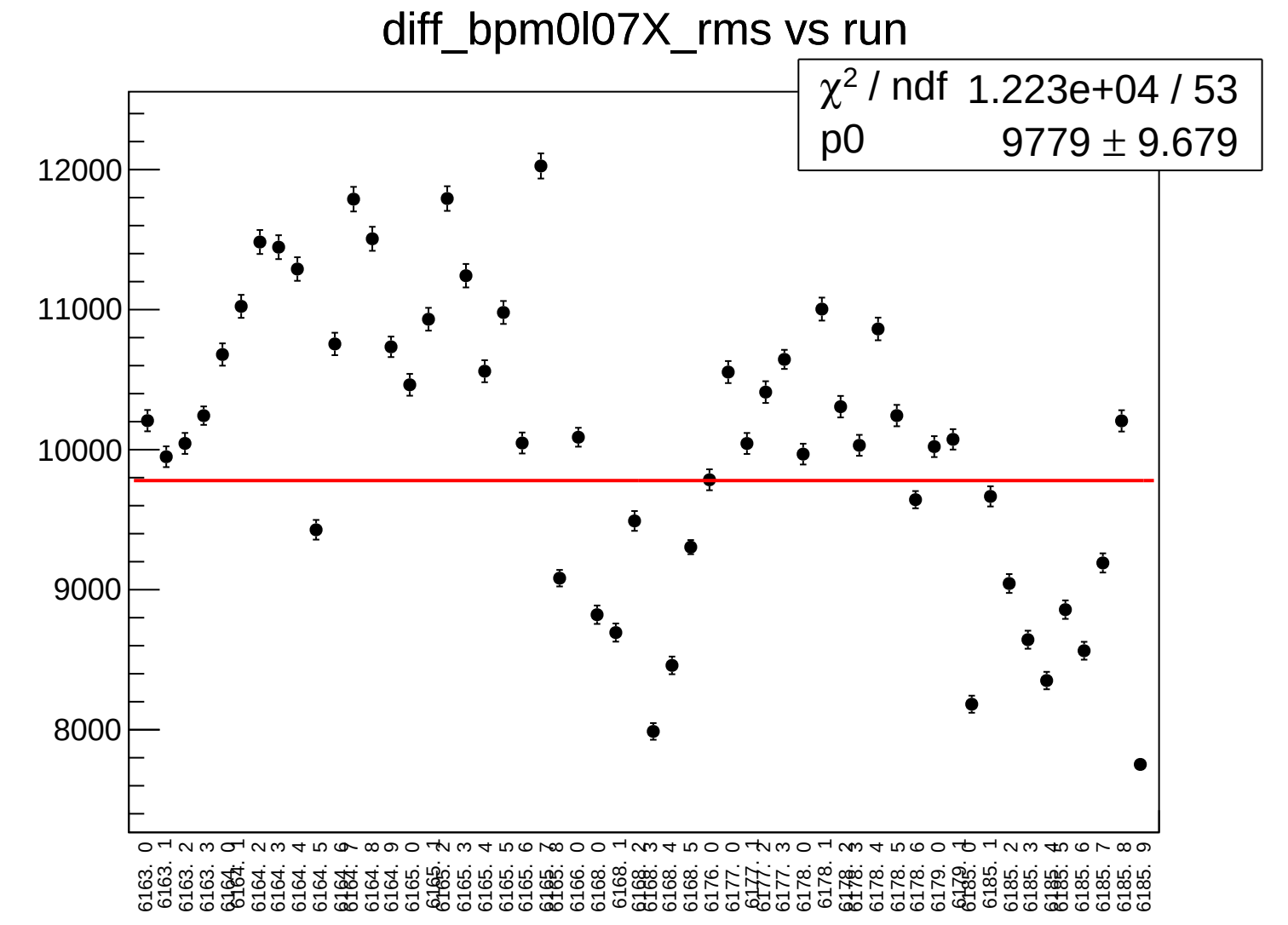

diff_bpm0l06Y_mean vs run
χ² / ndf 49.7 / 53
p0 −1.967 ± 1.722
pull
Entries 54
Mean 18.26
Std Dev 0

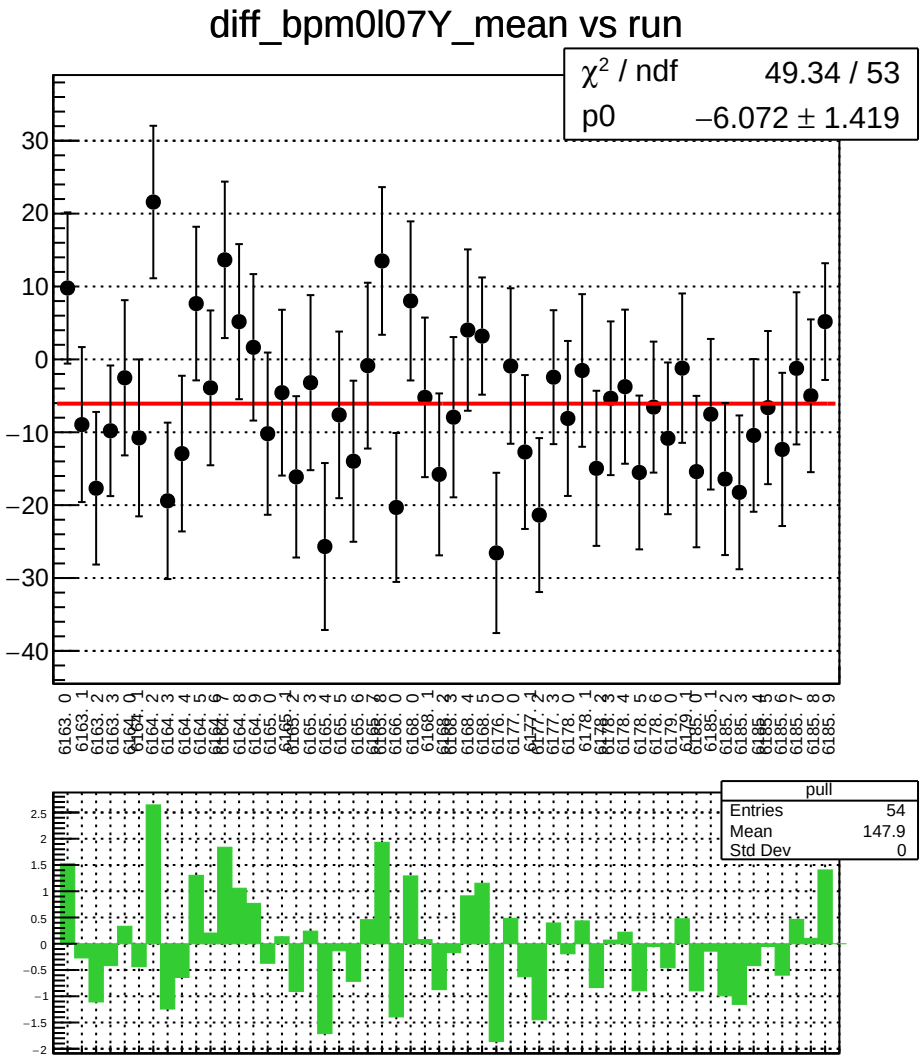

pull1D
Entries 54
Mean 0.00924
Std Dev 0.9593

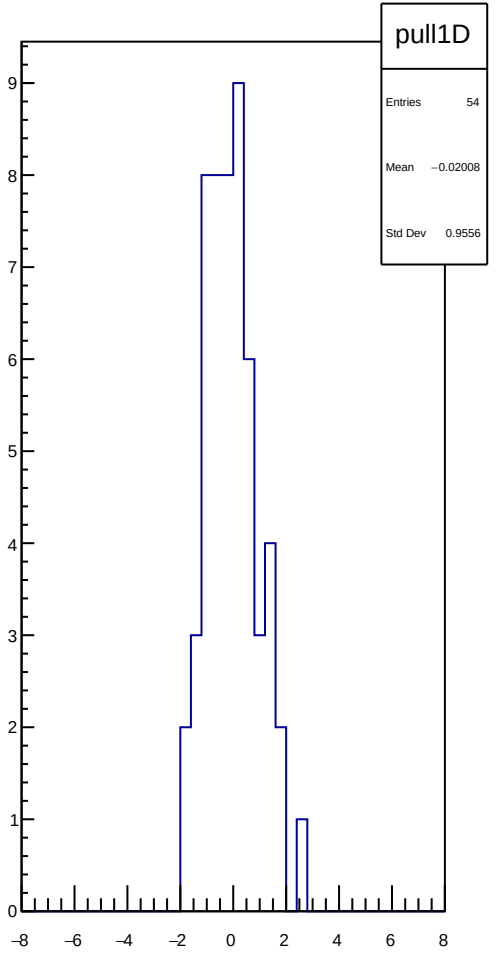

diff_bpm0l06Y_rms vs run
χ² / ndf 650 / 53
p0 1237 ± 1.217
1340
1320
1300
1280
1260
1240
1220
1200
1180
1160
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

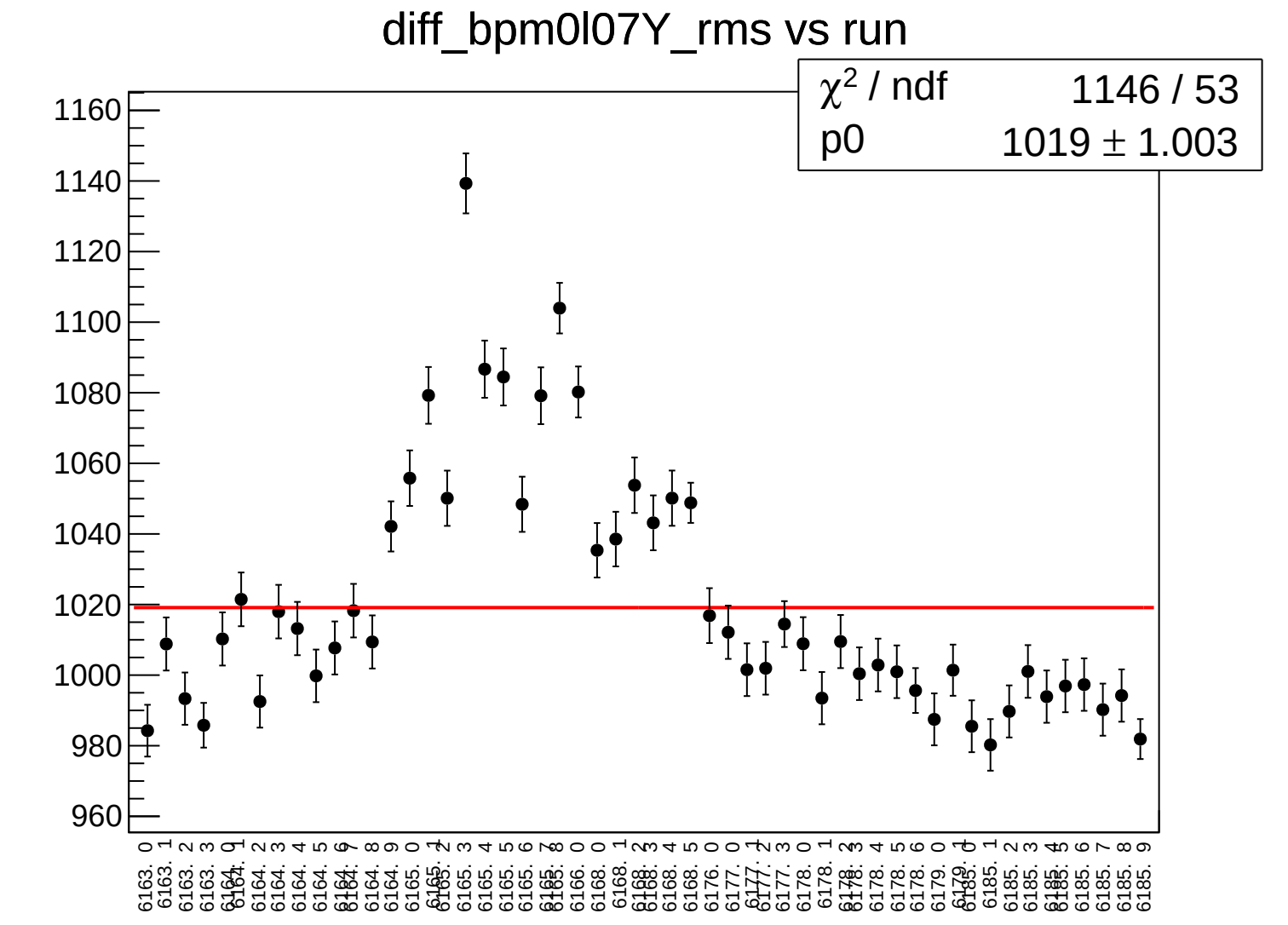

diff_bpm0l07X_mean vs run
χ² / ndf 49.36 / 53
p0 15.76 ± 13.69
pull
Entries 54
Mean 134.7
Std Dev 0

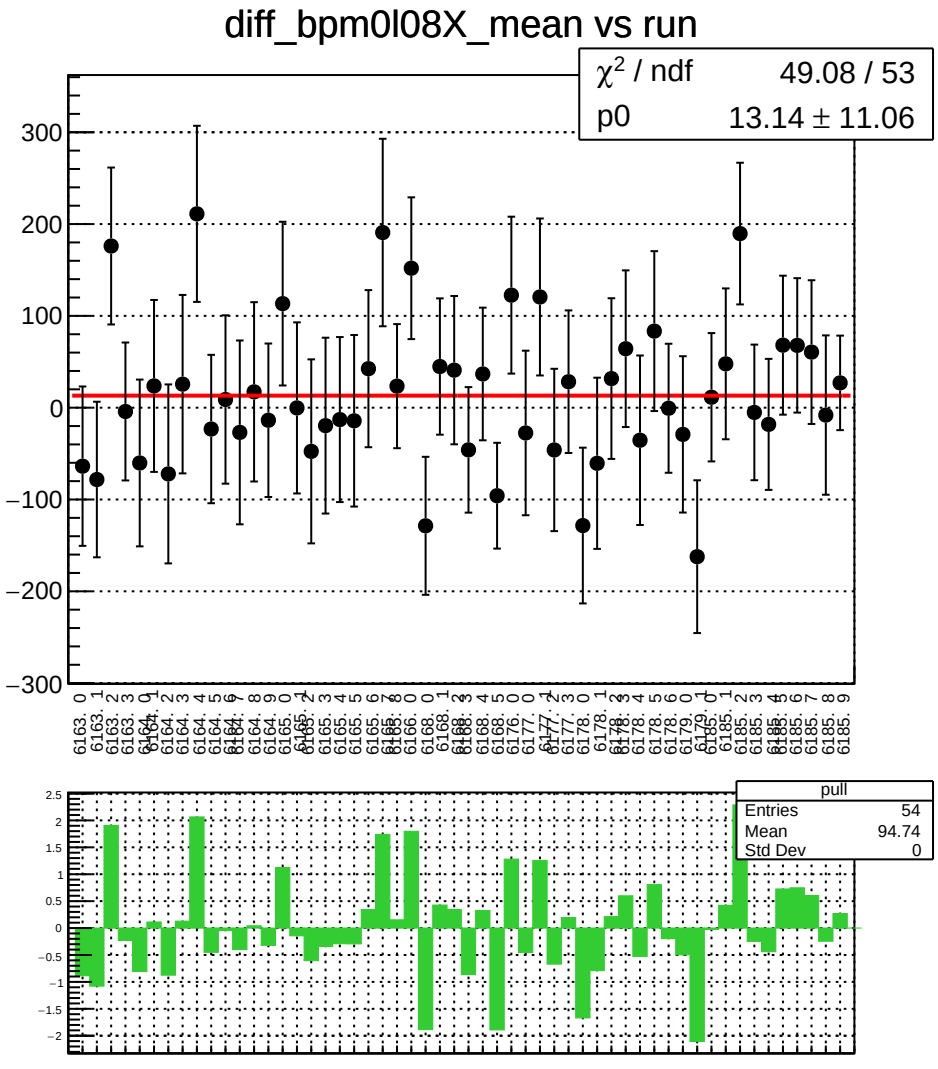

pull1D
Entries 54
Mean 0.008566
Std Dev 0.956

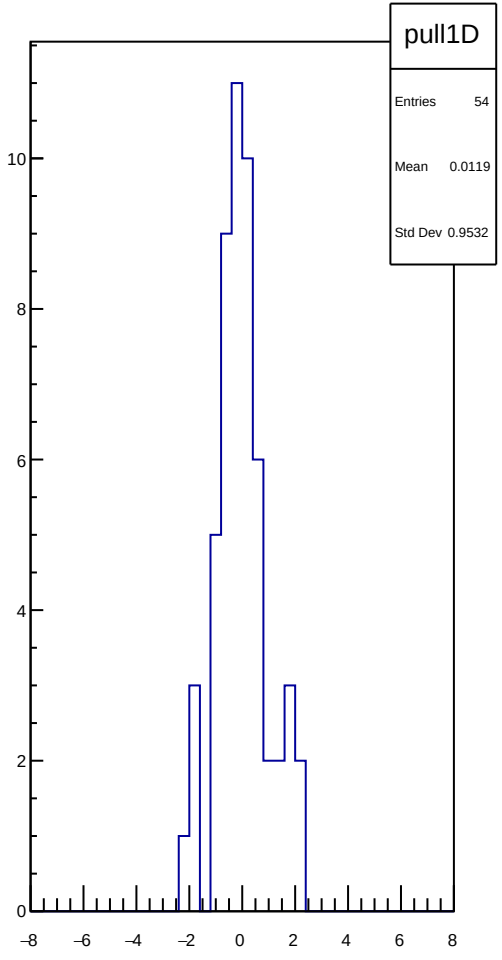

diff_bpm0l07X_rms vs run
χ² / ndf 1.223e+04 / 53
p0 9779 ± 9.679
12000
11000
10000
9000
8000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

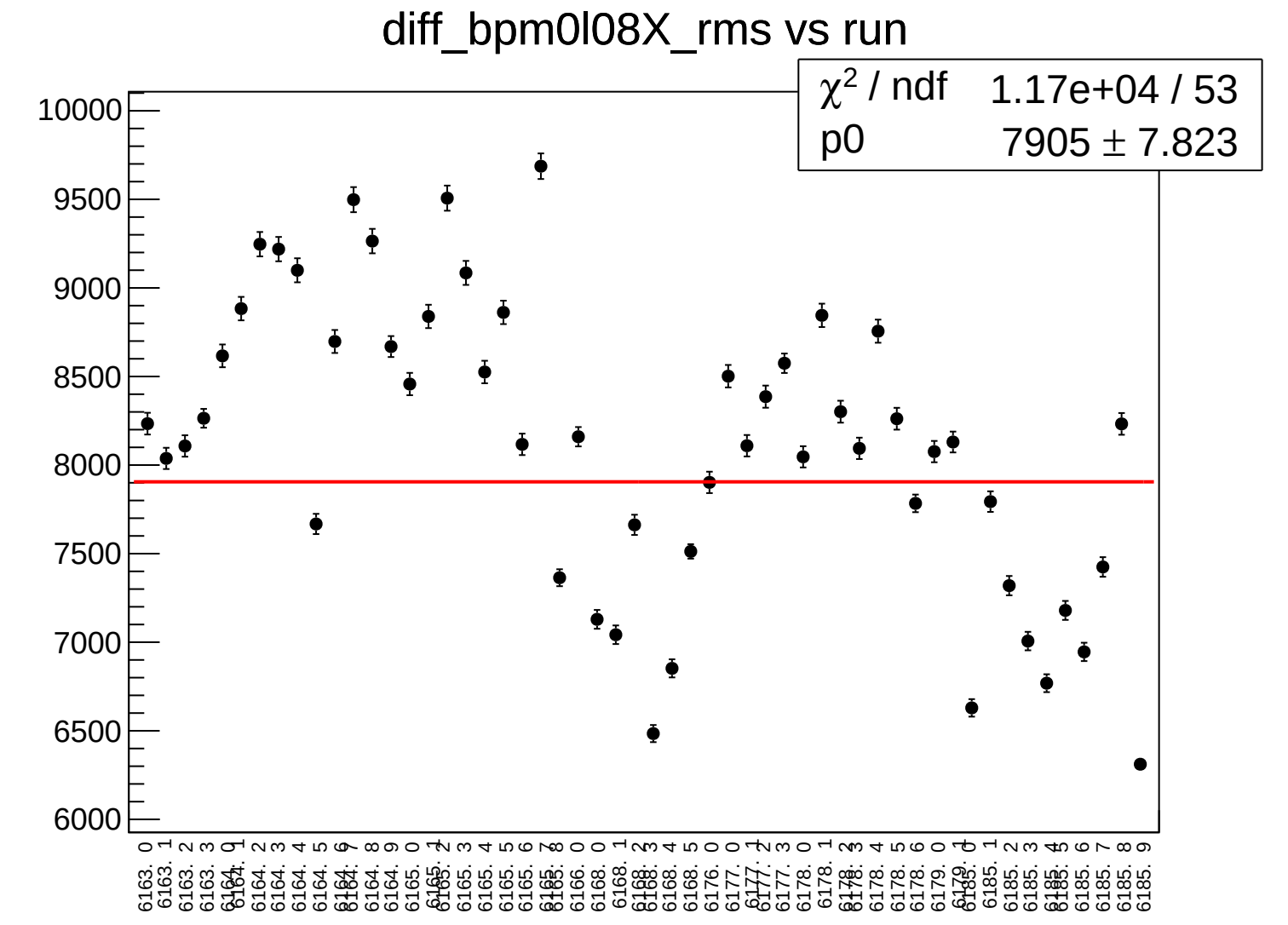

diff_bpm0l07Y_mean vs run
χ² / ndf 49.34 / 53
p0 −6.072 ± 1.419
pull
Entries 54
Mean 147.9
Std Dev 0

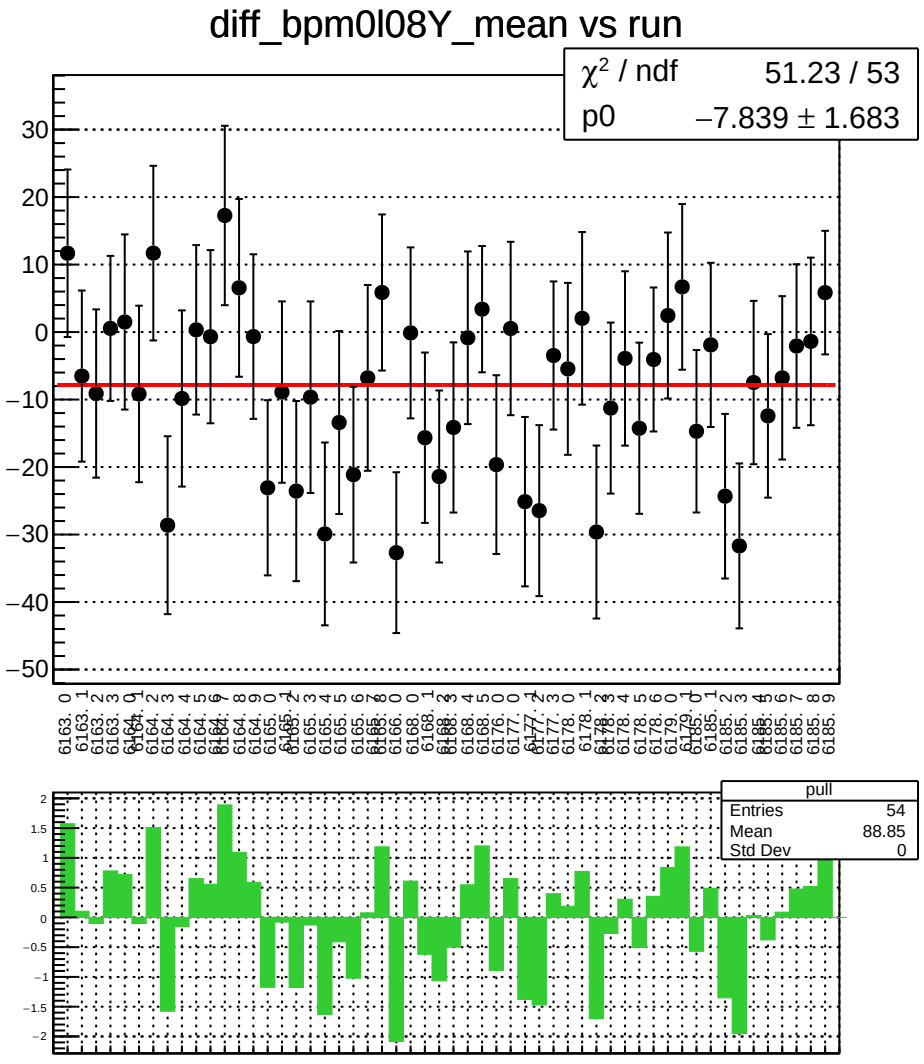

pull1D
Entries 54
Mean −0.02008
Std Dev 0.9556

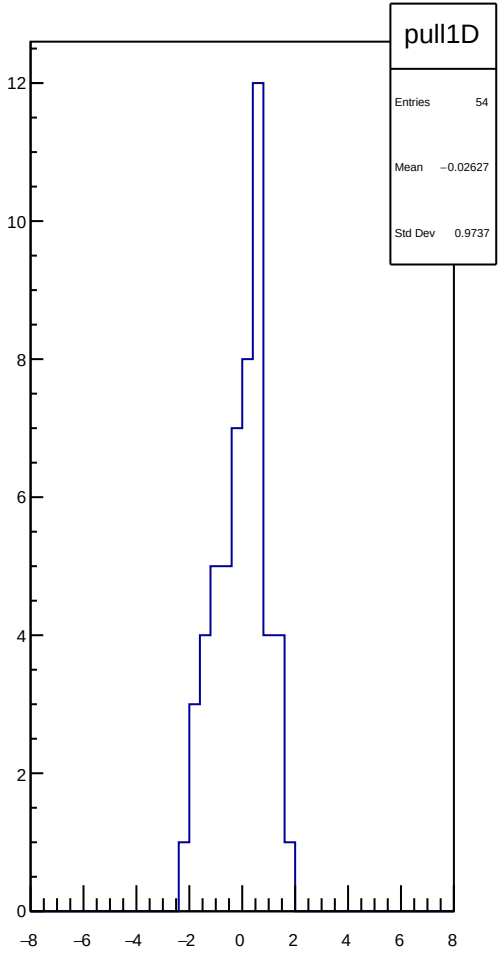

diff_bpm0l07Y_rms vs run
χ² / ndf 1146 / 53
p0 1019 ± 1.003
1160
1140
1120
1100
1080
1060
1040
1020
1000
980
960
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

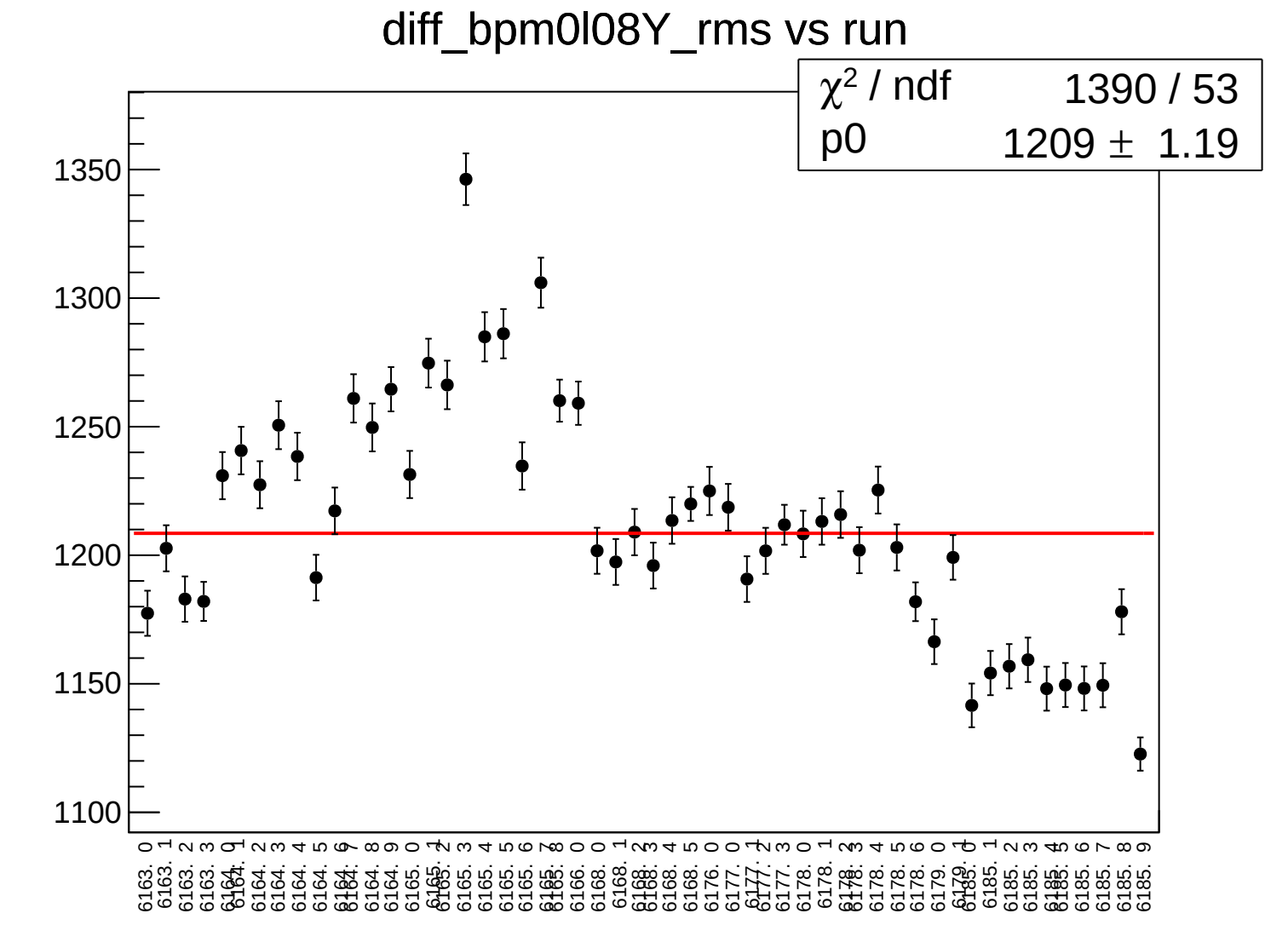

diff_bpm0l08X_mean vs run
χ² / ndf 49.08 / 53
p0 13.14 ± 11.06
pull
Entries 54
Mean 94.74
Std Dev 0

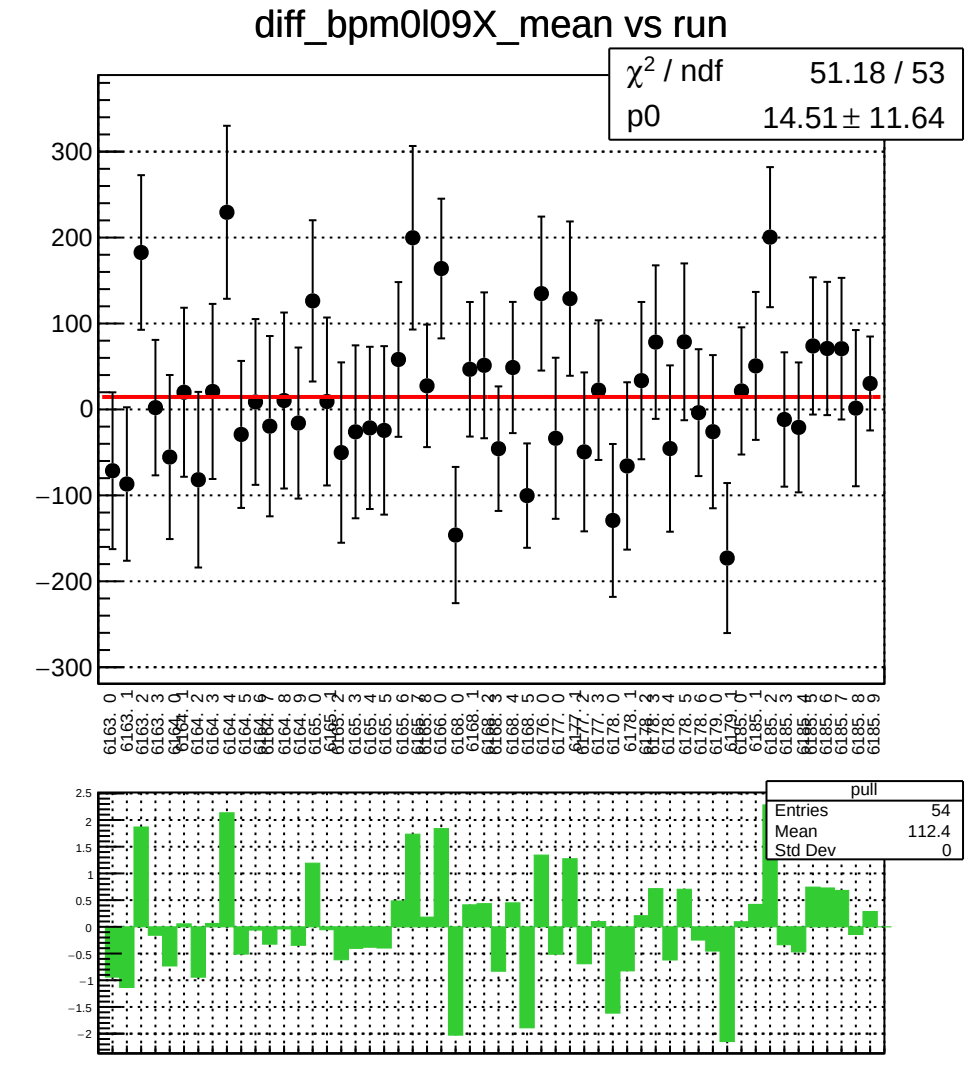

pull1D
Entries 54
Mean 0.0119
Std Dev 0.9532

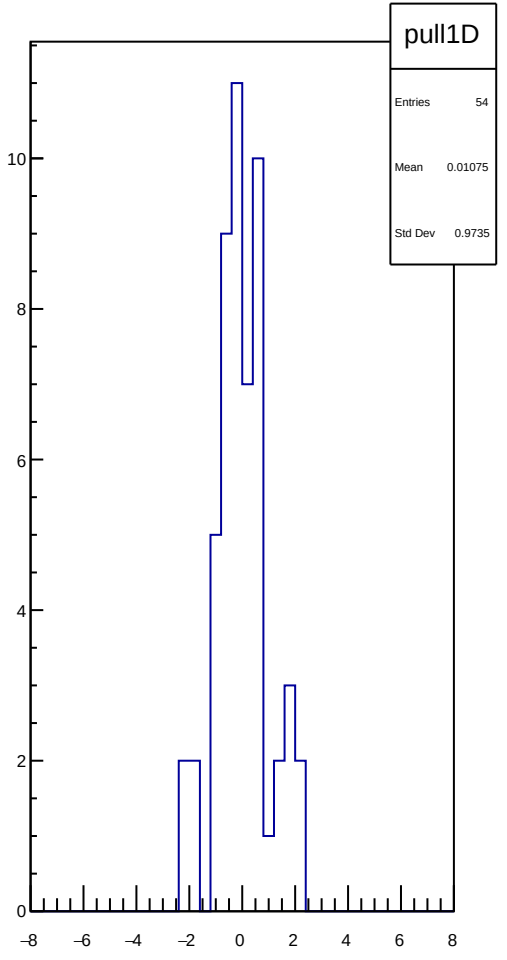

diff_bpm0l08X_rms vs run
χ² / ndf 1.17e+04 / 53
p0 7905 ± 7.823
10000
9500
9000
8500
8000
7500
7000
6500
6000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

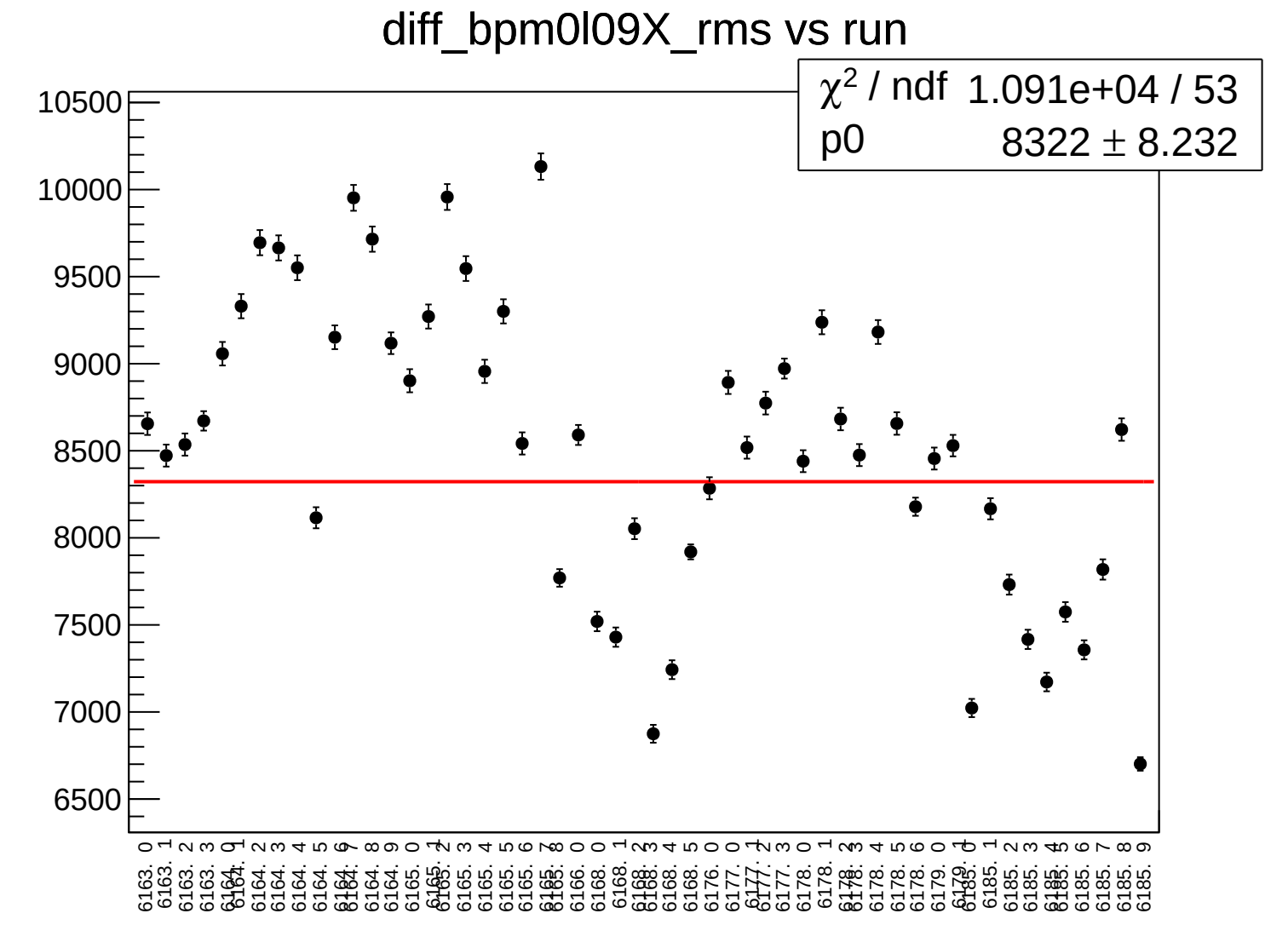

diff_bpm0l08Y_mean vs run
χ² / ndf 51.23 / 53
p0 −7.839 ± 1.683
pull
Entries 54
Mean 88.85
Std Dev 0

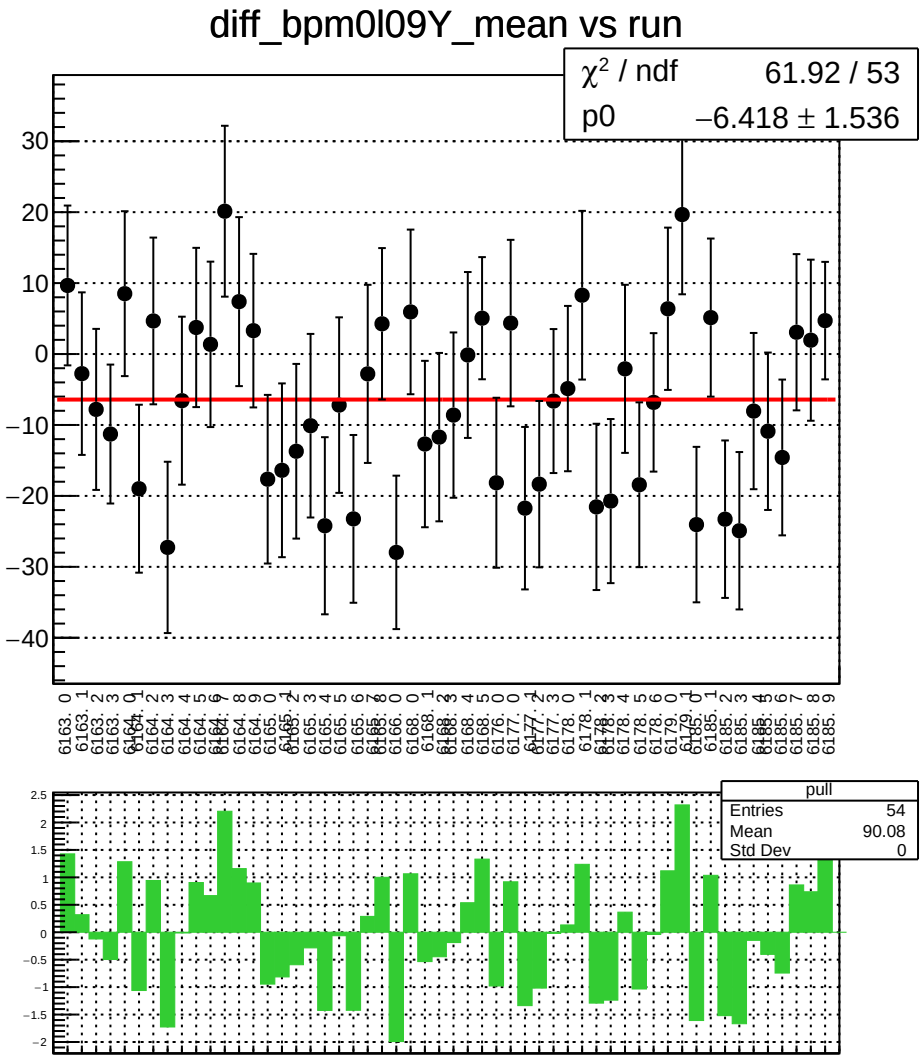

pull1D
Entries 54
Mean −0.02627
Std Dev 0.9737

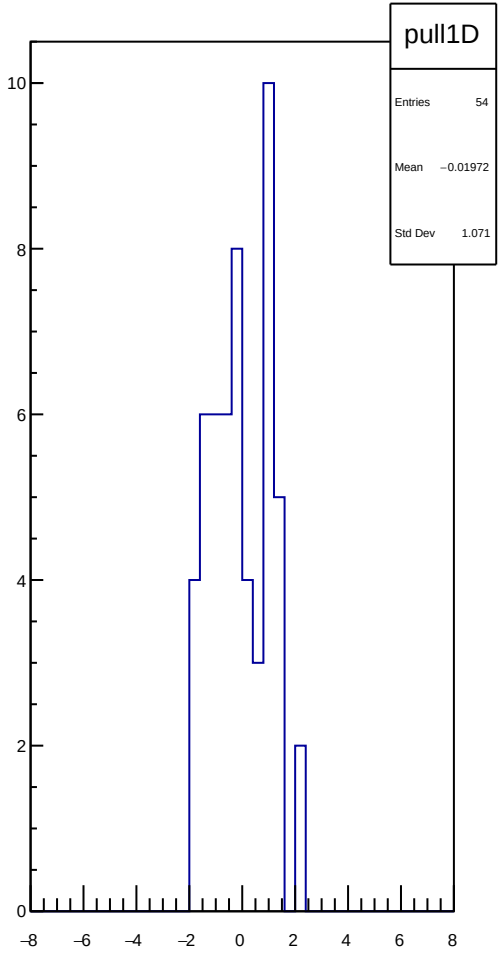

diff_bpm0l08Y_rms vs run
χ² / ndf 1390 / 53
p0 1209 ± 1.19
1350
1300
1250
1200
1150
1100
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

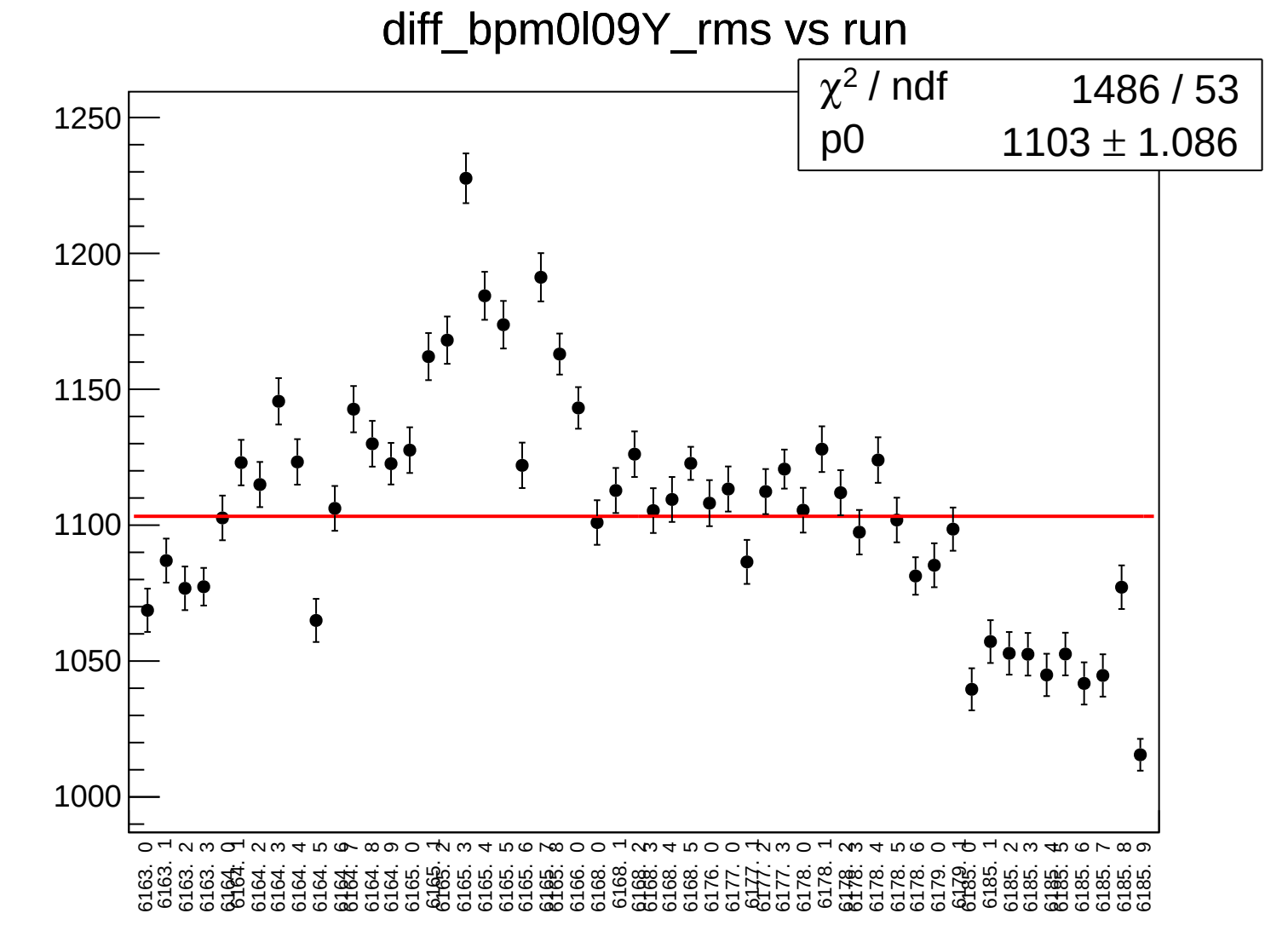

diff_bpm0l09X_mean vs run
χ² / ndf 51.18 / 53
p0 14.51 ± 11.64
pull
Entries 54
Mean 112.4
Std Dev 0

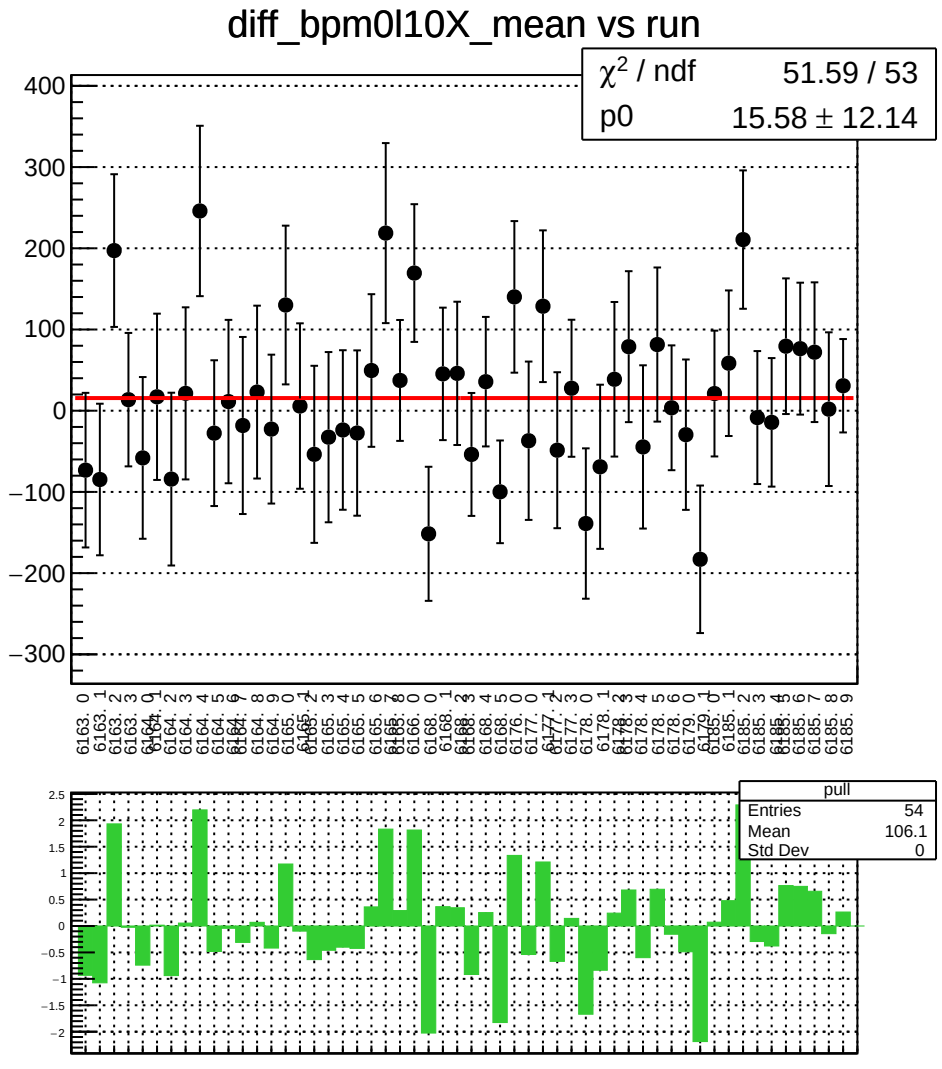

pull1D
Entries 54
Mean 0.01075
Std Dev 0.9735

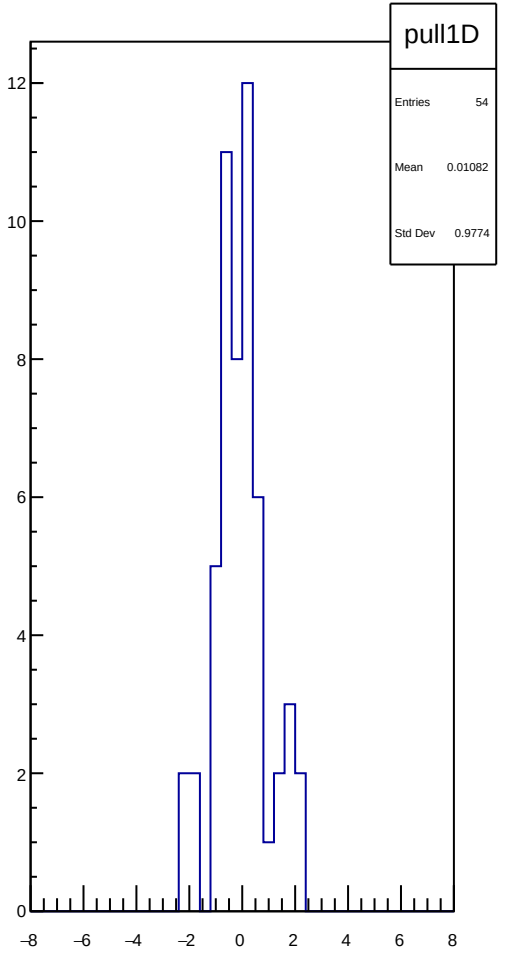

diff_bpm0l09X_rms vs run
χ² / ndf 1.091e+04 / 53
p0 8322 ± 8.232
10500
10000
9500
9000
8500
8000
7500
7000
6500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

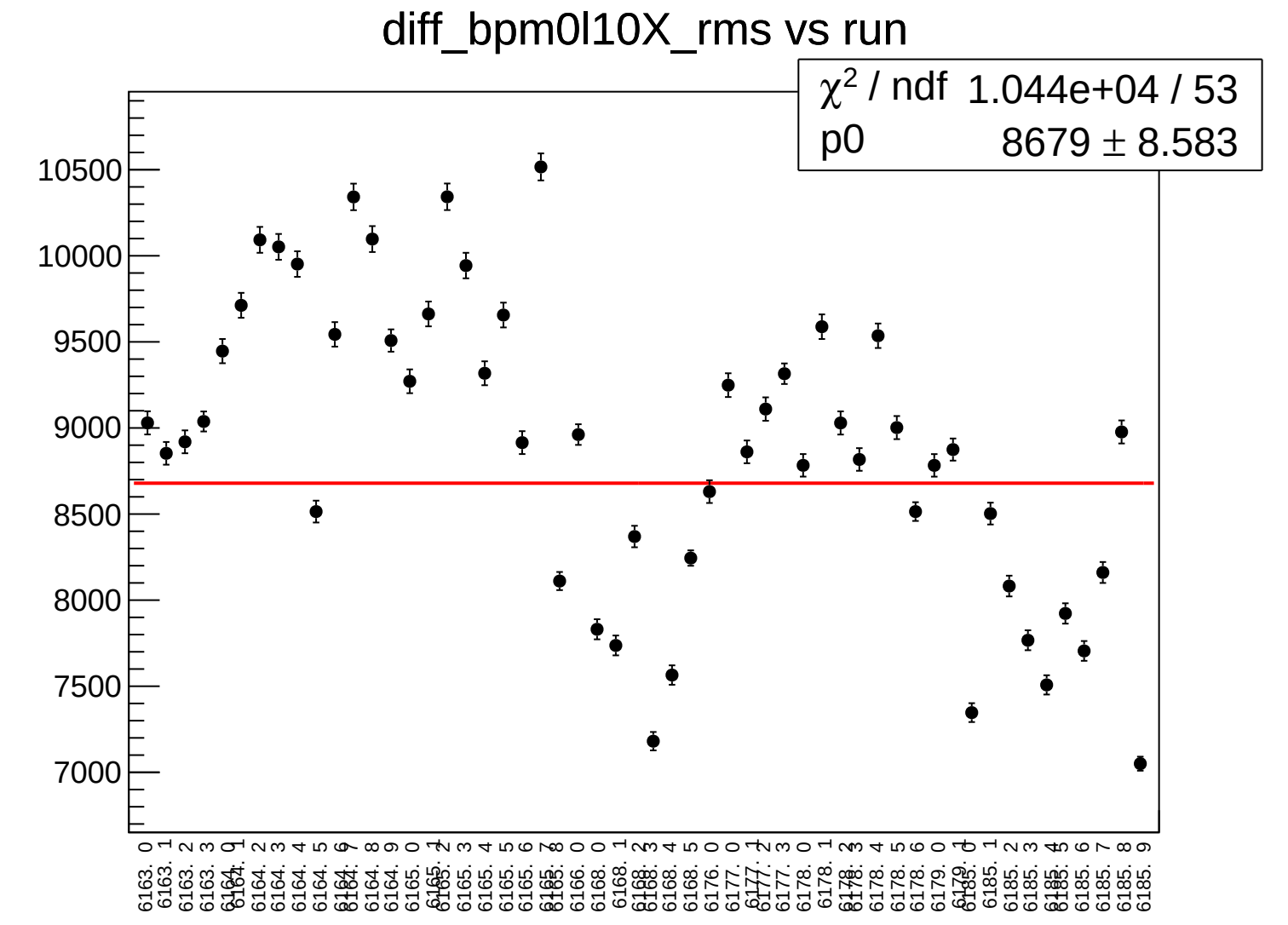

diff_bpm0l09Y_mean vs run
χ² / ndf 61.92 / 53
p0 −6.418 ± 1.536
pull
Entries 54
Mean 90.08
Std Dev 0

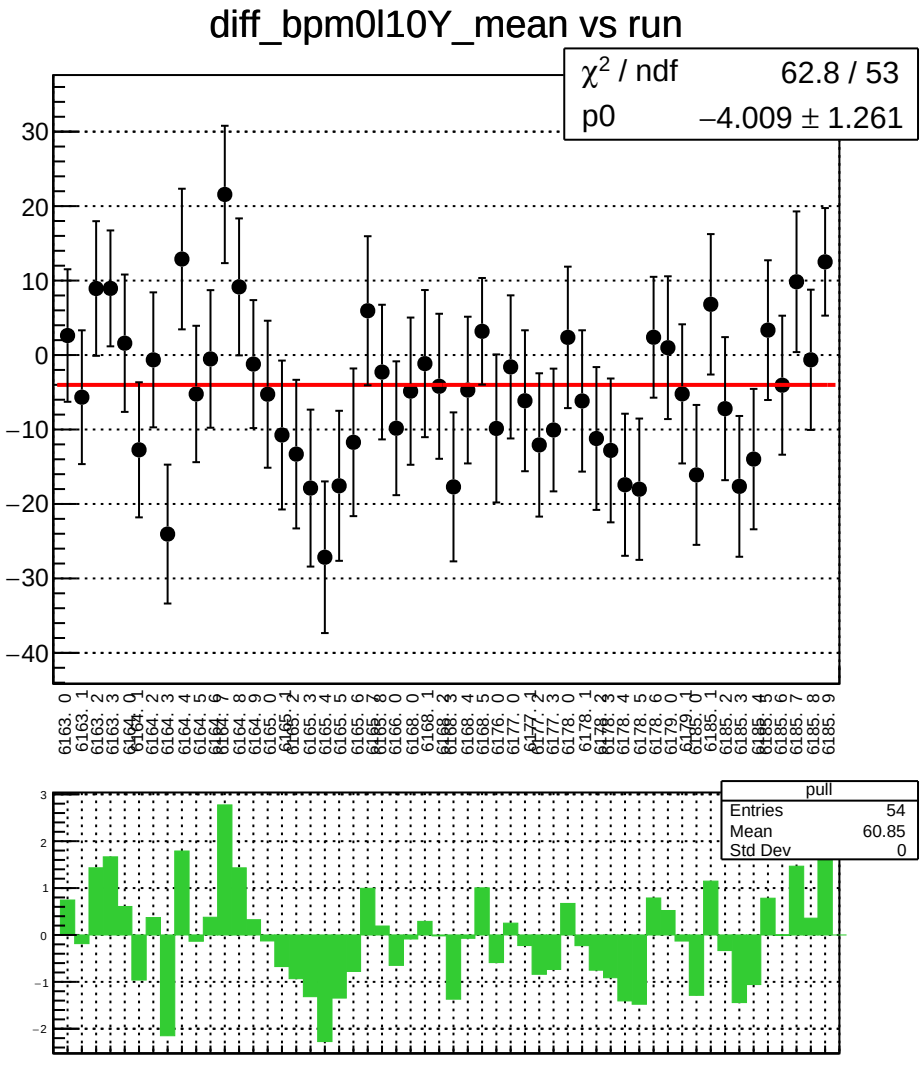

pull1D
Entries 54
Mean −0.01972
Std Dev 1.071

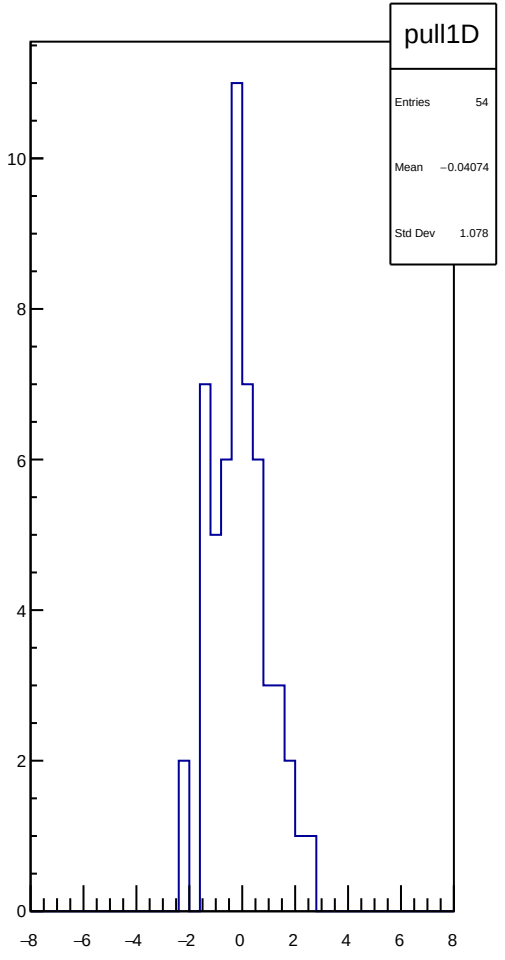

diff_bpm0l09Y_rms vs run
χ² / ndf 1486 / 53
p0 1103 ± 1.086
1250
1200
1150
1100
1050
1000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

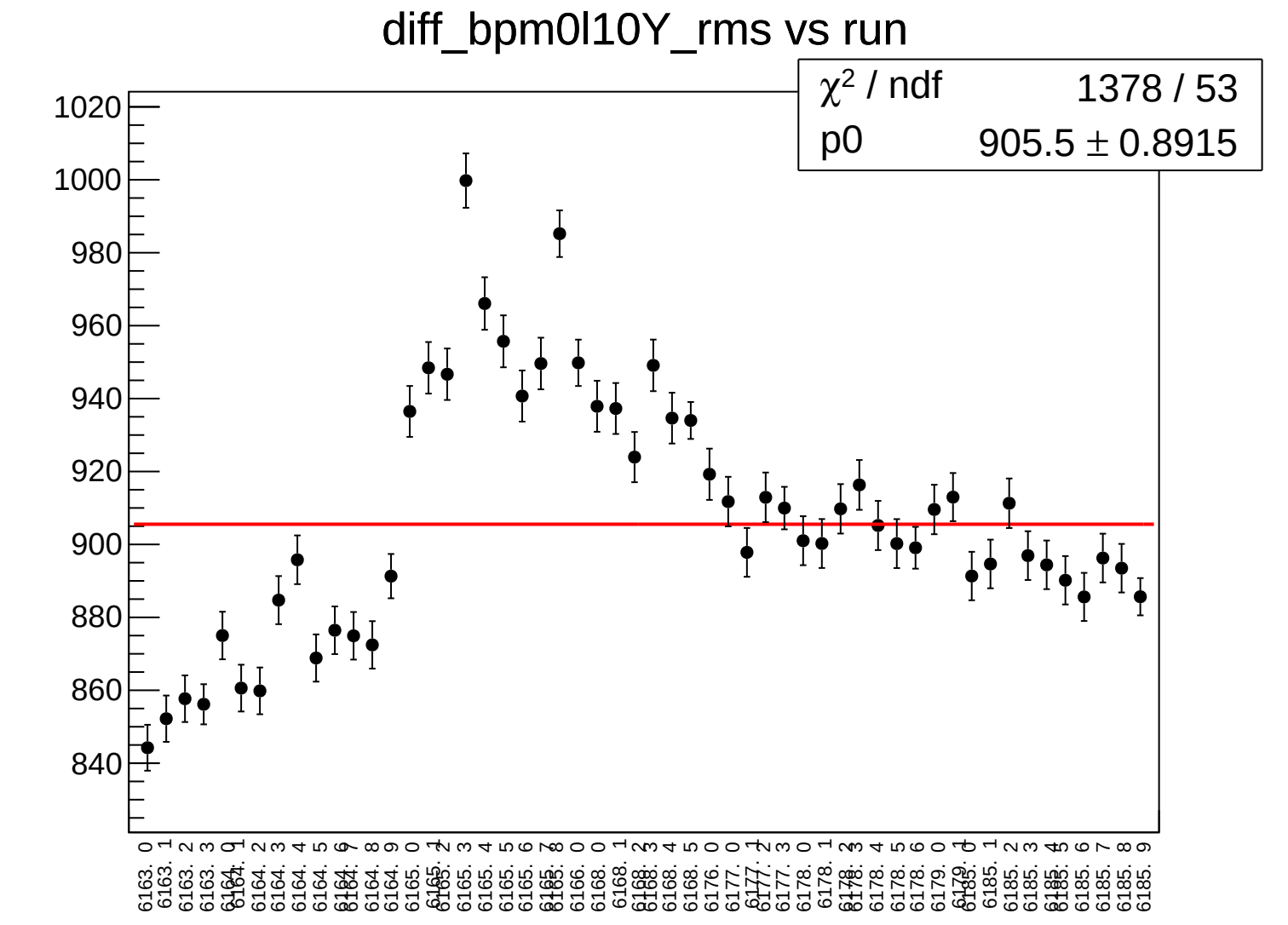

diff_bpm0l10X_mean vs run
χ² / ndf 51.59 / 53
p0 15.58 ± 12.14
pull
Entries 54
Mean 106.1
Std Dev 0

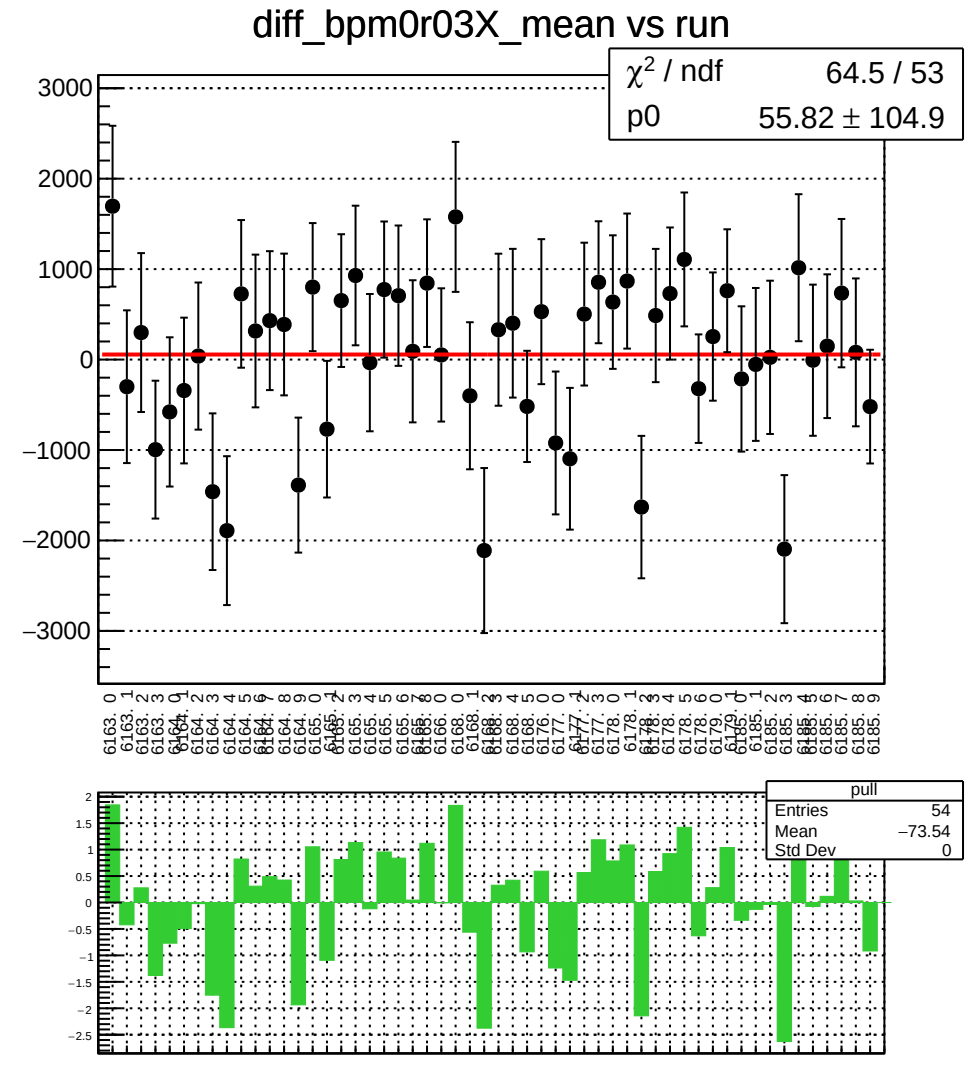

pull1D
Entries 54
Mean 0.01082
Std Dev 0.9774

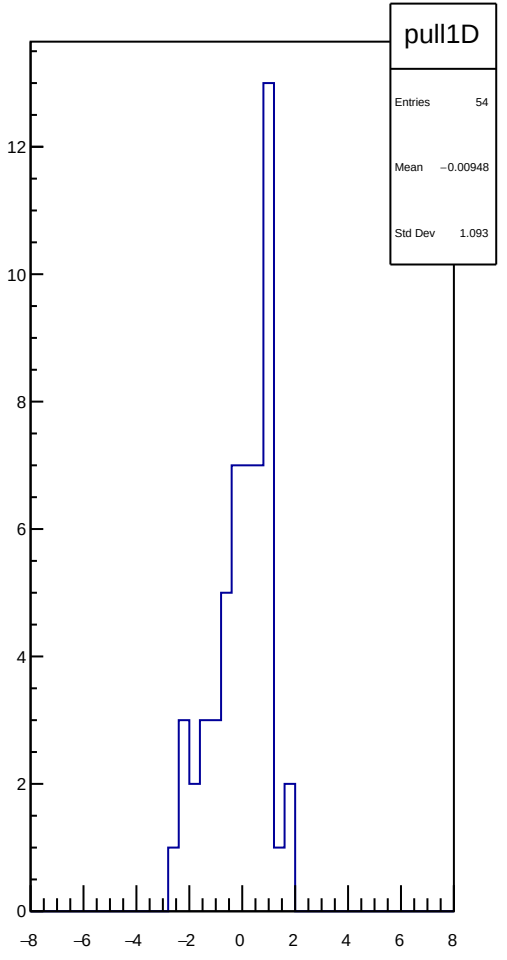

diff_bpm0l10X_rms vs run
χ² / ndf 1.044e+04 / 53
p0 8679 ± 8.583
10500
10000
9500
9000
8500
8000
7500
7000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

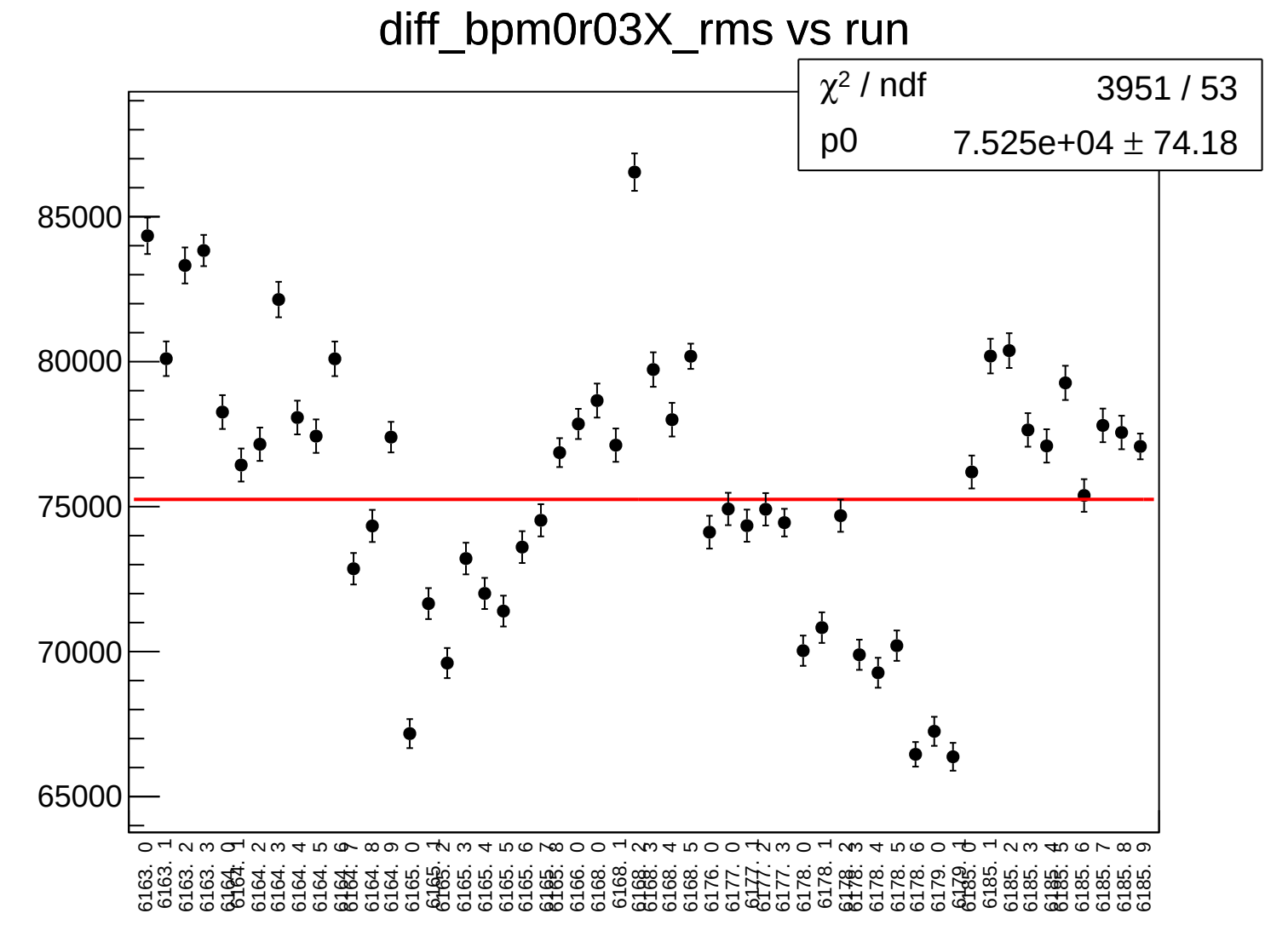

diff_bpm0l10Y_mean vs run
χ² / ndf 62.8 / 53
p0 −4.009 ± 1.261
pull
Entries 54
Mean 60.85
Std Dev 0

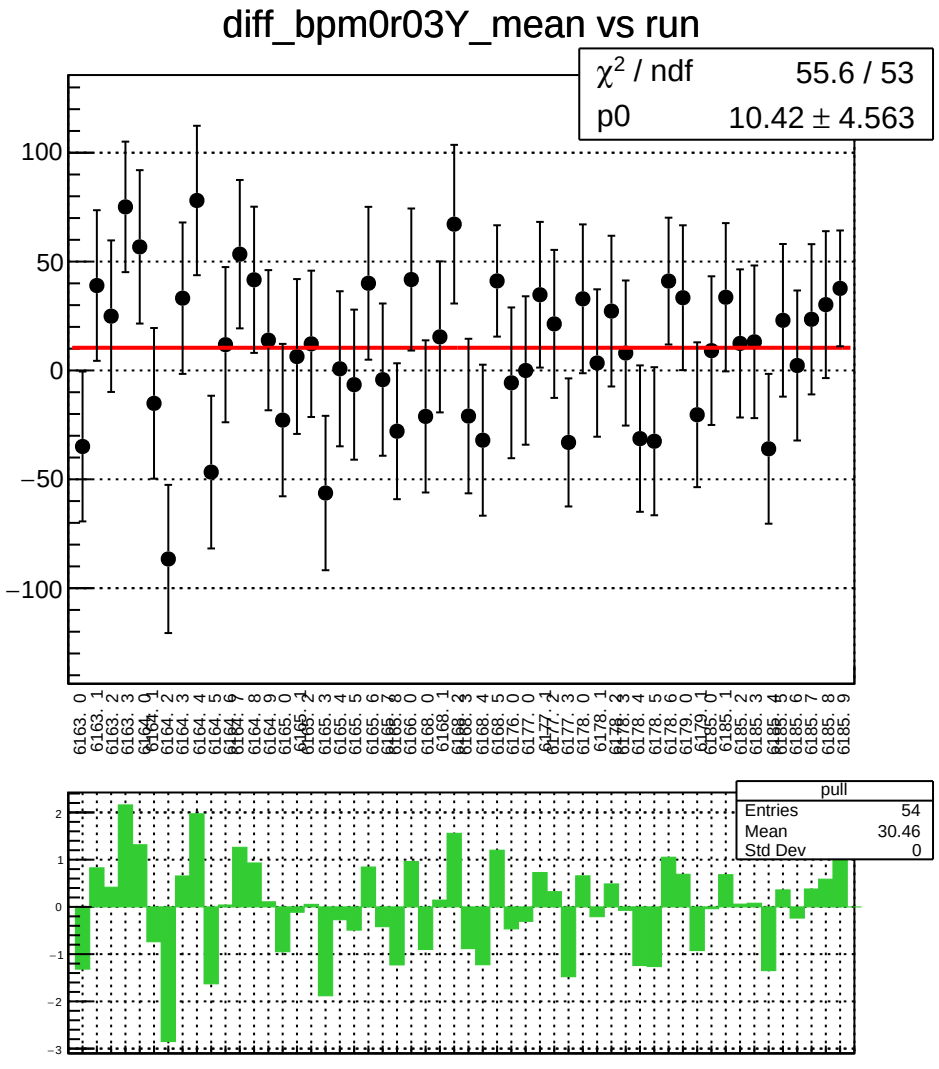

pull1D
Entries 54
Mean −0.04074
Std Dev 1.078

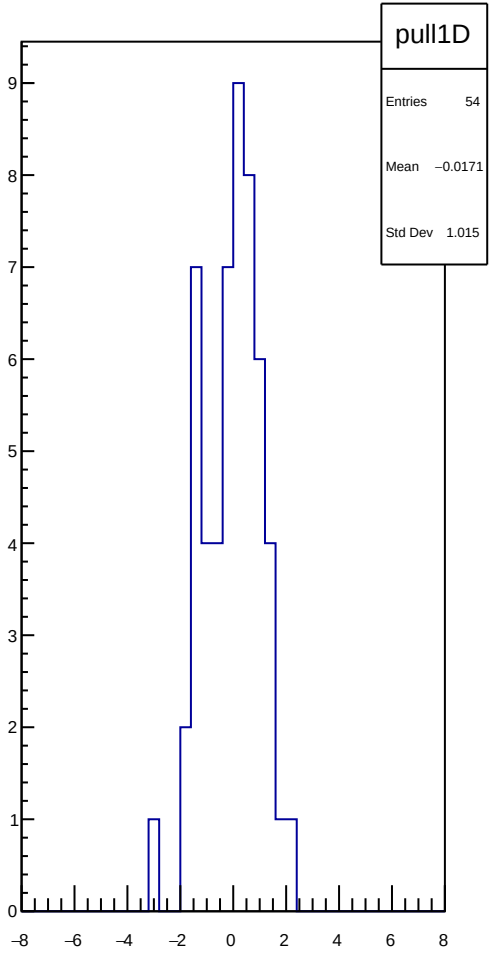

diff_bpm0l10Y_rms vs run
χ² / ndf 1378 / 53
p0 905.5 ± 0.8915
1020
1000
980
960
940
920
900
880
860
840
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

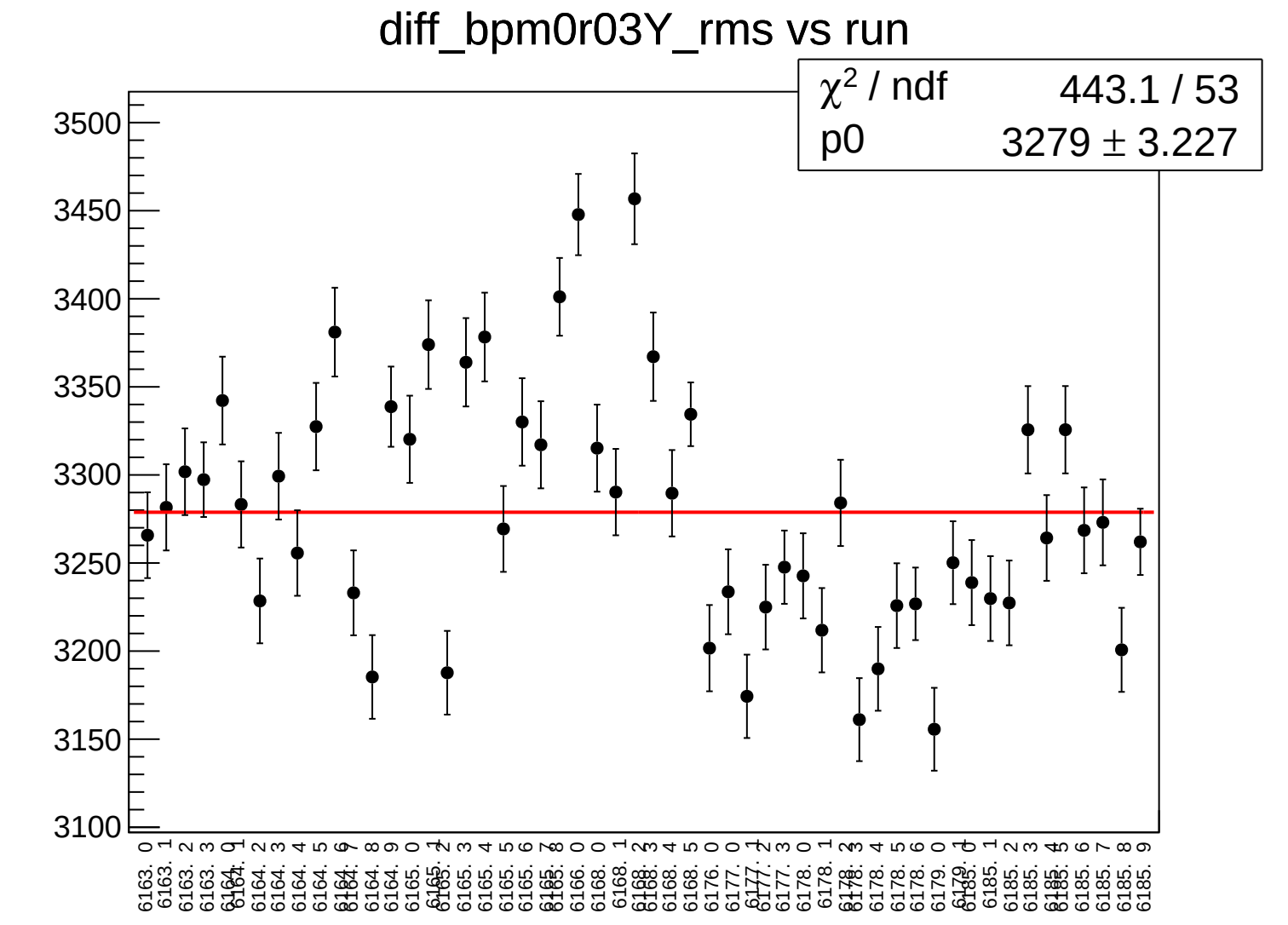

diff_bpm0r03X_mean vs run
χ² / ndf 64.5 / 53
p0 55.82 ± 104.9
pull
Entries 54
Mean −73.54
Std Dev 0

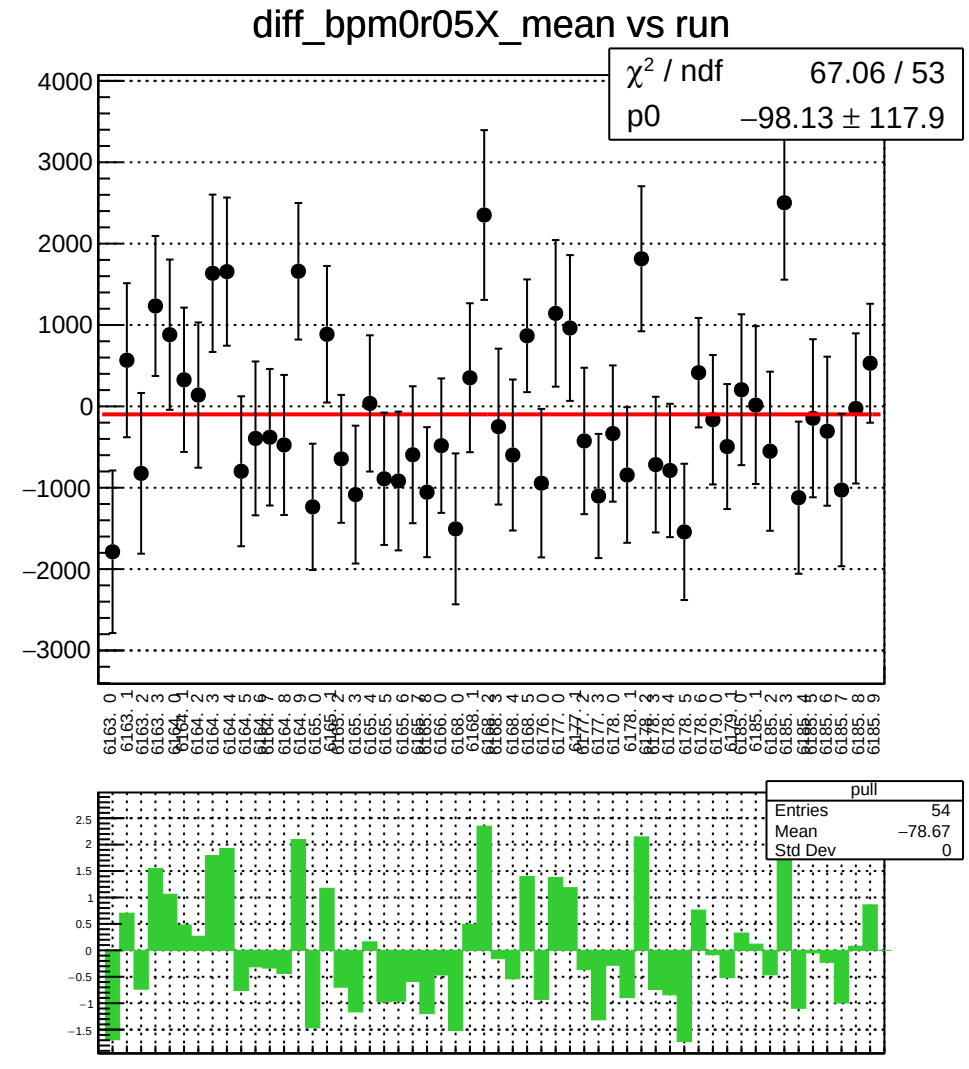

pull1D
Entries 54
Mean −0.00948
Std Dev 1.093

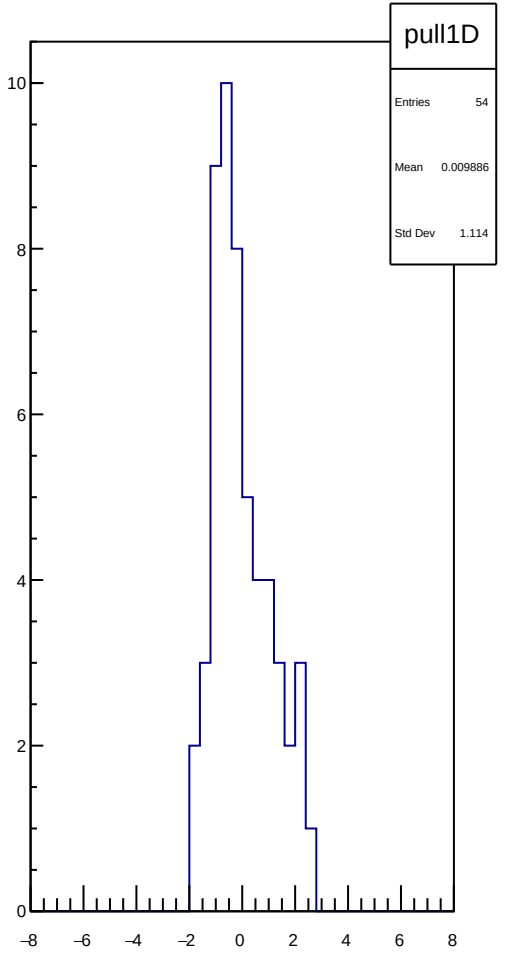

diff_bpm0r03X_rms vs run
χ² / ndf 3951 / 53
p0 7.525e+04 ± 74.18
85000
80000
75000
70000
65000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

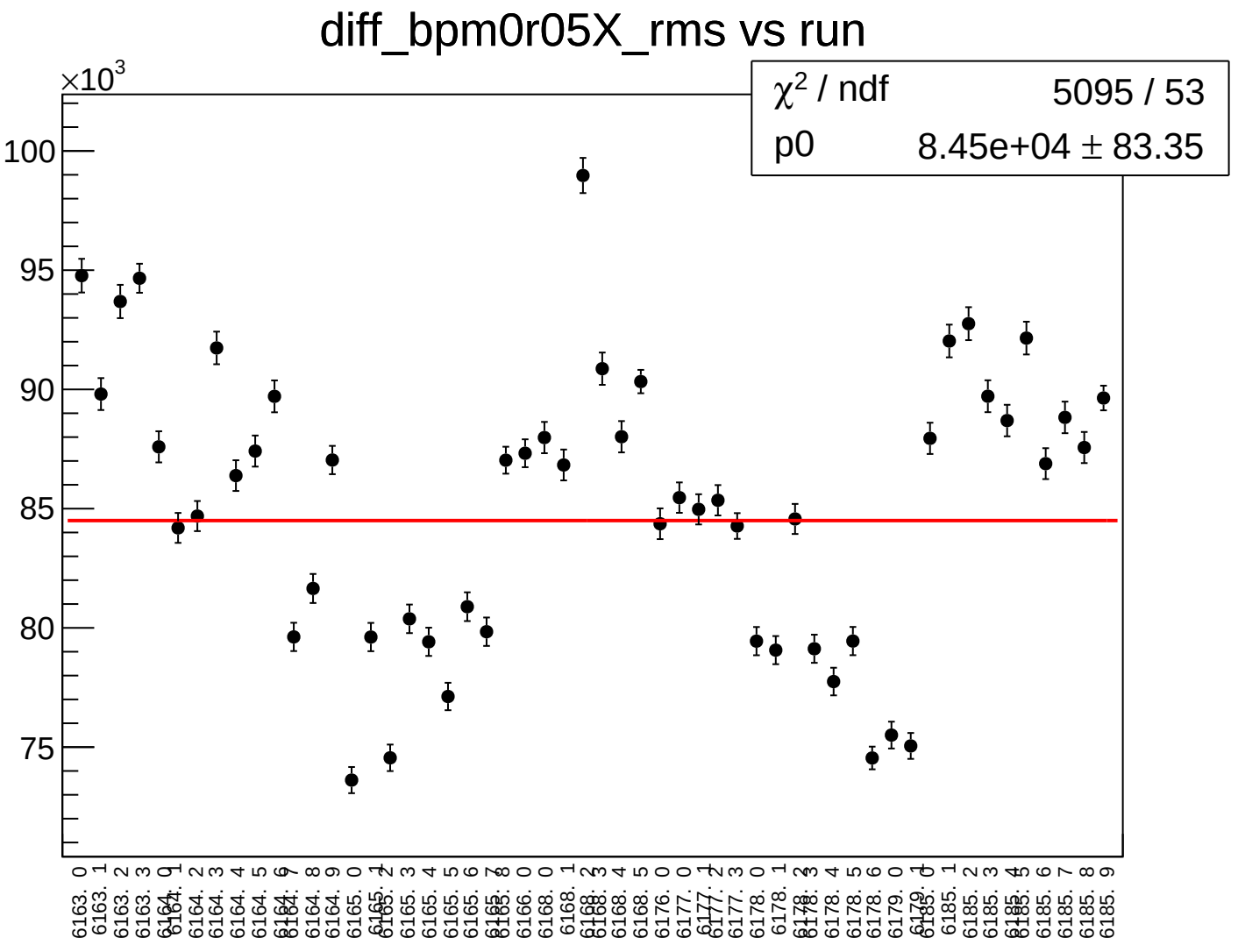

diff_bpm0r03Y_mean vs run
χ^2 / ndf 55.6 / 53
p0 10.42 ± 4.563
pull
Entries 54
Mean 30.46
Std Dev 0

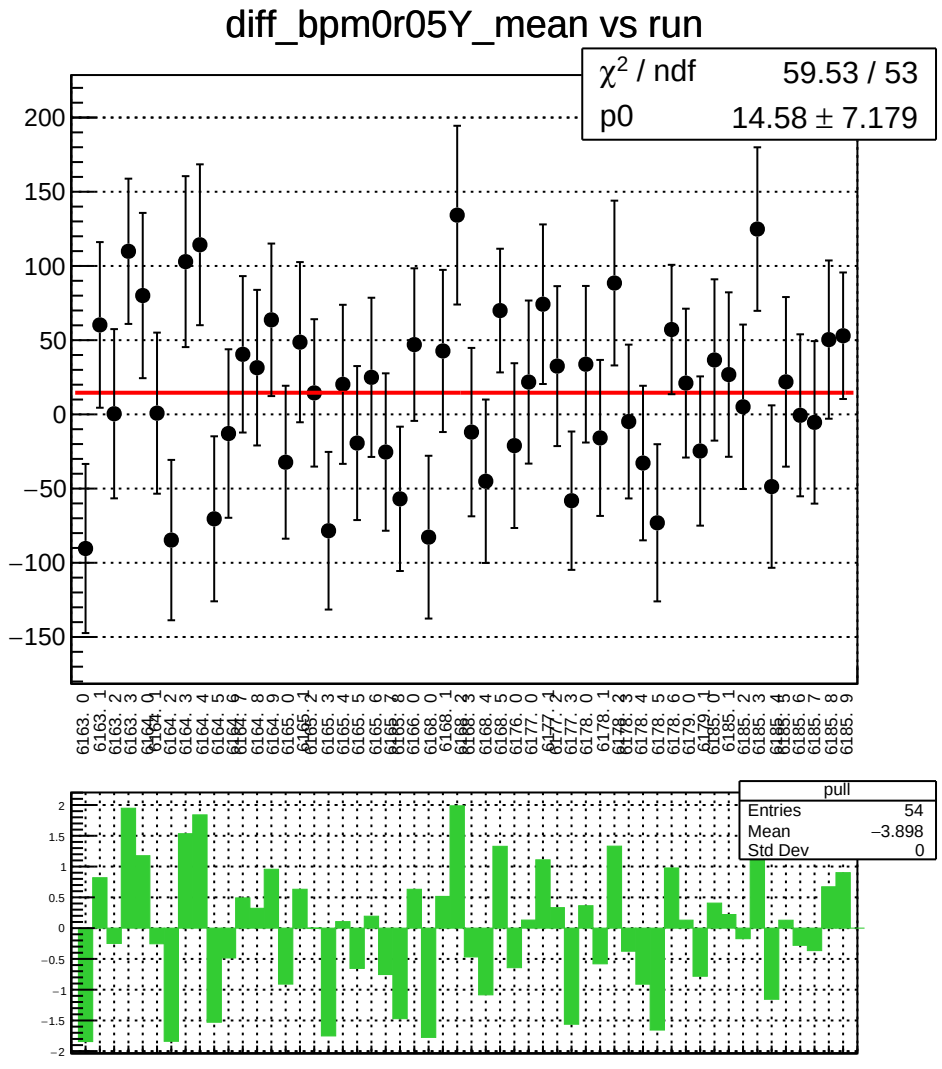

pull1D
Entries 54
Mean −0.0171
Std Dev 1.015

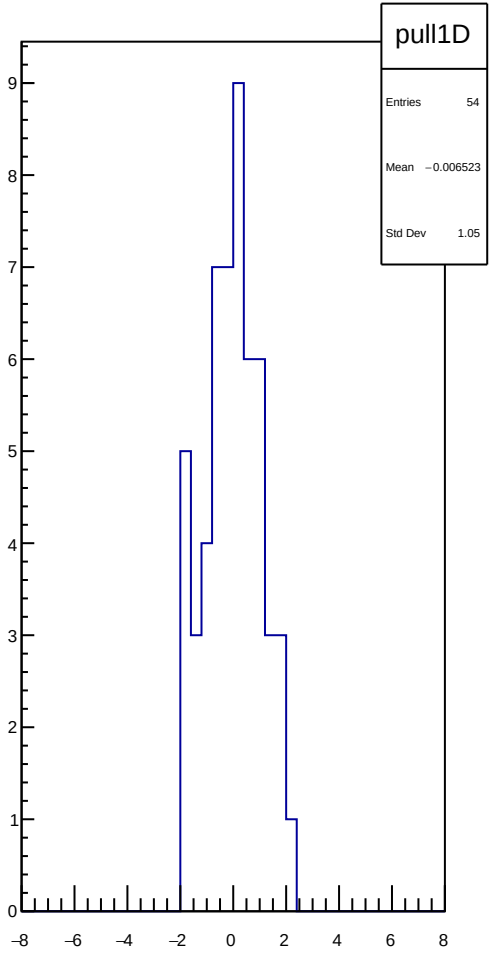

diff_bpm0r03Y_rms vs run
χ² / ndf 443.1 / 53
p0 3279 ± 3.227
3500
3450
3400
3350
3300
3250
3200
3150
3100
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

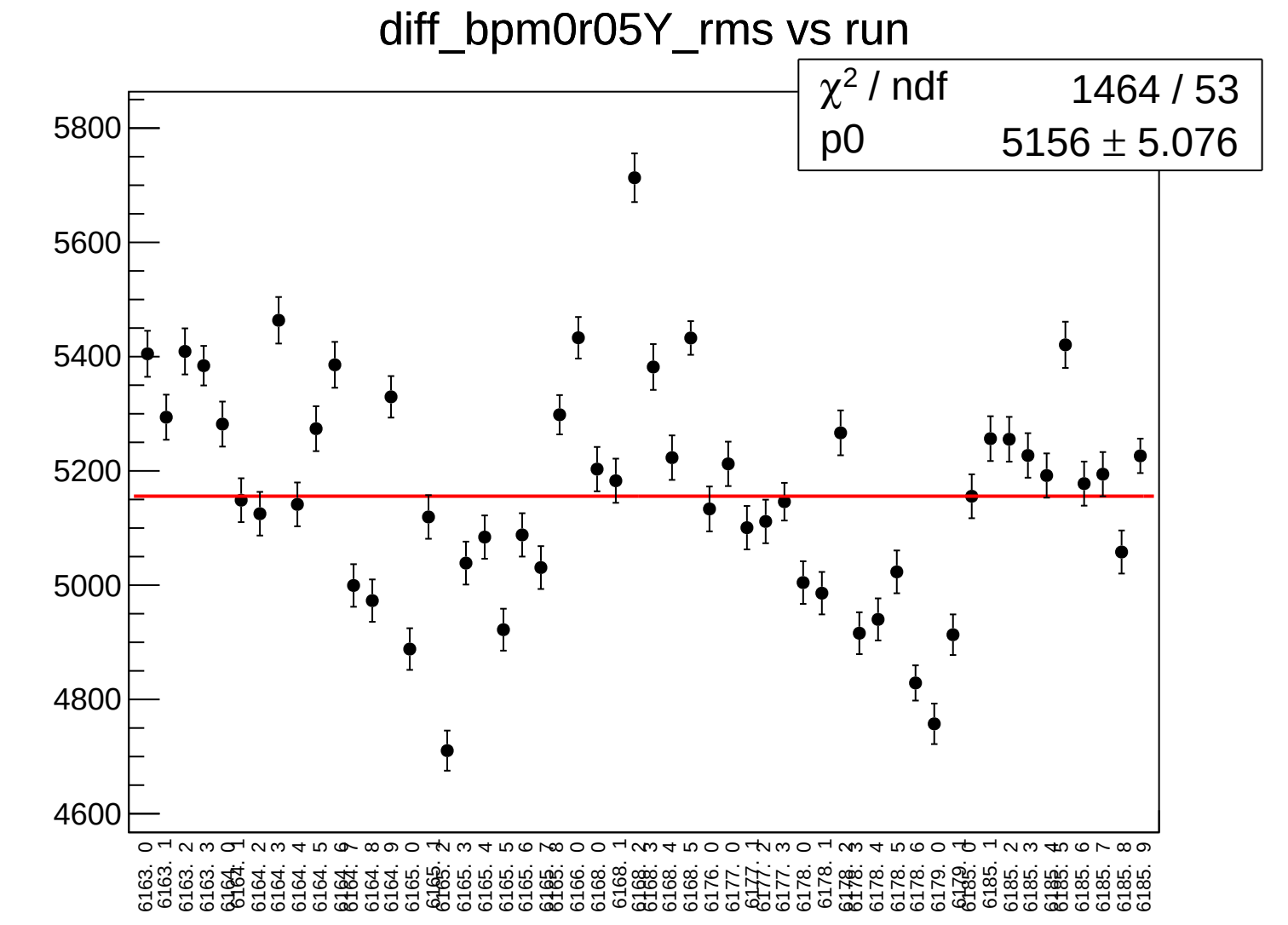

diff_bpm0r05X_mean vs run
χ² / ndf 67.06 / 53
p0 −98.13 ± 117.9
pull
Entries 54
Mean −78.67
Std Dev 0

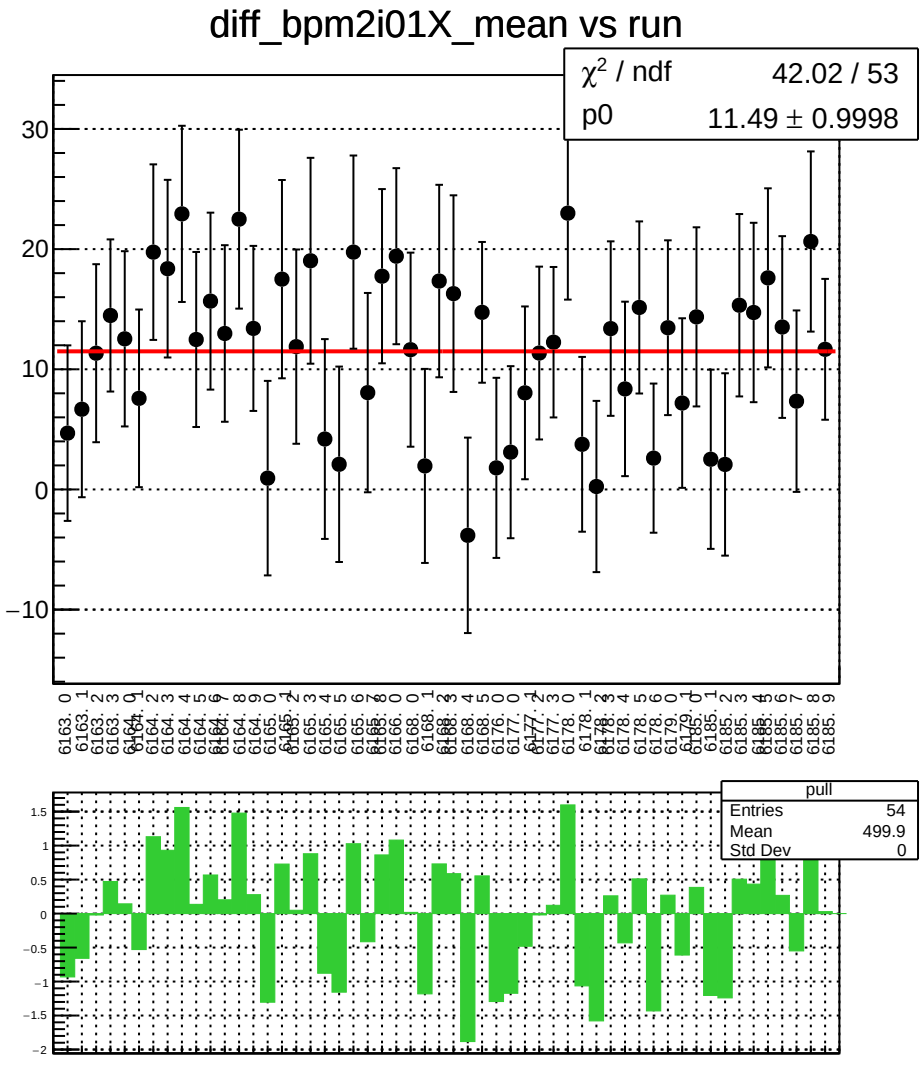

pull1D
Entries 54
Mean 0.009886
Std Dev 1.114

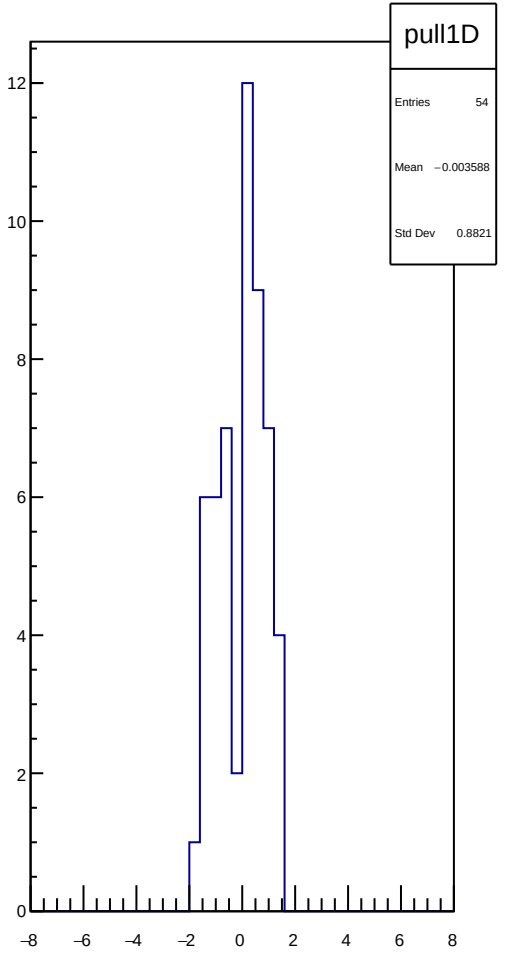

diff_bpm0r05X_rms vs run
×10^3
χ^2 / ndf 5095 / 53
p0 8.45e+04 ± 83.35
100
95
90
85
80
75
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

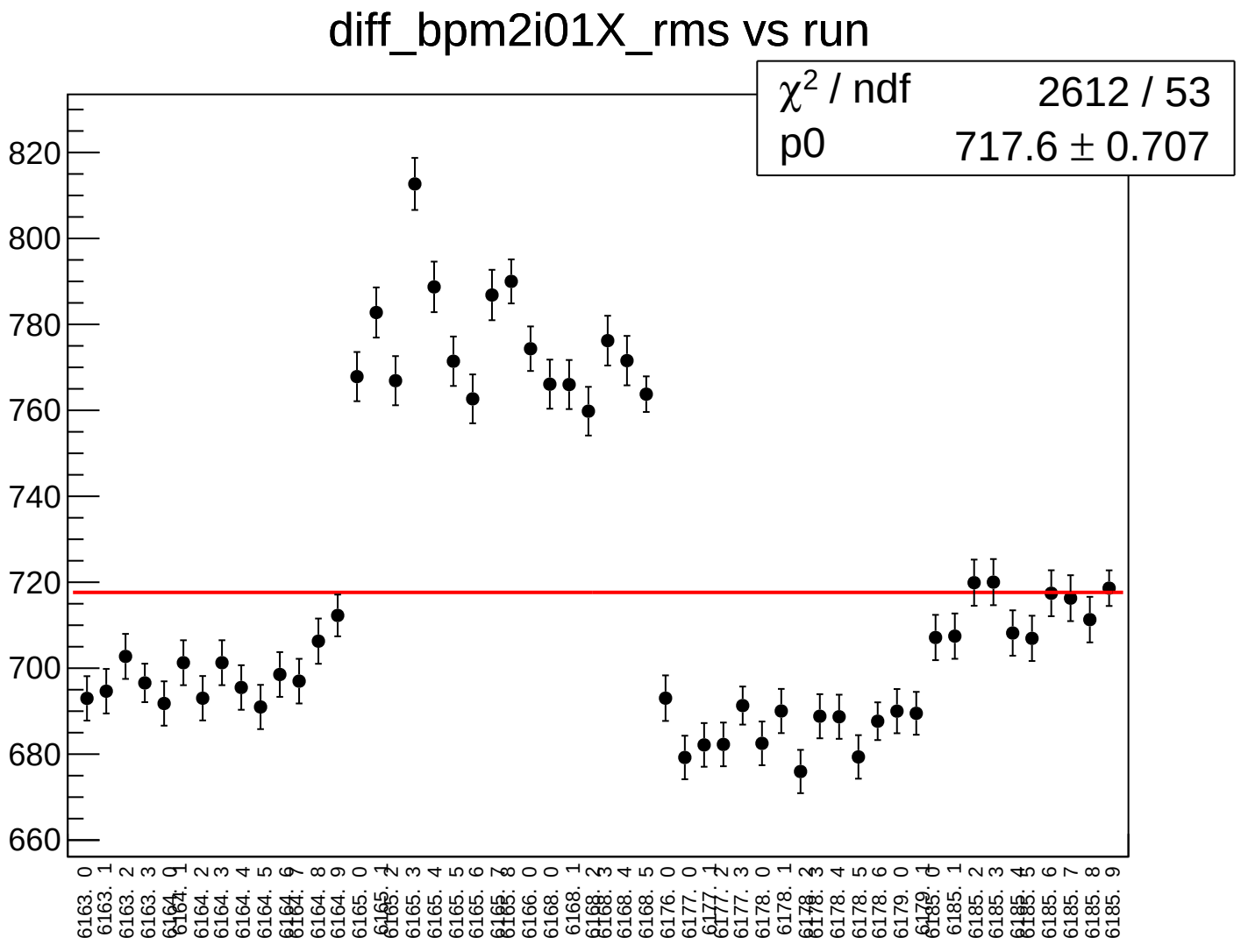

diff_bpm0r05Y_mean vs run
χ² / ndf 59.53 / 53
p0 14.58 ± 7.179
pull
Entries 54
Mean −3.898
Std Dev 0

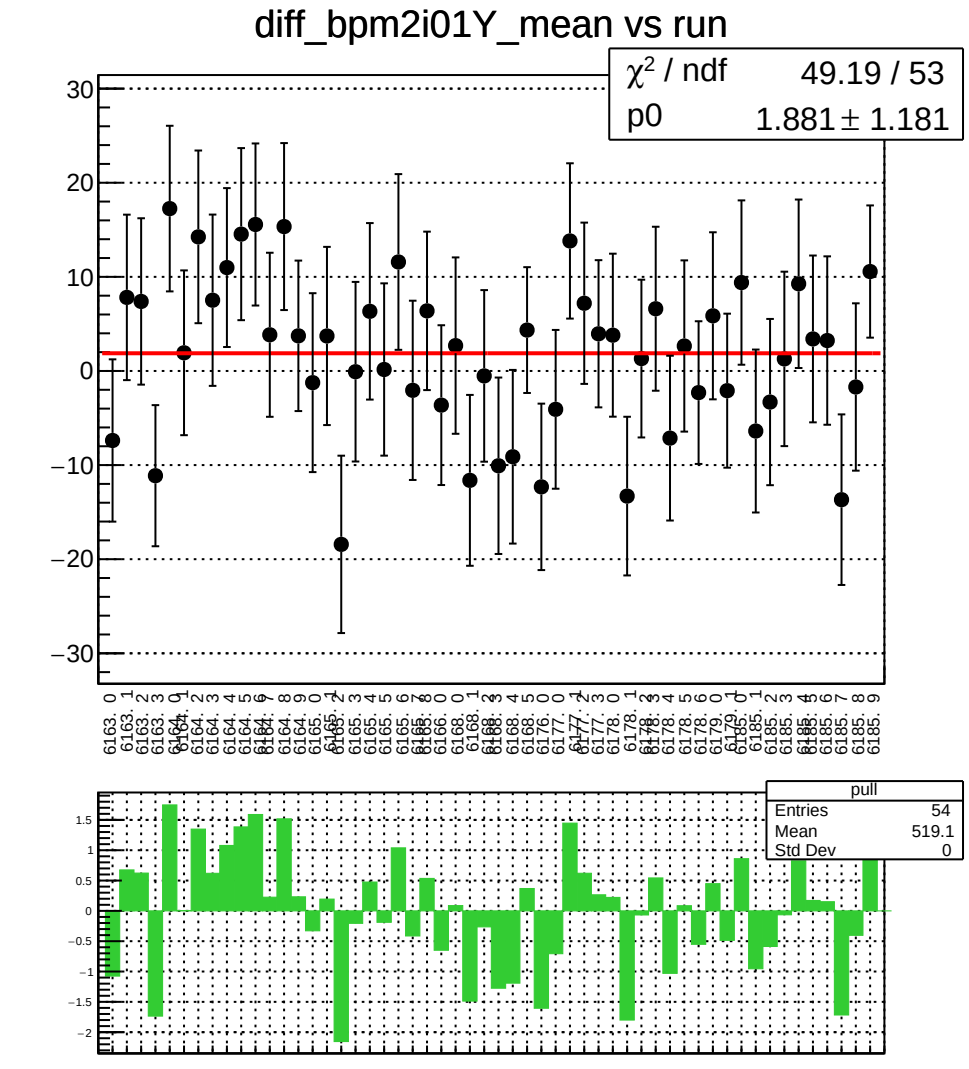

pull1D
Entries 54
Mean −0.006523
Std Dev 1.05

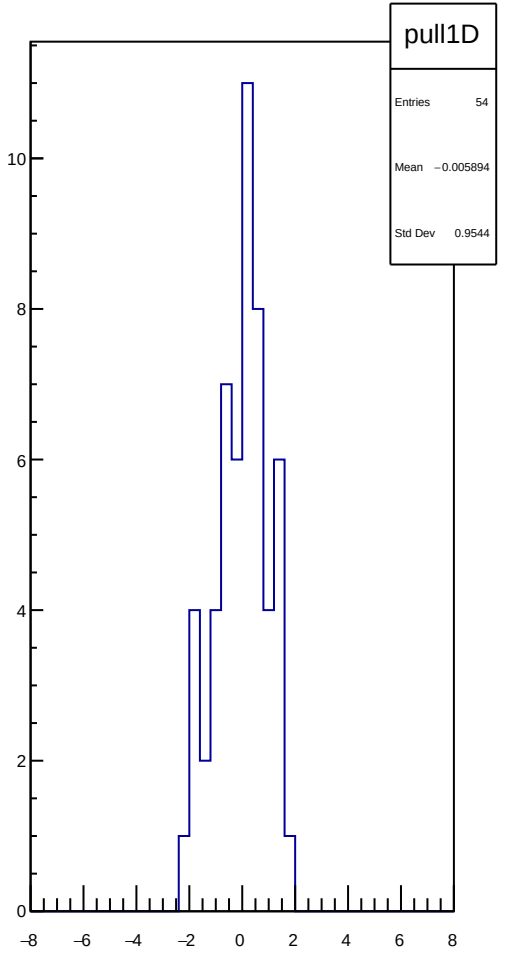

diff_bpm0r05Y_rms vs run
χ² / ndf 1464 / 53
p0 5156 ± 5.076
5800
5600
5400
5200
5000
4800
4600
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

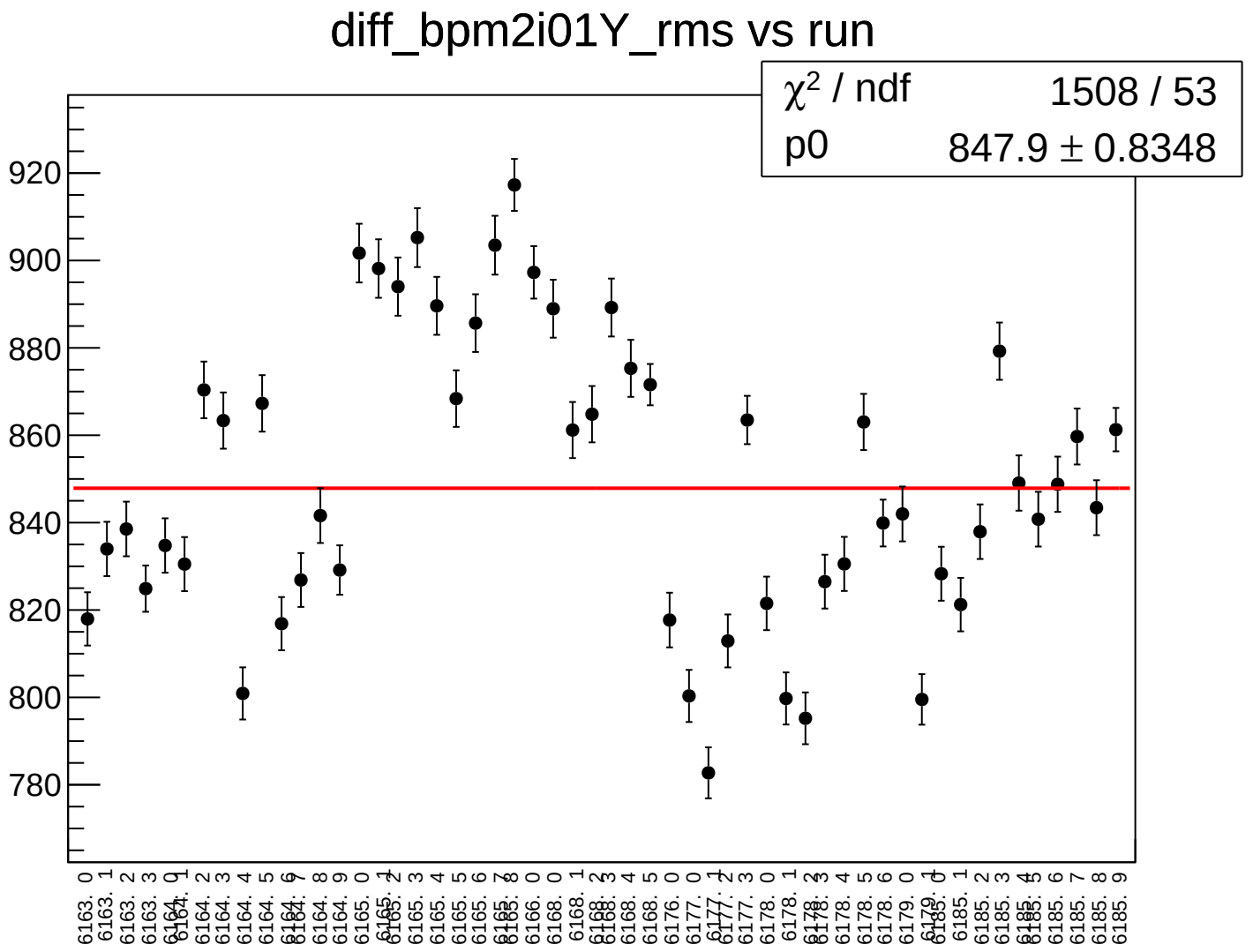

diff_bpm2i01X_mean vs run
χ² / ndf 42.02 / 53
p0 11.49 ± 0.9998
pull
Entries 54
Mean 499.9
Std Dev 0

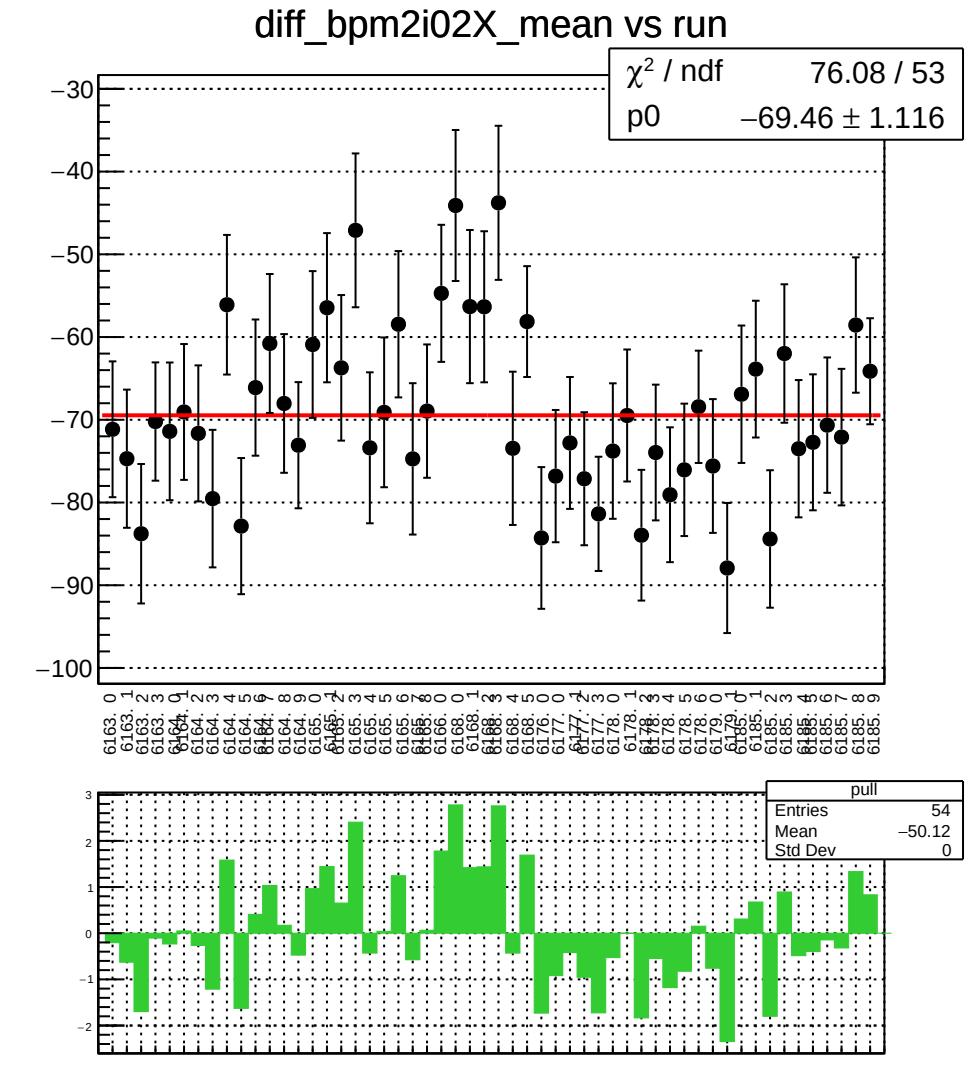

pull1D
Entries 54
Mean −0.003588
Std Dev 0.8821

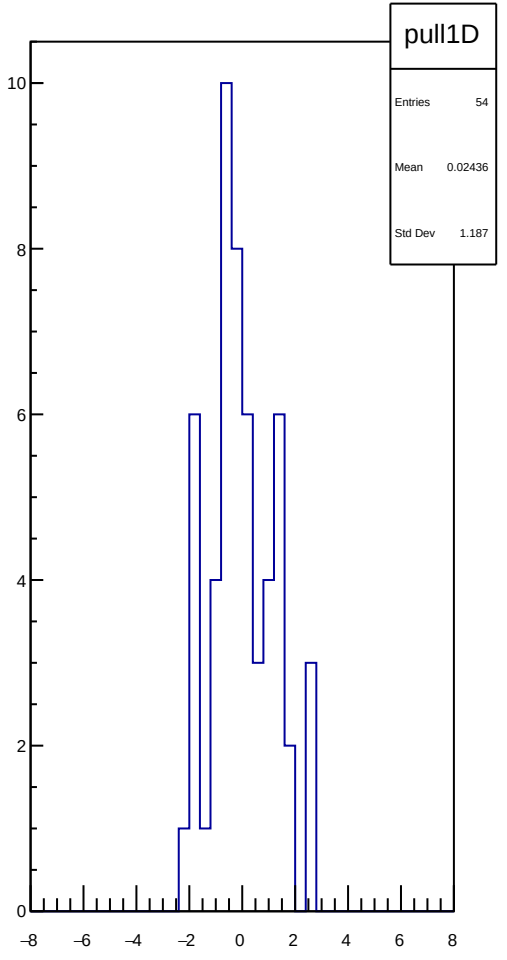

diff_bpm2i01X_rms vs run
χ² / ndf 2612 / 53
p0 717.6 ± 0.707
820
800
780
760
740
720
700
680
660
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

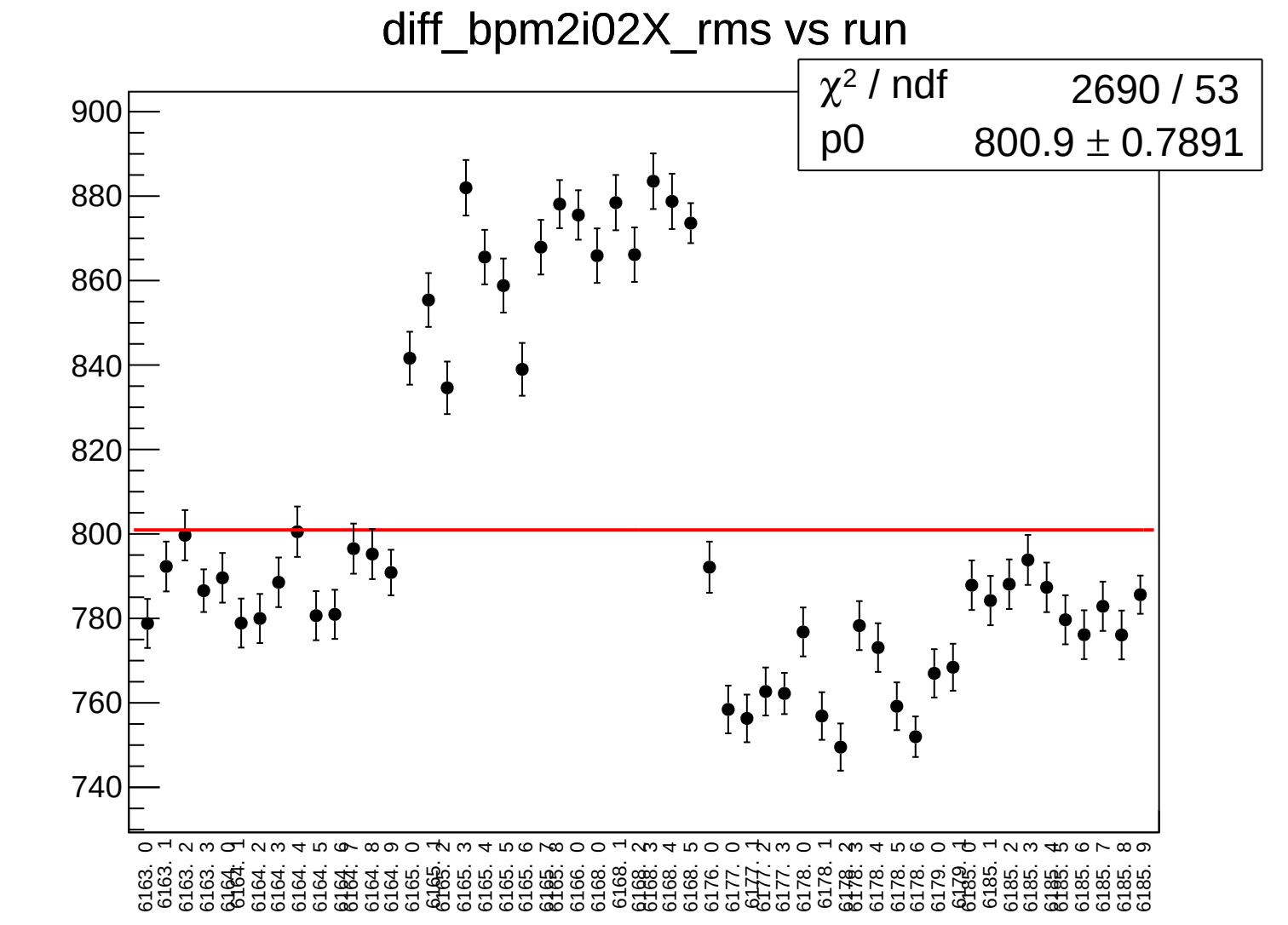

diff_bpm2i01Y_mean vs run
χ² / ndf 49.19 / 53
p0 1.881 ± 1.181
pull
Entries 54
Mean 519.1
Std Dev 0

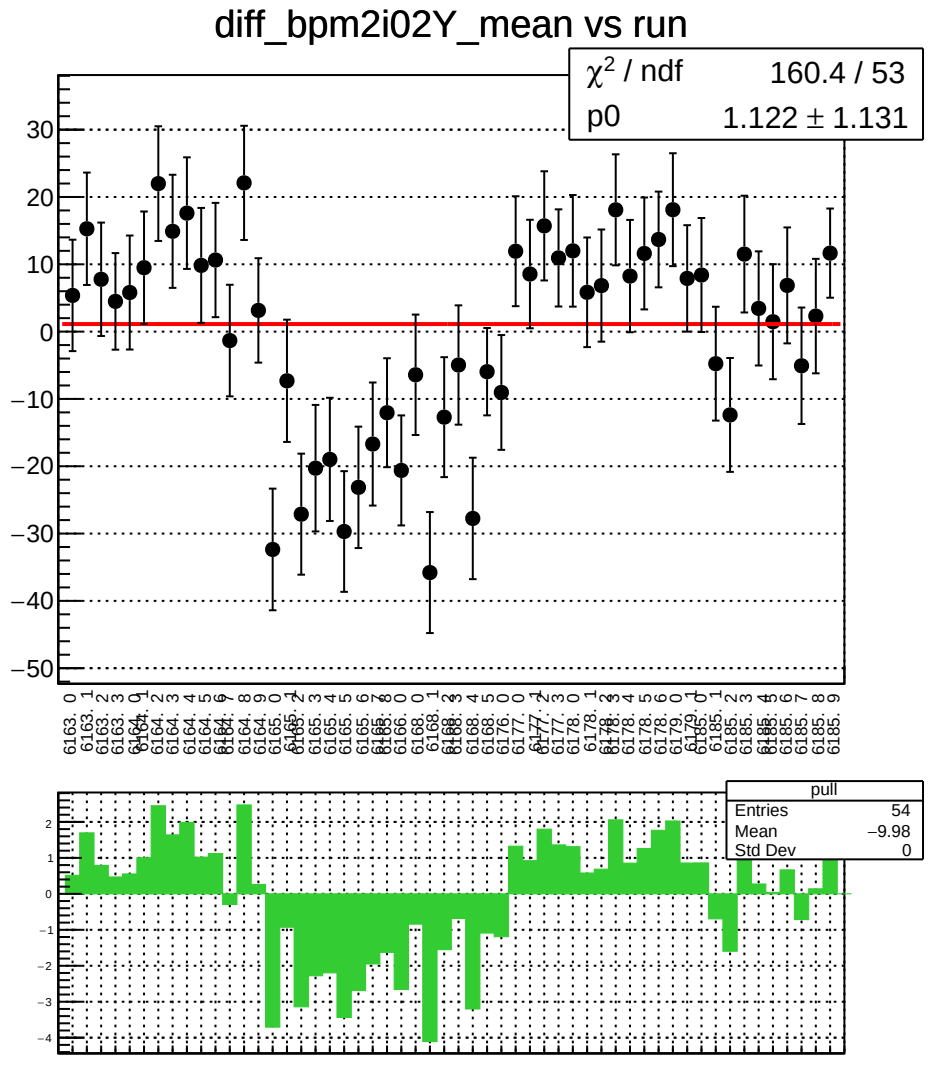

pull1D
Entries 54
Mean −0.005894
Std Dev 0.9544

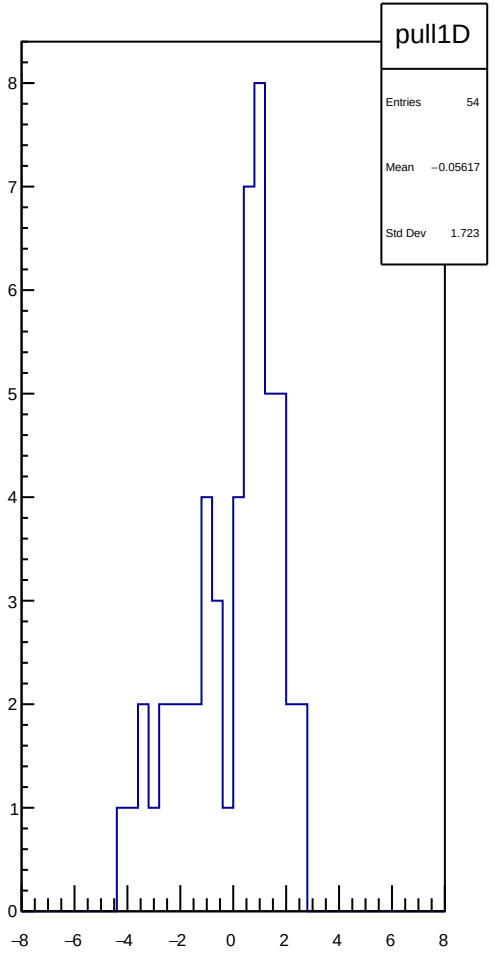

diff_bpm2i01Y_rms vs run
χ² / ndf 1508 / 53
p0 847.9 ± 0.8348
920
900
880
860
840
820
800
780
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

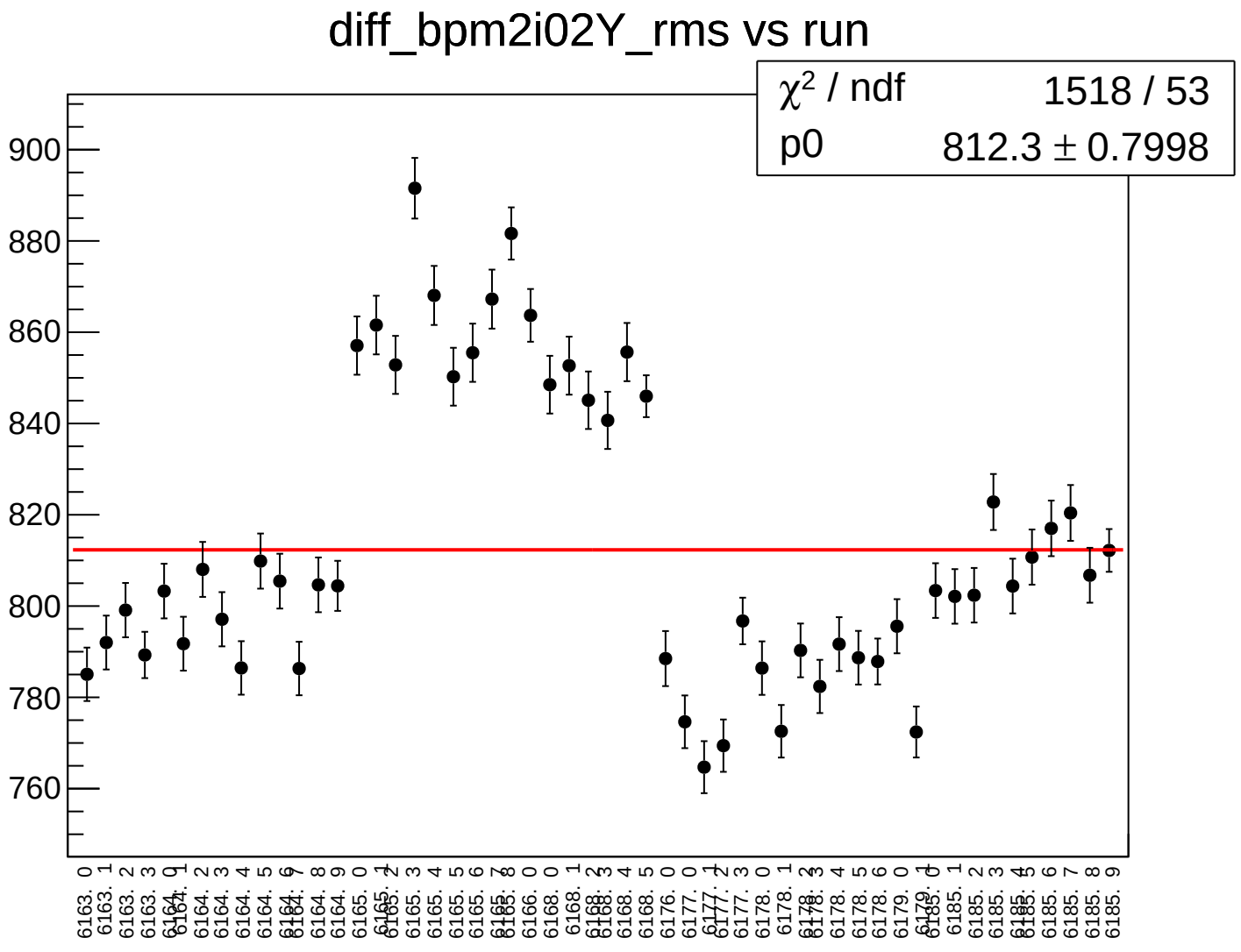

diff_bpm2i02X_mean vs run
χ² / ndf 76.08 / 53
p0 −69.46 ± 1.116
pull
Entries 54
Mean −50.12
Std Dev 0

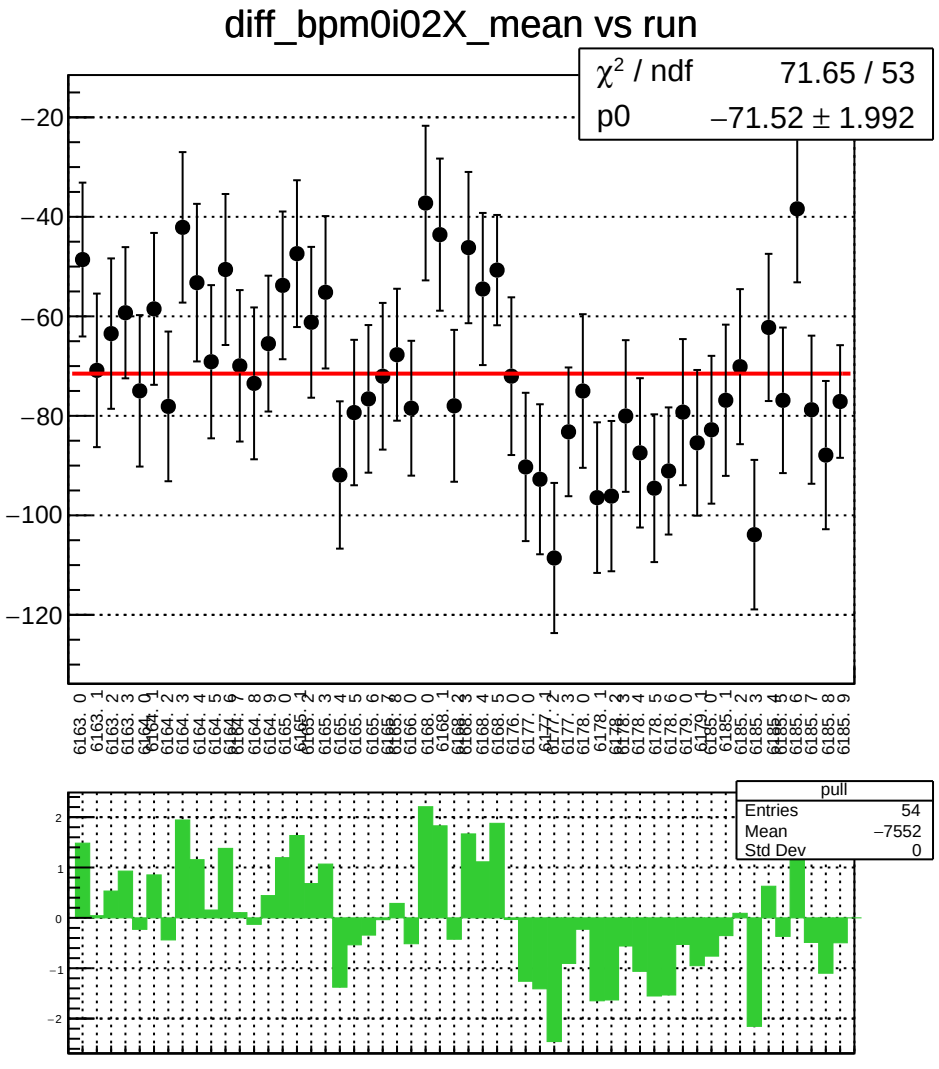

pull1D
Entries 54
Mean 0.02436
Std Dev 1.187

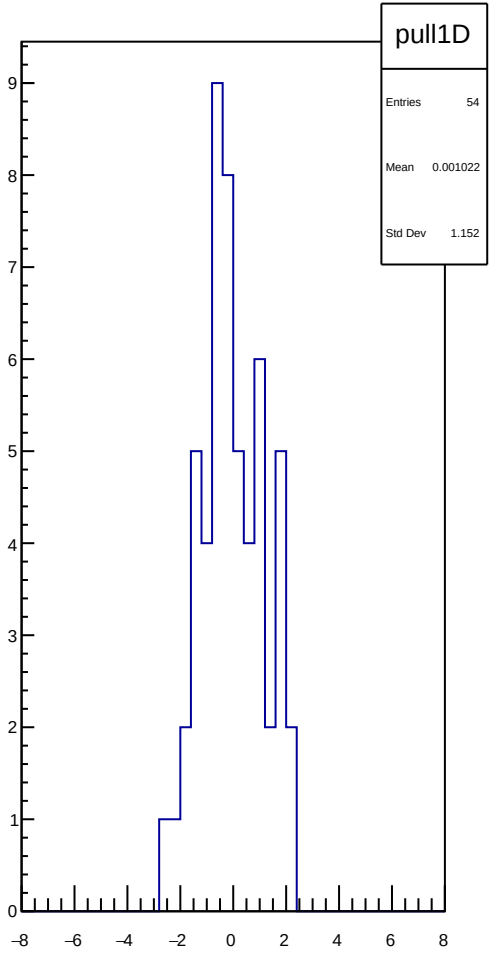

diff_bpm2i02X_rms vs run
χ² / ndf 2690 / 53
p0 800.9 ± 0.7891
900
880
860
840
820
800
780
760
740
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

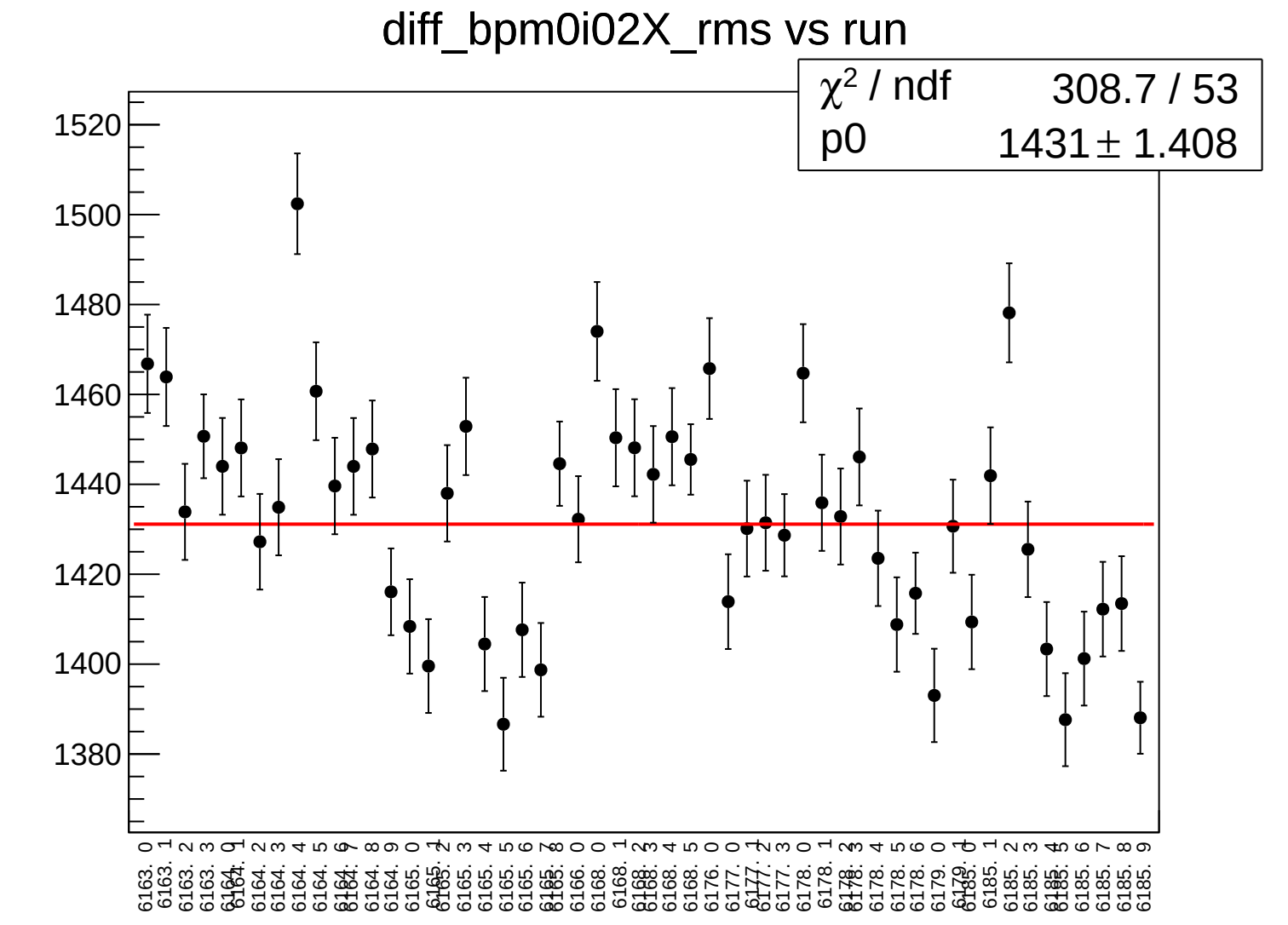

diff_bpm2i02Y_mean vs run
χ^2 / ndf 160.4 / 53
p0 1.122 ± 1.131
pull
Entries 54
Mean −9.98
Std Dev 0


pull1D
Entries 54
Mean −0.05617
Std Dev 1.723


diff_bpm2i02Y_rms vs run
χ² / ndf 1518 / 53
p0 812.3 ± 0.7998
900
880
860
840
820
800
780
760
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


diff_bpm0i02X_mean vs run
χ² / ndf 71.65 / 53
p0 −71.52 ± 1.992
pull
Entries 54
Mean −7552
Std Dev 0


pull1D
Entries 54
Mean 0.001022
Std Dev 1.152


diff_bpm0i02X_rms vs run
χ² / ndf 308.7 / 53
p0 1431 ± 1.408
1520
1500
1480
1460
1440
1420
1400
1380
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
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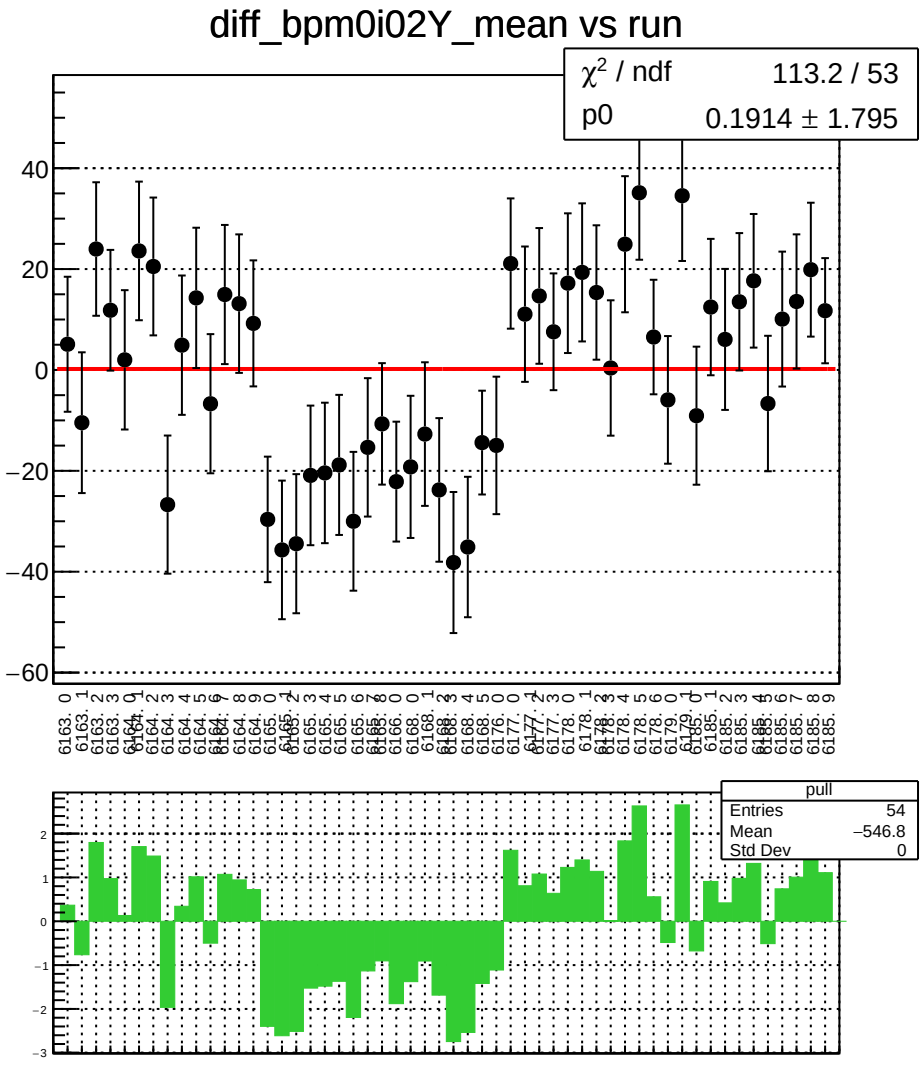
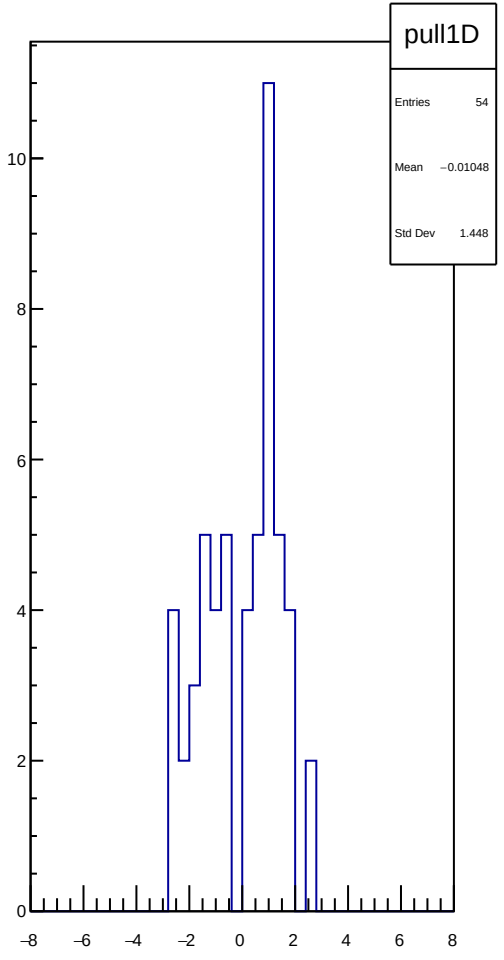
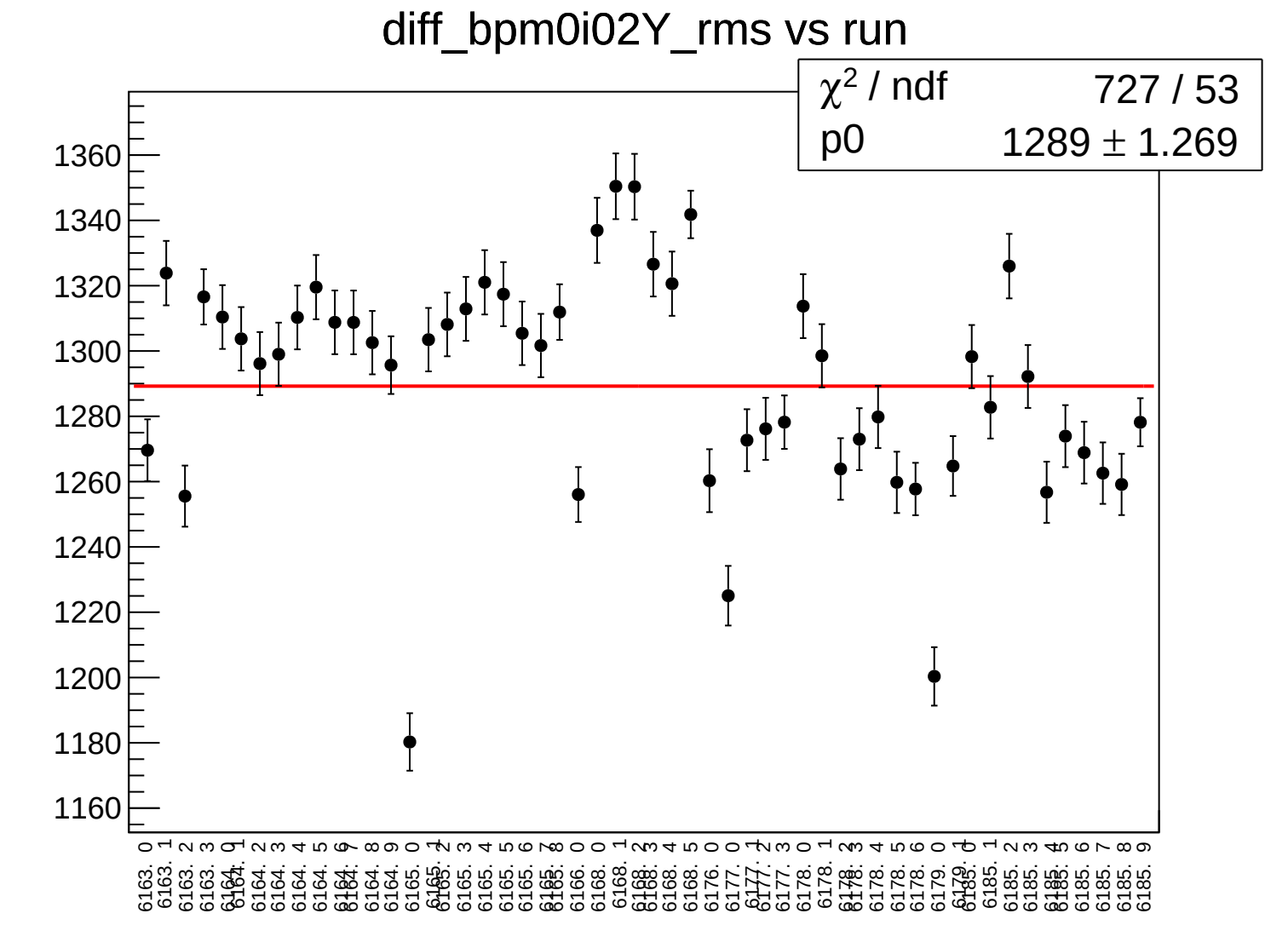
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


diff_bpm0i02Y_mean vs run
χ² / ndf 113.2 / 53
p0 0.1914 ± 1.795
pull
Entries 54
Mean −546.8
Std Dev 0


pull1D
Entries 54
Mean −0.01048
Std Dev 1.448


diff_bpm0i02Y_rms vs run
χ² / ndf 727 / 53
p0 1289 ± 1.269
1360
1340
1320
1300
1280
1260
1240
1220
1200
1180
1160
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
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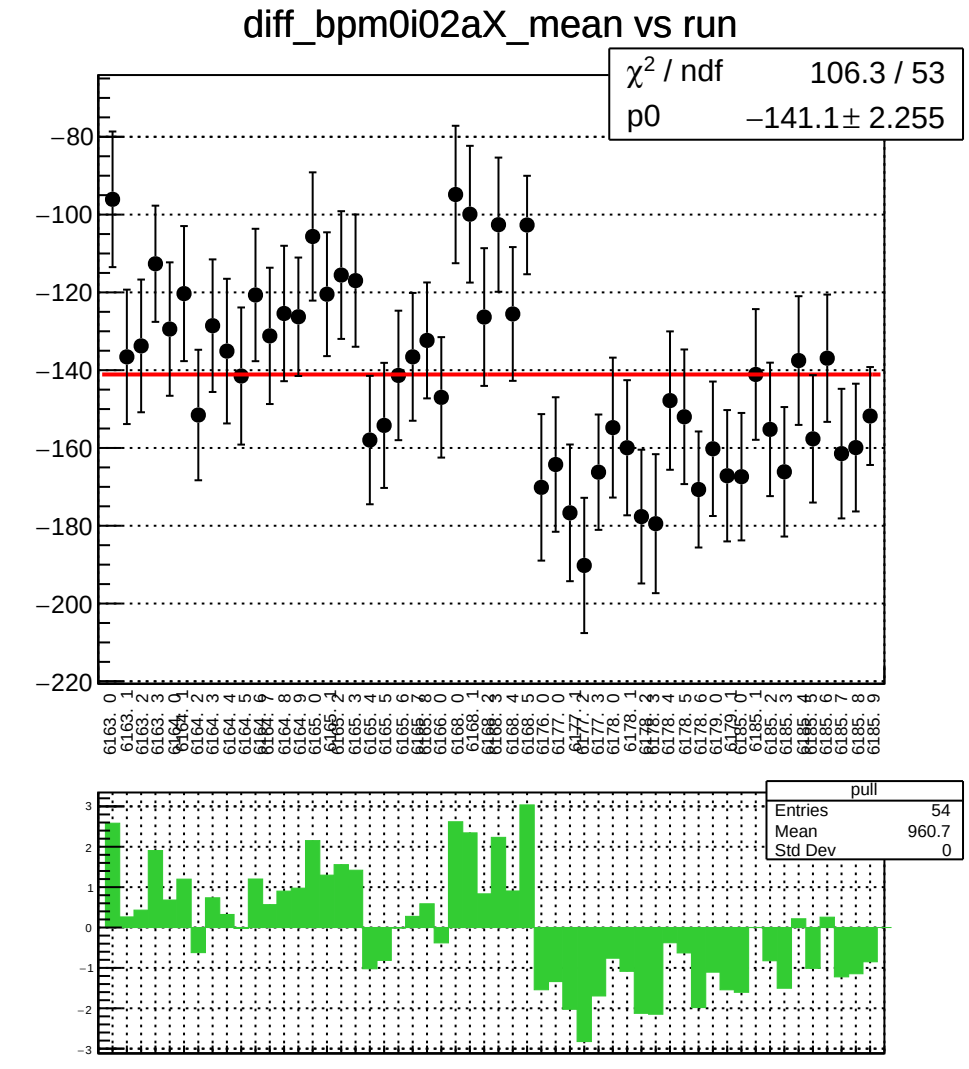
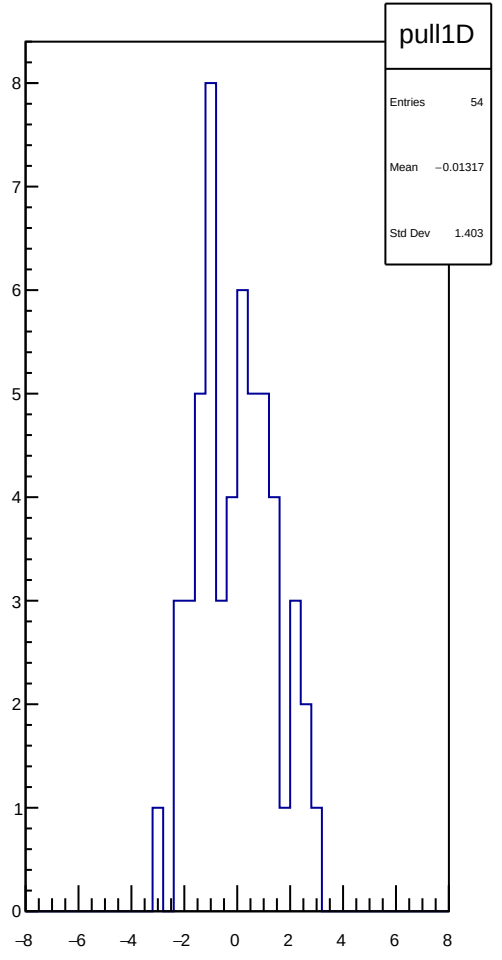
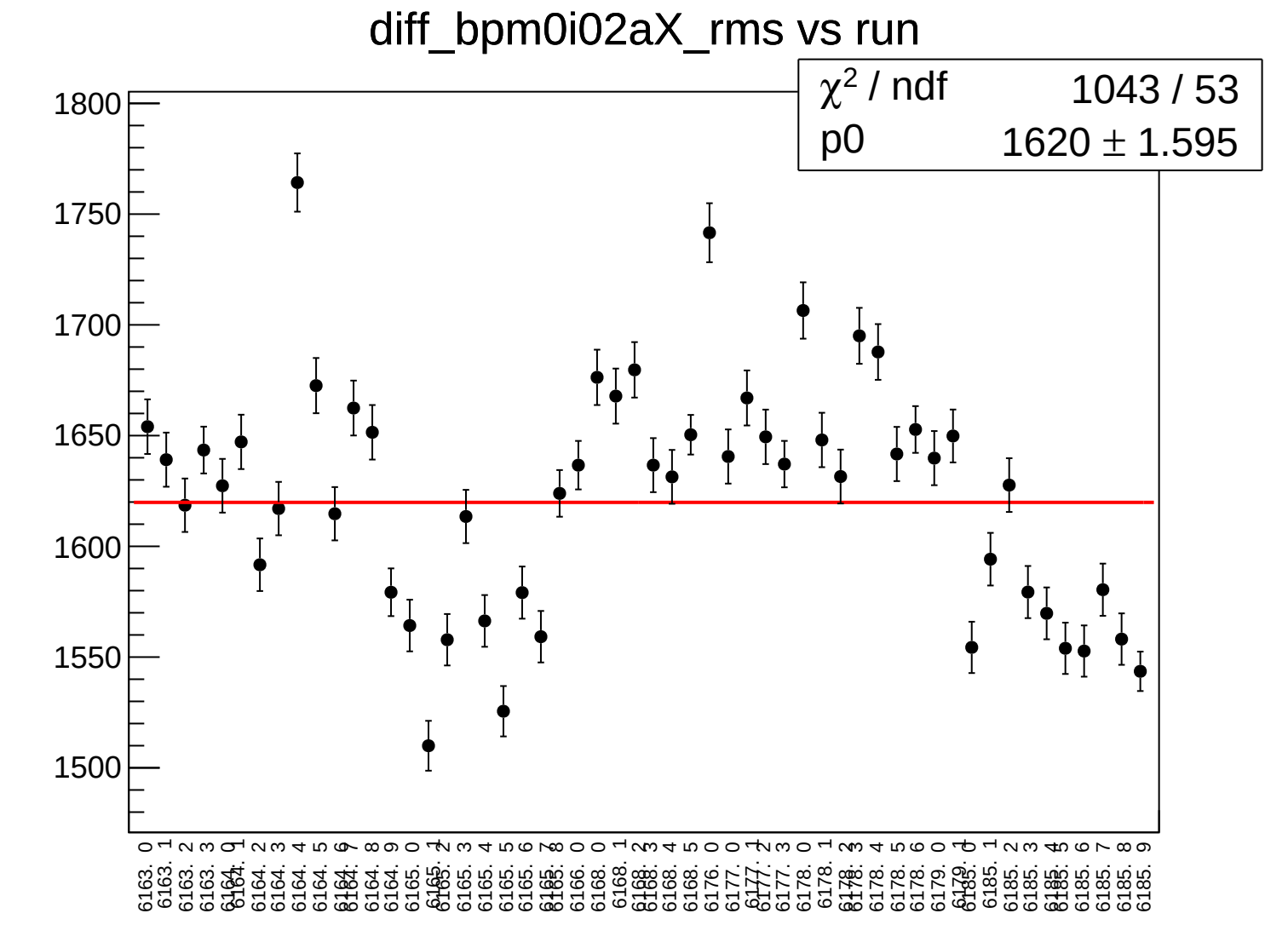
6185. 9


diff_bpm0i02aX_mean vs run
χ² / ndf 106.3 / 53
p0 −141.1± 2.255
pull
Entries 54
Mean 960.7
Std Dev 0


pull1D
Entries 54
Mean −0.01317
Std Dev 1.403


diff_bpm0i02aX_rms vs run
χ² / ndf 1043 / 53
p0 1620 ± 1.595
1800
1750
1700
1650
1600
1550
1500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
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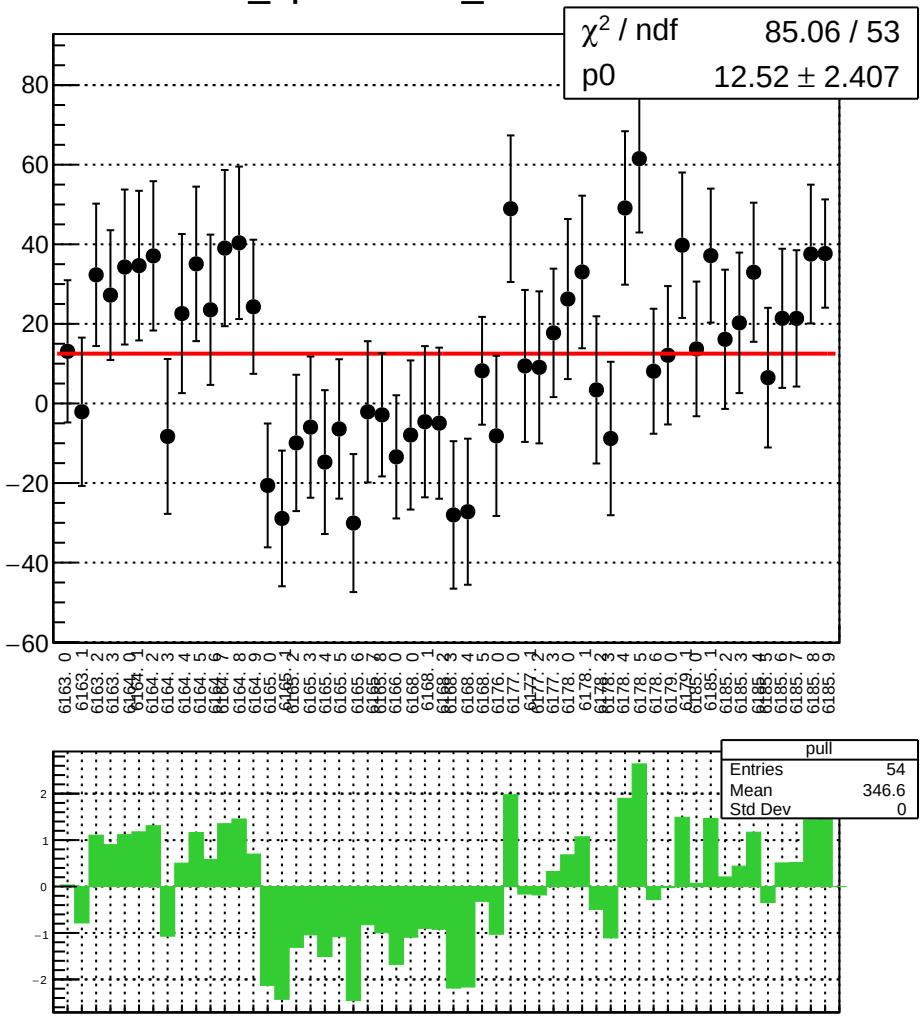
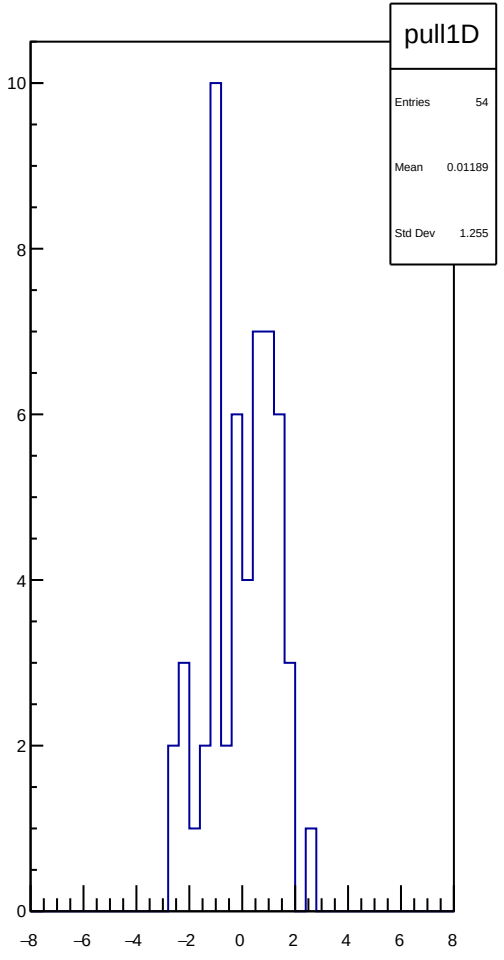
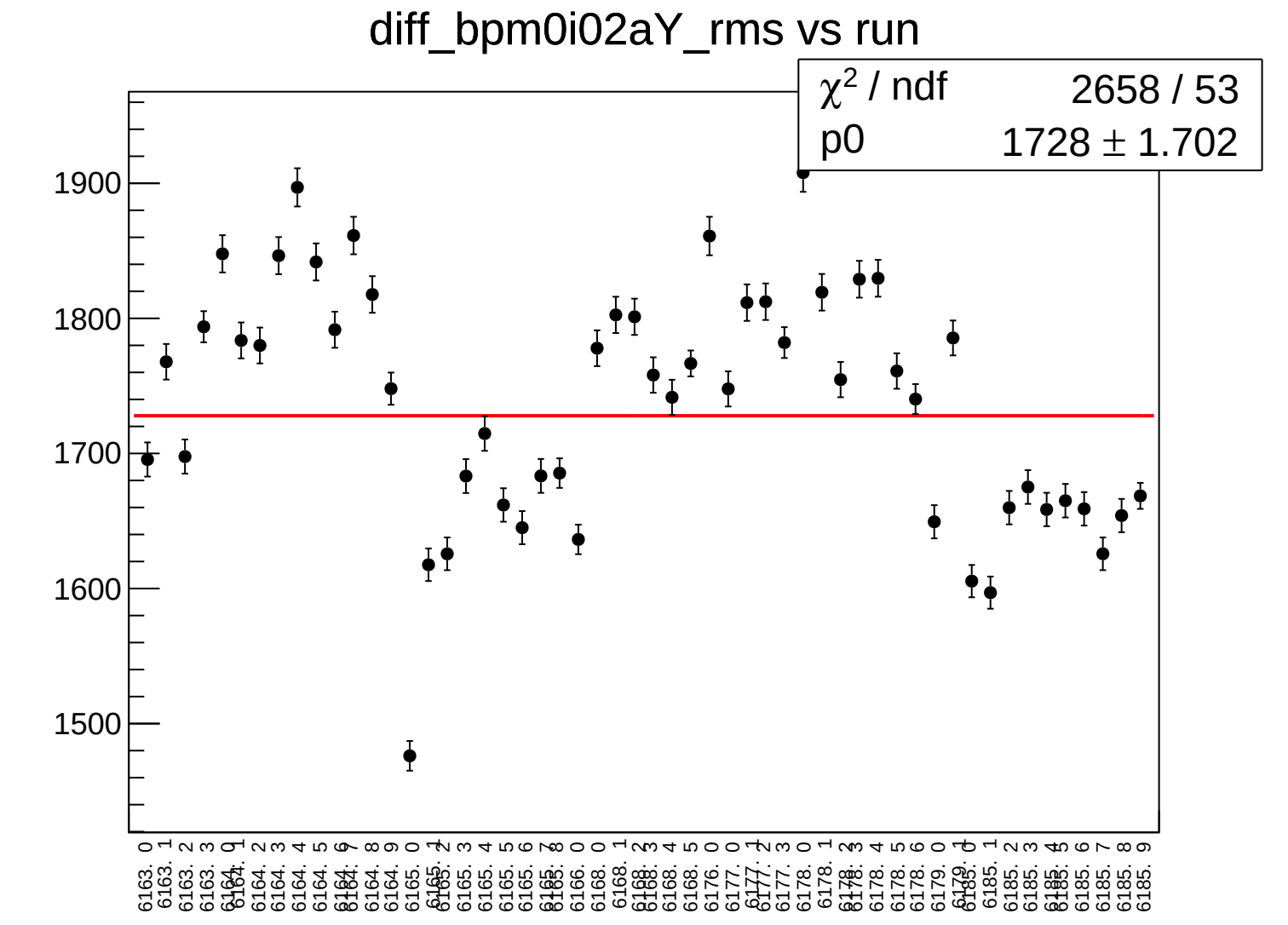
6185. 9


diff_bpm0i02aY_mean vs run
χ² / ndf 85.06 / 53
p0 12.52 ± 2.407
pull
Entries 54
Mean 346.6
Std Dev 0


pull1D
Entries 54
Mean 0.01189
Std Dev 1.255


diff_bpm0i02aY_rms vs run
χ² / ndf 2658 / 53
p0 1728 ± 1.702
1900
1800
1700
1600
1500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
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6179. 0
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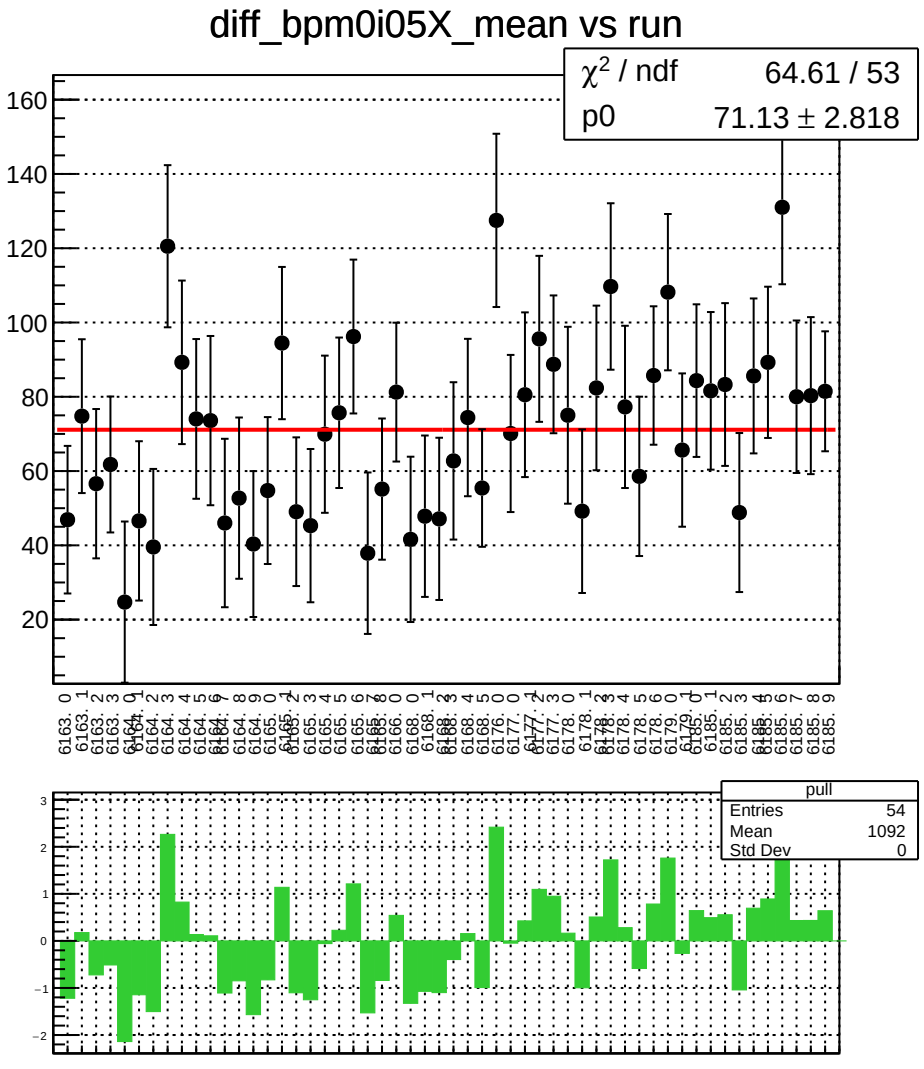
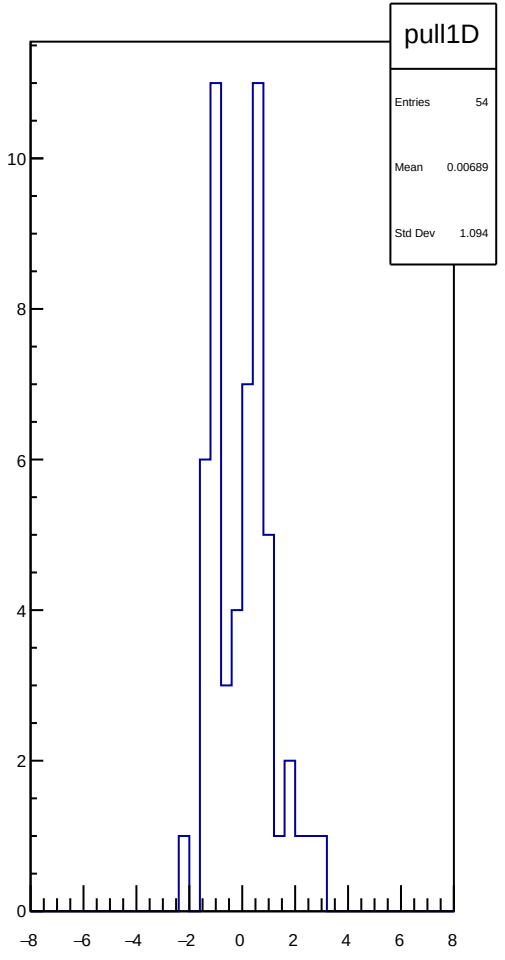
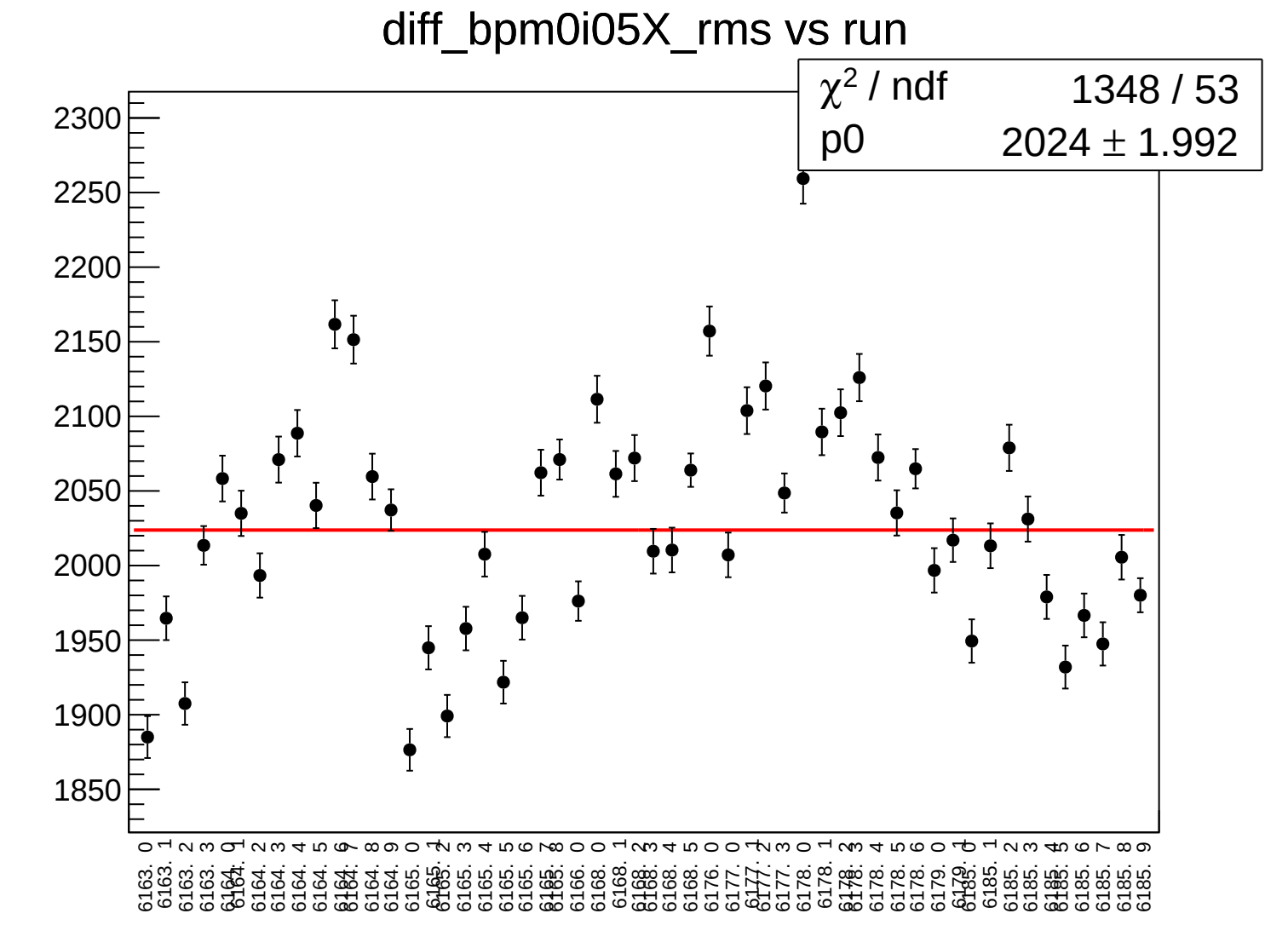
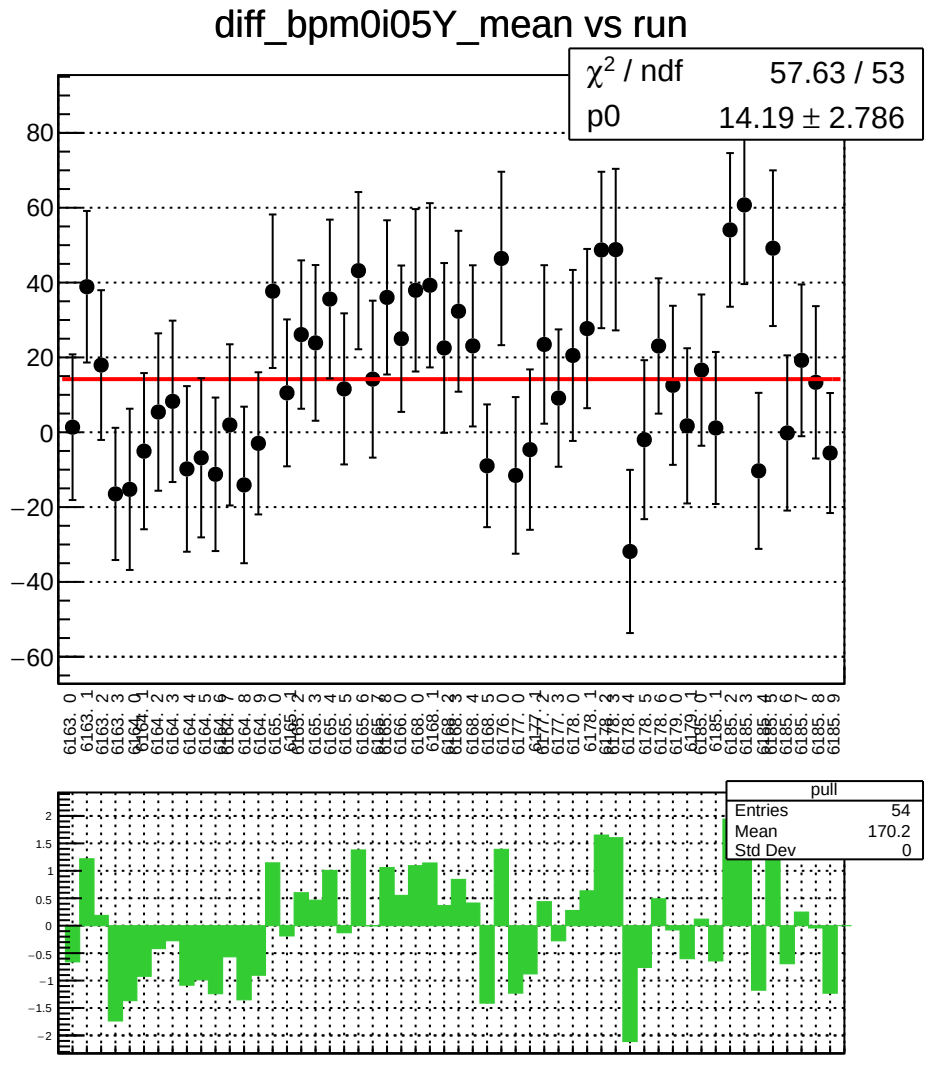
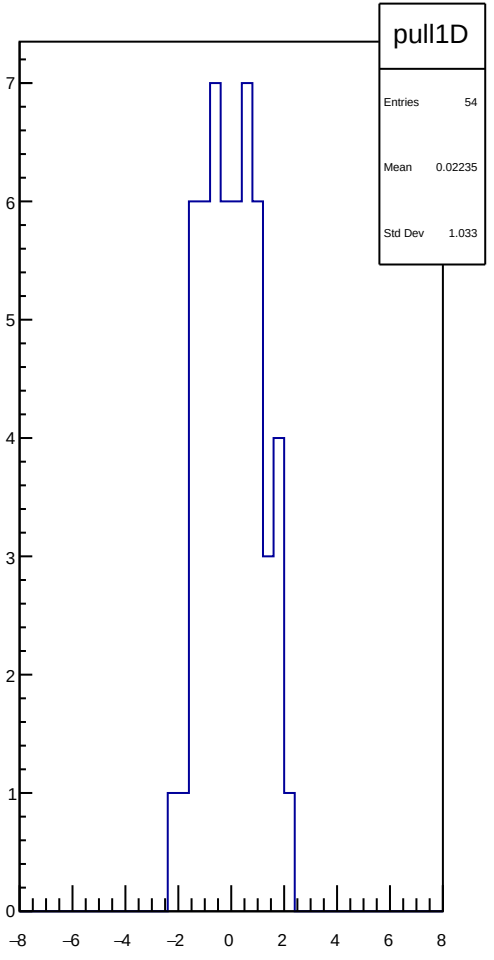
6185. 9

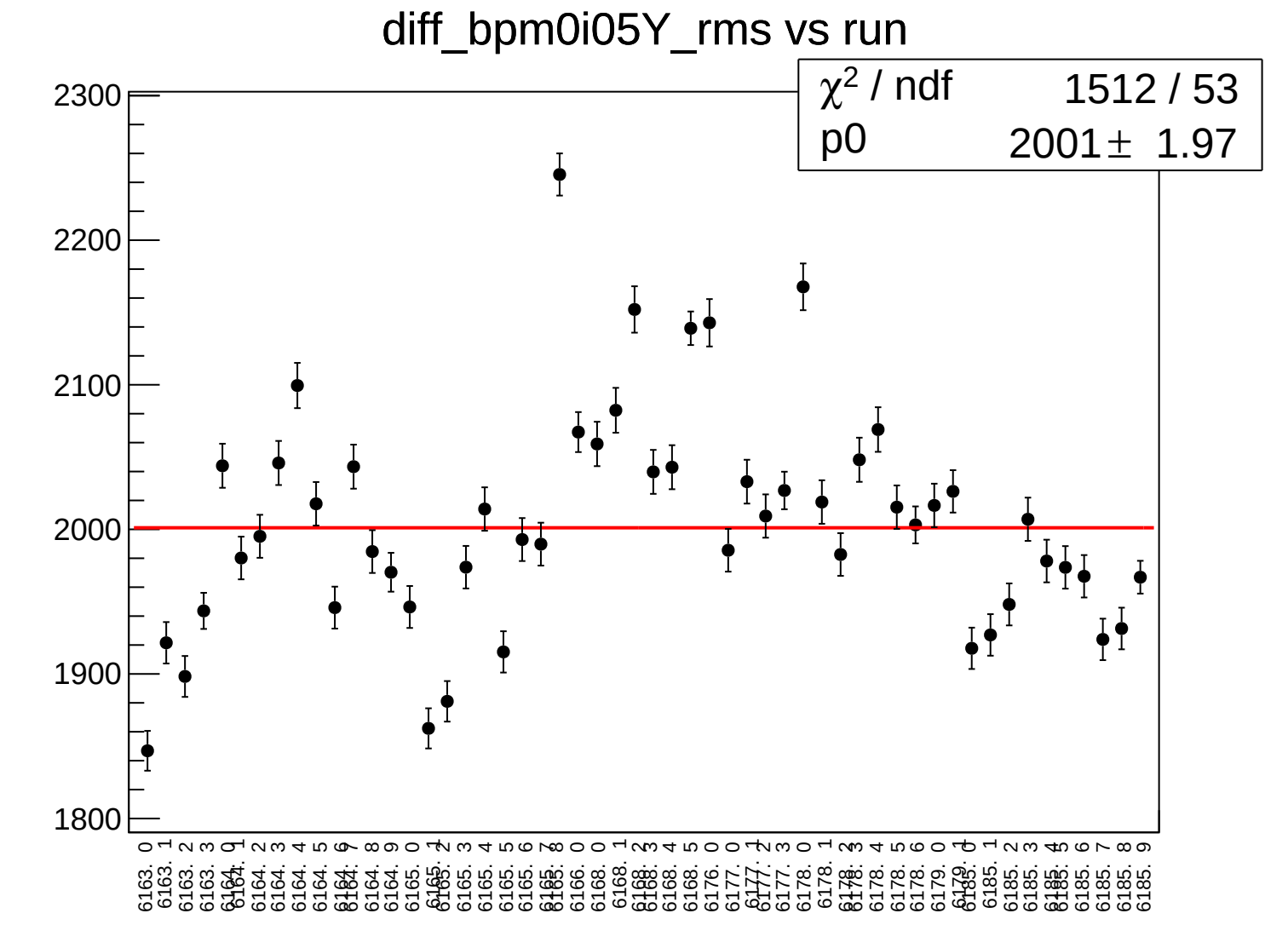

diff_bpm0i05X_mean vs run
χ² / ndf 64.61 / 53
p0 71.13 ± 2.818
pull
Entries 54
Mean 1092
Std Dev 0

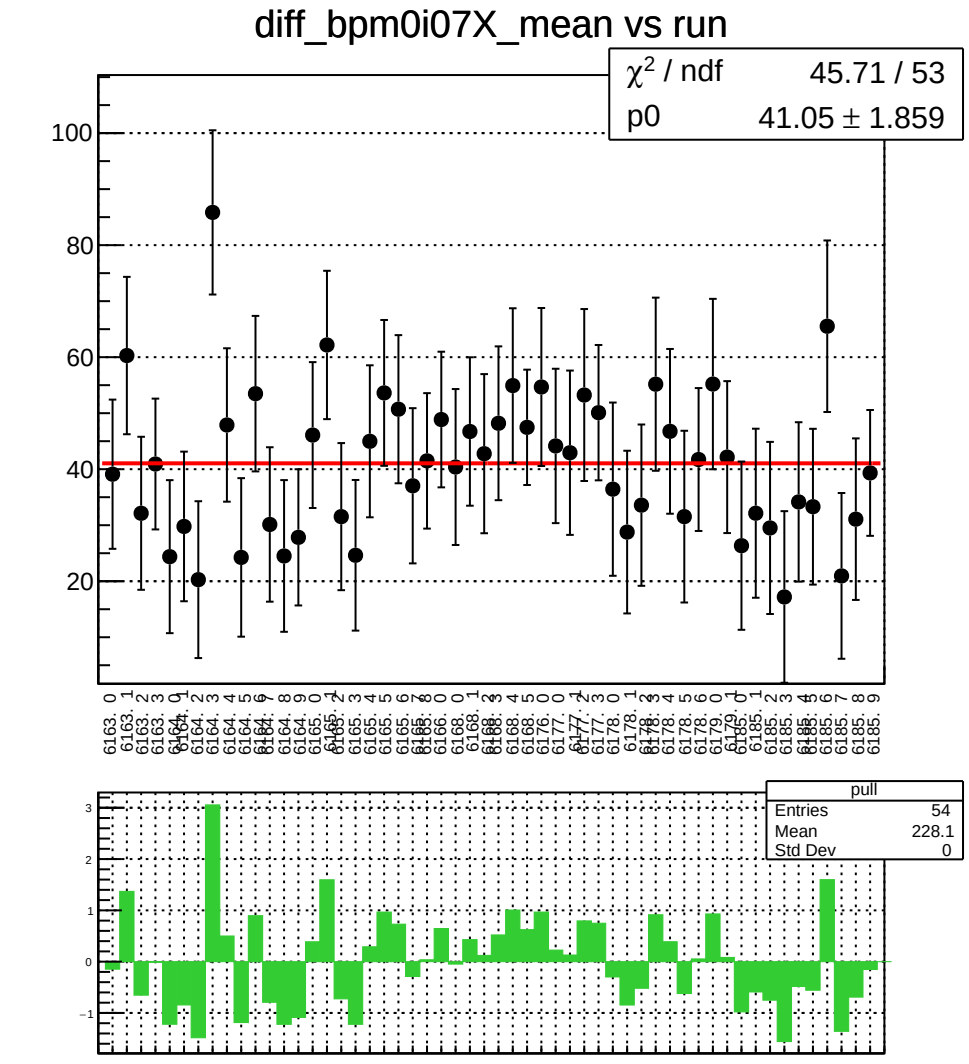

pull1D
Entries 54
Mean 0.00689
Std Dev 1.094

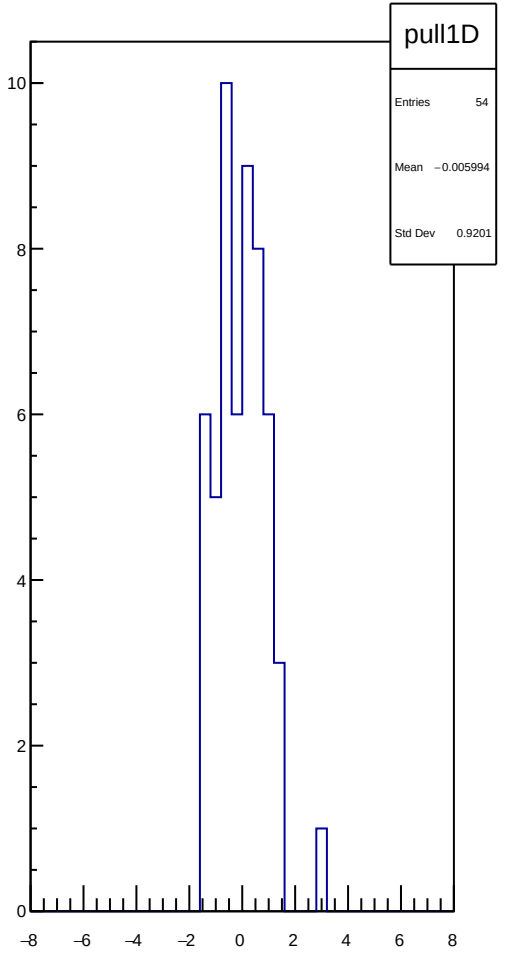

diff_bpm0i05X_rms vs run
χ² / ndf 1348 / 53
p0 2024 ± 1.992
2300
2250
2200
2150
2100
2050
2000
1950
1900
1850
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

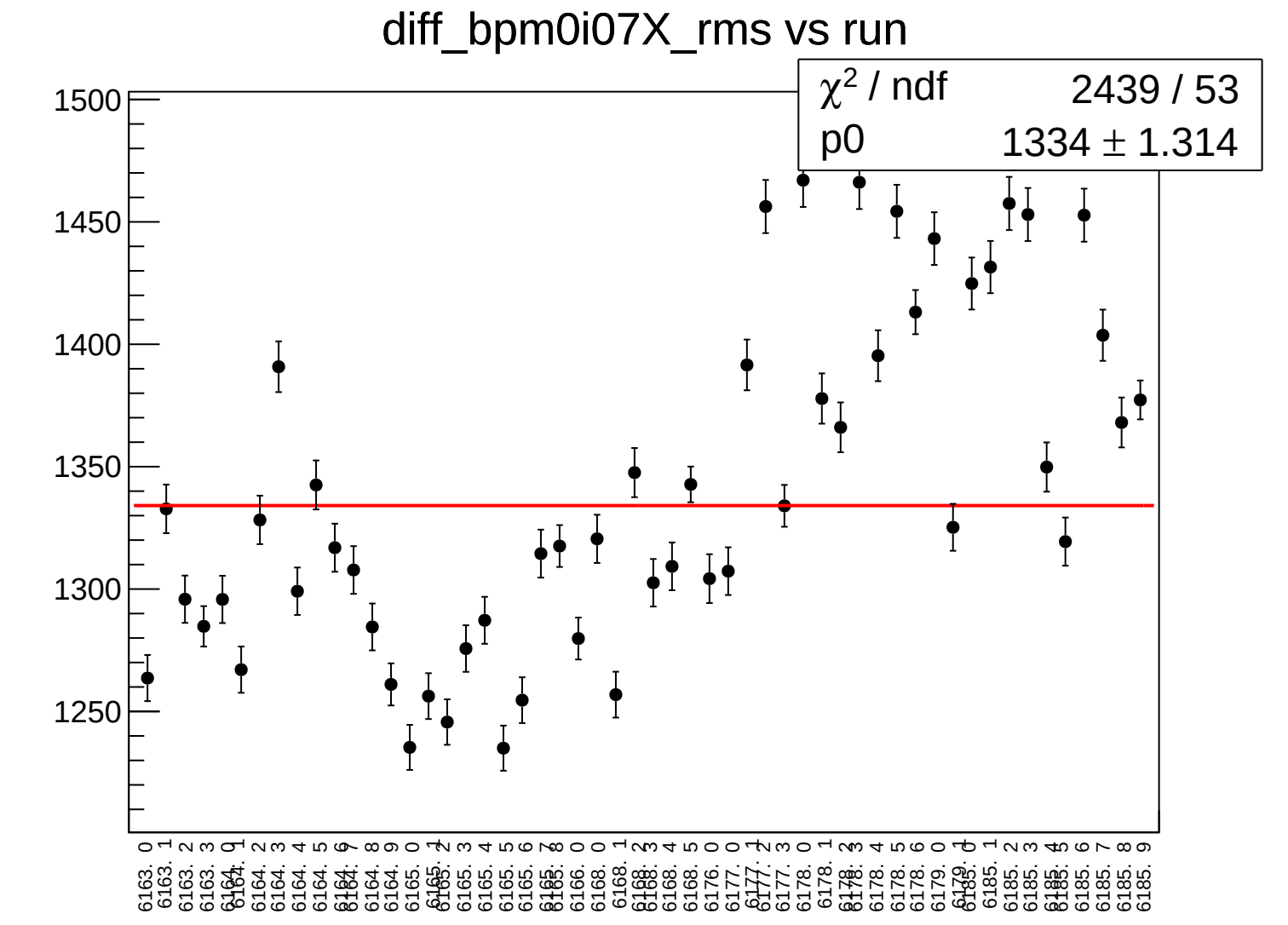

diff_bpm0i05Y_mean vs run
χ² / ndf 57.63 / 53
p0 14.19 ± 2.786
pull
Entries 54
Mean 170.2
Std Dev 0

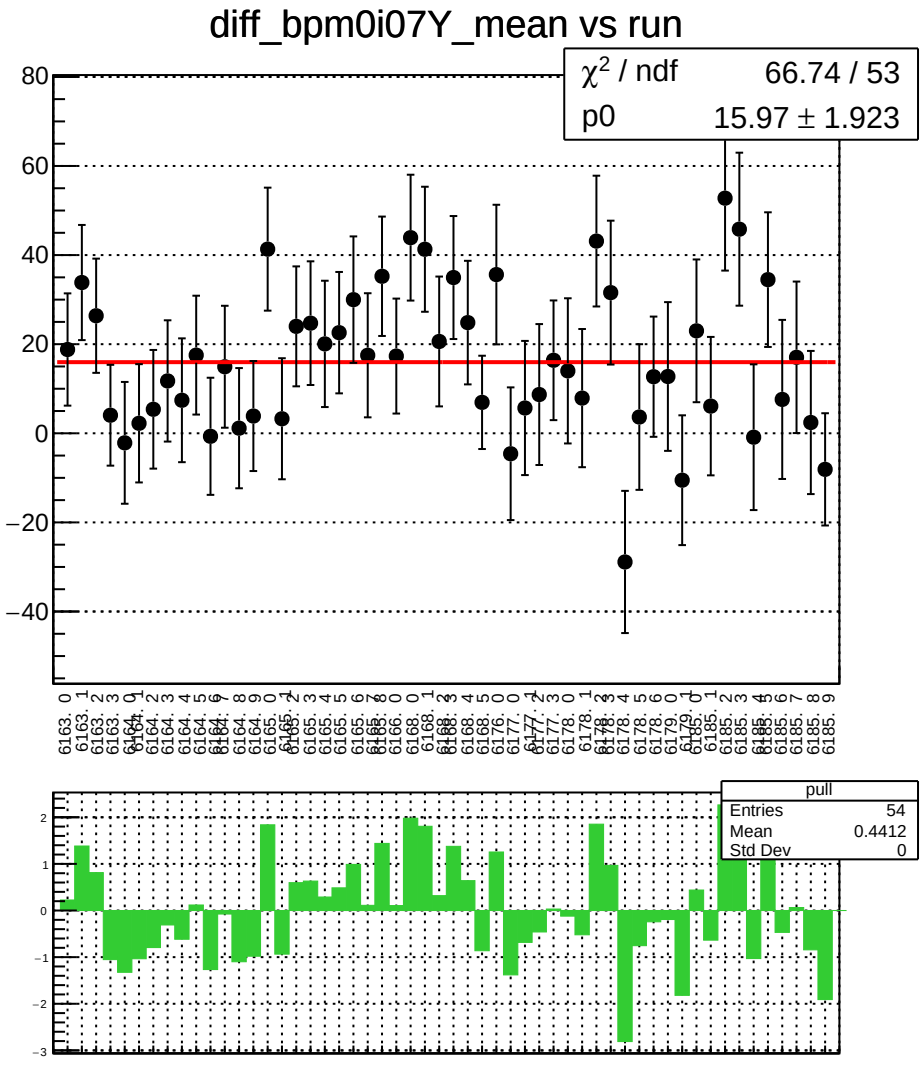

pull1D
Entries 54
Mean 0.02235
Std Dev 1.033

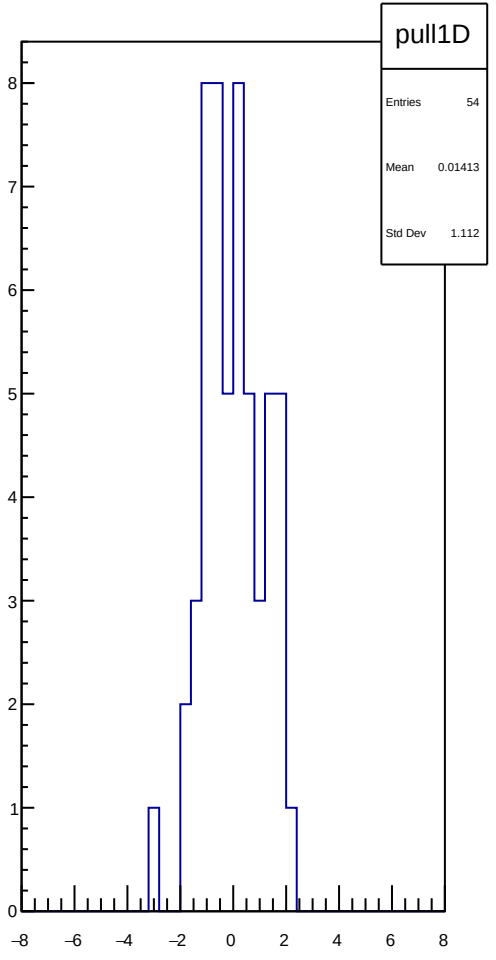

diff_bpm0i05Y_rms vs run
χ² / ndf 1512 / 53
p0 2001 ± 1.97
2300
2200
2100
2000
1900
1800
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

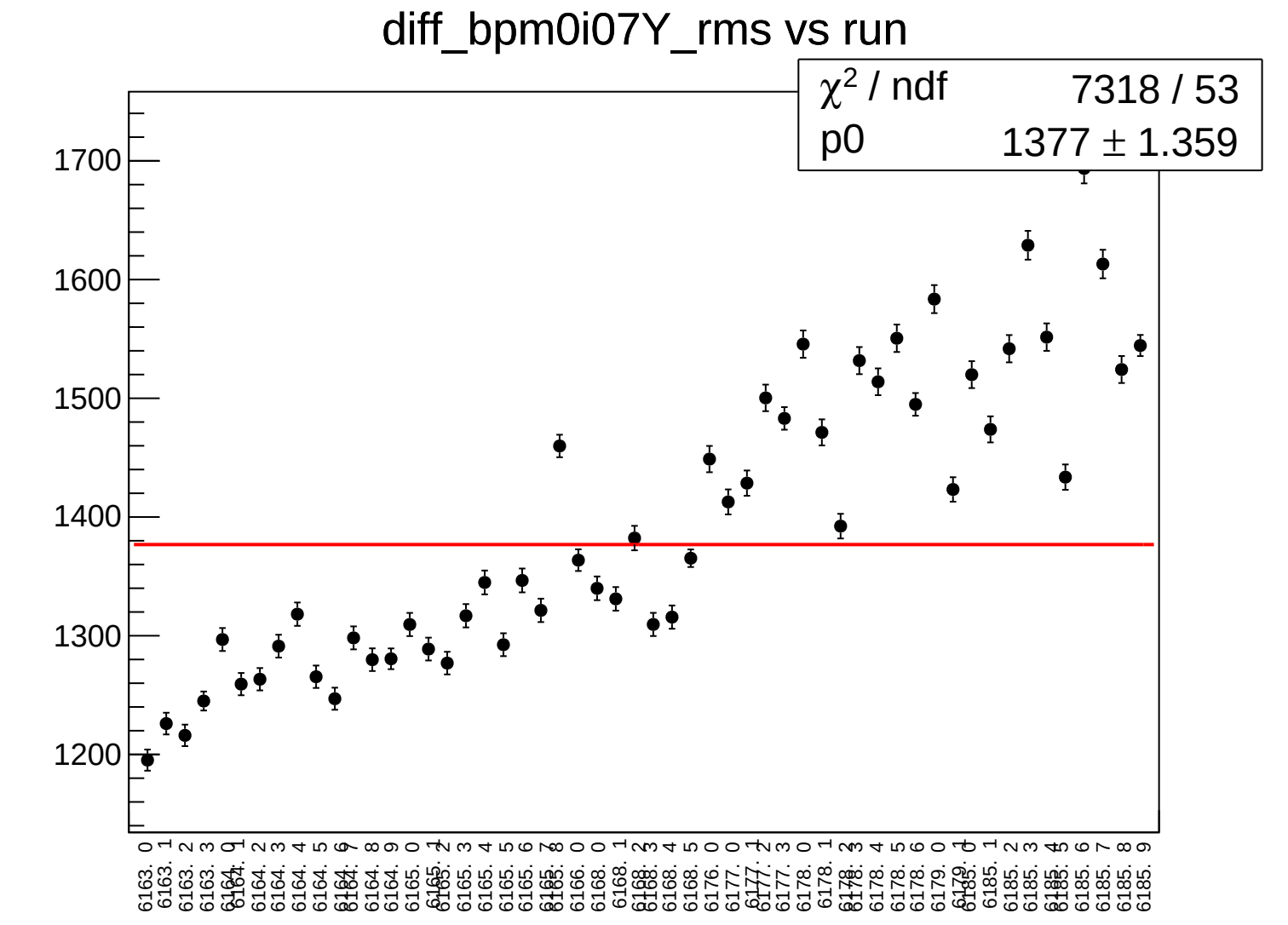

diff_bpm0i07X_mean vs run
χ² / ndf 45.71 / 53
p0 41.05 ± 1.859
pull
Entries 54
Mean 228.1
Std Dev 0

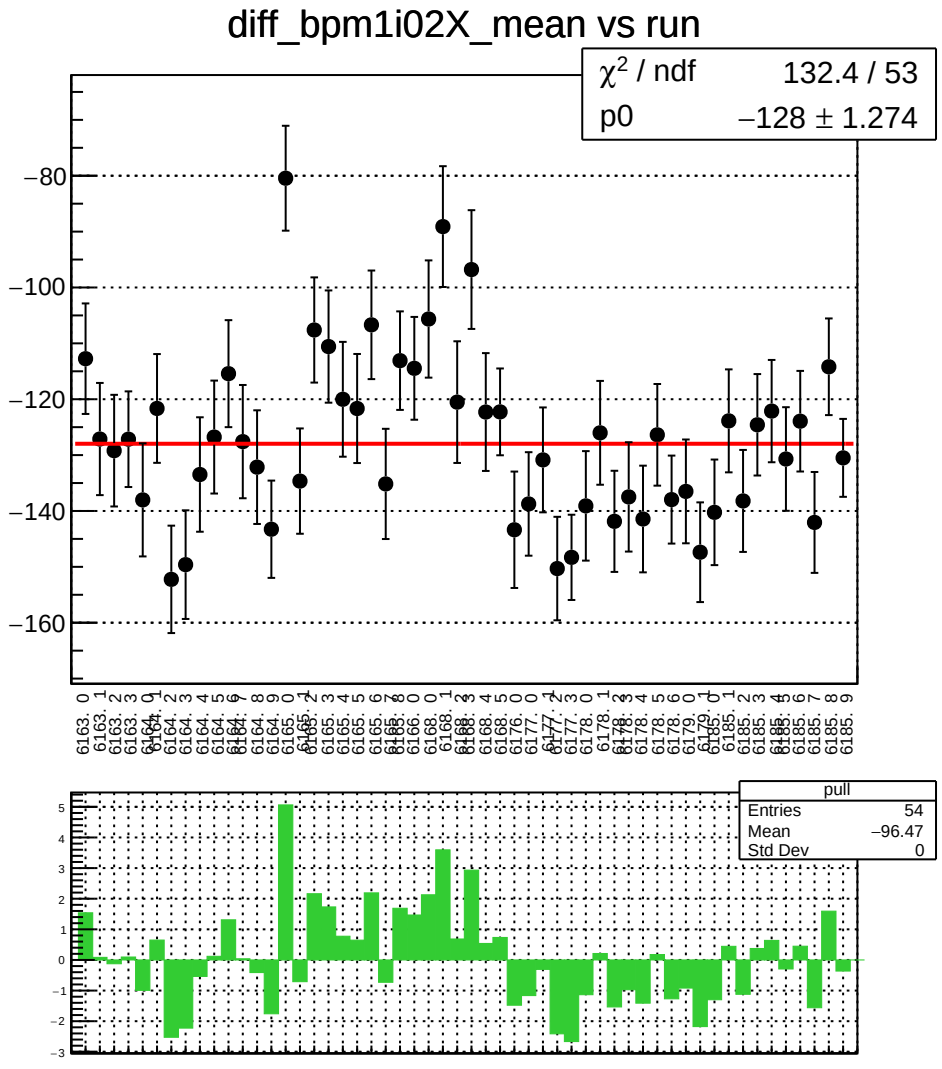

pull1D
Entries 54
Mean −0.005994
Std Dev 0.9201

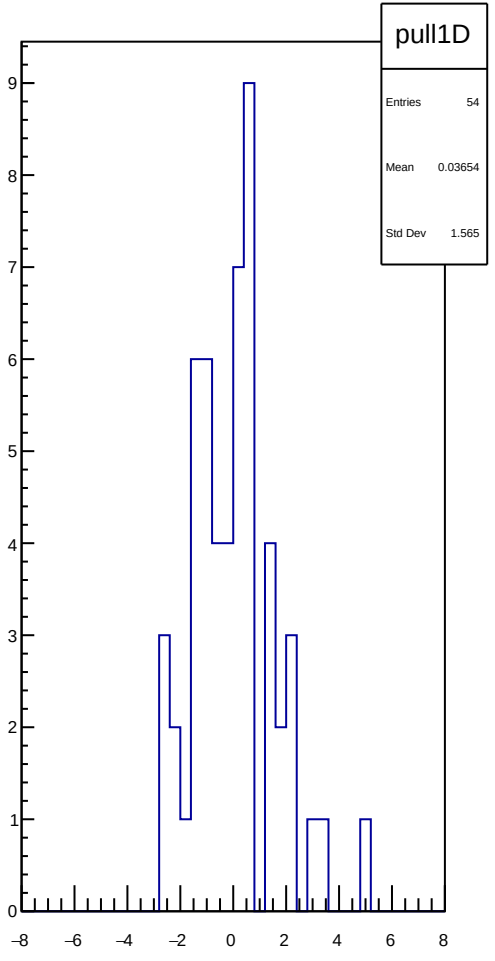

diff_bpm0i07X_rms vs run
χ² / ndf 2439 / 53
p0 1334 ± 1.314
1500
1450
1400
1350
1300
1250
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

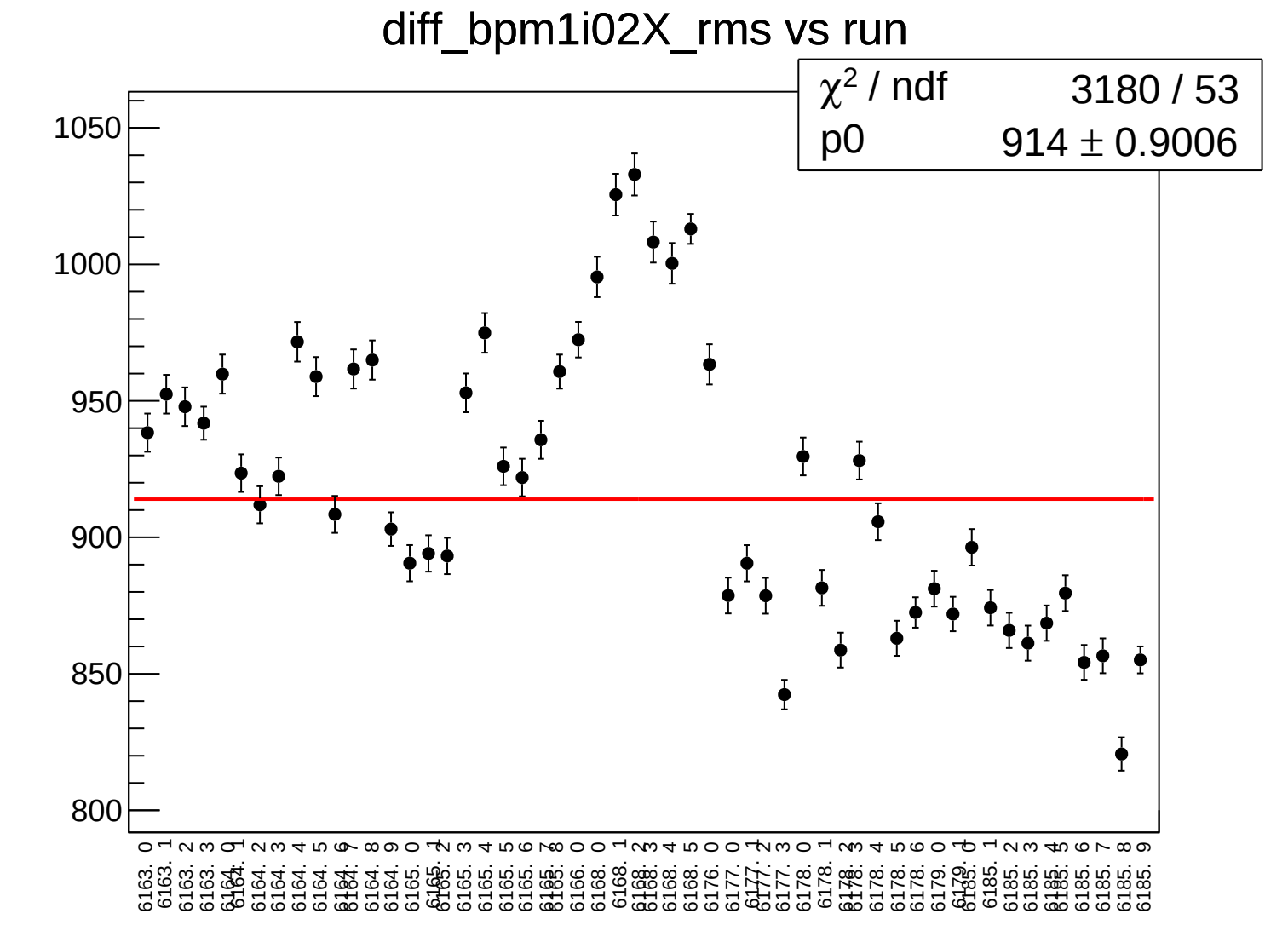

diff_bpm0i07Y_mean vs run
χ² / ndf 66.74 / 53
p0 15.97 ± 1.923
pull
Entries 54
Mean 0.4412
Std Dev 0

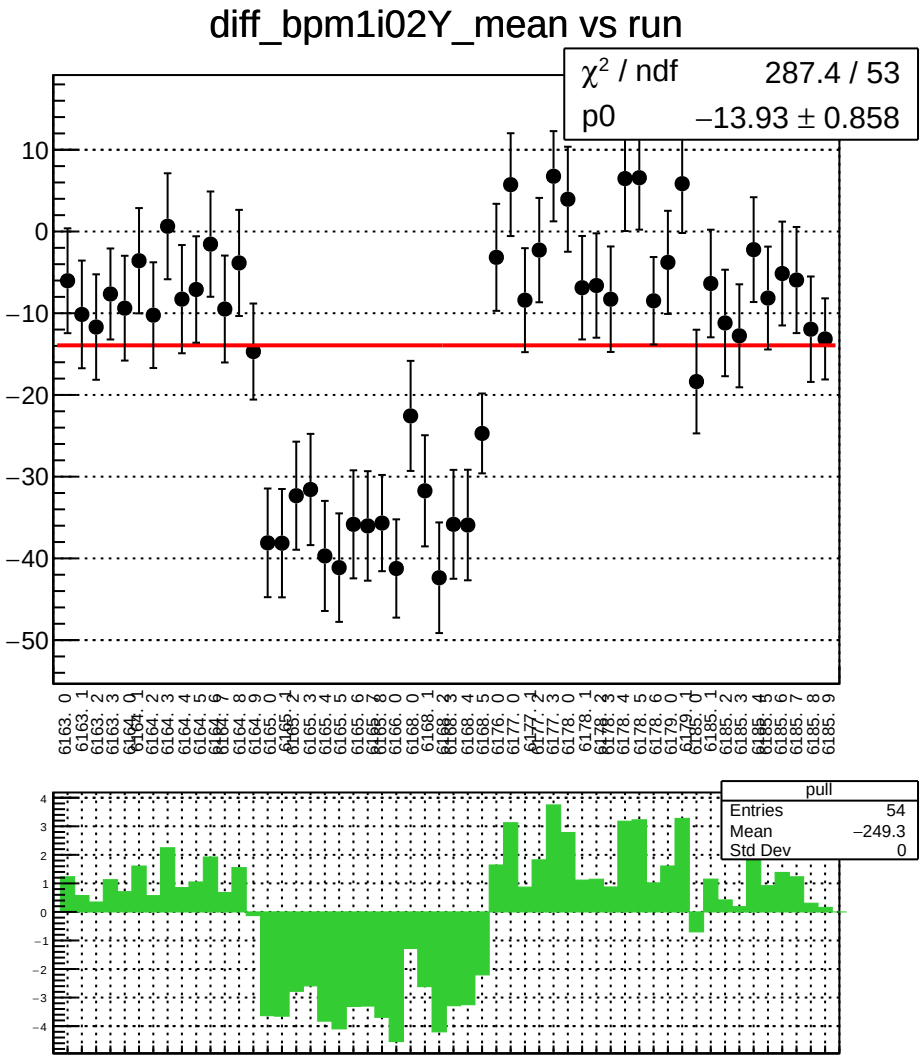

pull1D
Entries 54
Mean 0.01413
Std Dev 1.112

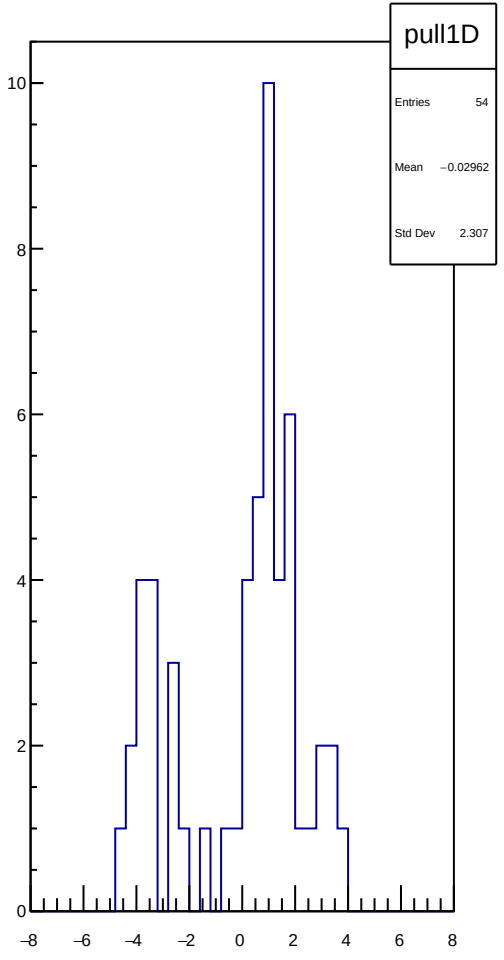

diff_bpm0i07Y_rms vs run
χ² / ndf 7318 / 53
p0 1377 ± 1.359
1700
1600
1500
1400
1300
1200
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

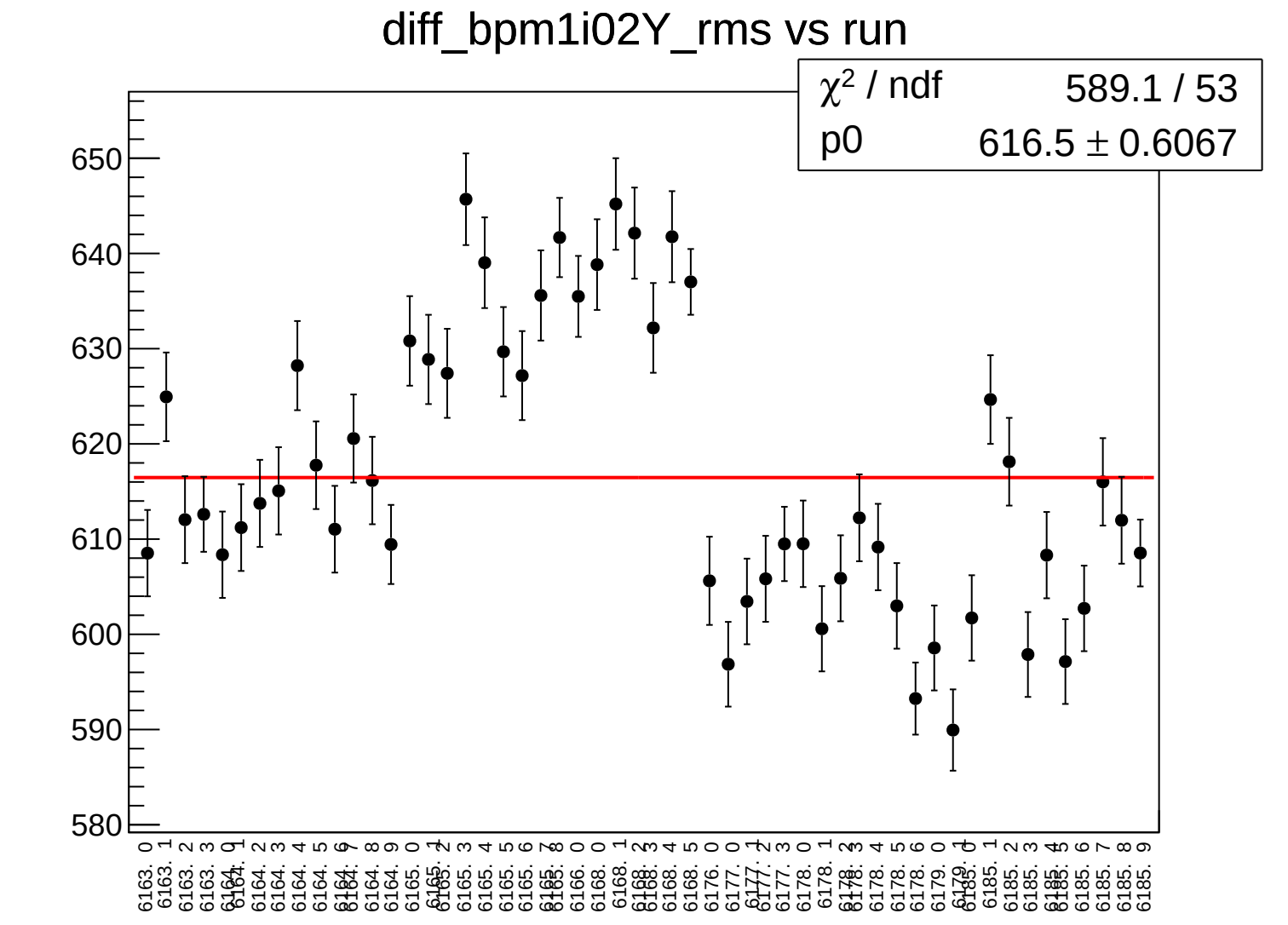

diff_bpm1i02X_mean vs run
χ² / ndf 132.4 / 53
p0 −128 ± 1.274
pull
Entries 54
Mean −96.47
Std Dev 0

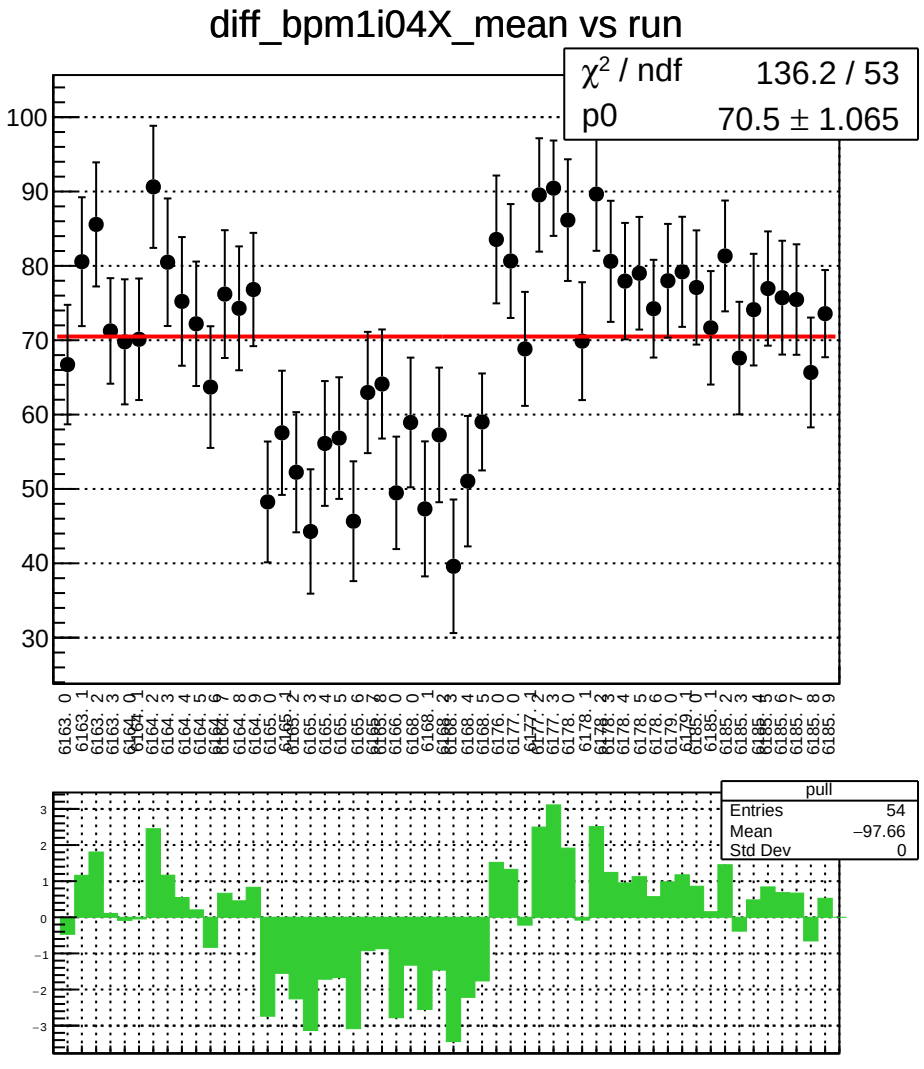

pull1D
Entries 54
Mean 0.03654
Std Dev 1.565

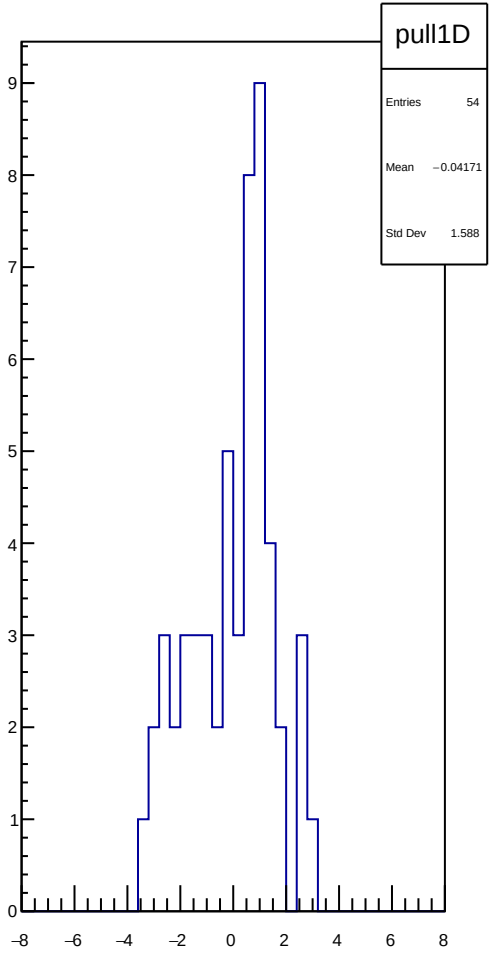

diff_bpm1i02X_rms vs run
χ² / ndf 3180 / 53
p0 914 ± 0.9006
1050
1000
950
900
850
800
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

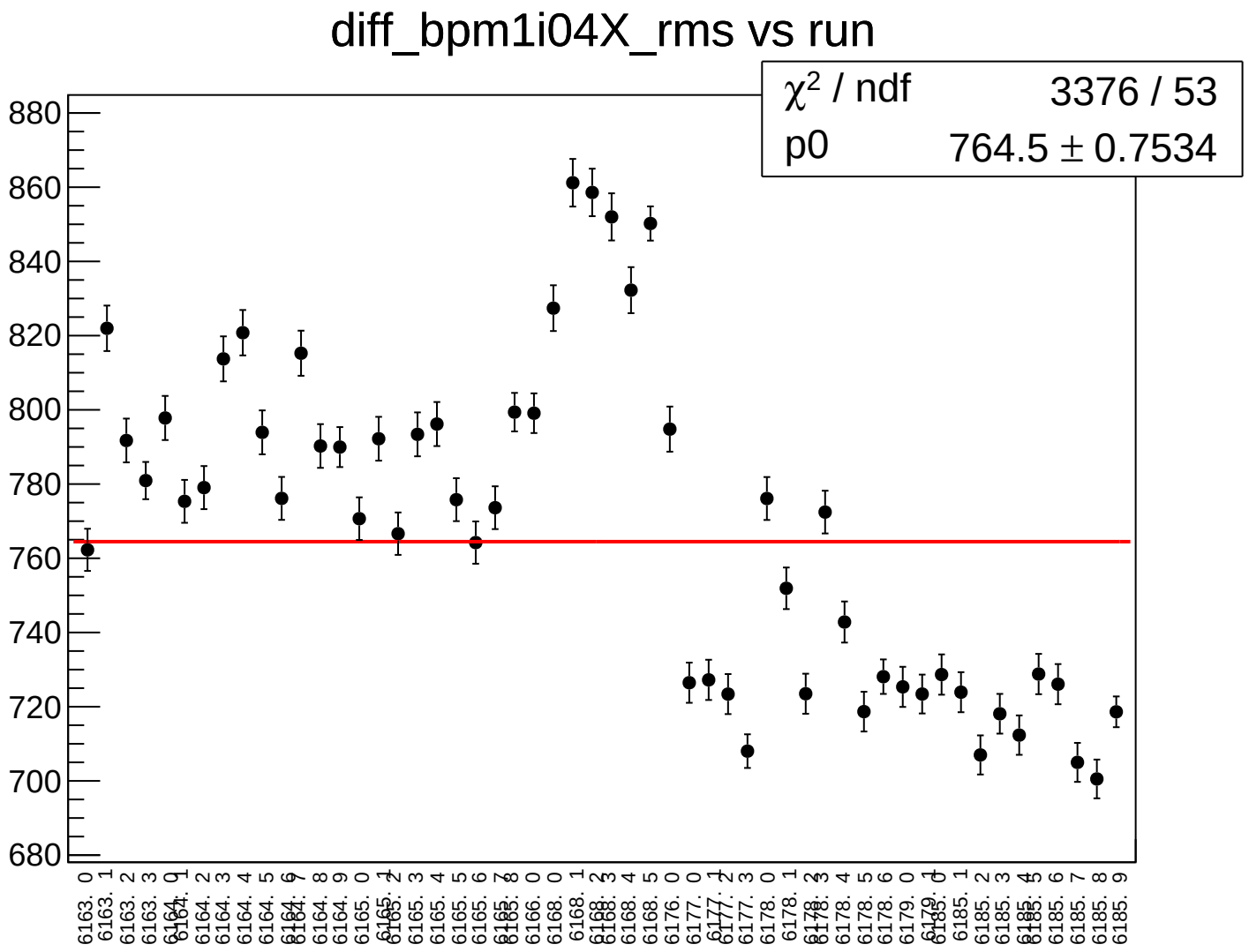

diff_bpm1i02Y_mean vs run
χ² / ndf 287.4 / 53
p0 −13.93 ± 0.858
pull
Entries 54
Mean −249.3
Std Dev 0

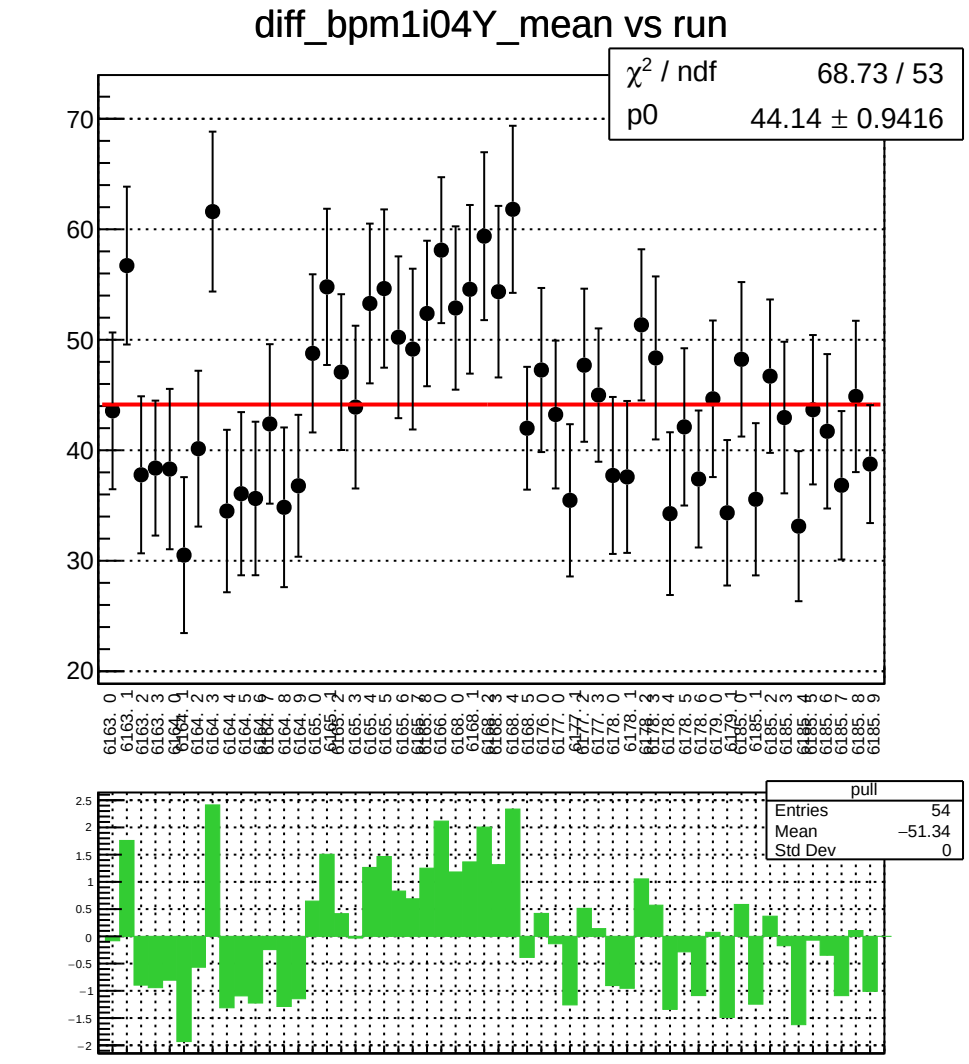

pull1D
Entries 54
Mean −0.02962
Std Dev 2.307

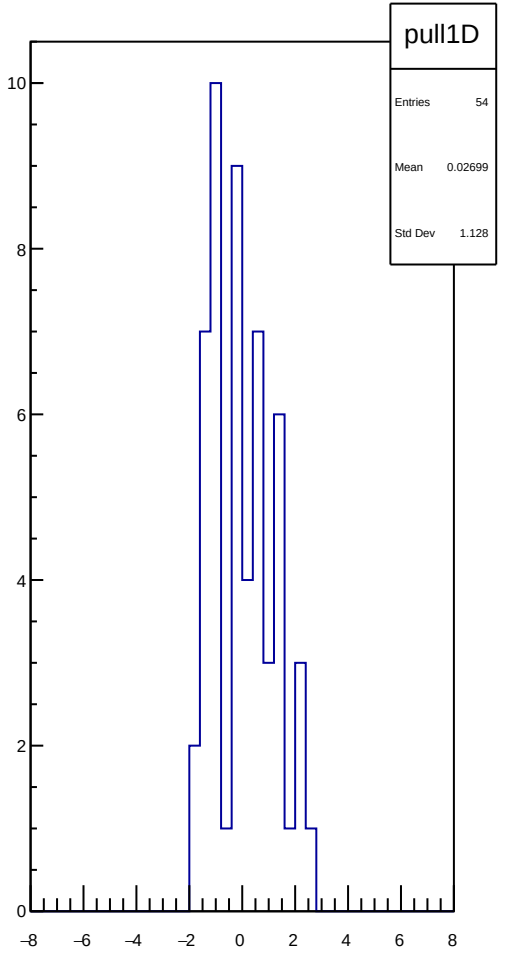

diff_bpm1i02Y_rms vs run
χ² / ndf 589.1 / 53
p0 616.5 ± 0.6067
650
640
630
620
610
600
590
580
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

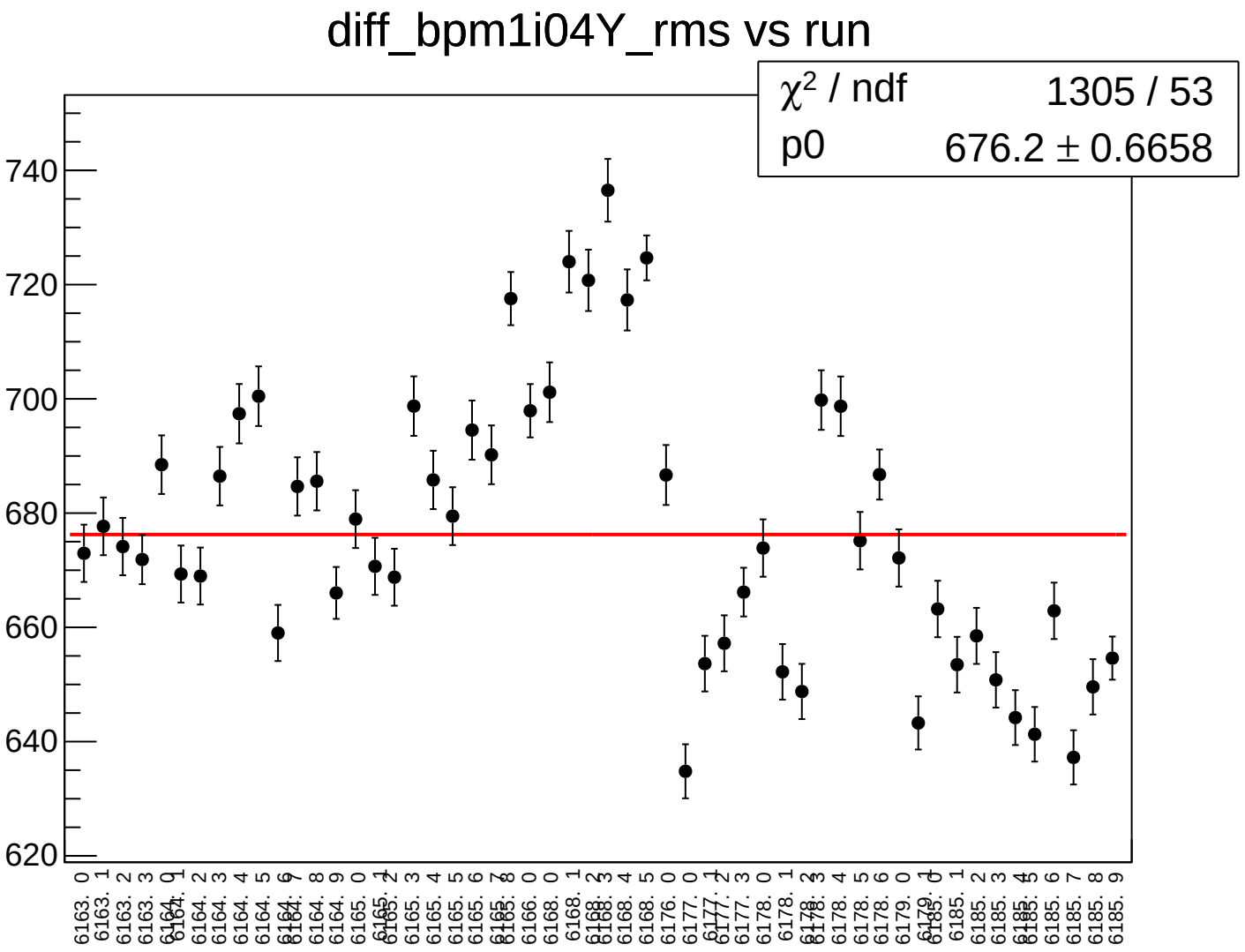

diff_bpm1i04X_mean vs run
χ^2 / ndf 136.2 / 53
p0 70.5 ± 1.065
pull
Entries 54
Mean −97.66
Std Dev 0

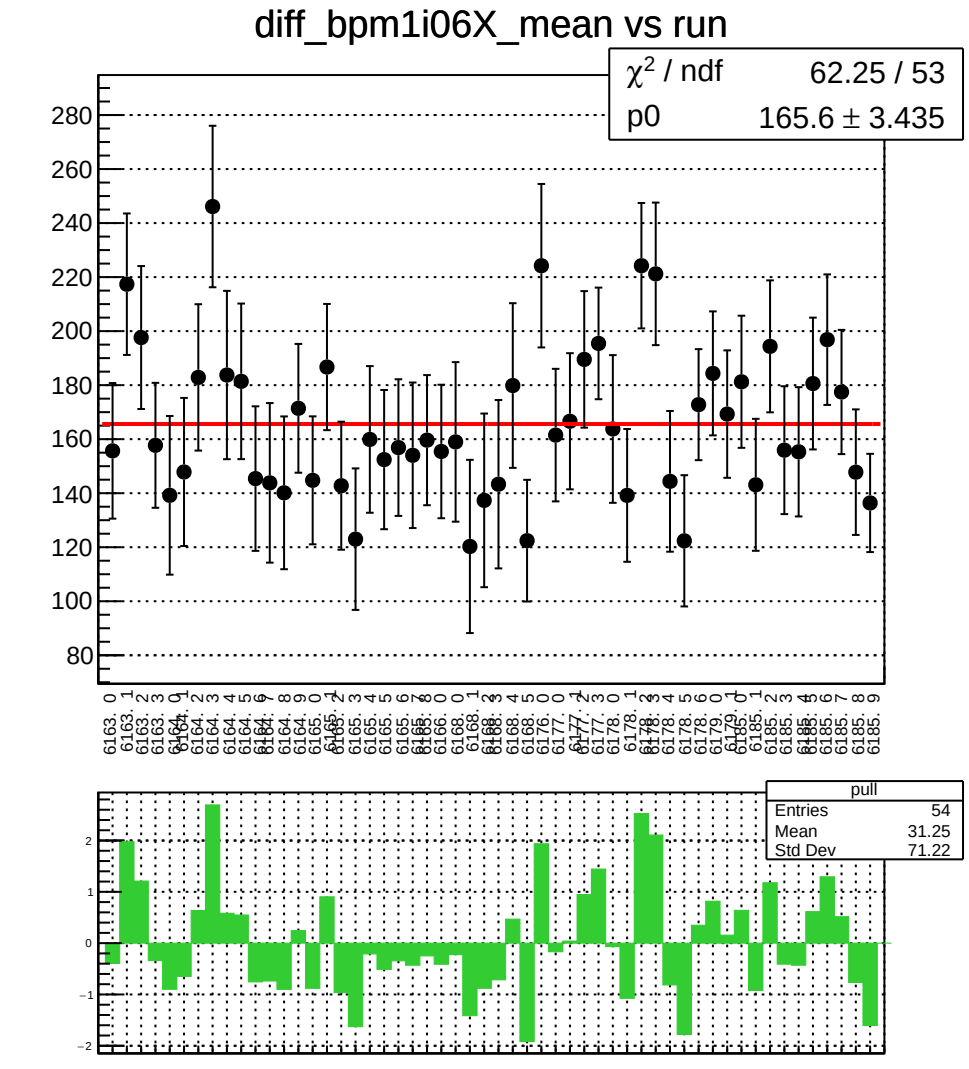

pull1D
Entries 54
Mean −0.04171
Std Dev 1.588

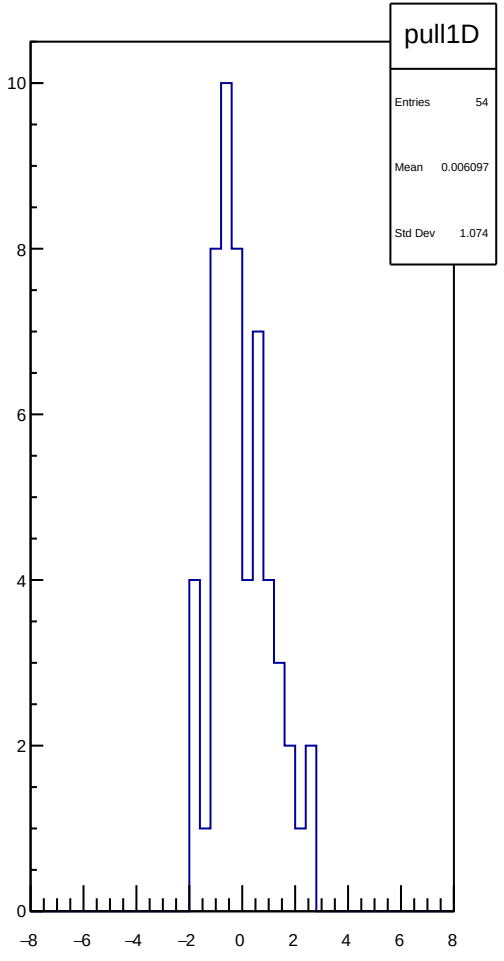

diff_bpm1i04X_rms vs run
χ² / ndf 3376 / 53
p0 764.5 ± 0.7534
880
860
840
820
800
780
760
740
720
700
680
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

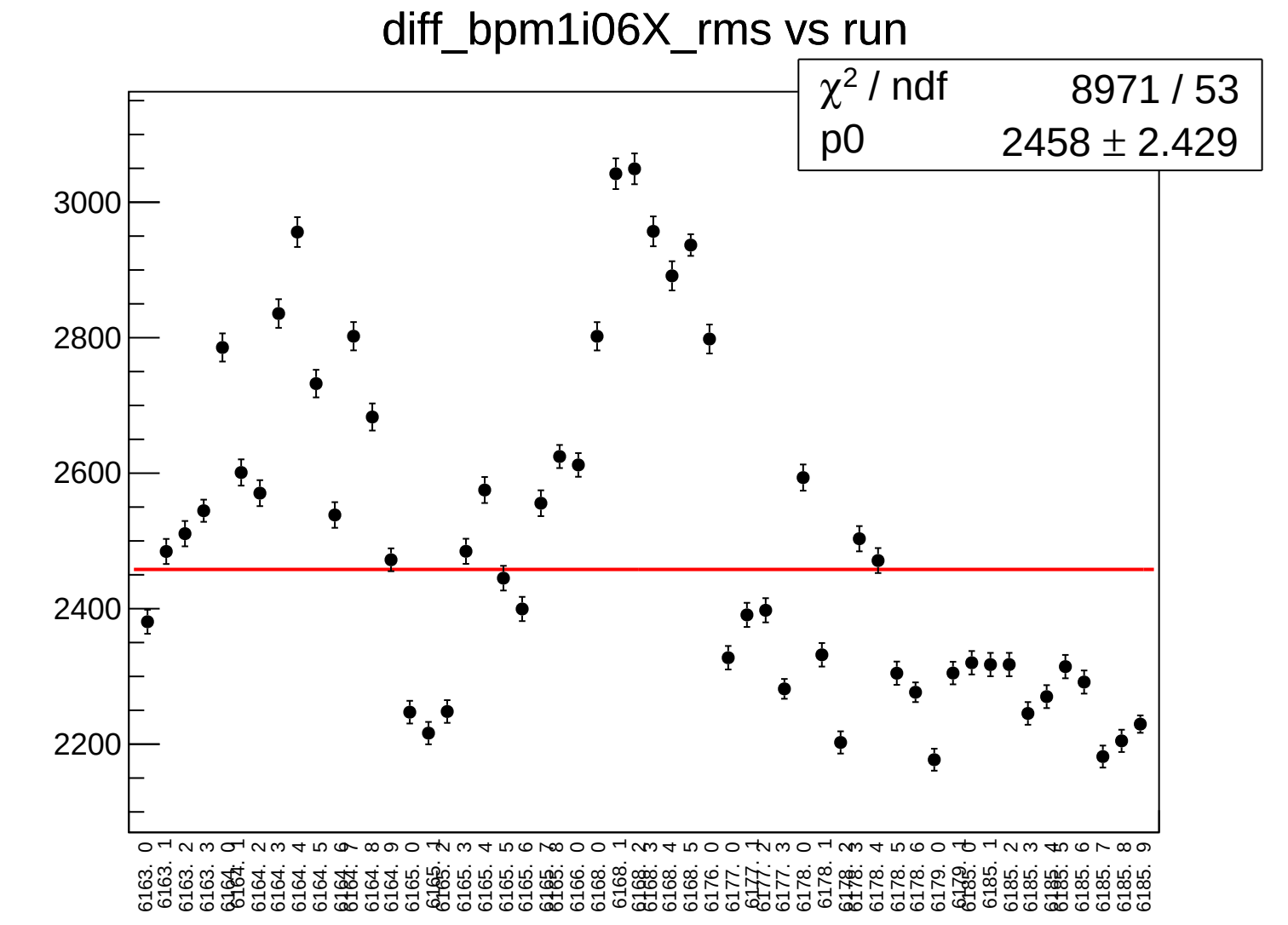

diff_bpm1i04Y_mean vs run
χ² / ndf 68.73 / 53
p0 44.14 ± 0.9416
pull
Entries 54
Mean −51.34
Std Dev 0

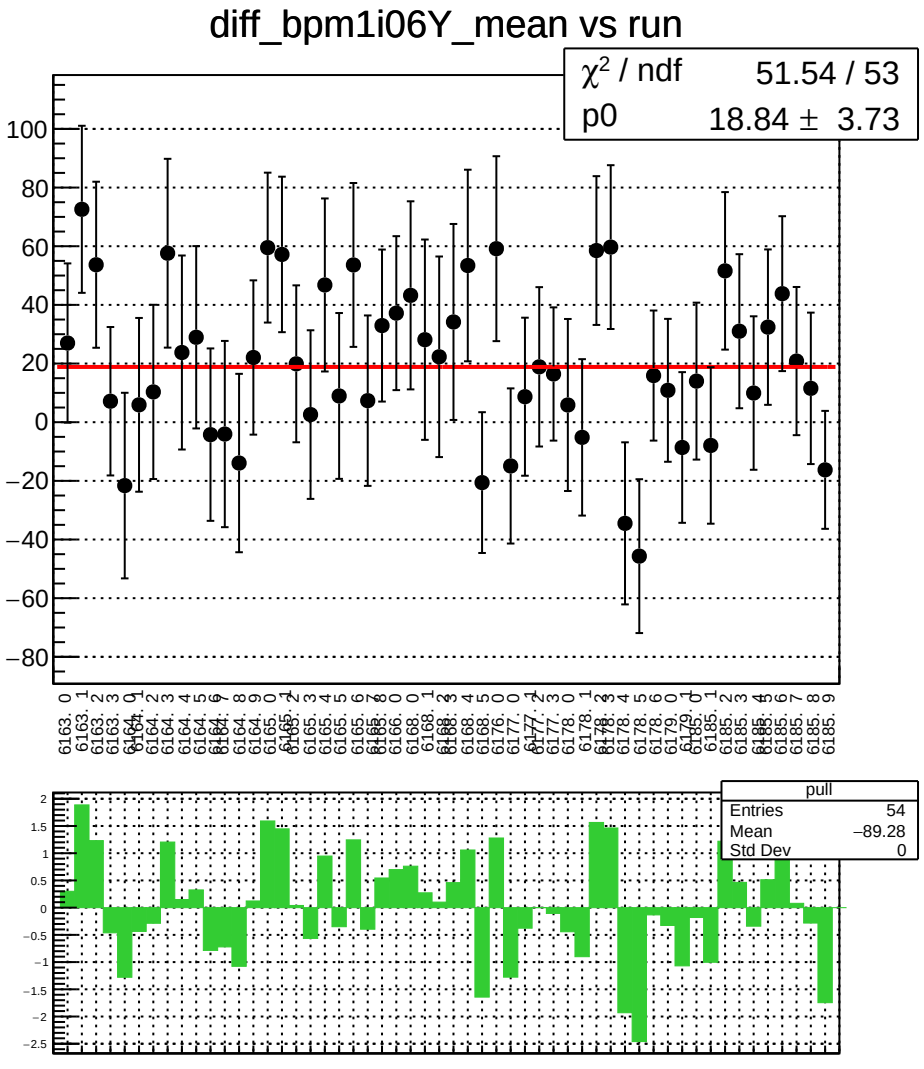

pull1D
Entries 54
Mean 0.02699
Std Dev 1.128

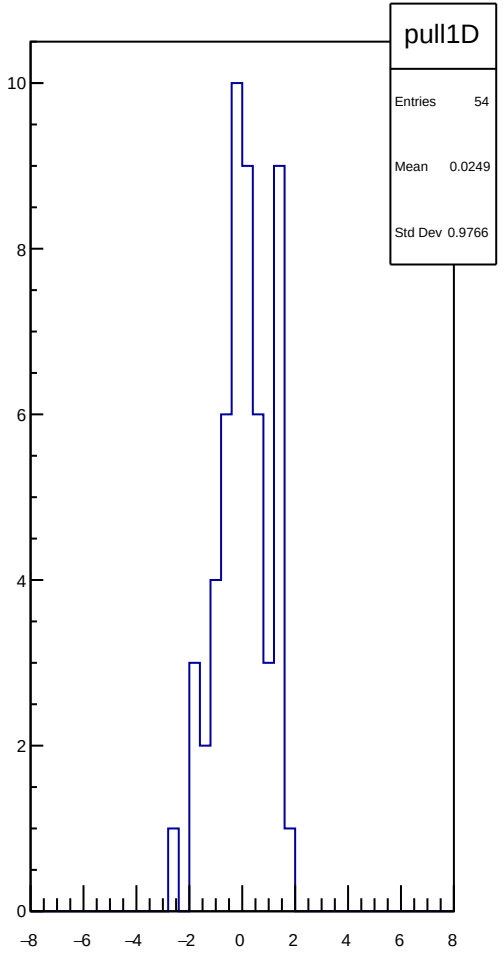

diff_bpm1i04Y_rms vs run
χ² / ndf 1305 / 53
p0 676.2 ± 0.6658
740
720
700
680
660
640
620
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

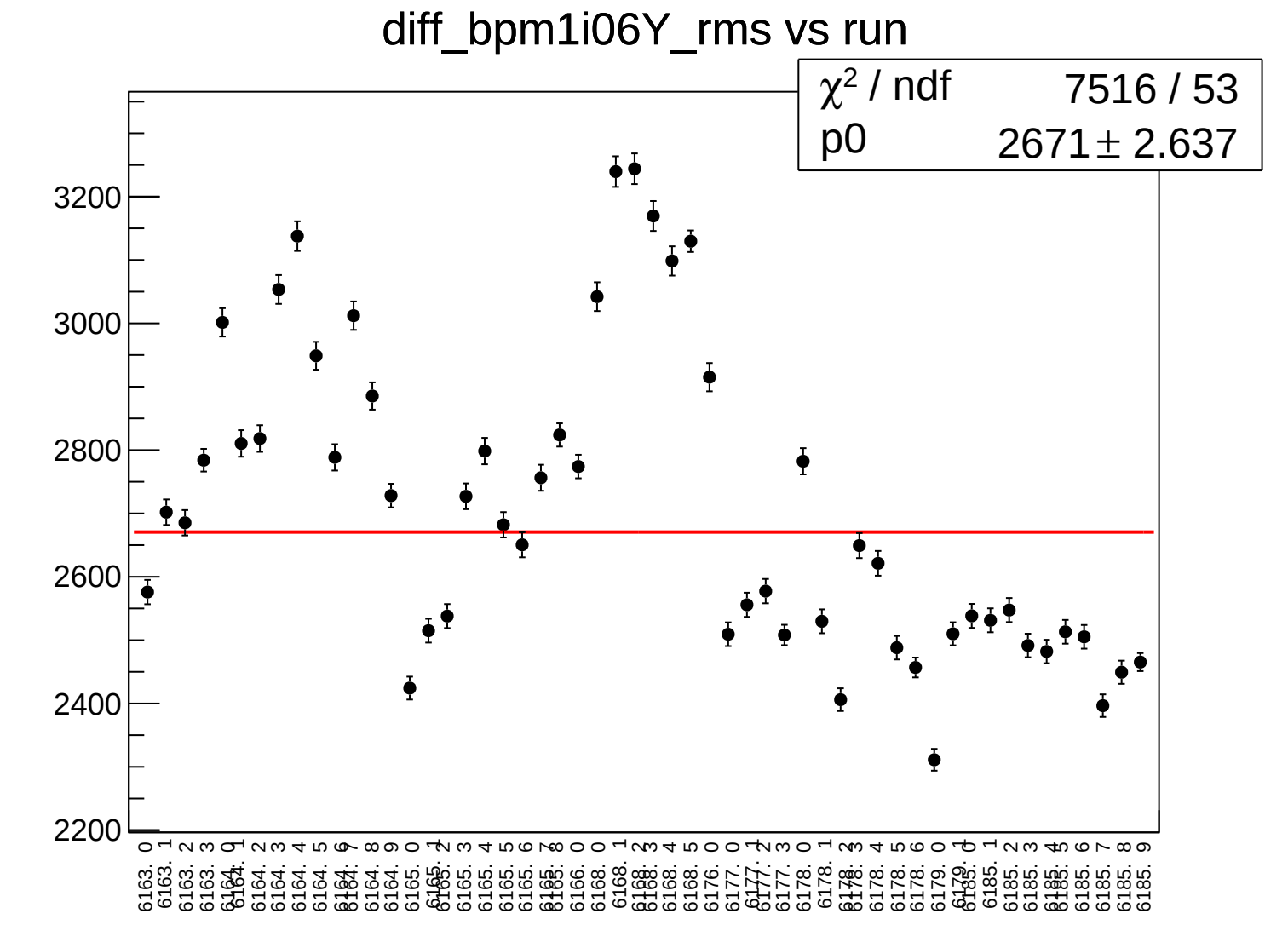

diff_bpm1i06X_mean vs run
χ² / ndf 62.25 / 53
p0 165.6 ± 3.435
pull
Entries 54
Mean 31.25
Std Dev 71.22

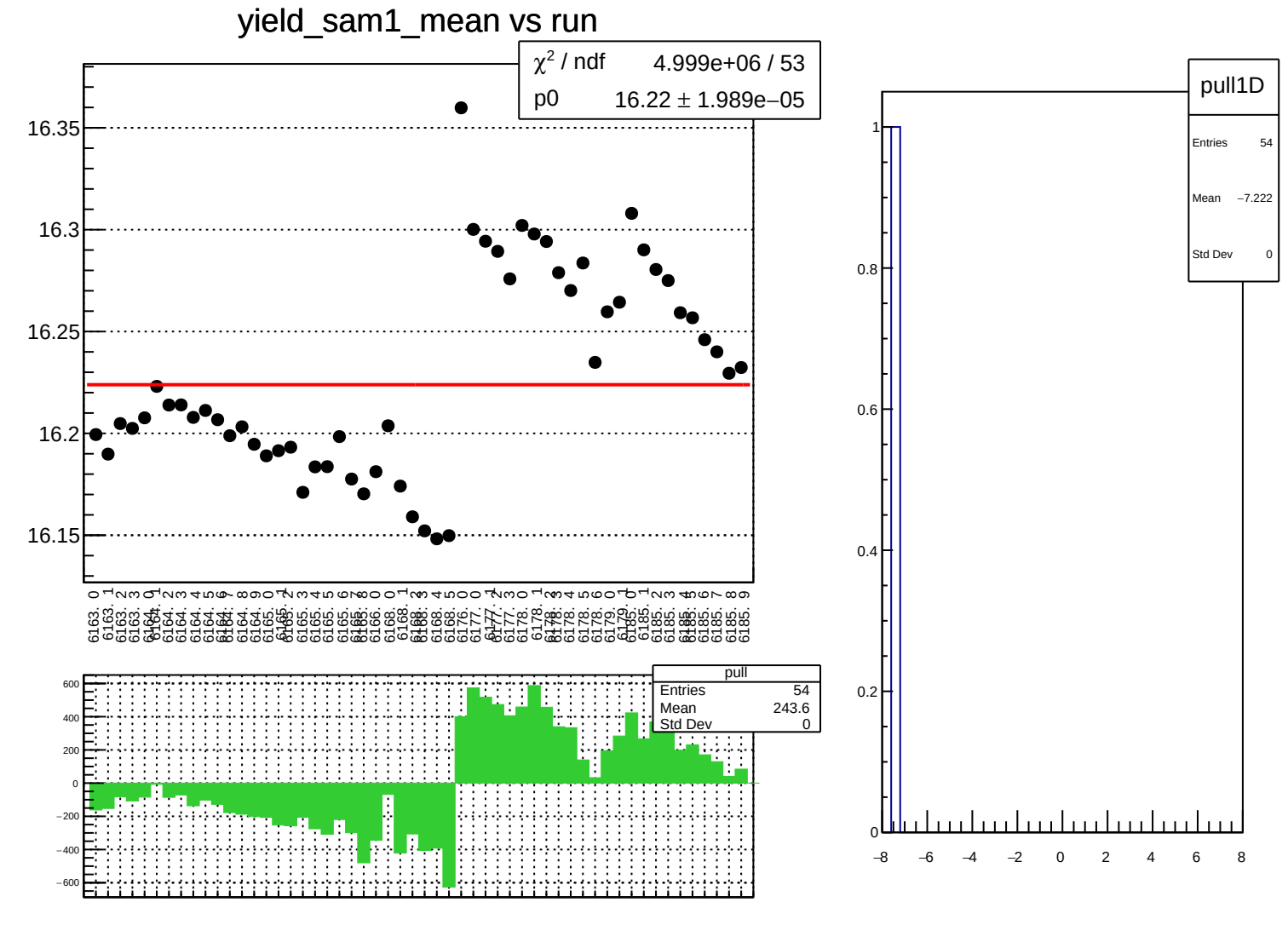

pull1D
Entries 54
Mean 0.006097
Std Dev 1.074

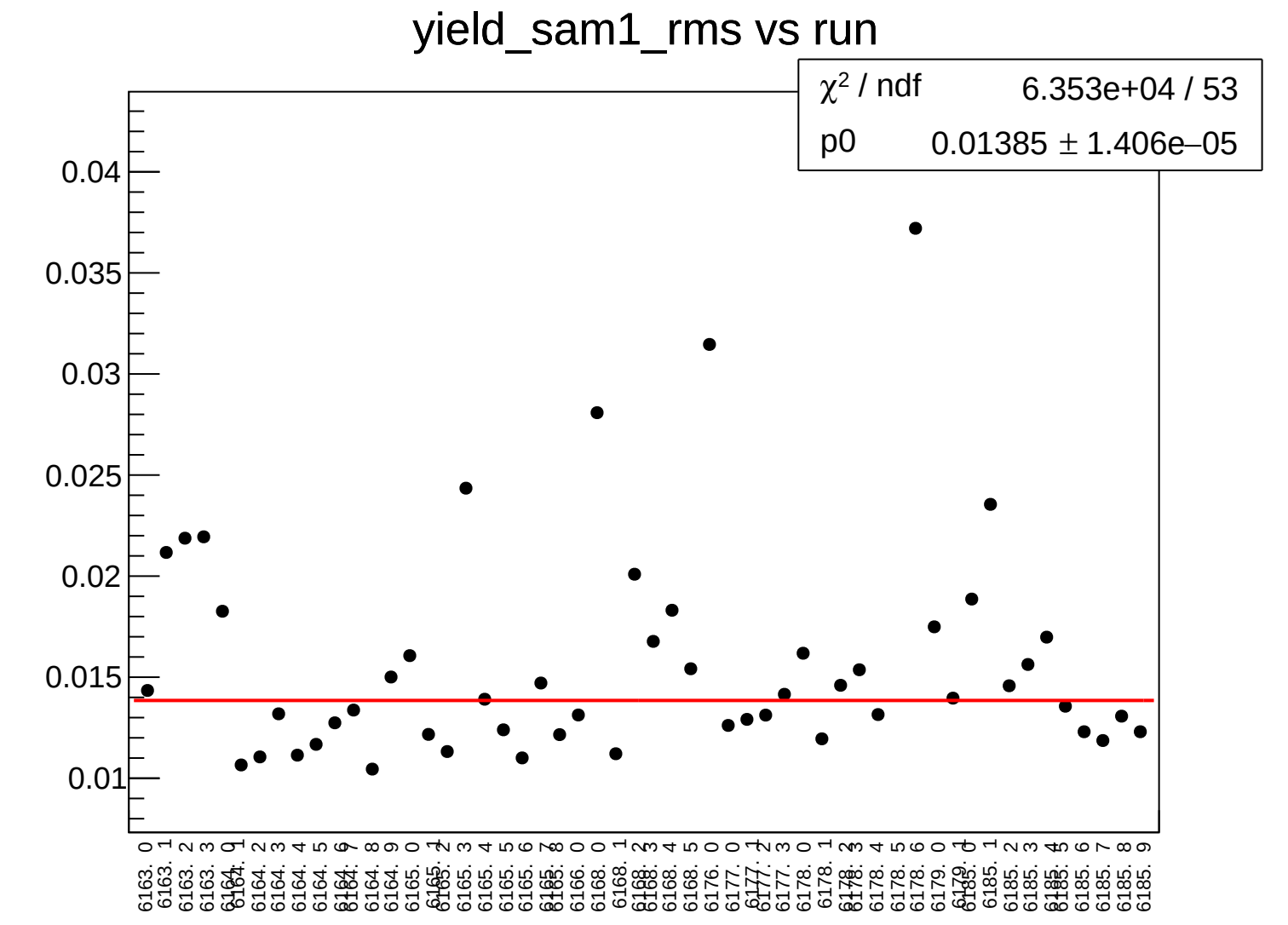

diff_bpm1i06X_rms vs run
χ² / ndf 8971 / 53
p0 2458 ± 2.429
3000
2800
2600
2400
2200
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

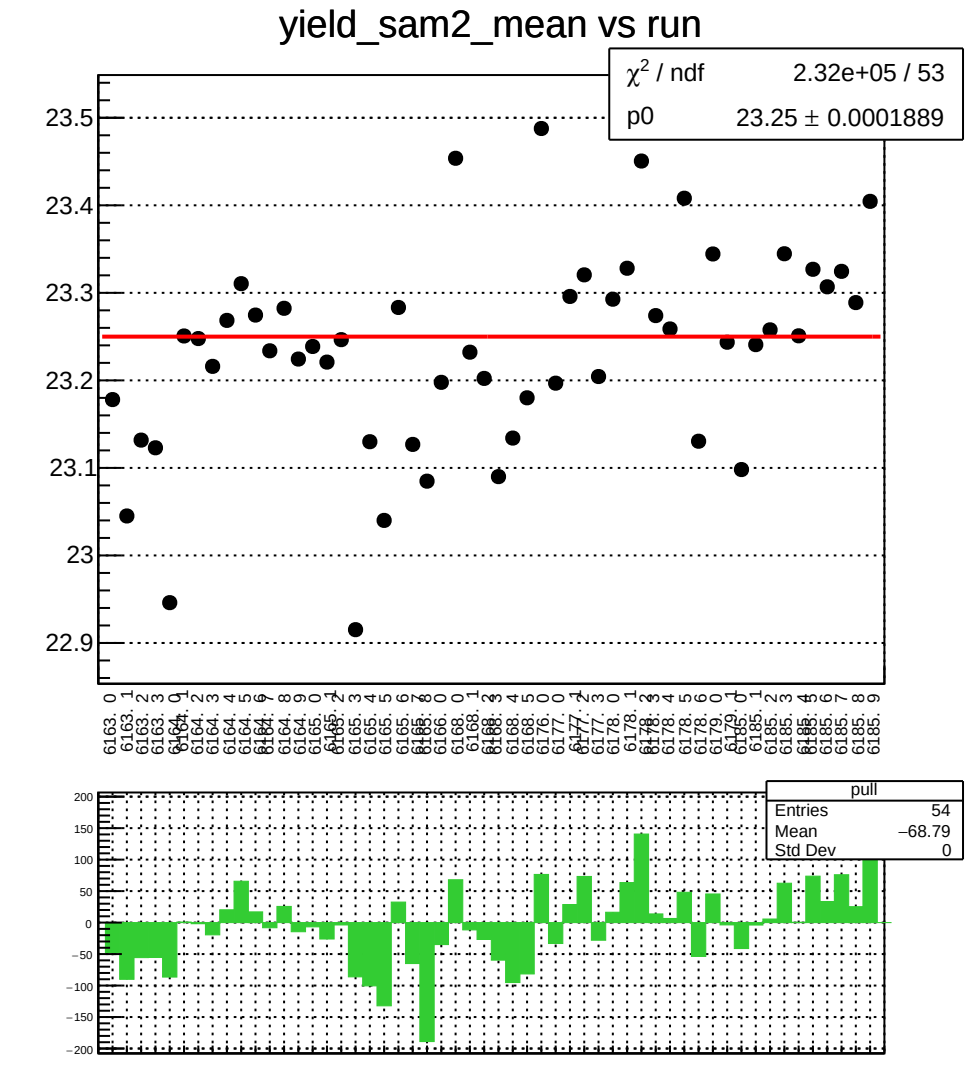

diff_bpm1i06Y_mean vs run
χ² / ndf 51.54 / 53
p0 18.84 ± 3.73
pull
Entries 54
Mean −89.28
Std Dev 0

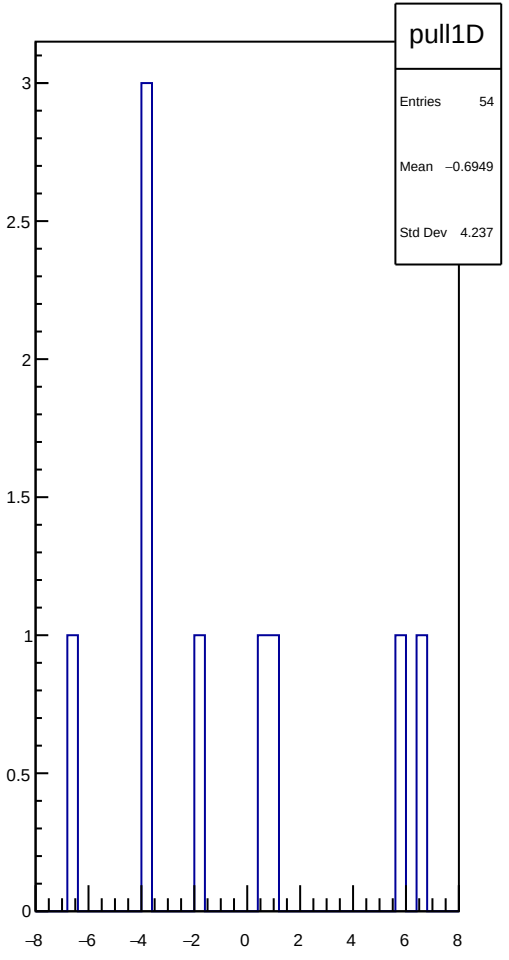

pull1D
Entries 54
Mean 0.0249
Std Dev 0.9766

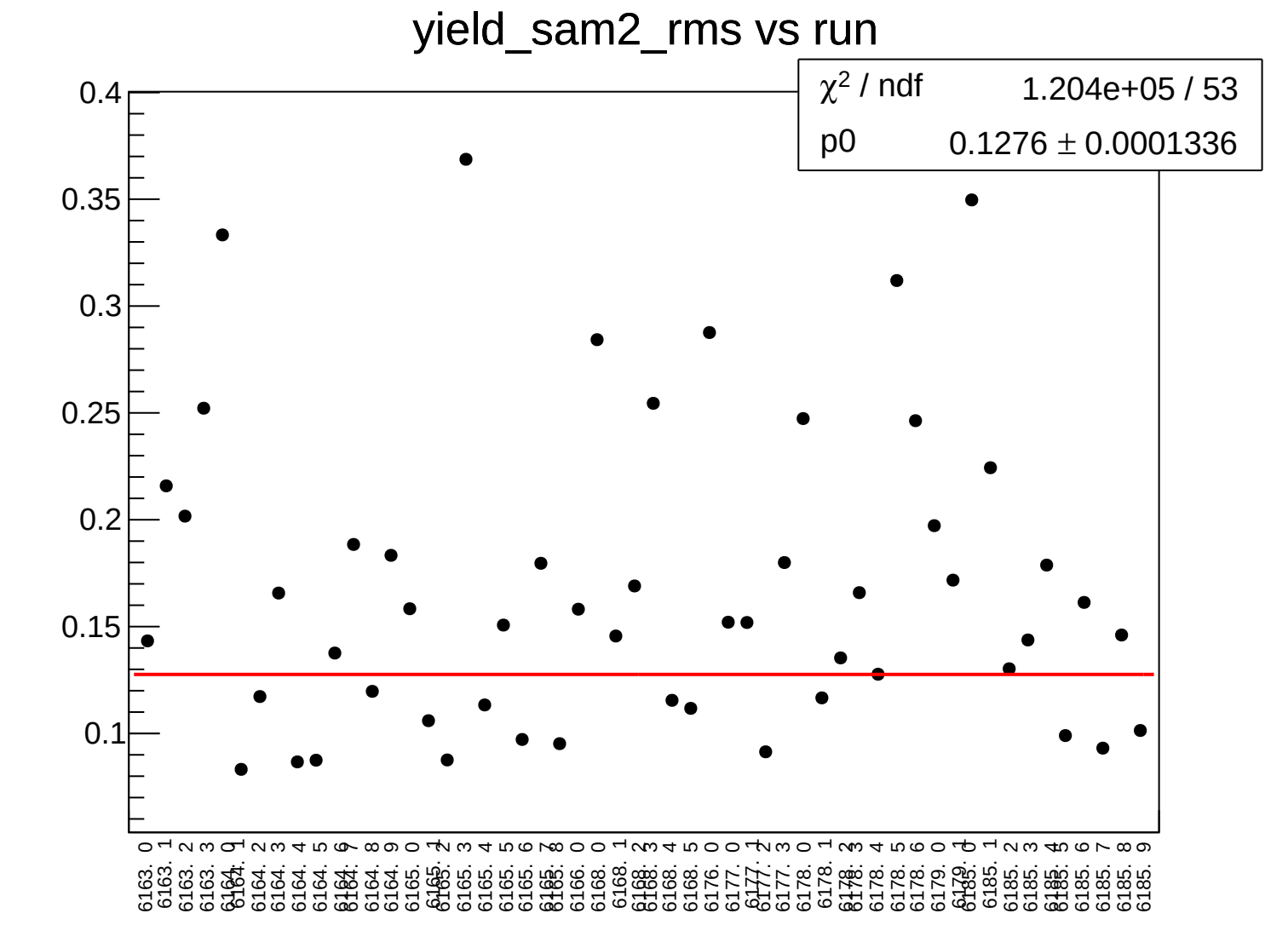

diff_bpm1i06Y_rms vs run
χ² / ndf 7516 / 53
p0 2671 ± 2.637
3200
3000
2800
2600
2400
2200
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 5
6185. 6
6185. 7
6185. 8
6185. 9

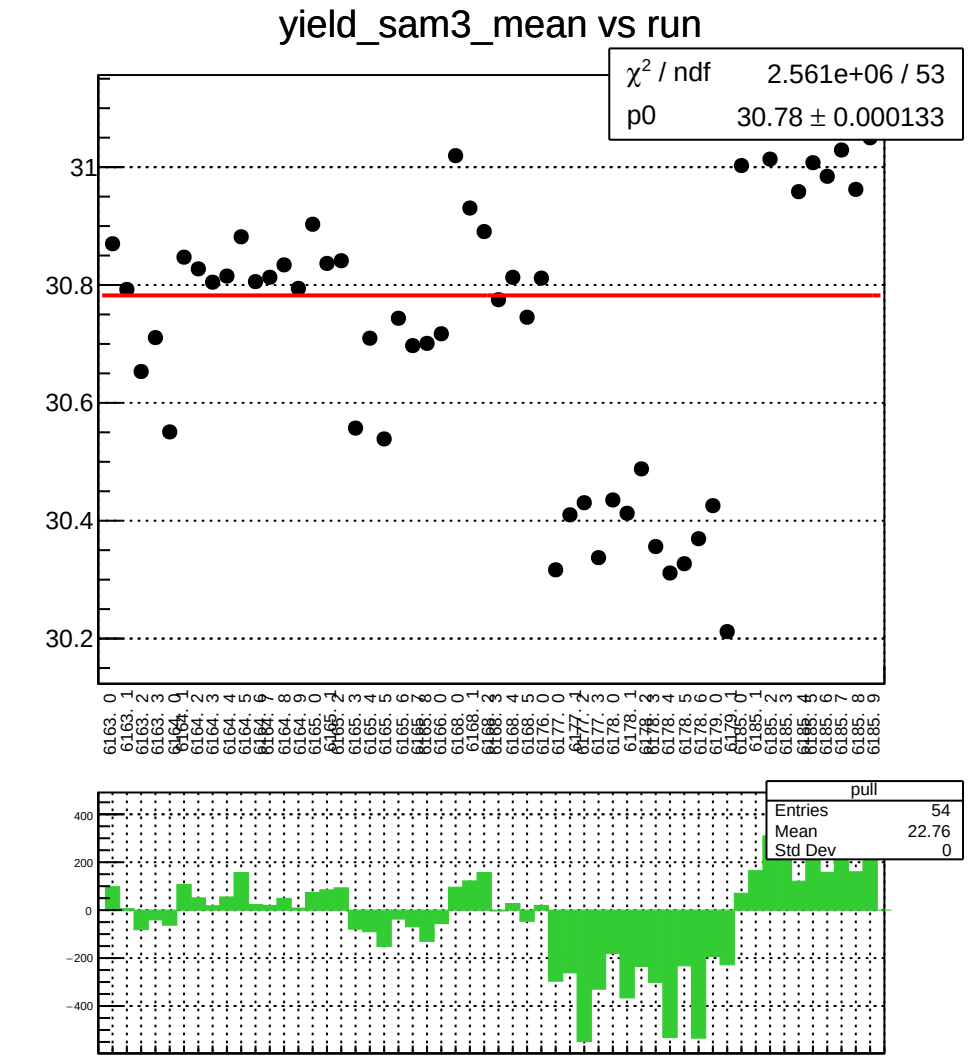

yield_sam1_mean vs run
χ² / ndf 4.999e+06 / 53
p0 16.22 ± 1.989e−05
16.35
16.3
16.25
16.2
16.15
pull
Entries 54
Mean 243.6
Std Dev 0
600
400
200
0
−200
−400
−600
pull1D
Entries 54
Mean −7.222
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

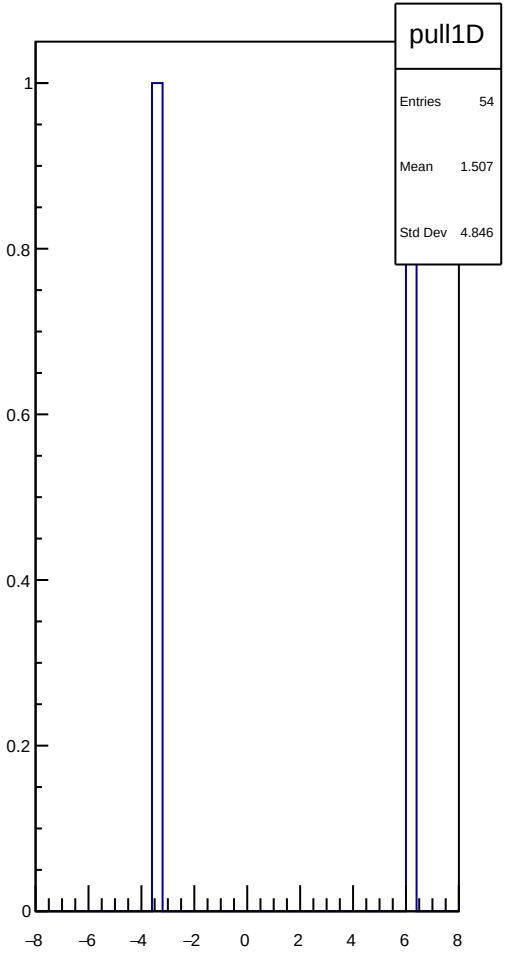

yield_sam1_rms vs run
χ² / ndf 6.353e+04 / 53
p0 0.01385 ± 1.406e−05
0.04
0.035
0.03
0.025
0.02
0.015
0.01
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

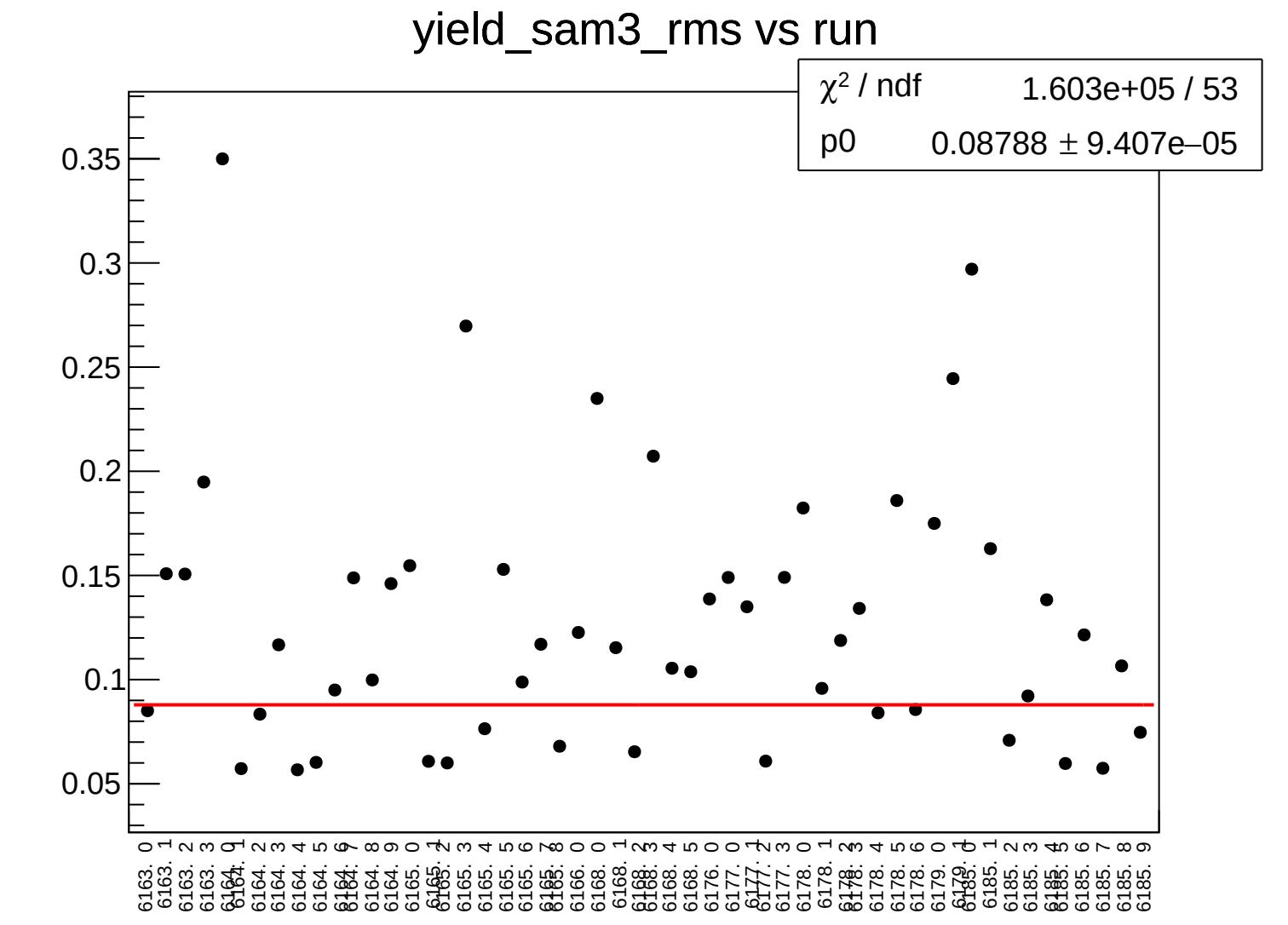

yield_sam2_mean vs run
χ² / ndf 2.32e+05 / 53
p0 23.25 ± 0.0001889
23.5
23.4
23.3
23.2
23.1
23
22.9
pull
Entries 54
Mean −68.79
Std Dev 0
200
150
100
50
0
−50
−100
−150
−200

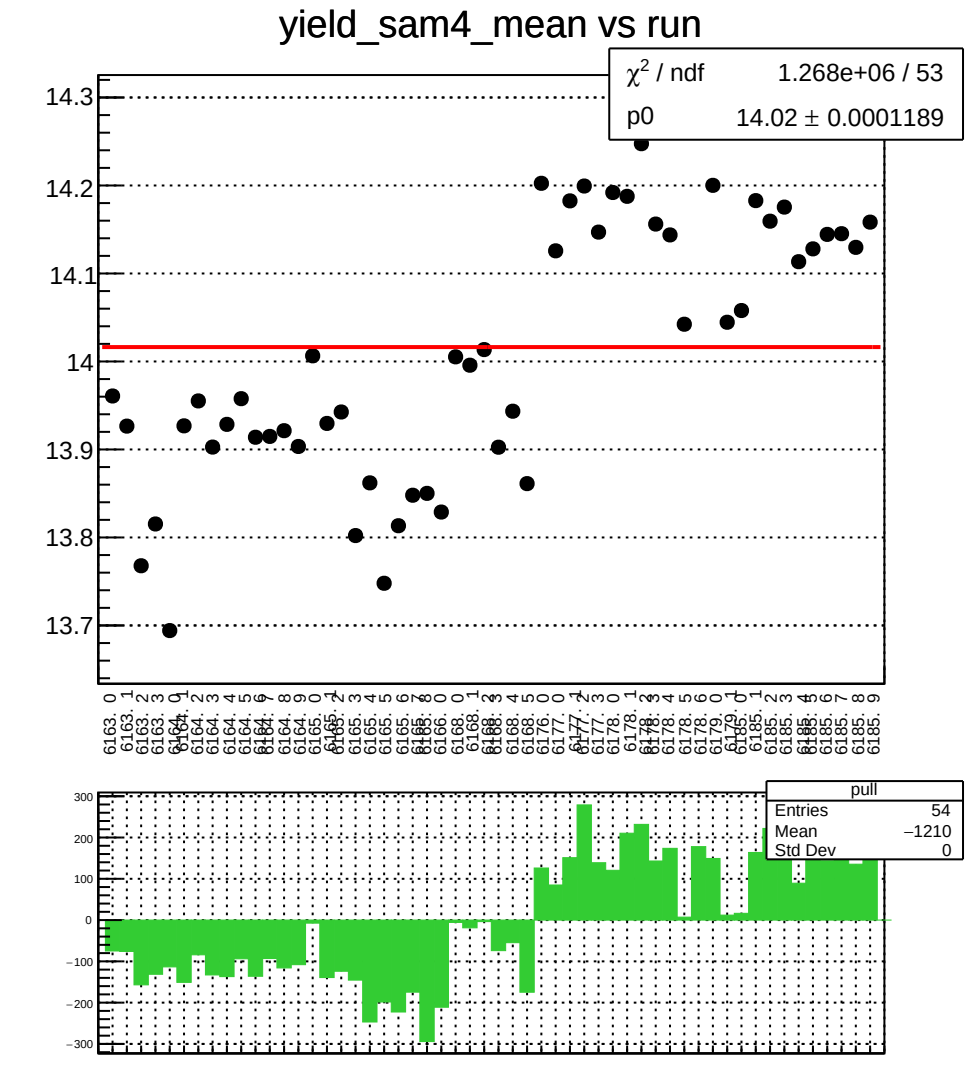

pull1D
Entries 54
Mean −0.6949
Std Dev 4.237
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

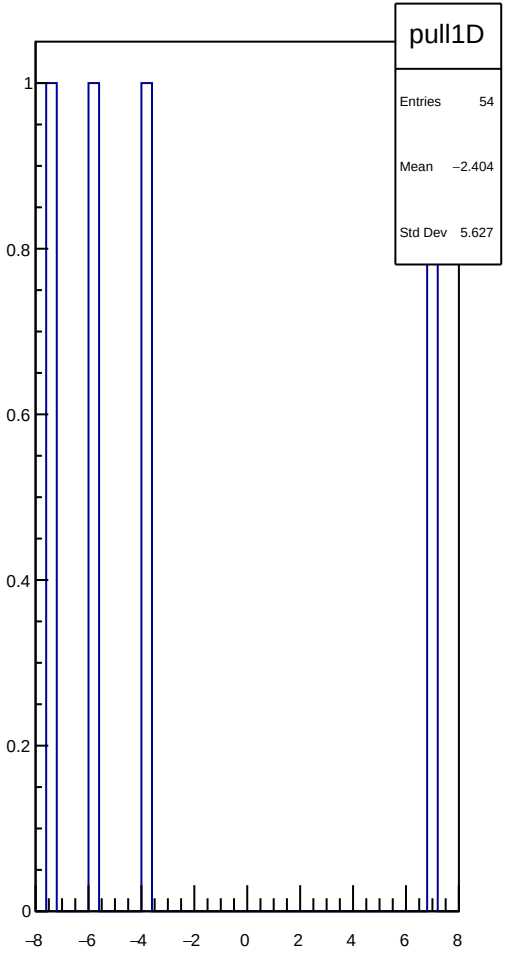

yield_sam2_rms vs run
χ² / ndf 1.204e+05 / 53
p0 0.1276 ± 0.0001336
0.4
0.35
0.3
0.25
0.2
0.15
0.1
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

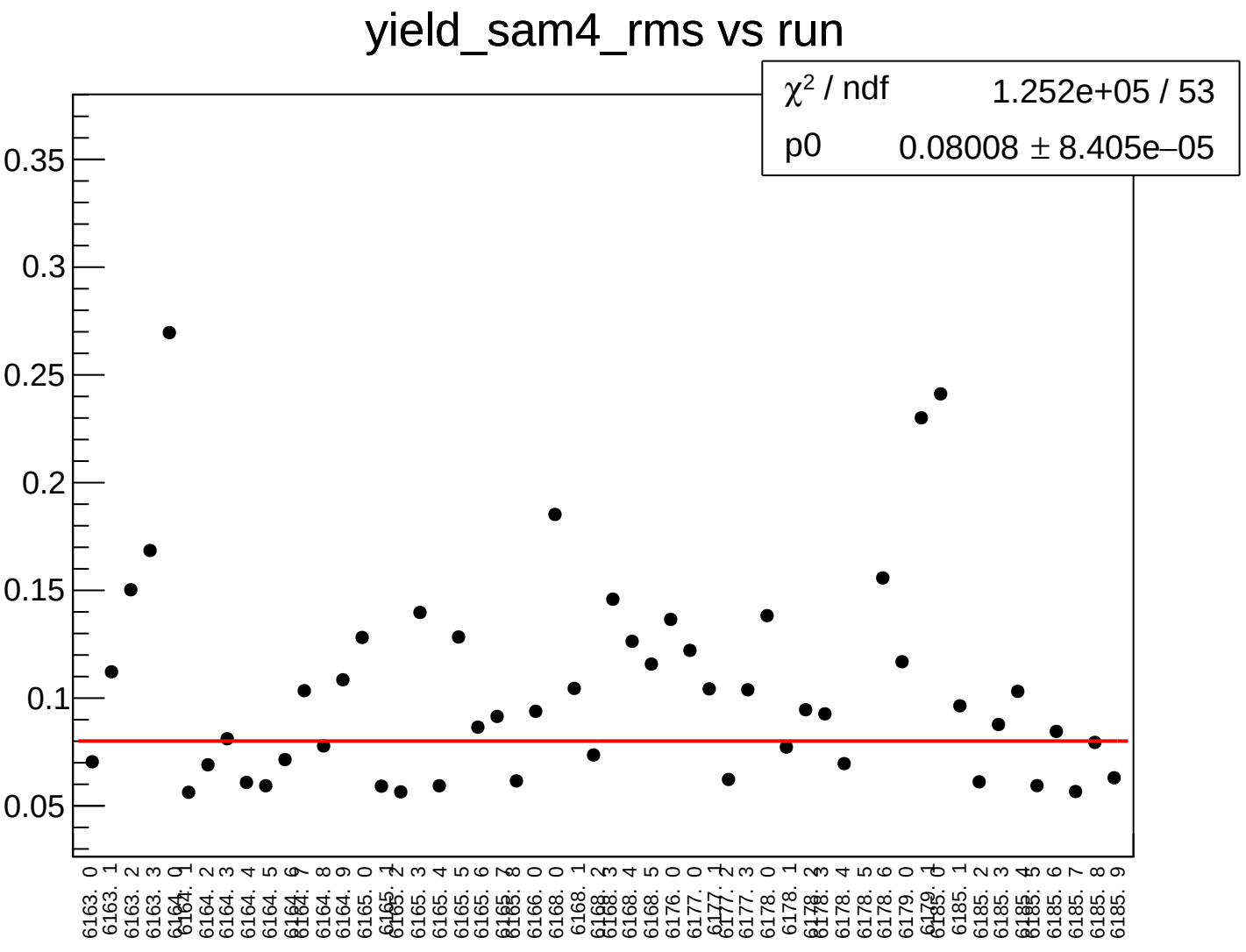

yield_sam3_mean vs run
χ² / ndf 2.561e+06 / 53
p0 30.78 ± 0.000133
31
30.8
30.6
30.4
30.2
pull
Entries 54
Mean 22.76
Std Dev 0
400
200
0
−200
−400

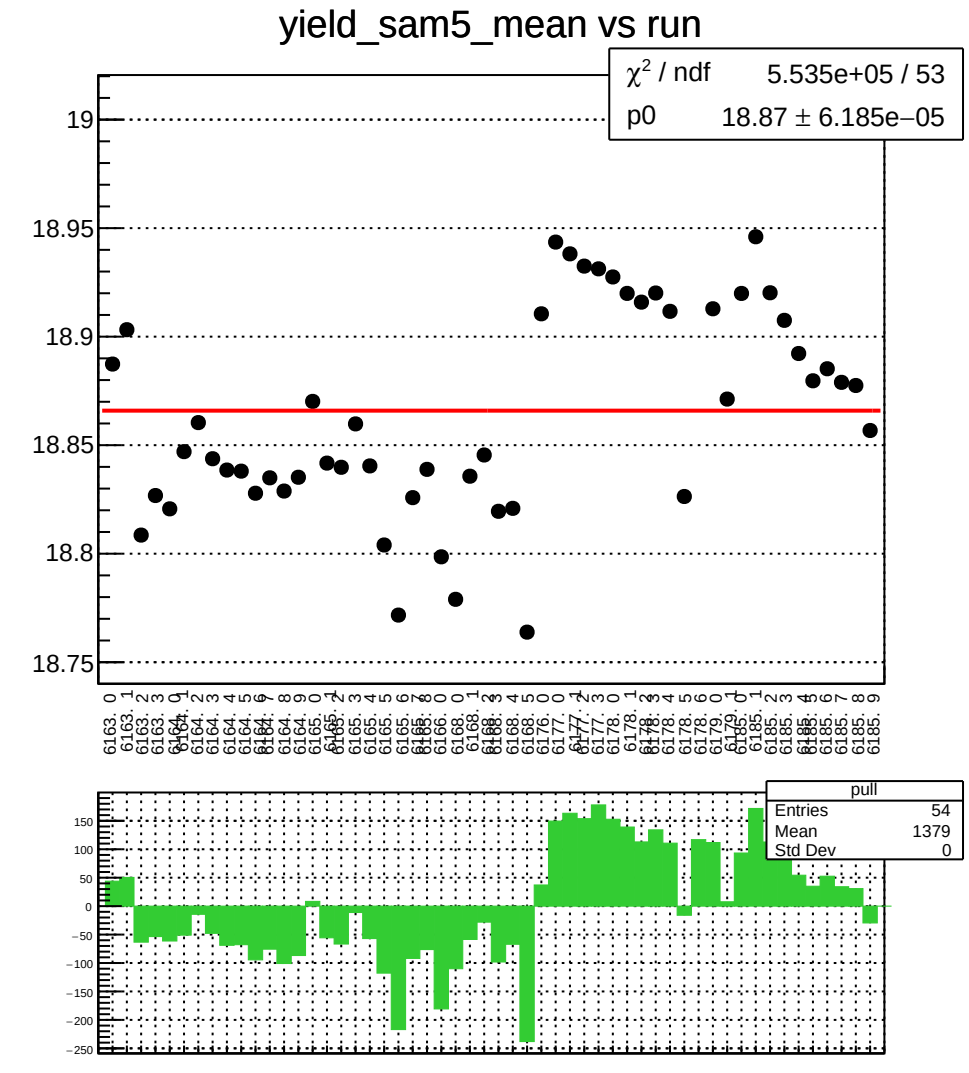

pull1D
Entries 54
Mean 1.507
Std Dev 4.846
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

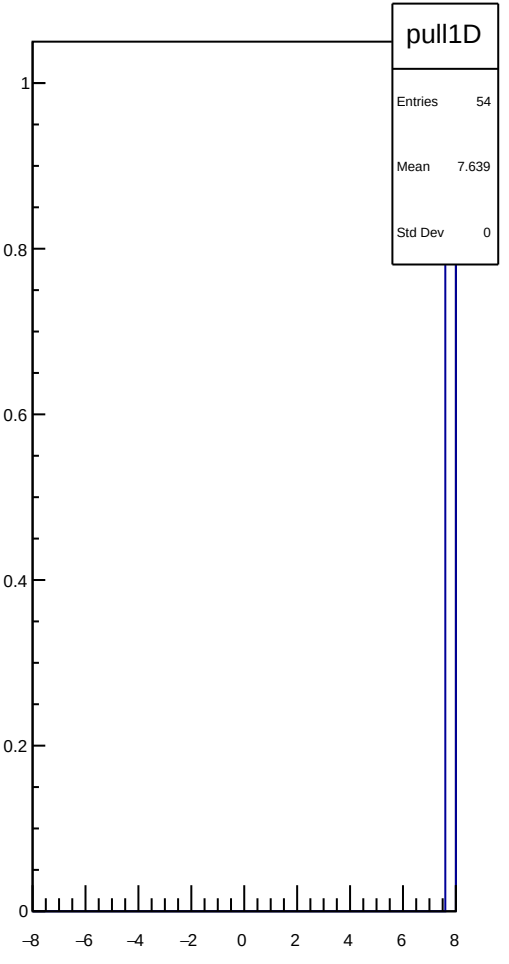

yield_sam3_rms vs run
χ² / ndf 1.603e+05 / 53
p0 0.08788 ± 9.407e–05
0.35
0.3
0.25
0.2
0.15
0.1
0.05
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

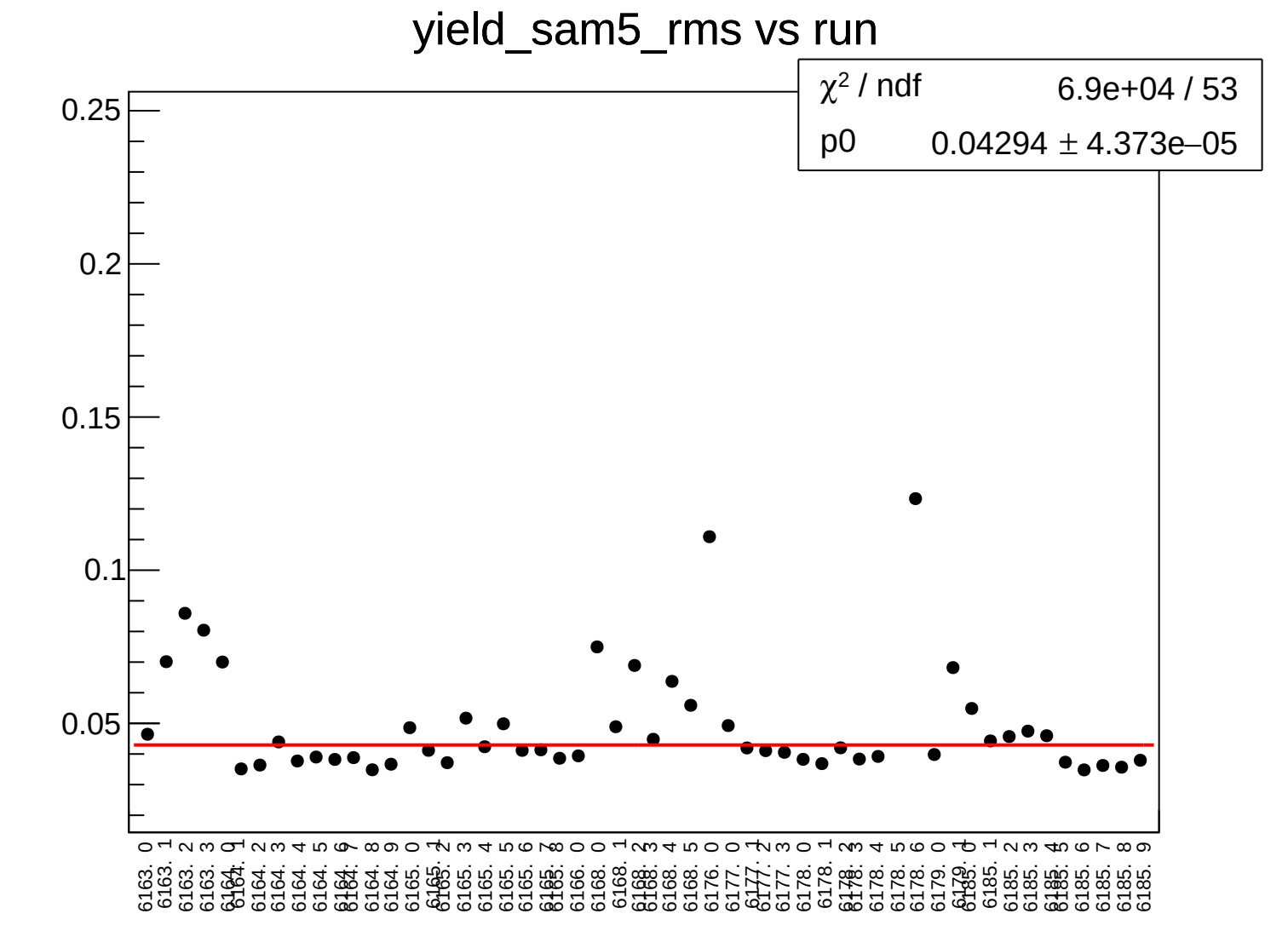

yield_sam4_mean vs run
χ² / ndf 1.268e+06 / 53
p0 14.02 ± 0.0001189
14.3
14.2
14.1
14
13.9
13.8
13.7
pull
Entries 54
Mean −1210
Std Dev 0
300
200
100
0
−100
−200
−300

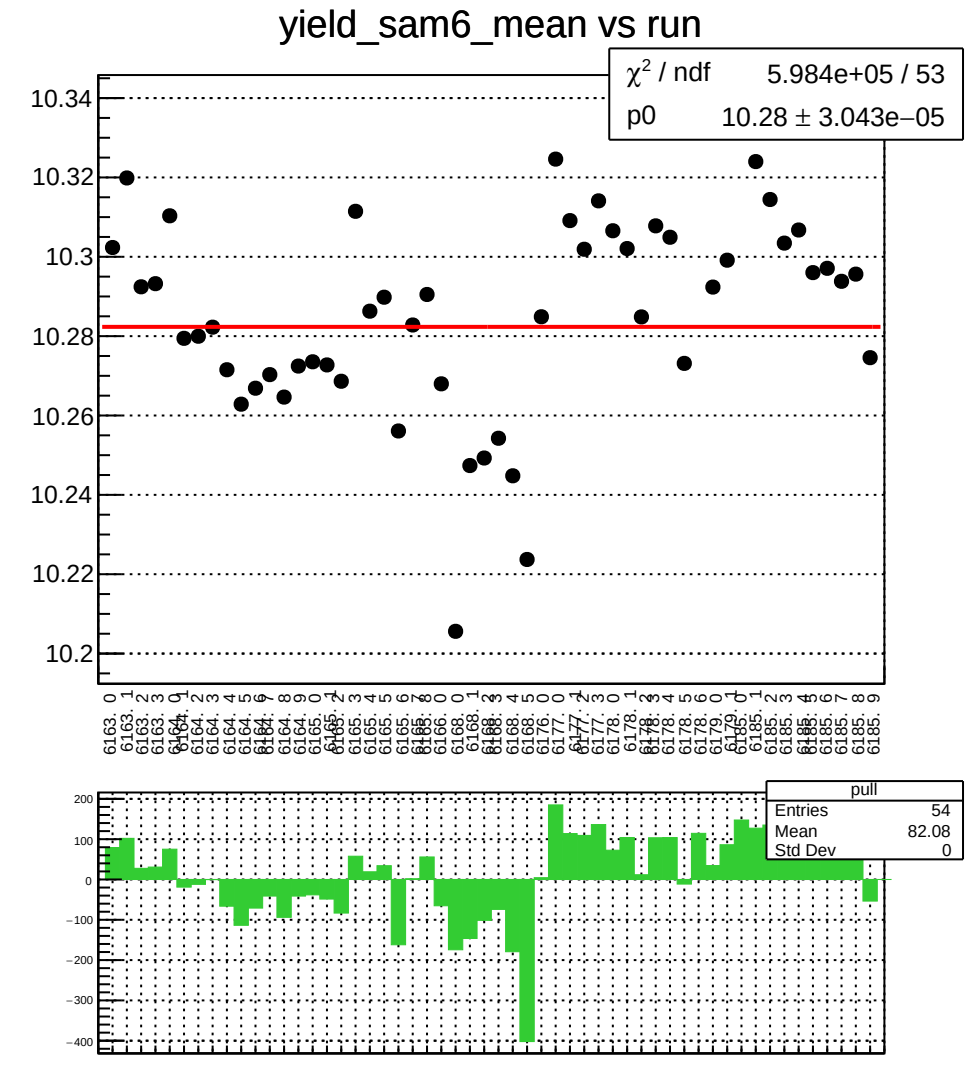

pull1D
Entries 54
Mean −2.404
Std Dev 5.627
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

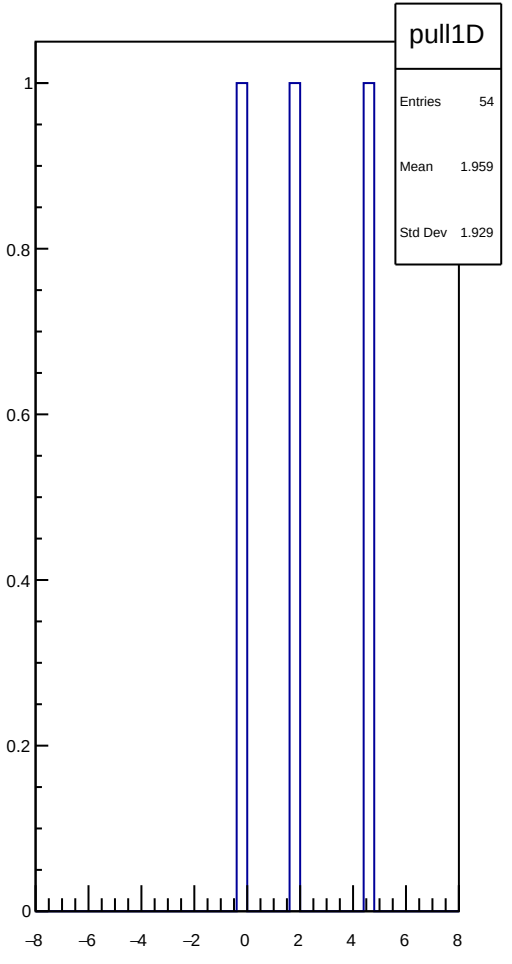

yield_sam4_rms vs run
χ² / ndf 1.252e+05 / 53
p0 0.08008 ± 8.405e−05
0.35
0.3
0.25
0.2
0.15
0.1
0.05
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

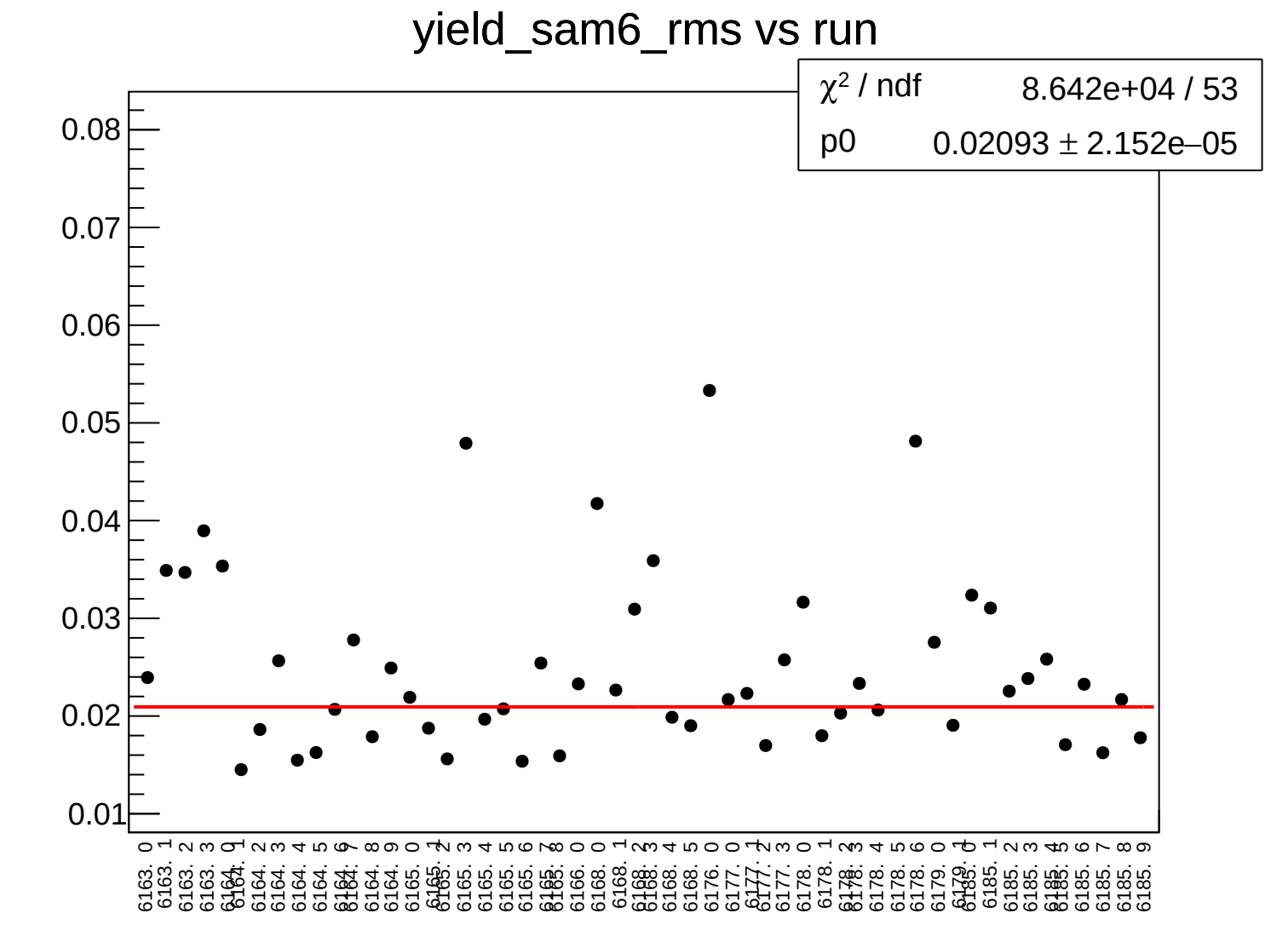

yield_sam5_mean vs run
χ² / ndf 5.535e+05 / 53
p0 18.87 ± 6.185e−05
19
18.95
18.9
18.85
18.8
18.75
pull
Entries 54
Mean 1379
Std Dev 0
150
100
50
0
−50
−100
−150
−200
−250

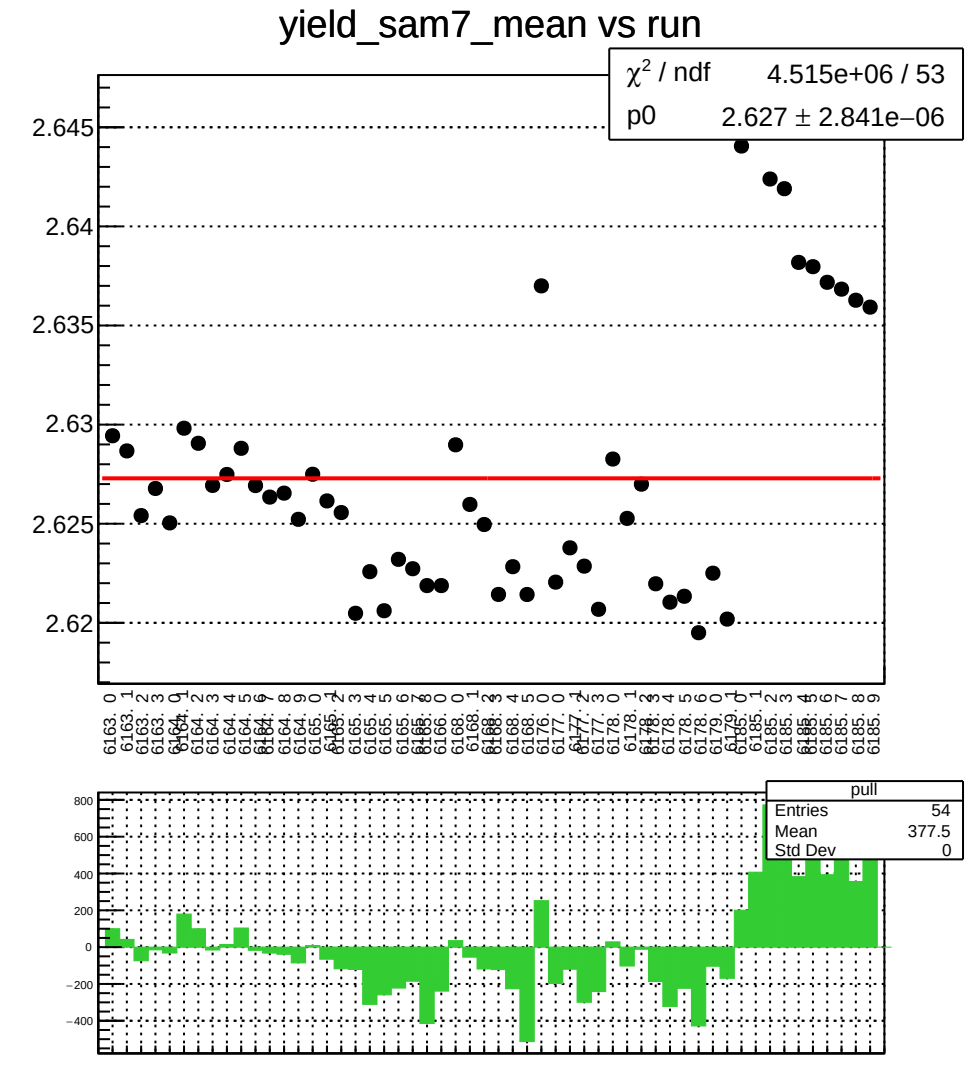

pull1D
Entries 54
Mean 7.639
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

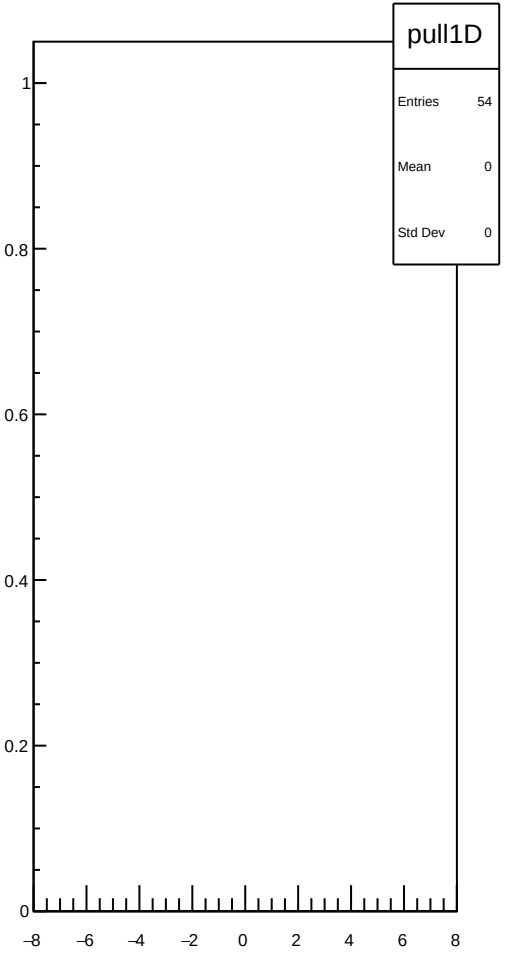

yield_sam5_rms vs run
χ² / ndf 6.9e+04 / 53
p0 0.04294 ± 4.373e−05
0.25
0.2
0.15
0.1
0.05
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

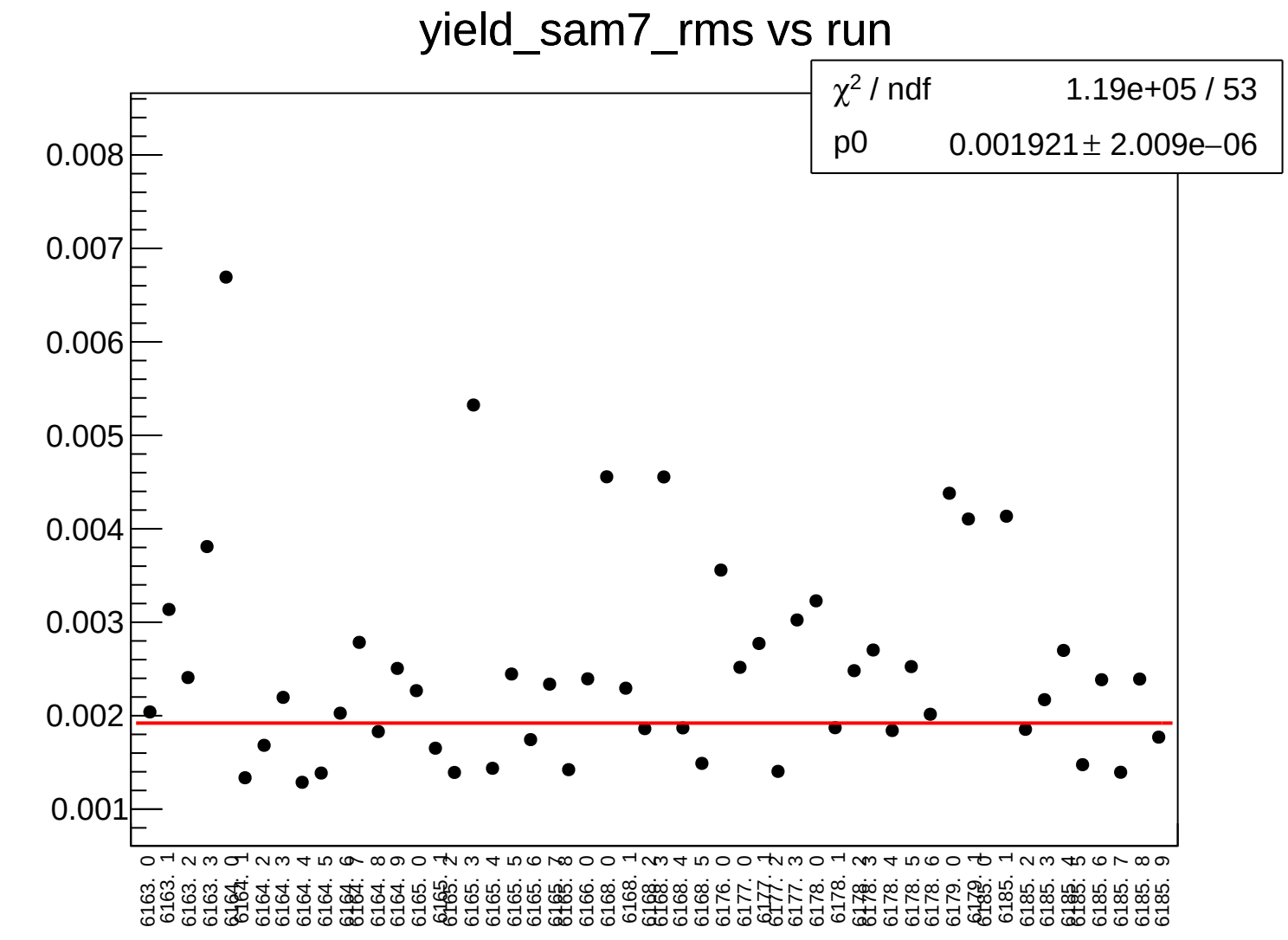

yield_sam6_mean vs run
χ² / ndf 5.984e+05 / 53
p0 10.28 ± 3.043e−05
10.34
10.32
10.3
10.28
10.26
10.24
10.22
10.2
pull
Entries 54
Mean 82.08
Std Dev 0
200
100
0
−100
−200
−300
−400

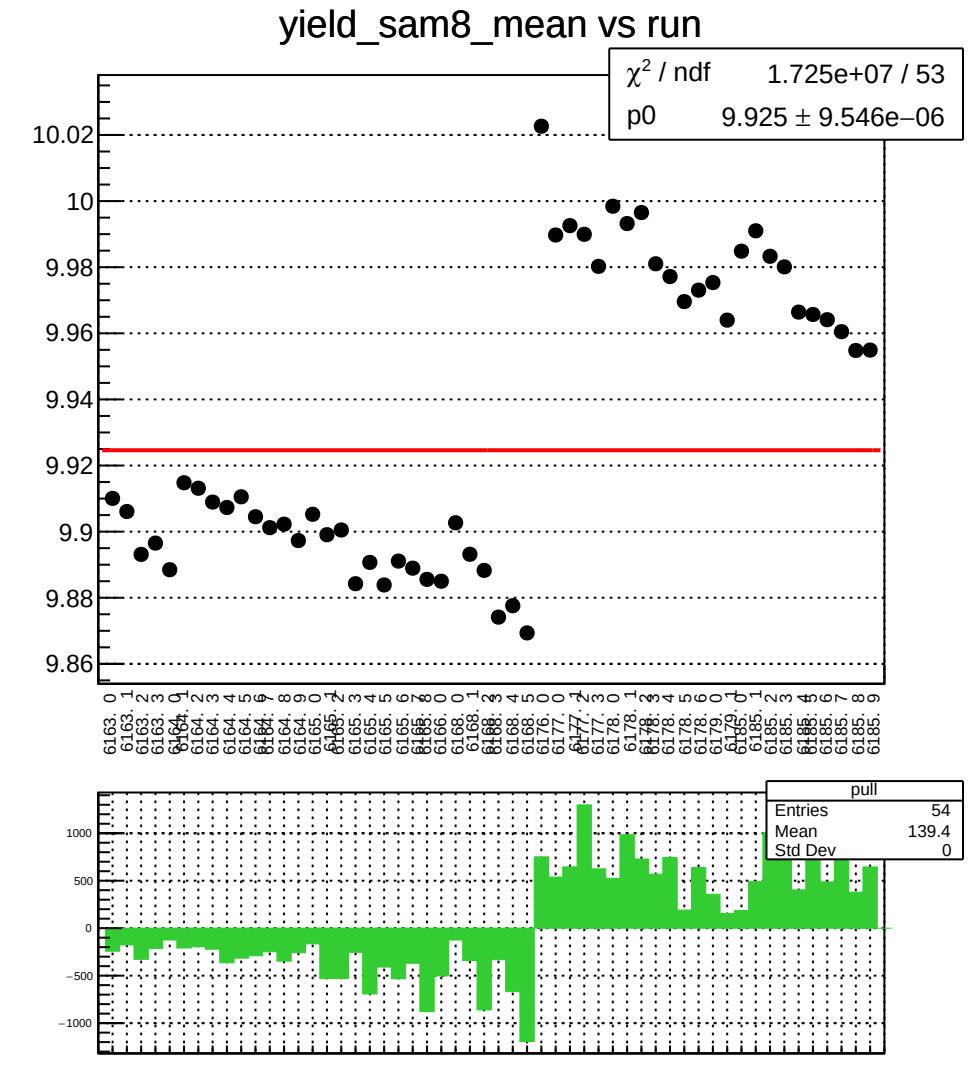

pull1D
Entries 54
Mean 1.959
Std Dev 1.929
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

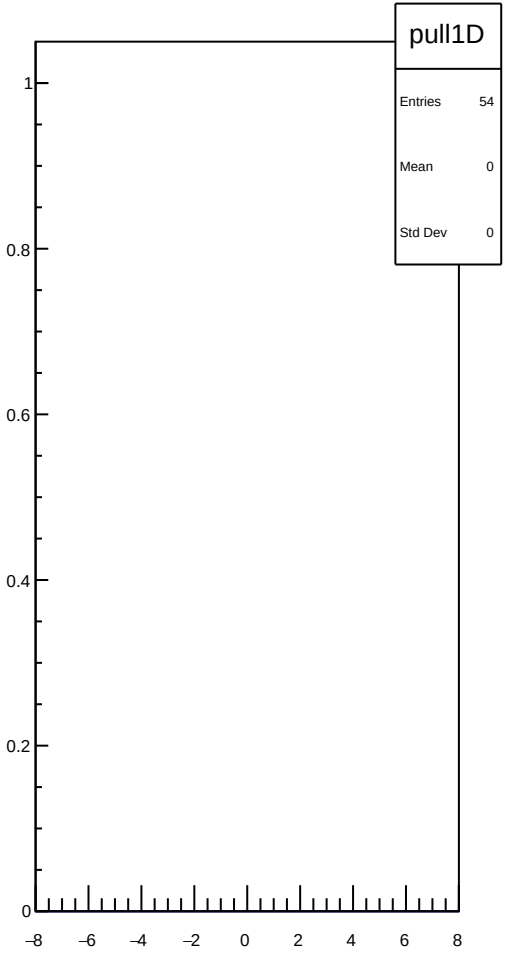

yield_sam6_rms vs run
χ² / ndf 8.642e+04 / 53
p0 0.02093 ± 2.152e−05
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

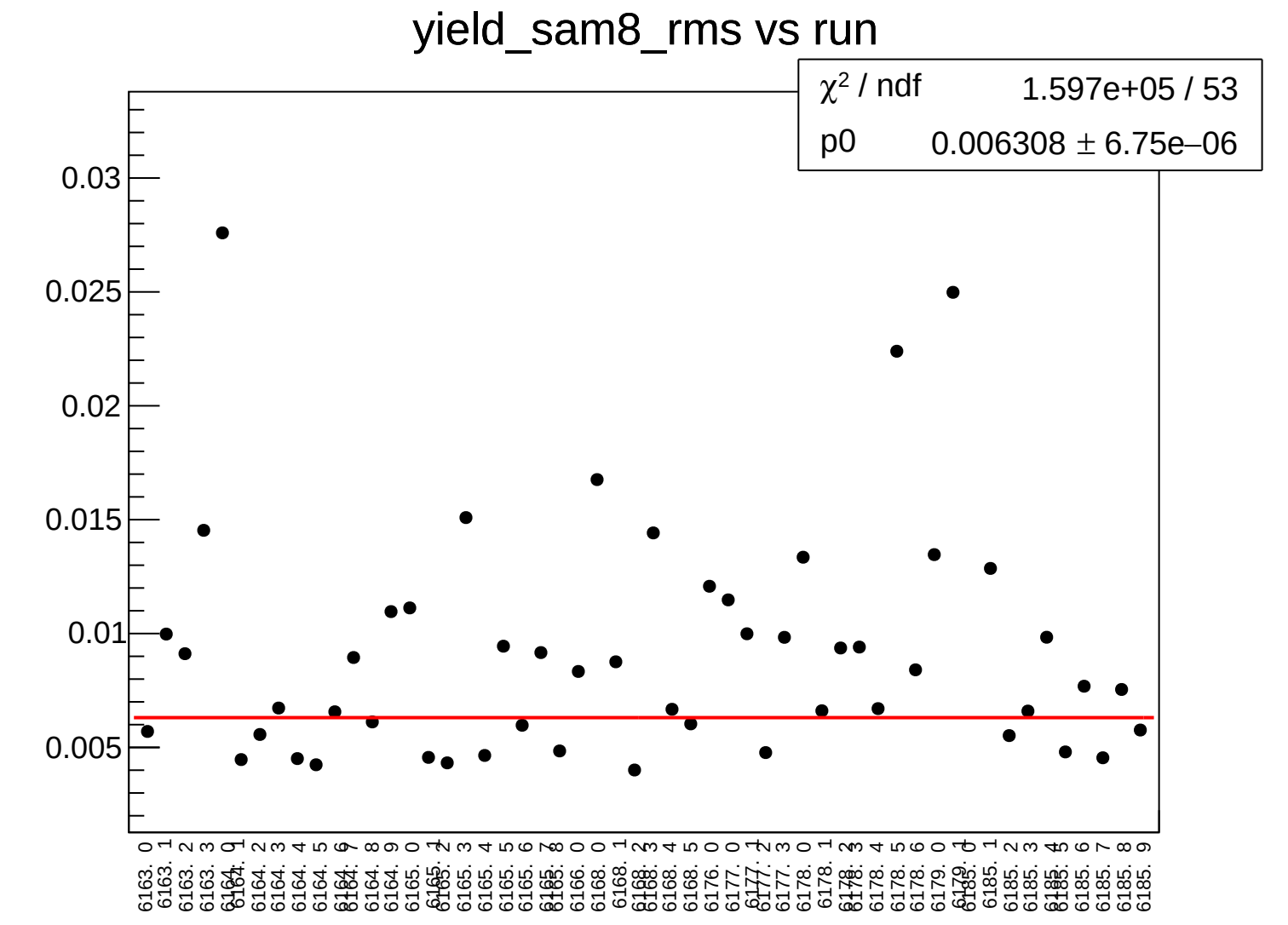

yield_sam7_mean vs run
χ² / ndf 4.515e+06 / 53
p0 2.627 ± 2.841e−06
2.645
2.64
2.635
2.63
2.625
2.62
pull
Entries 54
Mean 377.5
Std Dev 0
800
600
400
200
0
−200
−400

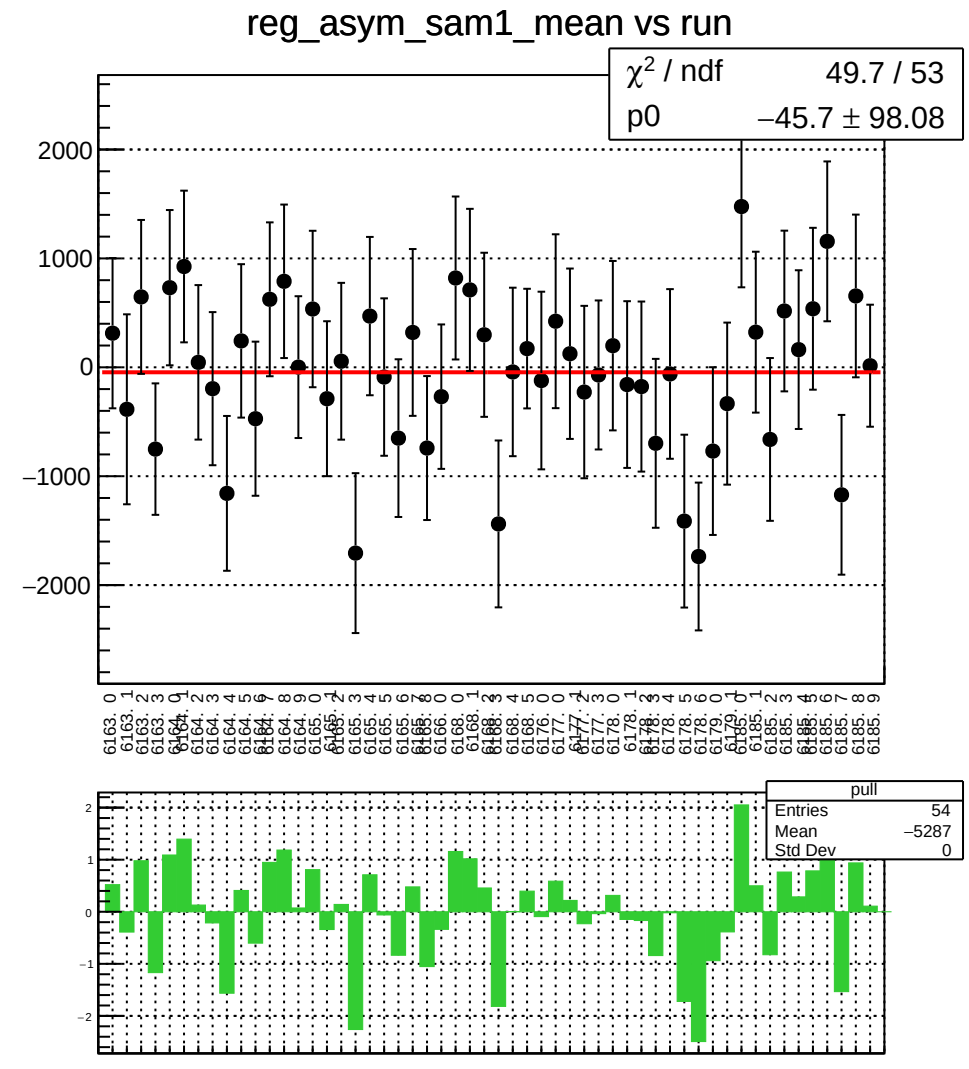

pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

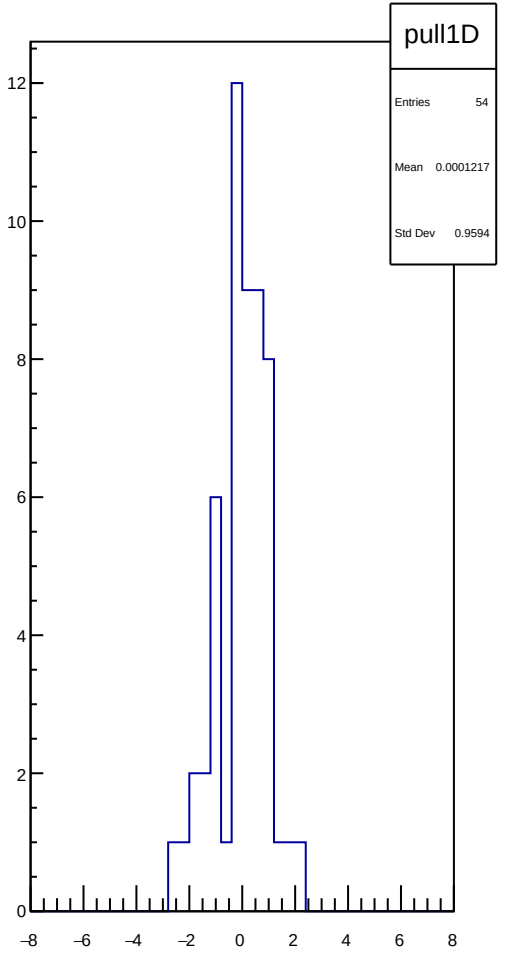

yield_sam7_rms vs run
χ² / ndf 1.19e+05 / 53
p0 0.001921 ± 2.009e−06
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

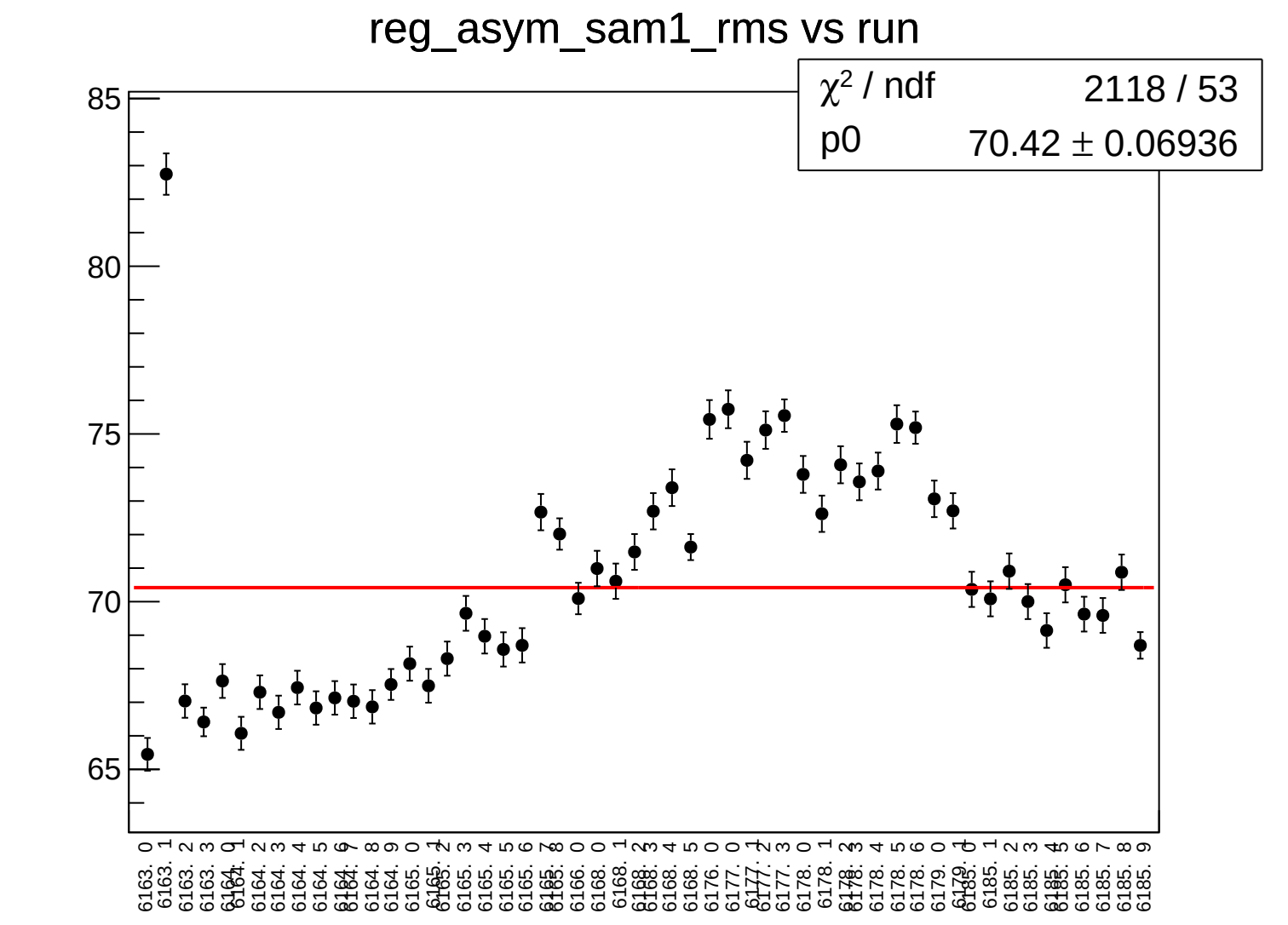

yield_sam8_mean vs run
χ² / ndf 1.725e+07 / 53
p0 9.925 ± 9.546e−06
10.02
10
9.98
9.96
9.94
9.92
9.9
9.88
9.86
pull
Entries 54
Mean 139.4
Std Dev 0
1000
500
0
−500
−1000

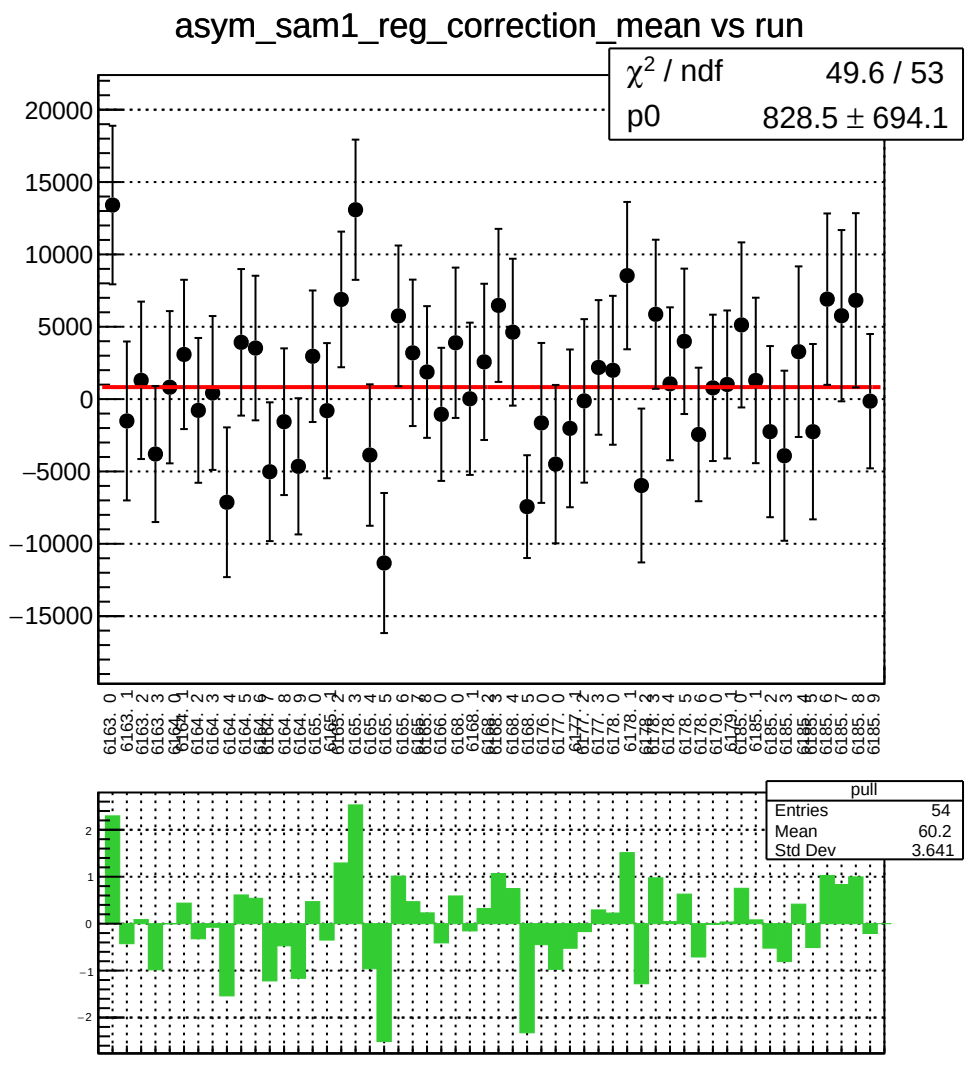

pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

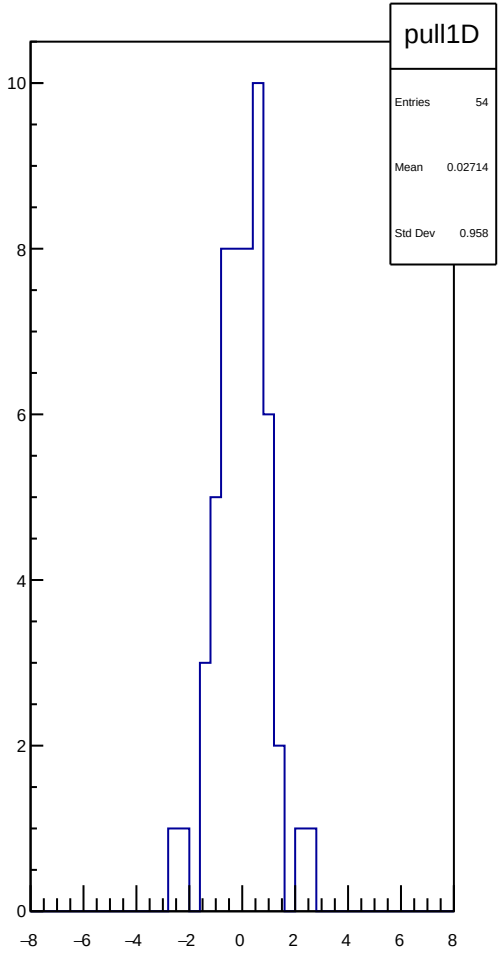

yield_sam8_rms vs run
χ² / ndf 1.597e+05 / 53
p0 0.006308 ± 6.75e−06
0.03
0.025
0.02
0.015
0.01
0.005
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

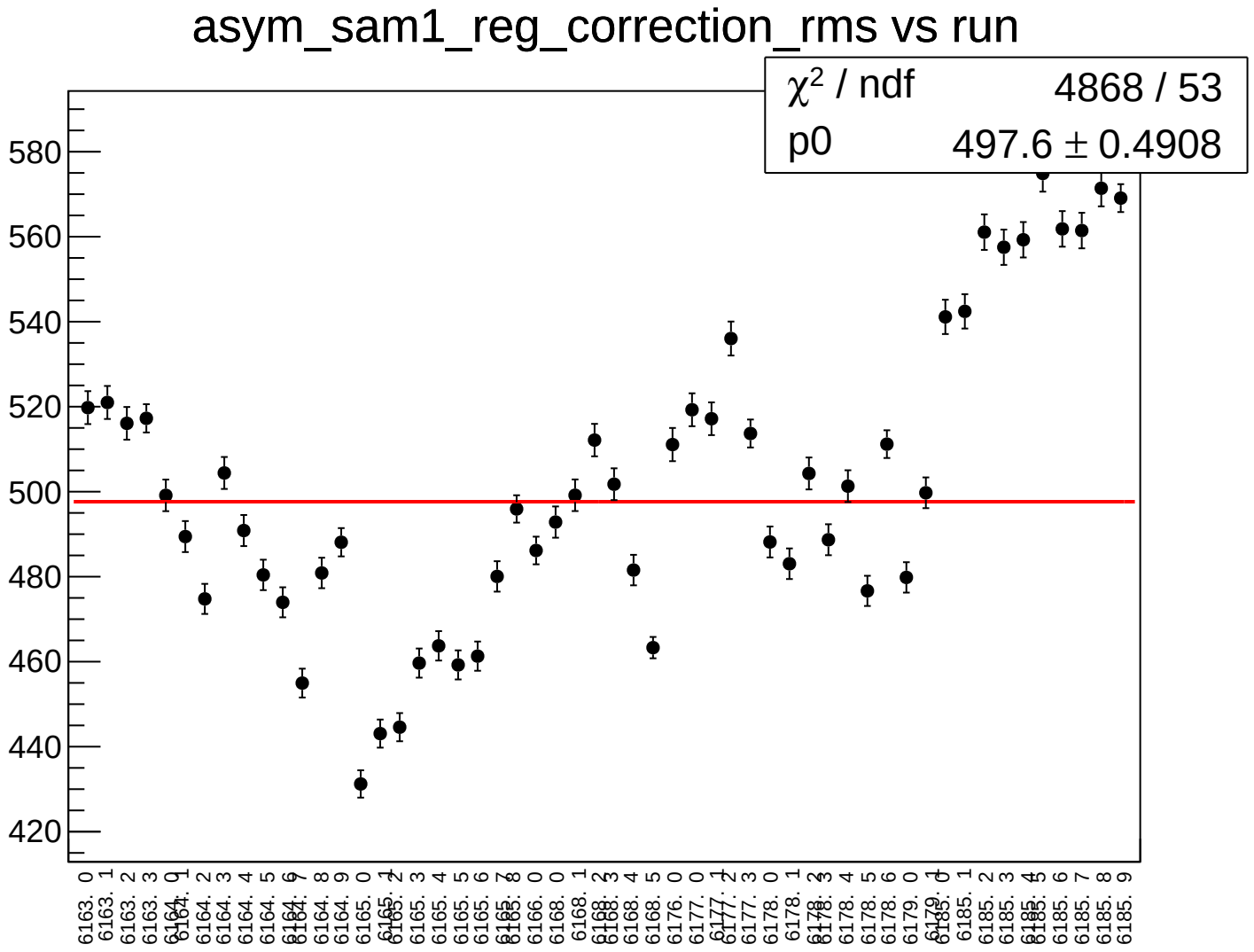

reg_asym_sam1_mean vs run
χ² / ndf 49.7 / 53
p0 −45.7 ± 98.08
2000
1000
0
−1000
−2000
pull
Entries 54
Mean −5287
Std Dev 0

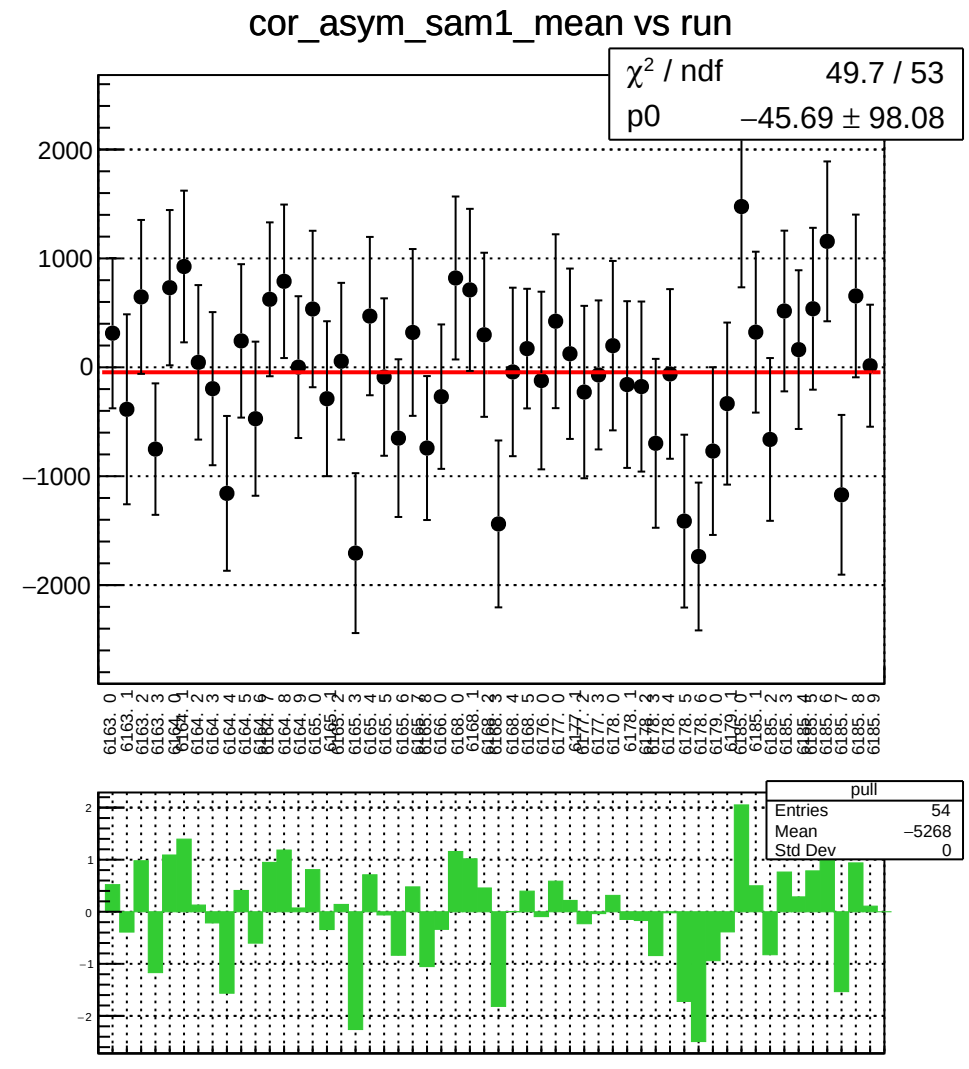

pull1D
Entries 54
Mean 0.0001217
Std Dev 0.9594
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

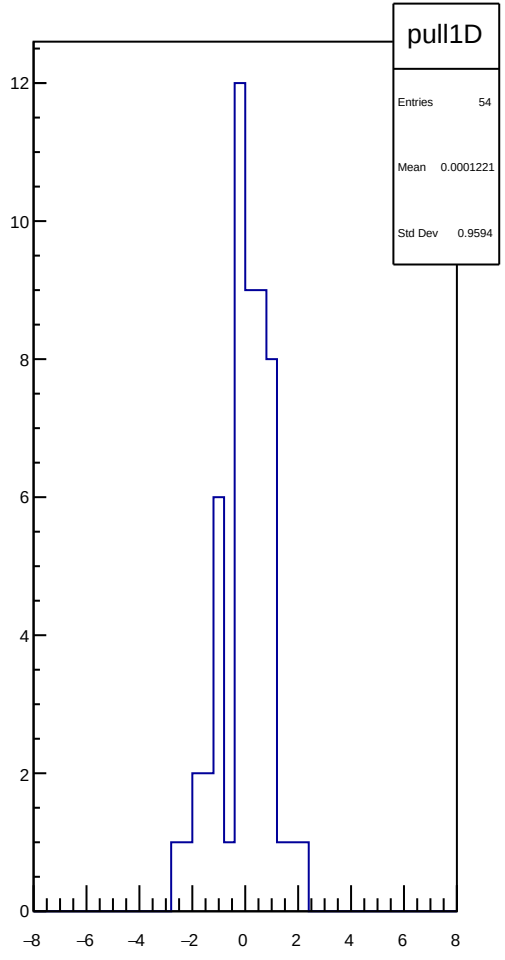

reg_asym_sam1_rms vs run
χ² / ndf 2118 / 53
p0 70.42 ± 0.06936
85
80
75
70
65
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

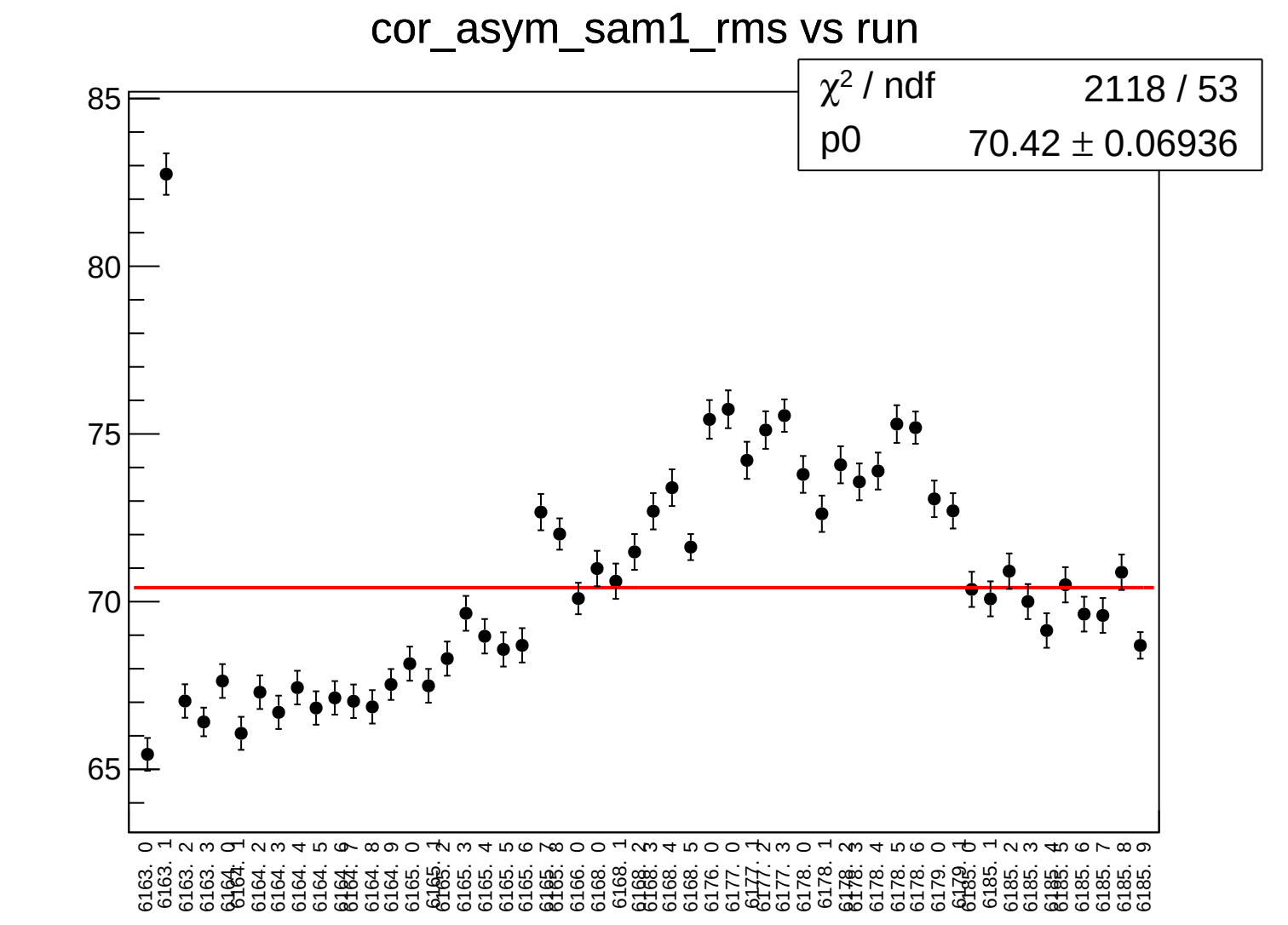

asym_sam1_reg_correction_mean vs run
χ² / ndf 49.6 / 53
p0 828.5 ± 694.1
pull
Entries 54
Mean 60.2
Std Dev 3.641

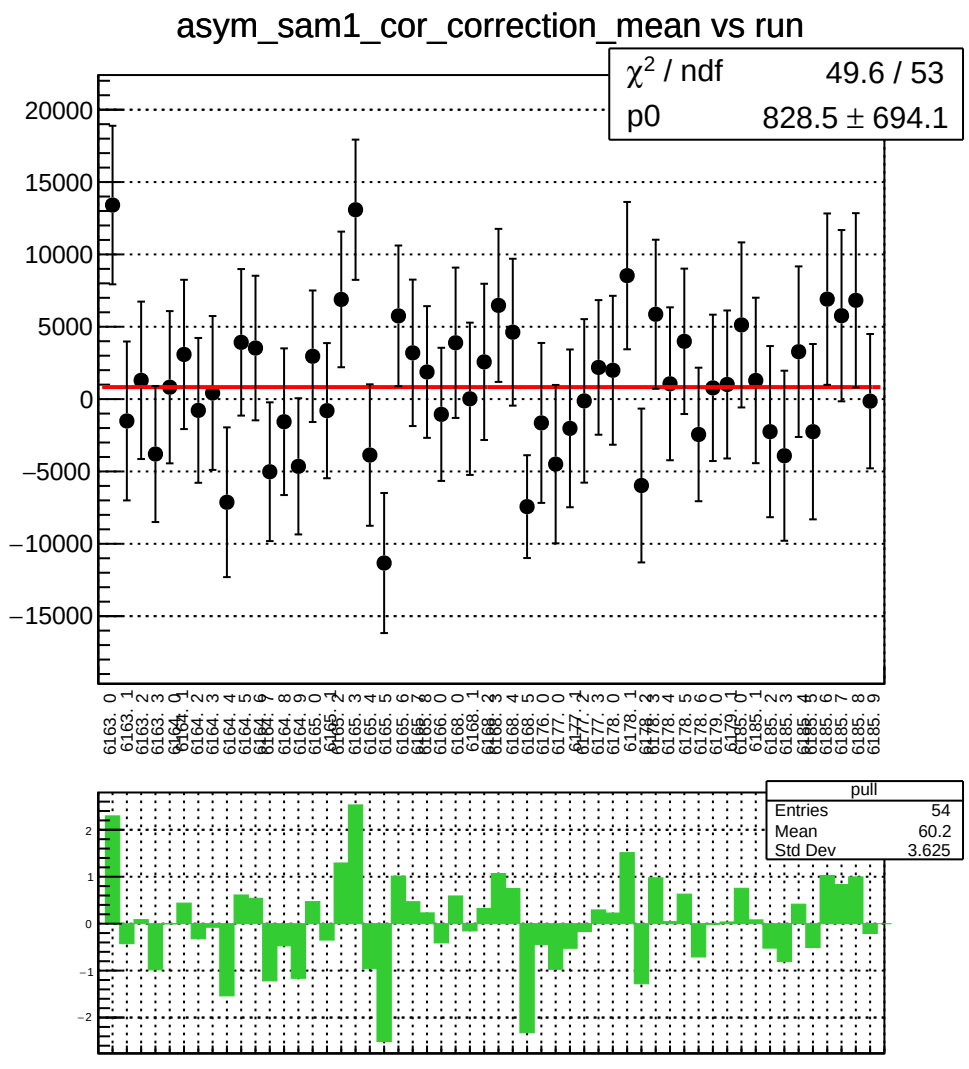

pull1D
Entries 54
Mean 0.02714
Std Dev 0.958

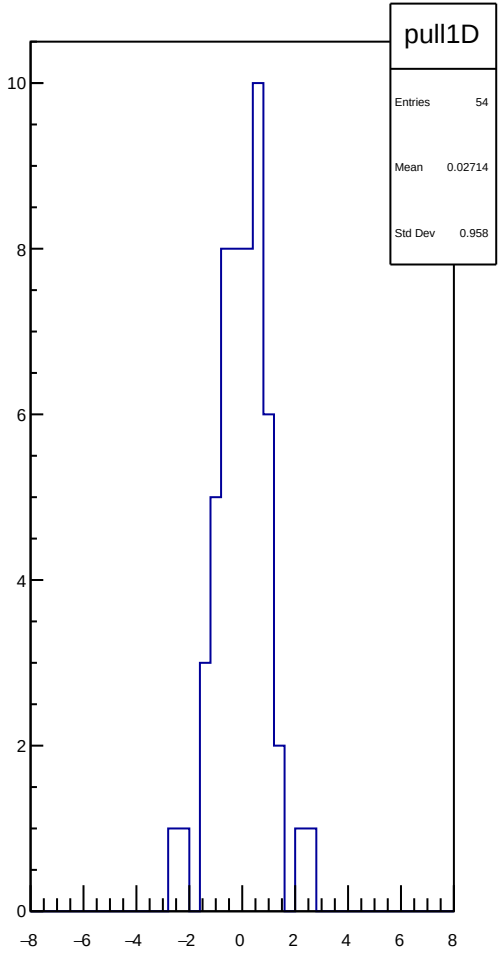

asym_sam1_reg_correction_rms vs run
χ² / ndf 4868 / 53
p0 497.6 ± 0.4908
580
560
540
520
500
480
460
440
420
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

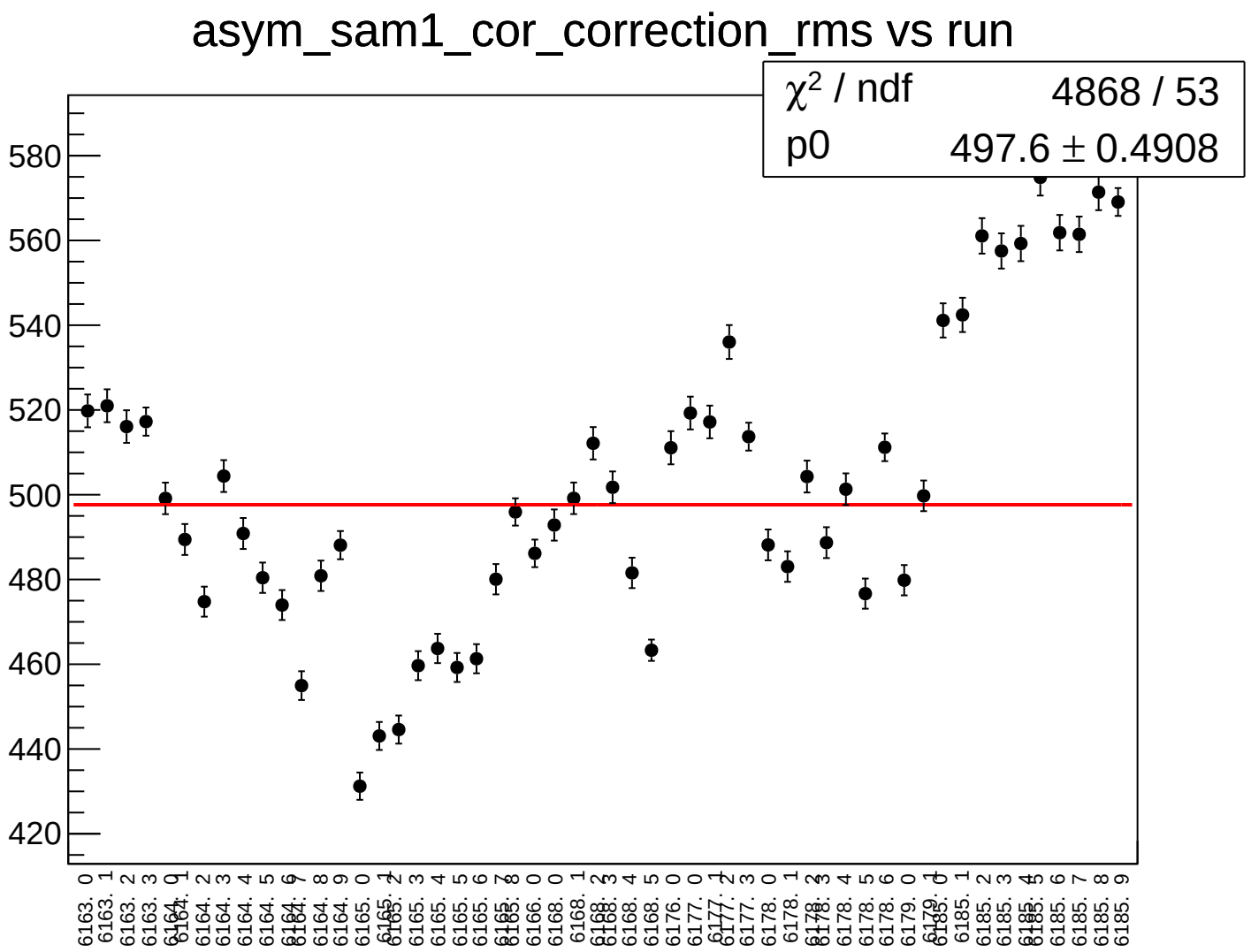

cor_asym_sam1_mean vs run
χ² / ndf 49.7 / 53
p0 −45.69 ± 98.08
2000
1000
0
−1000
−2000
pull
Entries 54
Mean −5268
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 54
Mean 0.0001221
Std Dev 0.9594
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_sam1_rms vs run
χ² / ndf 2118 / 53
p0 70.42 ± 0.06936
85
80
75
70
65
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


asym_sam1_cor_correction_mean vs run
χ² / ndf 49.6 / 53
p0 828.5 ± 694.1
pull
Entries 54
Mean 60.2
Std Dev 3.625


pull1D
Entries 54
Mean 0.02714
Std Dev 0.958


asym_sam1_cor_correction_rms vs run
χ² / ndf 4868 / 53
p0 497.6 ± 0.4908
580
560
540
520
500
480
460
440
420
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
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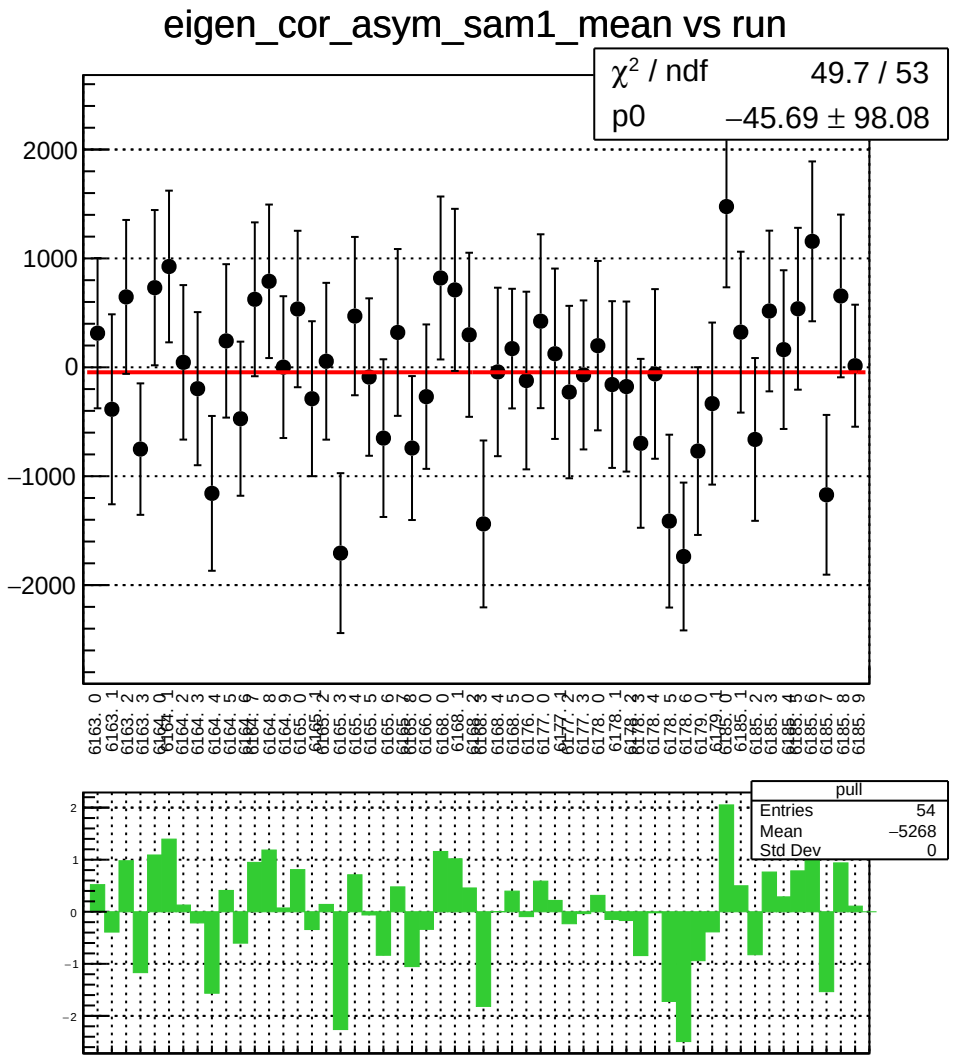
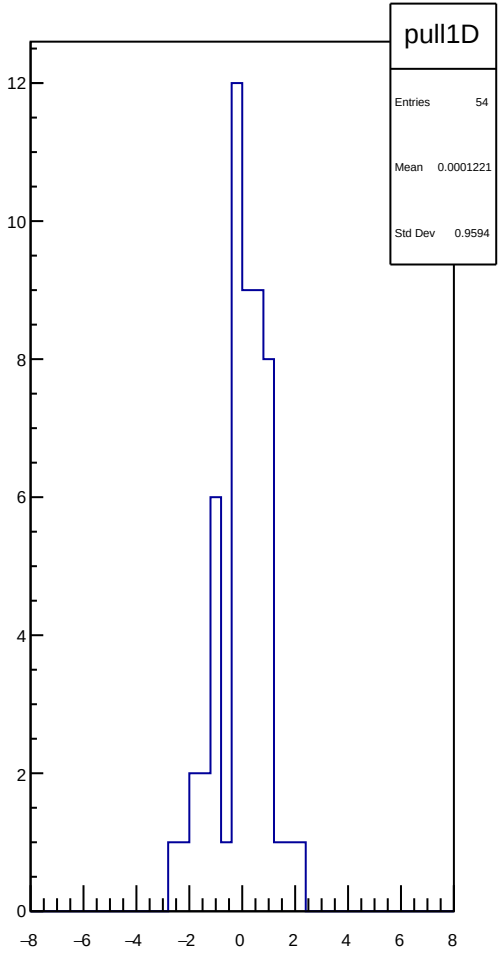
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


eigen_cor_asym_sam1_mean vs run
χ² / ndf 49.7 / 53
p0 −45.69 ± 98.08
2000
1000
0
−1000
−2000
pull
Entries 54
Mean −5268
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 54
Mean 0.0001221
Std Dev 0.9594
12
10
8
6
4
2
0
−8
−6
−4
−2
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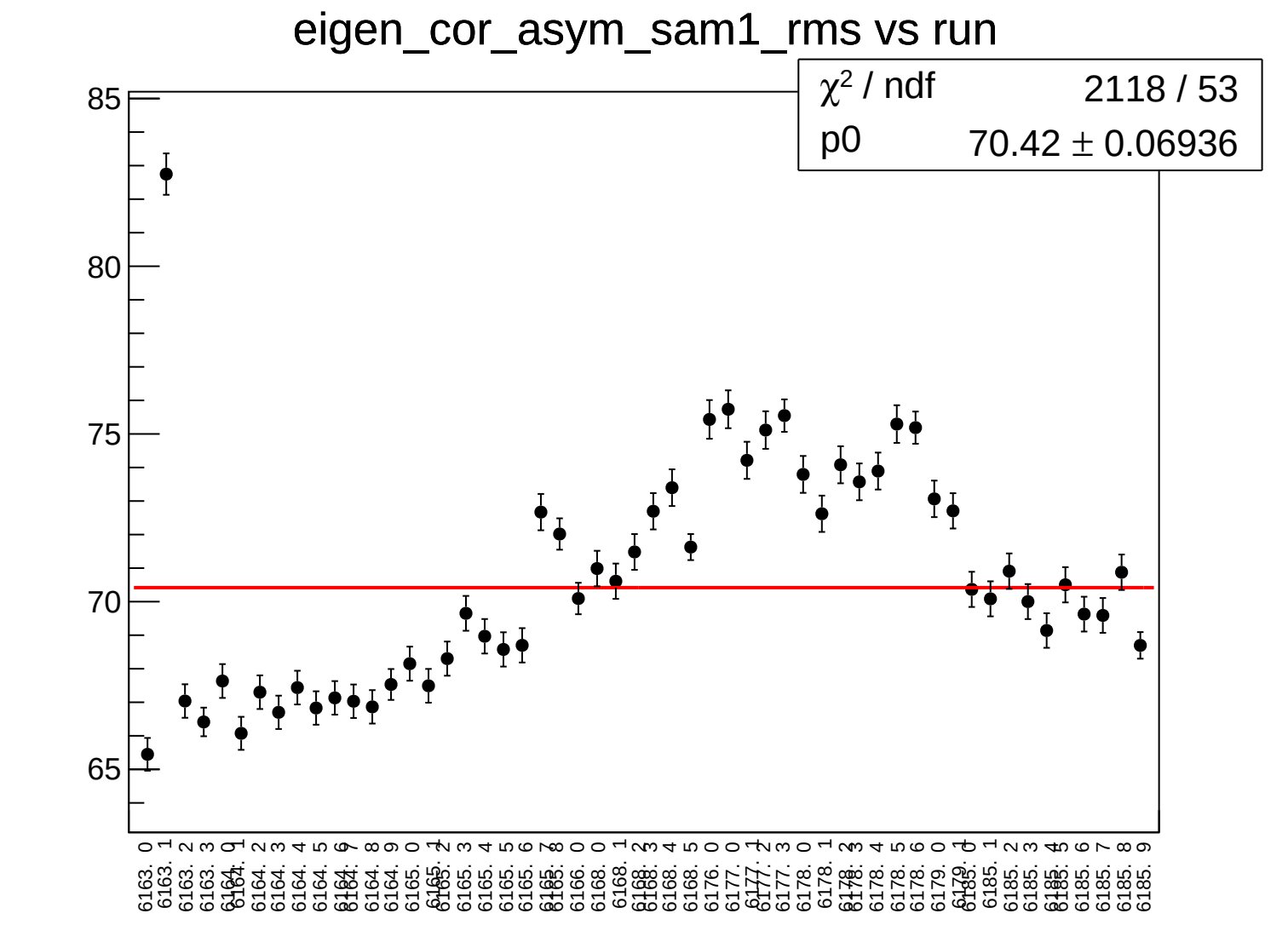
2
4
6
8


eigen_cor_asym_sam1_rms vs run
χ² / ndf 2118 / 53
p0 70.42 ± 0.06936
85
80
75
70
65
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
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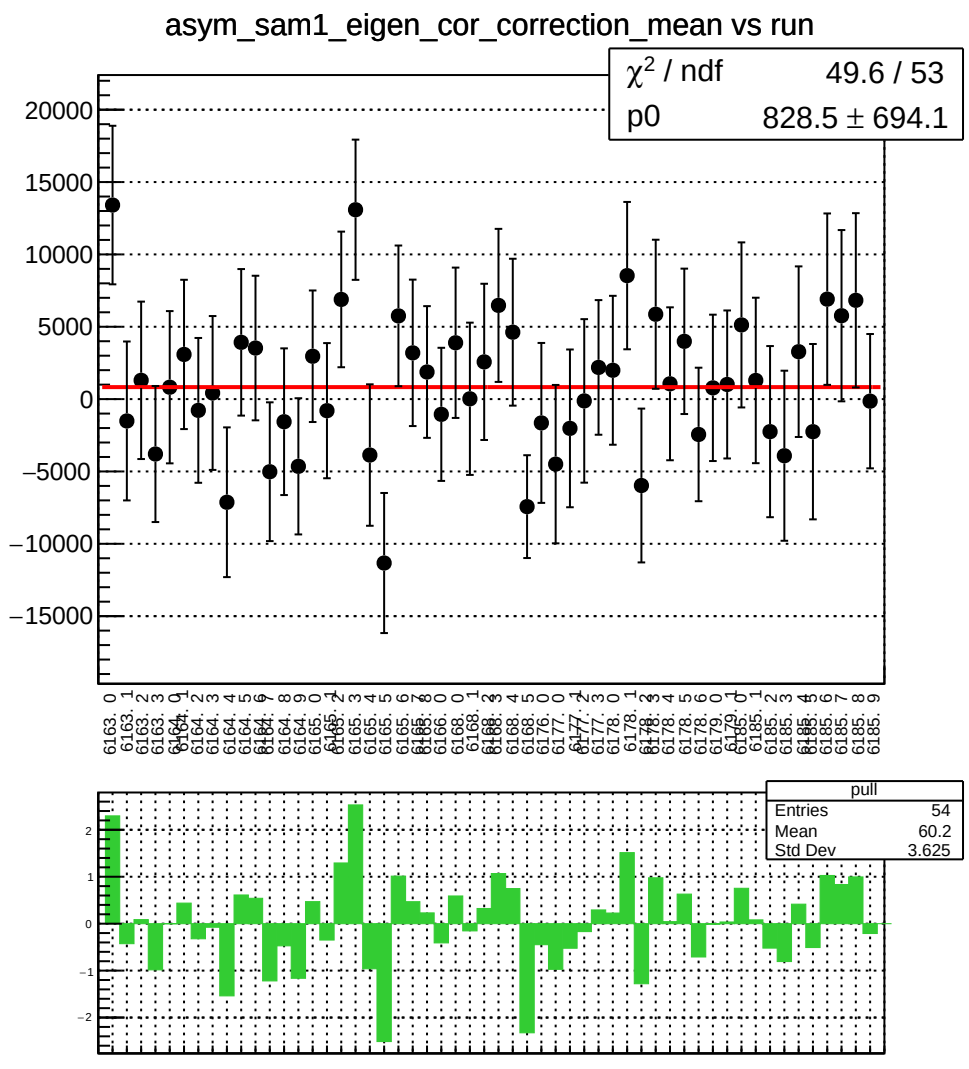
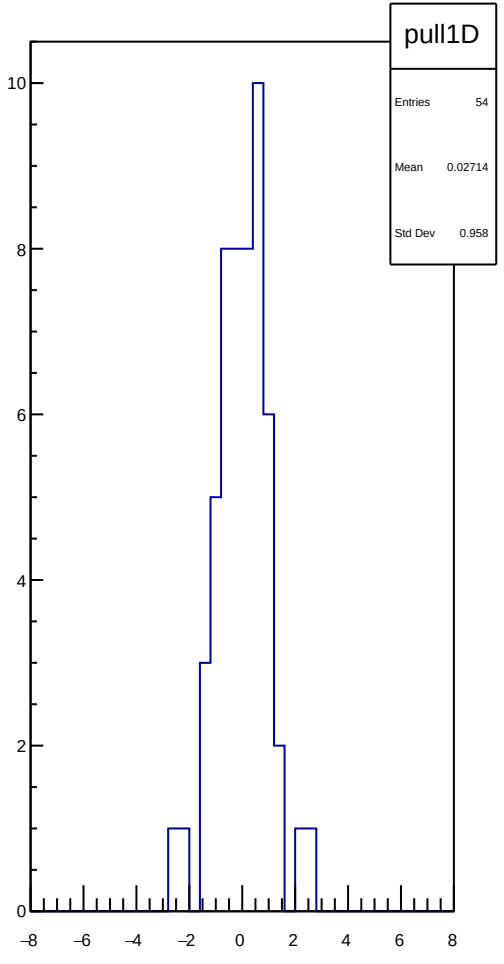
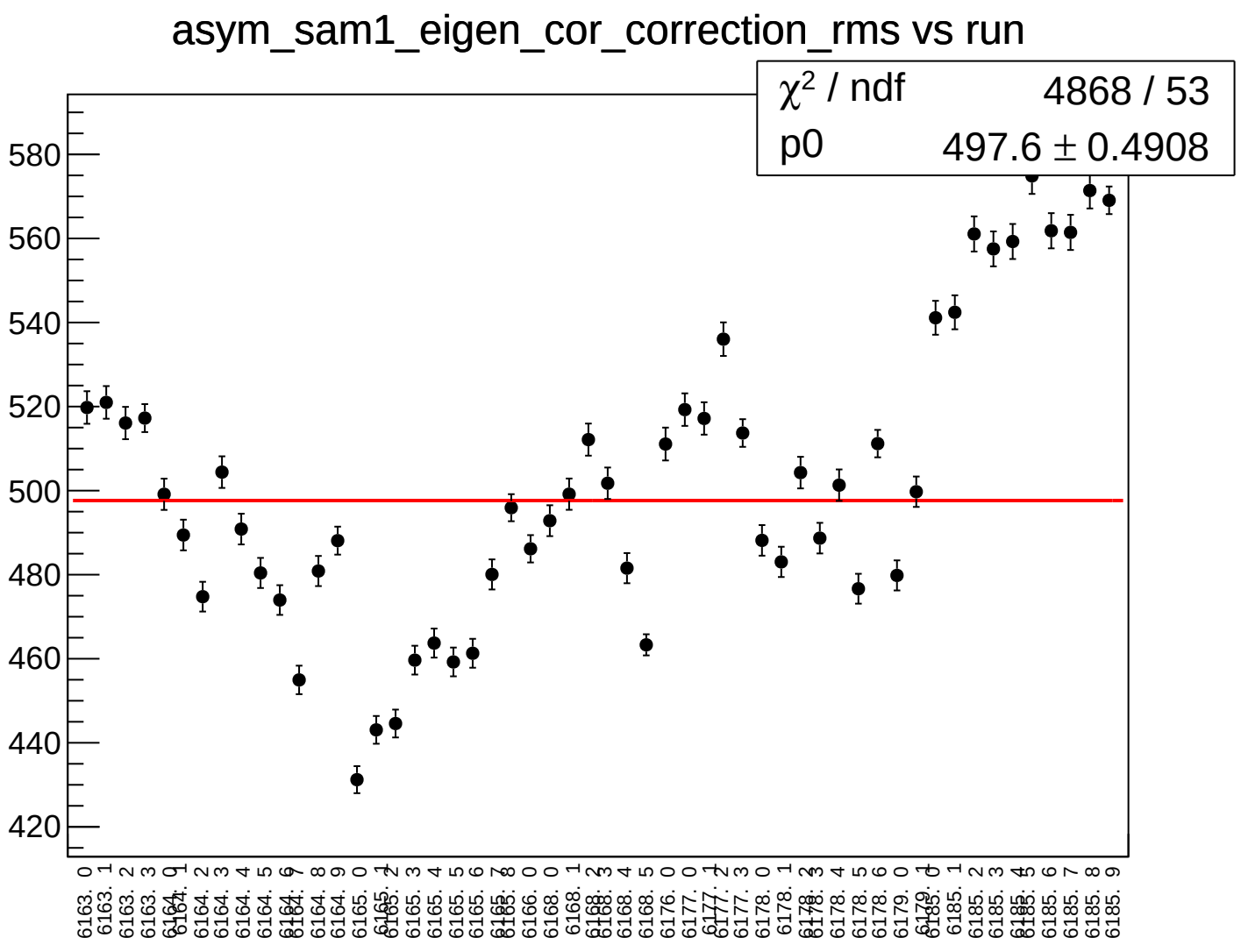
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


asym_sam1_eigen_cor_correction_mean vs run
χ² / ndf 49.6 / 53
p0 828.5 ± 694.1
pull
Entries 54
Mean 60.2
Std Dev 3.625


pull1D
Entries 54
Mean 0.02714
Std Dev 0.958


asym_sam1_eigen_cor_correction_rms vs run
χ² / ndf 4868 / 53
p0 497.6 ± 0.4908
580
560
540
520
500
480
460
440
420
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
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6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
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6176. 0
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6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
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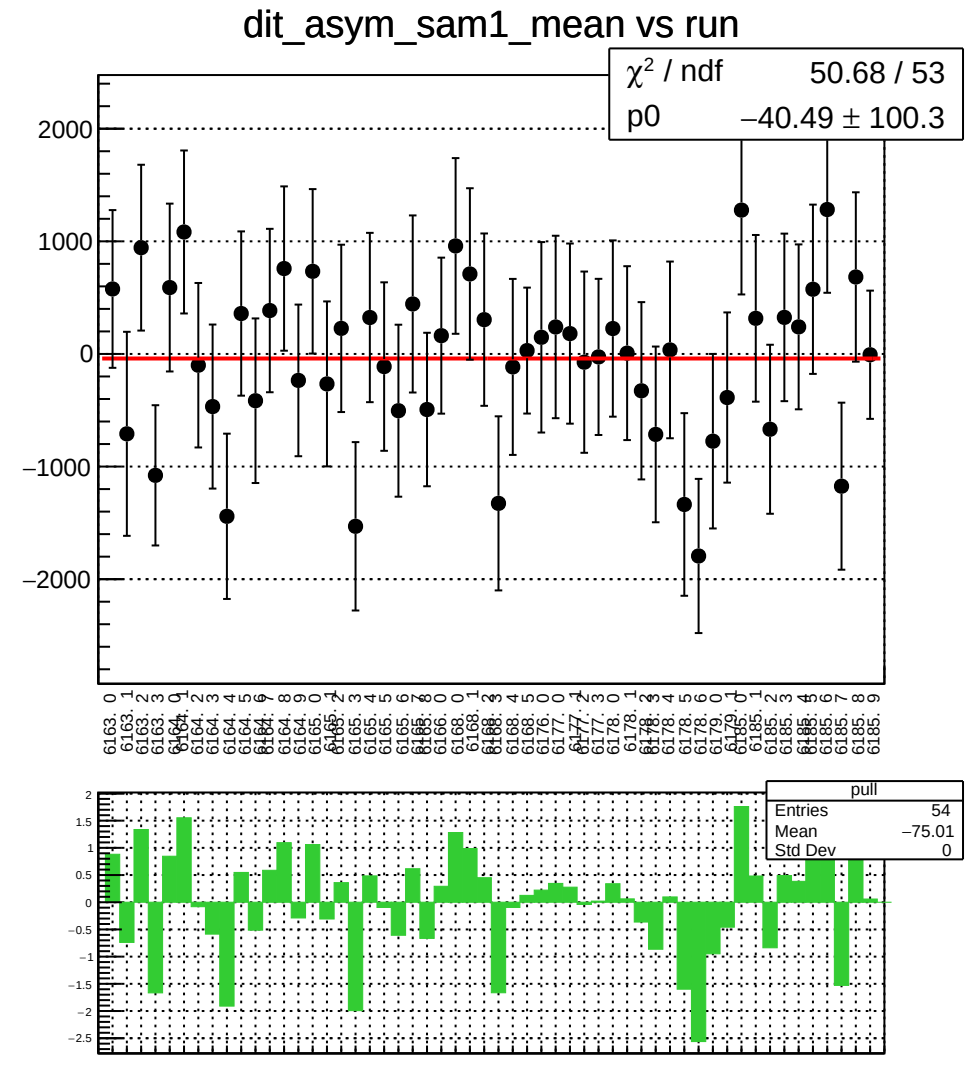
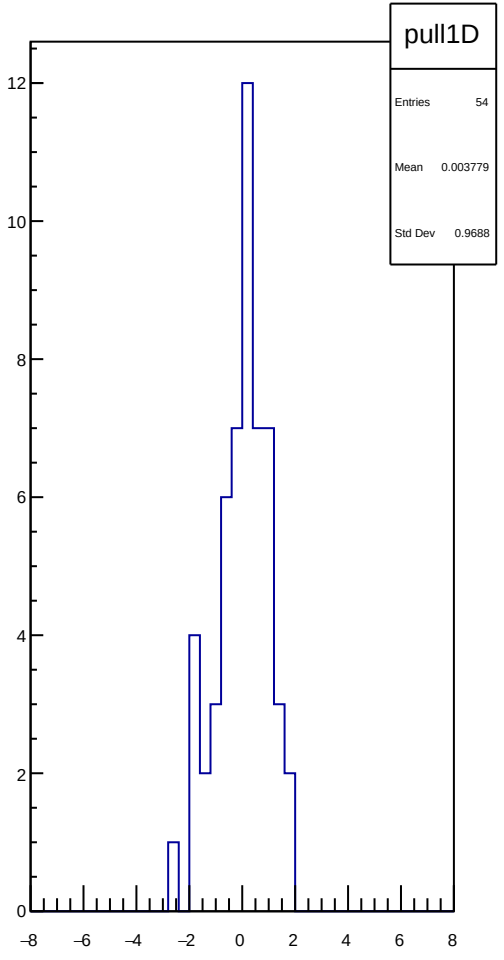
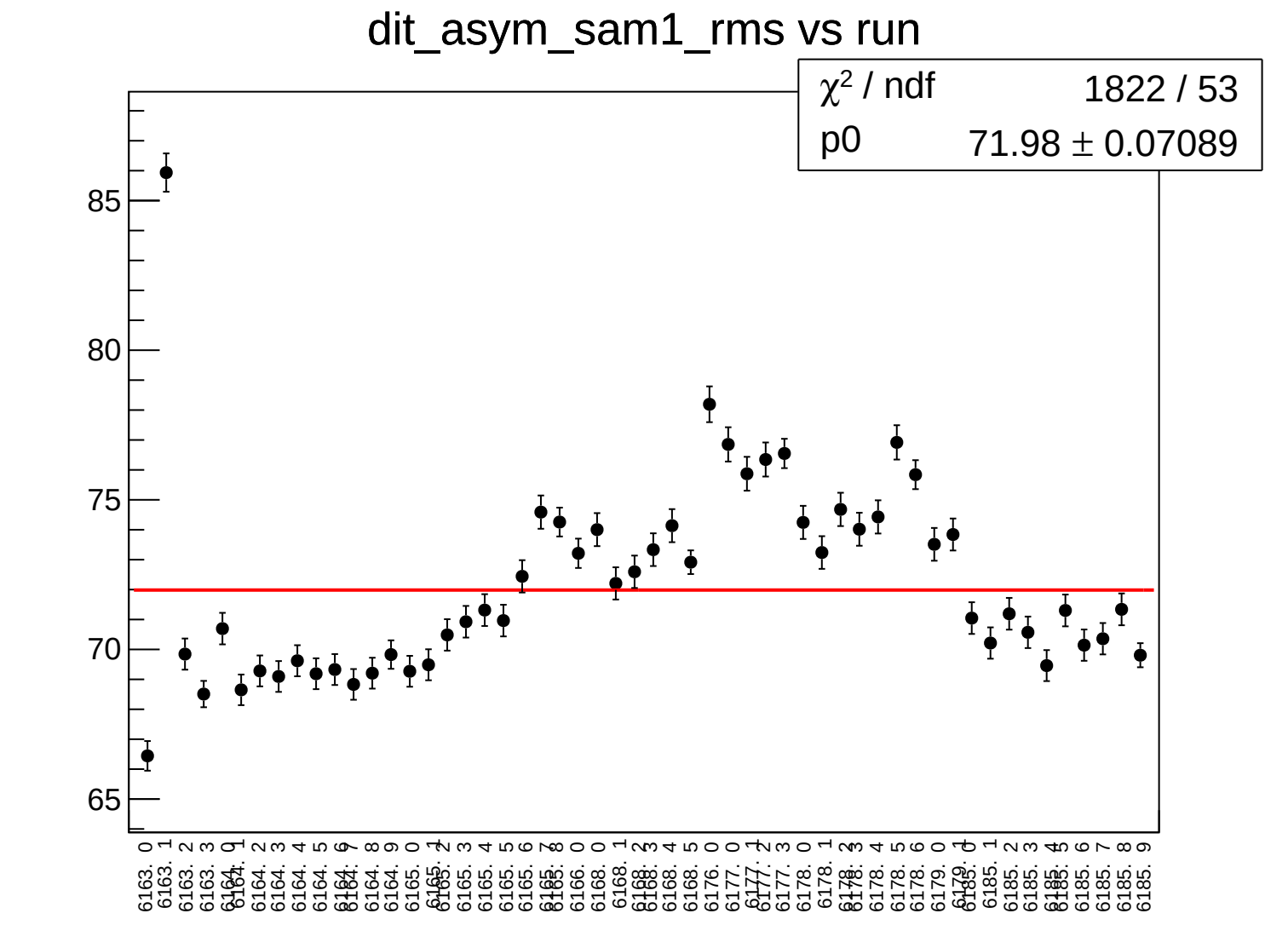

dit_asym_sam1_mean vs run
χ² / ndf 50.68 / 53
p0 −40.49 ± 100.3
pull
Entries 54
Mean −75.01
Std Dev 0


pull1D
Entries 54
Mean 0.003779
Std Dev 0.9688


dit_asym_sam1_rms vs run
χ² / ndf 1822 / 53
p0 71.98 ± 0.07089
85
80
75
70
65
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
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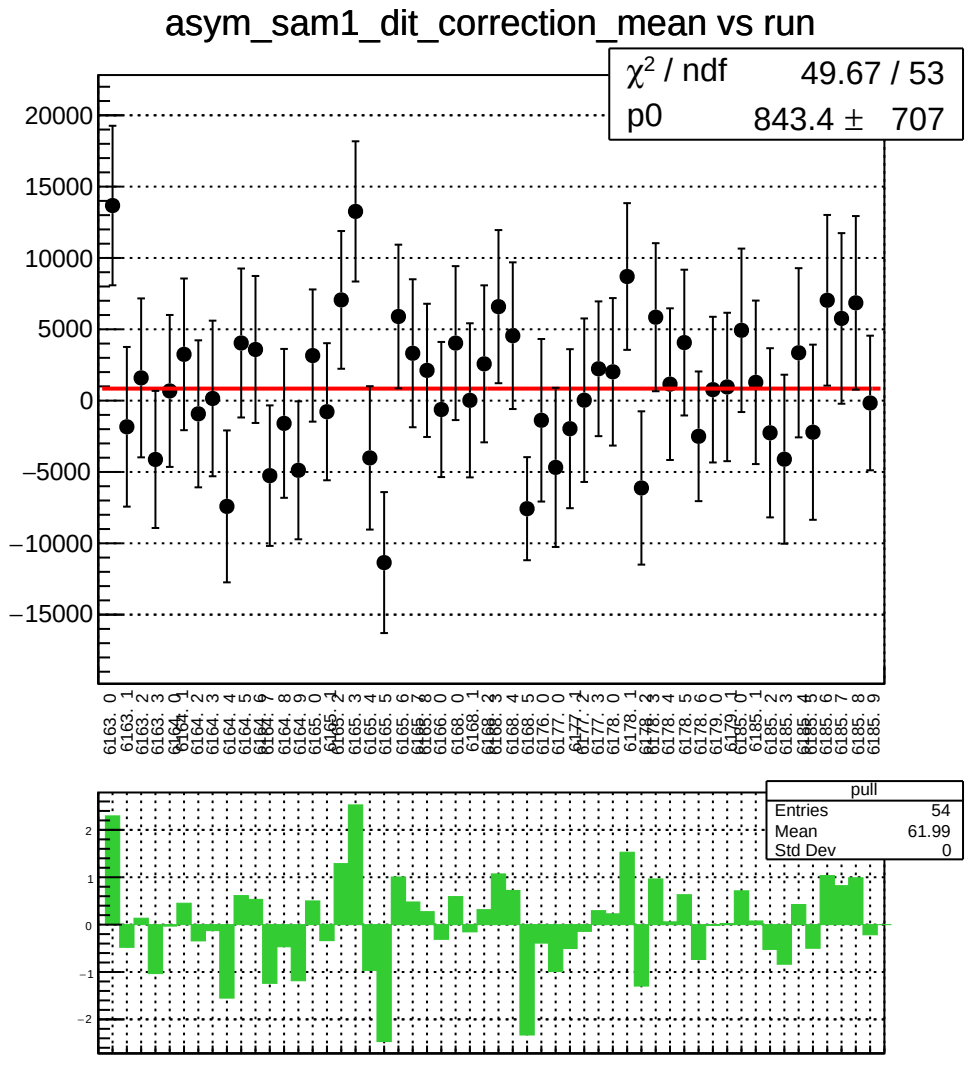
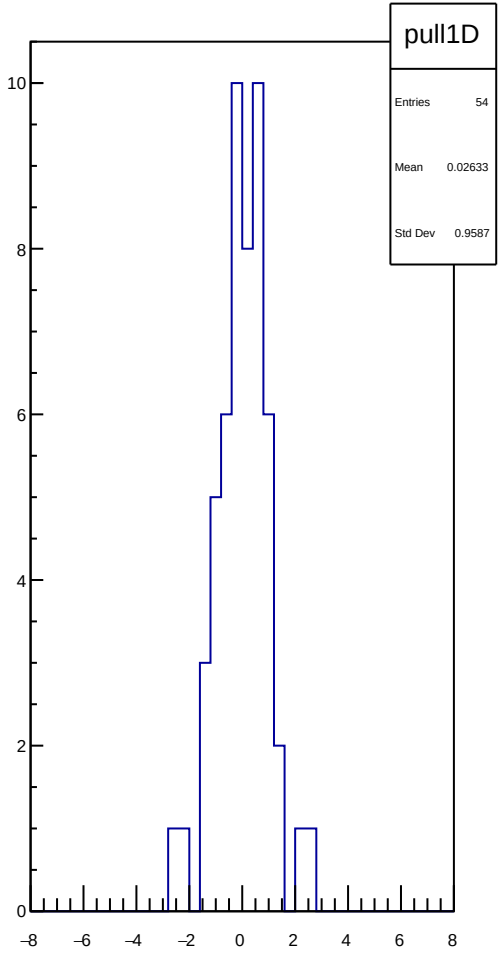
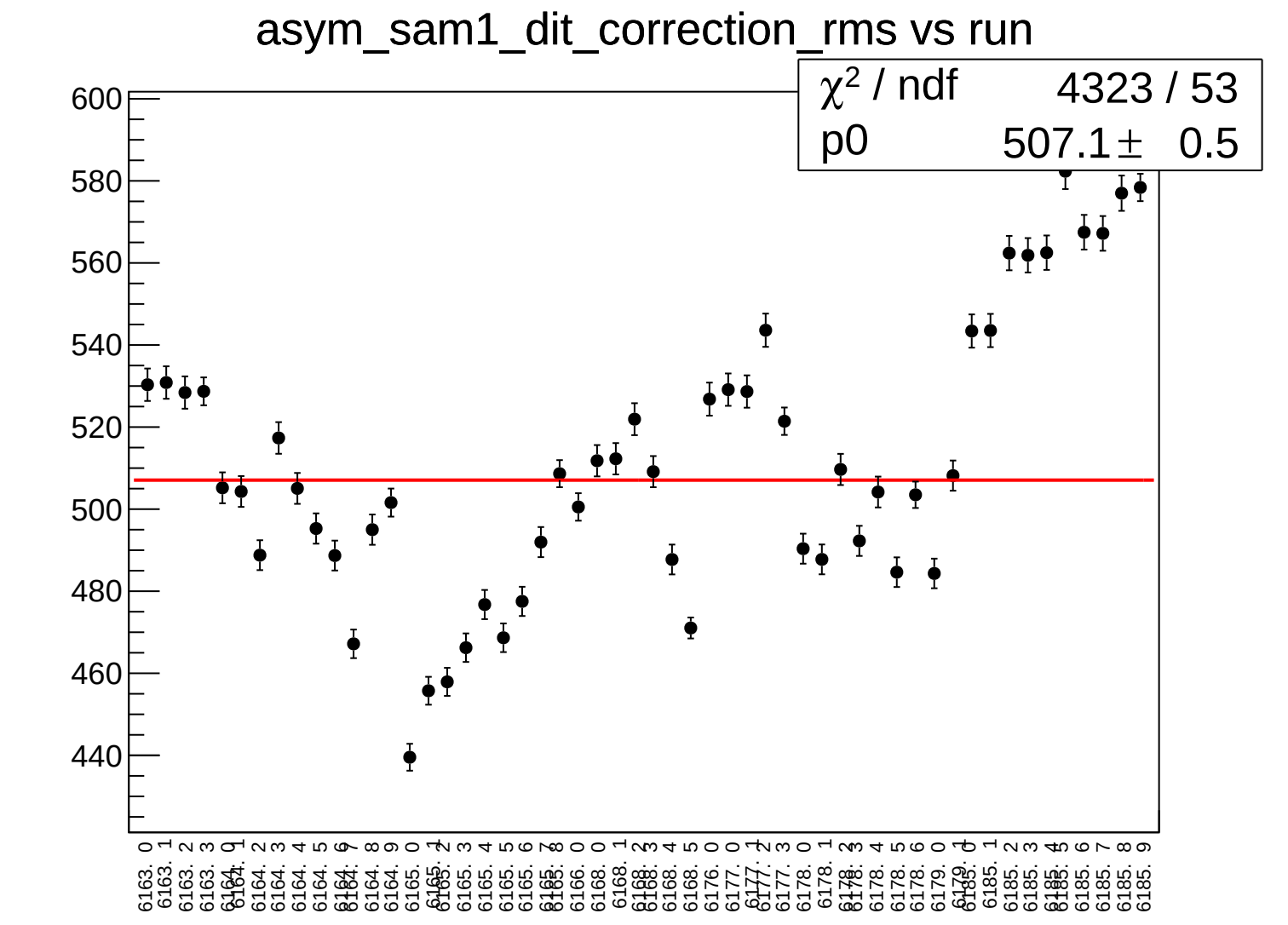
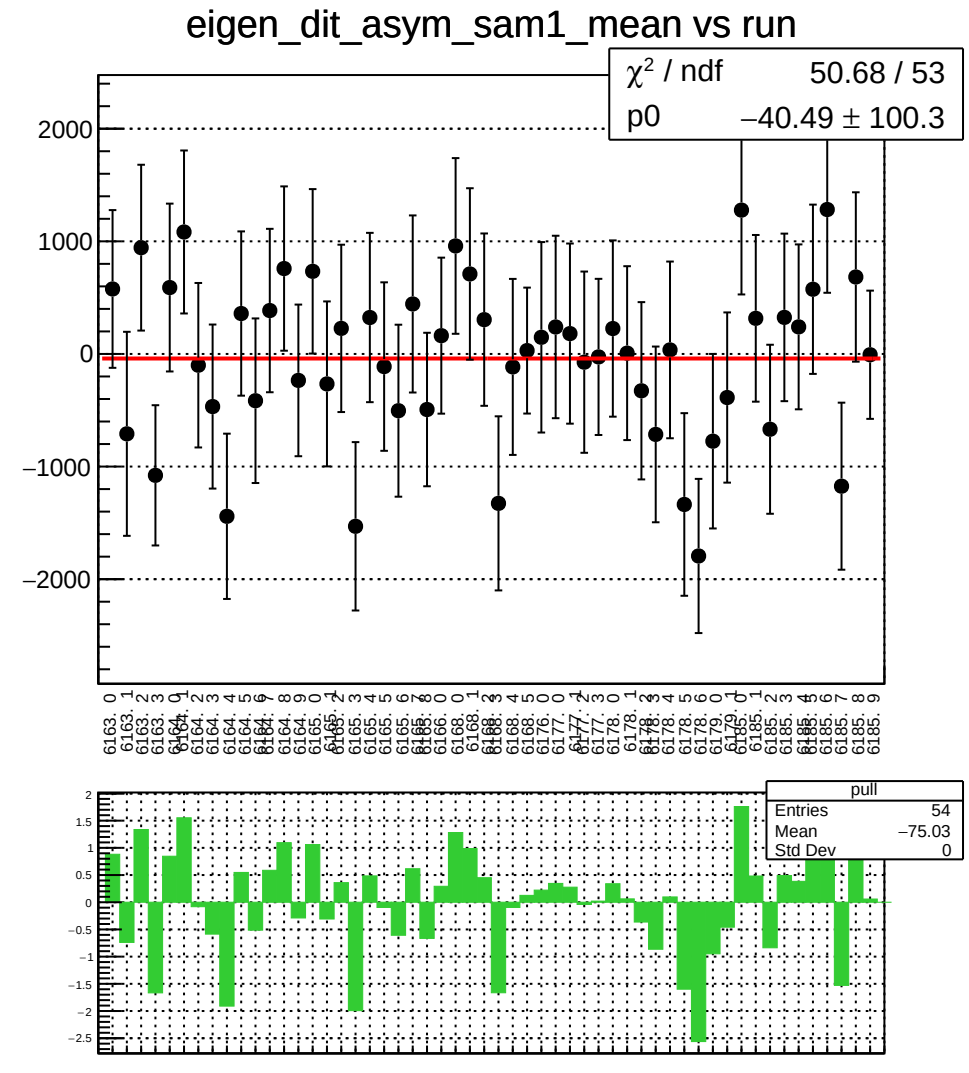
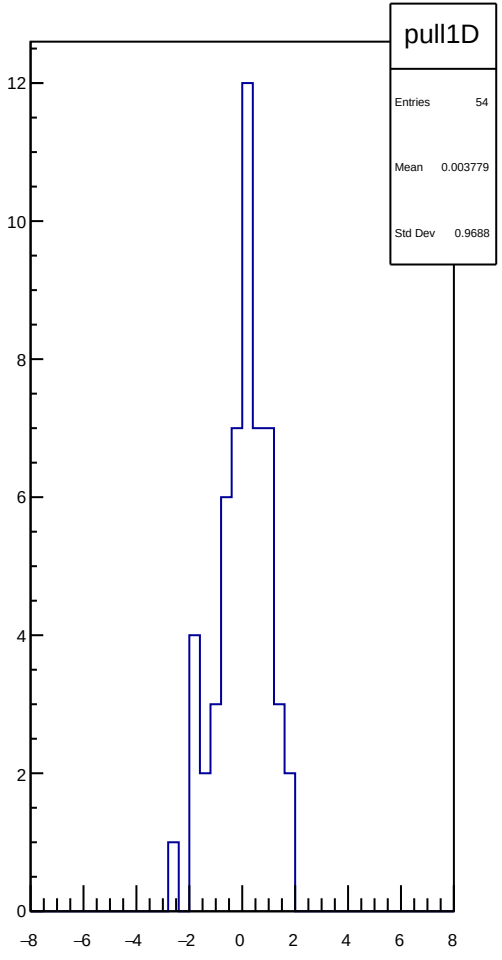
6185. 8
6185. 9

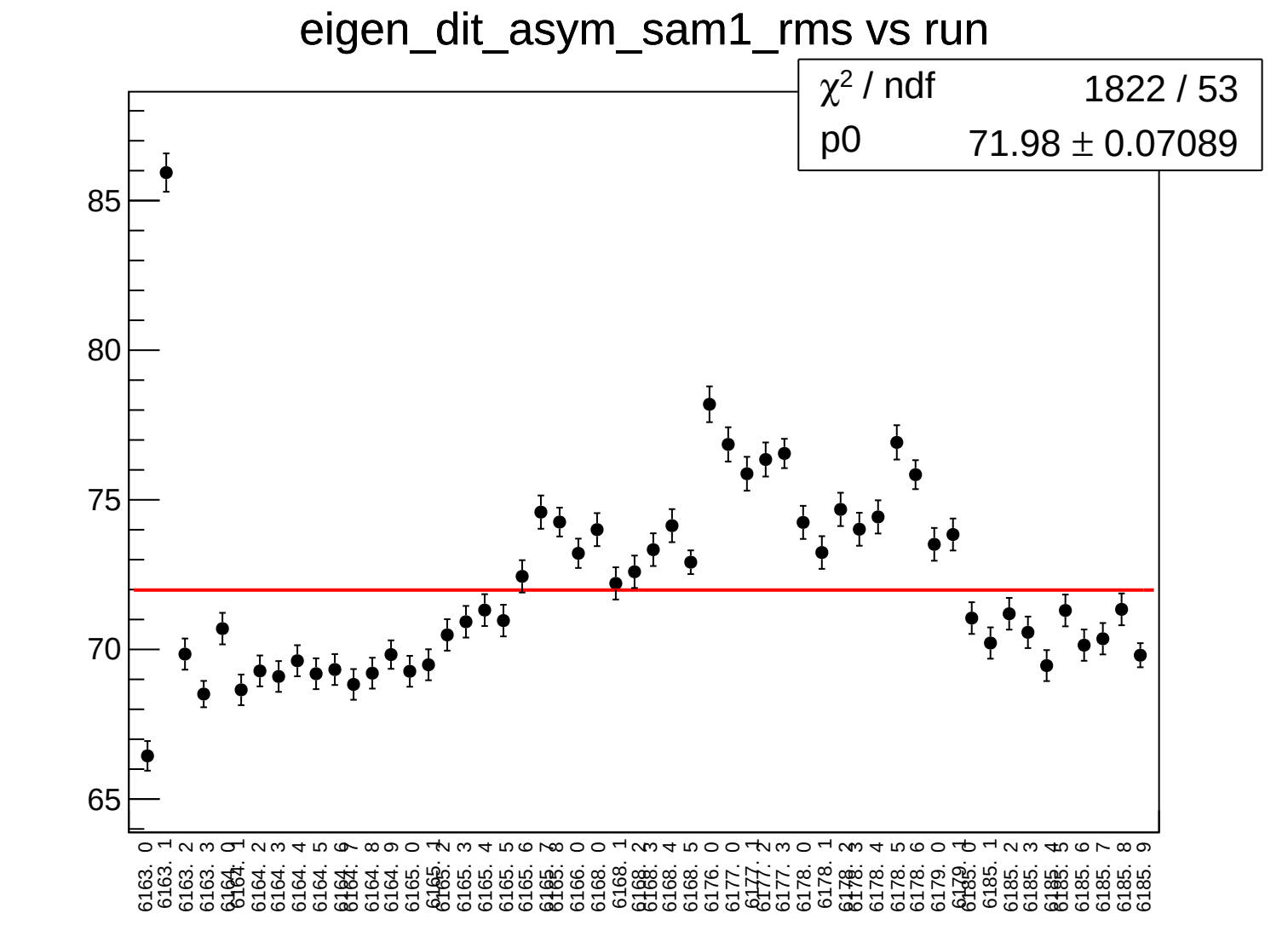

asym_sam1_dit_correction_mean vs run
χ² / ndf 49.67 / 53
p0 843.4 ± 707
pull
Entries 54
Mean 61.99
Std Dev 0


pull1D
Entries 54
Mean 0.02633
Std Dev 0.9587


asym_sam1_dit_correction_rms vs run
χ² / ndf 4323 / 53
p0 507.1 ± 0.5
600
580
560
540
520
500
480
460
440
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


eigen_dit_asym_sam1_mean vs run
χ² / ndf 50.68 / 53
p0 −40.49 ± 100.3
pull
Entries 54
Mean −75.03
Std Dev 0


pull1D
Entries 54
Mean 0.003779
Std Dev 0.9688


eigen_dit_asym_sam1_rms vs run
χ² / ndf 1822 / 53
p0 71.98 ± 0.07089
85
80
75
70
65
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
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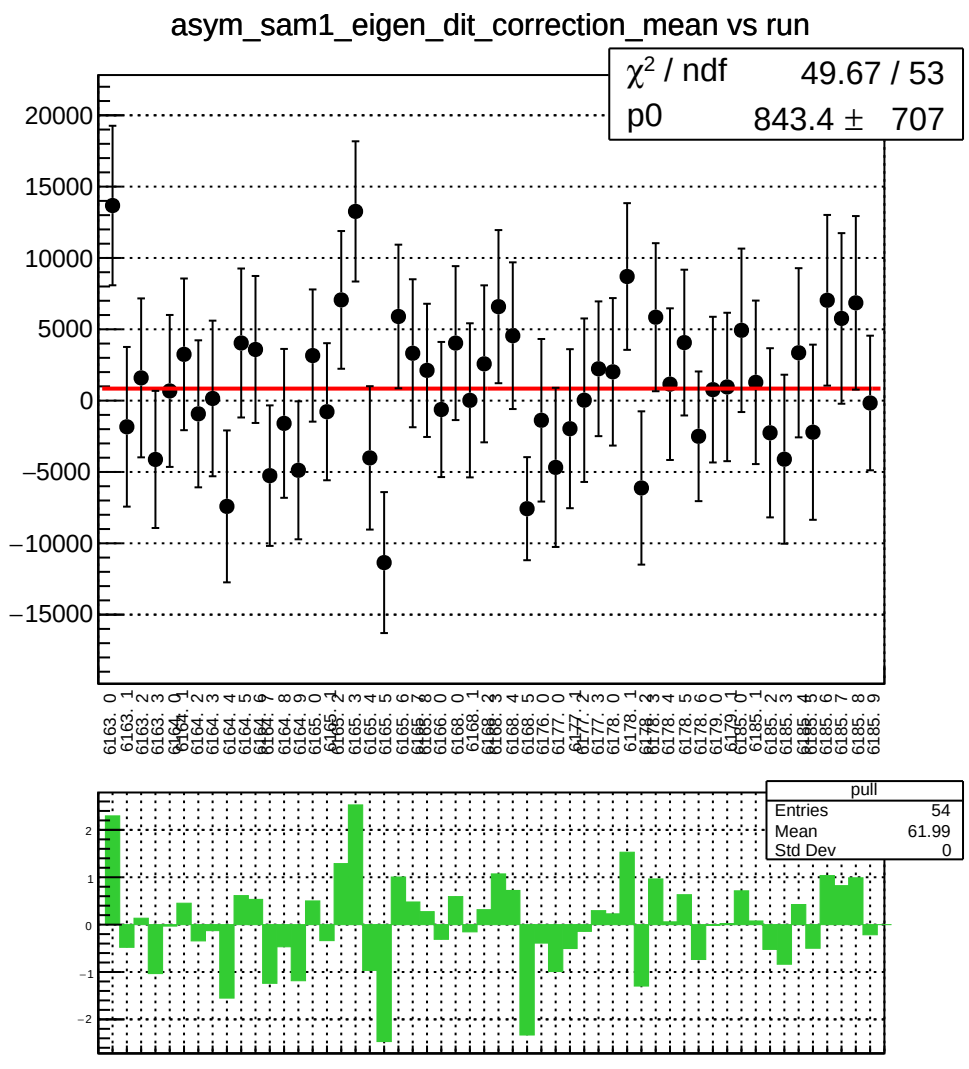
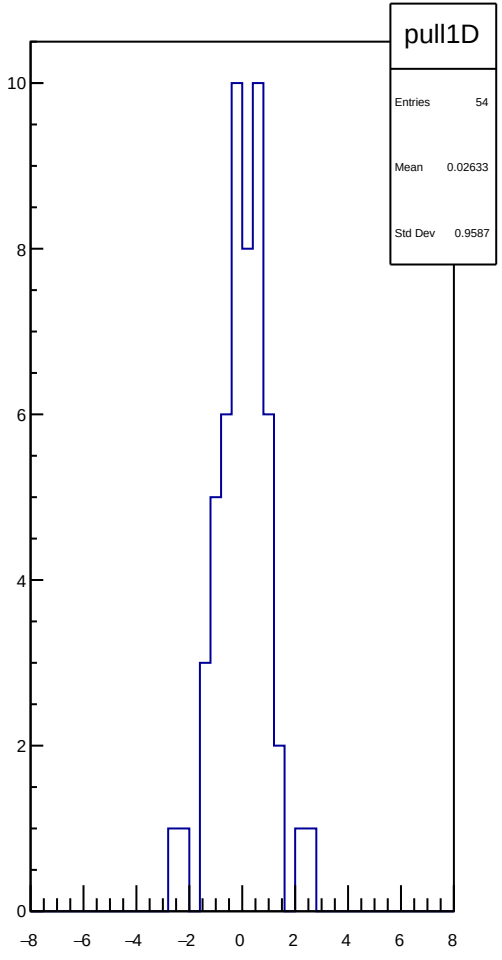
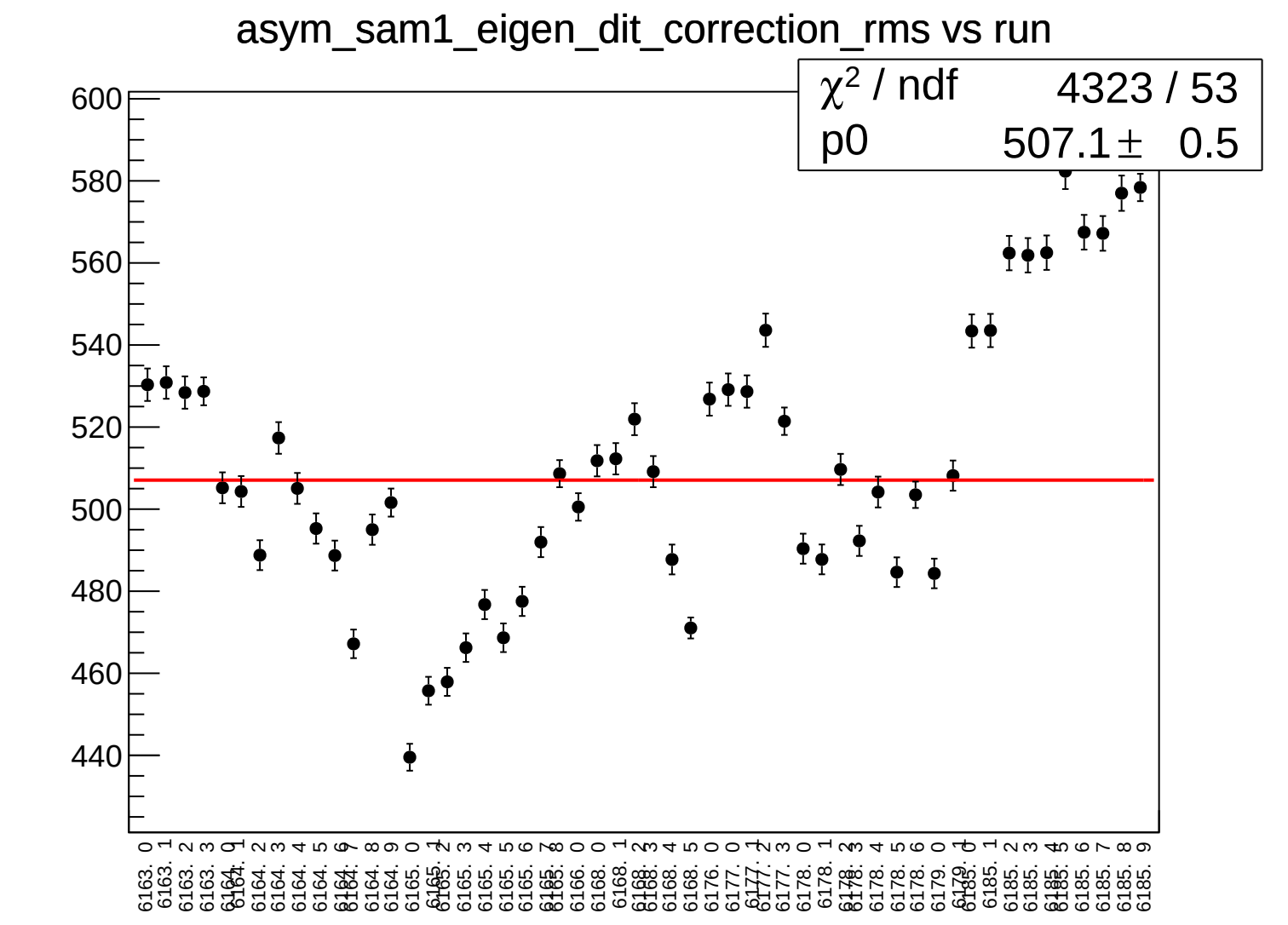
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


asym_sam1_eigen_dit_correction_mean vs run
χ² / ndf 49.67 / 53
p0 843.4 ± 707
pull
Entries 54
Mean 61.99
Std Dev 0


pull1D
Entries 54
Mean 0.02633
Std Dev 0.9587


asym_sam1_eigen_dit_correction_rms vs run
χ² / ndf 4323 / 53
p0 507.1 ± 0.5
600
580
560
540
520
500
480
460
440
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
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6185. 6
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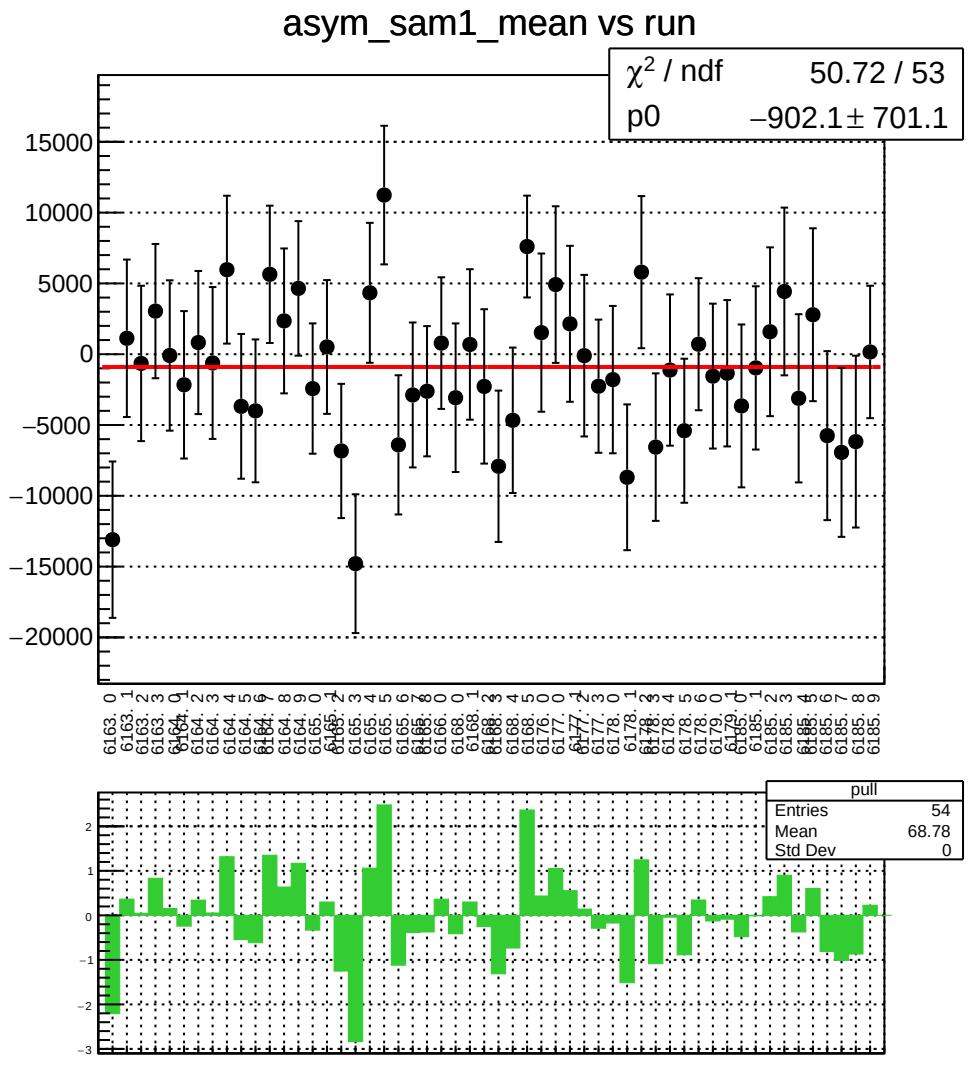
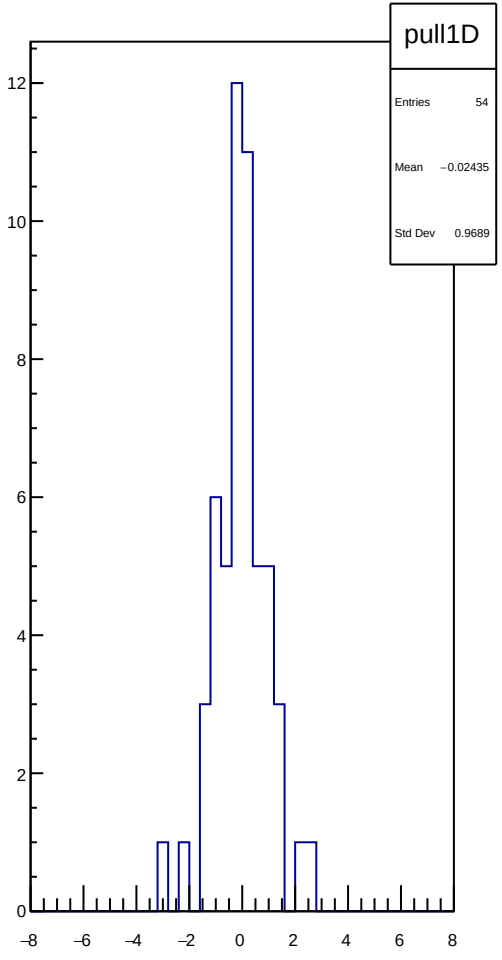
6185. 8
6185. 9


asym_sam1_mean vs run
χ² / ndf 50.72 / 53
p0 −902.1 ± 701.1
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 54
Mean 68.78
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 54
Mean −0.02435
Std Dev 0.9689
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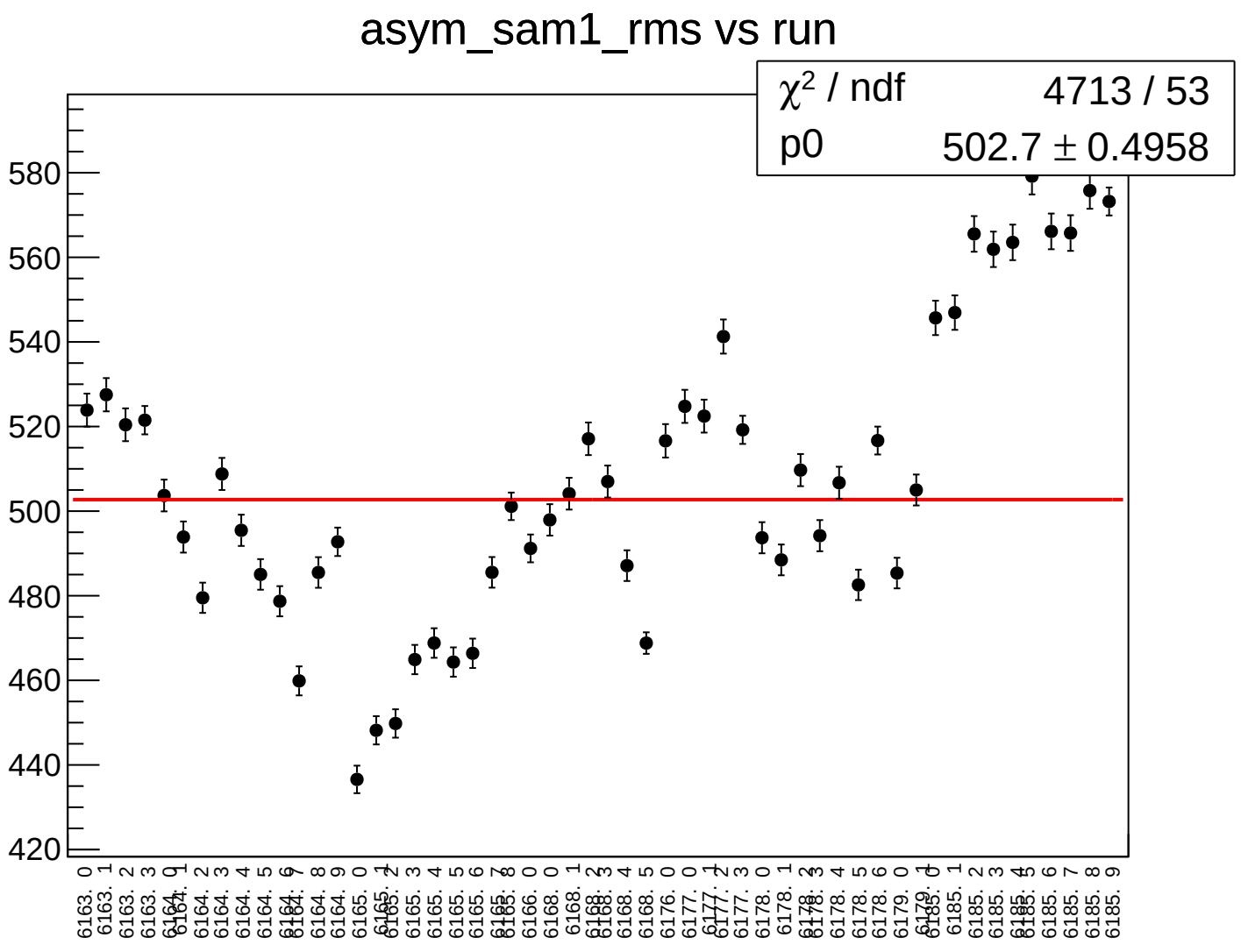
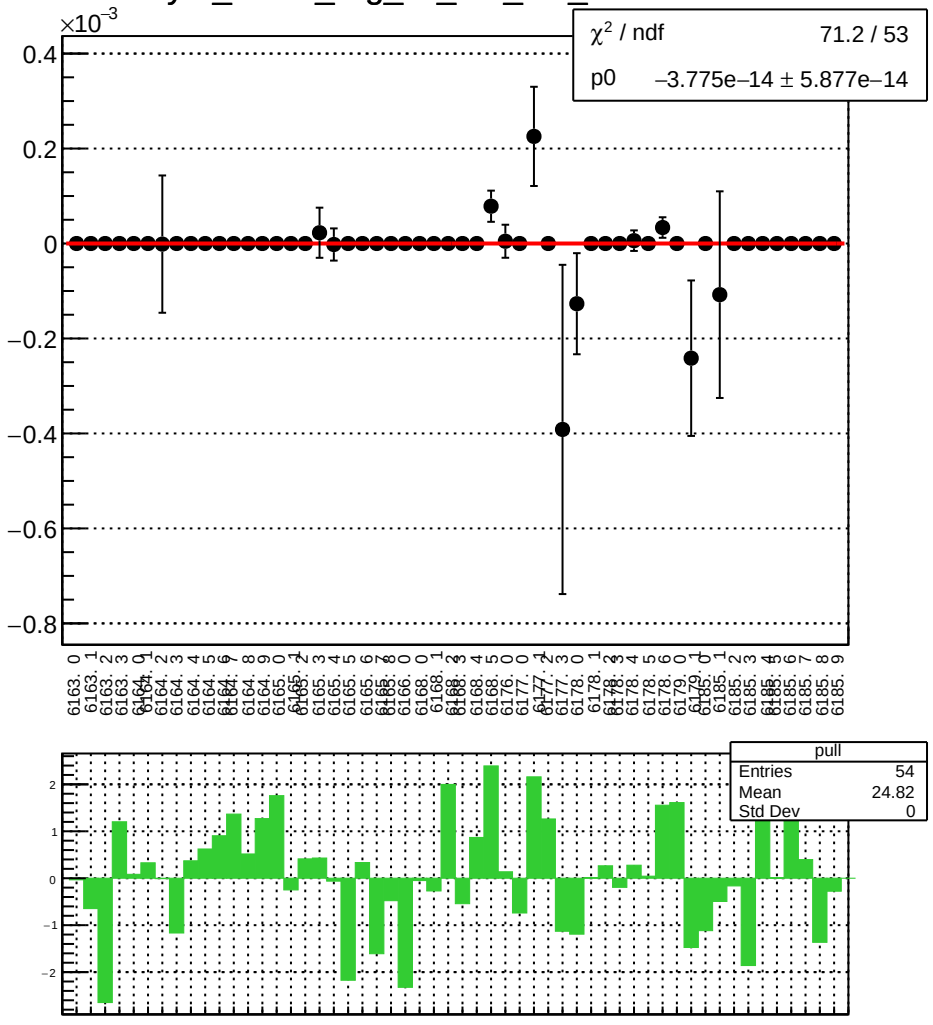
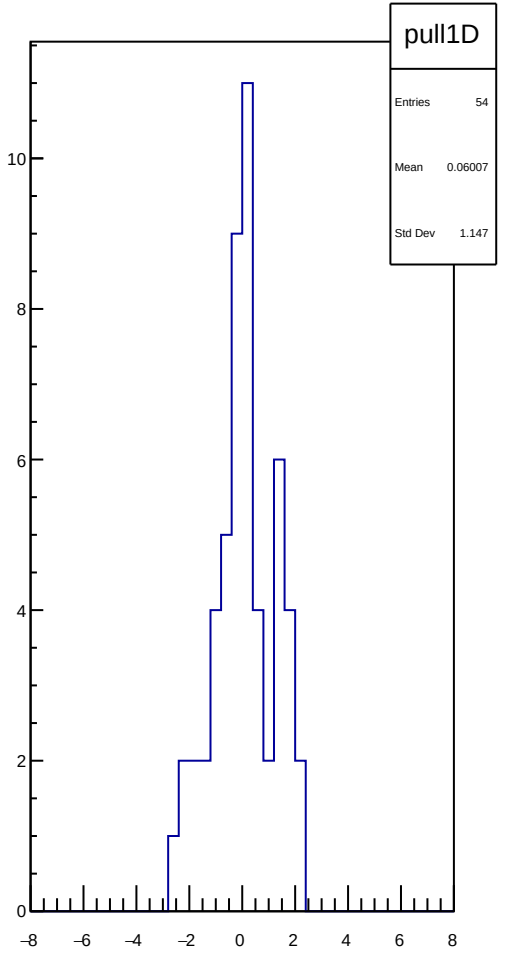
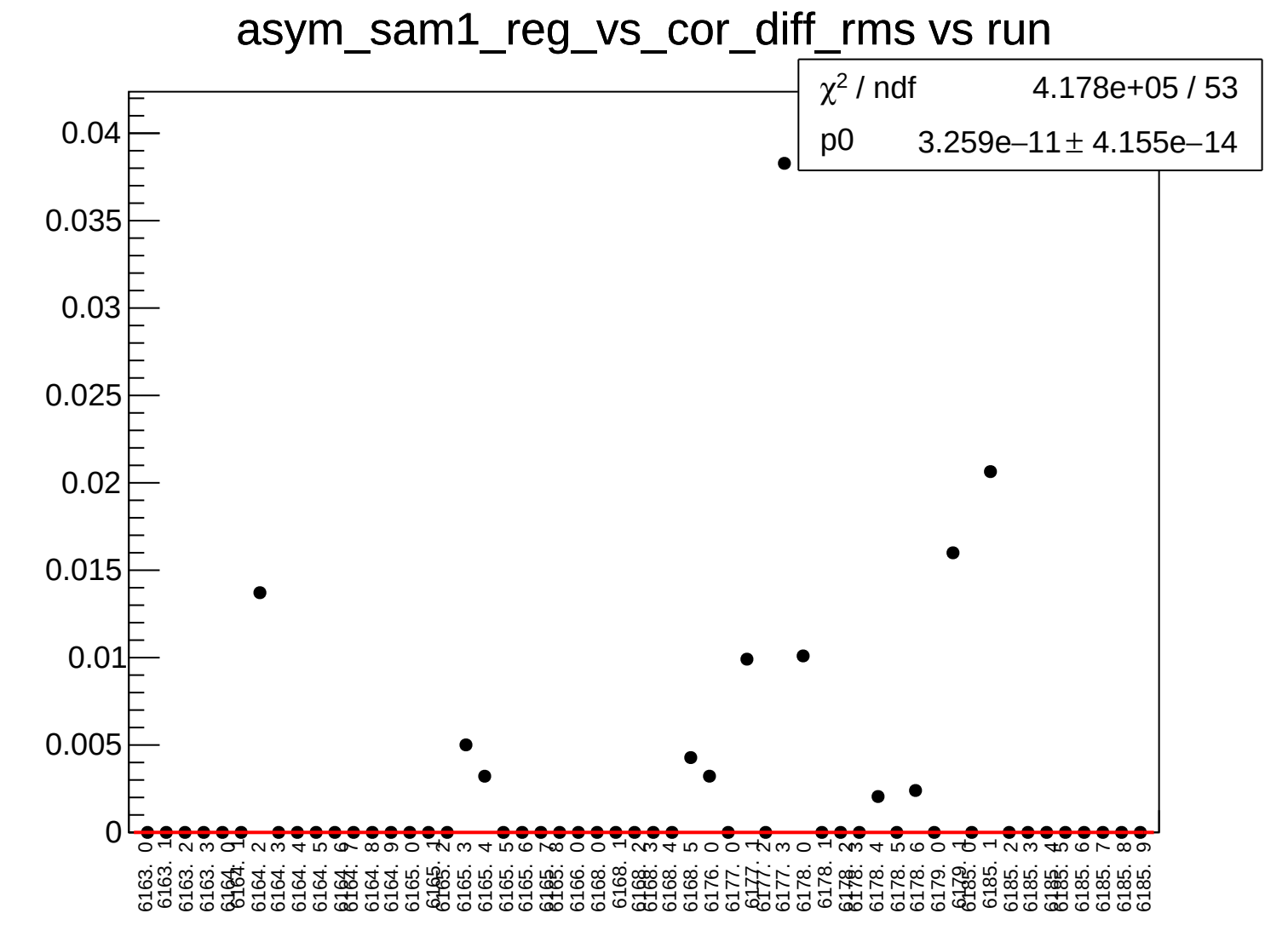
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam1_rms vs run
χ² / ndf 4713 / 53
p0 502.7 ± 0.4958
580
560
540
520
500
480
460
440
420
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


asym_sam1_reg_vs_cor_diff_mean vs run
×10^−3
χ² / ndf 71.2 / 53
p0 −3.775e−14 ± 5.877e−14
pull
Entries 54
Mean 24.82
Std Dev 0


pull1D
Entries 54
Mean 0.06007
Std Dev 1.147


asym_sam1_reg_vs_cor_diff_rms vs run
χ² / ndf 4.178e+05 / 53
p0 3.259e−11 ± 4.155e−14
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 5
6176. 0
6177. 0
6177. 1
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
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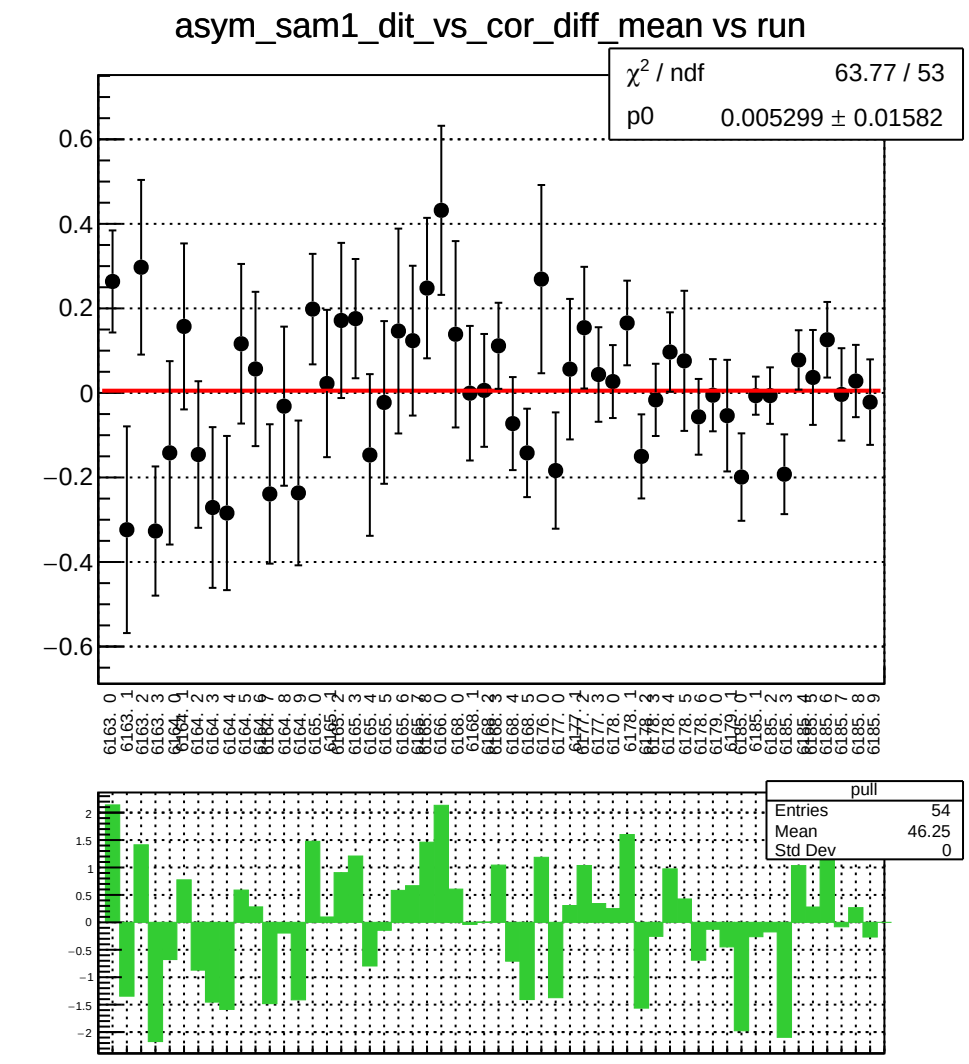
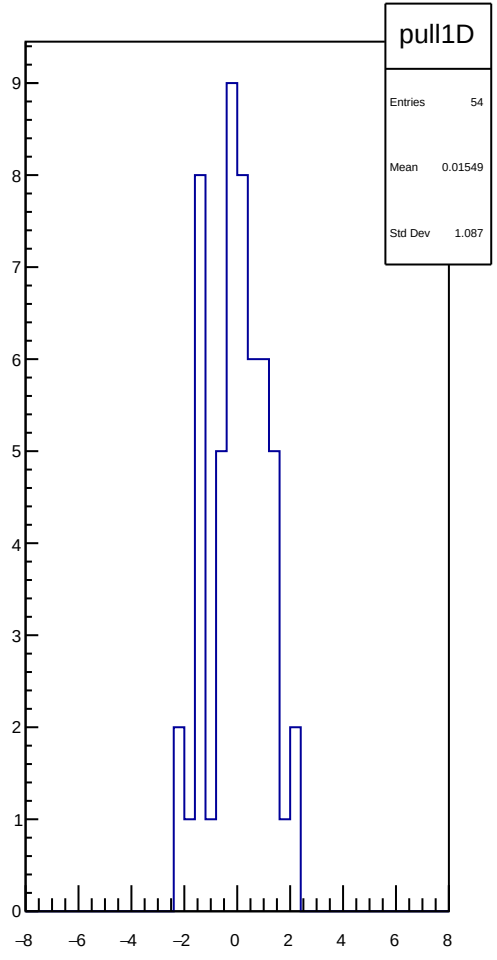
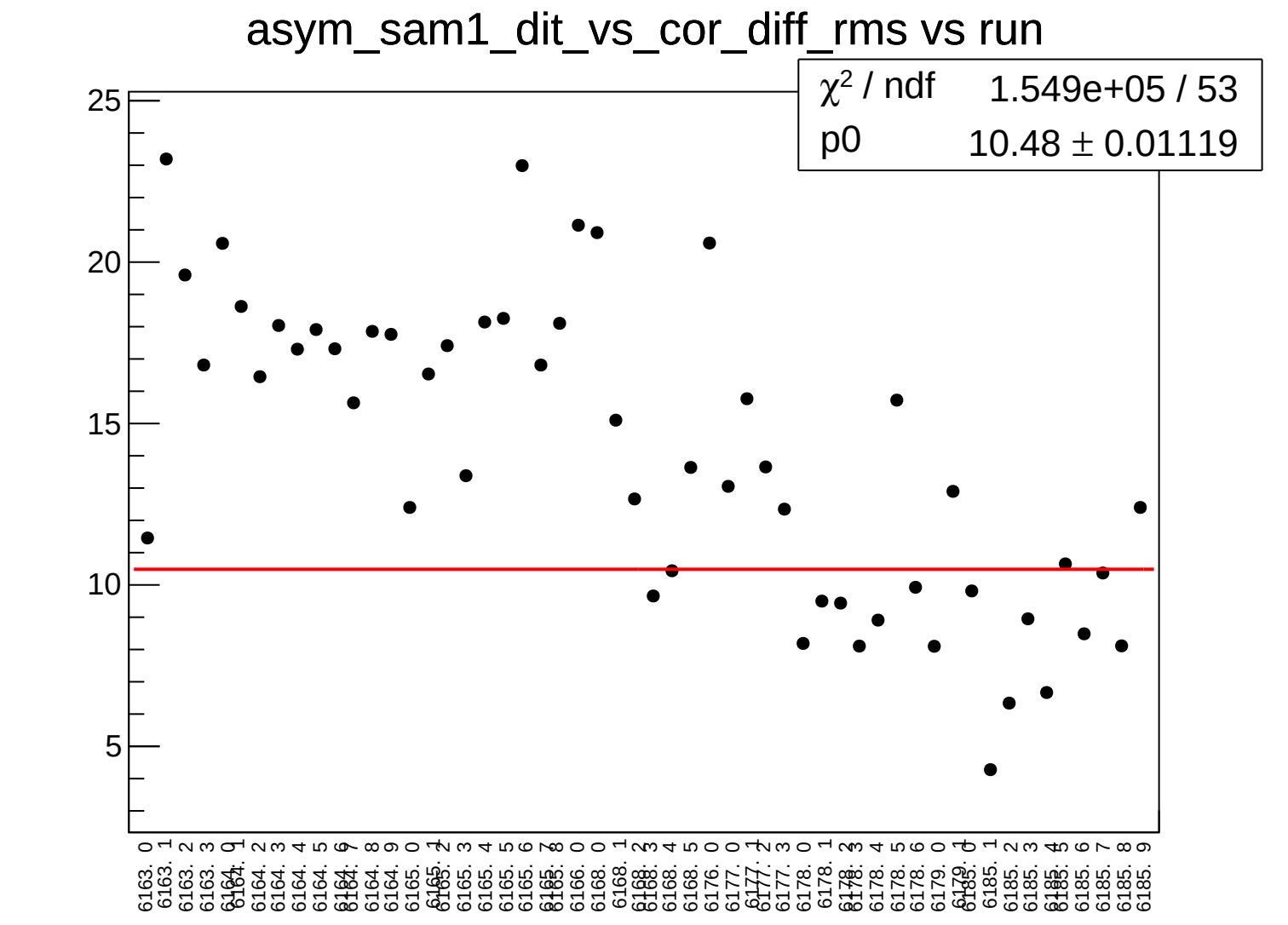
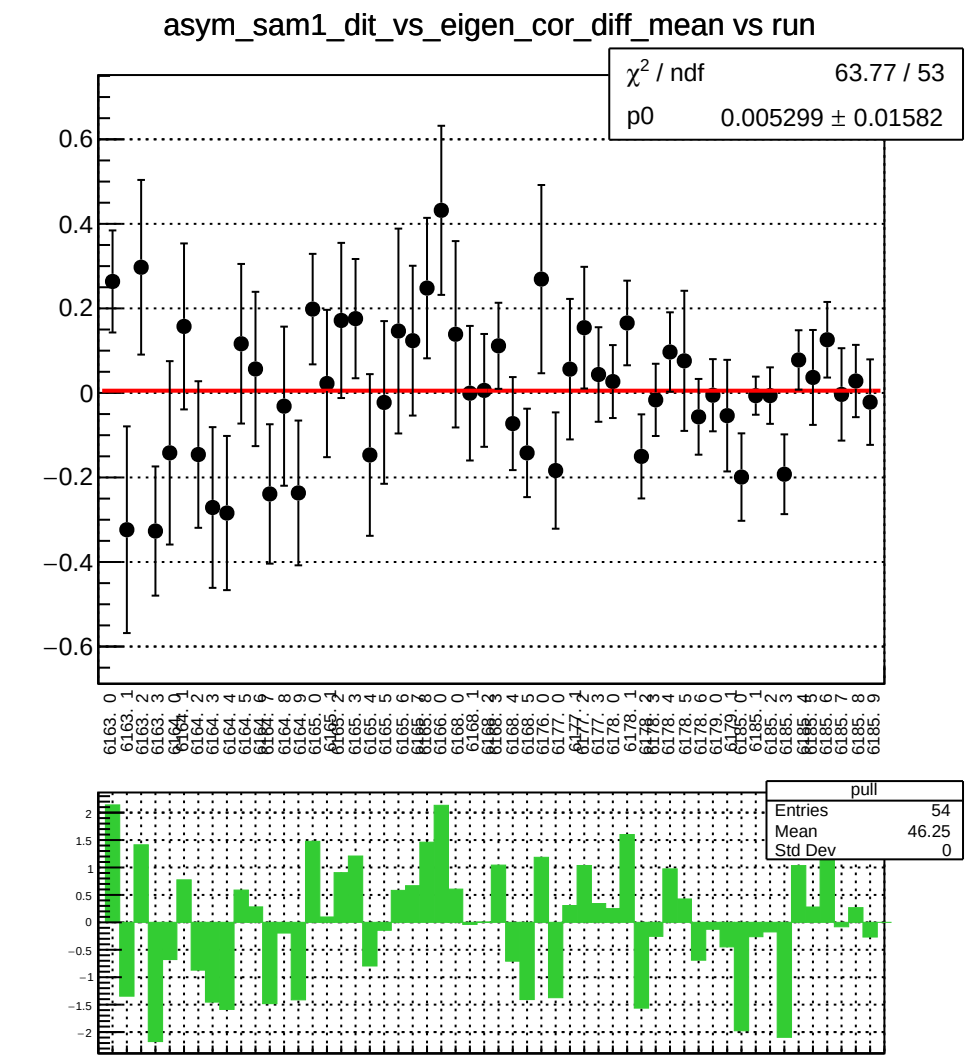
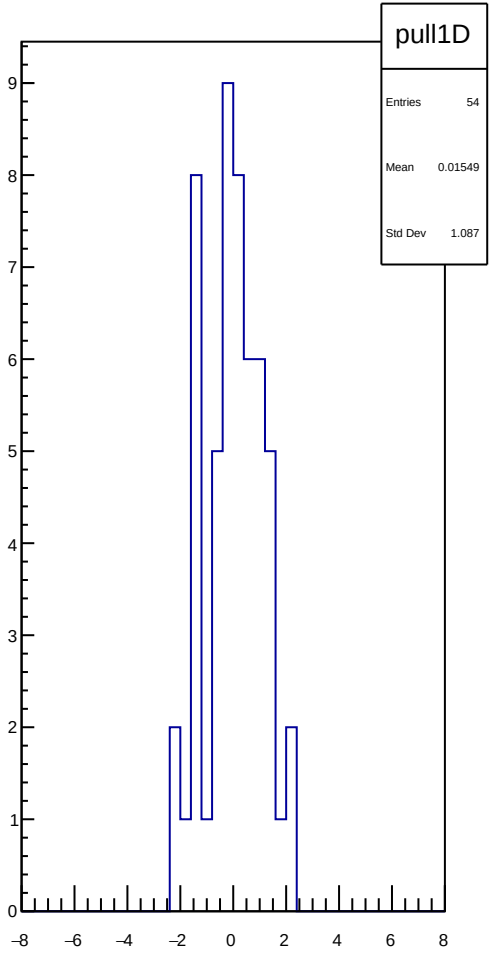
6185. 8
6185. 9

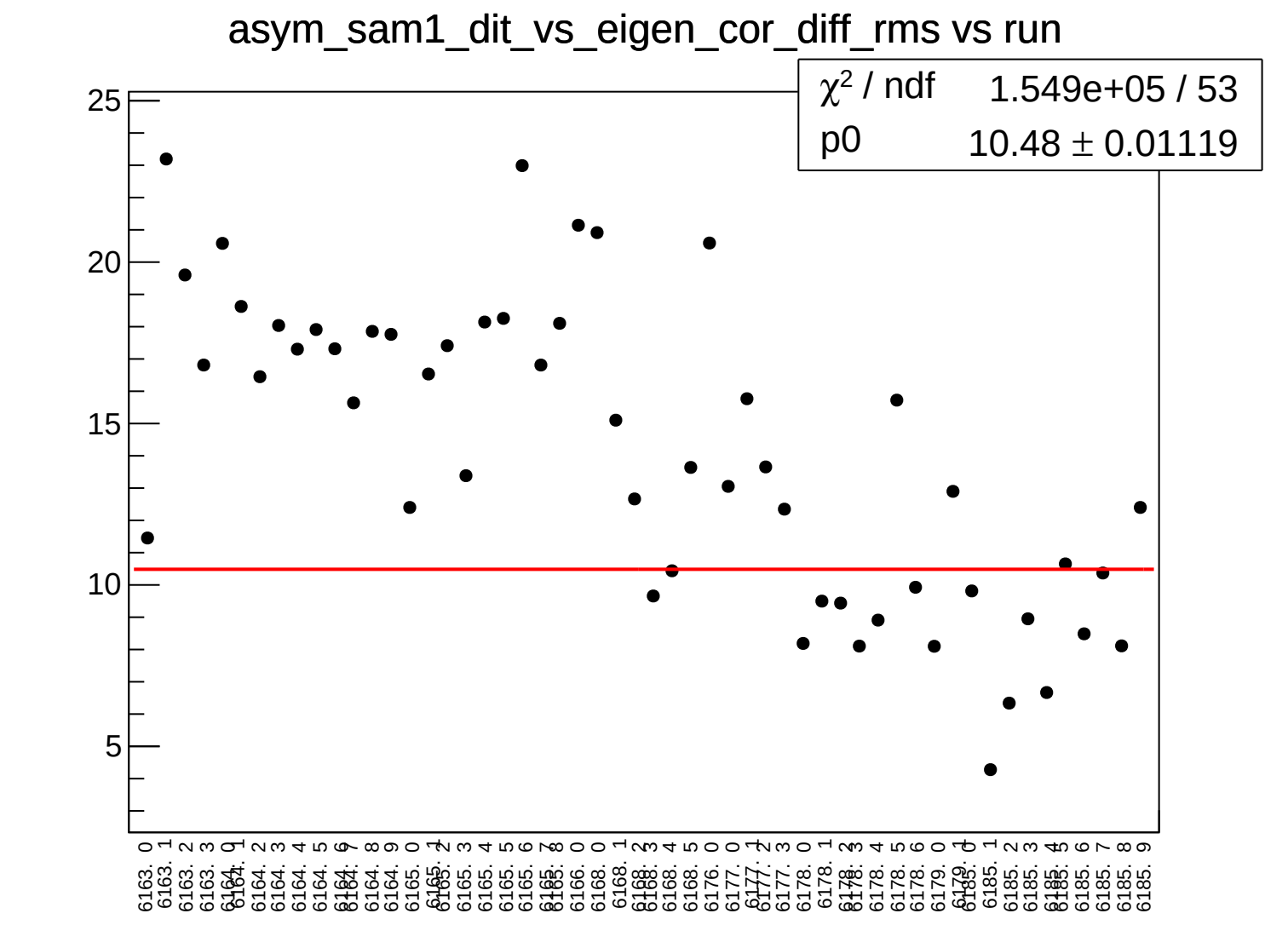

asym_sam1_dit_vs_cor_diff_mean vs run
χ² / ndf 63.77 / 53
p0 0.005299 ± 0.01582
pull
Entries 54
Mean 46.25
Std Dev 0

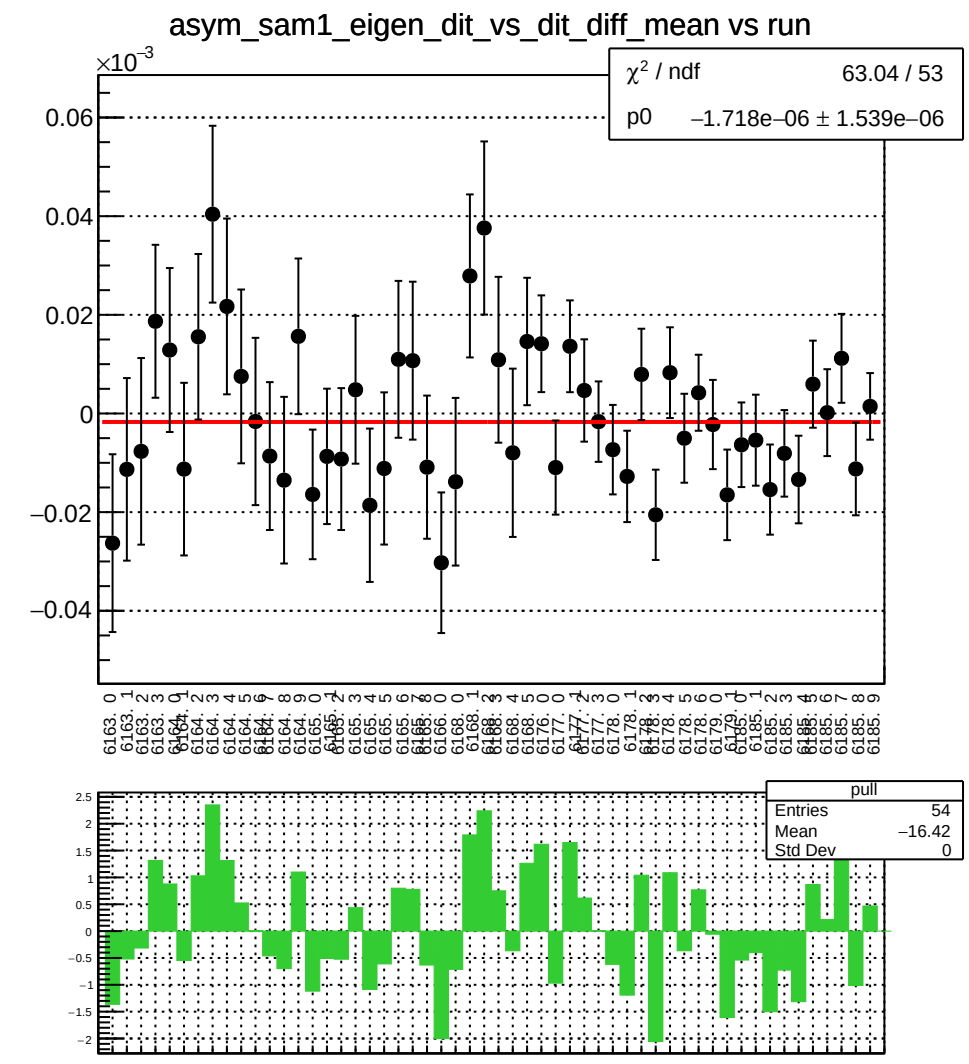

pull1D
Entries 54
Mean 0.01549
Std Dev 1.087

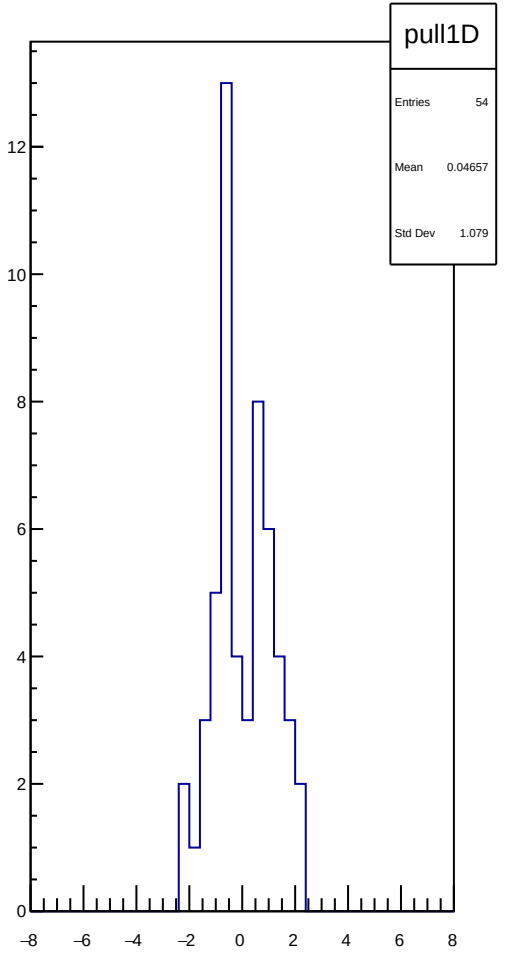

asym_sam1_dit_vs_cor_diff_rms vs run
χ² / ndf 1.549e+05 / 53
p0 10.48 ± 0.01119
25
20
15
10
5
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

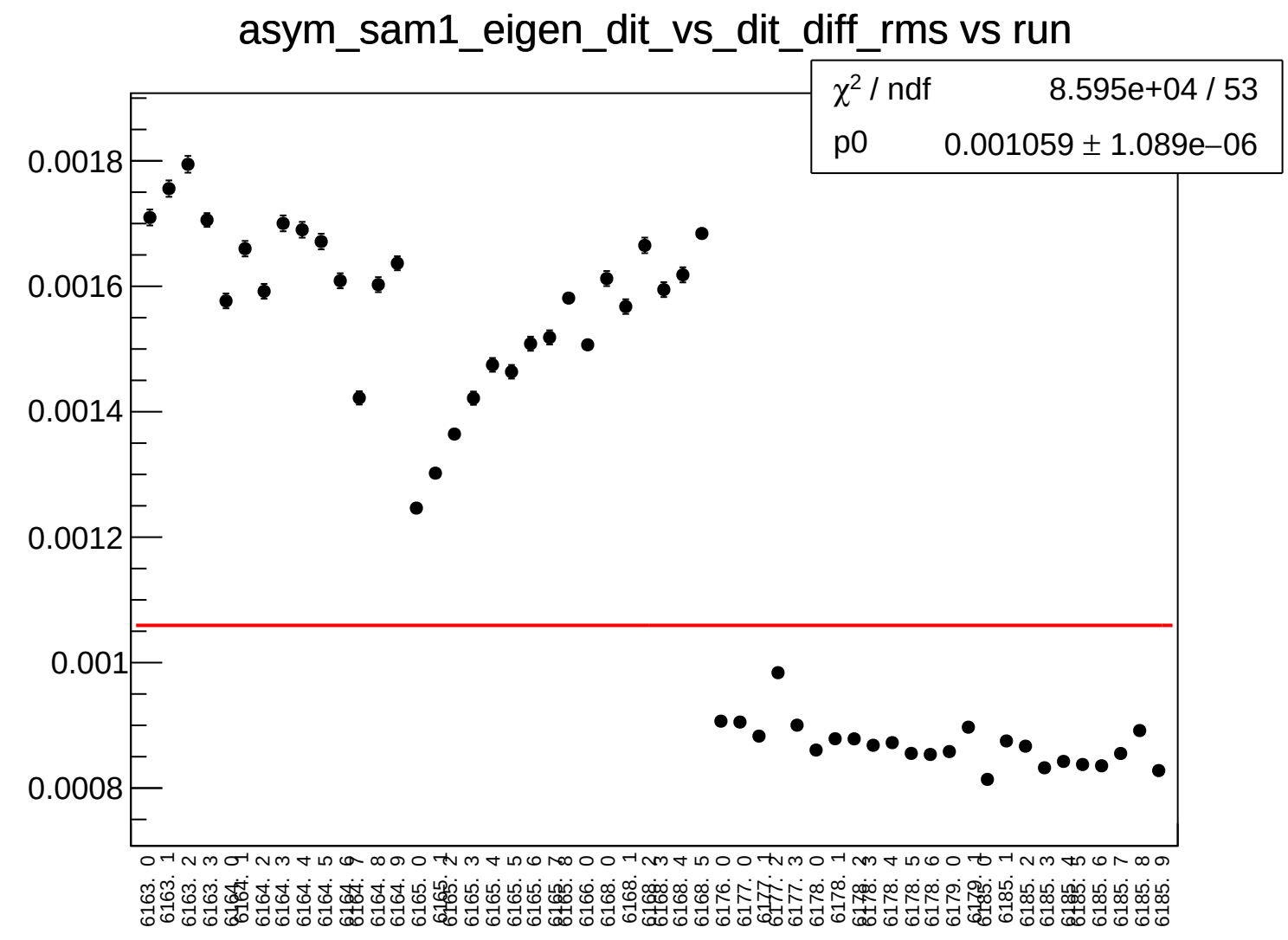

asym_sam1_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 63.77 / 53
p0 0.005299 ± 0.01582
pull
Entries 54
Mean 46.25
Std Dev 0

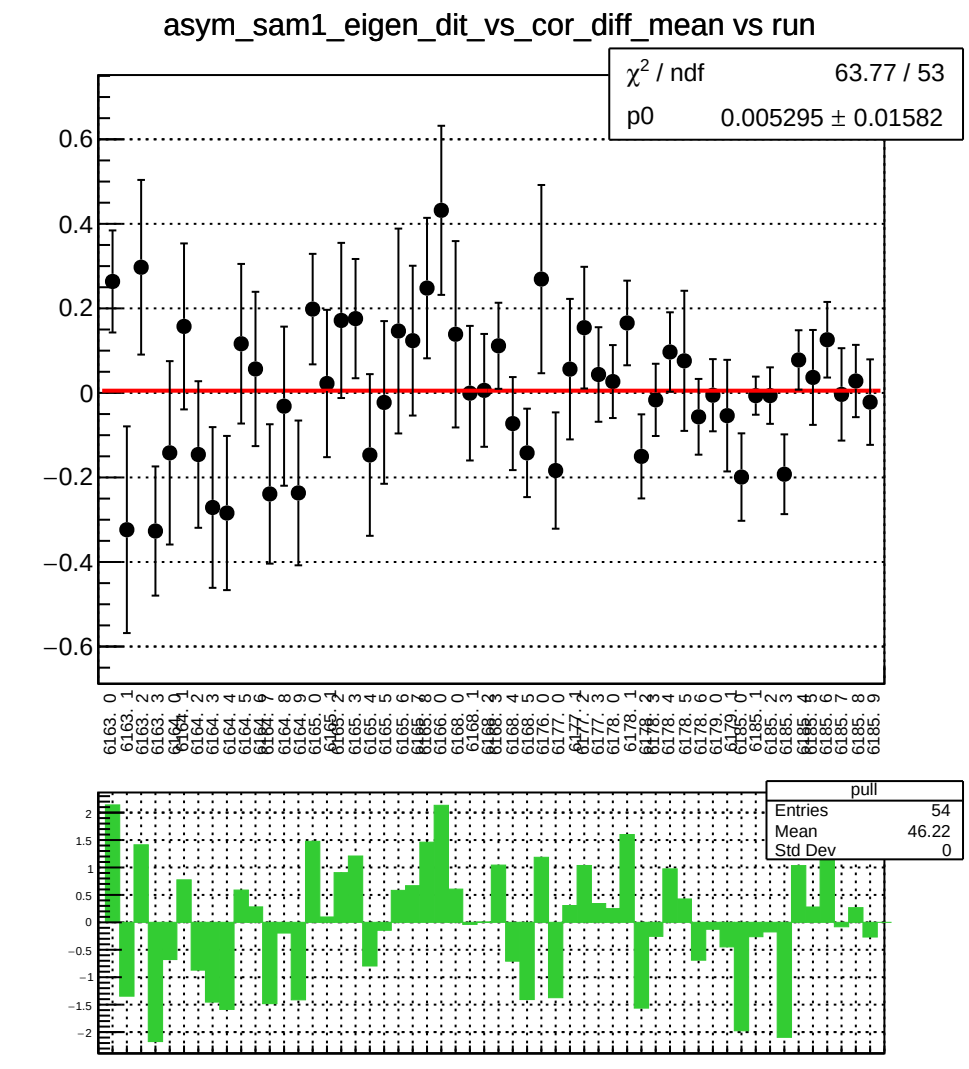

pull1D
Entries 54
Mean 0.01549
Std Dev 1.087

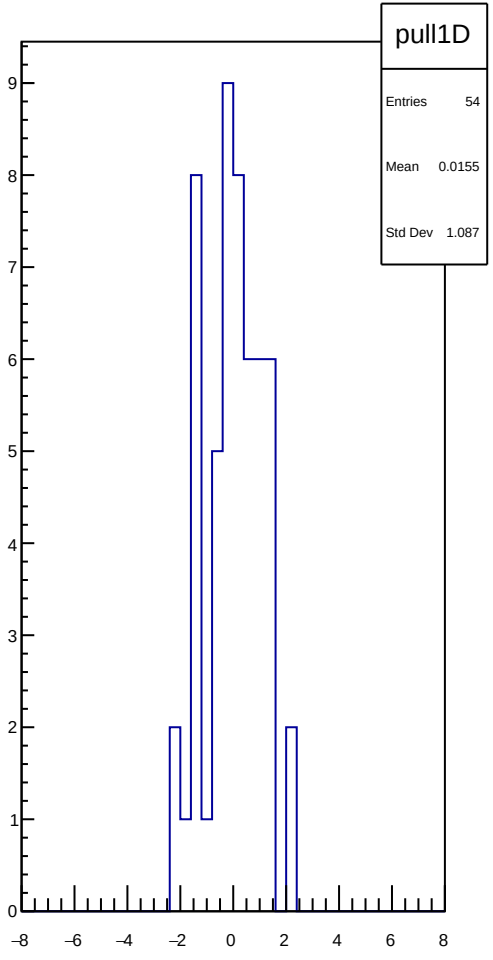

asym_sam1_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.549e+05 / 53
p0 10.48 ± 0.01119
25
20
15
10
5
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

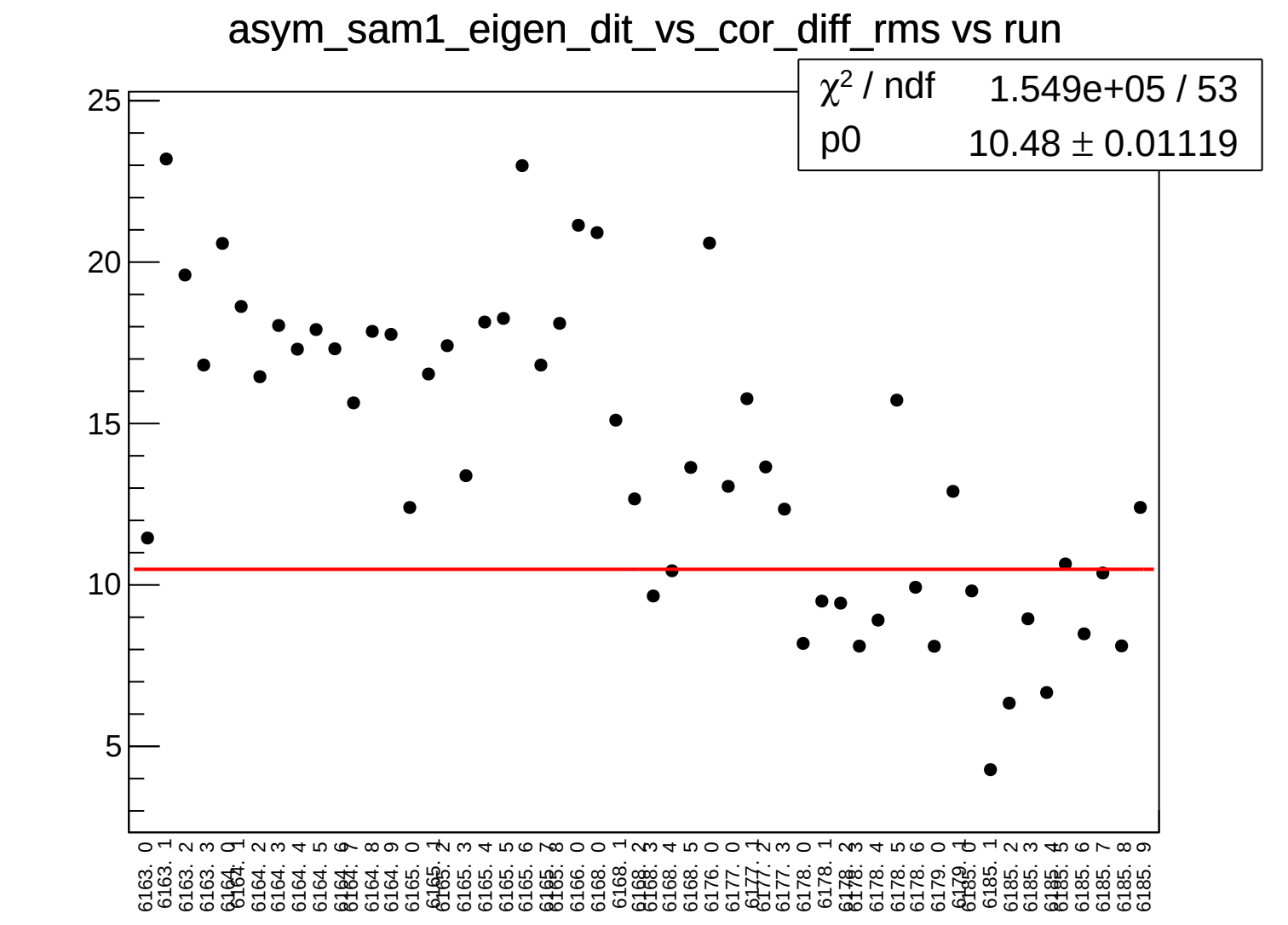

asym_sam1_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 63.04 / 53
p0 −1.718e−06 ± 1.539e−06
0.06
0.04
0.02
0
−0.02
−0.04
pull
Entries 54
Mean −16.42
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

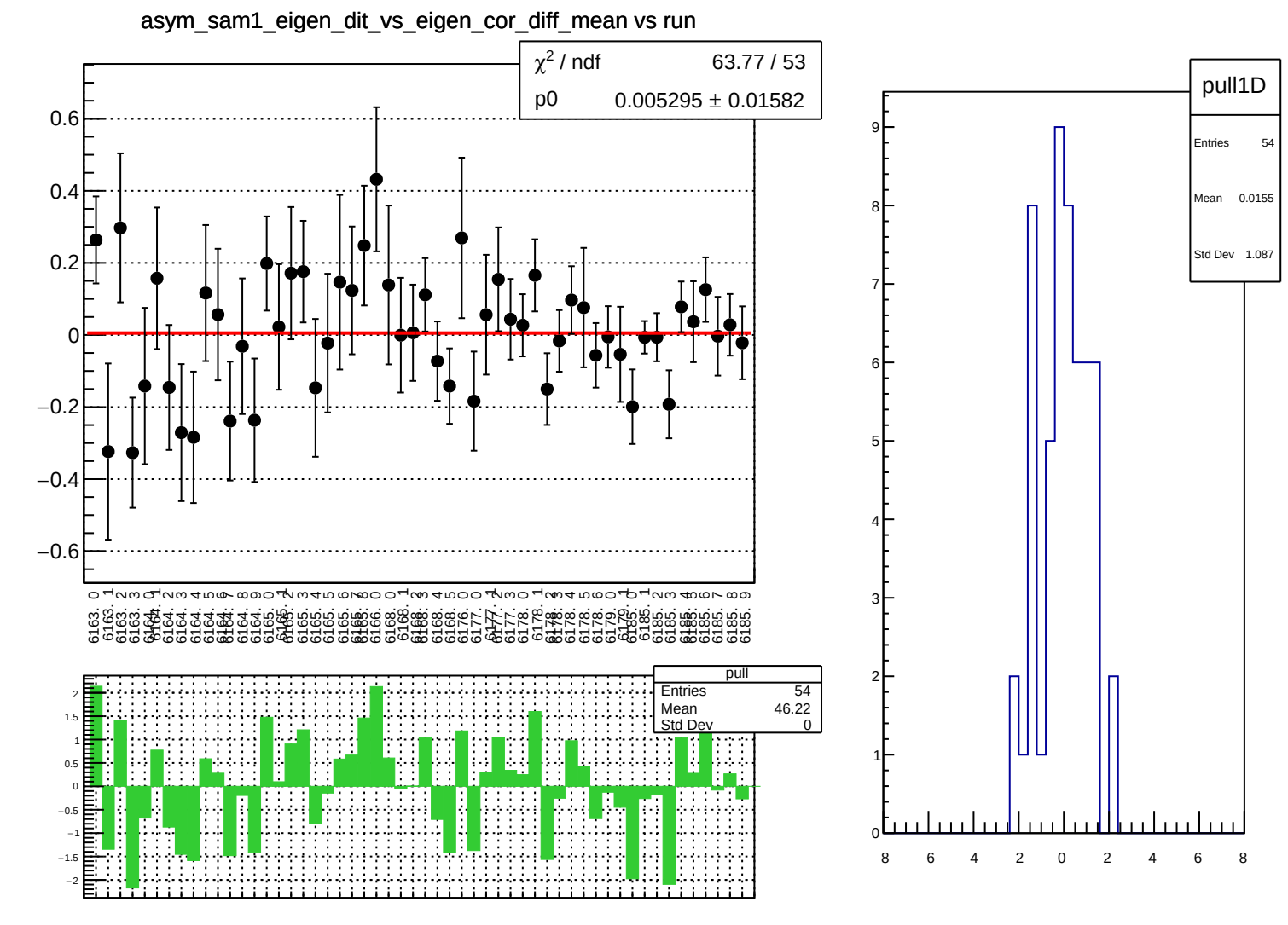

pull1D
Entries 54
Mean 0.04657
Std Dev 1.079
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

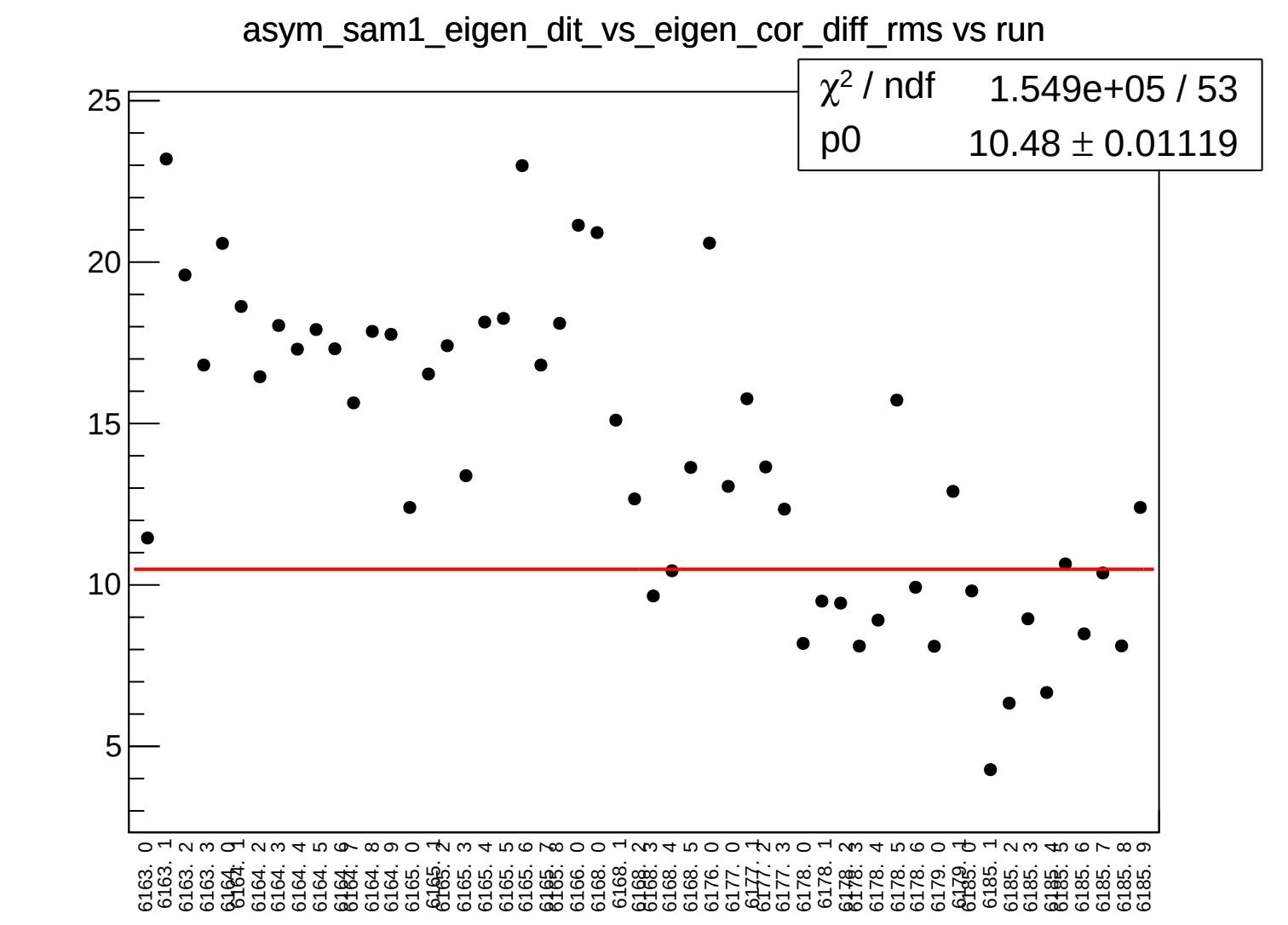

asym_sam1_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 8.595e+04 / 53
p0 0.001059 ± 1.089e−06
0.0018
0.0016
0.0014
0.0012
0.001
0.0008
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

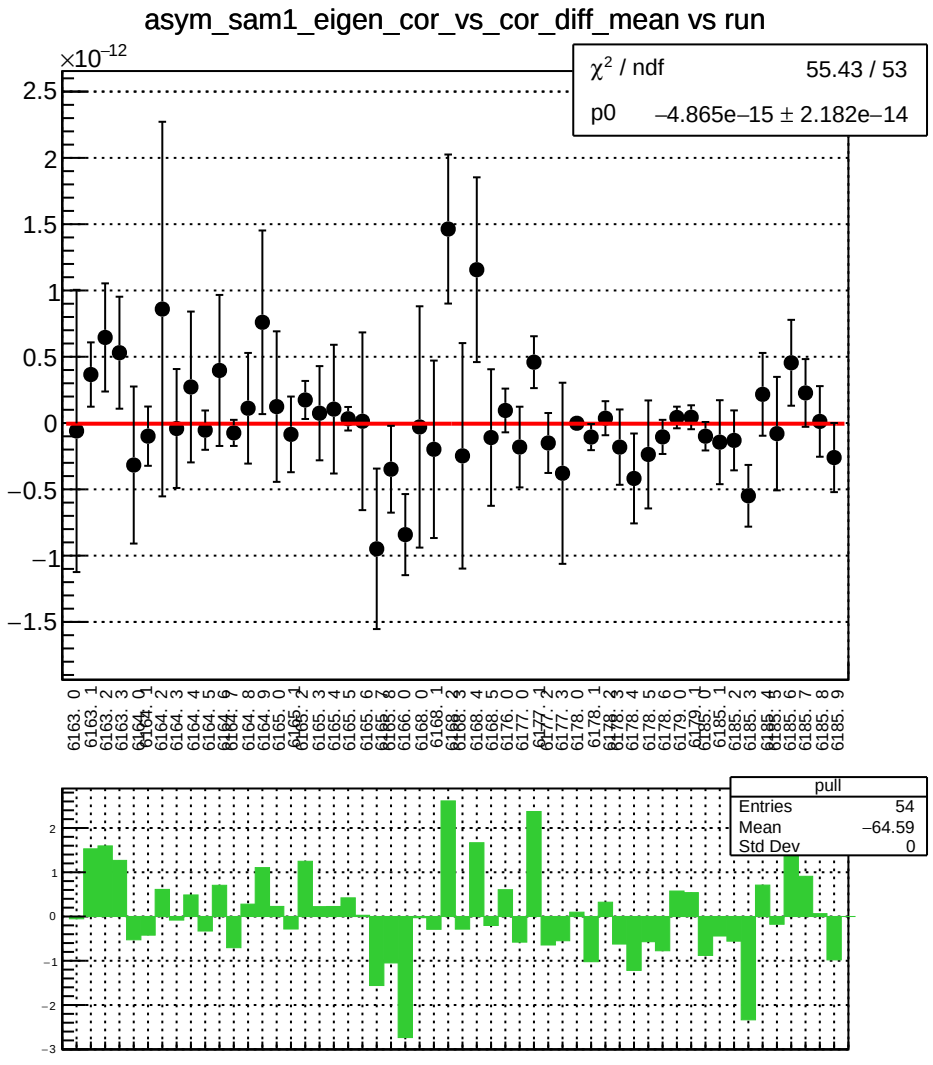

asym_sam1_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 63.77 / 53
p0 0.005295 ± 0.01582
pull
Entries 54
Mean 46.22
Std Dev 0

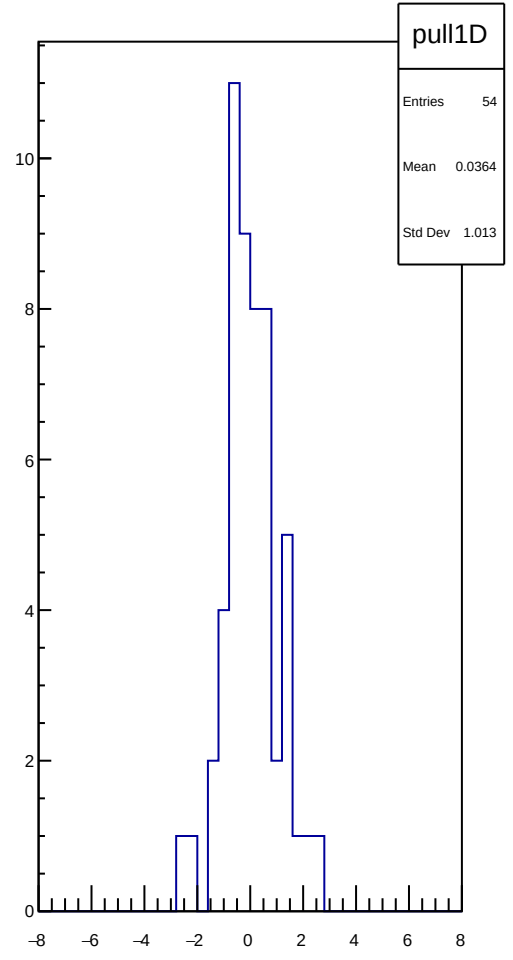

pull1D
Entries 54
Mean 0.0155
Std Dev 1.087

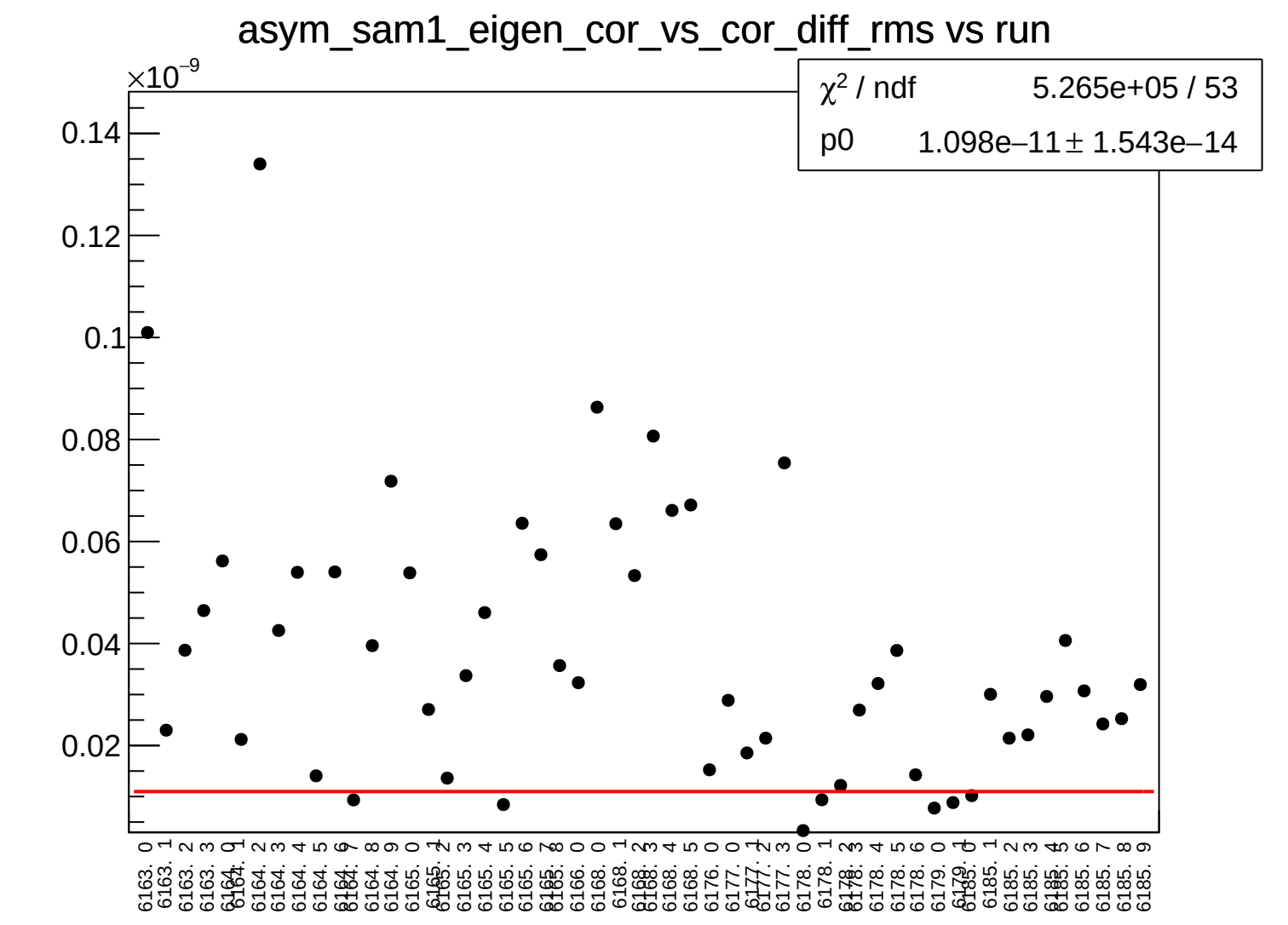

asym_sam1_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.549e+05 / 53
p0 10.48 ± 0.01119
25
20
15
10
5
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

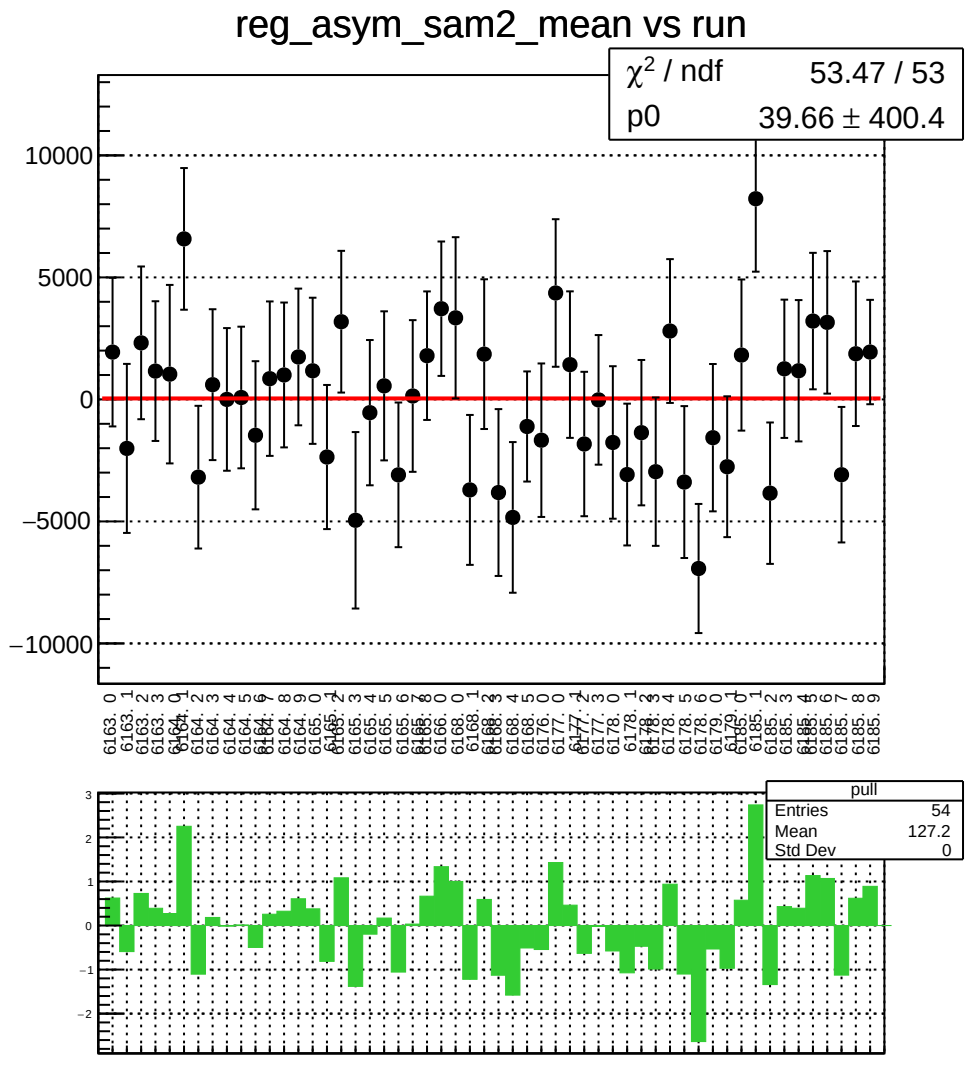

asym_sam1_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 63.77 / 53
p0 0.005295 ± 0.01582
pull
Entries 54
Mean 46.22
Std Dev 0
pull1D
Entries 54
Mean 0.0155
Std Dev 1.087

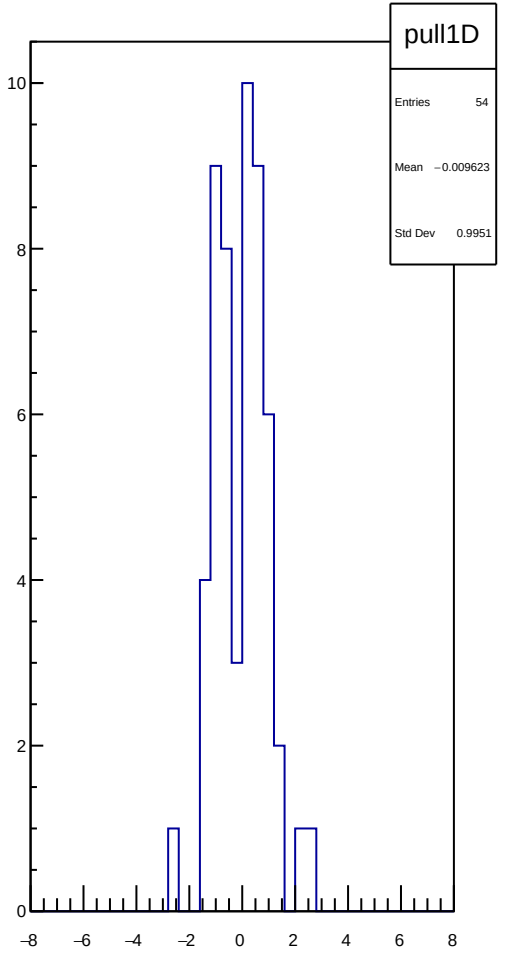

asym_sam1_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.549e+05 / 53
p0 10.48 ± 0.01119
25
20
15
10
5
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

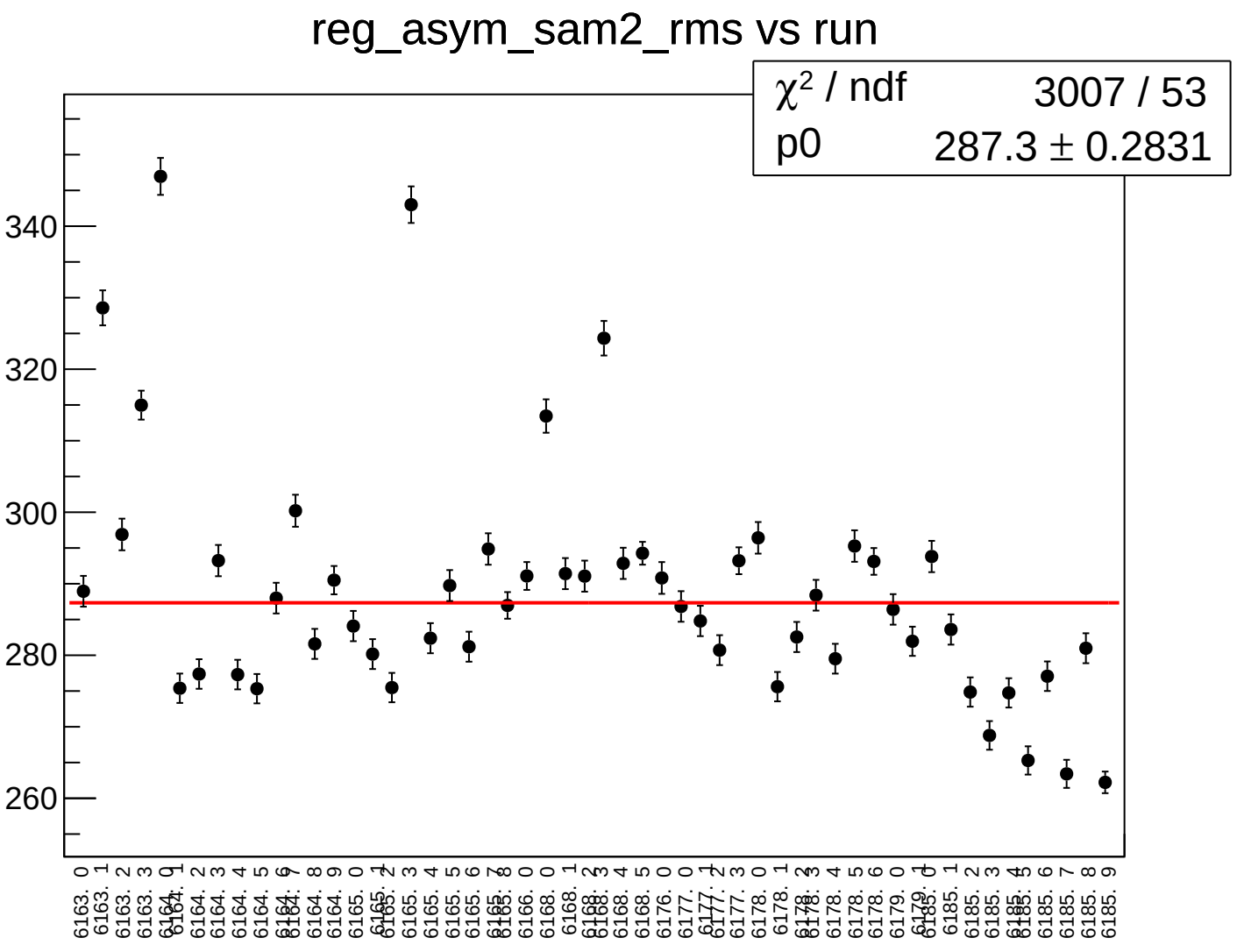

asym_sam1_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 55.43 / 53
p0 −4.865e−15 ± 2.182e−14
pull
Entries 54
Mean −64.59
Std Dev 0

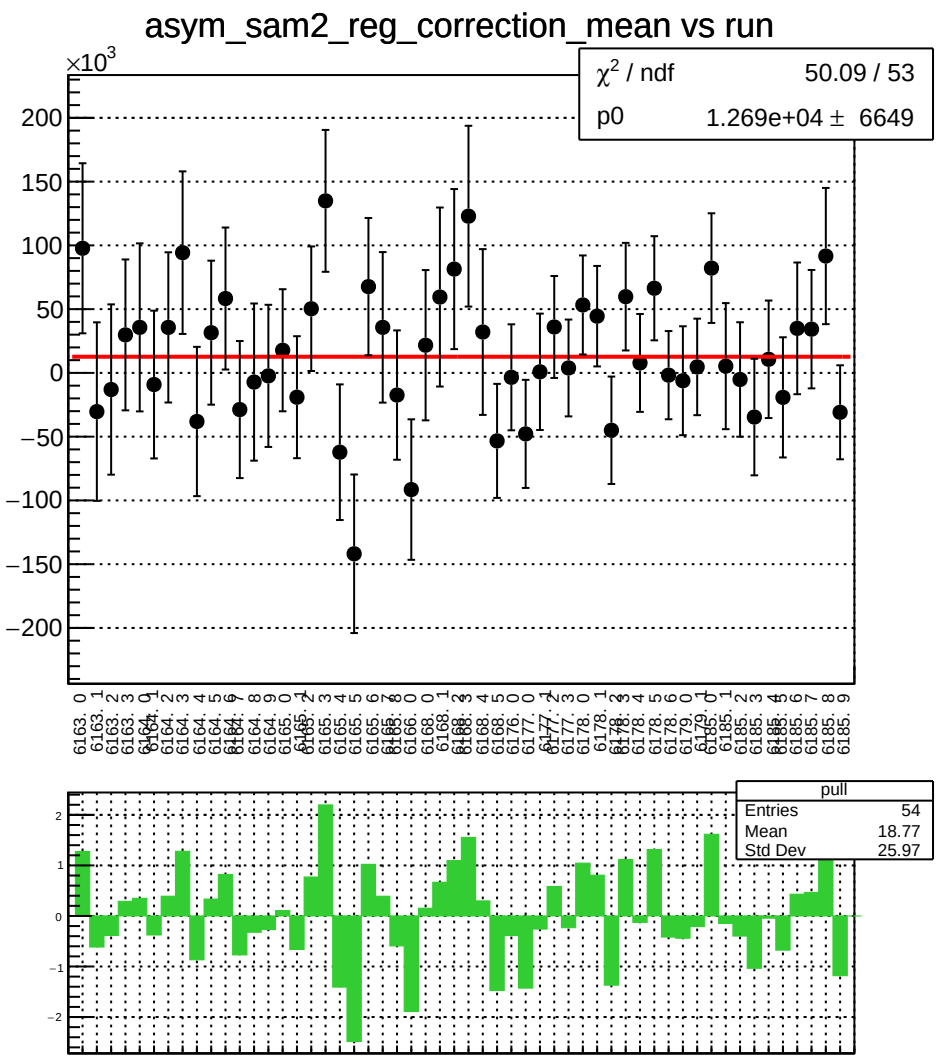

pull1D
Entries 54
Mean 0.0364
Std Dev 1.013

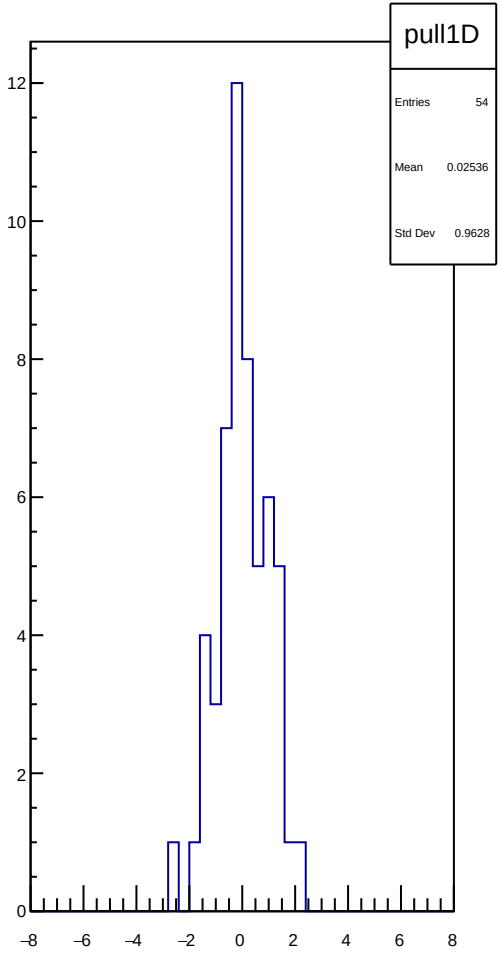

asym_sam1_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.265e+05 / 53
p0 1.098e−11 ± 1.543e−14
0.14
0.12
0.1
0.08
0.06
0.04
0.02
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

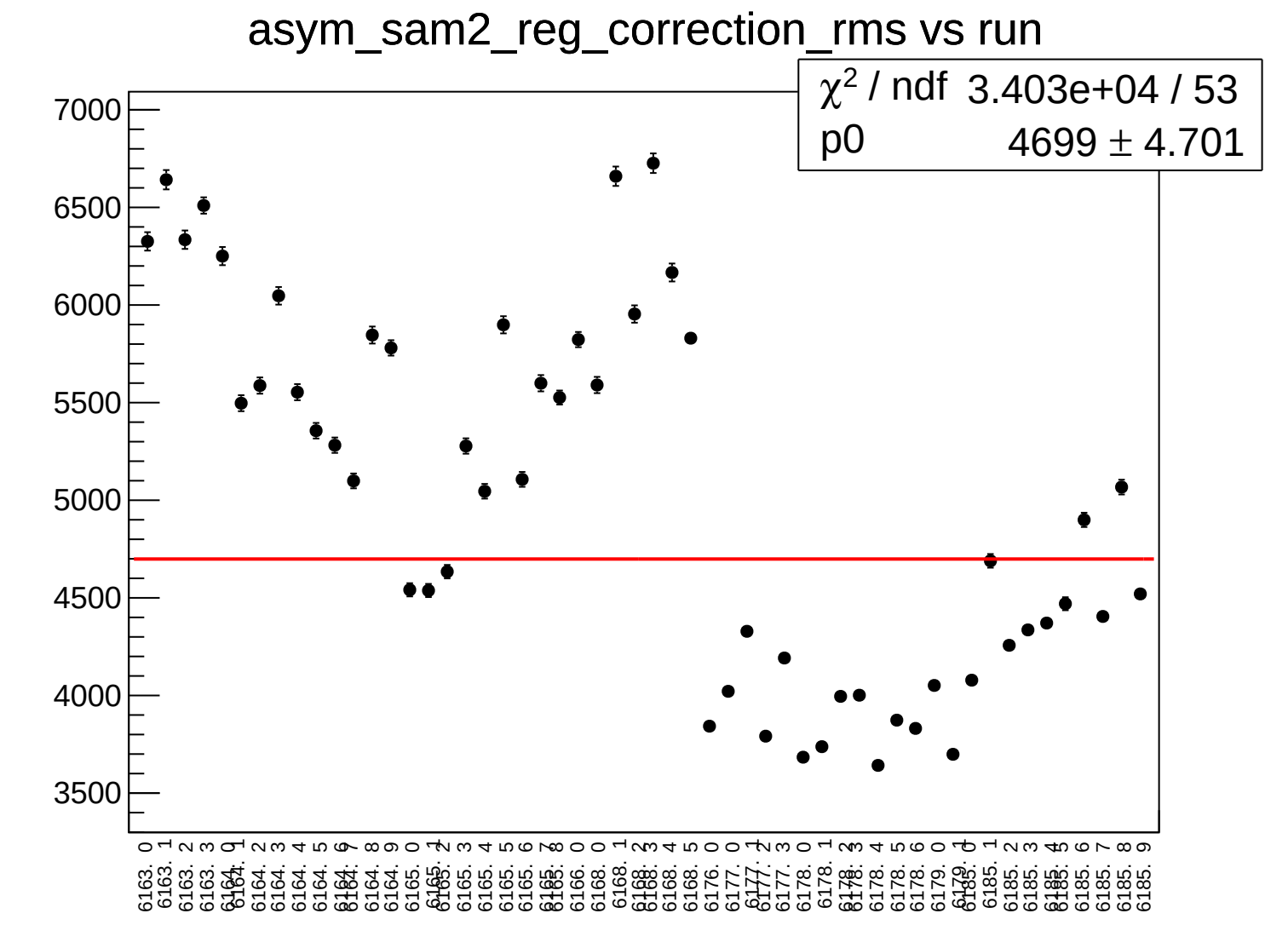

reg_asym_sam2_mean vs run
χ² / ndf 53.47 / 53
p0 39.66 ± 400.4
10000
5000
0
−5000
−10000
pull
Entries 54
Mean 127.2
Std Dev 0
3
2
1
0
−1
−2

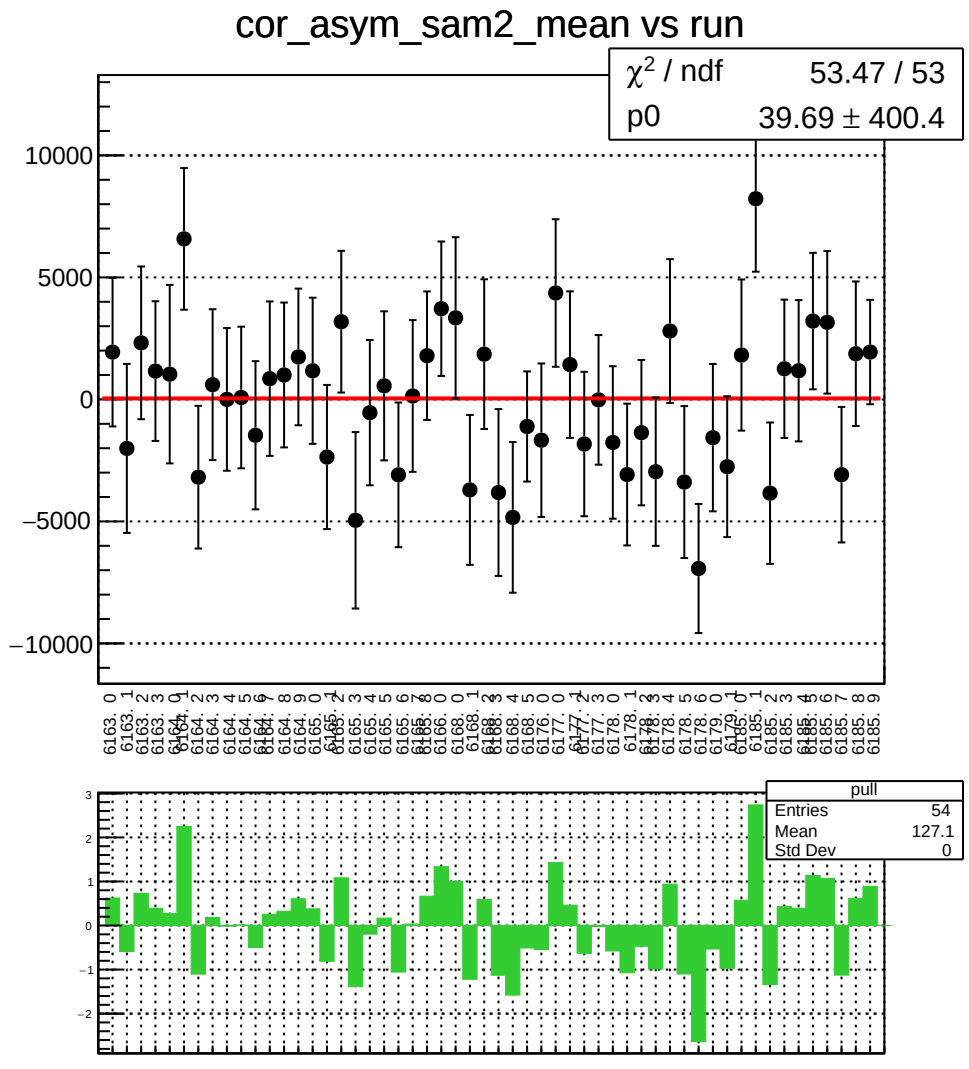

pull1D
Entries 54
Mean −0.009623
Std Dev 0.9951
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

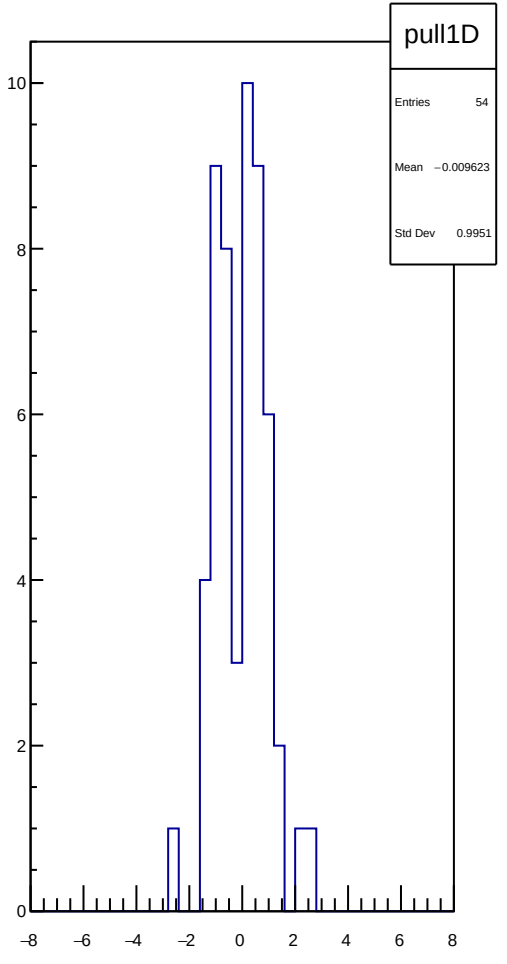

reg_asym_sam2_rms vs run
χ² / ndf 3007 / 53
p0 287.3 ± 0.2831
340
320
300
280
260
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

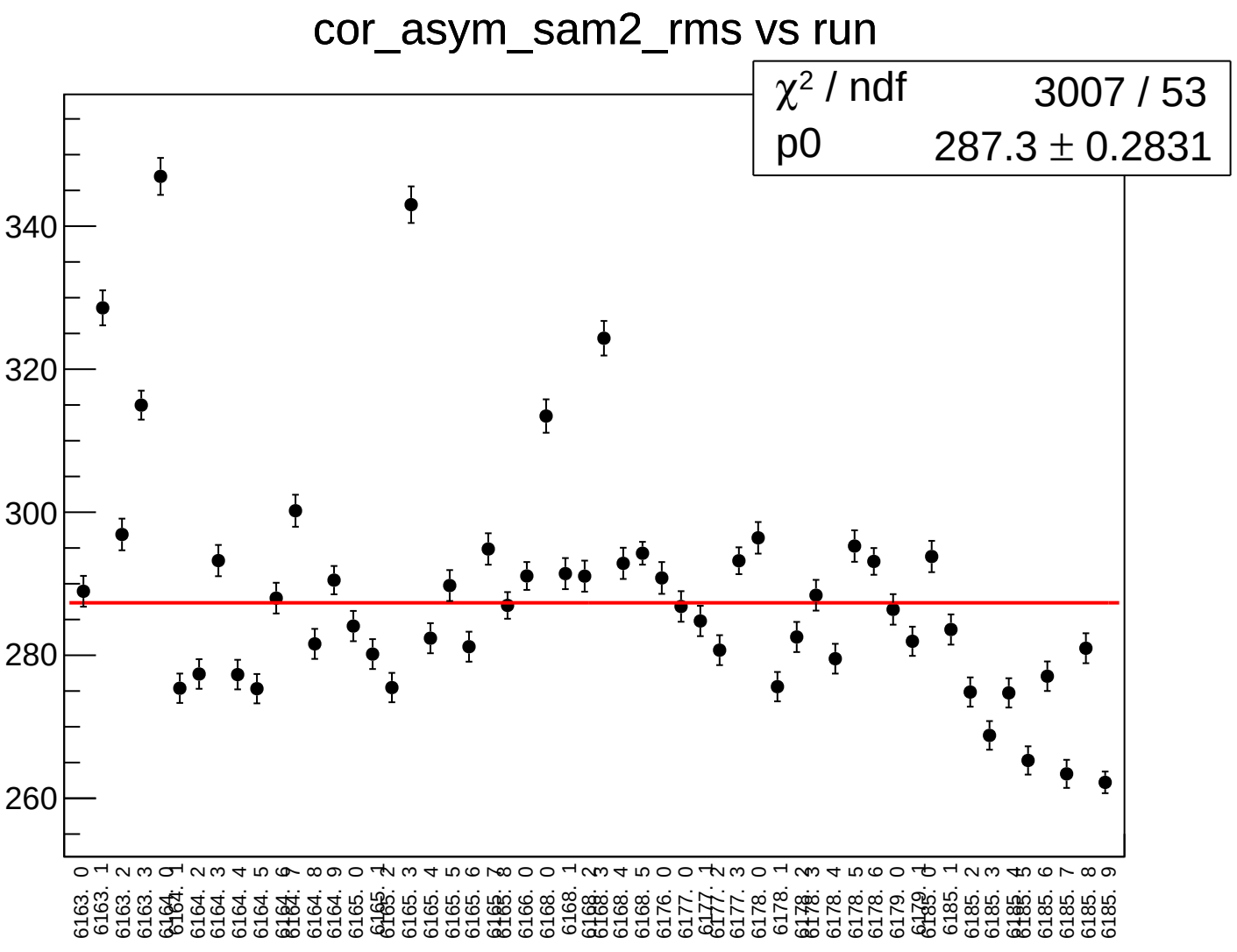

asym_sam2_reg_correction_mean vs run
×10^3
χ² / ndf 50.09 / 53
p0 1.269e+04 ± 6649
200
150
100
50
0
−50
−100
−150
−200
pull
Entries 54
Mean 18.77
Std Dev 25.97
2
1
0
−1
−2

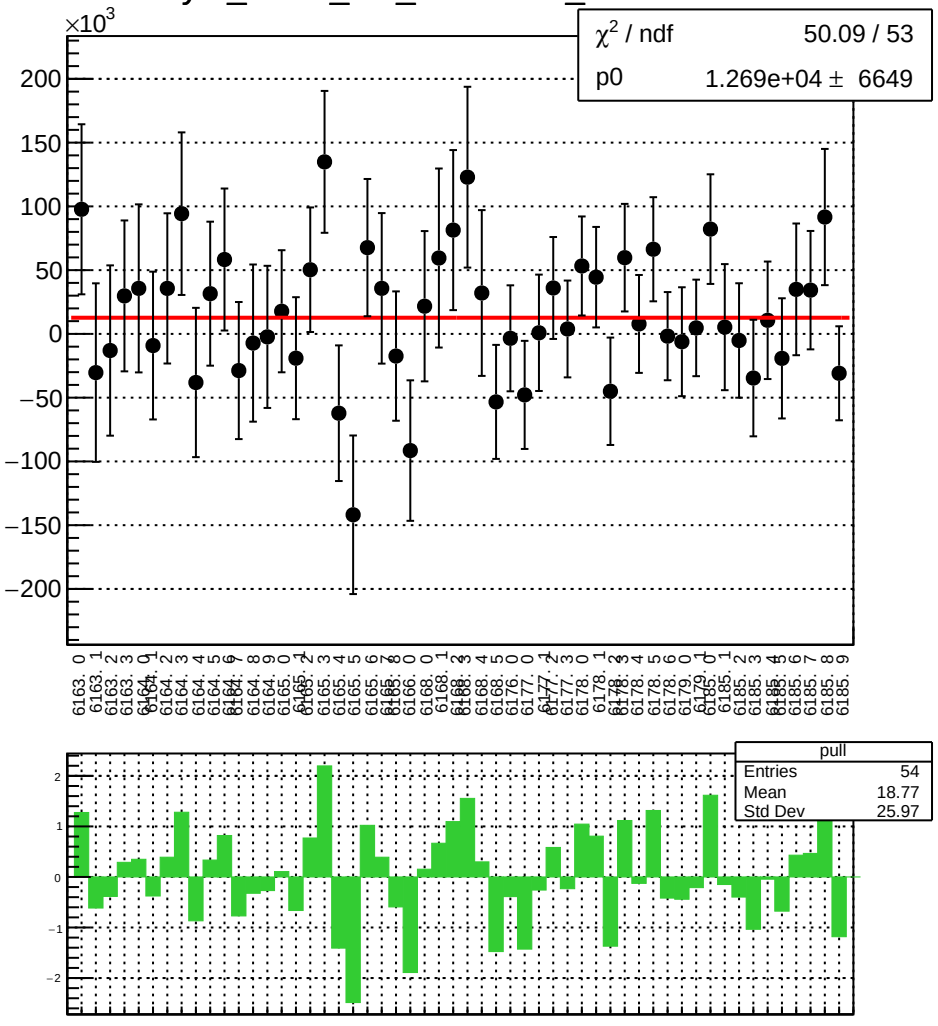

pull1D
Entries 54
Mean 0.02536
Std Dev 0.9628
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

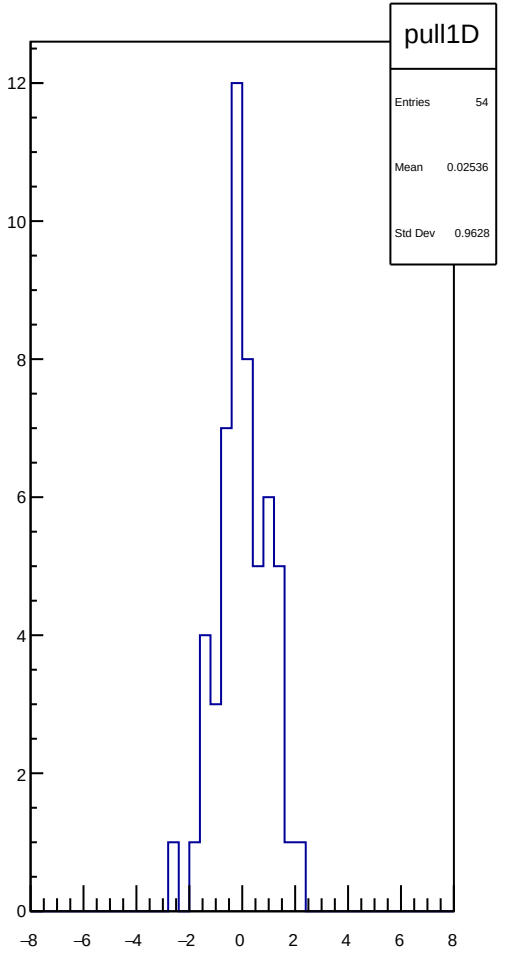

asym_sam2_reg_correction_rms vs run
χ² / ndf 3.403e+04 / 53
p0 4699 ± 4.701
7000
6500
6000
5500
5000
4500
4000
3500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

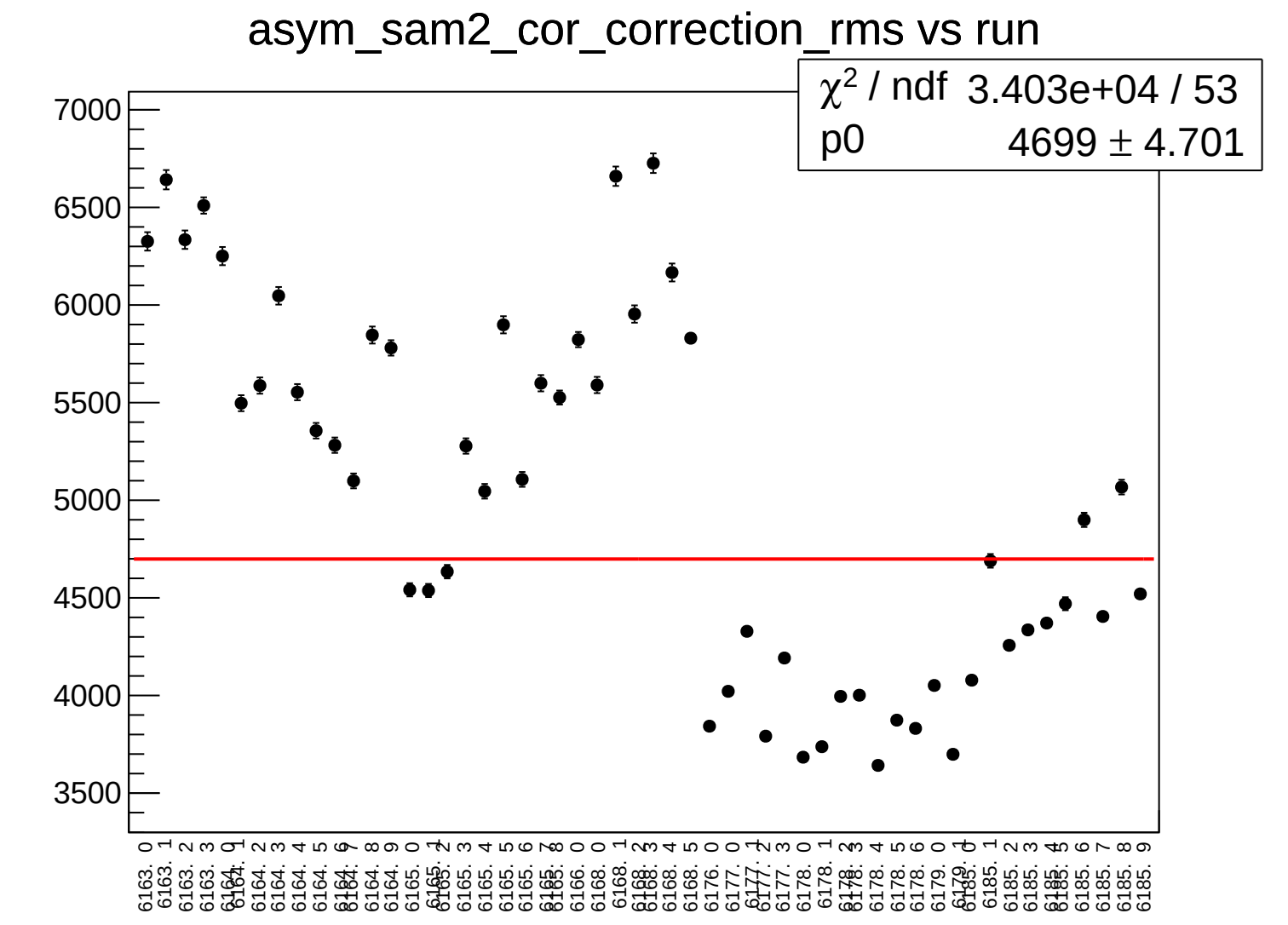

cor_asym_sam2_mean vs run
χ² / ndf 53.47 / 53
p0 39.69 ± 400.4
10000
5000
0
−5000
−10000
pull
Entries 54
Mean 127.1
Std Dev 0
3
2
1
0
−1
−2

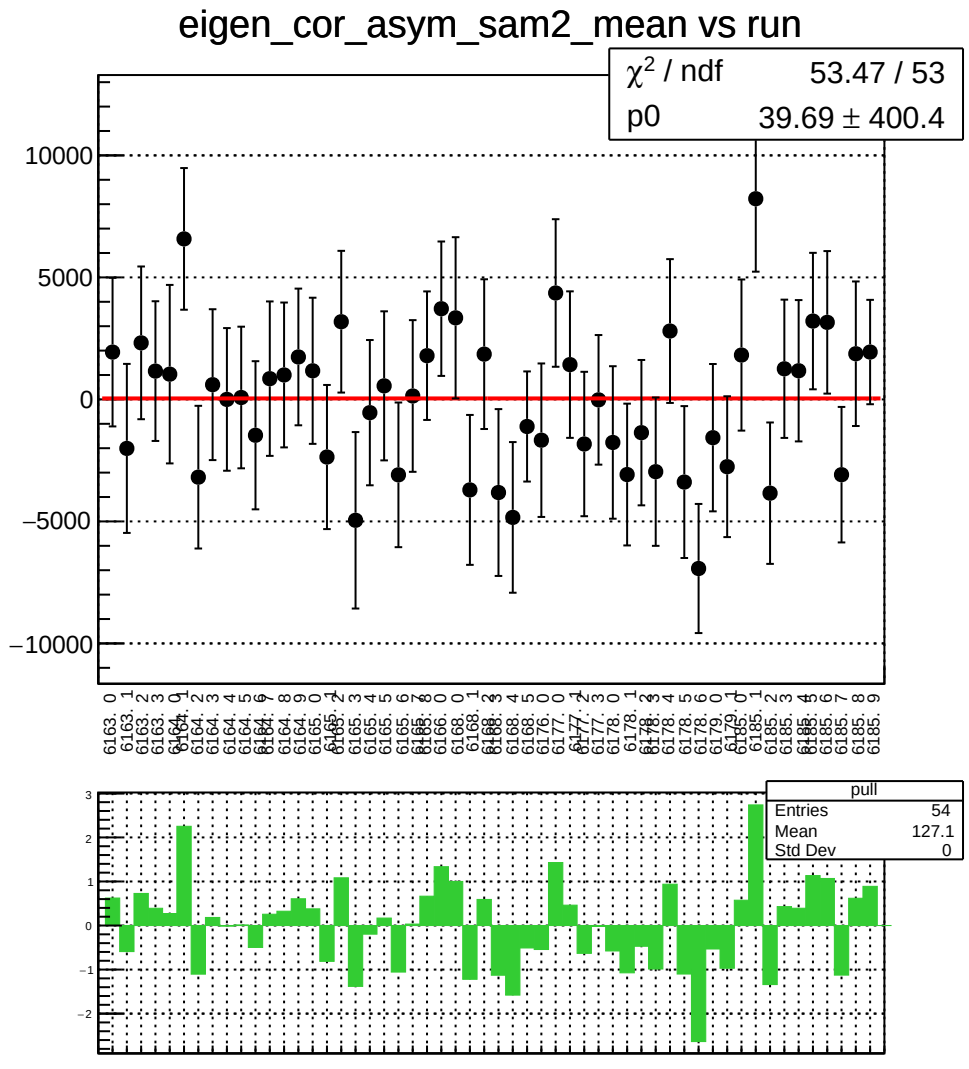

pull1D
Entries 54
Mean −0.009623
Std Dev 0.9951
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

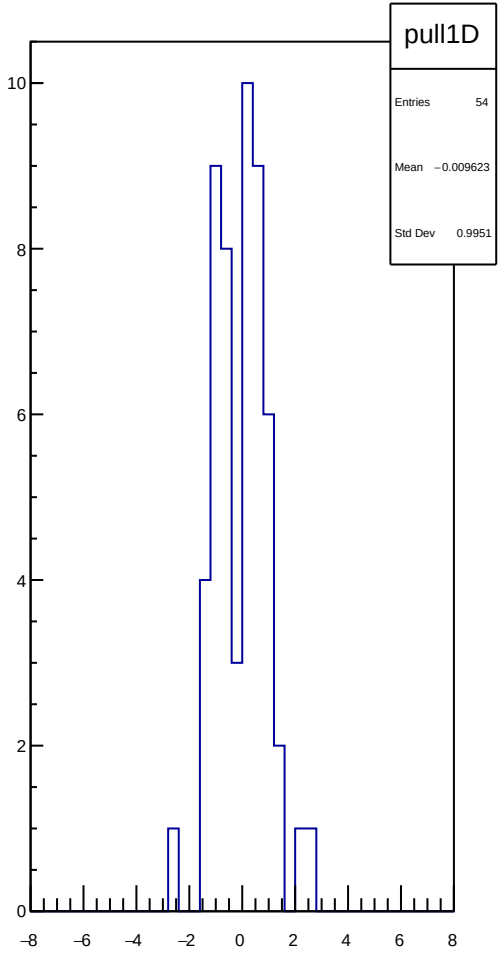

cor_asym_sam2_rms vs run
χ² / ndf 3007 / 53
p0 287.3 ± 0.2831
340
320
300
280
260
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

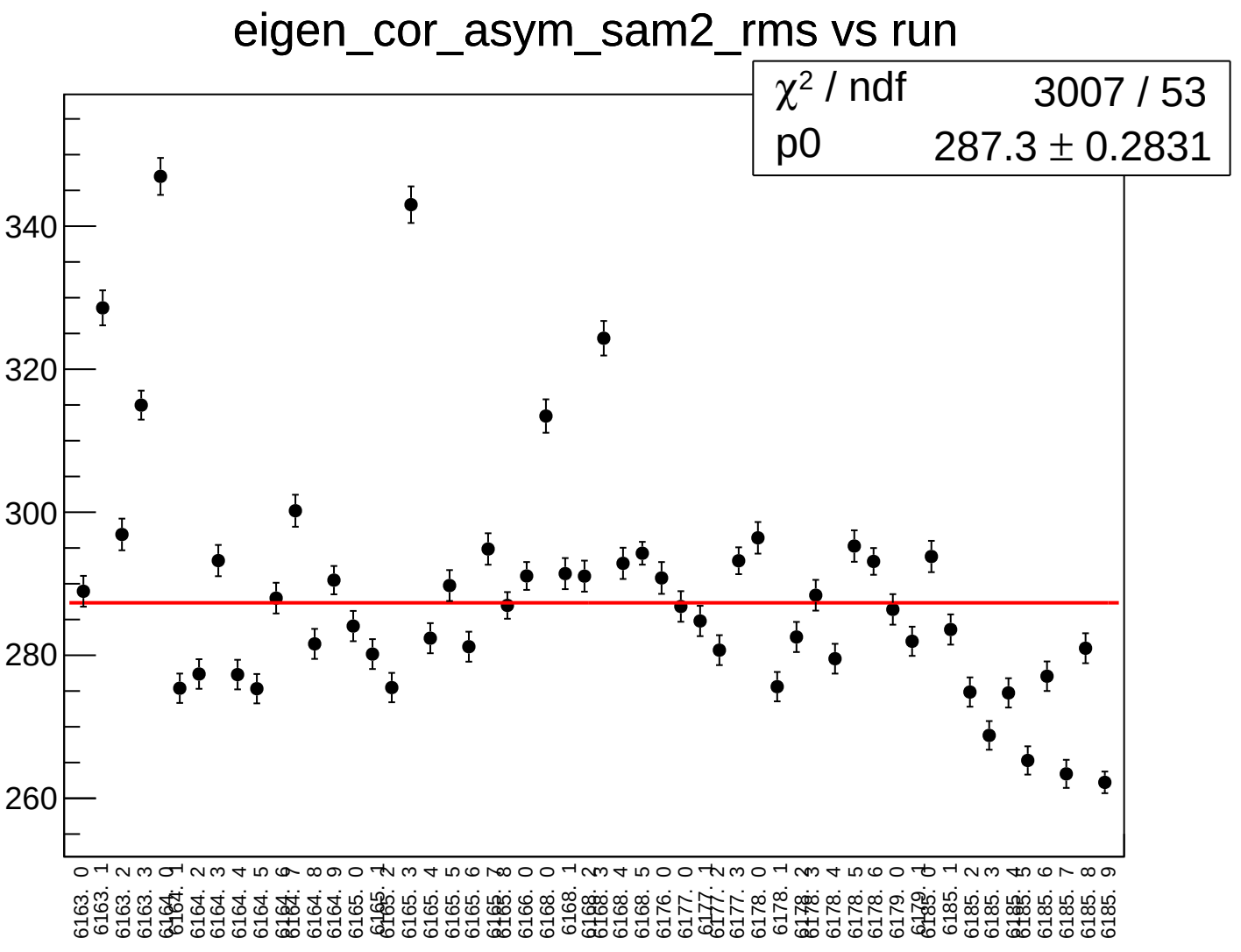

asym_sam2_cor_correction_mean vs run
×10^3
χ² / ndf 50.09 / 53
p0 1.269e+04 ± 6649
pull
Entries 54
Mean 18.77
Std Dev 25.97

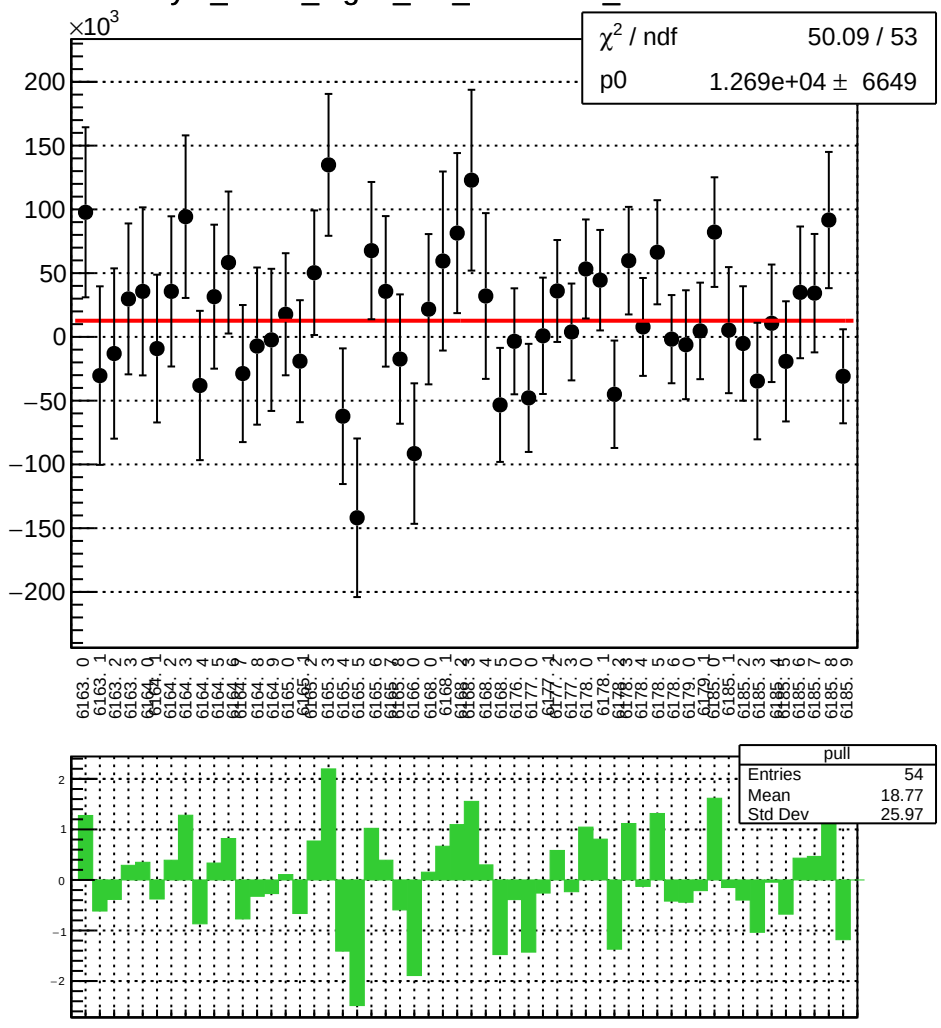

pull1D
Entries 54
Mean 0.02536
Std Dev 0.9628

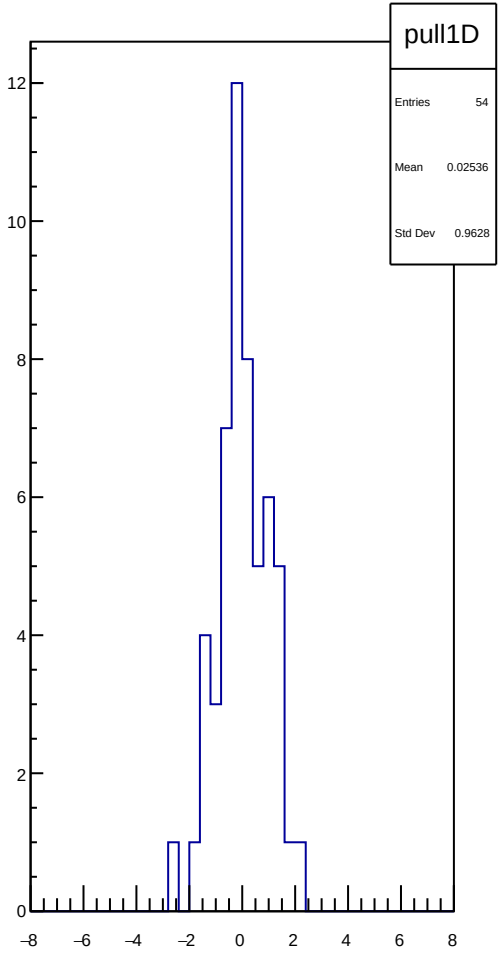

asym_sam2_cor_correction_rms vs run
χ² / ndf 3.403e+04 / 53
p0 4699 ± 4.701
7000
6500
6000
5500
5000
4500
4000
3500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

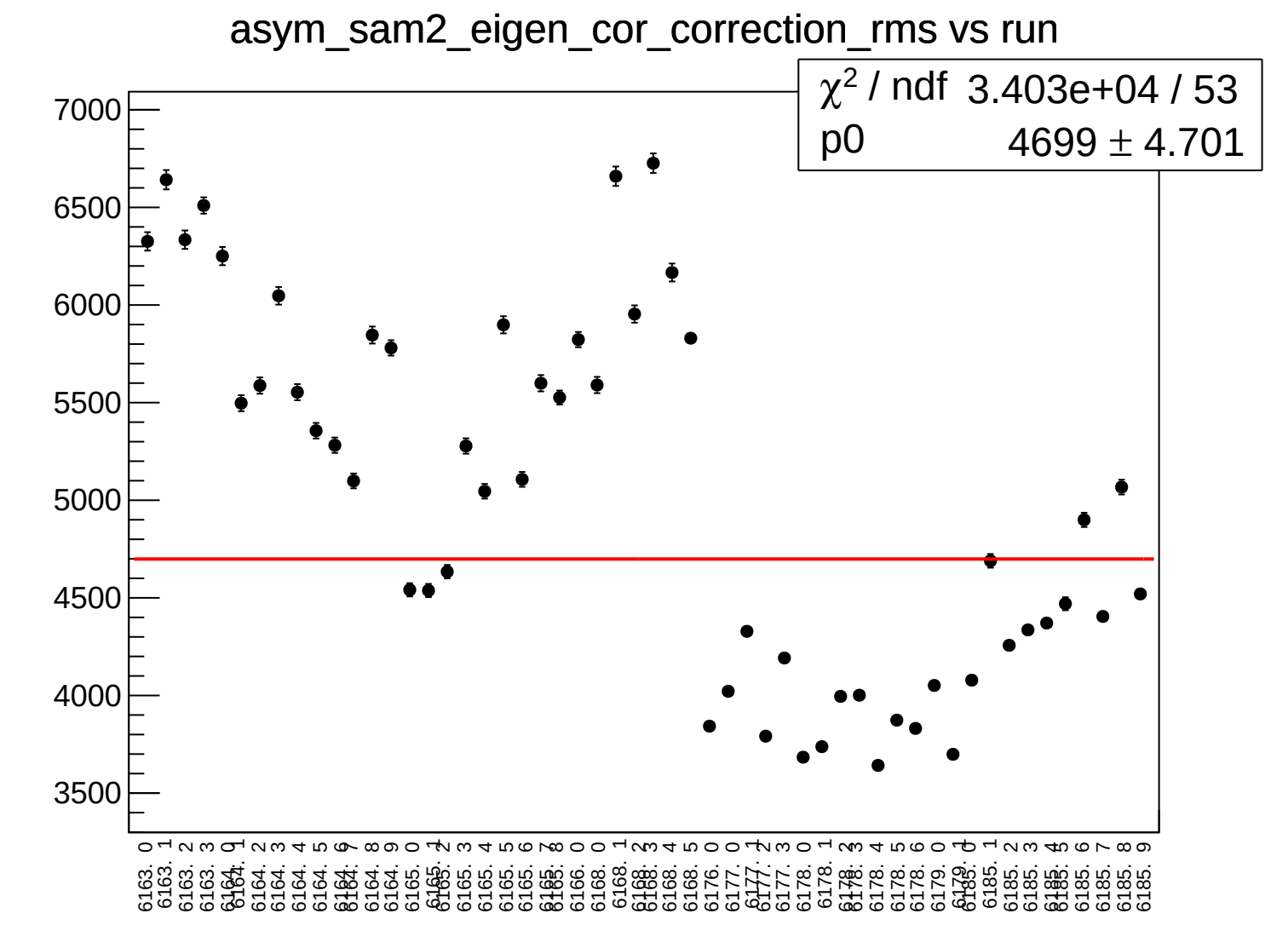

eigen_cor_asym_sam2_mean vs run
χ² / ndf 53.47 / 53
p0 39.69 ± 400.4
10000
5000
0
−5000
−10000
pull
Entries 54
Mean 127.1
Std Dev 0
3
2
1
0
−1
−2

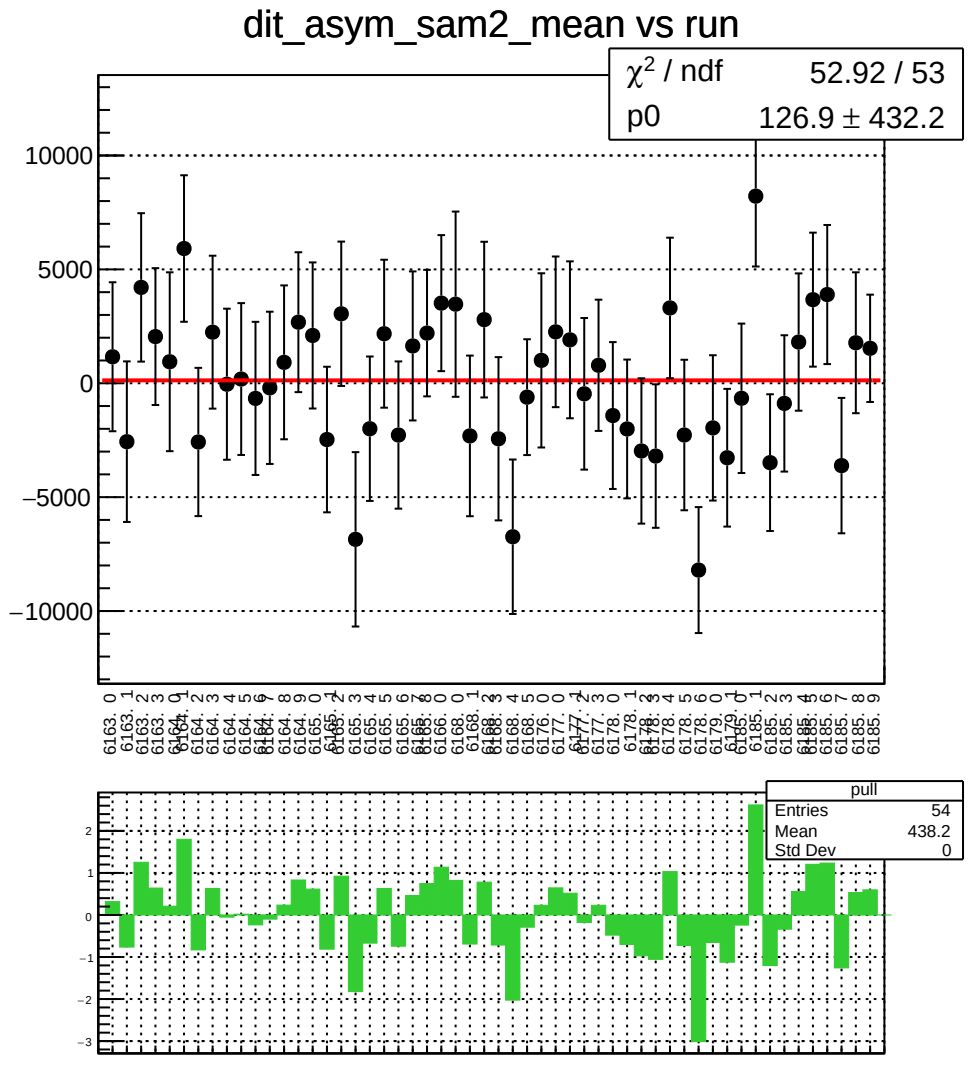

pull1D
Entries 54
Mean −0.009623
Std Dev 0.9951
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

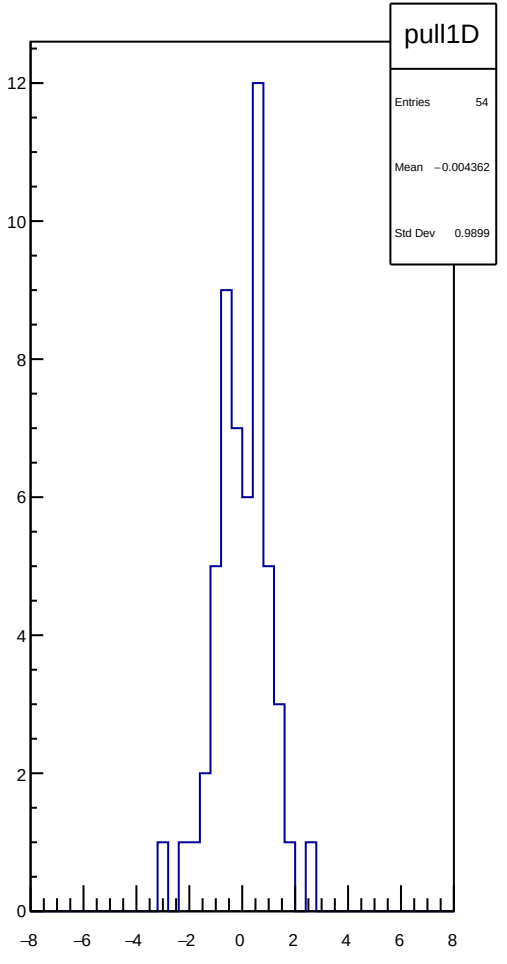

eigen_cor_asym_sam2_rms vs run
χ² / ndf 3007 / 53
p0 287.3 ± 0.2831
340
320
300
280
260
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

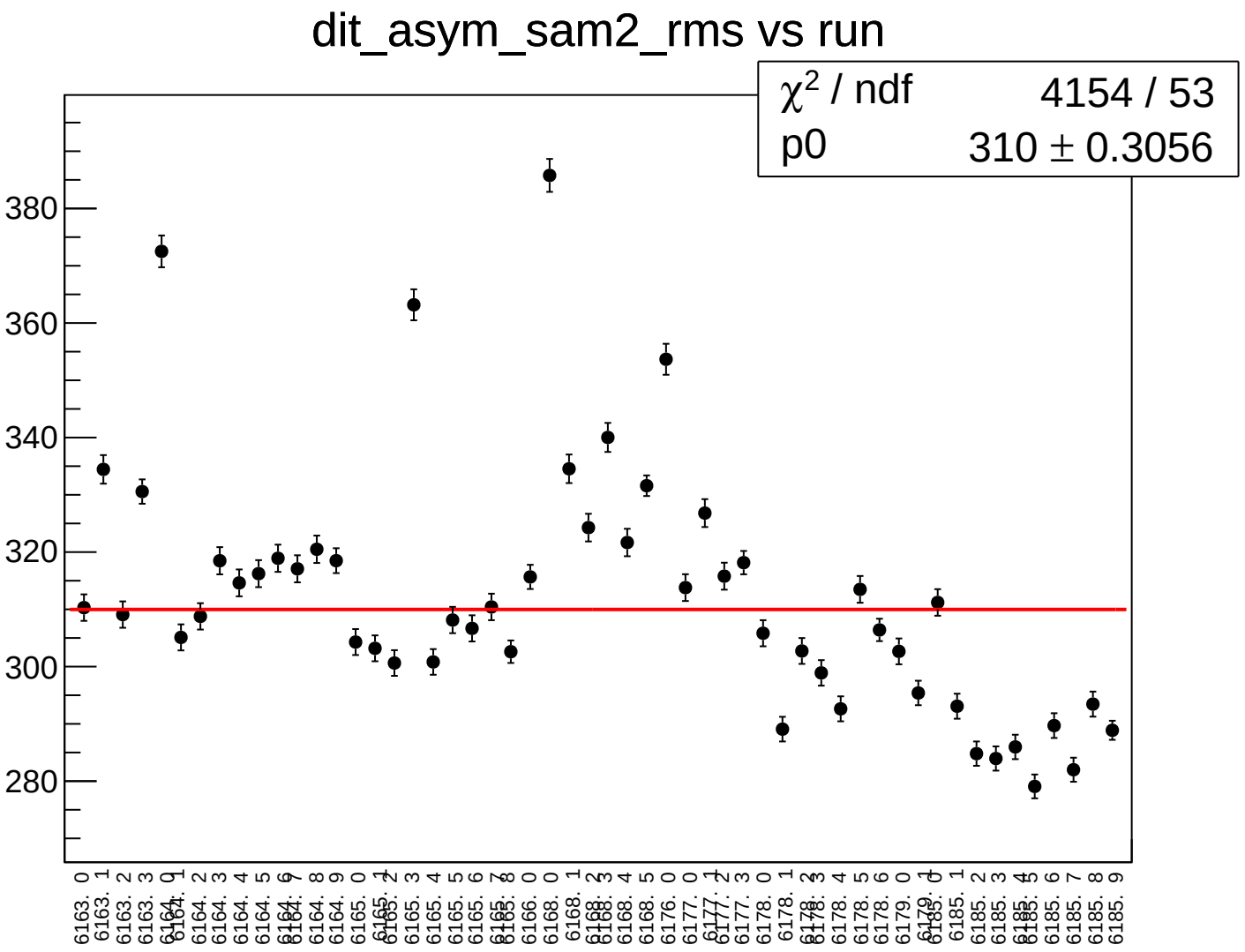

asym_sam2_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 50.09 / 53
p0 1.269e+04 ± 6649
pull
Entries 54
Mean 18.77
Std Dev 25.97

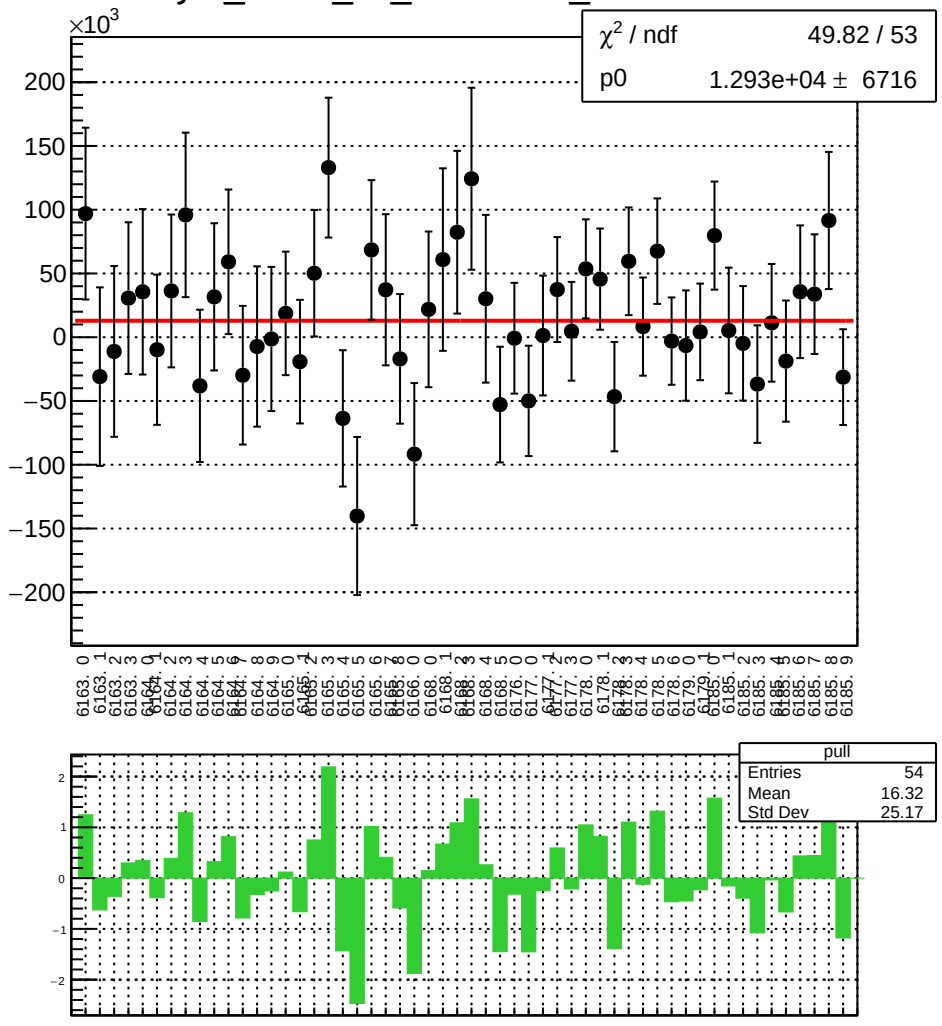

pull1D
Entries 54
Mean 0.02536
Std Dev 0.9628

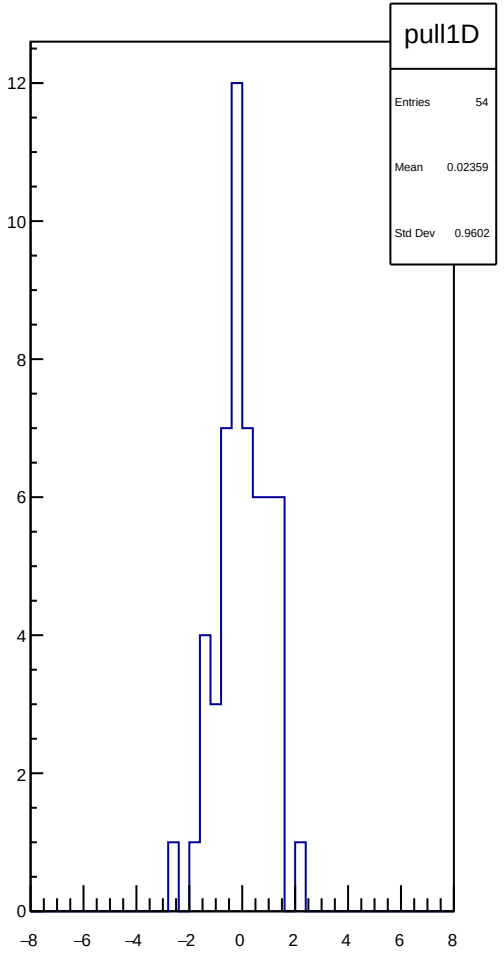

asym_sam2_eigen_cor_correction_rms vs run
χ² / ndf 3.403e+04 / 53
p0 4699 ± 4.701
7000
6500
6000
5500
5000
4500
4000
3500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

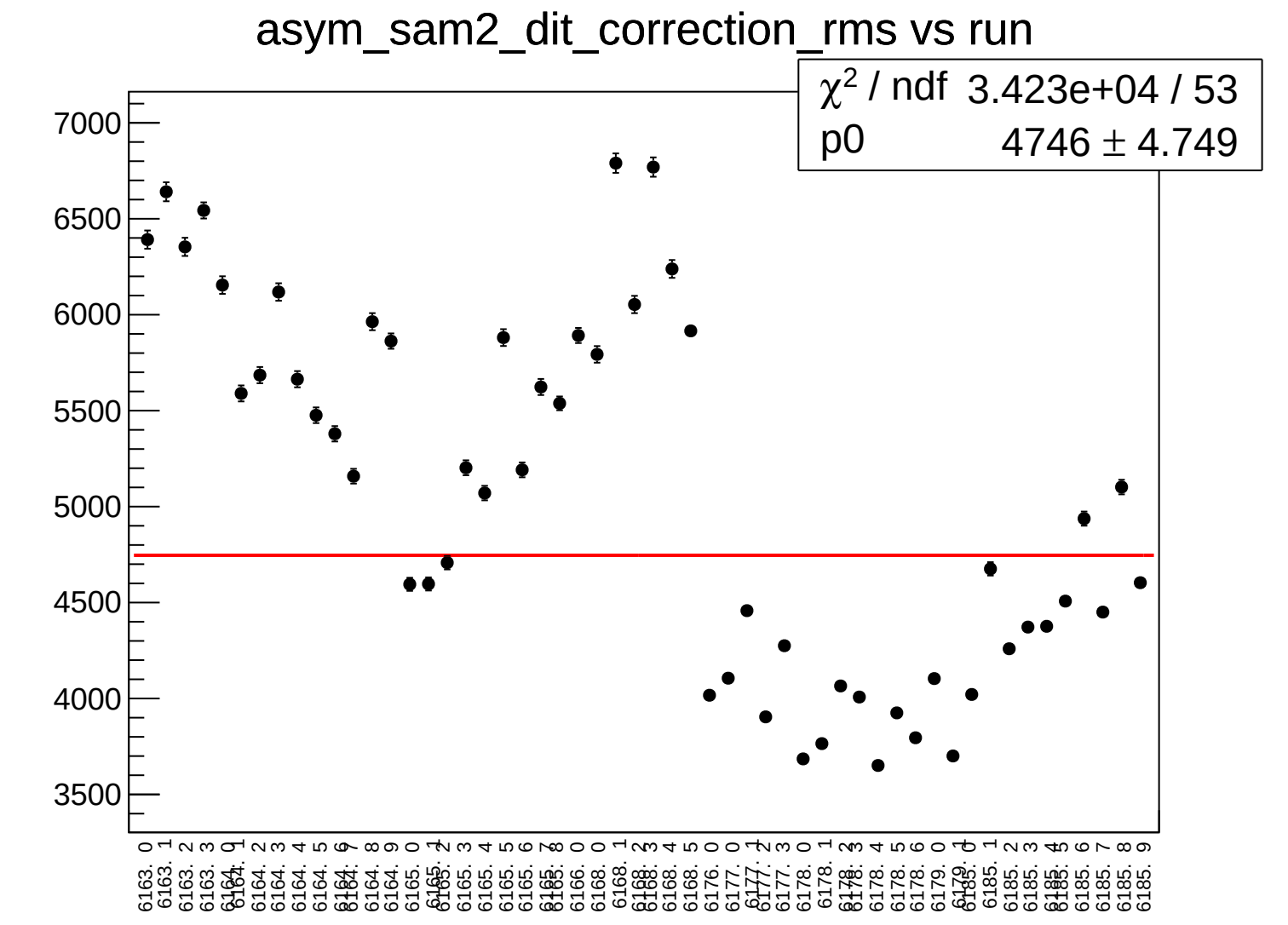

dit_asym_sam2_mean vs run
χ² / ndf 52.92 / 53
p0 126.9 ± 432.2
10000
5000
0
−5000
−10000
pull
Entries 54
Mean 438.2
Std Dev 0
2
1
0
−1
−2
−3

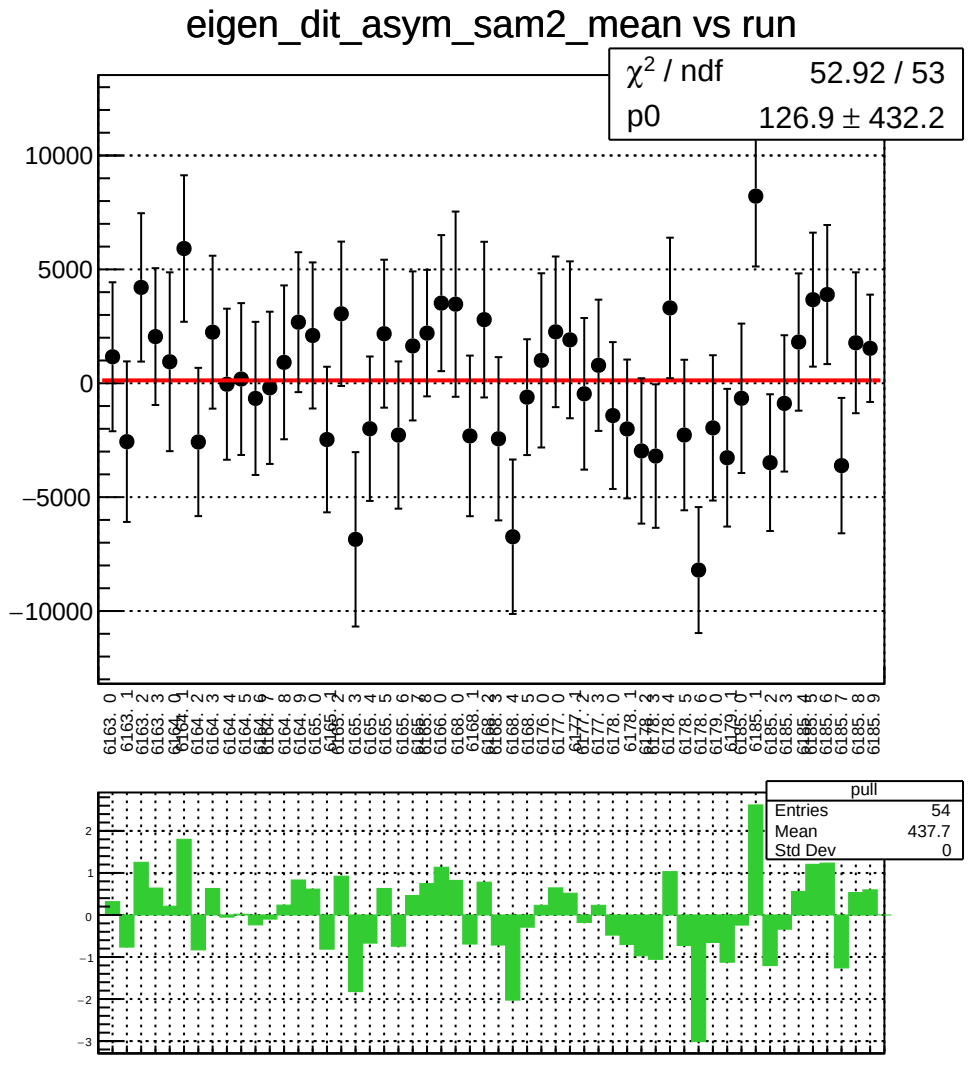

pull1D
Entries 54
Mean −0.004362
Std Dev 0.9899
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

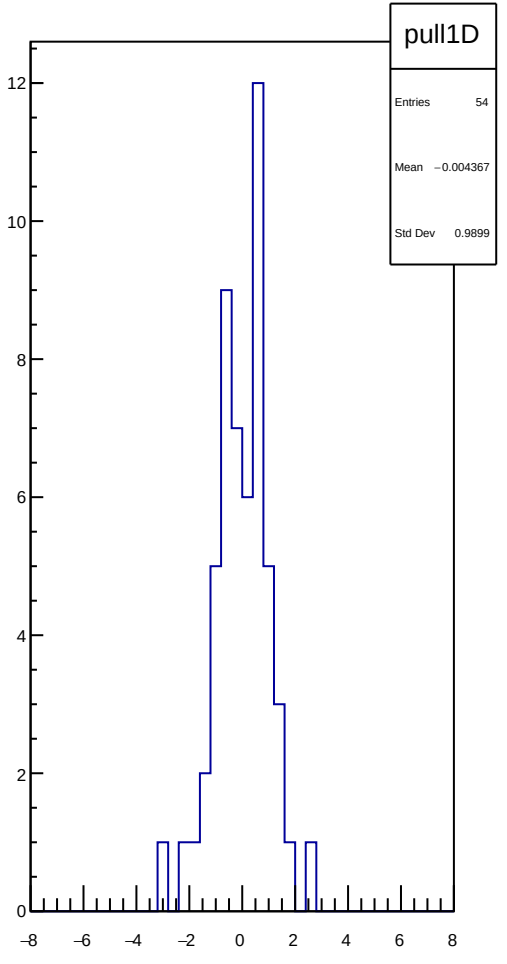

dit_asym_sam2_rms vs run
χ² / ndf 4154 / 53
p0 310 ± 0.3056
380
360
340
320
300
280
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

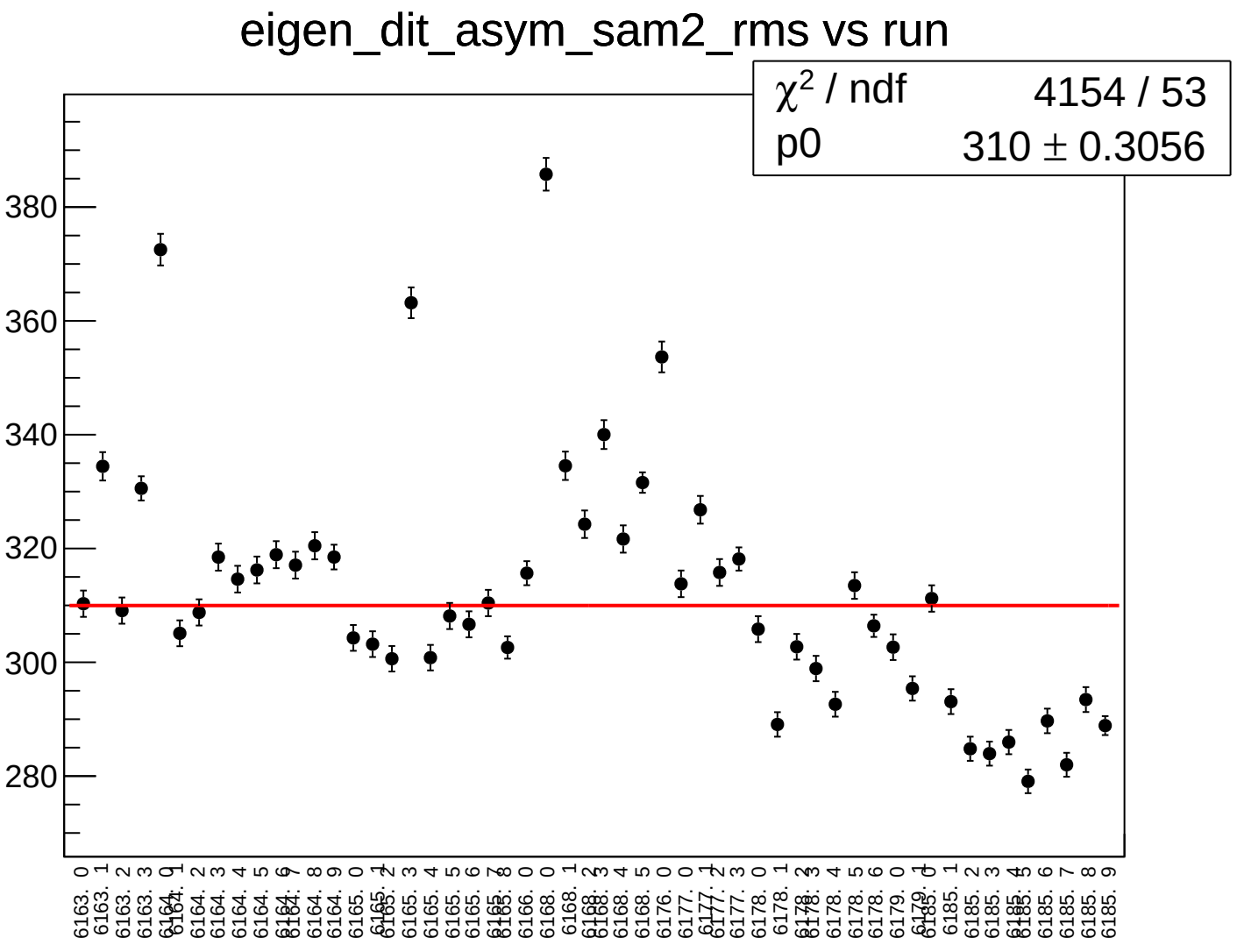

asym_sam2_dit_correction_mean vs run
χ² / ndf 49.82 / 53
p0 1.293e+04 ± 6716
pull
Entries 54
Mean 16.32
Std Dev 25.17

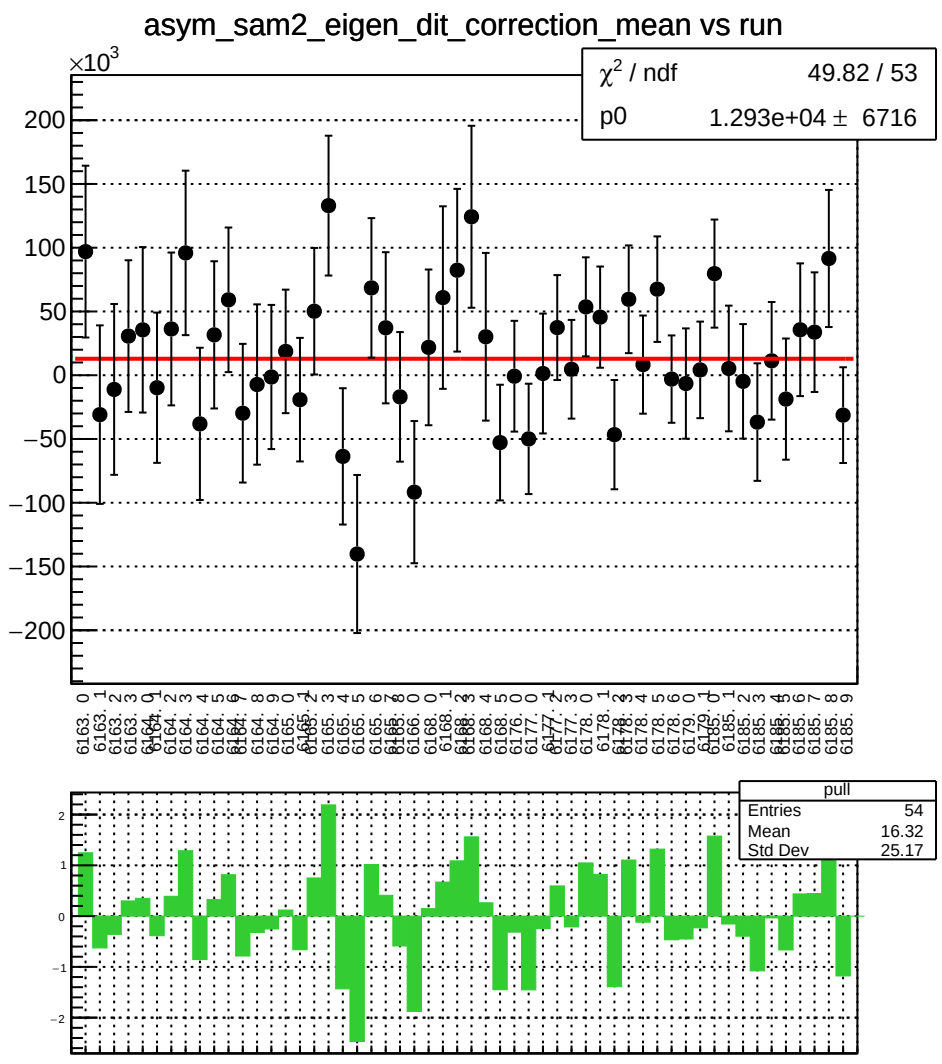

pull1D
Entries 54
Mean 0.02359
Std Dev 0.9602

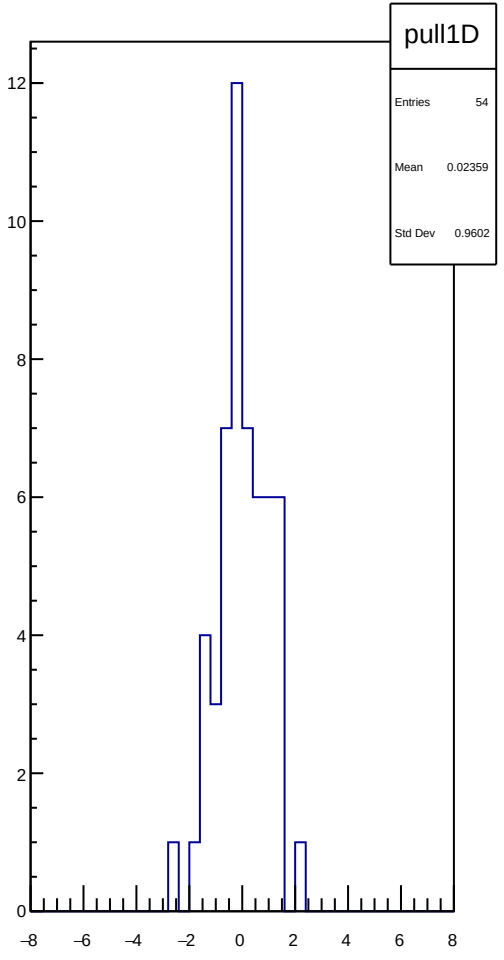

asym_sam2_dit_correction_rms vs run
χ² / ndf 3.423e+04 / 53
p0 4746 ± 4.749
7000
6500
6000
5500
5000
4500
4000
3500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

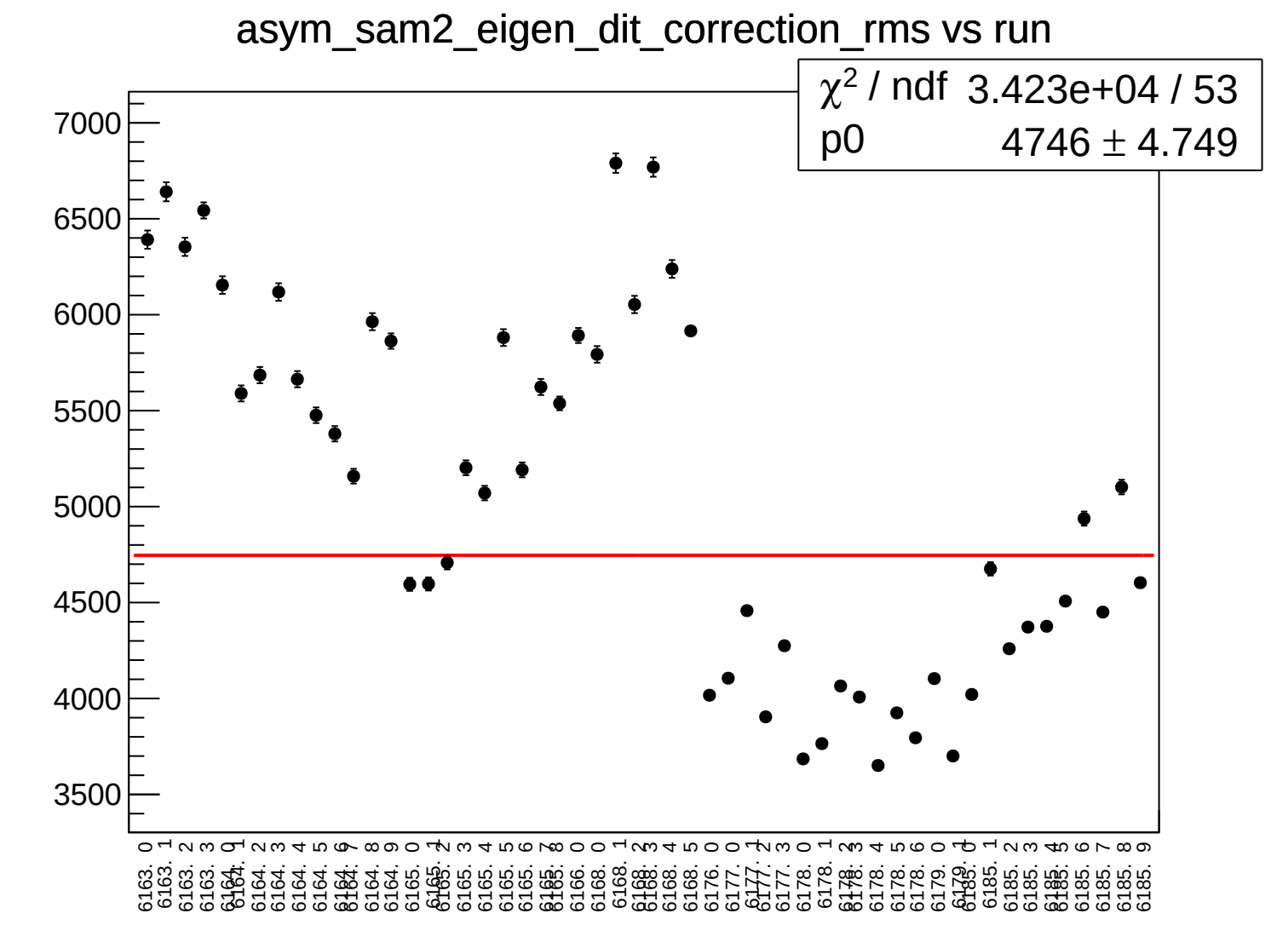

eigen_dit_asym_sam2_mean vs run
χ² / ndf 52.92 / 53
p0 126.9 ± 432.2
10000
5000
0
−5000
−10000
pull
Entries 54
Mean 437.7
Std Dev 0
2
1
0
−1
−2
−3

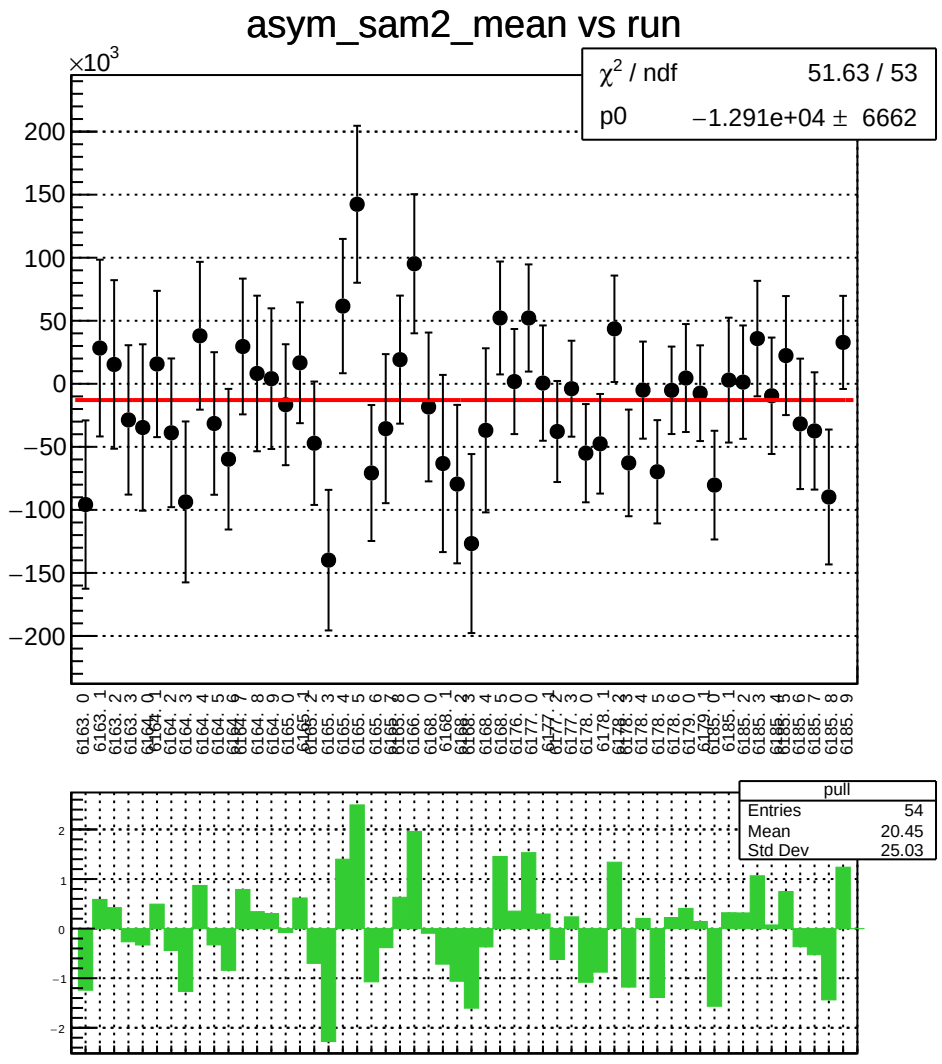

pull1D
Entries 54
Mean −0.004367
Std Dev 0.9899
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

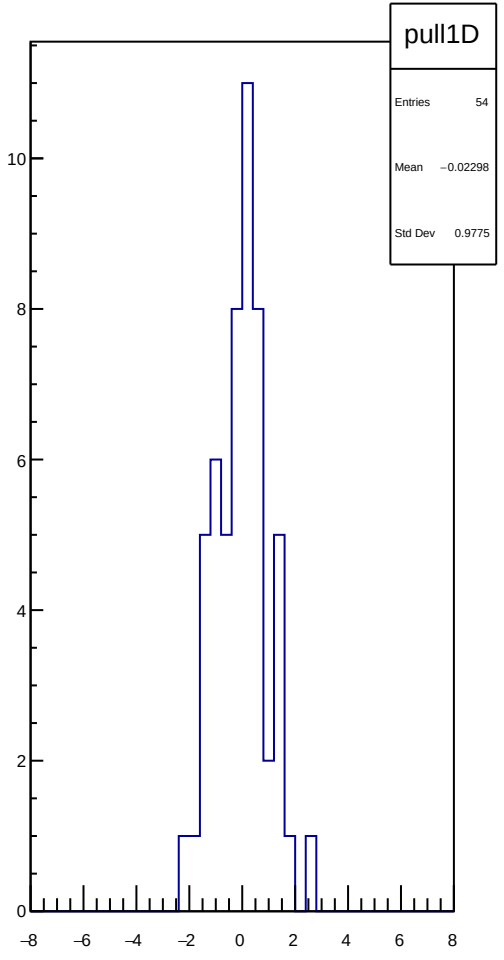

eigen_dit_asym_sam2_rms vs run
χ² / ndf 4154 / 53
p0 310 ± 0.3056
380
360
340
320
300
280
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

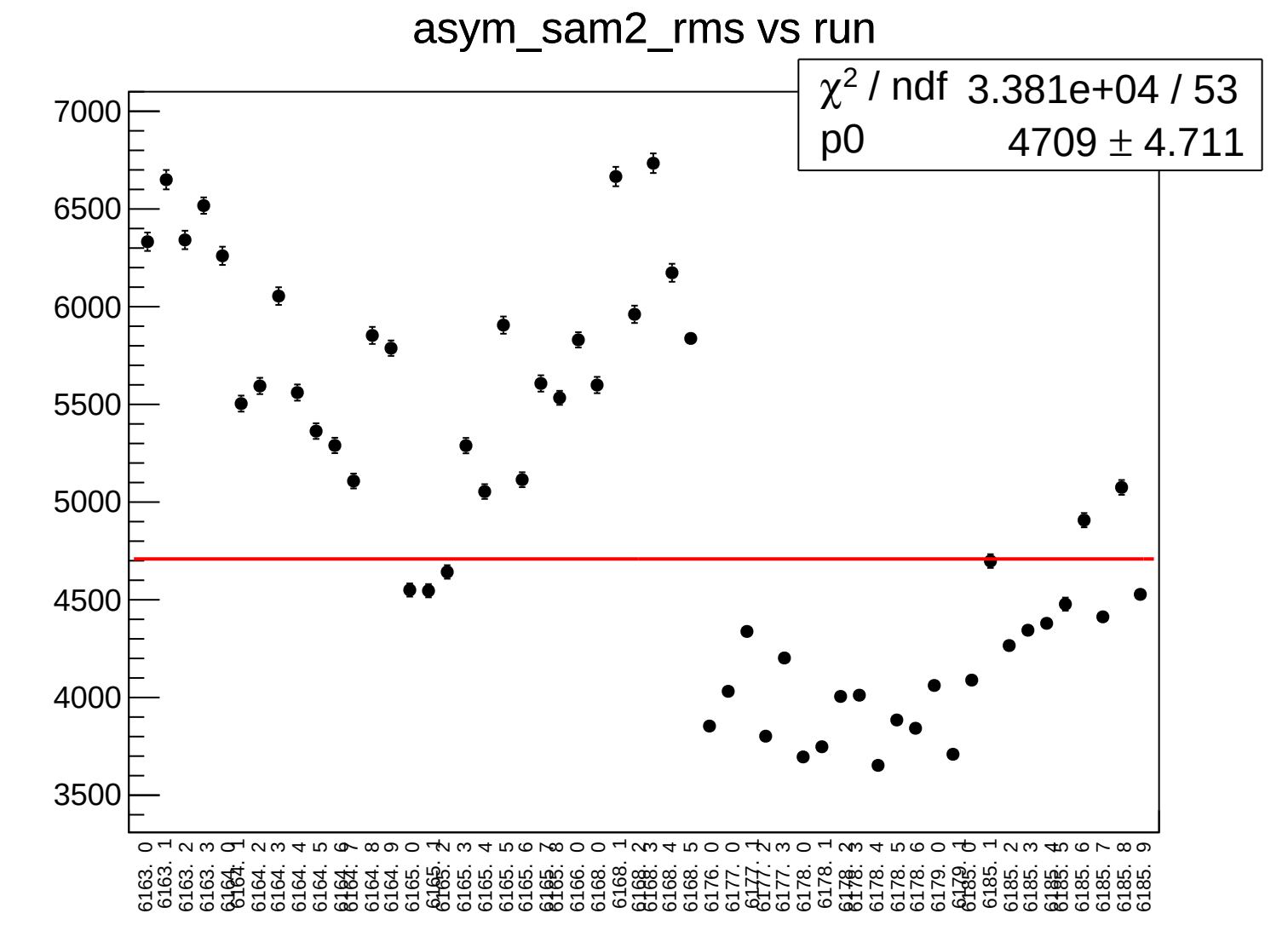

asym_sam2_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 49.82 / 53
p0 1.293e+04 ± 6716
pull
Entries 54
Mean 16.32
Std Dev 25.17

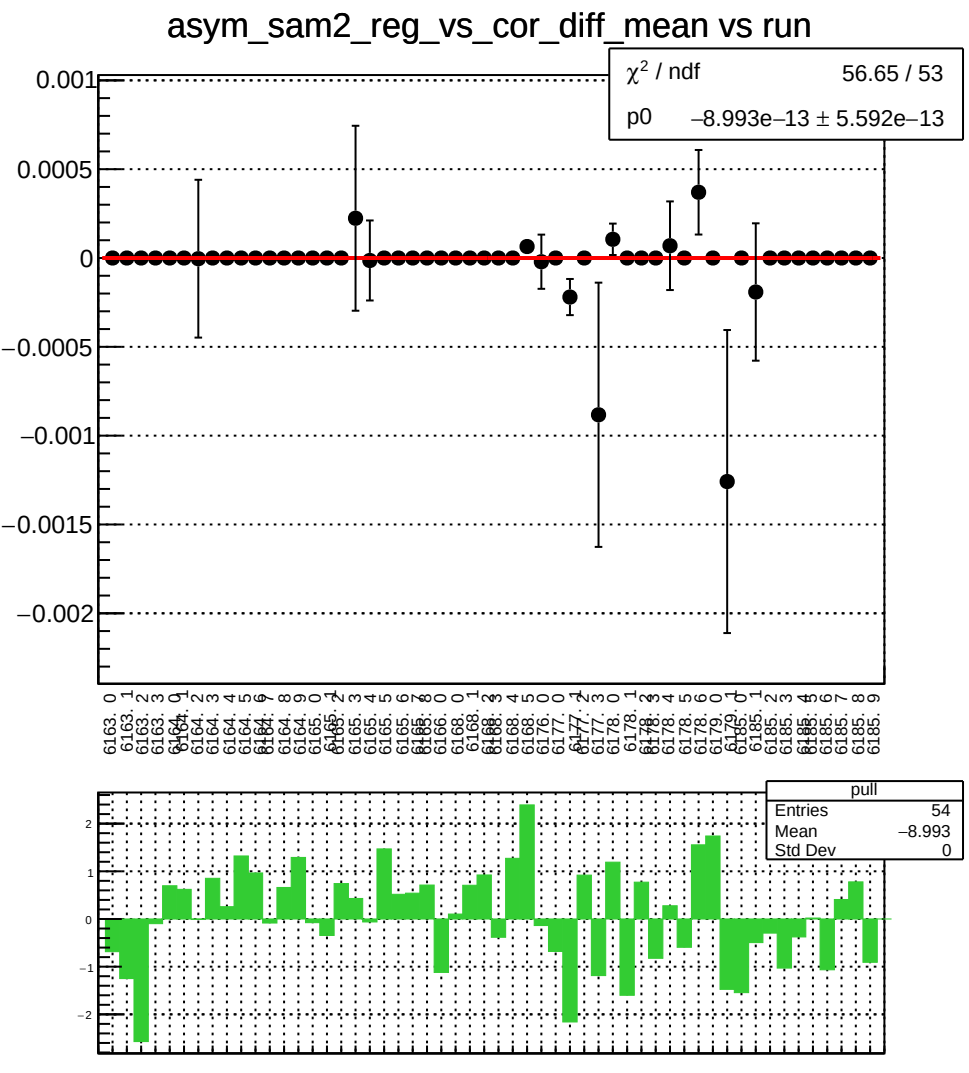

pull1D
Entries 54
Mean 0.02359
Std Dev 0.9602

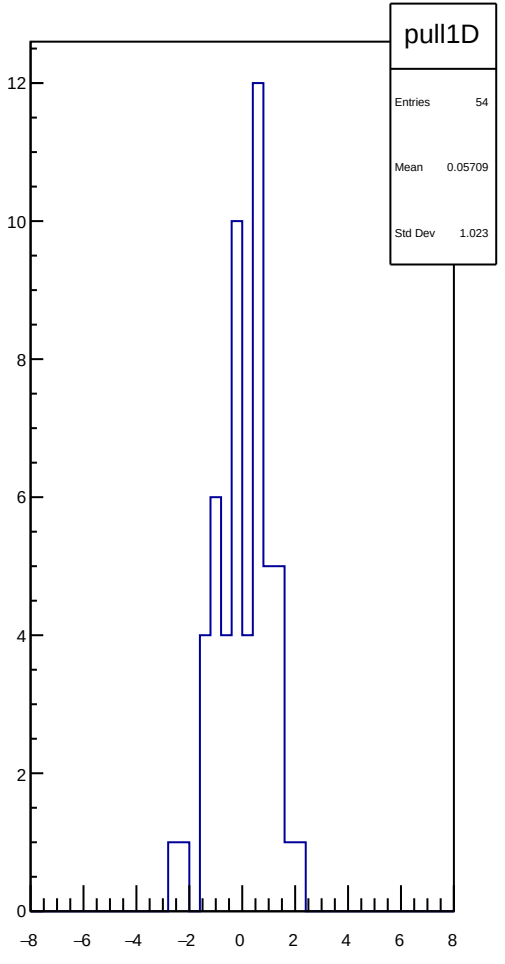

asym_sam2_eigen_dit_correction_rms vs run
χ² / ndf 3.423e+04 / 53
p0 4746 ± 4.749
7000
6500
6000
5500
5000
4500
4000
3500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

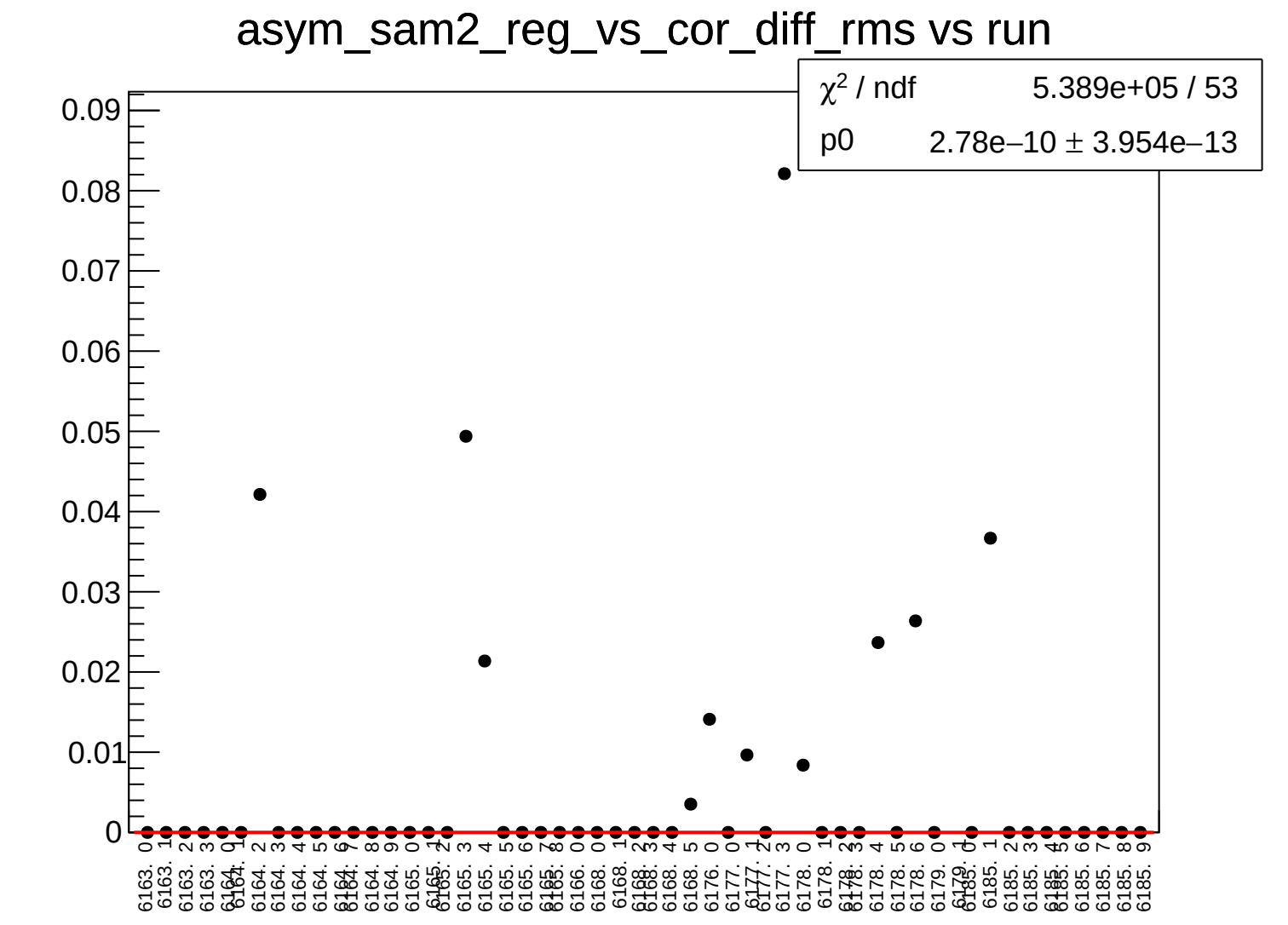

asym_sam2_mean vs run
×10^3
χ² / ndf 51.63 / 53
p0 −1.291e+04 ± 6662
200
150
100
50
0
−50
−100
−150
−200
pull
Entries 54
Mean 20.45
Std Dev 25.03
2
1
0
−1
−2

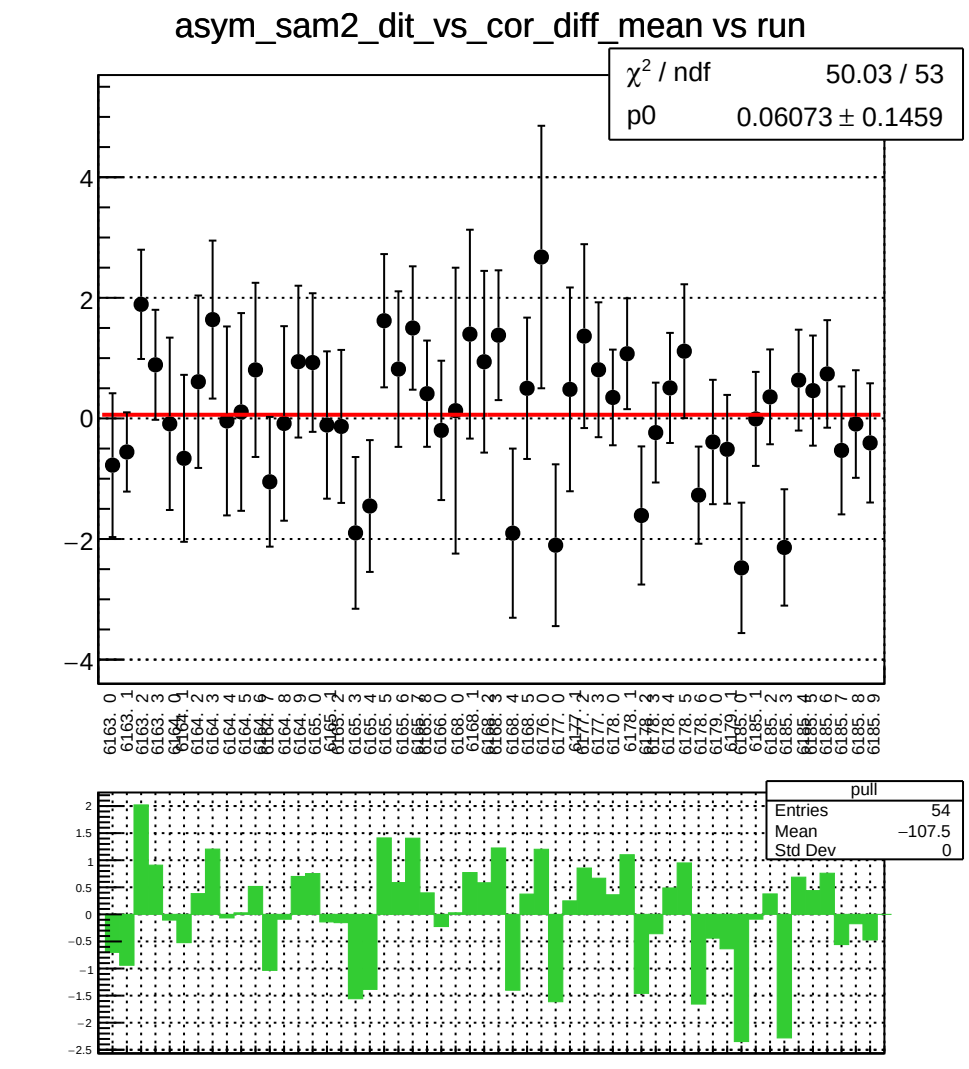

pull1D
Entries 54
Mean −0.02298
Std Dev 0.9775
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

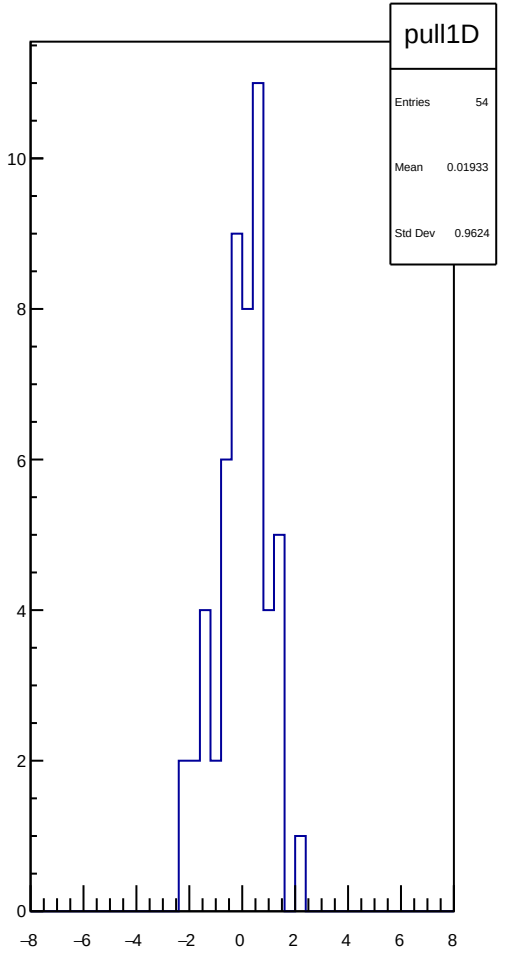

asym_sam2_rms vs run
χ² / ndf 3.381e+04 / 53
p0 4709 ± 4.711
7000
6500
6000
5500
5000
4500
4000
3500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

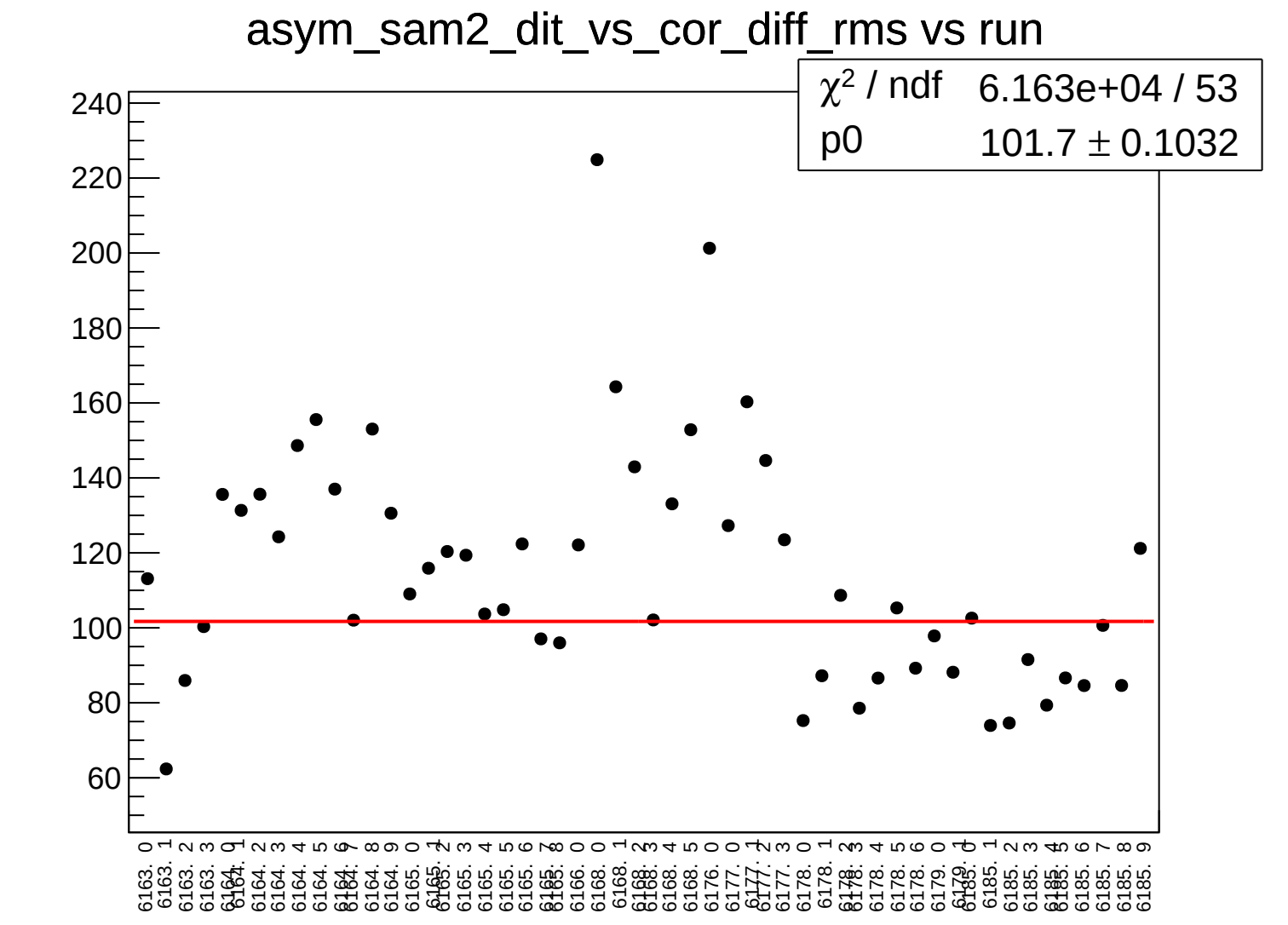

asym_sam2_reg_vs_cor_diff_mean vs run
χ² / ndf 56.65 / 53
p0 −8.993e−13 ± 5.592e−13
pull
Entries 54
Mean −8.993
Std Dev 0

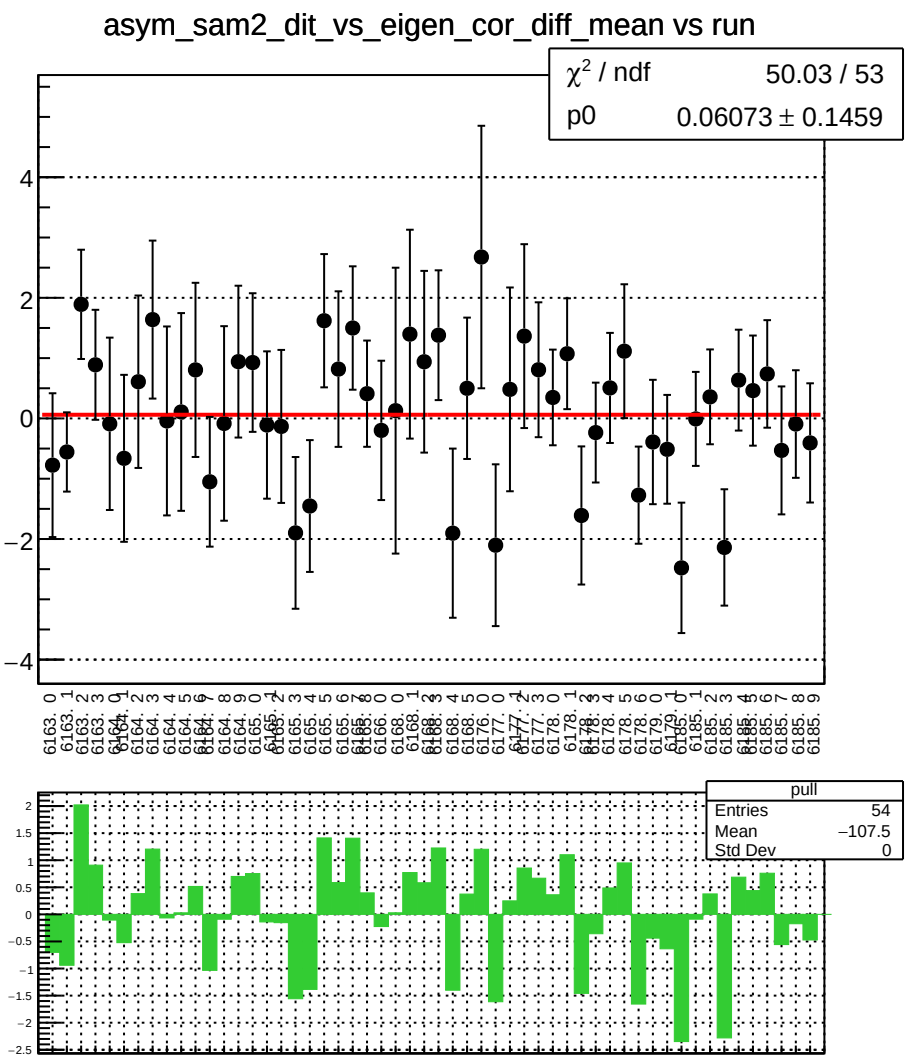

pull1D
Entries 54
Mean 0.05709
Std Dev 1.023

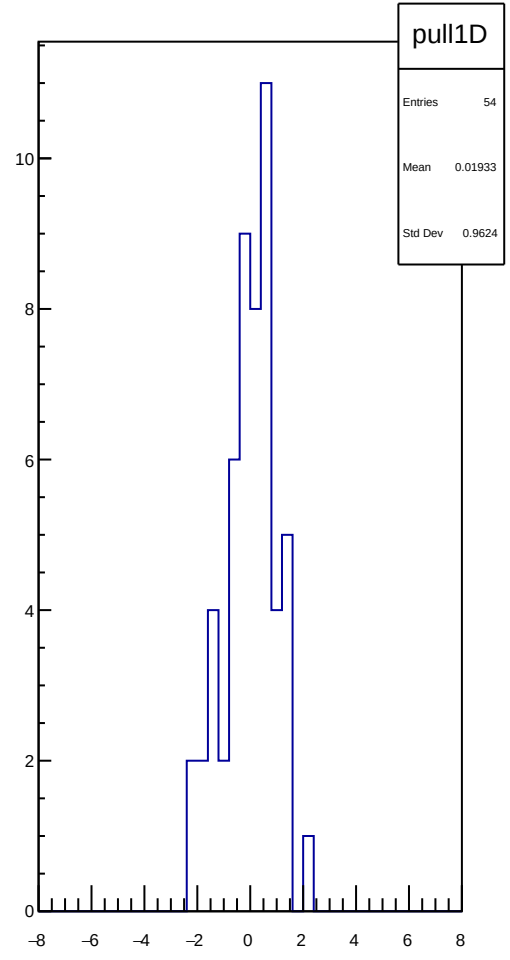

asym_sam2_reg_vs_cor_diff_rms vs run
χ² / ndf 5.389e+05 / 53
p0 2.78e−10 ± 3.954e−13
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 2
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

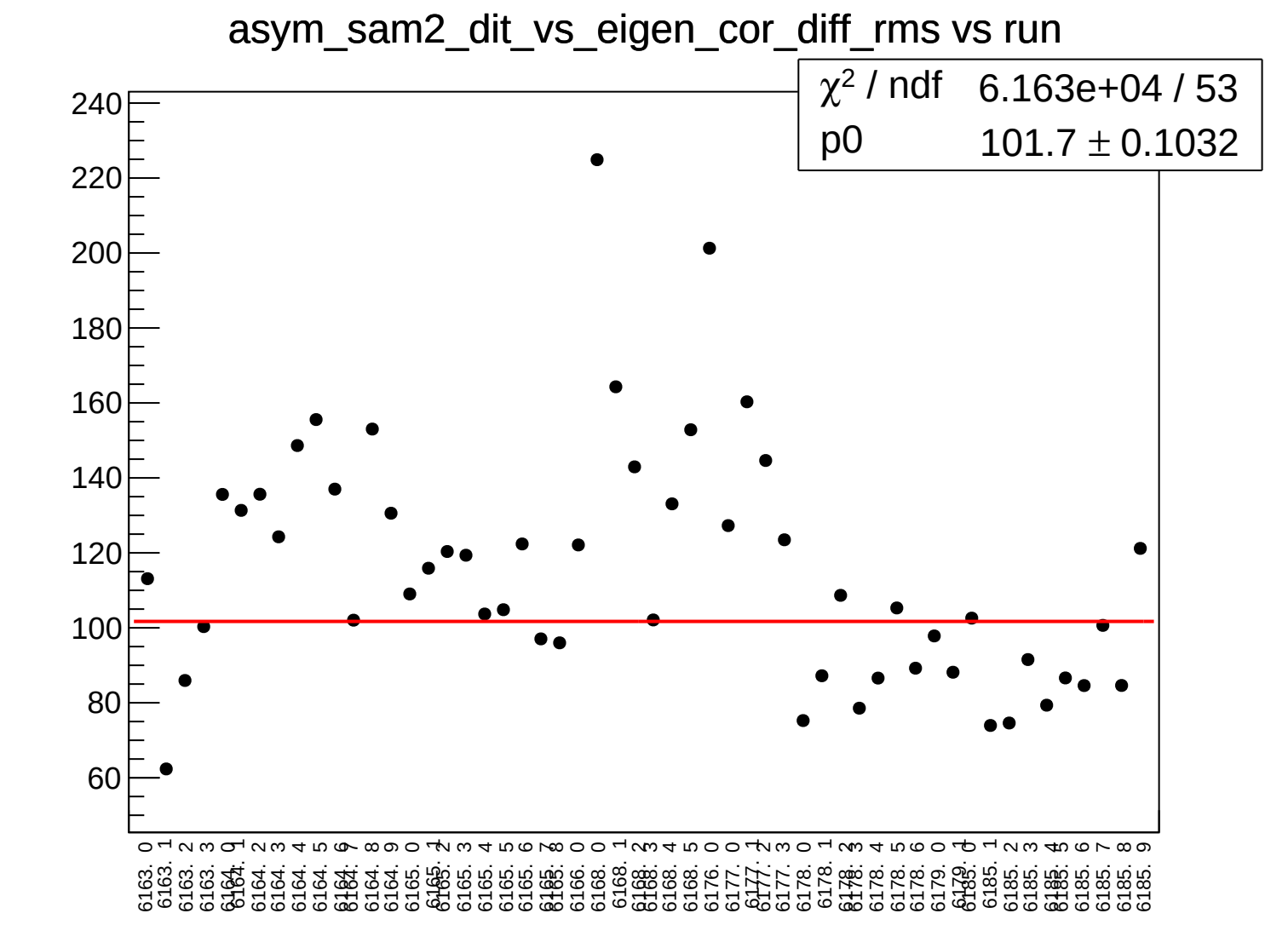

asym_sam2_dit_vs_cor_diff_mean vs run
χ² / ndf 50.03 / 53
p0 0.06073 ± 0.1459
pull
Entries 54
Mean −107.5
Std Dev 0

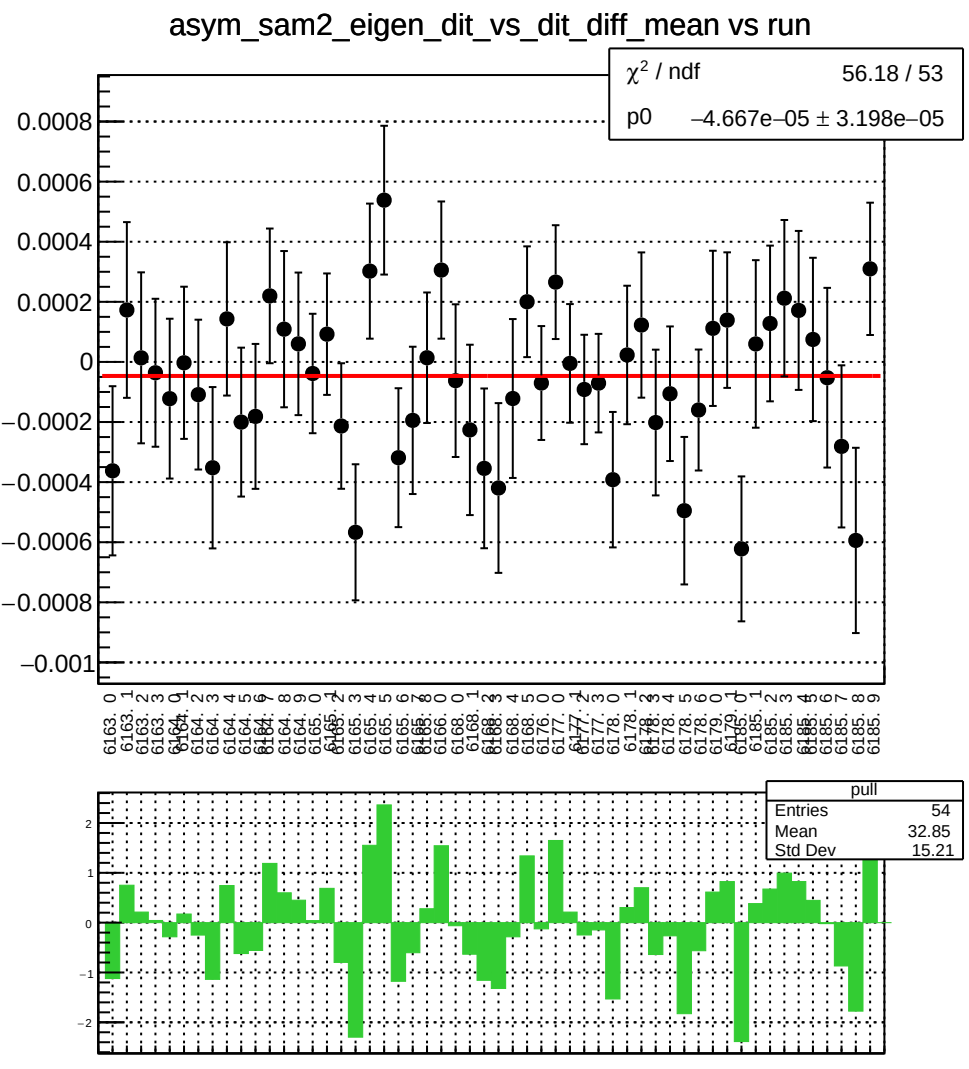

pull1D
Entries 54
Mean 0.01933
Std Dev 0.9624

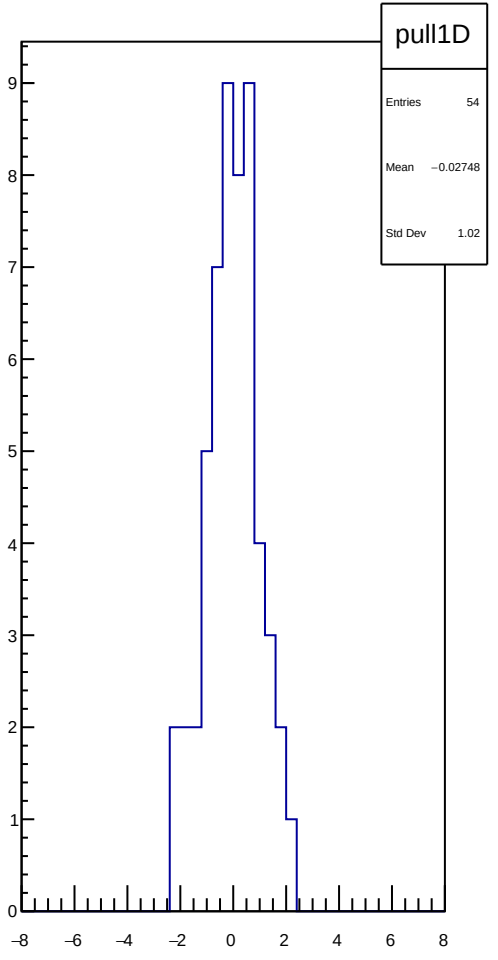

asym_sam2_dit_vs_cor_diff_rms vs run
χ² / ndf 6.163e+04 / 53
p0 101.7 ± 0.1032
240
220
200
180
160
140
120
100
80
60
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

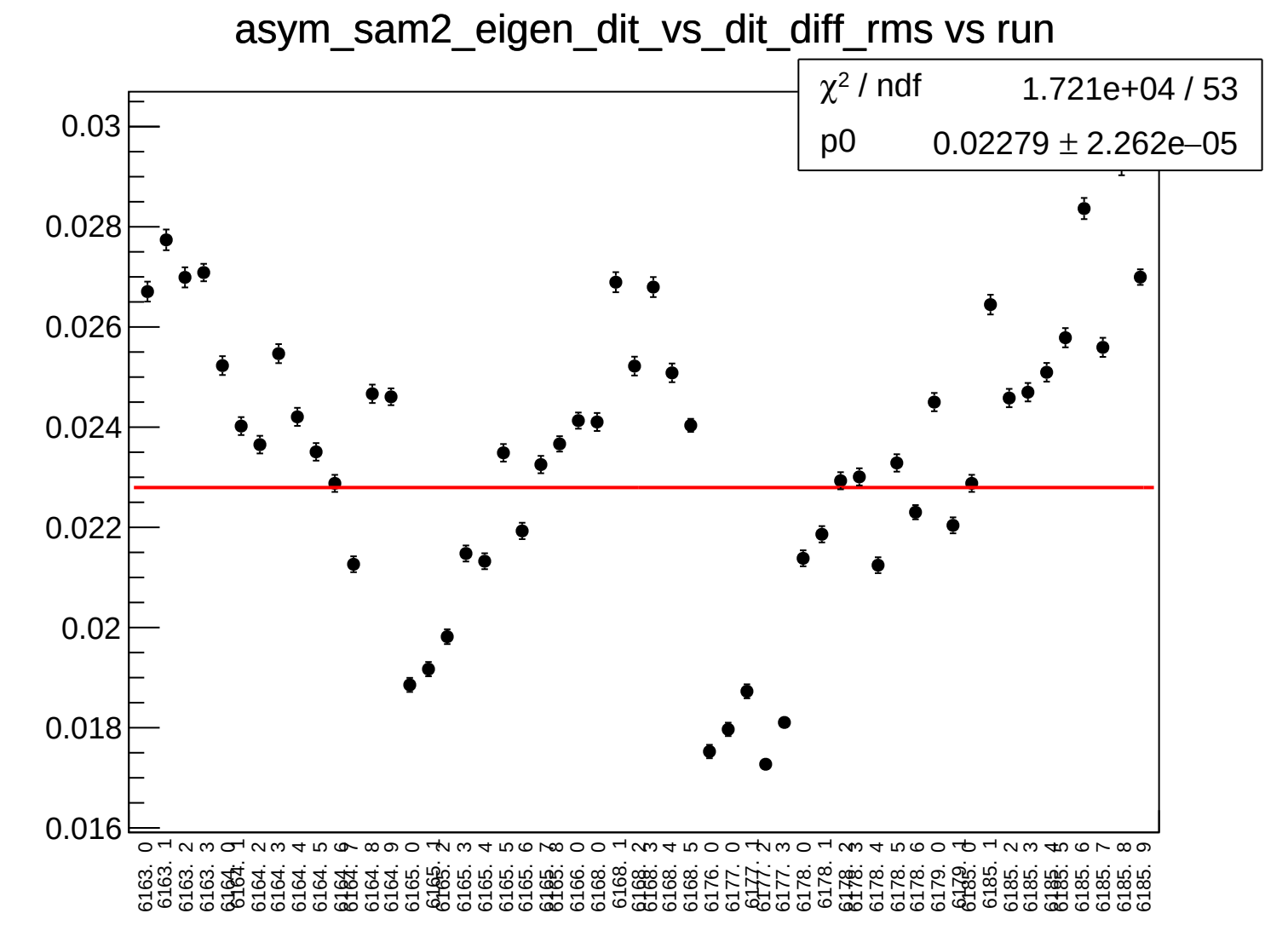

asym_sam2_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 50.03 / 53
p0 0.06073 ± 0.1459
pull
Entries 54
Mean −107.5
Std Dev 0

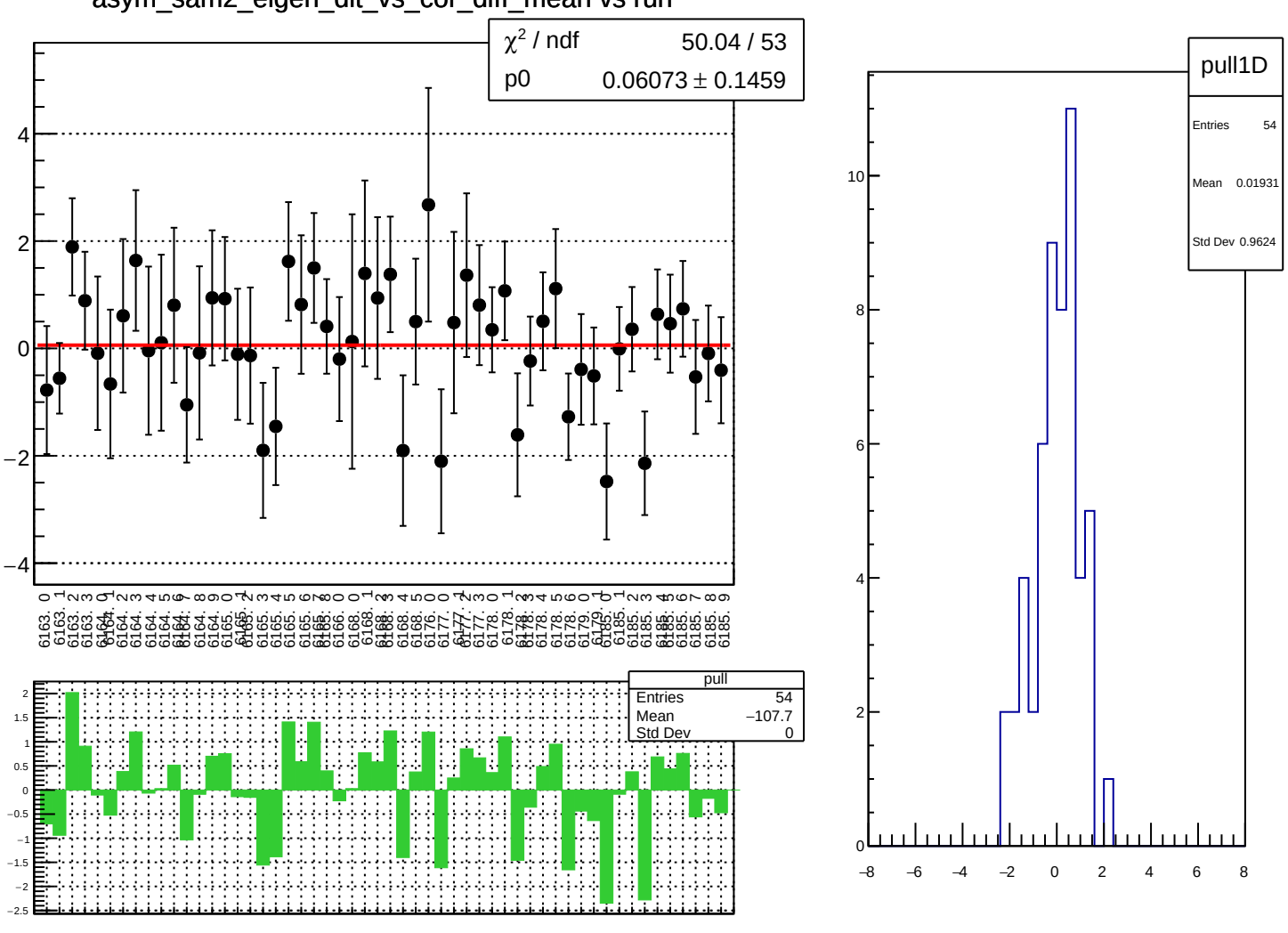

pull1D
Entries 54
Mean 0.01933
Std Dev 0.9624

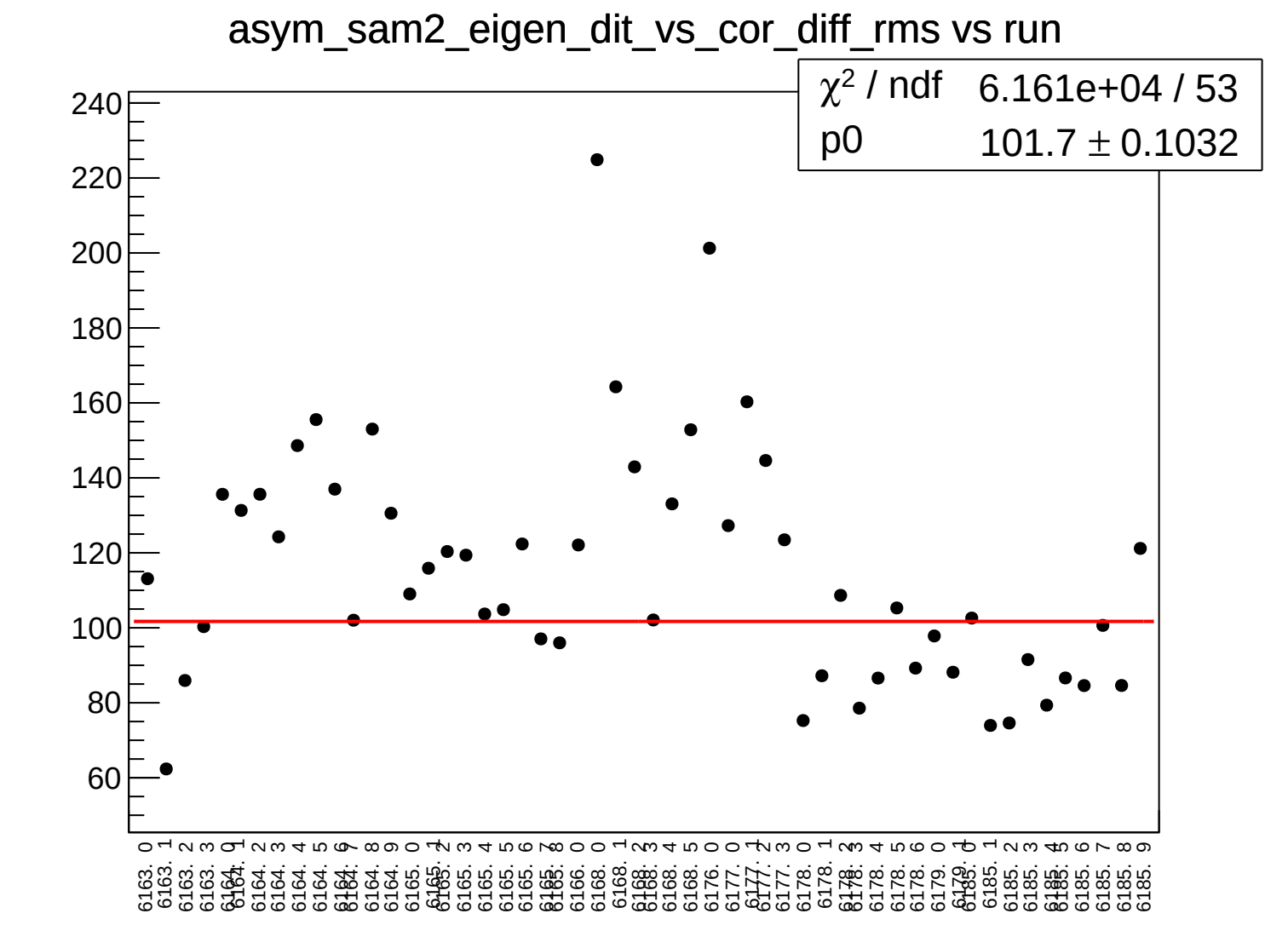

asym_sam2_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.163e+04 / 53
p0 101.7 ± 0.1032
240
220
200
180
160
140
120
100
80
60
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

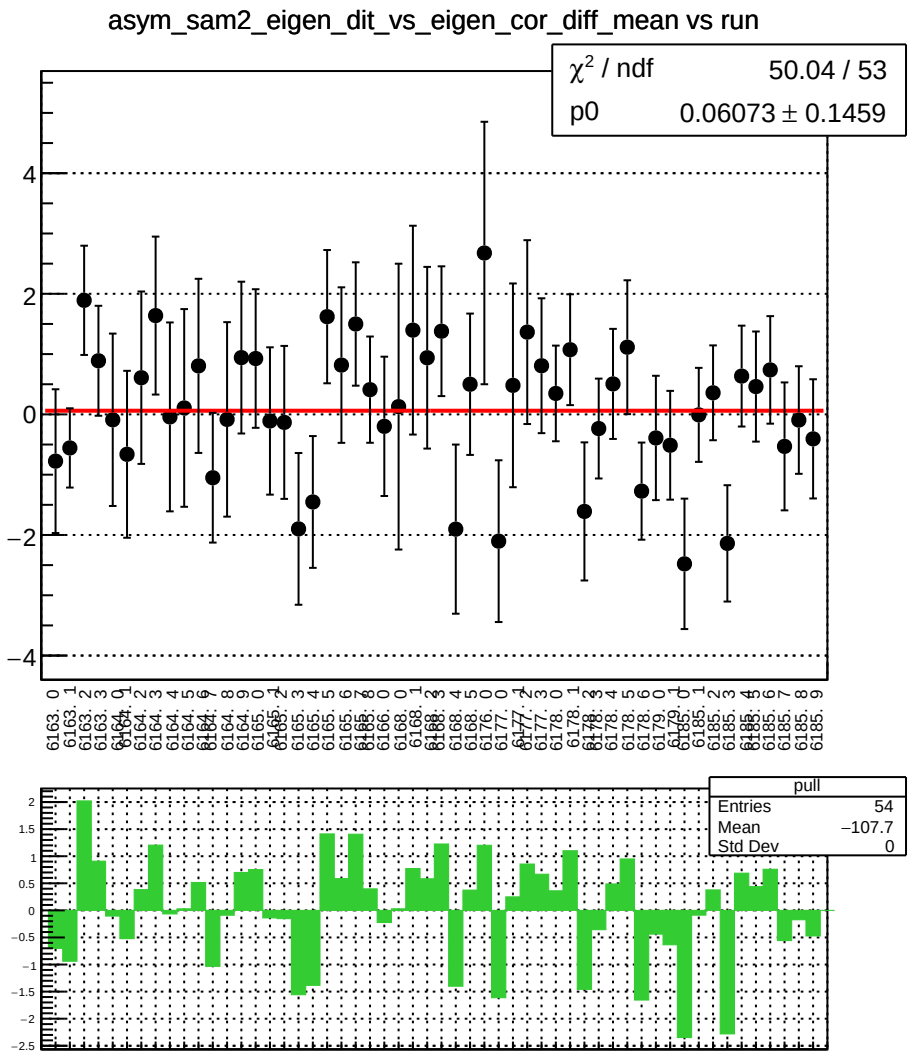

asym_sam2_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 56.18 / 53
p0 −4.667e−05 ± 3.198e−05
pull
Entries 54
Mean 32.85
Std Dev 15.21

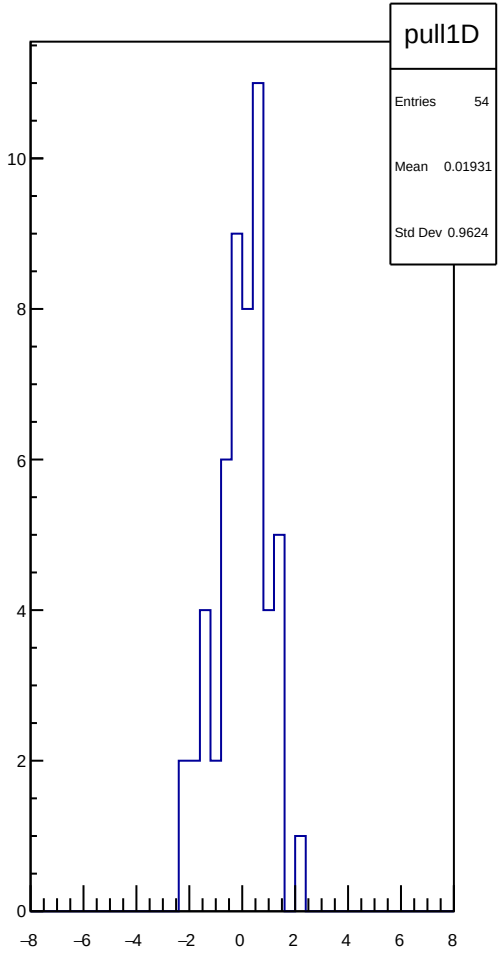

pull1D
Entries 54
Mean −0.02748
Std Dev 1.02

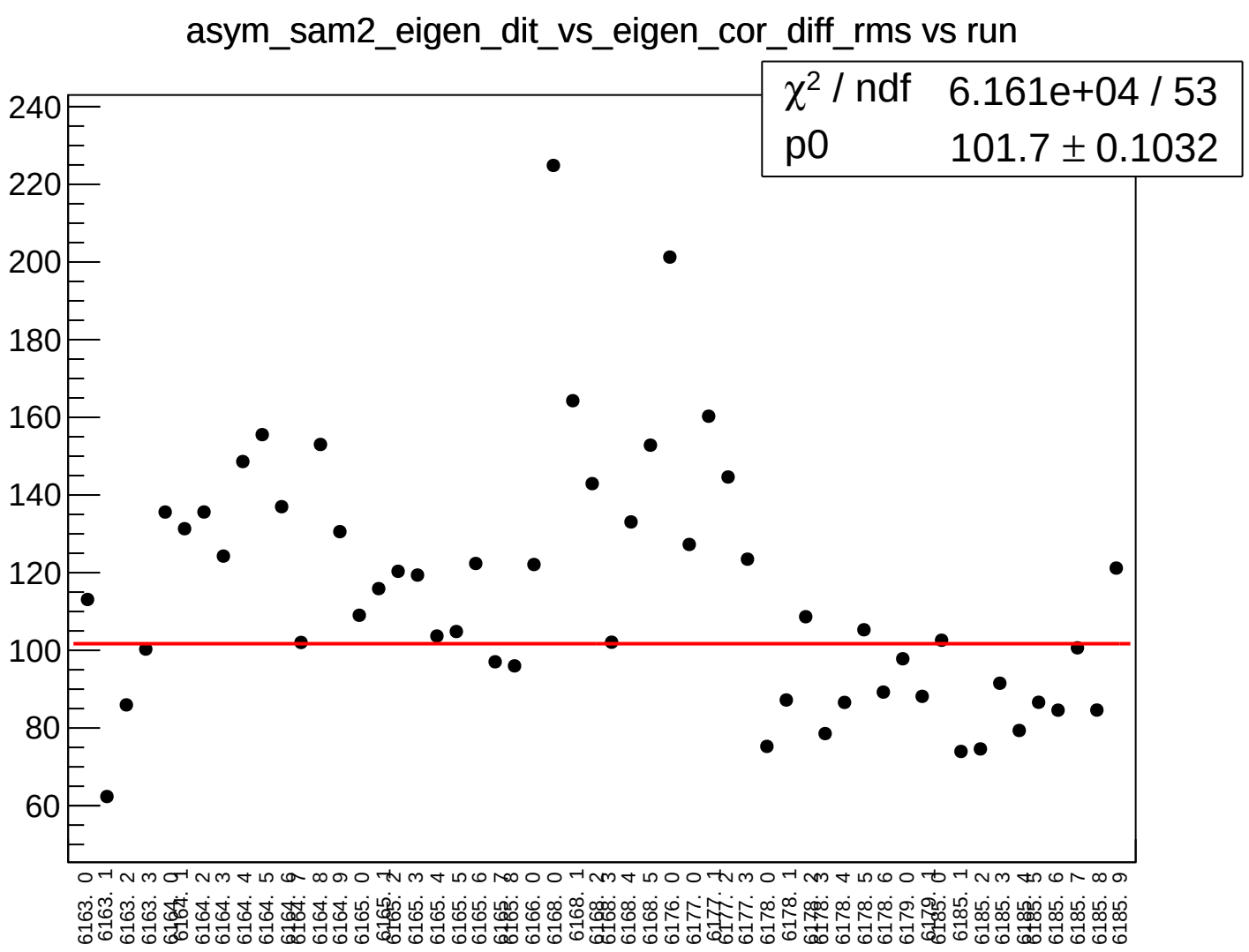

asym_sam2_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.721e+04 / 53
p0 0.02279 ± 2.262e–05
0.03
0.028
0.026
0.024
0.022
0.02
0.018
0.016
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

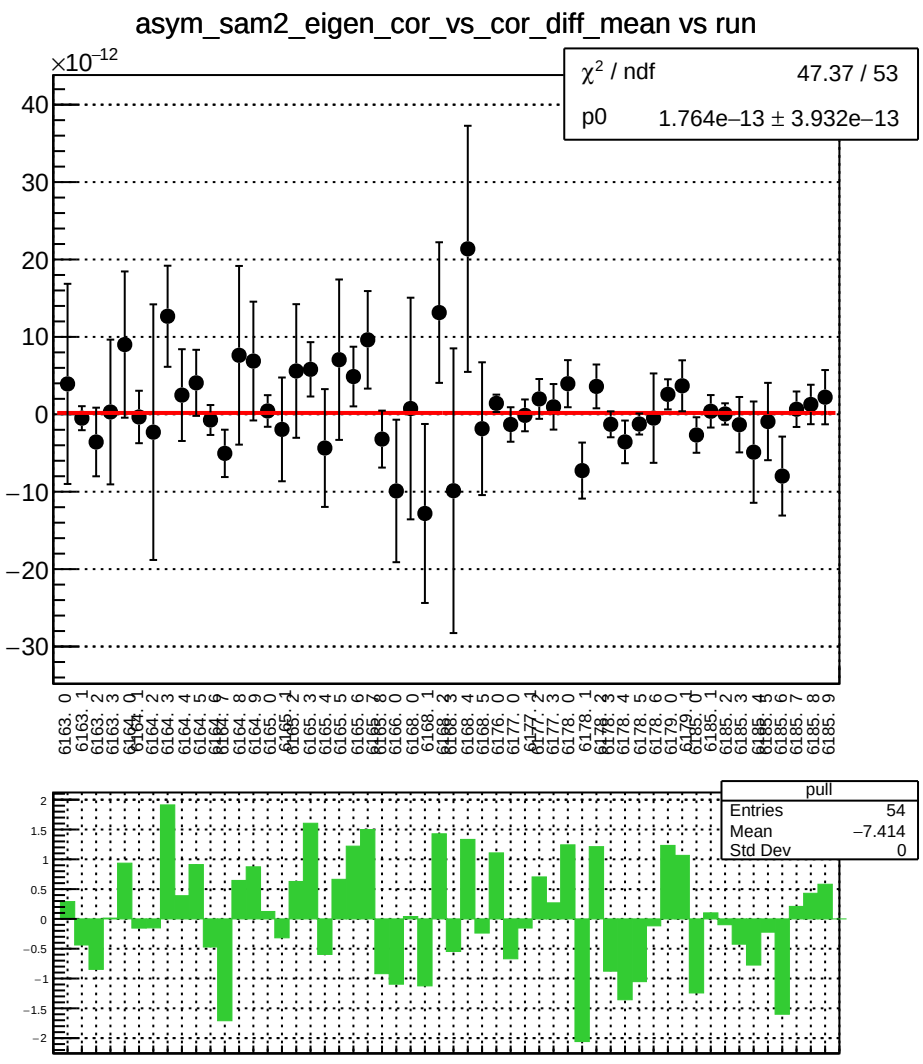

asym_sam2_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 50.04 / 53
p0 0.06073 ± 0.1459
pull
Entries 54
Mean −107.7
Std Dev 0
pull1D
Entries 54
Mean 0.01931
Std Dev 0.9624

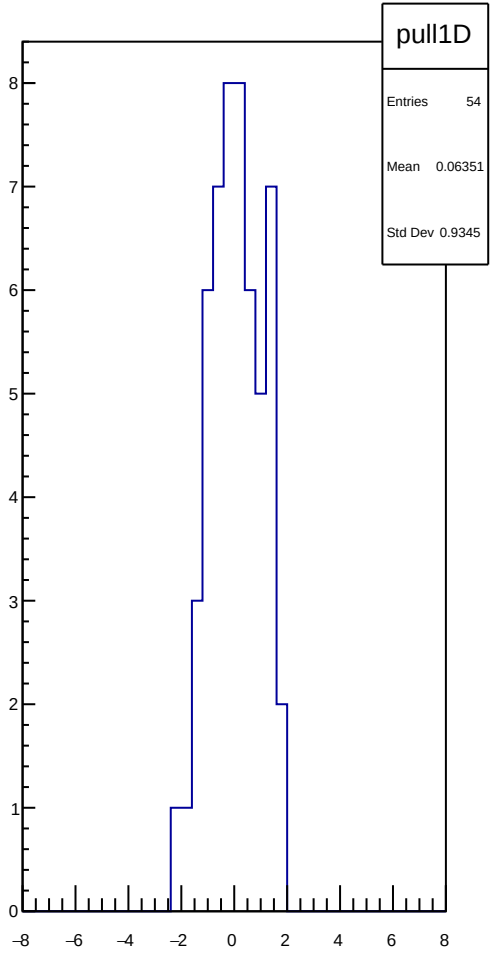

asym_sam2_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 6.161e+04 / 53
p0 101.7 ± 0.1032
240
220
200
180
160
140
120
100
80
60
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

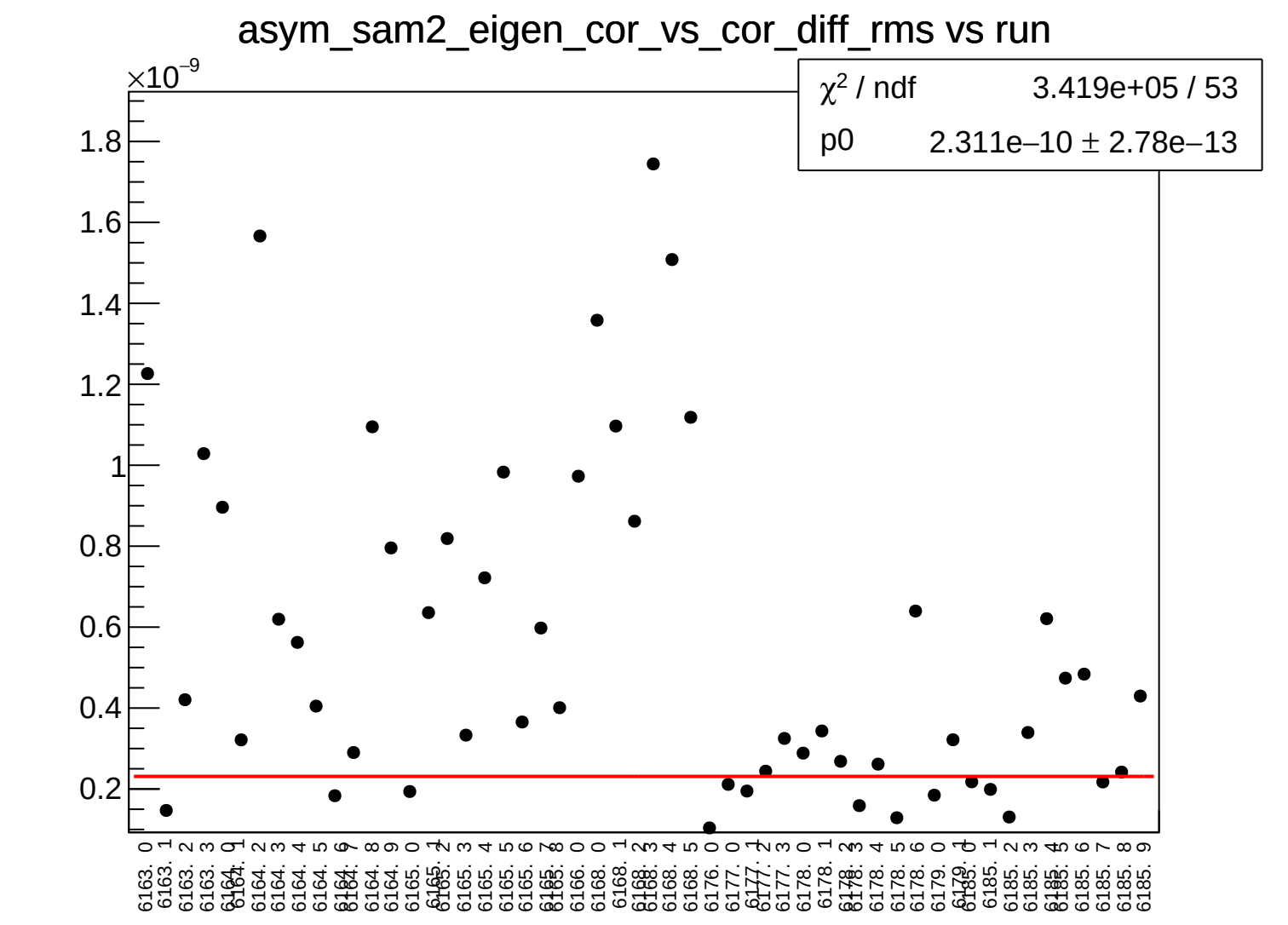

asym_sam2_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 50.04 / 53
p0 0.06073 ± 0.1459
pull
Entries 54
Mean −107.7
Std Dev 0

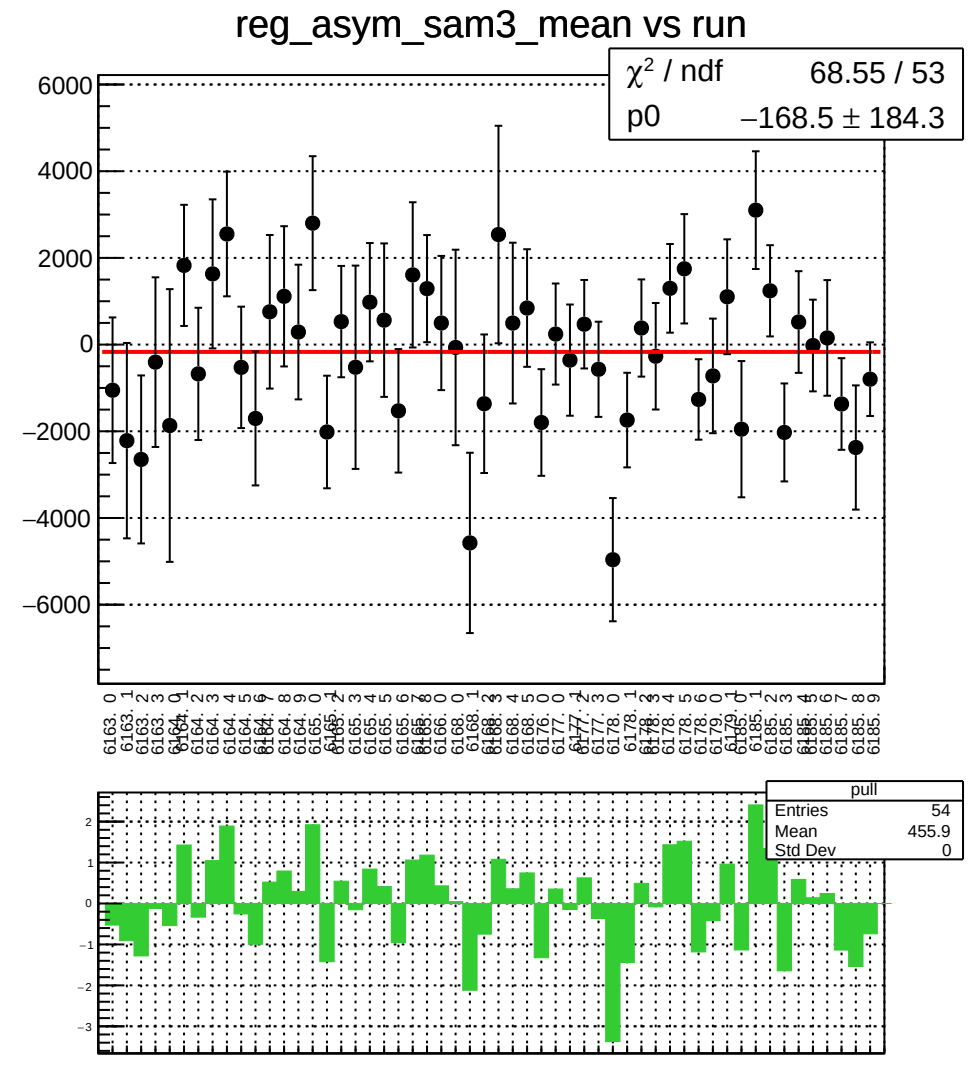

pull1D
Entries 54
Mean 0.01931
Std Dev 0.9624

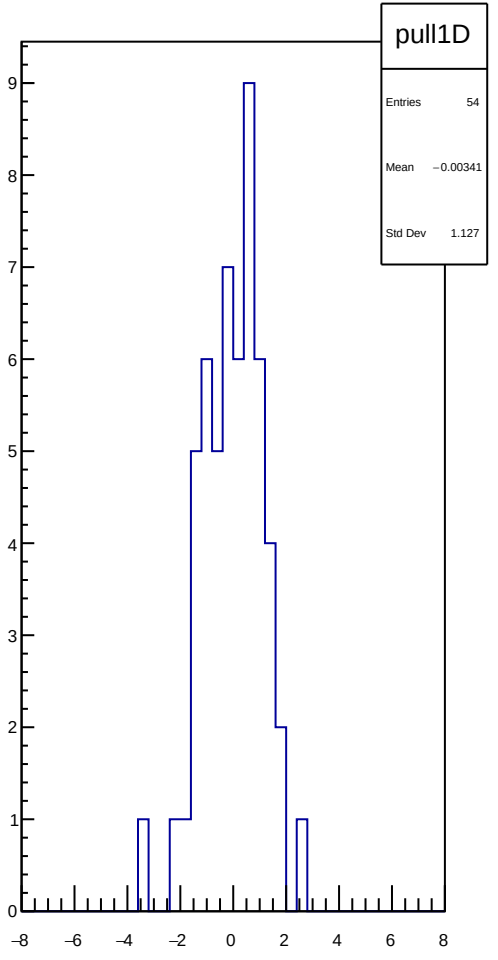

asym_sam2_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.161e+04 / 53
p0 101.7 ± 0.1032
240
220
200
180
160
140
120
100
80
60
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

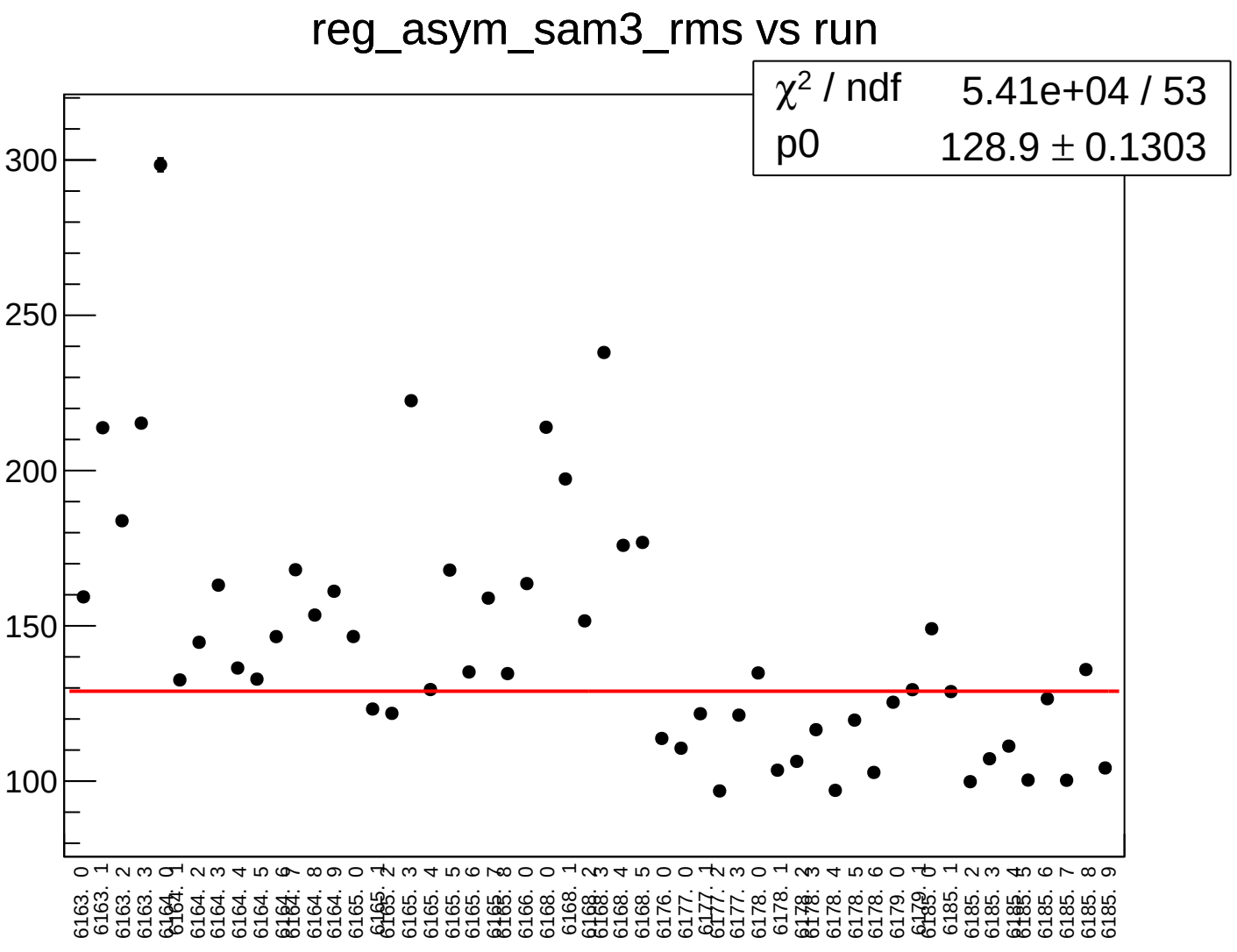

asym_sam2_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 47.37 / 53
p0 1.764e−13 ± 3.932e−13
pull
Entries 54
Mean −7.414
Std Dev 0

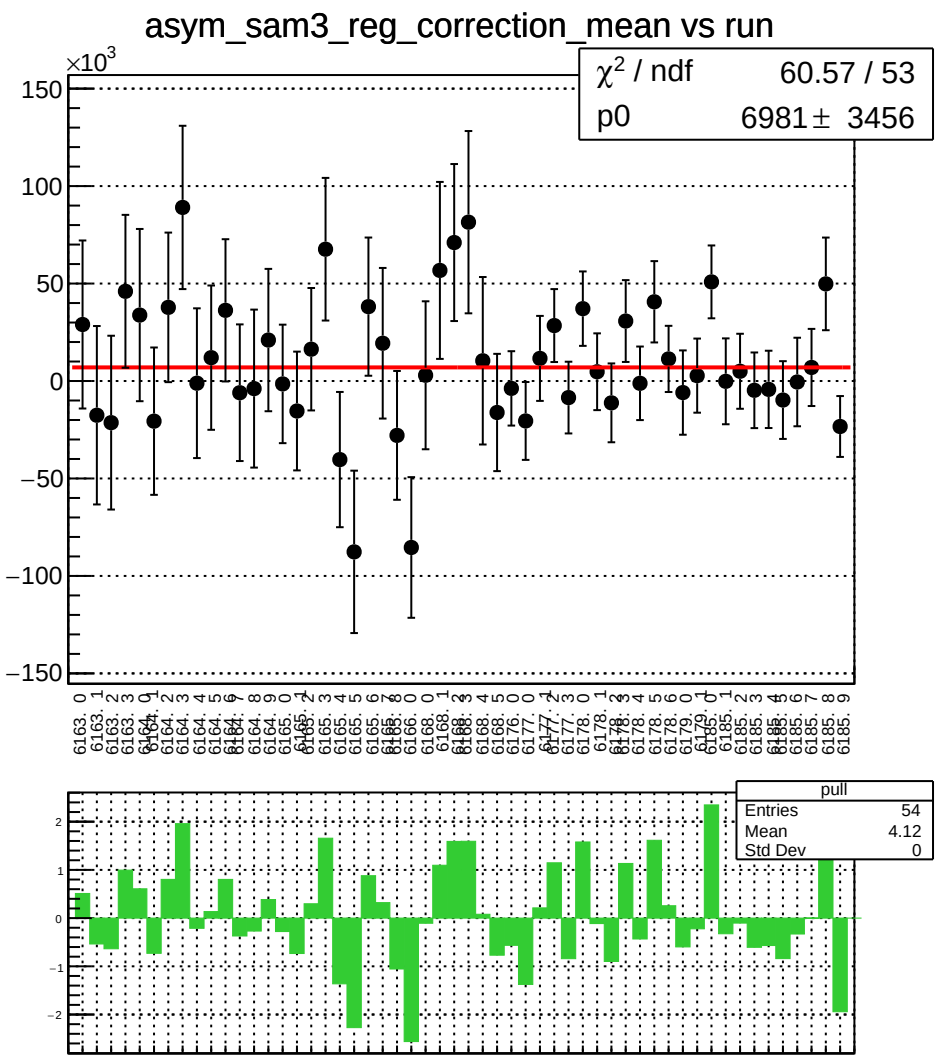

pull1D
Entries 54
Mean 0.06351
Std Dev 0.9345

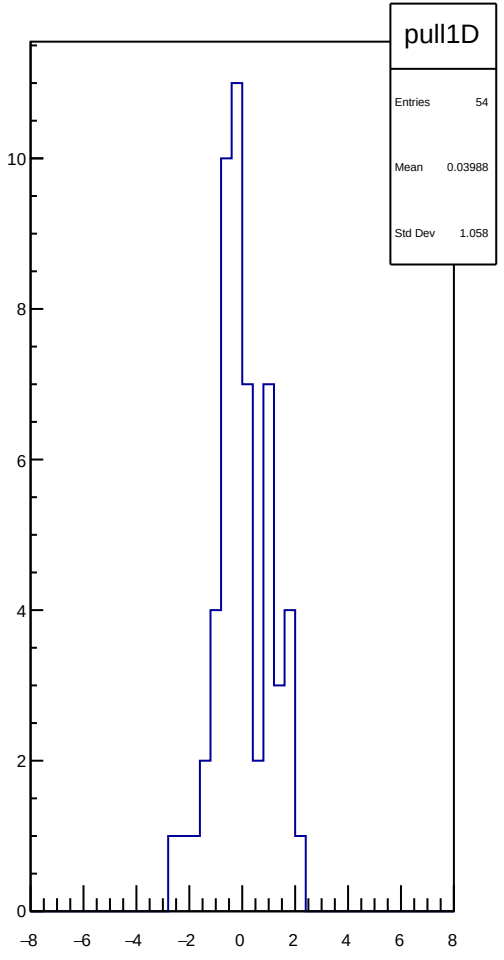

asym_sam2_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.419e+05 / 53
p0 2.311e−10 ± 2.78e−13
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

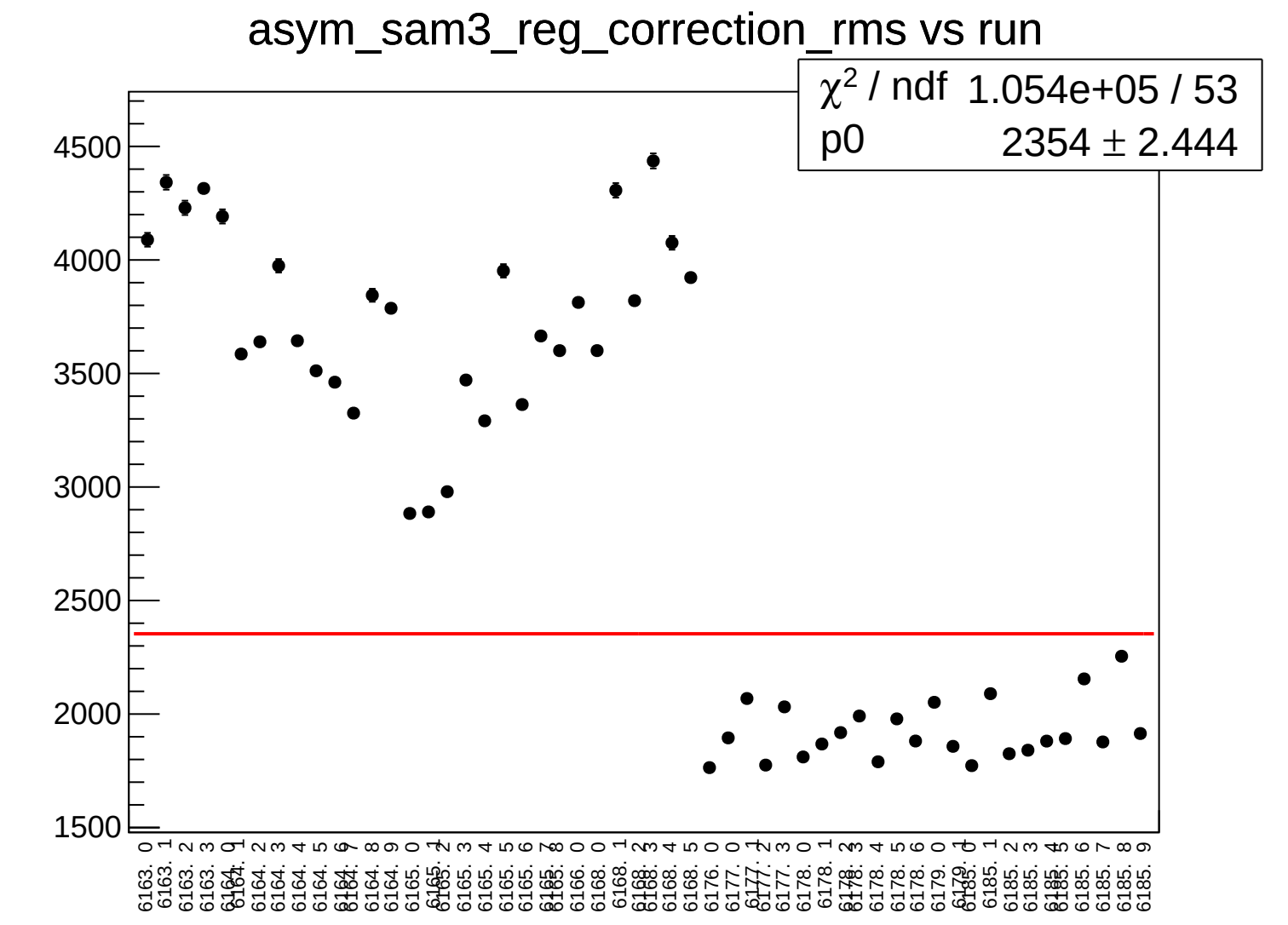

reg_asym_sam3_mean vs run
χ² / ndf 68.55 / 53
p0 −168.5 ± 184.3
pull
Entries 54
Mean 455.9
Std Dev 0


pull1D
Entries 54
Mean −0.00341
Std Dev 1.127


reg_asym_sam3_rms vs run
χ² / ndf 5.41e+04 / 53
p0 128.9 ± 0.1303
300
250
200
150
100
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


asym_sam3_reg_correction_mean vs run
×10^3
χ^2 / ndf 60.57 / 53
p0 6981 ± 3456
pull
Entries 54
Mean 4.12
Std Dev 0


pull1D
Entries 54
Mean 0.03988
Std Dev 1.058


asym_sam3_reg_correction_rms vs run
χ² / ndf 1.054e+05 / 53
p0 2354 ± 2.444
4500
4000
3500
3000
2500
2000
1500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
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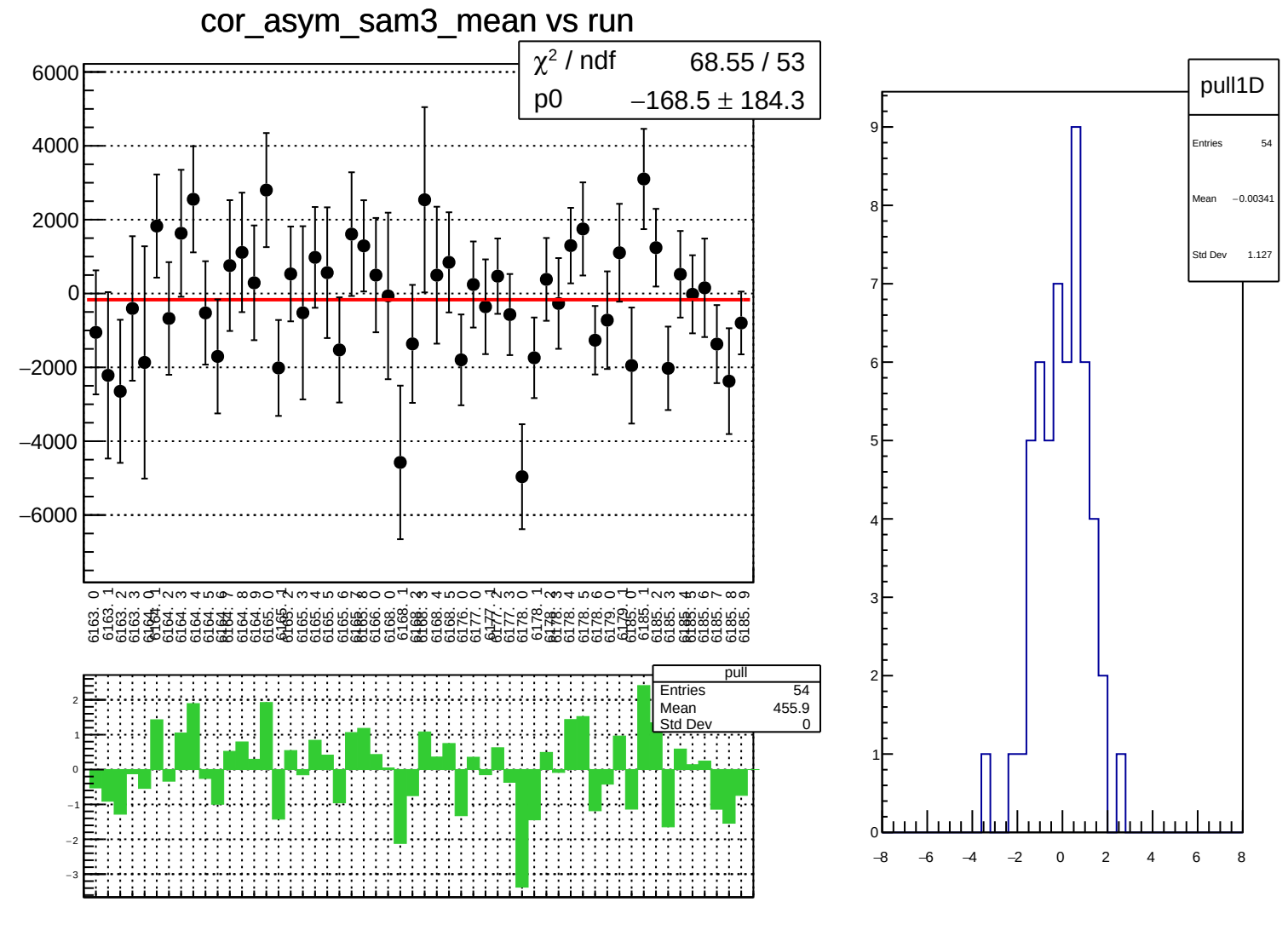
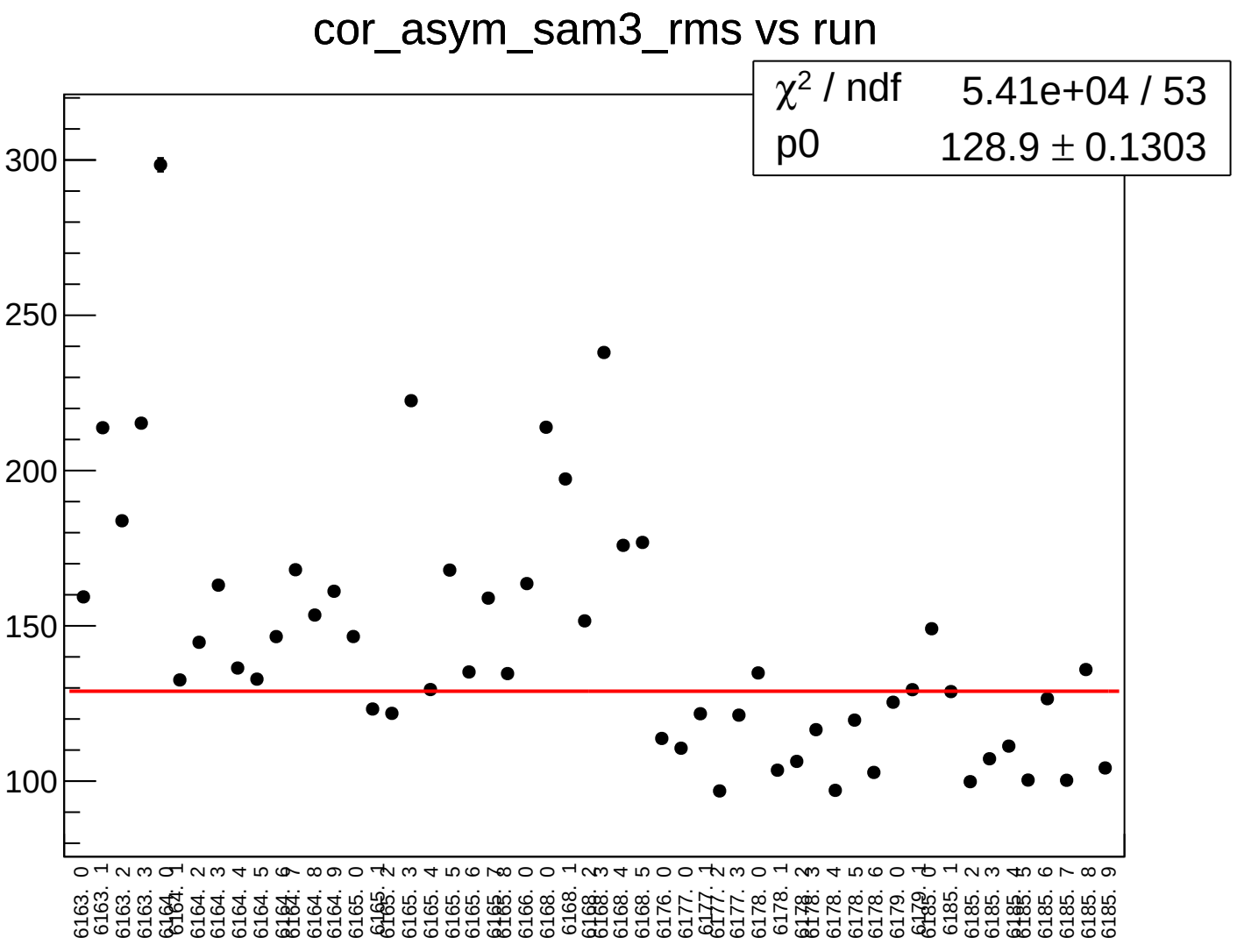
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


cor_asym_sam3_mean vs run
χ² / ndf 68.55 / 53
p0 −168.5 ± 184.3
pull
Entries 54
Mean 455.9
Std Dev 0
pull1D
Entries 54
Mean −0.00341
Std Dev 1.127


cor_asym_sam3_rms vs run
χ² / ndf 5.41e+04 / 53
p0 128.9 ± 0.1303
300
250
200
150
100
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
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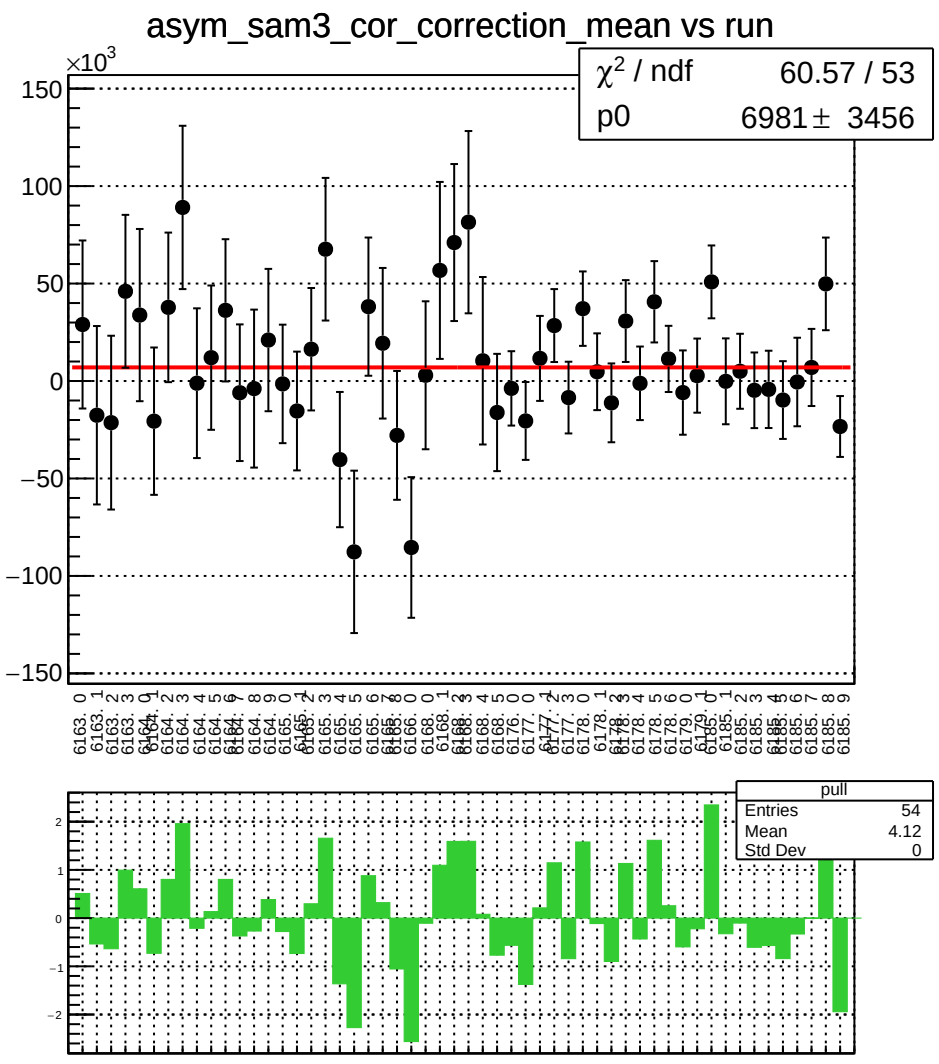
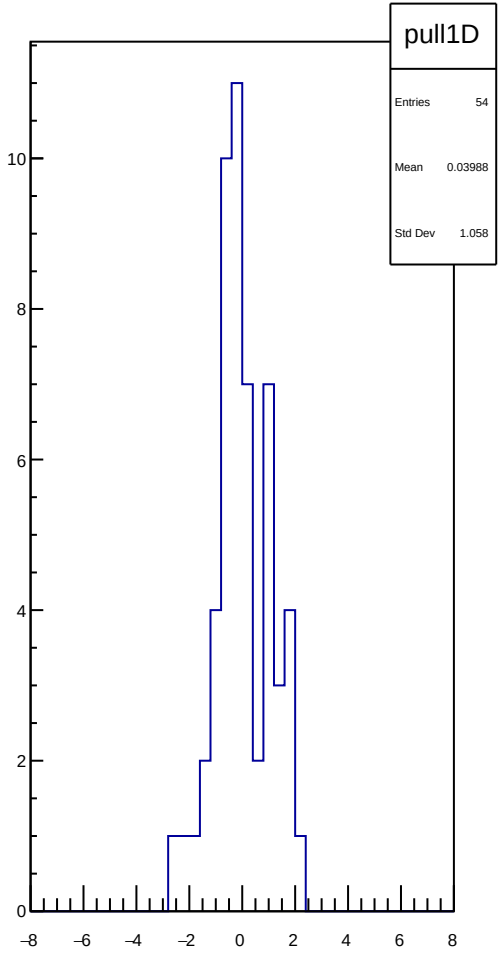
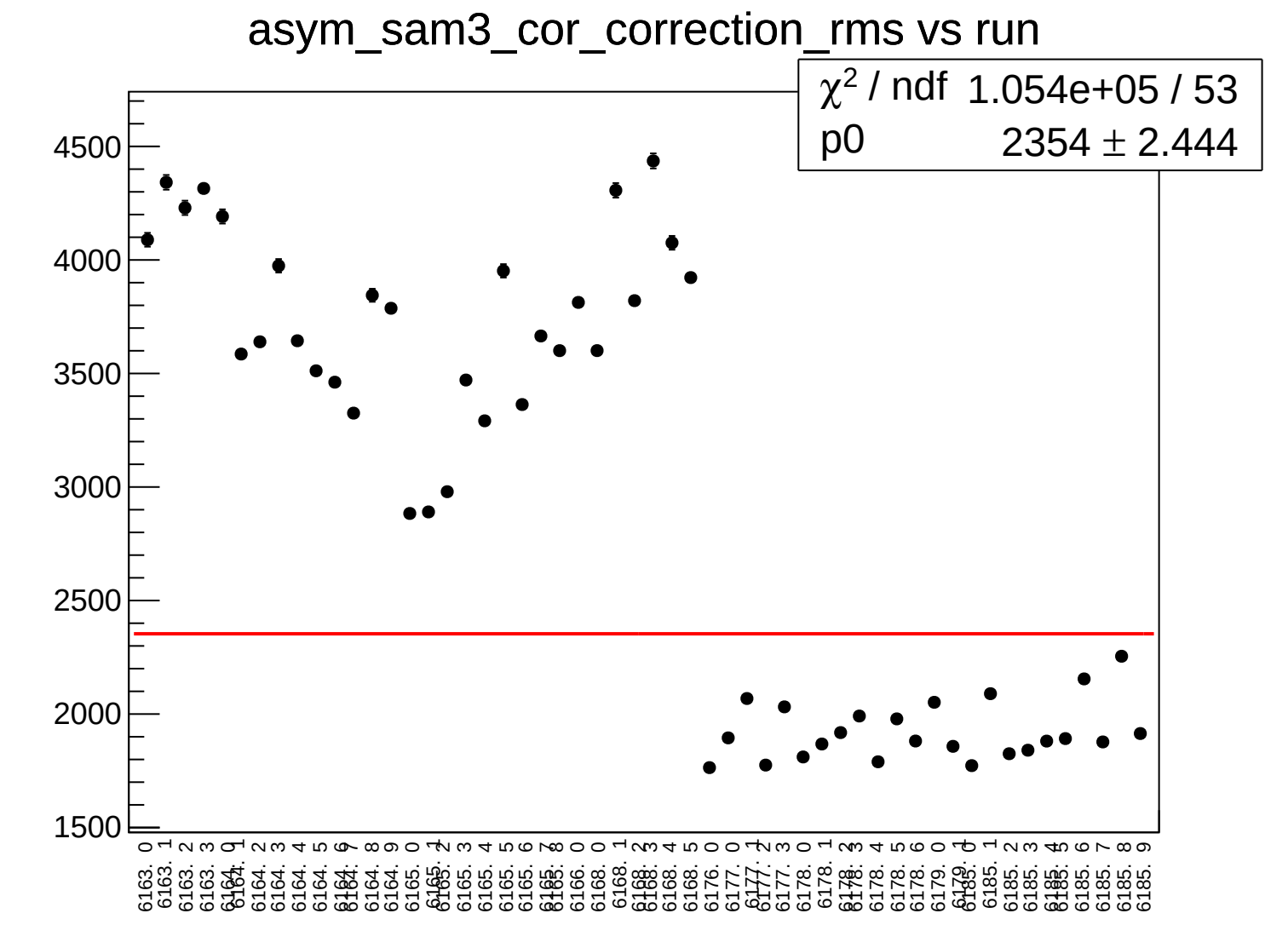
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


asym_sam3_cor_correction_mean vs run
×10^3
χ^2 / ndf 60.57 / 53
p0 6981 ± 3456
pull
Entries 54
Mean 4.12
Std Dev 0


pull1D
Entries 54
Mean 0.03988
Std Dev 1.058


asym_sam3_cor_correction_rms vs run
χ² / ndf 1.054e+05 / 53
p0 2354 ± 2.444
4500
4000
3500
3000
2500
2000
1500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
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6185. 3
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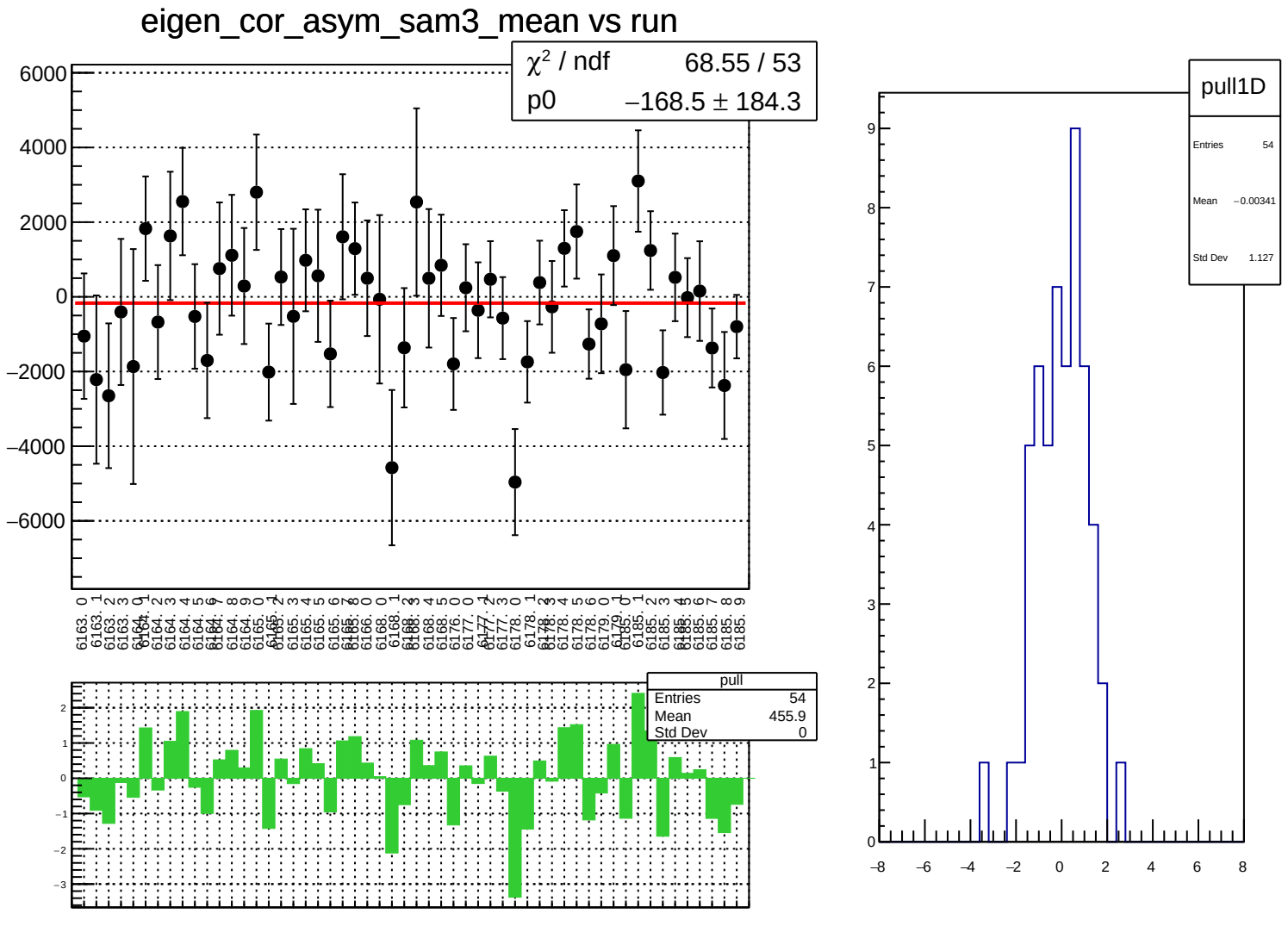
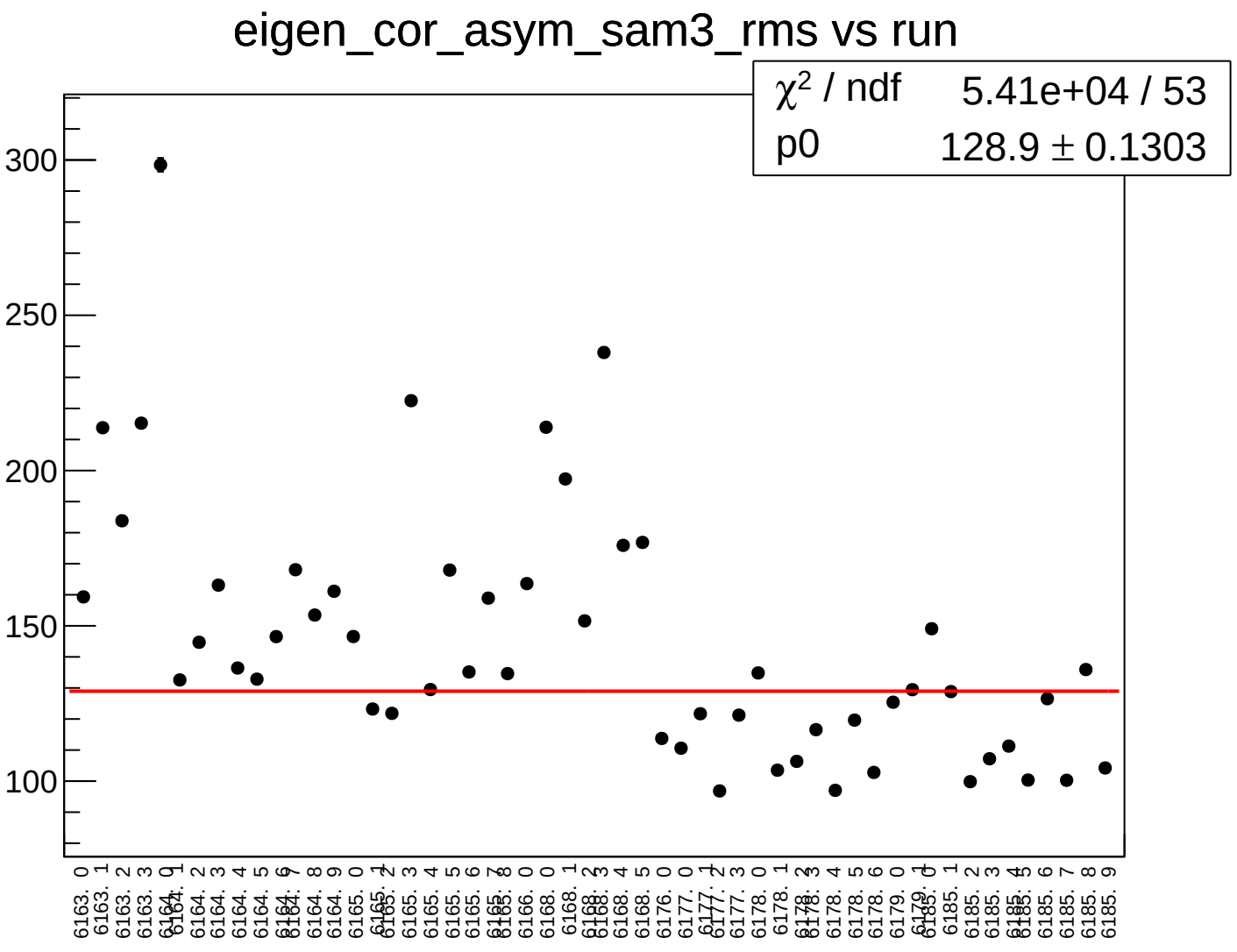
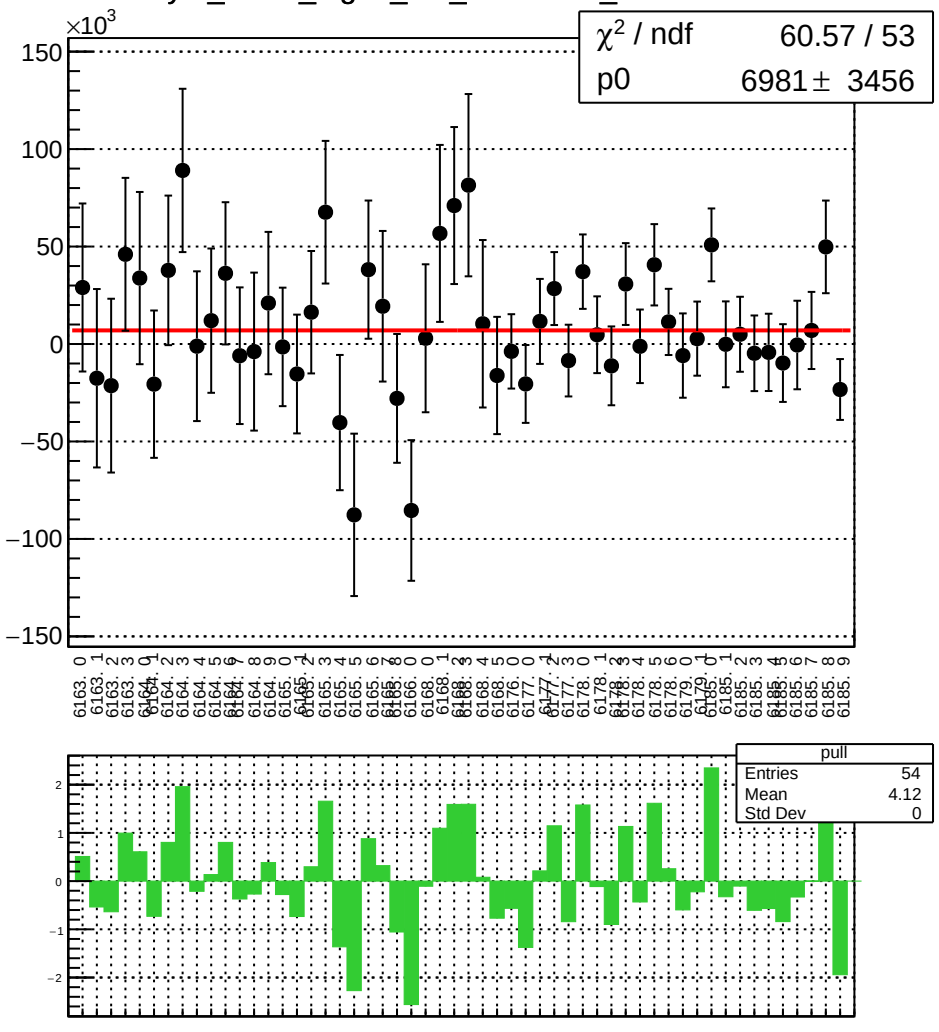
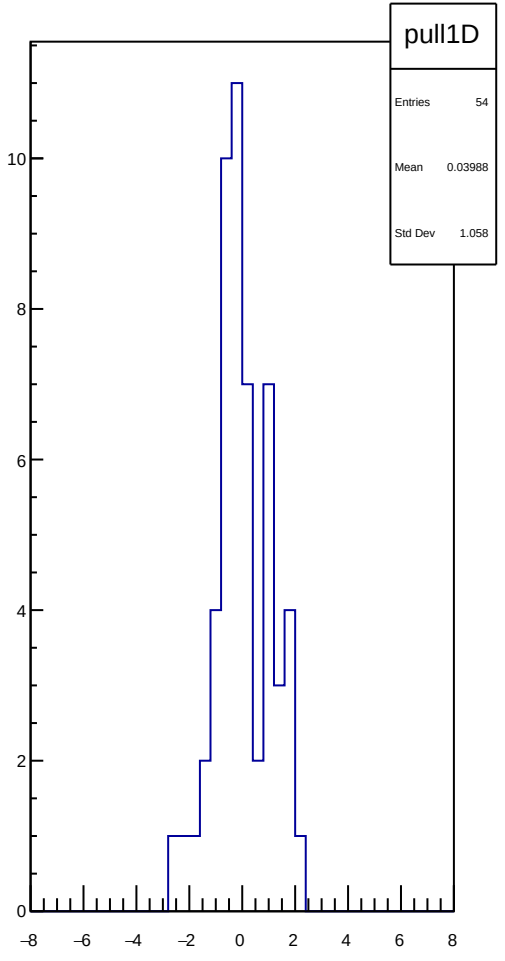
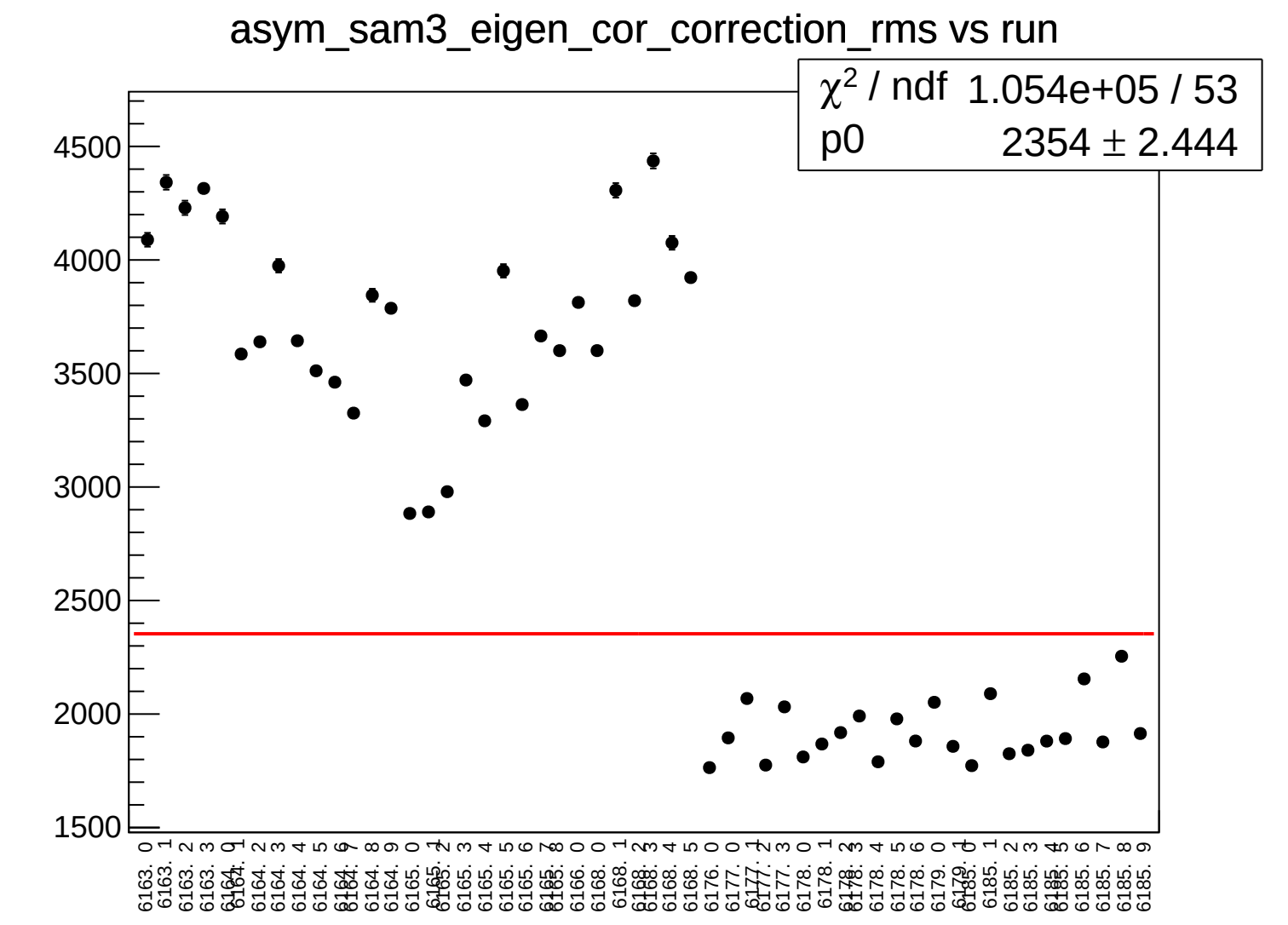
6185. 8
6185. 9


eigen_cor_asym_sam3_mean vs run
χ² / ndf 68.55 / 53
p0 −168.5 ± 184.3
pull
Entries 54
Mean 455.9
Std Dev 0
pull1D
Entries 54
Mean −0.00341
Std Dev 1.127


eigen_cor_asym_sam3_rms vs run
χ² / ndf 5.41e+04 / 53
p0 128.9 ± 0.1303
300
250
200
150
100
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


asym_sam3_eigen_cor_correction_mean vs run
×10^3
χ^2 / ndf 60.57 / 53
p0 6981 ± 3456
pull
Entries 54
Mean 4.12
Std Dev 0


pull1D
Entries 54
Mean 0.03988
Std Dev 1.058


asym_sam3_eigen_cor_correction_rms vs run
χ² / ndf 1.054e+05 / 53
p0 2354 ± 2.444
4500
4000
3500
3000
2500
2000
1500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
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6179. 0
6185. 1
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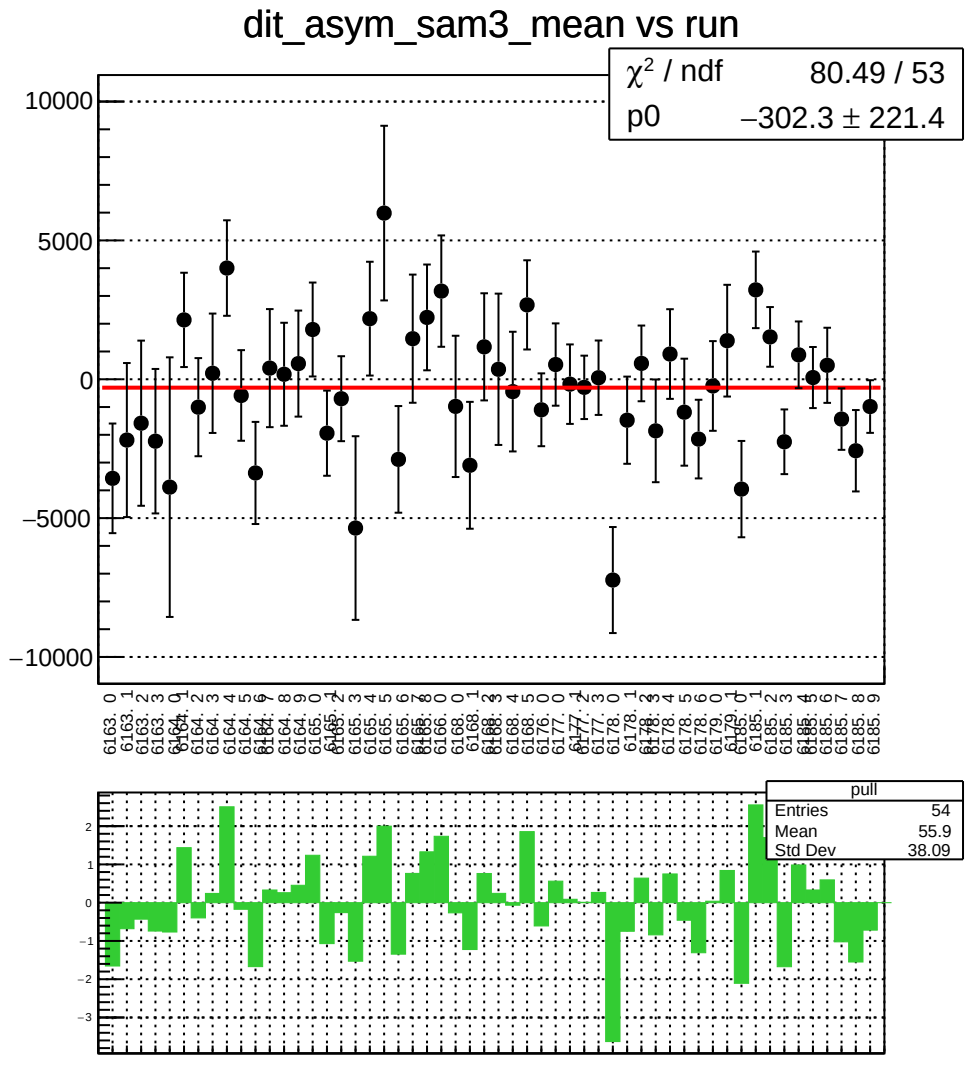
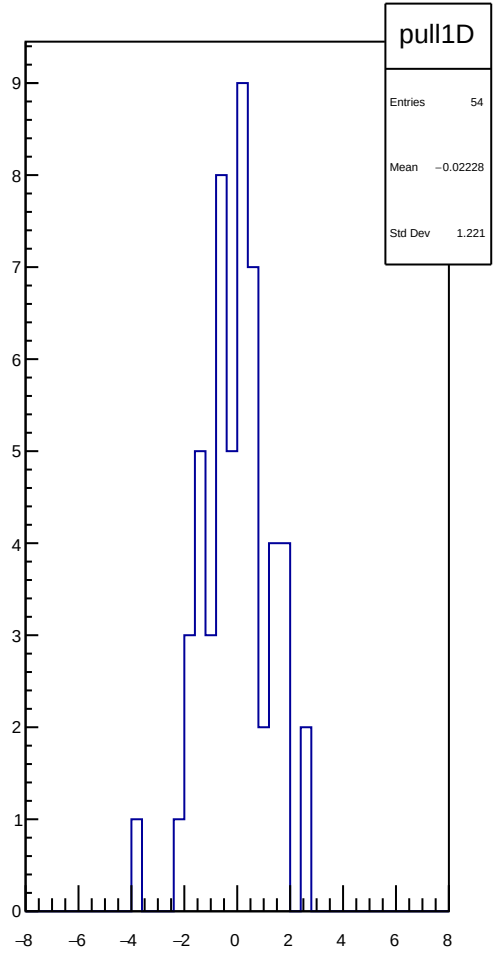
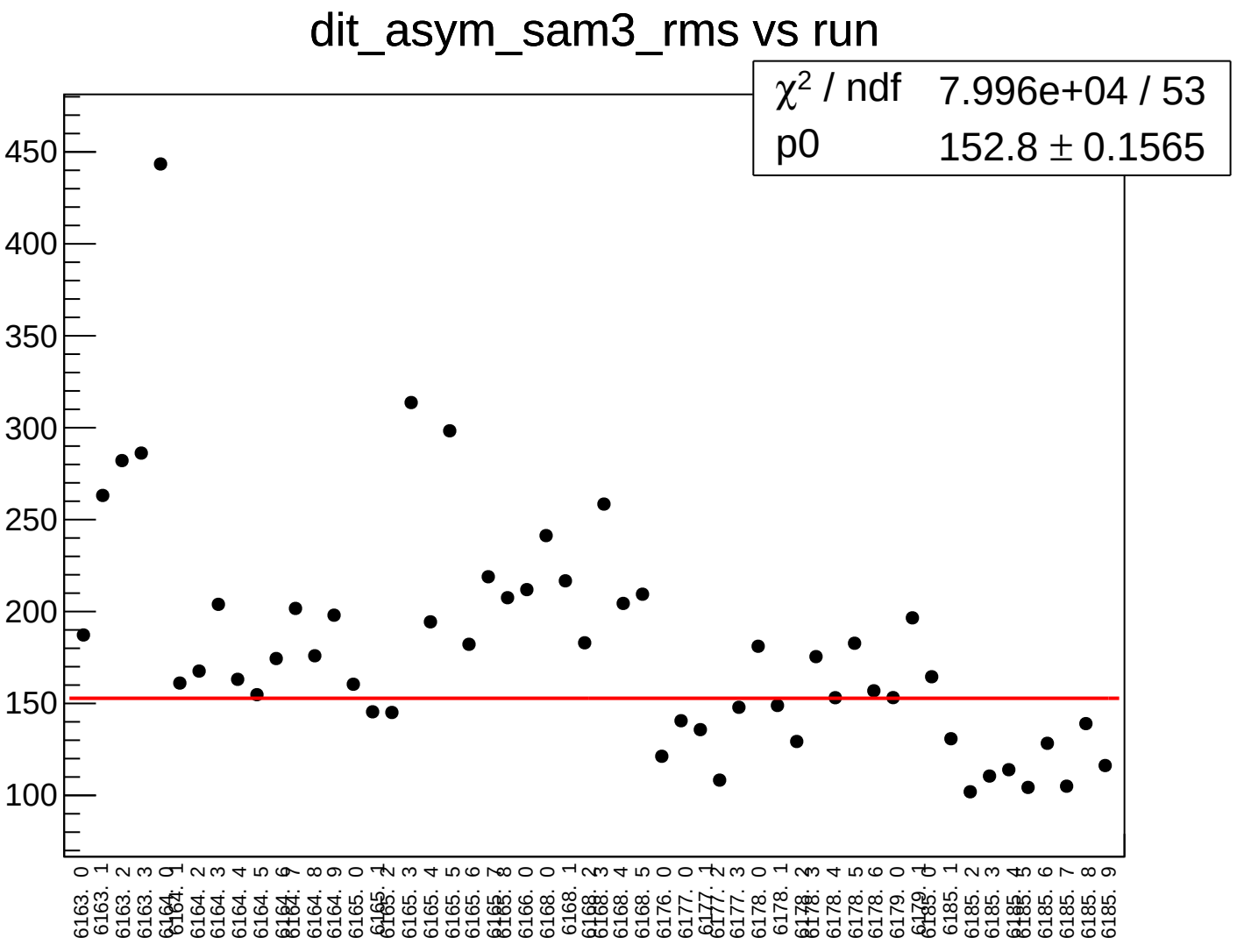
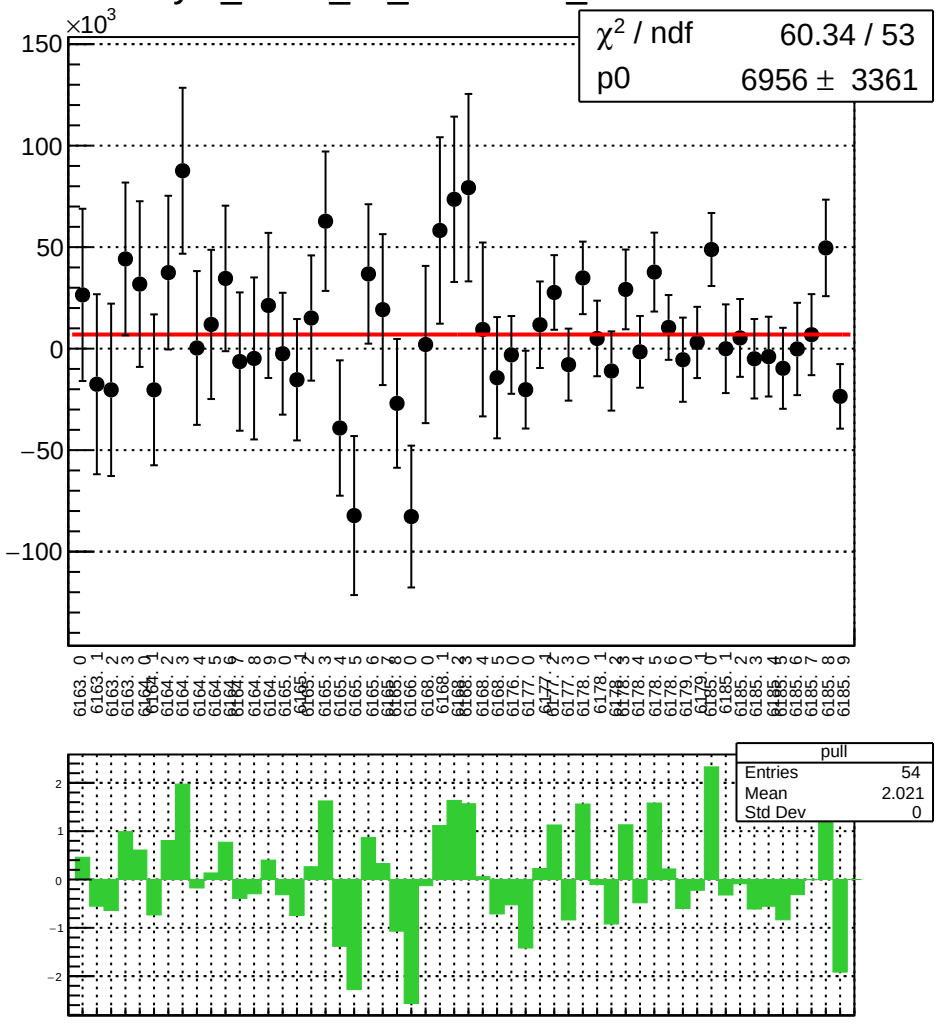
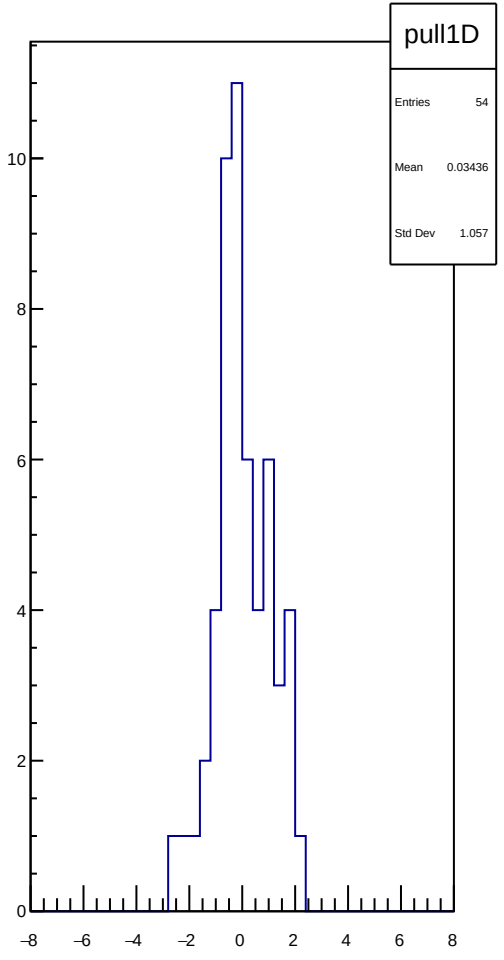
6185. 8
6185. 9

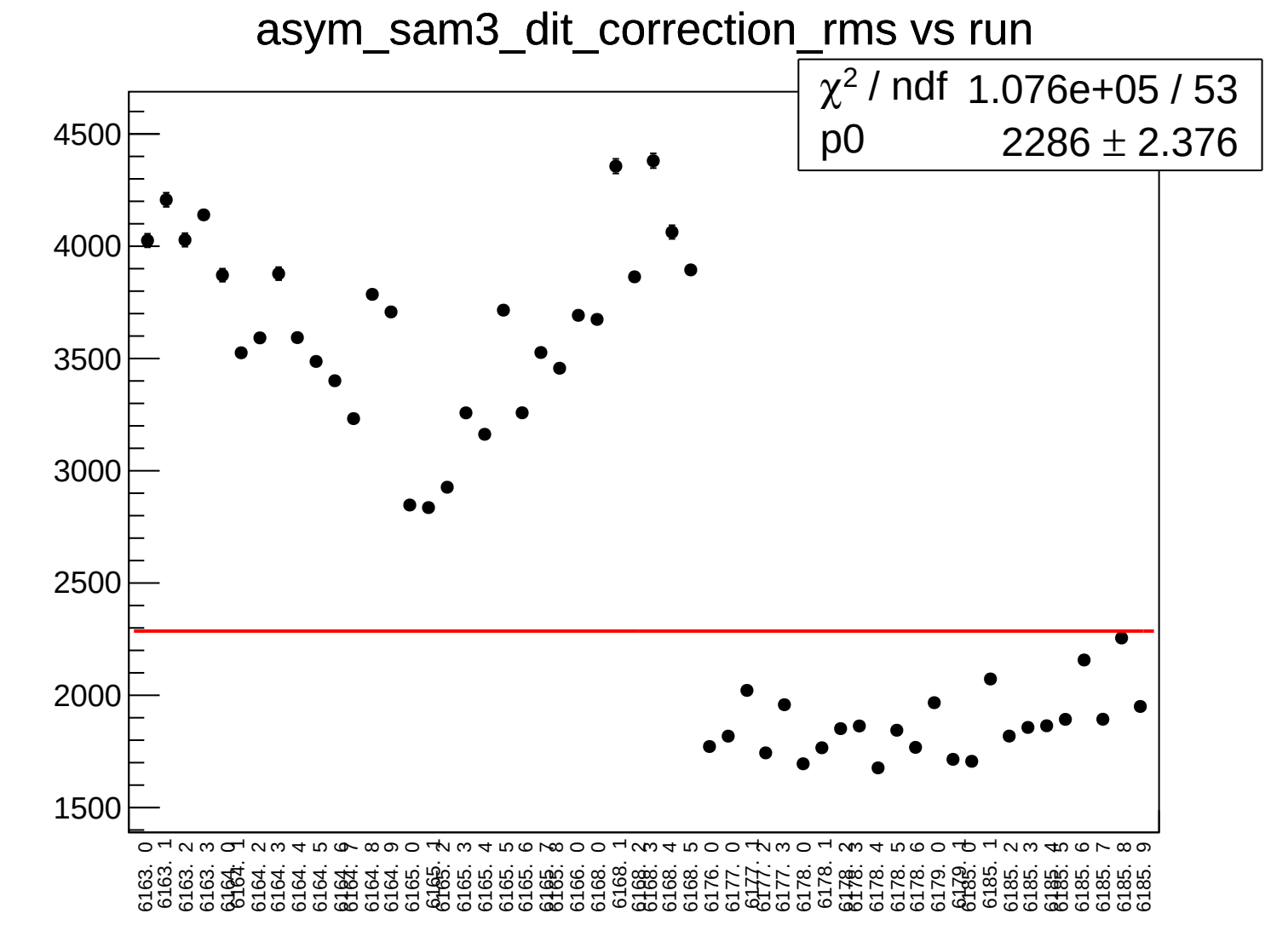

dit_asym_sam3_mean vs run
χ² / ndf 80.49 / 53
p0 −302.3 ± 221.4
10000
5000
0
−5000
−10000
pull
Entries 54
Mean 55.9
Std Dev 38.09
2
1
0
−1
−2
−3

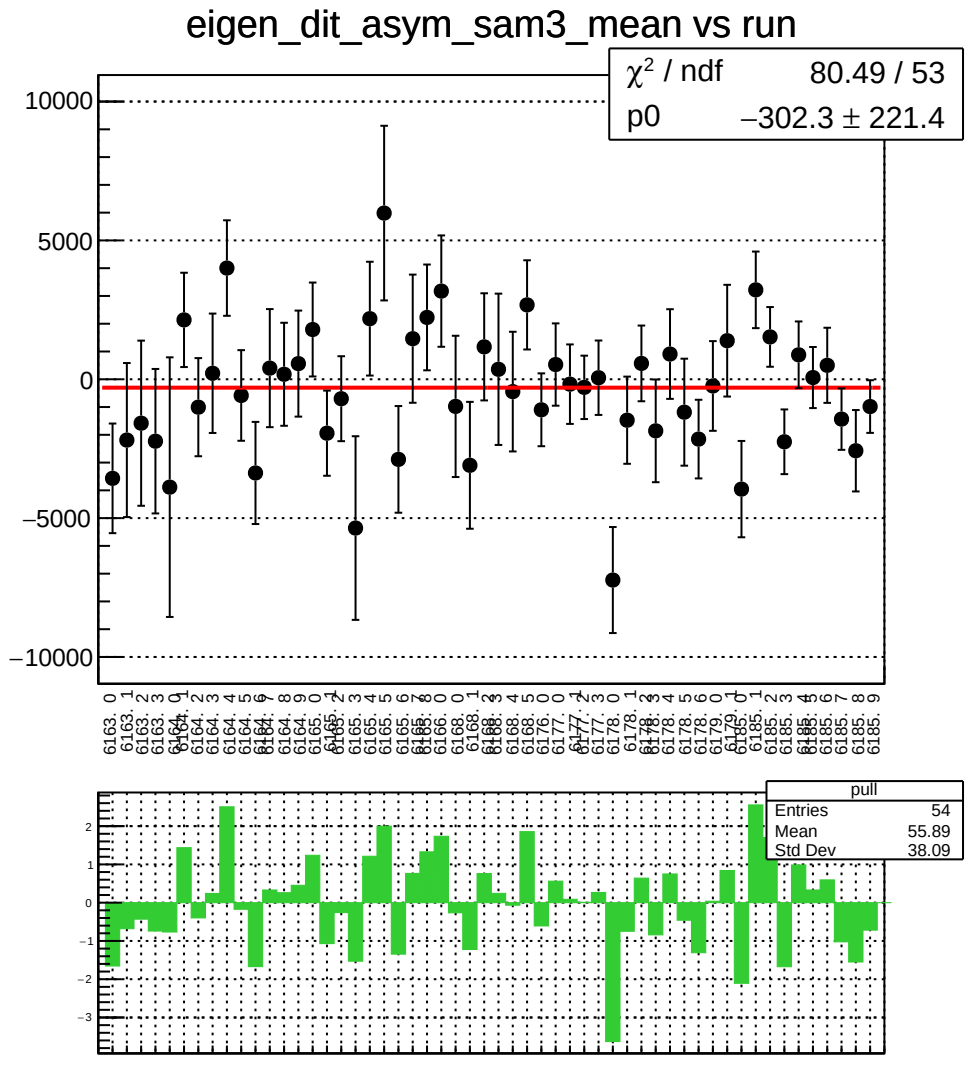

pull1D
Entries 54
Mean −0.02228
Std Dev 1.221
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

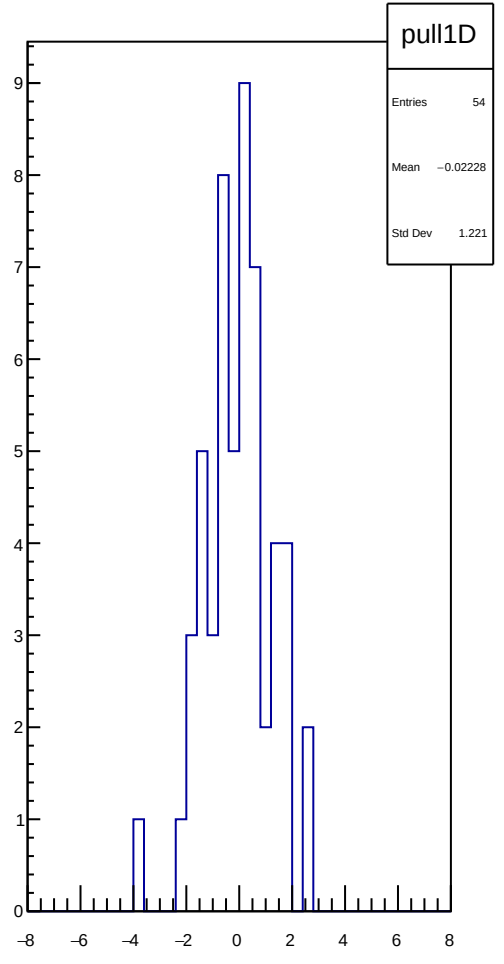

dit_asym_sam3_rms vs run
χ² / ndf 7.996e+04 / 53
p0 152.8 ± 0.1565
450
400
350
300
250
200
150
100
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

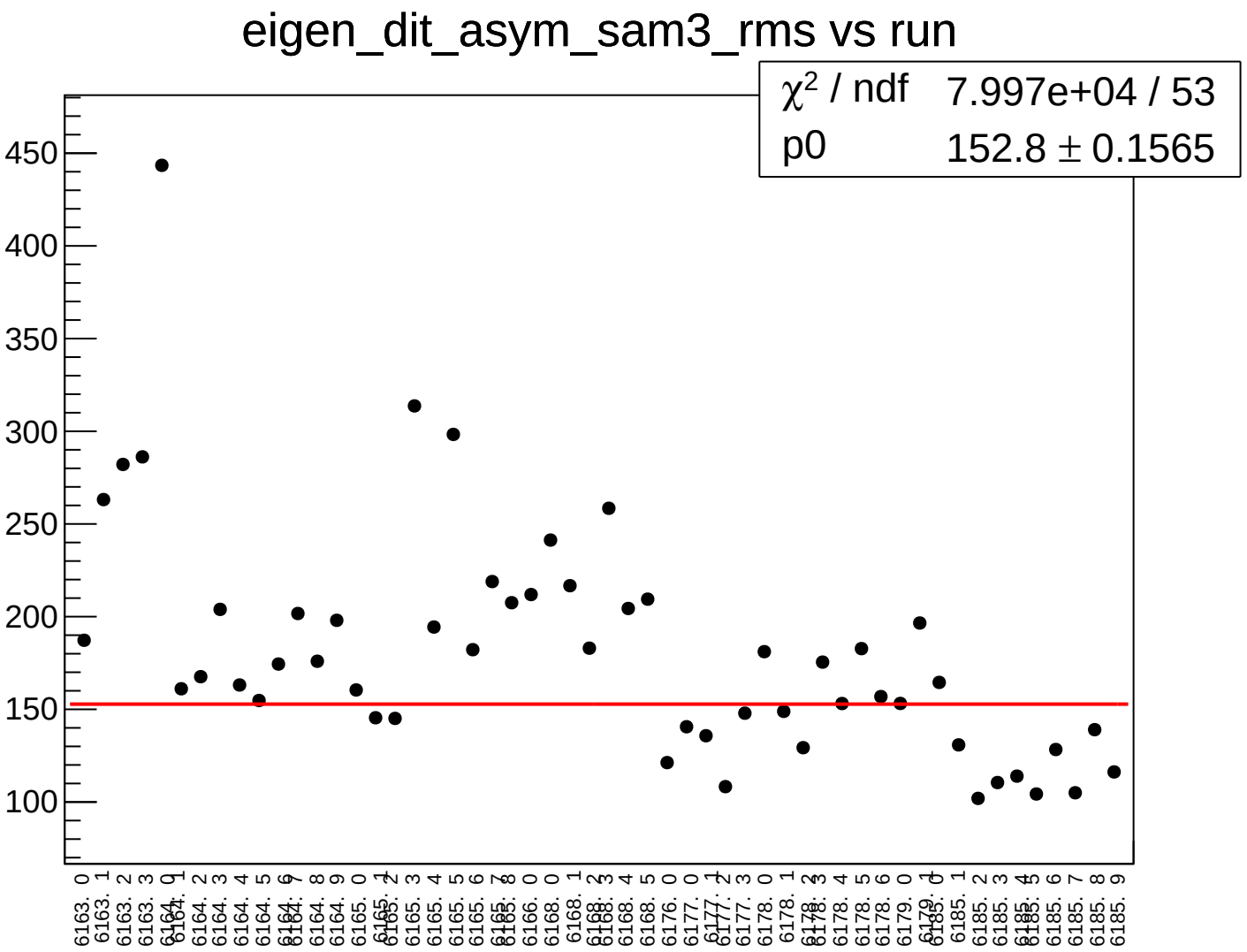

asym_sam3_dit_correction_mean vs run
×10^3
χ² / ndf 60.34 / 53
p0 6956 ± 3361
150
100
50
0
−50
−100
pull
Entries 54
Mean 2.021
Std Dev 0
2
1
0
−1
−2

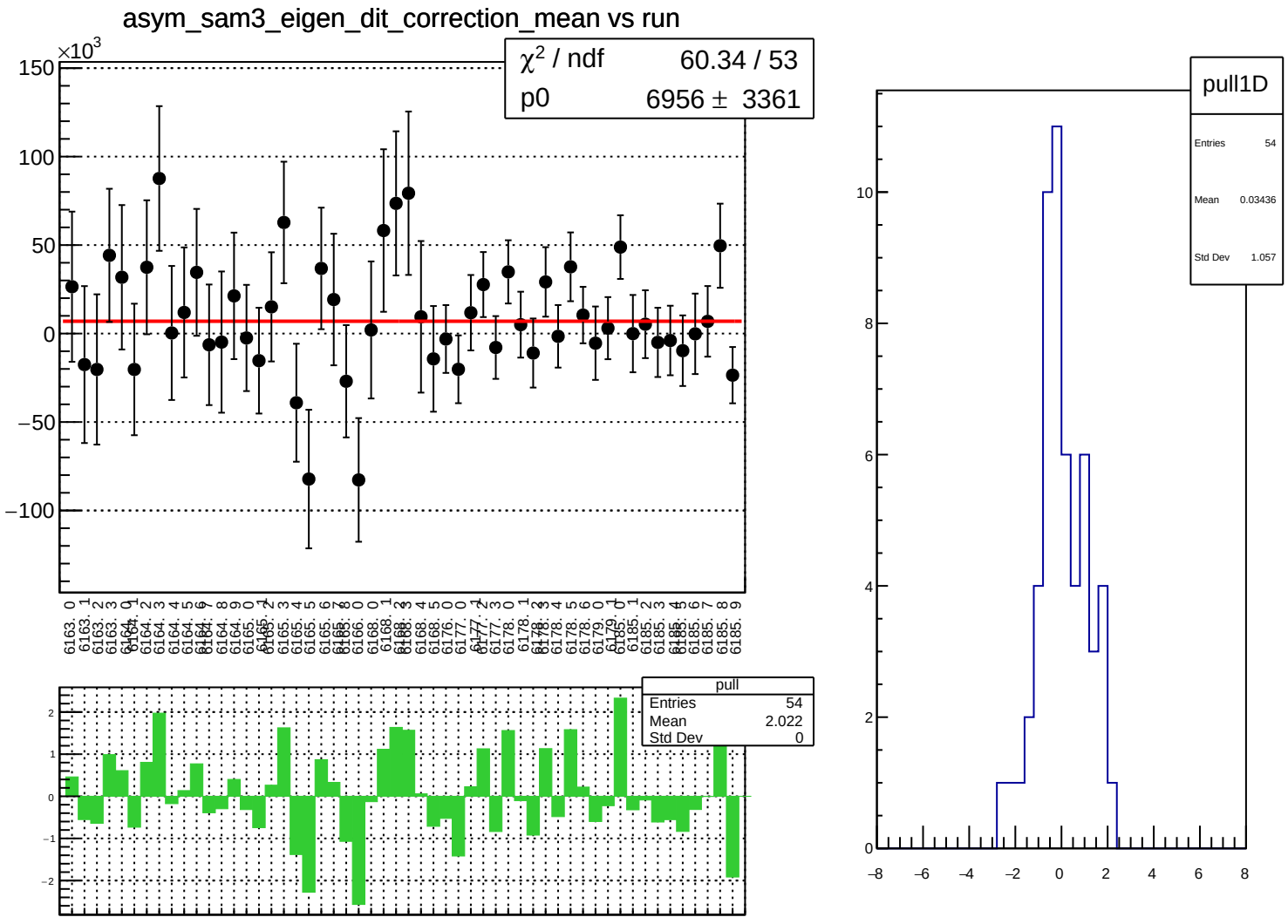

pull1D
Entries 54
Mean 0.03436
Std Dev 1.057
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

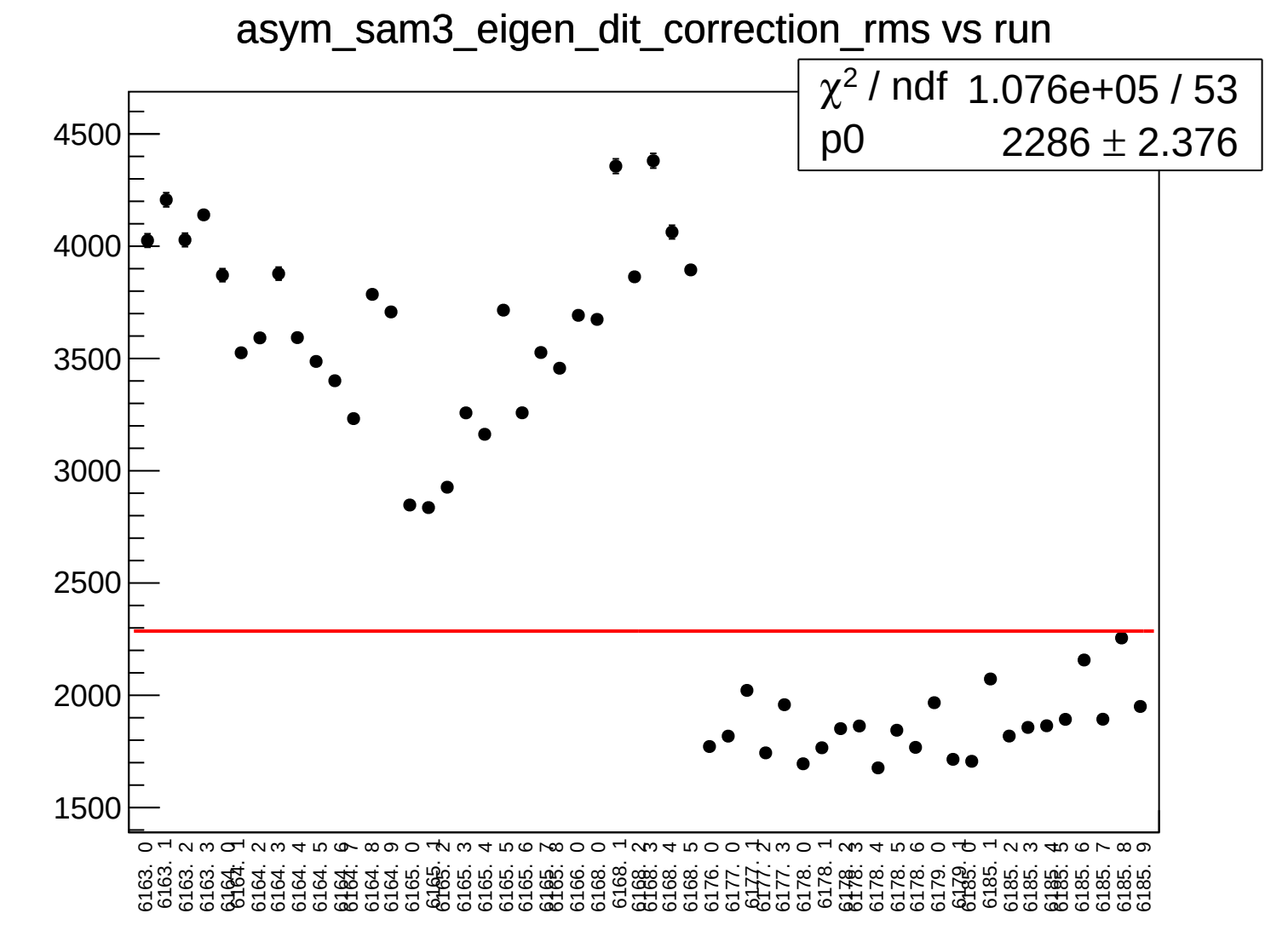

asym_sam3_dit_correction_rms vs run
χ² / ndf 1.076e+05 / 53
p0 2286 ± 2.376
4500
4000
3500
3000
2500
2000
1500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

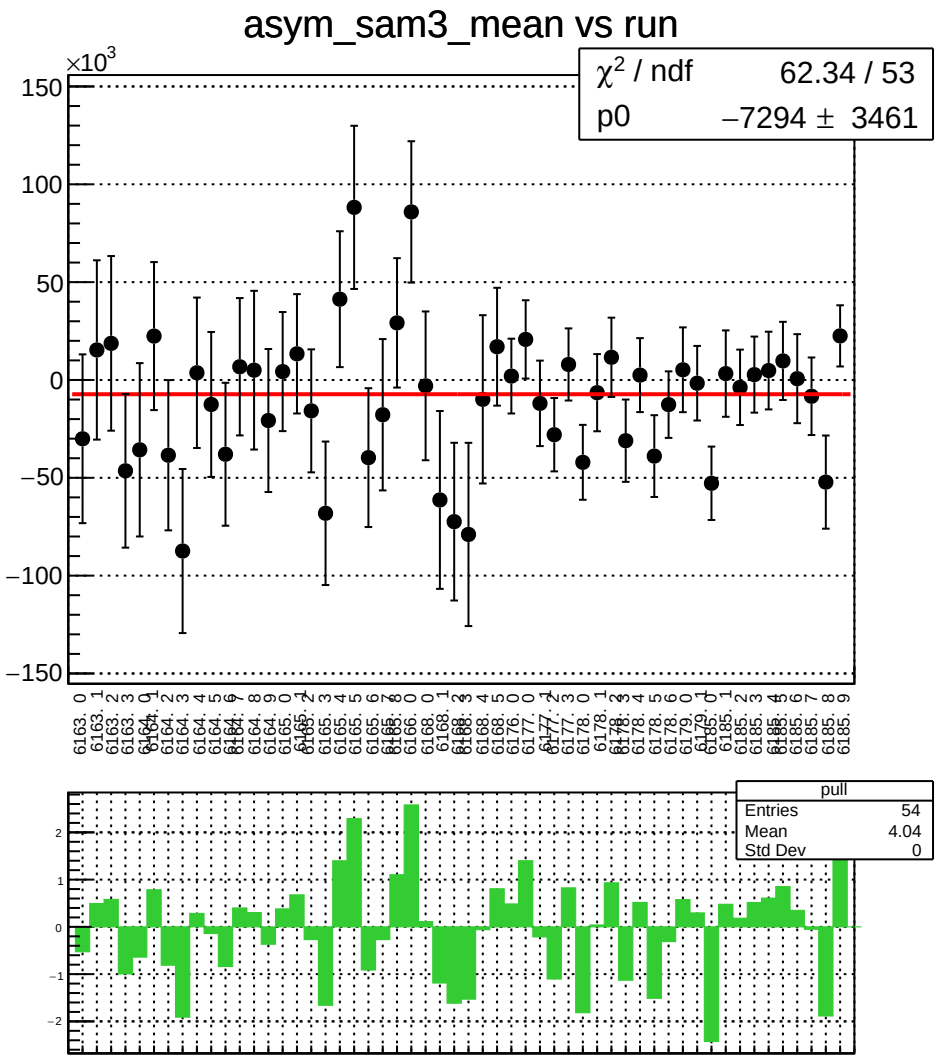

eigen_dit_asym_sam3_mean vs run
χ² / ndf 80.49 / 53
p0 −302.3 ± 221.4
10000
5000
0
−5000
−10000
pull
Entries 54
Mean 55.89
Std Dev 38.09
2
1
0
−1
−2
−3

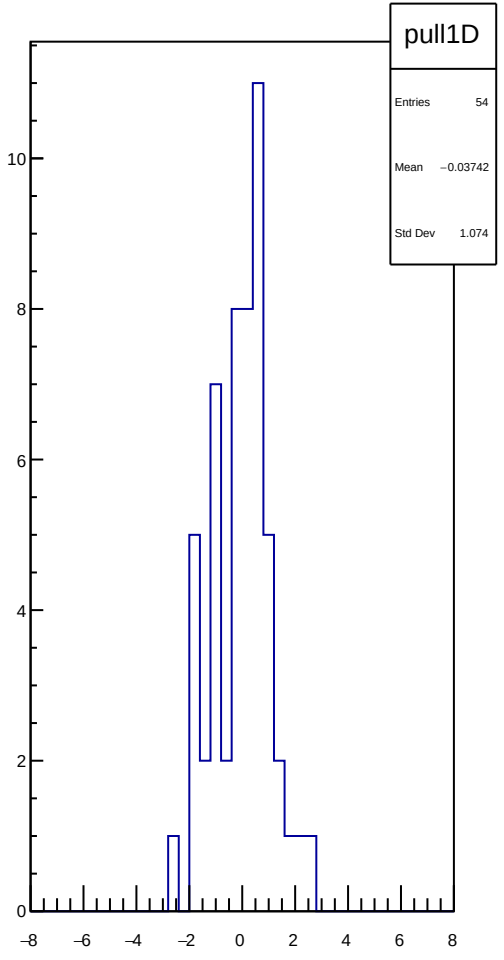

pull1D
Entries 54
Mean −0.02228
Std Dev 1.221
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

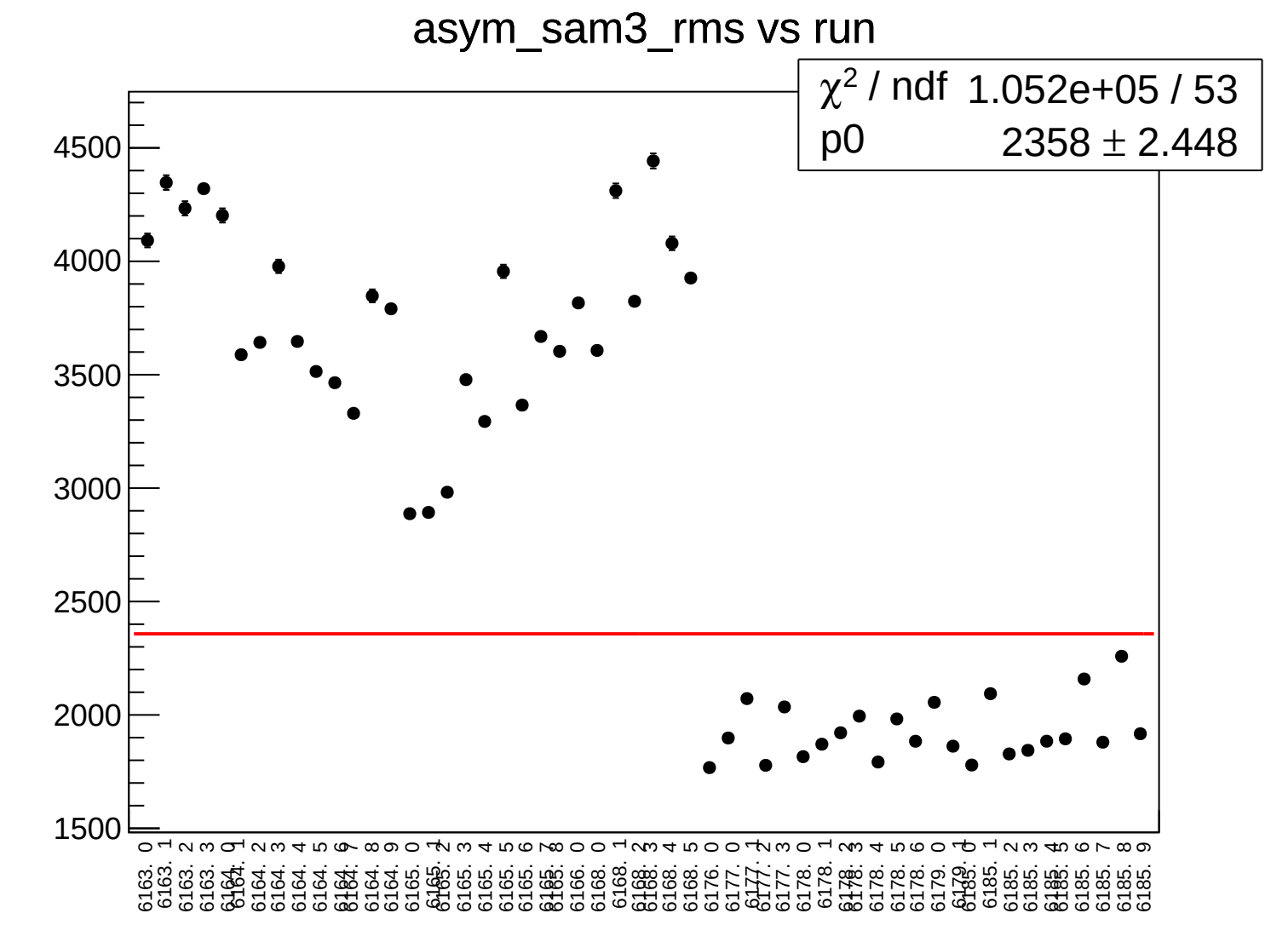

eigen_dit_asym_sam3_rms vs run
χ² / ndf 7.997e+04 / 53
p0 152.8 ± 0.1565
450
400
350
300
250
200
150
100
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

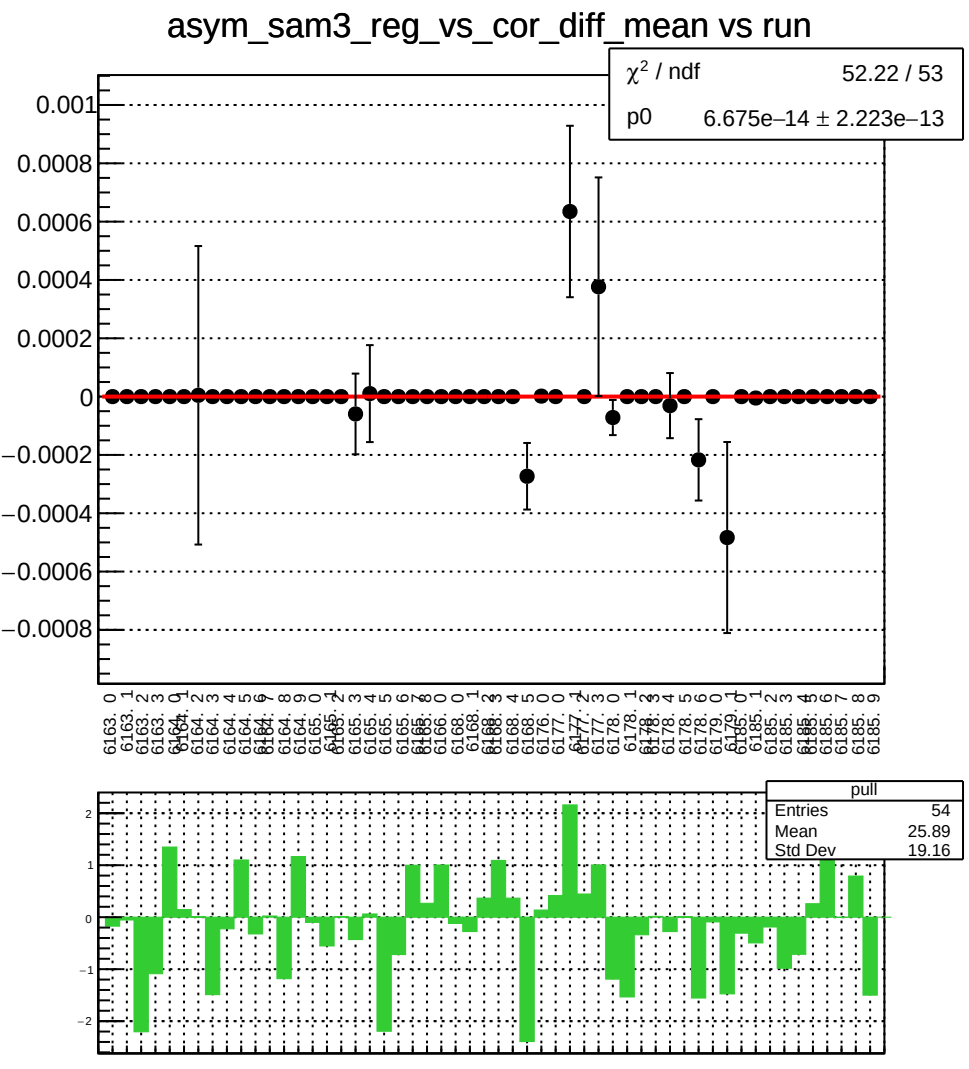

asym_sam3_eigen_dit_correction_mean vs run
×10^3
χ^2 / ndf 60.34 / 53
p0 6956 ± 3361
150
100
50
0
−50
−100
pull
Entries 54
Mean 2.022
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 54
Mean 0.03436
Std Dev 1.057
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

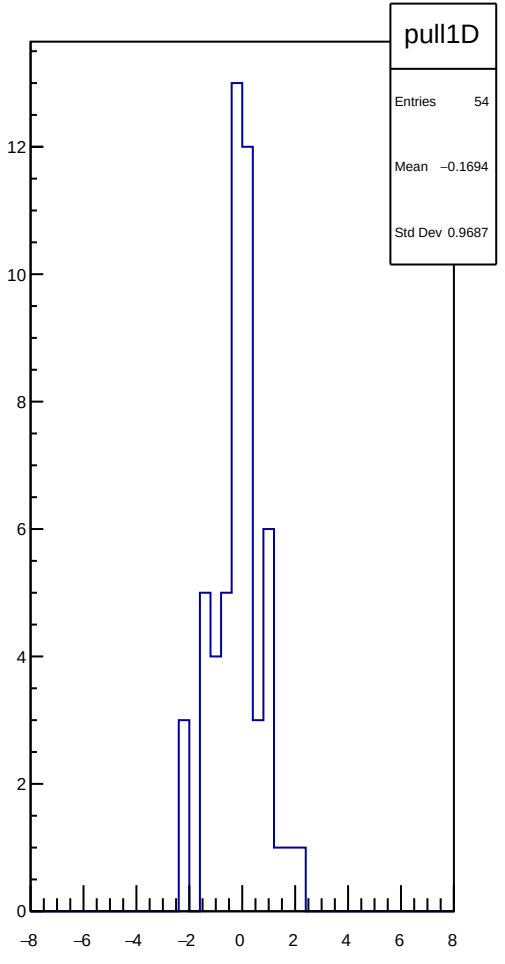

asym_sam3_eigen_dit_correction_rms vs run
χ² / ndf 1.076e+05 / 53
p0 2286 ± 2.376
4500
4000
3500
3000
2500
2000
1500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

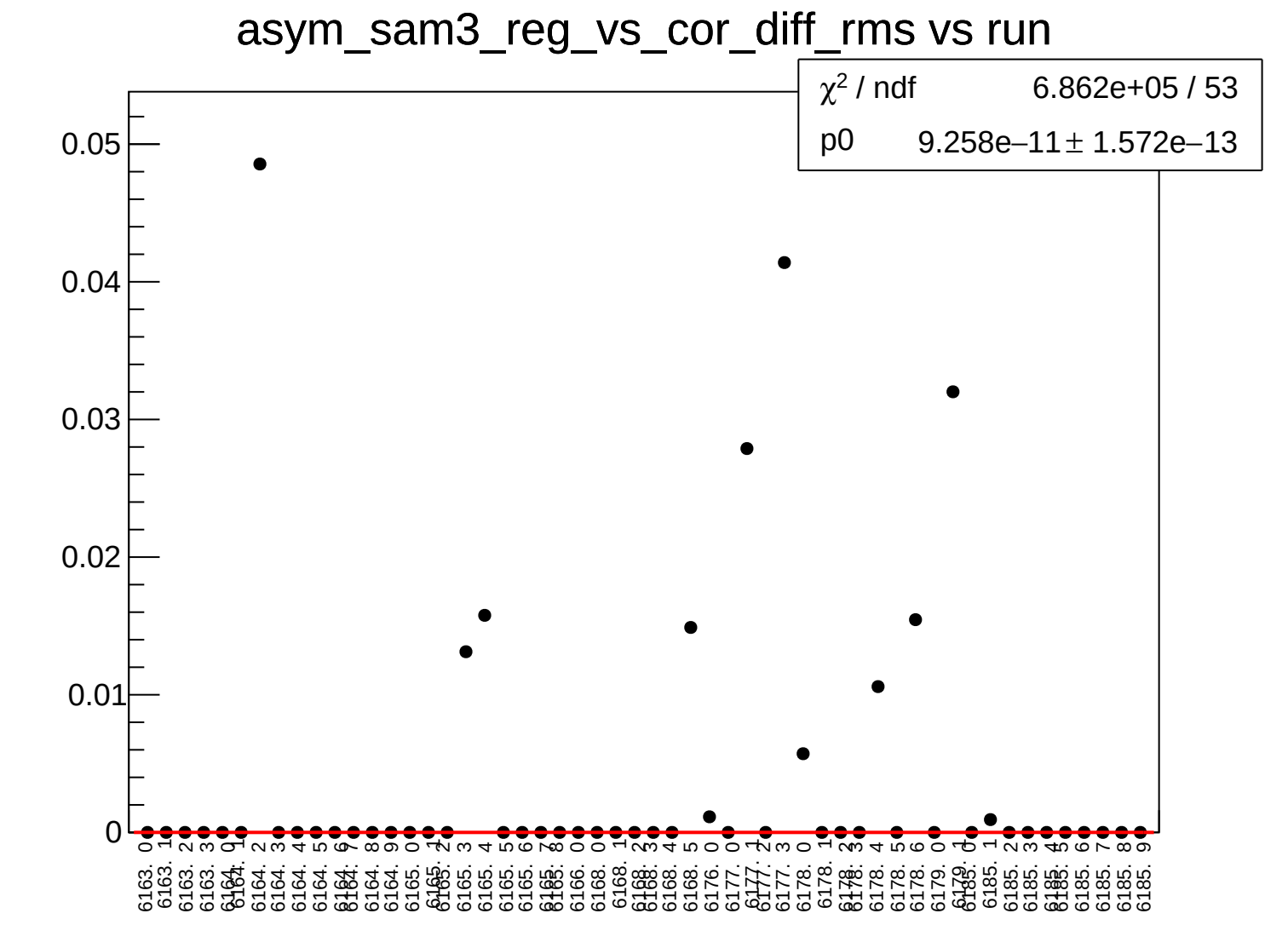

asym_sam3_mean vs run
×10^3
χ² / ndf 62.34 / 53
p0 −7294 ± 3461
150
100
50
0
−50
−100
−150
pull
Entries 54
Mean 4.04
Std Dev 0
2
1
0
−1
−2

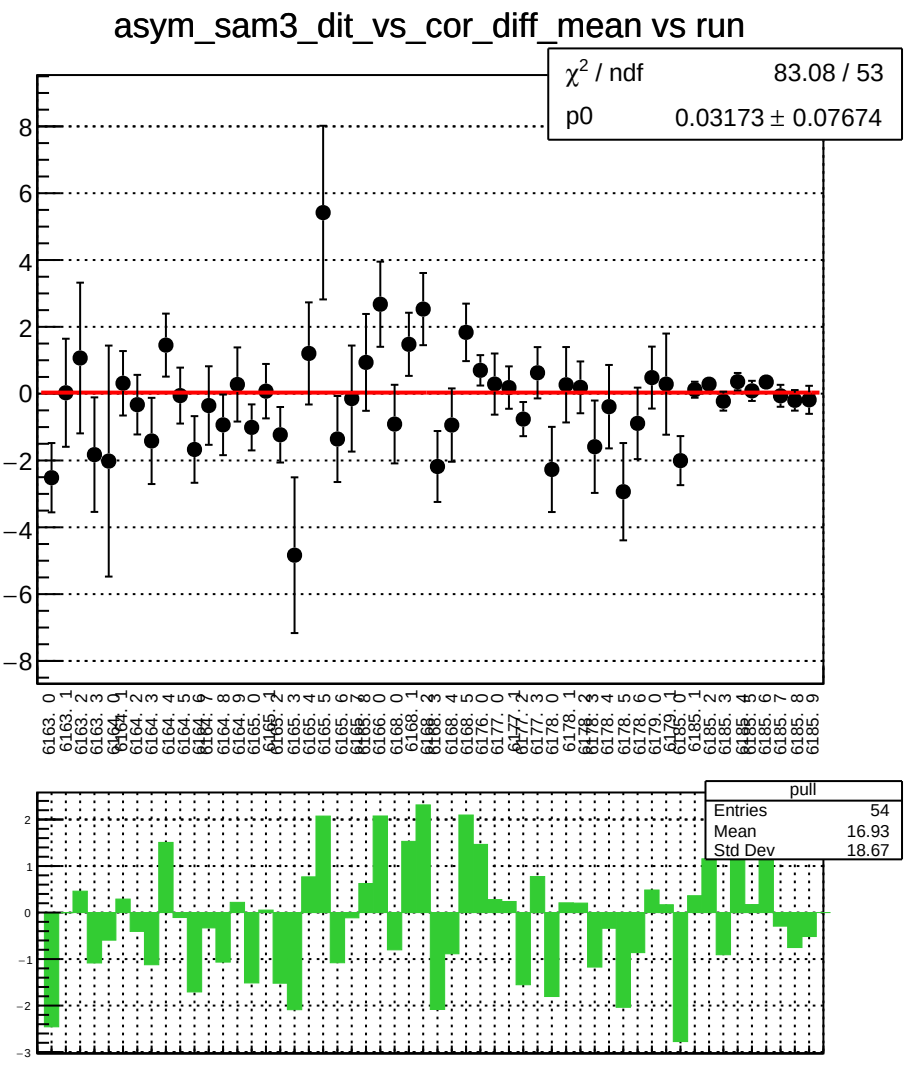

pull1D
Entries 54
Mean −0.03742
Std Dev 1.074
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

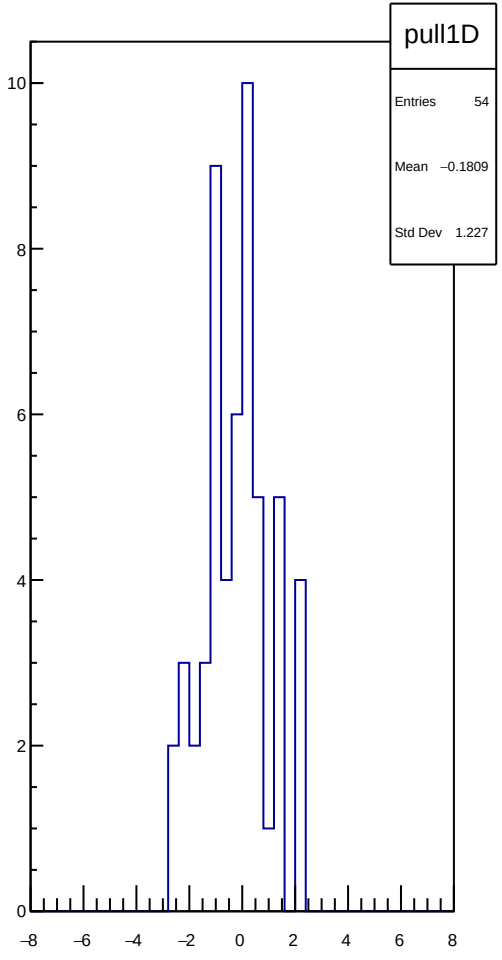

asym_sam3_rms vs run
χ² / ndf 1.052e+05 / 53
p0 2358 ± 2.448
4500
4000
3500
3000
2500
2000
1500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

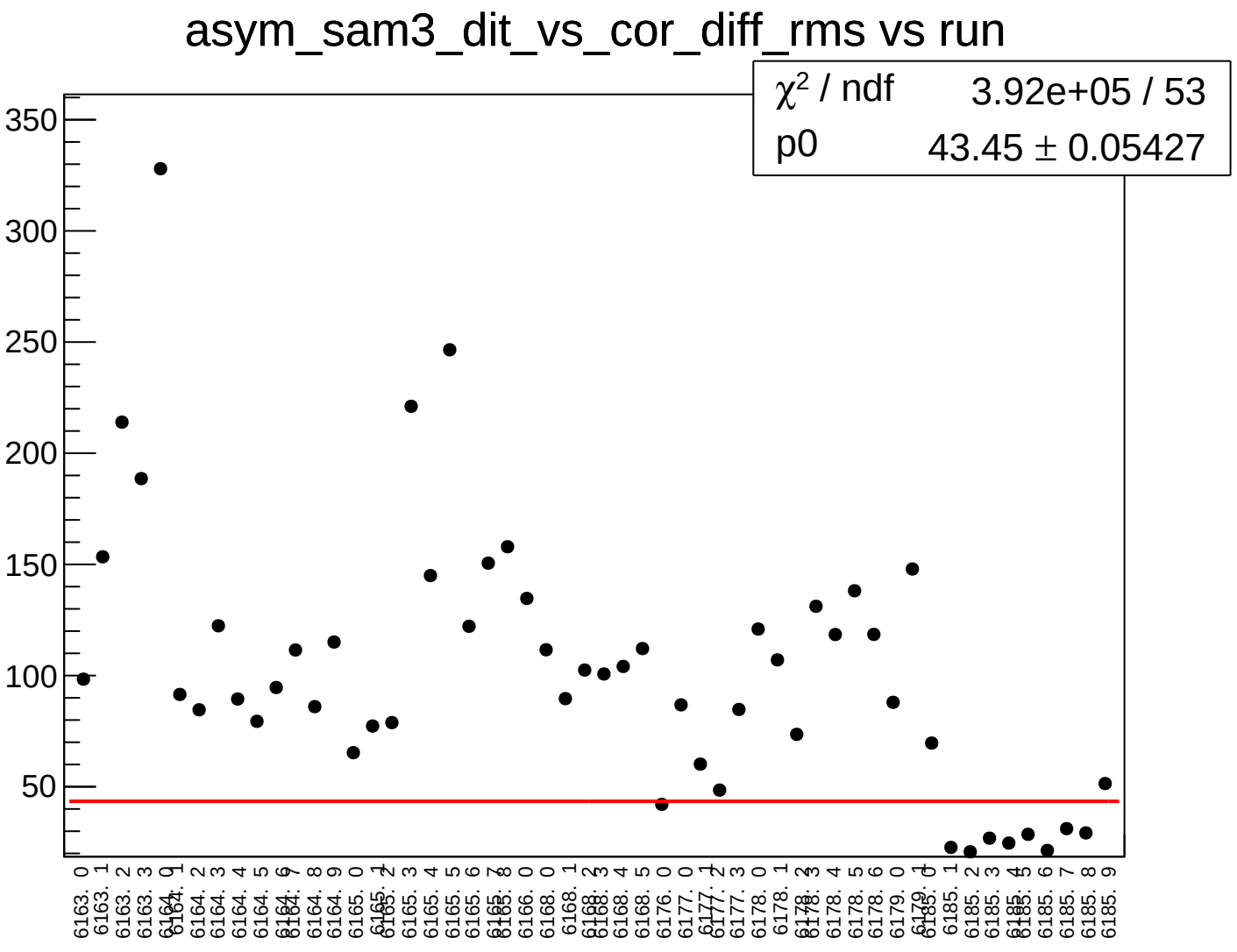

asym_sam3_reg_vs_cor_diff_mean vs run
χ² / ndf 52.22 / 53
p0 6.675e−14 ± 2.223e−13
pull
Entries 54
Mean 25.89
Std Dev 19.16

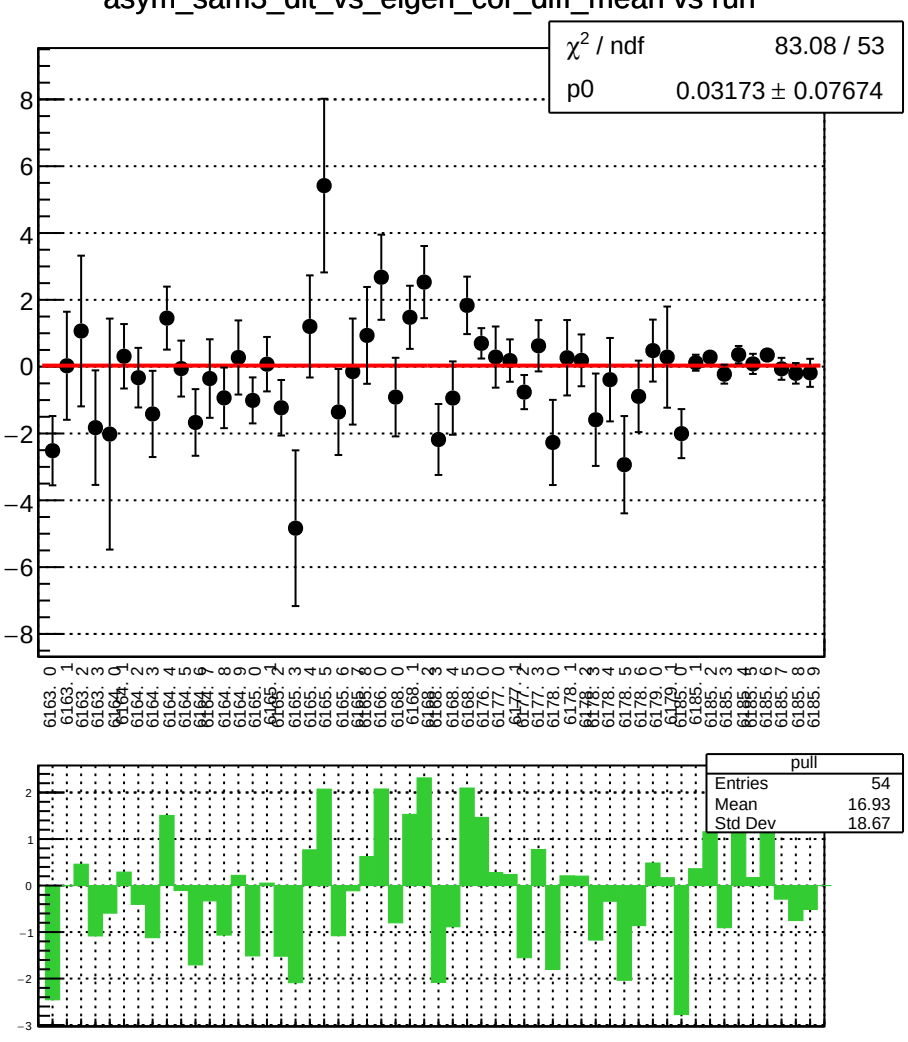

pull1D
Entries 54
Mean −0.1694
Std Dev 0.9687

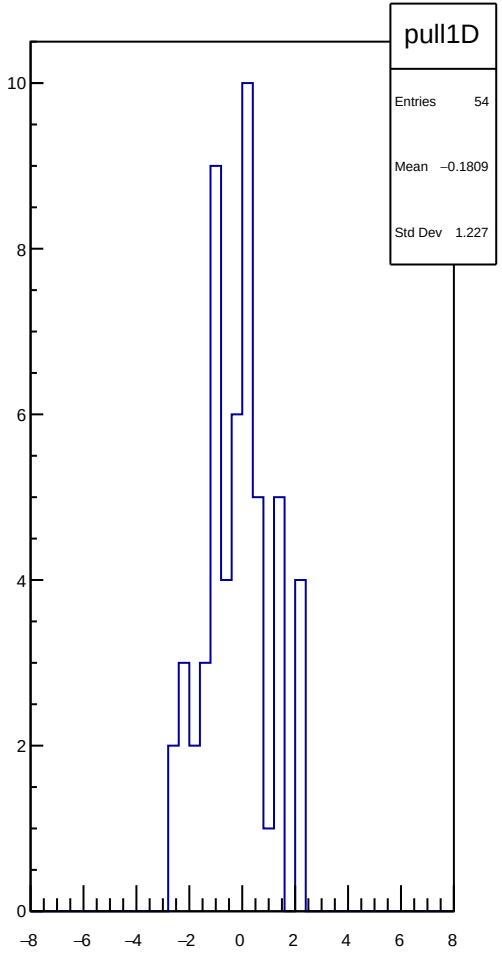

asym_sam3_reg_vs_cor_diff_rms vs run
χ² / ndf 6.862e+05 / 53
p0 9.258e−11 ± 1.572e−13
0.05
0.04
0.03
0.02
0.01
0
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

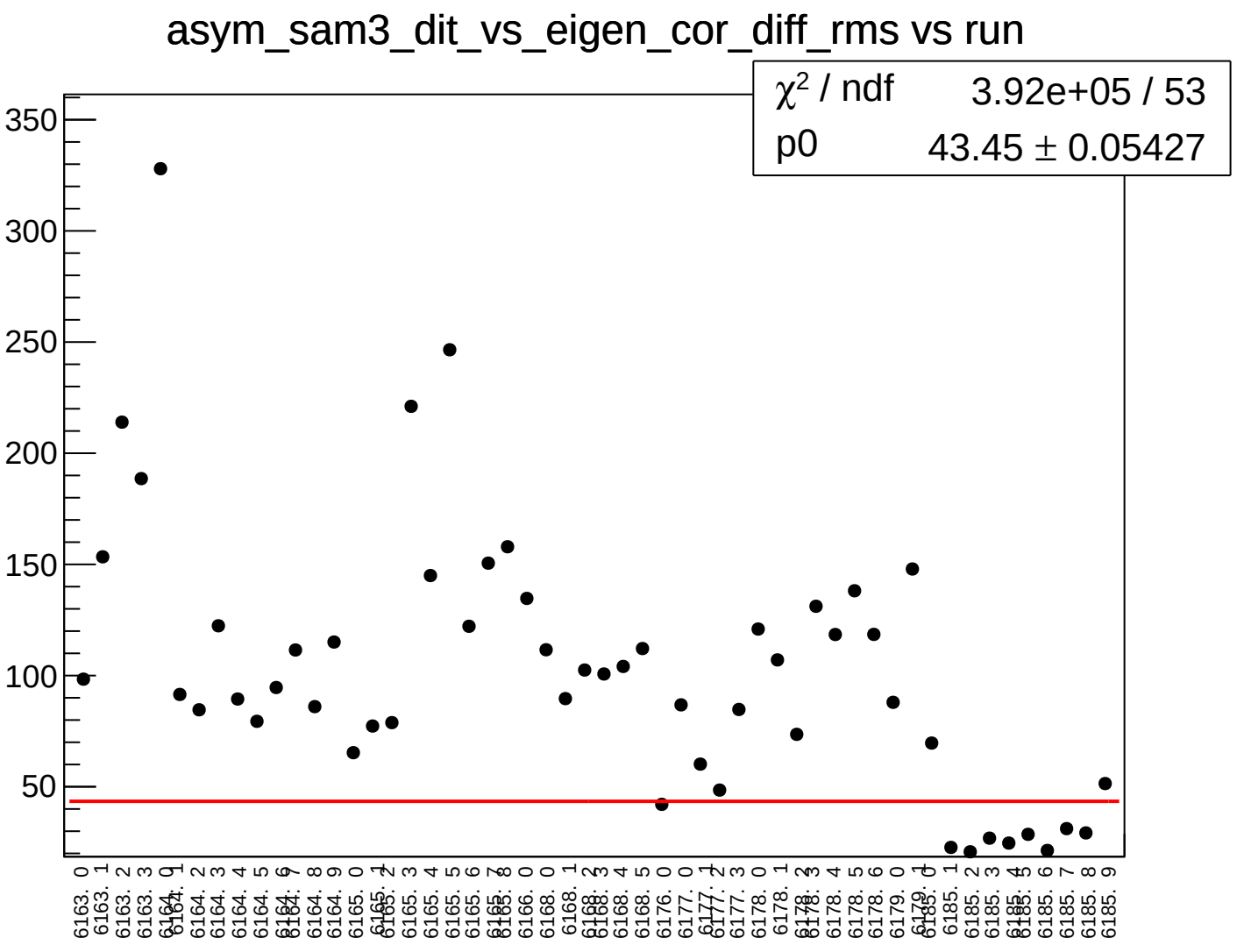

asym_sam3_dit_vs_cor_diff_mean vs run
χ² / ndf 83.08 / 53
p0 0.03173 ± 0.07674
pull
Entries 54
Mean 16.93
Std Dev 18.67

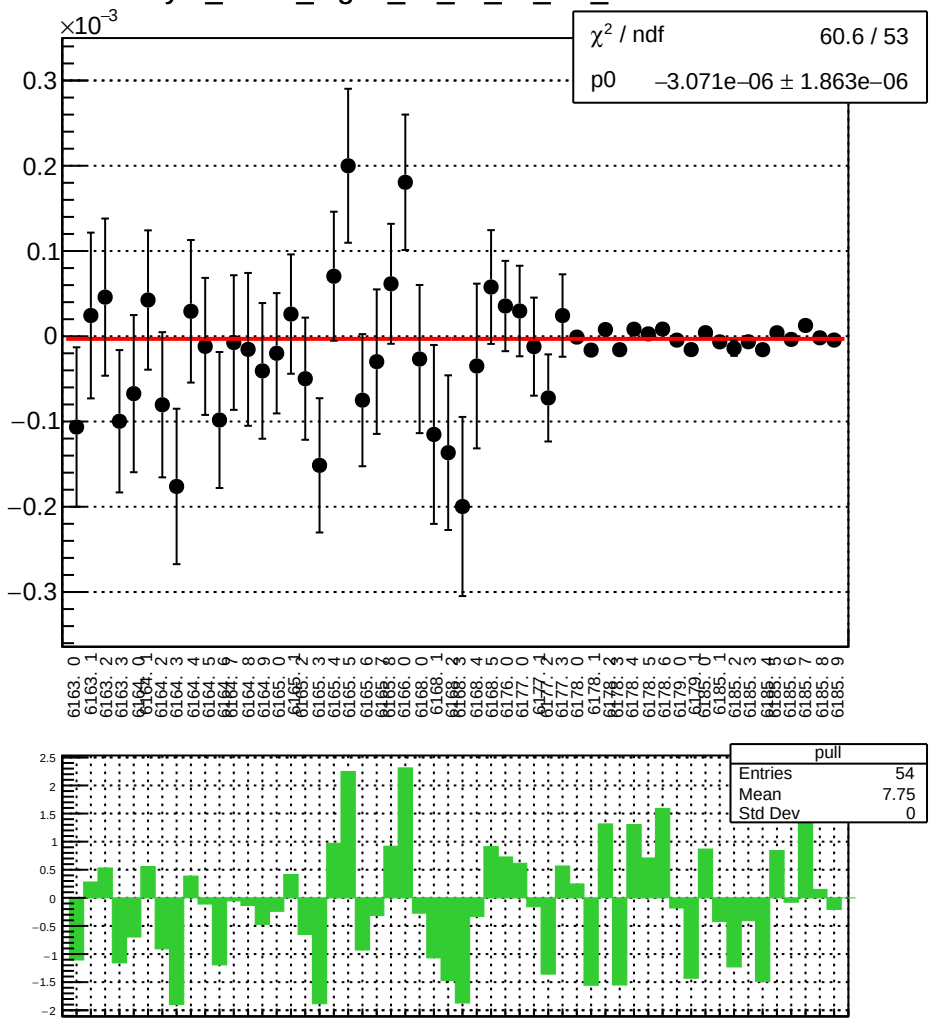

pull1D
Entries 54
Mean −0.1809
Std Dev 1.227

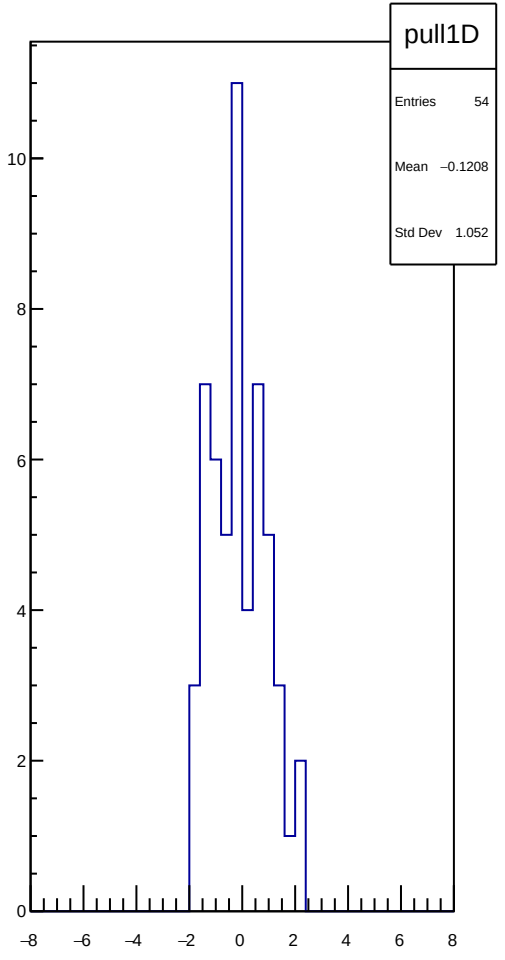

asym_sam3_dit_vs_cor_diff_rms vs run
χ² / ndf 3.92e+05 / 53
p0 43.45 ± 0.05427
350
300
250
200
150
100
50
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

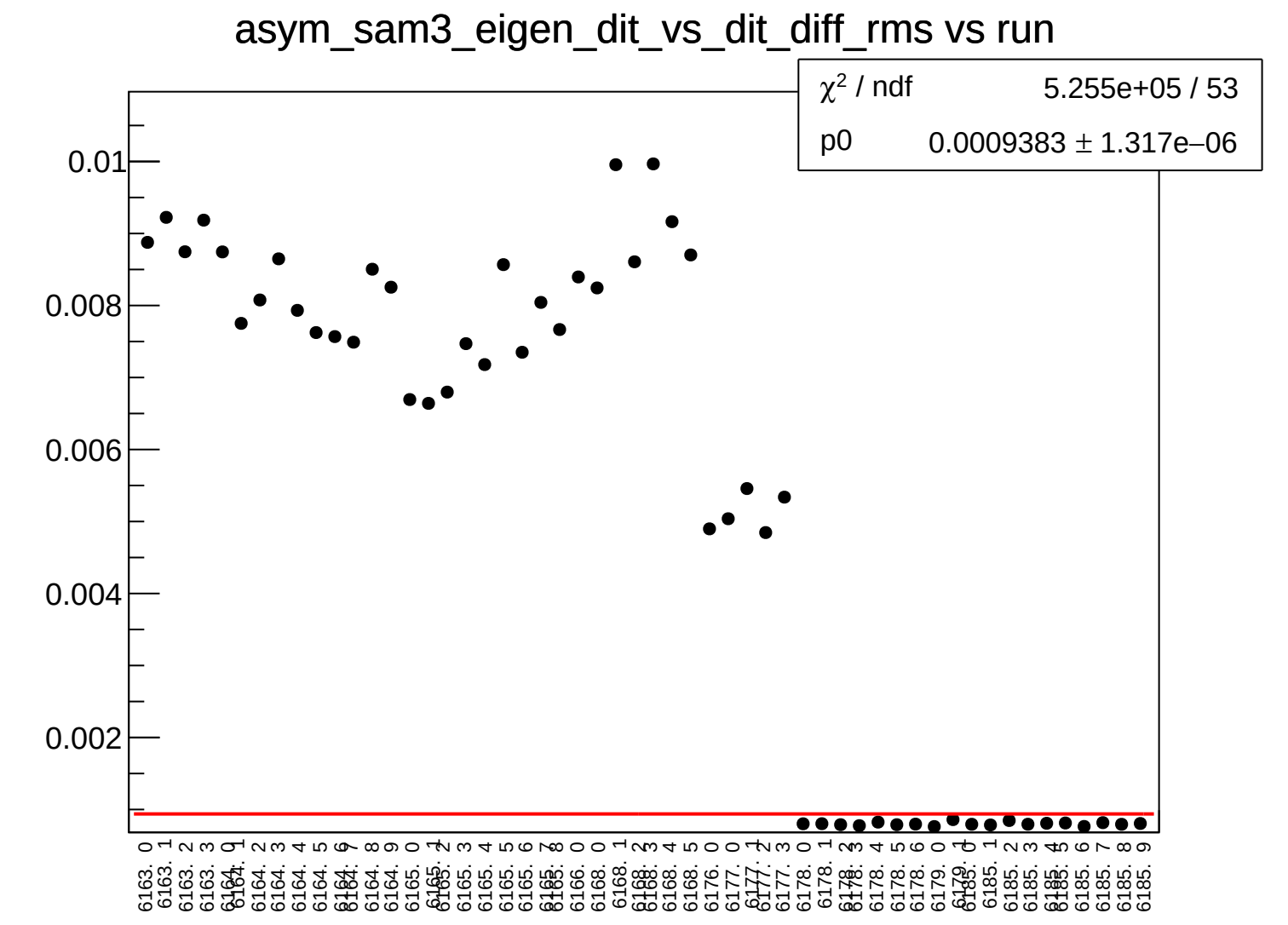

asym_sam3_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 83.08 / 53
p0 0.03173 ± 0.07674
pull
Entries 54
Mean 16.93
Std Dev 18.67

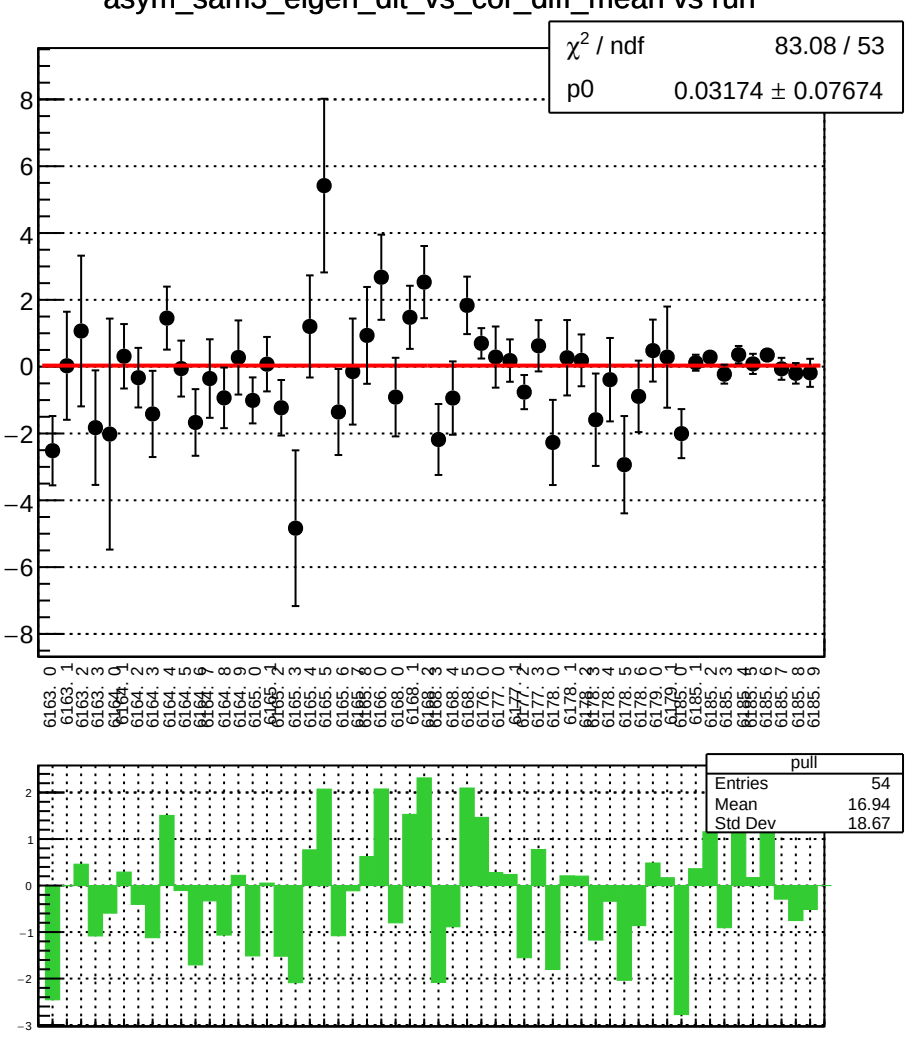

pull1D
Entries 54
Mean −0.1809
Std Dev 1.227

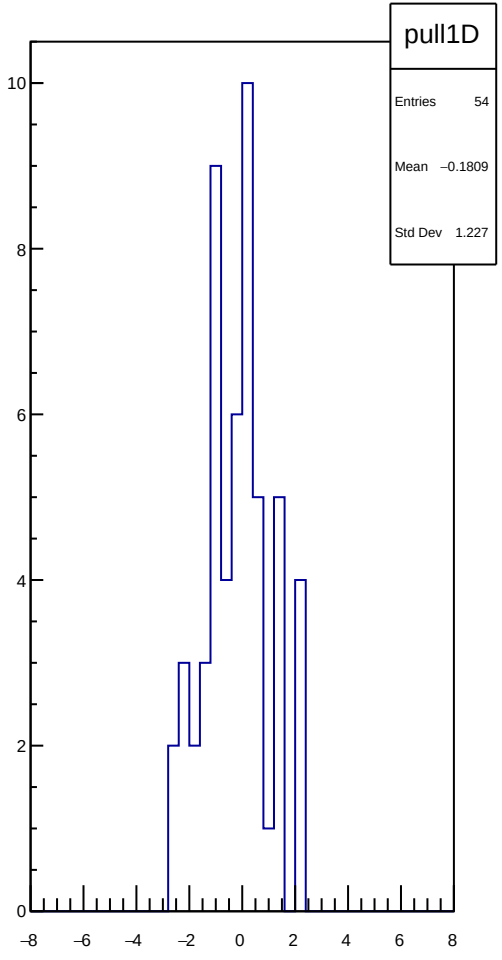

asym_sam3_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.92e+05 / 53
p0 43.45 ± 0.05427
350
300
250
200
150
100
50
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

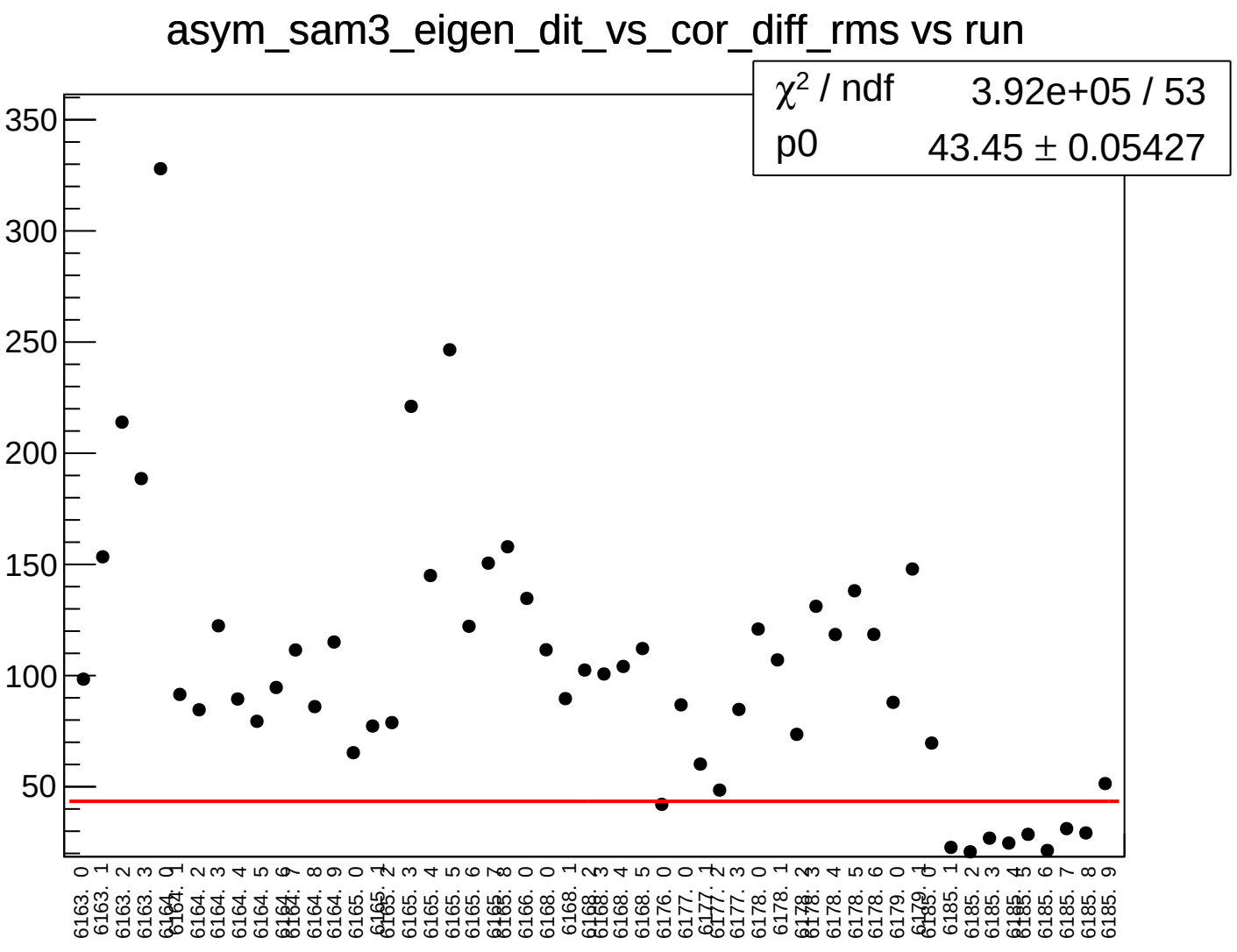

asym_sam3_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 60.6 / 53
p0 −3.071e−06 ± 1.863e−06
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
pull
Entries 54
Mean 7.75
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 54
Mean −0.1208
Std Dev 1.052
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 5.255e+05 / 53
p0 0.0009383 ± 1.317e−06
0.01
0.008
0.006
0.004
0.002
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


asym_sam3_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 83.08 / 53
p0 0.03174 ± 0.07674
pull
Entries 54
Mean 16.94
Std Dev 18.67


pull1D
Entries 54
Mean −0.1809
Std Dev 1.227


asym_sam3_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.92e+05 / 53
p0 43.45 ± 0.05427
350
300
250
200
150
100
50
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
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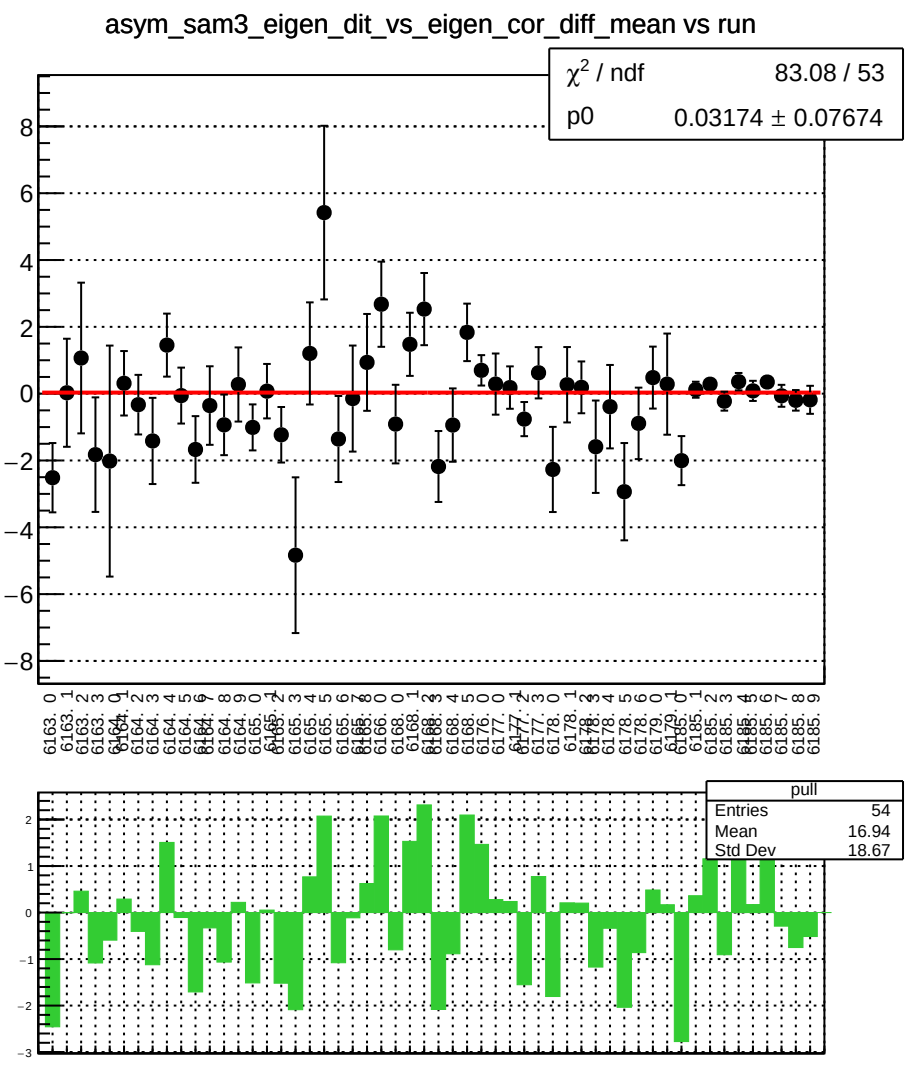
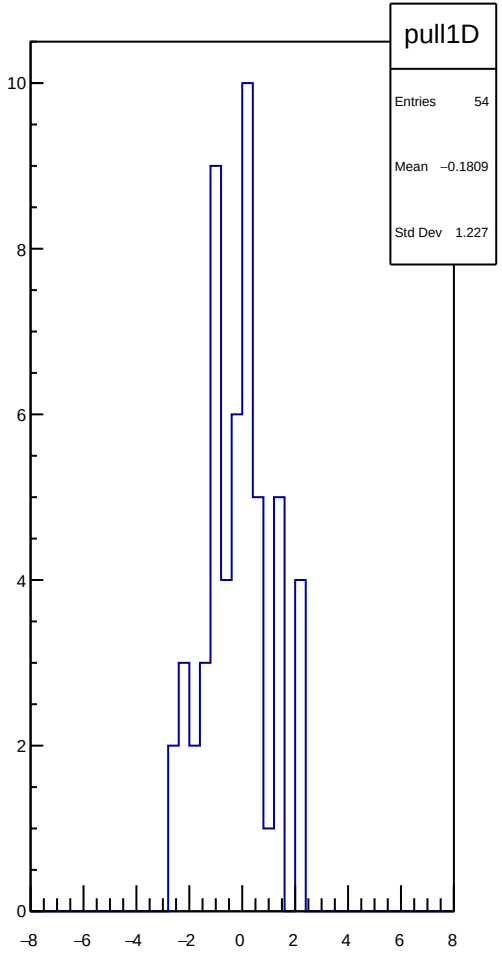
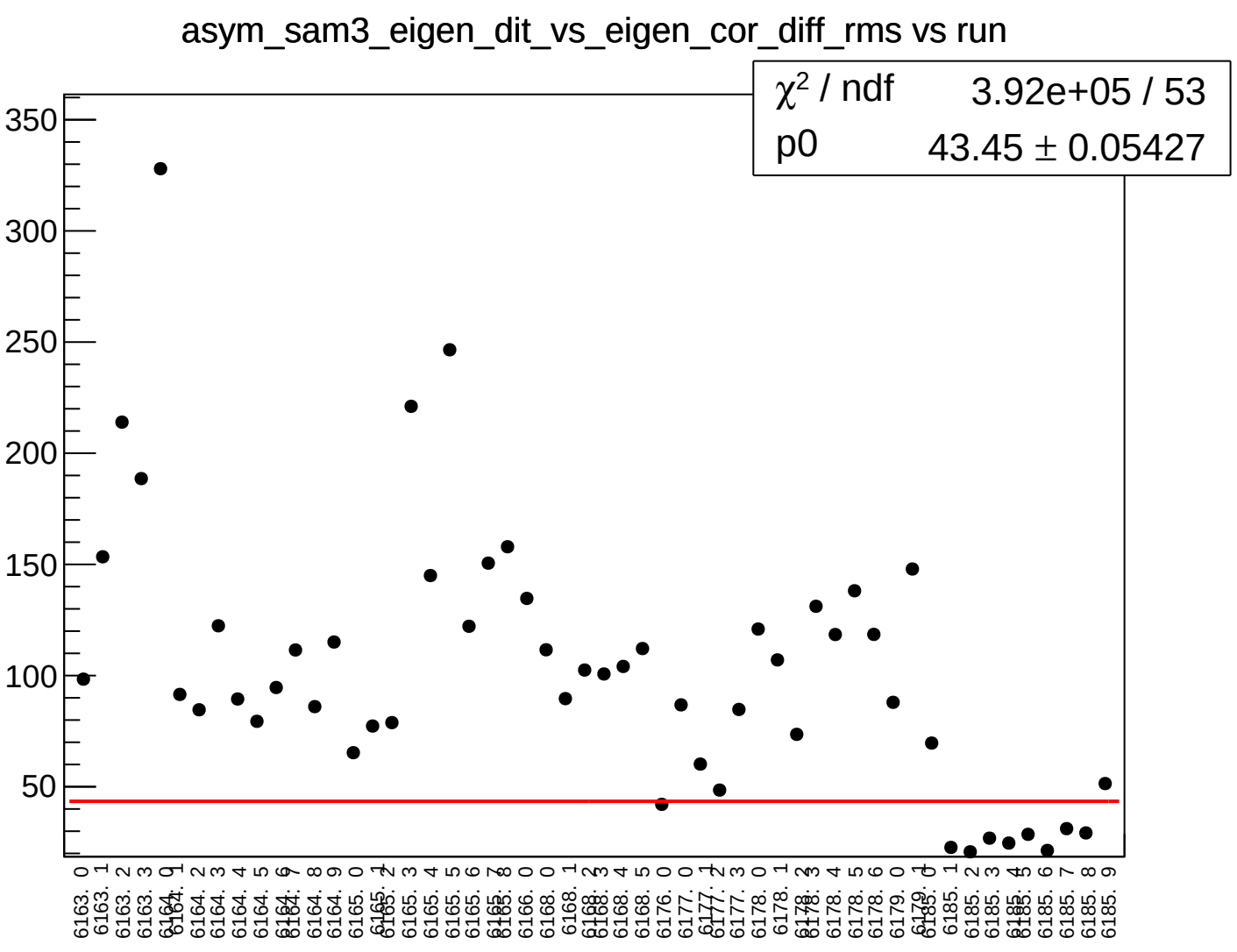
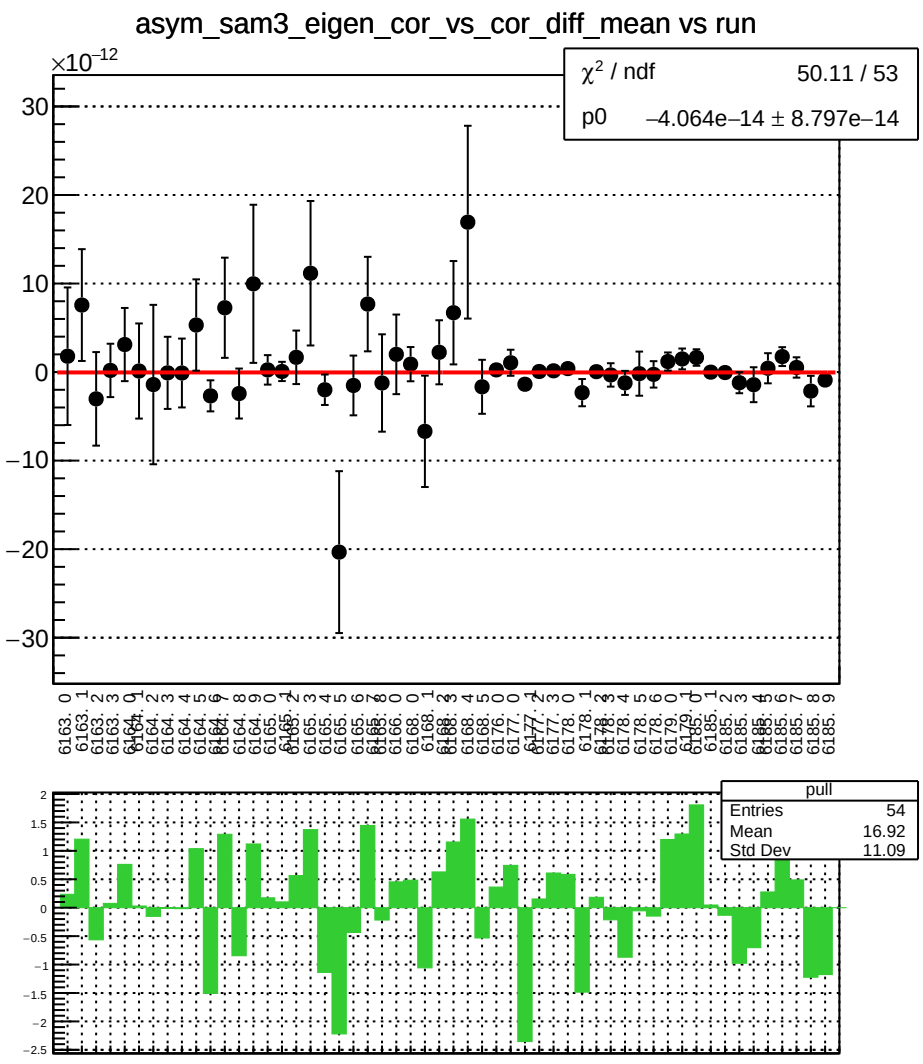
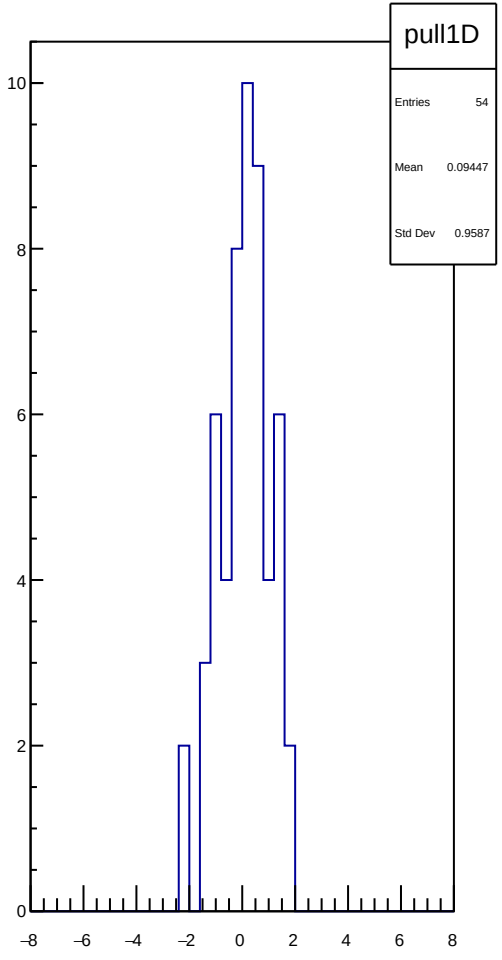
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

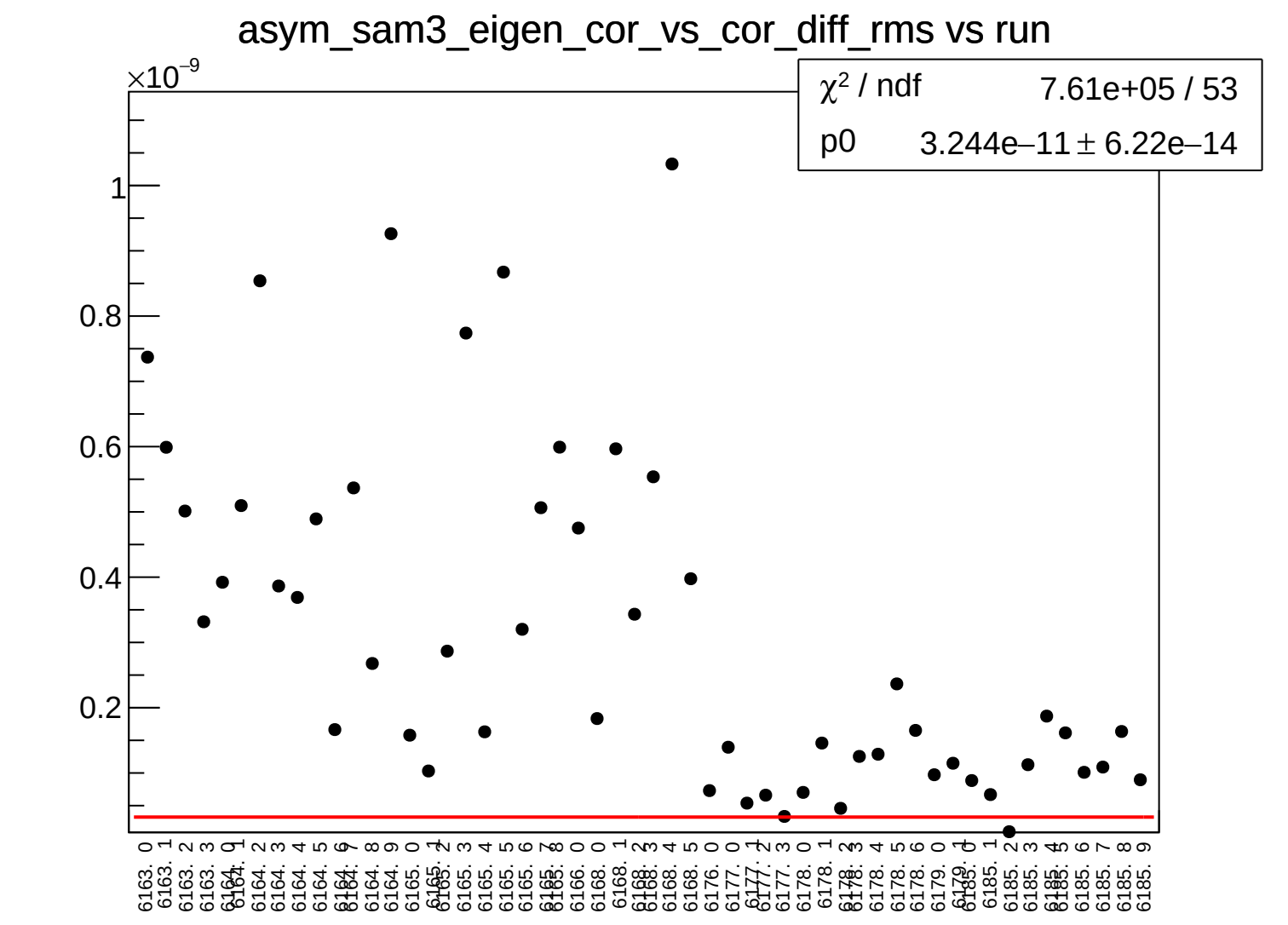

asym_sam3_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 83.08 / 53
p0 0.03174 ± 0.07674
pull
Entries 54
Mean 16.94
Std Dev 18.67

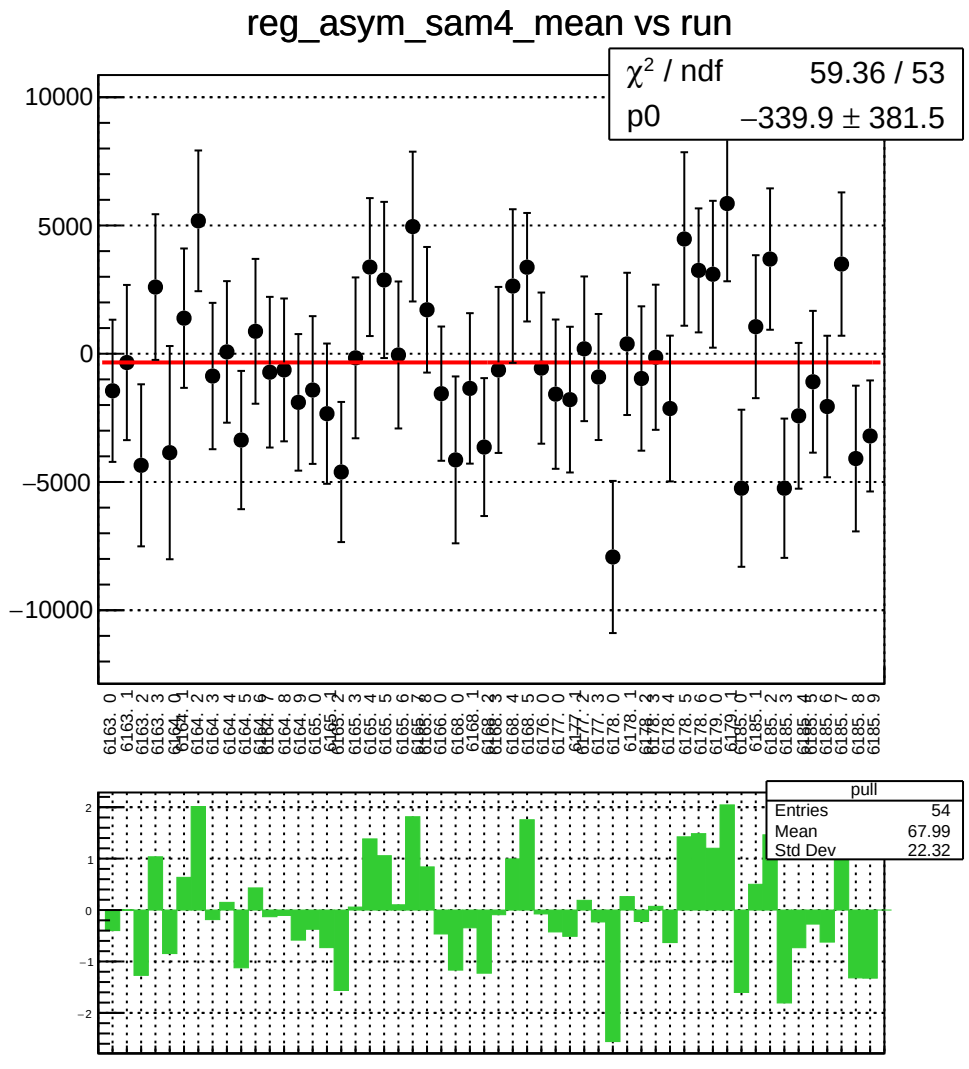

pull1D
Entries 54
Mean −0.1809
Std Dev 1.227

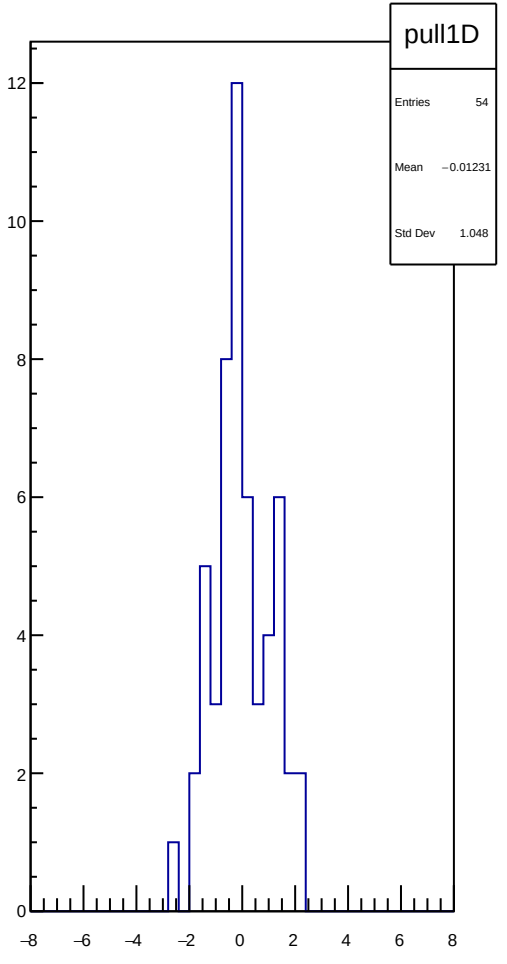

asym_sam3_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.92e+05 / 53
p0 43.45 ± 0.05427
350
300
250
200
150
100
50
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

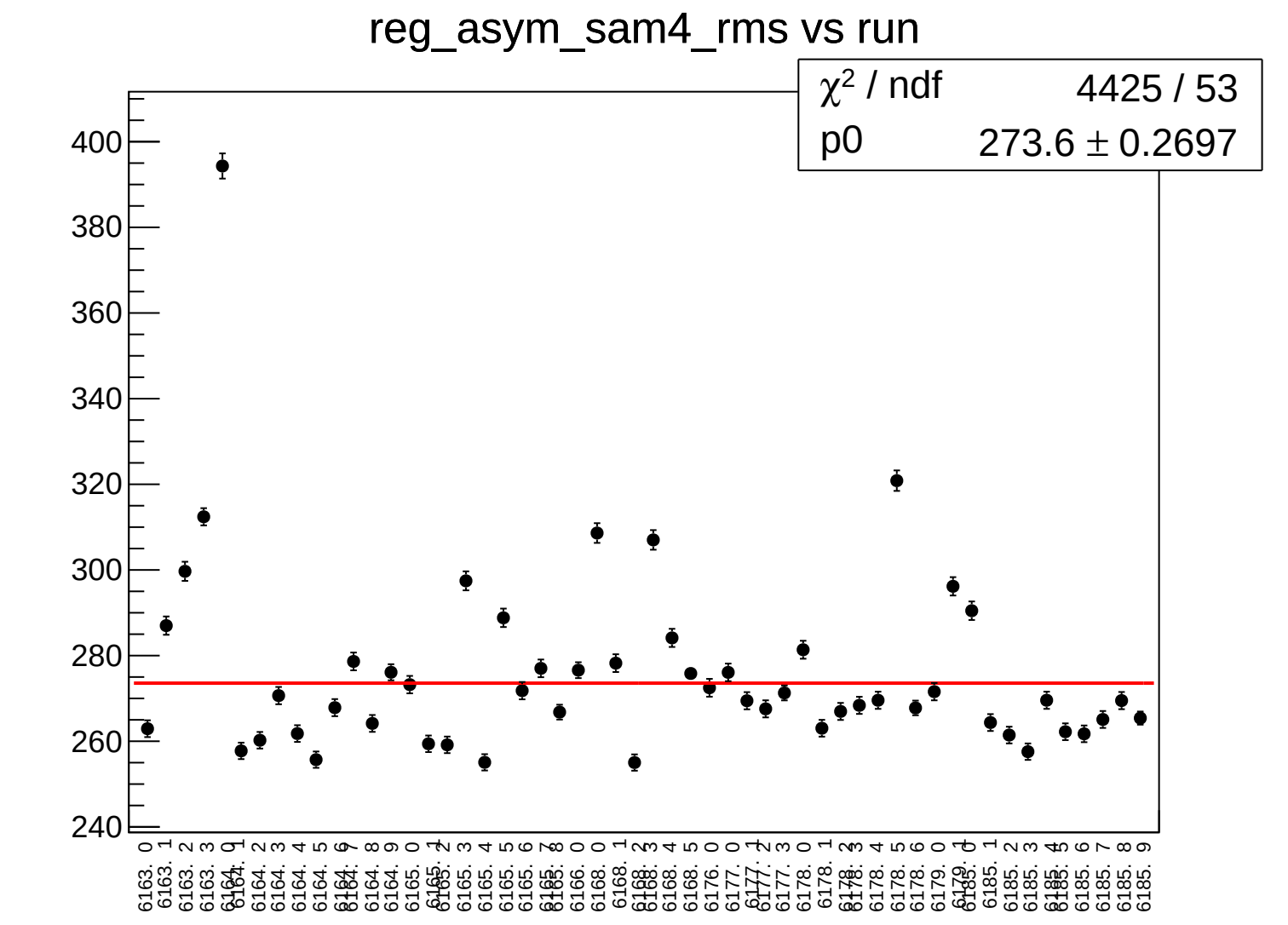

asym_sam3_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 50.11 / 53
p0 −4.064e−14 ± 8.797e−14
pull
Entries 54
Mean 16.92
Std Dev 11.09


pull1D
Entries 54
Mean 0.09447
Std Dev 0.9587


asym_sam3_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 7.61e+05 / 53
p0 3.244e−11 ± 6.22e−14
1
0.8
0.6
0.4
0.2
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


reg_asym_sam4_mean vs run
χ² / ndf 59.36 / 53
p0 −339.9 ± 381.5
10000
5000
0
−5000
−10000
pull
Entries 54
Mean 67.99
Std Dev 22.32
2
1
0
−1
−2


pull1D
Entries 54
Mean −0.01231
Std Dev 1.048
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_sam4_rms vs run
χ² / ndf 4425 / 53
p0 273.6 ± 0.2697
400
380
360
340
320
300
280
260
240
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
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6179. 0
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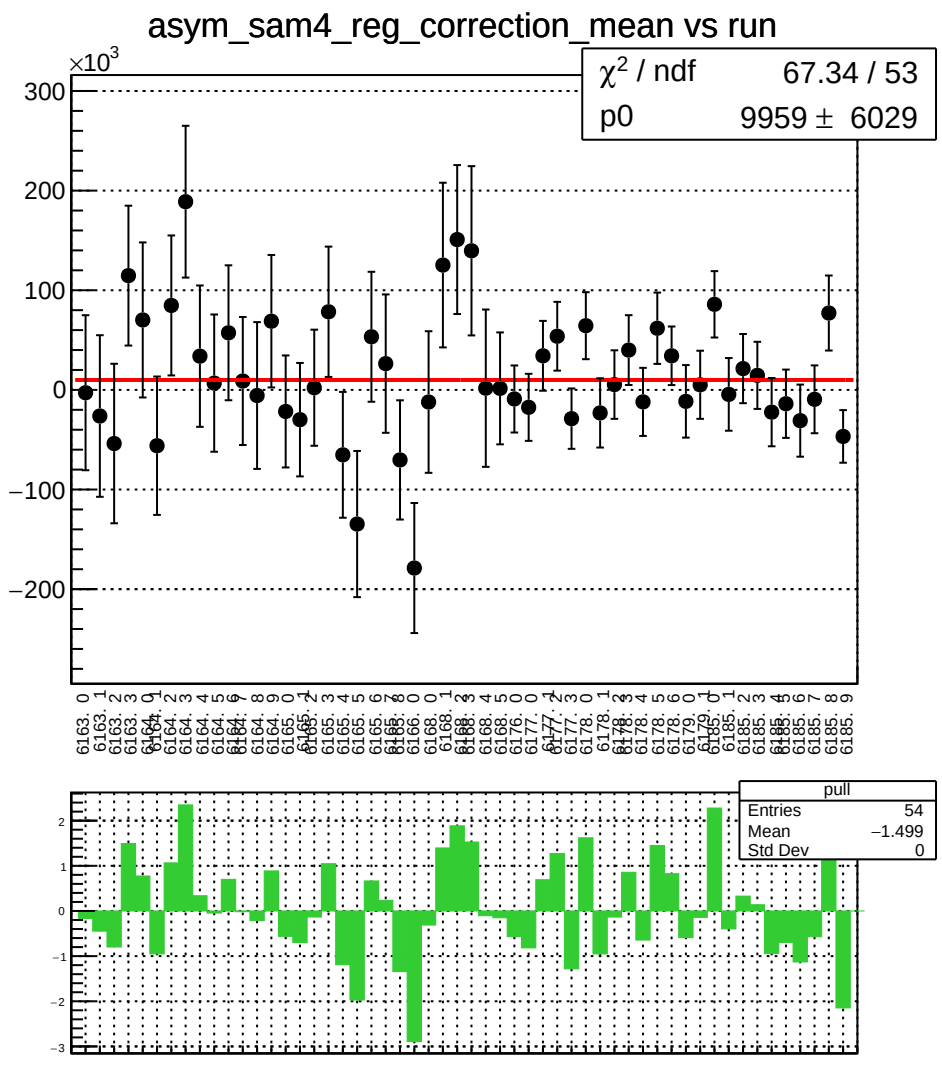
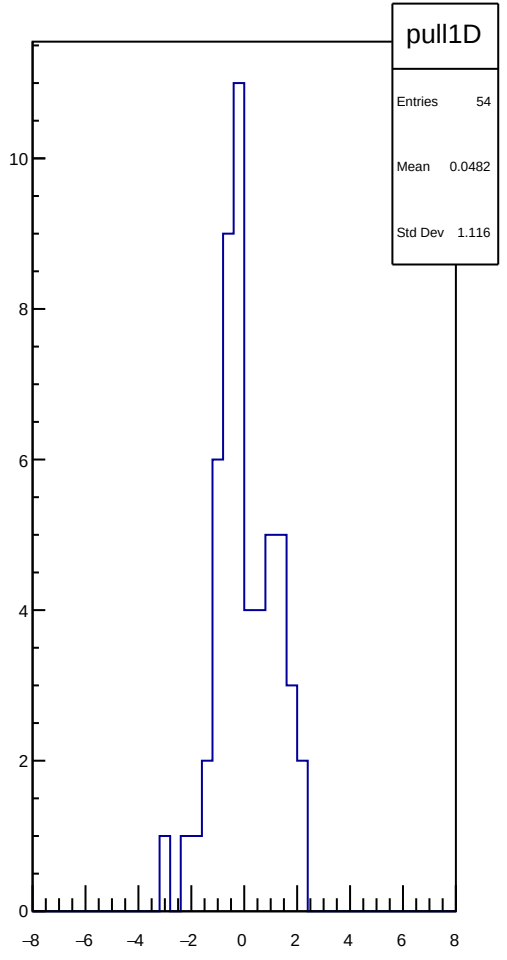
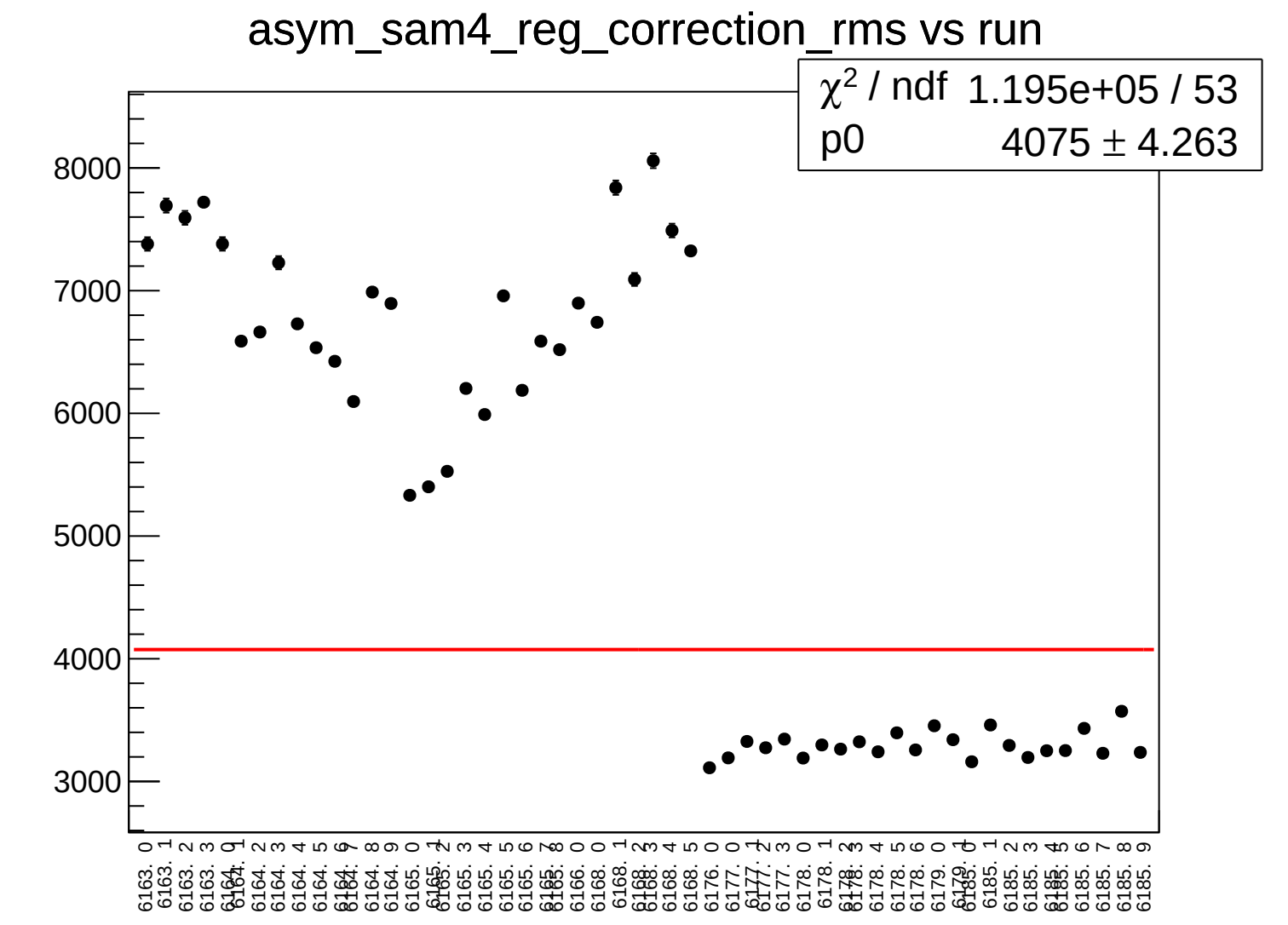
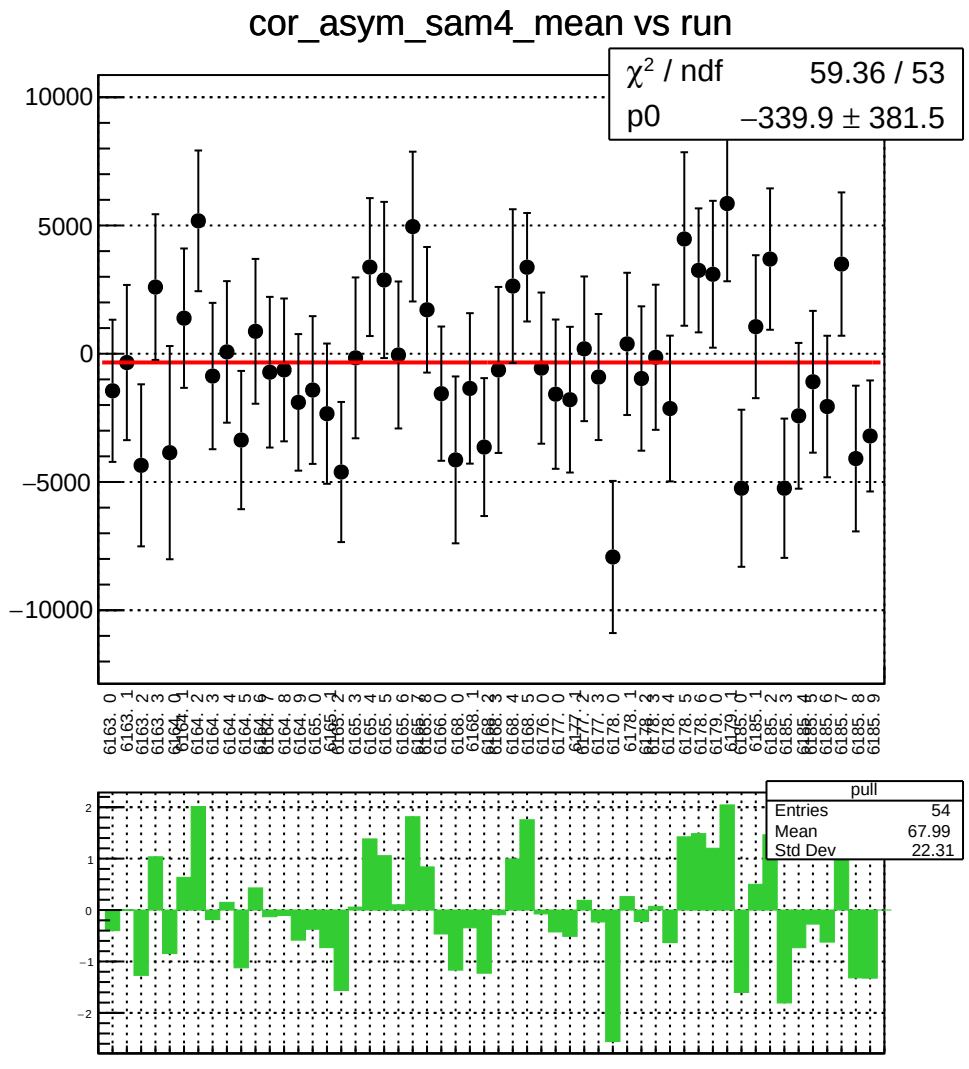
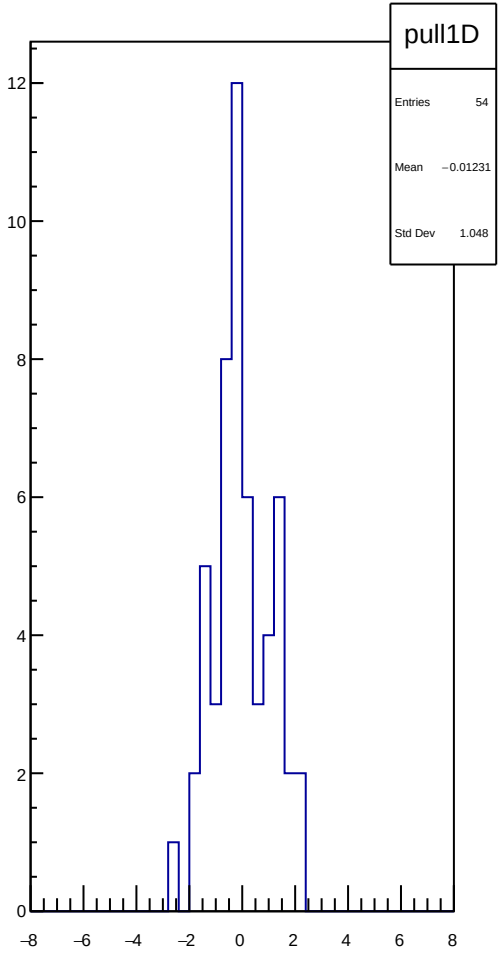
6185. 8
6185. 9

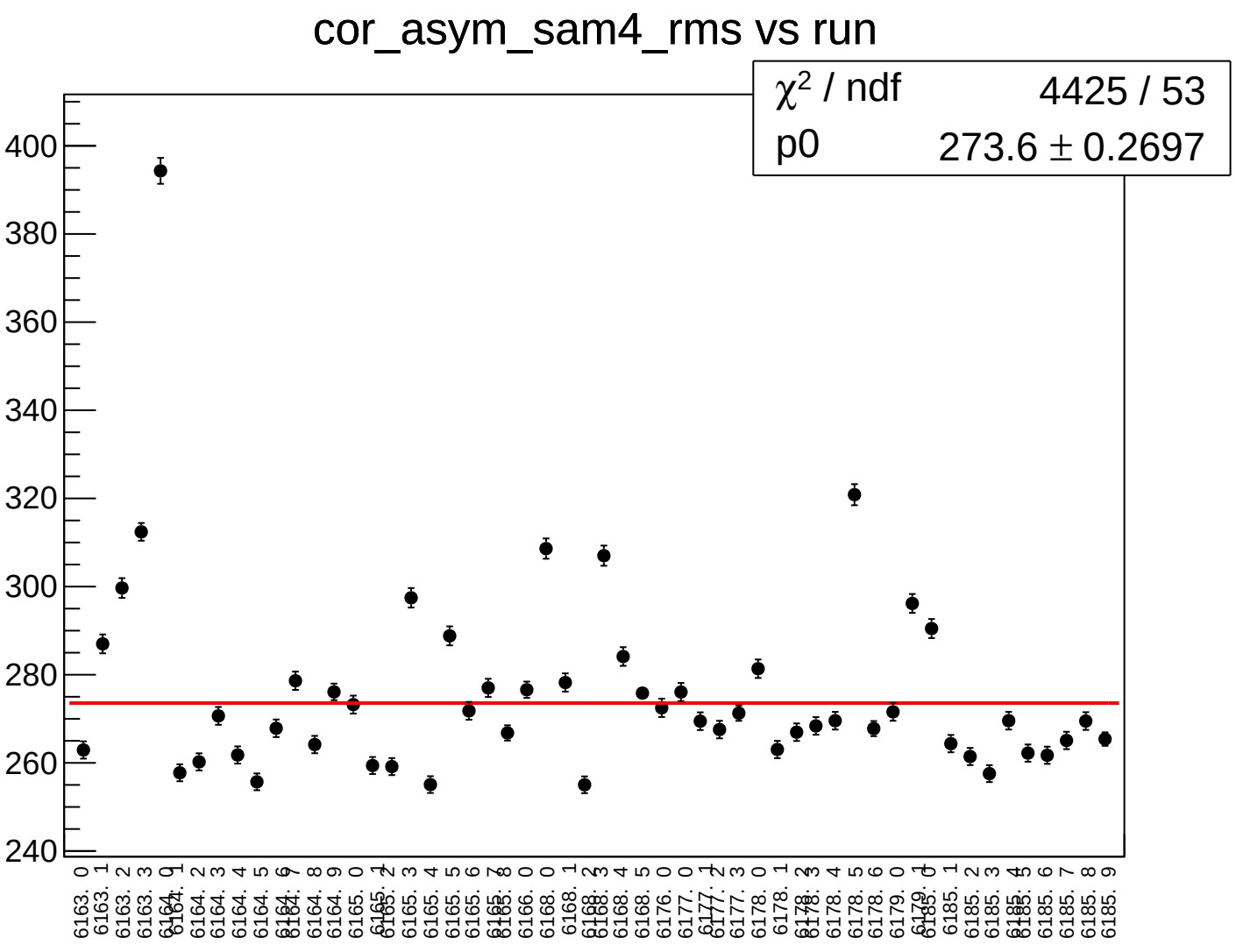

asym_sam4_reg_correction_mean vs run
×10^3
χ² / ndf 67.34 / 53
p0 9959 ± 6029
pull
Entries 54
Mean −1.499
Std Dev 0

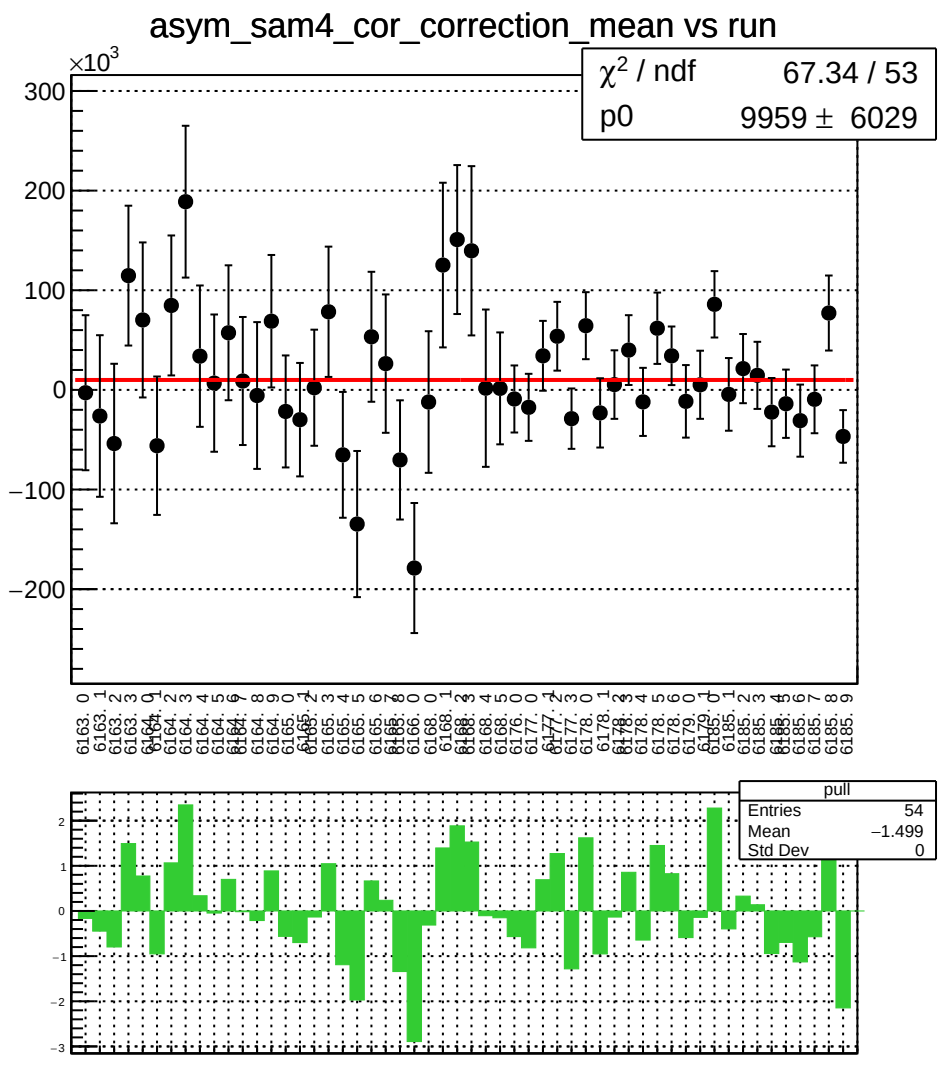

pull1D
Entries 54
Mean 0.0482
Std Dev 1.116

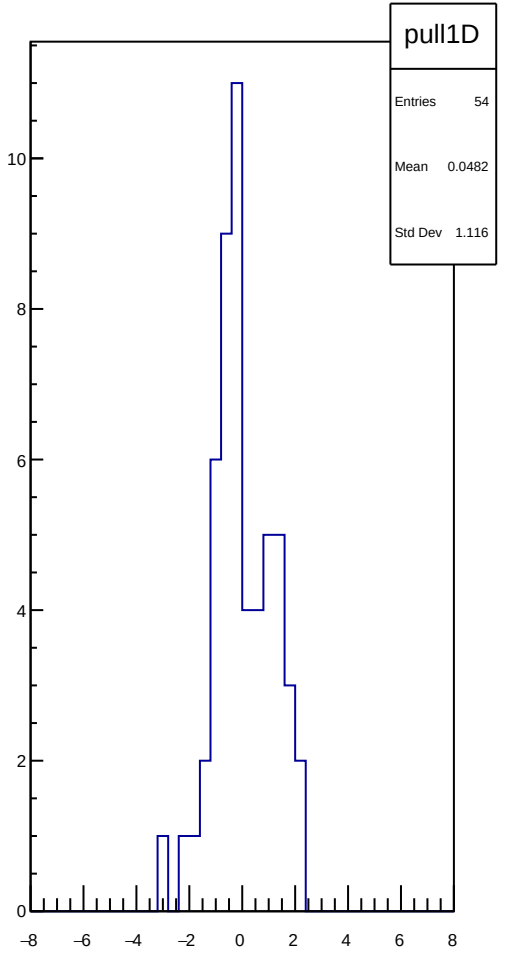

asym_sam4_reg_correction_rms vs run
χ² / ndf 1.195e+05 / 53
p0 4075 ± 4.263
8000
7000
6000
5000
4000
3000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

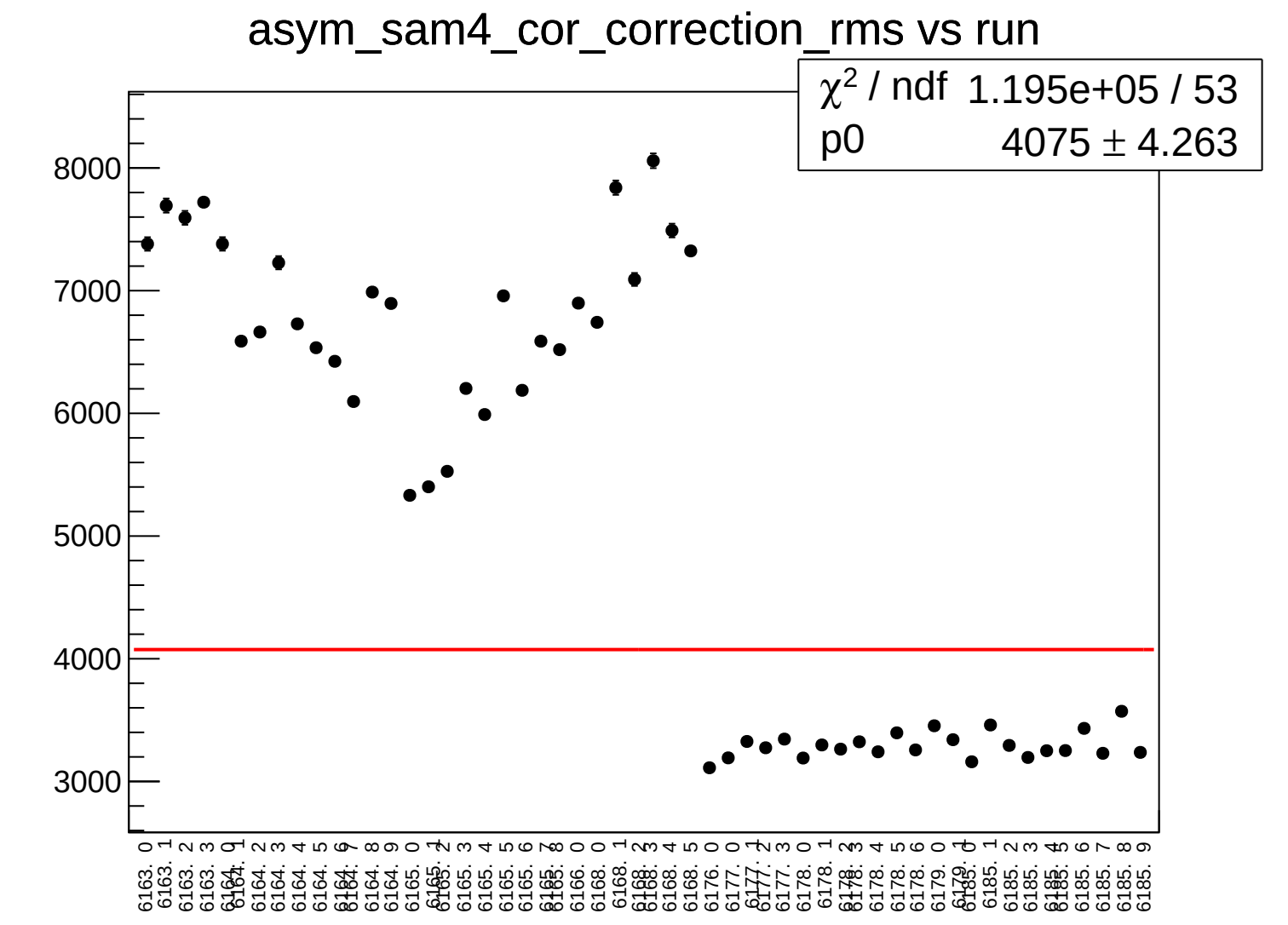

cor_asym_sam4_mean vs run
χ² / ndf 59.36 / 53
p0 −339.9 ± 381.5
10000
5000
0
−5000
−10000
pull
Entries 54
Mean 67.99
Std Dev 22.31
2
1
0
−1
−2

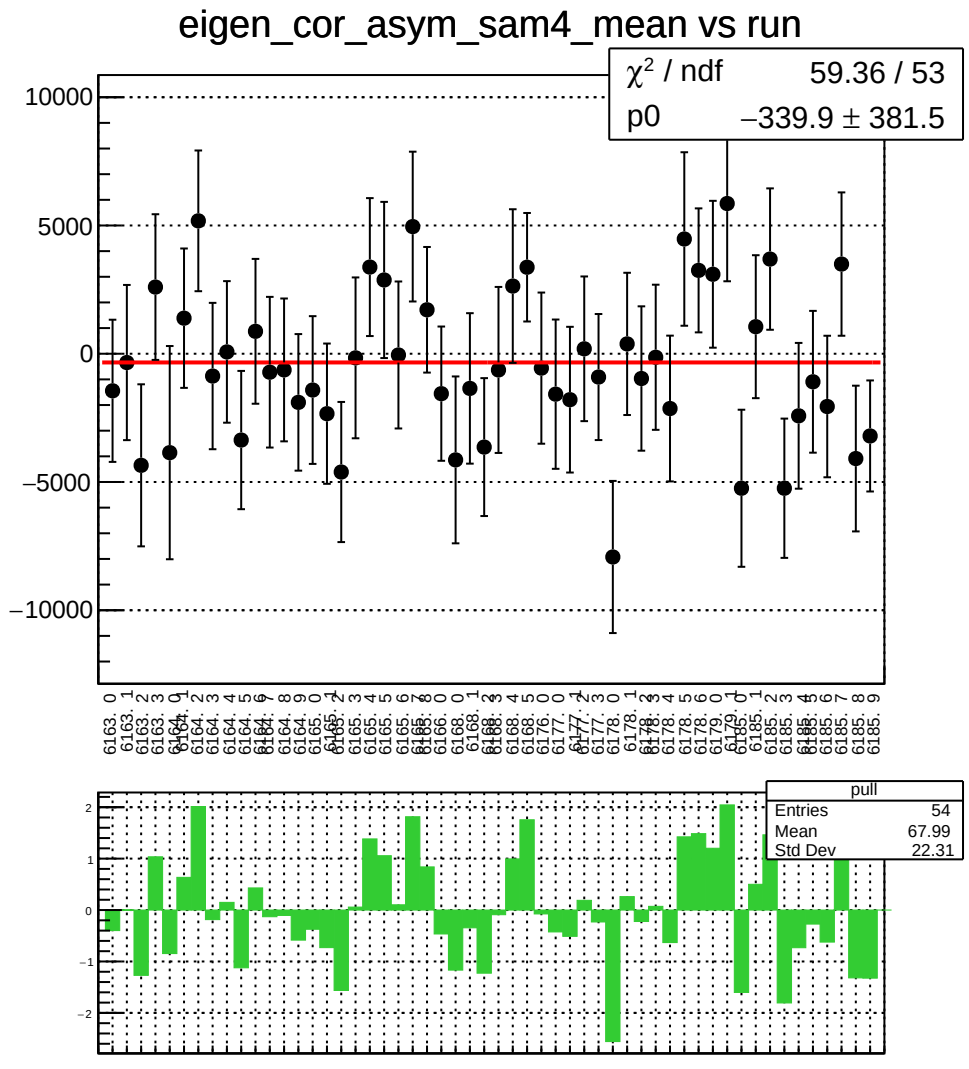

pull1D
Entries 54
Mean −0.01231
Std Dev 1.048
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

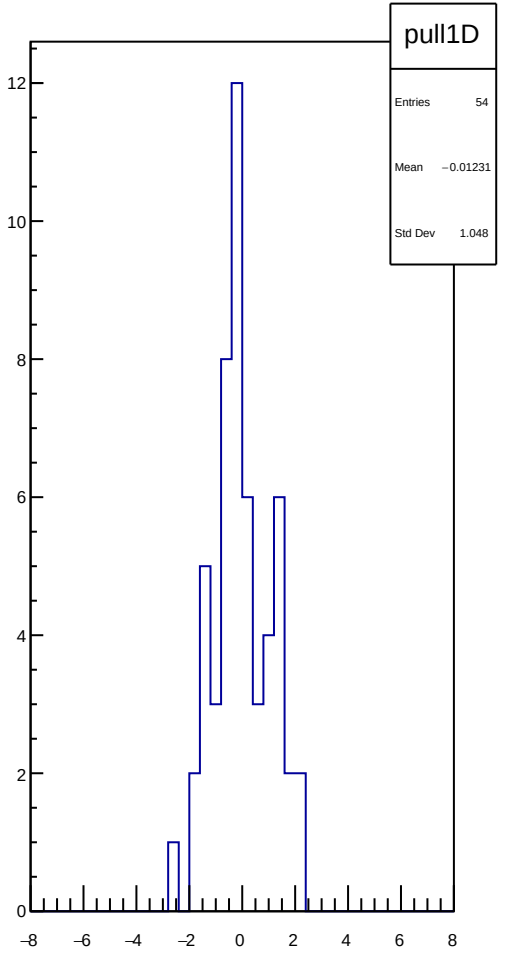

cor_asym_sam4_rms vs run
χ² / ndf 4425 / 53
p0 273.6 ± 0.2697
400
380
360
340
320
300
280
260
240
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

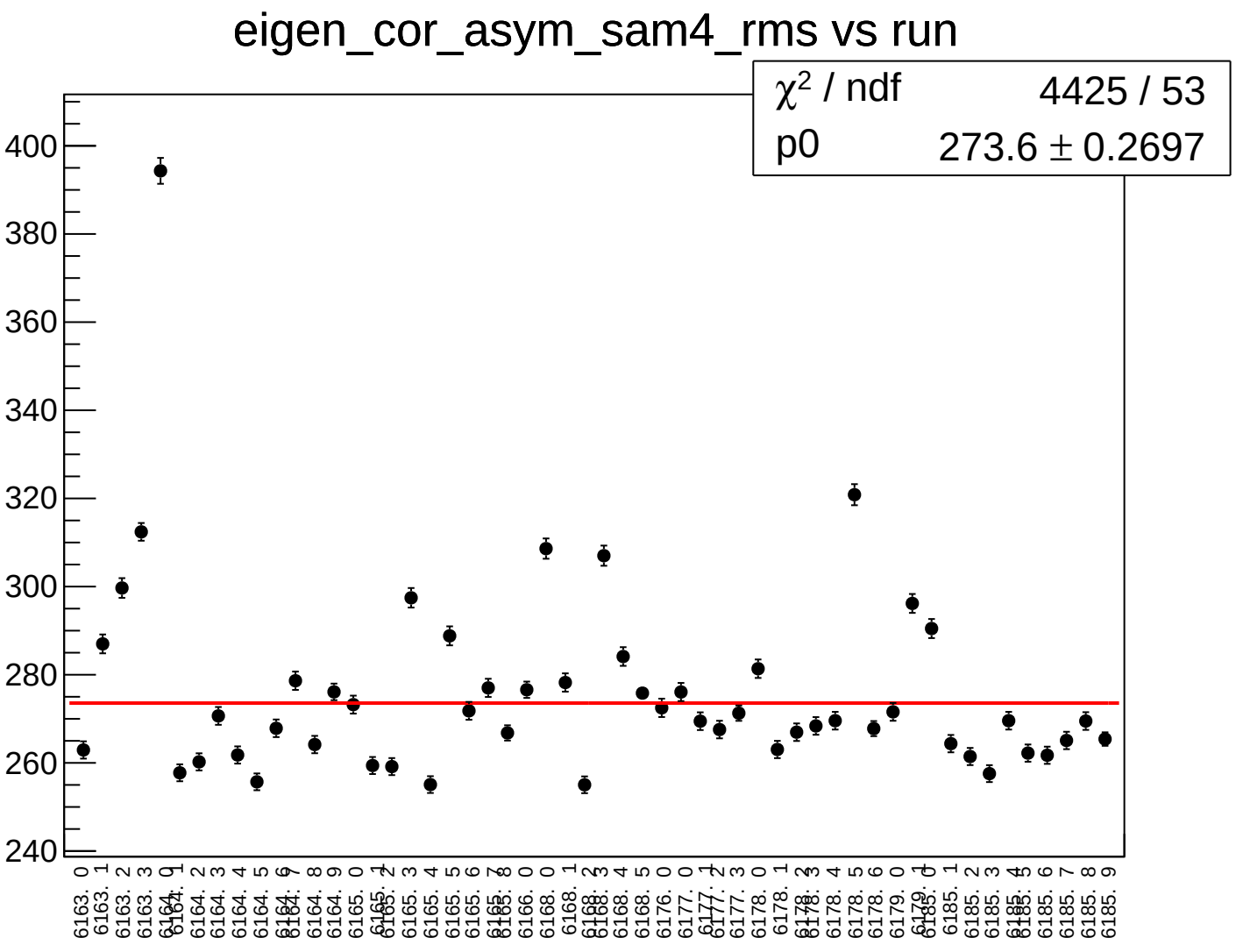

asym_sam4_cor_correction_mean vs run
×10^3
χ^2 / ndf 67.34 / 53
p0 9959 ± 6029
pull
Entries 54
Mean −1.499
Std Dev 0

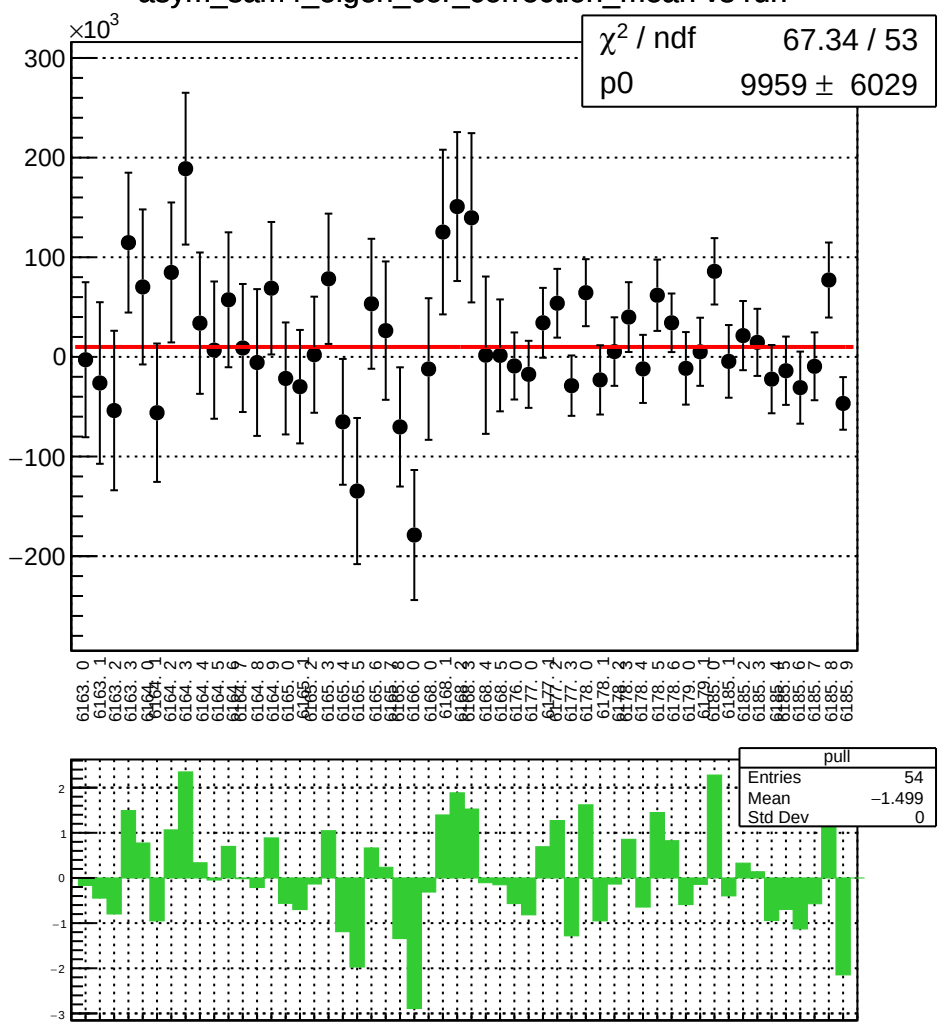

pull1D
Entries 54
Mean 0.0482
Std Dev 1.116

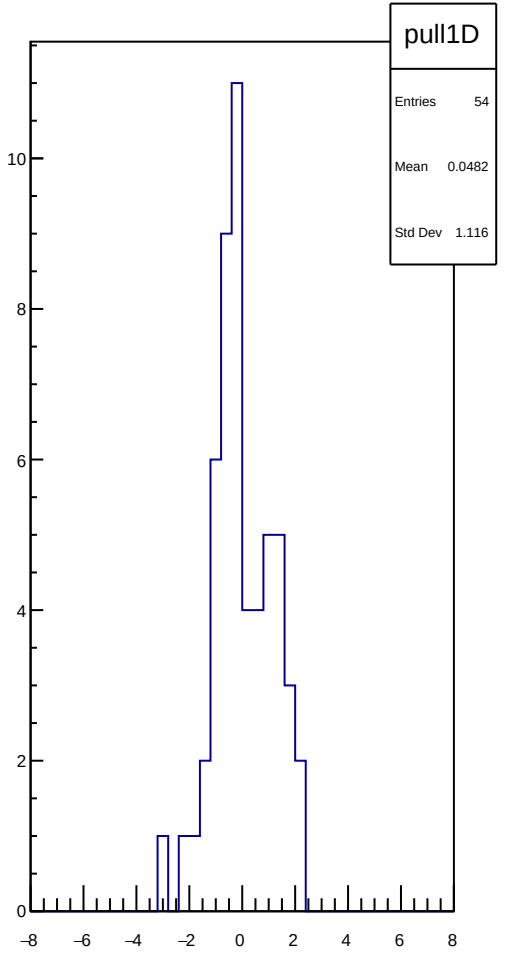

asym_sam4_cor_correction_rms vs run
χ² / ndf 1.195e+05 / 53
p0 4075 ± 4.263
8000
7000
6000
5000
4000
3000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

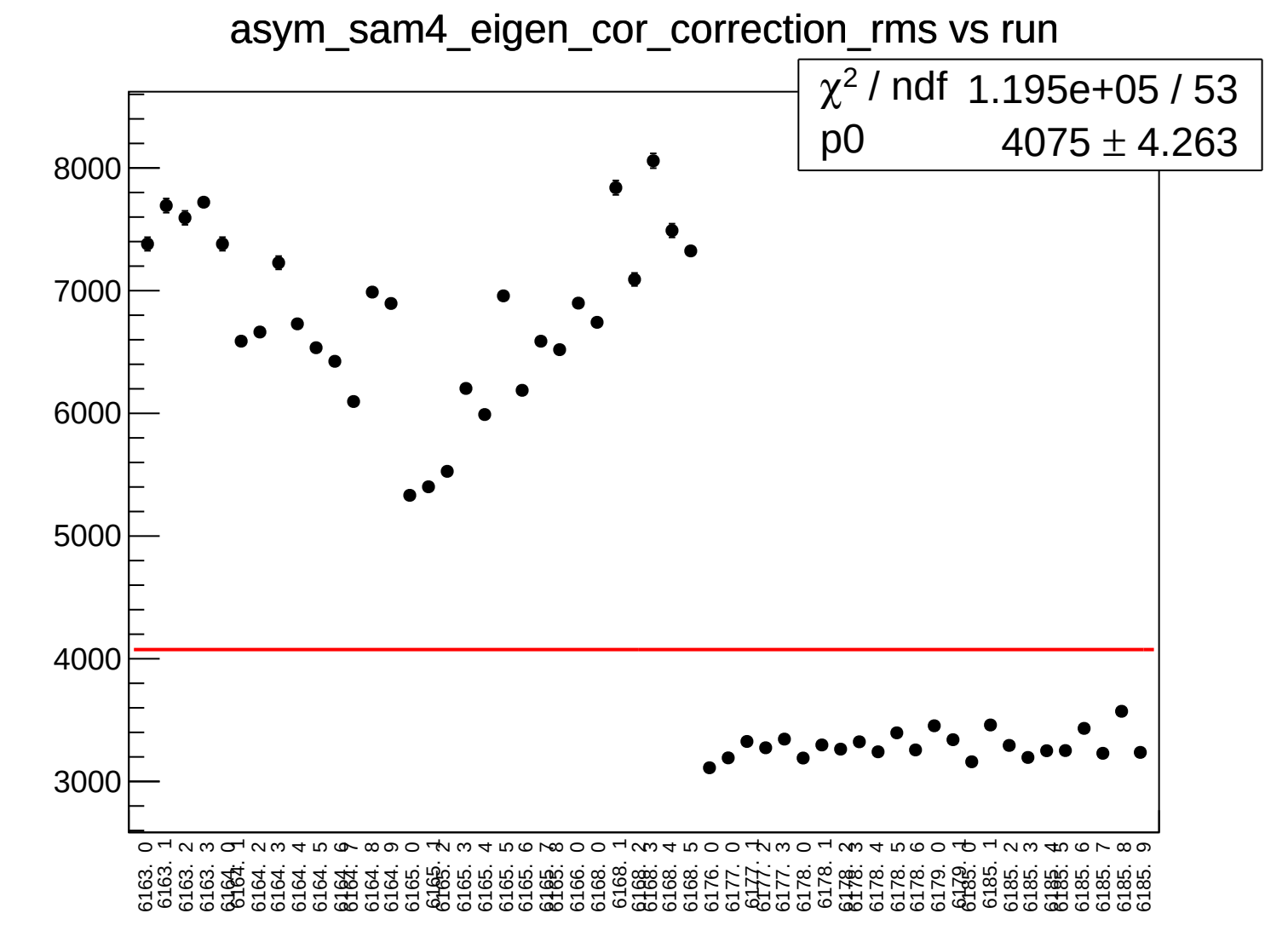

eigen_cor_asym_sam4_mean vs run
χ² / ndf 59.36 / 53
p0 −339.9 ± 381.5
10000
5000
0
−5000
−10000
pull
Entries 54
Mean 67.99
Std Dev 22.31
2
1
0
−1
−2

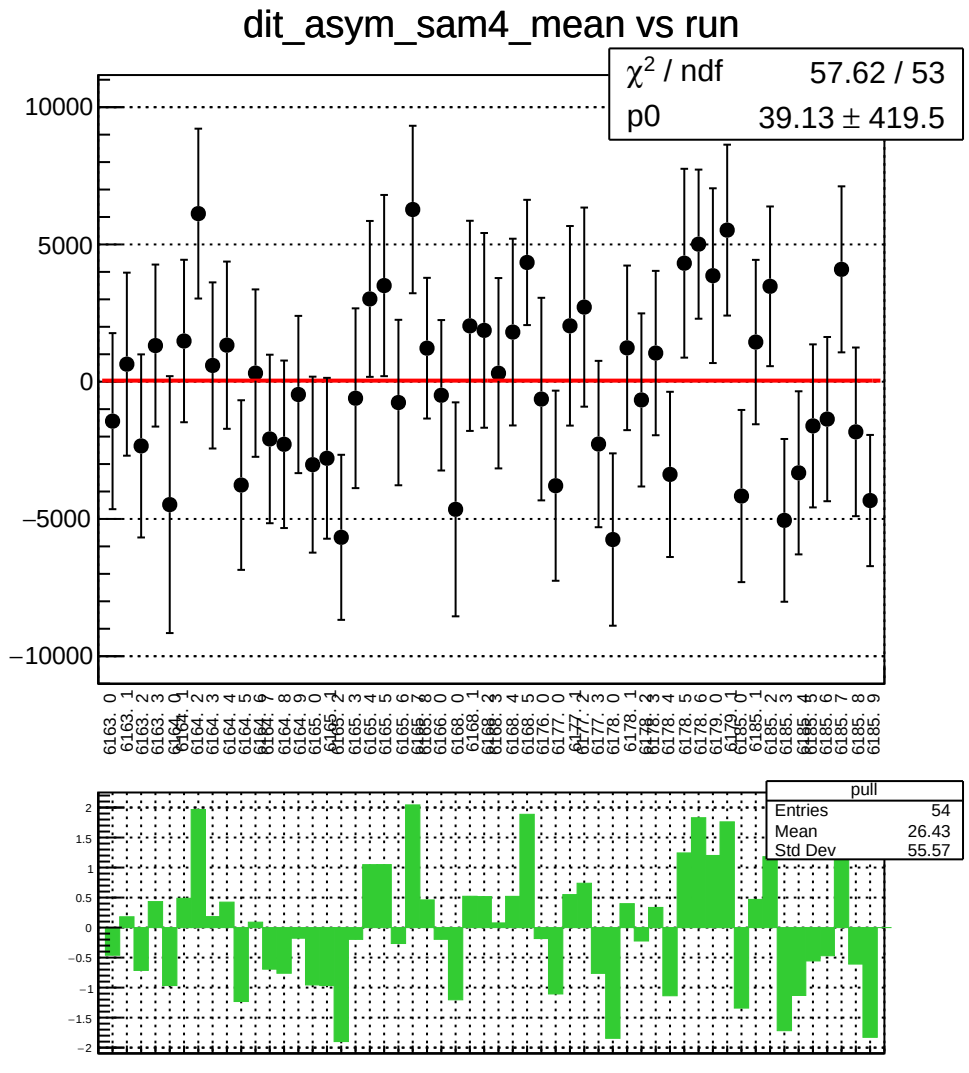

pull1D
Entries 54
Mean −0.01231
Std Dev 1.048
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

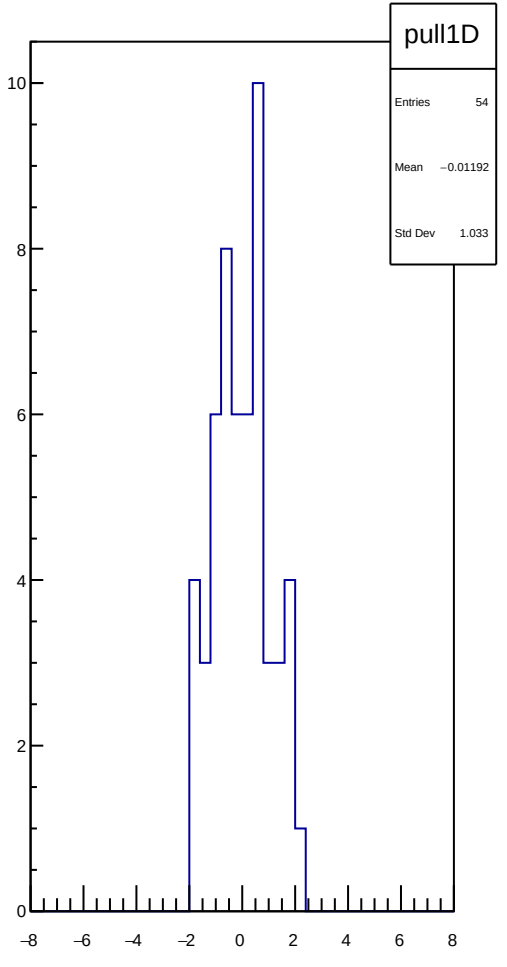

eigen_cor_asym_sam4_rms vs run
χ² / ndf 4425 / 53
p0 273.6 ± 0.2697
400
380
360
340
320
300
280
260
240
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

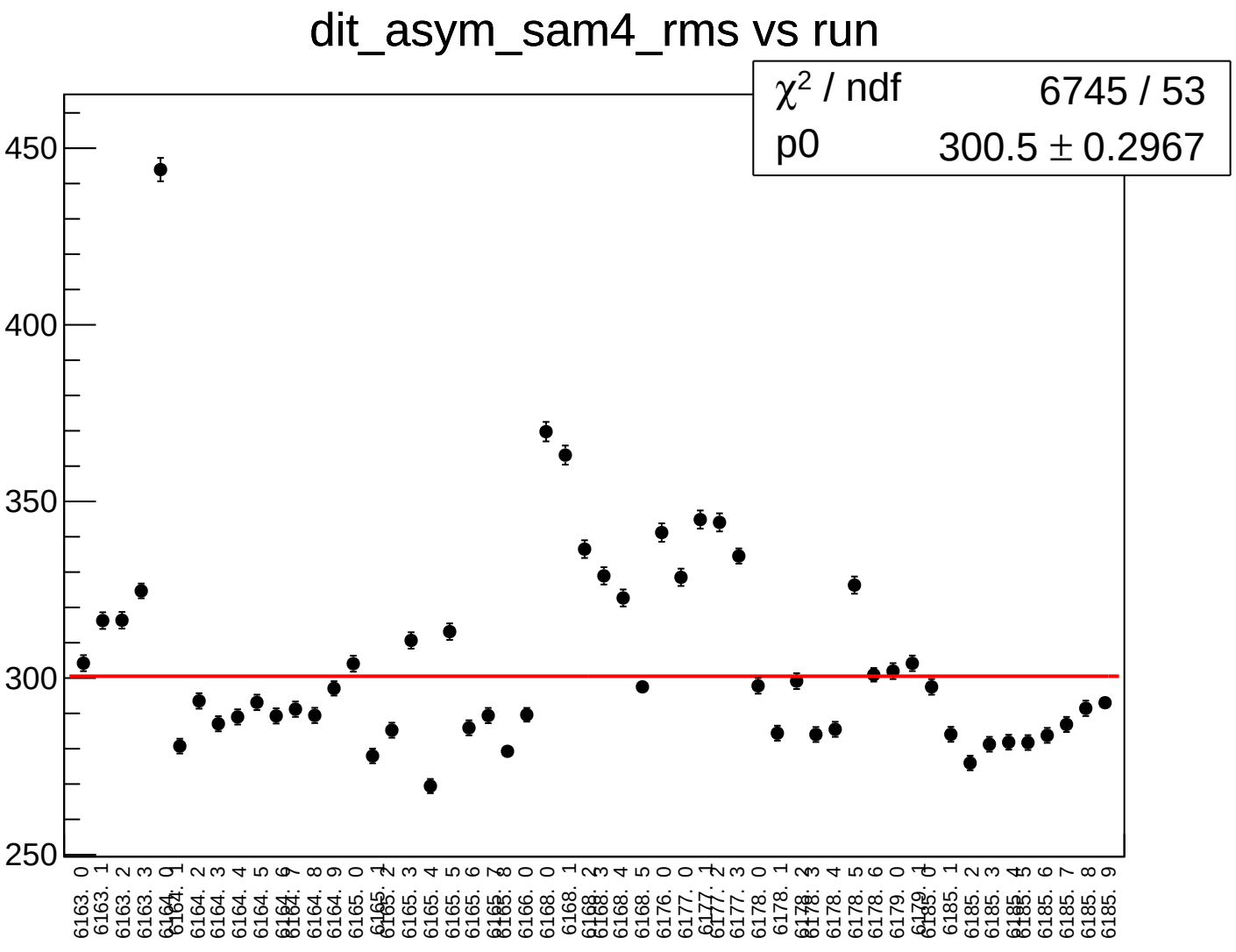

asym_sam4_eigen_cor_correction_mean vs run
χ² / ndf 67.34 / 53
p0 9959 ± 6029
pull
Entries 54
Mean −1.499
Std Dev 0

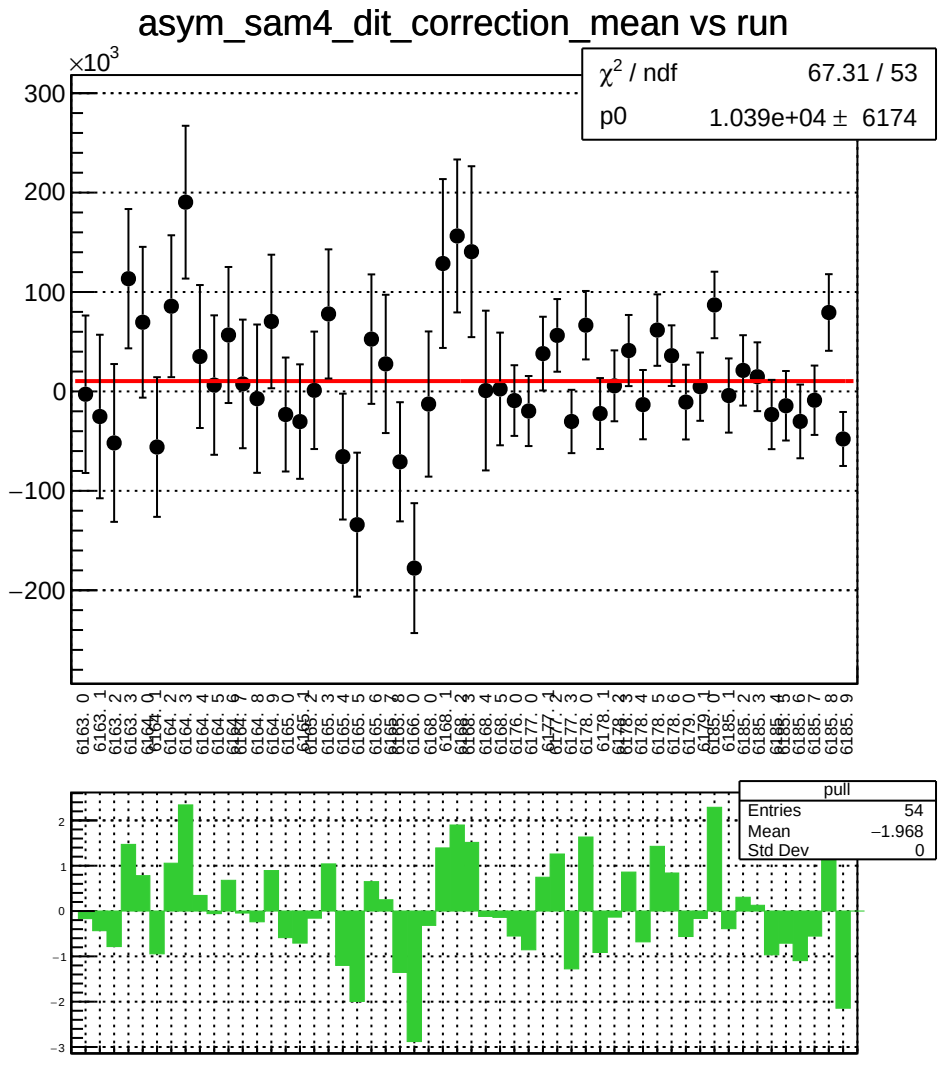

pull1D
Entries 54
Mean 0.0482
Std Dev 1.116

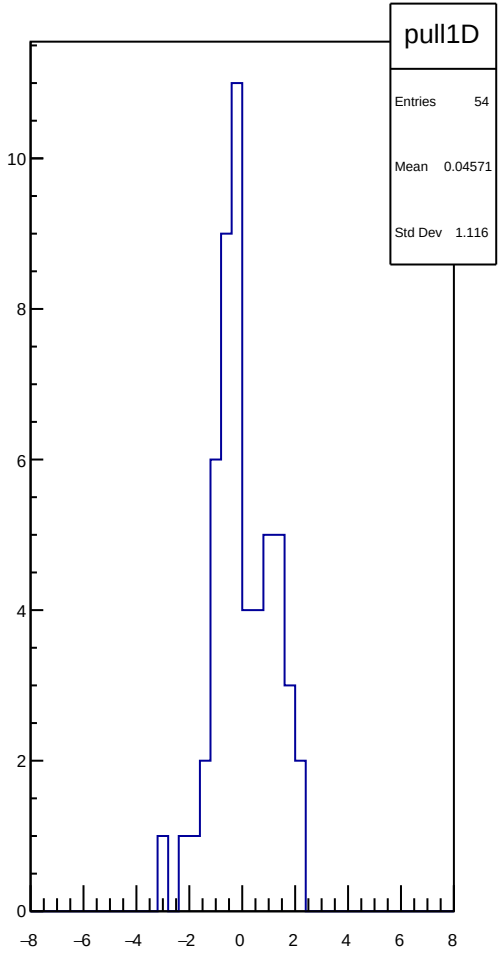

asym_sam4_eigen_cor_correction_rms vs run
χ² / ndf 1.195e+05 / 53
p0 4075 ± 4.263
8000
7000
6000
5000
4000
3000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

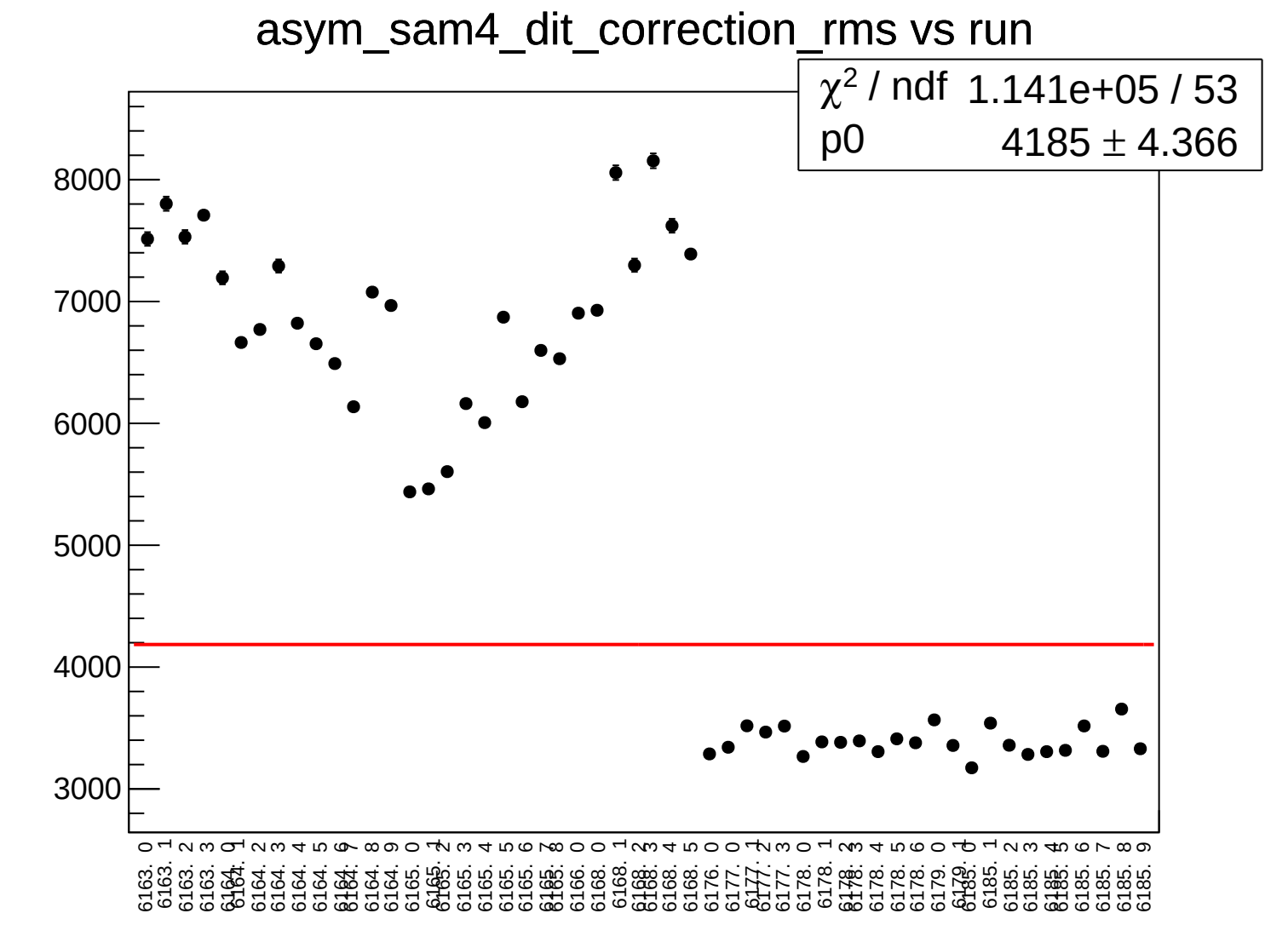

dit_asym_sam4_mean vs run
χ^2 / ndf 57.62 / 53
p0 39.13 ± 419.5
10000
5000
0
−5000
−10000
pull
Entries 54
Mean 26.43
Std Dev 55.57
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

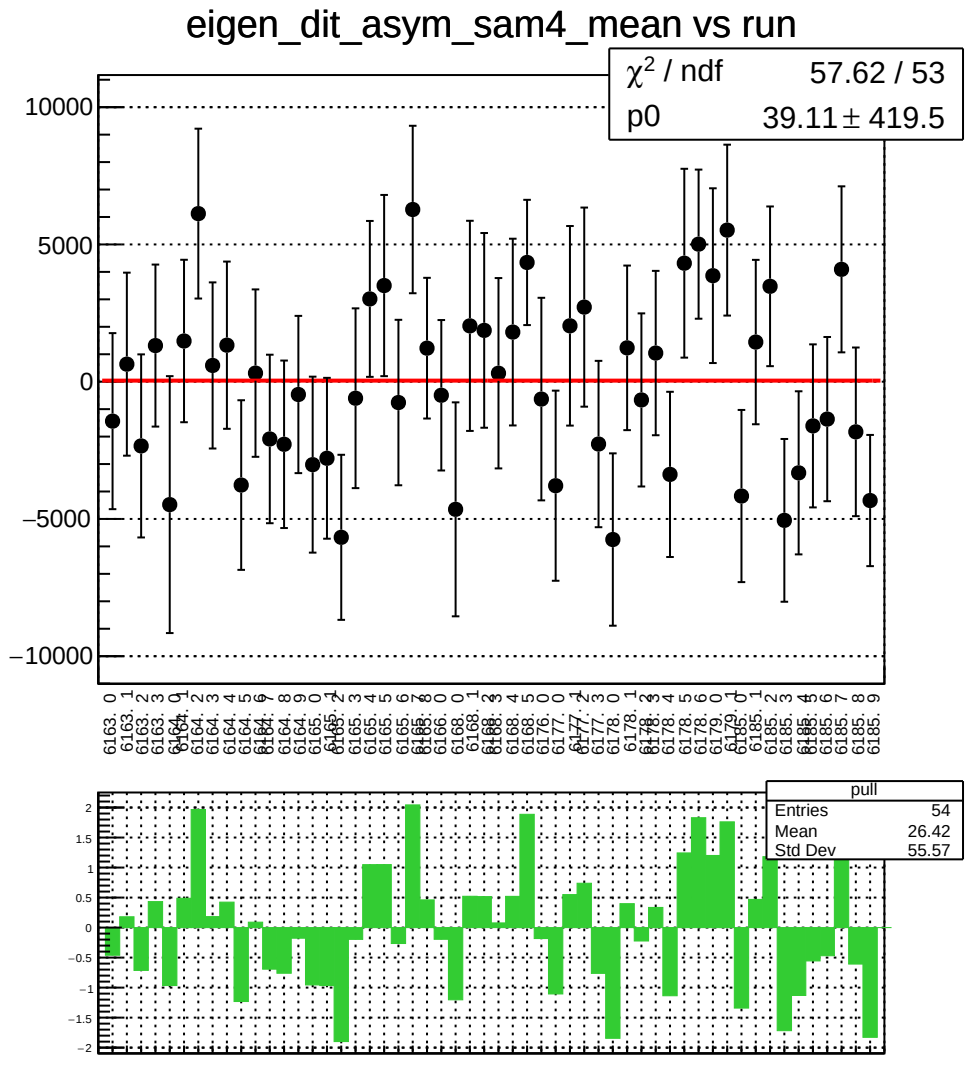

pull1D
Entries 54
Mean −0.01192
Std Dev 1.033
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

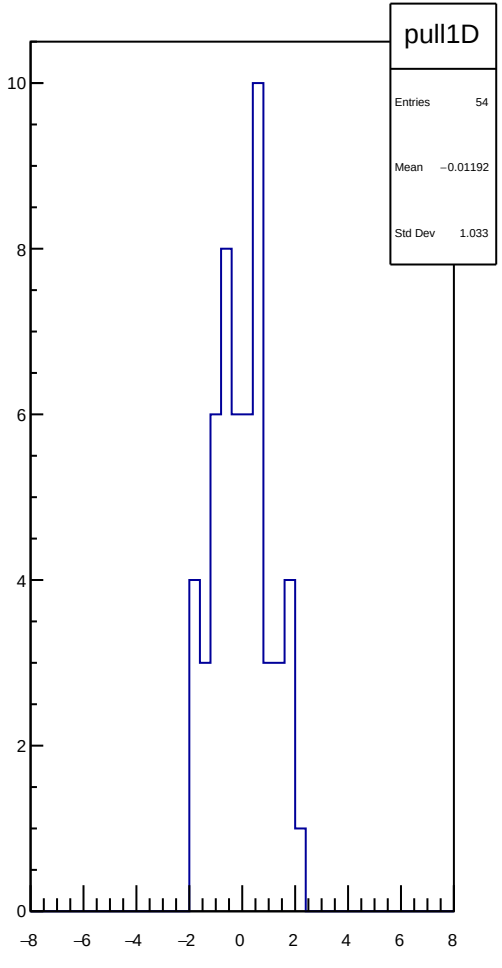

dit_asym_sam4_rms vs run
χ² / ndf 6745 / 53
p0 300.5 ± 0.2967
450
400
350
300
250
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

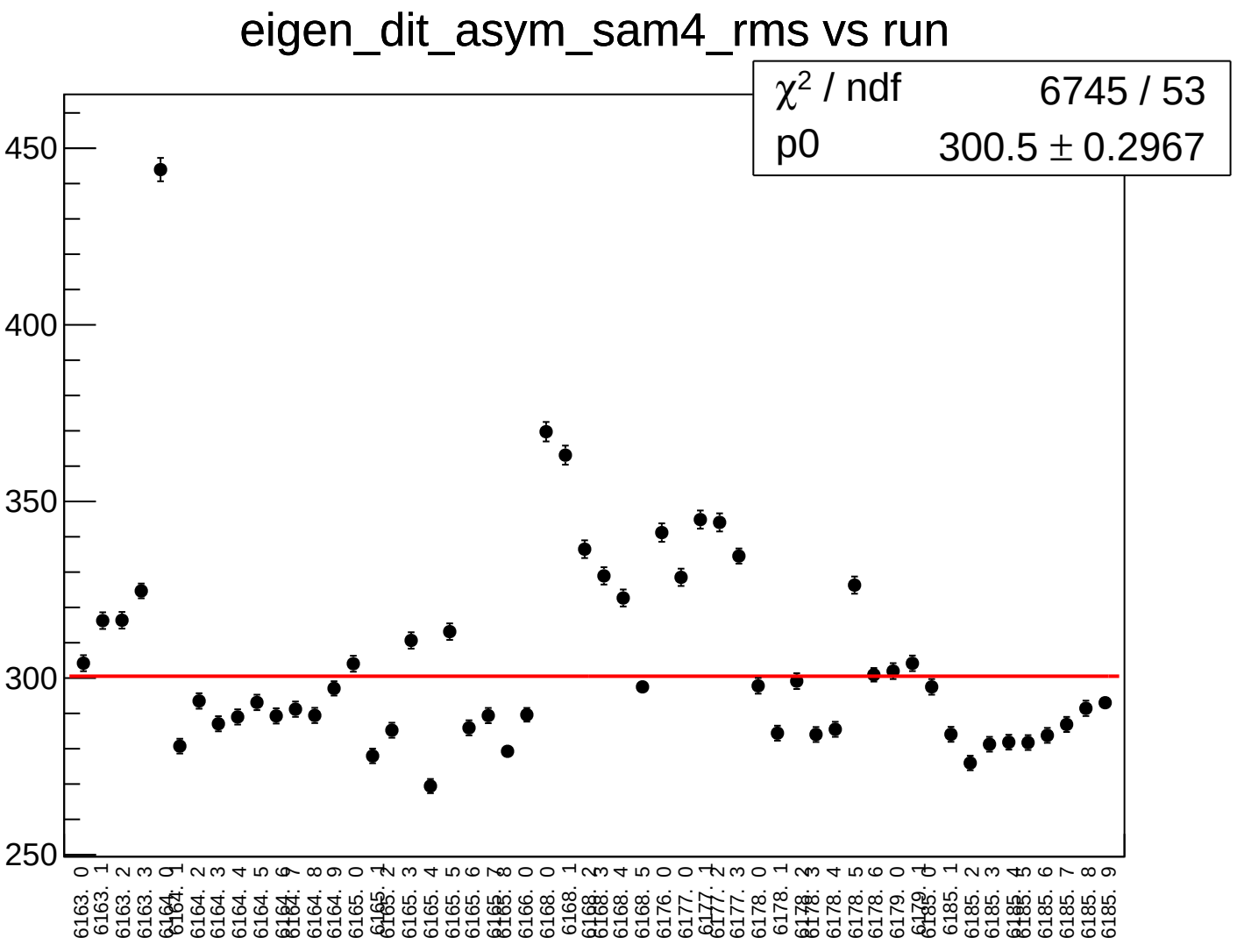

asym_sam4_dit_correction_mean vs run
×10^3
χ² / ndf 67.31 / 53
p0 1.039e+04 ± 6174
pull
Entries 54
Mean −1.968
Std Dev 0

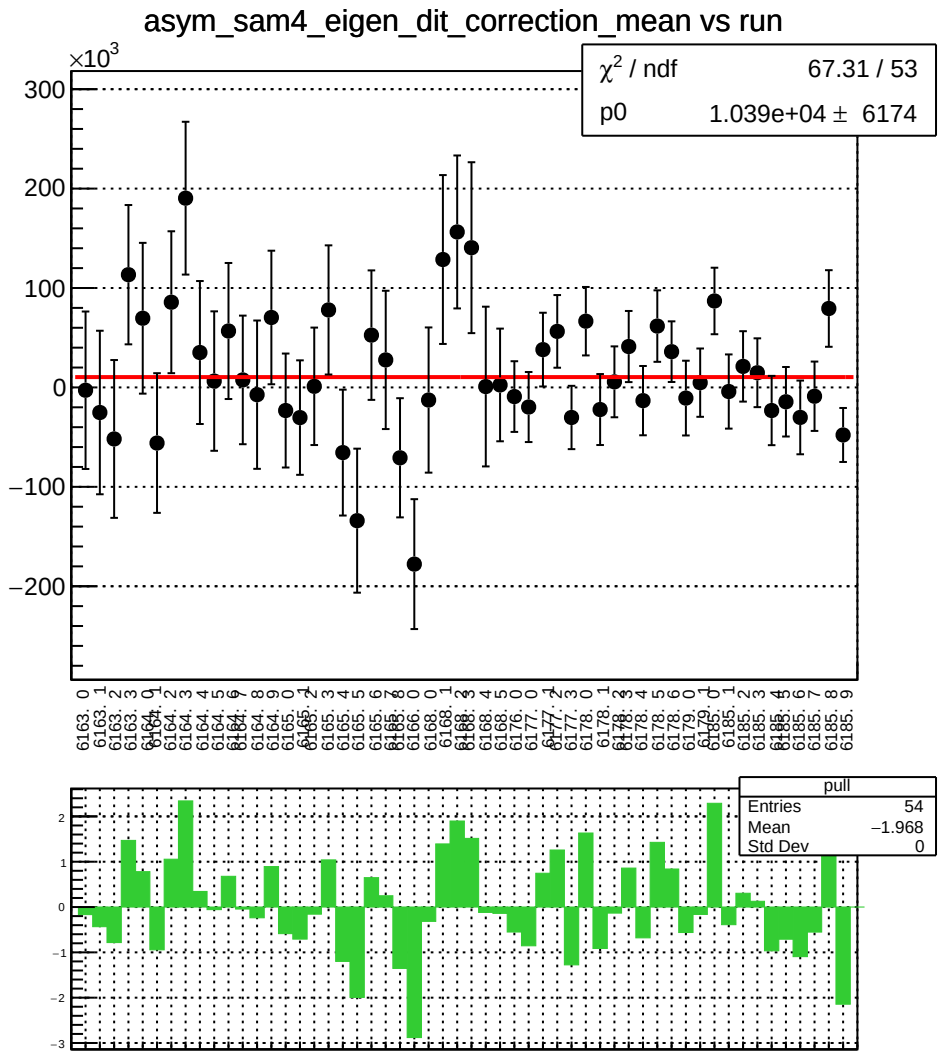

pull1D
Entries 54
Mean 0.04571
Std Dev 1.116

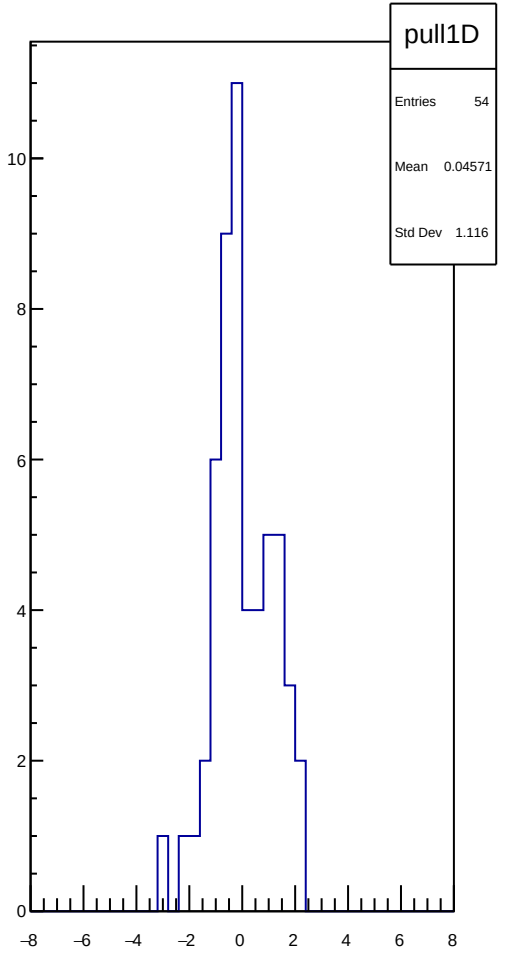

asym_sam4_dit_correction_rms vs run
χ² / ndf 1.141e+05 / 53
p0 4185 ± 4.366
8000
7000
6000
5000
4000
3000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

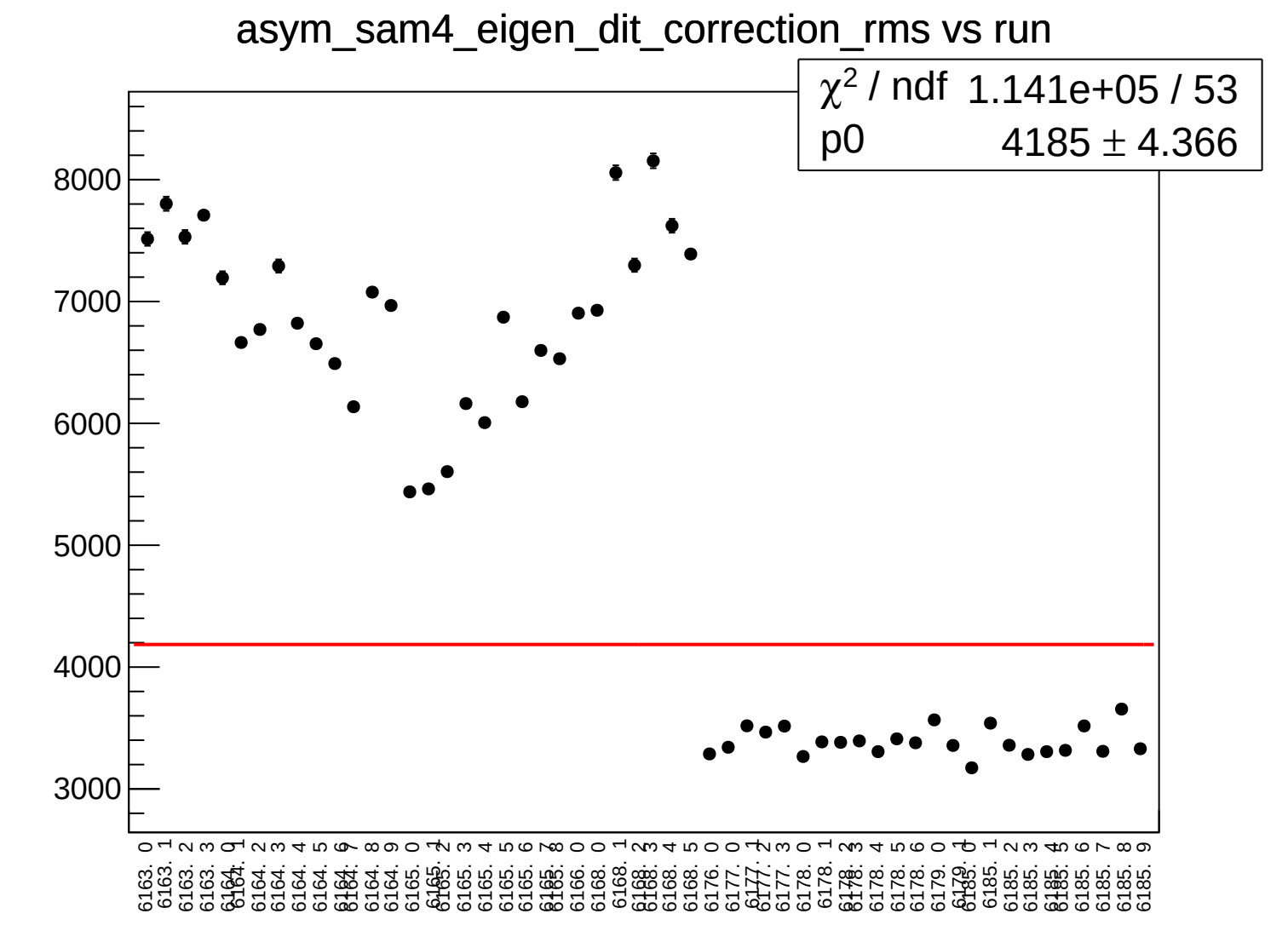

eigen_dit_asym_sam4_mean vs run
χ² / ndf 57.62 / 53
p0 39.11 ± 419.5
pull
Entries 54
Mean 26.42
Std Dev 55.57

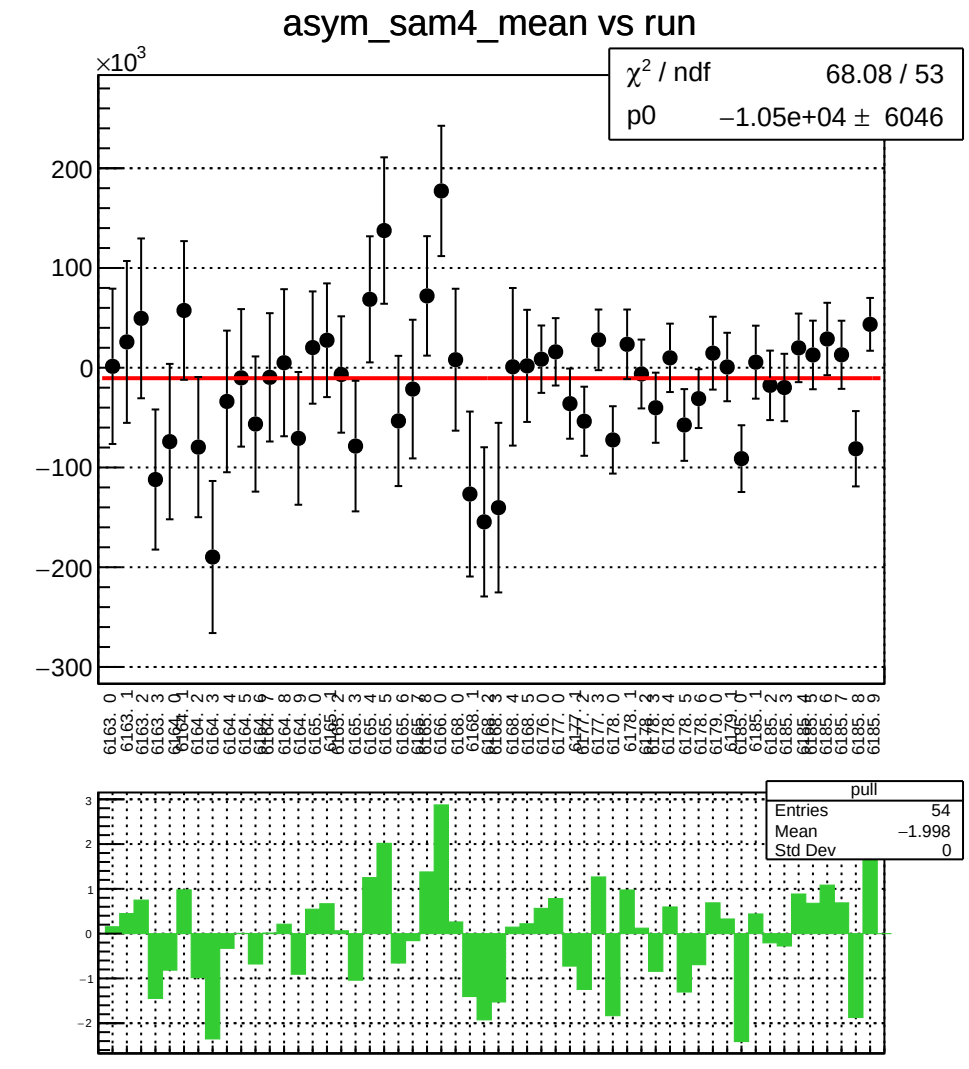

pull1D
Entries 54
Mean −0.01192
Std Dev 1.033

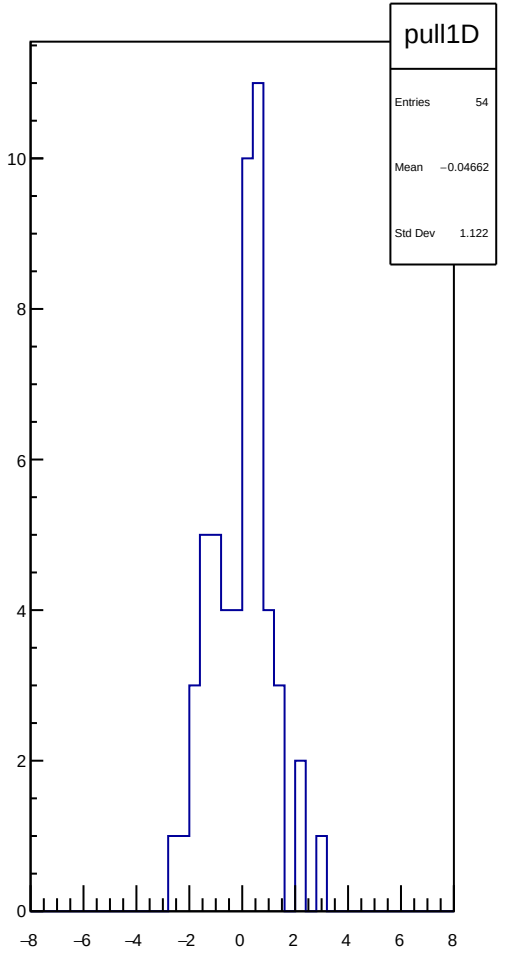

eigen_dit_asym_sam4_rms vs run
χ² / ndf 6745 / 53
p0 300.5 ± 0.2967
450
400
350
300
250
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

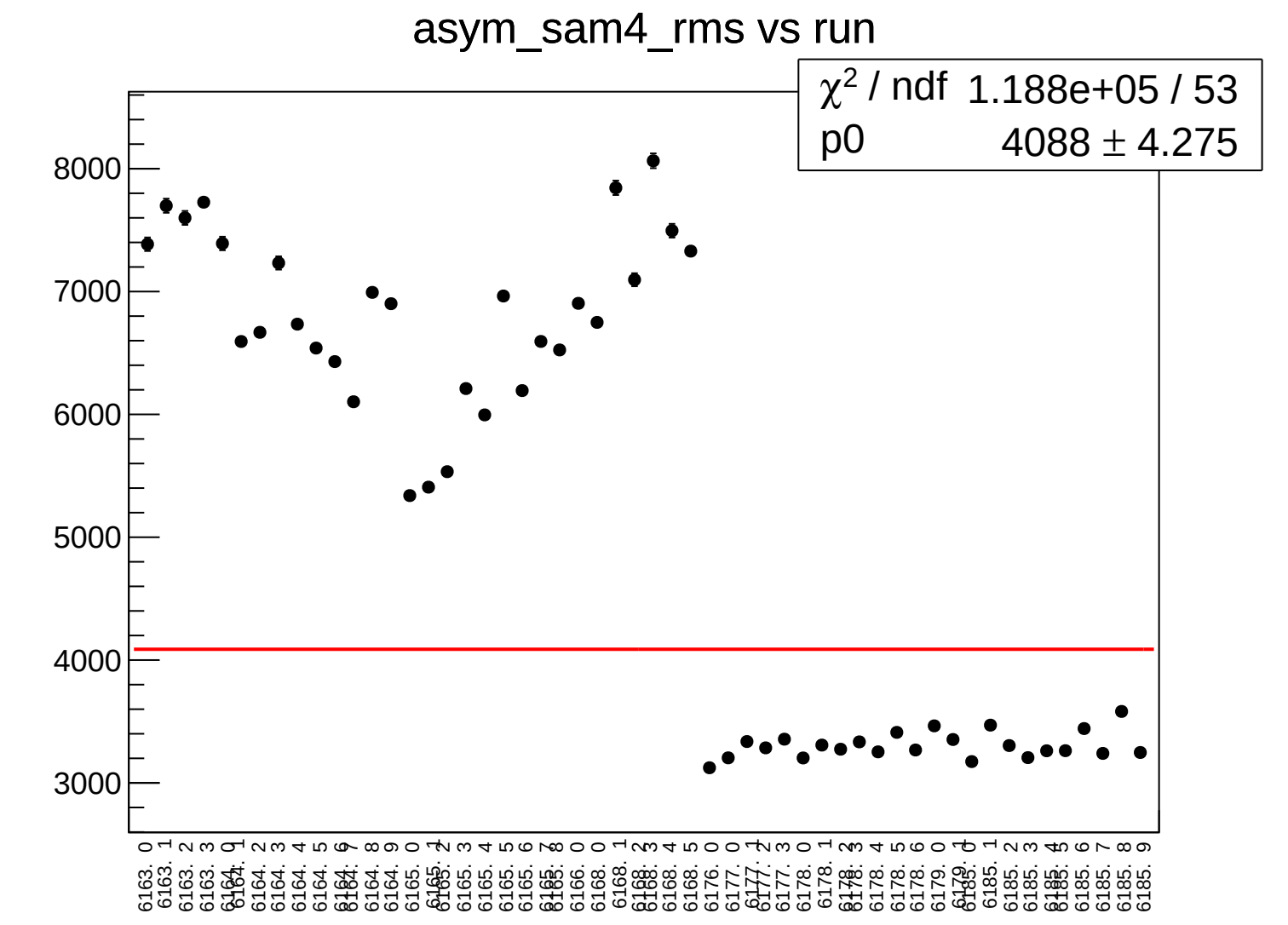

asym_sam4_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 67.31 / 53
p0 1.039e+04 ± 6174
pull
Entries 54
Mean −1.968
Std Dev 0

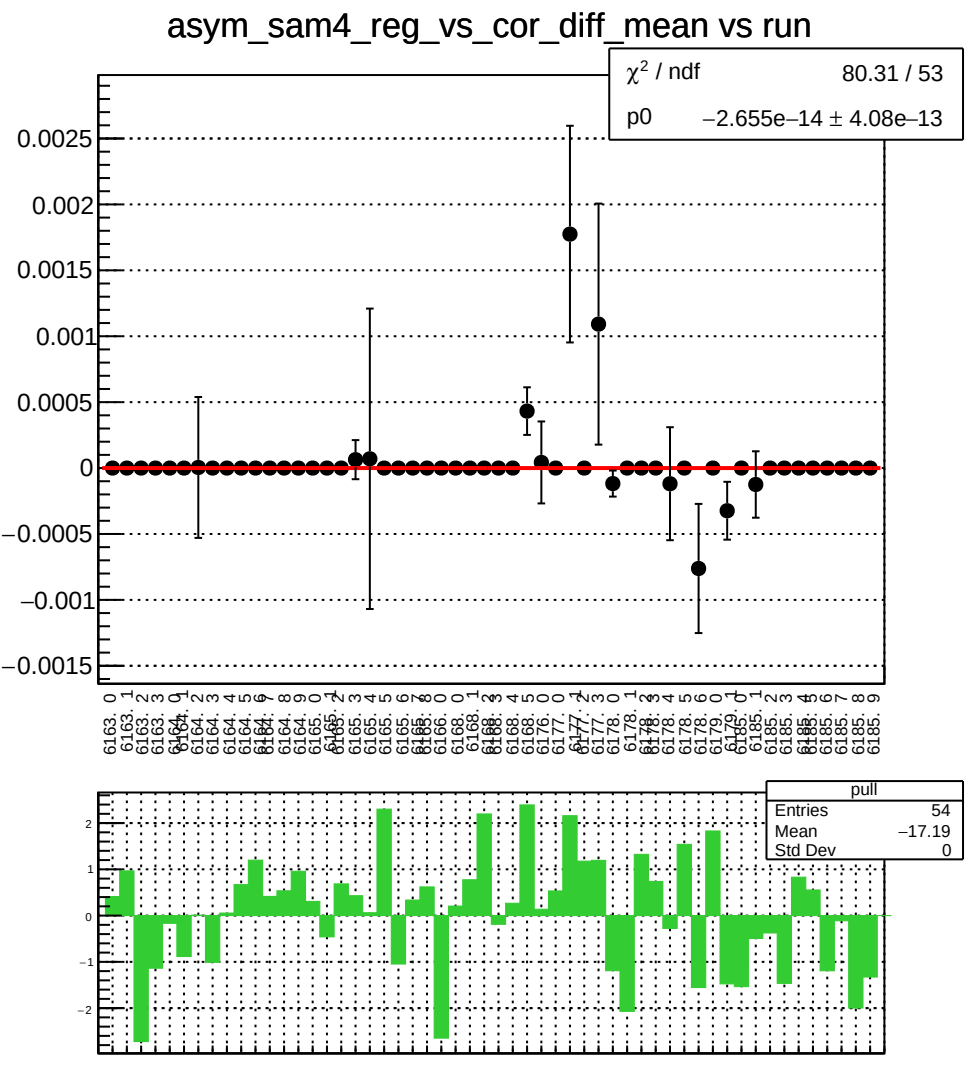

pull1D
Entries 54
Mean 0.04571
Std Dev 1.116

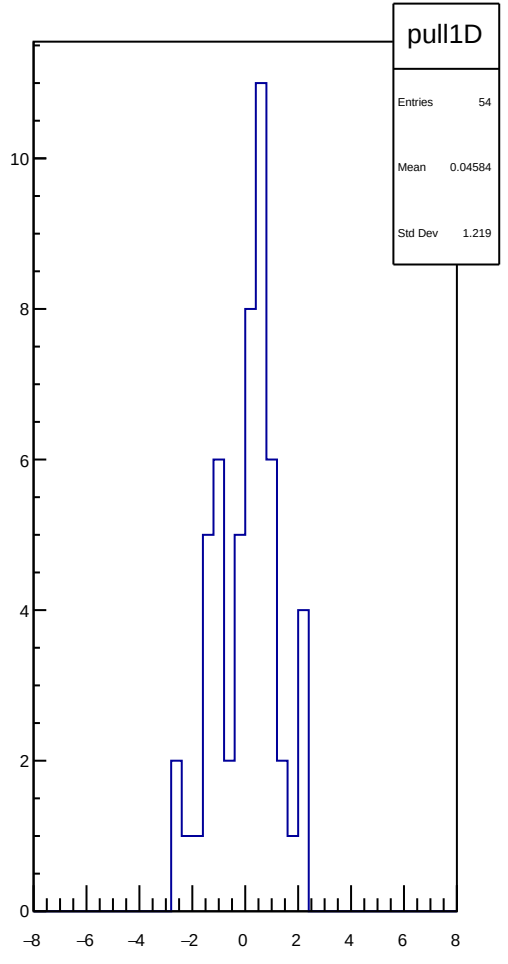

asym_sam4_eigen_dit_correction_rms vs run
χ² / ndf 1.141e+05 / 53
p0 4185 ± 4.366
8000
7000
6000
5000
4000
3000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

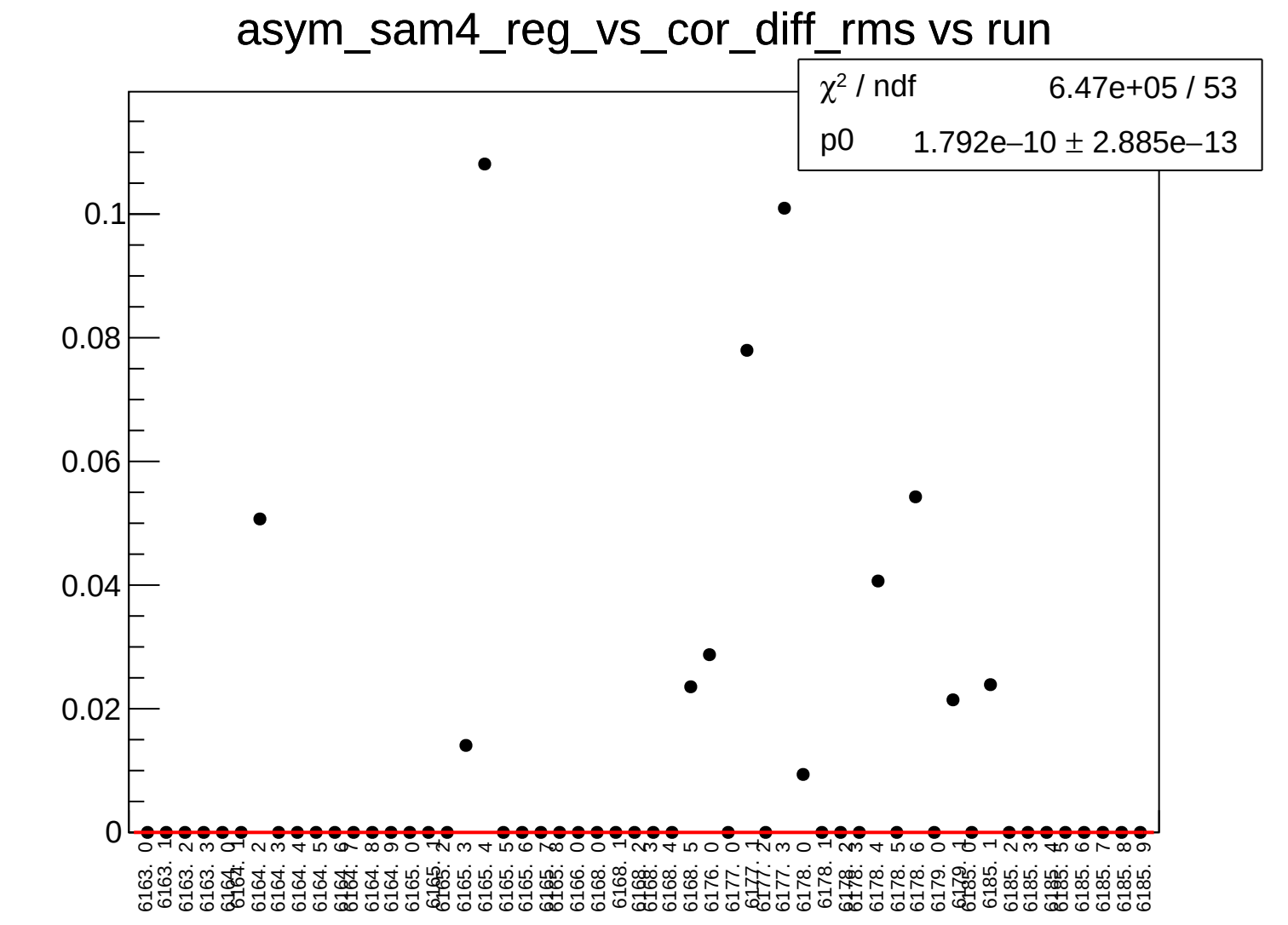

asym_sam4_mean vs run
×10^3
χ² / ndf 68.08 / 53
p0 −1.05e+04 ± 6046
200
100
0
−100
−200
−300
pull
Entries 54
Mean −1.998
Std Dev 0

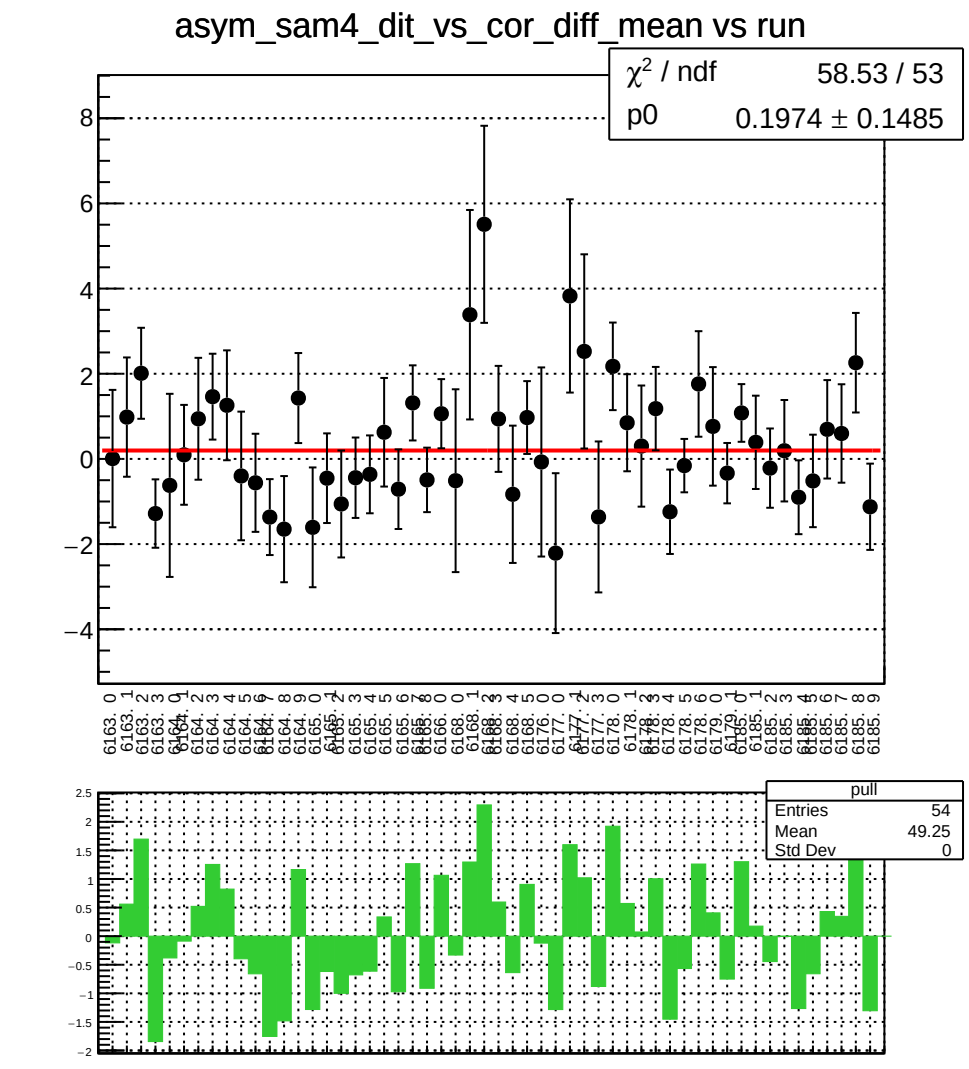

pull1D
Entries 54
Mean −0.04662
Std Dev 1.122

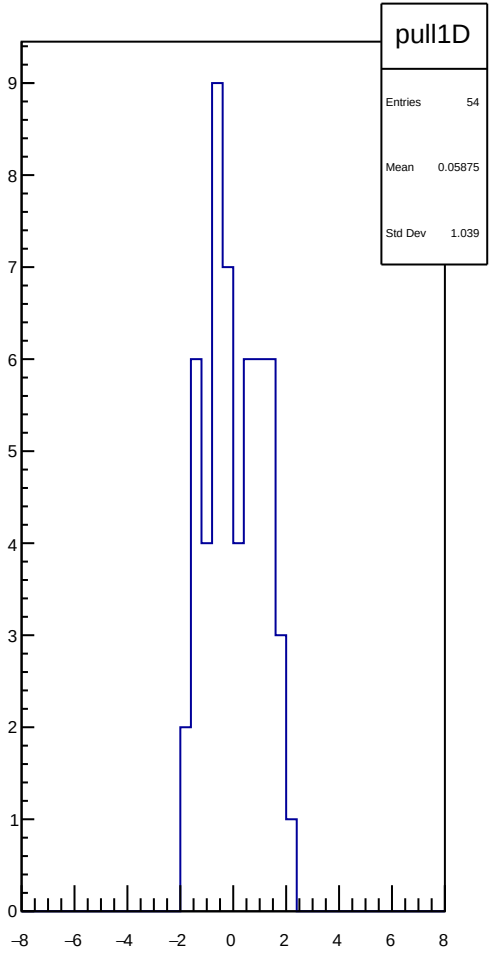

asym_sam4_rms vs run
χ² / ndf 1.188e+05 / 53
p0 4088 ± 4.275
8000
7000
6000
5000
4000
3000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

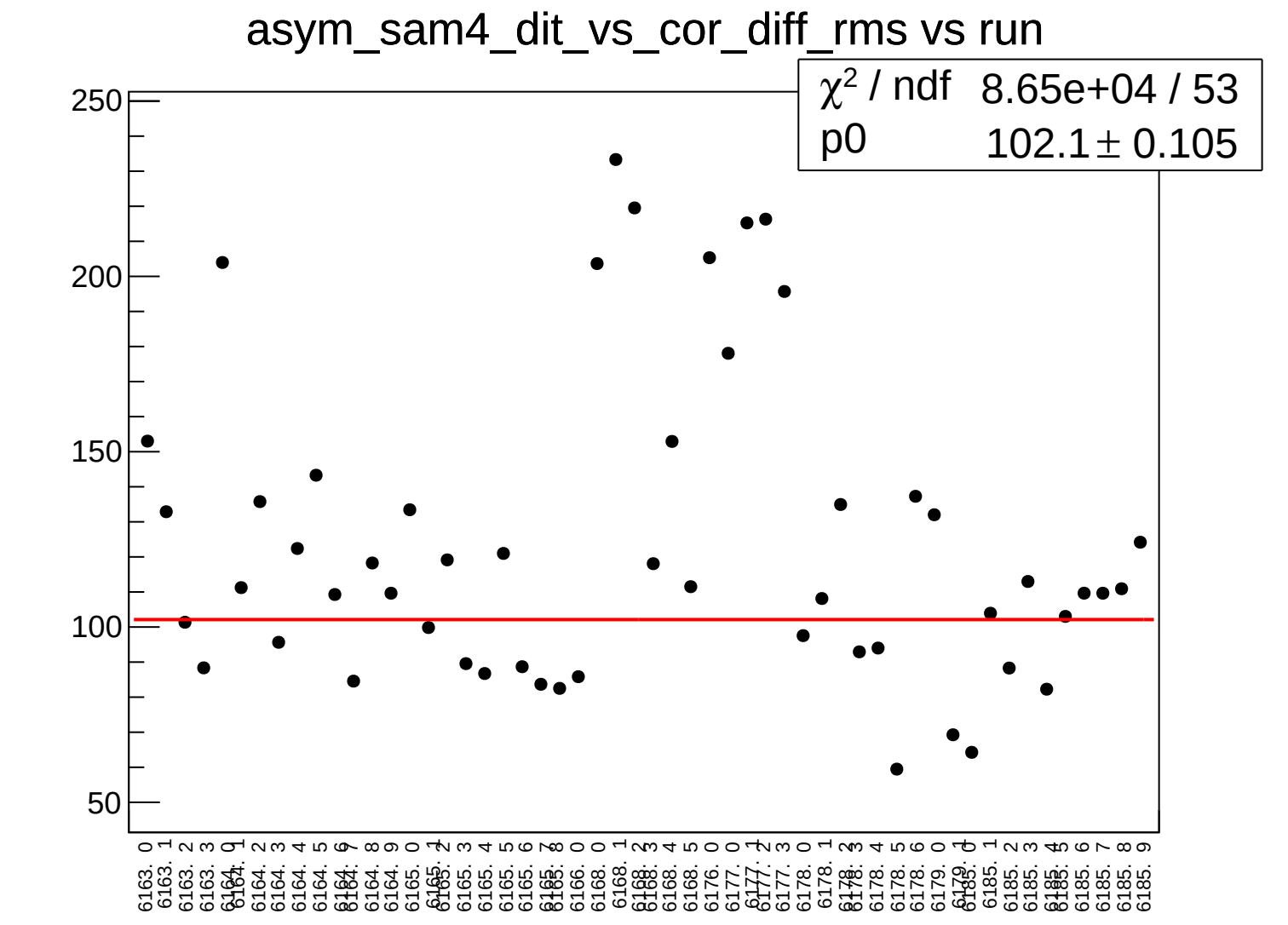

asym_sam4_reg_vs_cor_diff_mean vs run
χ² / ndf 80.31 / 53
p0 −2.655e−14 ± 4.08e−13
pull
Entries 54
Mean −17.19
Std Dev 0

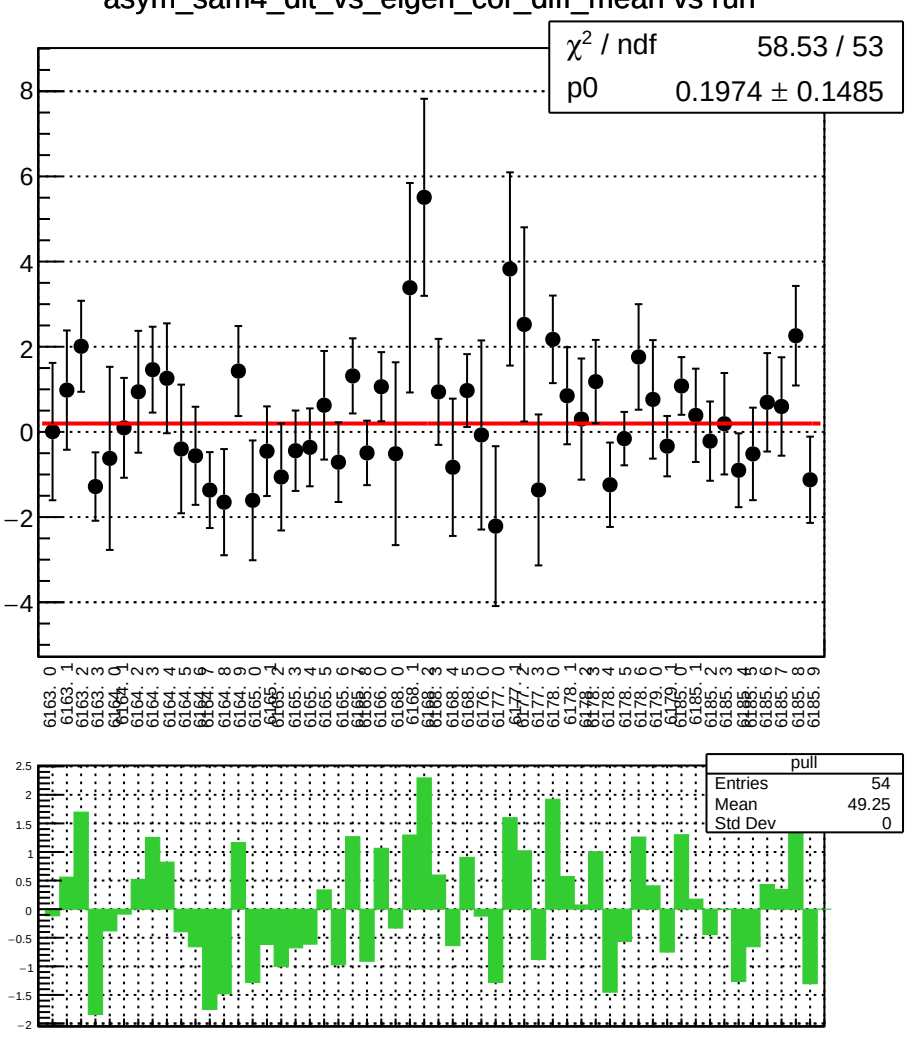

pull1D
Entries 54
Mean 0.04584
Std Dev 1.219

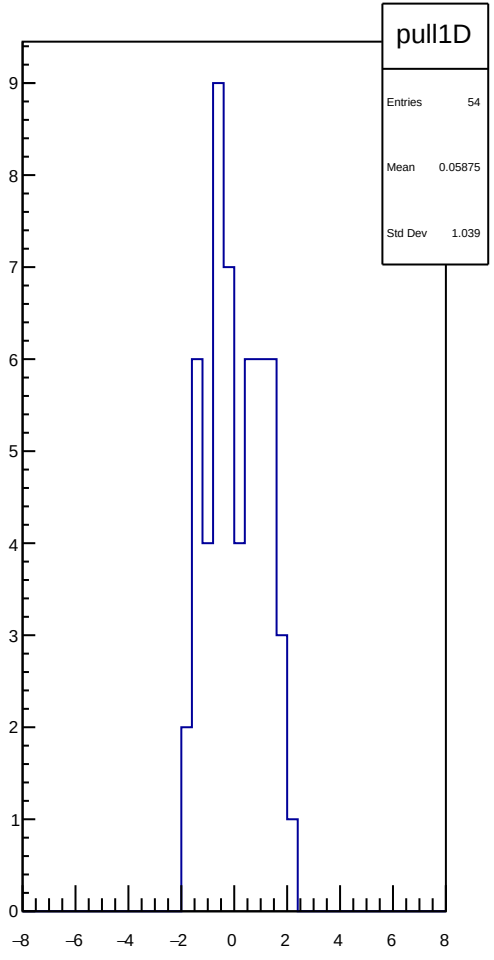

asym_sam4_reg_vs_cor_diff_rms vs run
χ² / ndf 6.47e+05 / 53
p0 1.792e−10 ± 2.885e−13
0.1
0.08
0.06
0.04
0.02
0

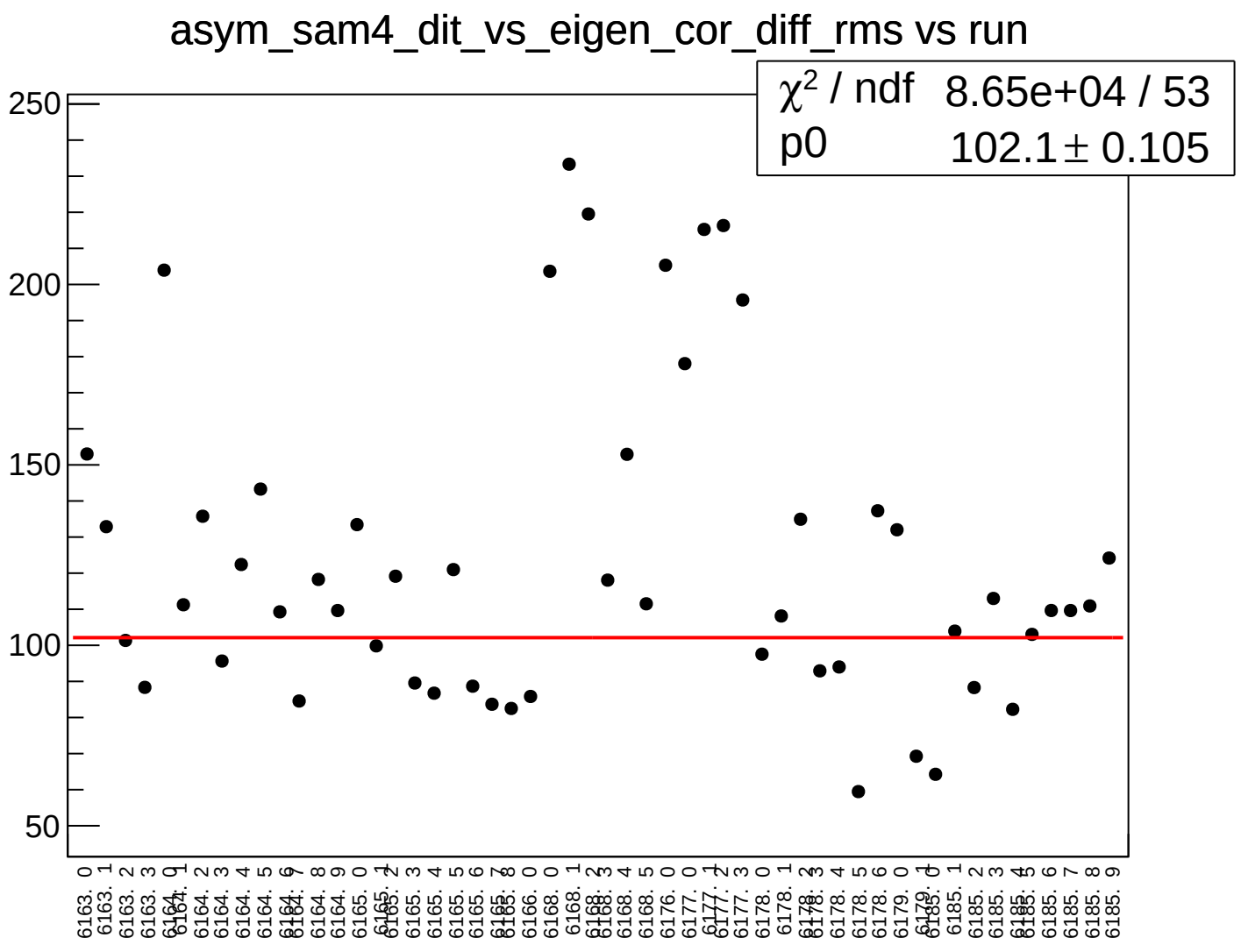

asym_sam4_dit_vs_cor_diff_mean vs run
χ² / ndf 58.53 / 53
p0 0.1974 ± 0.1485
pull
Entries 54
Mean 49.25
Std Dev 0

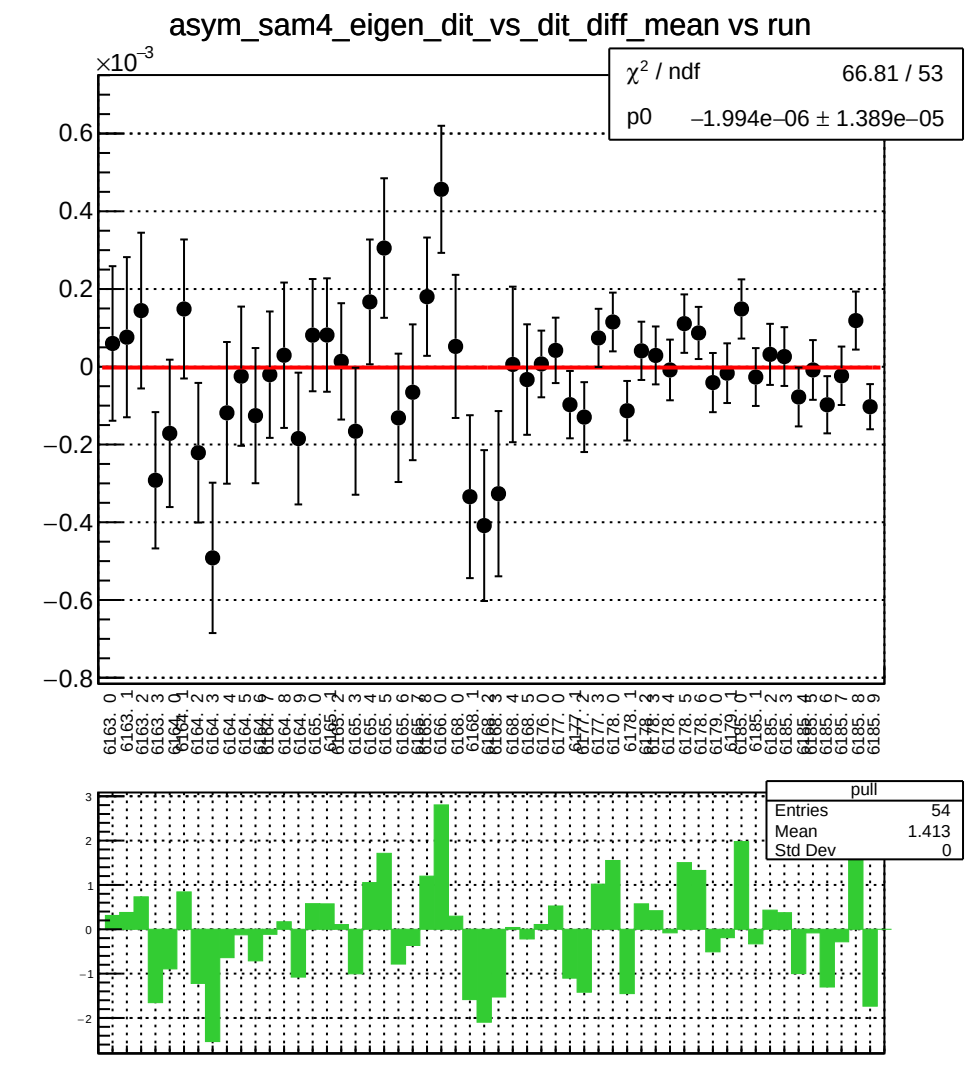

pull1D
Entries 54
Mean 0.05875
Std Dev 1.039

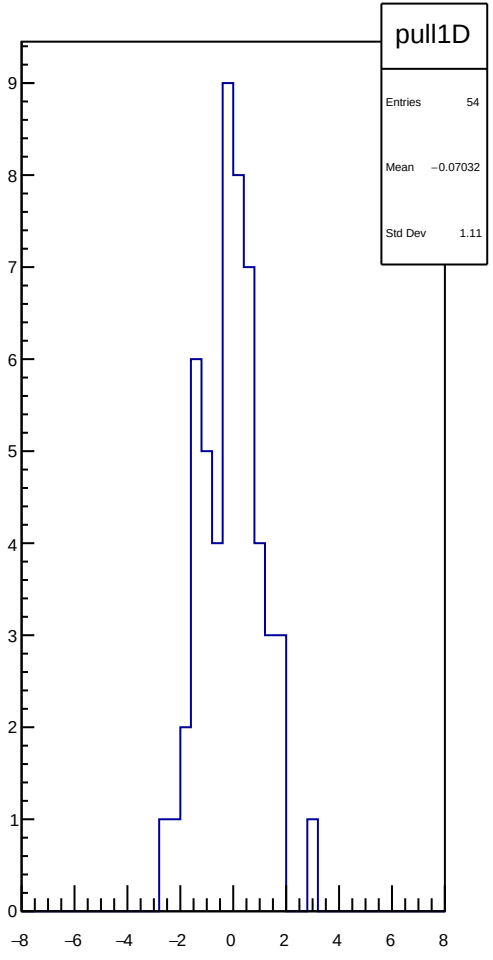

asym_sam4_dit_vs_cor_diff_rms vs run
χ² / ndf 8.65e+04 / 53
p0 102.1 ± 0.105
250
200
150
100
50
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

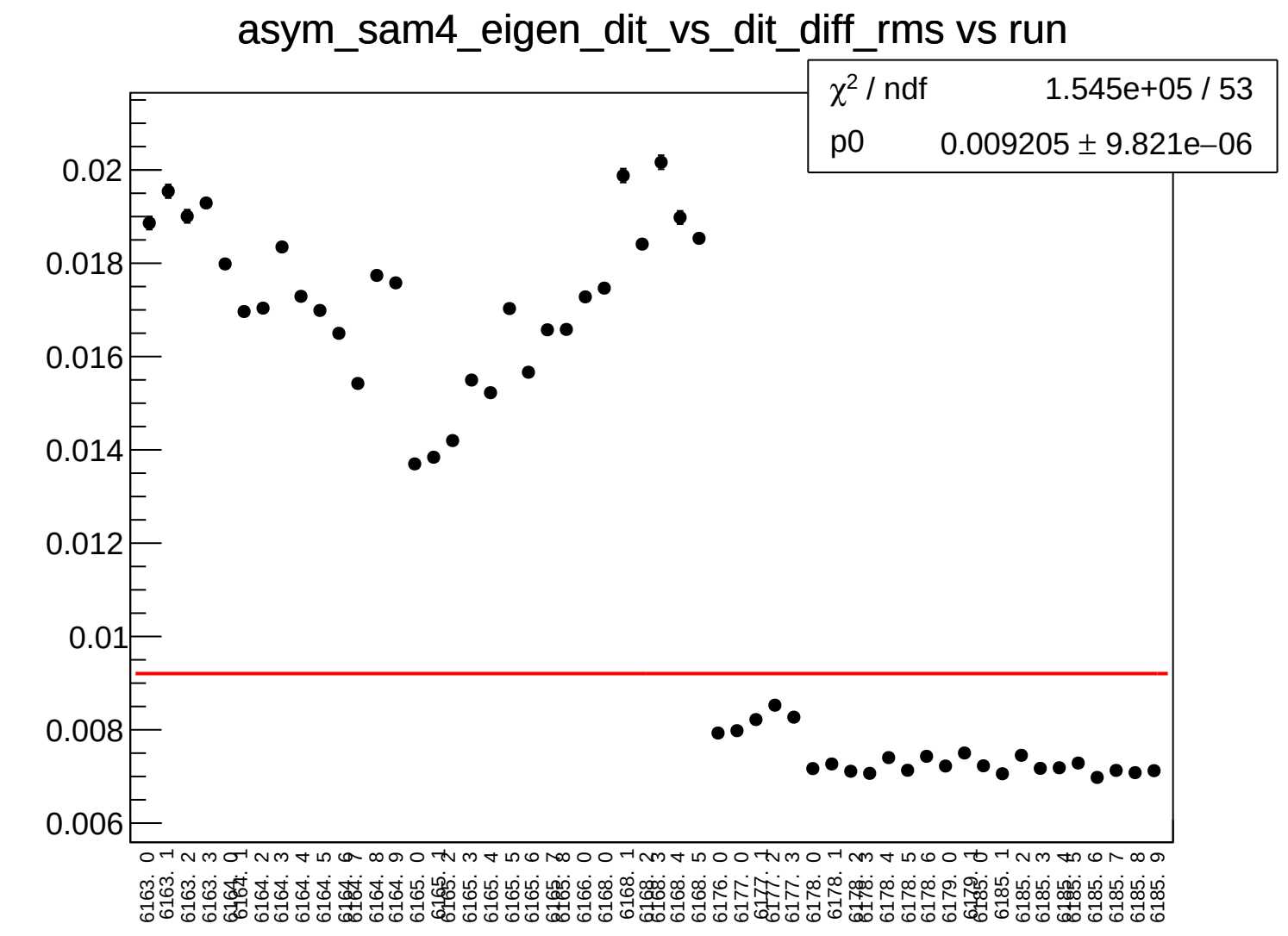

asym_sam4_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 58.53 / 53
p0 0.1974 ± 0.1485
pull
Entries 54
Mean 49.25
Std Dev 0

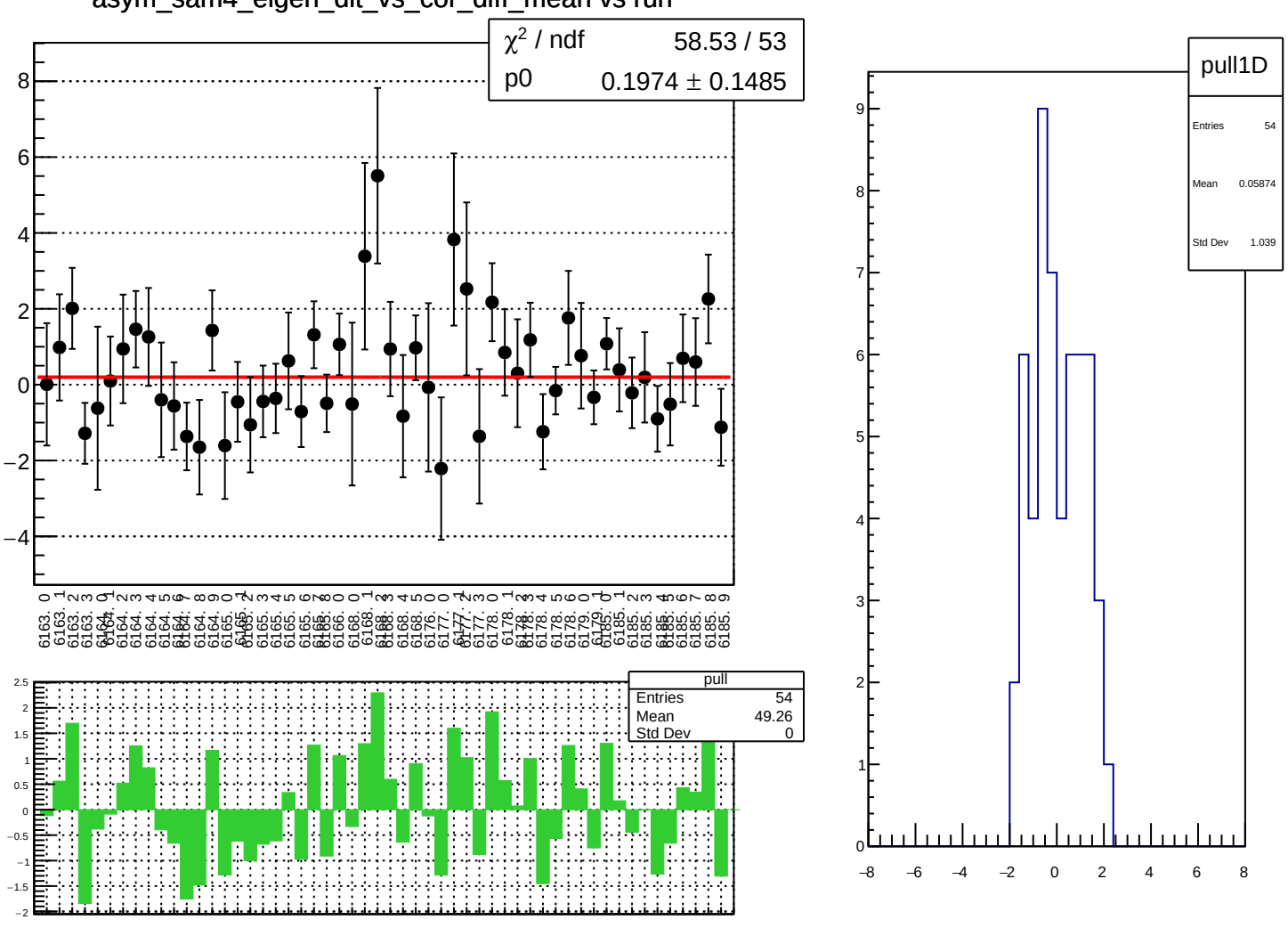

pull1D
Entries 54
Mean 0.05875
Std Dev 1.039

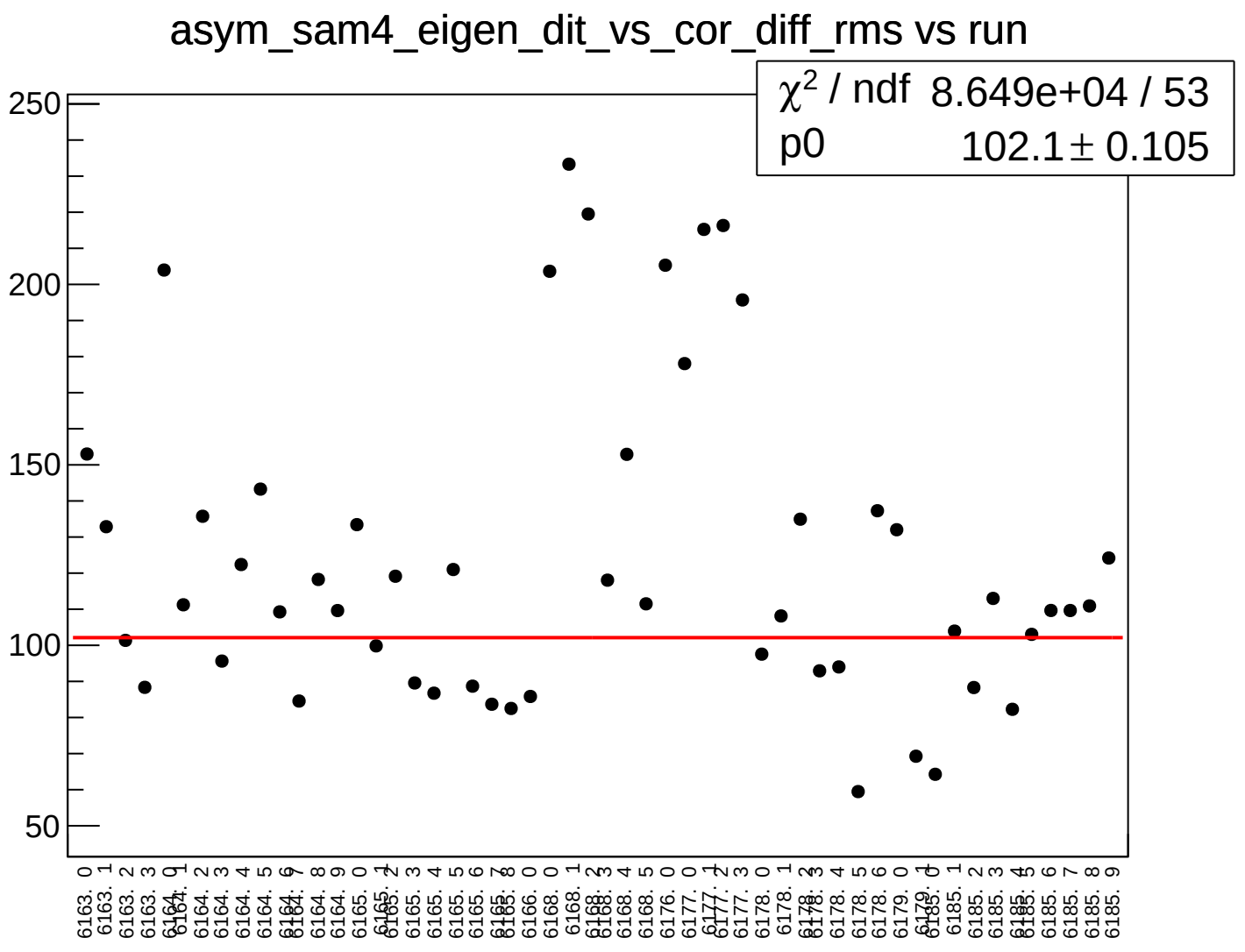

asym_sam4_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.65e+04 / 53
p0 102.1 ± 0.105
250
200
150
100
50
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

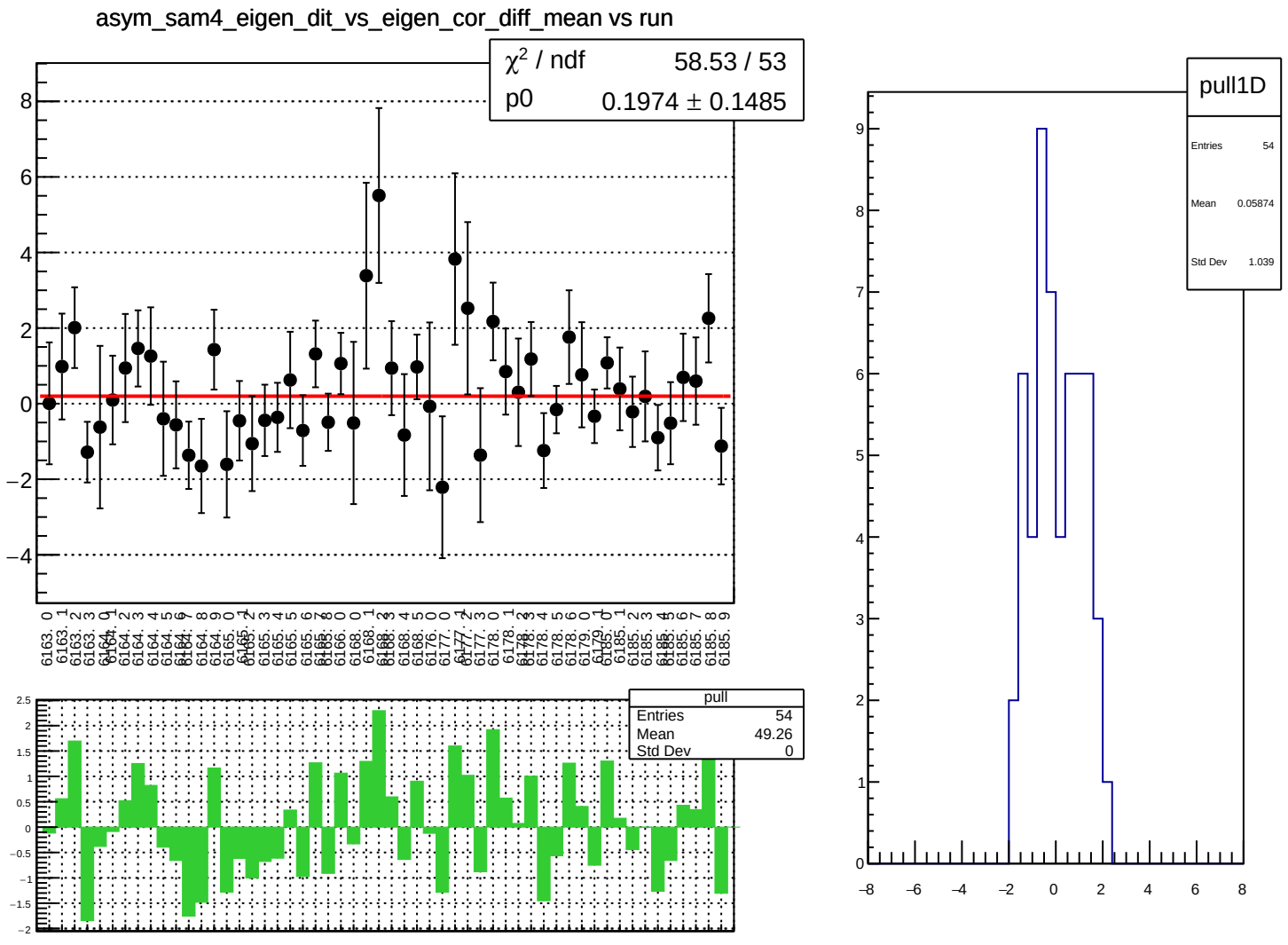

asym_sam4_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 66.81 / 53
p0 −1.994e−06 ± 1.389e−05
pull
Entries 54
Mean 1.413
Std Dev 0

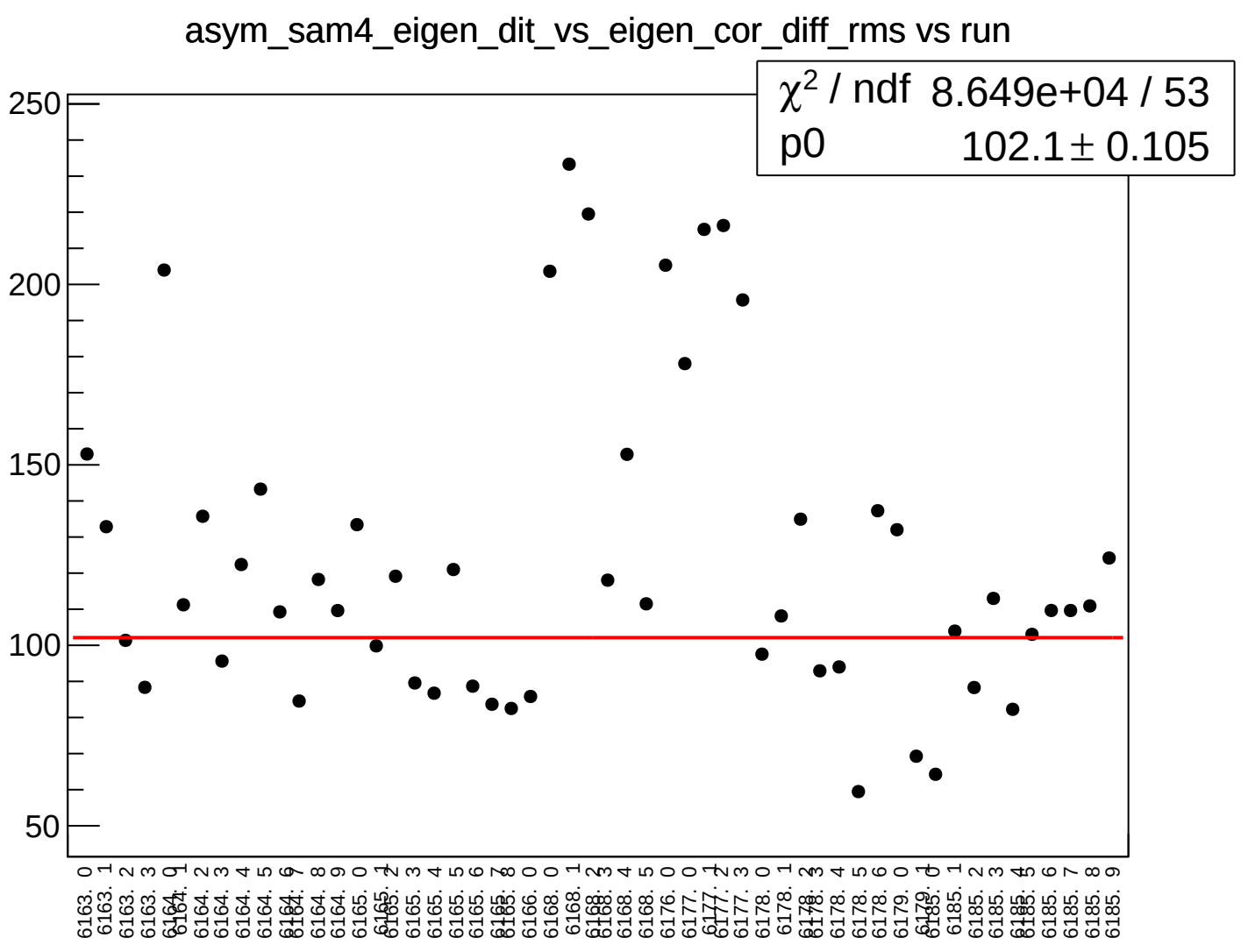

pull1D
Entries 54
Mean −0.07032
Std Dev 1.11

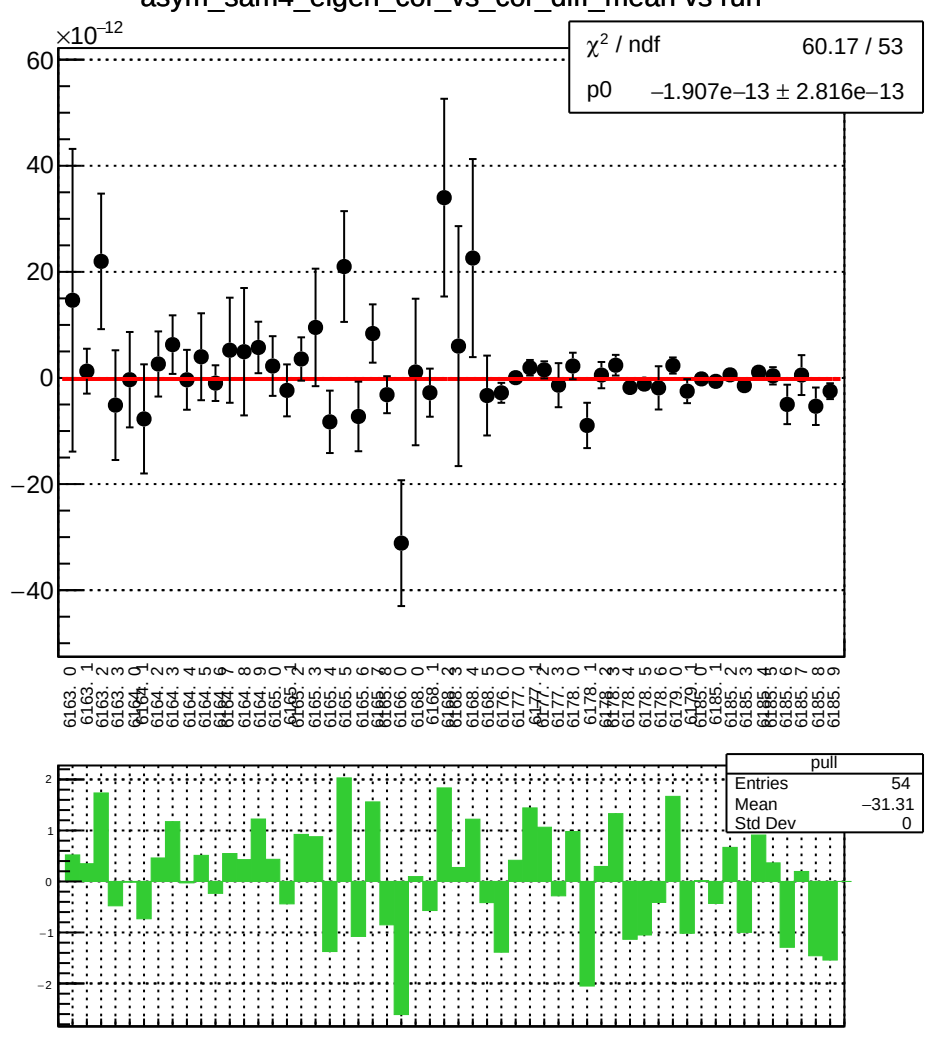

asym_sam4_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.545e+05 / 53
p0 0.009205 ± 9.821e−06
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

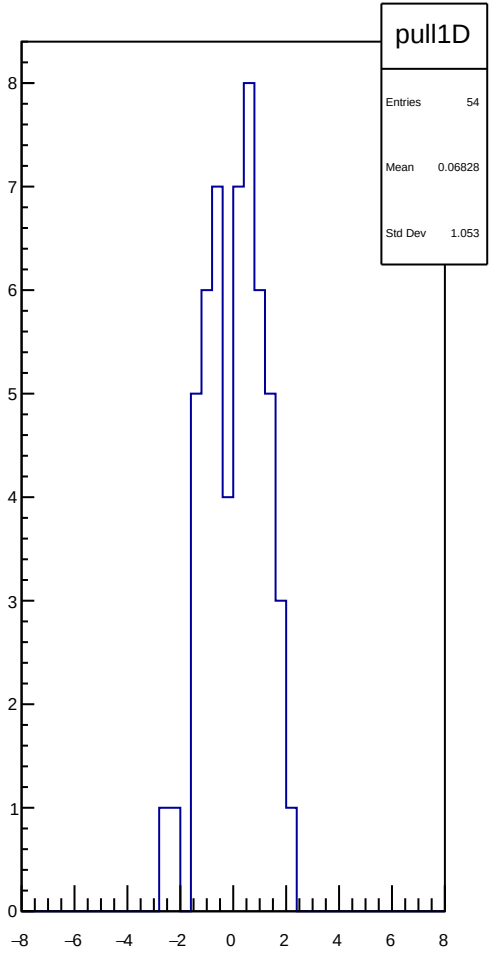

asym_sam4_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 58.53 / 53
p0 0.1974 ± 0.1485
pull
Entries 54
Mean 49.26
Std Dev 0
pull1D
Entries 54
Mean 0.05874
Std Dev 1.039

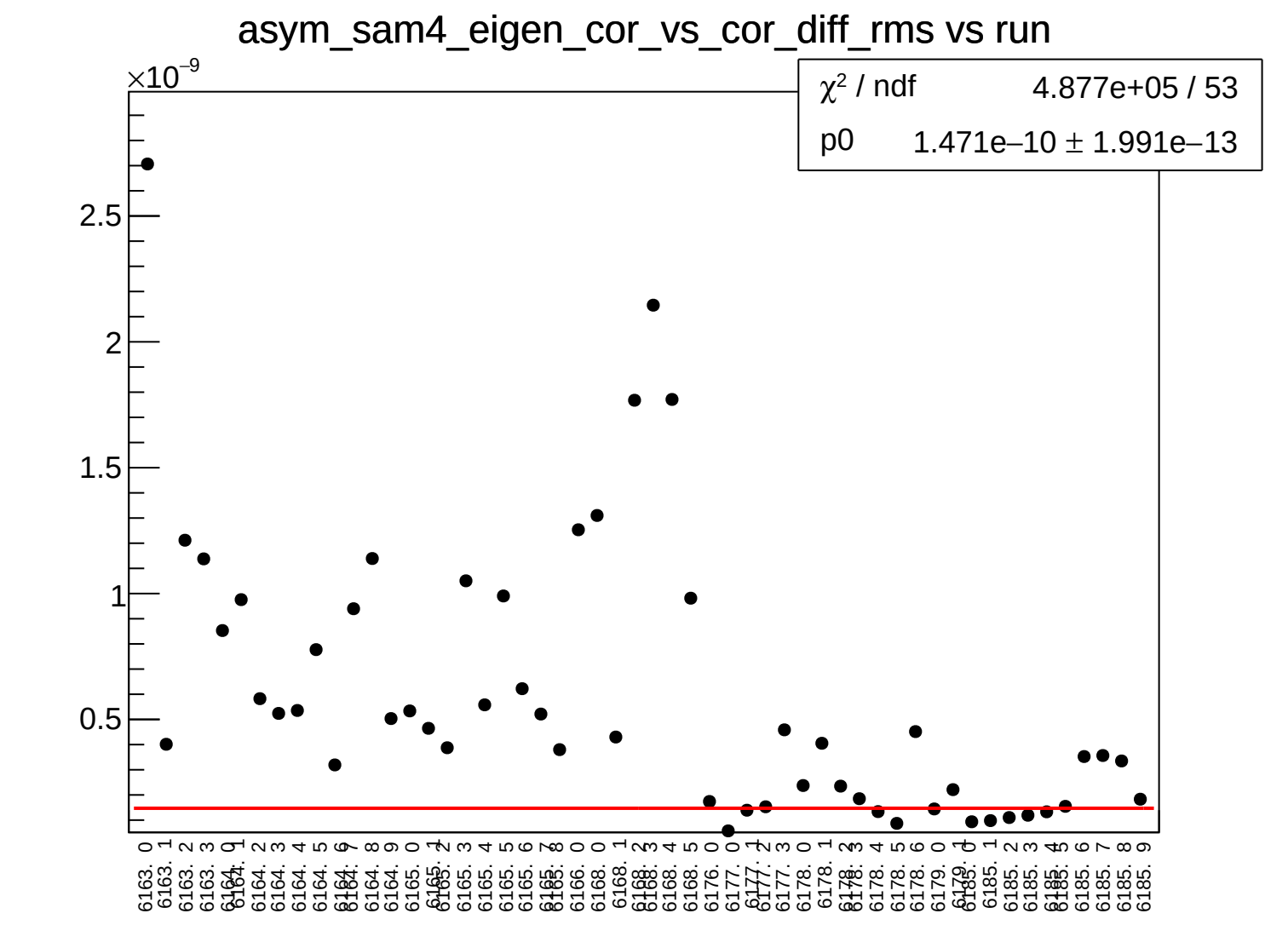

asym_sam4_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 8.649e+04 / 53
p0 102.1 ± 0.105
250
200
150
100
50
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

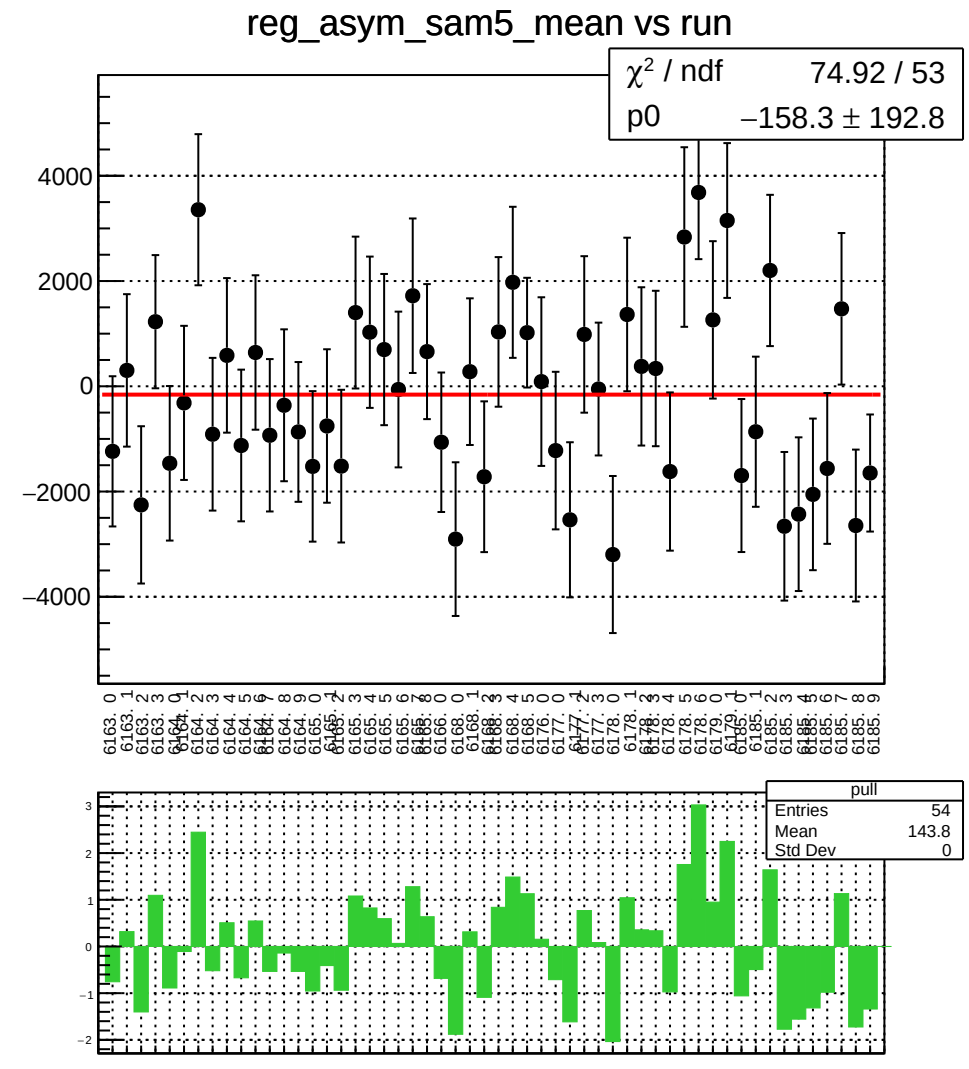

asym_sam4_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 58.53 / 53
p0 0.1974 ± 0.1485
pull
Entries 54
Mean 49.26
Std Dev 0
pull1D
Entries 54
Mean 0.05874
Std Dev 1.039

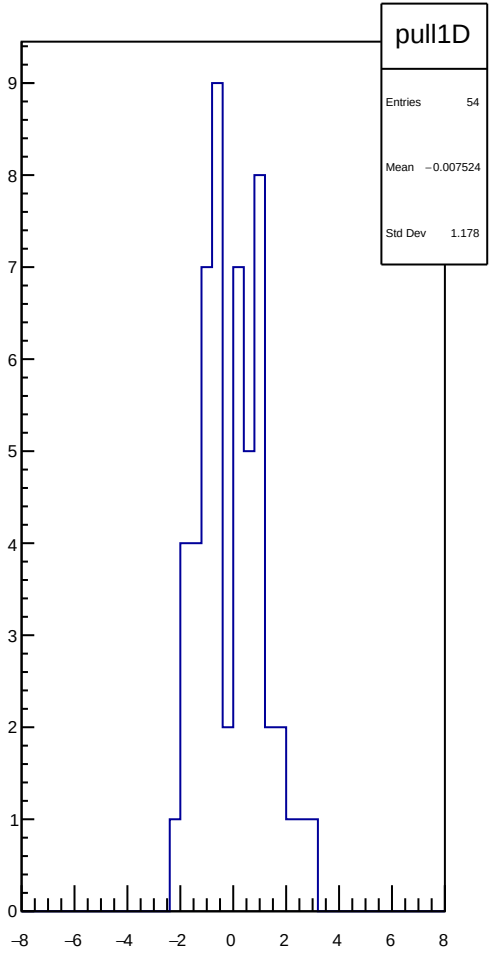

asym_sam4_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.649e+04 / 53
p0 102.1 ± 0.105
250
200
150
100
50
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

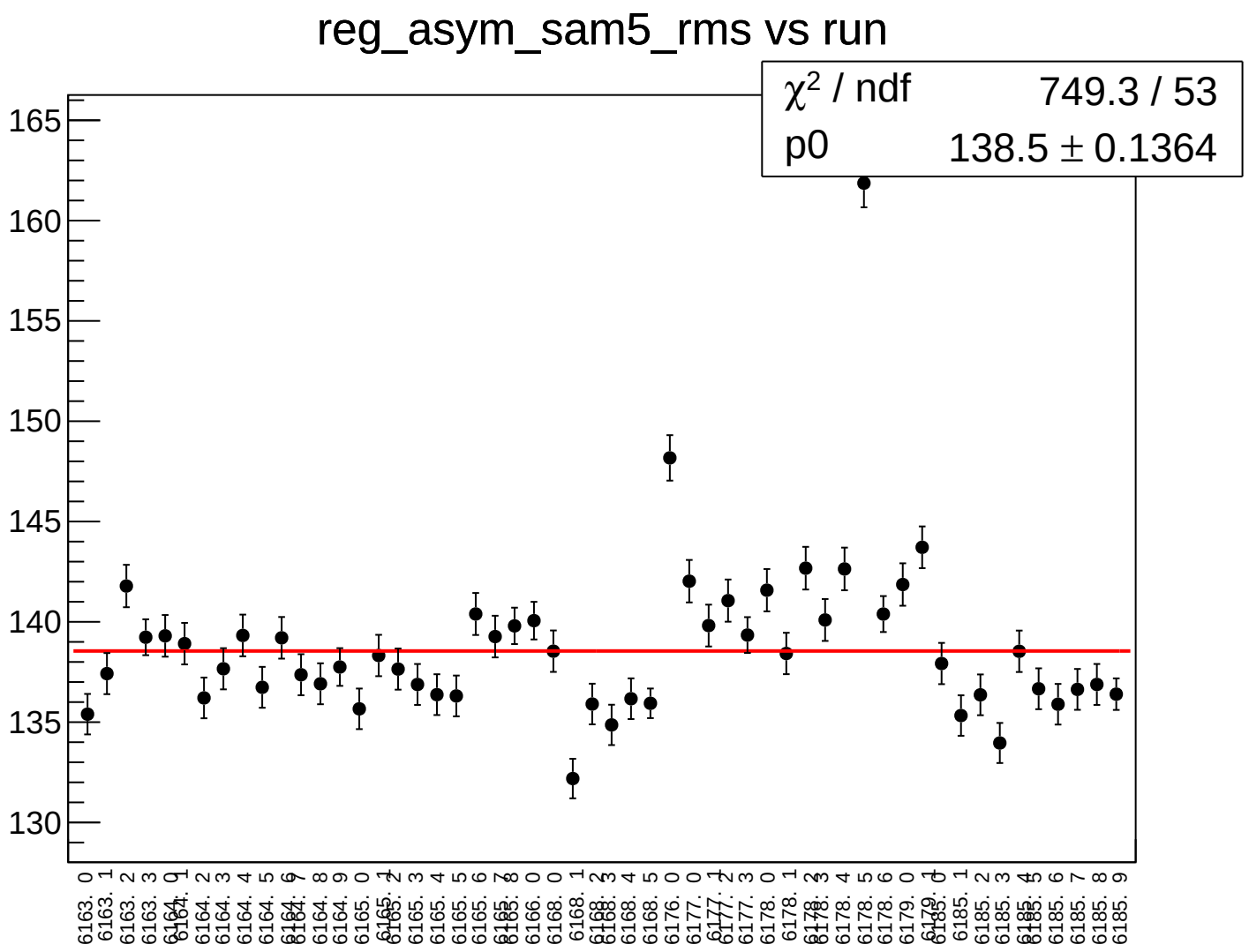

asym_sam4_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 60.17 / 53
p0 −1.907e−13 ± 2.816e−13
pull
Entries 54
Mean −31.31
Std Dev 0

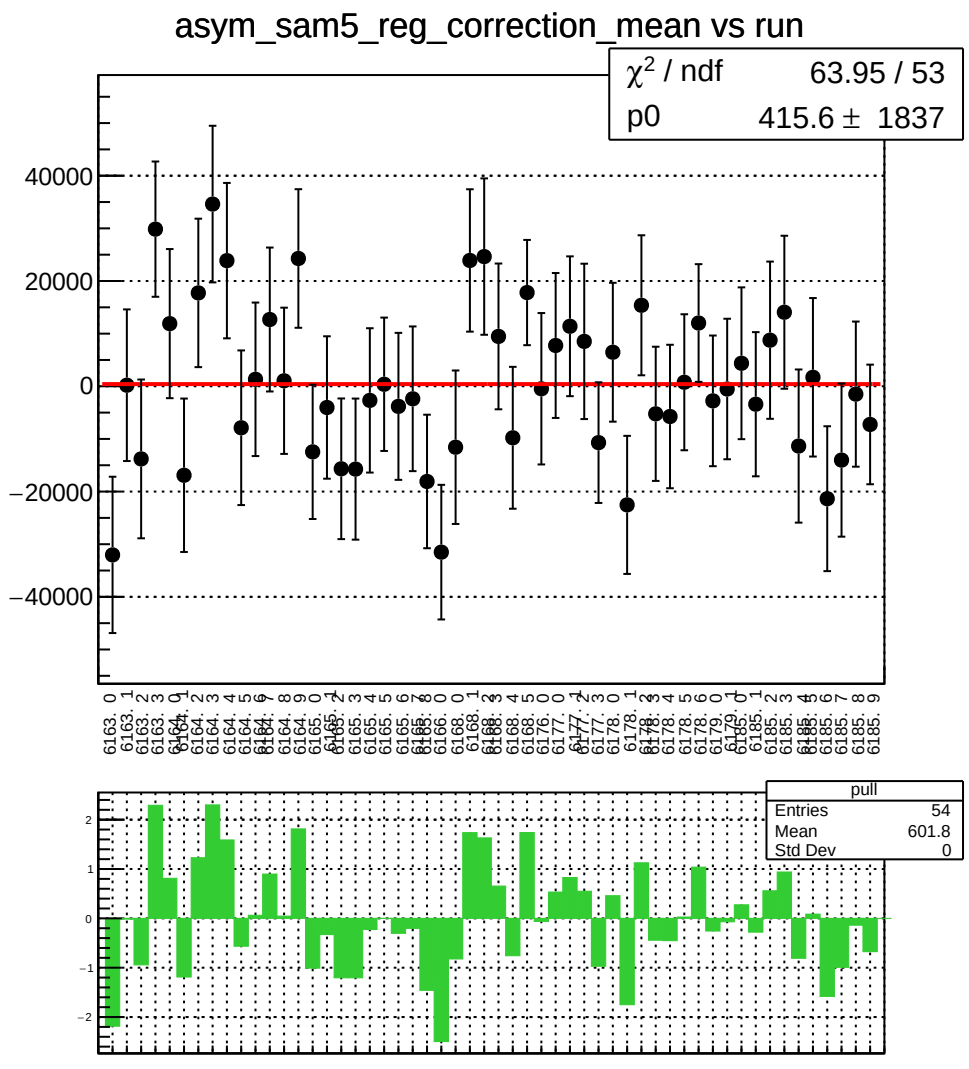

pull1D
Entries 54
Mean 0.06828
Std Dev 1.053

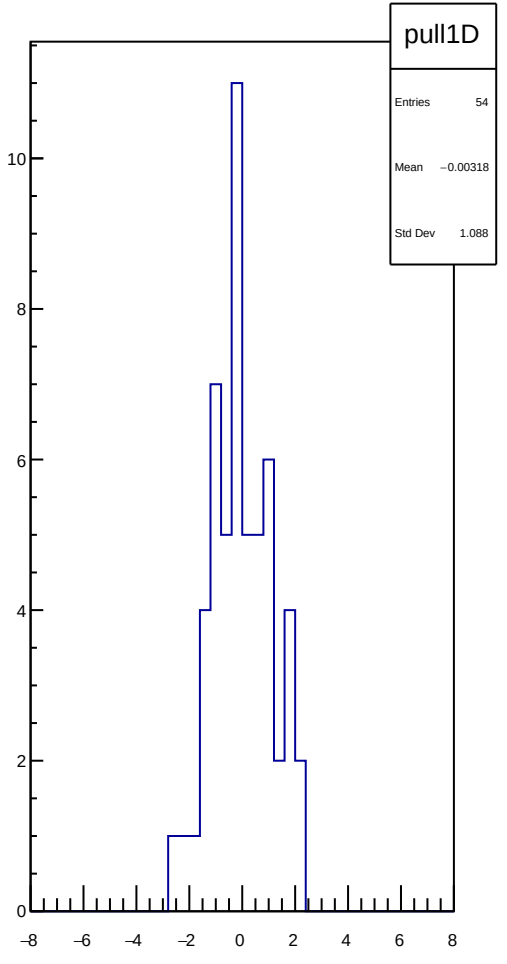

asym_sam4_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.877e+05 / 53
p0 1.471e−10 ± 1.991e−13
2.5
2
1.5
1
0.5
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

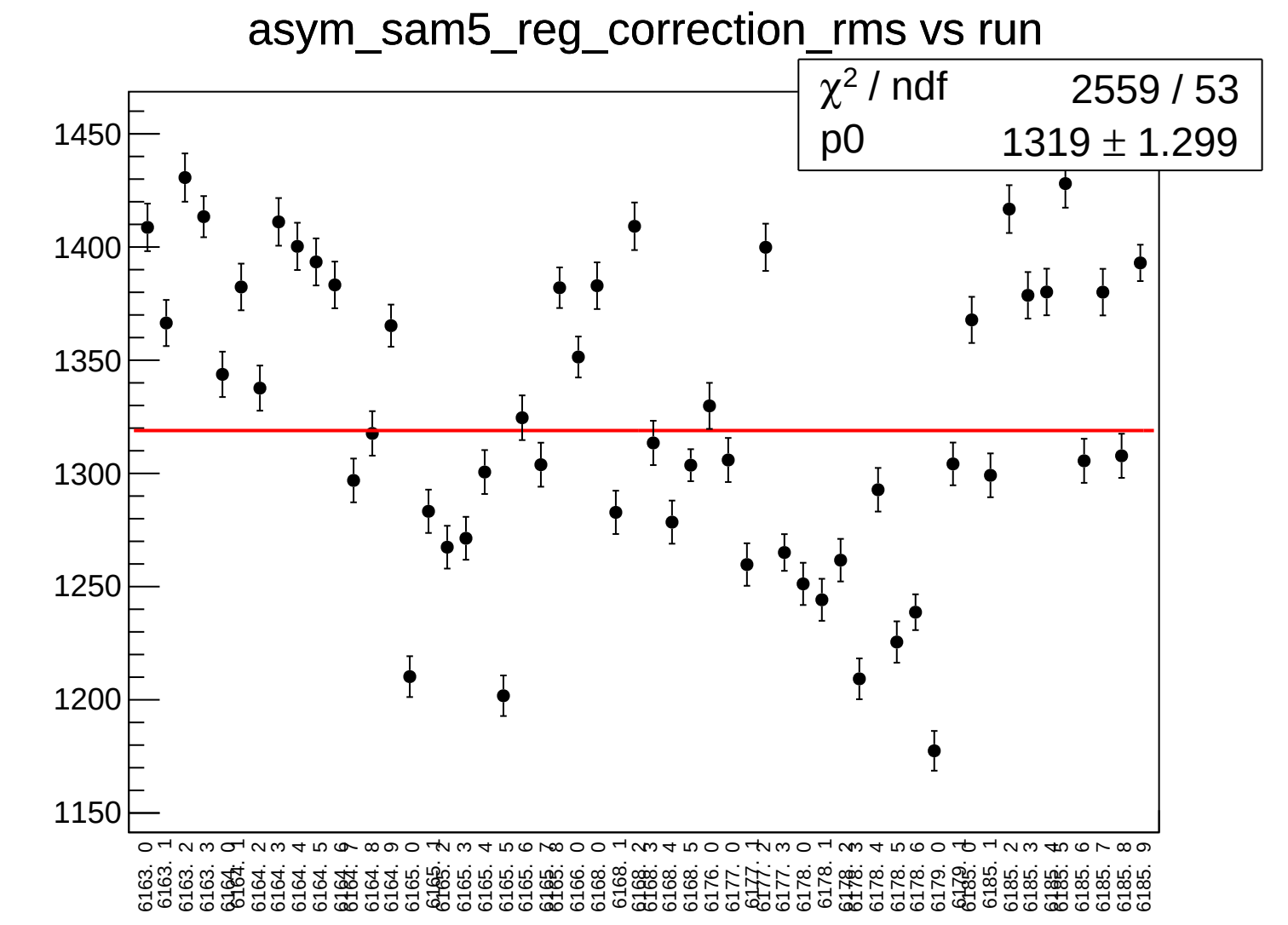

reg_asym_sam5_mean vs run
χ² / ndf 74.92 / 53
p0 −158.3 ± 192.8
4000
2000
0
−2000
−4000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 0
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 6
6164. 7
6164. 8
6164. 9
6165. 0
6165. 1
6165. 2
6165. 3
6165. 4
6165. 5
6165. 6
6165. 7
6165. 8
6166. 0
6168. 0
6168. 1
6168. 2
6168. 3
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 2
6178. 3
6178. 4
6178. 5
6178. 6
6179. 0
6179. 1
6185. 1
6185. 2
6185. 3
6185. 4
6185. 5
6185. 6
6185. 7
6185. 8
6185. 9
pull
Entries 54
Mean 143.8
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 54
Mean −0.007524
Std Dev 1.178
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_sam5_rms vs run
χ² / ndf 749.3 / 53
p0 138.5 ± 0.1364
165
160
155
150
145
140
135
130
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


asym_sam5_reg_correction_mean vs run
χ² / ndf 63.95 / 53
p0 415.6 ± 1837
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 601.8
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 54
Mean −0.00318
Std Dev 1.088
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam5_reg_correction_rms vs run
χ² / ndf 2559 / 53
p0 1319 ± 1.299
1450
1400
1350
1300
1250
1200
1150
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
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6185. 6
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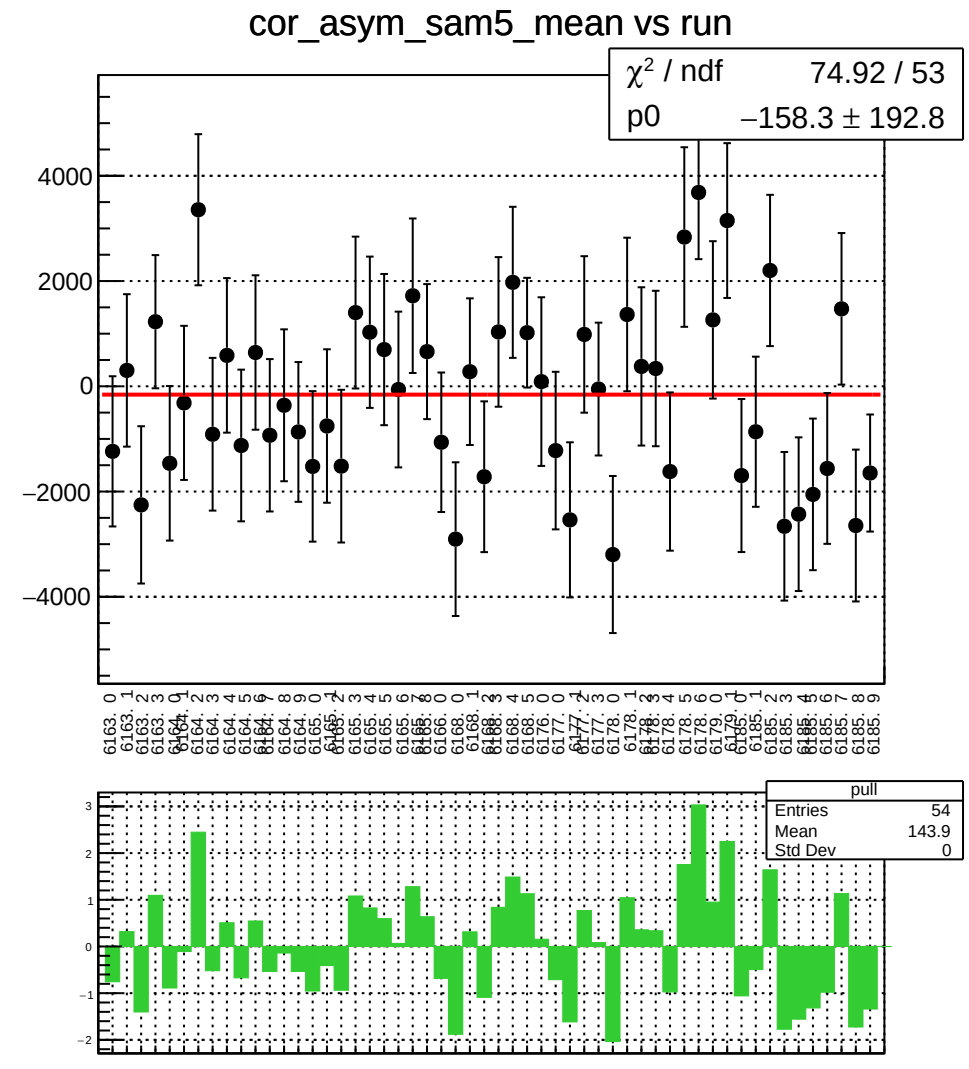
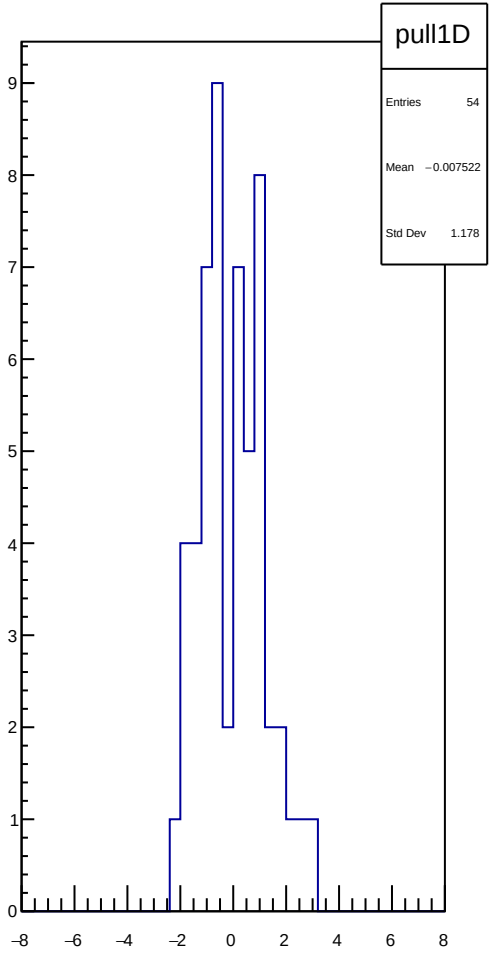
6185. 8
6185. 9


cor_asym_sam5_mean vs run
χ² / ndf 74.92 / 53
p0 −158.3 ± 192.8
4000
2000
0
−2000
−4000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 0
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 6
6164. 7
6164. 8
6164. 9
6165. 0
6165. 1
6165. 2
6165. 3
6165. 4
6165. 5
6165. 6
6165. 7
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6179. 1
6185. 1
6185. 2
6185. 3
6185. 4
6185. 6
6185. 7
6185. 8
6185. 9
pull
Entries 54
Mean 143.9
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 54
Mean −0.007522
Std Dev 1.178
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8
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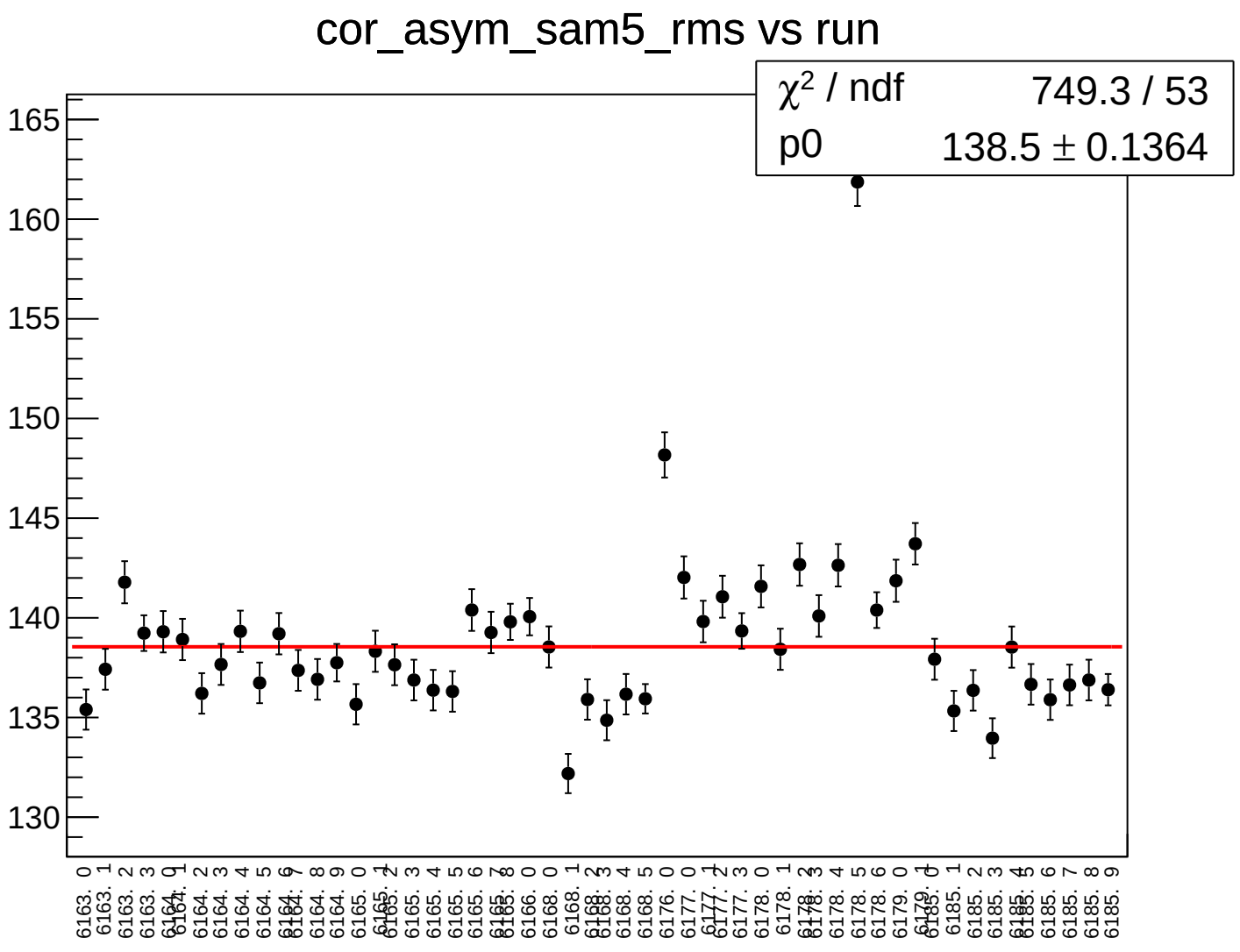
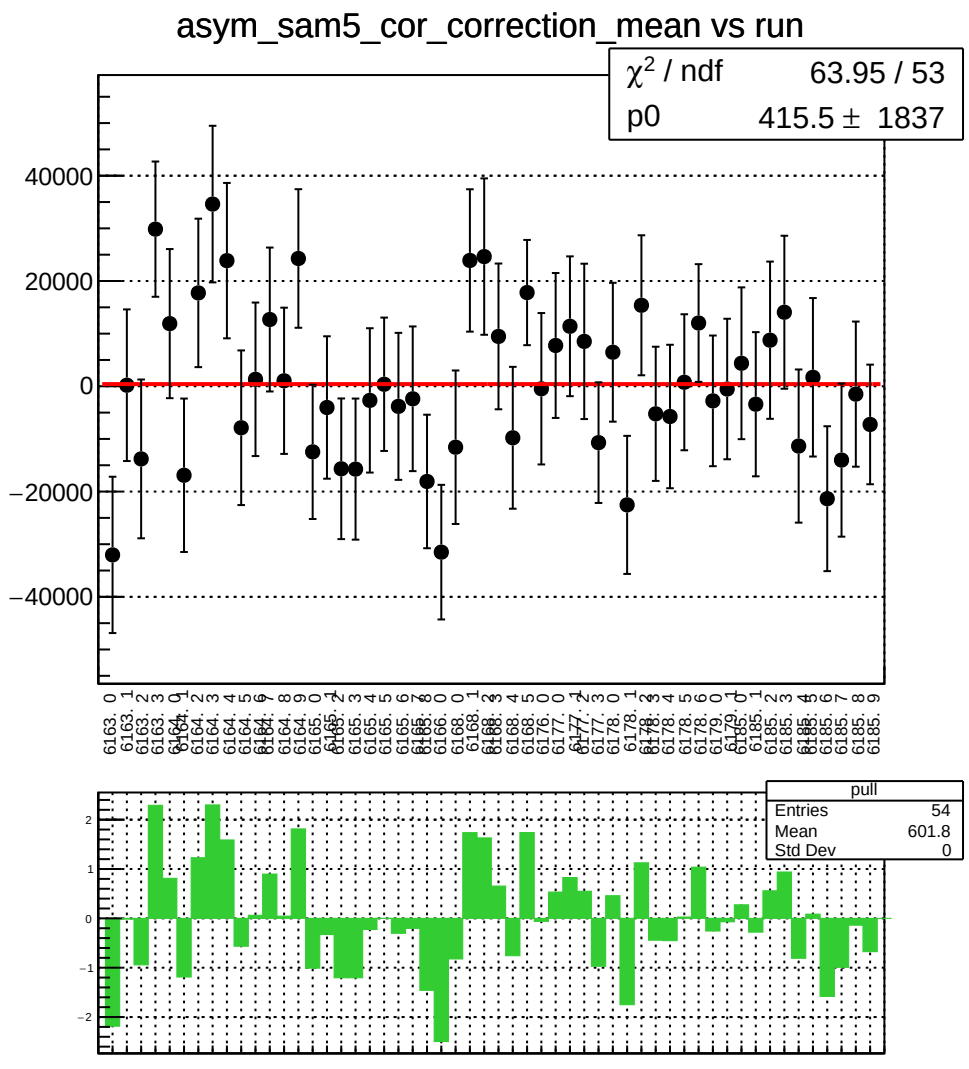
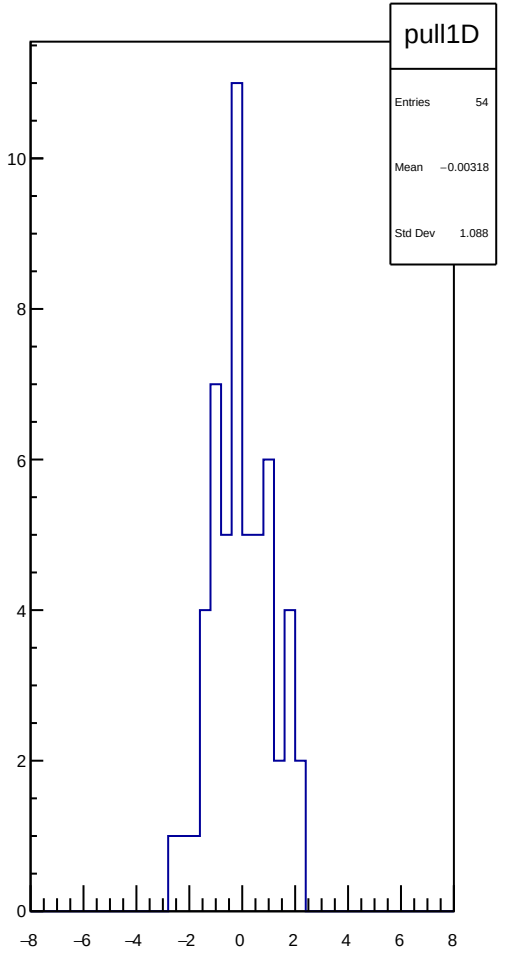
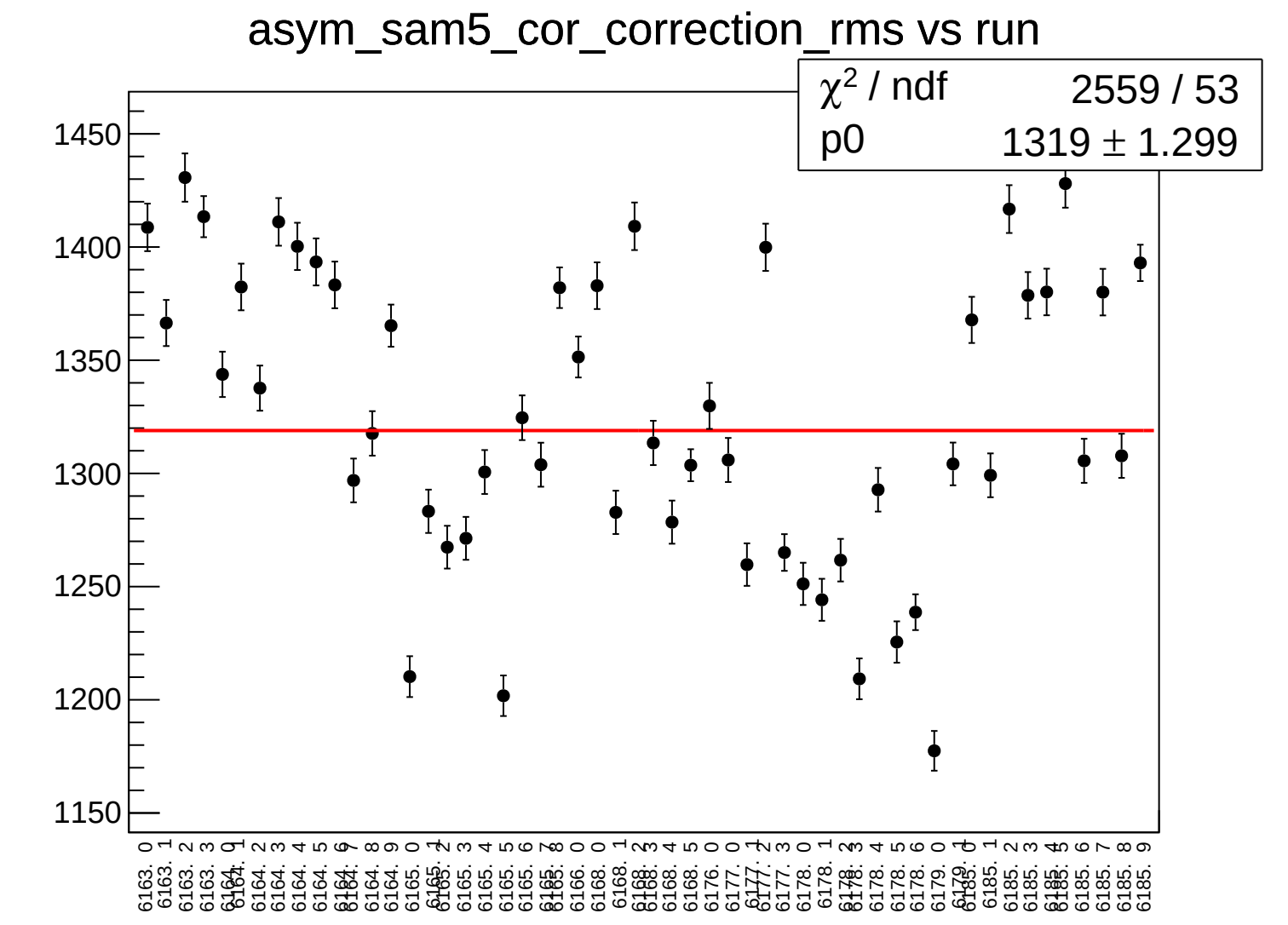
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_sam5_rms vs run
χ² / ndf 749.3 / 53
p0 138.5 ± 0.1364
165
160
155
150
145
140
135
130
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


asym_sam5_cor_correction_mean vs run
χ² / ndf 63.95 / 53
p0 415.5 ± 1837
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 601.8
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 54
Mean −0.00318
Std Dev 1.088
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam5_cor_correction_rms vs run
χ² / ndf 2559 / 53
p0 1319 ± 1.299
1450
1400
1350
1300
1250
1200
1150
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
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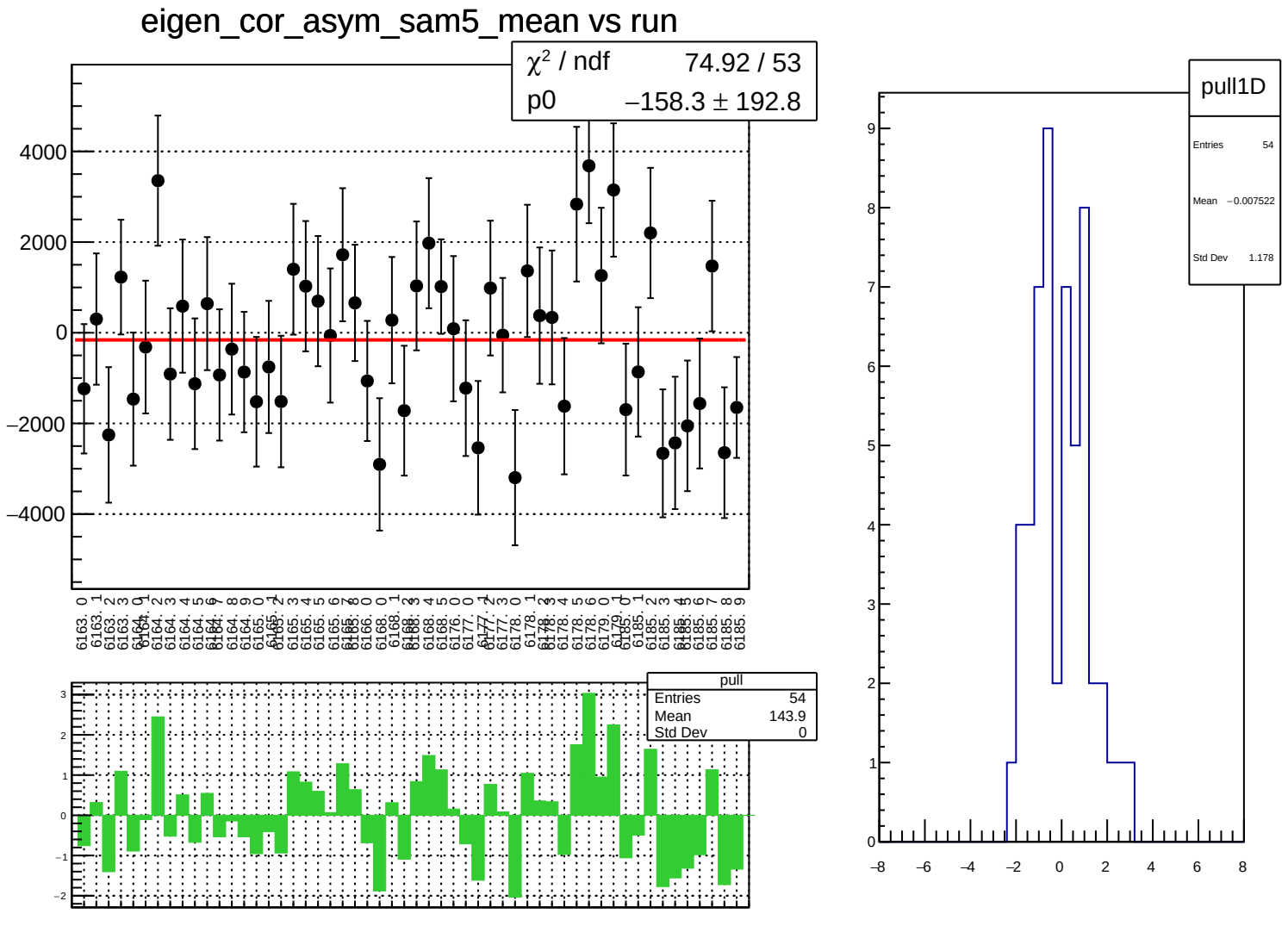
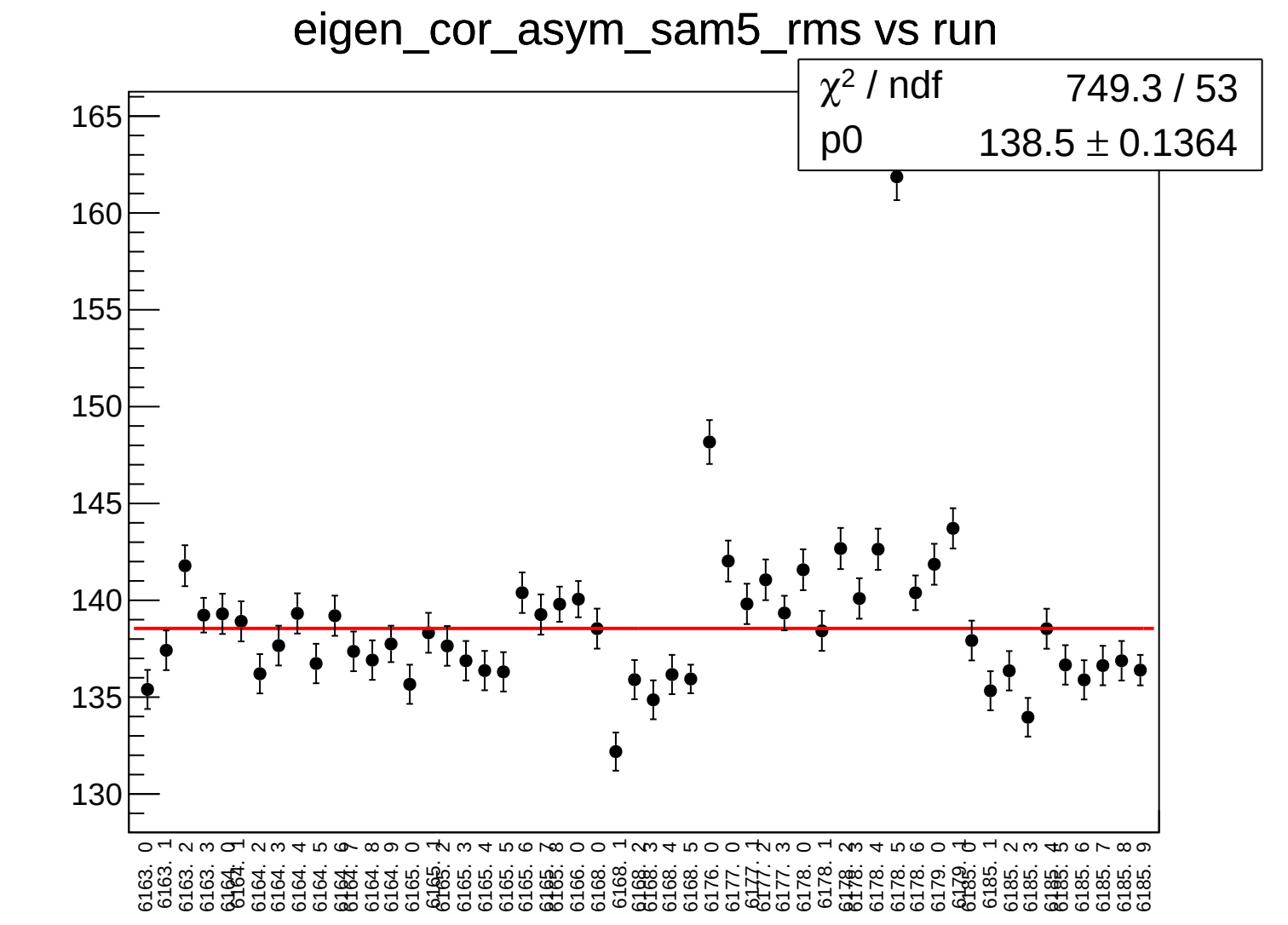
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


eigen_cor_asym_sam5_mean vs run
χ² / ndf 74.92 / 53
p0 −158.3 ± 192.8
4000
2000
0
−2000
−4000
pull
Entries 54
Mean 143.9
Std Dev 0
pull1D
Entries 54
Mean −0.007522
Std Dev 1.178


eigen_cor_asym_sam5_rms vs run
χ² / ndf 749.3 / 53
p0 138.5 ± 0.1364
165
160
155
150
145
140
135
130
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
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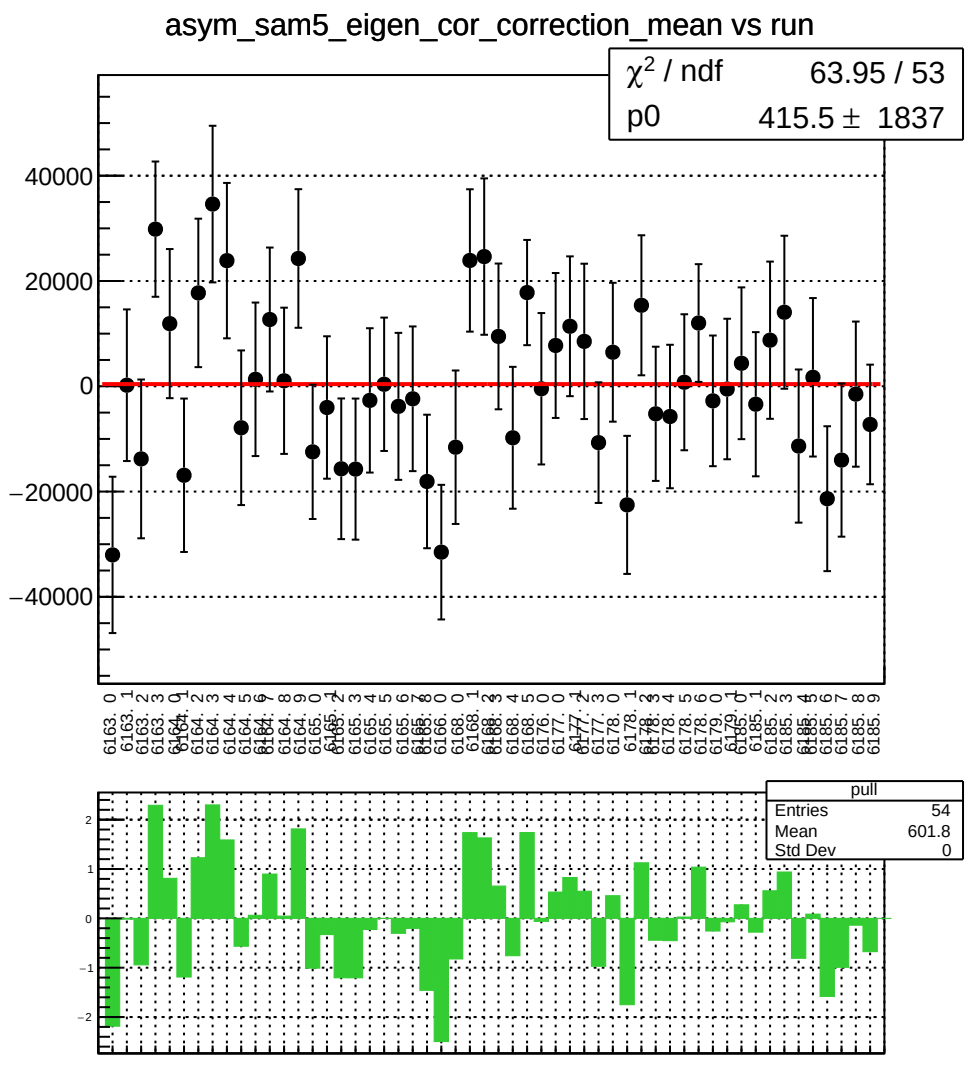
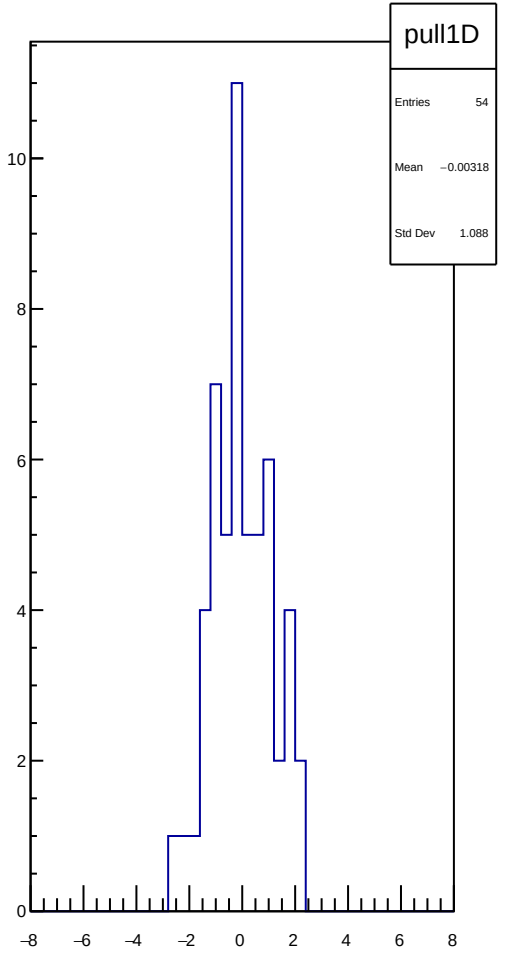
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


asym_sam5_eigen_cor_correction_mean vs run
χ² / ndf 63.95 / 53
p0 415.5 ± 1837
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 601.8
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 54
Mean −0.00318
Std Dev 1.088
10
8
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4
2
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−4
−2
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2
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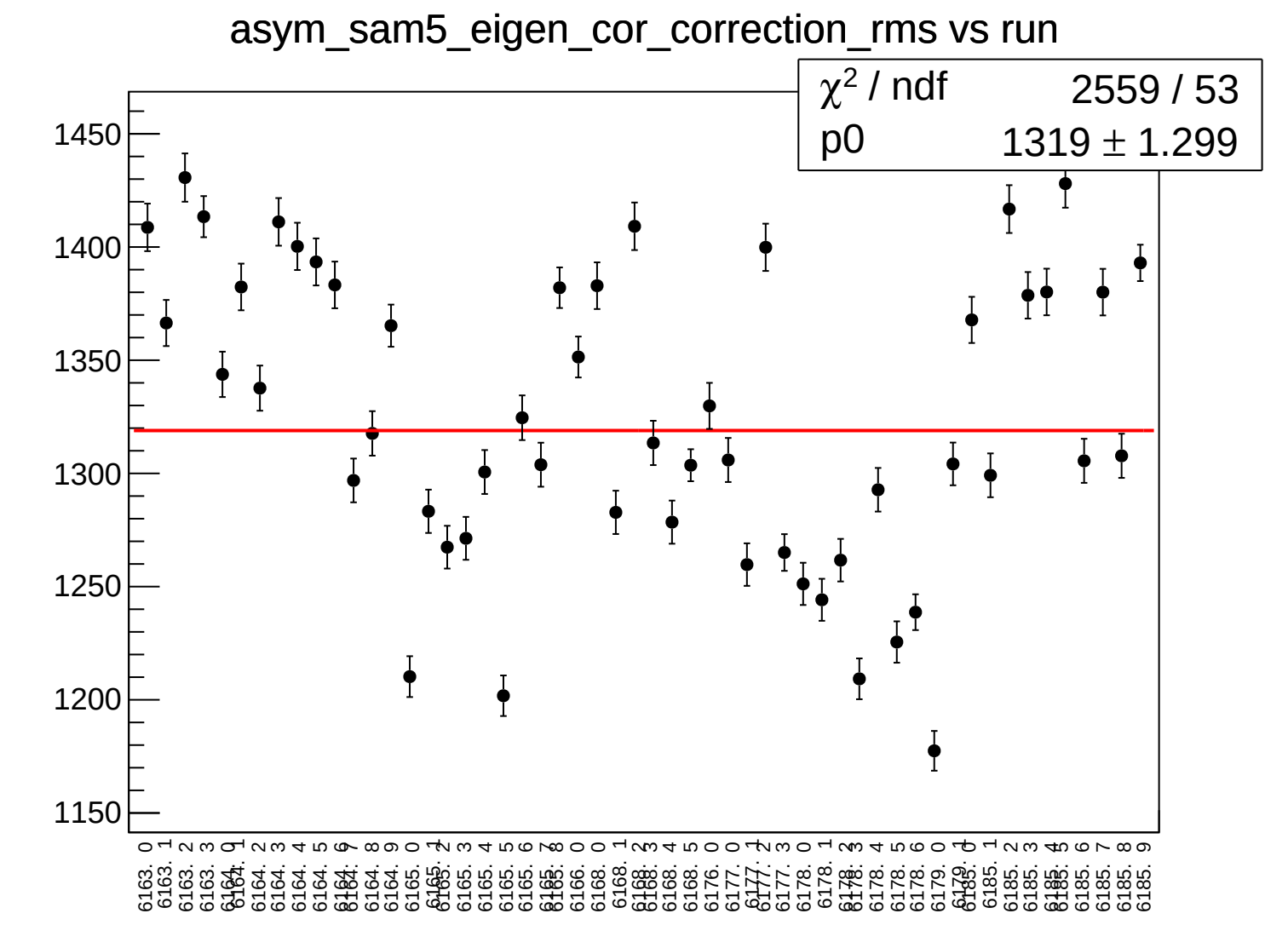
6
8


asym_sam5_eigen_cor_correction_rms vs run
χ² / ndf 2559 / 53
p0 1319 ± 1.299
1450
1400
1350
1300
1250
1200
1150
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
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6179. 0
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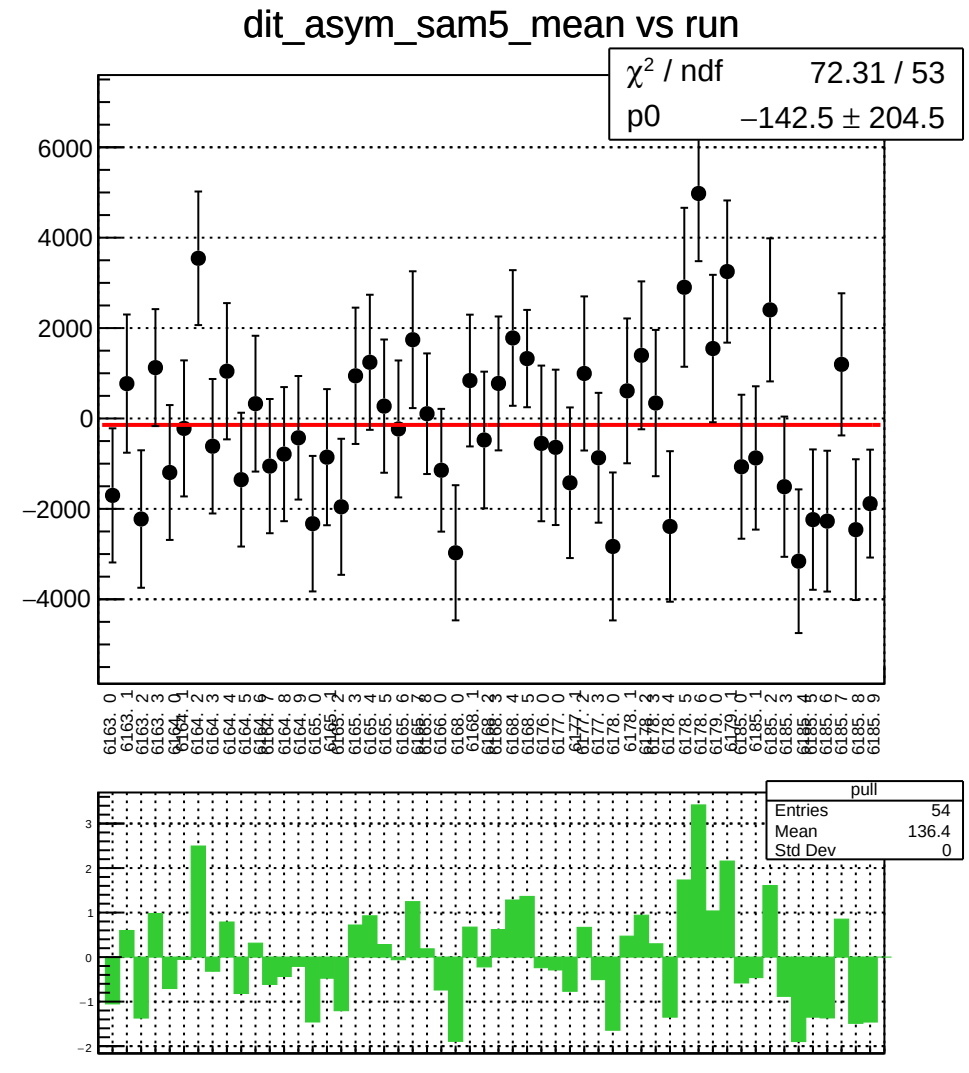
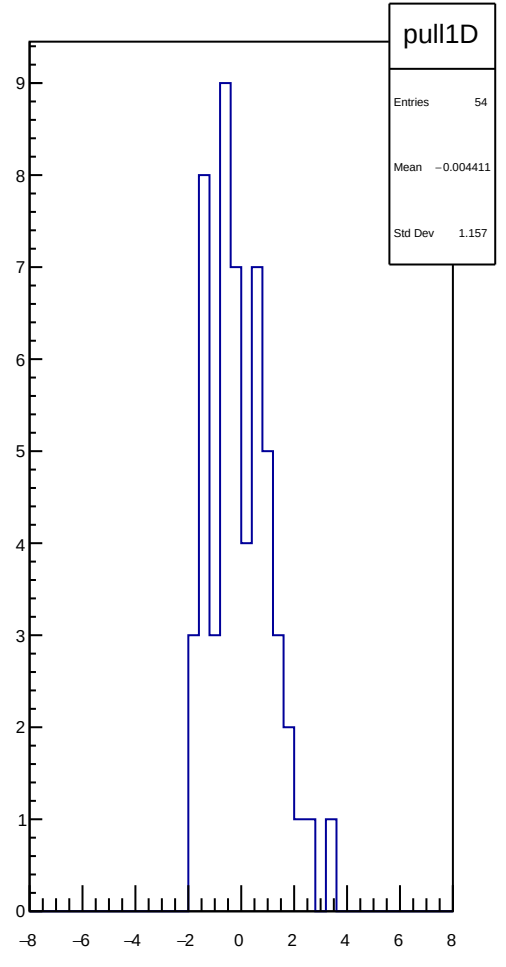
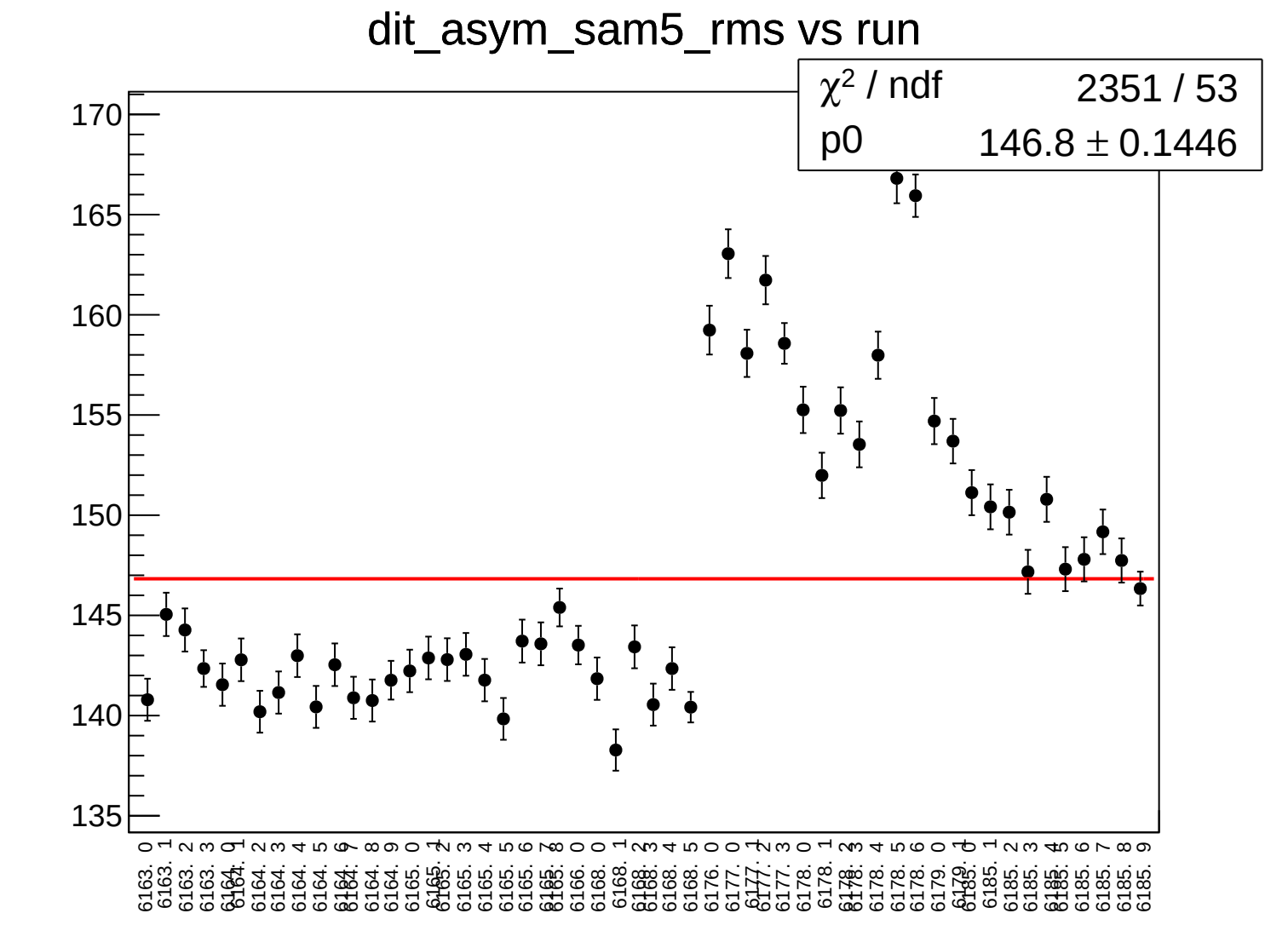
6185. 6
6185. 7
6185. 8
6185. 9


dit_asym_sam5_mean vs run
χ² / ndf 72.31 / 53
p0 −142.5 ± 204.5
6000
4000
2000
0
−2000
−4000
pull
Entries 54
Mean 136.4
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 54
Mean −0.004411
Std Dev 1.157
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_sam5_rms vs run
χ² / ndf 2351 / 53
p0 146.8 ± 0.1446
170
165
160
155
150
145
140
135
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
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6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
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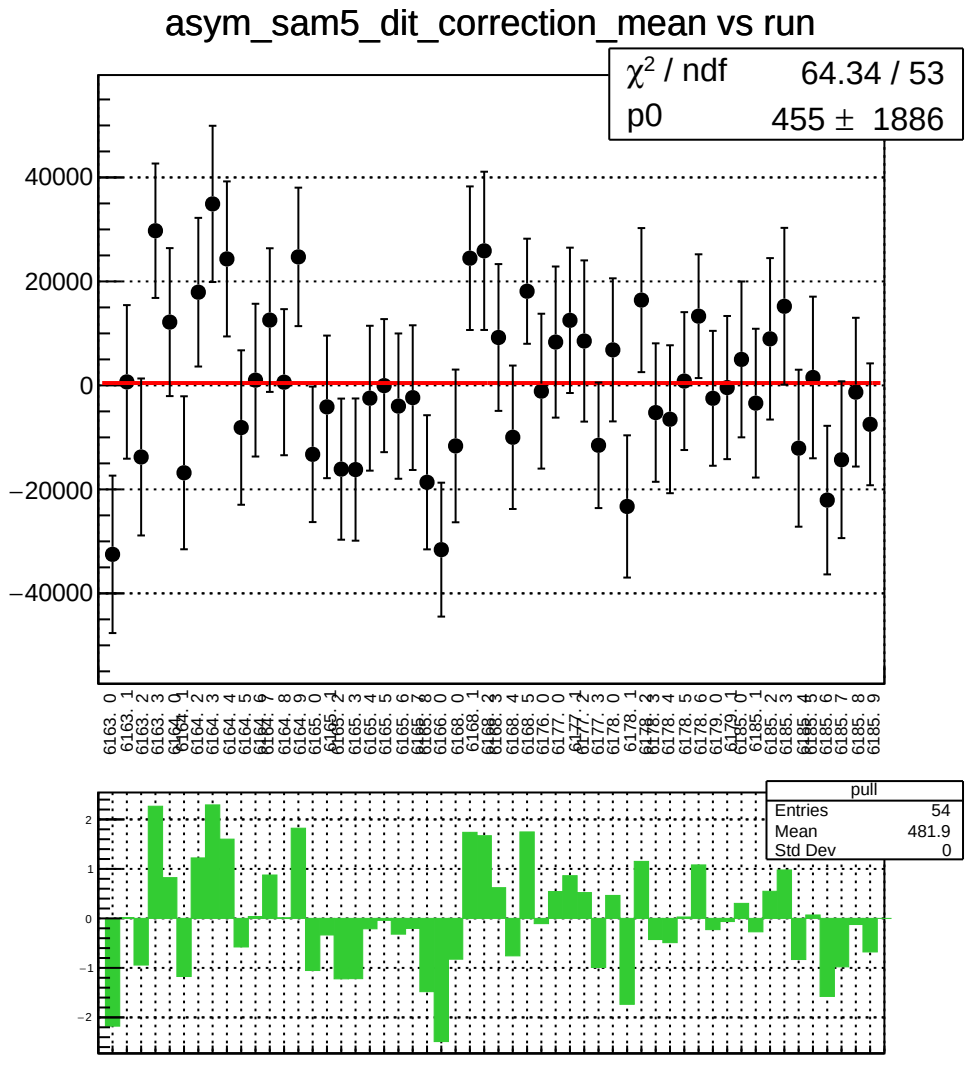
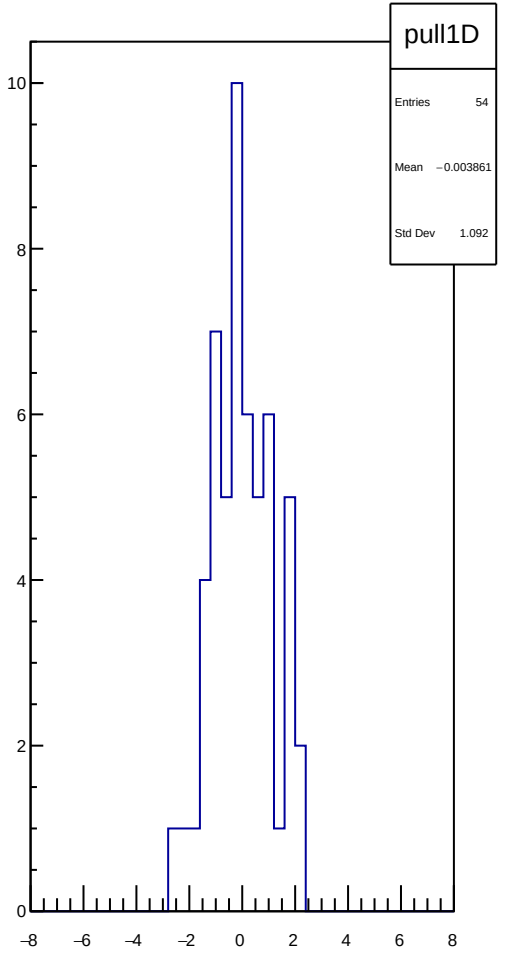
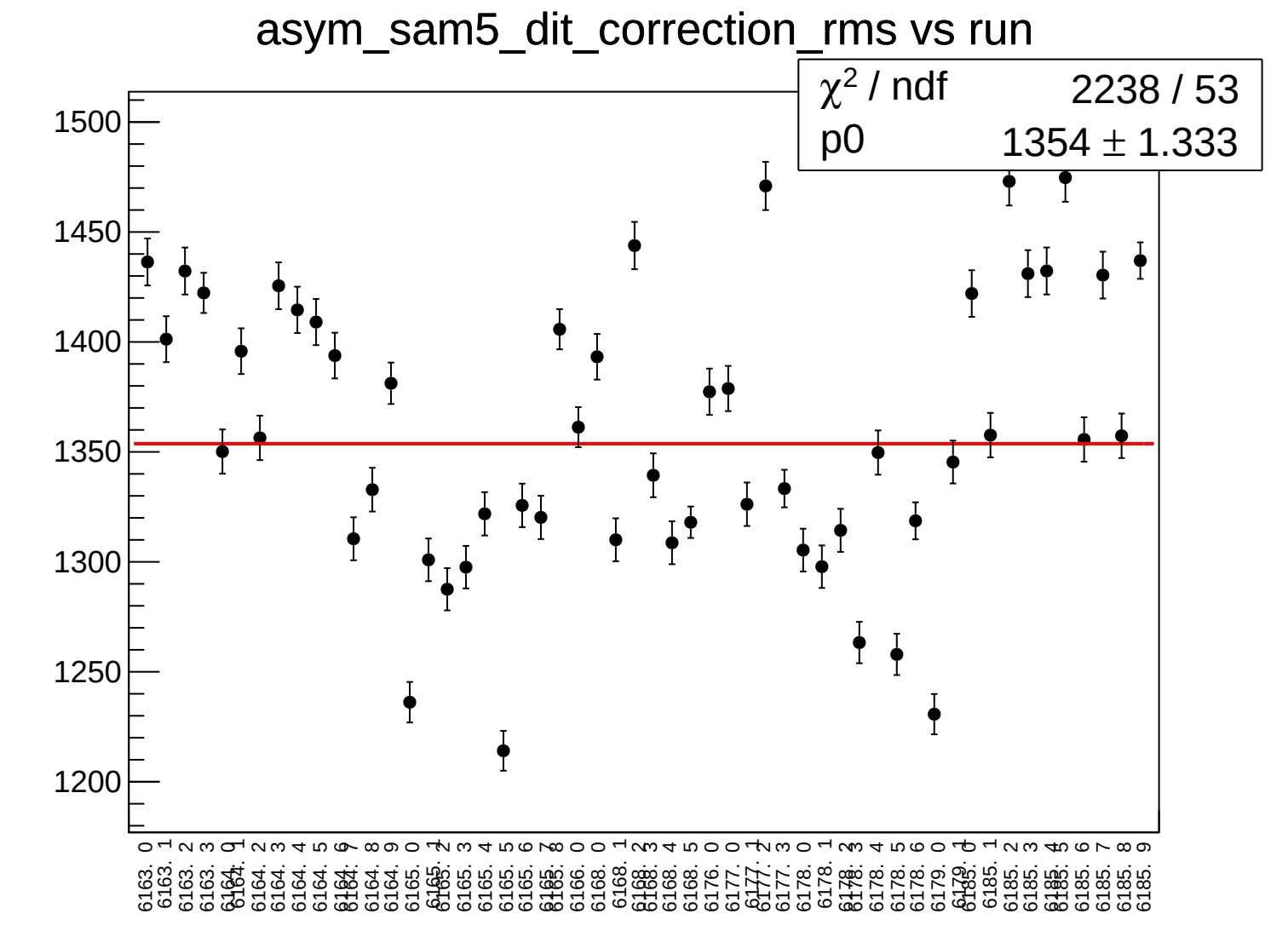
6185. 8
6185. 9


asym_sam5_dit_correction_mean vs run
χ² / ndf 64.34 / 53
p0 455 ± 1886
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 481.9
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 54
Mean −0.003861
Std Dev 1.092
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam5_dit_correction_rms vs run
χ² / ndf 2238 / 53
p0 1354 ± 1.333
1500
1450
1400
1350
1300
1250
1200
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
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6179. 0
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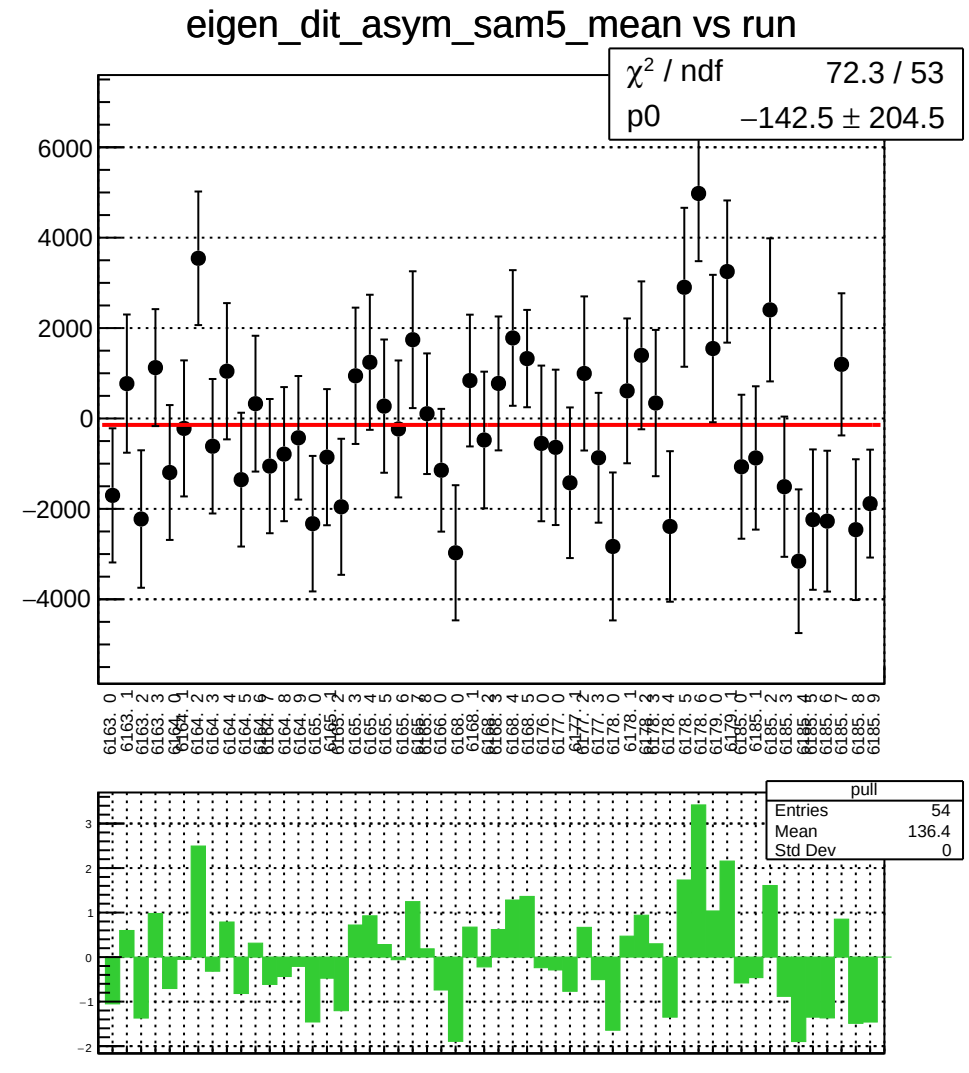
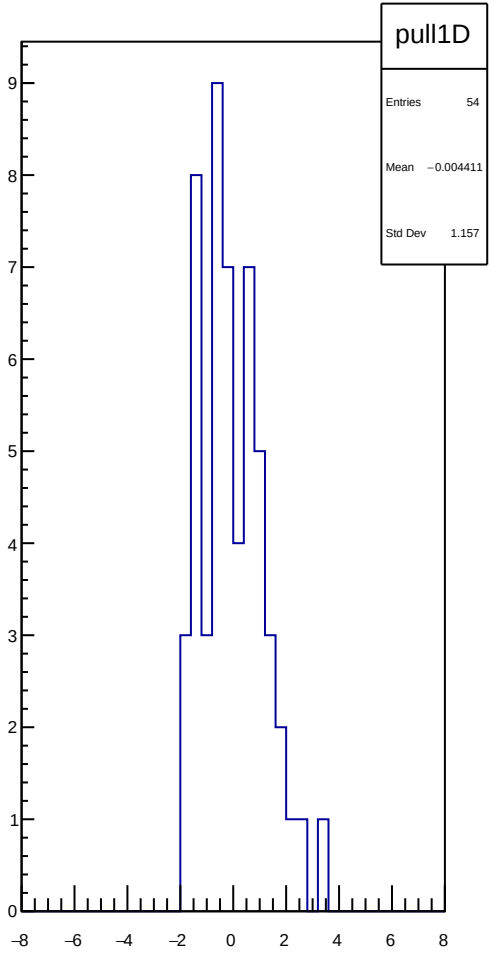
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


eigen_dit_asym_sam5_mean vs run
χ² / ndf 72.3 / 53
p0 −142.5 ± 204.5
6000
4000
2000
0
−2000
−4000
pull
Entries 54
Mean 136.4
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 54
Mean −0.004411
Std Dev 1.157
9
8
7
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5
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1
0
−8
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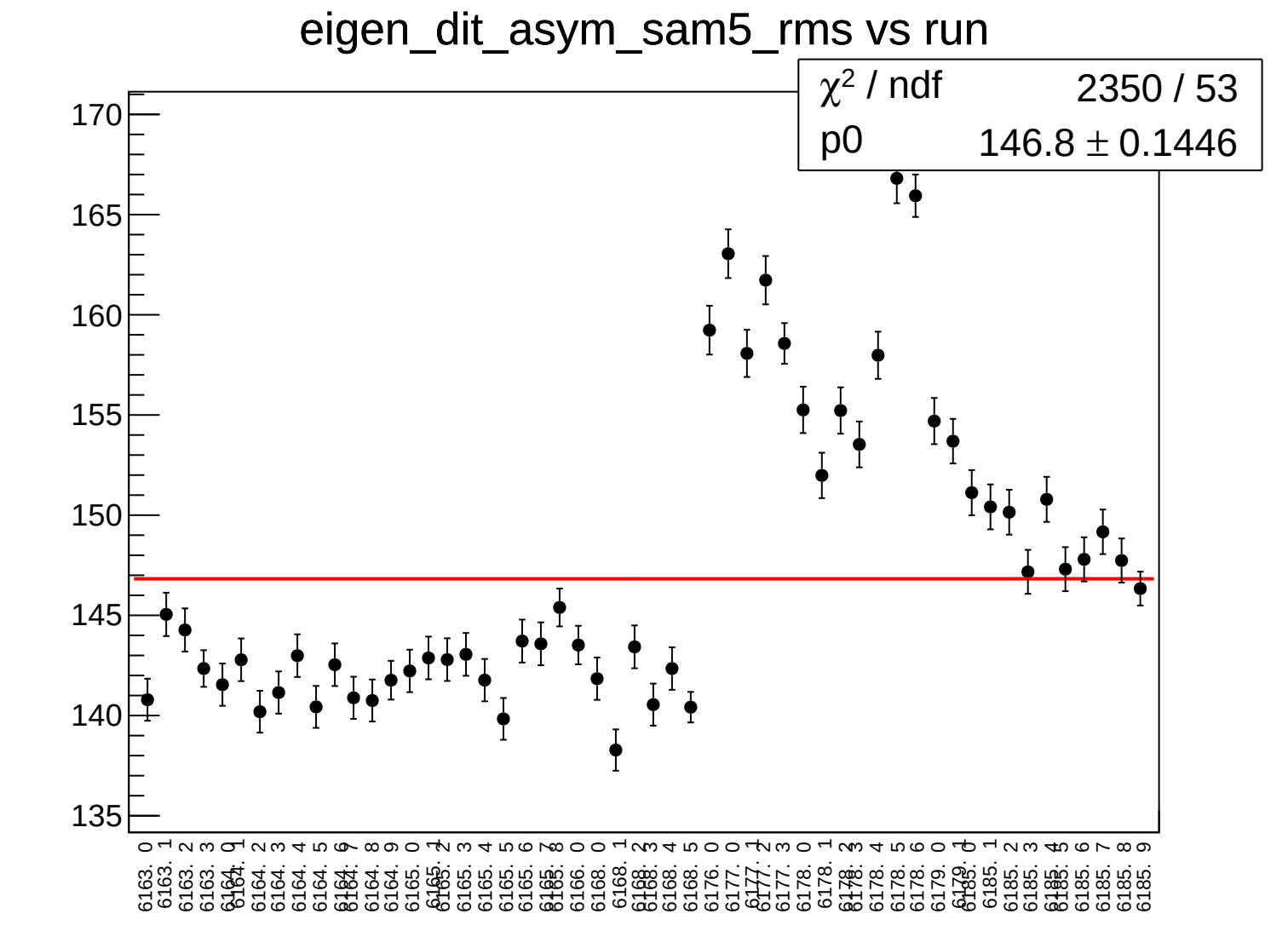
−4
−2
0
2
4
6
8


eigen_dit_asym_sam5_rms vs run
χ² / ndf 2350 / 53
p0 146.8 ± 0.1446
170
165
160
155
150
145
140
135
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
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6179. 0
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6185. 3
6185. 6
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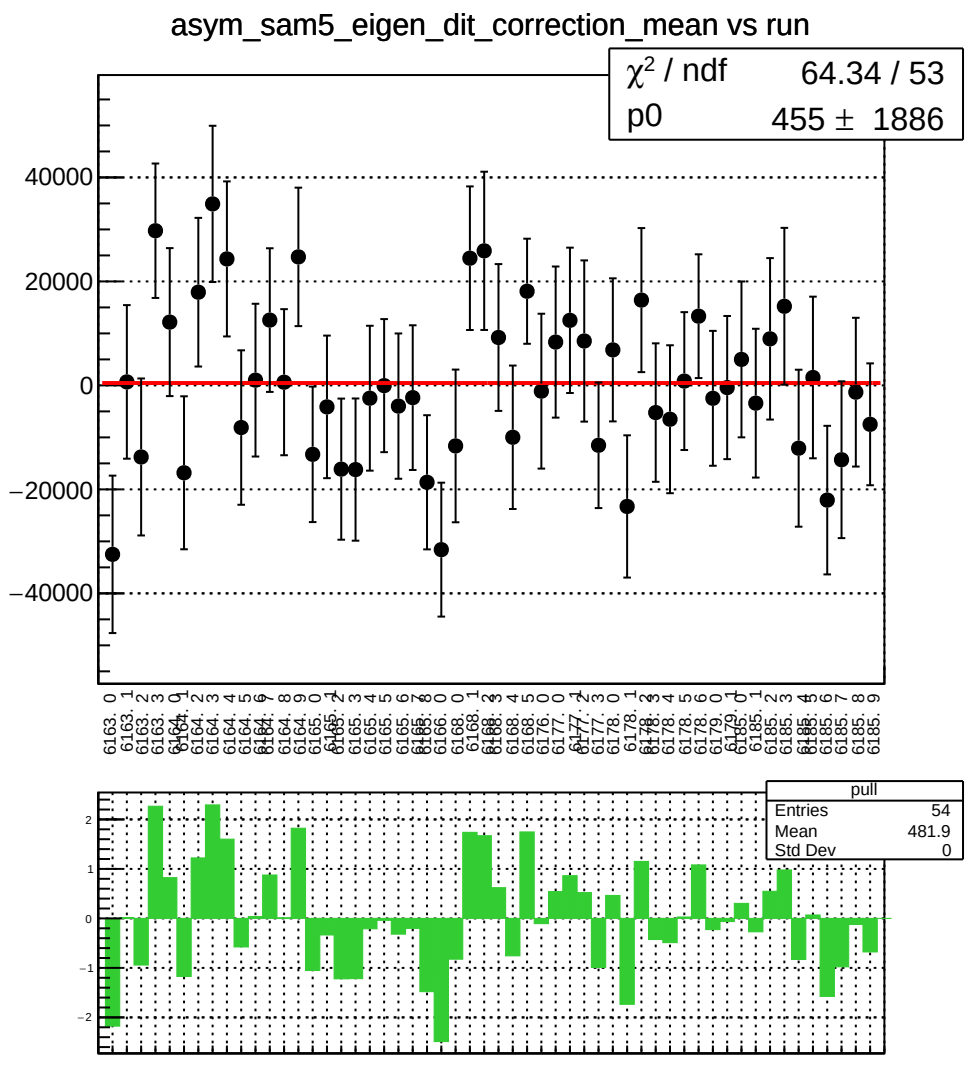
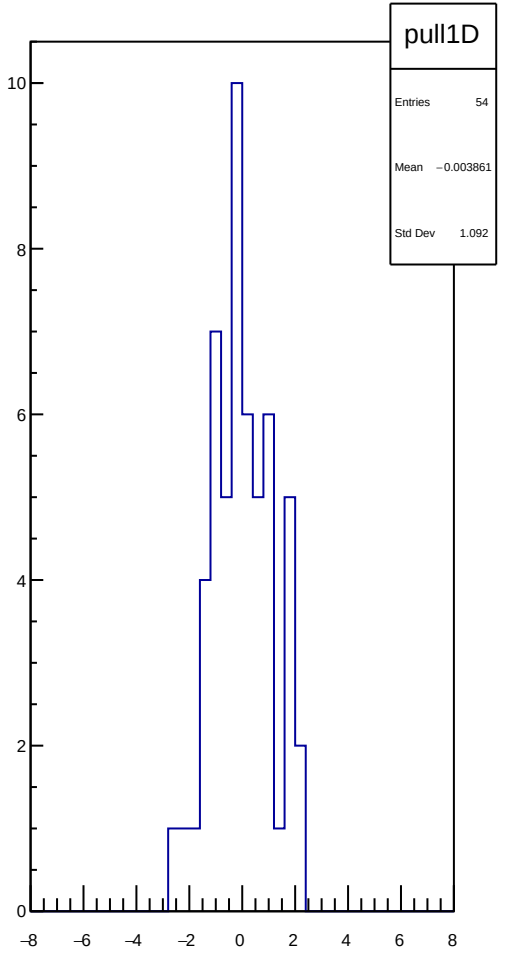
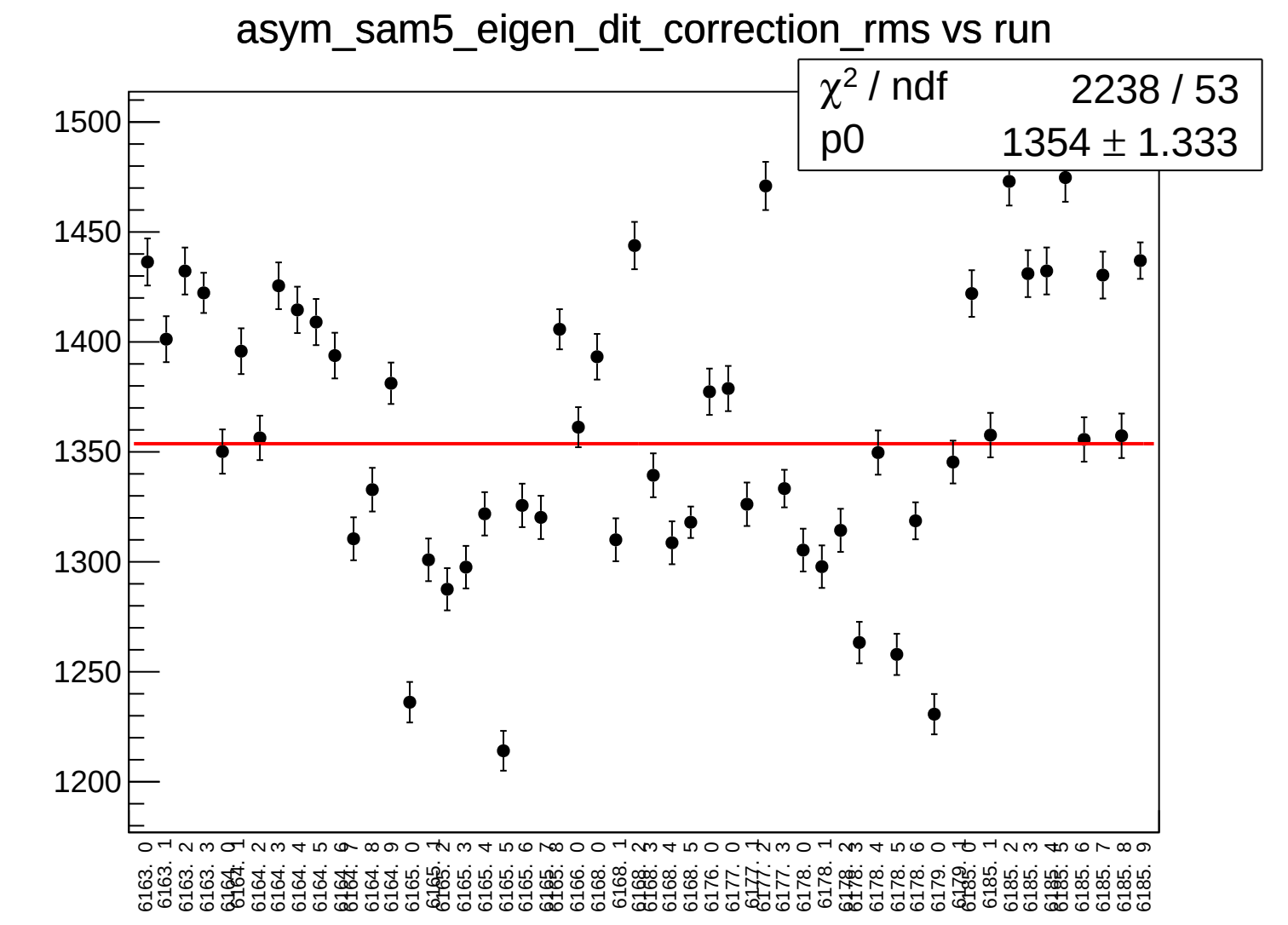
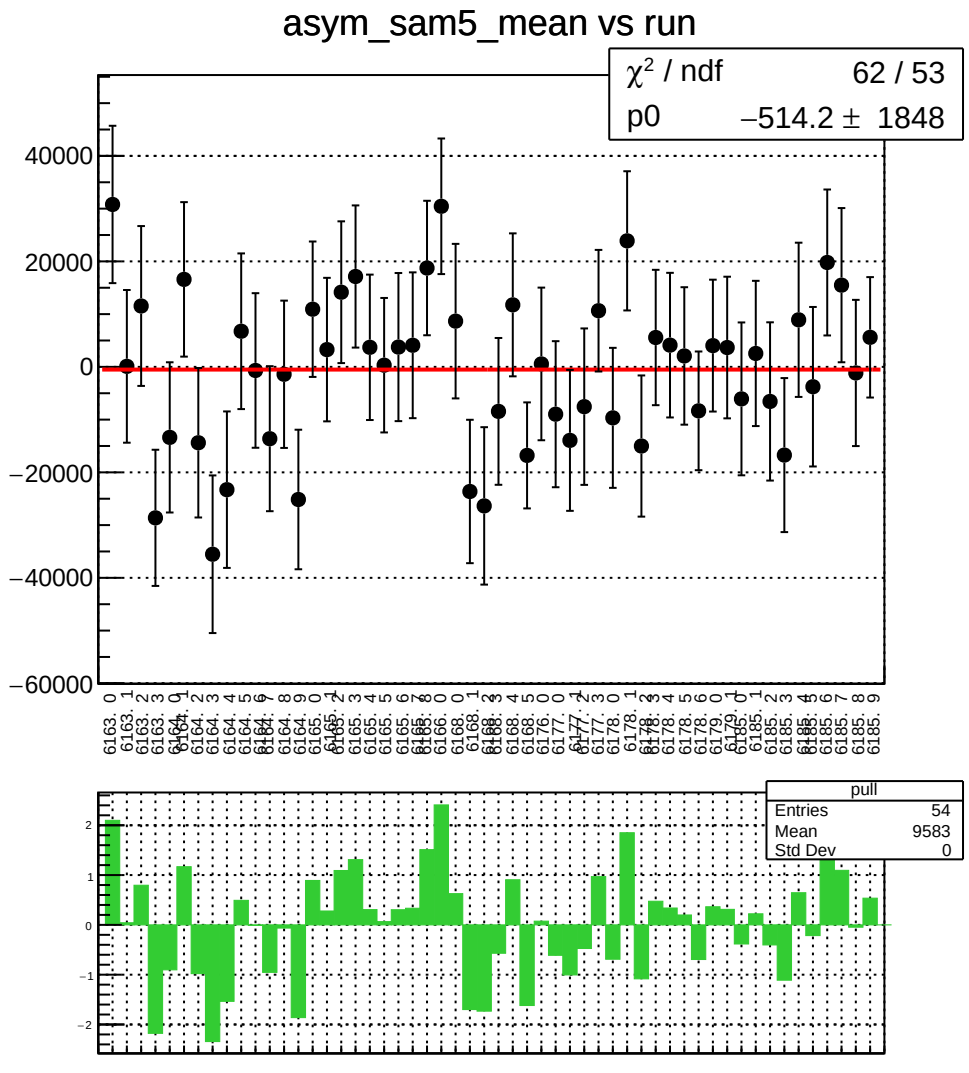
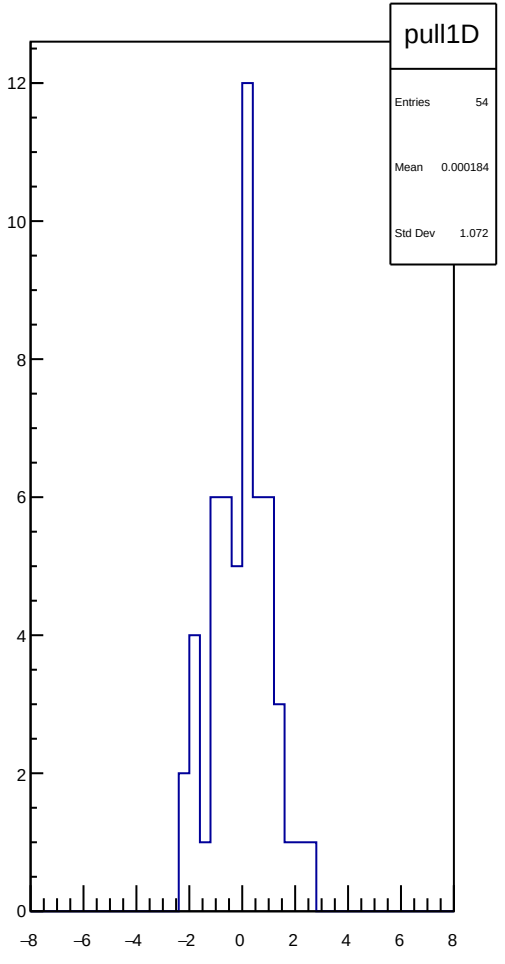
6185. 8
6185. 9

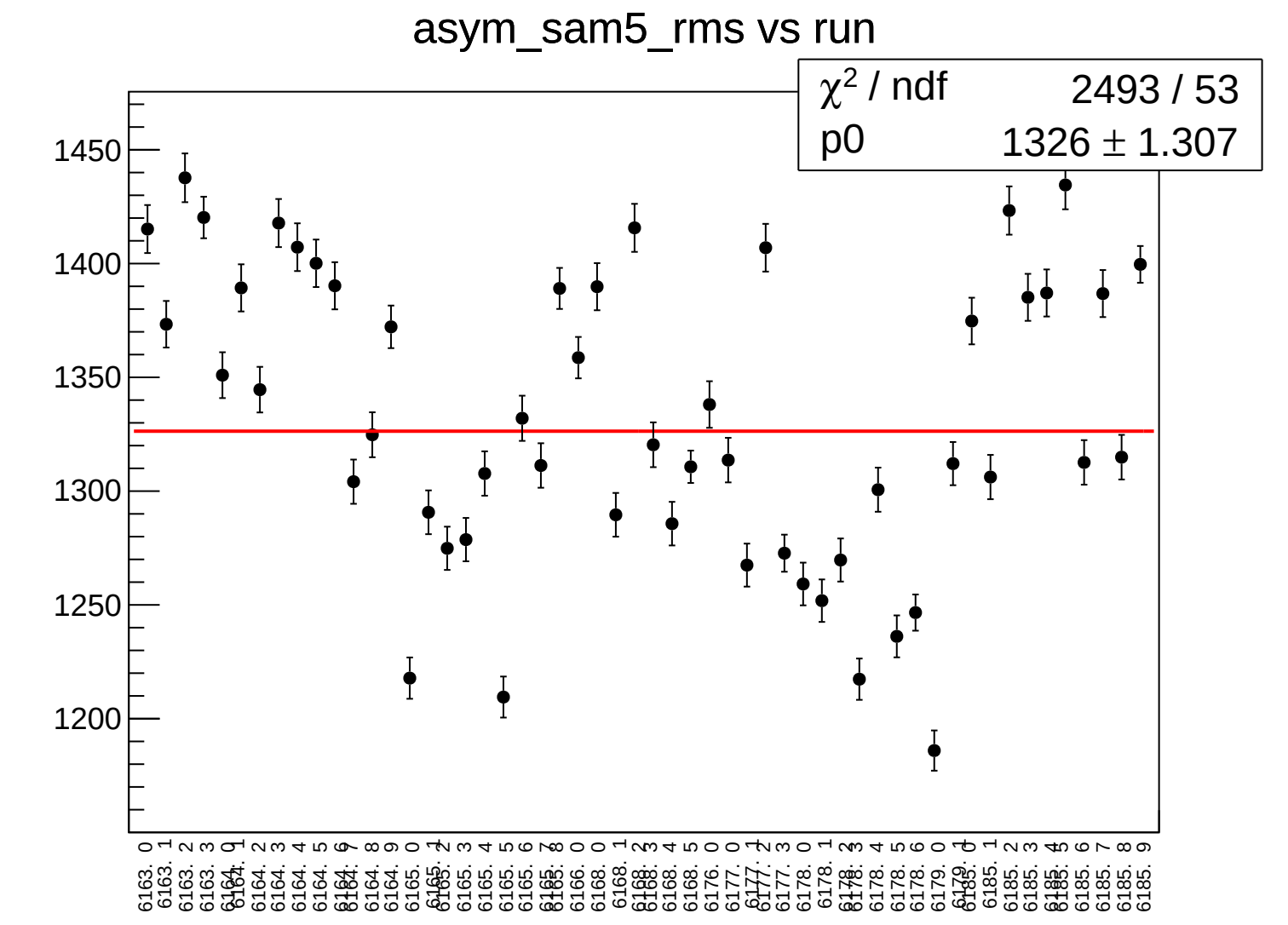

asym_sam5_eigen_dit_correction_mean vs run
χ² / ndf 64.34 / 53
p0 455 ± 1886
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 481.9
Std Dev 0
2
1
0
−1
−2

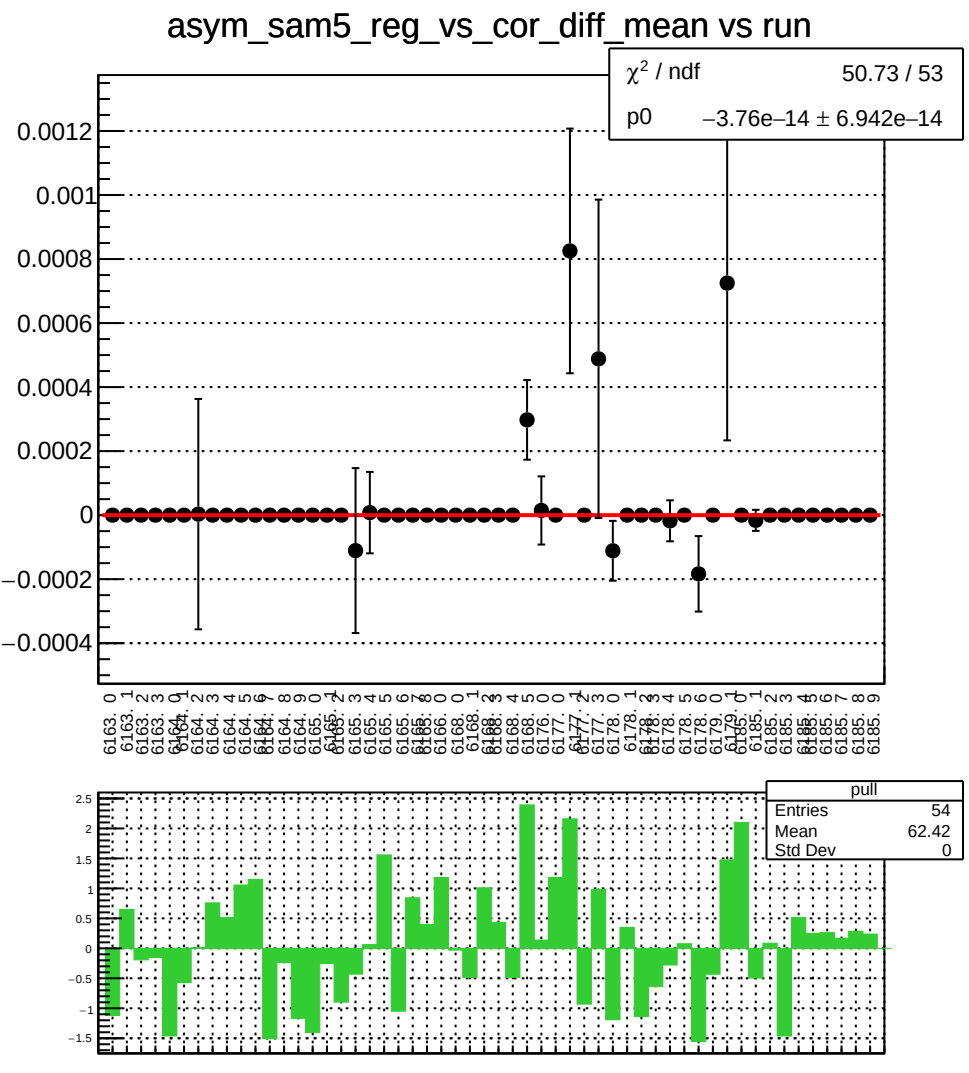

pull1D
Entries 54
Mean −0.003861
Std Dev 1.092
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

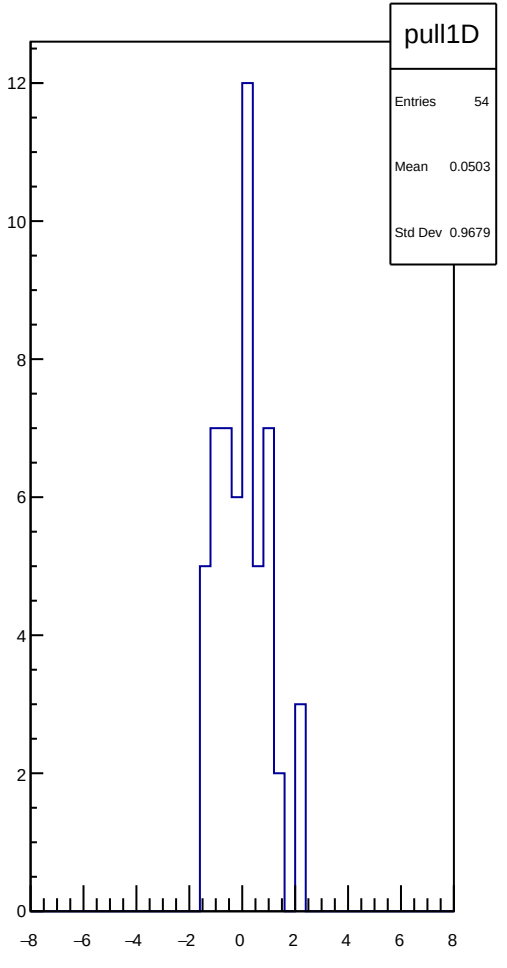

asym_sam5_eigen_dit_correction_rms vs run
χ² / ndf 2238 / 53
p0 1354 ± 1.333
1500
1450
1400
1350
1300
1250
1200
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6165. 7
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

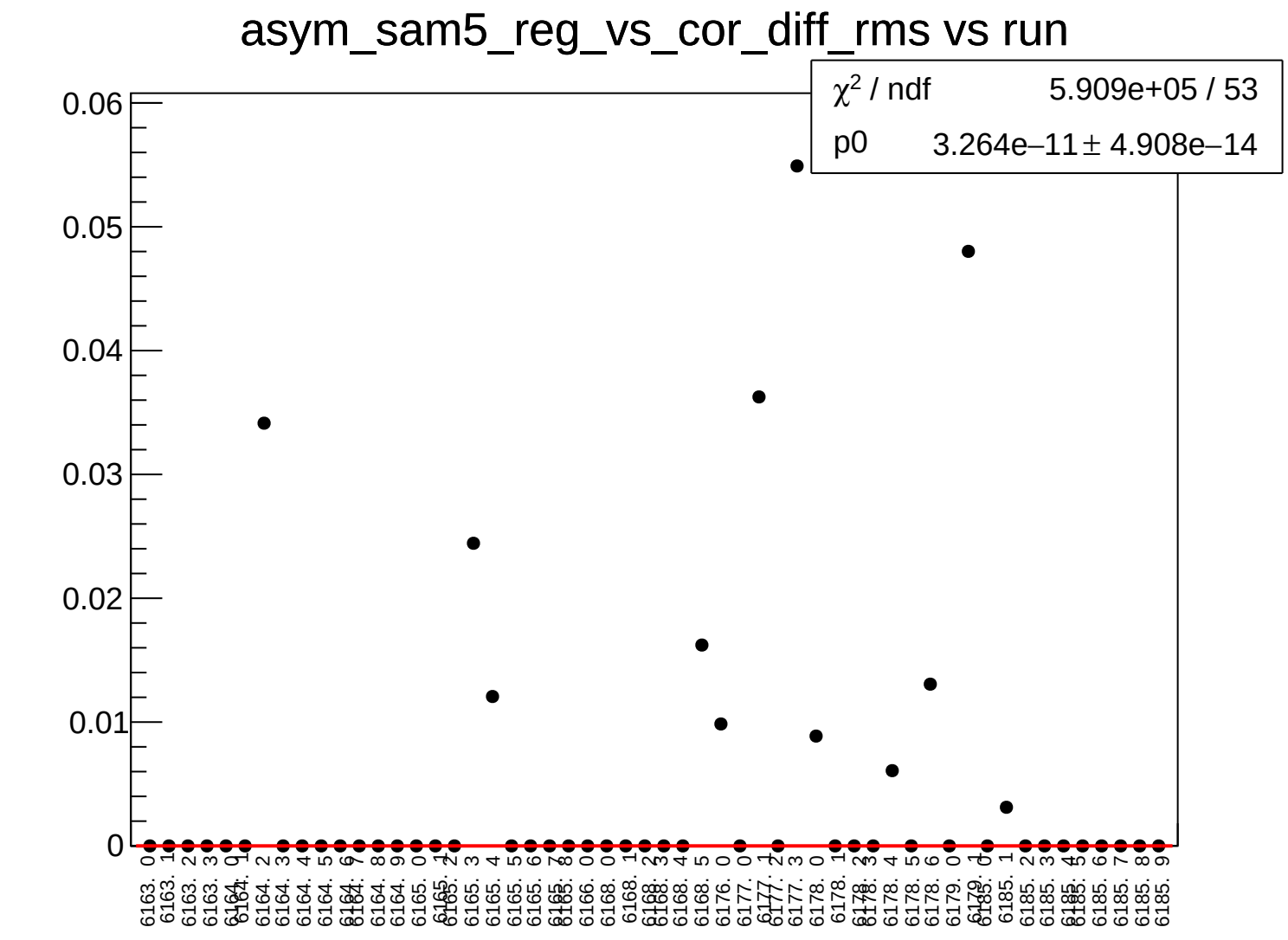

asym_sam5_mean vs run
χ² / ndf 62 / 53
p0 −514.2 ± 1848
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 9583
Std Dev 0
2
1
0
−1
−2

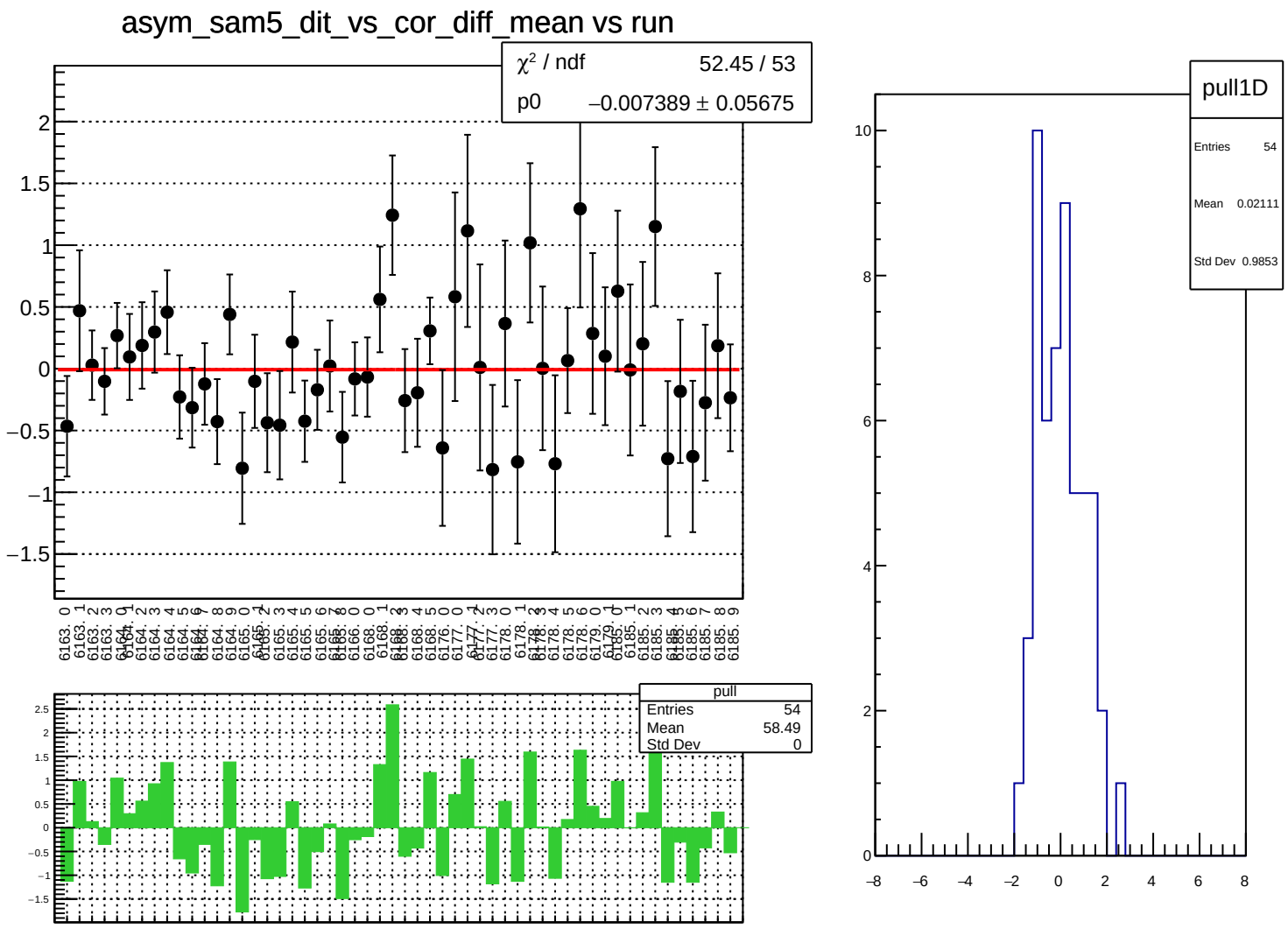

pull1D
Entries 54
Mean 0.000184
Std Dev 1.072
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

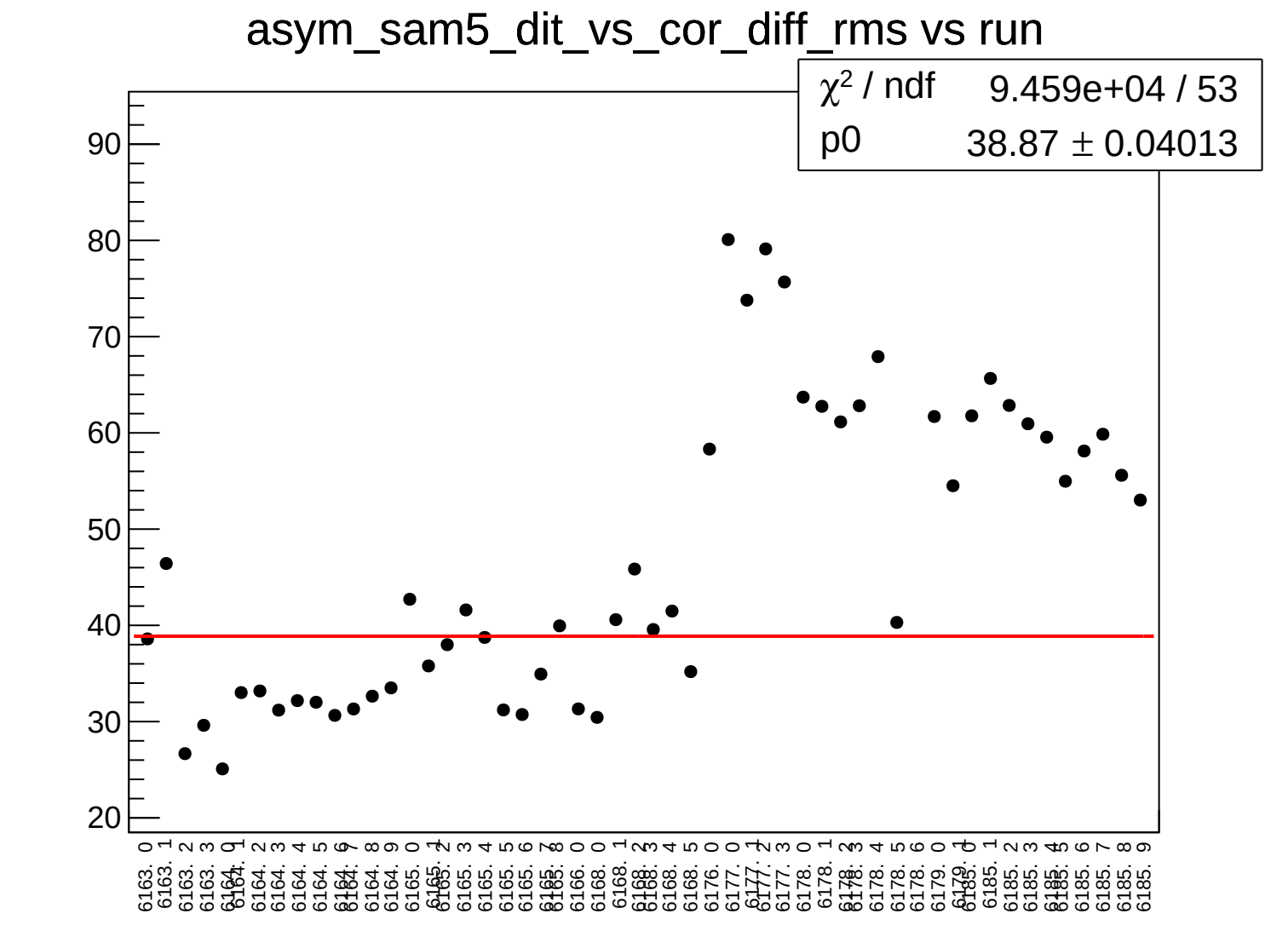

asym_sam5_rms vs run
χ² / ndf 2493 / 53
p0 1326 ± 1.307
1450
1400
1350
1300
1250
1200
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

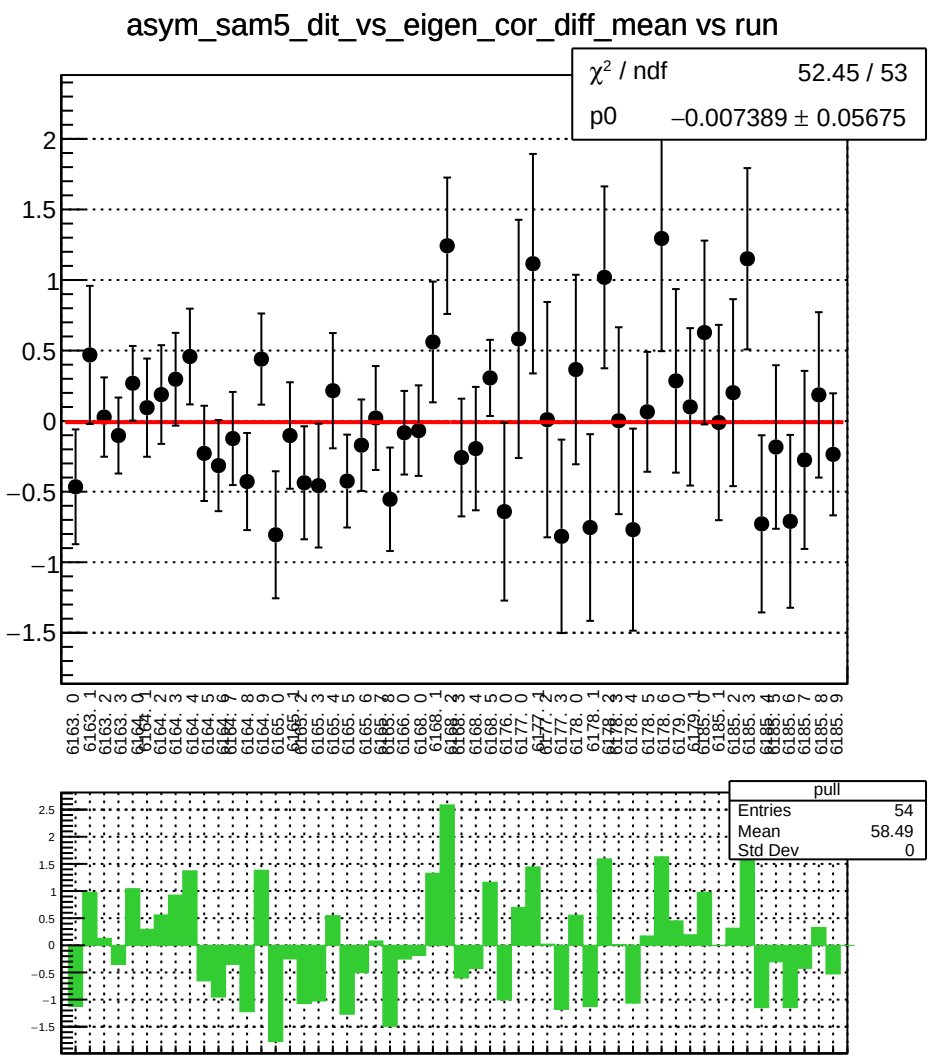

asym_sam5_reg_vs_cor_diff_mean vs run
χ² / ndf 50.73 / 53
p0 −3.76e−14 ± 6.942e−14
0.0012
0.001
0.0008
0.0006
0.0004
0.0002
0
−0.0002
−0.0004
pull
Entries 54
Mean 62.42
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

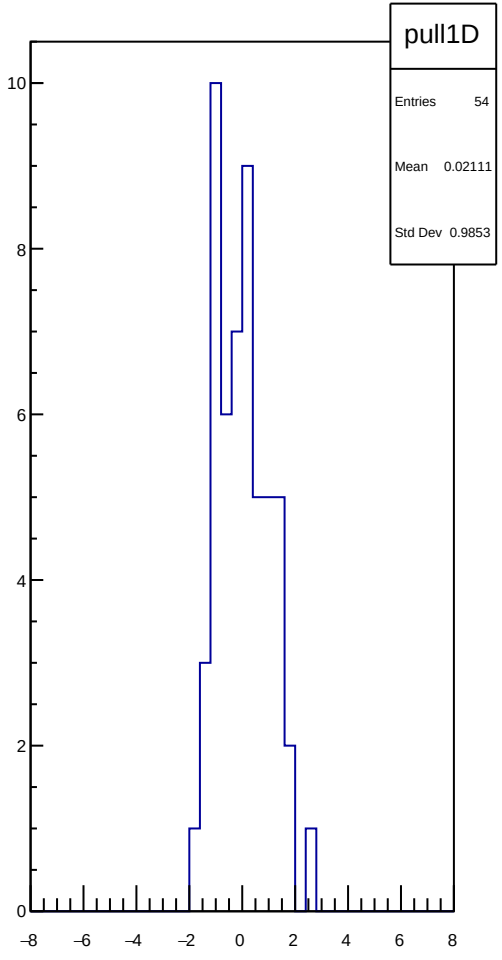

pull1D
Entries 54
Mean 0.0503
Std Dev 0.9679
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

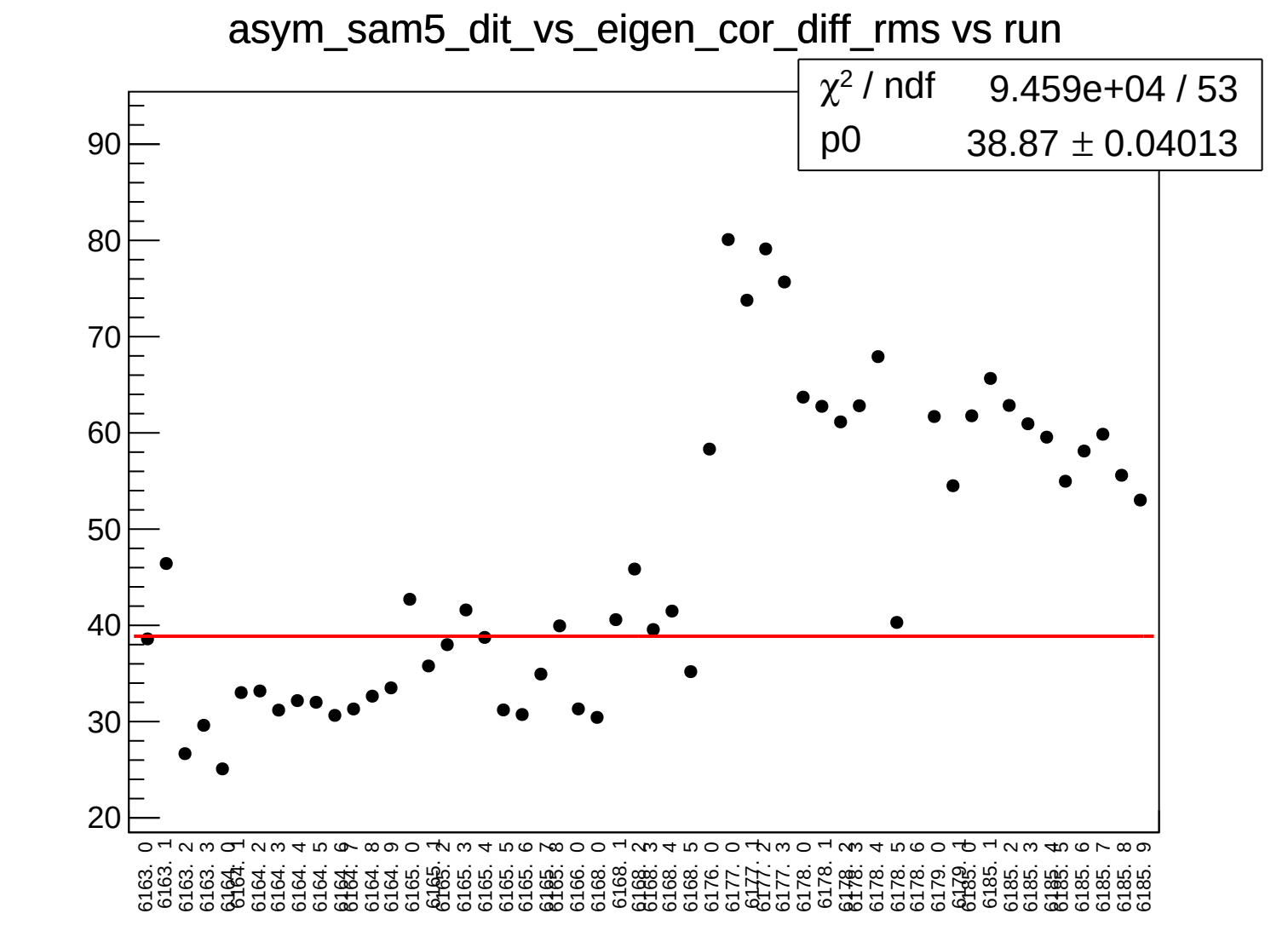

asym_sam5_reg_vs_cor_diff_rms vs run
χ² / ndf 5.909e+05 / 53
p0 3.264e−11 ± 4.908e−14
0.06
0.05
0.04
0.03
0.02
0.01
0
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 2
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 3
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

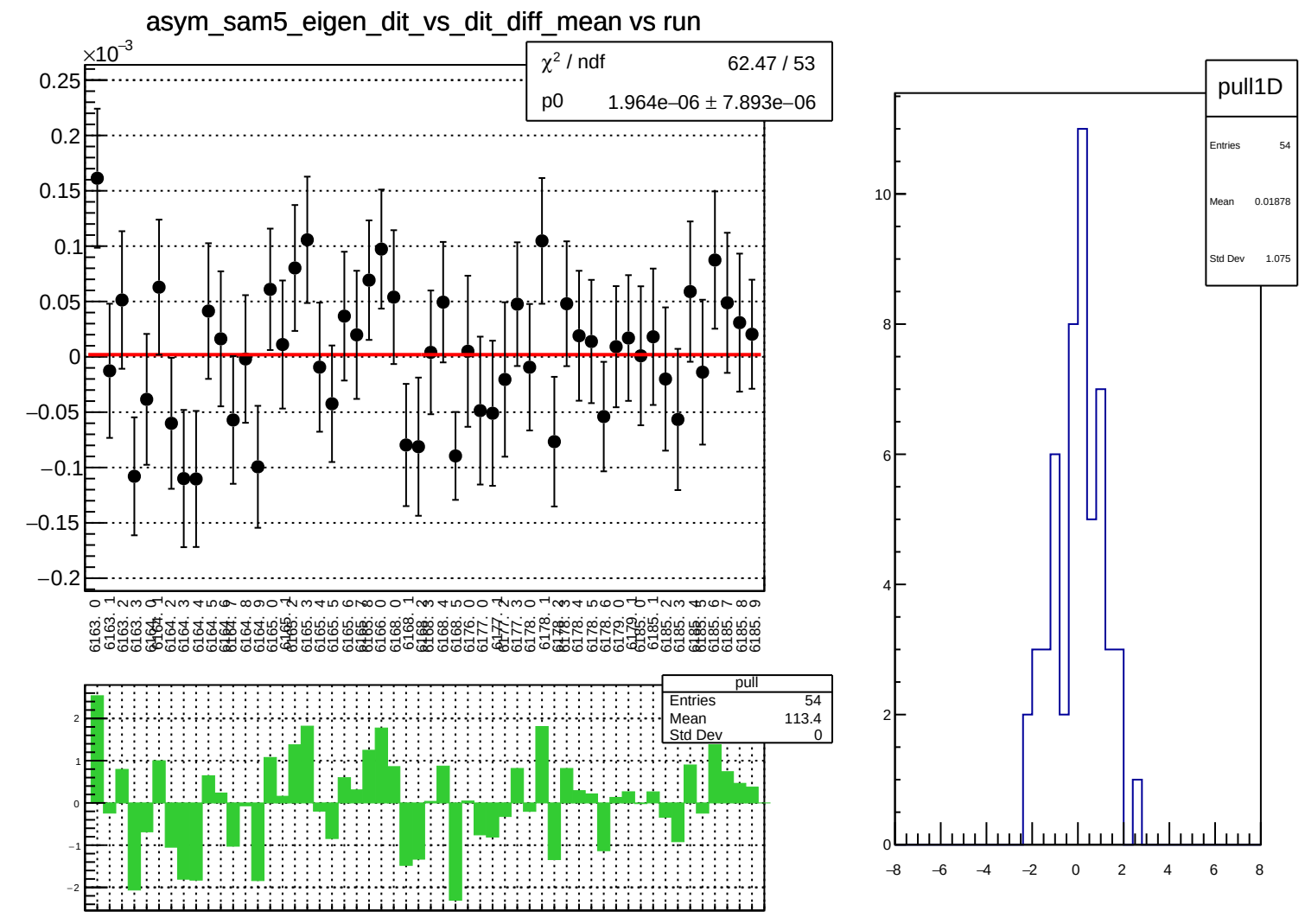

asym_sam5_dit_vs_cor_diff_mean vs run
χ² / ndf 52.45 / 53
p0 −0.007389 ± 0.05675
pull
Entries 54
Mean 58.49
Std Dev 0
pull1D
Entries 54
Mean 0.02111
Std Dev 0.9853

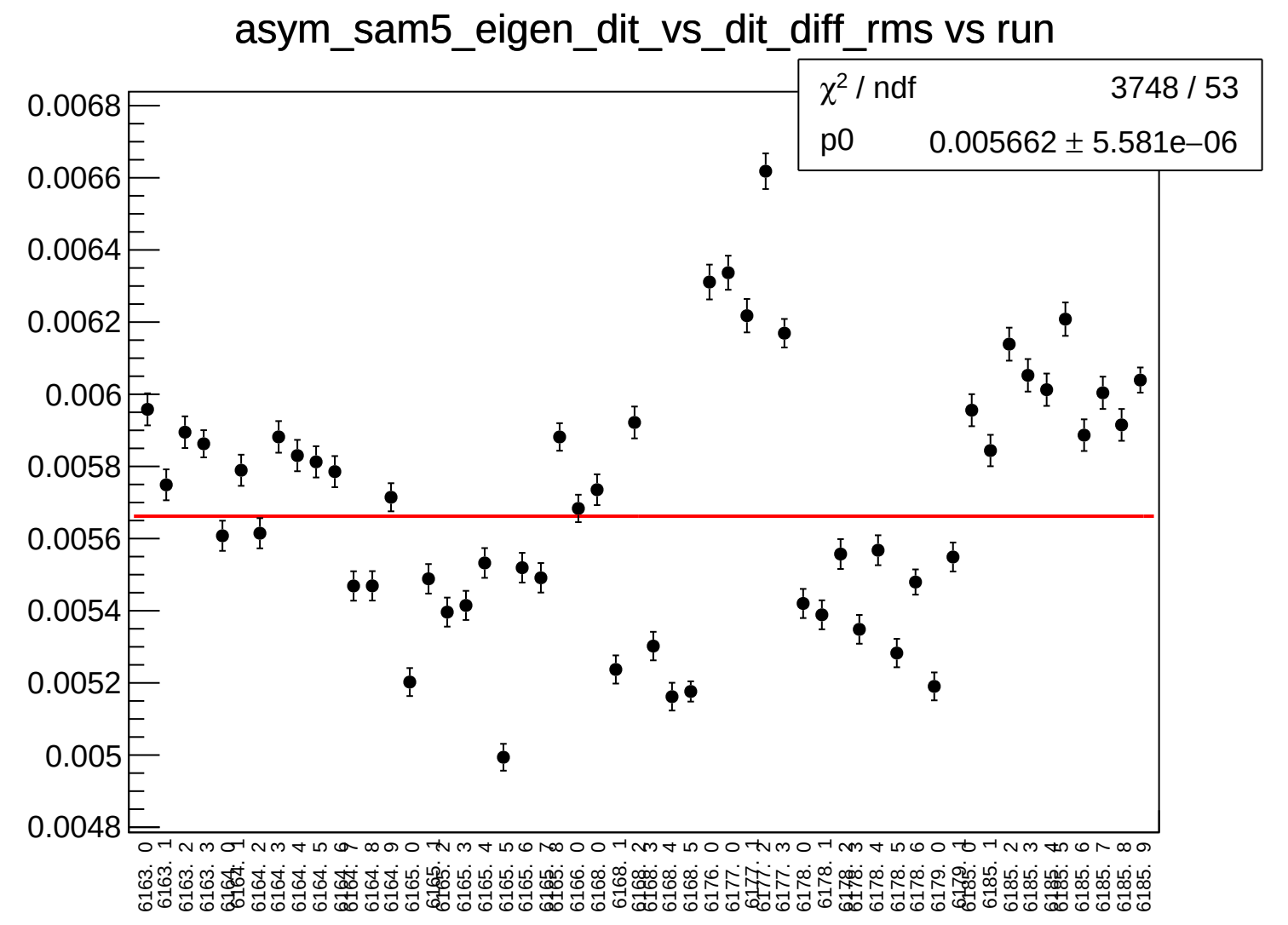

asym_sam5_dit_vs_cor_diff_rms vs run
χ² / ndf 9.459e+04 / 53
p0 38.87 ± 0.04013
90
80
70
60
50
40
30
20
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

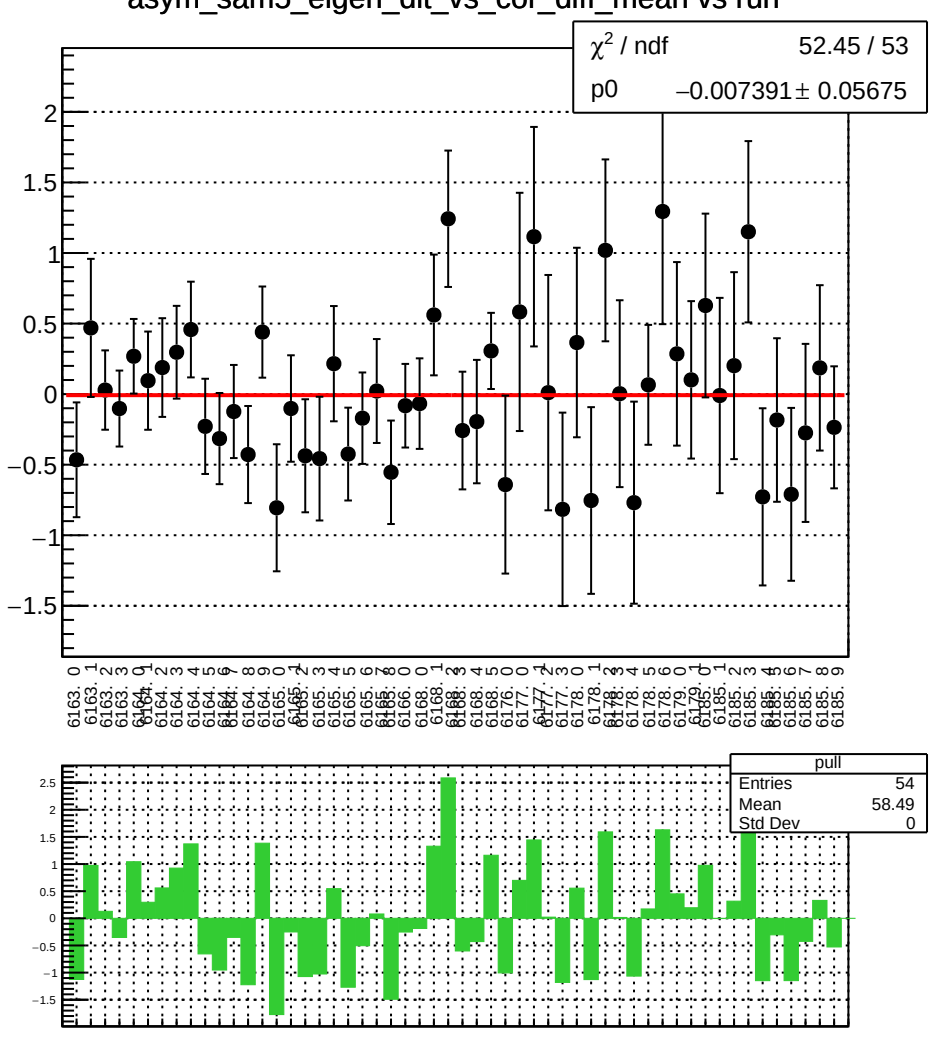

asym_sam5_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 52.45 / 53
p0 −0.007389 ± 0.05675
pull
Entries 54
Mean 58.49
Std Dev 0

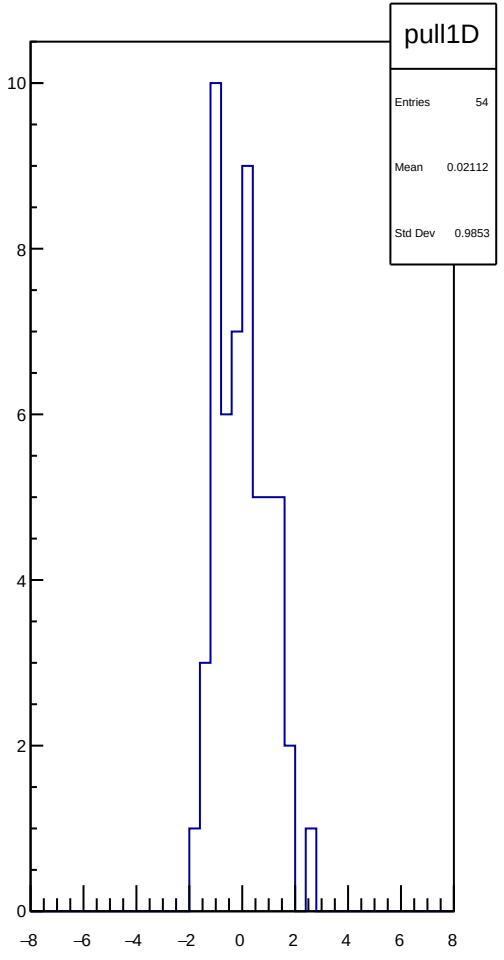

pull1D
Entries 54
Mean 0.02111
Std Dev 0.9853

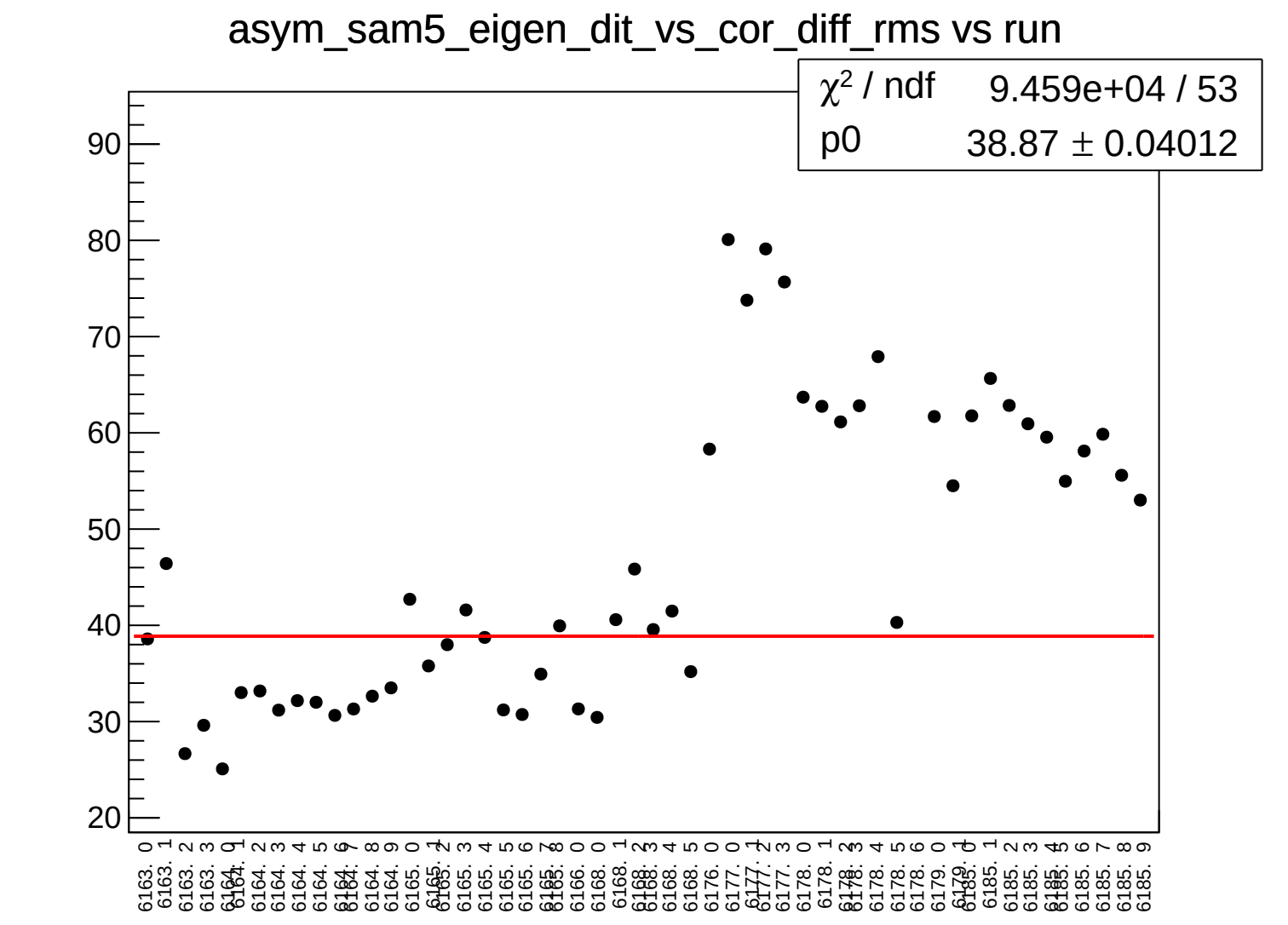

asym_sam5_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.459e+04 / 53
p0 38.87 ± 0.04013
90
80
70
60
50
40
30
20
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

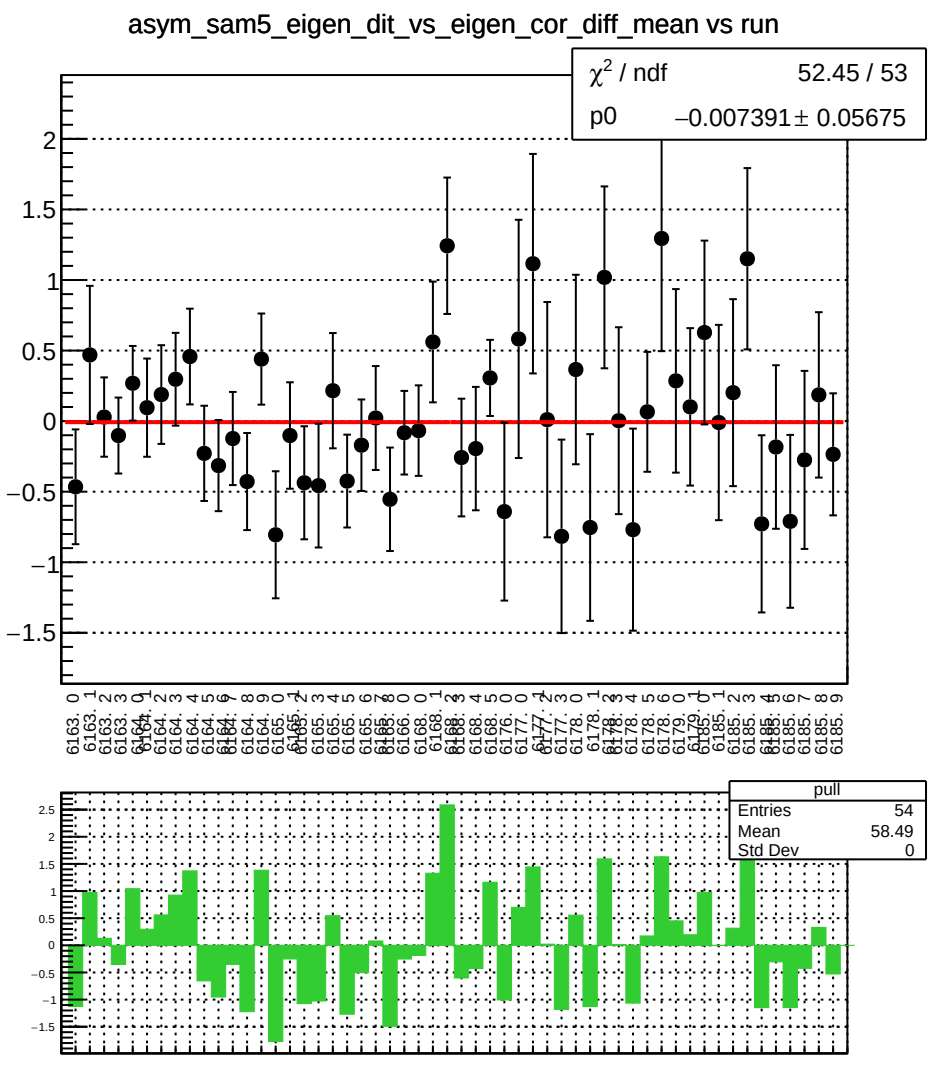

asym_sam5_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 62.47 / 53
p0 1.964e−06 ± 7.893e−06
pull
Entries 54
Mean 113.4
Std Dev 0
pull1D
Entries 54
Mean 0.01878
Std Dev 1.075

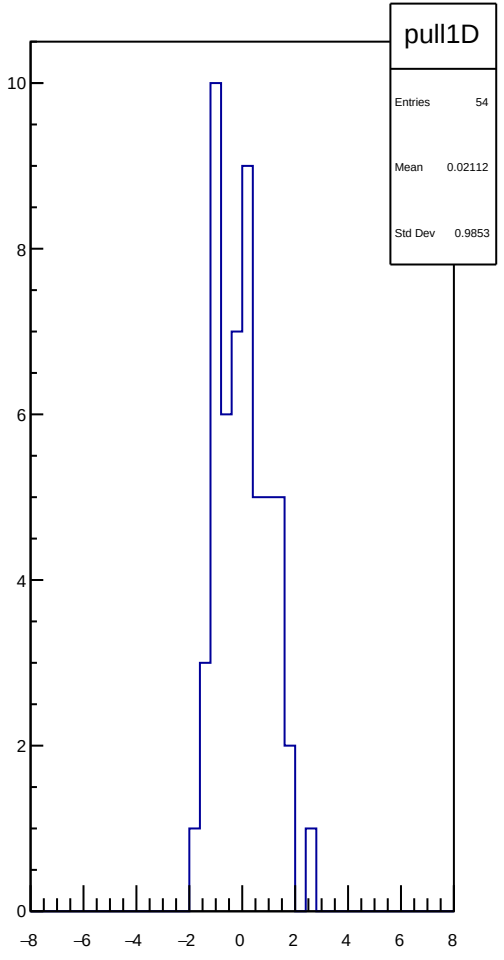

asym_sam5_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3748 / 53
p0 0.005662 ± 5.581e−06
0.0068
0.0066
0.0064
0.0062
0.006
0.0058
0.0056
0.0054
0.0052
0.005
0.0048
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

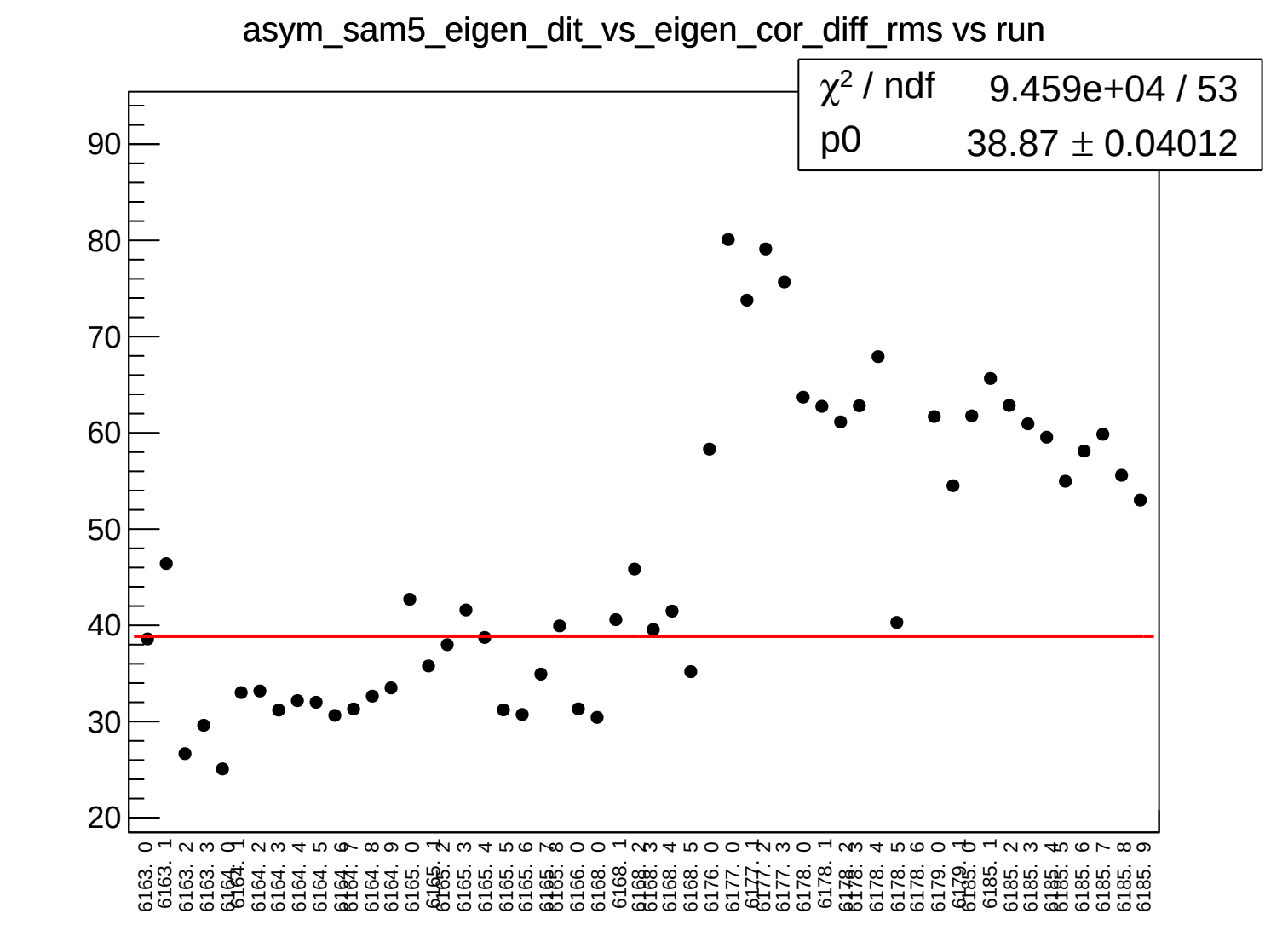

asym_sam5_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 52.45 / 53
p0 −0.007391 ± 0.05675
pull
Entries 54
Mean 58.49
Std Dev 0

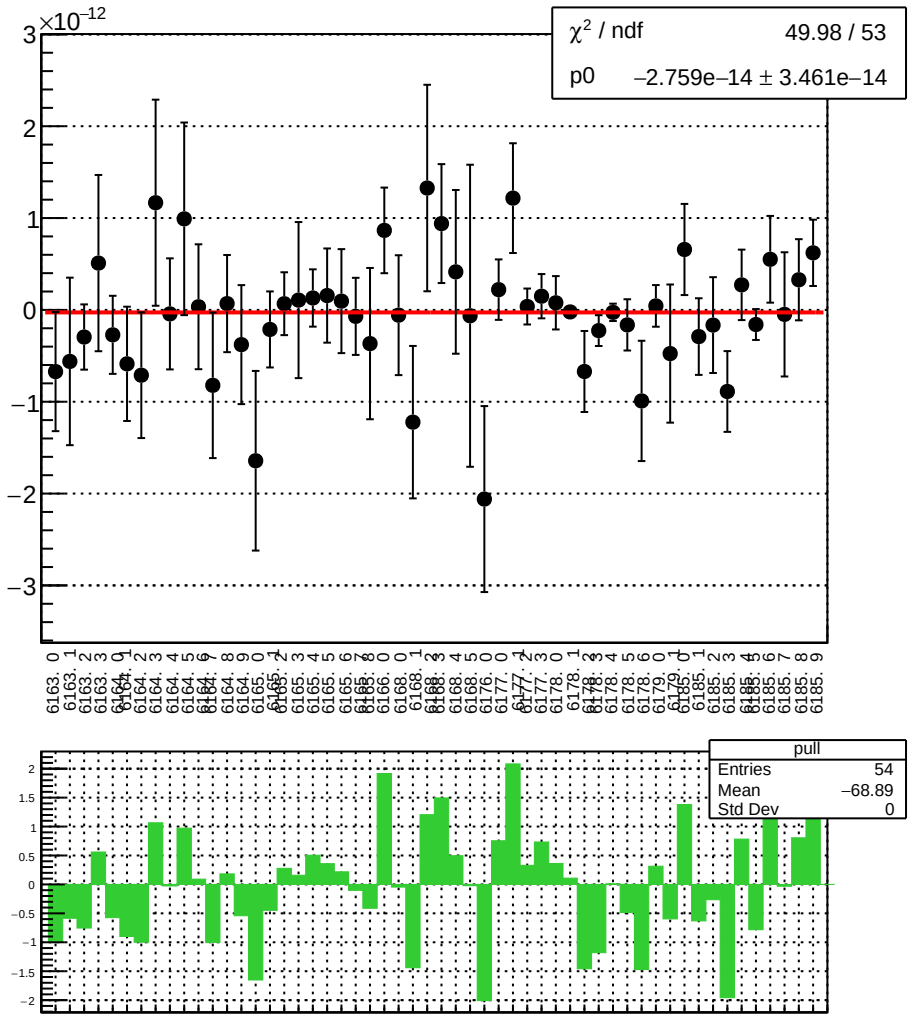

pull1D
Entries 54
Mean 0.02112
Std Dev 0.9853

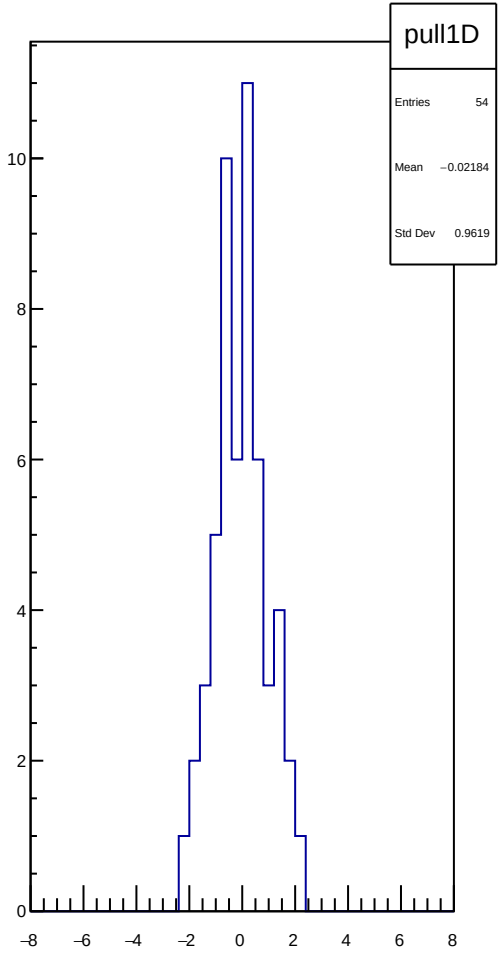

asym_sam5_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 9.459e+04 / 53
p0 38.87 ± 0.04012
90
80
70
60
50
40
30
20
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

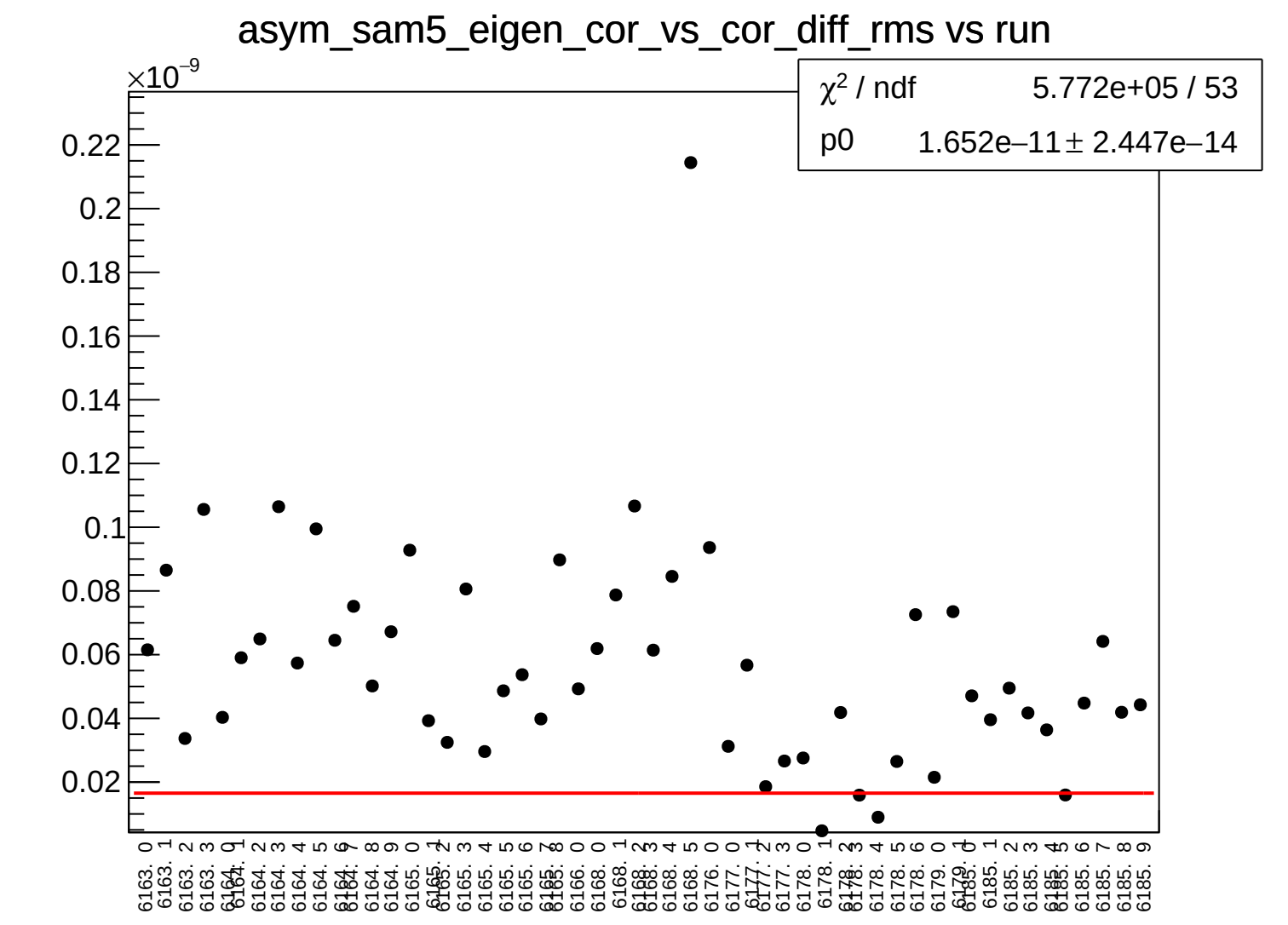

asym_sam5_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 52.45 / 53
p0 −0.007391 ± 0.05675
pull
Entries 54
Mean 58.49
Std Dev 0

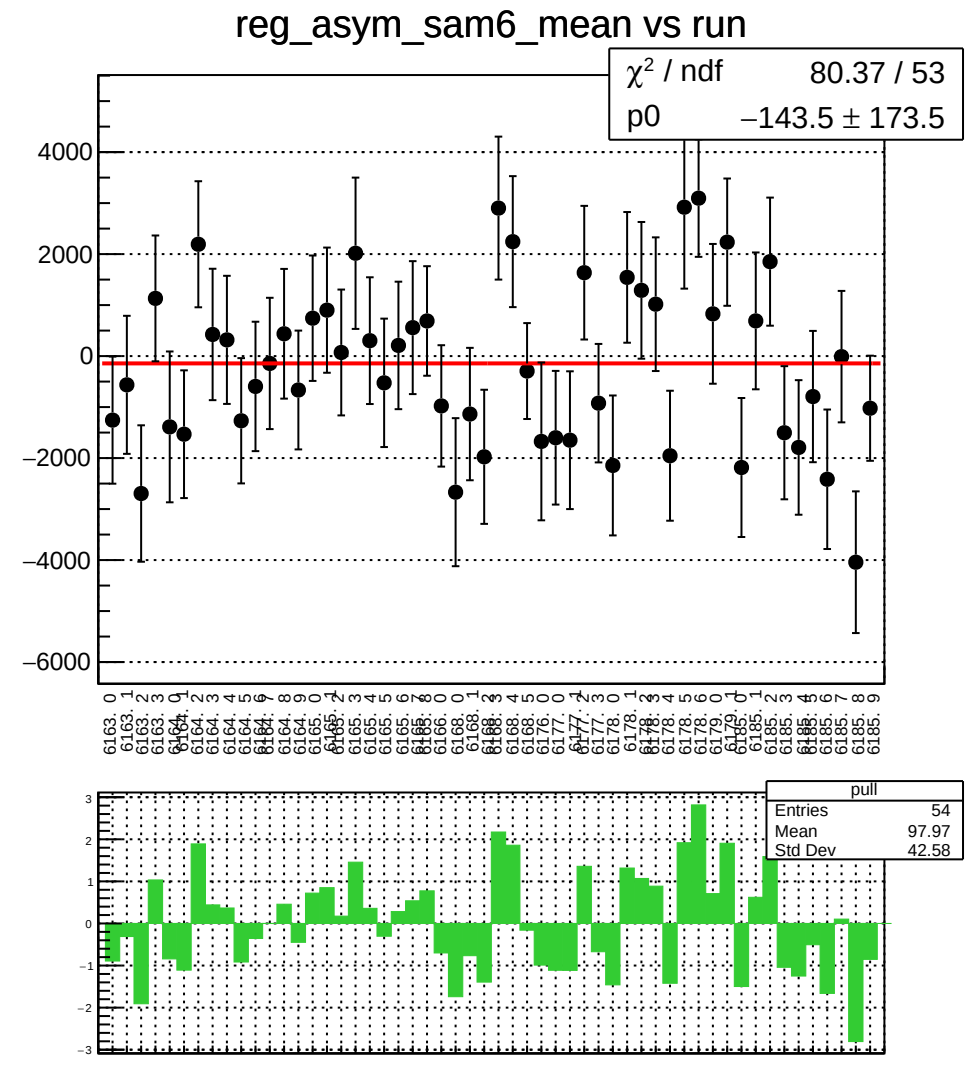

pull1D
Entries 54
Mean 0.02112
Std Dev 0.9853

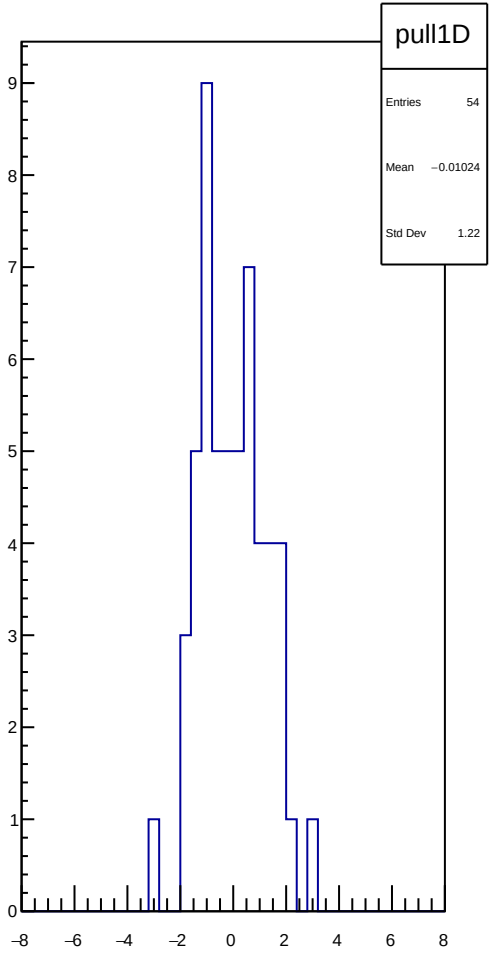

asym_sam5_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.459e+04 / 53
p0 38.87 ± 0.04012
90
80
70
60
50
40
30
20
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

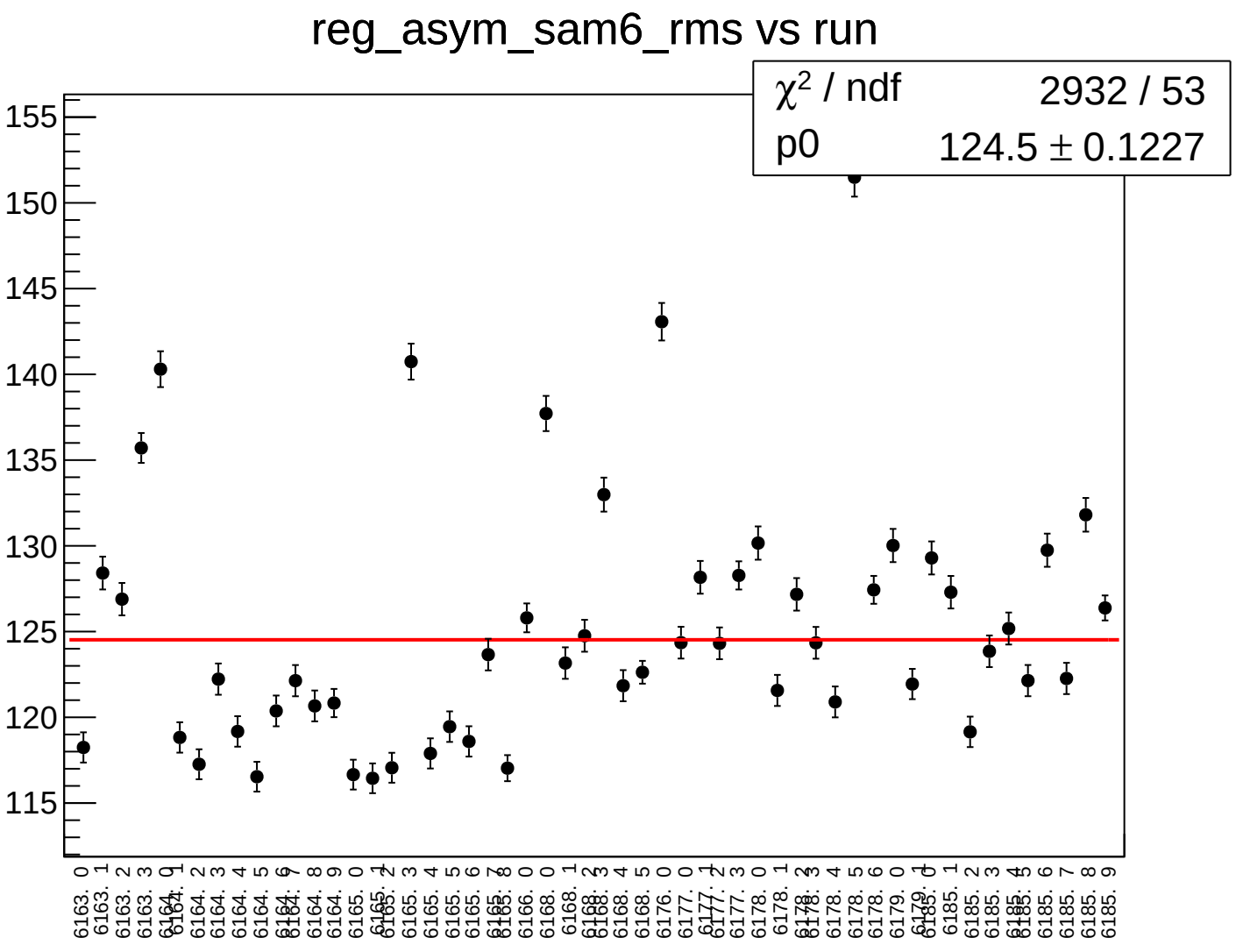

asym_sam5_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 49.98 / 53
p0 −2.759e−14 ± 3.461e−14
pull
Entries 54
Mean −68.89
Std Dev 0

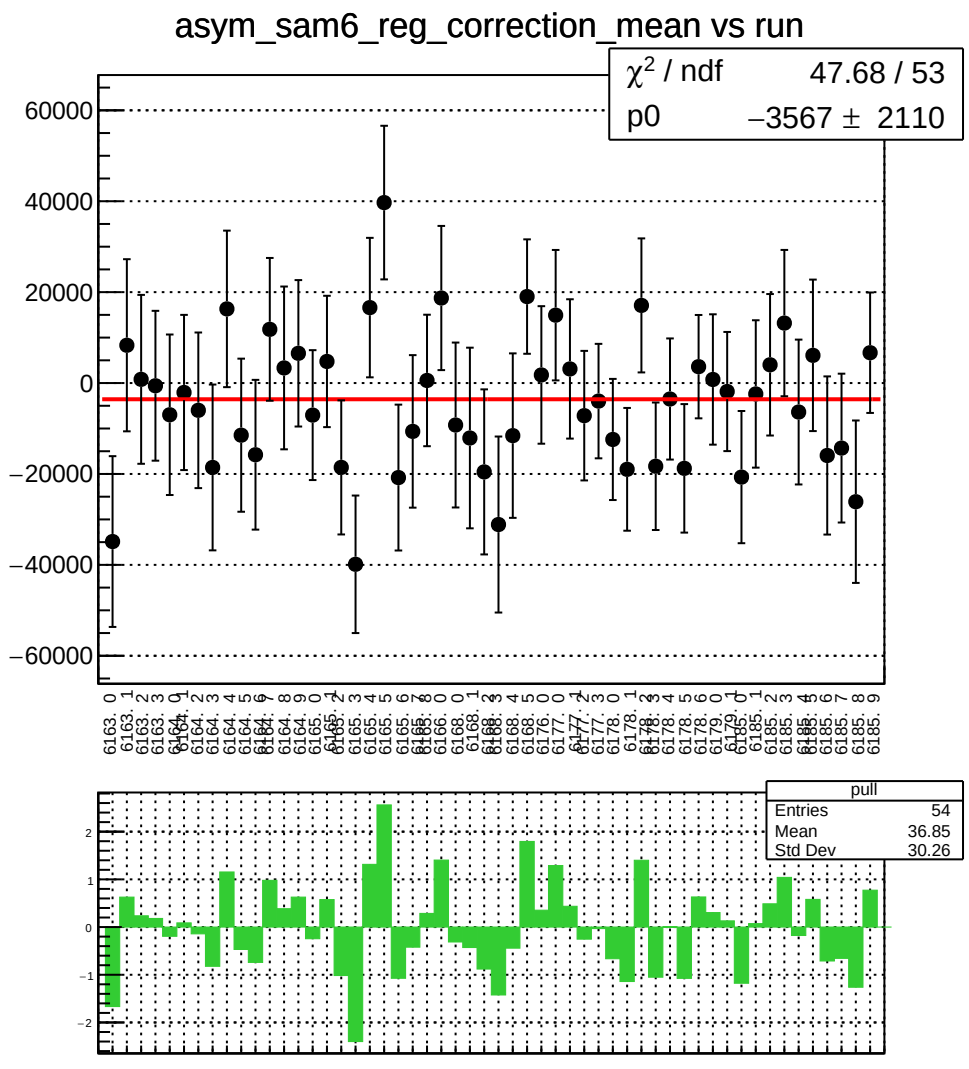

pull1D
Entries 54
Mean −0.02184
Std Dev 0.9619

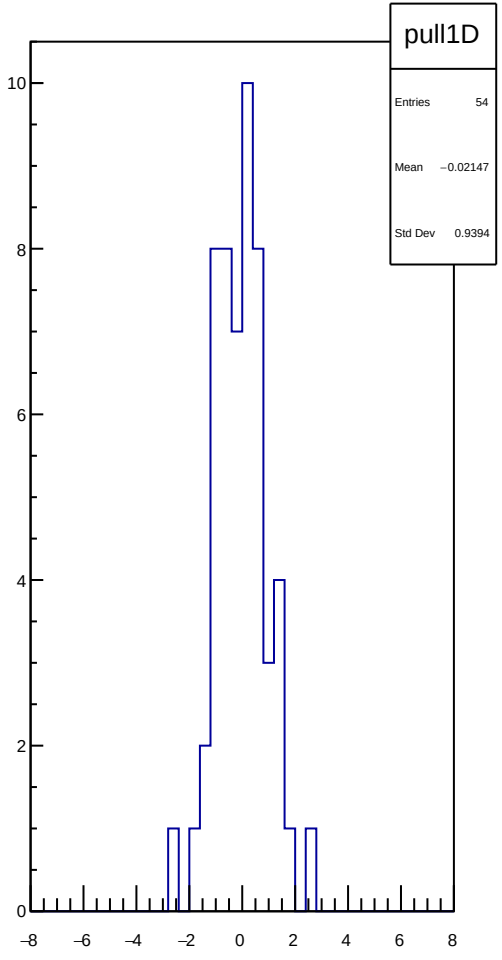

asym_sam5_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.772e+05 / 53
p0 1.652e−11 ± 2.447e−14
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

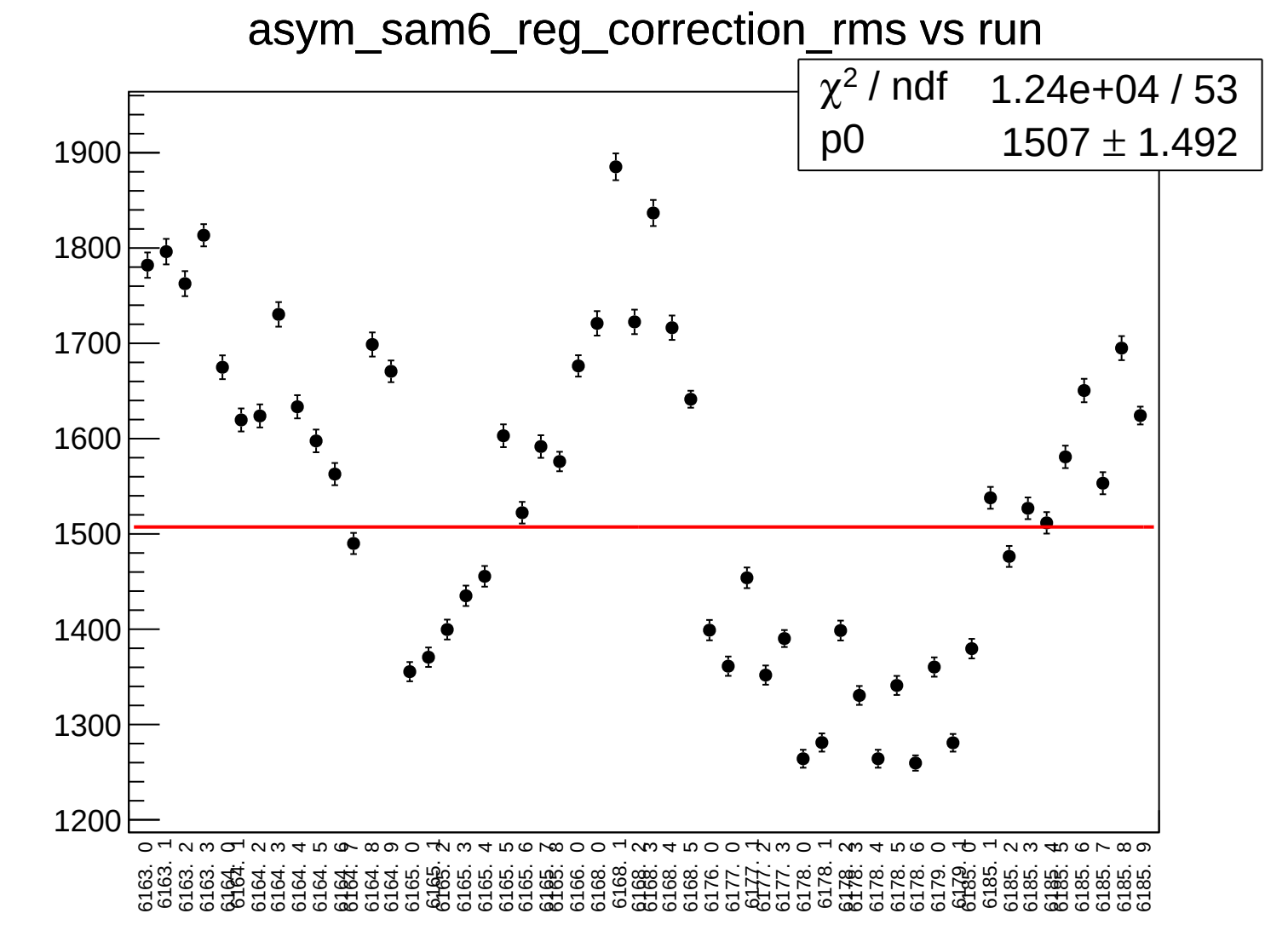

reg_asym_sam6_mean vs run
χ² / ndf 80.37 / 53
p0 −143.5 ± 173.5
4000
2000
0
−2000
−4000
−6000
pull
Entries 54
Mean 97.97
Std Dev 42.58
3
2
1
0
−1
−2
−3


pull1D
Entries 54
Mean −0.01024
Std Dev 1.22
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_sam6_rms vs run
χ² / ndf 2932 / 53
p0 124.5 ± 0.1227
155
150
145
140
135
130
125
120
115
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


asym_sam6_reg_correction_mean vs run
χ² / ndf 47.68 / 53
p0 −3567 ± 2110
pull
Entries 54
Mean 36.85
Std Dev 30.26


pull1D
Entries 54
Mean −0.02147
Std Dev 0.9394


asym_sam6_reg_correction_rms vs run
χ² / ndf 1.24e+04 / 53
p0 1507 ± 1.492
1900
1800
1700
1600
1500
1400
1300
1200
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
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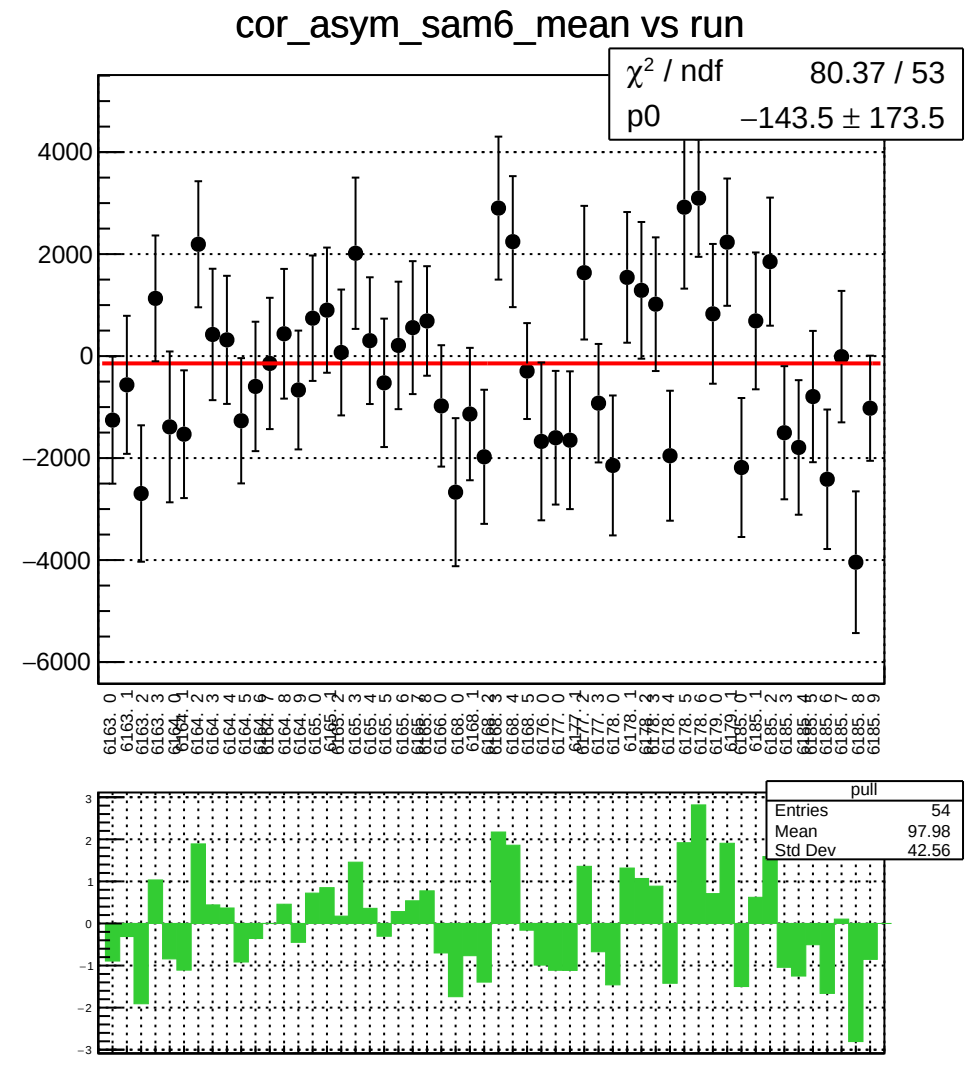
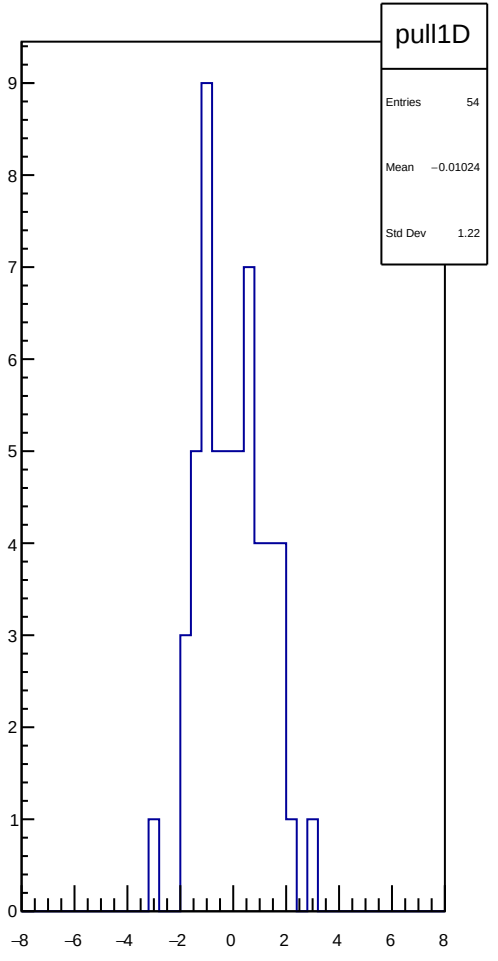
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


cor_asym_sam6_mean vs run
χ² / ndf 80.37 / 53
p0 −143.5 ± 173.5
4000
2000
0
−2000
−4000
−6000
pull
Entries 54
Mean 97.98
Std Dev 42.56
3
2
1
0
−1
−2
−3


pull1D
Entries 54
Mean −0.01024
Std Dev 1.22
9
8
7
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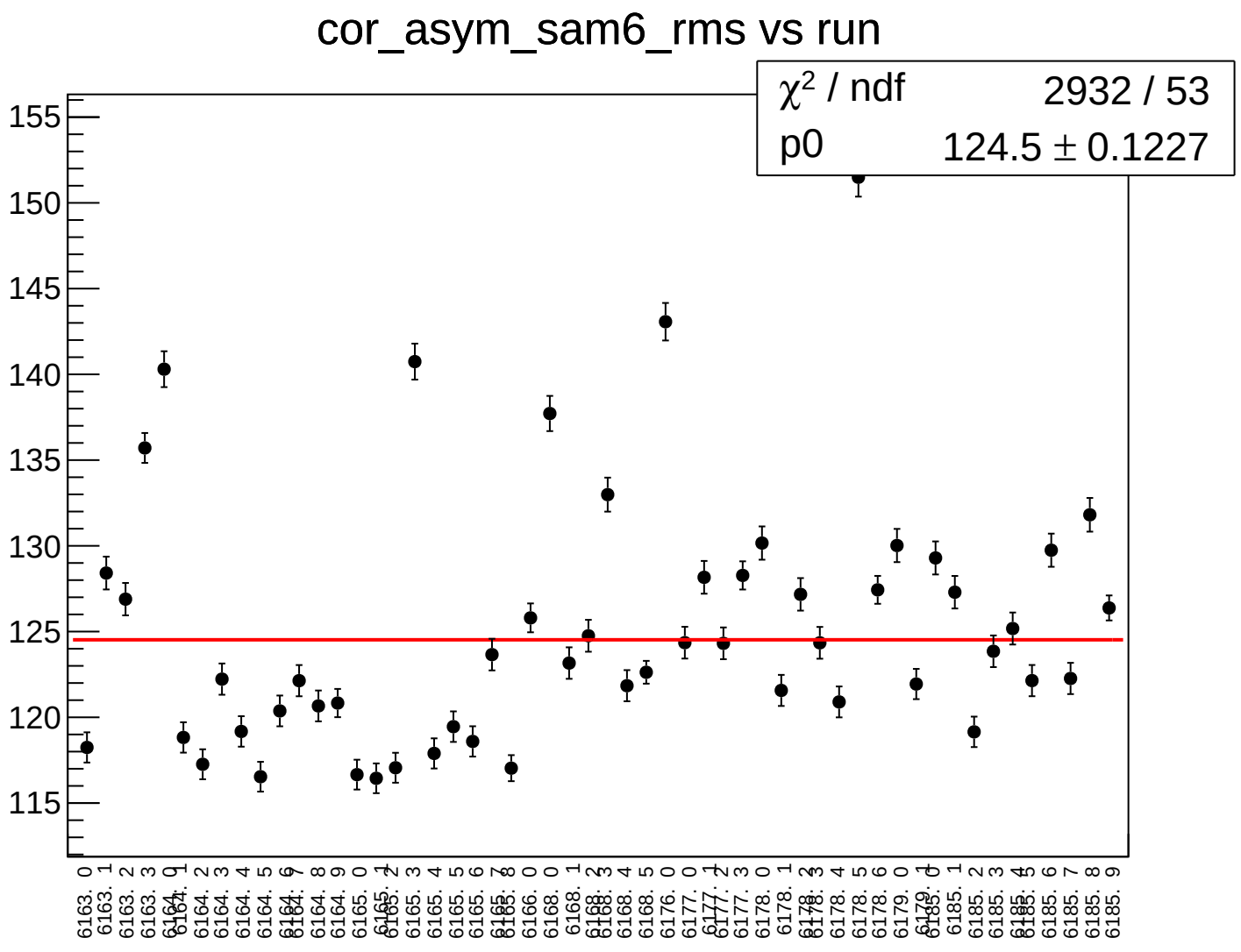
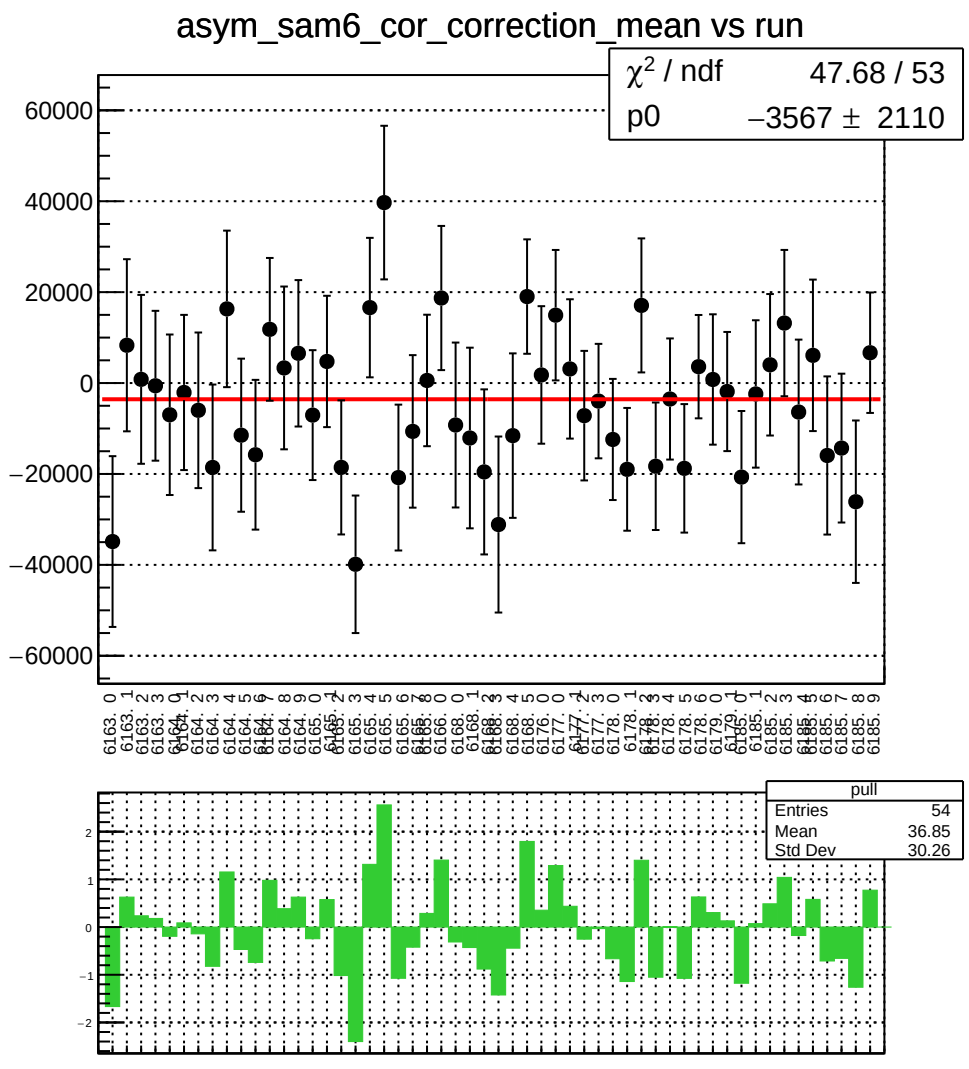
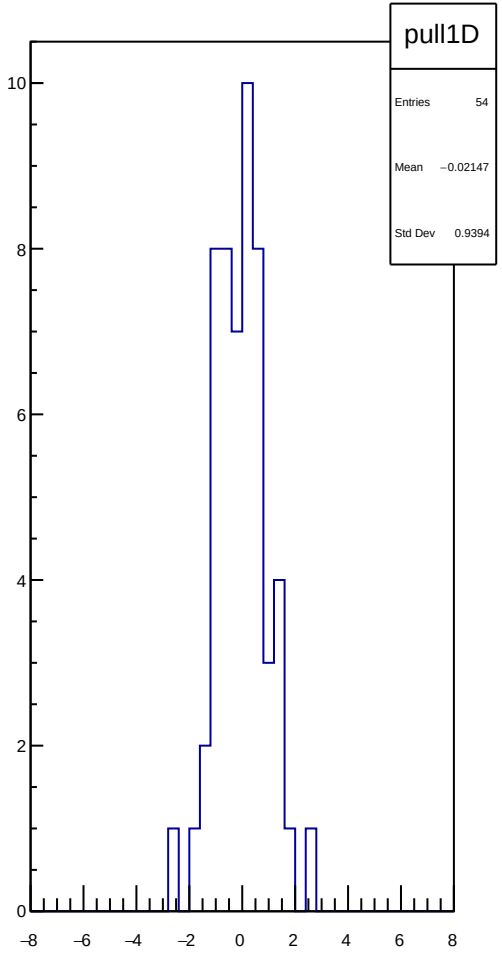
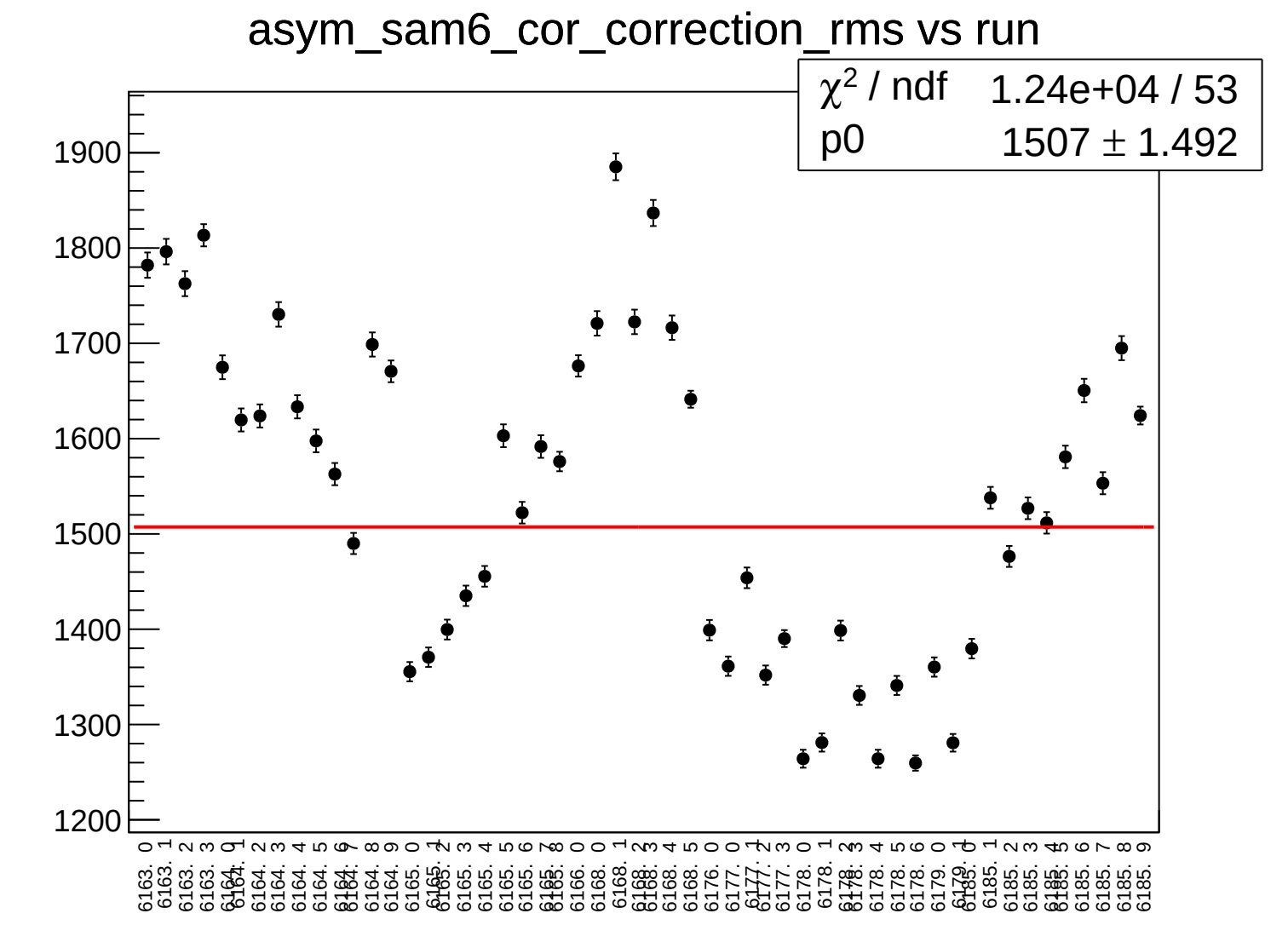
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_sam6_rms vs run
χ² / ndf 2932 / 53
p0 124.5 ± 0.1227
155
150
145
140
135
130
125
120
115
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


asym_sam6_cor_correction_mean vs run
χ² / ndf 47.68 / 53
p0 −3567 ± 2110
pull
Entries 54
Mean 36.85
Std Dev 30.26


pull1D
Entries 54
Mean −0.02147
Std Dev 0.9394


asym_sam6_cor_correction_rms vs run
χ² / ndf 1.24e+04 / 53
p0 1507 ± 1.492
1900
1800
1700
1600
1500
1400
1300
1200
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
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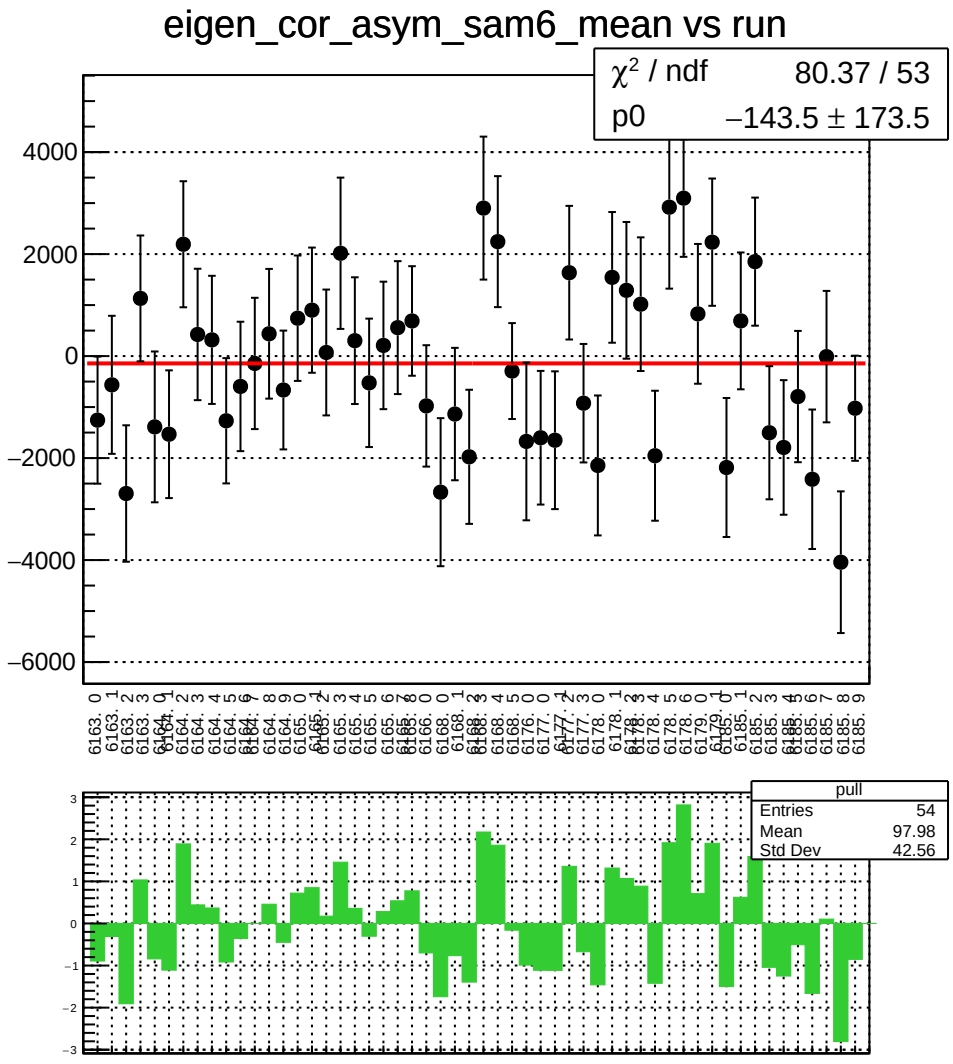
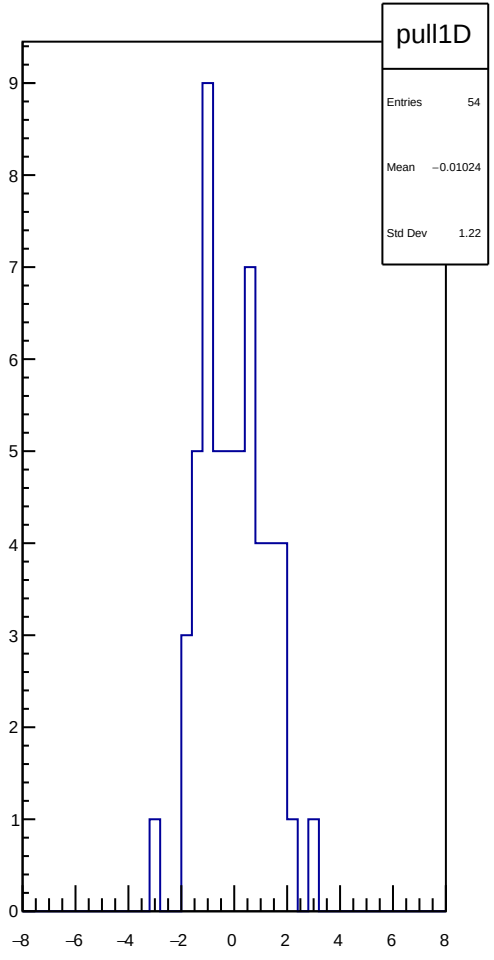
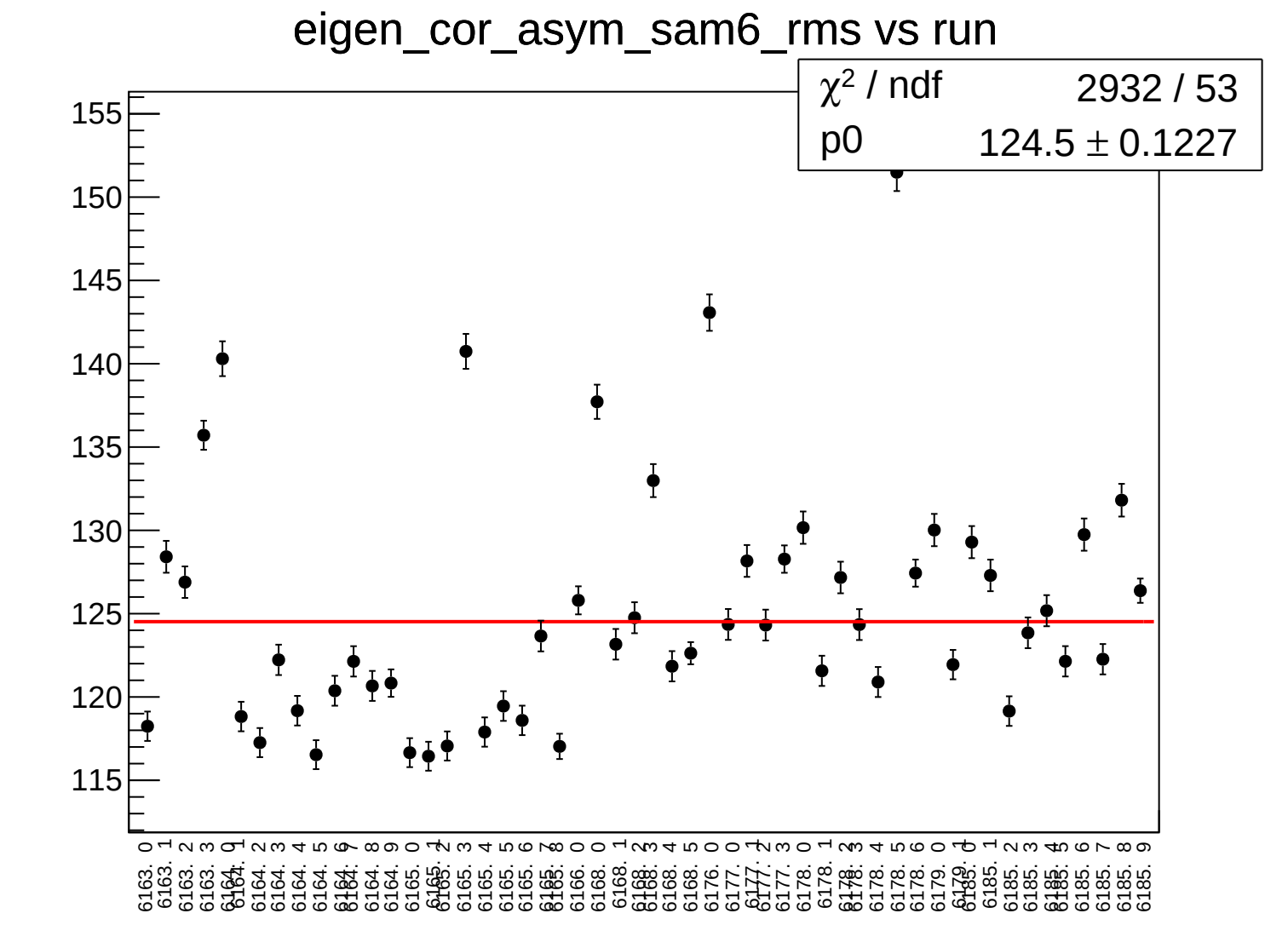
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


eigen_cor_asym_sam6_mean vs run
χ² / ndf 80.37 / 53
p0 −143.5 ± 173.5
4000
2000
0
−2000
−4000
−6000
pull
Entries 54
Mean 97.98
Std Dev 42.56
3
2
1
0
−1
−2
−3


pull1D
Entries 54
Mean −0.01024
Std Dev 1.22
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_sam6_rms vs run
χ² / ndf 2932 / 53
p0 124.5 ± 0.1227
155
150
145
140
135
130
125
120
115
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
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6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
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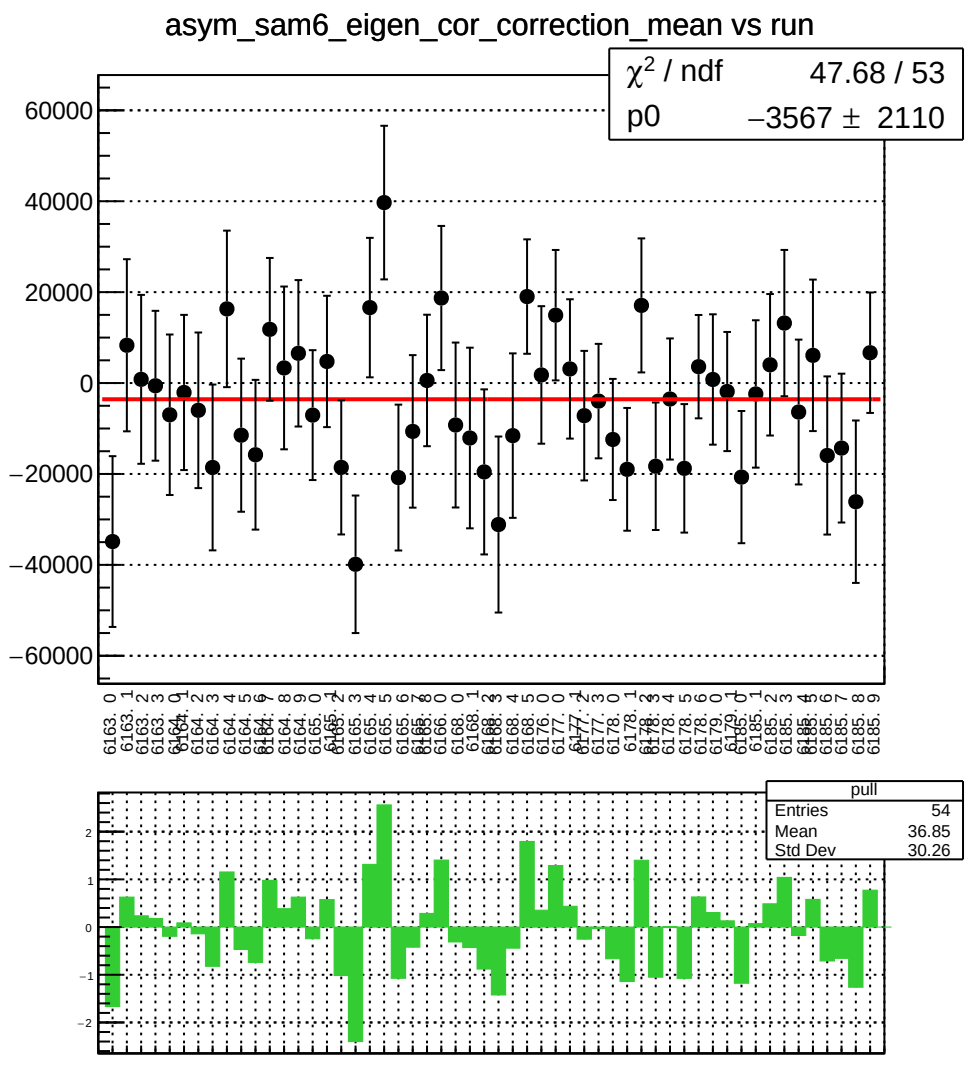
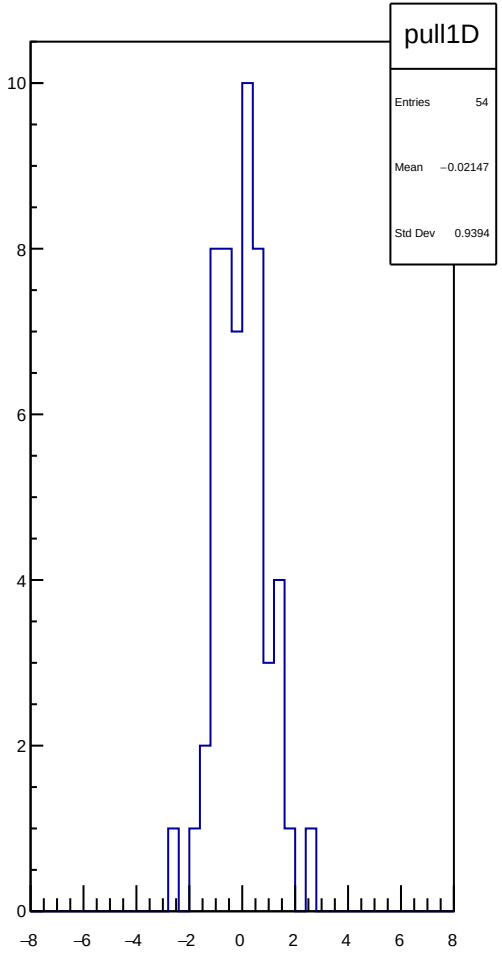
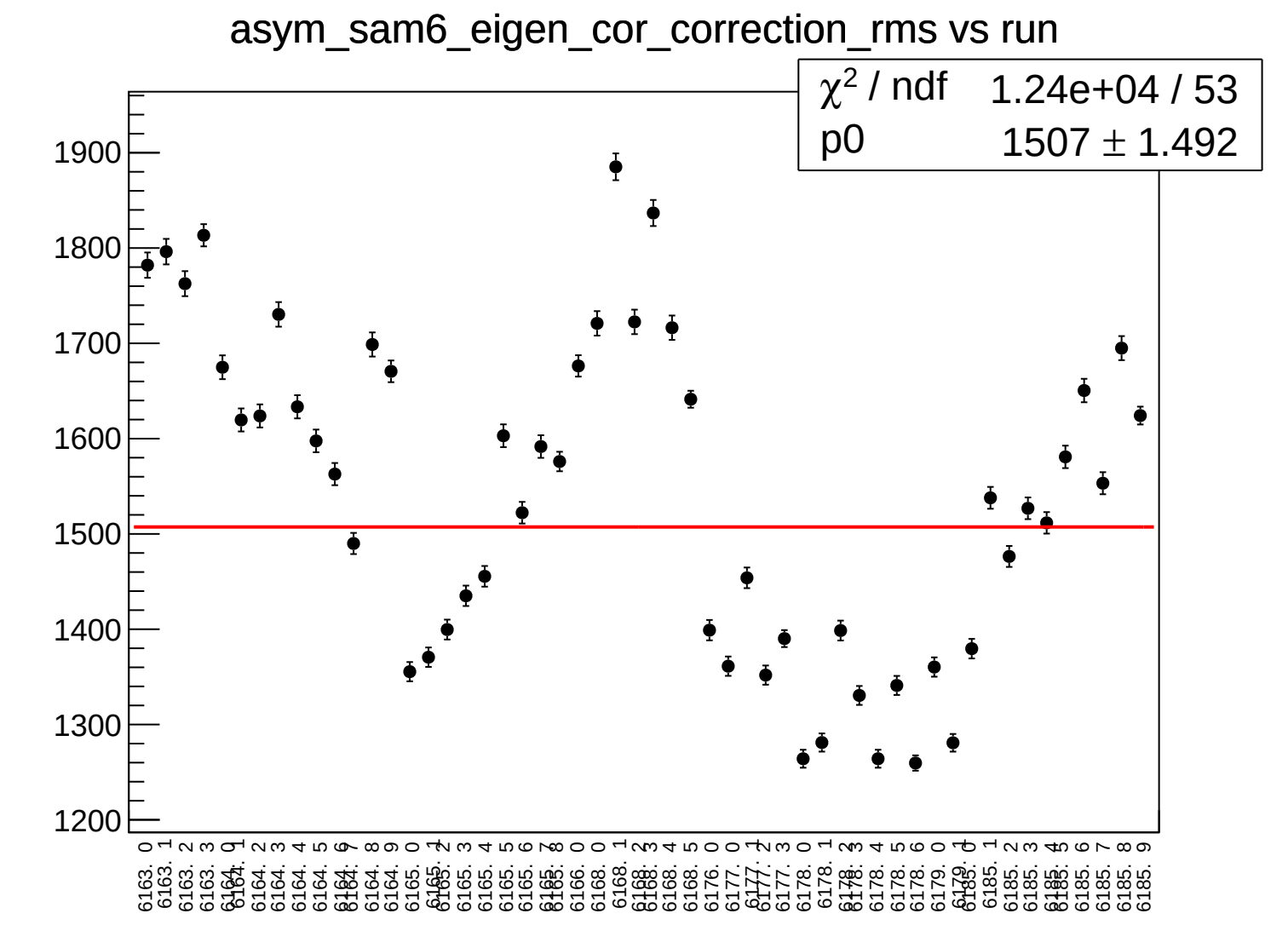
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


asym_sam6_eigen_cor_correction_mean vs run
χ² / ndf 47.68 / 53
p0 −3567 ± 2110
pull
Entries 54
Mean 36.85
Std Dev 30.26


pull1D
Entries 54
Mean −0.02147
Std Dev 0.9394


asym_sam6_eigen_cor_correction_rms vs run
χ² / ndf 1.24e+04 / 53
p0 1507 ± 1.492
1900
1800
1700
1600
1500
1400
1300
1200
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
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6179. 0
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6185. 2
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6185. 6
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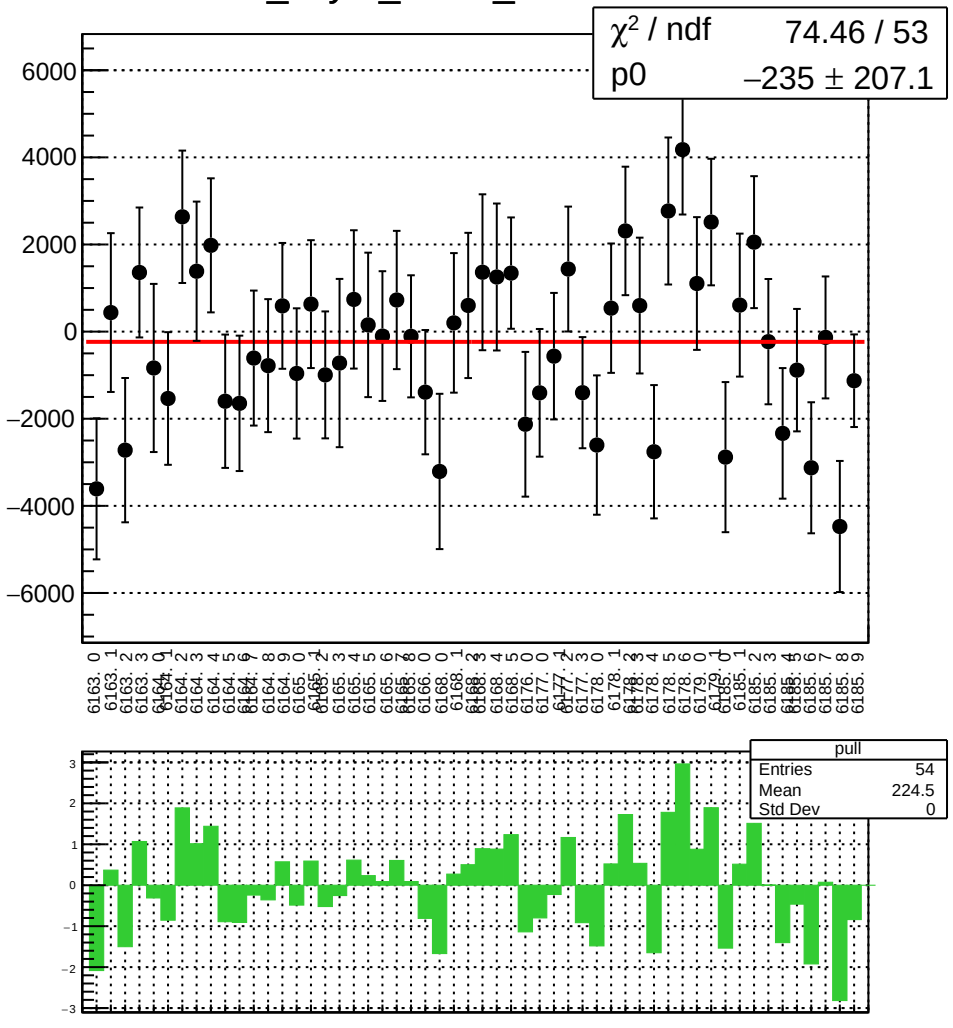
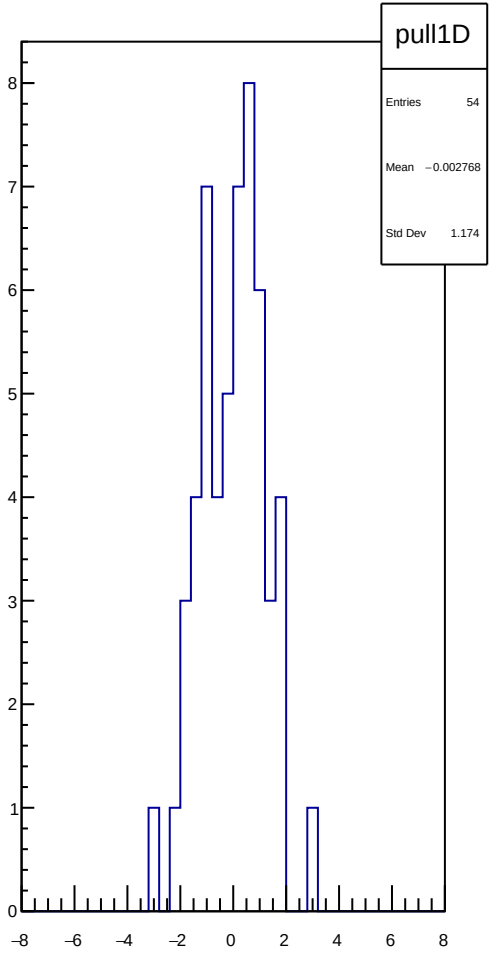
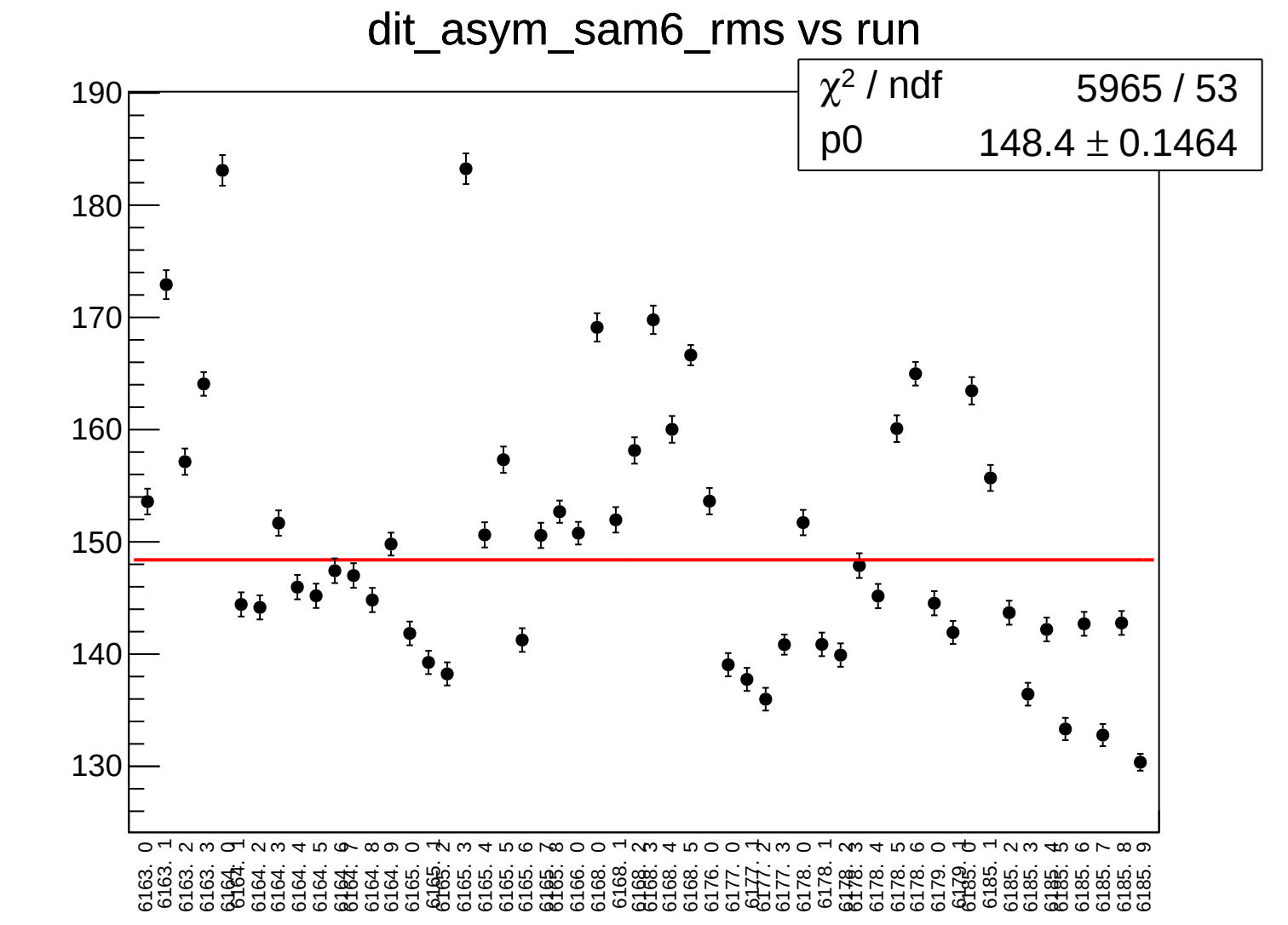
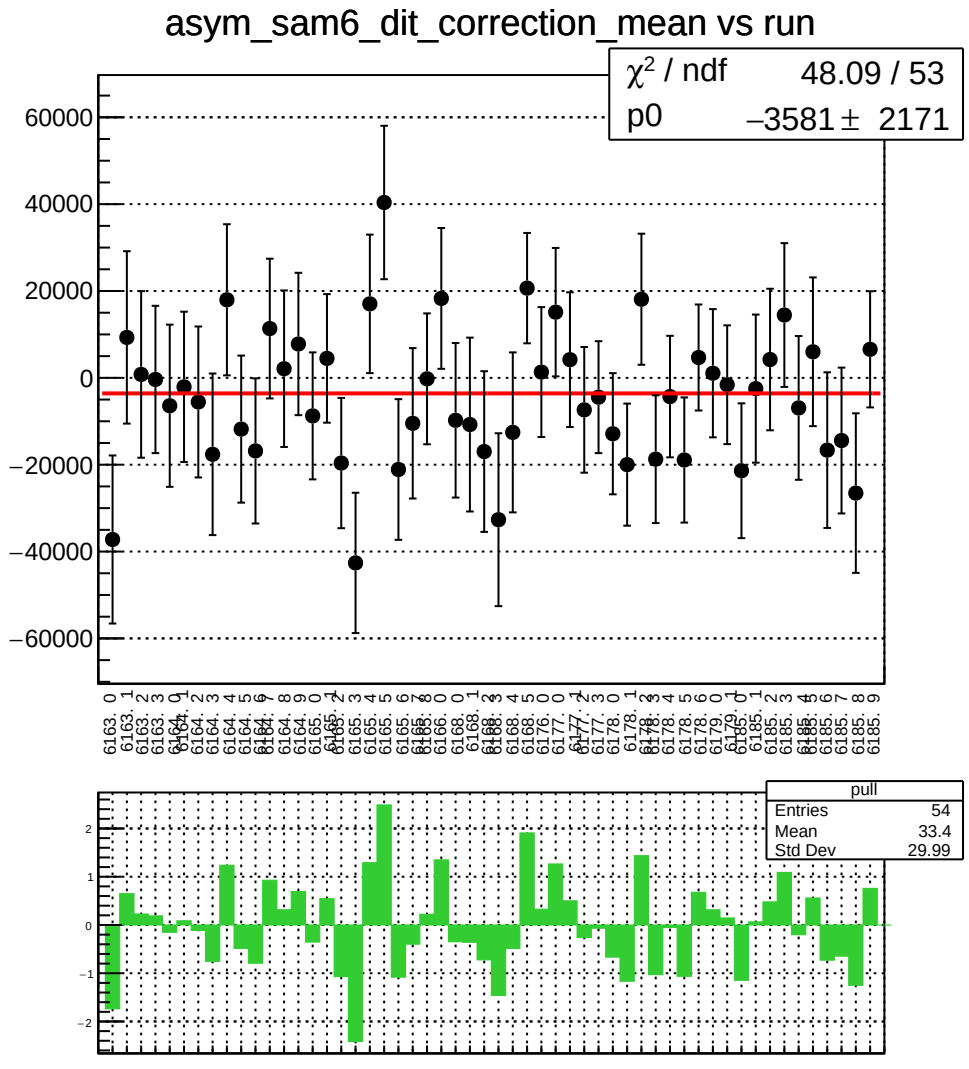
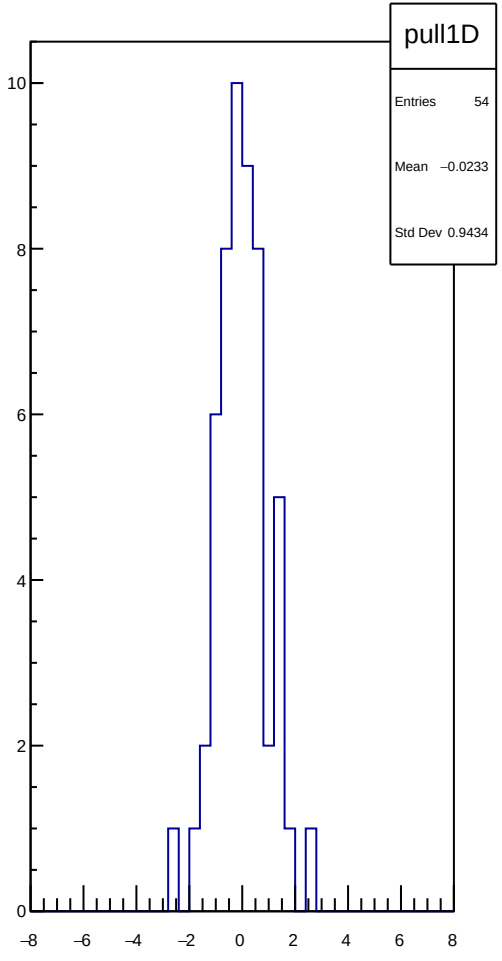
6185. 8
6185. 9

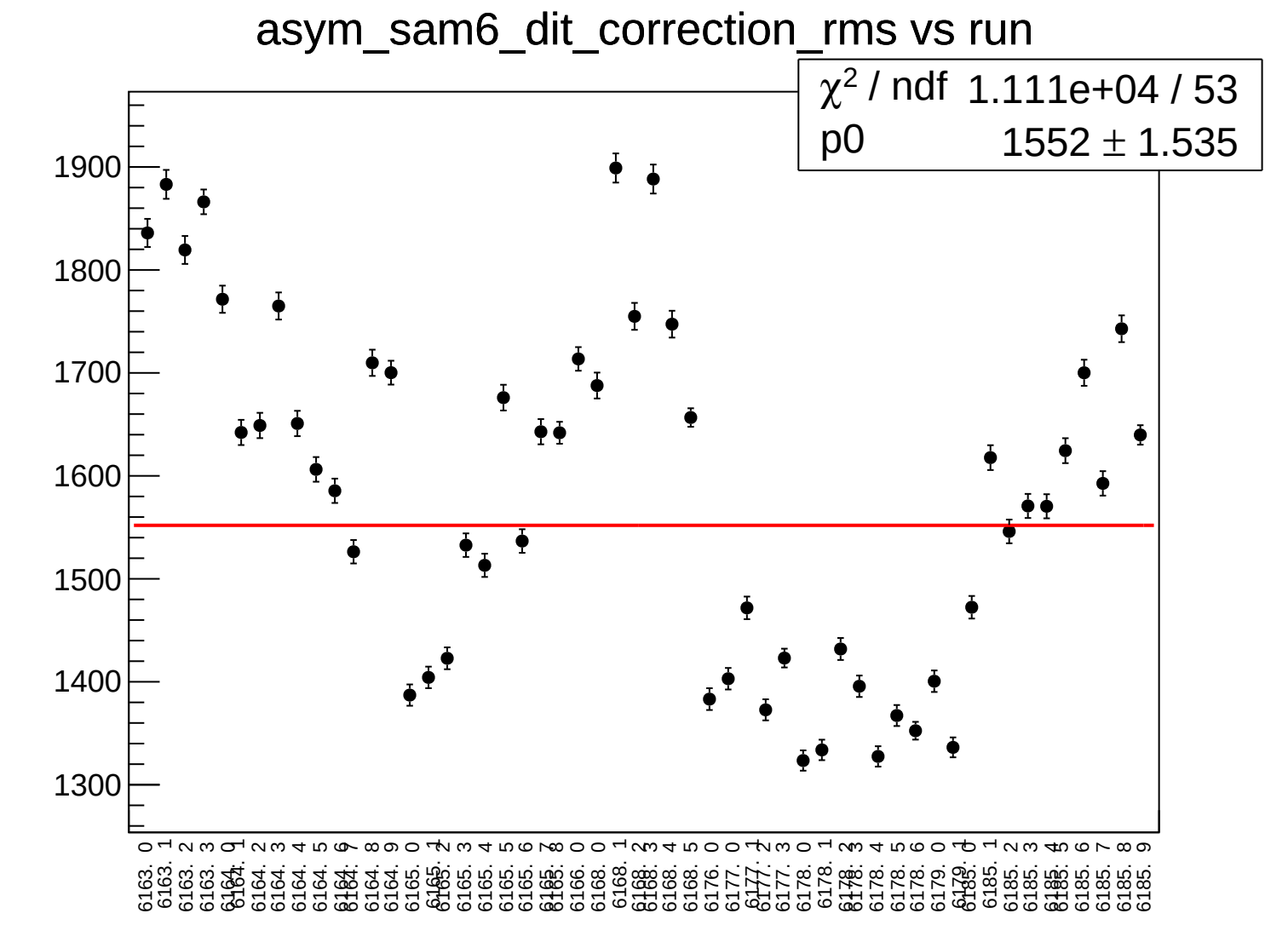

dit_asym_sam6_mean vs run
χ² / ndf 74.46 / 53
p0 −235 ± 207.1
pull
Entries 54
Mean 224.5
Std Dev 0

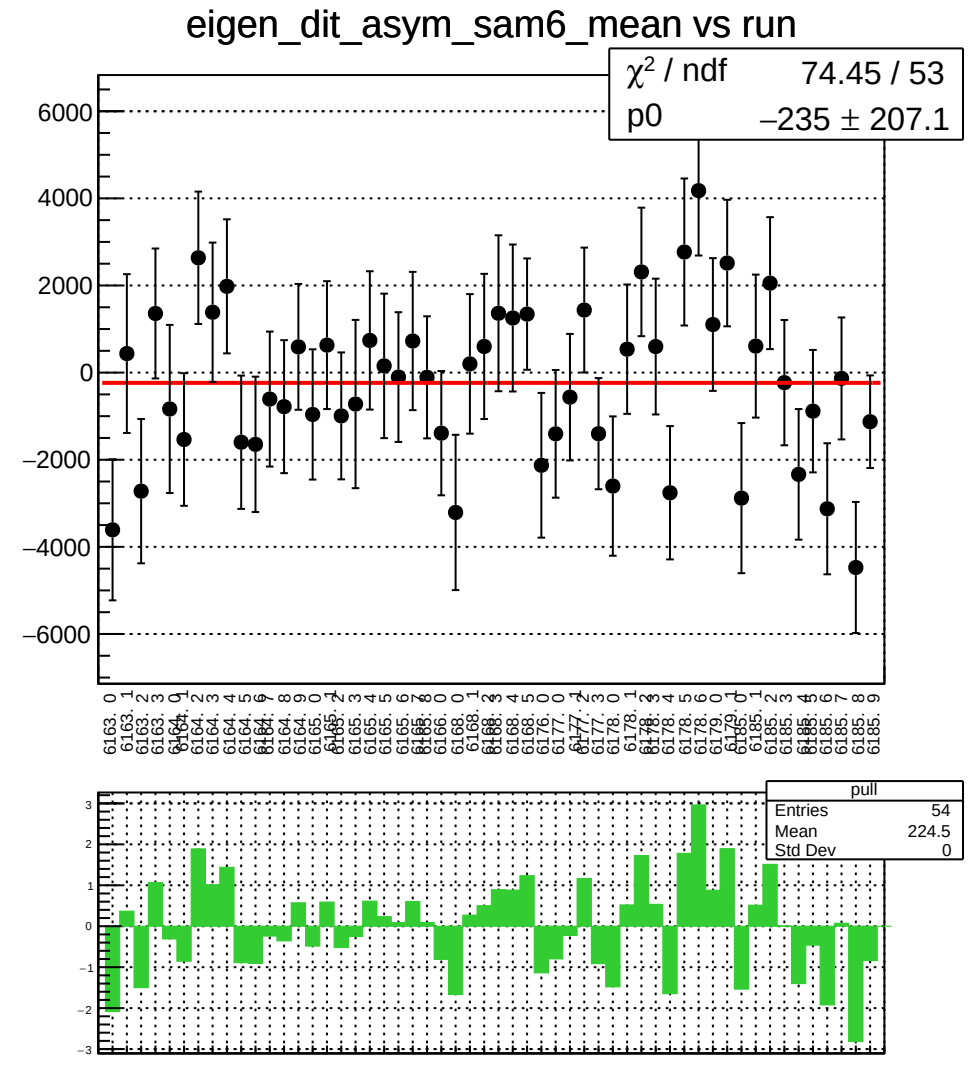

pull1D
Entries 54
Mean −0.002768
Std Dev 1.174

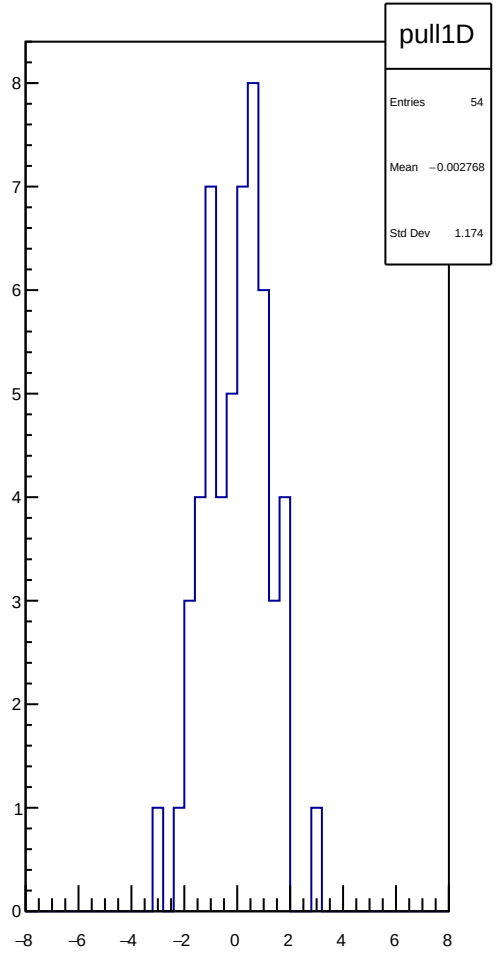

dit_asym_sam6_rms vs run
χ² / ndf 5965 / 53
p0 148.4 ± 0.1464
190
180
170
160
150
140
130
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

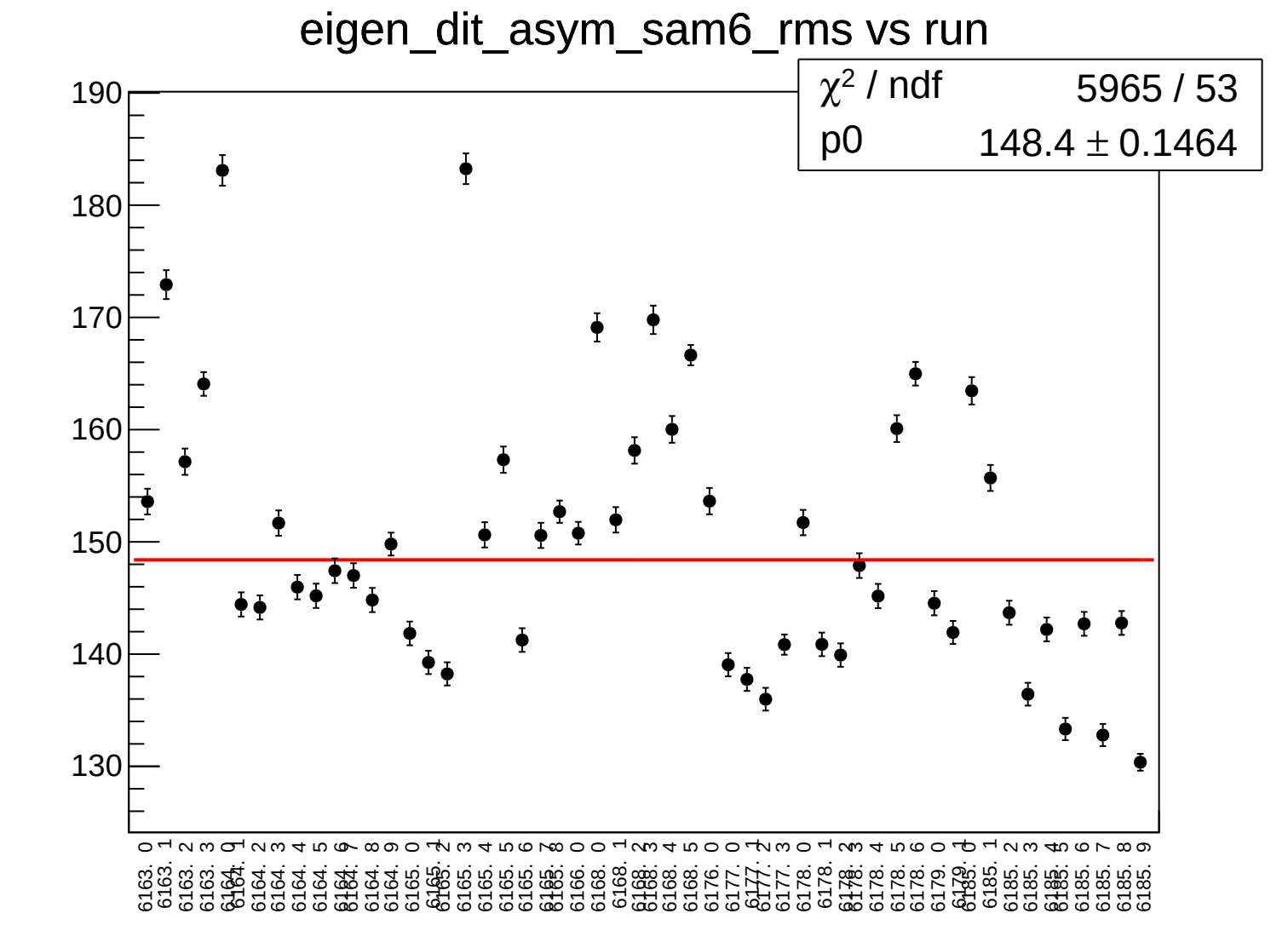

asym_sam6_dit_correction_mean vs run
χ² / ndf 48.09 / 53
p0 −3581 ± 2171
pull
Entries 54
Mean 33.4
Std Dev 29.99


pull1D
Entries 54
Mean −0.0233
Std Dev 0.9434


asym_sam6_dit_correction_rms vs run
χ² / ndf 1.111e+04 / 53
p0 1552 ± 1.535
1900
1800
1700
1600
1500
1400
1300
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


eigen_dit_asym_sam6_mean vs run
χ² / ndf 74.45 / 53
p0 −235 ± 207.1
pull
Entries 54
Mean 224.5
Std Dev 0


pull1D
Entries 54
Mean −0.002768
Std Dev 1.174


eigen_dit_asym_sam6_rms vs run
χ² / ndf 5965 / 53
p0 148.4 ± 0.1464
190
180
170
160
150
140
130
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
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6185. 2
6185. 3
6185. 6
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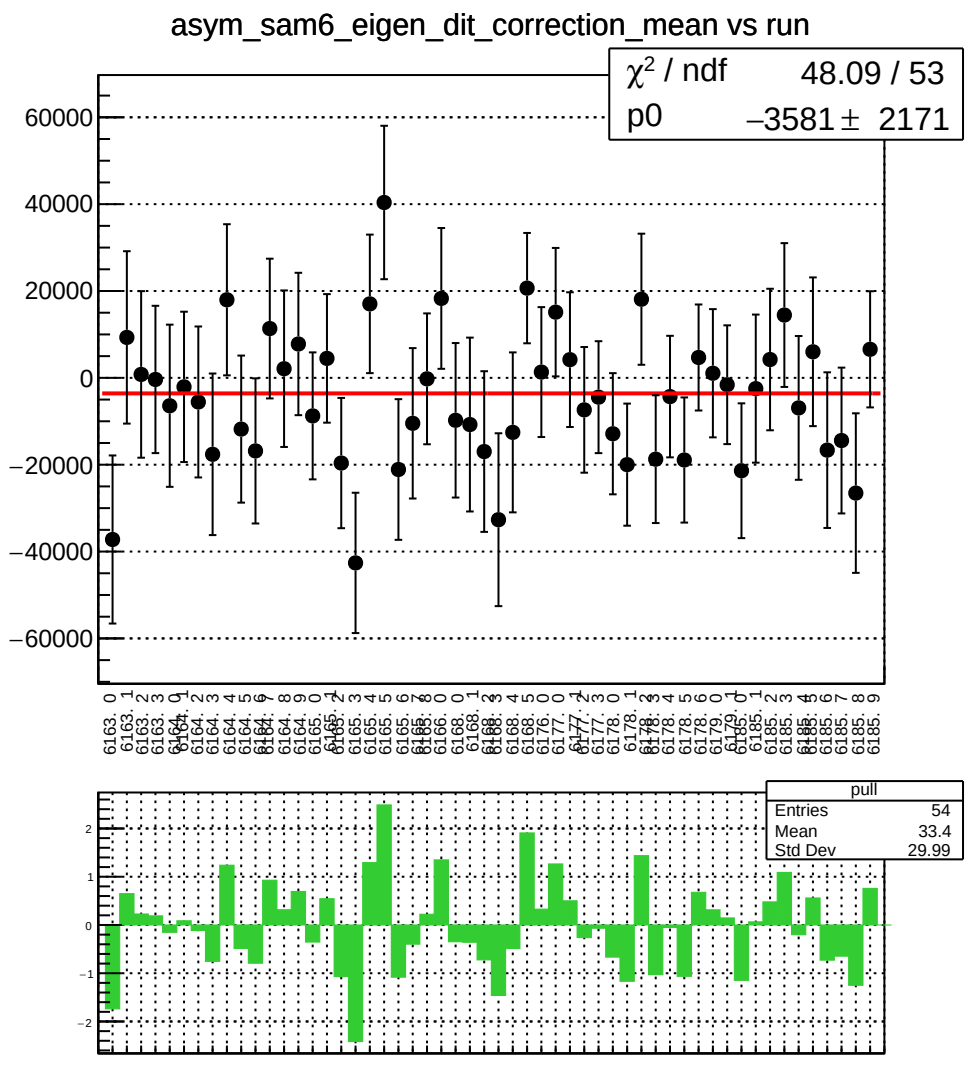
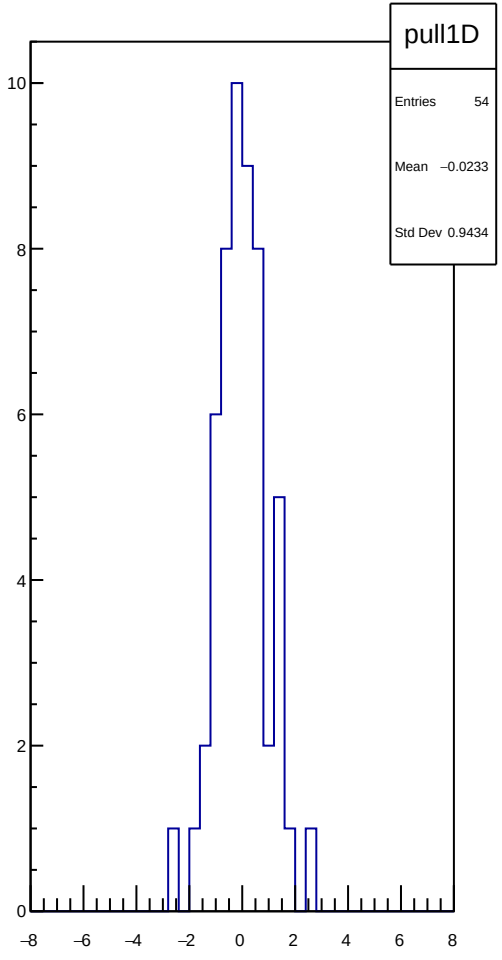
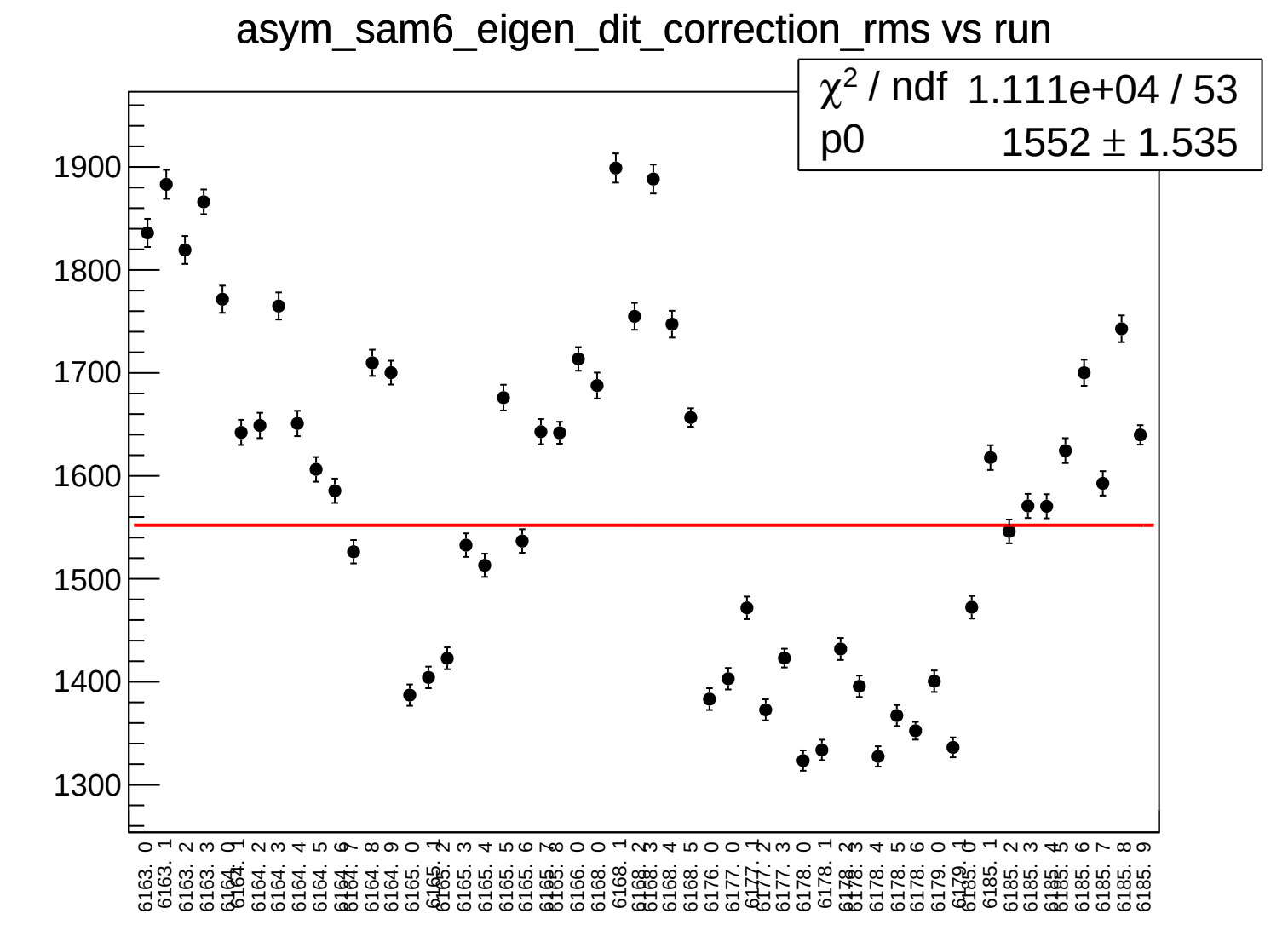
6185. 8
6185. 9


asym_sam6_eigen_dit_correction_mean vs run
χ² / ndf 48.09 / 53
p0 −3581 ± 2171
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 33.4
Std Dev 29.99
2
1
0
−1
−2


pull1D
Entries 54
Mean −0.0233
Std Dev 0.9434
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 1.111e+04 / 53
p0 1552 ± 1.535
1900
1800
1700
1600
1500
1400
1300
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
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6166. 0
6168. 1
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6168. 5
6176. 0
6177. 0
6177. 2
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6178. 0
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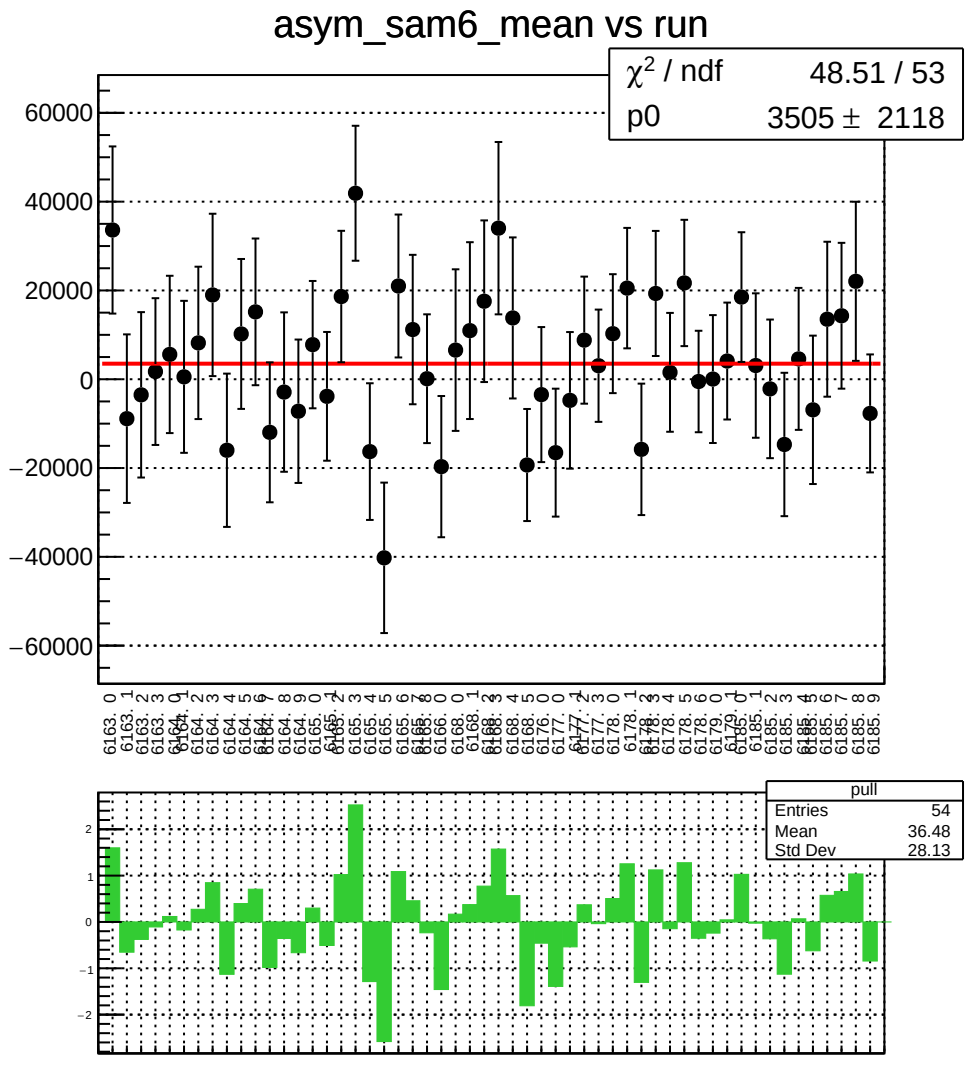
6185. 8
6185. 9


asym_sam6_mean vs run
χ² / ndf 48.51 / 53
p0 3505 ± 2118
60000
40000
20000
0
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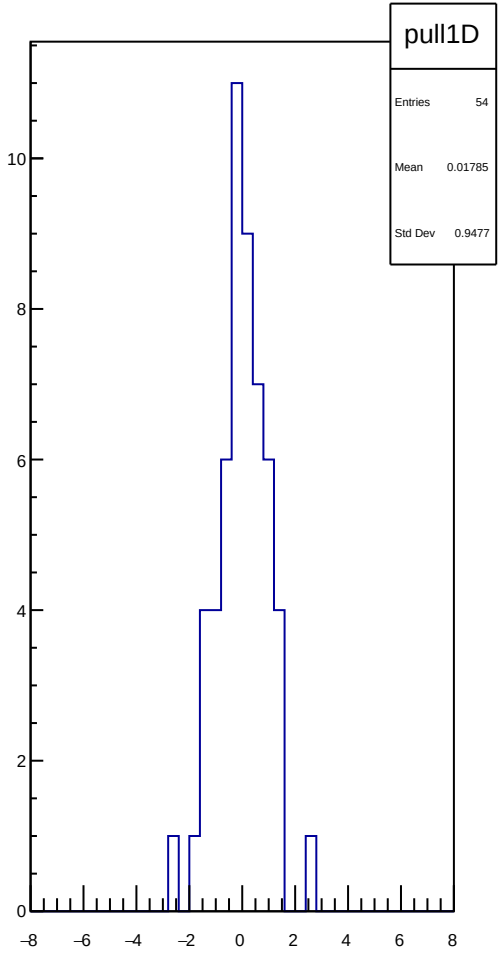
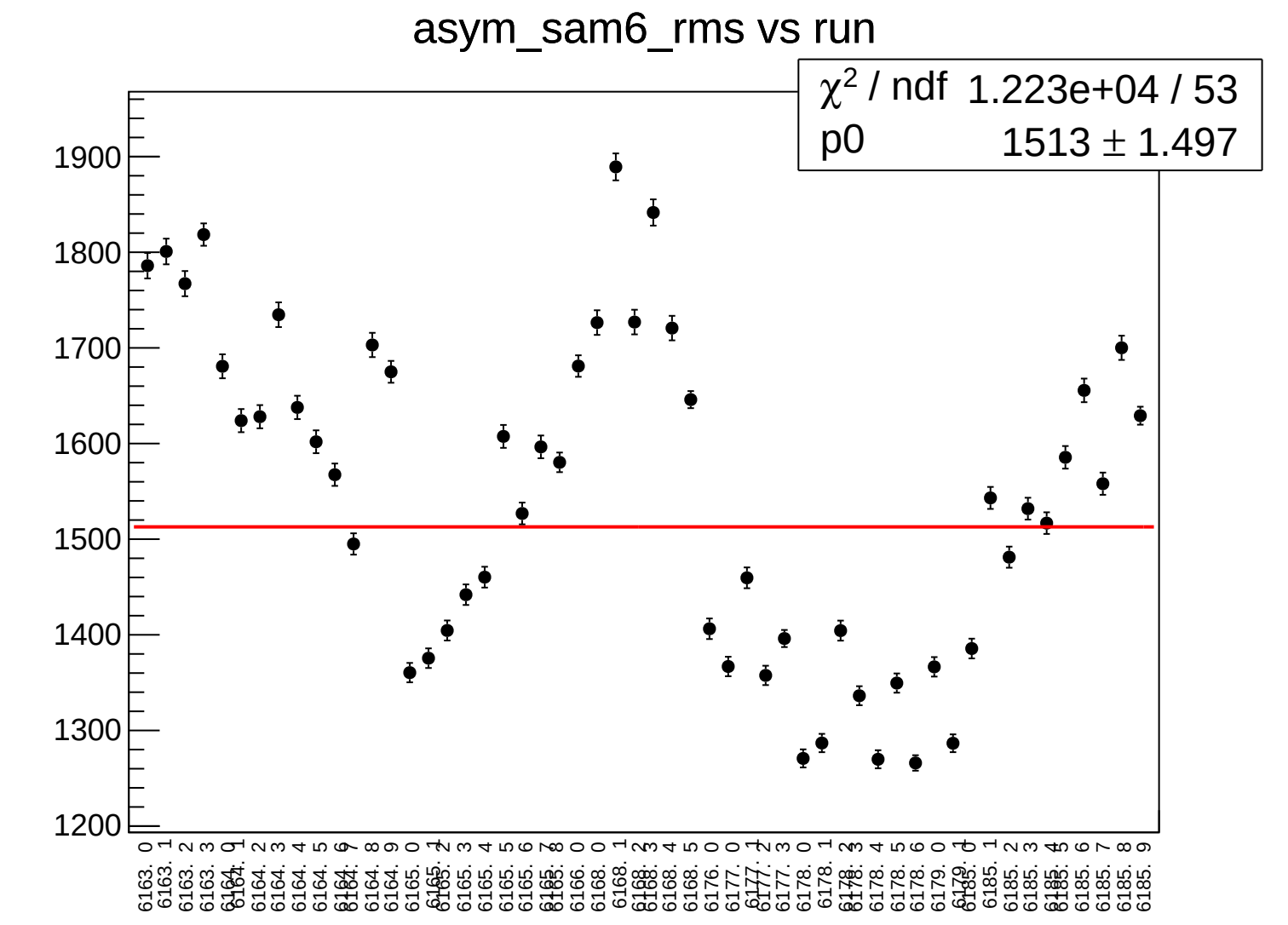
−40000
−60000
pull
Entries 54
Mean 36.48
Std Dev 28.13
2
1
0
−1
−2


pull1D
Entries 54
Mean 0.01785
Std Dev 0.9477
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam6_rms vs run
χ² / ndf 1.223e+04 / 53
p0 1513 ± 1.497
1900
1800
1700
1600
1500
1400
1300
1200
6163. 0
6163. 1
6163. 2
6163. 3
6163. 4
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6164. 0
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6178. 4
6178. 5
6178. 6
6179. 0
6179. 1
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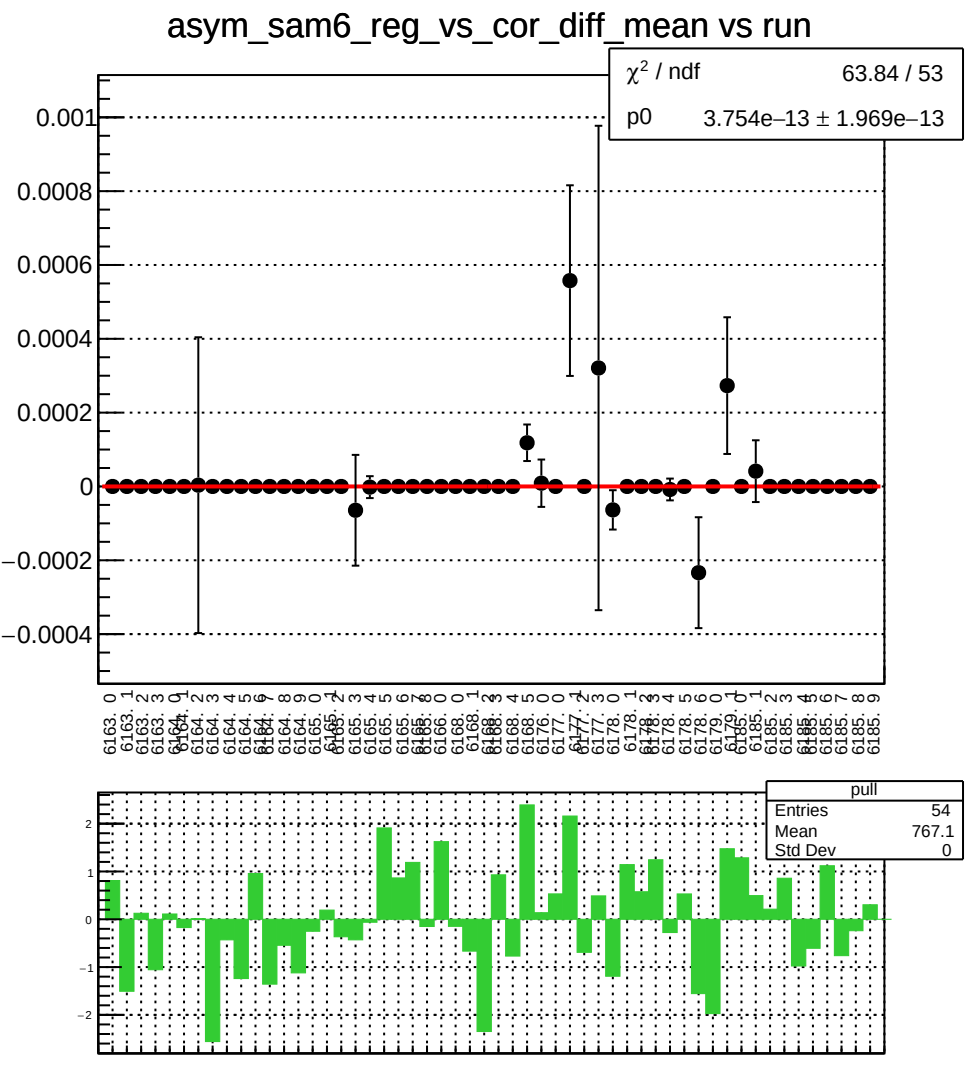
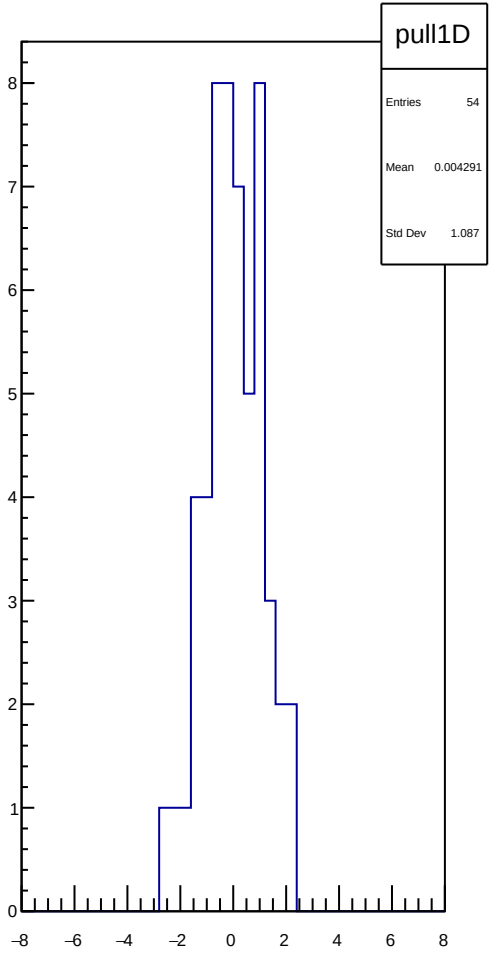
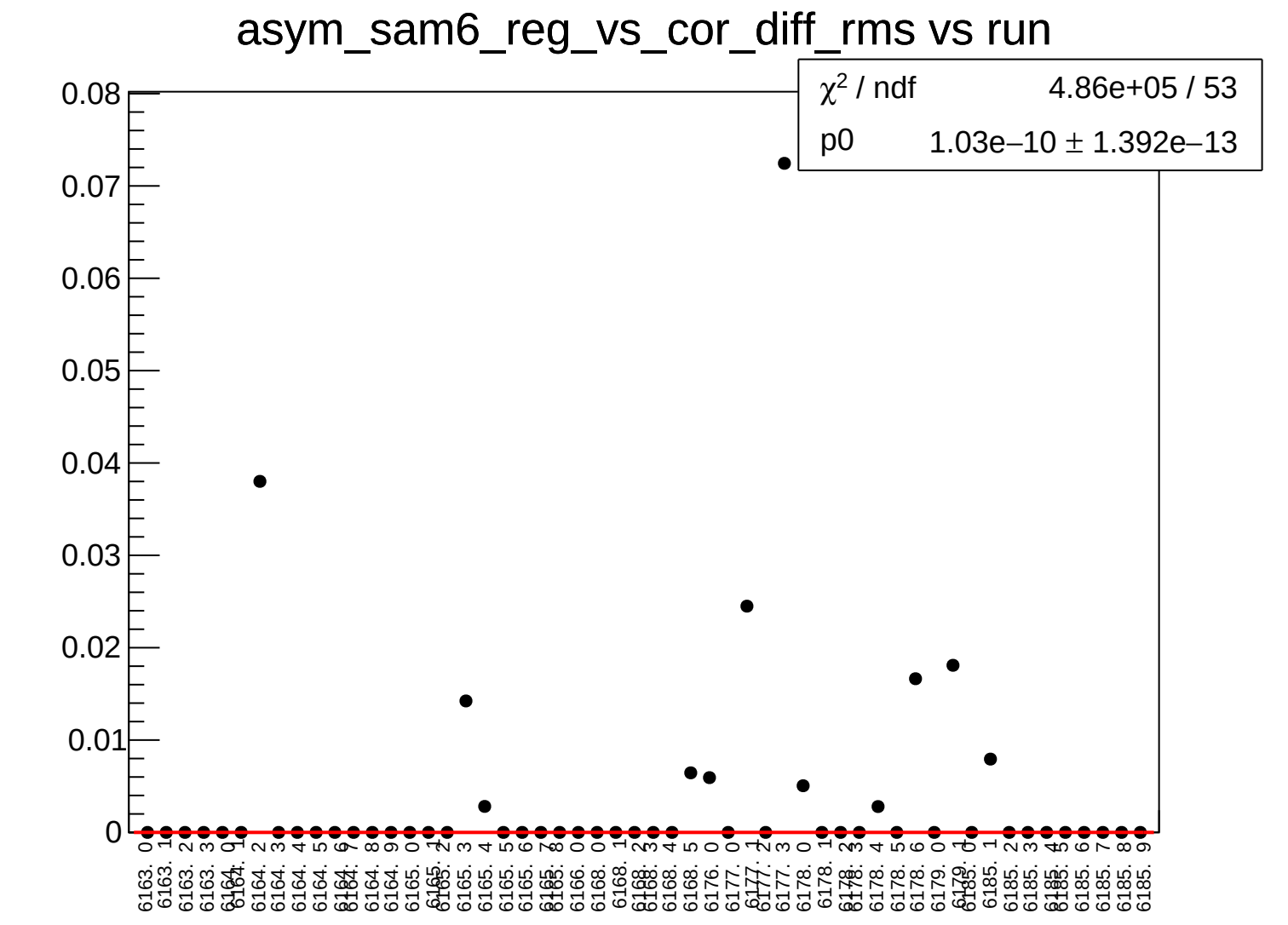
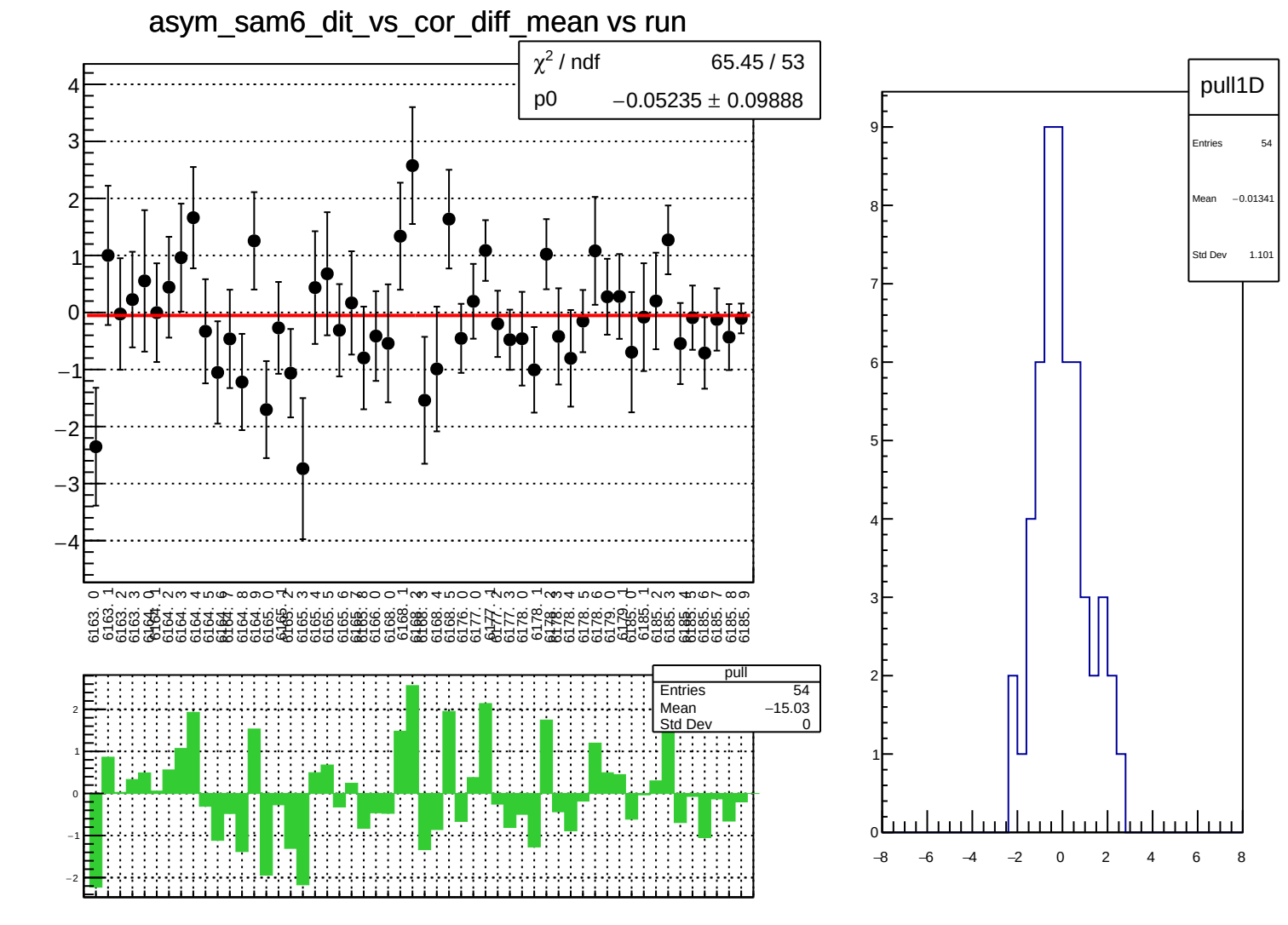
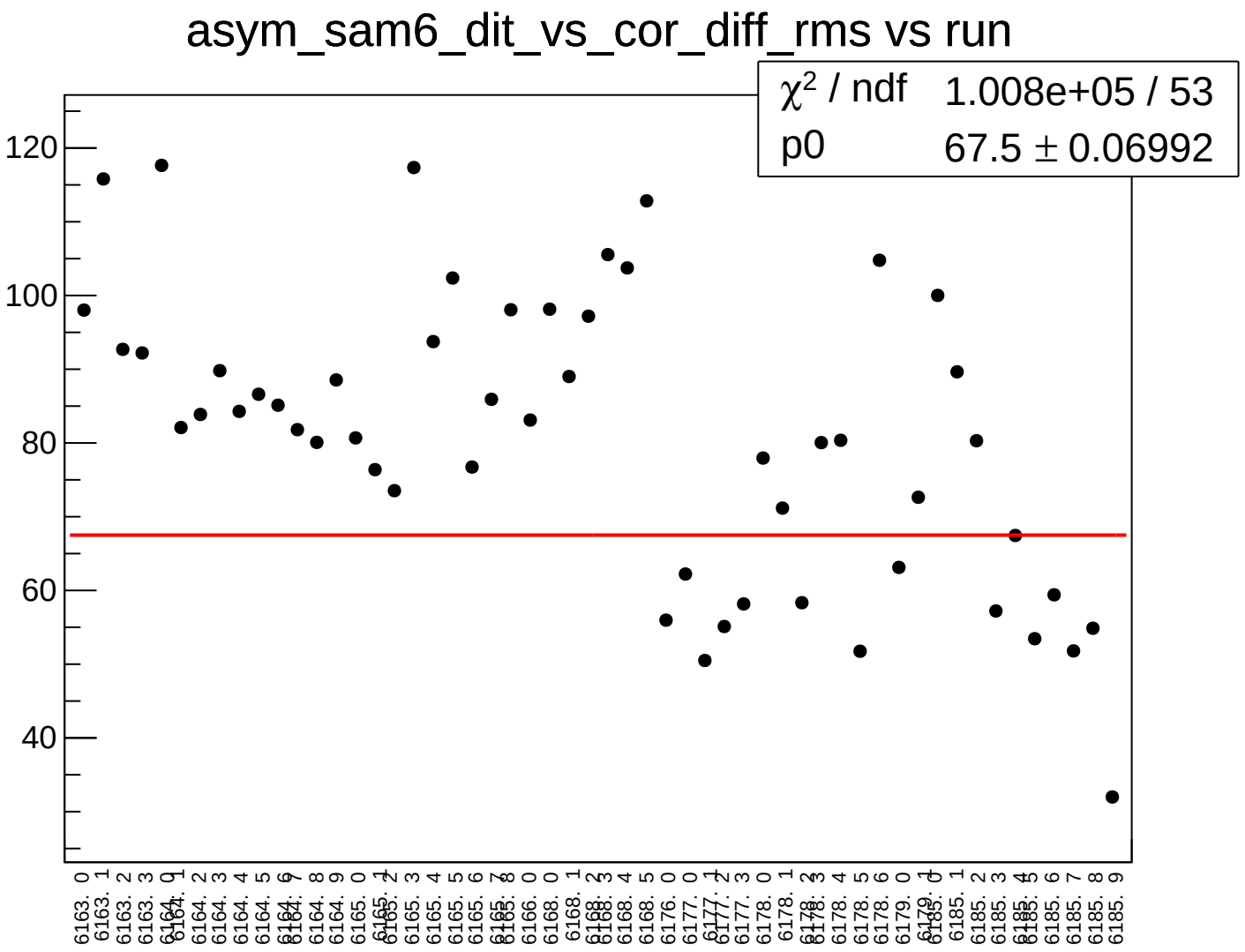
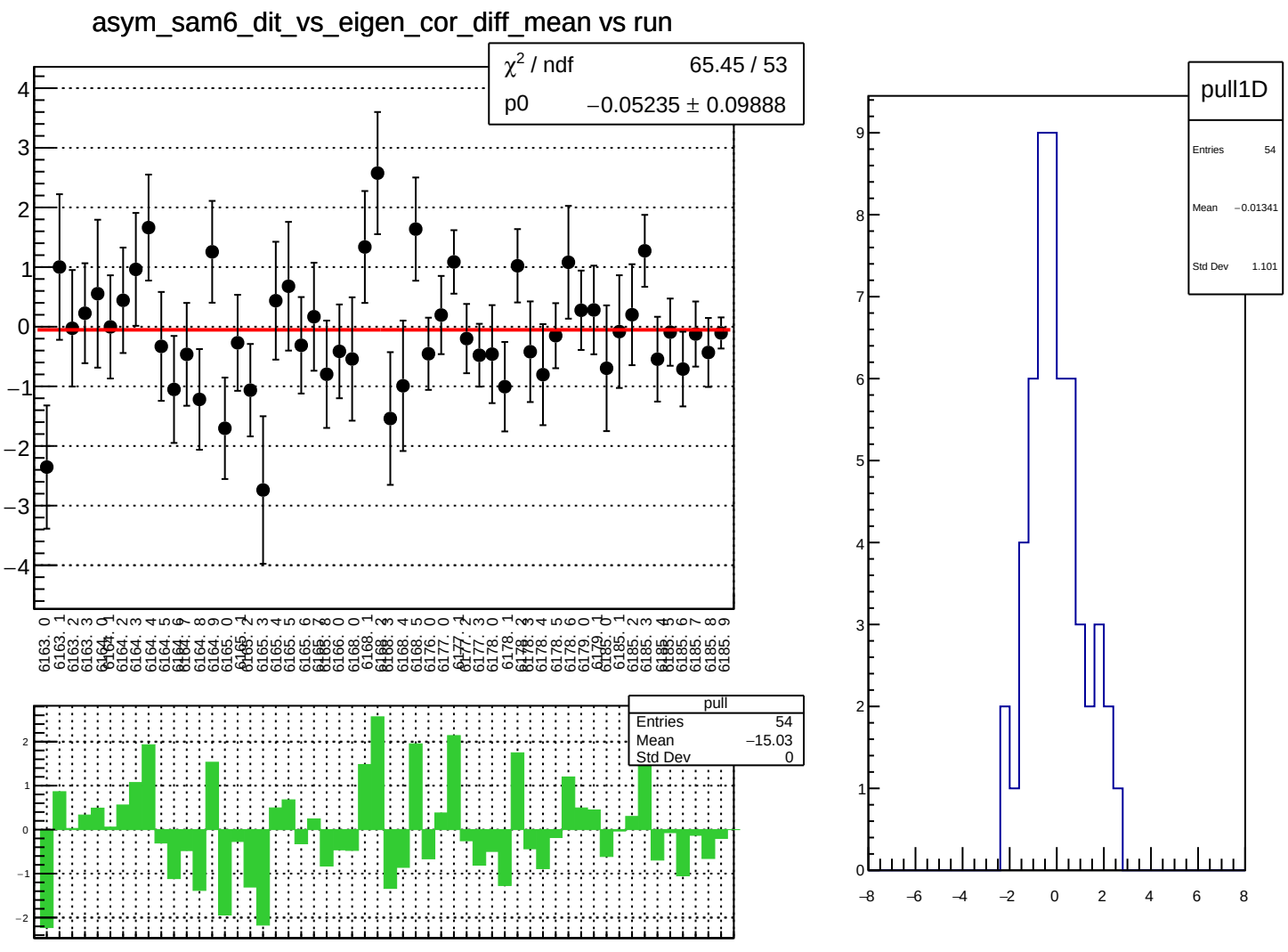

asym_sam6_reg_vs_cor_diff_mean vs run
χ² / ndf 63.84 / 53
p0 3.754e−13 ± 1.969e−13
pull
Entries 54
Mean 767.1
Std Dev 0

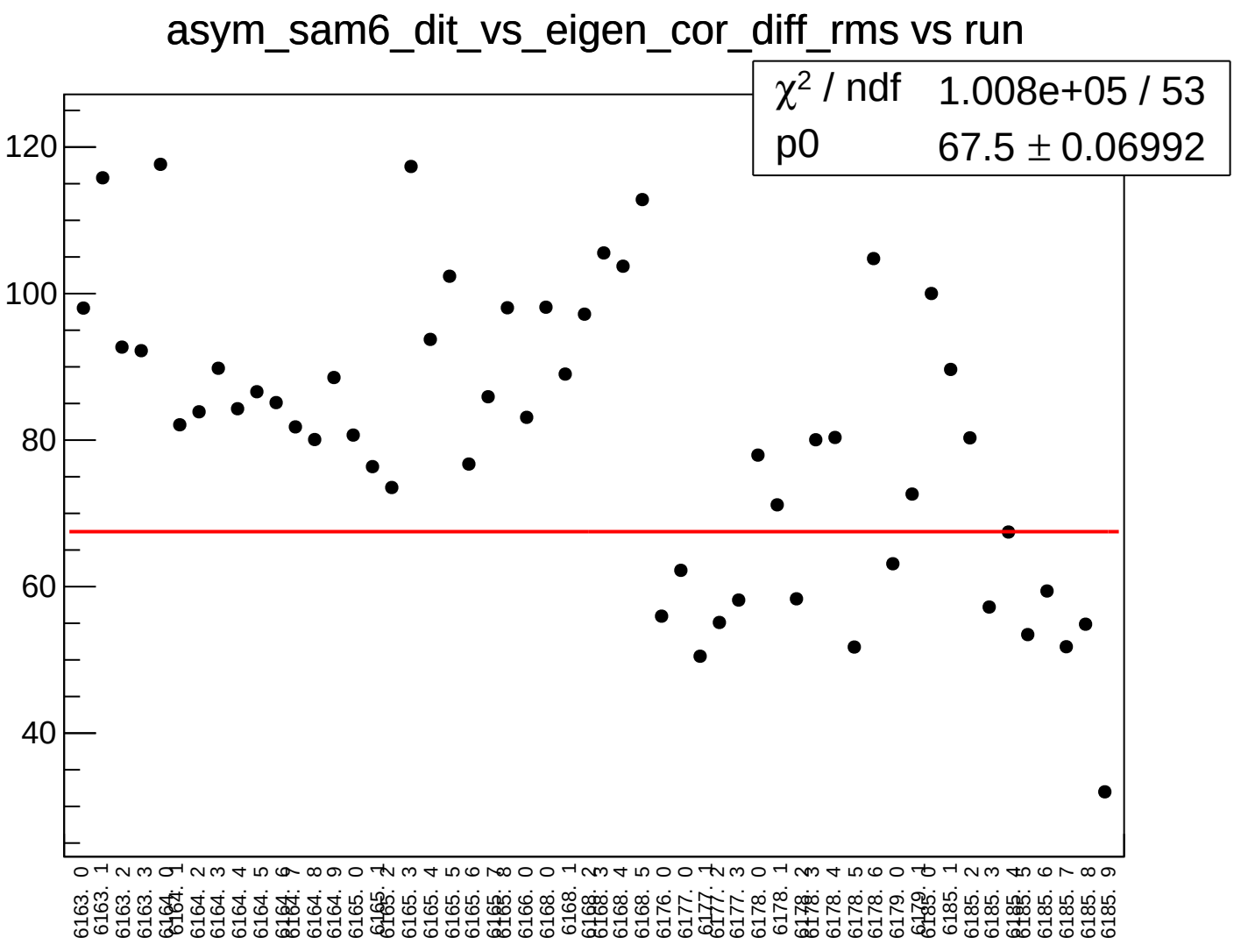

pull1D
Entries 54
Mean 0.004291
Std Dev 1.087

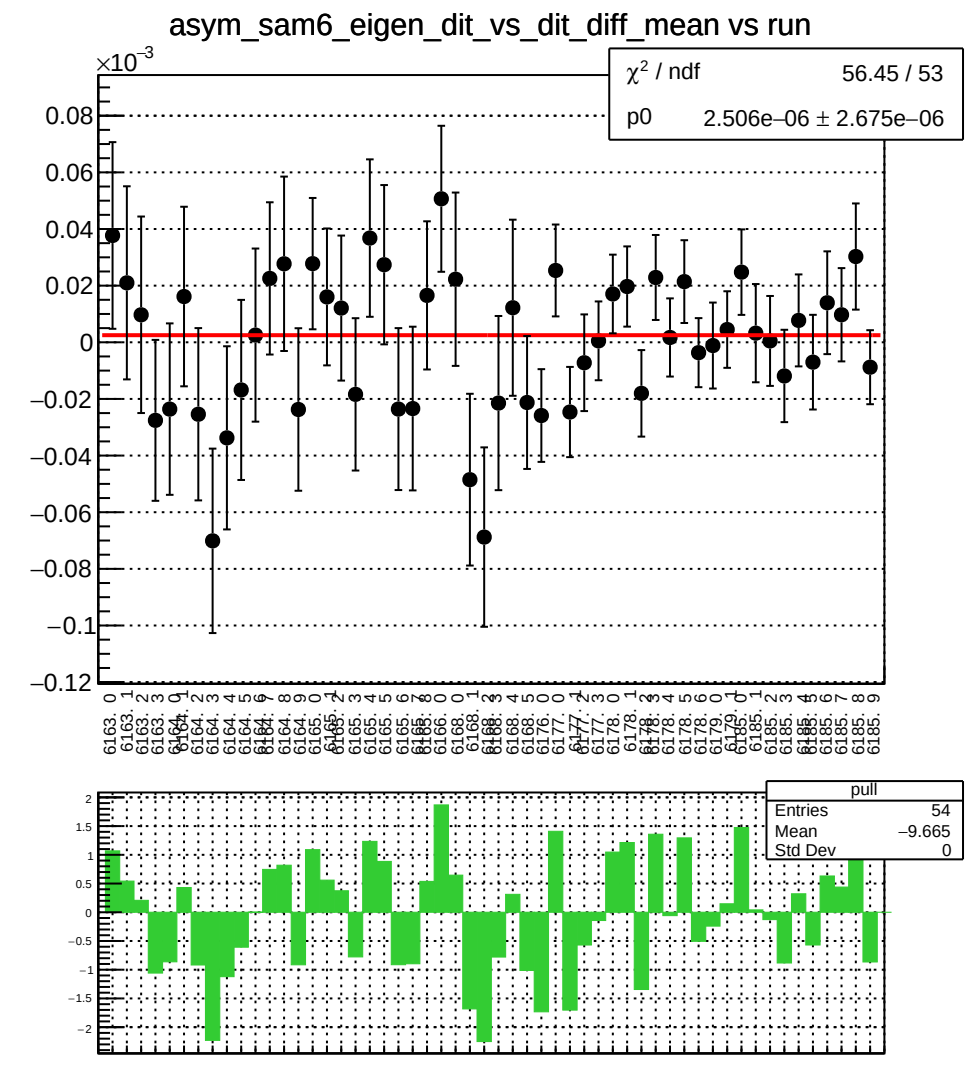

asym_sam6_reg_vs_cor_diff_rms vs run
χ² / ndf 4.86e+05 / 53
p0 1.03e−10 ± 1.392e−13
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 2
6165. 3
6165. 4
6165. 5
6165. 6
6165. 7
6165. 8
6166. 0
6168. 0
6168. 1
6168. 2
6168. 3
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 3
6178. 4
6178. 5
6178. 6
6179. 0
6179. 1
6185. 0
6185. 1
6185. 2
6185. 3
6185. 4
6185. 5
6185. 6
6185. 7
6185. 8
6185. 9

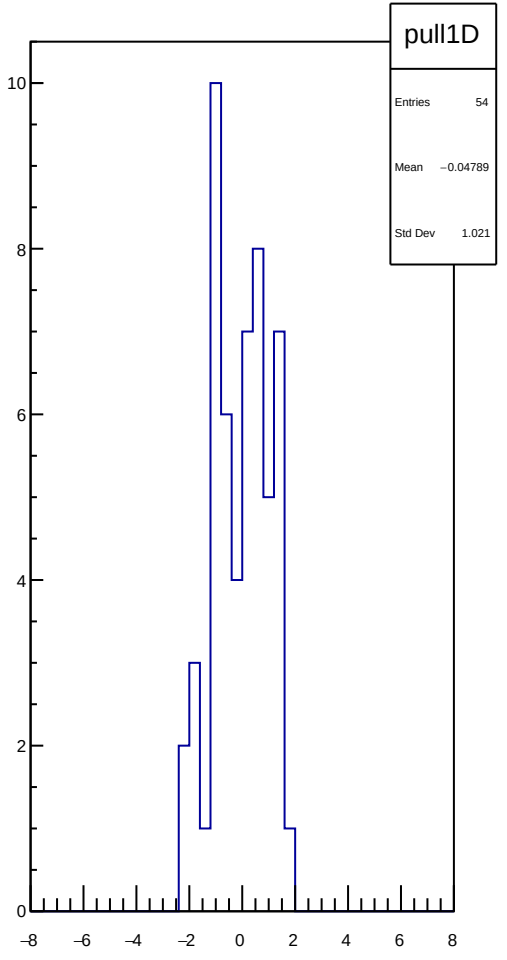

asym_sam6_dit_vs_cor_diff_mean vs run
χ² / ndf 65.45 / 53
p0 −0.05235 ± 0.09888
pull
Entries 54
Mean −15.03
Std Dev 0
pull1D
Entries 54
Mean −0.01341
Std Dev 1.101

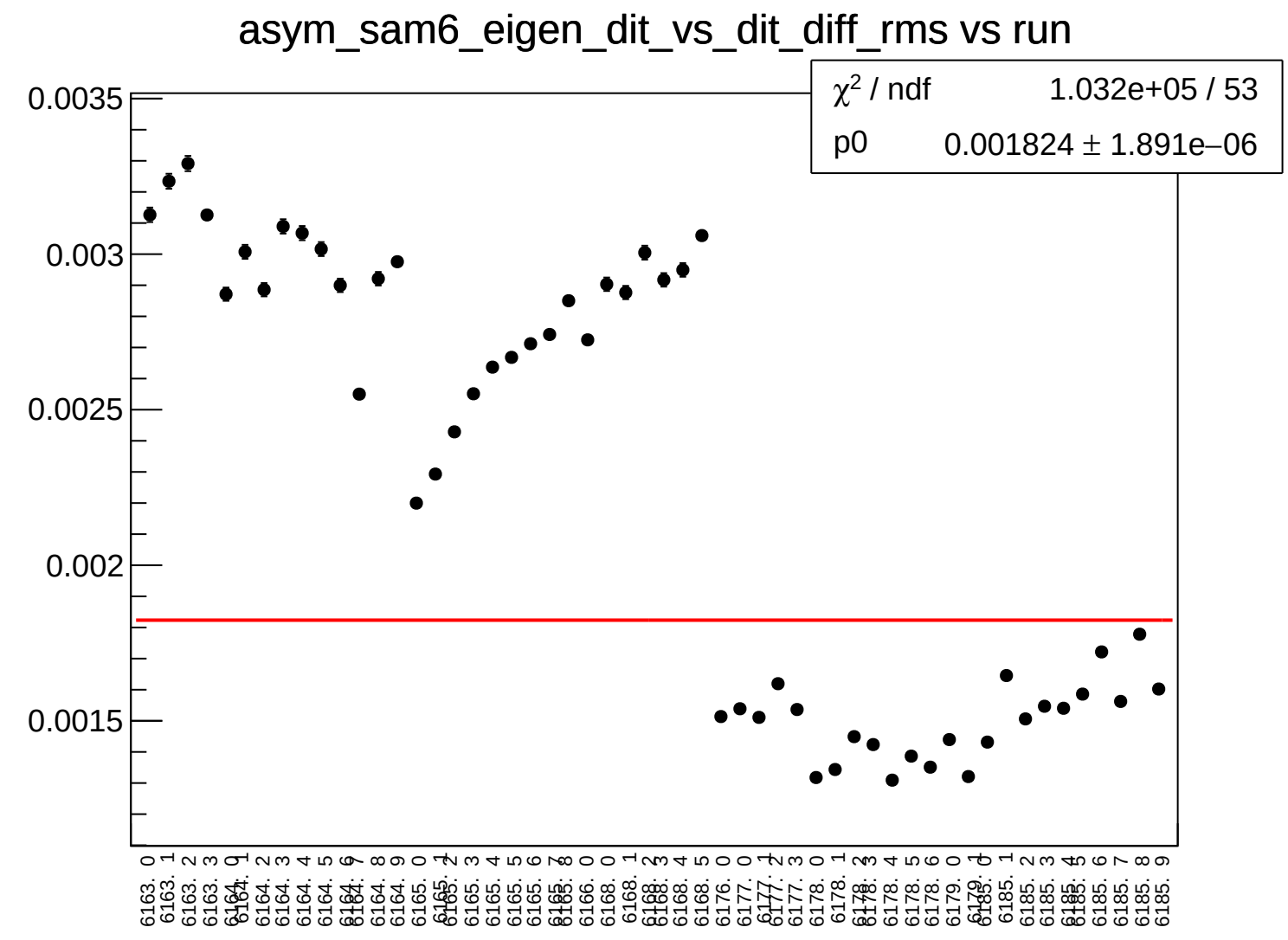

asym_sam6_dit_vs_cor_diff_rms vs run
χ² / ndf 1.008e+05 / 53
p0 67.5 ± 0.06992
120
100
80
60
40
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

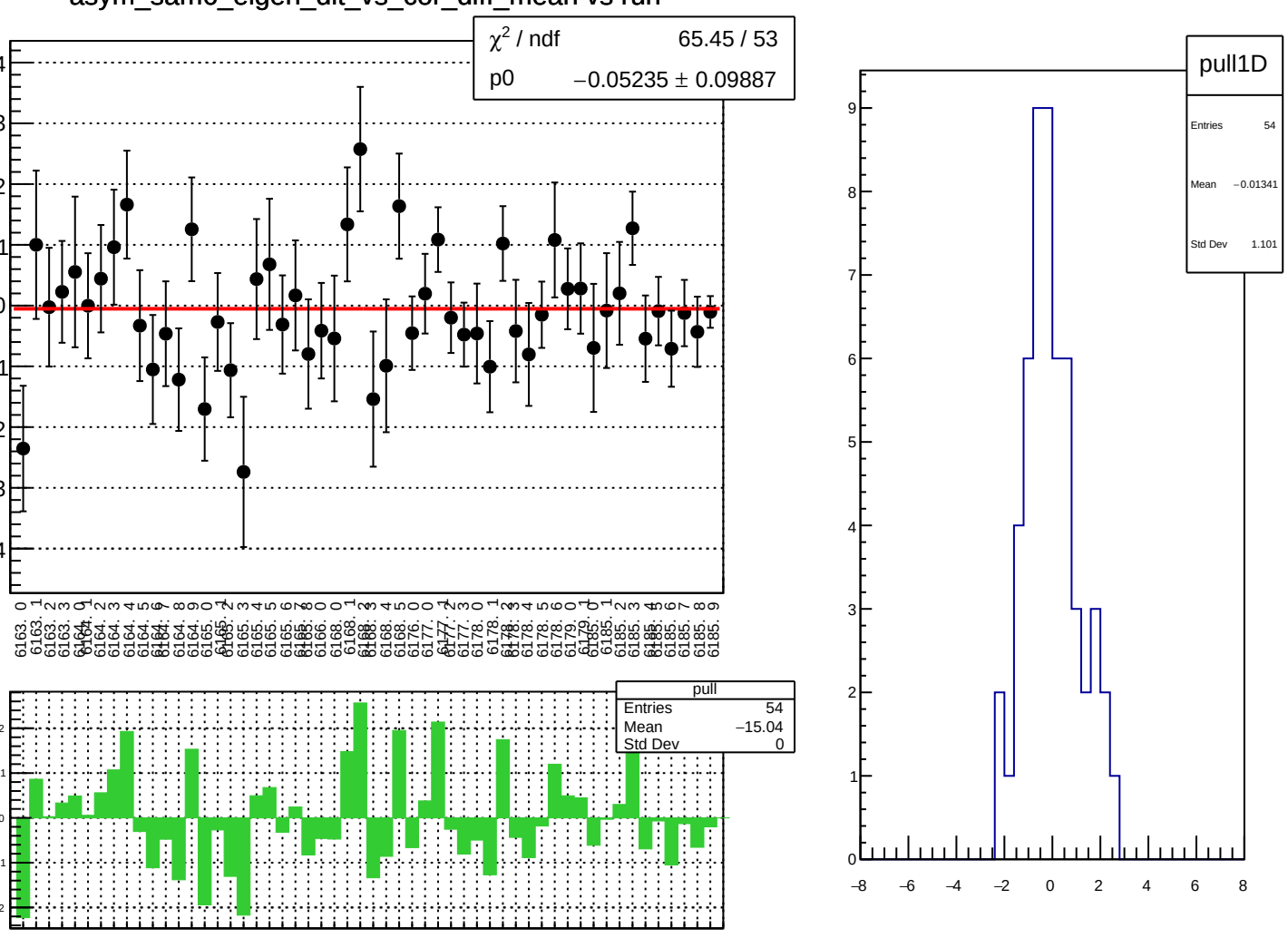

asym_sam6_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 65.45 / 53
p0 −0.05235 ± 0.09888
pull
Entries 54
Mean −15.03
Std Dev 0
pull1D
Entries 54
Mean −0.01341
Std Dev 1.101

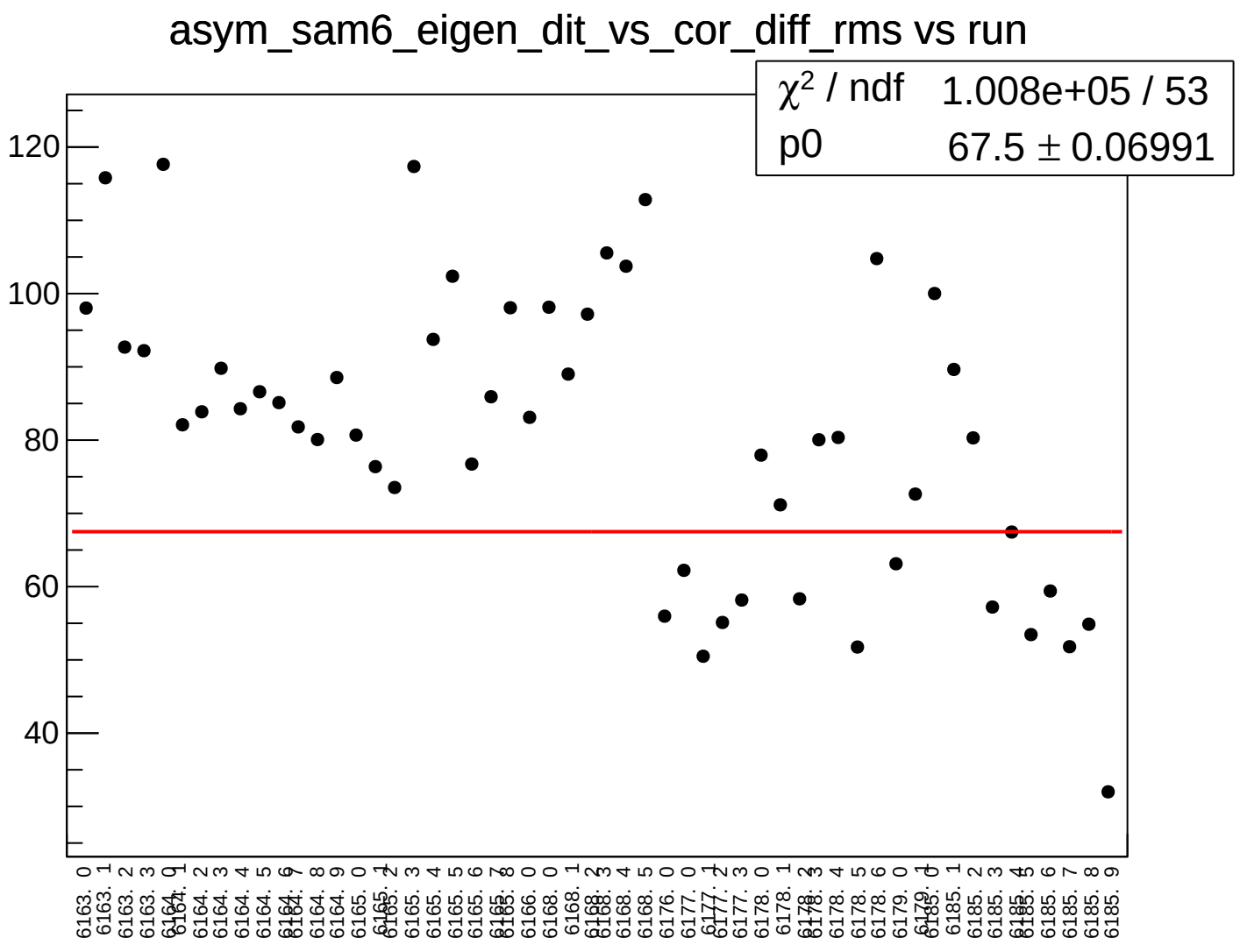

asym_sam6_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.008e+05 / 53
p0 67.5 ± 0.06992
120
100
80
60
40
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

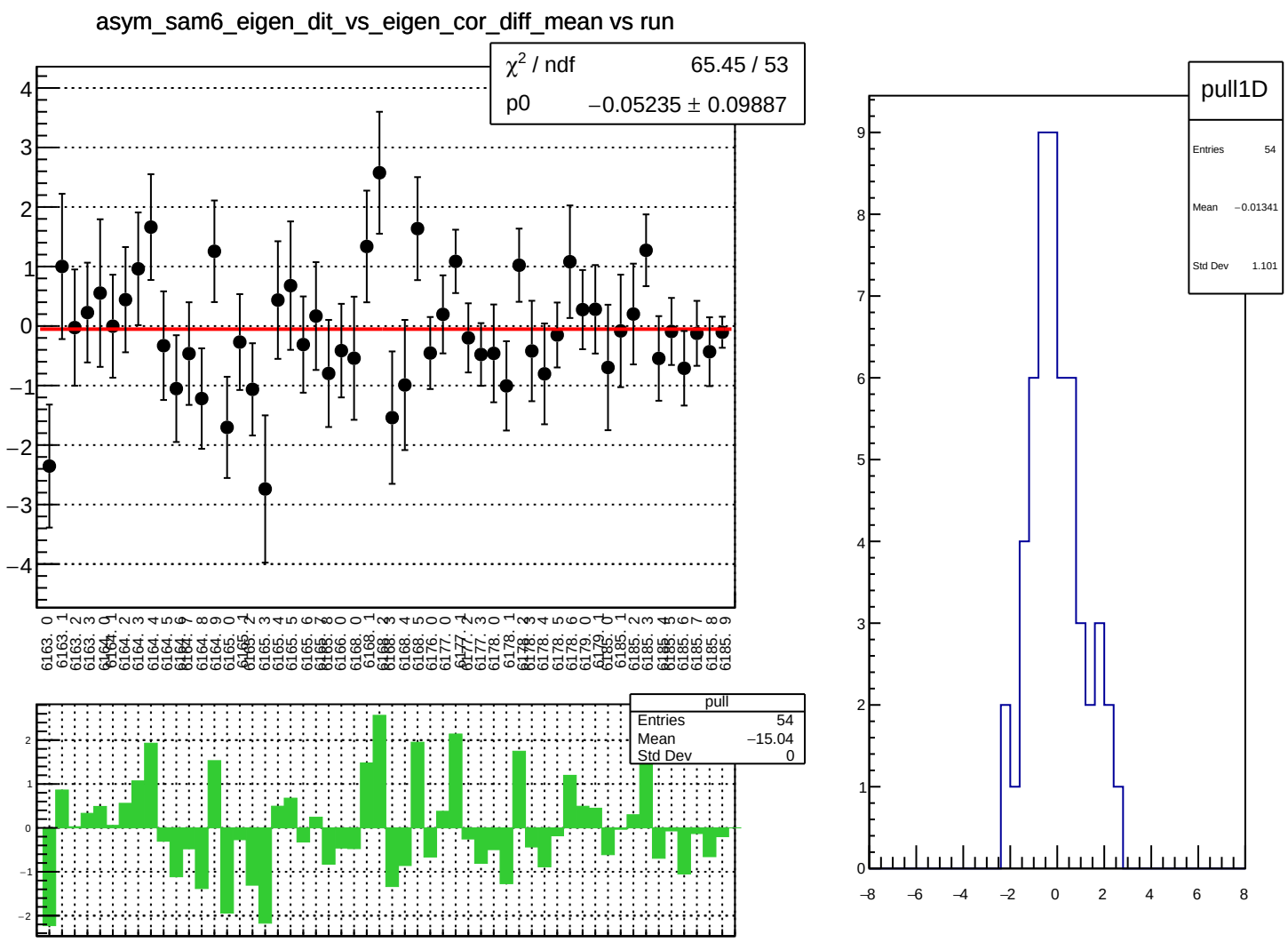

asym_sam6_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 56.45 / 53
p0 2.506e−06 ± 2.675e−06
pull
Entries 54
Mean −9.665
Std Dev 0

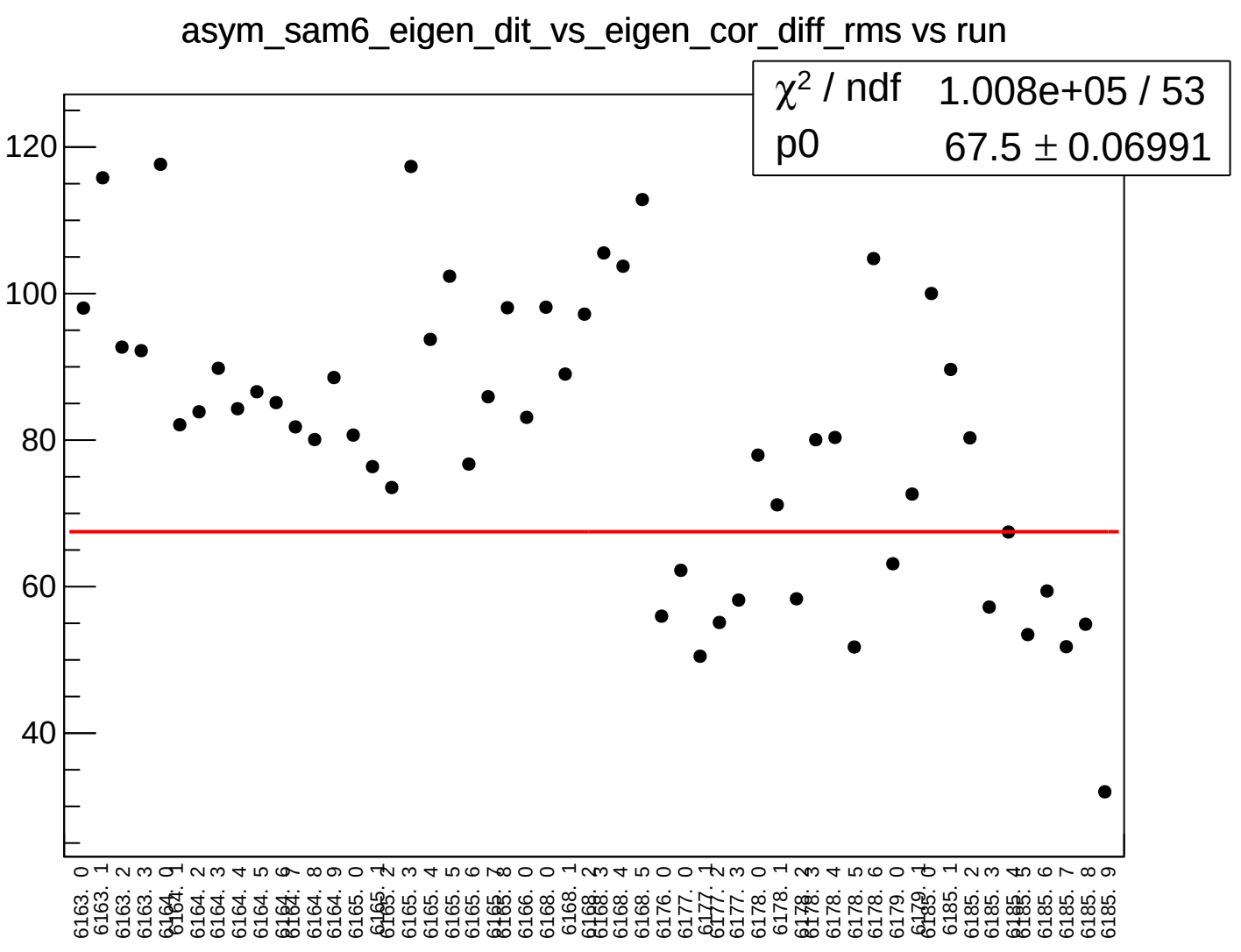

pull1D
Entries 54
Mean −0.04789
Std Dev 1.021

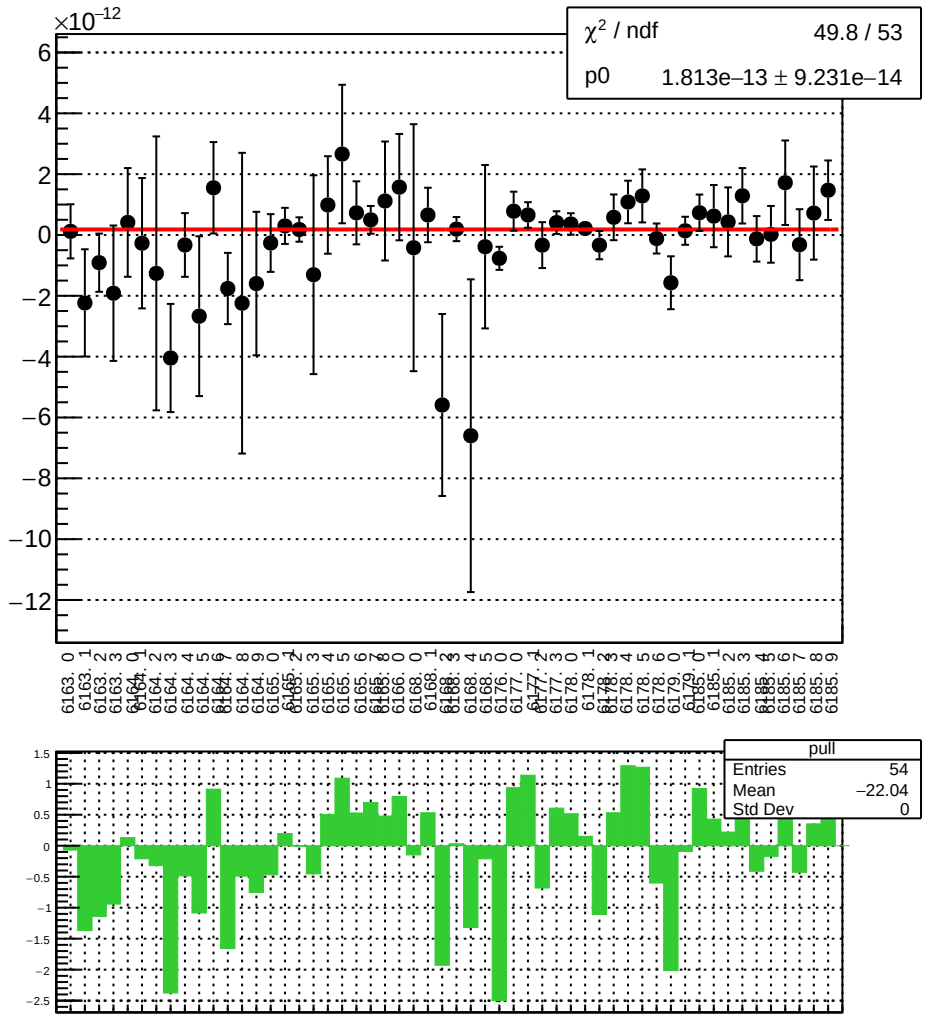

asym_sam6_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.032e+05 / 53
p0 0.001824 ± 1.891e−06
0.0035
0.003
0.0025
0.002
0.0015
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

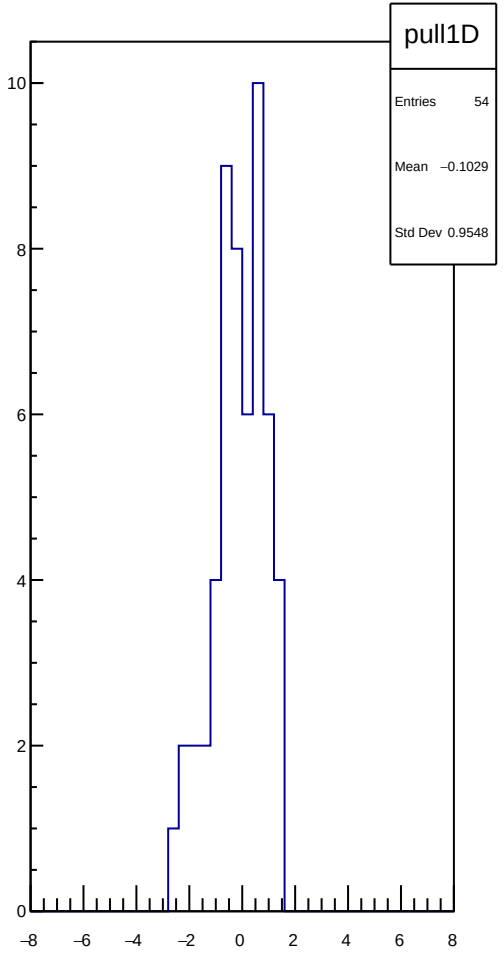

asym_sam6_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 65.45 / 53
p0 −0.05235 ± 0.09887
pull
Entries 54
Mean −15.04
Std Dev 0
pull1D
Entries 54
Mean −0.01341
Std Dev 1.101

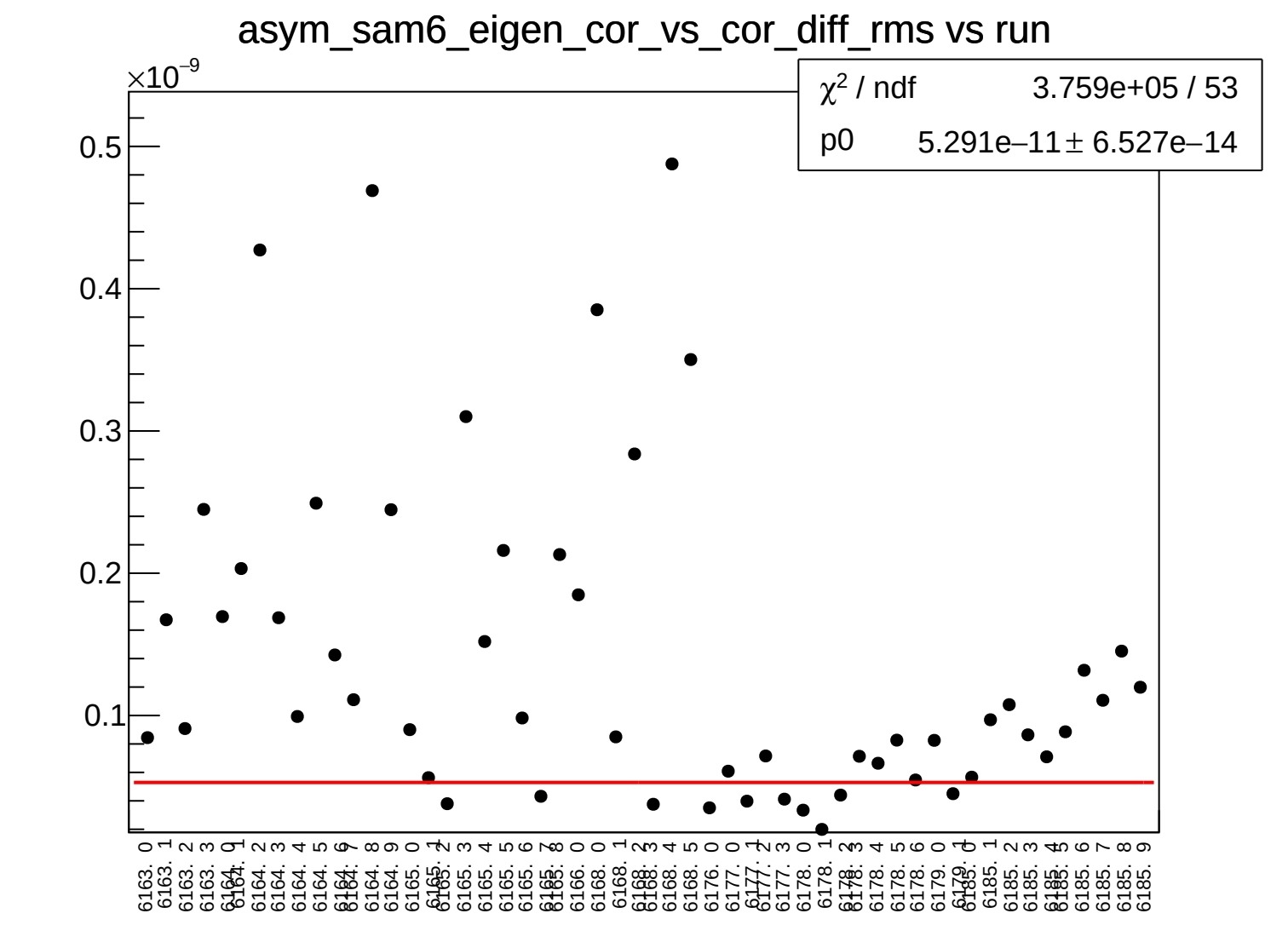

asym_sam6_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.008e+05 / 53
p0 67.5 ± 0.06991
120
100
80
60
40
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

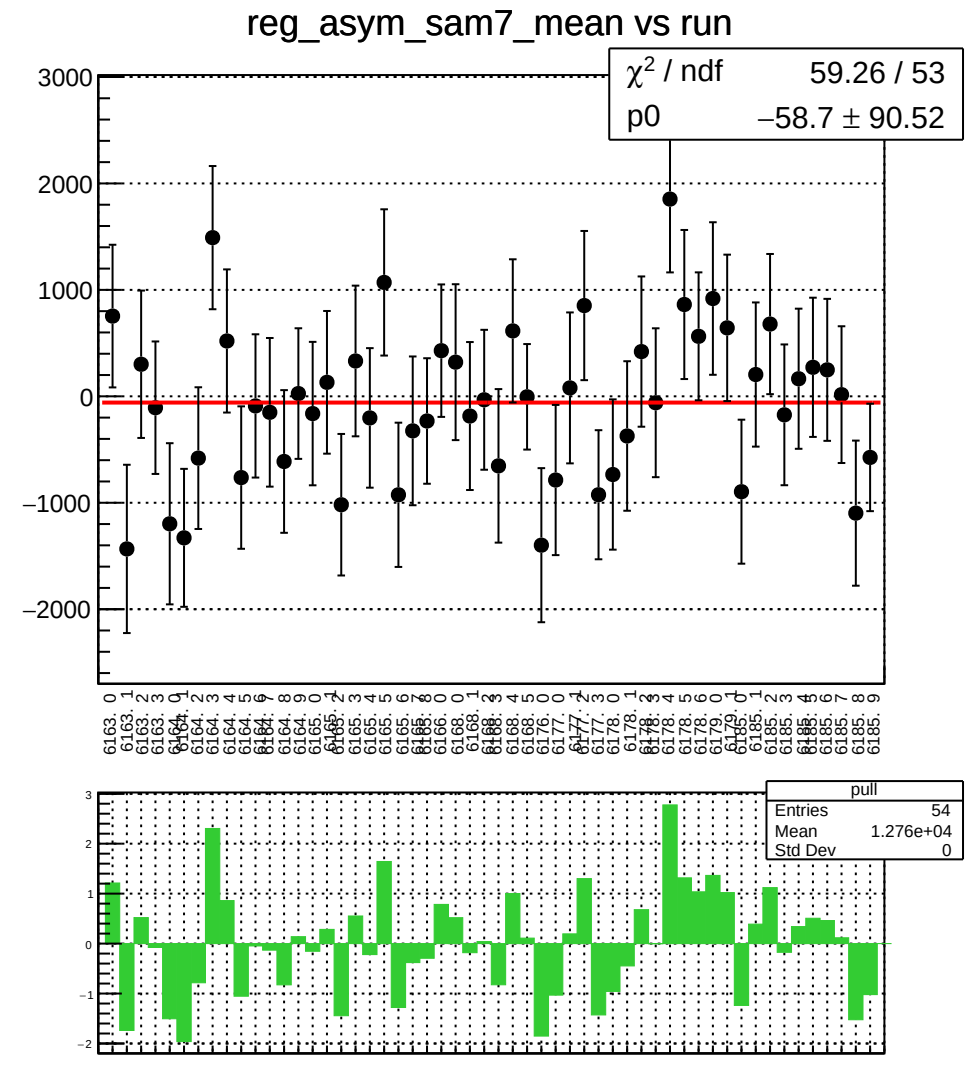

asym_sam6_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 65.45 / 53
p0 −0.05235 ± 0.09887
pull
Entries 54
Mean −15.04
Std Dev 0
pull1D
Entries 54
Mean −0.01341
Std Dev 1.101

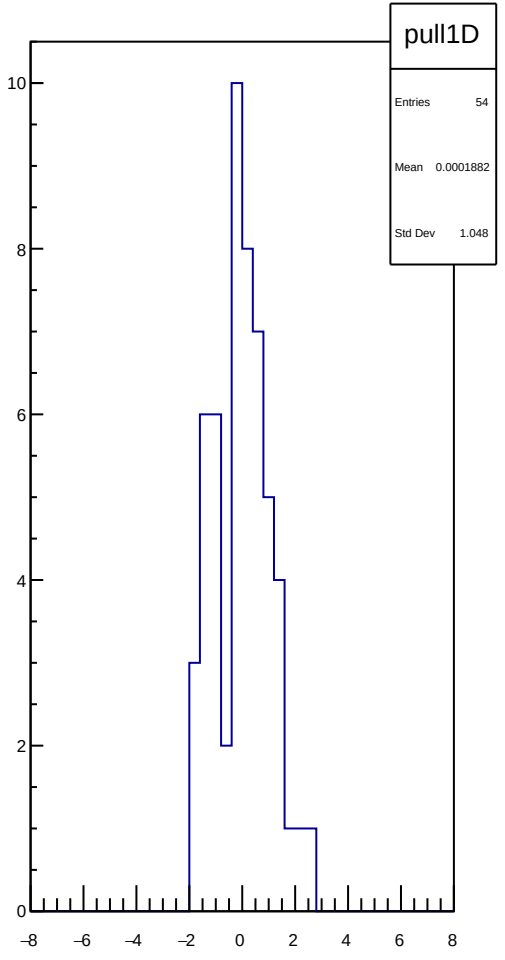

asym_sam6_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.008e+05 / 53
p0 67.5 ± 0.06991
120
100
80
60
40
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

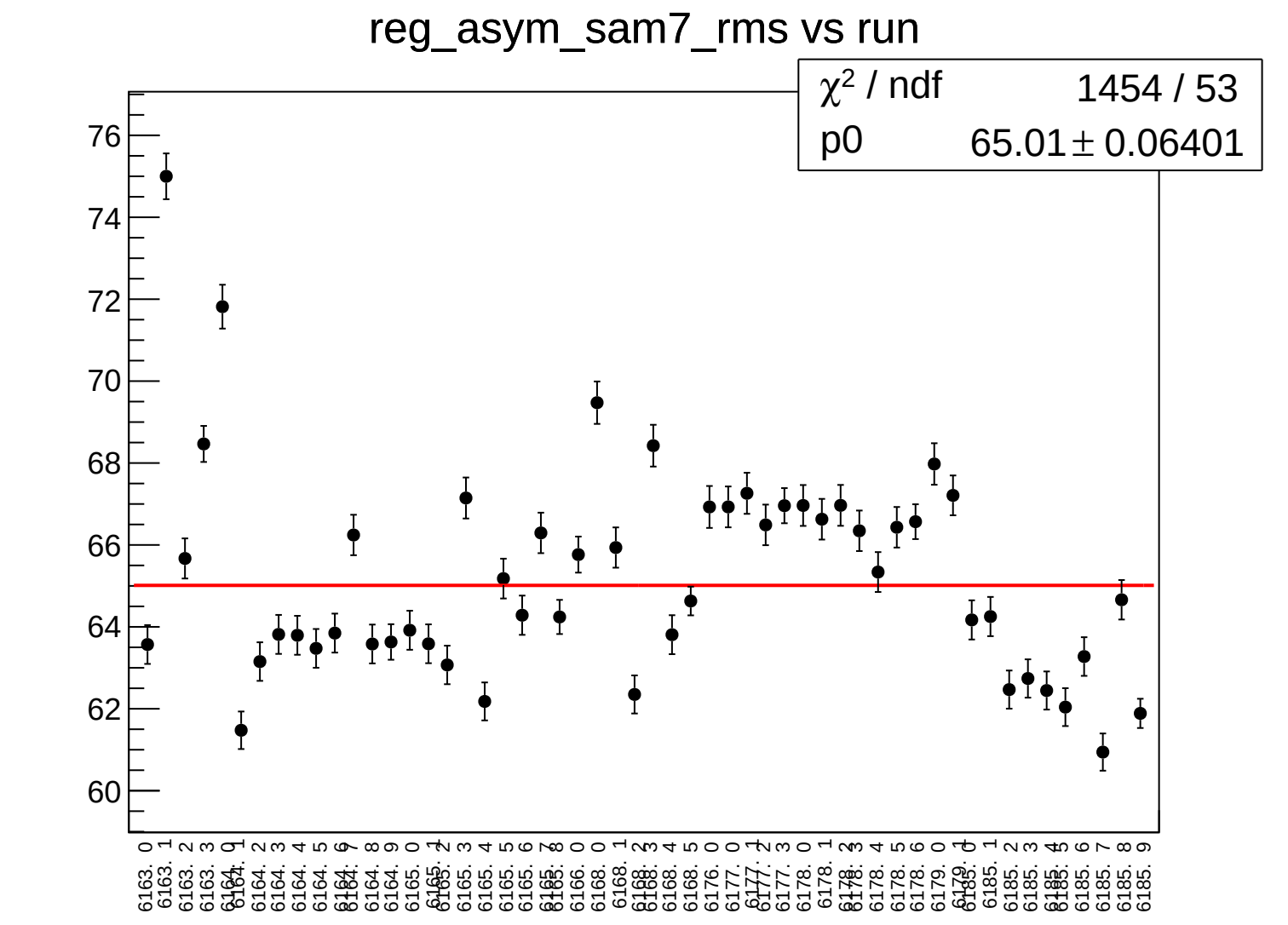

asym_sam6_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 49.8 / 53
p0 1.813e−13 ± 9.231e−14
pull
Entries 54
Mean −22.04
Std Dev 0

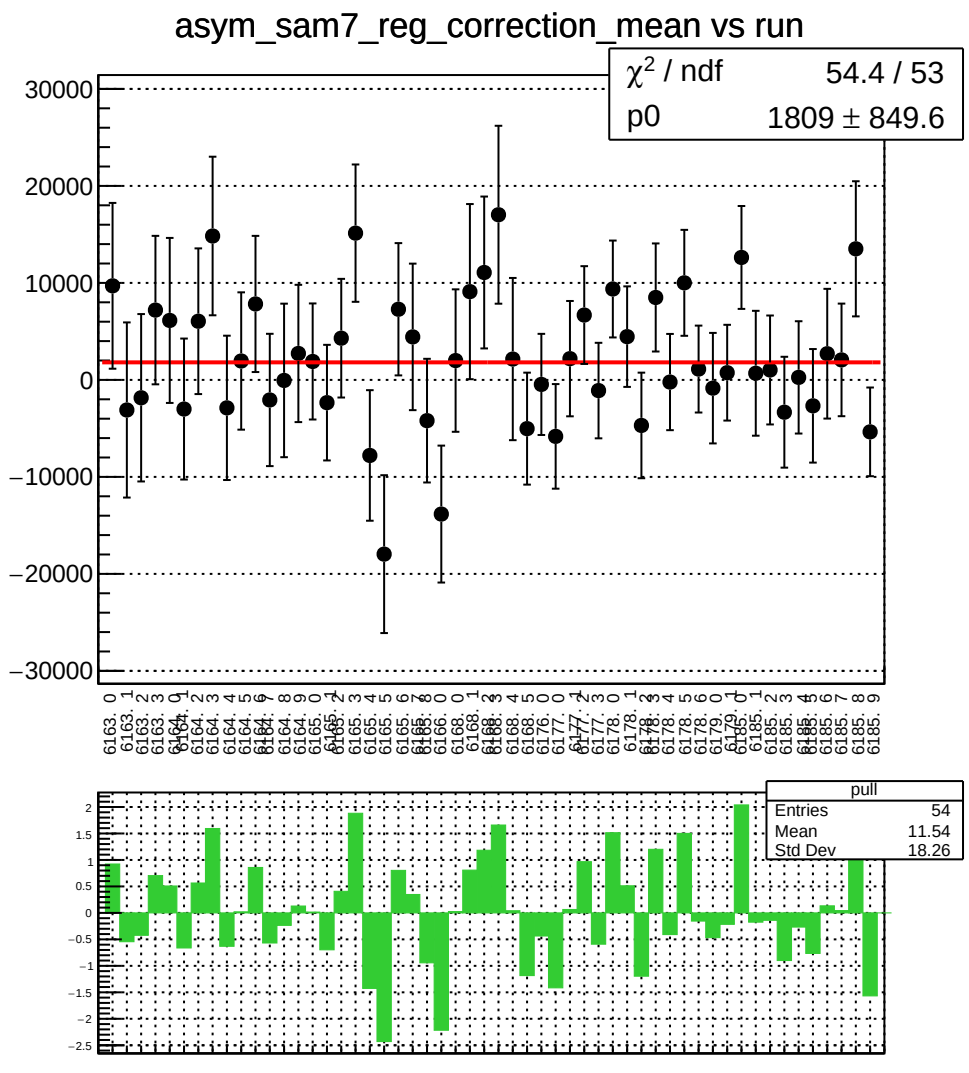

pull1D
Entries 54
Mean −0.1029
Std Dev 0.9548

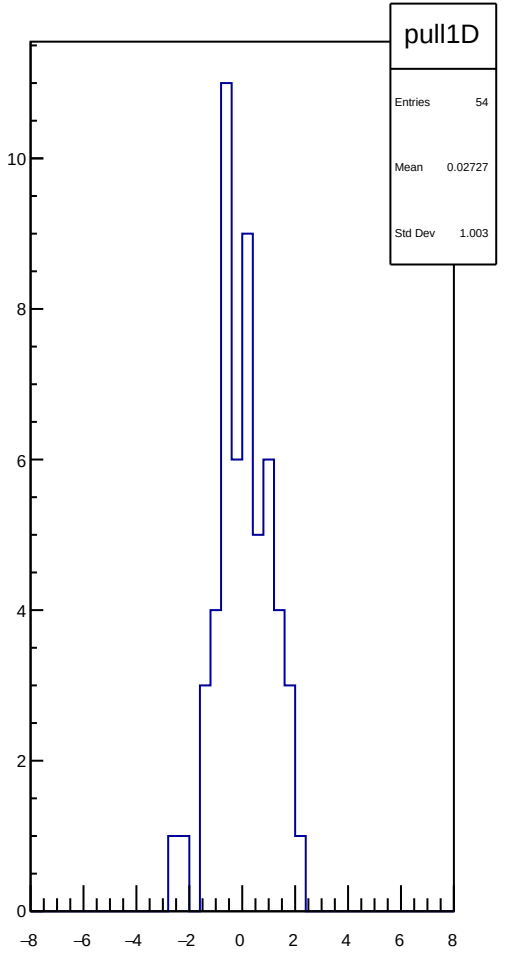

asym_sam6_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.759e+05 / 53
p0 5.291e−11 ± 6.527e−14
0.5
0.4
0.3
0.2
0.1
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

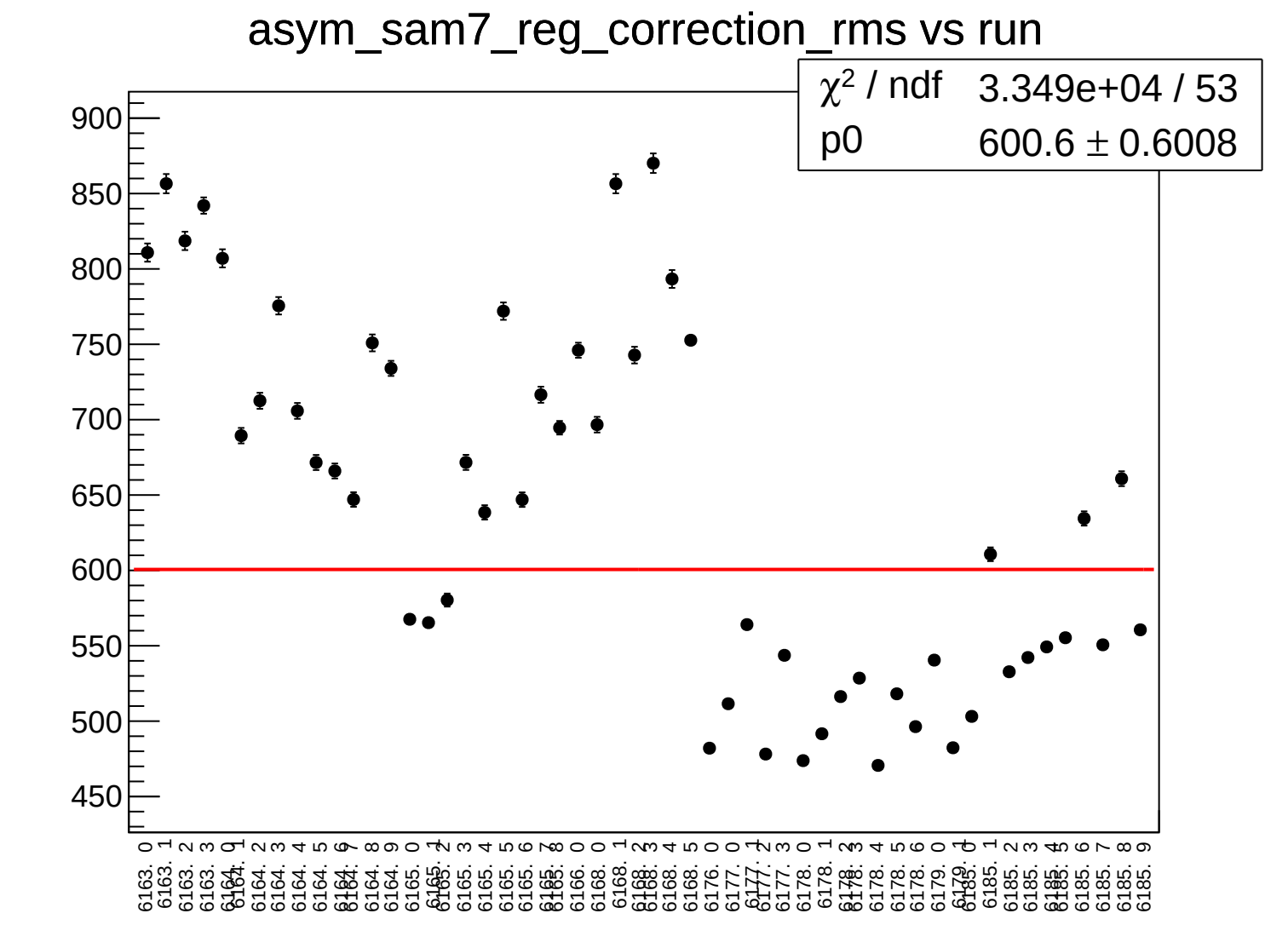

reg_asym_sam7_mean vs run
χ² / ndf 59.26 / 53
p0 −58.7 ± 90.52
pull
Entries 54
Mean 1.276e+04
Std Dev 0

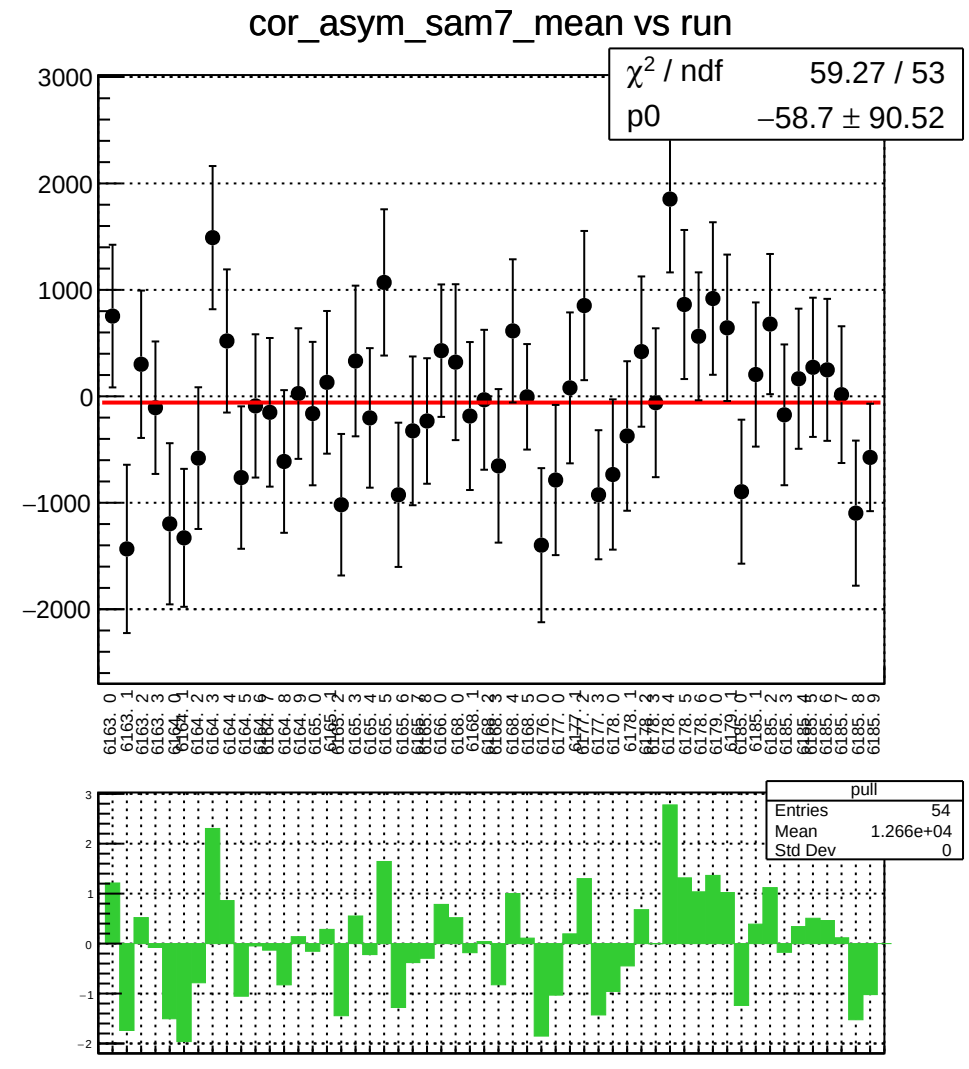

pull1D
Entries 54
Mean 0.0001882
Std Dev 1.048

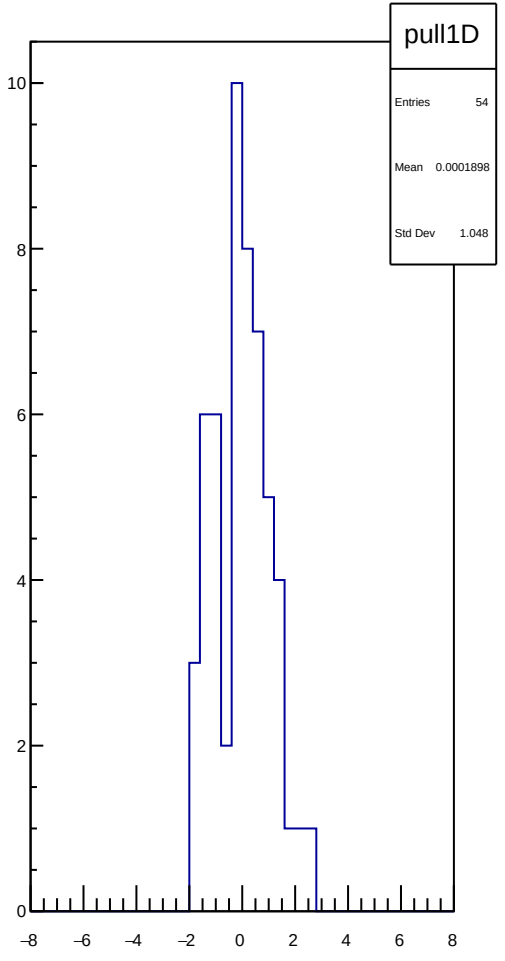

reg_asym_sam7_rms vs run
χ² / ndf 1454 / 53
p0 65.01 ± 0.06401
76
74
72
70
68
66
64
62
60
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

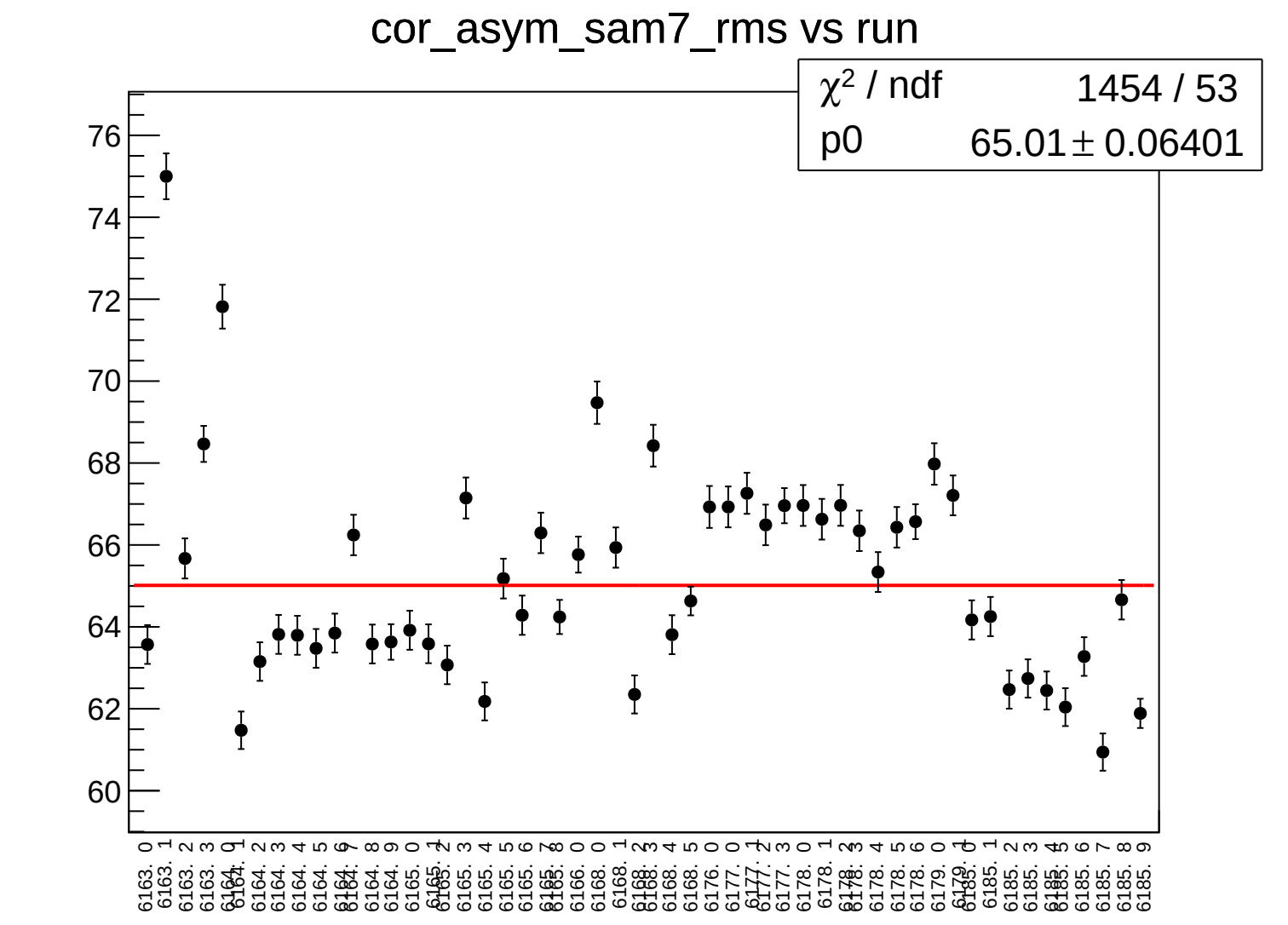

asym_sam7_reg_correction_mean vs run
χ² / ndf 54.4 / 53
p0 1809 ± 849.6
pull
Entries 54
Mean 11.54
Std Dev 18.26

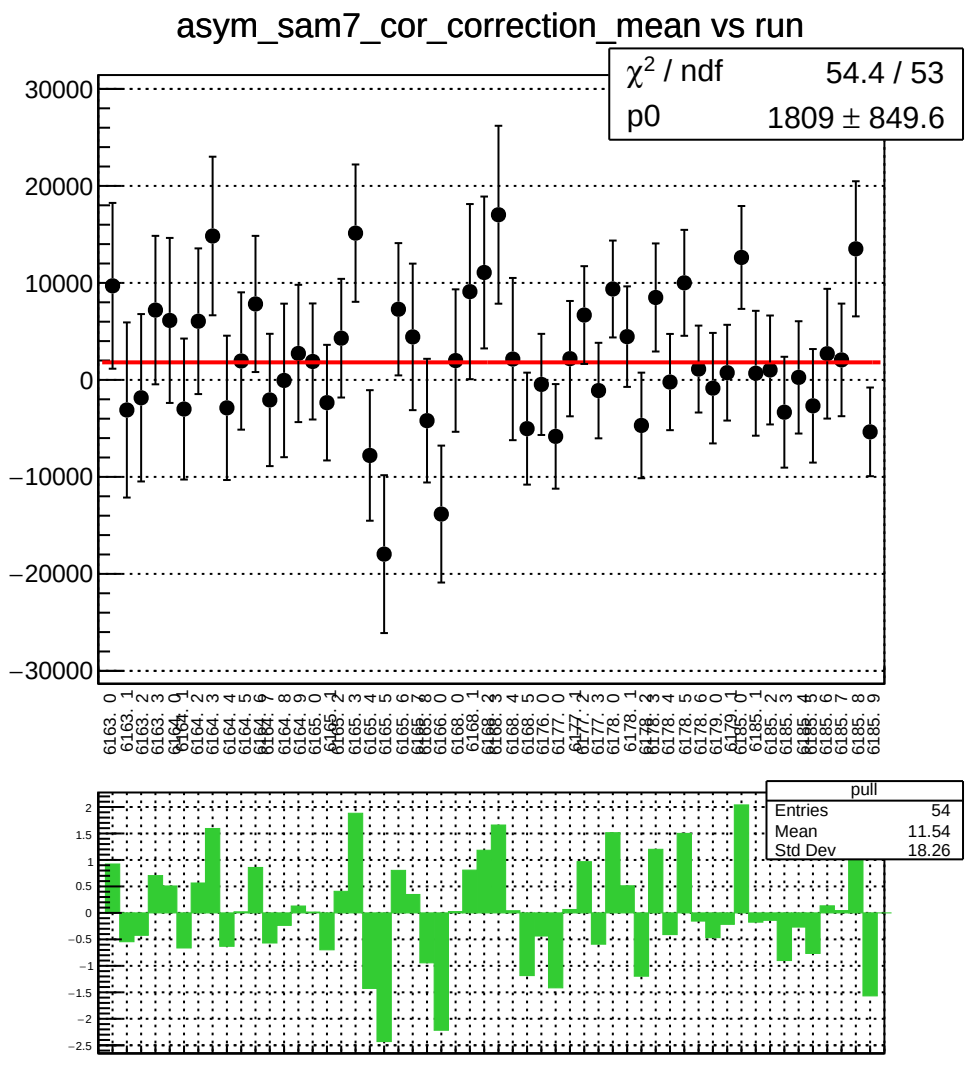

pull1D
Entries 54
Mean 0.02727
Std Dev 1.003

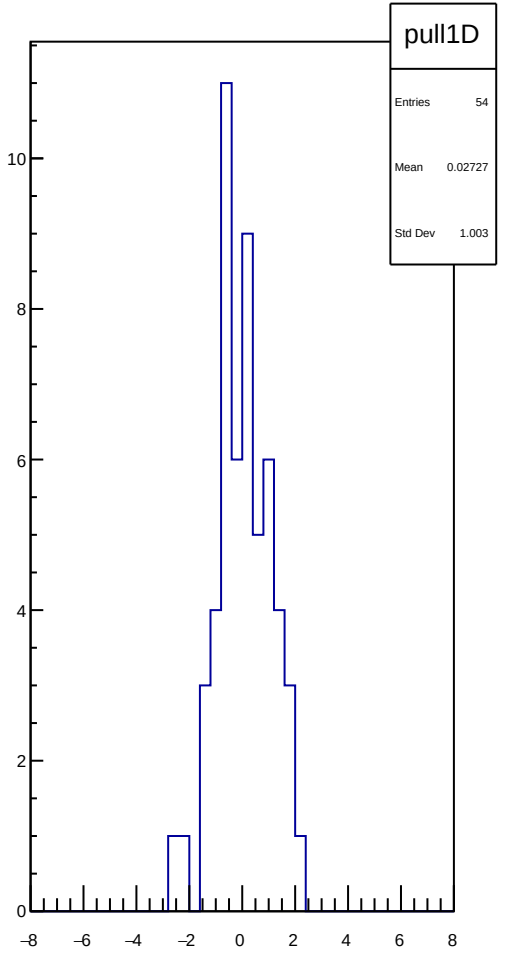

asym_sam7_reg_correction_rms vs run
χ² / ndf 3.349e+04 / 53
p0 600.6 ± 0.6008
900
850
800
750
700
650
600
550
500
450
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

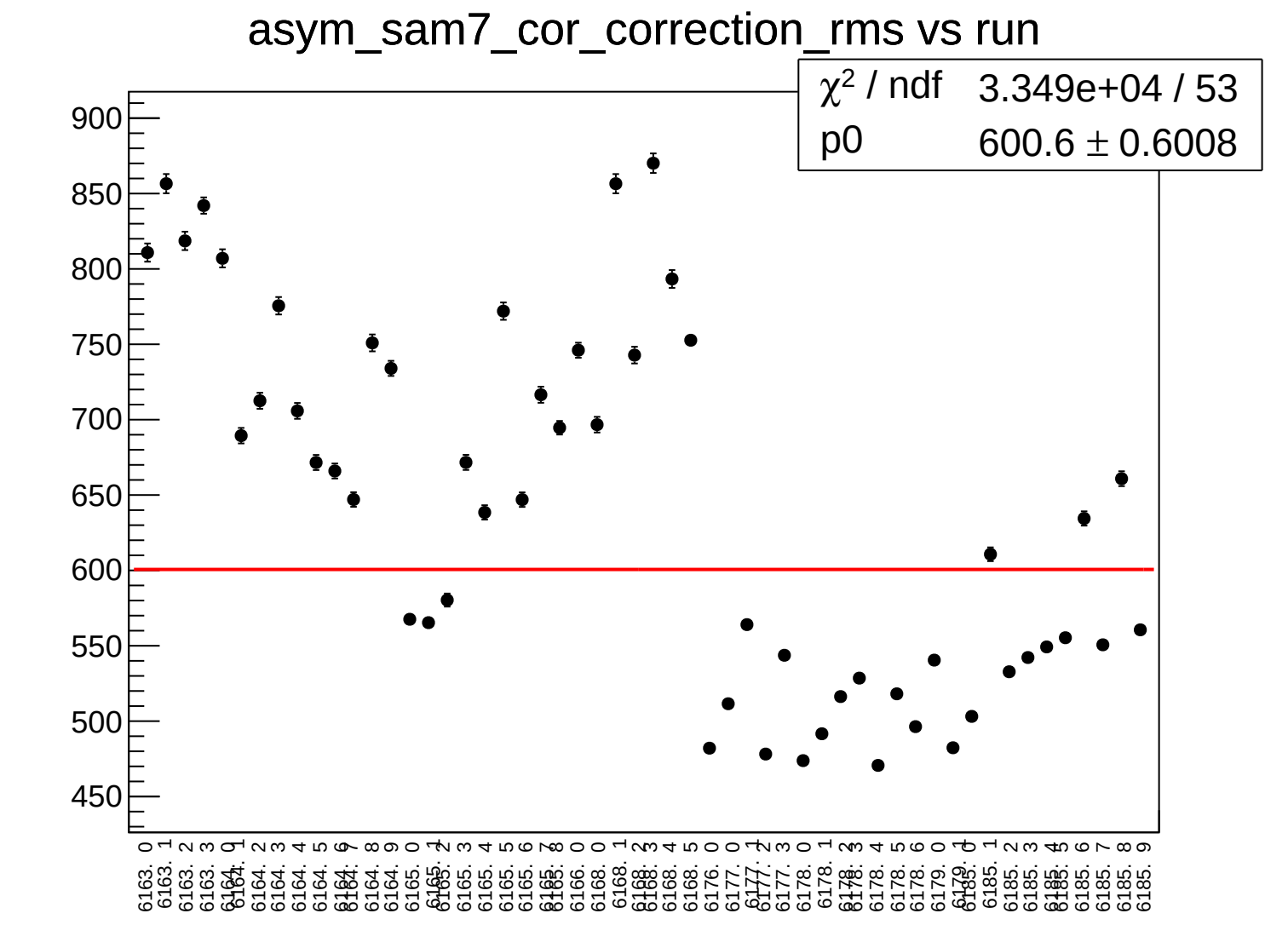

cor_asym_sam7_mean vs run
χ² / ndf 59.27 / 53
p0 −58.7 ± 90.52
pull
Entries 54
Mean 1.266e+04
Std Dev 0

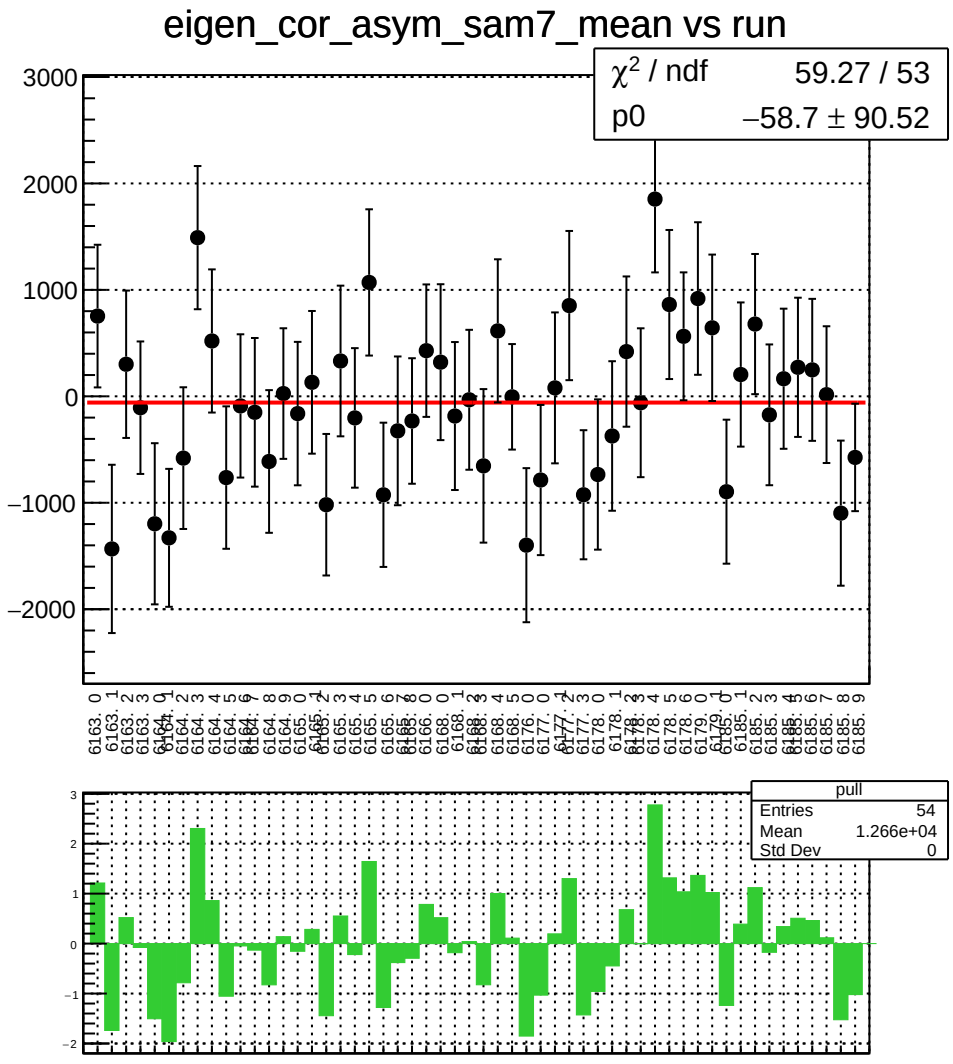

pull1D
Entries 54
Mean 0.0001898
Std Dev 1.048

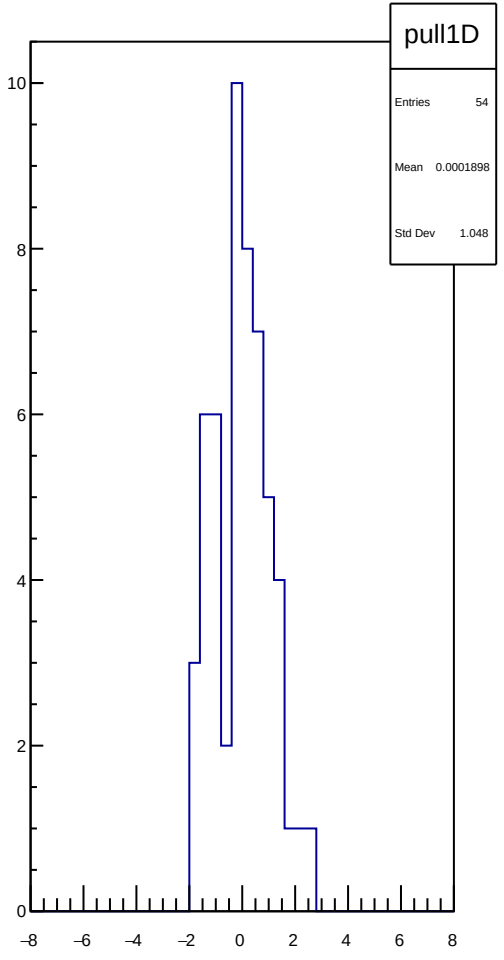

cor_asym_sam7_rms vs run
χ² / ndf 1454 / 53
p0 65.01 ± 0.06401
76
74
72
70
68
66
64
62
60
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

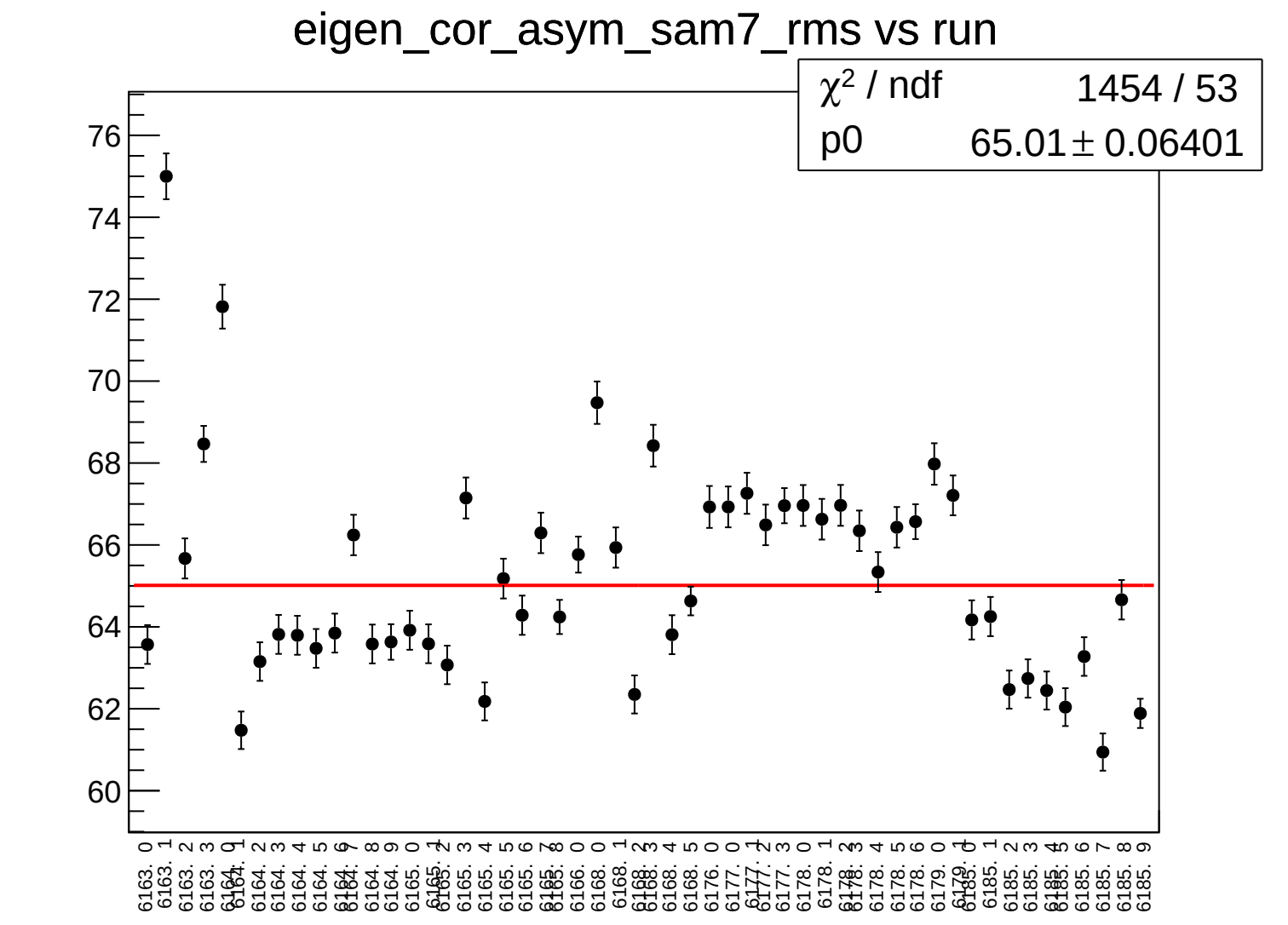

asym_sam7_cor_correction_mean vs run
χ² / ndf 54.4 / 53
p0 1809 ± 849.6
pull
Entries 54
Mean 11.54
Std Dev 18.26

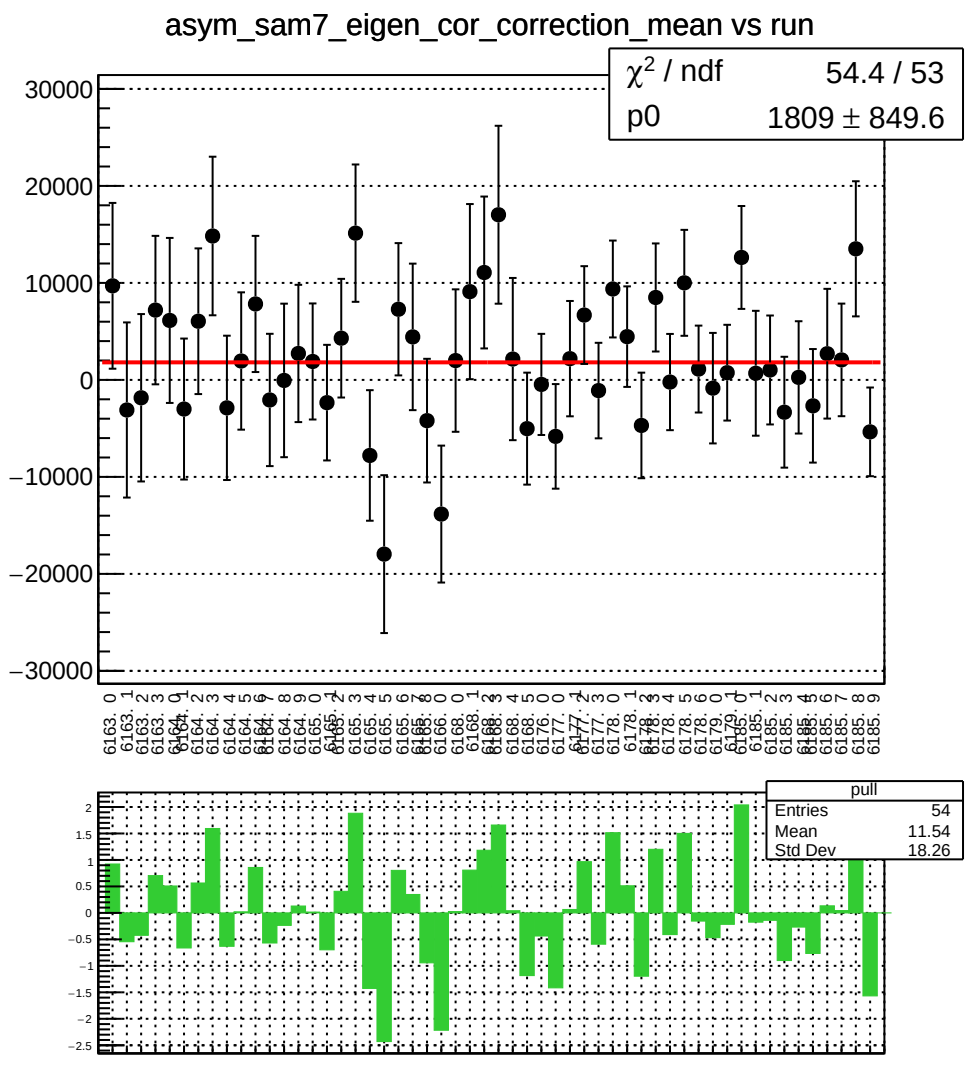

pull1D
Entries 54
Mean 0.02727
Std Dev 1.003

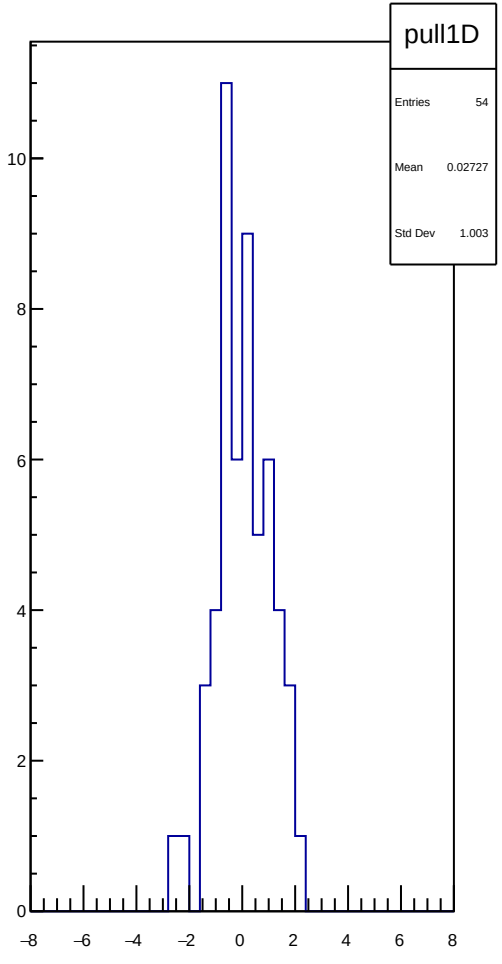

asym_sam7_cor_correction_rms vs run
χ² / ndf 3.349e+04 / 53
p0 600.6 ± 0.6008
900
850
800
750
700
650
600
550
500
450
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

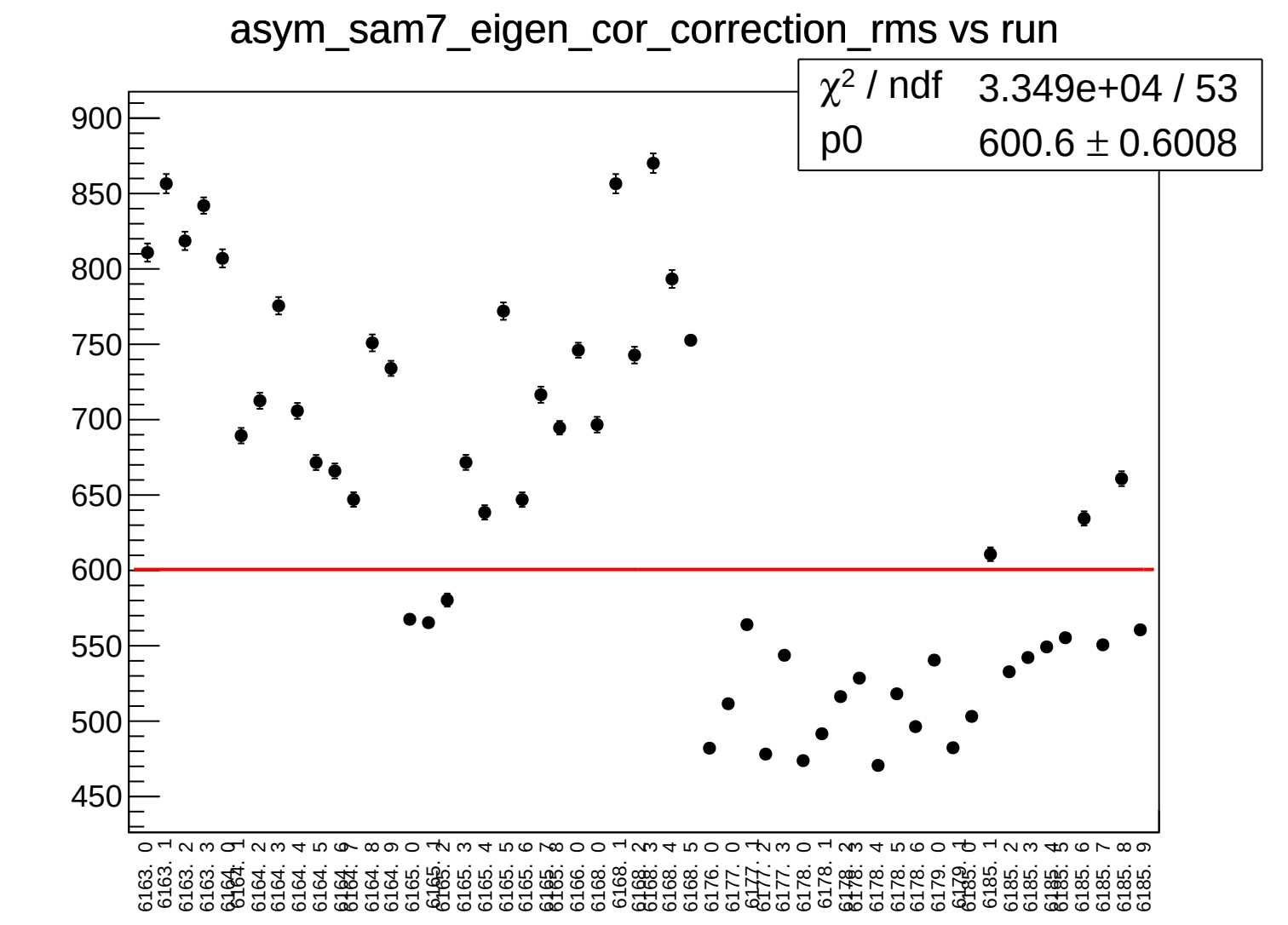

eigen_cor_asym_sam7_mean vs run
χ² / ndf 59.27 / 53
p0 −58.7 ± 90.52
pull
Entries 54
Mean 1.266e+04
Std Dev 0

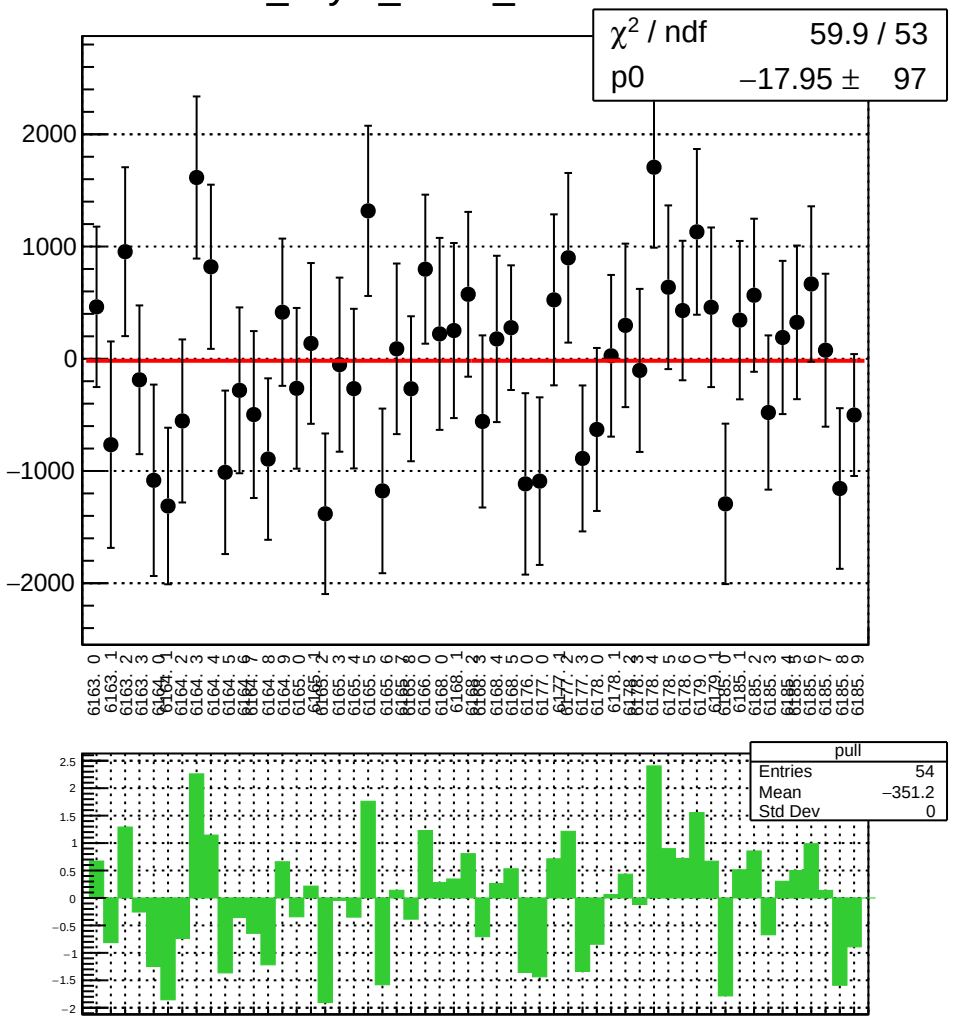

pull1D
Entries 54
Mean 0.0001898
Std Dev 1.048

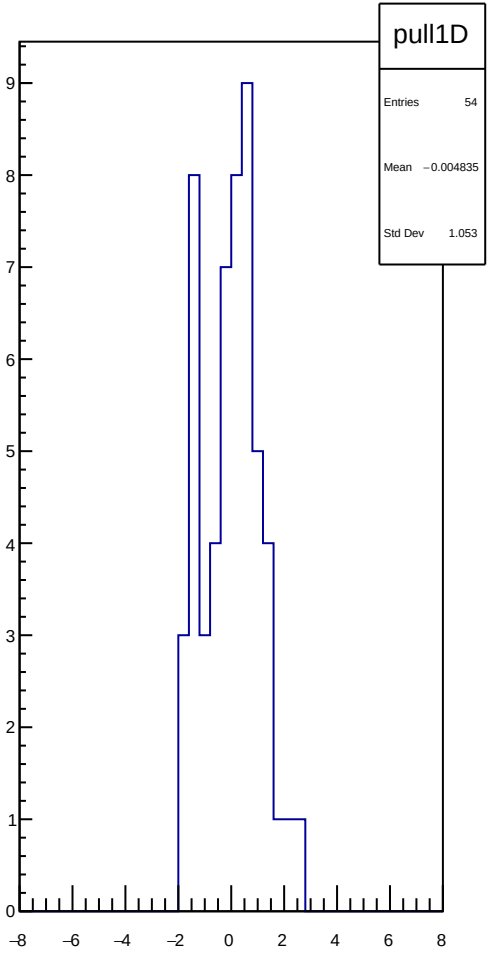

eigen_cor_asym_sam7_rms vs run
χ² / ndf 1454 / 53
p0 65.01 ± 0.06401
76
74
72
70
68
66
64
62
60
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

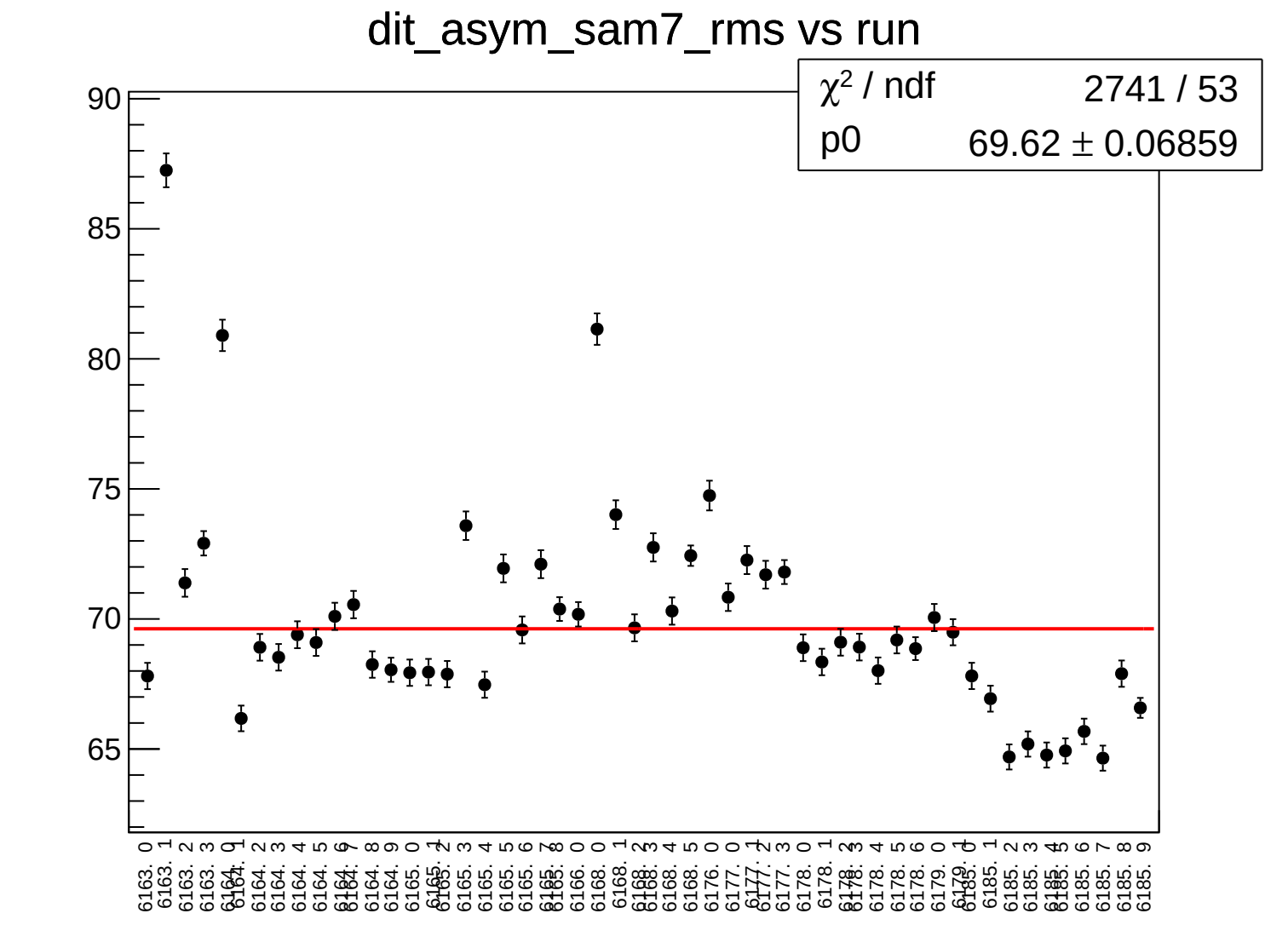

asym_sam7_eigen_cor_correction_mean vs run
χ² / ndf 54.4 / 53
p0 1809 ± 849.6
pull
Entries 54
Mean 11.54
Std Dev 18.26

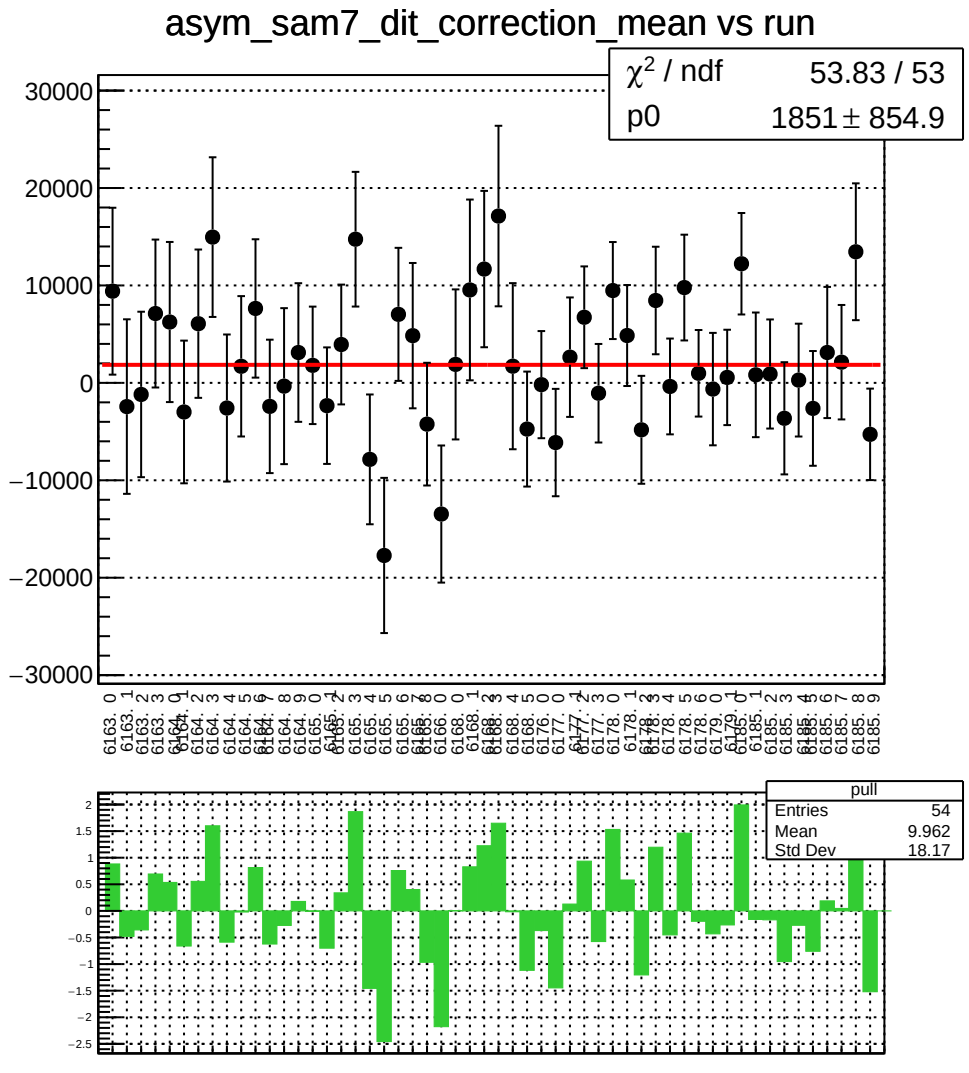

pull1D
Entries 54
Mean 0.02727
Std Dev 1.003

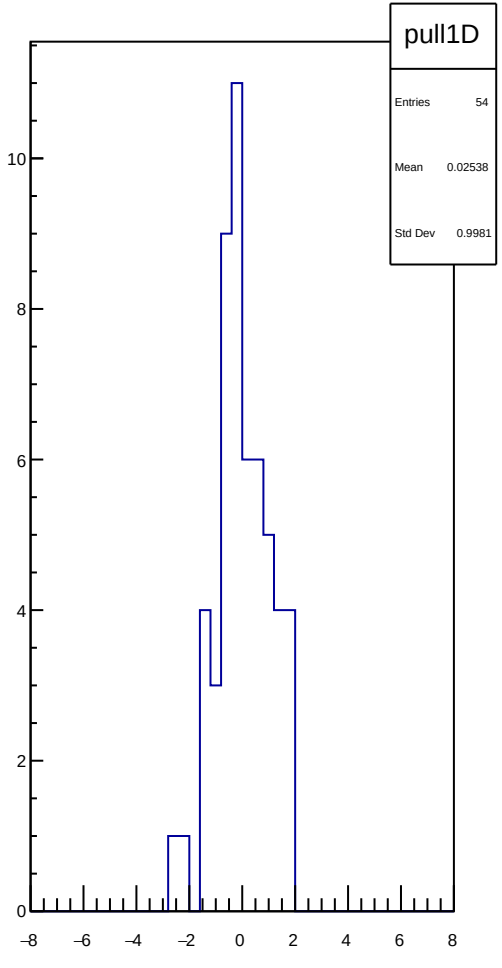

asym_sam7_eigen_cor_correction_rms vs run
χ² / ndf 3.349e+04 / 53
p0 600.6 ± 0.6008
900
850
800
750
700
650
600
550
500
450
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

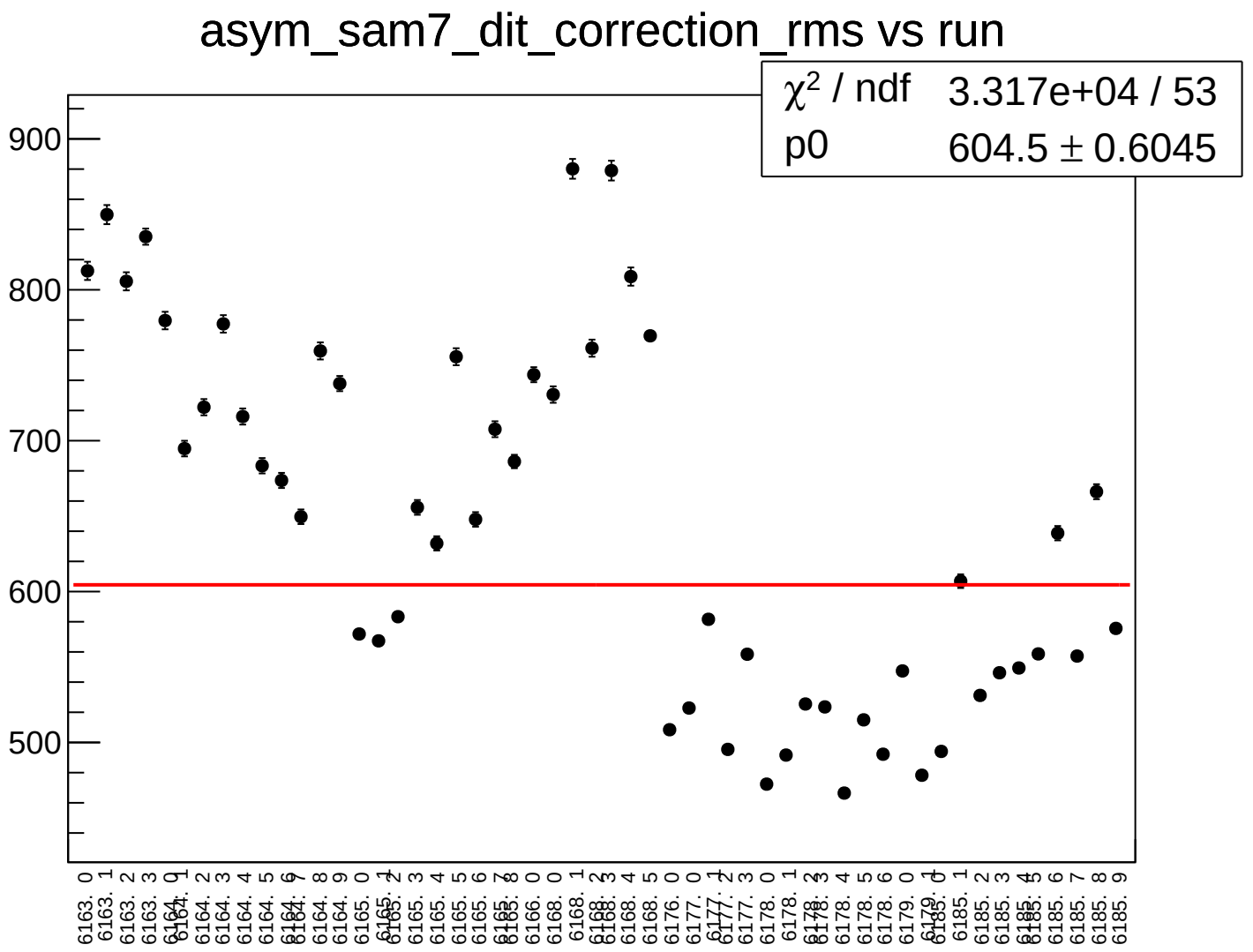

dit_asym_sam7_mean vs run
χ^2 / ndf 59.9 / 53
p0 −17.95 ± 97
2000
1000
0
−1000
−2000
pull
Entries 54
Mean −351.2
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

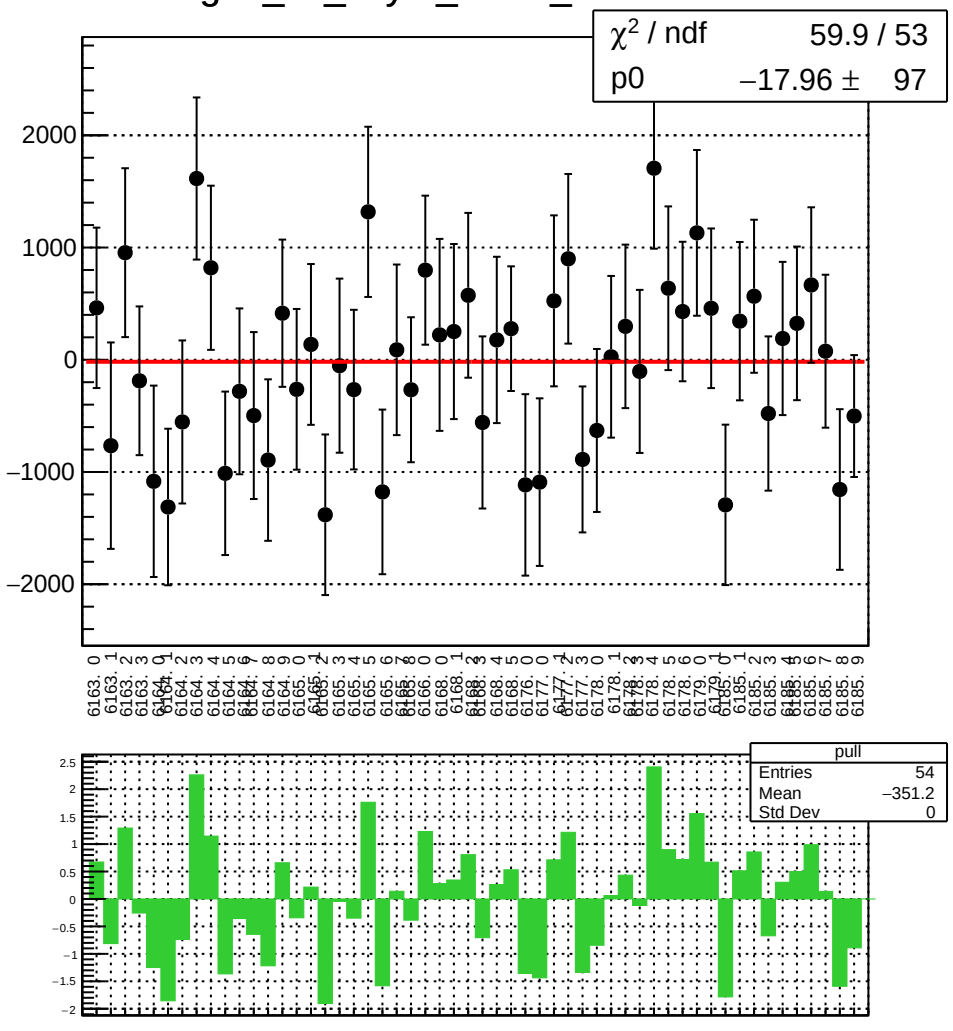

pull1D
Entries 54
Mean −0.004835
Std Dev 1.053
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

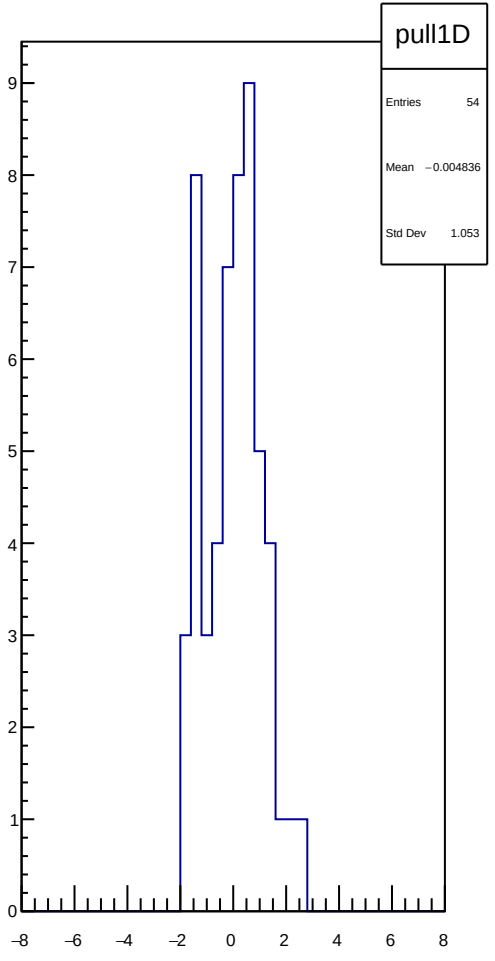

dit_asym_sam7_rms vs run
χ^2 / ndf 2741 / 53
p0 69.62 ± 0.06859
90
85
80
75
70
65
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

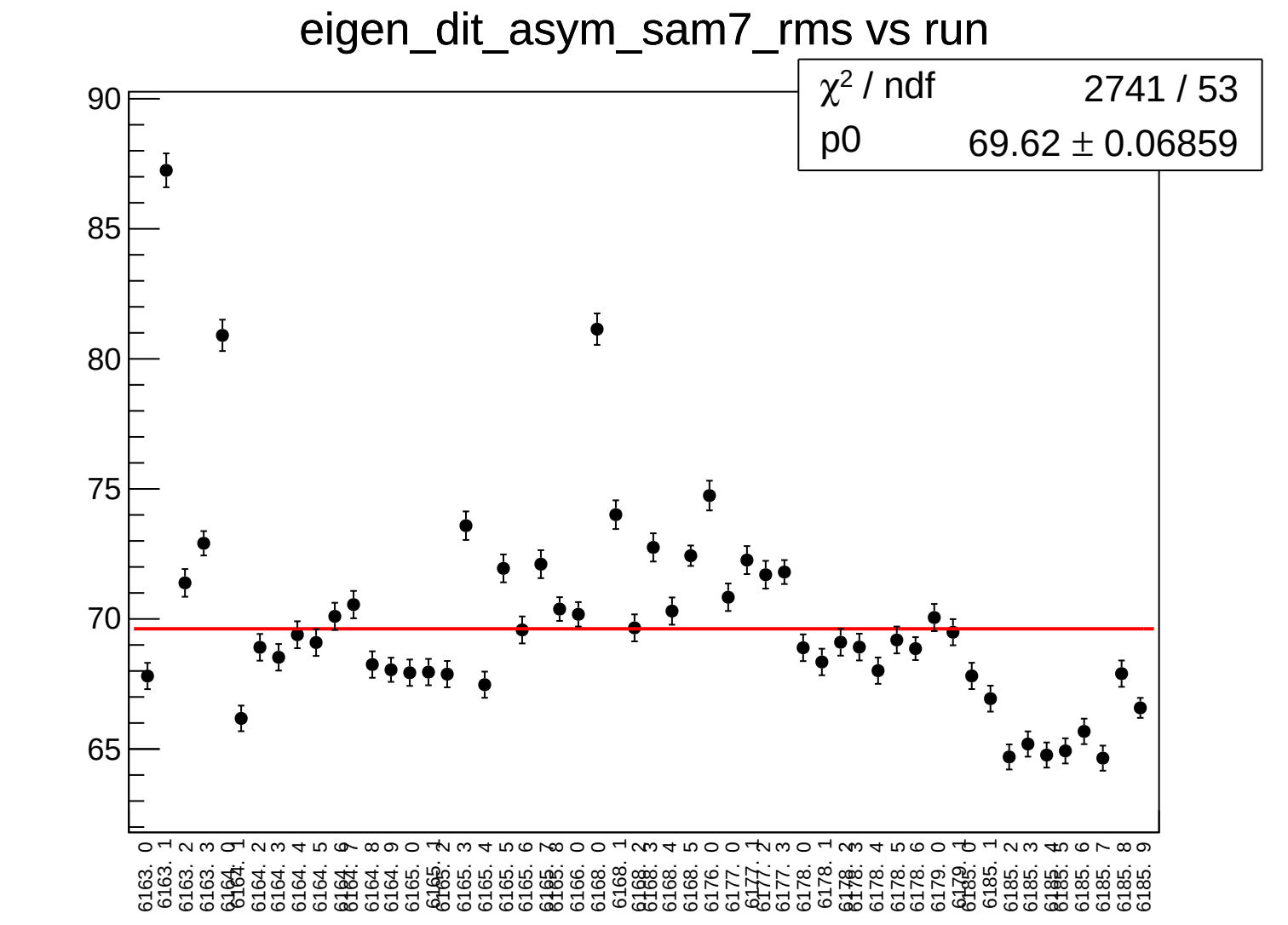

asym_sam7_dit_correction_mean vs run
χ² / ndf 53.83 / 53
p0 1851 ± 854.9
pull
Entries 54
Mean 9.962
Std Dev 18.17

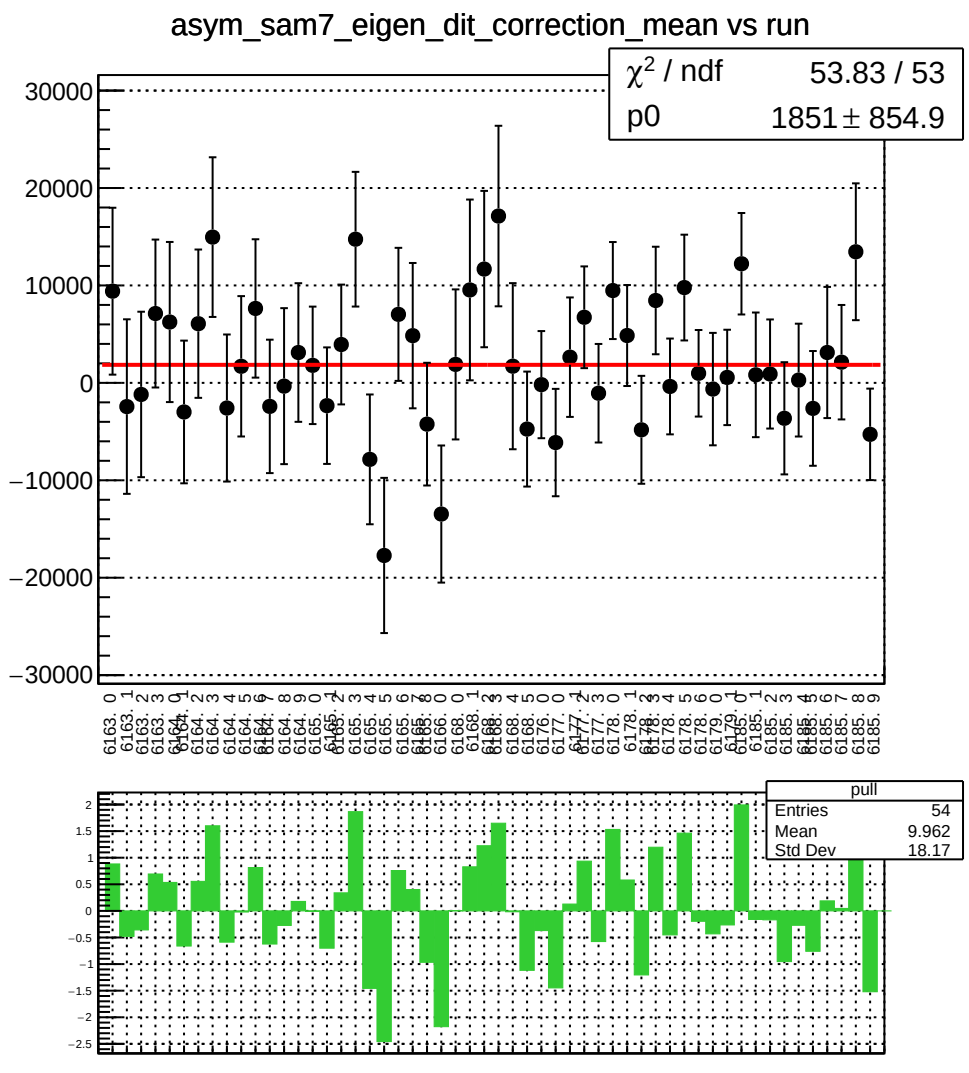

pull1D
Entries 54
Mean 0.02538
Std Dev 0.9981

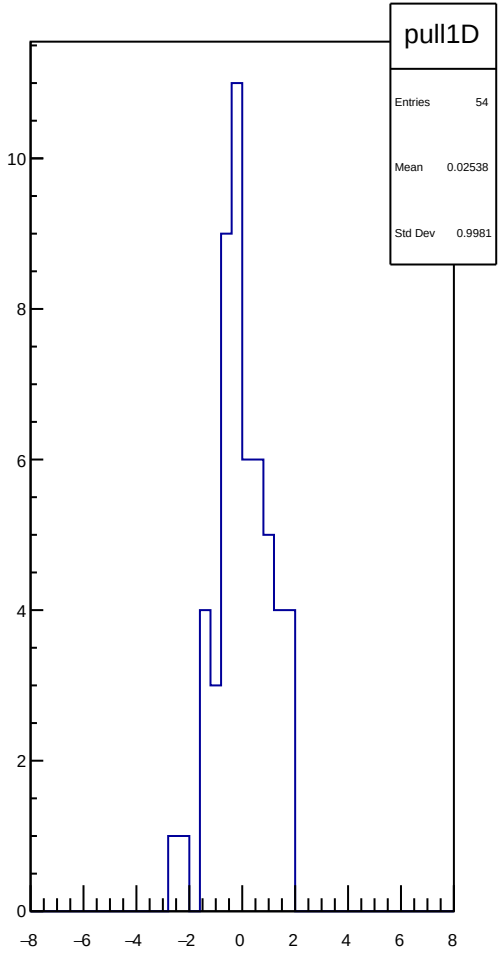

asym_sam7_dit_correction_rms vs run
χ² / ndf 3.317e+04 / 53
p0 604.5 ± 0.6045
900
800
700
600
500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

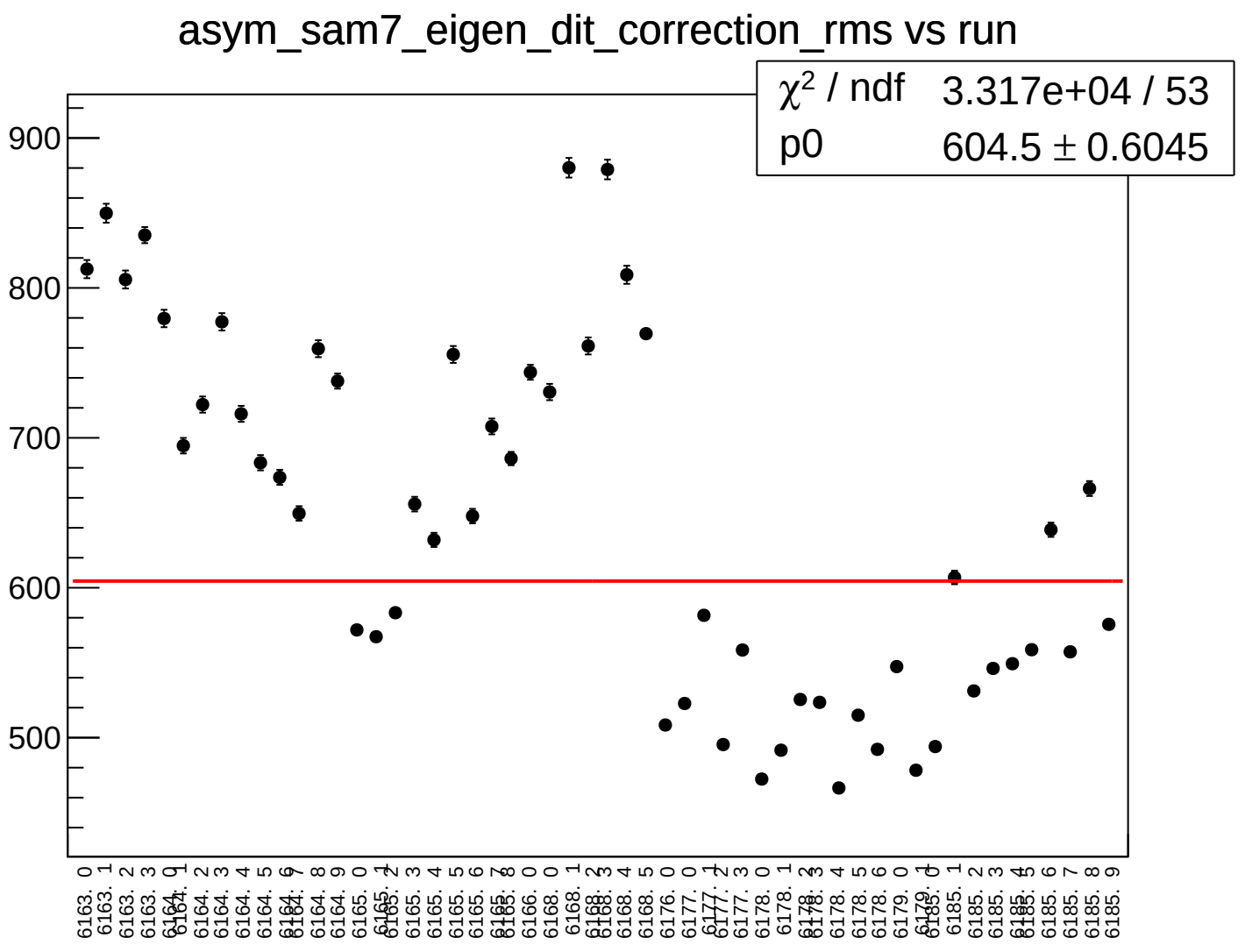

eigen_dit_asym_sam7_mean vs run
χ² / ndf 59.9 / 53
p0 −17.96 ± 97
2000
1000
0
−1000
−2000
pull
Entries 54
Mean −351.2
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

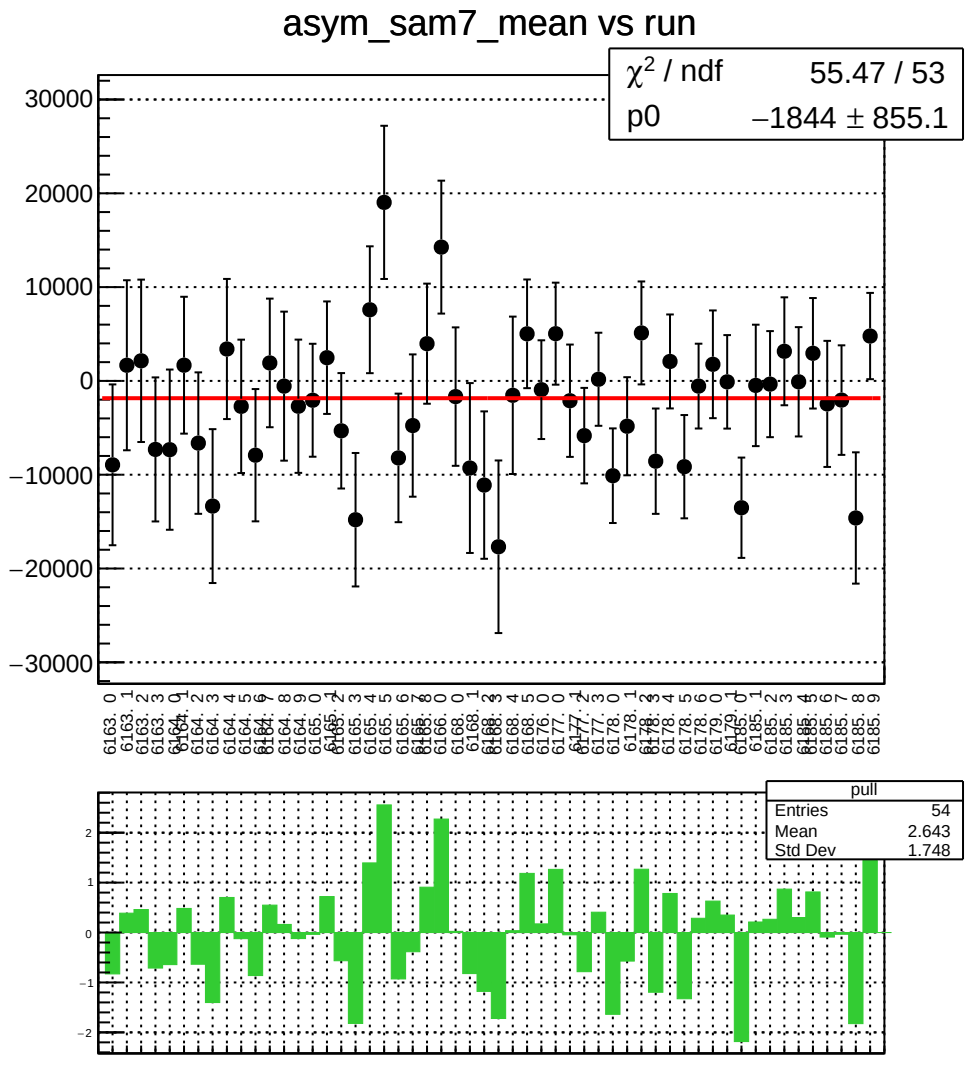

pull1D
Entries 54
Mean −0.004836
Std Dev 1.053
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

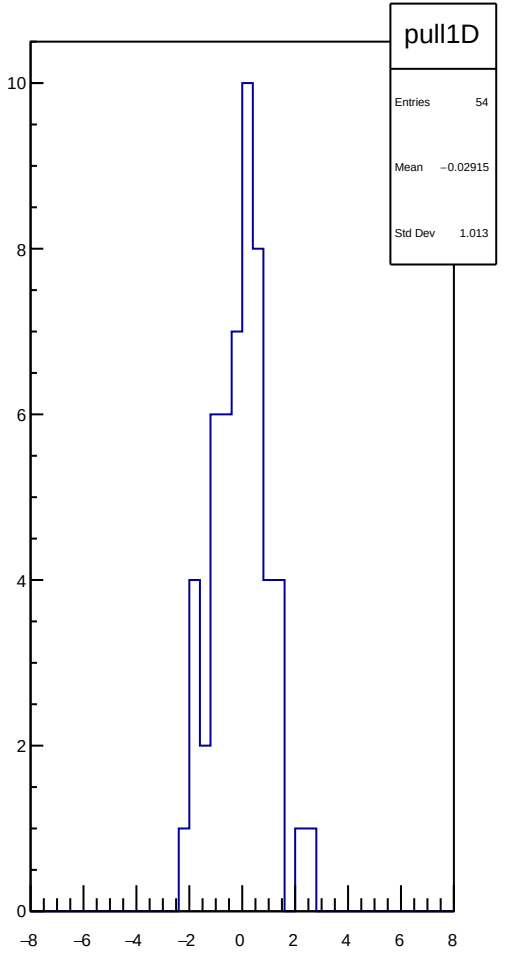

eigen_dit_asym_sam7_rms vs run
χ^2 / ndf 2741 / 53
p0 69.62 ± 0.06859
90
85
80
75
70
65
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

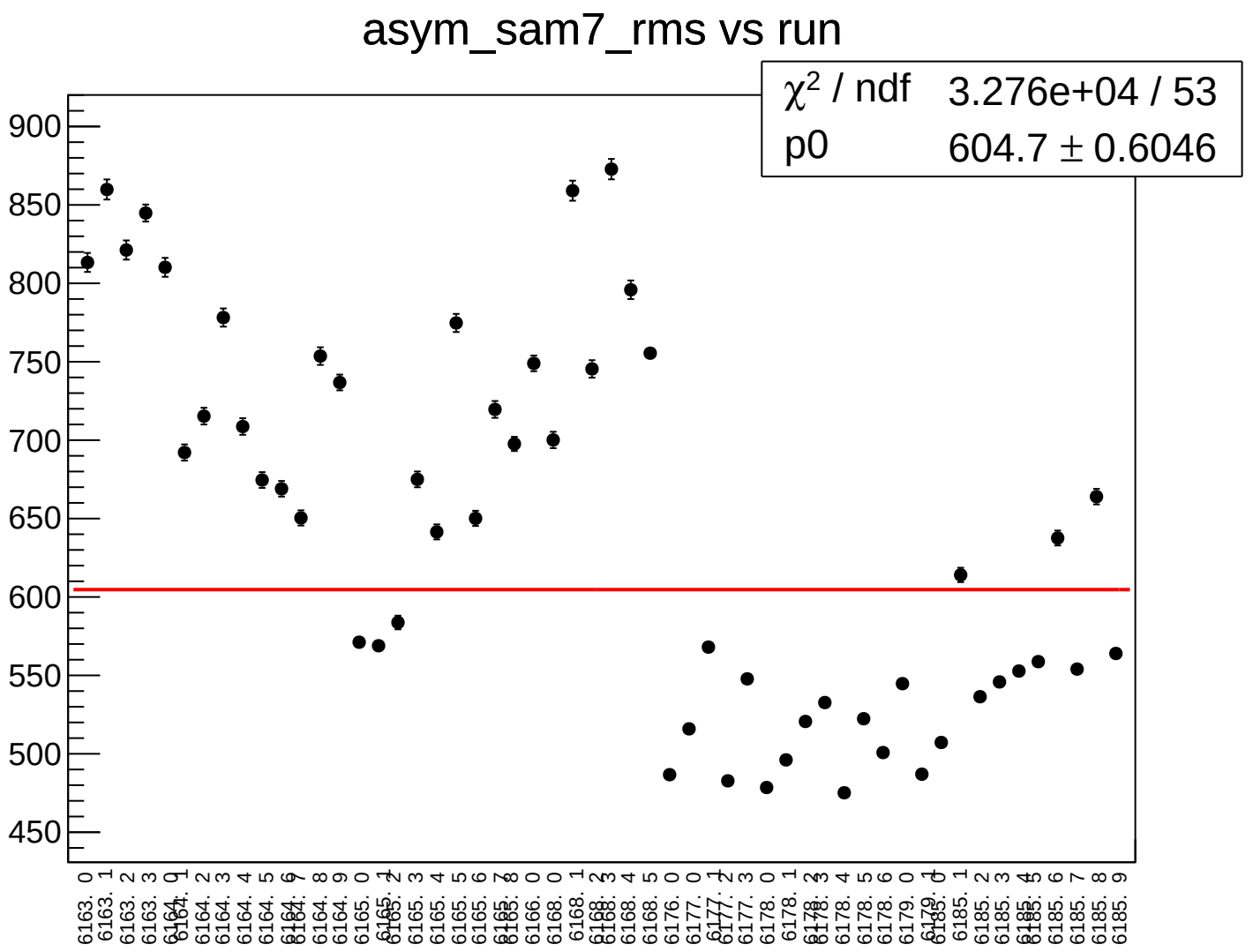

asym_sam7_eigen_dit_correction_mean vs run
χ² / ndf 53.83 / 53
p0 1851 ± 854.9
pull
Entries 54
Mean 9.962
Std Dev 18.17

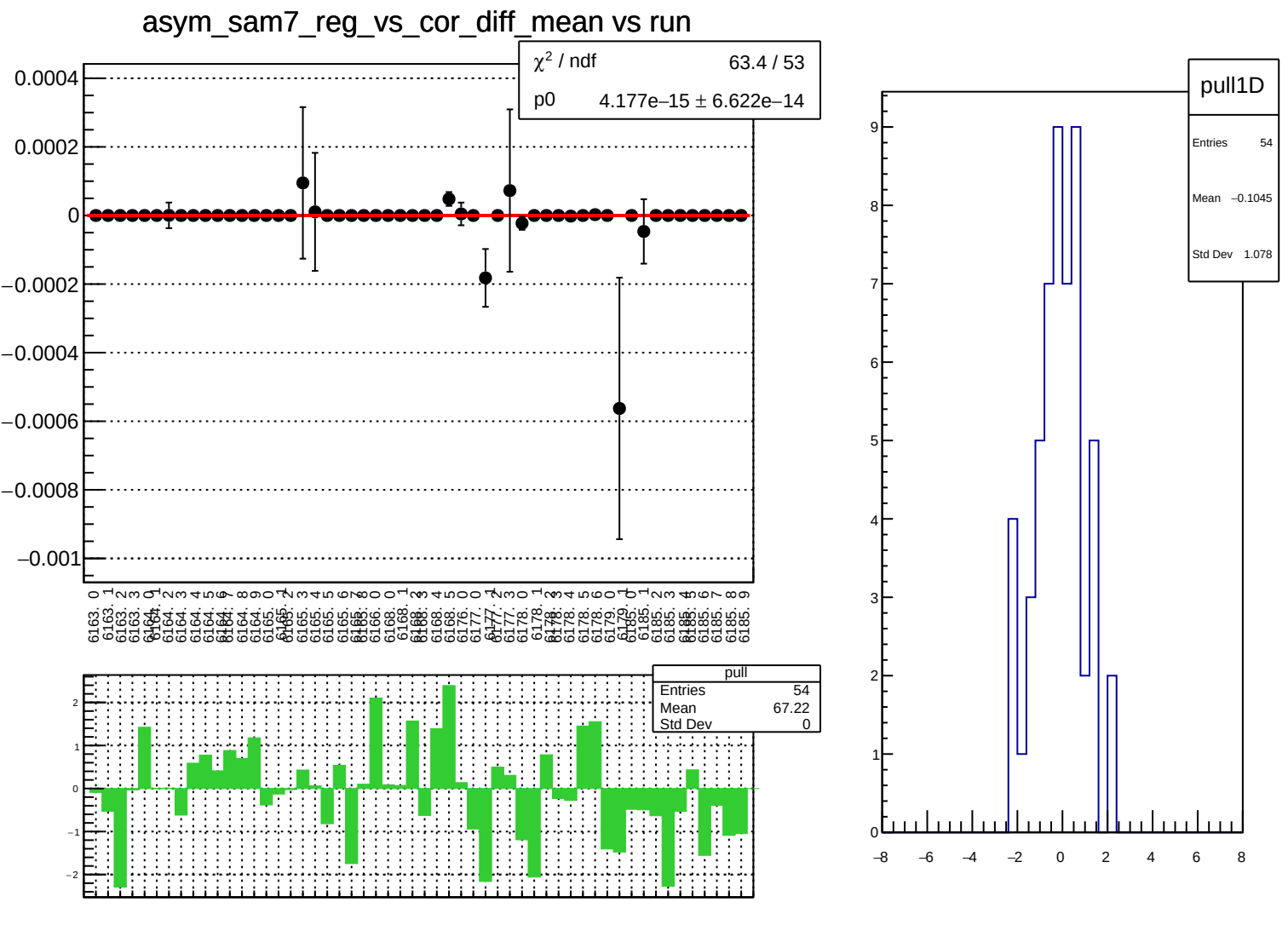

pull1D
Entries 54
Mean 0.02538
Std Dev 0.9981

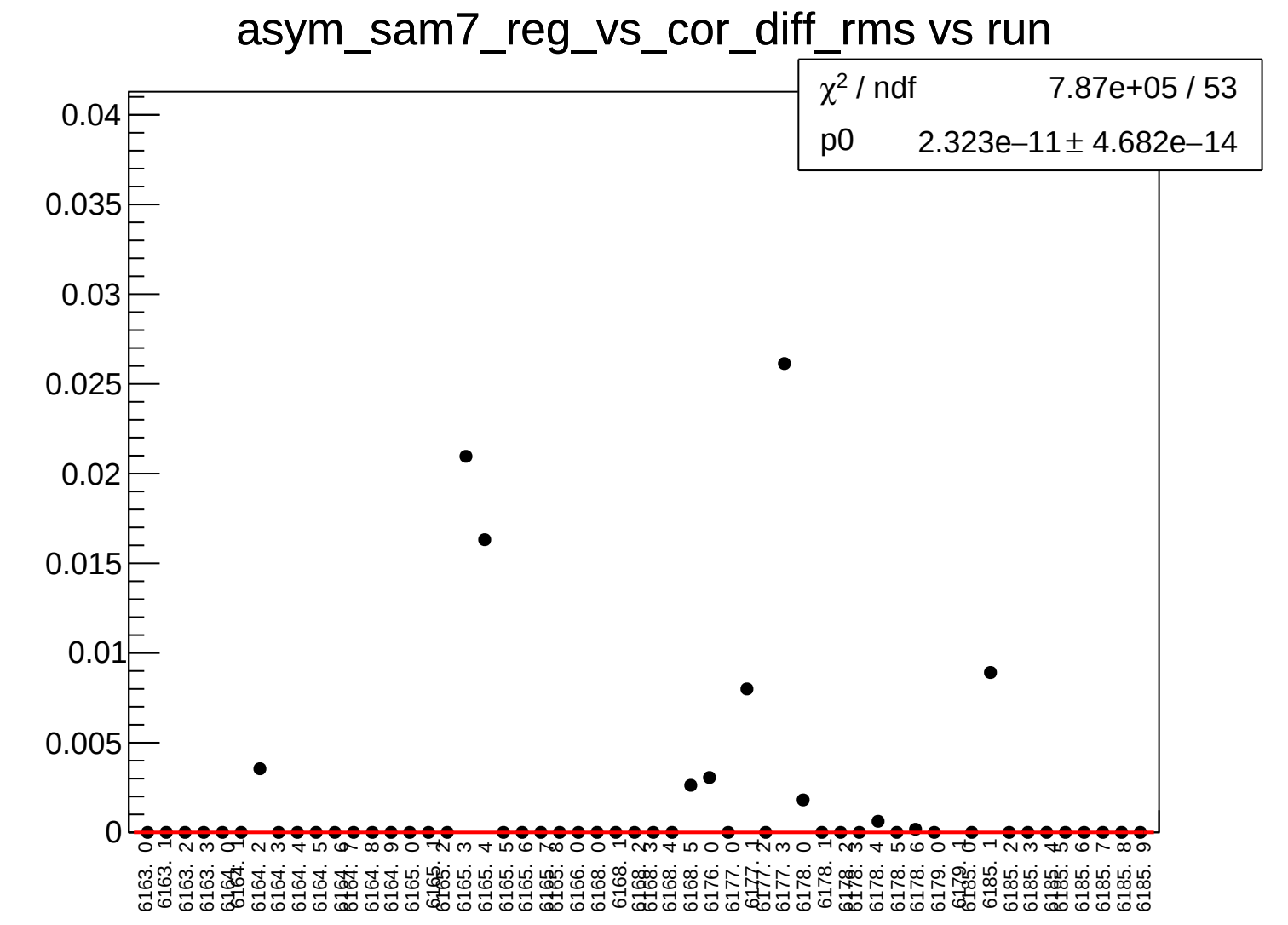

asym_sam7_eigen_dit_correction_rms vs run
χ² / ndf 3.317e+04 / 53
p0 604.5 ± 0.6045
900
800
700
600
500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

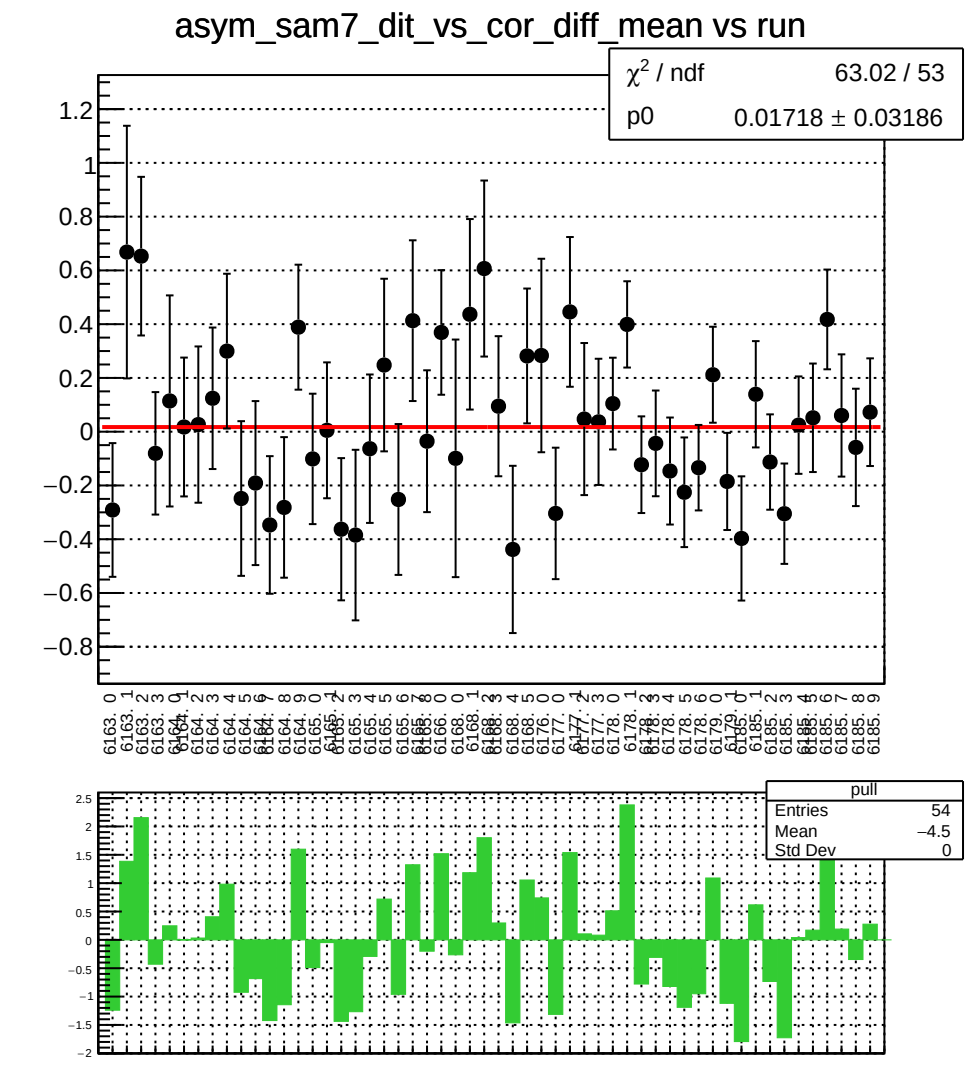

asym_sam7_mean vs run
χ² / ndf 55.47 / 53
p0 −1844 ± 855.1
pull
Entries 54
Mean 2.643
Std Dev 1.748

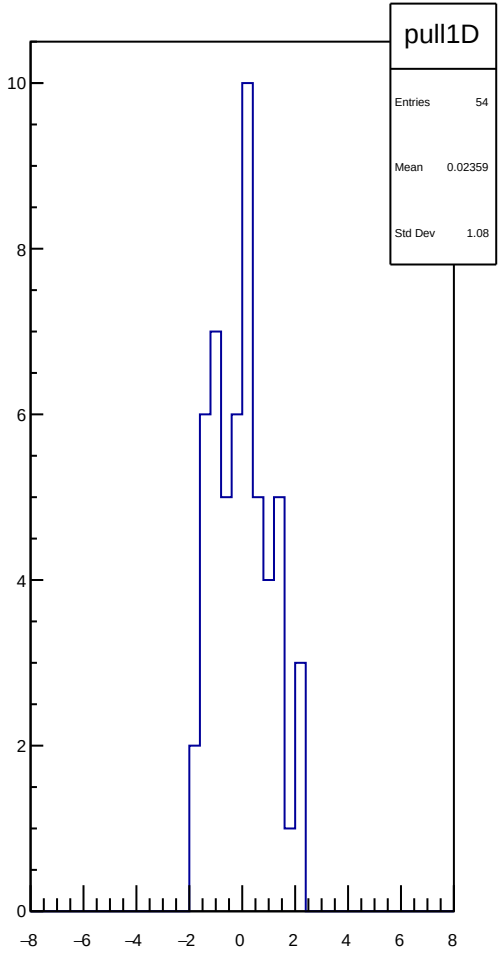

pull1D
Entries 54
Mean −0.02915
Std Dev 1.013

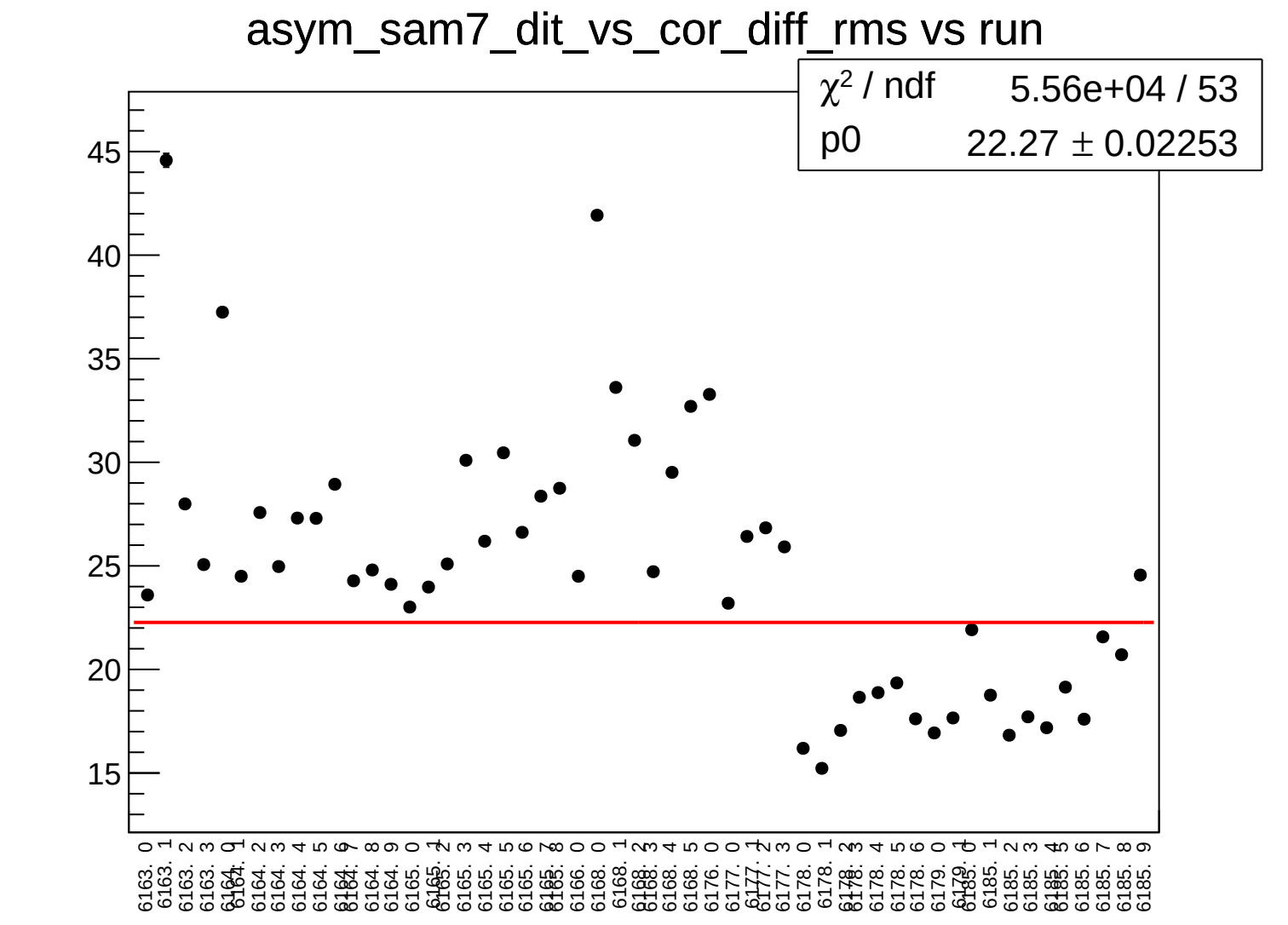

asym_sam7_rms vs run
χ² / ndf 3.276e+04 / 53
p0 604.7 ± 0.6046
900
850
800
750
700
650
600
550
500
450
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


asym_sam7_reg_vs_cor_diff_mean vs run
χ² / ndf 63.4 / 53
p0 4.177e−15 ± 6.622e−14
0.0004
0.0002
0
−0.0002
−0.0004
−0.0006
−0.0008
−0.001
pull
Entries 54
Mean 67.22
Std Dev 0
pull1D
Entries 54
Mean −0.1045
Std Dev 1.078


asym_sam7_reg_vs_cor_diff_rms vs run
χ² / ndf 7.87e+05 / 53
p0 2.323e−11 ± 4.682e−14
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 3
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


asym_sam7_dit_vs_cor_diff_mean vs run
χ² / ndf 63.02 / 53
p0 0.01718 ± 0.03186
pull
Entries 54
Mean −4.5
Std Dev 0


pull1D
Entries 54
Mean 0.02359
Std Dev 1.08


asym_sam7_dit_vs_cor_diff_rms vs run
χ² / ndf 5.56e+04 / 53
p0 22.27 ± 0.02253
45
40
35
30
25
20
15
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
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6179. 0
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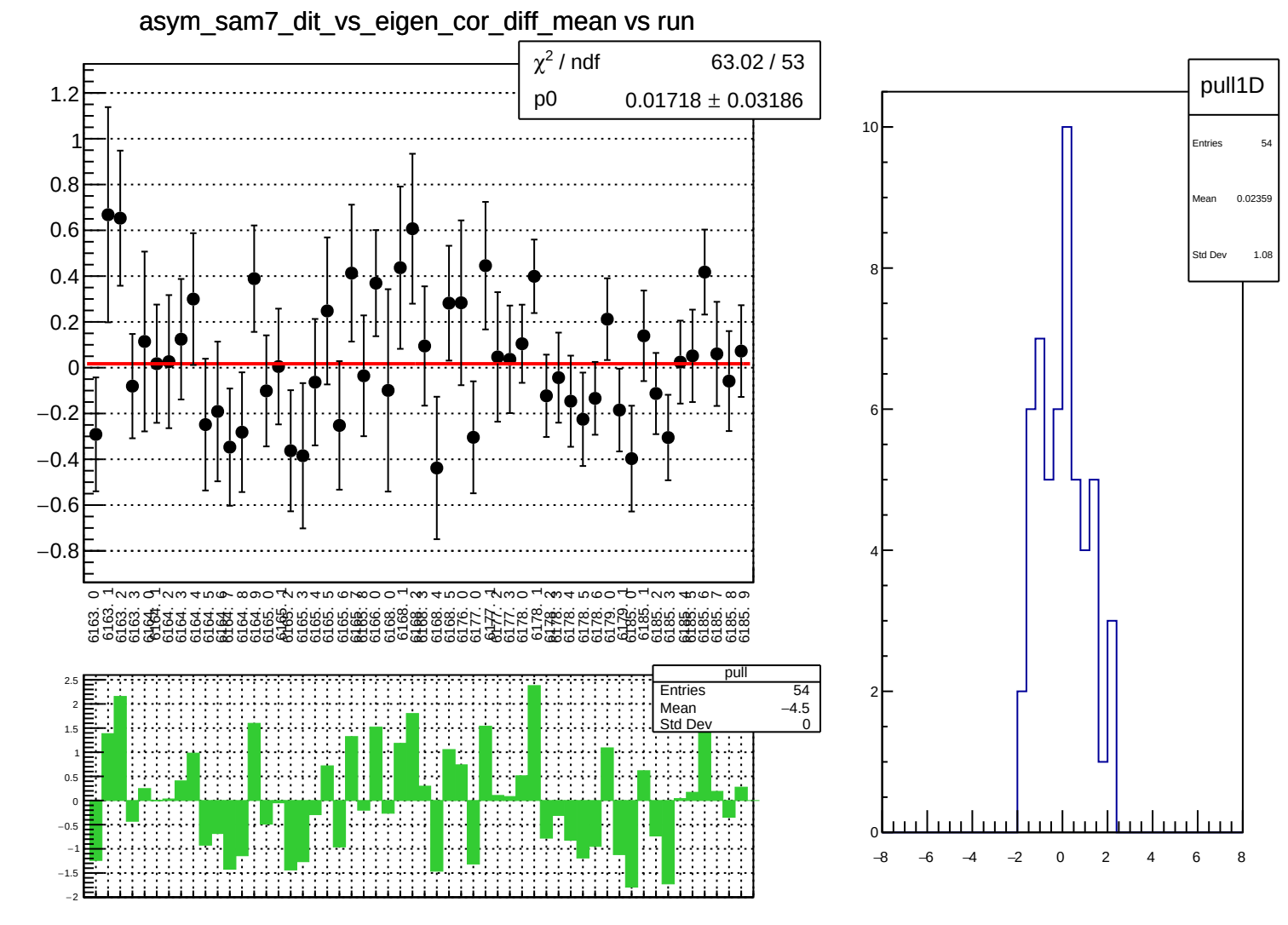
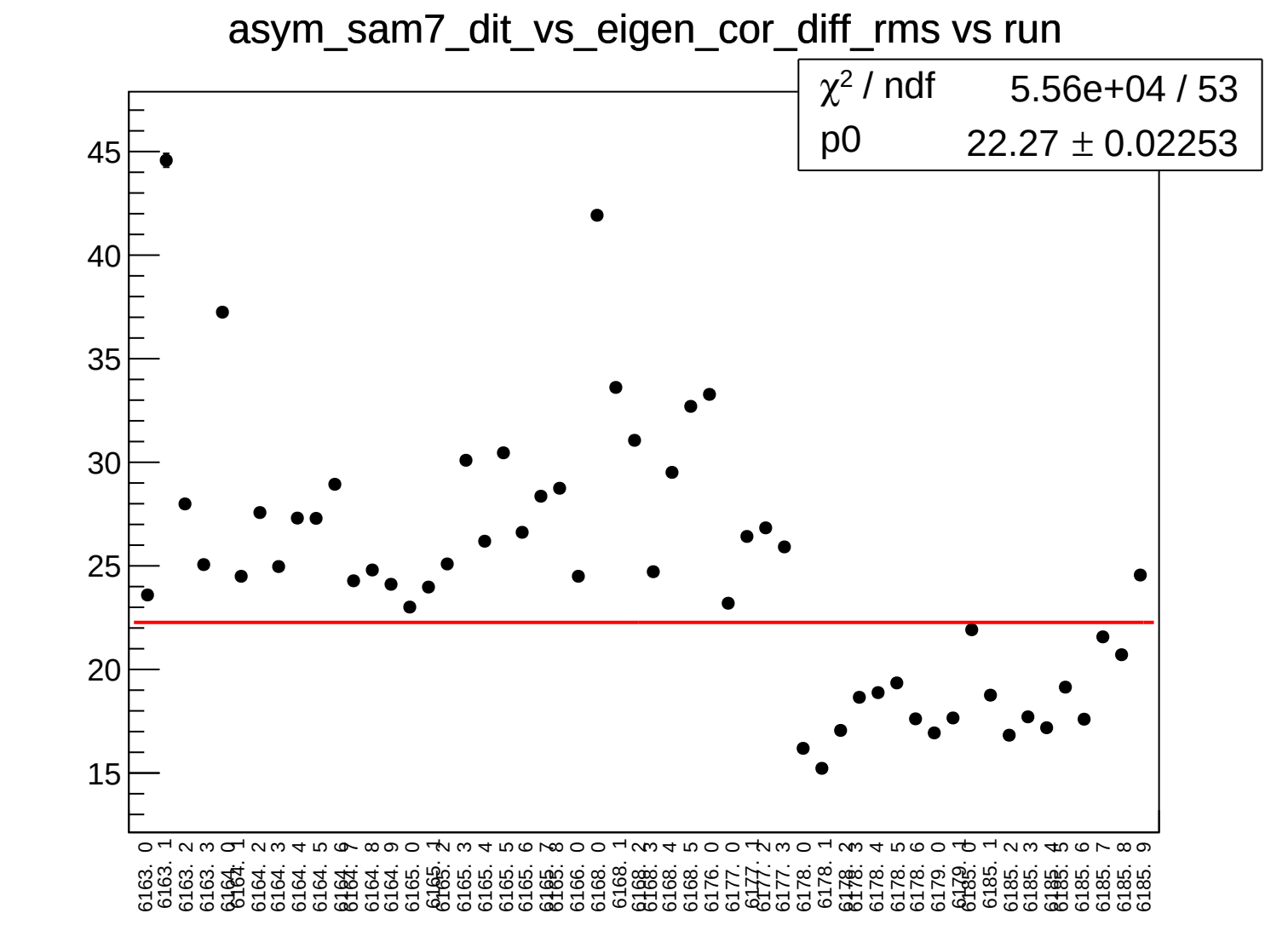
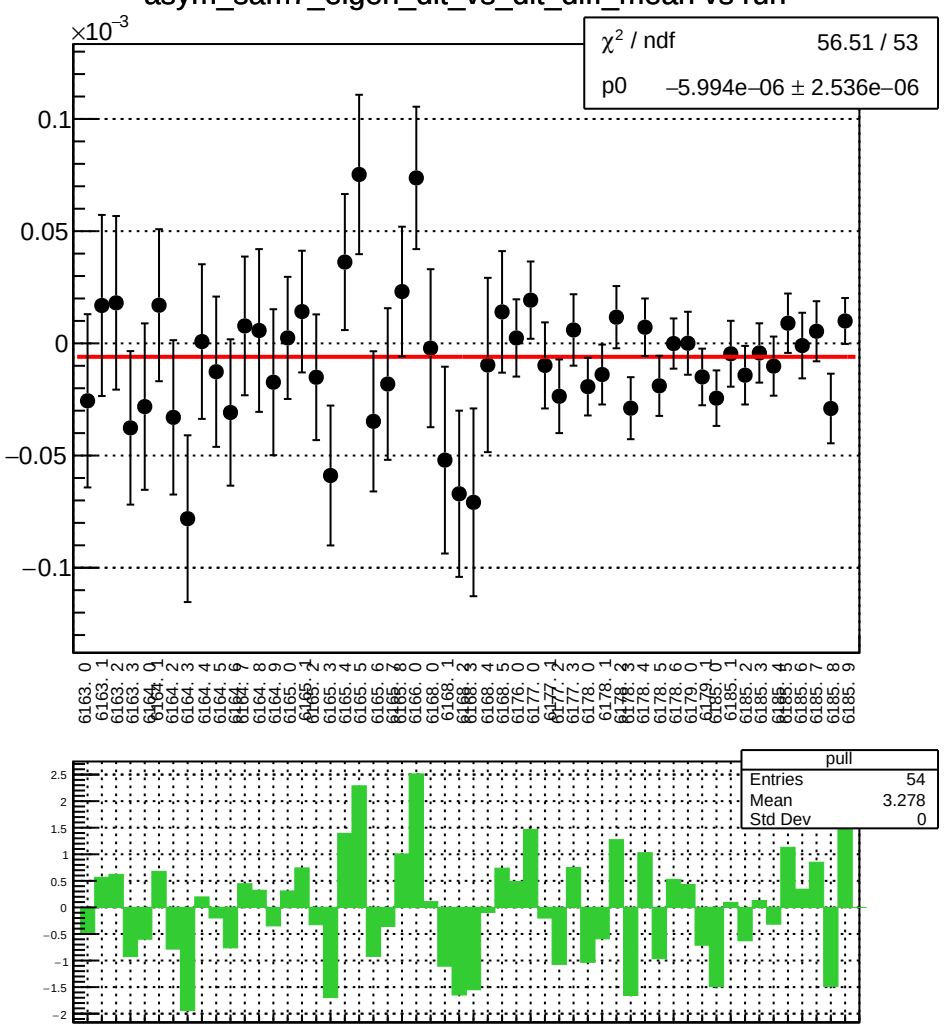
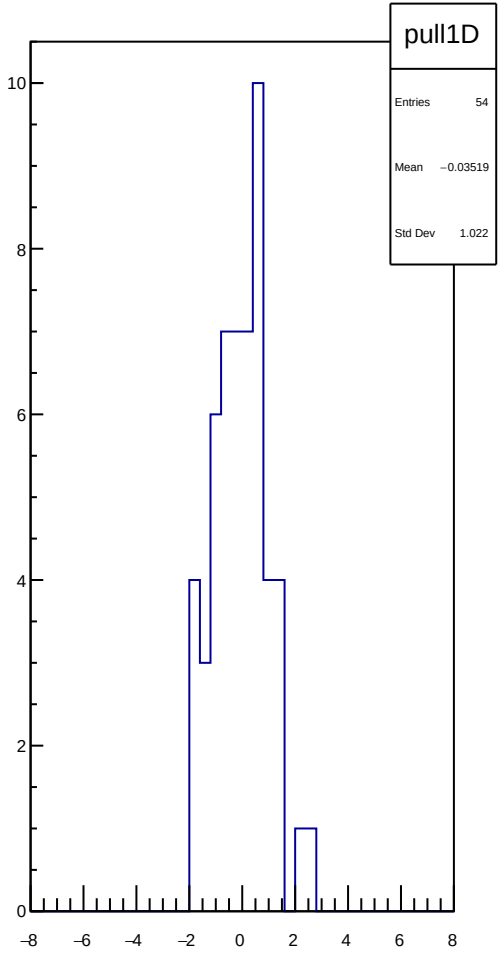
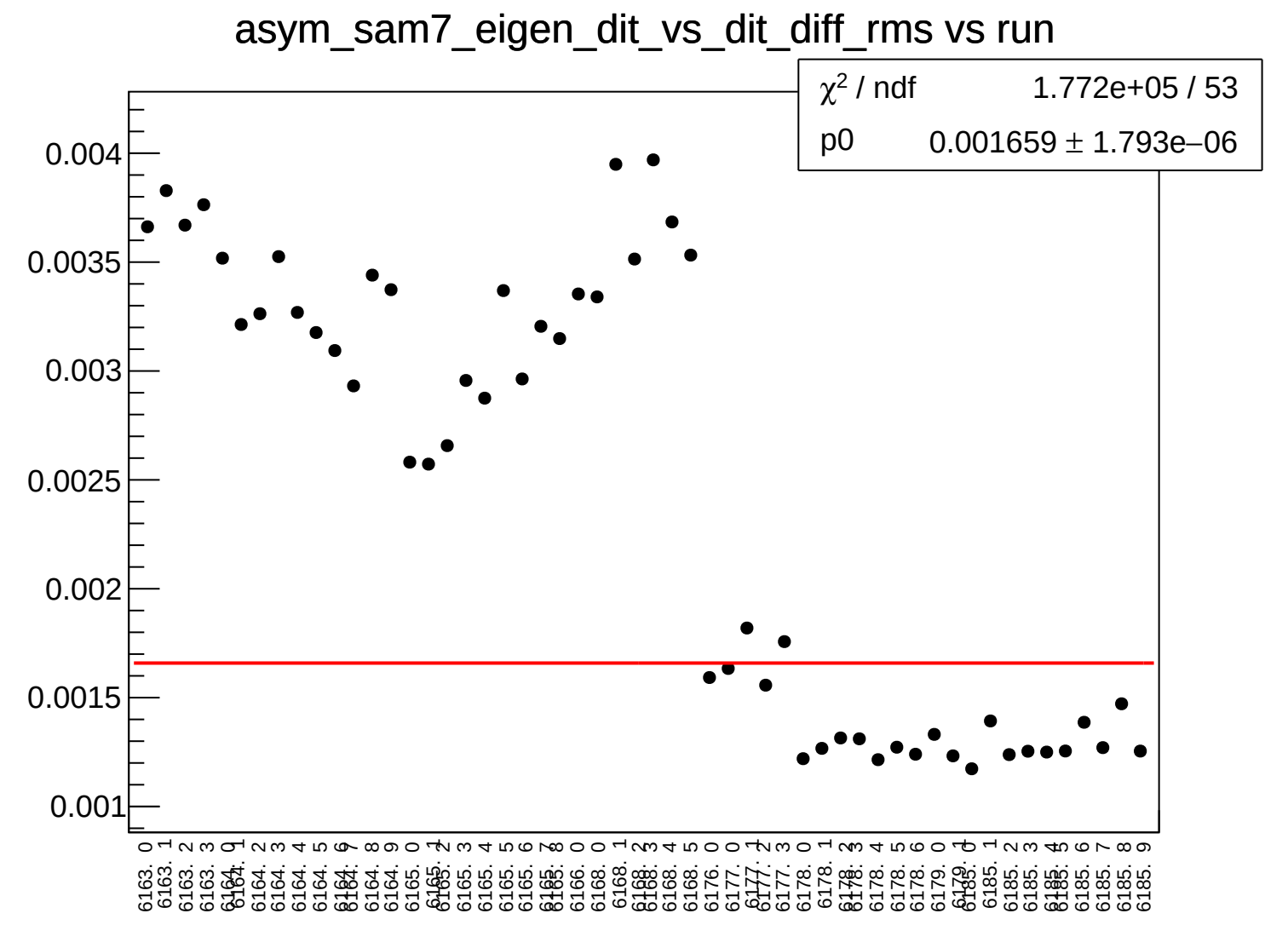
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

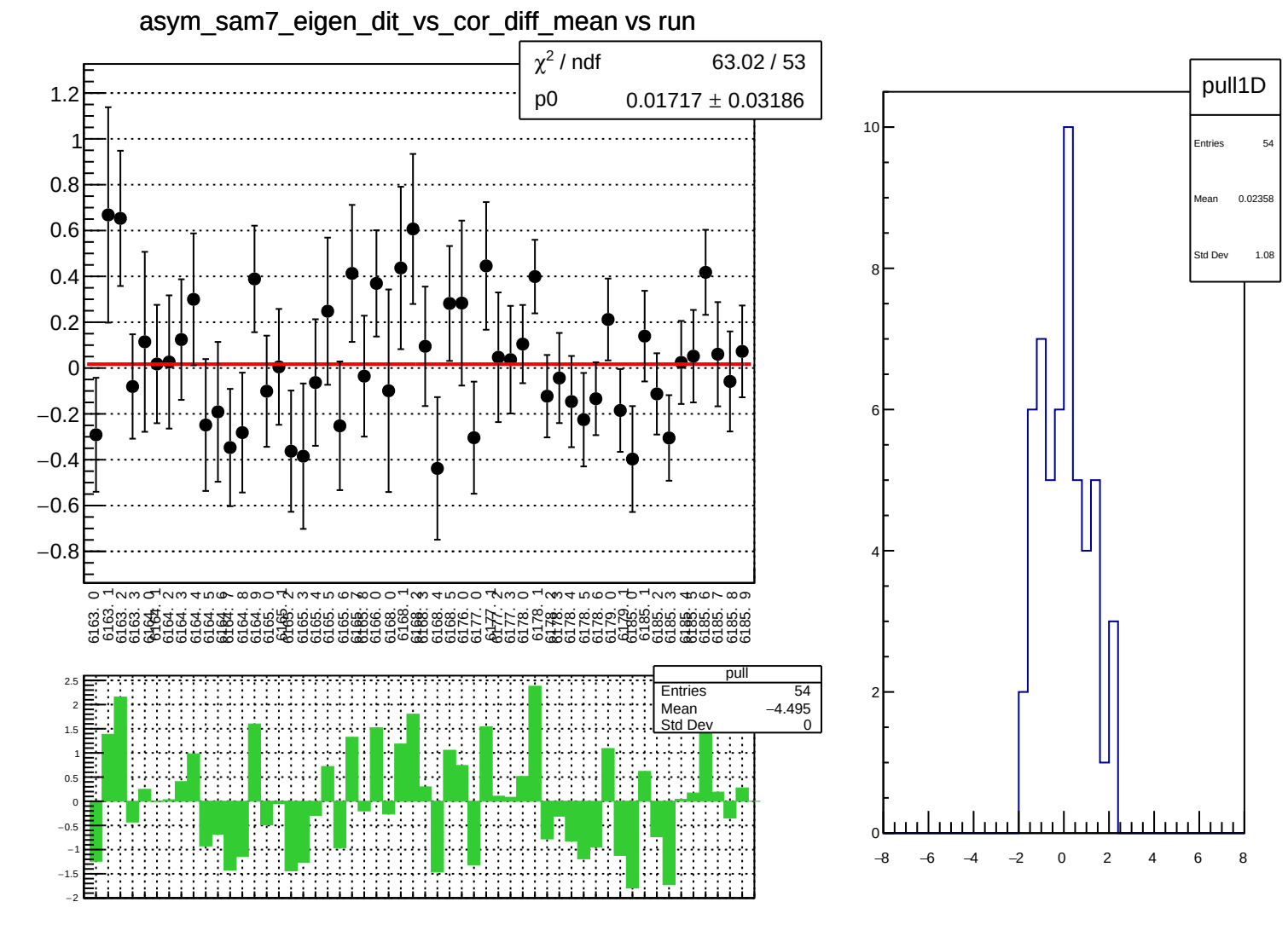

asym_sam7_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 63.02 / 53
p0 0.01718 ± 0.03186
pull
Entries 54
Mean −4.5
Std Dev 0
pull1D
Entries 54
Mean 0.02359
Std Dev 1.08

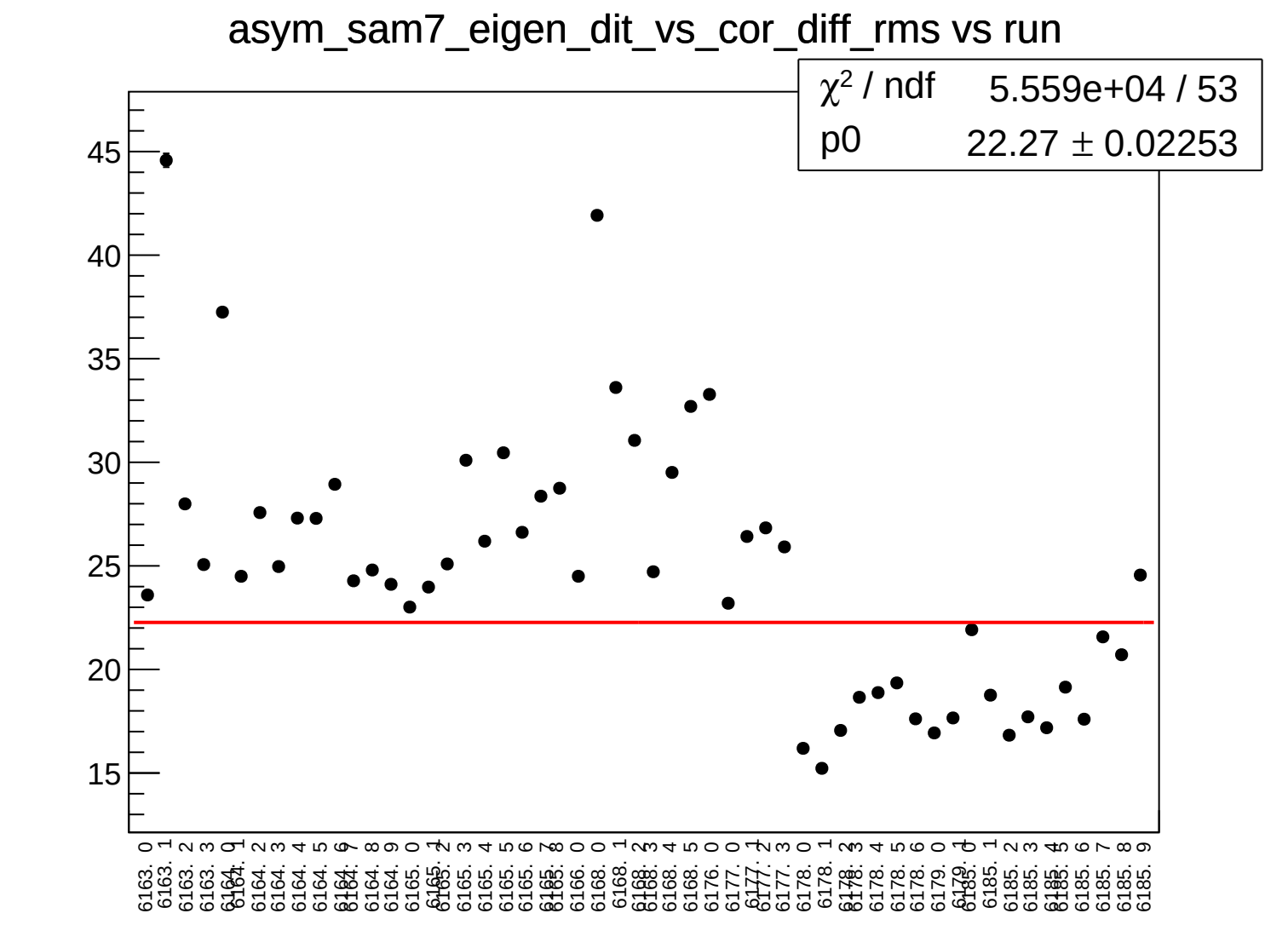

asym_sam7_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.56e+04 / 53
p0 22.27 ± 0.02253
45
40
35
30
25
20
15
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

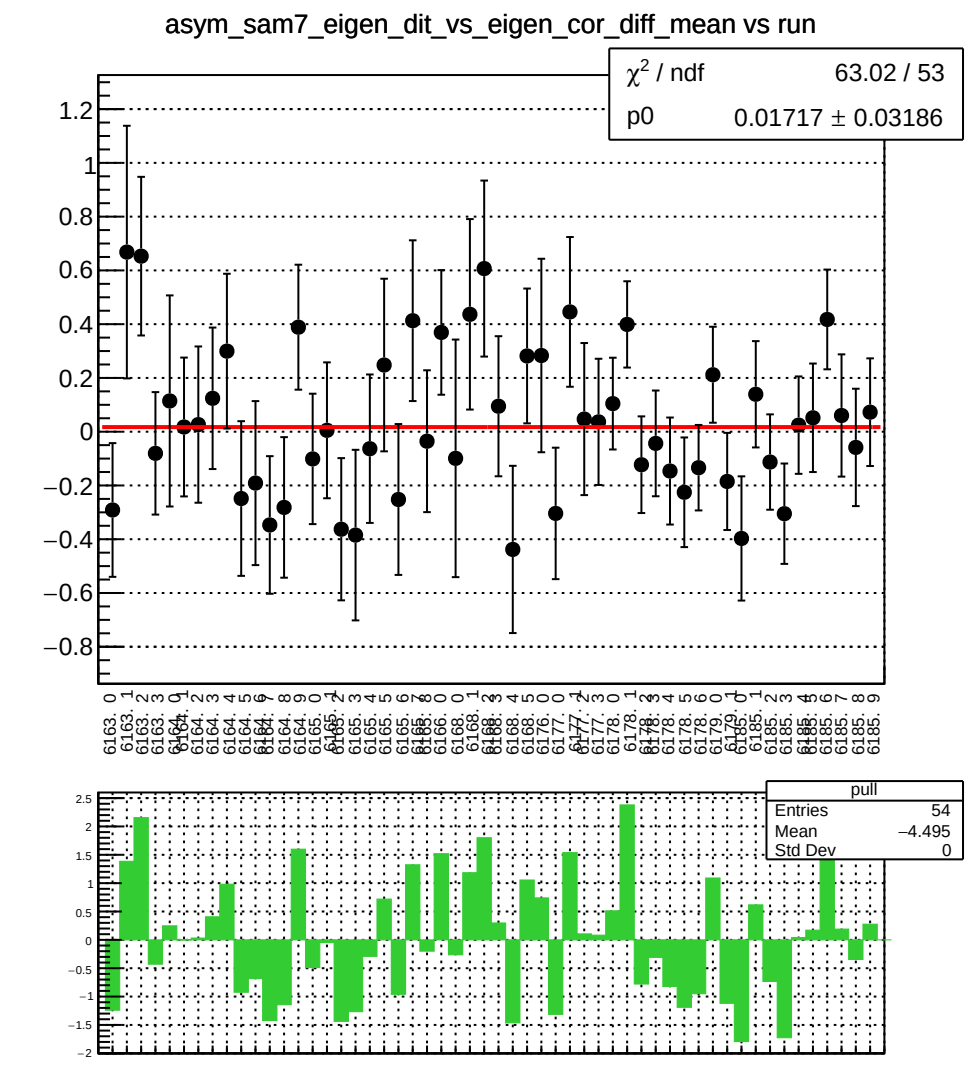

asym_sam7_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 56.51 / 53
p0 −5.994e−06 ± 2.536e−06
0.1
0.05
0
−0.05
−0.1
pull
Entries 54
Mean 3.278
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

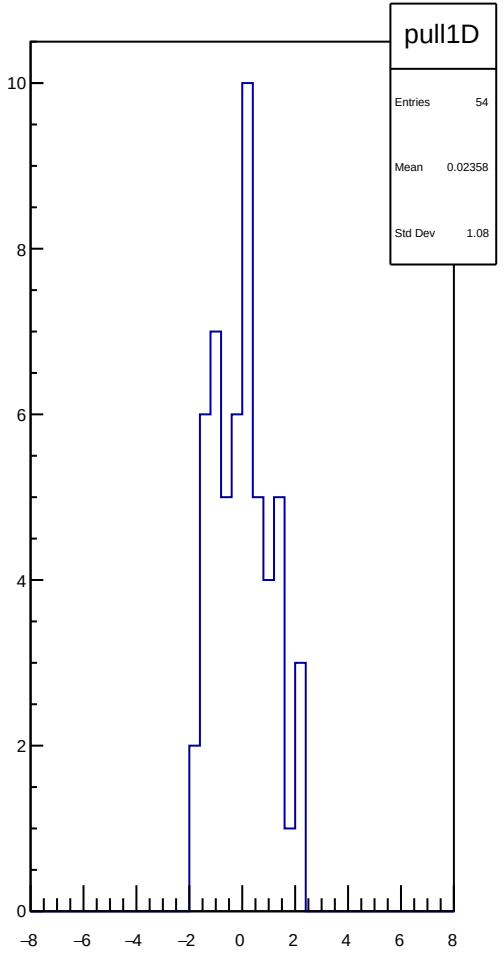

pull1D
Entries 54
Mean −0.03519
Std Dev 1.022
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

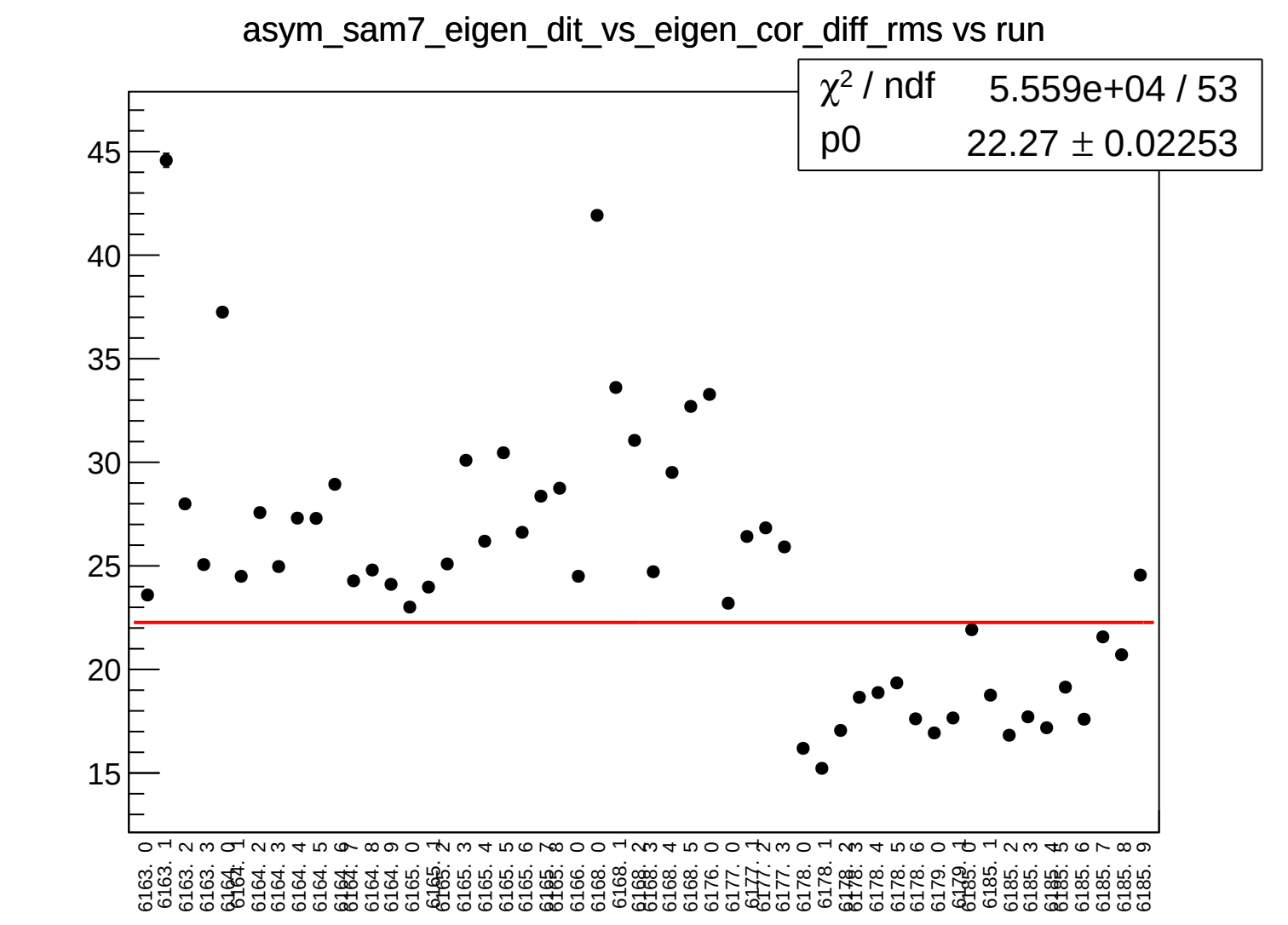

asym_sam7_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.772e+05 / 53
p0 0.001659 ± 1.793e−06
0.004
0.0035
0.003
0.0025
0.002
0.0015
0.001
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

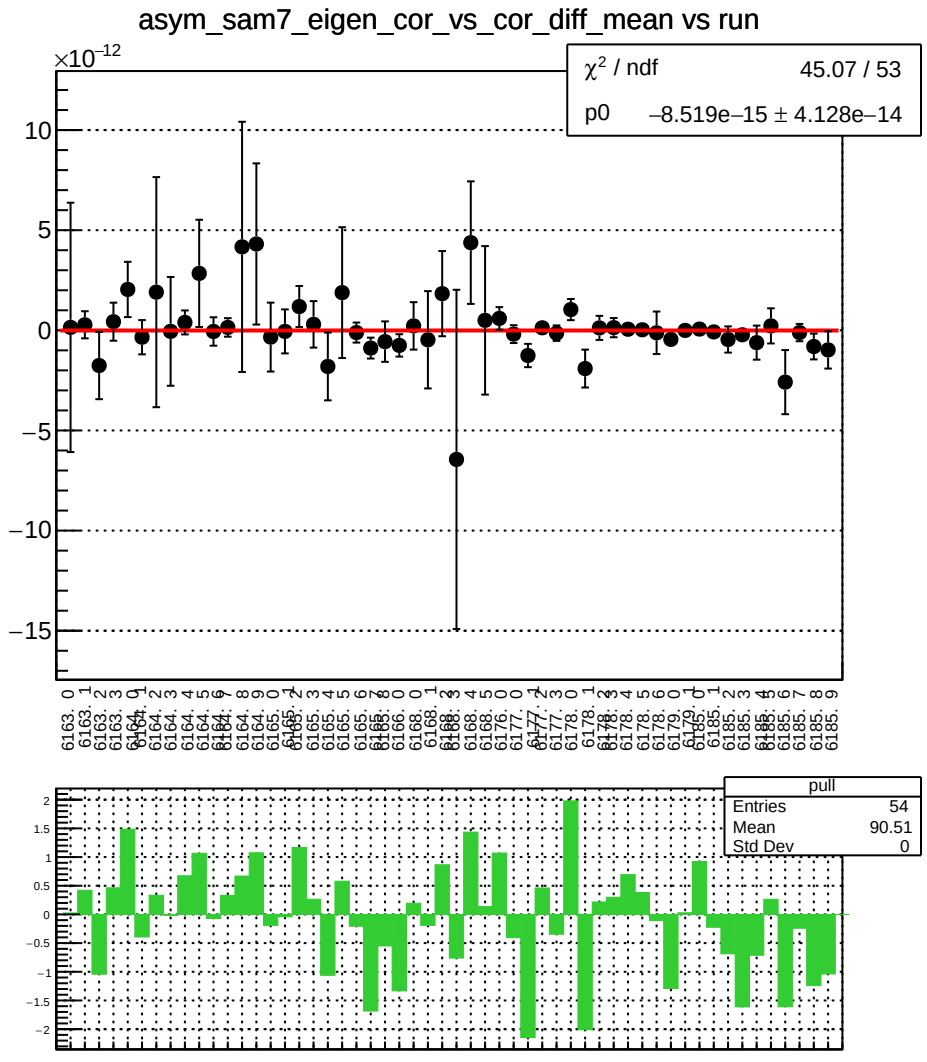

asym_sam7_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 63.02 / 53
p0 0.01717 ± 0.03186
pull
Entries 54
Mean −4.495
Std Dev 0
pull1D
Entries 54
Mean 0.02358
Std Dev 1.08

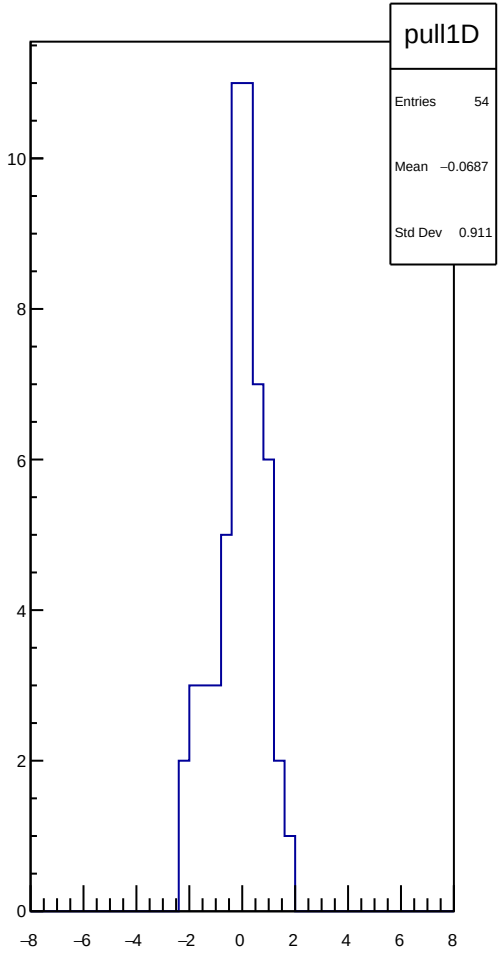

asym_sam7_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.559e+04 / 53
p0 22.27 ± 0.02253
45
40
35
30
25
20
15
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

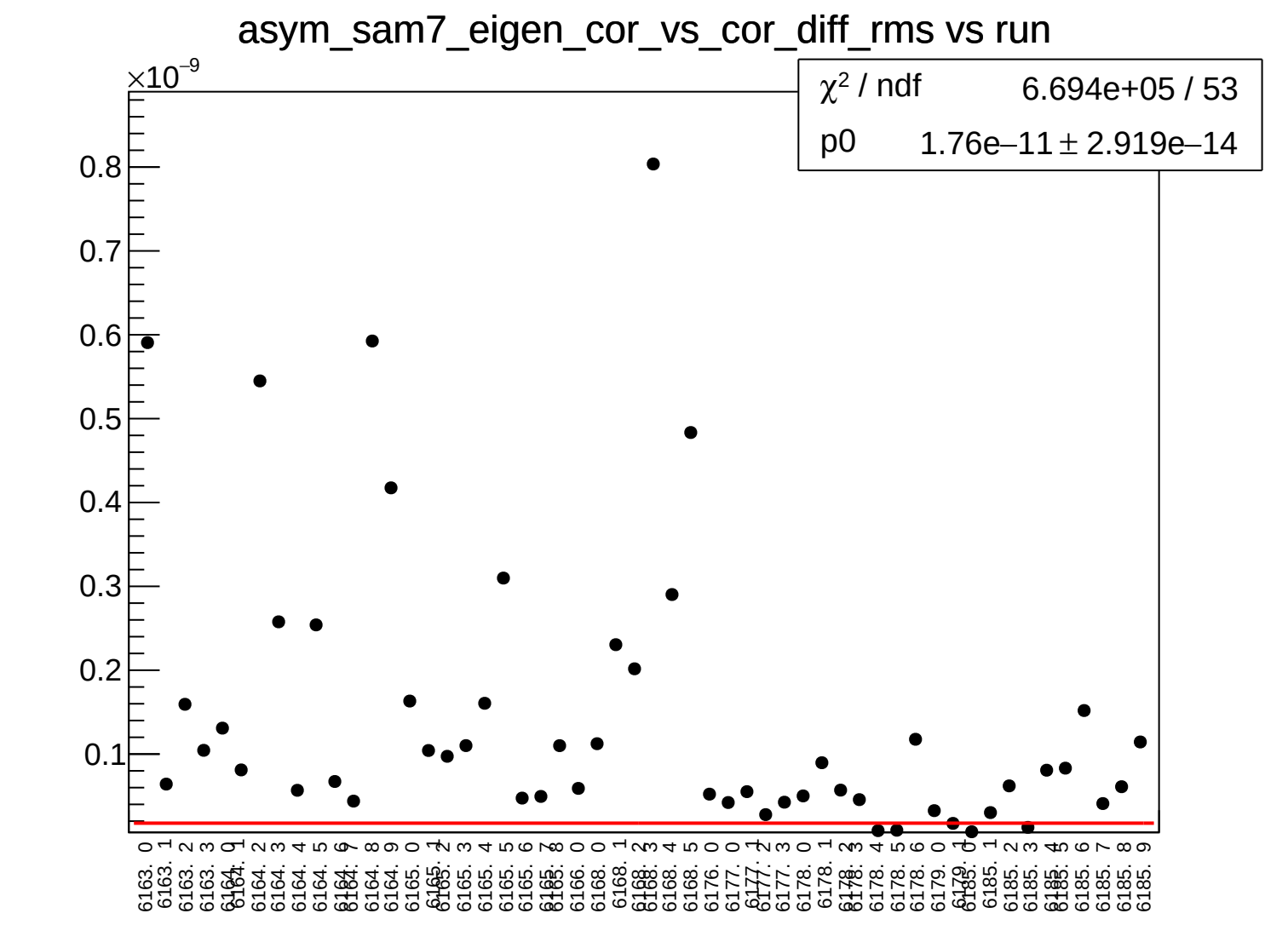

asym_sam7_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 63.02 / 53
p0 0.01717 ± 0.03186
pull
Entries 54
Mean −4.495
Std Dev 0

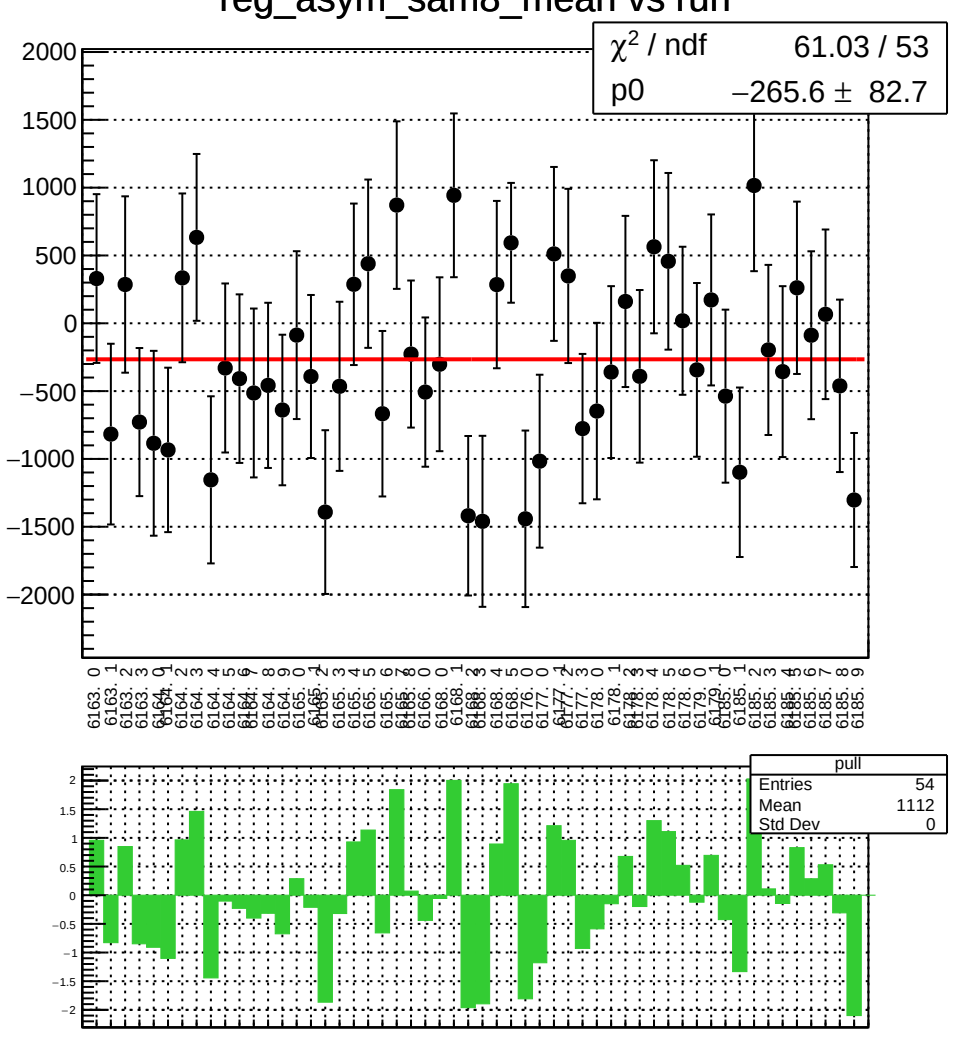

pull1D
Entries 54
Mean 0.02358
Std Dev 1.08

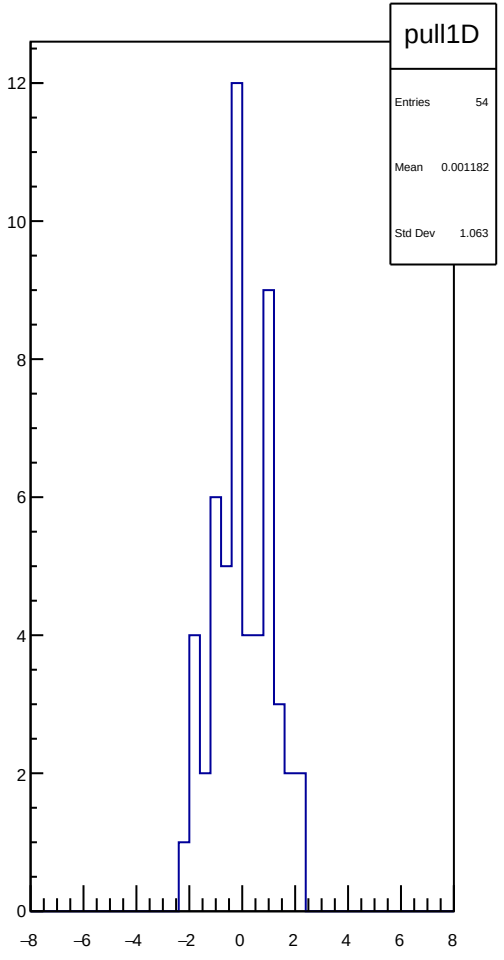

asym_sam7_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.559e+04 / 53
p0 22.27 ± 0.02253
45
40
35
30
25
20
15
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

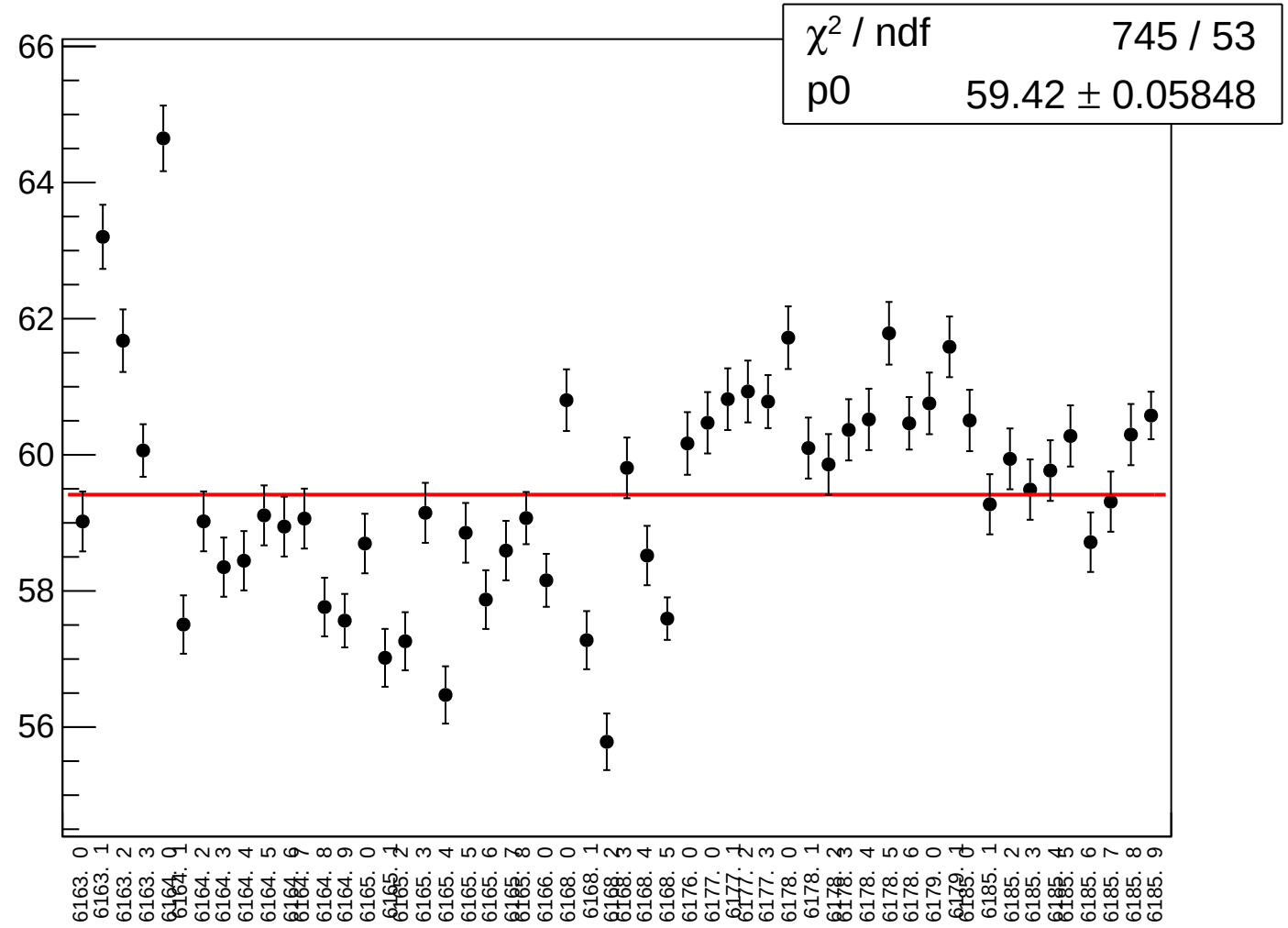

asym_sam7_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 45.07 / 53
p0 −8.519e−15 ± 4.128e−14
pull
Entries 54
Mean 90.51
Std Dev 0

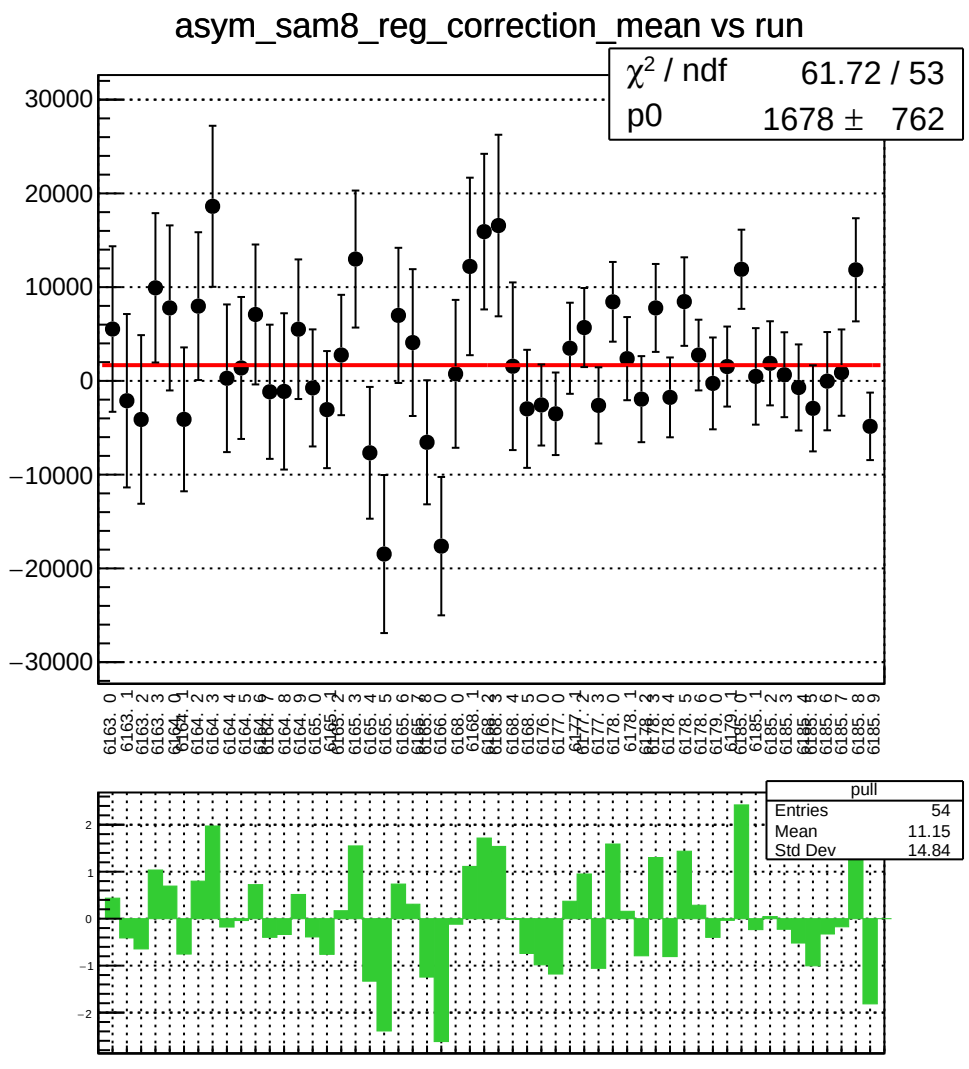

pull1D
Entries 54
Mean −0.0687
Std Dev 0.911

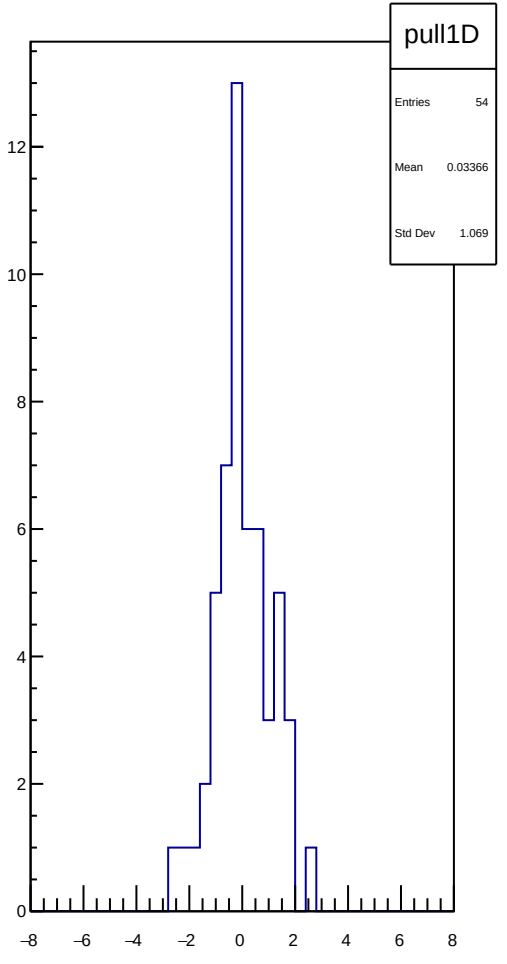

asym_sam7_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.694e+05 / 53
p0 1.76e−11 ± 2.919e−14
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

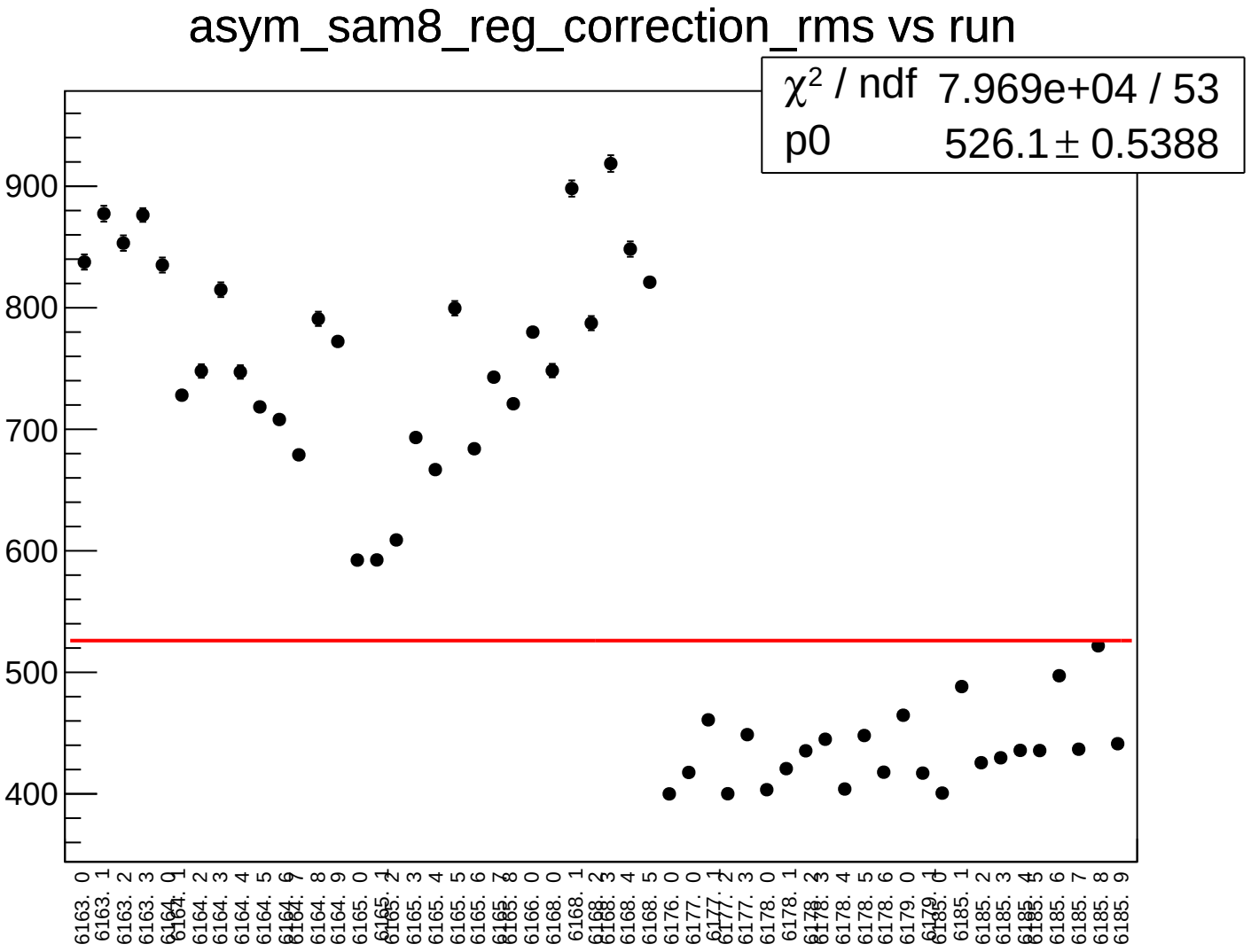

reg_asym_sam8_mean vs run
χ² / ndf 61.03 / 53
p0 −265.6 ± 82.7
pull
Entries 54
Mean 1112
Std Dev 0

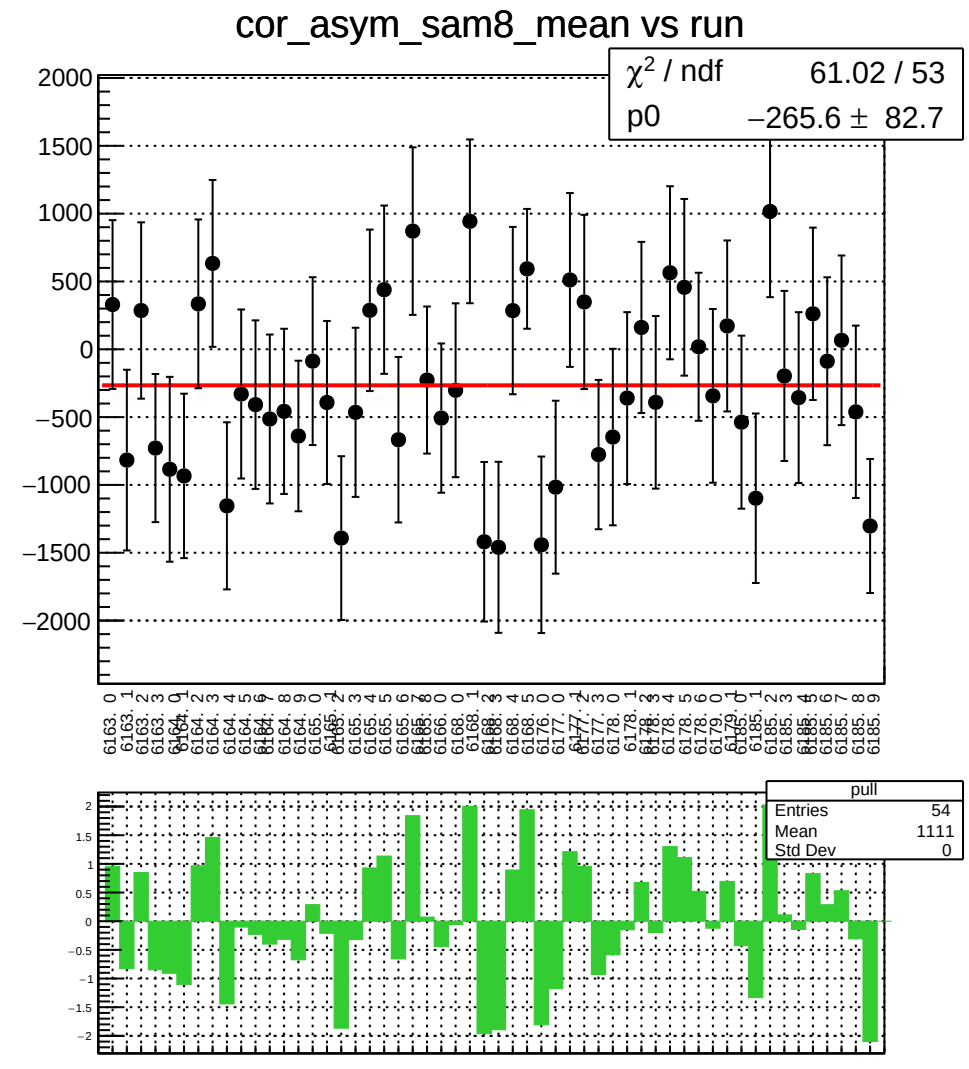

pull1D
Entries 54
Mean 0.001182
Std Dev 1.063

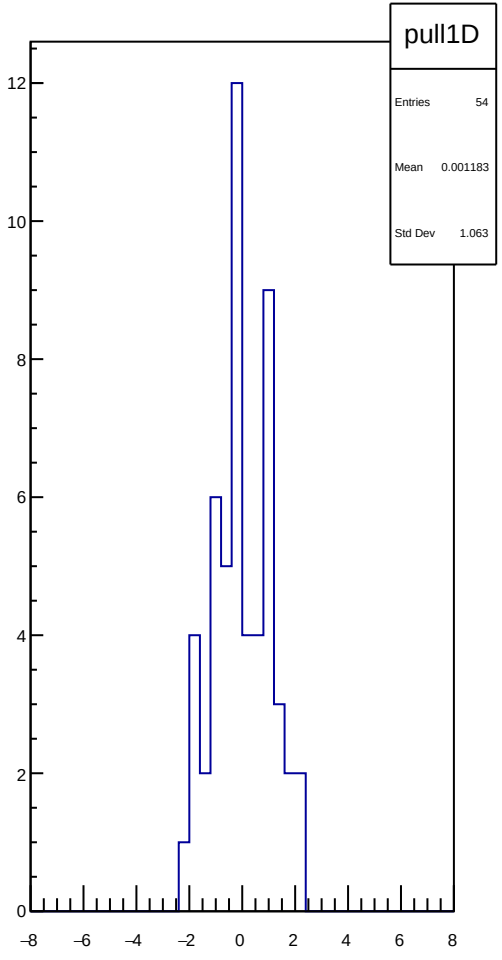

reg_asym_sam8_rms vs run
χ² / ndf 745 / 53
p0 59.42 ± 0.05848
66
64
62
60
58
56
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

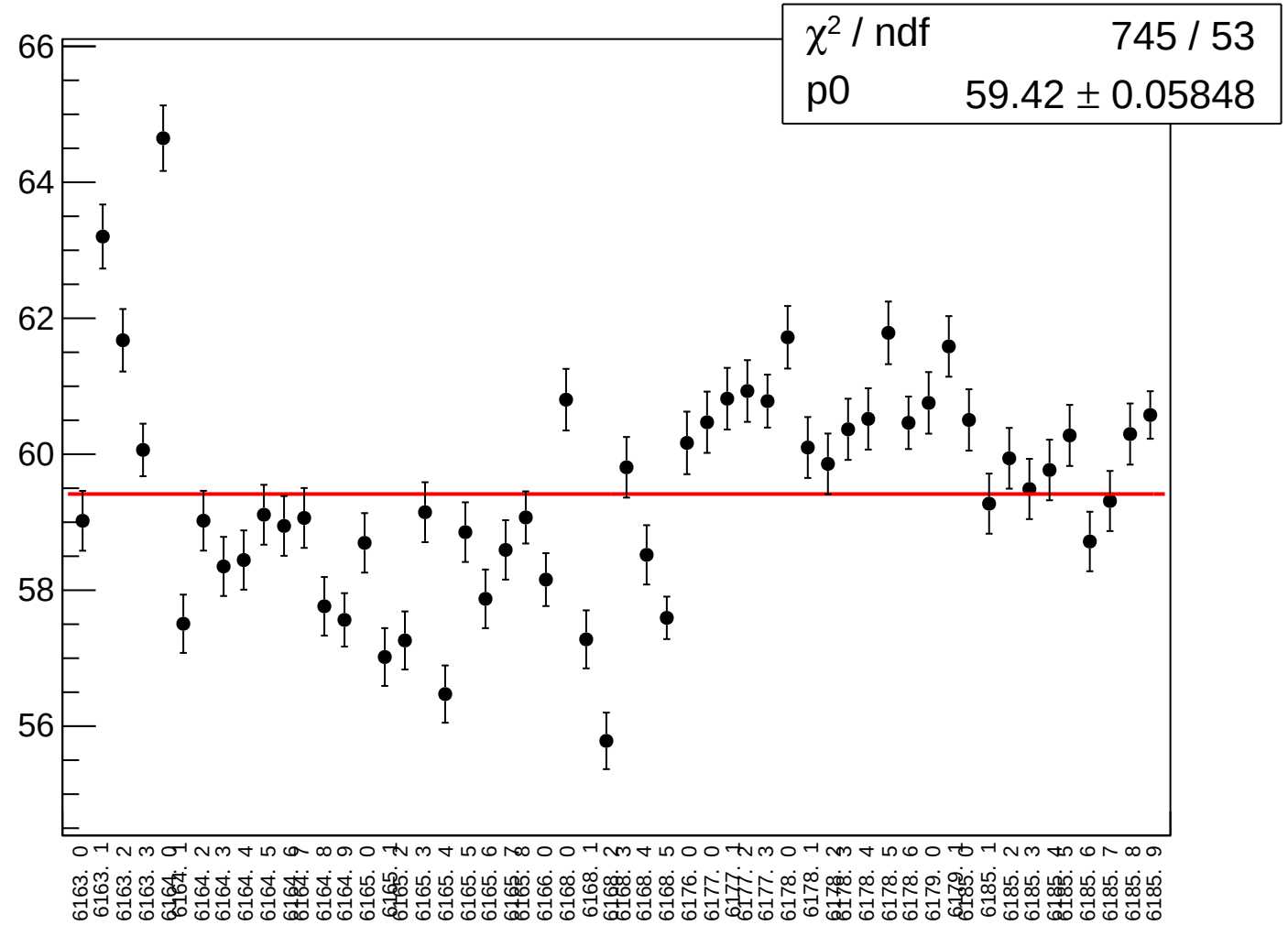

asym_sam8_reg_correction_mean vs run
χ² / ndf 61.72 / 53
p0 1678 ± 762
pull
Entries 54
Mean 11.15
Std Dev 14.84

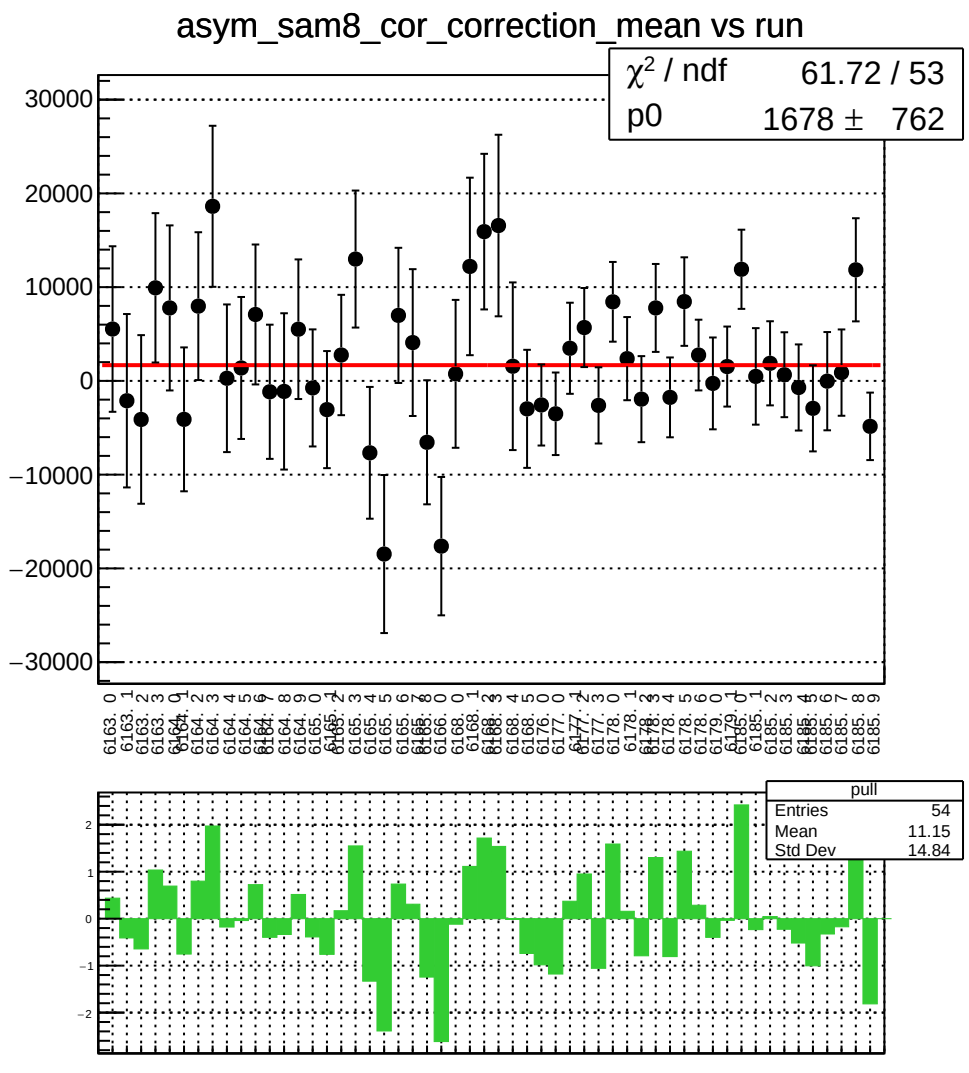

pull1D
Entries 54
Mean 0.03366
Std Dev 1.069

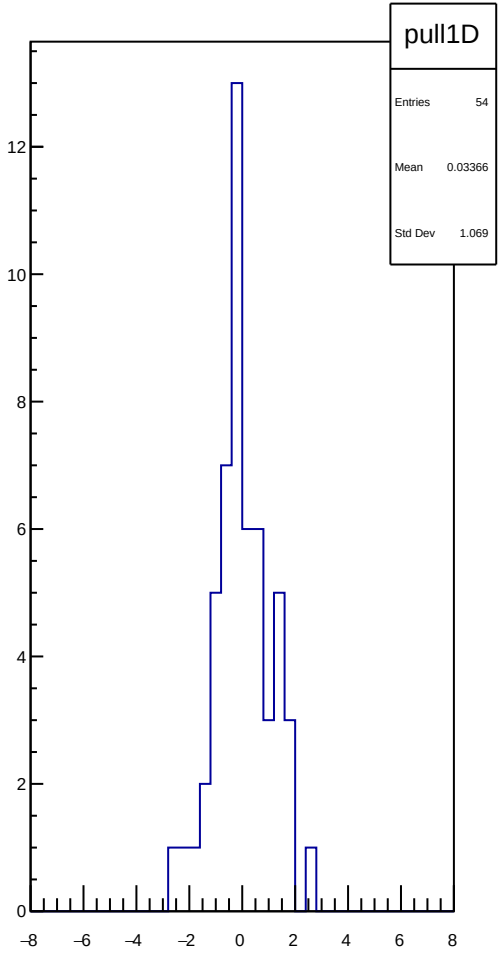

asym_sam8_reg_correction_rms vs run
χ² / ndf 7.969e+04 / 53
p0 526.1 ± 0.5388
900
800
700
600
500
400
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

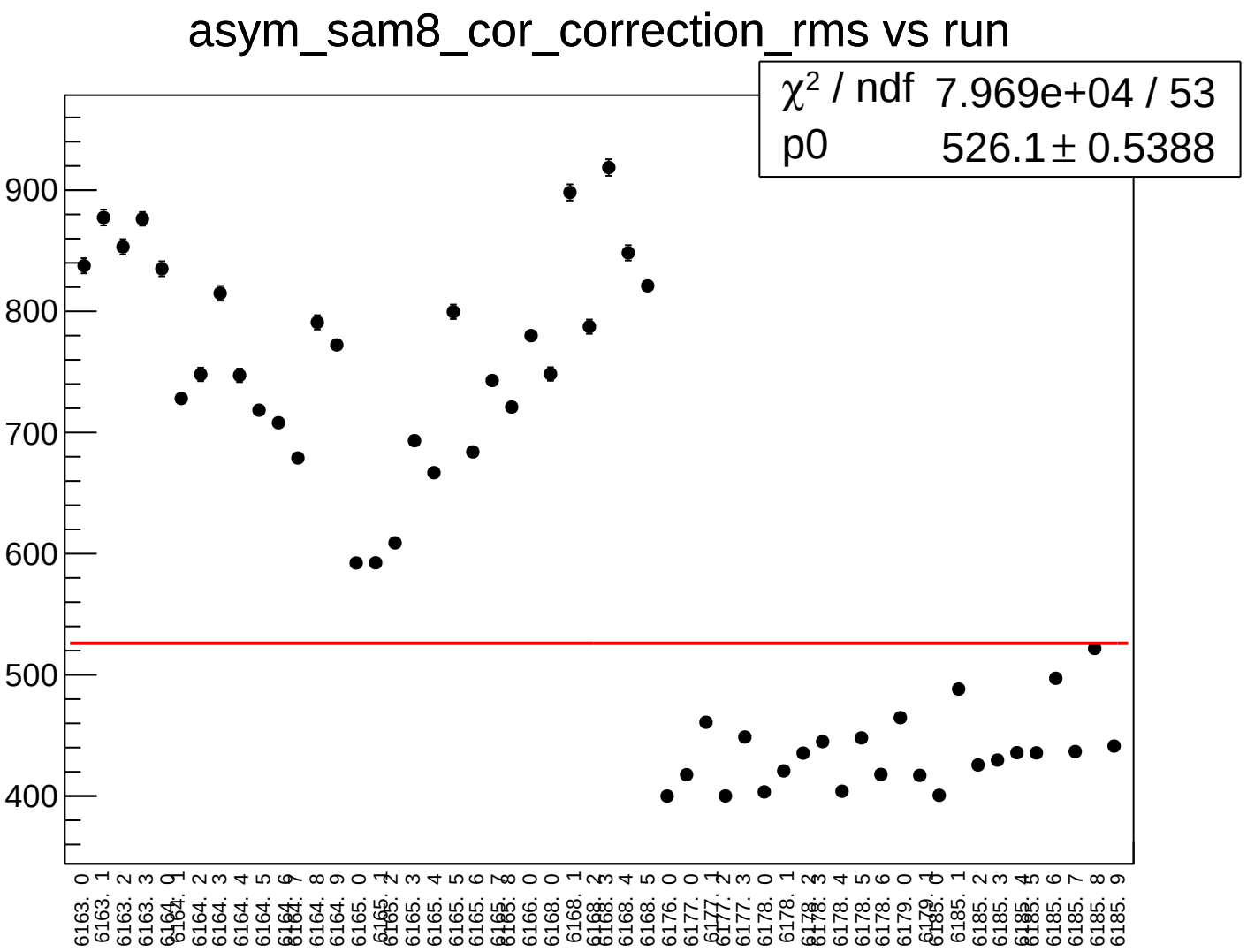

cor_asym_sam8_mean vs run
χ² / ndf 61.02 / 53
p0 −265.6 ± 82.7
pull
Entries 54
Mean 1111
Std Dev 0

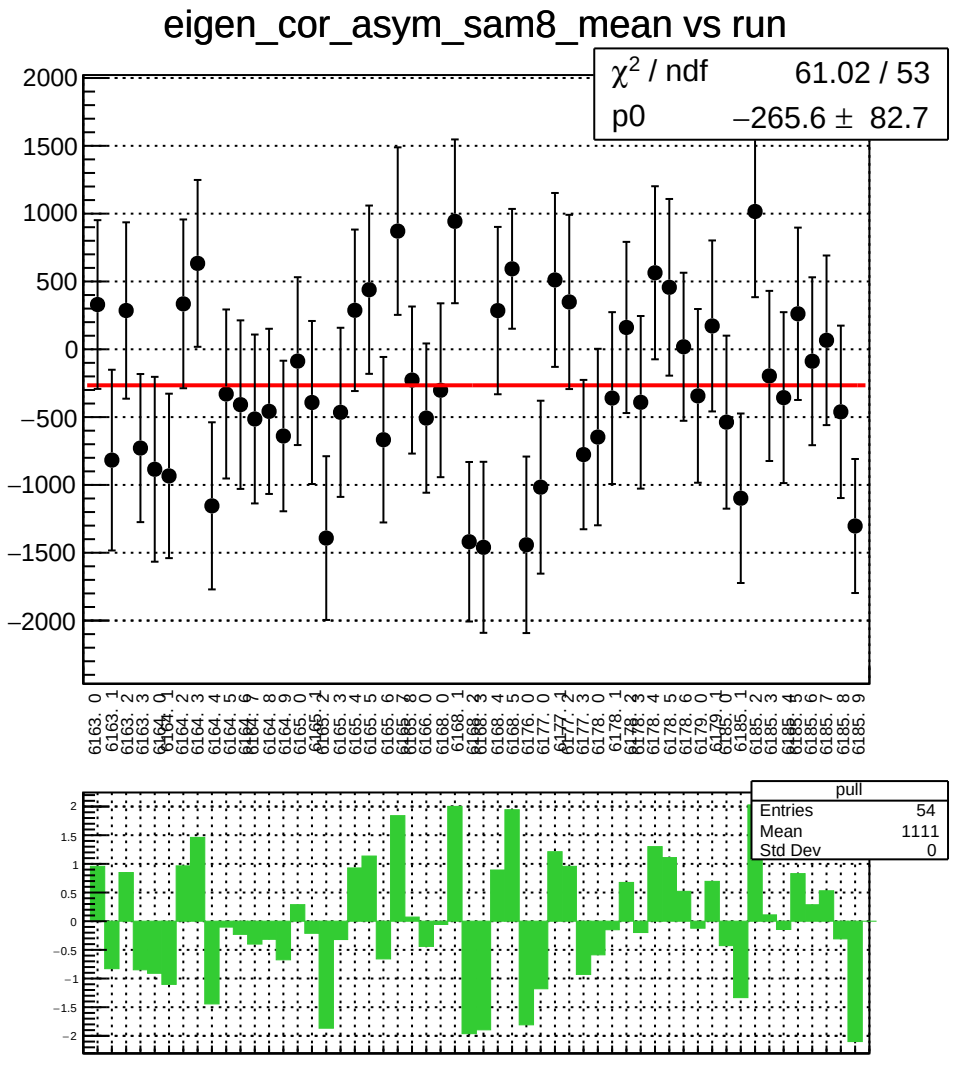

pull1D
Entries 54
Mean 0.001183
Std Dev 1.063

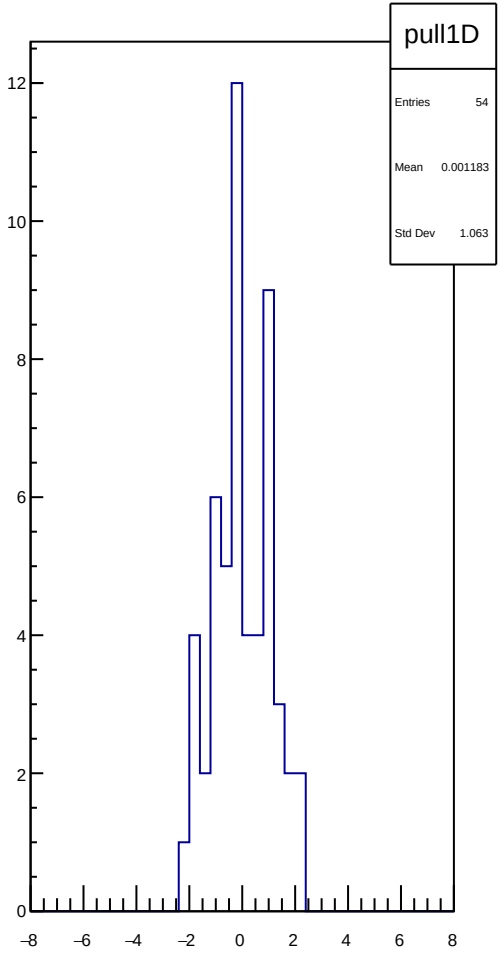

cor_asym_sam8_rms vs run
χ² / ndf 745 / 53
p0 59.42 ± 0.05848
66
64
62
60
58
56
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

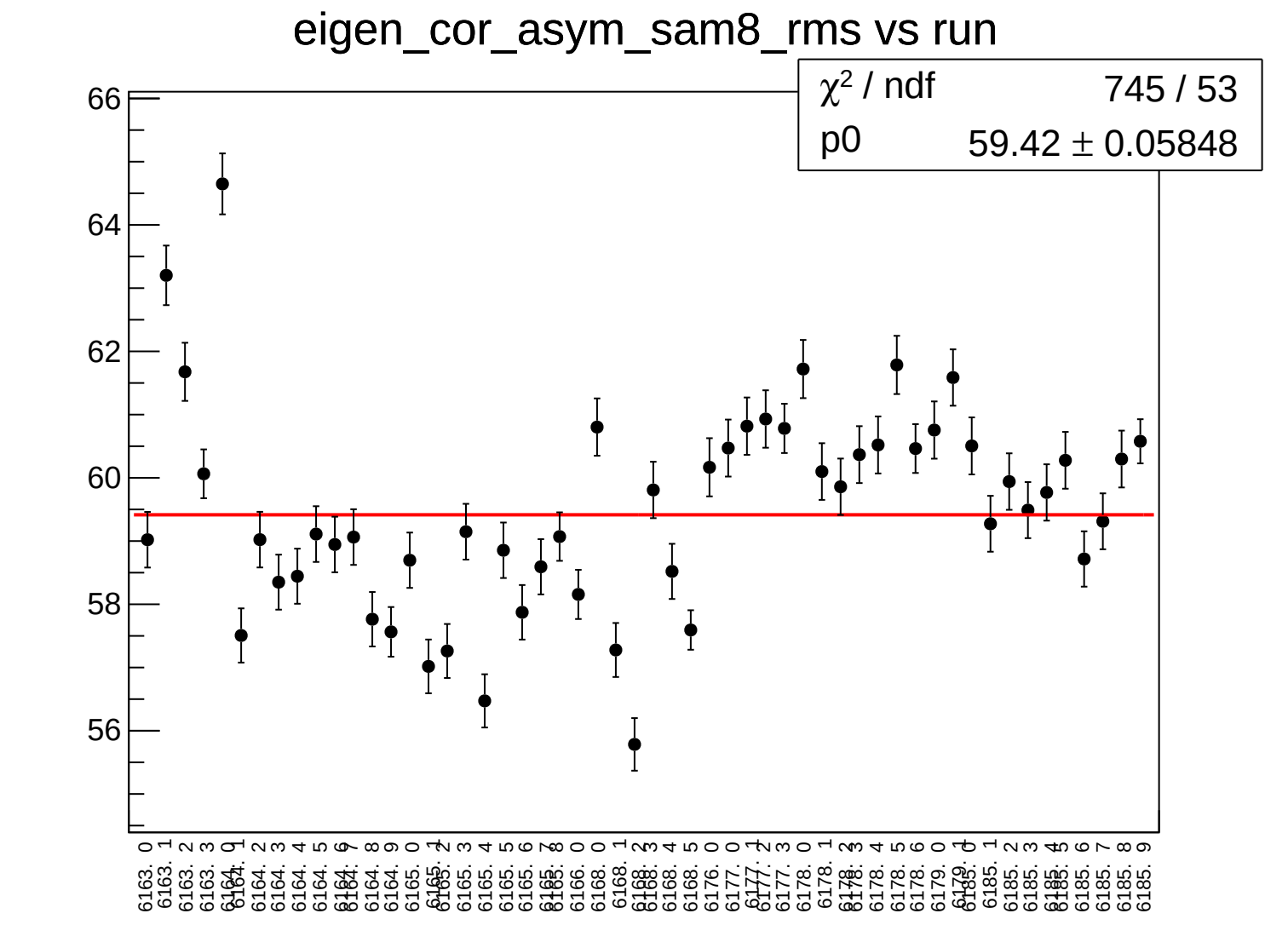

asym_sam8_cor_correction_mean vs run
χ² / ndf 61.72 / 53
p0 1678 ± 762
pull
Entries 54
Mean 11.15
Std Dev 14.84


pull1D
Entries 54
Mean 0.03366
Std Dev 1.069


asym_sam8_cor_correction_rms vs run
χ² / ndf 7.969e+04 / 53
p0 526.1 ± 0.5388
900
800
700
600
500
400
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


eigen_cor_asym_sam8_mean vs run
χ² / ndf 61.02 / 53
p0 −265.6 ± 82.7
pull
Entries 54
Mean 1111
Std Dev 0


pull1D
Entries 54
Mean 0.001183
Std Dev 1.063


eigen_cor_asym_sam8_rms vs run
χ² / ndf 745 / 53
p0 59.42 ± 0.05848
66
64
62
60
58
56
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
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6185. 2
6185. 3
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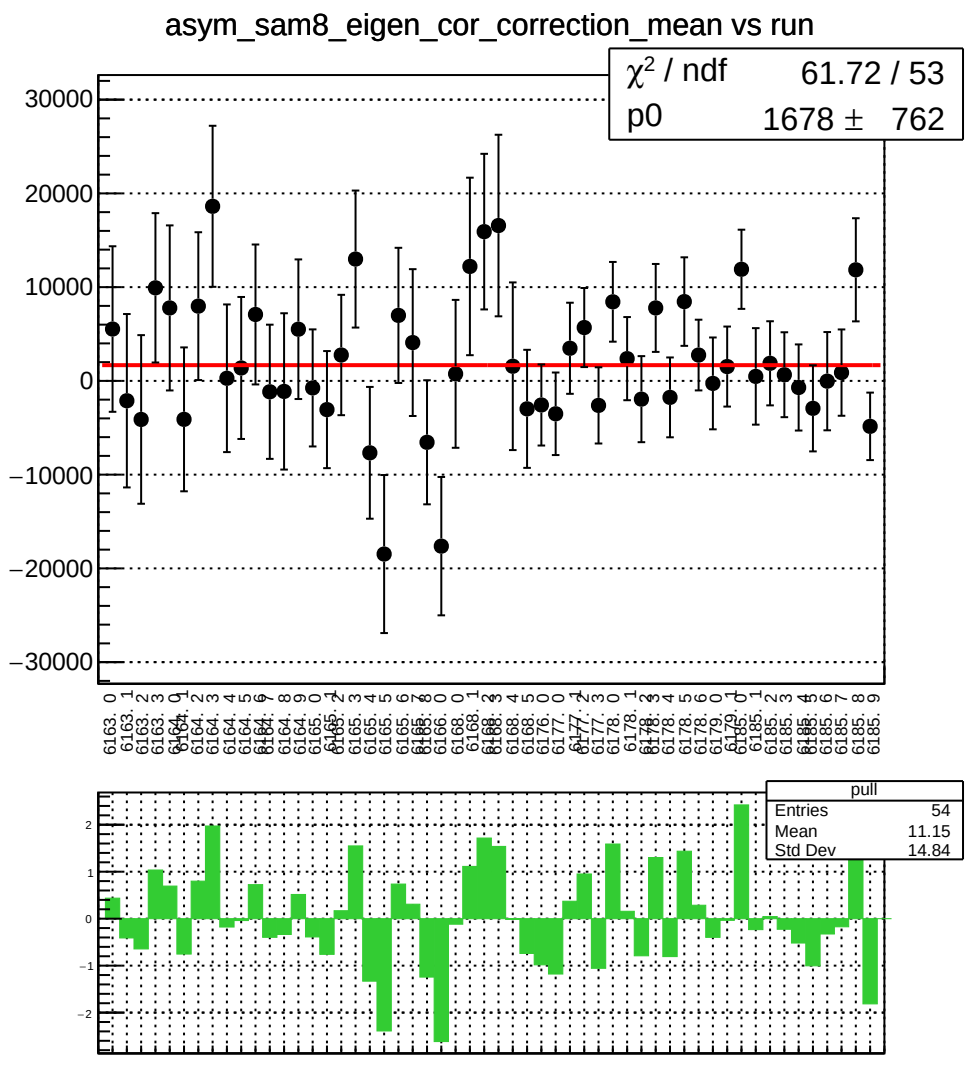
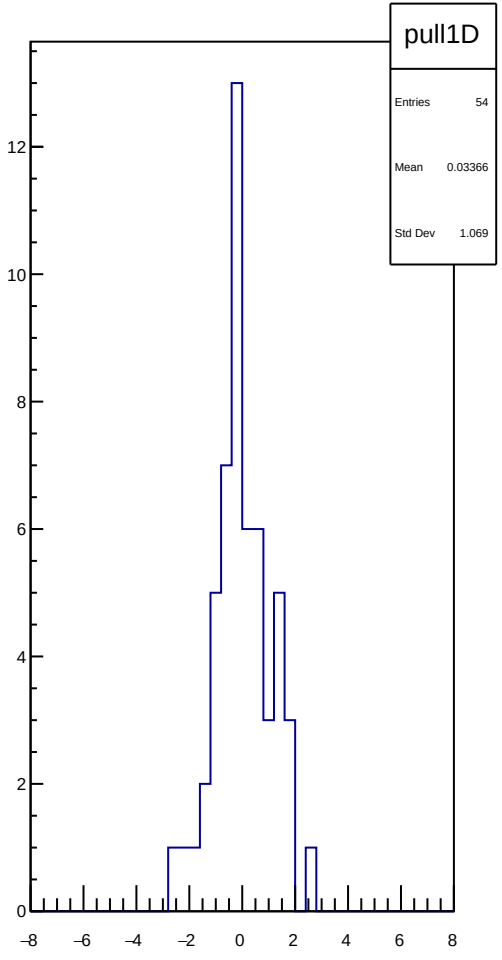
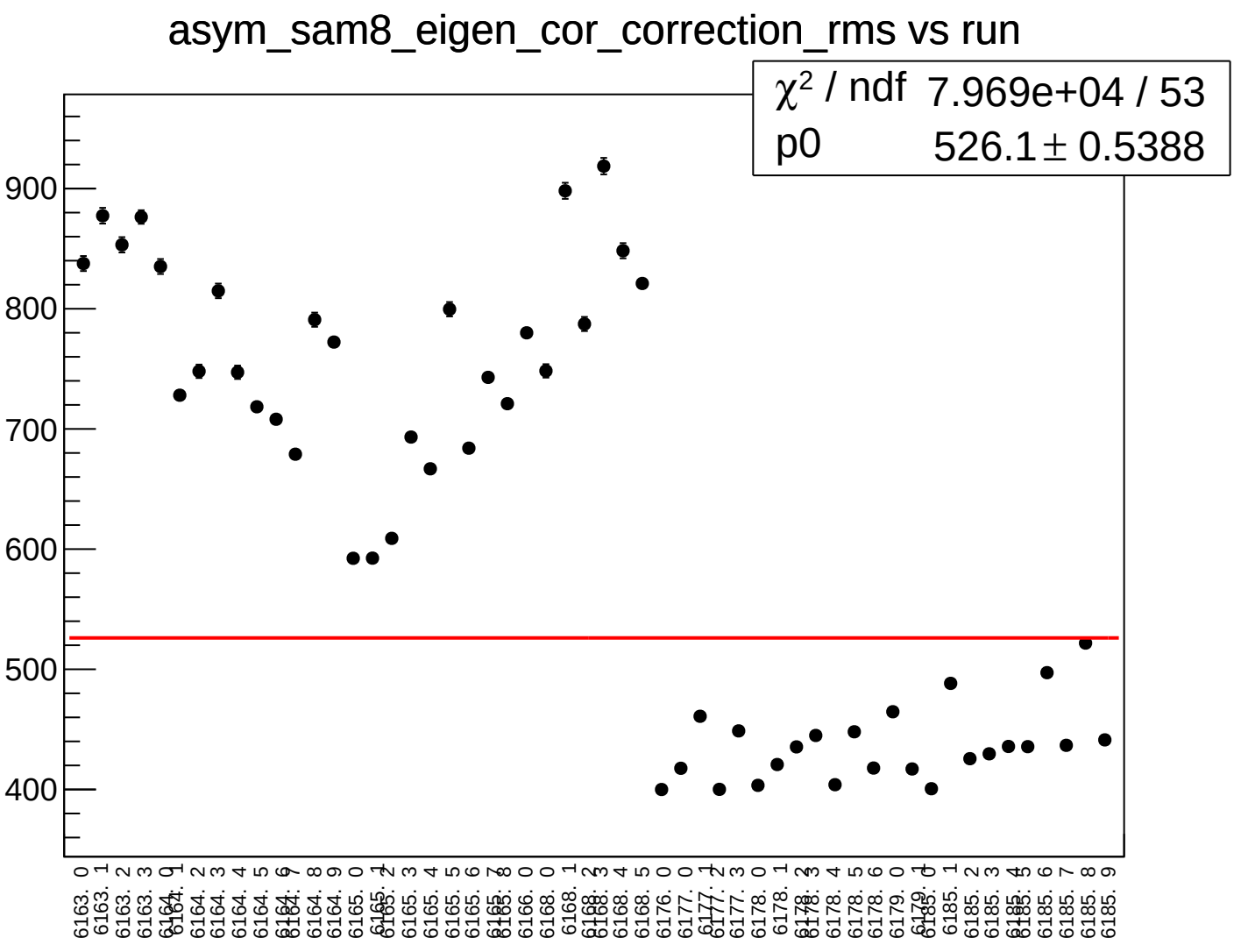
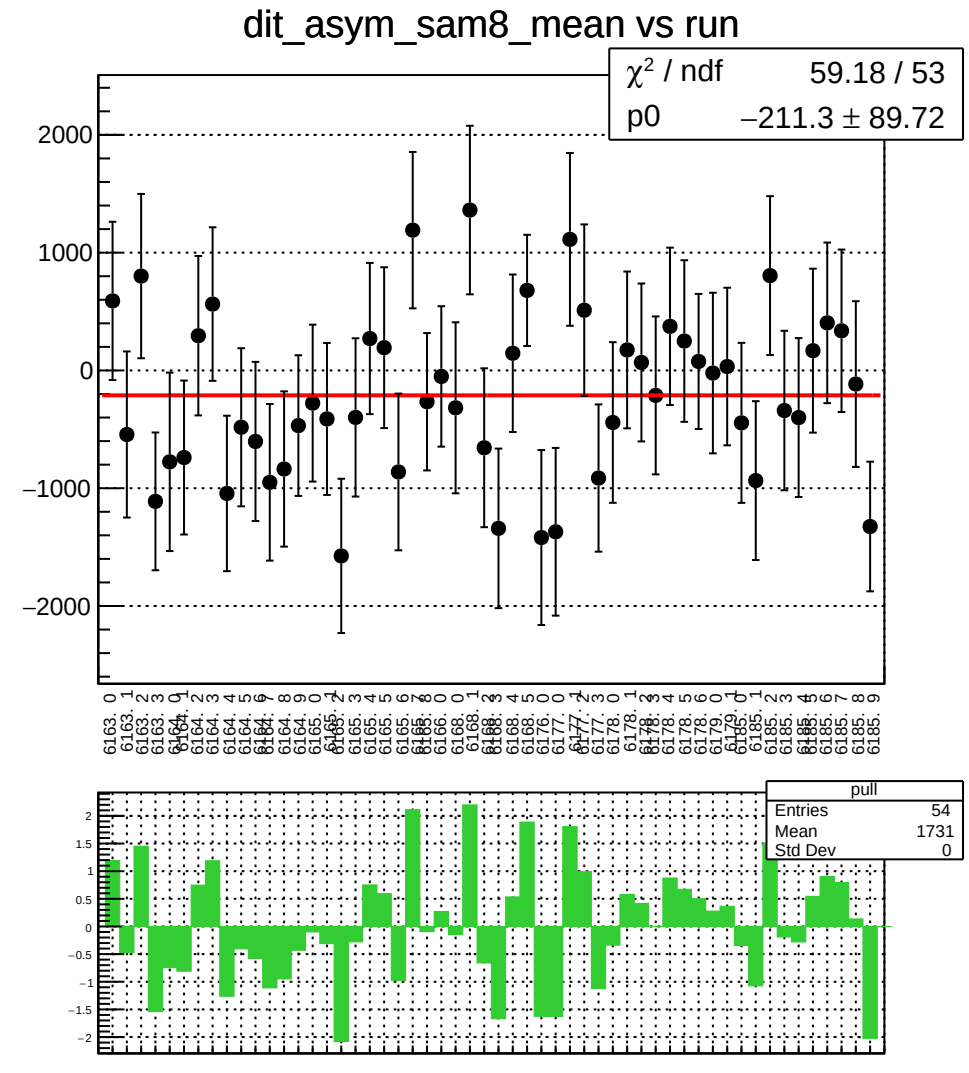
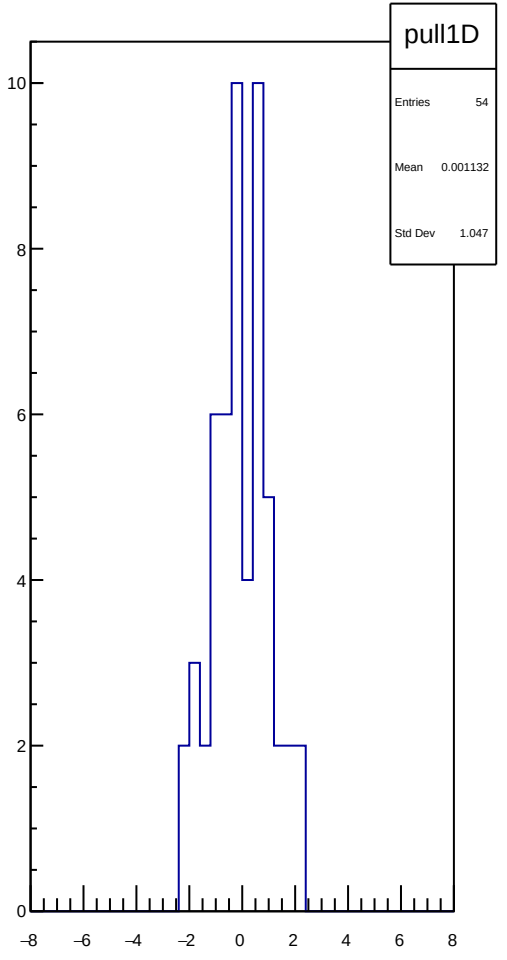
6185. 8
6185. 9

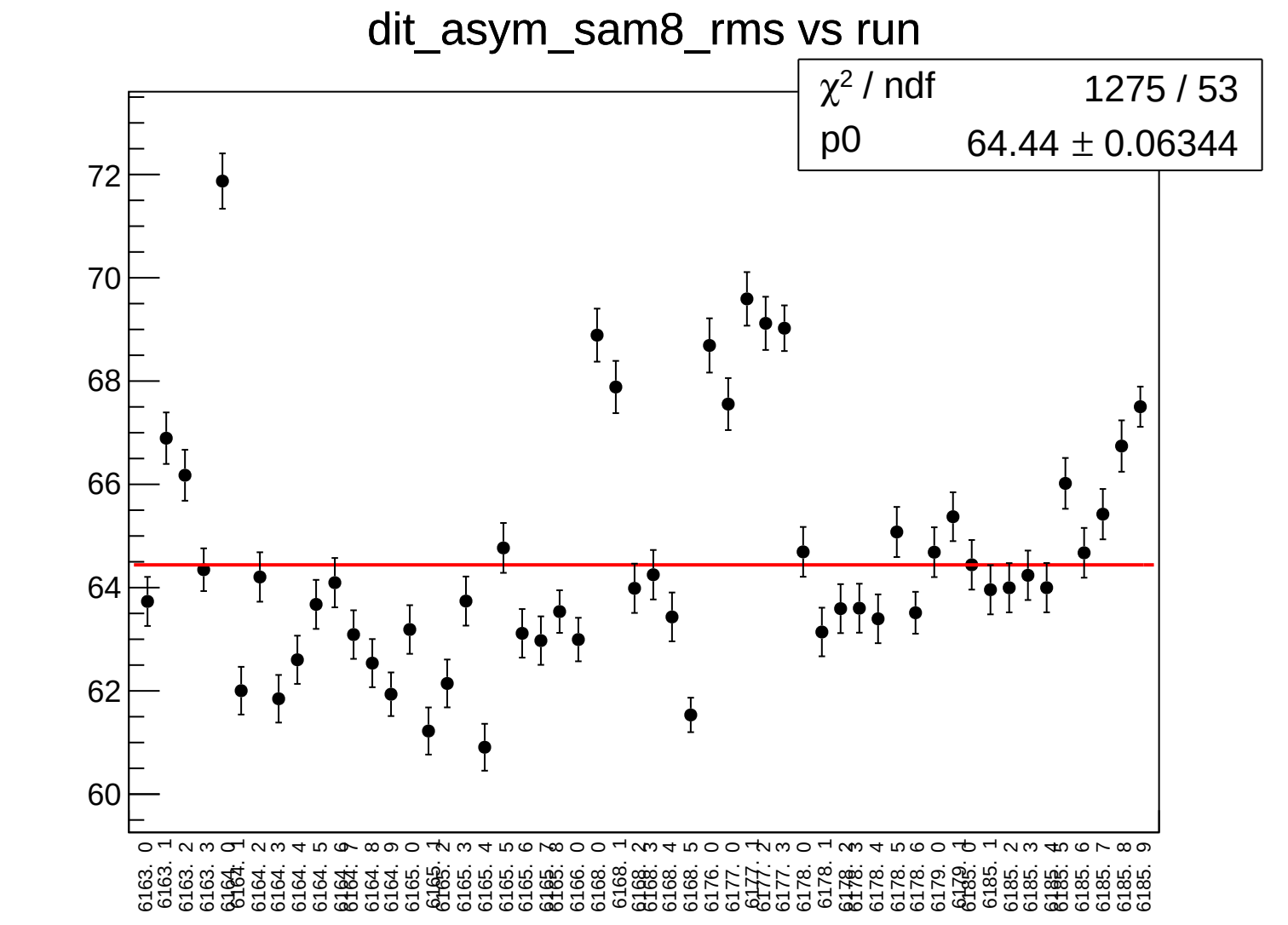

asym_sam8_eigen_cor_correction_mean vs run
χ² / ndf 61.72 / 53
p0 1678 ± 762
pull
Entries 54
Mean 11.15
Std Dev 14.84

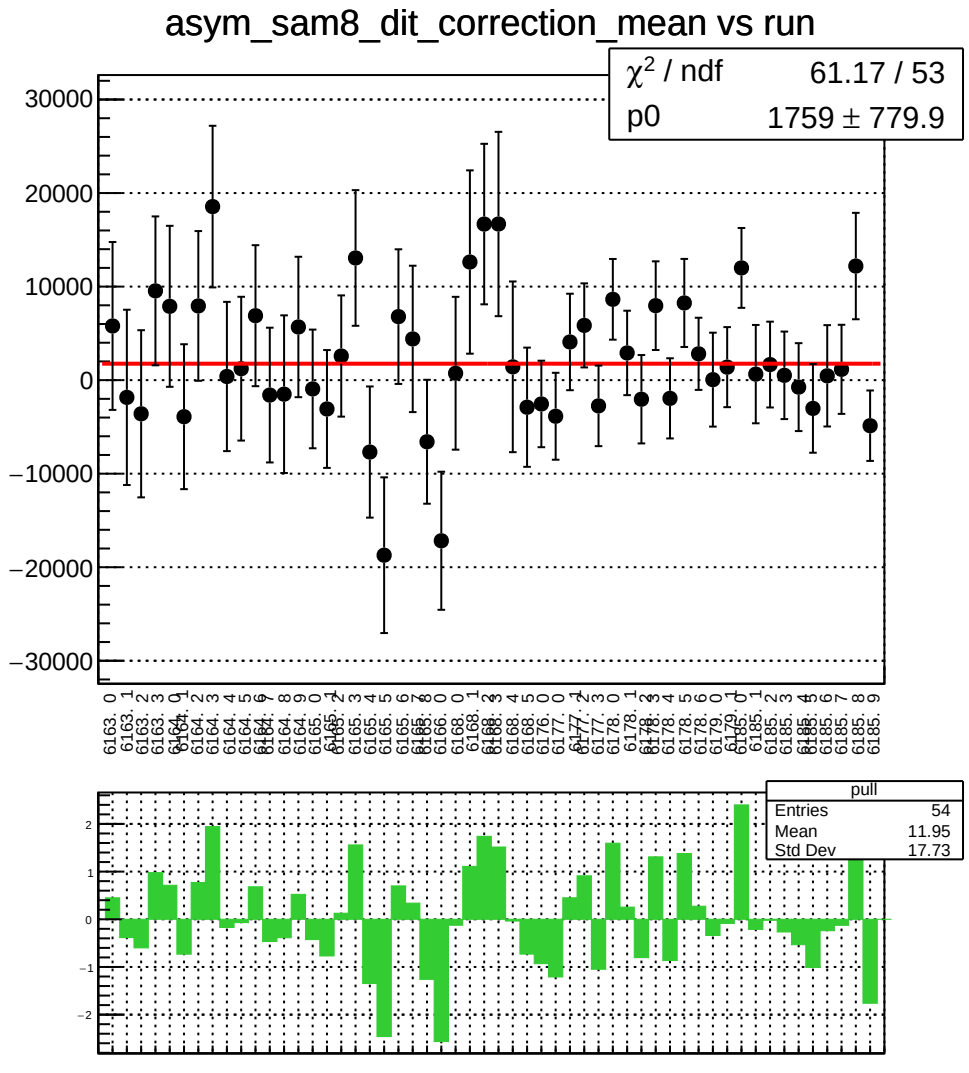

pull1D
Entries 54
Mean 0.03366
Std Dev 1.069

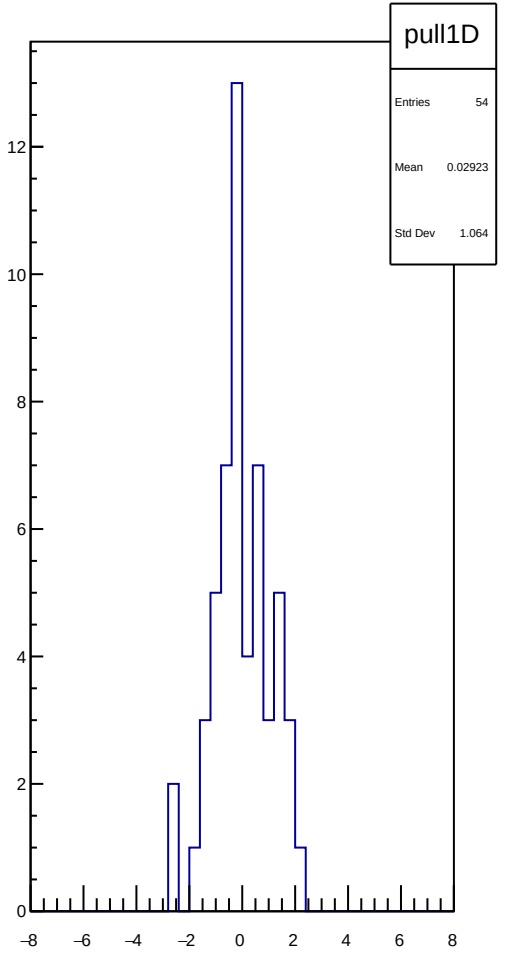

asym_sam8_eigen_cor_correction_rms vs run
χ² / ndf 7.969e+04 / 53
p0 526.1 ± 0.5388
900
800
700
600
500
400
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

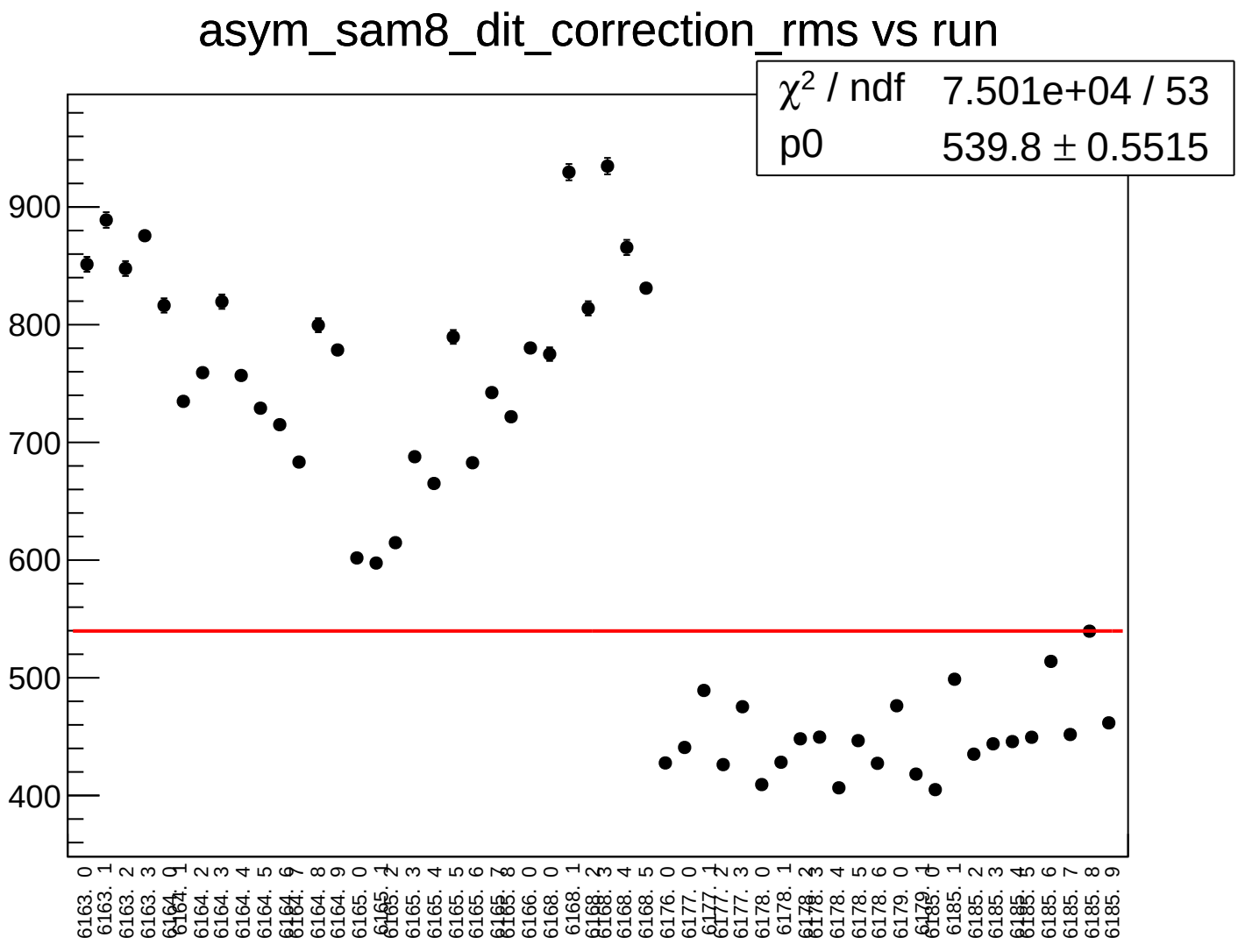

dit_asym_sam8_mean vs run
χ² / ndf 59.18 / 53
p0 −211.3 ± 89.72
2000
1000
0
−1000
−2000
pull
Entries 54
Mean 1731
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

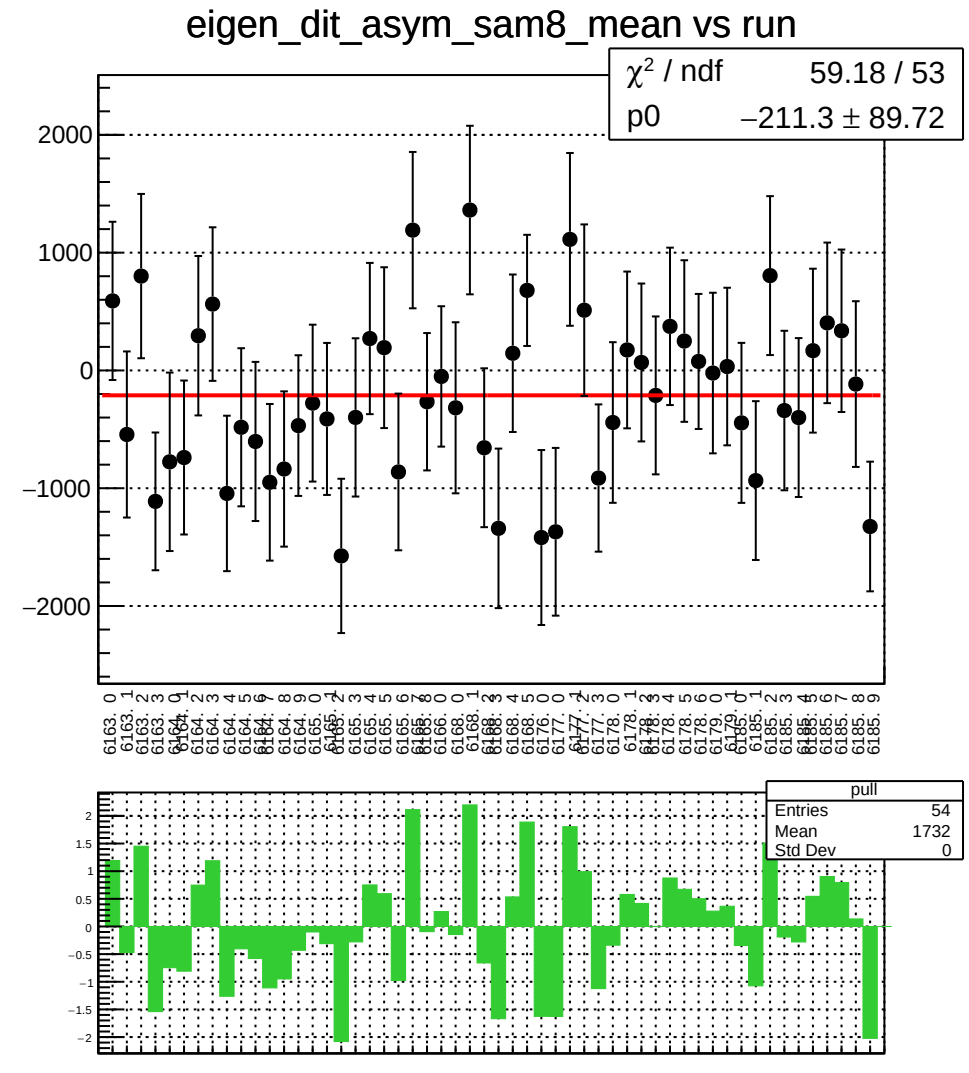

pull1D
Entries 54
Mean 0.001132
Std Dev 1.047
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

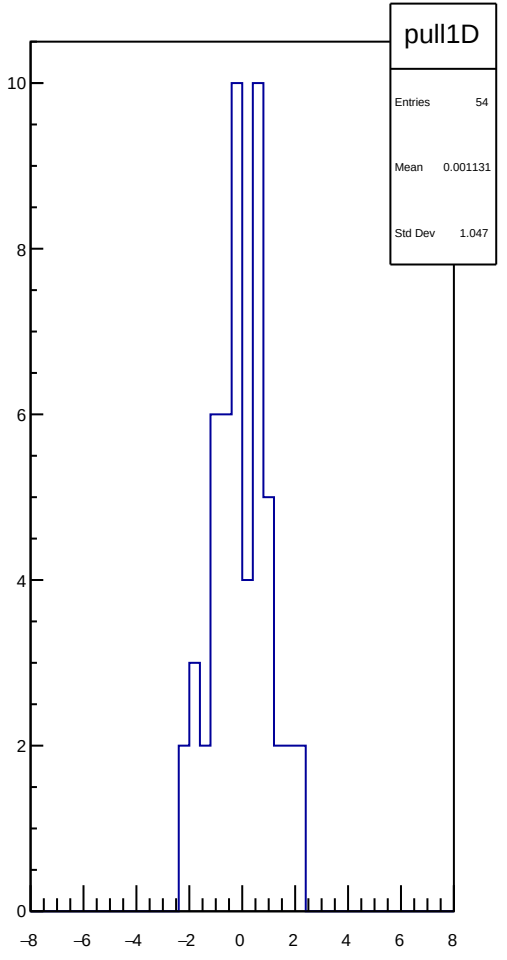

dit_asym_sam8_rms vs run
χ² / ndf 1275 / 53
p0 64.44 ± 0.06344
72
70
68
66
64
62
60
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

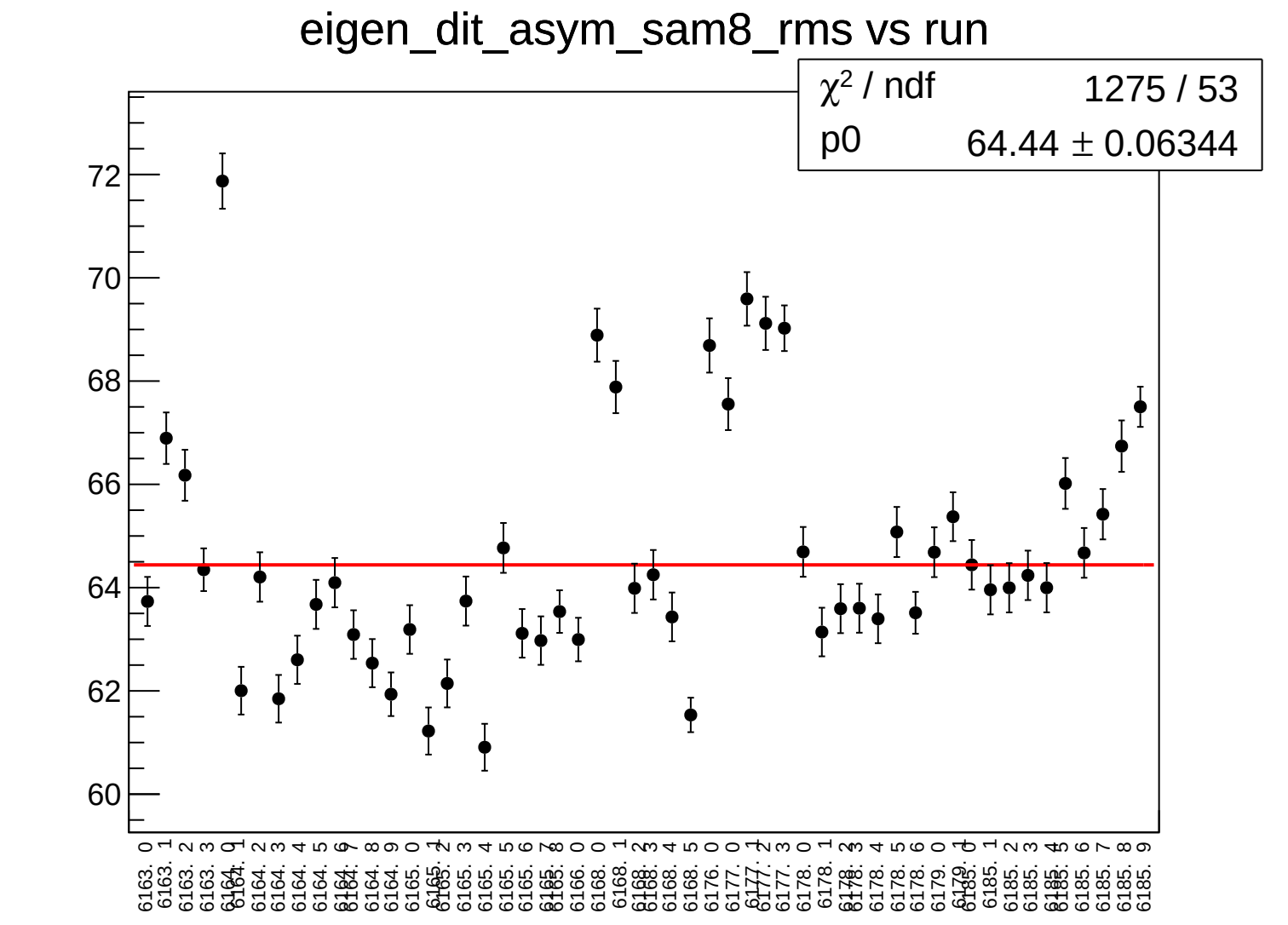

asym_sam8_dit_correction_mean vs run
χ² / ndf 61.17 / 53
p0 1759 ± 779.9
pull
Entries 54
Mean 11.95
Std Dev 17.73

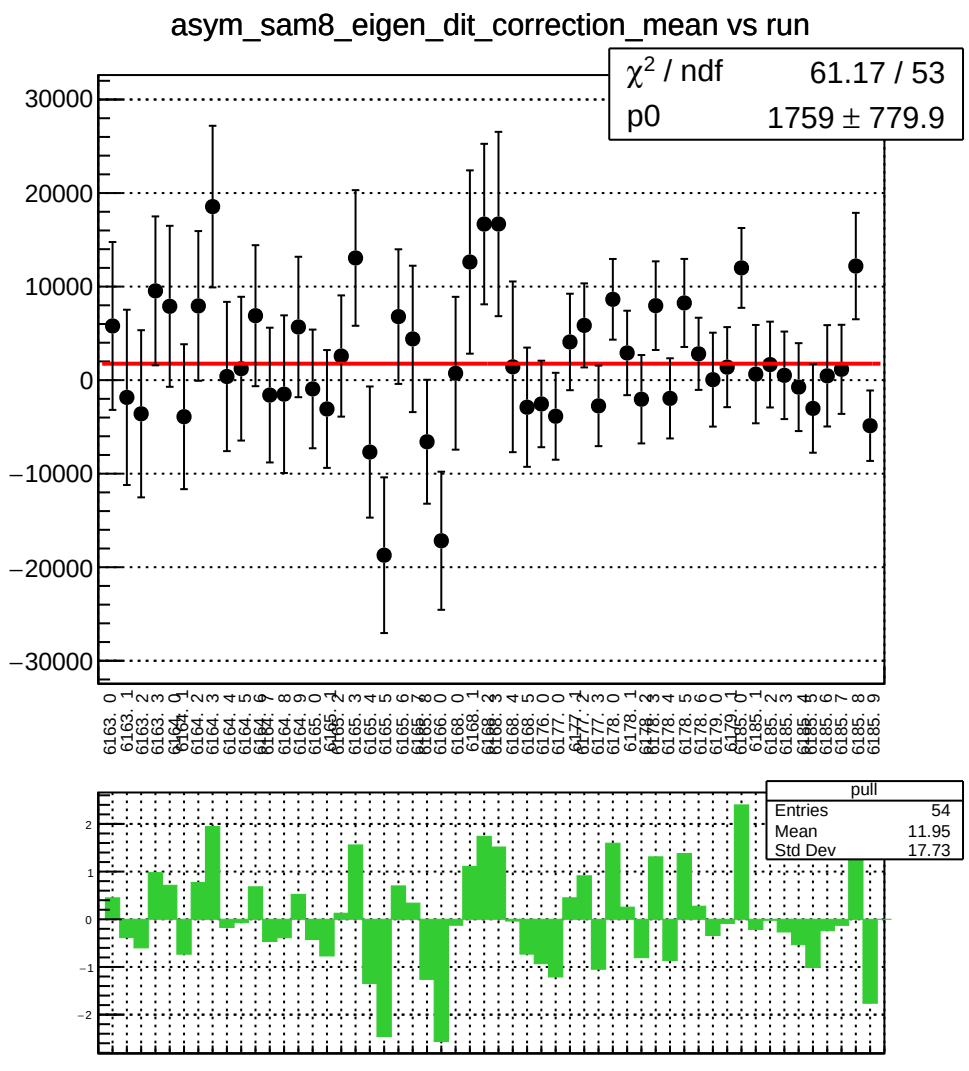

pull1D
Entries 54
Mean 0.02923
Std Dev 1.064

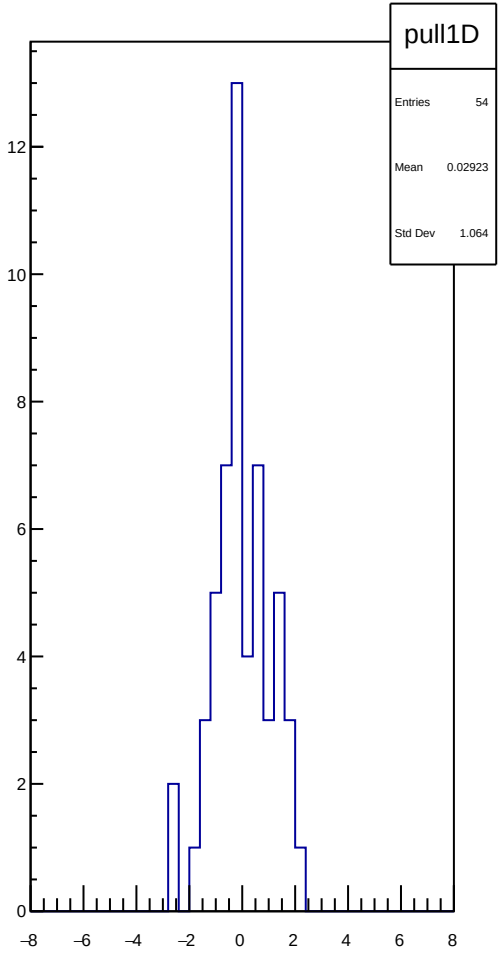

asym_sam8_dit_correction_rms vs run
χ² / ndf 7.501e+04 / 53
p0 539.8 ± 0.5515
900
800
700
600
500
400
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

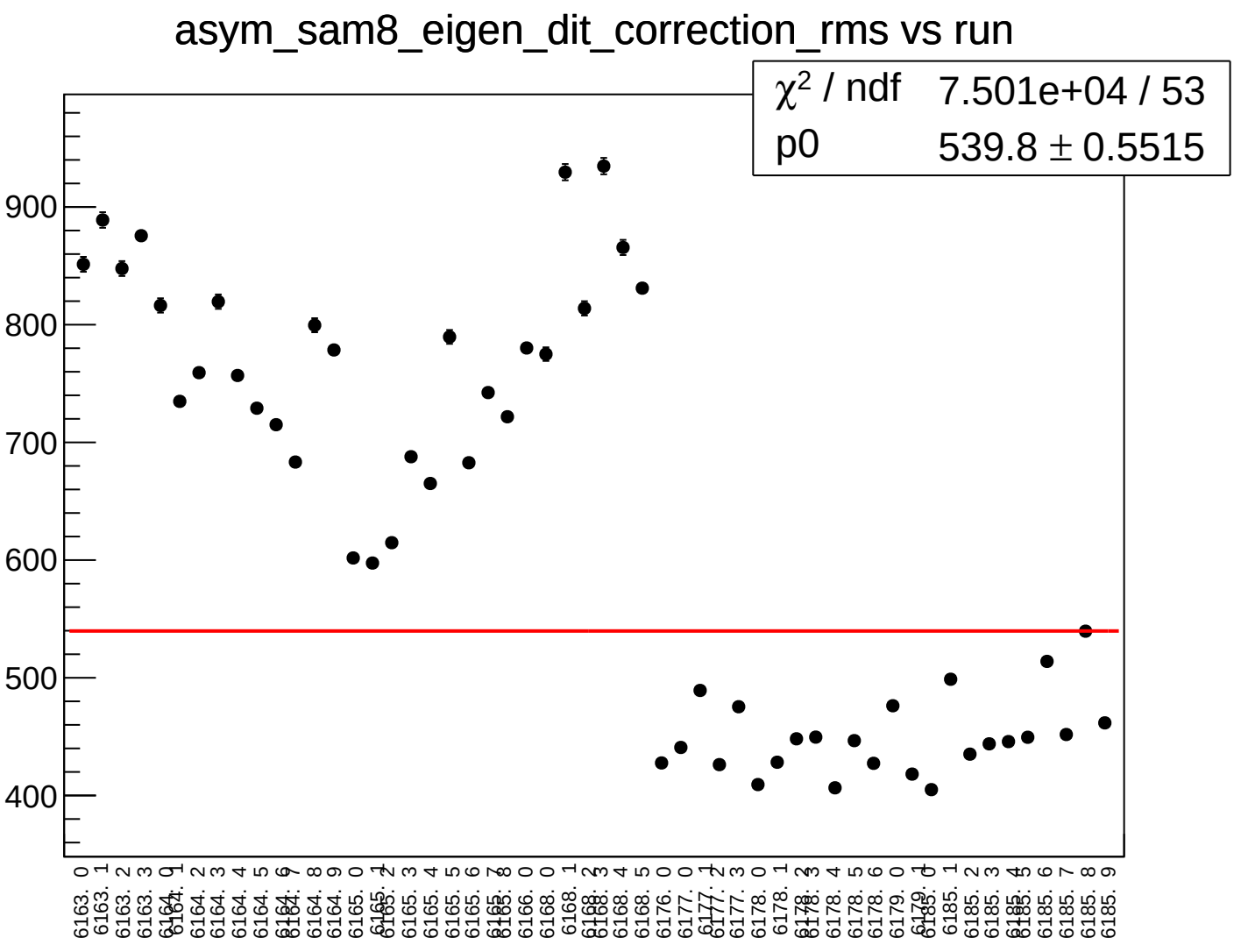

eigen_dit_asym_sam8_mean vs run
χ² / ndf 59.18 / 53
p0 −211.3 ± 89.72
2000
1000
0
−1000
−2000
pull
Entries 54
Mean 1732
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

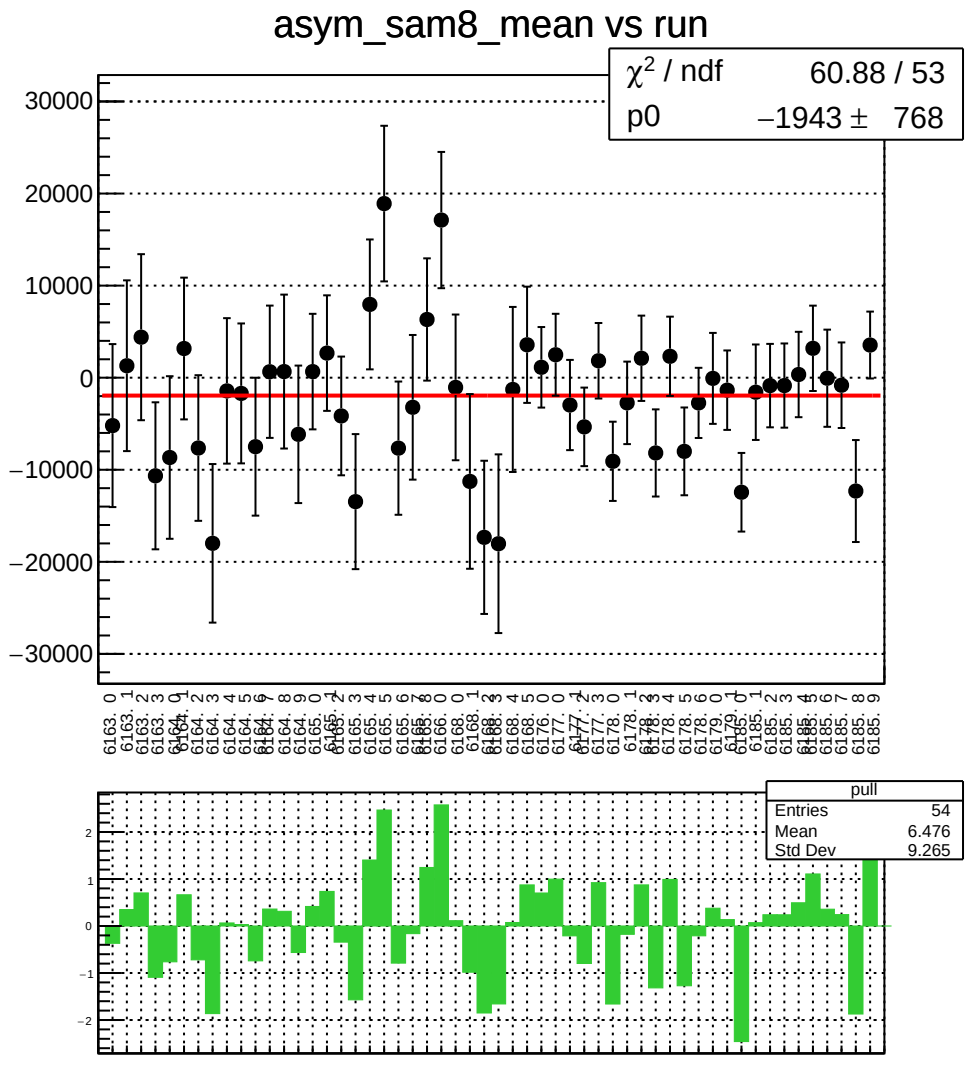

pull1D
Entries 54
Mean 0.001131
Std Dev 1.047
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

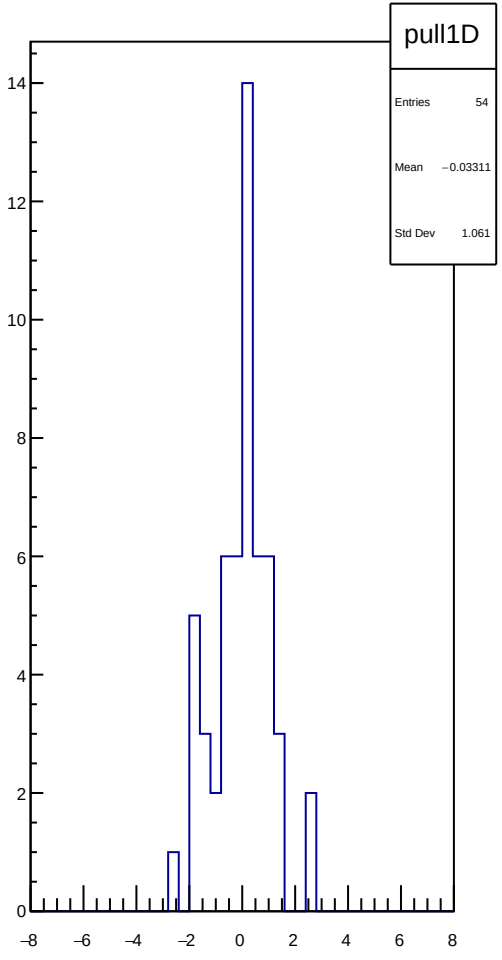

eigen_dit_asym_sam8_rms vs run
χ^2 / ndf 1275 / 53
p0 64.44 ± 0.06344
72
70
68
66
64
62
60
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

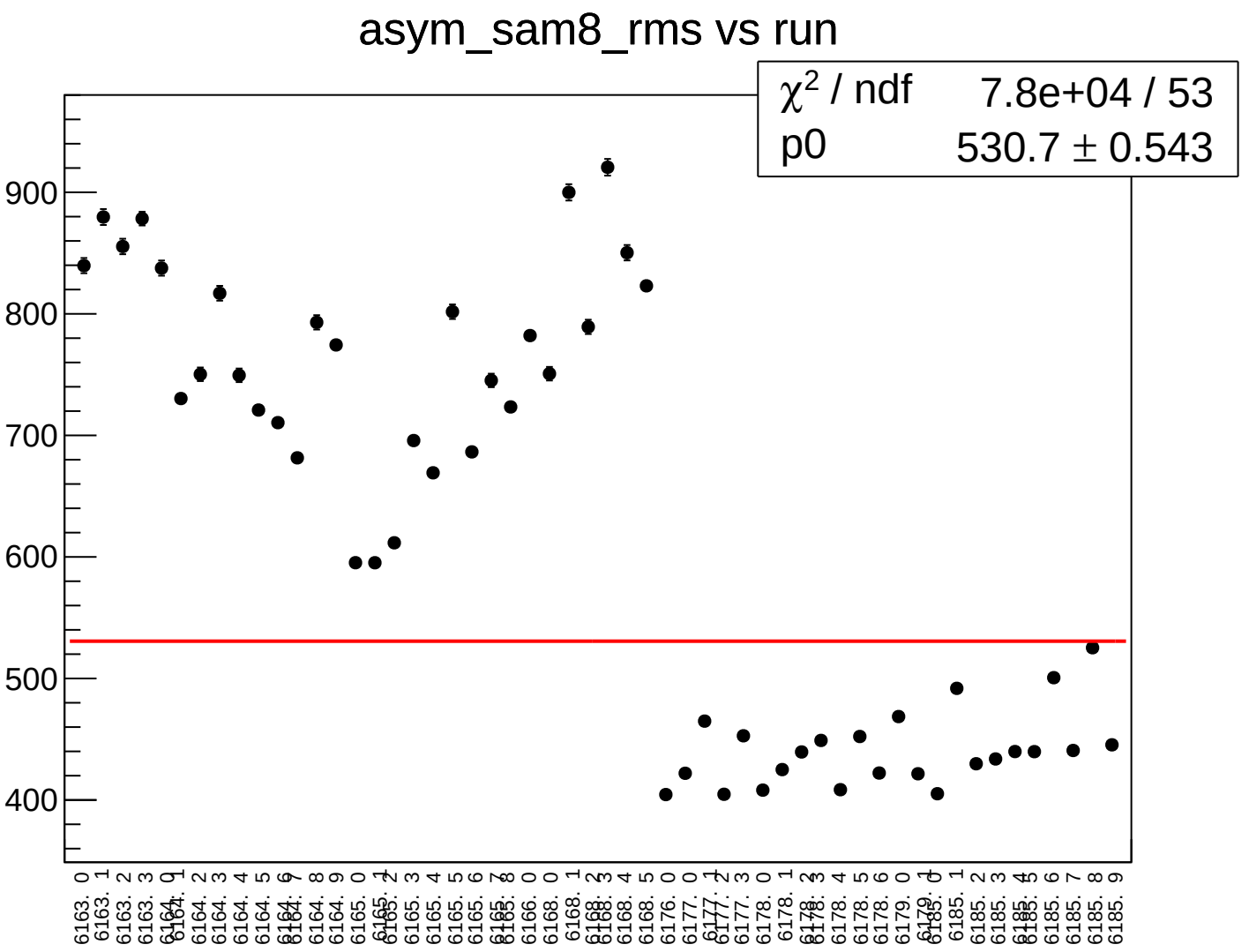

asym_sam8_eigen_dit_correction_mean vs run
χ² / ndf 61.17 / 53
p0 1759 ± 779.9
pull
Entries 54
Mean 11.95
Std Dev 17.73

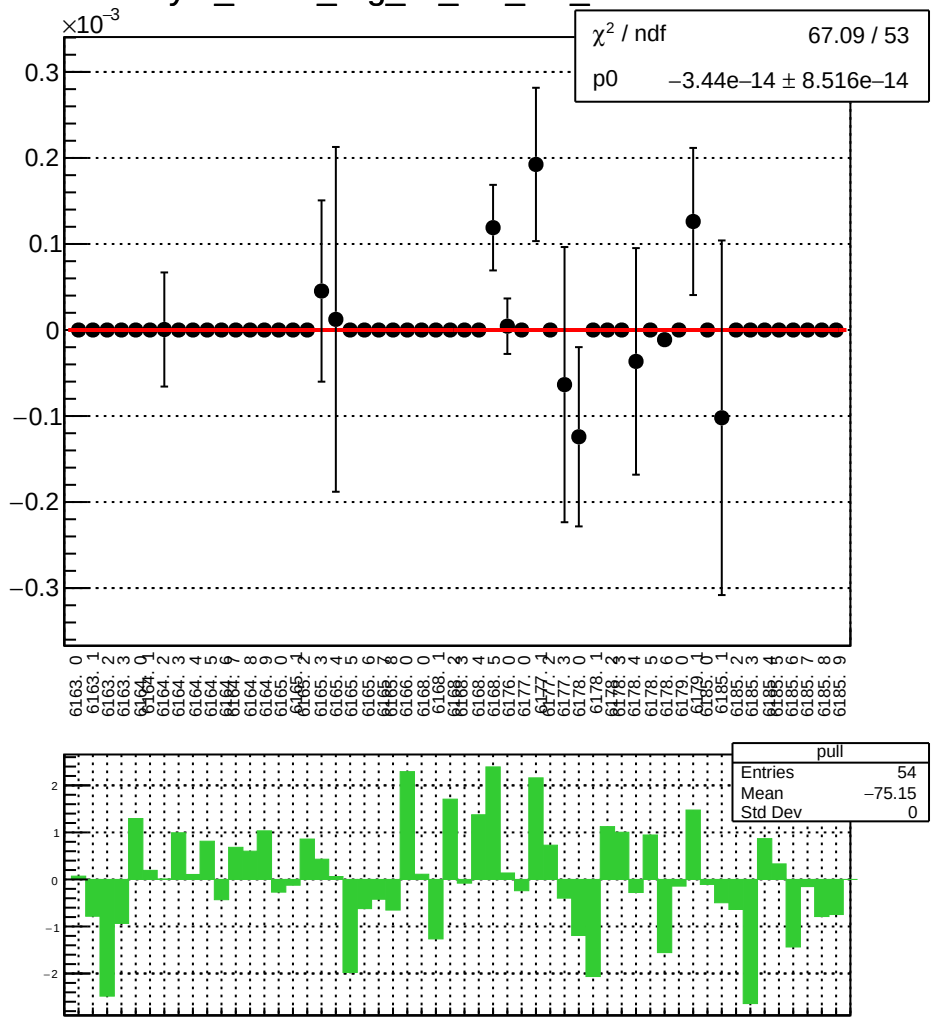

pull1D
Entries 54
Mean 0.02923
Std Dev 1.064

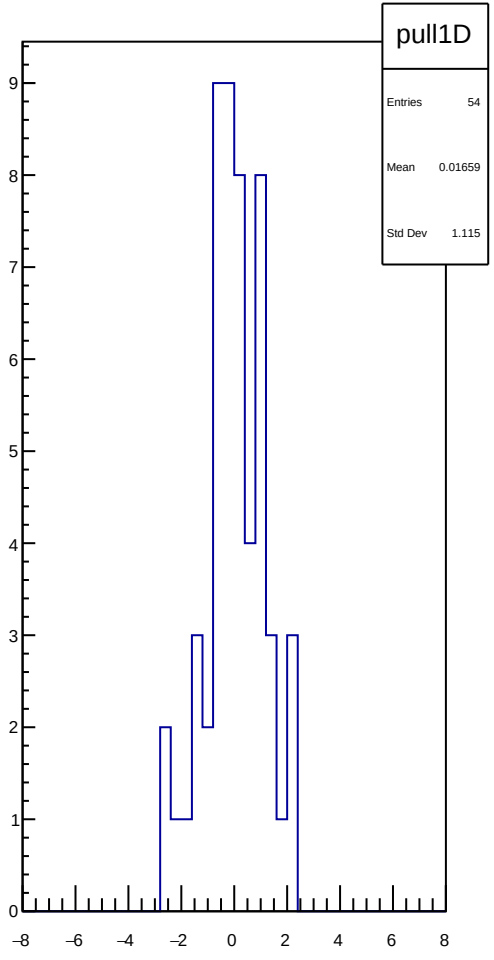

asym_sam8_eigen_dit_correction_rms vs run
χ² / ndf 7.501e+04 / 53
p0 539.8 ± 0.5515
900
800
700
600
500
400
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

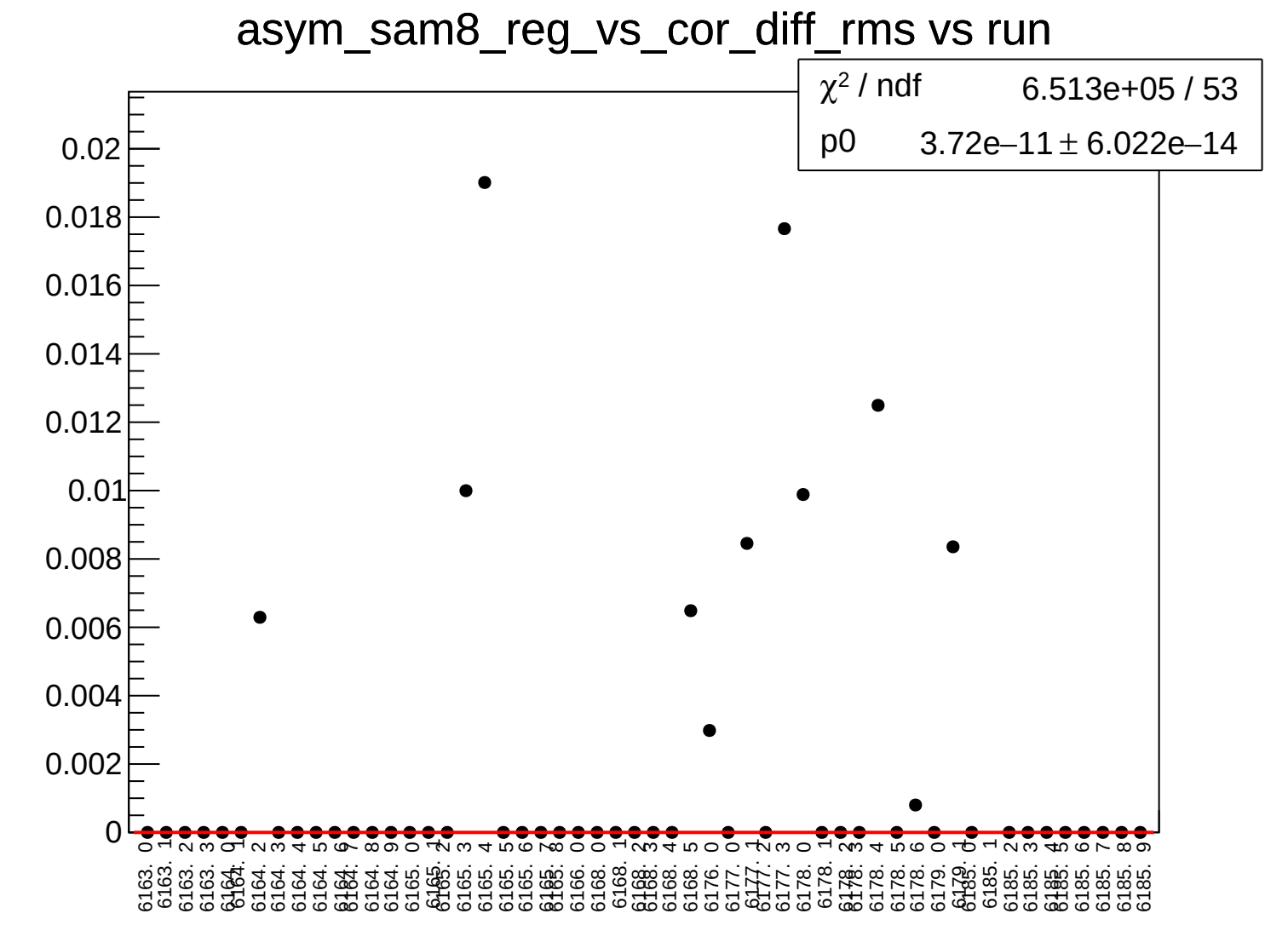

asym_sam8_mean vs run
χ² / ndf 60.88 / 53
p0 −1943 ± 768
pull
Entries 54
Mean 6.476
Std Dev 9.265

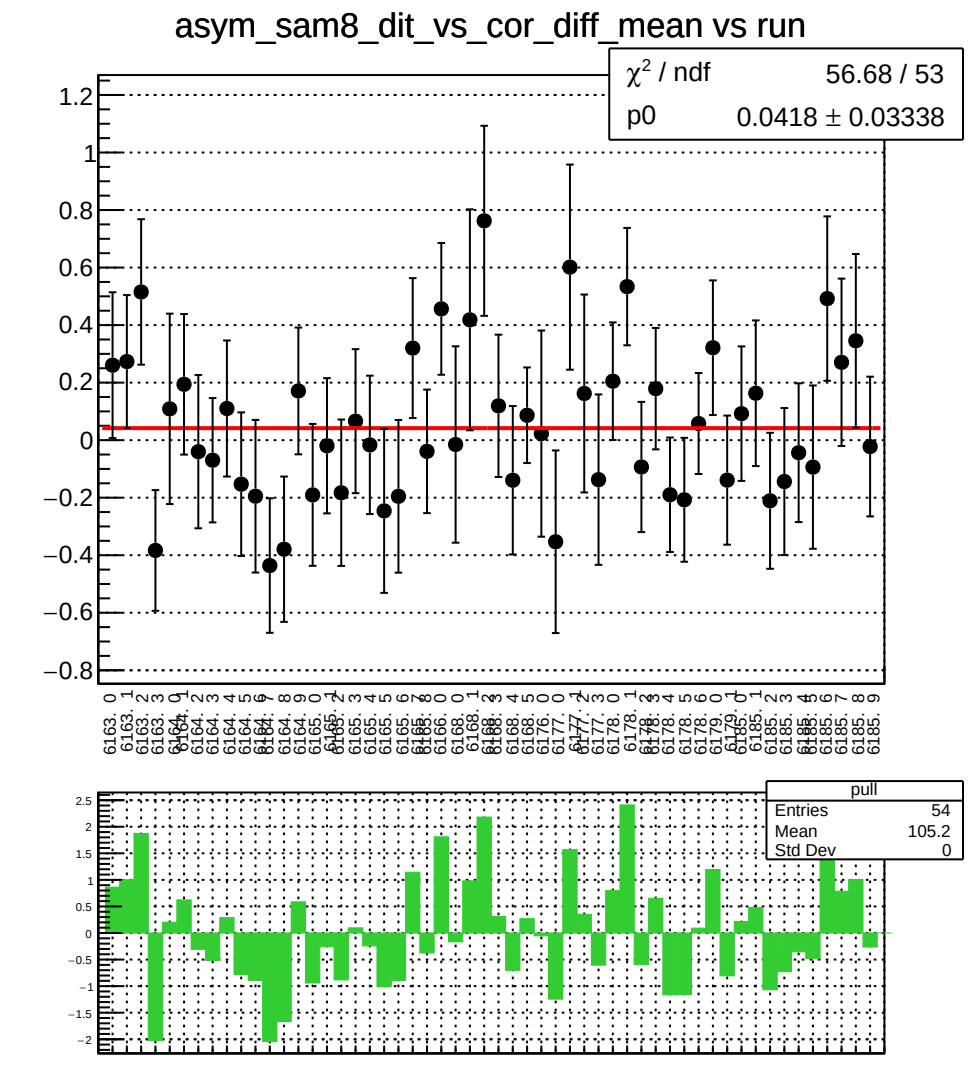

pull1D
Entries 54
Mean −0.03311
Std Dev 1.061

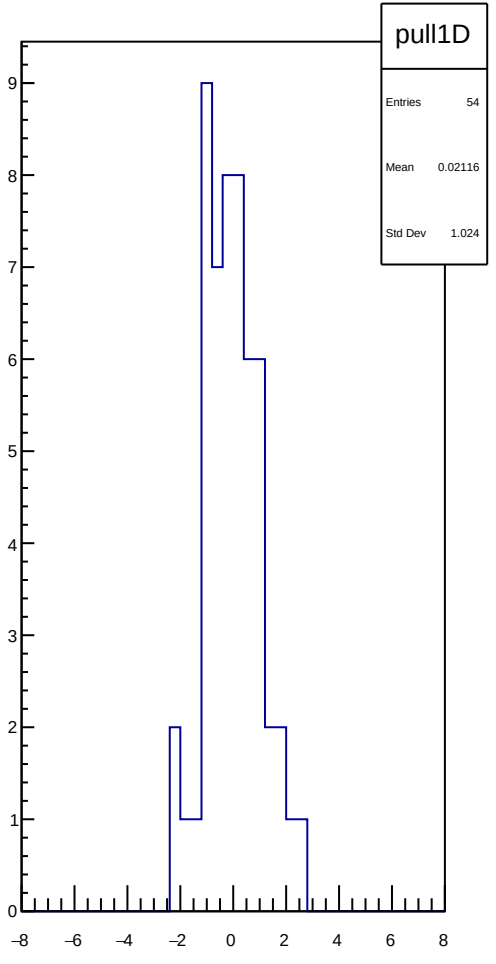

asym_sam8_rms vs run
χ^2 / ndf 7.8e+04 / 53
p0 530.7 ± 0.543
900
800
700
600
500
400
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

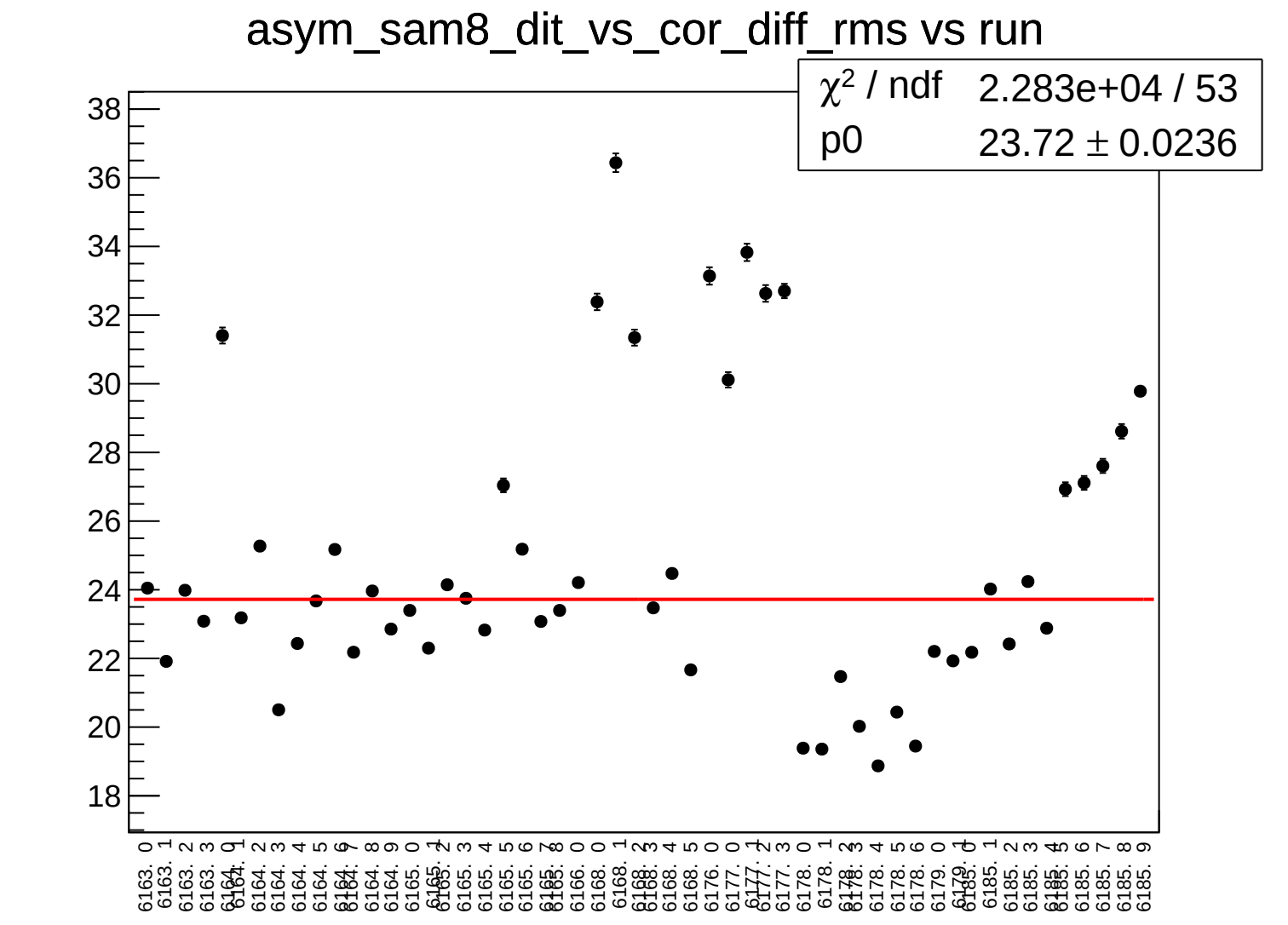

asym_sam8_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 67.09 / 53
p0 −3.44e−14 ± 8.516e−14
pull
Entries 54
Mean −75.15
Std Dev 0

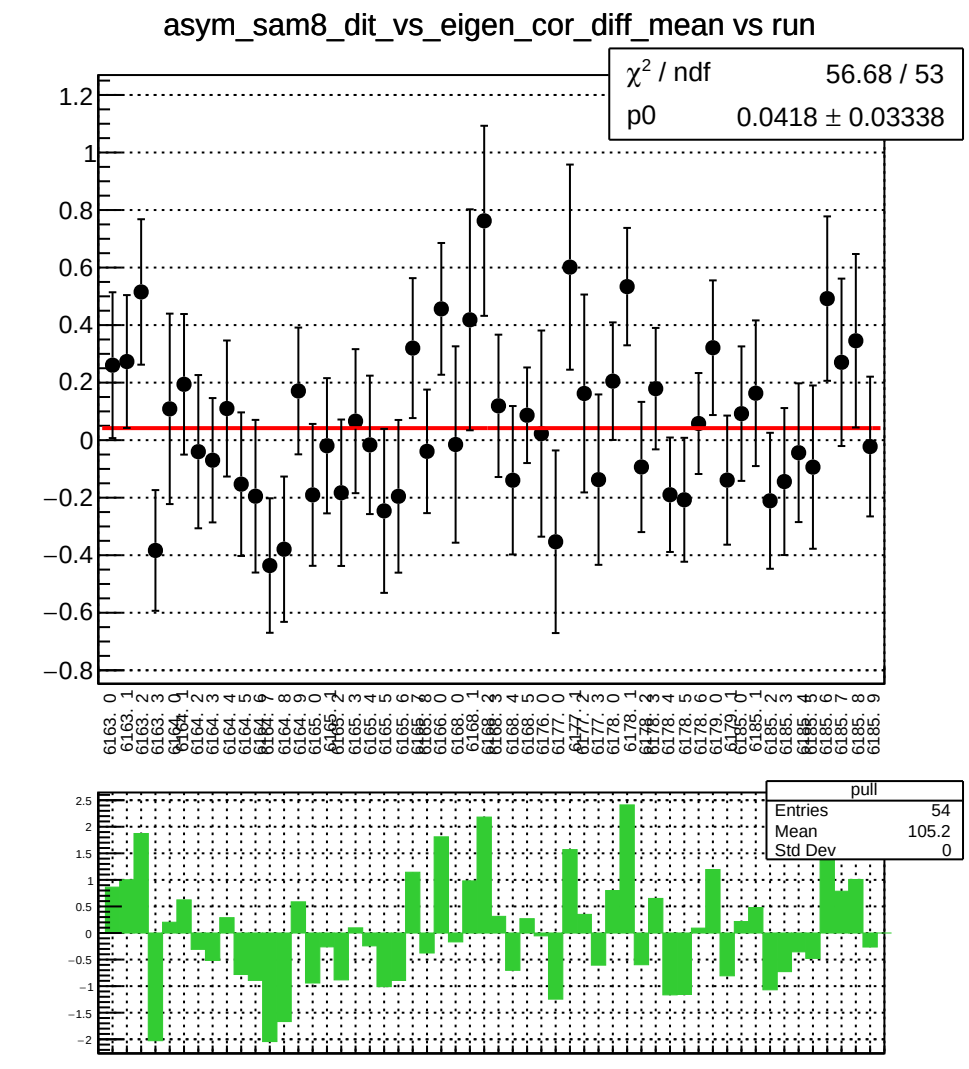

pull1D
Entries 54
Mean 0.01659
Std Dev 1.115

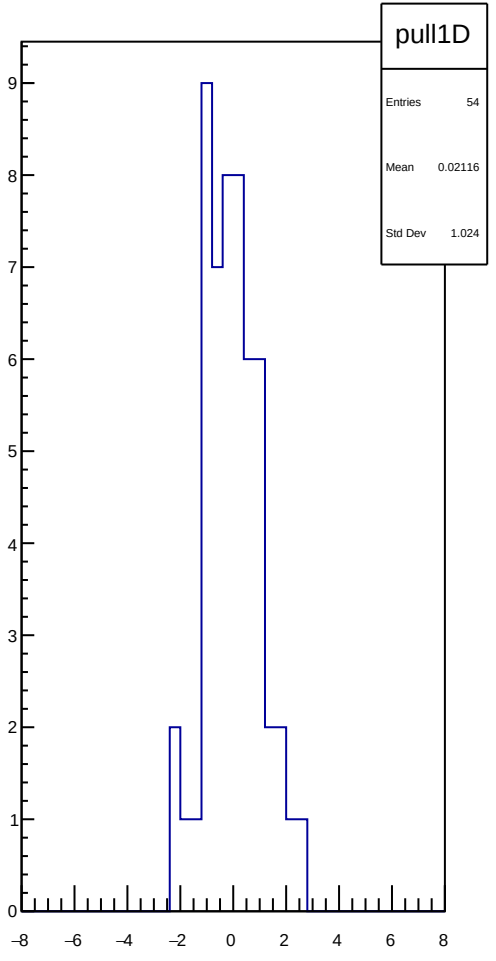

asym_sam8_reg_vs_cor_diff_rms vs run
χ² / ndf 6.513e+05 / 53
p0 3.72e−11 ± 6.022e−14
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

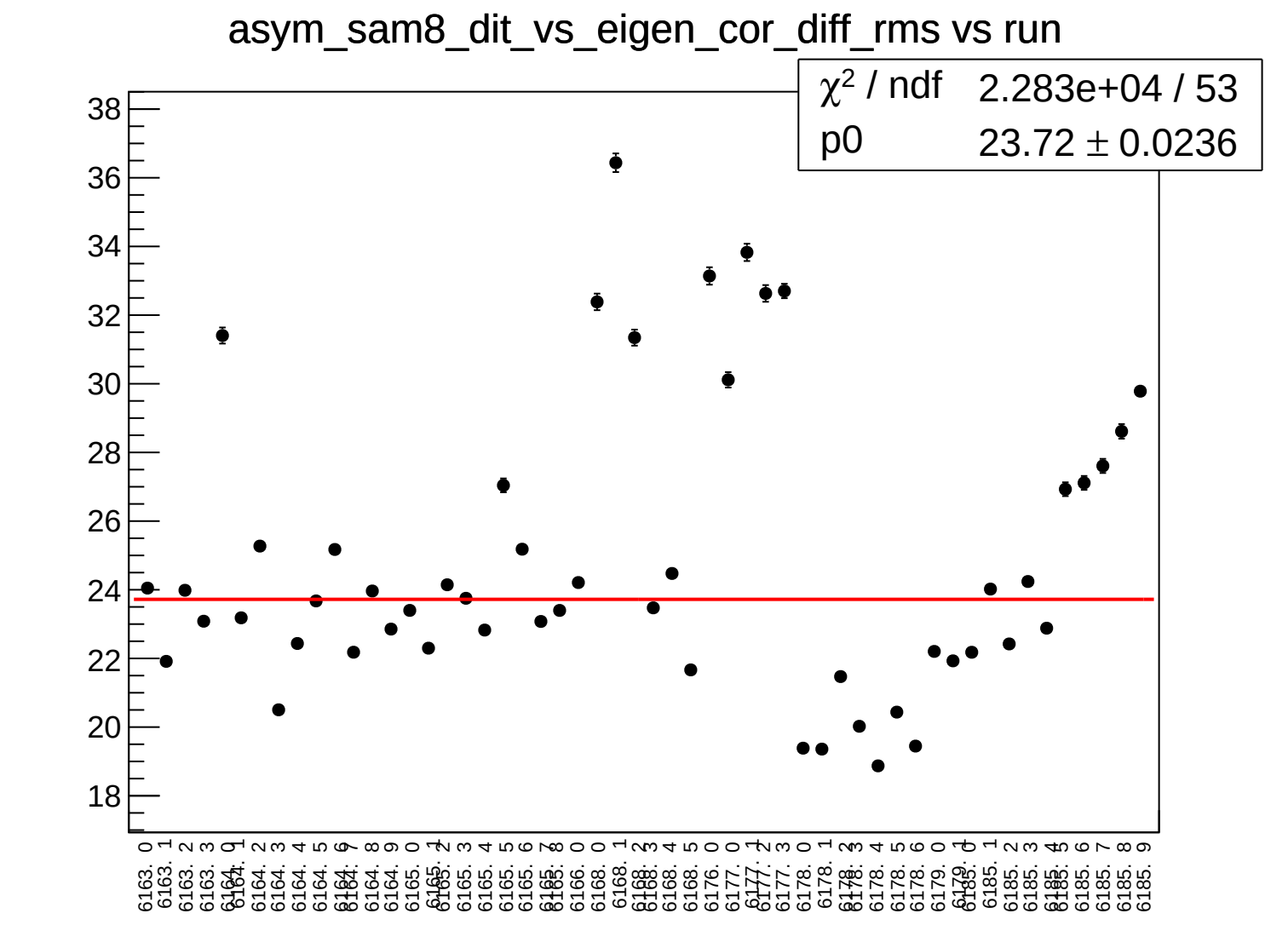

asym_sam8_dit_vs_cor_diff_mean vs run
χ² / ndf 56.68 / 53
p0 0.0418 ± 0.03338
pull
Entries 54
Mean 105.2
Std Dev 0

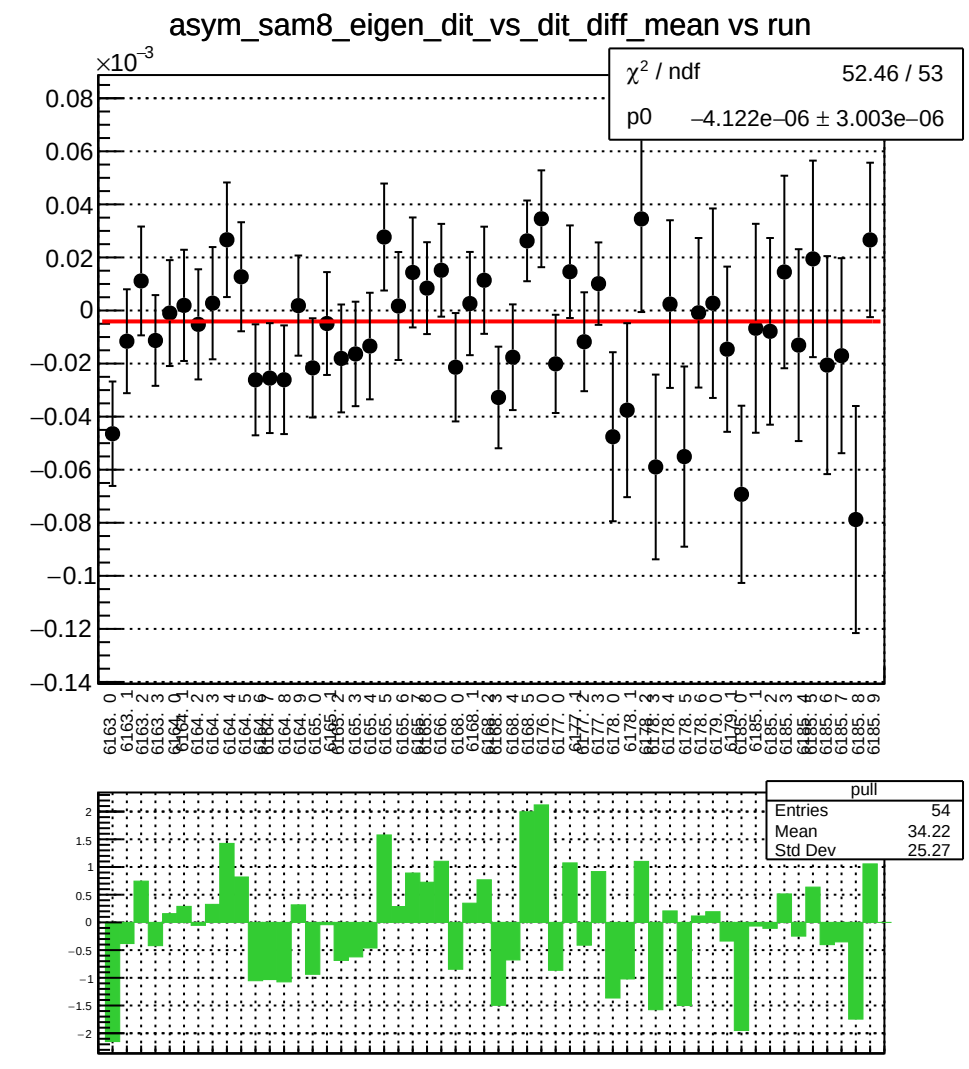

pull1D
Entries 54
Mean 0.02116
Std Dev 1.024

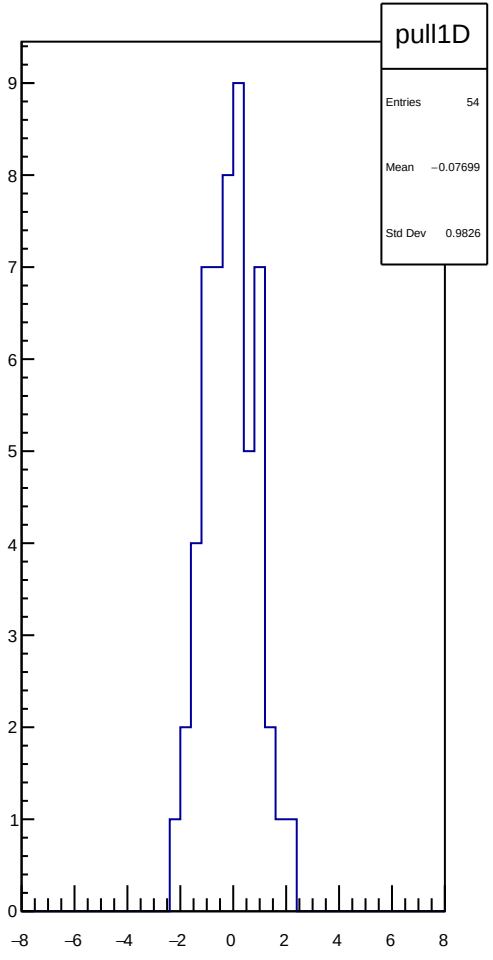

asym_sam8_dit_vs_cor_diff_rms vs run
χ² / ndf 2.283e+04 / 53
p0 23.72 ± 0.0236
38
36
34
32
30
28
26
24
22
20
18
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

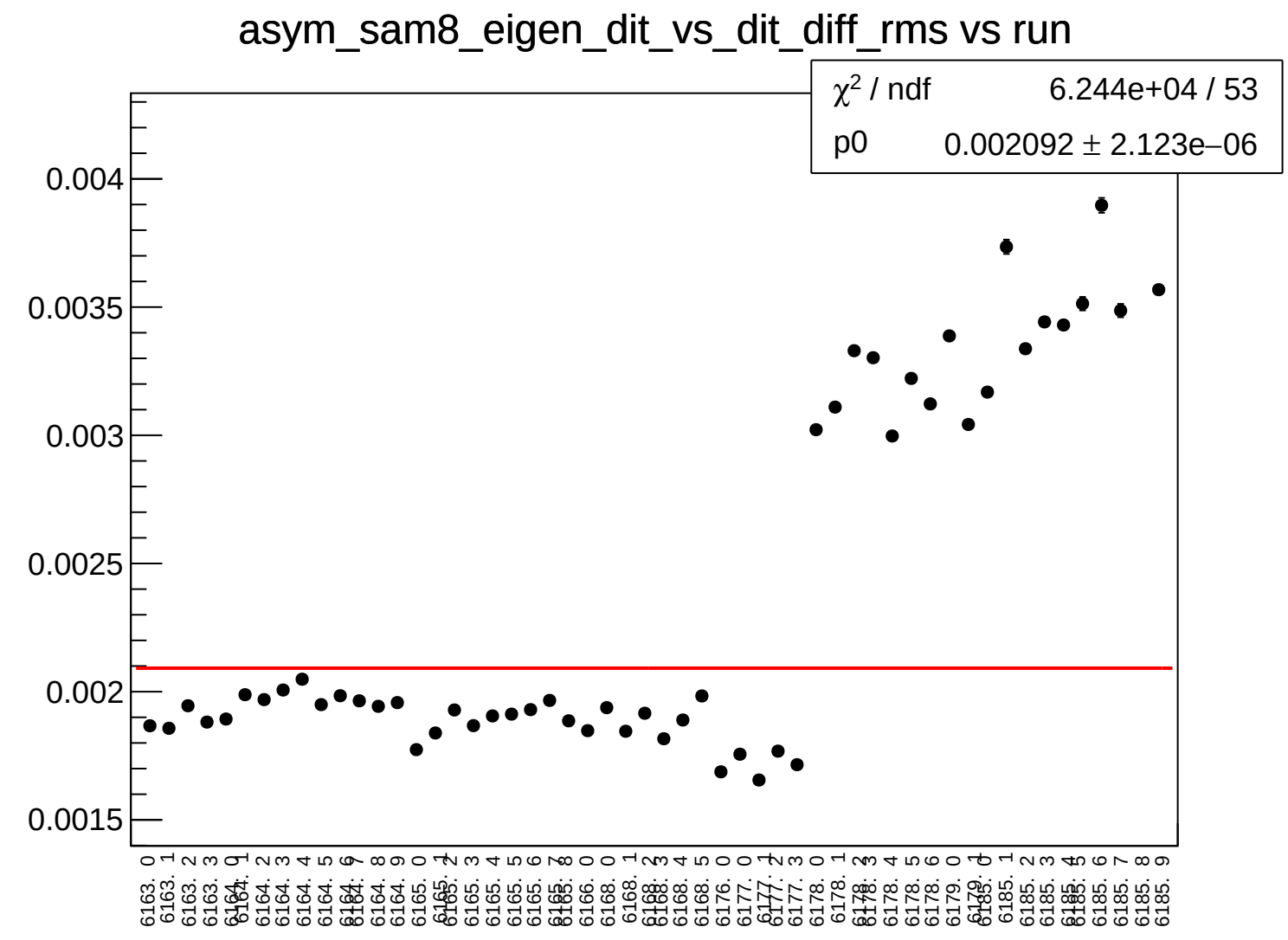

asym_sam8_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 56.68 / 53
p0 0.0418 ± 0.03338
pull
Entries 54
Mean 105.2
Std Dev 0

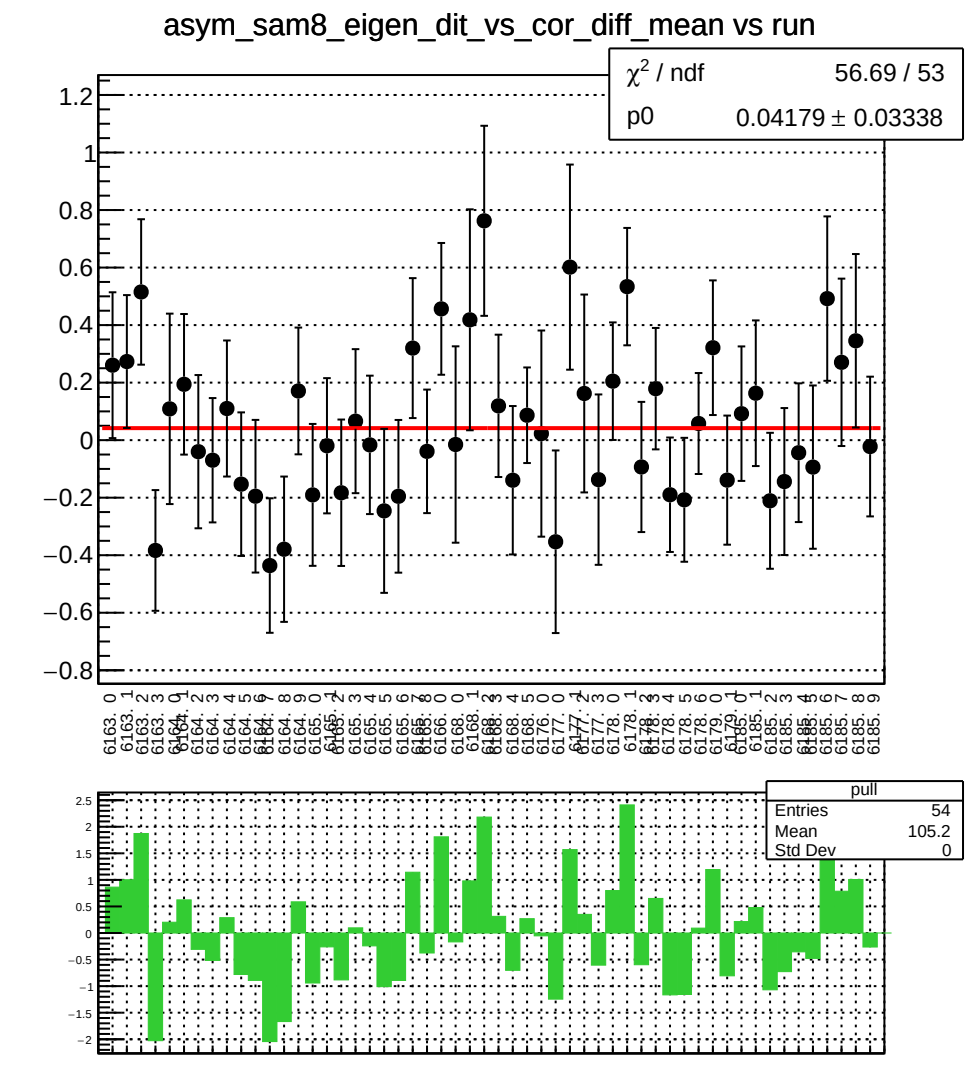

pull1D
Entries 54
Mean 0.02116
Std Dev 1.024

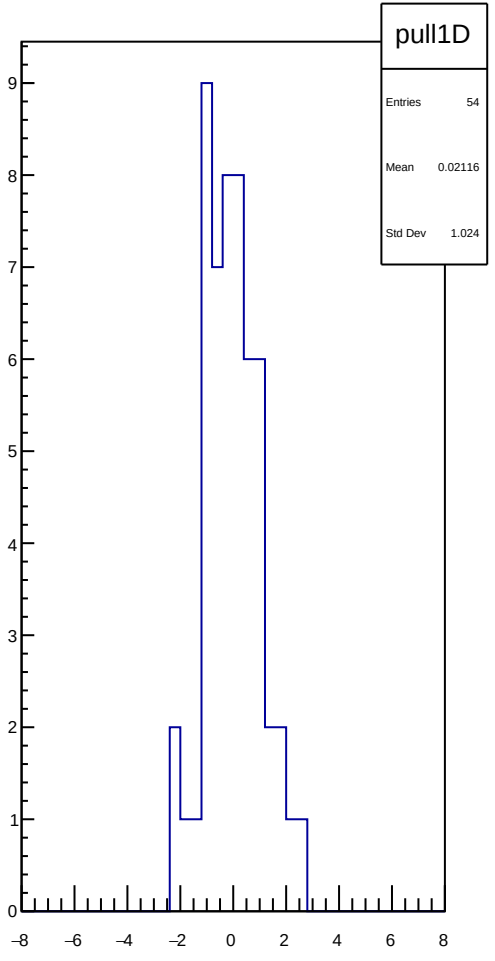

asym_sam8_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.283e+04 / 53
p0 23.72 ± 0.0236
38
36
34
32
30
28
26
24
22
20
18
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

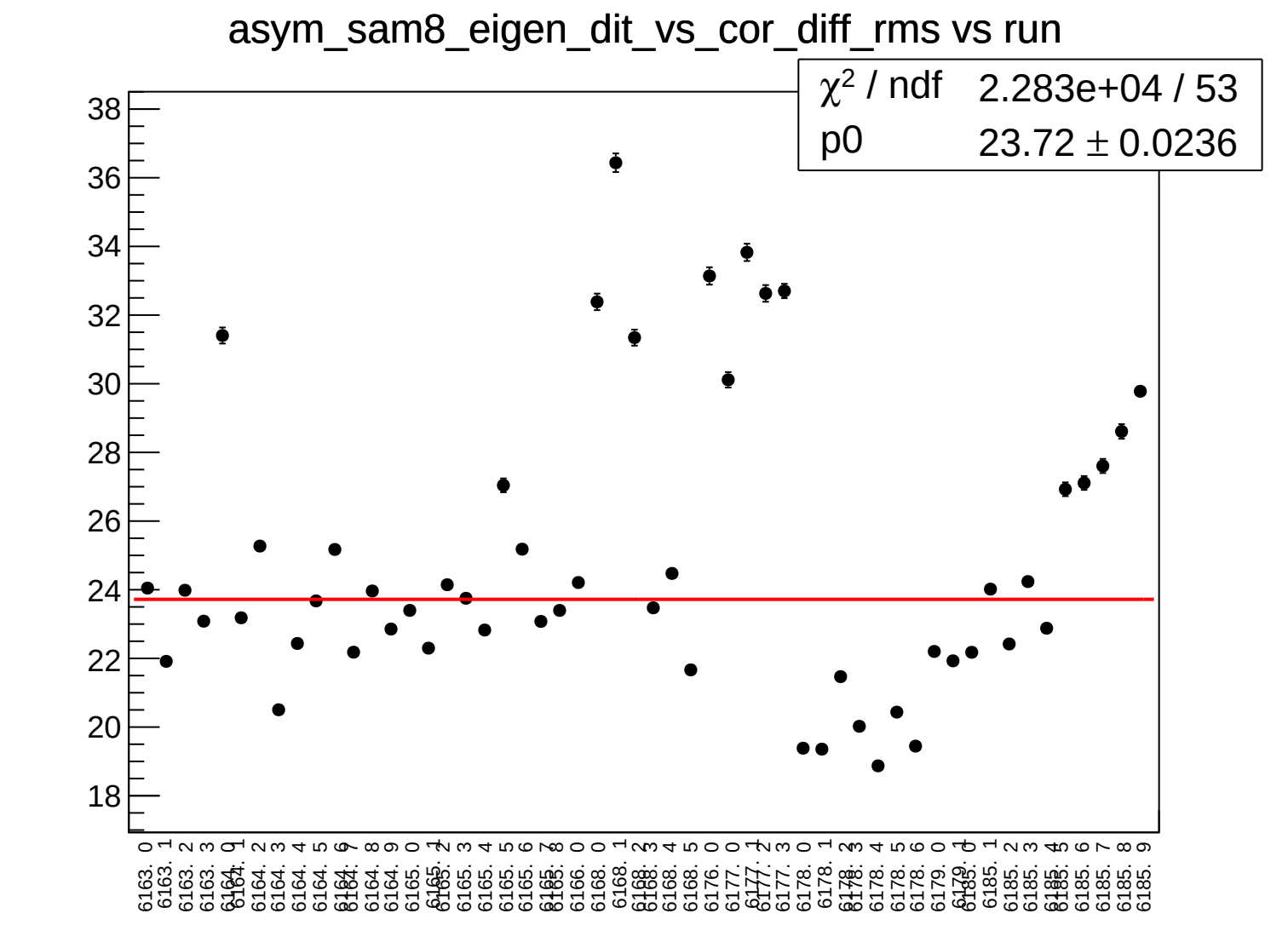

asym_sam8_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 52.46 / 53
p0 −4.122e−06 ± 3.003e−06
pull
Entries 54
Mean 34.22
Std Dev 25.27


pull1D
Entries 54
Mean −0.07699
Std Dev 0.9826


asym_sam8_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 6.244e+04 / 53
p0 0.002092 ± 2.123e−06
0.004
0.0035
0.003
0.0025
0.002
0.0015
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


asym_sam8_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 56.69 / 53
p0 0.04179 ± 0.03338
pull
Entries 54
Mean 105.2
Std Dev 0


pull1D
Entries 54
Mean 0.02116
Std Dev 1.024


asym_sam8_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.283e+04 / 53
p0 23.72 ± 0.0236
38
36
34
32
30
28
26
24
22
20
18
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
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6185. 6
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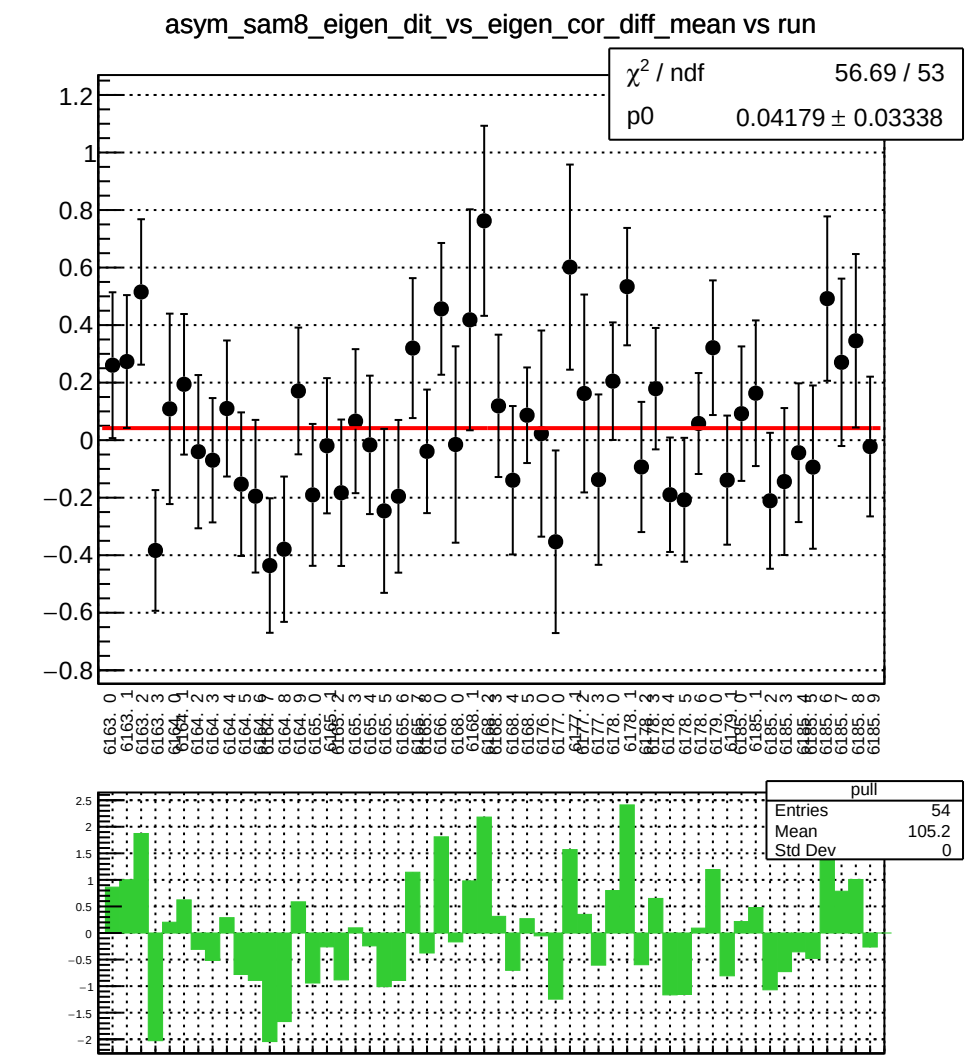
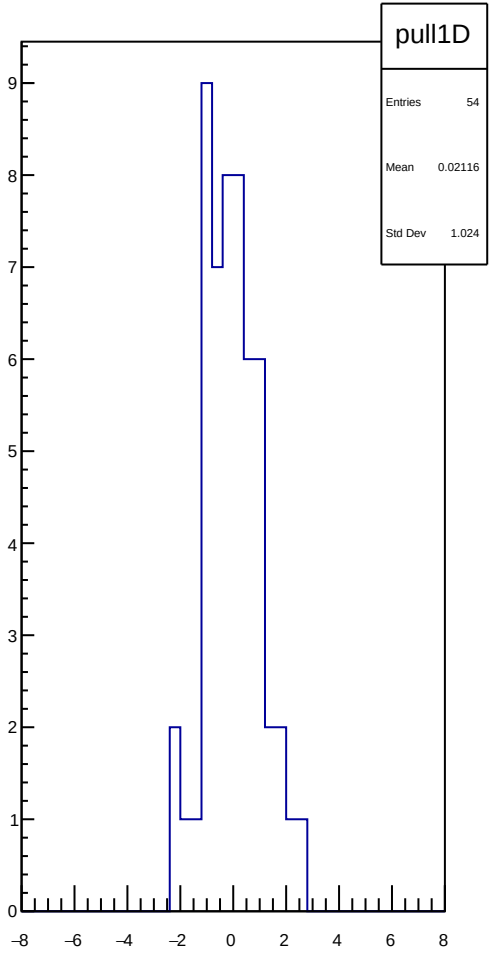
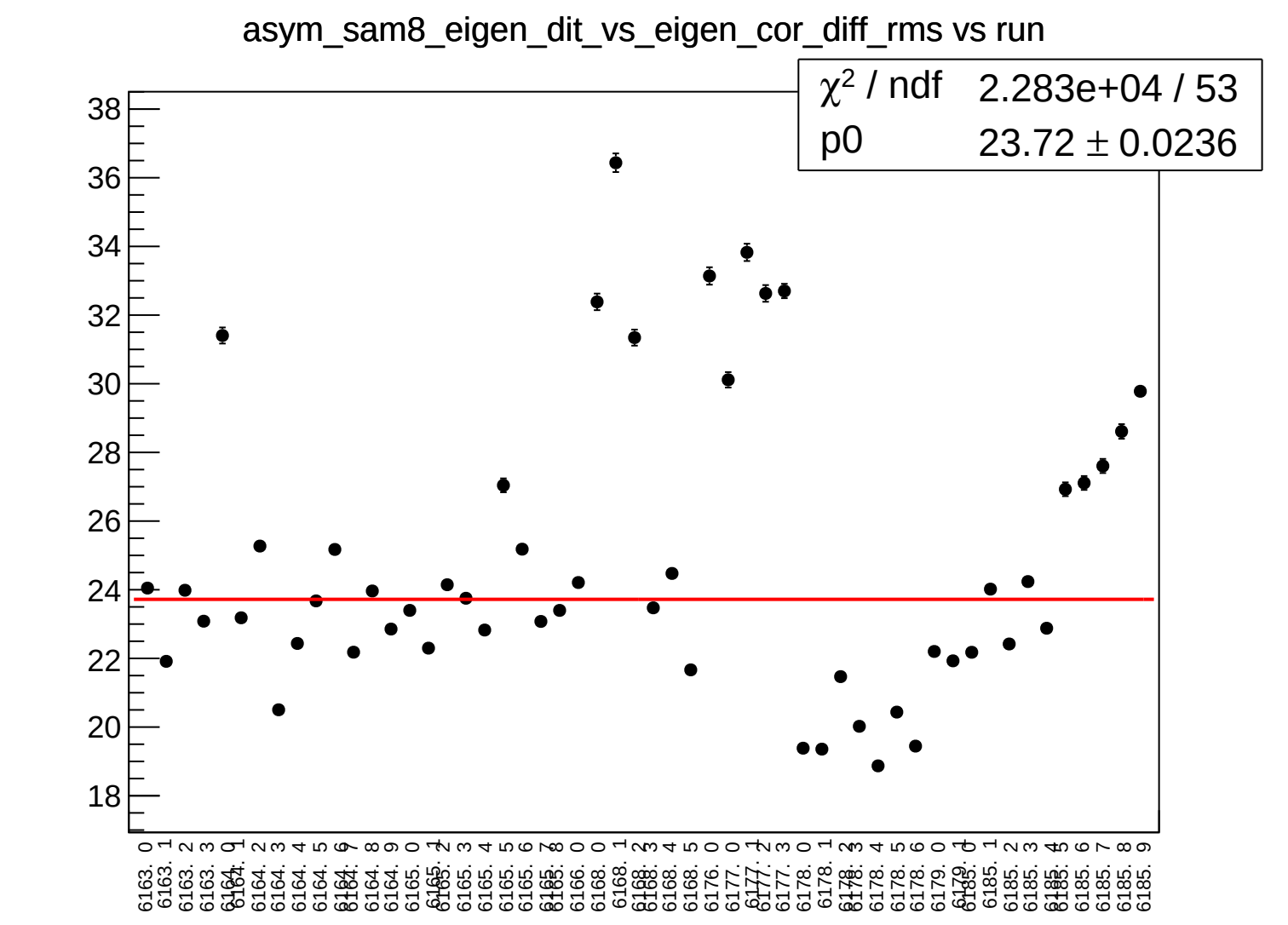
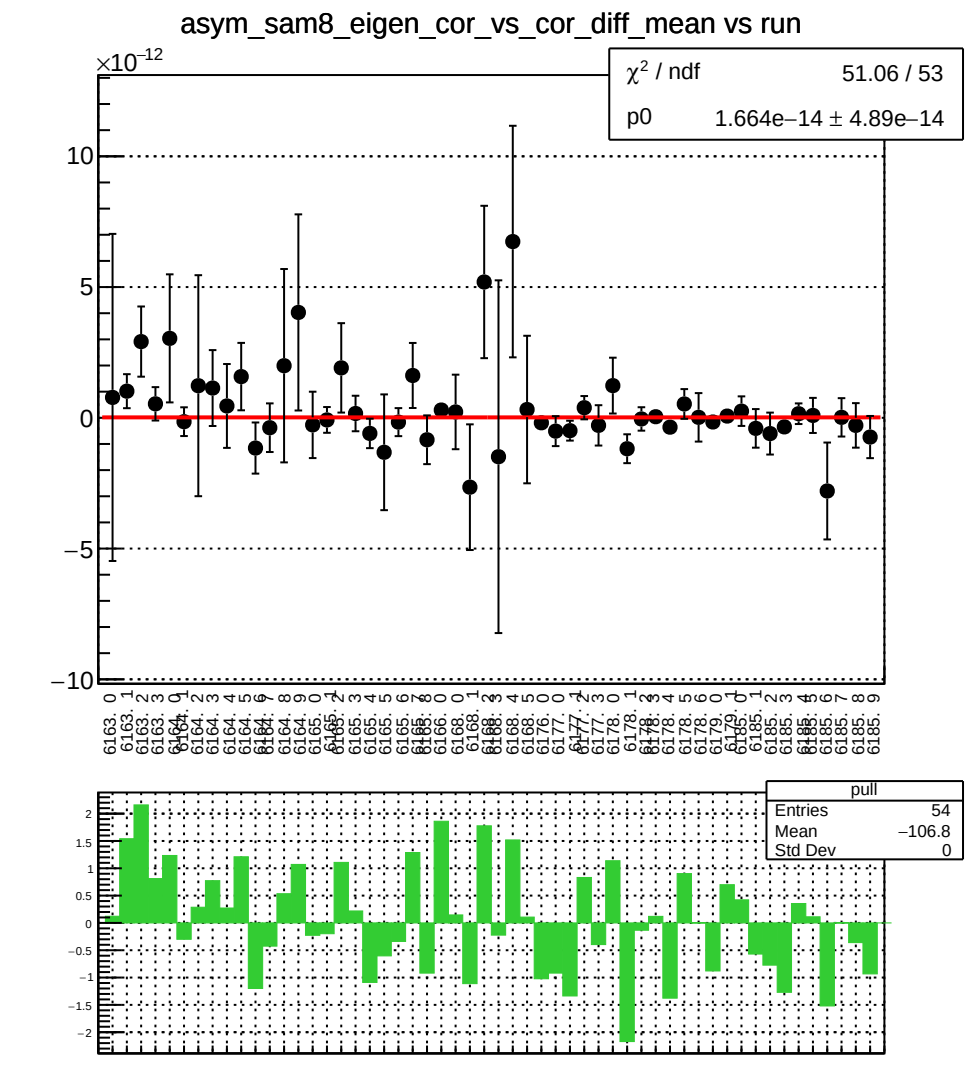
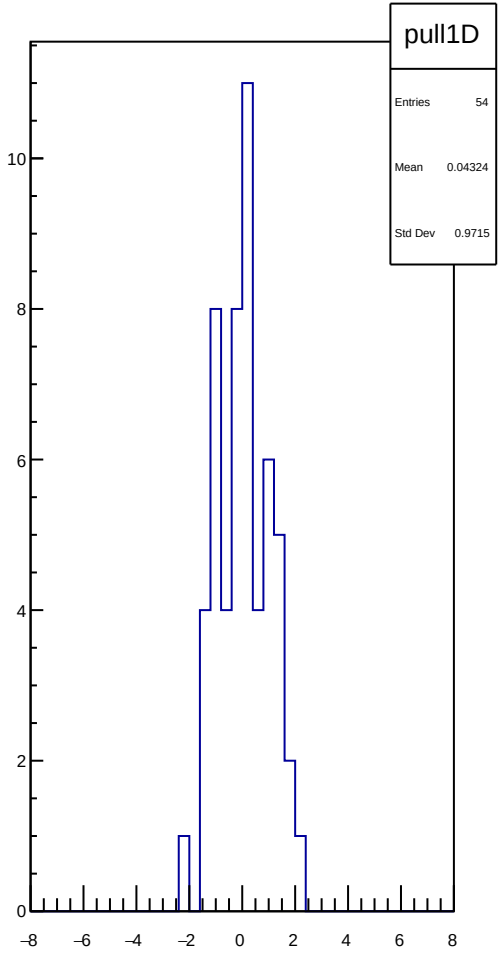
6185. 8
6185. 9

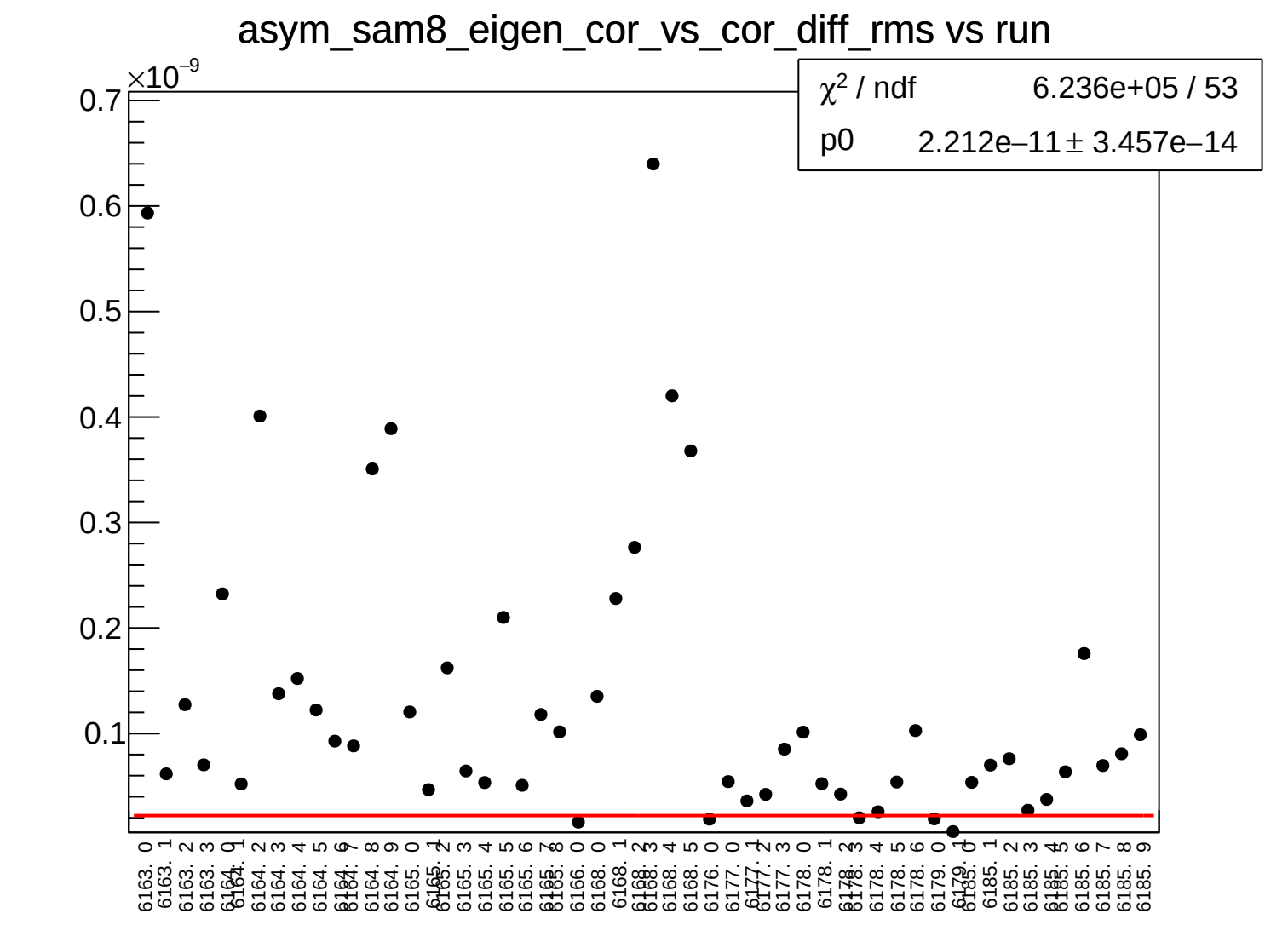

asym_sam8_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 56.69 / 53
p0 0.04179 ± 0.03338
pull
Entries 54
Mean 105.2
Std Dev 0

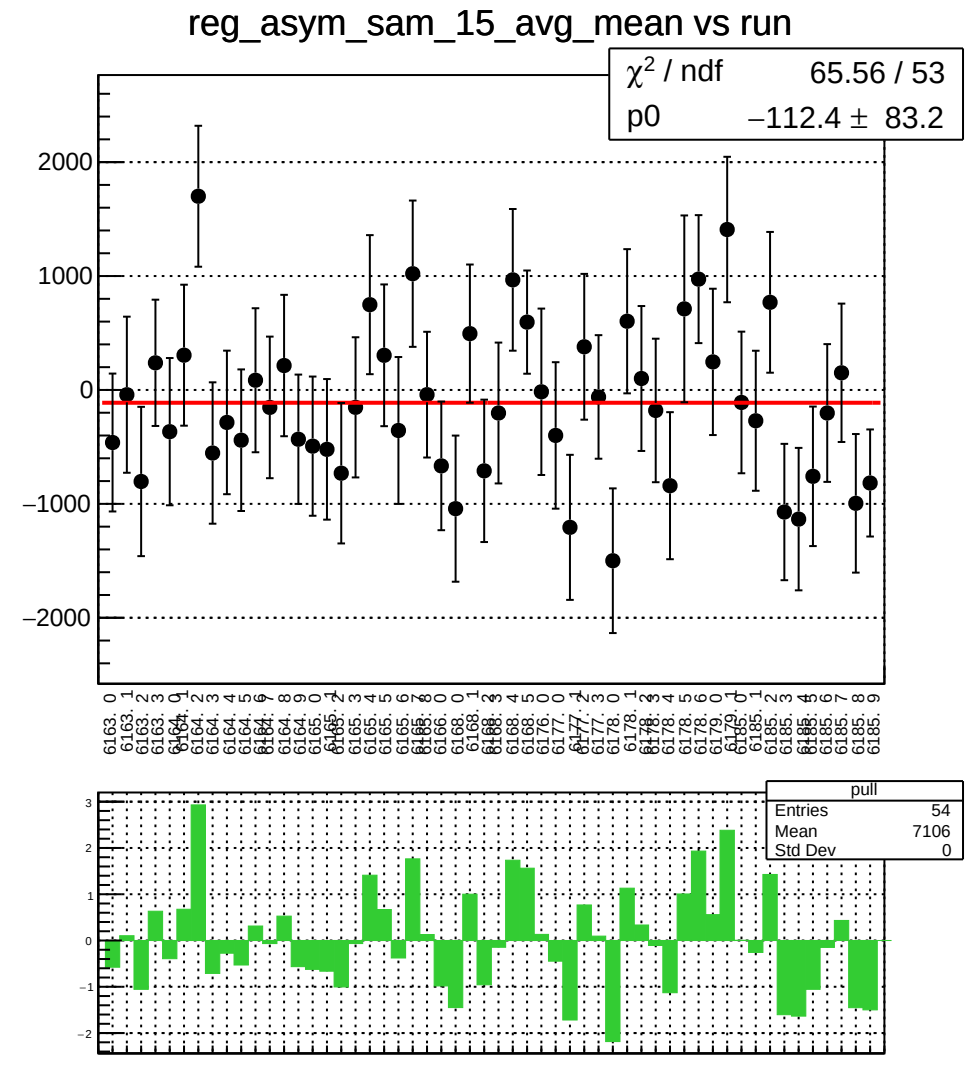

pull1D
Entries 54
Mean 0.02116
Std Dev 1.024

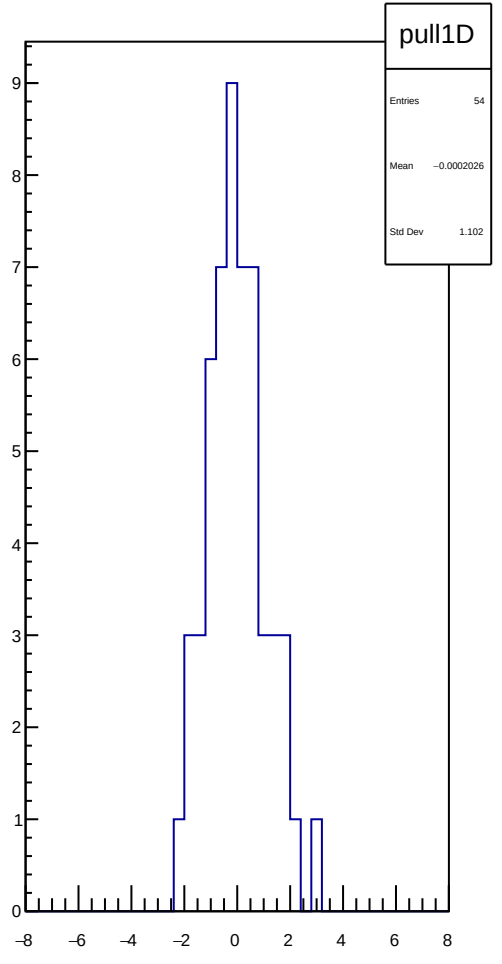

asym_sam8_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.283e+04 / 53
p0 23.72 ± 0.0236
38
36
34
32
30
28
26
24
22
20
18
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

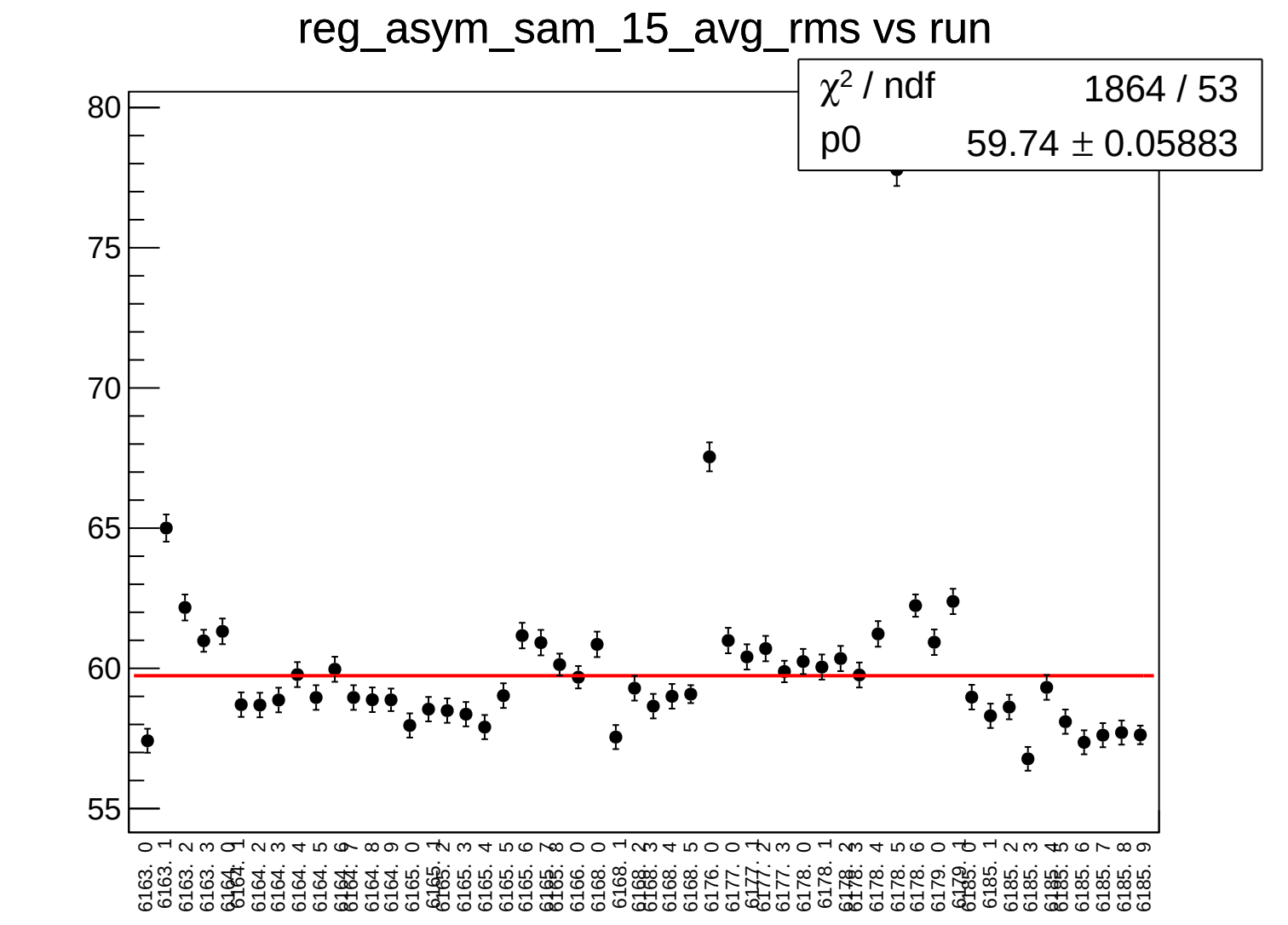

asym_sam8_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 51.06 / 53
p0 1.664e−14 ± 4.89e−14
pull
Entries 54
Mean −106.8
Std Dev 0

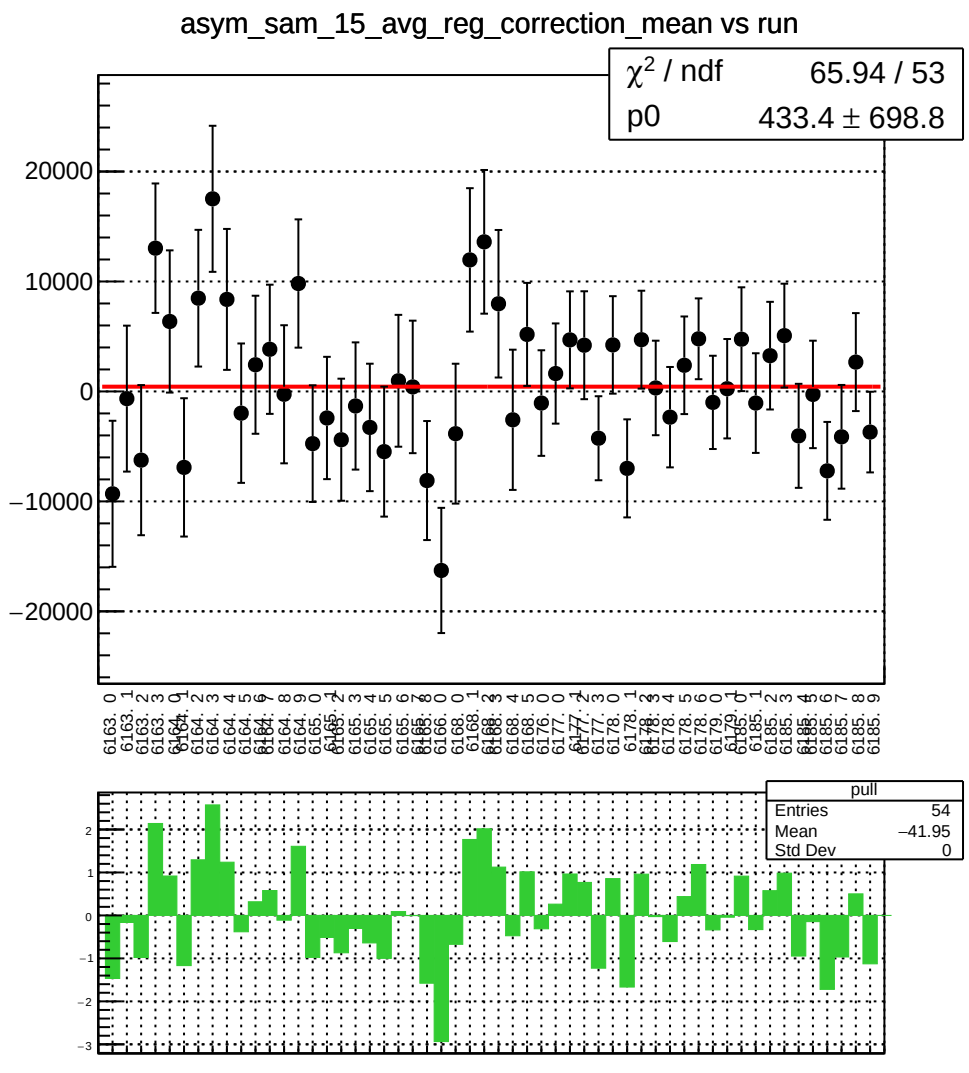

pull1D
Entries 54
Mean 0.04324
Std Dev 0.9715

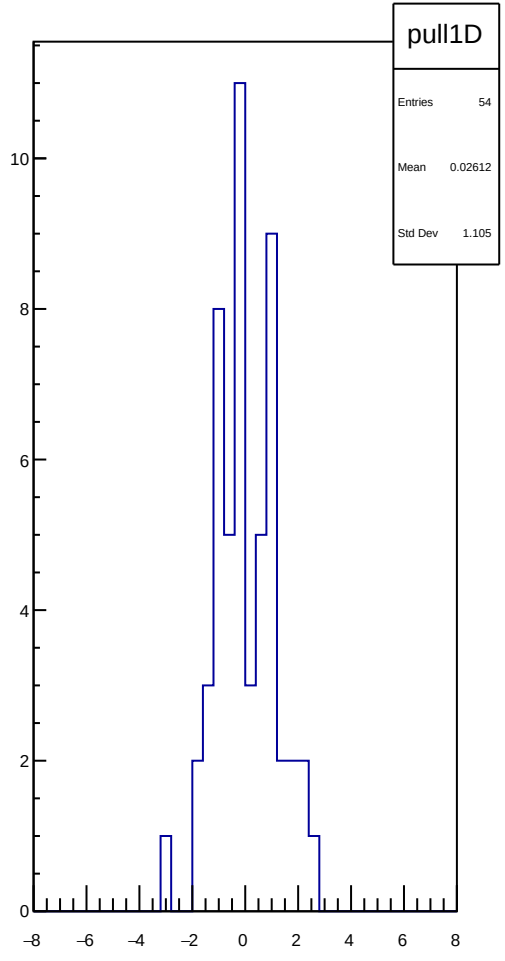

asym_sam8_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.236e+05 / 53
p0 2.212e−11 ± 3.457e−14
0.7
0.6
0.5
0.4
0.3
0.2
0.1
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 5
6185. 6
6185. 7
6185. 8
6185. 9

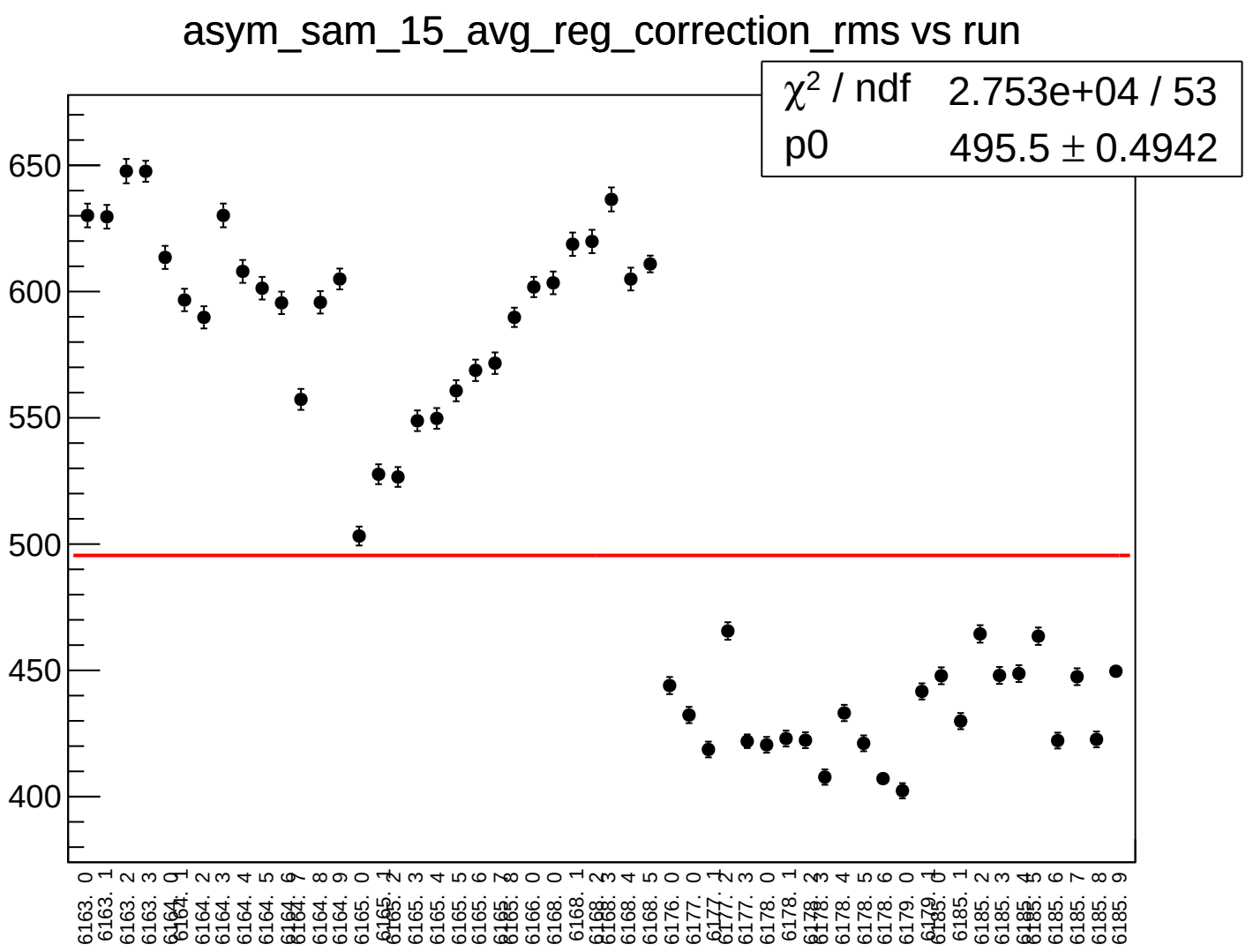

reg_asym_sam_15_avg_mean vs run
χ² / ndf 65.56 / 53
p0 −112.4 ± 83.2
2000
1000
0
−1000
−2000
pull
Entries 54
Mean 7106
Std Dev 0
3
2
1
0
−1
−2

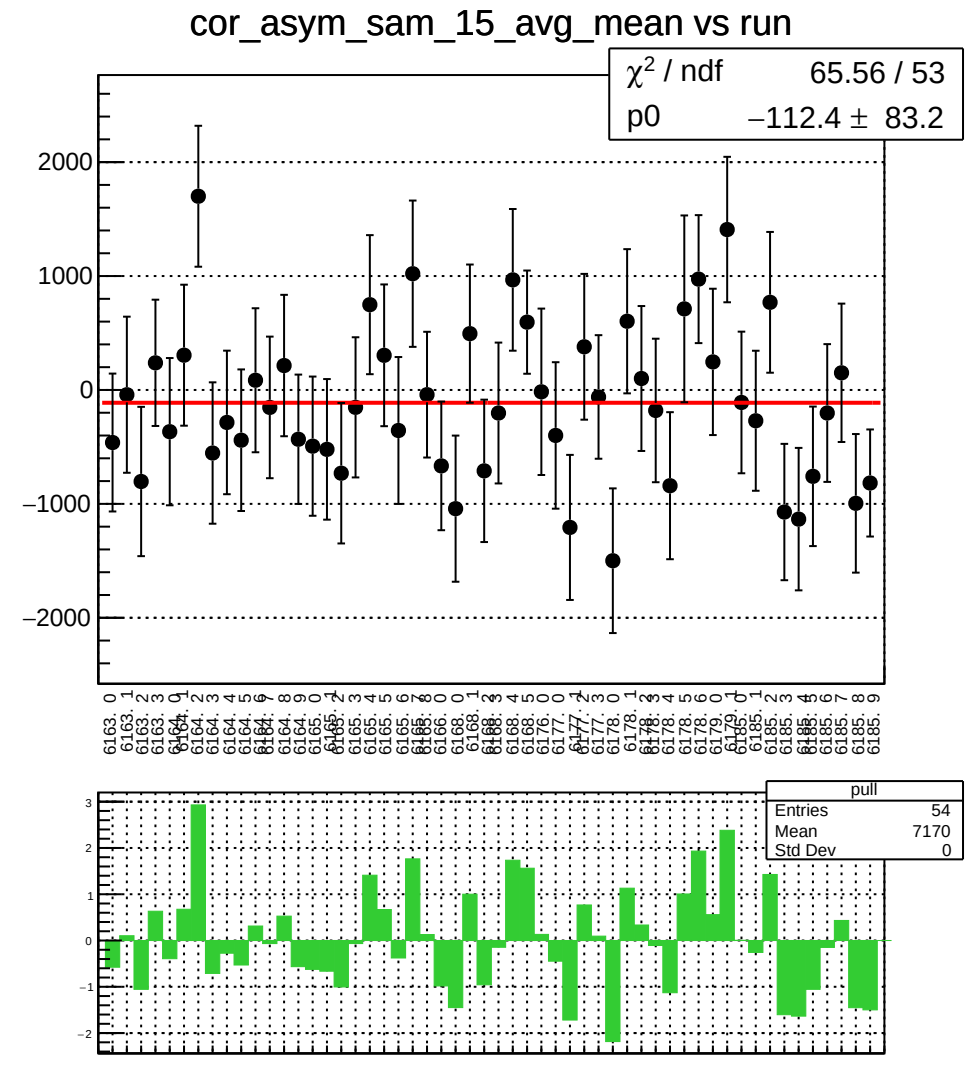

pull1D
Entries 54
Mean −0.0002026
Std Dev 1.102
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

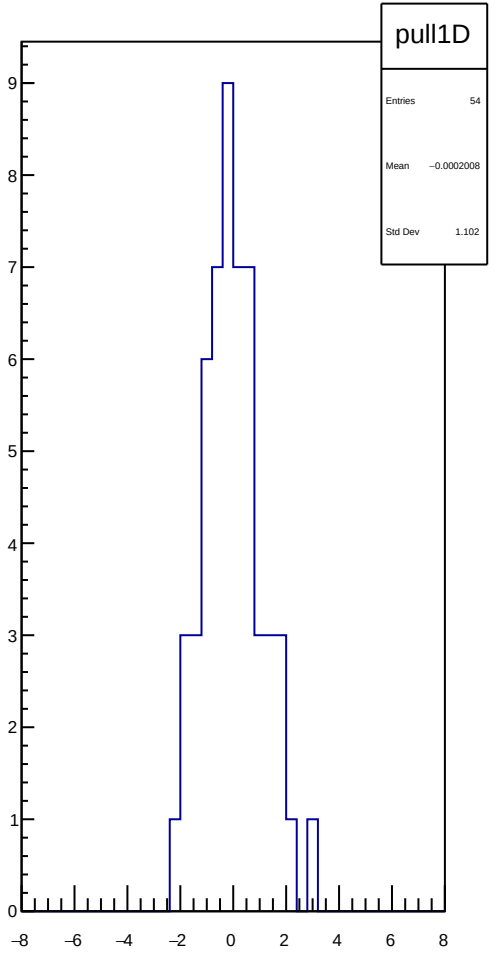

reg_asym_sam_15_avg_rms vs run
χ² / ndf 1864 / 53
p0 59.74 ± 0.05883
80
75
70
65
60
55
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

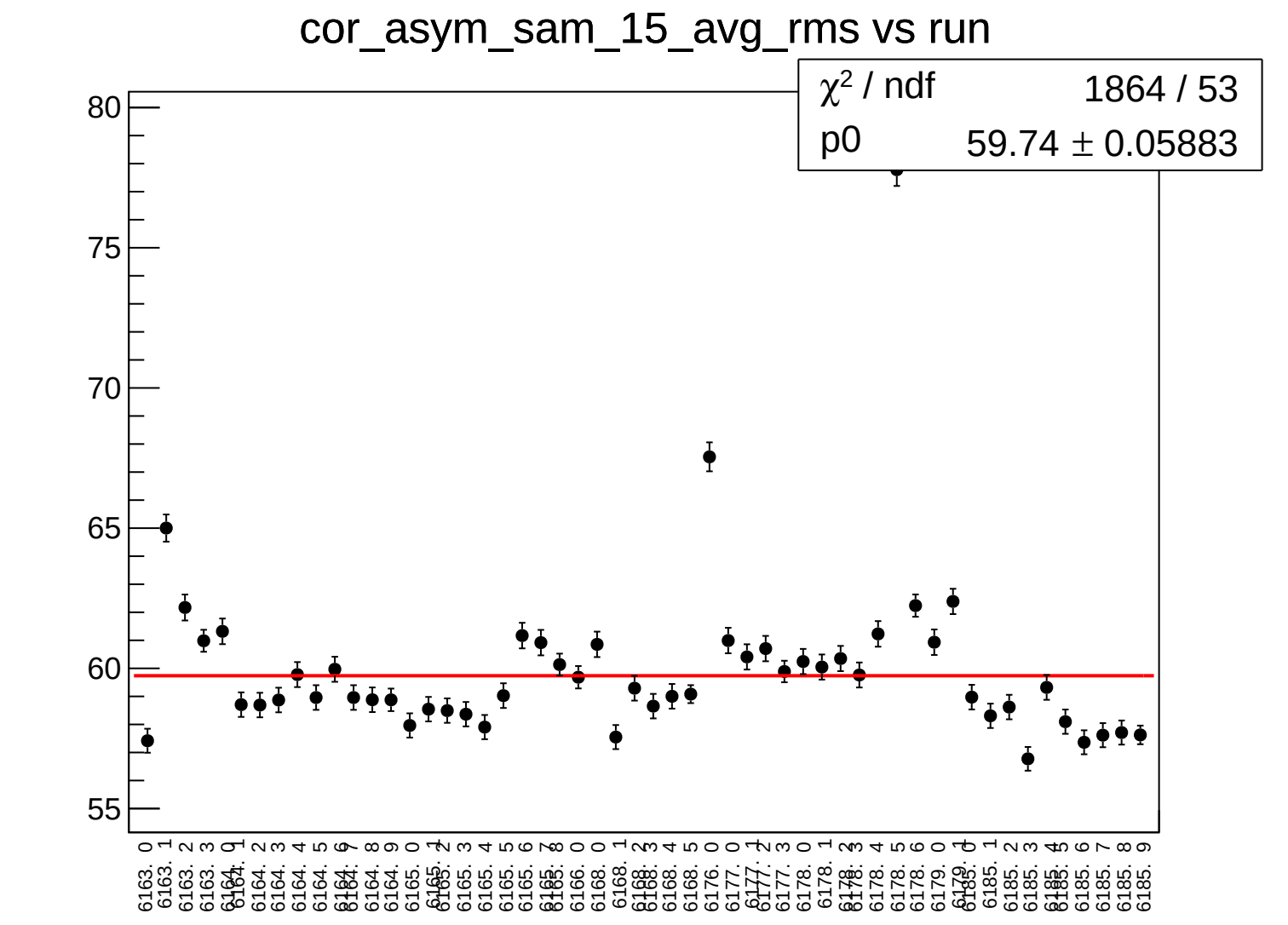

asym_sam_15_avg_reg_correction_mean vs run
χ² / ndf 65.94 / 53
p0 433.4 ± 698.8
20000
10000
0
−10000
−20000
pull
Entries 54
Mean −41.95
Std Dev 0
2
1
0
−1
−2
−3

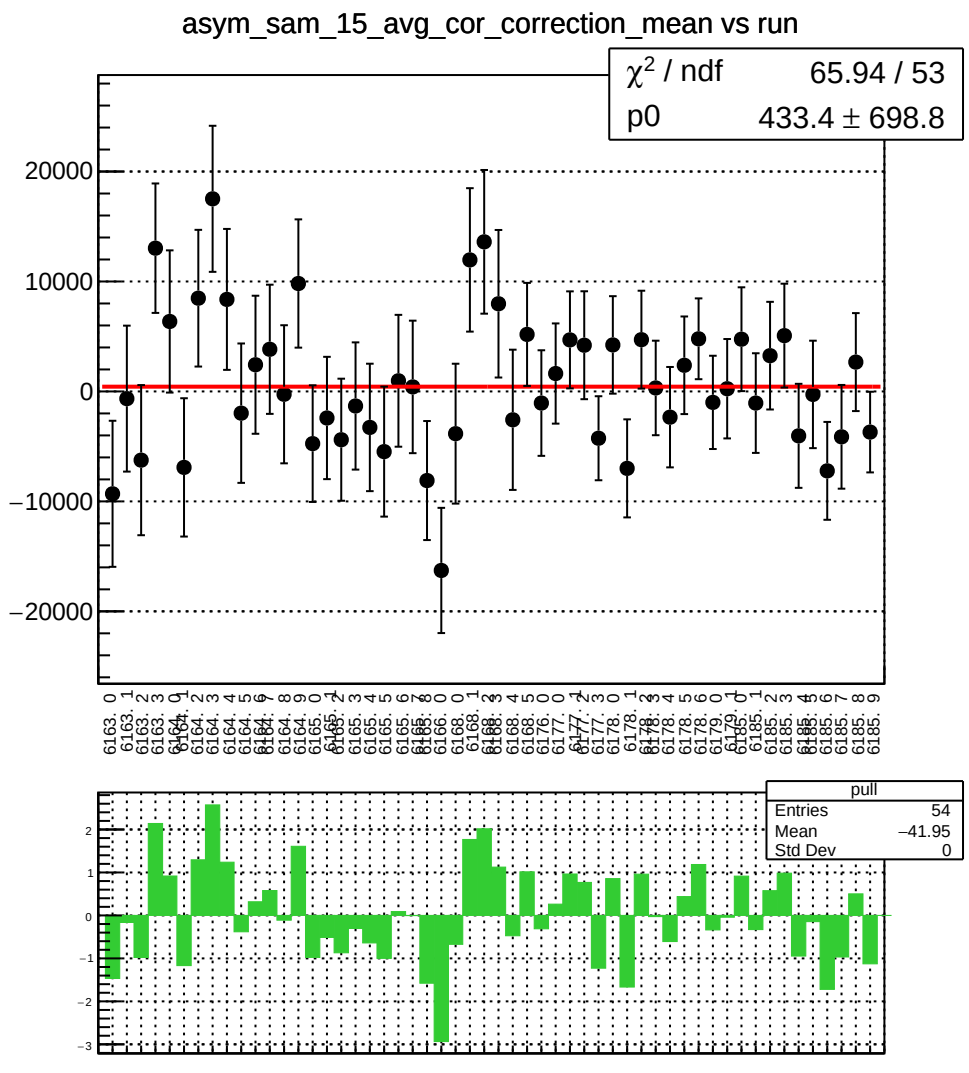

pull1D
Entries 54
Mean 0.02612
Std Dev 1.105
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

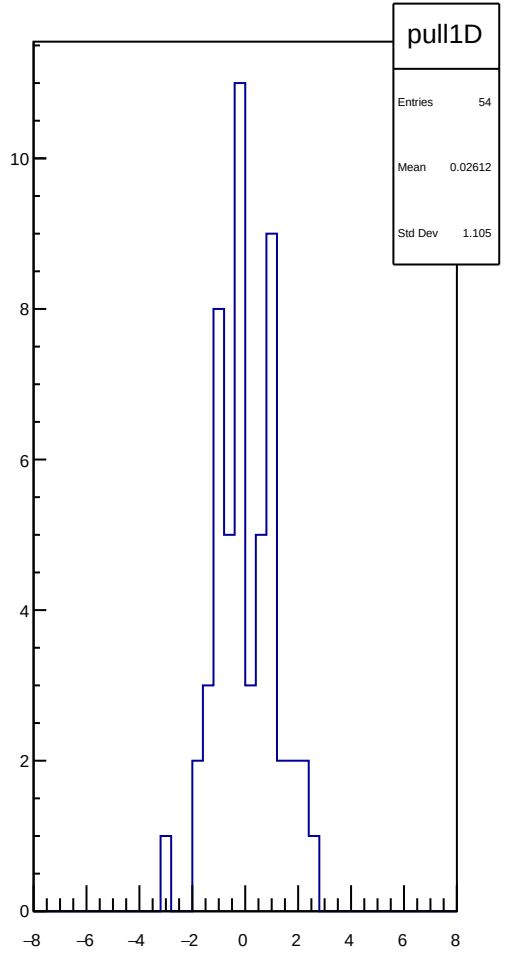

asym_sam_15_avg_reg_correction_rms vs run
χ² / ndf 2.753e+04 / 53
p0 495.5 ± 0.4942
650
600
550
500
450
400
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

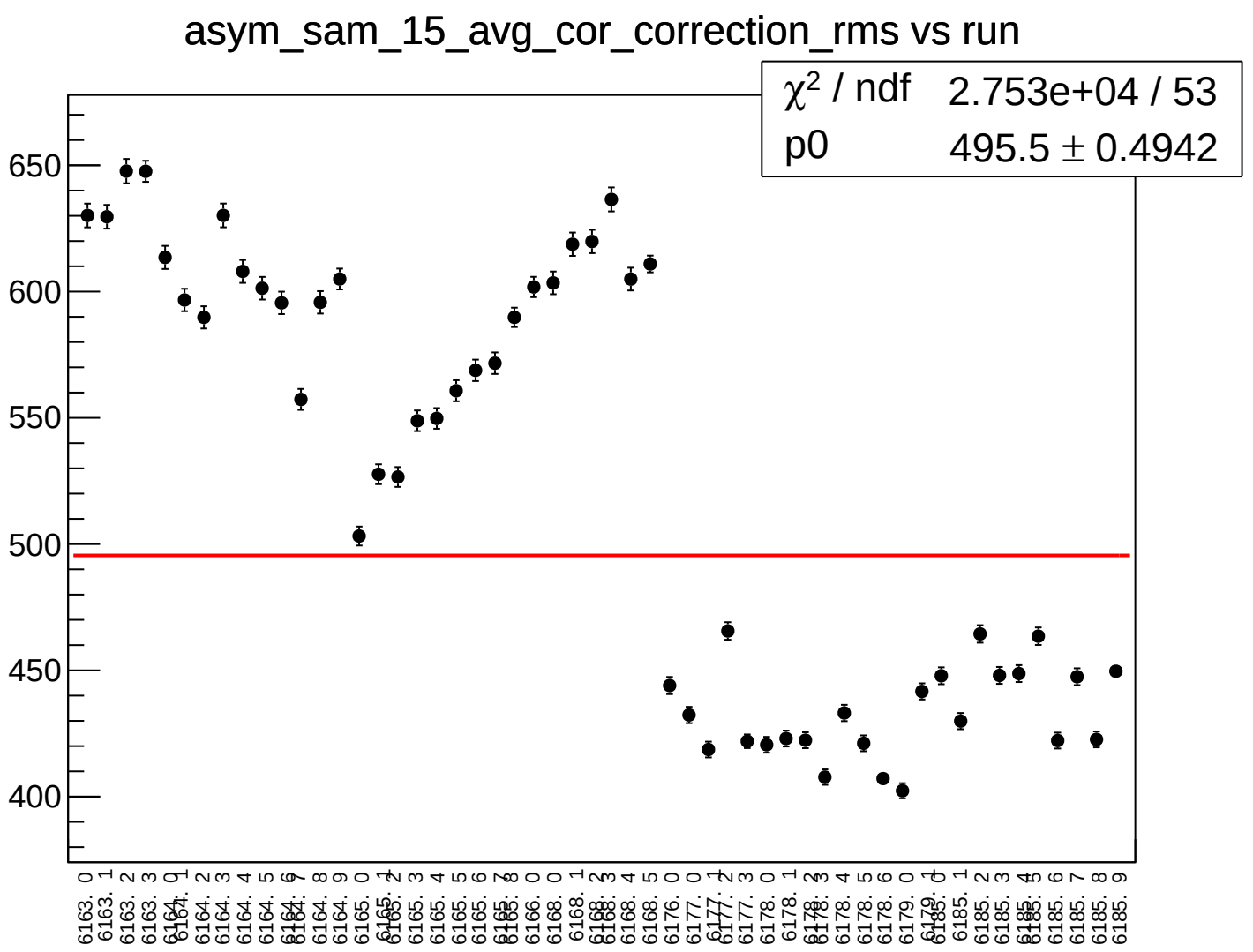

cor_asym_sam_15_avg_mean vs run
χ² / ndf 65.56 / 53
p0 −112.4 ± 83.2
2000
1000
0
−1000
−2000
pull
Entries 54
Mean 7170
Std Dev 0
3
2
1
0
−1
−2

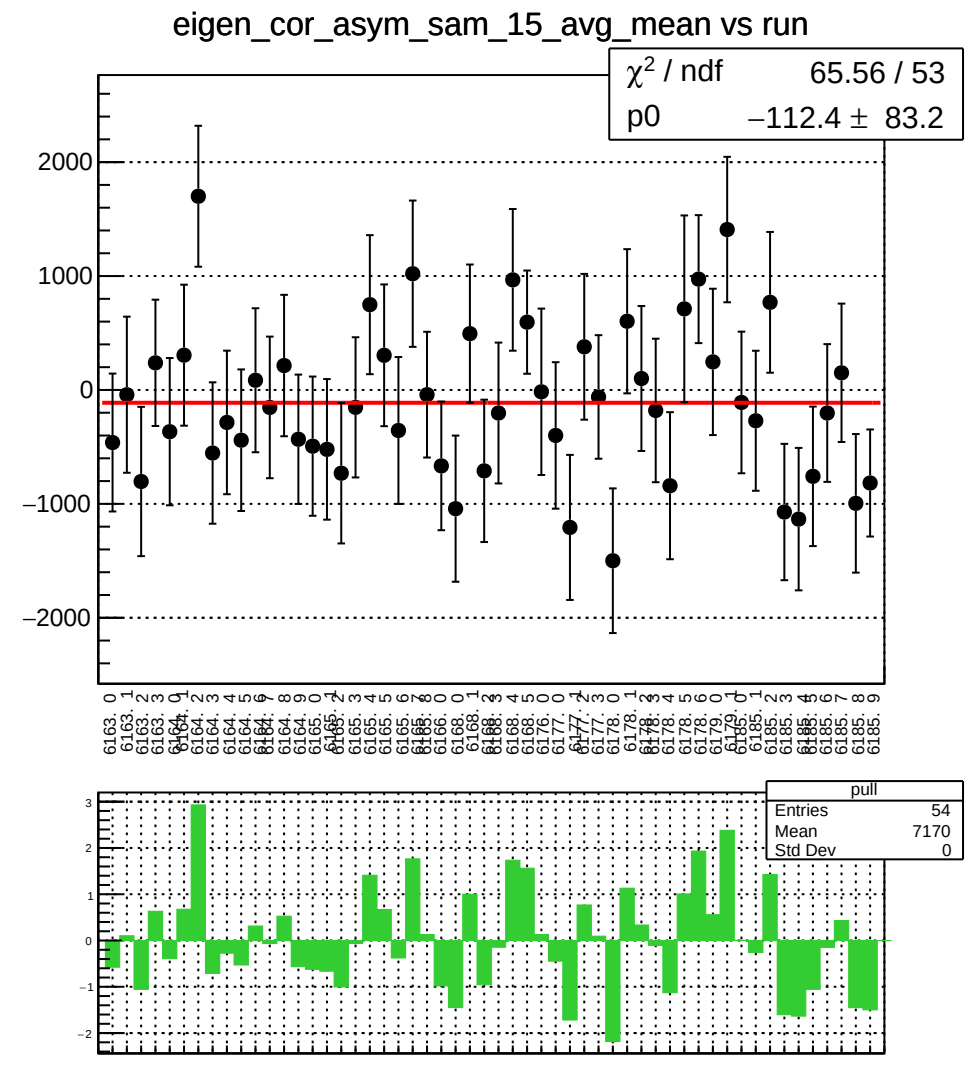

pull1D
Entries 54
Mean −0.0002008
Std Dev 1.102
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

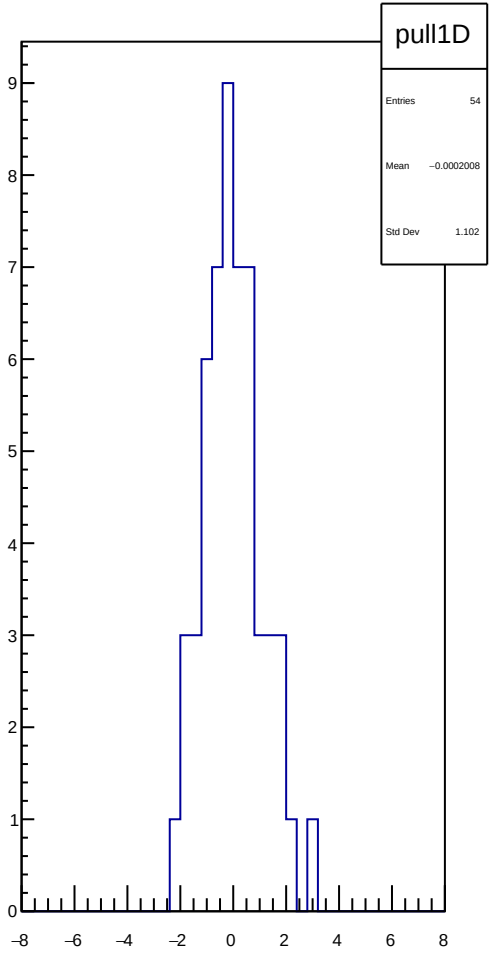

cor_asym_sam_15_avg_rms vs run
χ² / ndf 1864 / 53
p0 59.74 ± 0.05883
80
75
70
65
60
55
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

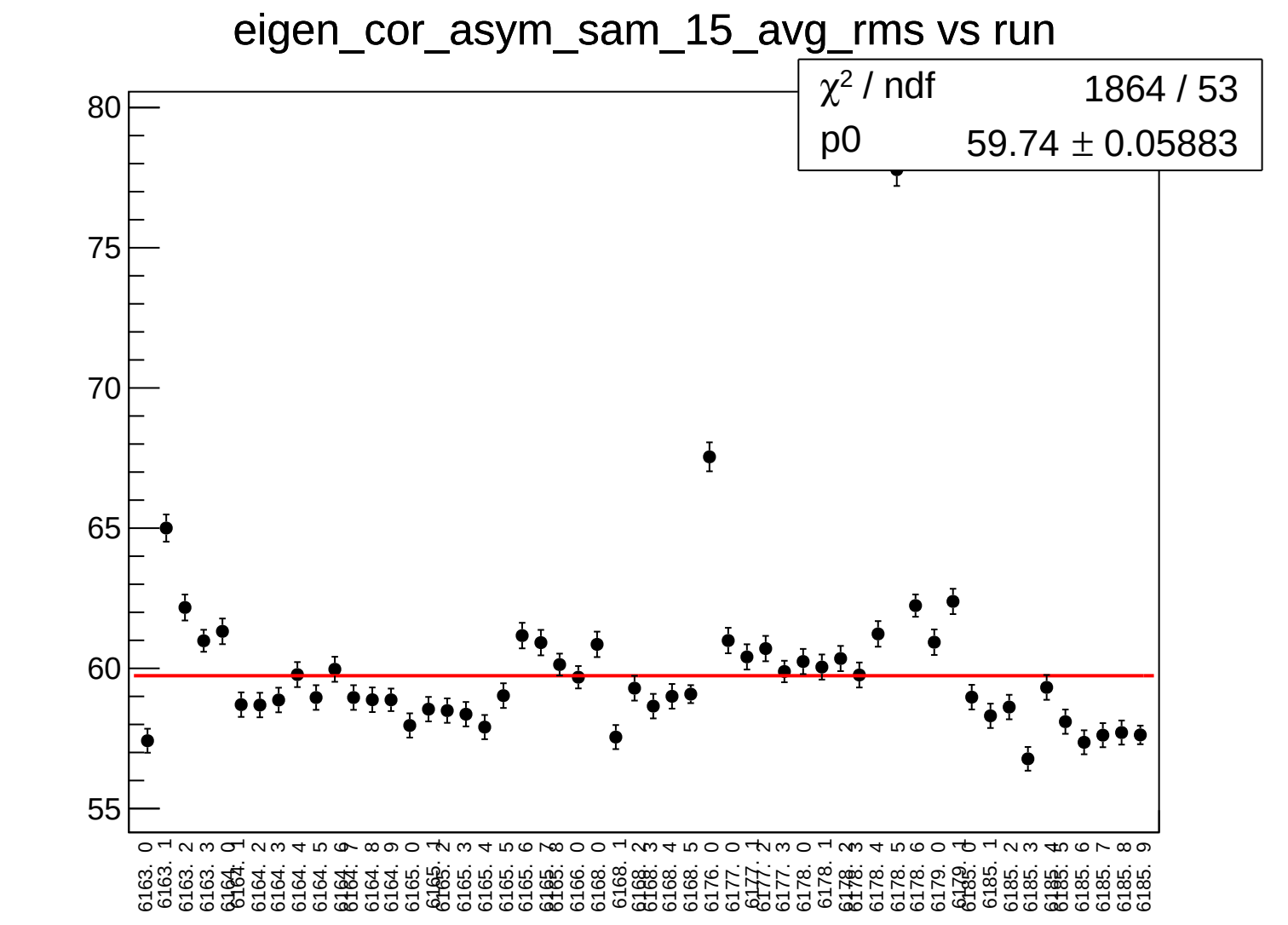

asym_sam_15_avg_cor_correction_mean vs run
χ² / ndf 65.94 / 53
p0 433.4 ± 698.8
20000
10000
0
−10000
−20000
pull
Entries 54
Mean −41.95
Std Dev 0
2
1
0
−1
−2
−3

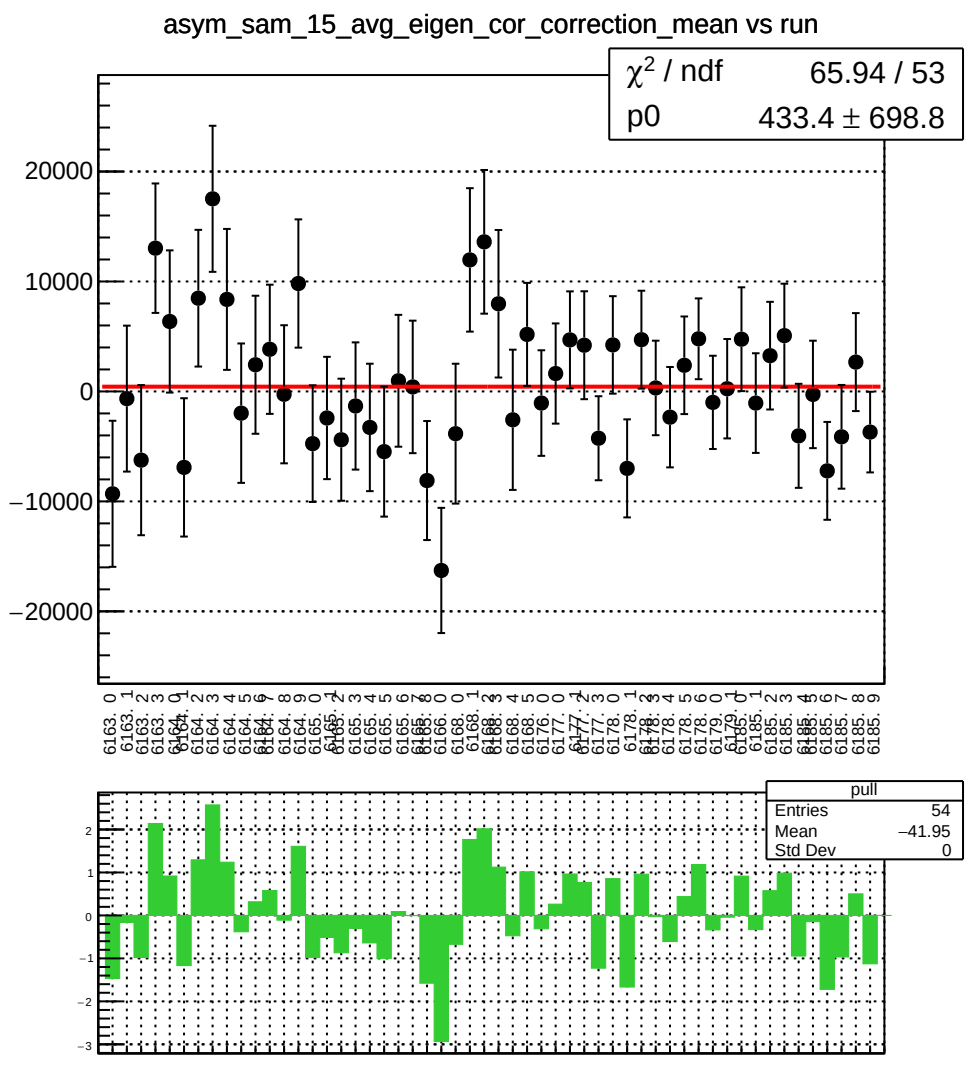

pull1D
Entries 54
Mean 0.02612
Std Dev 1.105
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

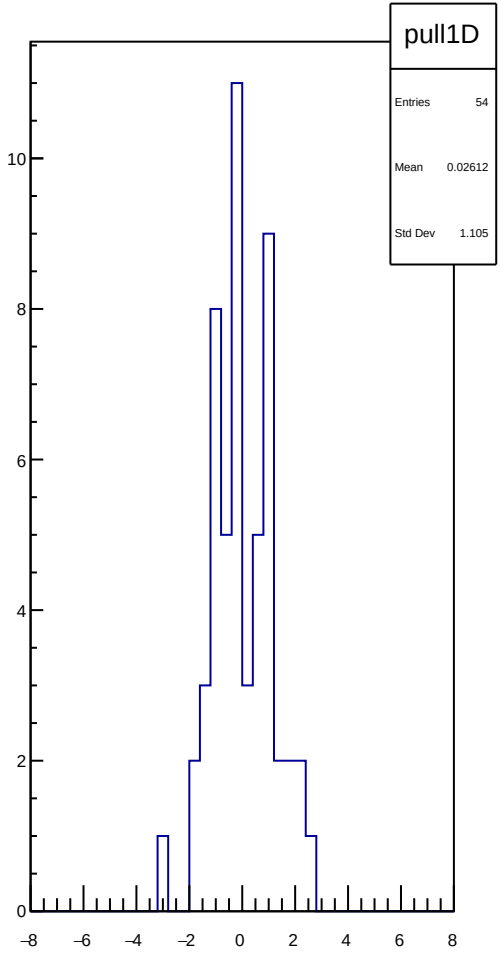

asym_sam_15_avg_cor_correction_rms vs run
χ² / ndf 2.753e+04 / 53
p0 495.5 ± 0.4942
650
600
550
500
450
400
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

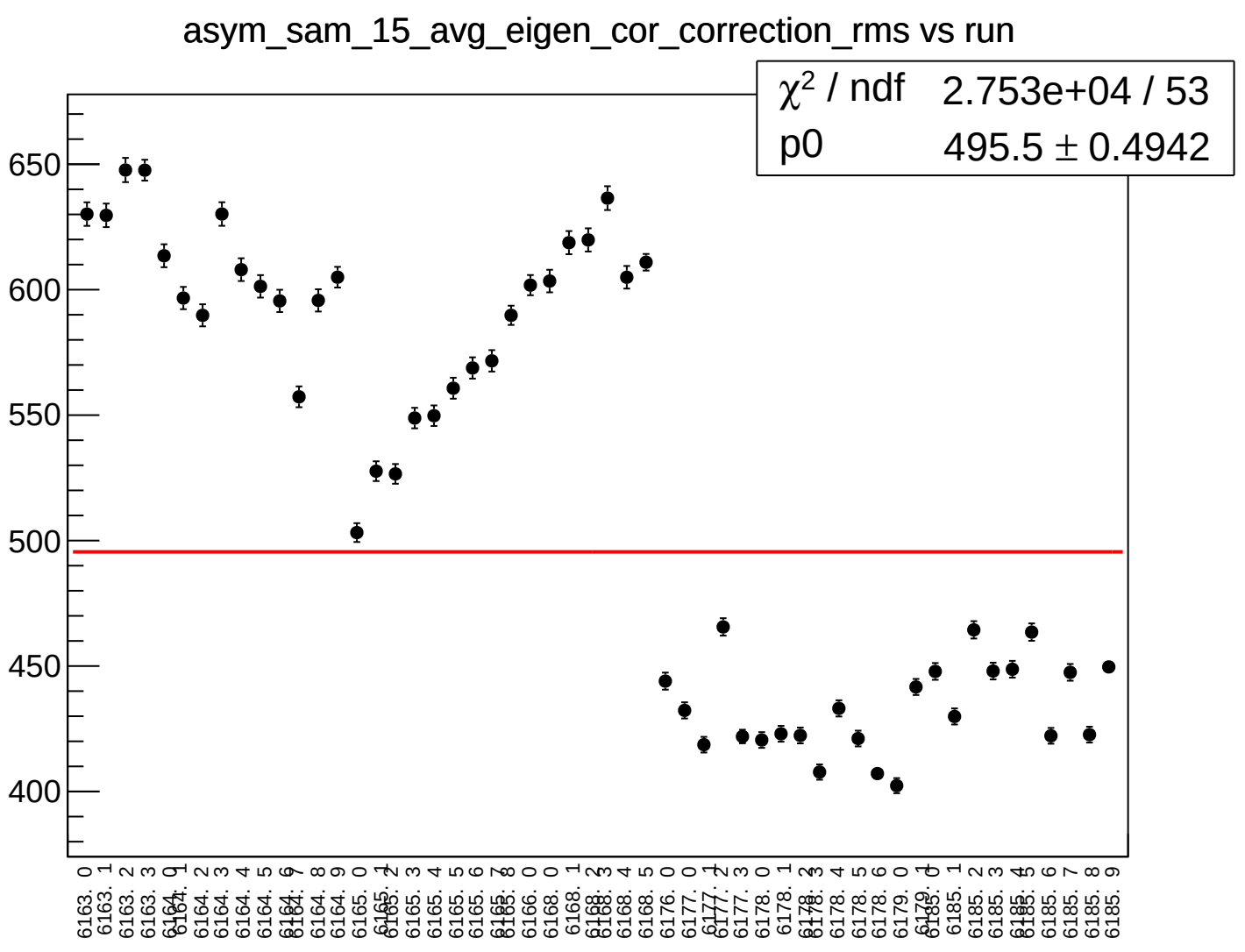

eigen_cor_asym_sam_15_avg_mean vs run
χ² / ndf 65.56 / 53
p0 −112.4 ± 83.2
2000
1000
0
−1000
−2000
pull
Entries 54
Mean 7170
Std Dev 0
3
2
1
0
−1
−2

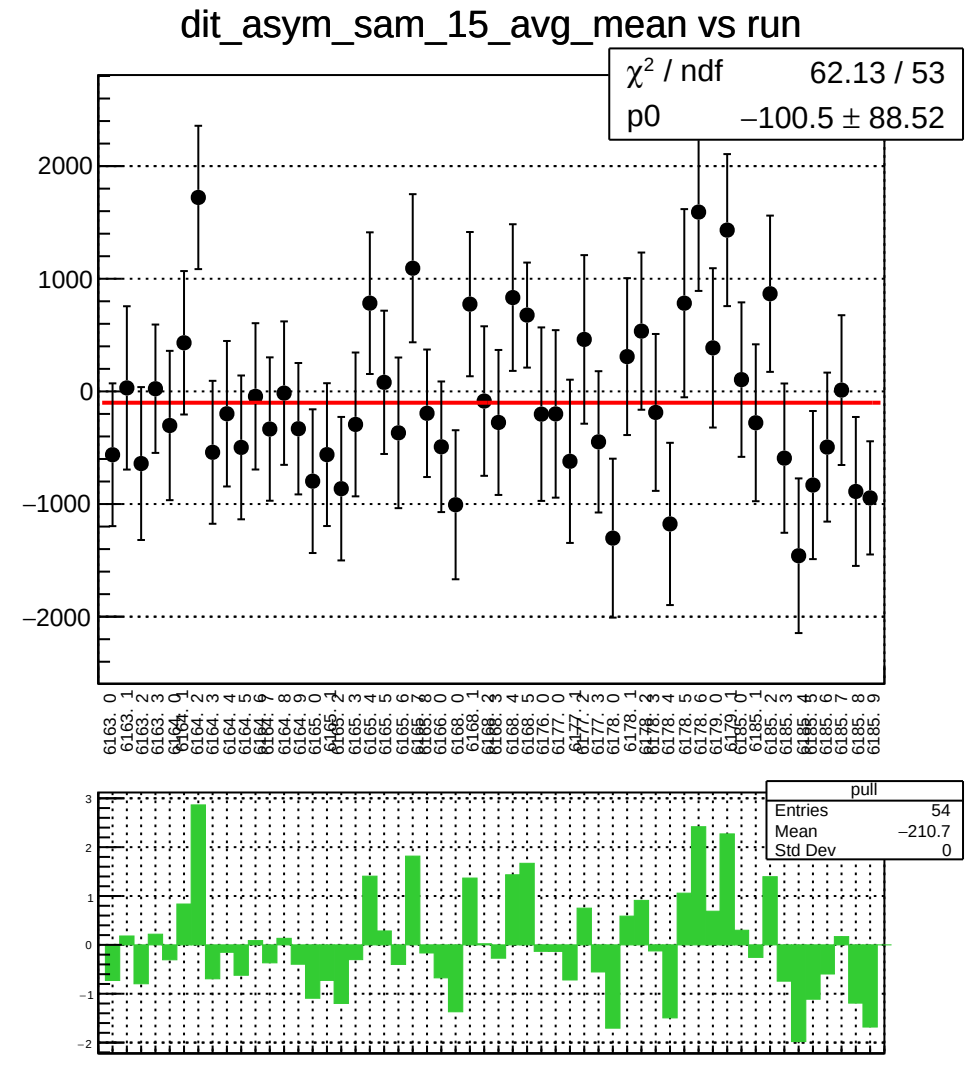

pull1D
Entries 54
Mean −0.0002008
Std Dev 1.102
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

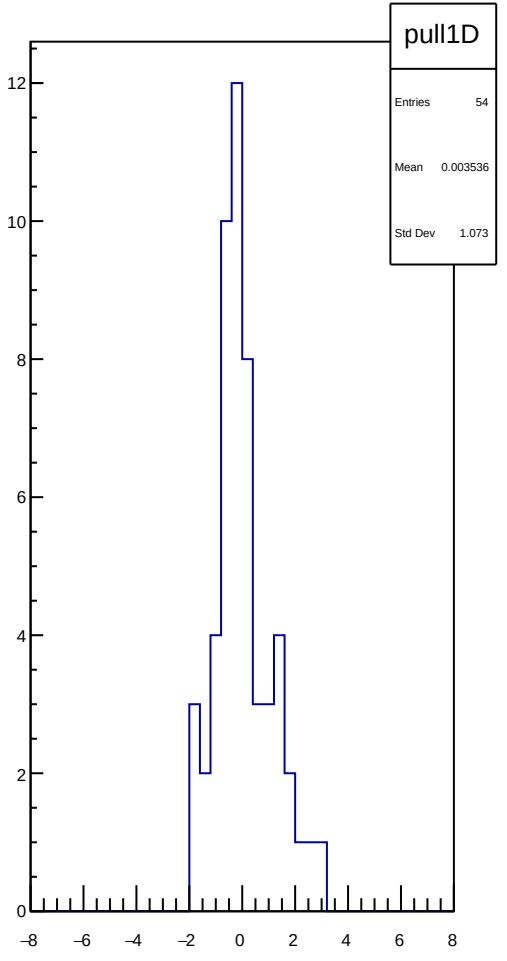

eigen_cor_asym_sam_15_avg_rms vs run
χ² / ndf 1864 / 53
p0 59.74 ± 0.05883
80
75
70
65
60
55
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

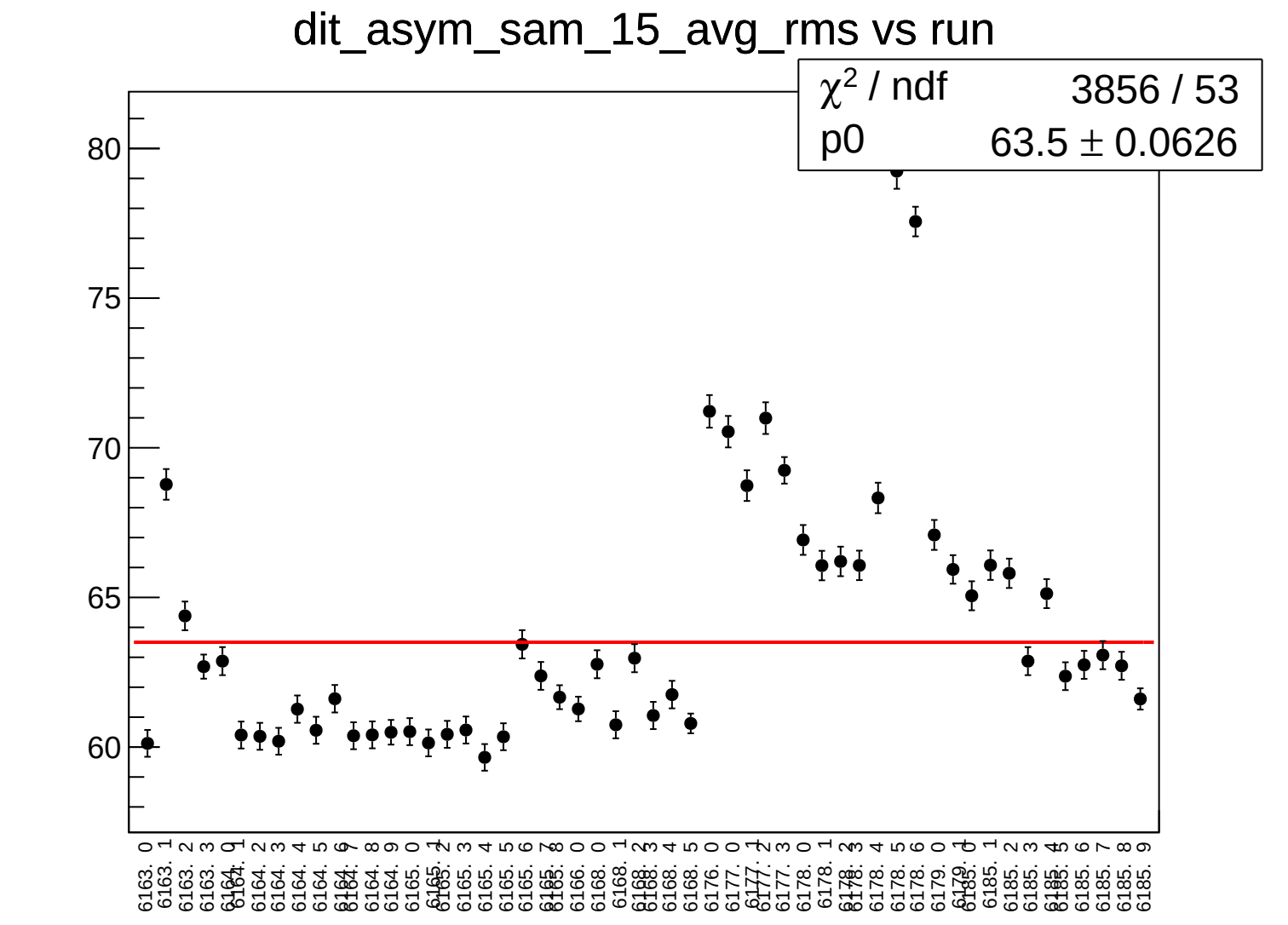

asym_sam_15_avg_eigen_cor_correction_mean vs run
χ² / ndf 65.94 / 53
p0 433.4 ± 698.8
20000
10000
0
−10000
−20000
pull
Entries 54
Mean −41.95
Std Dev 0
2
1
0
−1
−2
−3

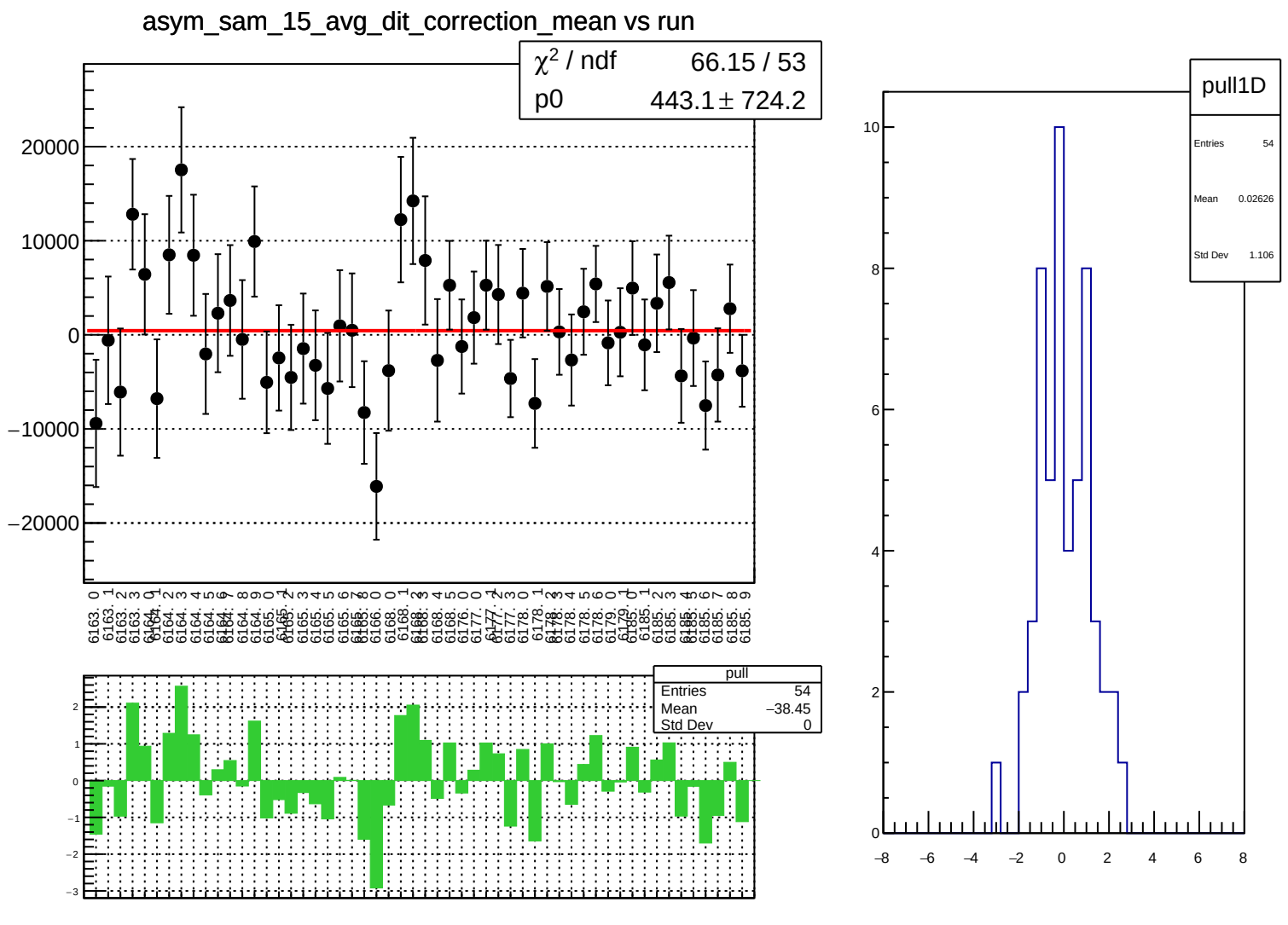

pull1D
Entries 54
Mean 0.02612
Std Dev 1.105
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

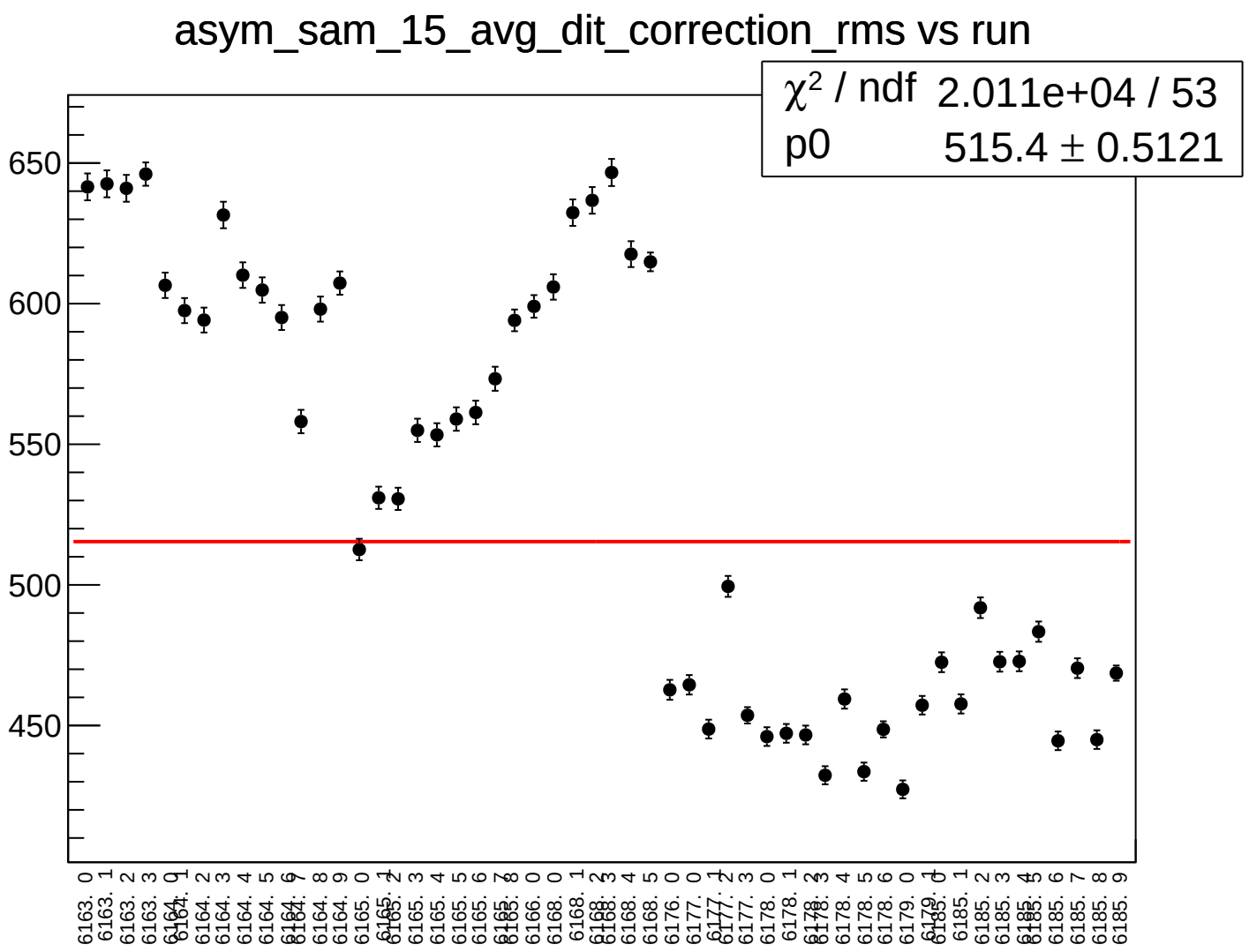

asym_sam_15_avg_eigen_cor_correction_rms vs run
χ² / ndf 2.753e+04 / 53
p0 495.5 ± 0.4942
650
600
550
500
450
400
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

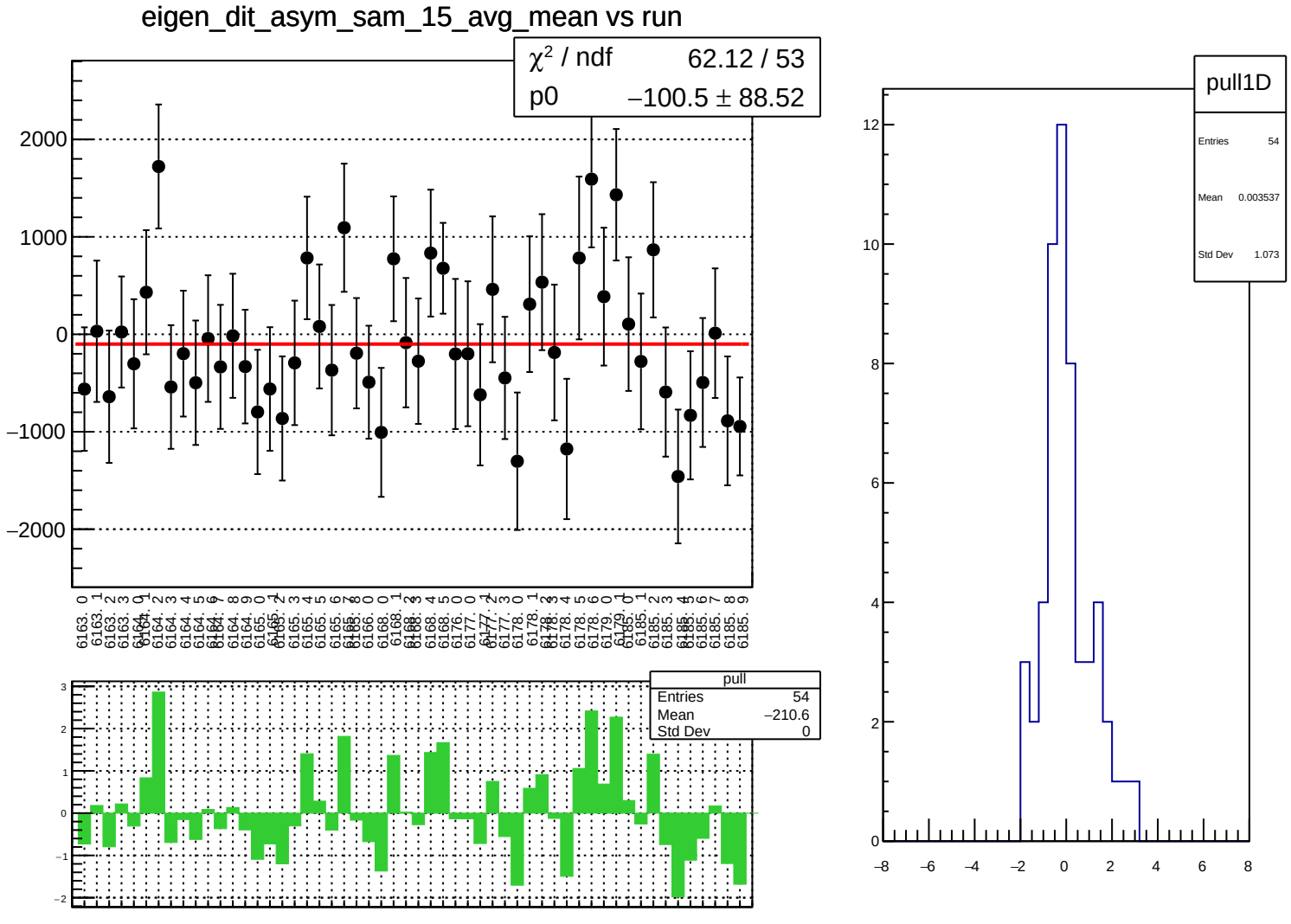

dit_asym_sam_15_avg_mean vs run
χ² / ndf 62.13 / 53
p0 −100.5 ± 88.52
2000
1000
0
−1000
−2000
pull
Entries 54
Mean −210.7
Std Dev 0
3
2
1
0
−1
−2

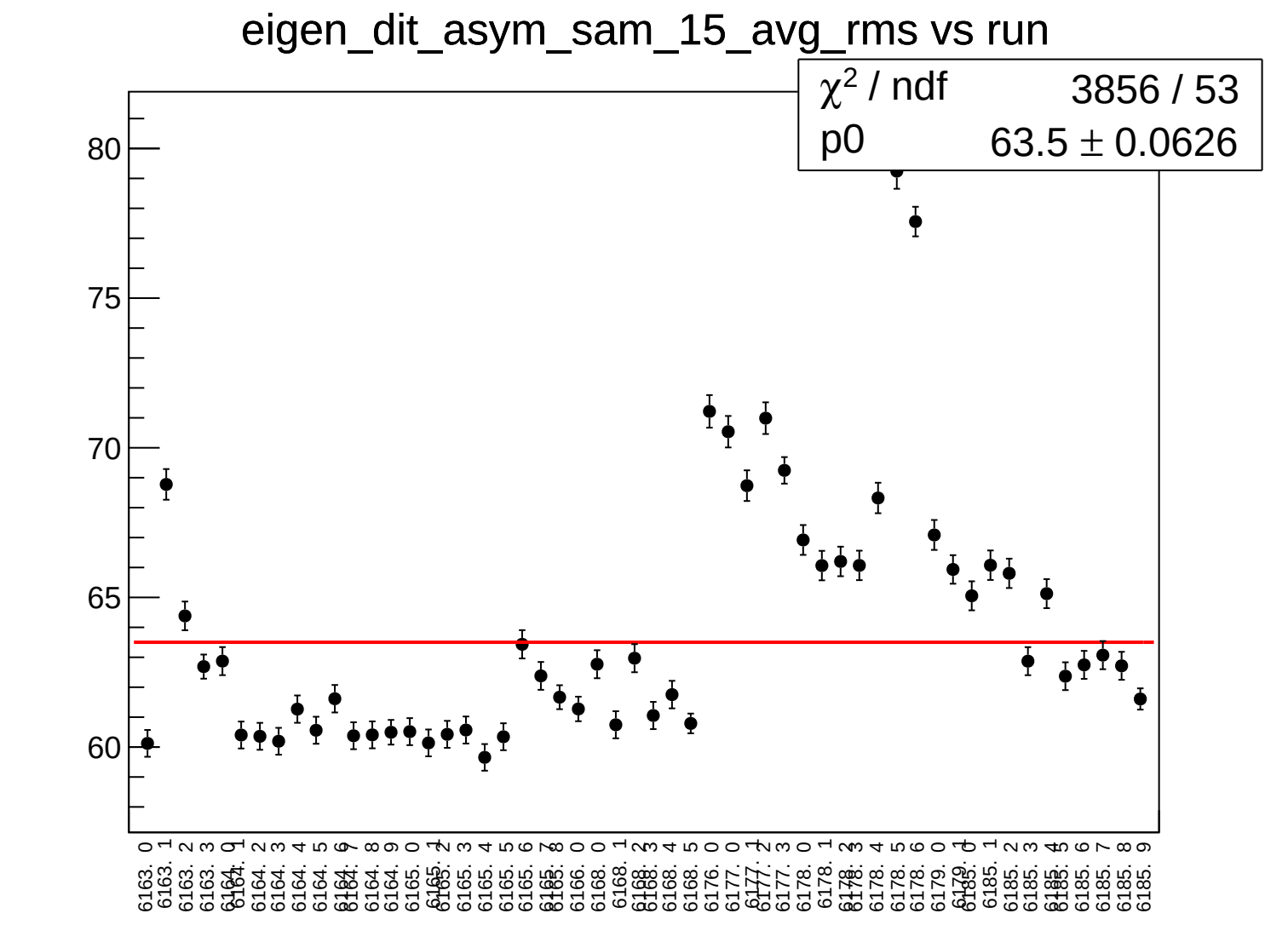

pull1D
Entries 54
Mean 0.003536
Std Dev 1.073
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

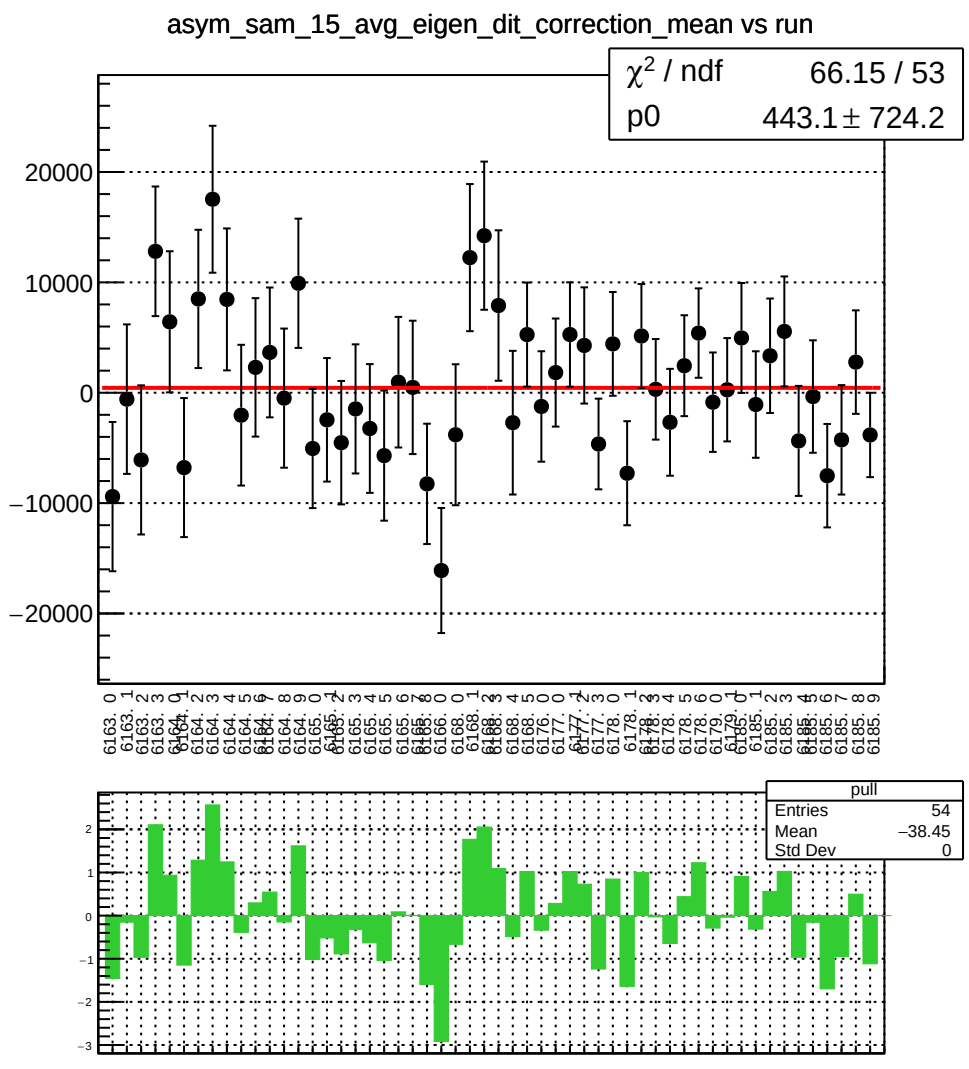

dit_asym_sam_15_avg_rms vs run
χ² / ndf 3856 / 53
p0 63.5 ± 0.0626
80
75
70
65
60
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

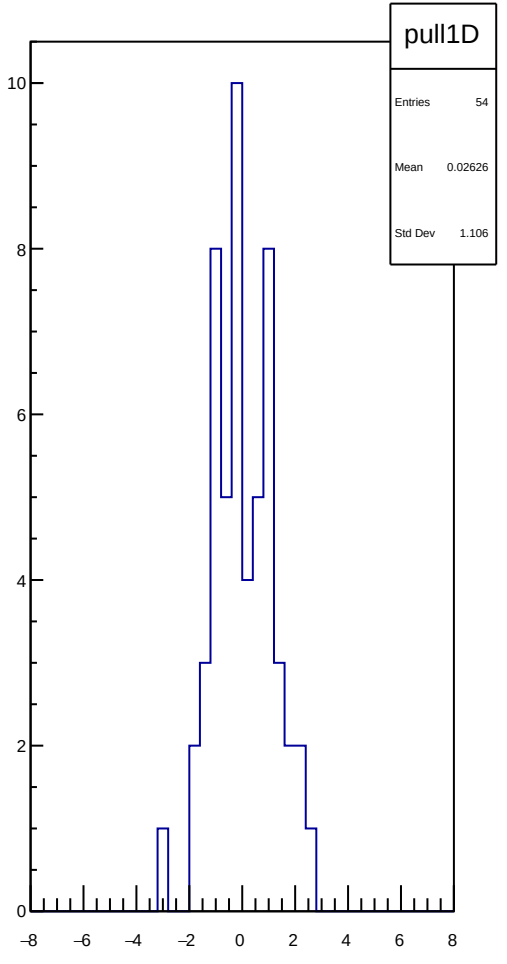

asym_sam_15_avg_dit_correction_mean vs run
χ² / ndf 66.15 / 53
p0 443.1 ± 724.2
20000
10000
0
−10000
−20000
pull
Entries 54
Mean −38.45
Std Dev 0
pull1D
Entries 54
Mean 0.02626
Std Dev 1.106

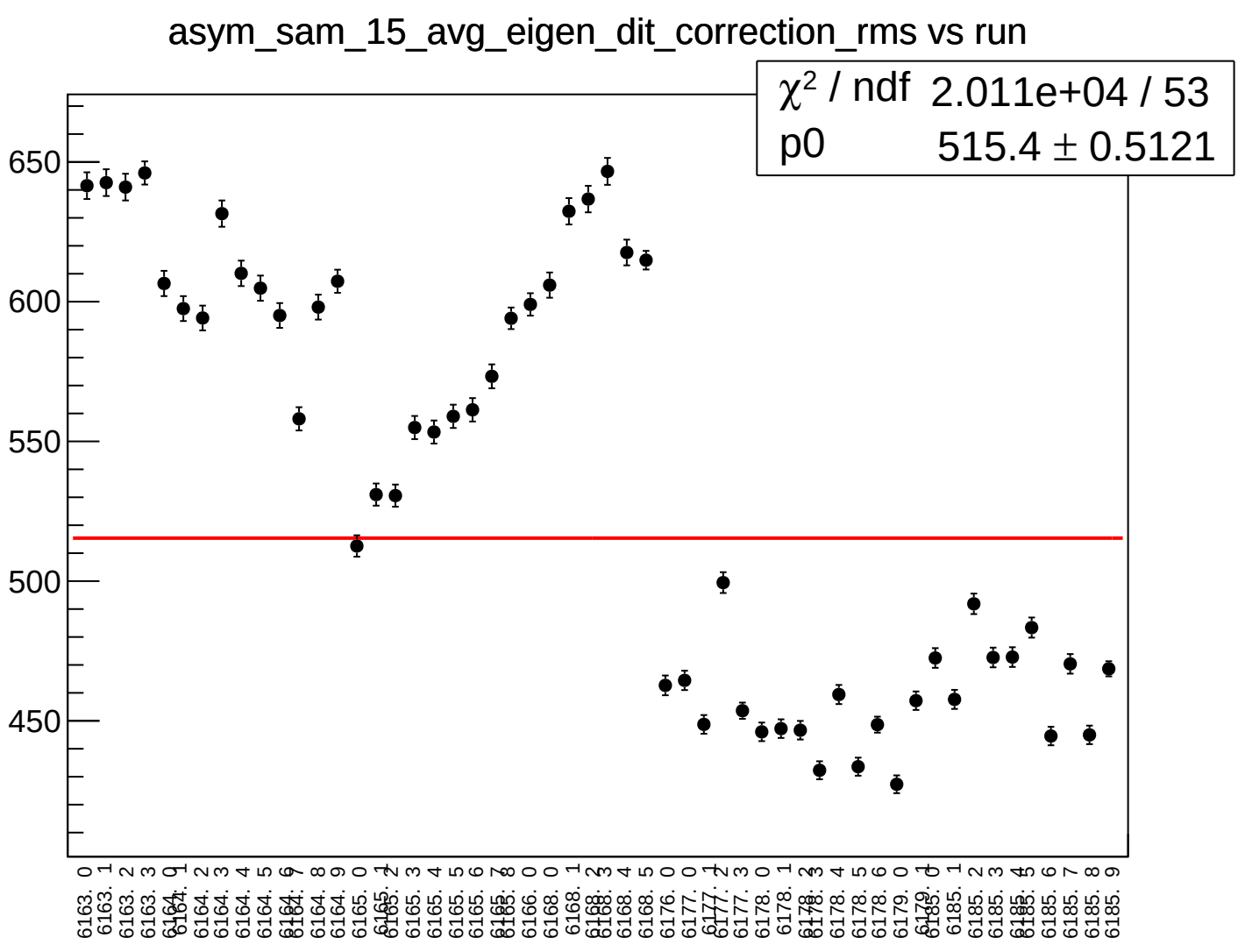

asym_sam_15_avg_dit_correction_rms vs run
χ² / ndf 2.011e+04 / 53
p0 515.4 ± 0.5121
650
600
550
500
450
6163. 0
6163. 1
6163. 2
6163. 3
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

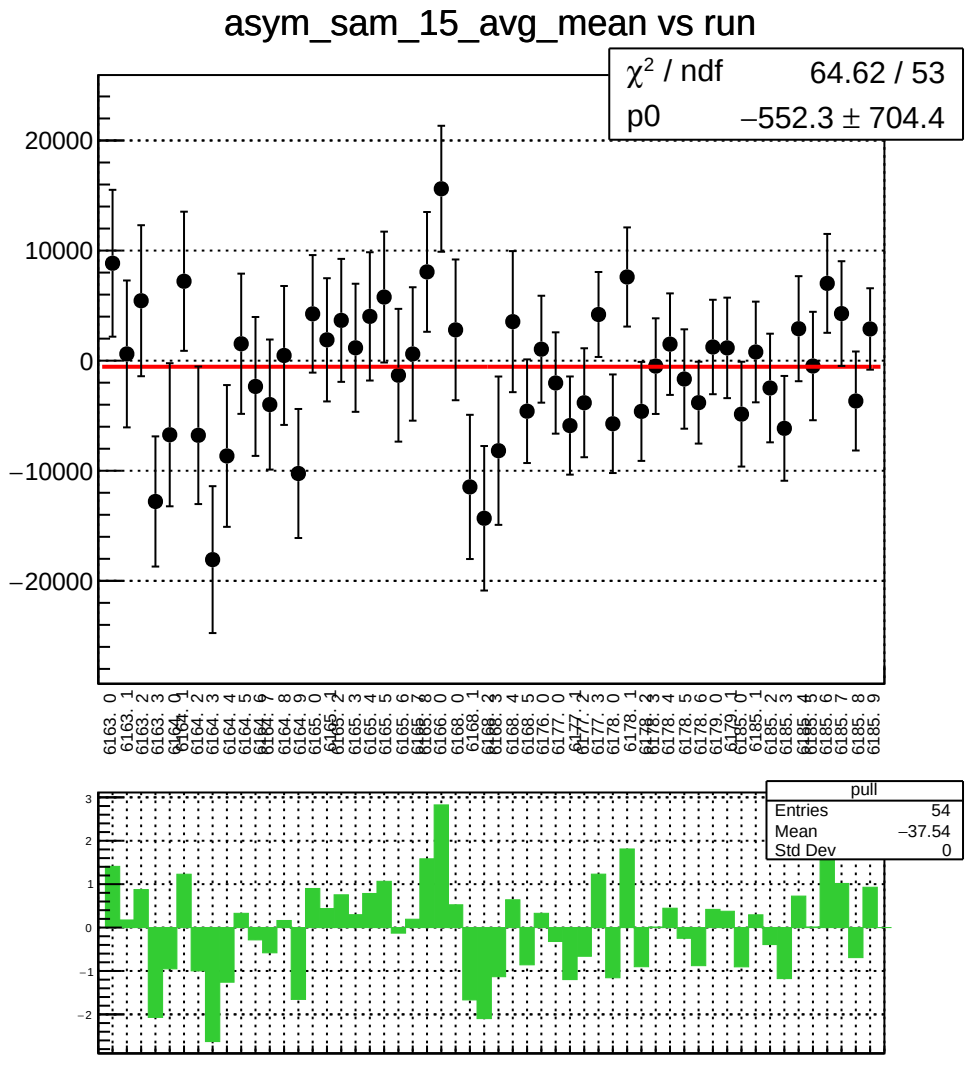

eigen_dit_asym_sam_15_avg_mean vs run
χ² / ndf 62.12 / 53
p0 −100.5 ± 88.52
2000
1000
0
−1000
−2000
pull
Entries 54
Mean −210.6
Std Dev 0
pull1D
Entries 54
Mean 0.003537
Std Dev 1.073

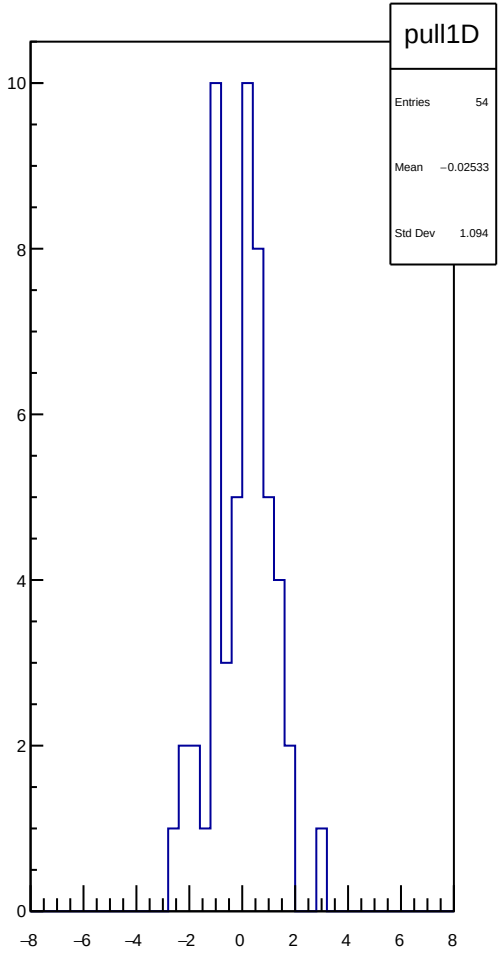

eigen_dit_asym_sam_15_avg_rms vs run
χ² / ndf 3856 / 53
p0 63.5 ± 0.0626
80
75
70
65
60
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

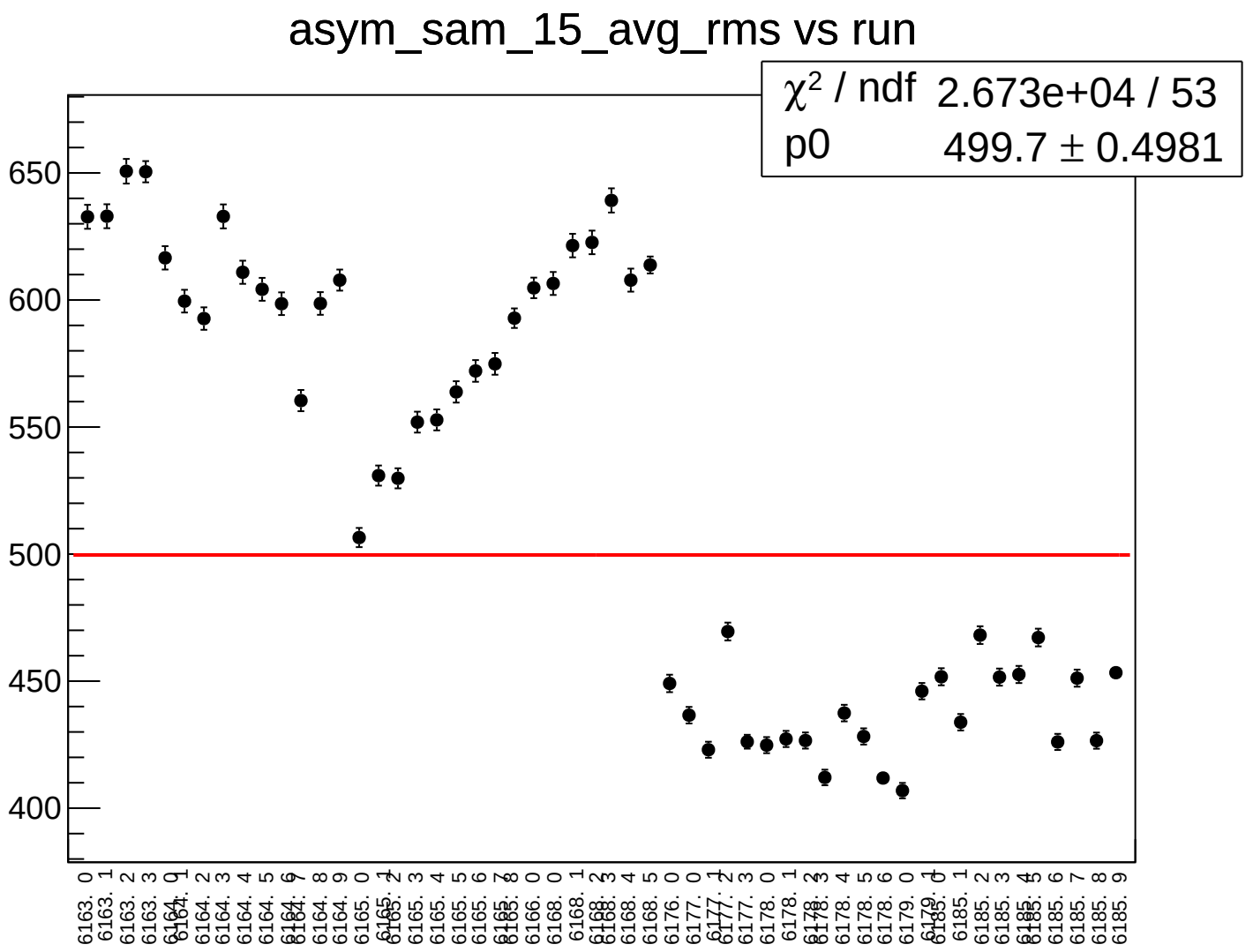

asym_sam_15_avg_eigen_dit_correction_mean vs run
χ² / ndf 66.15 / 53
p0 443.1 ± 724.2
20000
10000
0
−10000
−20000
pull
Entries 54
Mean −38.45
Std Dev 0
2
1
0
−1
−2
−3

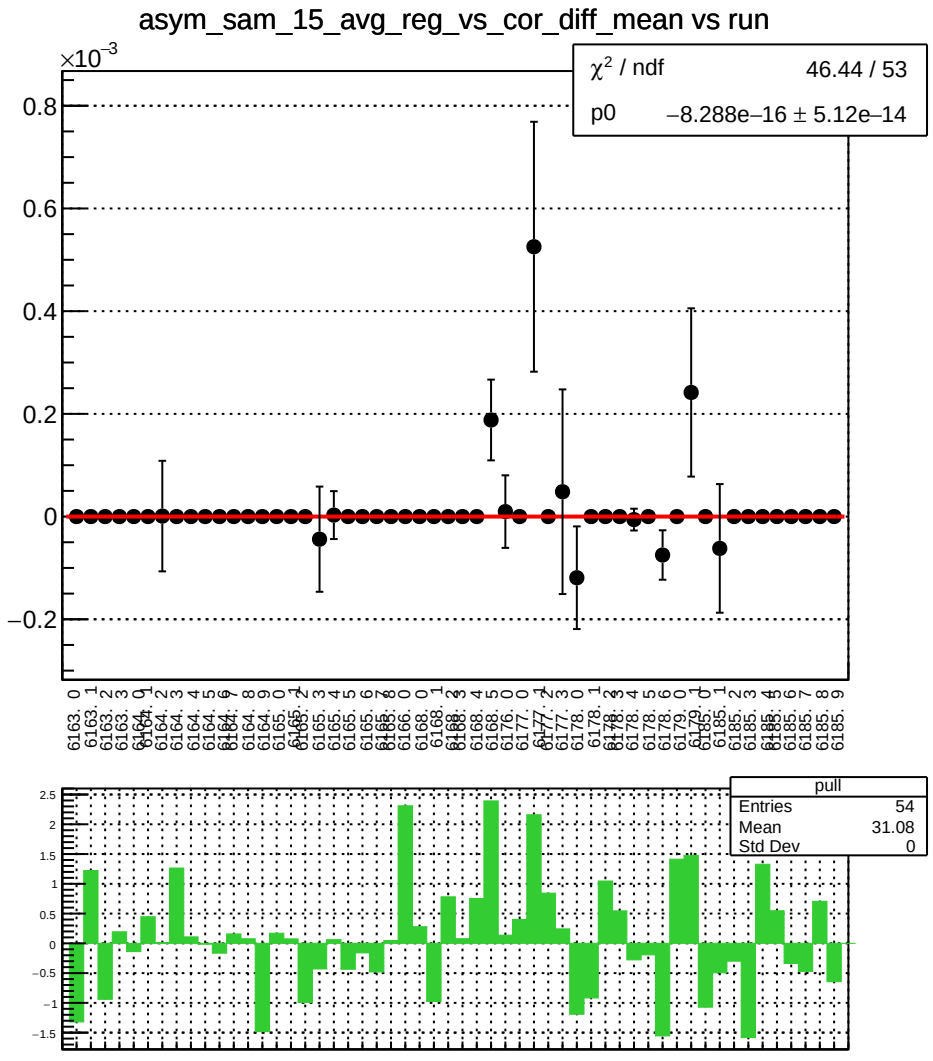

pull1D
Entries 54
Mean 0.02626
Std Dev 1.106
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

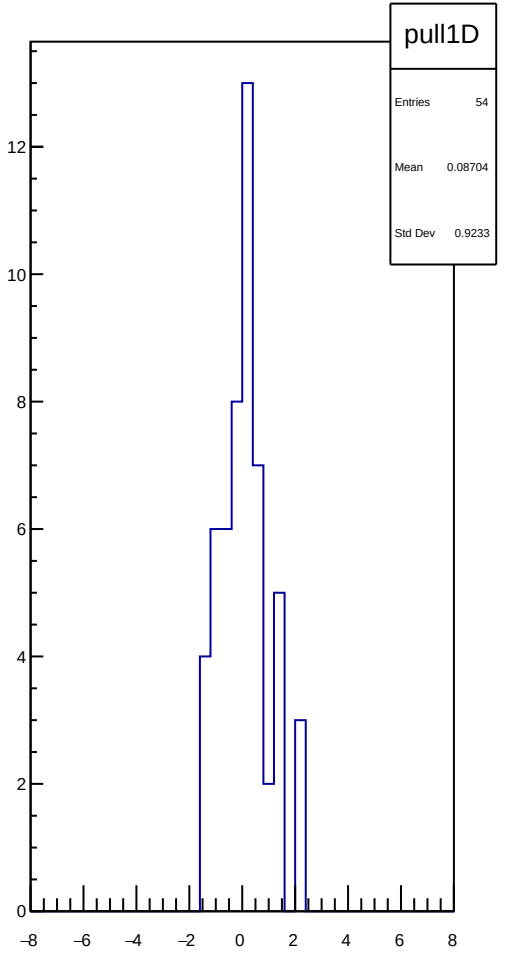

asym_sam_15_avg_eigen_dit_correction_rms vs run
χ² / ndf 2.011e+04 / 53
p0 515.4 ± 0.5121
650
600
550
500
450
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

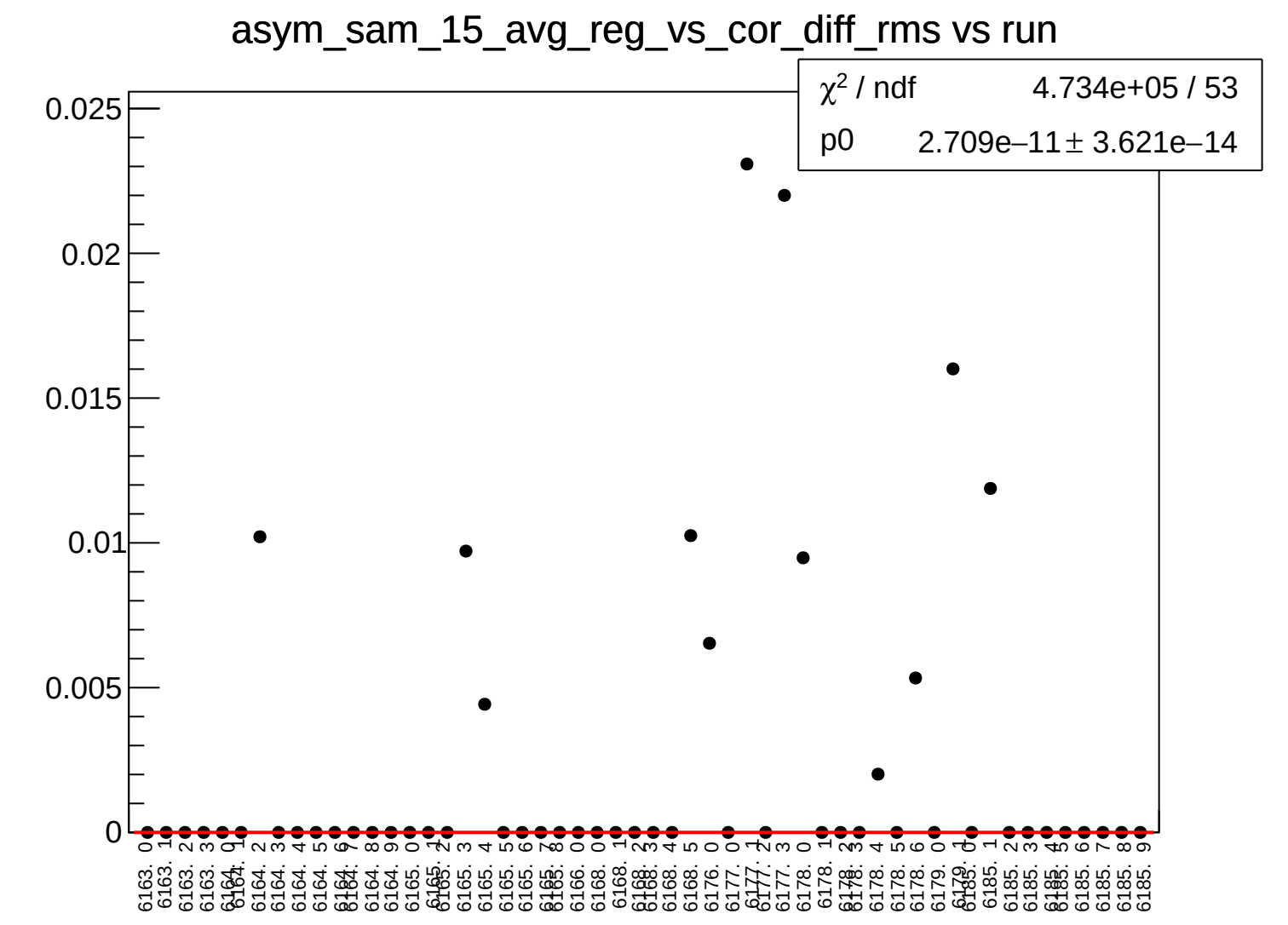

asym_sam_15_avg_mean vs run
χ² / ndf 64.62 / 53
p0 −552.3 ± 704.4
20000
10000
0
−10000
−20000
pull
Entries 54
Mean −37.54
Std Dev 0
3
2
1
0
−1
−2

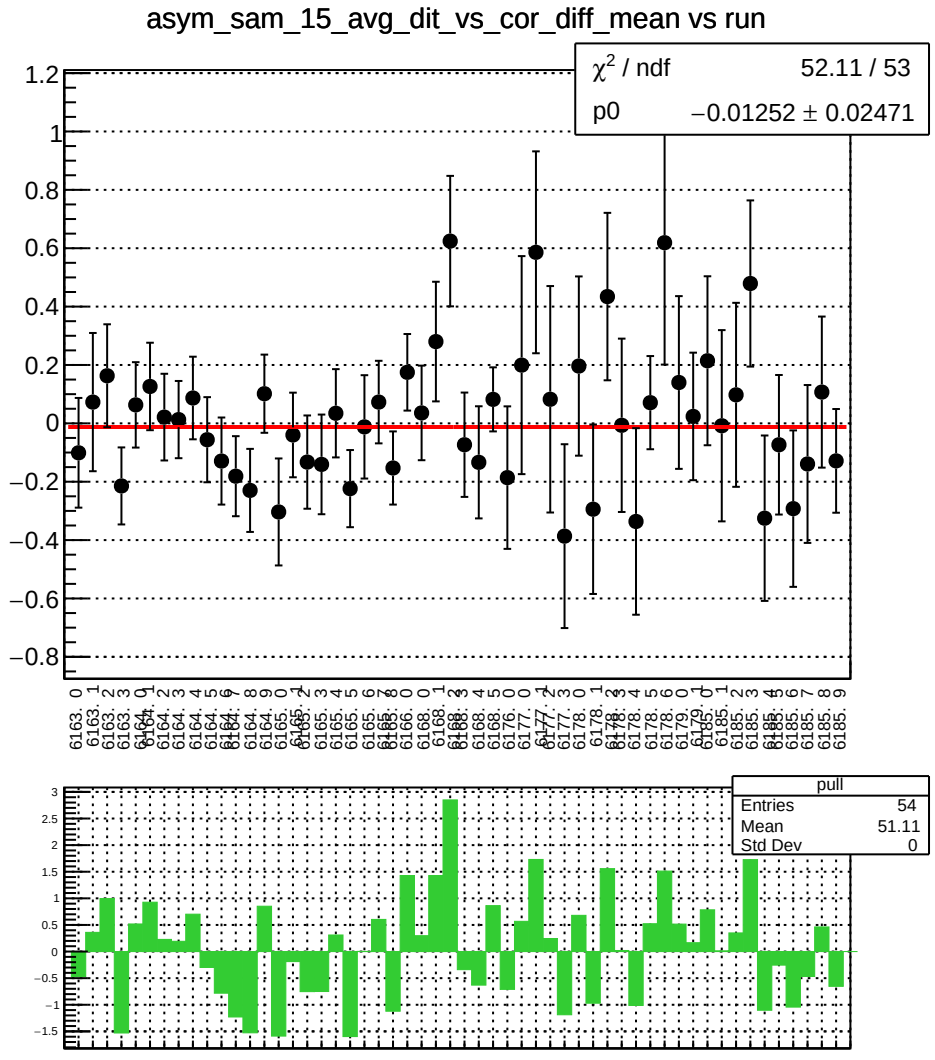

pull1D
Entries 54
Mean −0.02533
Std Dev 1.094
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

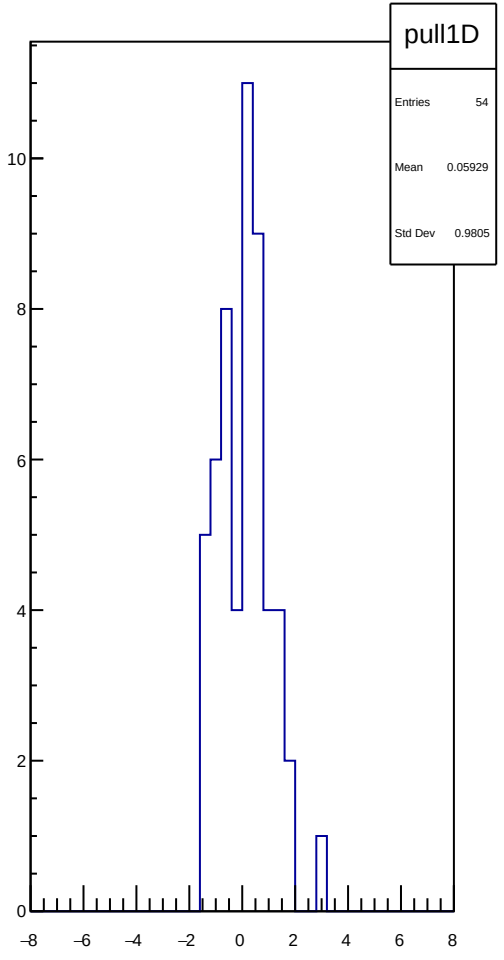

asym_sam_15_avg_rms vs run
χ² / ndf 2.673e+04 / 53
p0 499.7 ± 0.4981
650
600
550
500
450
400
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

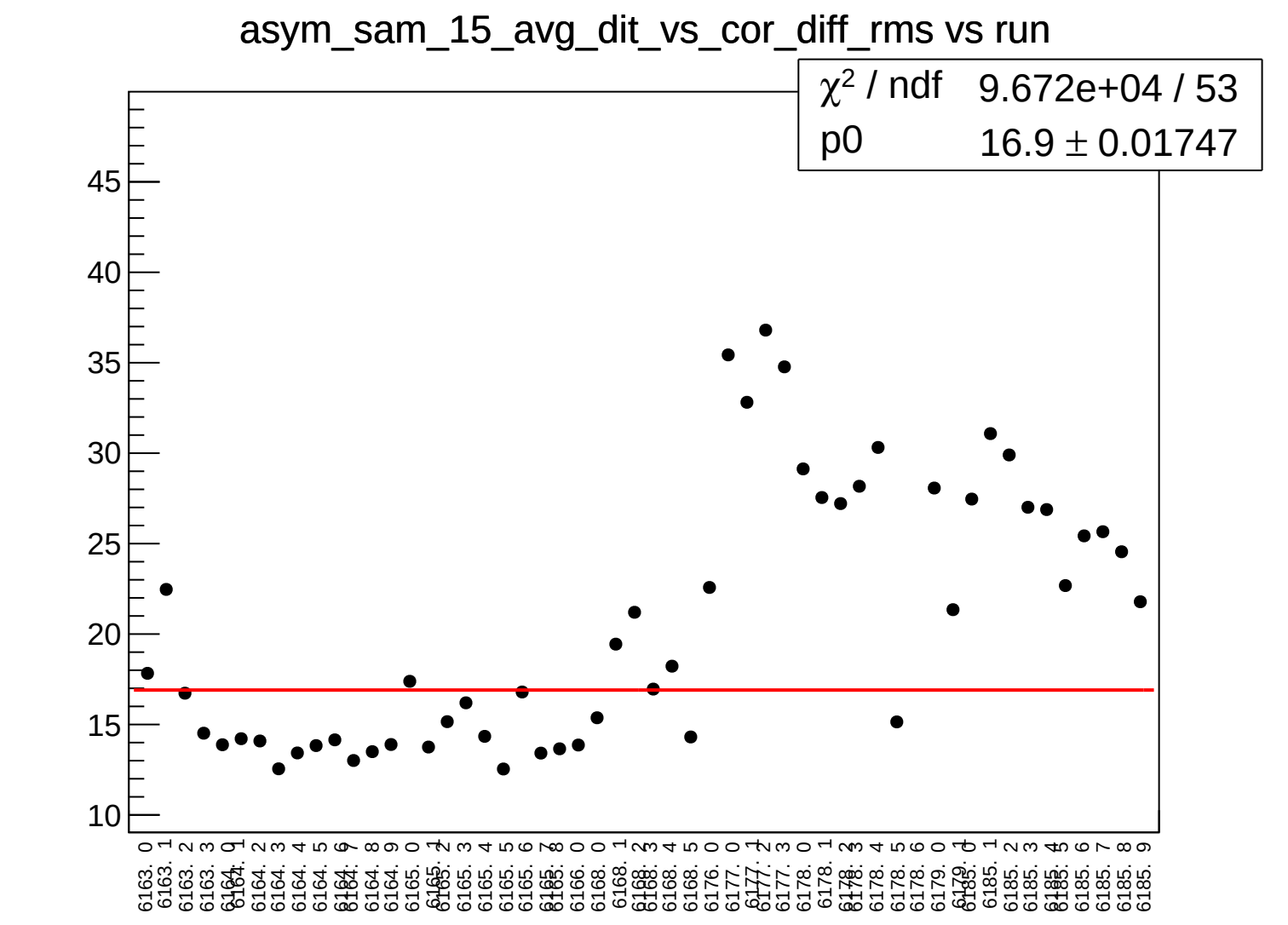

asym_sam_15_avg_reg_vs_cor_diff_mean vs run
×10^−3
χ² / ndf 46.44 / 53
p0 −8.288e−16 ± 5.12e−14
pull
Entries 54
Mean 31.08
Std Dev 0

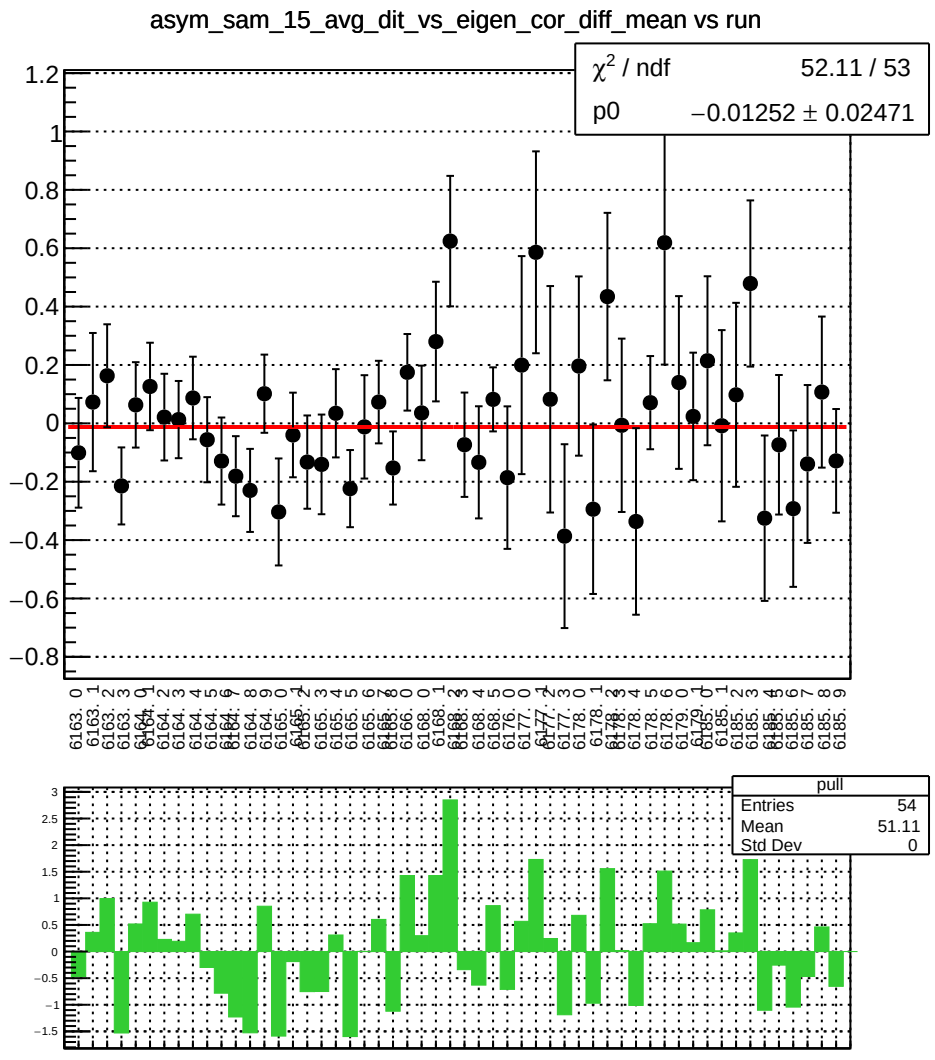

pull1D
Entries 54
Mean 0.08704
Std Dev 0.9233

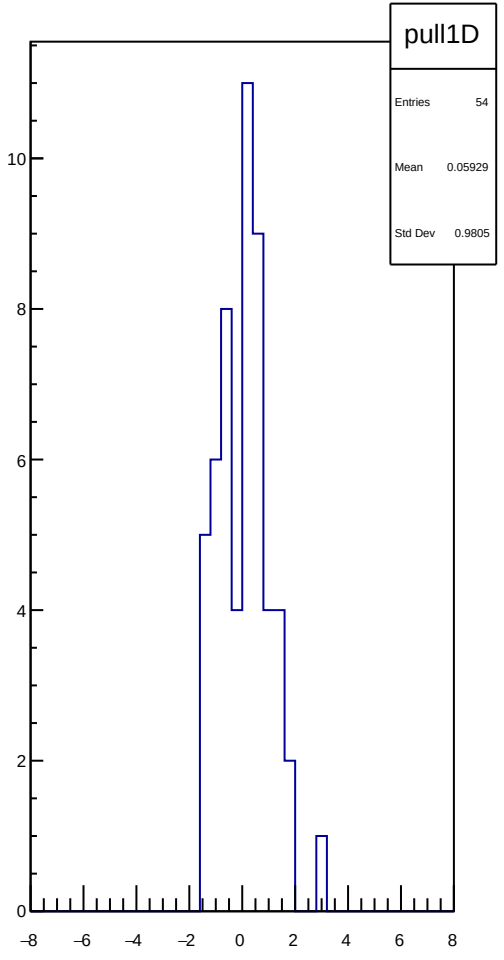

asym_sam_15_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 4.734e+05 / 53
p0 2.709e−11 ± 3.621e−14
0.025
0.02
0.015
0.01
0.005
0
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 5
6176. 0
6177. 0
6177. 1
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

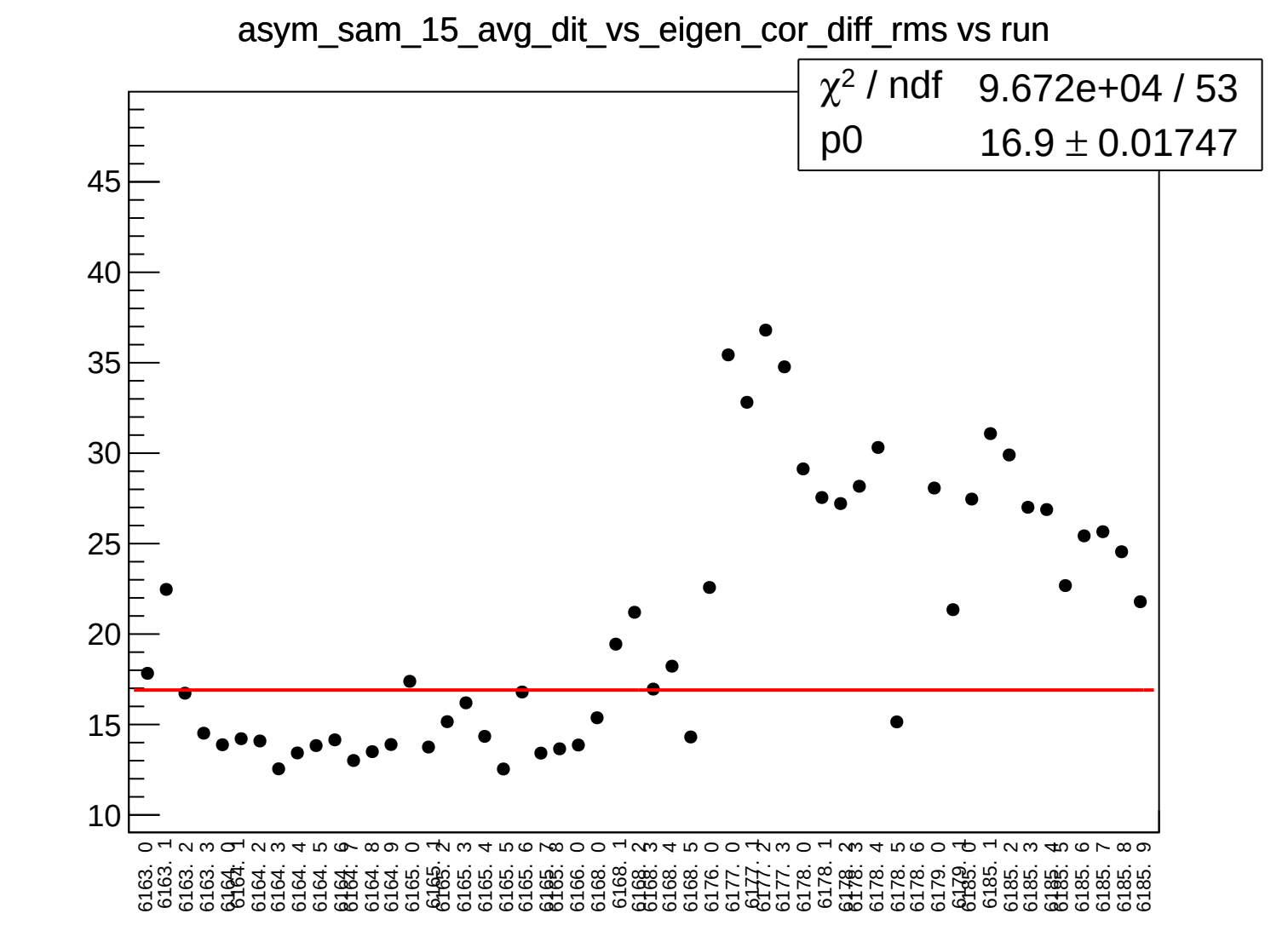

asym_sam_15_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 52.11 / 53
p0 −0.01252 ± 0.02471
pull
Entries 54
Mean 51.11
Std Dev 0

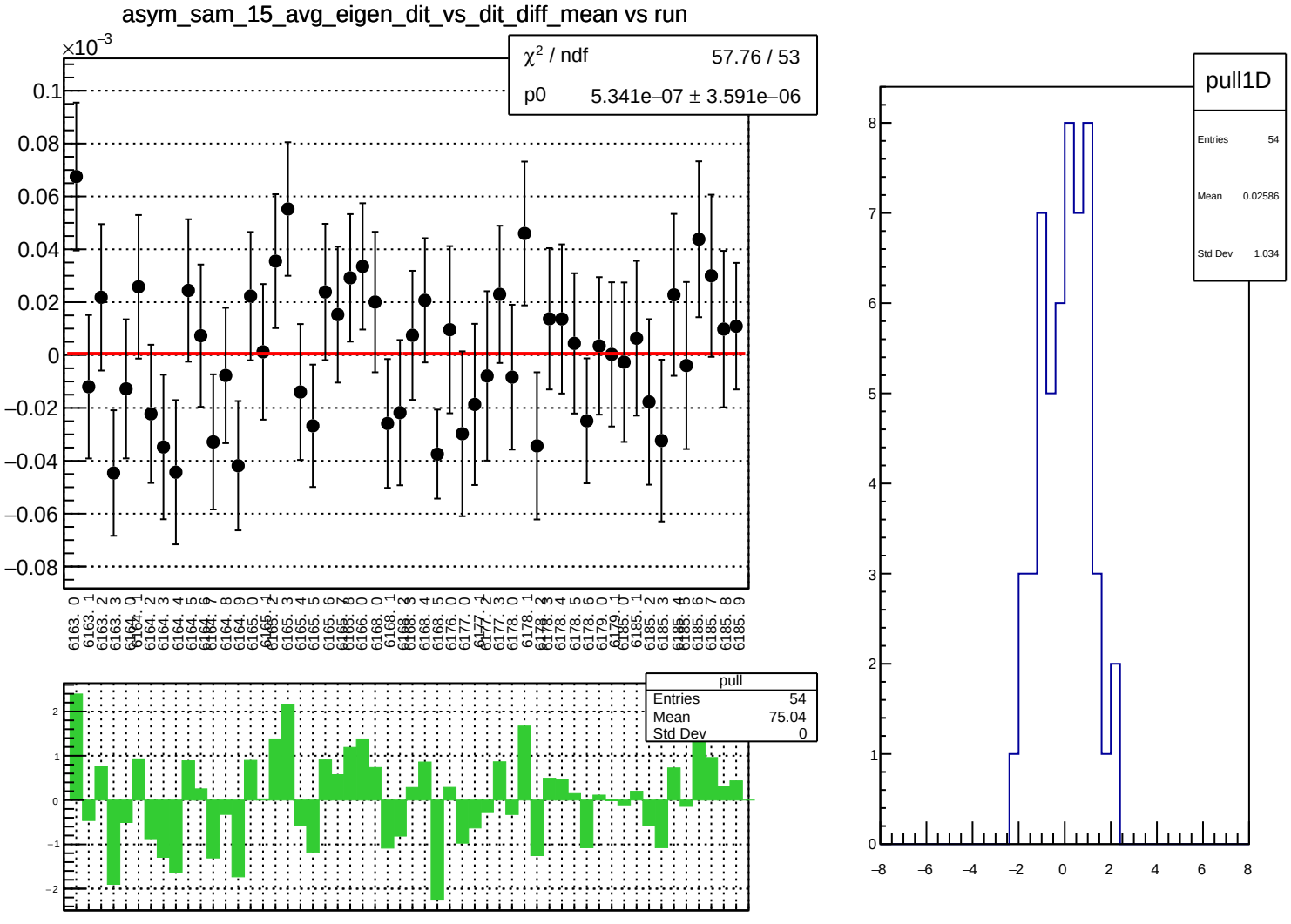

pull1D
Entries 54
Mean 0.05929
Std Dev 0.9805

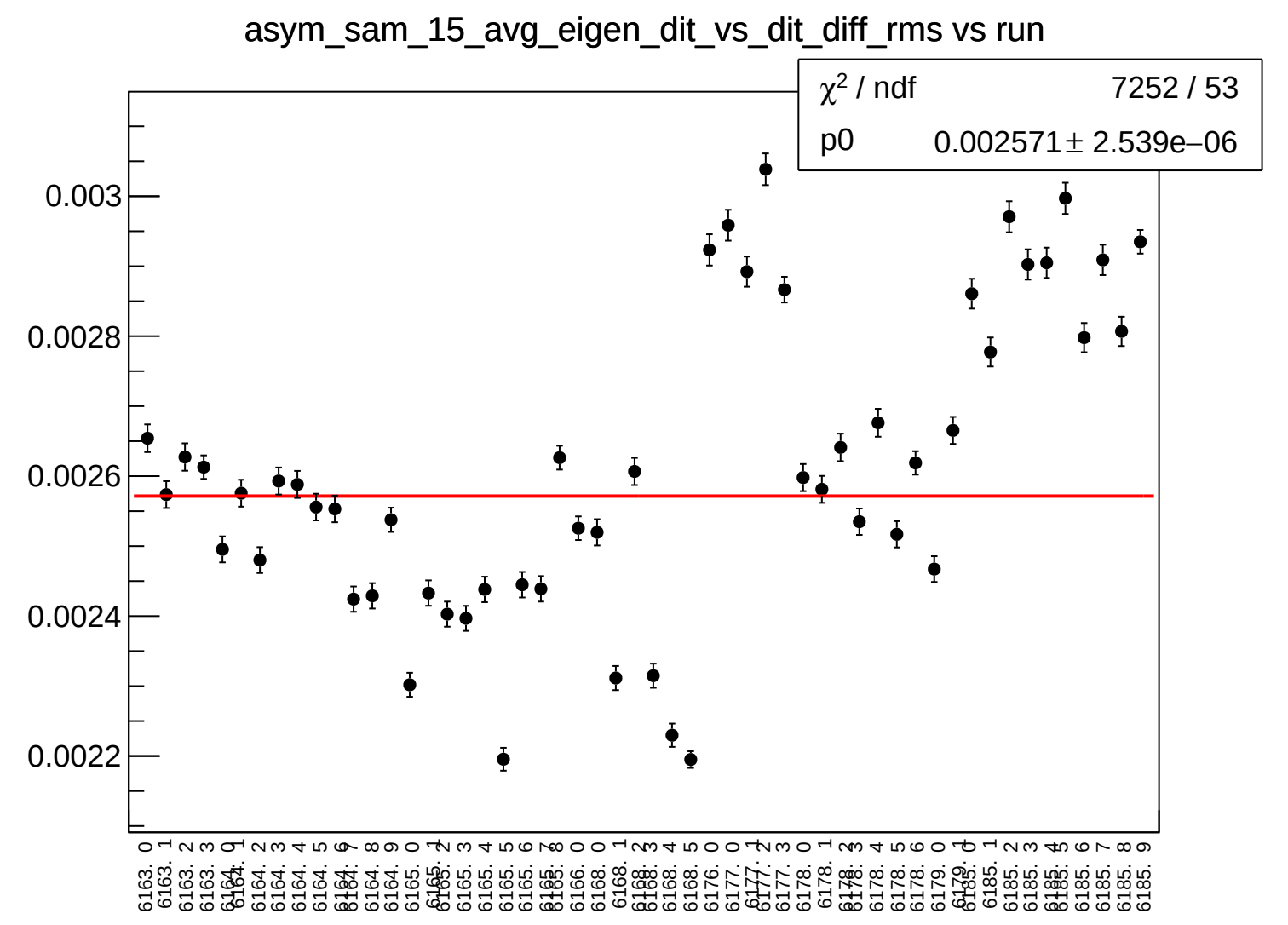

asym_sam_15_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 9.672e+04 / 53
p0 16.9 ± 0.01747
45
40
35
30
25
20
15
10
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

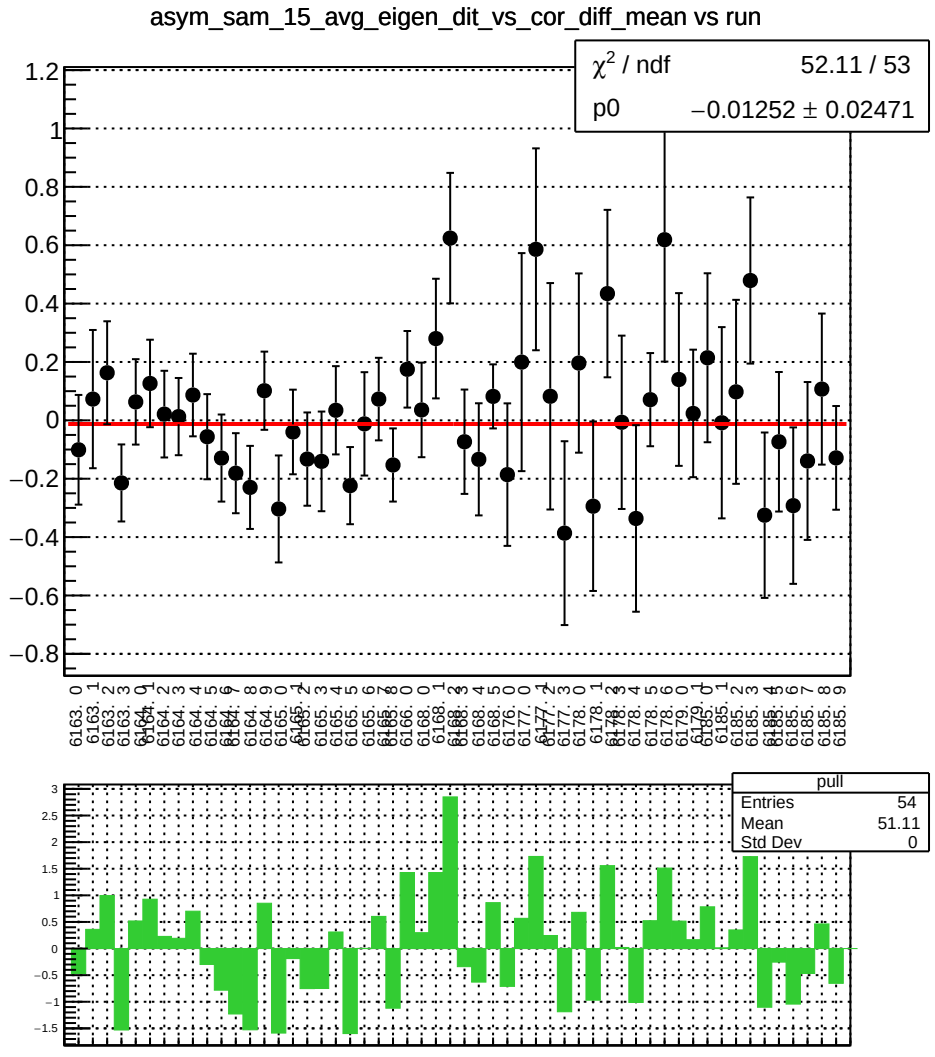

asym_sam_15_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 52.11 / 53
p0 −0.01252 ± 0.02471
pull
Entries 54
Mean 51.11
Std Dev 0

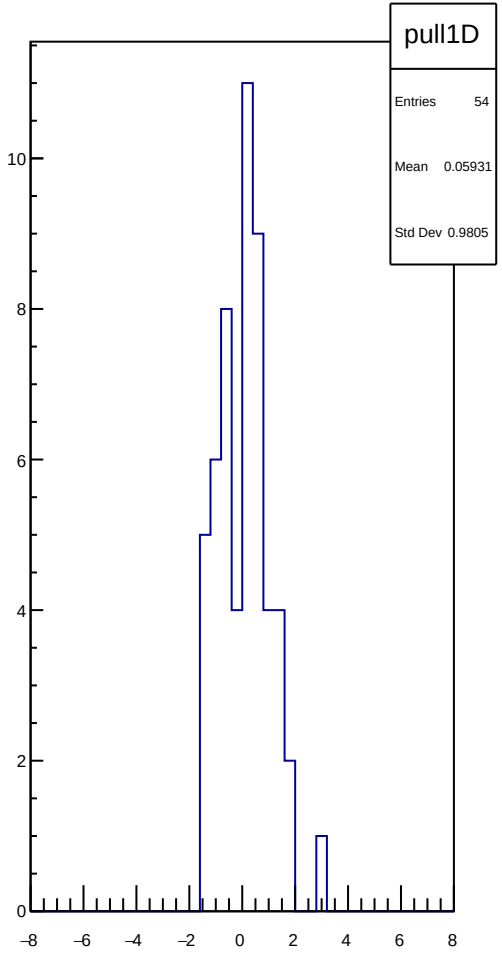

pull1D
Entries 54
Mean 0.05929
Std Dev 0.9805

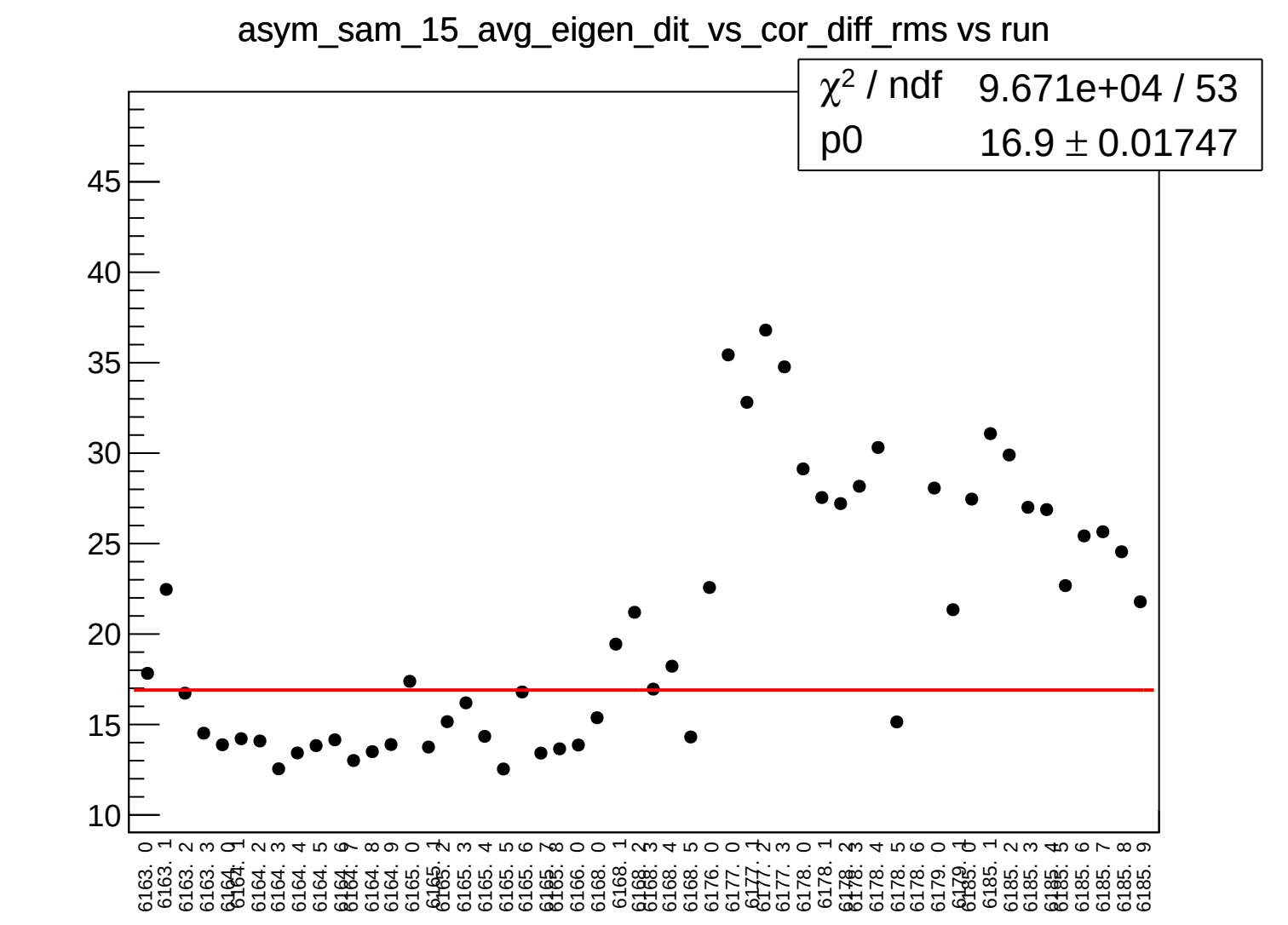

asym_sam_15_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.672e+04 / 53
p0 16.9 ± 0.01747
45
40
35
30
25
20
15
10
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

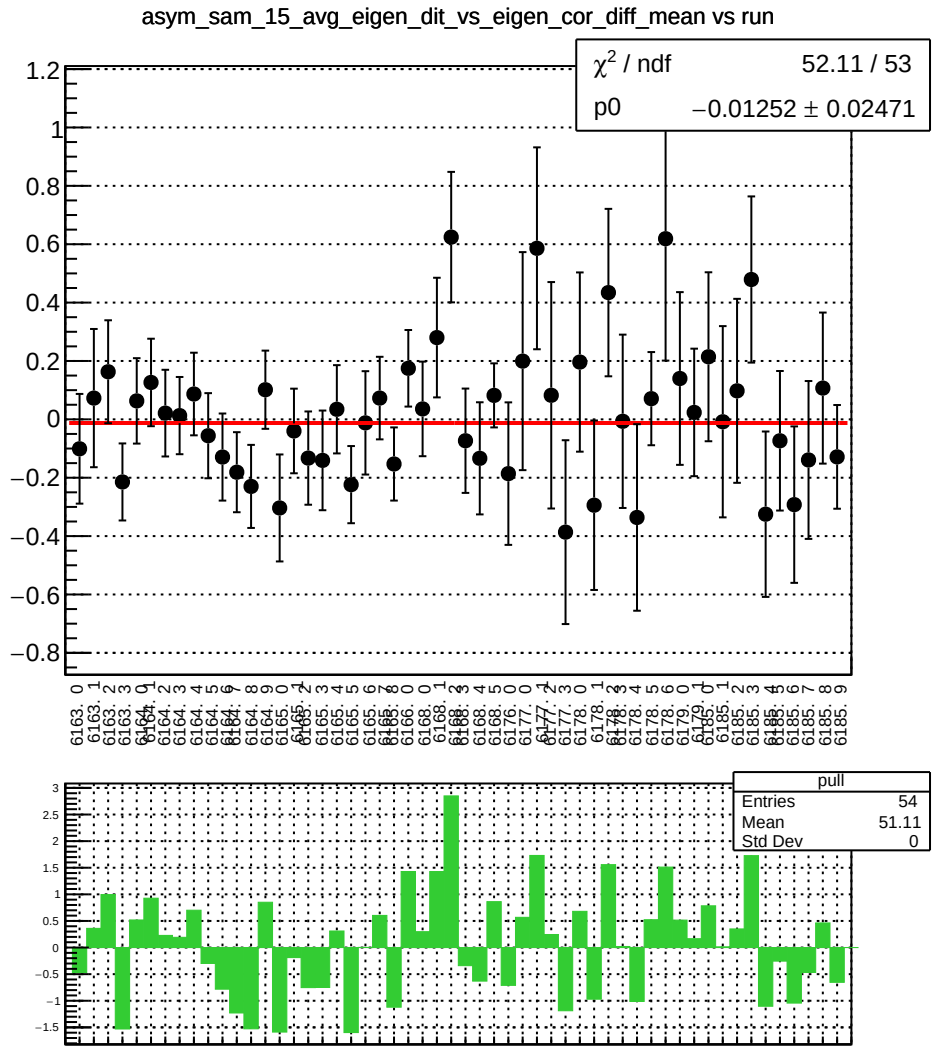

asym_sam_15_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 57.76 / 53
p0 5.341e−07 ± 3.591e−06
pull
Entries 54
Mean 75.04
Std Dev 0
pull1D
Entries 54
Mean 0.02586
Std Dev 1.034

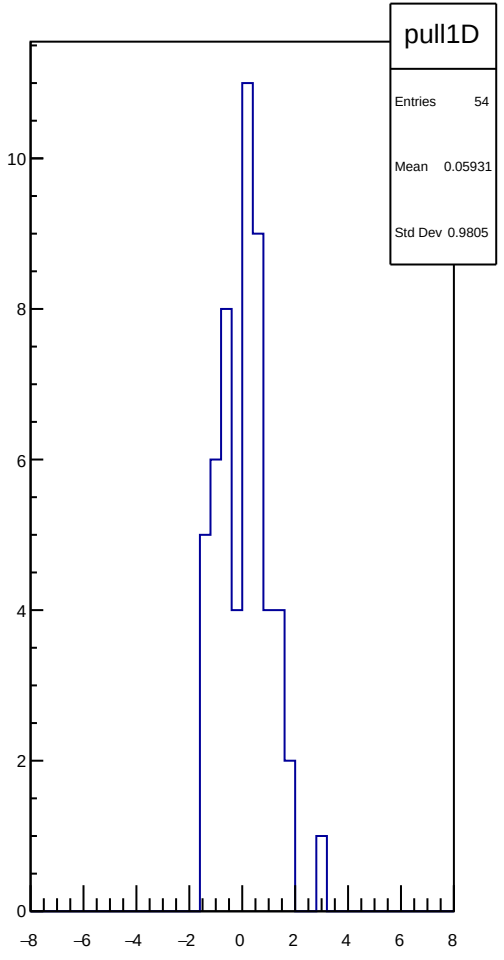

asym_sam_15_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 7252 / 53
p0 0.002571 ± 2.539e−06
0.003
0.0028
0.0026
0.0024
0.0022
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

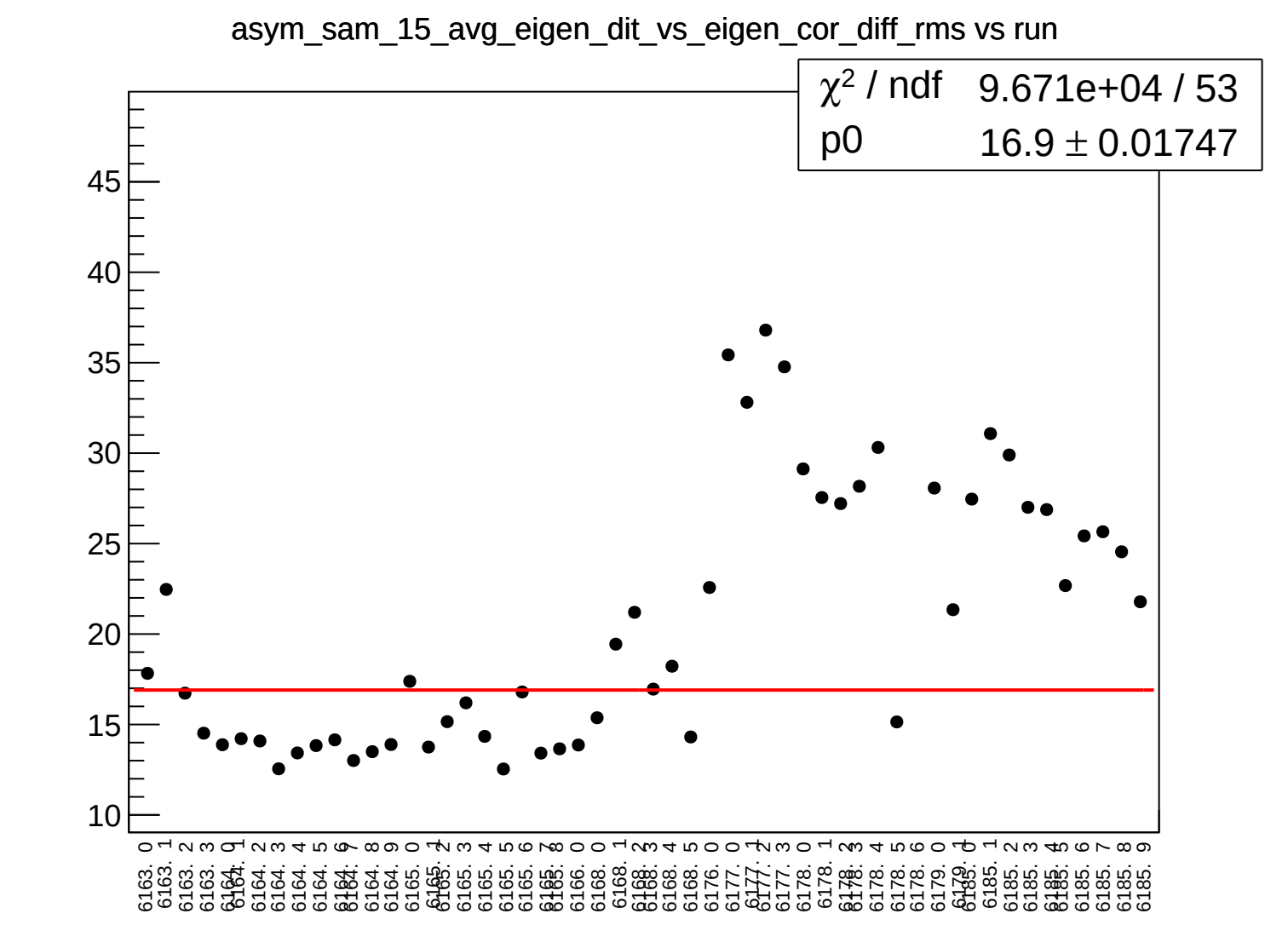

asym_sam_15_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 52.11 / 53
p0 −0.01252 ± 0.02471
pull
Entries 54
Mean 51.11
Std Dev 0


pull1D
Entries 54
Mean 0.05931
Std Dev 0.9805


asym_sam_15_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 9.671e+04 / 53
p0 16.9 ± 0.01747
45
40
35
30
25
20
15
10
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


asym_sam_15_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 52.11 / 53
p0 −0.01252 ± 0.02471
pull
Entries 54
Mean 51.11
Std Dev 0


pull1D
Entries 54
Mean 0.05931
Std Dev 0.9805


asym_sam_15_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.671e+04 / 53
p0 16.9 ± 0.01747
45
40
35
30
25
20
15
10
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
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6179. 0
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6185. 2
6185. 3
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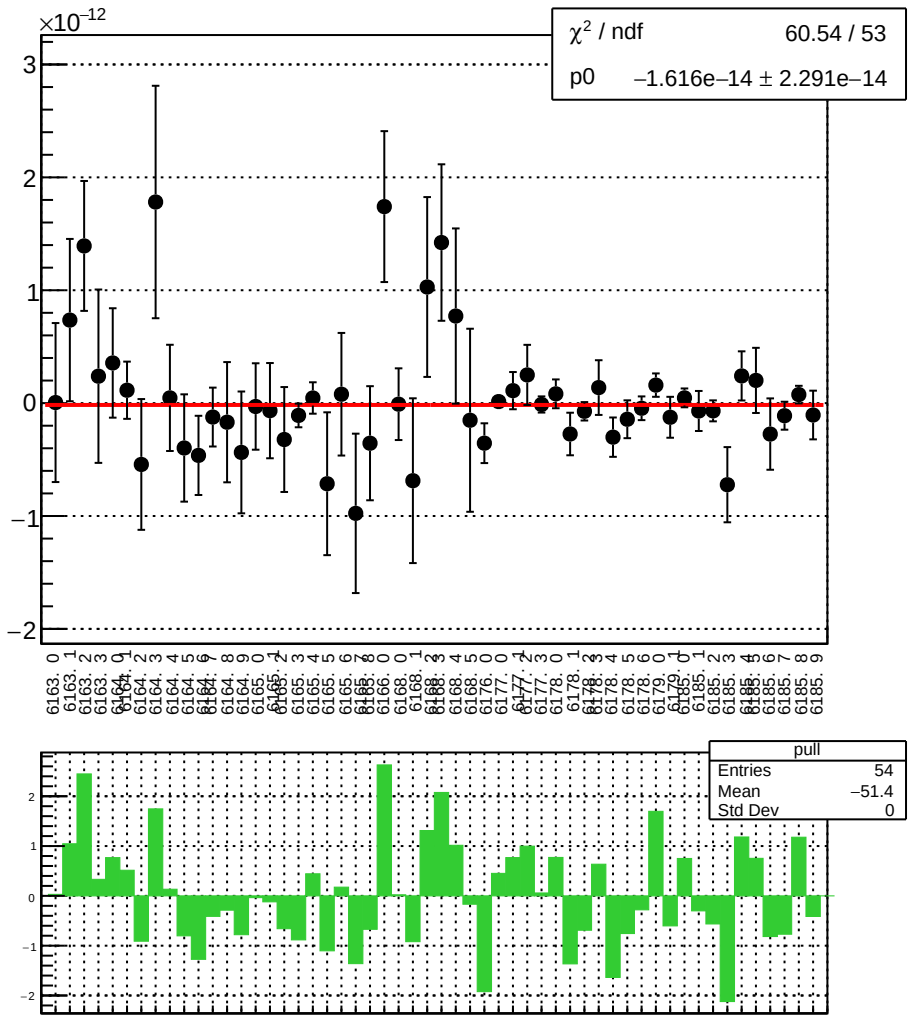
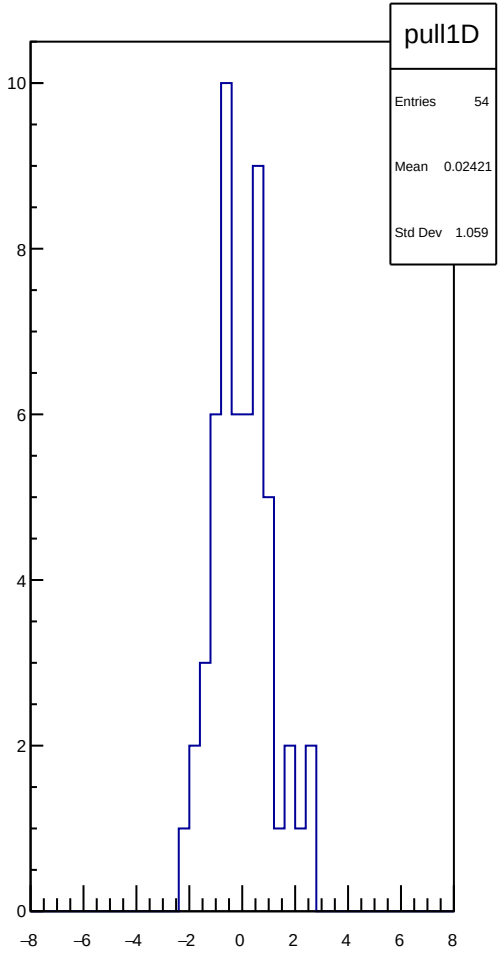
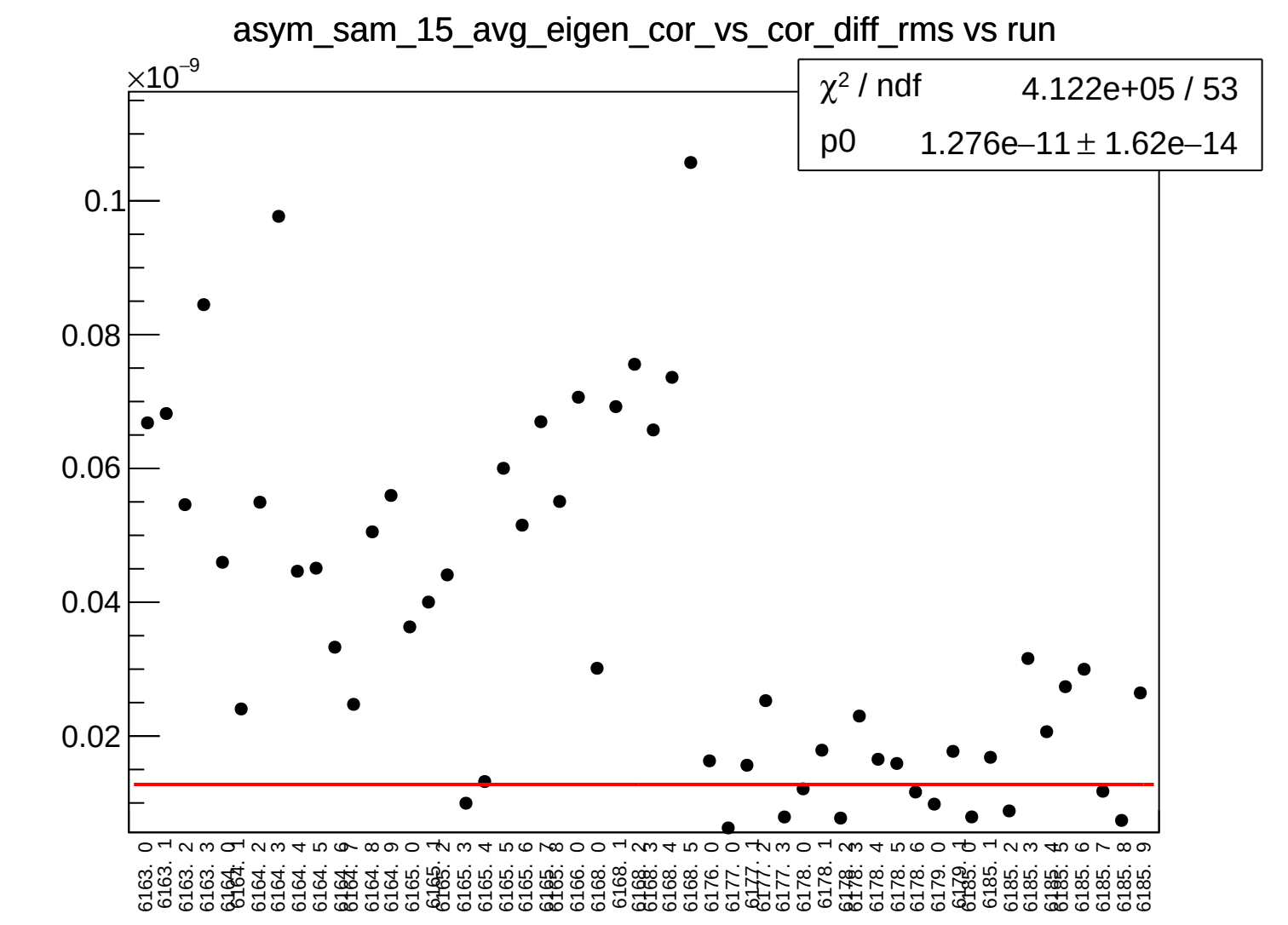
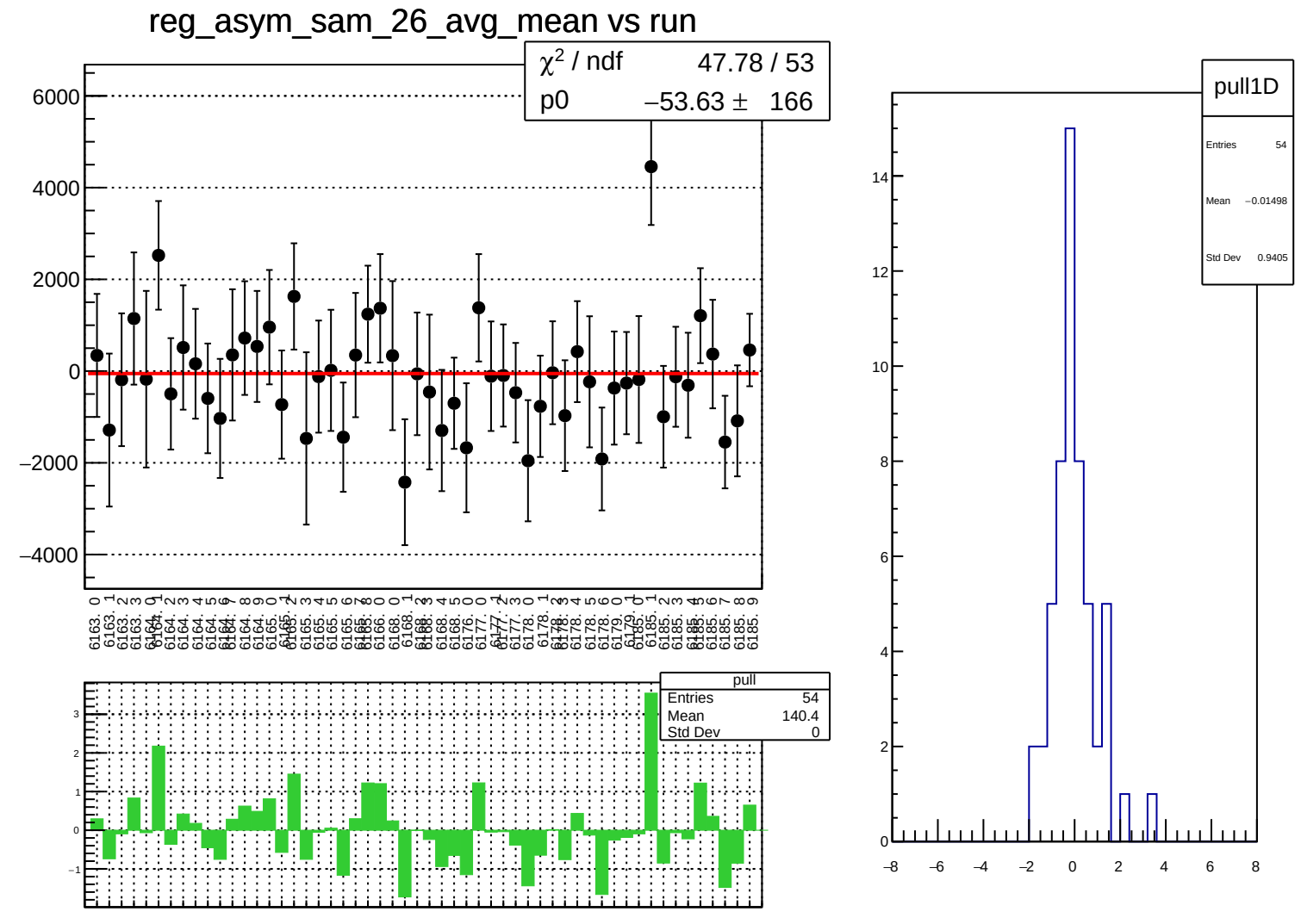
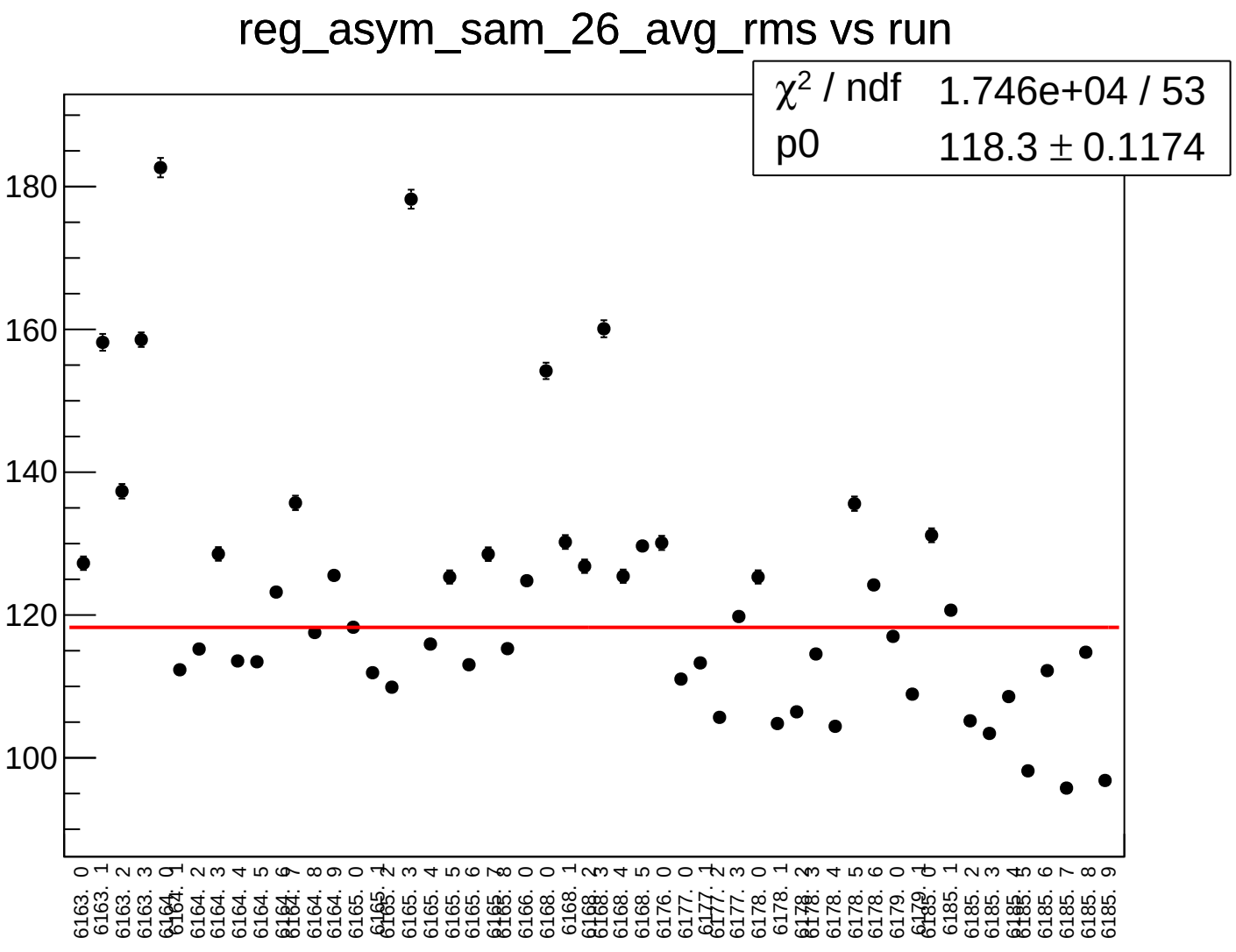
6185. 8
6185. 9

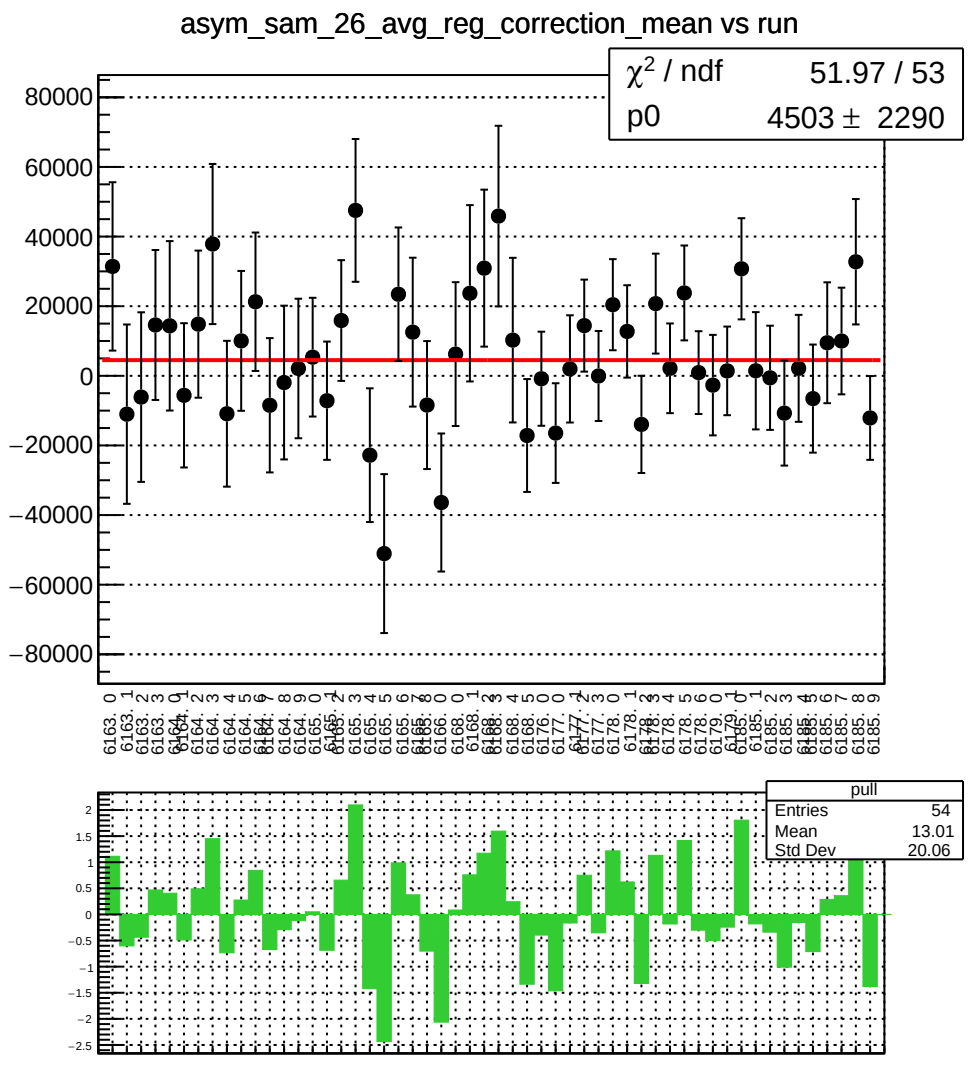

asym_sam_15_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 60.54 / 53
p0 −1.616e−14 ± 2.291e−14
pull
Entries 54
Mean −51.4
Std Dev 0

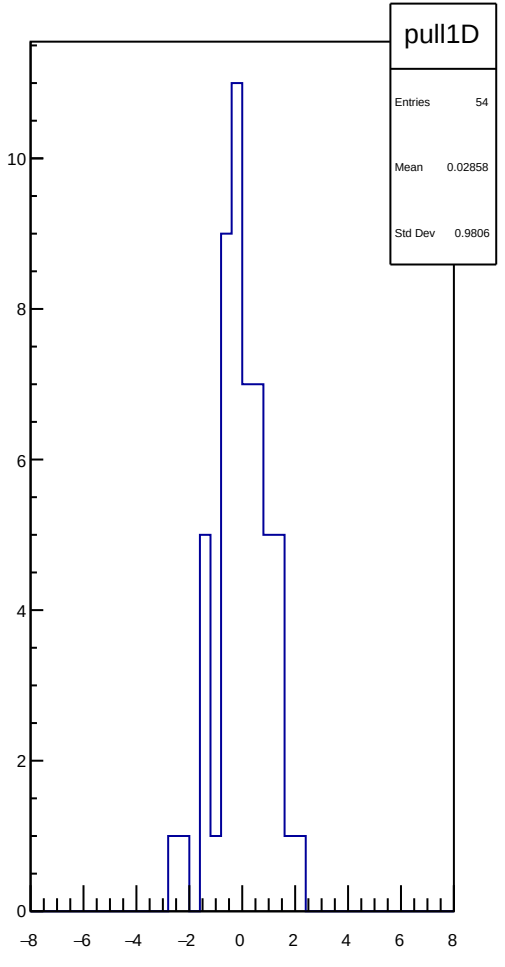

pull1D
Entries 54
Mean 0.02421
Std Dev 1.059

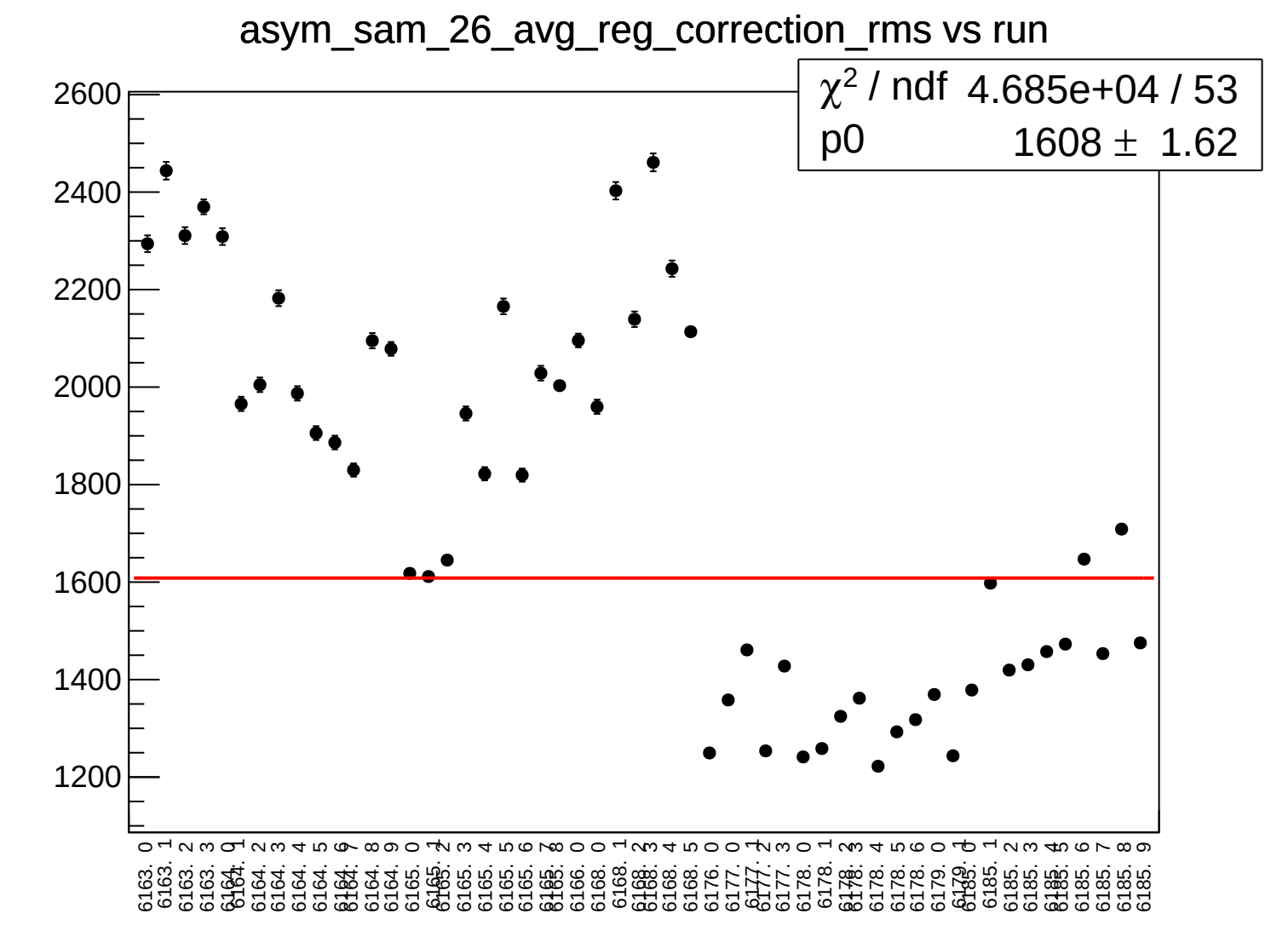

asym_sam_15_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.122e+05 / 53
p0 1.276e−11 ± 1.62e−14
0.1
0.08
0.06
0.04
0.02
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


reg_asym_sam_26_avg_mean vs run
χ² / ndf 47.78 / 53
p0 −53.63 ± 166
pull
Entries 54
Mean 140.4
Std Dev 0
pull1D
Entries 54
Mean −0.01498
Std Dev 0.9405


reg_asym_sam_26_avg_rms vs run
χ² / ndf 1.746e+04 / 53
p0 118.3 ± 0.1174
180
160
140
120
100
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


asym_sam_26_avg_reg_correction_mean vs run
χ² / ndf 51.97 / 53
p0 4503 ± 2290
pull
Entries 54
Mean 13.01
Std Dev 20.06


pull1D
Entries 54
Mean 0.02858
Std Dev 0.9806


asym_sam_26_avg_reg_correction_rms vs run
χ² / ndf 4.685e+04 / 53
p0 1608 ± 1.62
2600
2400
2200
2000
1800
1600
1400
1200
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
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6179. 0
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6185. 6
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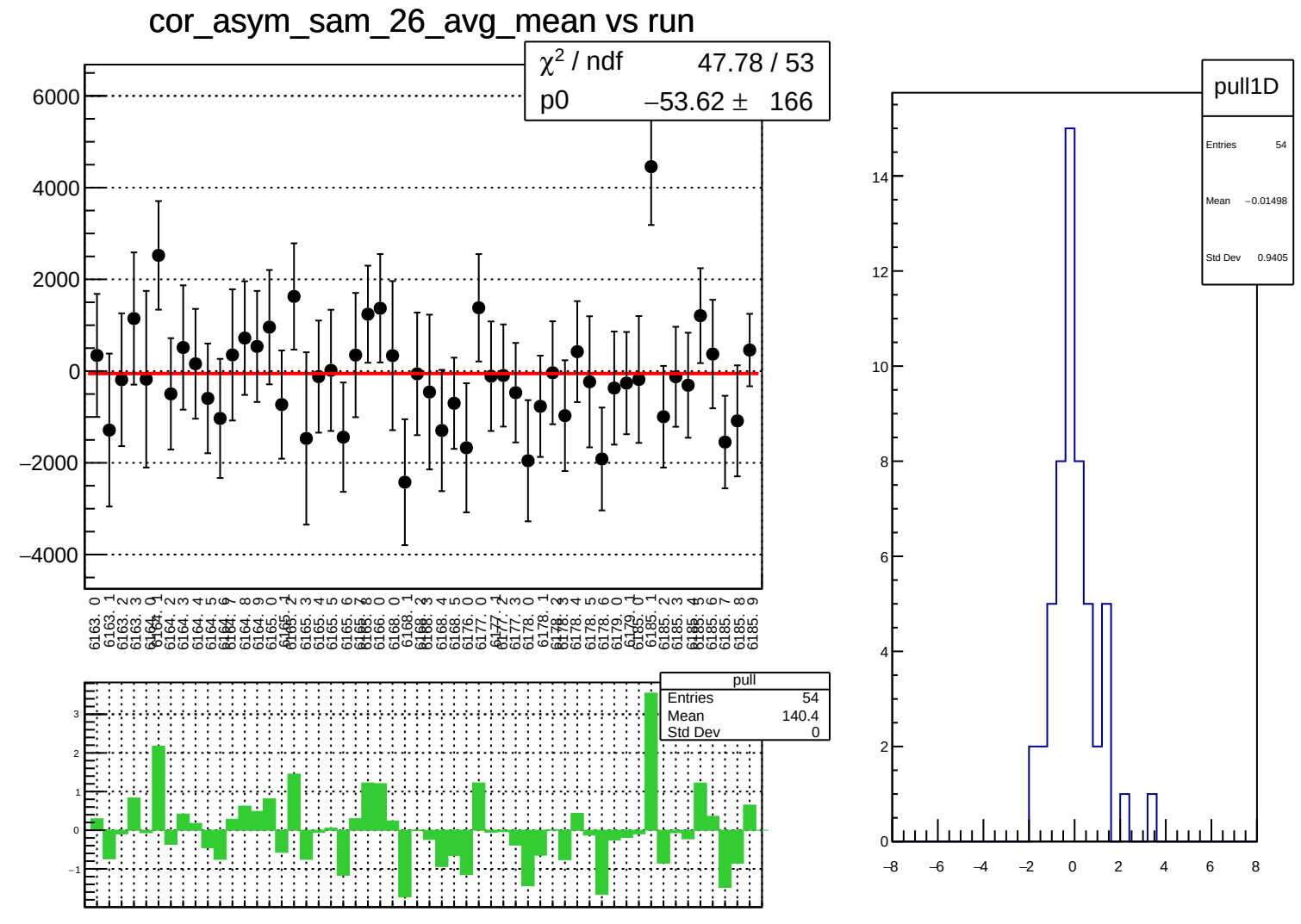
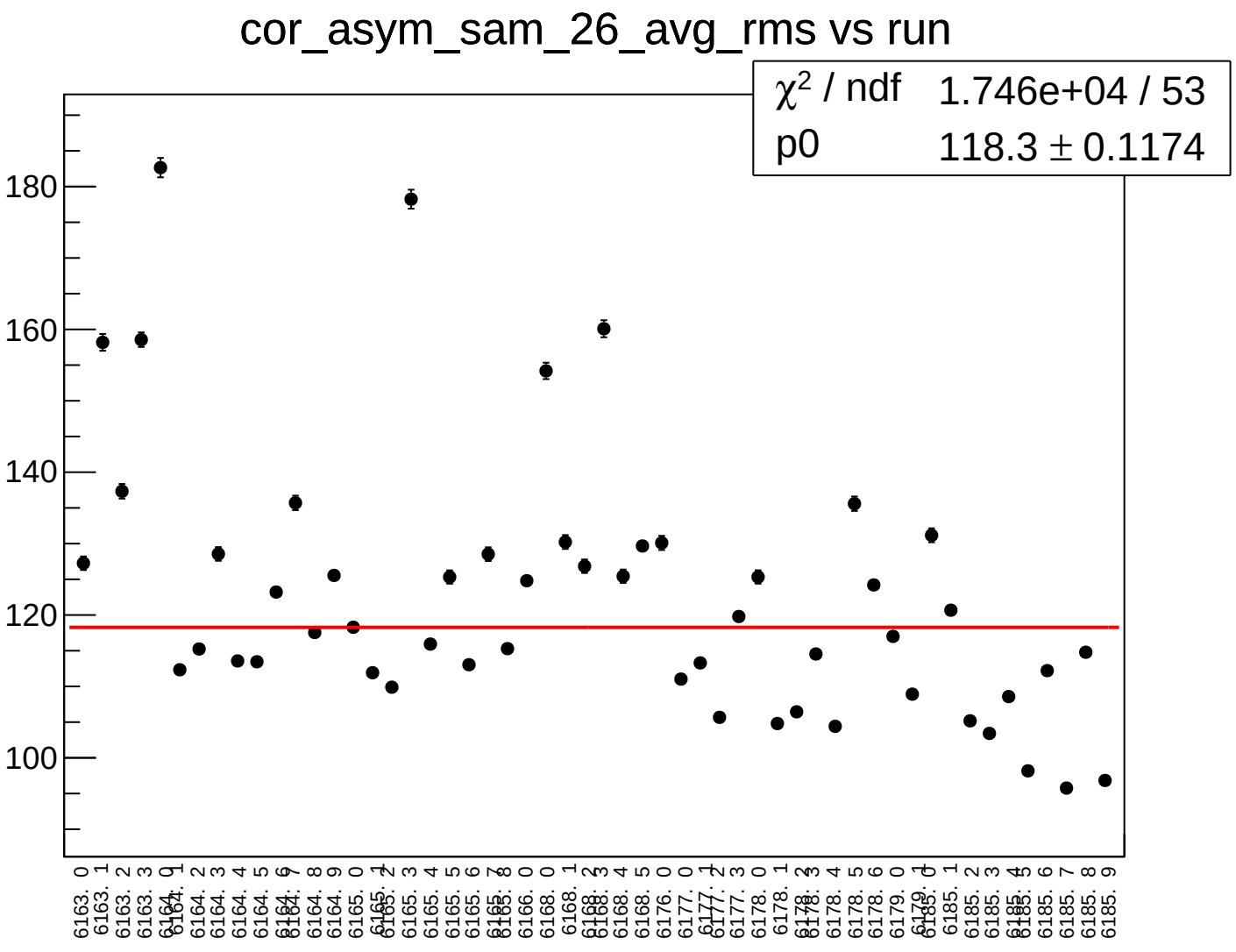
6185. 8
6185. 9


cor_asym_sam_26_avg_mean vs run
χ² / ndf 47.78 / 53
p0 −53.62 ± 166
pull
Entries 54
Mean 140.4
Std Dev 0
pull1D
Entries 54
Mean −0.01498
Std Dev 0.9405


cor_asym_sam_26_avg_rms vs run
χ² / ndf 1.746e+04 / 53
p0 118.3 ± 0.1174
180
160
140
120
100
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
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6178. 6
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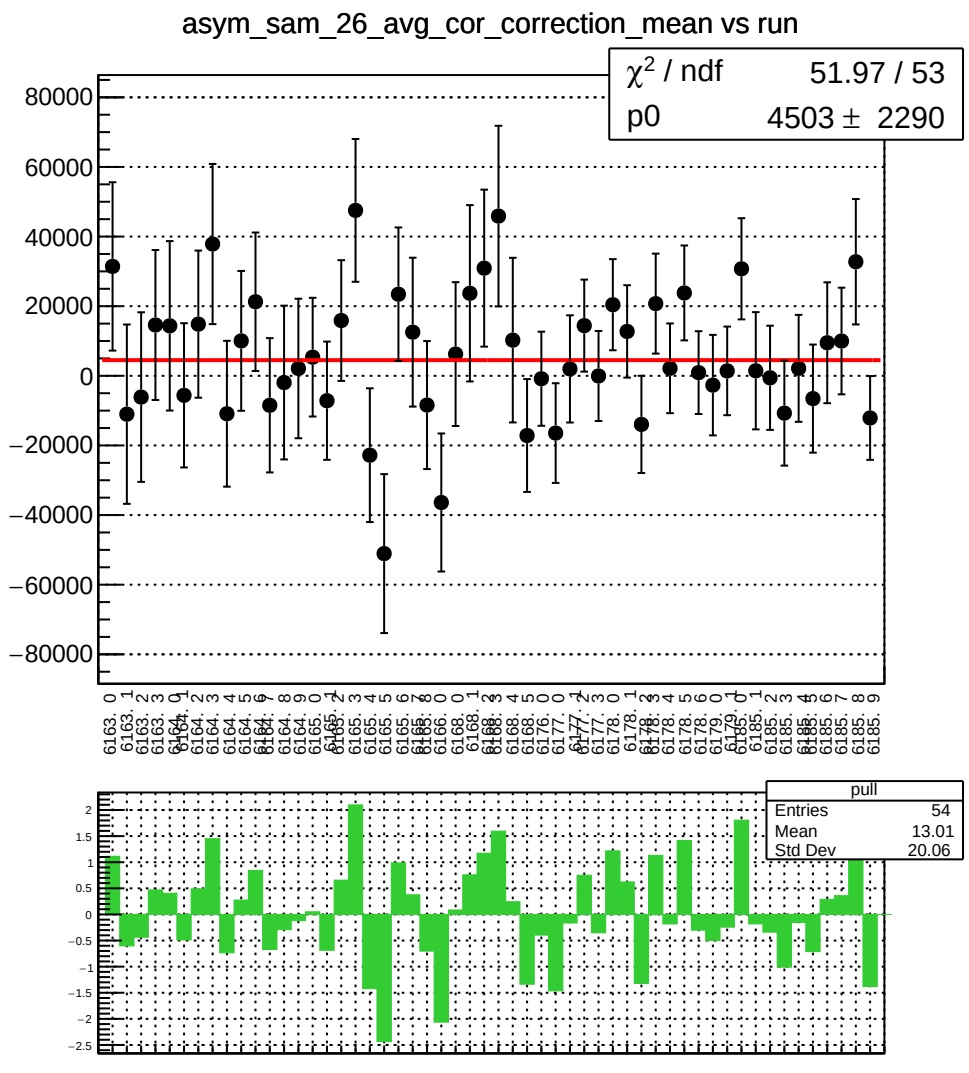
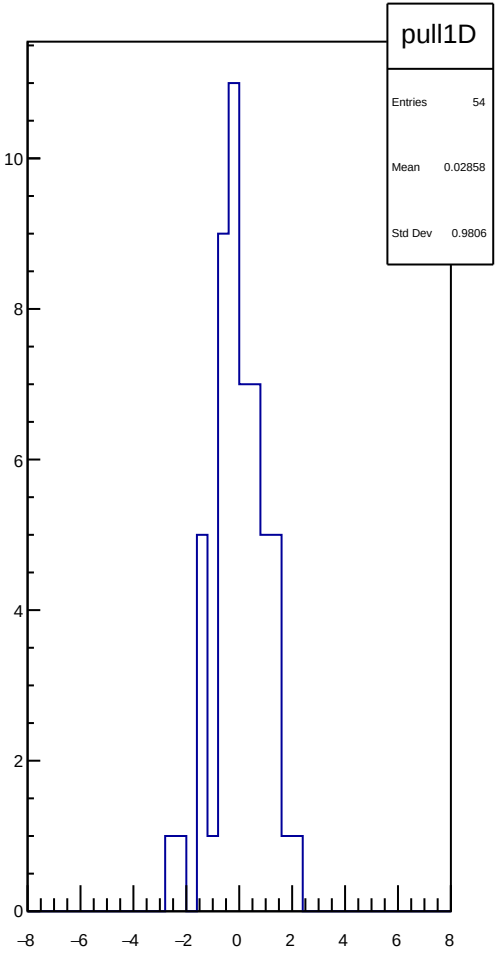
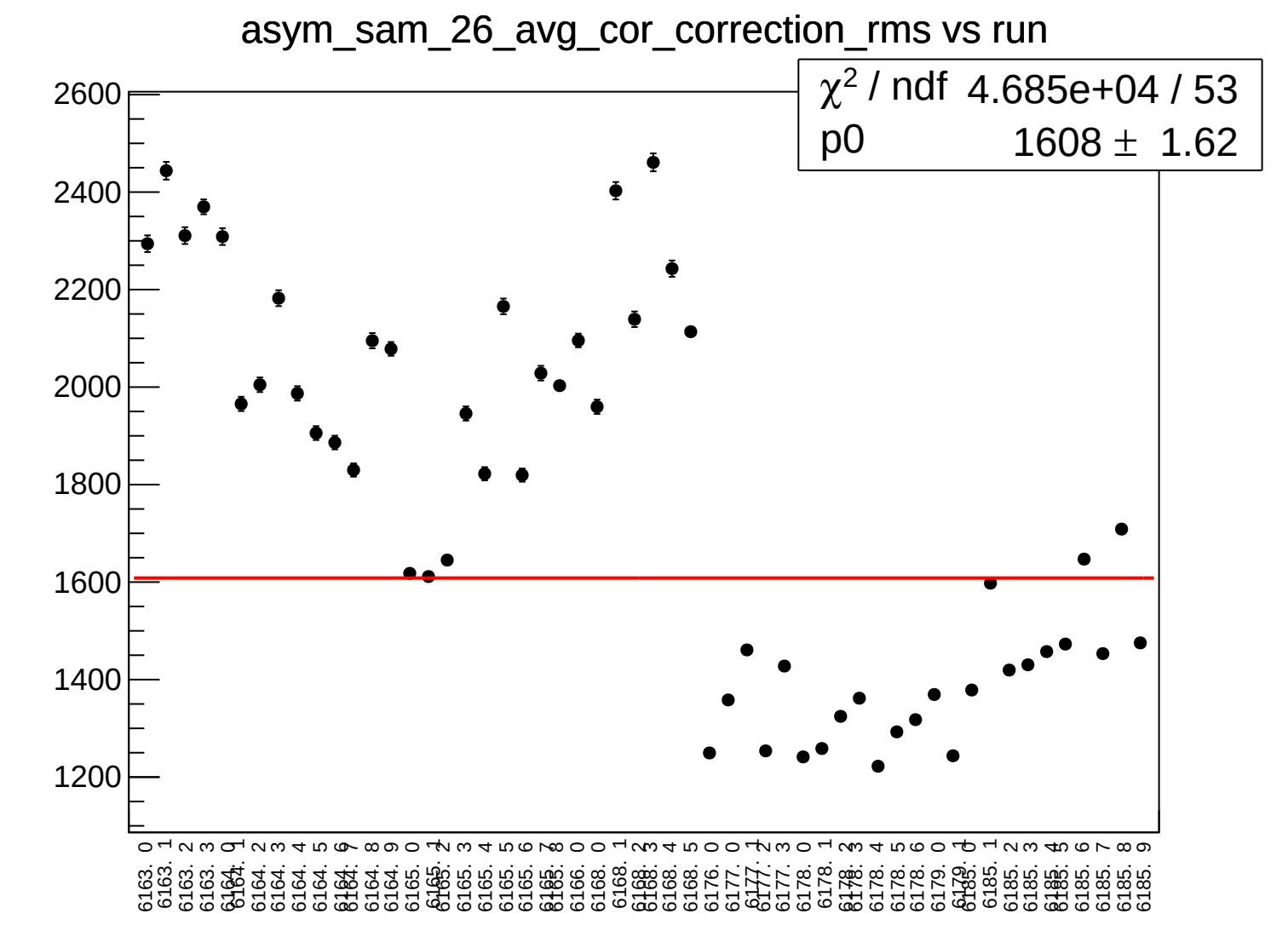
6185. 8
6185. 9


asym_sam_26_avg_cor_correction_mean vs run
χ² / ndf 51.97 / 53
p0 4503 ± 2290
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 54
Mean 13.01
Std Dev 20.06
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 54
Mean 0.02858
Std Dev 0.9806
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 4.685e+04 / 53
p0 1608 ± 1.62
2600
2400
2200
2000
1800
1600
1400
1200
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
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6179. 0
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6185. 2
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6185. 6
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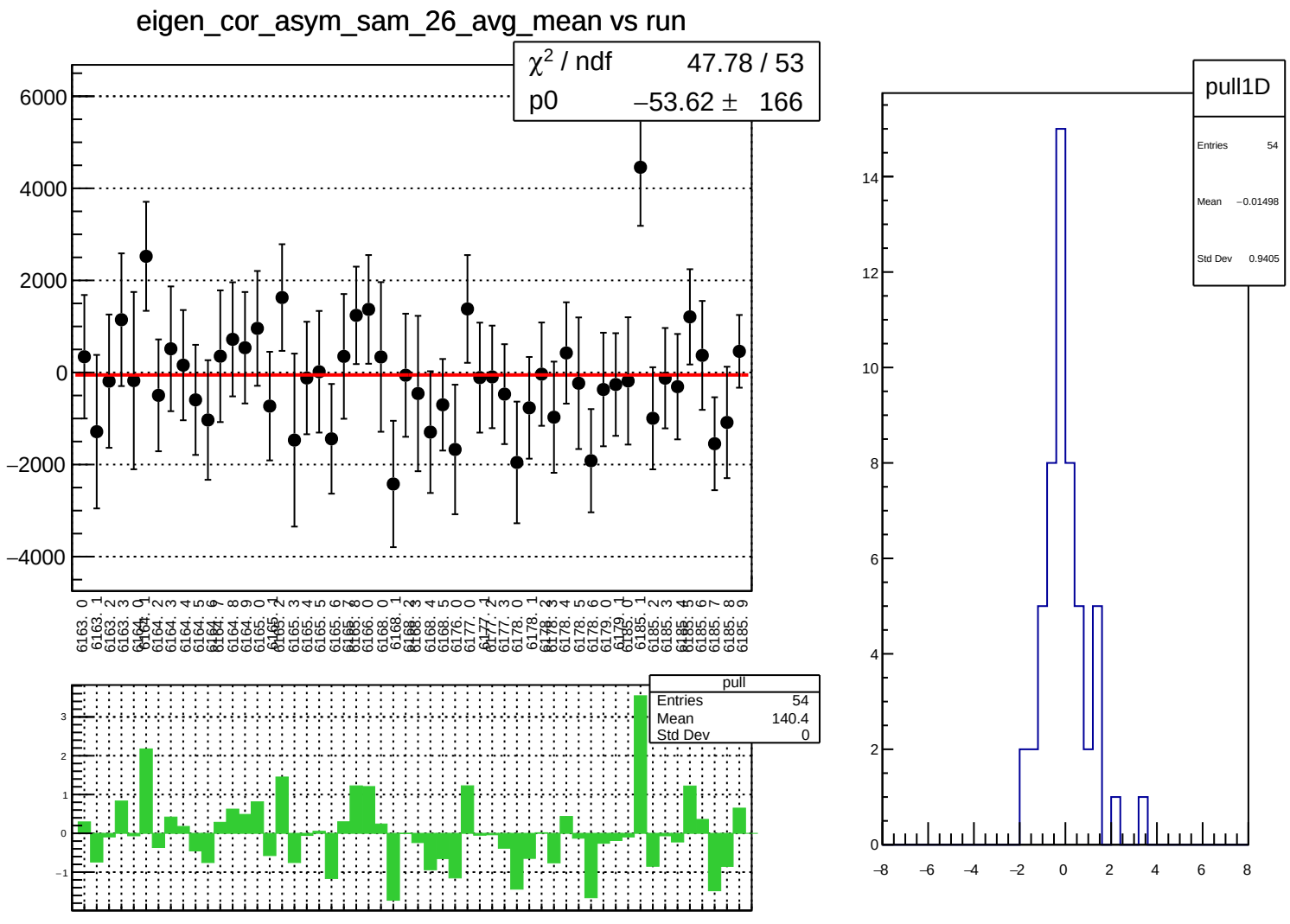
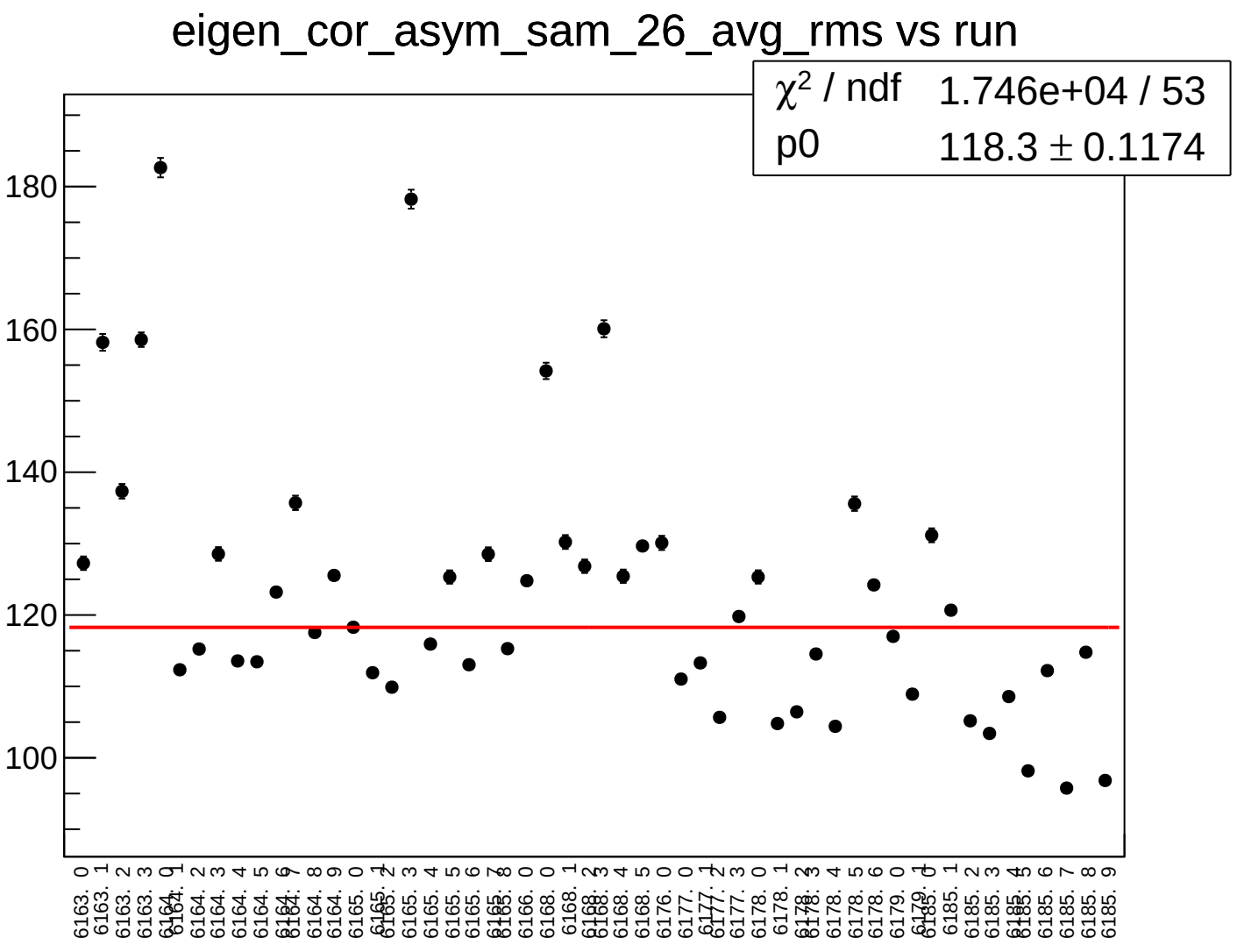
6185. 8
6185. 9


eigen_cor_asym_sam_26_avg_mean vs run
χ² / ndf 47.78 / 53
p0 −53.62 ± 166
pull
Entries 54
Mean 140.4
Std Dev 0
pull1D
Entries 54
Mean −0.01498
Std Dev 0.9405


eigen_cor_asym_sam_26_avg_rms vs run
χ² / ndf 1.746e+04 / 53
p0 118.3 ± 0.1174
180
160
140
120
100
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
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6178. 6
6179. 0
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6185. 2
6185. 3
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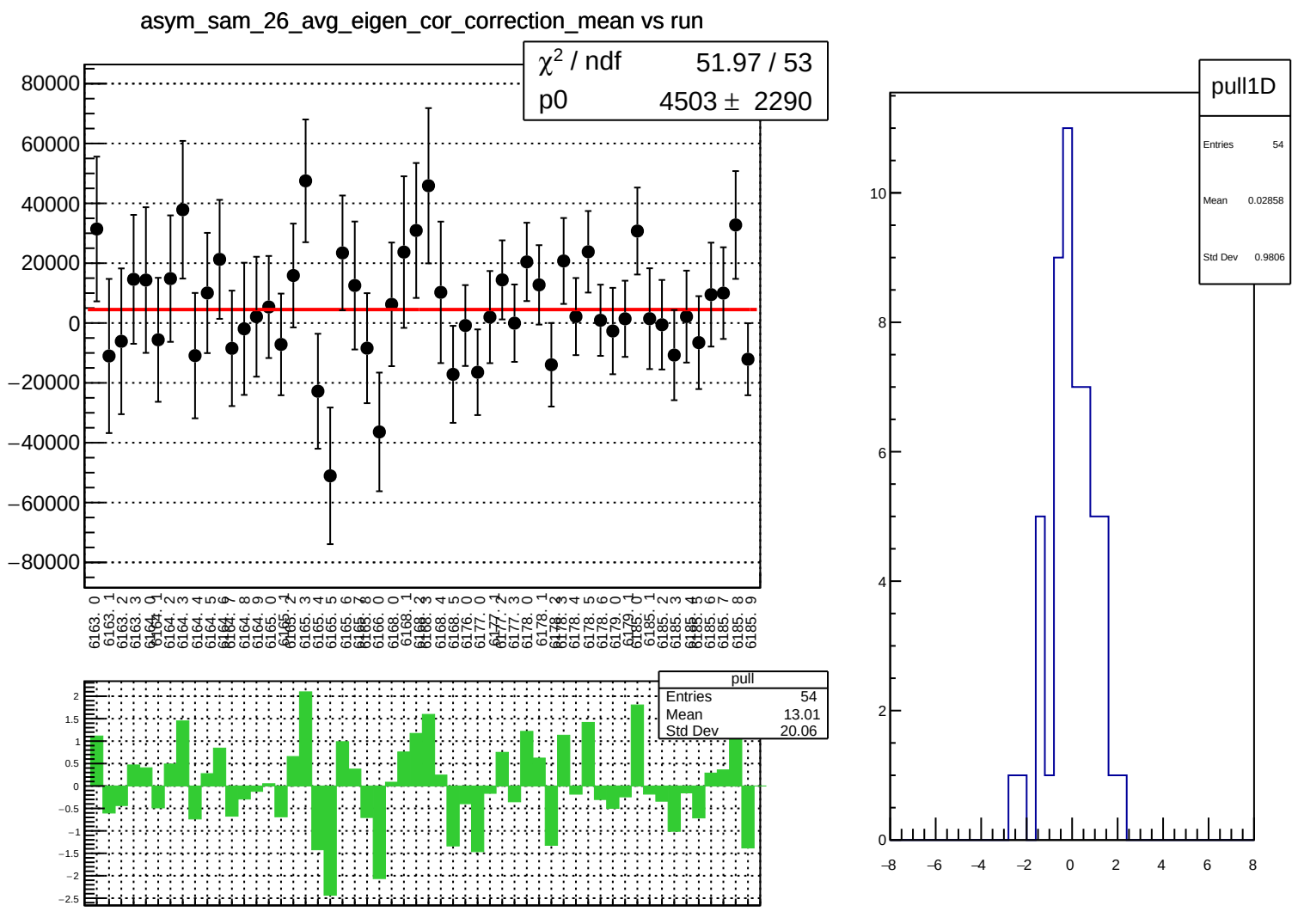
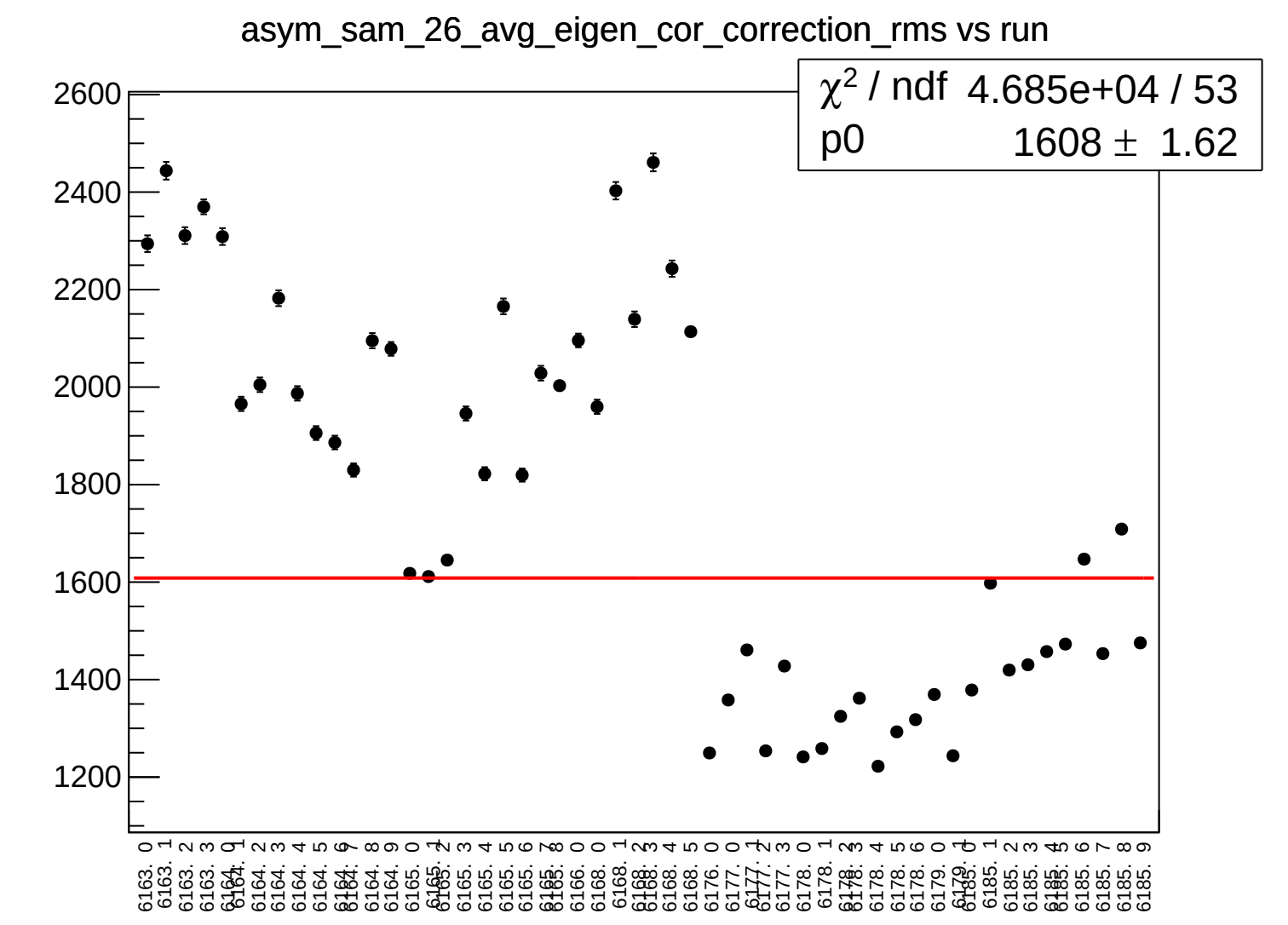
6185. 7
6185. 8
6185. 9


asym_sam_26_avg_eigen_cor_correction_mean vs run
χ² / ndf 51.97 / 53
p0 4503 ± 2290
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 54
Mean 13.01
Std Dev 20.06
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 54
Mean 0.02858
Std Dev 0.9806
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_26_avg_eigen_cor_correction_rms vs run
χ² / ndf 4.685e+04 / 53
p0 1608 ± 1.62
2600
2400
2200
2000
1800
1600
1400
1200
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
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6179. 0
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6185. 3
6185. 6
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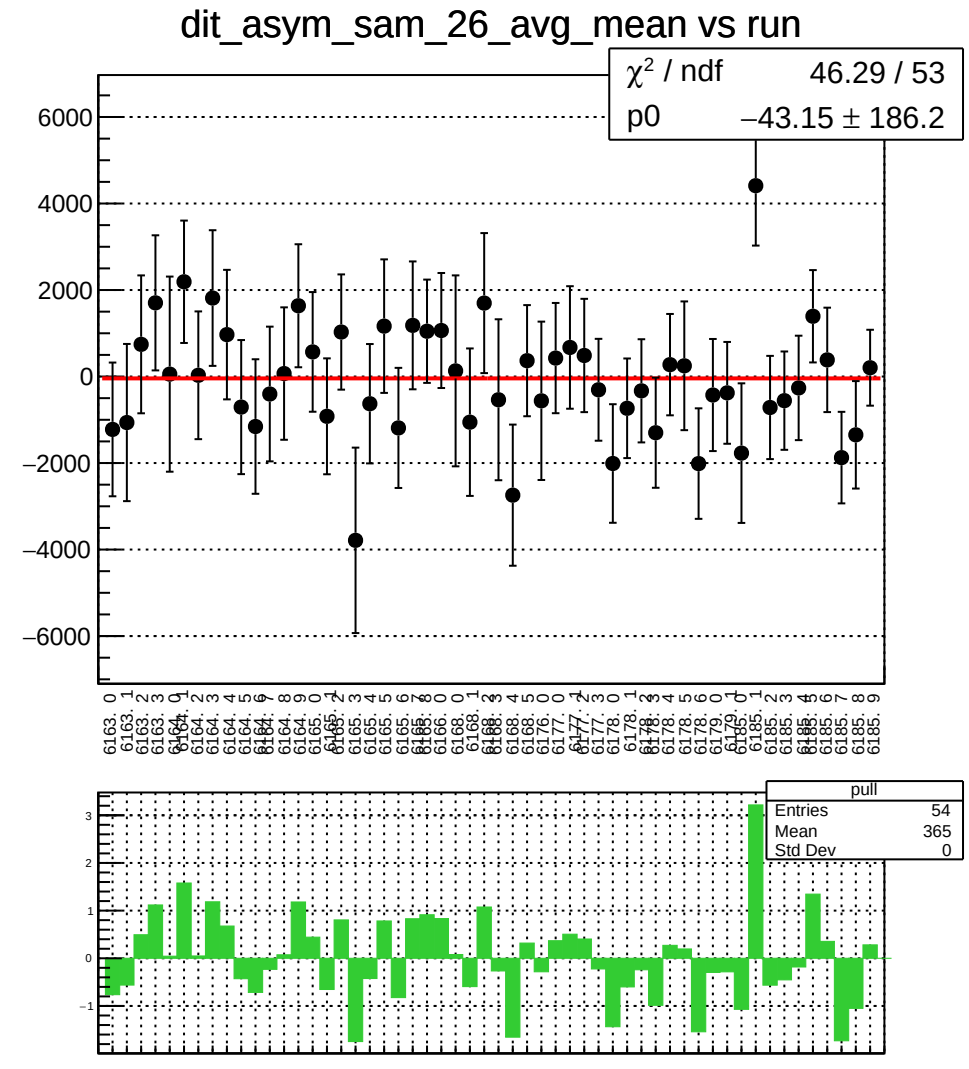
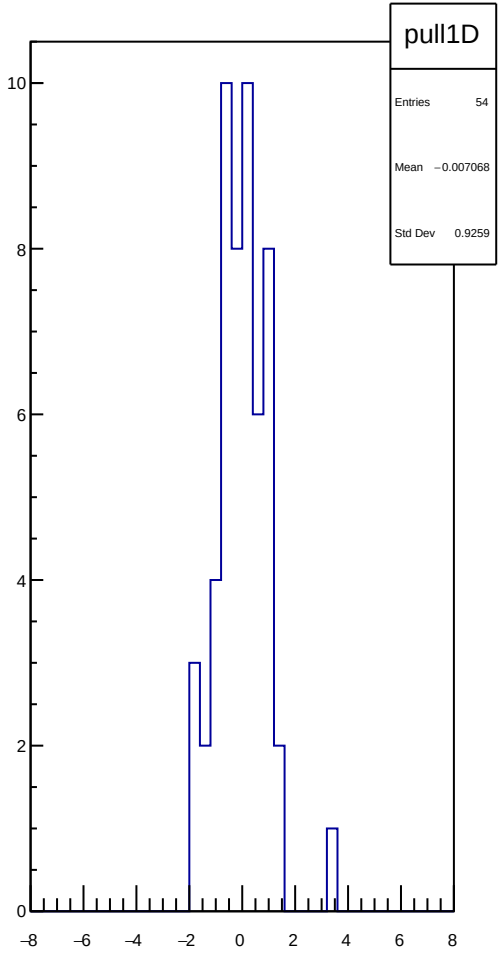
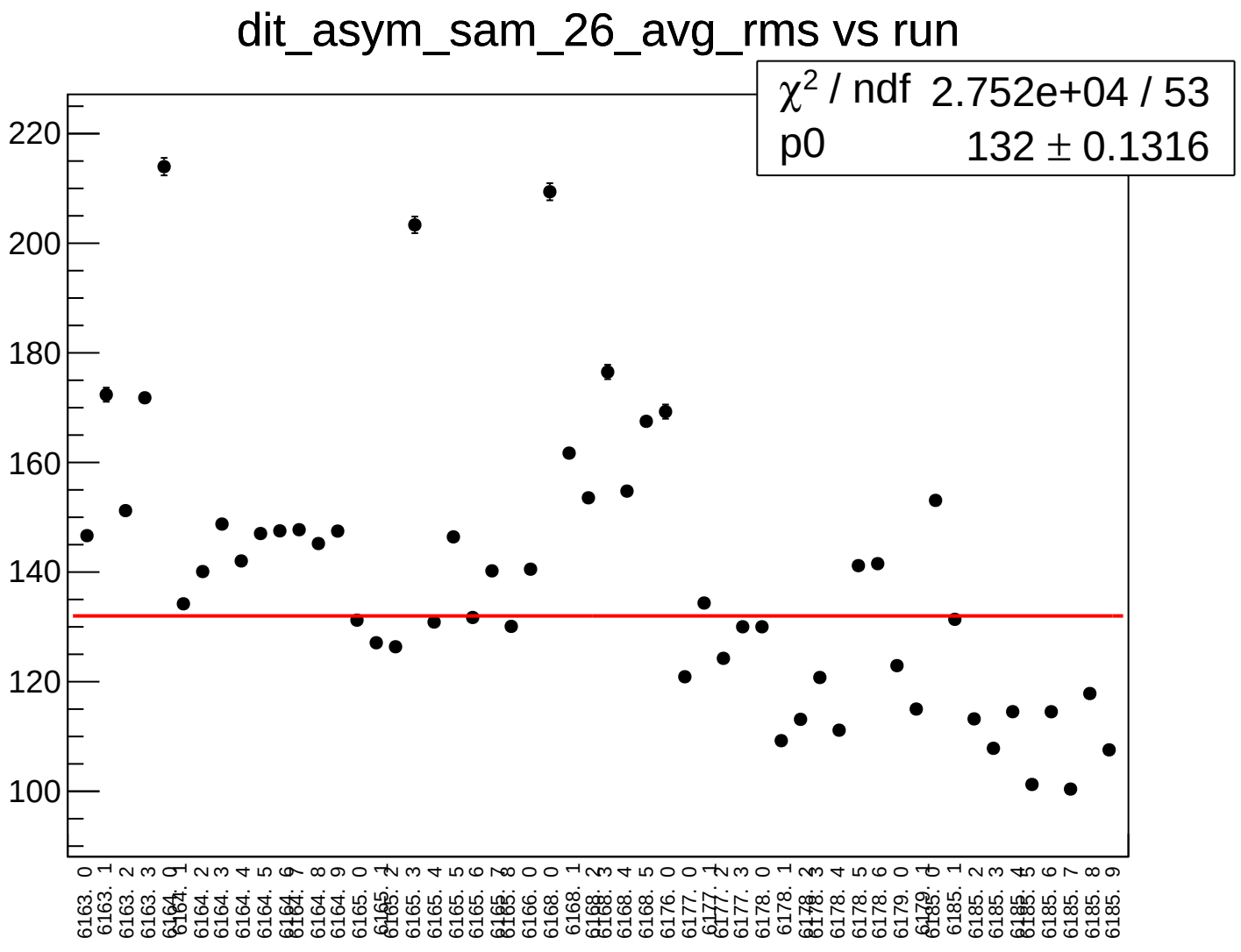
6185. 8
6185. 9


dit_asym_sam_26_avg_mean vs run
χ² / ndf 46.29 / 53
p0 −43.15 ± 186.2
pull
Entries 54
Mean 365
Std Dev 0


pull1D
Entries 54
Mean −0.007068
Std Dev 0.9259


dit_asym_sam_26_avg_rms vs run
χ² / ndf 2.752e+04 / 53
p0 132 ± 0.1316
220
200
180
160
140
120
100
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
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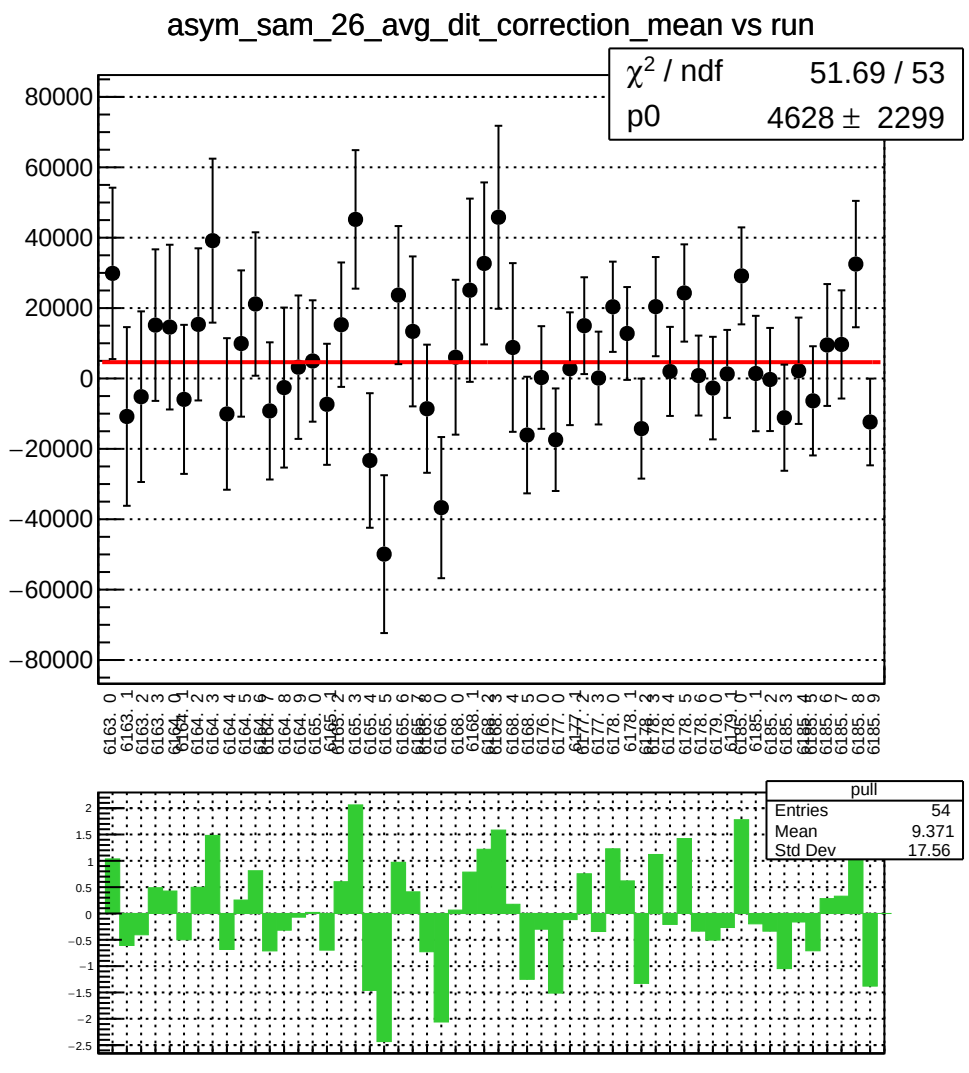
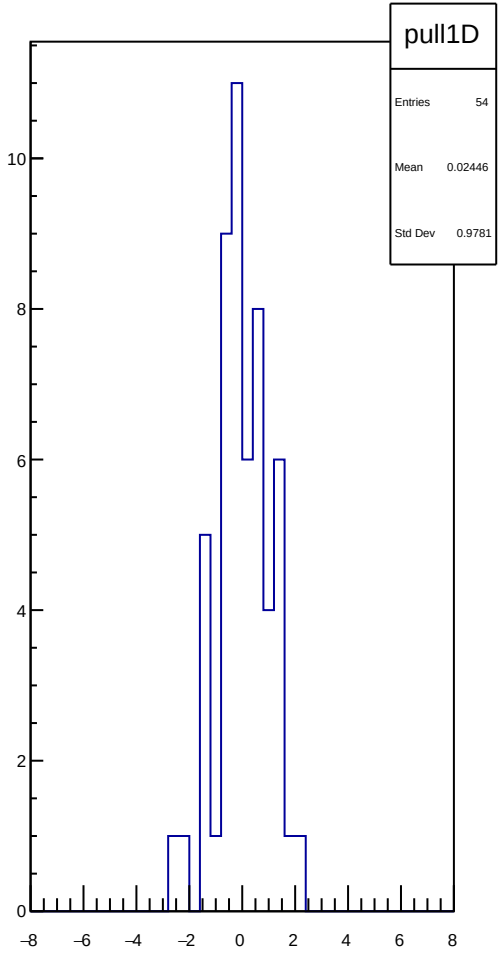
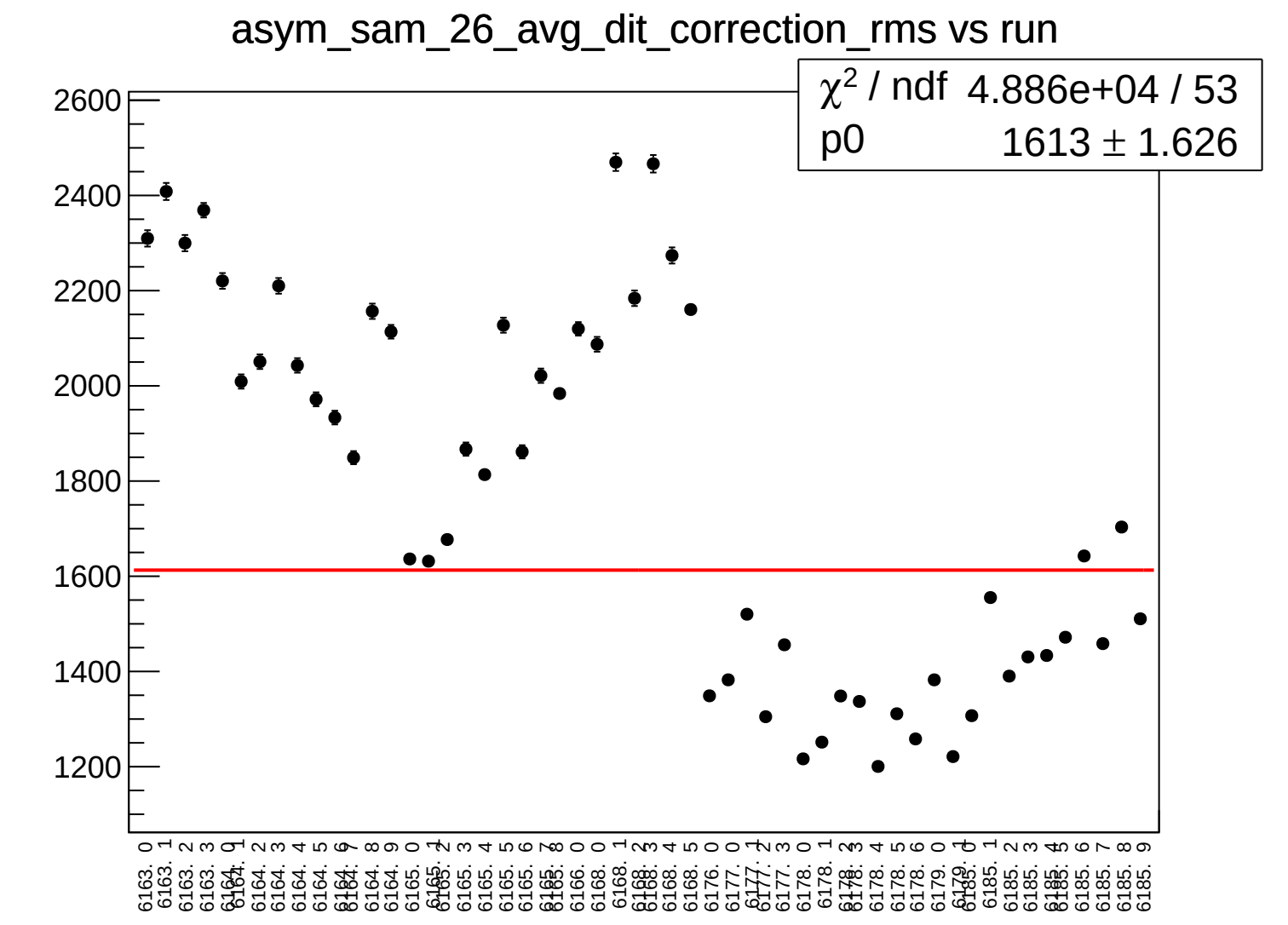
6185. 9


asym_sam_26_avg_dit_correction_mean vs run
χ² / ndf 51.69 / 53
p0 4628 ± 2299
pull
Entries 54
Mean 9.371
Std Dev 17.56


pull1D
Entries 54
Mean 0.02446
Std Dev 0.9781


asym_sam_26_avg_dit_correction_rms vs run
χ² / ndf 4.886e+04 / 53
p0 1613 ± 1.626
2600
2400
2200
2000
1800
1600
1400
1200
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
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6179. 0
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6185. 2
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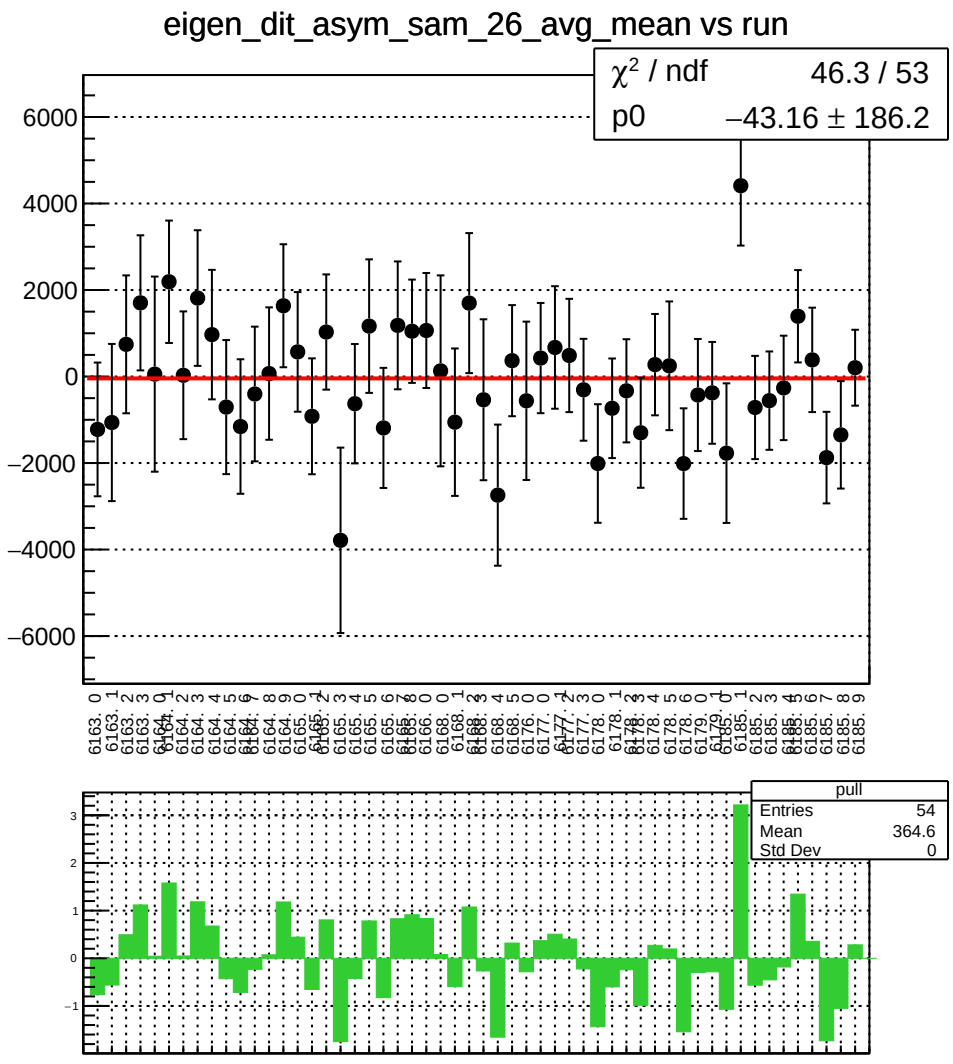
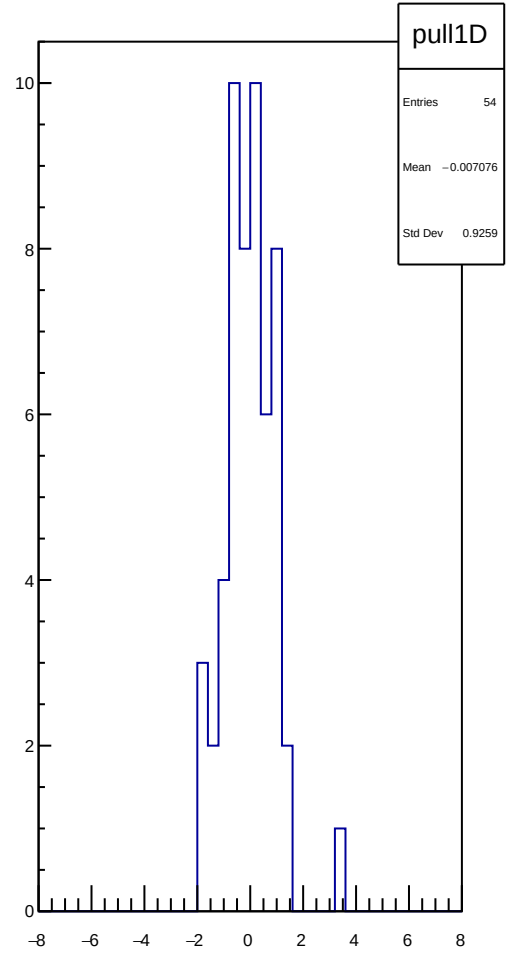
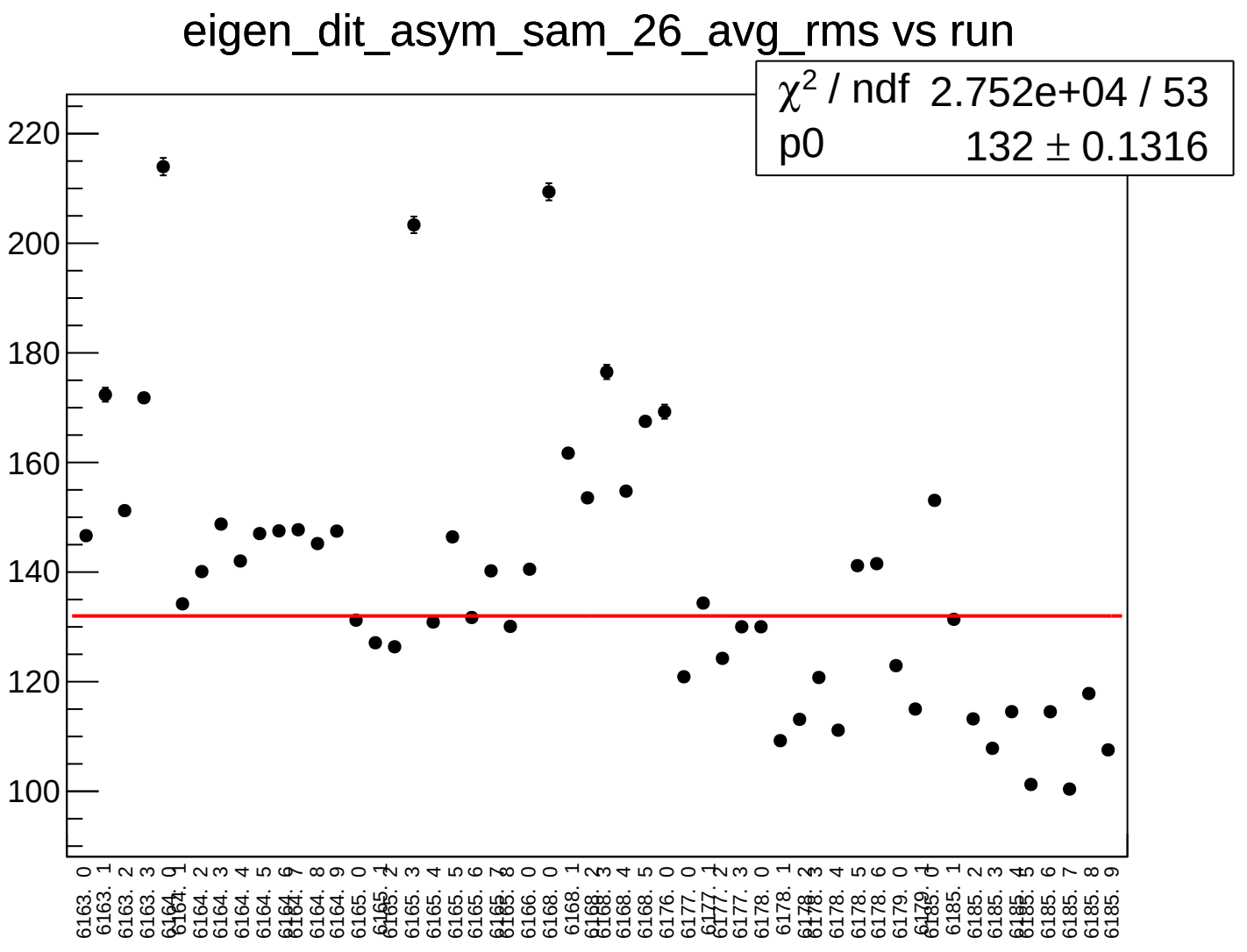
6185. 8
6185. 9


eigen_dit_asym_sam_26_avg_mean vs run
χ² / ndf 46.3 / 53
p0 −43.16 ± 186.2
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 54
Mean 364.6
Std Dev 0
3
2
1
0
−1


pull1D
Entries 54
Mean −0.007076
Std Dev 0.9259
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 2.752e+04 / 53
p0 132 ± 0.1316
220
200
180
160
140
120
100
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
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6179. 0
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6185. 6
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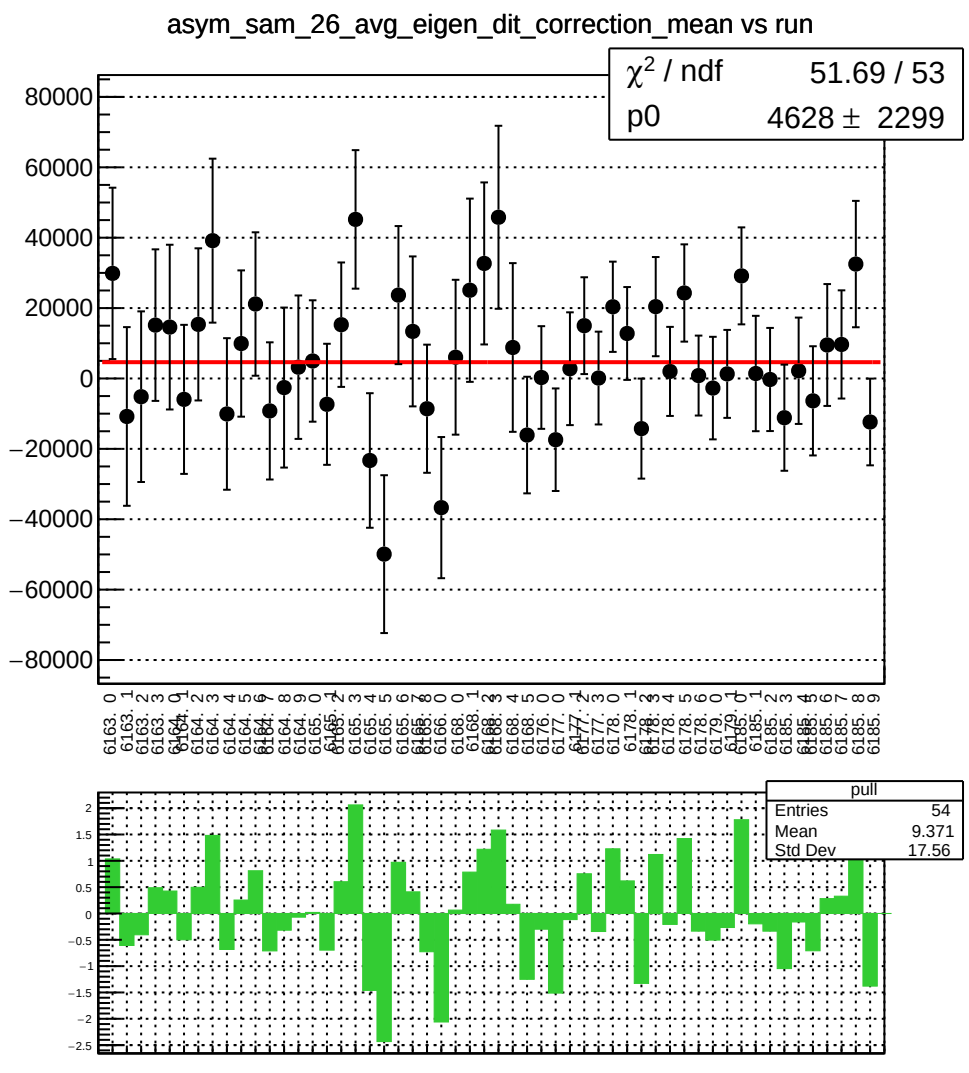
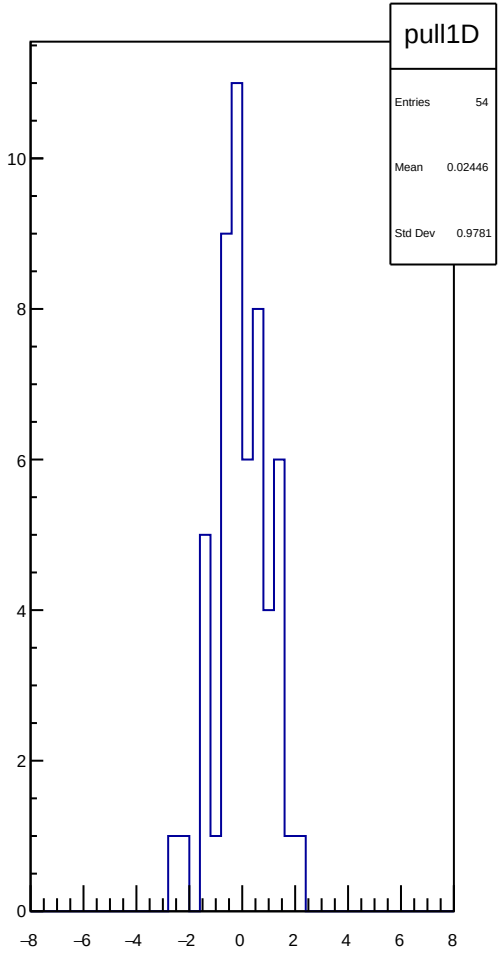
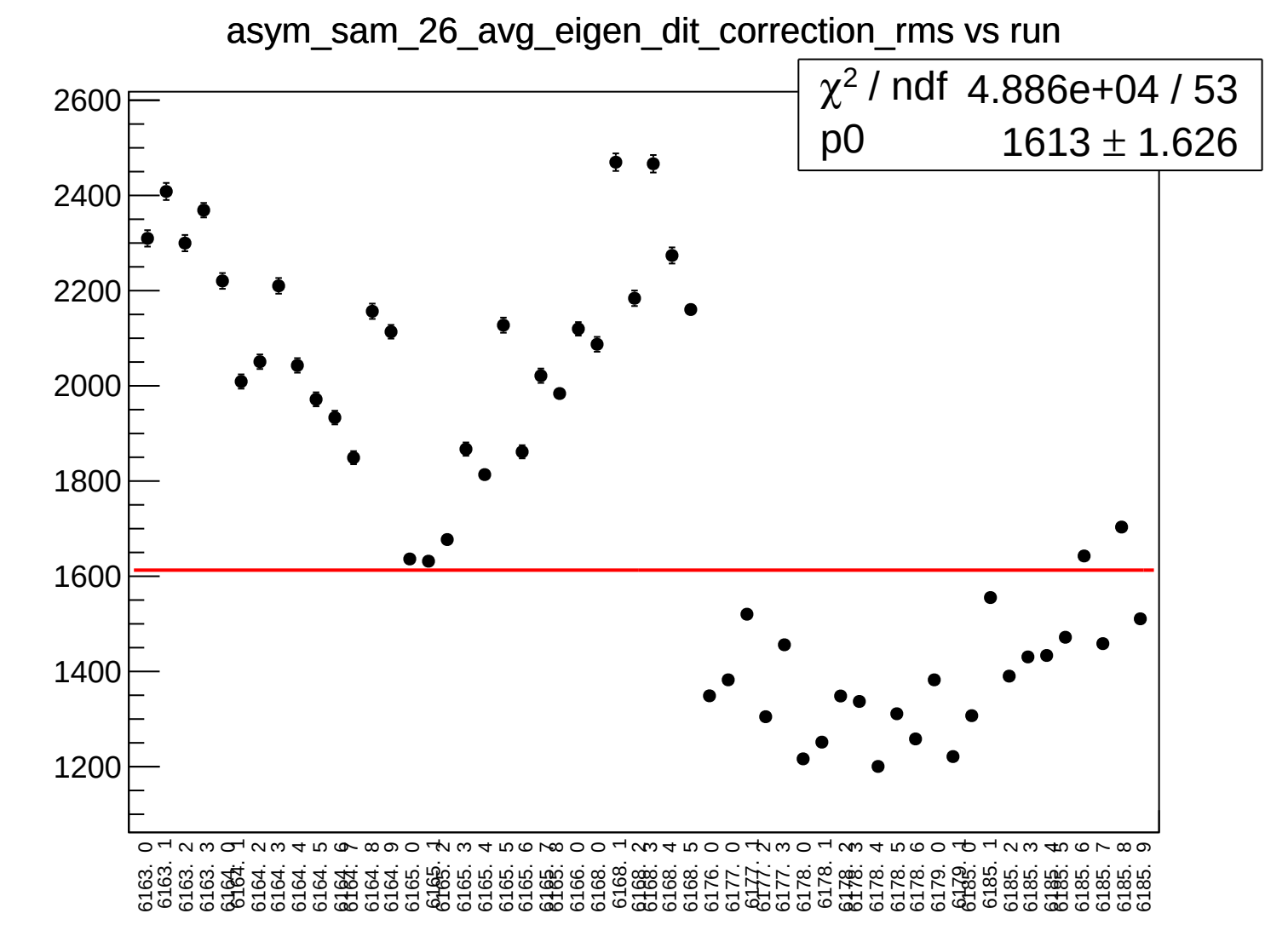
6185. 9


asym_sam_26_avg_eigen_dit_correction_mean vs run
χ² / ndf 51.69 / 53
p0 4628 ± 2299
pull
Entries 54
Mean 9.371
Std Dev 17.56


pull1D
Entries 54
Mean 0.02446
Std Dev 0.9781


asym_sam_26_avg_eigen_dit_correction_rms vs run
χ² / ndf 4.886e+04 / 53
p0 1613 ± 1.626
2600
2400
2200
2000
1800
1600
1400
1200
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6168. 0
6168. 1
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6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
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6179. 0
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6185. 6
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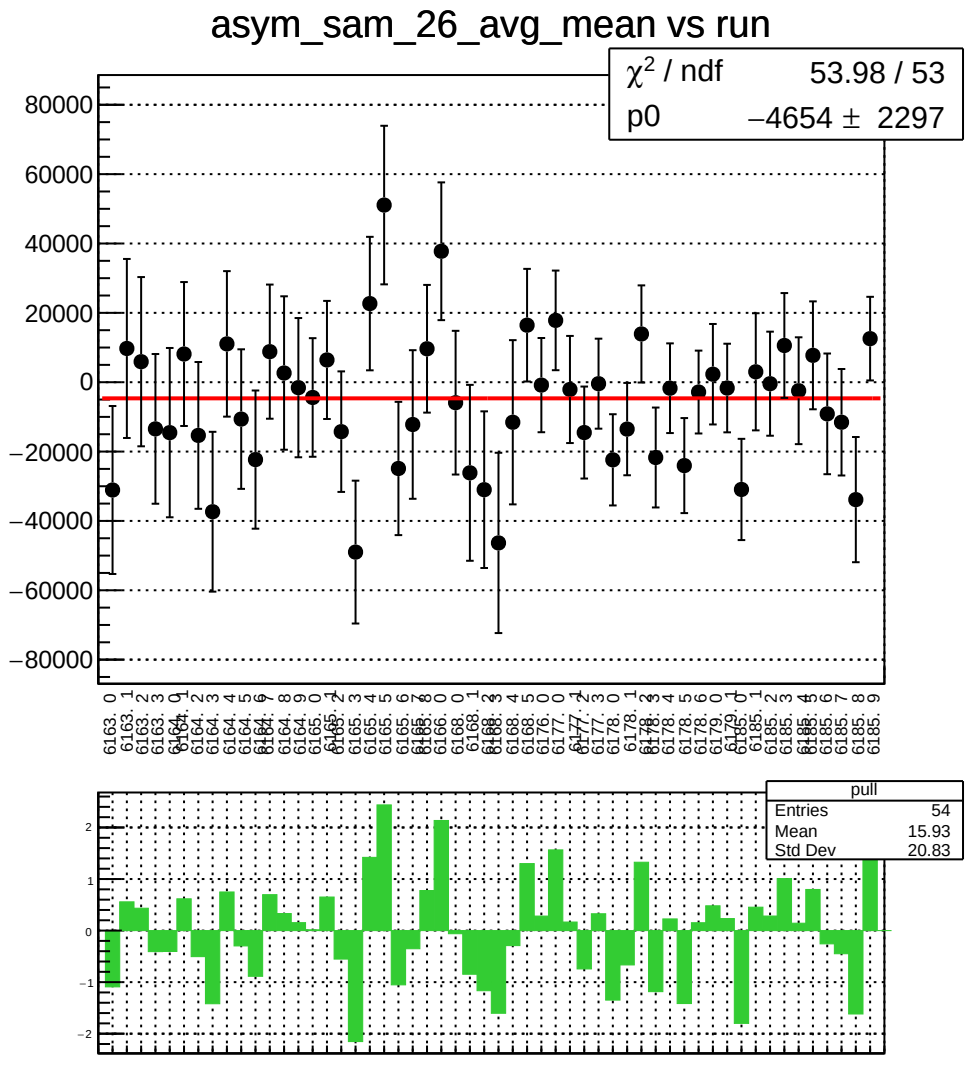
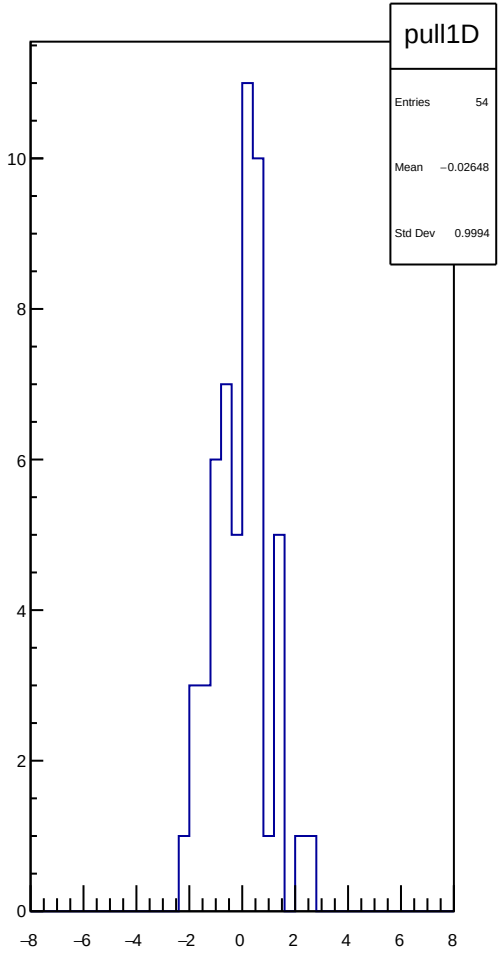
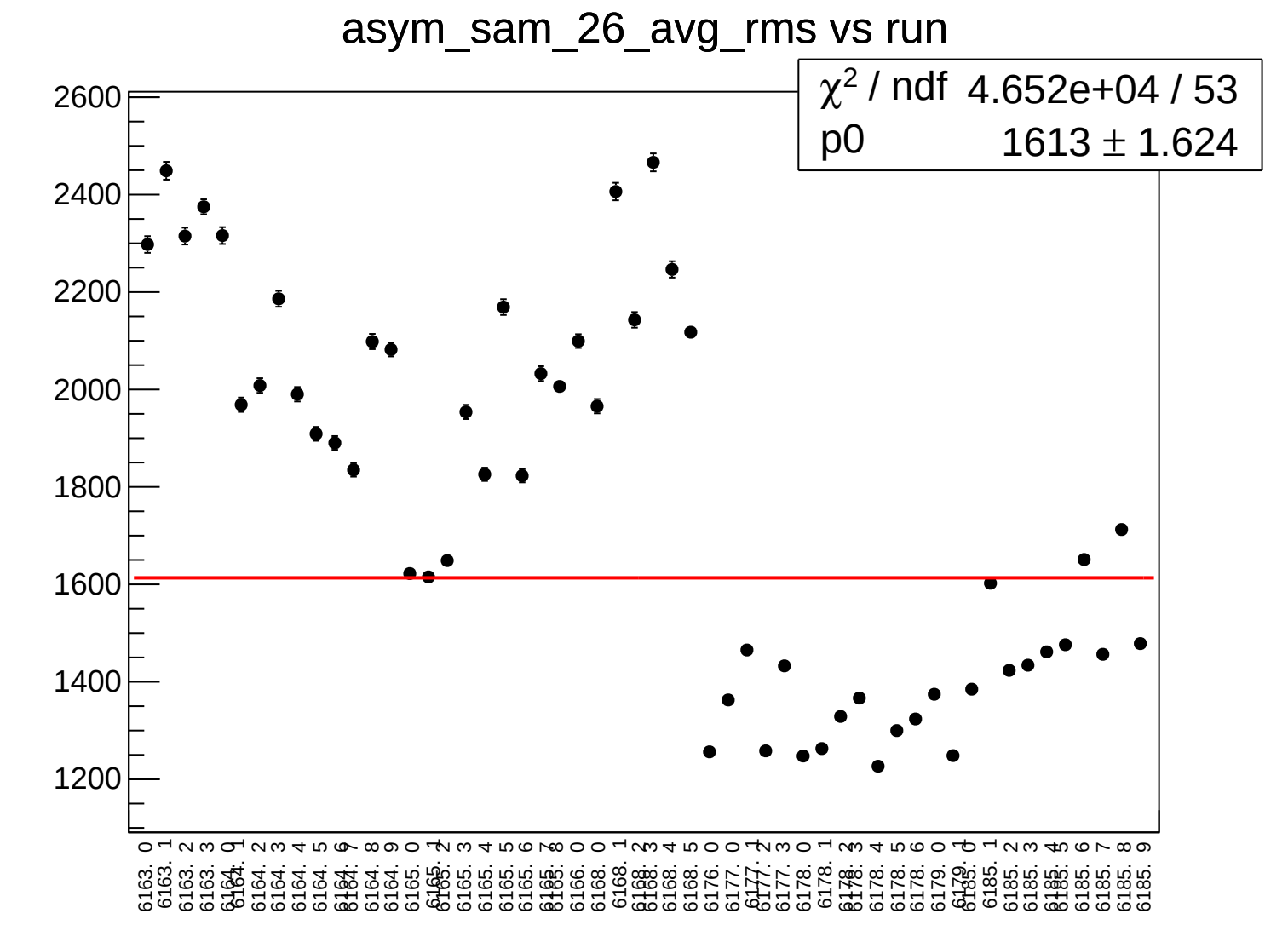
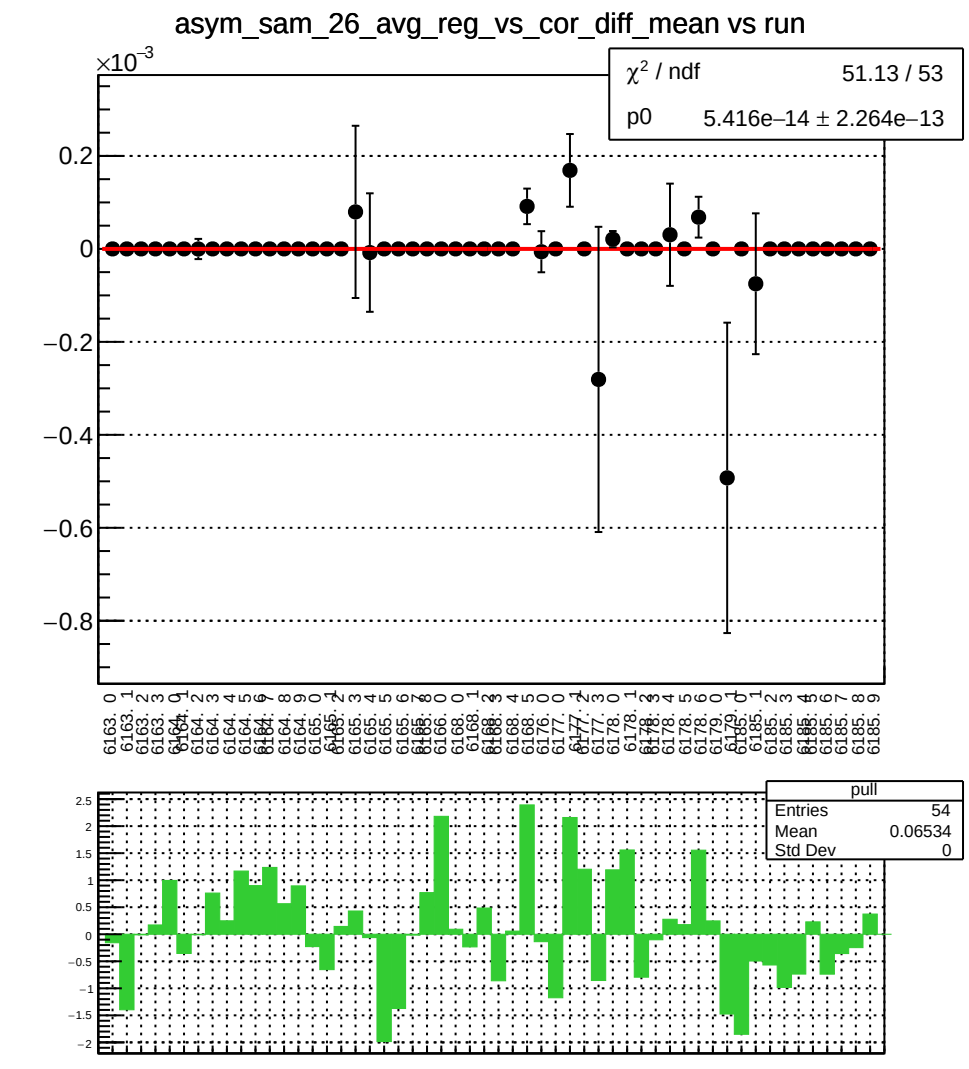
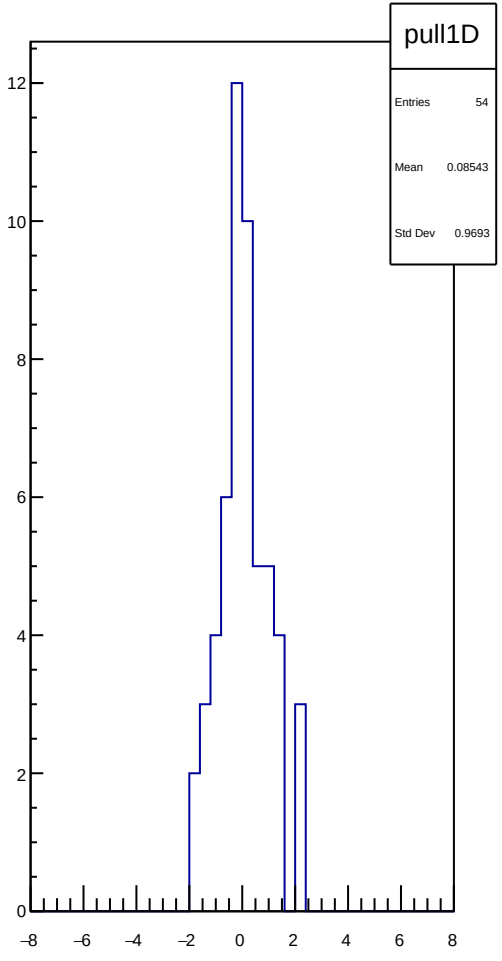
6185. 8
6185. 9

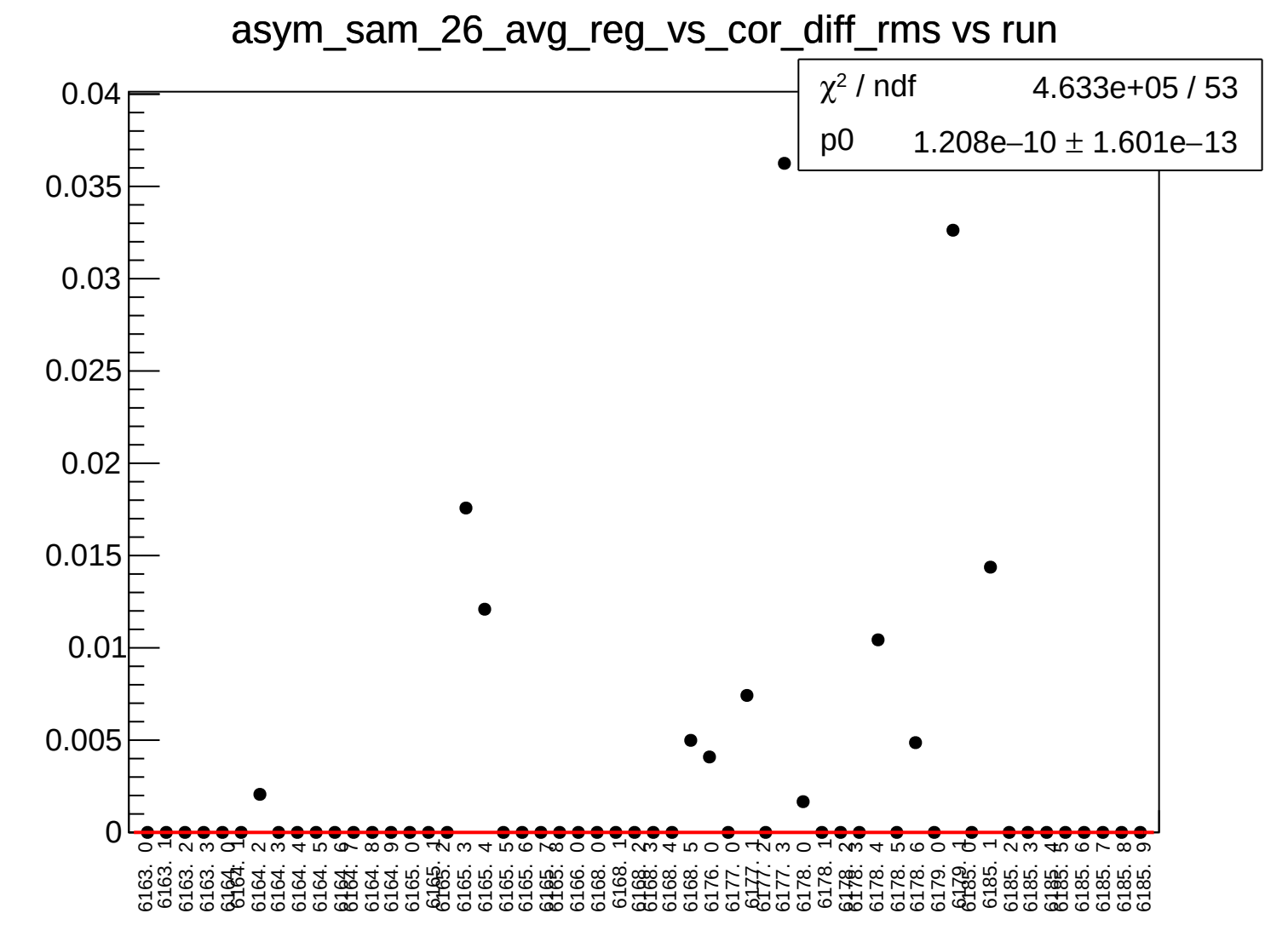

asym_sam_26_avg_mean vs run
χ² / ndf 53.98 / 53
p0 −4654 ± 2297
pull
Entries 54
Mean 15.93
Std Dev 20.83

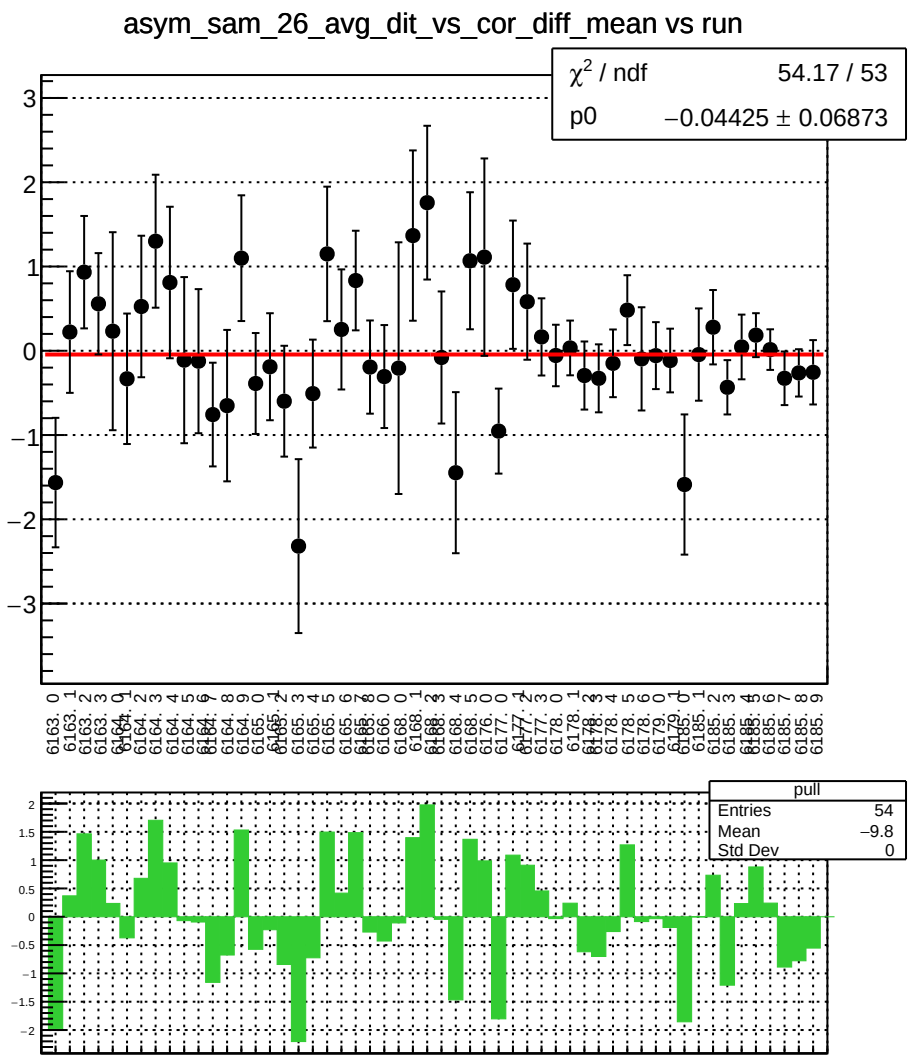

pull1D
Entries 54
Mean −0.02648
Std Dev 0.9994

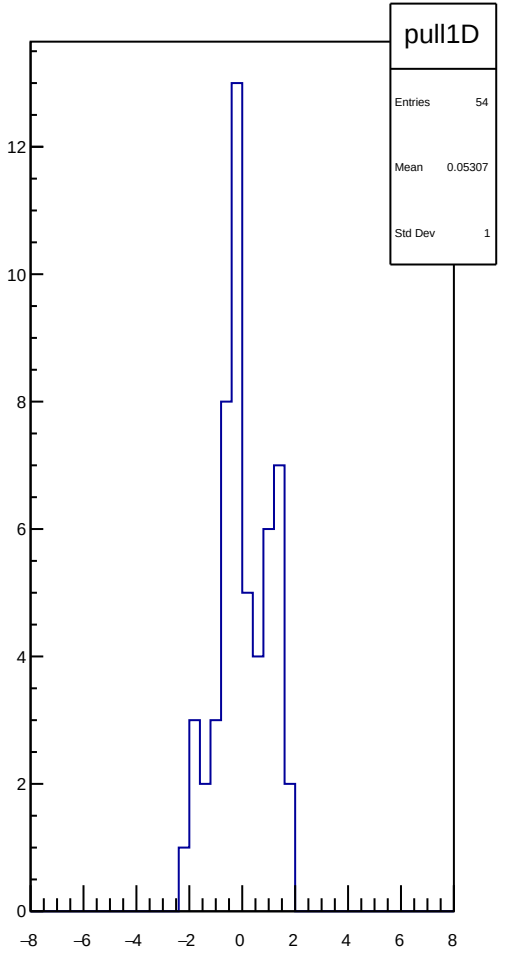

asym_sam_26_avg_rms vs run
χ² / ndf 4.652e+04 / 53
p0 1613 ± 1.624
2600
2400
2200
2000
1800
1600
1400
1200
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

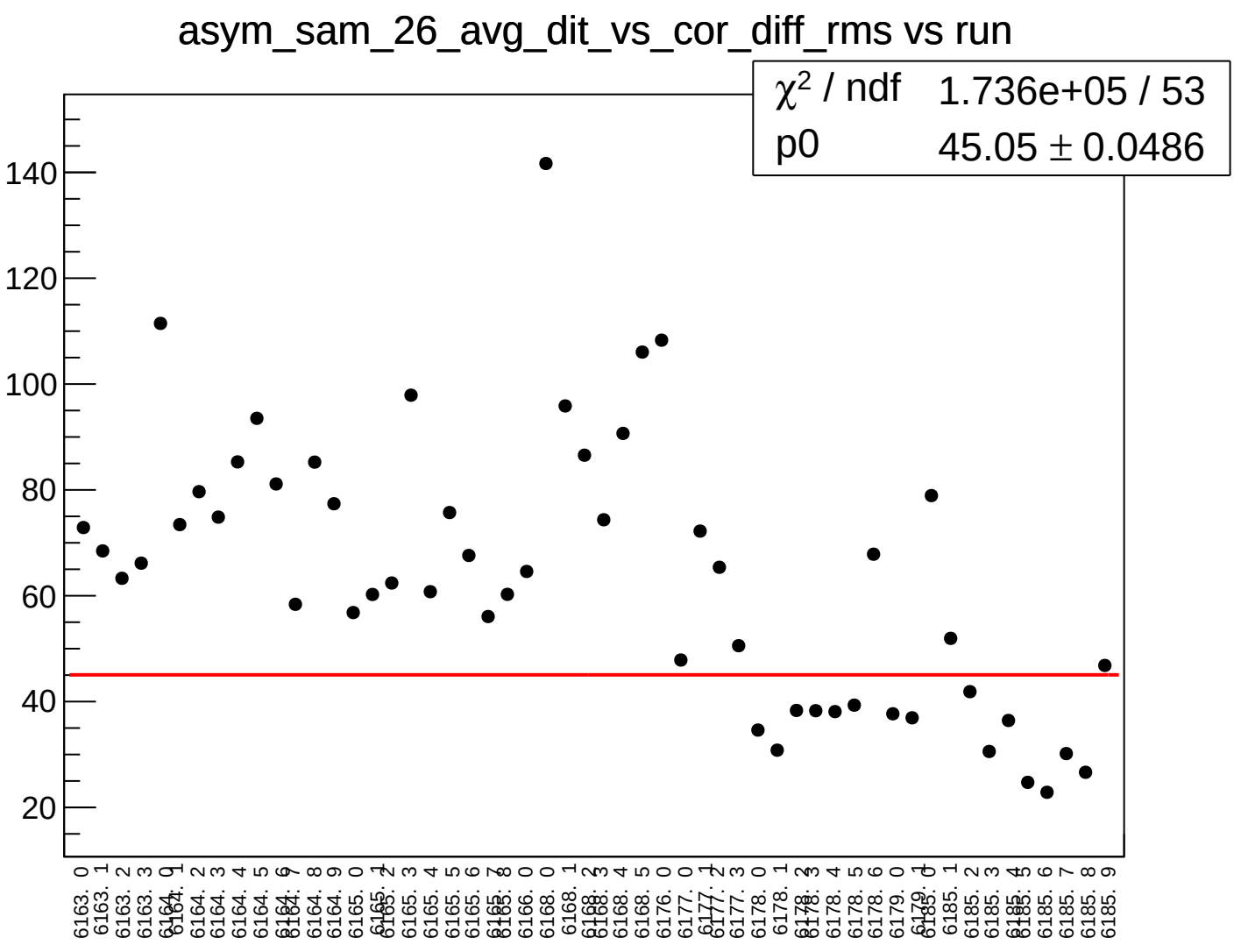

asym_sam_26_avg_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 51.13 / 53
p0 5.416e−14 ± 2.264e−13
pull
Entries 54
Mean 0.06534
Std Dev 0

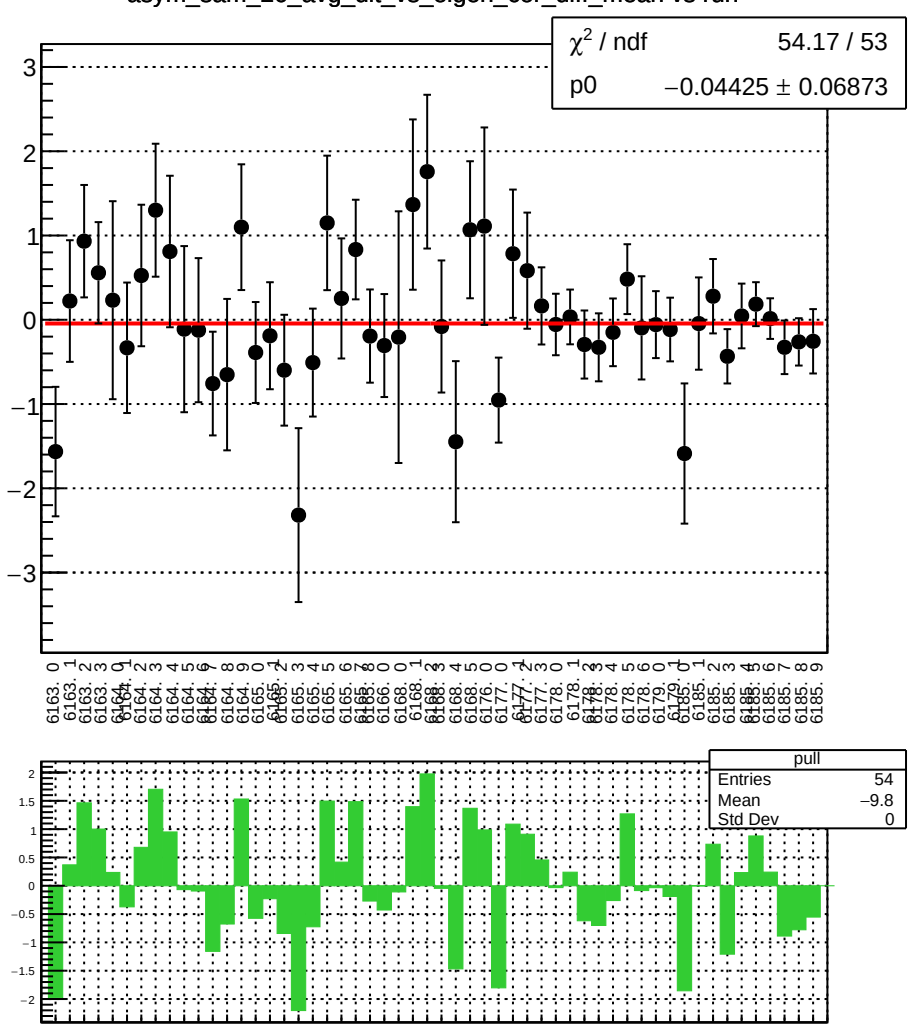

pull1D
Entries 54
Mean 0.08543
Std Dev 0.9693

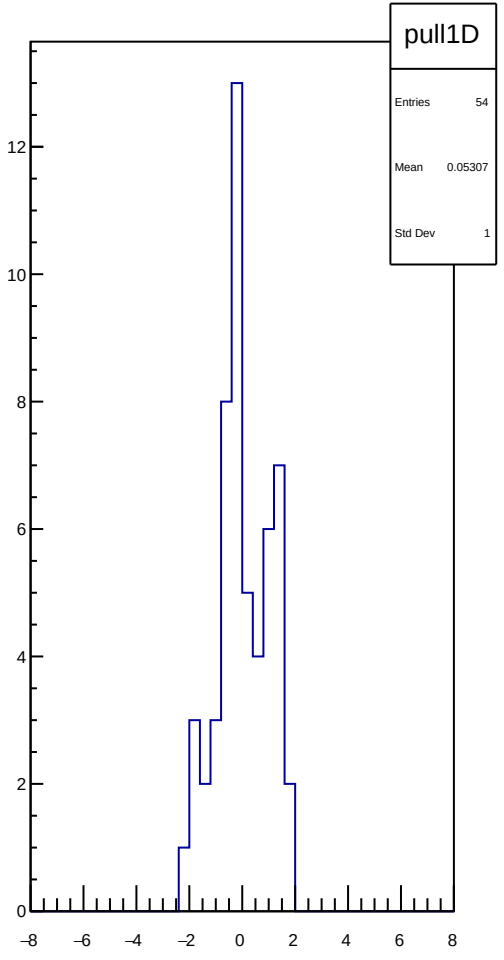

asym_sam_26_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 4.633e+05 / 53
p0 1.208e−10 ± 1.601e−13
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 6
6164. 7
6164. 8
6164. 9
6165. 0
6165. 1
6165. 2
6165. 3
6165. 4
6165. 5
6165. 6
6165. 7
6165. 8
6166. 0
6168. 0
6168. 1
6168. 2
6168. 3
6168. 4
6168. 5
6176. 0
6177. 0
6177. 1
6177. 2
6177. 3
6178. 0
6178. 1
6178. 2
6178. 3
6178. 4
6178. 5
6178. 6
6179. 0
6179. 1
6185. 0
6185. 1
6185. 2
6185. 3
6185. 4
6185. 5
6185. 6
6185. 7
6185. 8
6185. 9

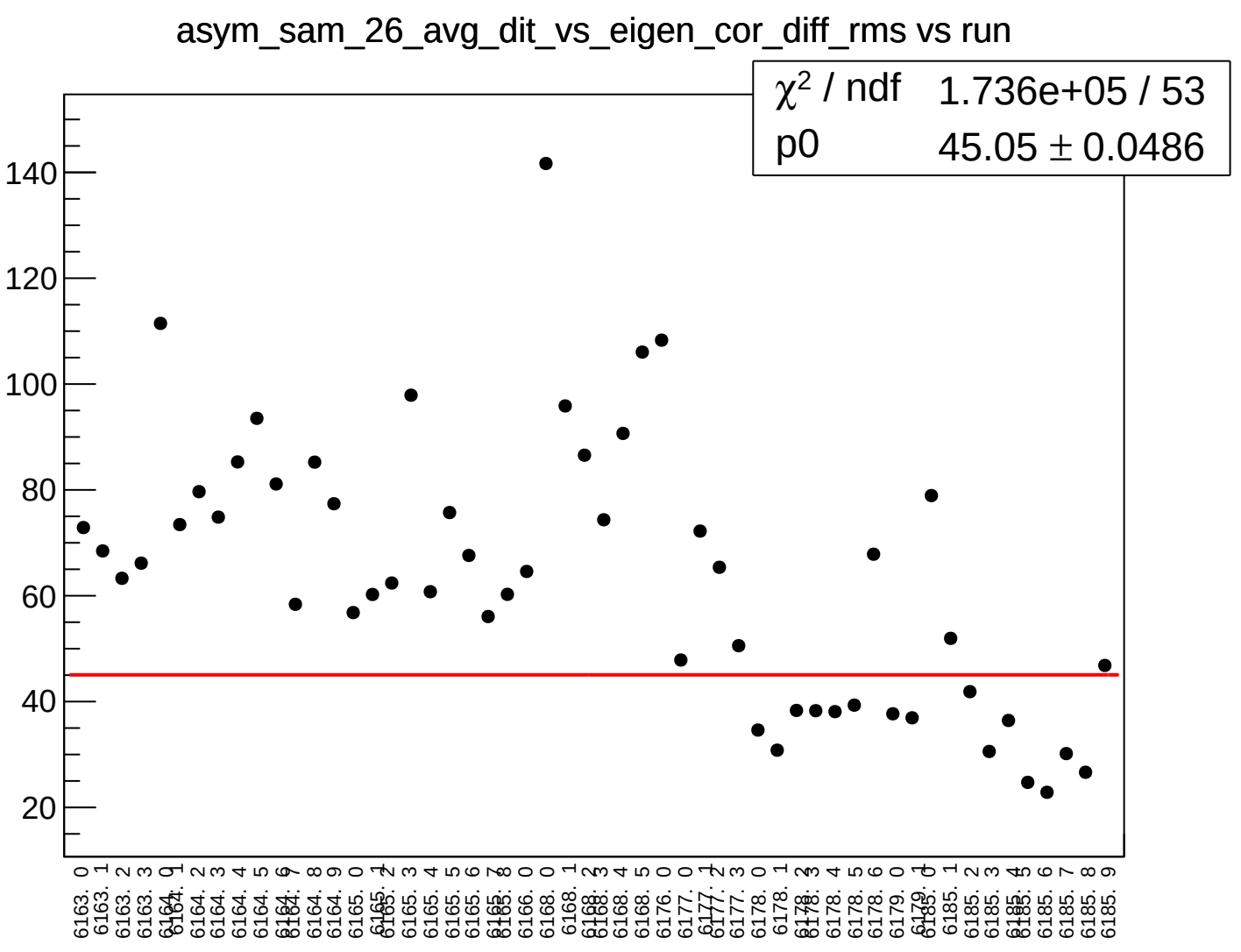

asym_sam_26_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 54.17 / 53
p0 −0.04425 ± 0.06873
pull
Entries 54
Mean −9.8
Std Dev 0

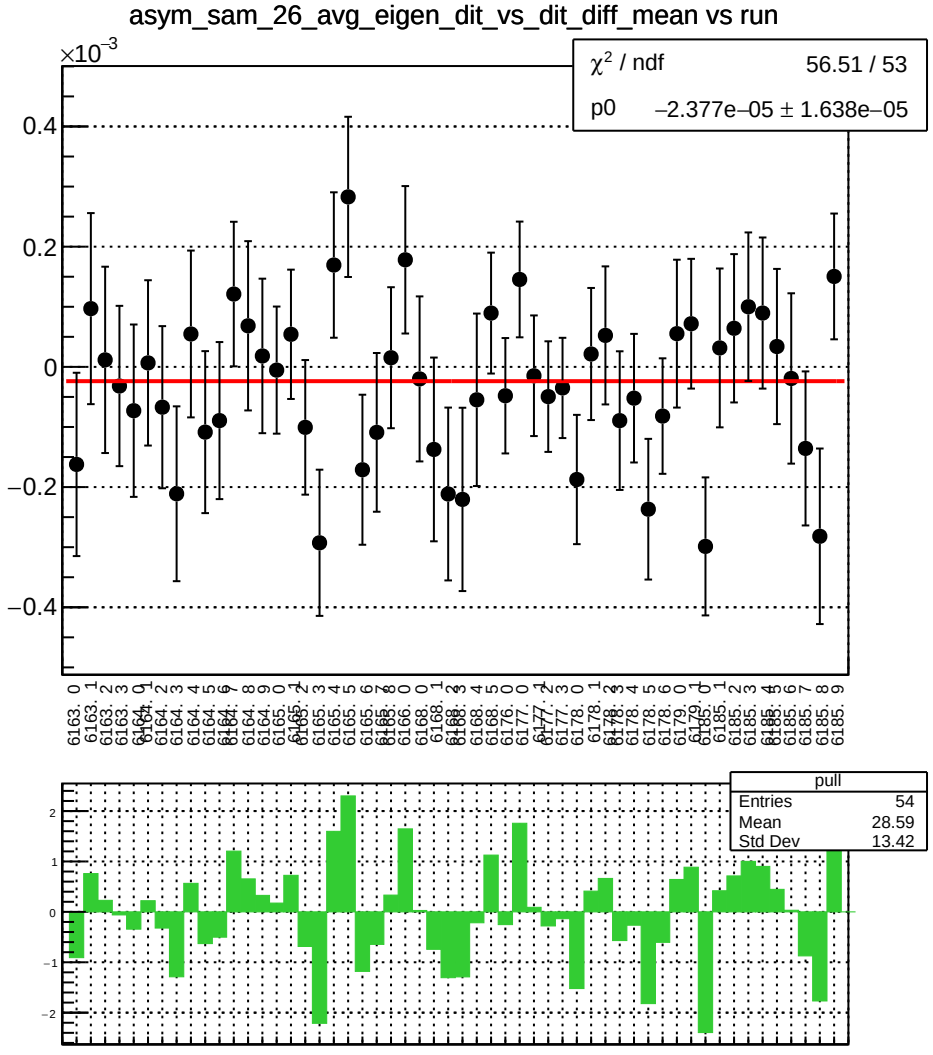

pull1D
Entries 54
Mean 0.05307
Std Dev 1

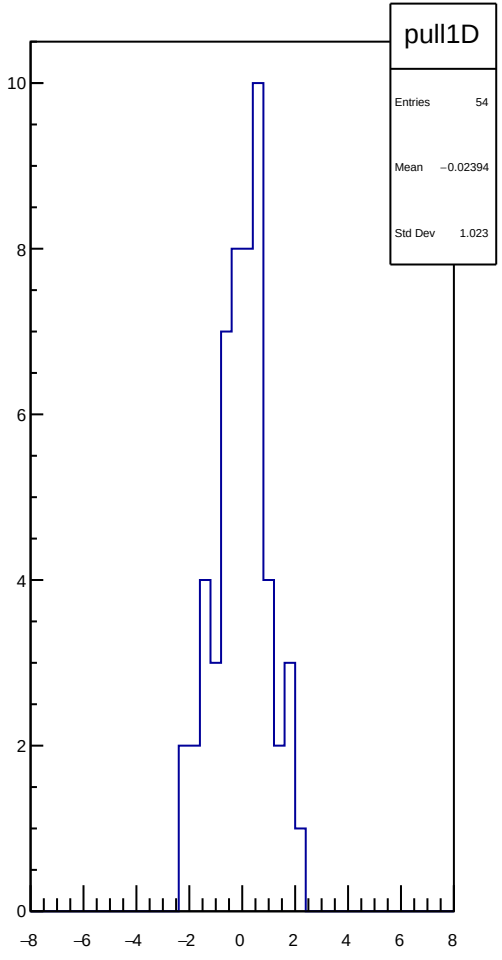

asym_sam_26_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.736e+05 / 53
p0 45.05 ± 0.0486
140
120
100
80
60
40
20
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

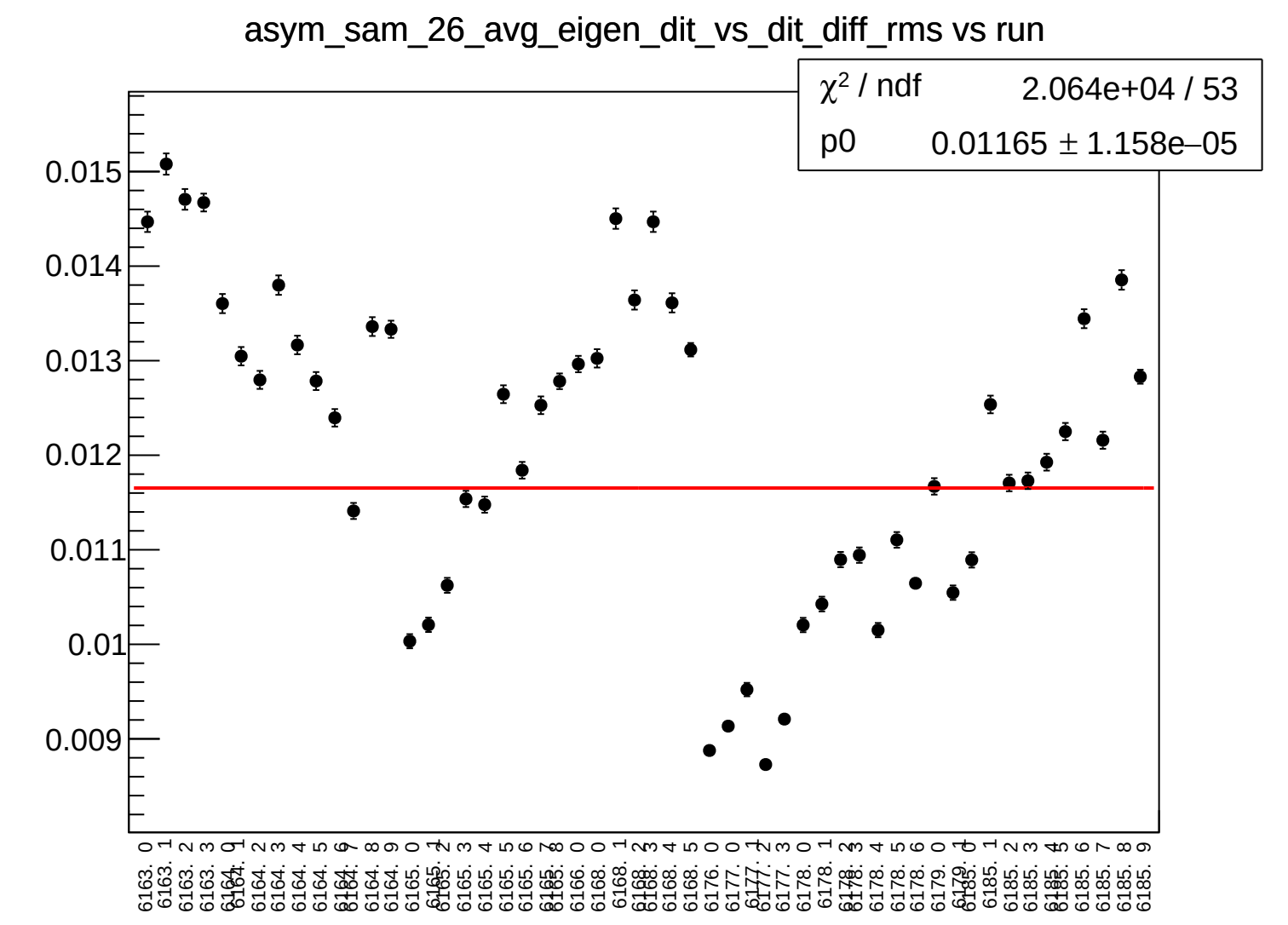

asym_sam_26_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 54.17 / 53
p0 −0.04425 ± 0.06873
pull
Entries 54
Mean −9.8
Std Dev 0

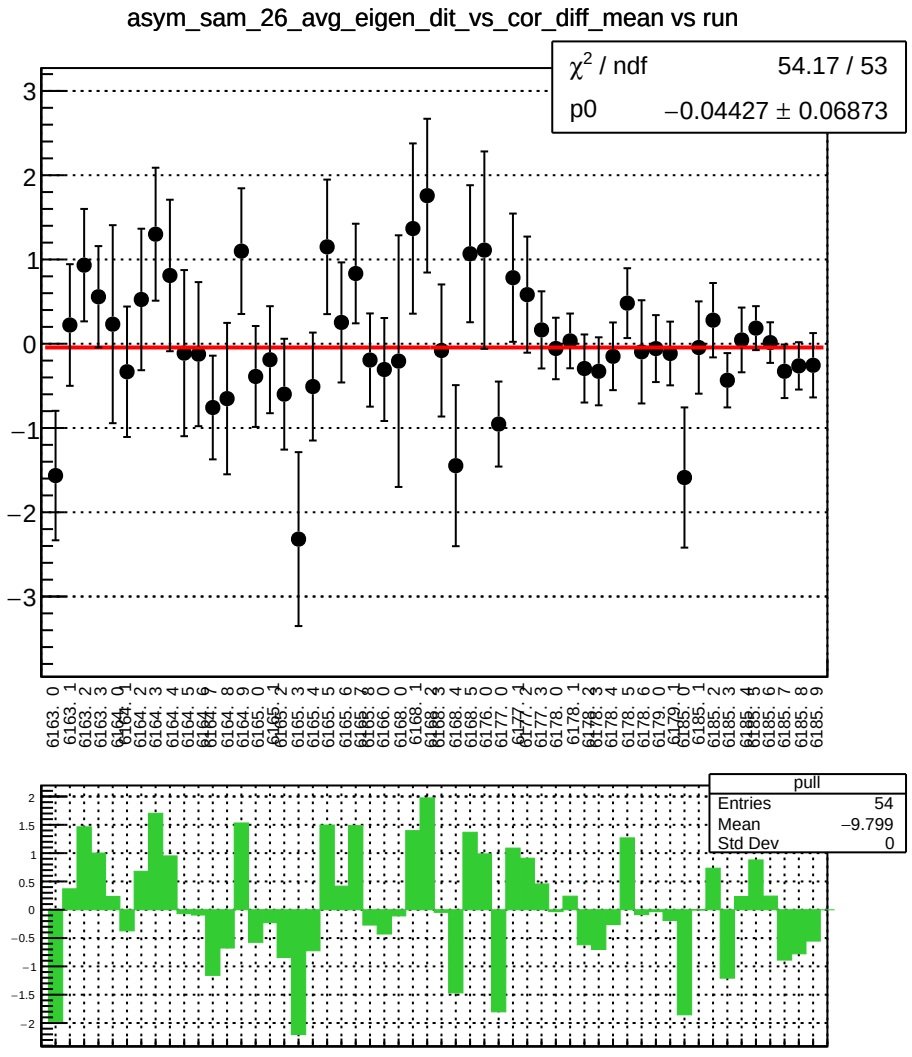

pull1D
Entries 54
Mean 0.05307
Std Dev 1

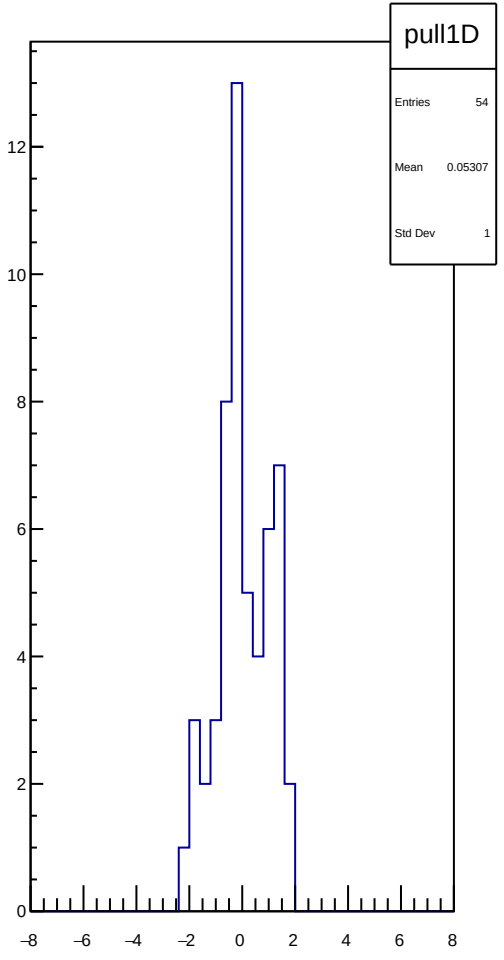

asym_sam_26_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.736e+05 / 53
p0 45.05 ± 0.0486
140
120
100
80
60
40
20
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

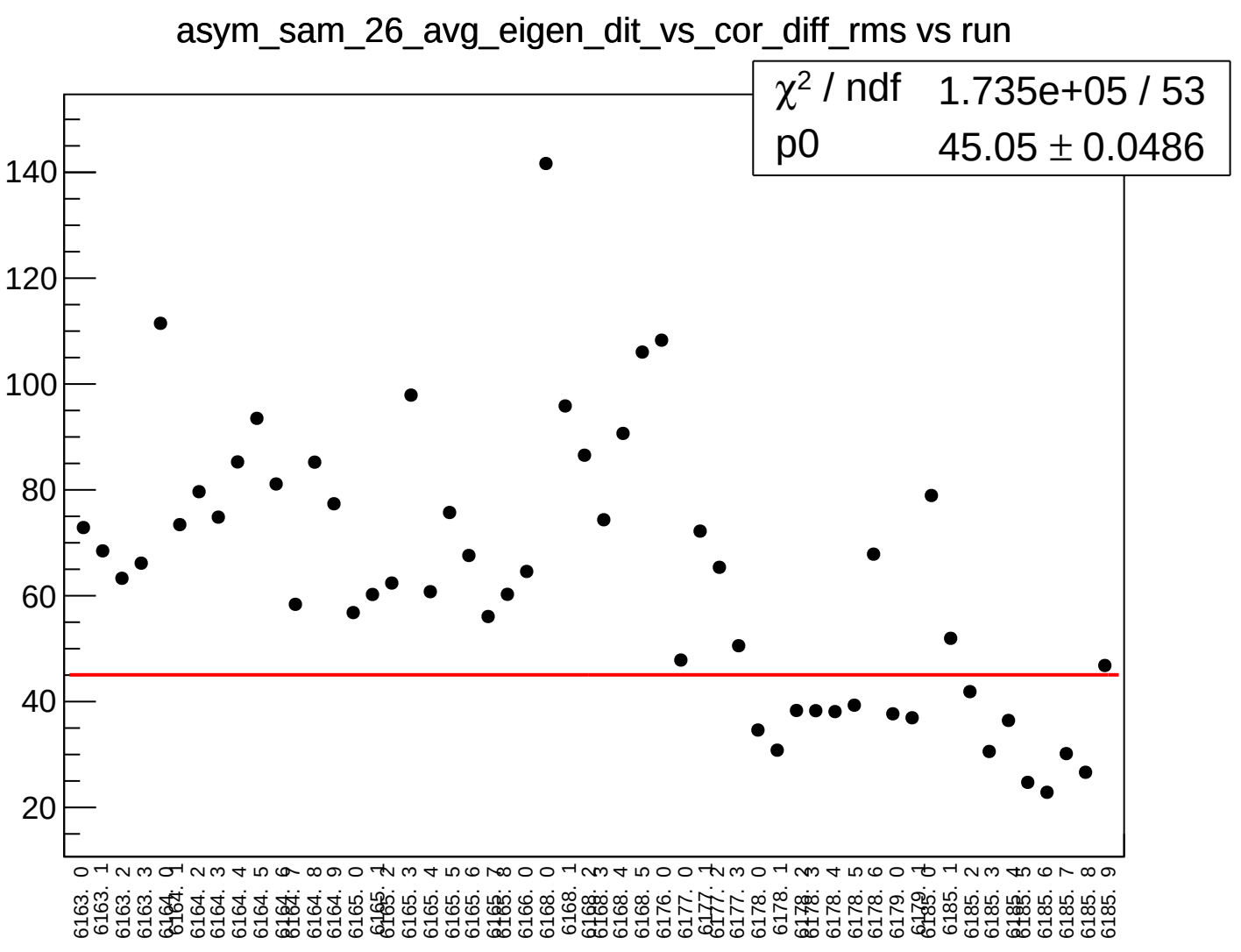

asym_sam_26_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 56.51 / 53
p0 −2.377e−05 ± 1.638e−05
0.4
0.2
0
−0.2
−0.4
pull
Entries 54
Mean 28.59
Std Dev 13.42
2
1
0
−1
−2

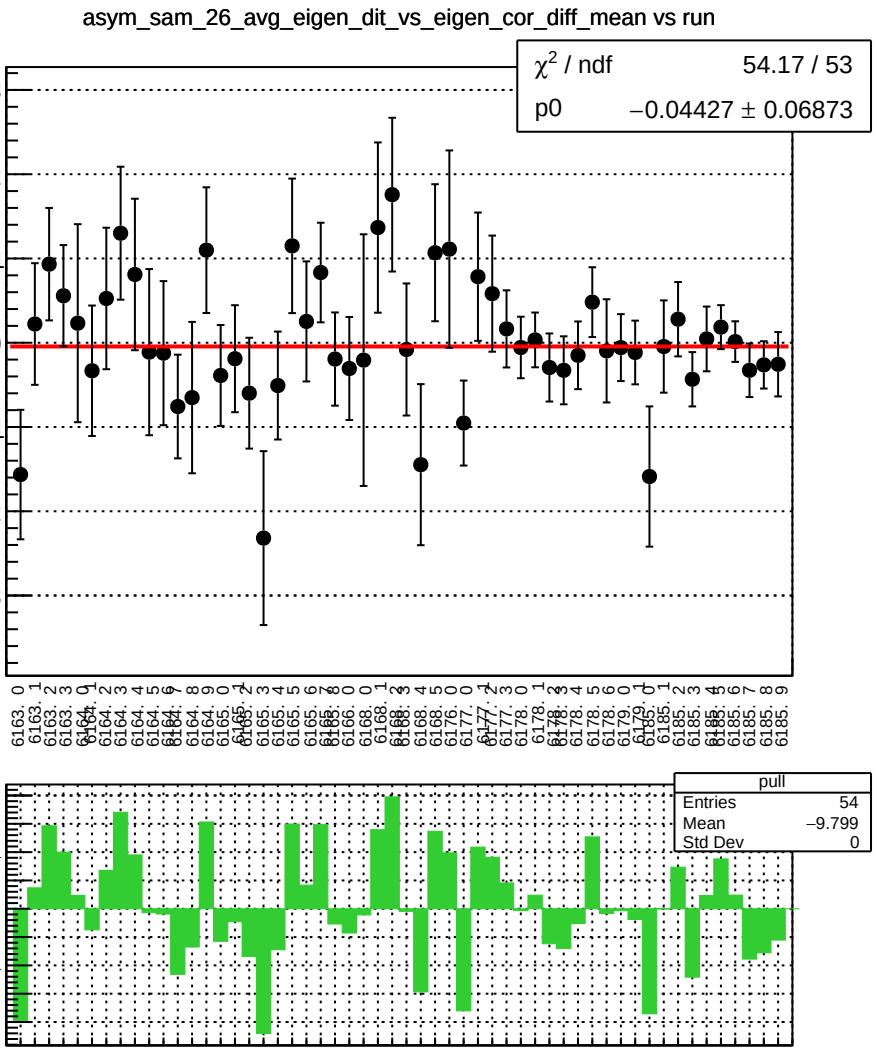

pull1D
Entries 54
Mean −0.02394
Std Dev 1.023
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

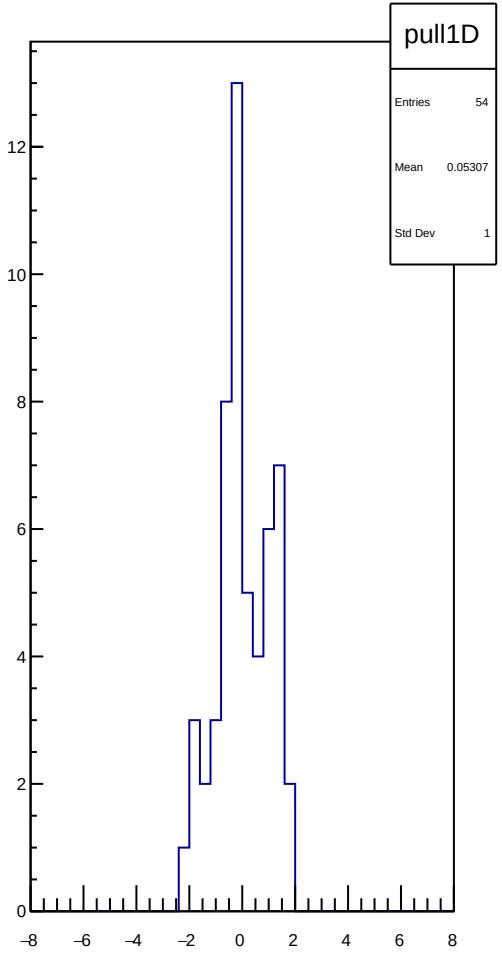

asym_sam_26_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.064e+04 / 53
p0 0.01165 ± 1.158e−05
0.015
0.014
0.013
0.012
0.011
0.01
0.009
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

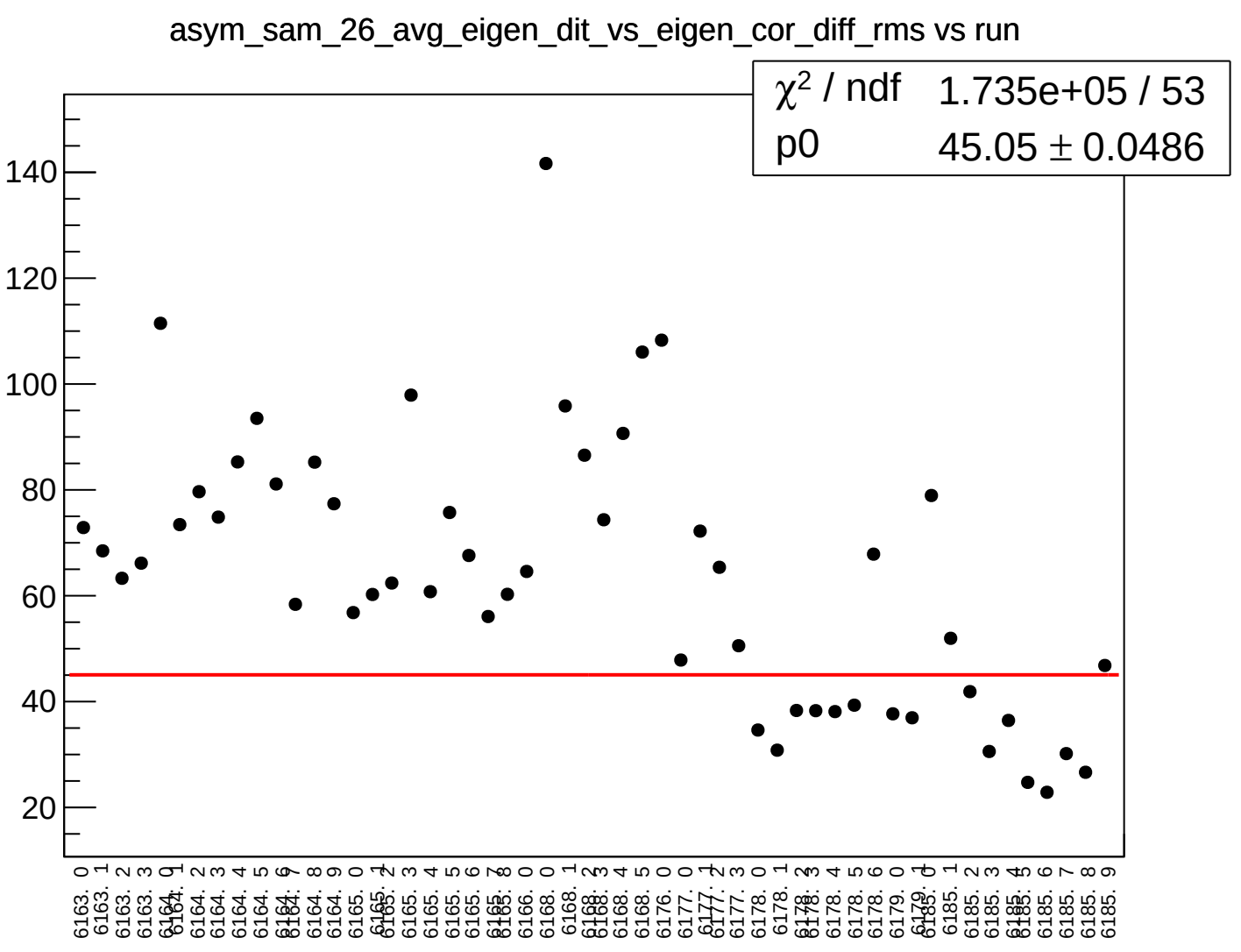

asym_sam_26_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 54.17 / 53
p0 −0.04427 ± 0.06873
pull
Entries 54
Mean −9.799
Std Dev 0

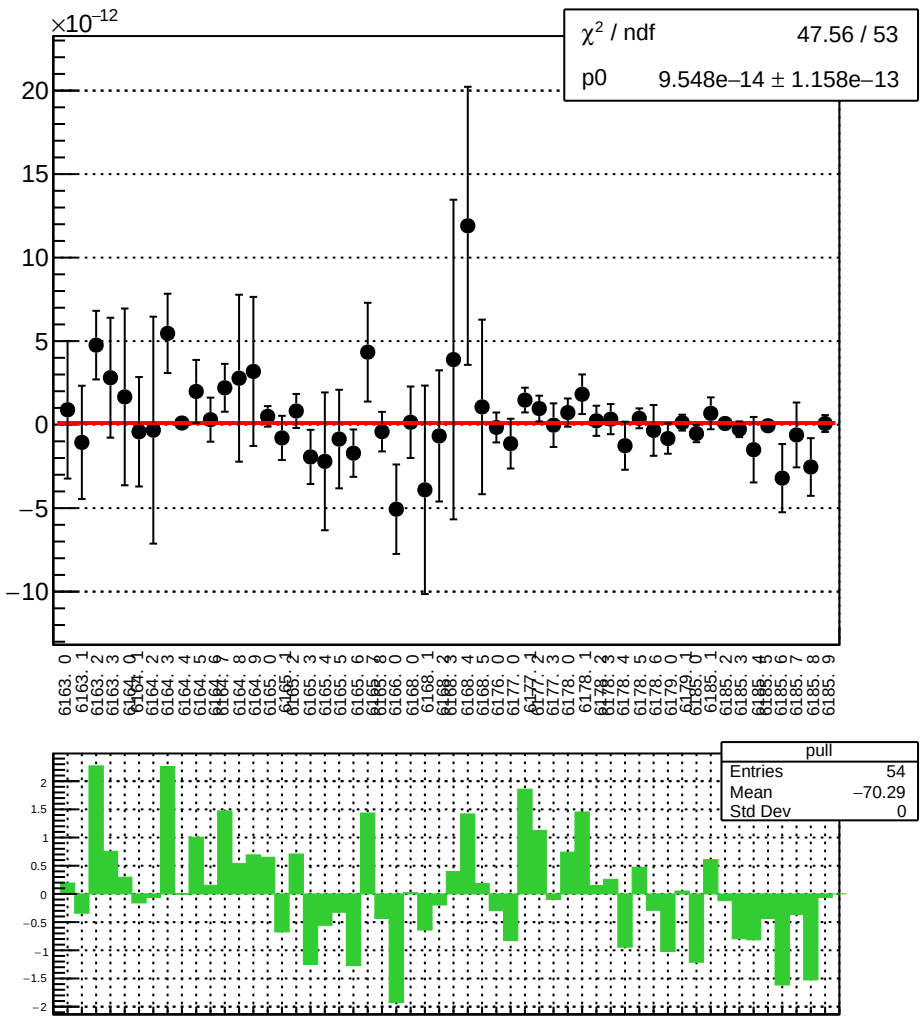

pull1D
Entries 54
Mean 0.05307
Std Dev 1

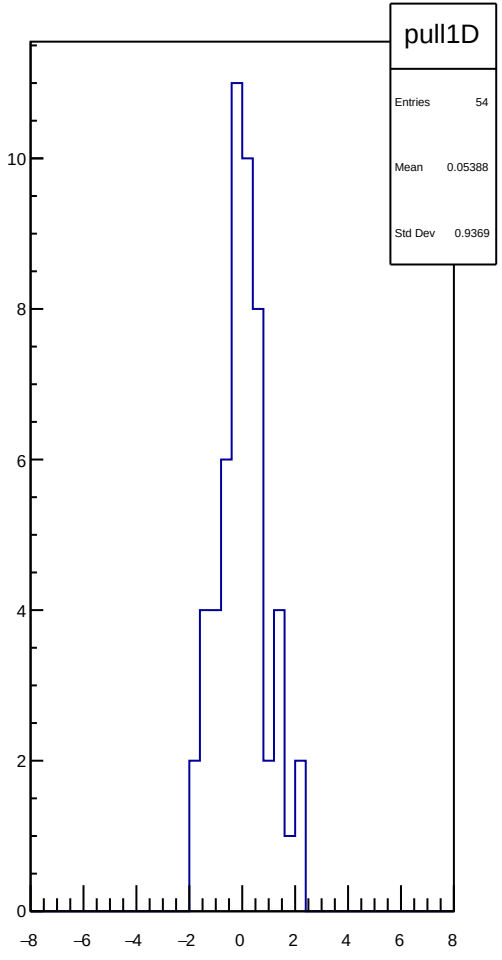

asym_sam_26_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.735e+05 / 53
p0 45.05 ± 0.0486
140
120
100
80
60
40
20
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

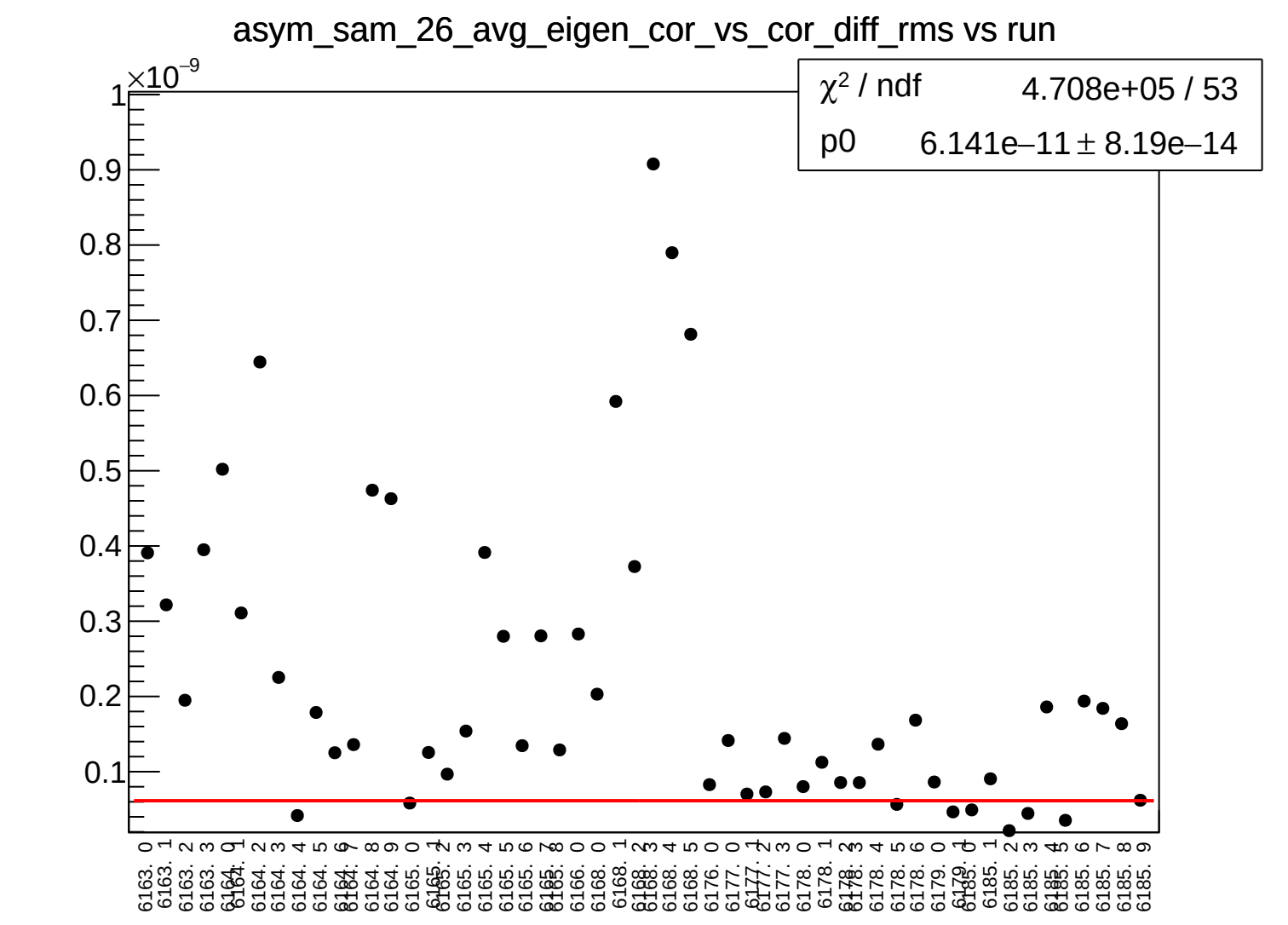

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 54.17 / 53
p0 −0.04427 ± 0.06873
pull
Entries 54
Mean −9.799
Std Dev 0

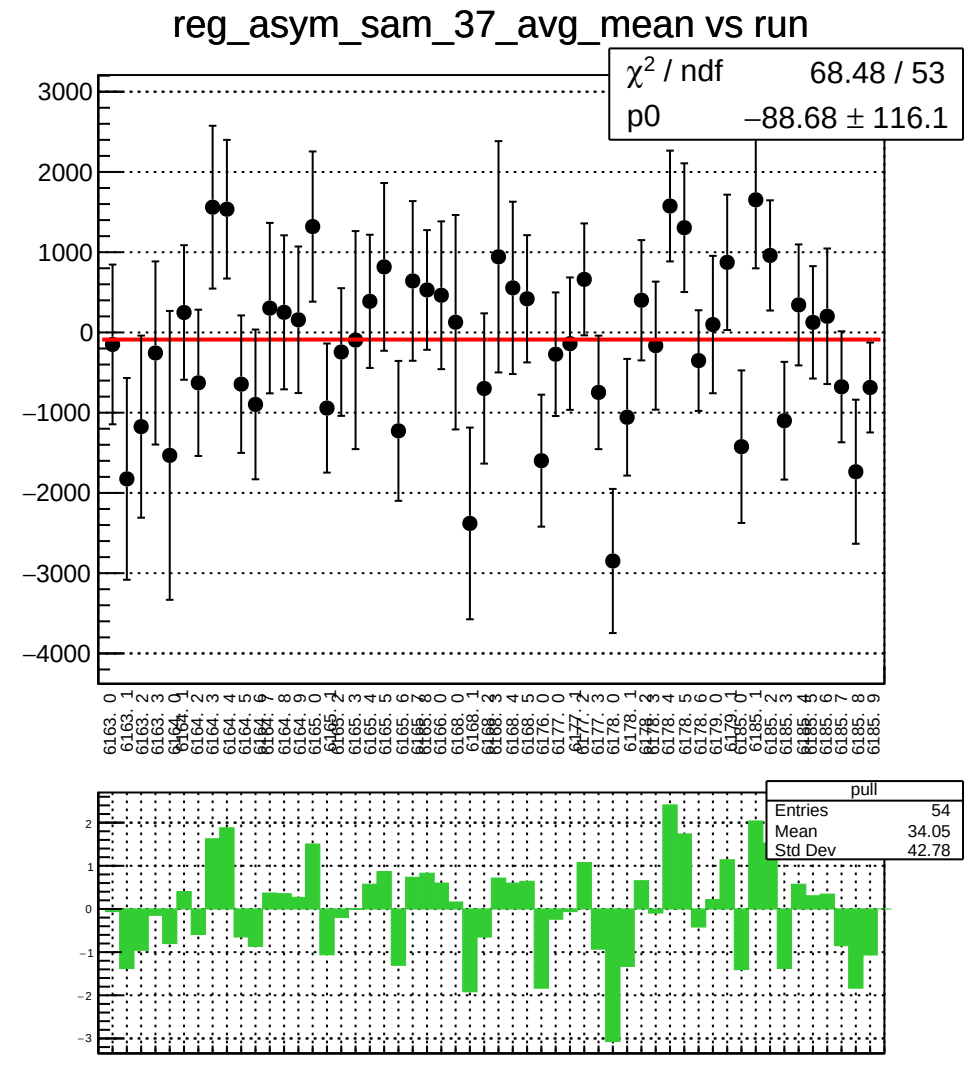

pull1D
Entries 54
Mean 0.05307
Std Dev 1

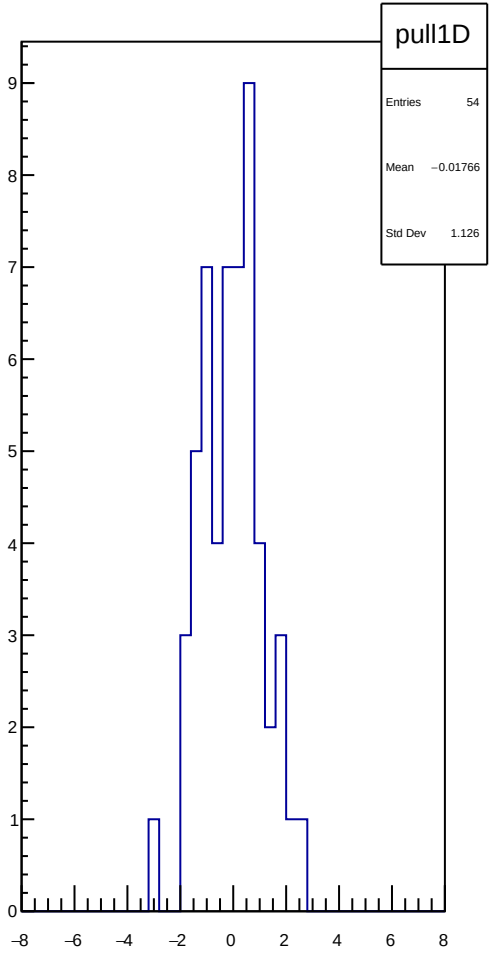

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.735e+05 / 53
p0 45.05 ± 0.0486
140
120
100
80
60
40
20
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

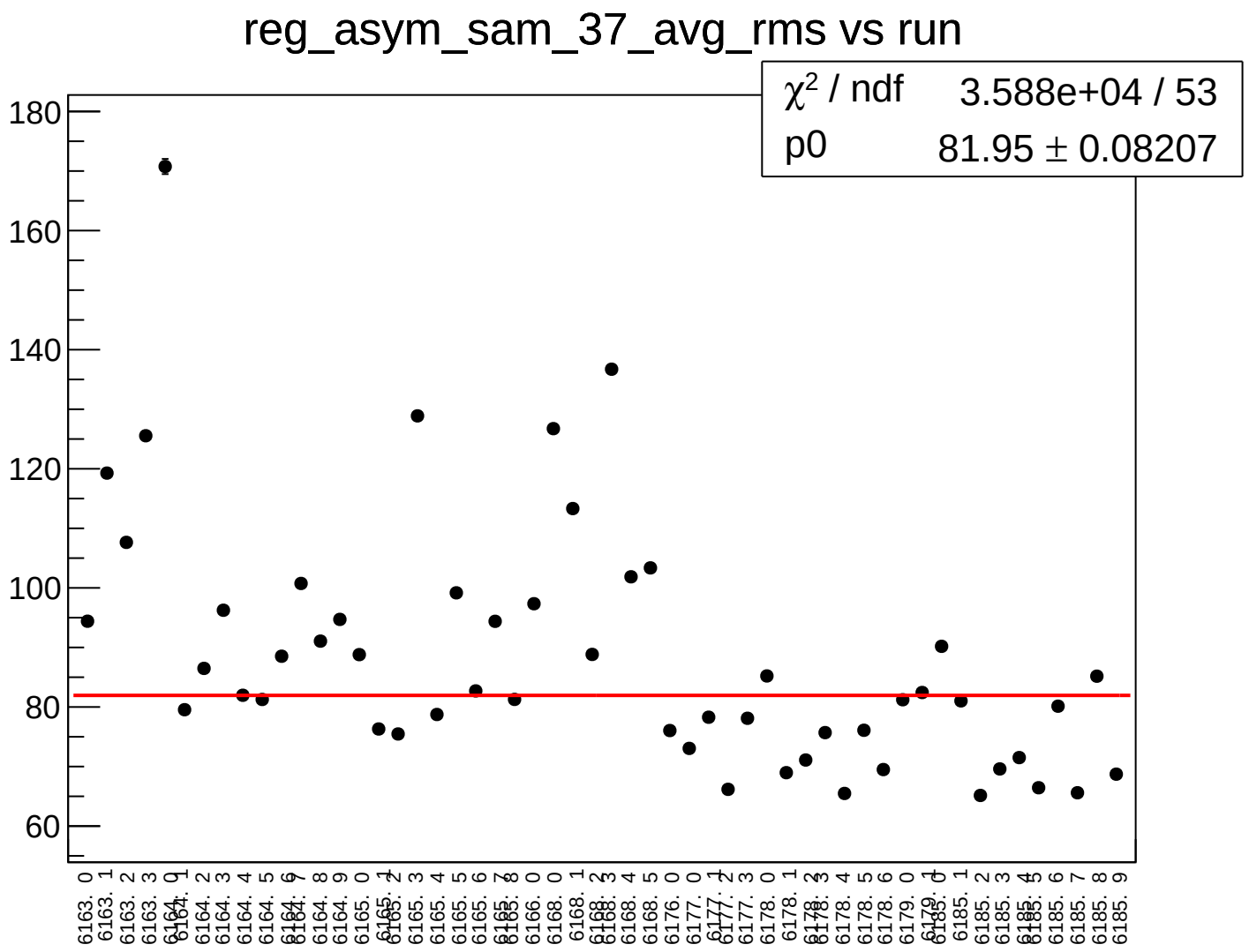

asym_sam_26_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 47.56 / 53
p0 9.548e−14 ± 1.158e−13
pull
Entries 54
Mean −70.29
Std Dev 0

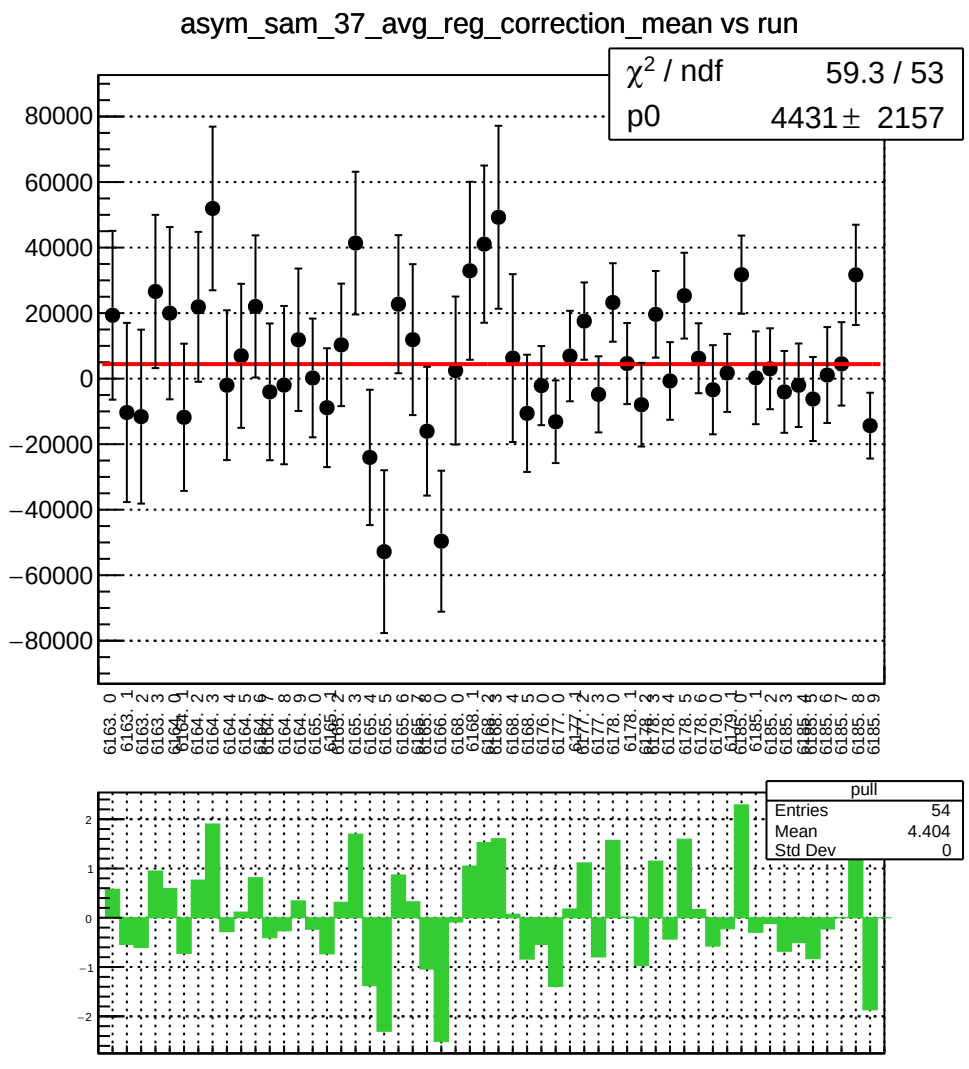

pull1D
Entries 54
Mean 0.05388
Std Dev 0.9369

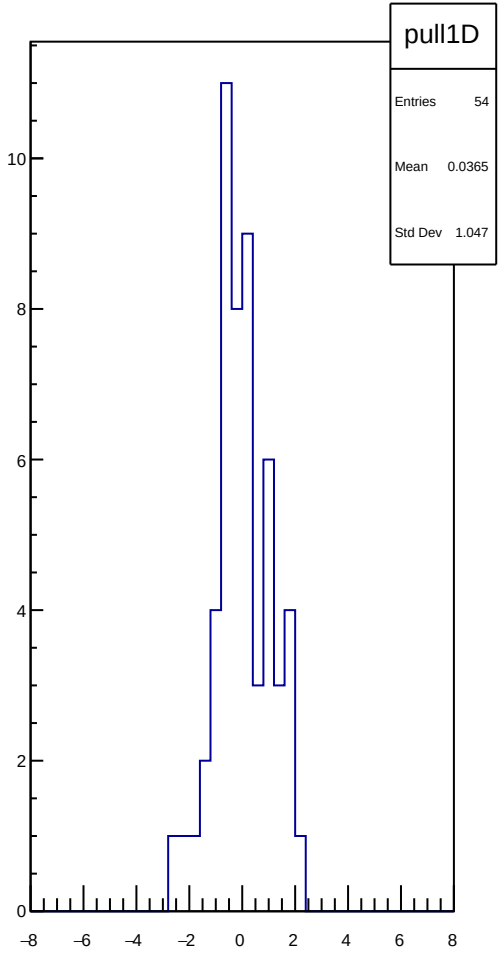

asym_sam_26_avg_eigen_cor_vs_cor_diff_rms vs run
χ² / ndf 4.708e+05 / 53
p0 6.141e−11 ± 8.19e−14
×10⁻⁹
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 4
6185. 5
6185. 6
6185. 7
6185. 8
6185. 9

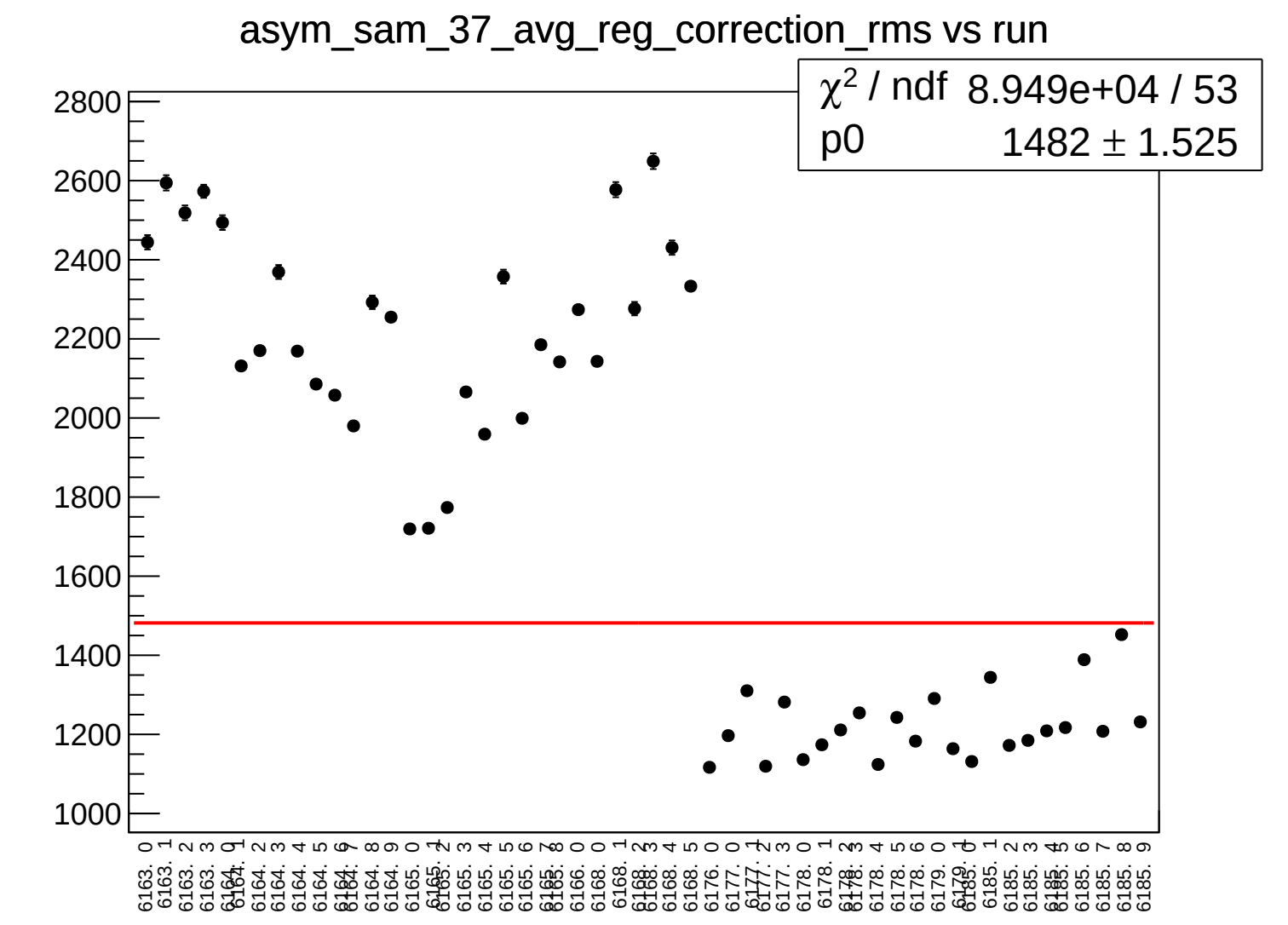

reg_asym_sam_37_avg_mean vs run
χ² / ndf 68.48 / 53
p0 −88.68 ± 116.1
pull
Entries 54
Mean 34.05
Std Dev 42.78

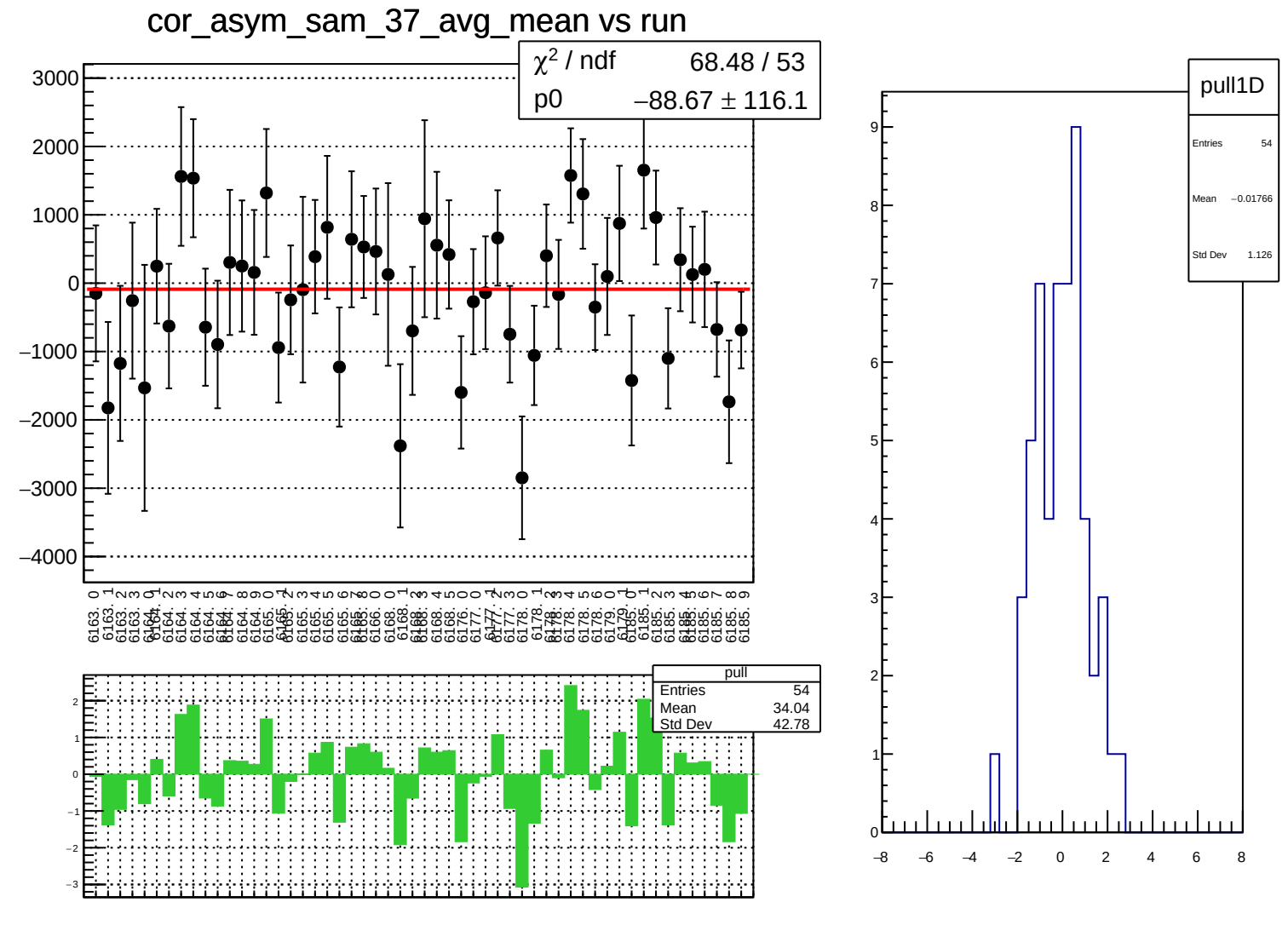

pull1D
Entries 54
Mean −0.01766
Std Dev 1.126

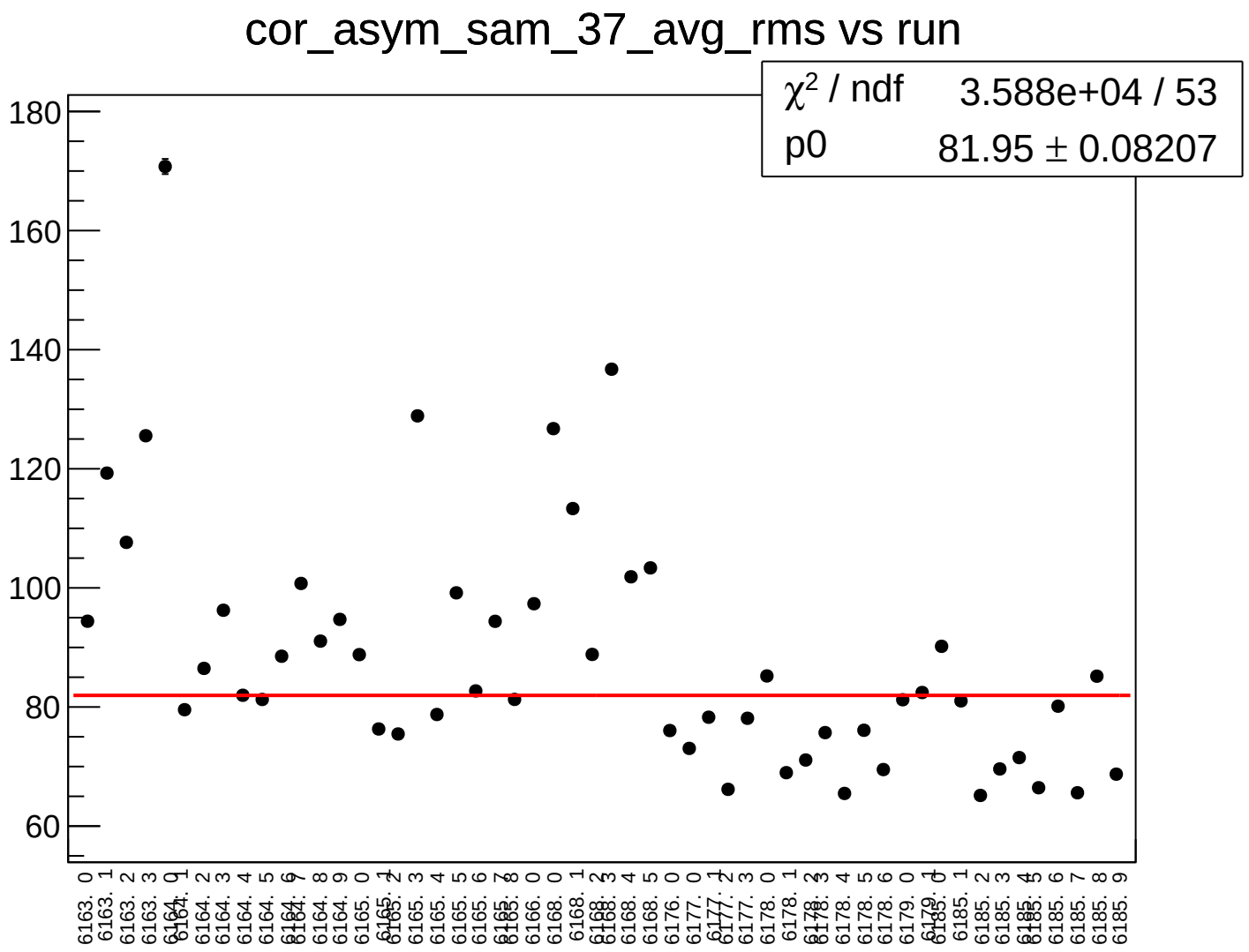

reg_asym_sam_37_avg_rms vs run
χ² / ndf 3.588e+04 / 53
p0 81.95 ± 0.08207
180
160
140
120
100
80
60
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


asym_sam_37_avg_reg_correction_mean vs run
χ² / ndf 59.3 / 53
p0 4431 ± 2157
pull
Entries 54
Mean 4.404
Std Dev 0


pull1D
Entries 54
Mean 0.0365
Std Dev 1.047


asym_sam_37_avg_reg_correction_rms vs run
χ² / ndf 8.949e+04 / 53
p0 1482 ± 1.525
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


cor_asym_sam_37_avg_mean vs run
χ² / ndf 68.48 / 53
p0 −88.67 ± 116.1
pull
Entries 54
Mean 34.04
Std Dev 42.78
pull1D
Entries 54
Mean −0.01766
Std Dev 1.126


cor_asym_sam_37_avg_rms vs run
χ² / ndf 3.588e+04 / 53
p0 81.95 ± 0.08207
180
160
140
120
100
80
60
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 3
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
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6179. 0
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6185. 2
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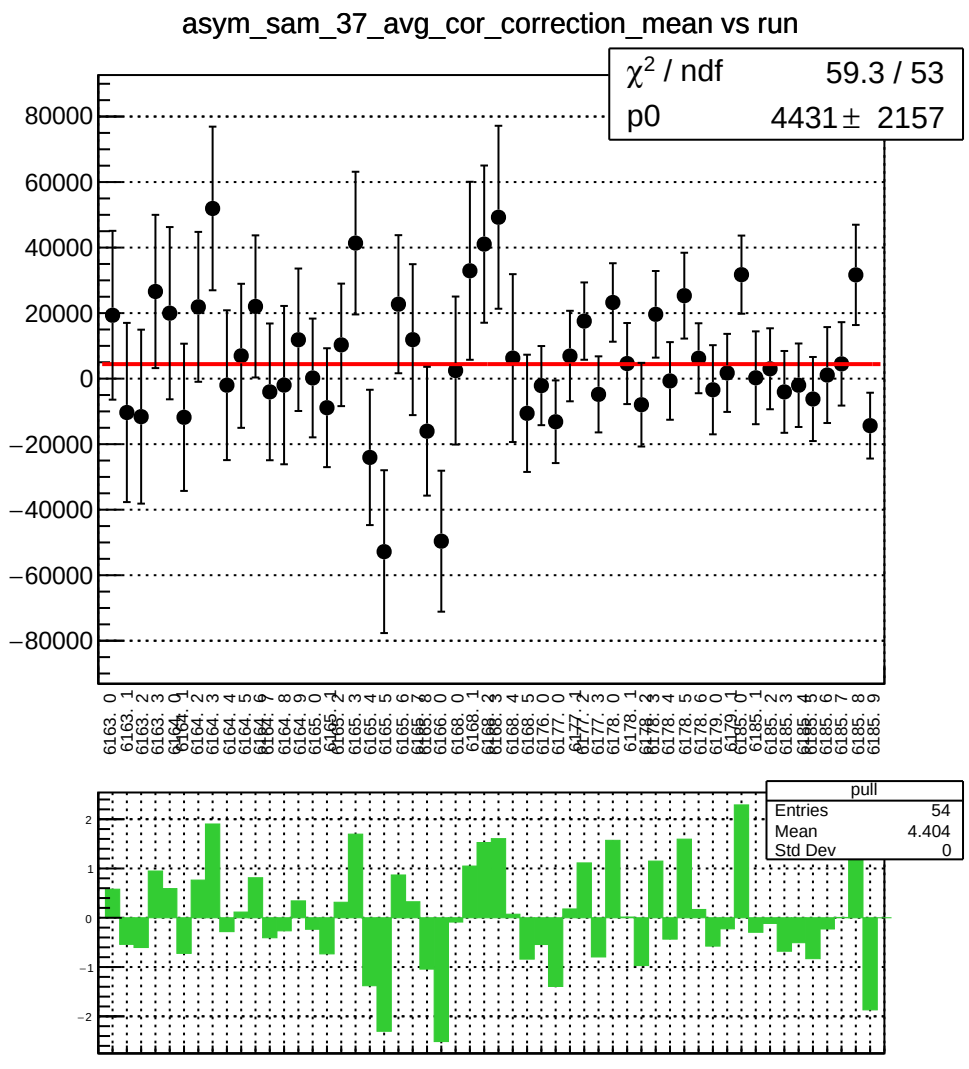
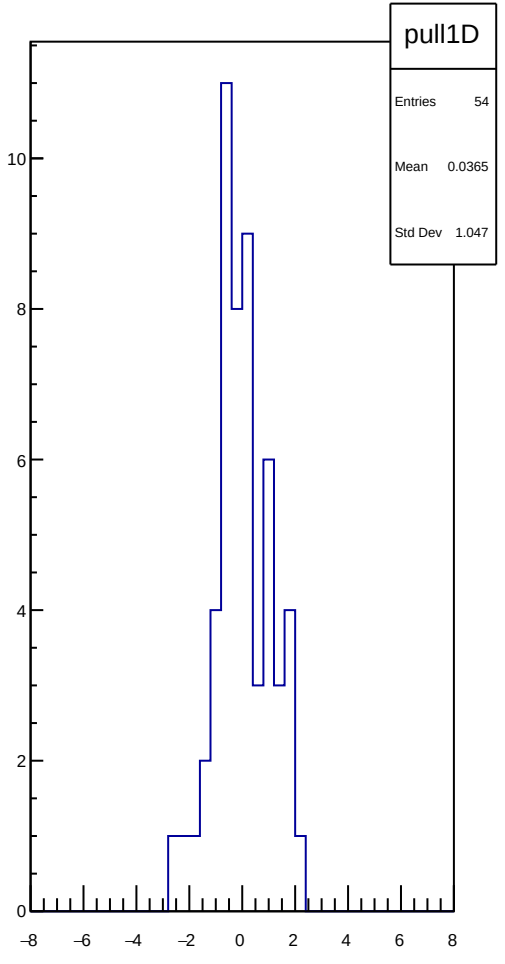
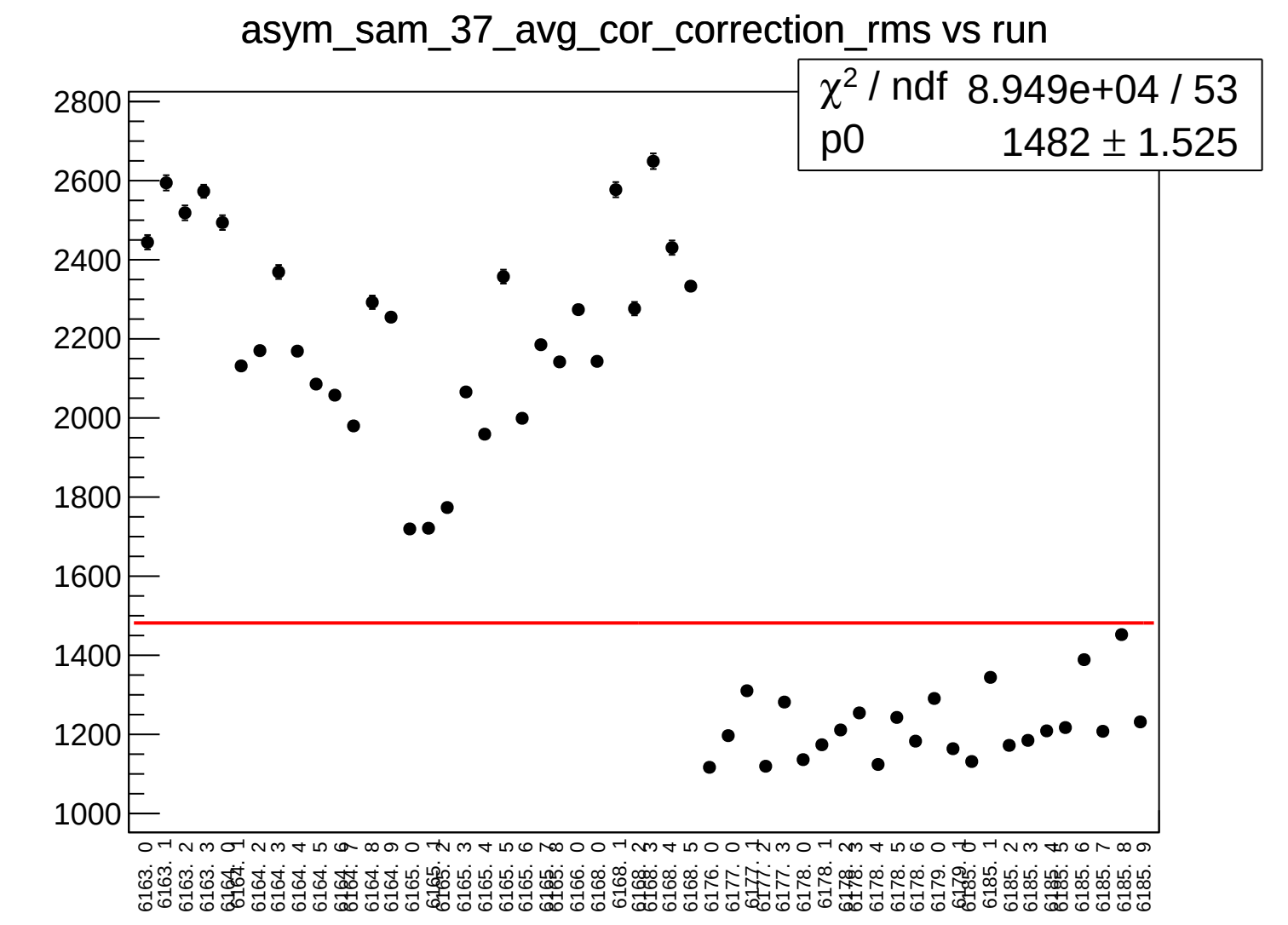
6185. 8
6185. 9


asym_sam_37_avg_cor_correction_mean vs run
χ² / ndf 59.3 / 53
p0 4431 ± 2157
pull
Entries 54
Mean 4.404
Std Dev 0


pull1D
Entries 54
Mean 0.0365
Std Dev 1.047


asym_sam_37_avg_cor_correction_rms vs run
χ^2 / ndf 8.949e+04 / 53
p0 1482 ± 1.525
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
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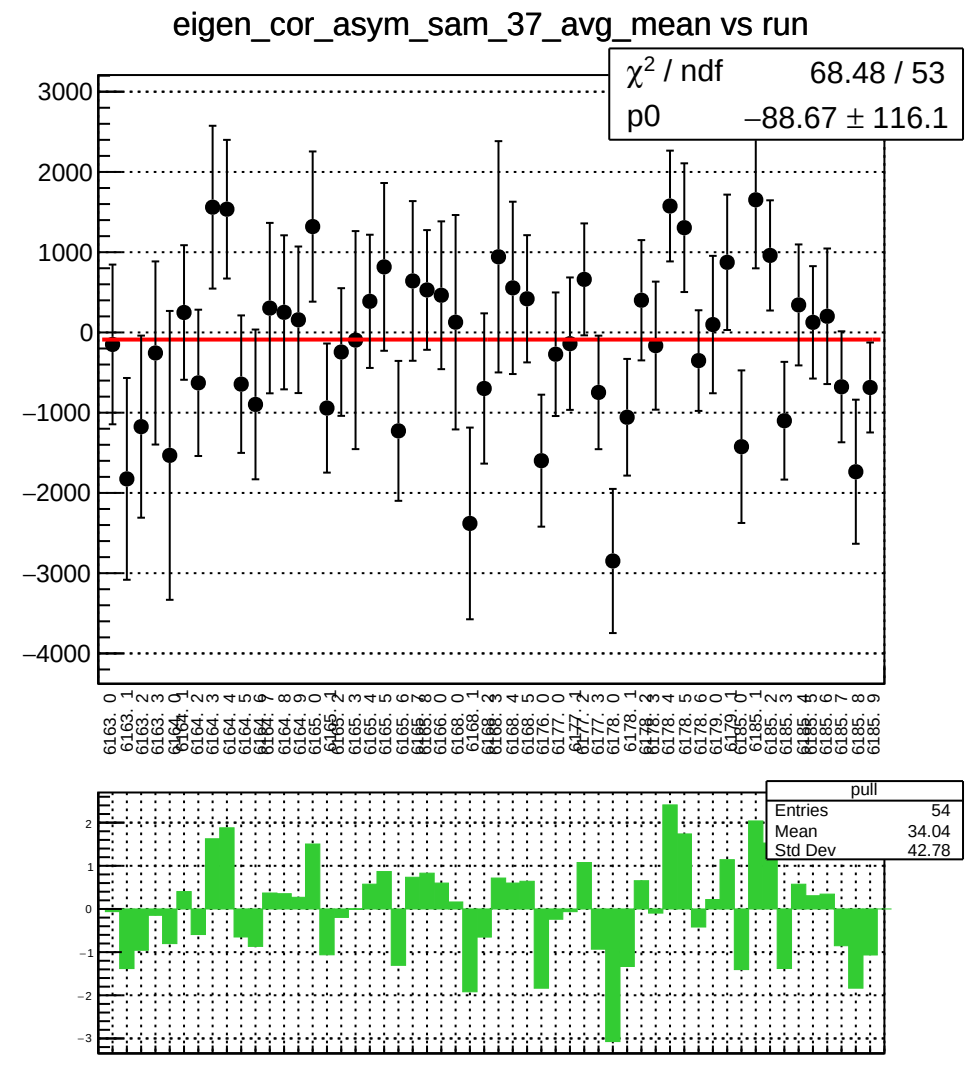
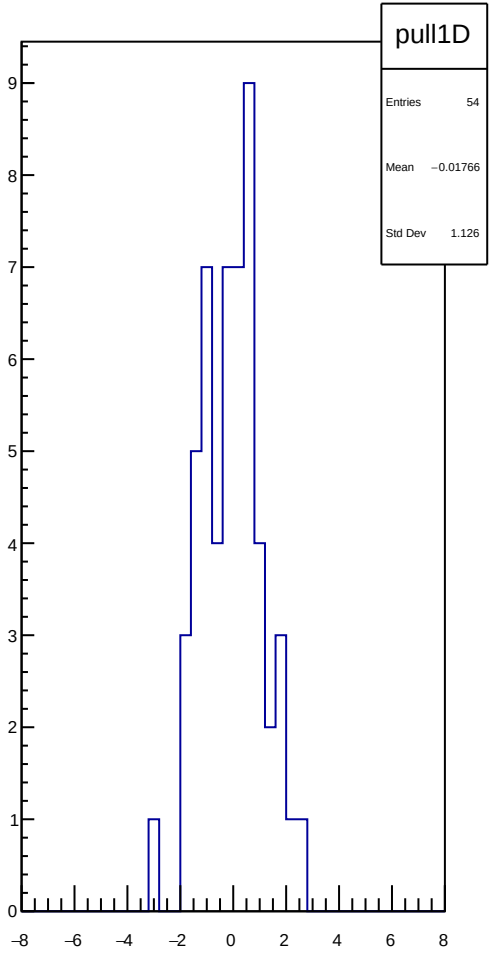
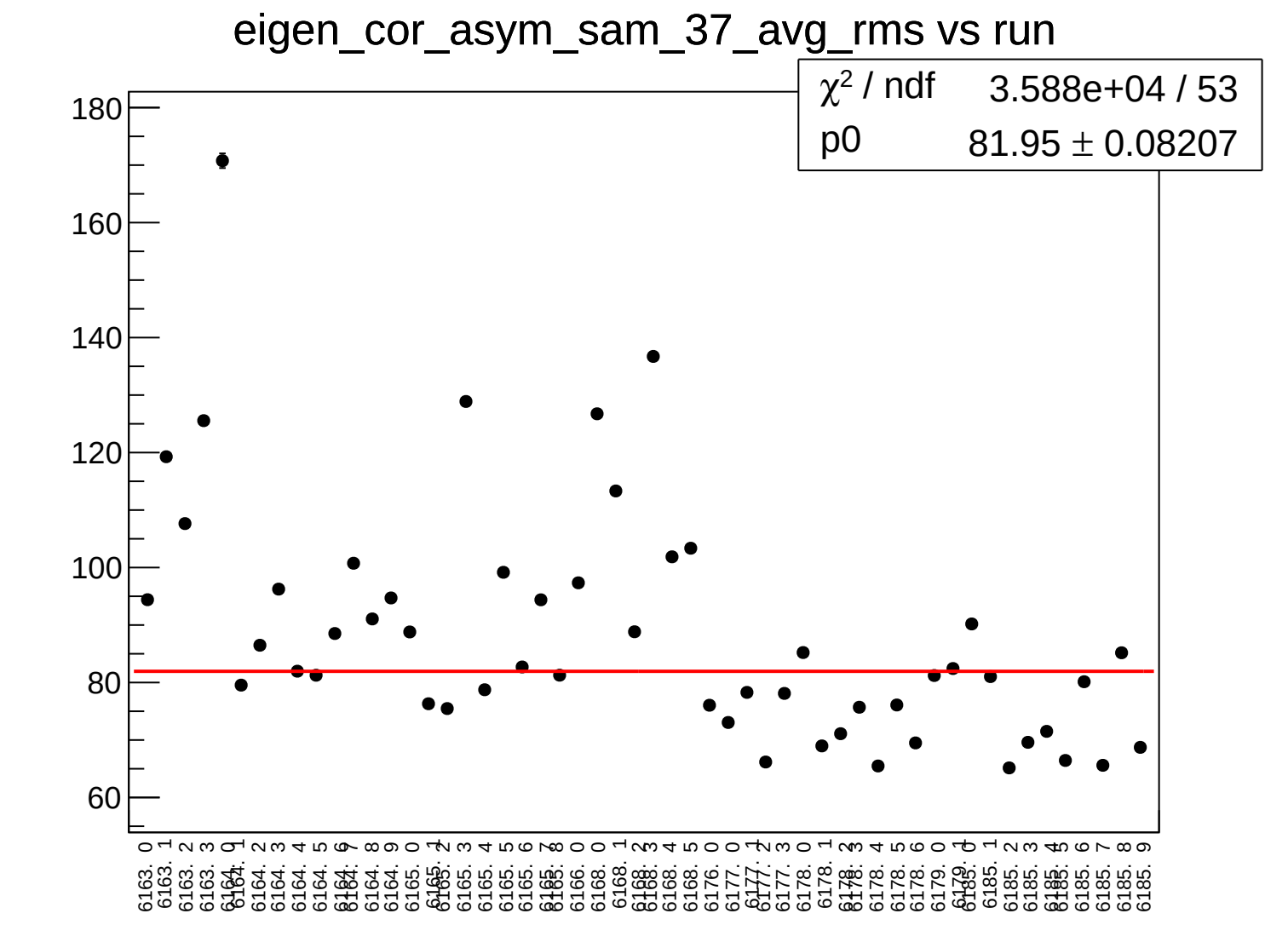
6185. 8
6185. 9


eigen_cor_asym_sam_37_avg_mean vs run
χ² / ndf 68.48 / 53
p0 −88.67 ± 116.1
pull
Entries 54
Mean 34.04
Std Dev 42.78


pull1D
Entries 54
Mean −0.01766
Std Dev 1.126


eigen_cor_asym_sam_37_avg_rms vs run
χ² / ndf 3.588e+04 / 53
p0 81.95 ± 0.08207
180
160
140
120
100
80
60
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
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6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
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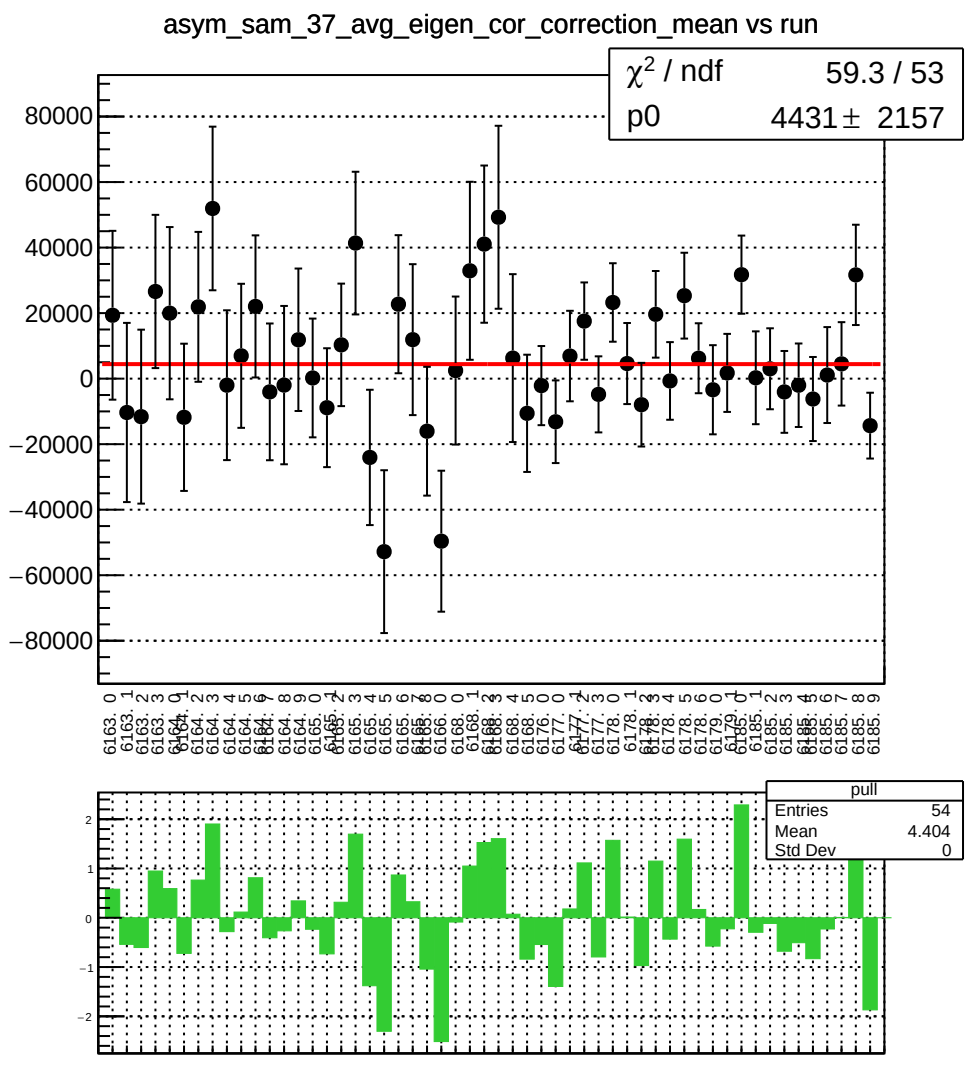
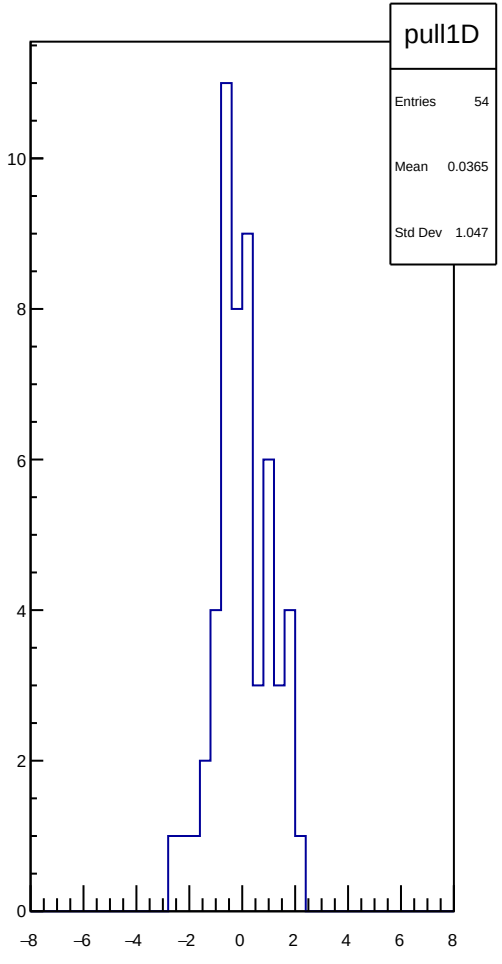
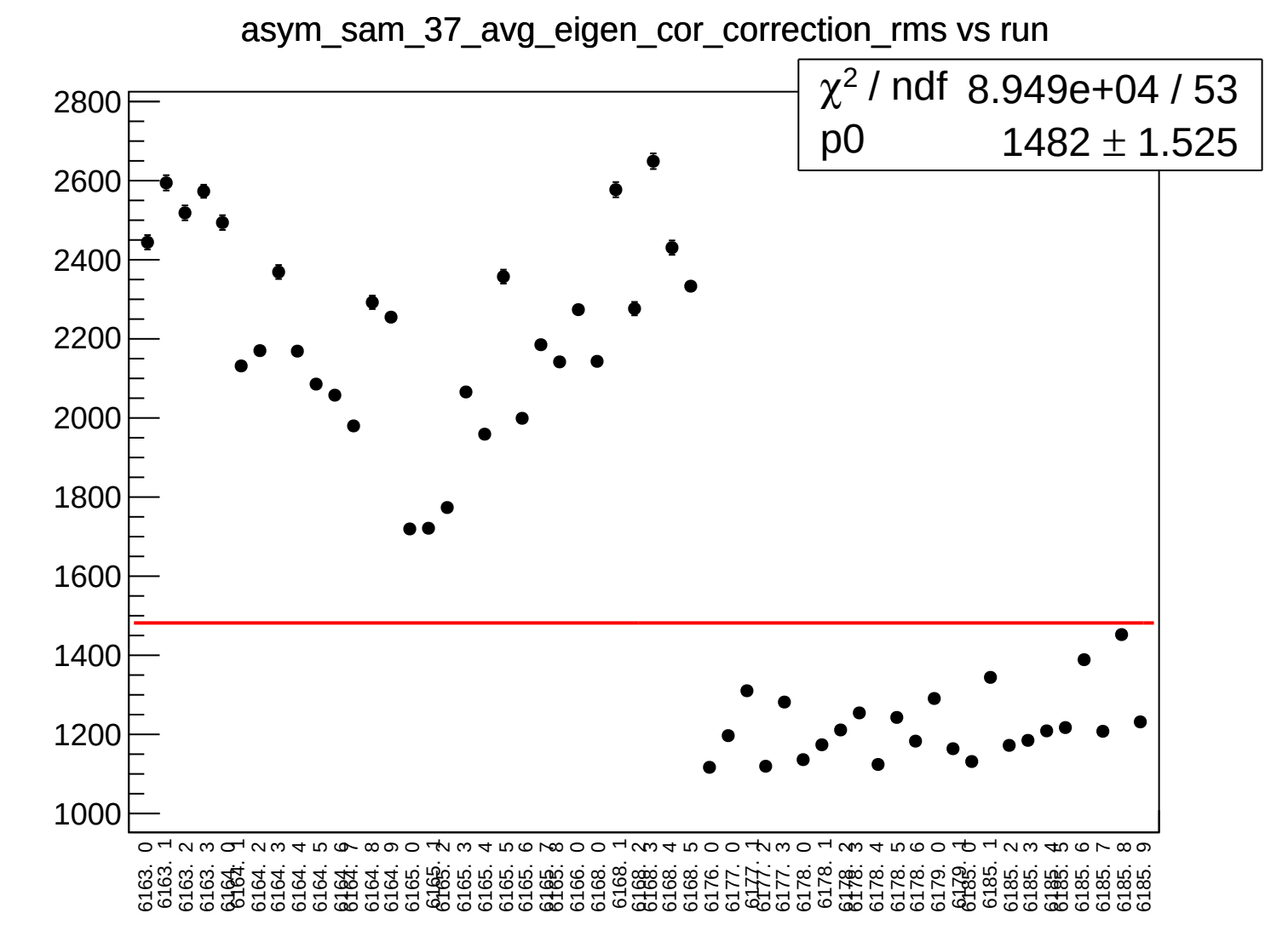
6185. 9


asym_sam_37_avg_eigen_cor_correction_mean vs run
χ² / ndf 59.3 / 53
p0 4431 ± 2157
pull
Entries 54
Mean 4.404
Std Dev 0


pull1D
Entries 54
Mean 0.0365
Std Dev 1.047


asym_sam_37_avg_eigen_cor_correction_rms vs run
χ² / ndf 8.949e+04 / 53
p0 1482 ± 1.525
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
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6185. 3
6185. 6
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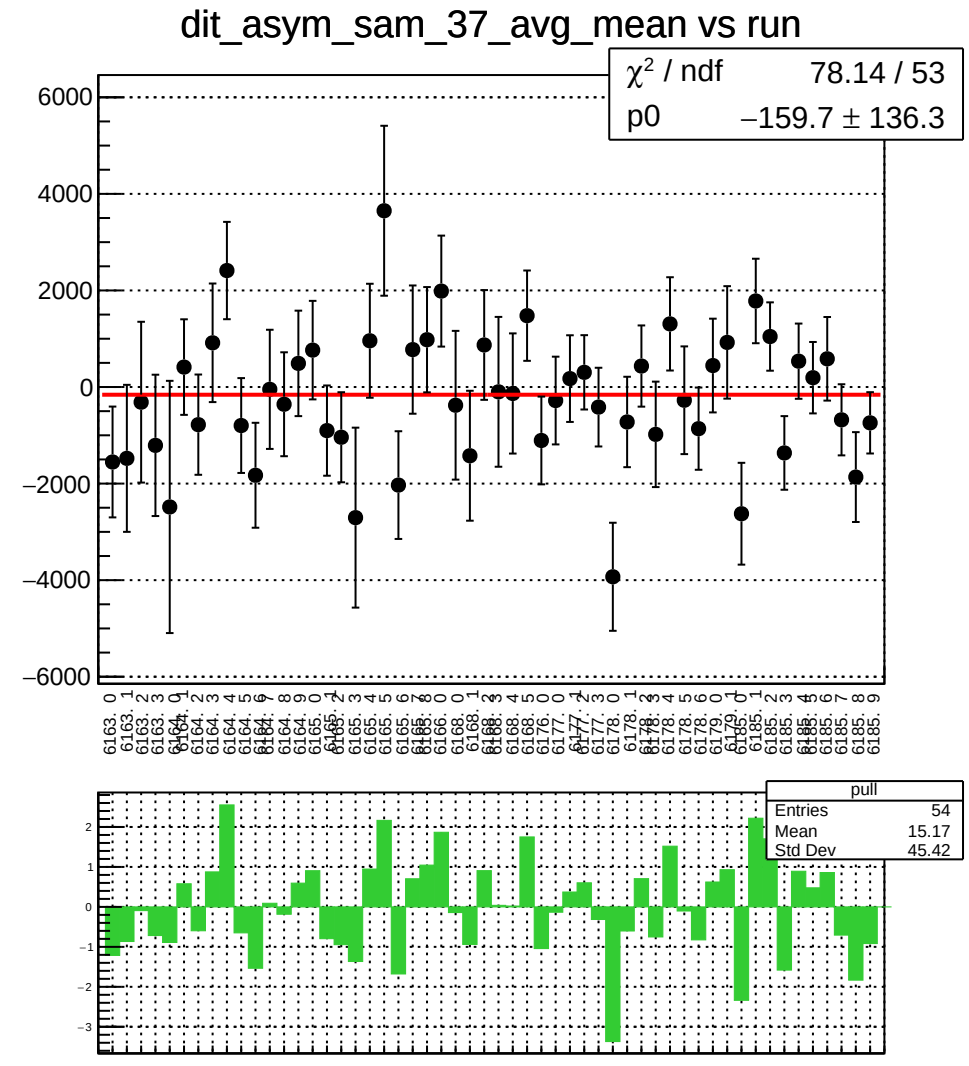
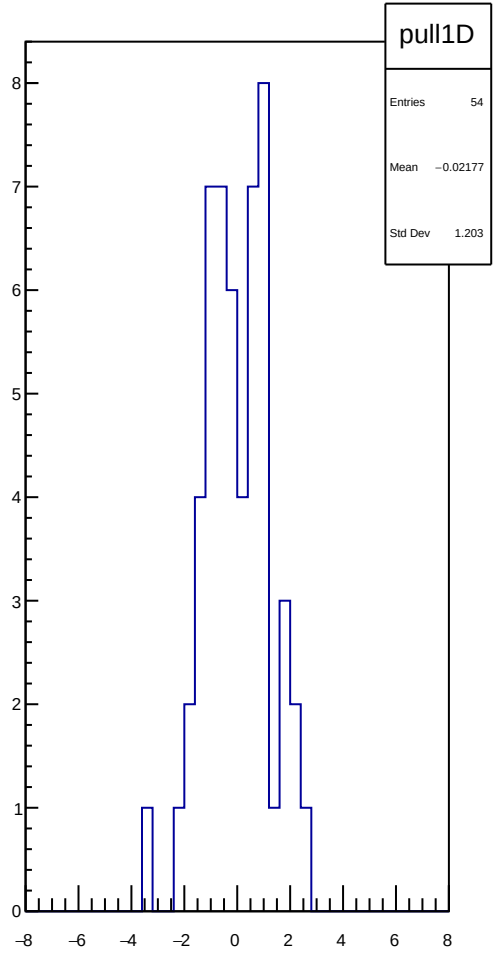
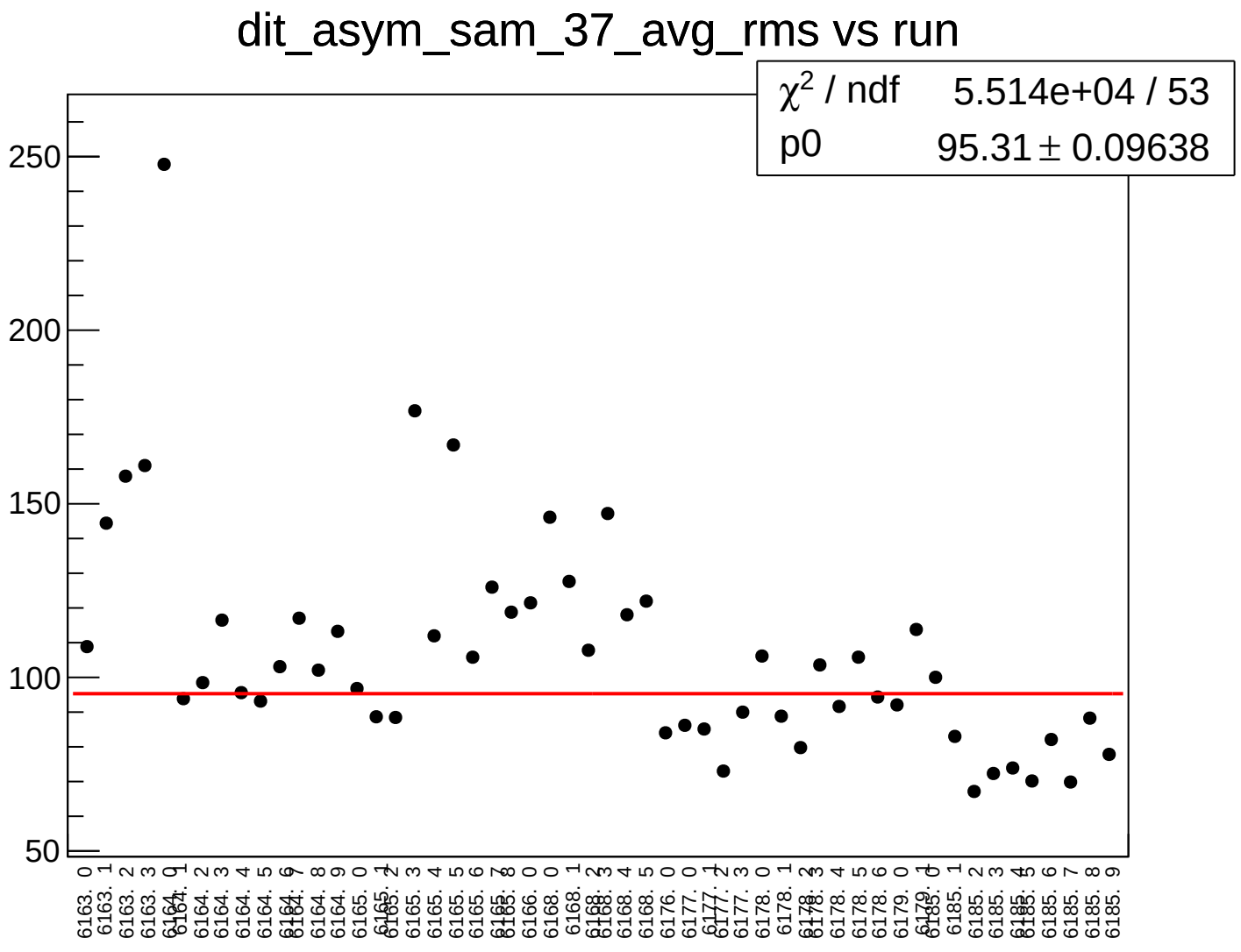
6185. 9


dit_asym_sam_37_avg_mean vs run
χ² / ndf 78.14 / 53
p0 −159.7 ± 136.3
pull
Entries 54
Mean 15.17
Std Dev 45.42


pull1D
Entries 54
Mean −0.02177
Std Dev 1.203


dit_asym_sam_37_avg_rms vs run
χ^2 / ndf 5.514e+04 / 53
p0 95.31 ± 0.09638
250
200
150
100
50
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
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6185. 0
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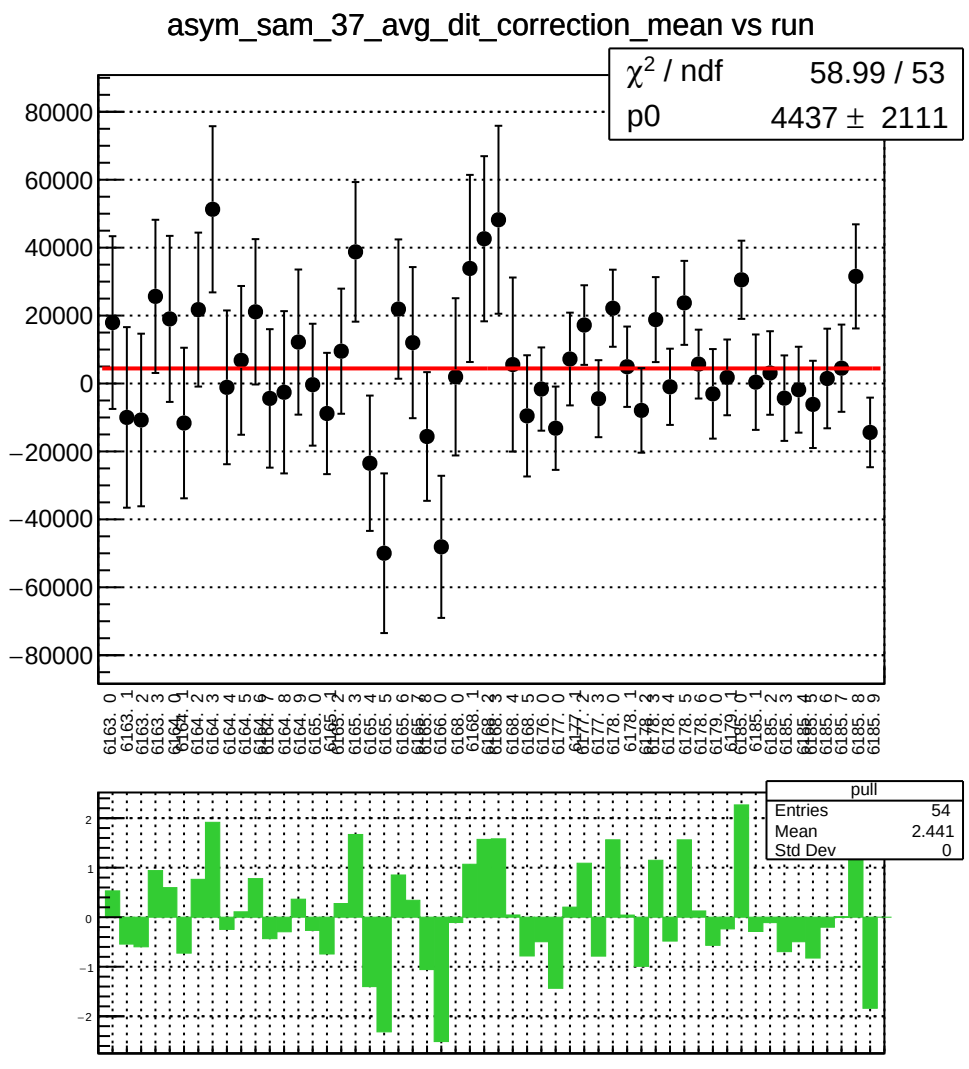
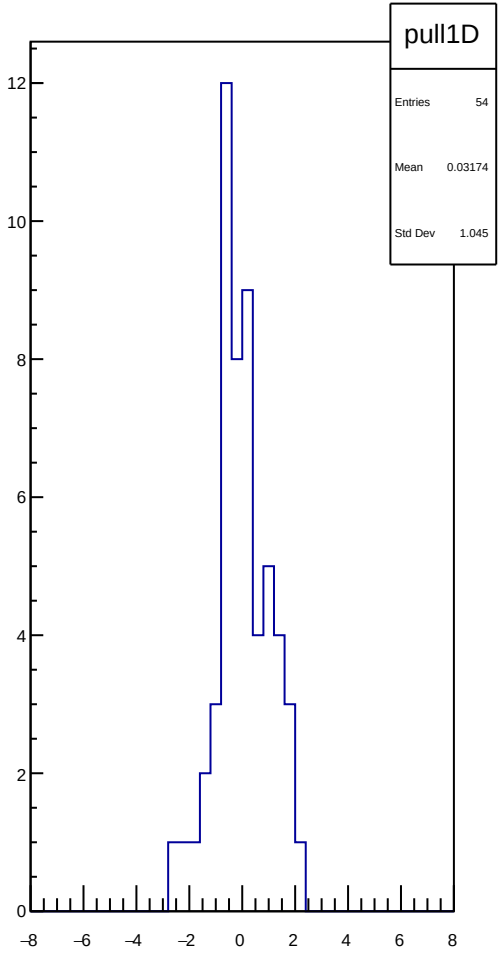
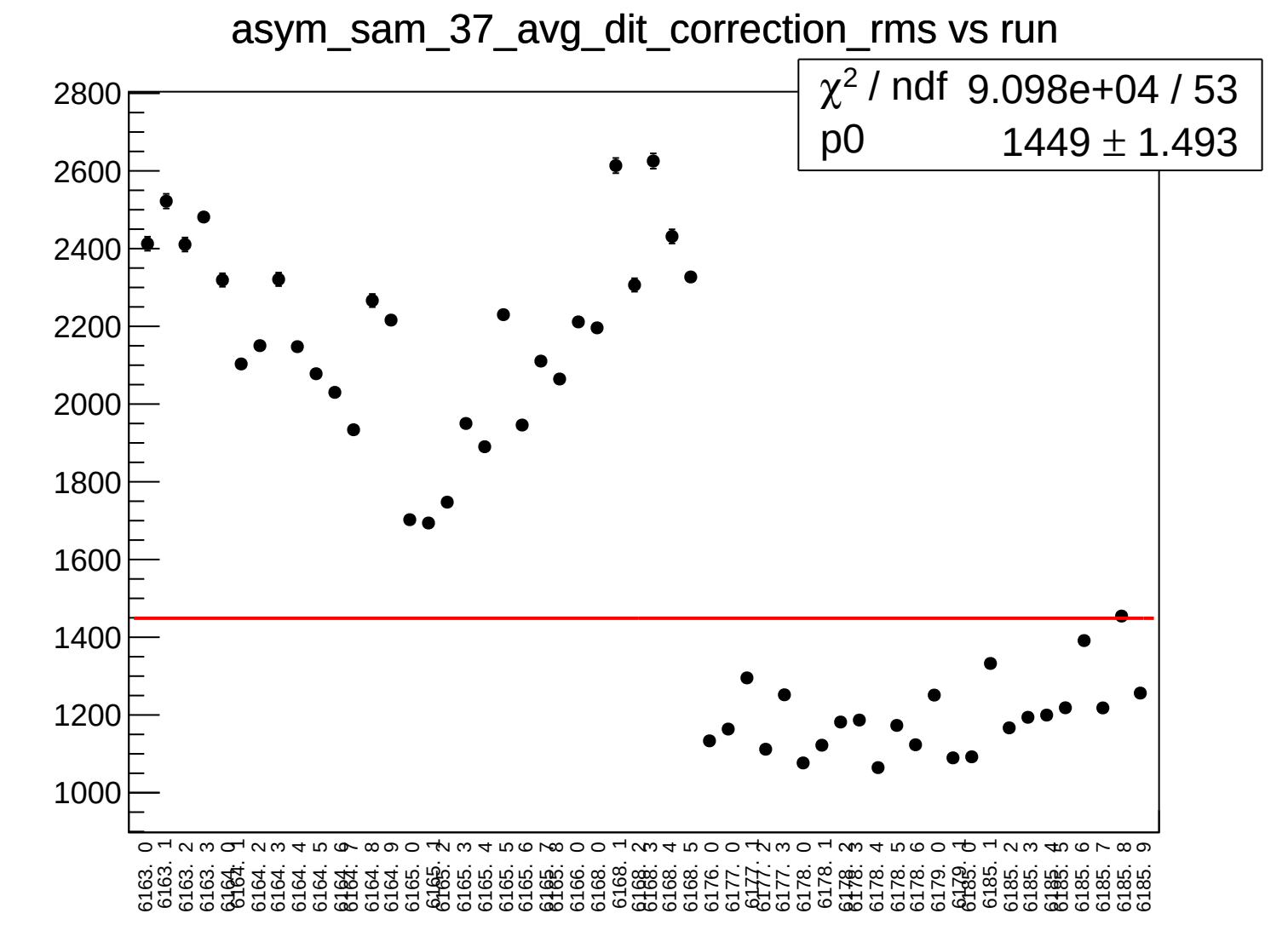
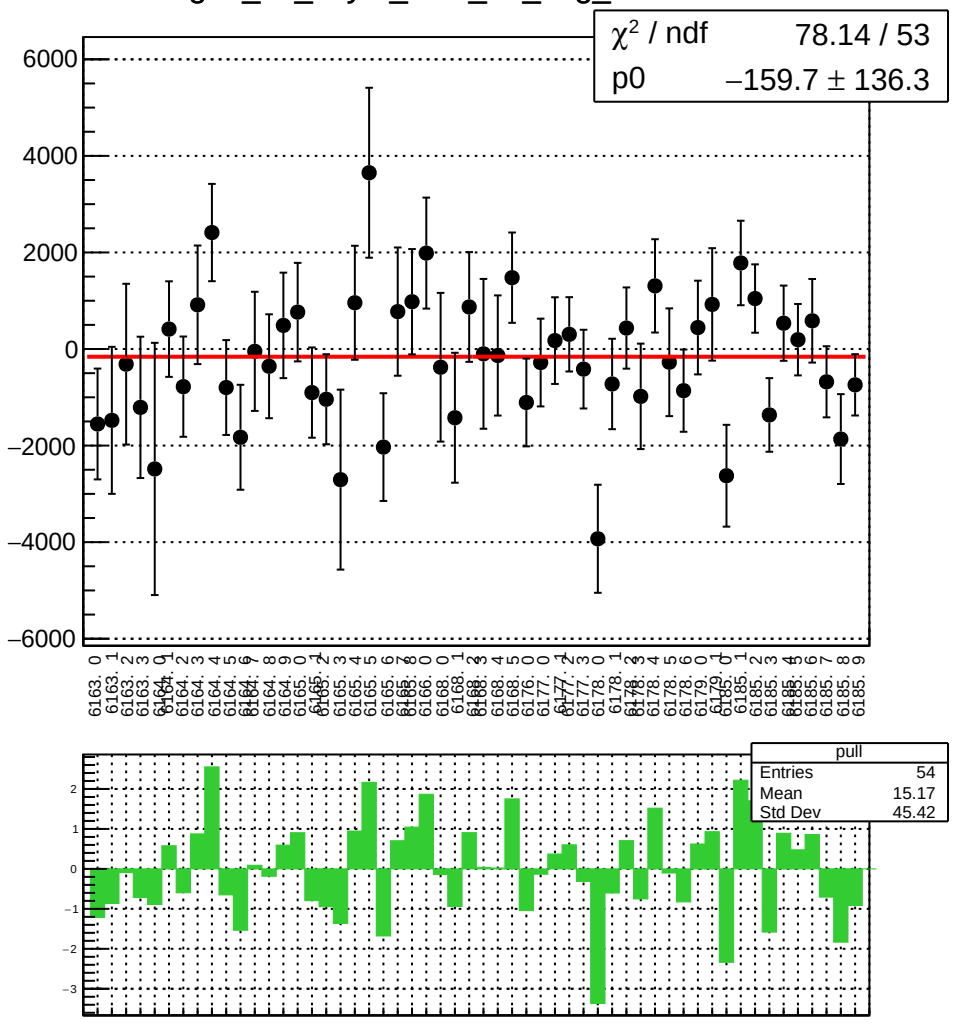
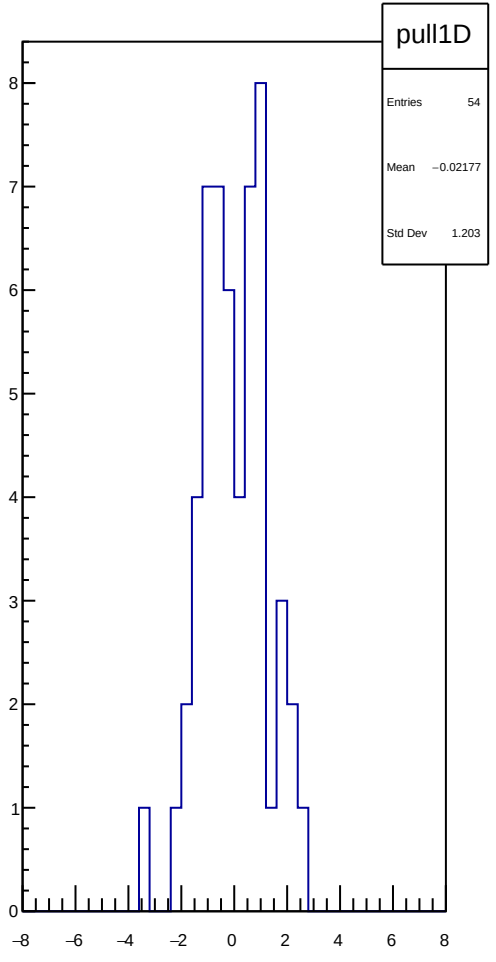
6185. 8
6185. 9

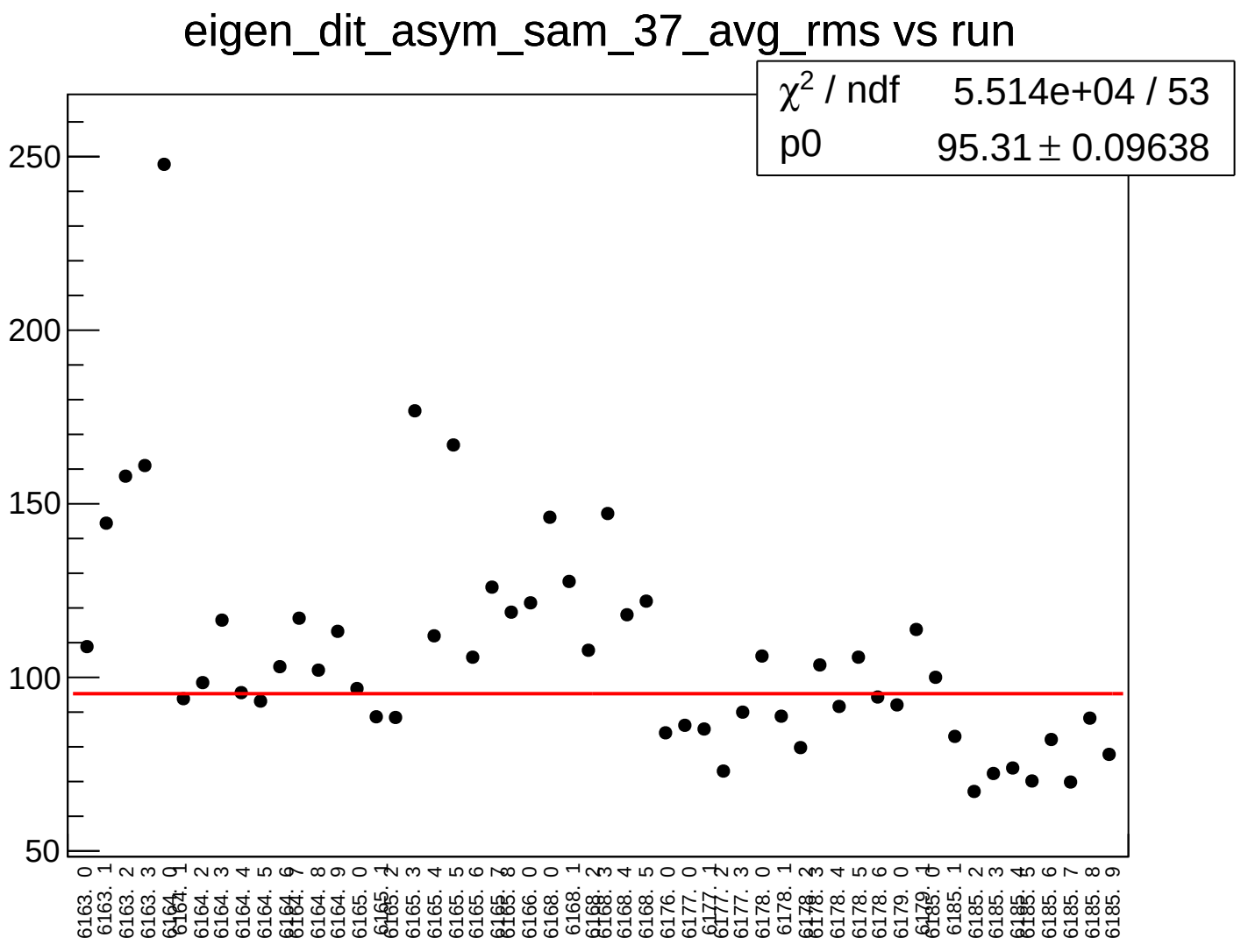

asym_sam_37_avg_dit_correction_mean vs run
χ² / ndf 58.99 / 53
p0 4437 ± 2111
pull
Entries 54
Mean 2.441
Std Dev 0


pull1D
Entries 54
Mean 0.03174
Std Dev 1.045


asym_sam_37_avg_dit_correction_rms vs run
χ² / ndf 9.098e+04 / 53
p0 1449 ± 1.493
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


eigen_dit_asym_sam_37_avg_mean vs run
χ² / ndf 78.14 / 53
p0 −159.7 ± 136.3
pull
Entries 54
Mean 15.17
Std Dev 45.42


pull1D
Entries 54
Mean −0.02177
Std Dev 1.203


eigen_dit_asym_sam_37_avg_rms vs run
χ^2 / ndf 5.514e+04 / 53
p0 95.31 ± 0.09638
250
200
150
100
50
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6168. 0
6168. 1
6168. 3
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
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6179. 0
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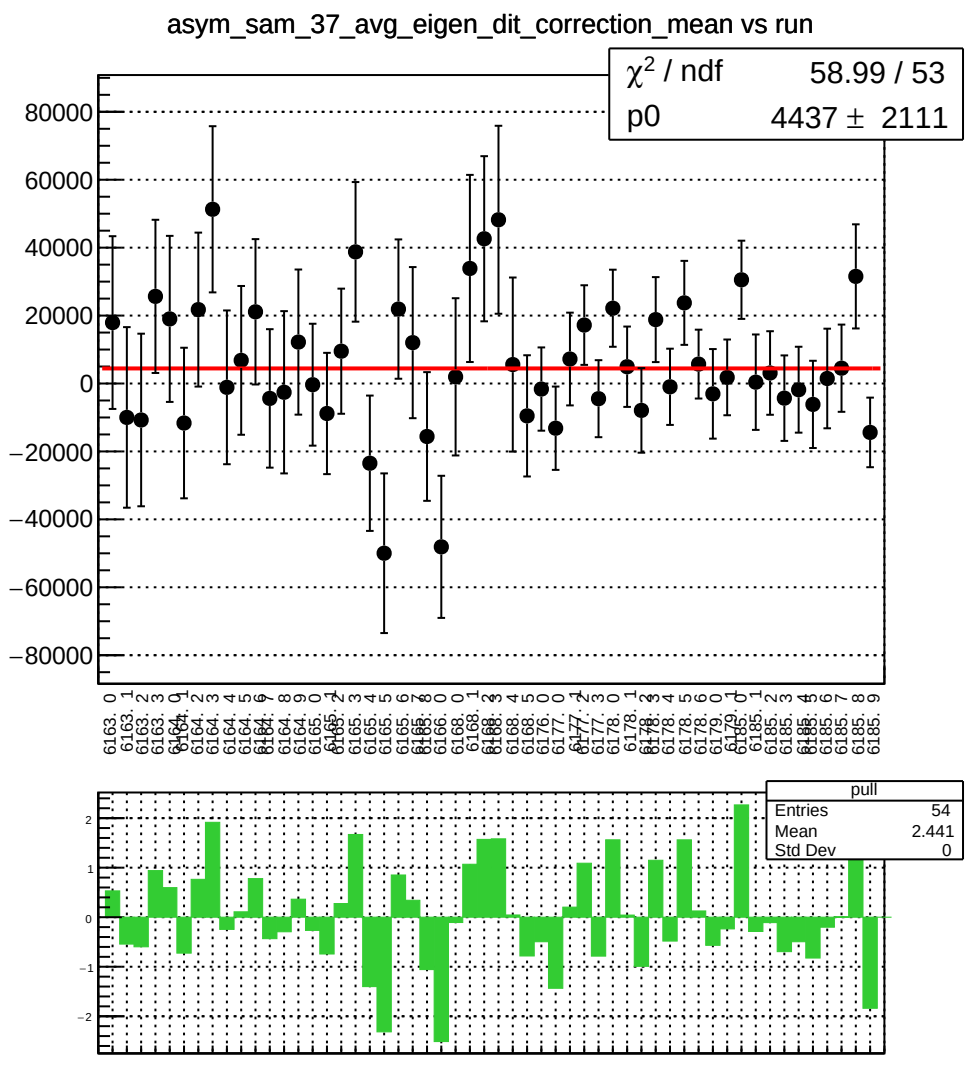
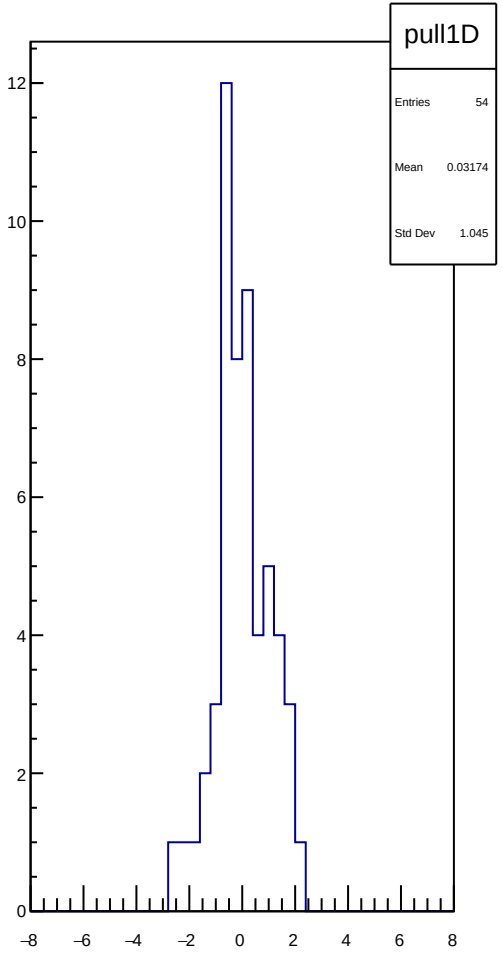
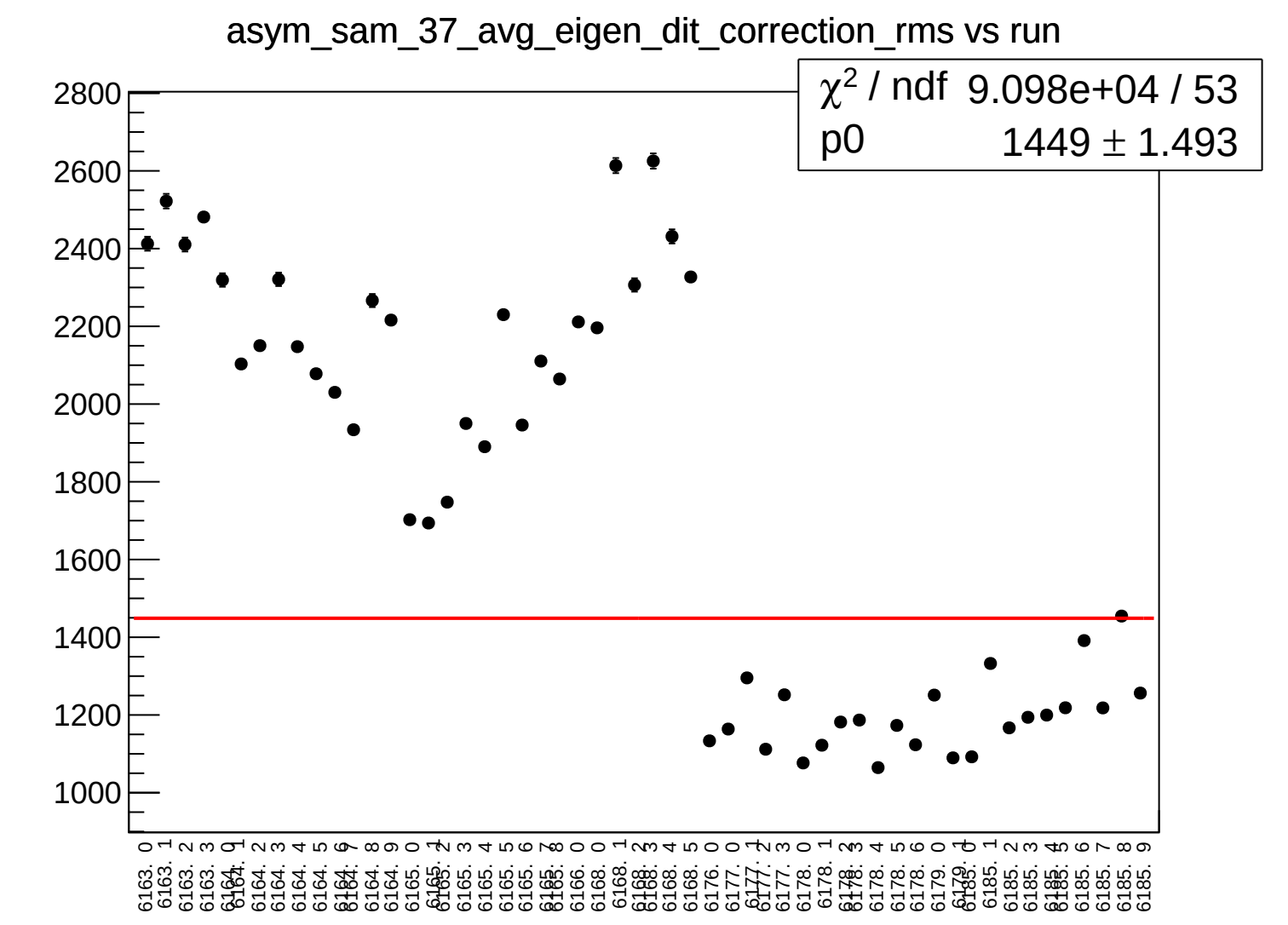
6185. 8
6185. 9


asym_sam_37_avg_eigen_dit_correction_mean vs run
χ² / ndf 58.99 / 53
p0 4437 ± 2111
pull
Entries 54
Mean 2.441
Std Dev 0


pull1D
Entries 54
Mean 0.03174
Std Dev 1.045


asym_sam_37_avg_eigen_dit_correction_rms vs run
χ² / ndf 9.098e+04 / 53
p0 1449 ± 1.493
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
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6179. 0
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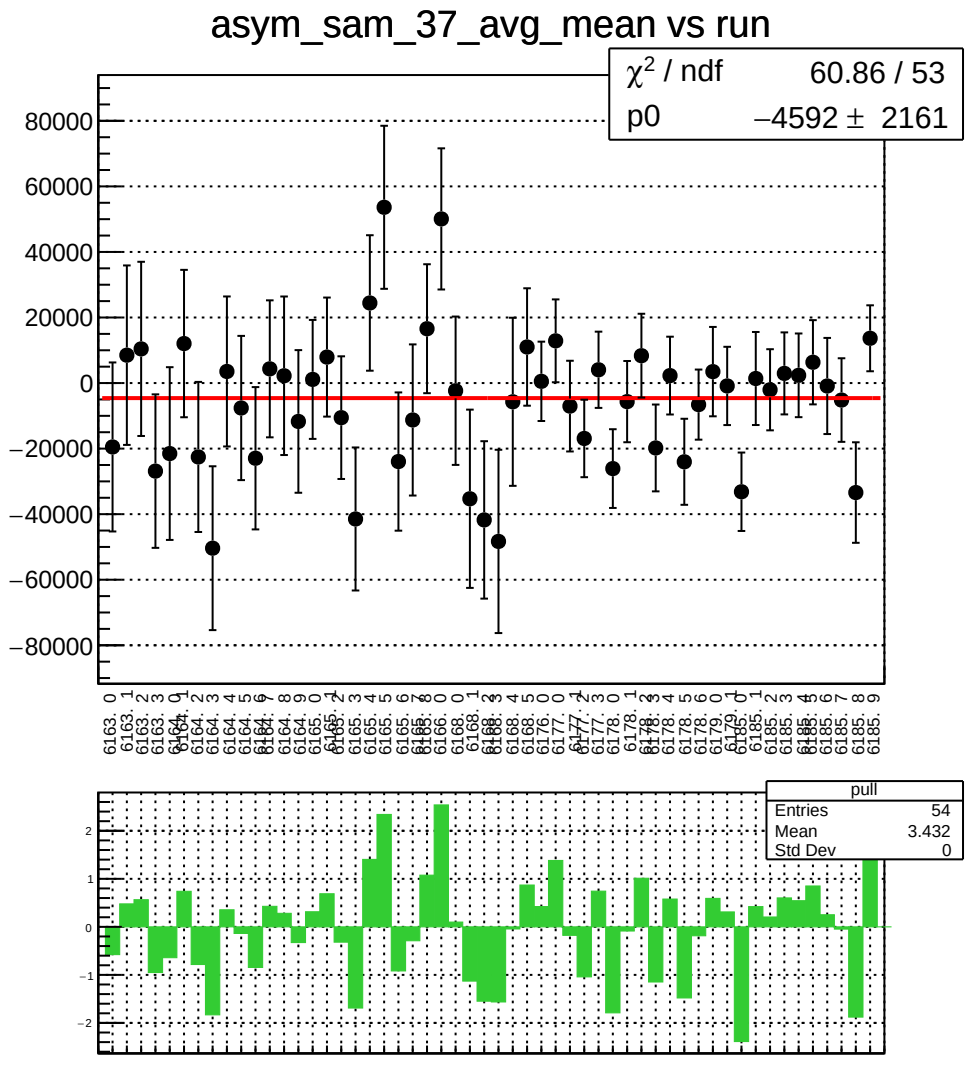
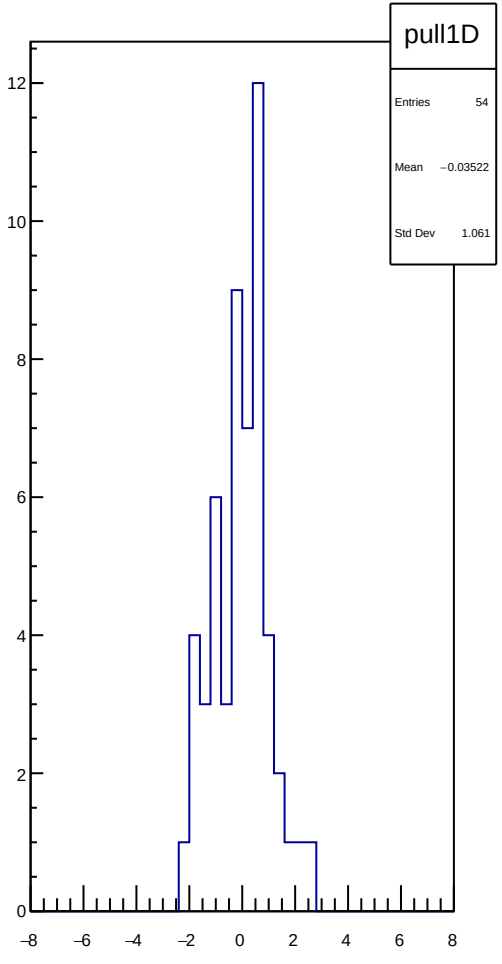
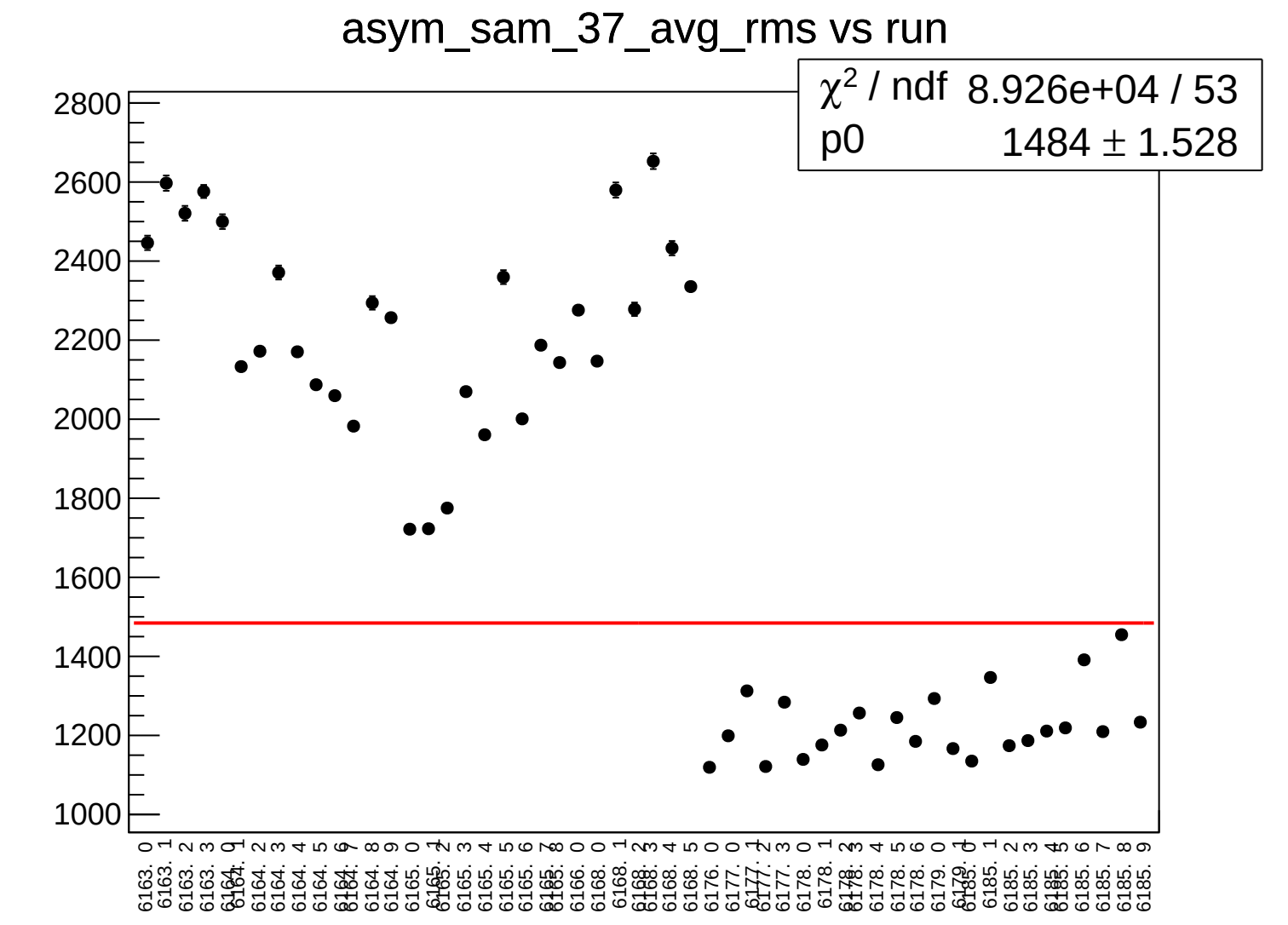
6185. 8
6185. 9


asym_sam_37_avg_mean vs run
χ² / ndf 60.86 / 53
p0 −4592 ± 2161
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 54
Mean 3.432
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 54
Mean −0.03522
Std Dev 1.061
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 8.926e+04 / 53
p0 1484 ± 1.528
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
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6177. 3
6178. 0
6178. 1
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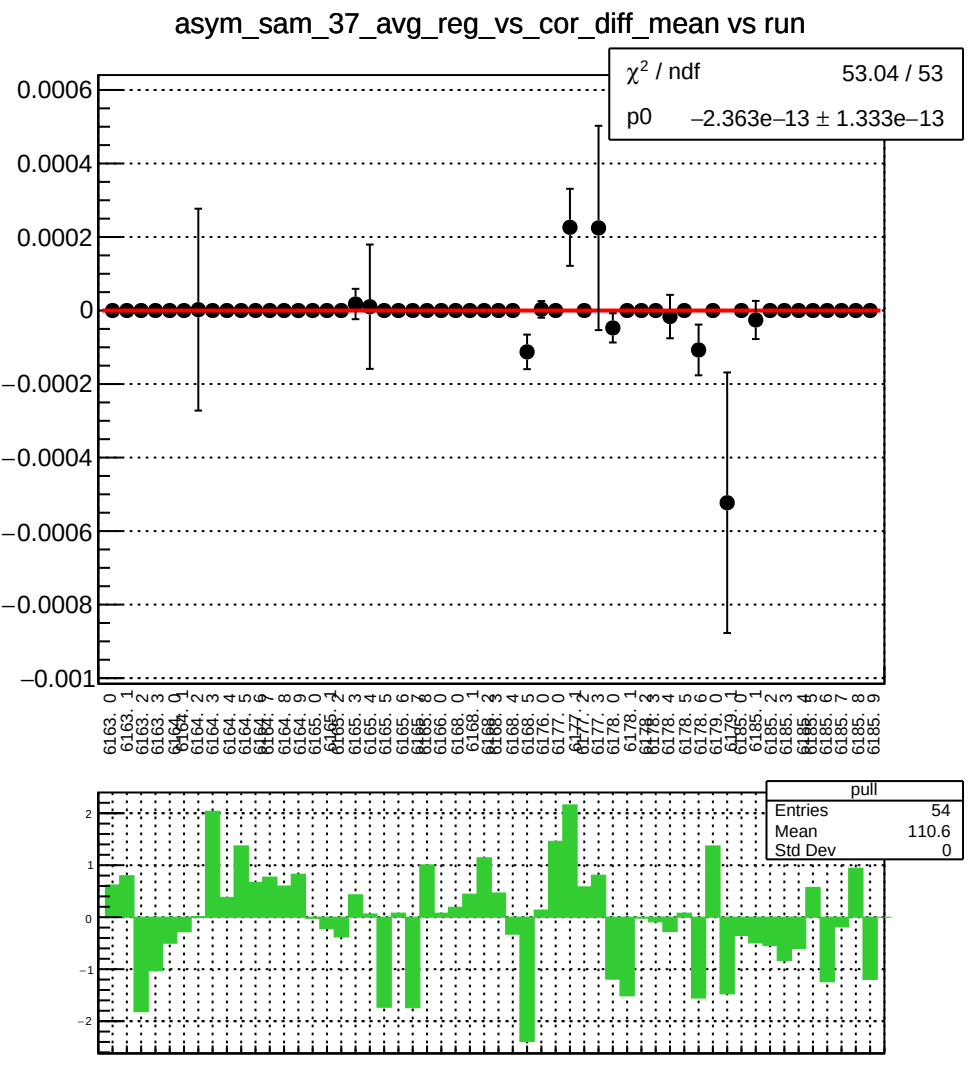
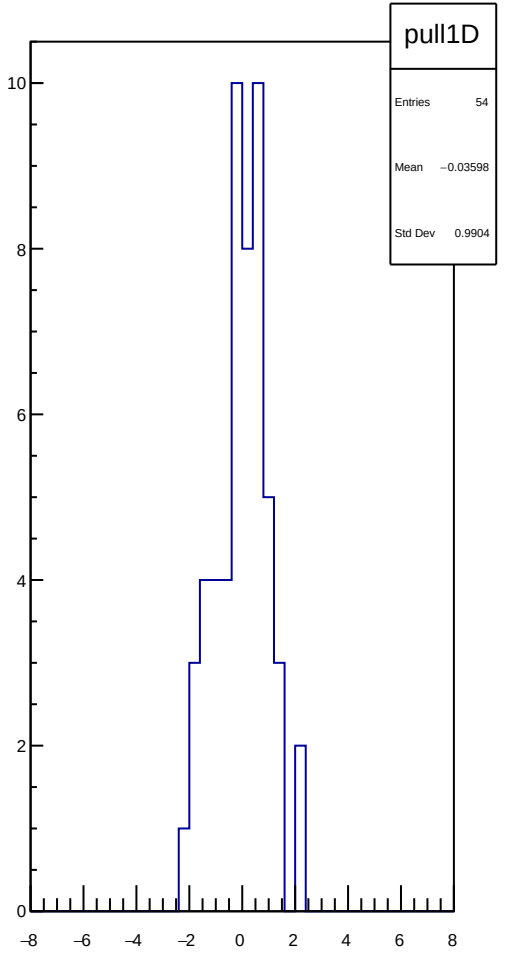
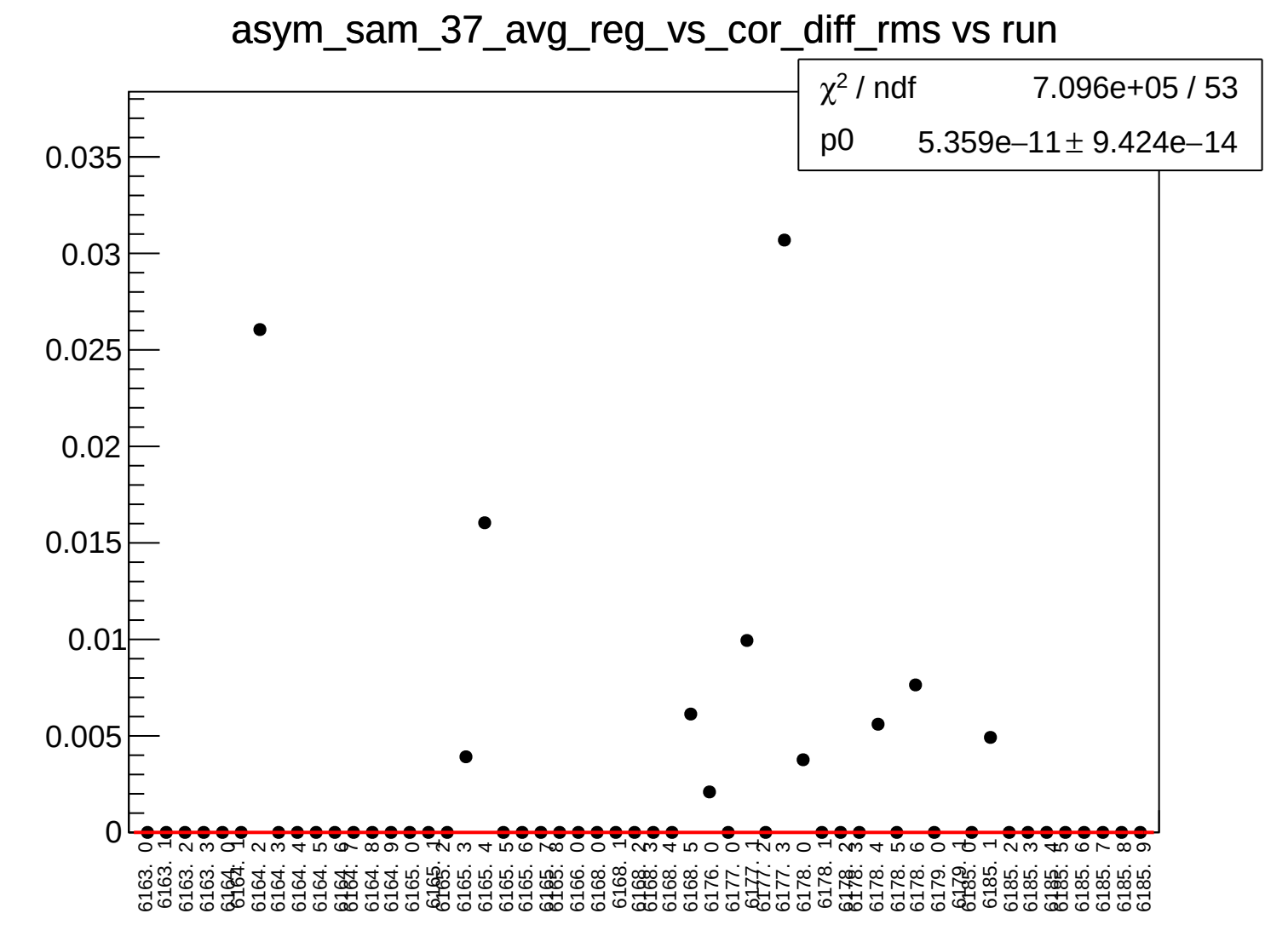
6185. 8
6185. 9


asym_sam_37_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 53.04 / 53
p0 −2.363e−13 ± 1.333e−13
pull
Entries 54
Mean 110.6
Std Dev 0


pull1D
Entries 54
Mean −0.03598
Std Dev 0.9904


asym_sam_37_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 7.096e+05 / 53
p0 5.359e−11 ± 9.424e−14
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
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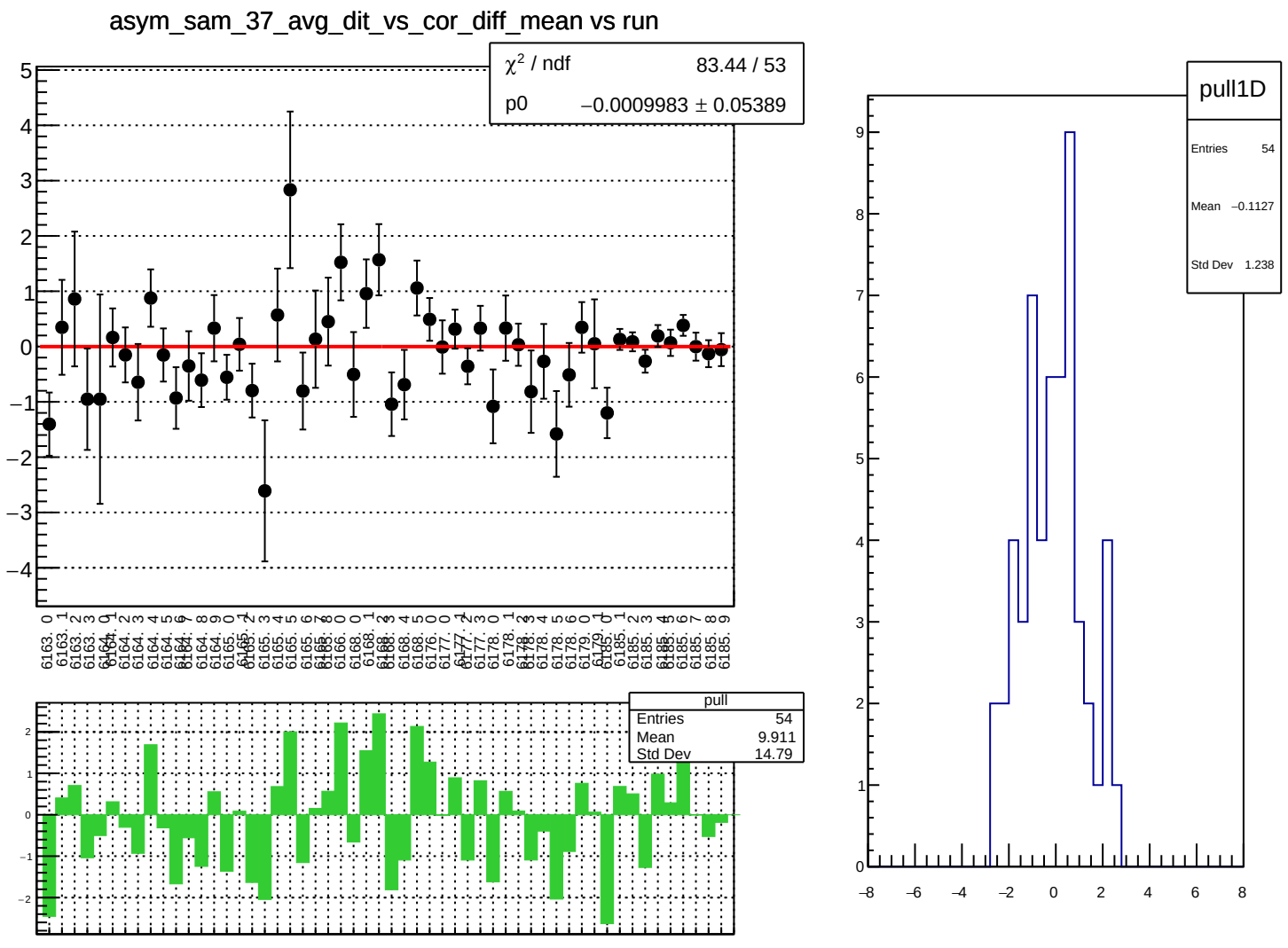
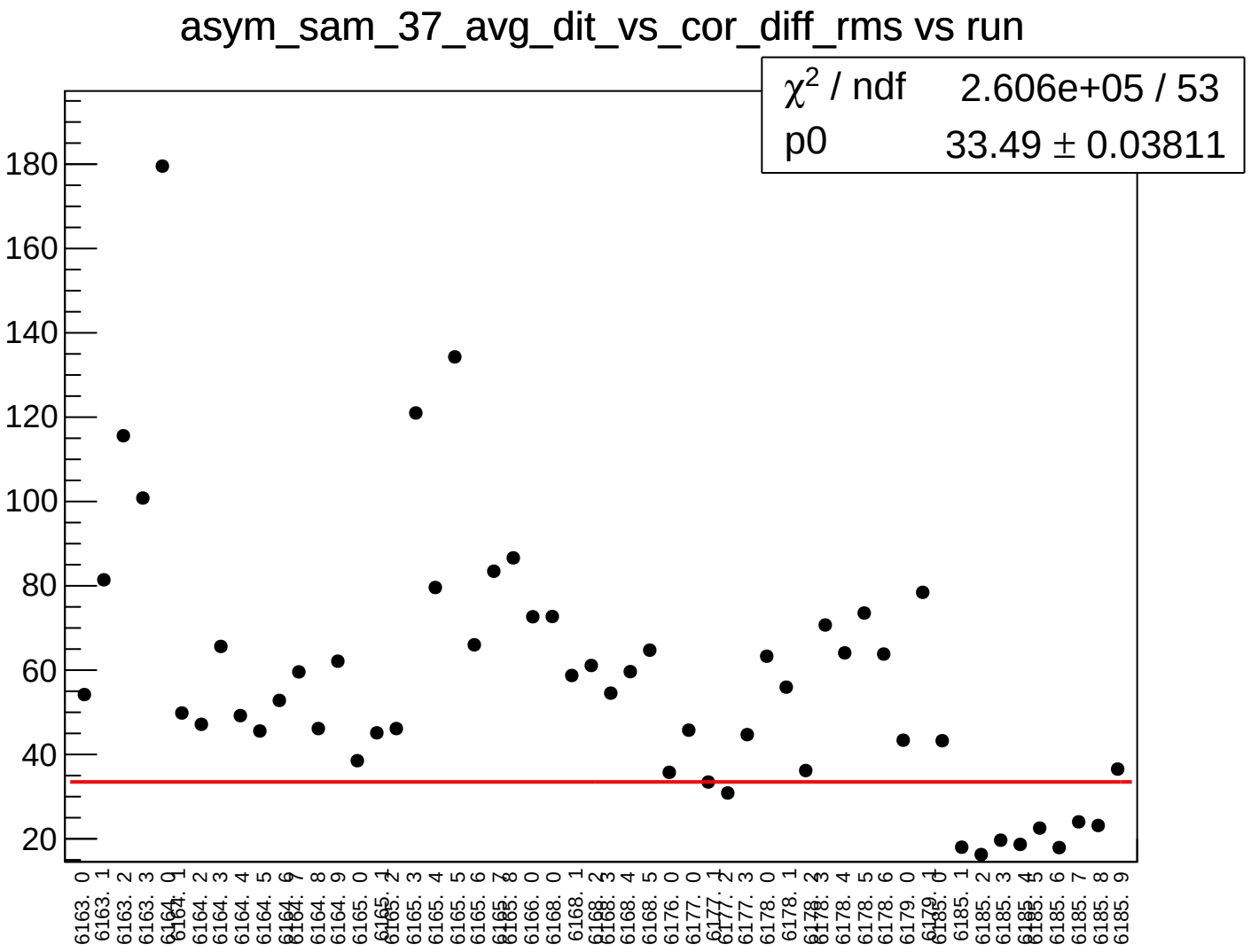
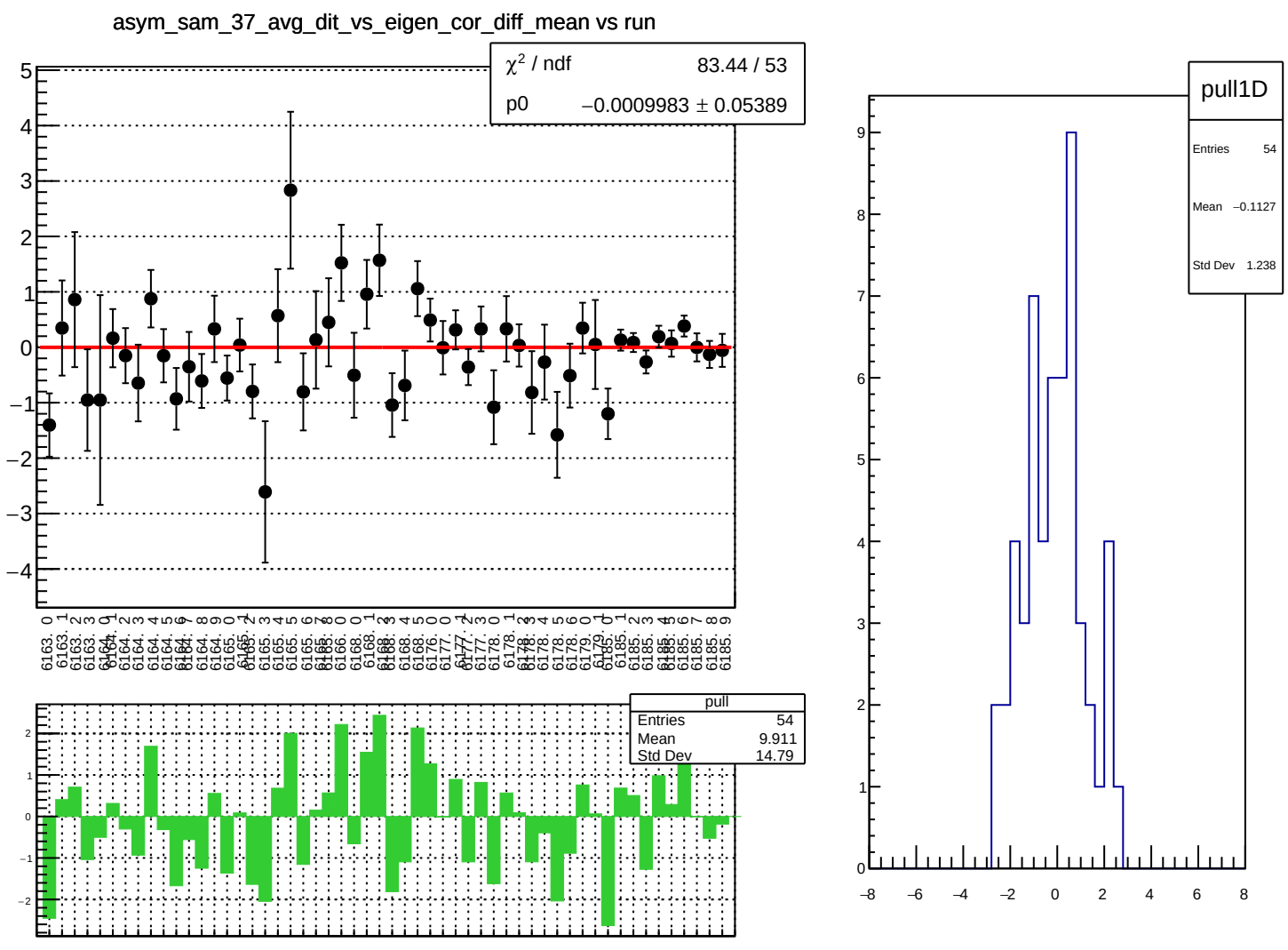
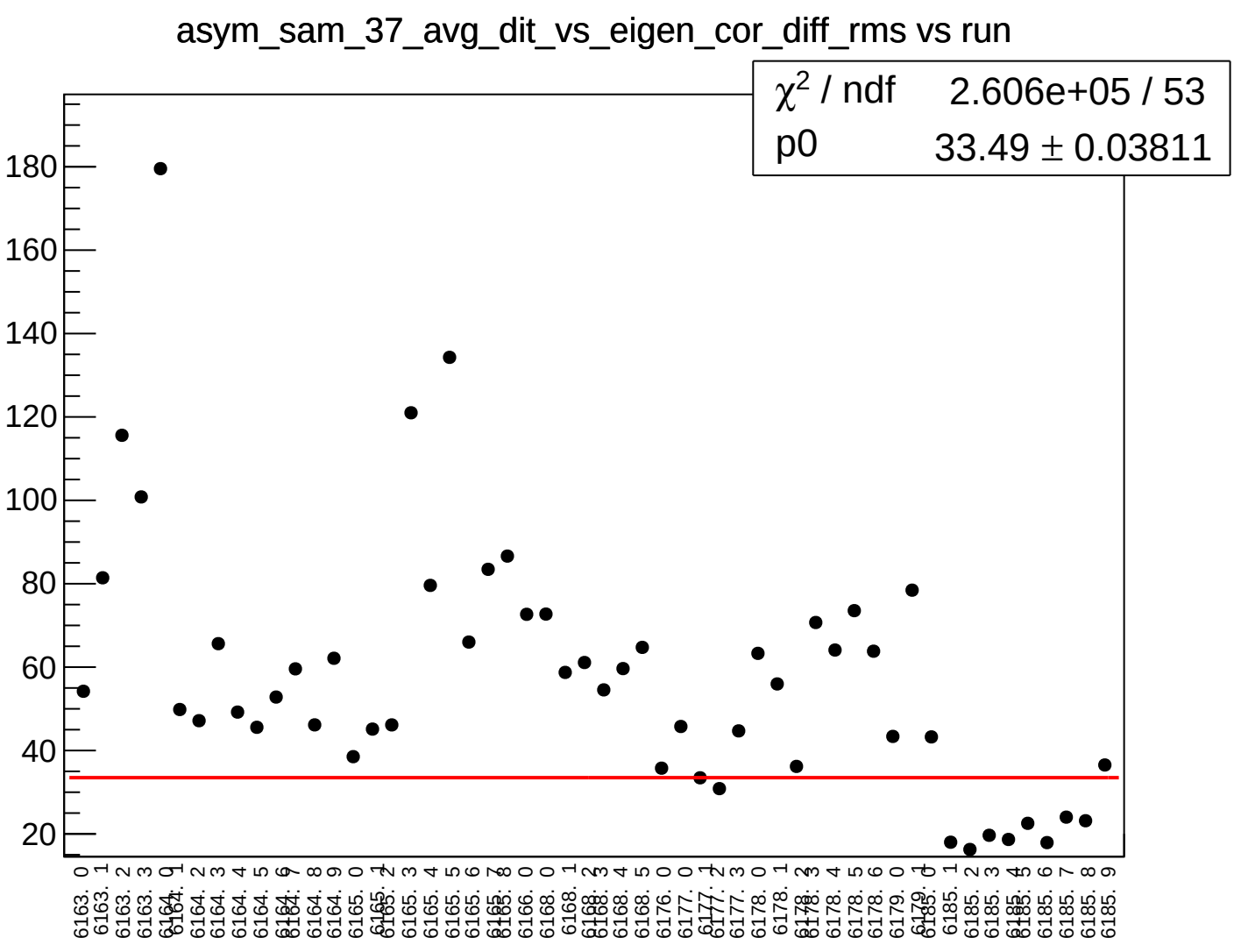
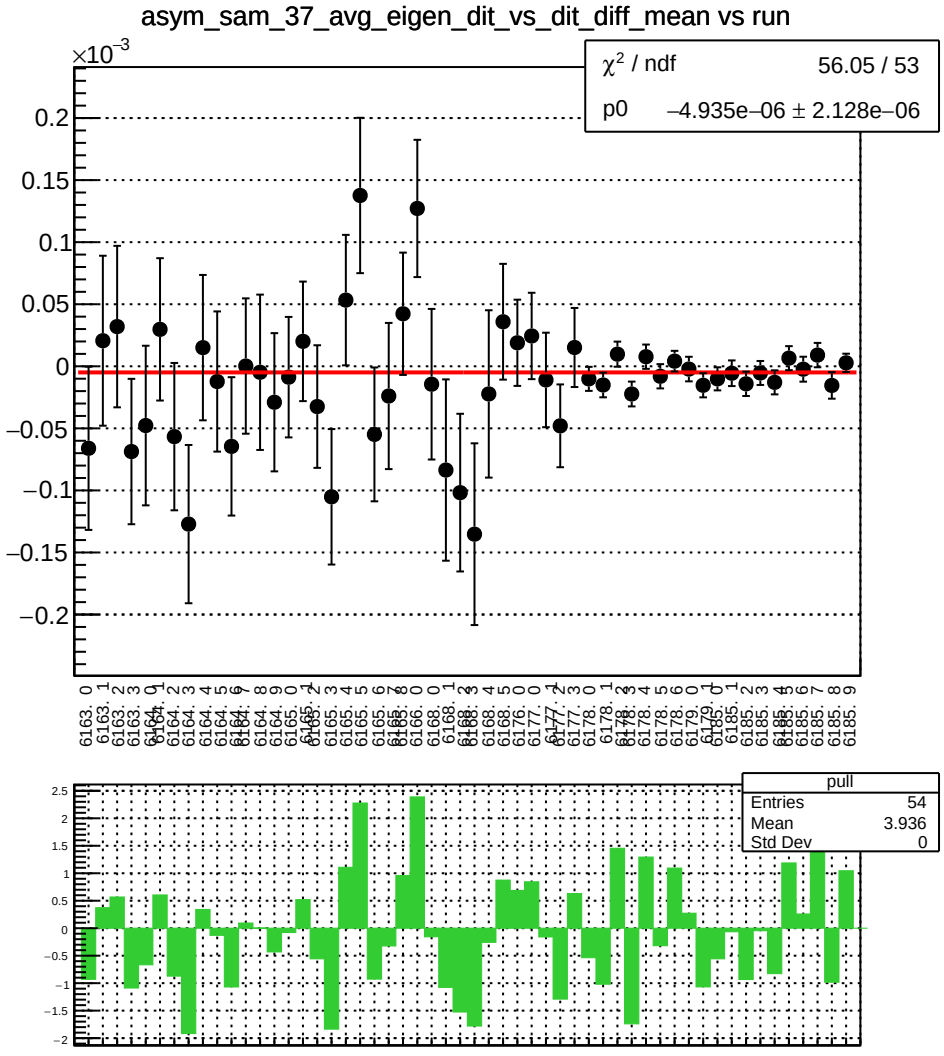
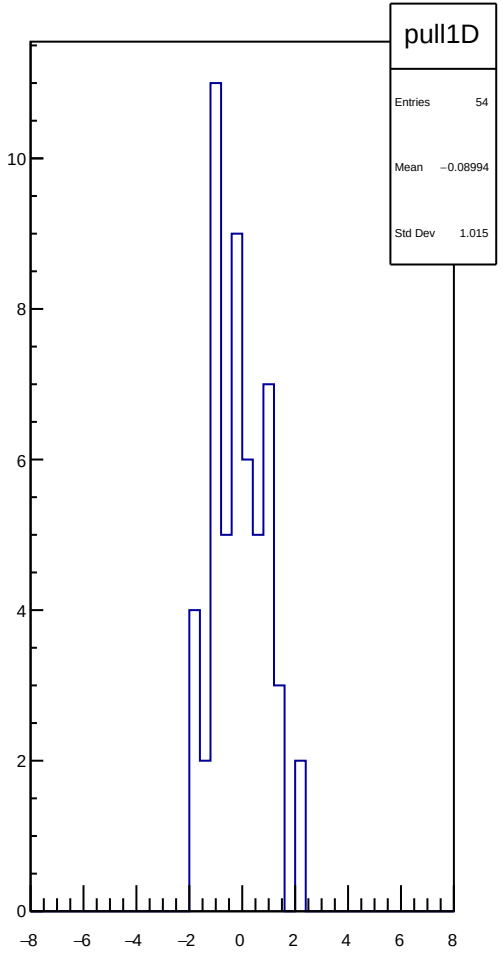

asym_sam_37_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 83.44 / 53
p0 −0.0009983 ± 0.05389
pull
Entries 54
Mean 9.911
Std Dev 14.79
pull1D
Entries 54
Mean −0.1127
Std Dev 1.238

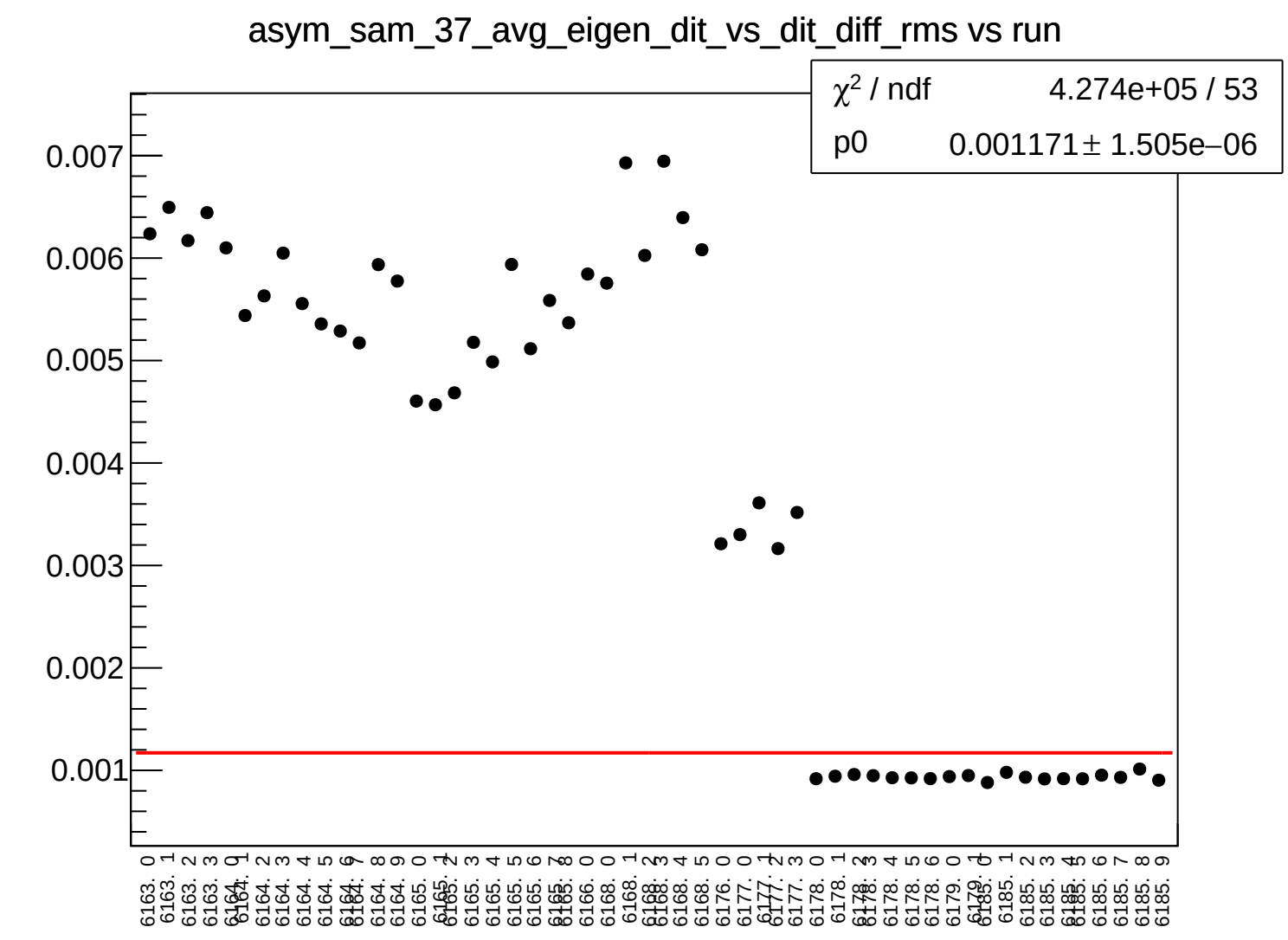

asym_sam_37_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 2.606e+05 / 53
p0 33.49 ± 0.03811
180
160
140
120
100
80
60
40
20
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

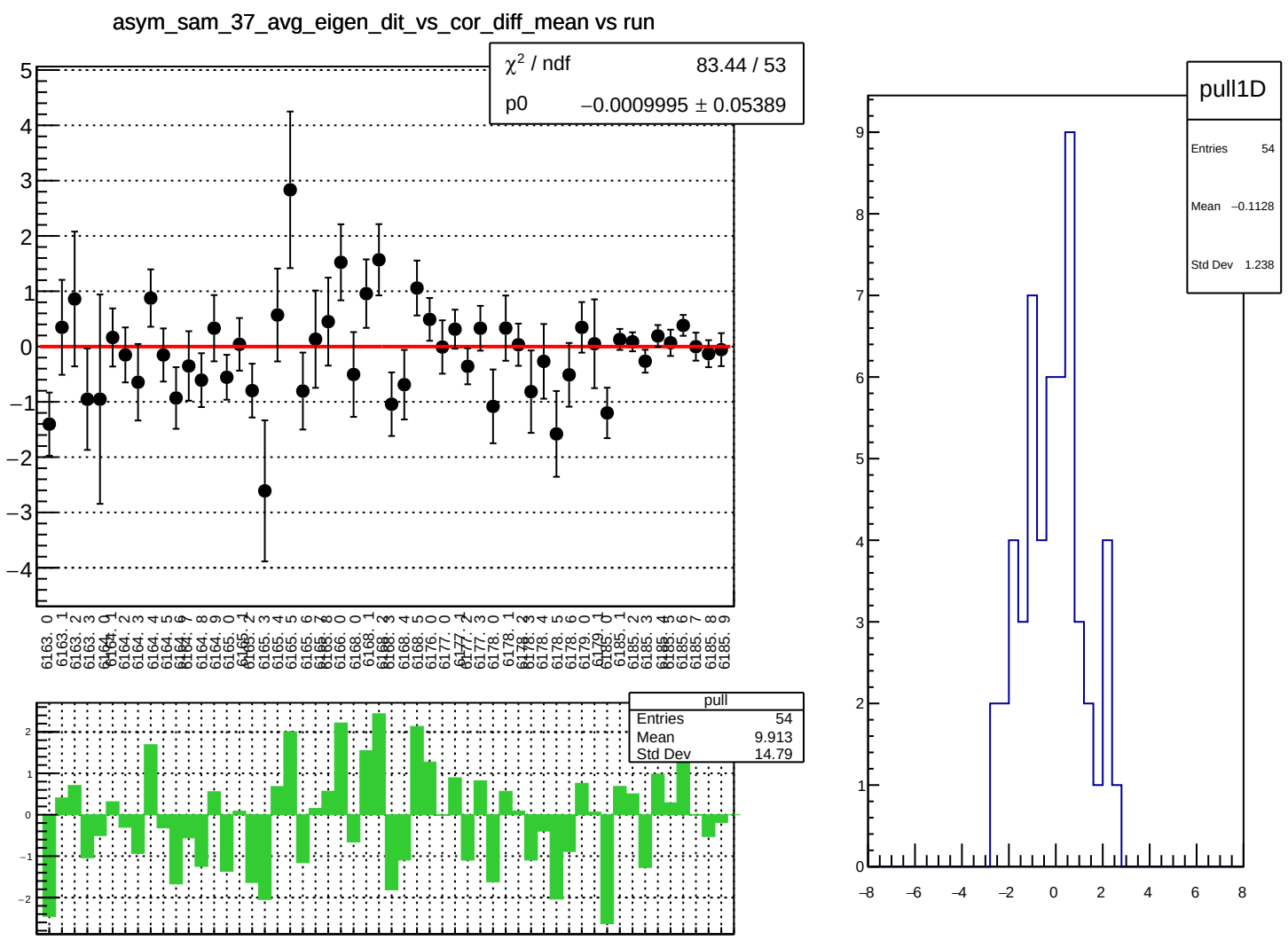

asym_sam_37_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 83.44 / 53
p0 −0.0009983 ± 0.05389
pull
Entries 54
Mean 9.911
Std Dev 14.79
pull1D
Entries 54
Mean −0.1127
Std Dev 1.238

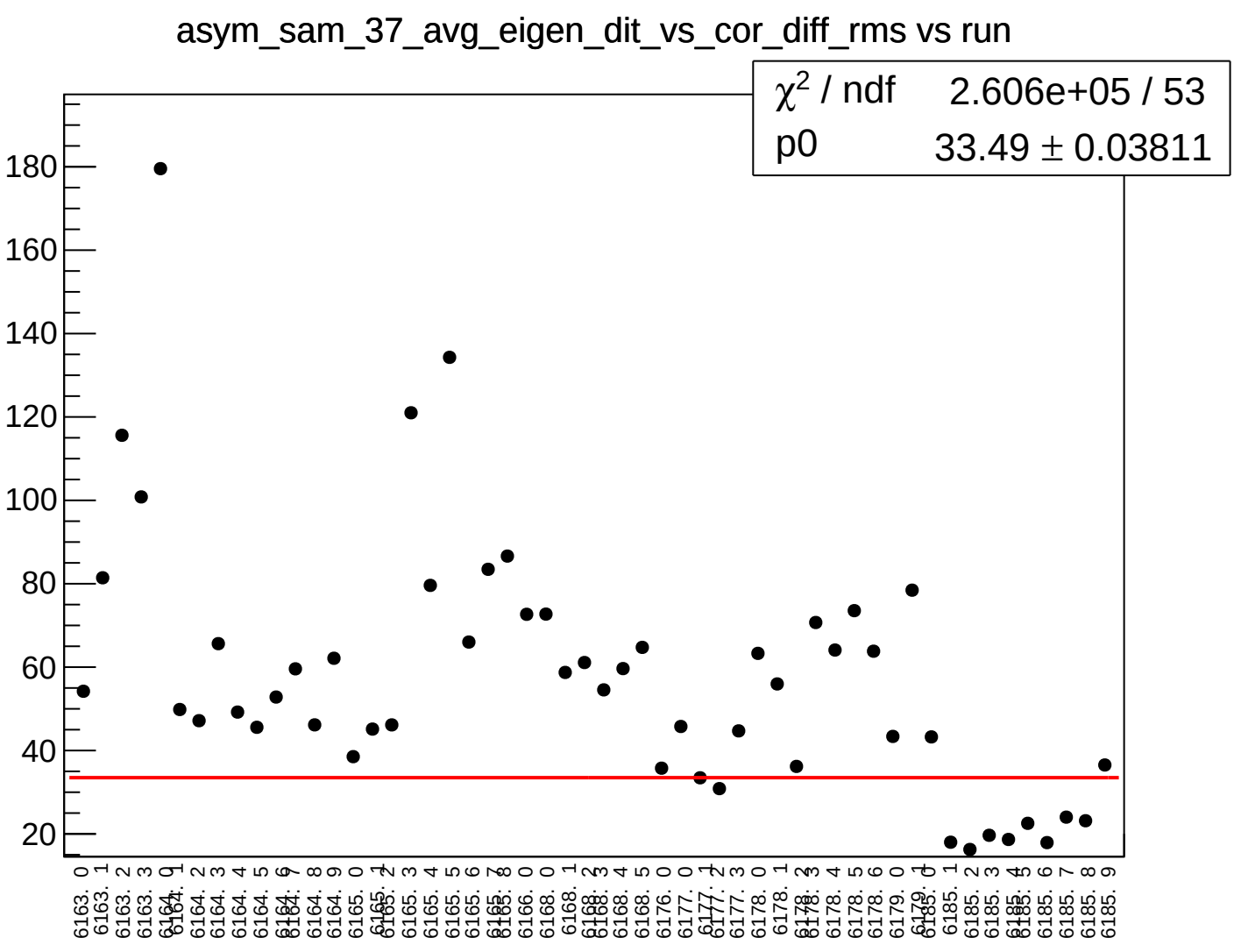

asym_sam_37_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.606e+05 / 53
p0 33.49 ± 0.03811
180
160
140
120
100
80
60
40
20
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

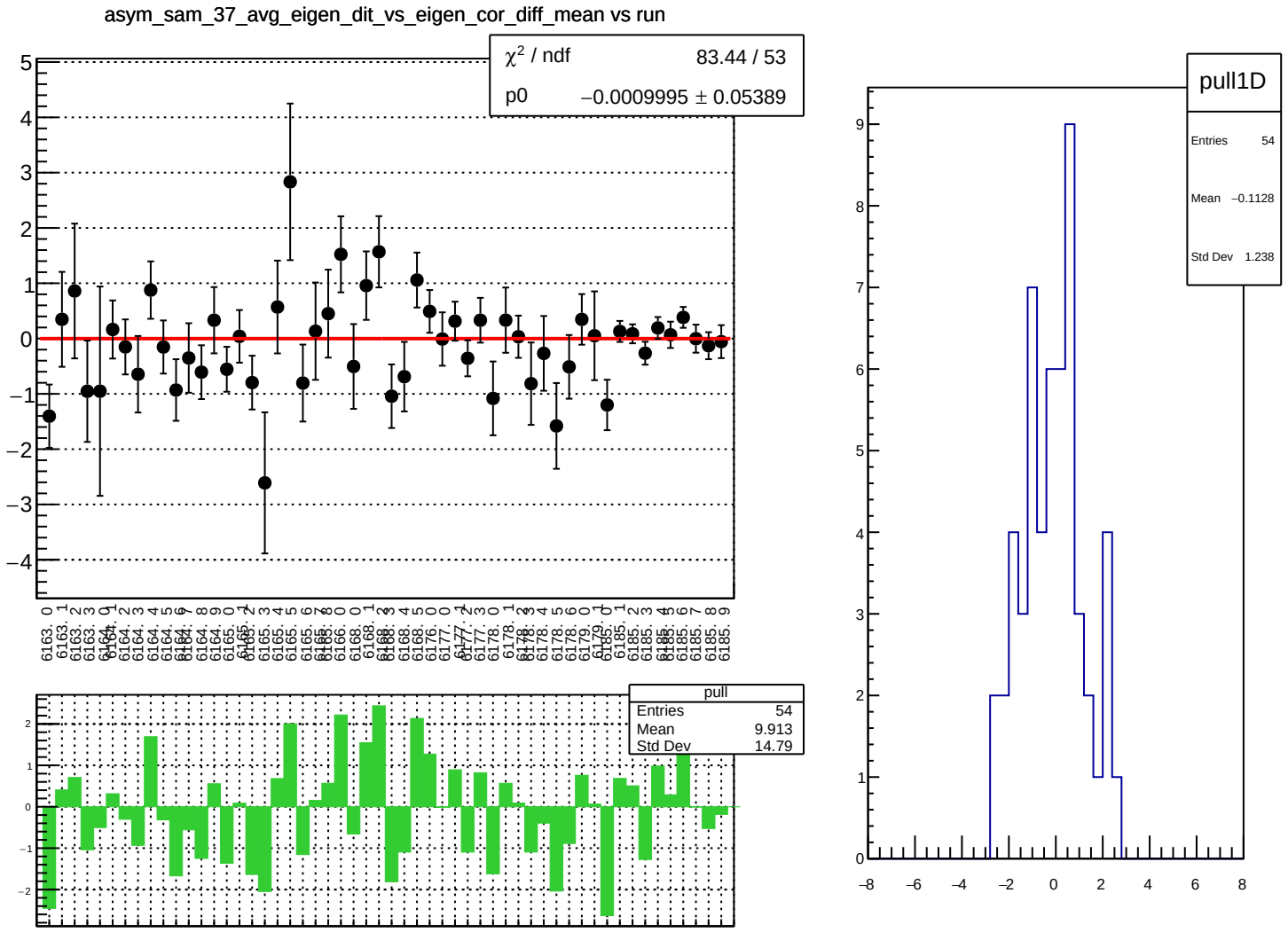

asym_sam_37_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 56.05 / 53
p0 −4.935e−06 ± 2.128e−06
pull
Entries 54
Mean 3.936
Std Dev 0

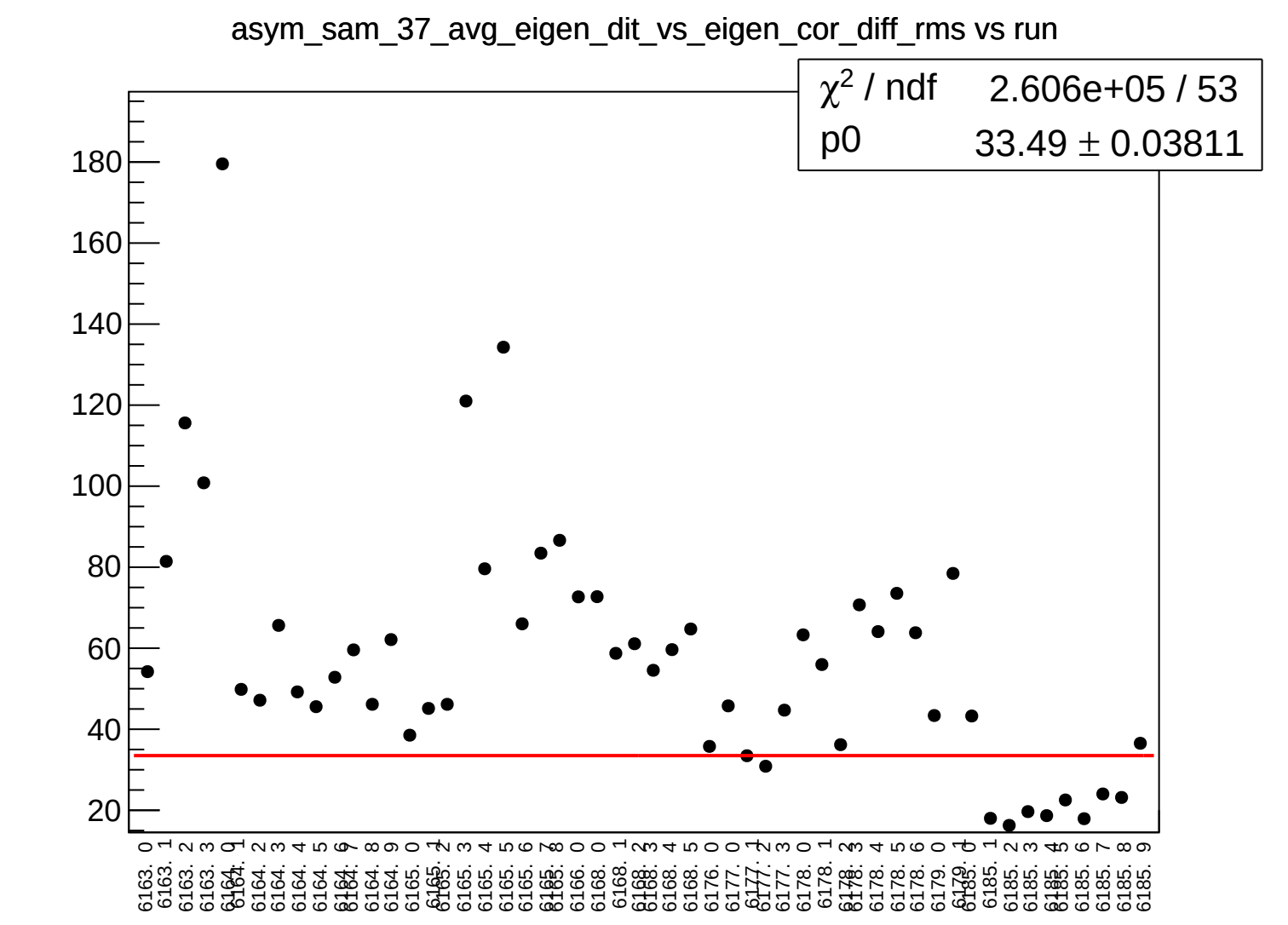

pull1D
Entries 54
Mean −0.08994
Std Dev 1.015

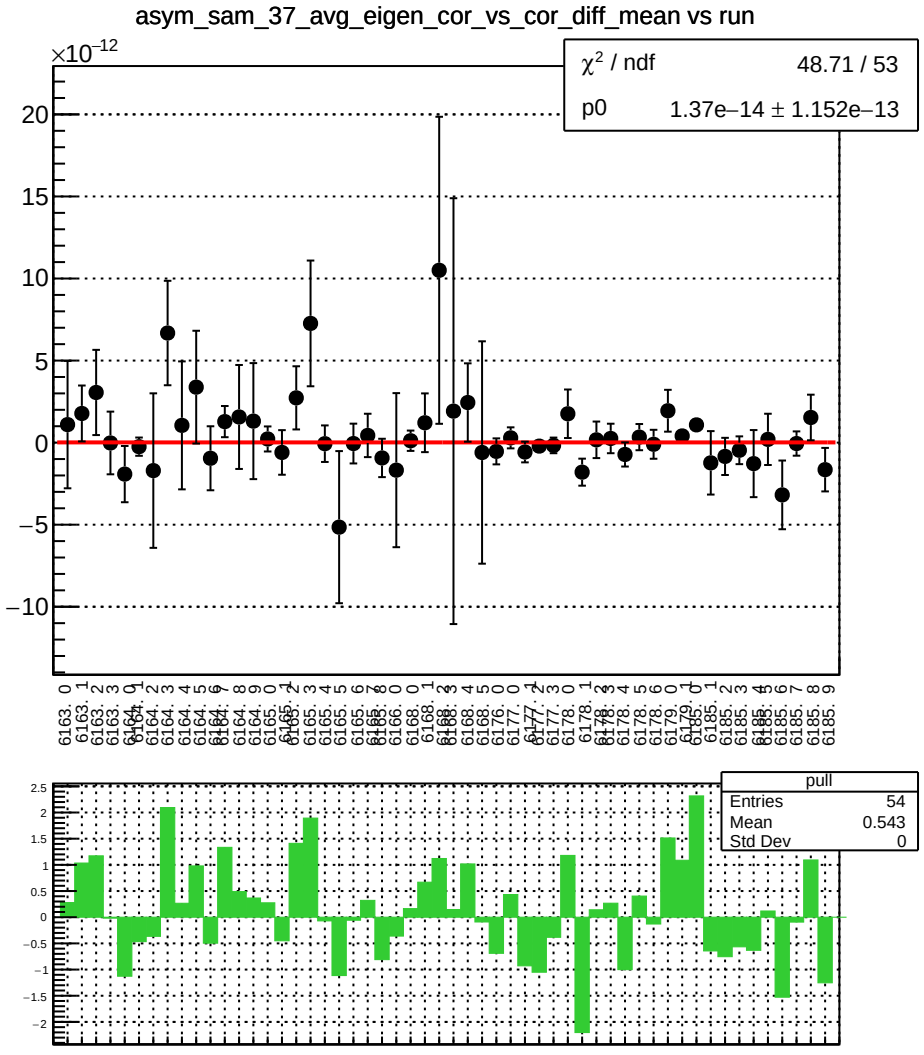

asym_sam_37_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4.274e+05 / 53
p0 0.001171 ± 1.505e−06
0.007
0.006
0.005
0.004
0.003
0.002
0.001
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

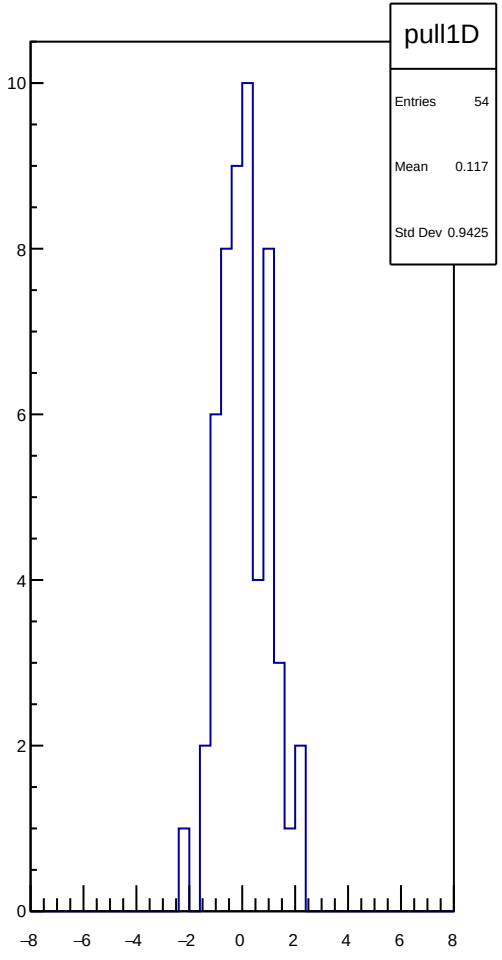

asym_sam_37_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 83.44 / 53
p0 −0.0009995 ± 0.05389
pull
Entries 54
Mean 9.913
Std Dev 14.79
pull1D
Entries 54
Mean −0.1128
Std Dev 1.238

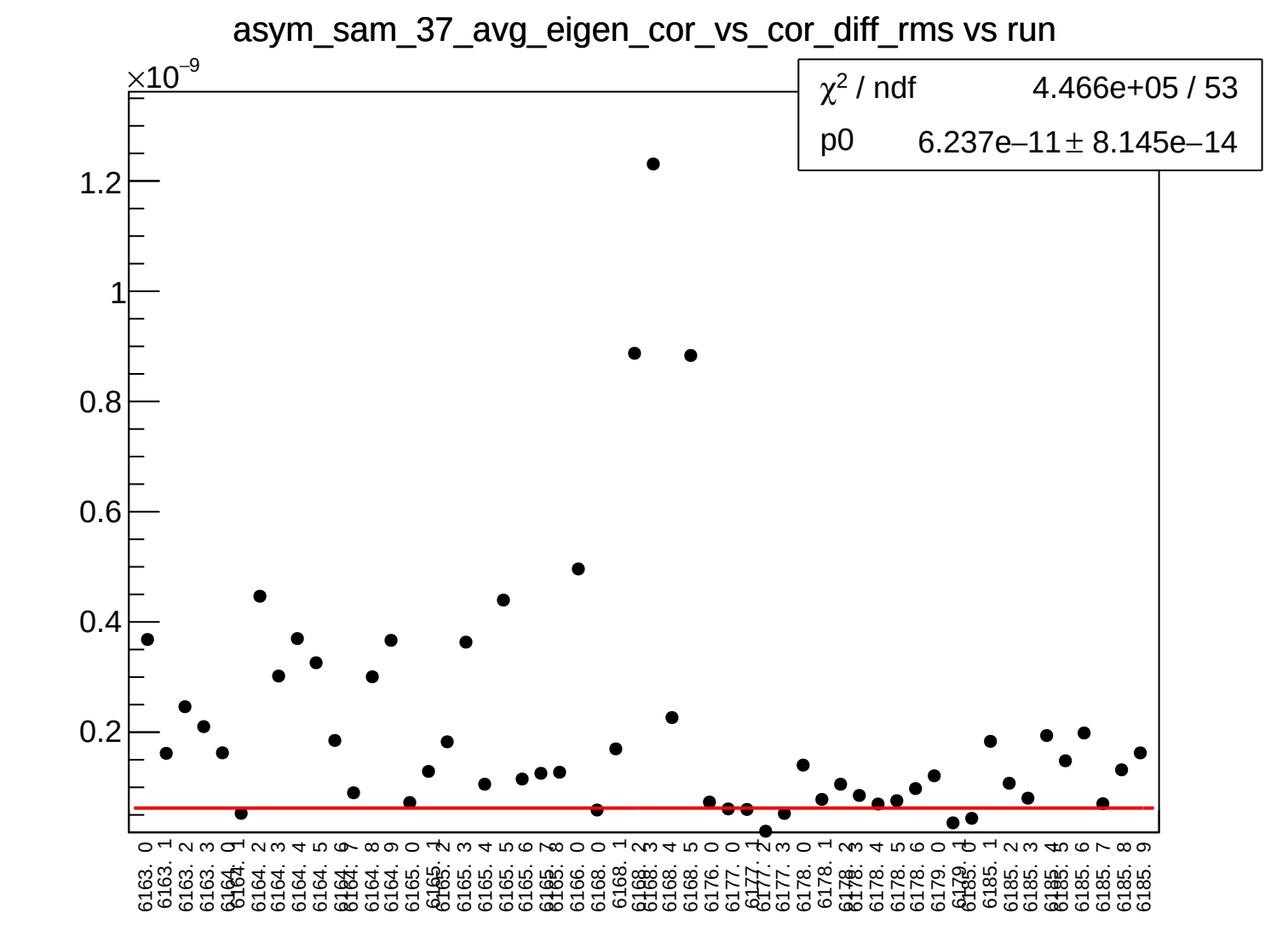

asym_sam_37_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.606e+05 / 53
p0 33.49 ± 0.03811
180
160
140
120
100
80
60
40
20
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

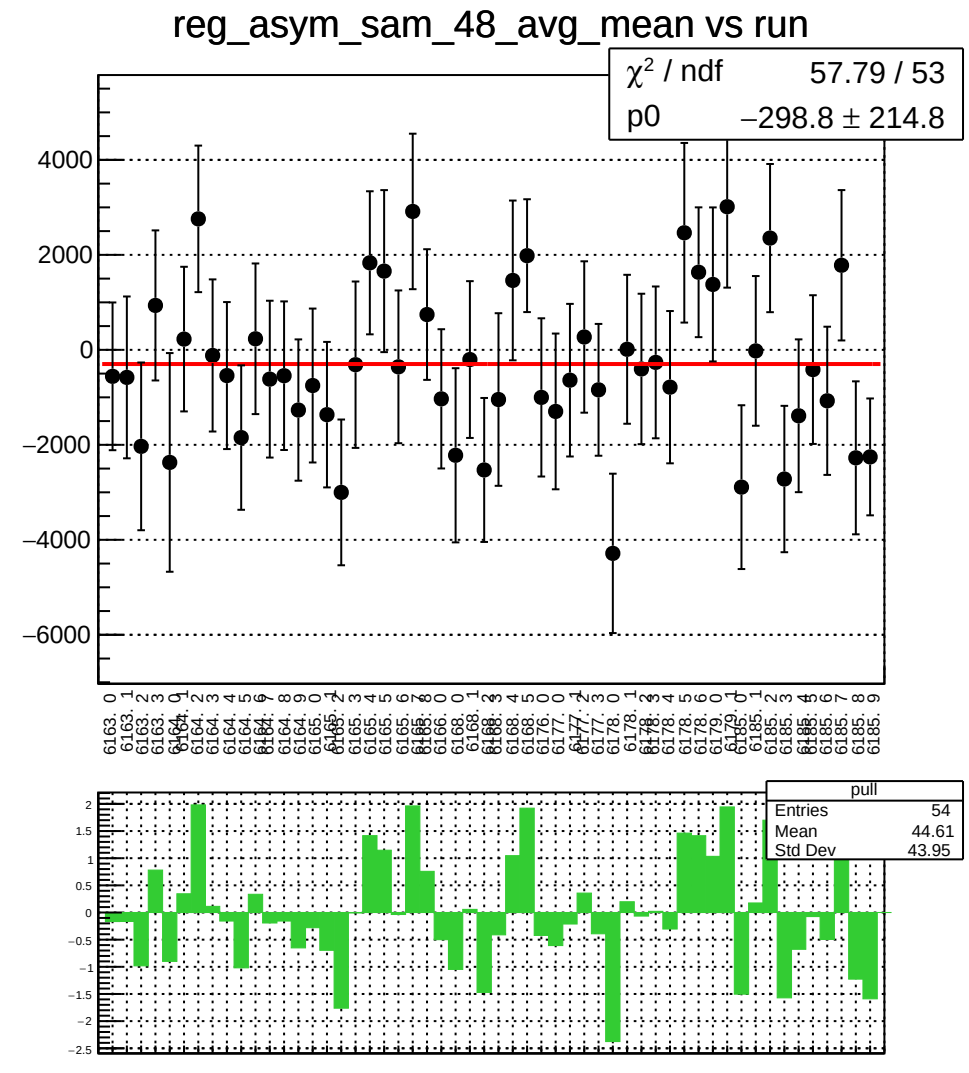

asym_sam_37_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 83.44 / 53
p0 −0.0009995 ± 0.05389
pull
Entries 54
Mean 9.913
Std Dev 14.79
pull1D
Entries 54
Mean −0.1128
Std Dev 1.238

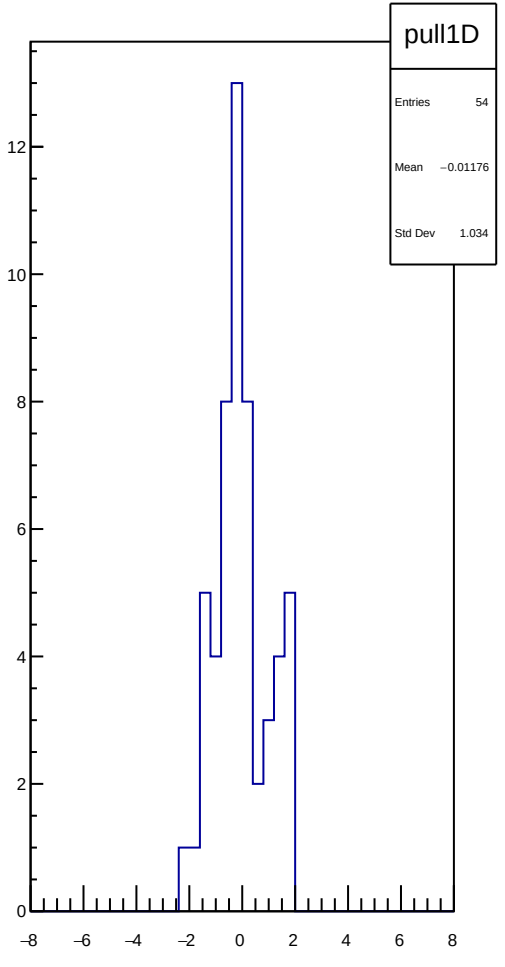

asym_sam_37_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 2.606e+05 / 53
p0 33.49 ± 0.03811
180
160
140
120
100
80
60
40
20
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

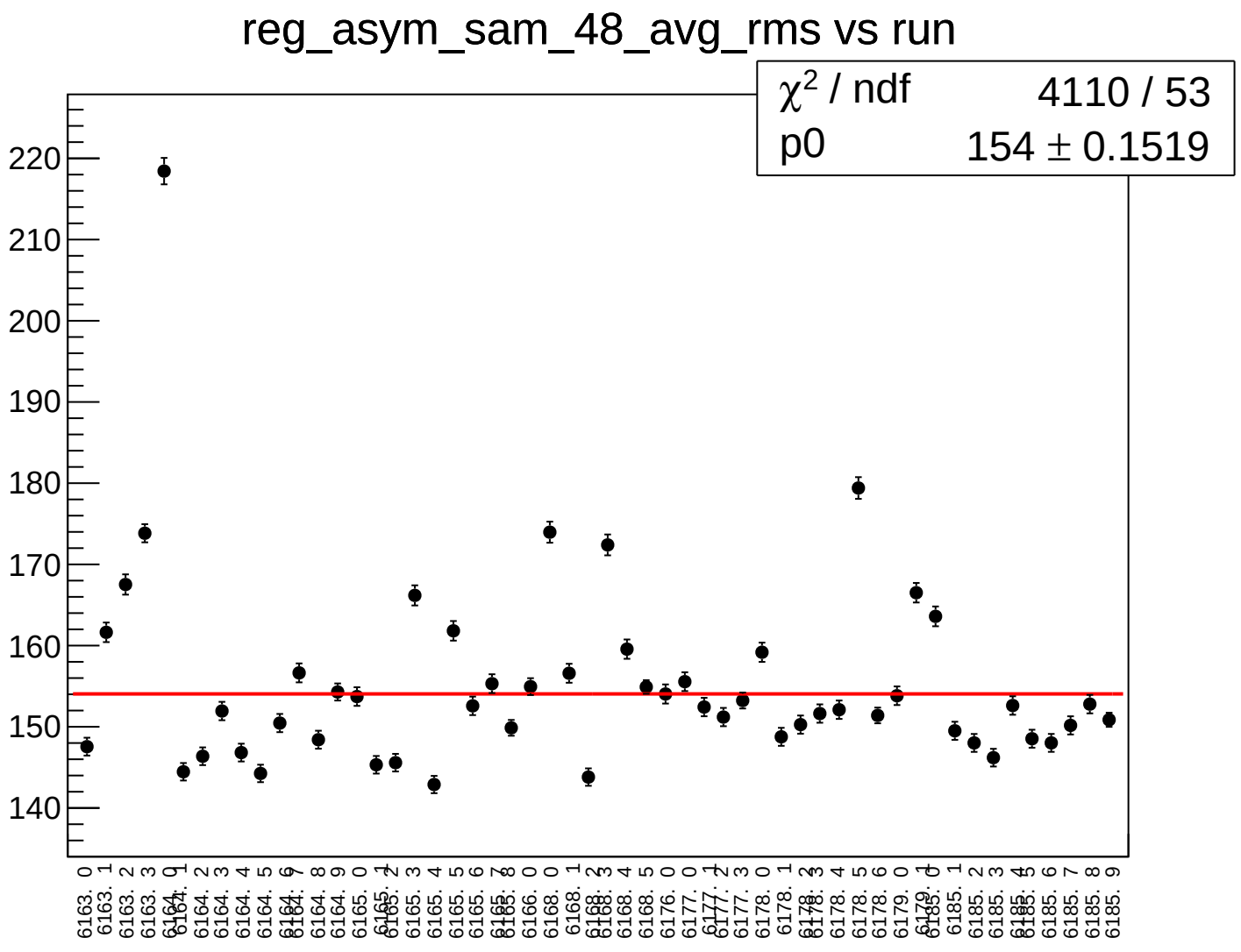

asym_sam_37_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 48.71 / 53
p0 1.37e−14 ± 1.152e−13
pull
Entries 54
Mean 0.543
Std Dev 0

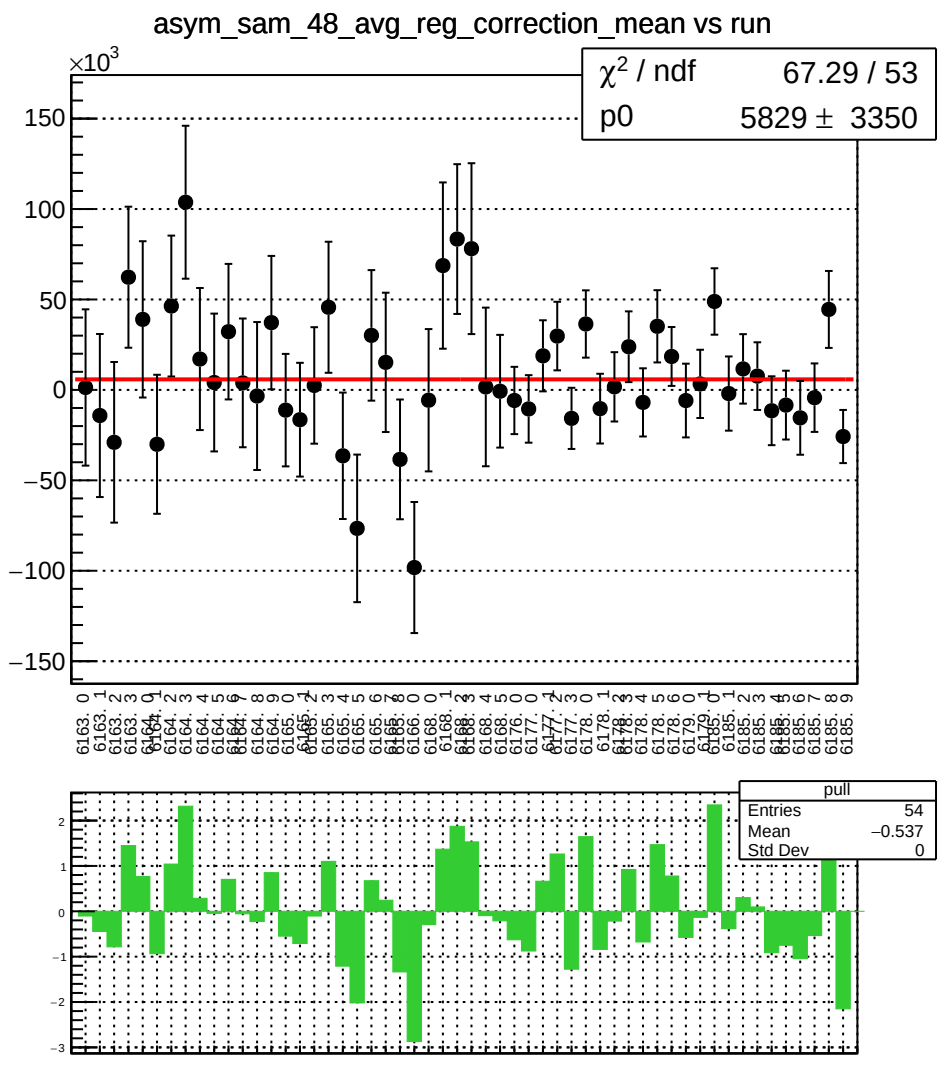

pull1D
Entries 54
Mean 0.117
Std Dev 0.9425

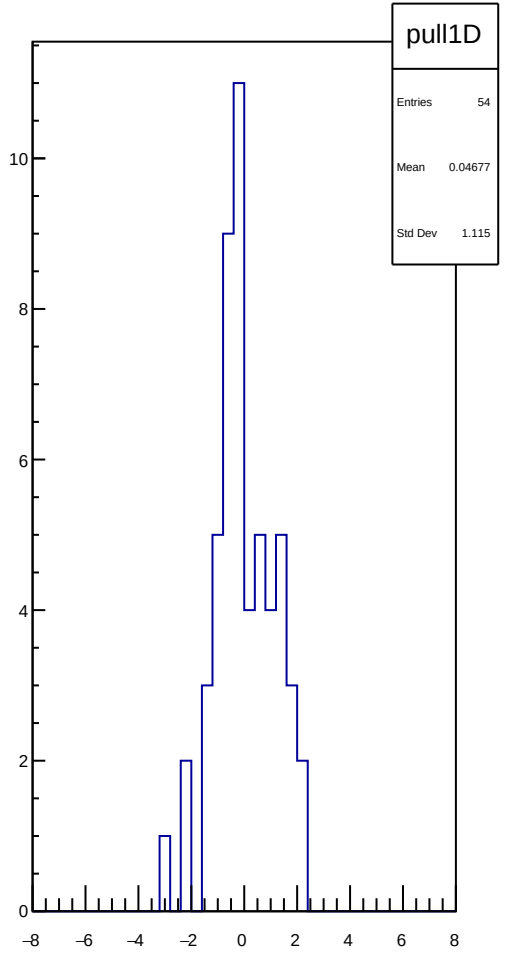

asym_sam_37_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.466e+05 / 53
p0 6.237e−11 ± 8.145e−14
1.2
1
0.8
0.6
0.4
0.2
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

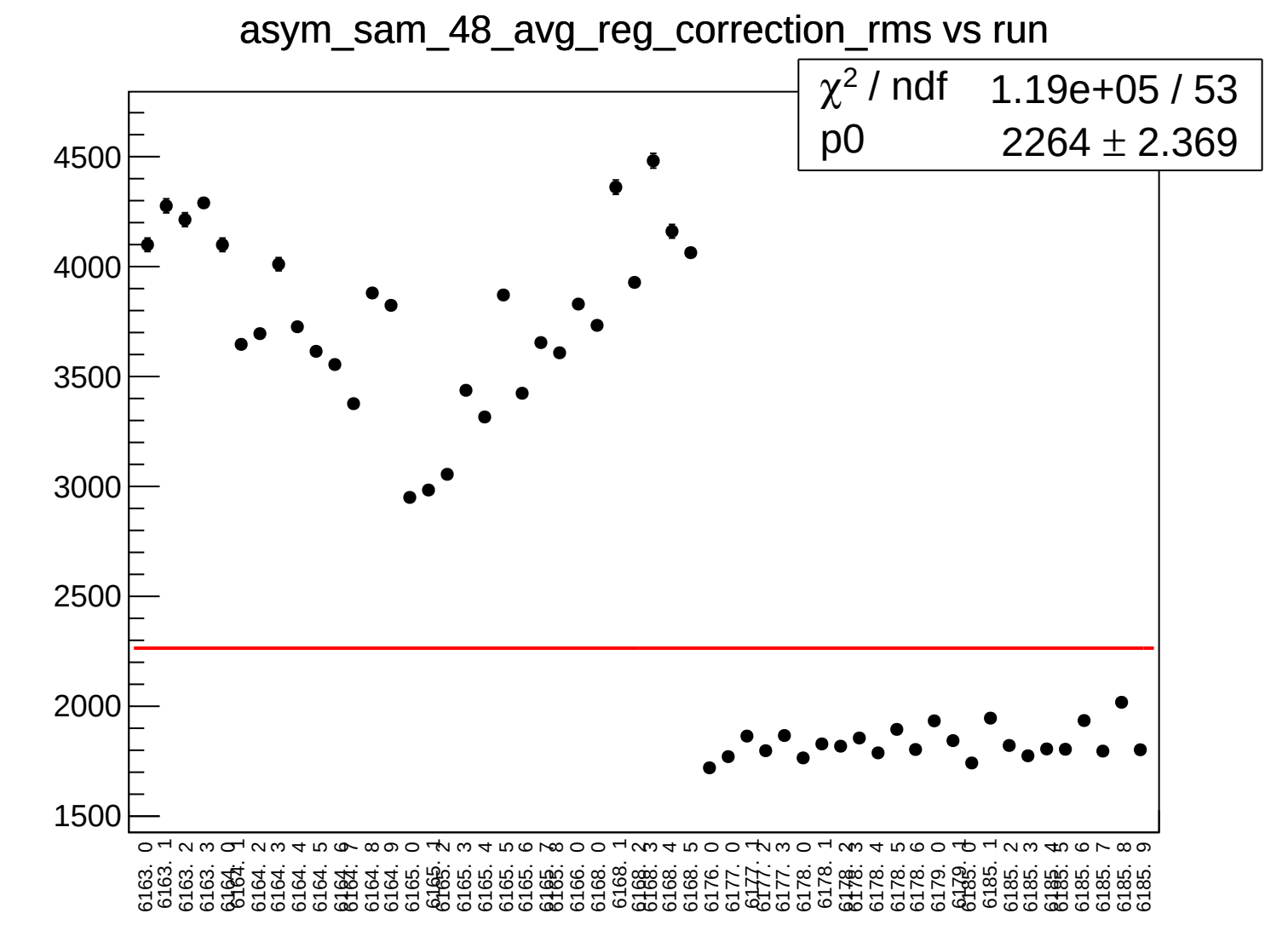

reg_asym_sam_48_avg_mean vs run
χ² / ndf 57.79 / 53
p0 −298.8 ± 214.8
pull
Entries 54
Mean 44.61
Std Dev 43.95

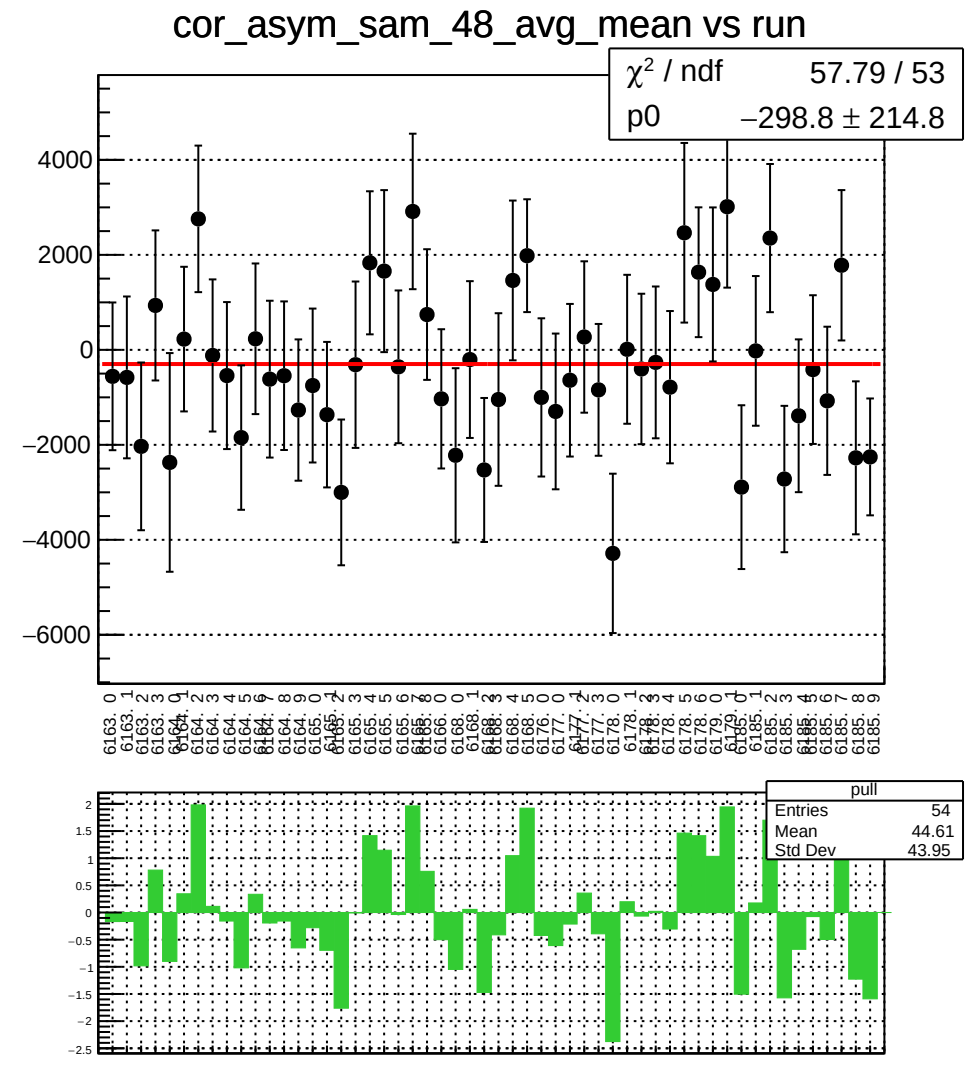

pull1D
Entries 54
Mean −0.01176
Std Dev 1.034

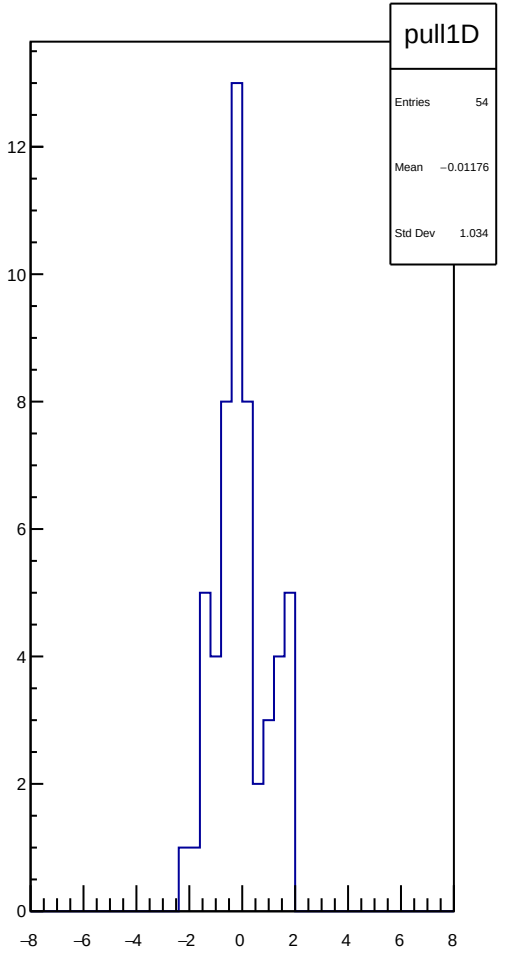

reg_asym_sam_48_avg_rms vs run
χ² / ndf 4110 / 53
p0 154 ± 0.1519
220
210
200
190
180
170
160
150
140
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

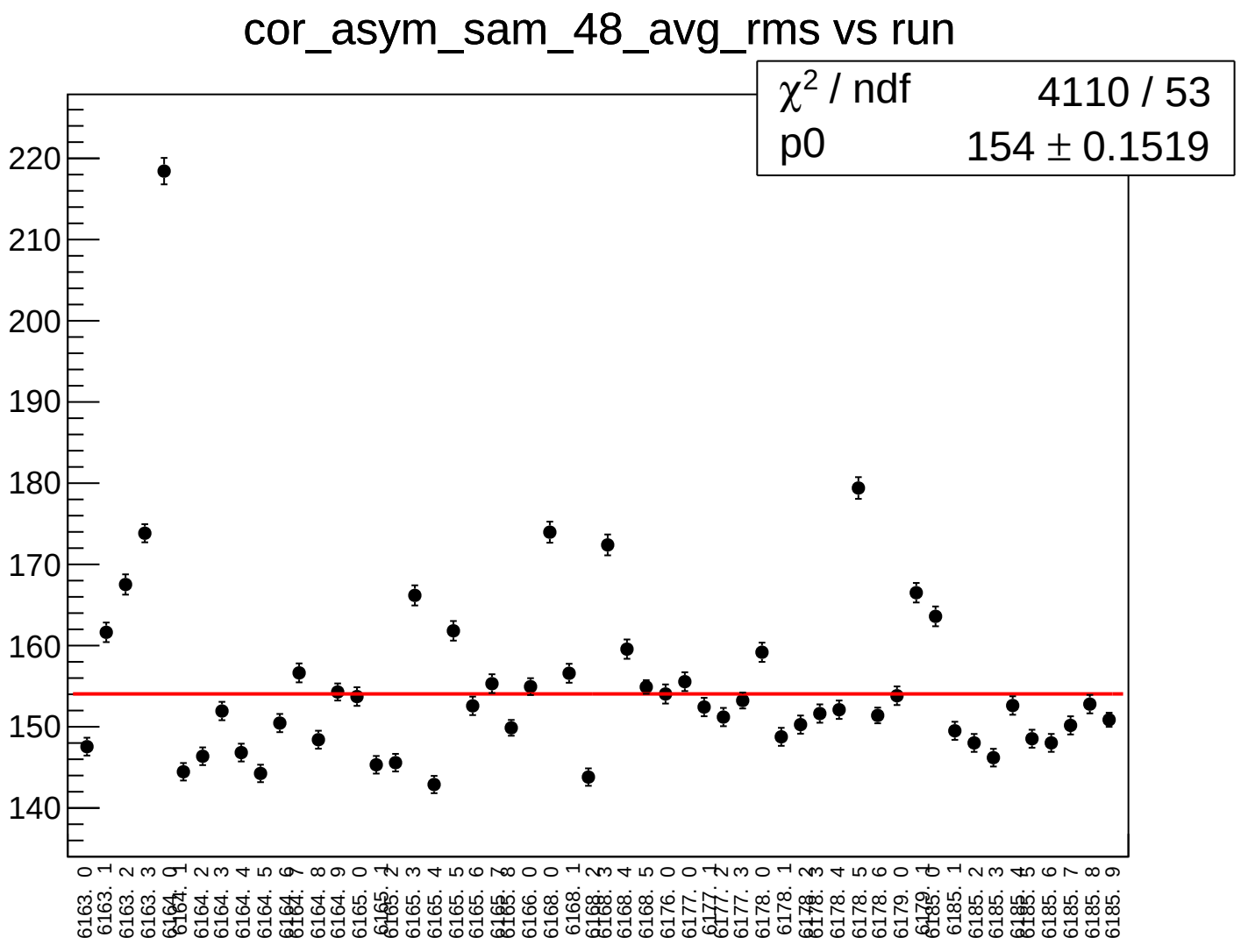

asym_sam_48_avg_reg_correction_mean vs run
×10^3
χ^2 / ndf 67.29 / 53
p0 5829 ± 3350
150
100
50
0
−50
−100
−150
pull
Entries 54
Mean −0.537
Std Dev 0
2
1
0
−1
−2
−3

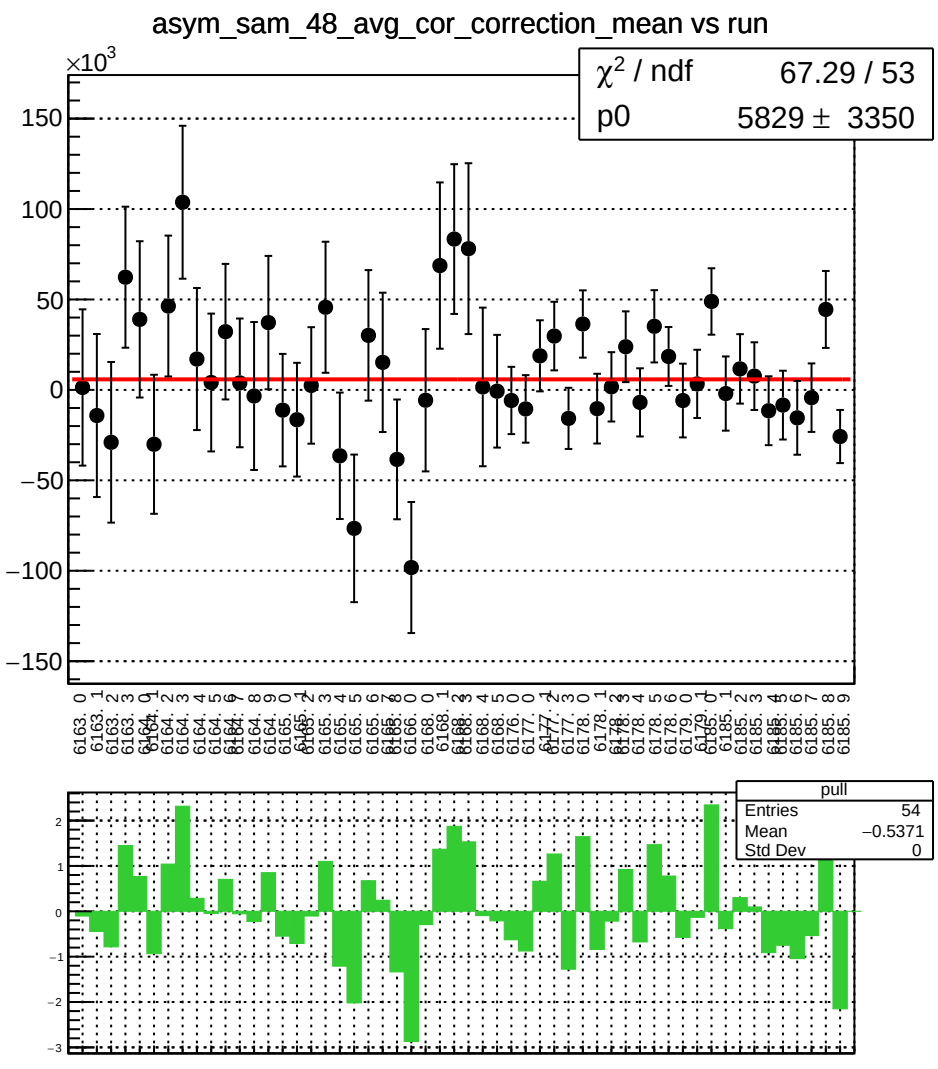

pull1D
Entries 54
Mean 0.04677
Std Dev 1.115
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

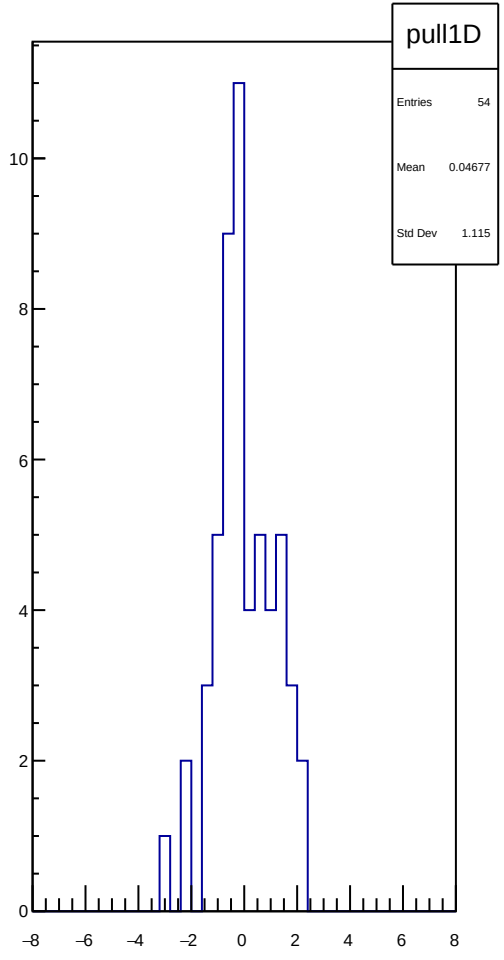

asym_sam_48_avg_reg_correction_rms vs run
χ² / ndf 1.19e+05 / 53
p0 2264 ± 2.369
4500
4000
3500
3000
2500
2000
1500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

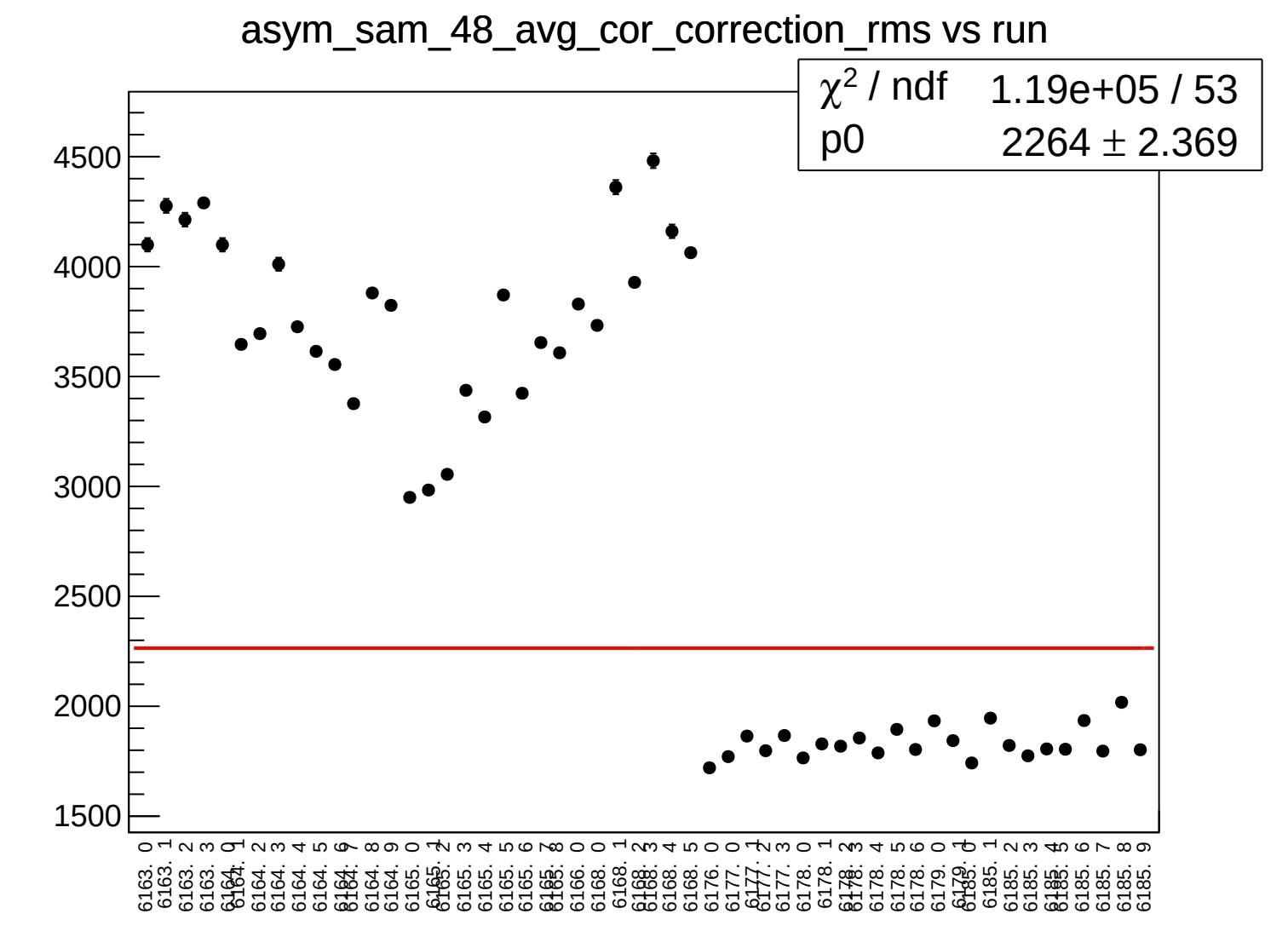

cor_asym_sam_48_avg_mean vs run
χ² / ndf 57.79 / 53
p0 −298.8 ± 214.8
4000
2000
0
−2000
−4000
−6000
pull
Entries 54
Mean 44.61
Std Dev 43.95
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

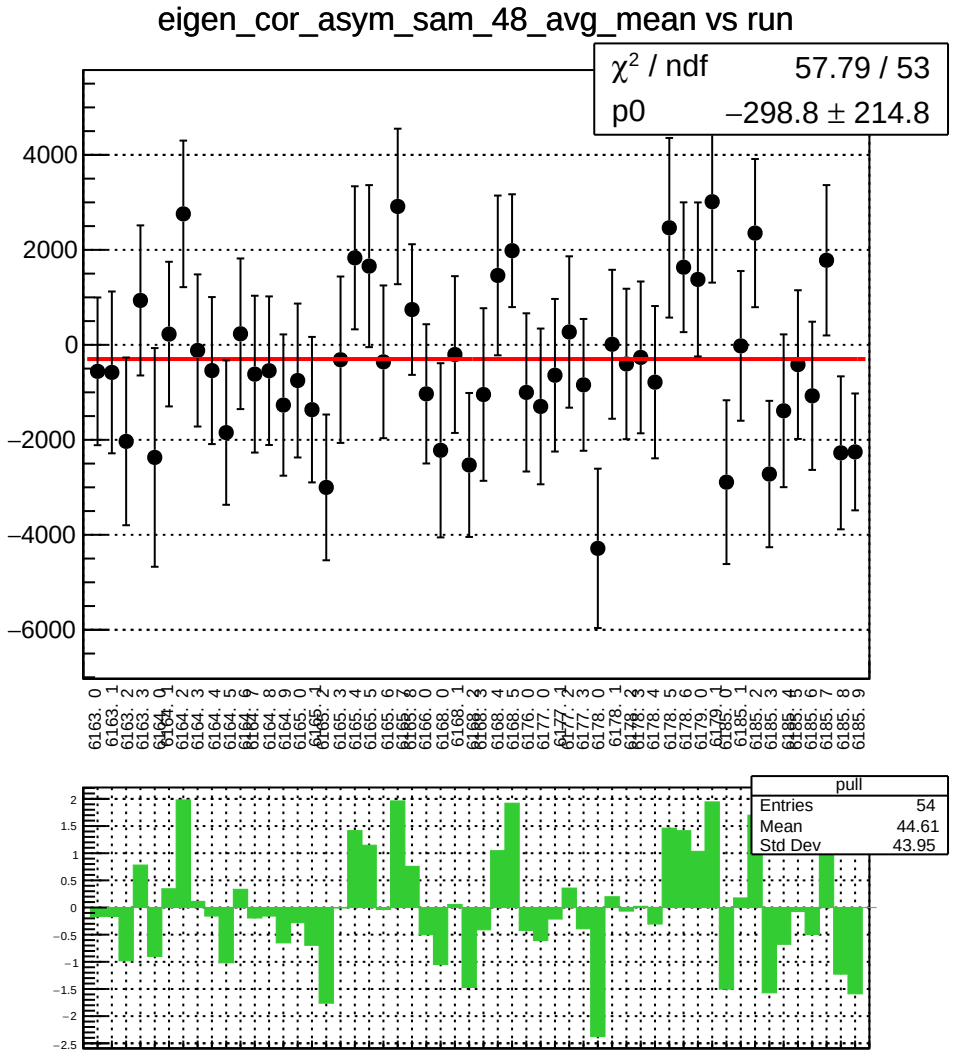

pull1D
Entries 54
Mean −0.01176
Std Dev 1.034
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

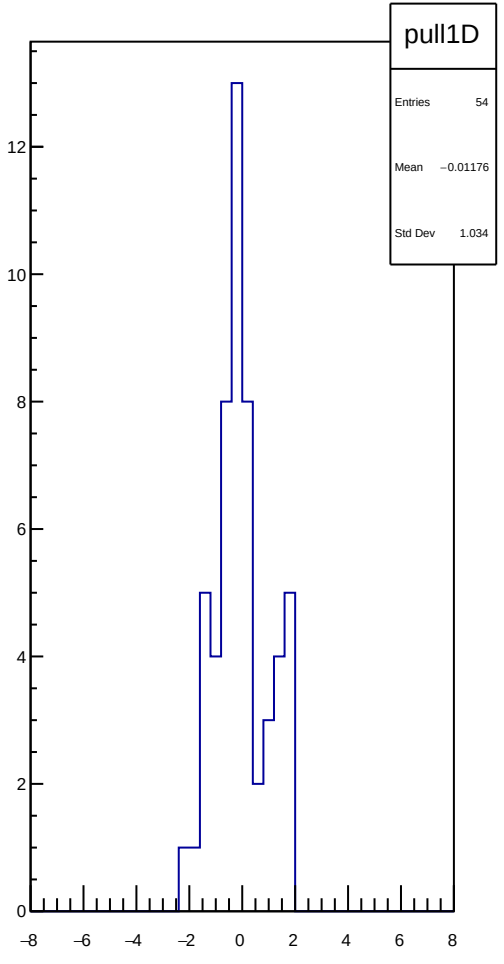

cor_asym_sam_48_avg_rms vs run
χ² / ndf 4110 / 53
p0 154 ± 0.1519
220
210
200
190
180
170
160
150
140
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

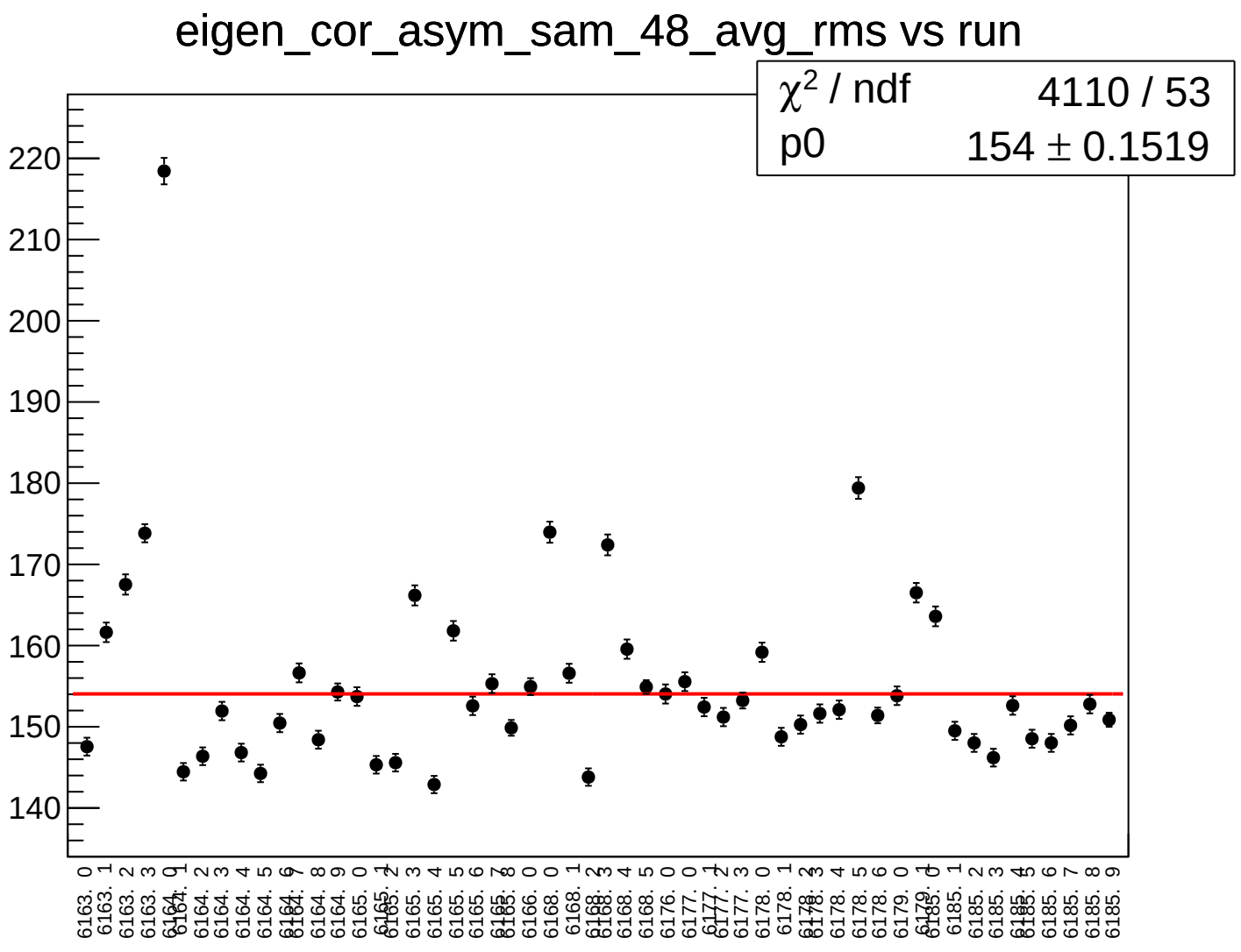

asym_sam_48_avg_cor_correction_mean vs run
×10^3
χ² / ndf 67.29 / 53
p0 5829 ± 3350
150
100
50
0
−50
−100
−150
pull
Entries 54
Mean −0.5371
Std Dev 0
2
1
0
−1
−2
−3

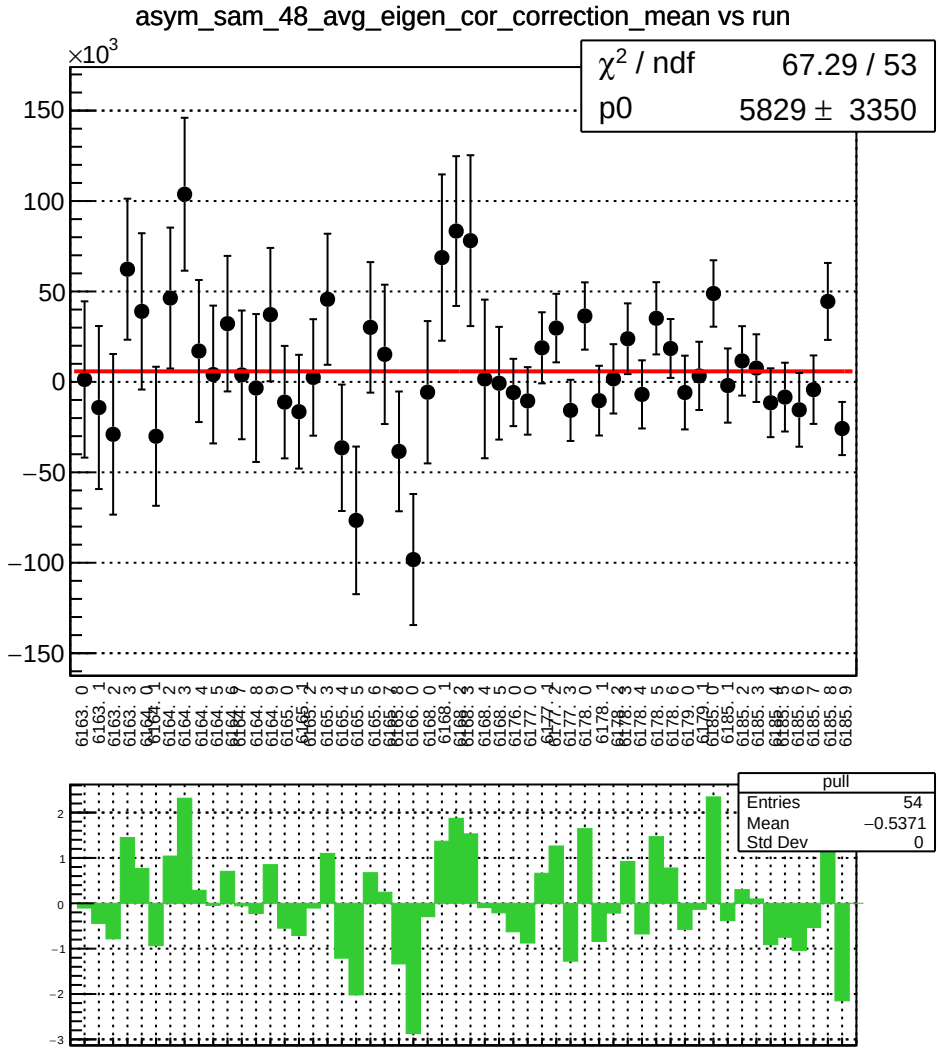

pull1D
Entries 54
Mean 0.04677
Std Dev 1.115
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

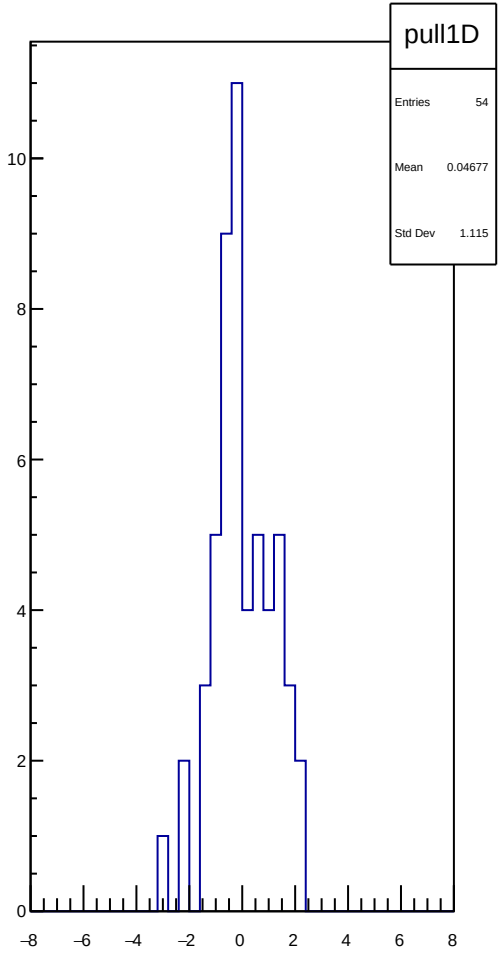

asym_sam_48_avg_cor_correction_rms vs run
χ² / ndf 1.19e+05 / 53
p0 2264 ± 2.369
4500
4000
3500
3000
2500
2000
1500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

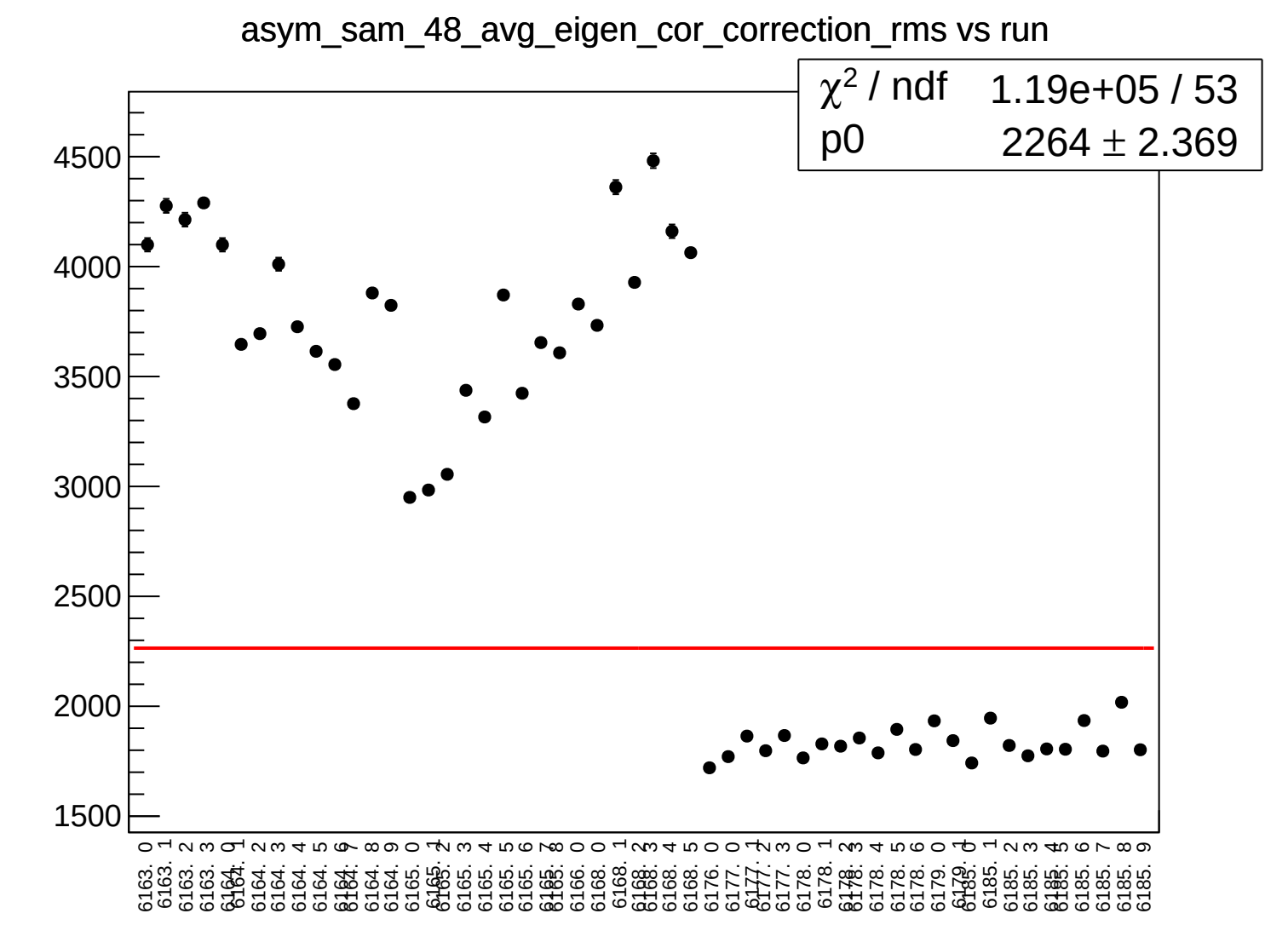

eigen_cor_asym_sam_48_avg_mean vs run
χ² / ndf 57.79 / 53
p0 −298.8 ± 214.8
4000
2000
0
−2000
−4000
−6000
pull
Entries 54
Mean 44.61
Std Dev 43.95
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

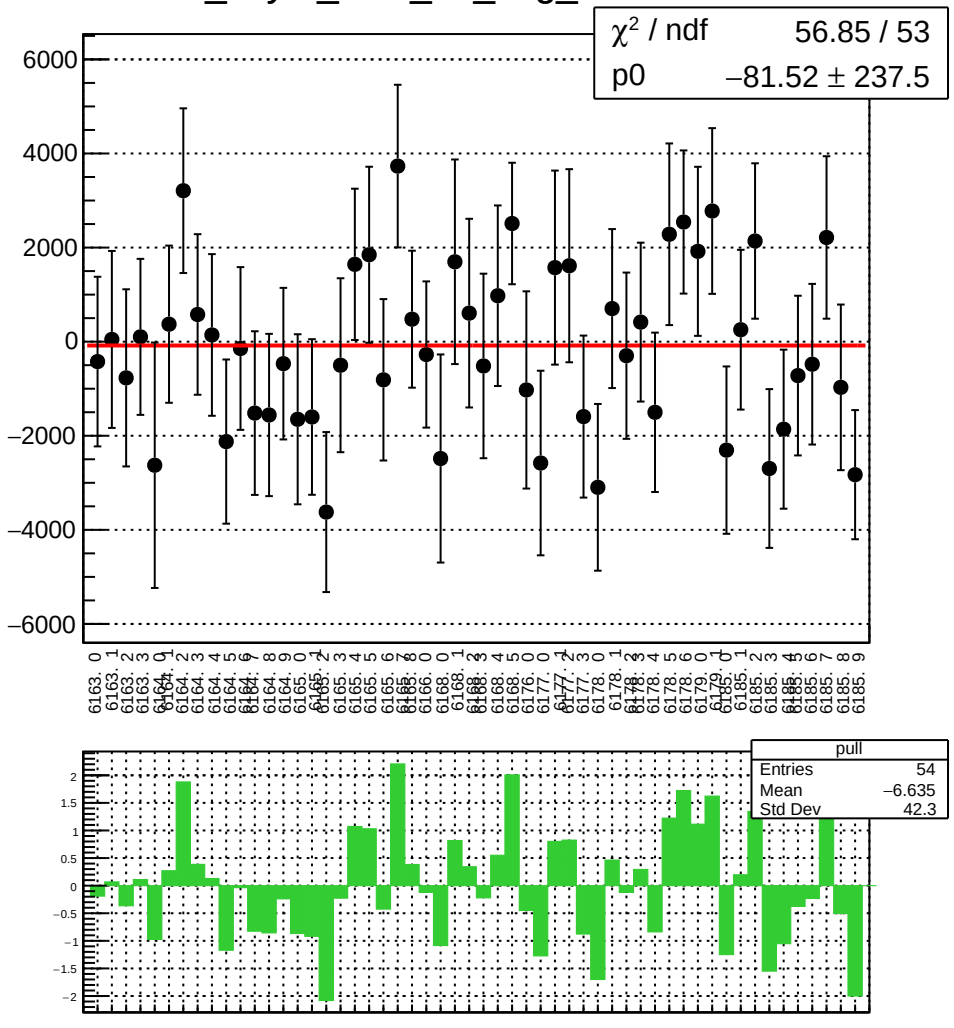

pull1D
Entries 54
Mean −0.01176
Std Dev 1.034
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

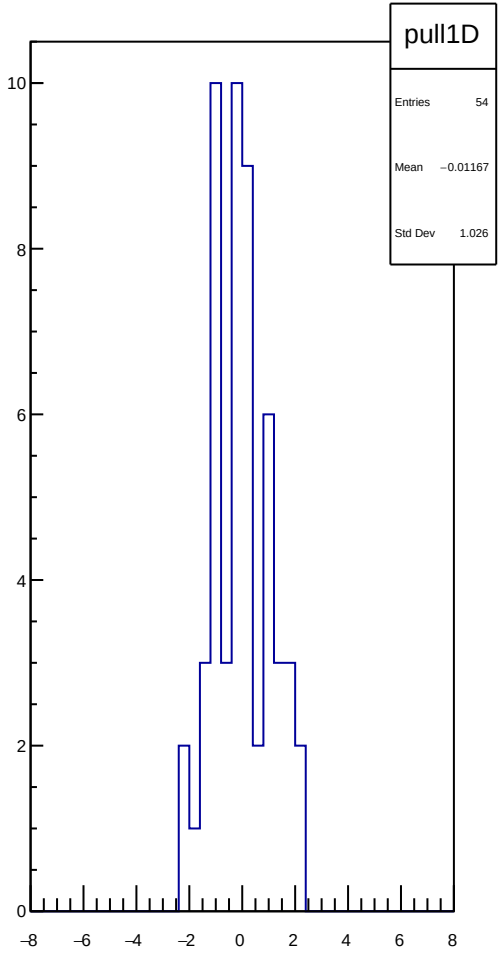

eigen_cor_asym_sam_48_avg_rms vs run
χ² / ndf 4110 / 53
p0 154 ± 0.1519
220
210
200
190
180
170
160
150
140
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

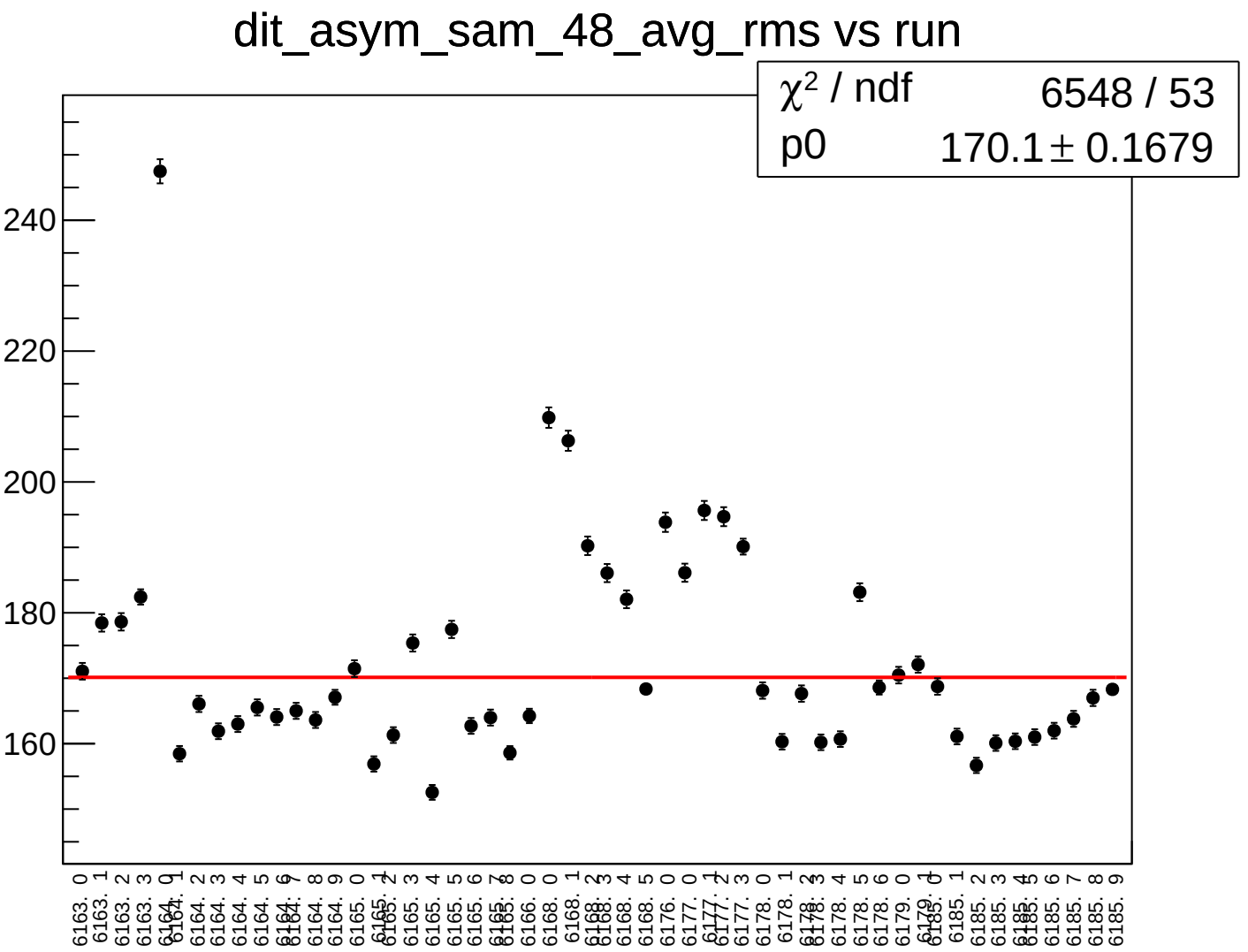

asym_sam_48_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 67.29 / 53
p0 5829 ± 3350
pull
Entries 54
Mean −0.5371
Std Dev 0

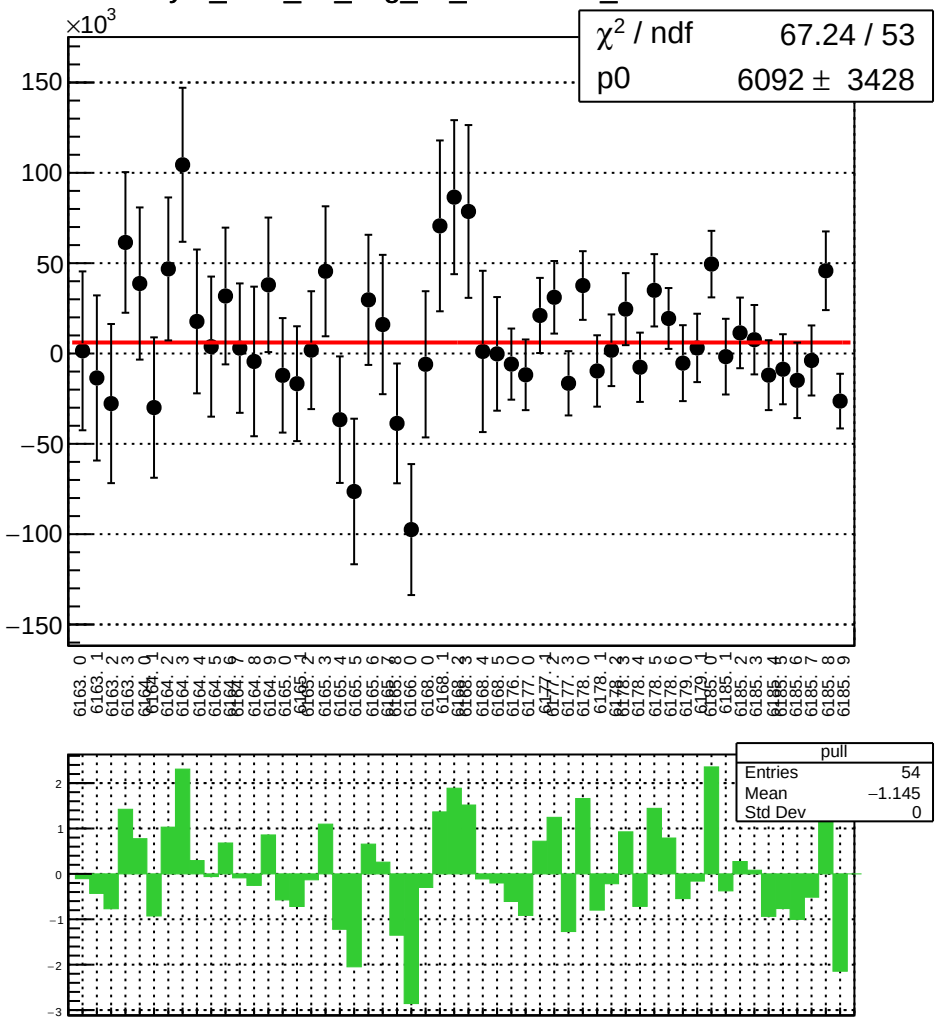

pull1D
Entries 54
Mean 0.04677
Std Dev 1.115

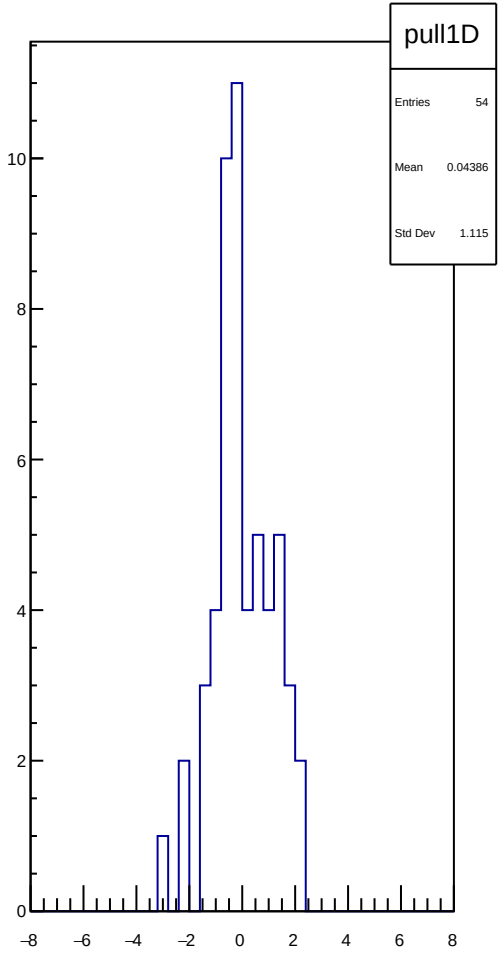

asym_sam_48_avg_eigen_cor_correction_rms vs run
χ² / ndf 1.19e+05 / 53
p0 2264 ± 2.369
4500
4000
3500
3000
2500
2000
1500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

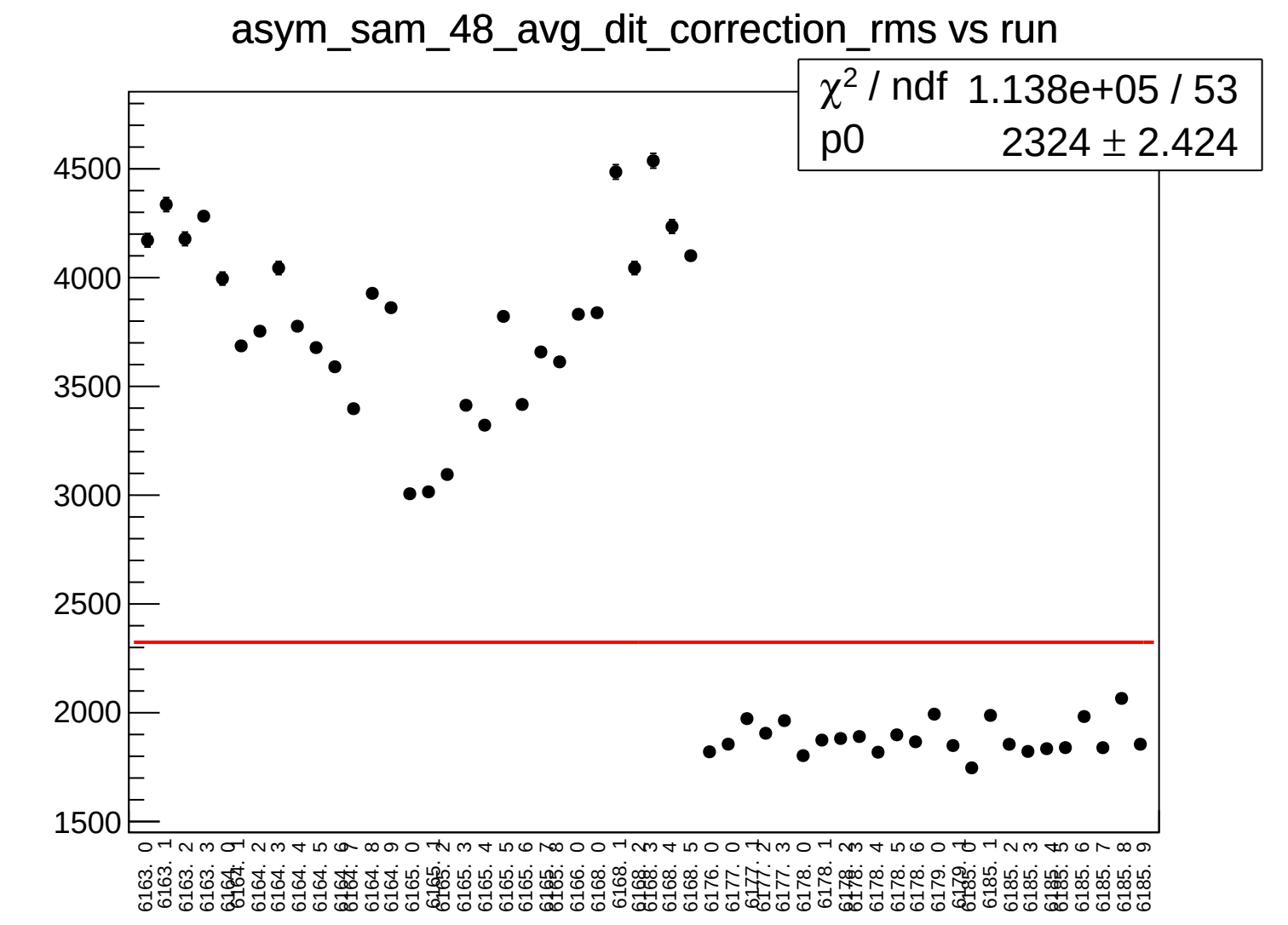

dit_asym_sam_48_avg_mean vs run
χ² / ndf 56.85 / 53
p0 −81.52 ± 237.5
pull
Entries 54
Mean −6.635
Std Dev 42.3

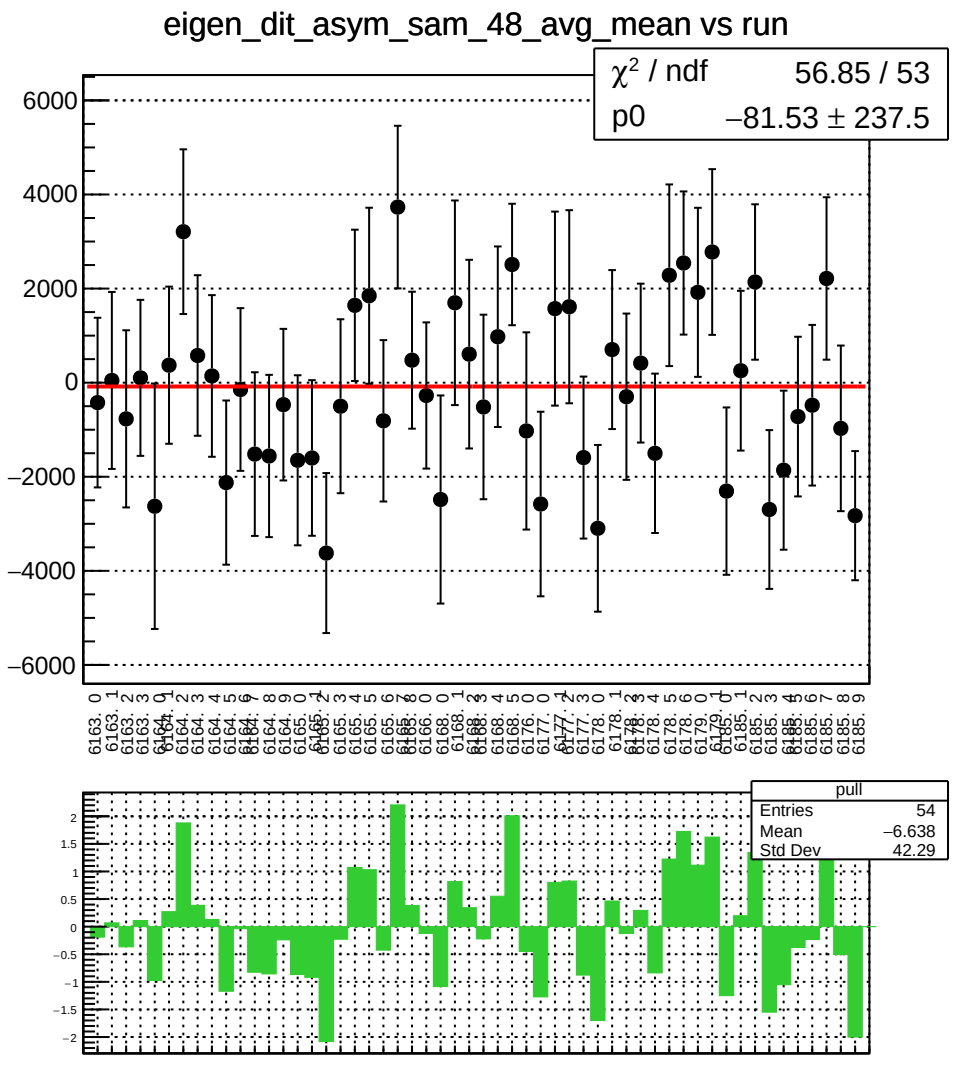

pull1D
Entries 54
Mean −0.01167
Std Dev 1.026

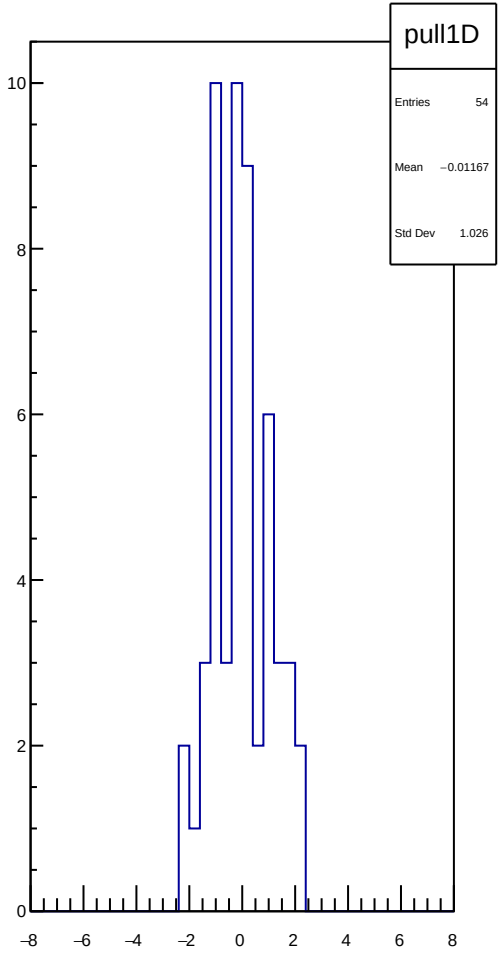

dit_asym_sam_48_avg_rms vs run
χ² / ndf 6548 / 53
p0 170.1 ± 0.1679
240
220
200
180
160
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

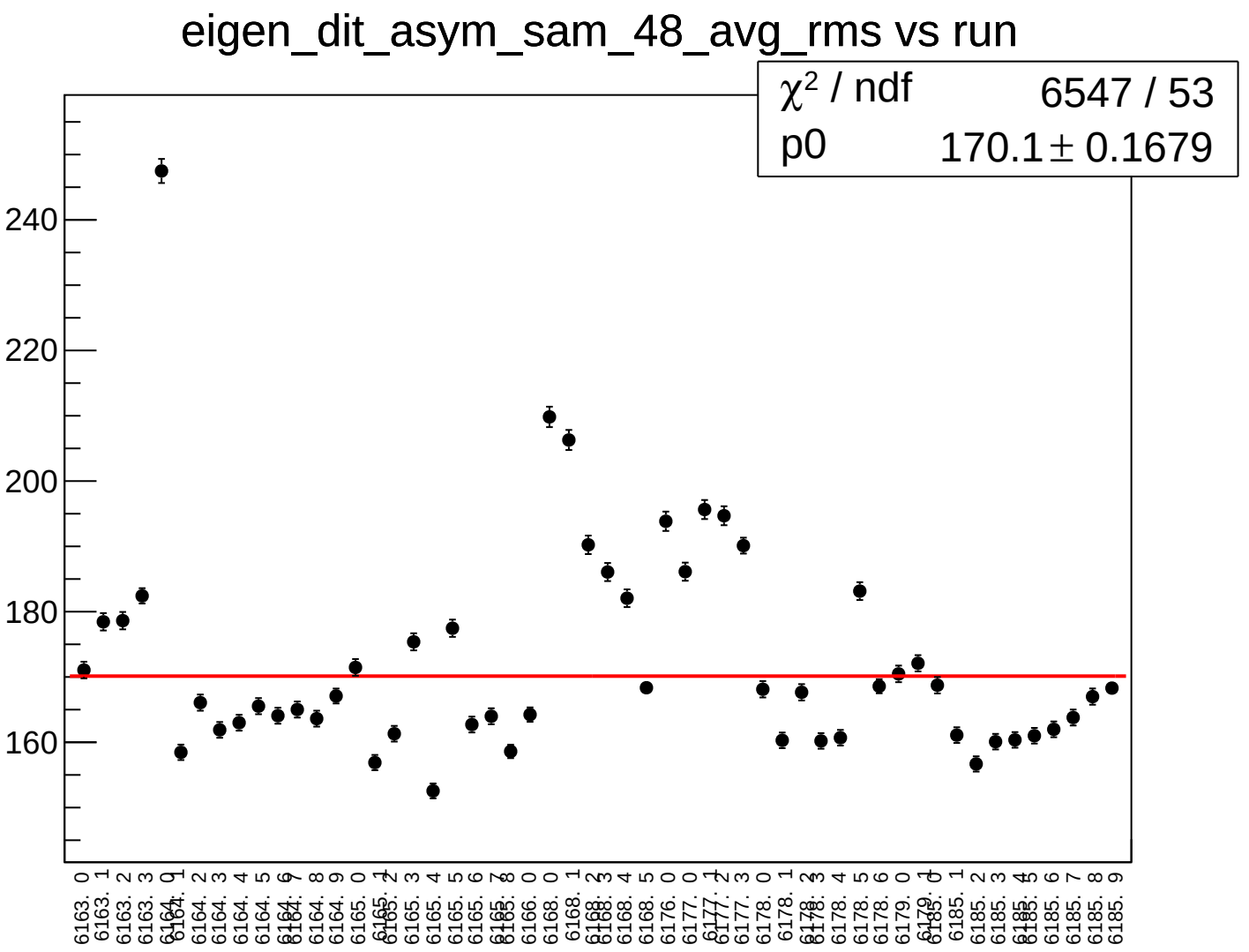

asym_sam_48_avg_dit_correction_mean vs run
χ² / ndf 67.24 / 53
p0 6092 ± 3428
pull
Entries 54
Mean −1.145
Std Dev 0

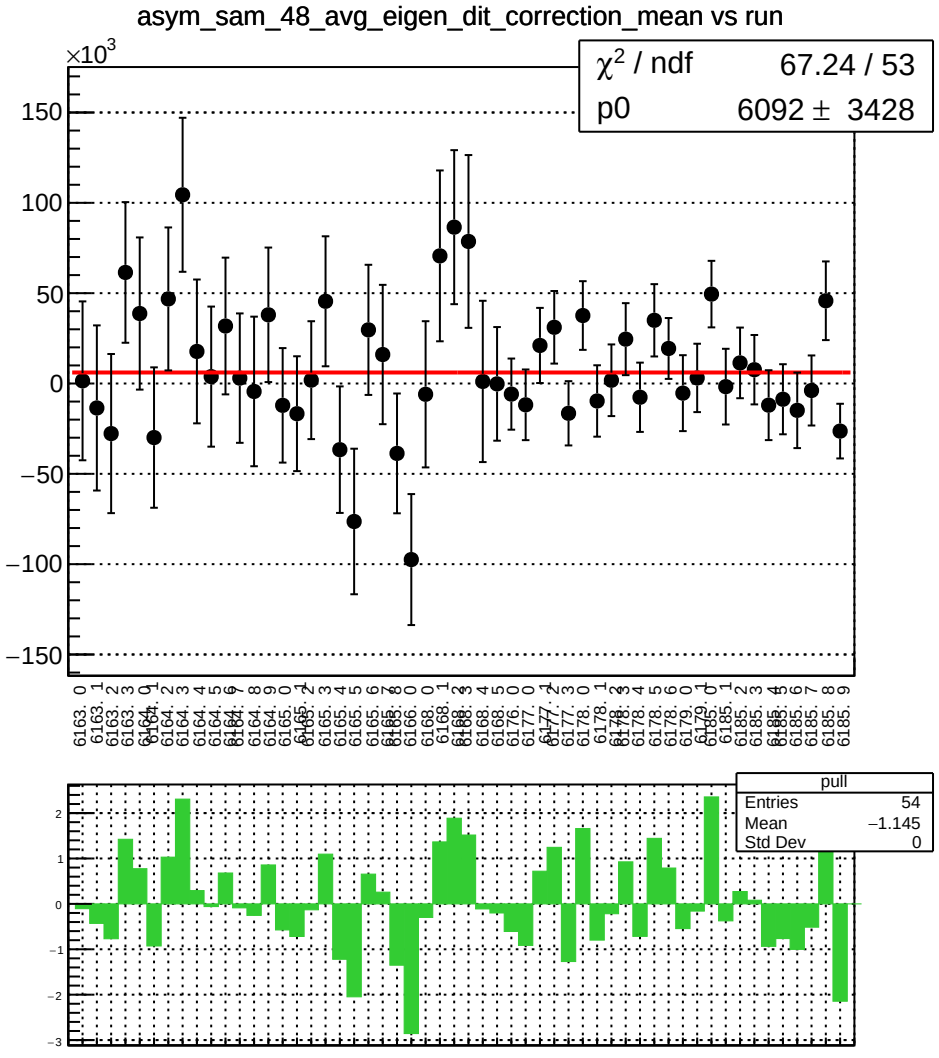

pull1D
Entries 54
Mean 0.04386
Std Dev 1.115

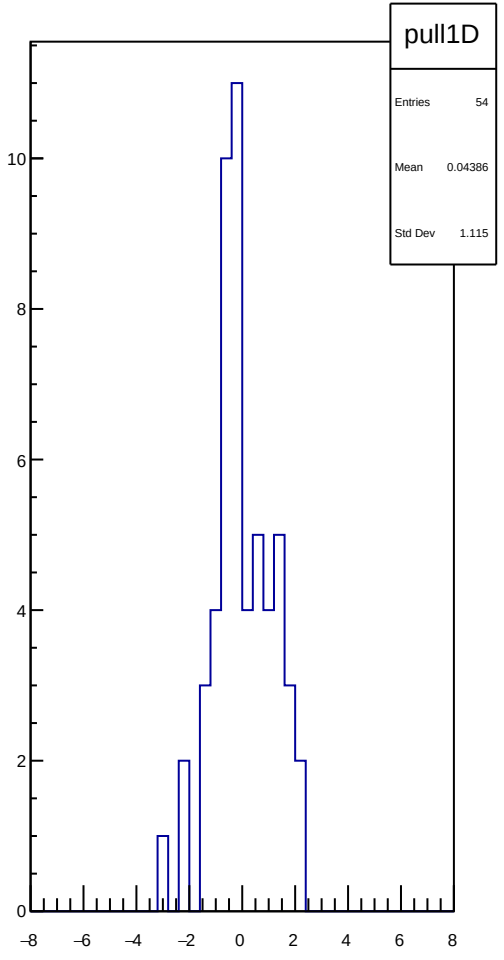

asym_sam_48_avg_dit_correction_rms vs run
χ² / ndf 1.138e+05 / 53
p0 2324 ± 2.424
4500
4000
3500
3000
2500
2000
1500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

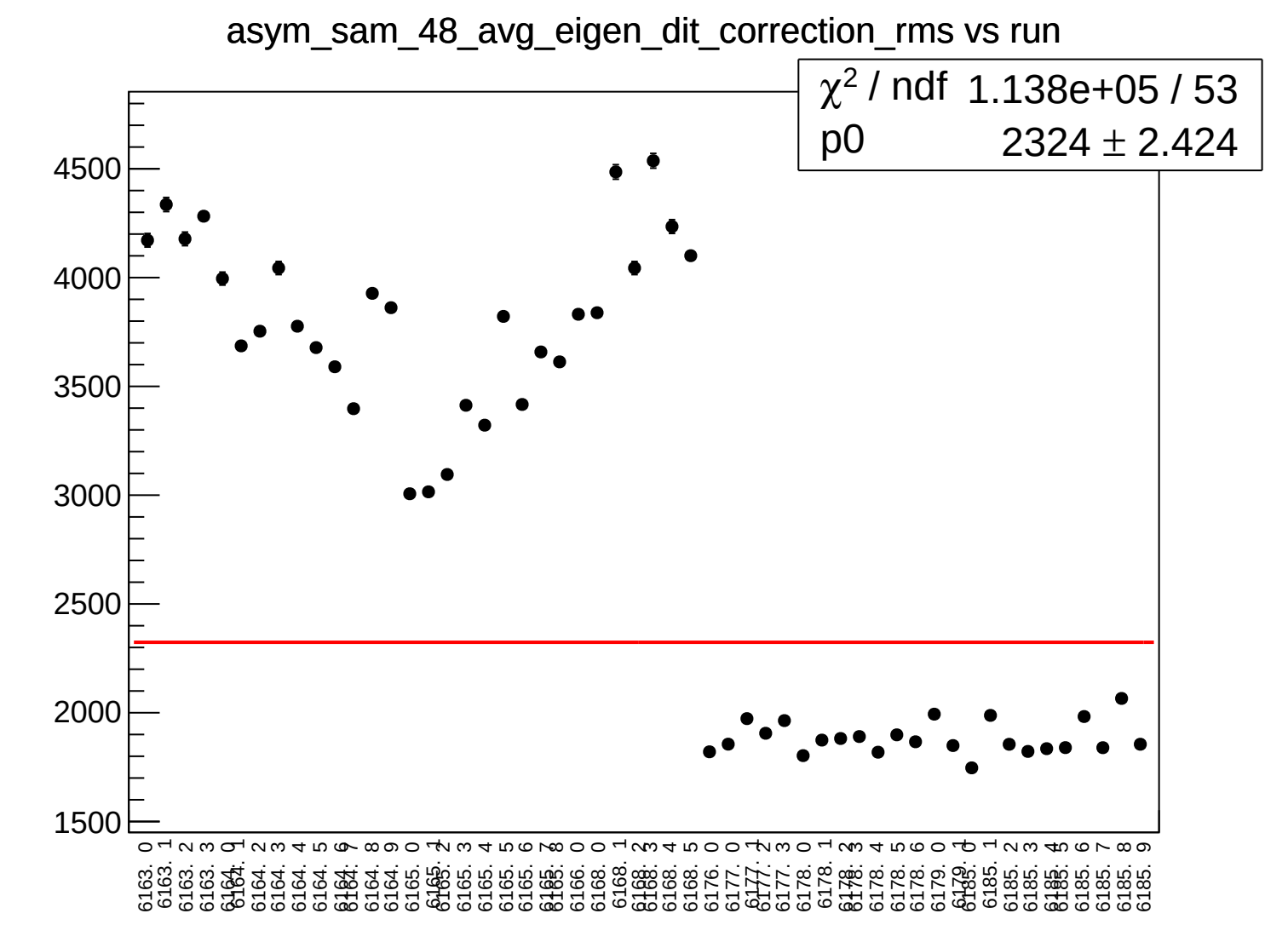

eigen_dit_asym_sam_48_avg_mean vs run
χ² / ndf 56.85 / 53
p0 −81.53 ± 237.5
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 54
Mean −6.638
Std Dev 42.29
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

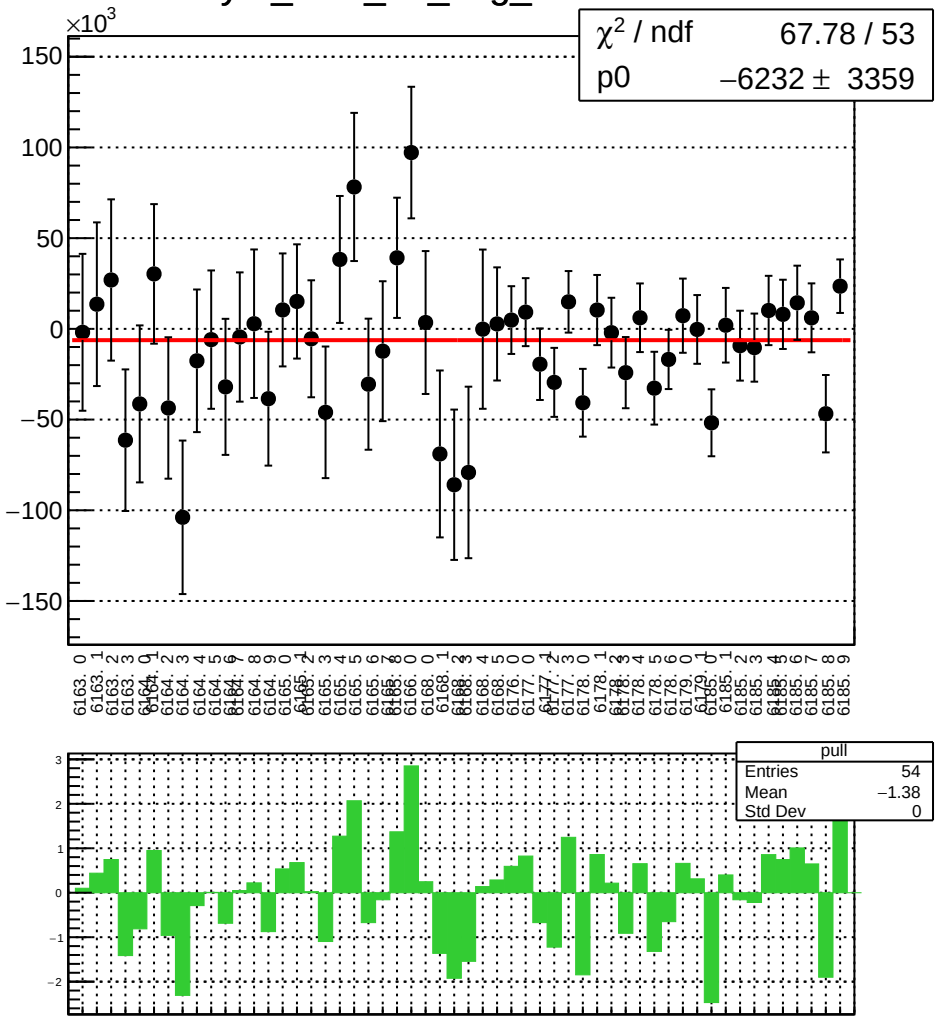

pull1D
Entries 54
Mean −0.01167
Std Dev 1.026
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

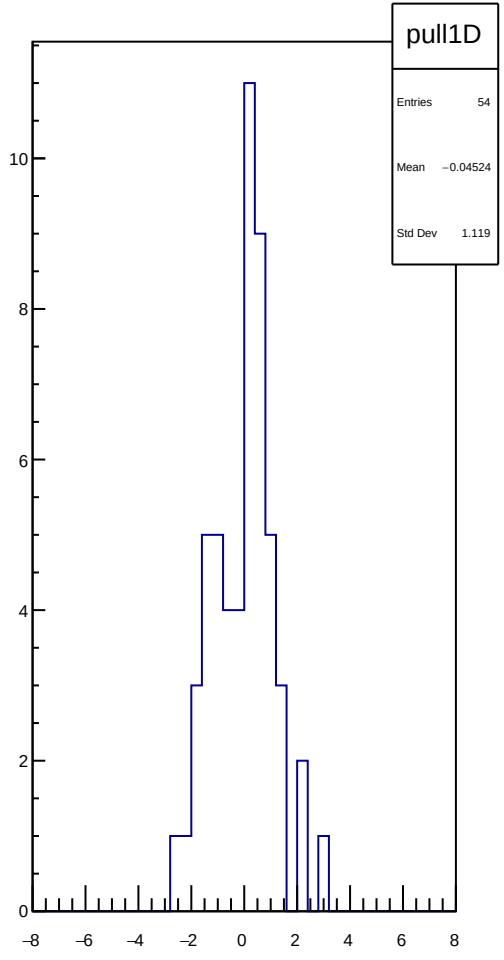

eigen_dit_asym_sam_48_avg_rms vs run
χ² / ndf 6547 / 53
p0 170.1 ± 0.1679
240
220
200
180
160
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

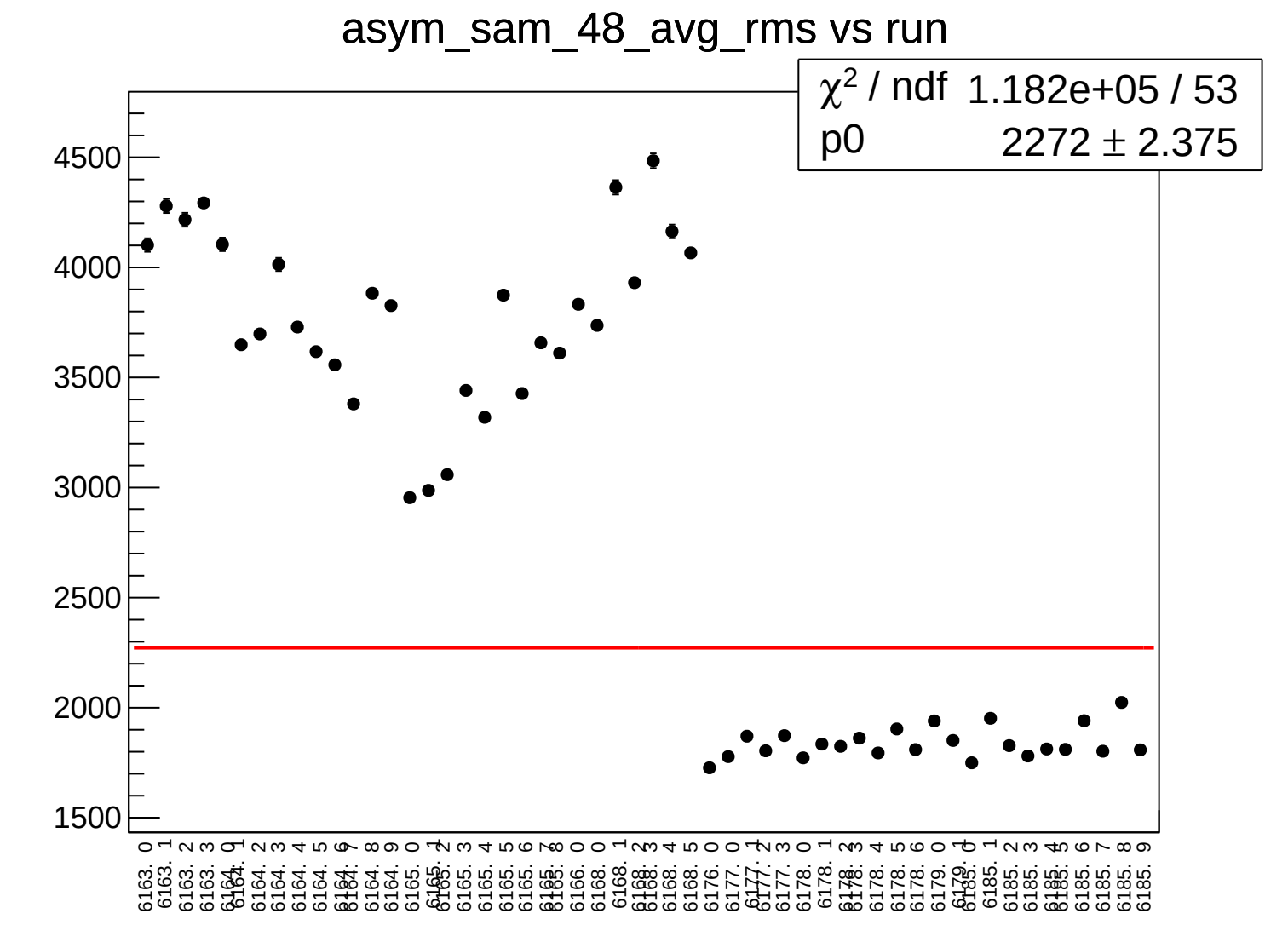

asym_sam_48_avg_eigen_dit_correction_mean vs run
×10^3
χ^2 / ndf 67.24 / 53
p0 6092 ± 3428
150
100
50
0
−50
−100
−150
pull
Entries 54
Mean −1.145
Std Dev 0
2
1
0
−1
−2
−3

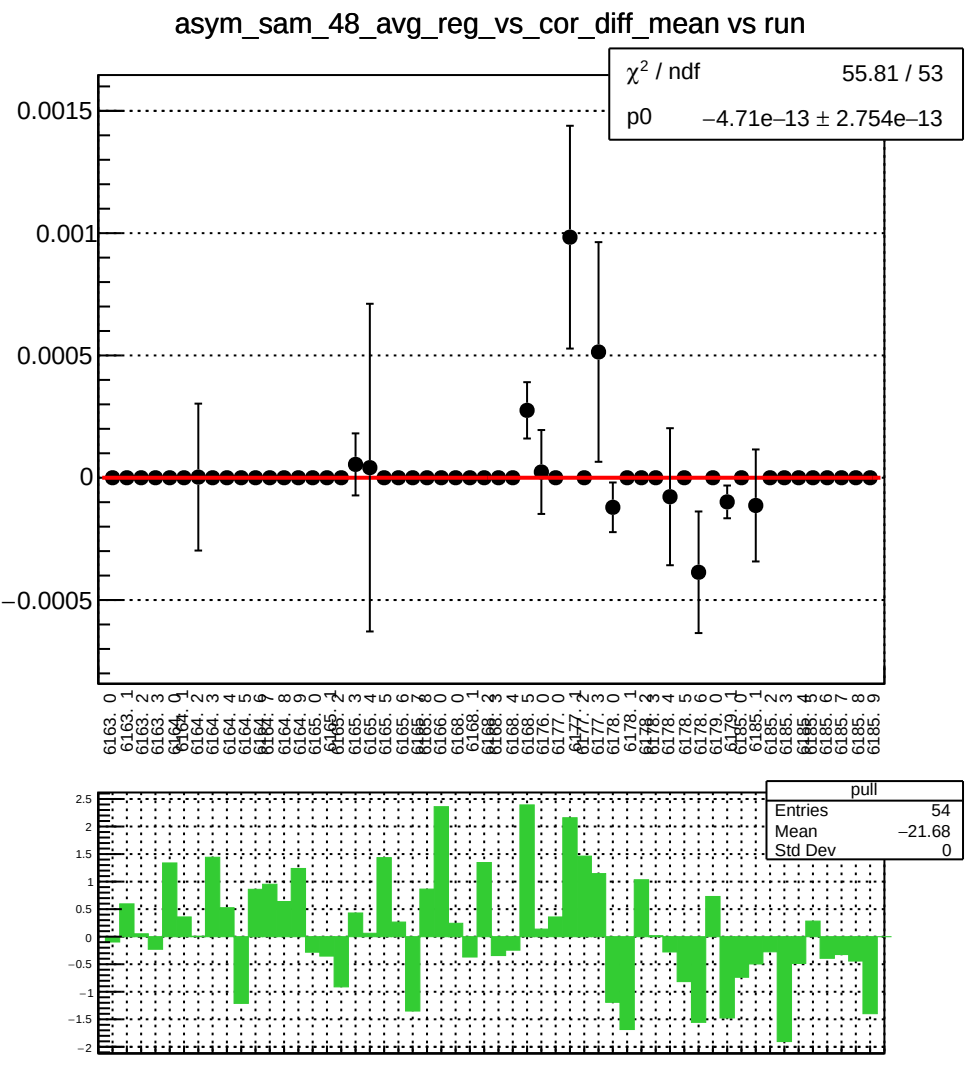

pull1D
Entries 54
Mean 0.04386
Std Dev 1.115
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

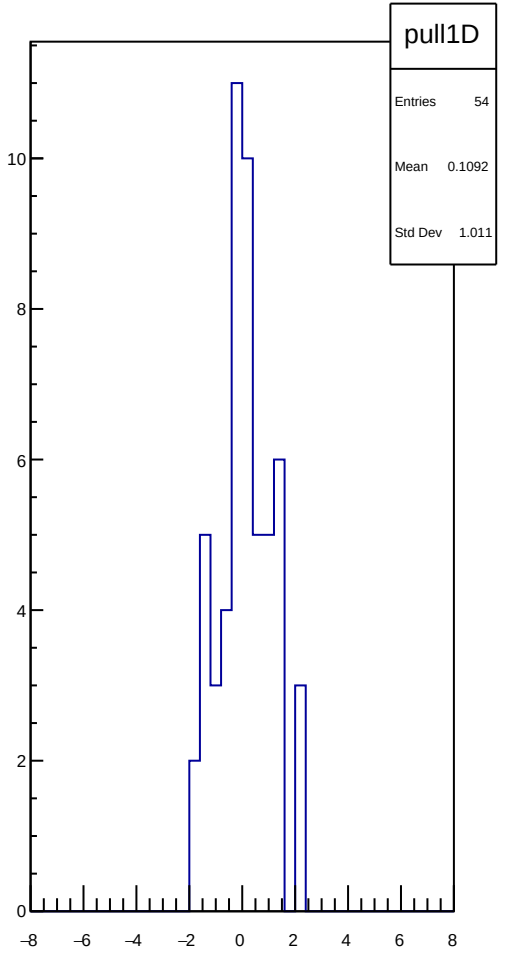

asym_sam_48_avg_eigen_dit_correction_rms vs run
χ² / ndf 1.138e+05 / 53
p0 2324 ± 2.424
4500
4000
3500
3000
2500
2000
1500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

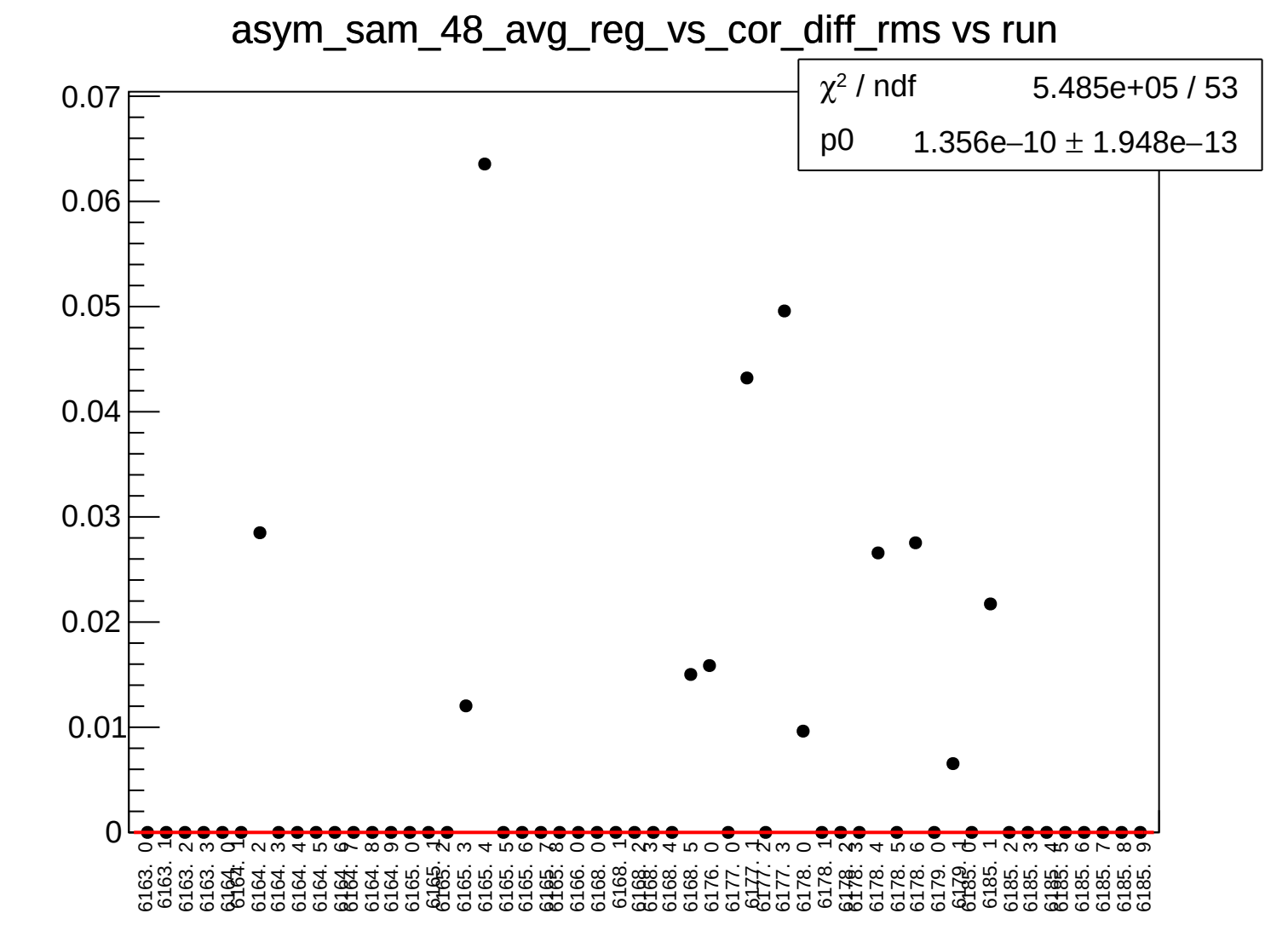

asym_sam_48_avg_mean vs run
×10^3
χ^2 / ndf 67.78 / 53
p0 −6232 ± 3359
150
100
50
0
−50
−100
−150
pull
Entries 54
Mean −1.38
Std Dev 0
3
2
1
0
−1
−2

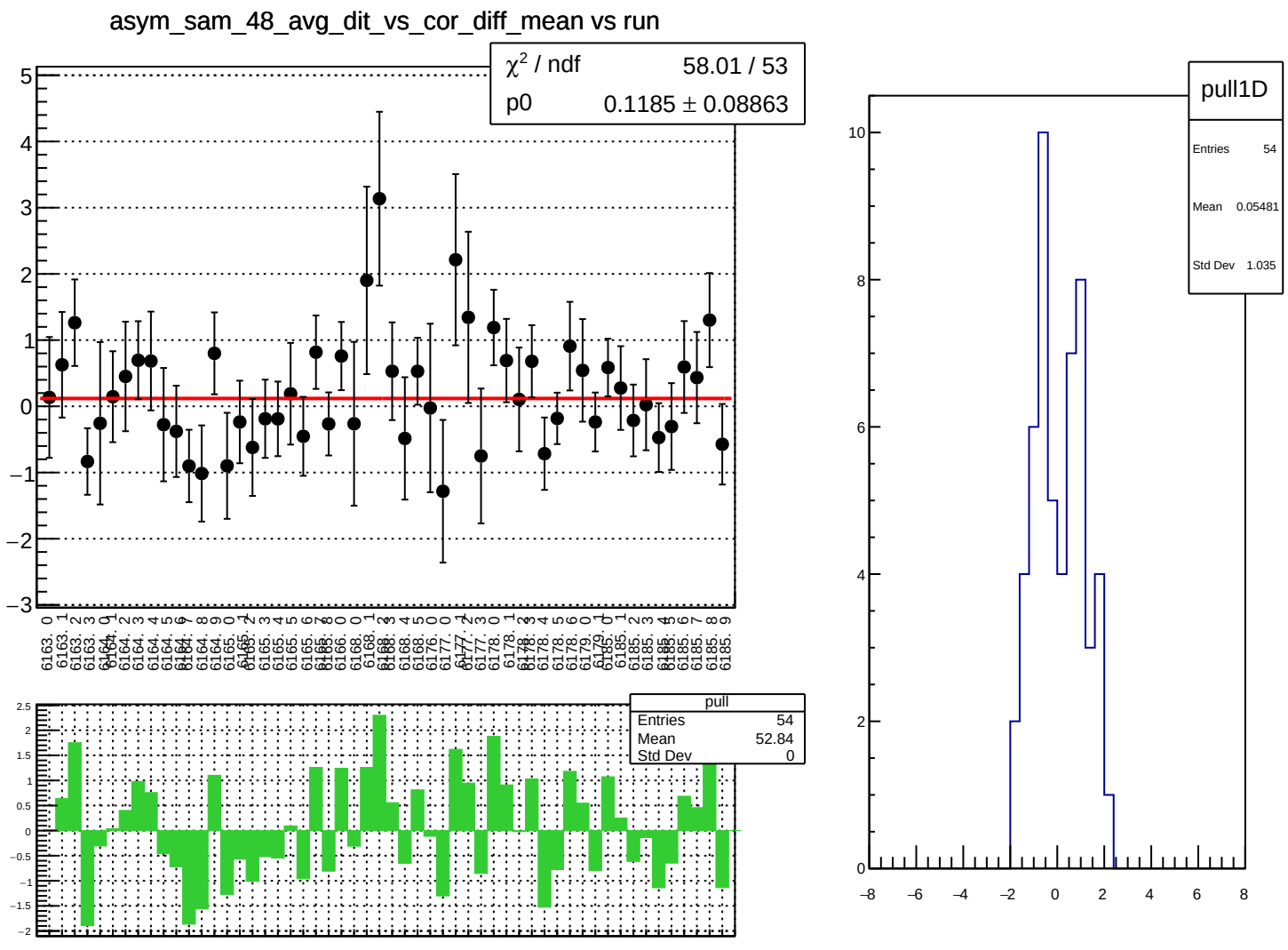

pull1D
Entries 54
Mean −0.04524
Std Dev 1.119
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

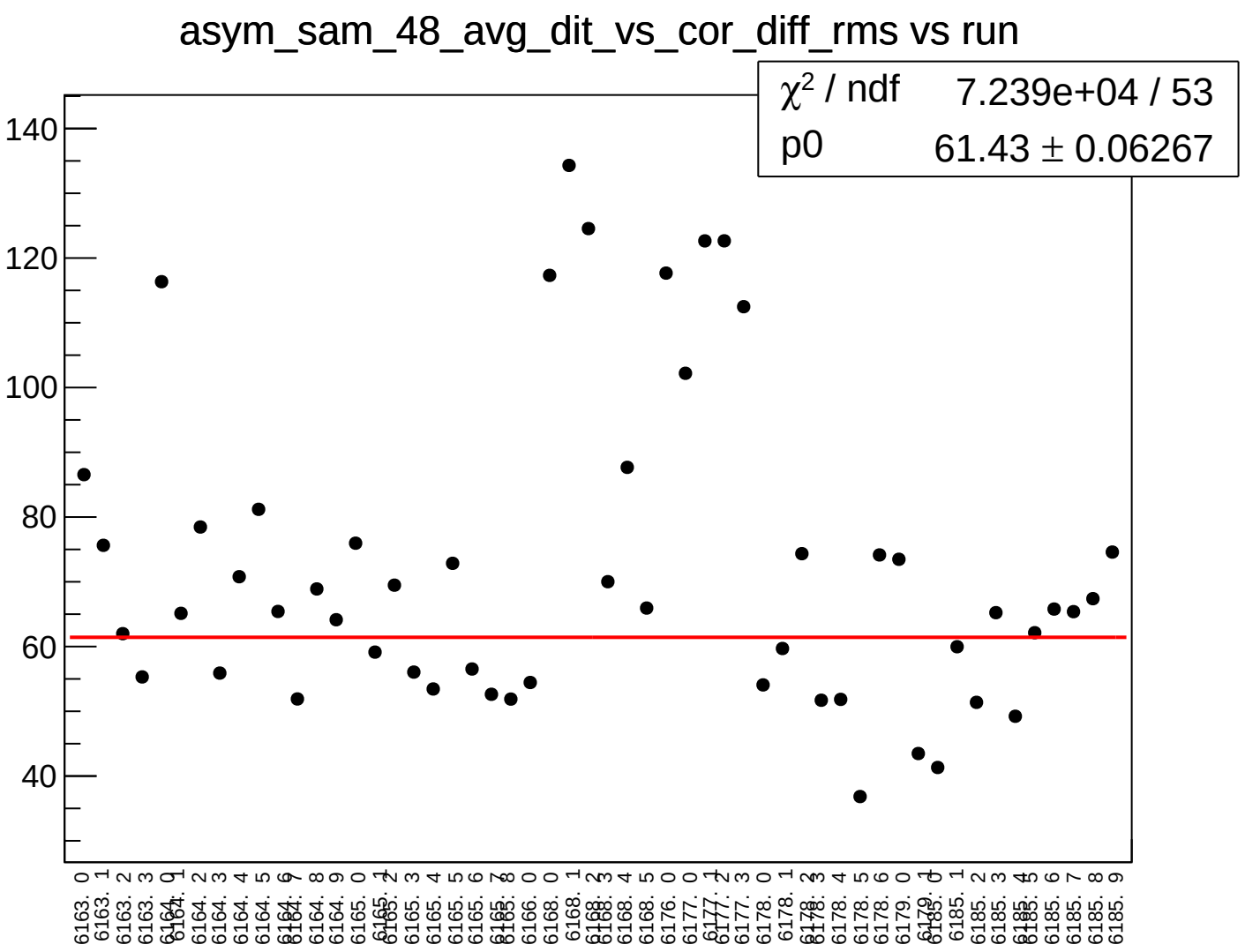

asym_sam_48_avg_rms vs run
χ^2 / ndf 1.182e+05 / 53
p0 2272 ± 2.375
4500
4000
3500
3000
2500
2000
1500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

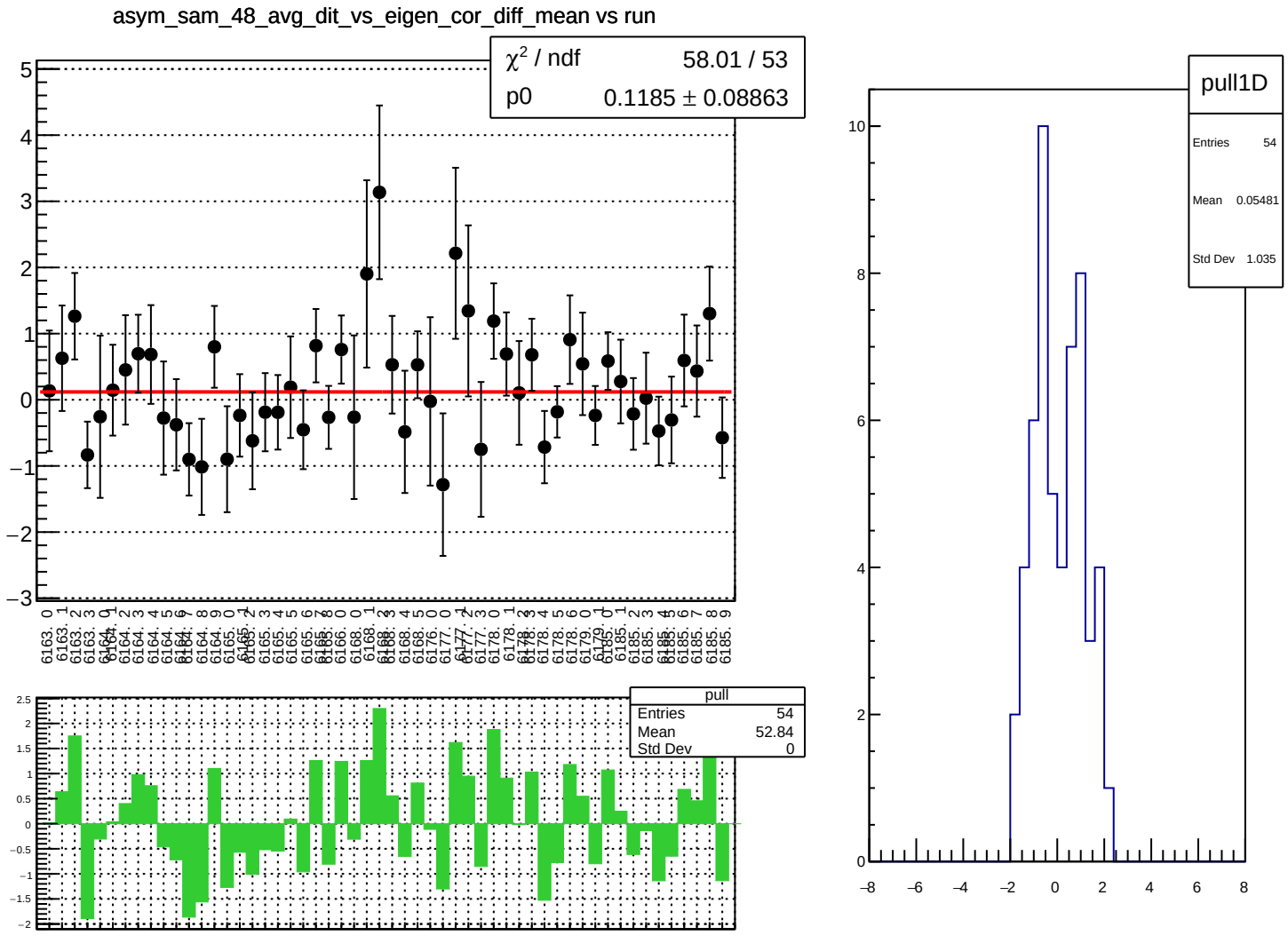

asym_sam_48_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 55.81 / 53
p0 −4.71e−13 ± 2.754e−13
0.0015
0.001
0.0005
0
−0.0005
pull
Entries 54
Mean −21.68
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

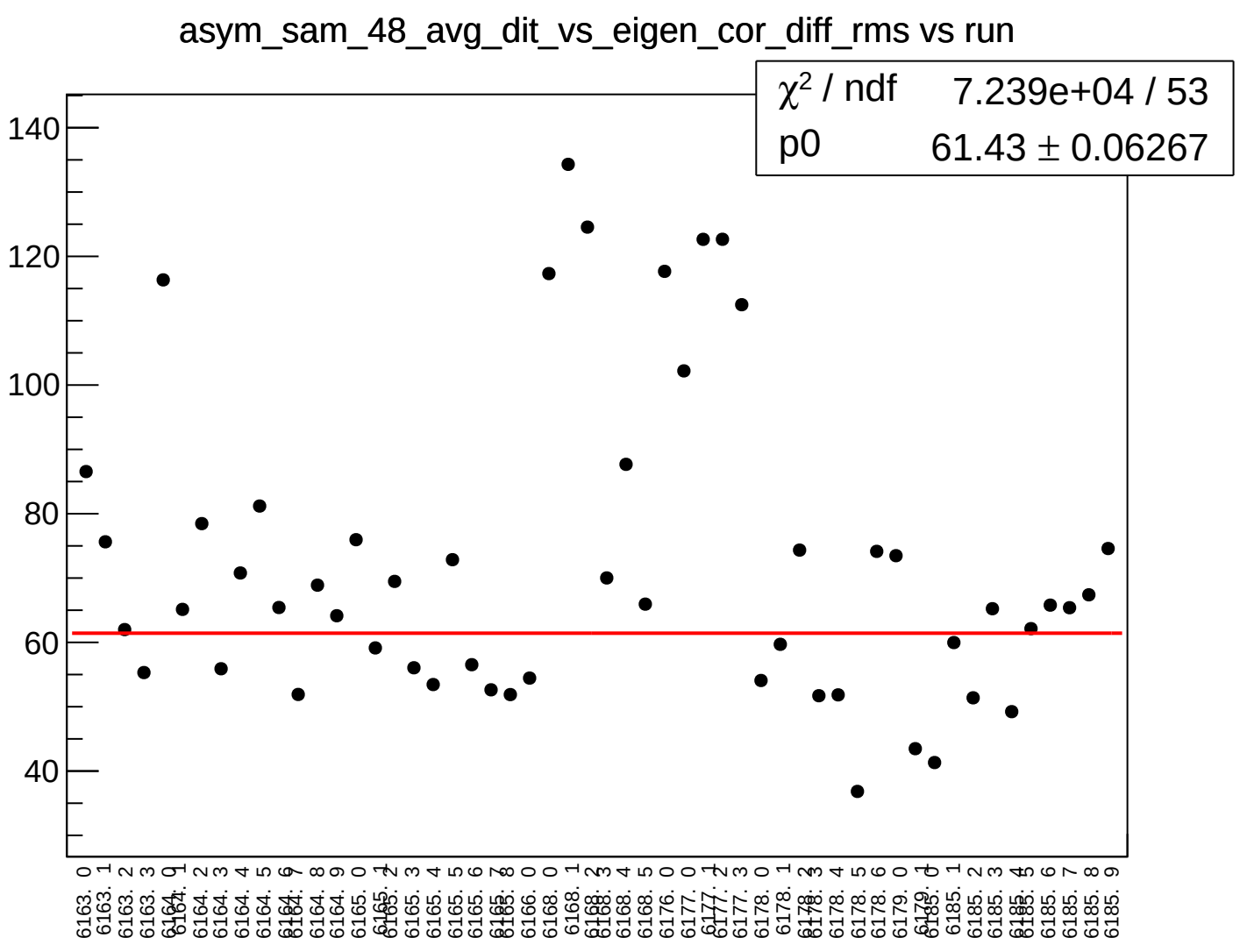

pull1D
Entries 54
Mean 0.1092
Std Dev 1.011
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

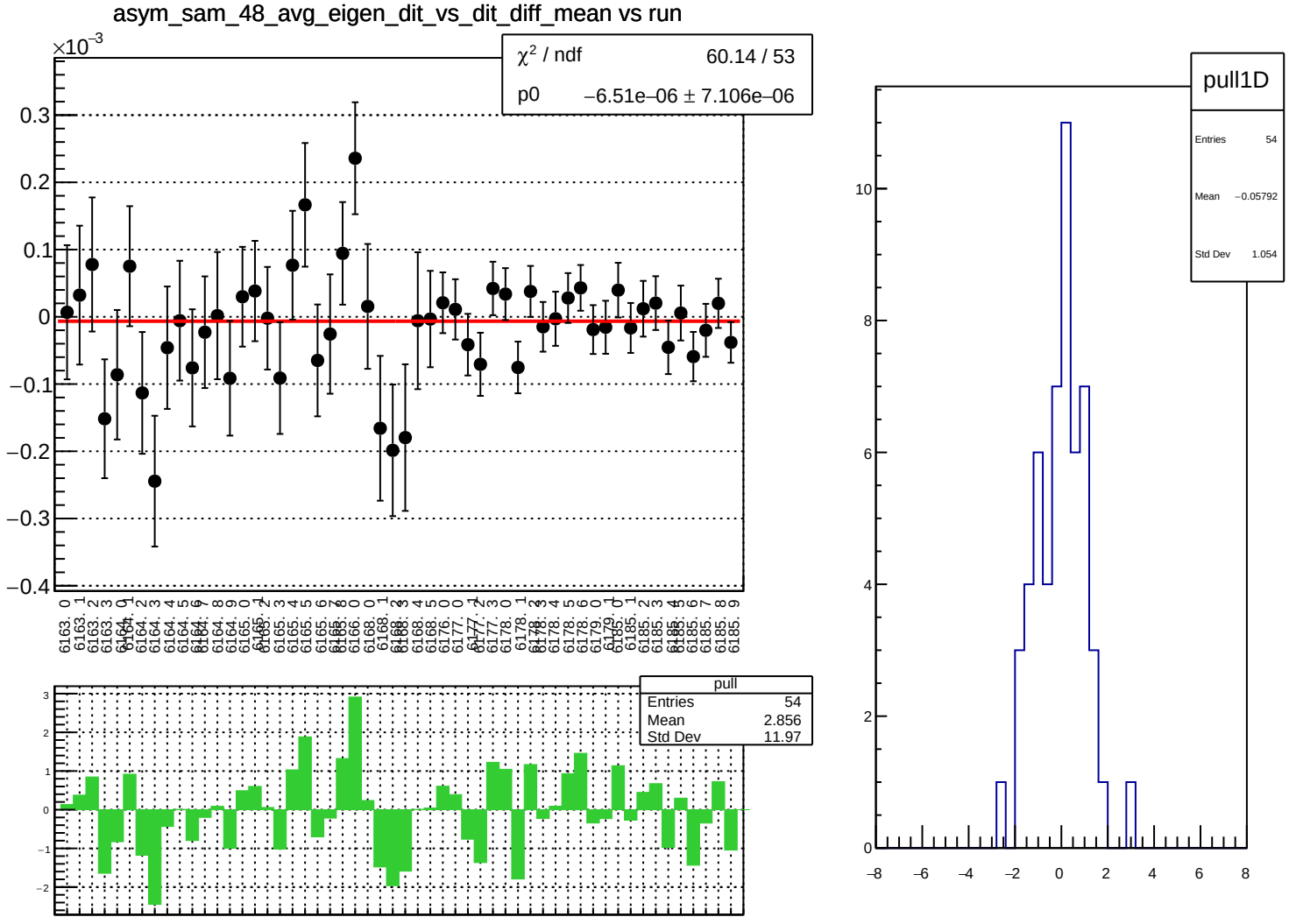

asym_sam_48_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 5.485e+05 / 53
p0 1.356e−10 ± 1.948e−13
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

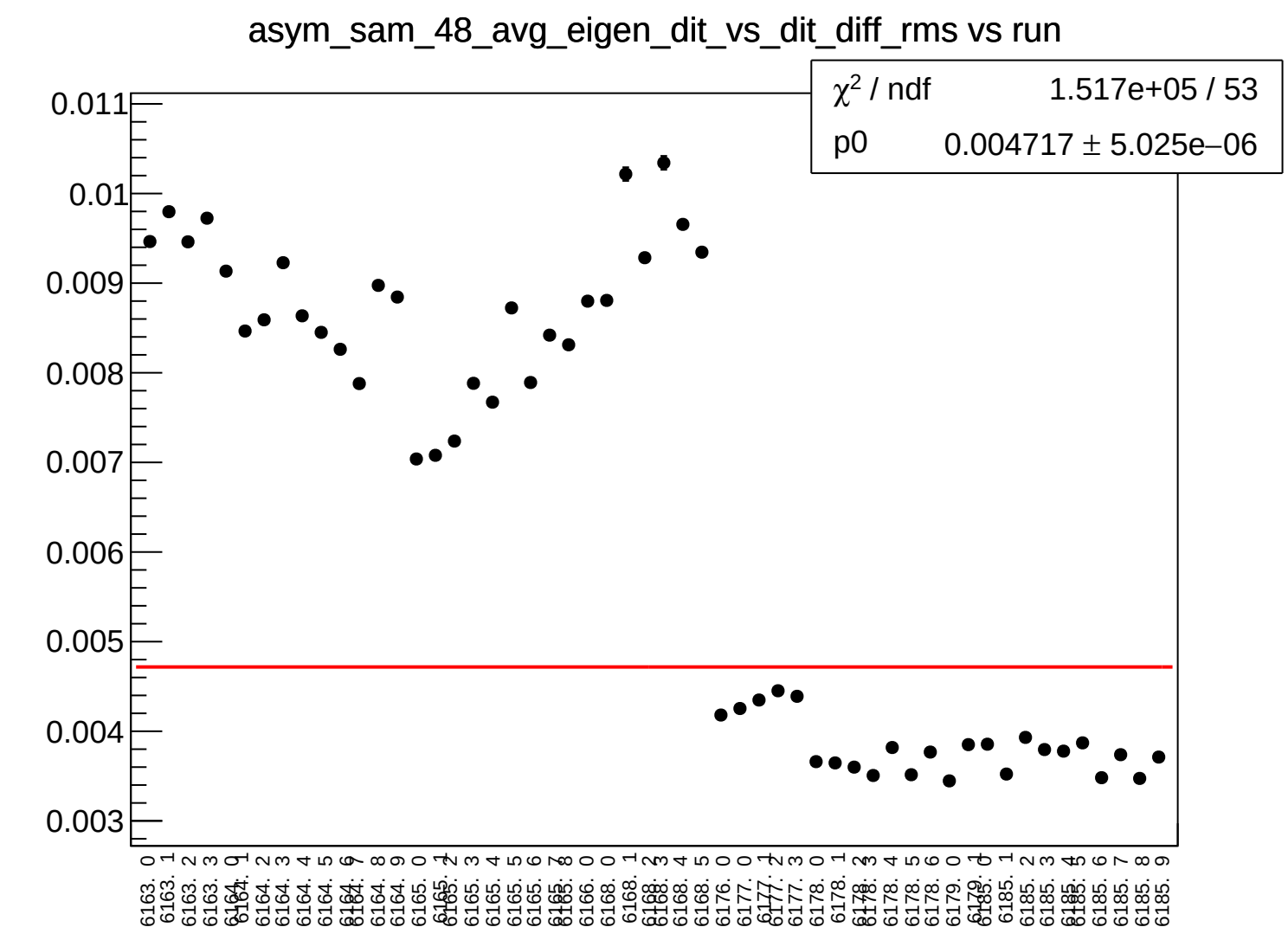

asym_sam_48_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 58.01 / 53
p0 0.1185 ± 0.08863
pull
Entries 54
Mean 52.84
Std Dev 0
pull1D
Entries 54
Mean 0.05481
Std Dev 1.035

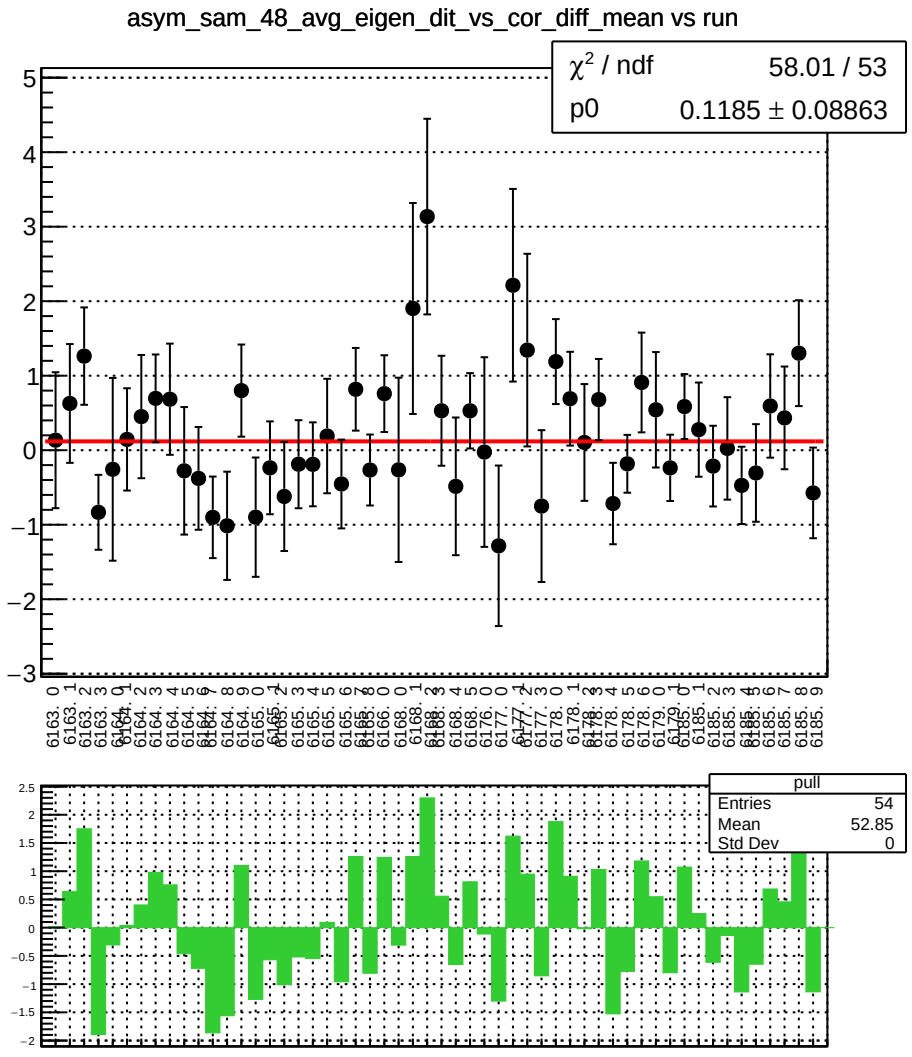

asym_sam_48_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 7.239e+04 / 53
p0 61.43 ± 0.06267
140
120
100
80
60
40
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

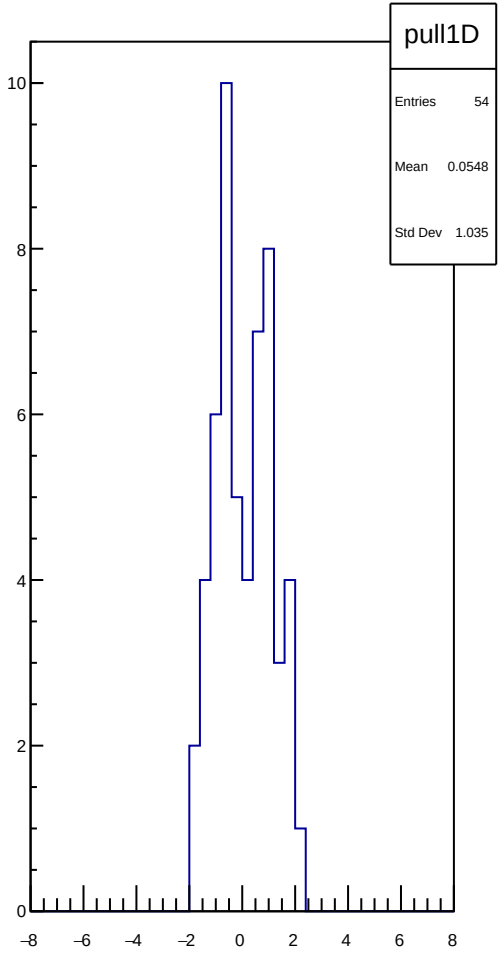

asym_sam_48_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 58.01 / 53
p0 0.1185 ± 0.08863
pull
Entries 54
Mean 52.84
Std Dev 0
pull1D
Entries 54
Mean 0.05481
Std Dev 1.035

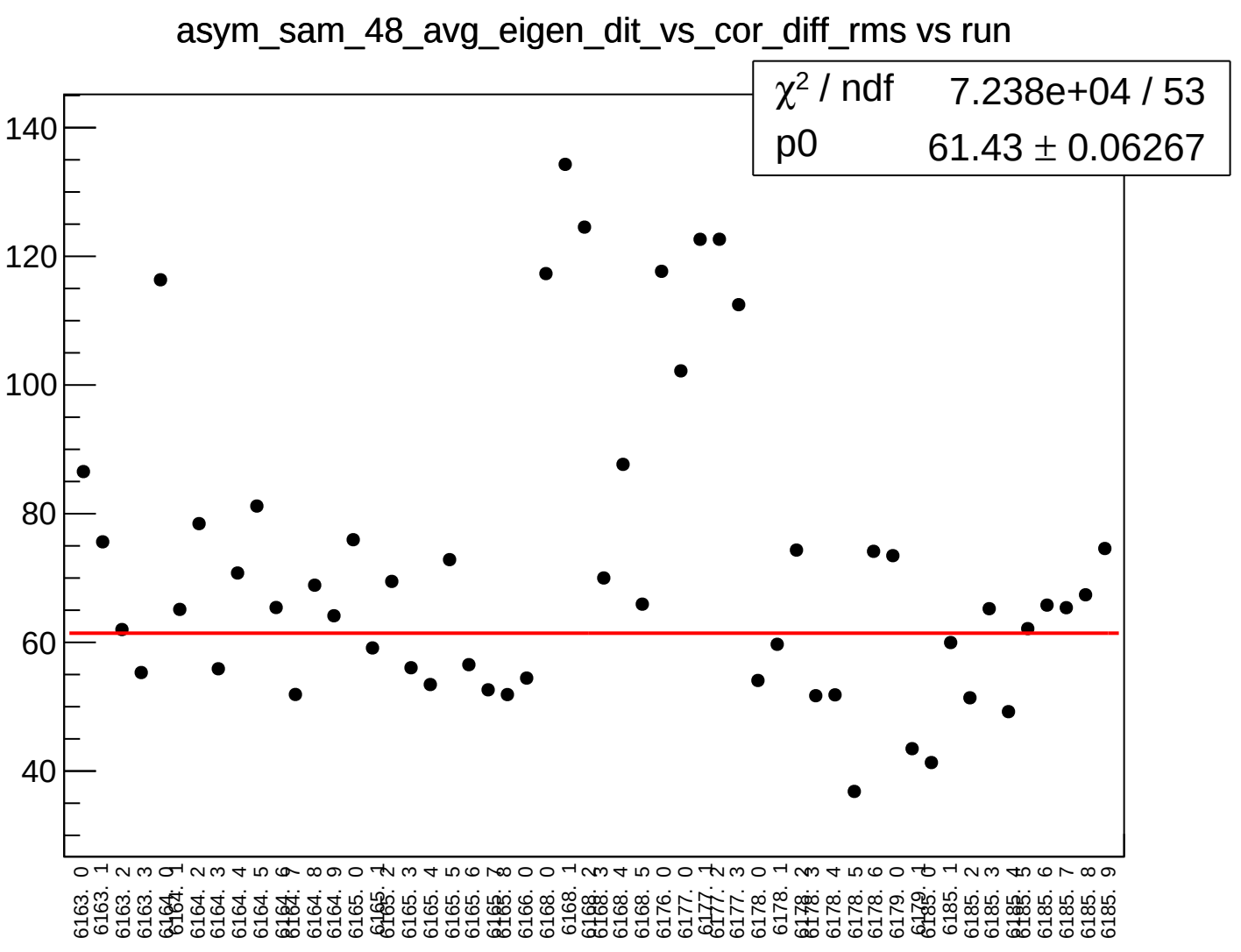

asym_sam_48_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.239e+04 / 53
p0 61.43 ± 0.06267
140
120
100
80
60
40
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

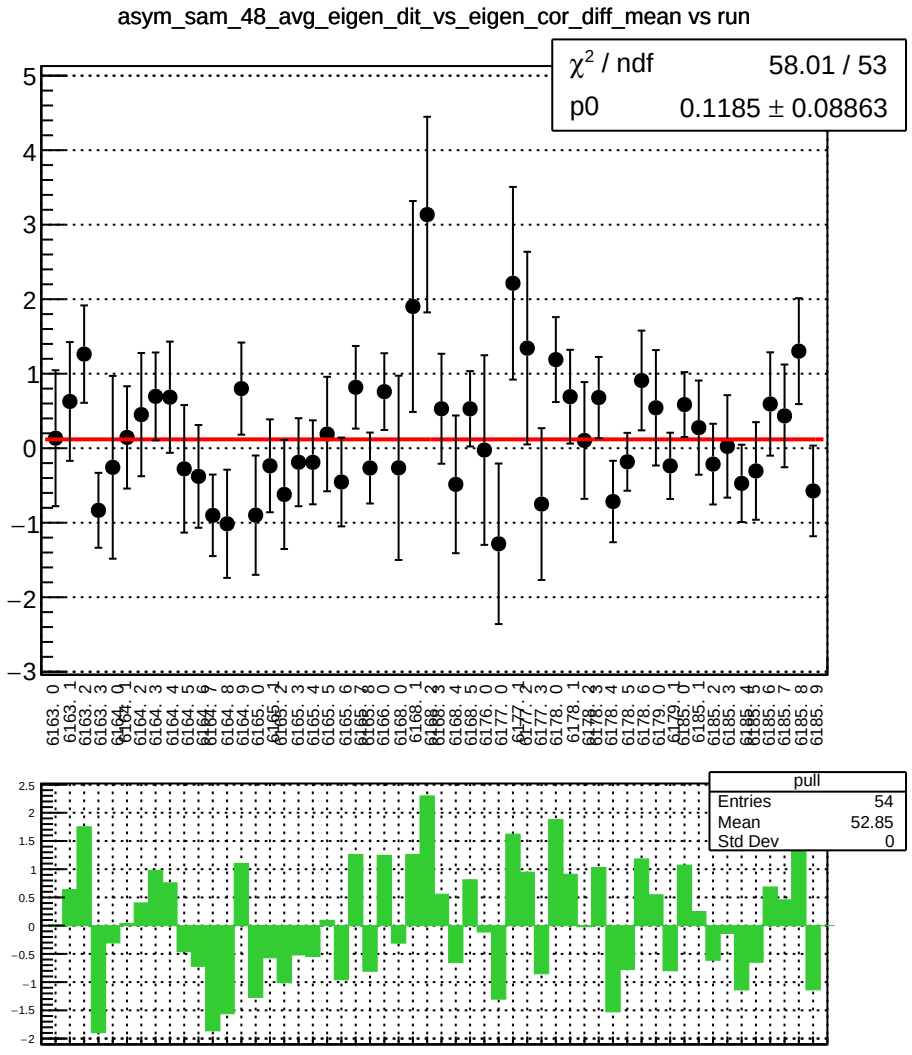

asym_sam_48_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 60.14 / 53
p0 −6.51e−06 ± 7.106e−06
pull
Entries 54
Mean 2.856
Std Dev 11.97
pull1D
Entries 54
Mean −0.05792
Std Dev 1.054

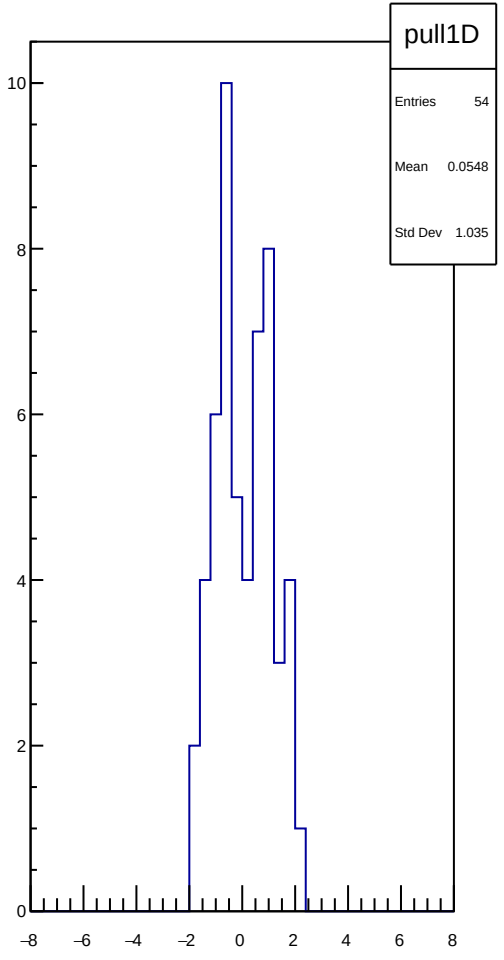

asym_sam_48_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.517e+05 / 53
p0 0.004717 ± 5.025e−06
0.011
0.01
0.009
0.008
0.007
0.006
0.005
0.004
0.003

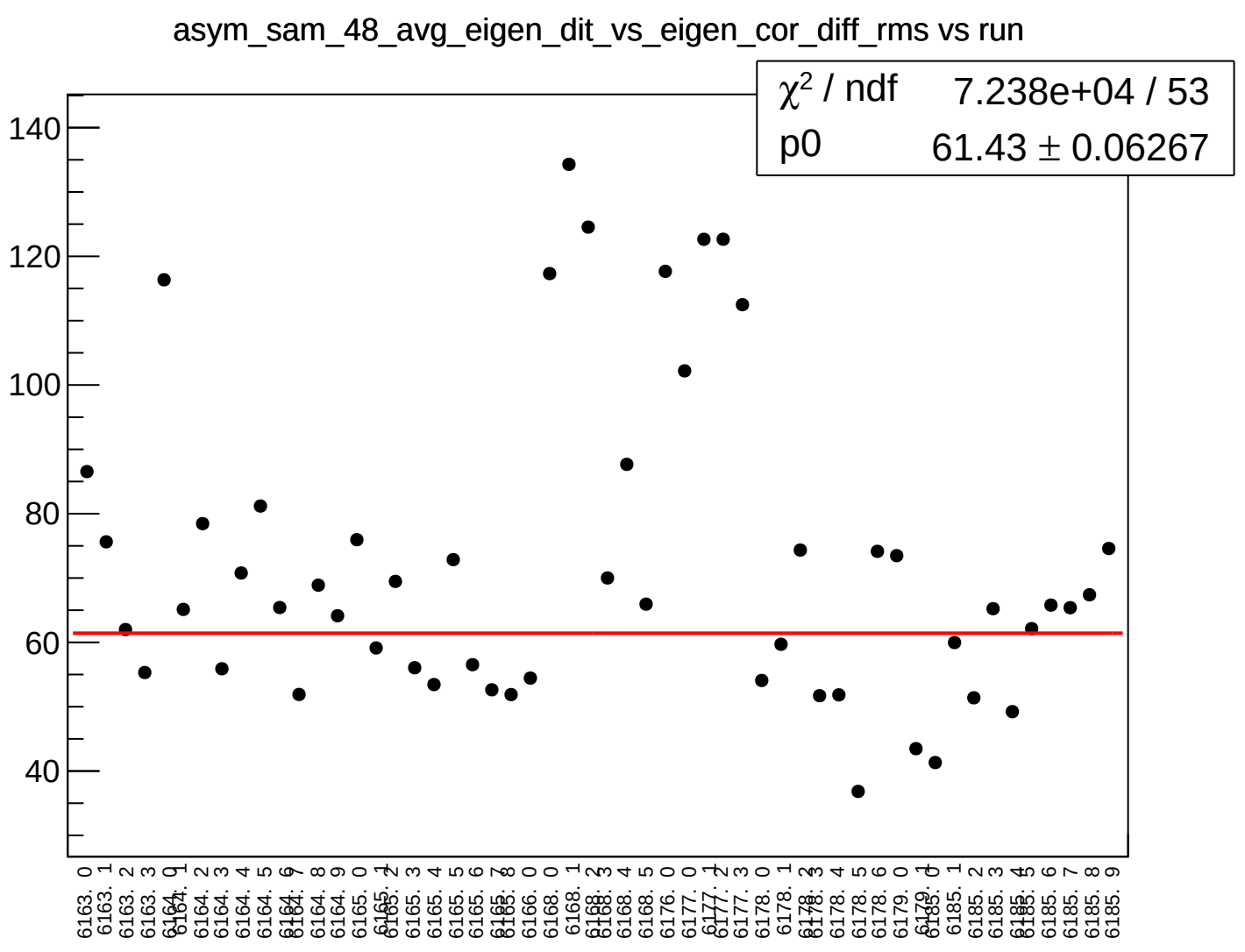

asym_sam_48_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 58.01 / 53
p0 0.1185 ± 0.08863
pull
Entries 54
Mean 52.85
Std Dev 0

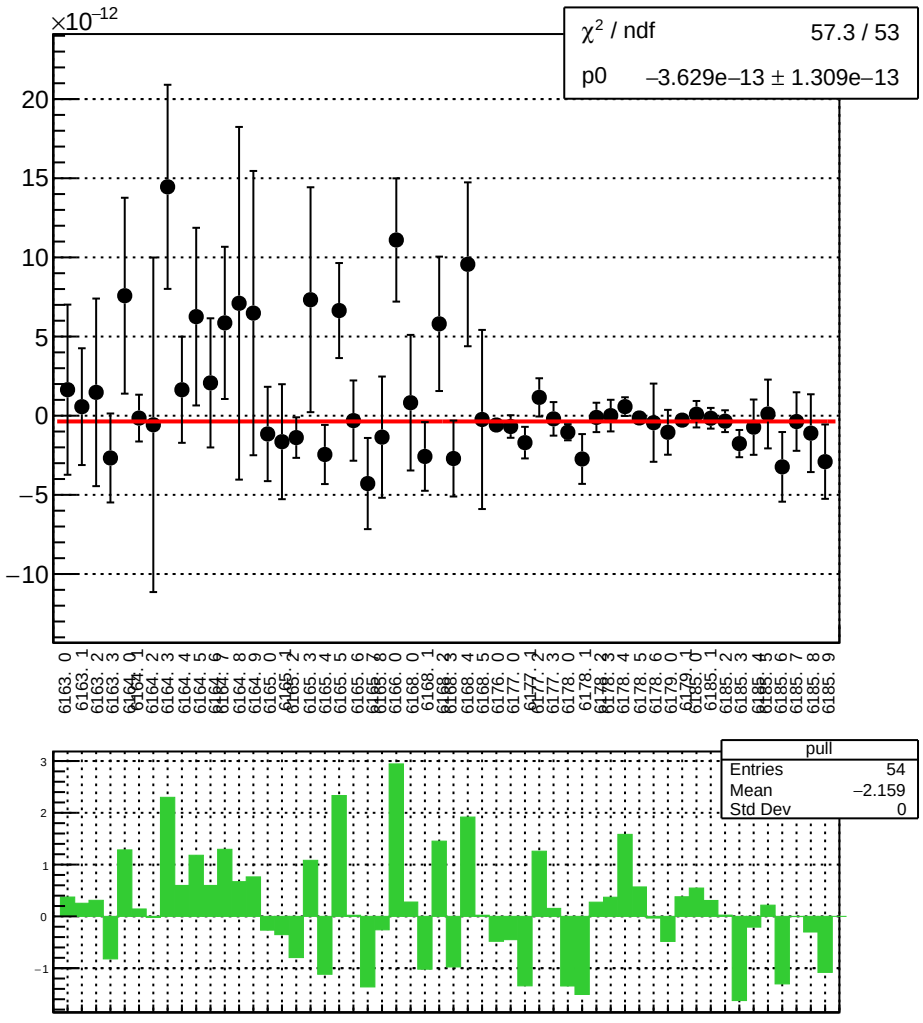

pull1D
Entries 54
Mean 0.0548
Std Dev 1.035

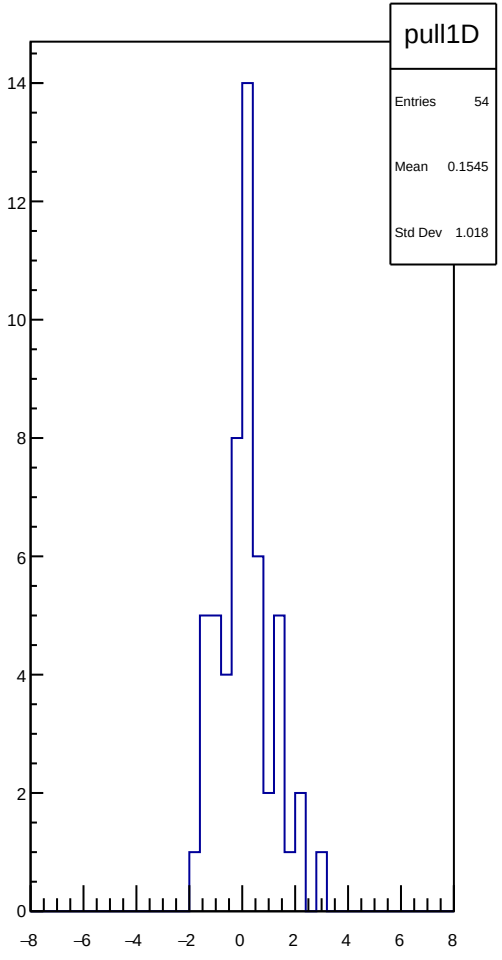

asym_sam_48_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 7.238e+04 / 53
p0 61.43 ± 0.06267
140
120
100
80
60
40
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

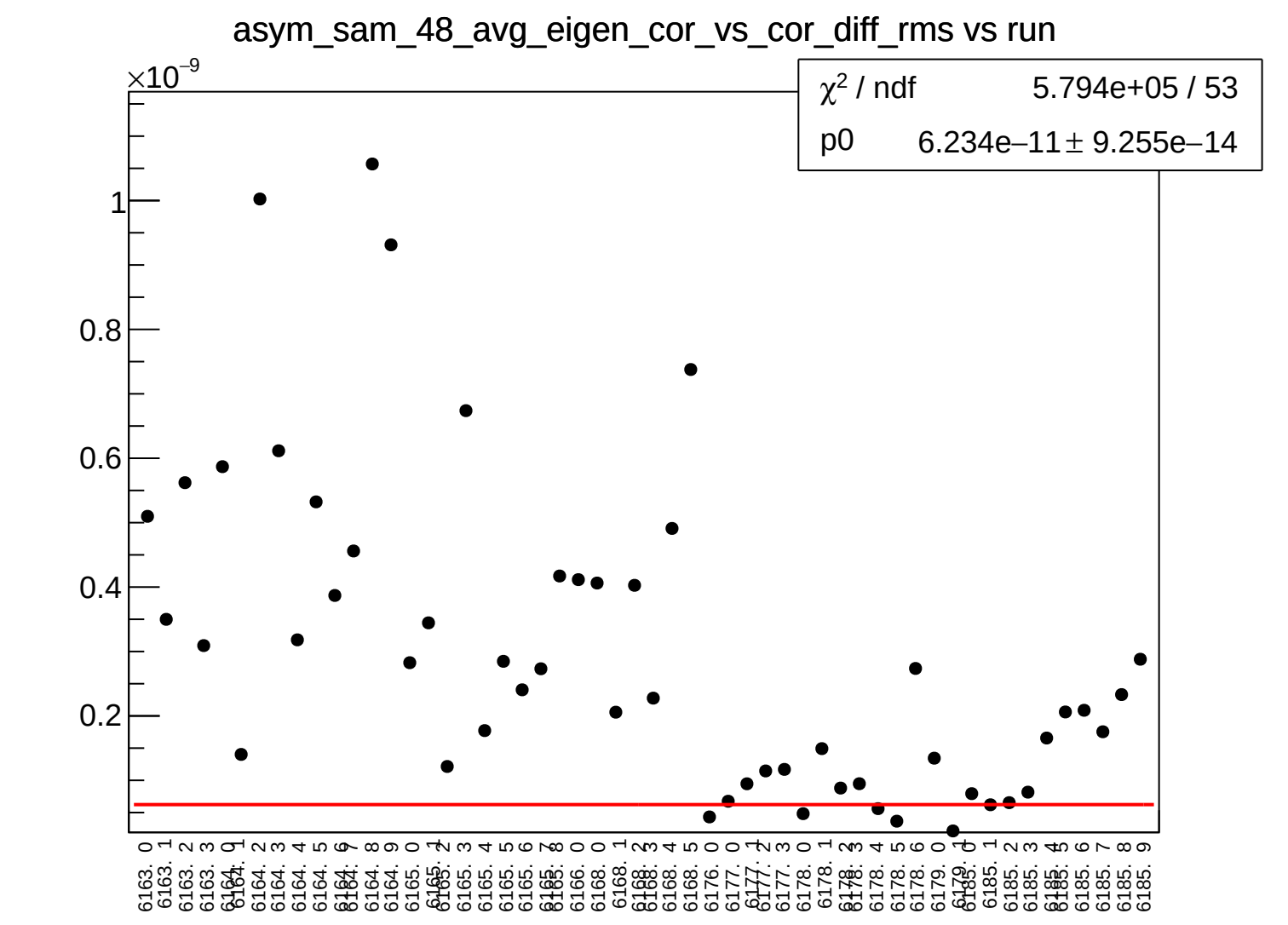

asym_sam_48_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 58.01 / 53
p0 0.1185 ± 0.08863
pull
Entries 54
Mean 52.85
Std Dev 0

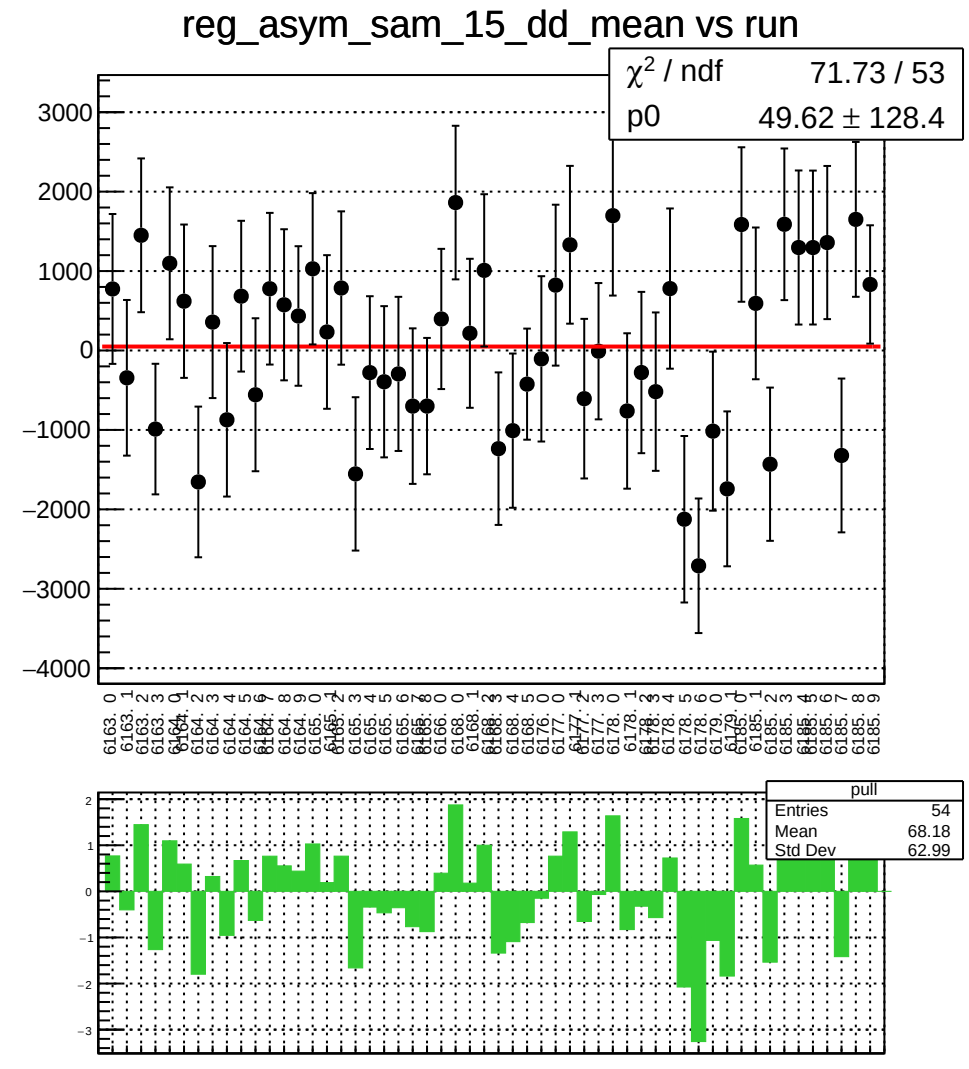

pull1D
Entries 54
Mean 0.0548
Std Dev 1.035

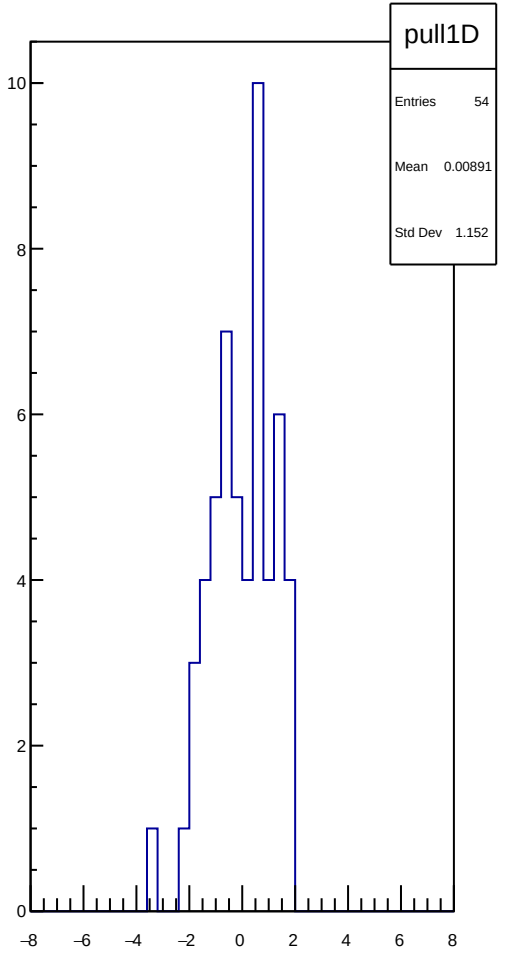

asym_sam_48_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.238e+04 / 53
p0 61.43 ± 0.06267
140
120
100
80
60
40
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

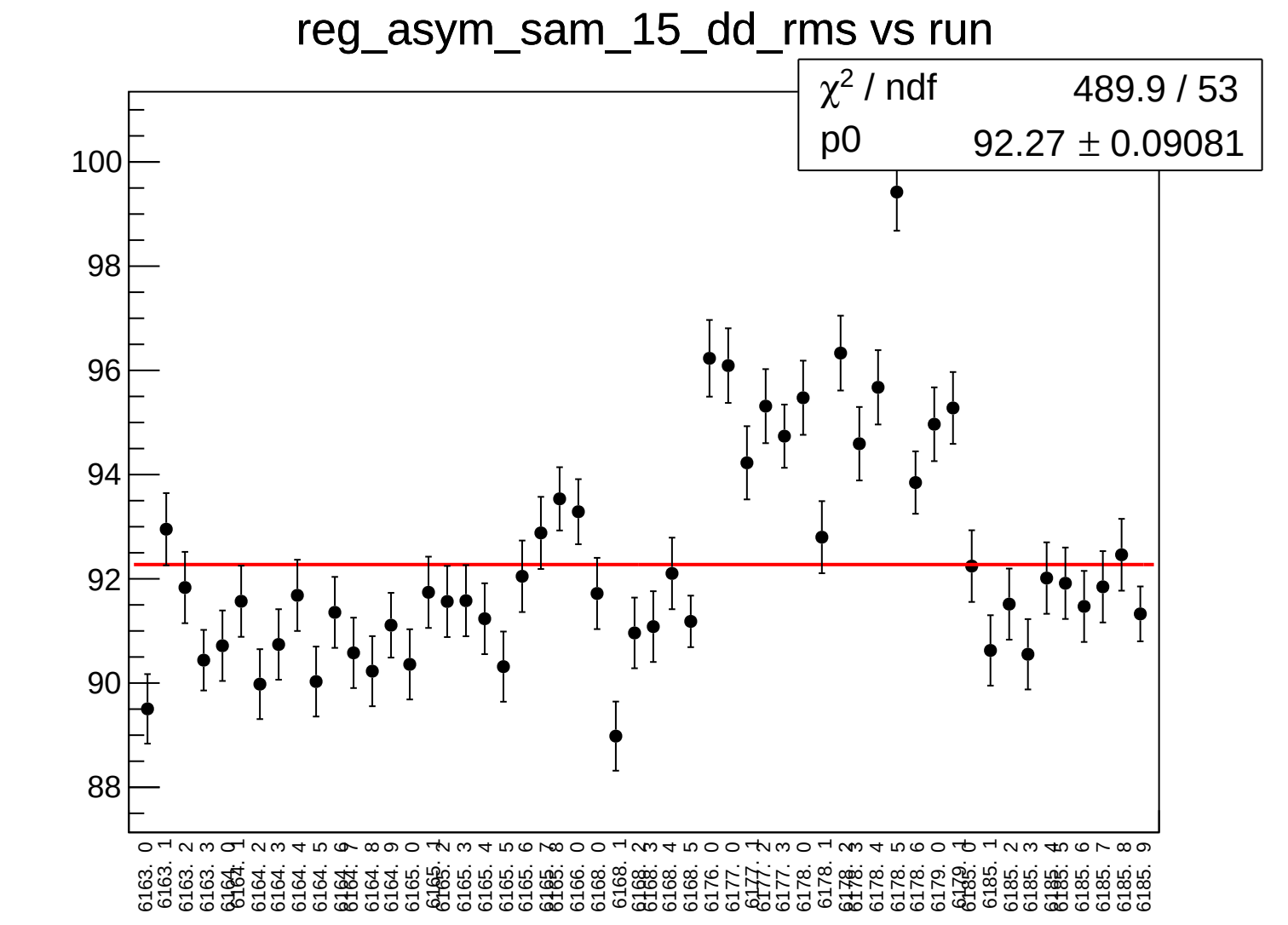

asym_sam_48_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 57.3 / 53
p0 −3.629e−13 ± 1.309e−13
pull
Entries 54
Mean −2.159
Std Dev 0

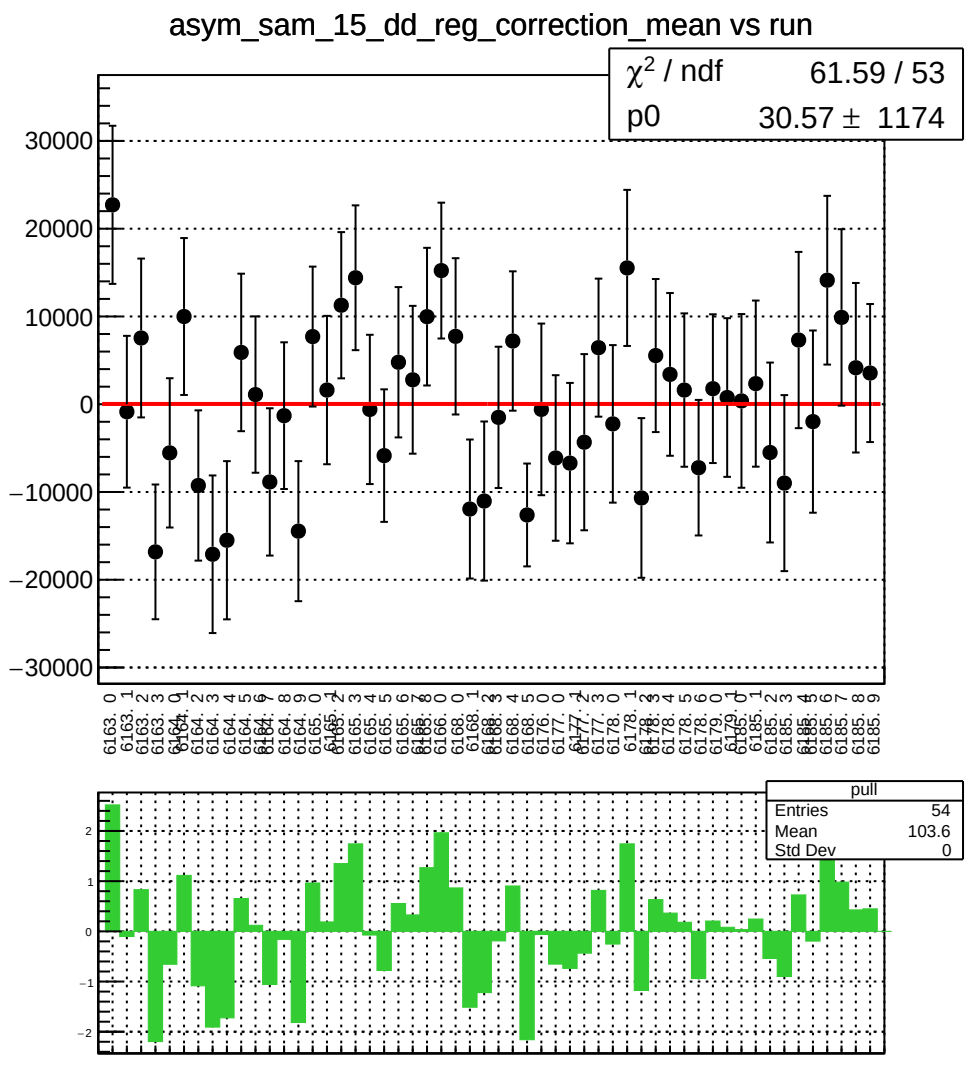

pull1D
Entries 54
Mean 0.1545
Std Dev 1.018

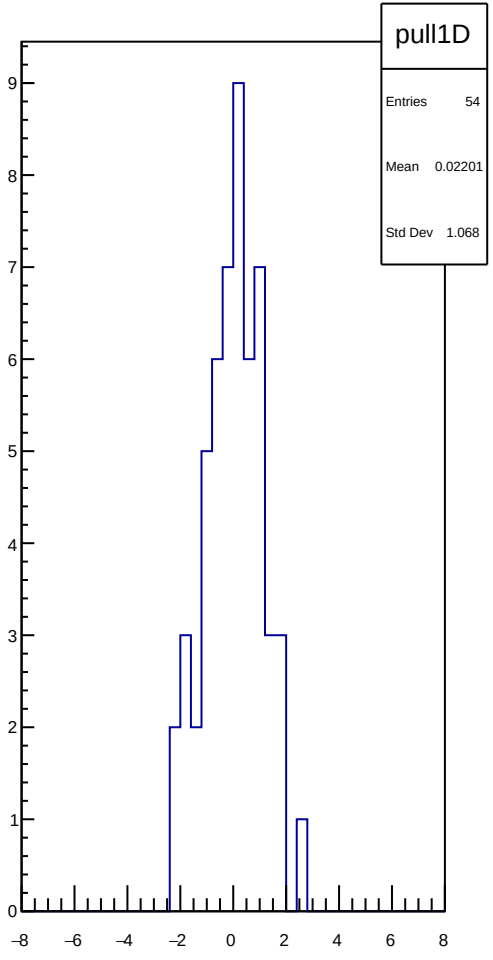

asym_sam_48_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.794e+05 / 53
p0 6.234e−11 ± 9.255e−14
1
0.8
0.6
0.4
0.2
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

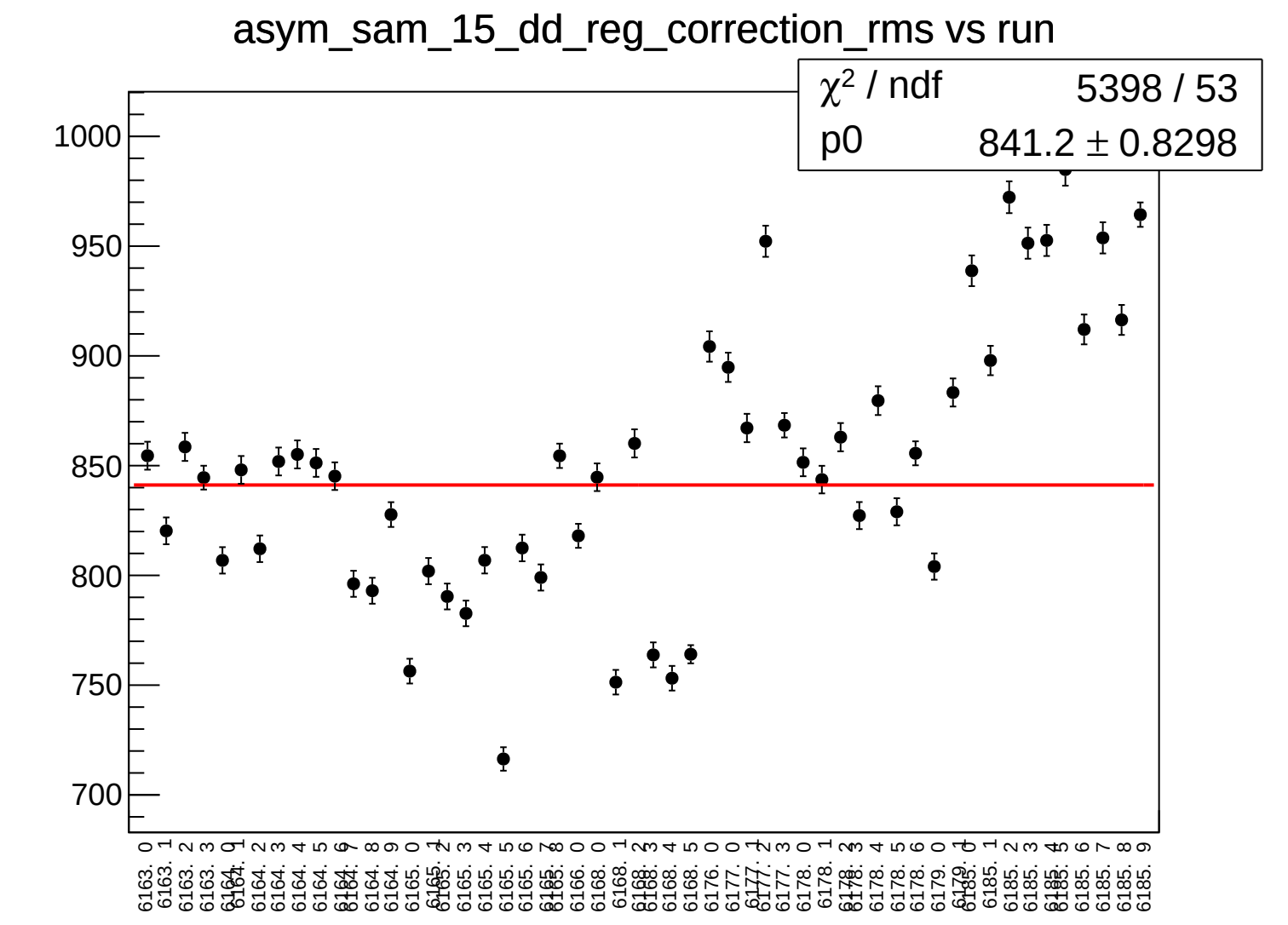

reg_asym_sam_15_dd_mean vs run
χ² / ndf 71.73 / 53
p0 49.62 ± 128.4
pull
Entries 54
Mean 68.18
Std Dev 62.99

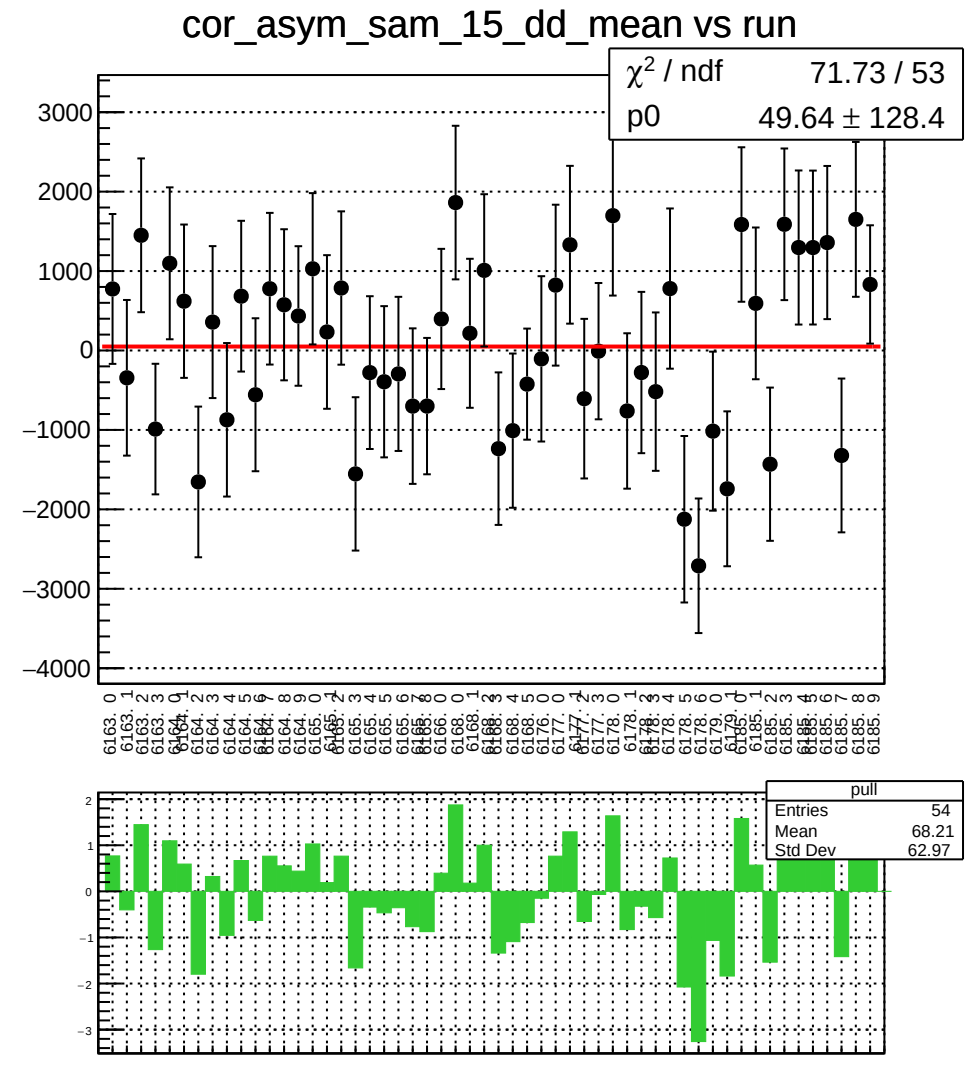

pull1D
Entries 54
Mean 0.00891
Std Dev 1.152

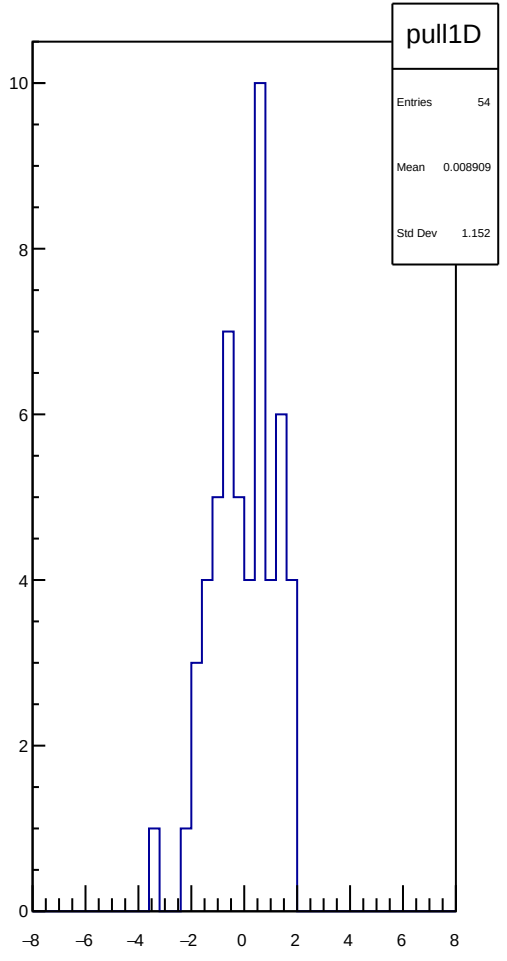

reg_asym_sam_15_dd_rms vs run
χ^2 / ndf 489.9 / 53
p0 92.27 ± 0.09081
100
98
96
94
92
90
88
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

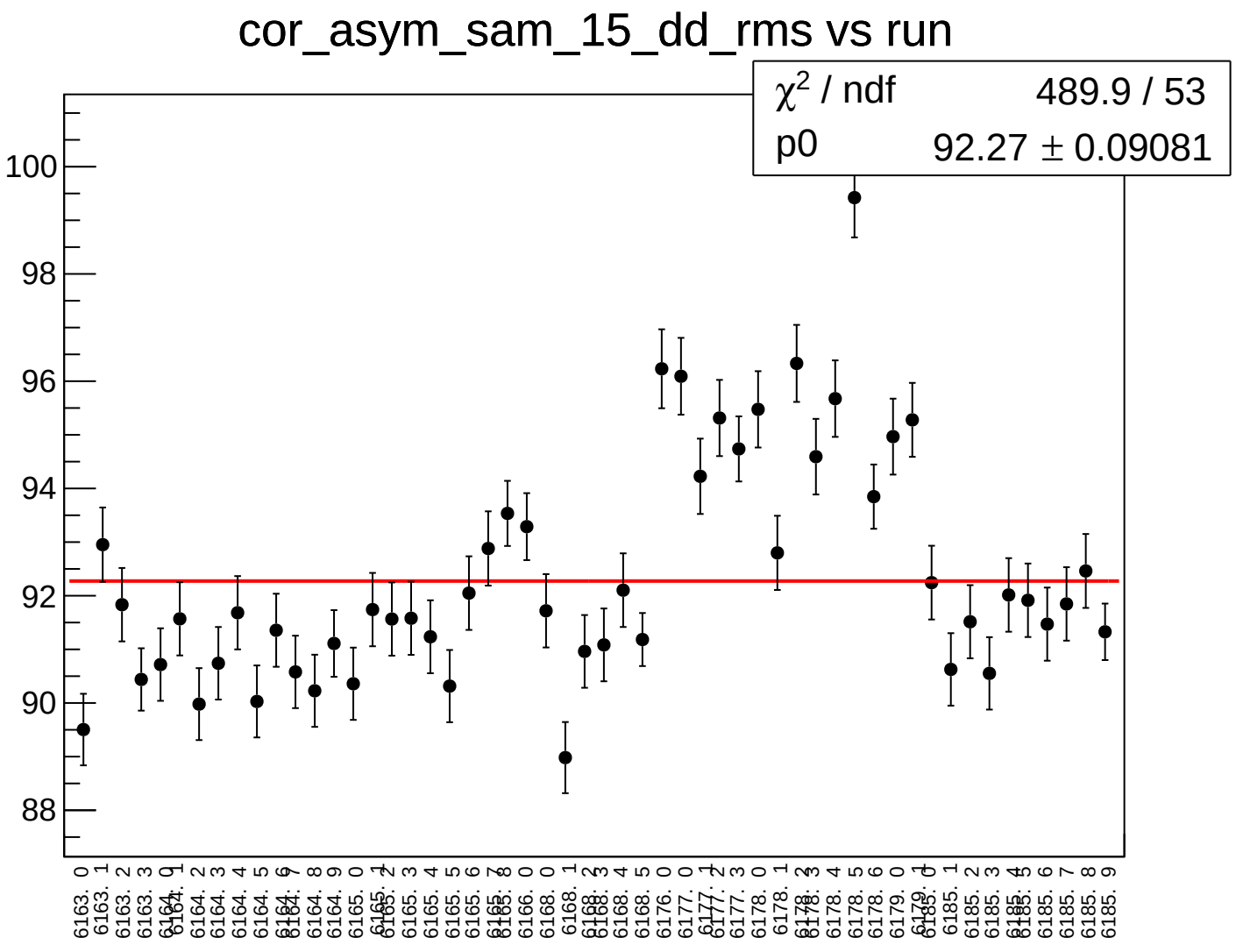

asym_sam_15_dd_reg_correction_mean vs run
χ² / ndf 61.59 / 53
p0 30.57 ± 1174
pull
Entries 54
Mean 103.6
Std Dev 0

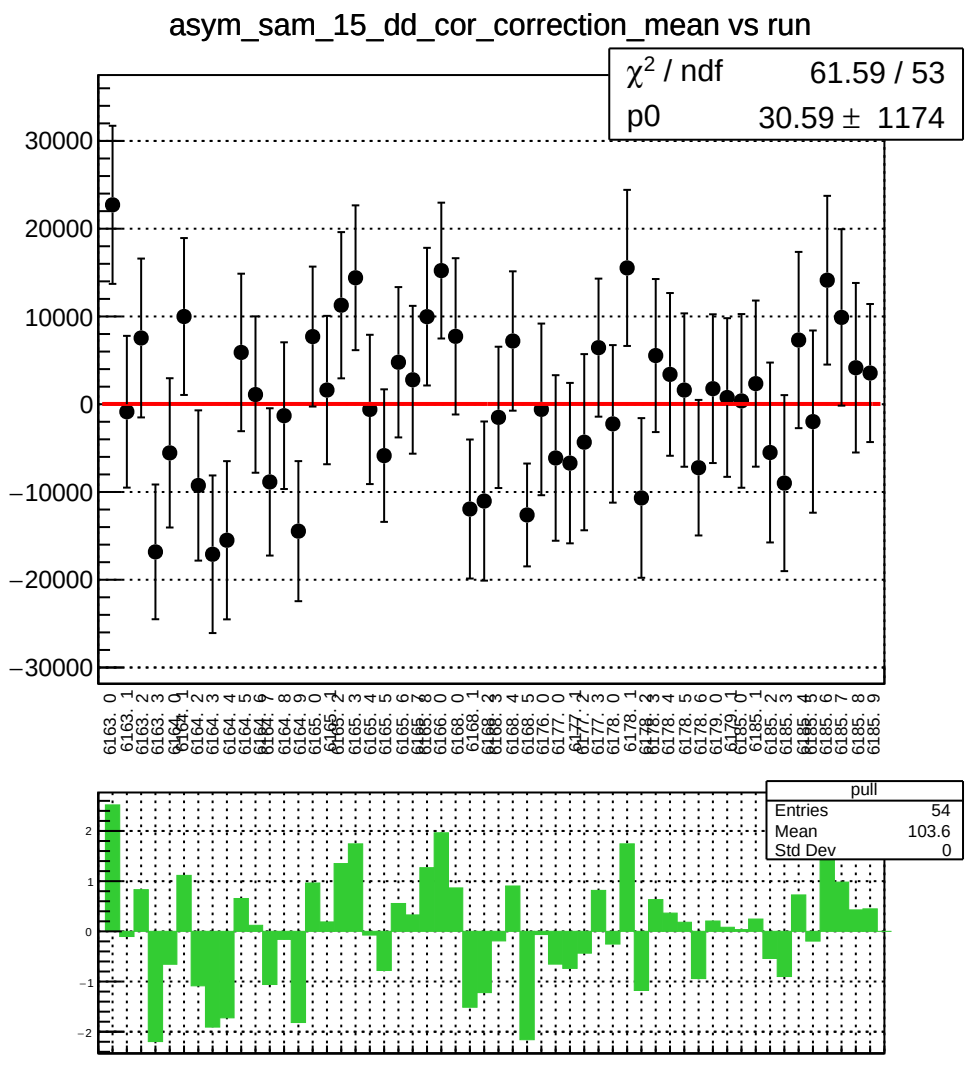

pull1D
Entries 54
Mean 0.02201
Std Dev 1.068

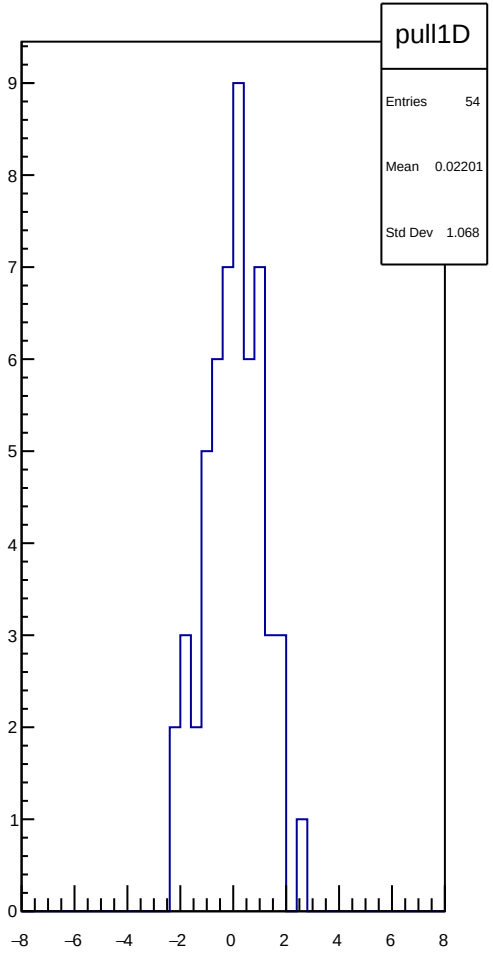

asym_sam_15_dd_reg_correction_rms vs run
χ² / ndf 5398 / 53
p0 841.2 ± 0.8298
1000
950
900
850
800
750
700
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

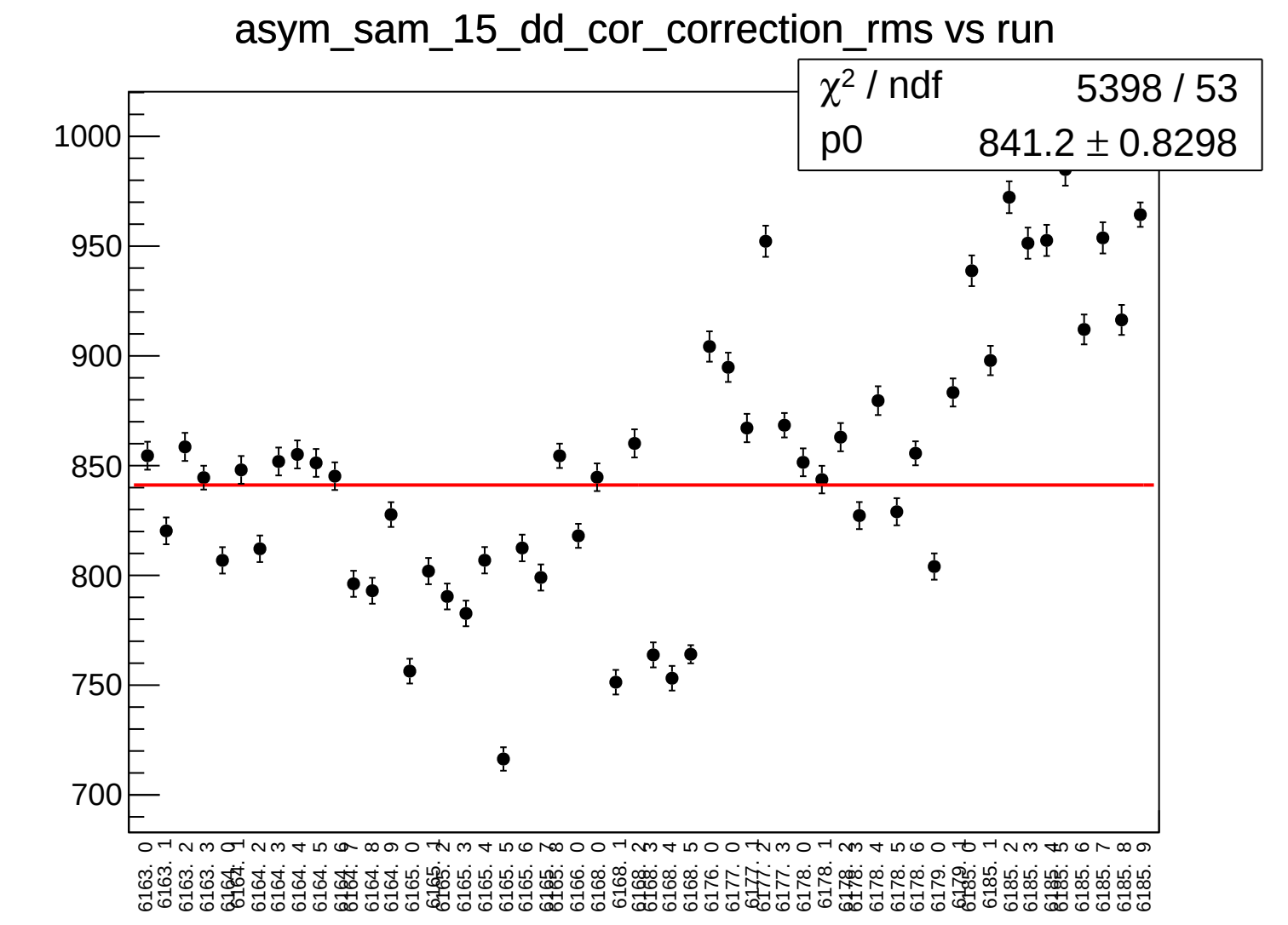

cor_asym_sam_15_dd_mean vs run
χ² / ndf 71.73 / 53
p0 49.64 ± 128.4
pull
Entries 54
Mean 68.21
Std Dev 62.97

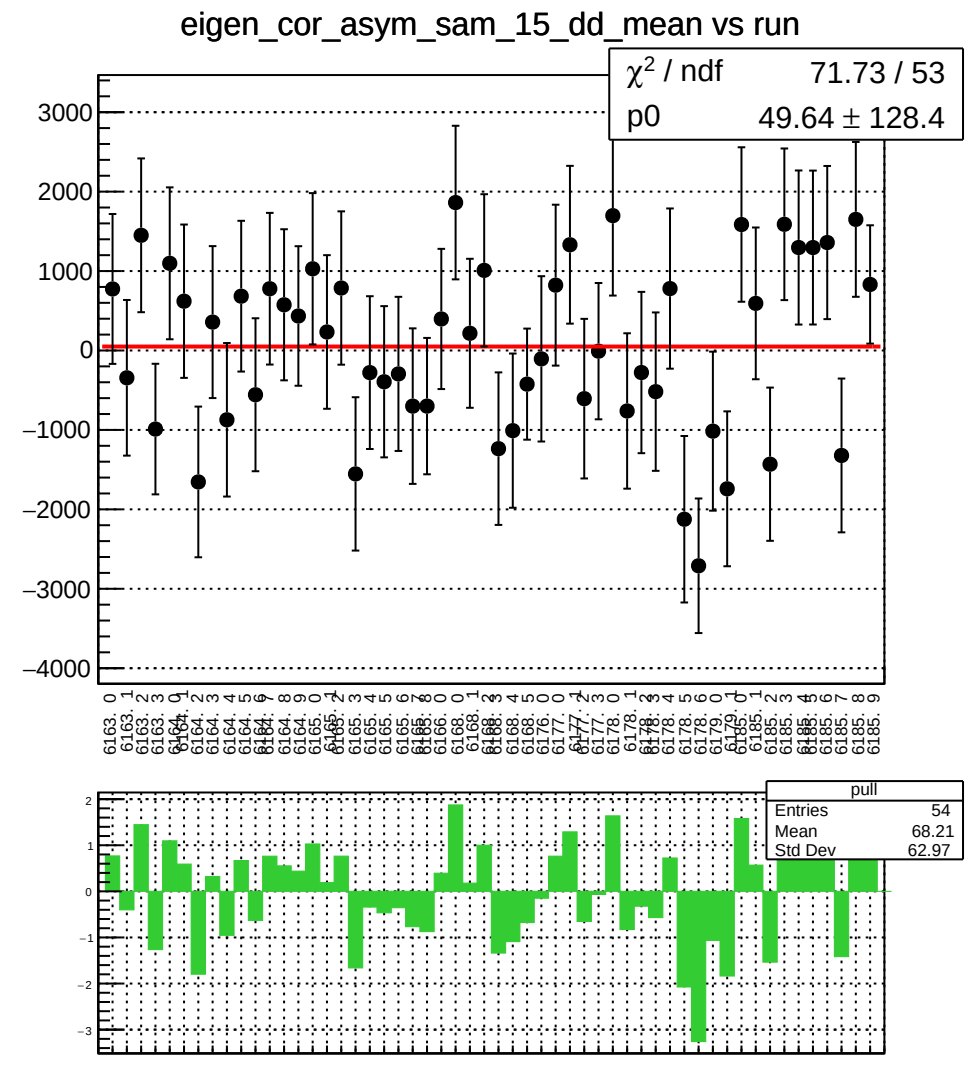

pull1D
Entries 54
Mean 0.008909
Std Dev 1.152

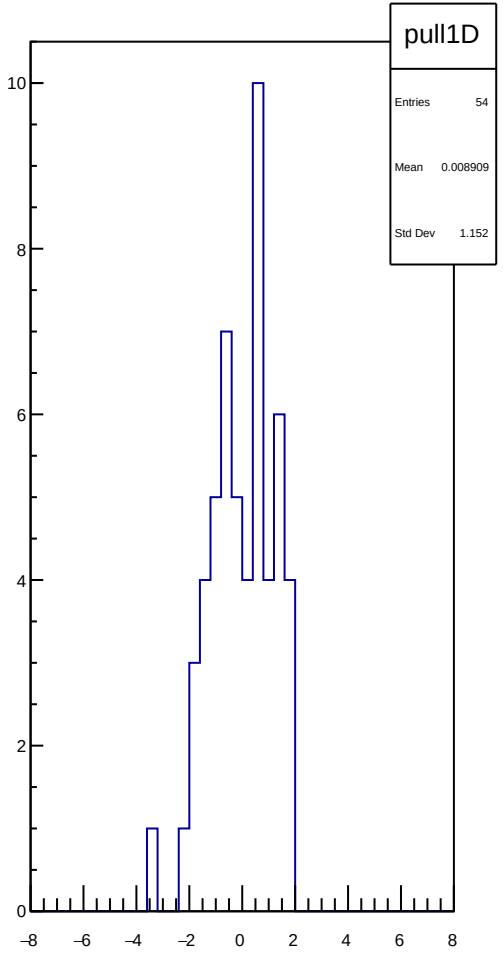

cor_asym_sam_15_dd_rms vs run
χ^2 / ndf 489.9 / 53
p0 92.27 ± 0.09081
100
98
96
94
92
90
88
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

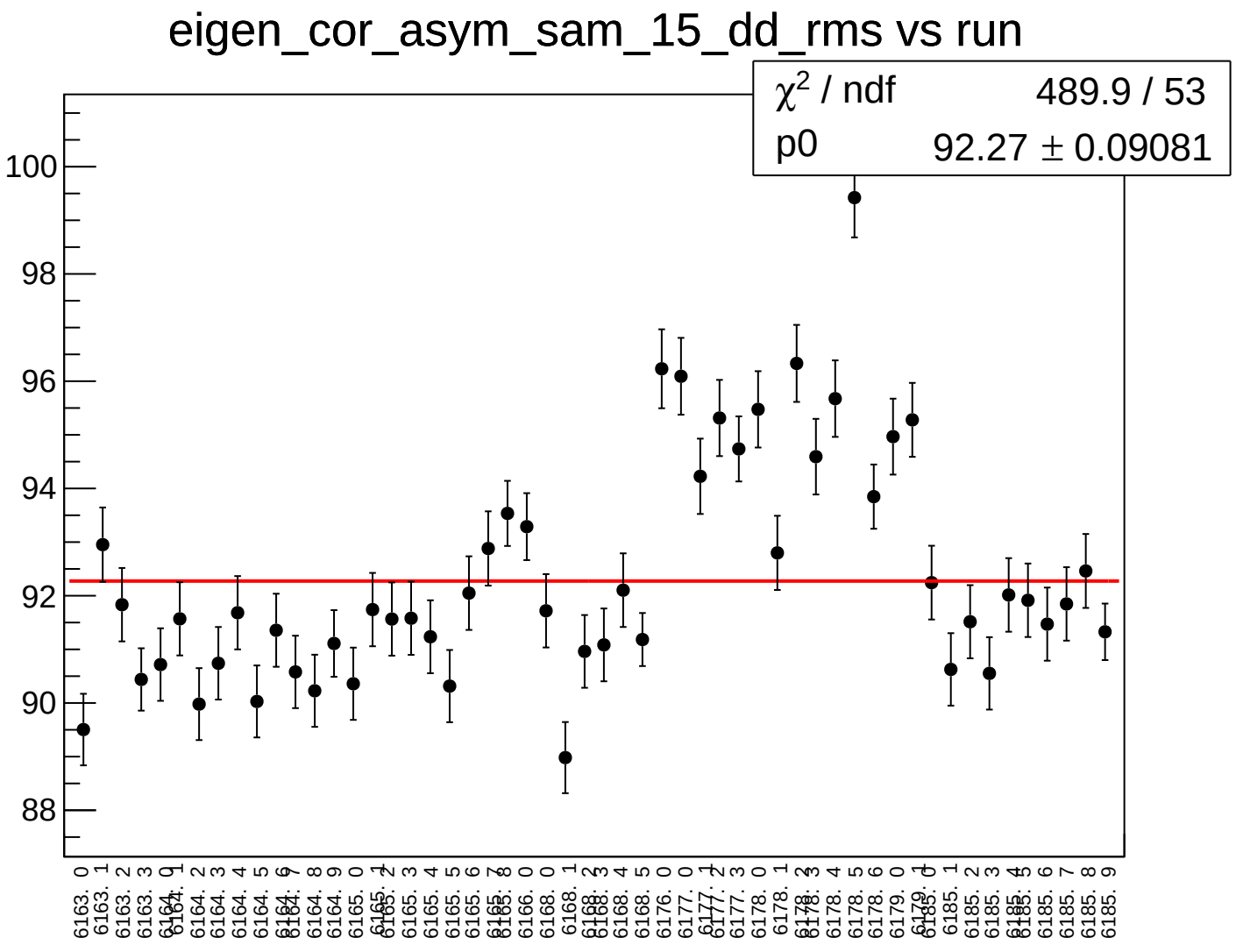

asym_sam_15_dd_cor_correction_mean vs run
χ² / ndf 61.59 / 53
p0 30.59 ± 1174
pull
Entries 54
Mean 103.6
Std Dev 0

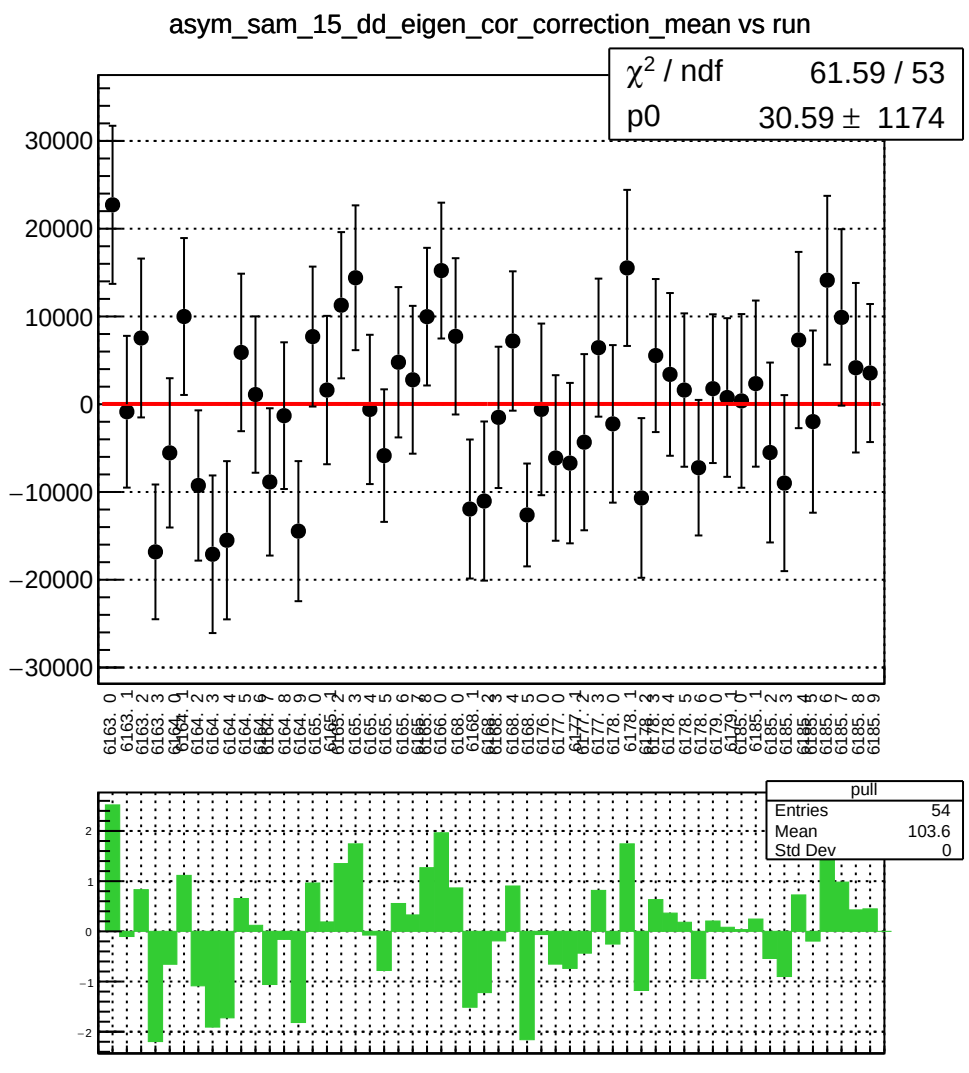

pull1D
Entries 54
Mean 0.02201
Std Dev 1.068

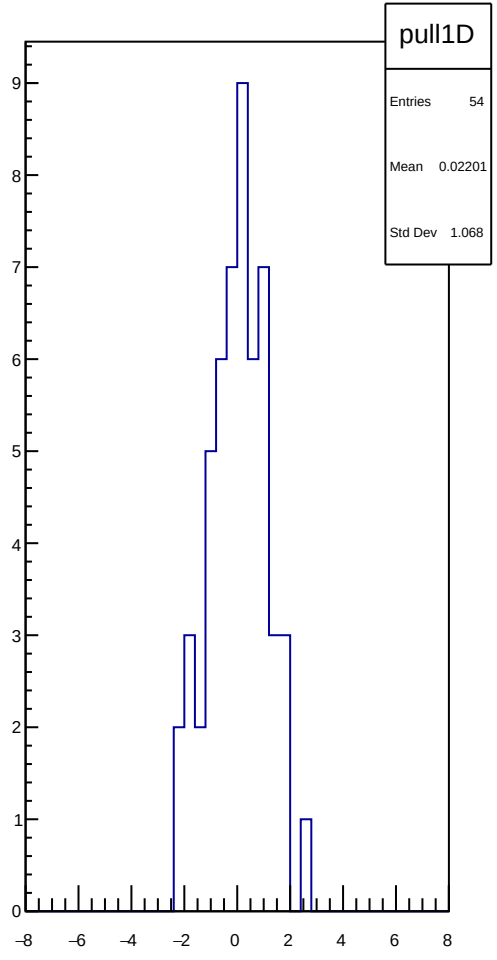

asym_sam_15_dd_cor_correction_rms vs run
χ² / ndf 5398 / 53
p0 841.2 ± 0.8298
1000
950
900
850
800
750
700
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

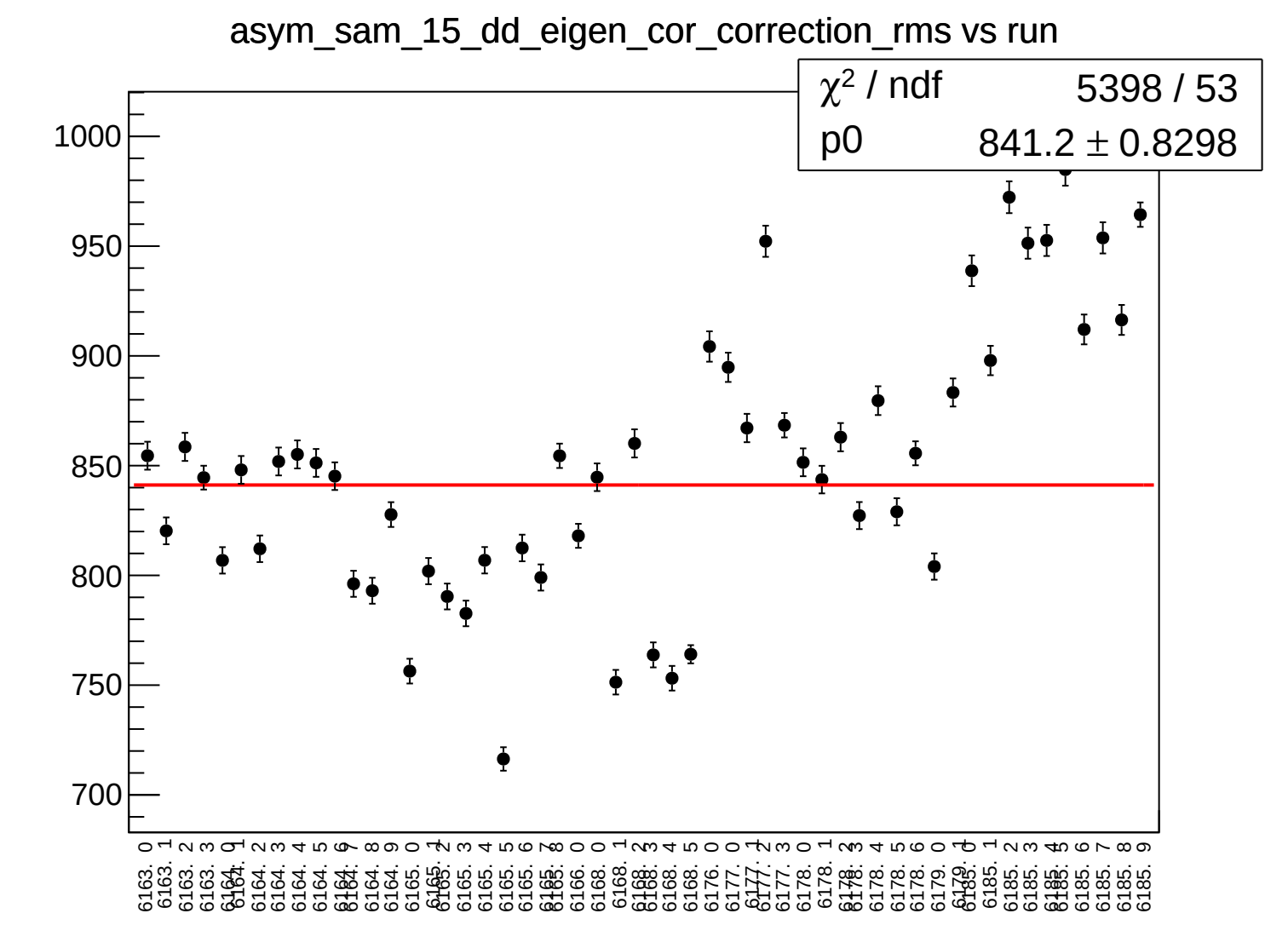

eigen_cor_asym_sam_15_dd_mean vs run
χ² / ndf 71.73 / 53
p0 49.64 ± 128.4
pull
Entries 54
Mean 68.21
Std Dev 62.97

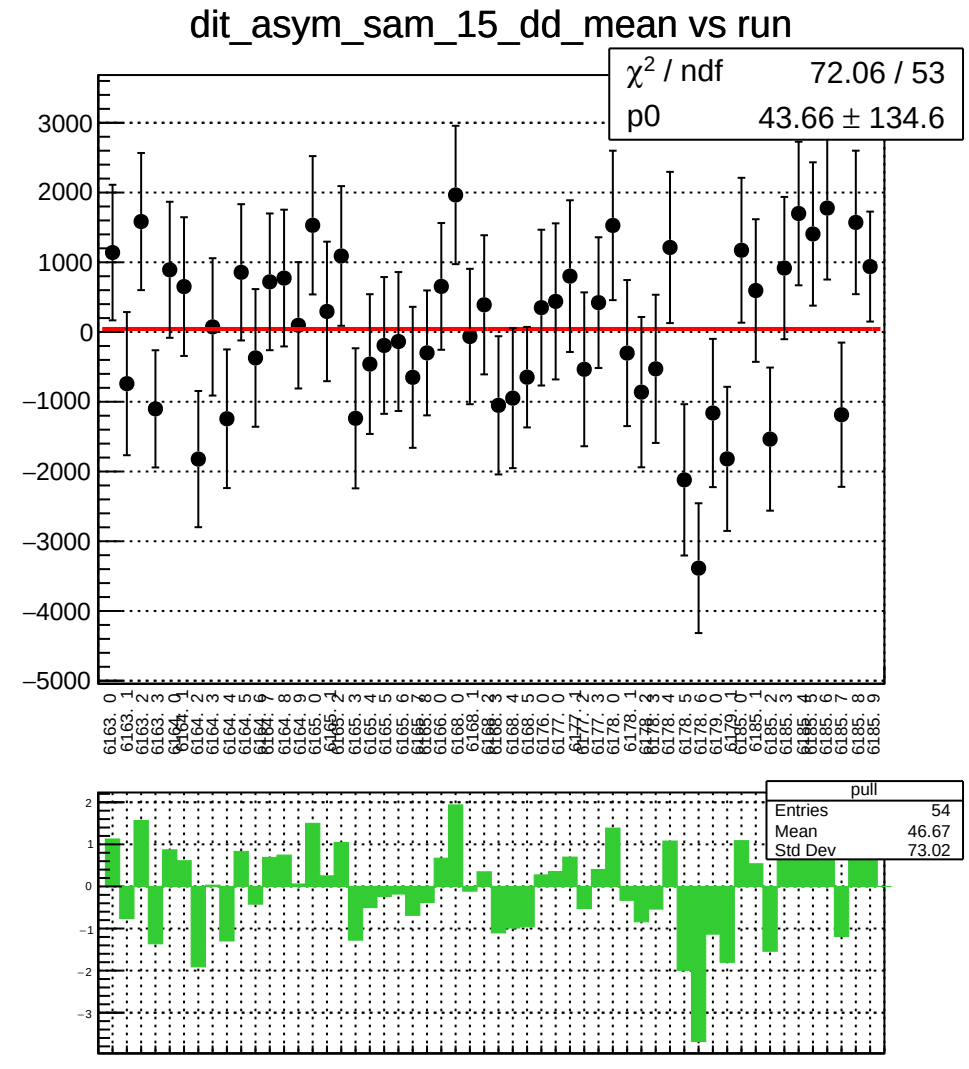

pull1D
Entries 54
Mean 0.008909
Std Dev 1.152

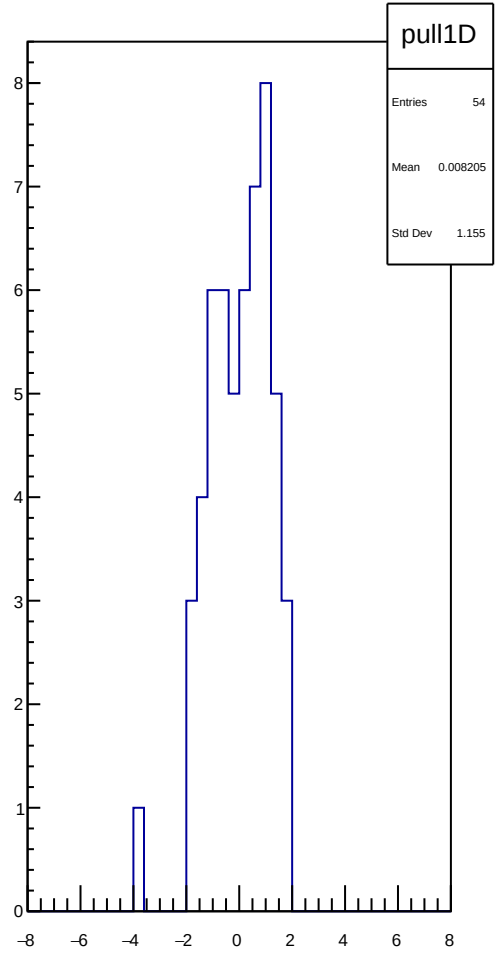

eigen_cor_asym_sam_15_dd_rms vs run
χ² / ndf 489.9 / 53
p0 92.27 ± 0.09081
100
98
96
94
92
90
88
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

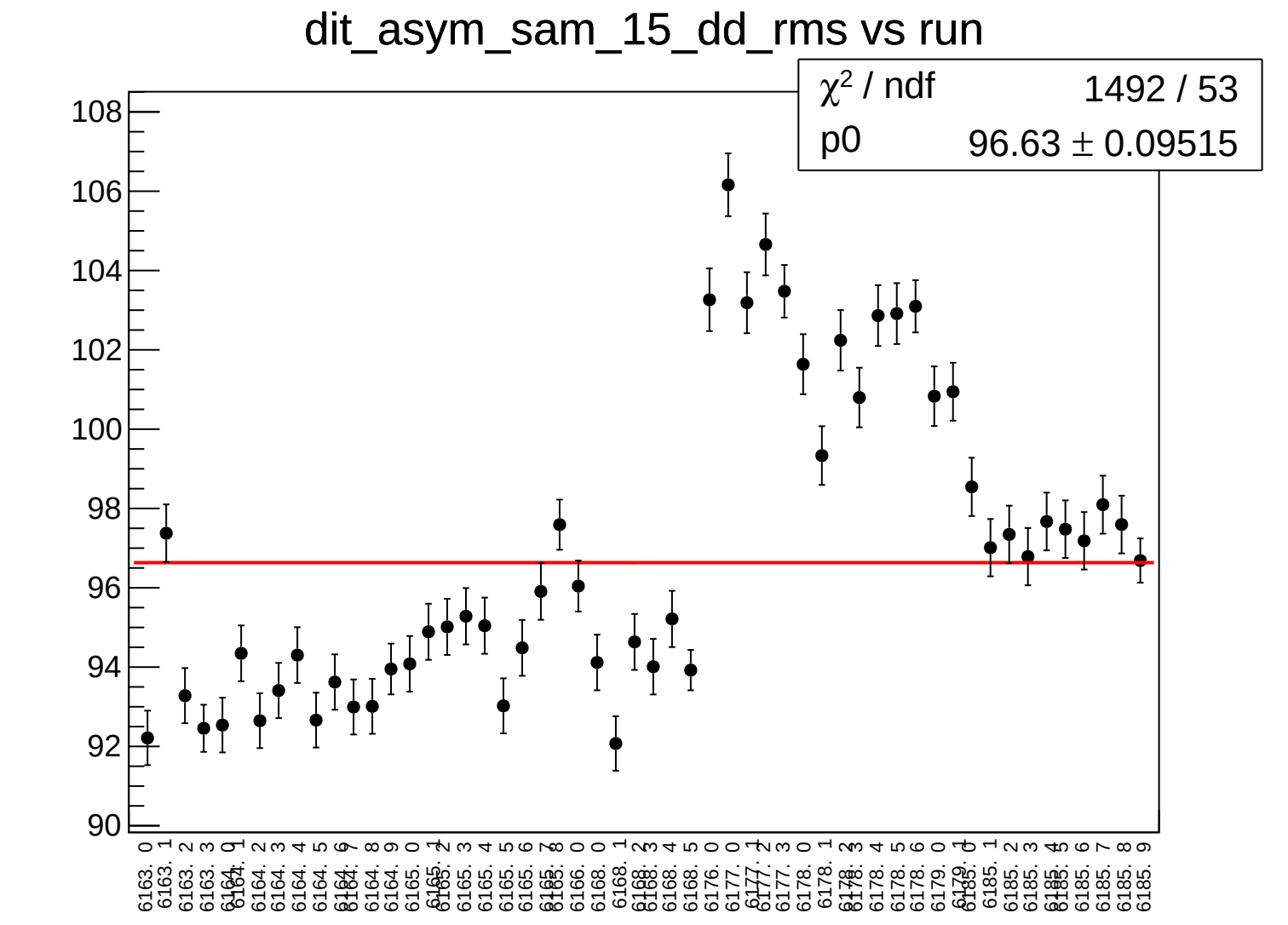

asym_sam_15_dd_eigen_cor_correction_mean vs run
χ² / ndf 61.59 / 53
p0 30.59 ± 1174
pull
Entries 54
Mean 103.6
Std Dev 0


pull1D
Entries 54
Mean 0.02201
Std Dev 1.068


asym_sam_15_dd_eigen_cor_correction_rms vs run
χ² / ndf 5398 / 53
p0 841.2 ± 0.8298
1000
950
900
850
800
750
700
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


dit_asym_sam_15_dd_mean vs run
χ² / ndf 72.06 / 53
p0 43.66 ± 134.6
pull
Entries 54
Mean 46.67
Std Dev 73.02


pull1D
Entries 54
Mean 0.008205
Std Dev 1.155


dit_asym_sam_15_dd_rms vs run
χ² / ndf 1492 / 53
p0 96.63 ± 0.09515
108
106
104
102
100
98
96
94
92
90
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
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6179. 0
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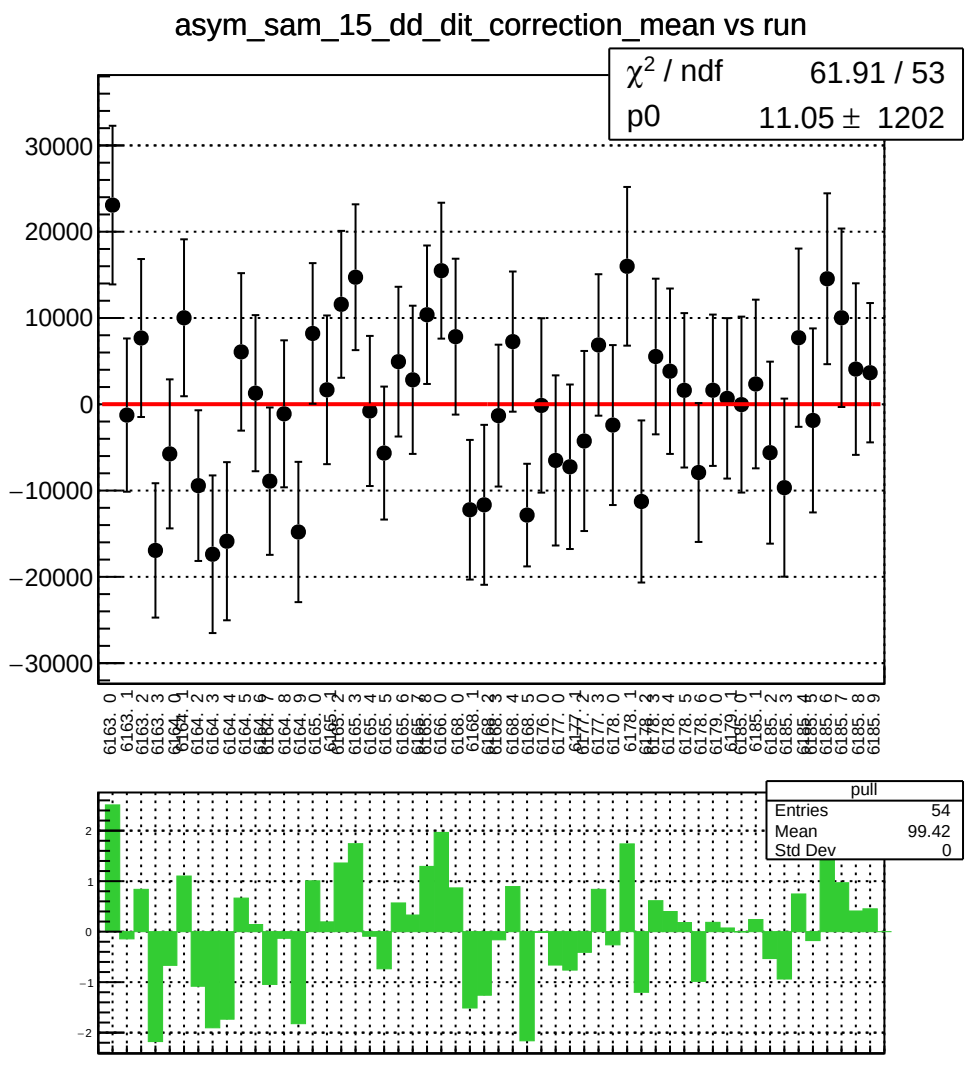
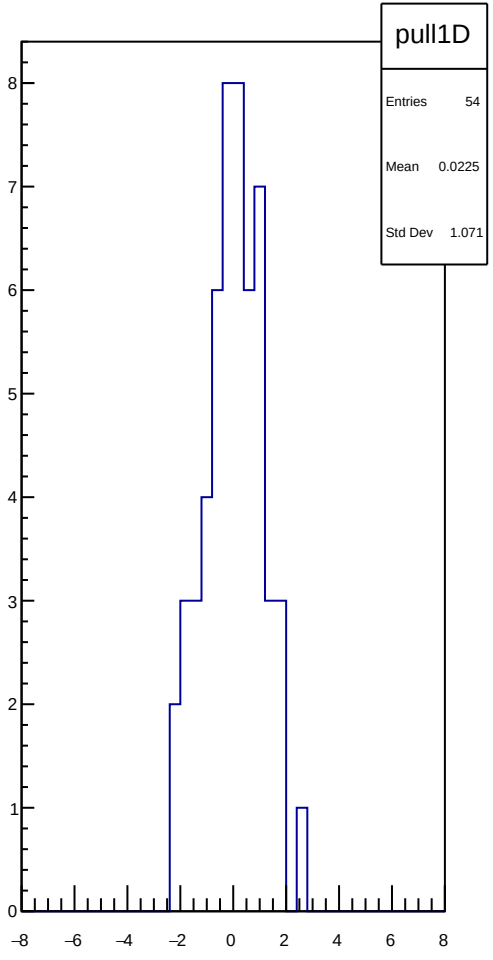
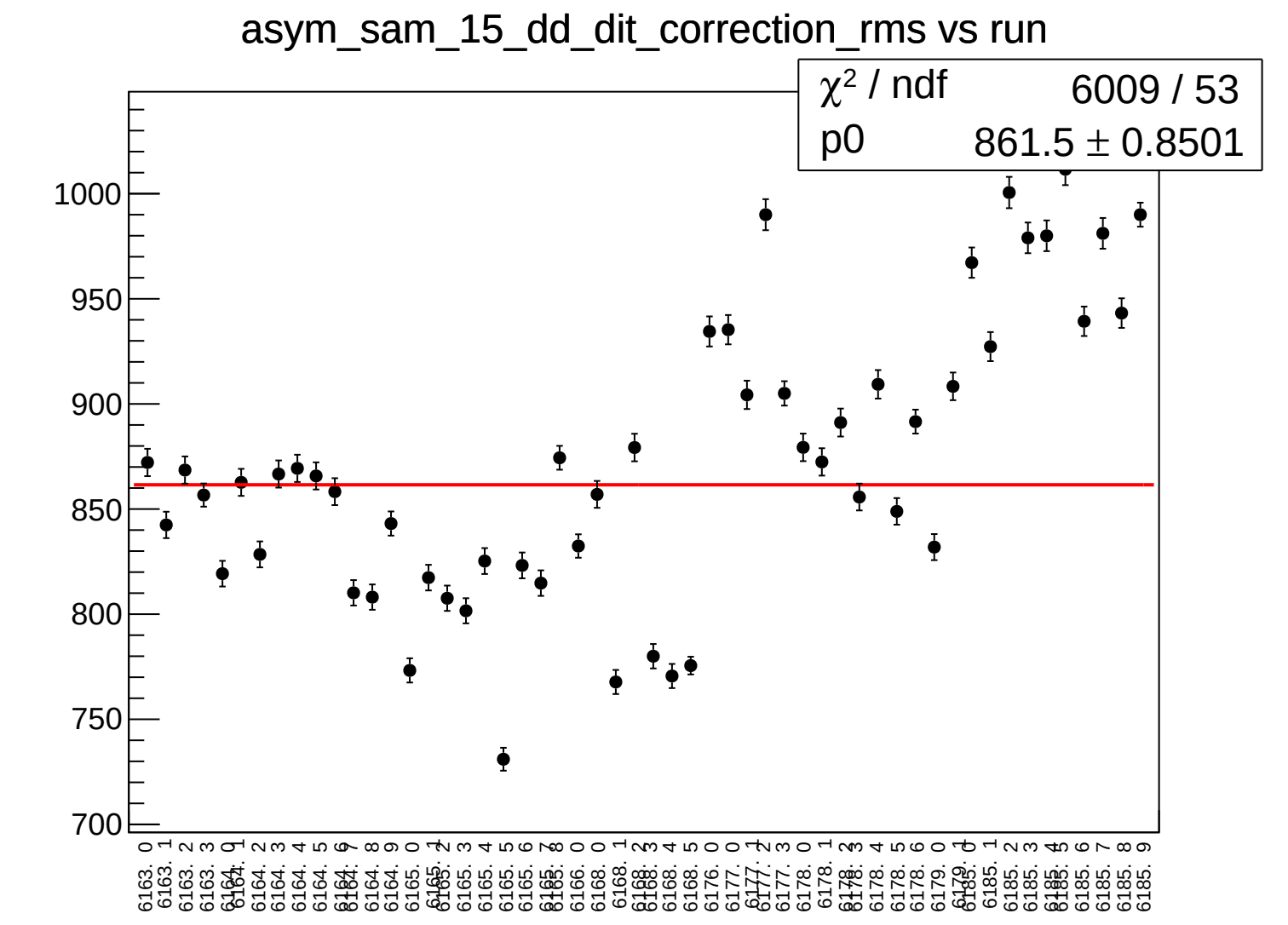
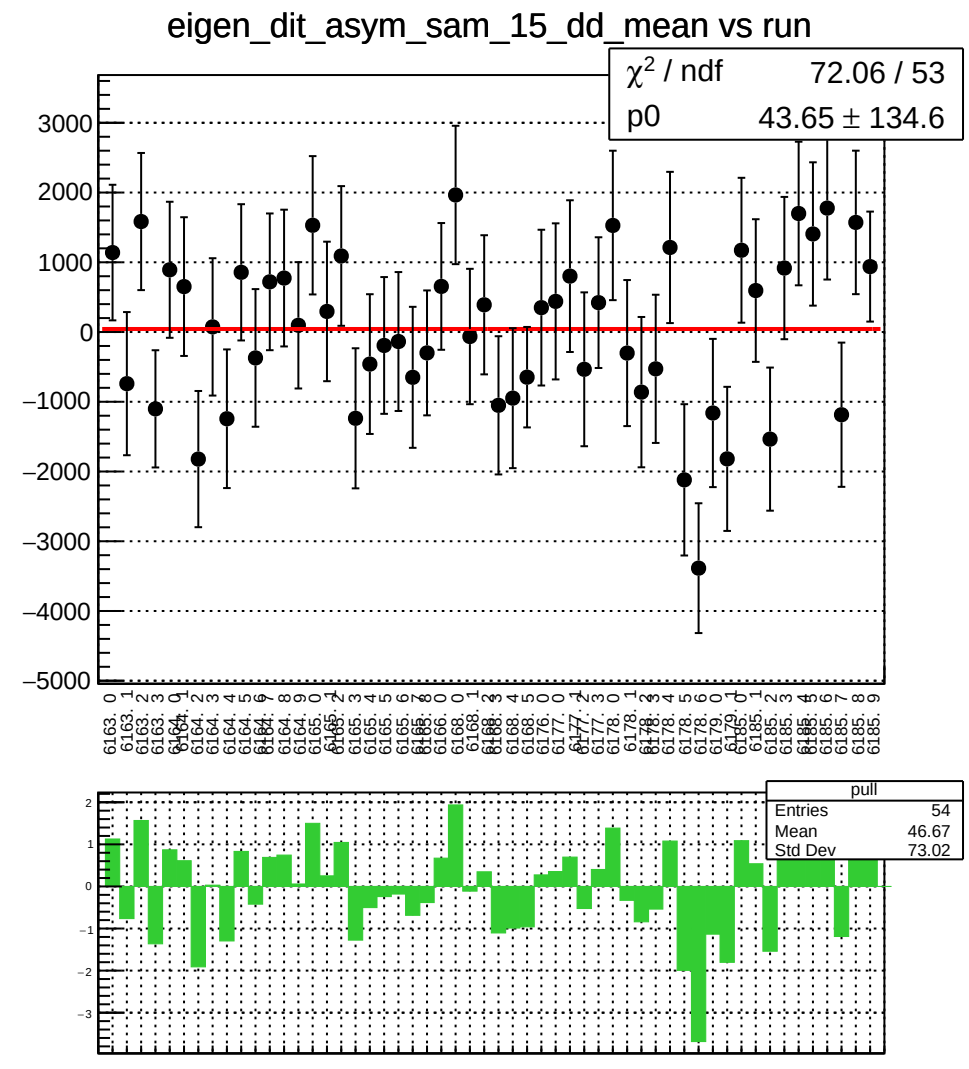
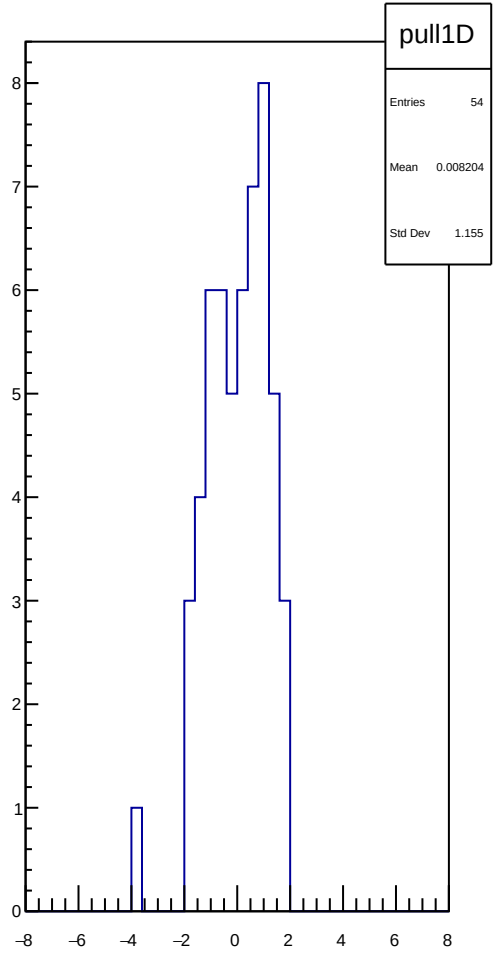
6185. 9

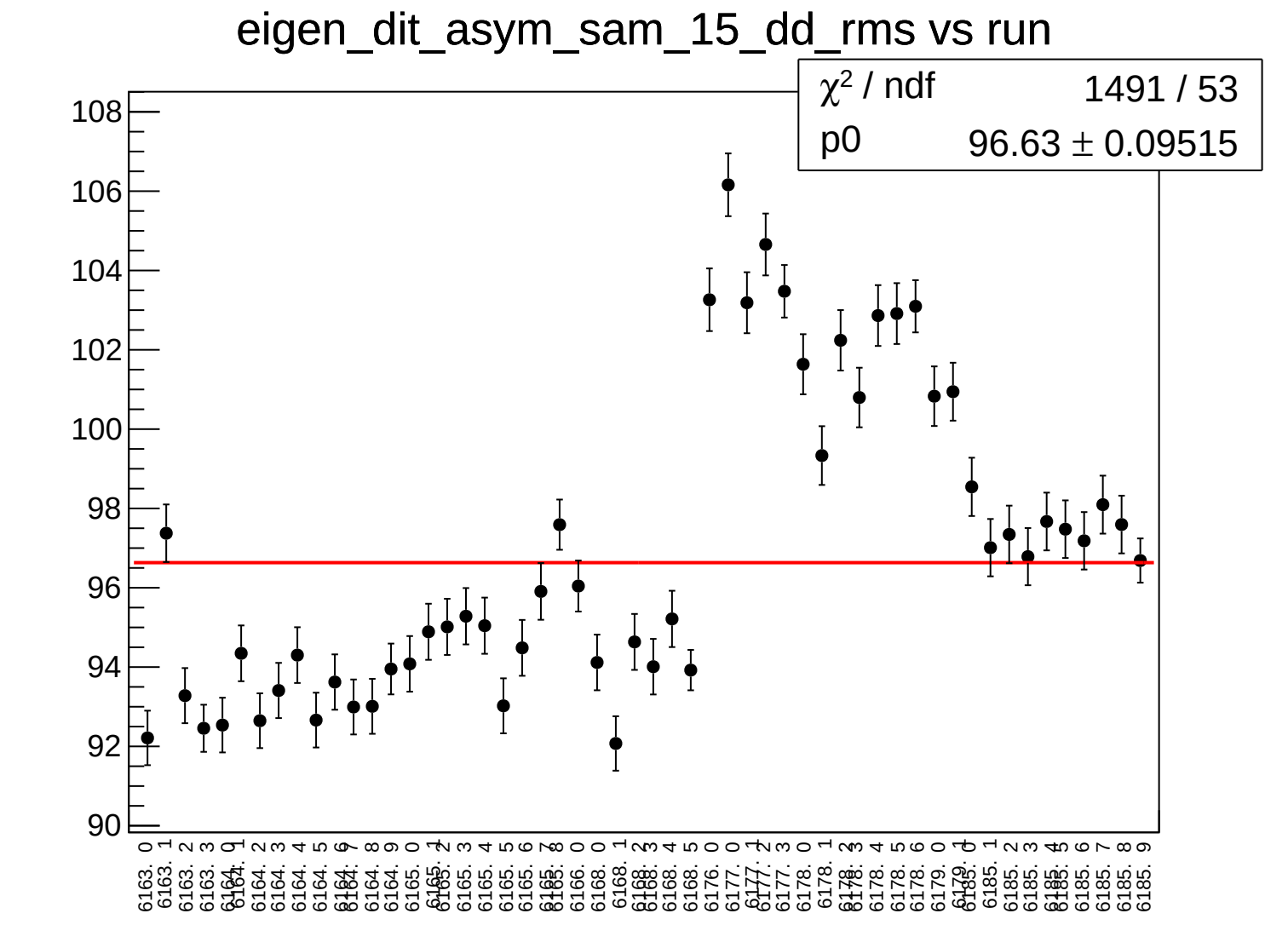

asym_sam_15_dd_dit_correction_mean vs run
χ² / ndf 61.91 / 53
p0 11.05 ± 1202
pull
Entries 54
Mean 99.42
Std Dev 0

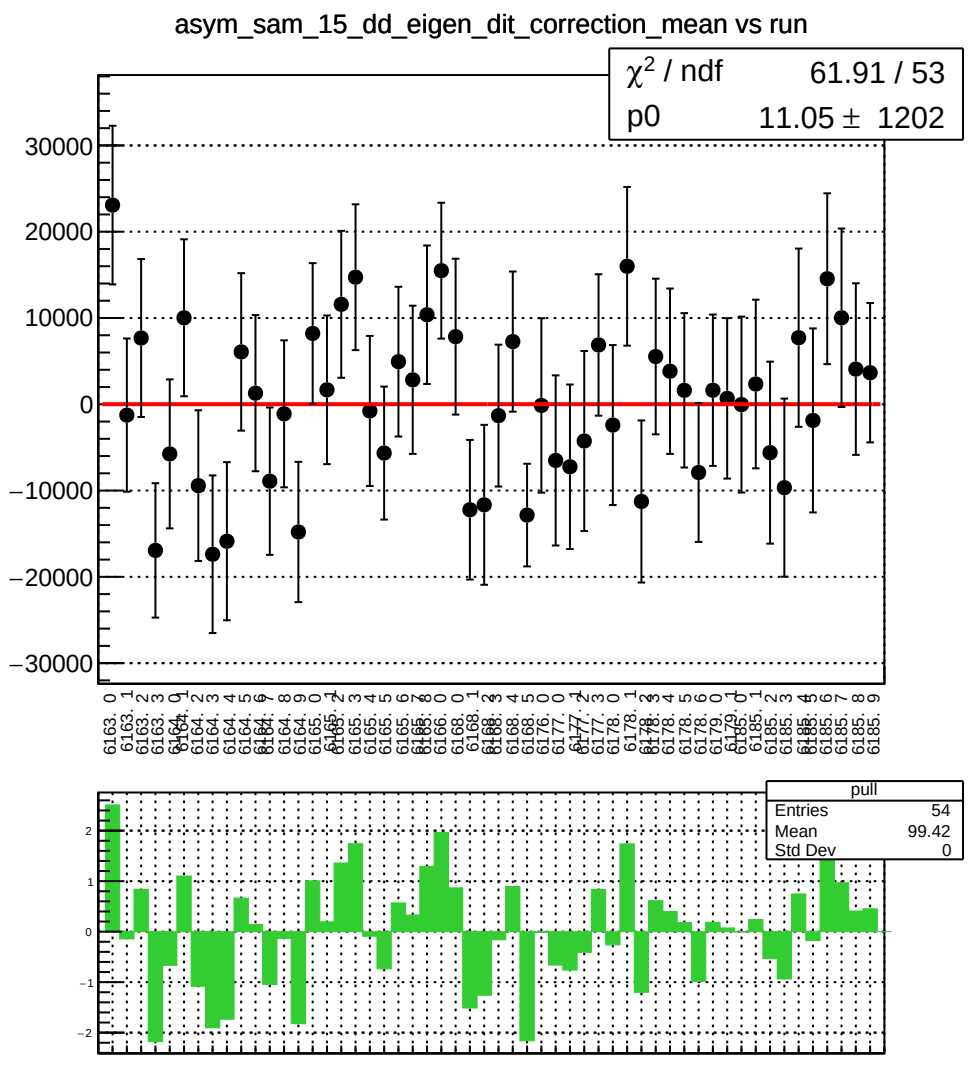

pull1D
Entries 54
Mean 0.0225
Std Dev 1.071

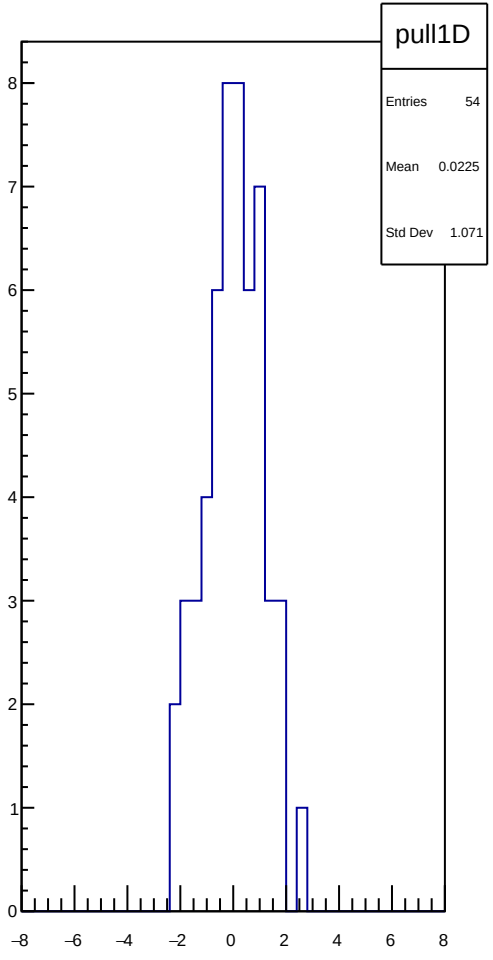

asym_sam_15_dd_dit_correction_rms vs run
χ² / ndf 6009 / 53
p0 861.5 ± 0.8501
1000
950
900
850
800
750
700
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 2
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

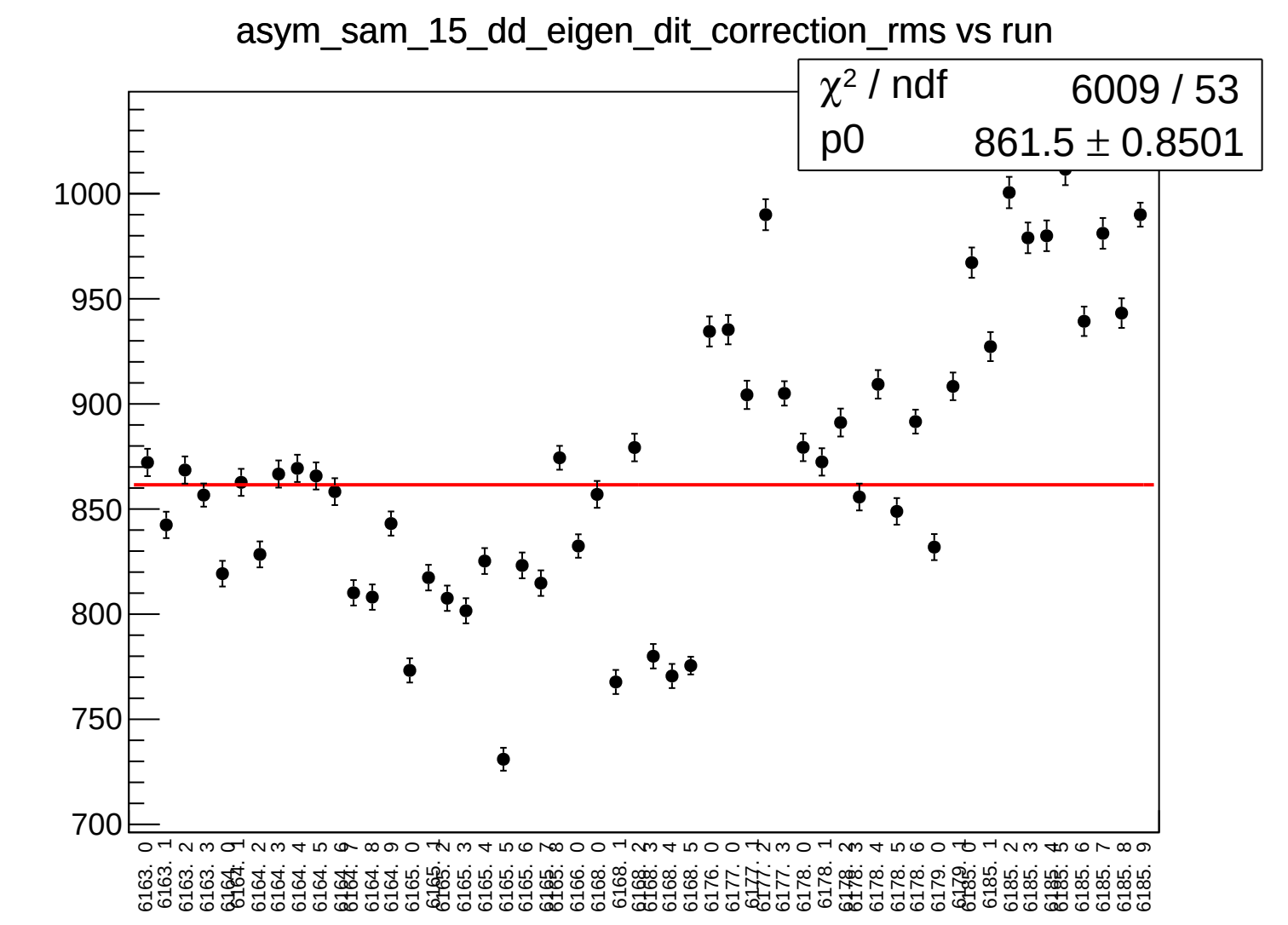

eigen_dit_asym_sam_15_dd_mean vs run
χ² / ndf 72.06 / 53
p0 43.65 ± 134.6
pull
Entries 54
Mean 46.67
Std Dev 73.02

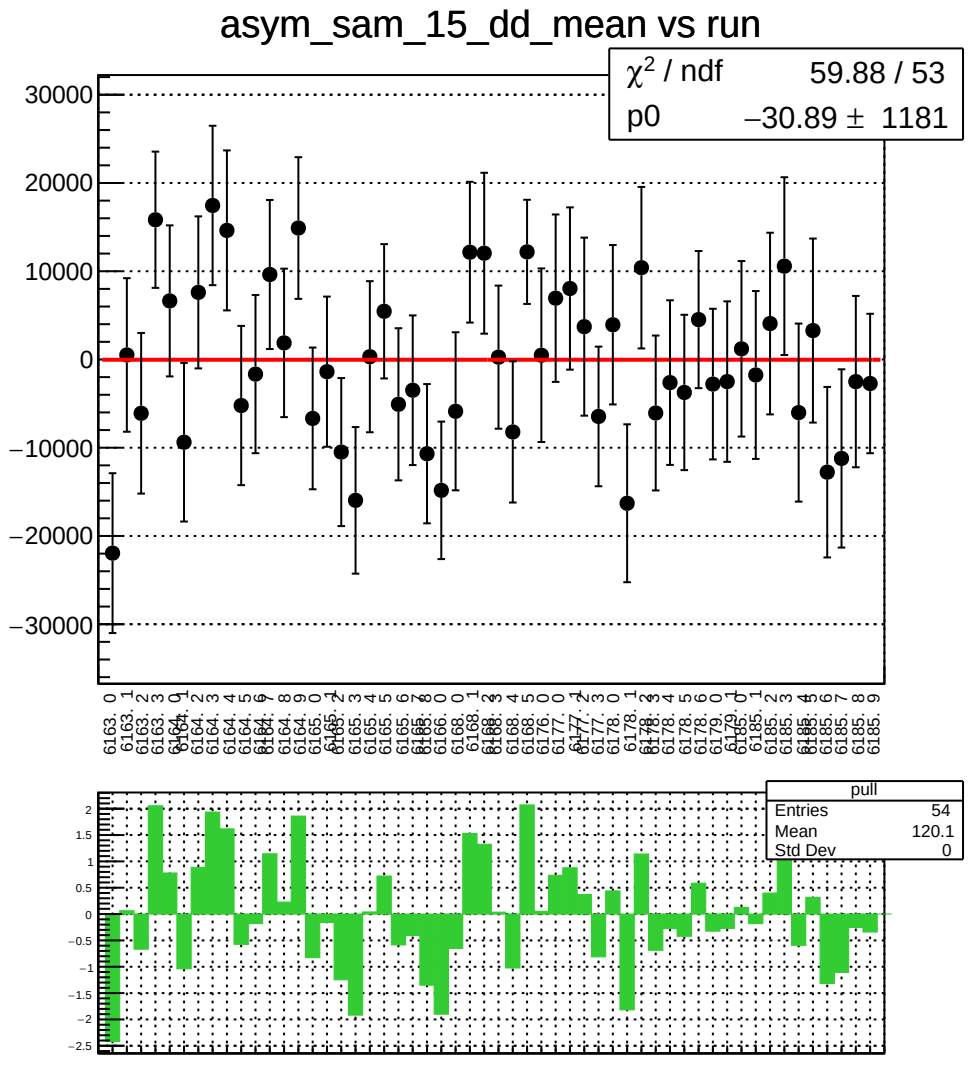

pull1D
Entries 54
Mean 0.008204
Std Dev 1.155

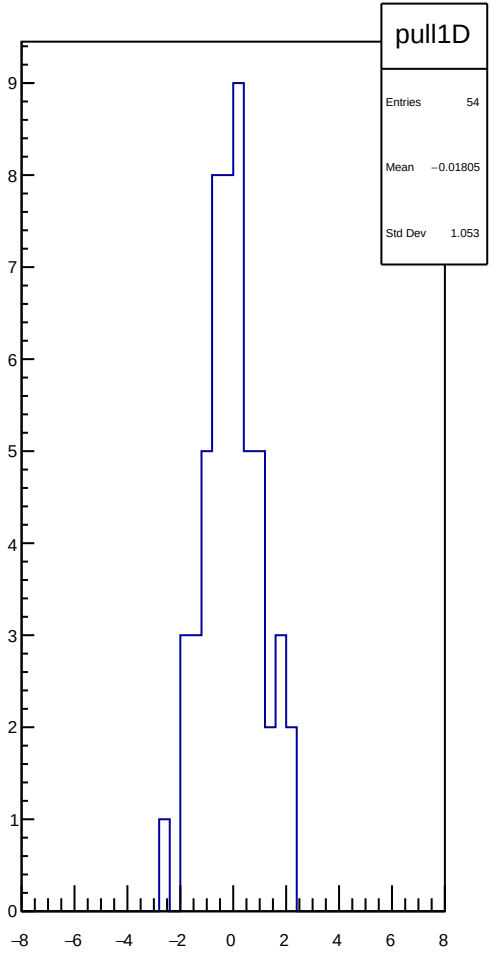

eigen_dit_asym_sam_15_dd_rms vs run
χ² / ndf 1491 / 53
p0 96.63 ± 0.09515
108
106
104
102
100
98
96
94
92
90
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

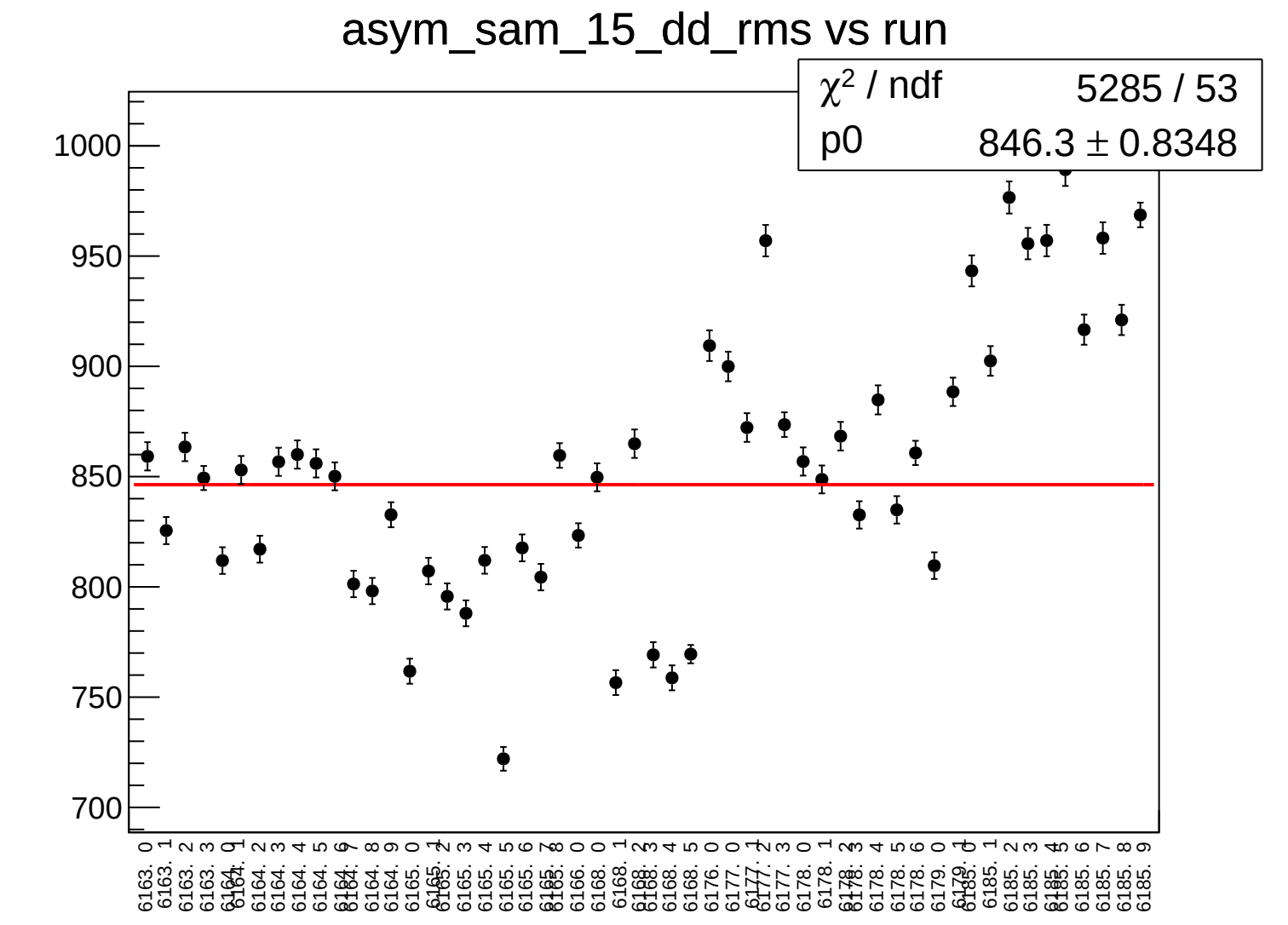

asym_sam_15_dd_eigen_dit_correction_mean vs run
χ² / ndf 61.91 / 53
p0 11.05 ± 1202
pull
Entries 54
Mean 99.42
Std Dev 0

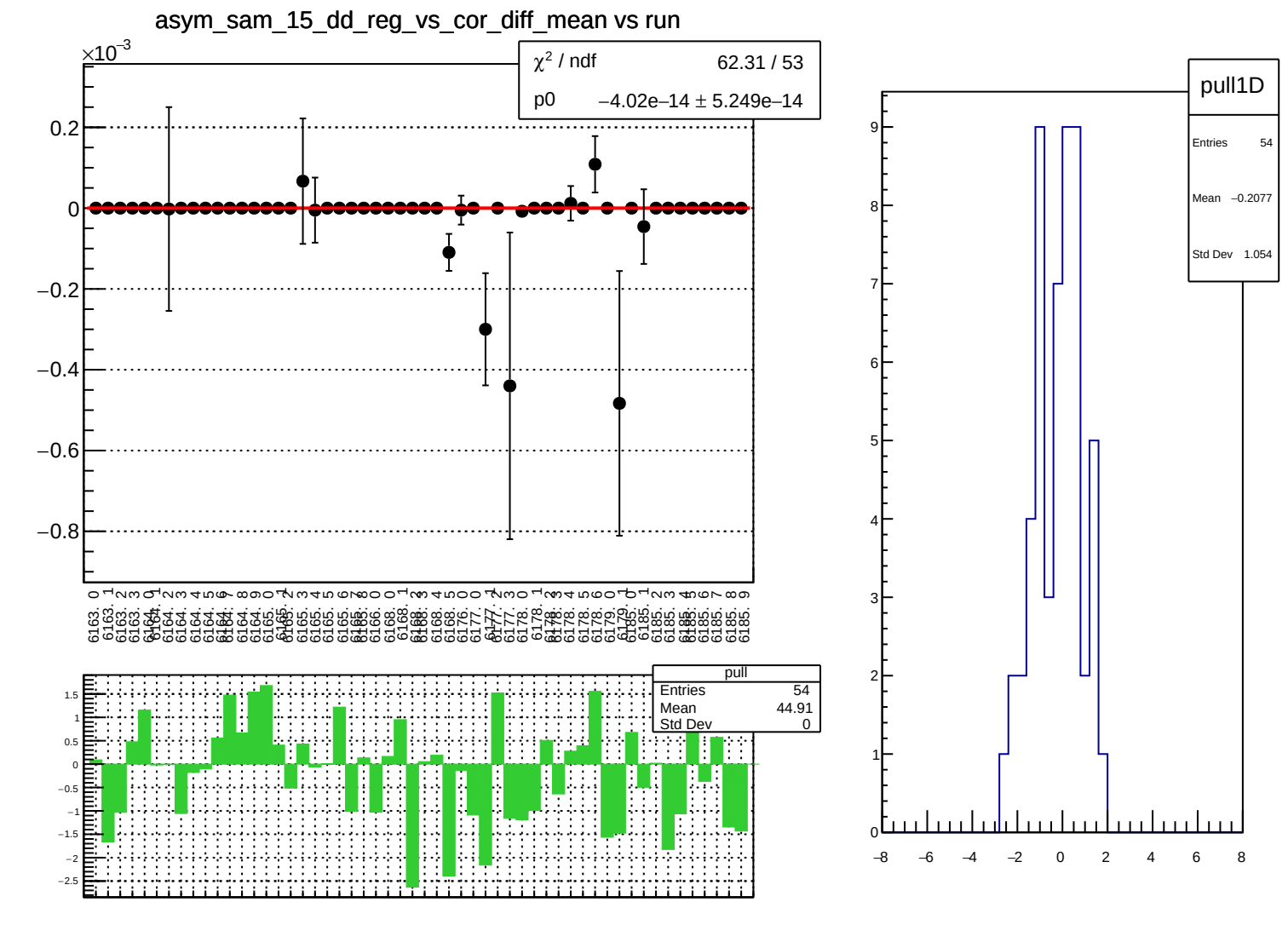

pull1D
Entries 54
Mean 0.0225
Std Dev 1.071

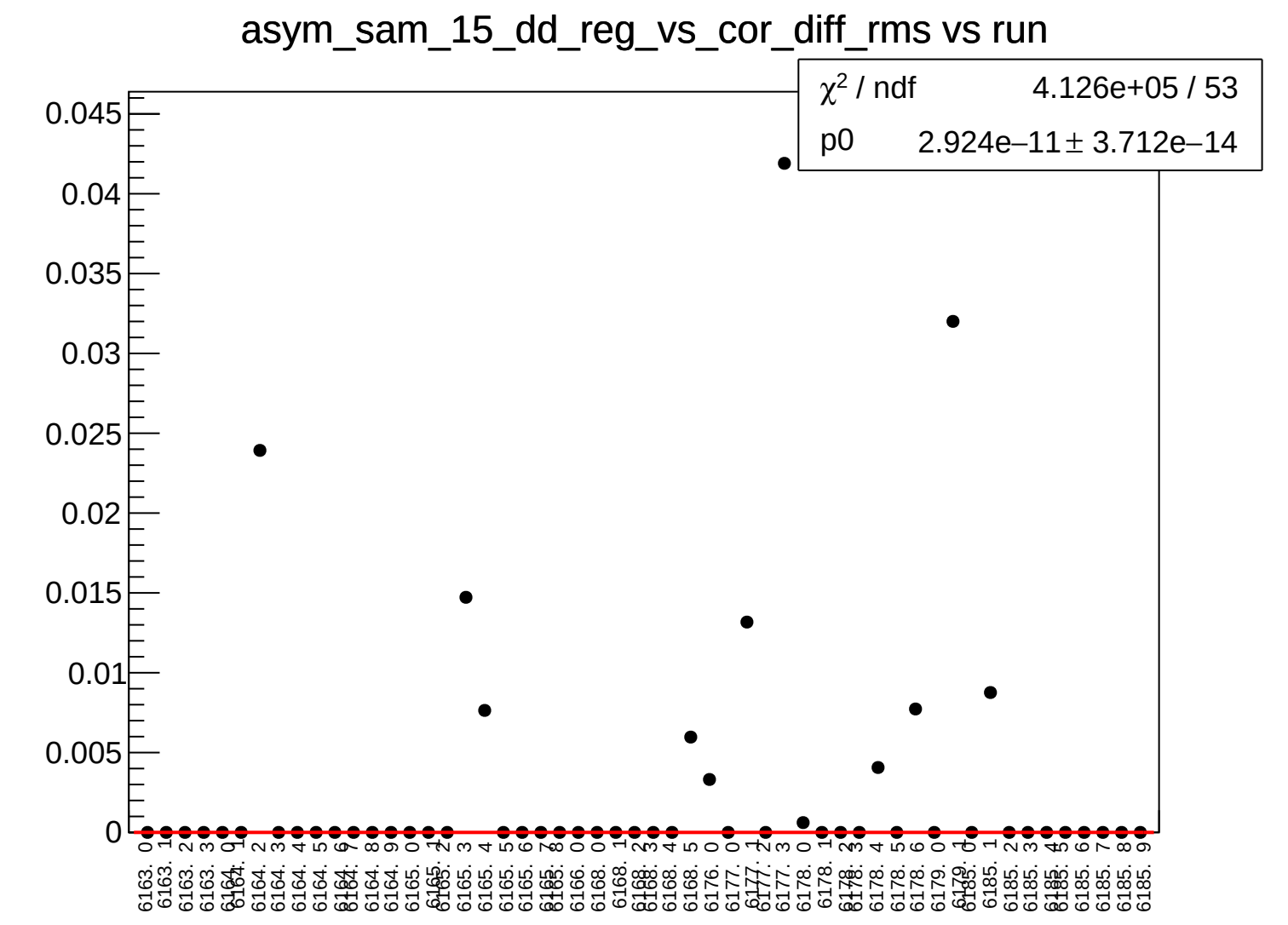

asym_sam_15_dd_eigen_dit_correction_rms vs run
χ² / ndf 6009 / 53
p0 861.5 ± 0.8501
1000
950
900
850
800
750
700
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

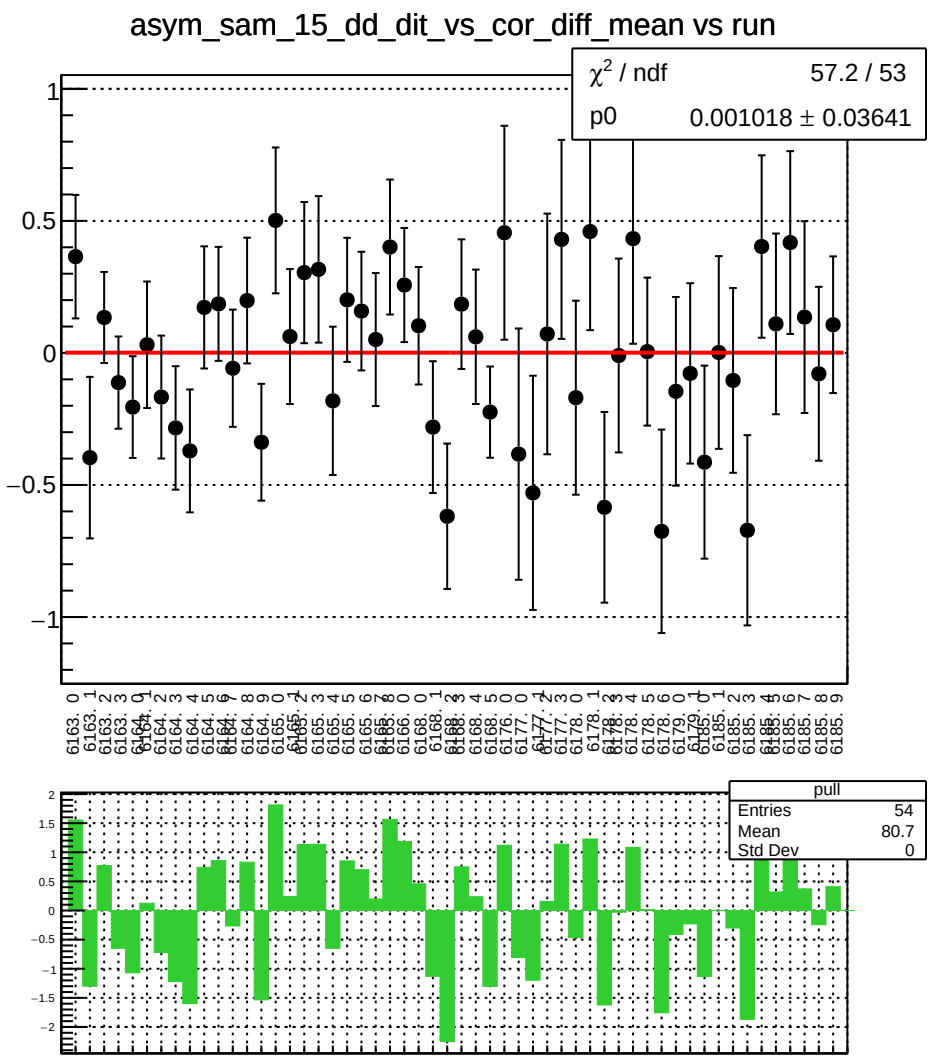

asym_sam_15_dd_mean vs run
χ² / ndf 59.88 / 53
p0 −30.89 ± 1181
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 54
Mean 120.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

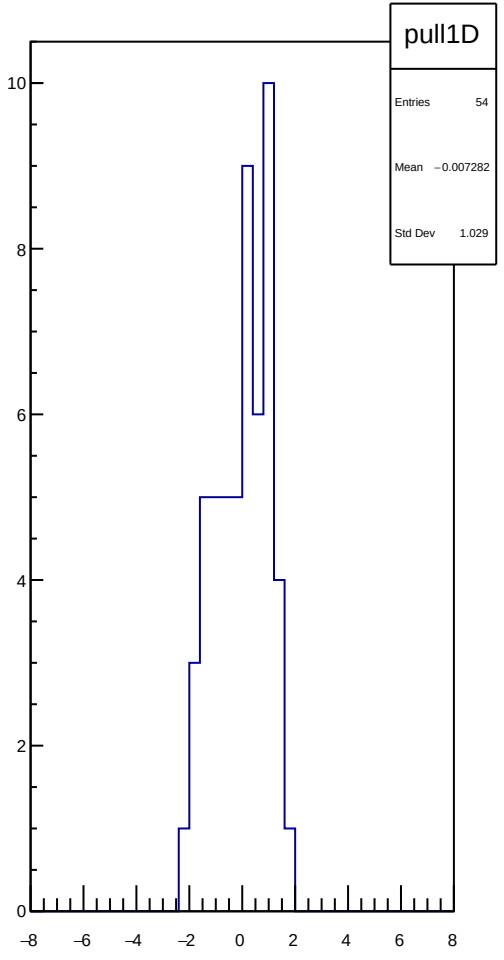

pull1D
Entries 54
Mean −0.01805
Std Dev 1.053
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

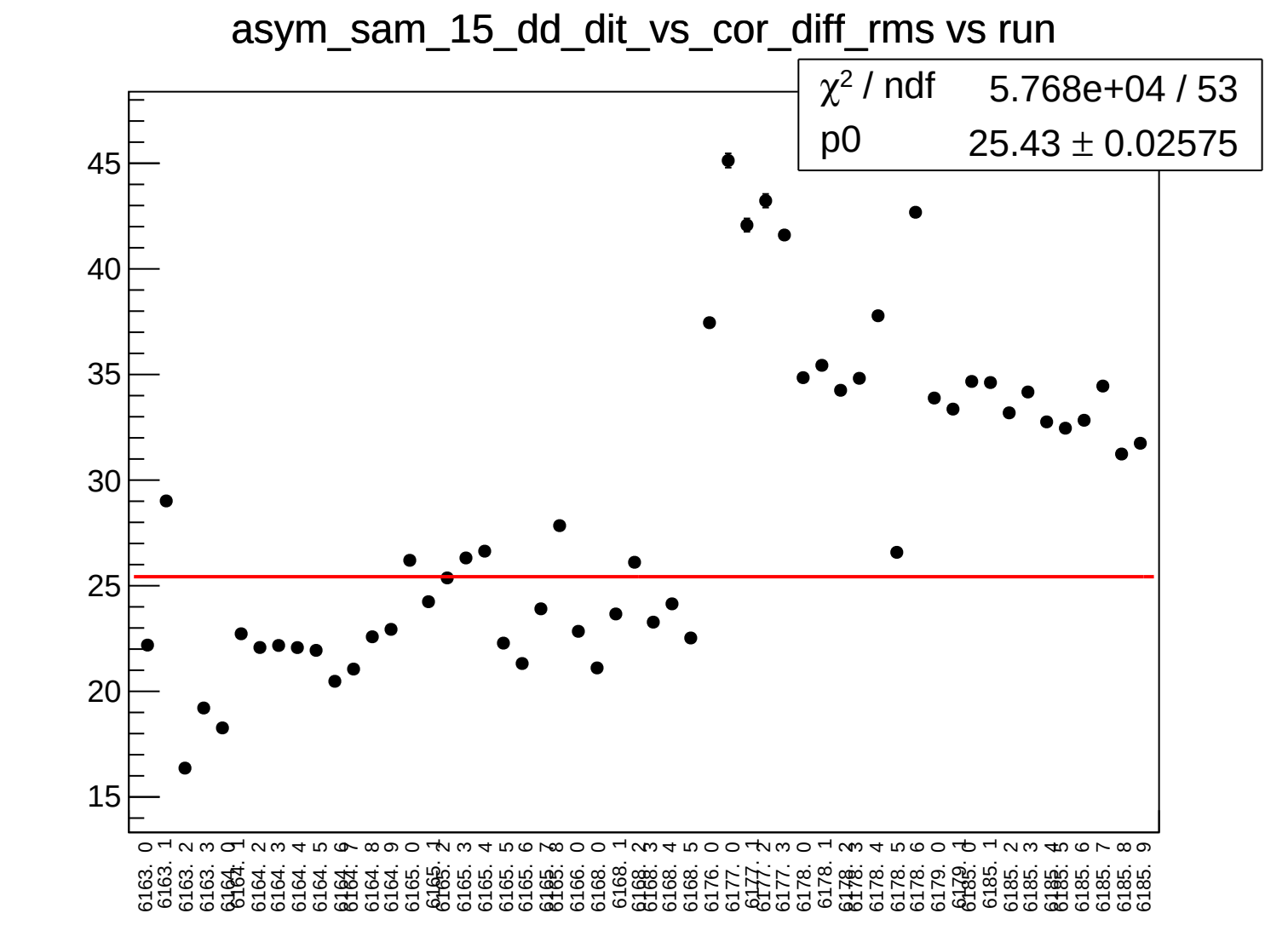

asym_sam_15_dd_rms vs run
χ² / ndf 5285 / 53
p0 846.3 ± 0.8348
1000
950
900
850
800
750
700
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

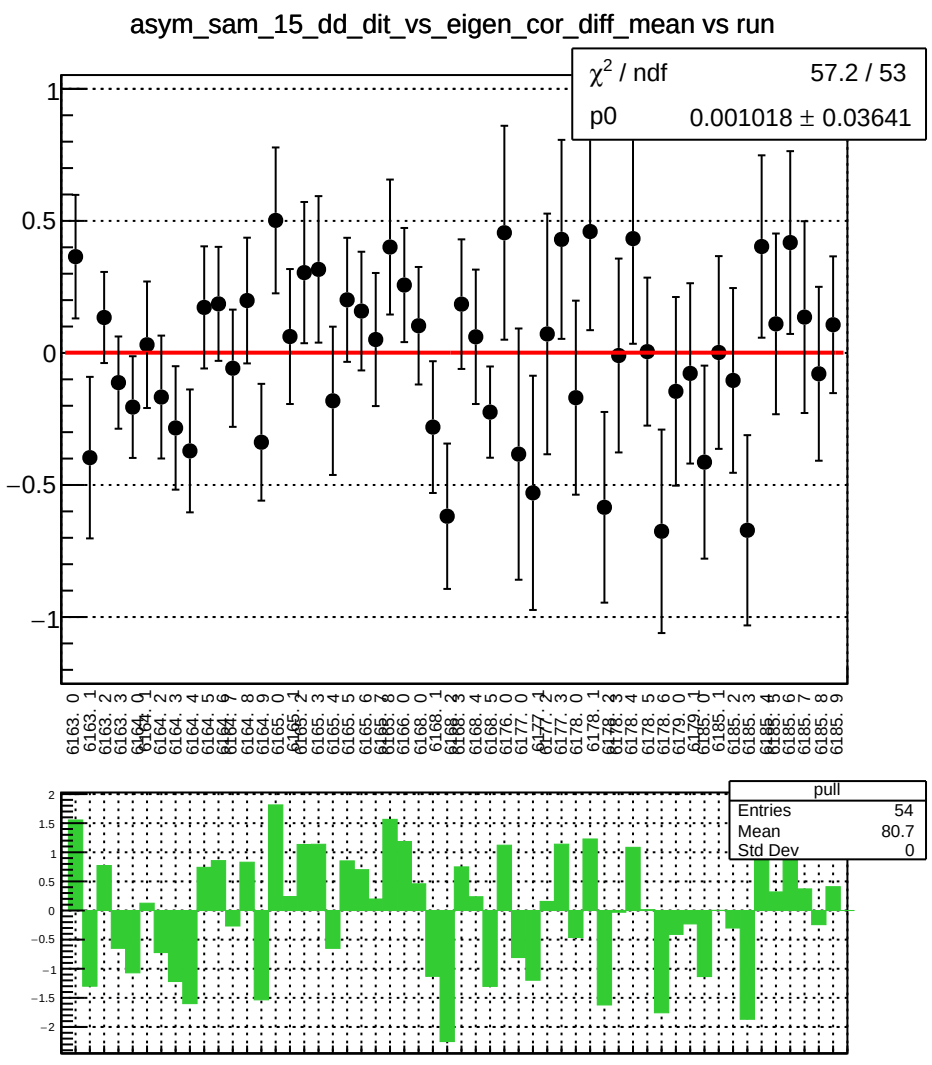

asym_sam_15_dd_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 62.31 / 53
p0 −4.02e−14 ± 5.249e−14
0.2
0
−0.2
−0.4
−0.6
−0.8
pull
Entries 54
Mean 44.91
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 54
Mean −0.2077
Std Dev 1.054
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

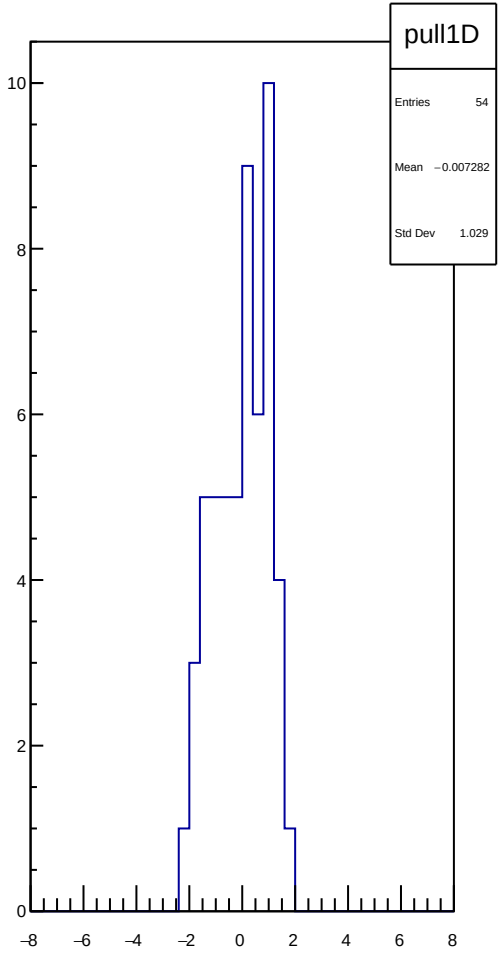

asym_sam_15_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 4.126e+05 / 53
p0 2.924e−11 ± 3.712e−14
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

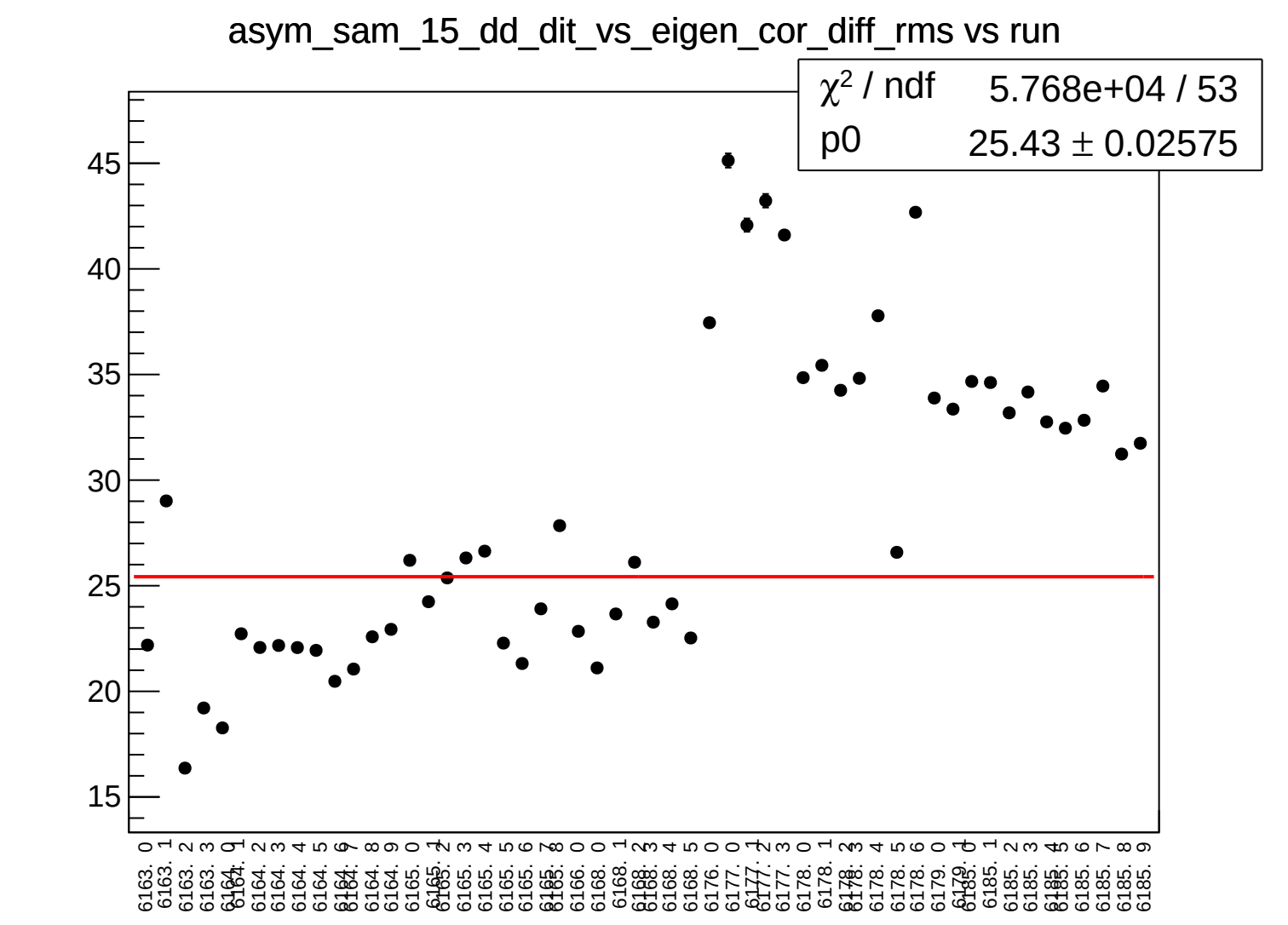

asym_sam_15_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 57.2 / 53
p0 0.001018 ± 0.03641
pull
Entries 54
Mean 80.7
Std Dev 0

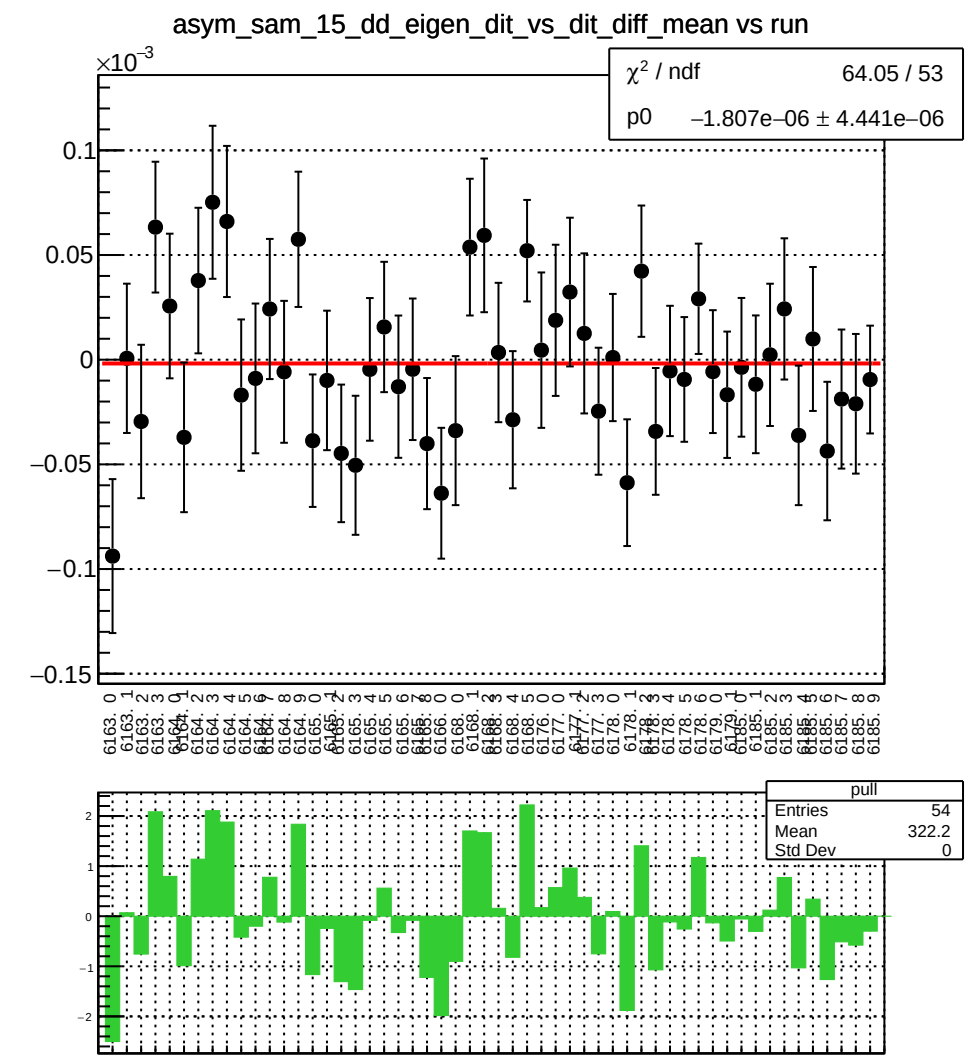

pull1D
Entries 54
Mean −0.007282
Std Dev 1.029

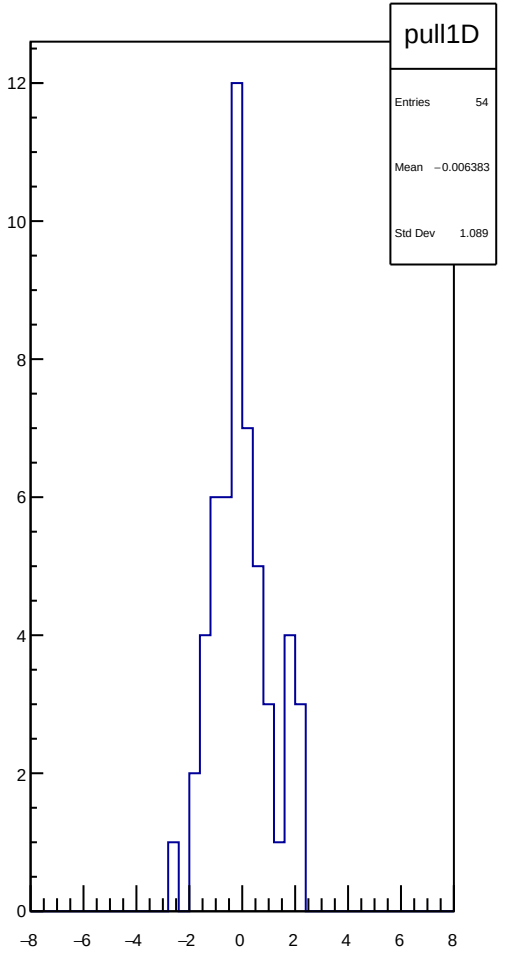

asym_sam_15_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 5.768e+04 / 53
p0 25.43 ± 0.02575
45
40
35
30
25
20
15
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

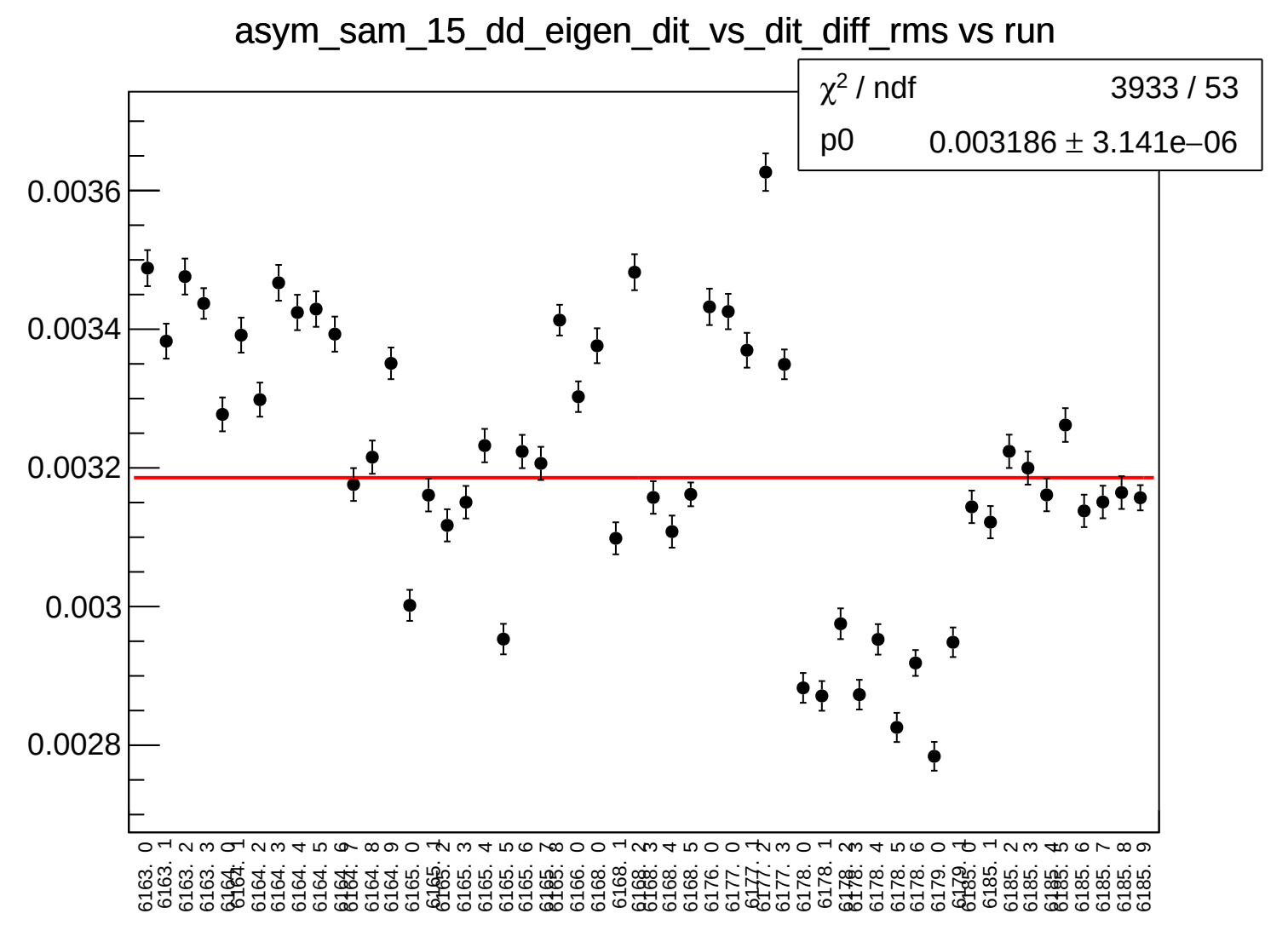

asym_sam_15_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 57.2 / 53
p0 0.001018 ± 0.03641
pull
Entries 54
Mean 80.7
Std Dev 0


pull1D
Entries 54
Mean −0.007282
Std Dev 1.029


asym_sam_15_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.768e+04 / 53
p0 25.43 ± 0.02575
45
40
35
30
25
20
15
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


asym_sam_15_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 64.05 / 53
p0 −1.807e−06 ± 4.441e−06
pull
Entries 54
Mean 322.2
Std Dev 0


pull1D
Entries 54
Mean −0.006383
Std Dev 1.089


asym_sam_15_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3933 / 53
p0 0.003186 ± 3.141e−06
0.0036
0.0034
0.0032
0.003
0.0028
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
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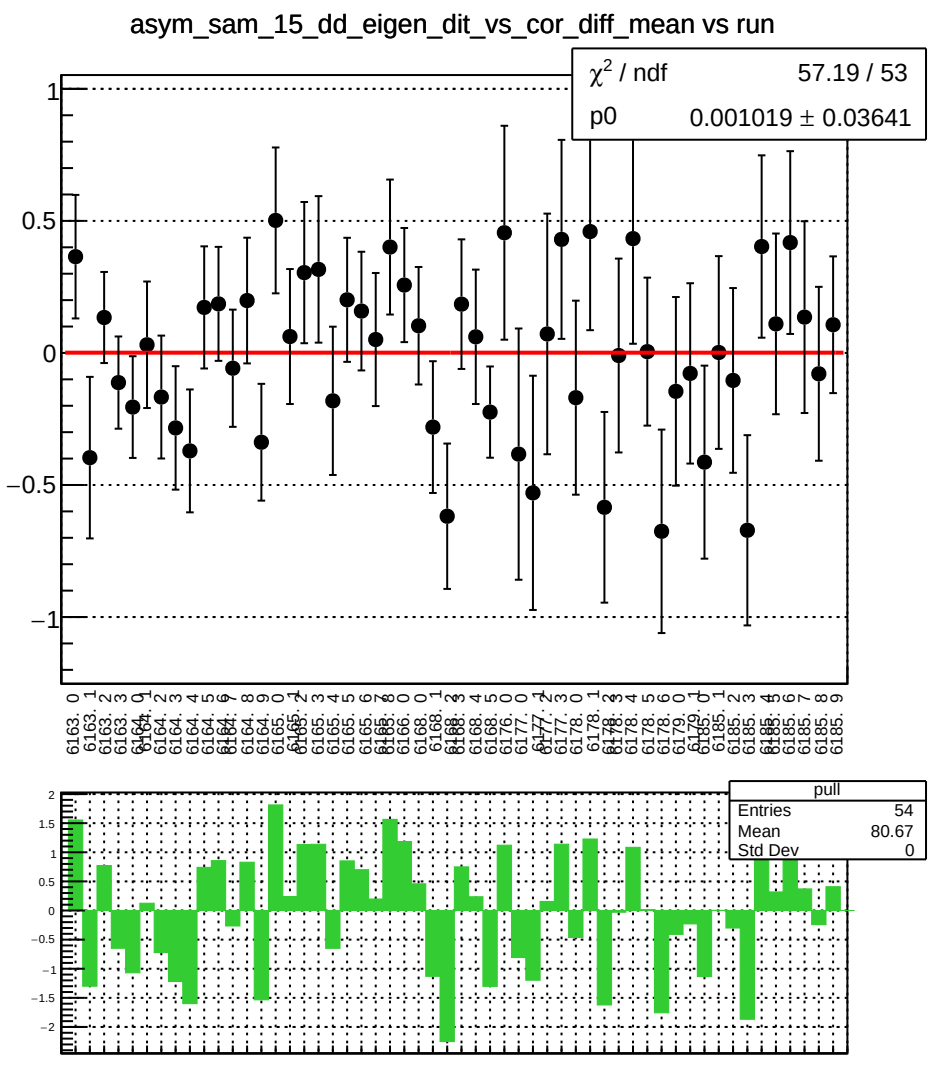
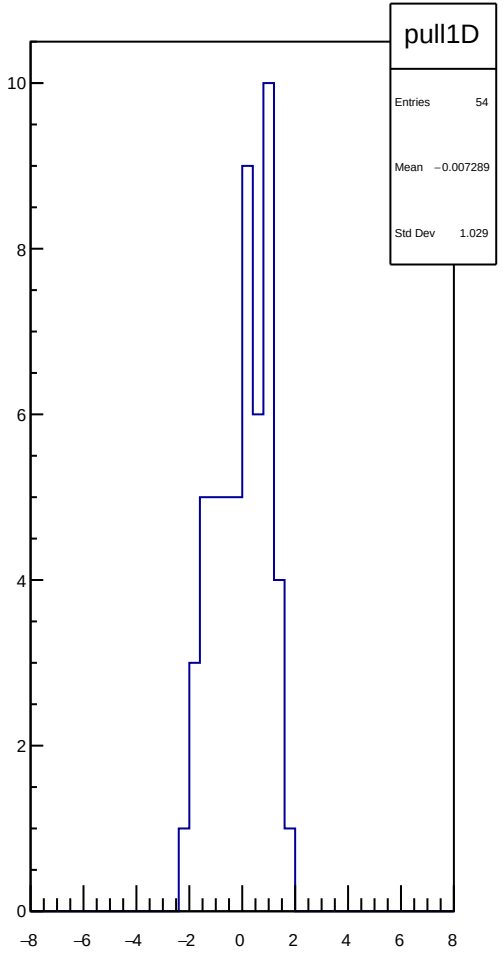
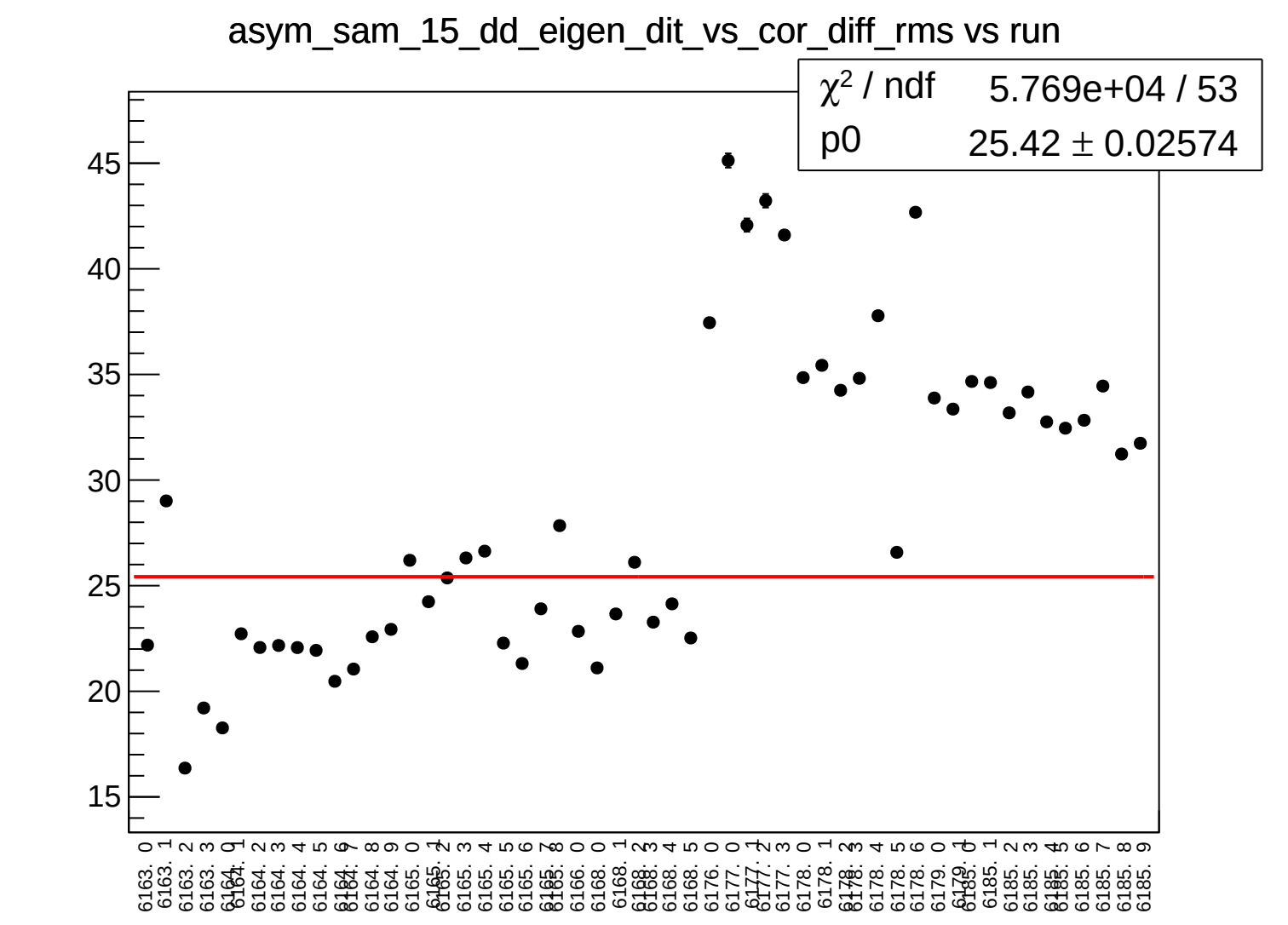
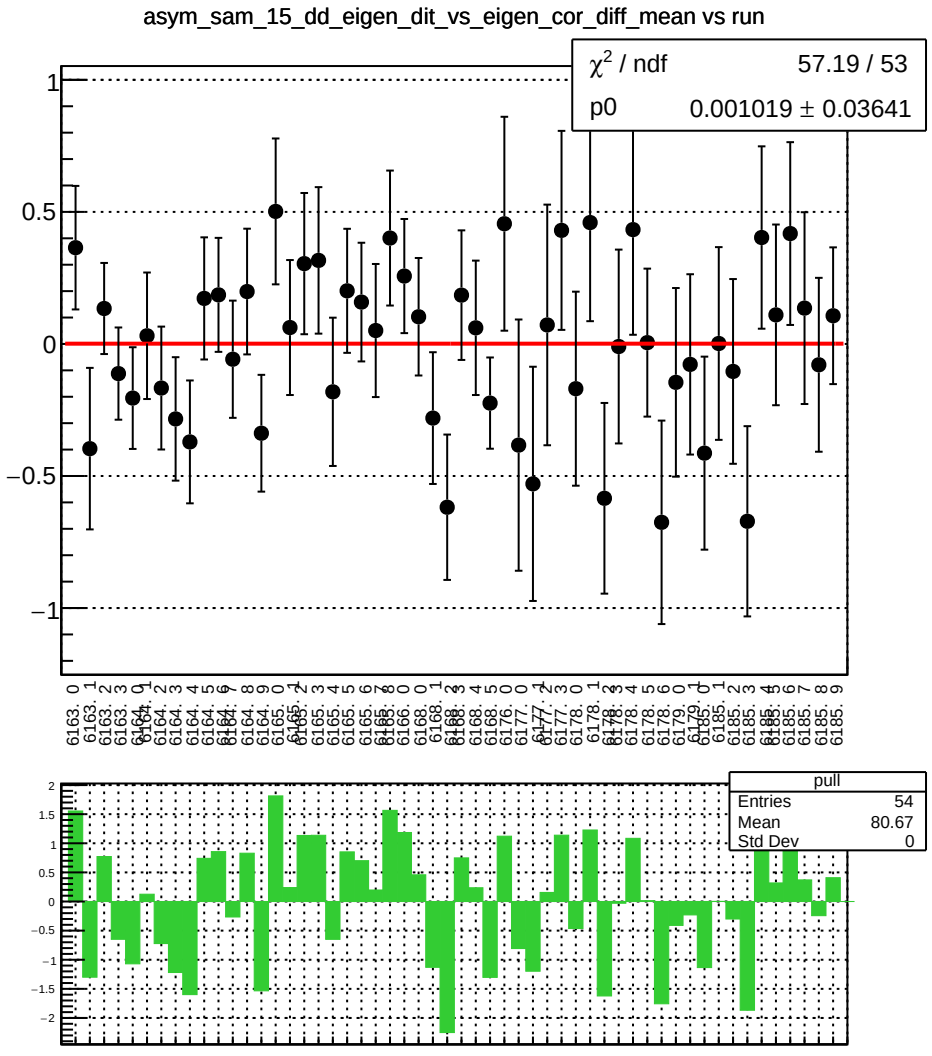
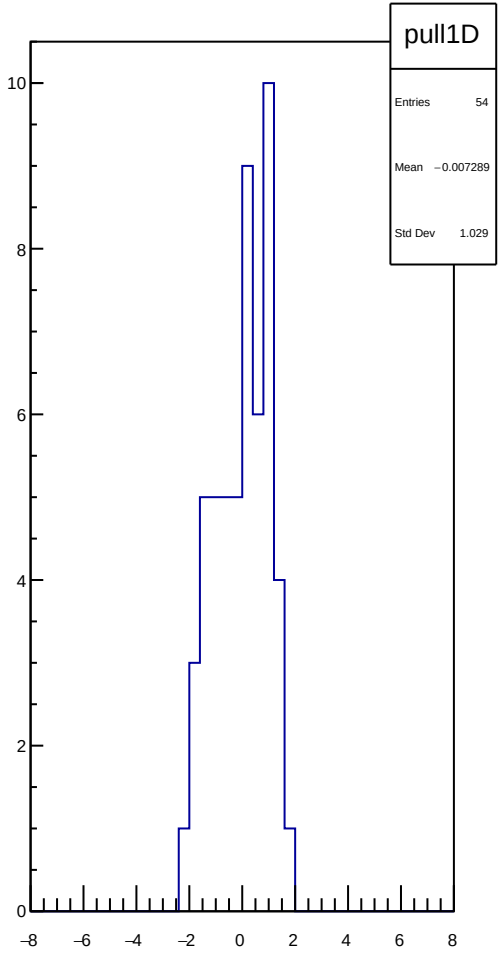
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

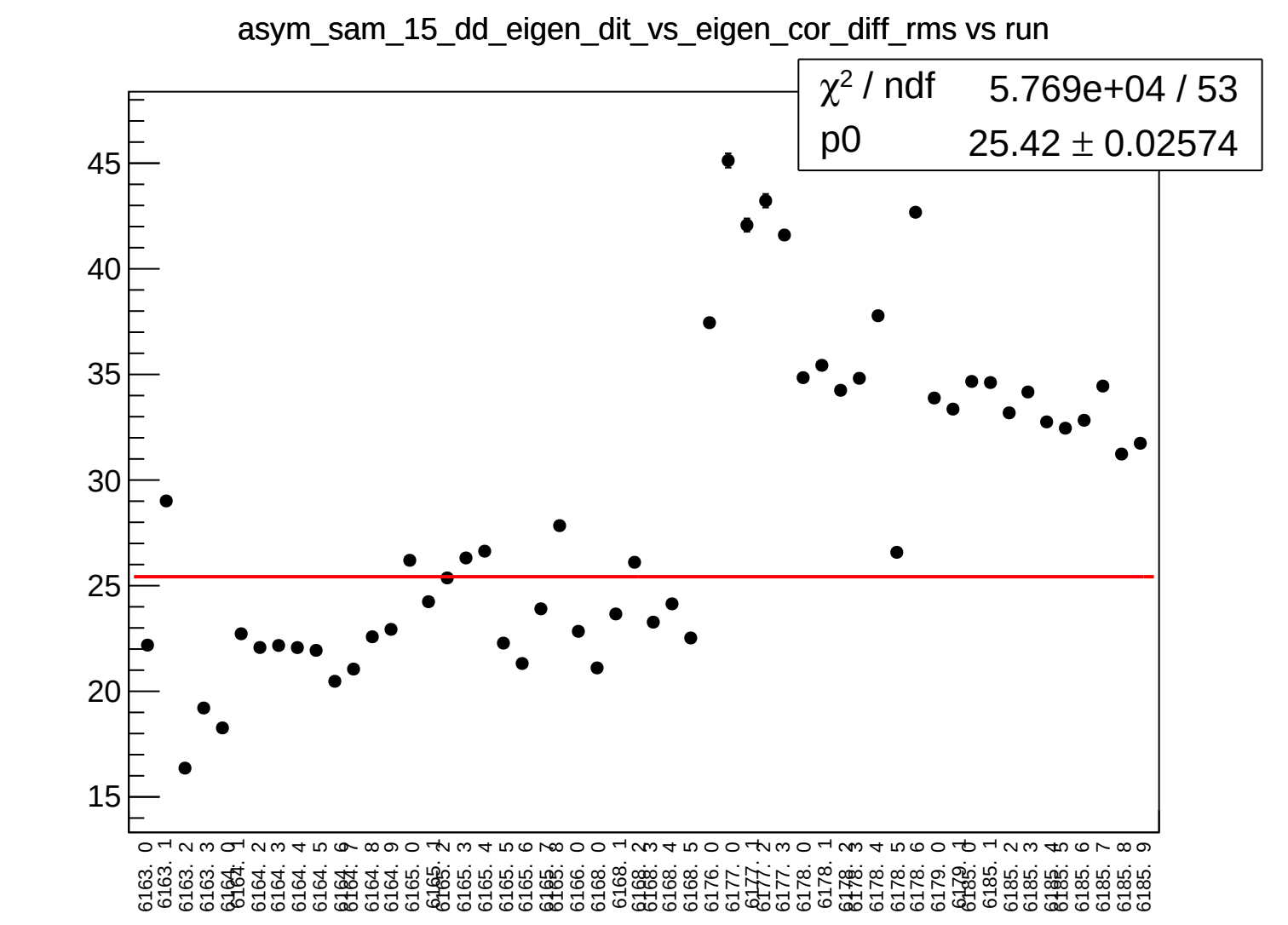

asym_sam_15_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 57.19 / 53
p0 0.001019 ± 0.03641
pull
Entries 54
Mean 80.67
Std Dev 0


pull1D
Entries 54
Mean −0.007289
Std Dev 1.029


asym_sam_15_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.769e+04 / 53
p0 25.42 ± 0.02574
45
40
35
30
25
20
15
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 57.19 / 53
p0 0.001019 ± 0.03641
pull
Entries 54
Mean 80.67
Std Dev 0


pull1D
Entries 54
Mean −0.007289
Std Dev 1.029


asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.769e+04 / 53
p0 25.42 ± 0.02574
45
40
35
30
25
20
15
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
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6164. 5
6164. 8
6164. 9
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6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
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6177. 0
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6178. 0
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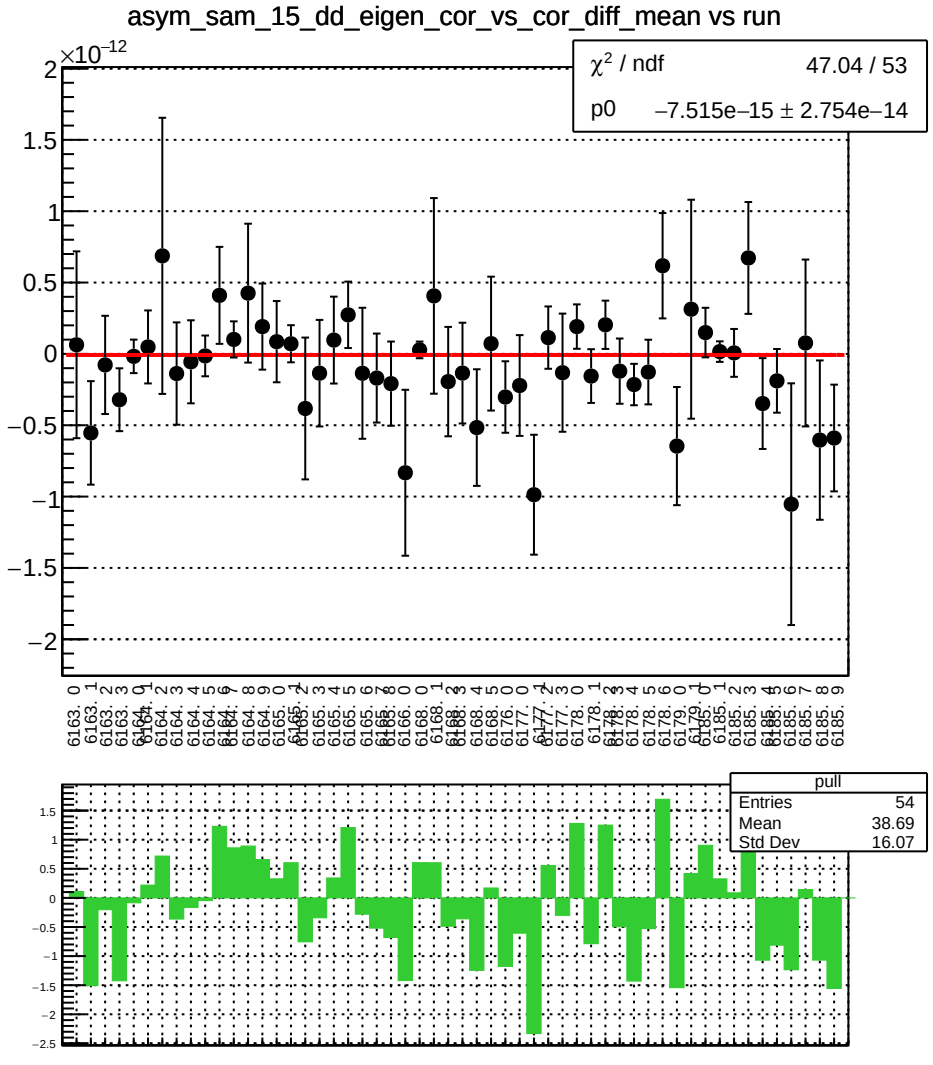
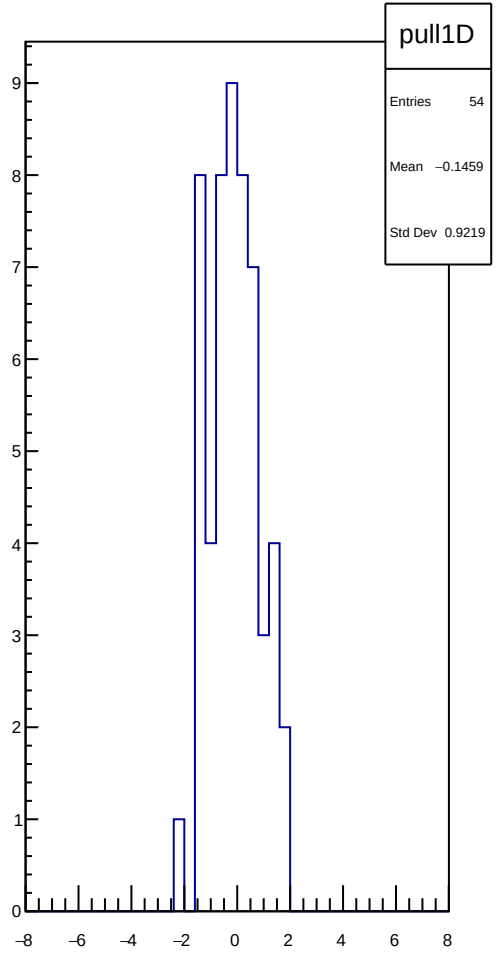
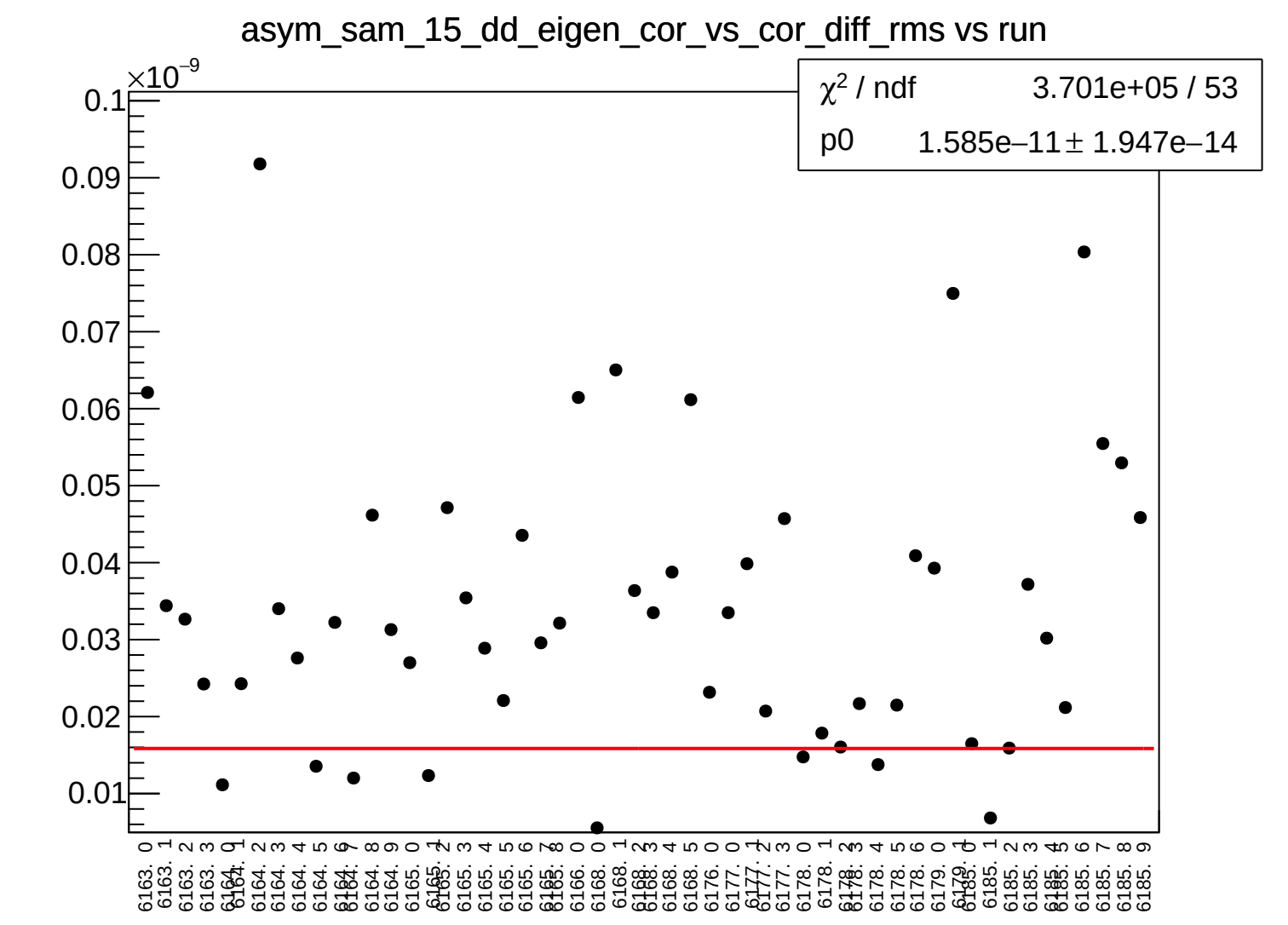
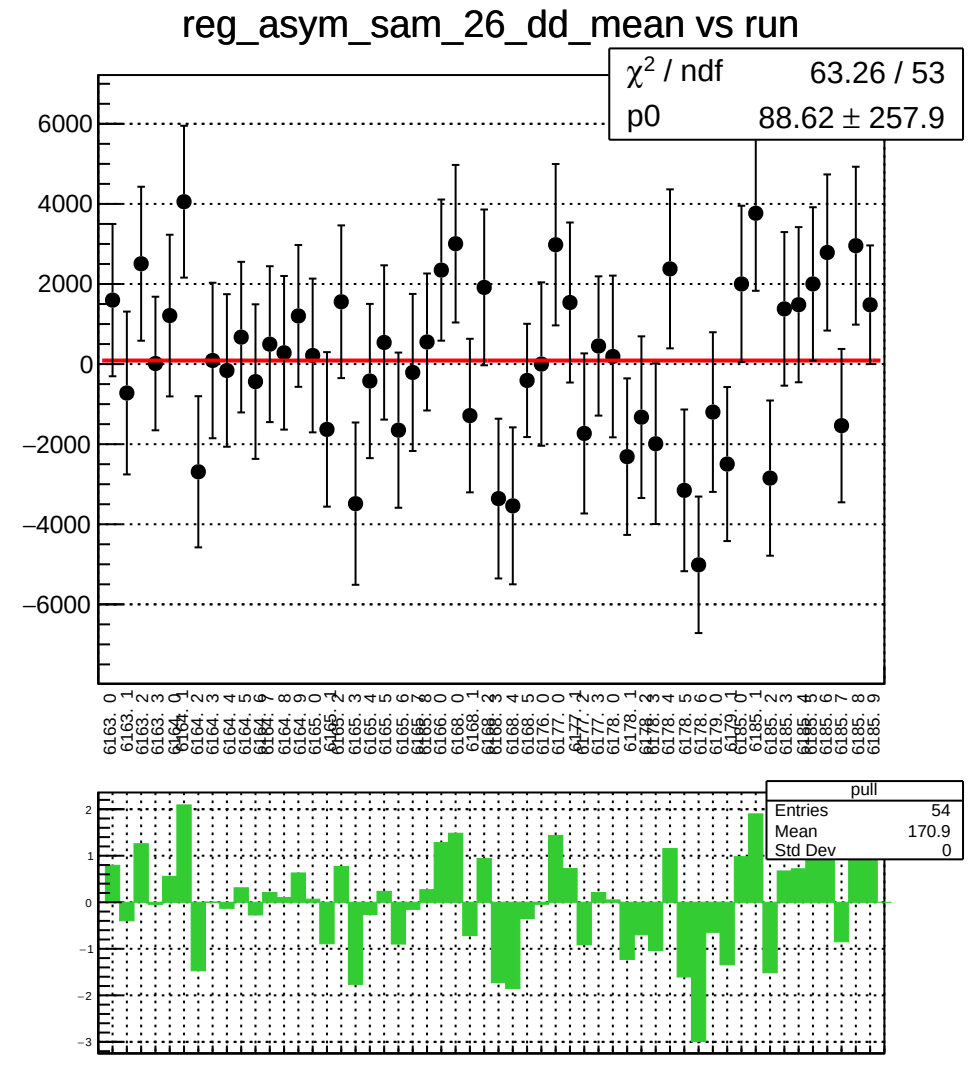
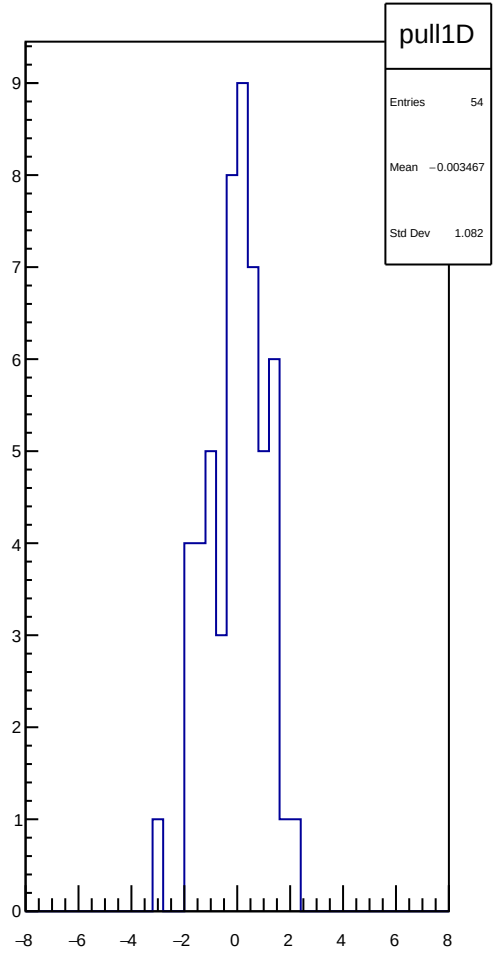
6185. 8
6185. 9

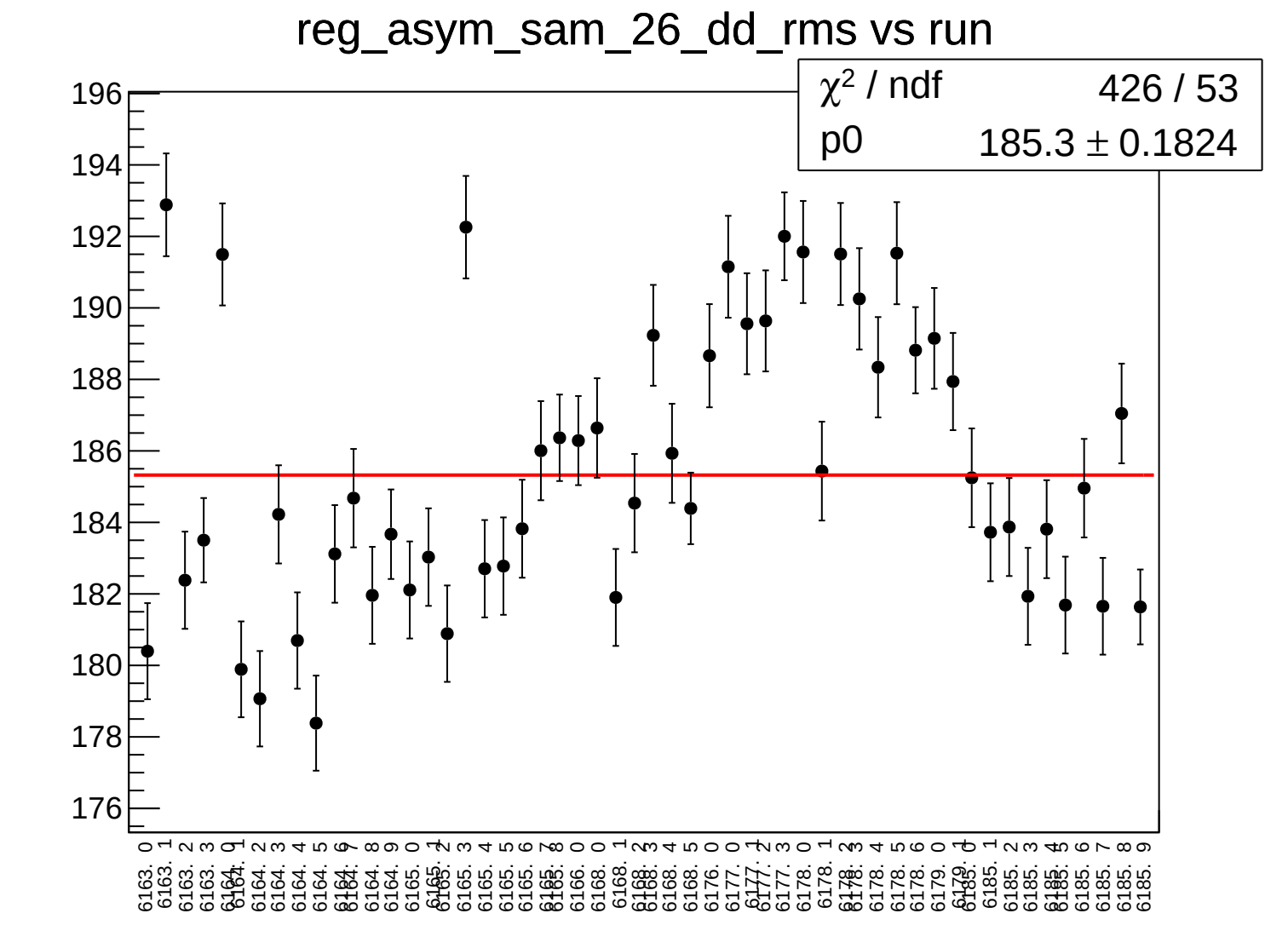

asym_sam_15_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 47.04 / 53
p0 −7.515e−15 ± 2.754e−14
pull
Entries 54
Mean 38.69
Std Dev 16.07

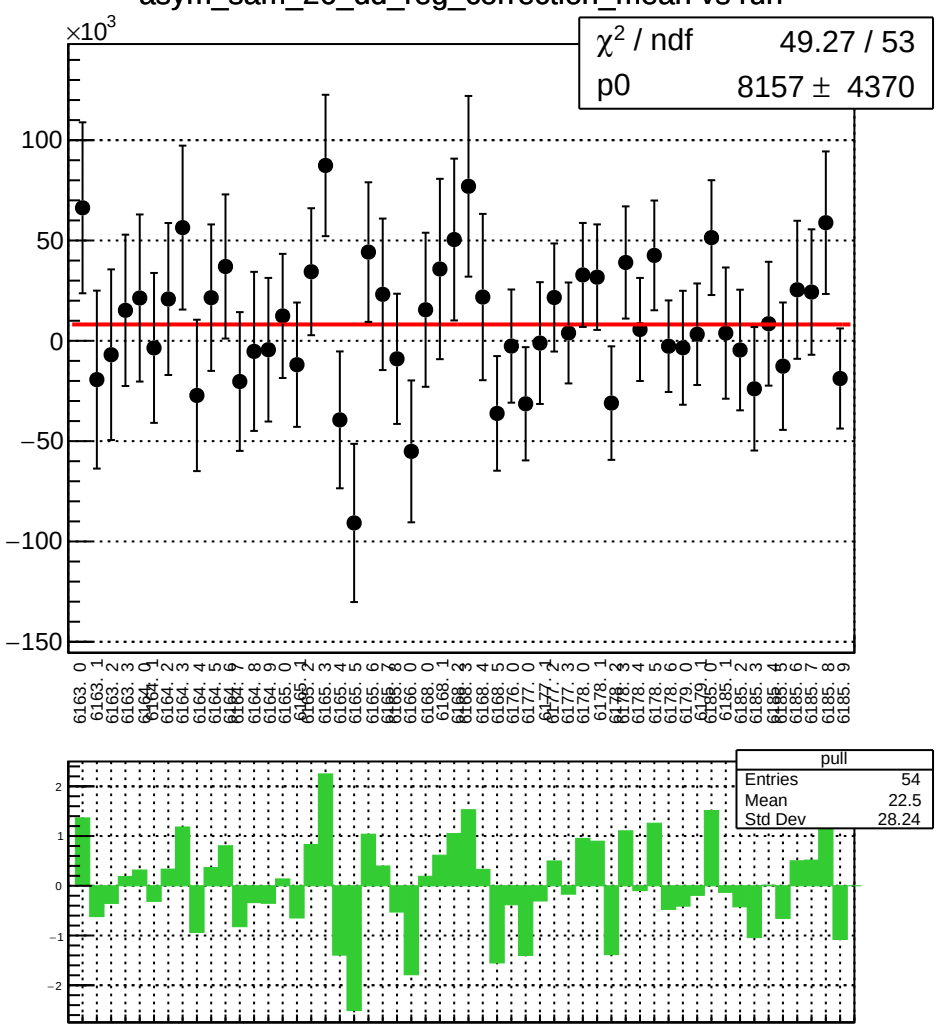

pull1D
Entries 54
Mean −0.1459
Std Dev 0.9219

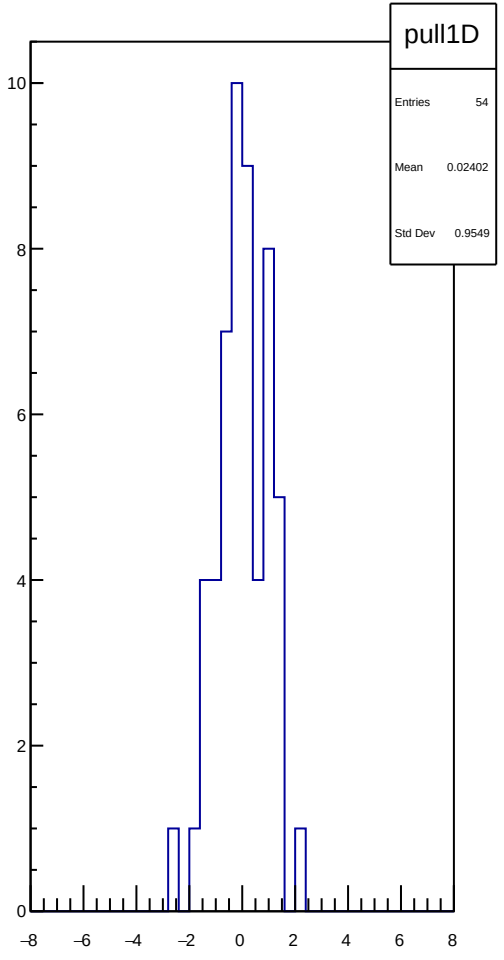

asym_sam_15_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.701e+05 / 53
p0 1.585e−11 ± 1.947e−14
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

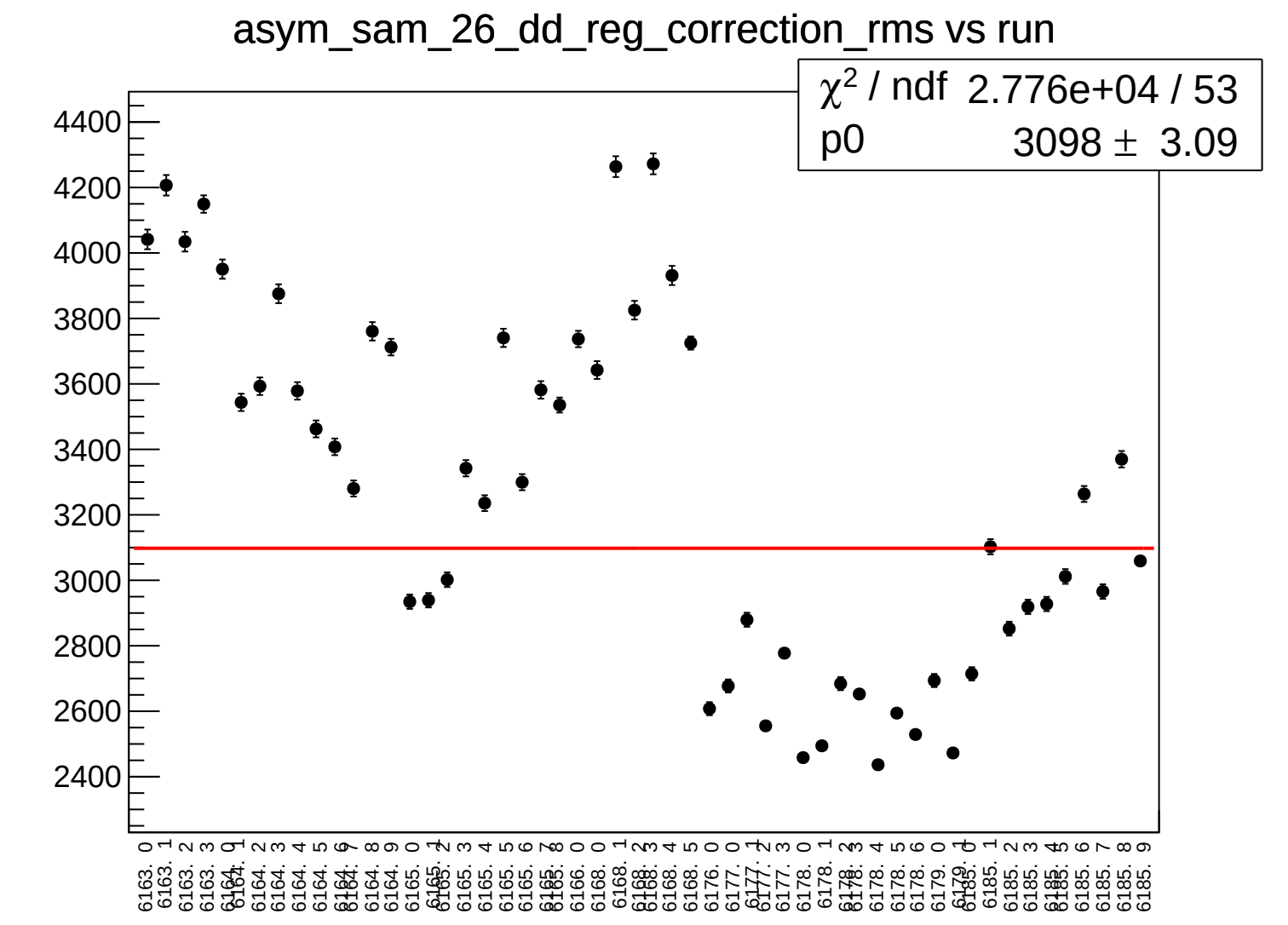

reg_asym_sam_26_dd_mean vs run
χ² / ndf 63.26 / 53
p0 88.62 ± 257.9
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 54
Mean 170.9
Std Dev 0
2
1
0
−1
−2
−3

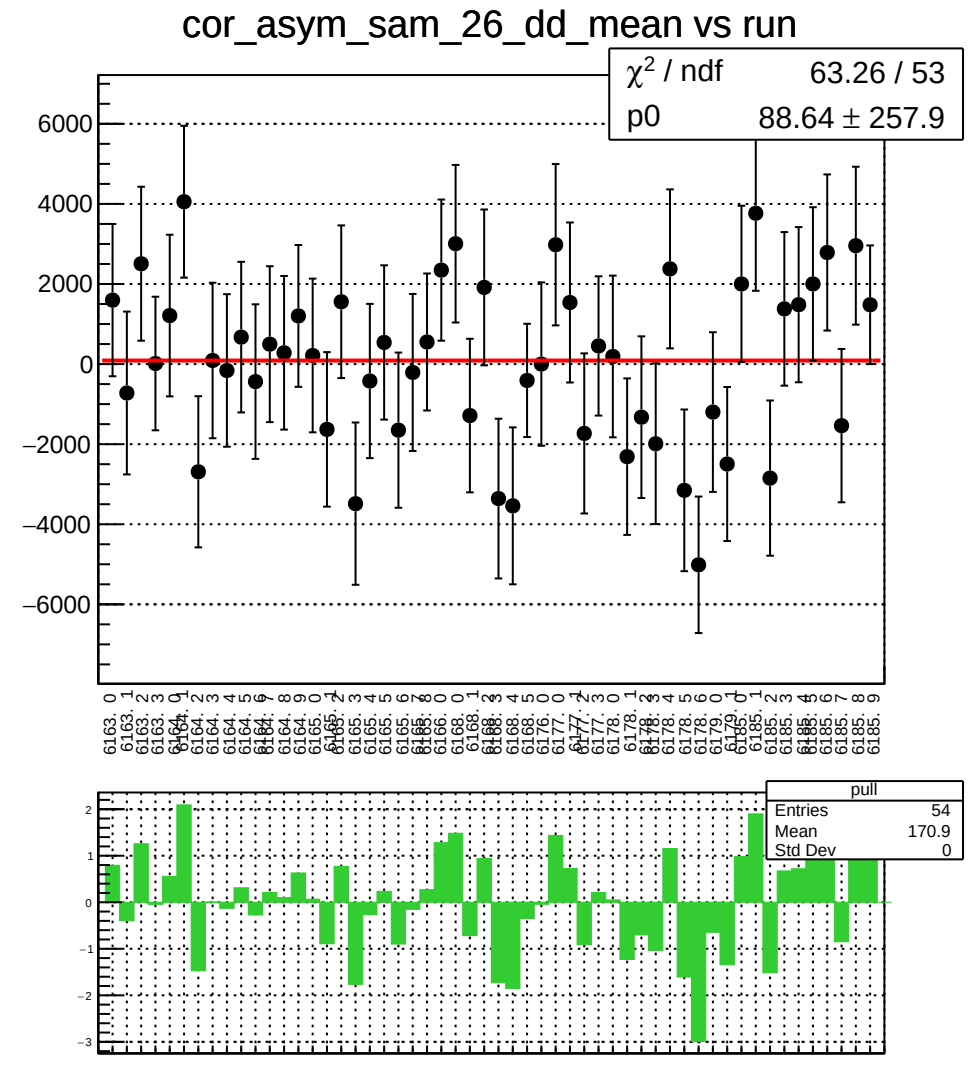

pull1D
Entries 54
Mean −0.003467
Std Dev 1.082
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

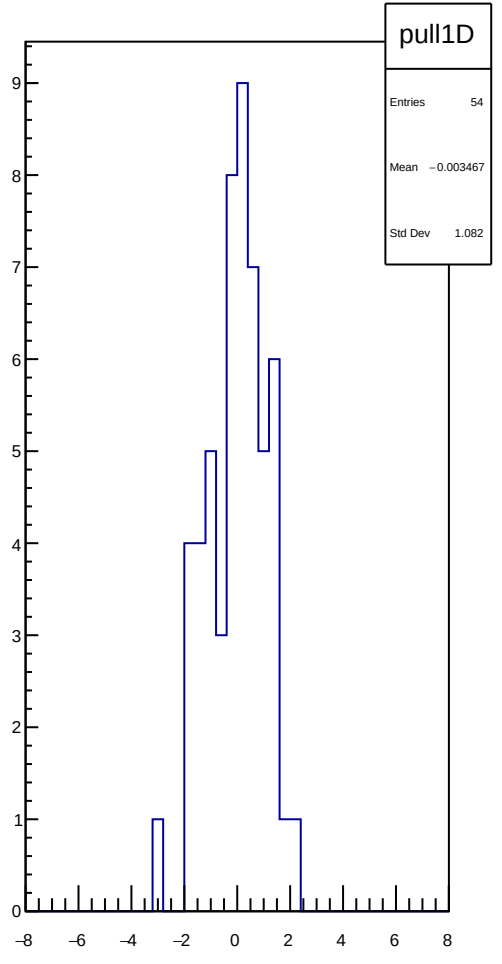

reg_asym_sam_26_dd_rms vs run
χ² / ndf 426 / 53
p0 185.3 ± 0.1824
196
194
192
190
188
186
184
182
180
178
176
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

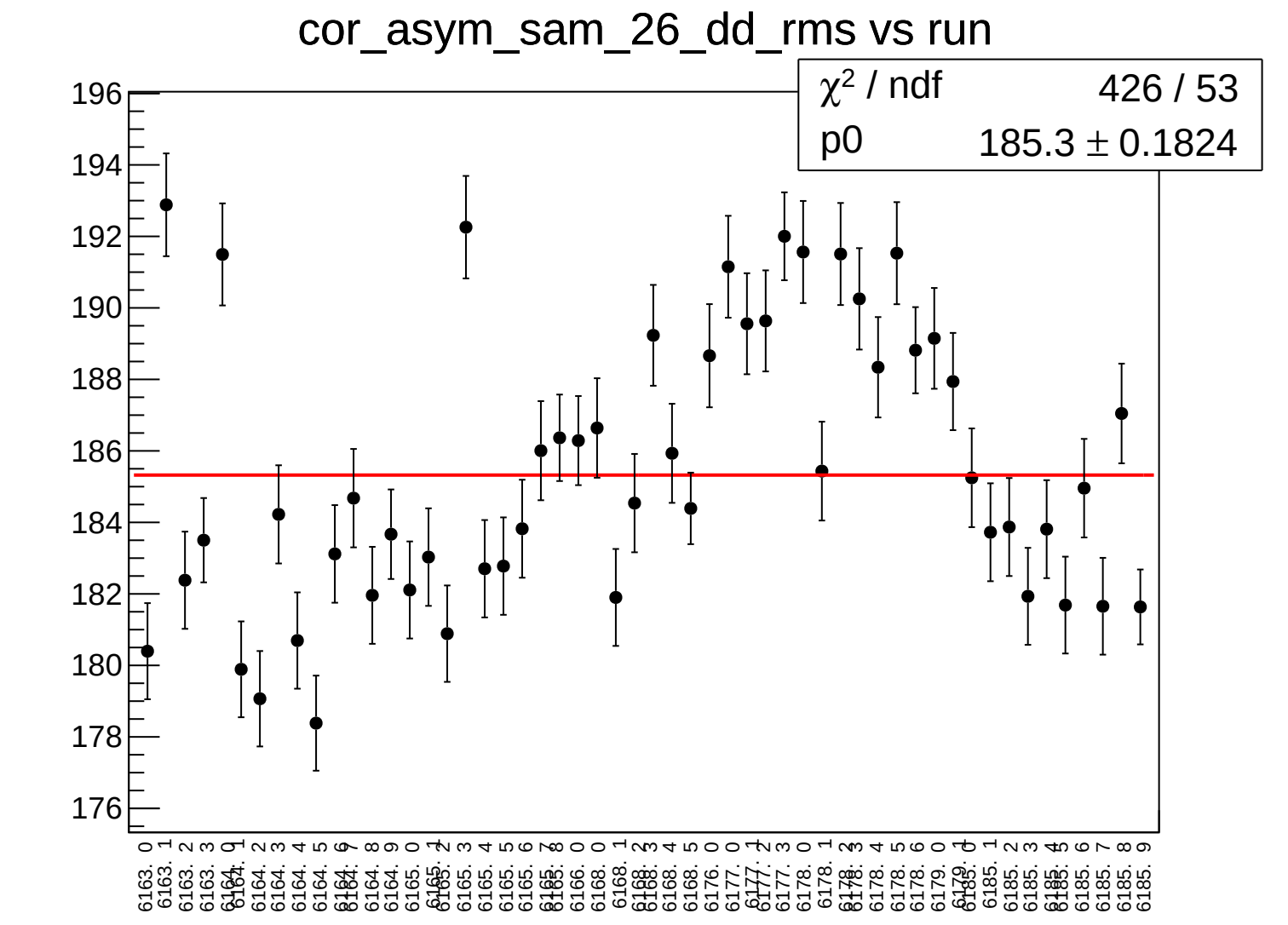

asym_sam_26_dd_reg_correction_mean vs run
χ² / ndf 49.27 / 53
p0 8157 ± 4370
×10³
pull
Entries 54
Mean 22.5
Std Dev 28.24

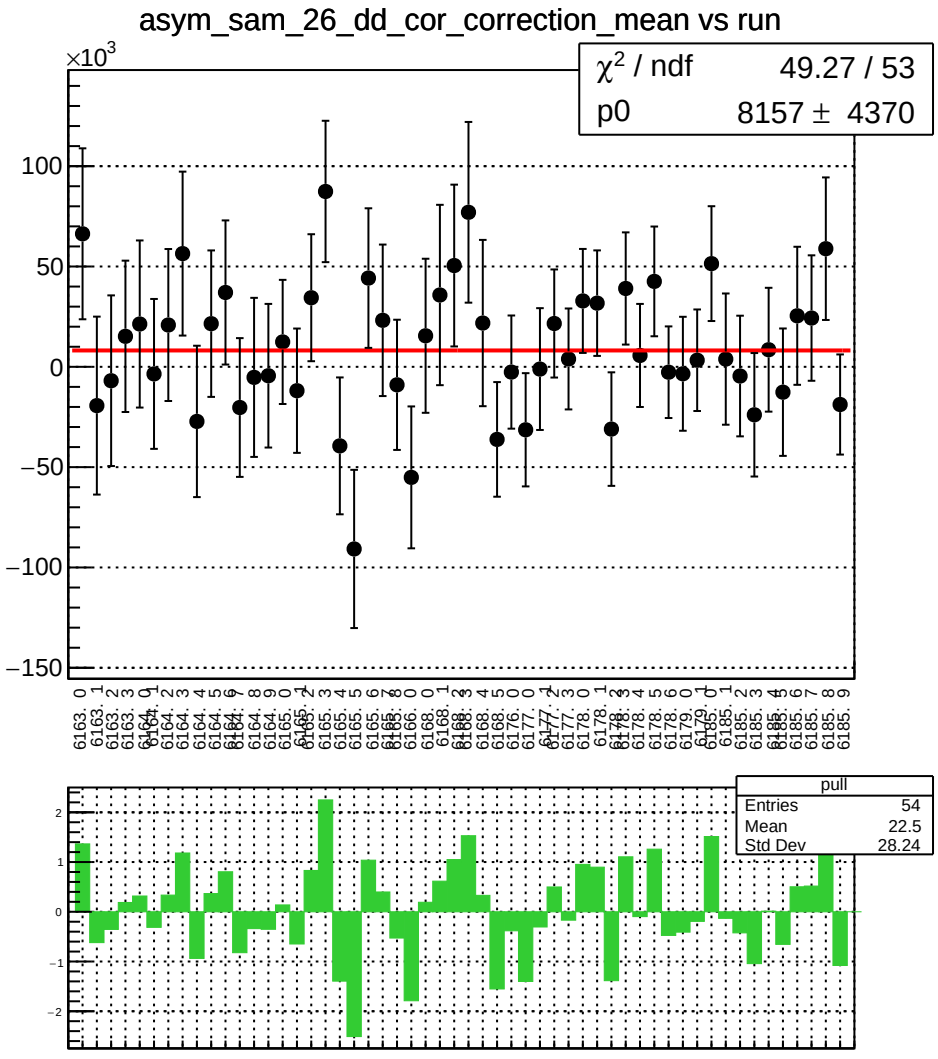

pull1D
Entries 54
Mean 0.02402
Std Dev 0.9549

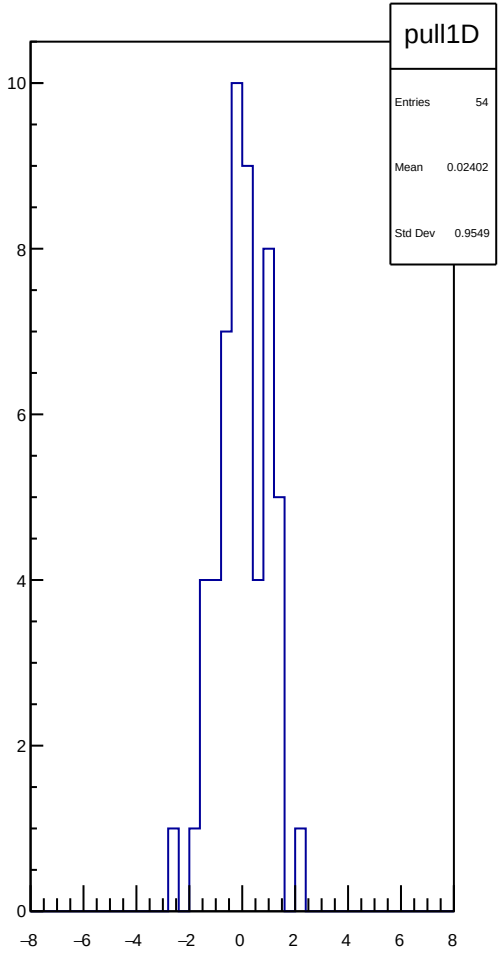

asym_sam_26_dd_reg_correction_rms vs run
χ² / ndf 2.776e+04 / 53
p0 3098 ± 3.09
4400
4200
4000
3800
3600
3400
3200
3000
2800
2600
2400
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

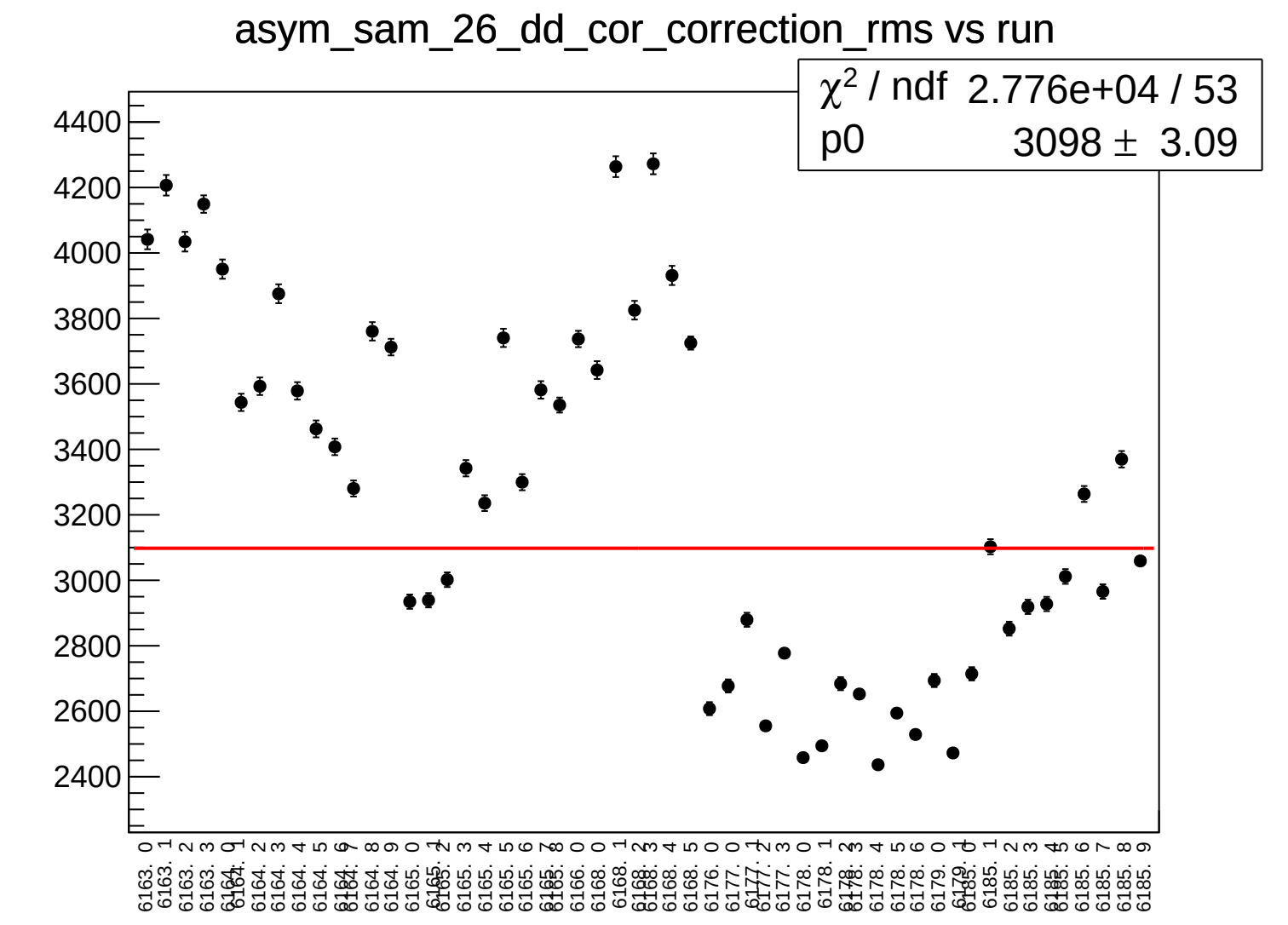

cor_asym_sam_26_dd_mean vs run
χ² / ndf 63.26 / 53
p0 88.64 ± 257.9
pull
Entries 54
Mean 170.9
Std Dev 0

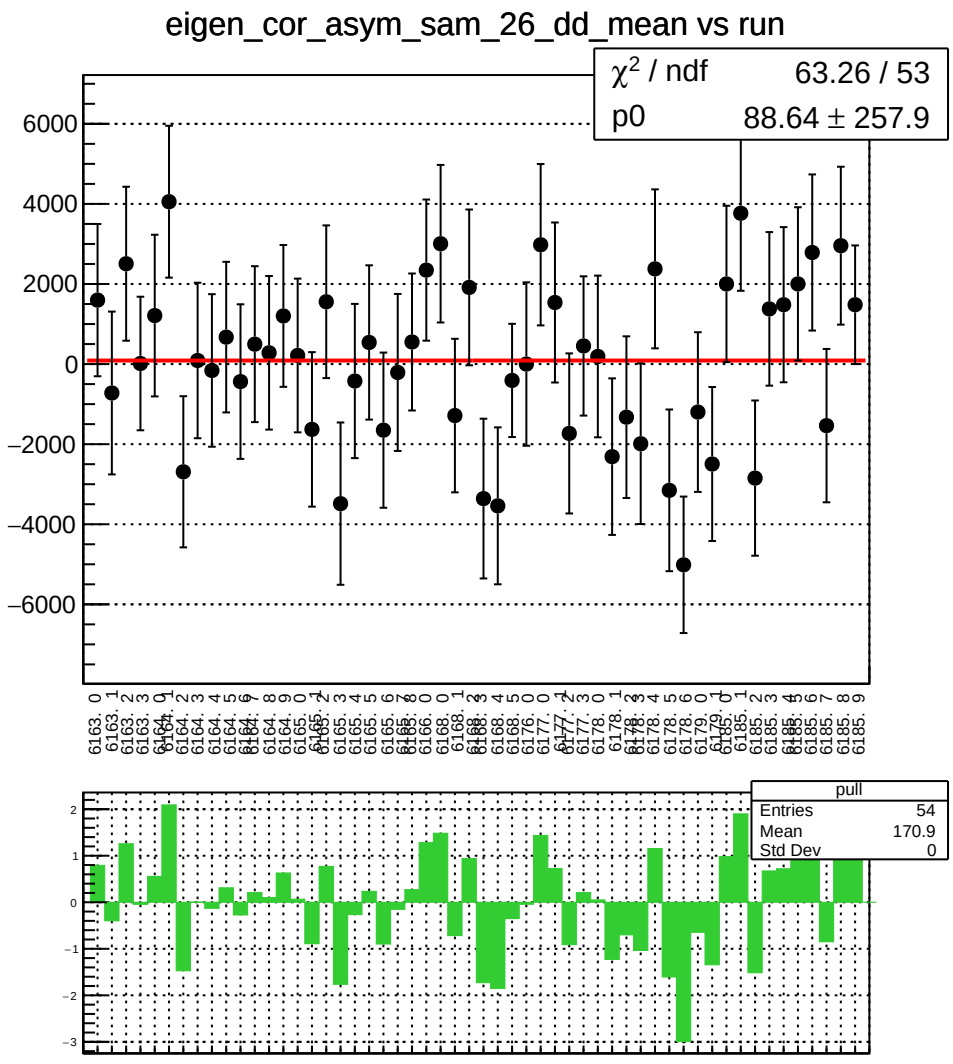

pull1D
Entries 54
Mean −0.003467
Std Dev 1.082

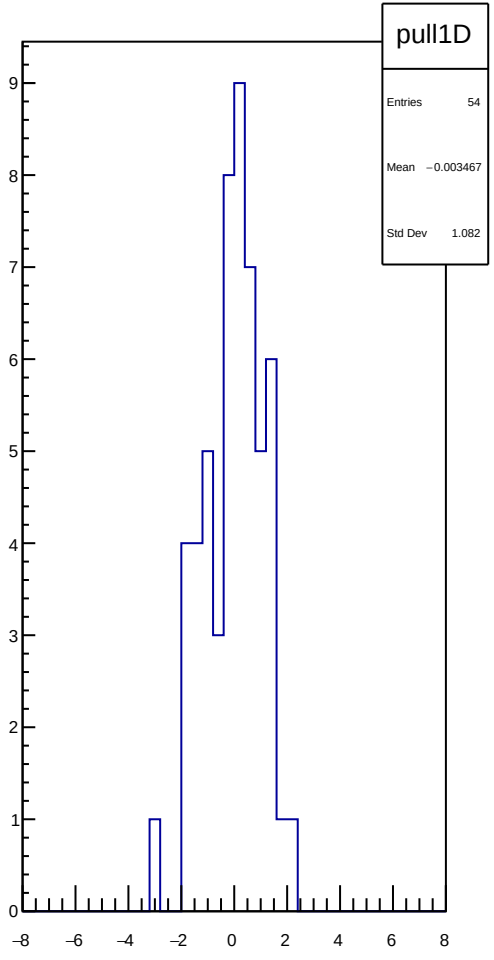

cor_asym_sam_26_dd_rms vs run
χ² / ndf 426 / 53
p0 185.3 ± 0.1824
196
194
192
190
188
186
184
182
180
178
176
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

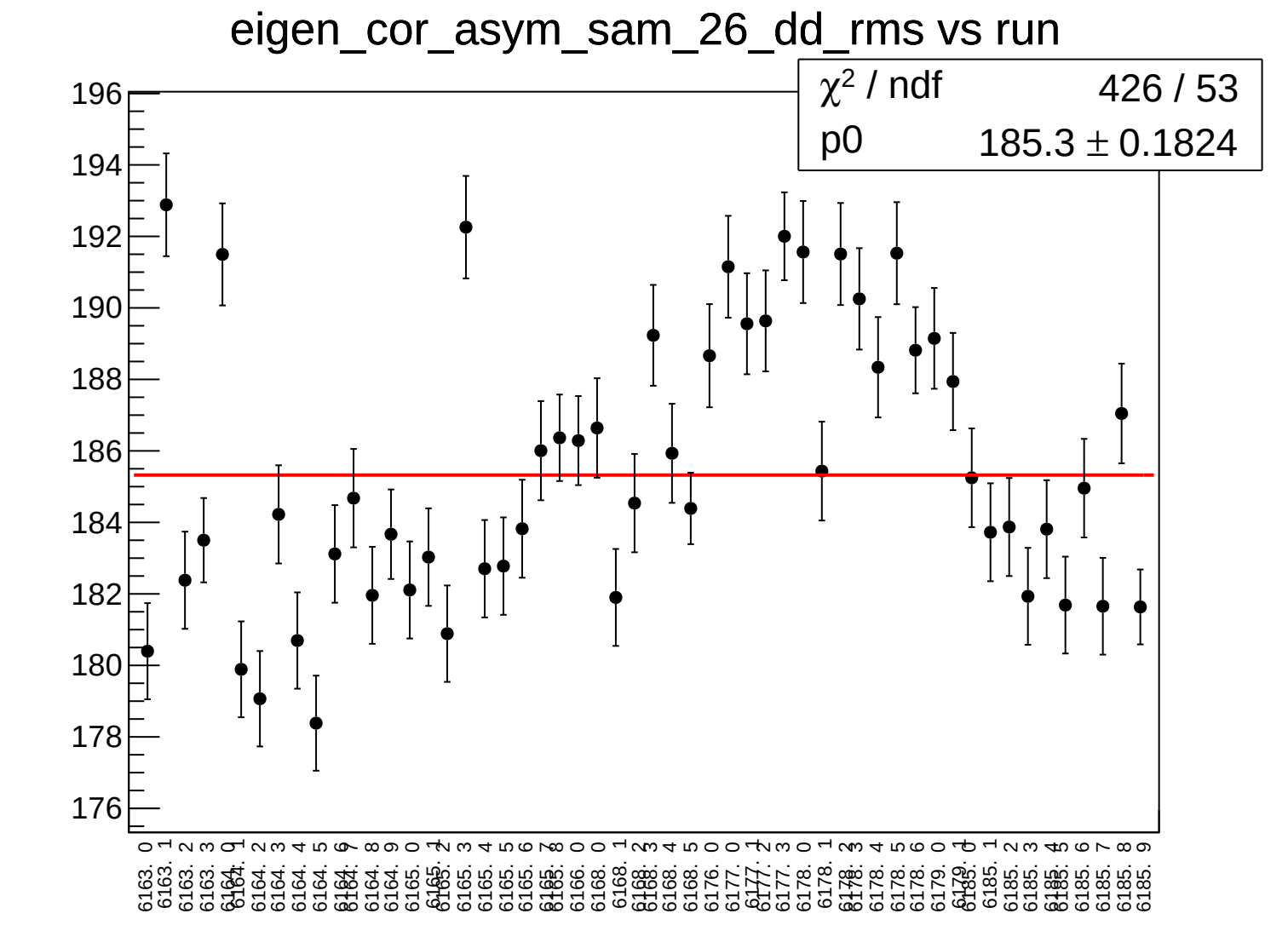

asym_sam_26_dd_cor_correction_mean vs run
×10^3
χ² / ndf 49.27 / 53
p0 8157 ± 4370
100
50
0
−50
−100
−150
pull
Entries 54
Mean 22.5
Std Dev 28.24
2
1
0
−1
−2

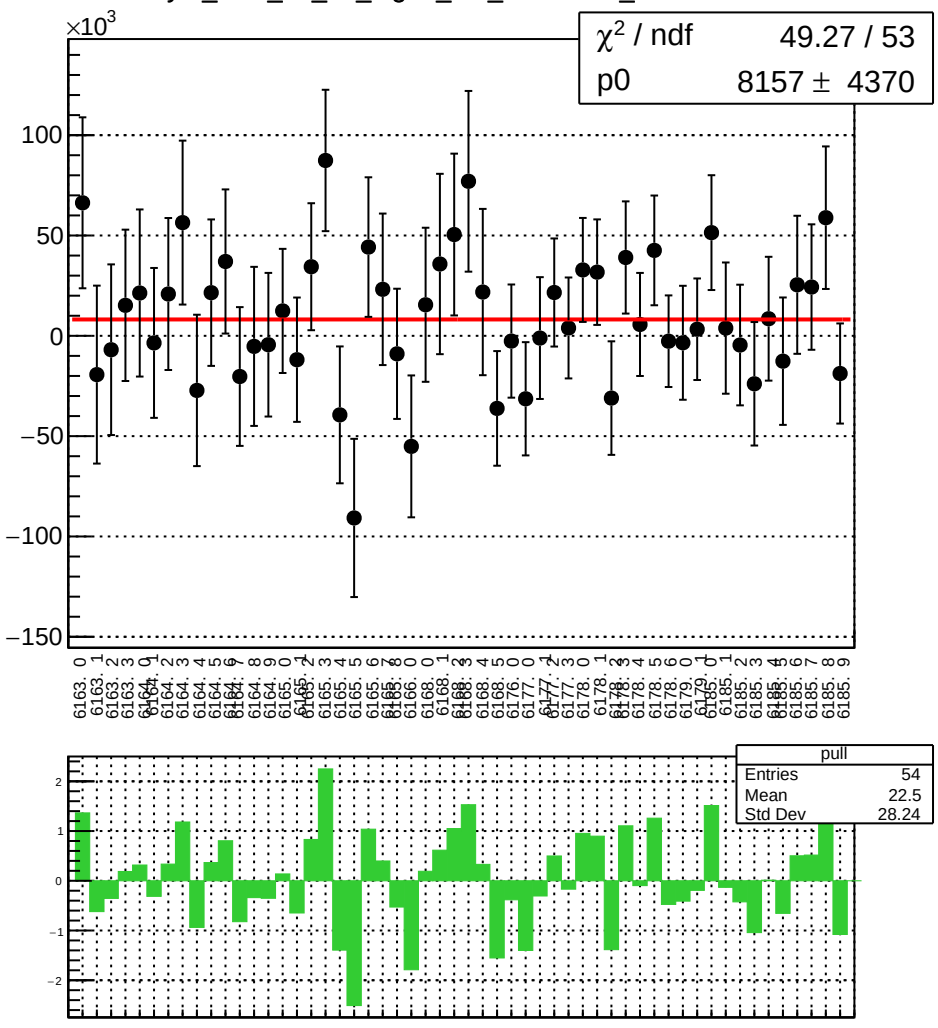

pull1D
Entries 54
Mean 0.02402
Std Dev 0.9549
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

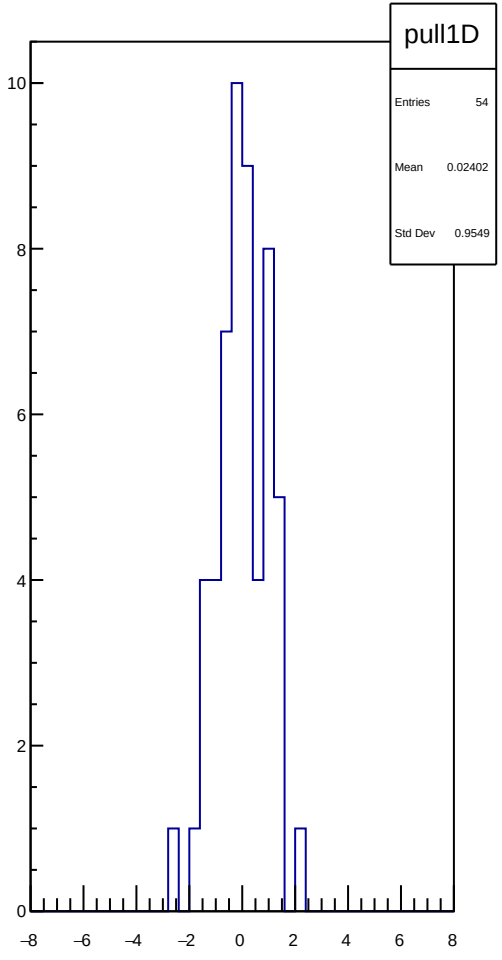

asym_sam_26_dd_cor_correction_rms vs run
χ² / ndf 2.776e+04 / 53
p0 3098 ± 3.09
4400
4200
4000
3800
3600
3400
3200
3000
2800
2600
2400
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

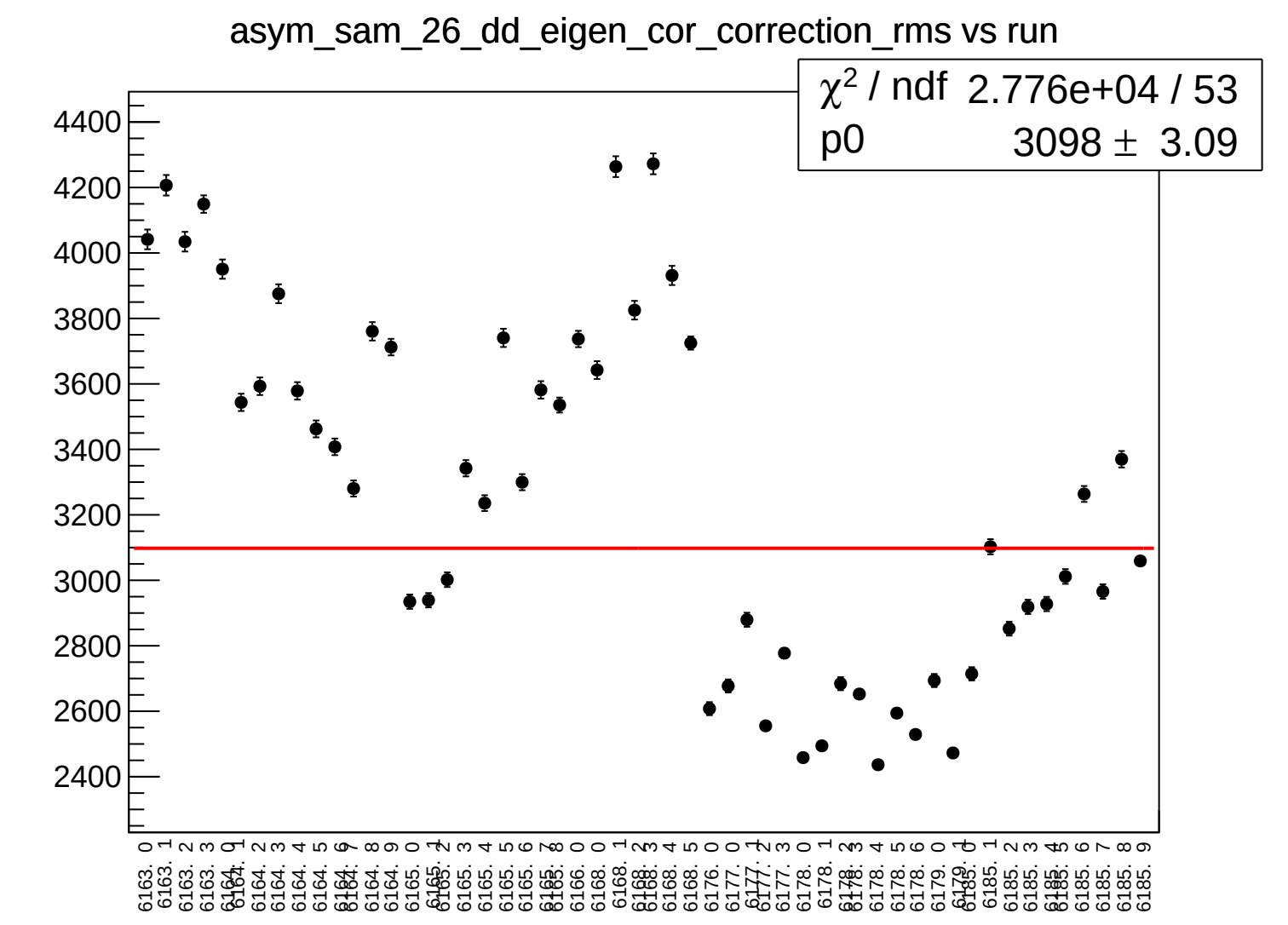

eigen_cor_asym_sam_26_dd_mean vs run
χ² / ndf 63.26 / 53
p0 88.64 ± 257.9
pull
Entries 54
Mean 170.9
Std Dev 0

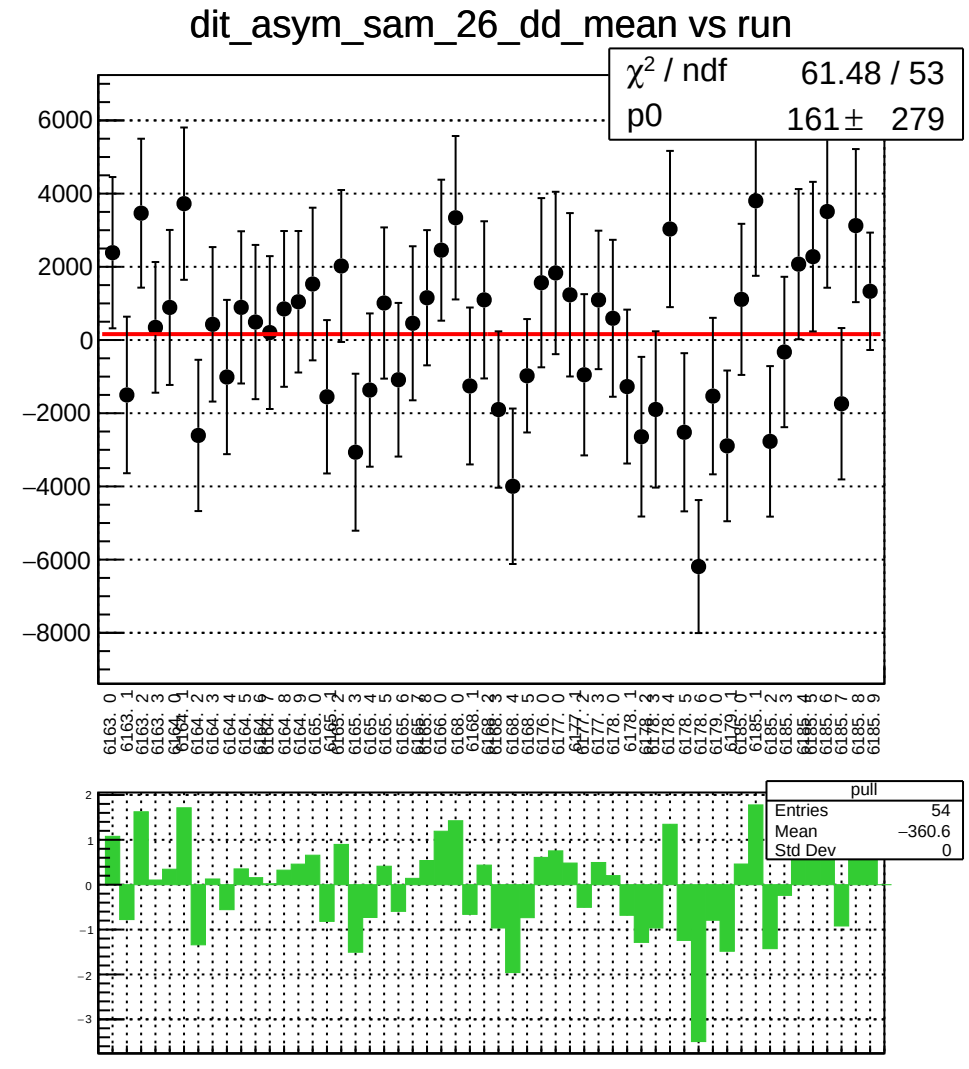

pull1D
Entries 54
Mean −0.003467
Std Dev 1.082

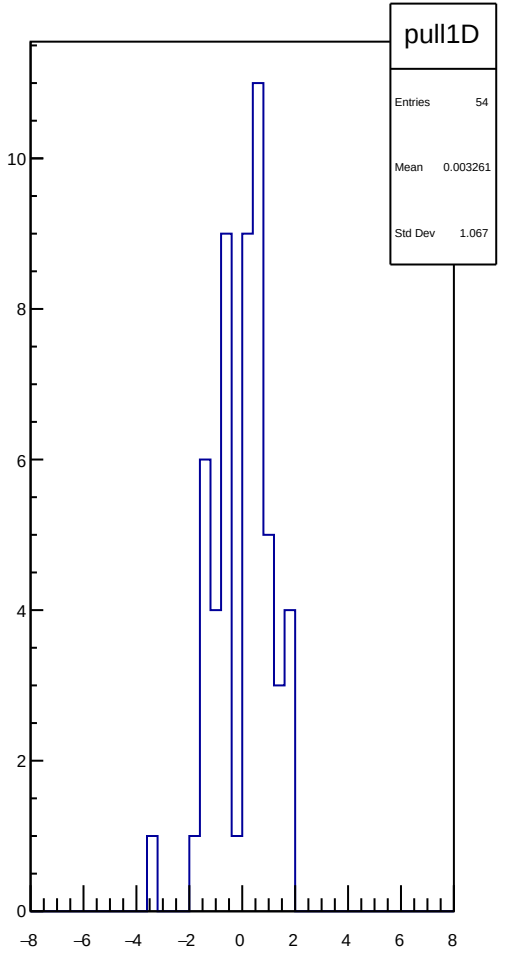

eigen_cor_asym_sam_26_dd_rms vs run
χ² / ndf 426 / 53
p0 185.3 ± 0.1824
196
194
192
190
188
186
184
182
180
178
176
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 2
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

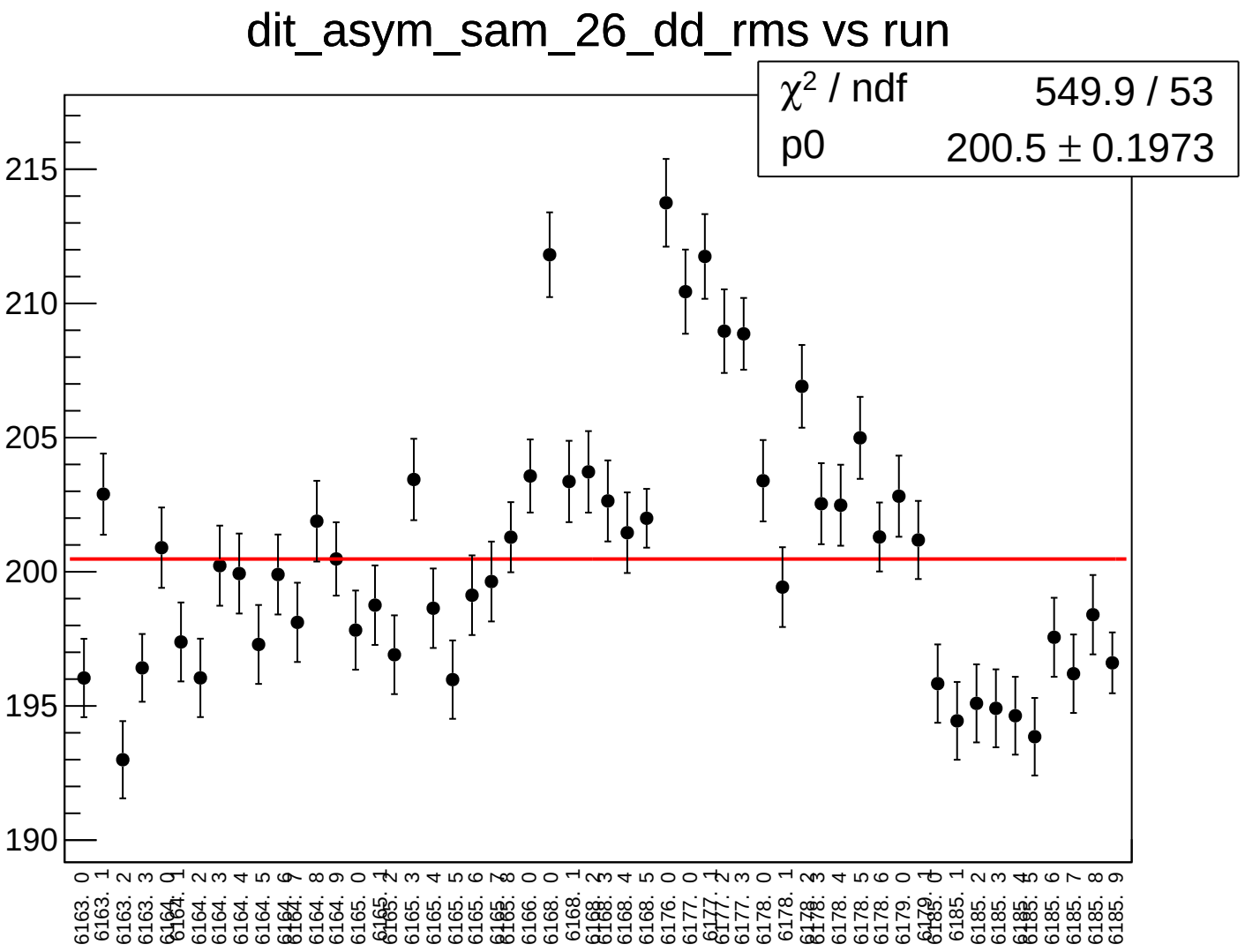

asym_sam_26_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 49.27 / 53
p0 8157 ± 4370
100
50
0
−50
−100
−150
pull
Entries 54
Mean 22.5
Std Dev 28.24
2
1
0
−1
−2

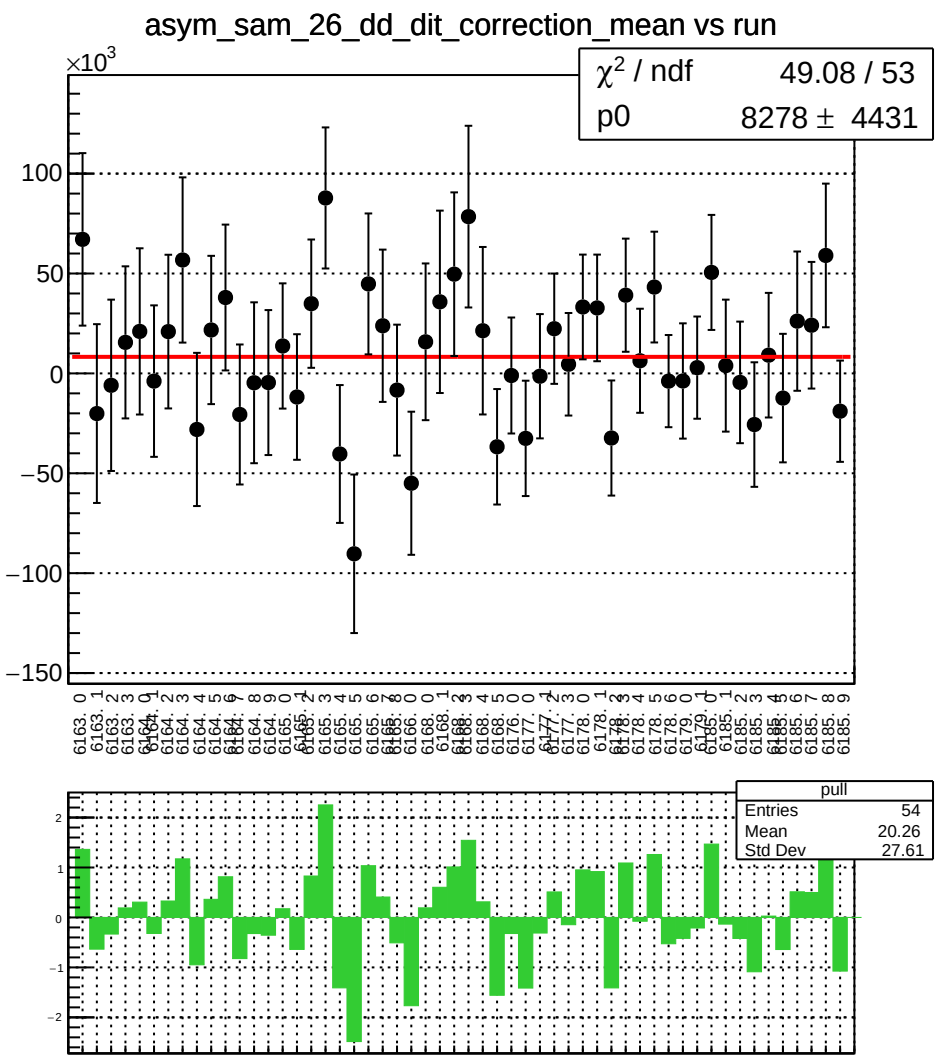

pull1D
Entries 54
Mean 0.02402
Std Dev 0.9549
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

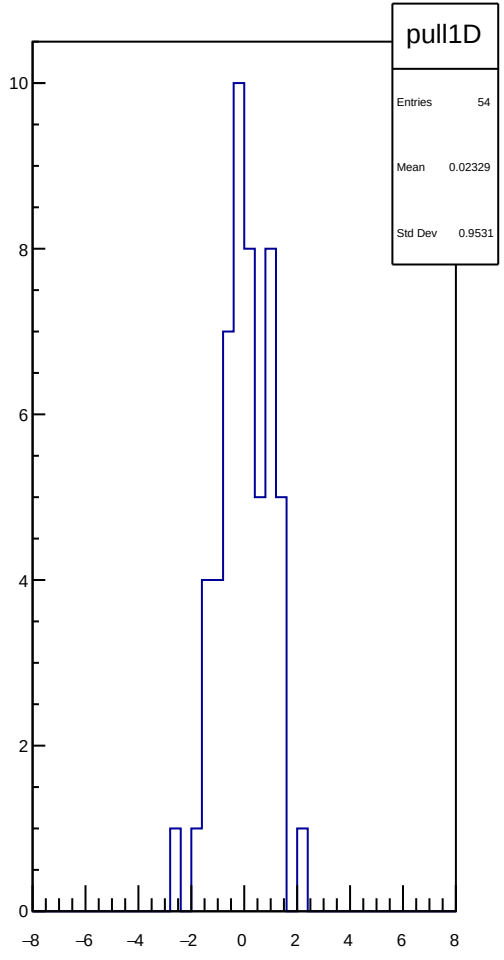

asym_sam_26_dd_eigen_cor_correction_rms vs run
χ² / ndf 2.776e+04 / 53
p0 3098 ± 3.09
4400
4200
4000
3800
3600
3400
3200
3000
2800
2600
2400
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

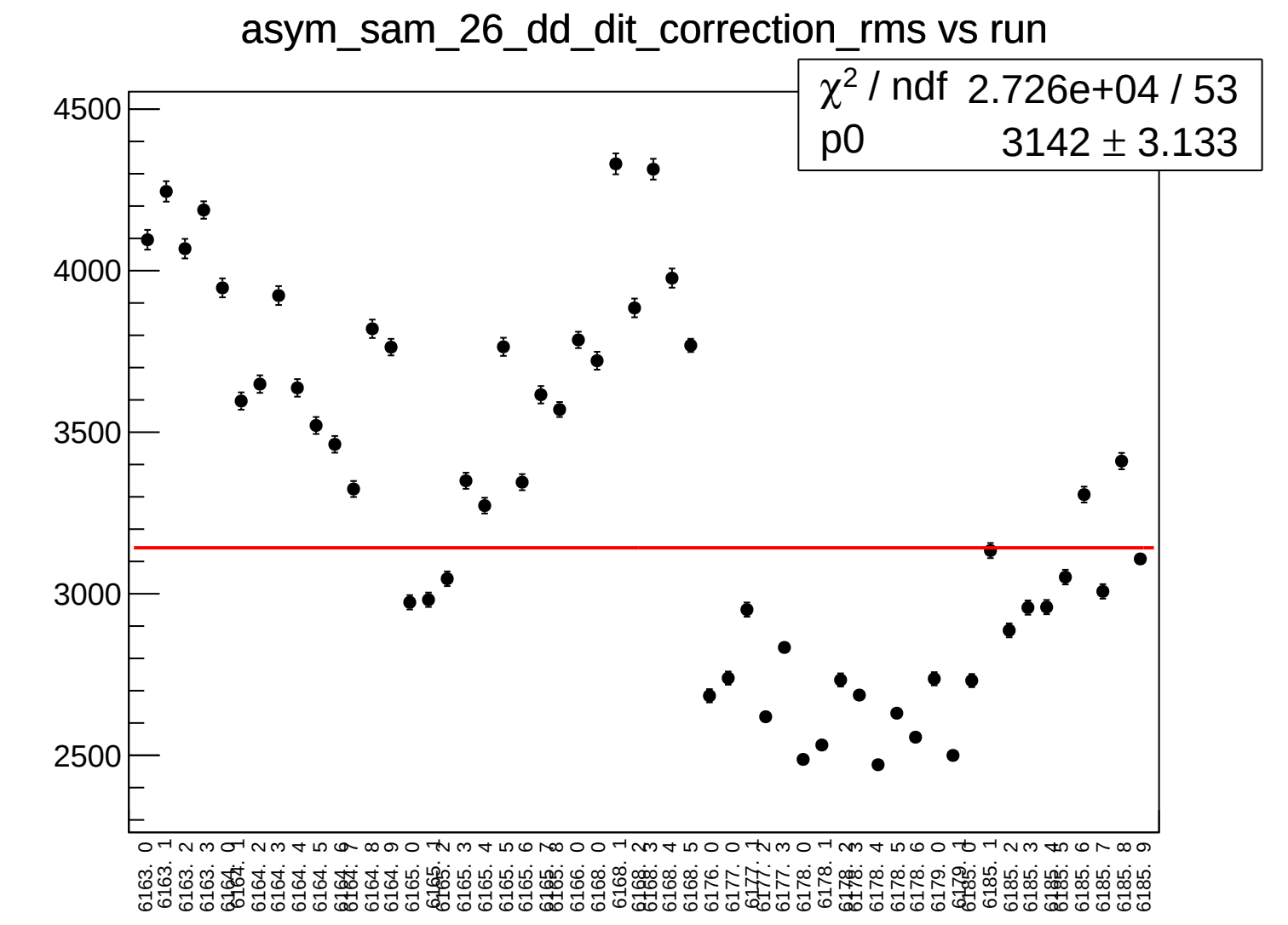

dit_asym_sam_26_dd_mean vs run
χ² / ndf 61.48 / 53
p0 161 ± 279
pull
Entries 54
Mean −360.6
Std Dev 0

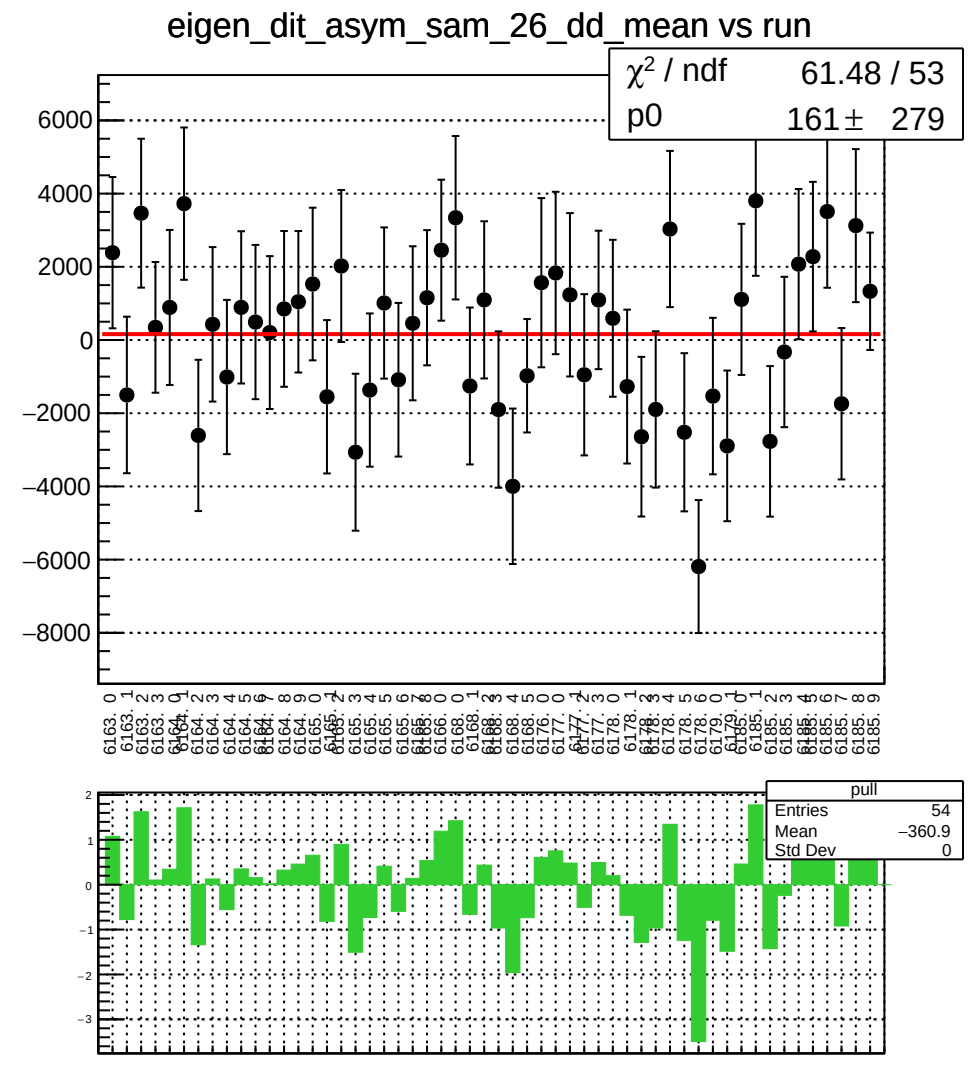

pull1D
Entries 54
Mean 0.003261
Std Dev 1.067

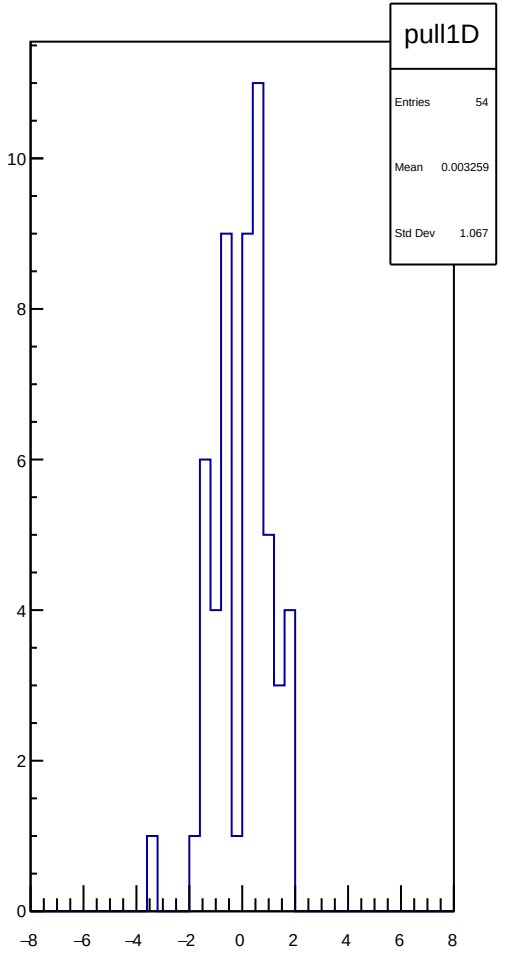

dit_asym_sam_26_dd_rms vs run
χ² / ndf 549.9 / 53
p0 200.5 ± 0.1973
215
210
205
200
195
190
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

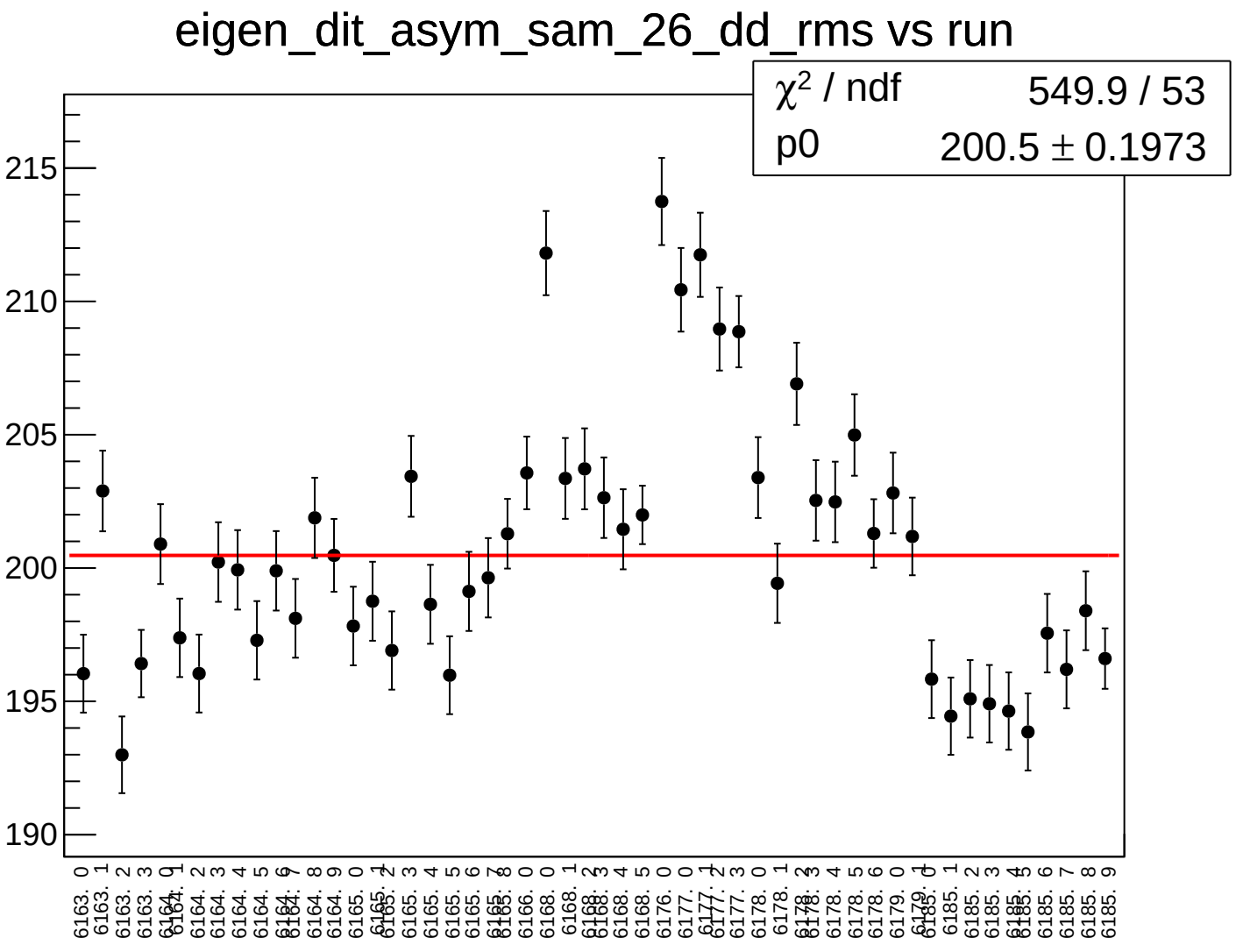

asym_sam_26_dd_dit_correction_mean vs run
×10^3
χ^2 / ndf 49.08 / 53
p0 8278 ± 4431
100
50
0
−50
−100
−150
pull
Entries 54
Mean 20.26
Std Dev 27.61
2
1
0
−1
−2

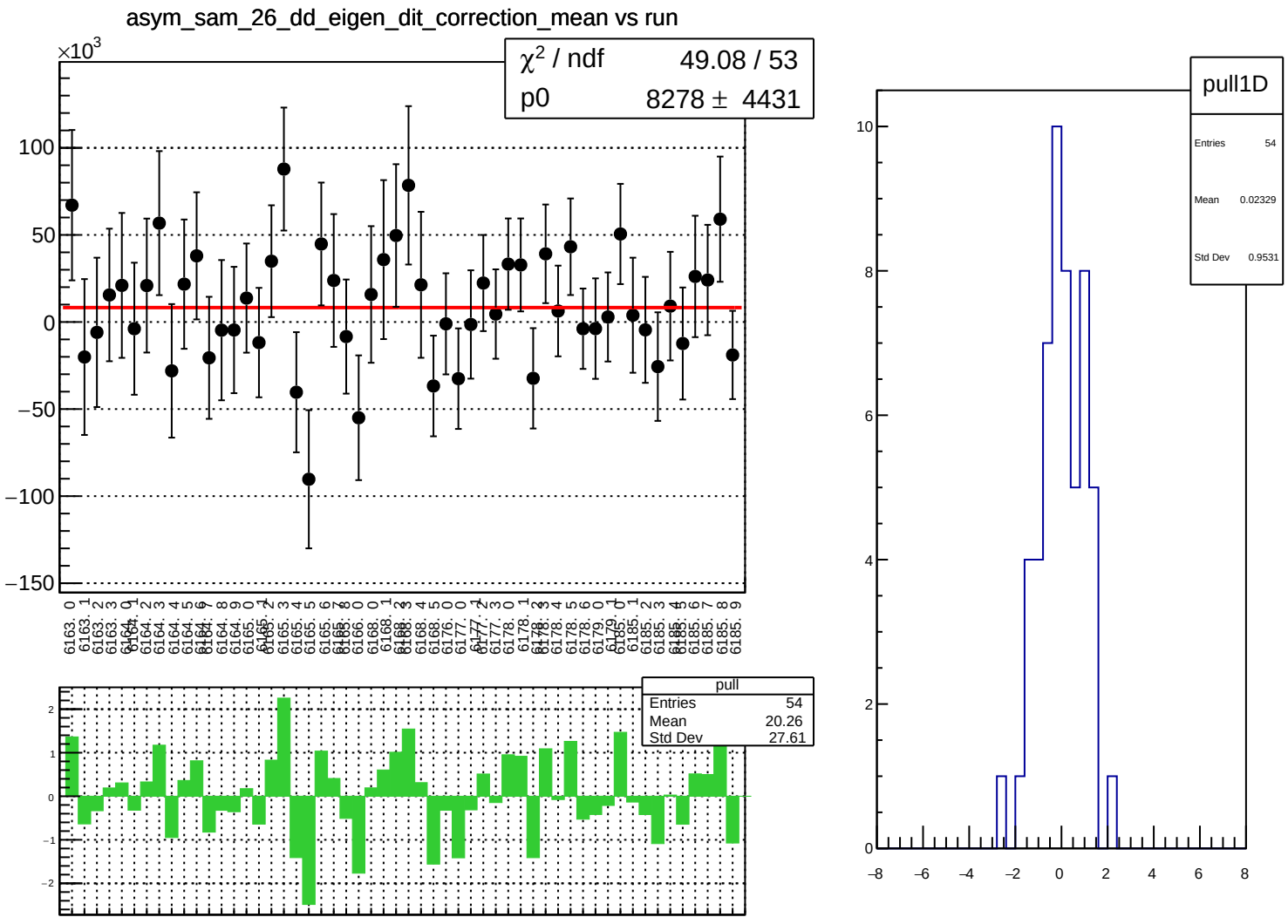

pull1D
Entries 54
Mean 0.02329
Std Dev 0.9531
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

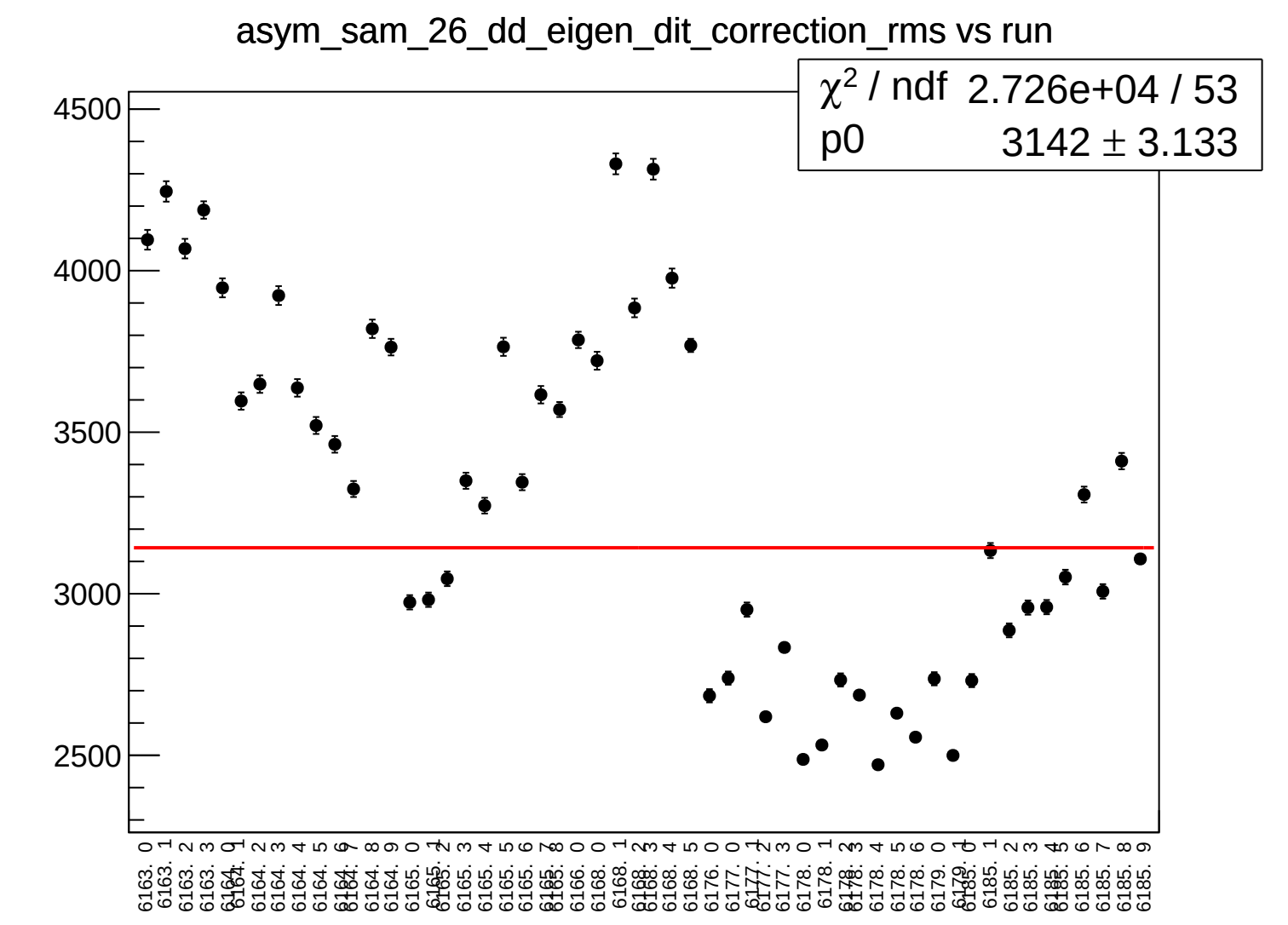

asym_sam_26_dd_dit_correction_rms vs run
χ² / ndf 2.726e+04 / 53
p0 3142 ± 3.133
4500
4000
3500
3000
2500
6163. 0
6163. 1
6163. 2
6163. 3
6163. 9
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 6
6164. 7
6164. 8
6164. 9
6165. 0
6165. 1
6165. 2
6165. 3
6165. 4
6165. 5
6165. 6
6165. 7
6165. 8
6166. 0
6168. 1
6168. 2
6168. 3
6168. 4
6168. 5
6176. 0
6177. 0
6177. 1
6177. 2
6177. 3
6178. 0
6178. 1
6178. 2
6178. 3
6178. 4
6178. 5
6178. 6
6179. 0
6179. 1
6185. 0
6185. 1
6185. 2
6185. 3
6185. 4
6185. 5
6185. 6
6185. 7
6185. 8
6185. 9

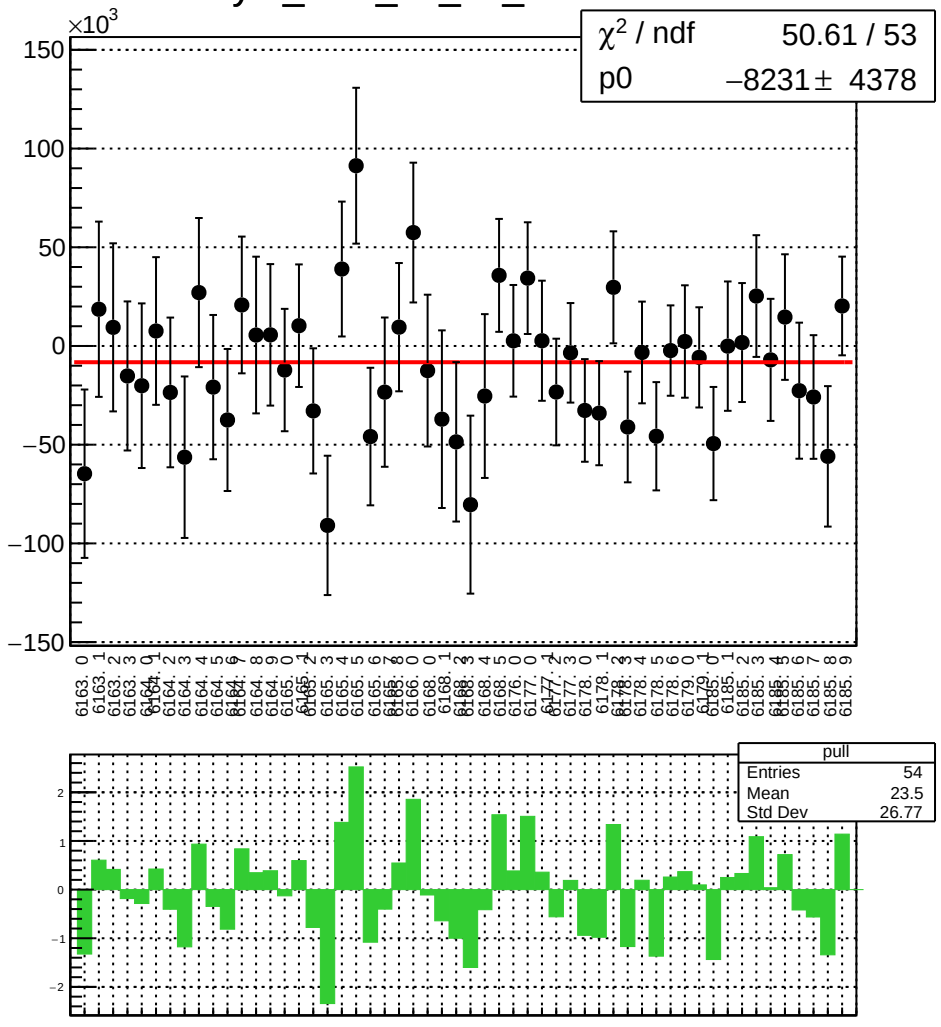

eigen_dit_asym_sam_26_dd_mean vs run
χ² / ndf 61.48 / 53
p0 161 ± 279
pull
Entries 54
Mean −360.9
Std Dev 0

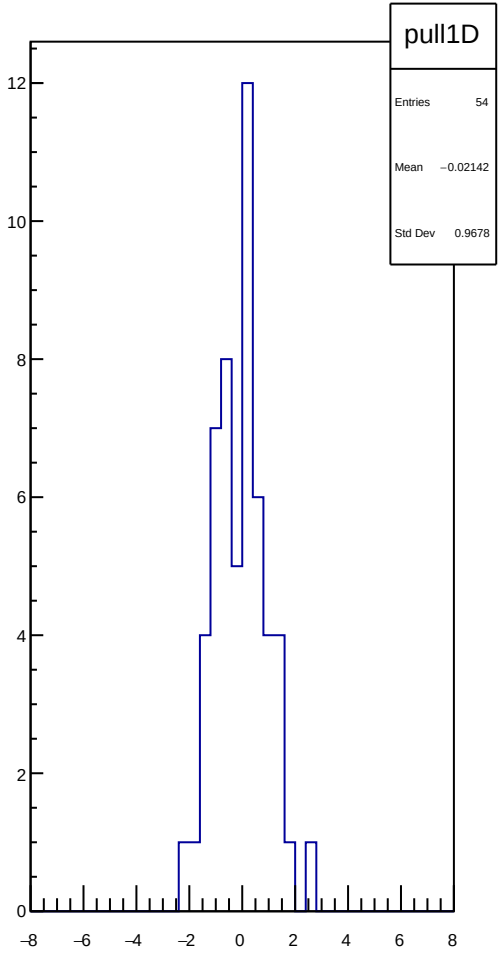

pull1D
Entries 54
Mean 0.003259
Std Dev 1.067

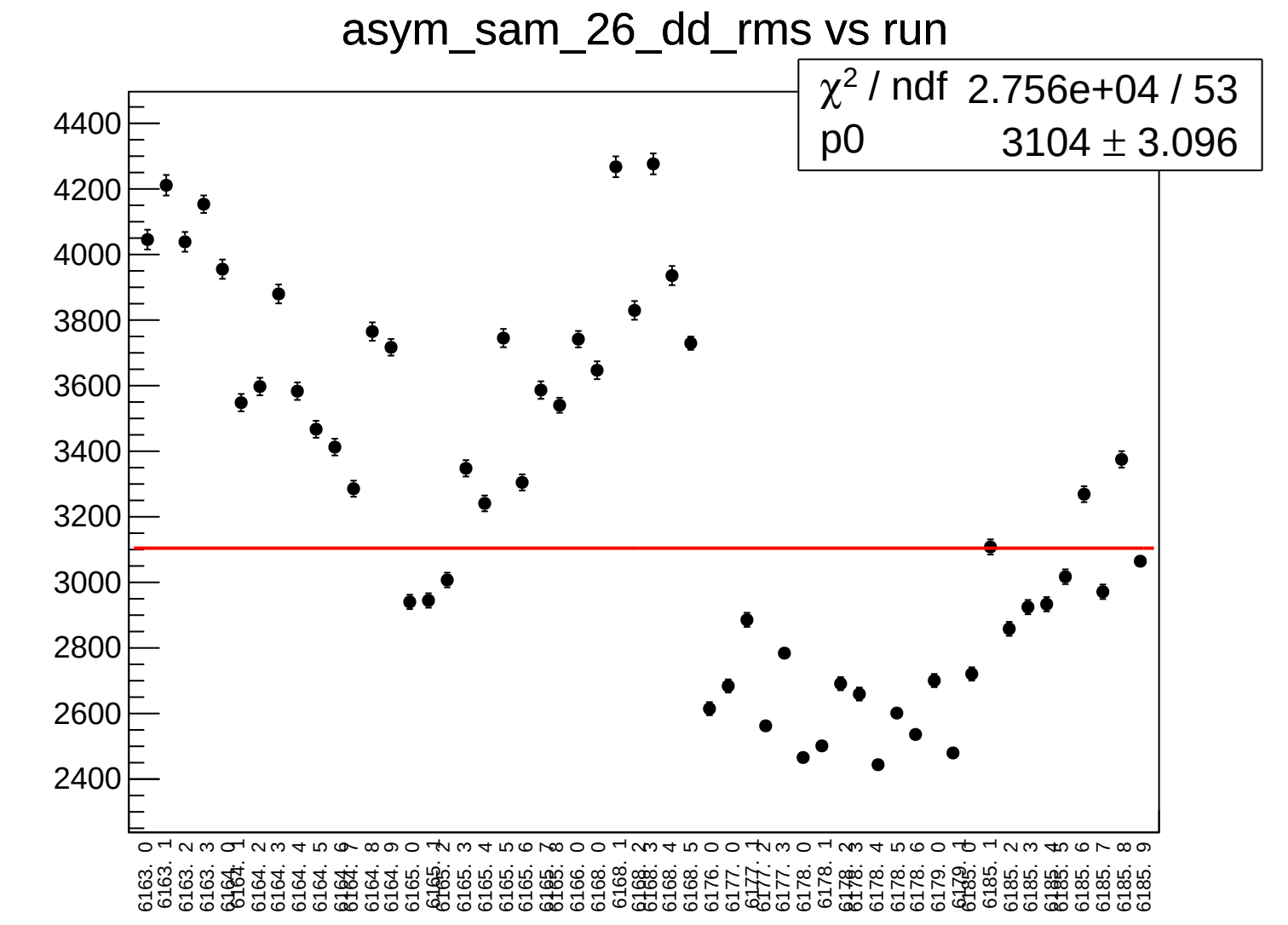

eigen_dit_asym_sam_26_dd_rms vs run
χ² / ndf 549.9 / 53
p0 200.5 ± 0.1973
215
210
205
200
195
190
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

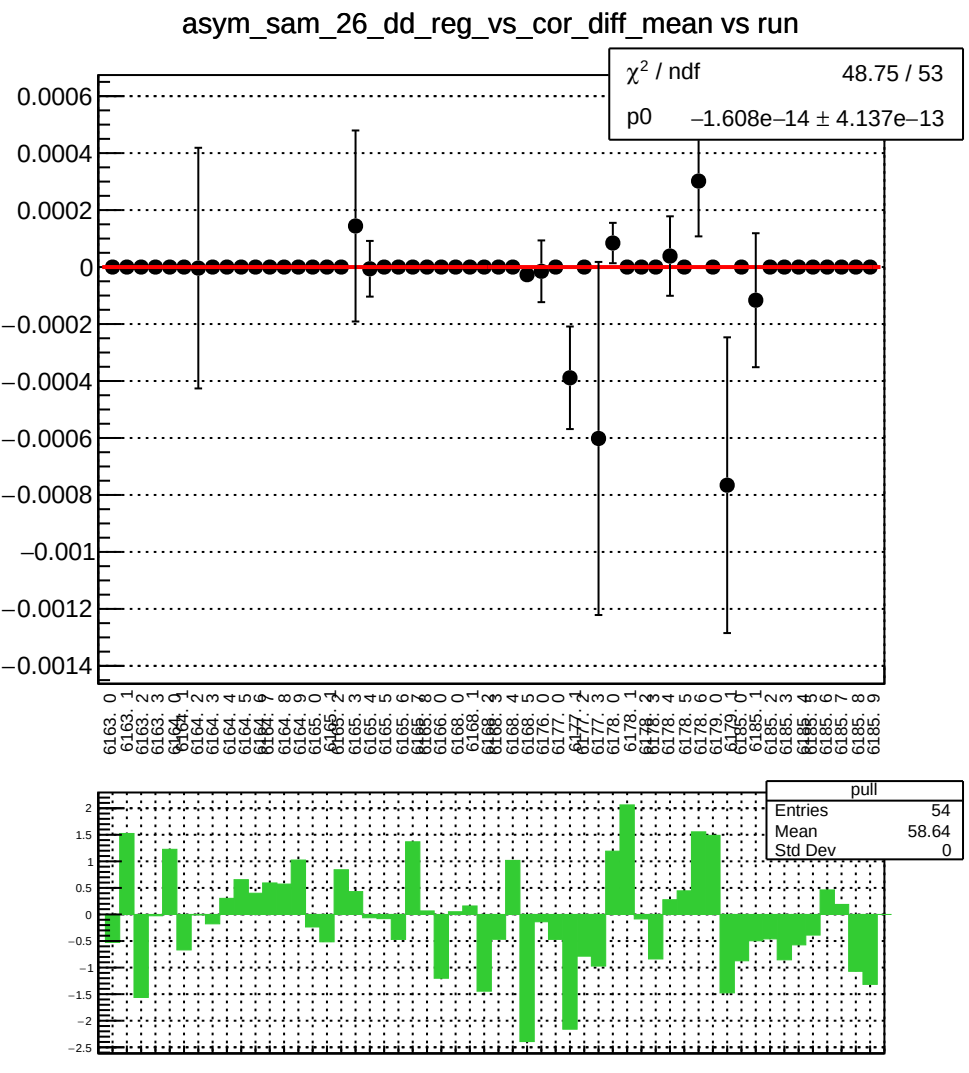

asym_sam_26_dd_eigen_dit_correction_mean vs run
χ² / ndf 49.08 / 53
p0 8278 ± 4431
×10³
pull
Entries 54
Mean 20.26
Std Dev 27.61
pull1D
Entries 54
Mean 0.02329
Std Dev 0.9531

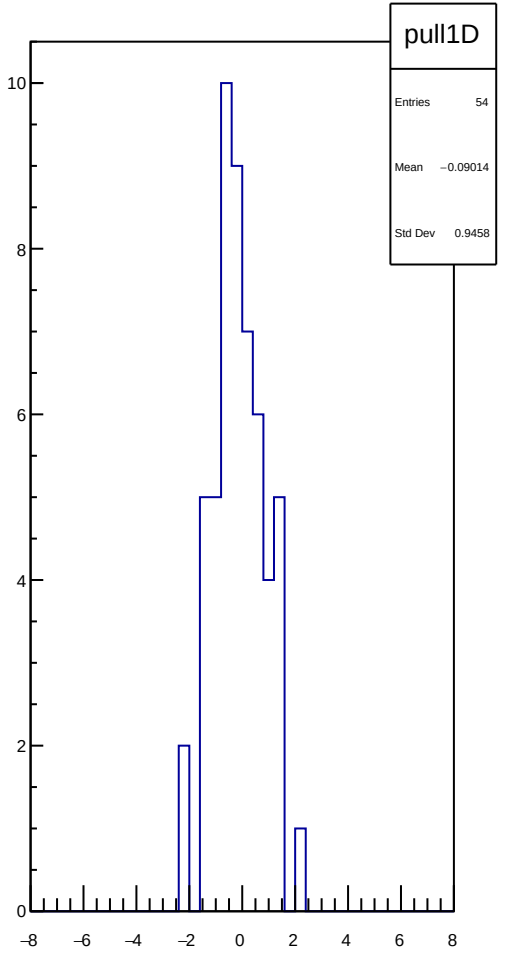

asym_sam_26_dd_eigen_dit_correction_rms vs run
χ² / ndf 2.726e+04 / 53
p0 3142 ± 3.133
4500
4000
3500
3000
2500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

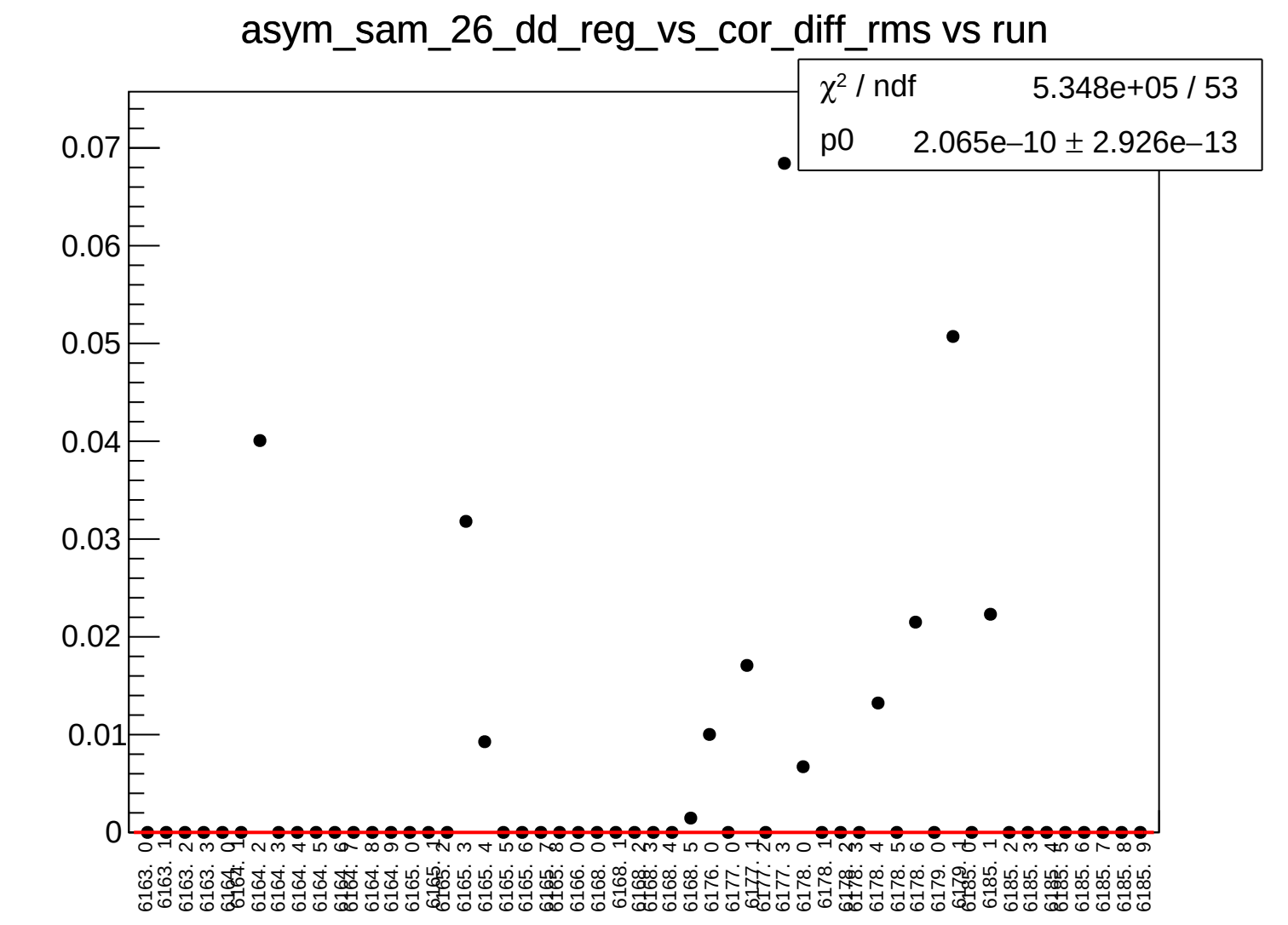

asym_sam_26_dd_mean vs run
×10^3
χ² / ndf 50.61 / 53
p0 −8231 ± 4378
150
100
50
0
−50
−100
−150
pull
Entries 54
Mean 23.5
Std Dev 26.77
2
1
0
−1
−2

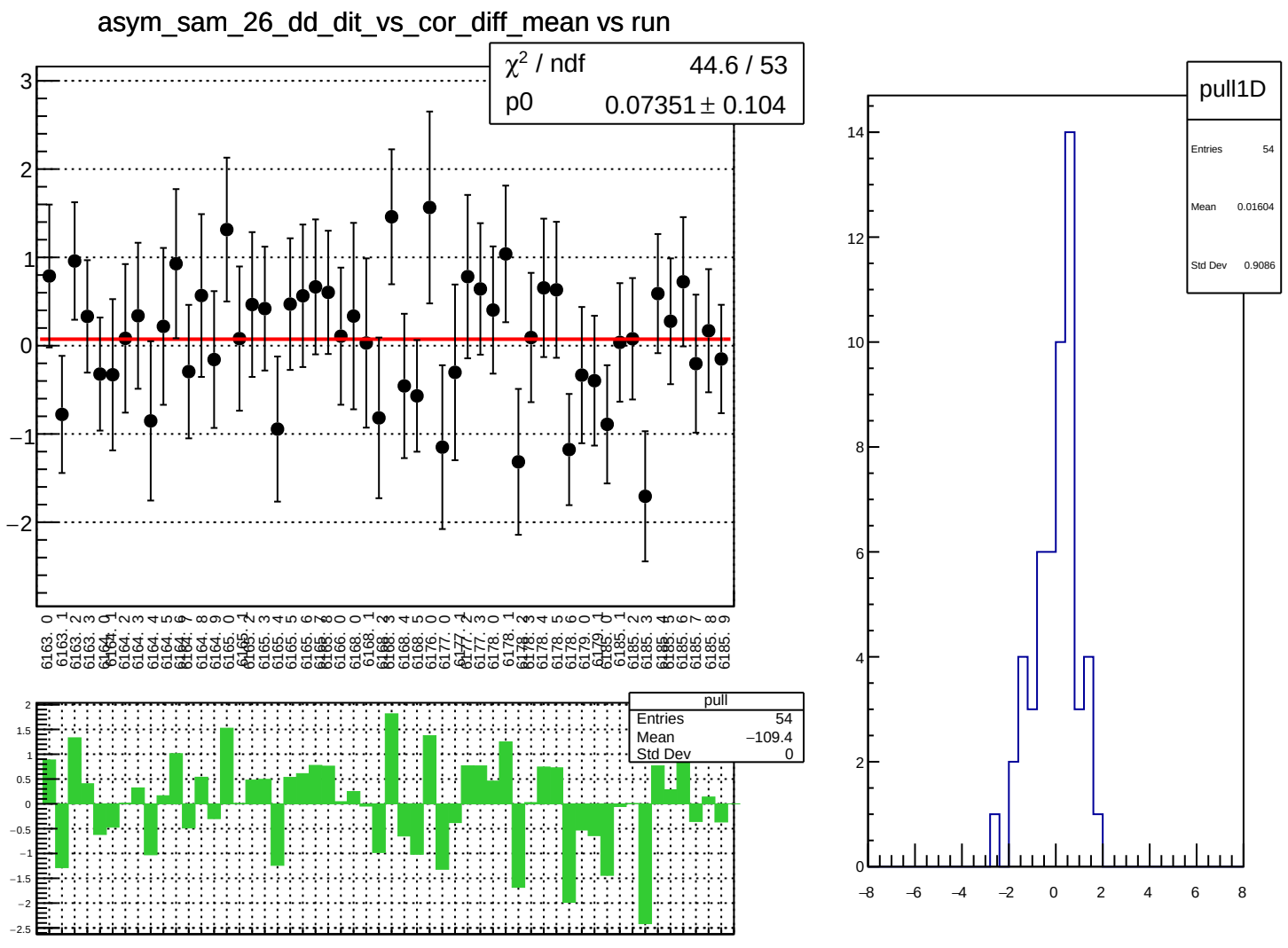

pull1D
Entries 54
Mean −0.02142
Std Dev 0.9678
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

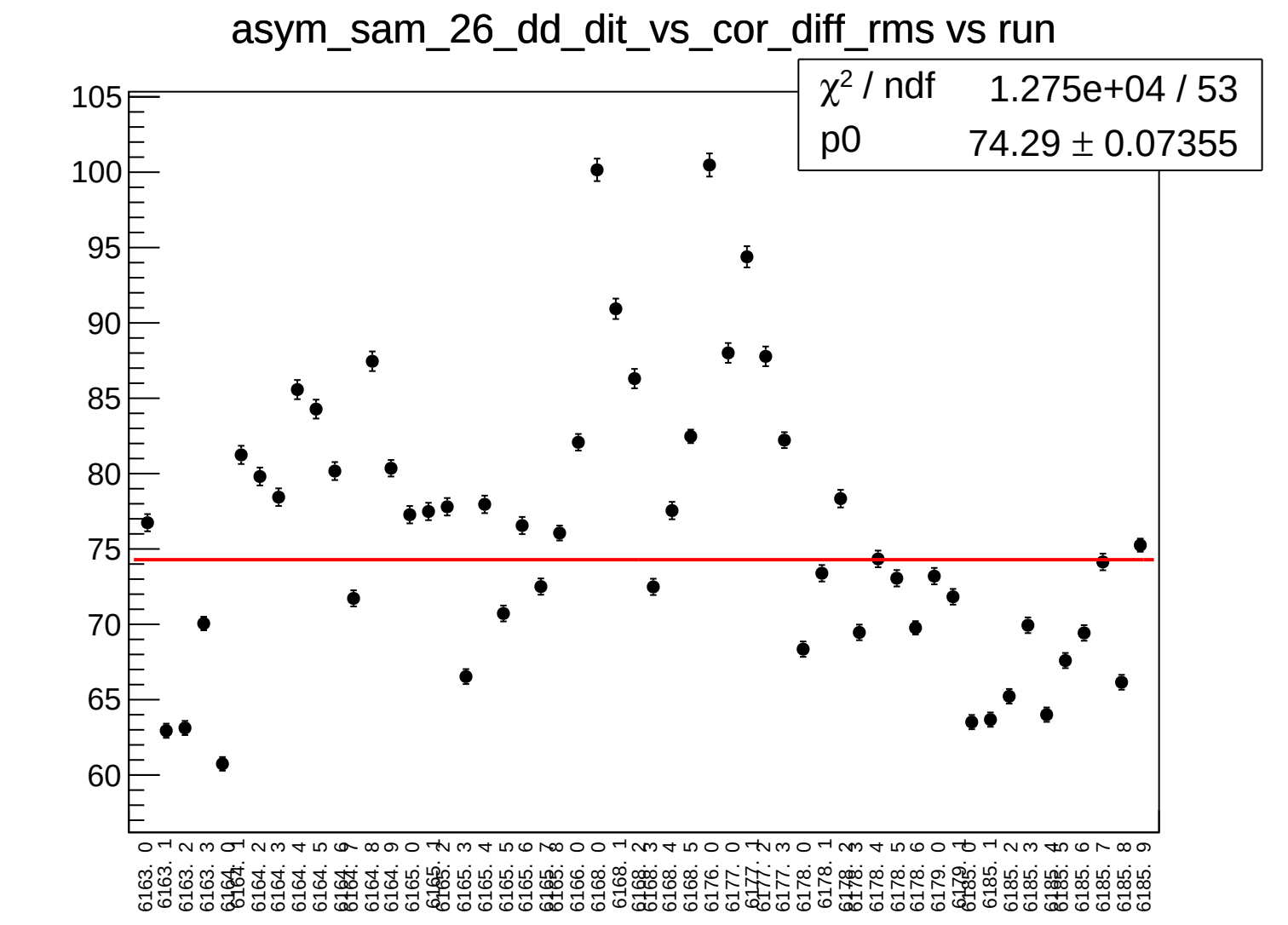

asym_sam_26_dd_rms vs run
χ² / ndf 2.756e+04 / 53
p0 3104 ± 3.096
4400
4200
4000
3800
3600
3400
3200
3000
2800
2600
2400
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

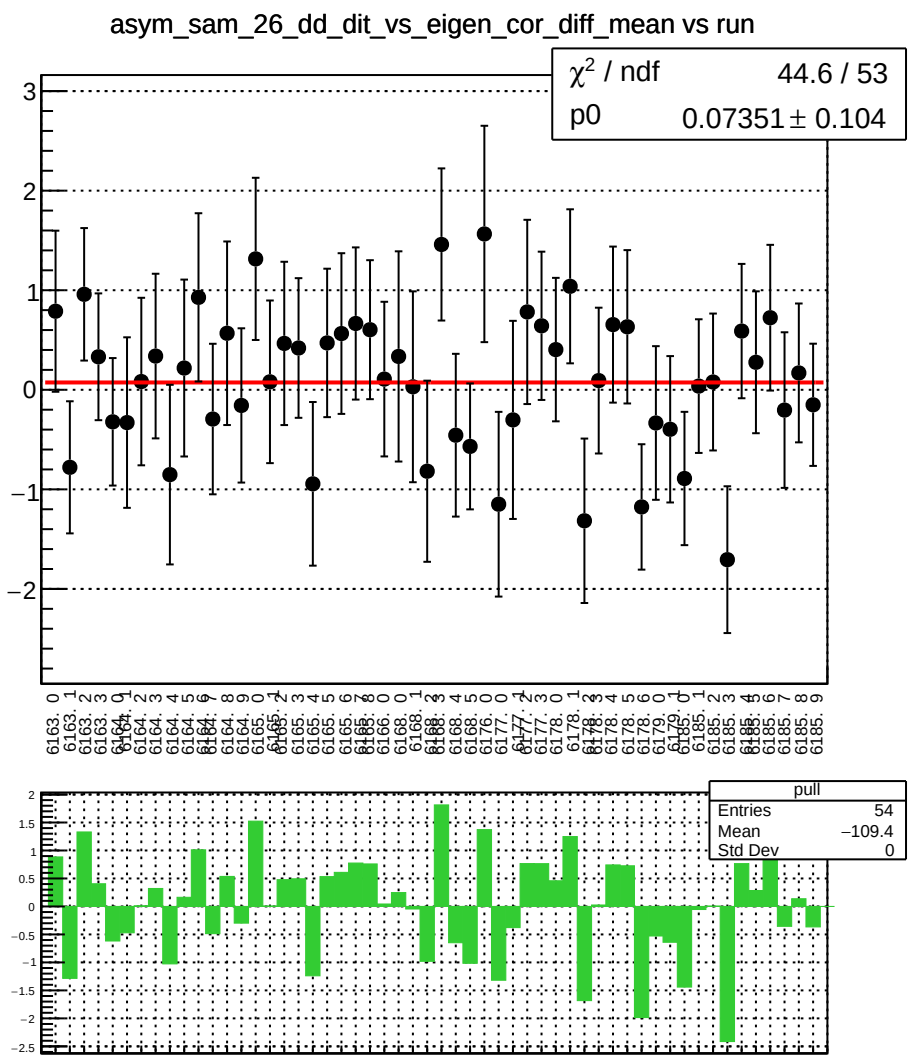

asym_sam_26_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 48.75 / 53
p0 −1.608e−14 ± 4.137e−13
pull
Entries 54
Mean 58.64
Std Dev 0

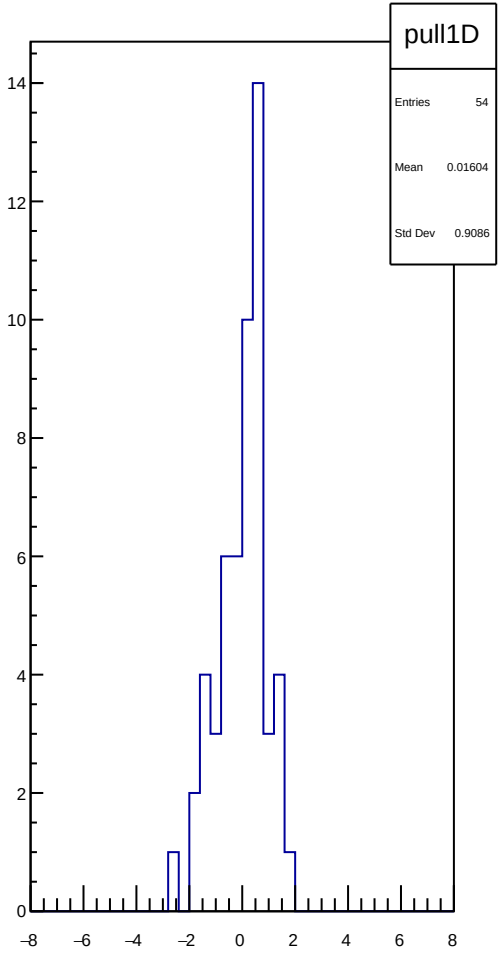

pull1D
Entries 54
Mean −0.09014
Std Dev 0.9458

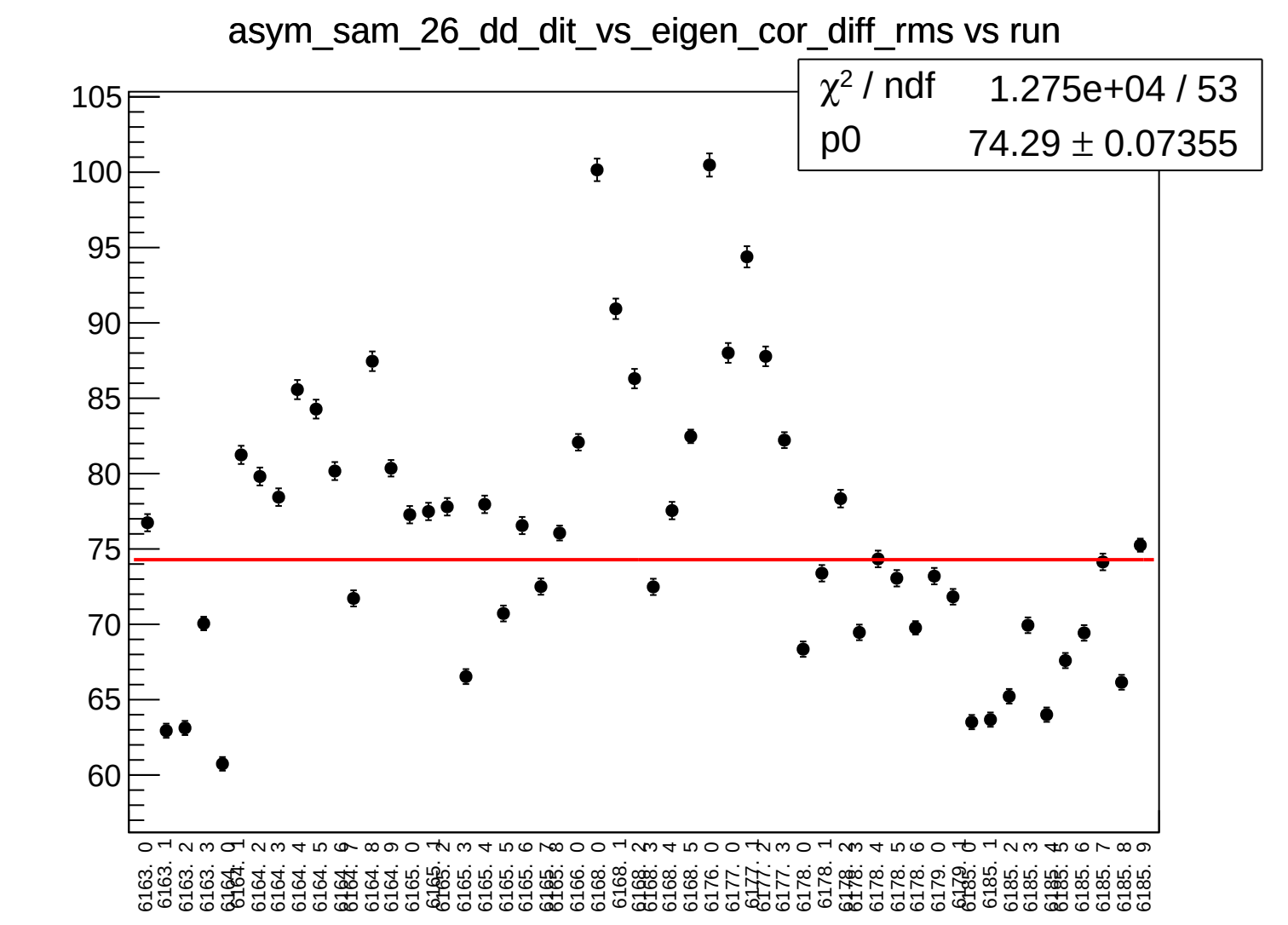

asym_sam_26_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.348e+05 / 53
p0 2.065e−10 ± 2.926e−13
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 2
6165. 3
6165. 4
6165. 5
6165. 6
6165. 7
6165. 8
6166. 0
6168. 0
6168. 1
6168. 2
6168. 3
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 3
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 5
6185. 6
6185. 7
6185. 8
6185. 9

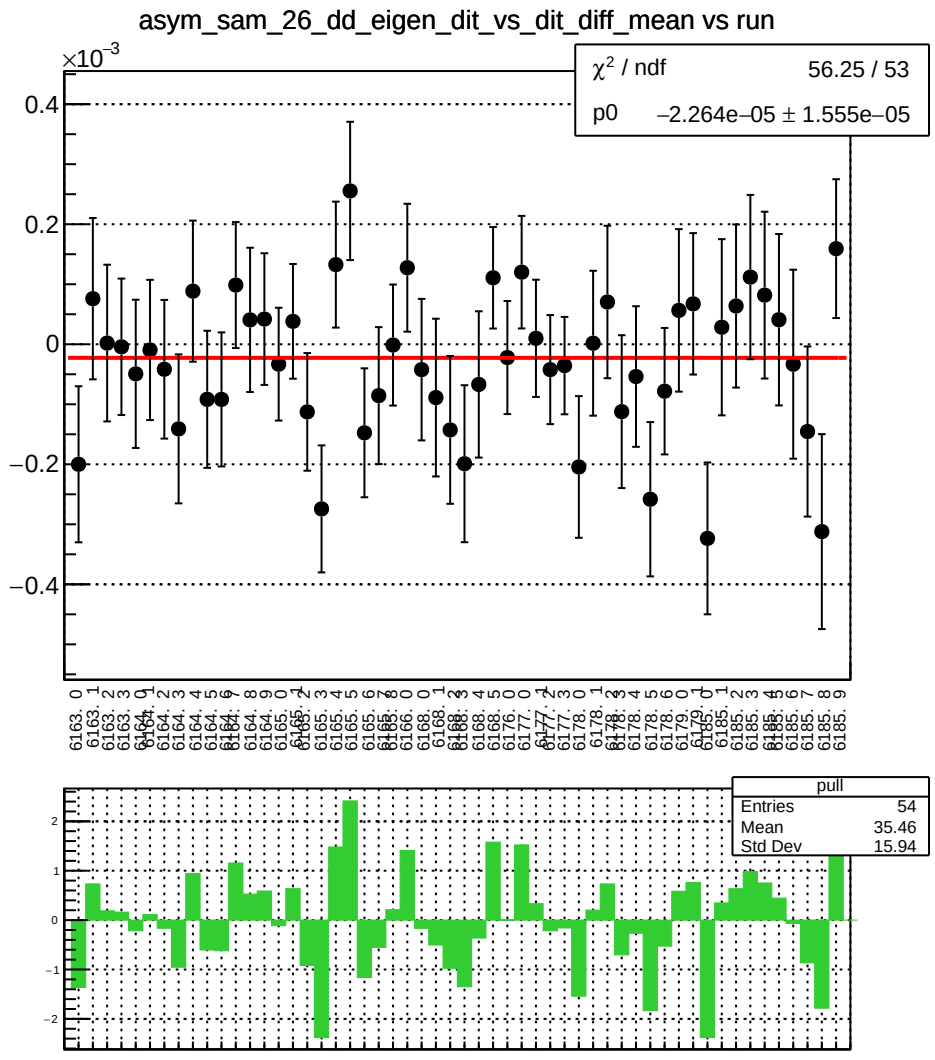

asym_sam_26_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 44.6 / 53
p0 0.07351 ± 0.104
pull
Entries 54
Mean −109.4
Std Dev 0
pull1D
Entries 54
Mean 0.01604
Std Dev 0.9086

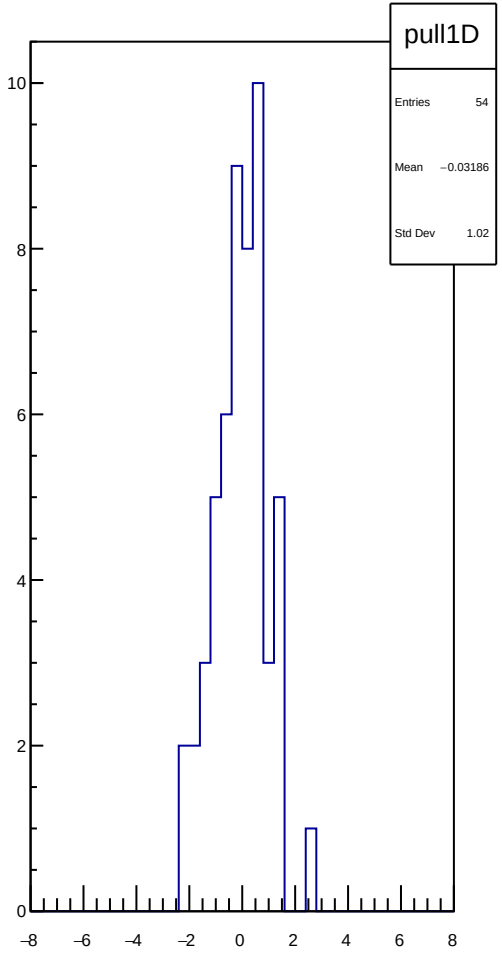

asym_sam_26_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.275e+04 / 53
p0 74.29 ± 0.07355
105
100
95
90
85
80
75
70
65
60
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

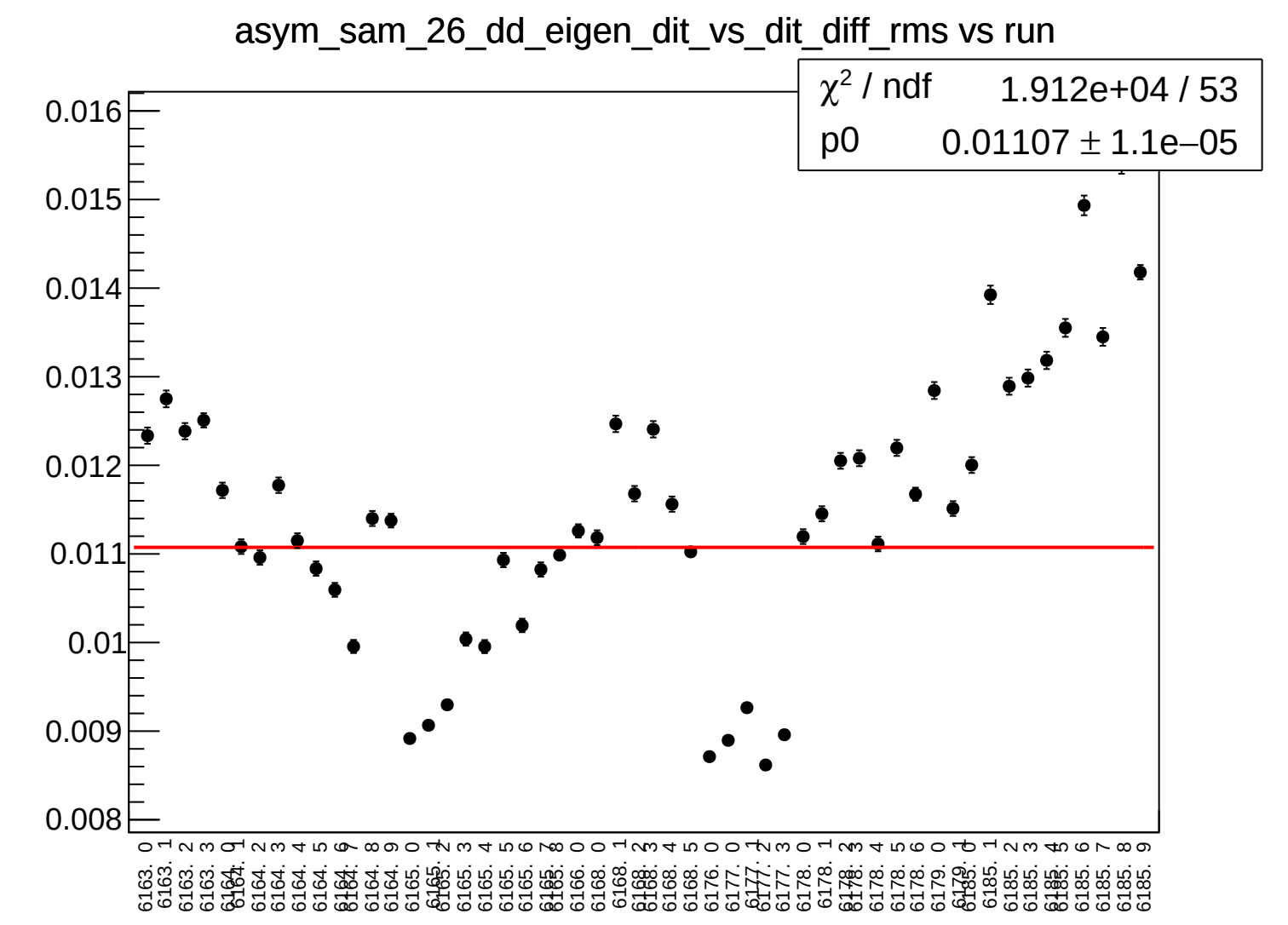

asym_sam_26_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 44.6 / 53
p0 0.07351 ± 0.104
pull
Entries 54
Mean −109.4
Std Dev 0

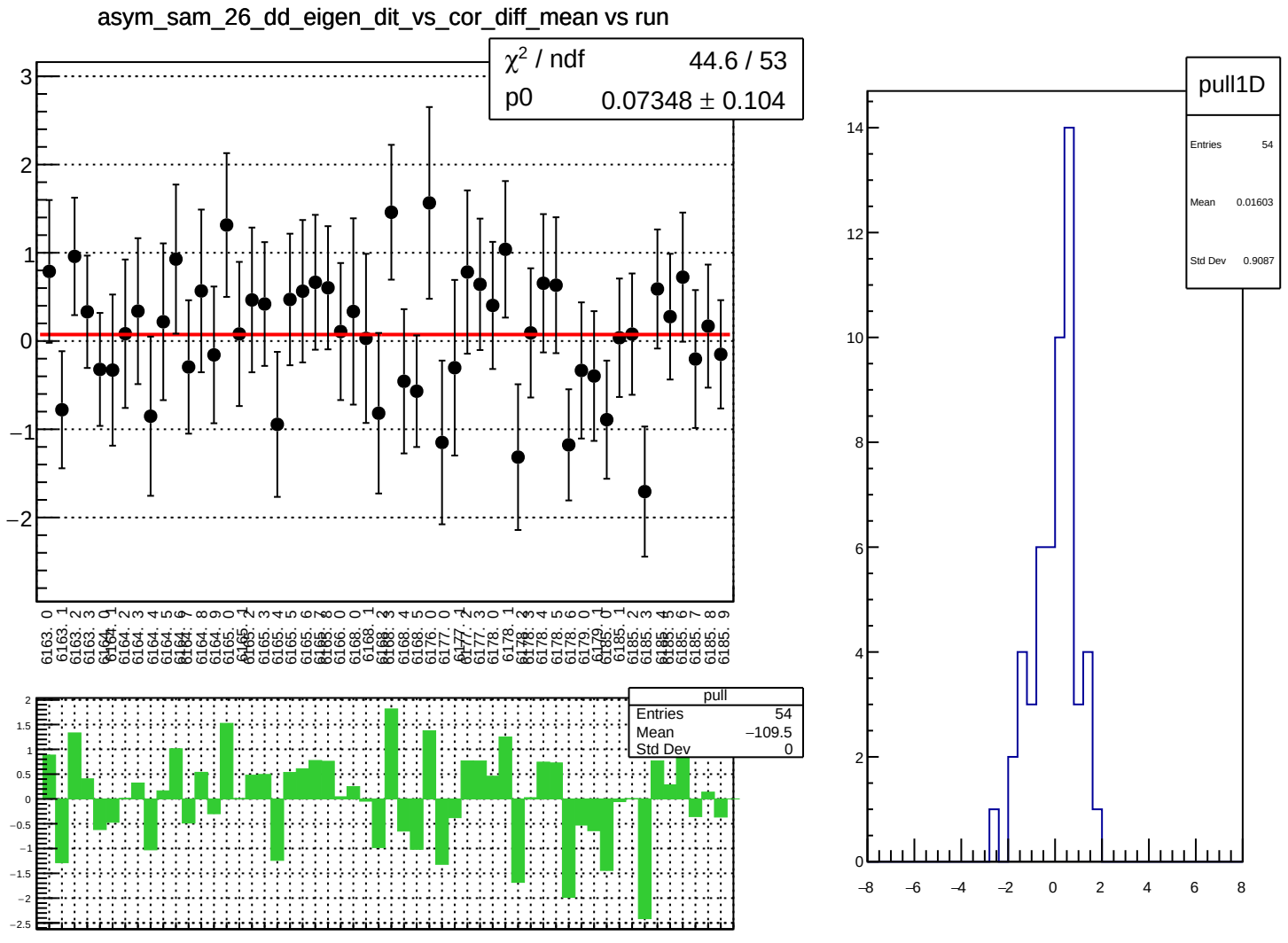

pull1D
Entries 54
Mean 0.01604
Std Dev 0.9086

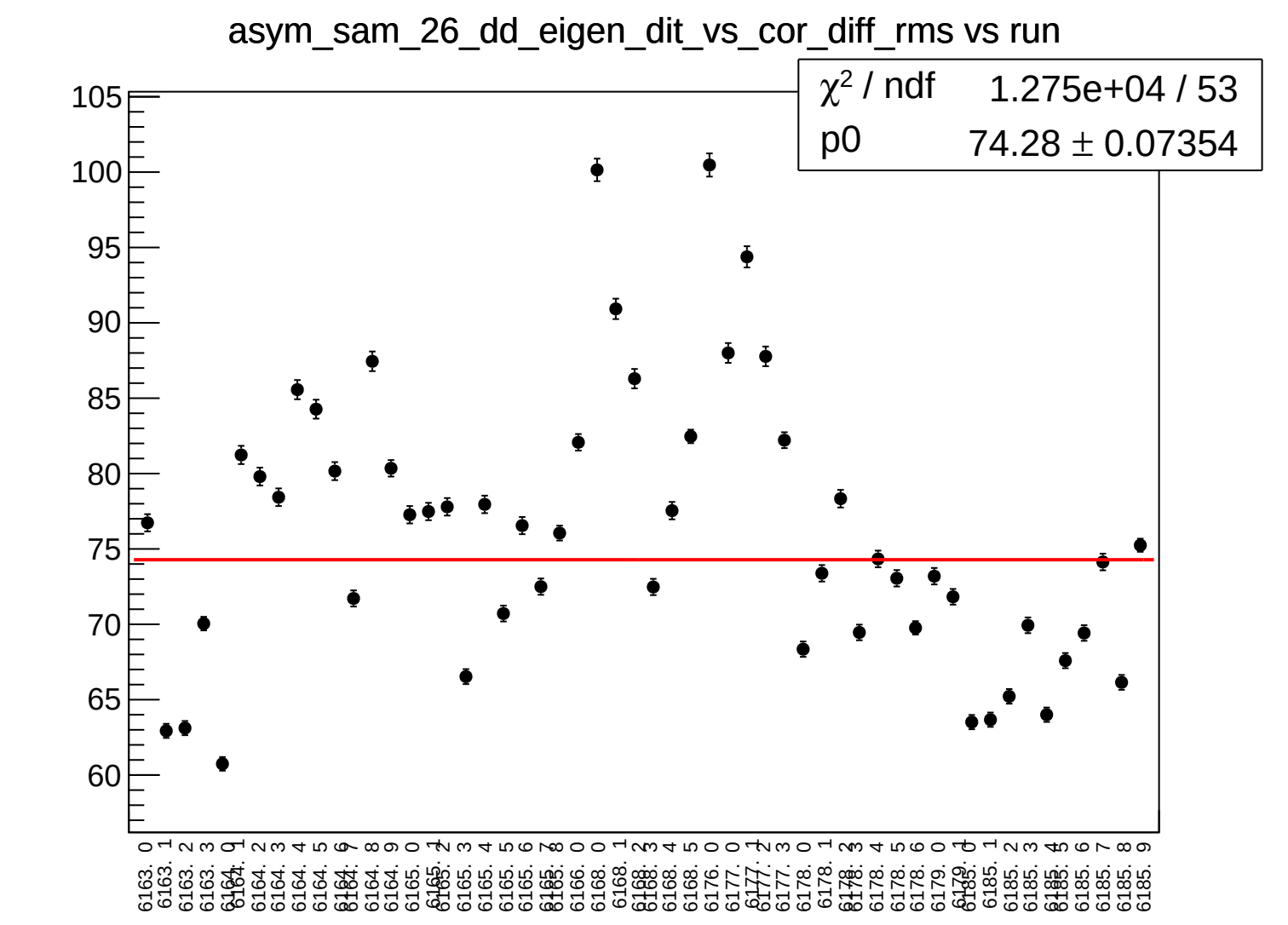

asym_sam_26_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.275e+04 / 53
p0 74.29 ± 0.07355
105
100
95
90
85
80
75
70
65
60
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


asym_sam_26_dd_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 56.25 / 53
p0 −2.264e−05 ± 1.555e−05
pull
Entries 54
Mean 35.46
Std Dev 15.94

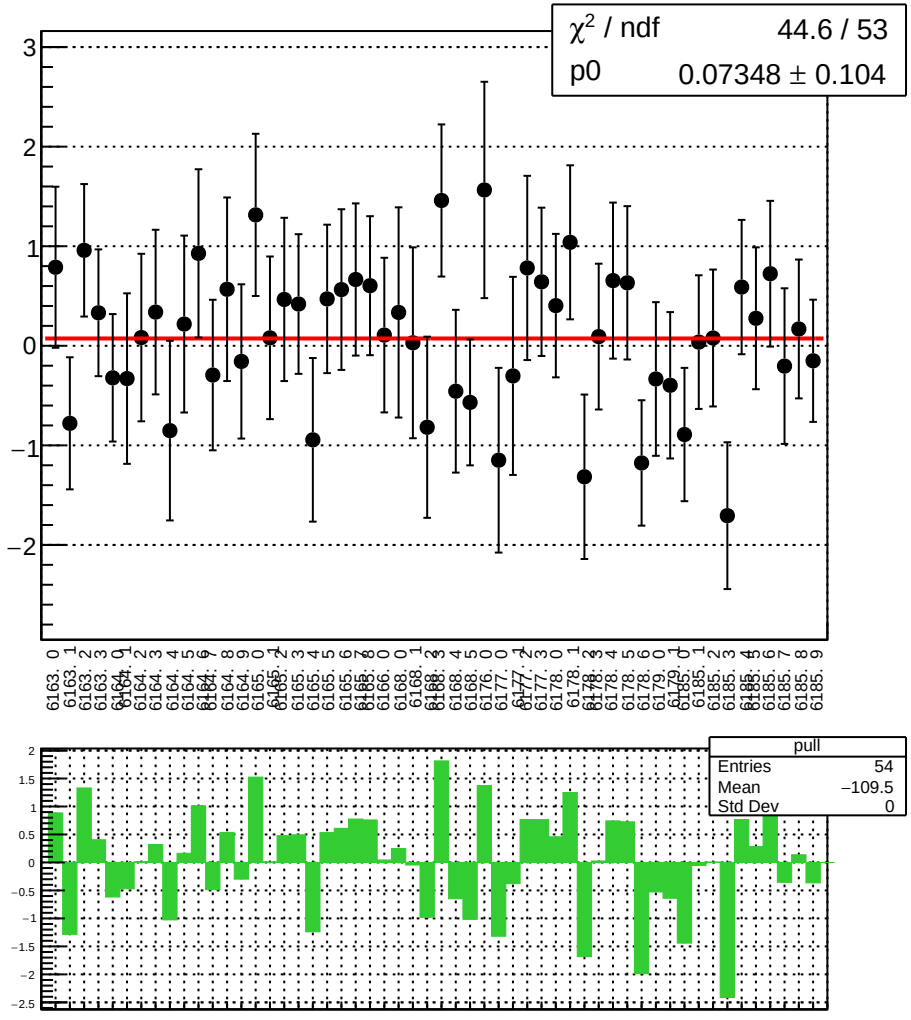

pull1D
Entries 54
Mean −0.03186
Std Dev 1.02

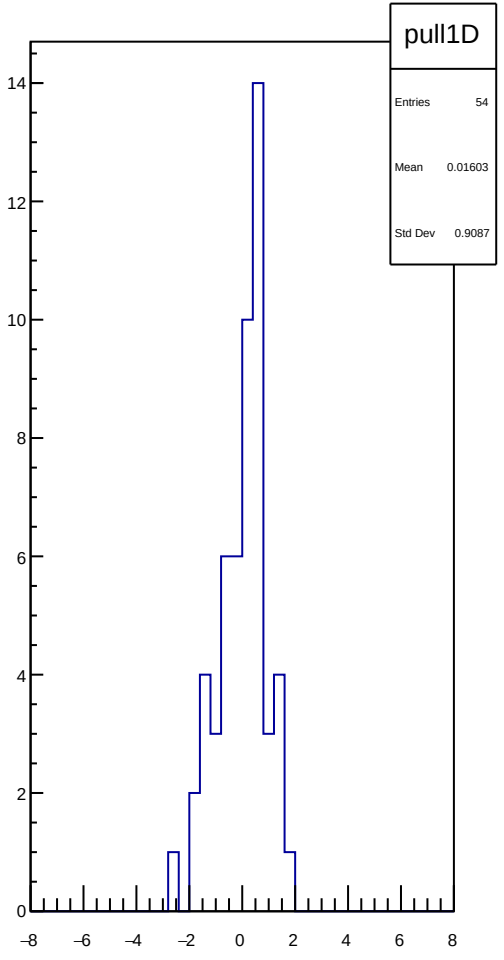

asym_sam_26_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.912e+04 / 53
p0 0.01107 ± 1.1e−05
0.016
0.015
0.014
0.013
0.012
0.011
0.01
0.009
0.008
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

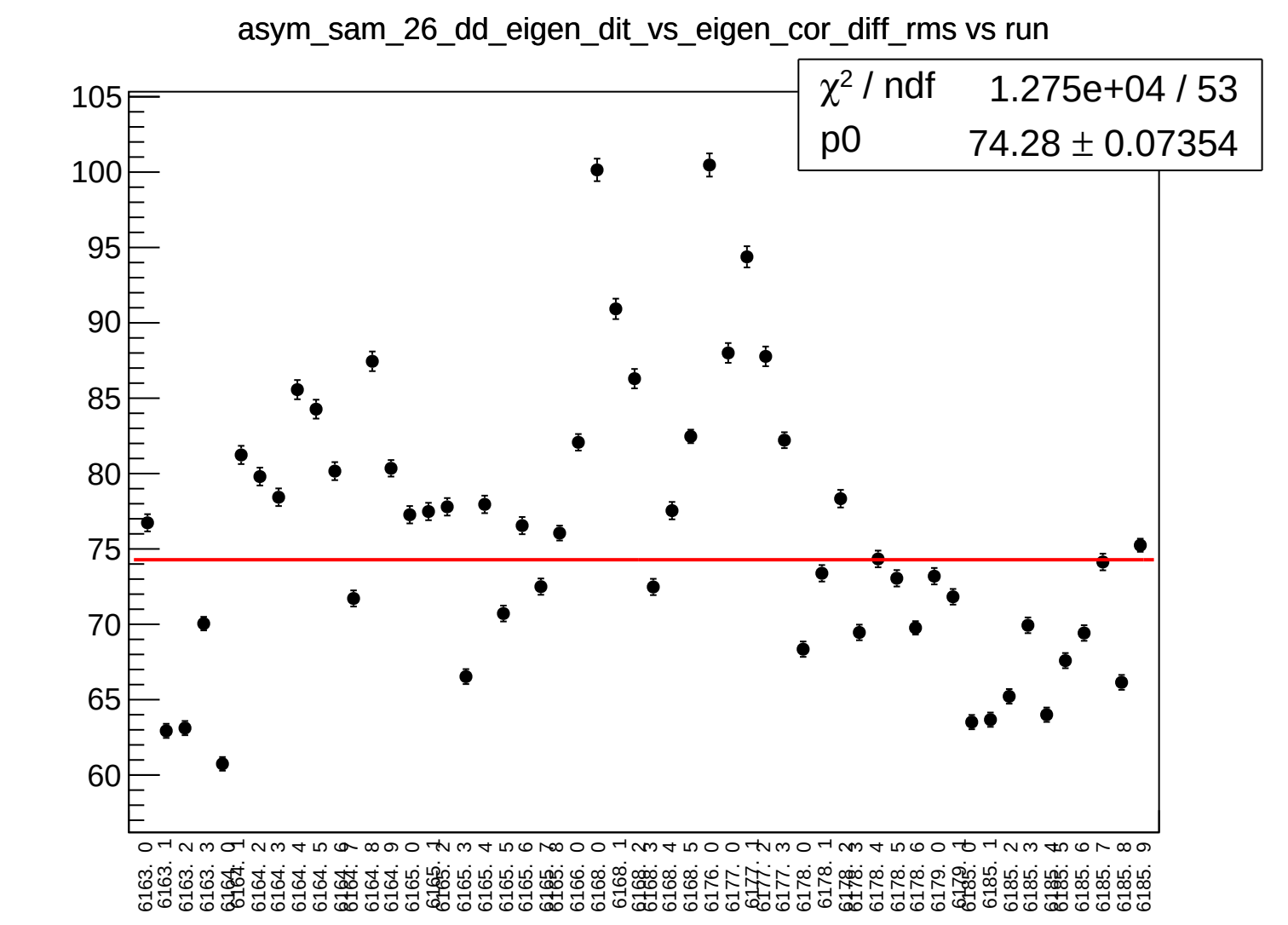

asym_sam_26_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 44.6 / 53
p0 0.07348 ± 0.104
pull
Entries 54
Mean −109.5
Std Dev 0
pull1D
Entries 54
Mean 0.01603
Std Dev 0.9087

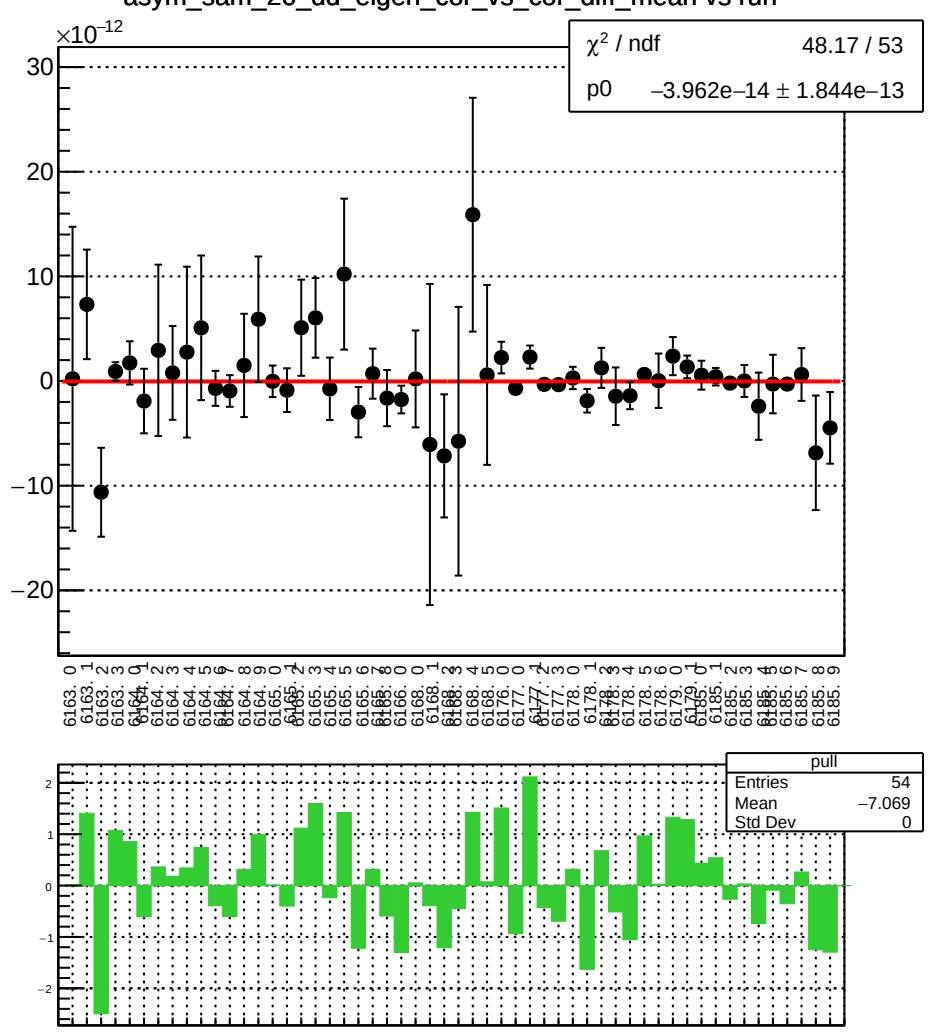

asym_sam_26_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.275e+04 / 53
p0 74.28 ± 0.07354
105
100
95
90
85
80
75
70
65
60
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

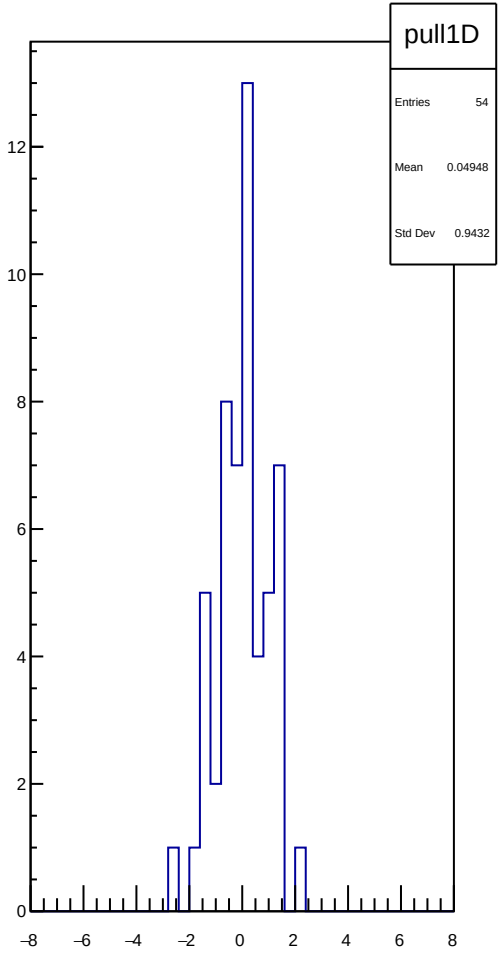
asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs run

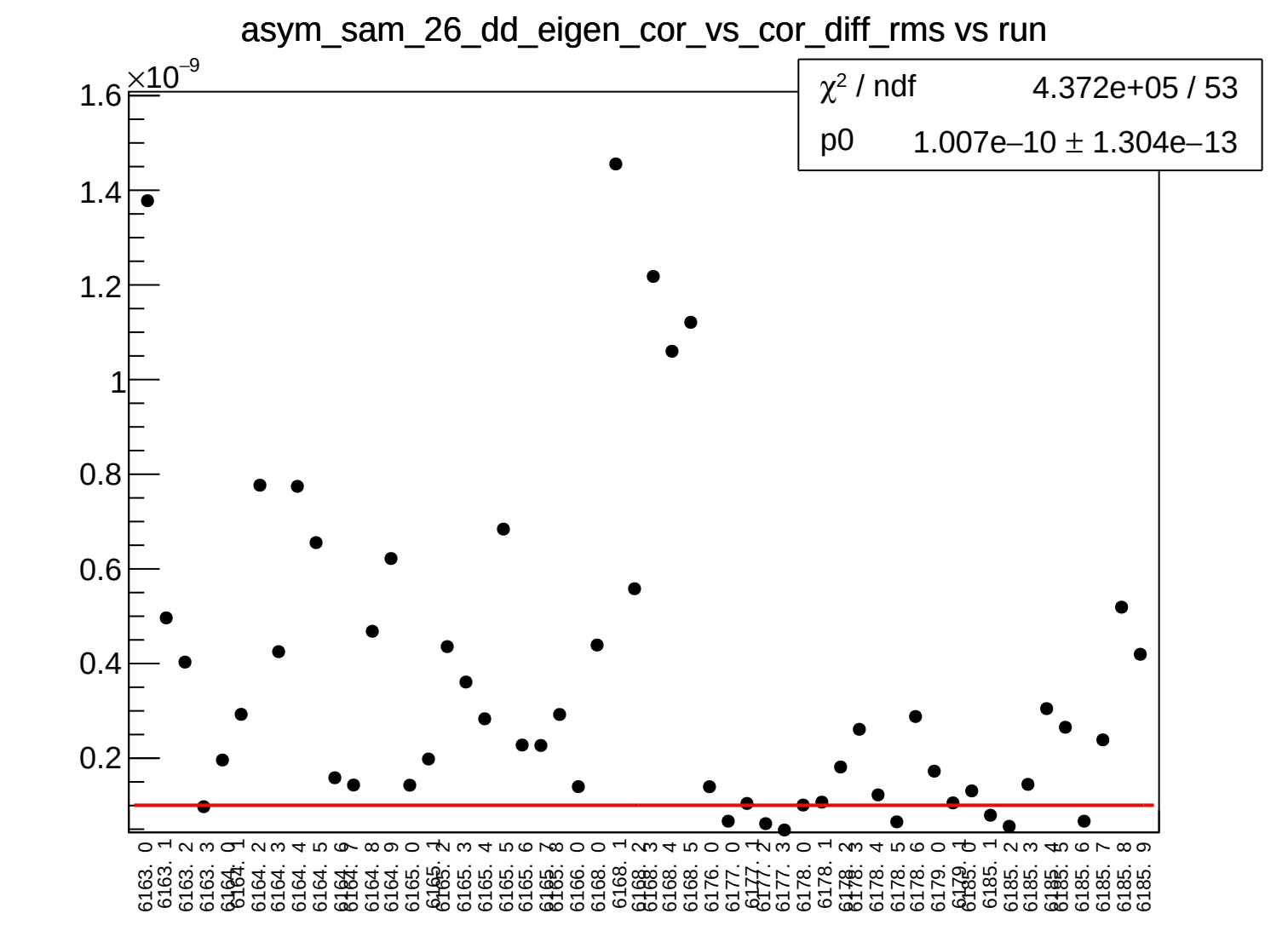


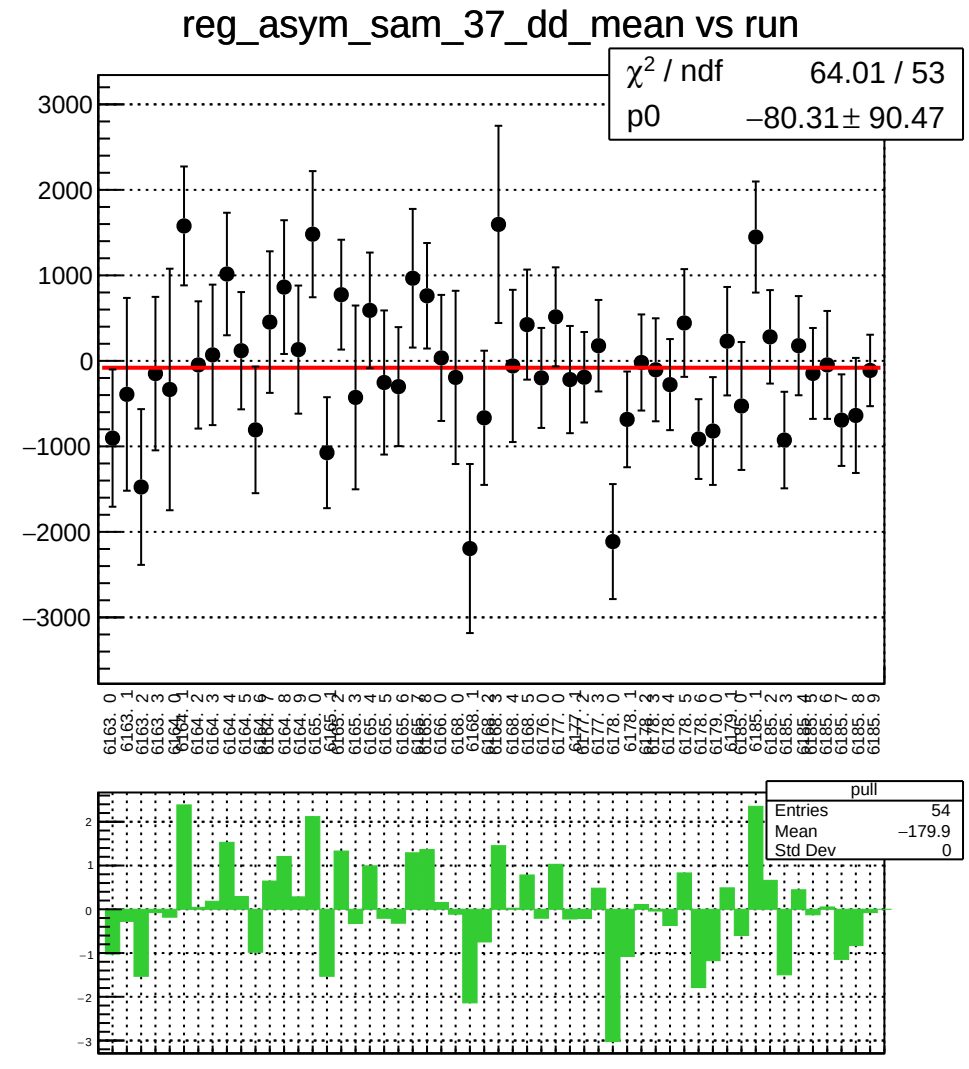


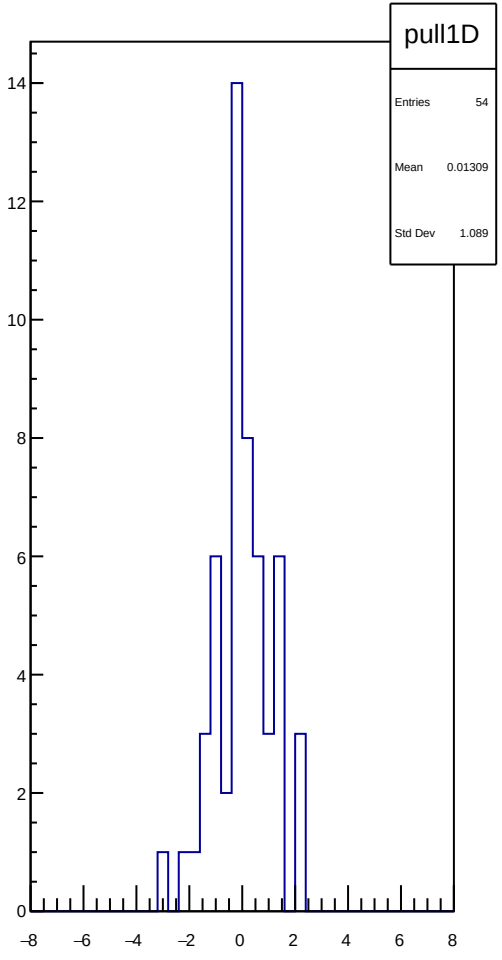

asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.275e+04 / 53
p0 74.28 ± 0.07354
105
100
95
90
85
80
75
70
65
60
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

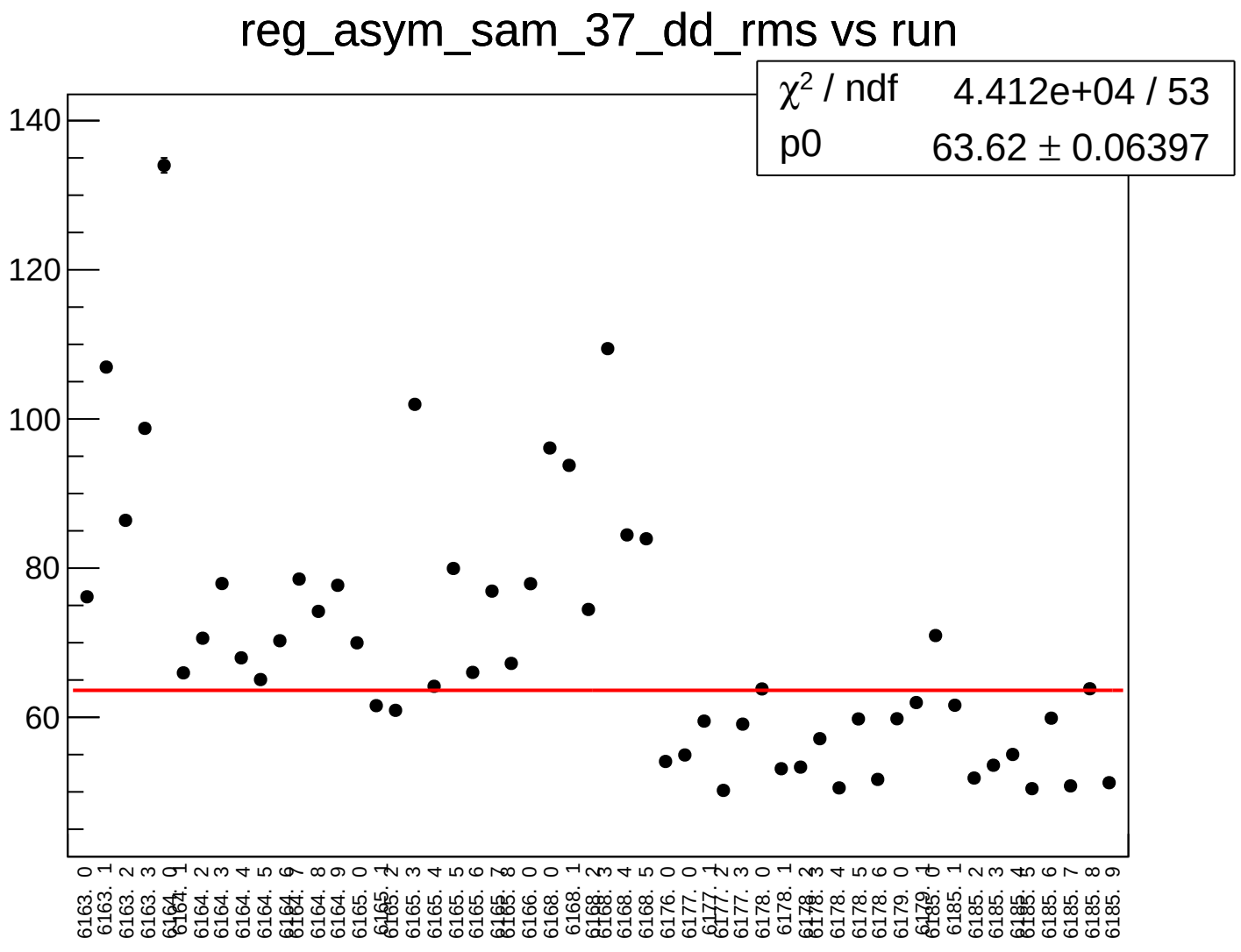

asym_sam_26_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 48.17 / 53
p0 −3.962e−14 ± 1.844e−13
pull
Entries 54
Mean −7.069
Std Dev 0

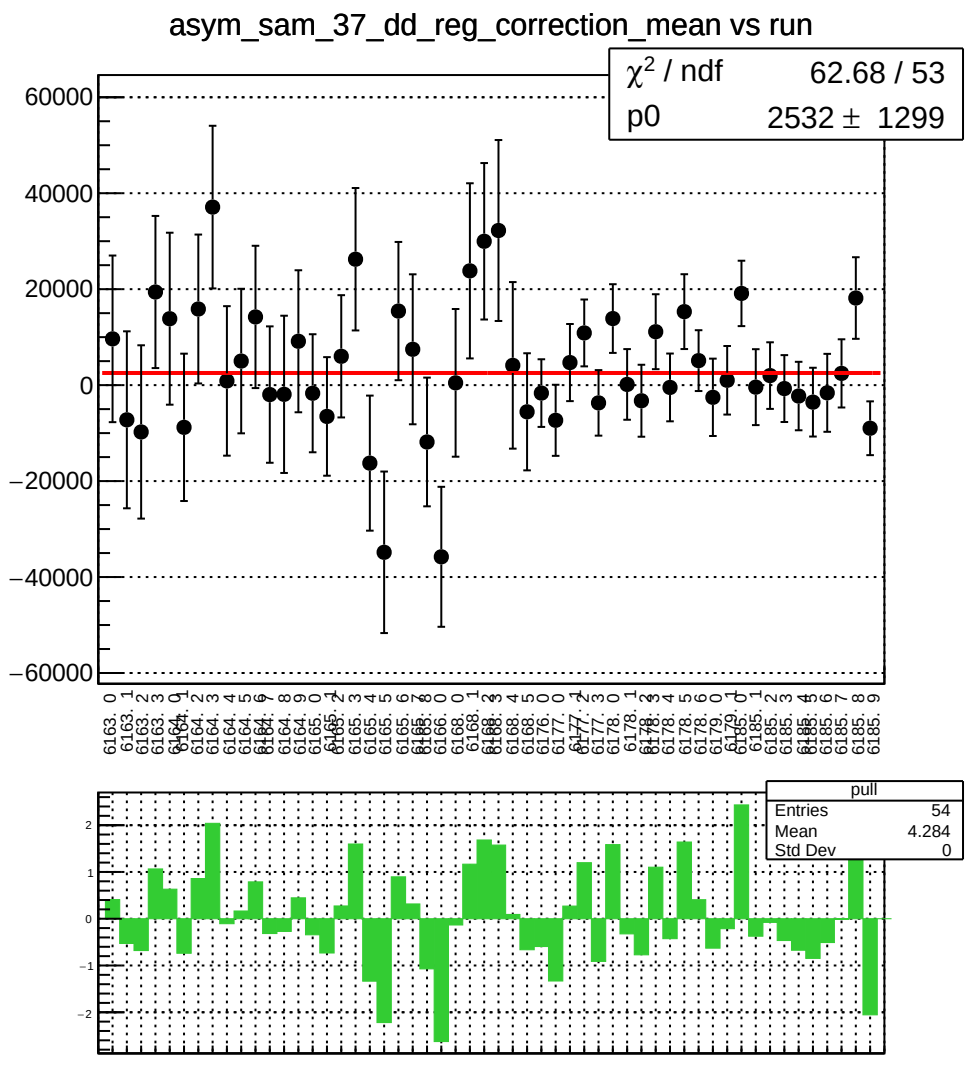

pull1D
Entries 54
Mean 0.04948
Std Dev 0.9432

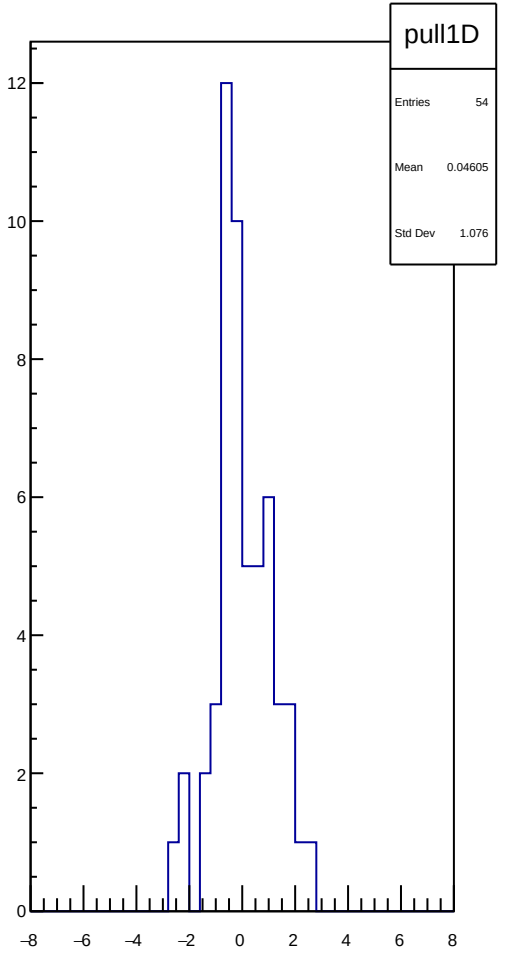

asym_sam_26_dd_eigen_cor_vs_cor_diff_rms vs run
χ² / ndf 4.372e+05 / 53
p0 1.007e−10 ± 1.304e−13
×10⁻⁹
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

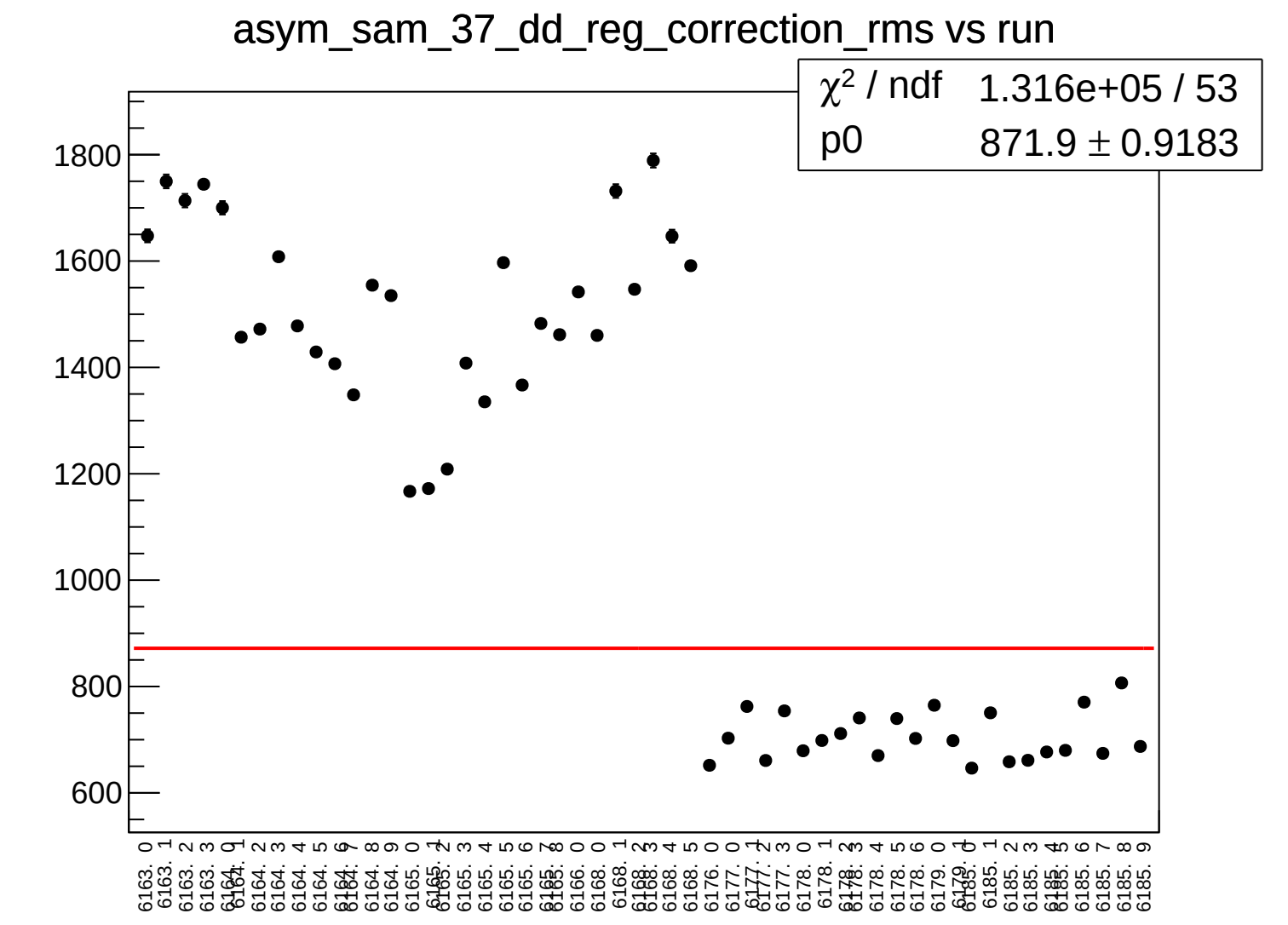

reg_asym_sam_37_dd_mean vs run
χ² / ndf 64.01 / 53
p0 −80.31 ± 90.47
pull
Entries 54
Mean −179.9
Std Dev 0

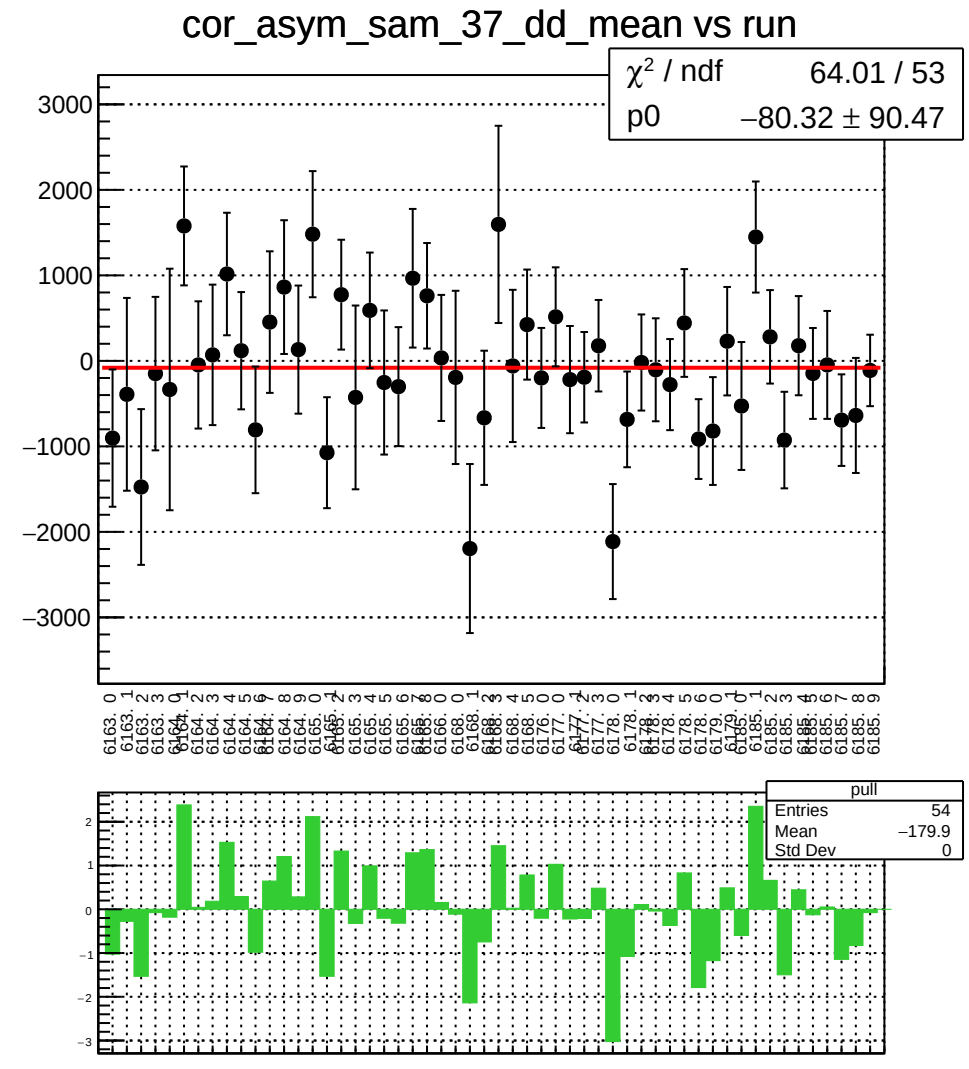

pull1D
Entries 54
Mean 0.01309
Std Dev 1.089

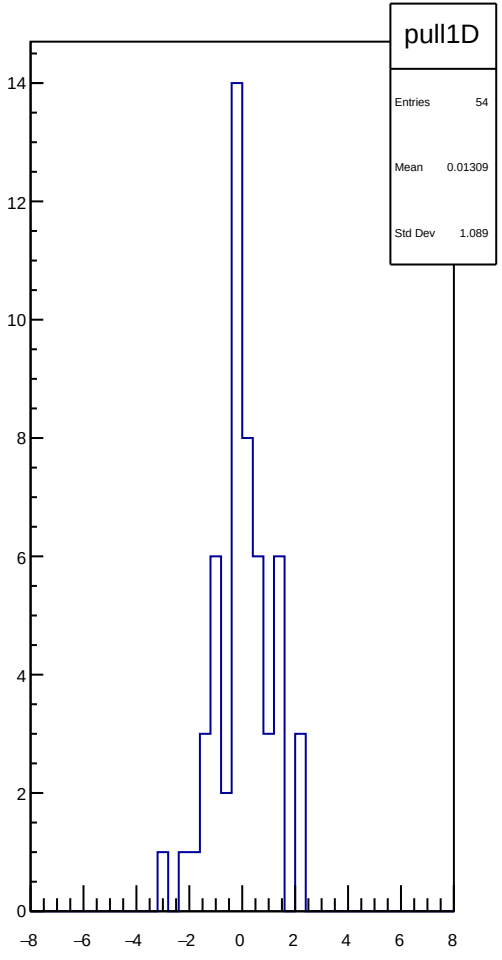

reg_asym_sam_37_dd_rms vs run
χ² / ndf 4.412e+04 / 53
p0 63.62 ± 0.06397
140
120
100
80
60
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

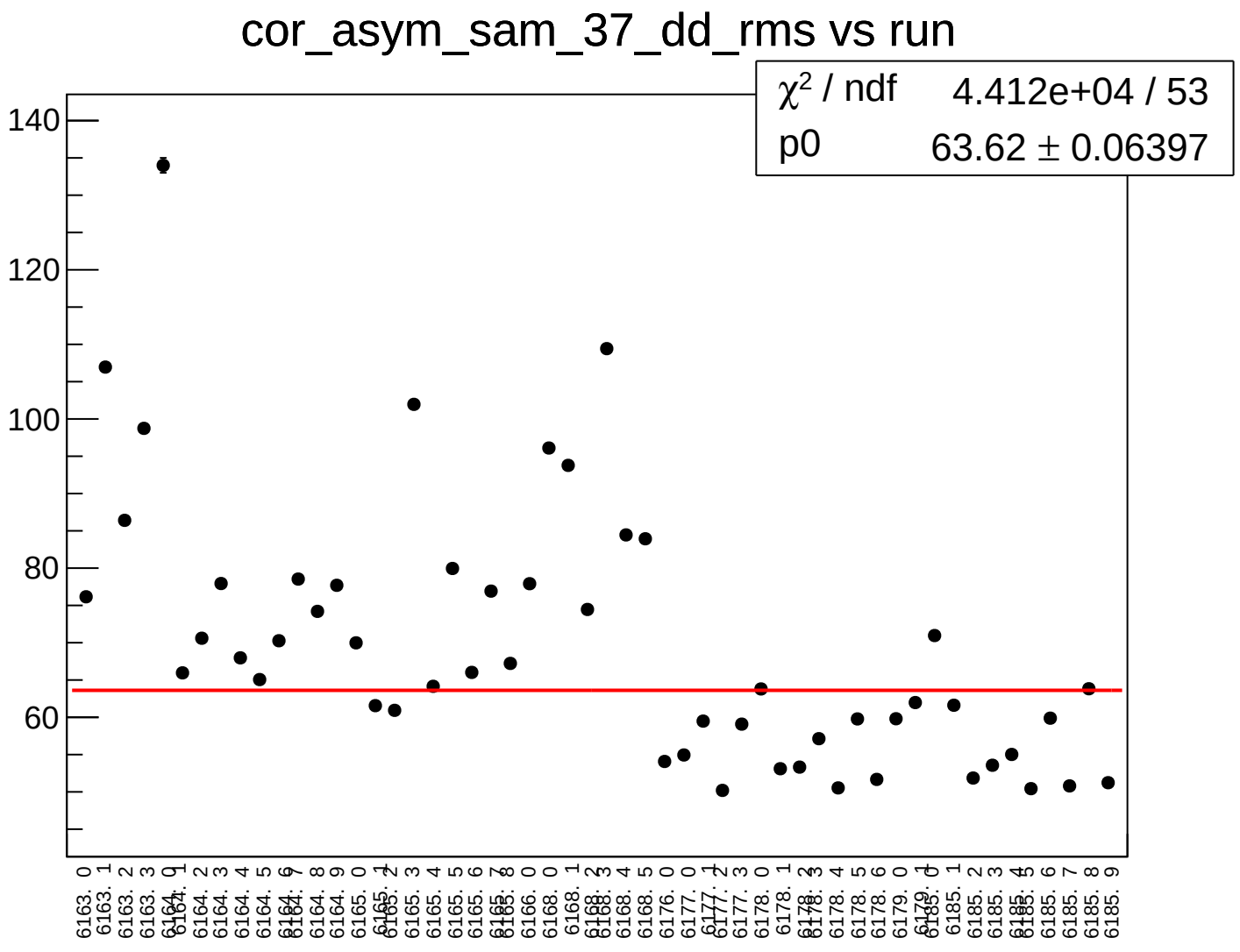

asym_sam_37_dd_reg_correction_mean vs run
χ² / ndf 62.68 / 53
p0 2532 ± 1299
pull
Entries 54
Mean 4.284
Std Dev 0

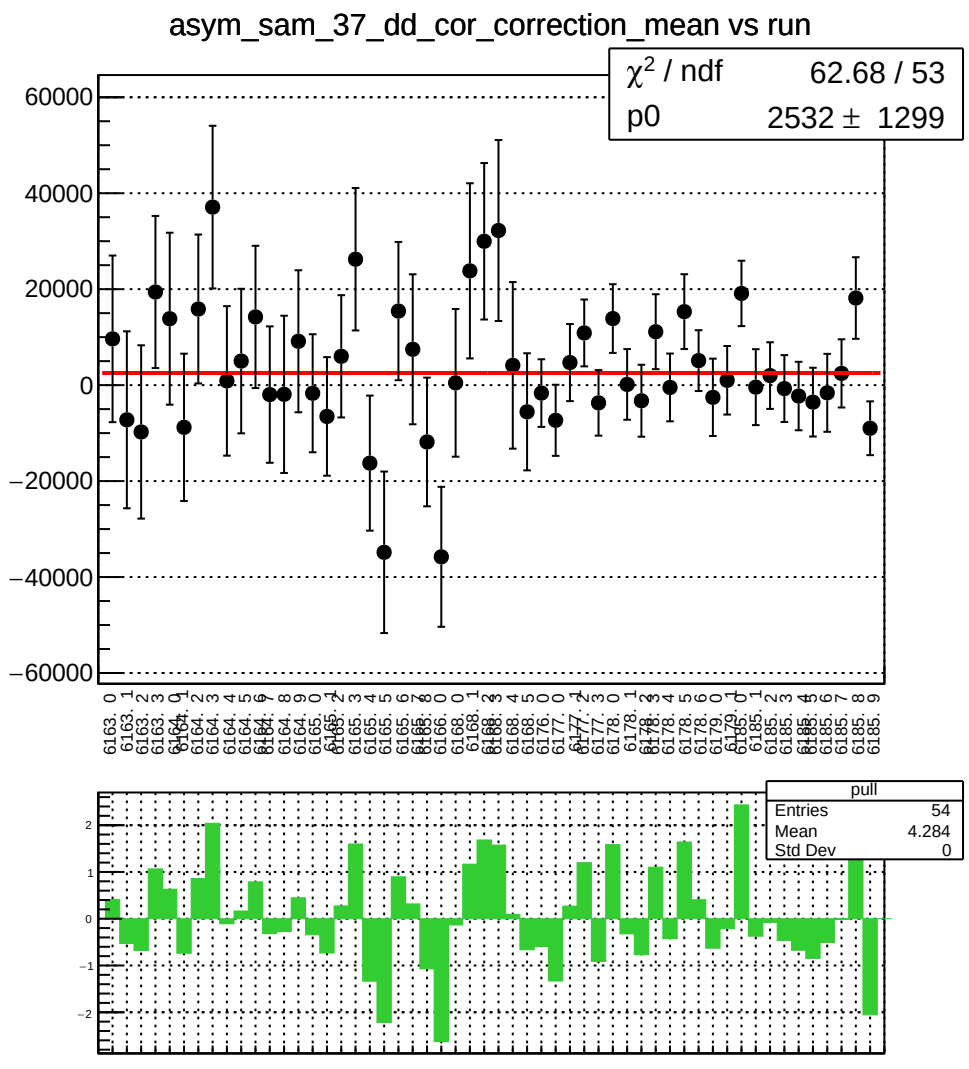

pull1D
Entries 54
Mean 0.04605
Std Dev 1.076

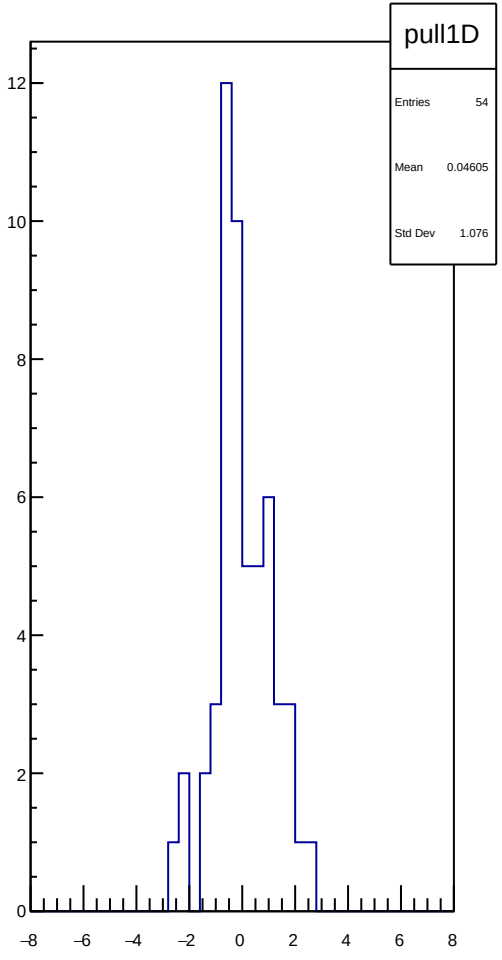

asym_sam_37_dd_reg_correction_rms vs run
χ² / ndf 1.316e+05 / 53
p0 871.9 ± 0.9183
1800
1600
1400
1200
1000
800
600
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

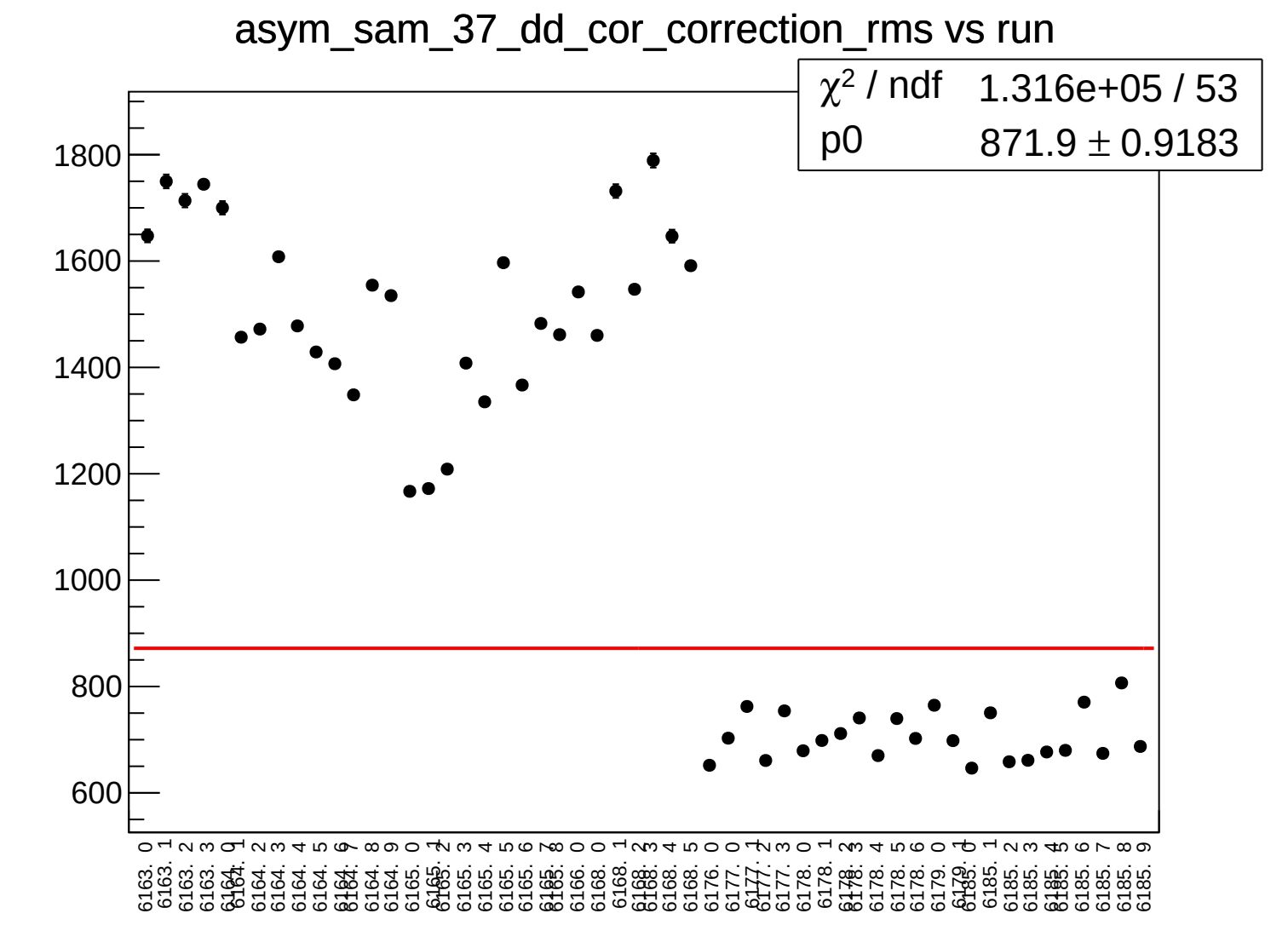

cor_asym_sam_37_dd_mean vs run
χ² / ndf 64.01 / 53
p0 −80.32 ± 90.47
pull
Entries 54
Mean −179.9
Std Dev 0

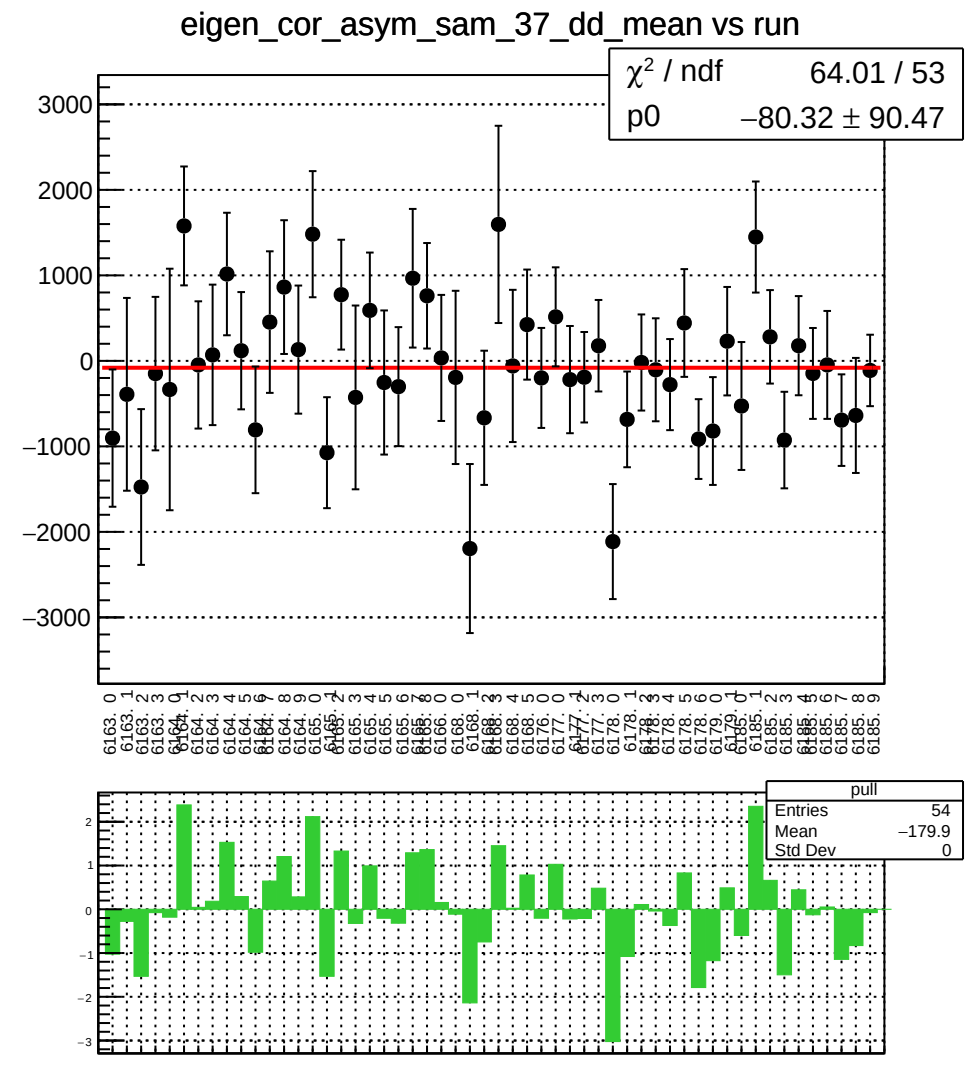

pull1D
Entries 54
Mean 0.01309
Std Dev 1.089

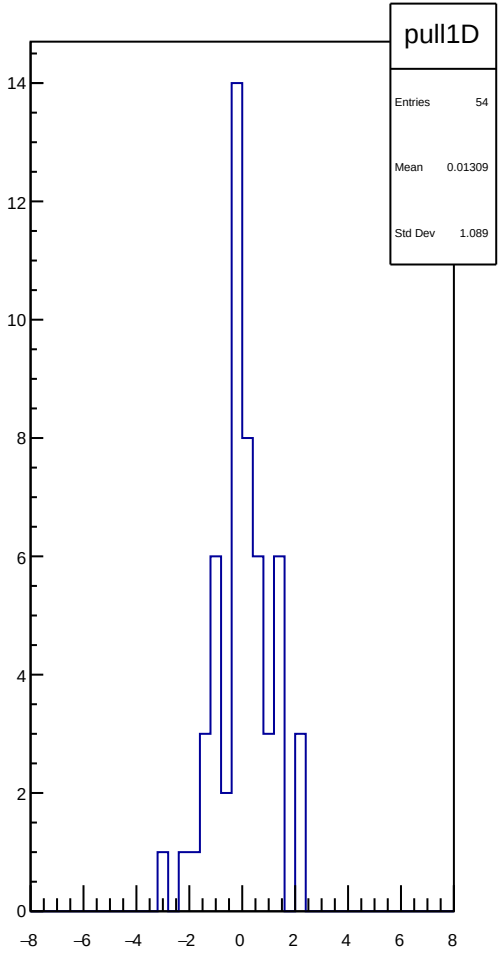

cor_asym_sam_37_dd_rms vs run
χ² / ndf 4.412e+04 / 53
p0 63.62 ± 0.06397
140
120
100
80
60
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

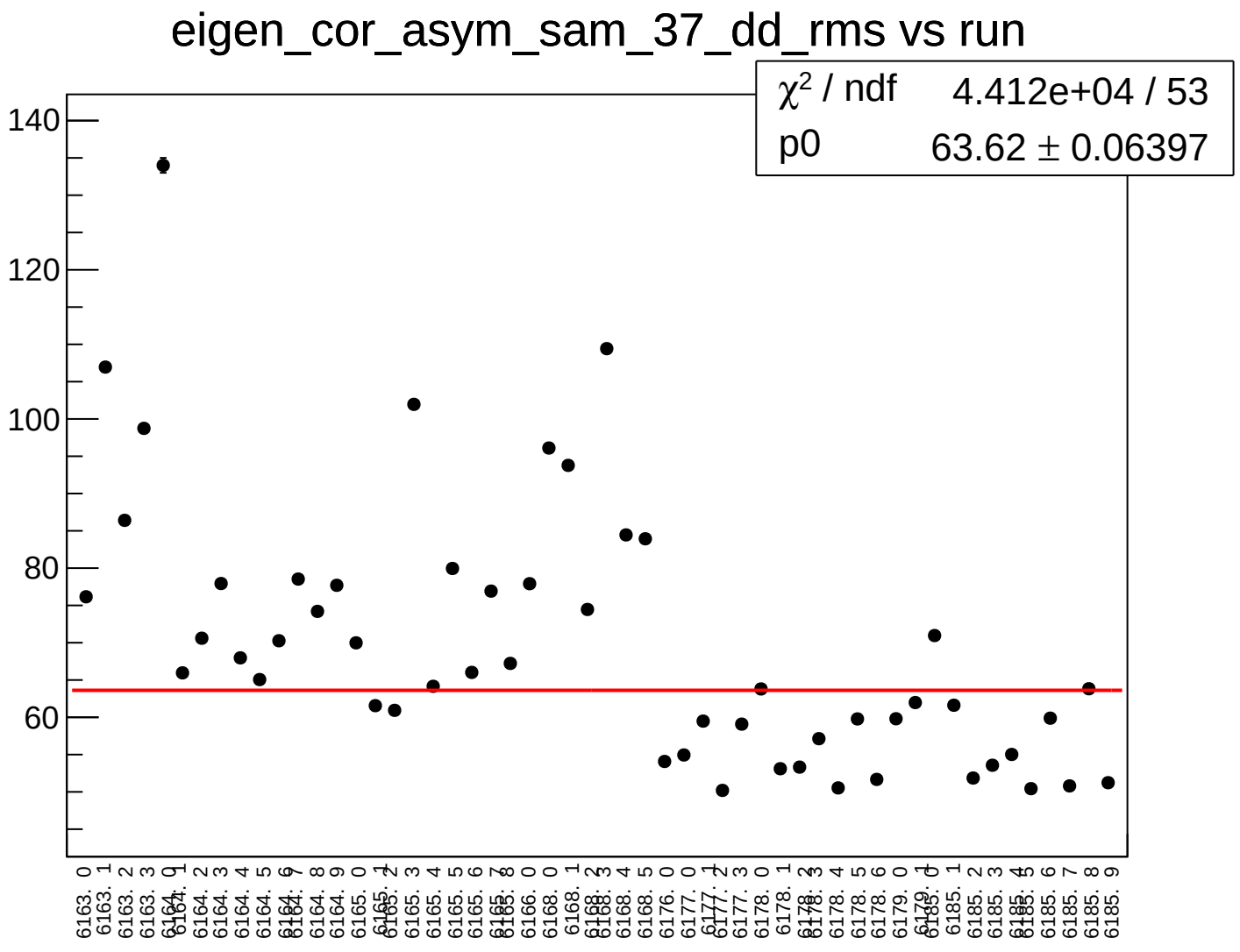

asym_sam_37_dd_cor_correction_mean vs run
χ² / ndf 62.68 / 53
p0 2532 ± 1299
pull
Entries 54
Mean 4.284
Std Dev 0


pull1D
Entries 54
Mean 0.04605
Std Dev 1.076


asym_sam_37_dd_cor_correction_rms vs run
χ² / ndf 1.316e+05 / 53
p0 871.9 ± 0.9183
1800
1600
1400
1200
1000
800
600
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


eigen_cor_asym_sam_37_dd_mean vs run
χ² / ndf 64.01 / 53
p0 −80.32 ± 90.47
pull
Entries 54
Mean −179.9
Std Dev 0


pull1D
Entries 54
Mean 0.01309
Std Dev 1.089


eigen_cor_asym_sam_37_dd_rms vs run
χ² / ndf 4.412e+04 / 53
p0 63.62 ± 0.06397
140
120
100
80
60
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
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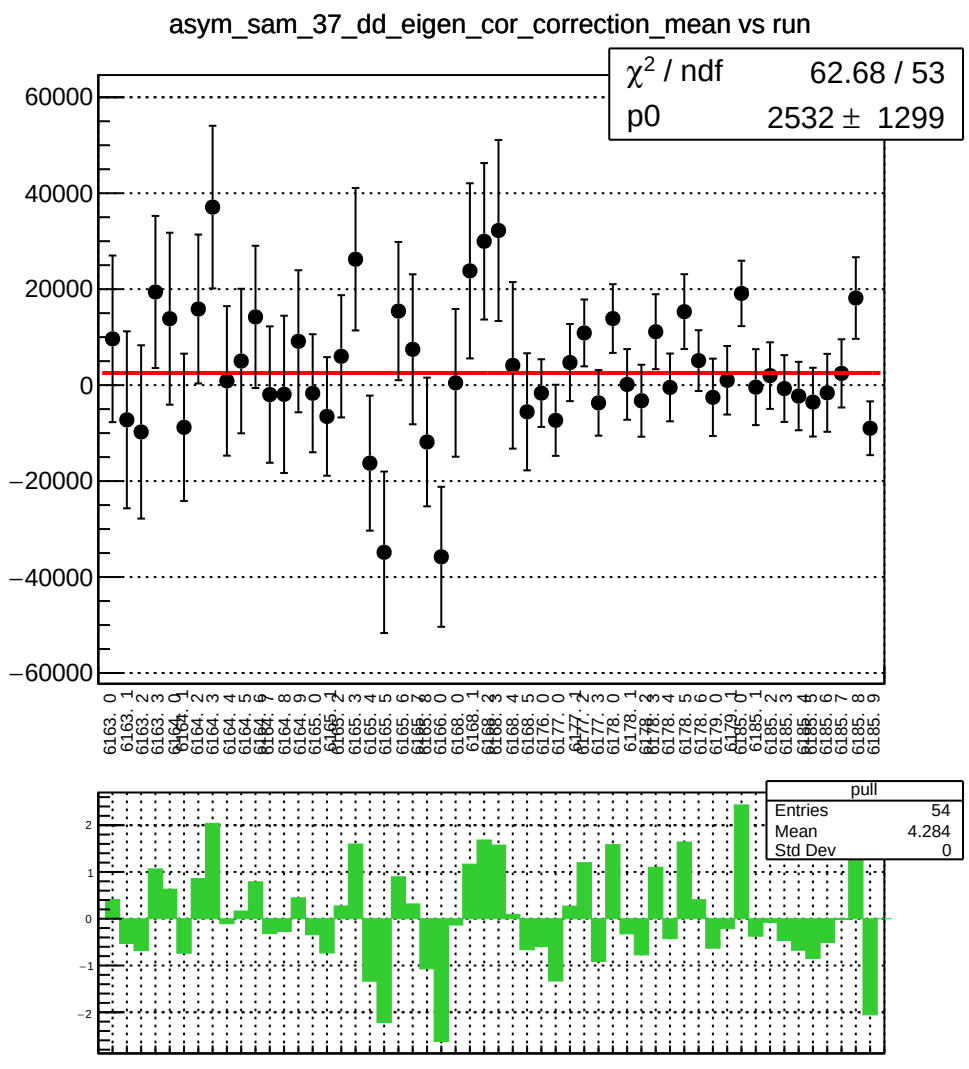
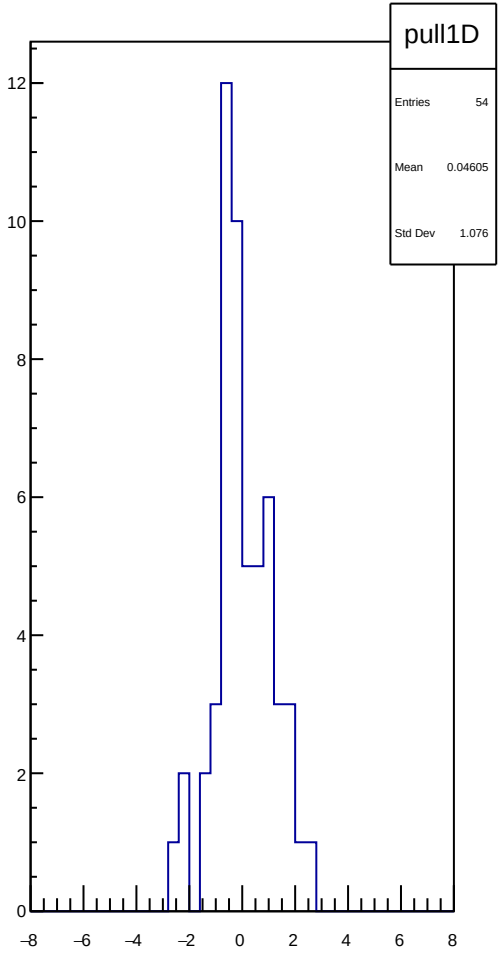
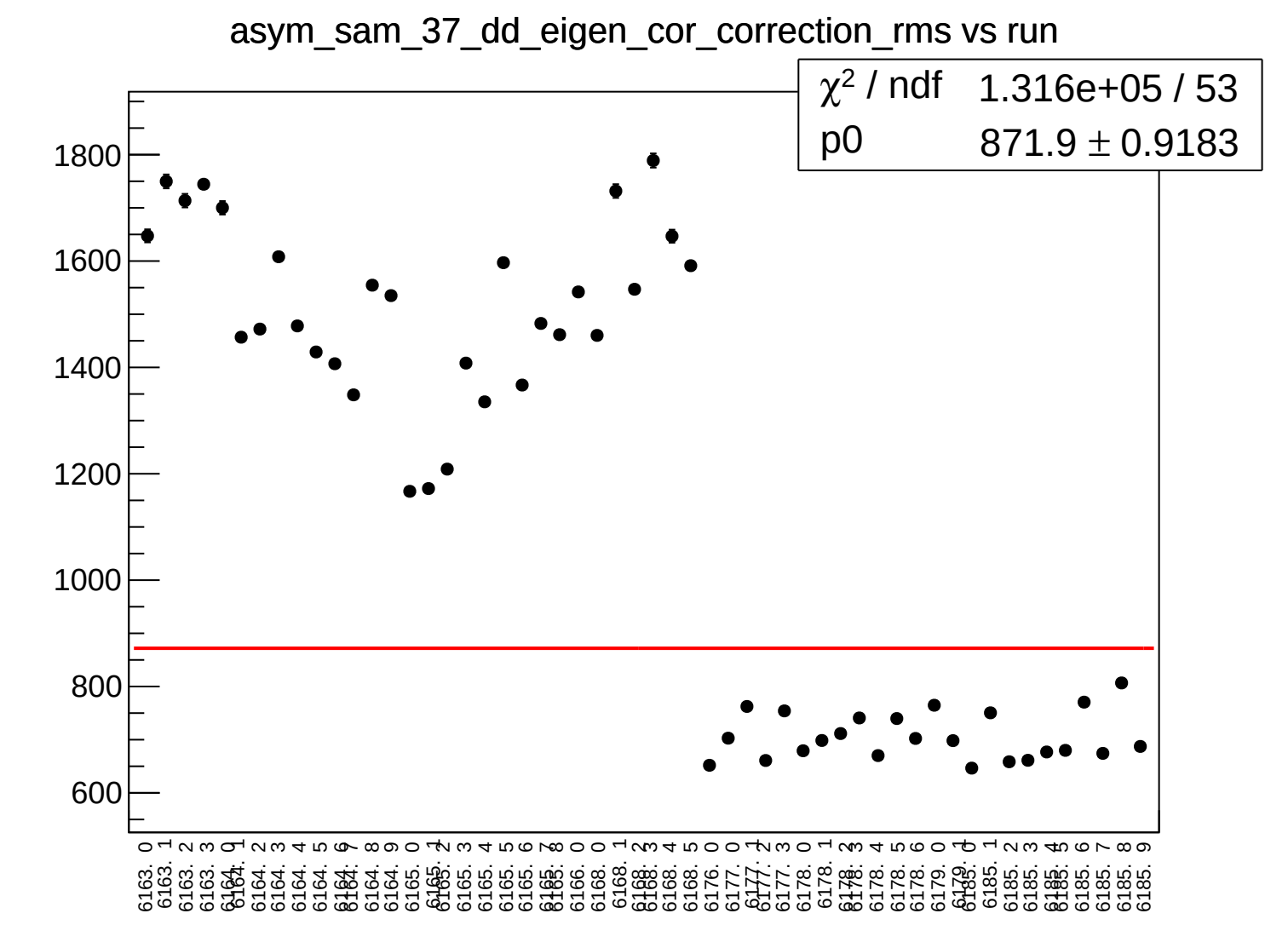
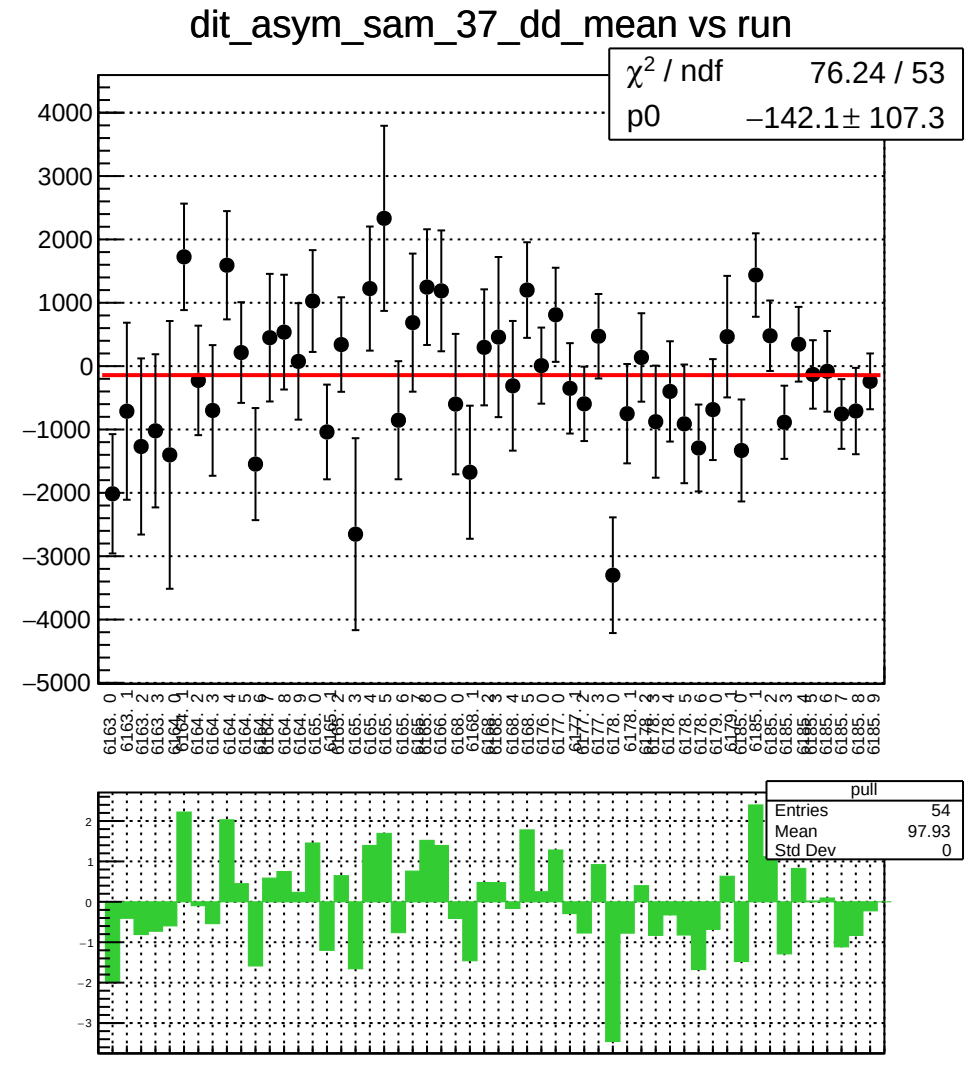
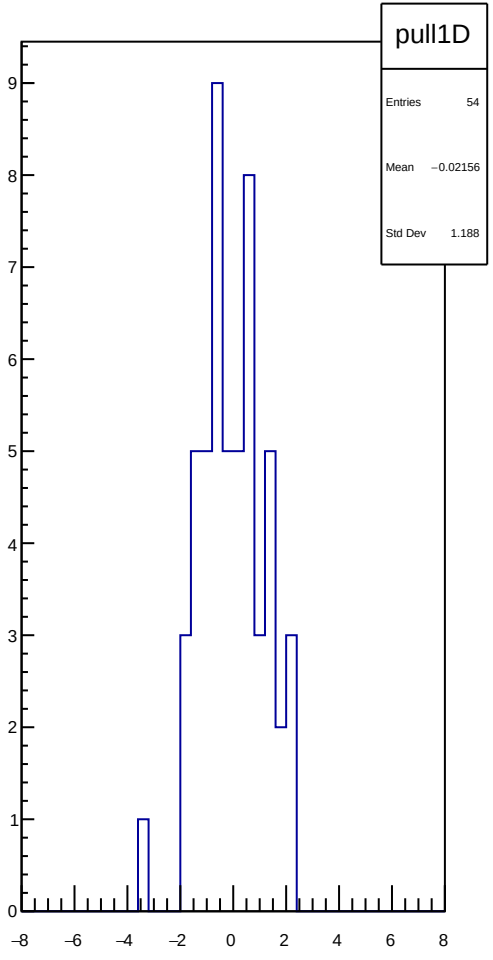
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

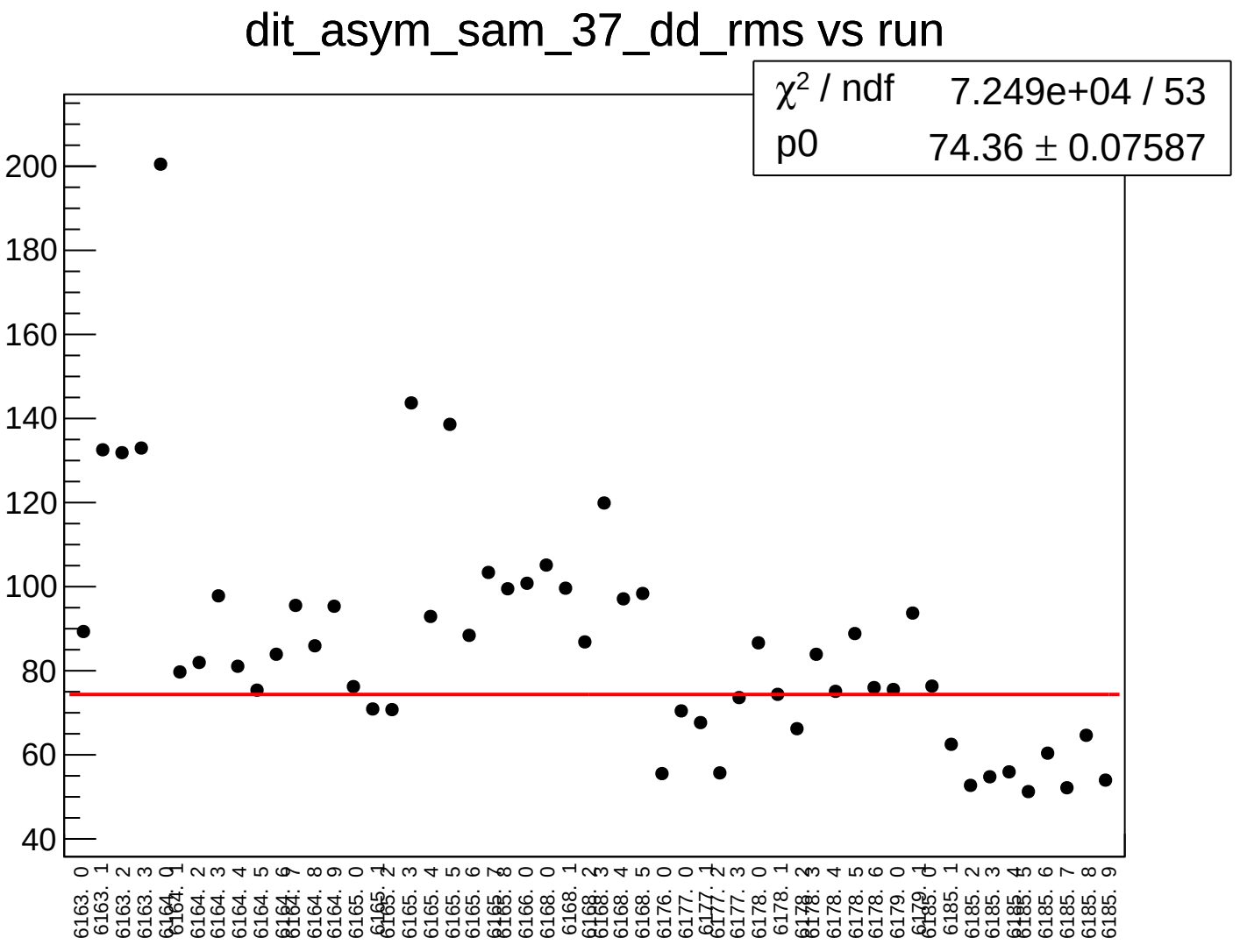

asym_sam_37_dd_eigen_cor_correction_mean vs run
χ² / ndf 62.68 / 53
p0 2532 ± 1299
pull
Entries 54
Mean 4.284
Std Dev 0

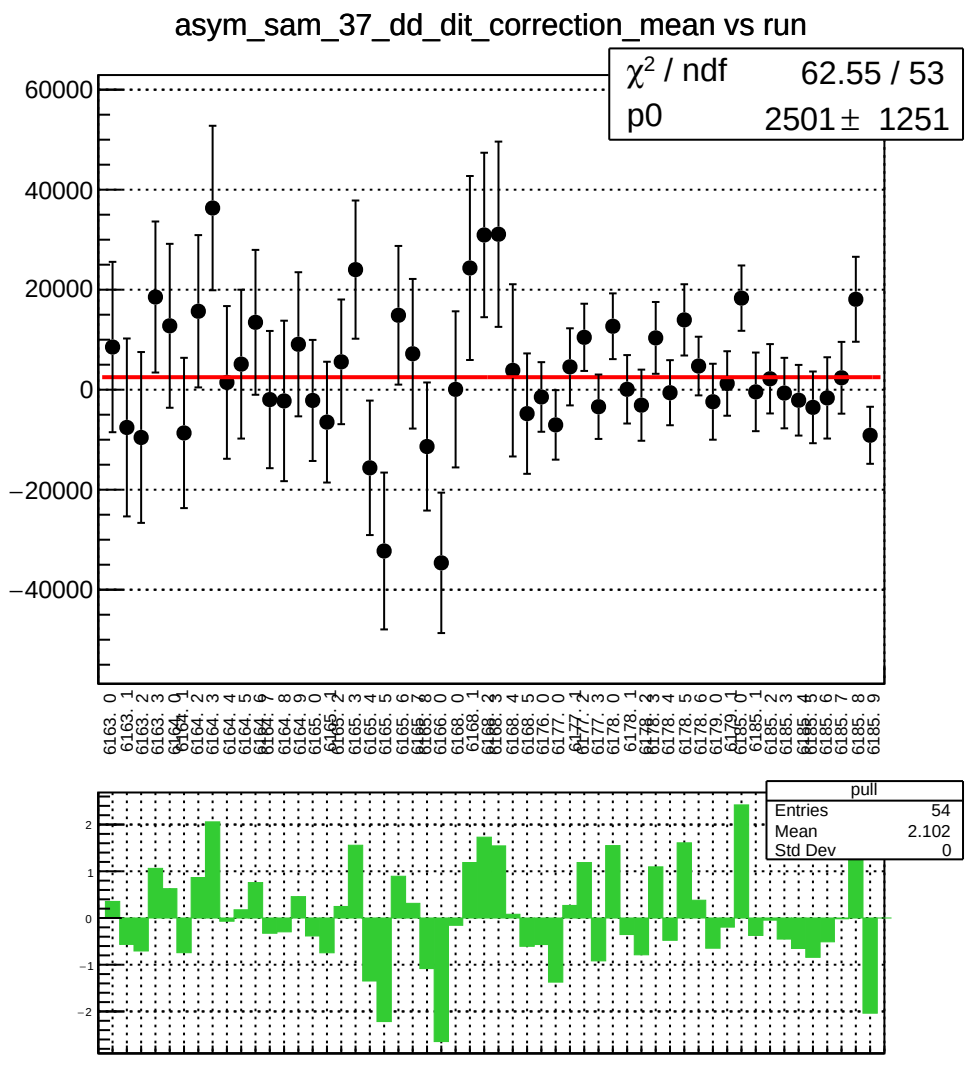

pull1D
Entries 54
Mean 0.04605
Std Dev 1.076

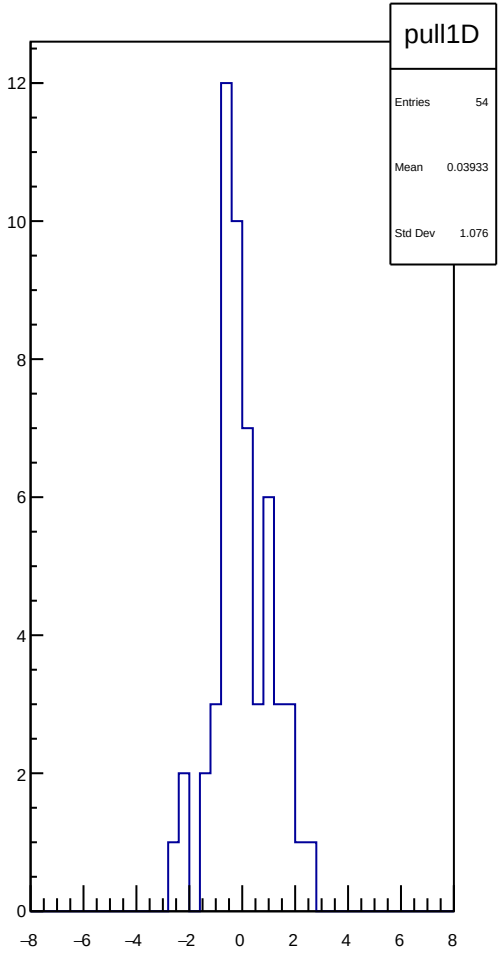

asym_sam_37_dd_eigen_cor_correction_rms vs run
χ² / ndf 1.316e+05 / 53
p0 871.9 ± 0.9183
1800
1600
1400
1200
1000
800
600
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

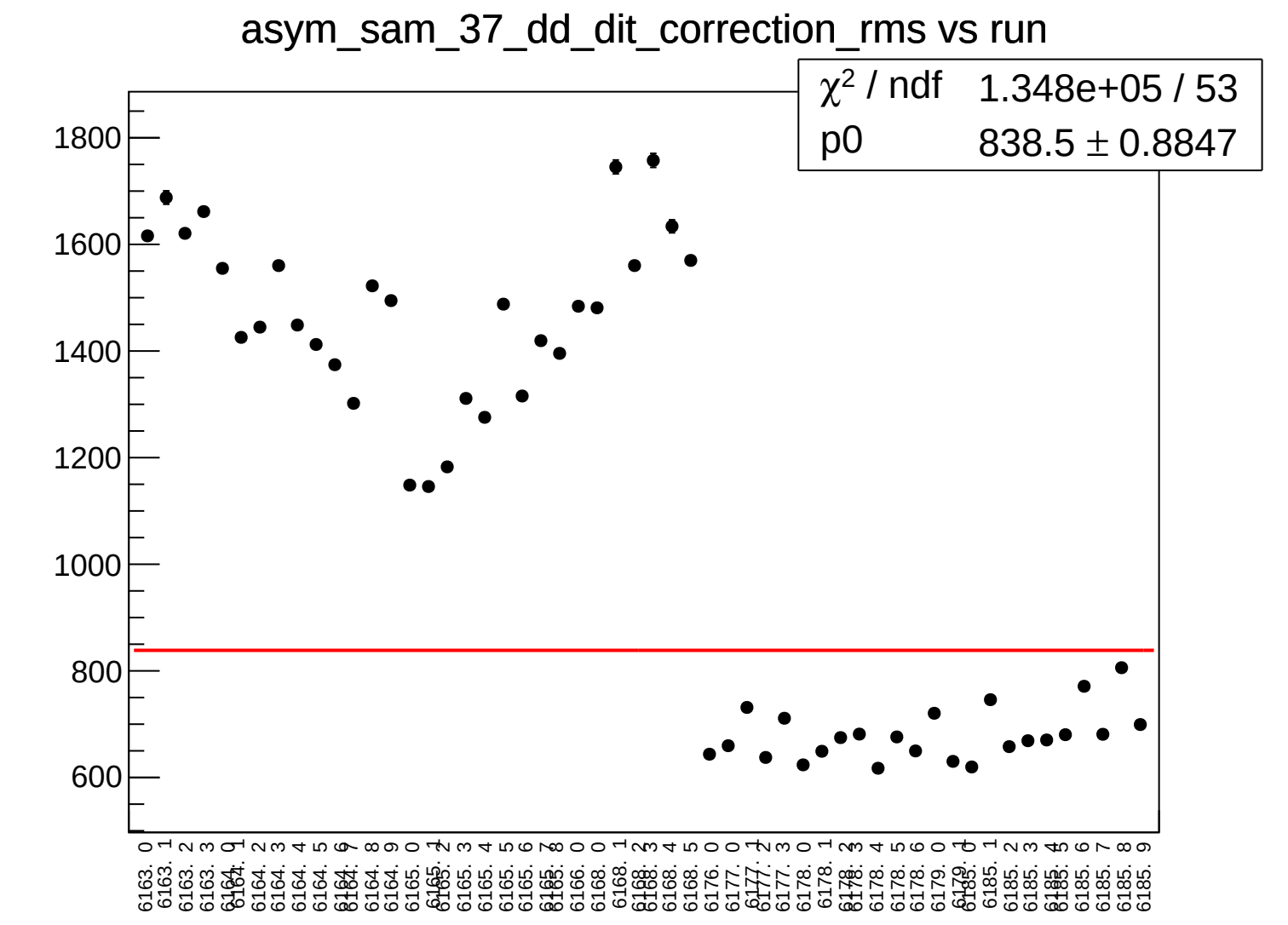

dit_asym_sam_37_dd_mean vs run
χ² / ndf 76.24 / 53
p0 −142.1± 107.3
pull
Entries 54
Mean 97.93
Std Dev 0

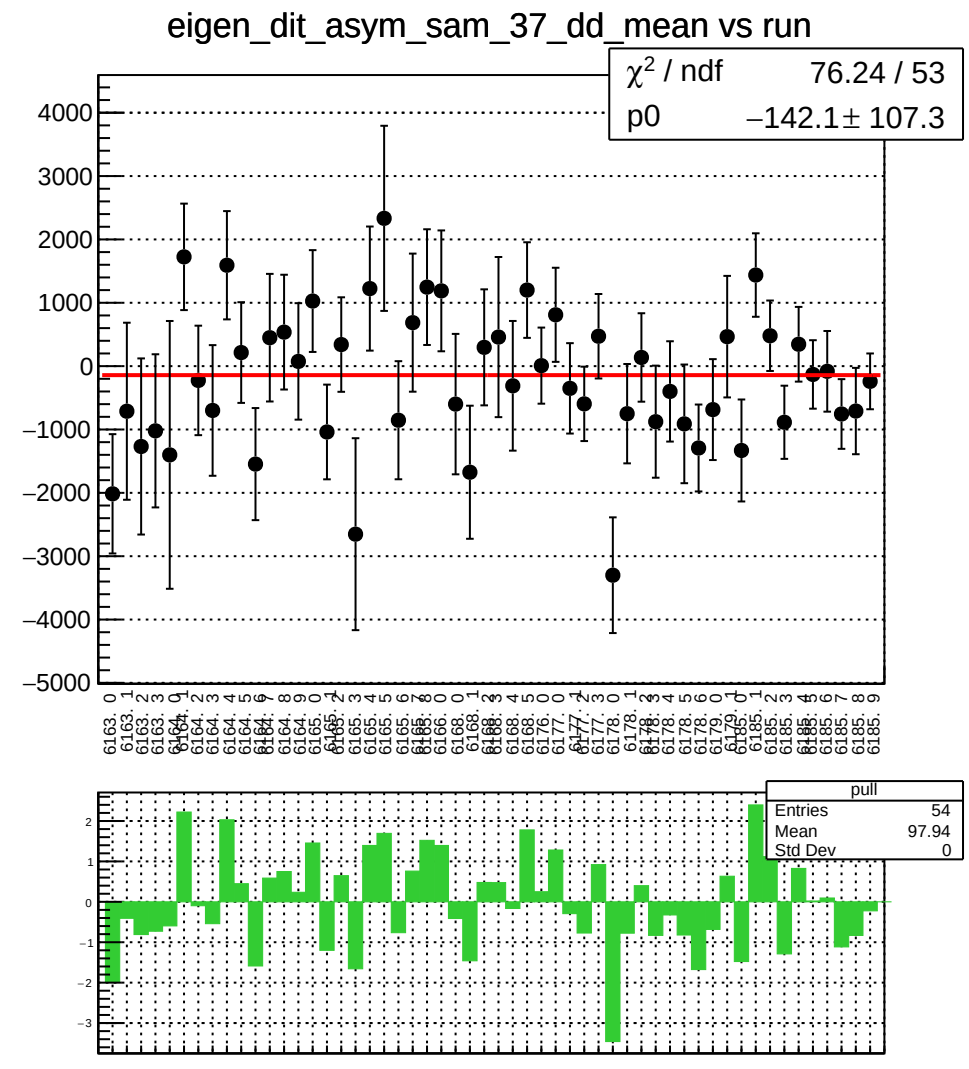

pull1D
Entries 54
Mean −0.02156
Std Dev 1.188

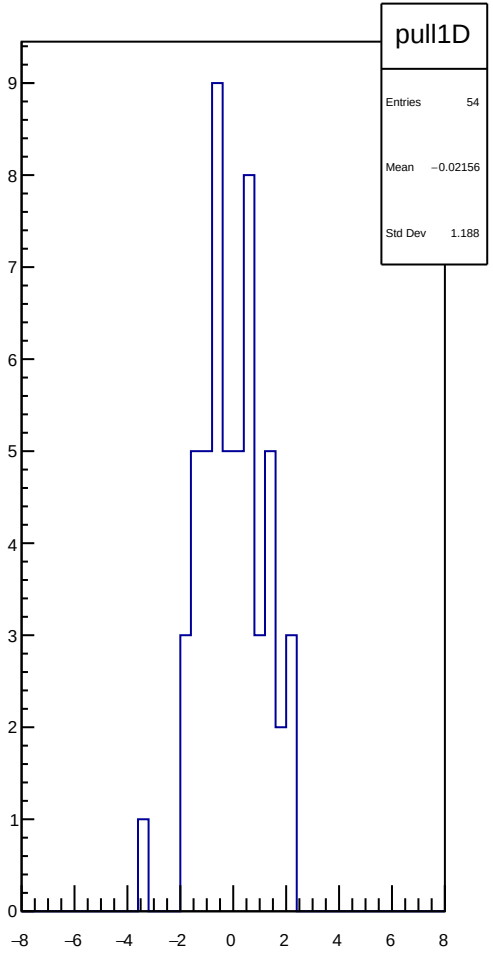

dit_asym_sam_37_dd_rms vs run
χ² / ndf 7.249e+04 / 53
p0 74.36 ± 0.07587
200
180
160
140
120
100
80
60
40
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

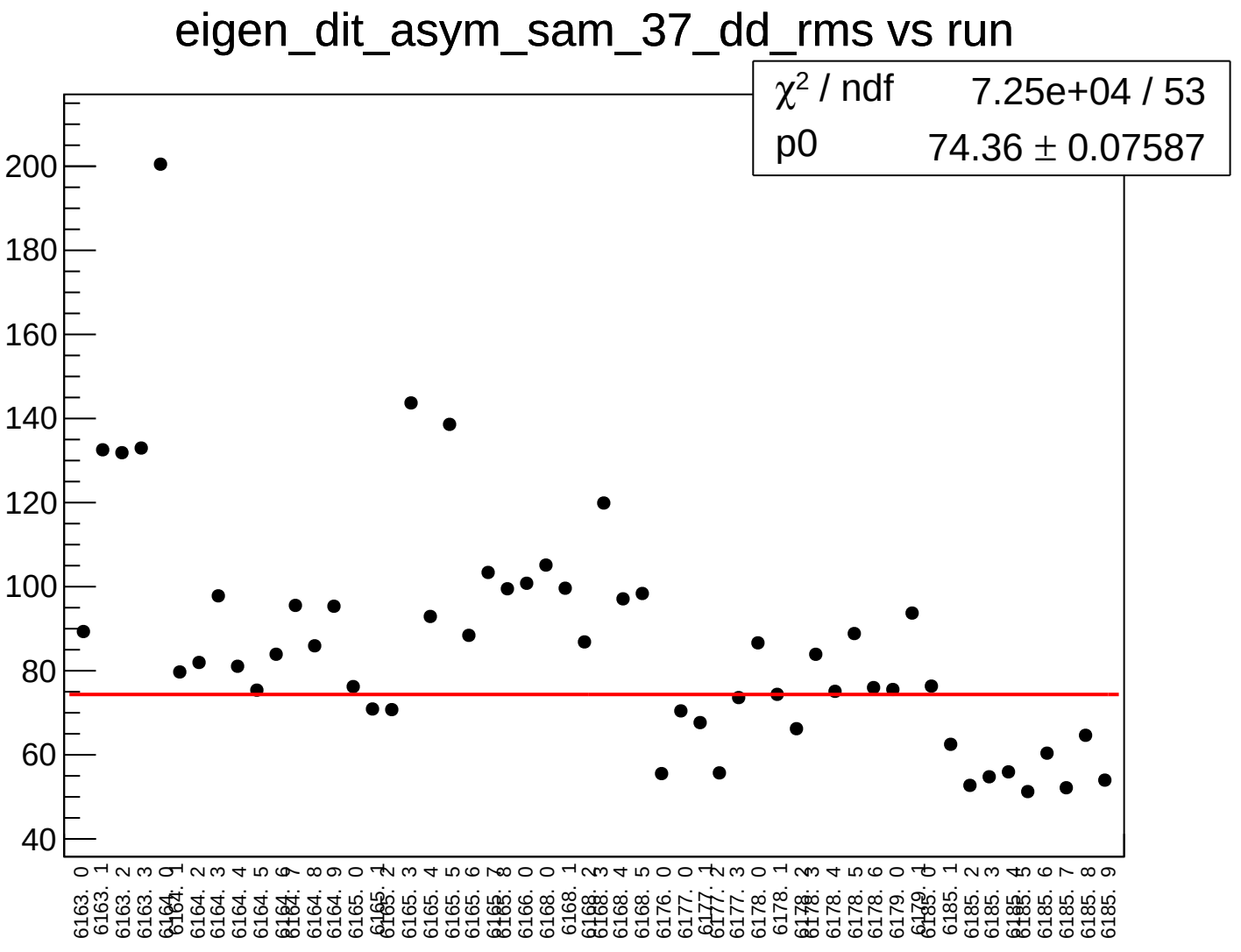

asym_sam_37_dd_dit_correction_mean vs run
χ² / ndf 62.55 / 53
p0 2501 ± 1251
60000
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 2.102
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 54
Mean 0.03933
Std Dev 1.076
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_37_dd_dit_correction_rms vs run
χ² / ndf 1.348e+05 / 53
p0 838.5 ± 0.8847
1800
1600
1400
1200
1000
800
600
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


eigen_dit_asym_sam_37_dd_mean vs run
χ² / ndf 76.24 / 53
p0 −142.1± 107.3
pull
Entries 54
Mean 97.94
Std Dev 0


pull1D
Entries 54
Mean −0.02156
Std Dev 1.188


eigen_dit_asym_sam_37_dd_rms vs run
χ² / ndf 7.25e+04 / 53
p0 74.36 ± 0.07587
200
180
160
140
120
100
80
60
40
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
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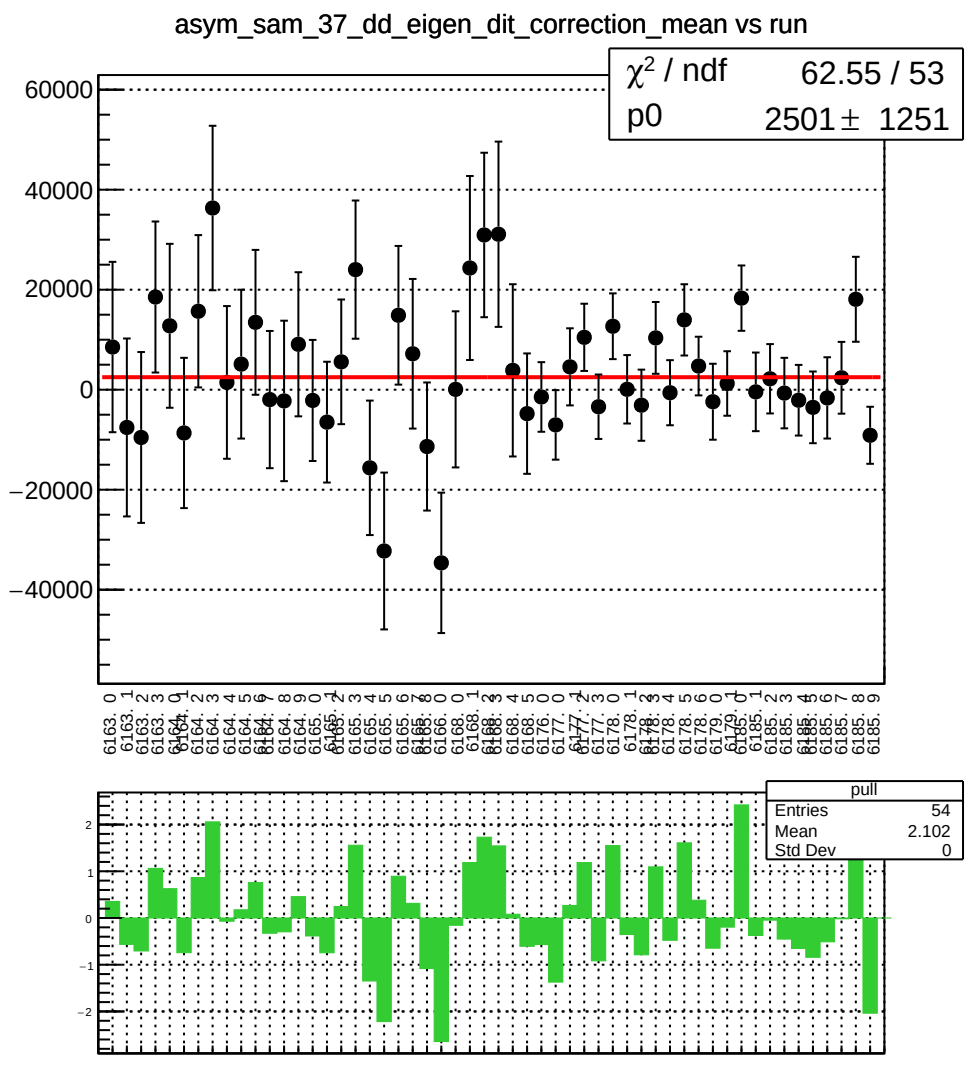
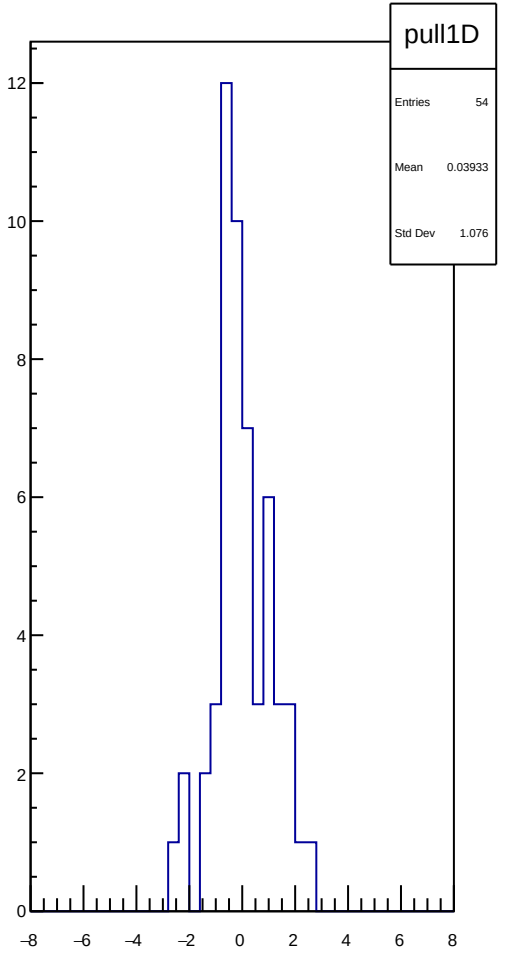
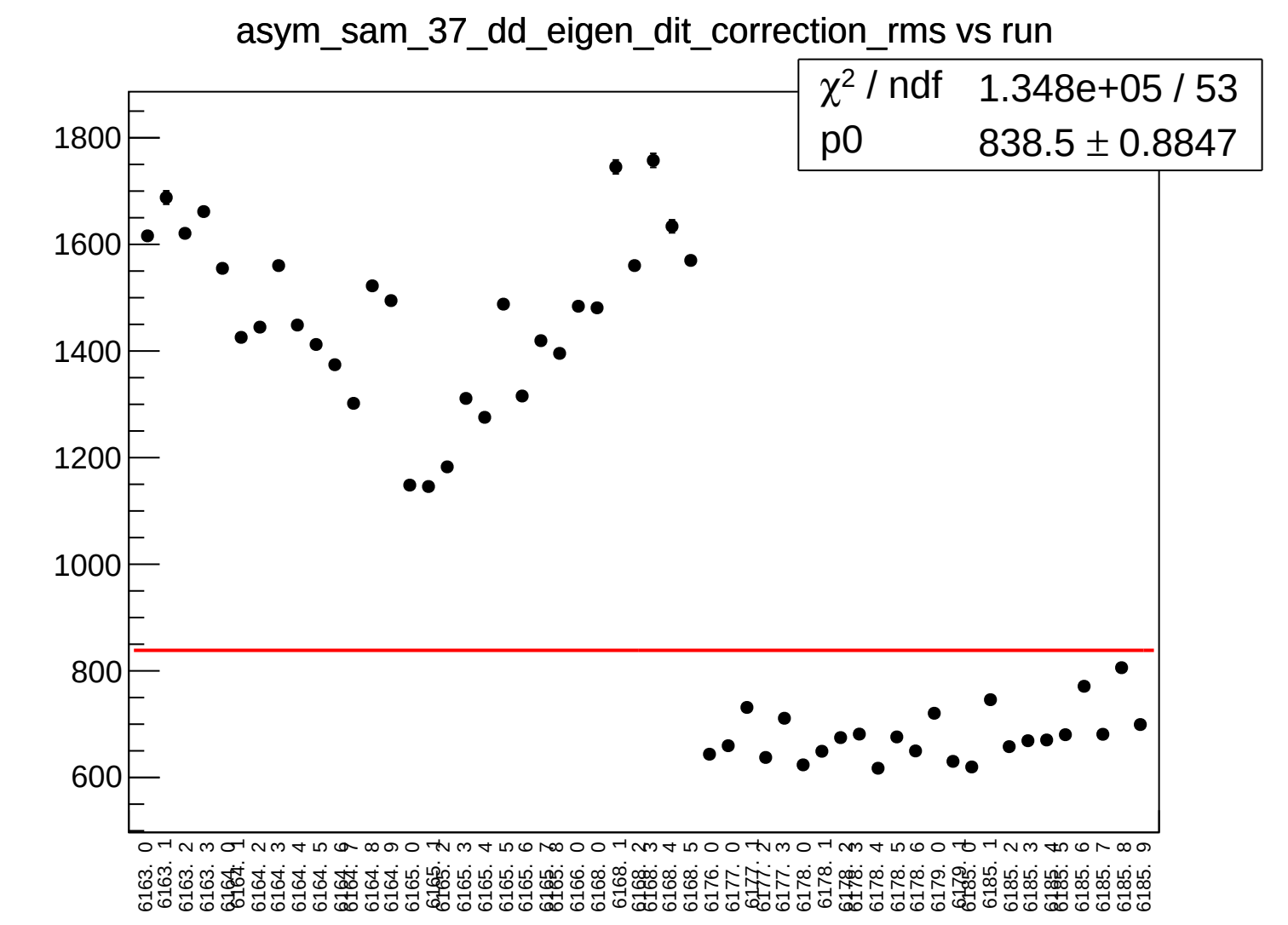
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


asym_sam_37_dd_eigen_dit_correction_mean vs run
χ² / ndf 62.55 / 53
p0 2501 ± 1251
60000
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 2.102
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 54
Mean 0.03933
Std Dev 1.076
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_37_dd_eigen_dit_correction_rms vs run
χ² / ndf 1.348e+05 / 53
p0 838.5 ± 0.8847
1800
1600
1400
1200
1000
800
600
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
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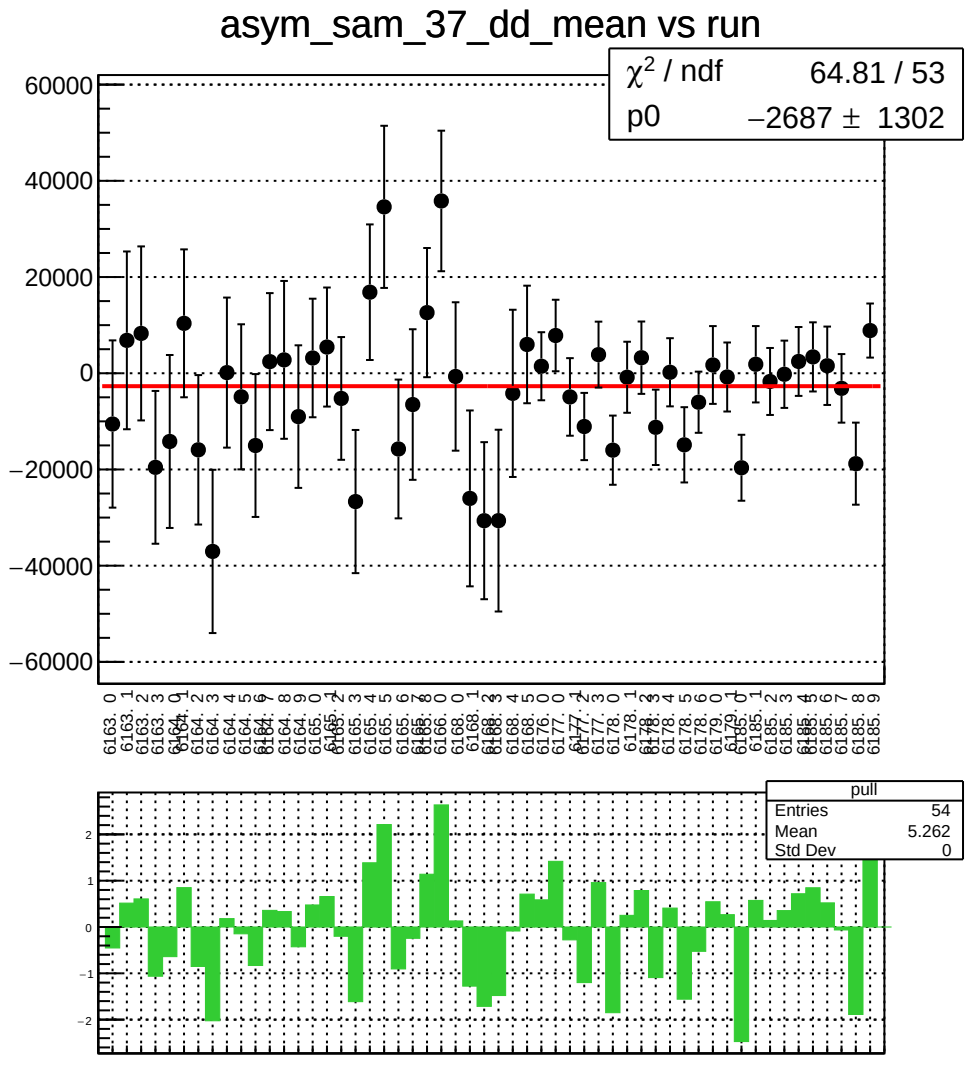
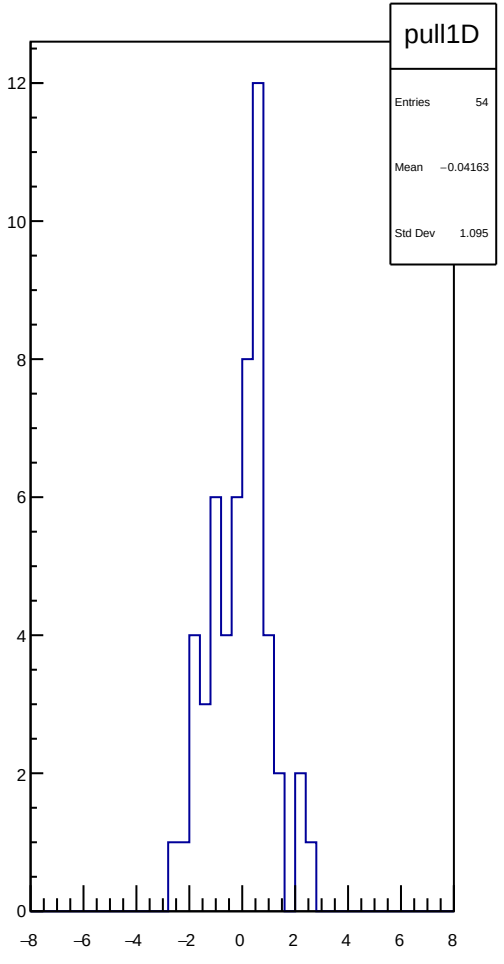
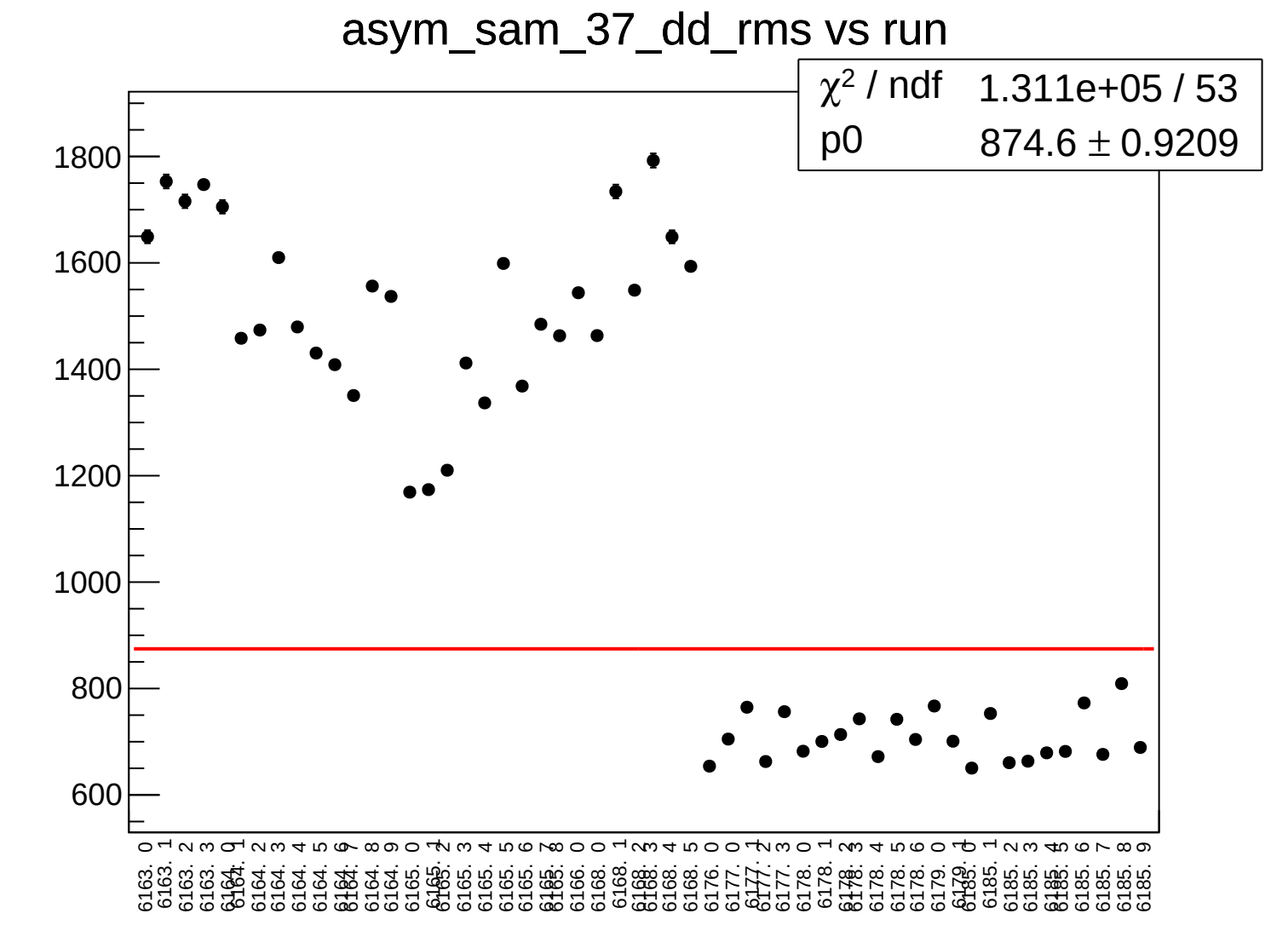
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


asym_sam_37_dd_mean vs run
χ² / ndf 64.81 / 53
p0 −2687 ± 1302
pull
Entries 54
Mean 5.262
Std Dev 0


pull1D
Entries 54
Mean −0.04163
Std Dev 1.095


asym_sam_37_dd_rms vs run
χ² / ndf 1.311e+05 / 53
p0 874.6 ± 0.9209
1800
1600
1400
1200
1000
800
600
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
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6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
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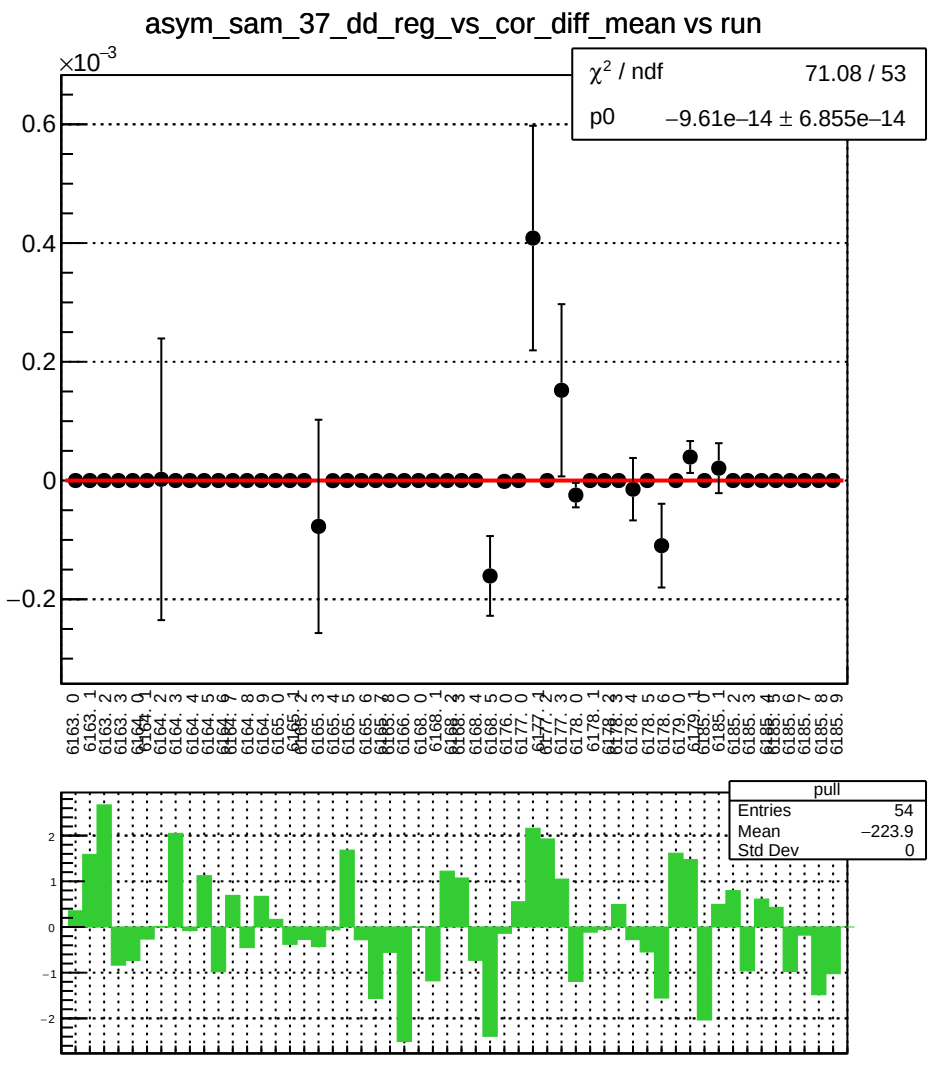
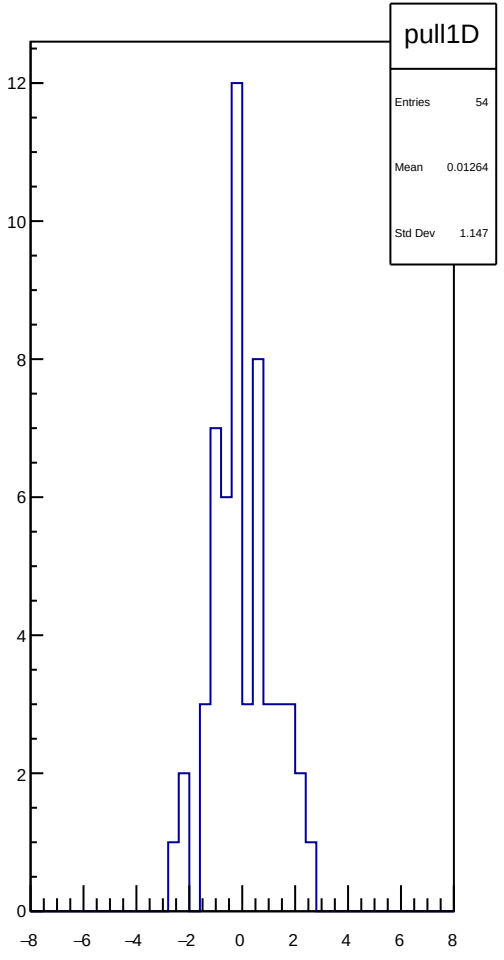
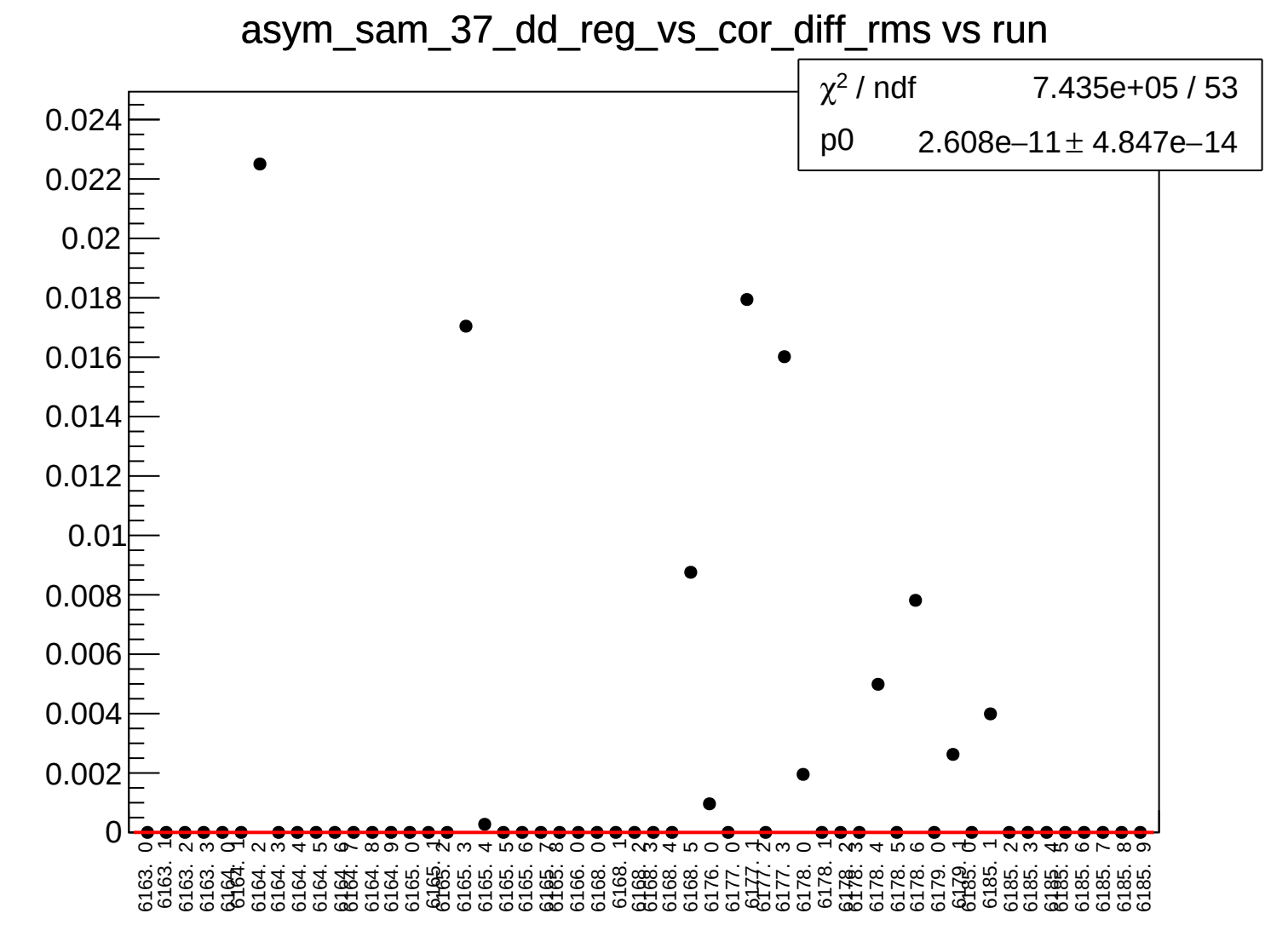
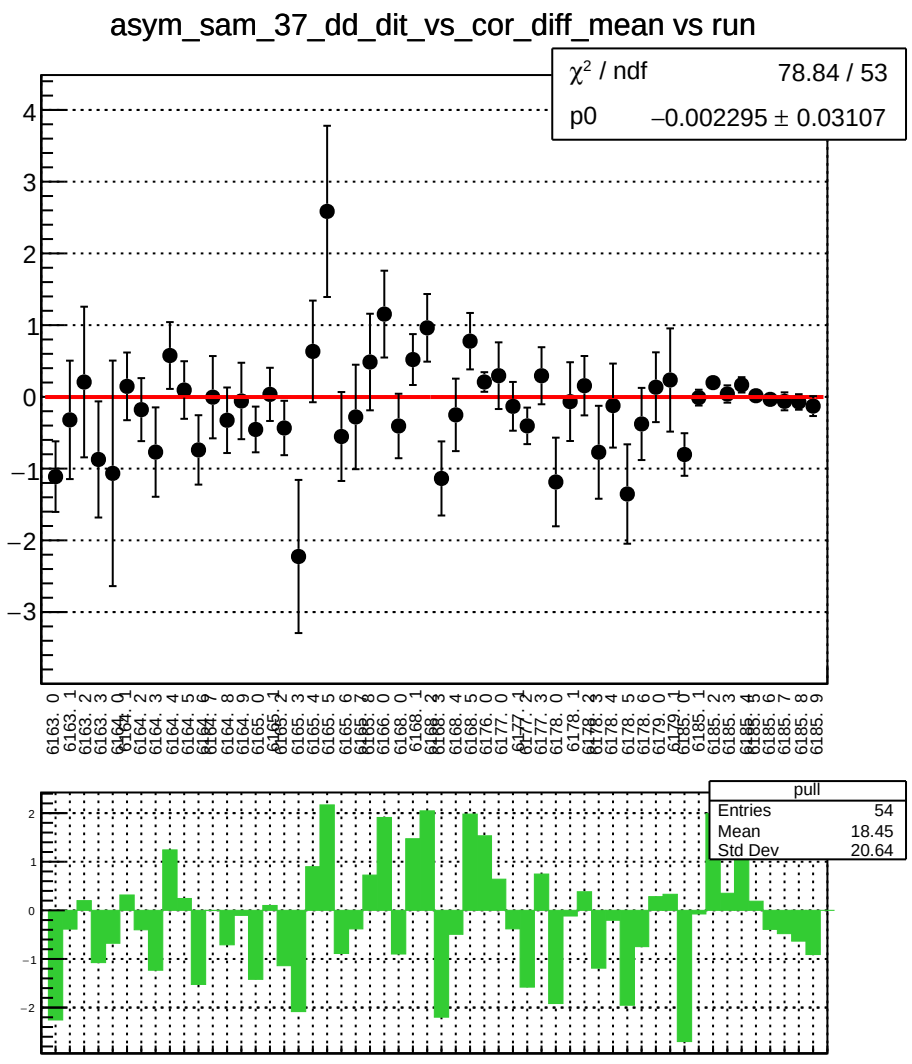
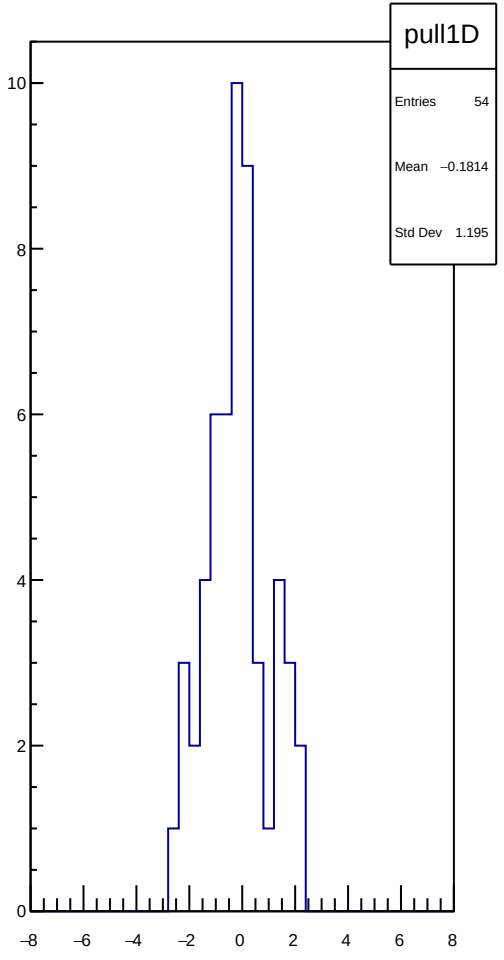
6185. 7
6185. 8
6185. 9

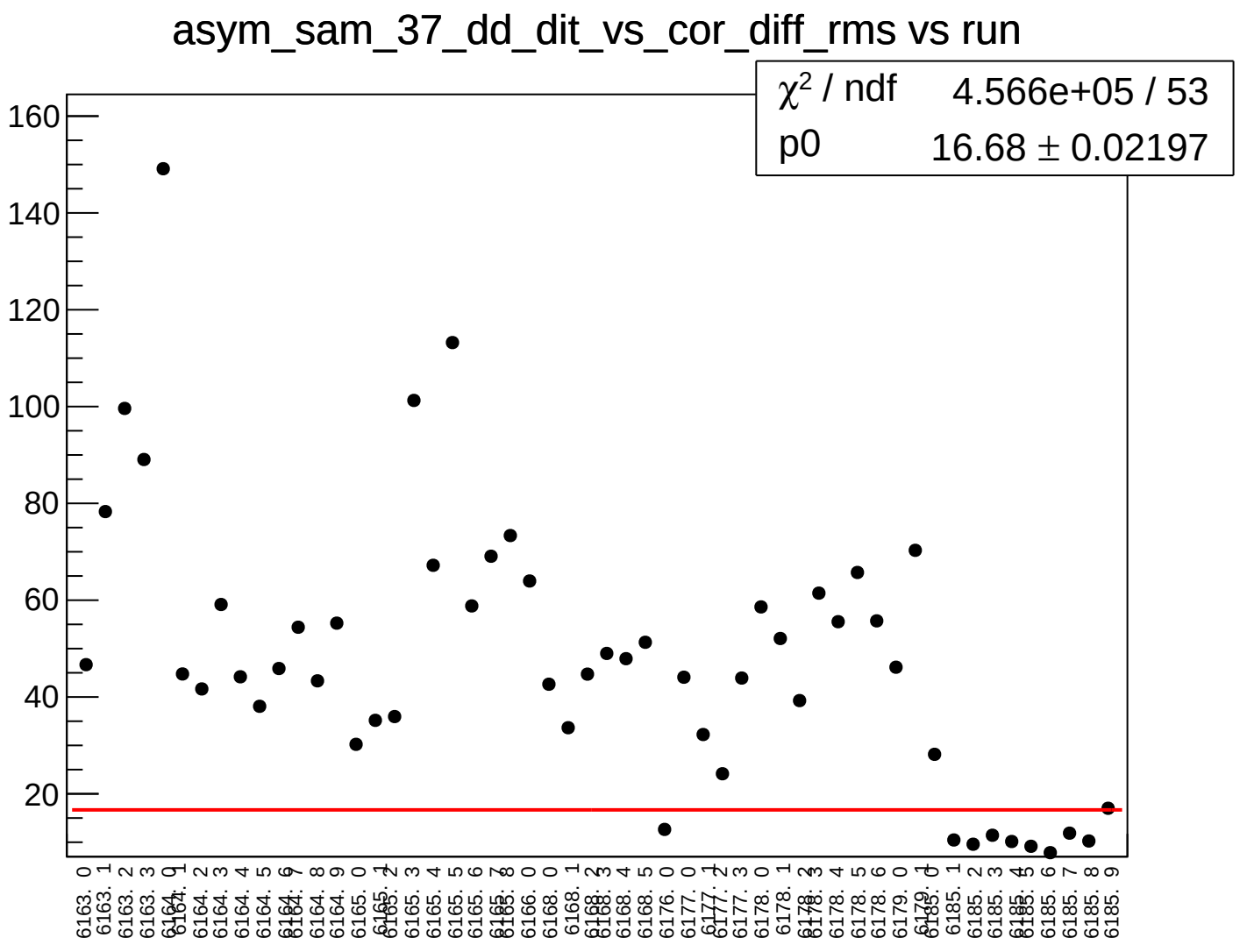

asym_sam_37_dd_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 71.08 / 53
p0 −9.61e−14 ± 6.855e−14
0.6
0.4
0.2
0
−0.2
pull
Entries 54
Mean −223.9
Std Dev 0
2
1
0
−1
−2

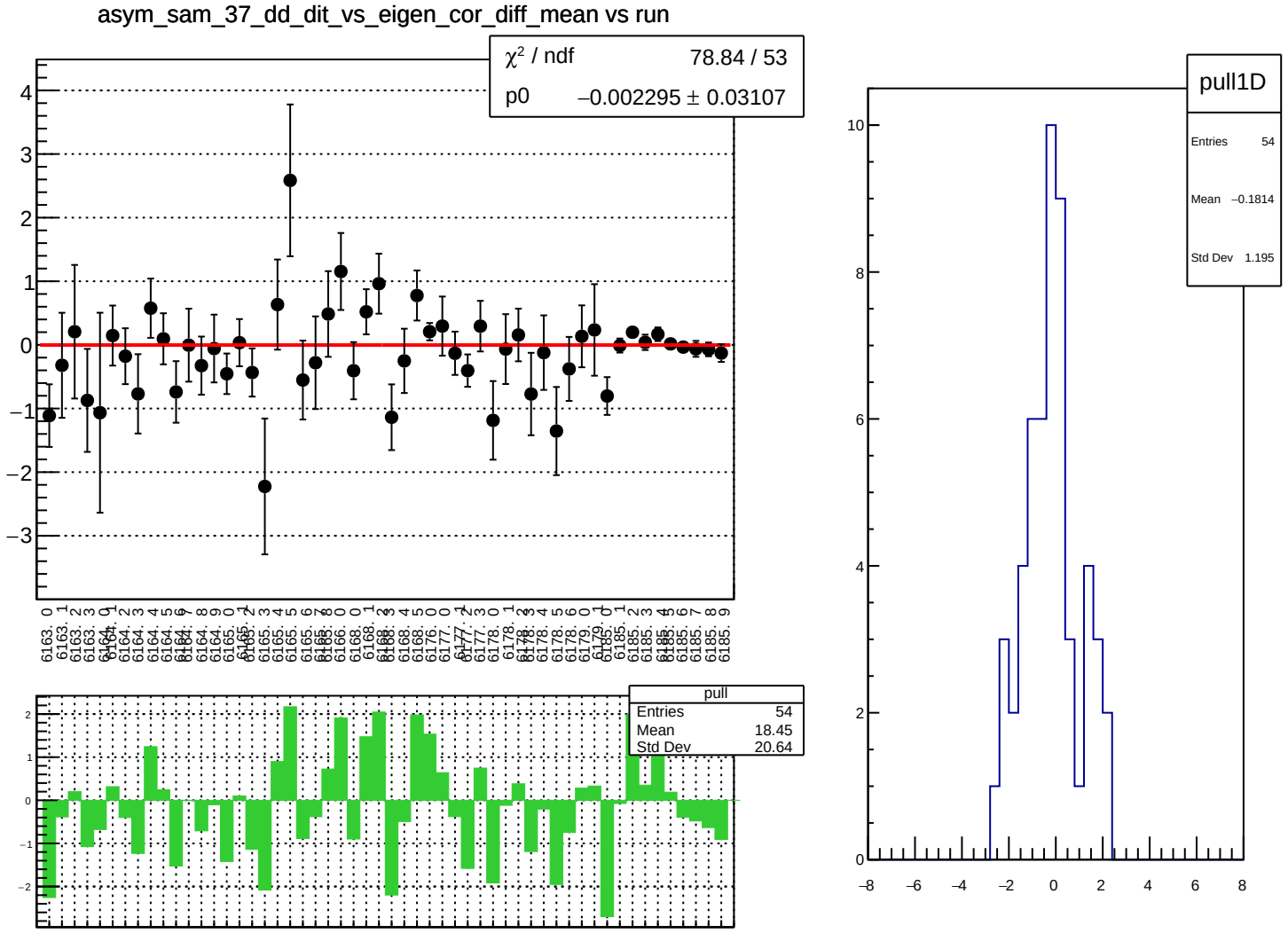

pull1D
Entries 54
Mean 0.01264
Std Dev 1.147
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

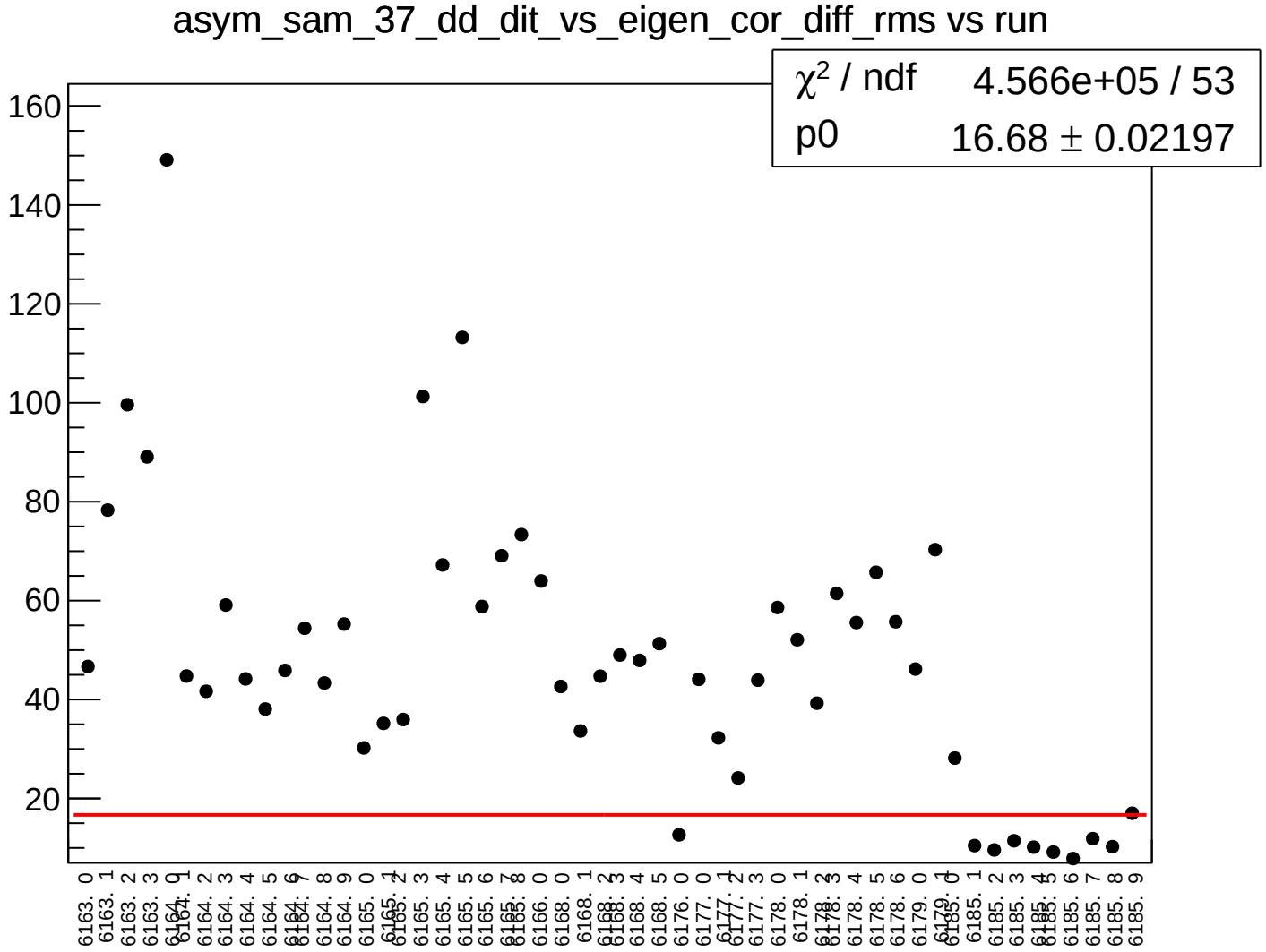

asym_sam_37_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 7.435e+05 / 53
p0 2.608e−11 ± 4.847e−14
0.024
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 2
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6179. 1
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

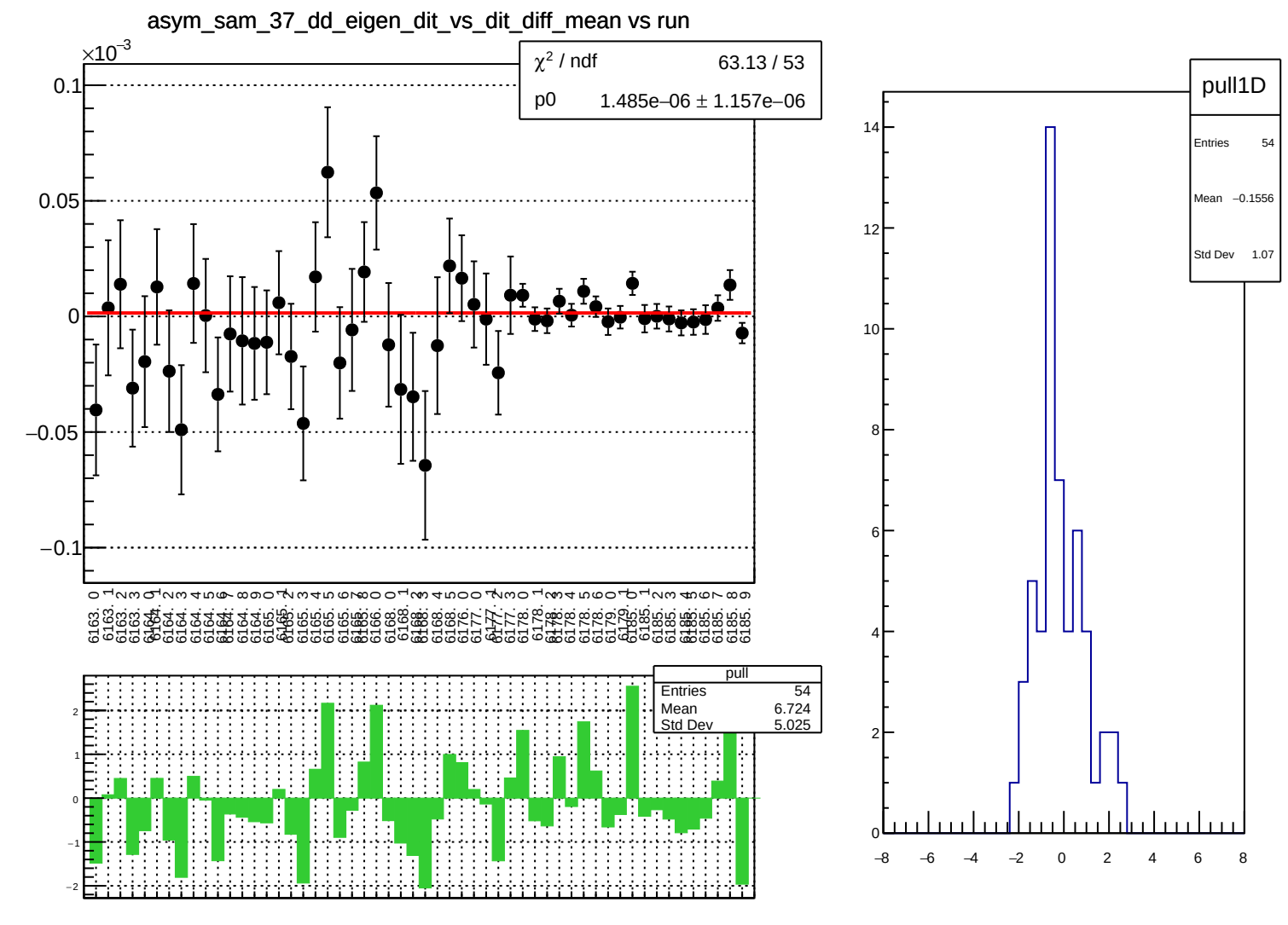

asym_sam_37_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 78.84 / 53
p0 −0.002295 ± 0.03107
pull
Entries 54
Mean 18.45
Std Dev 20.64

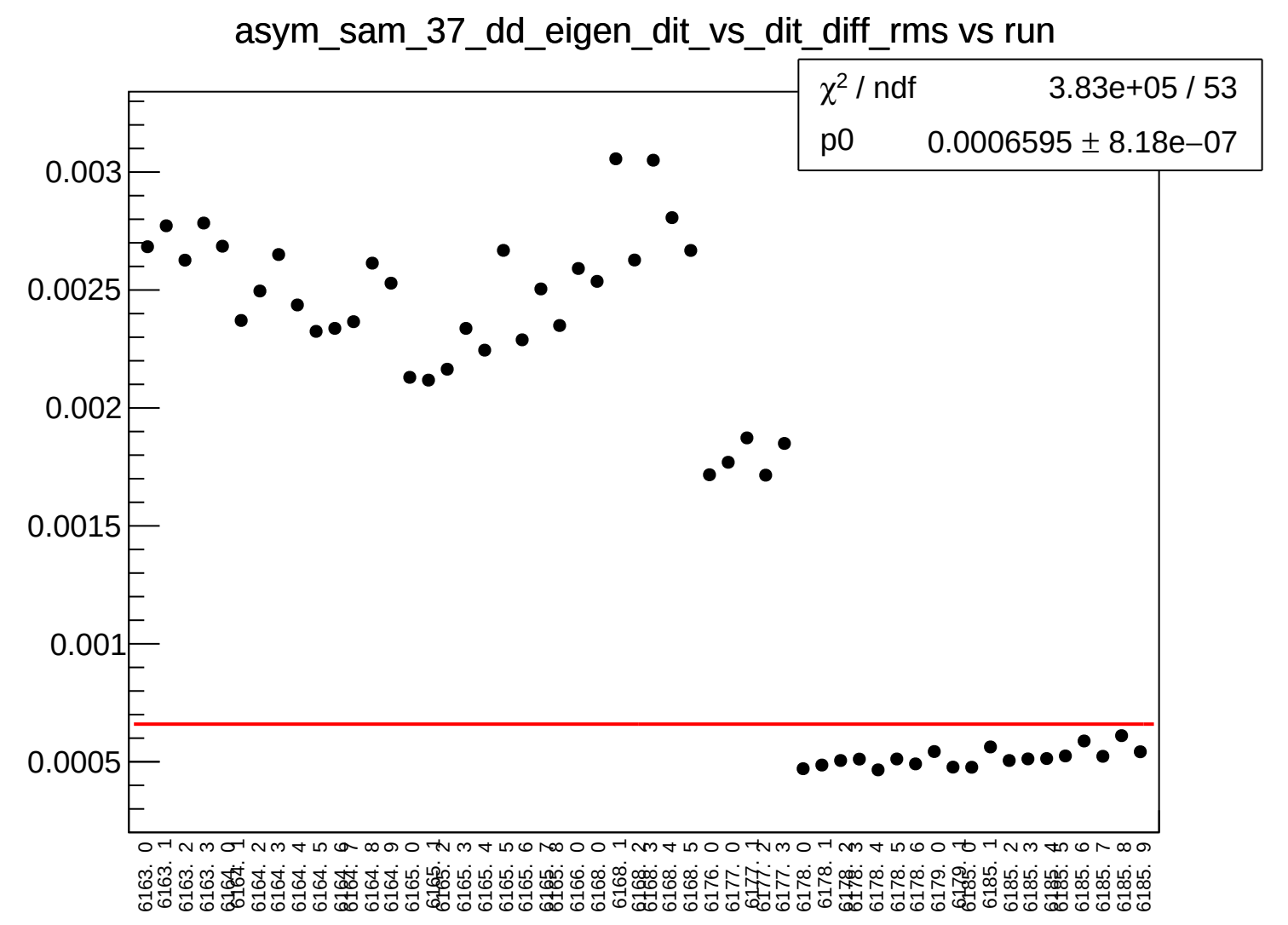

pull1D
Entries 54
Mean −0.1814
Std Dev 1.195

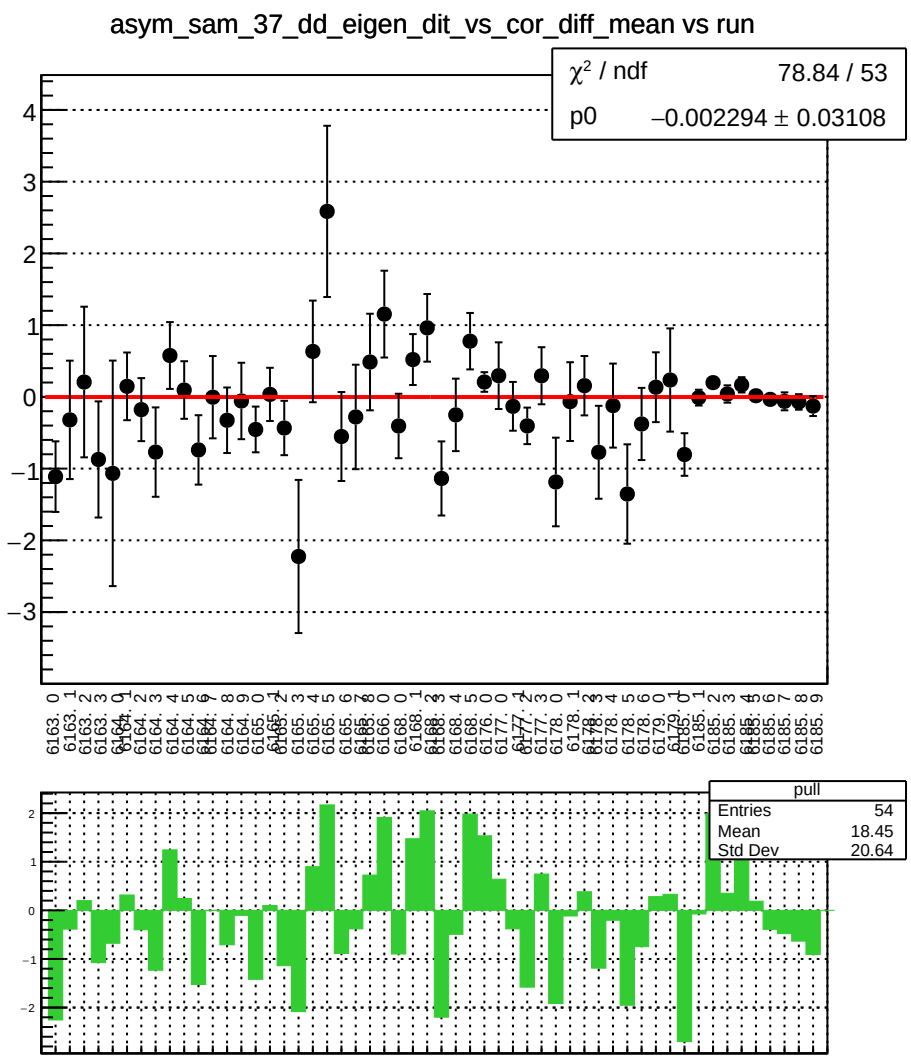

asym_sam_37_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 4.566e+05 / 53
p0 16.68 ± 0.02197
160
140
120
100
80
60
40
20
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

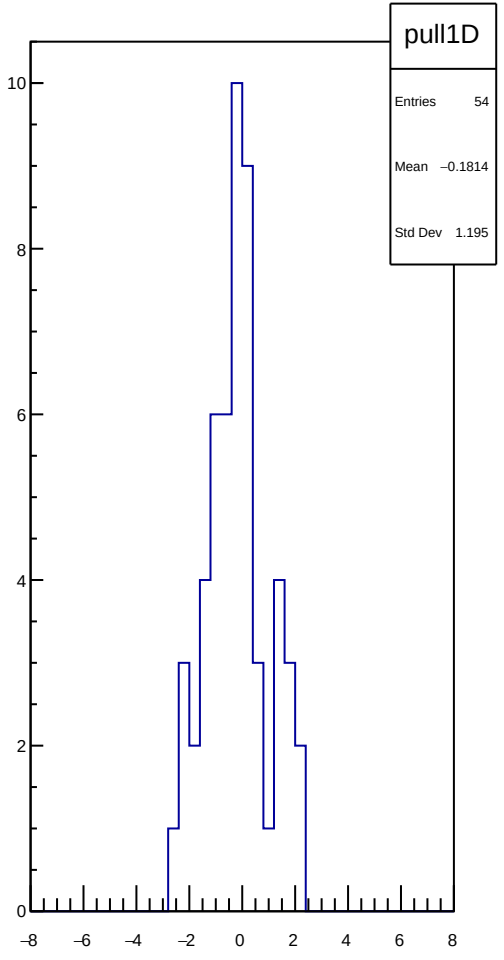

asym_sam_37_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 78.84 / 53
p0 −0.002295 ± 0.03107
pull
Entries 54
Mean 18.45
Std Dev 20.64
pull1D
Entries 54
Mean −0.1814
Std Dev 1.195

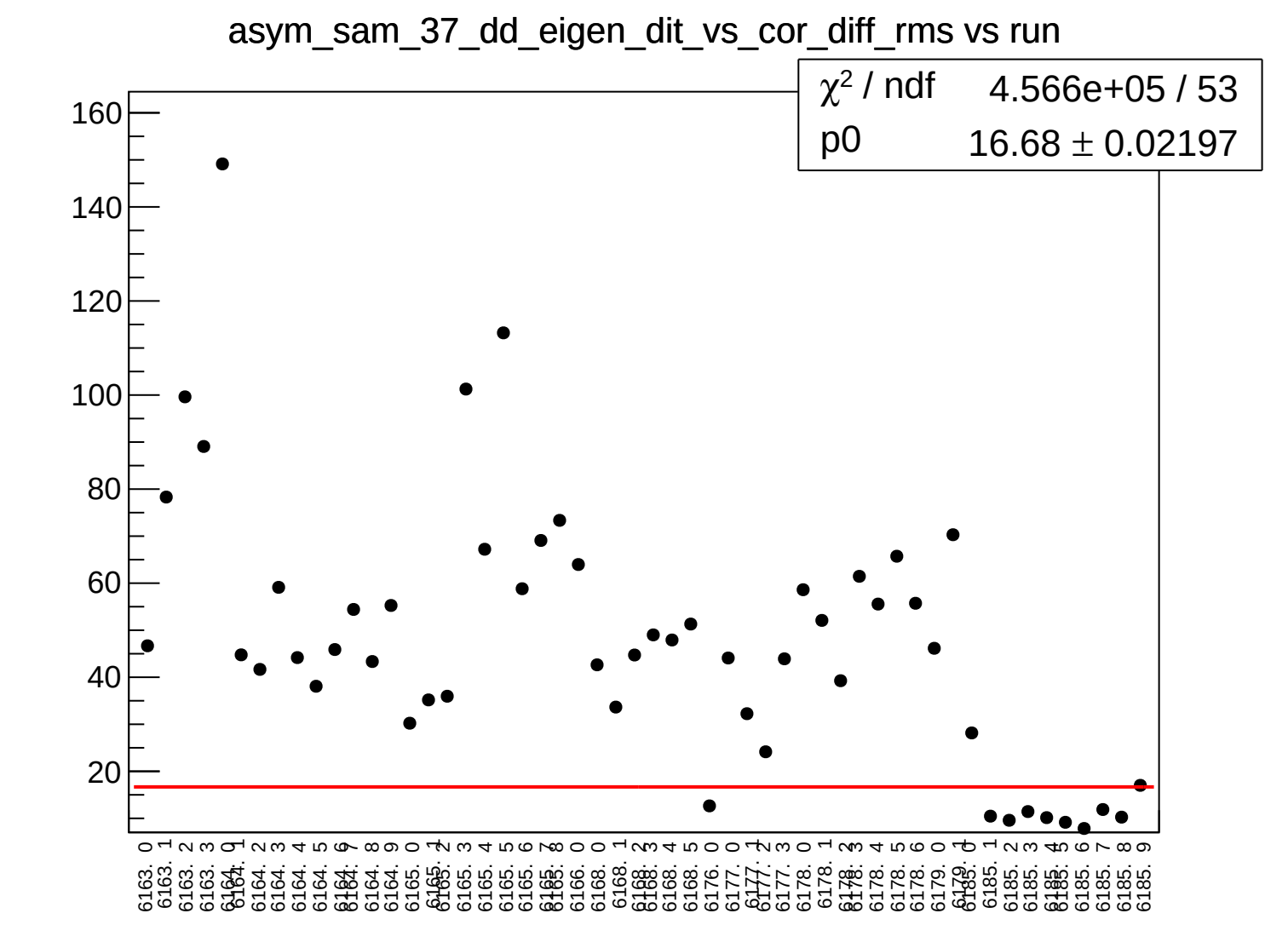

asym_sam_37_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.566e+05 / 53
p0 16.68 ± 0.02197
160
140
120
100
80
60
40
20
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

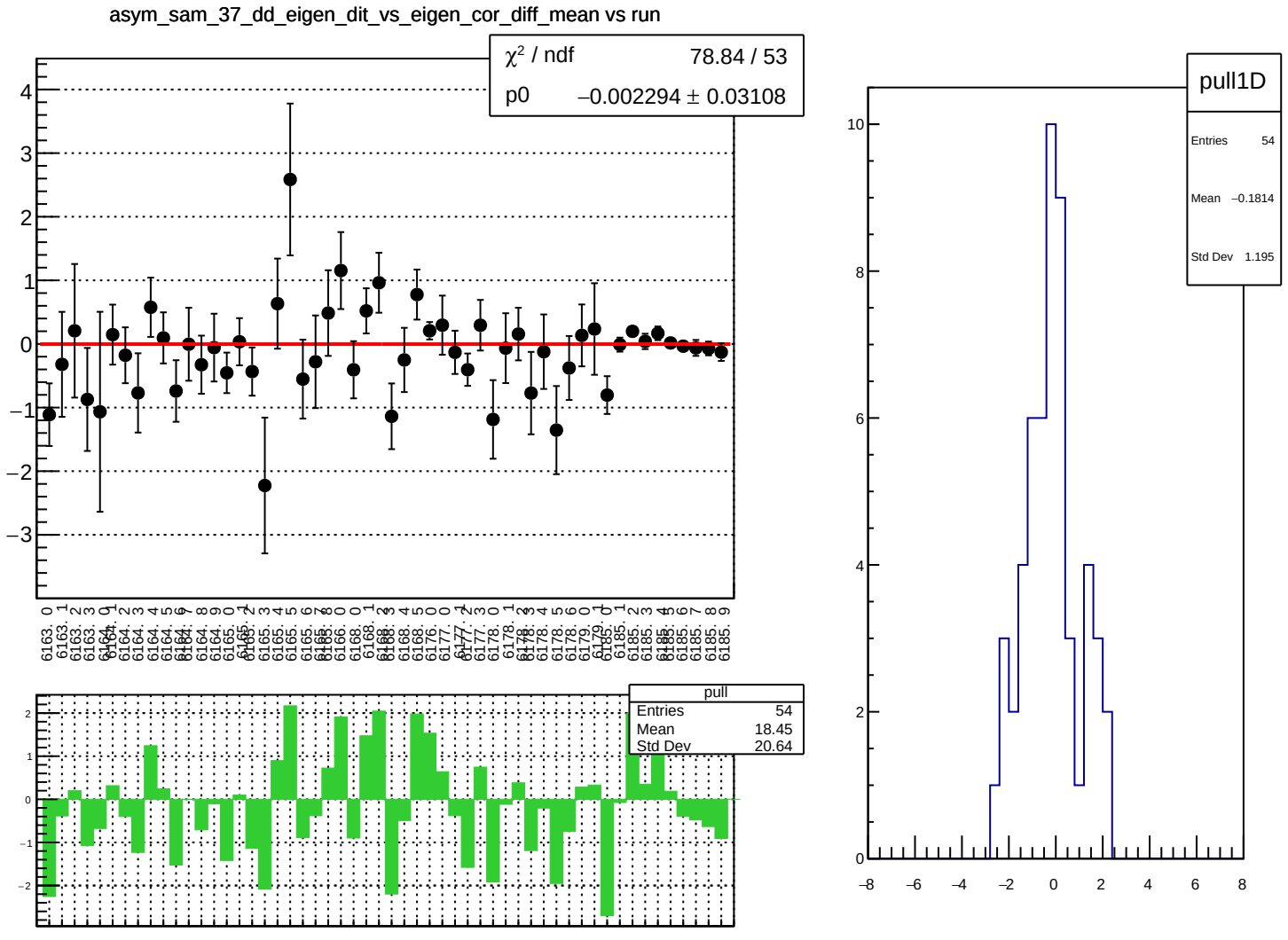

asym_sam_37_dd_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 63.13 / 53
p0 1.485e−06 ± 1.157e−06
0.1
0.05
0
−0.05
−0.1
pull
Entries 54
Mean 6.724
Std Dev 5.025
pull1D
Entries 54
Mean −0.1556
Std Dev 1.07

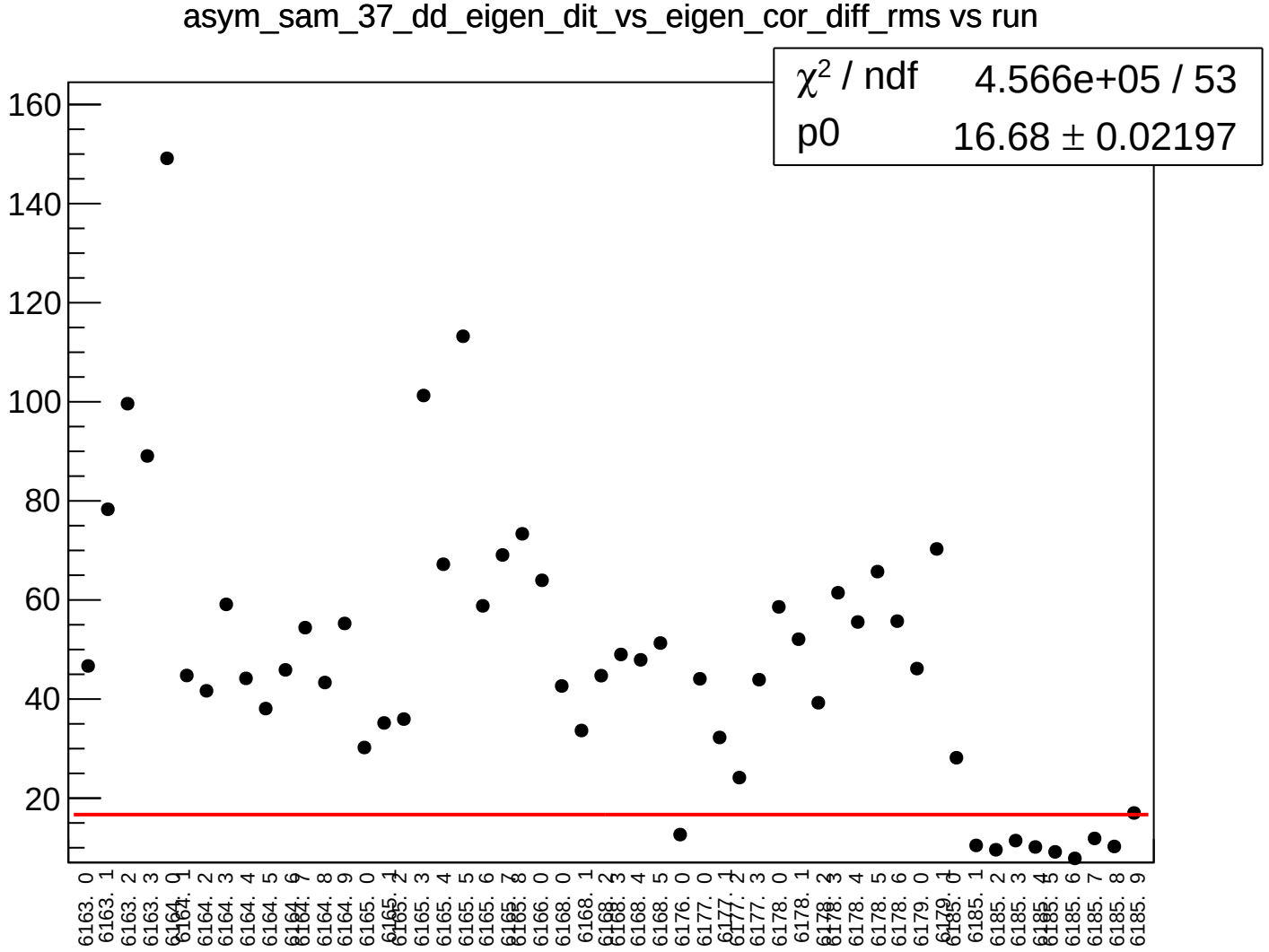

asym_sam_37_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3.83e+05 / 53
p0 0.0006595 ± 8.18e−07
0.003
0.0025
0.002
0.0015
0.001
0.0005
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

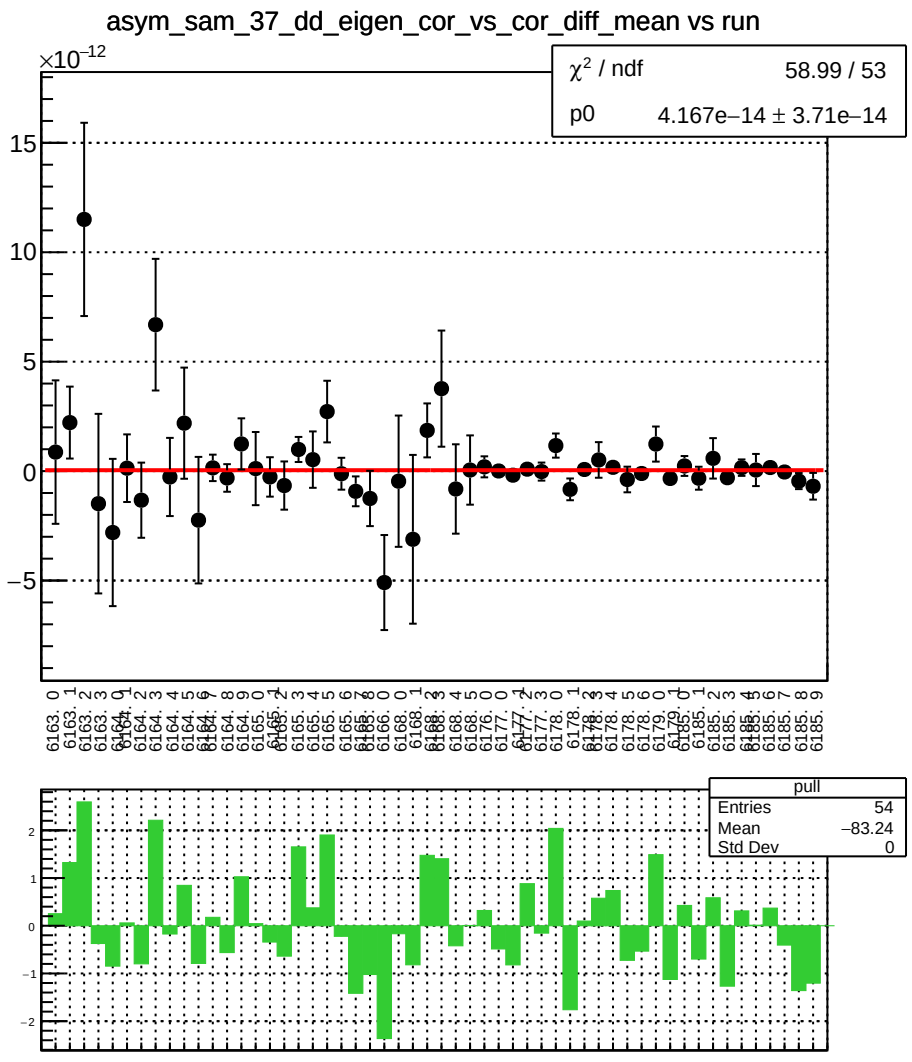

asym_sam_37_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 78.84 / 53
p0 −0.002294 ± 0.03108
pull
Entries 54
Mean 18.45
Std Dev 20.64

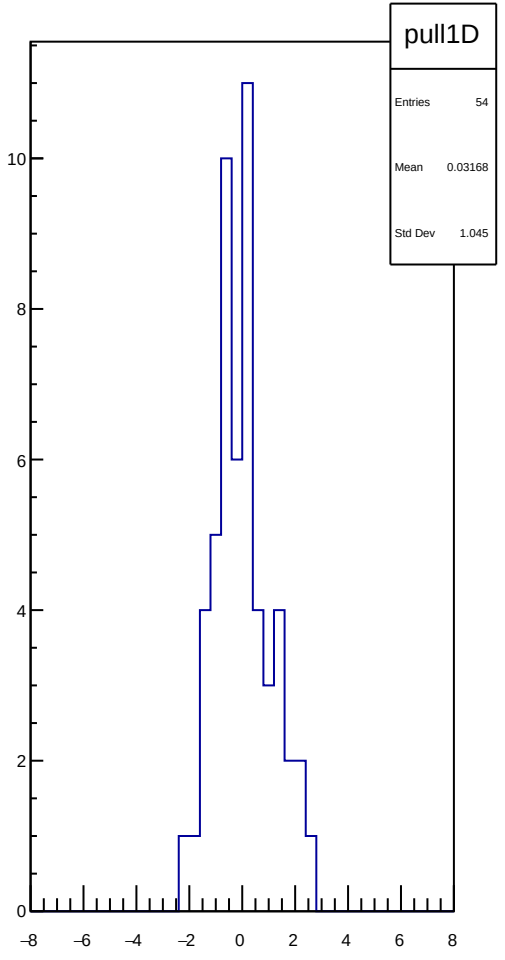

pull1D
Entries 54
Mean −0.1814
Std Dev 1.195

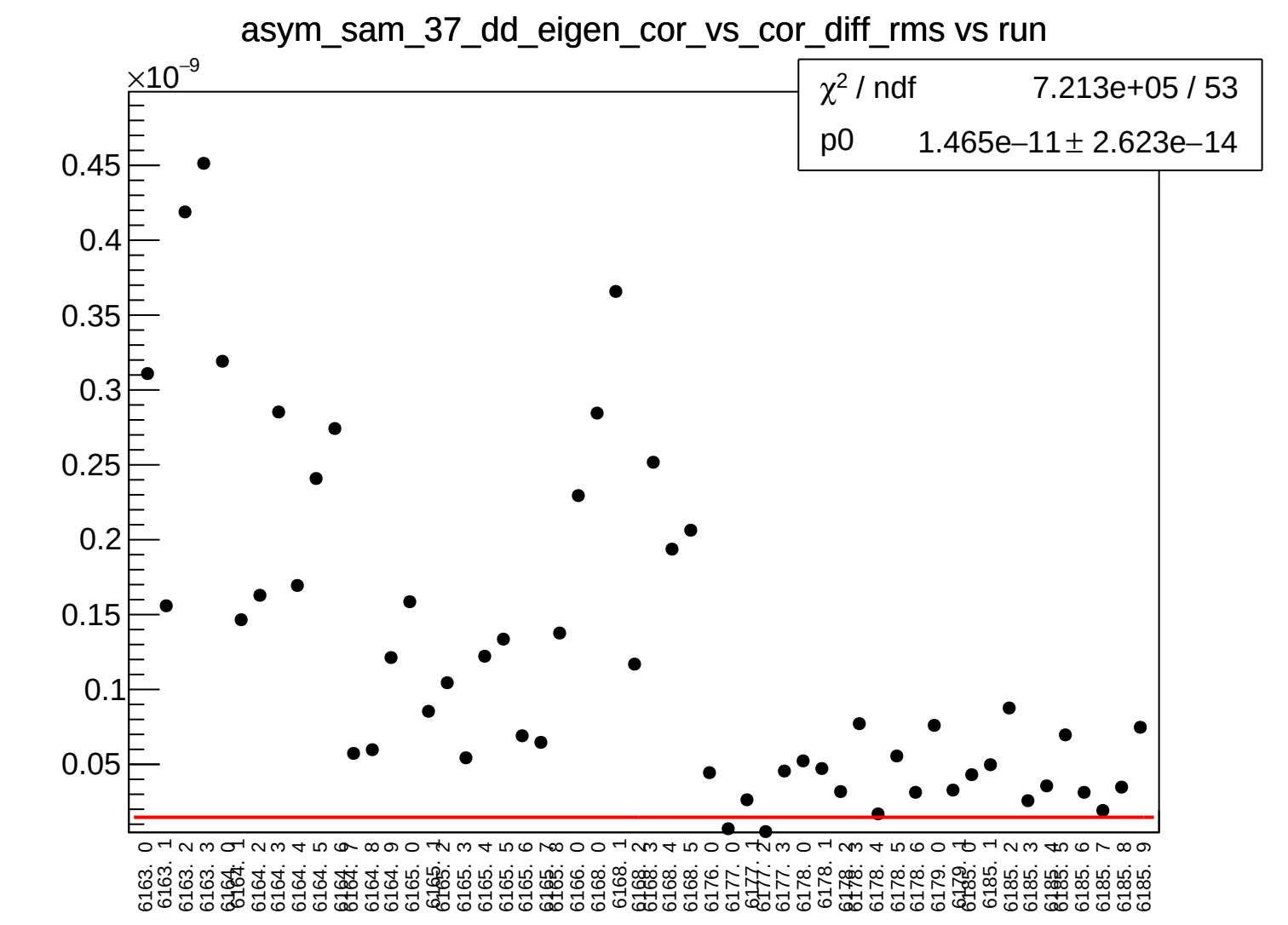

asym_sam_37_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.566e+05 / 53
p0 16.68 ± 0.02197
160
140
120
100
80
60
40
20
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

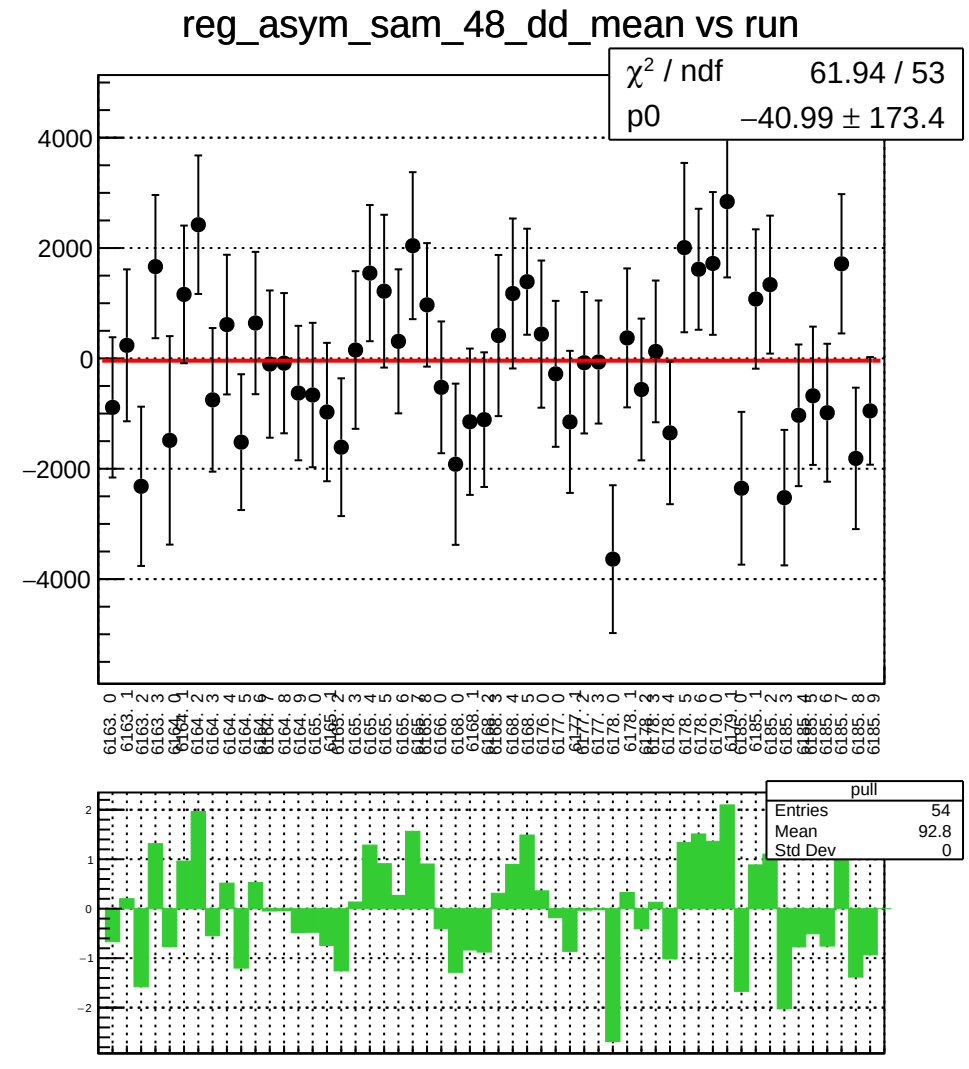

asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 78.84 / 53
p0 −0.002294 ± 0.03108
pull
Entries 54
Mean 18.45
Std Dev 20.64
pull1D
Entries 54
Mean −0.1814
Std Dev 1.195

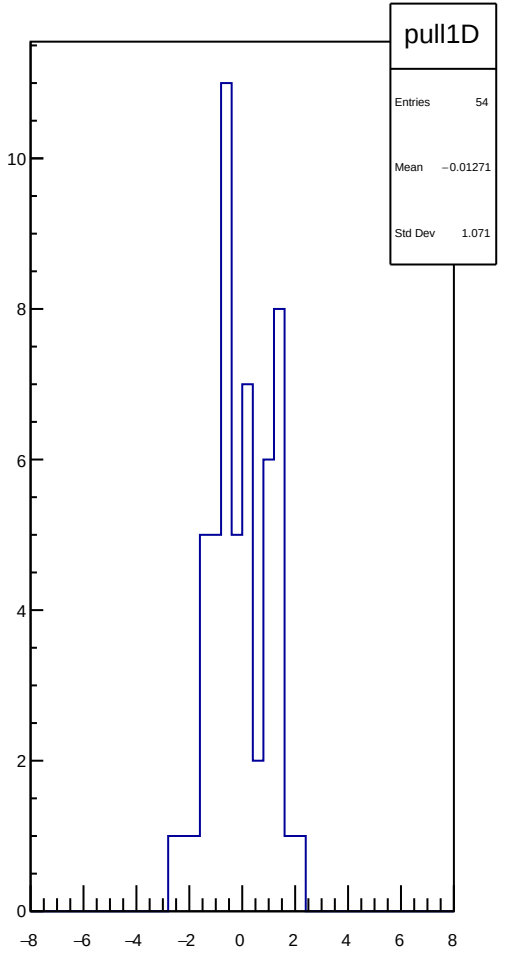

asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.566e+05 / 53
p0 16.68 ± 0.02197
160
140
120
100
80
60
40
20
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

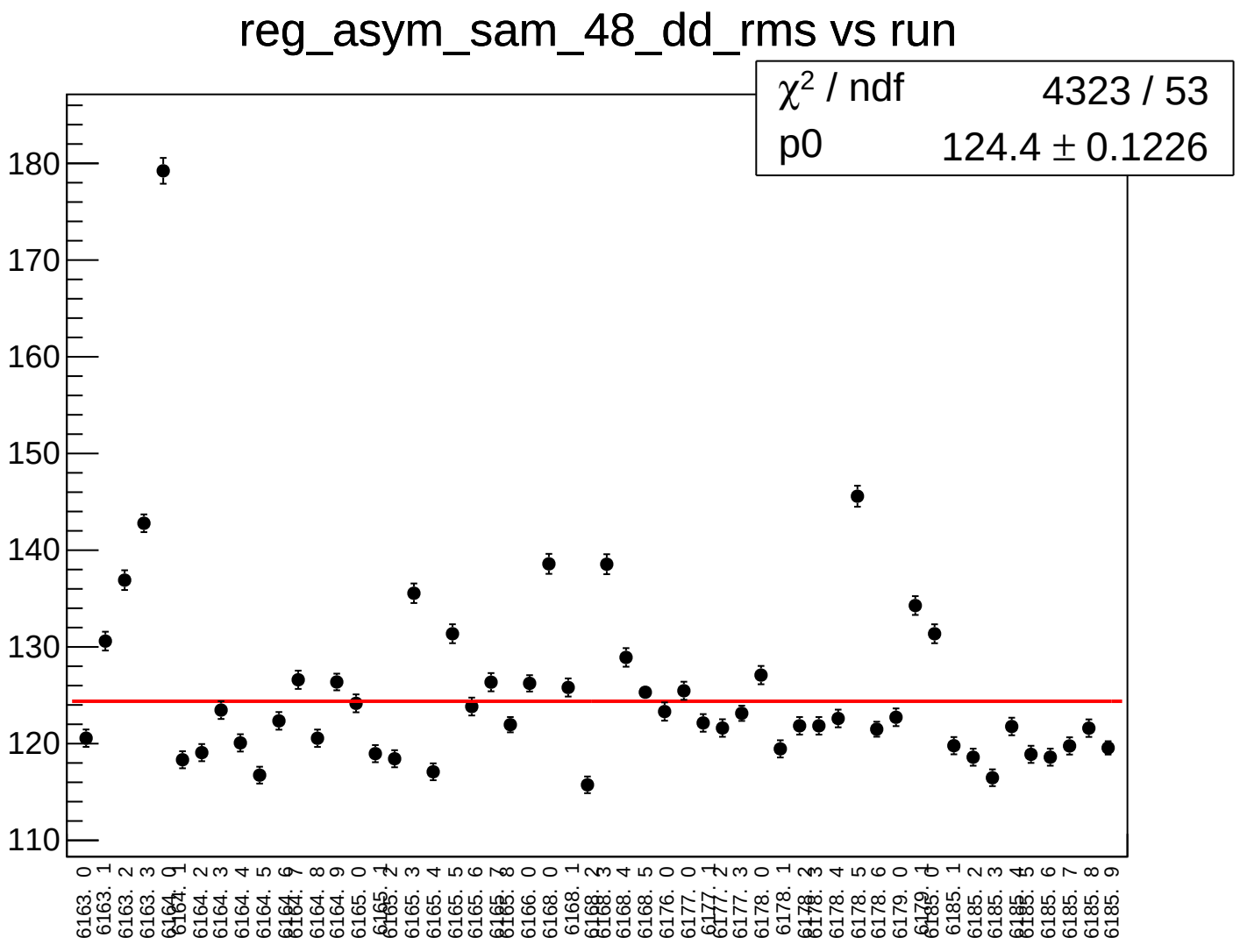

asym_sam_37_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 58.99 / 53
p0 4.167e−14 ± 3.71e−14
15
10
5
0
−5
pull
Entries 54
Mean −83.24
Std Dev 0
2
1
0
−1
−2

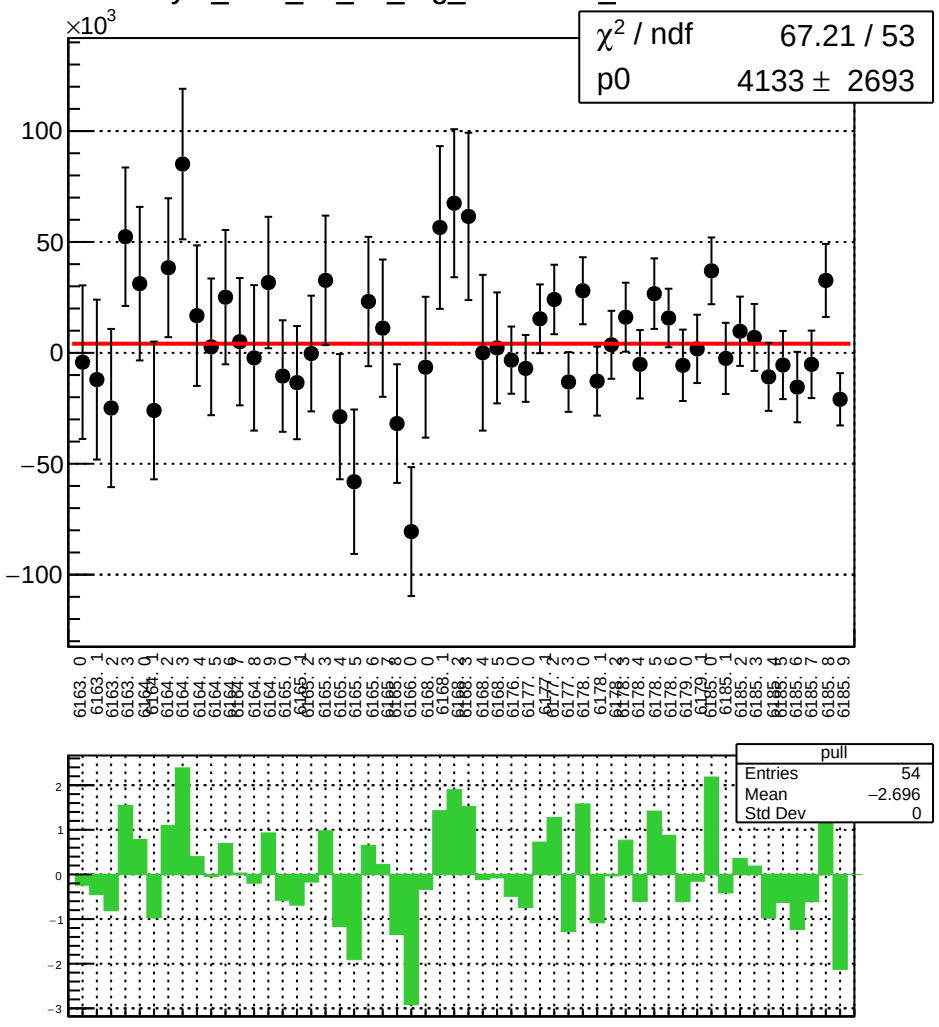

pull1D
Entries 54
Mean 0.03168
Std Dev 1.045
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

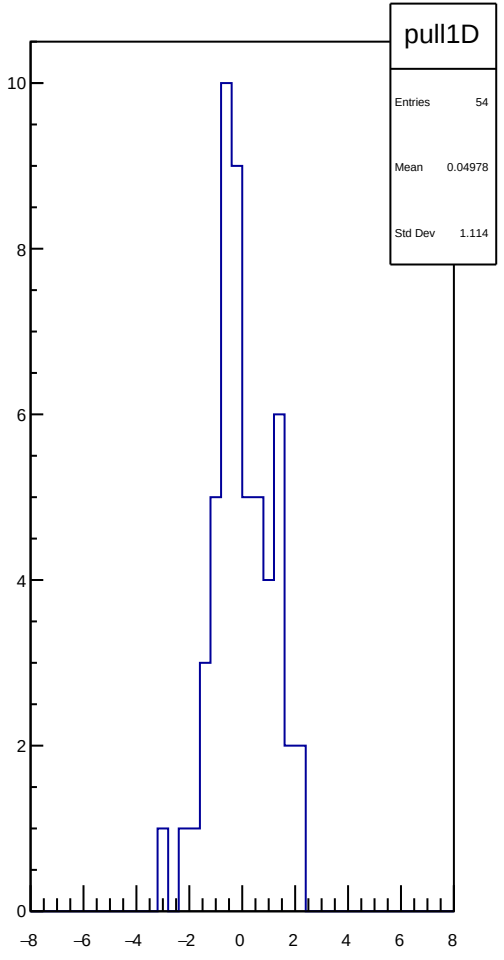

asym_sam_37_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 7.213e+05 / 53
p0 1.465e−11 ± 2.623e−14
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

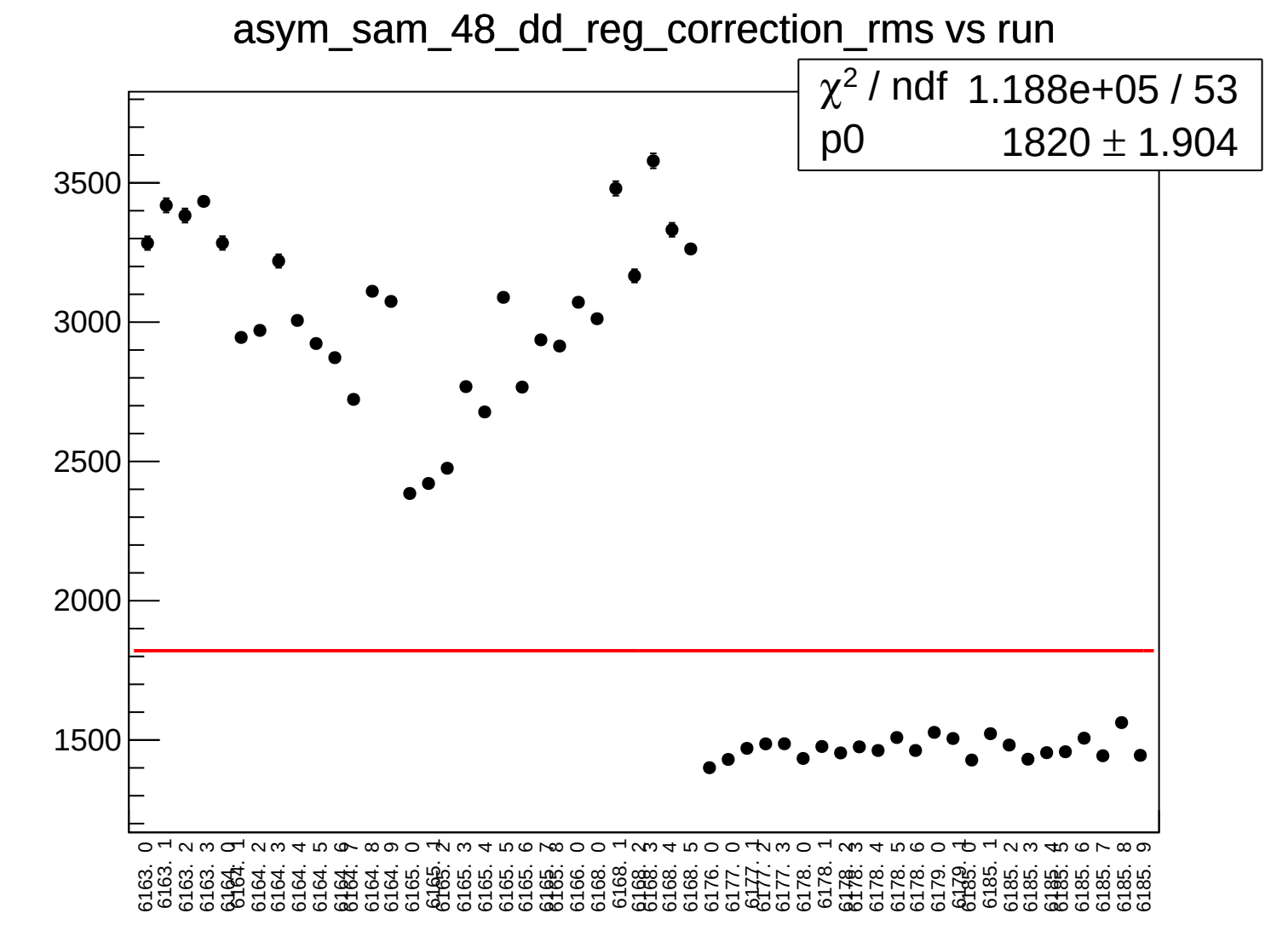

reg_asym_sam_48_dd_mean vs run
χ² / ndf 61.94 / 53
p0 −40.99 ± 173.4
4000
2000
0
−2000
−4000
pull
Entries 54
Mean 92.8
Std Dev 0
2
1
0
−1
−2

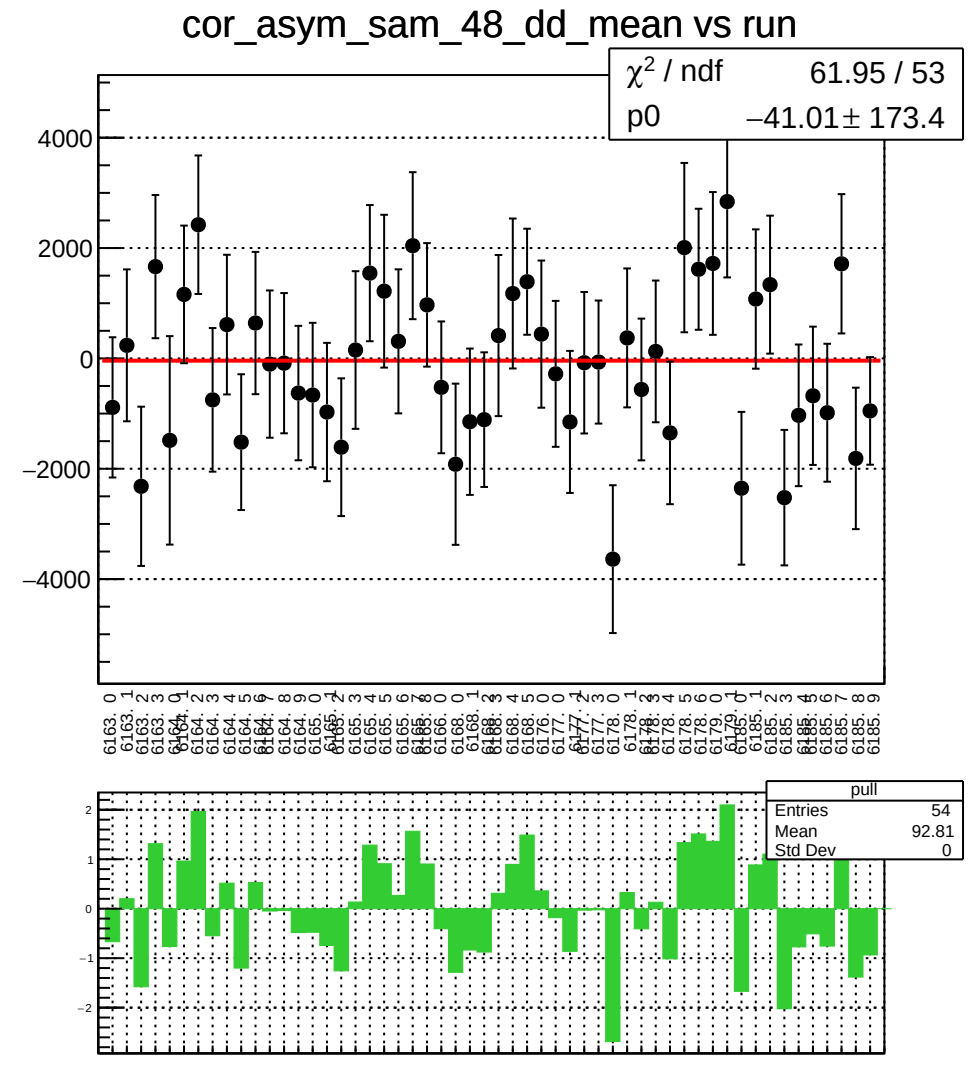

pull1D
Entries 54
Mean −0.01271
Std Dev 1.071
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

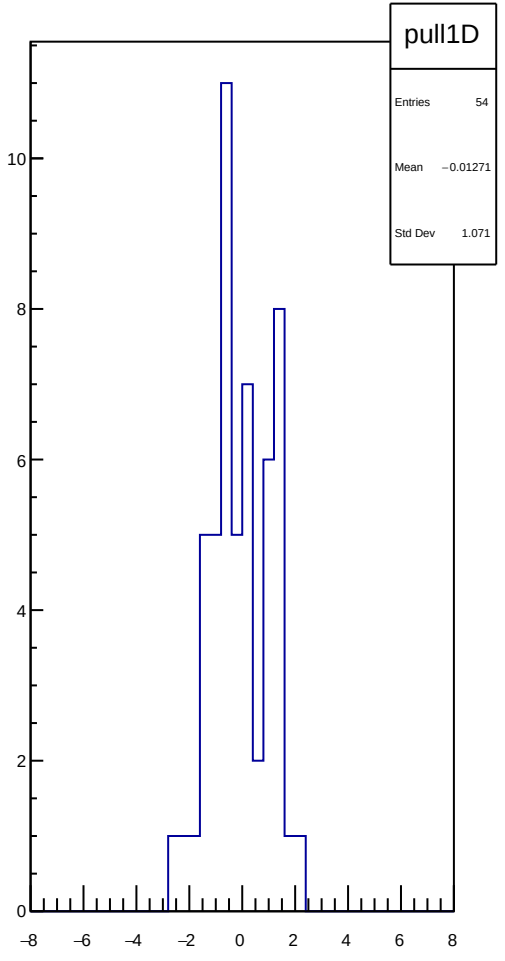

reg_asym_sam_48_dd_rms vs run
χ² / ndf 4323 / 53
p0 124.4 ± 0.1226
180
170
160
150
140
130
120
110
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

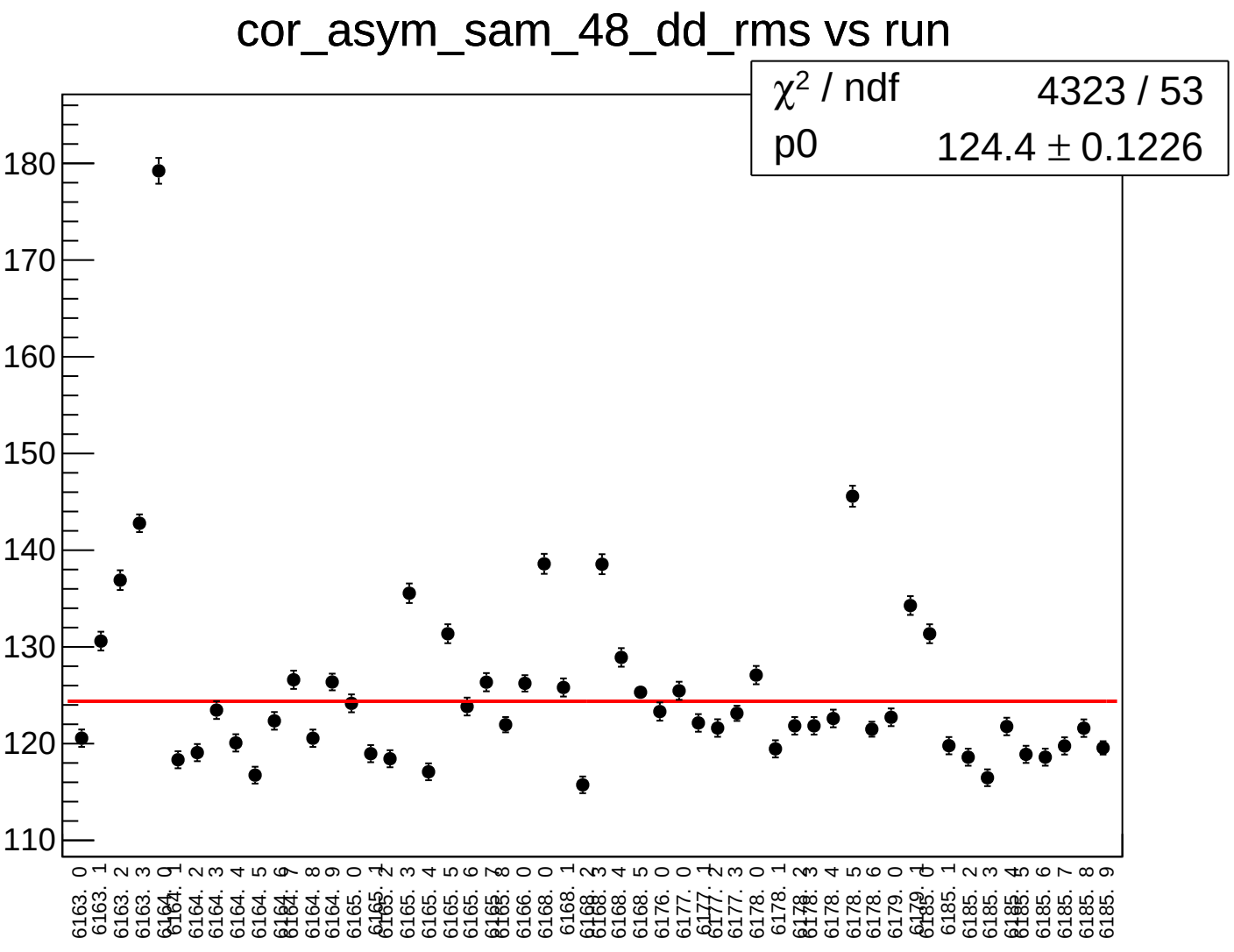

asym_sam_48_dd_reg_correction_mean vs run
×10^3
χ² / ndf 67.21 / 53
p0 4133 ± 2693
100
50
0
−50
−100
pull
Entries 54
Mean −2.696
Std Dev 0
2
1
0
−1
−2
−3

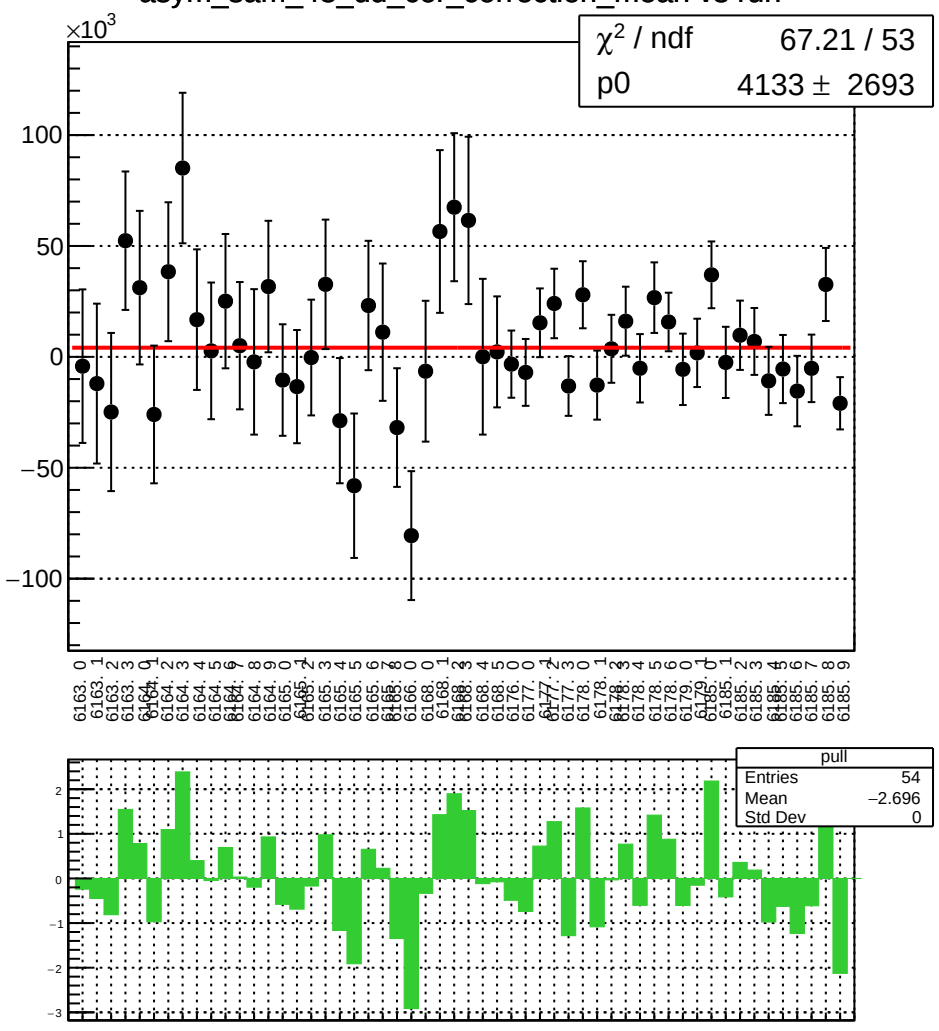

pull1D
Entries 54
Mean 0.04978
Std Dev 1.114
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

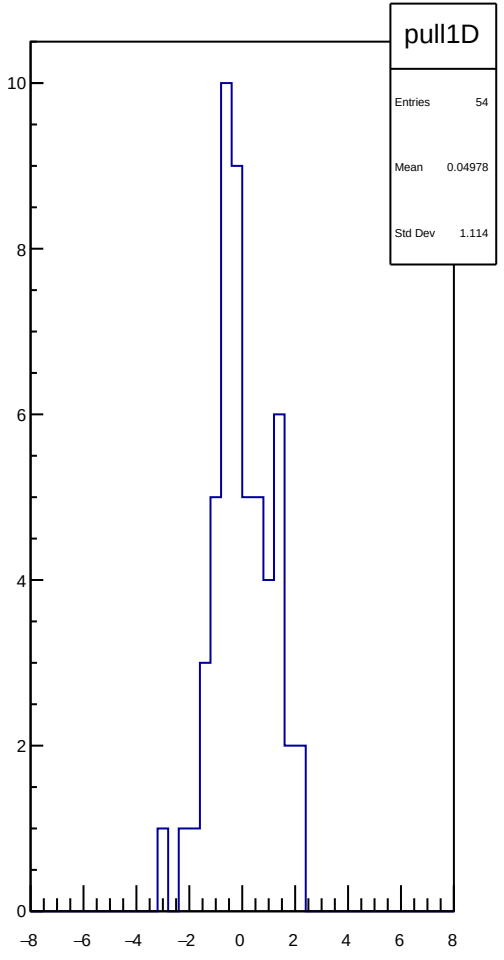

asym_sam_48_dd_reg_correction_rms vs run
χ² / ndf 1.188e+05 / 53
p0 1820 ± 1.904
3500
3000
2500
2000
1500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

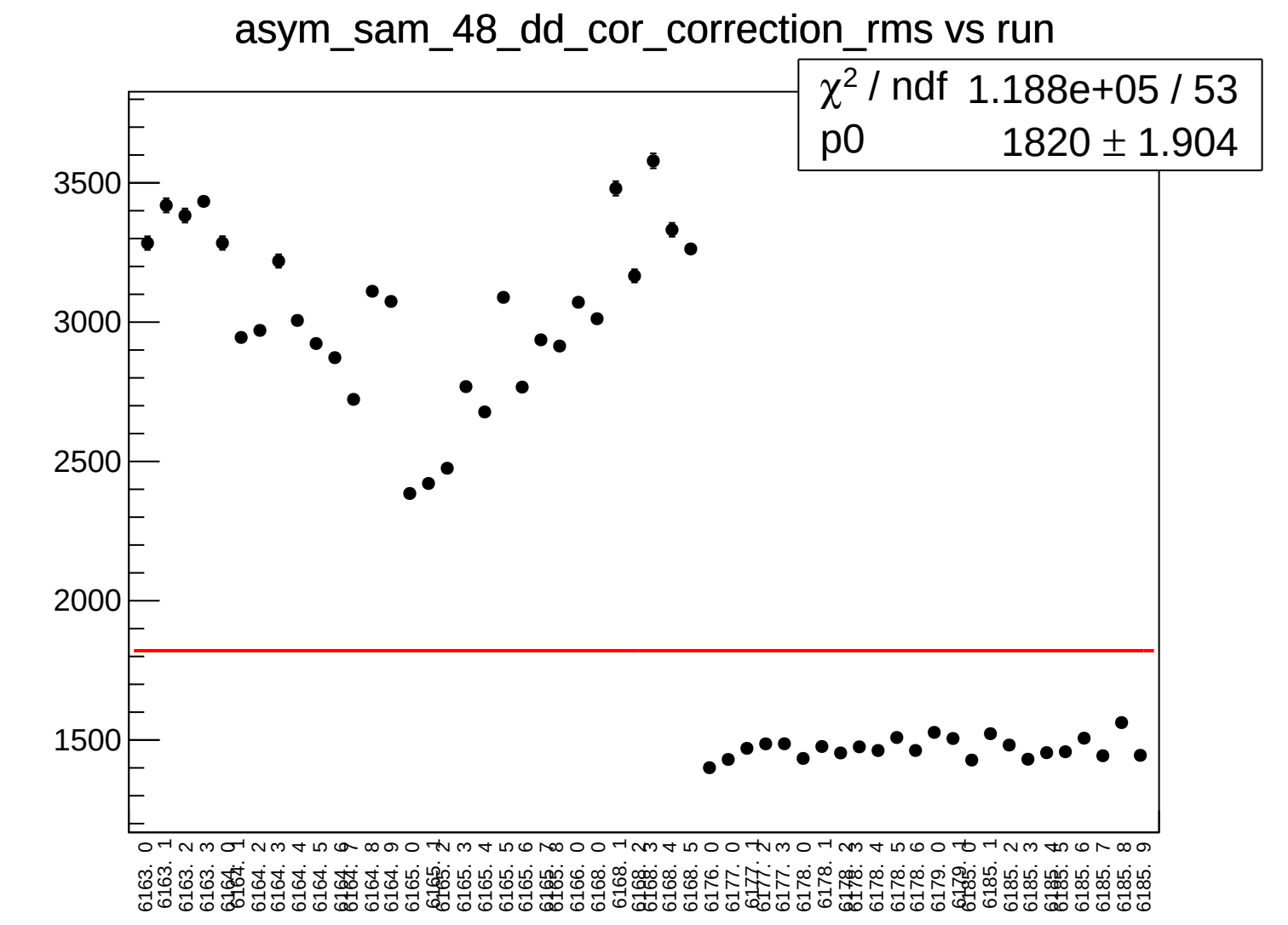

cor_asym_sam_48_dd_mean vs run
χ² / ndf 61.95 / 53
p0 −41.01± 173.4
4000
2000
0
−2000
−4000
pull
Entries 54
Mean 92.81
Std Dev 0
2
1
0
−1
−2

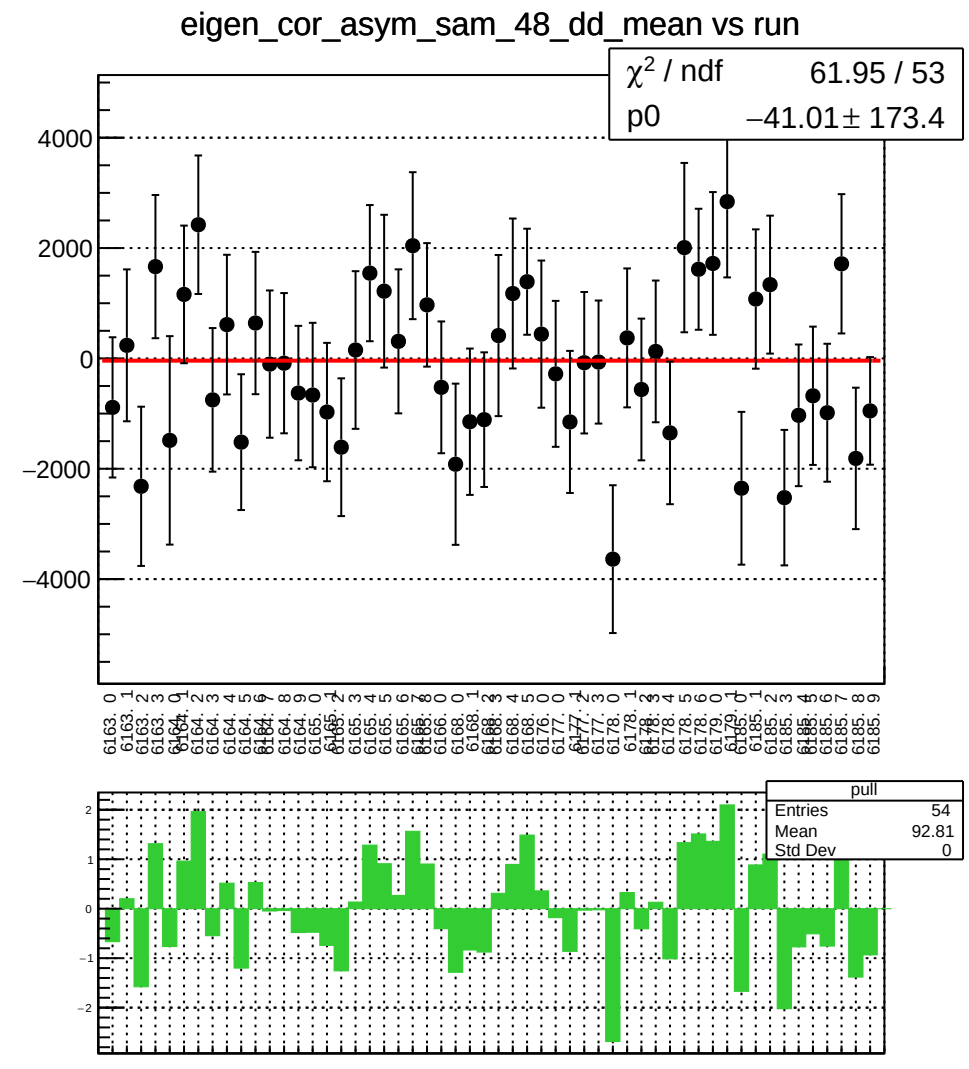

pull1D
Entries 54
Mean −0.01271
Std Dev 1.071
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

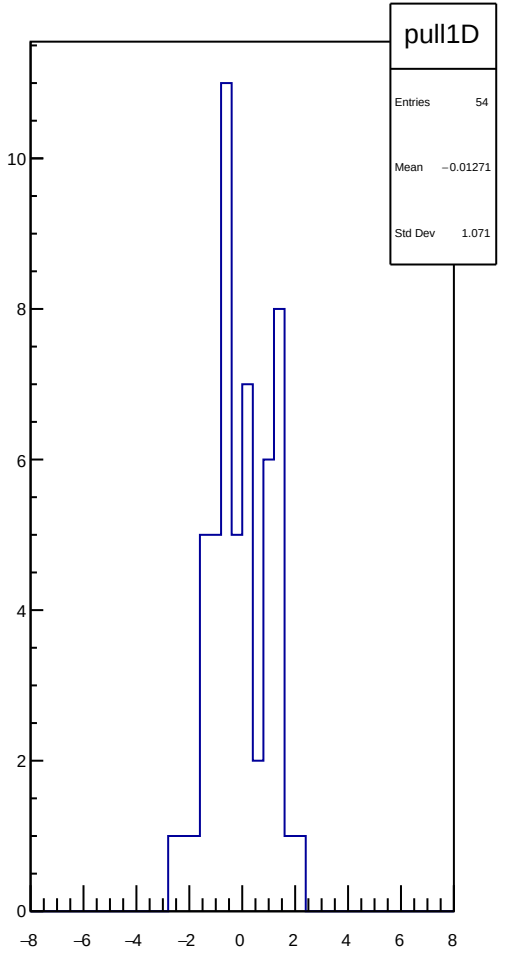

cor_asym_sam_48_dd_rms vs run
χ² / ndf 4323 / 53
p0 124.4 ± 0.1226
180
170
160
150
140
130
120
110
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

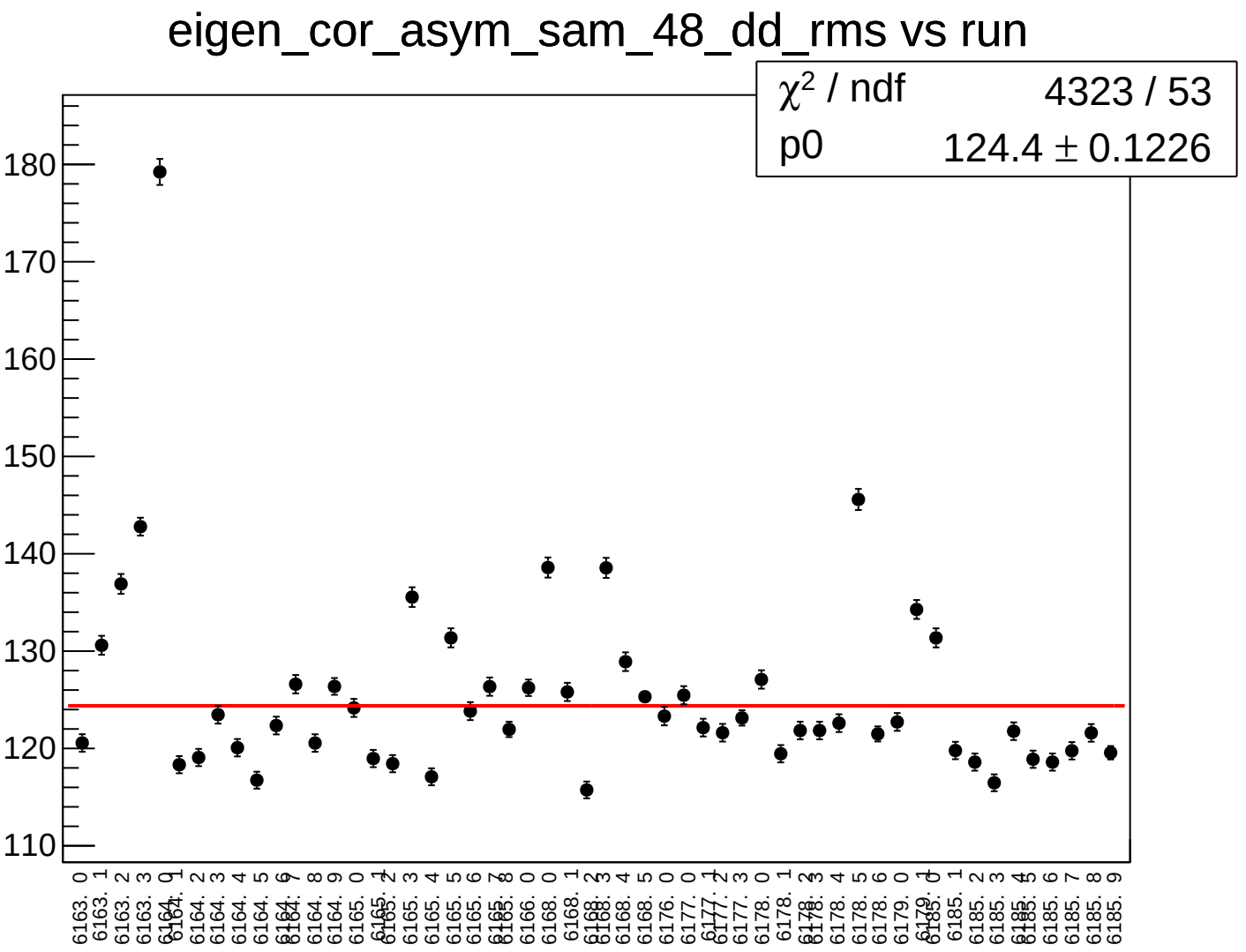

asym_sam_48_dd_cor_correction_mean vs run
×10^3
χ² / ndf 67.21 / 53
p0 4133 ± 2693
100
50
0
−50
−100
pull
Entries 54
Mean −2.696
Std Dev 0
2
1
0
−1
−2
−3

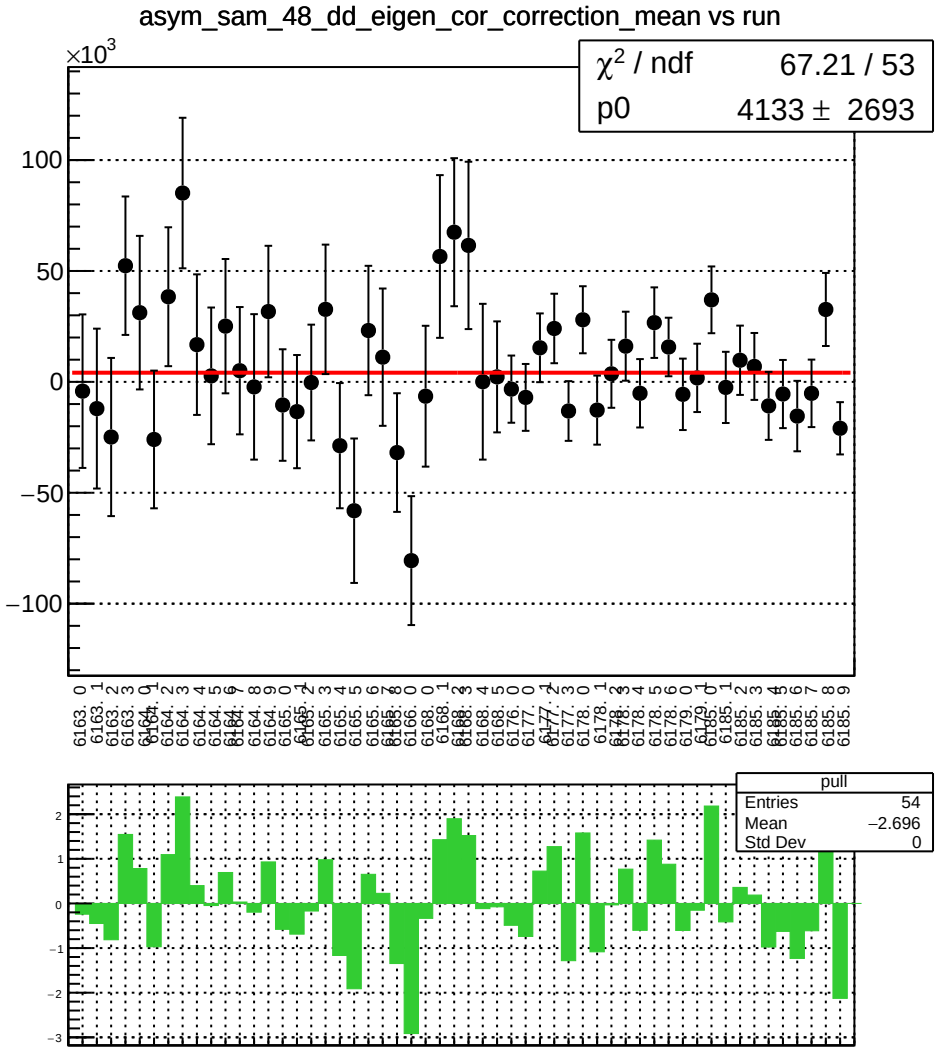

pull1D
Entries 54
Mean 0.04978
Std Dev 1.114
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

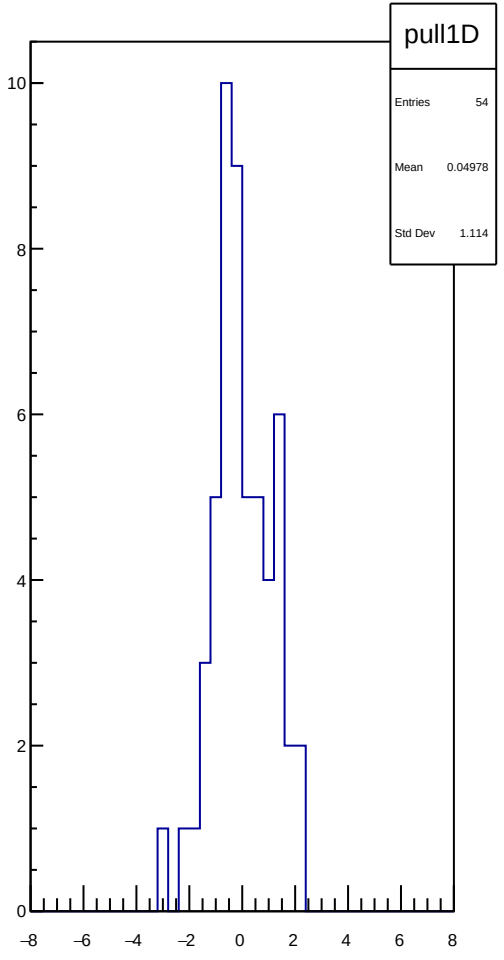

asym_sam_48_dd_cor_correction_rms vs run
χ² / ndf 1.188e+05 / 53
p0 1820 ± 1.904
3500
3000
2500
2000
1500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

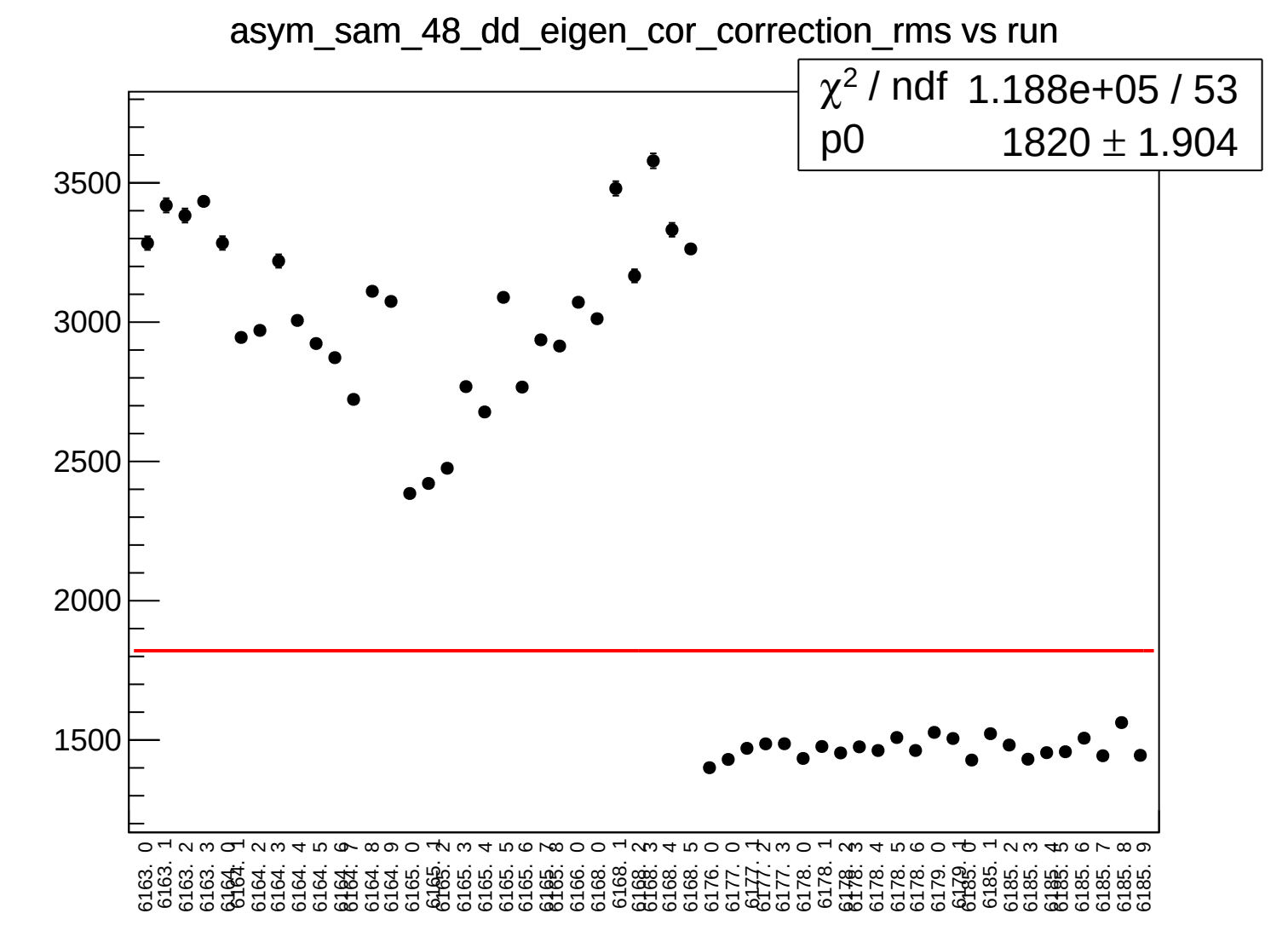

eigen_cor_asym_sam_48_dd_mean vs run
χ² / ndf 61.95 / 53
p0 −41.01 ± 173.4
4000
2000
0
−2000
−4000
pull
Entries 54
Mean 92.81
Std Dev 0
2
1
0
−1
−2

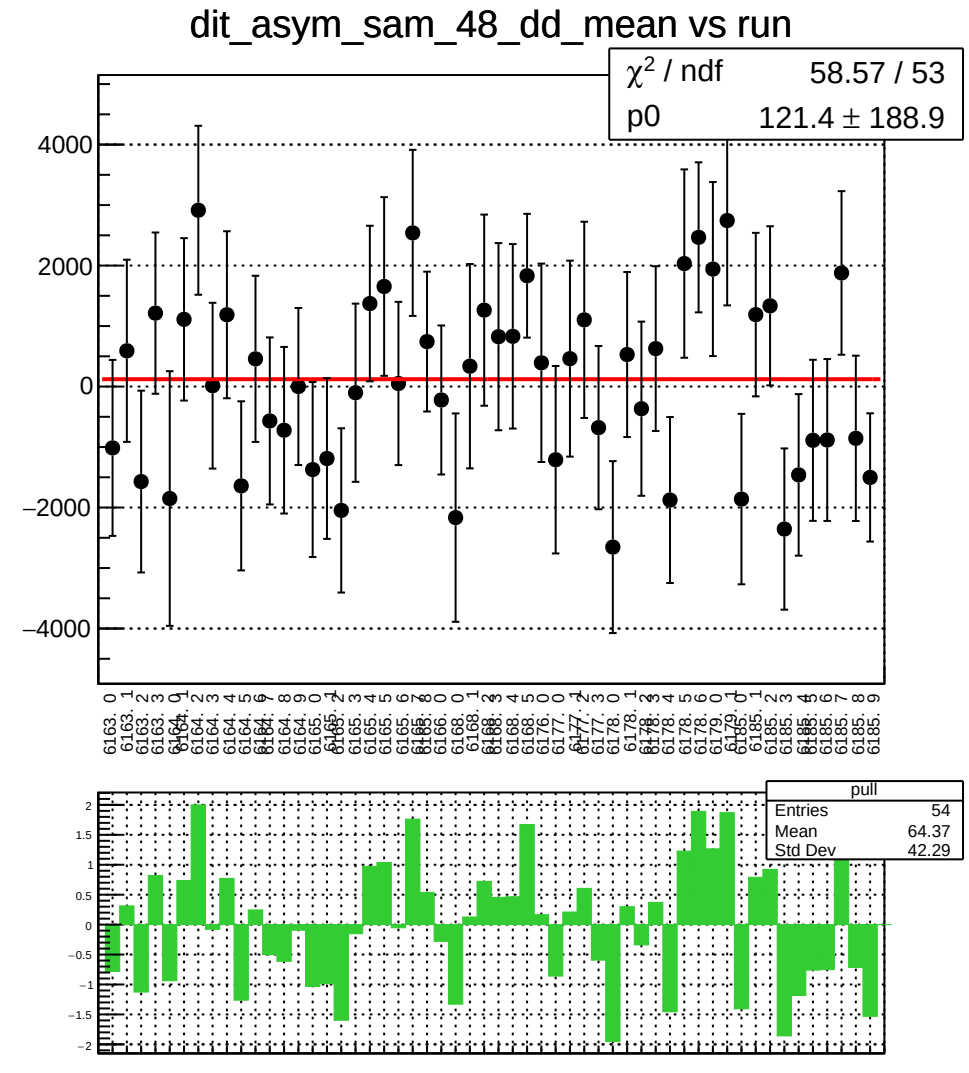

pull1D
Entries 54
Mean −0.01271
Std Dev 1.071
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

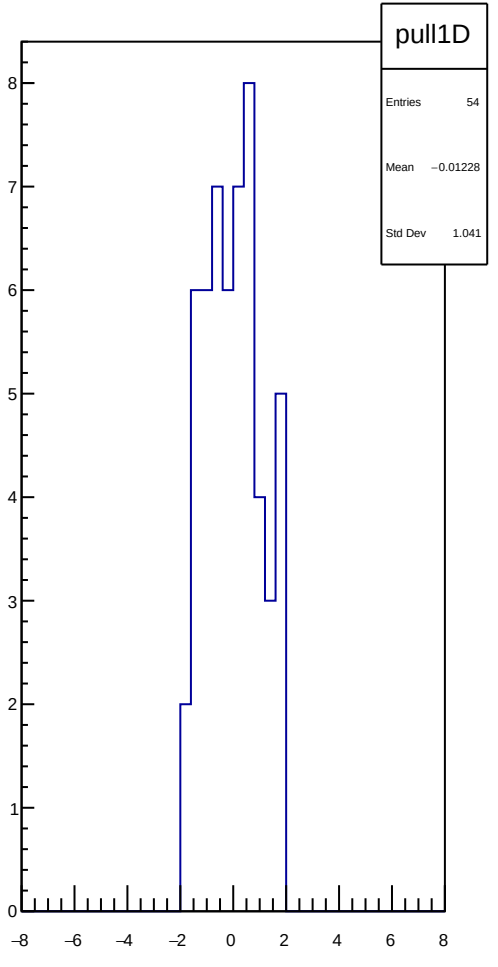

eigen_cor_asym_sam_48_dd_rms vs run
χ² / ndf 4323 / 53
p0 124.4 ± 0.1226
180
170
160
150
140
130
120
110
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

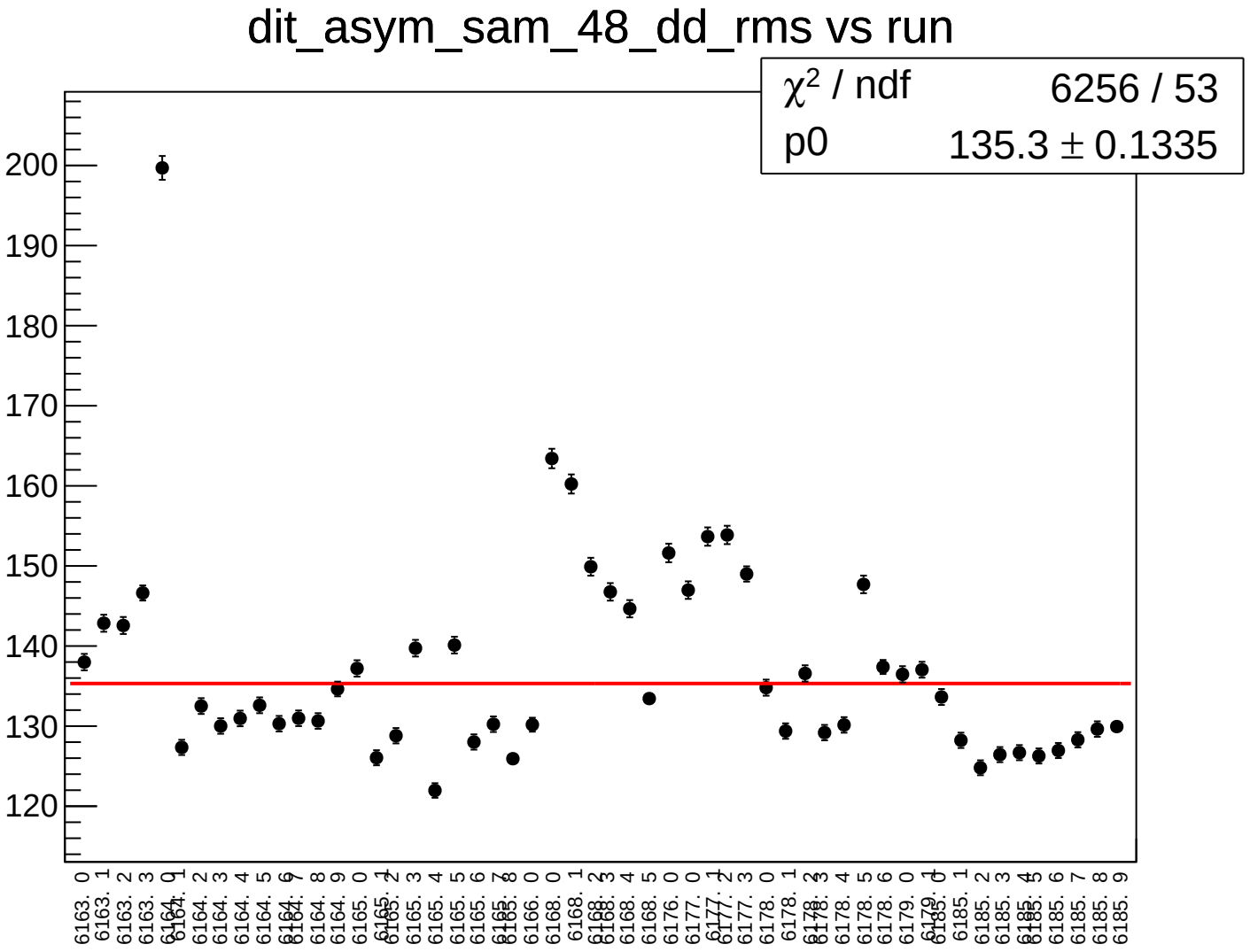

asym_sam_48_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 67.21 / 53
p0 4133 ± 2693
100
50
0
−50
−100
pull
Entries 54
Mean −2.696
Std Dev 0
2
1
0
−1
−2
−3

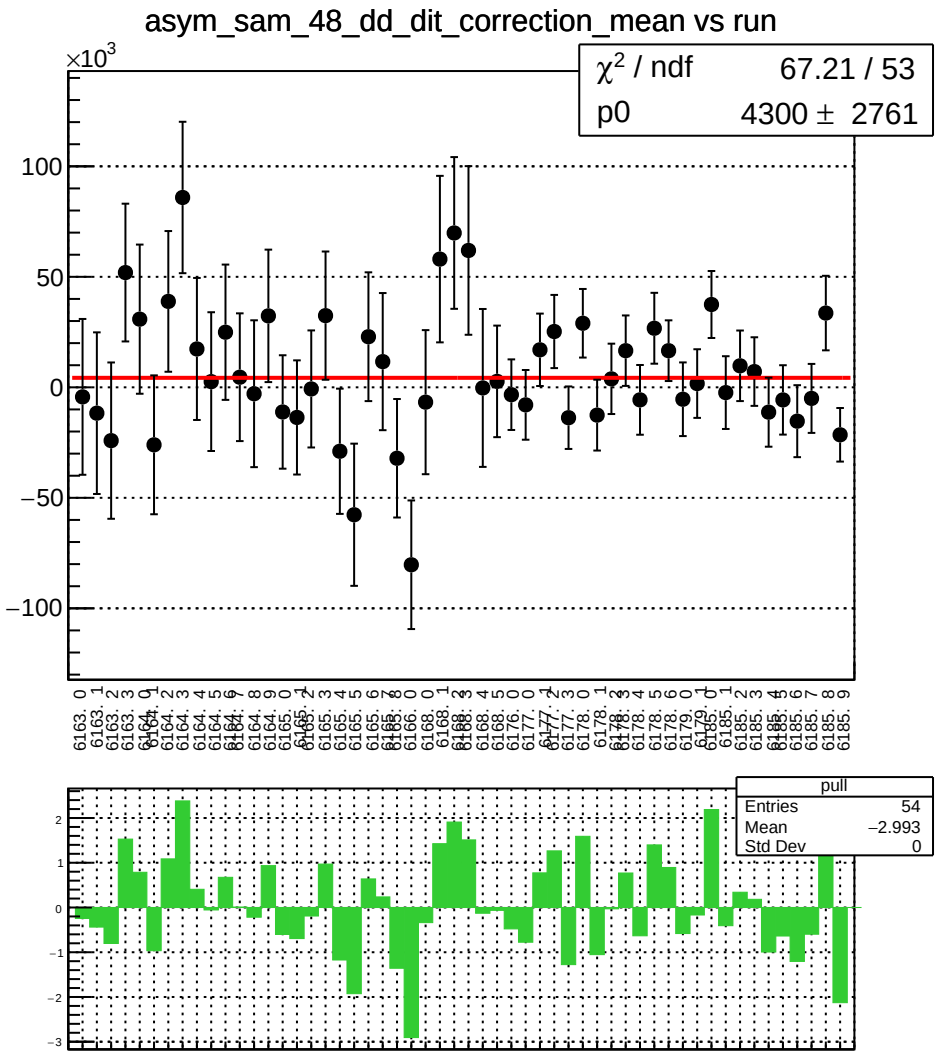

pull1D
Entries 54
Mean 0.04978
Std Dev 1.114
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

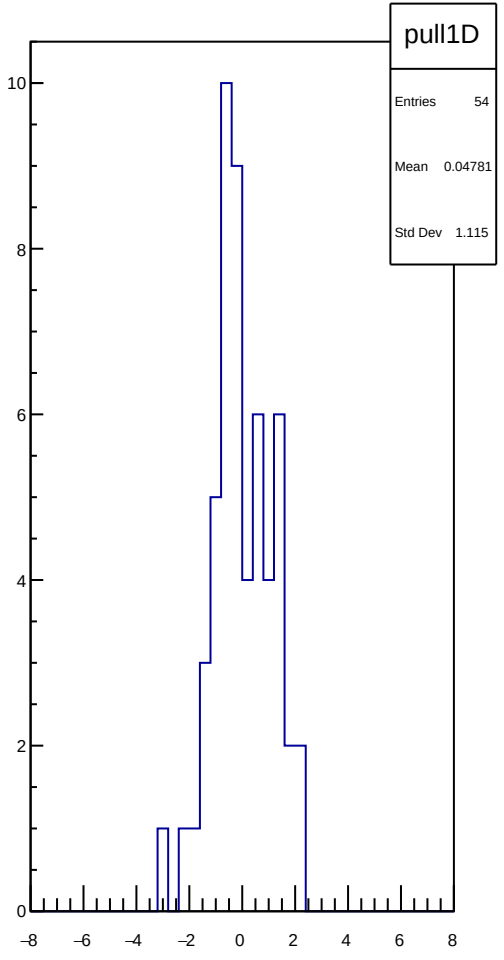

asym_sam_48_dd_eigen_cor_correction_rms vs run
χ² / ndf 1.188e+05 / 53
p0 1820 ± 1.904
3500
3000
2500
2000
1500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

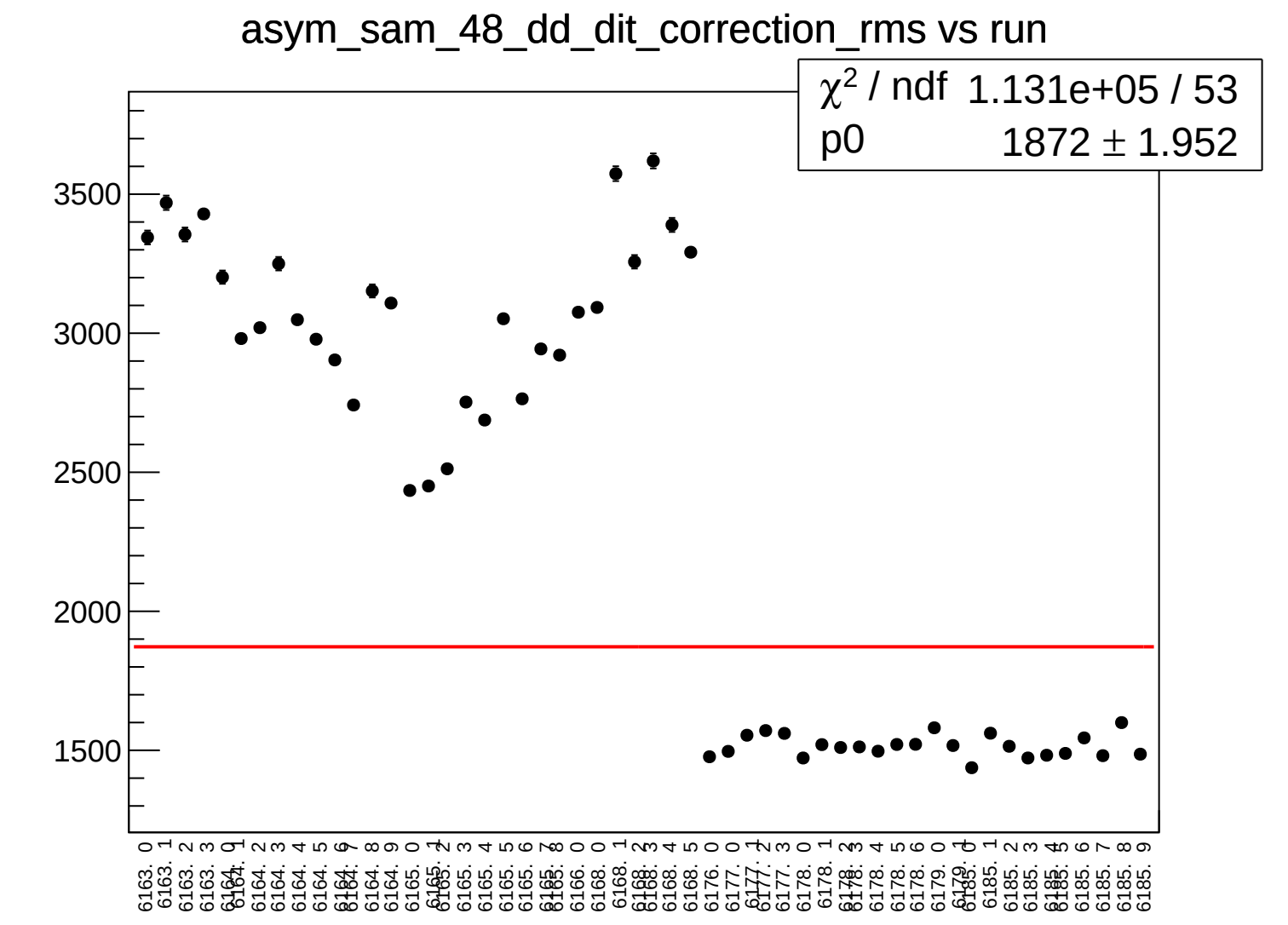

dit_asym_sam_48_dd_mean vs run
χ² / ndf 58.57 / 53
p0 121.4 ± 188.9
4000
2000
0
−2000
−4000
pull
Entries 54
Mean 64.37
Std Dev 42.29
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

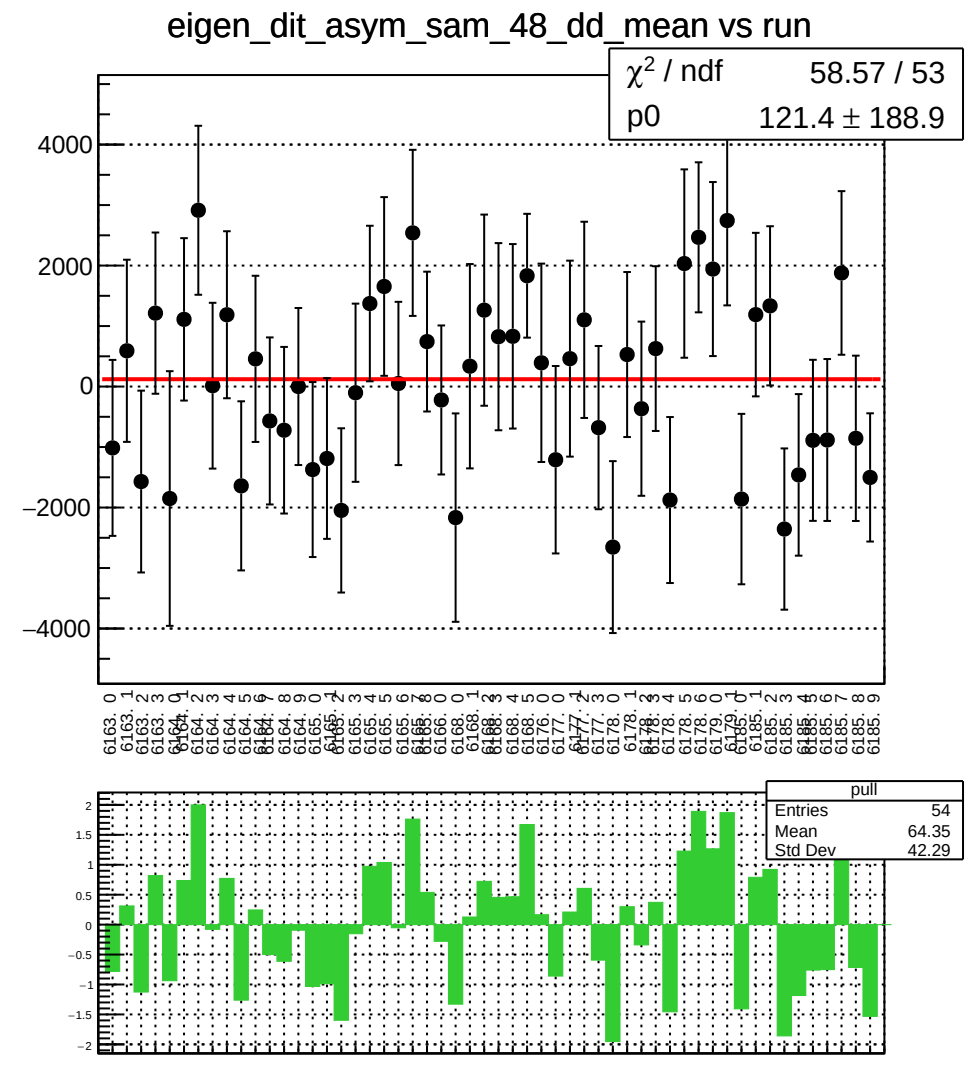

pull1D
Entries 54
Mean −0.01228
Std Dev 1.041
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

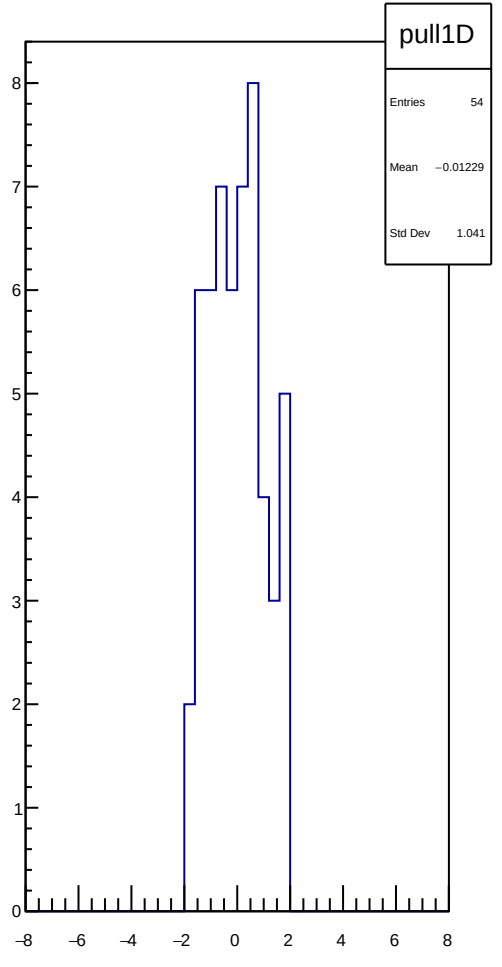

dit_asym_sam_48_dd_rms vs run
χ² / ndf 6256 / 53
p0 135.3 ± 0.1335
200
190
180
170
160
150
140
130
120
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

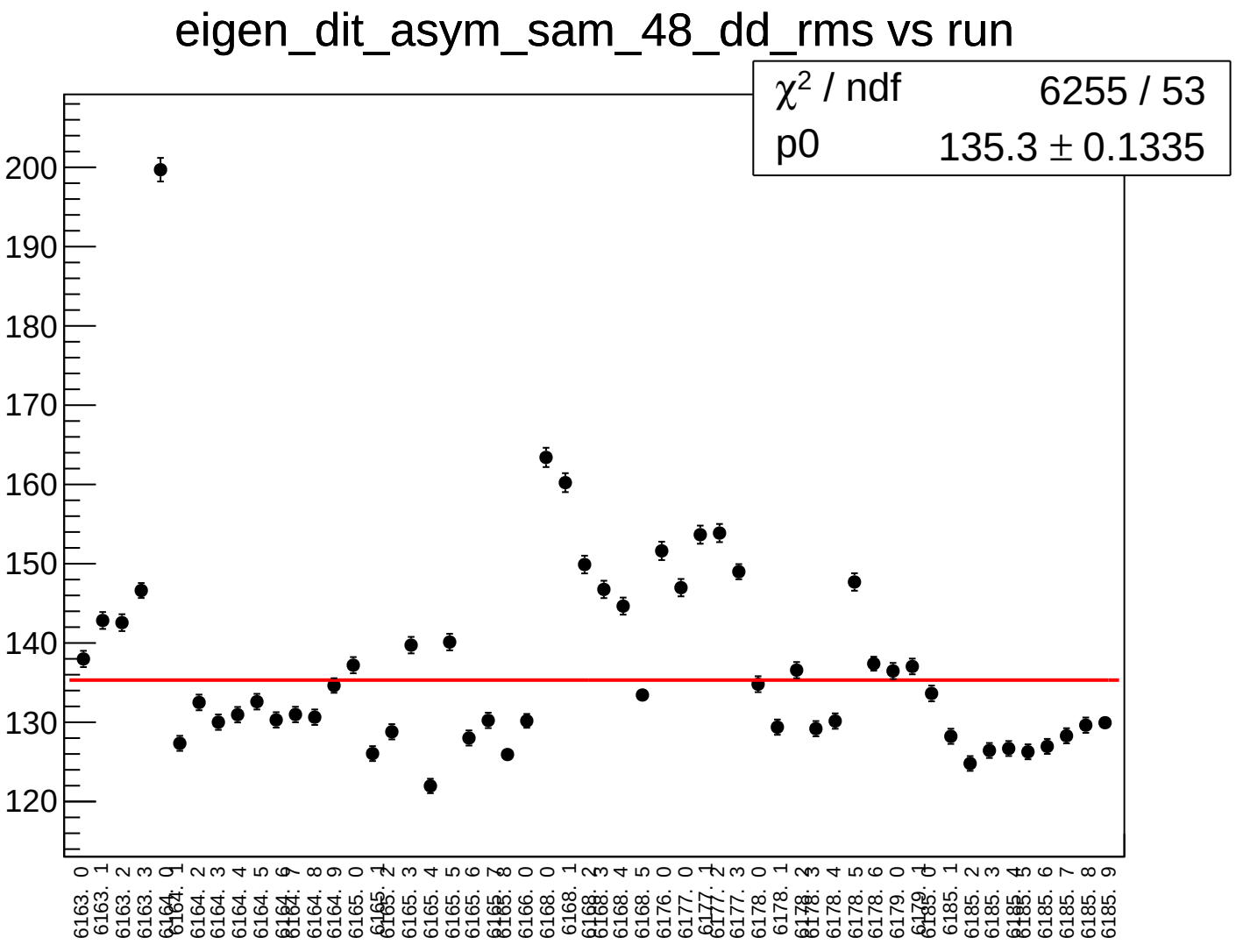

asym_sam_48_dd_dit_correction_mean vs run
×10^3
χ^2 / ndf 67.21 / 53
p0 4300 ± 2761
100
50
0
−50
−100
pull
Entries 54
Mean −2.993
Std Dev 0
2
1
0
−1
−2
−3

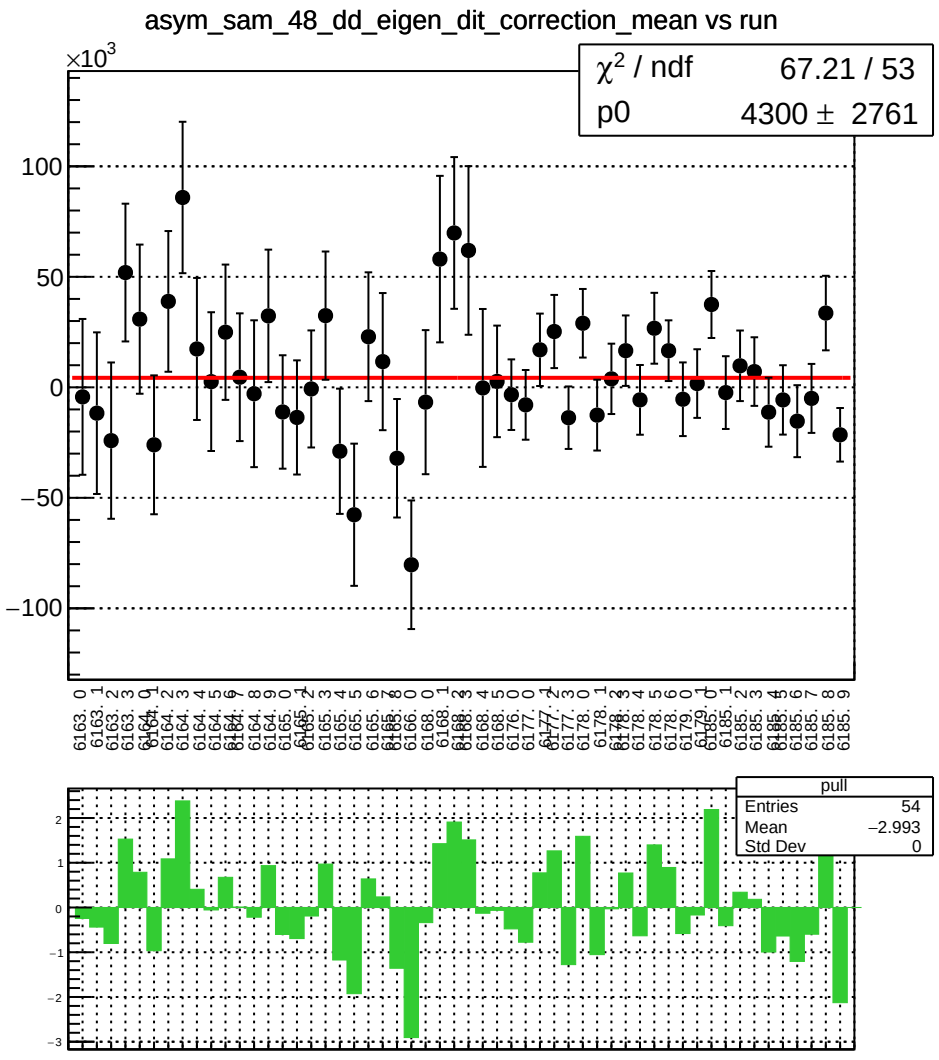

pull1D
Entries 54
Mean 0.04781
Std Dev 1.115
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

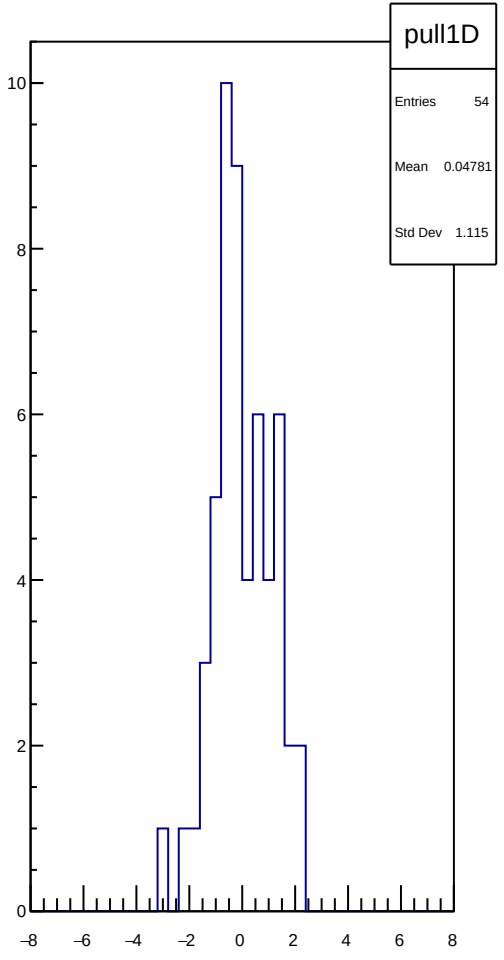

asym_sam_48_dd_dit_correction_rms vs run
χ² / ndf 1.131e+05 / 53
p0 1872 ± 1.952
3500
3000
2500
2000
1500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

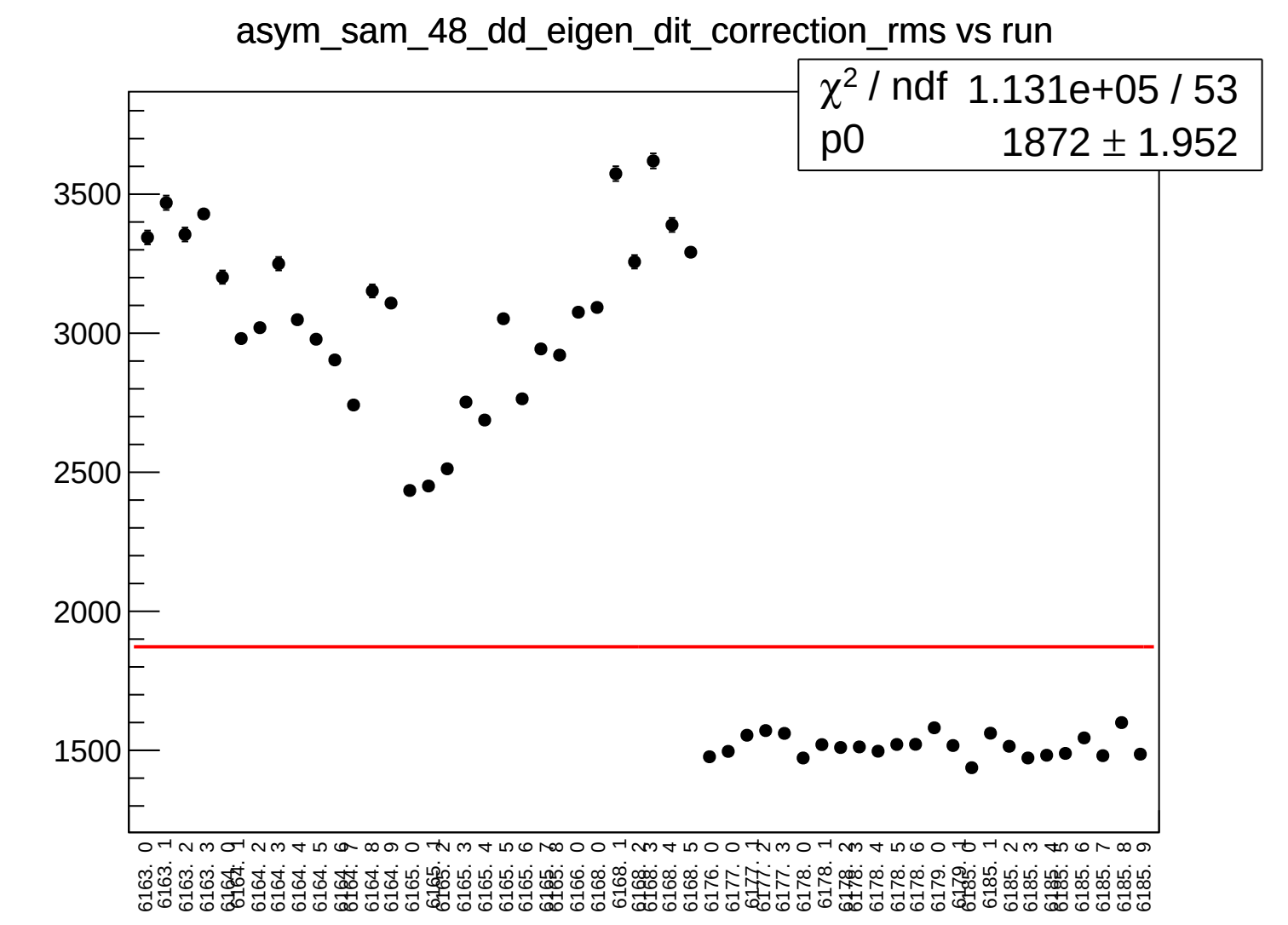

eigen_dit_asym_sam_48_dd_mean vs run
χ² / ndf 58.57 / 53
p0 121.4 ± 188.9
4000
2000
0
−2000
−4000
pull
Entries 54
Mean 64.35
Std Dev 42.29
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

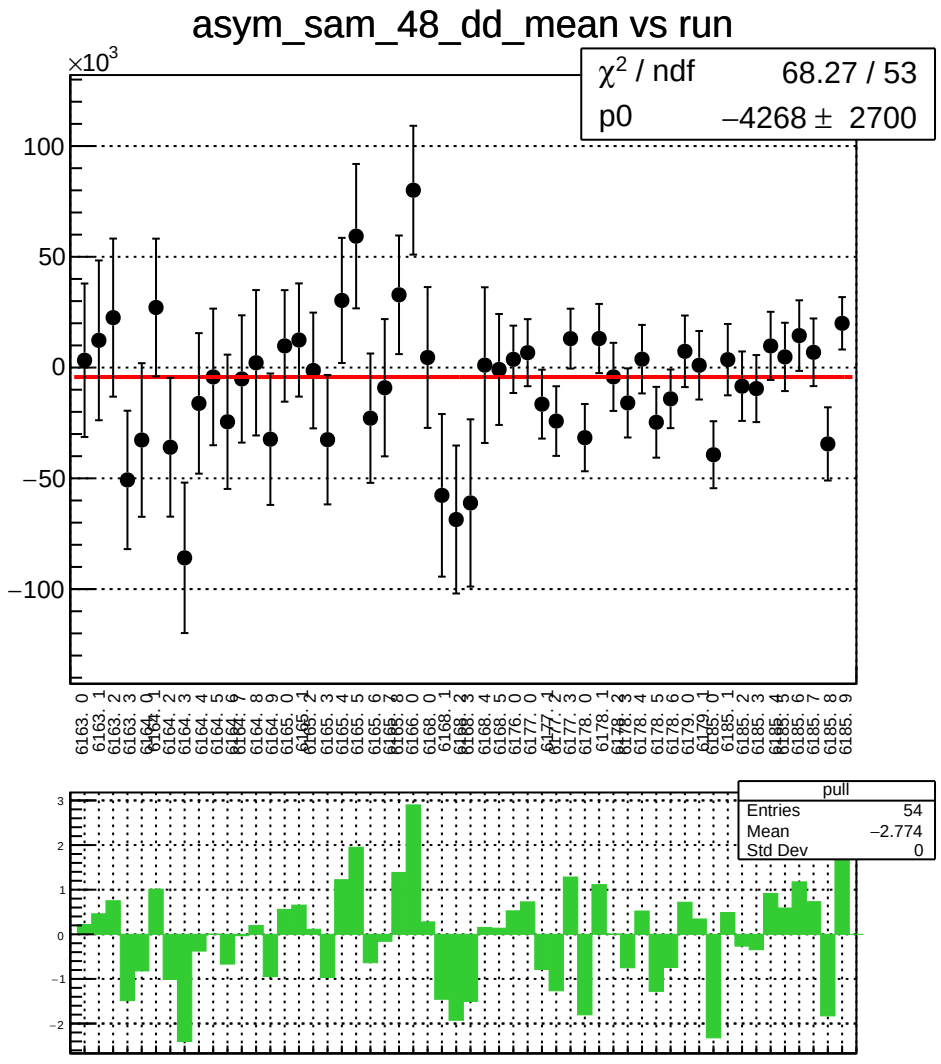

pull1D
Entries 54
Mean −0.01229
Std Dev 1.041
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

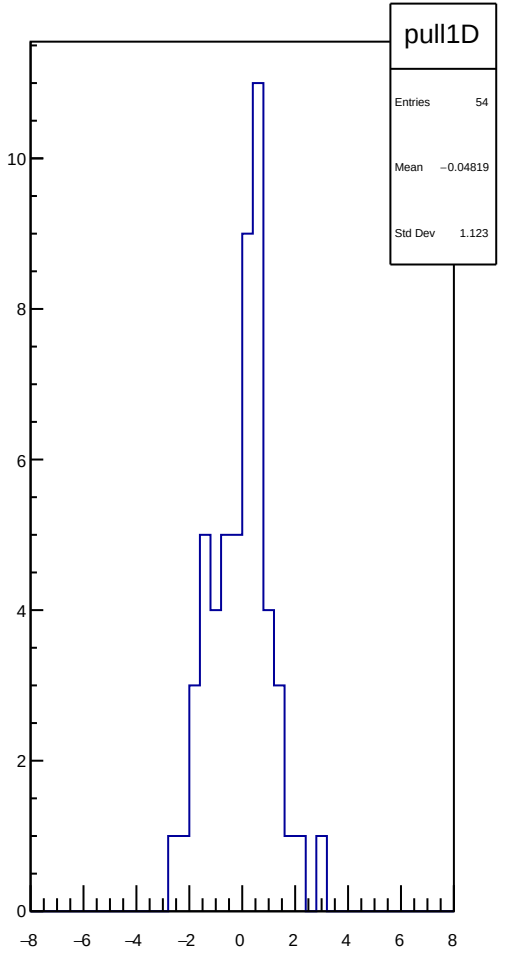

eigen_dit_asym_sam_48_dd_rms vs run
χ² / ndf 6255 / 53
p0 135.3 ± 0.1335
200
190
180
170
160
150
140
130
120
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

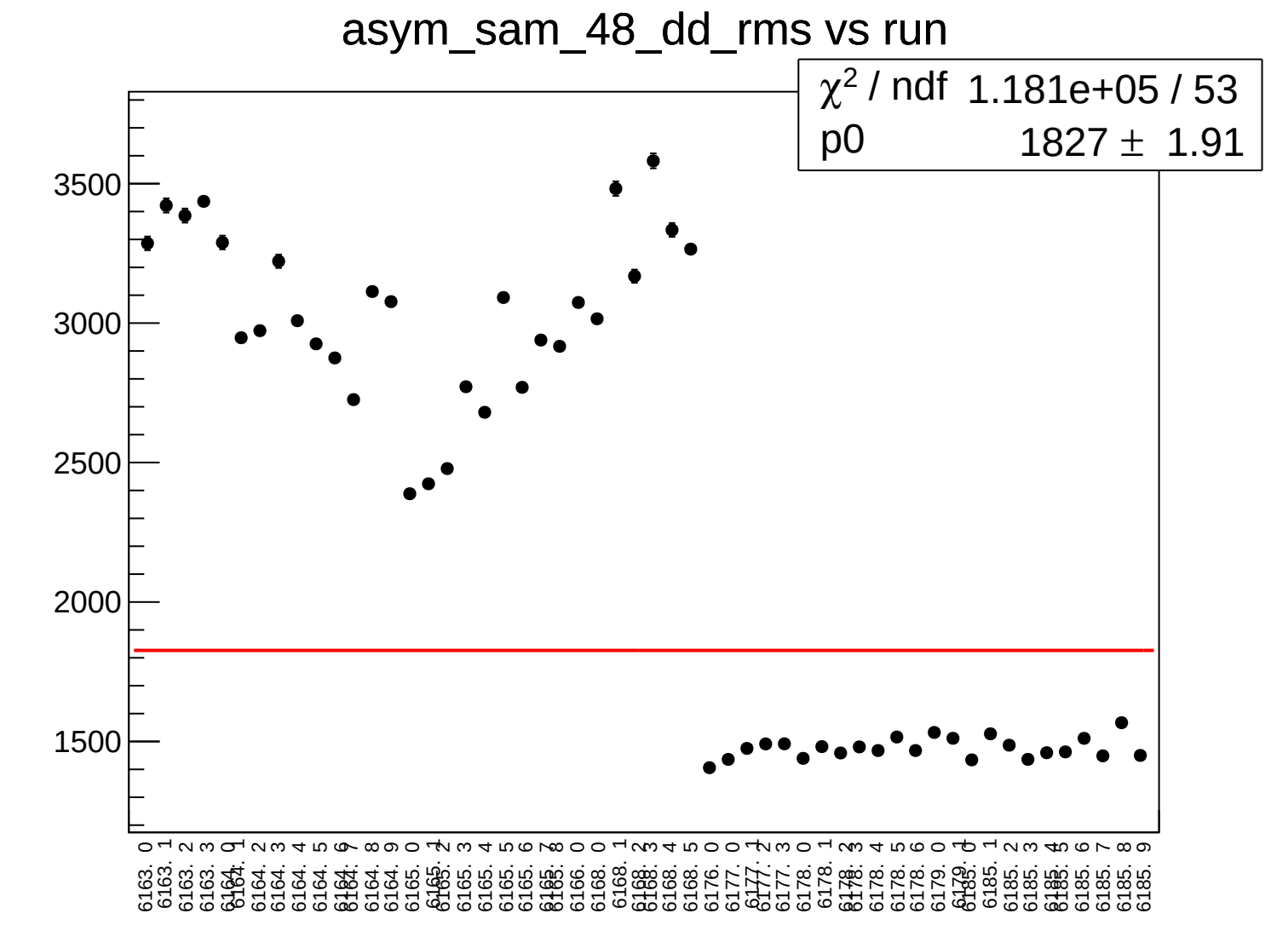

asym_sam_48_dd_eigen_dit_correction_mean vs run
χ² / ndf 67.21 / 53
p0 4300 ± 2761
×10³
pull
Entries 54
Mean −2.993
Std Dev 0

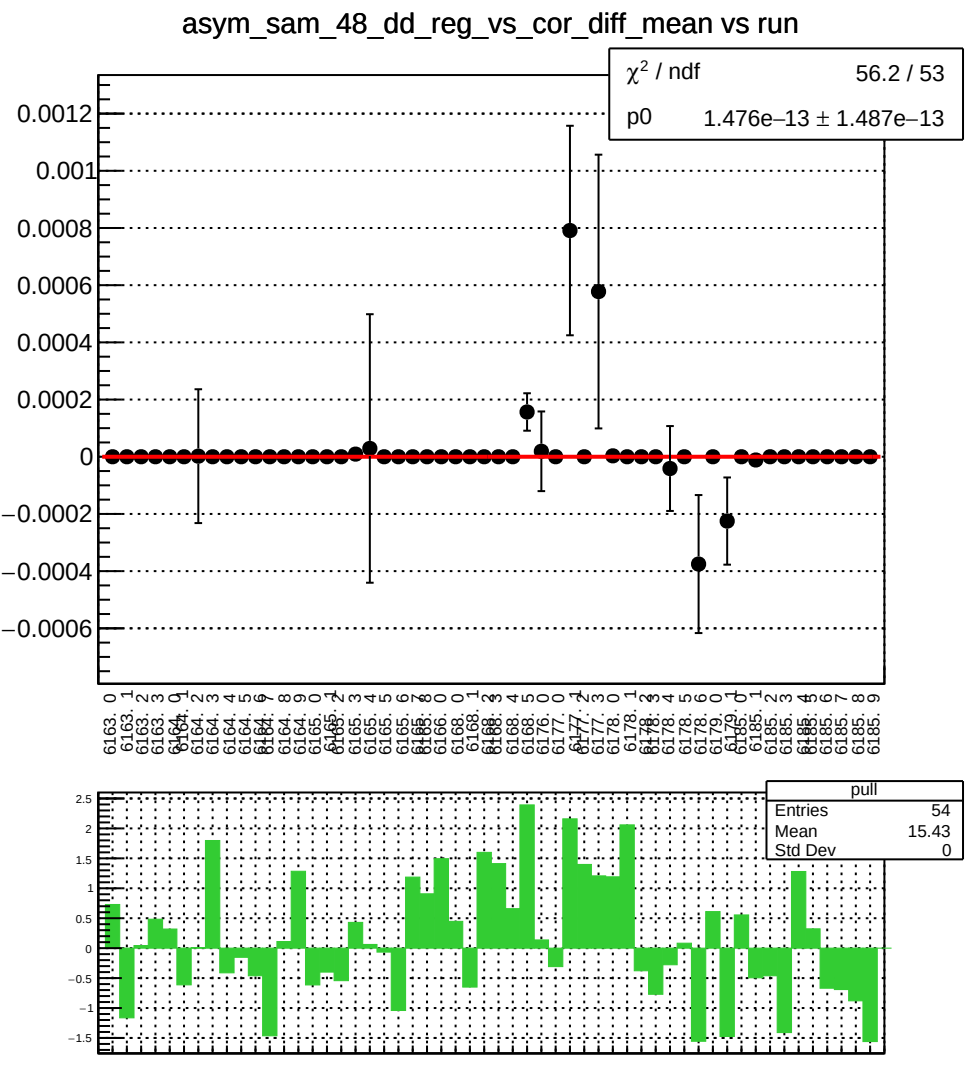

pull1D
Entries 54
Mean 0.04781
Std Dev 1.115

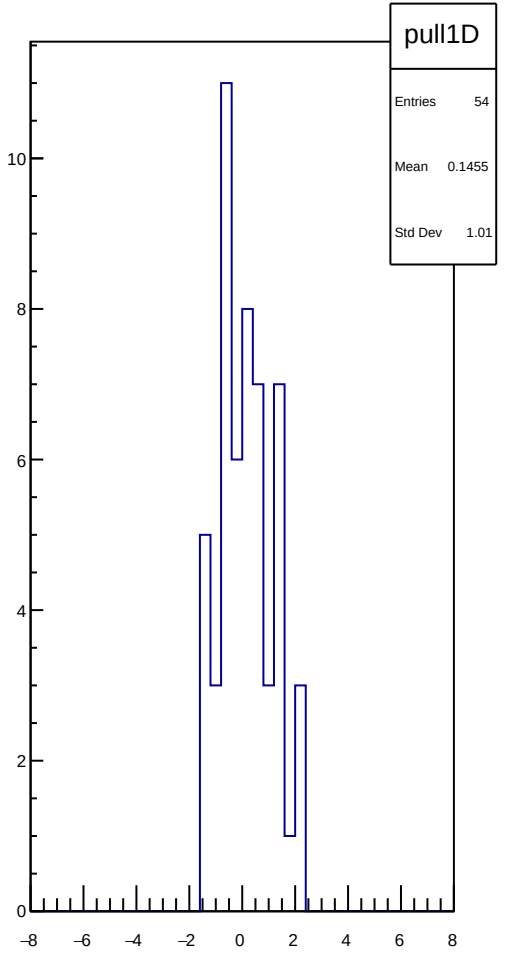

asym_sam_48_dd_eigen_dit_correction_rms vs run
χ² / ndf 1.131e+05 / 53
p0 1872 ± 1.952
3500
3000
2500
2000
1500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

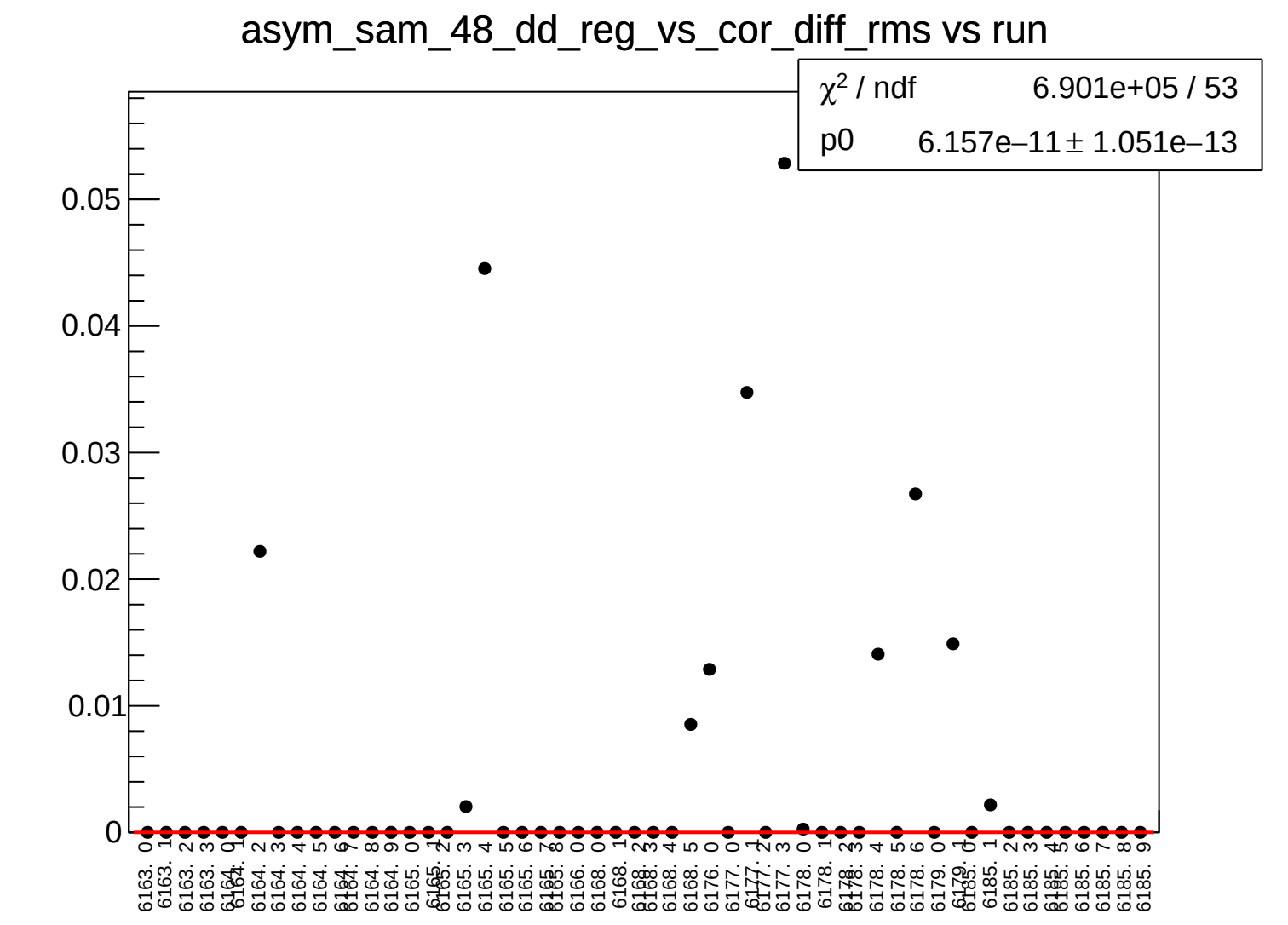

asym_sam_48_dd_mean vs run
×10^3
χ² / ndf 68.27 / 53
p0 −4268 ± 2700
100
50
0
−50
−100
pull
Entries 54
Mean −2.774
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 54
Mean −0.04819
Std Dev 1.123
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_48_dd_rms vs run
χ² / ndf 1.181e+05 / 53
p0 1827 ± 1.91
3500
3000
2500
2000
1500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


asym_sam_48_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 56.2 / 53
p0 1.476e−13 ± 1.487e−13
0.0012
0.001
0.0008
0.0006
0.0004
0.0002
0
−0.0002
−0.0004
−0.0006
pull
Entries 54
Mean 15.43
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 54
Mean 0.1455
Std Dev 1.01
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_48_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.901e+05 / 53
p0 6.157e−11 ± 1.051e−13
0.05
0.04
0.03
0.02
0.01
0
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
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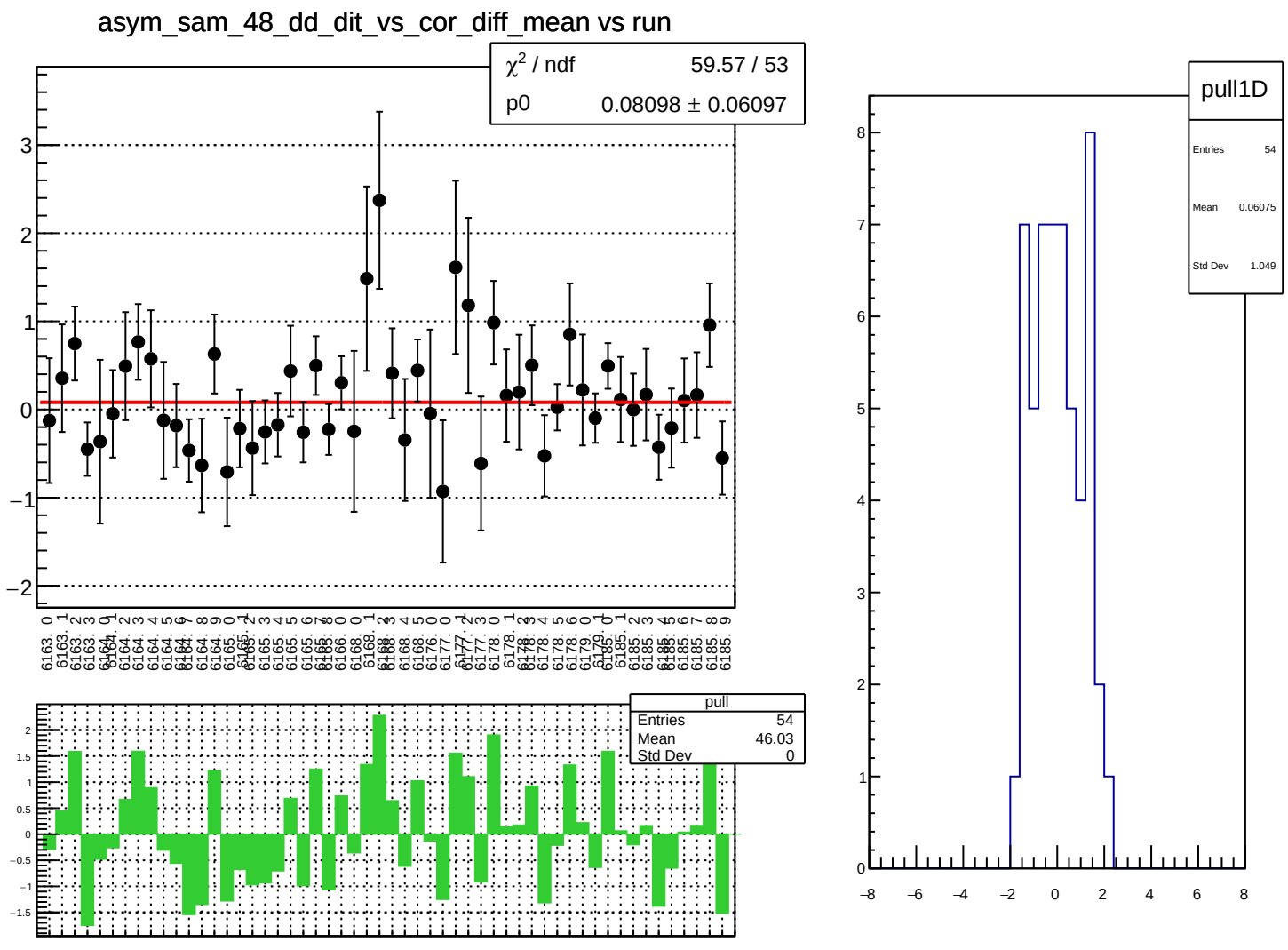
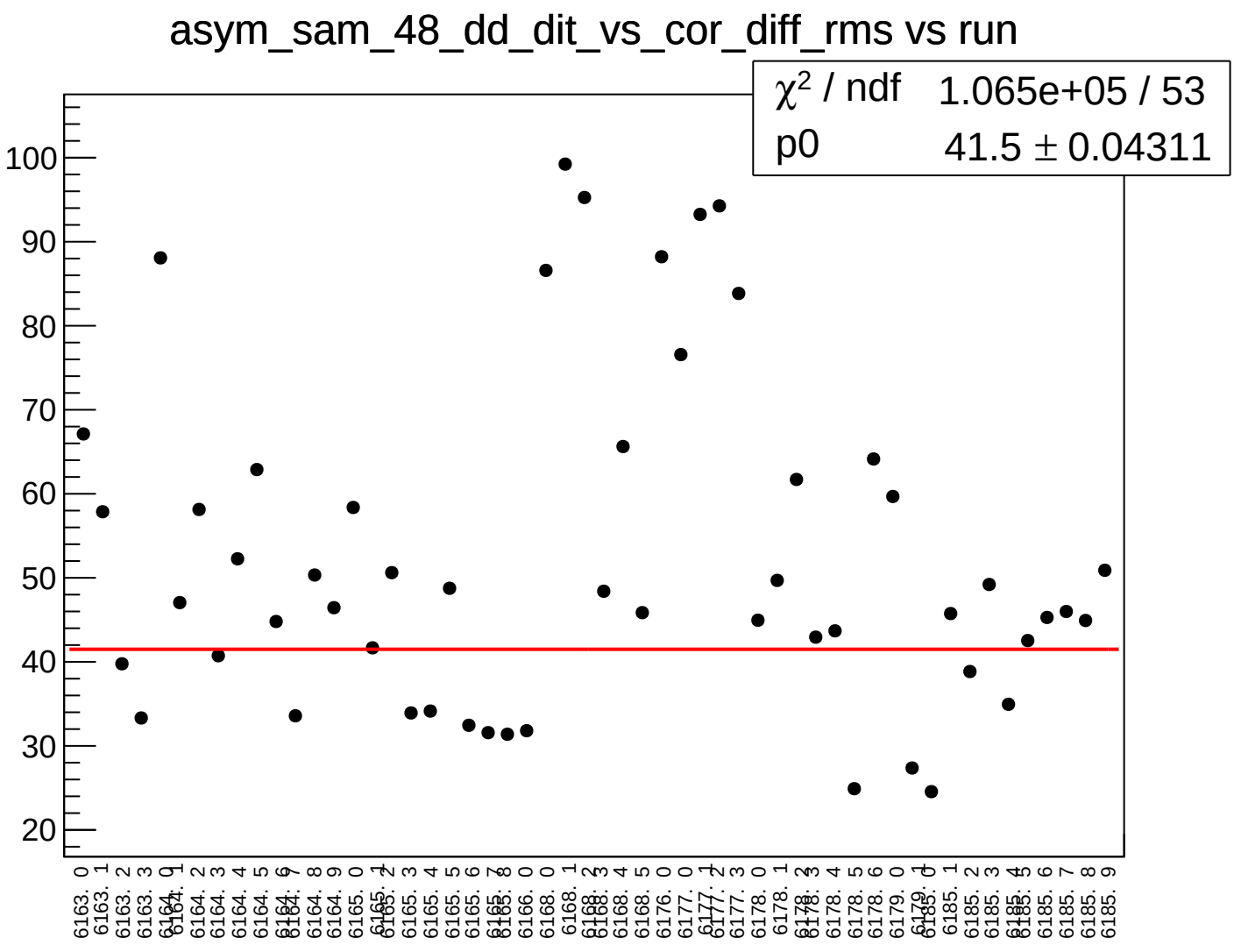
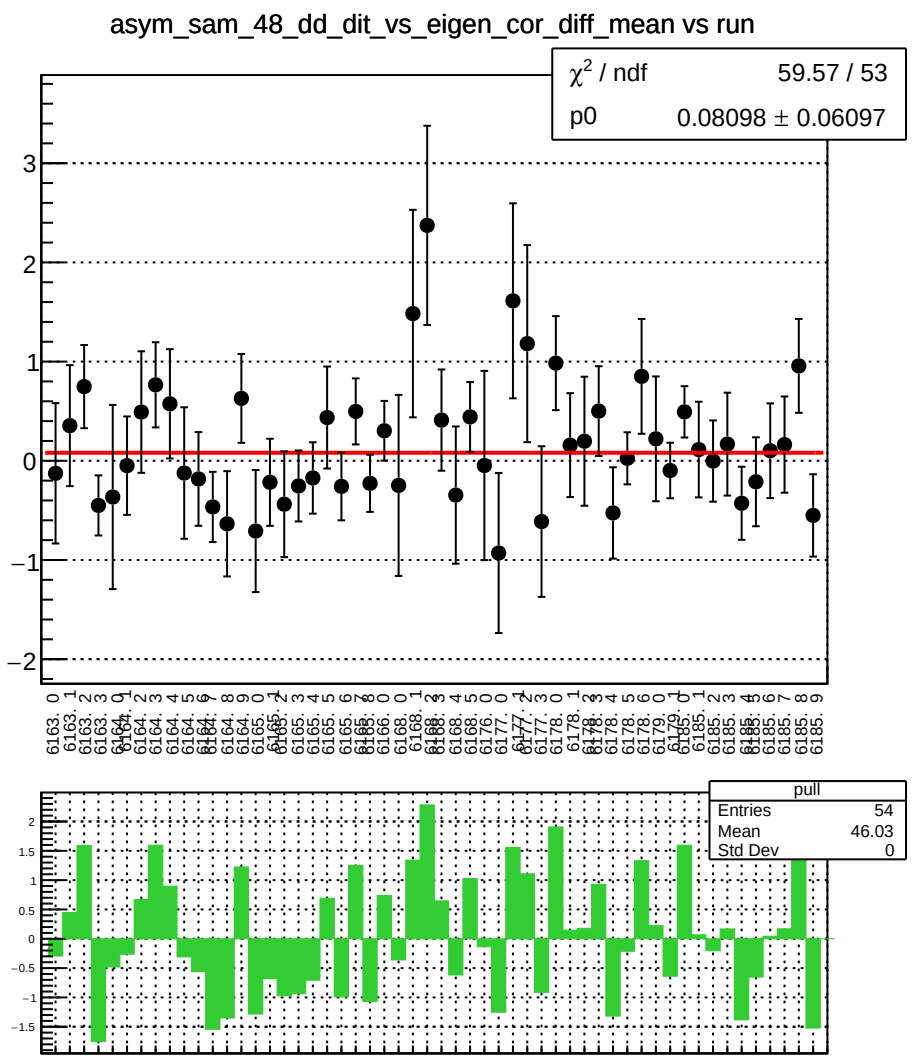
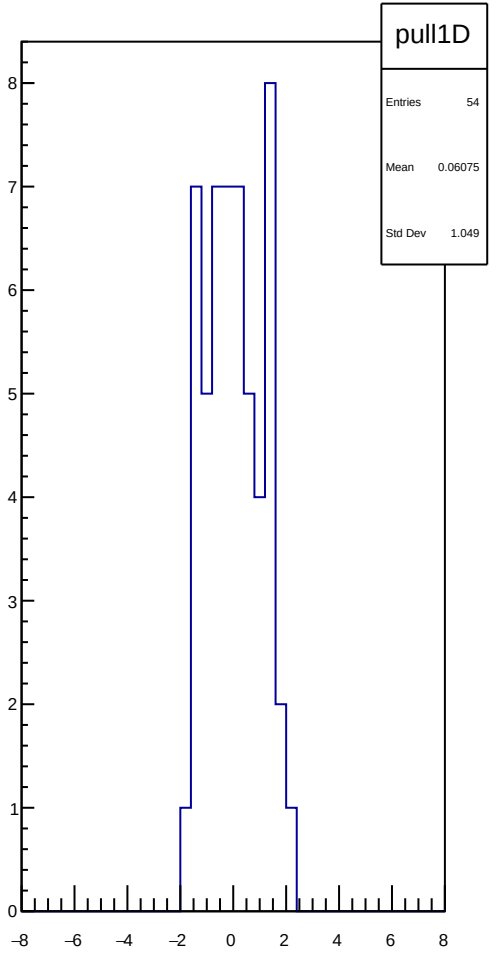
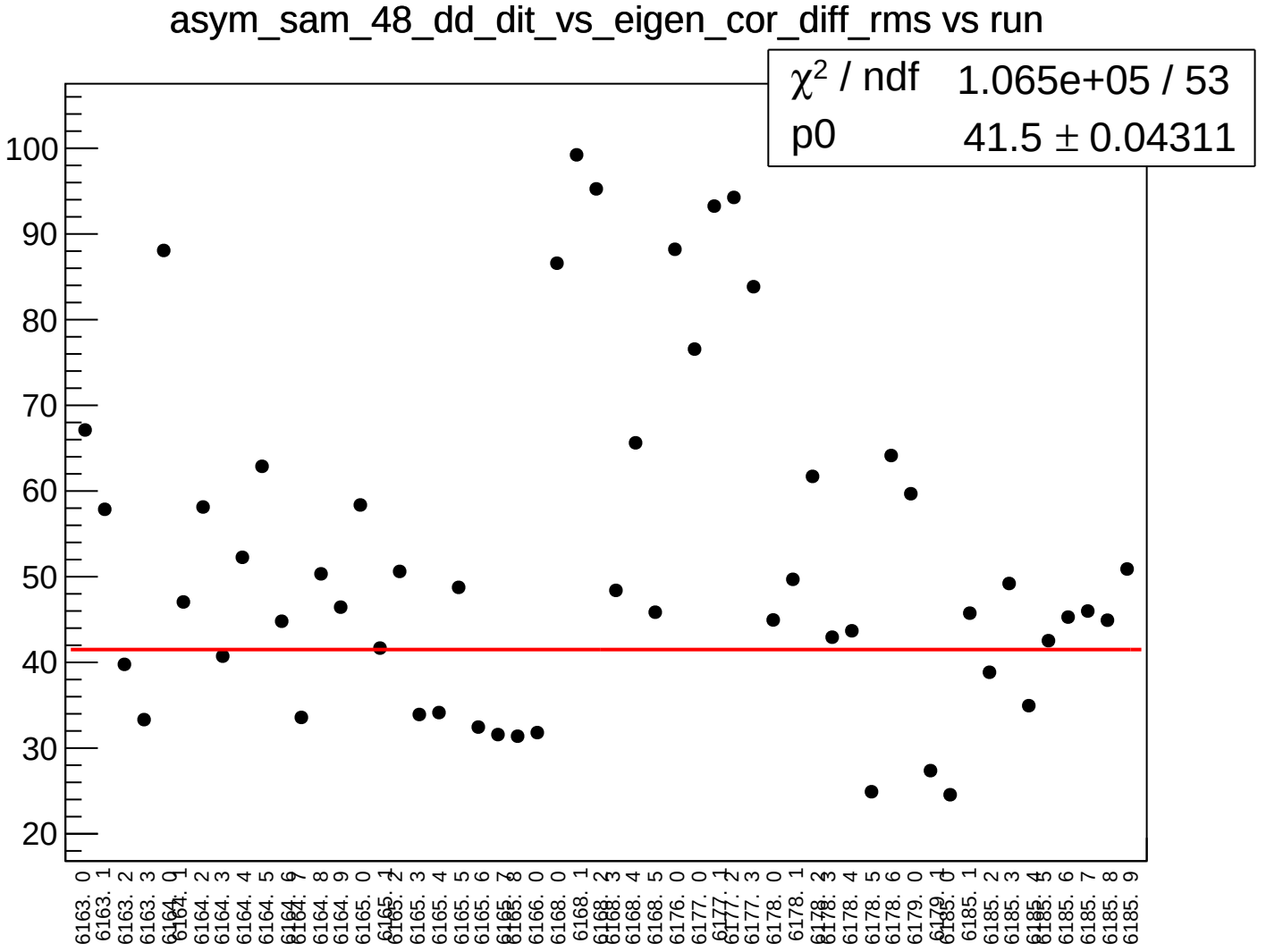
6185. 8
6185. 9

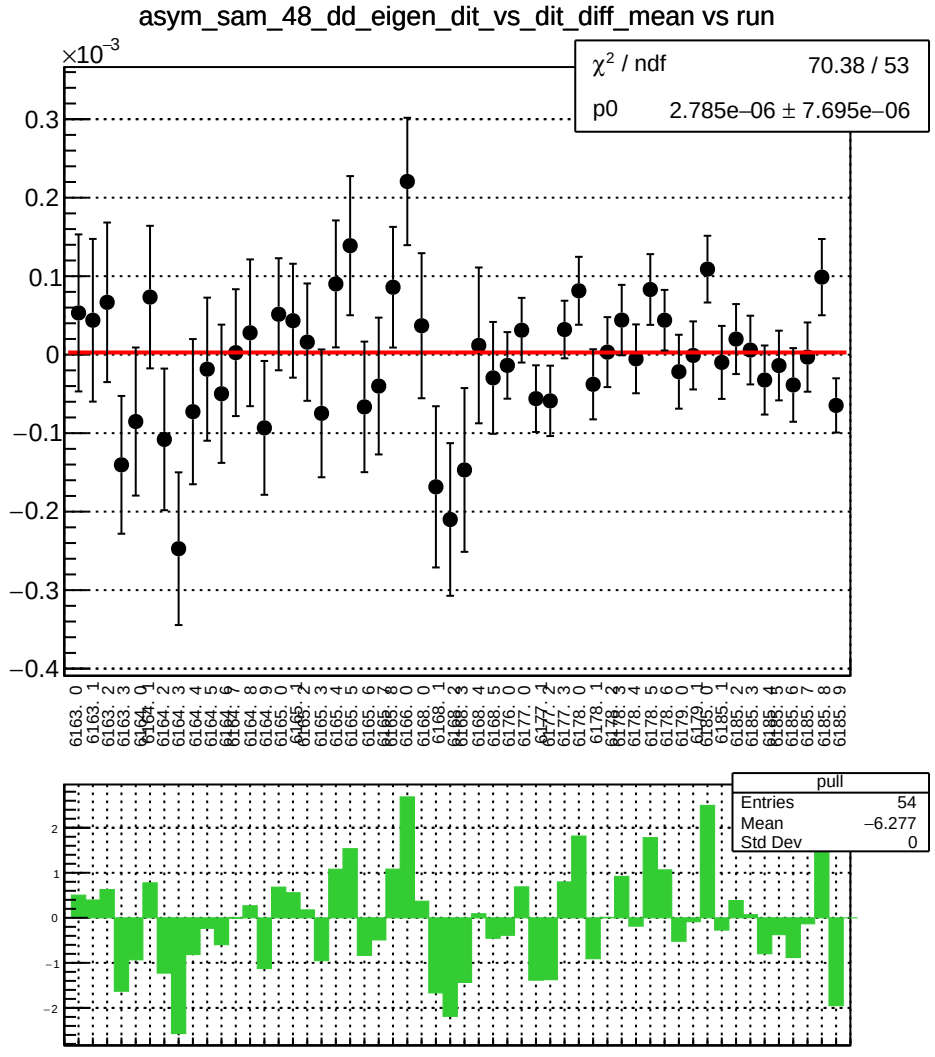

asym_sam_48_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 59.57 / 53
p0 0.08098 ± 0.06097
pull
Entries 54
Mean 46.03
Std Dev 0
pull1D
Entries 54
Mean 0.06075
Std Dev 1.049

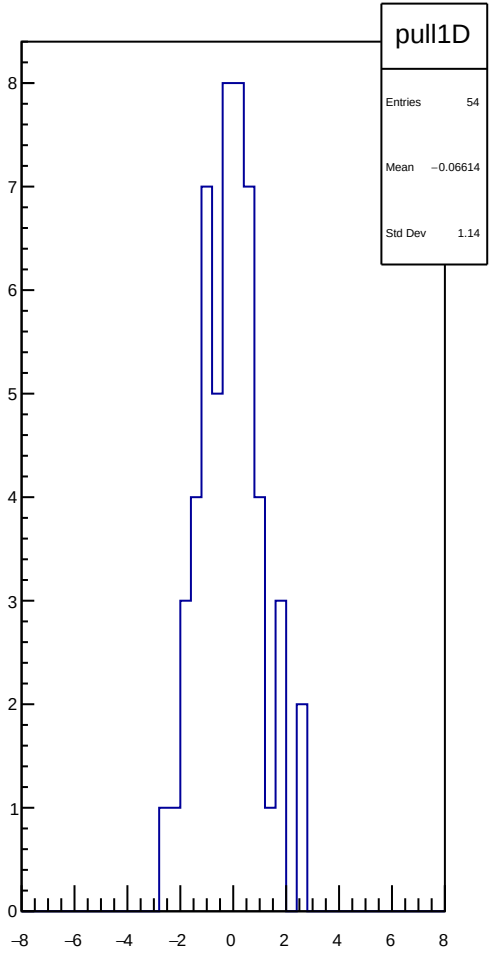

asym_sam_48_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.065e+05 / 53
p0 41.5 ± 0.04311
100
90
80
70
60
50
40
30
20
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

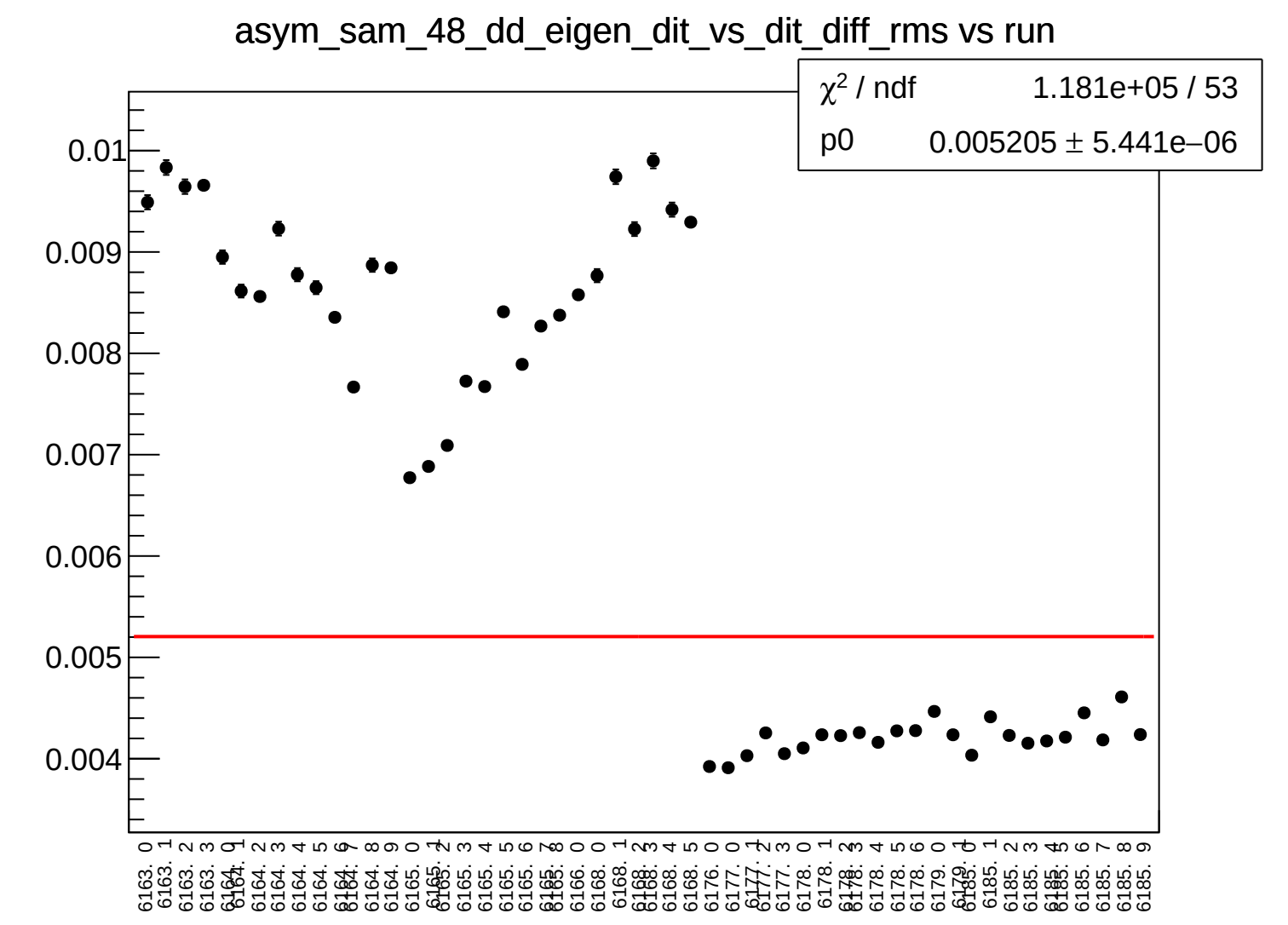

asym_sam_48_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 59.57 / 53
p0 0.08098 ± 0.06097
pull
Entries 54
Mean 46.03
Std Dev 0

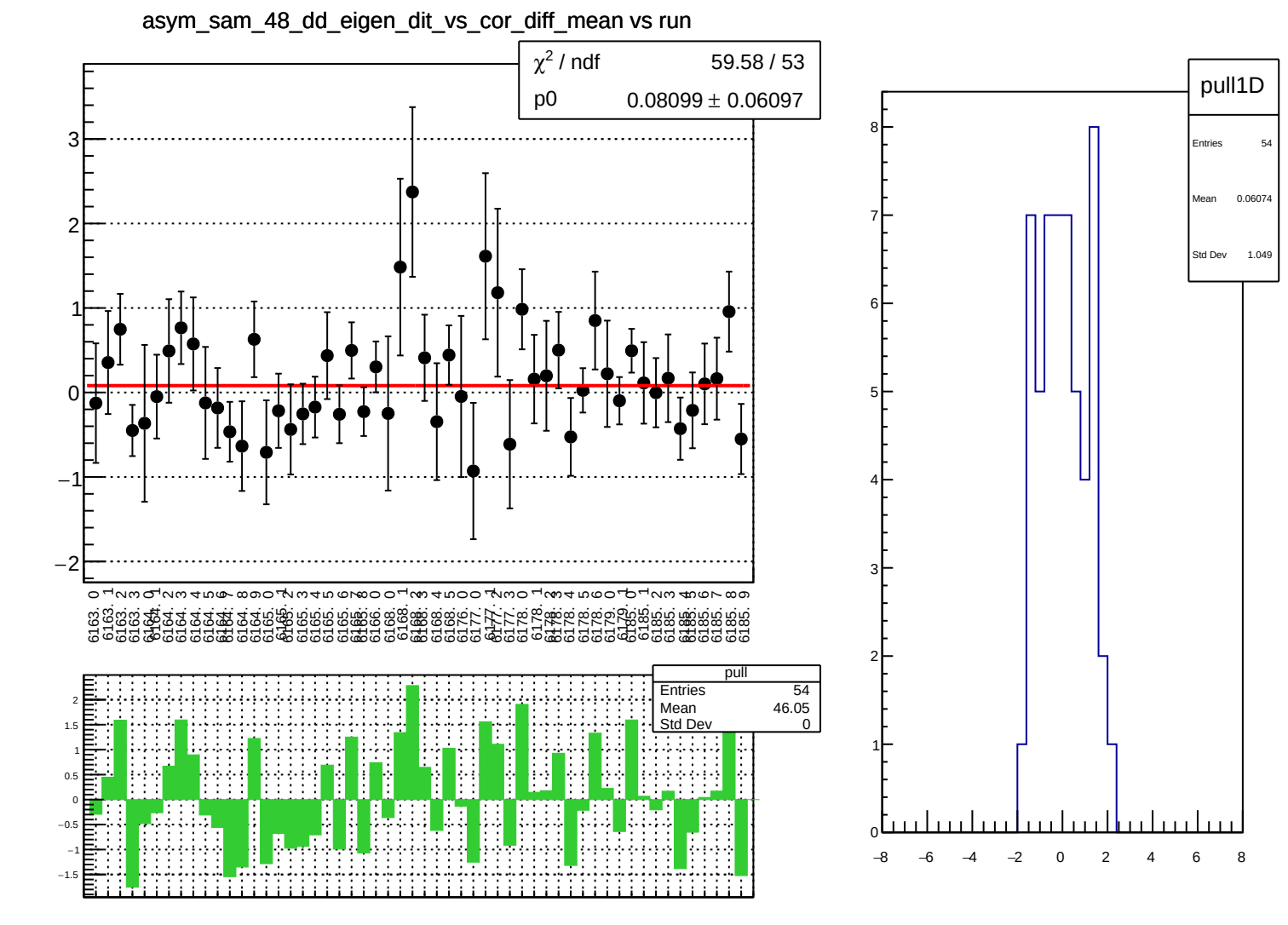

pull1D
Entries 54
Mean 0.06075
Std Dev 1.049

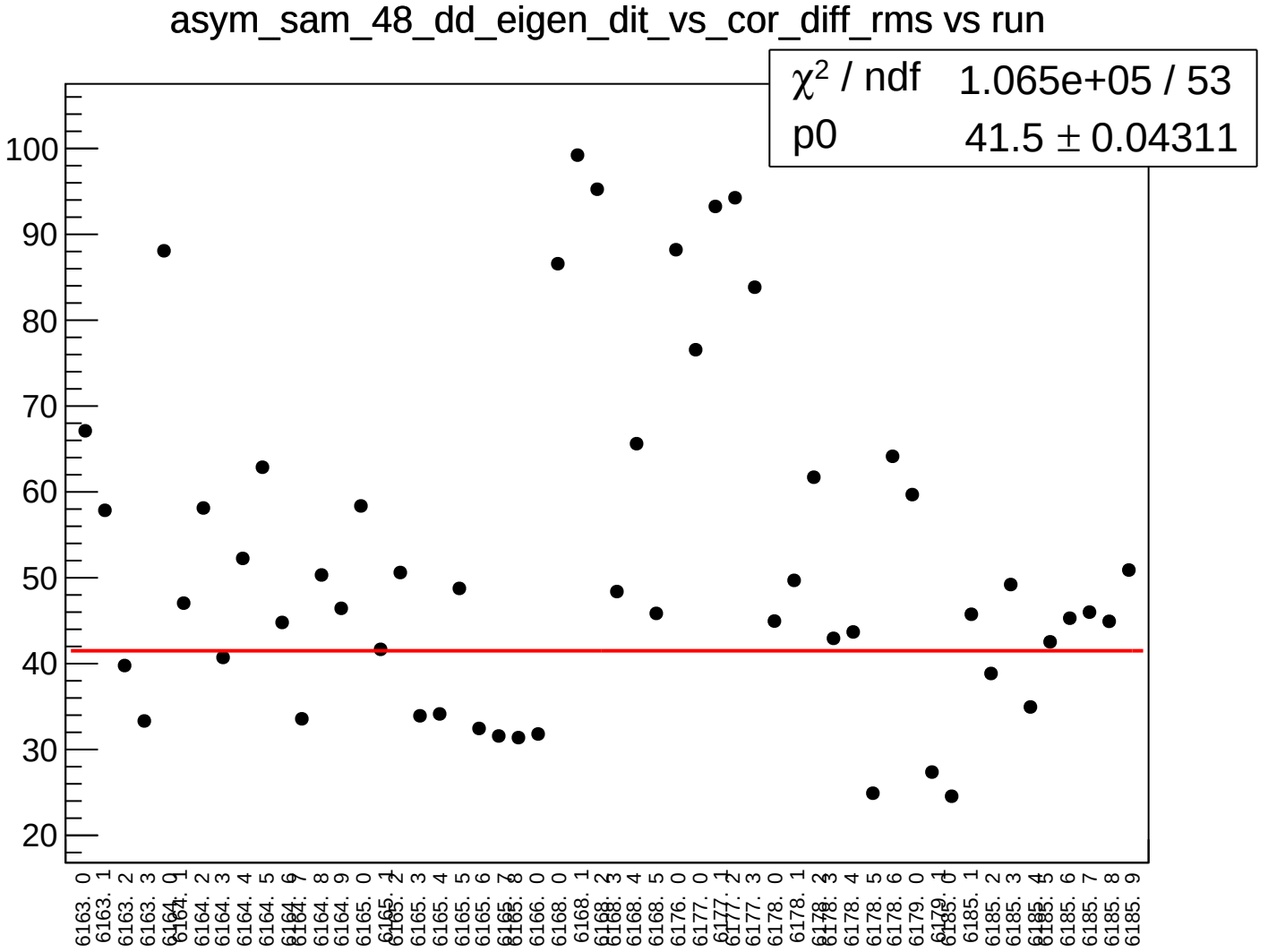

asym_sam_48_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.065e+05 / 53
p0 41.5 ± 0.04311
100
90
80
70
60
50
40
30
20
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

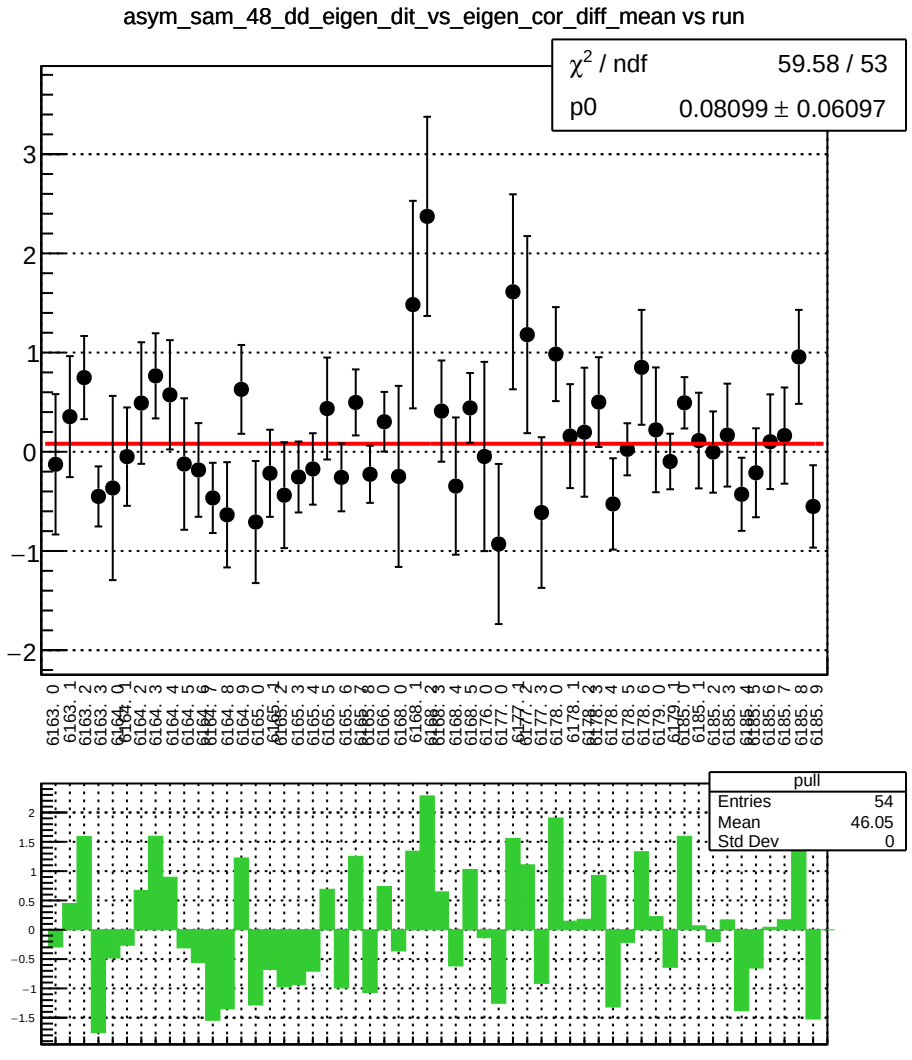

asym_sam_48_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 70.38 / 53
p0 2.785e−06 ± 7.695e−06
pull
Entries 54
Mean −6.277
Std Dev 0

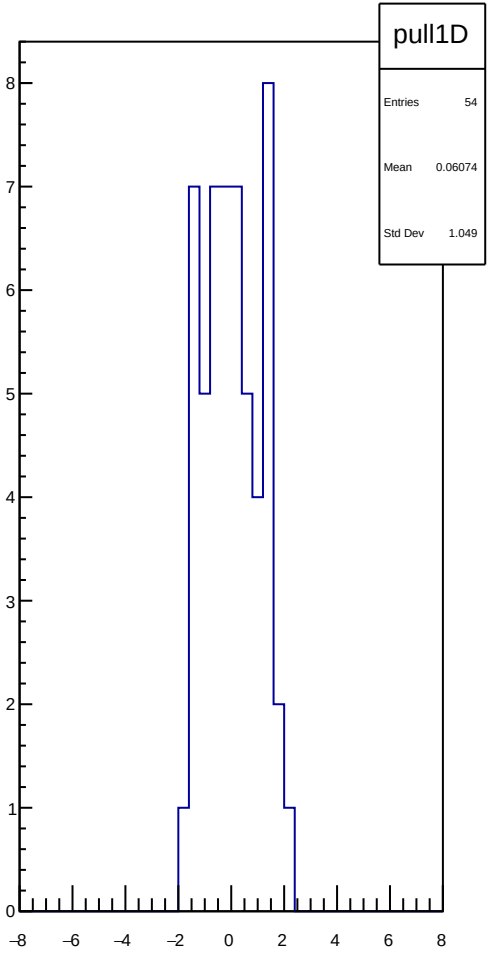

pull1D
Entries 54
Mean −0.06614
Std Dev 1.14

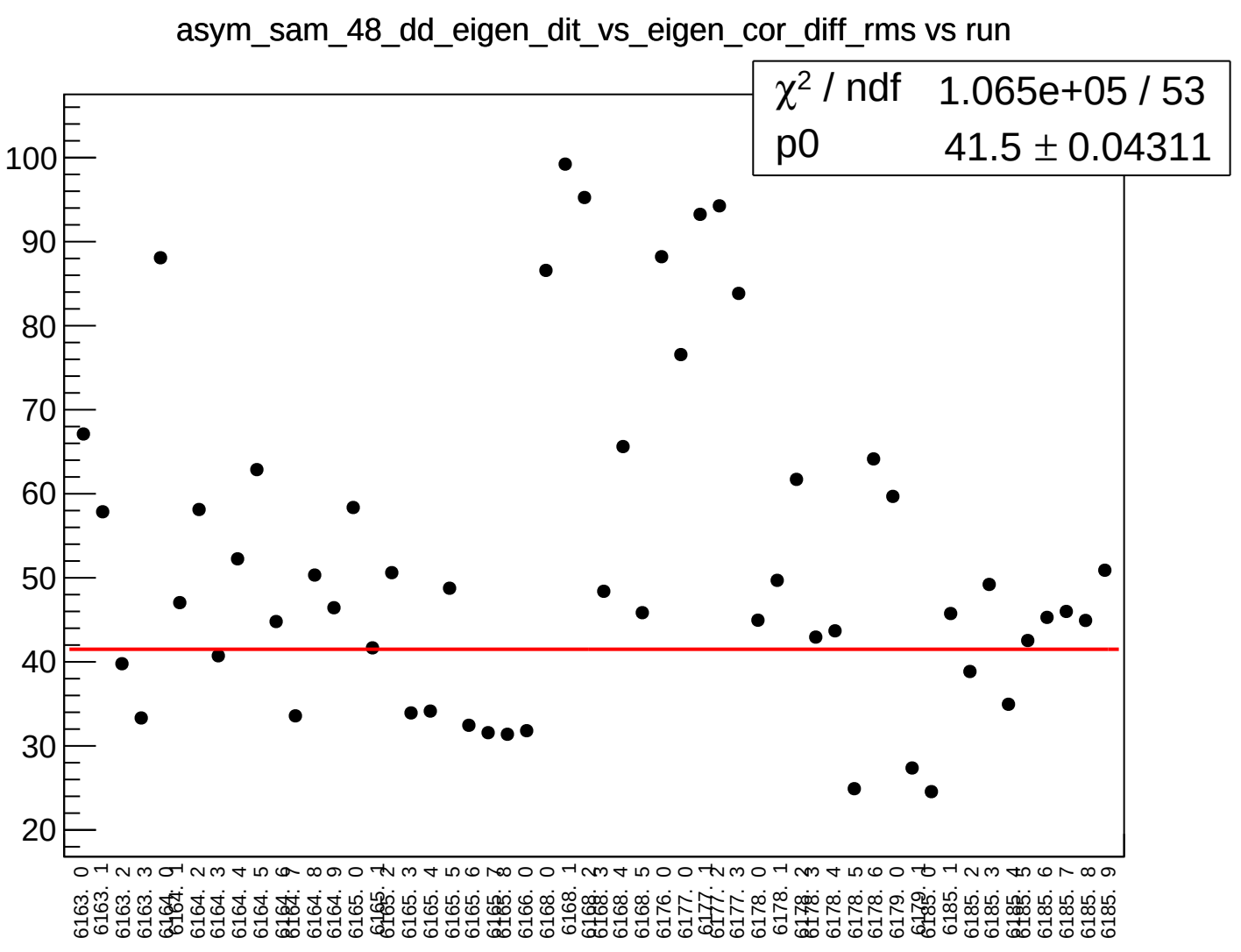

asym_sam_48_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.181e+05 / 53
p0 0.005205 ± 5.441e−06
0.01
0.009
0.008
0.007
0.006
0.005
0.004
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

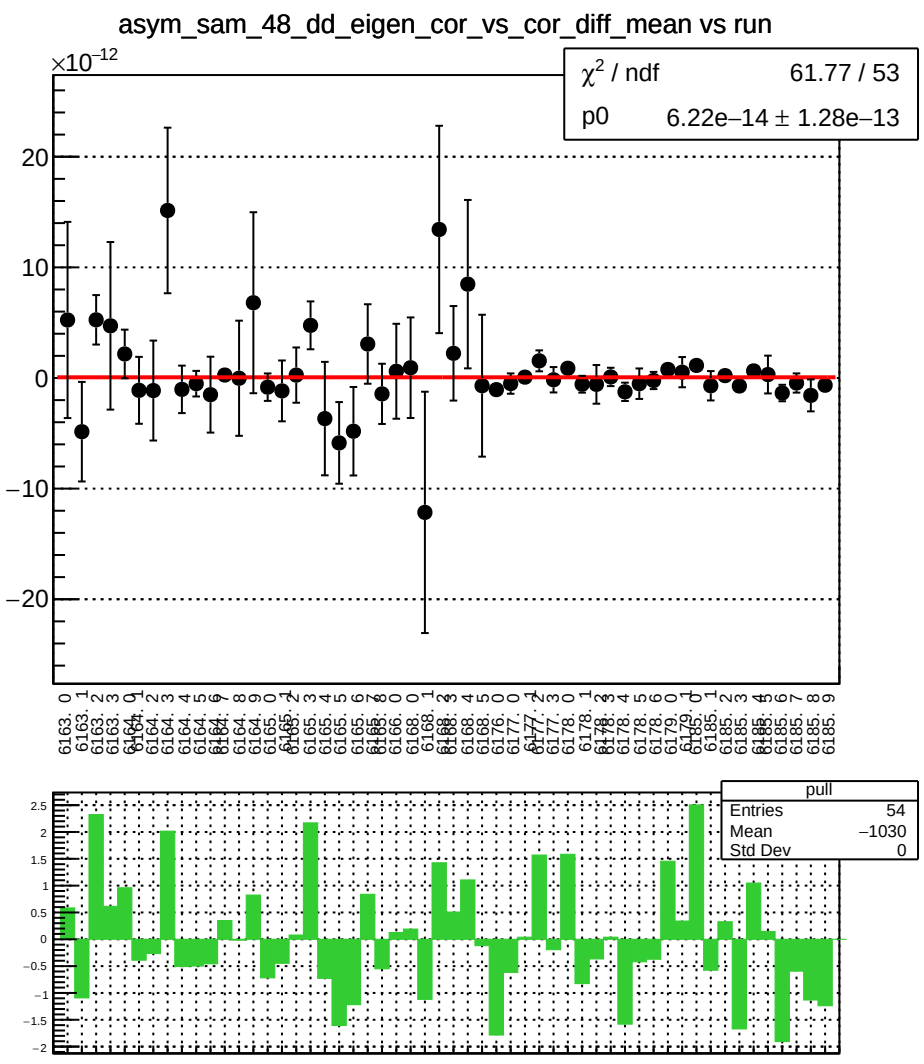

asym_sam_48_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 59.58 / 53
p0 0.08099 ± 0.06097
pull
Entries 54
Mean 46.05
Std Dev 0
pull1D
Entries 54
Mean 0.06074
Std Dev 1.049

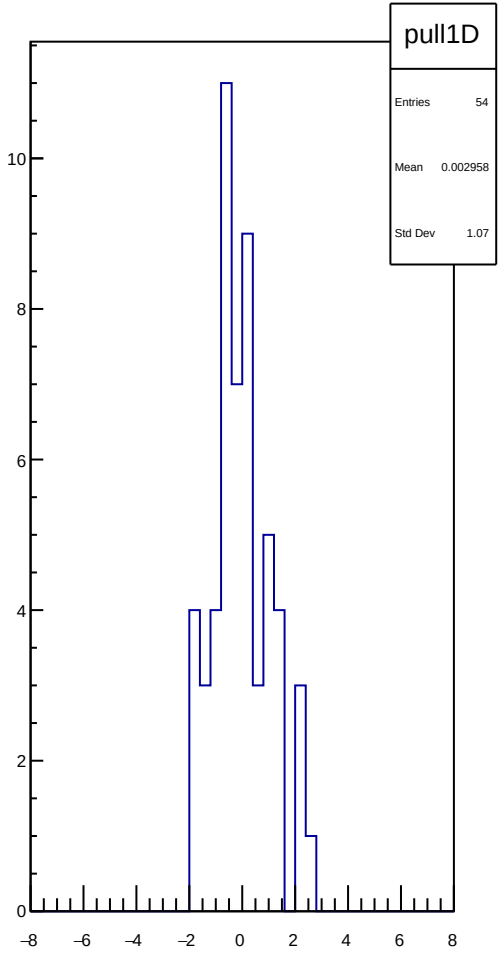

asym_sam_48_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.065e+05 / 53
p0 41.5 ± 0.04311
100
90
80
70
60
50
40
30
20
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

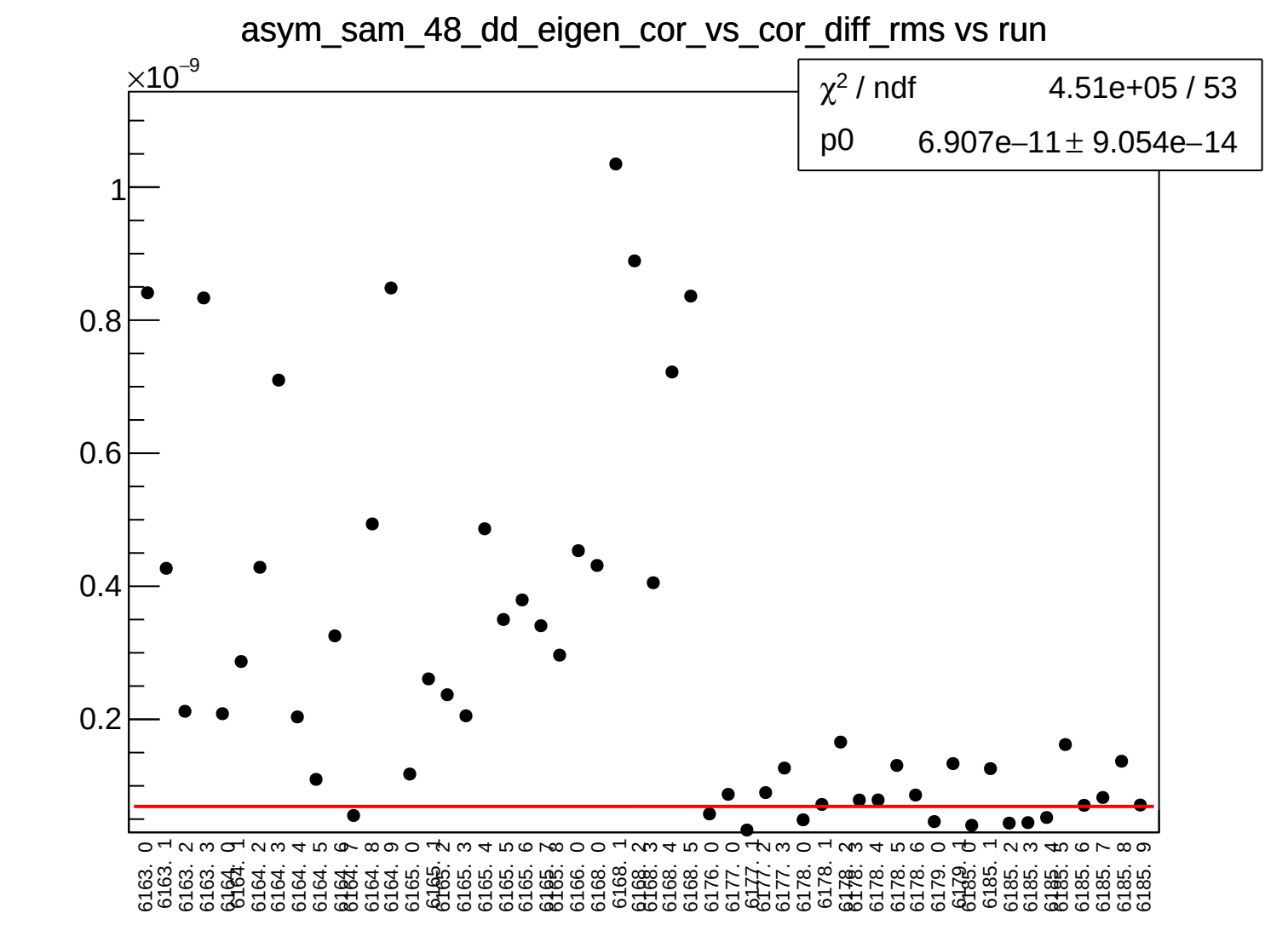

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 59.58 / 53
p0 0.08099 ± 0.06097
pull
Entries 54
Mean 46.05
Std Dev 0

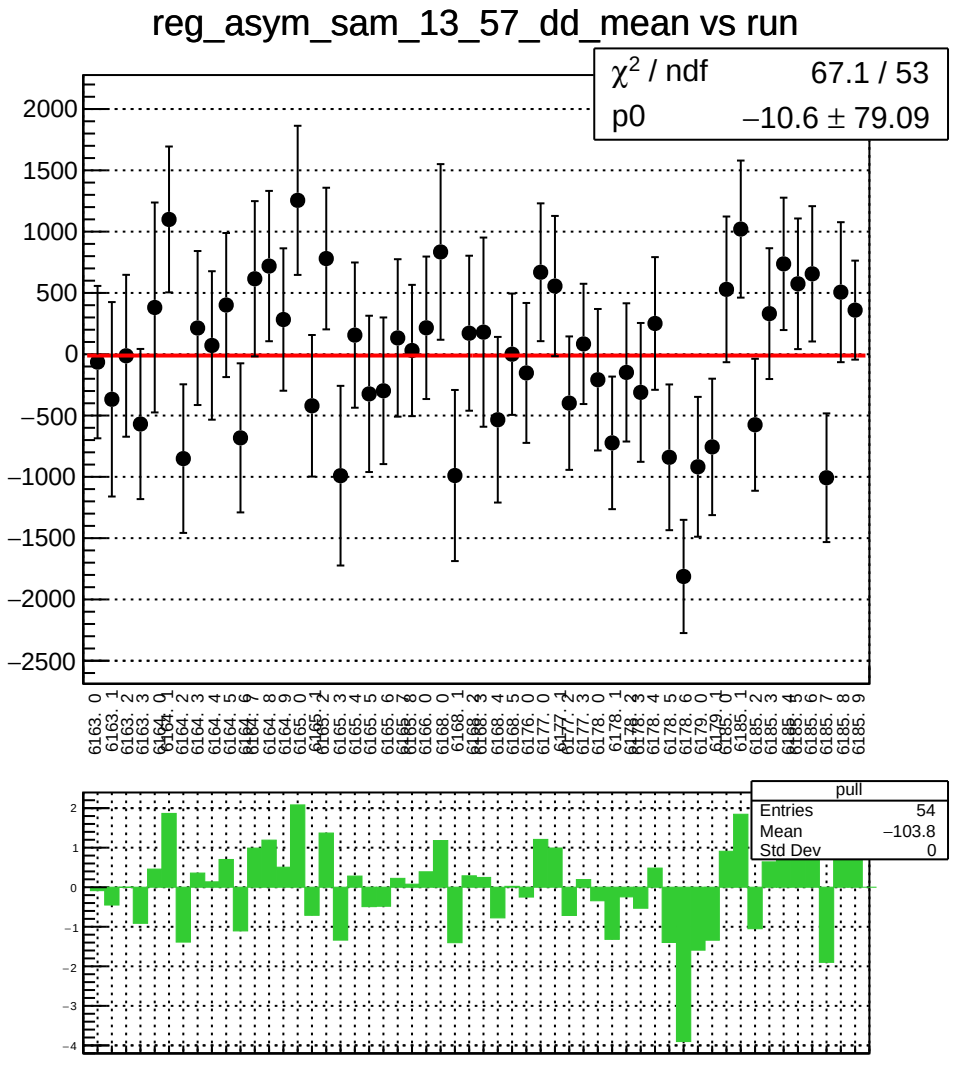

pull1D
Entries 54
Mean 0.06074
Std Dev 1.049

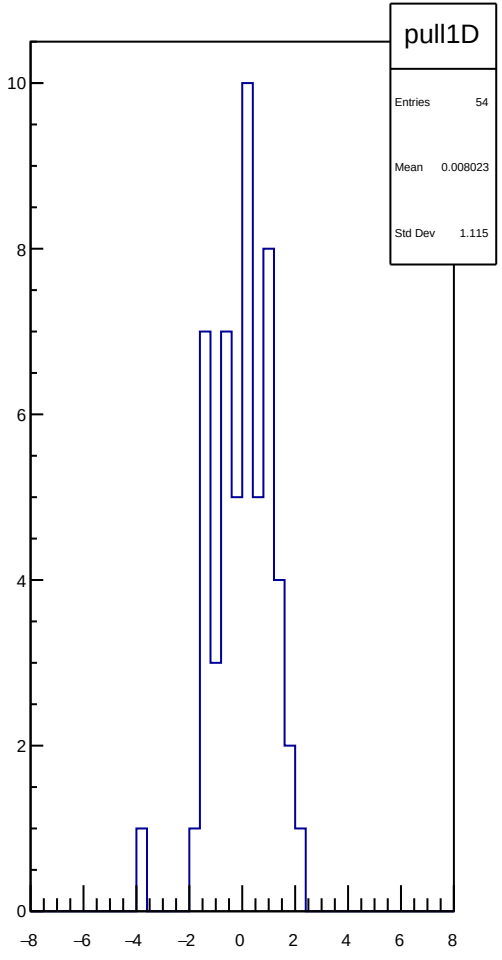

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.065e+05 / 53
p0 41.5 ± 0.04311
100
90
80
70
60
50
40
30
20
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

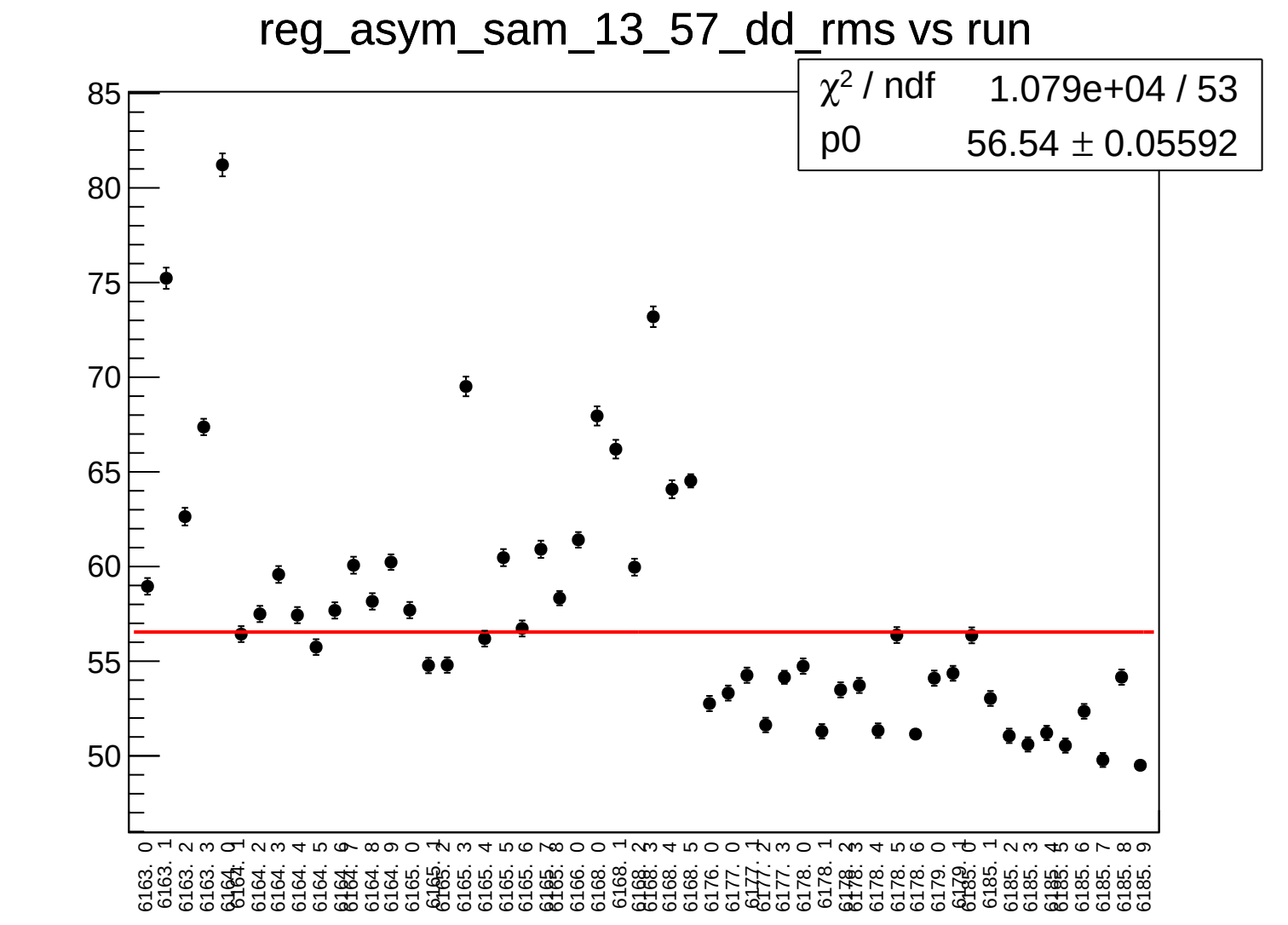

asym_sam_48_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 61.77 / 53
p0 6.22e−14 ± 1.28e−13
pull
Entries 54
Mean −1030
Std Dev 0

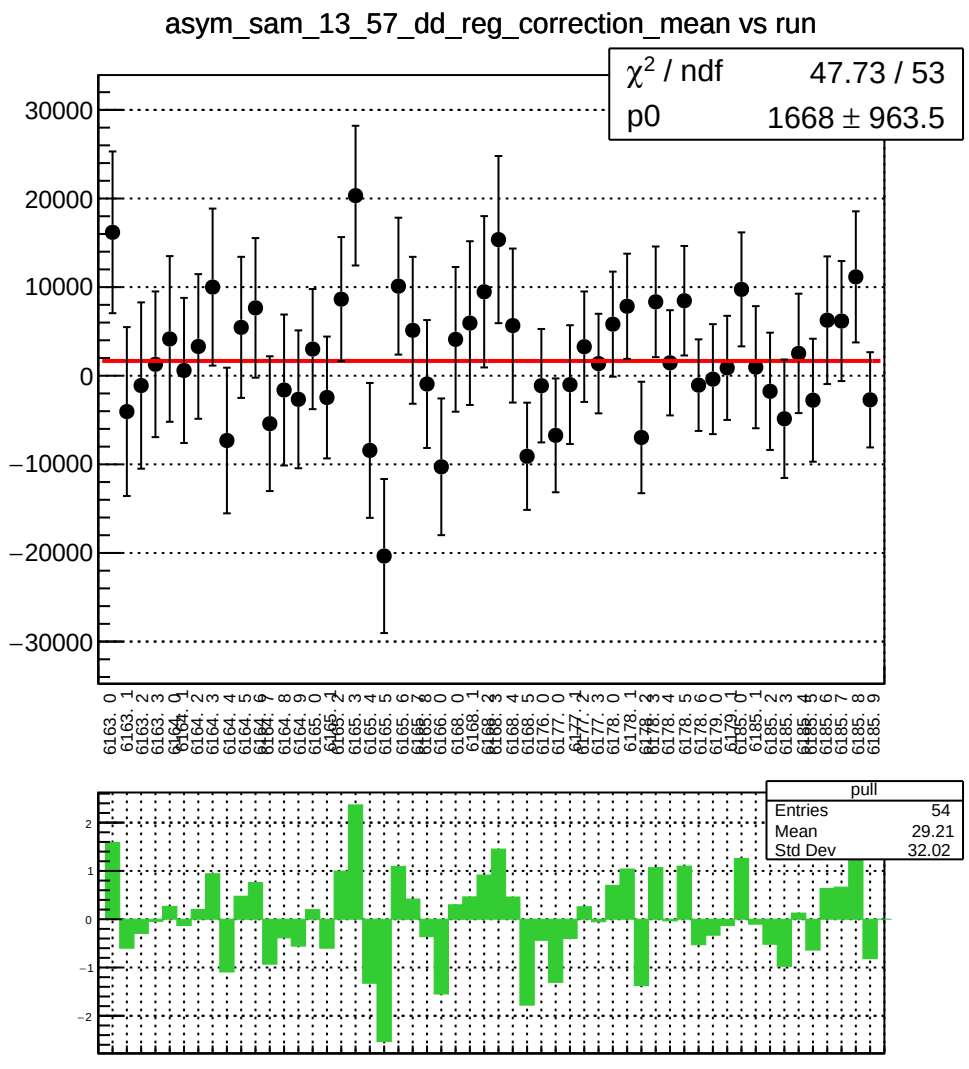

pull1D
Entries 54
Mean 0.002958
Std Dev 1.07

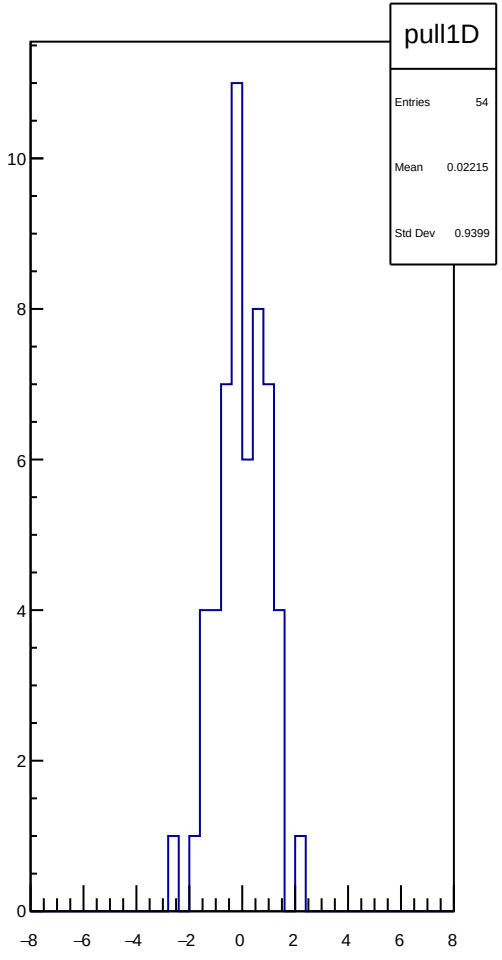

asym_sam_48_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.51e+05 / 53
p0 6.907e−11 ± 9.054e−14
1
0.8
0.6
0.4
0.2
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

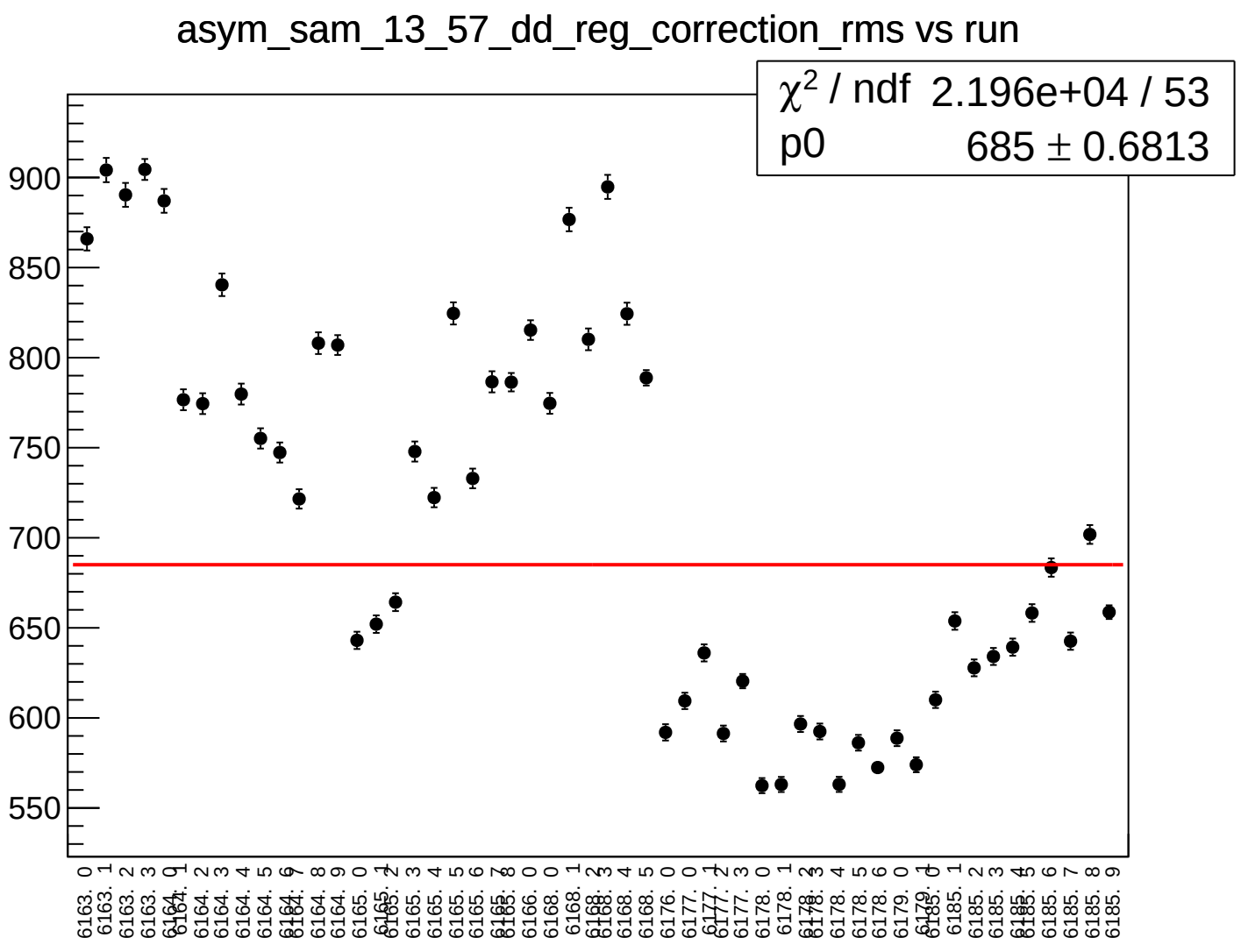

reg_asym_sam_13_57_dd_mean vs run
χ² / ndf 67.1 / 53
p0 −10.6 ± 79.09
pull
Entries 54
Mean −103.8
Std Dev 0

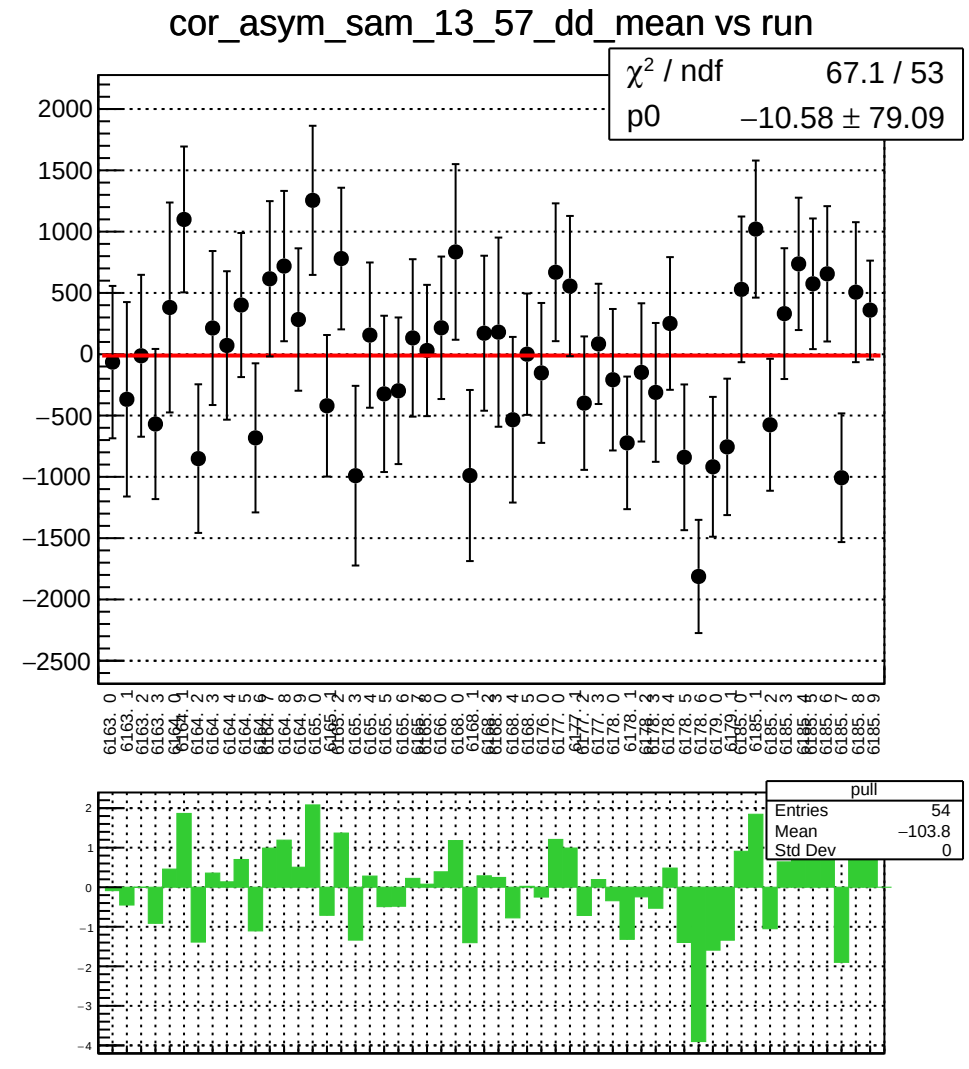

pull1D
Entries 54
Mean 0.008023
Std Dev 1.115

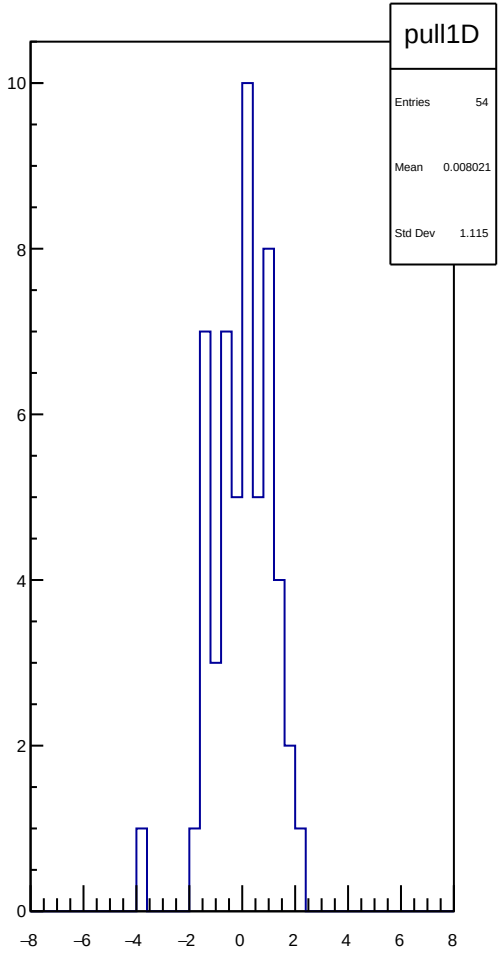

reg_asym_sam_13_57_dd_rms vs run
χ² / ndf 1.079e+04 / 53
p0 56.54 ± 0.05592
85
80
75
70
65
60
55
50
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

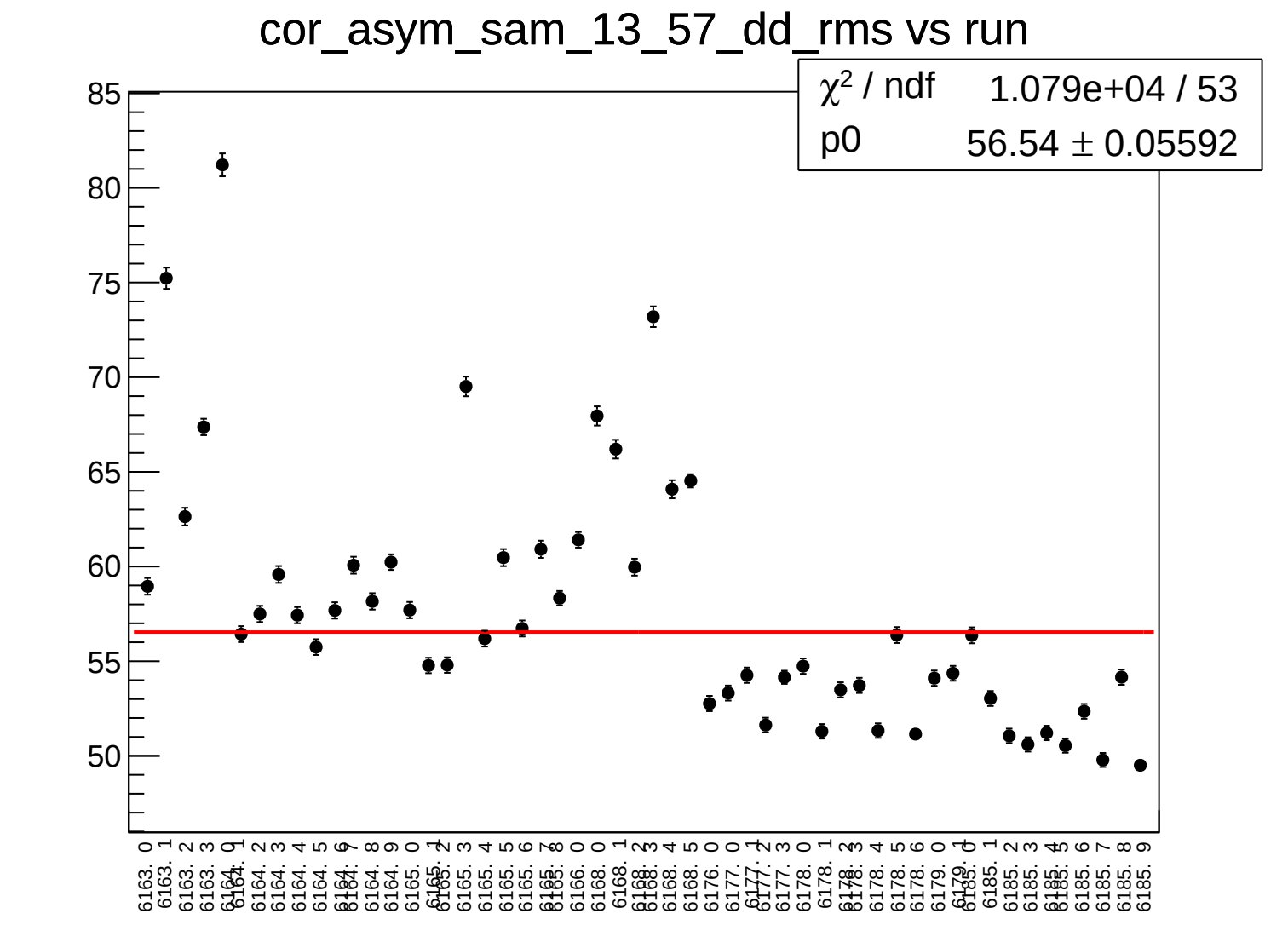

asym_sam_13_57_dd_reg_correction_mean vs run
χ² / ndf 47.73 / 53
p0 1668 ± 963.5
pull
Entries 54
Mean 29.21
Std Dev 32.02

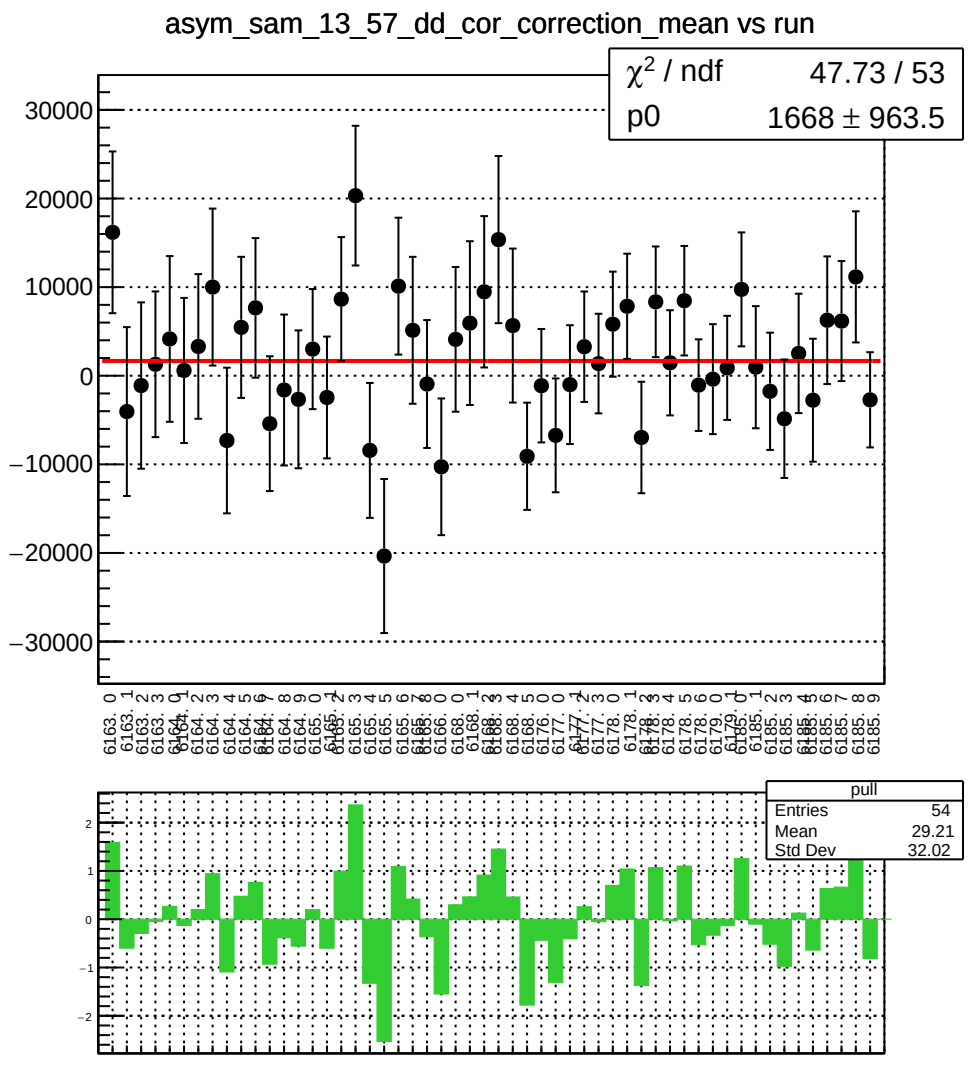

pull1D
Entries 54
Mean 0.02215
Std Dev 0.9399

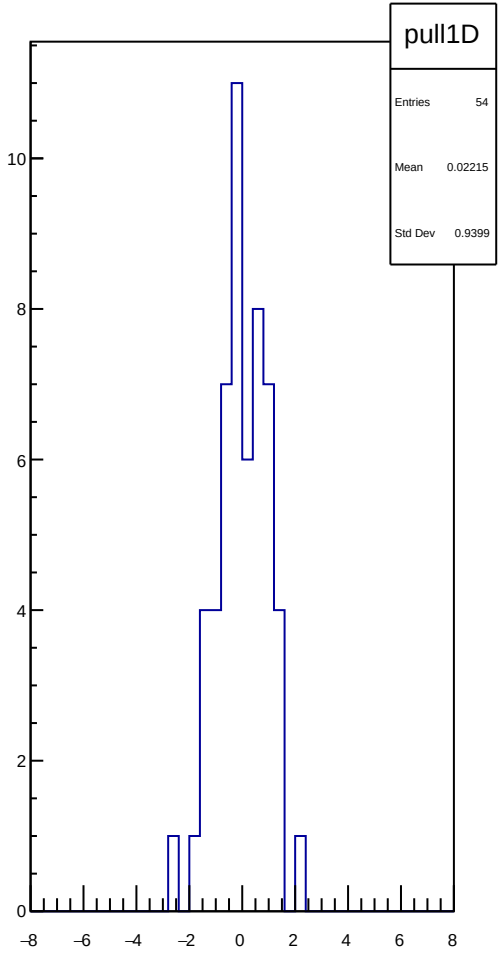

asym_sam_13_57_dd_reg_correction_rms vs run
χ^2 / ndf 2.196e+04 / 53
p0 685 ± 0.6813
900
850
800
750
700
650
600
550
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

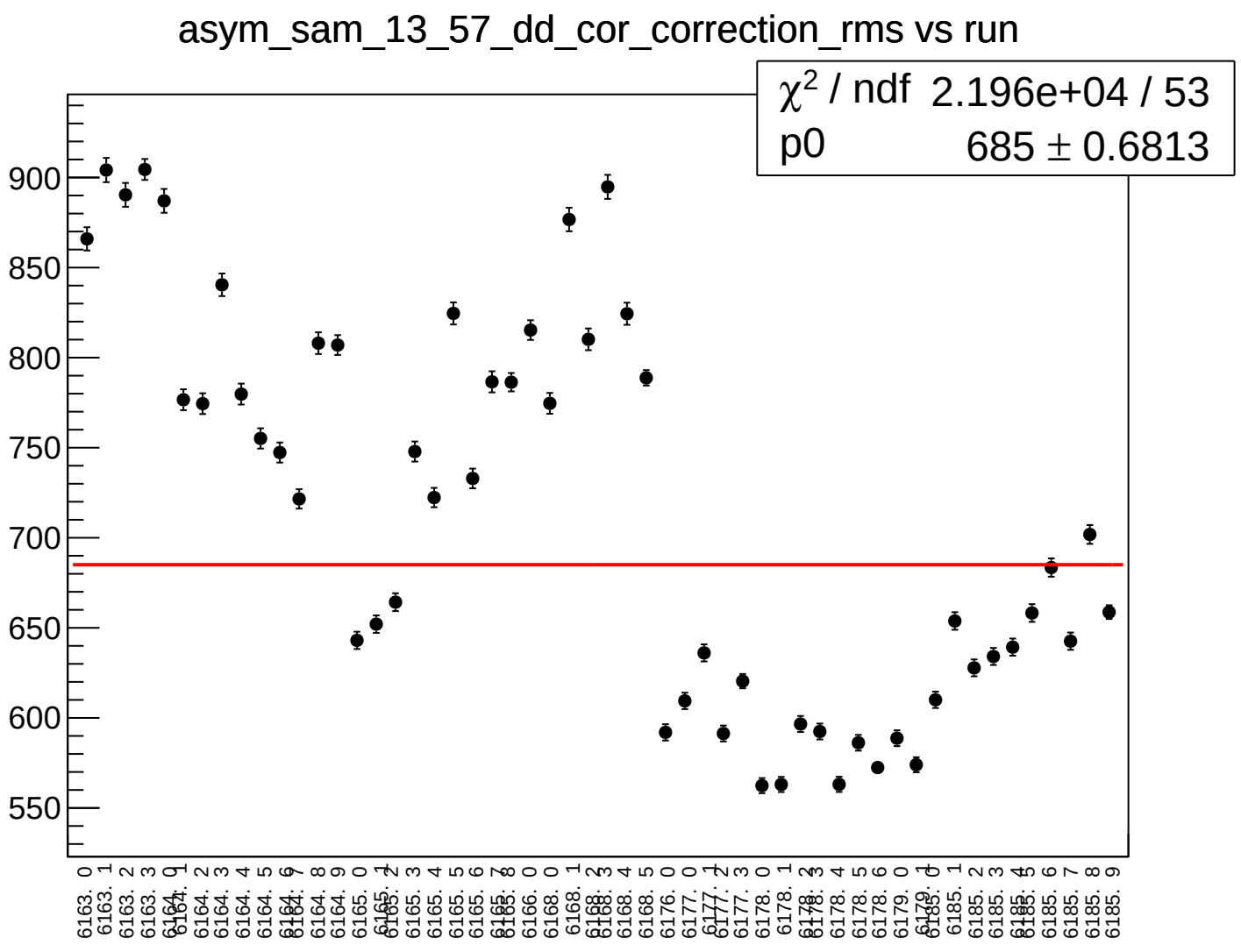

cor_asym_sam_13_57_dd_mean vs run
χ² / ndf 67.1 / 53
p0 −10.58 ± 79.09
pull
Entries 54
Mean −103.8
Std Dev 0

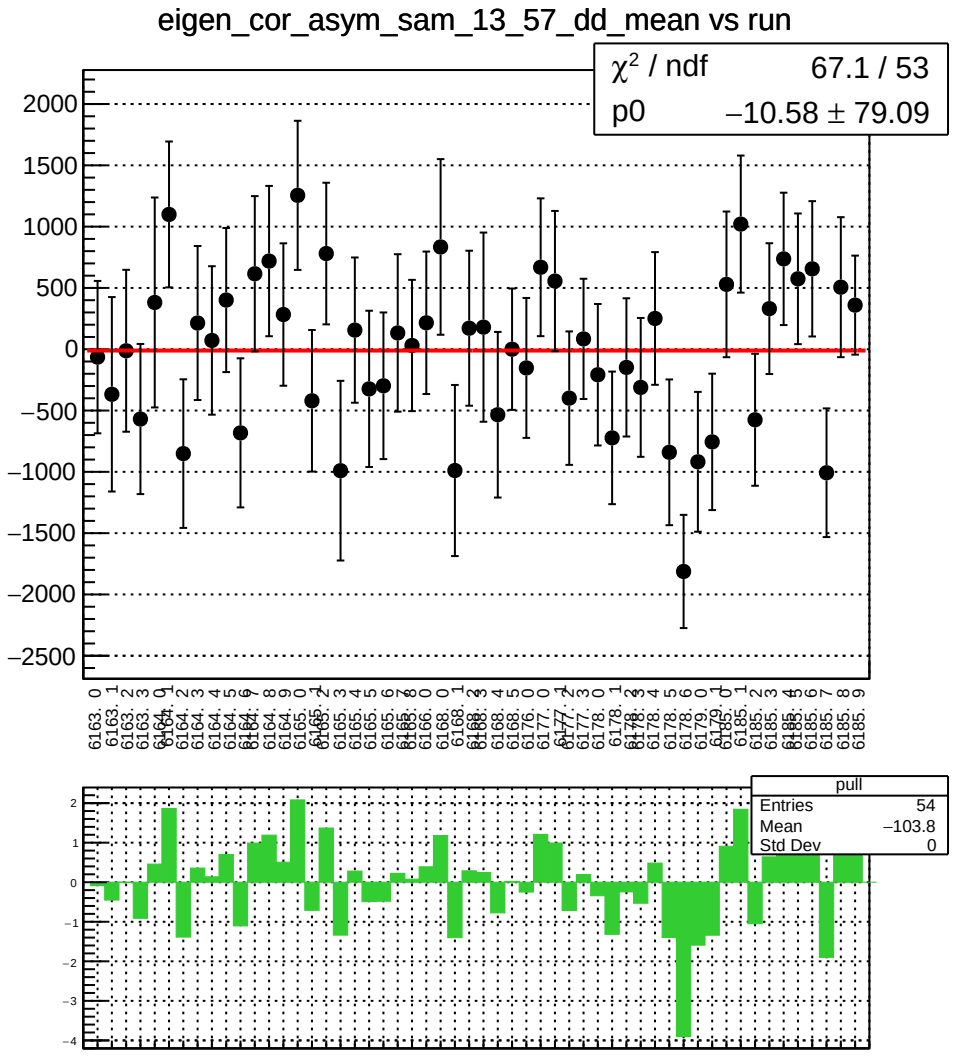

pull1D
Entries 54
Mean 0.008021
Std Dev 1.115

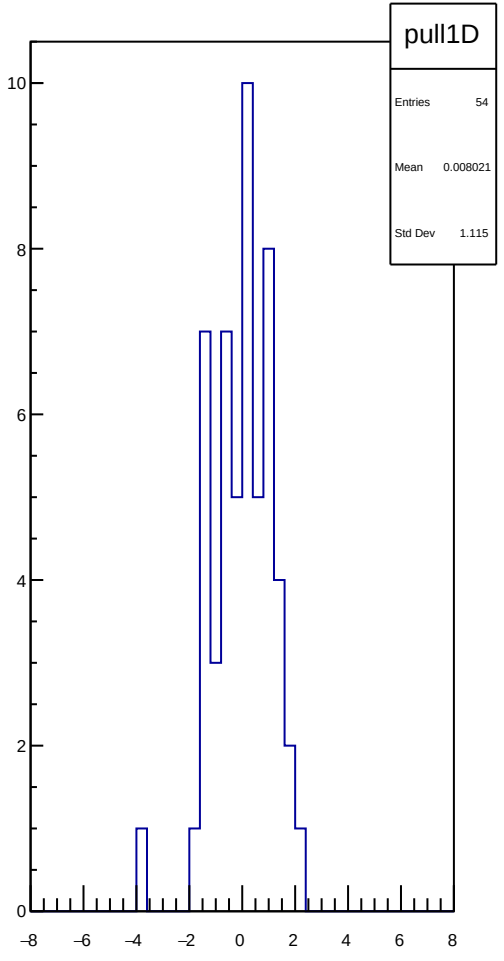

cor_asym_sam_13_57_dd_rms vs run
χ² / ndf 1.079e+04 / 53
p0 56.54 ± 0.05592
85
80
75
70
65
60
55
50
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

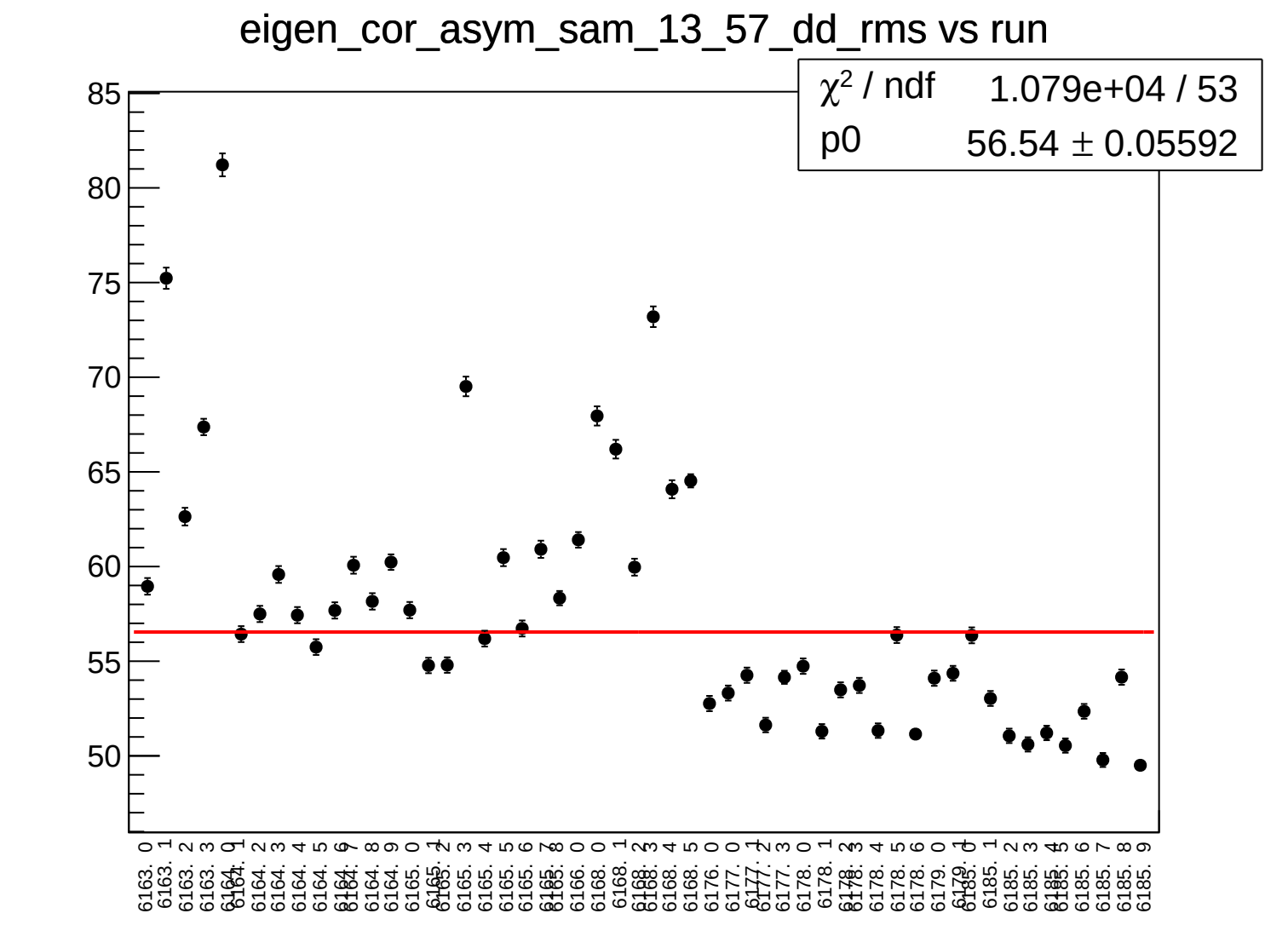

asym_sam_13_57_dd_cor_correction_mean vs run
χ² / ndf 47.73 / 53
p0 1668 ± 963.5
pull
Entries 54
Mean 29.21
Std Dev 32.02

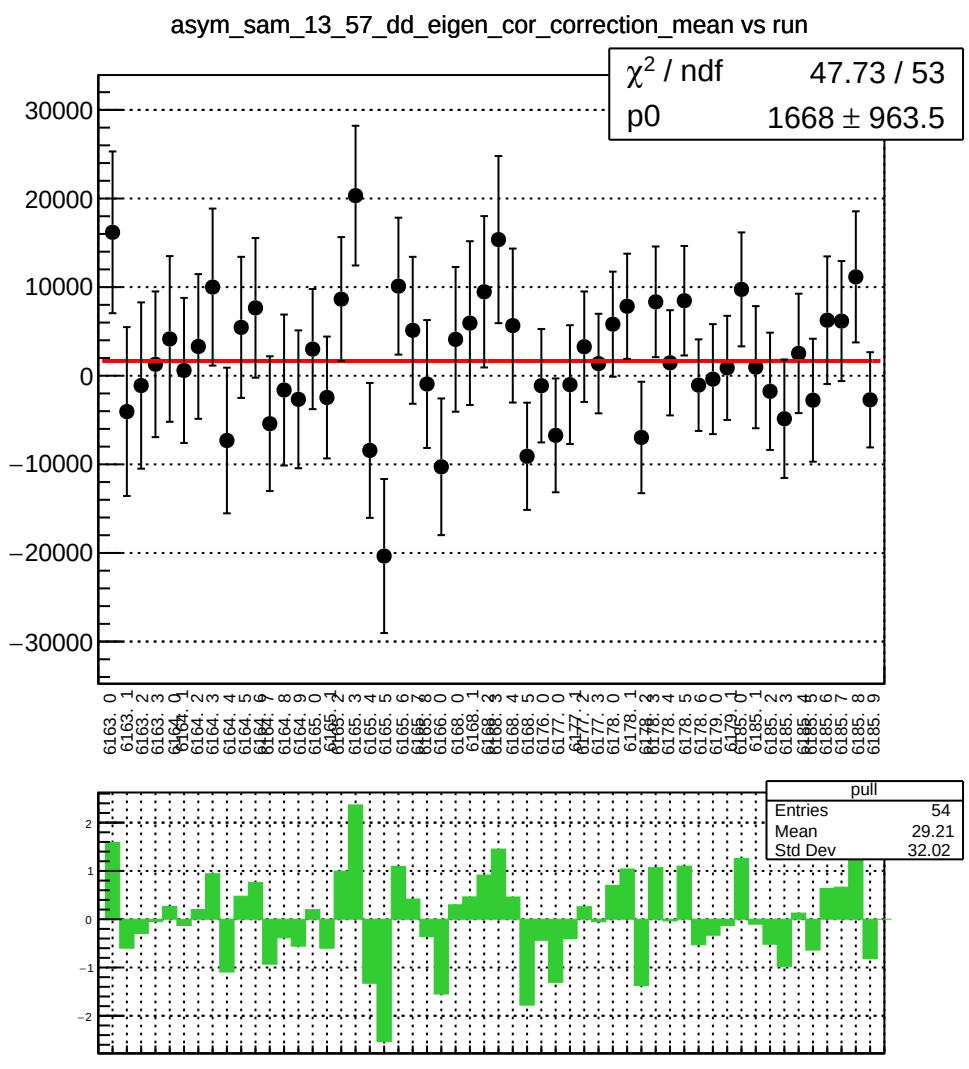

pull1D
Entries 54
Mean 0.02215
Std Dev 0.9399

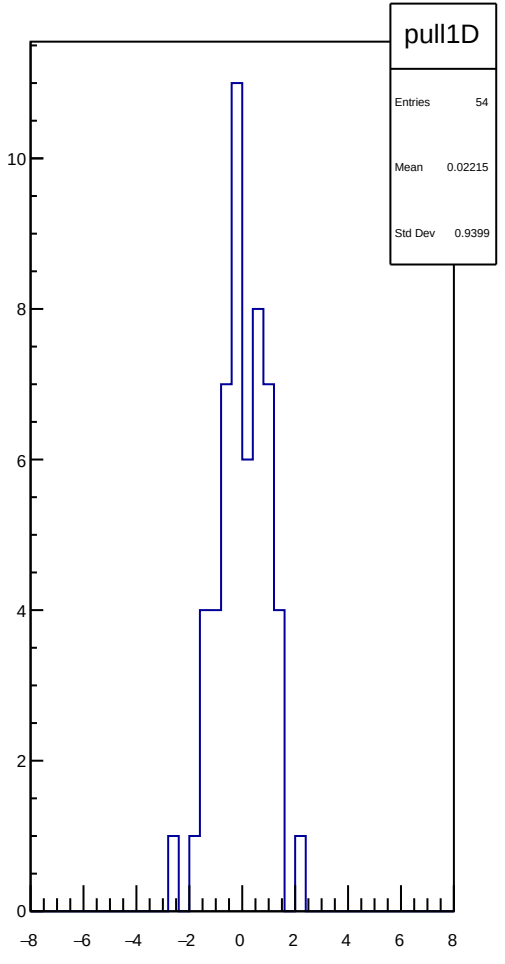

asym_sam_13_57_dd_cor_correction_rms vs run
χ² / ndf 2.196e+04 / 53
p0 685 ± 0.6813
900
850
800
750
700
650
600
550
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

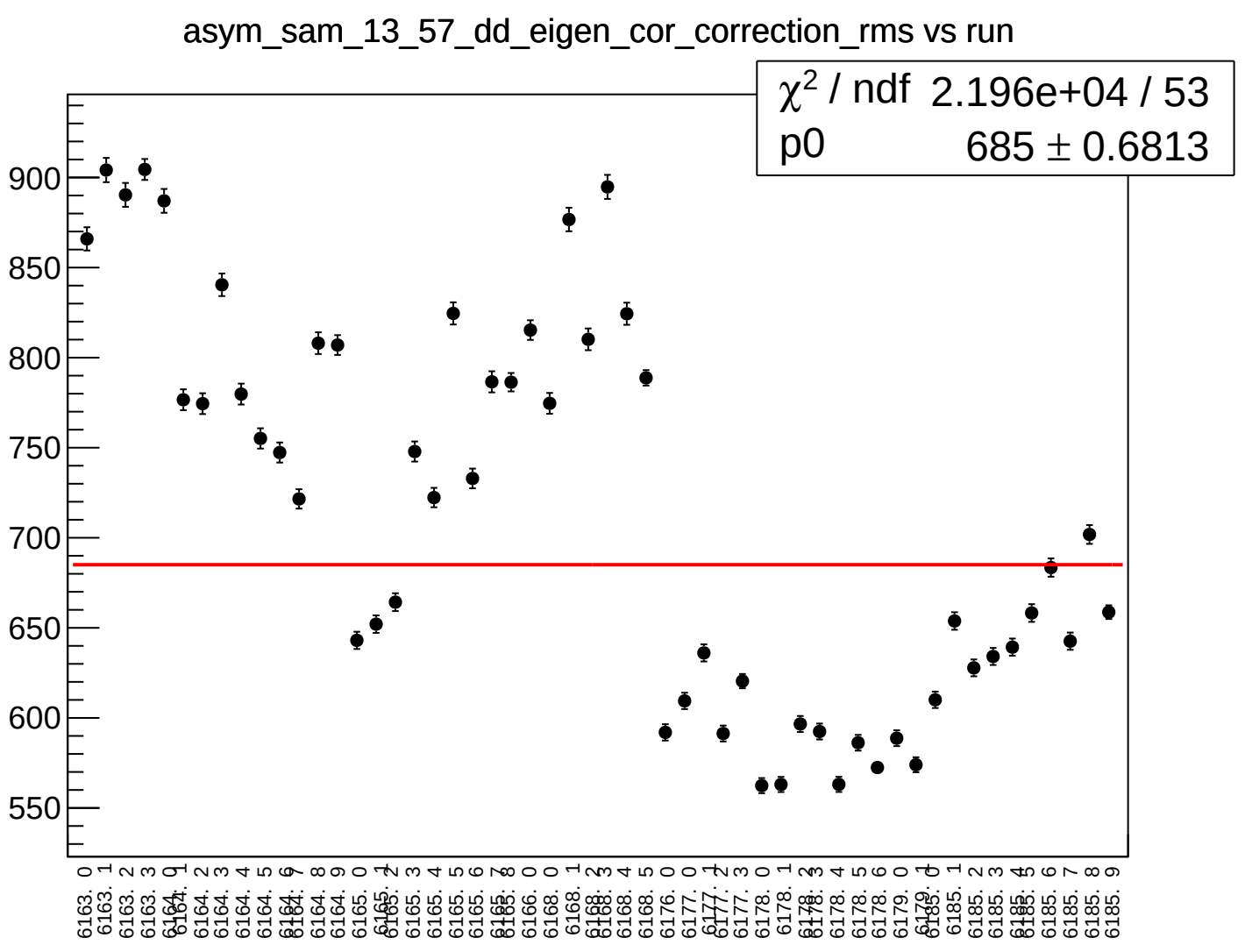

eigen_cor_asym_sam_13_57_dd_mean vs run
χ² / ndf 67.1 / 53
p0 −10.58 ± 79.09
pull
Entries 54
Mean −103.8
Std Dev 0

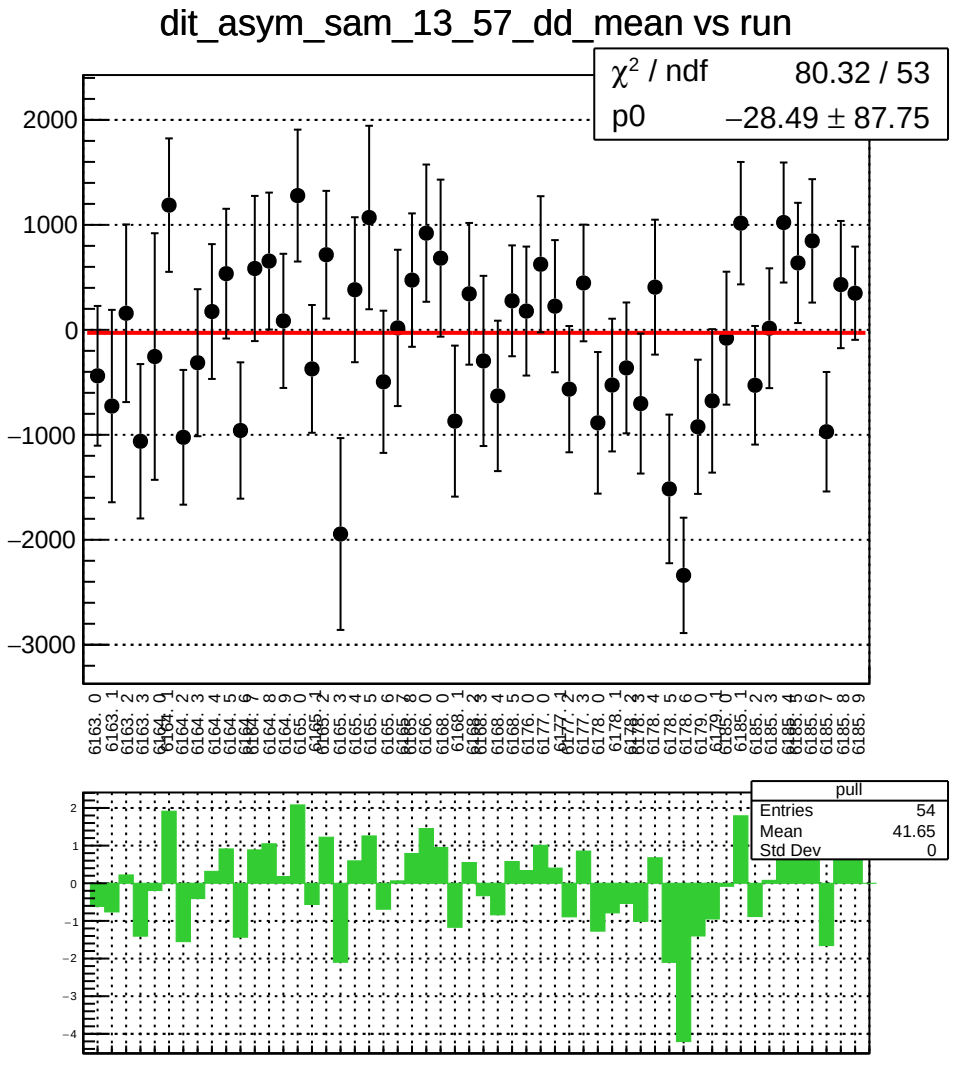

pull1D
Entries 54
Mean 0.008021
Std Dev 1.115

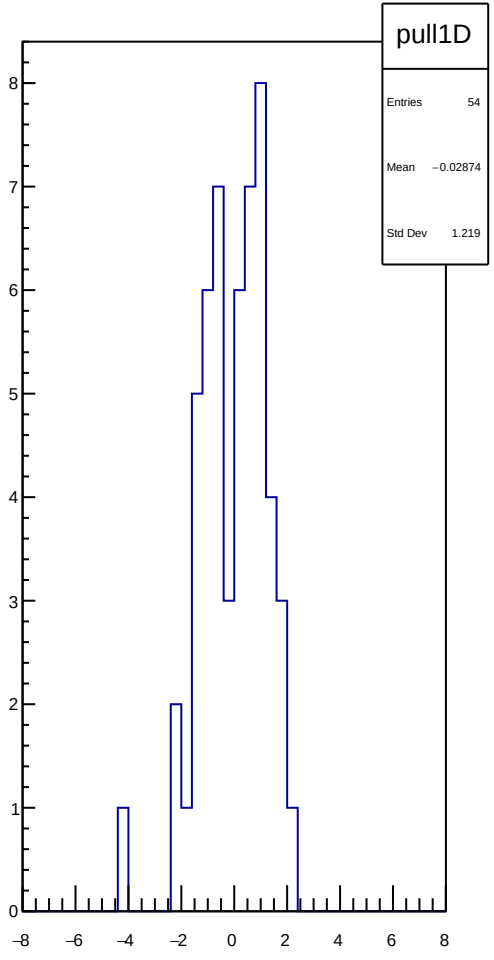

eigen_cor_asym_sam_13_57_dd_rms vs run
χ² / ndf 1.079e+04 / 53
p0 56.54 ± 0.05592
85
80
75
70
65
60
55
50
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

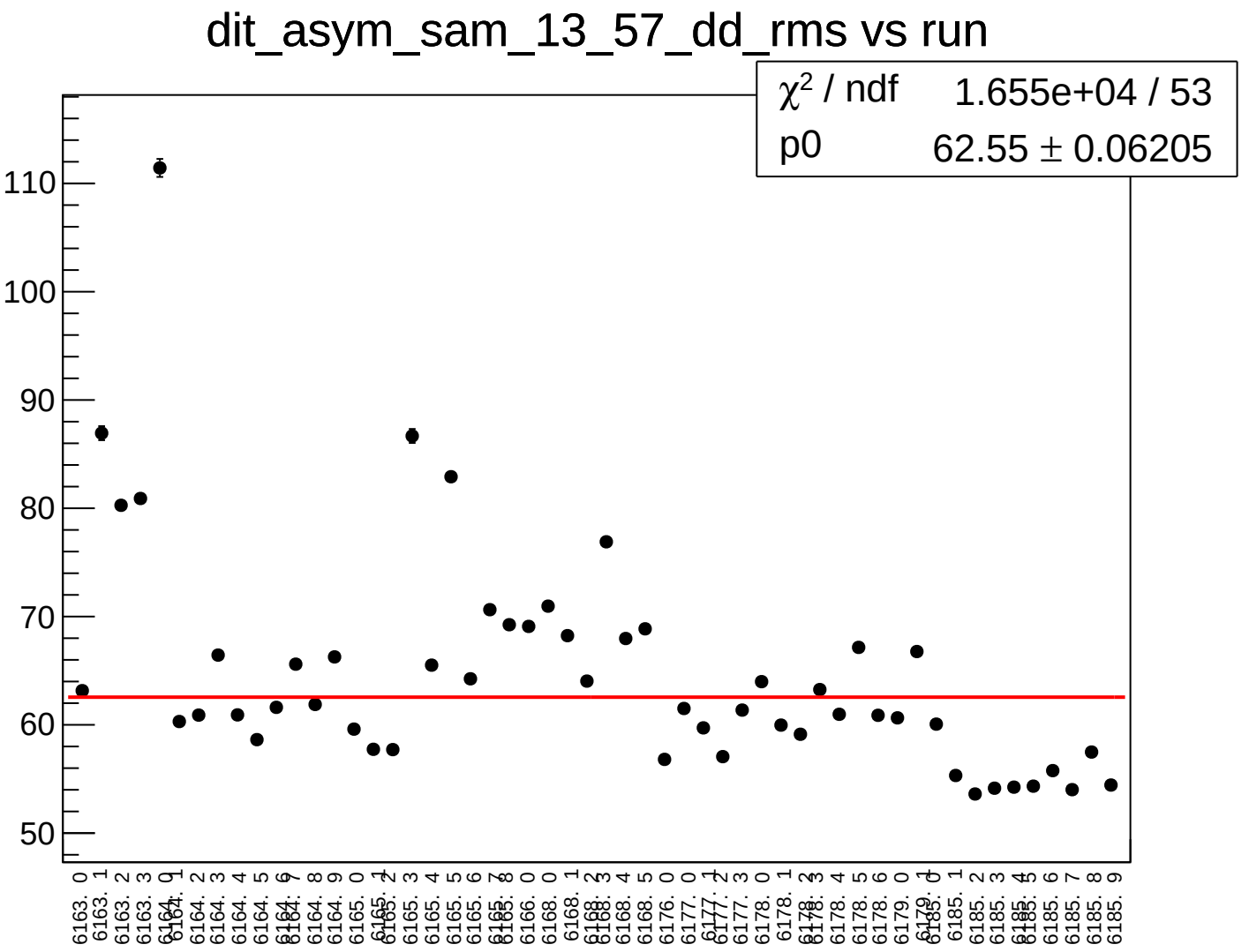

asym_sam_13_57_dd_eigen_cor_correction_mean vs run
χ² / ndf 47.73 / 53
p0 1668 ± 963.5
pull
Entries 54
Mean 29.21
Std Dev 32.02

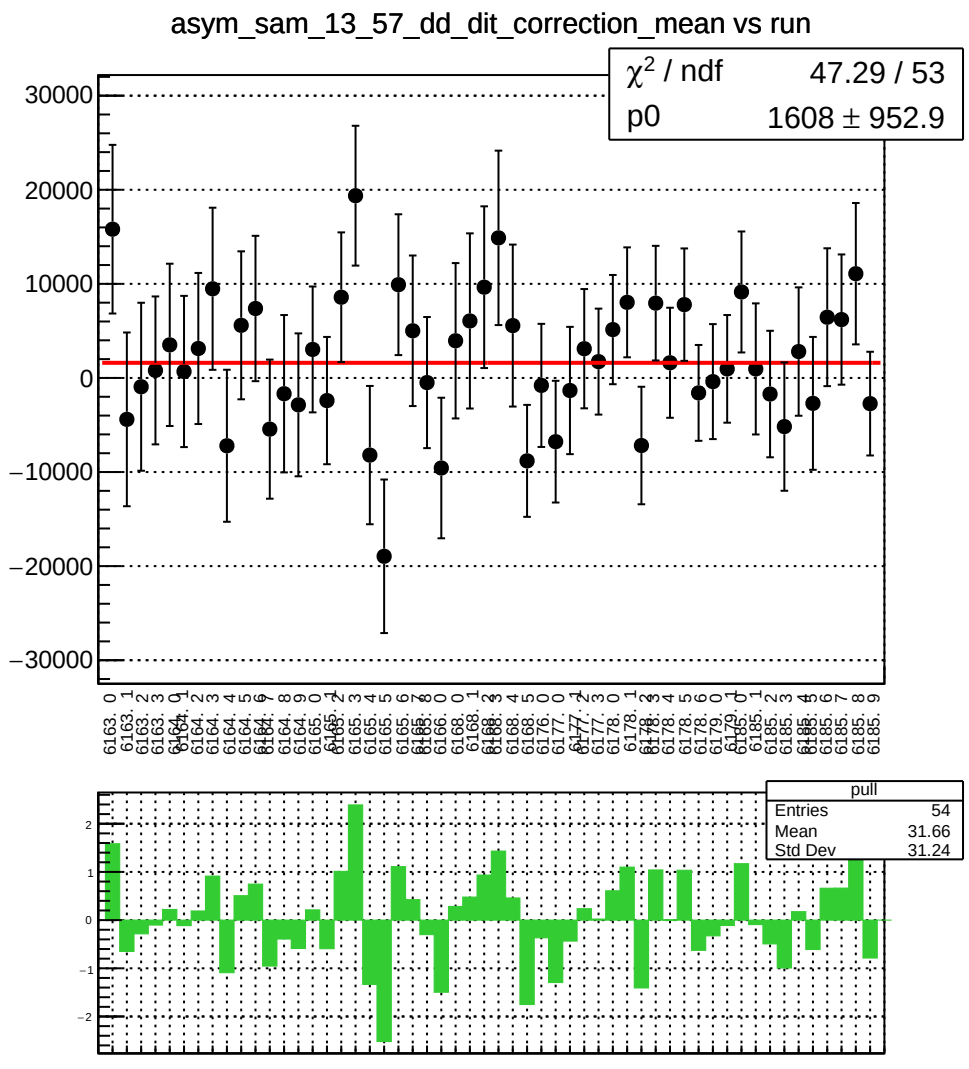

pull1D
Entries 54
Mean 0.02215
Std Dev 0.9399

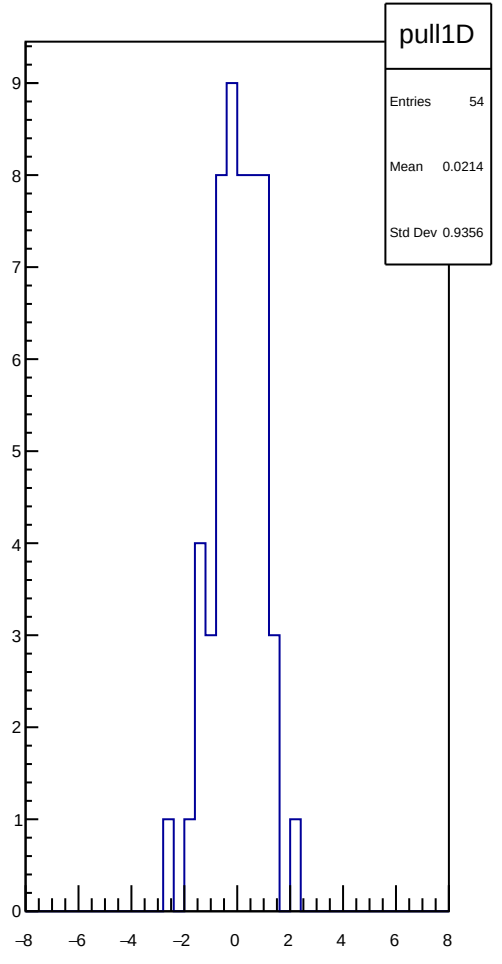

asym_sam_13_57_dd_eigen_cor_correction_rms vs run
χ² / ndf 2.196e+04 / 53
p0 685 ± 0.6813
900
850
800
750
700
650
600
550
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

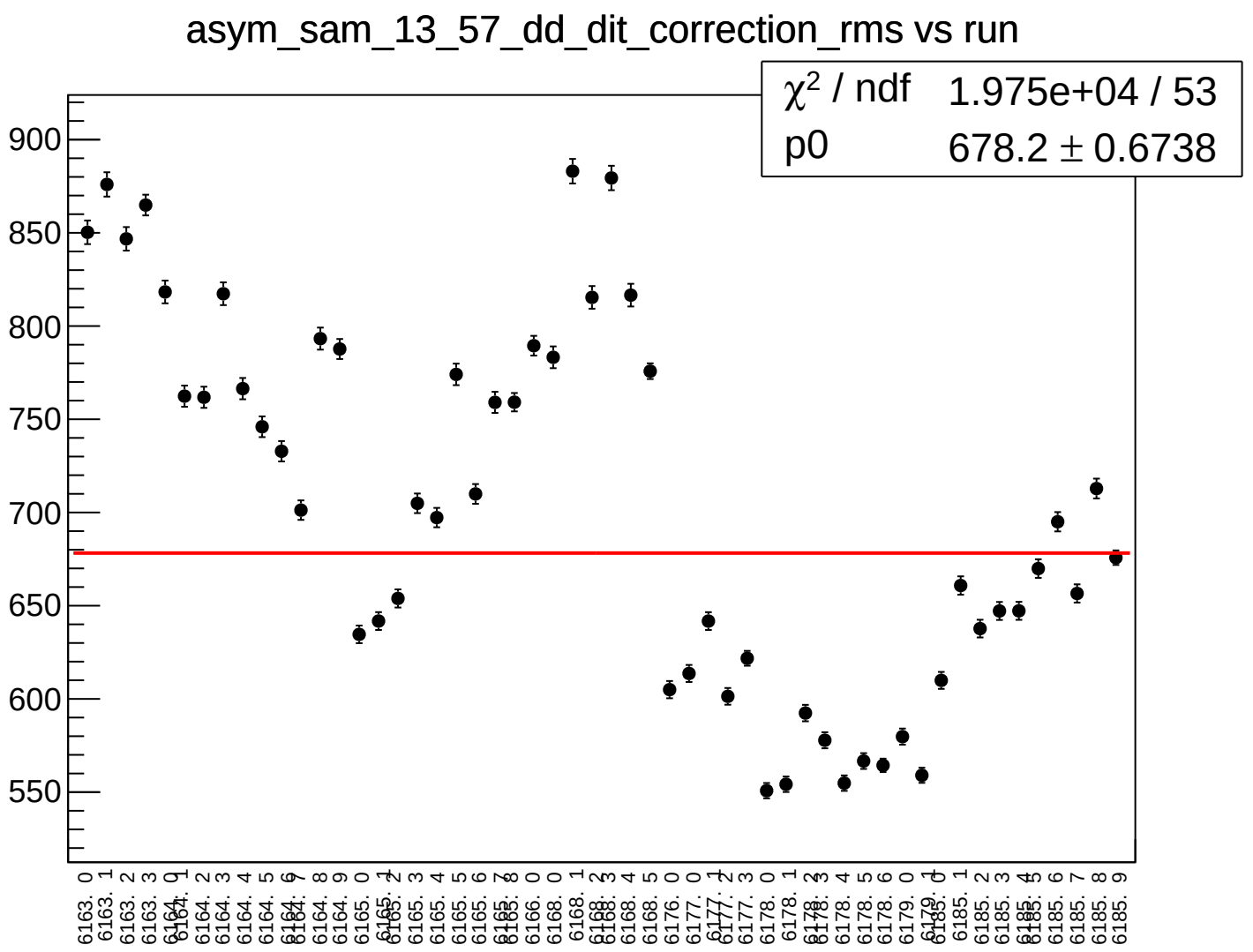

dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 80.32 / 53
p0 −28.49 ± 87.75
pull
Entries 54
Mean 41.65
Std Dev 0

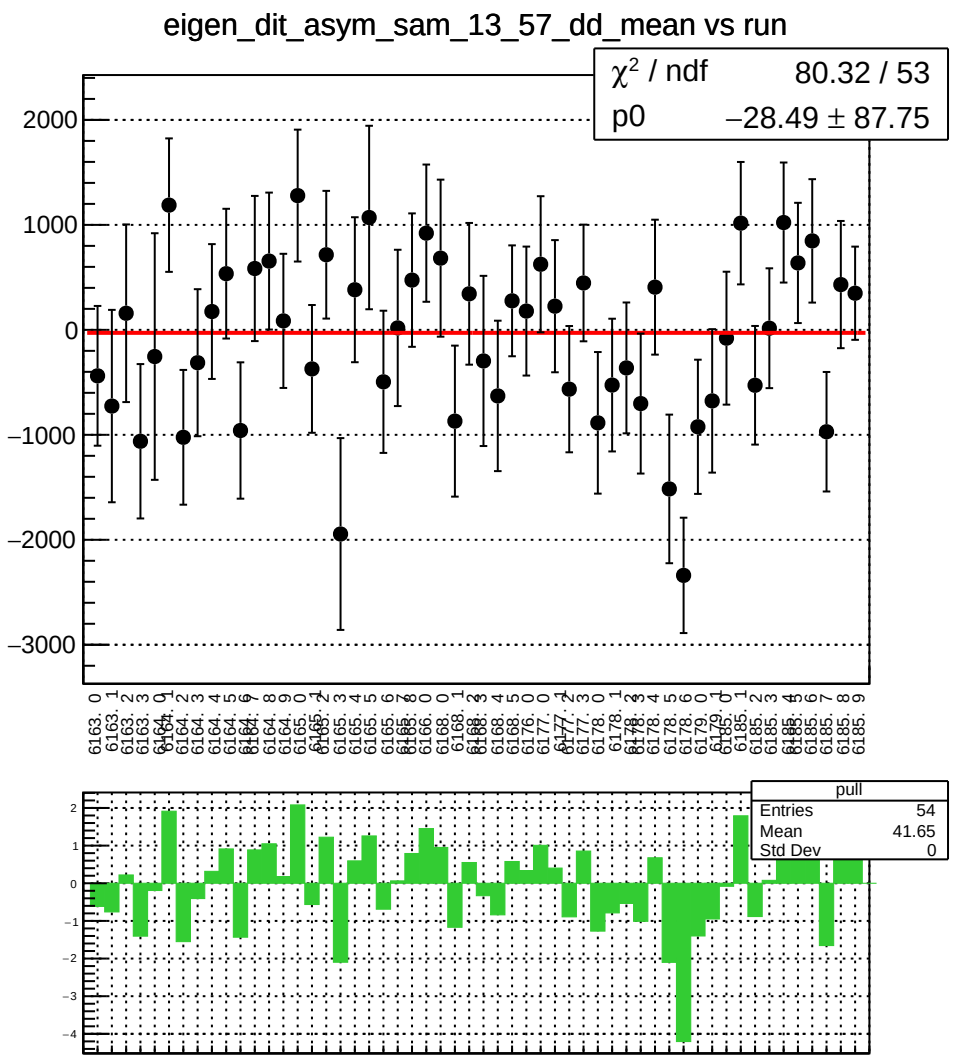

pull1D
Entries 54
Mean −0.02874
Std Dev 1.219

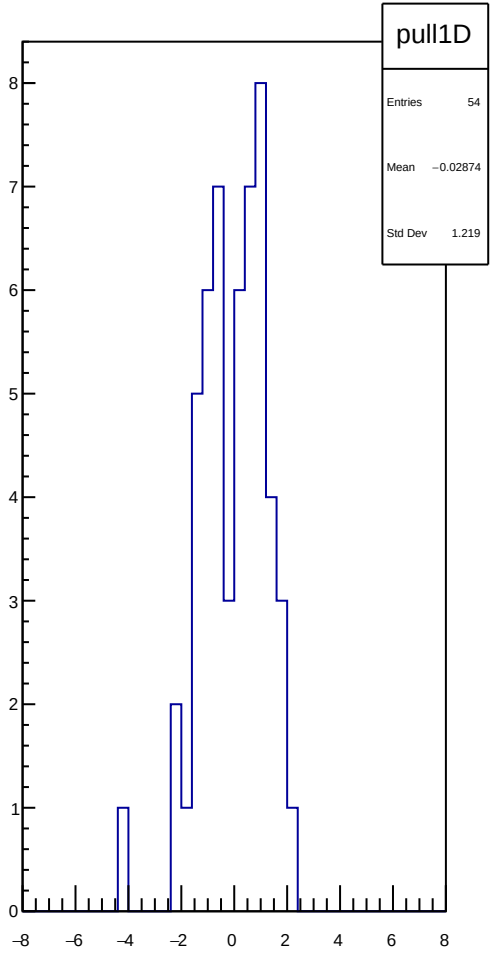

dit_asym_sam_13_57_dd_rms vs run
χ^2 / ndf 1.655e+04 / 53
p0 62.55 ± 0.06205
110
100
90
80
70
60
50
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

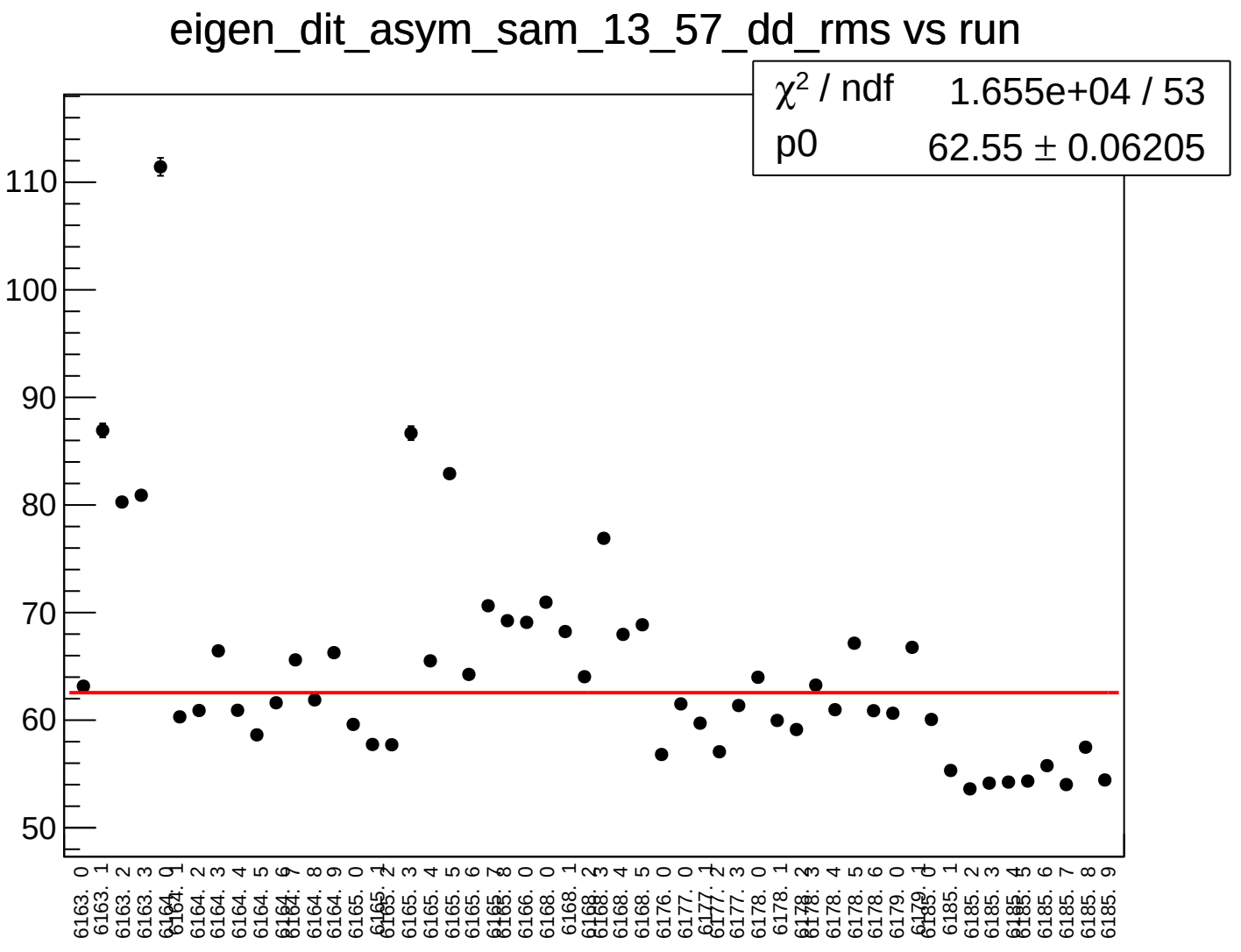

asym_sam_13_57_dd_dit_correction_mean vs run
χ² / ndf 47.29 / 53
p0 1608 ± 952.9
pull
Entries 54
Mean 31.66
Std Dev 31.24


pull1D
Entries 54
Mean 0.0214
Std Dev 0.9356


asym_sam_13_57_dd_dit_correction_rms vs run
χ² / ndf 1.975e+04 / 53
p0 678.2 ± 0.6738
900
850
800
750
700
650
600
550
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


eigen_dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 80.32 / 53
p0 −28.49 ± 87.75
2000
1000
0
−1000
−2000
−3000
pull
Entries 54
Mean 41.65
Std Dev 0
2
1
0
−1
−2
−3
−4


pull1D
Entries 54
Mean −0.02874
Std Dev 1.219
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_dit_asym_sam_13_57_dd_rms vs run
χ^2 / ndf 1.655e+04 / 53
p0 62.55 ± 0.06205
110
100
90
80
70
60
50
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
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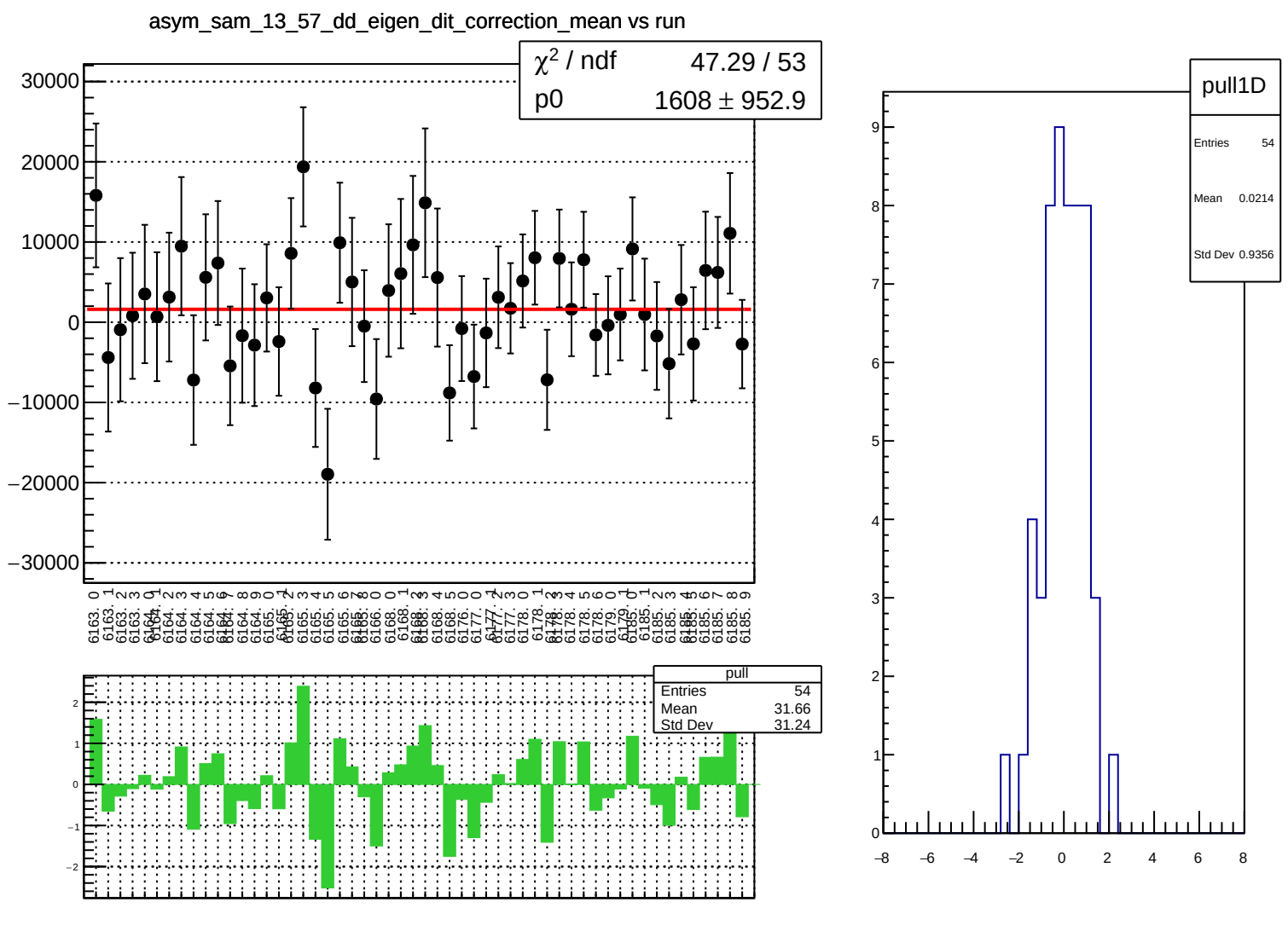
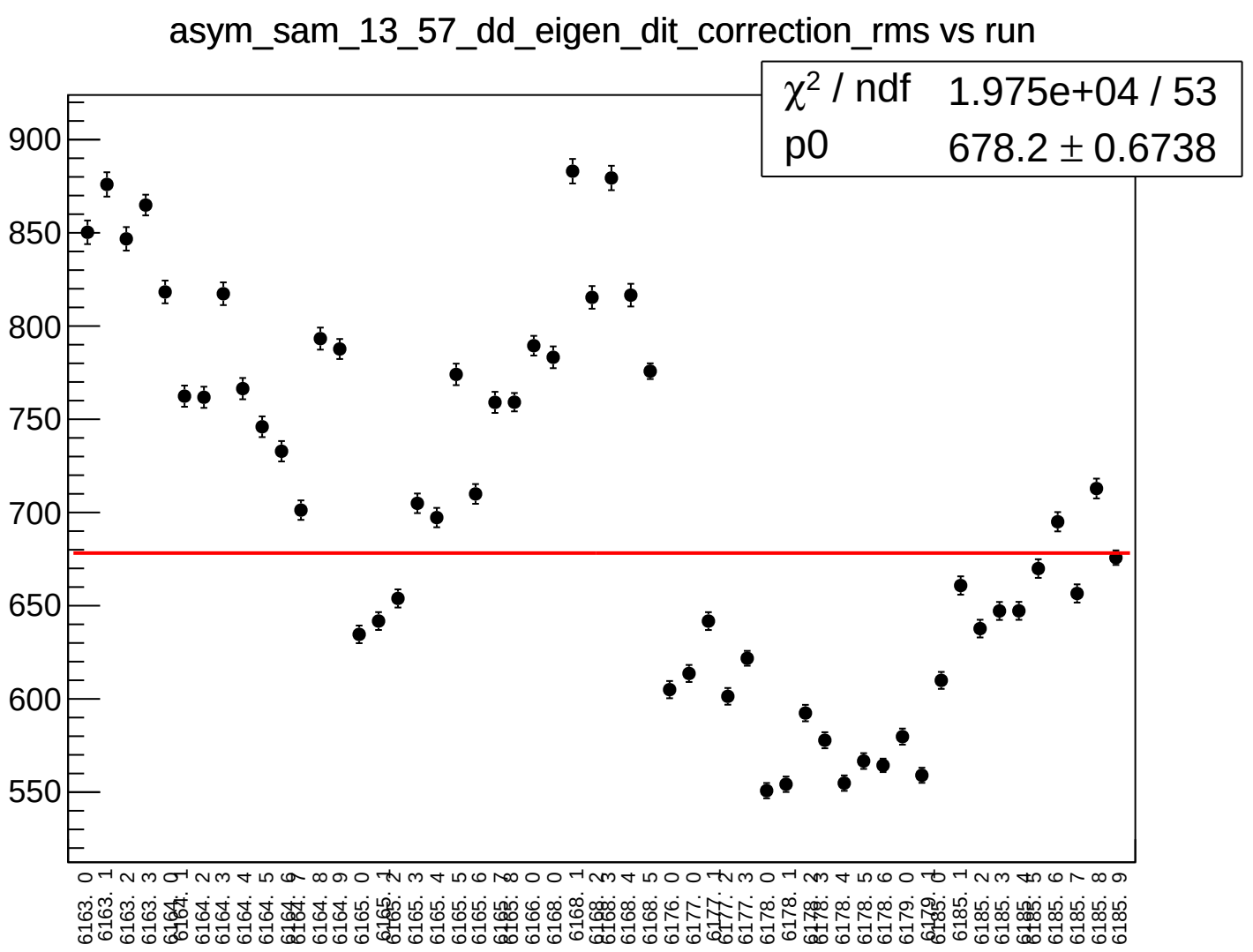
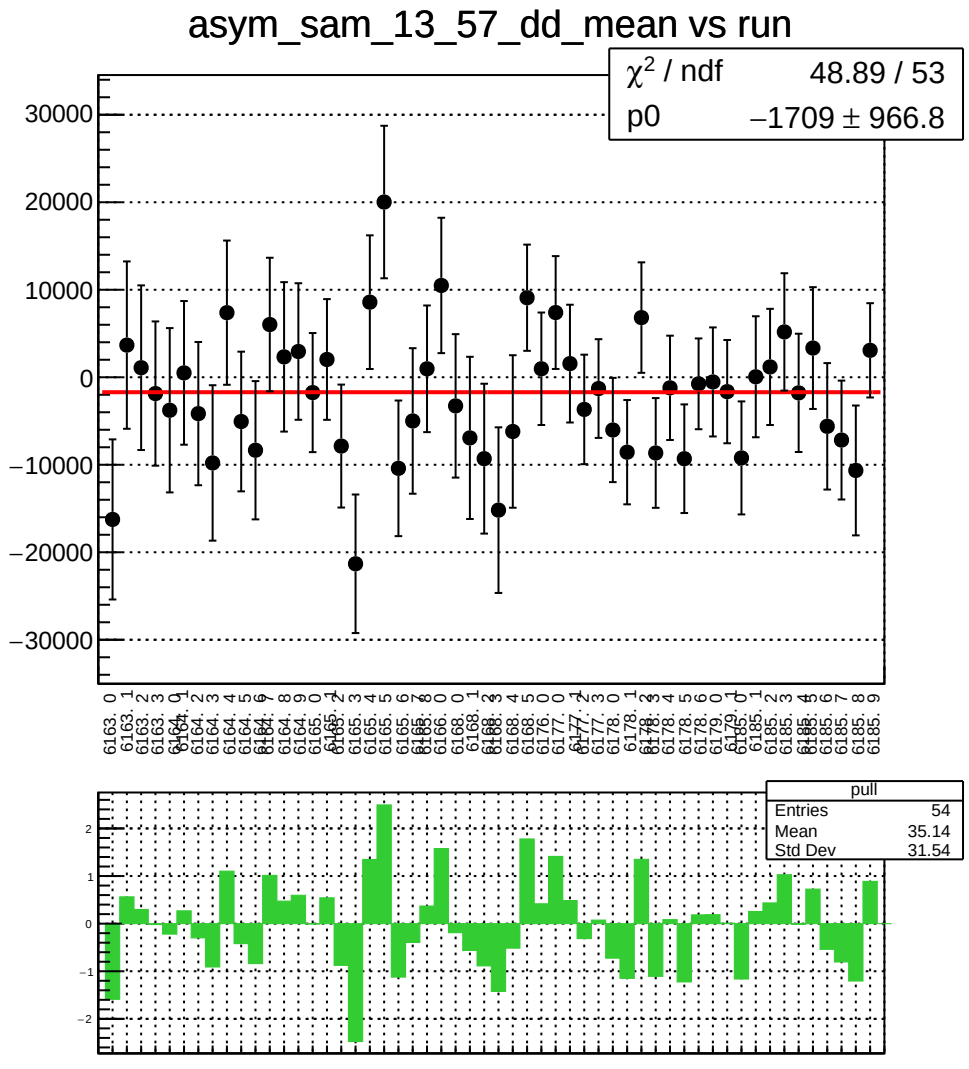
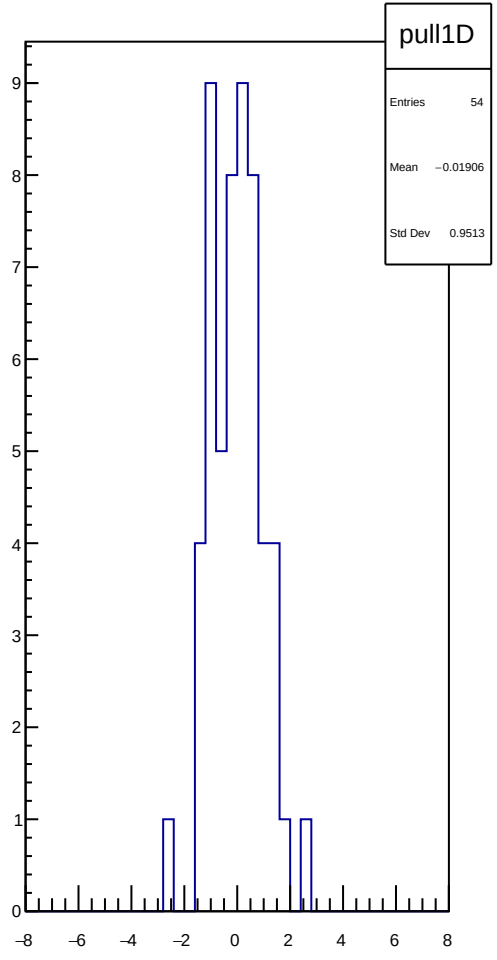
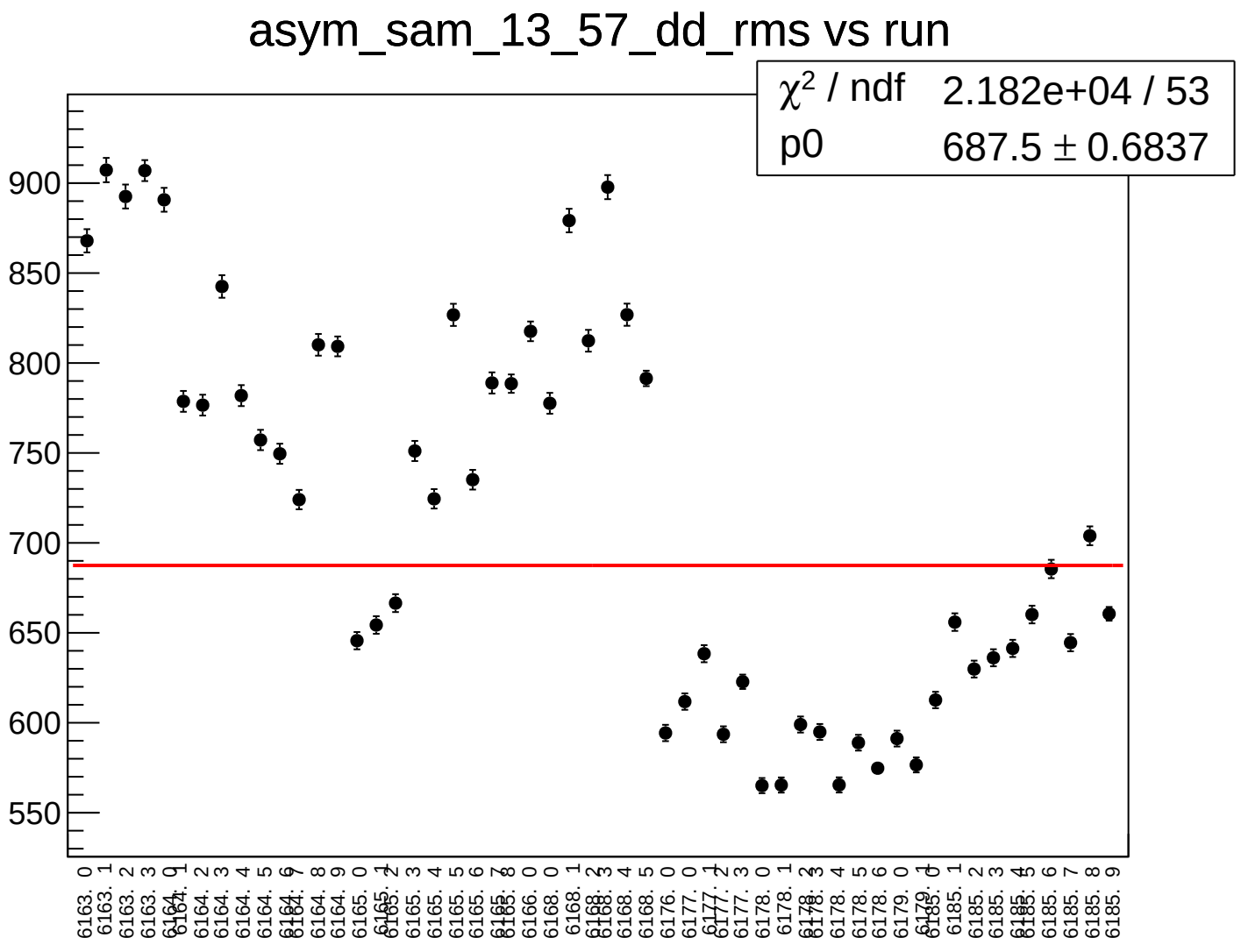
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

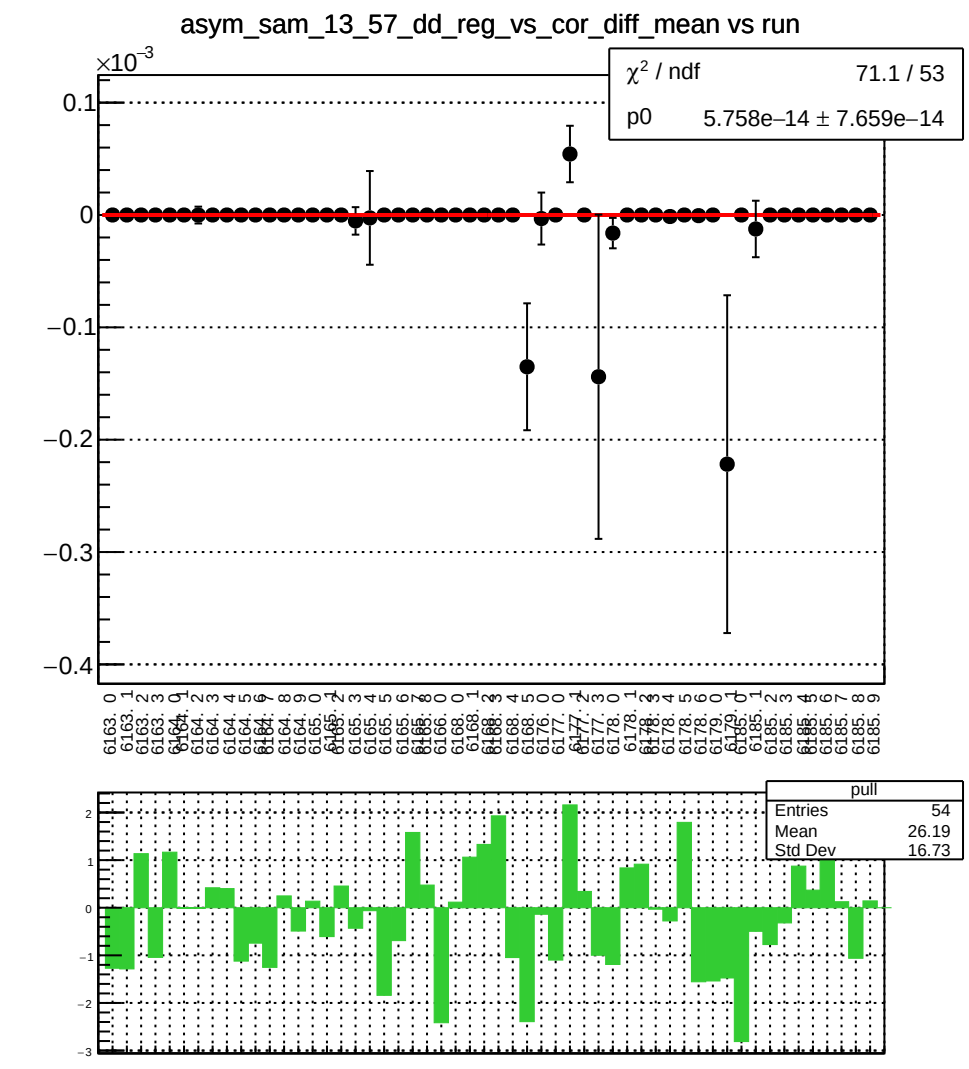

asym_sam_13_57_dd_eigen_dit_correction_mean vs run
χ² / ndf 47.29 / 53
p0 1608 ± 952.9
pull
Entries 54
Mean 31.66
Std Dev 31.24
pull1D
Entries 54
Mean 0.0214
Std Dev 0.9356

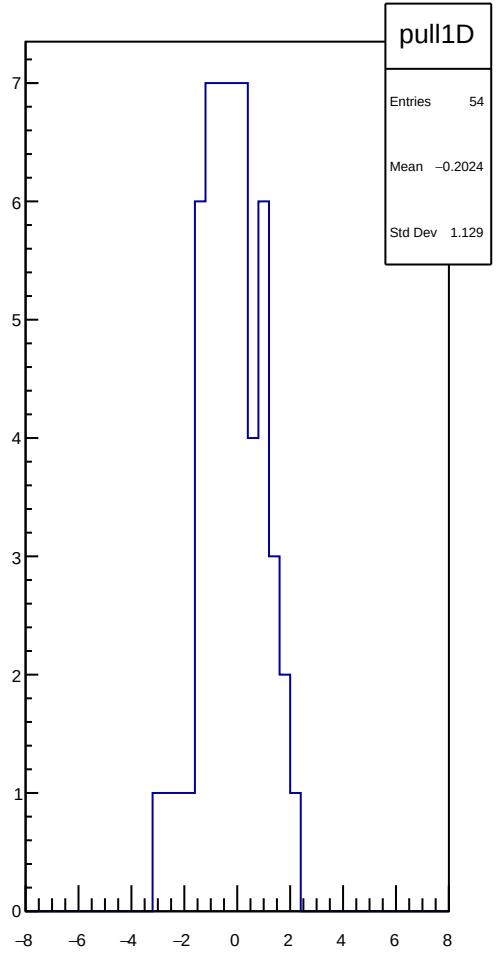

asym_sam_13_57_dd_eigen_dit_correction_rms vs run
χ² / ndf 1.975e+04 / 53
p0 678.2 ± 0.6738
900
850
800
750
700
650
600
550
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

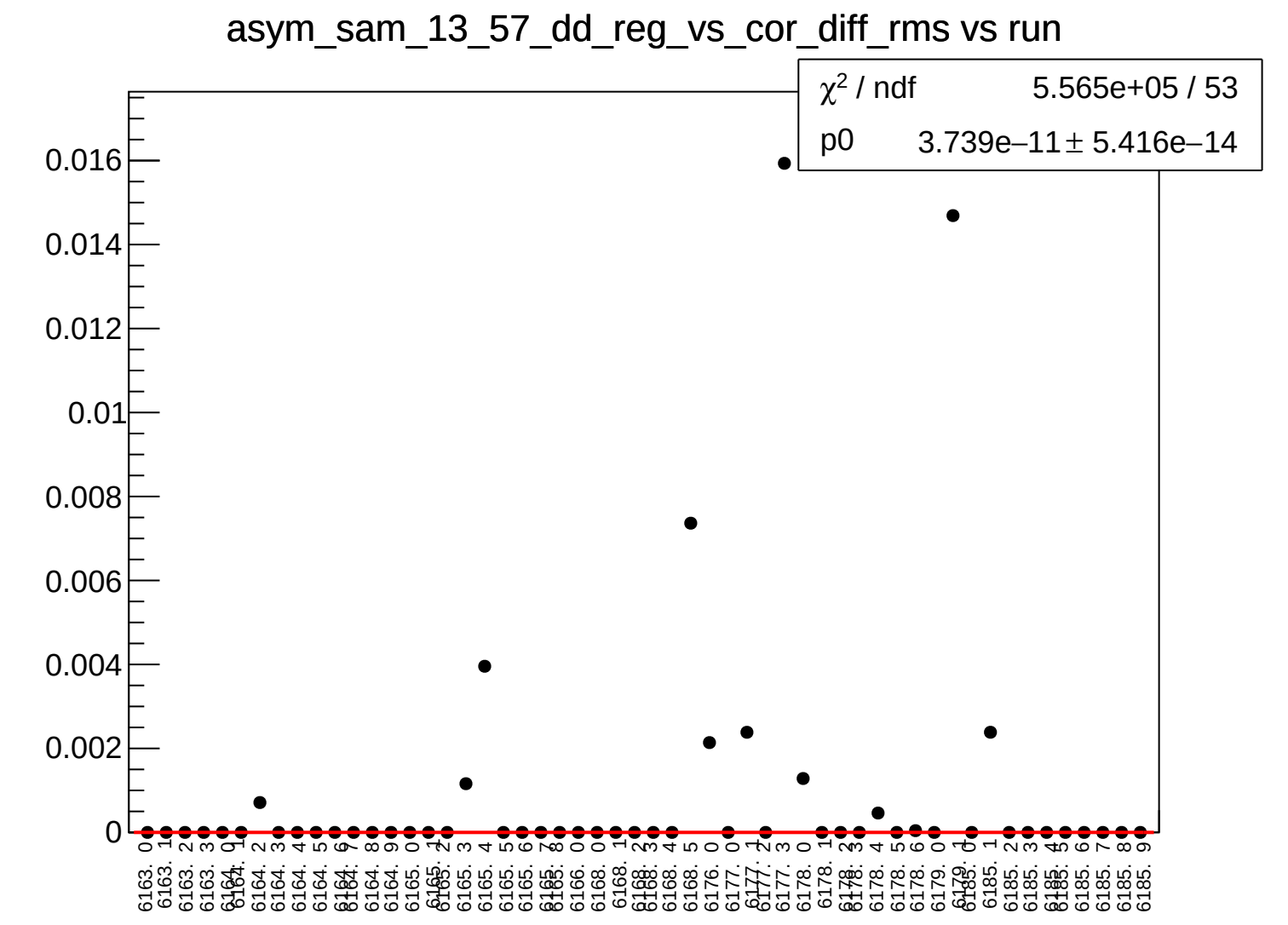

asym_sam_13_57_dd_mean vs run
χ² / ndf 48.89 / 53
p0 −1709 ± 966.8
pull
Entries 54
Mean 35.14
Std Dev 31.54

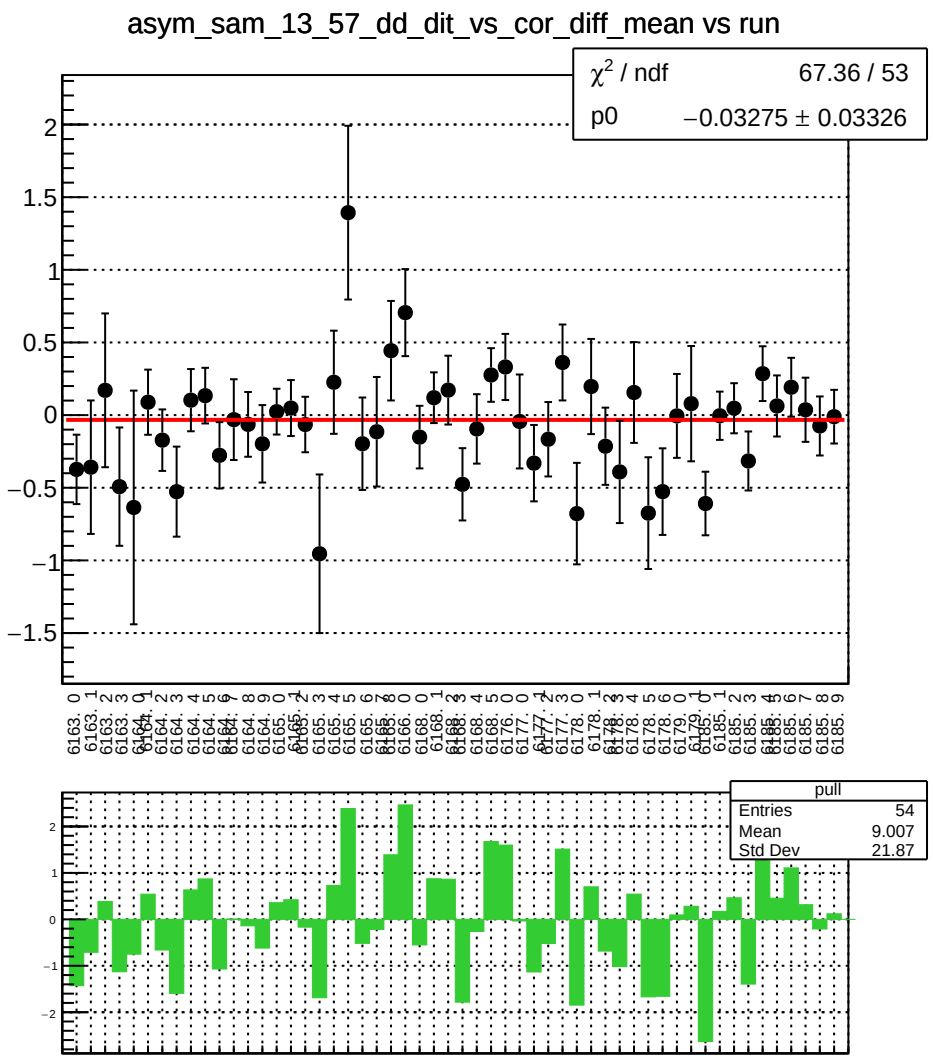

pull1D
Entries 54
Mean −0.01906
Std Dev 0.9513

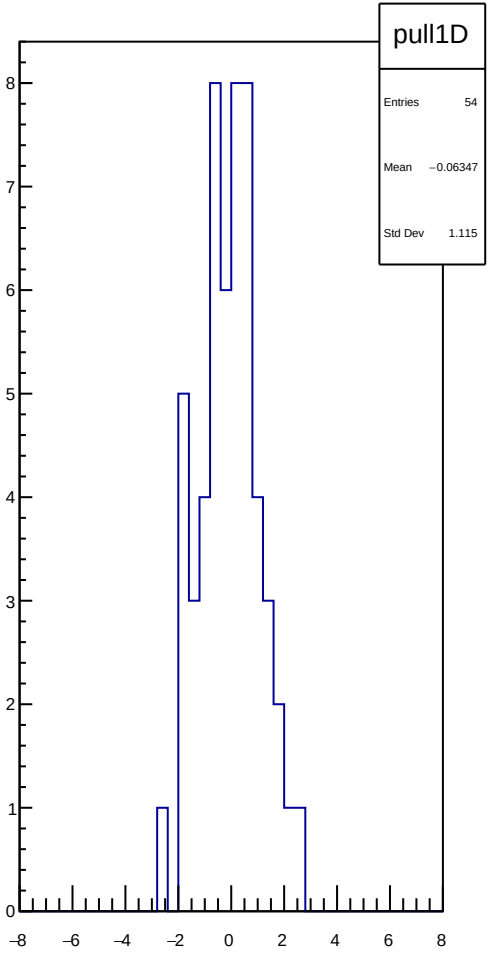

asym_sam_13_57_dd_rms vs run
χ² / ndf 2.182e+04 / 53
p0 687.5 ± 0.6837
900
850
800
750
700
650
600
550
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

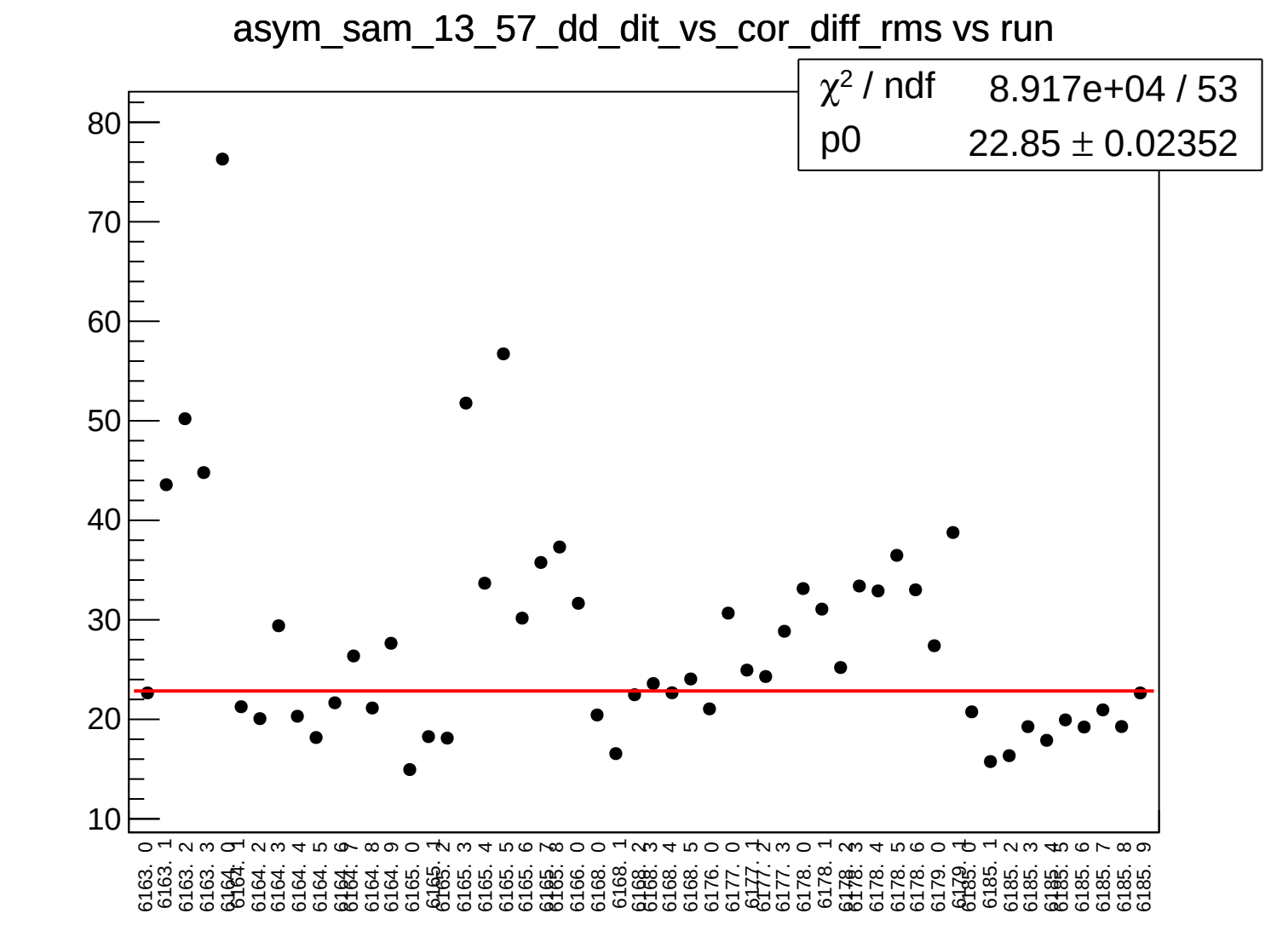

asym_sam_13_57_dd_reg_vs_cor_diff_mean vs run
×10^−3
χ² / ndf 71.1 / 53
p0 5.758e−14 ± 7.659e−14
pull
Entries 54
Mean 26.19
Std Dev 16.73

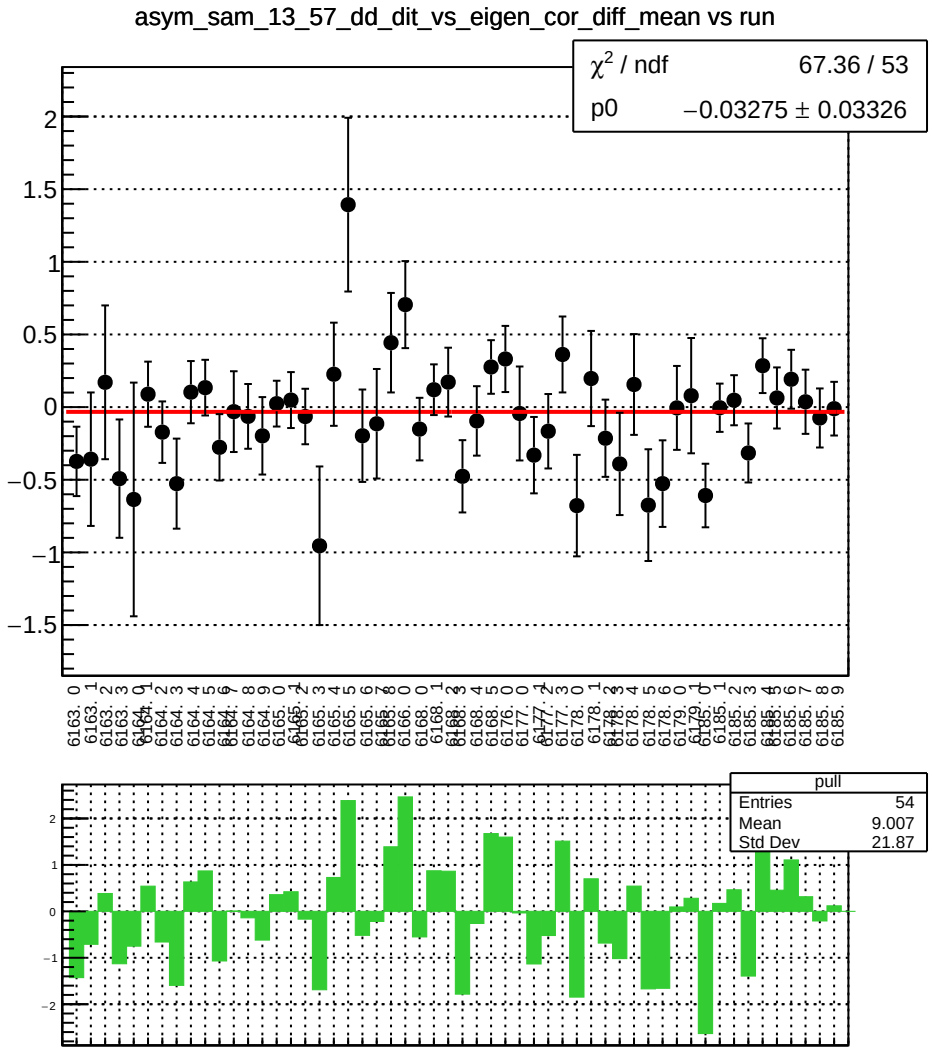

pull1D
Entries 54
Mean −0.2024
Std Dev 1.129

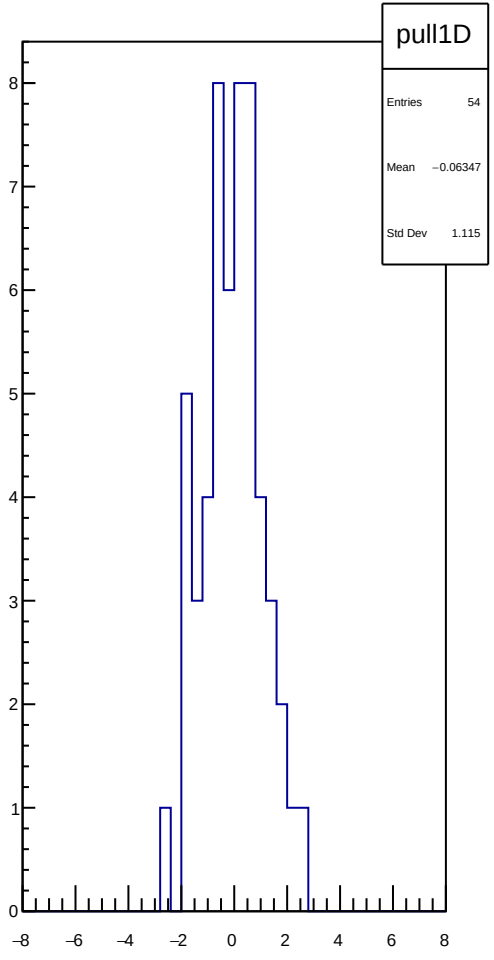

asym_sam_13_57_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.565e+05 / 53
p0 3.739e−11 ± 5.416e−14
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 6
6164. 7
6164. 8
6164. 9
6165. 0
6165. 1
6165. 2
6165. 3
6165. 4
6165. 5
6165. 6
6165. 7
6165. 8
6166. 0
6168. 0
6168. 1
6168. 2
6168. 3
6168. 4
6168. 5
6176. 0
6177. 0
6177. 1
6177. 2
6177. 3
6178. 0
6178. 1
6178. 2
6178. 3
6178. 4
6178. 5
6178. 6
6179. 0
6179. 1
6185. 0
6185. 1
6185. 2
6185. 3
6185. 4
6185. 5
6185. 6
6185. 7
6185. 8
6185. 9

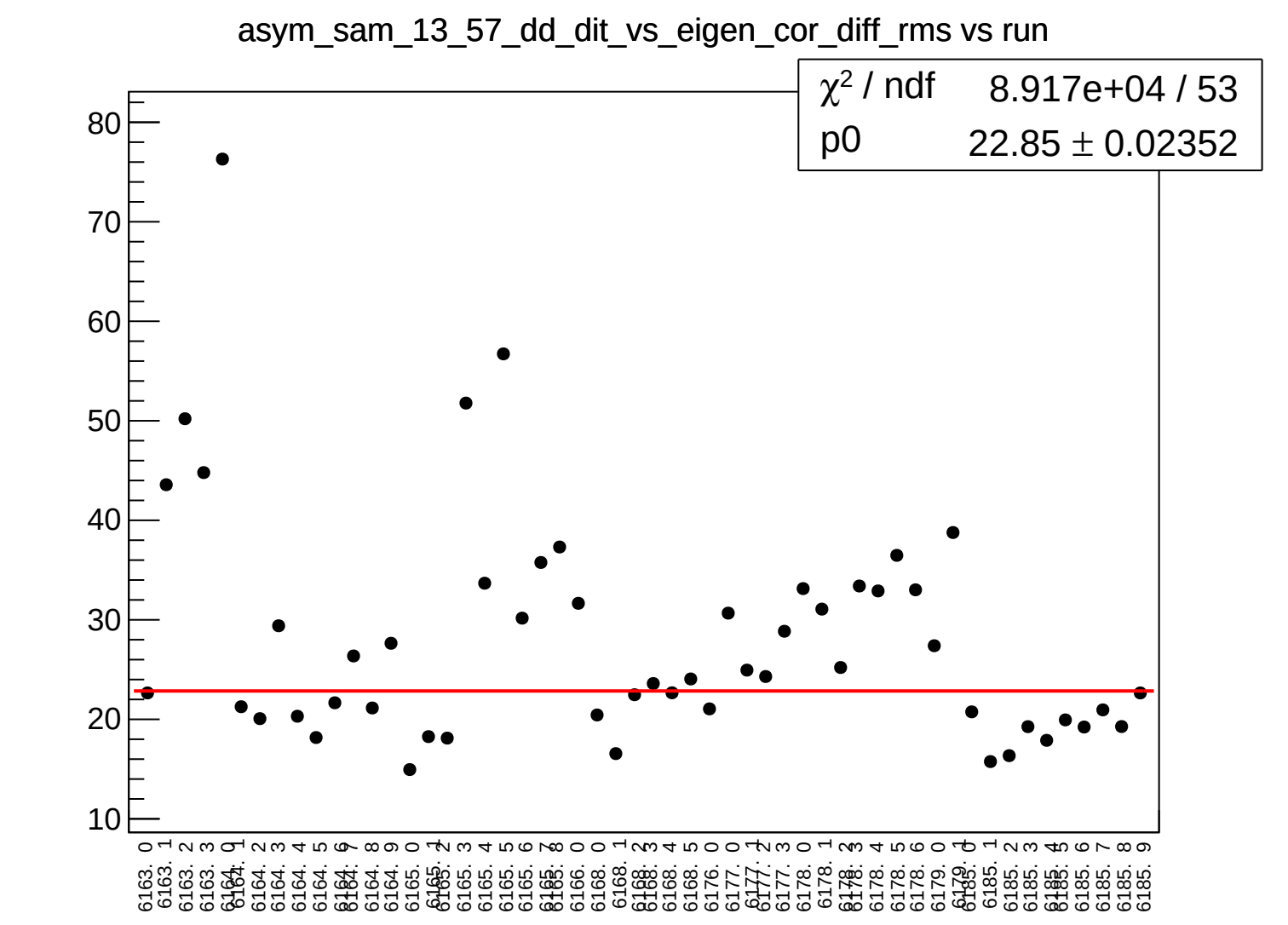

asym_sam_13_57_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 67.36 / 53
p0 −0.03275 ± 0.03326
pull
Entries 54
Mean 9.007
Std Dev 21.87

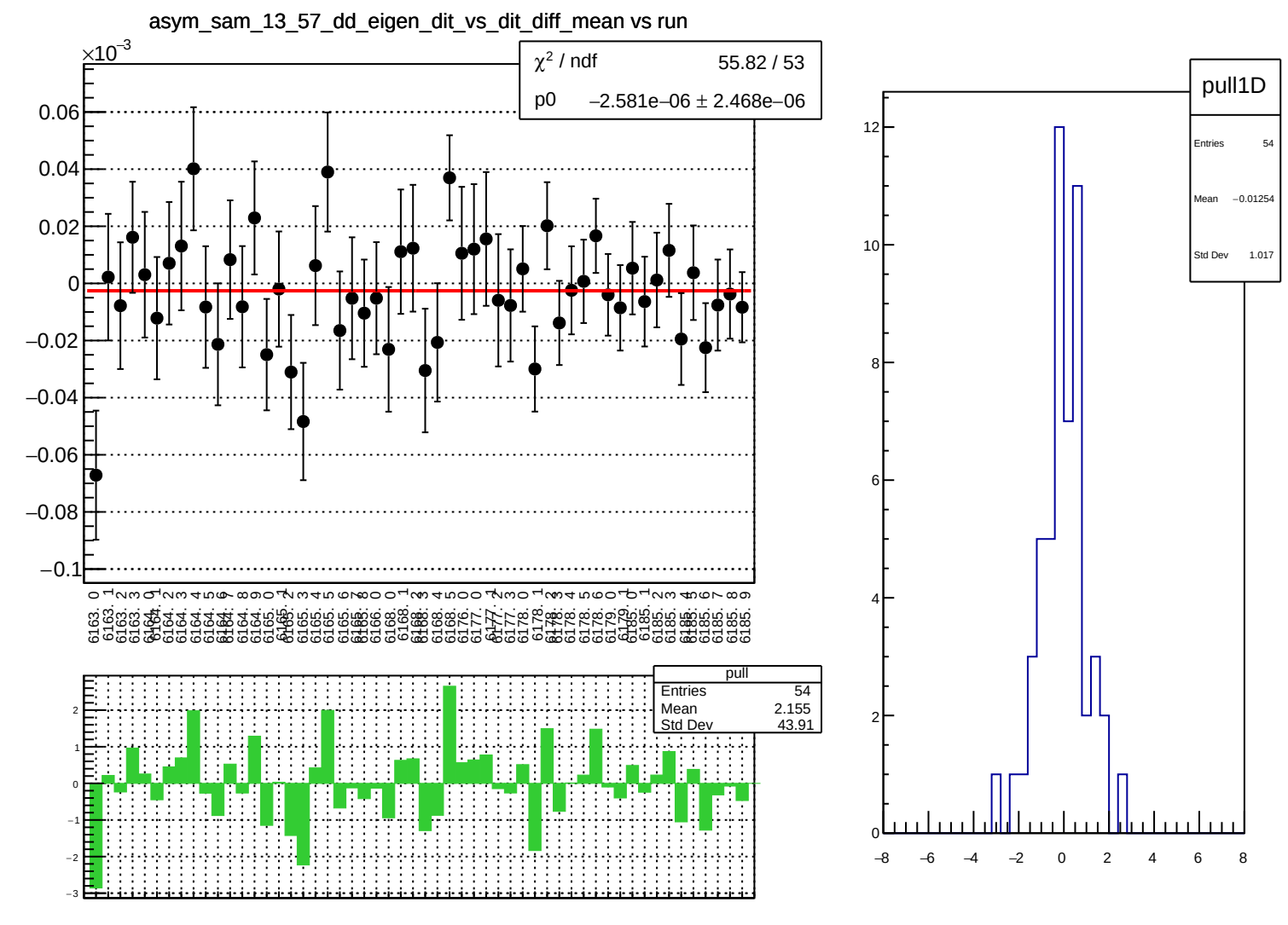

pull1D
Entries 54
Mean −0.06347
Std Dev 1.115

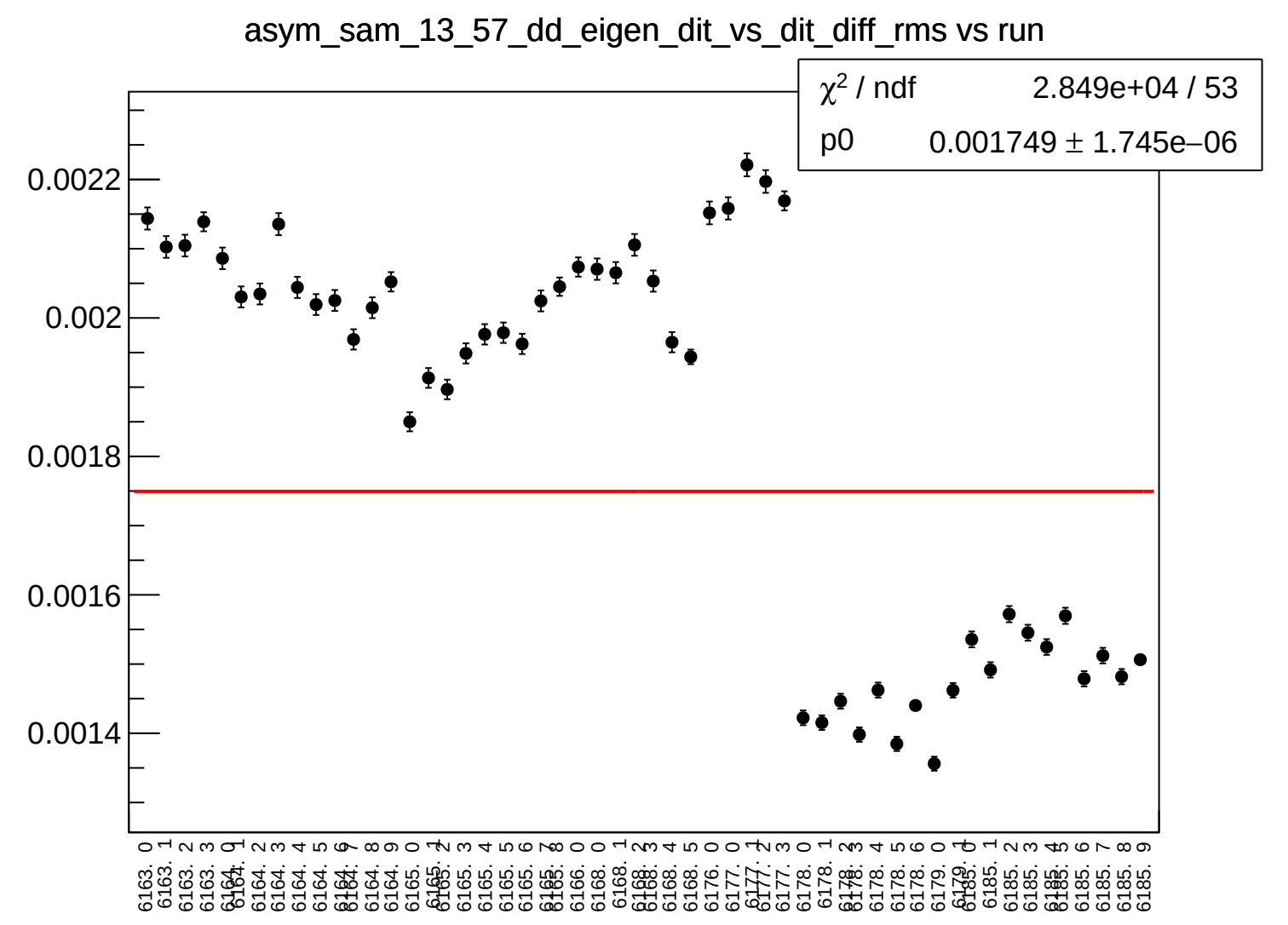

asym_sam_13_57_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 8.917e+04 / 53
p0 22.85 ± 0.02352
80
70
60
50
40
30
20
10
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

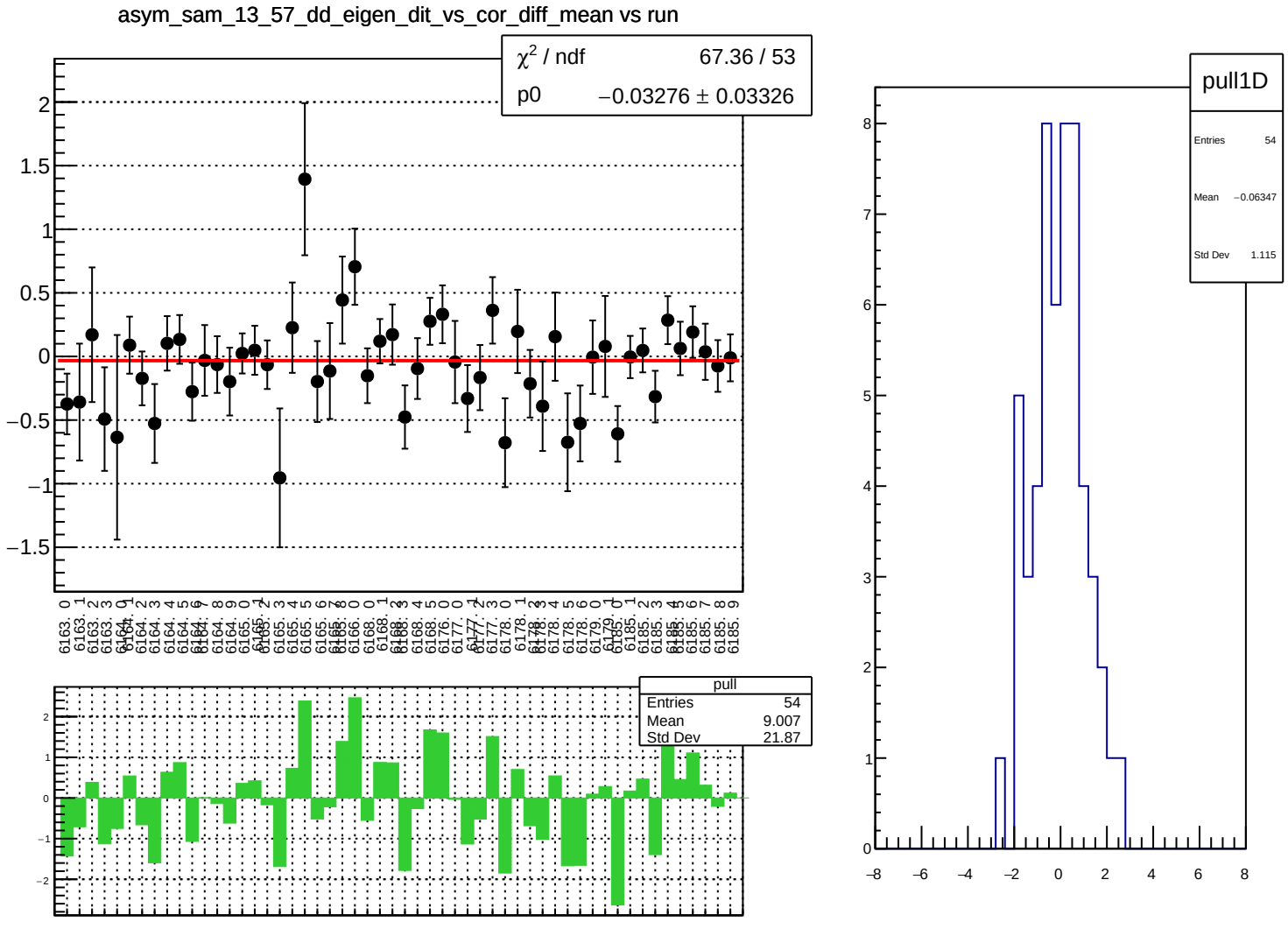

asym_sam_13_57_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 67.36 / 53
p0 −0.03275 ± 0.03326
pull
Entries 54
Mean 9.007
Std Dev 21.87

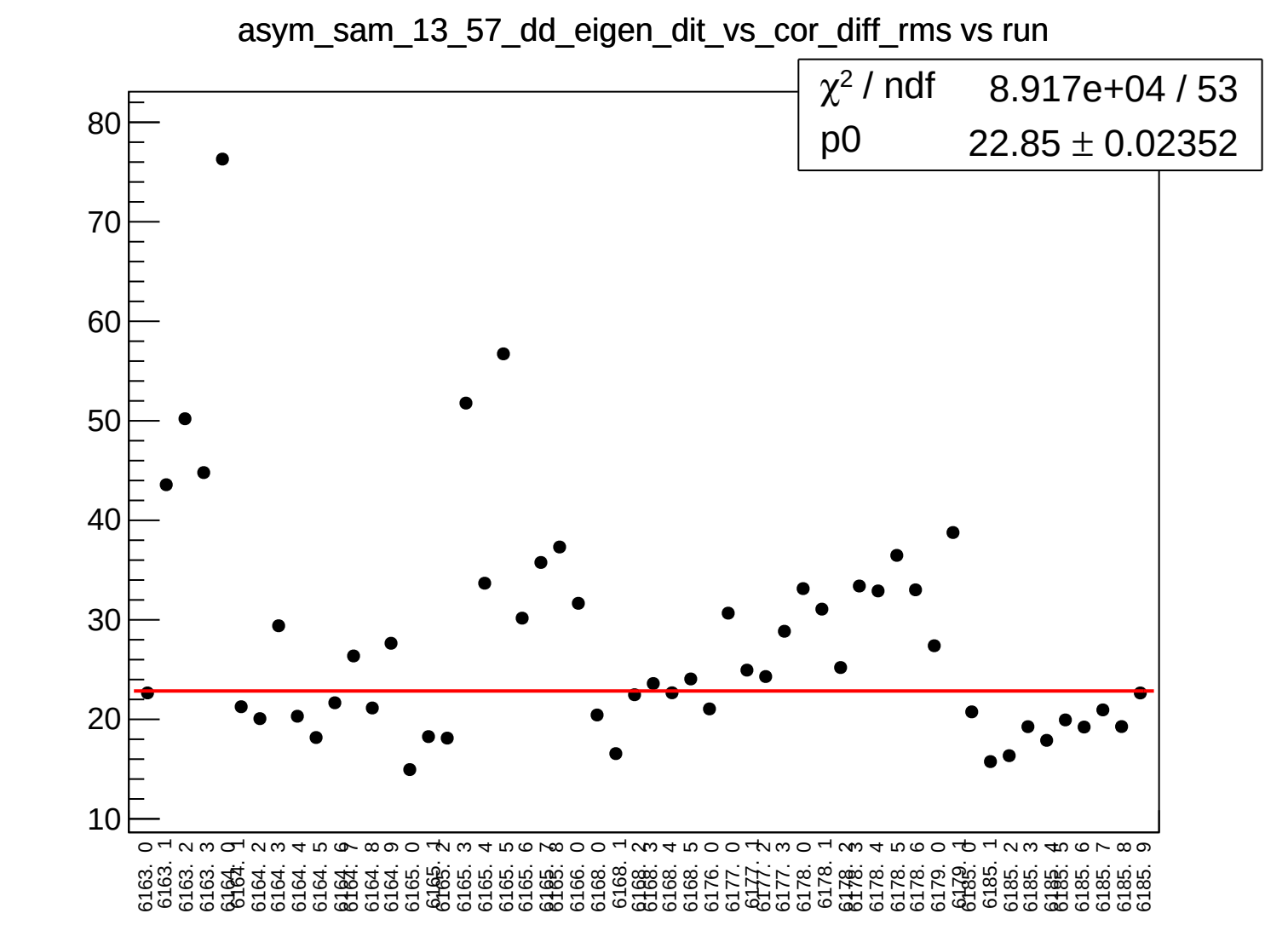

pull1D
Entries 54
Mean −0.06347
Std Dev 1.115

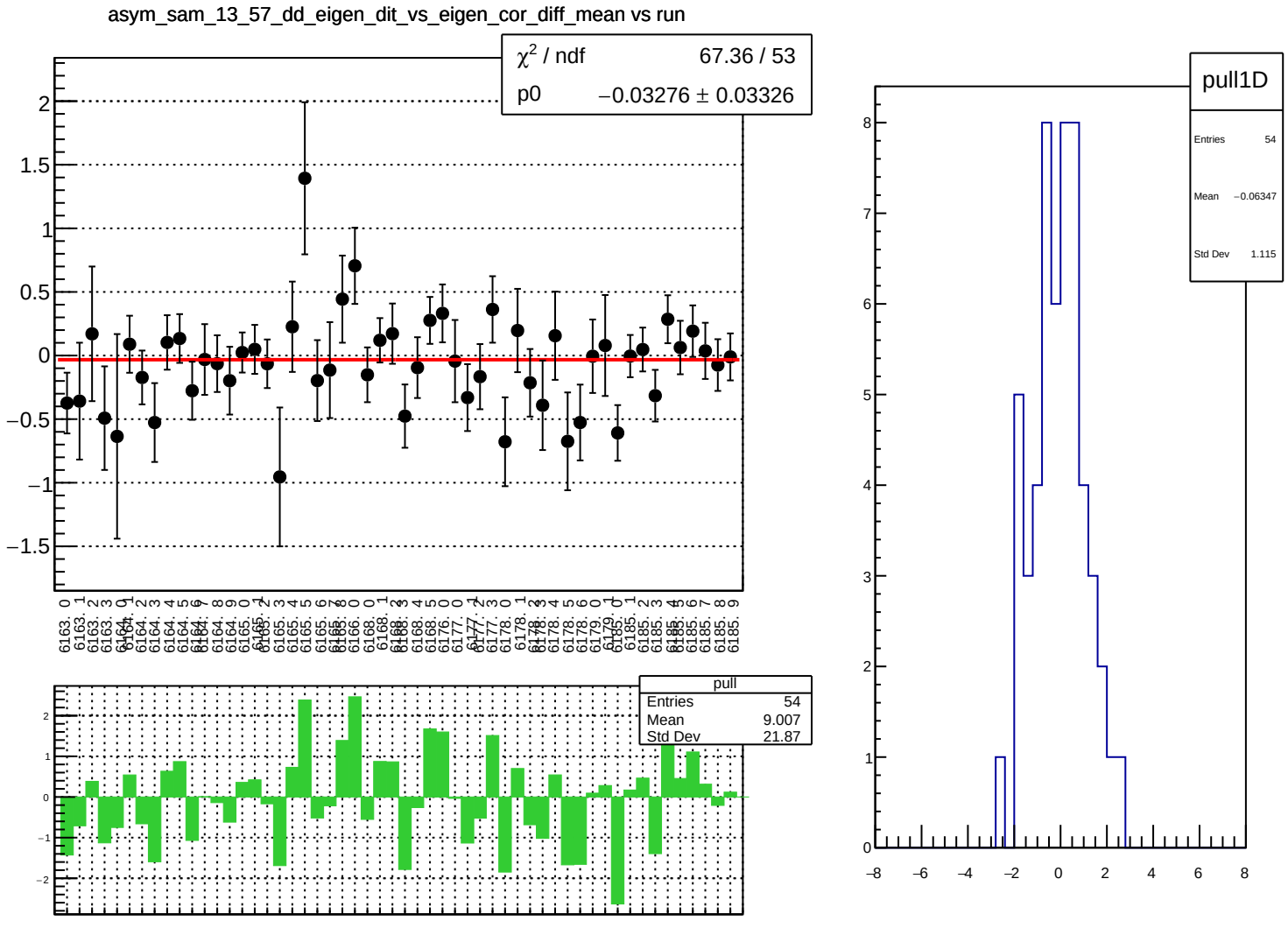

asym_sam_13_57_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.917e+04 / 53
p0 22.85 ± 0.02352
80
70
60
50
40
30
20
10
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

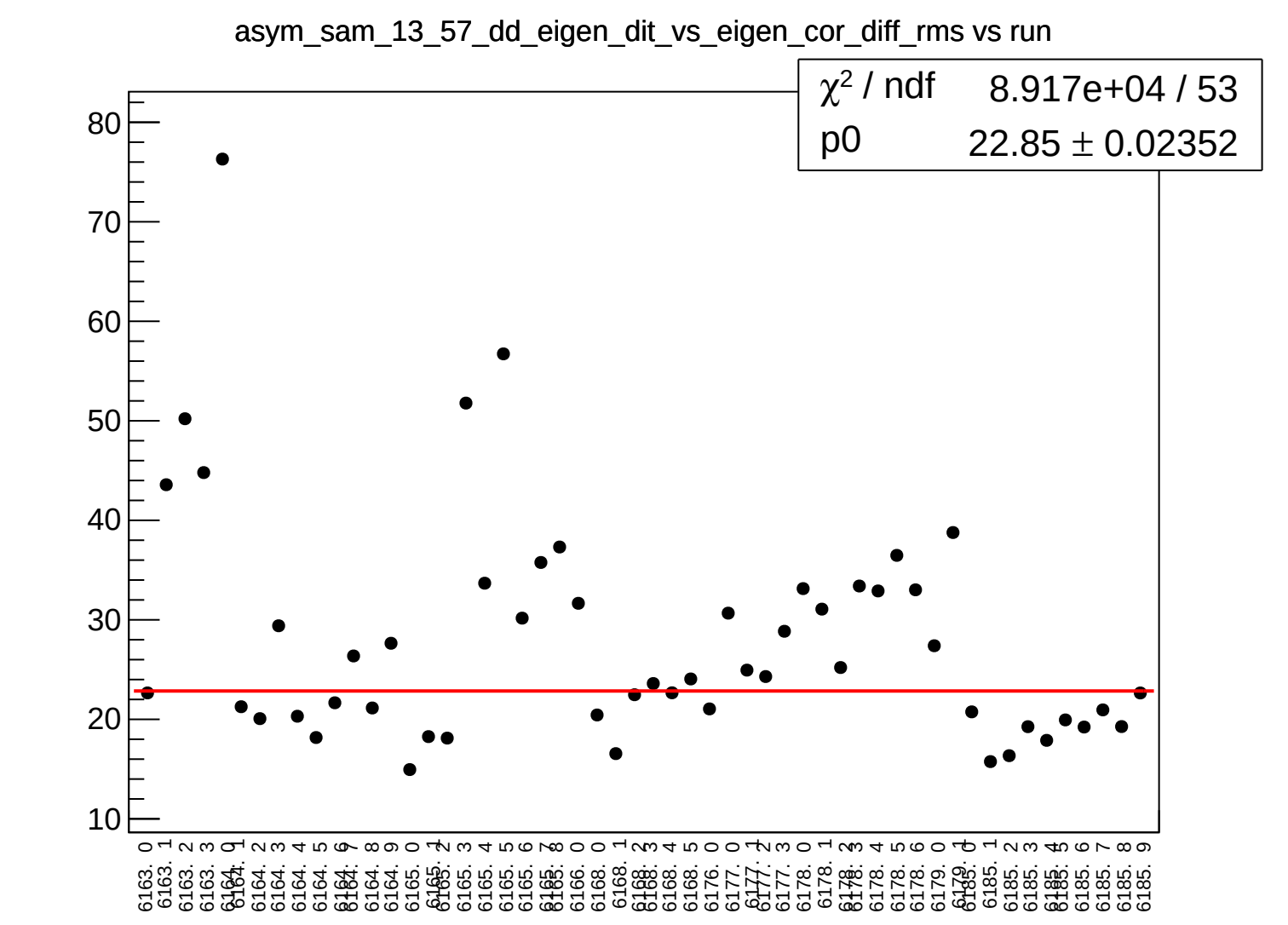

asym_sam_13_57_dd_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 55.82 / 53
p0 −2.581e−06 ± 2.468e−06
pull
Entries 54
Mean 2.155
Std Dev 43.91
pull1D
Entries 54
Mean −0.01254
Std Dev 1.017


asym_sam_13_57_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.849e+04 / 53
p0 0.001749 ± 1.745e−06
0.0022
0.002
0.0018
0.0016
0.0014
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


asym_sam_13_57_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 67.36 / 53
p0 −0.03276 ± 0.03326
pull
Entries 54
Mean 9.007
Std Dev 21.87
pull1D
Entries 54
Mean −0.06347
Std Dev 1.115


asym_sam_13_57_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 8.917e+04 / 53
p0 22.85 ± 0.02352
80
70
60
50
40
30
20
10
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 67.36 / 53
p0 −0.03276 ± 0.03326
pull
Entries 54
Mean 9.007
Std Dev 21.87
pull1D
Entries 54
Mean −0.06347
Std Dev 1.115


asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.917e+04 / 53
p0 22.85 ± 0.02352
80
70
60
50
40
30
20
10
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
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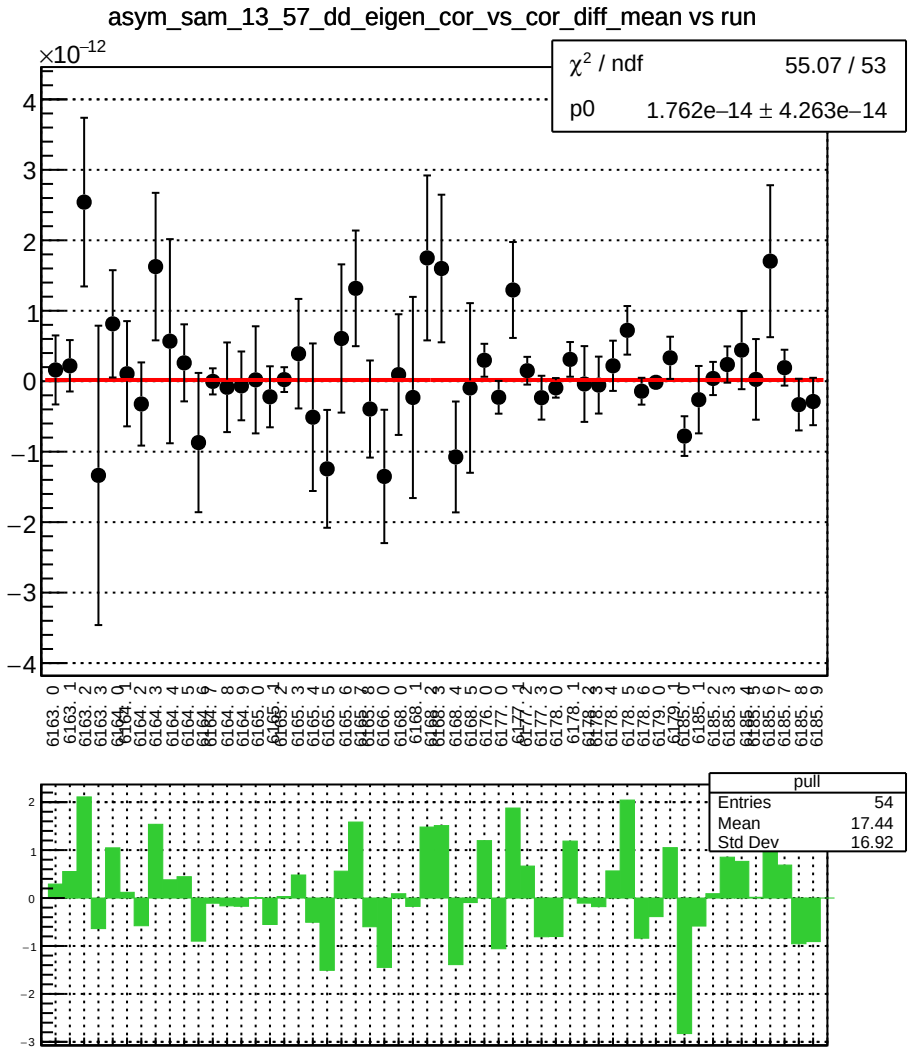
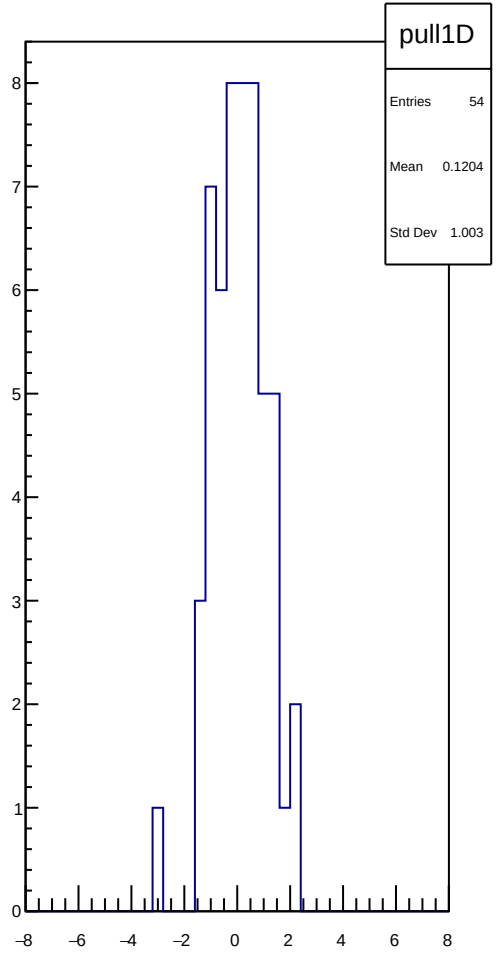
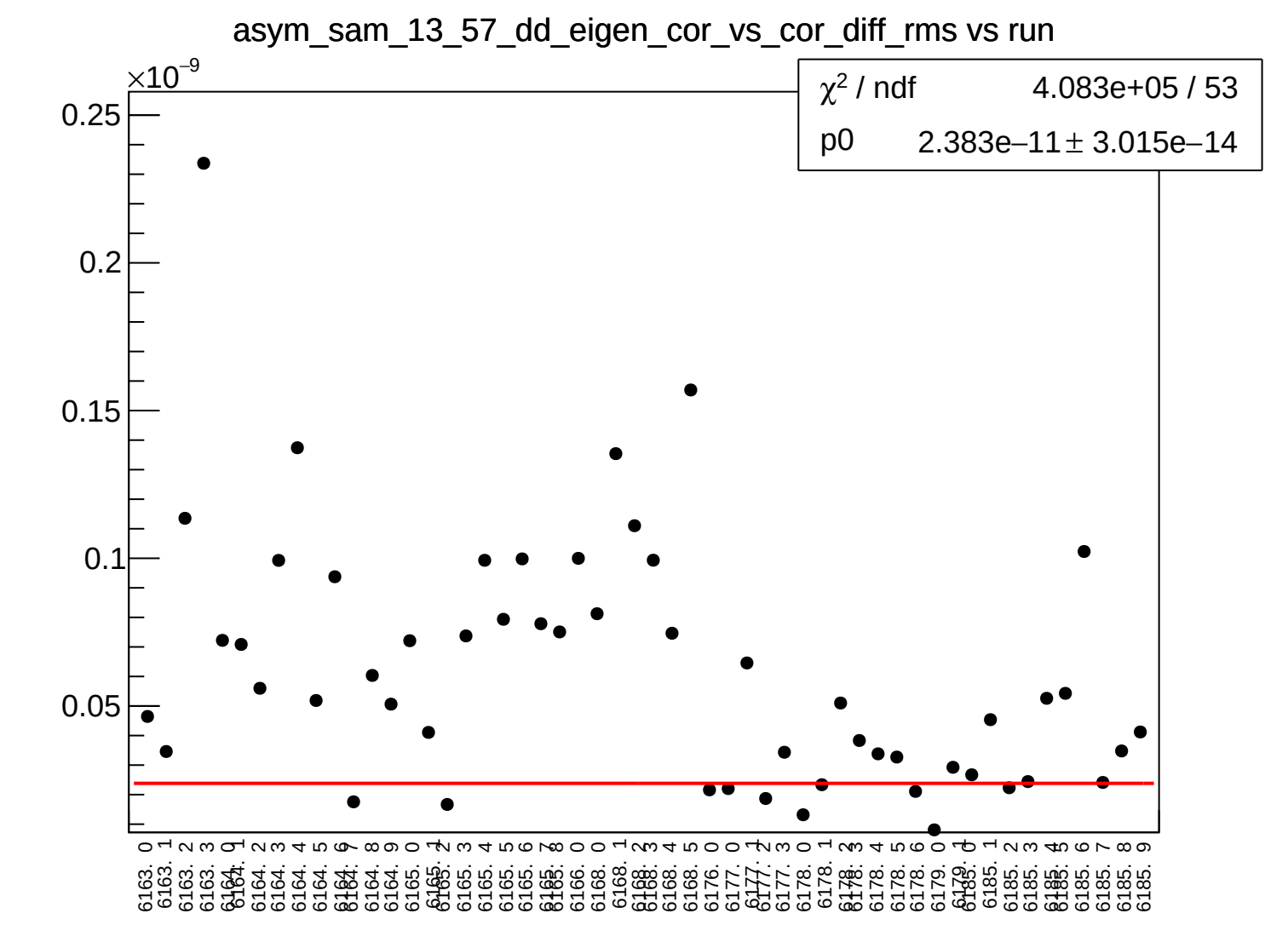
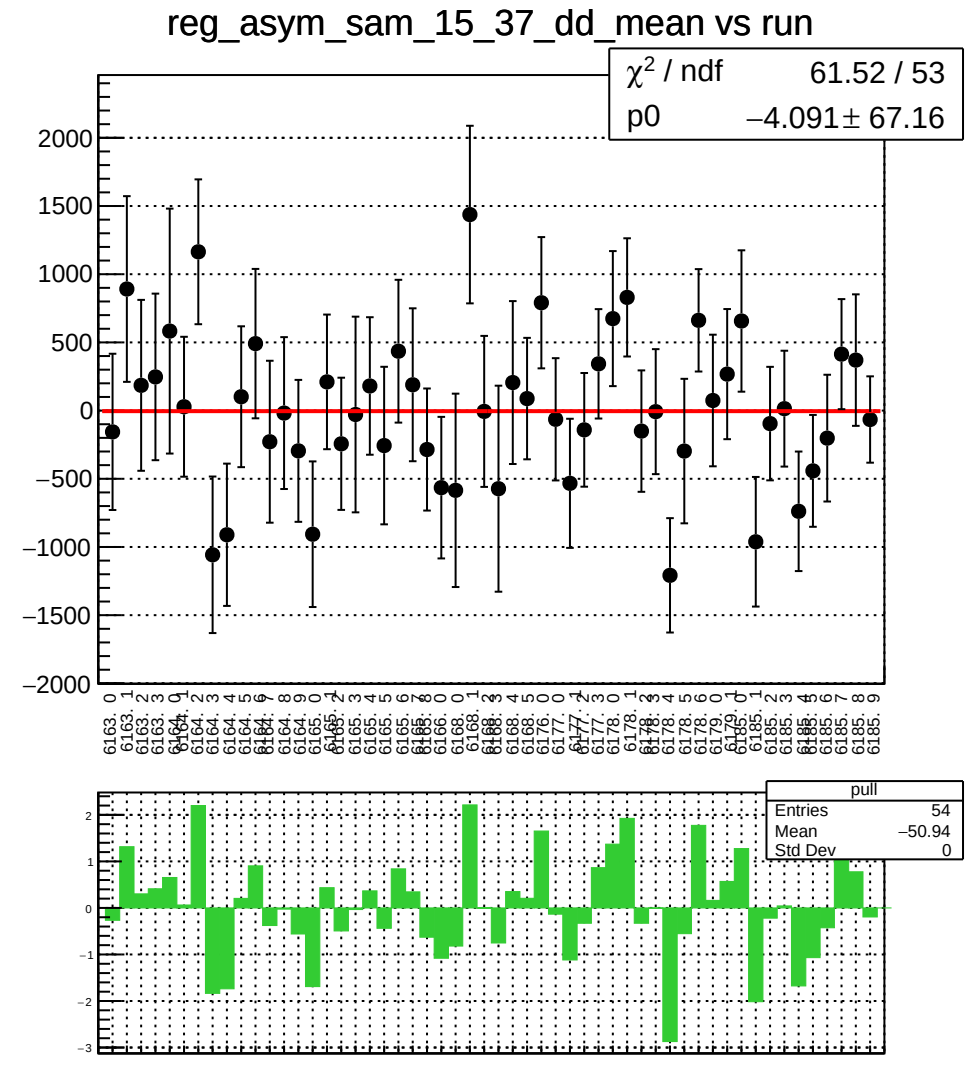
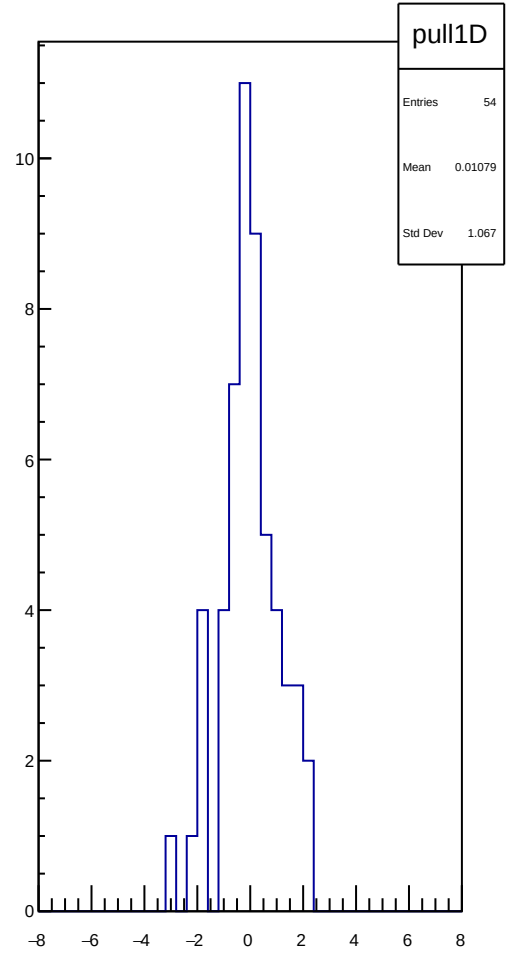
6185. 8
6185. 9

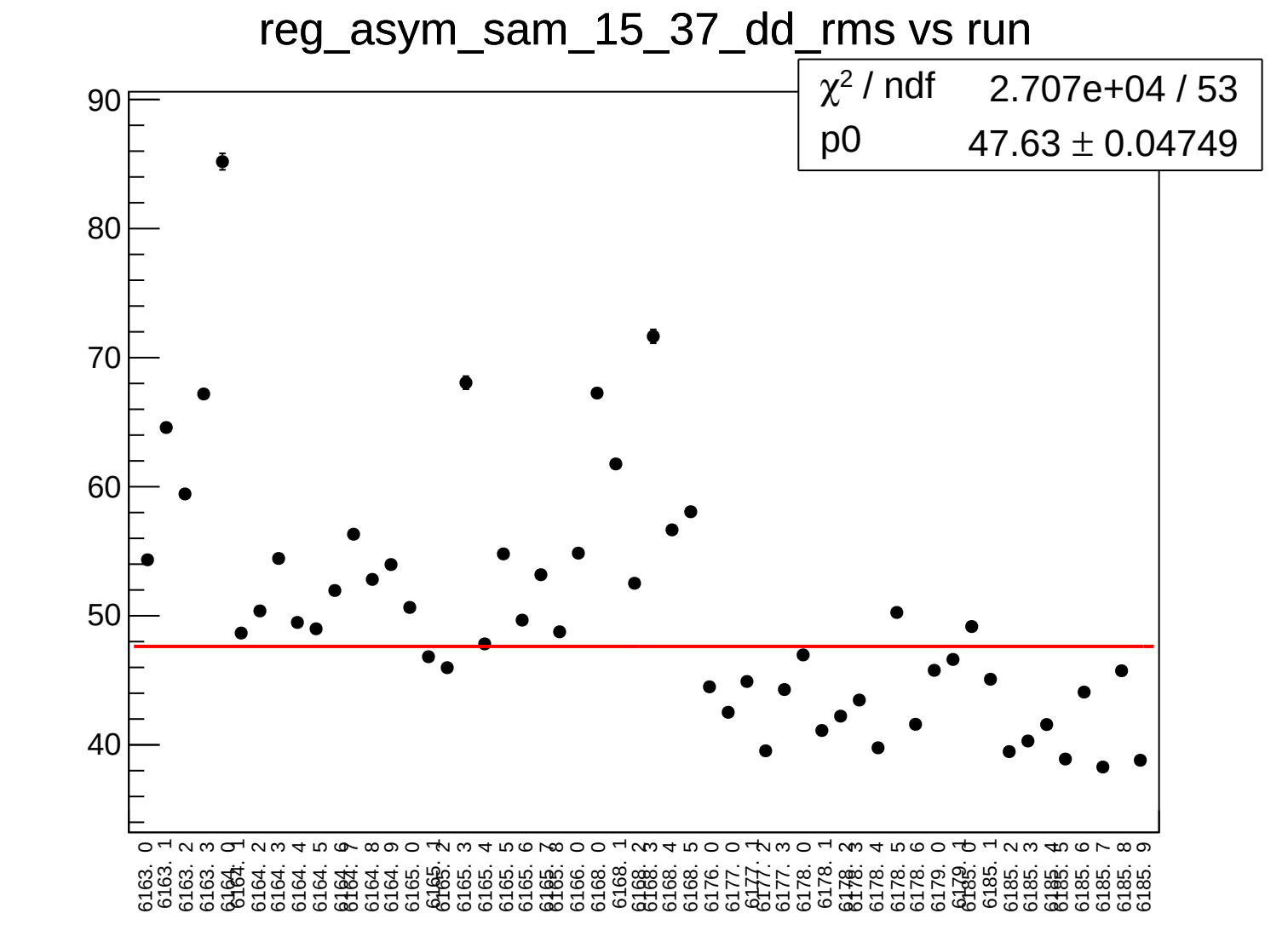

asym_sam_13_57_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 55.07 / 53
p0 1.762e−14 ± 4.263e−14
pull
Entries 54
Mean 17.44
Std Dev 16.92

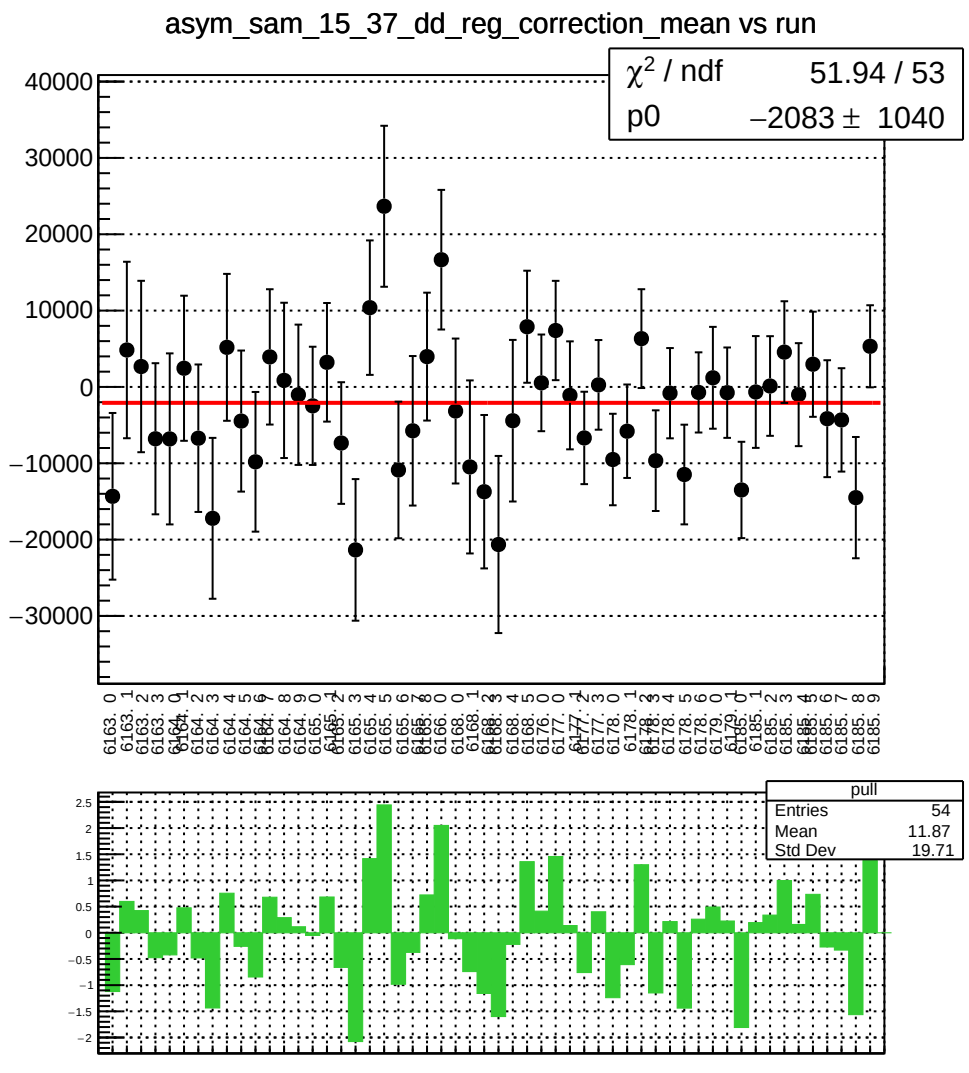

pull1D
Entries 54
Mean 0.1204
Std Dev 1.003

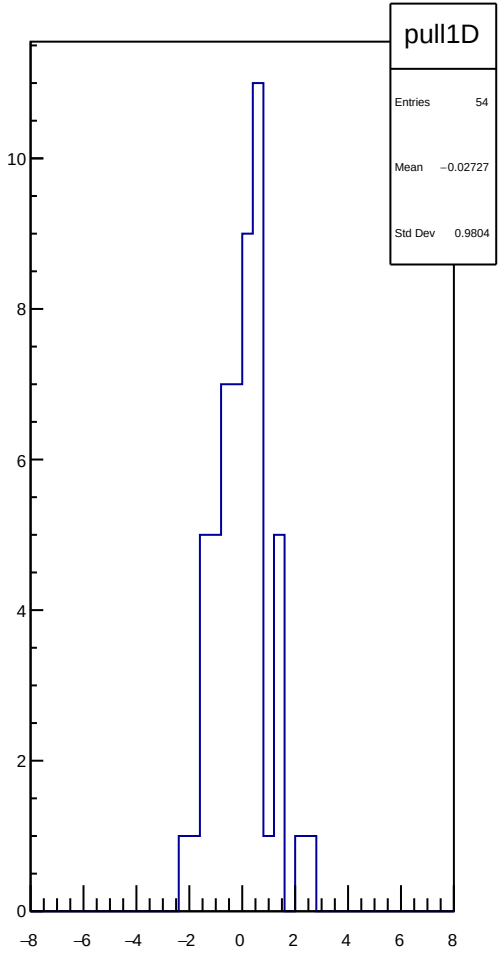

asym_sam_13_57_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.083e+05 / 53
p0 2.383e−11 ± 3.015e−14
0.25
0.2
0.15
0.1
0.05
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

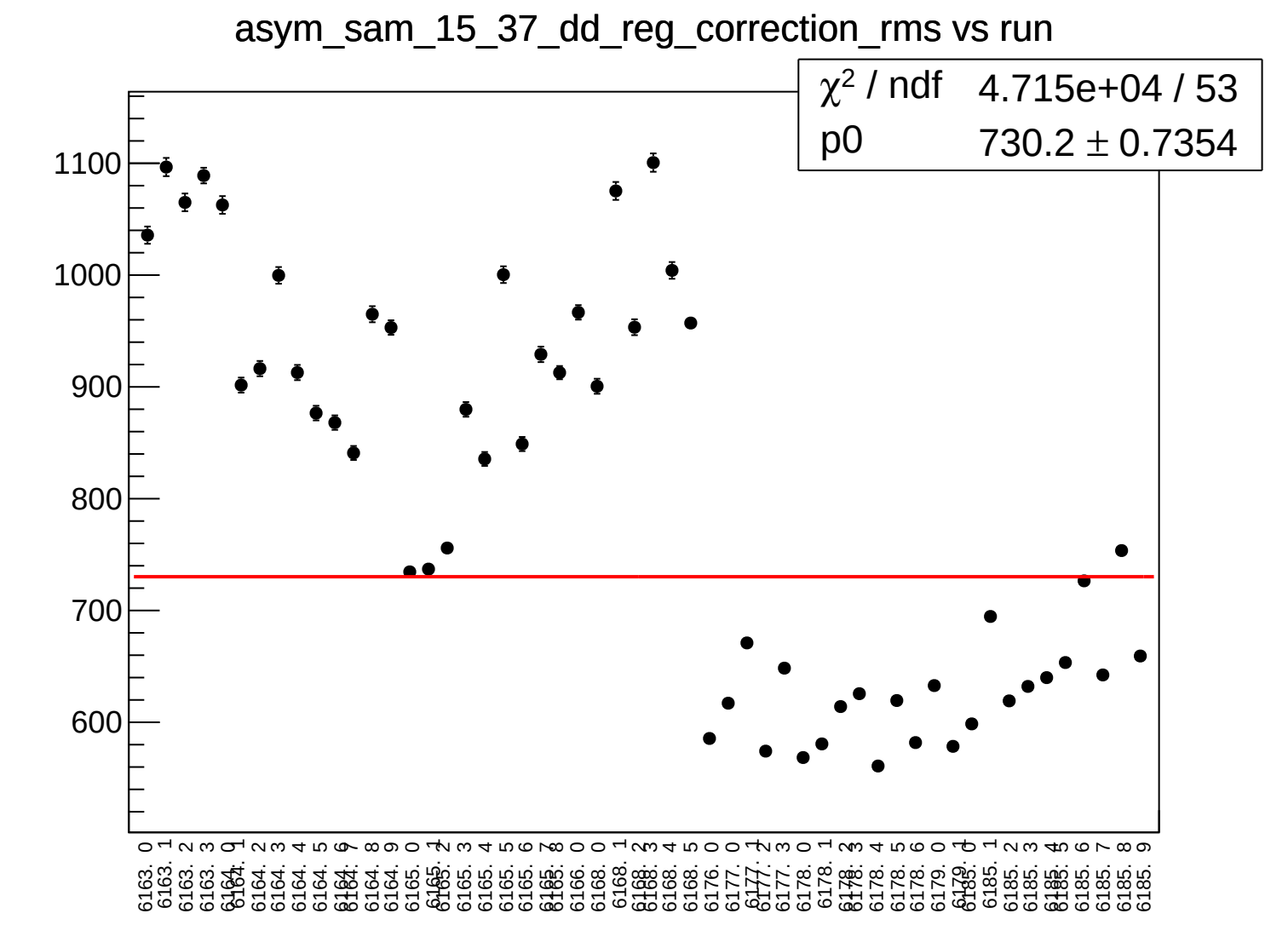

reg_asym_sam_15_37_dd_mean vs run
χ² / ndf 61.52 / 53
p0 −4.091 ± 67.16
pull
Entries 54
Mean −50.94
Std Dev 0

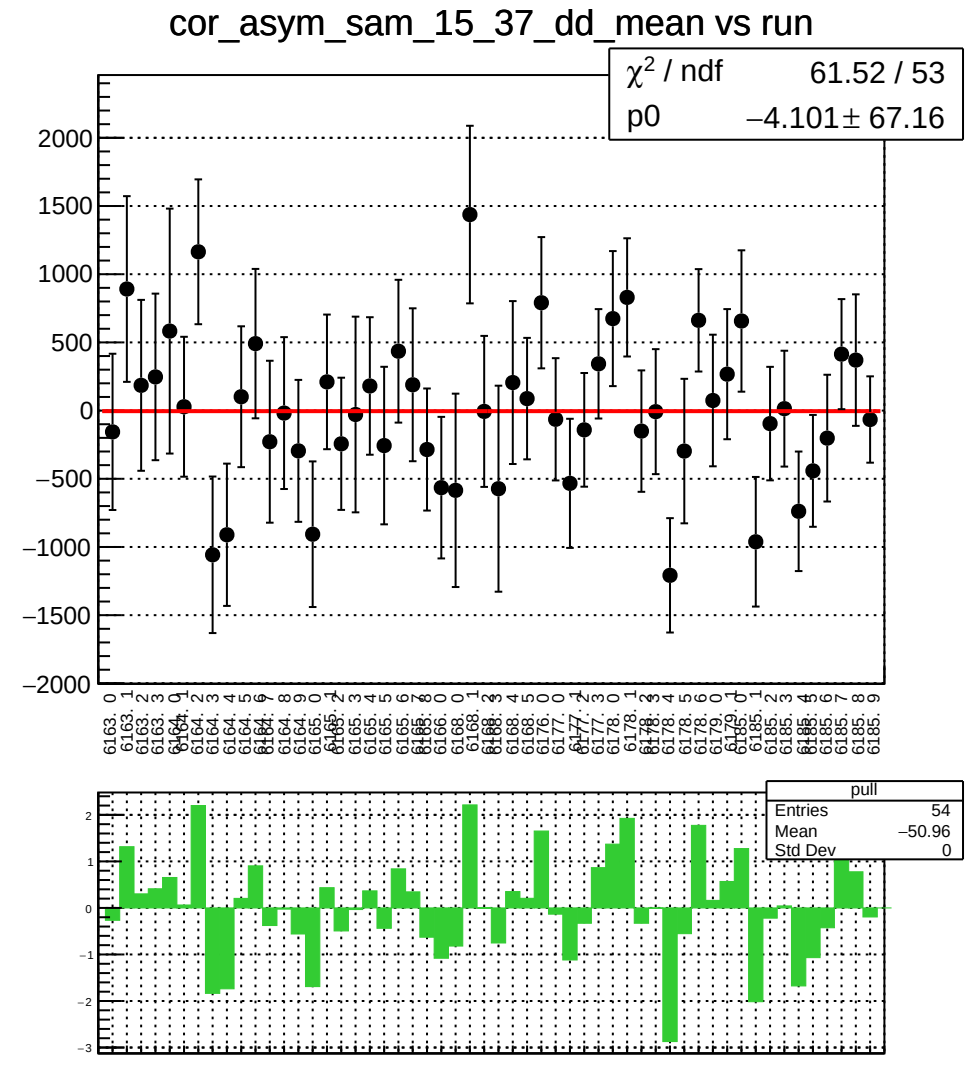

pull1D
Entries 54
Mean 0.01079
Std Dev 1.067

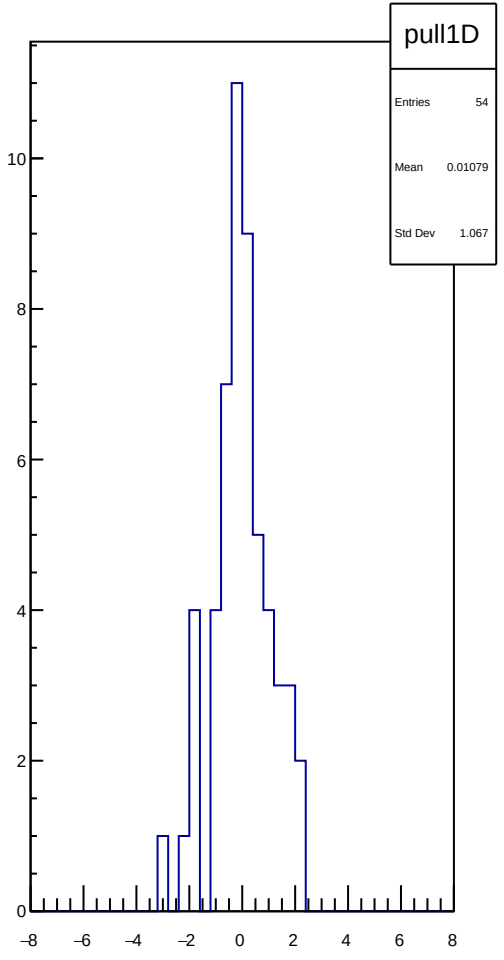

reg_asym_sam_15_37_dd_rms vs run
χ² / ndf 2.707e+04 / 53
p0 47.63 ± 0.04749
90
80
70
60
50
40
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

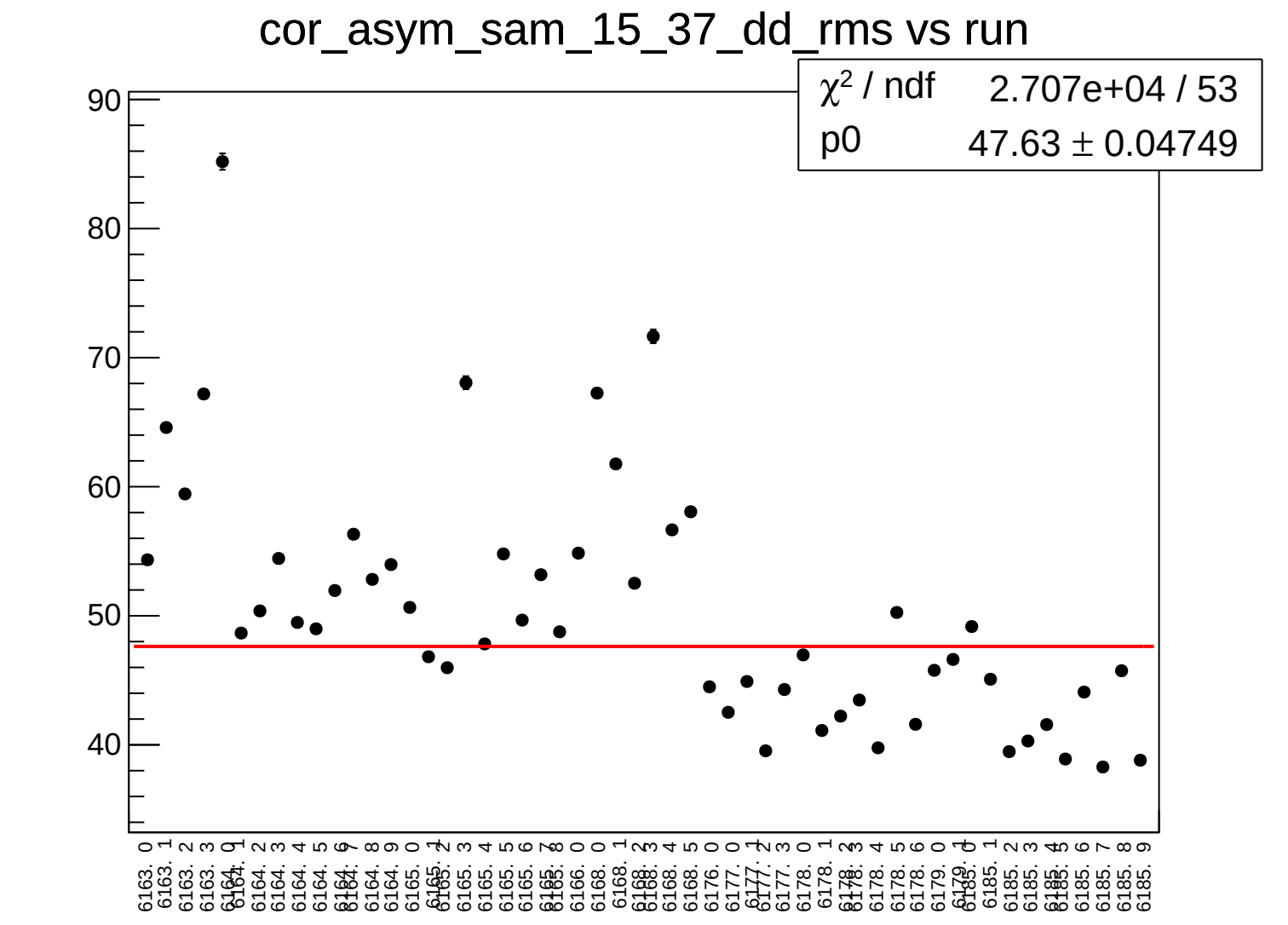

asym_sam_15_37_dd_reg_correction_mean vs run
χ² / ndf 51.94 / 53
p0 −2083 ± 1040
pull
Entries 54
Mean 11.87
Std Dev 19.71

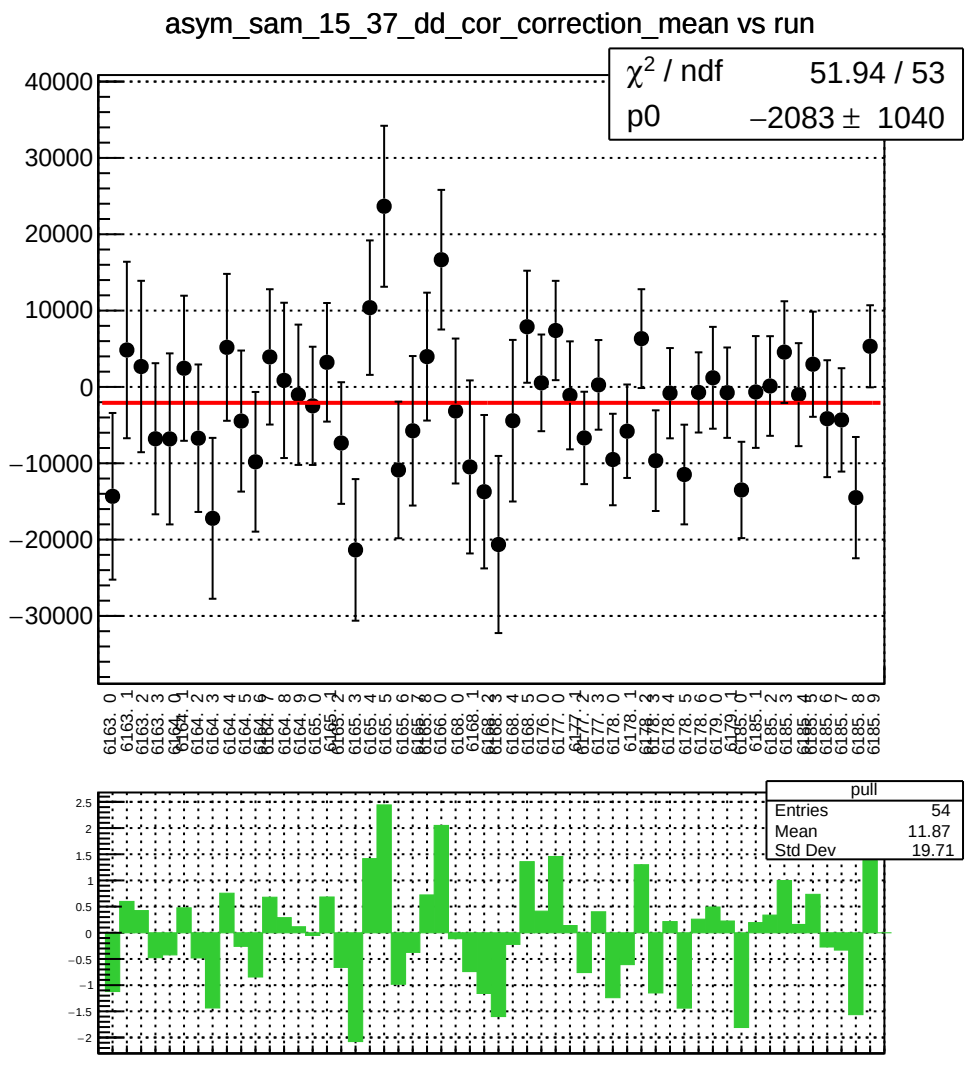

pull1D
Entries 54
Mean −0.02727
Std Dev 0.9804

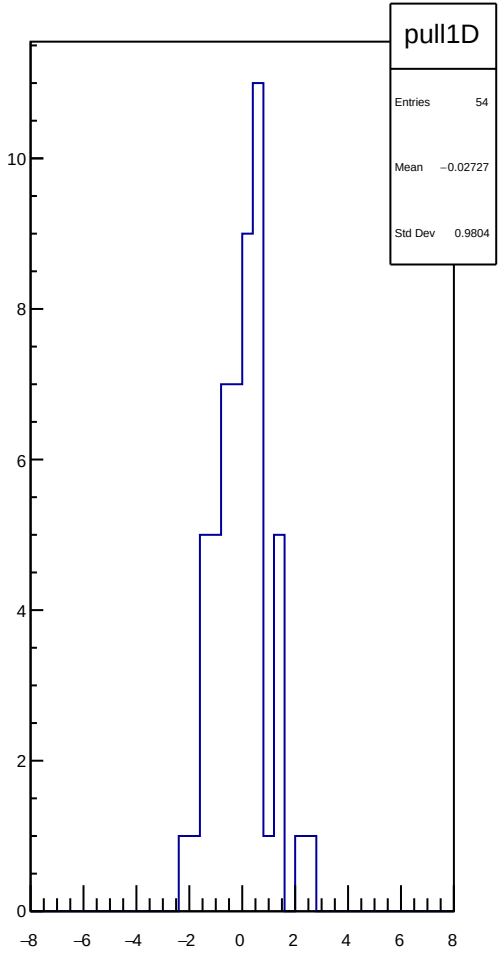

asym_sam_15_37_dd_reg_correction_rms vs run
χ² / ndf 4.715e+04 / 53
p0 730.2 ± 0.7354
1100
1000
900
800
700
600
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

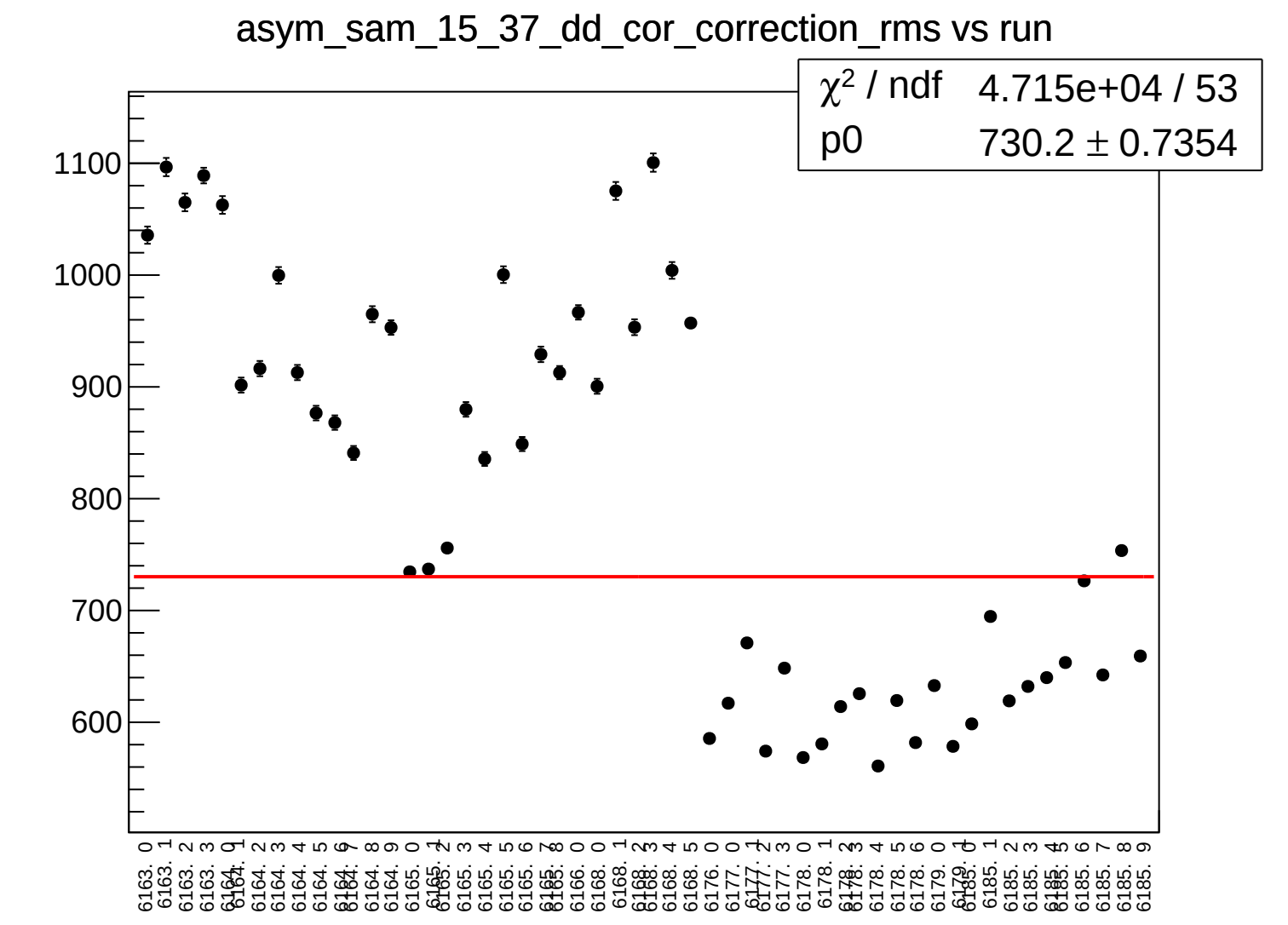

cor_asym_sam_15_37_dd_mean vs run
χ² / ndf 61.52 / 53
p0 −4.101 ± 67.16
pull
Entries 54
Mean −50.96
Std Dev 0

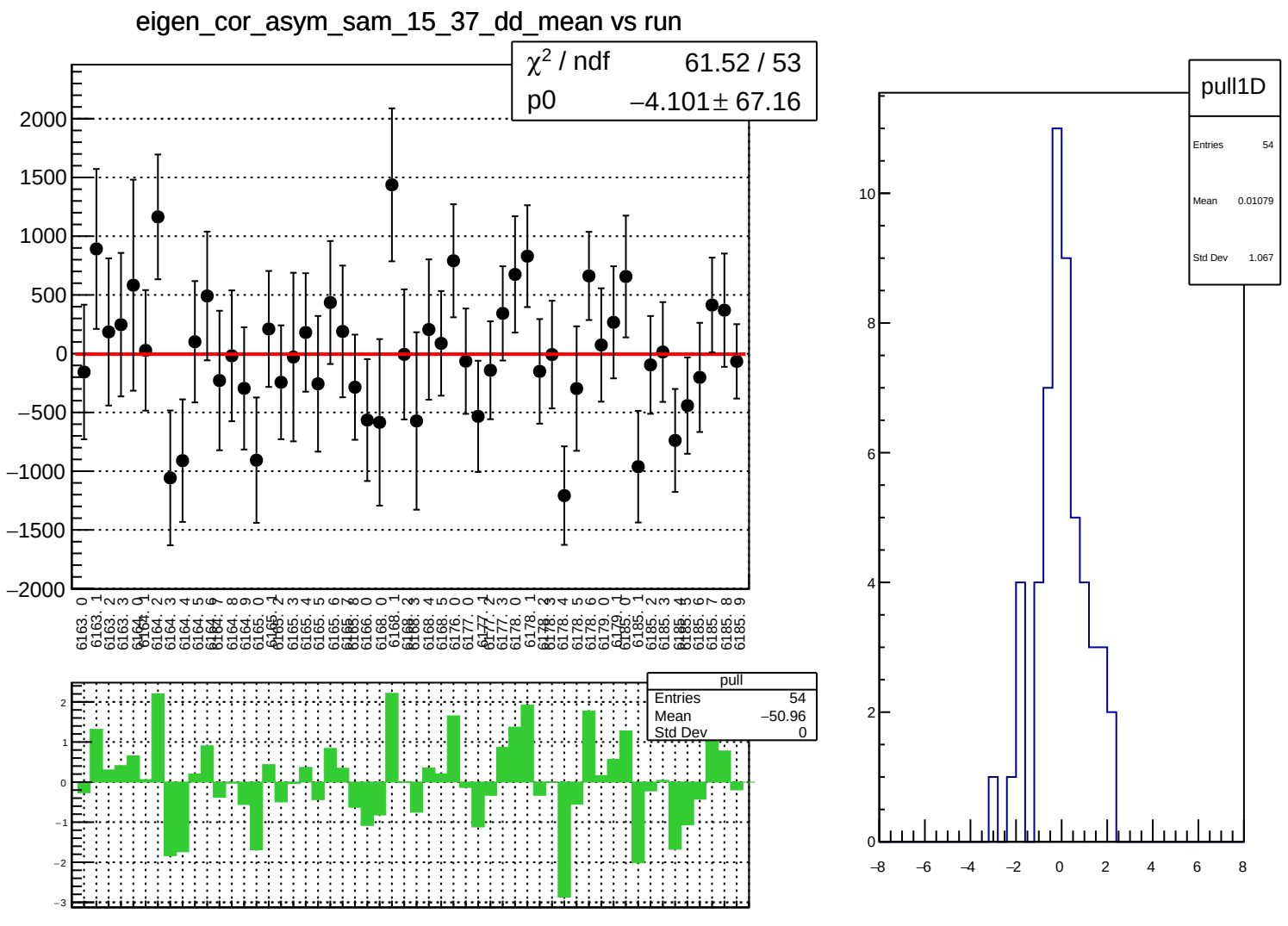

pull1D
Entries 54
Mean 0.01079
Std Dev 1.067

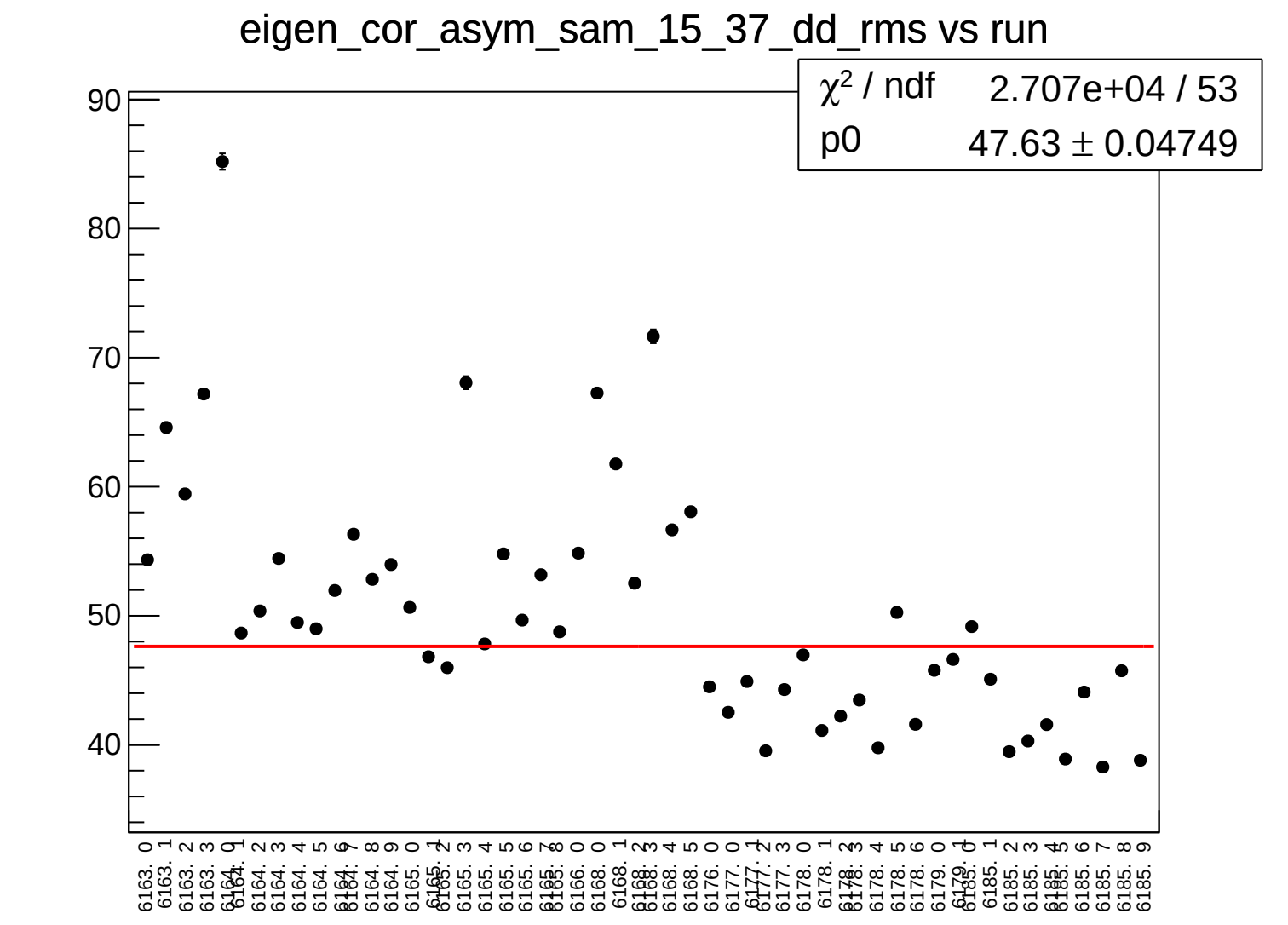

cor_asym_sam_15_37_dd_rms vs run
χ² / ndf 2.707e+04 / 53
p0 47.63 ± 0.04749
90
80
70
60
50
40
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

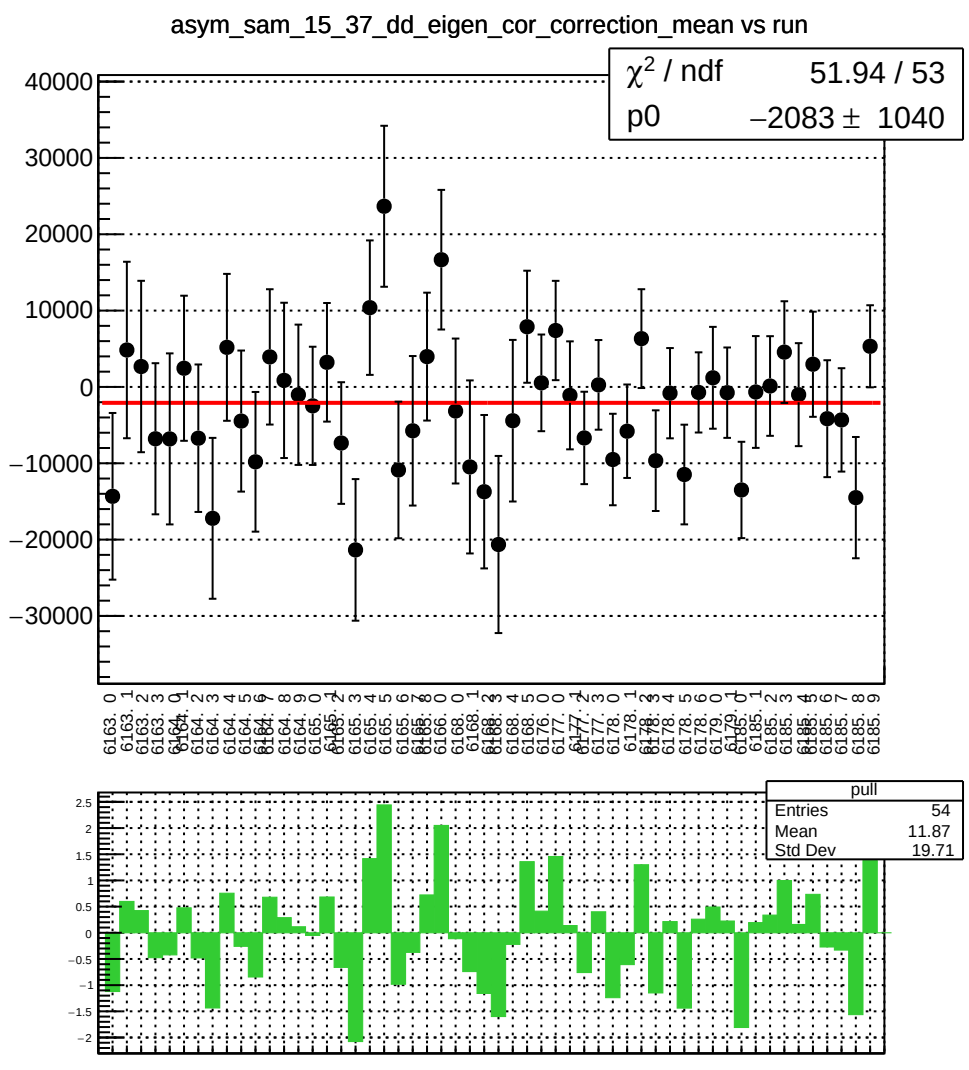

asym_sam_15_37_dd_cor_correction_mean vs run
χ² / ndf 51.94 / 53
p0 −2083 ± 1040
pull
Entries 54
Mean 11.87
Std Dev 19.71

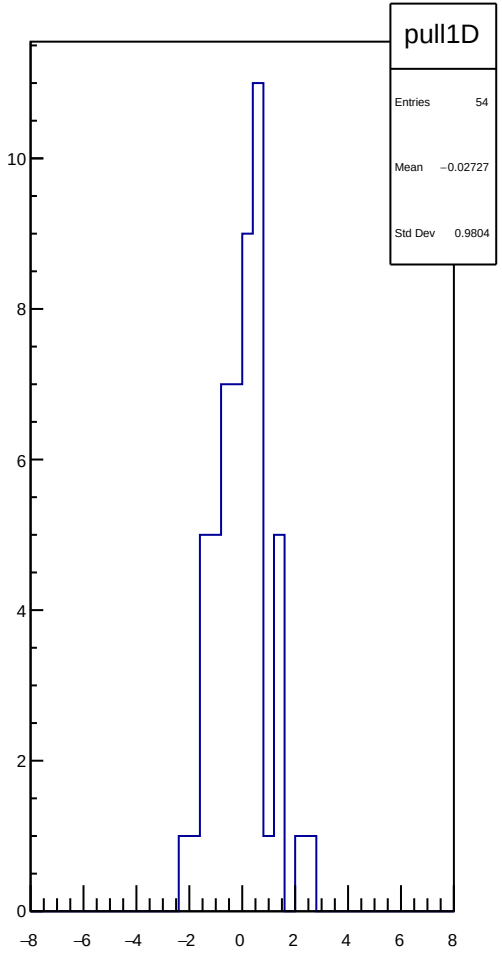

pull1D
Entries 54
Mean −0.02727
Std Dev 0.9804

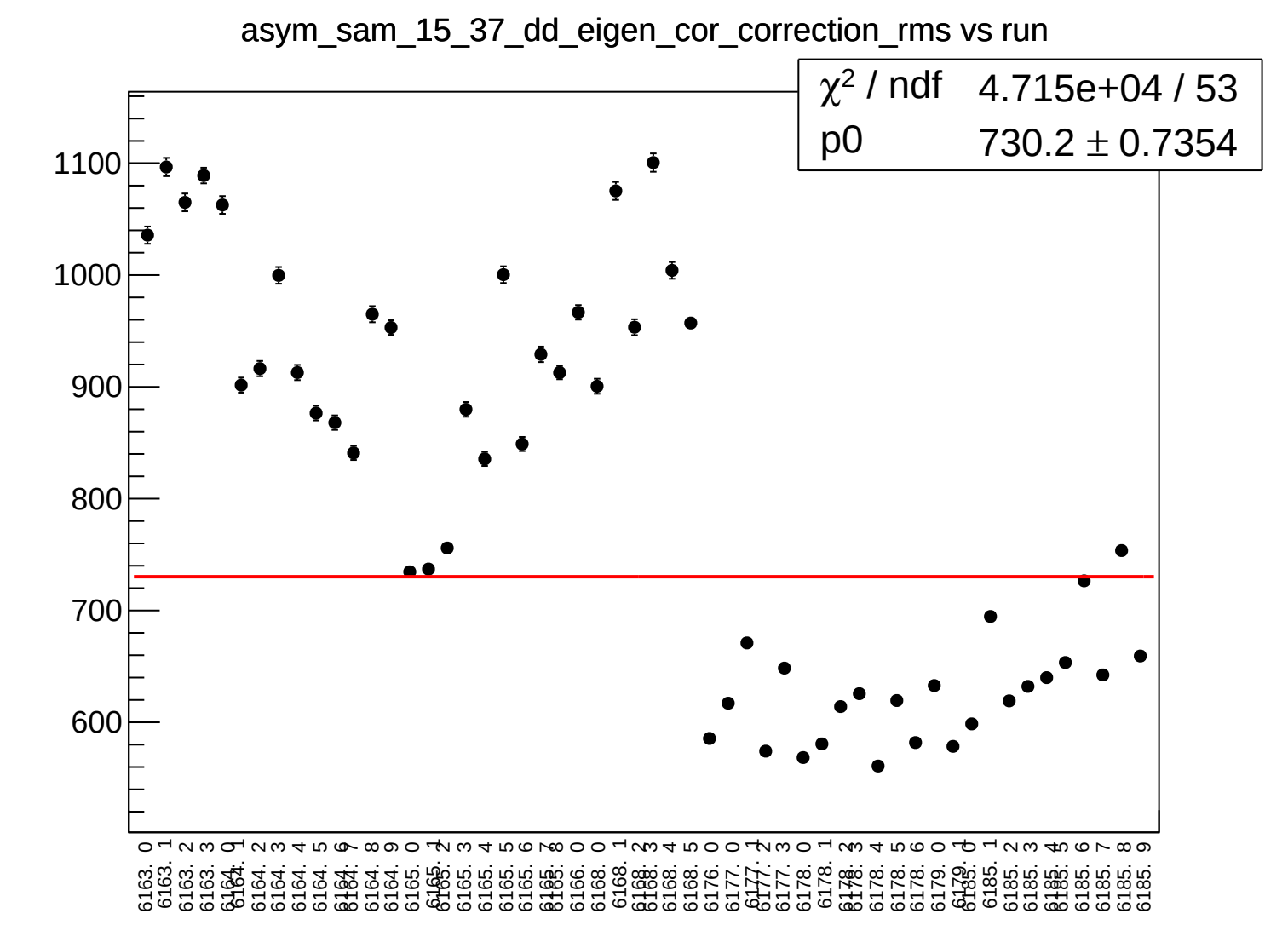

asym_sam_15_37_dd_cor_correction_rms vs run
χ² / ndf 4.715e+04 / 53
p0 730.2 ± 0.7354
1100
1000
900
800
700
600
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

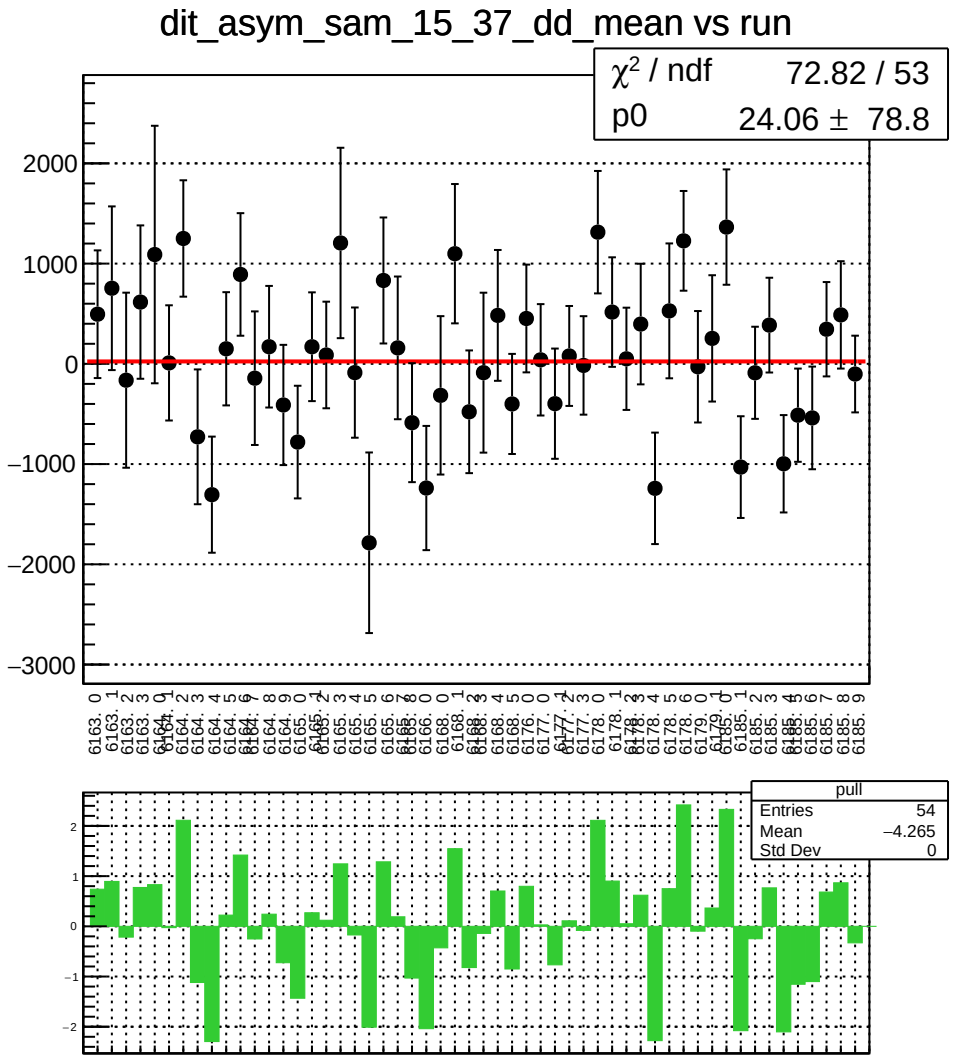

eigen_cor_asym_sam_15_37_dd_mean vs run
χ² / ndf 61.52 / 53
p0 −4.101 ± 67.16
pull
Entries 54
Mean −50.96
Std Dev 0
pull1D
Entries 54
Mean 0.01079
Std Dev 1.067

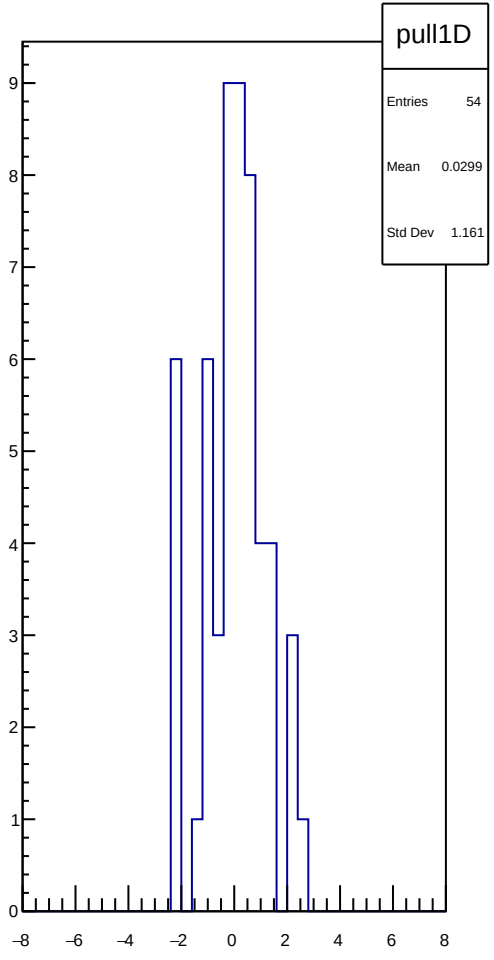

eigen_cor_asym_sam_15_37_dd_rms vs run
χ² / ndf 2.707e+04 / 53
p0 47.63 ± 0.04749
90
80
70
60
50
40
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 3
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

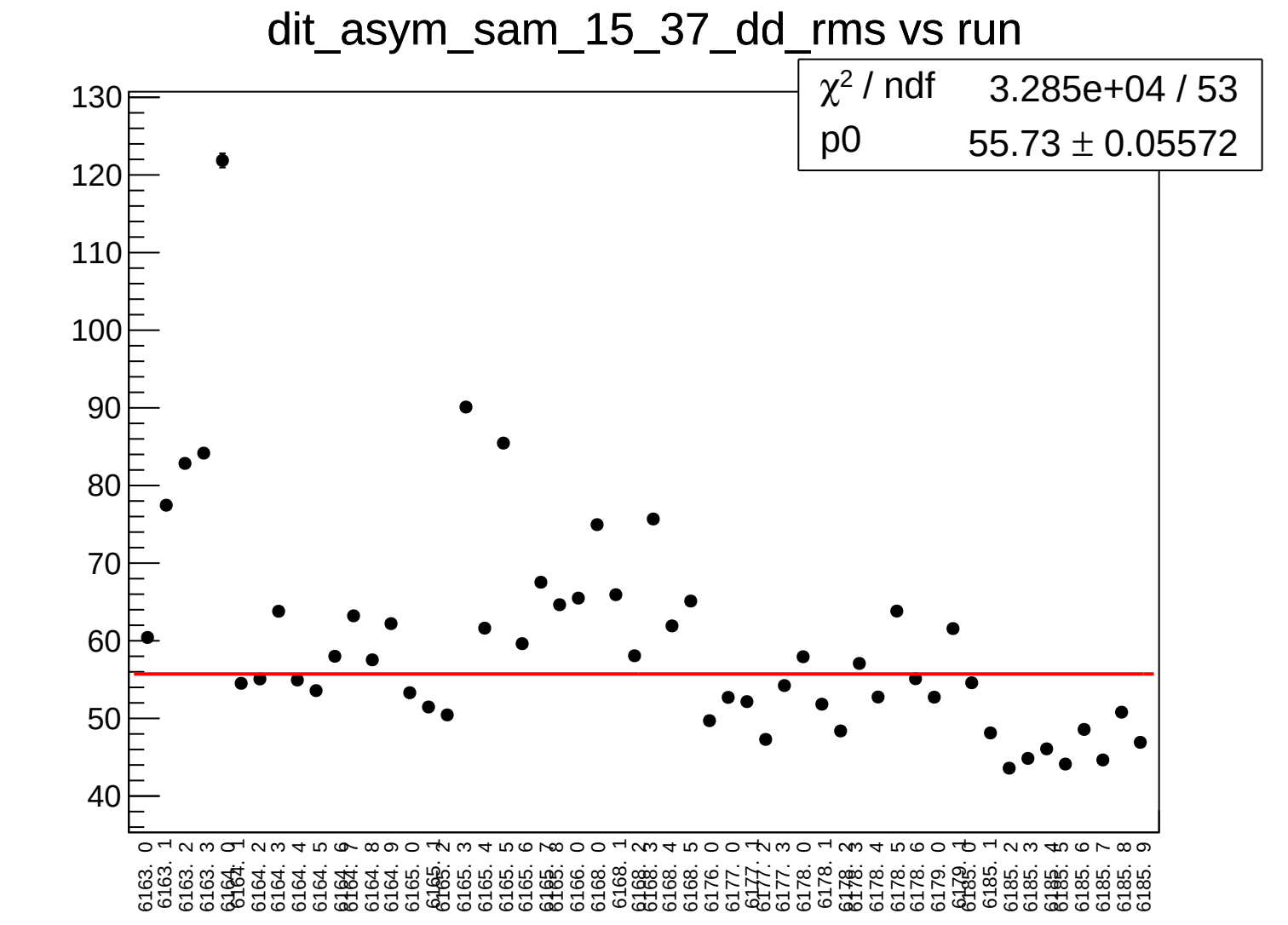

asym_sam_15_37_dd_eigen_cor_correction_mean vs run
χ² / ndf 51.94 / 53
p0 −2083 ± 1040
pull
Entries 54
Mean 11.87
Std Dev 19.71

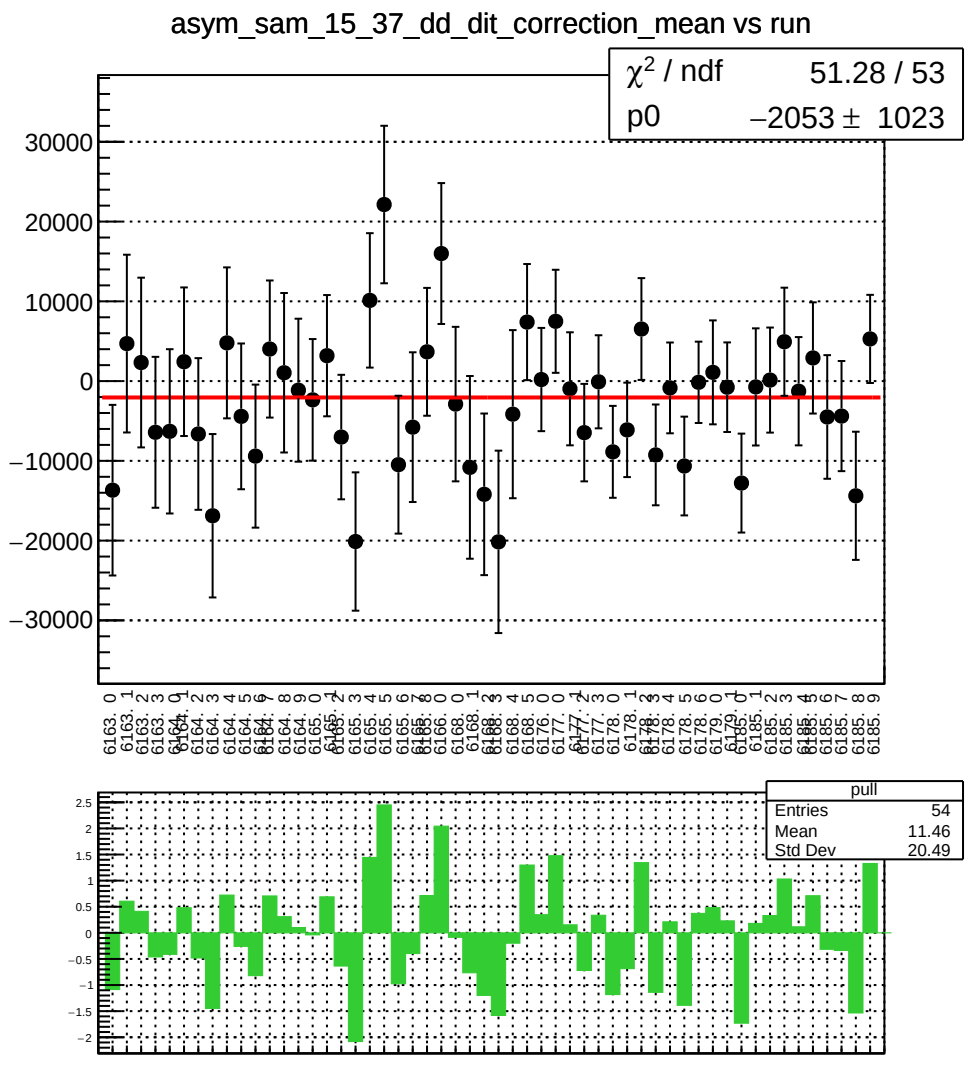

pull1D
Entries 54
Mean −0.02727
Std Dev 0.9804

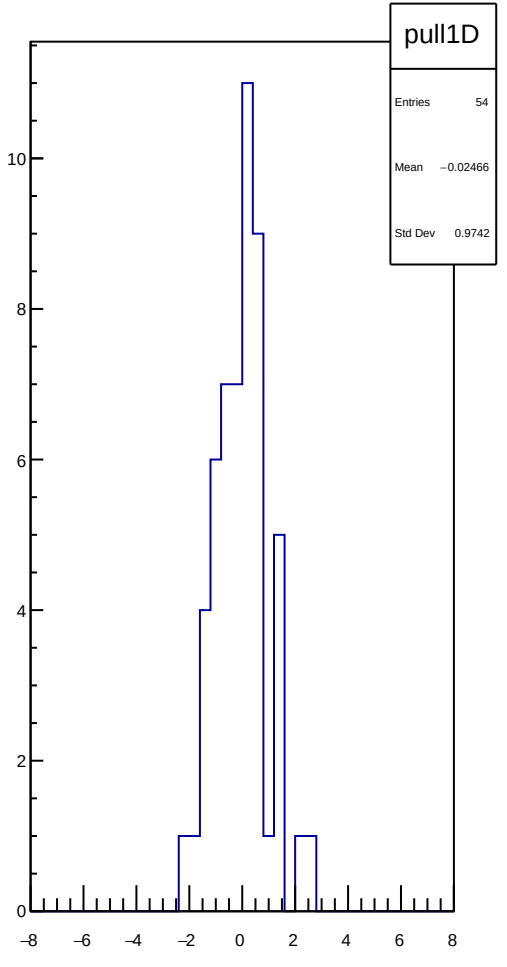

asym_sam_15_37_dd_eigen_cor_correction_rms vs run
χ² / ndf 4.715e+04 / 53
p0 730.2 ± 0.7354
1100
1000
900
800
700
600
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

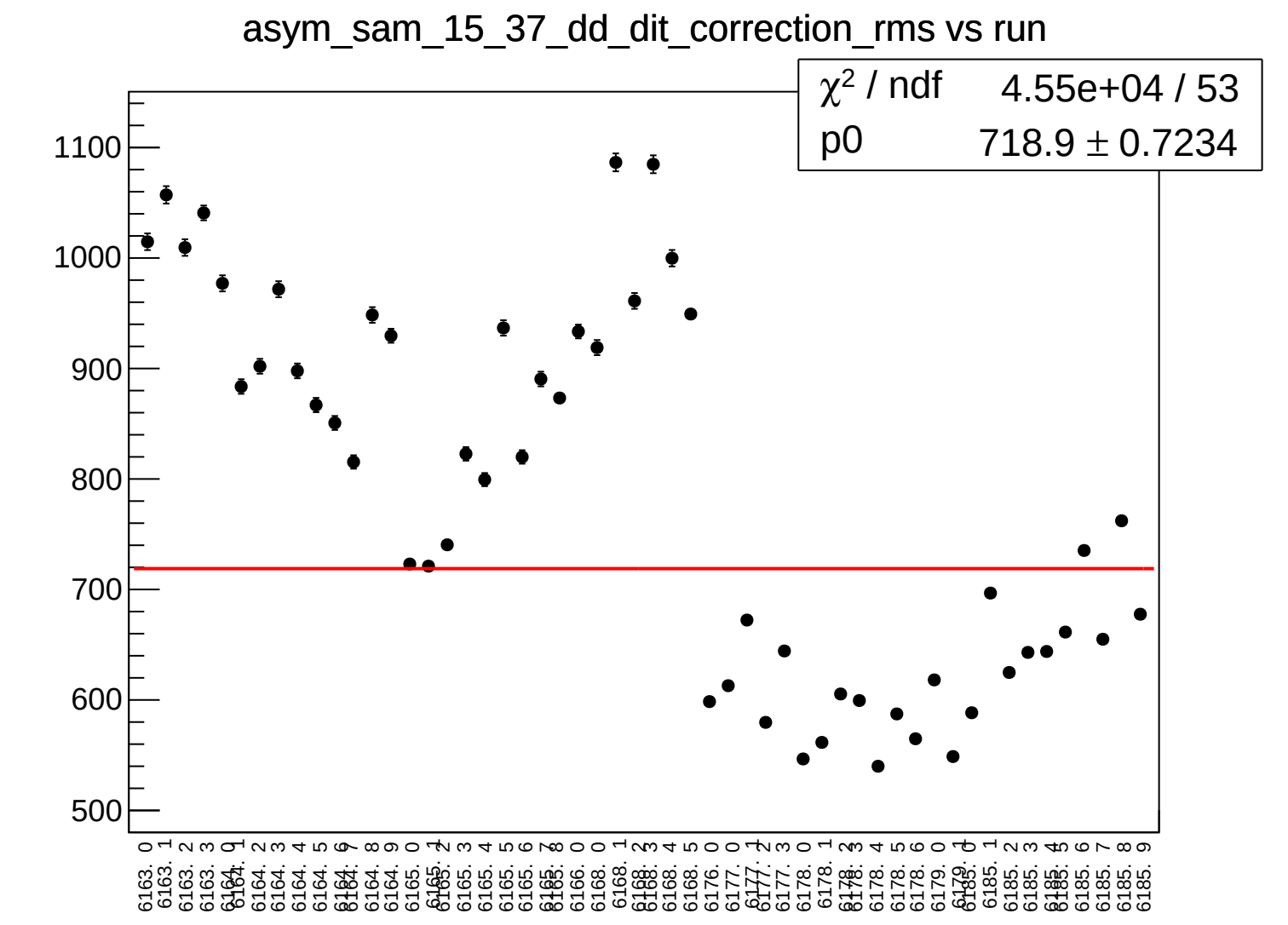

dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 72.82 / 53
p0 24.06 ± 78.8
2000
1000
0
−1000
−2000
−3000
pull
Entries 54
Mean −4.265
Std Dev 0
2
1
0
−1
−2

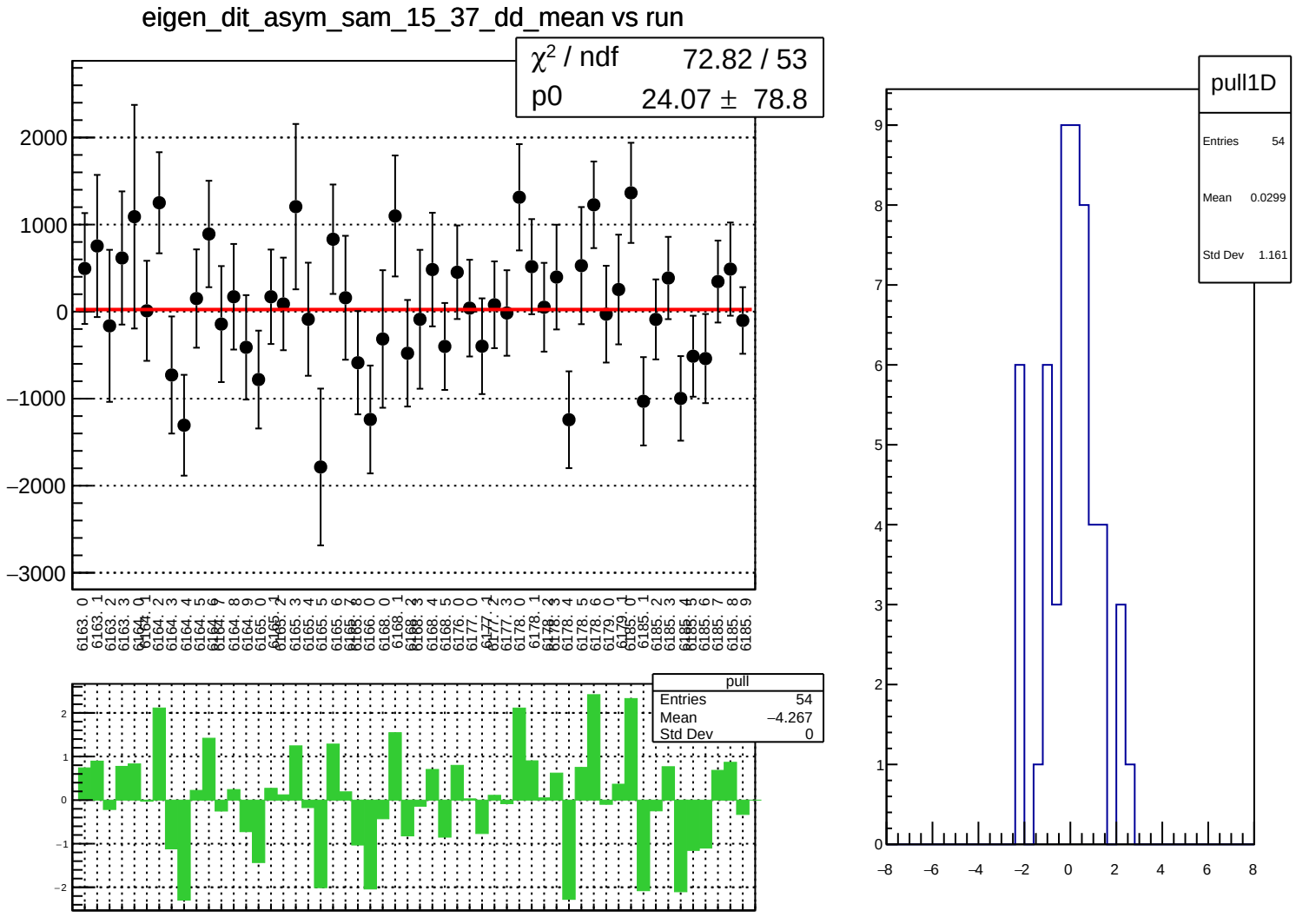

pull1D
Entries 54
Mean 0.0299
Std Dev 1.161
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

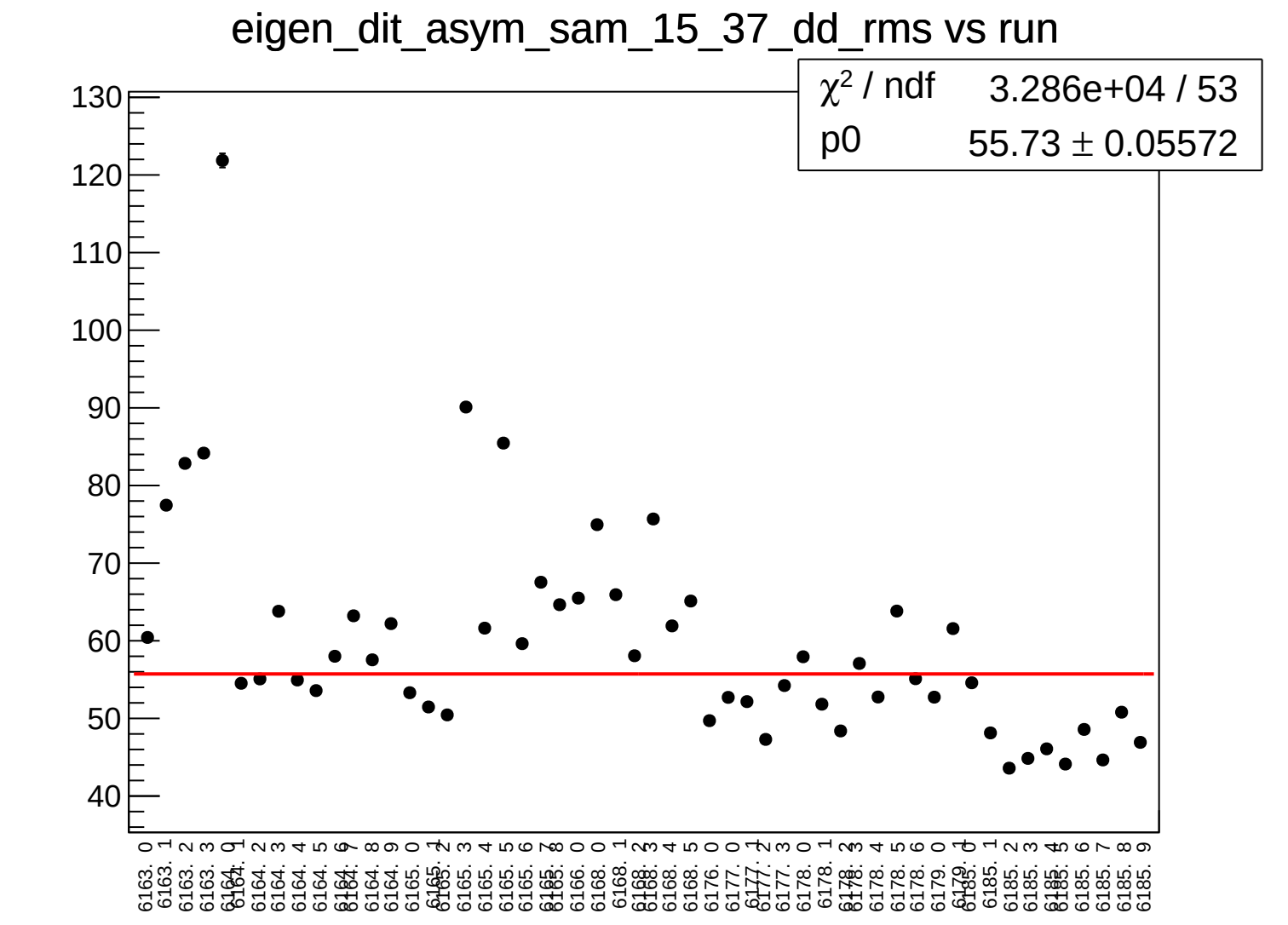

dit_asym_sam_15_37_dd_rms vs run
χ² / ndf 3.285e+04 / 53
p0 55.73 ± 0.05572
130
120
110
100
90
80
70
60
50
40
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

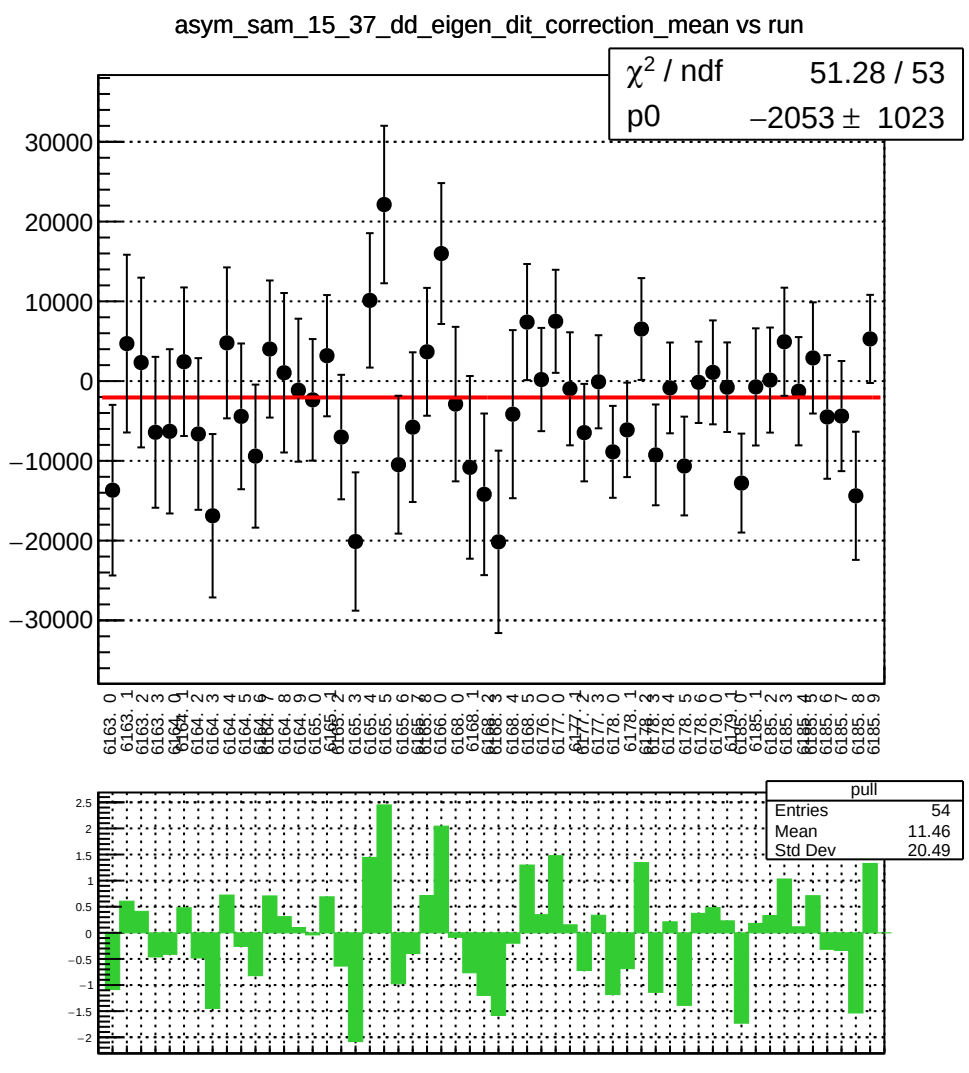

asym_sam_15_37_dd_dit_correction_mean vs run
χ² / ndf 51.28 / 53
p0 −2053 ± 1023
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 54
Mean 11.46
Std Dev 20.49
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

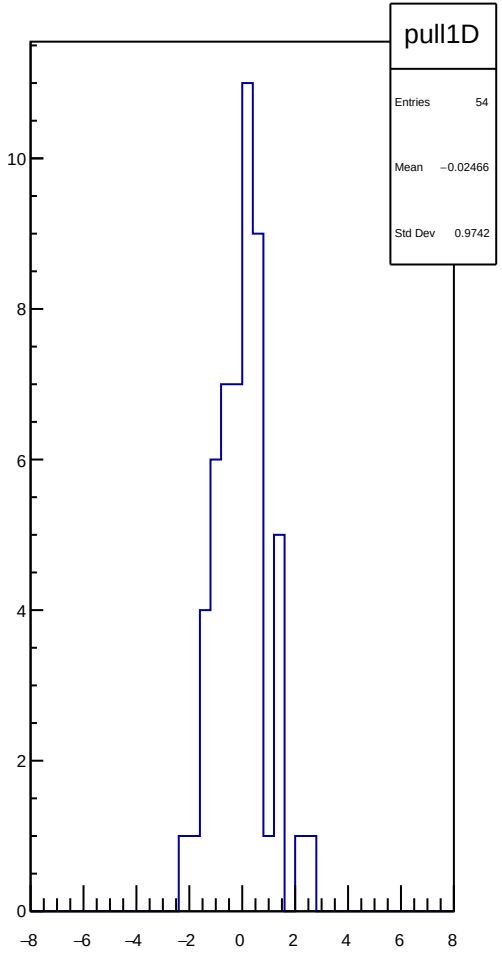

pull1D
Entries 54
Mean −0.02466
Std Dev 0.9742
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

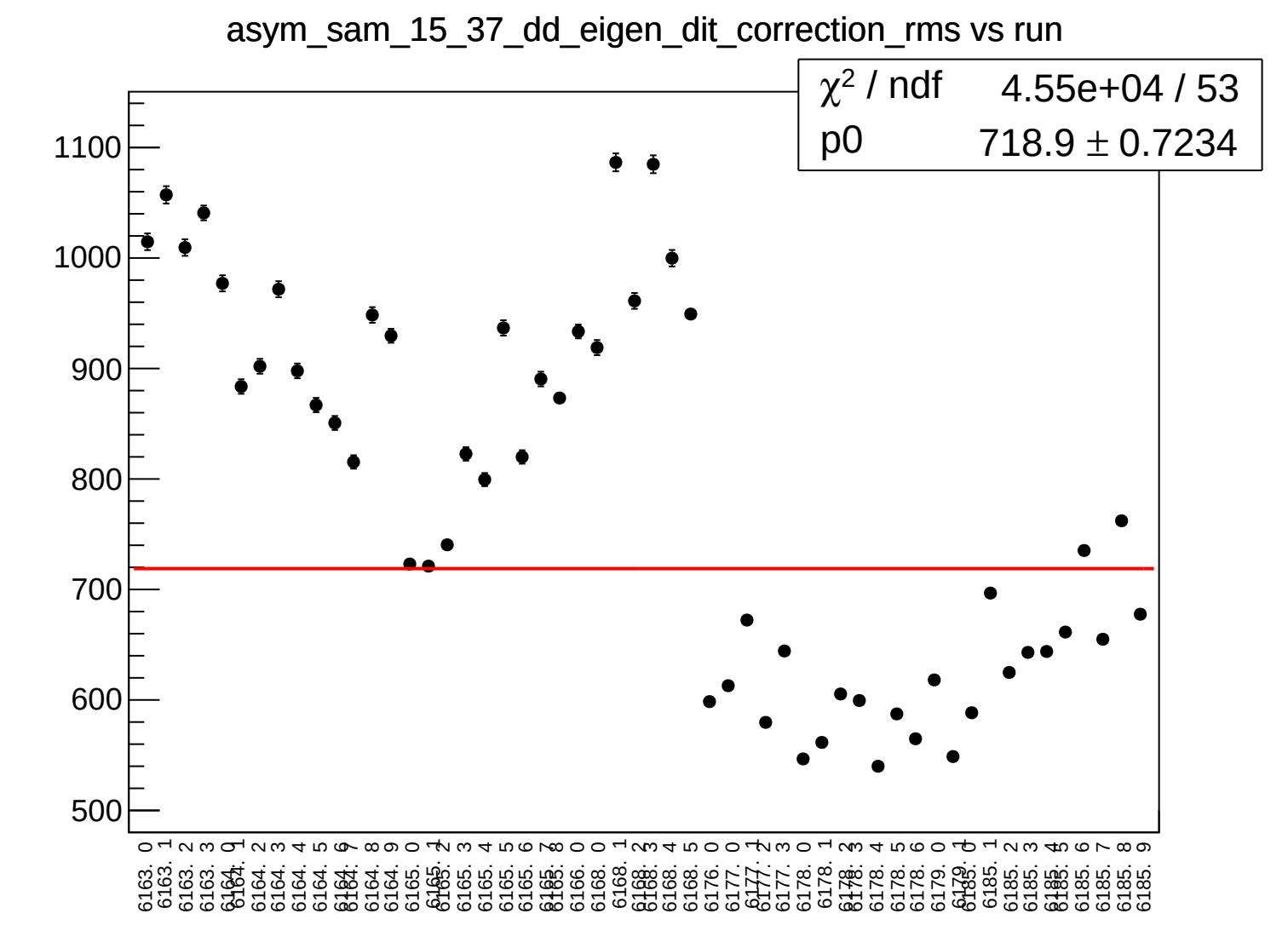

asym_sam_15_37_dd_dit_correction_rms vs run
χ² / ndf 4.55e+04 / 53
p0 718.9 ± 0.7234
1100
1000
900
800
700
600
500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

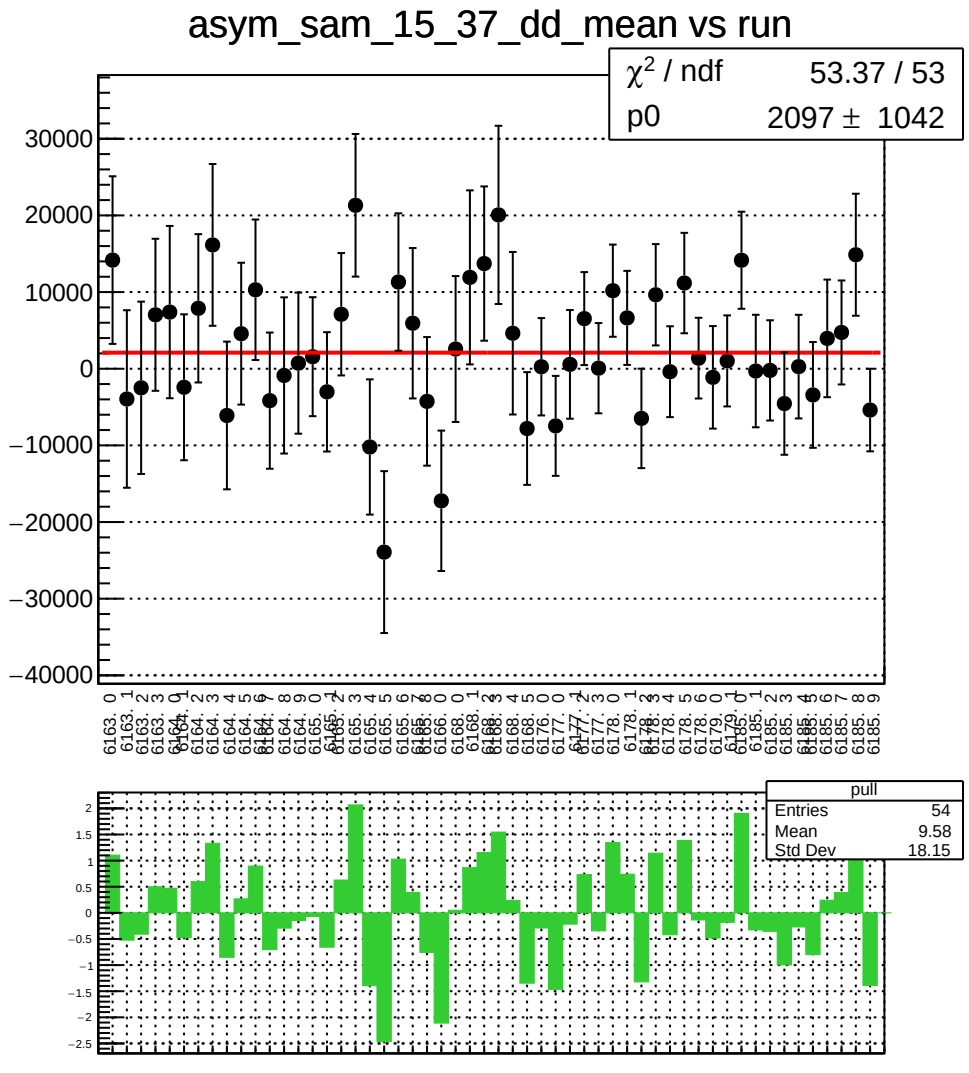

eigen_dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 72.82 / 53
p0 24.07 ± 78.8
2000
1000
0
−1000
−2000
−3000
pull
Entries 54
Mean −4.267
Std Dev 0
pull1D
Entries 54
Mean 0.0299
Std Dev 1.161

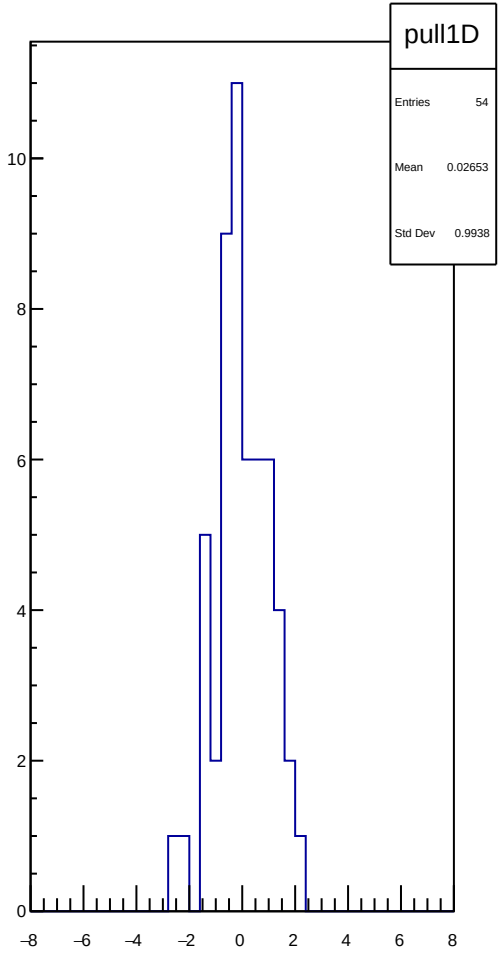

eigen_dit_asym_sam_15_37_dd_rms vs run
χ² / ndf 3.286e+04 / 53
p0 55.73 ± 0.05572
130
120
110
100
90
80
70
60
50
40
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

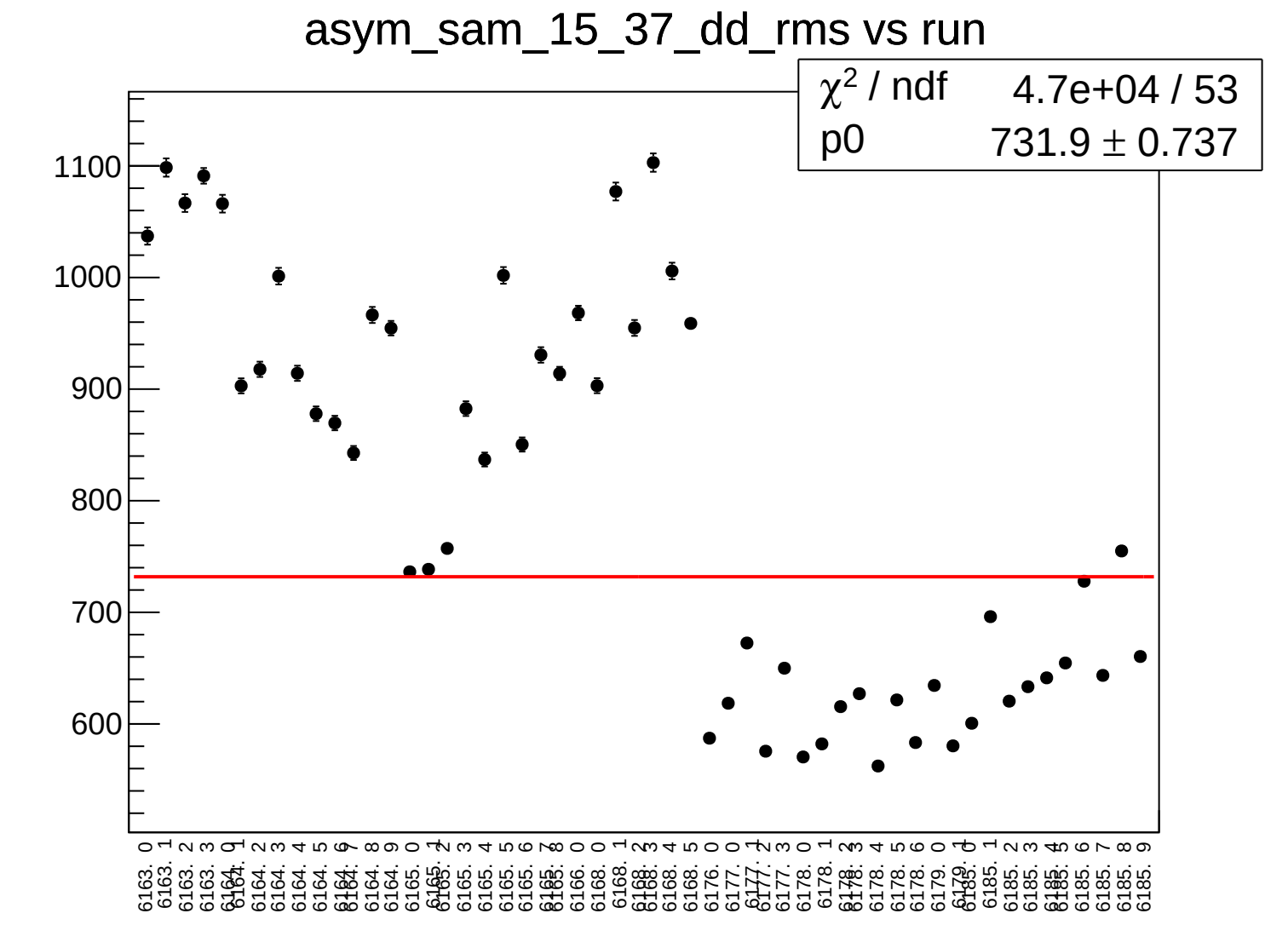

asym_sam_15_37_dd_eigen_dit_correction_mean vs run
χ² / ndf 51.28 / 53
p0 −2053 ± 1023
pull
Entries 54
Mean 11.46
Std Dev 20.49

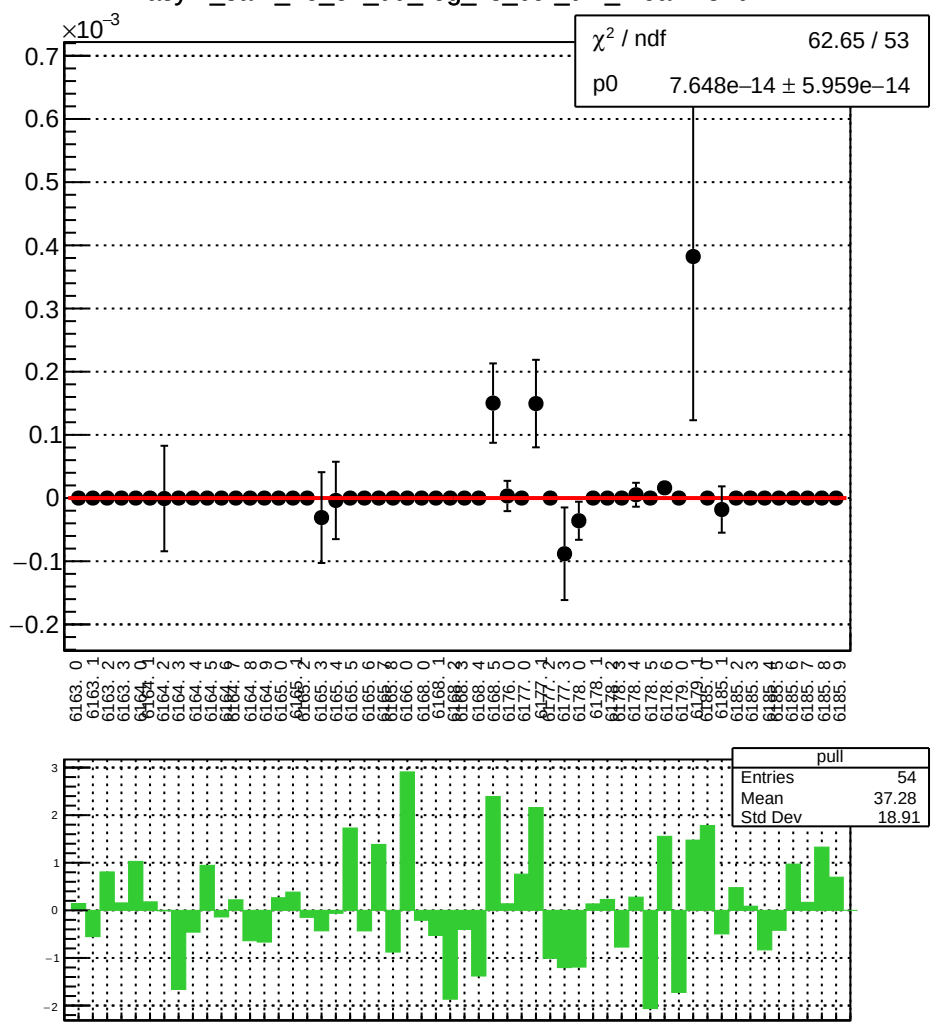

pull1D
Entries 54
Mean −0.02466
Std Dev 0.9742

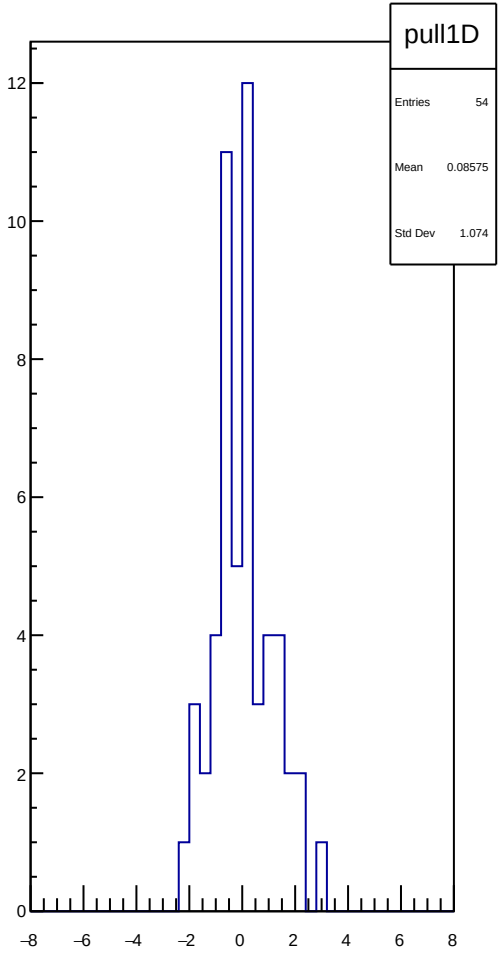

asym_sam_15_37_dd_eigen_dit_correction_rms vs run
χ² / ndf 4.55e+04 / 53
p0 718.9 ± 0.7234
1100
1000
900
800
700
600
500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

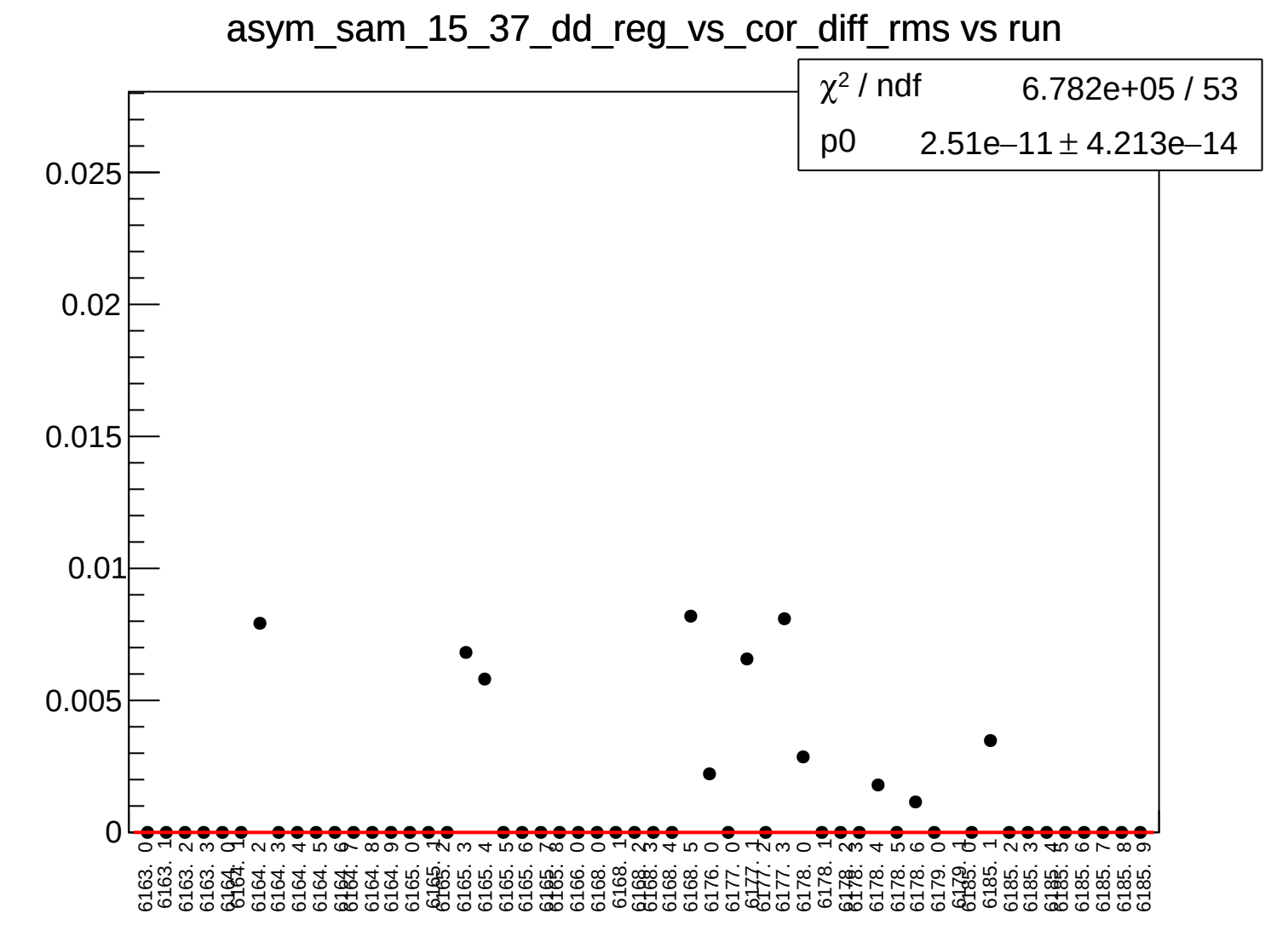

asym_sam_15_37_dd_mean vs run
χ² / ndf 53.37 / 53
p0 2097 ± 1042
pull
Entries 54
Mean 9.58
Std Dev 18.15

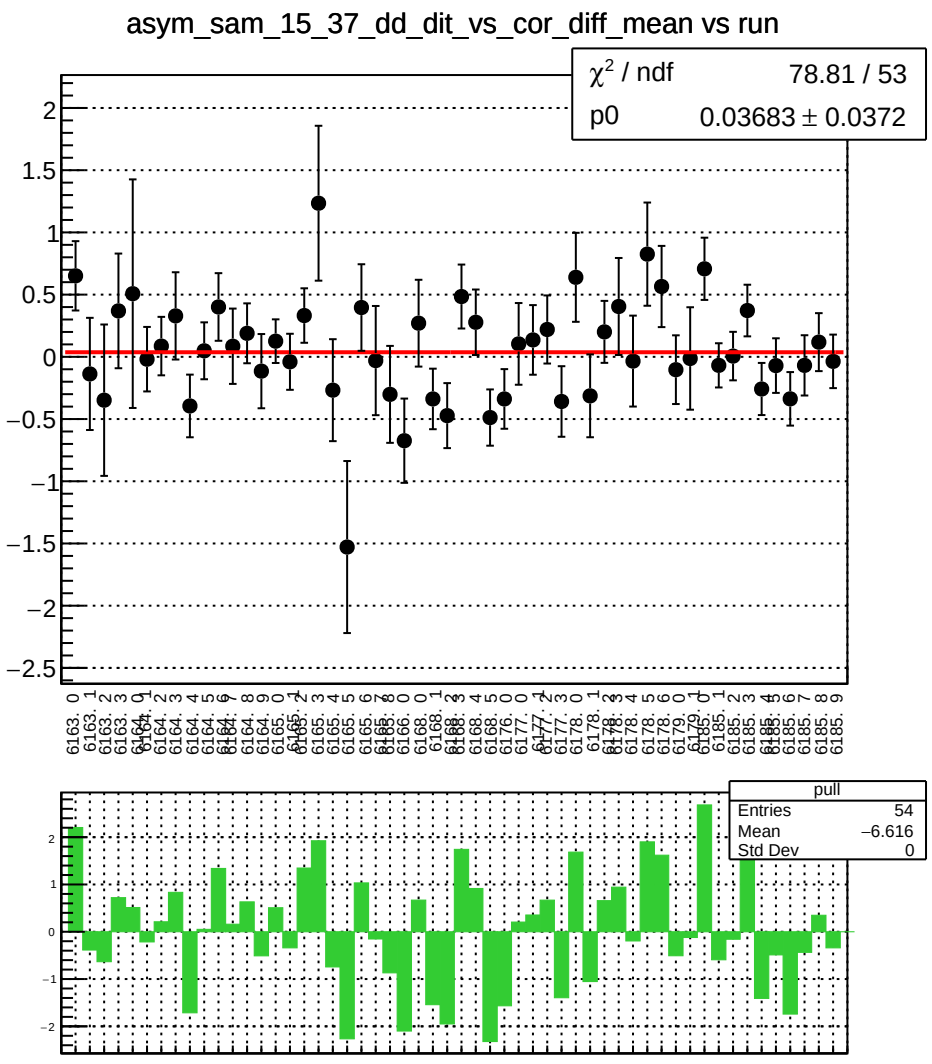

pull1D
Entries 54
Mean 0.02653
Std Dev 0.9938

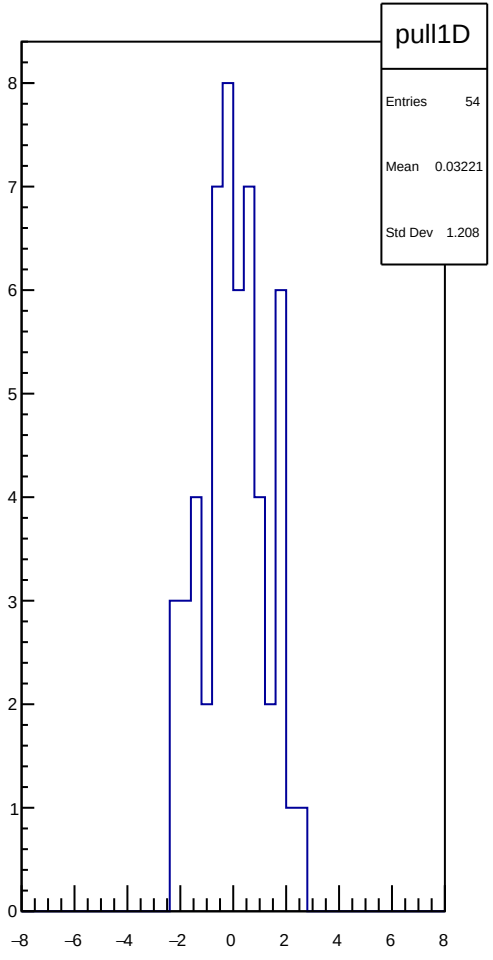

asym_sam_15_37_dd_rms vs run
χ² / ndf 4.7e+04 / 53
p0 731.9 ± 0.737
1100
1000
900
800
700
600
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

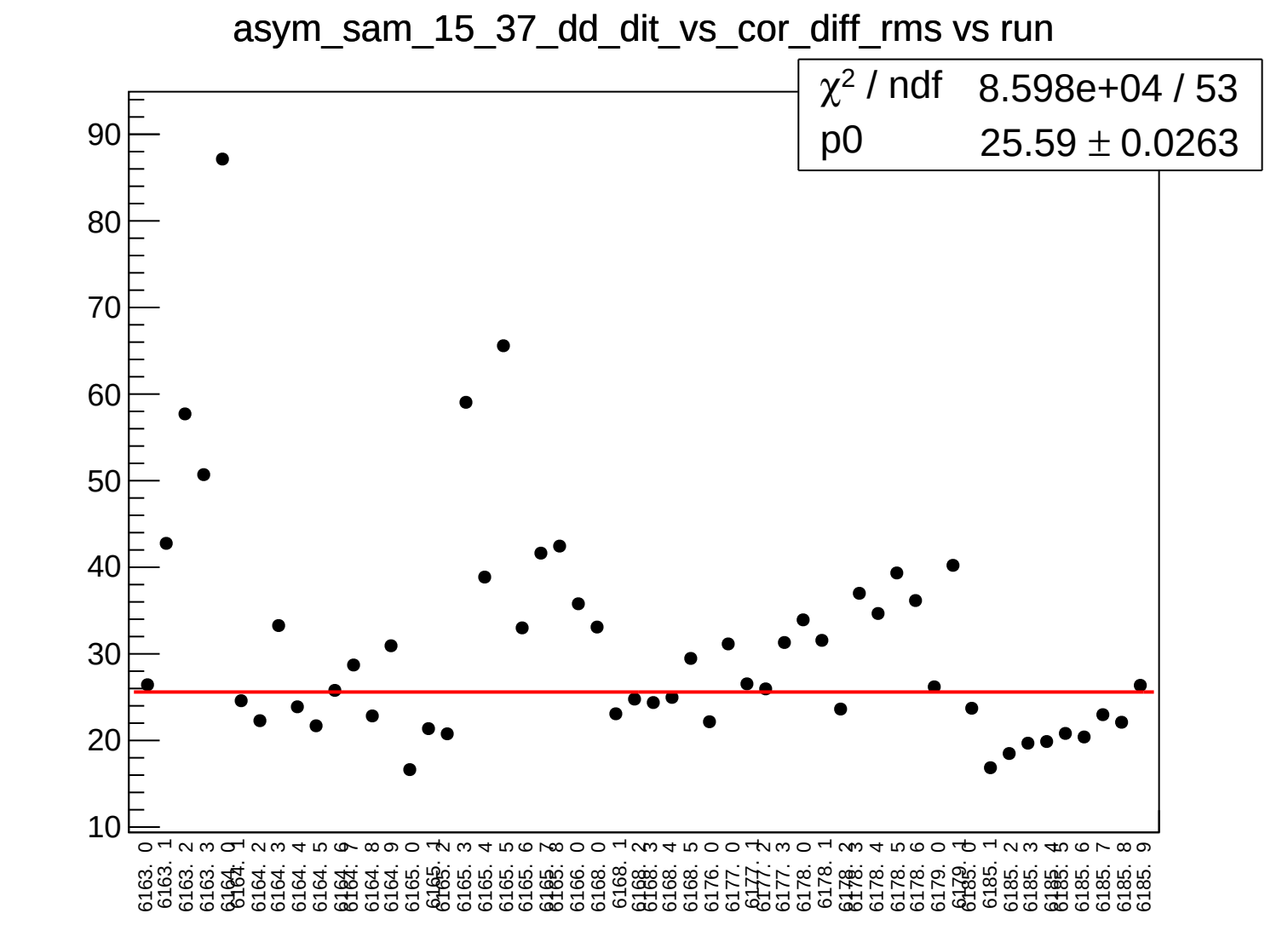

asym_sam_15_37_dd_reg_vs_cor_diff_mean vs run
×10^−3
χ² / ndf 62.65 / 53
p0 7.648e−14 ± 5.959e−14
pull
Entries 54
Mean 37.28
Std Dev 18.91

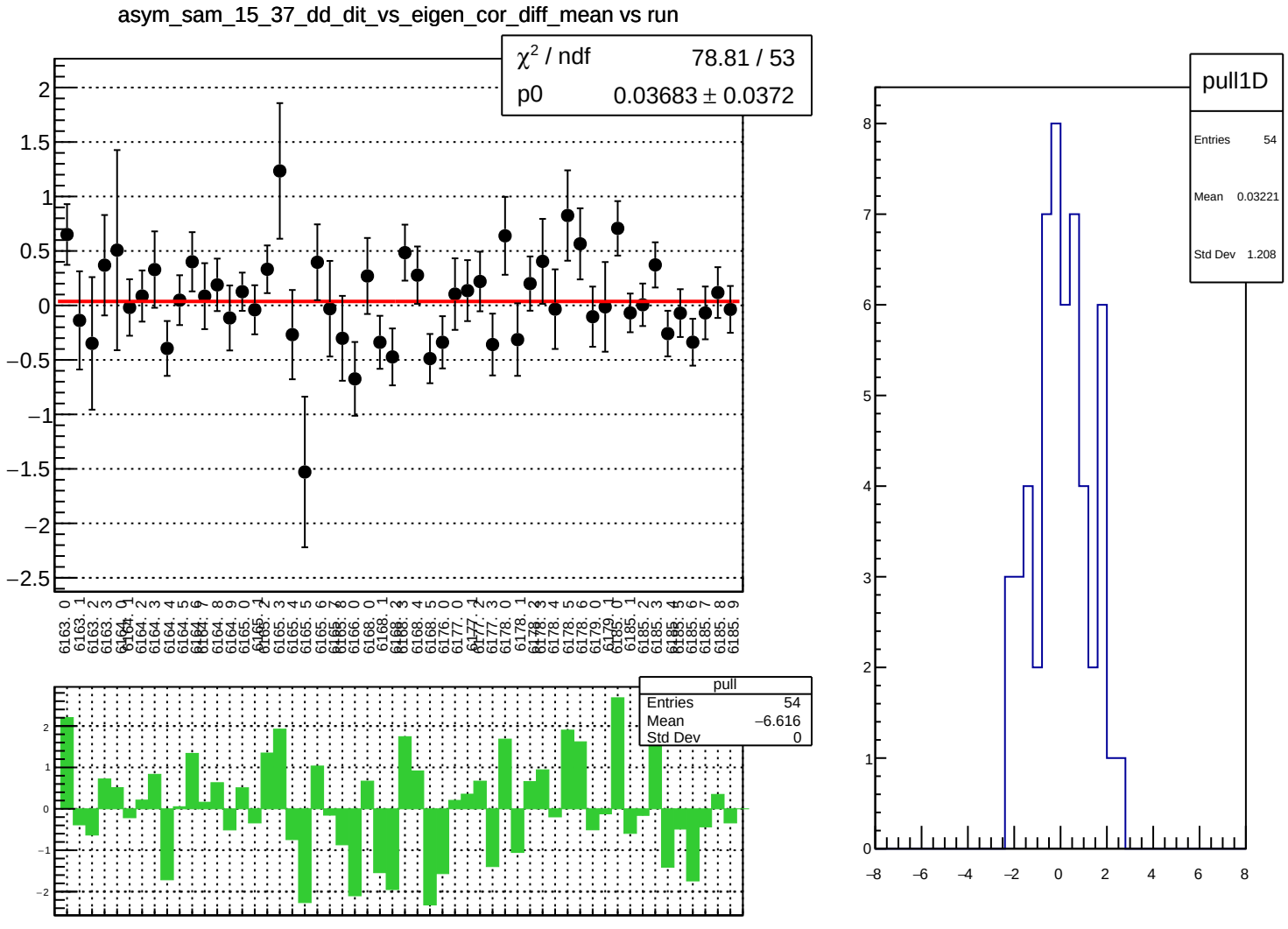

pull1D
Entries 54
Mean 0.08575
Std Dev 1.074

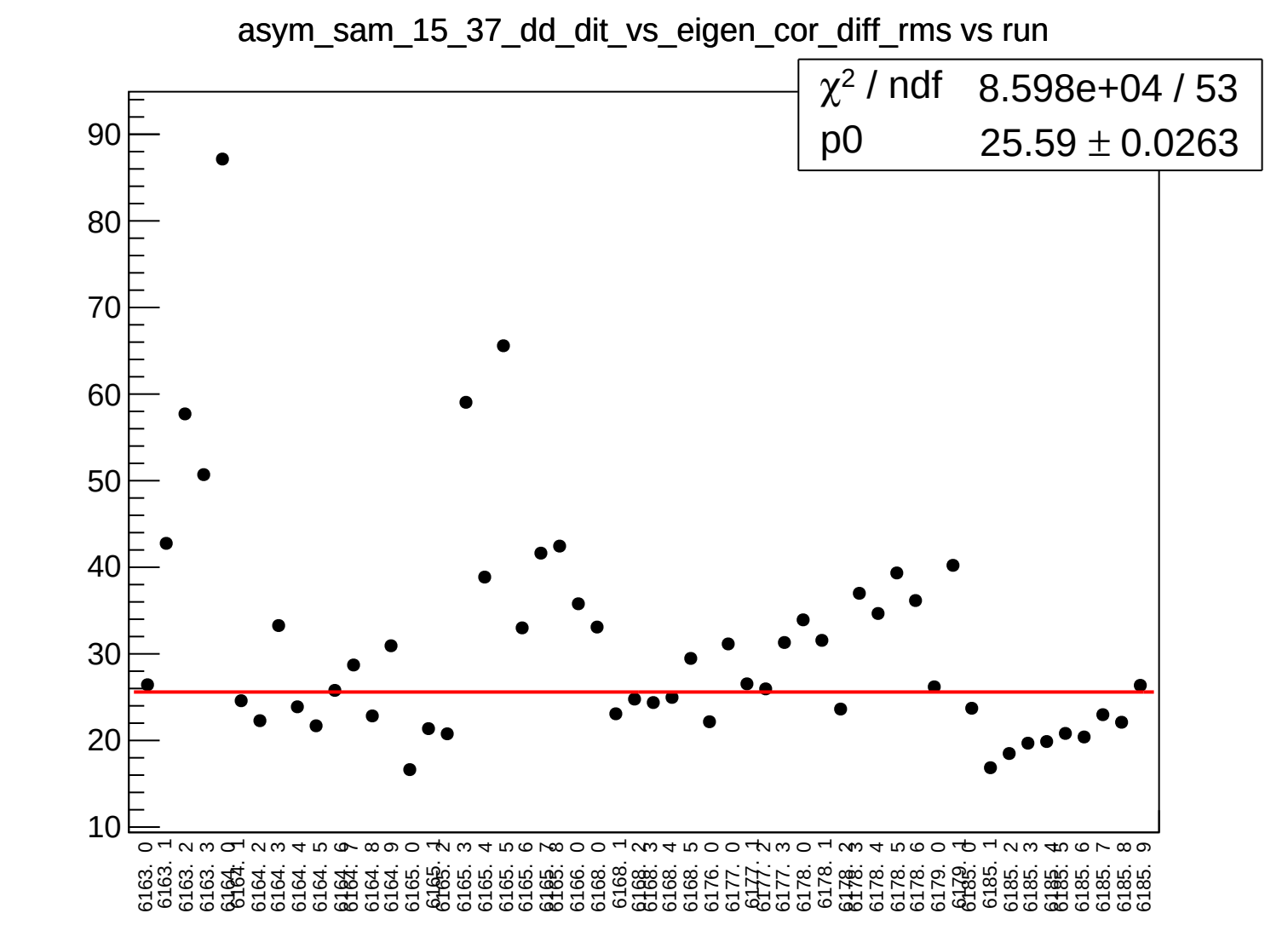

asym_sam_15_37_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.782e+05 / 53
p0 2.51e−11 ± 4.213e−14
0.025
0.02
0.015
0.01
0.005
0
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

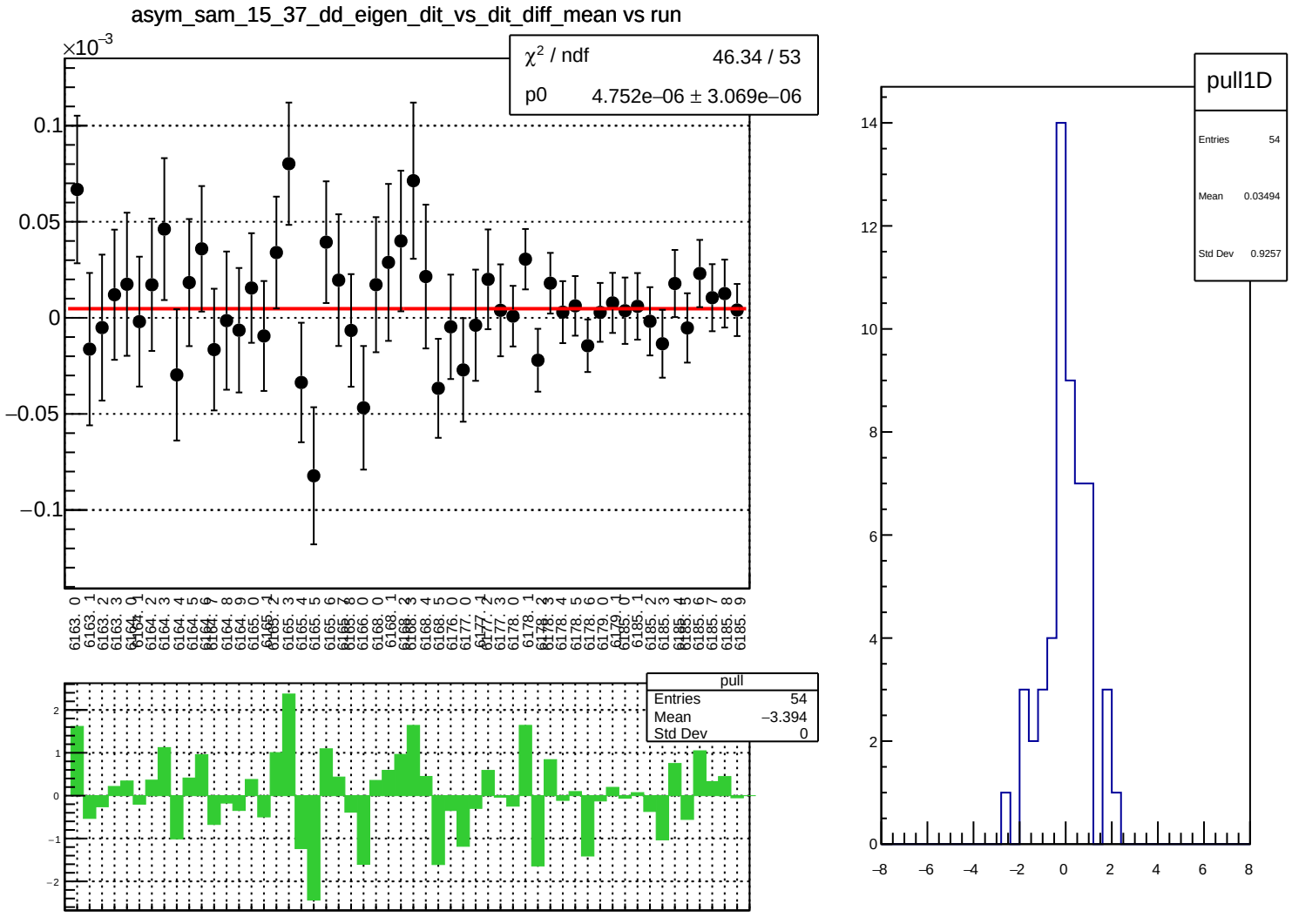

asym_sam_15_37_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 78.81 / 53
p0 0.03683 ± 0.0372
pull
Entries 54
Mean −6.616
Std Dev 0

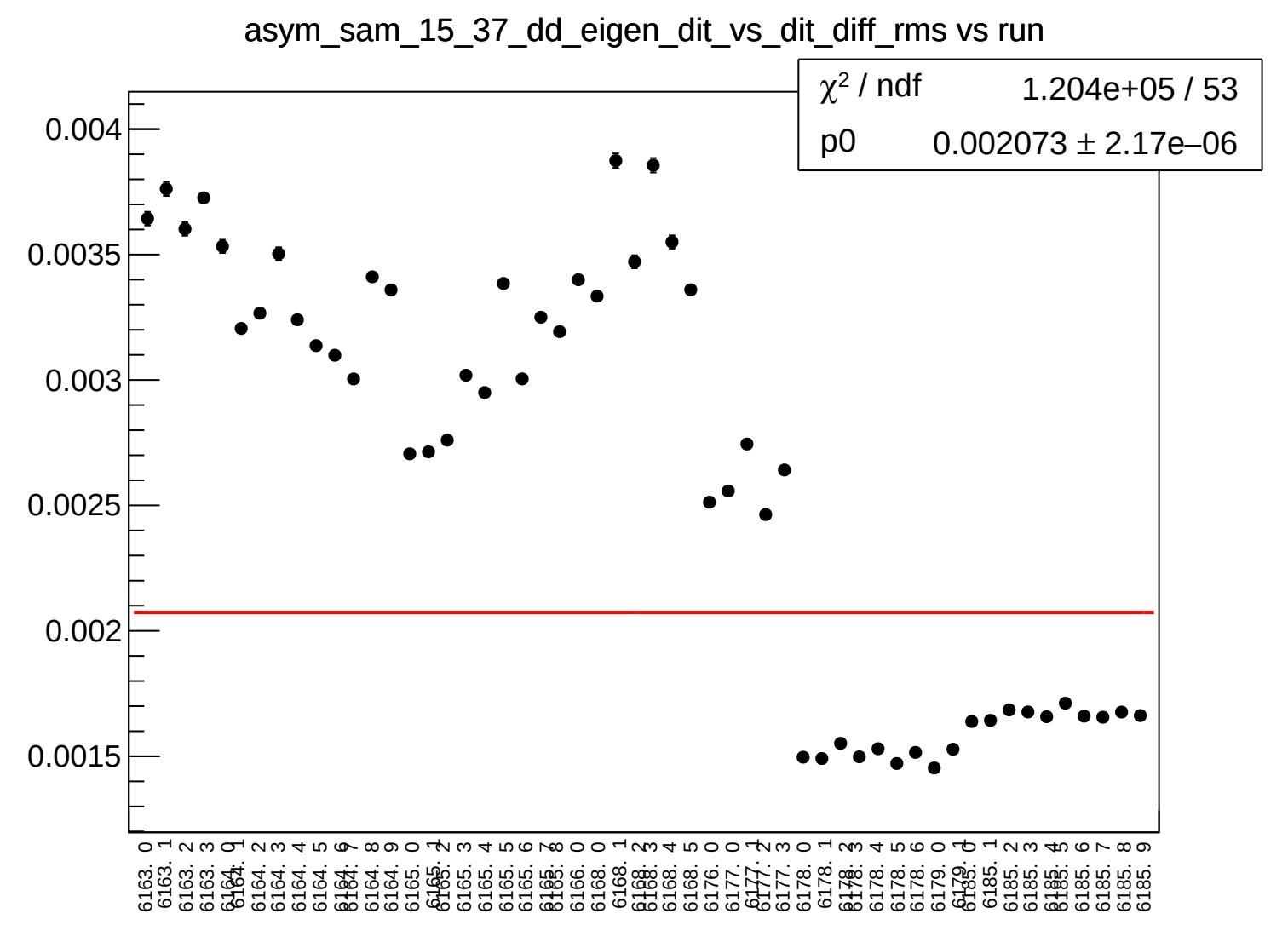

pull1D
Entries 54
Mean 0.03221
Std Dev 1.208

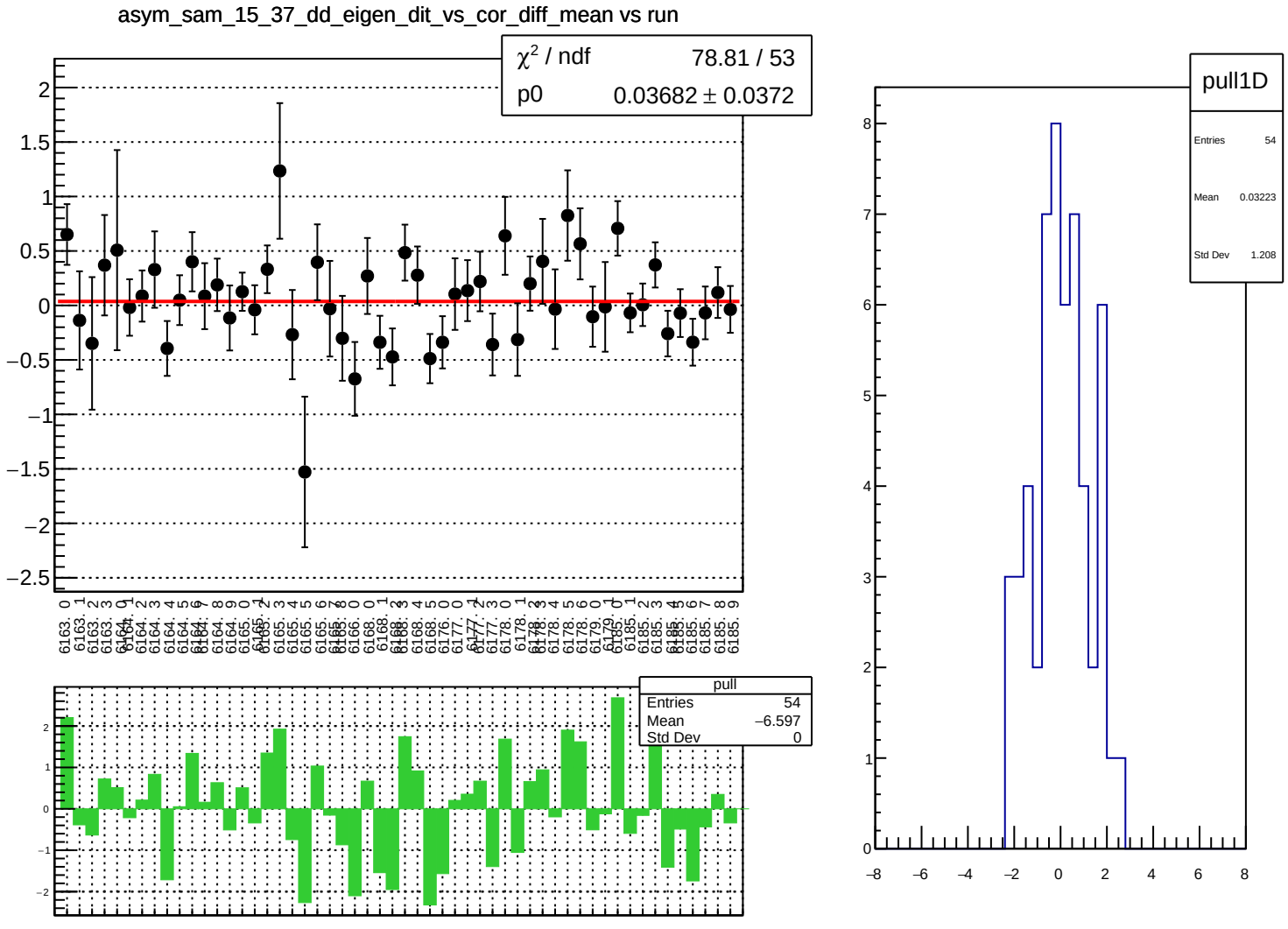

asym_sam_15_37_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 8.598e+04 / 53
p0 25.59 ± 0.0263
90
80
70
60
50
40
30
20
10
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

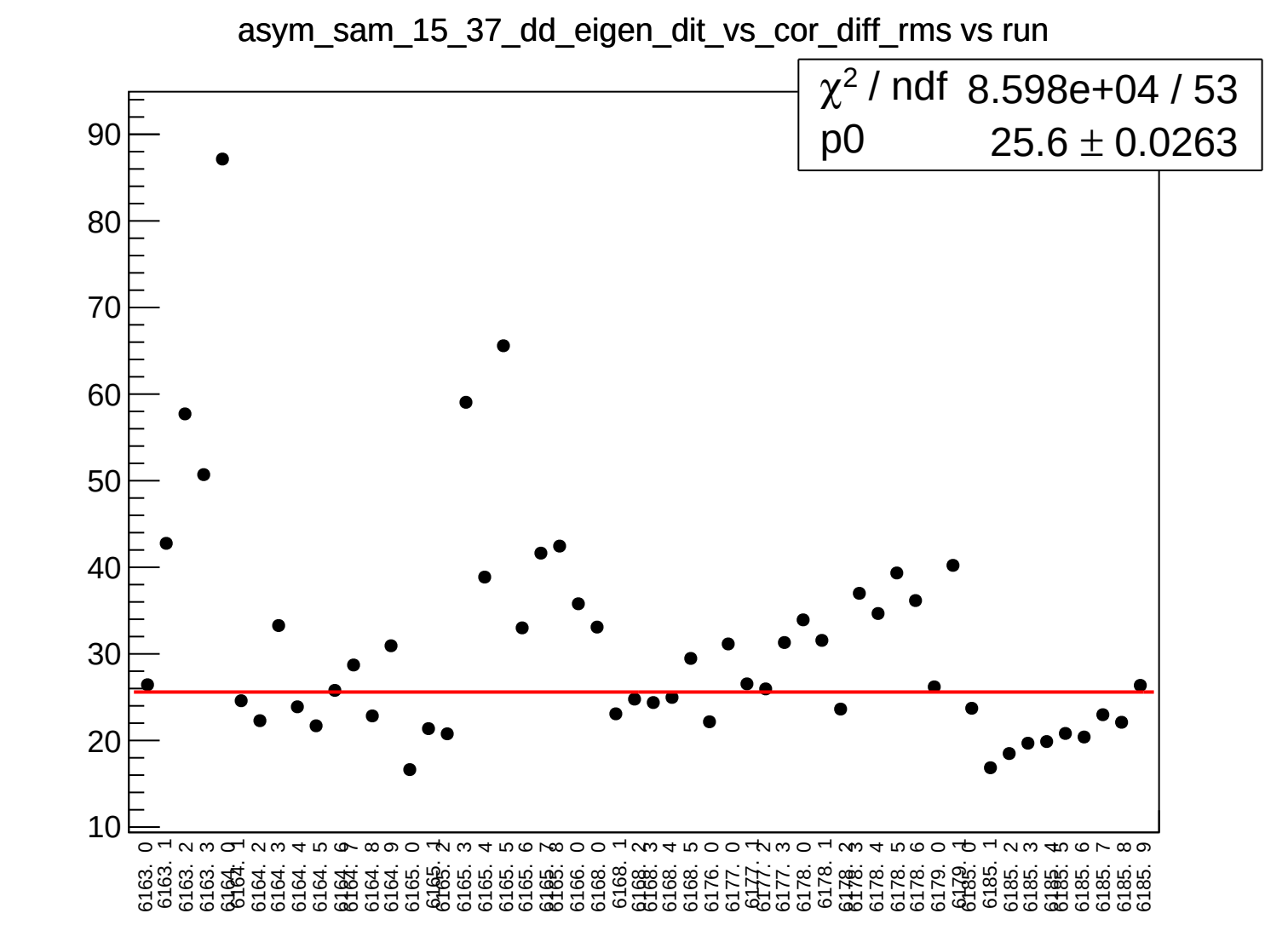

asym_sam_15_37_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 78.81 / 53
p0 0.03683 ± 0.0372
pull
Entries 54
Mean −6.616
Std Dev 0
pull1D
Entries 54
Mean 0.03221
Std Dev 1.208

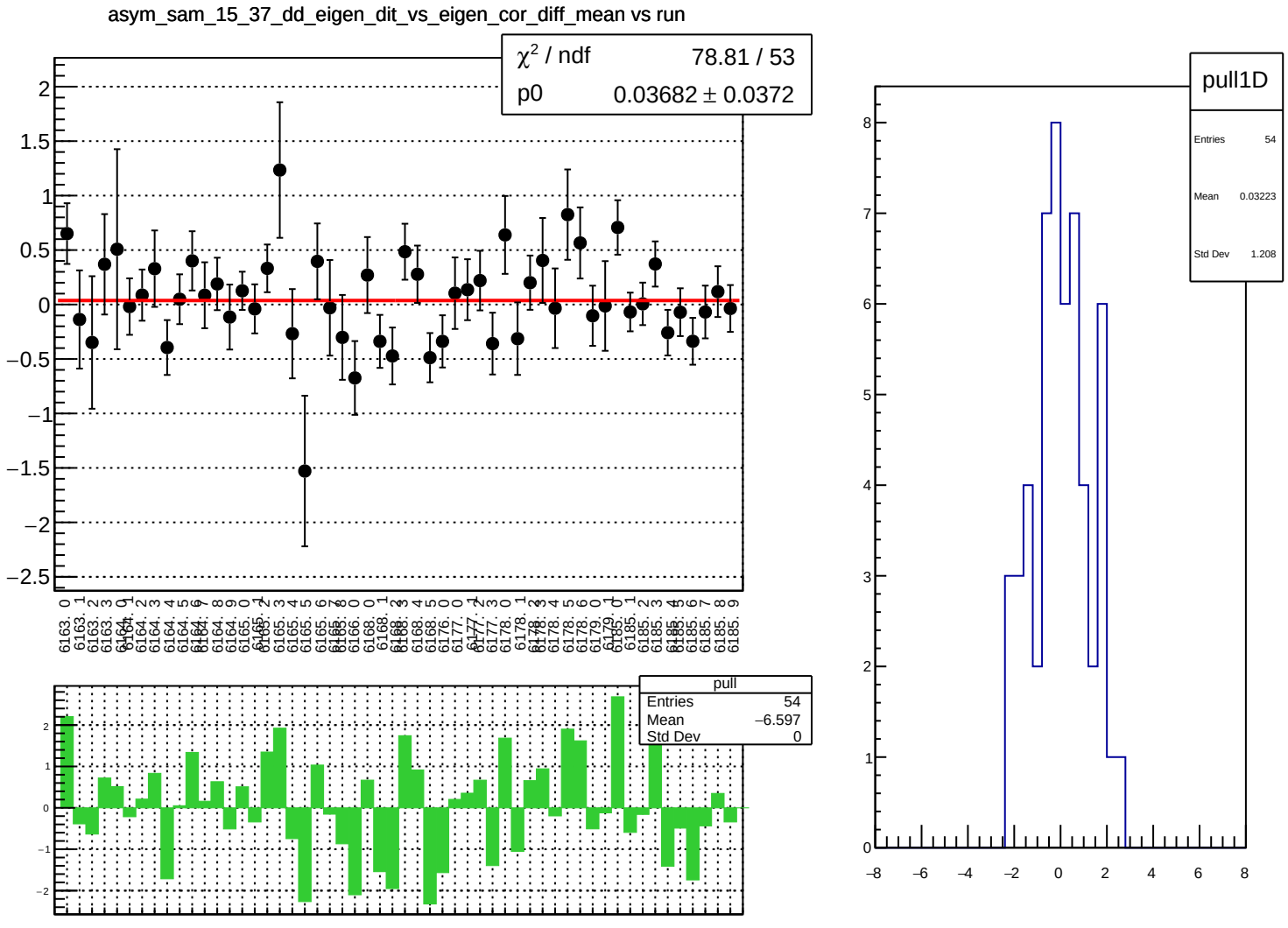

asym_sam_15_37_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.598e+04 / 53
p0 25.59 ± 0.0263
90
80
70
60
50
40
30
20
10
6163. 0
6163. 1
6163. 2
6163. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

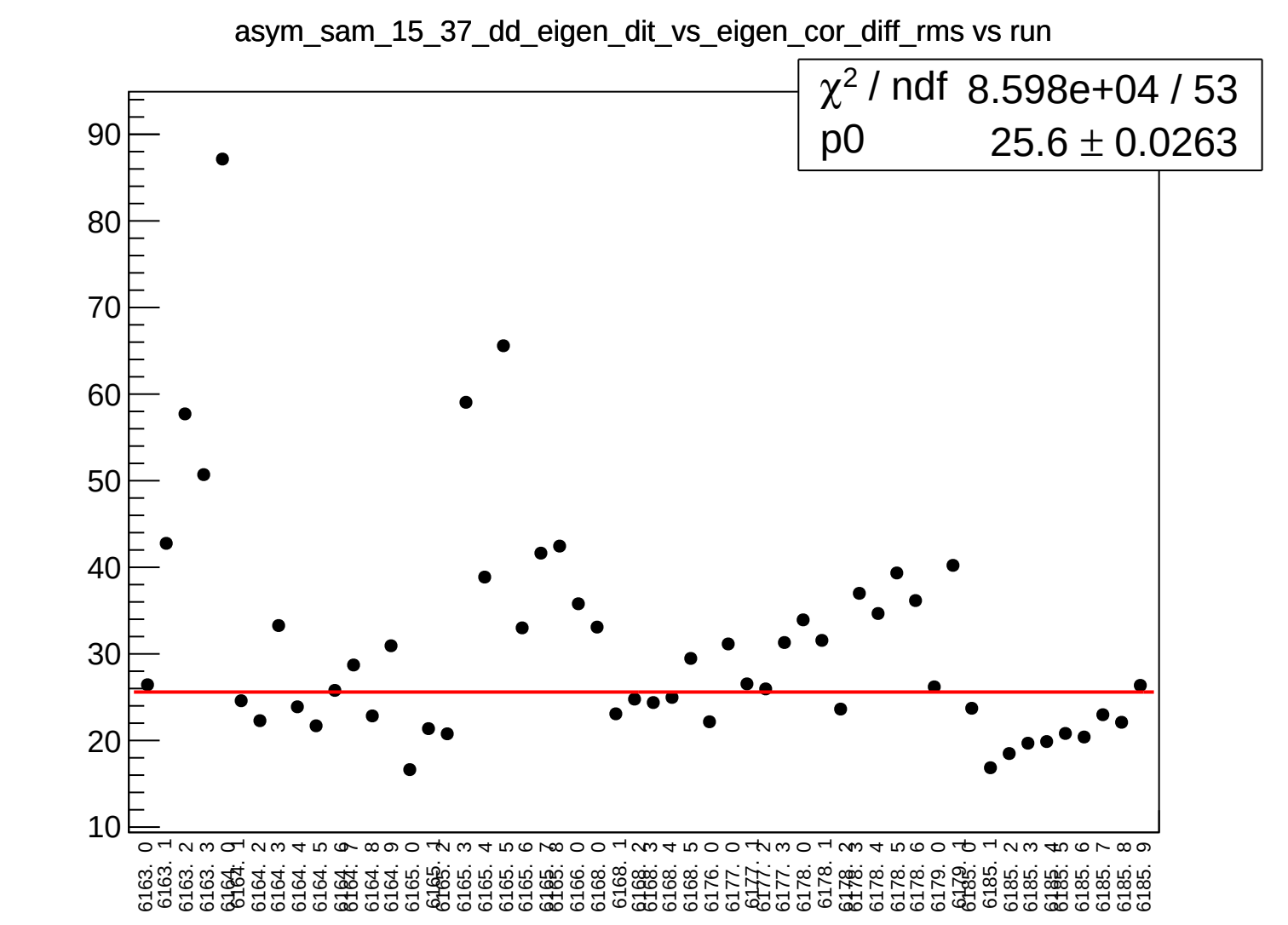

asym_sam_15_37_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 46.34 / 53
p0 4.752e−06 ± 3.069e−06
0.1
0.05
0
−0.05
−0.1
pull
Entries 54
Mean −3.394
Std Dev 0
pull1D
Entries 54
Mean 0.03494
Std Dev 0.9257

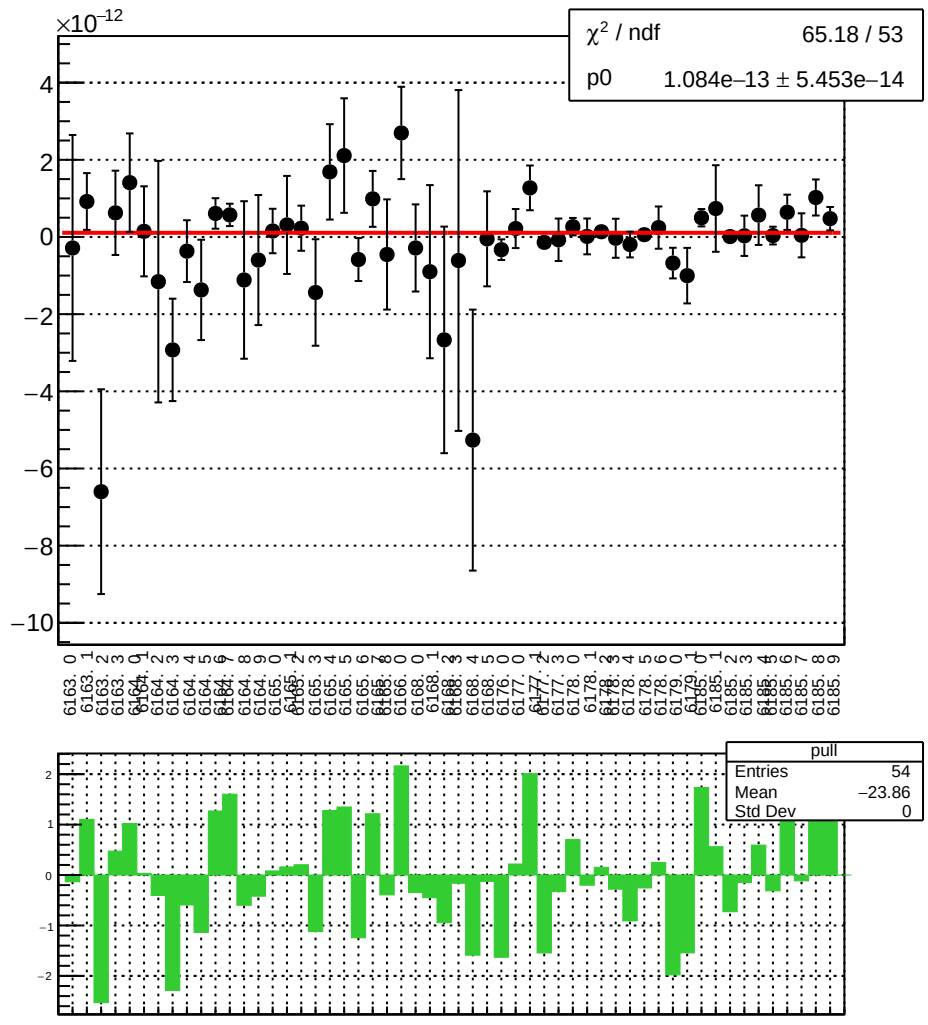

asym_sam_15_37_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.204e+05 / 53
p0 0.002073 ± 2.17e–06
0.004
0.0035
0.003
0.0025
0.002
0.0015
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

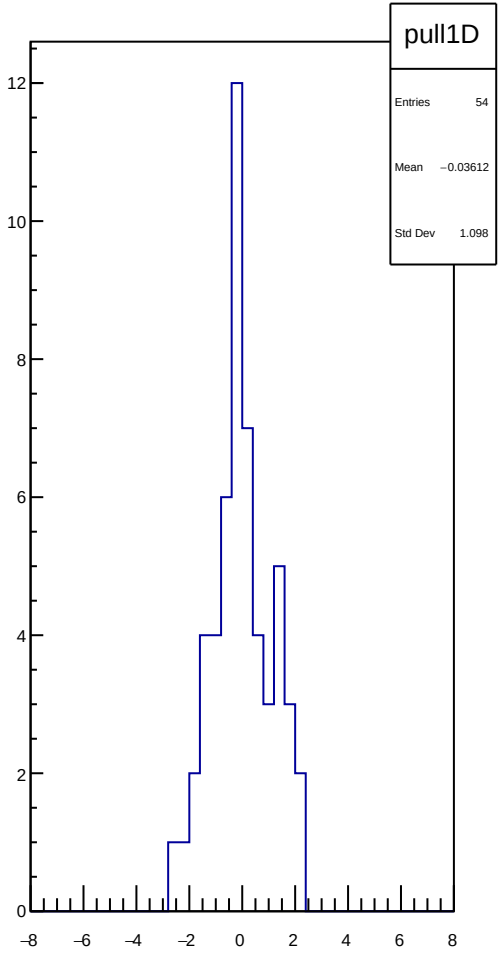

asym_sam_15_37_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 78.81 / 53
p0 0.03682 ± 0.0372
pull
Entries 54
Mean −6.597
Std Dev 0
pull1D
Entries 54
Mean 0.03223
Std Dev 1.208

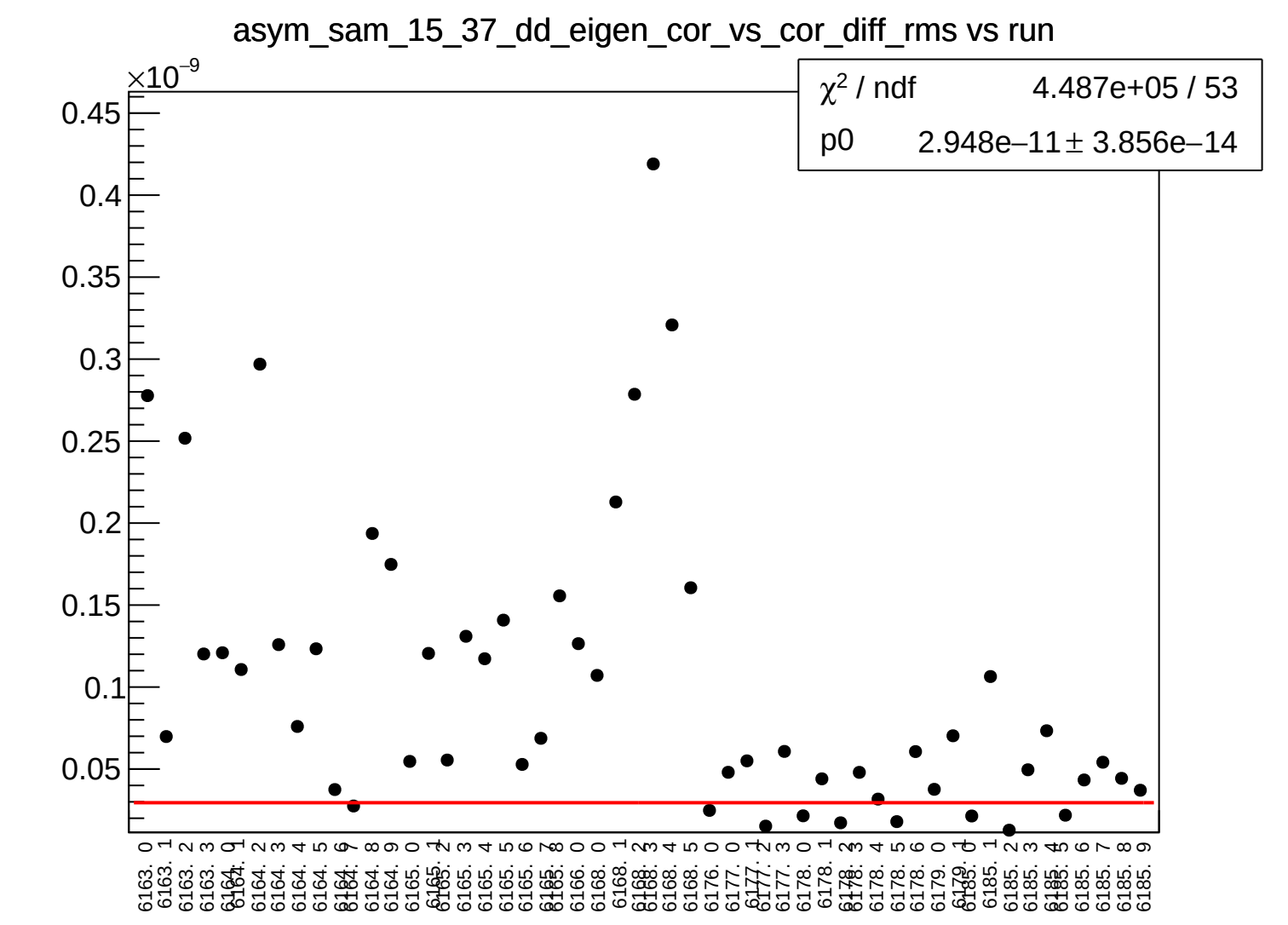

asym_sam_15_37_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 8.598e+04 / 53
p0 25.6 ± 0.0263
90
80
70
60
50
40
30
20
10
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

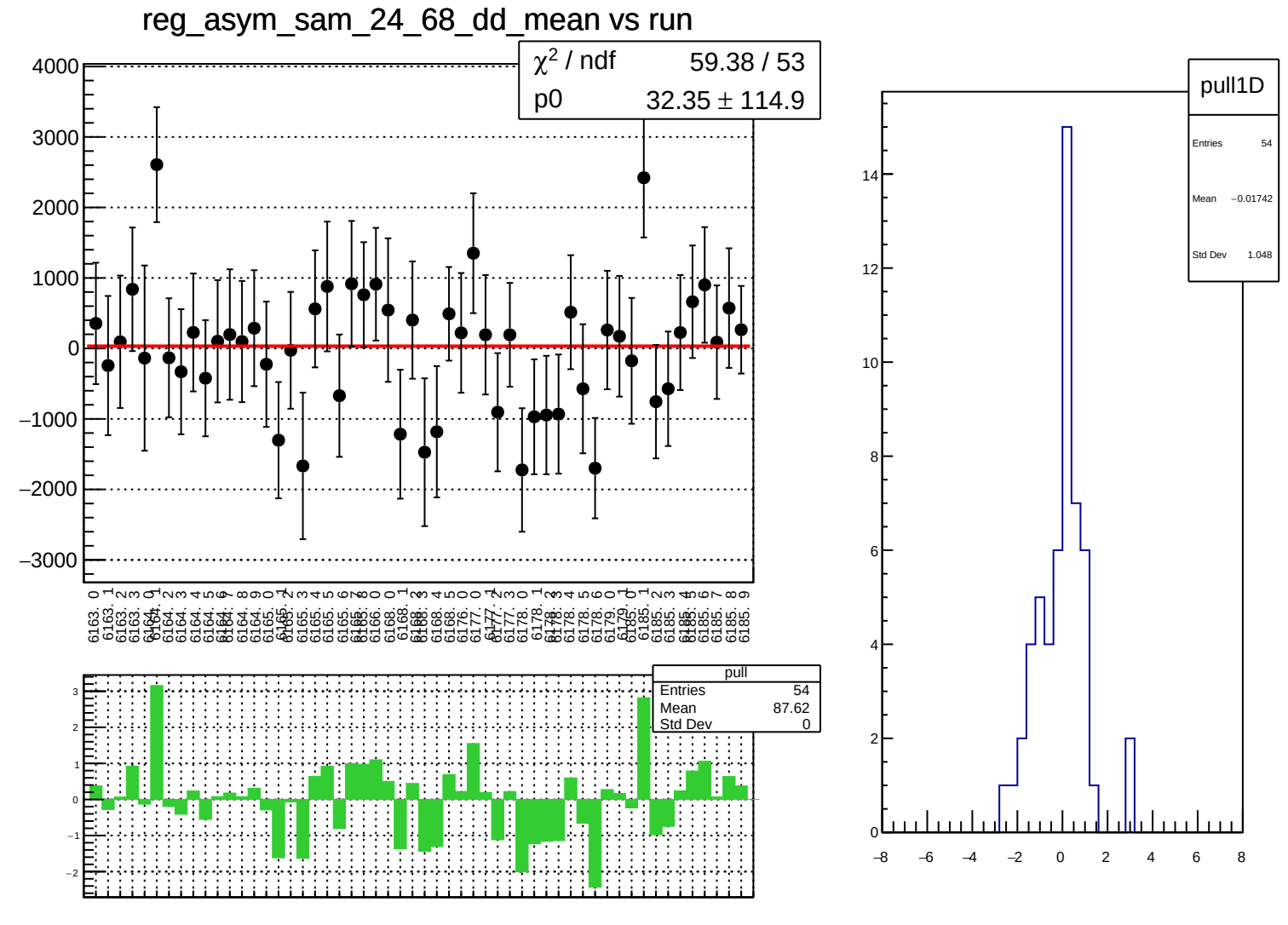

asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 78.81 / 53
p0 0.03682 ± 0.0372
pull
Entries 54
Mean −6.597
Std Dev 0
pull1D
Entries 54
Mean 0.03223
Std Dev 1.208

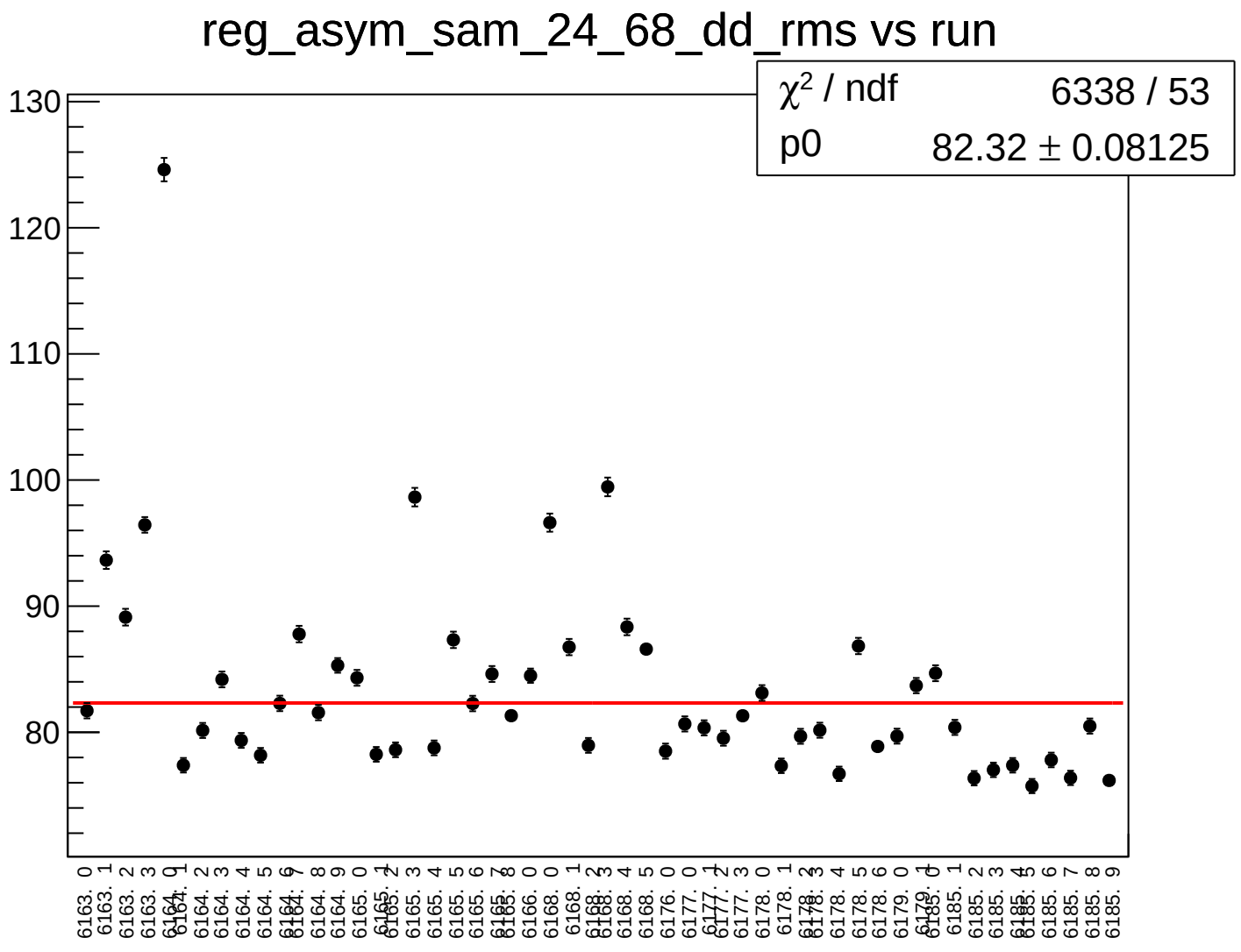

asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.598e+04 / 53
p0 25.6 ± 0.0263
90
80
70
60
50
40
30
20
10
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

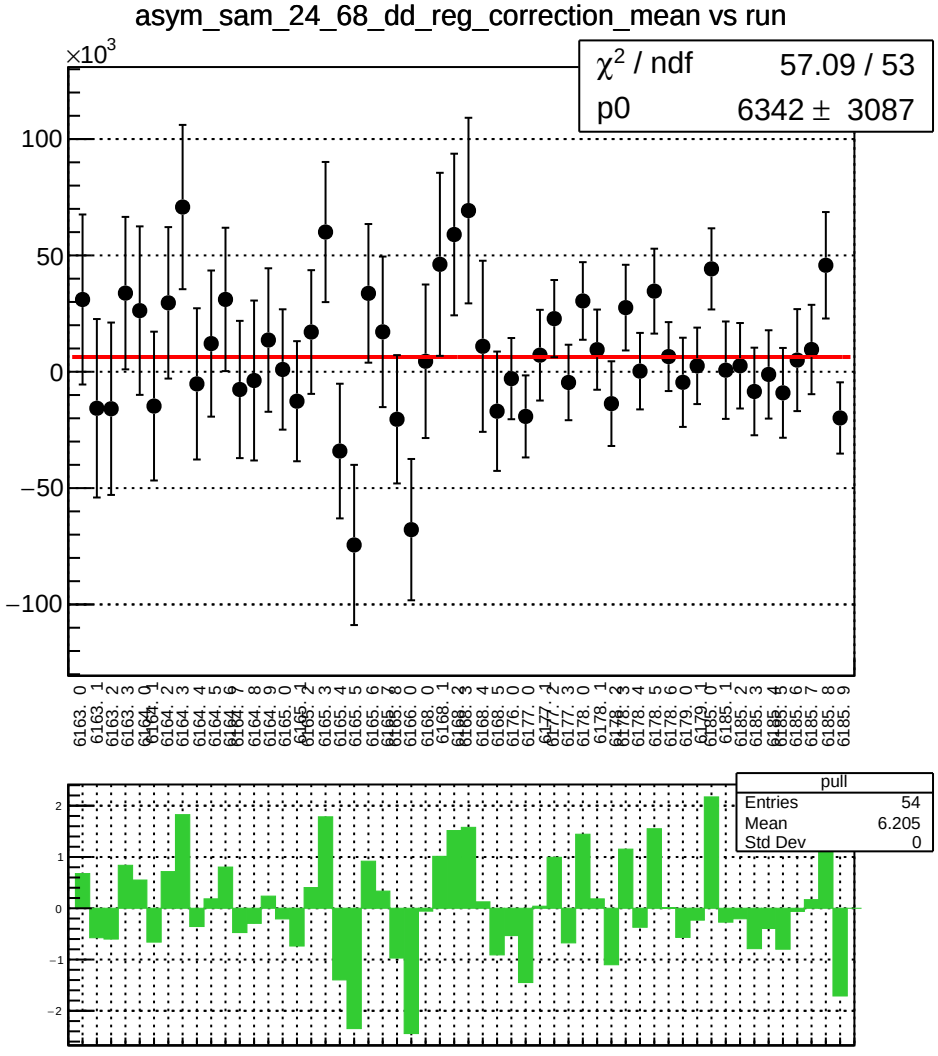

asym_sam_15_37_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 65.18 / 53
p0 1.084e−13 ± 5.453e−14
pull
Entries 54
Mean −23.86
Std Dev 0

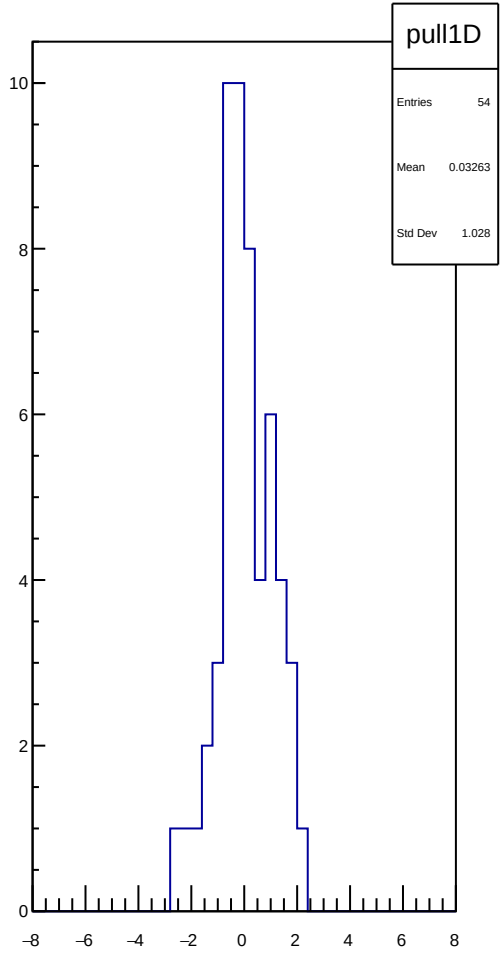

pull1D
Entries 54
Mean −0.03612
Std Dev 1.098

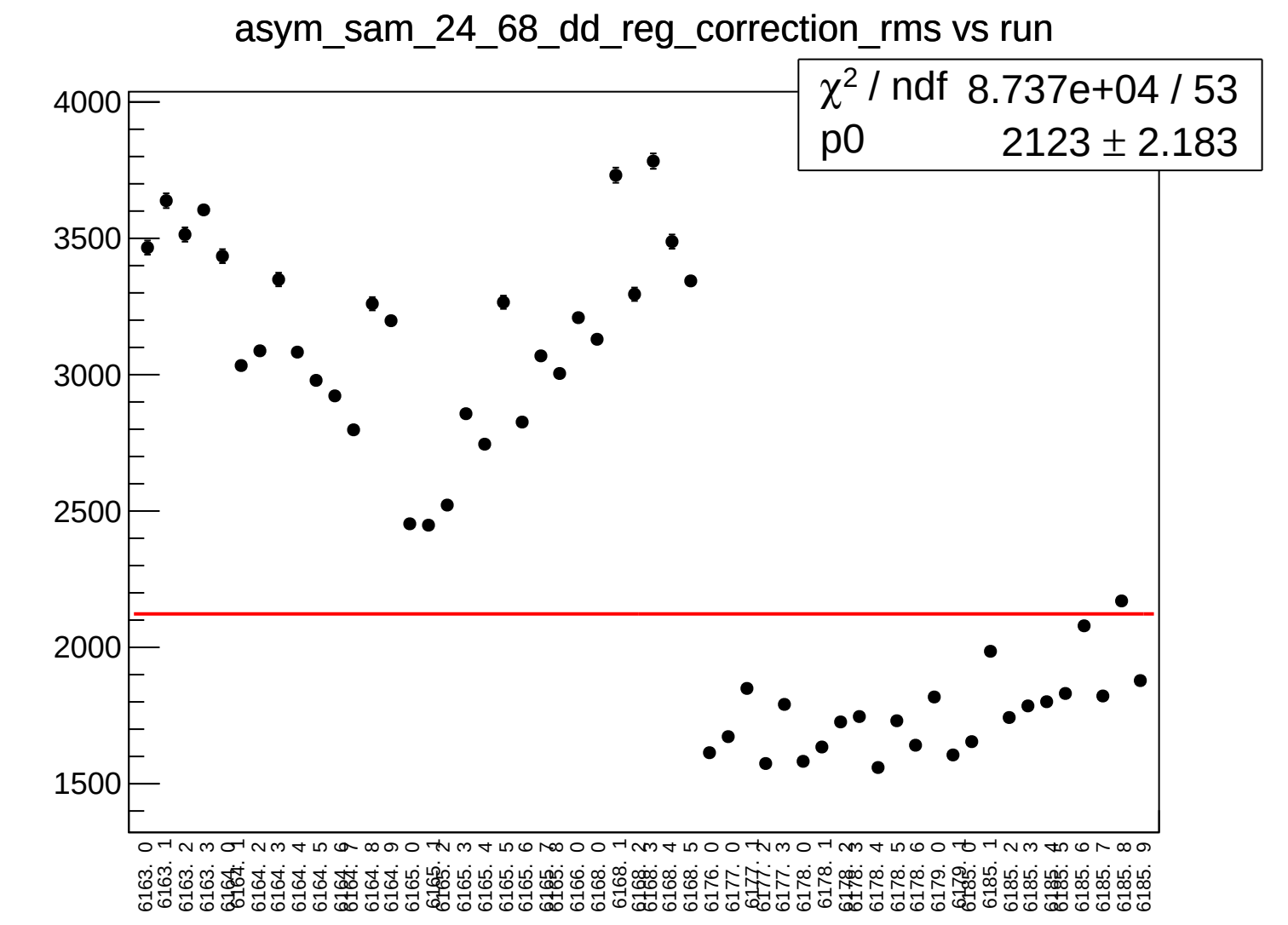

asym_sam_15_37_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.487e+05 / 53
p0 2.948e−11 ± 3.856e−14
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 4
6185. 6
6185. 7
6185. 8
6185. 9

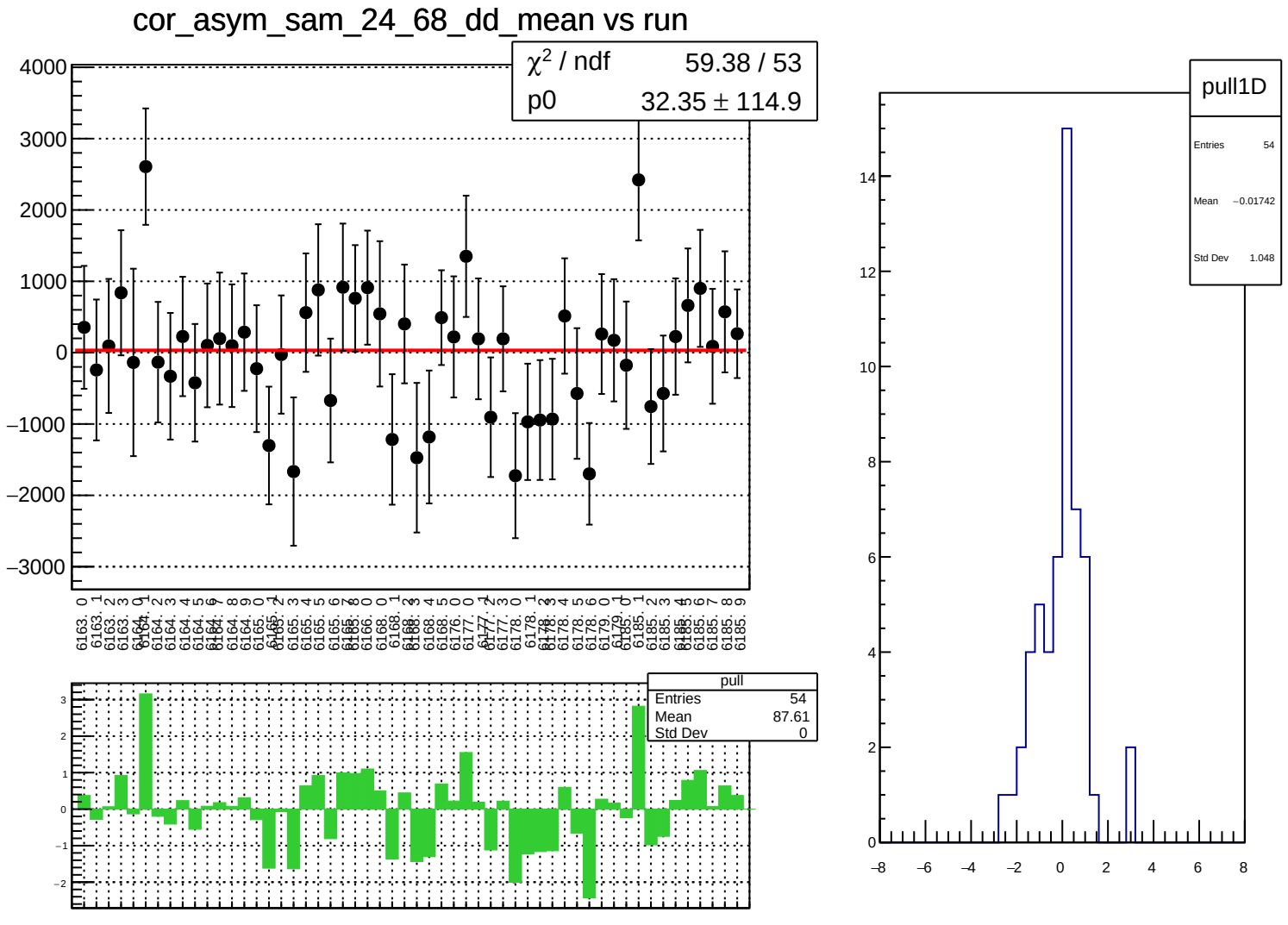

reg_asym_sam_24_68_dd_mean vs run
χ² / ndf 59.38 / 53
p0 32.35 ± 114.9
pull
Entries 54
Mean 87.62
Std Dev 0
pull1D
Entries 54
Mean −0.01742
Std Dev 1.048

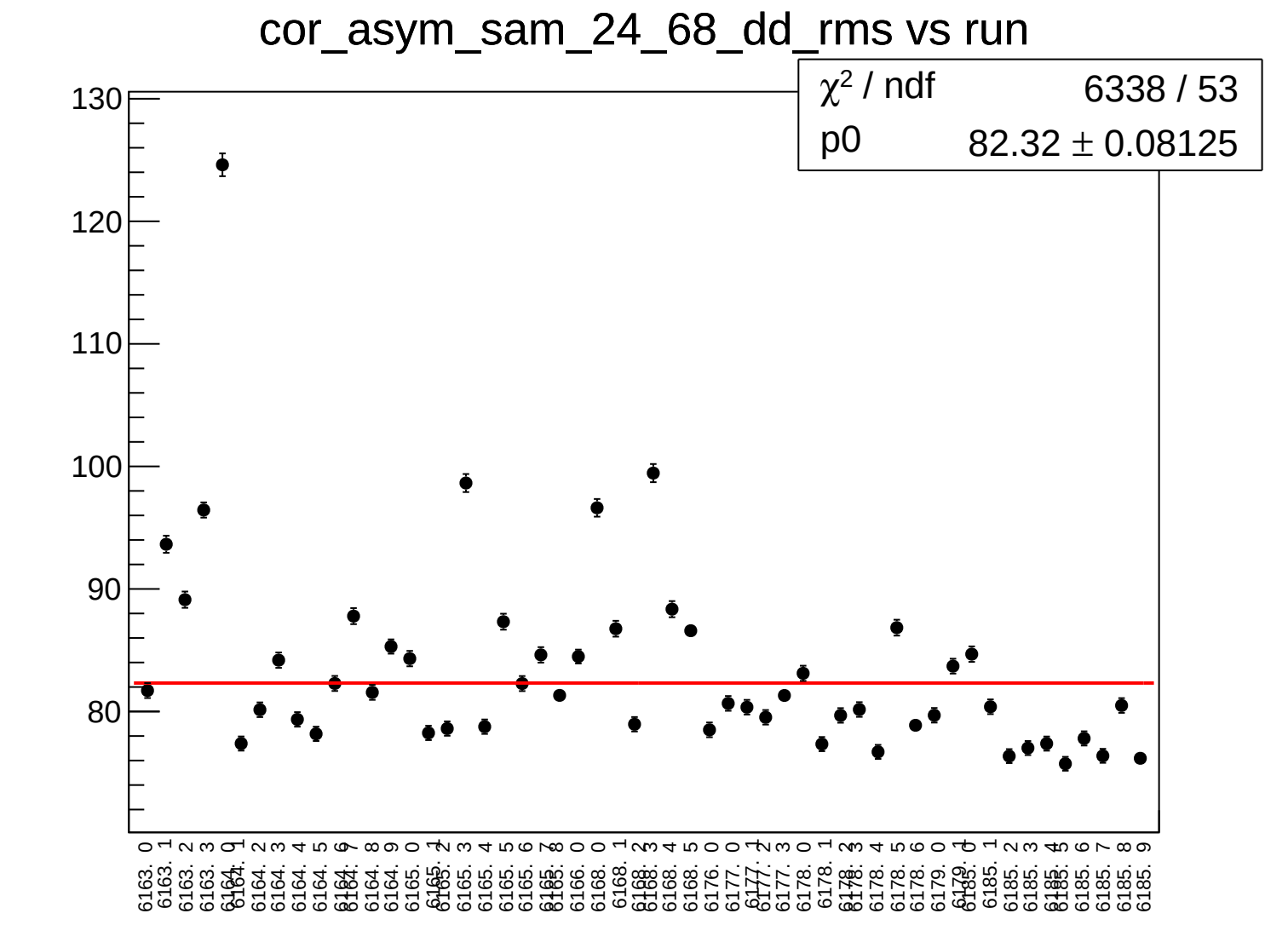

reg_asym_sam_24_68_dd_rms vs run
χ² / ndf 6338 / 53
p0 82.32 ± 0.08125
130
120
110
100
90
80
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

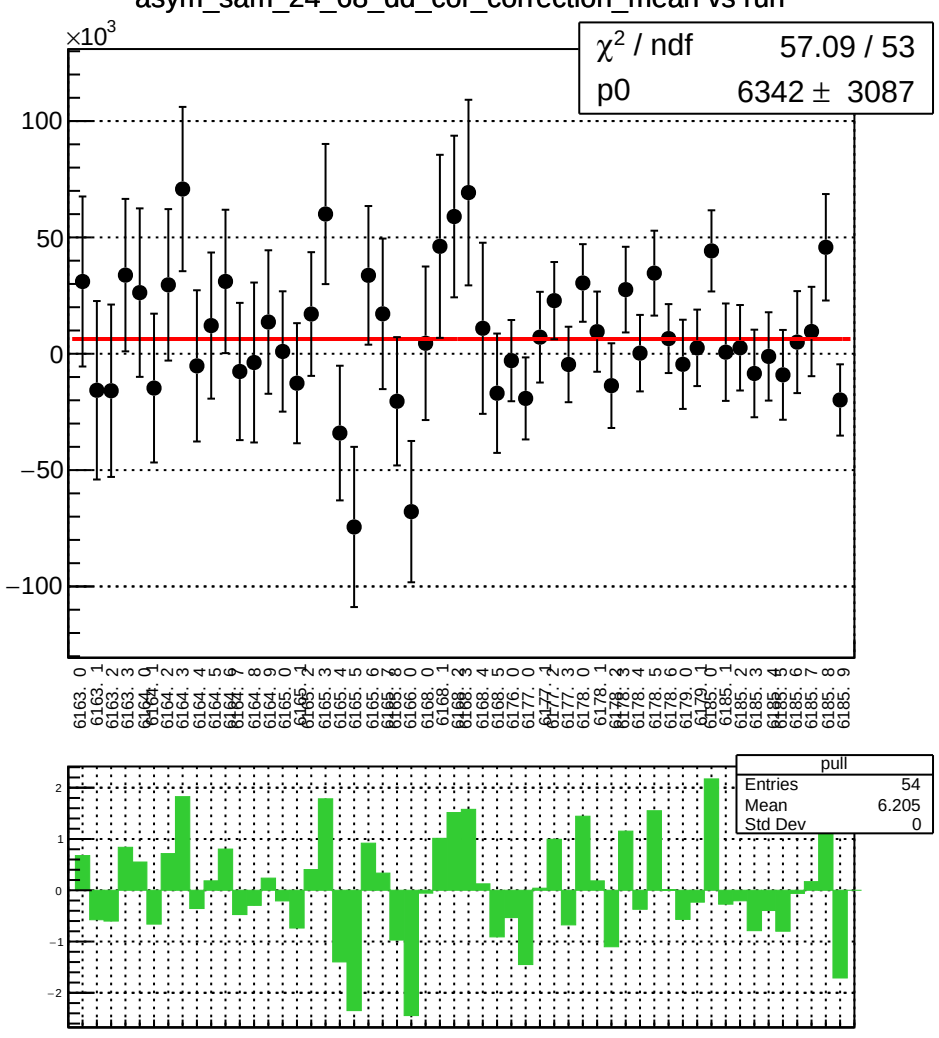

asym_sam_24_68_dd_reg_correction_mean vs run
×10^3
χ² / ndf 57.09 / 53
p0 6342 ± 3087
100
50
0
−50
−100
pull
Entries 54
Mean 6.205
Std Dev 0
2
1
0
−1
−2

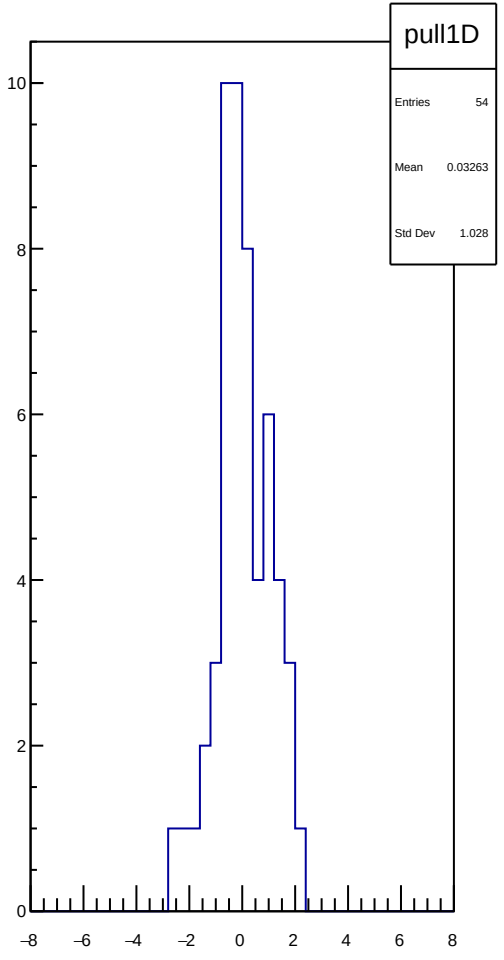

pull1D
Entries 54
Mean 0.03263
Std Dev 1.028
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

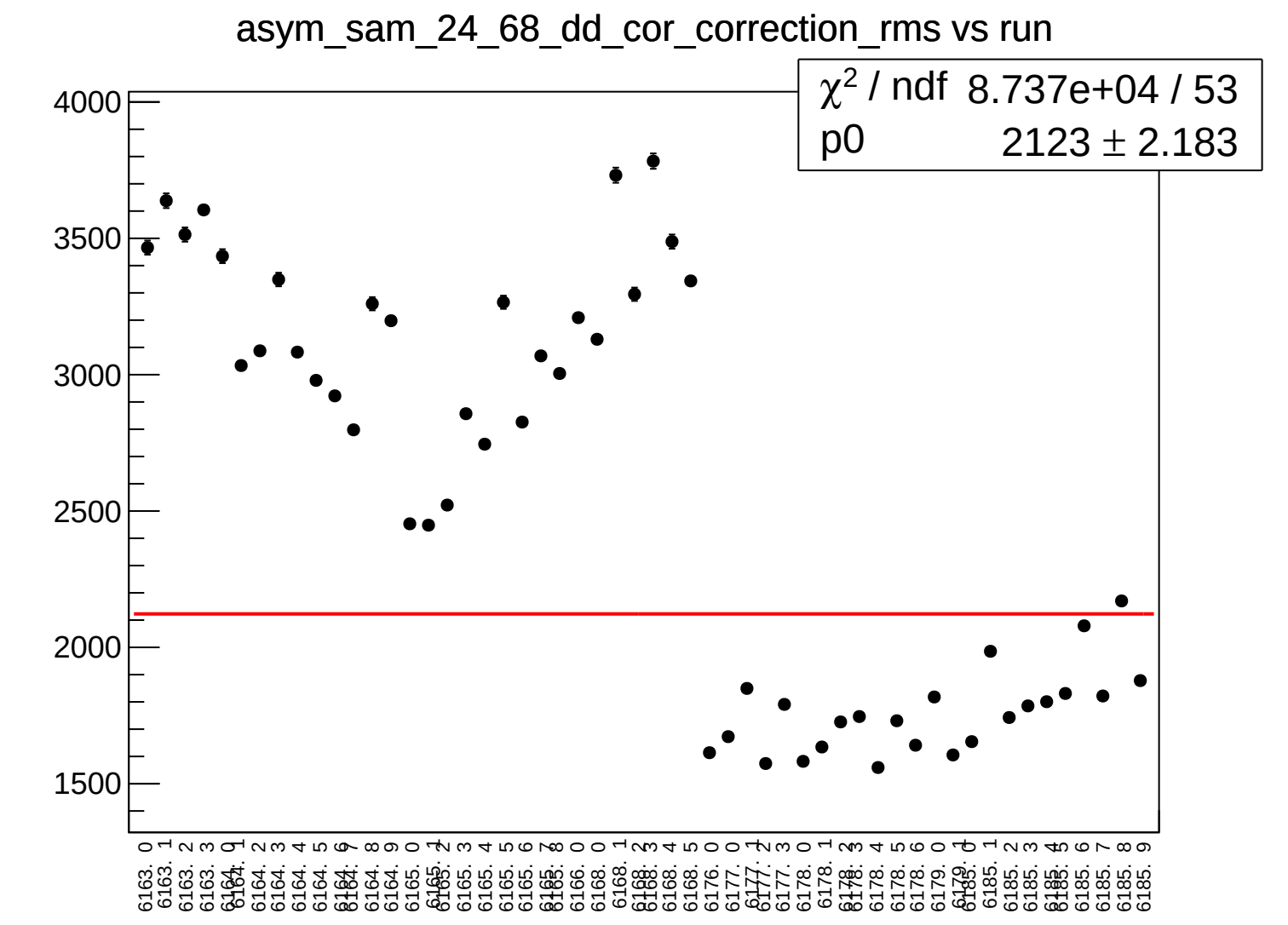

asym_sam_24_68_dd_reg_correction_rms vs run
χ² / ndf 8.737e+04 / 53
p0 2123 ± 2.183
4000
3500
3000
2500
2000
1500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

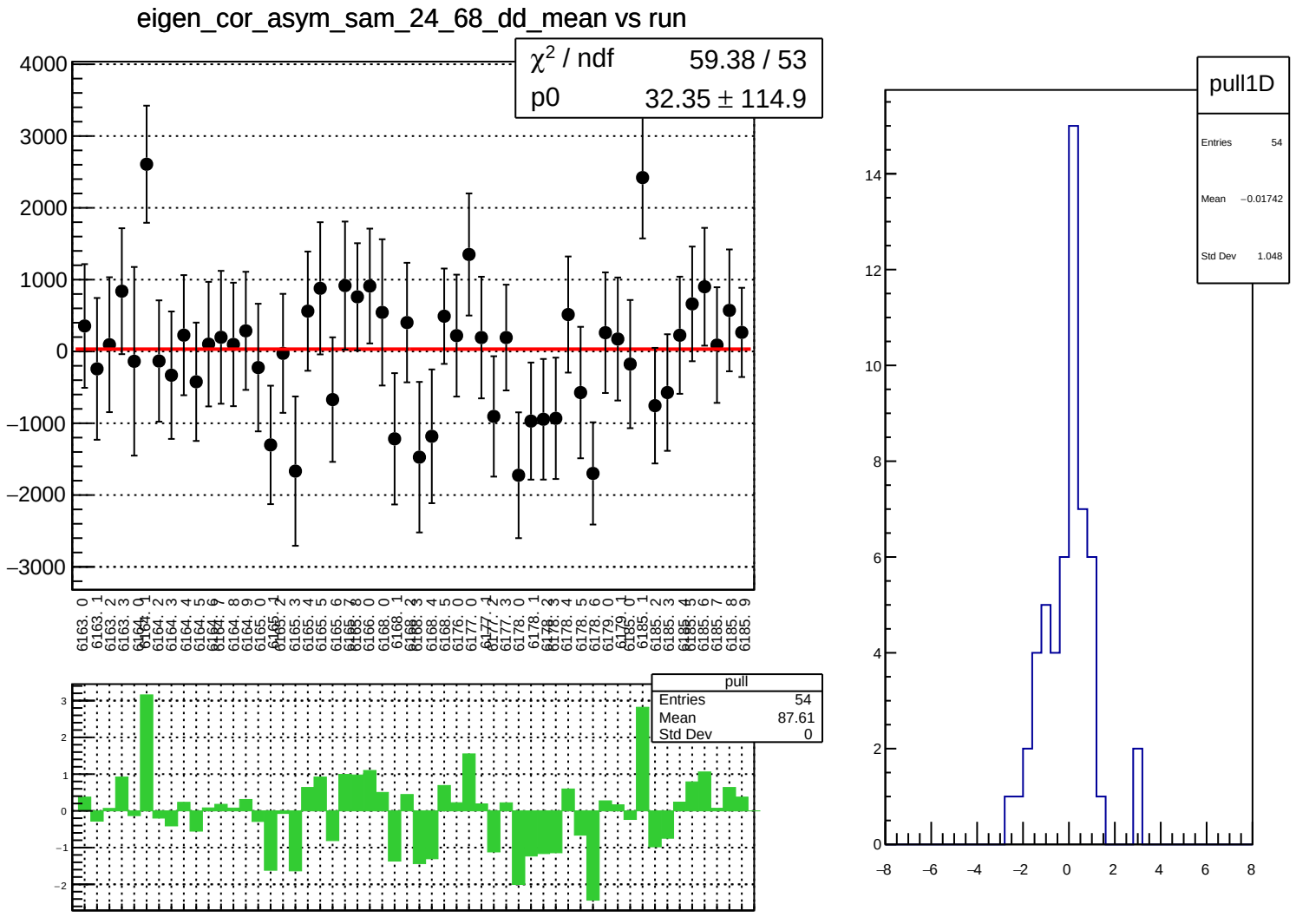

cor_asym_sam_24_68_dd_mean vs run
χ² / ndf 59.38 / 53
p0 32.35 ± 114.9
pull
Entries 54
Mean 87.61
Std Dev 0
pull1D
Entries 54
Mean −0.01742
Std Dev 1.048

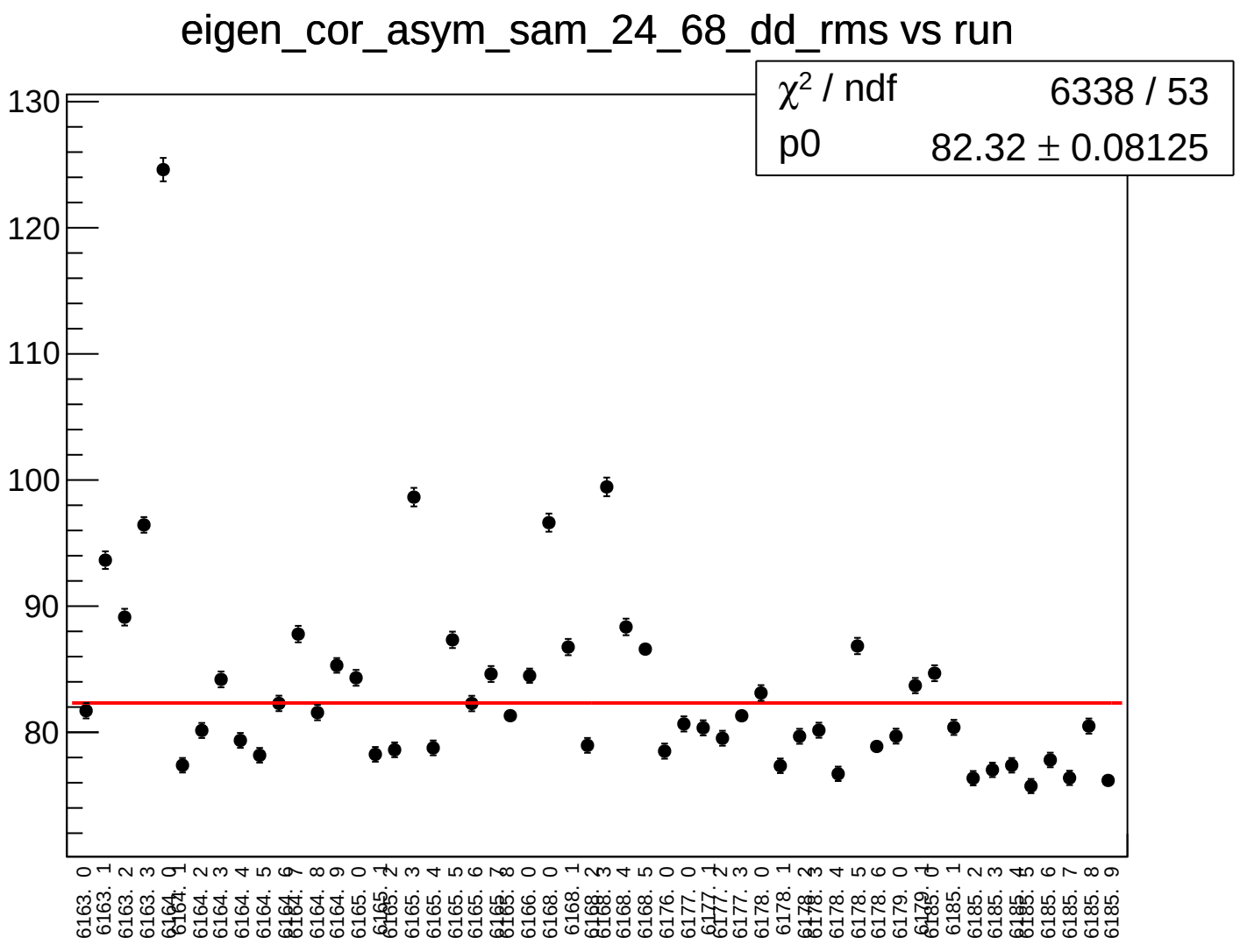

cor_asym_sam_24_68_dd_rms vs run
χ² / ndf 6338 / 53
p0 82.32 ± 0.08125
130
120
110
100
90
80
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

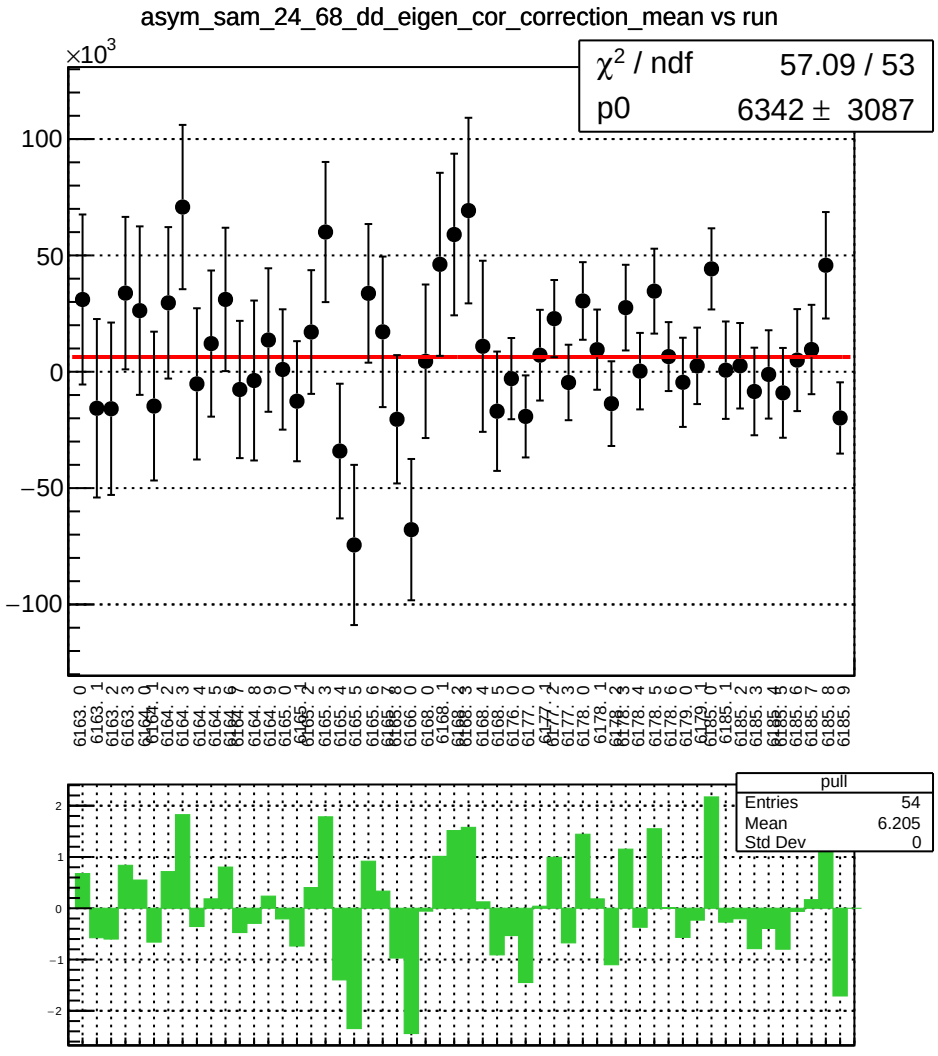

asym_sam_24_68_dd_cor_correction_mean vs run
χ² / ndf 57.09 / 53
p0 6342 ± 3087
pull
Entries 54
Mean 6.205
Std Dev 0

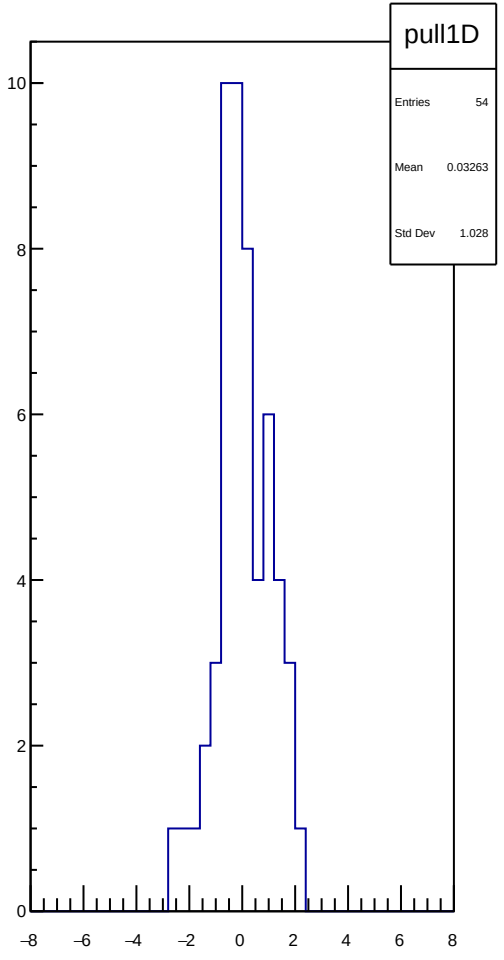

pull1D
Entries 54
Mean 0.03263
Std Dev 1.028


asym_sam_24_68_dd_cor_correction_rms vs run
χ² / ndf 8.737e+04 / 53
p0 2123 ± 2.183
4000
3500
3000
2500
2000
1500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


eigen_cor_asym_sam_24_68_dd_mean vs run
χ^2 / ndf 59.38 / 53
p0 32.35 ± 114.9
pull
Entries 54
Mean 87.61
Std Dev 0
pull1D
Entries 54
Mean −0.01742
Std Dev 1.048


eigen_cor_asym_sam_24_68_dd_rms vs run
χ² / ndf 6338 / 53
p0 82.32 ± 0.08125
130
120
110
100
90
80
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


asym_sam_24_68_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 57.09 / 53
p0 6342 ± 3087
100
50
0
−50
−100
pull
Entries 54
Mean 6.205
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 54
Mean 0.03263
Std Dev 1.028
10
8
6
4
2
0
−8
−6
−4
−2
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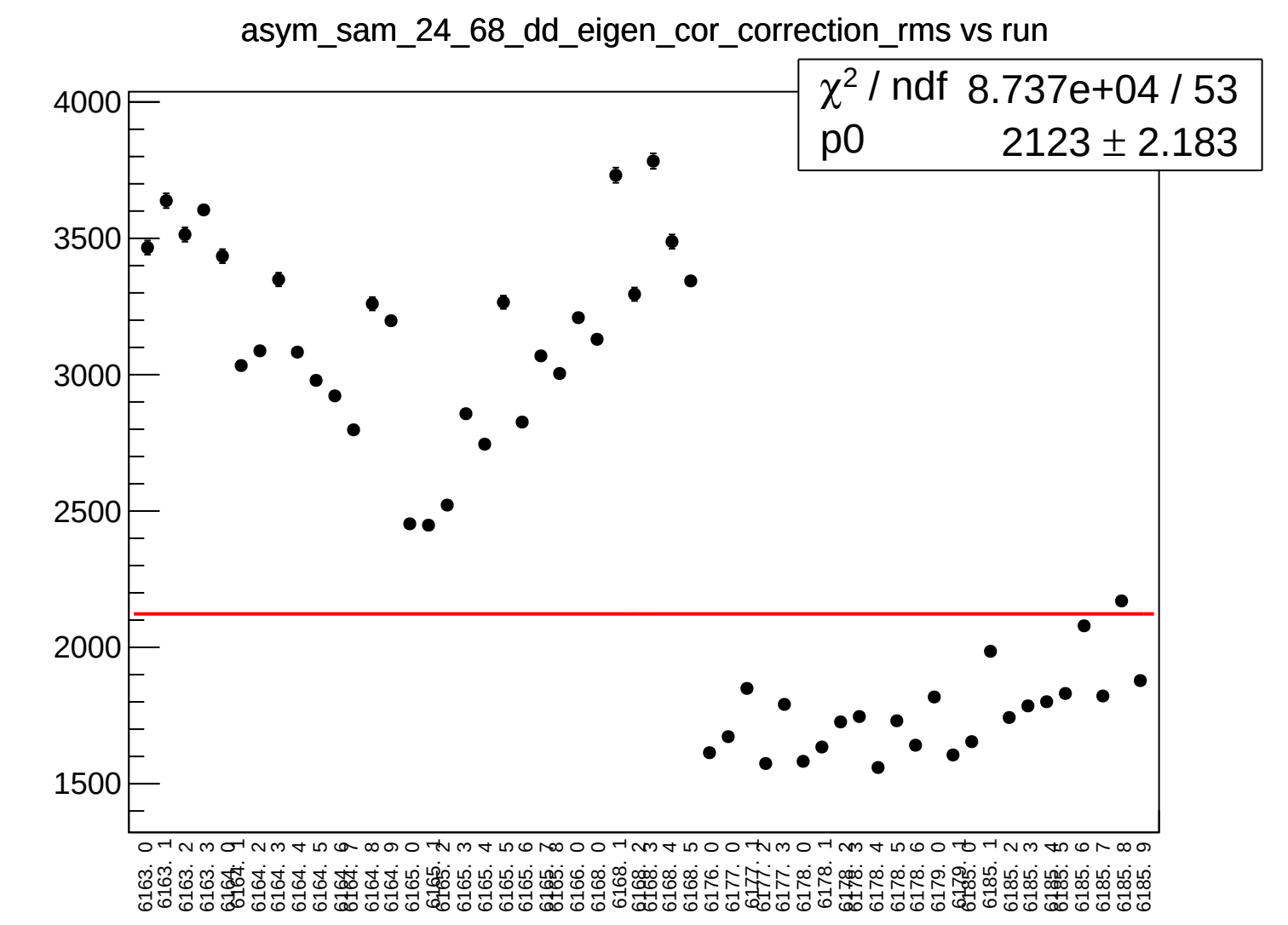
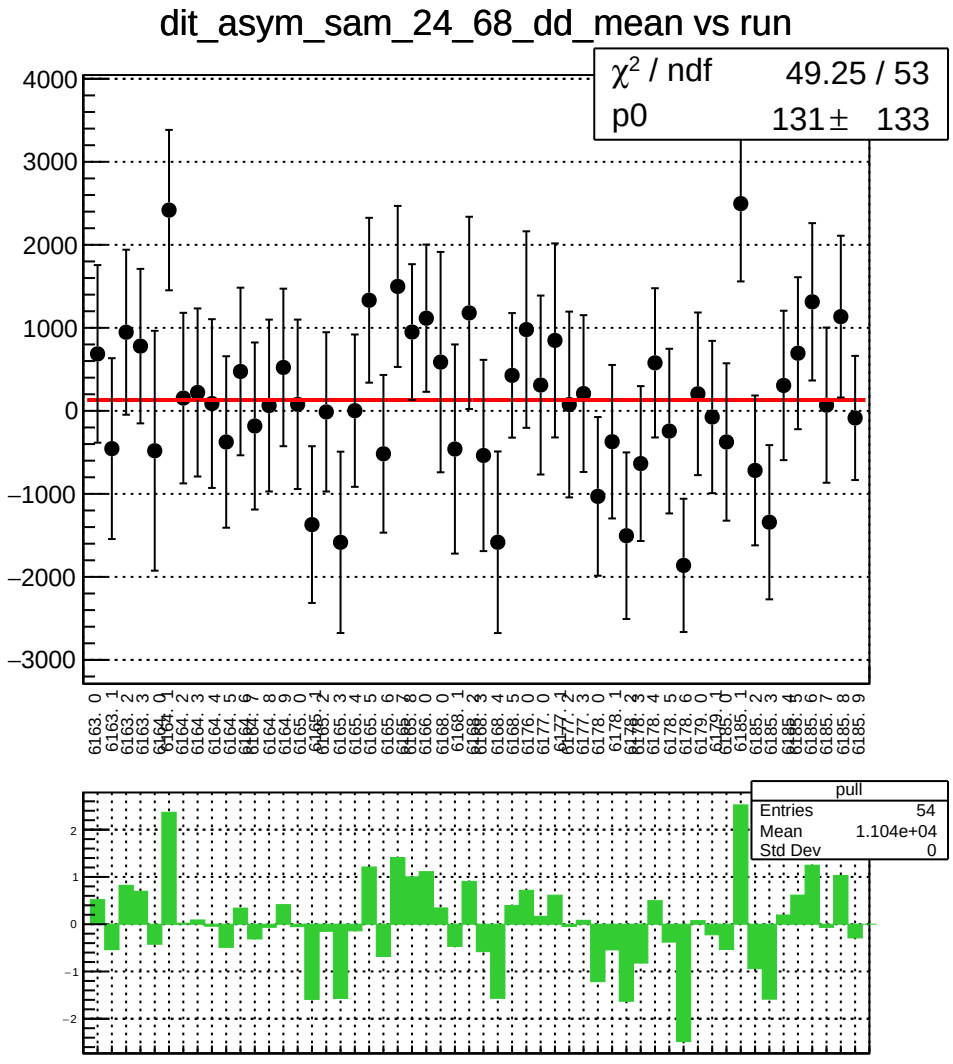
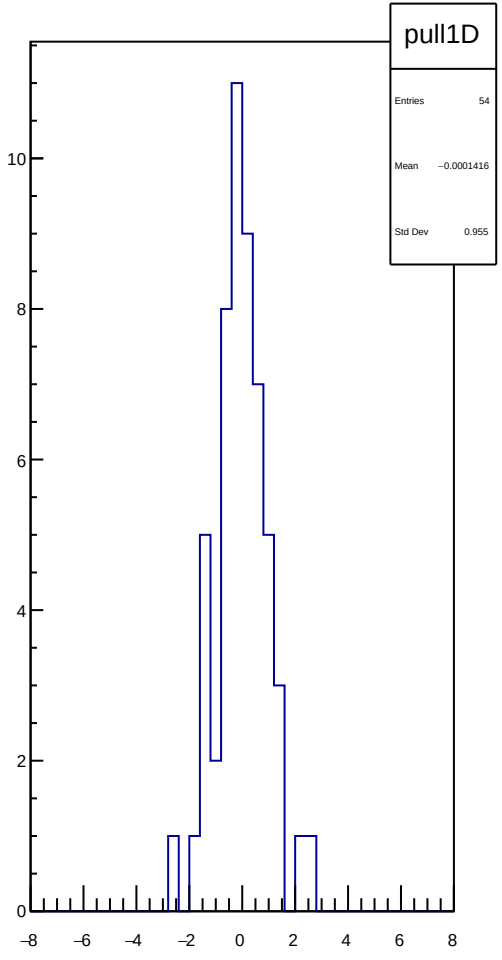
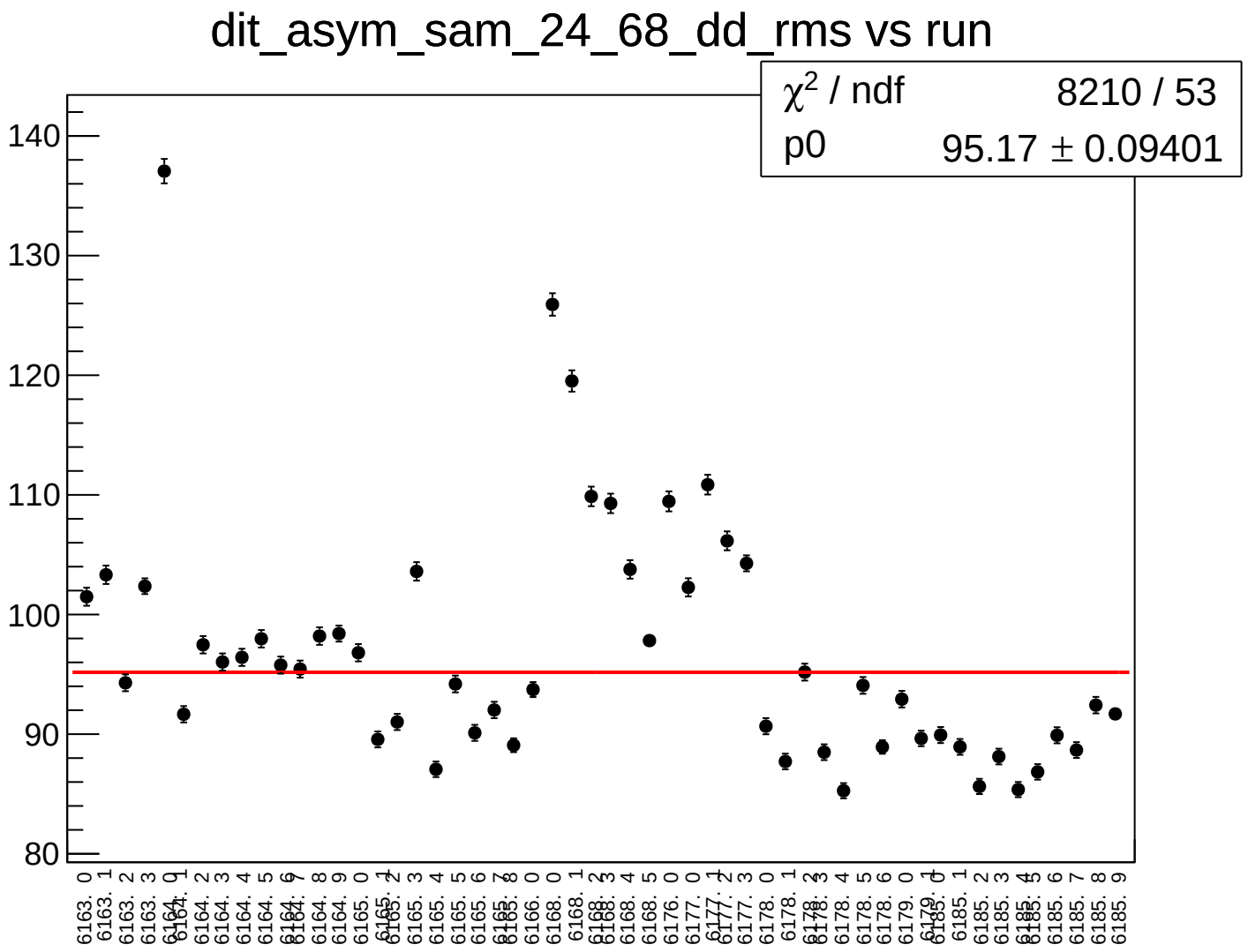
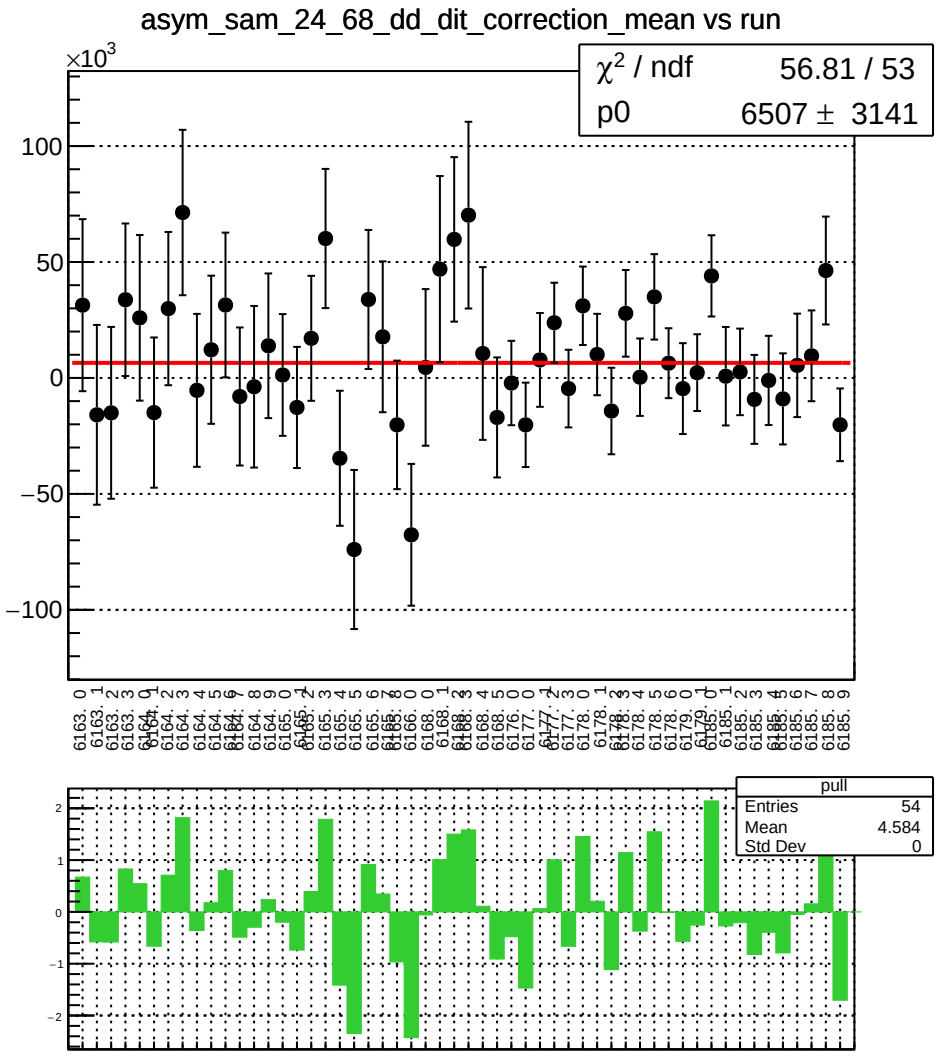
2
4
6
8

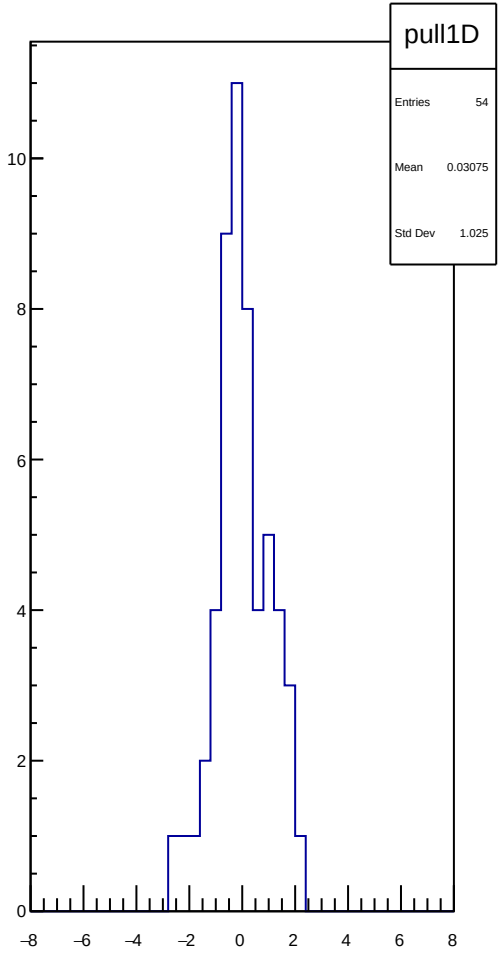

asym_sam_24_68_dd_eigen_cor_correction_rms vs run
χ² / ndf 8.737e+04 / 53
p0 2123 ± 2.183
4000
3500
3000
2500
2000
1500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

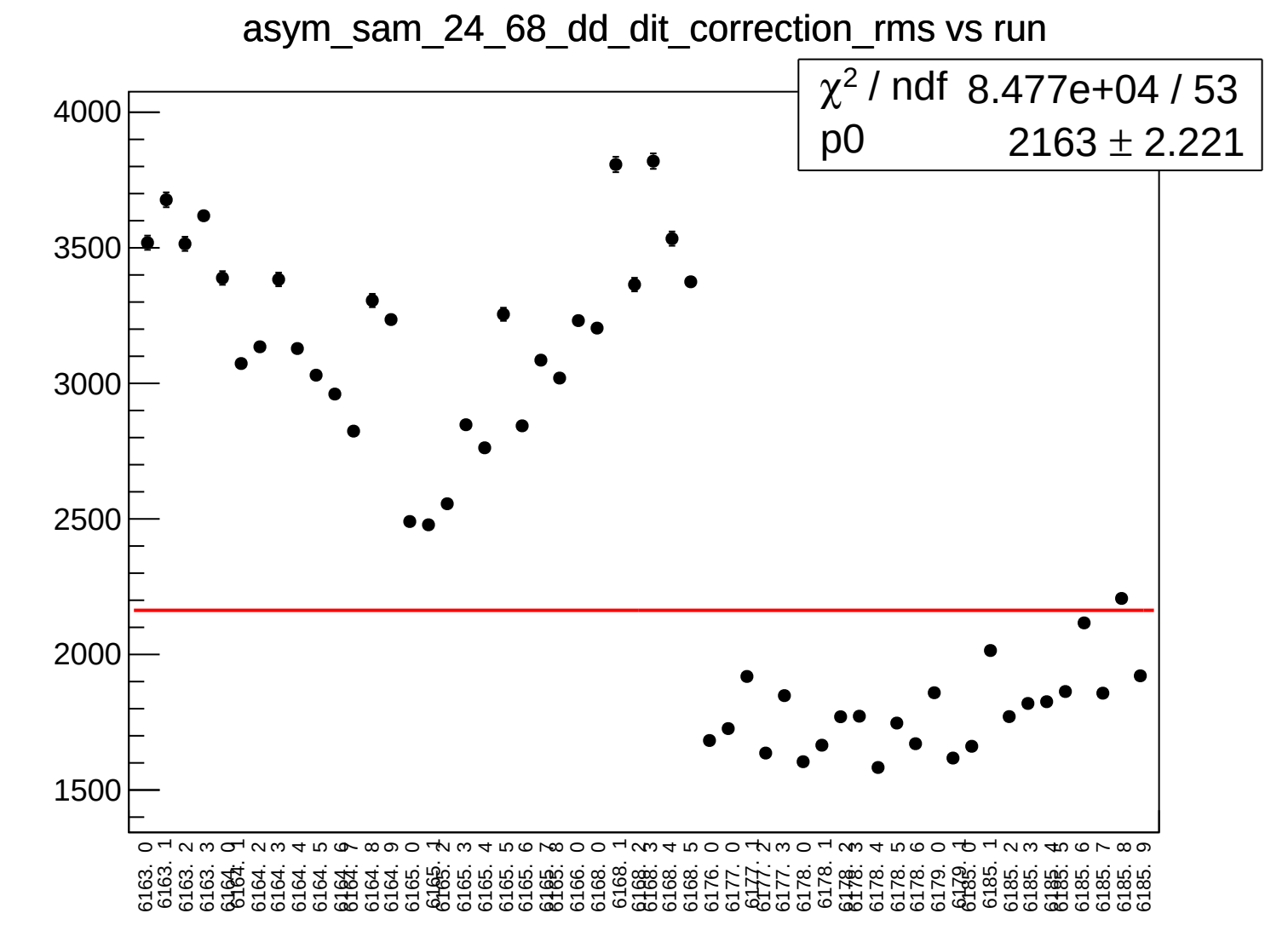

dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 49.25 / 53
p0 131 ± 133
pull
Entries 54
Mean 1.104e+04
Std Dev 0

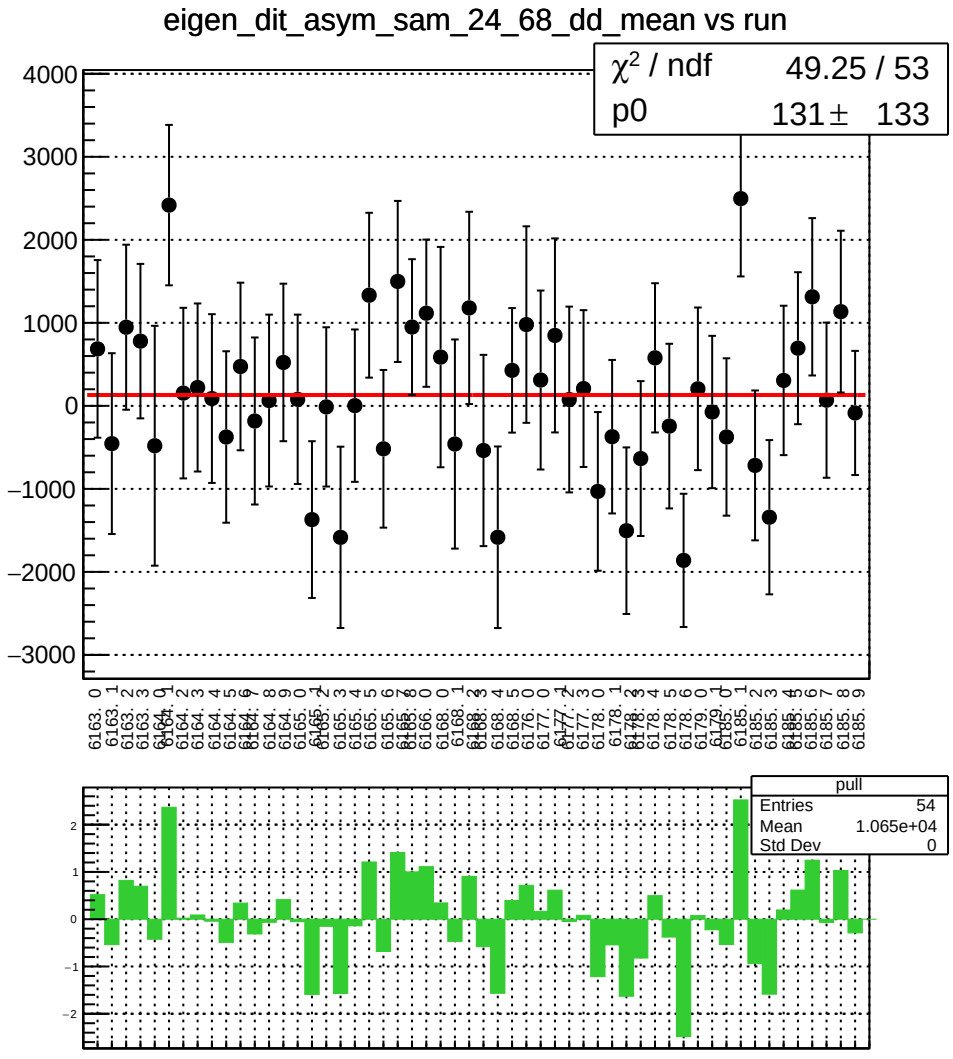

pull1D
Entries 54
Mean −0.0001416
Std Dev 0.955

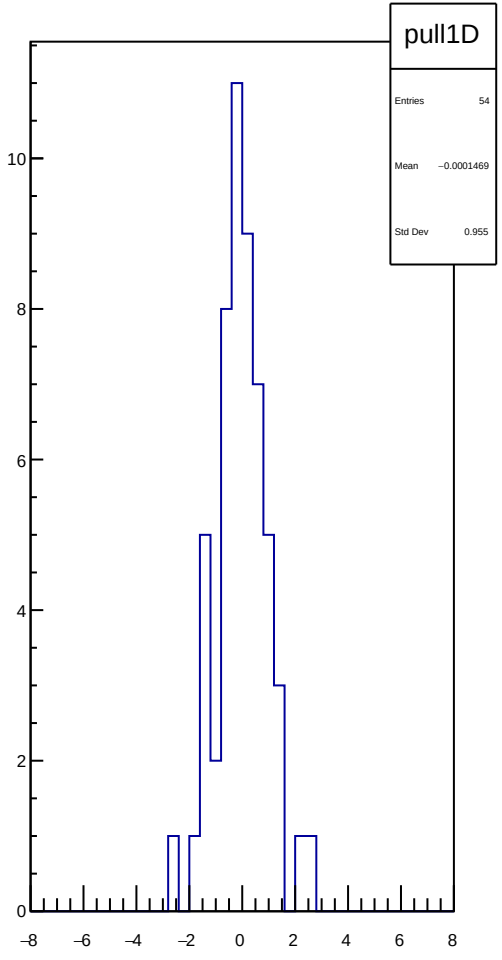

dit_asym_sam_24_68_dd_rms vs run
χ² / ndf 8210 / 53
p0 95.17 ± 0.09401
140
130
120
110
100
90
80
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

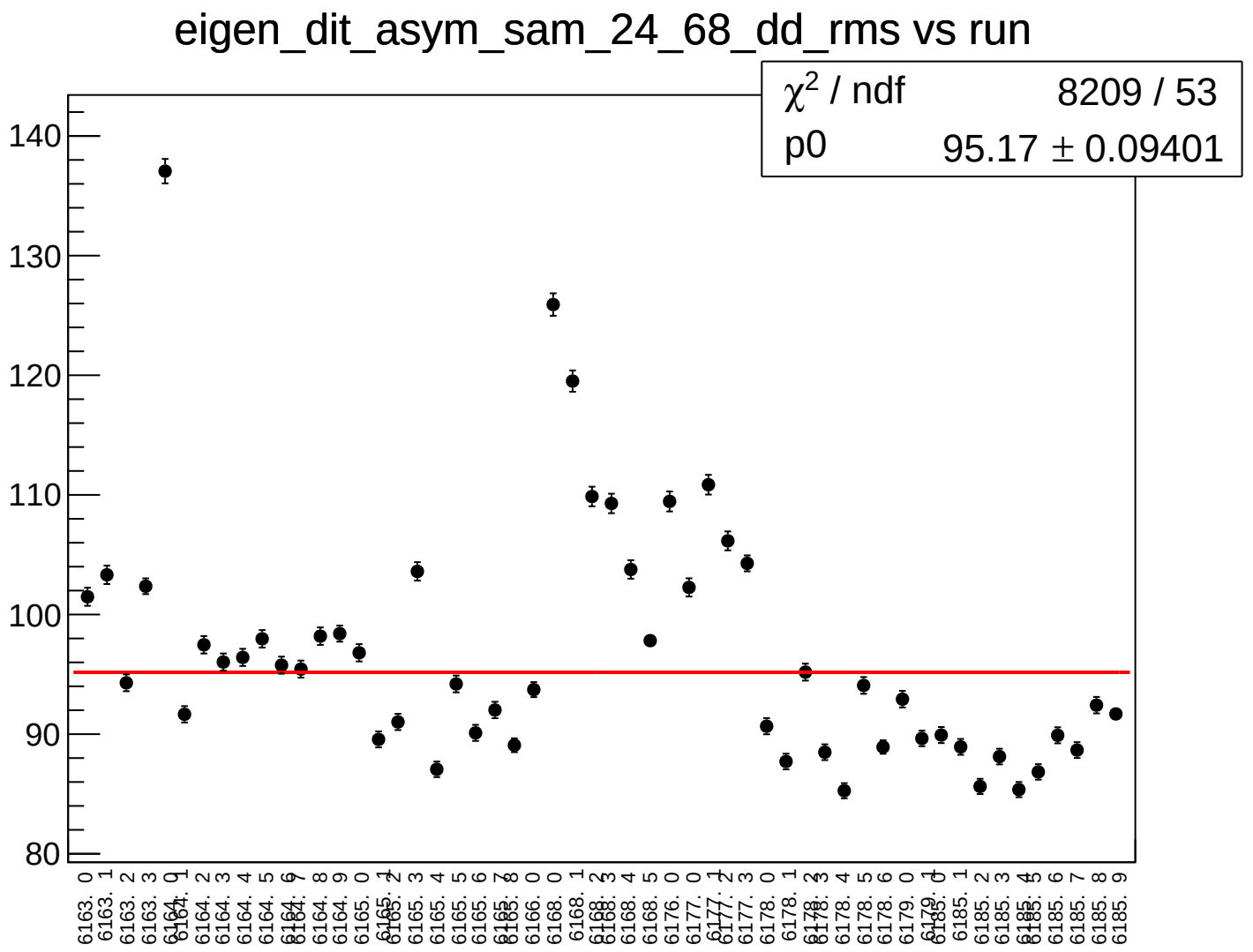

asym_sam_24_68_dd_dit_correction_mean vs run
×10^3
χ² / ndf 56.81 / 53
p0 6507 ± 3141
100
50
0
−50
−100
pull
Entries 54
Mean 4.584
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 54
Mean 0.03075
Std Dev 1.025
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_24_68_dd_dit_correction_rms vs run
χ² / ndf 8.477e+04 / 53
p0 2163 ± 2.221
4000
3500
3000
2500
2000
1500
6163. 0
6163. 1
6163. 2
6163. 3
6163. 4
6163. 5
6163. 6
6163. 7
6163. 8
6163. 9
6164. 0
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 6
6164. 7
6164. 8
6164. 9
6165. 0
6165. 1
6165. 2
6165. 3
6165. 4
6165. 5
6165. 6
6165. 7
6165. 8
6165. 9
6166. 0
6168. 0
6168. 1
6168. 2
6168. 3
6168. 4
6168. 5
6176. 0
6177. 0
6177. 1
6177. 2
6177. 3
6178. 0
6178. 1
6178. 2
6178. 3
6178. 4
6178. 5
6178. 6
6179. 0
6179. 1
6185. 0
6185. 1
6185. 2
6185. 3
6185. 4
6185. 5
6185. 6
6185. 7
6185. 8
6185. 9


eigen_dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 49.25 / 53
p0 131 ± 133
pull
Entries 54
Mean 1.065e+04
Std Dev 0


pull1D
Entries 54
Mean −0.0001469
Std Dev 0.955


eigen_dit_asym_sam_24_68_dd_rms vs run
χ² / ndf 8209 / 53
p0 95.17 ± 0.09401
140
130
120
110
100
90
80
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
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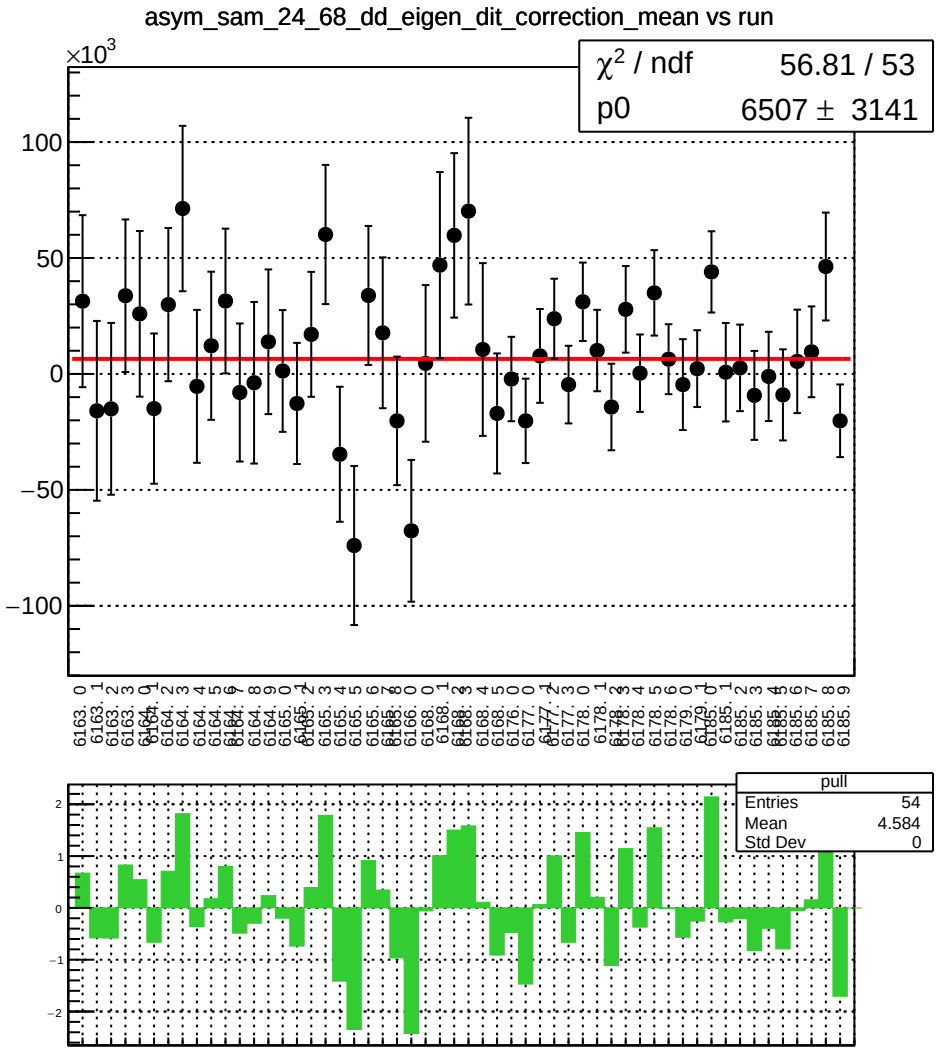
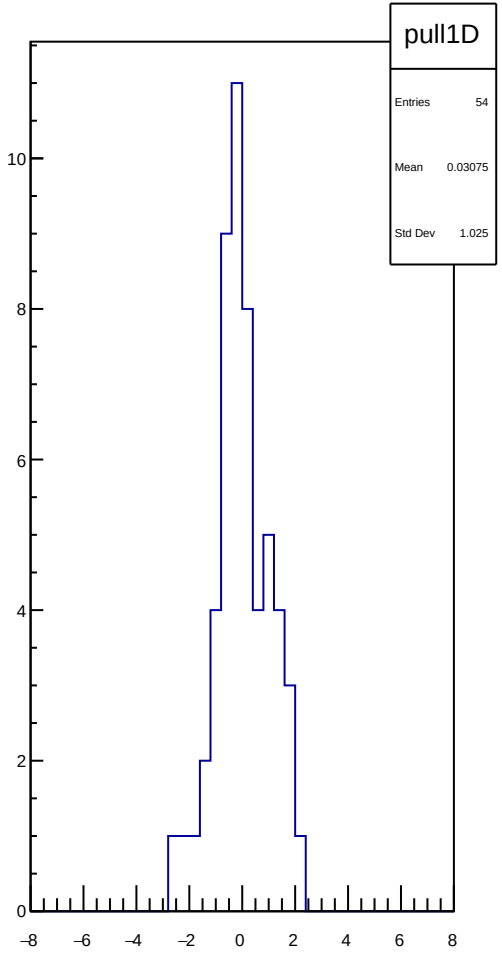
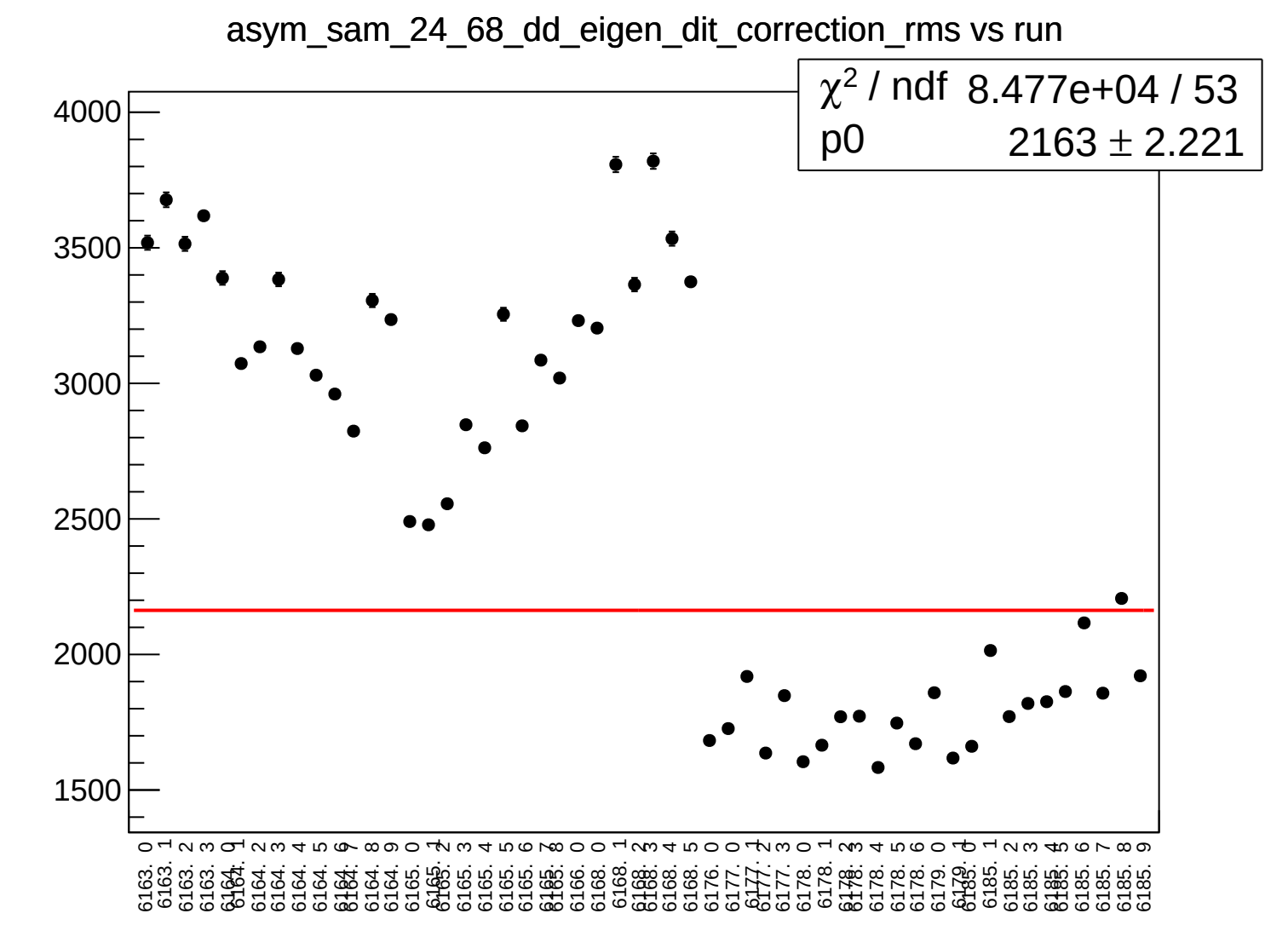
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


asym_sam_24_68_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 56.81 / 53
p0 6507 ± 3141
100
50
0
−50
−100
pull
Entries 54
Mean 4.584
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 54
Mean 0.03075
Std Dev 1.025
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_24_68_dd_eigen_dit_correction_rms vs run
χ² / ndf 8.477e+04 / 53
p0 2163 ± 2.221
4000
3500
3000
2500
2000
1500
6163. 0
6163. 1
6163. 2
6163. 3
6163. 9
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
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6178. 6
6179. 0
6185. 1
6185. 2
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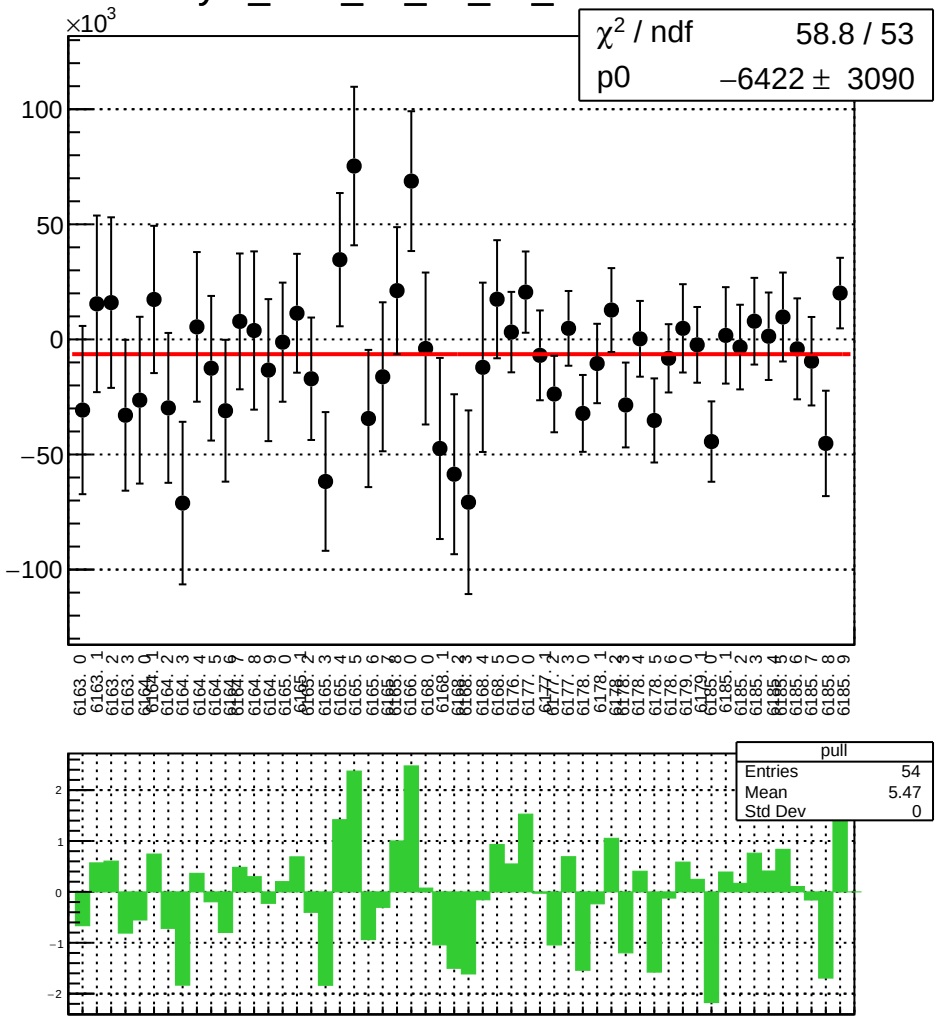
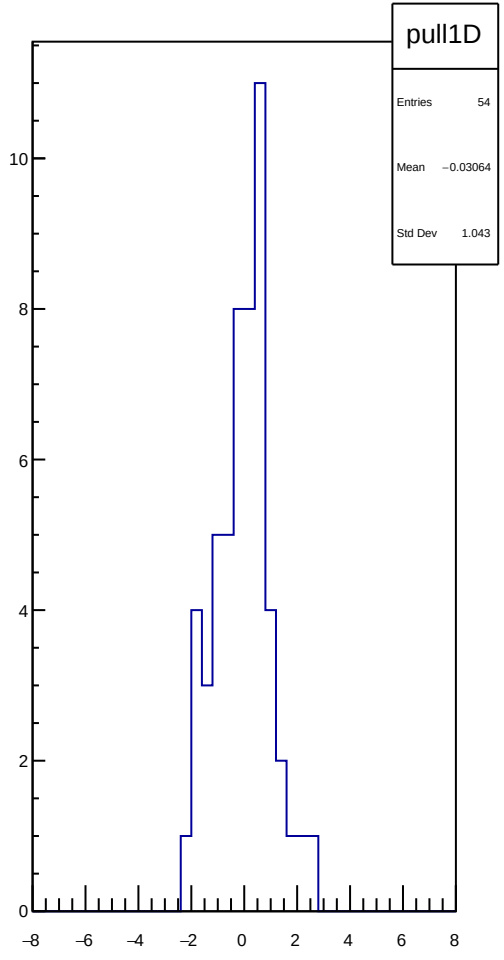
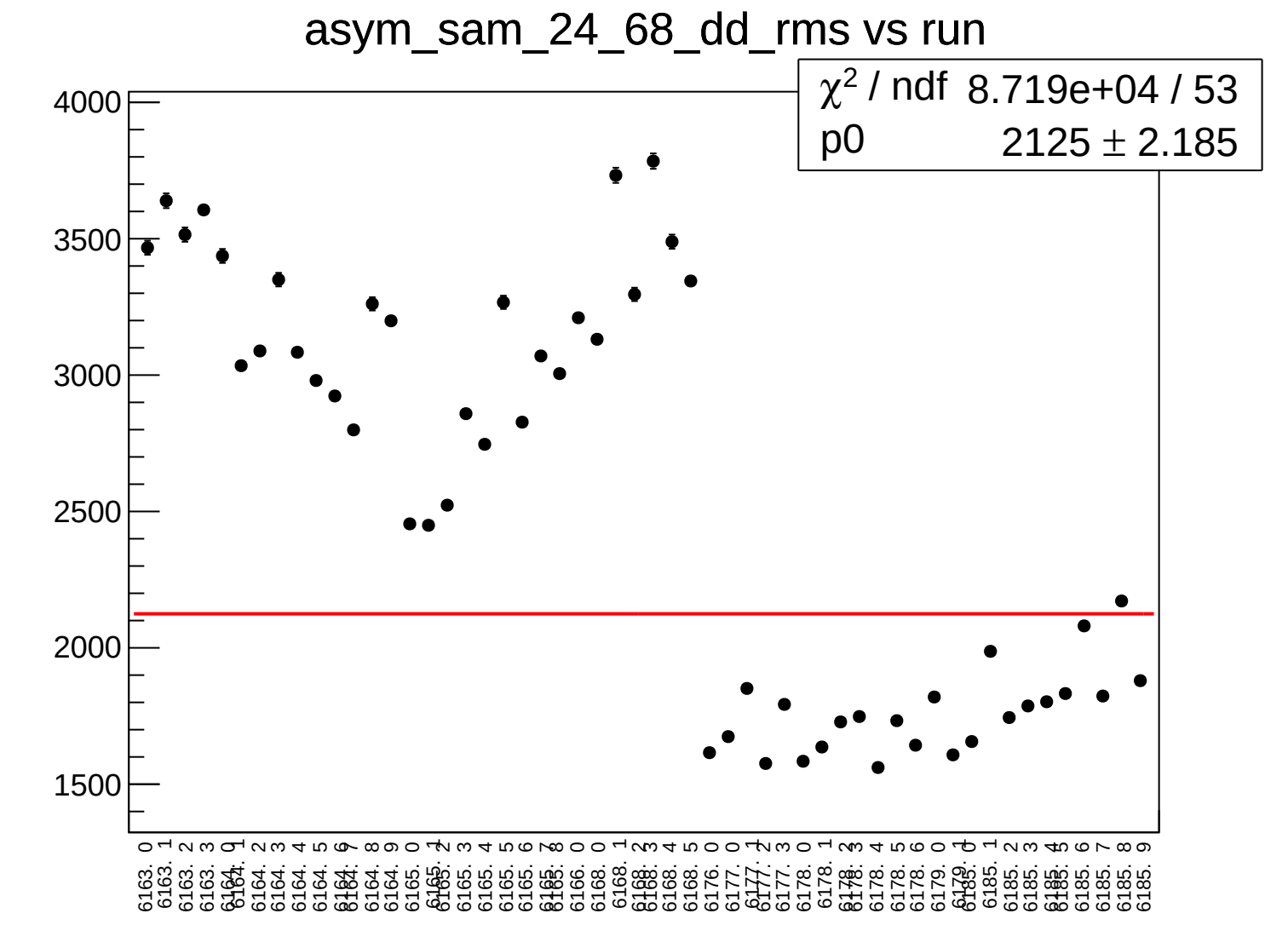
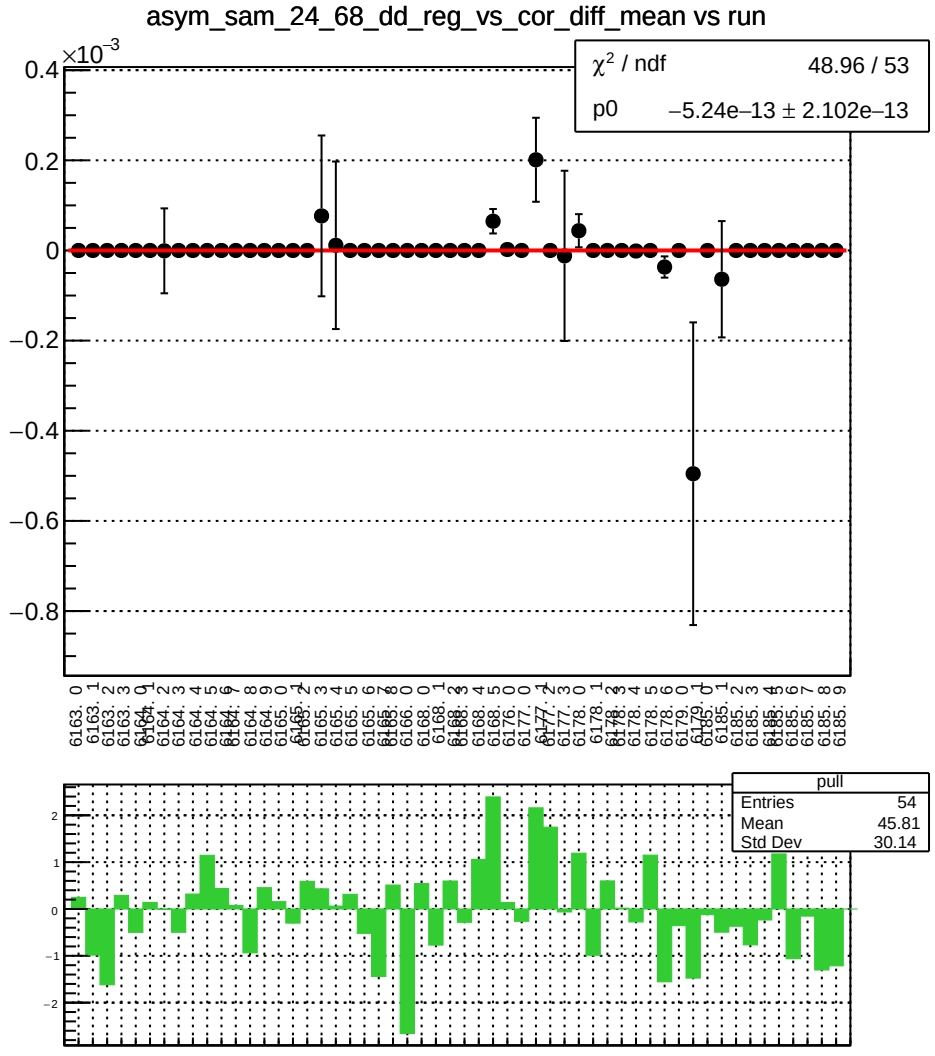
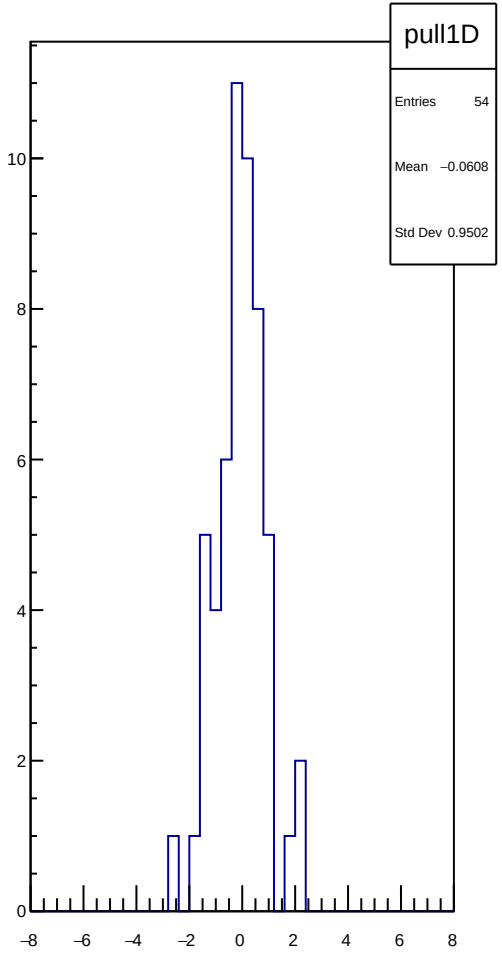
6185. 6
6185. 7
6185. 8
6185. 9

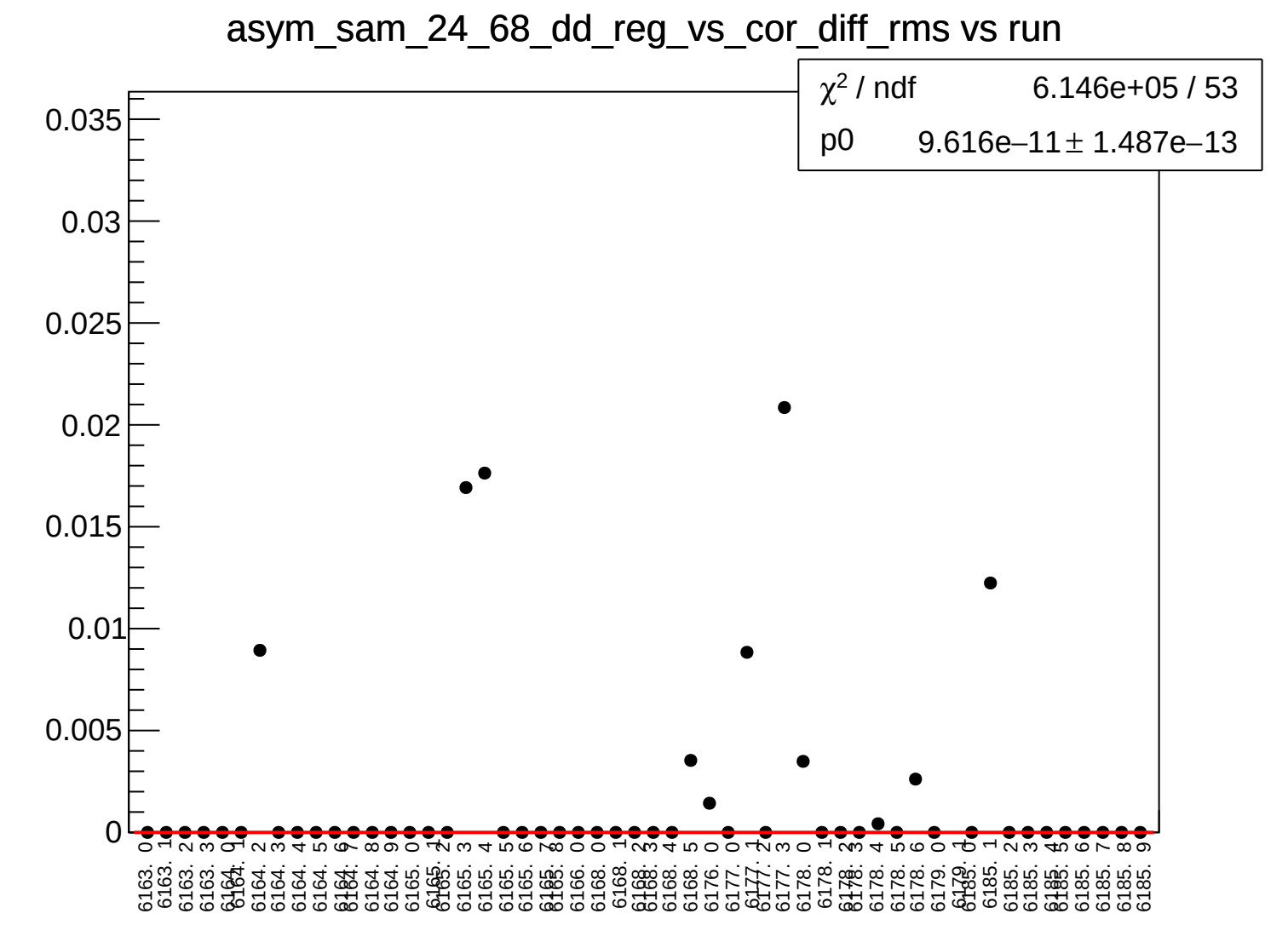

asym_sam_24_68_dd_mean vs run
χ² / ndf 58.8 / 53
p0 −6422 ± 3090
×10³
100
50
0
−50
−100
pull
Entries 54
Mean 5.47
Std Dev 0
2
1
0
−1
−2

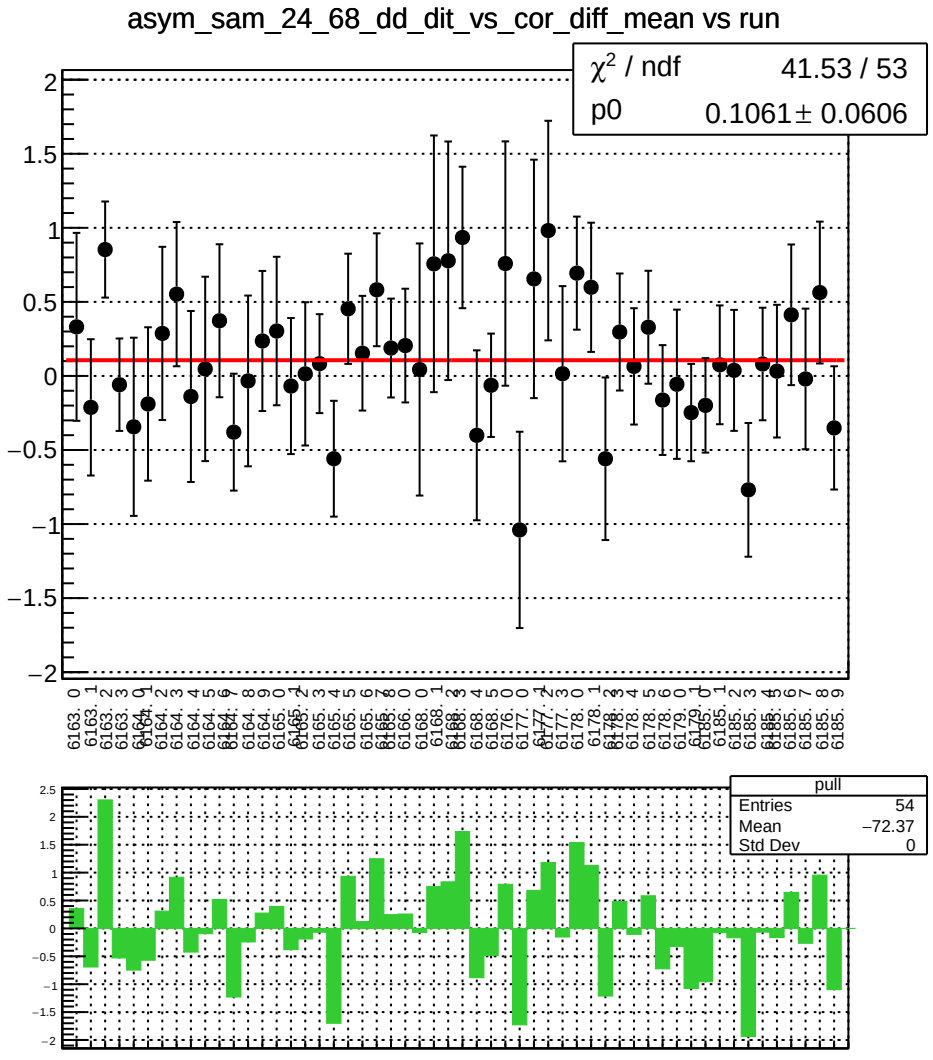

pull1D
Entries 54
Mean −0.03064
Std Dev 1.043
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

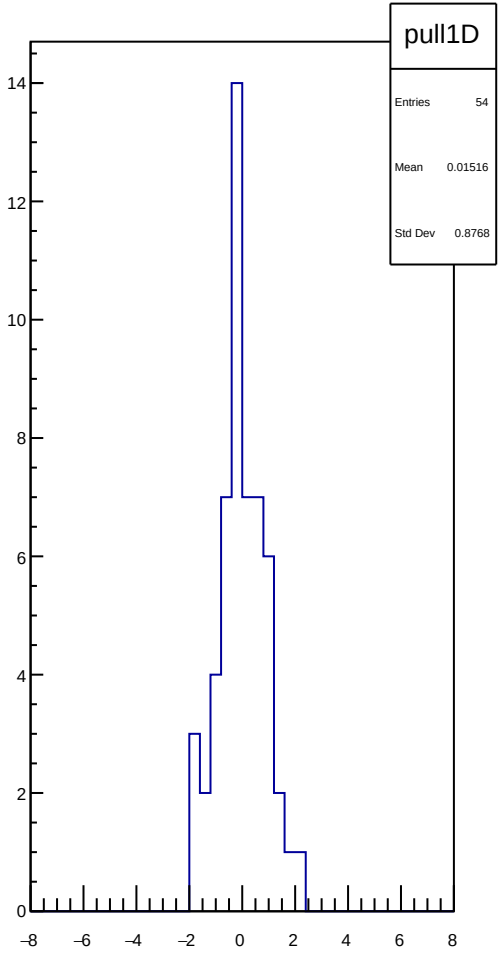

asym_sam_24_68_dd_rms vs run
χ² / ndf 8.719e+04 / 53
p0 2125 ± 2.185
4000
3500
3000
2500
2000
1500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

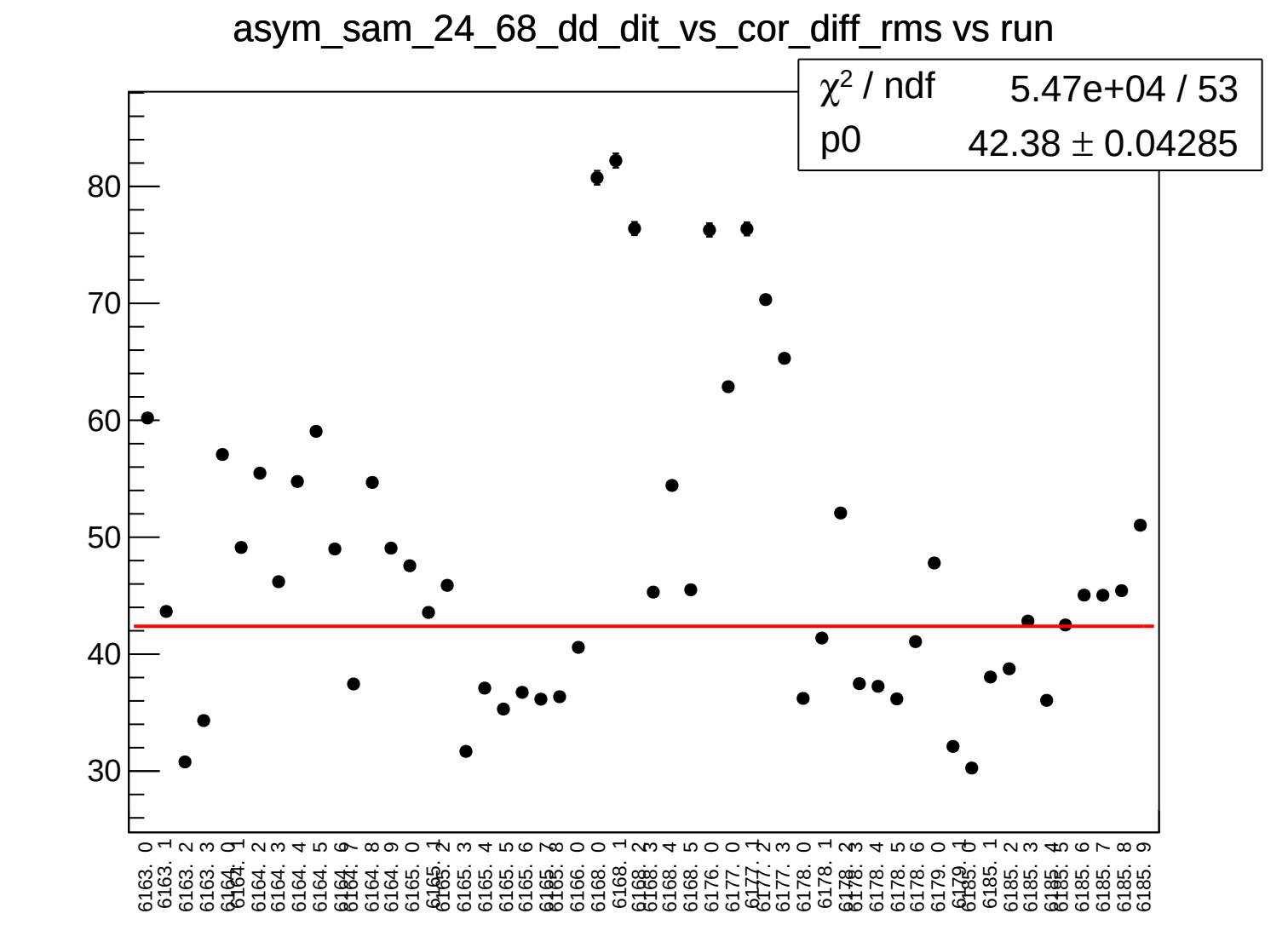

asym_sam_24_68_dd_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 48.96 / 53
p0 −5.24e−13 ± 2.102e−13
pull
Entries 54
Mean 45.81
Std Dev 30.14

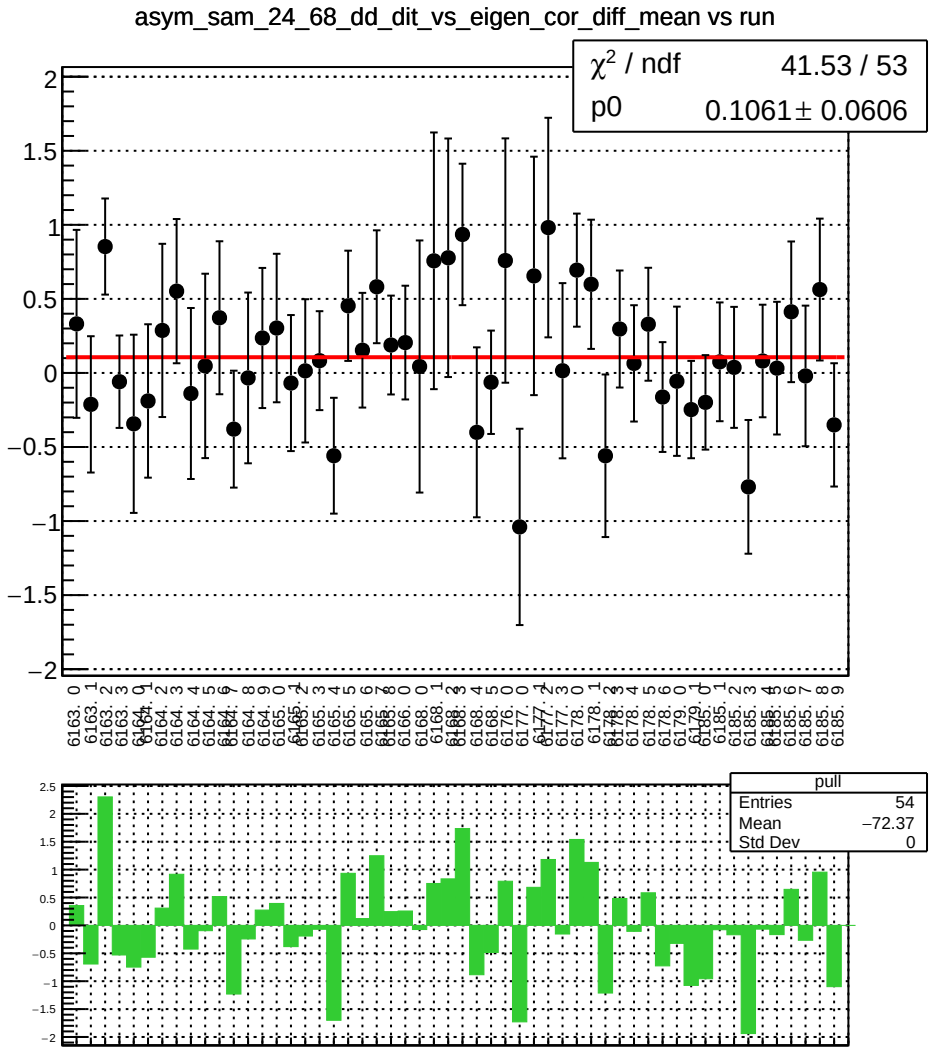

pull1D
Entries 54
Mean −0.0608
Std Dev 0.9502

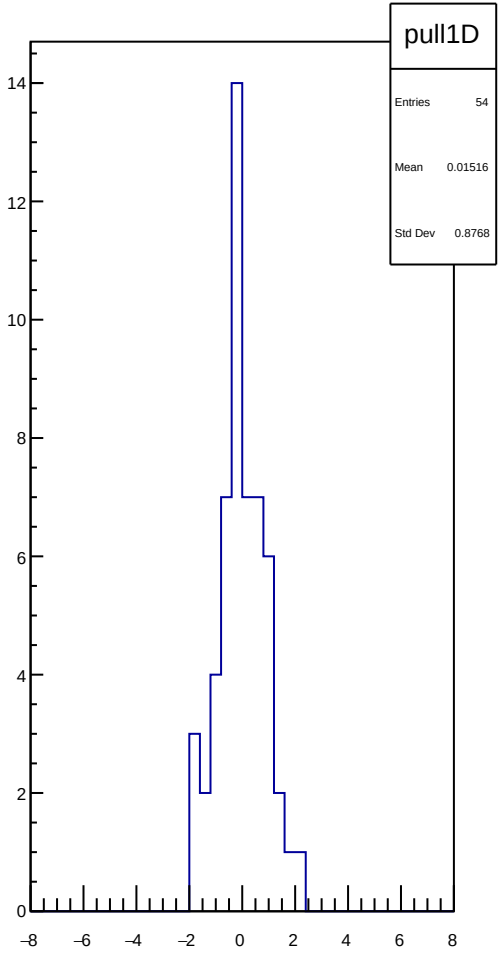

asym_sam_24_68_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.146e+05 / 53
p0 9.616e−11 ± 1.487e−13
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

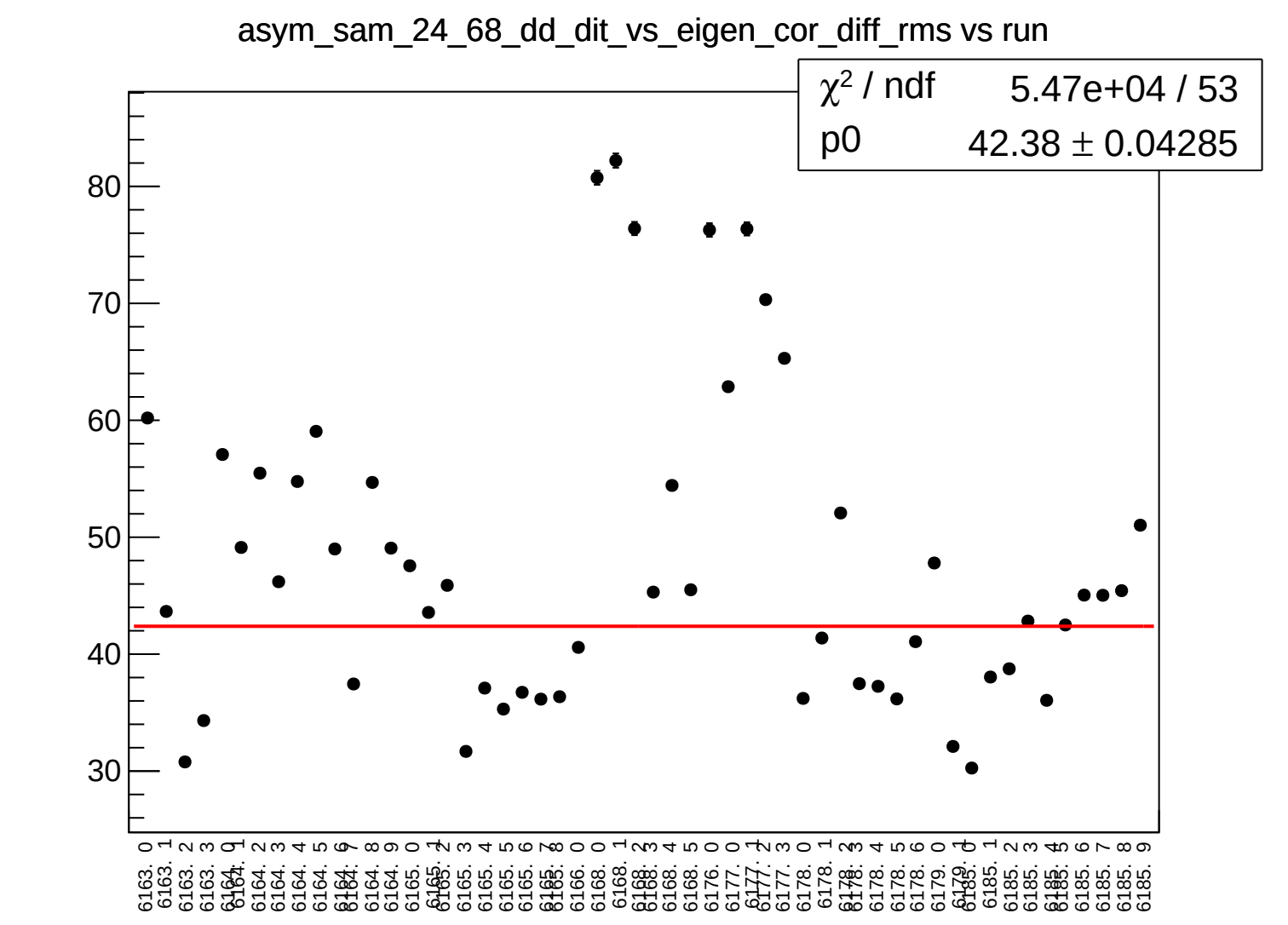

asym_sam_24_68_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 41.53 / 53
p0 0.1061 ± 0.0606
pull
Entries 54
Mean −72.37
Std Dev 0

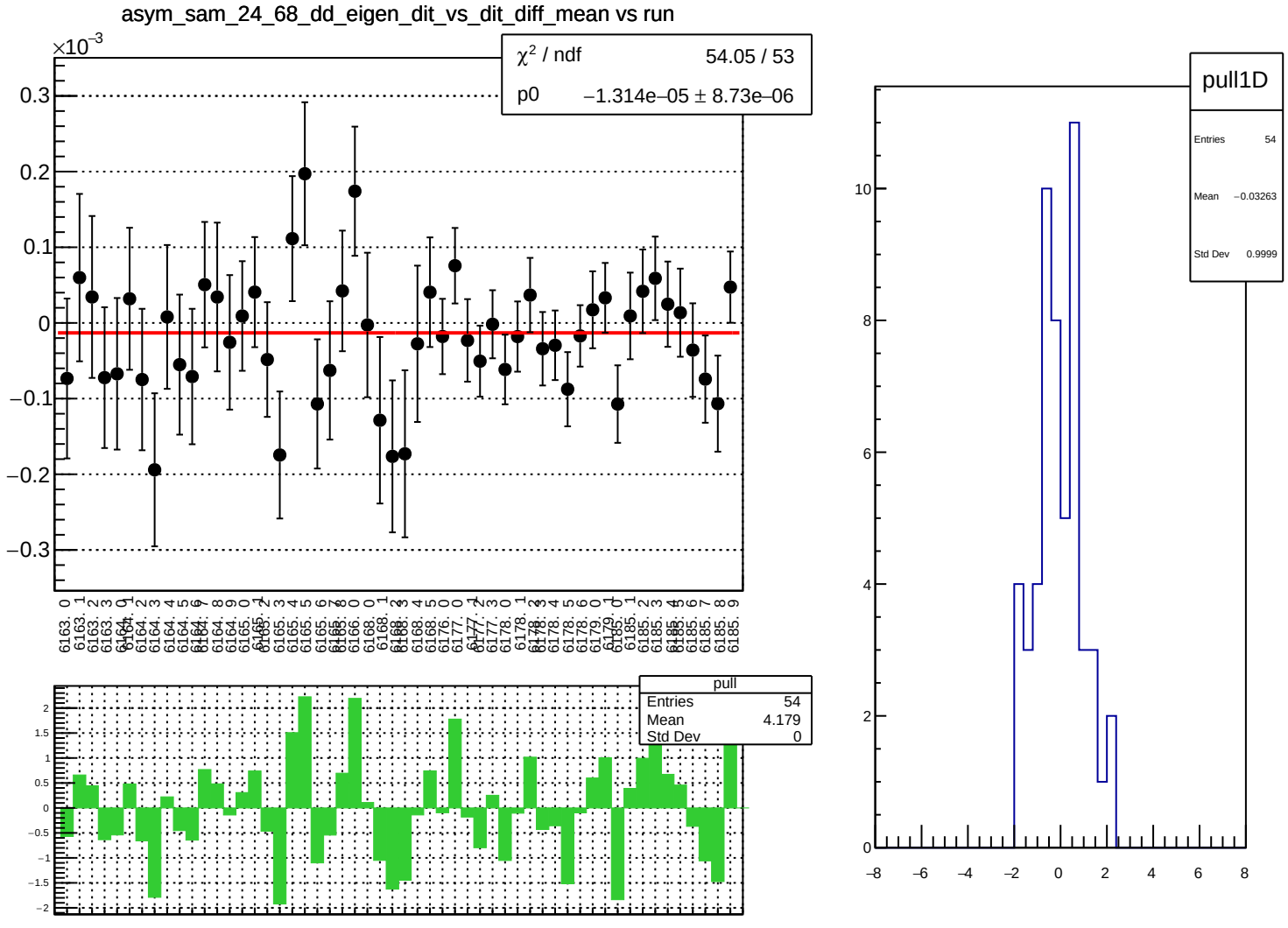

pull1D
Entries 54
Mean 0.01516
Std Dev 0.8768

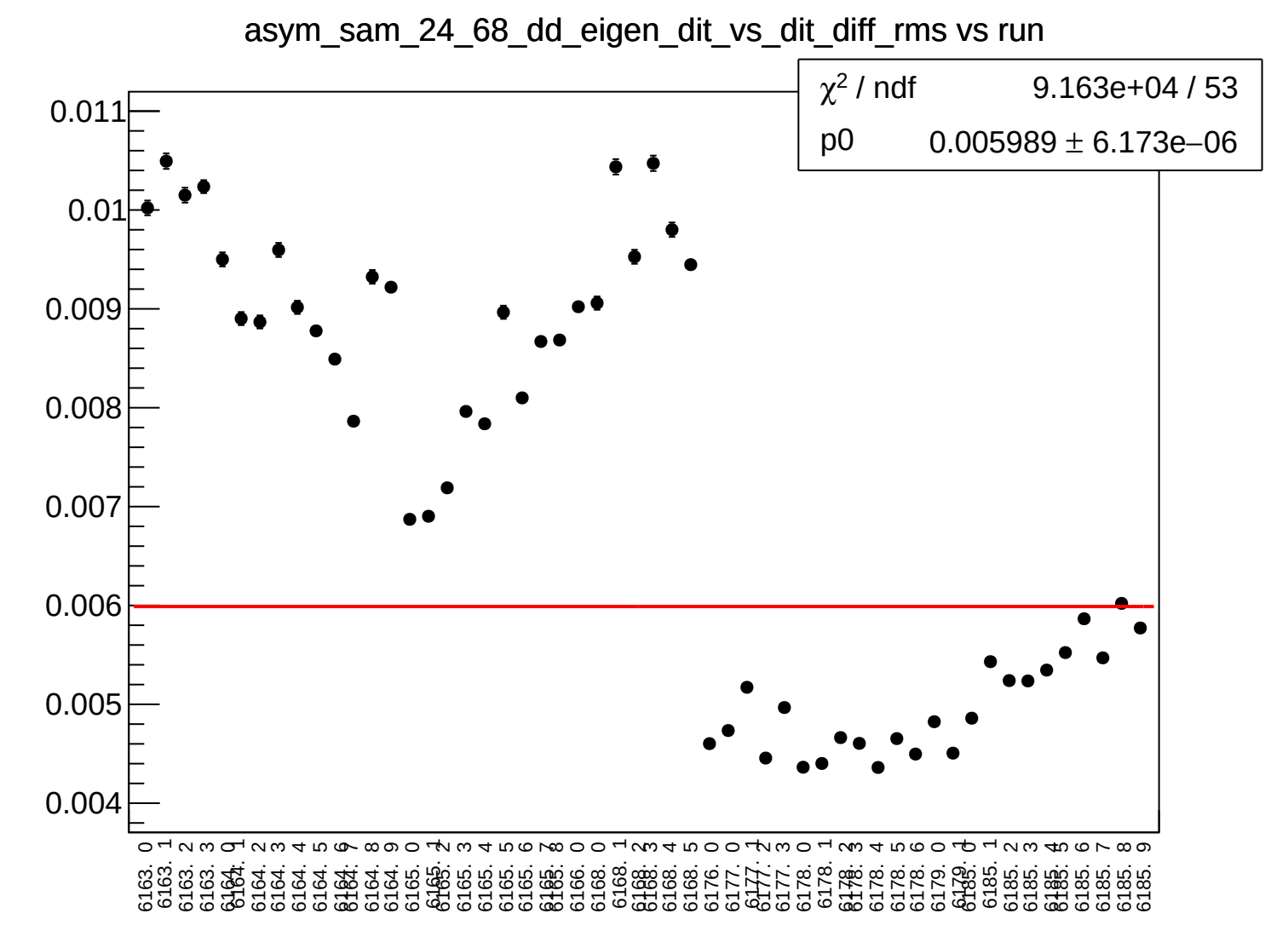

asym_sam_24_68_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 5.47e+04 / 53
p0 42.38 ± 0.04285
80
70
60
50
40
30
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

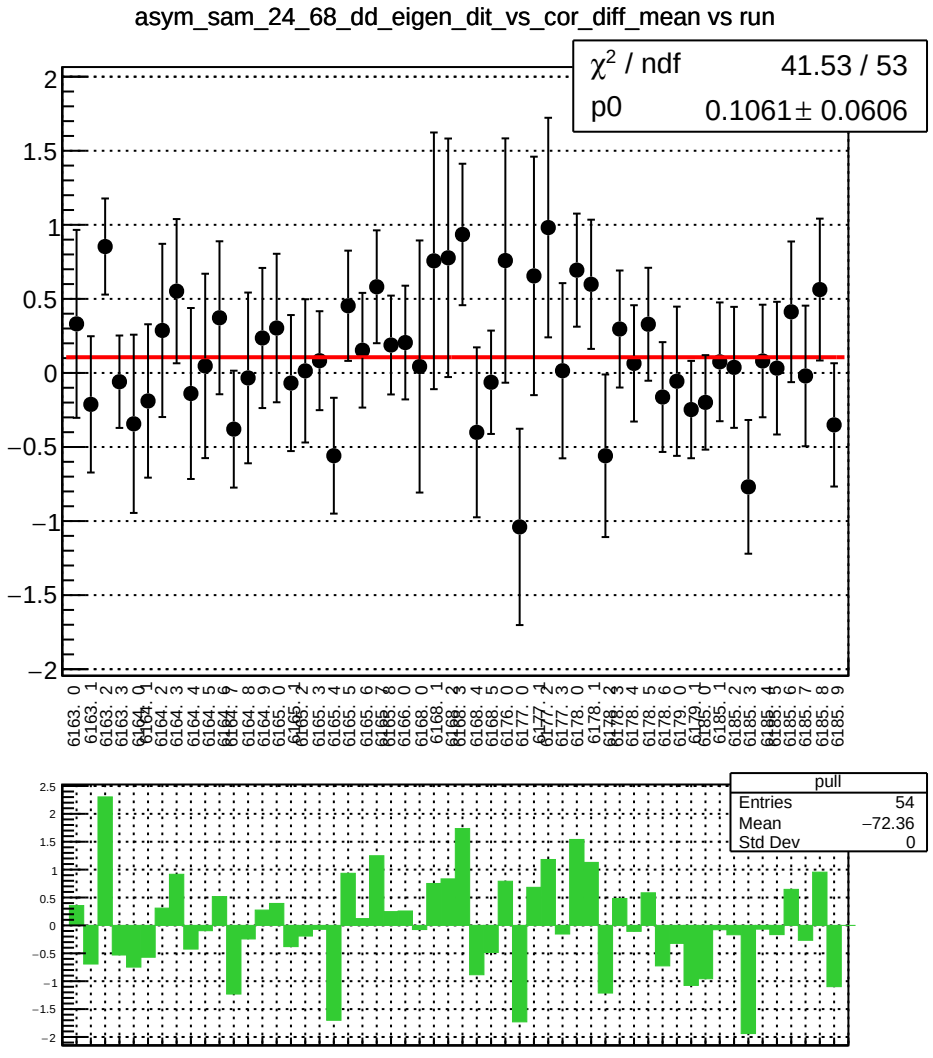

asym_sam_24_68_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 41.53 / 53
p0 0.1061 ± 0.0606
pull
Entries 54
Mean −72.37
Std Dev 0

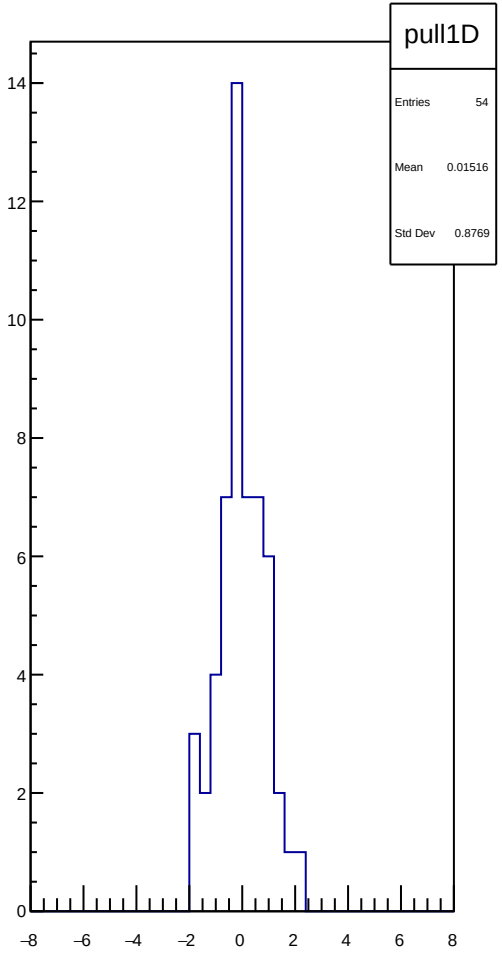

pull1D
Entries 54
Mean 0.01516
Std Dev 0.8768

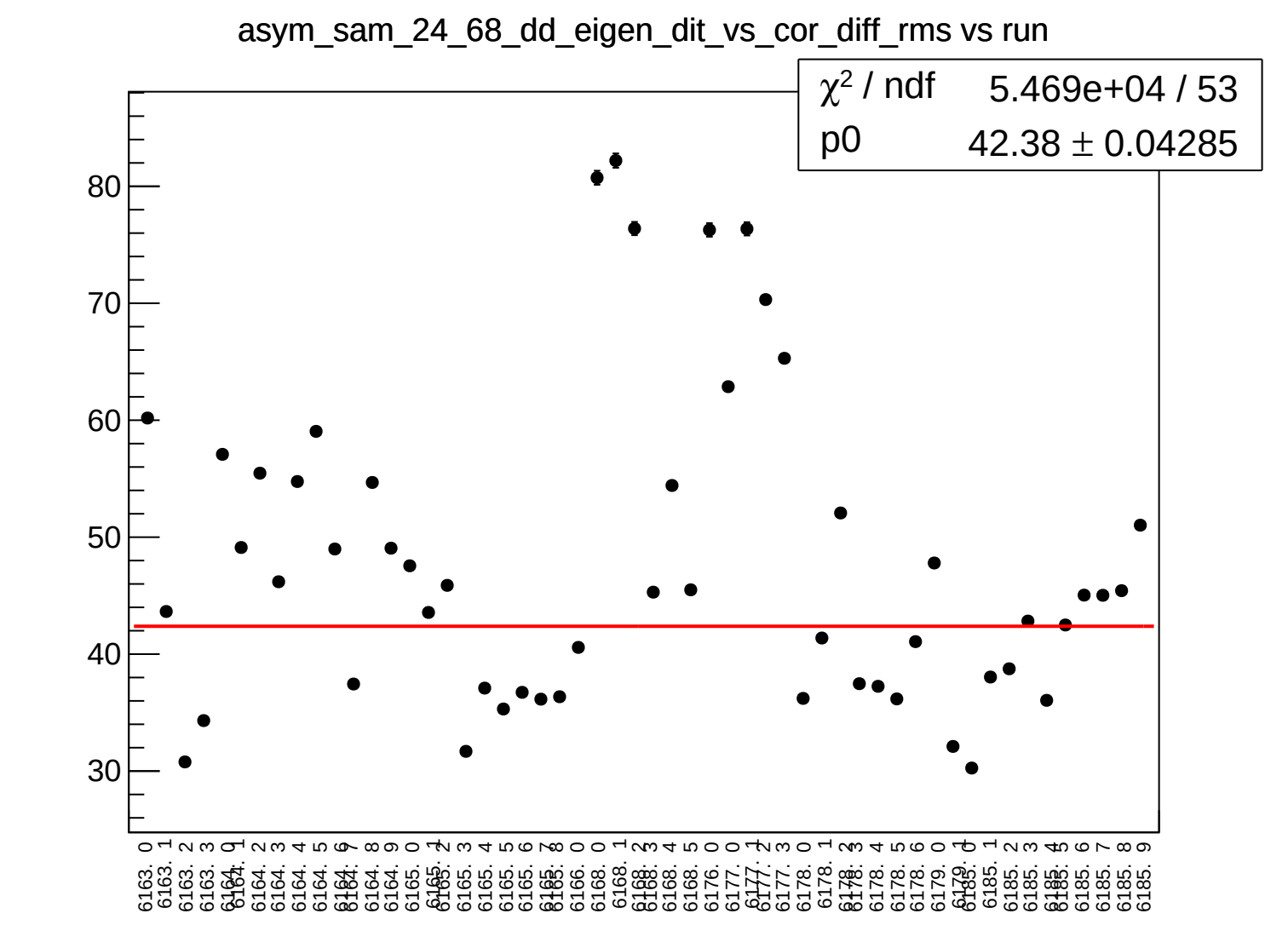

asym_sam_24_68_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.47e+04 / 53
p0 42.38 ± 0.04285
80
70
60
50
40
30
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

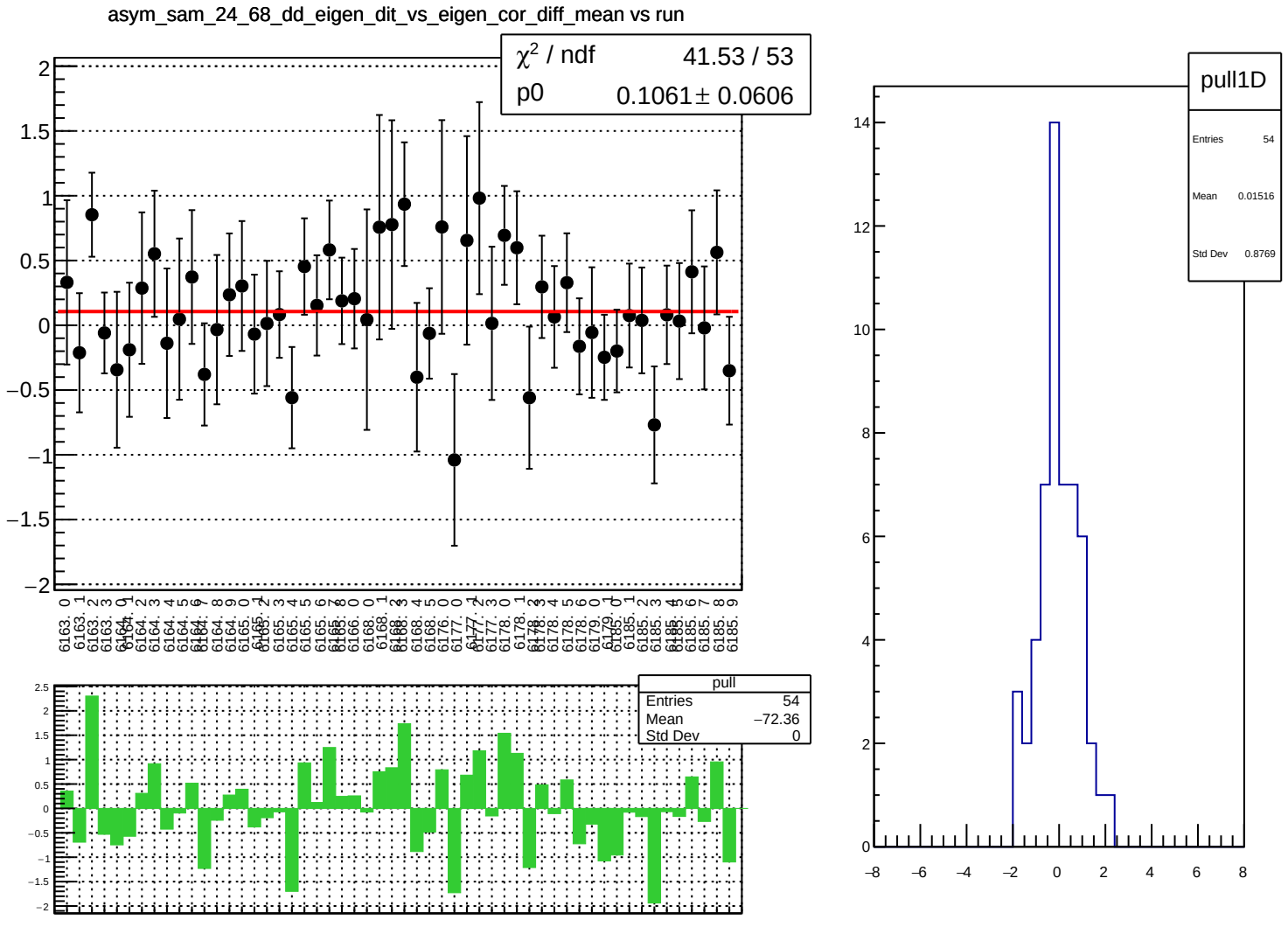

asym_sam_24_68_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 54.05 / 53
p0 −1.314e−05 ± 8.73e−06
pull
Entries 54
Mean 4.179
Std Dev 0
pull1D
Entries 54
Mean −0.03263
Std Dev 0.9999

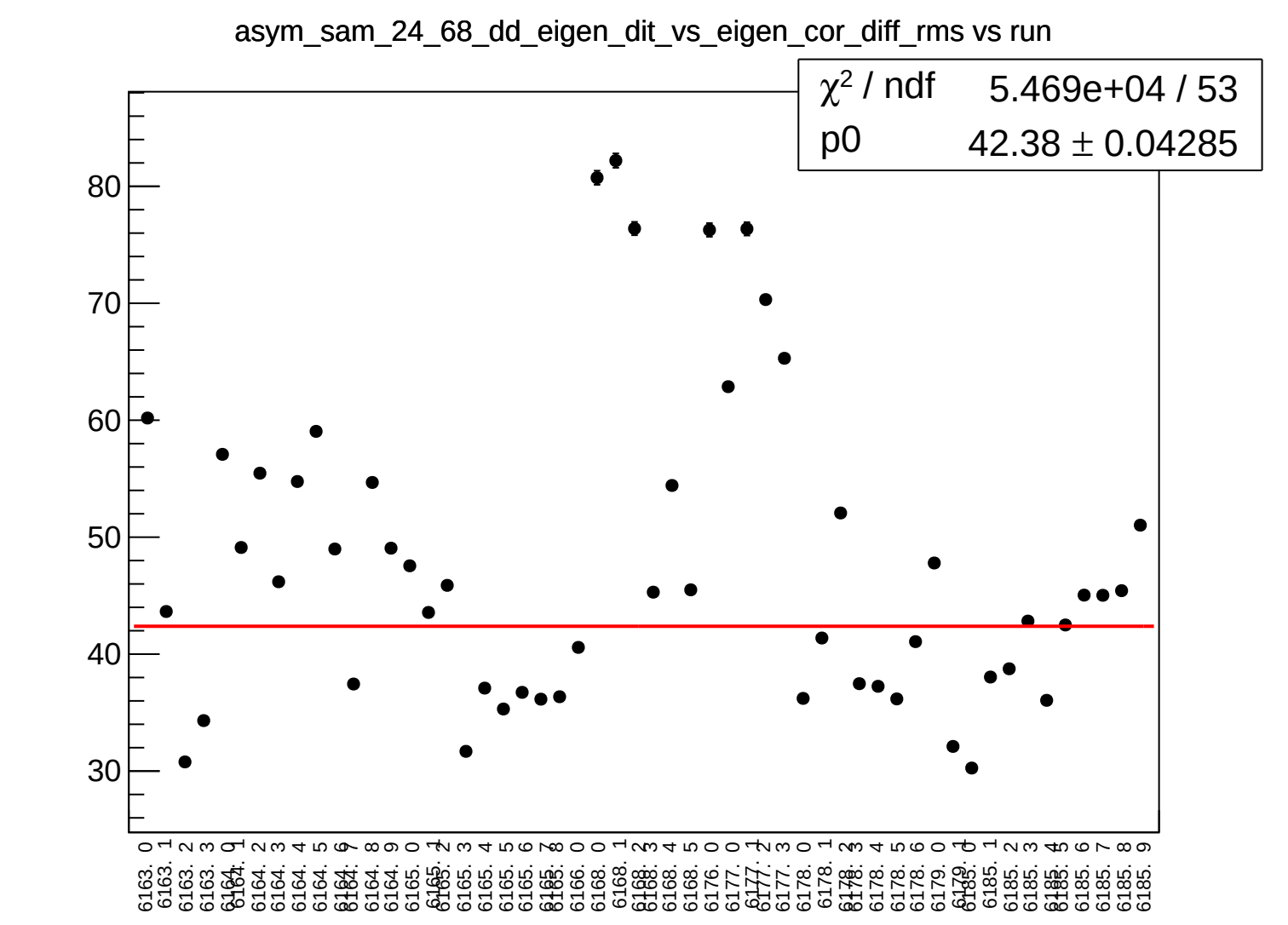

asym_sam_24_68_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 9.163e+04 / 53
p0 0.005989 ± 6.173e−06
0.011
0.01
0.009
0.008
0.007
0.006
0.005
0.004
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

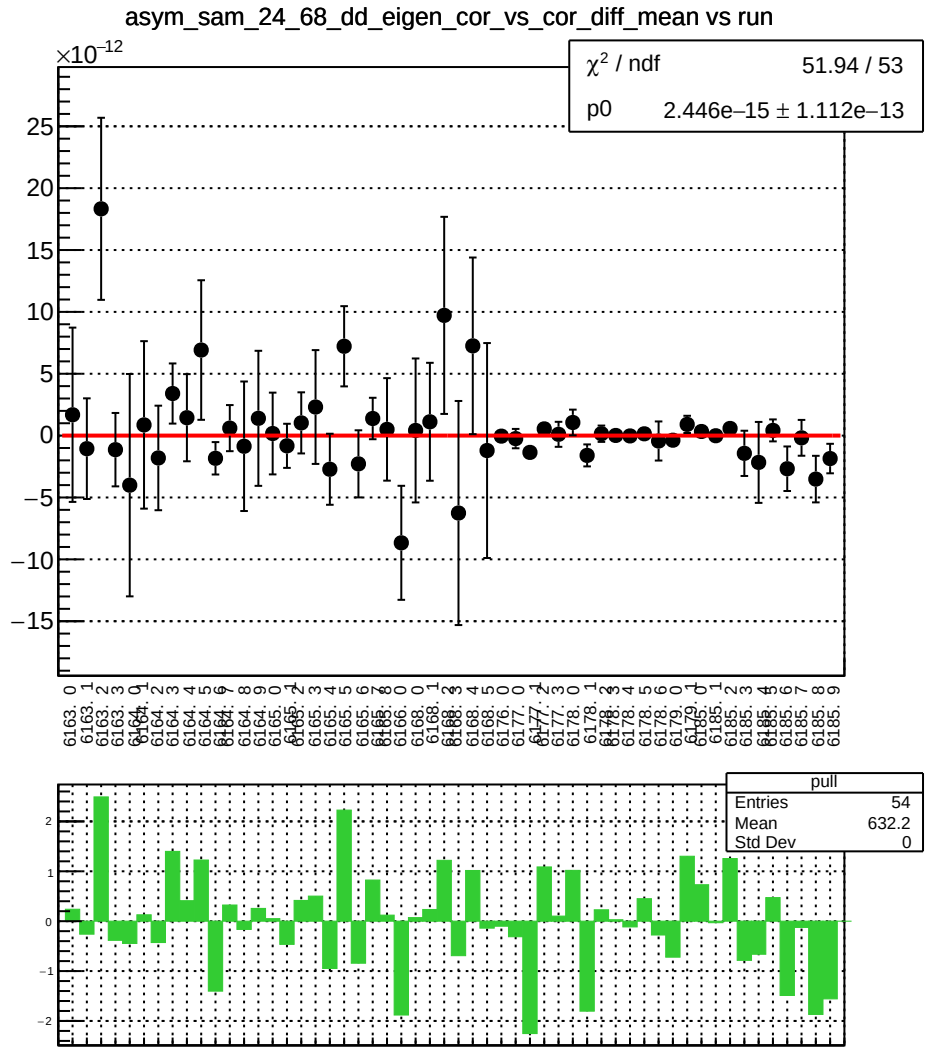

asym_sam_24_68_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 41.53 / 53
p0 0.1061 ± 0.0606
pull
Entries 54
Mean −72.36
Std Dev 0

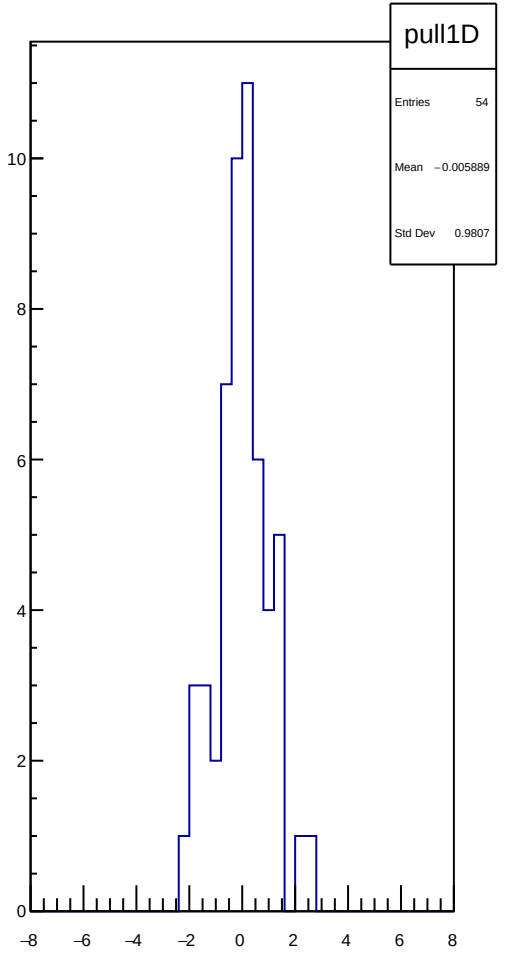

pull1D
Entries 54
Mean 0.01516
Std Dev 0.8769

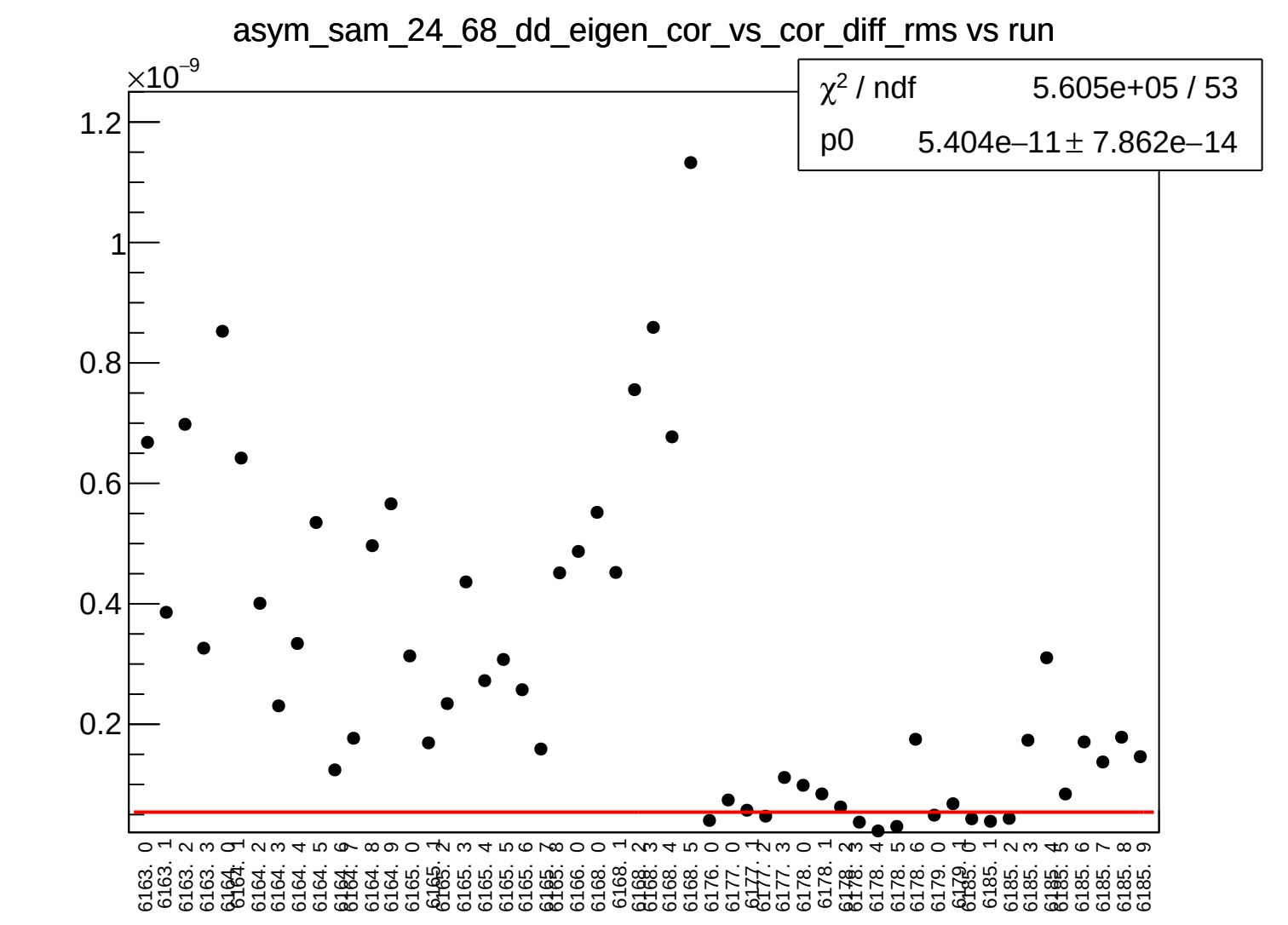

asym_sam_24_68_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.469e+04 / 53
p0 42.38 ± 0.04285
80
70
60
50
40
30
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

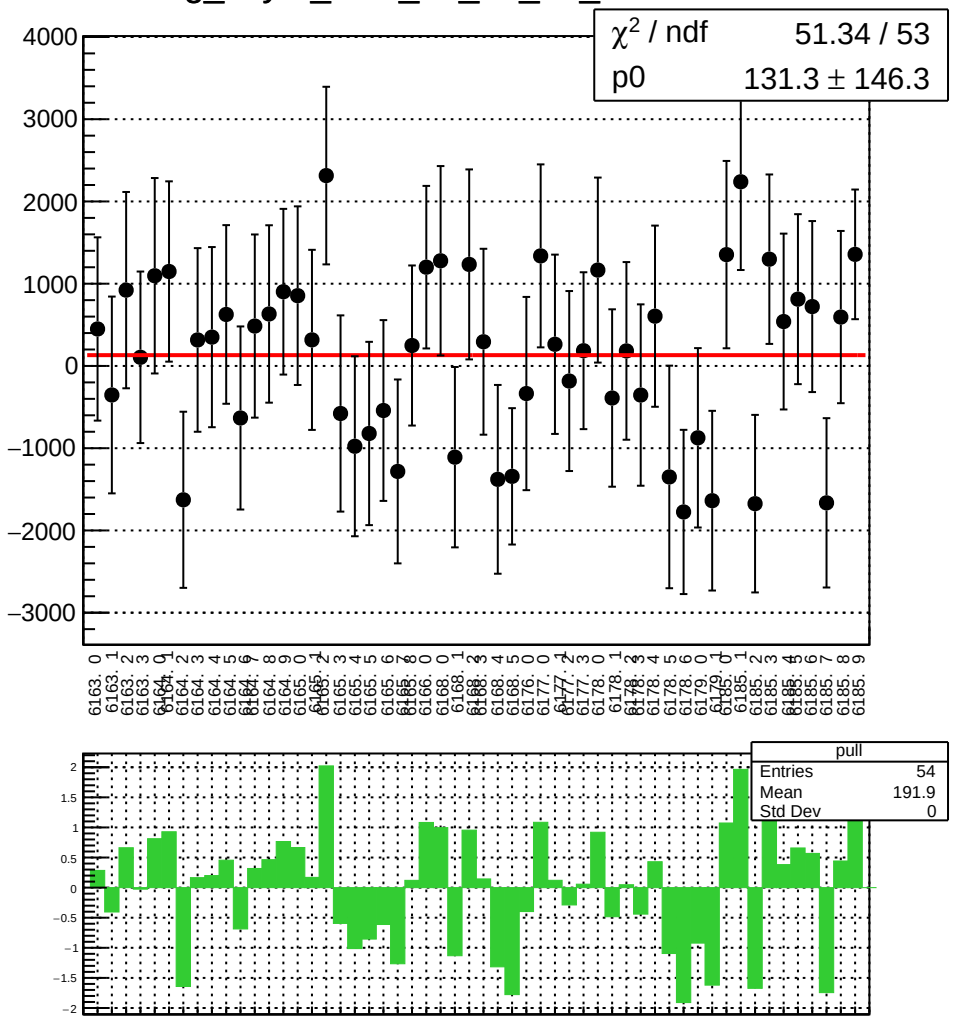

asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 41.53 / 53
p0 0.1061 ± 0.0606
pull
Entries 54
Mean −72.36
Std Dev 0
pull1D
Entries 54
Mean 0.01516
Std Dev 0.8769

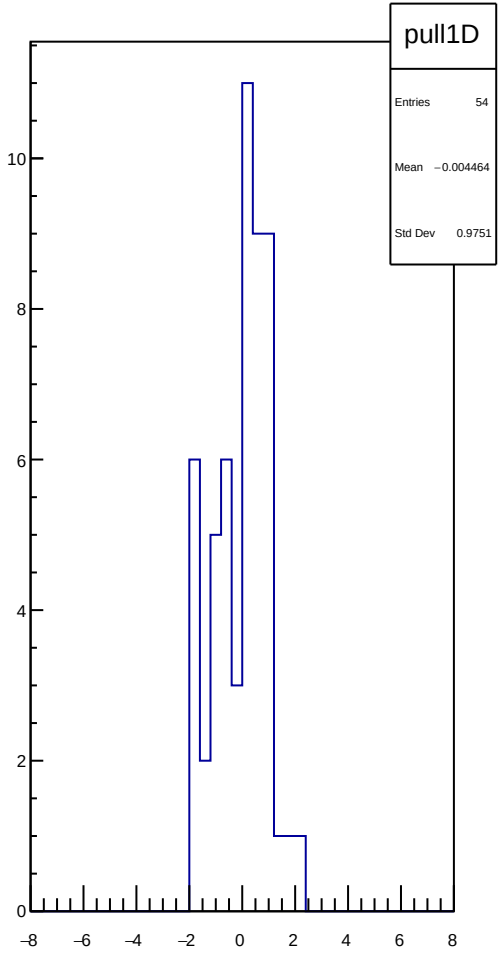

asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.469e+04 / 53
p0 42.38 ± 0.04285
80
70
60
50
40
30
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

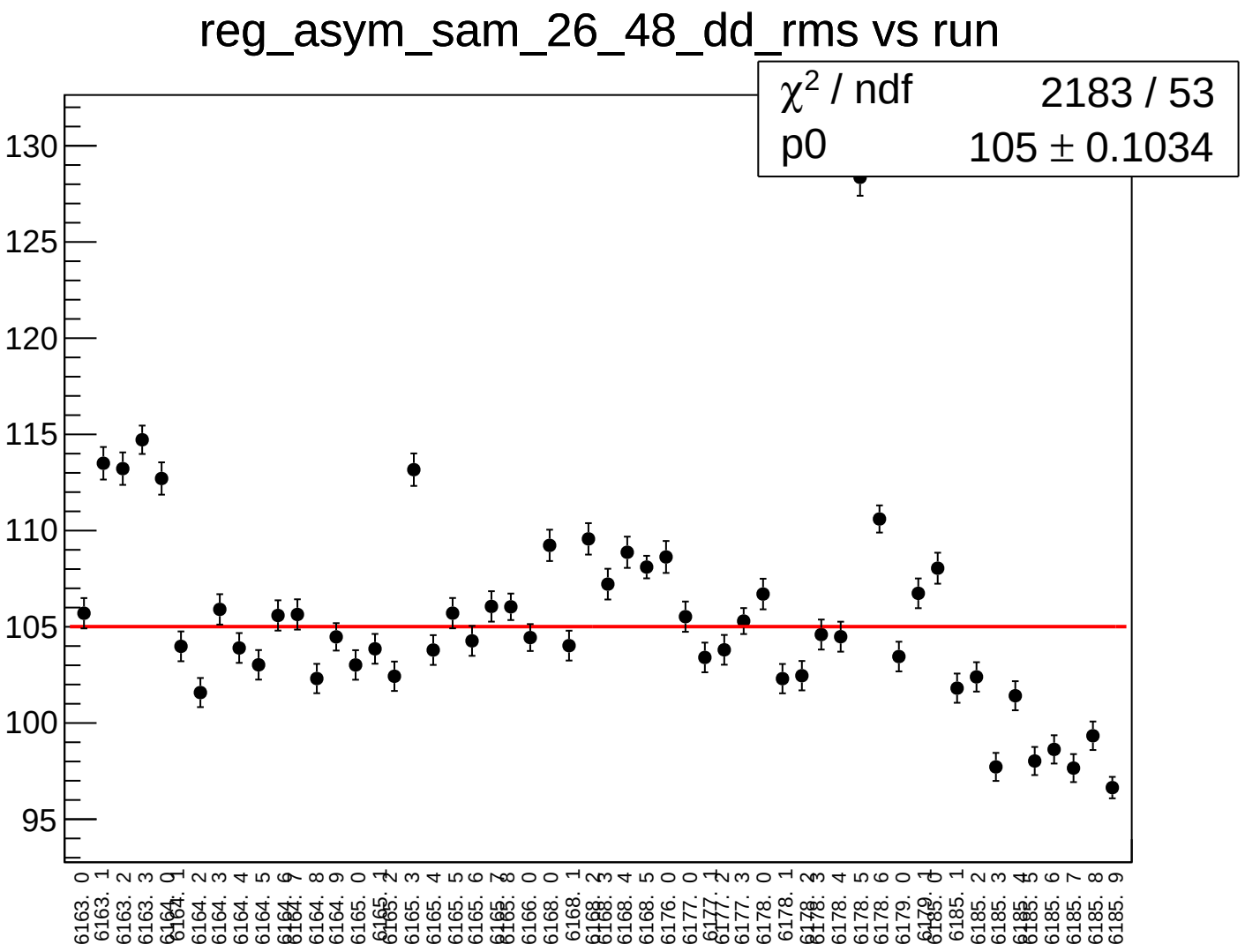

asym_sam_24_68_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 51.94 / 53
p0 2.446e−15 ± 1.112e−13
pull
Entries 54
Mean 632.2
Std Dev 0

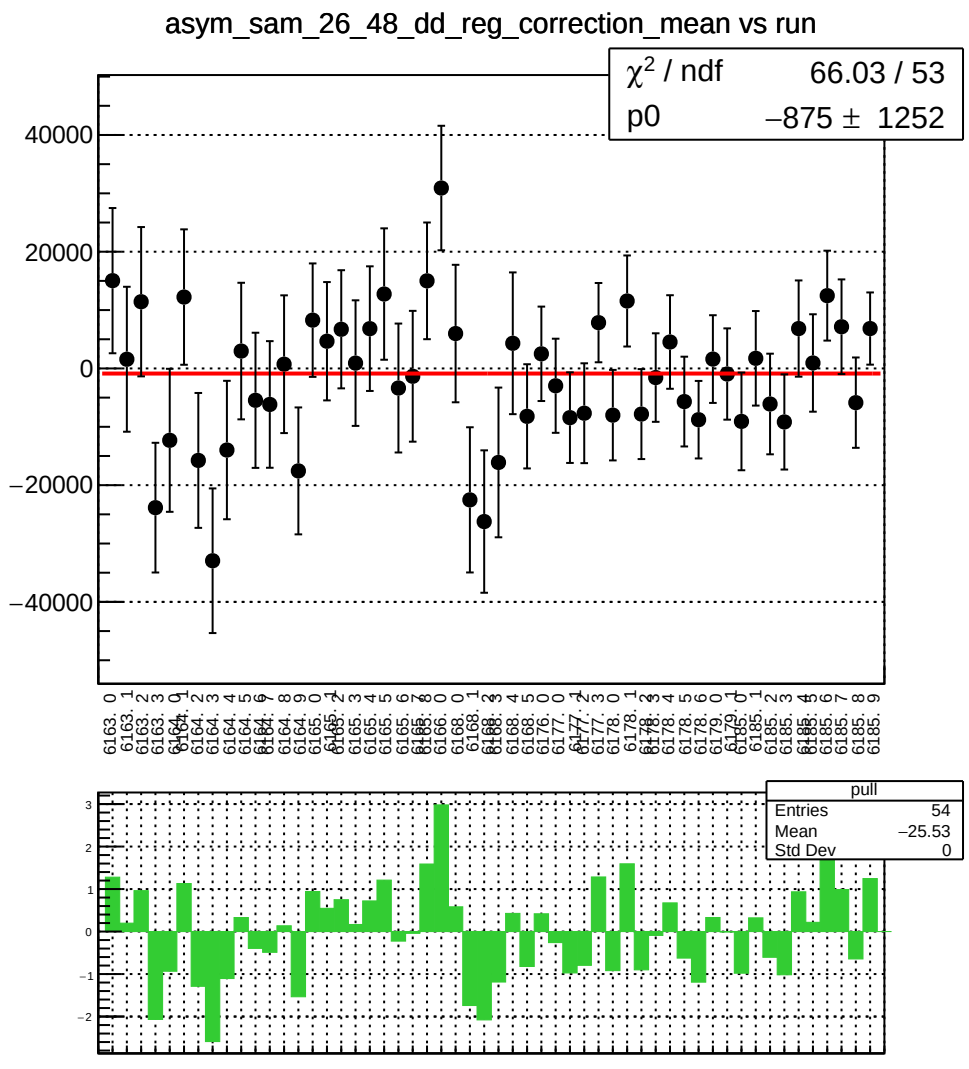

pull1D
Entries 54
Mean −0.005889
Std Dev 0.9807

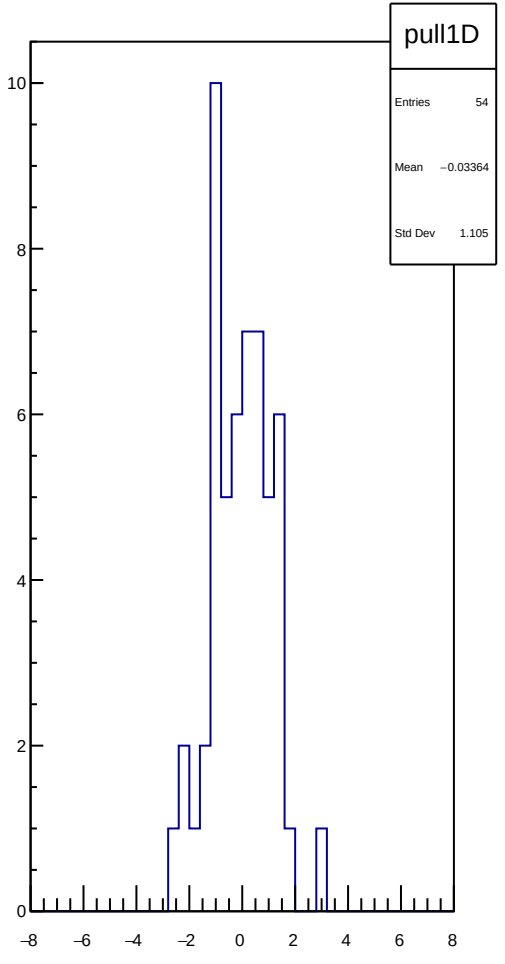

asym_sam_24_68_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.605e+05 / 53
p0 5.404e−11 ± 7.862e−14
1.2
1
0.8
0.6
0.4
0.2
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

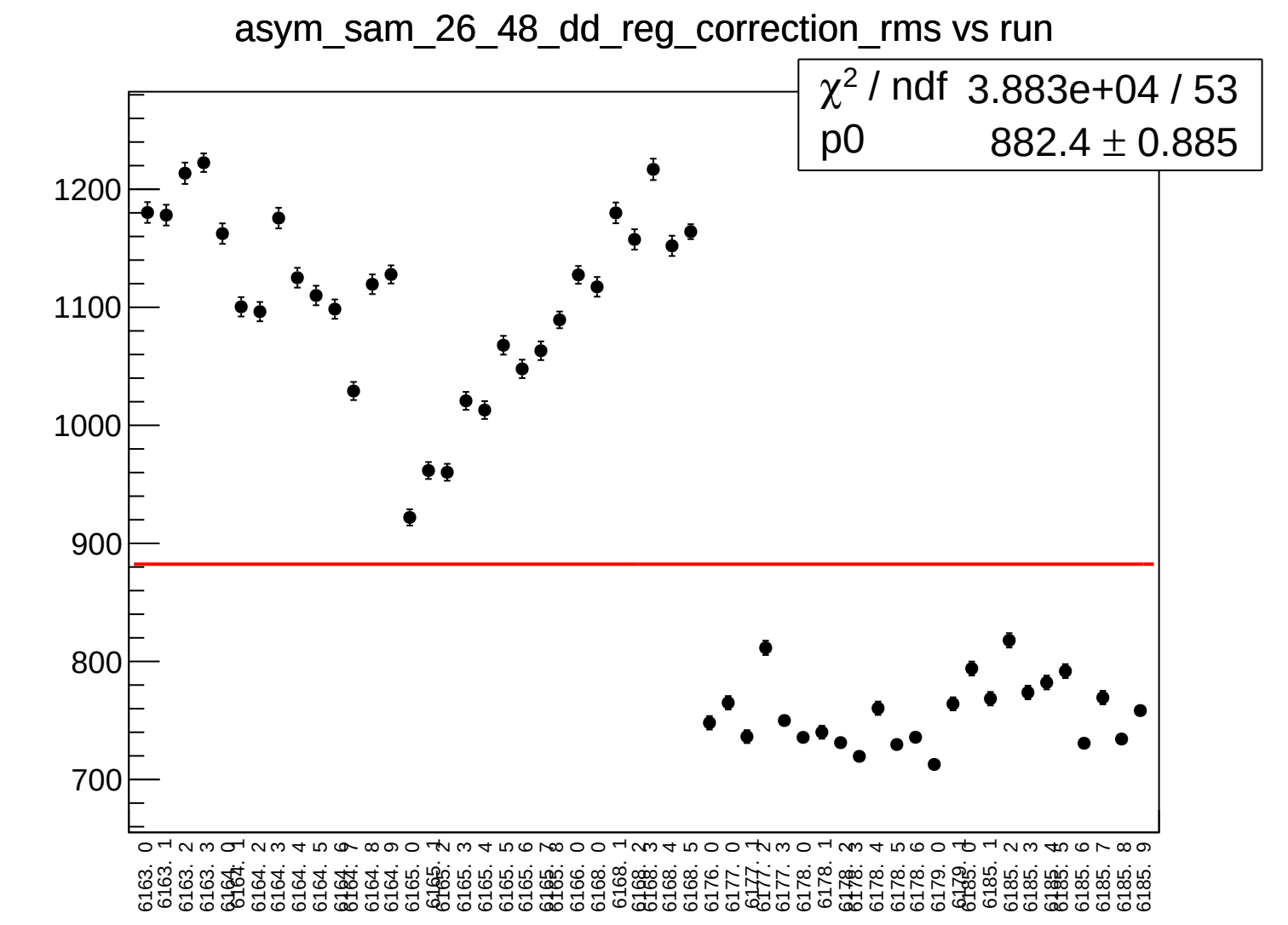

reg_asym_sam_26_48_dd_mean vs run
χ² / ndf 51.34 / 53
p0 131.3 ± 146.3
pull
Entries 54
Mean 191.9
Std Dev 0

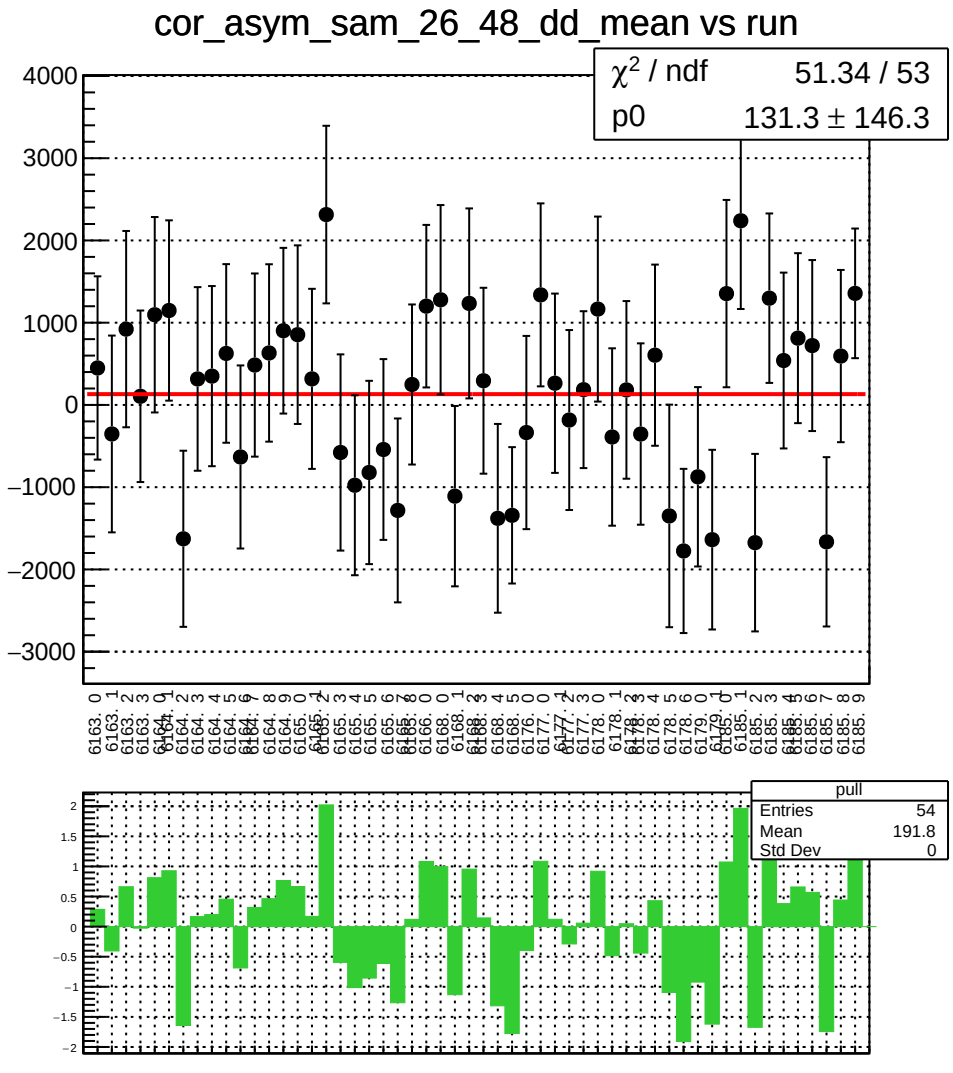

pull1D
Entries 54
Mean −0.004464
Std Dev 0.9751

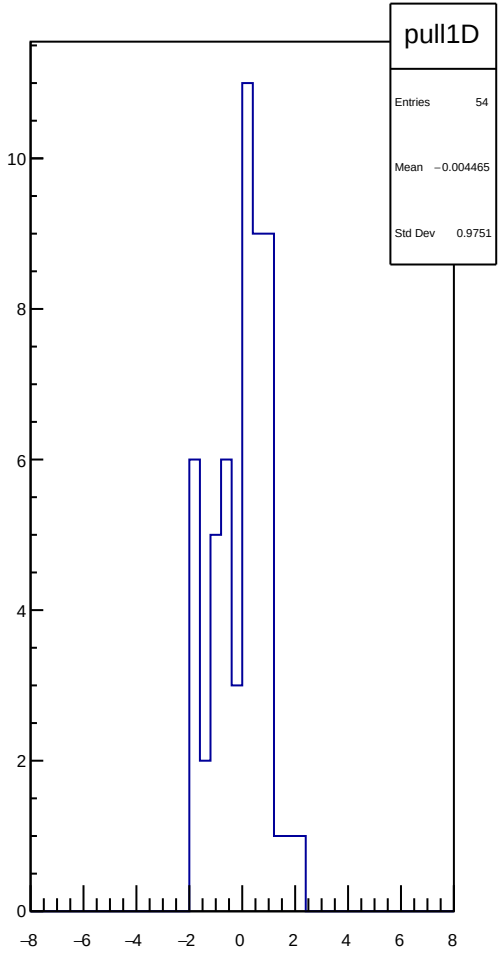

reg_asym_sam_26_48_dd_rms vs run
χ² / ndf 2183 / 53
p0 105 ± 0.1034
130
125
120
115
110
105
100
95
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

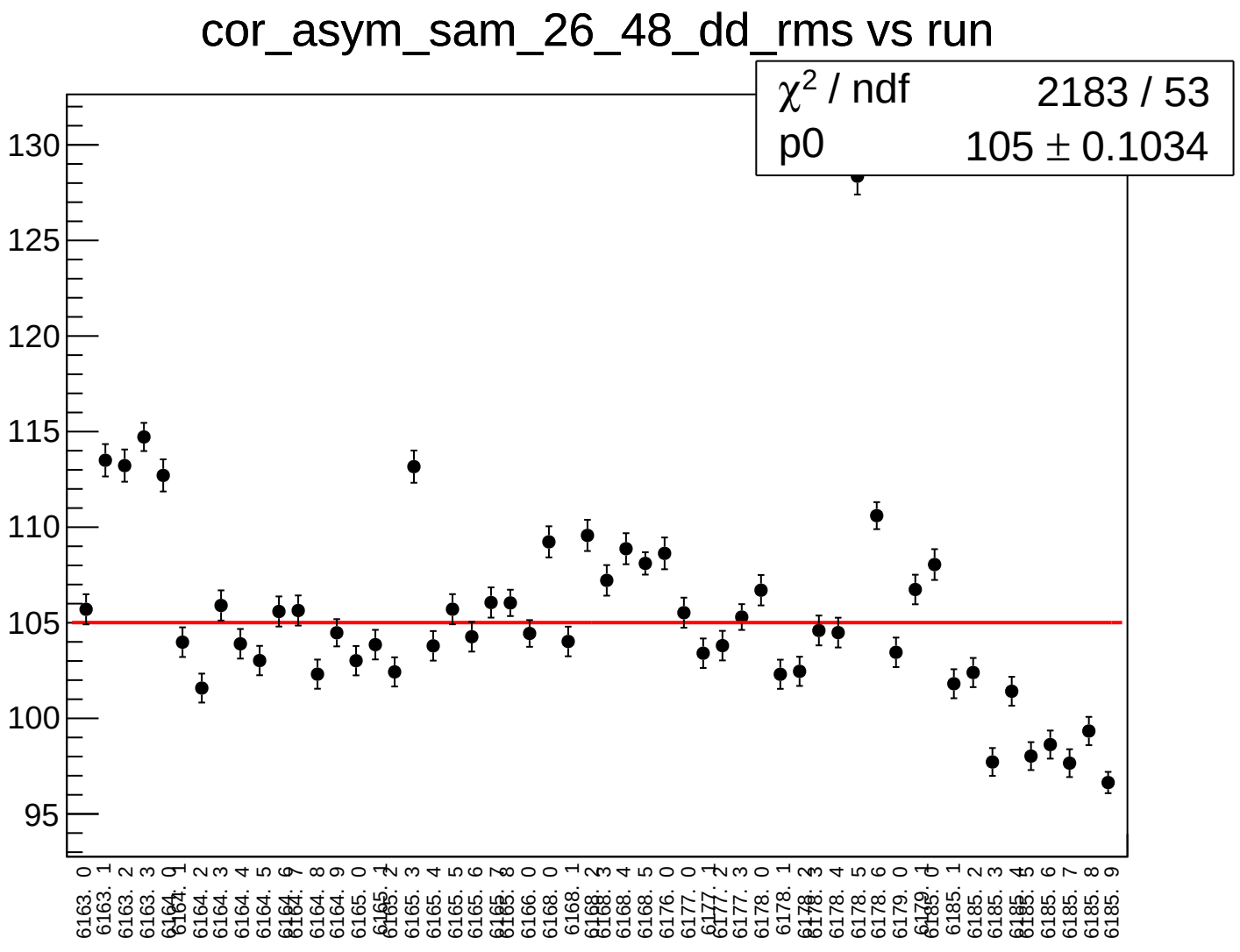

asym_sam_26_48_dd_reg_correction_mean vs run
χ² / ndf 66.03 / 53
p0 −875 ± 1252
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −25.53
Std Dev 0
3
2
1
0
−1
−2

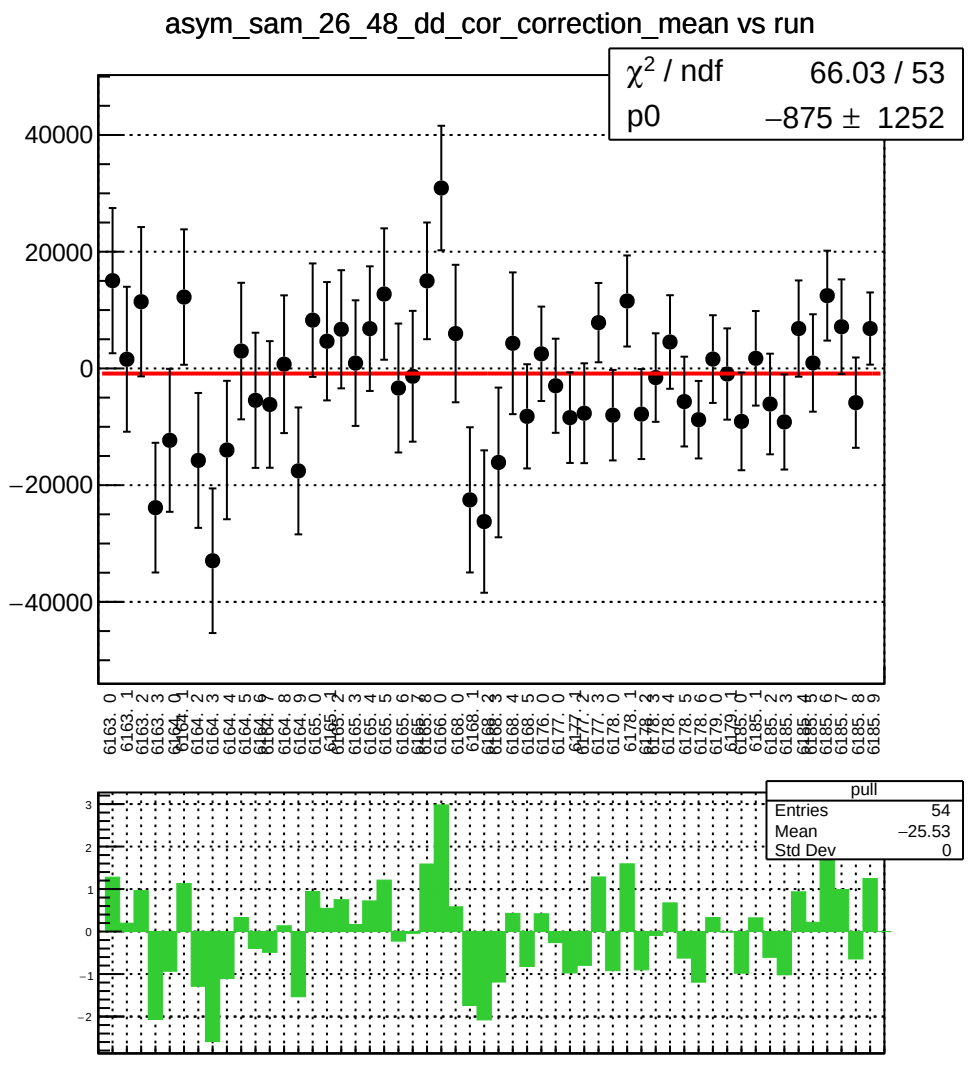

pull1D
Entries 54
Mean −0.03364
Std Dev 1.105
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

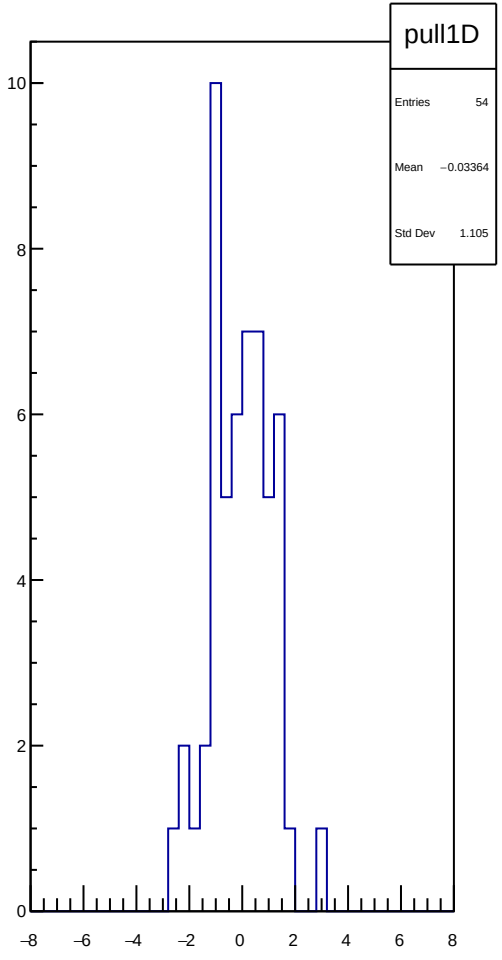

asym_sam_26_48_dd_reg_correction_rms vs run
χ² / ndf 3.883e+04 / 53
p0 882.4 ± 0.885
1200
1100
1000
900
800
700
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

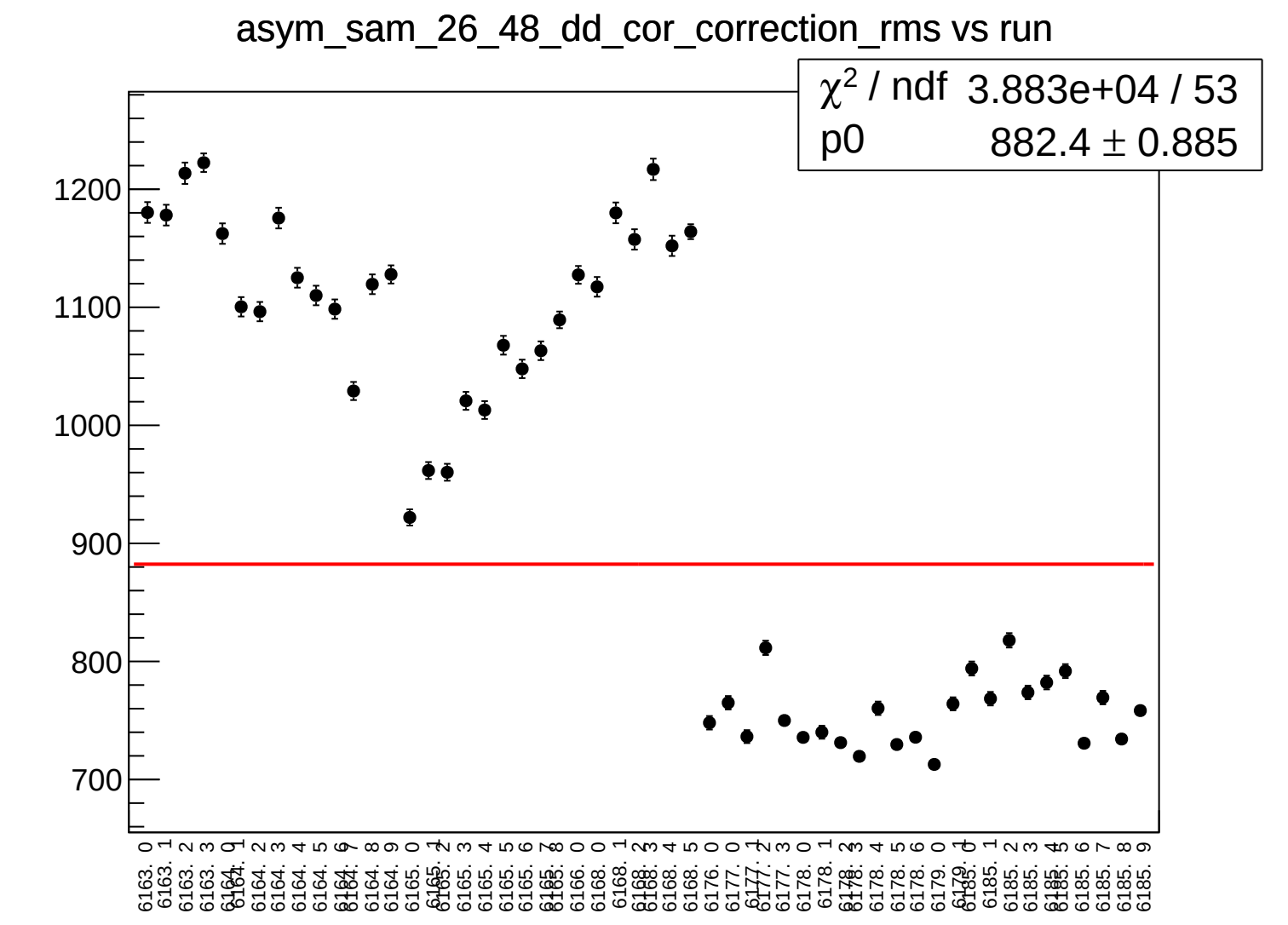

cor_asym_sam_26_48_dd_mean vs run
χ² / ndf 51.34 / 53
p0 131.3 ± 146.3
pull
Entries 54
Mean 191.8
Std Dev 0


pull1D
Entries 54
Mean −0.004465
Std Dev 0.9751


cor_asym_sam_26_48_dd_rms vs run
χ² / ndf 2183 / 53
p0 105 ± 0.1034
130
125
120
115
110
105
100
95
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


asym_sam_26_48_dd_cor_correction_mean vs run
χ² / ndf 66.03 / 53
p0 −875 ± 1252
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −25.53
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 54
Mean −0.03364
Std Dev 1.105
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 3.883e+04 / 53
p0 882.4 ± 0.885
1200
1100
1000
900
800
700
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
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6185. 2
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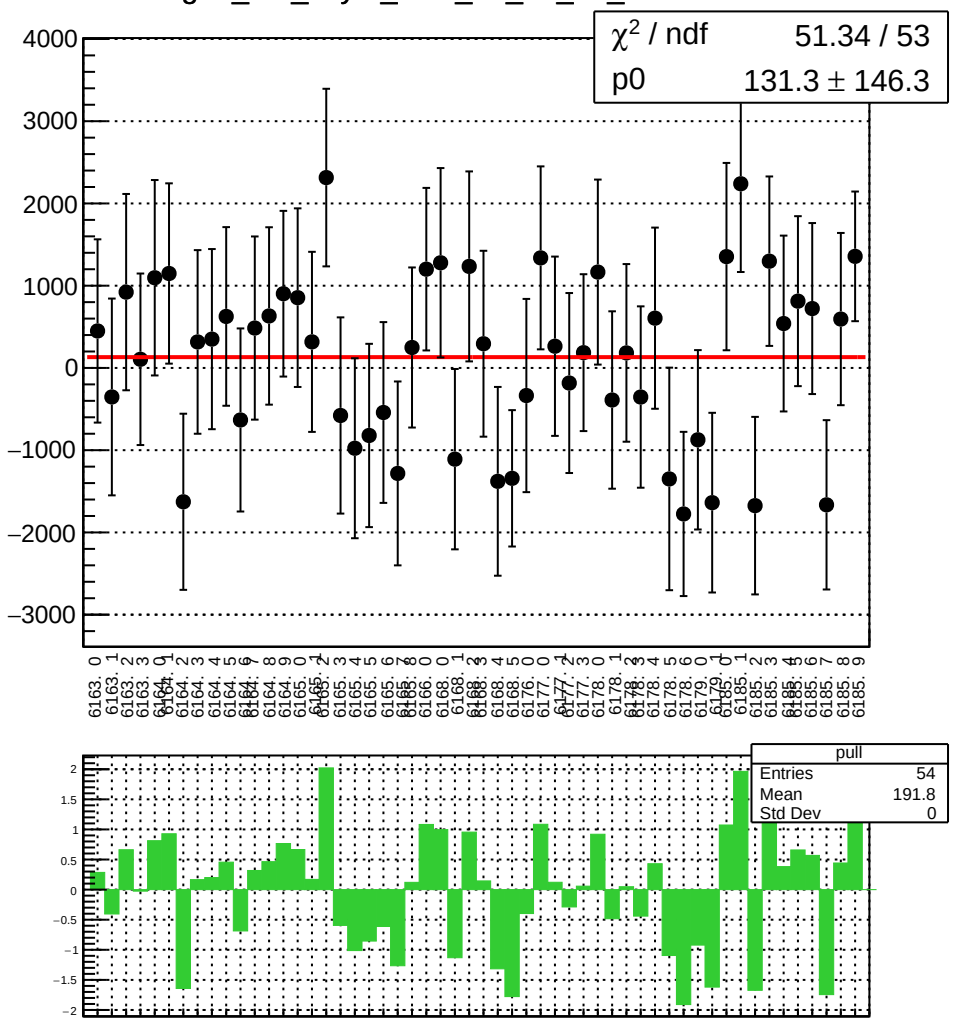
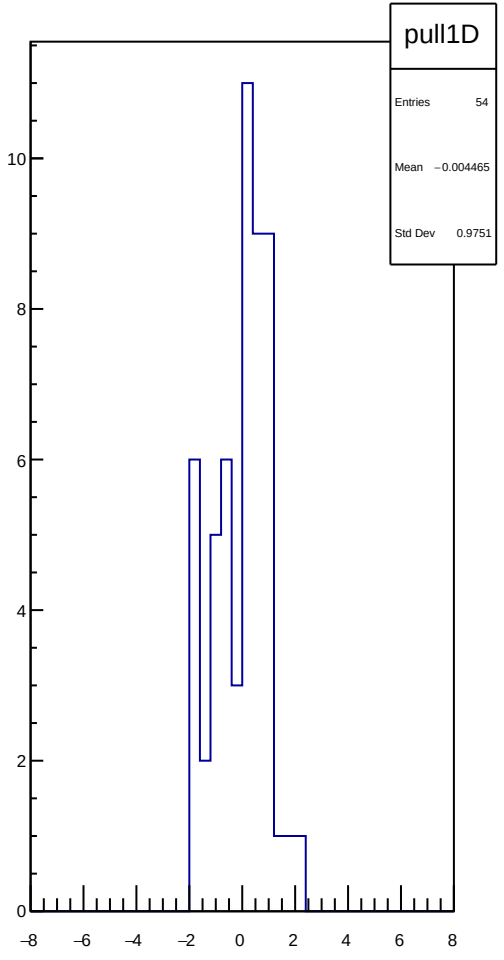
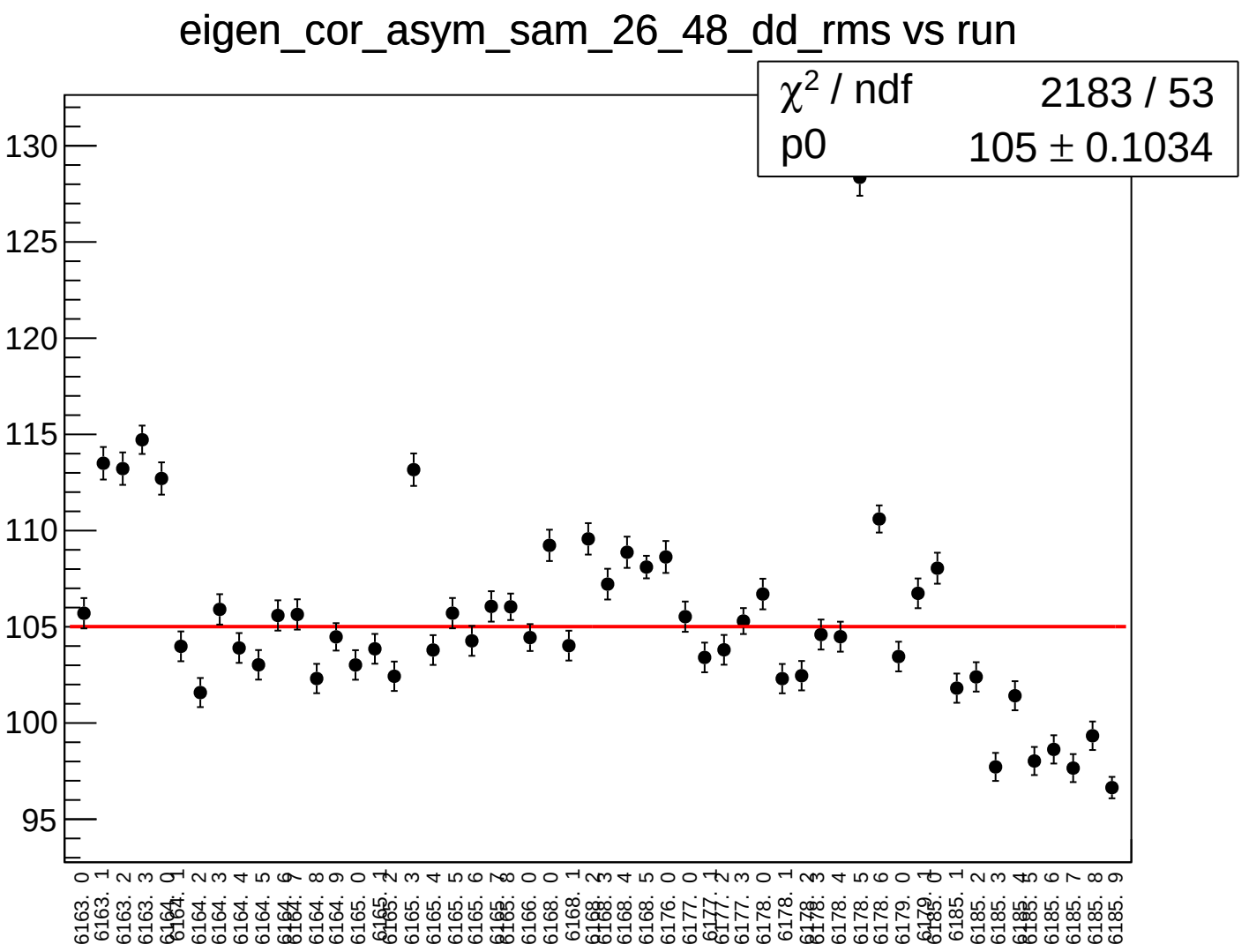
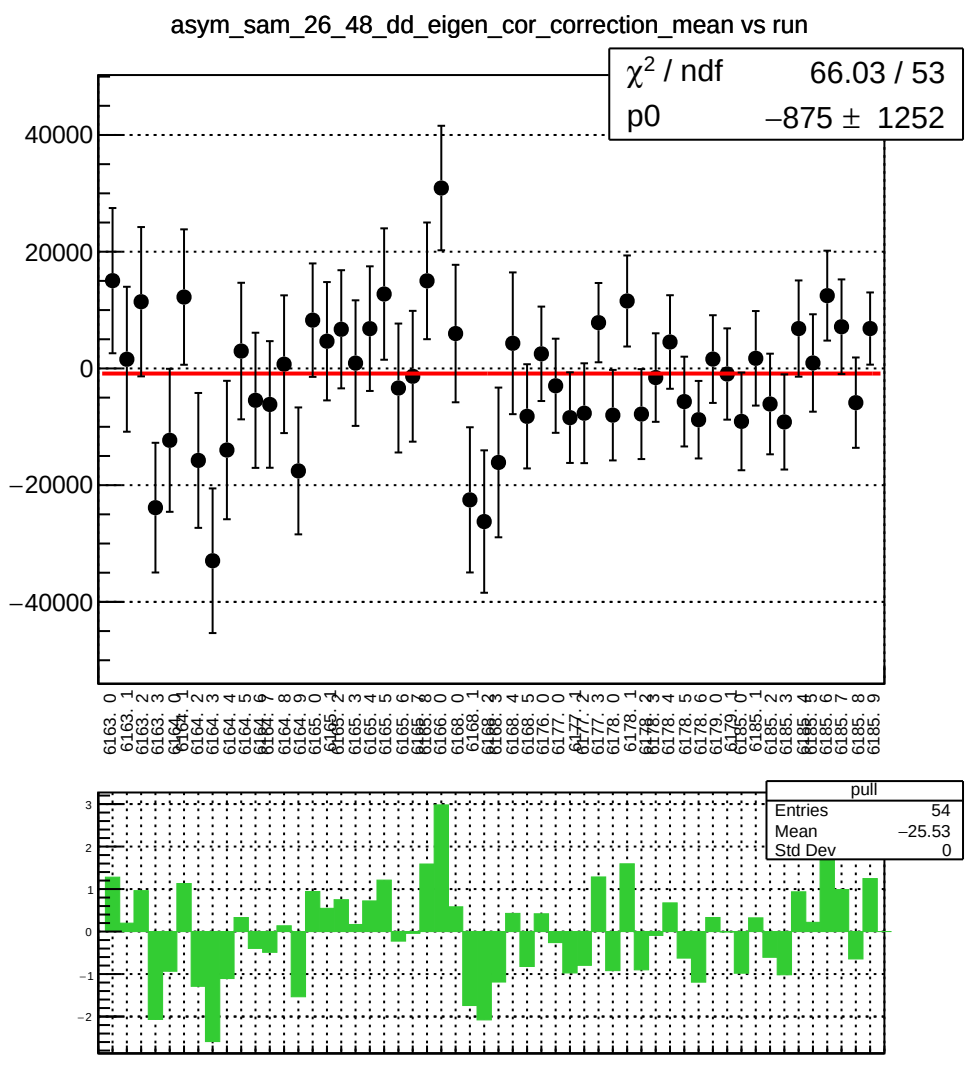
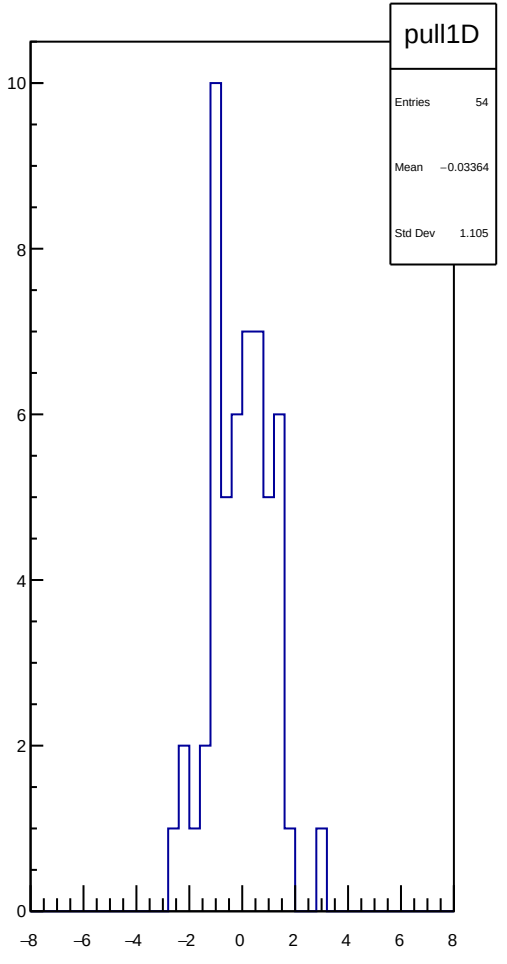
6185. 6
6185. 7
6185. 8
6185. 9

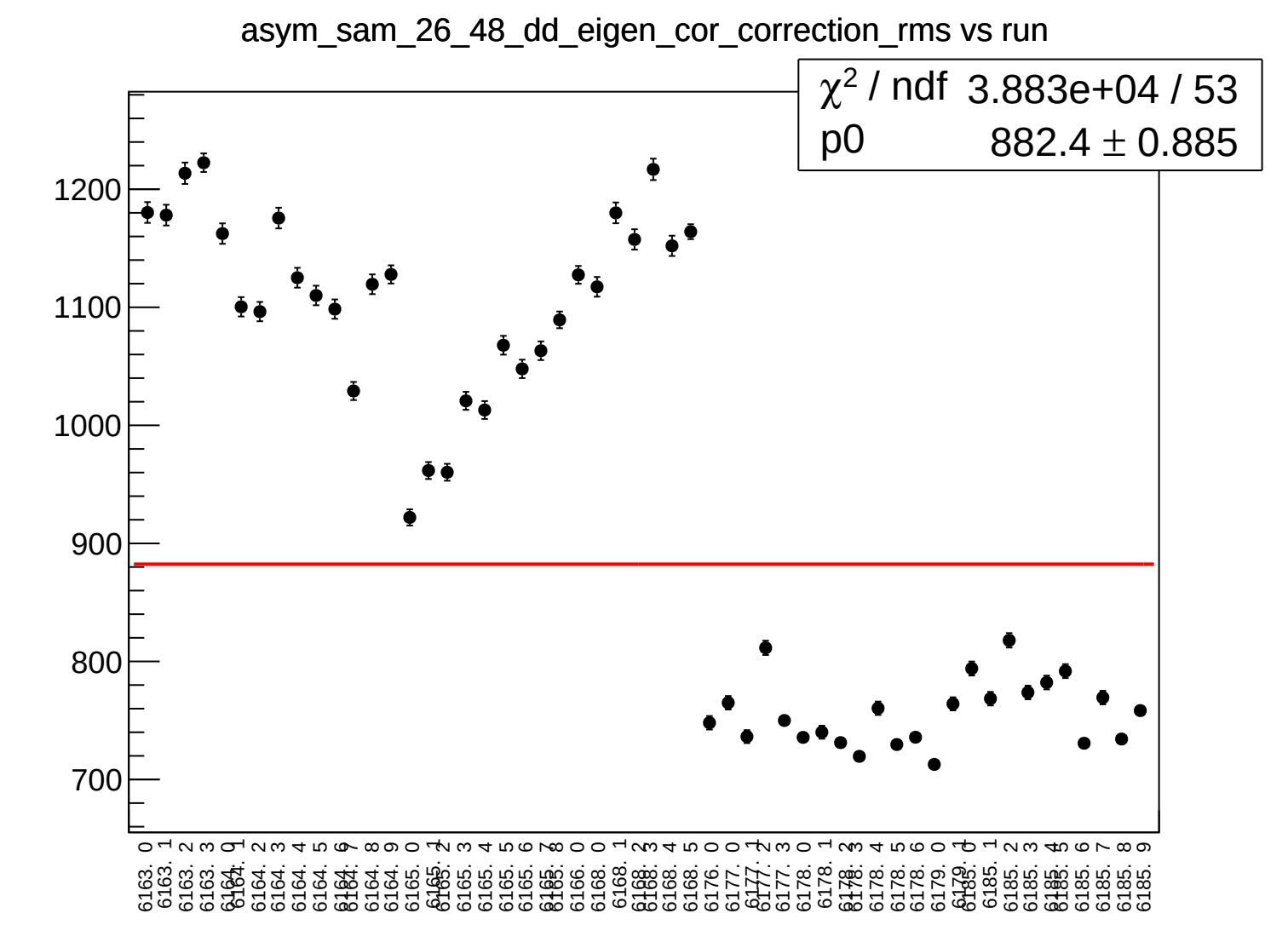

eigen_cor_asym_sam_26_48_dd_mean vs run
χ^2 / ndf 51.34 / 53
p0 131.3 ± 146.3
pull
Entries 54
Mean 191.8
Std Dev 0

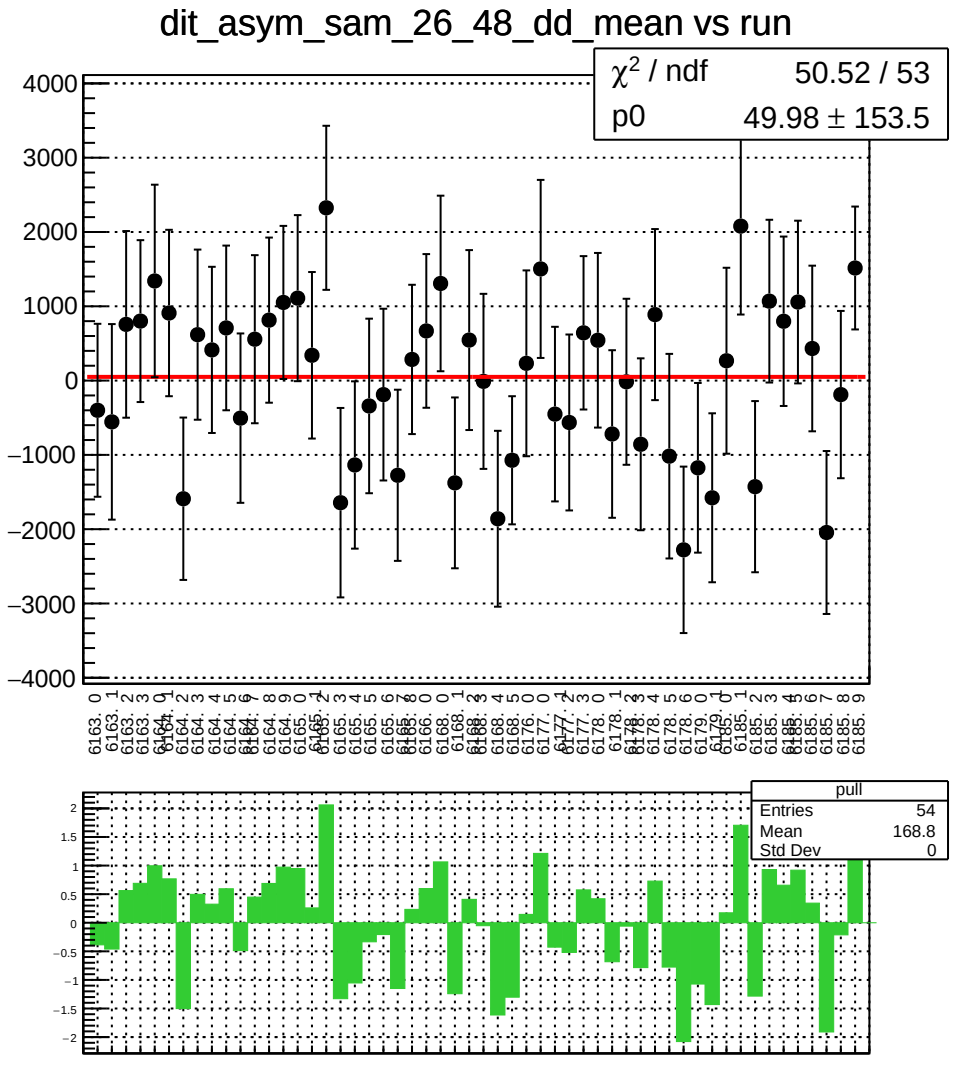

pull1D
Entries 54
Mean −0.004465
Std Dev 0.9751

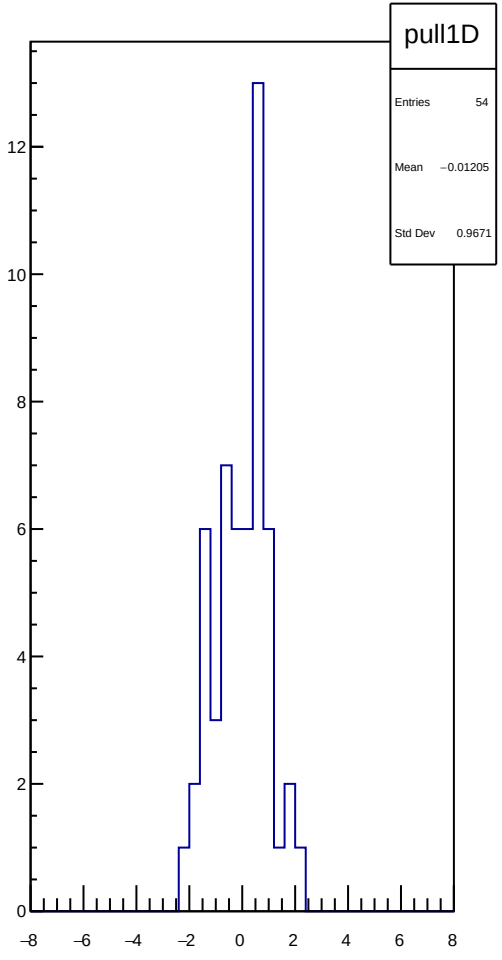

eigen_cor_asym_sam_26_48_dd_rms vs run
χ² / ndf 2183 / 53
p0 105 ± 0.1034
130
125
120
115
110
105
100
95
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

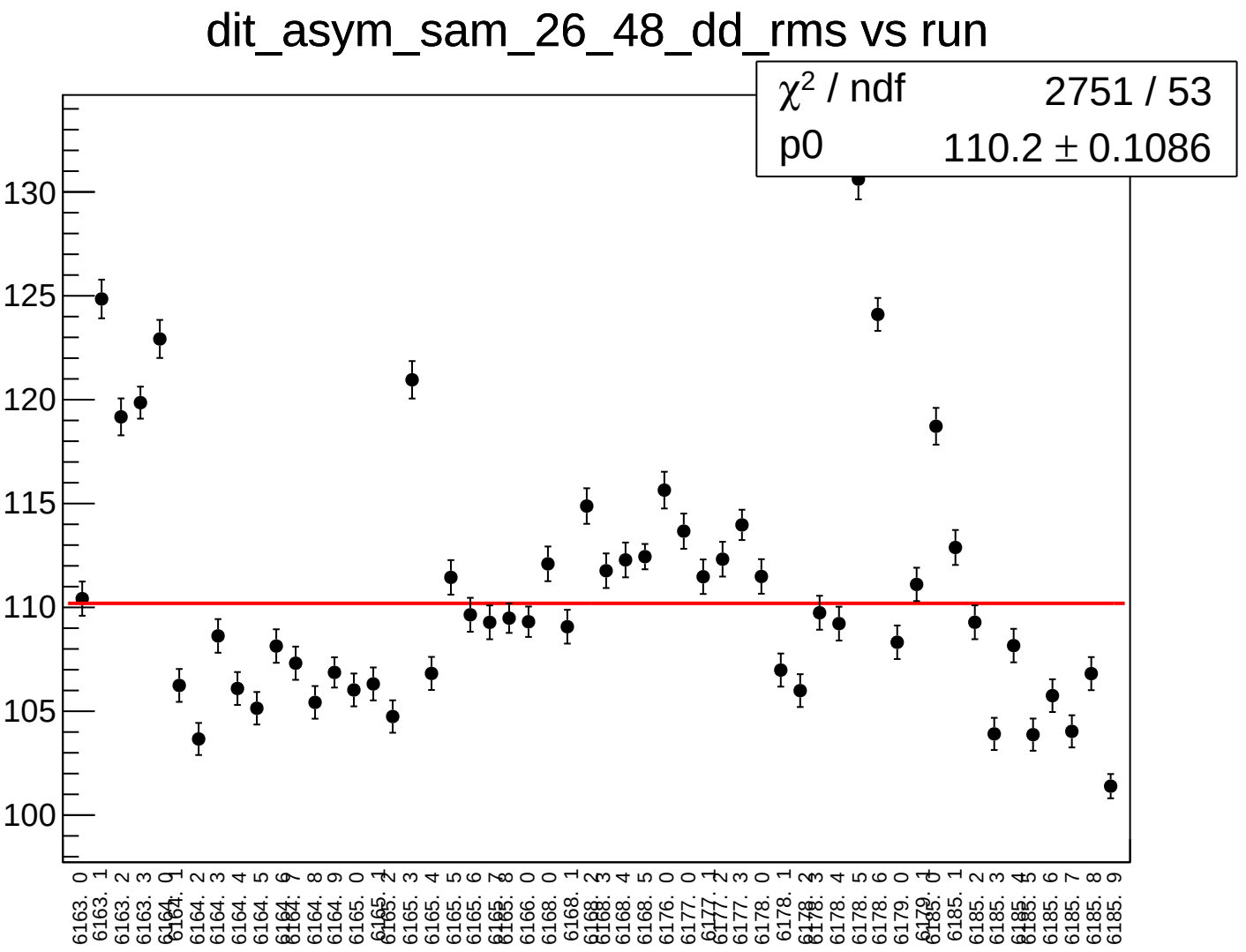

asym_sam_26_48_dd_eigen_cor_correction_mean vs run
χ² / ndf 66.03 / 53
p0 −875 ± 1252
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −25.53
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 54
Mean −0.03364
Std Dev 1.105
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 3.883e+04 / 53
p0 882.4 ± 0.885
1200
1100
1000
900
800
700
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 50.52 / 53
p0 49.98 ± 153.5
pull
Entries 54
Mean 168.8
Std Dev 0


pull1D
Entries 54
Mean −0.01205
Std Dev 0.9671


dit_asym_sam_26_48_dd_rms vs run
χ^2 / ndf 2751 / 53
p0 110.2 ± 0.1086
130
125
120
115
110
105
100
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 2
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
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6179. 0
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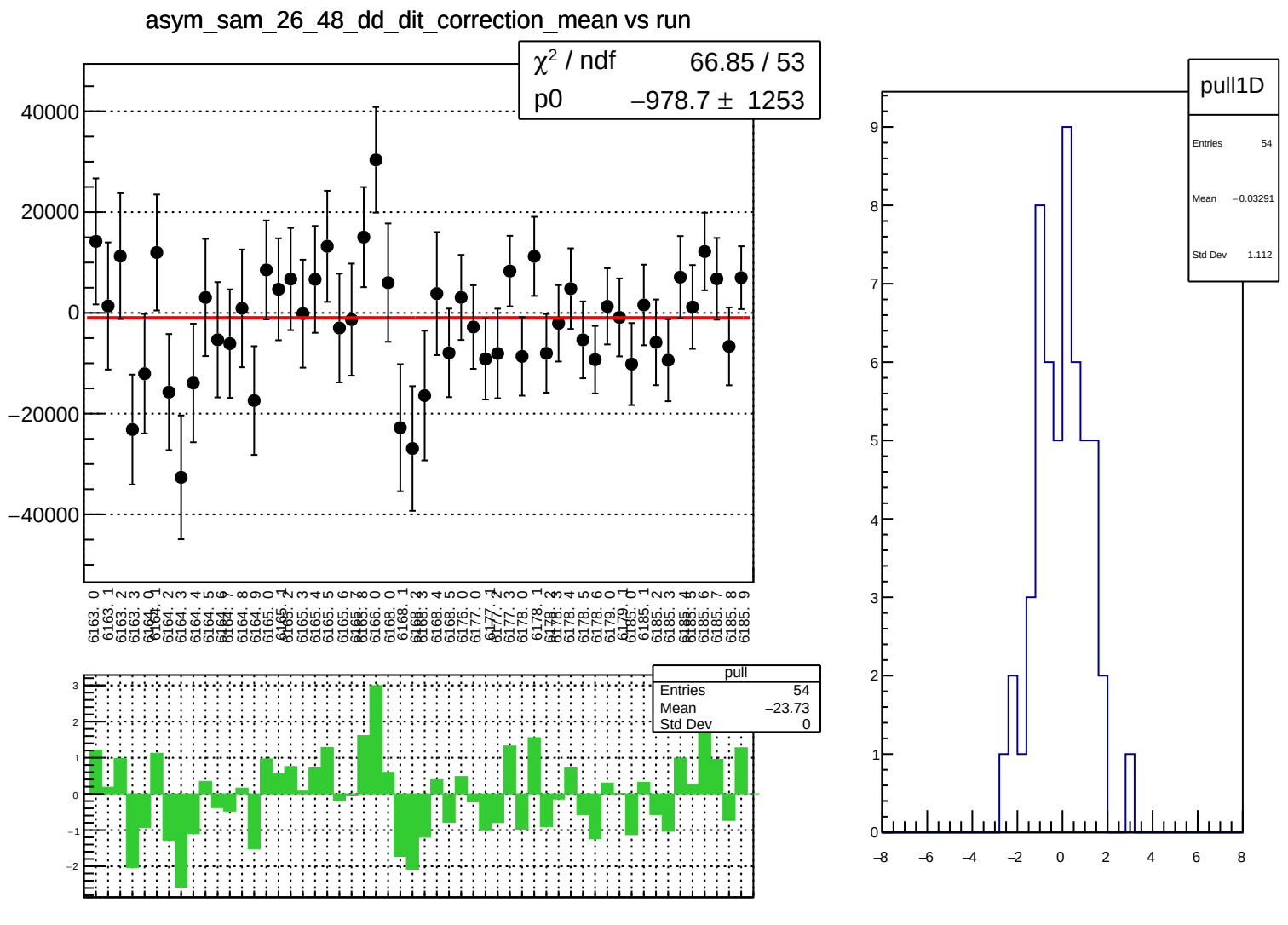
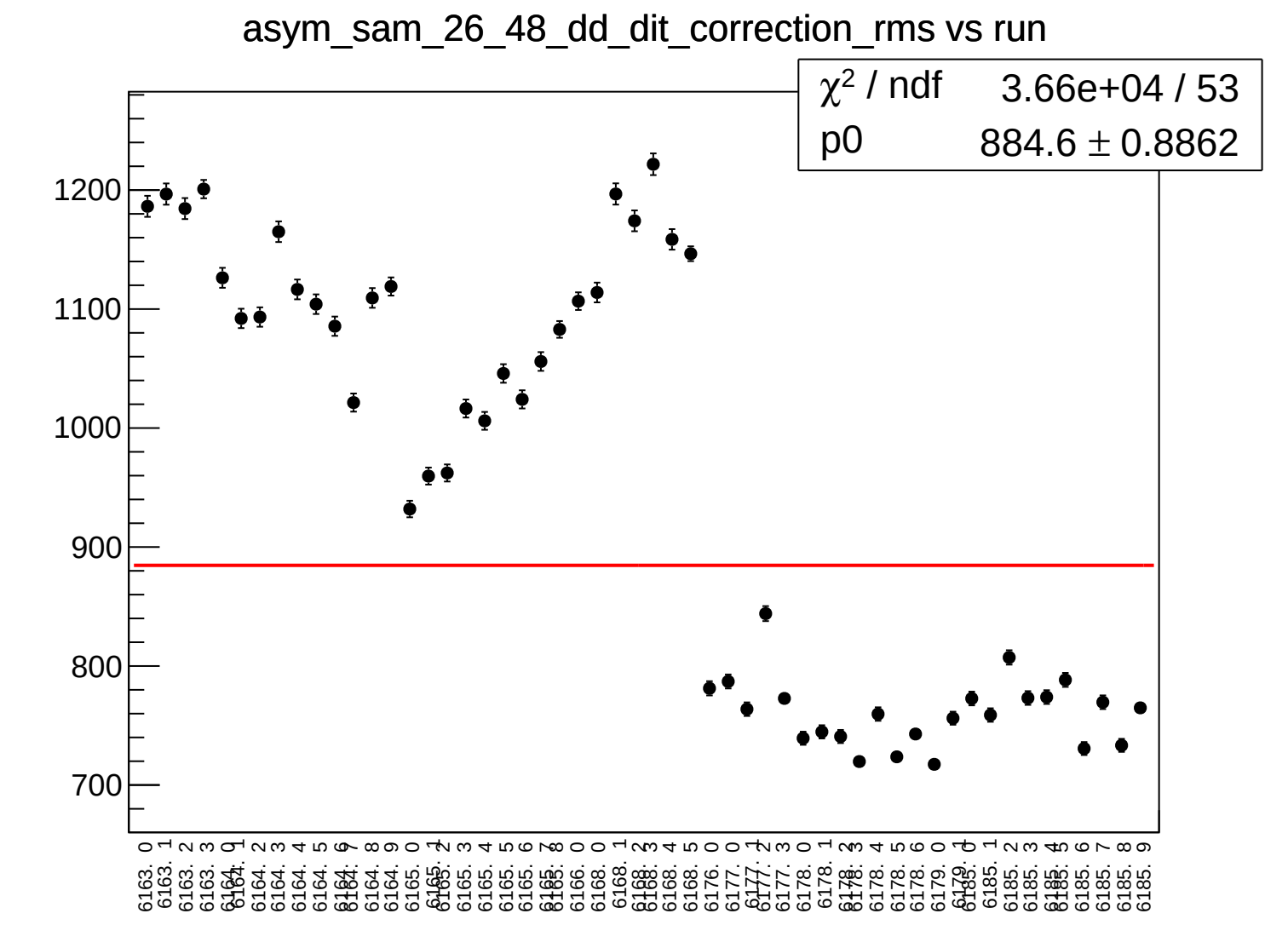
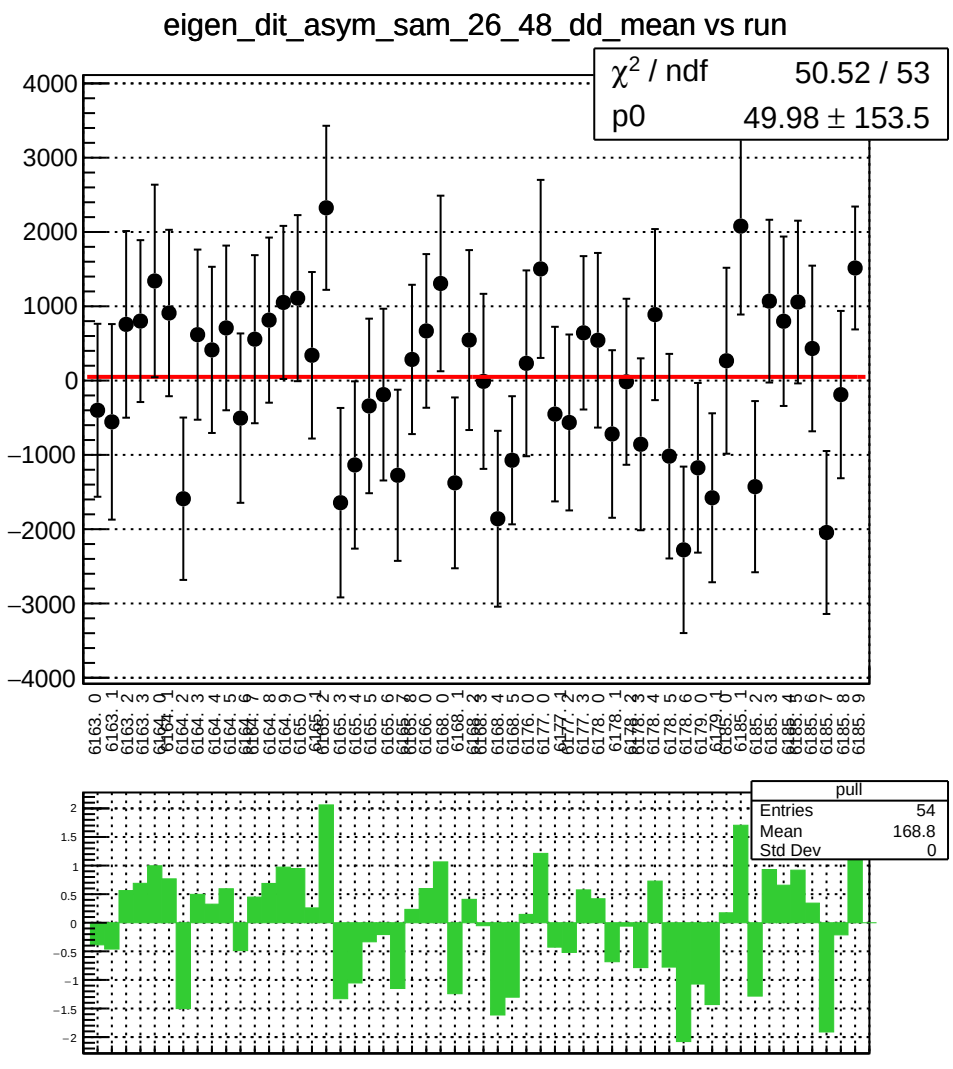
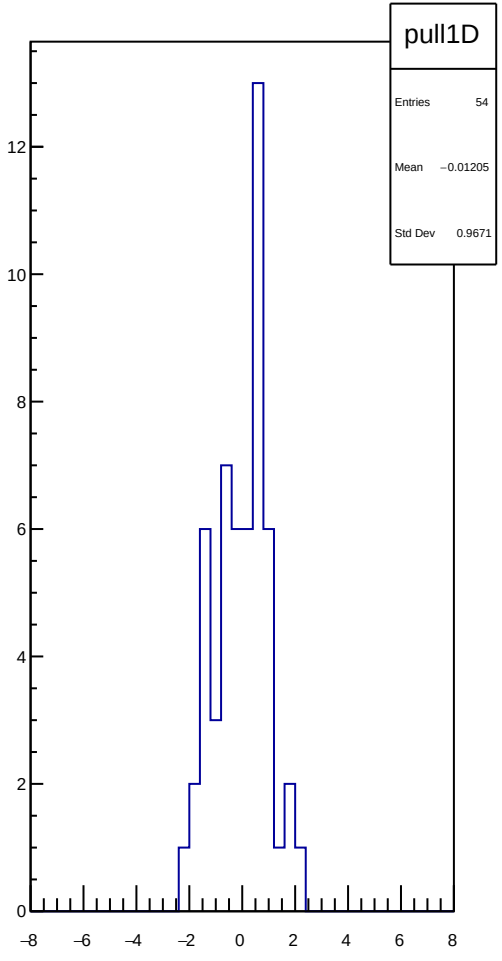
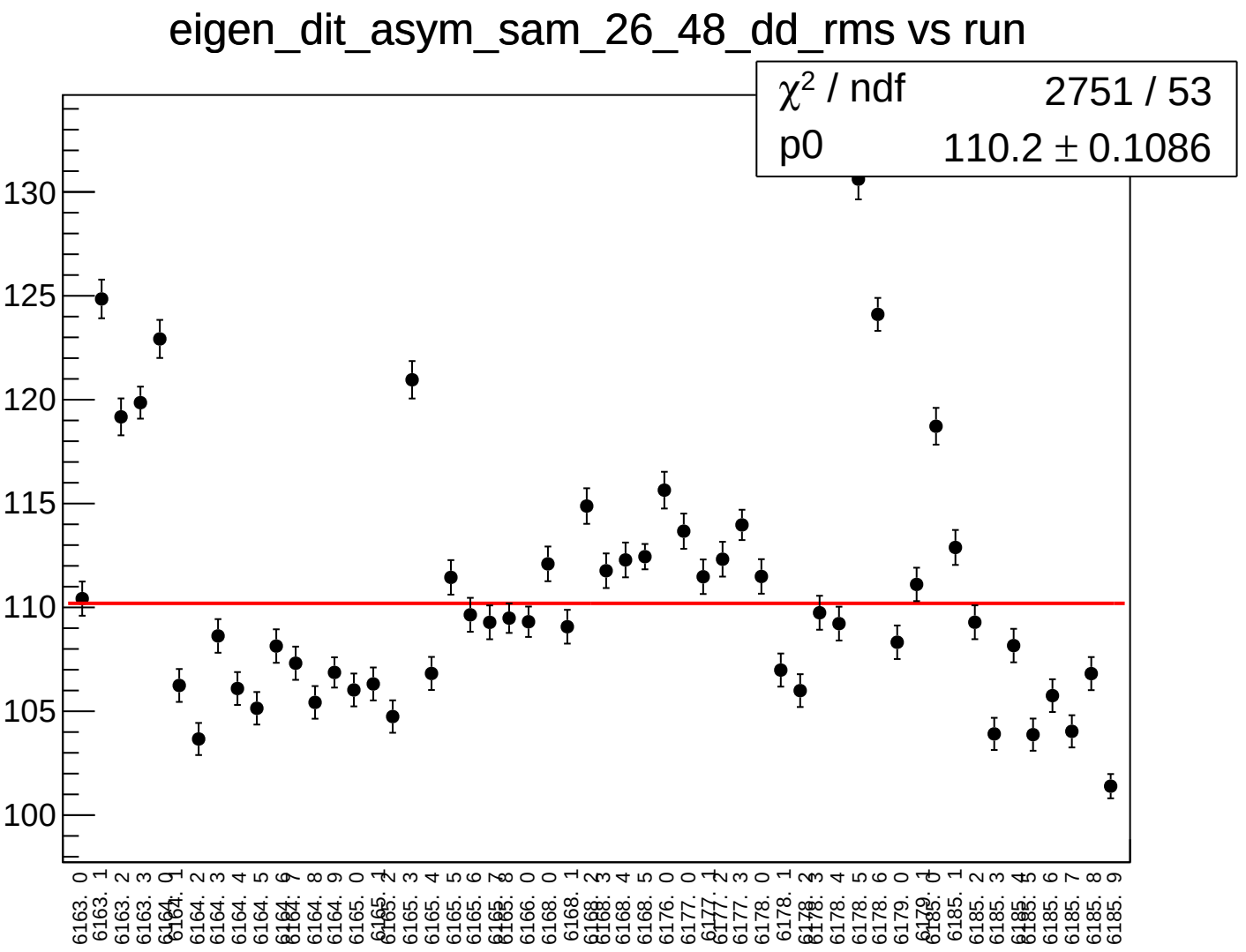
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

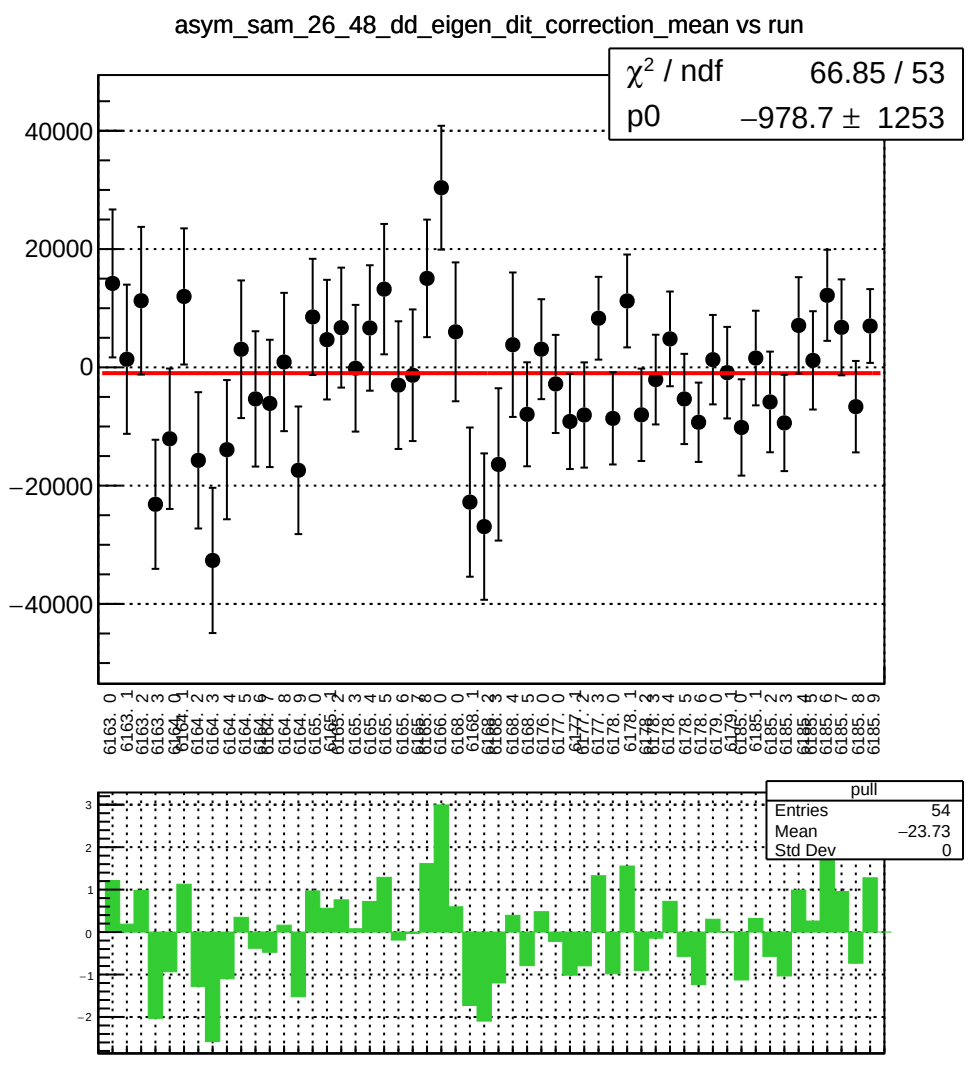

asym_sam_26_48_dd_dit_correction_mean vs run
χ² / ndf 66.85 / 53
p0 −978.7 ± 1253
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −23.73
Std Dev 0
pull1D
Entries 54
Mean −0.03291
Std Dev 1.112

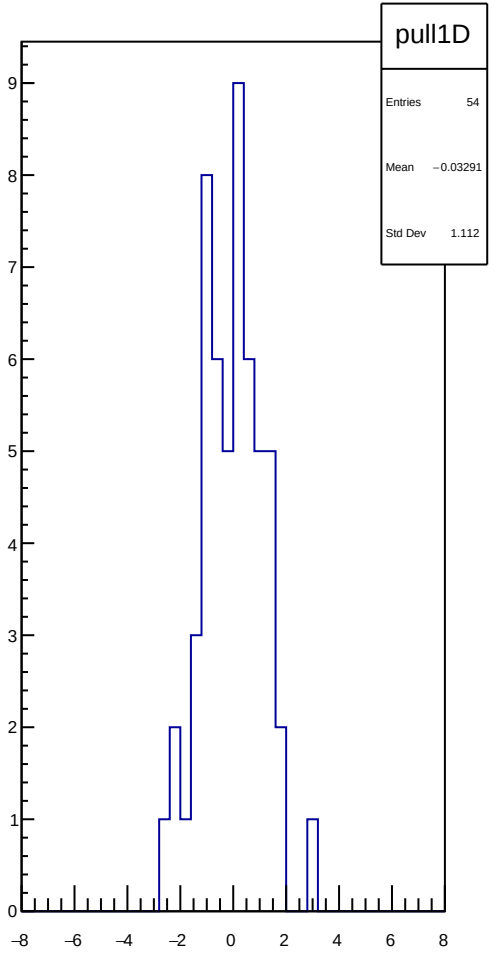

asym_sam_26_48_dd_dit_correction_rms vs run
χ² / ndf 3.66e+04 / 53
p0 884.6 ± 0.8862
1200
1100
1000
900
800
700
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

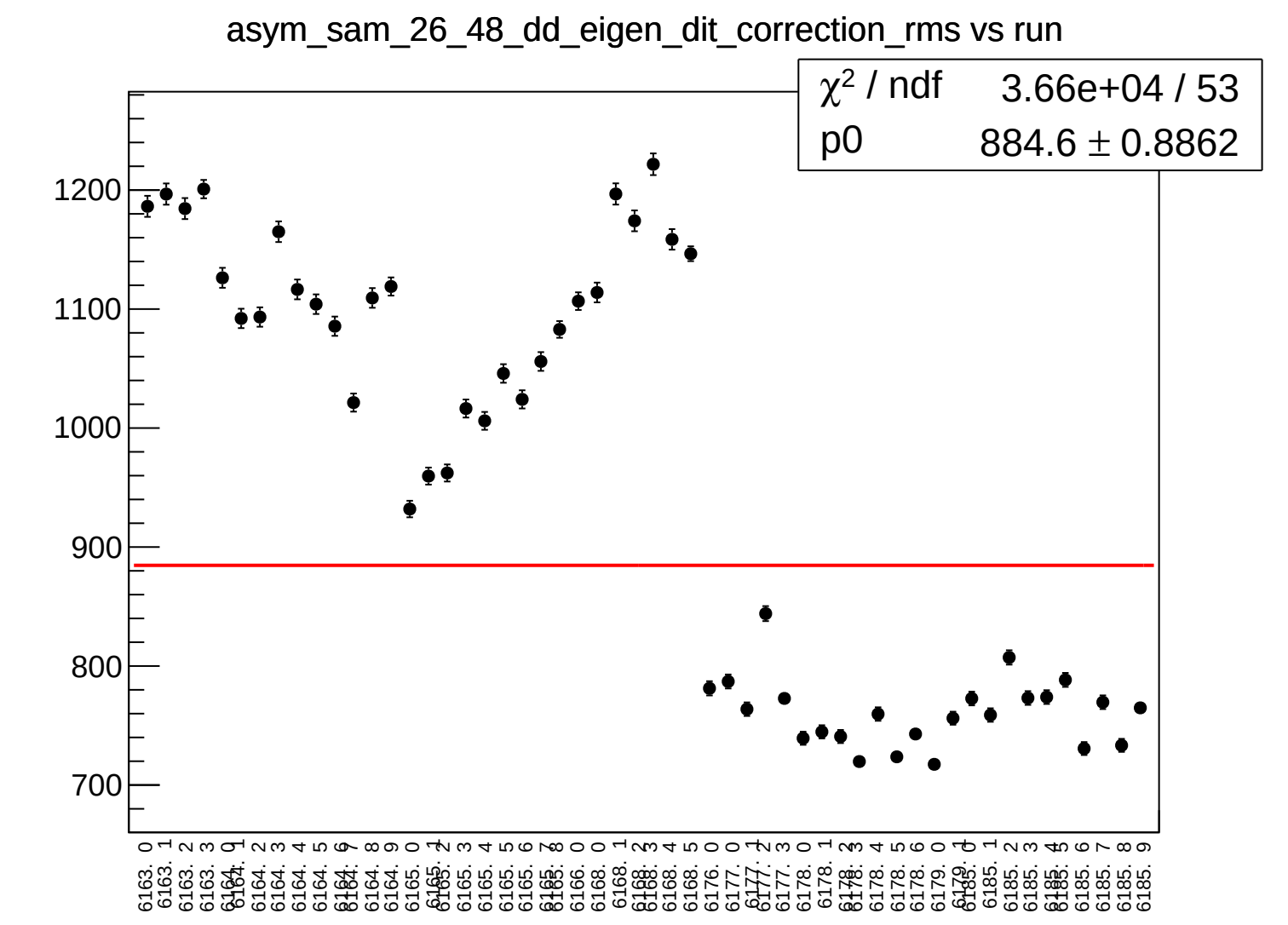

eigen_dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 50.52 / 53
p0 49.98 ± 153.5
pull
Entries 54
Mean 168.8
Std Dev 0

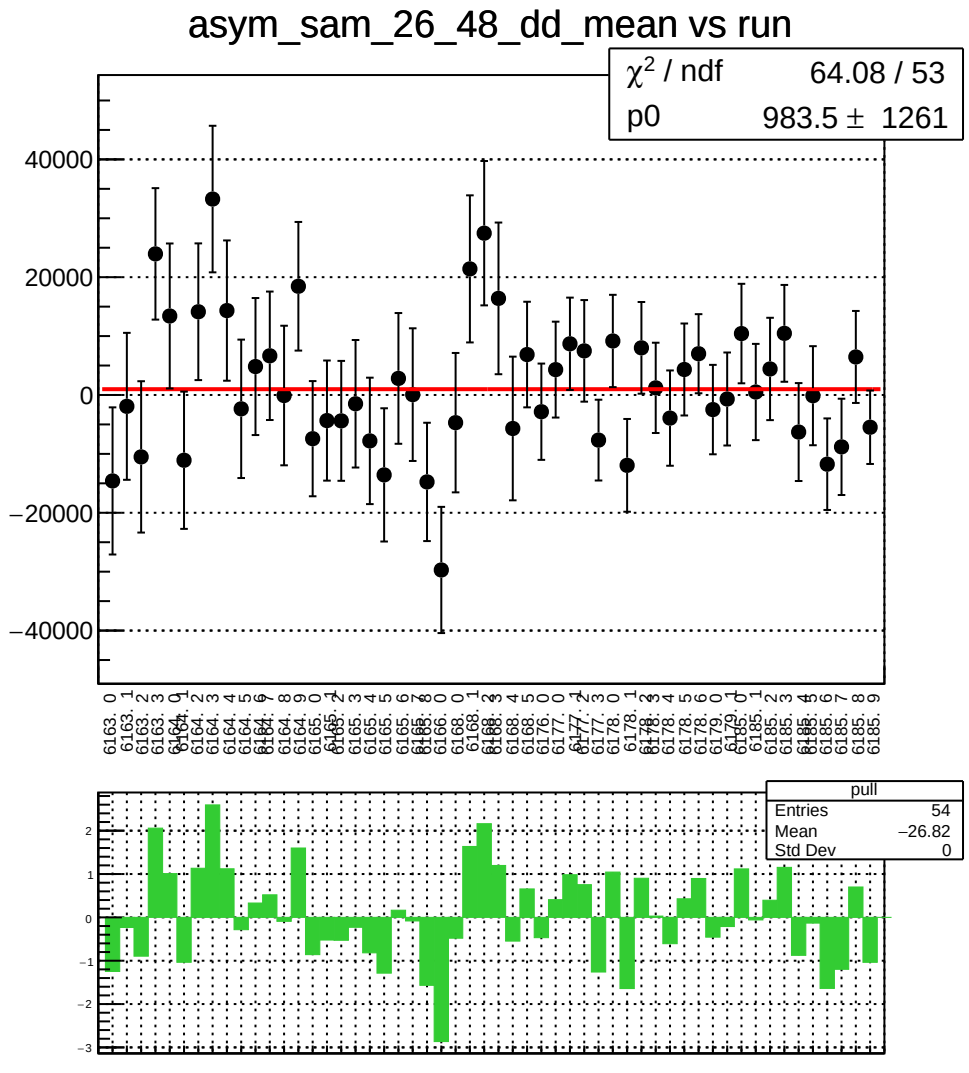

pull1D
Entries 54
Mean −0.01205
Std Dev 0.9671

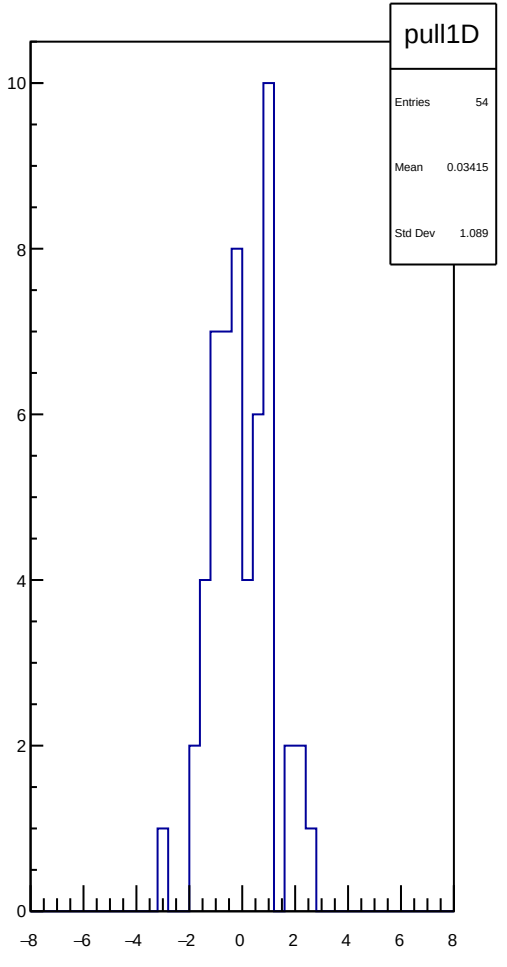

eigen_dit_asym_sam_26_48_dd_rms vs run
χ² / ndf 2751 / 53
p0 110.2 ± 0.1086
130
125
120
115
110
105
100
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 2
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

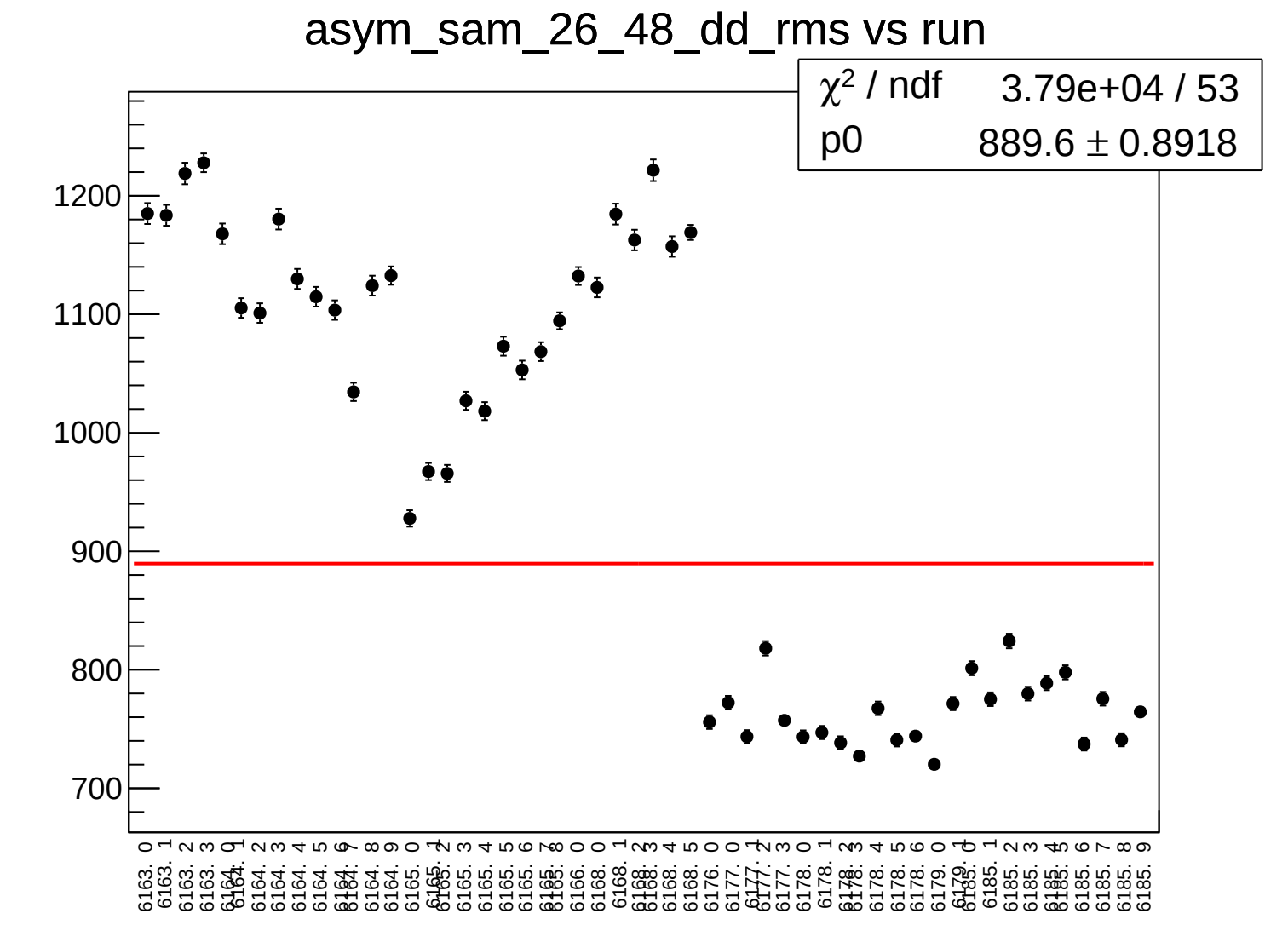

asym_sam_26_48_dd_eigen_dit_correction_mean vs run
χ² / ndf 66.85 / 53
p0 −978.7 ± 1253
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −23.73
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 54
Mean −0.03291
Std Dev 1.112
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_26_48_dd_eigen_dit_correction_rms vs run
χ² / ndf 3.66e+04 / 53
p0 884.6 ± 0.8862
1200
1100
1000
900
800
700
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


asym_sam_26_48_dd_mean vs run
χ² / ndf 64.08 / 53
p0 983.5 ± 1261
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −26.82
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 54
Mean 0.03415
Std Dev 1.089
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_26_48_dd_rms vs run
χ² / ndf 3.79e+04 / 53
p0 889.6 ± 0.8918
1200
1100
1000
900
800
700
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
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6179. 0
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6185. 2
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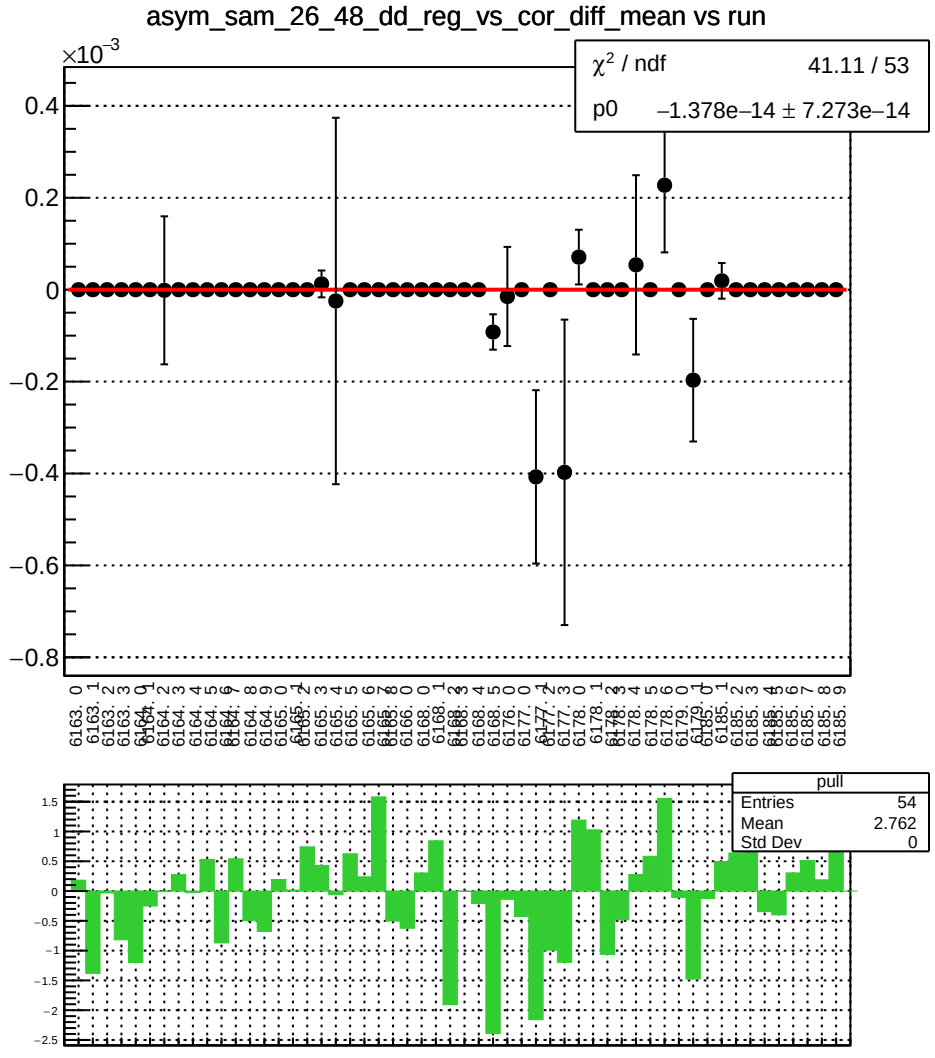
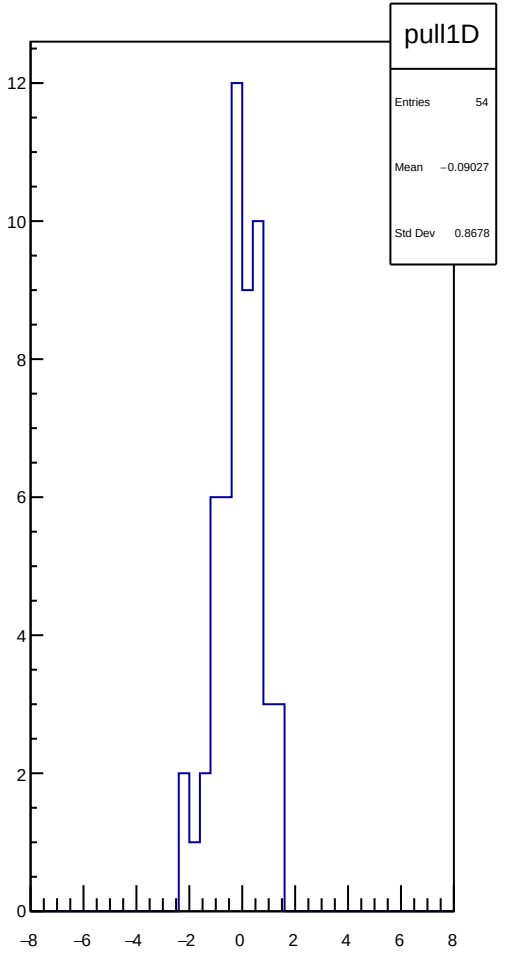
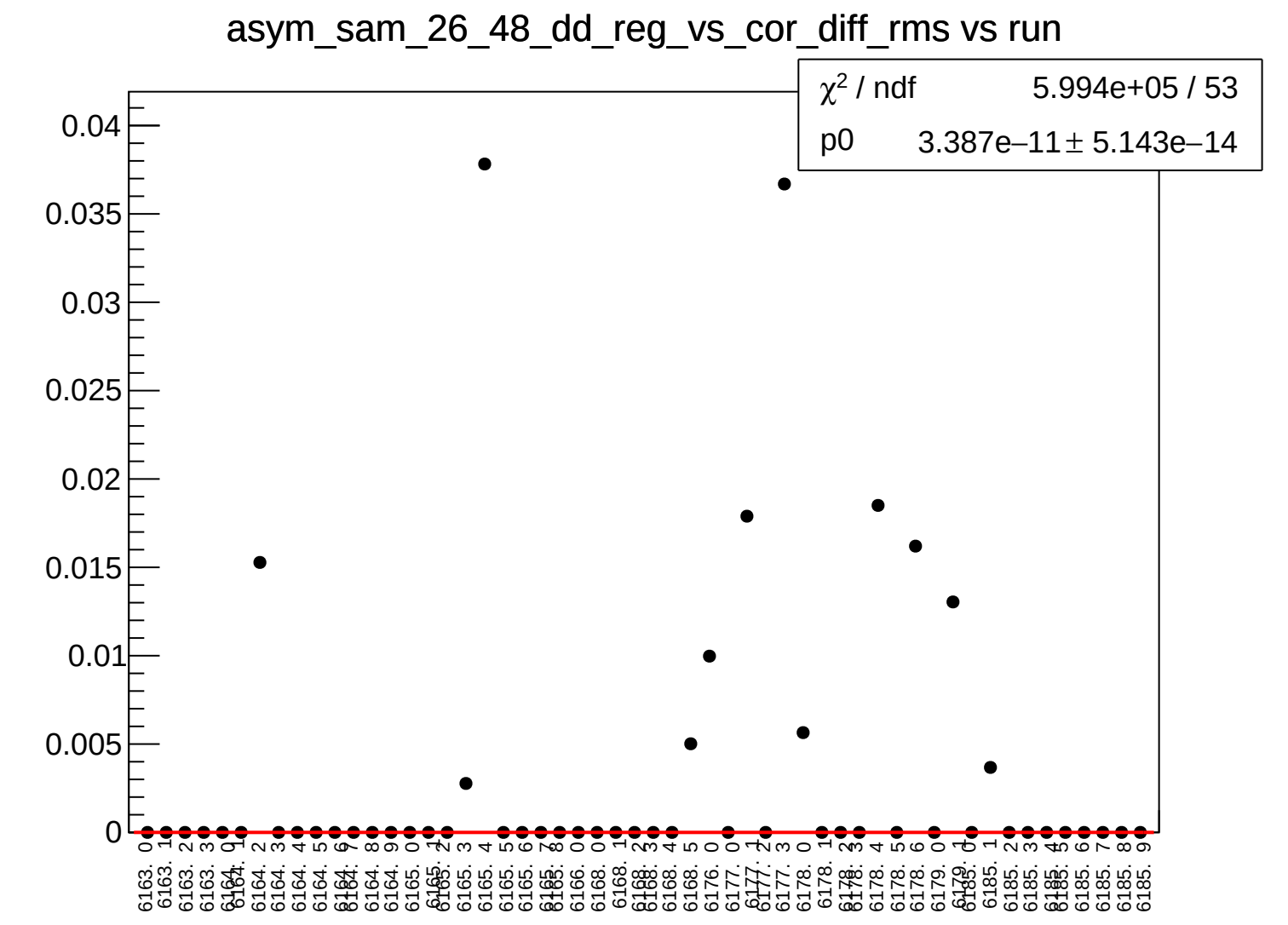
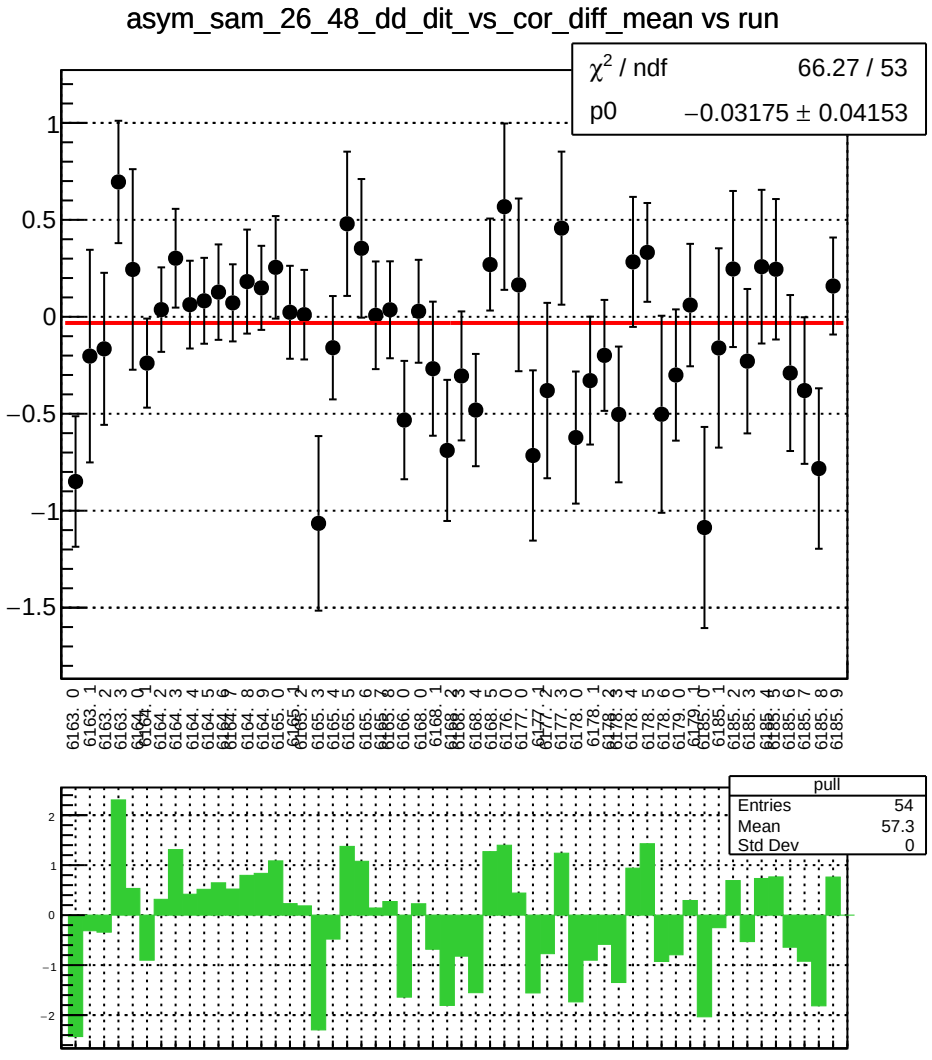
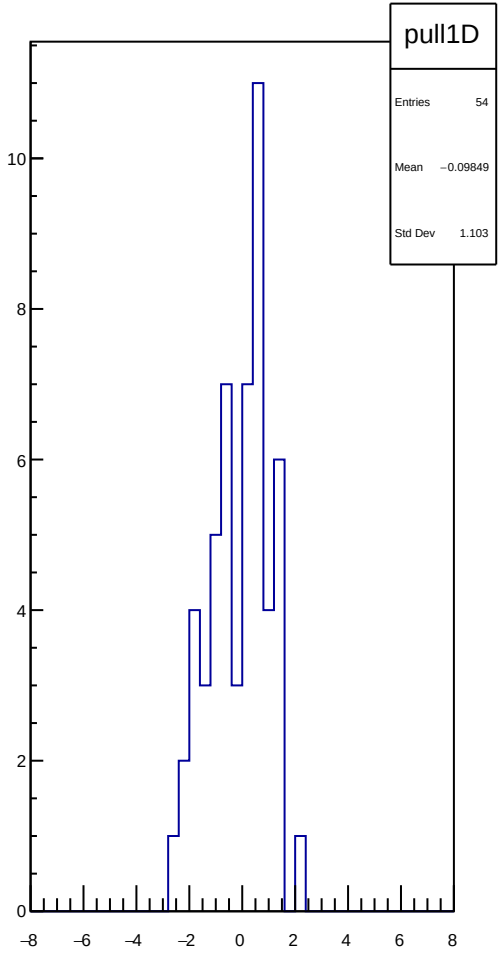
6185. 6
6185. 7
6185. 8
6185. 9

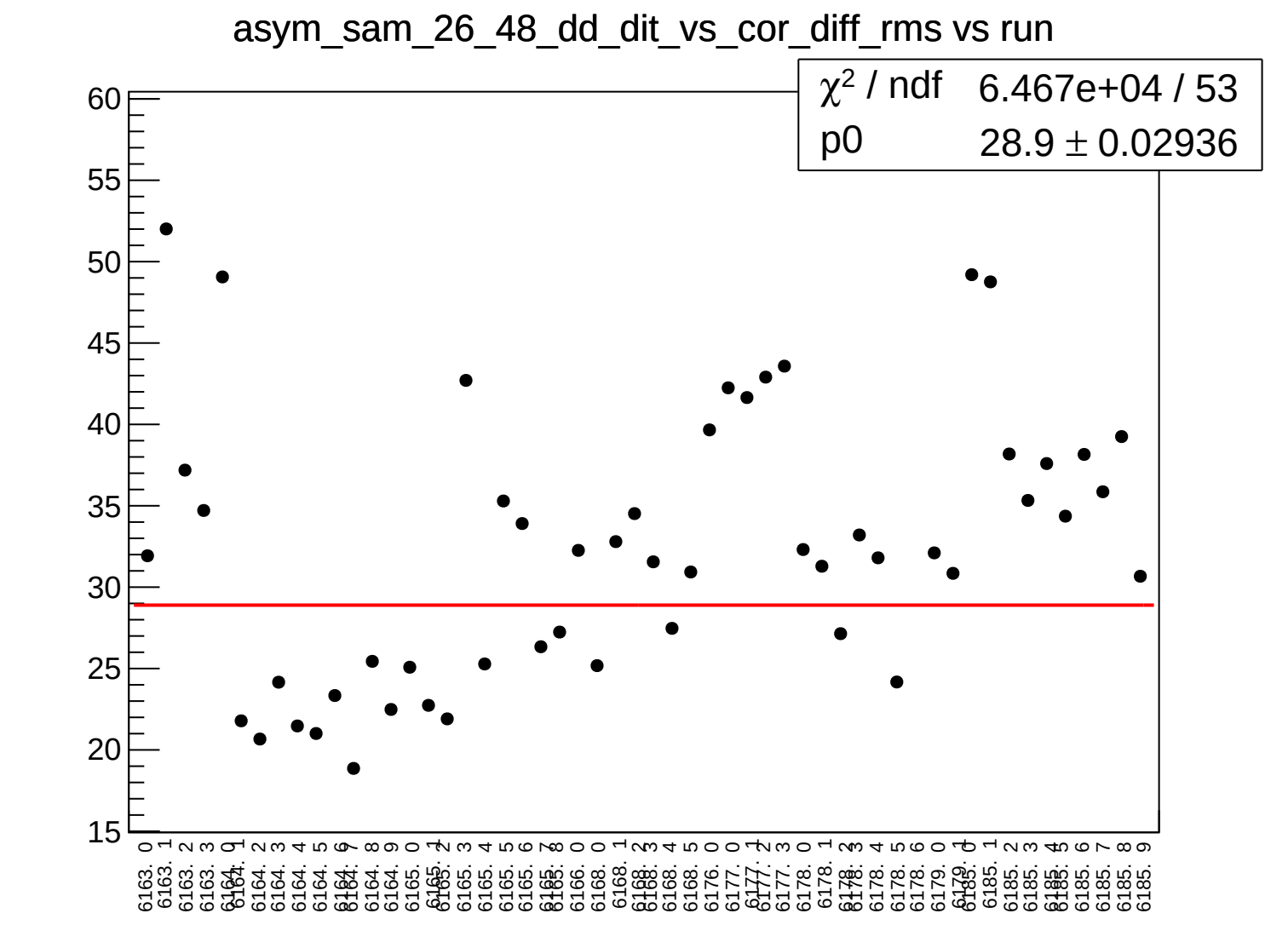

asym_sam_26_48_dd_reg_vs_cor_diff_mean vs run
×10^−3
χ² / ndf 41.11 / 53
p0 −1.378e−14 ± 7.273e−14
pull
Entries 54
Mean 2.762
Std Dev 0

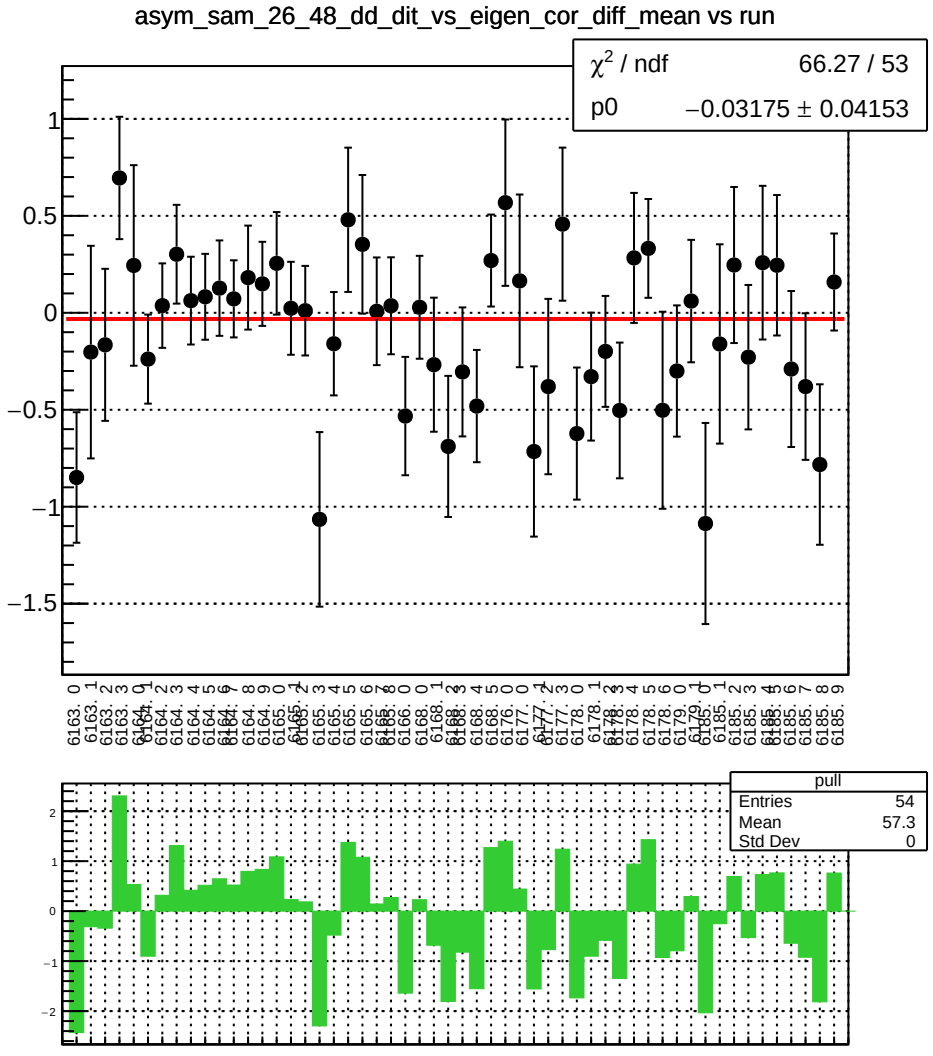

pull1D
Entries 54
Mean −0.09027
Std Dev 0.8678

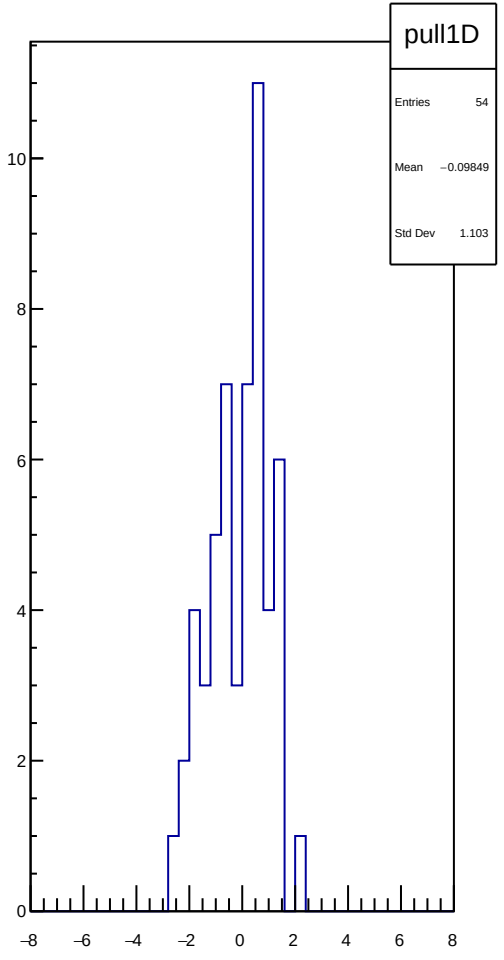

asym_sam_26_48_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.994e+05 / 53
p0 3.387e−11 ± 5.143e−14
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

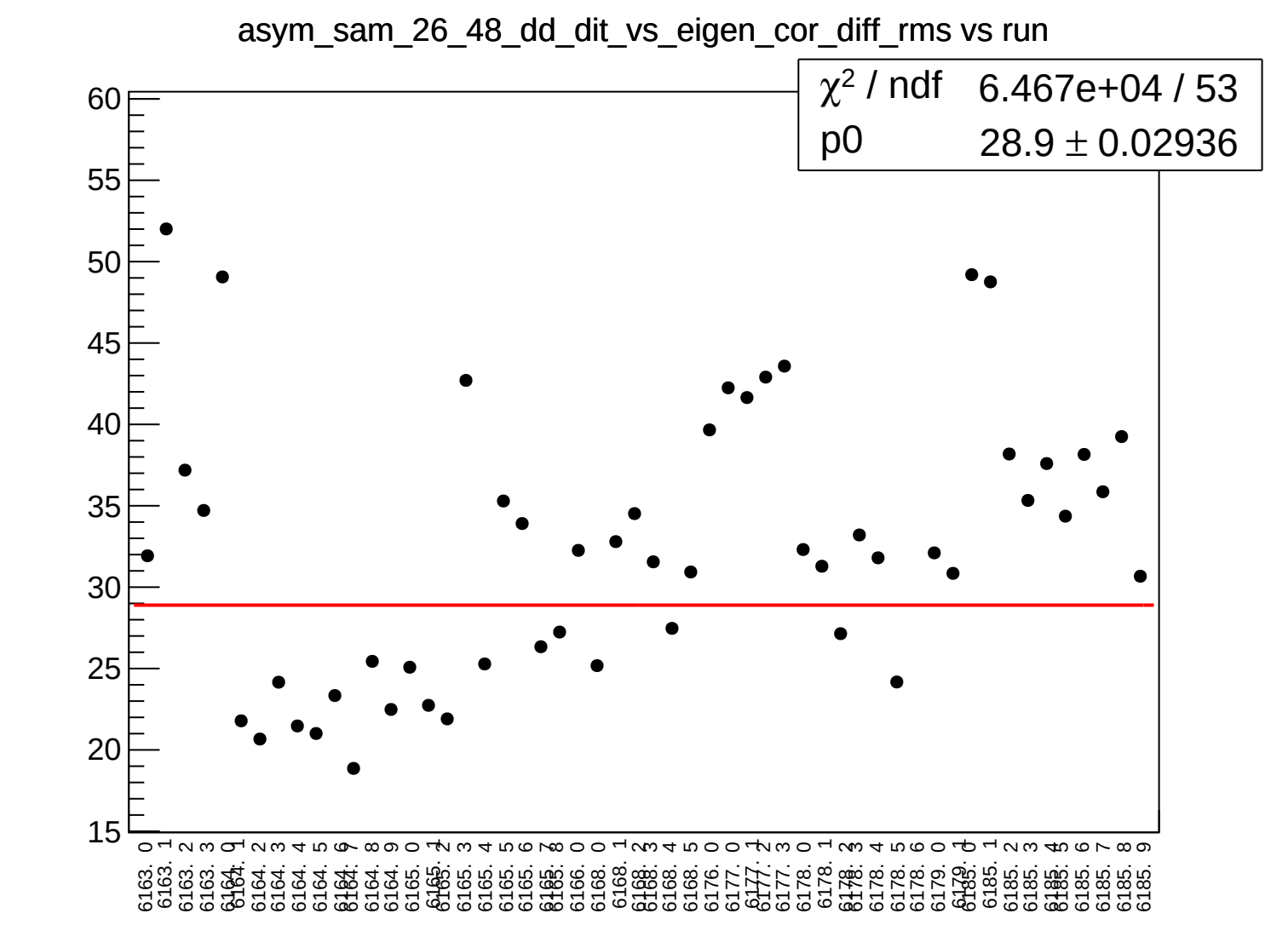

asym_sam_26_48_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 66.27 / 53
p0 −0.03175 ± 0.04153
pull
Entries 54
Mean 57.3
Std Dev 0

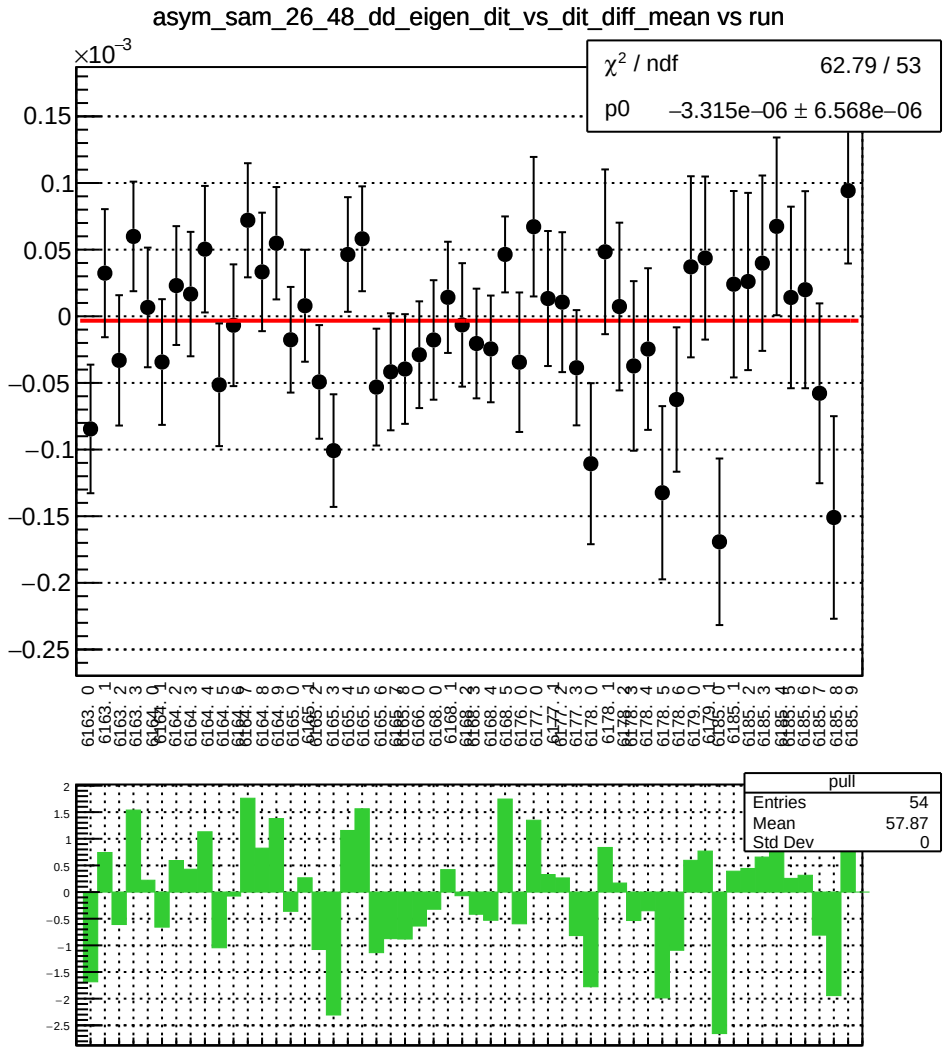

pull1D
Entries 54
Mean −0.09849
Std Dev 1.103

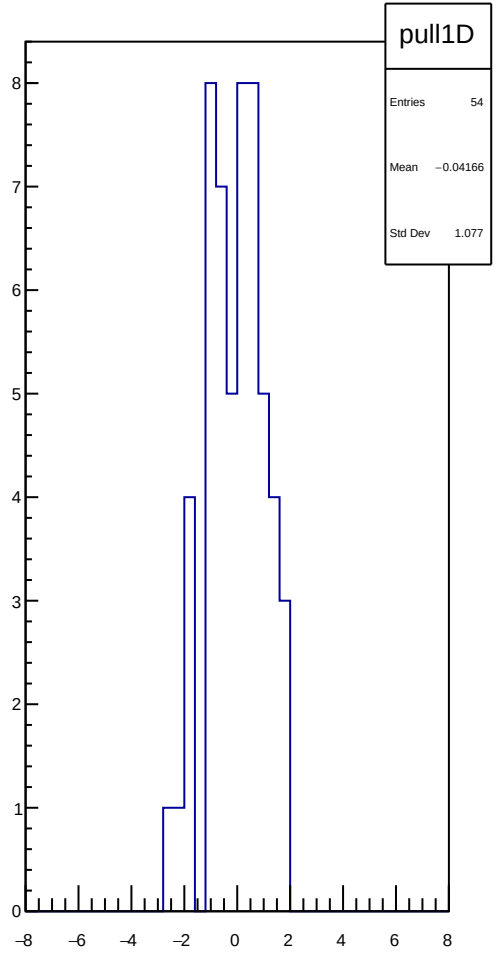

asym_sam_26_48_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 6.467e+04 / 53
p0 28.9 ± 0.02936
60
55
50
45
40
35
30
25
20
15
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

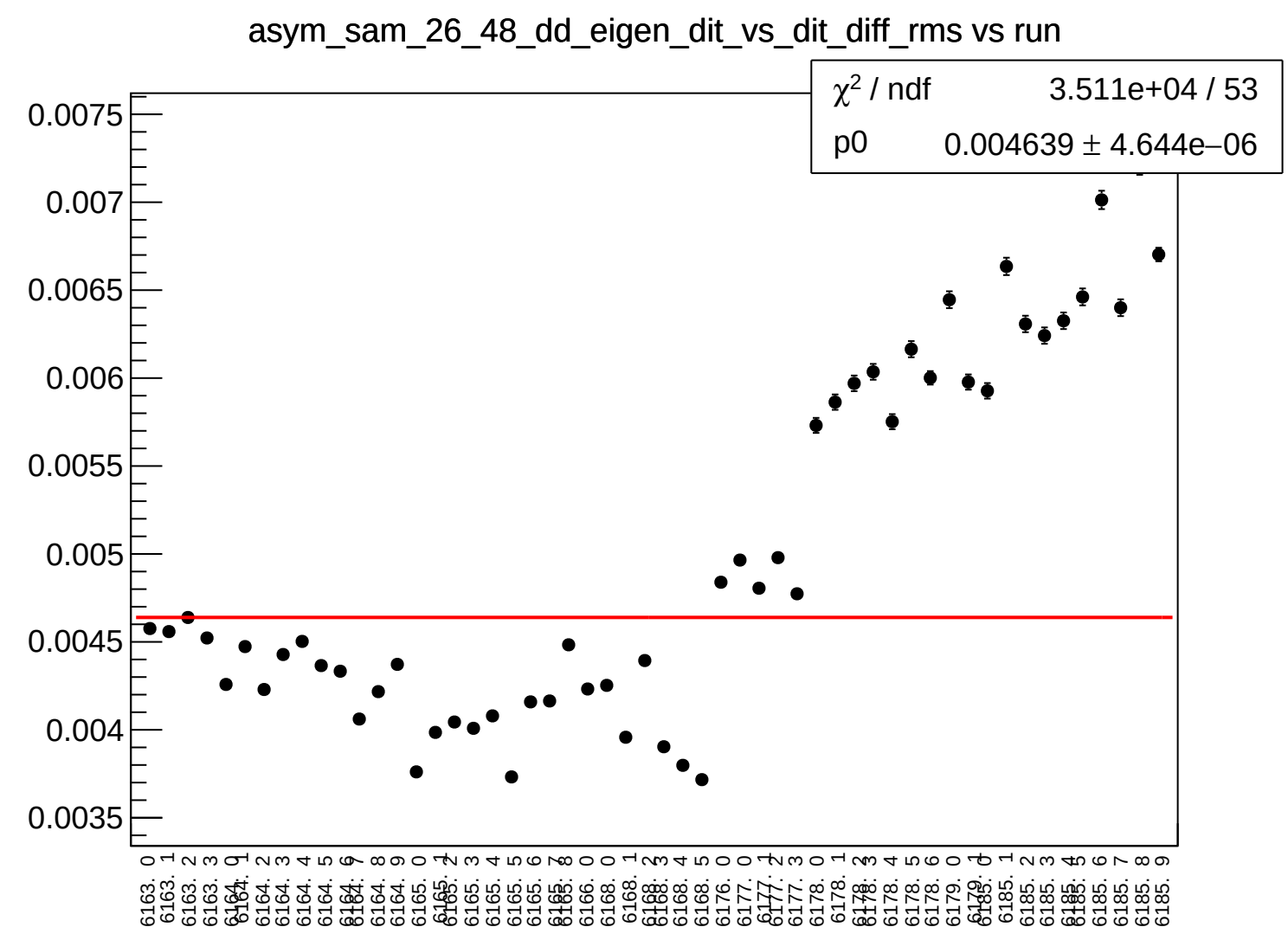

asym_sam_26_48_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 66.27 / 53
p0 −0.03175 ± 0.04153
pull
Entries 54
Mean 57.3
Std Dev 0

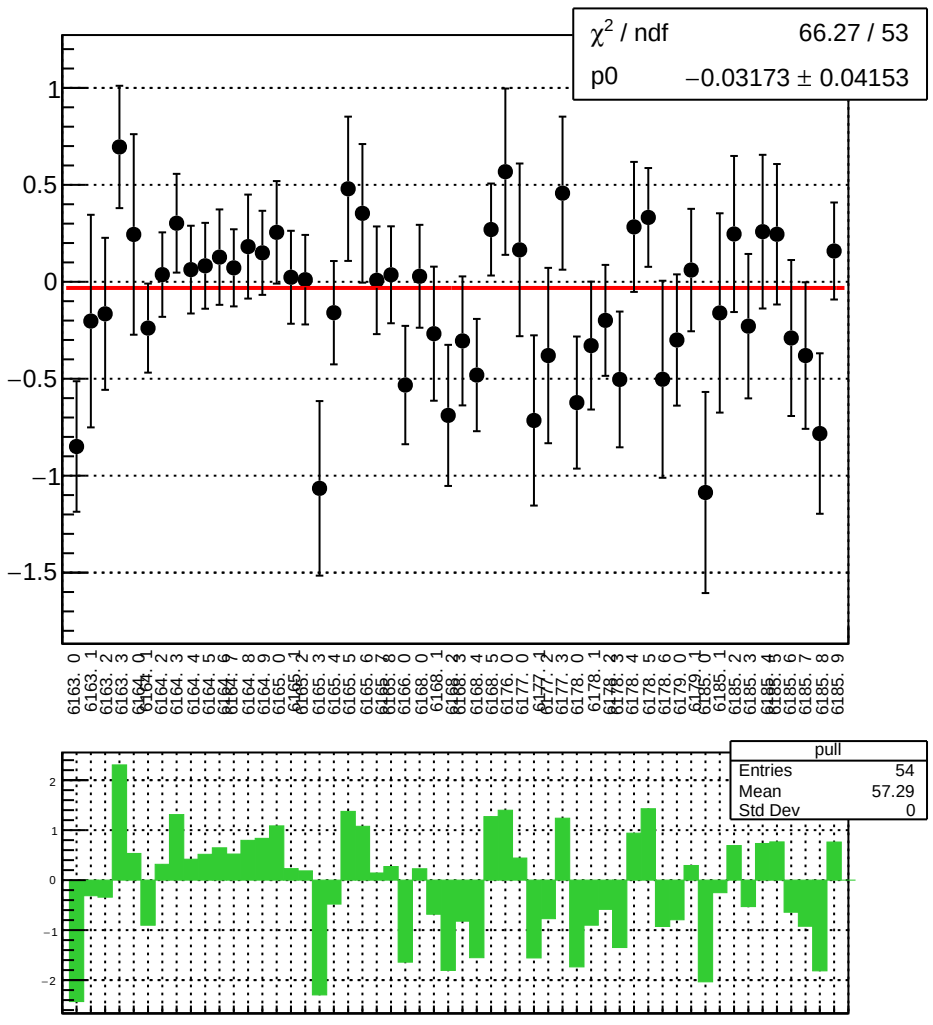

pull1D
Entries 54
Mean −0.09849
Std Dev 1.103

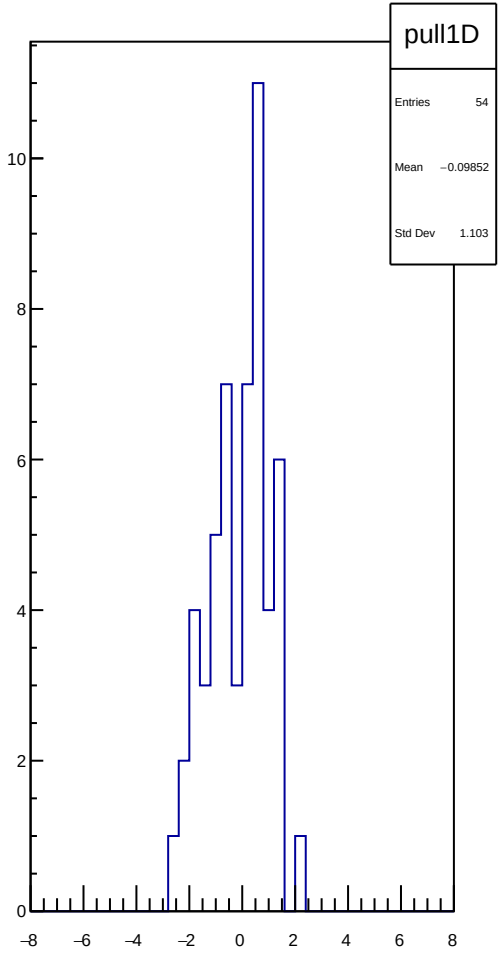

asym_sam_26_48_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.467e+04 / 53
p0 28.9 ± 0.02936
60
55
50
45
40
35
30
25
20
15
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

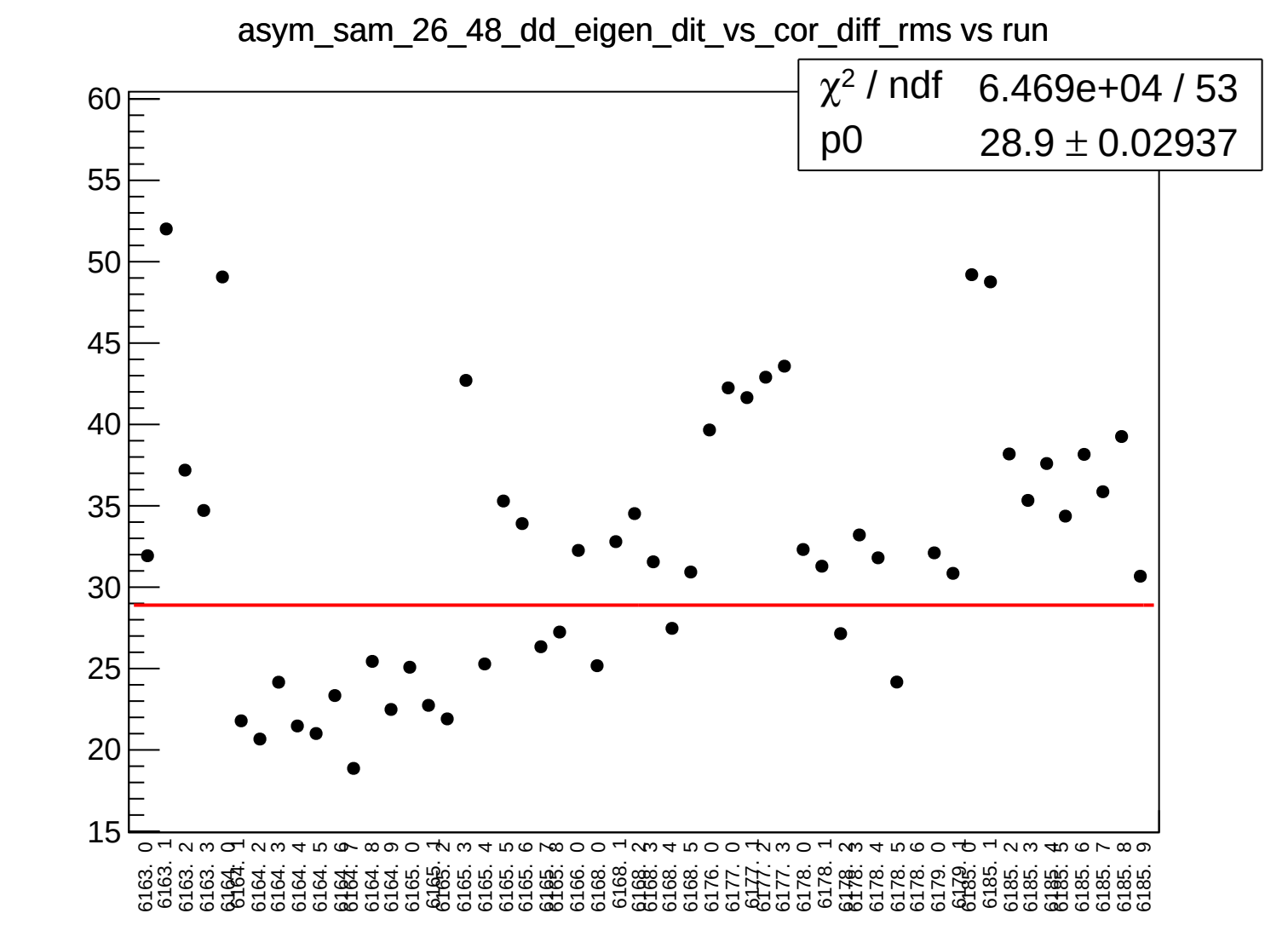

asym_sam_26_48_dd_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 62.79 / 53
p0 −3.315e−06 ± 6.568e−06
pull
Entries 54
Mean 57.87
Std Dev 0

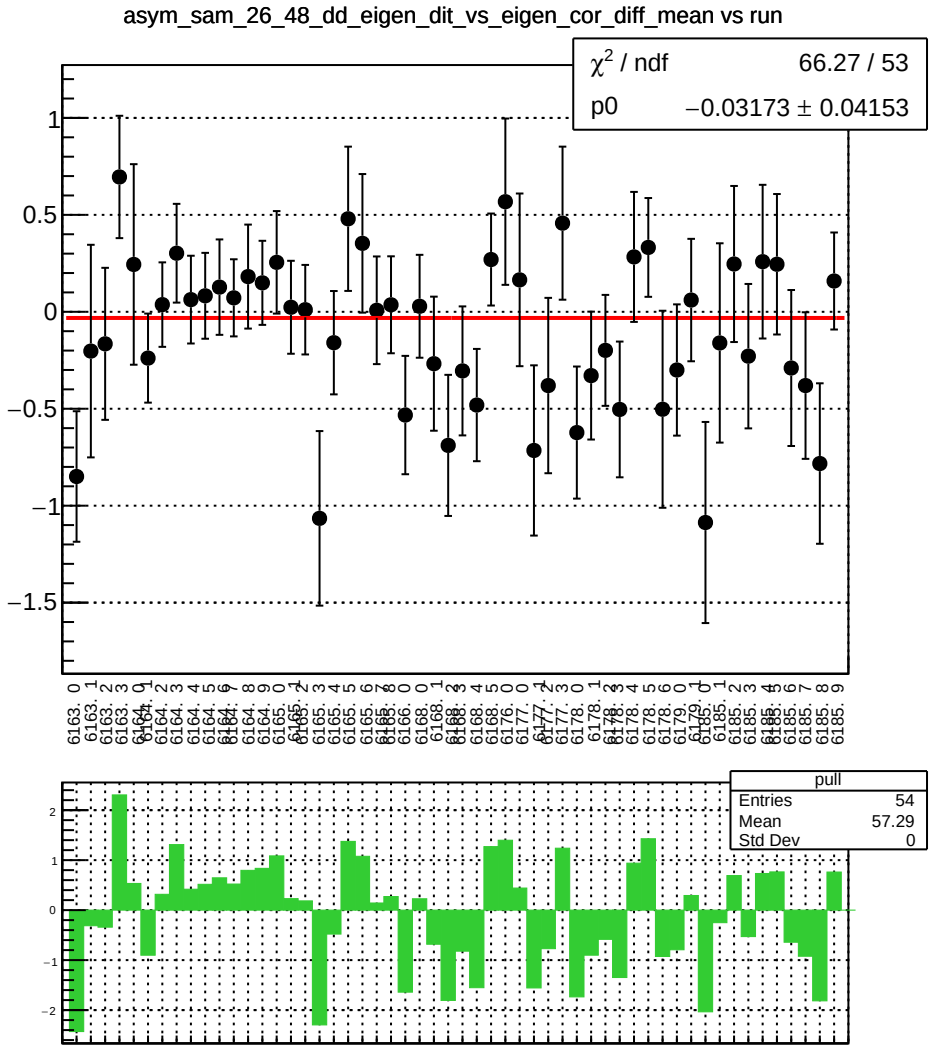

pull1D
Entries 54
Mean −0.04166
Std Dev 1.077

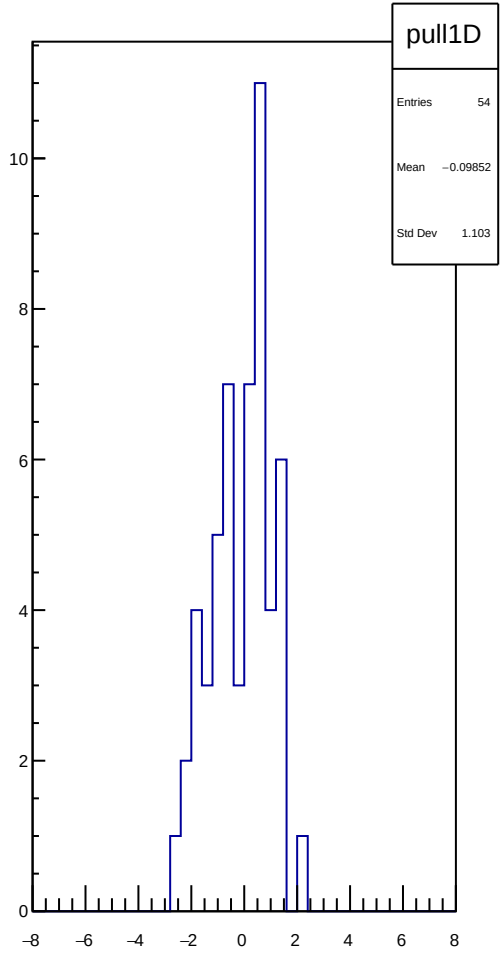

asym_sam_26_48_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3.511e+04 / 53
p0 0.004639 ± 4.644e−06
0.0075
0.007
0.0065
0.006
0.0055
0.005
0.0045
0.004
0.0035
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

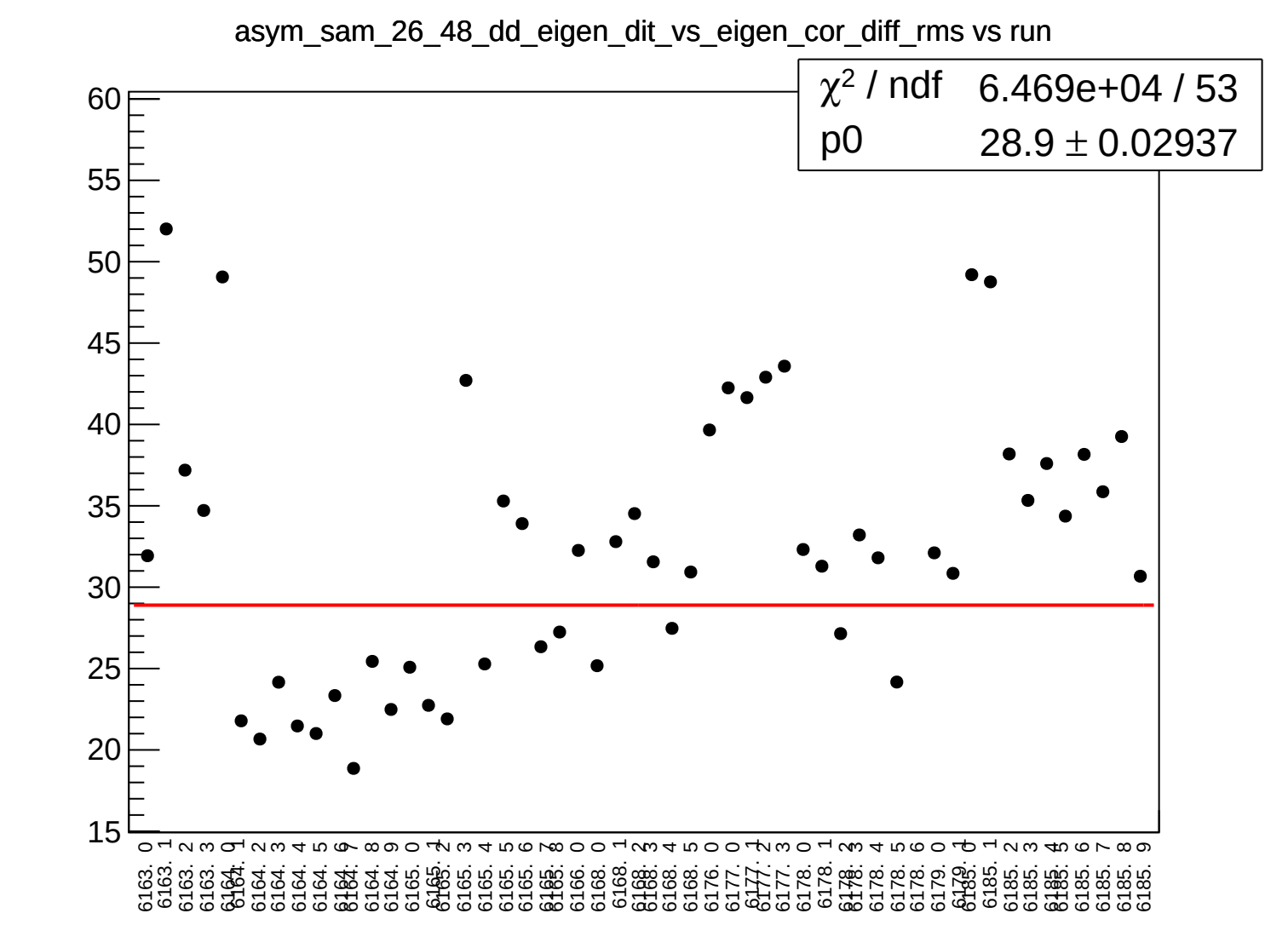

asym_sam_26_48_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 66.27 / 53
p0 −0.03173 ± 0.04153
pull
Entries 54
Mean 57.29
Std Dev 0

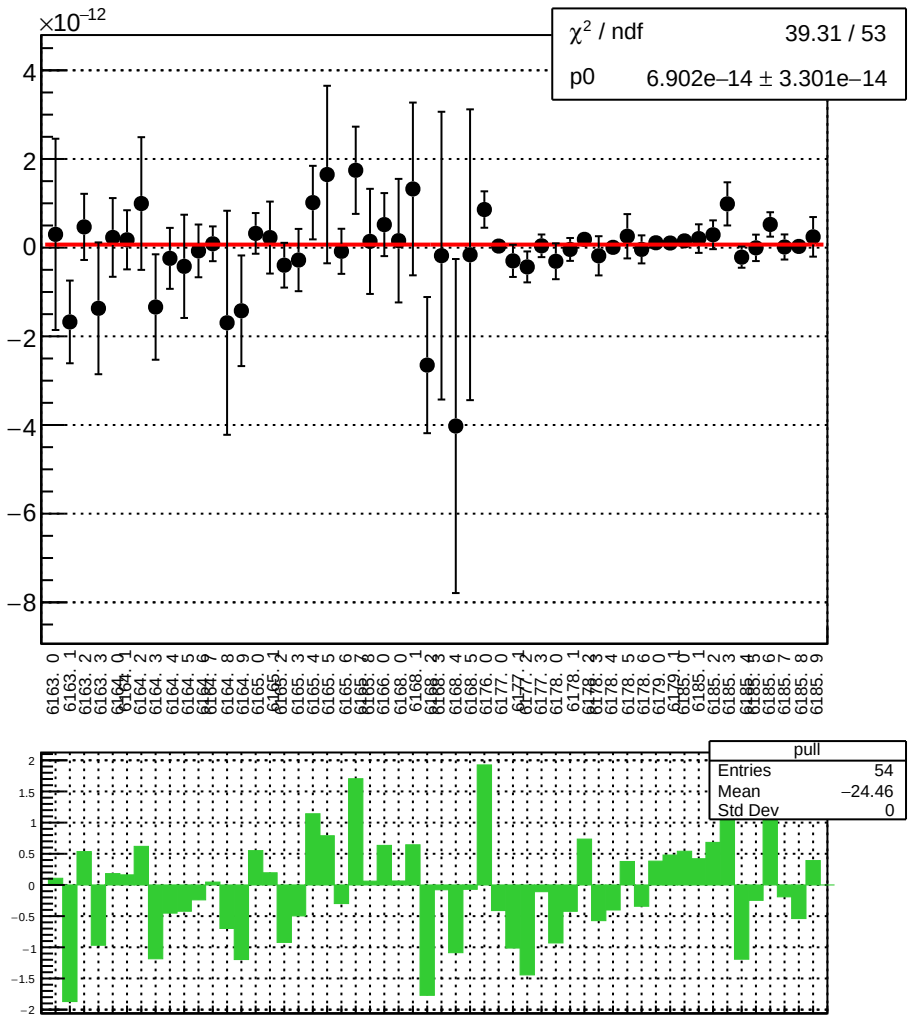

pull1D
Entries 54
Mean −0.09852
Std Dev 1.103

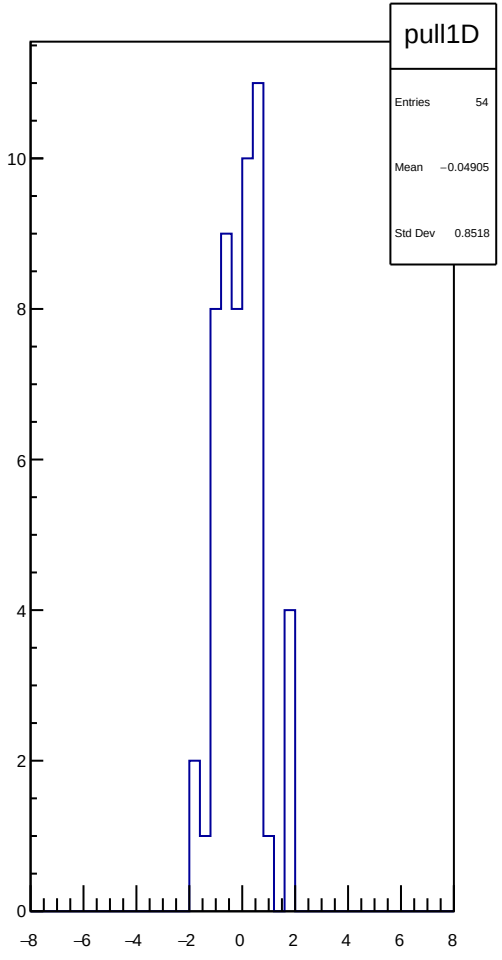

asym_sam_26_48_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 6.469e+04 / 53
p0 28.9 ± 0.02937
60
55
50
45
40
35
30
25
20
15
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

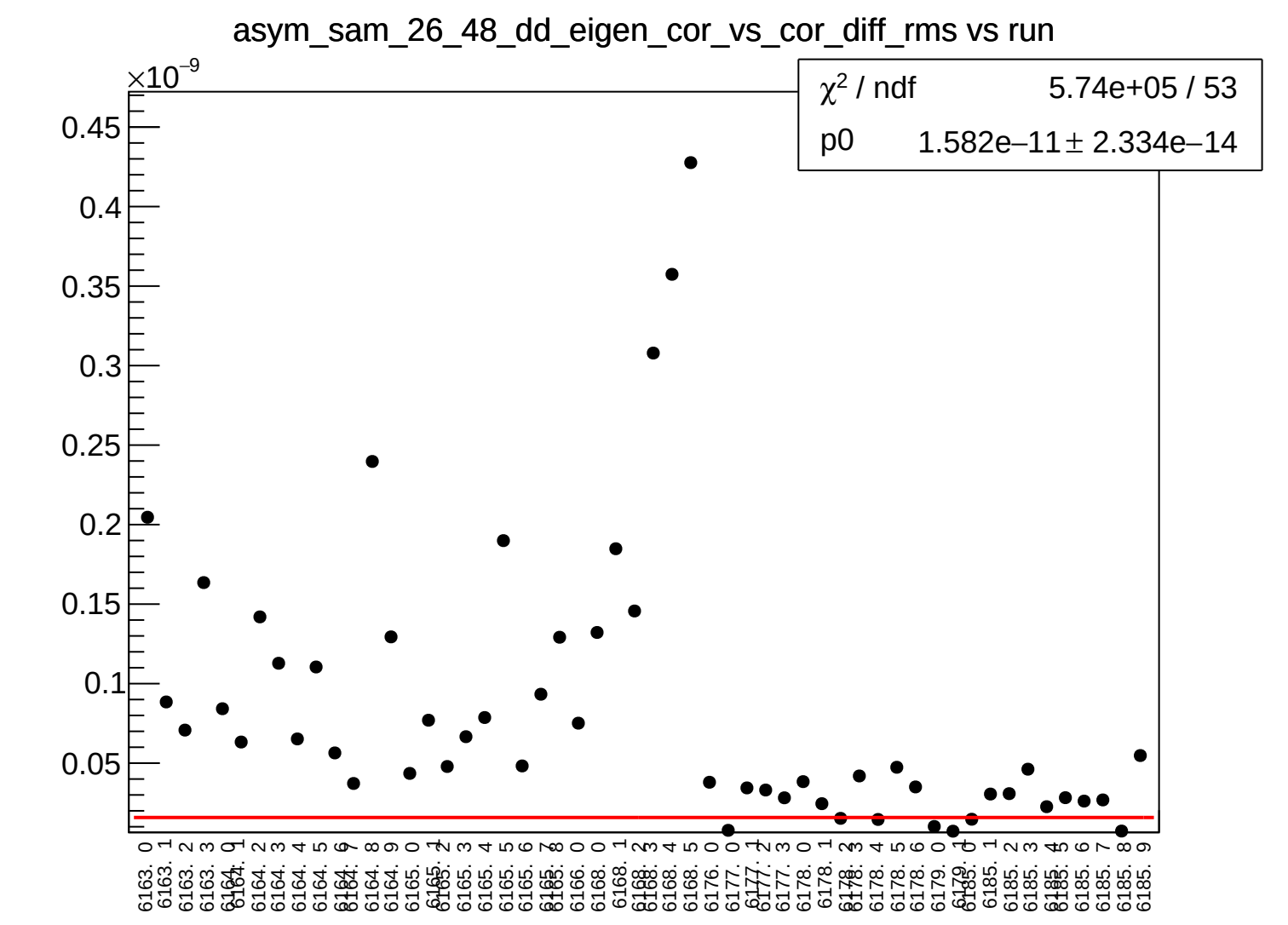

asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 66.27 / 53
p0 −0.03173 ± 0.04153
pull
Entries 54
Mean 57.29
Std Dev 0

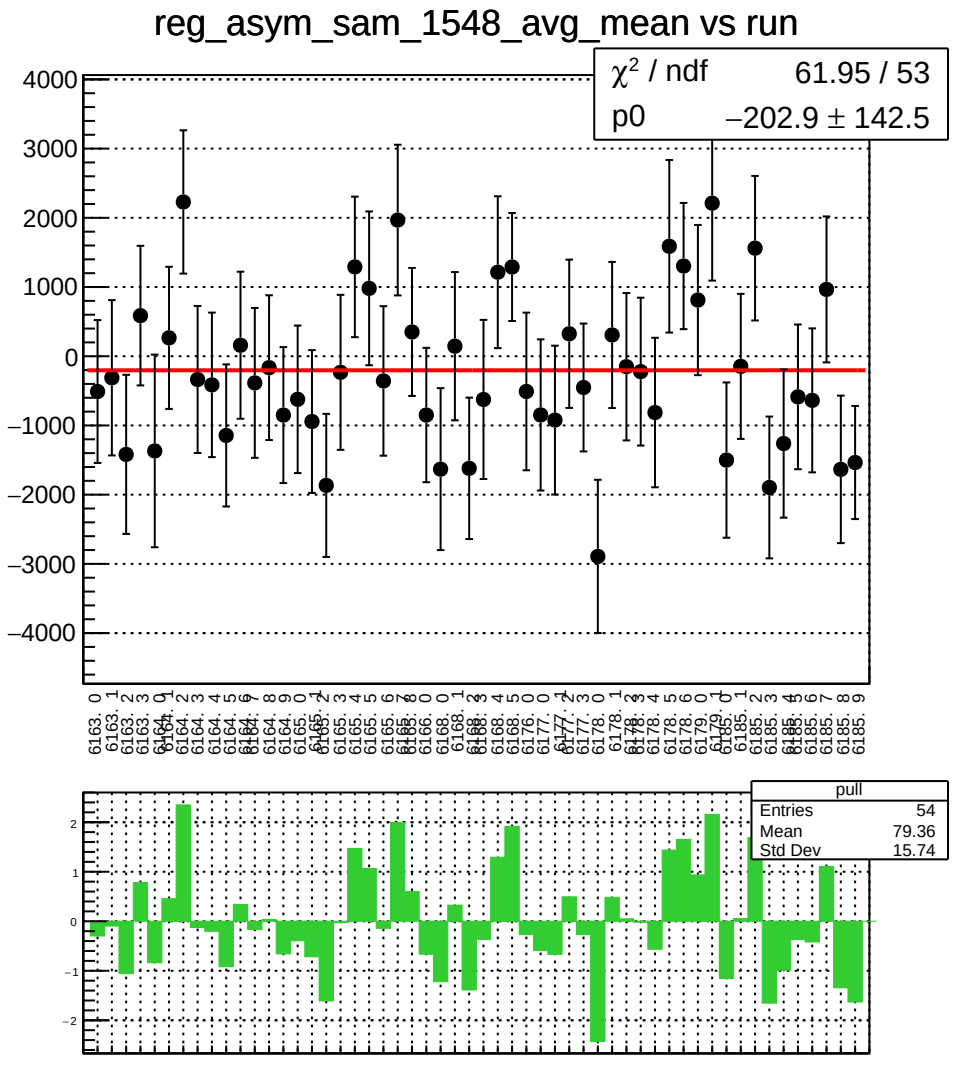

pull1D
Entries 54
Mean −0.09852
Std Dev 1.103

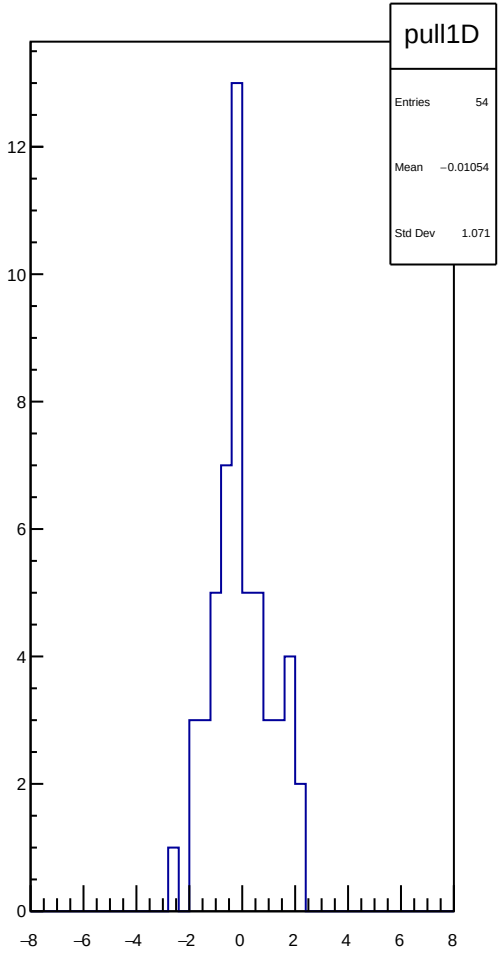

asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.469e+04 / 53
p0 28.9 ± 0.02937
60
55
50
45
40
35
30
25
20
15
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

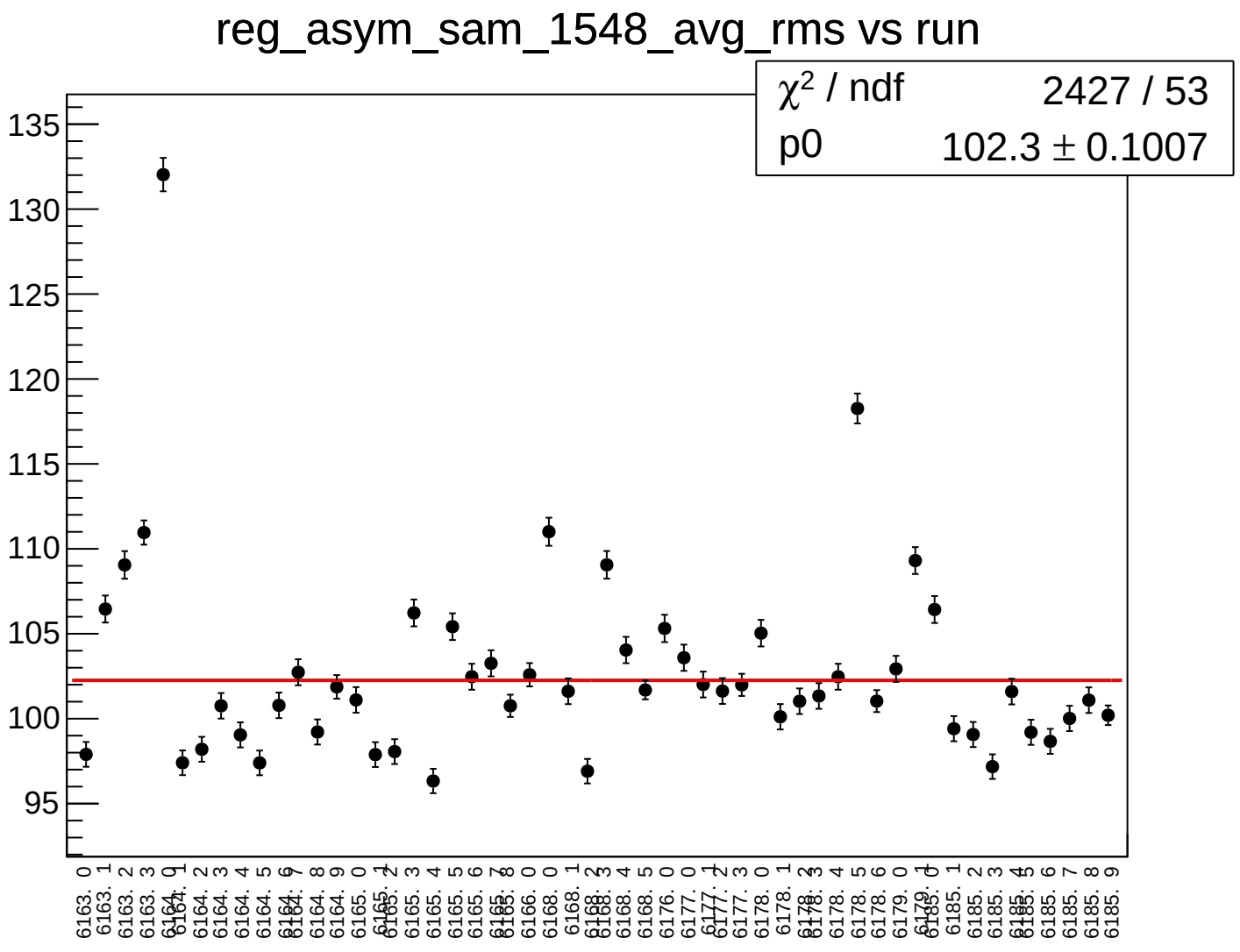

asym_sam_26_48_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 39.31 / 53
p0 6.902e−14 ± 3.301e−14
pull
Entries 54
Mean −24.46
Std Dev 0

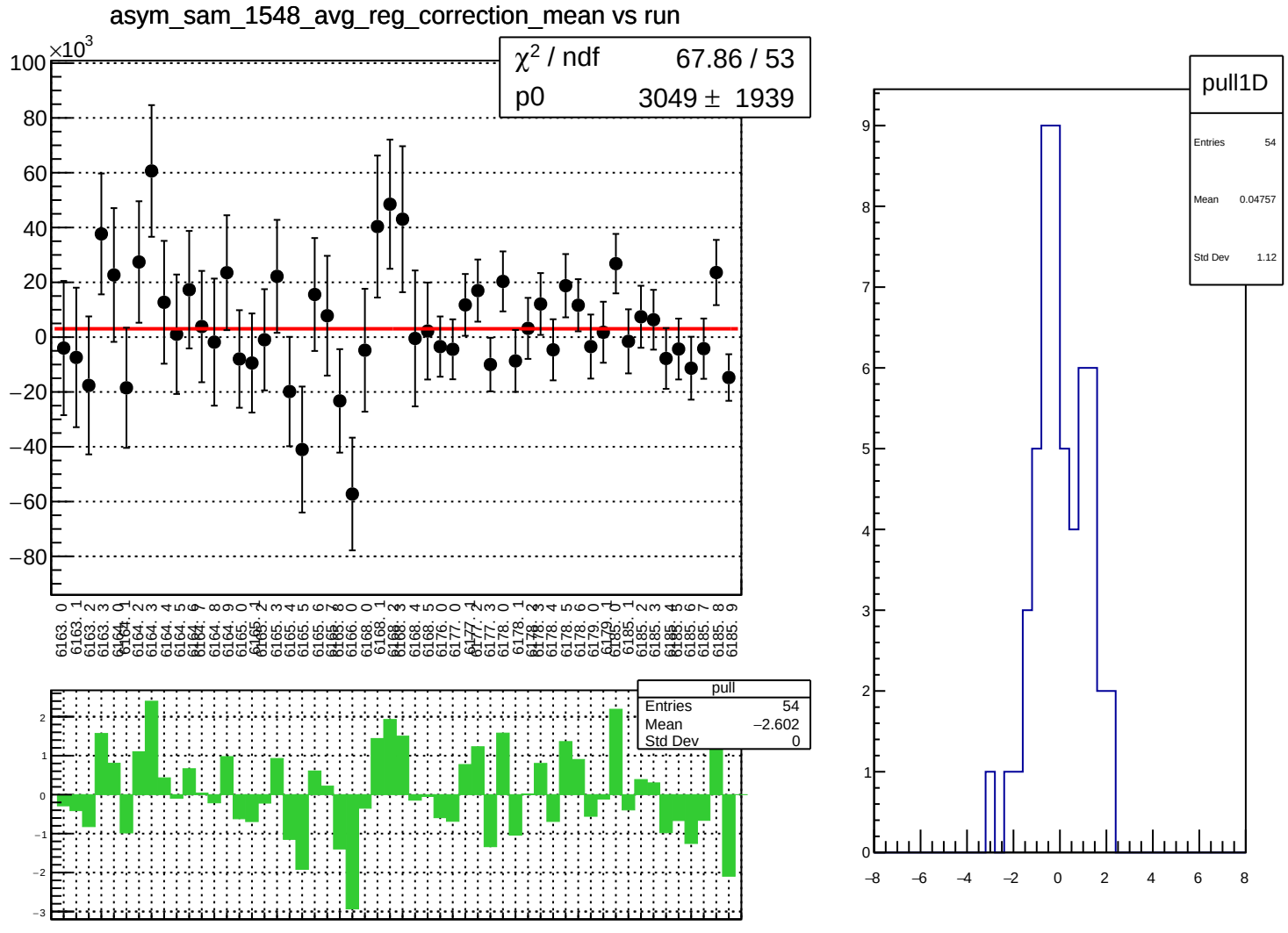

pull1D
Entries 54
Mean −0.04905
Std Dev 0.8518

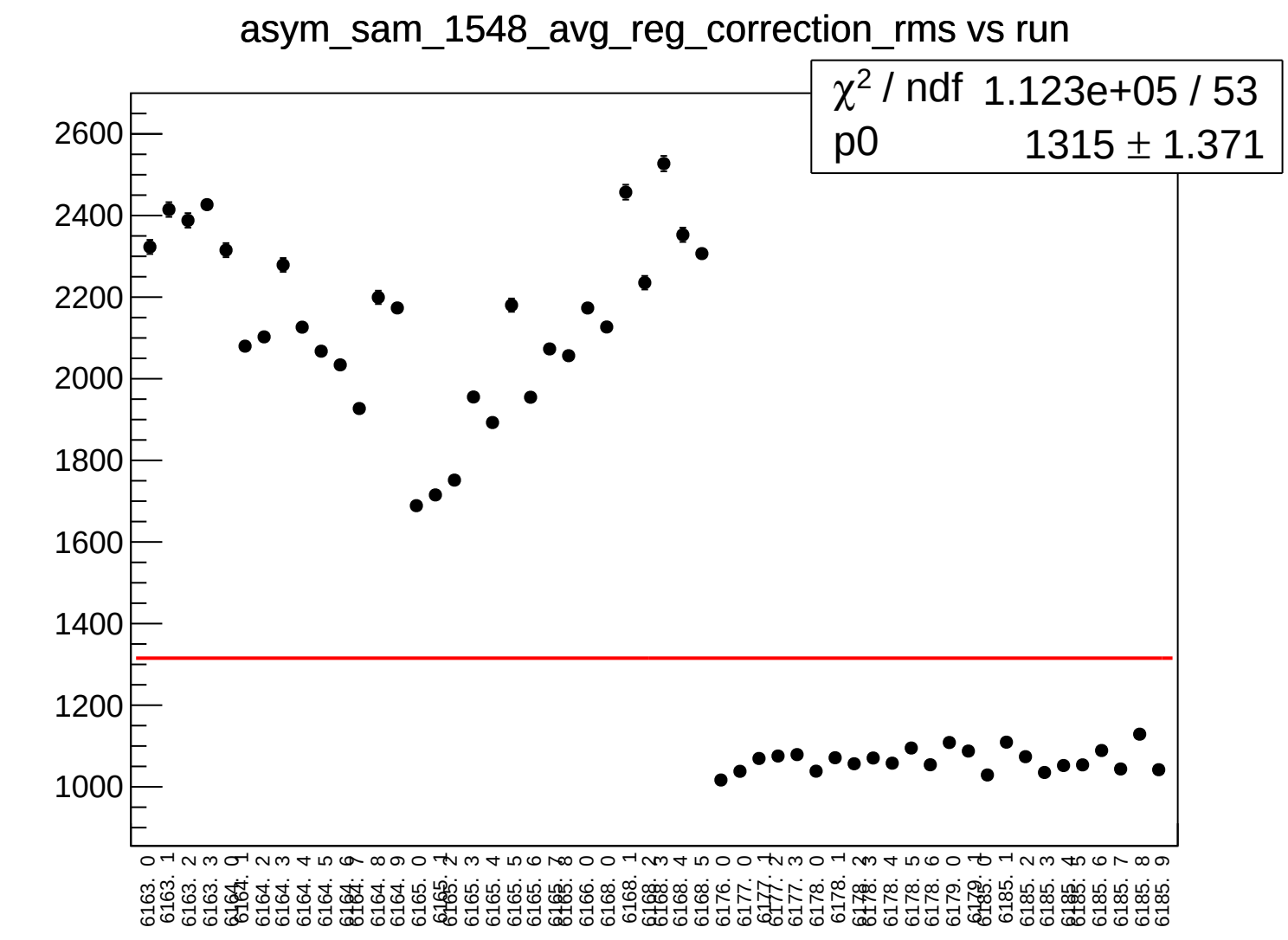

asym_sam_26_48_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.74e+05 / 53
p0 1.582e−11 ± 2.334e−14
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

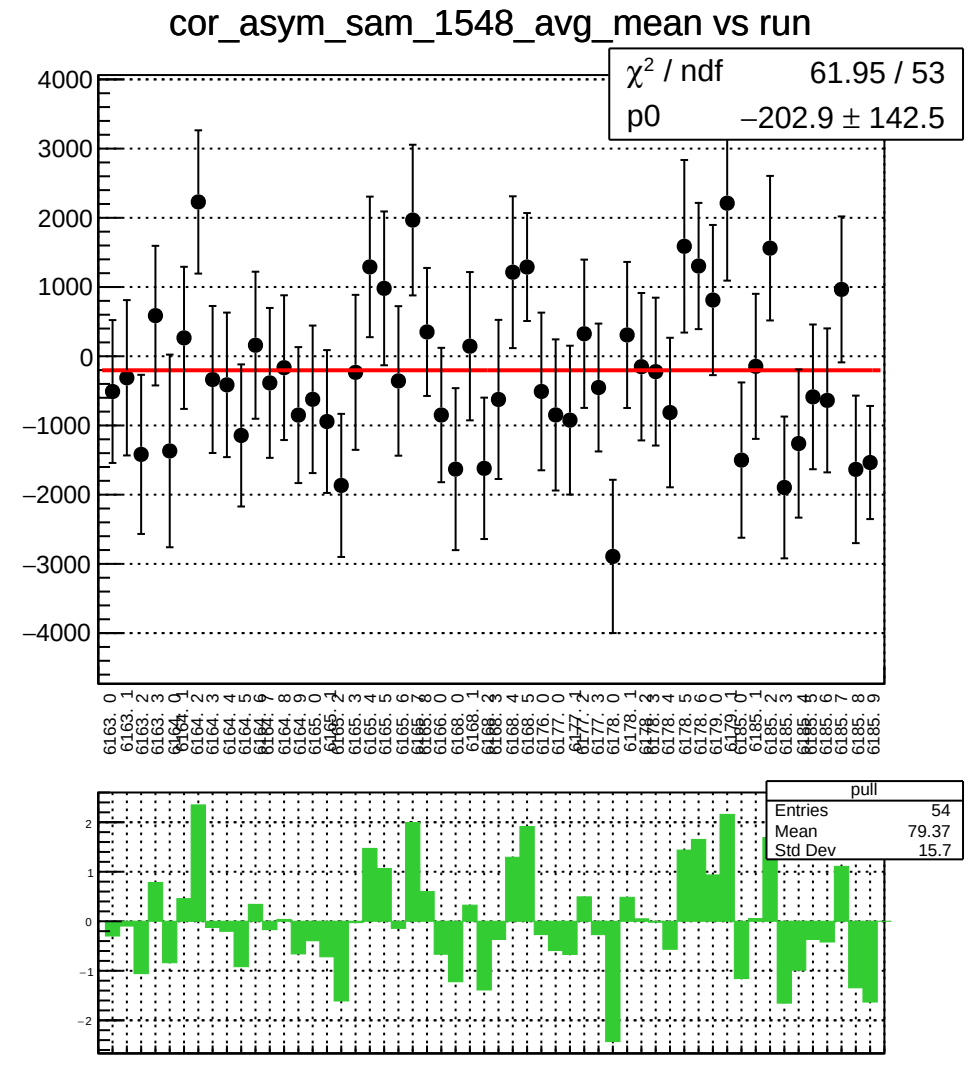

reg_asym_sam_1548_avg_mean vs run
χ² / ndf 61.95 / 53
p0 −202.9 ± 142.5
pull
Entries 54
Mean 79.36
Std Dev 15.74

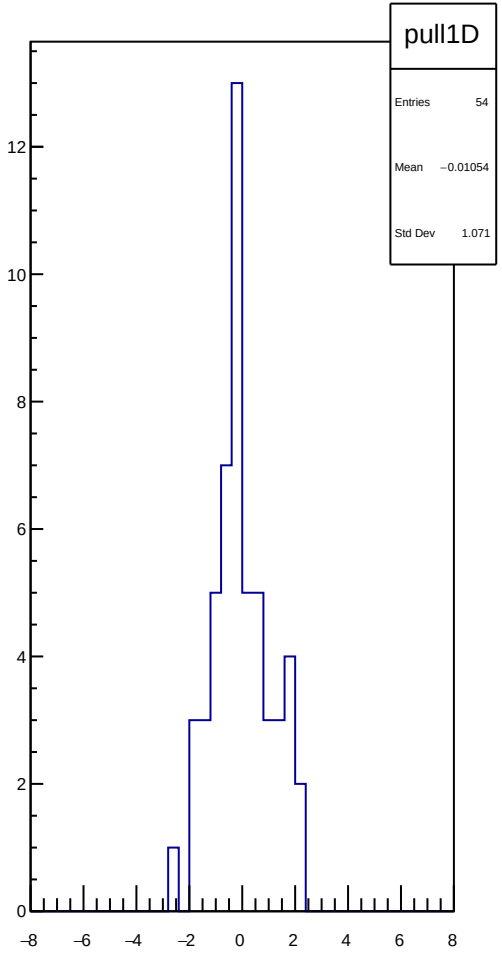

pull1D
Entries 54
Mean −0.01054
Std Dev 1.071

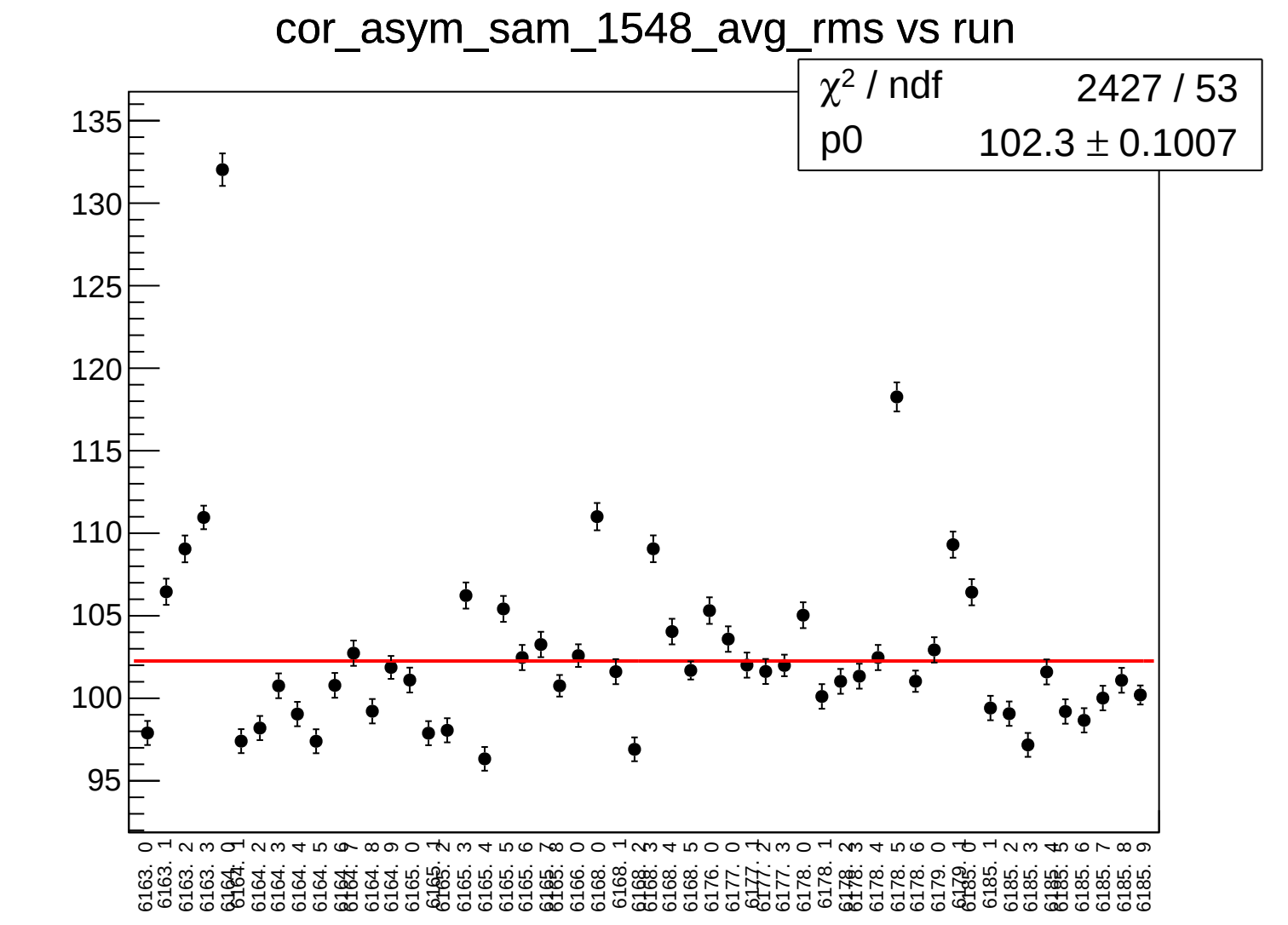

reg_asym_sam_1548_avg_rms vs run
χ² / ndf 2427 / 53
p0 102.3 ± 0.1007
135
130
125
120
115
110
105
100
95
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

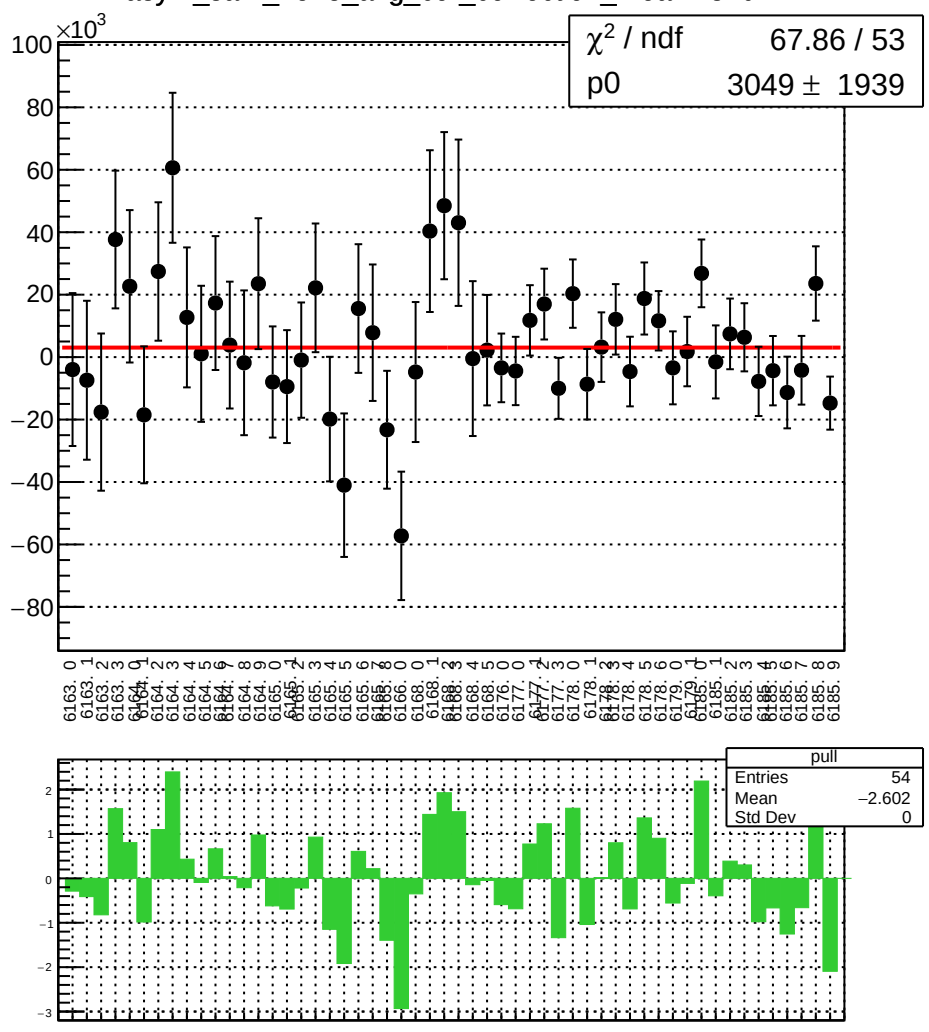

asym_sam_1548_avg_reg_correction_mean vs run
χ² / ndf 67.86 / 53
p0 3049 ± 1939
×10³
pull
Entries 54
Mean −2.602
Std Dev 0
pull1D
Entries 54
Mean 0.04757
Std Dev 1.12

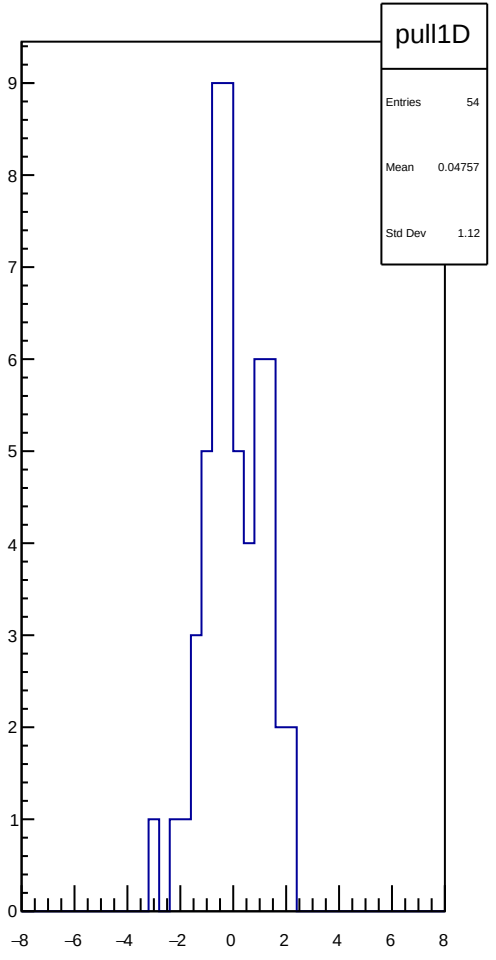

asym_sam_1548_avg_reg_correction_rms vs run
χ² / ndf 1.123e+05 / 53
p0 1315 ± 1.371
2600
2400
2200
2000
1800
1600
1400
1200
1000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

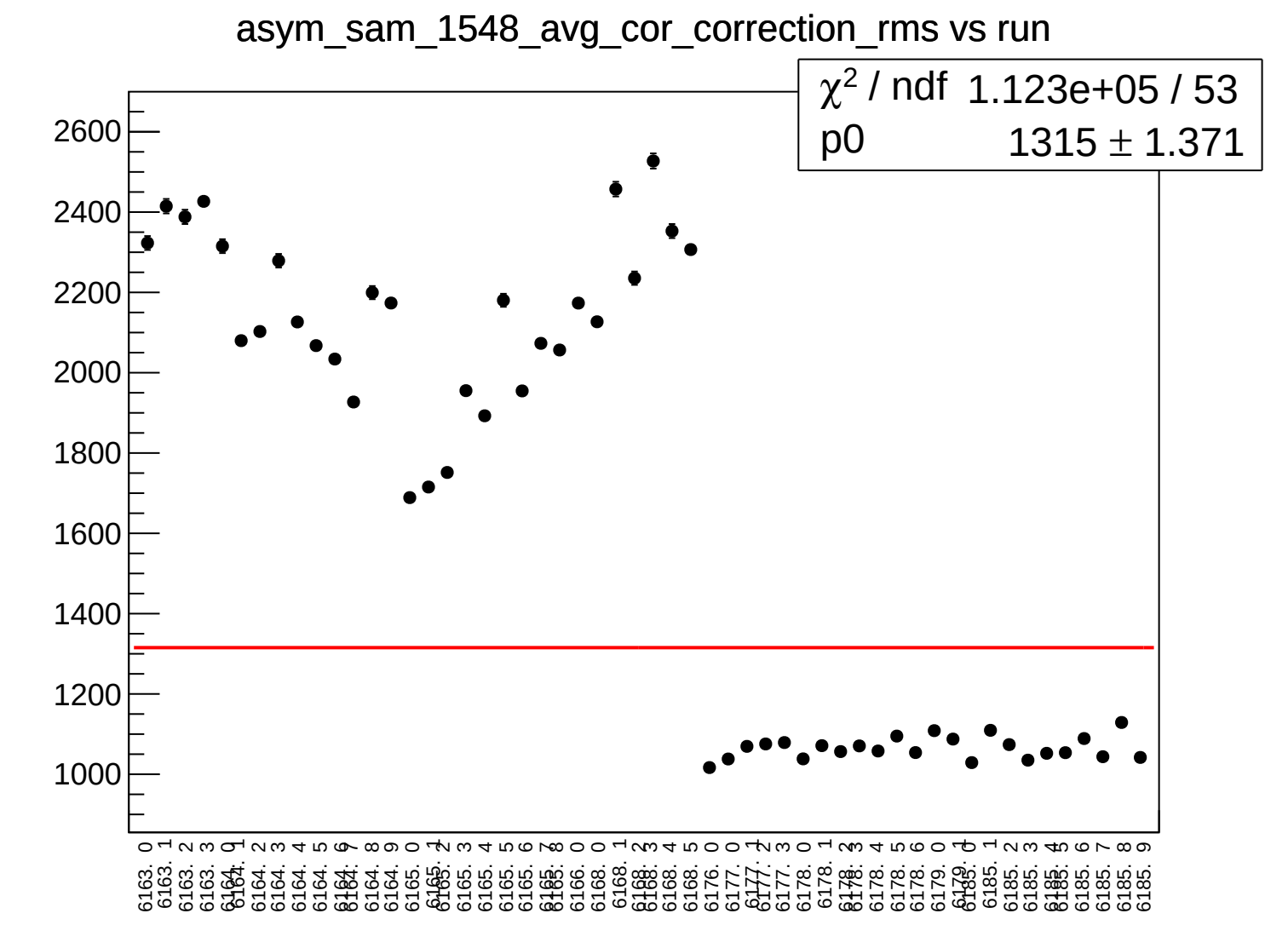

cor_asym_sam_1548_avg_mean vs run
χ² / ndf 61.95 / 53
p0 −202.9 ± 142.5
pull
Entries 54
Mean 79.37
Std Dev 15.7

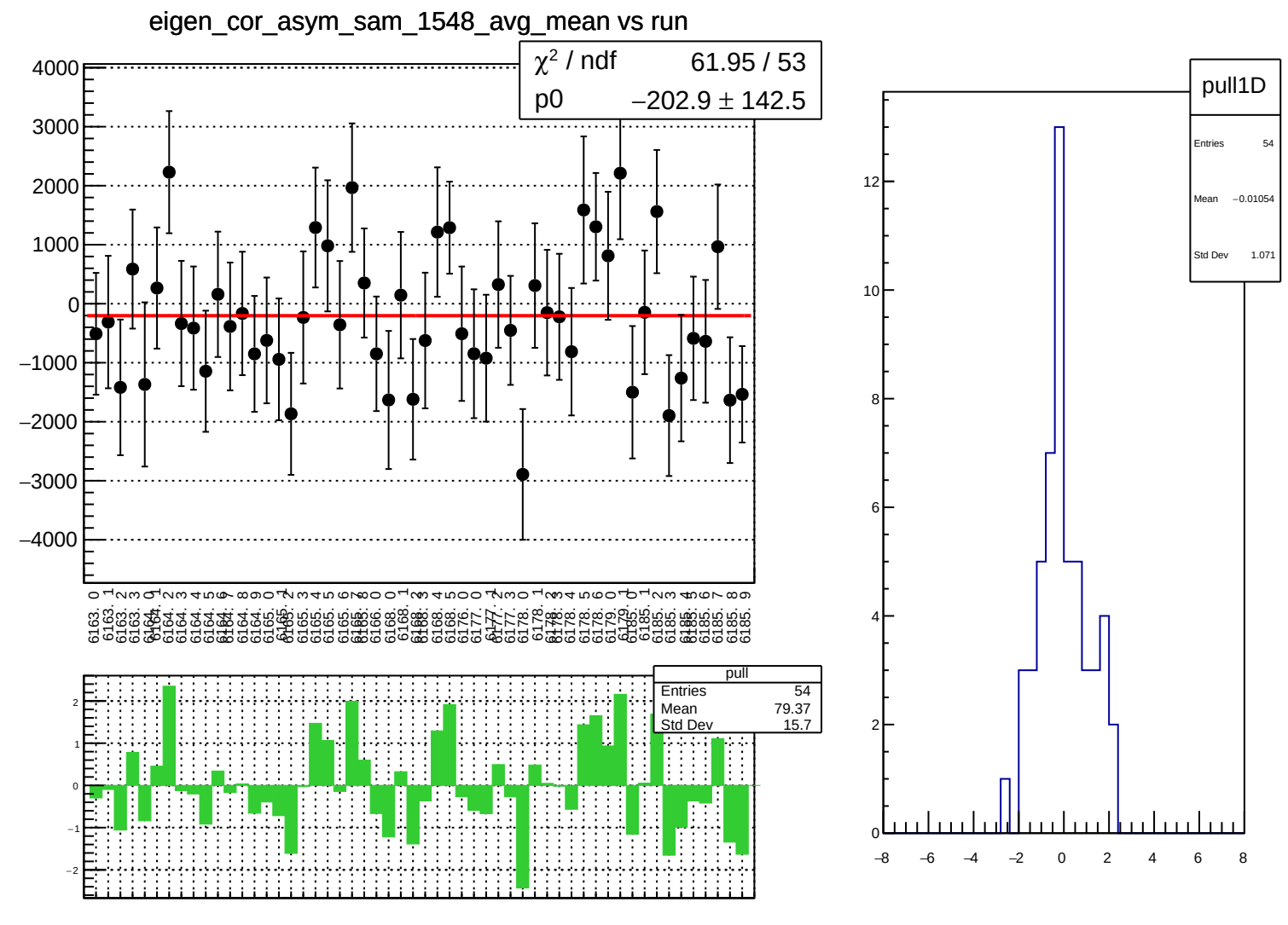

pull1D
Entries 54
Mean −0.01054
Std Dev 1.071

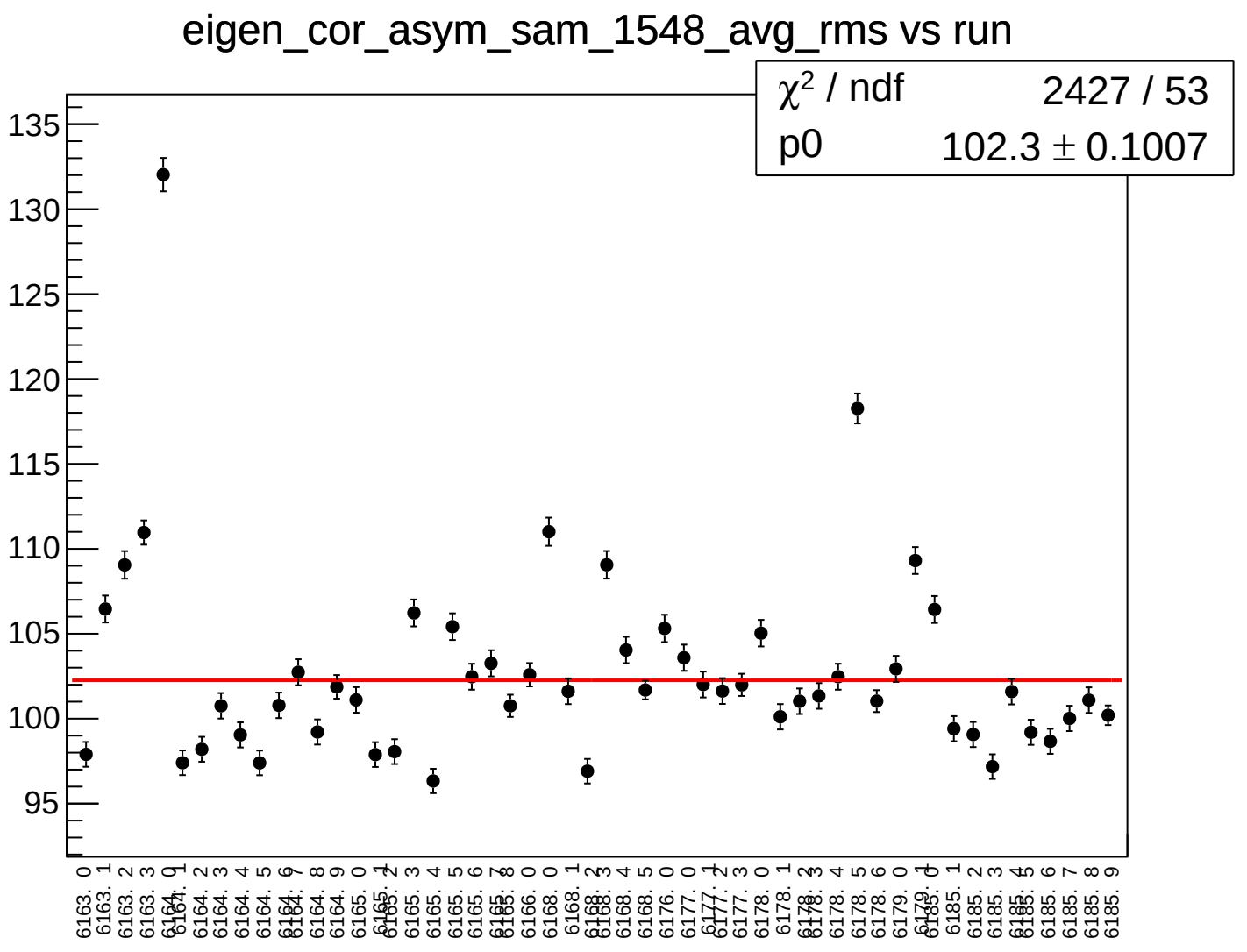

cor_asym_sam_1548_avg_rms vs run
χ² / ndf 2427 / 53
p0 102.3 ± 0.1007
135
130
125
120
115
110
105
100
95
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

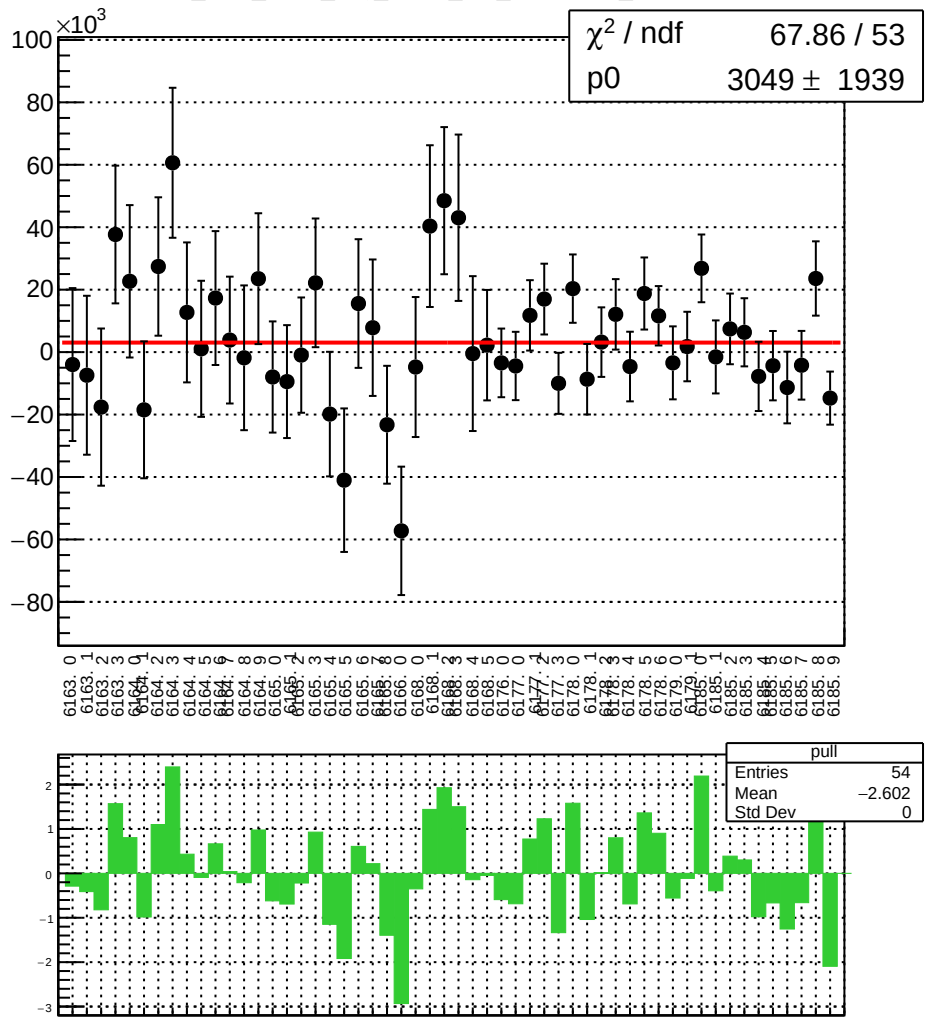

asym_sam_1548_avg_cor_correction_mean vs run
×10^3
χ² / ndf 67.86 / 53
p0 3049 ± 1939
pull
Entries 54
Mean −2.602
Std Dev 0

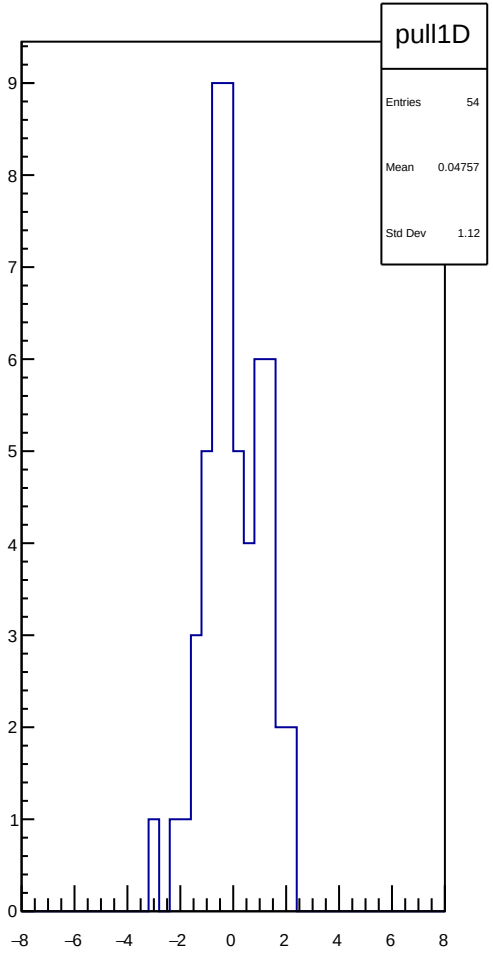

pull1D
Entries 54
Mean 0.04757
Std Dev 1.12

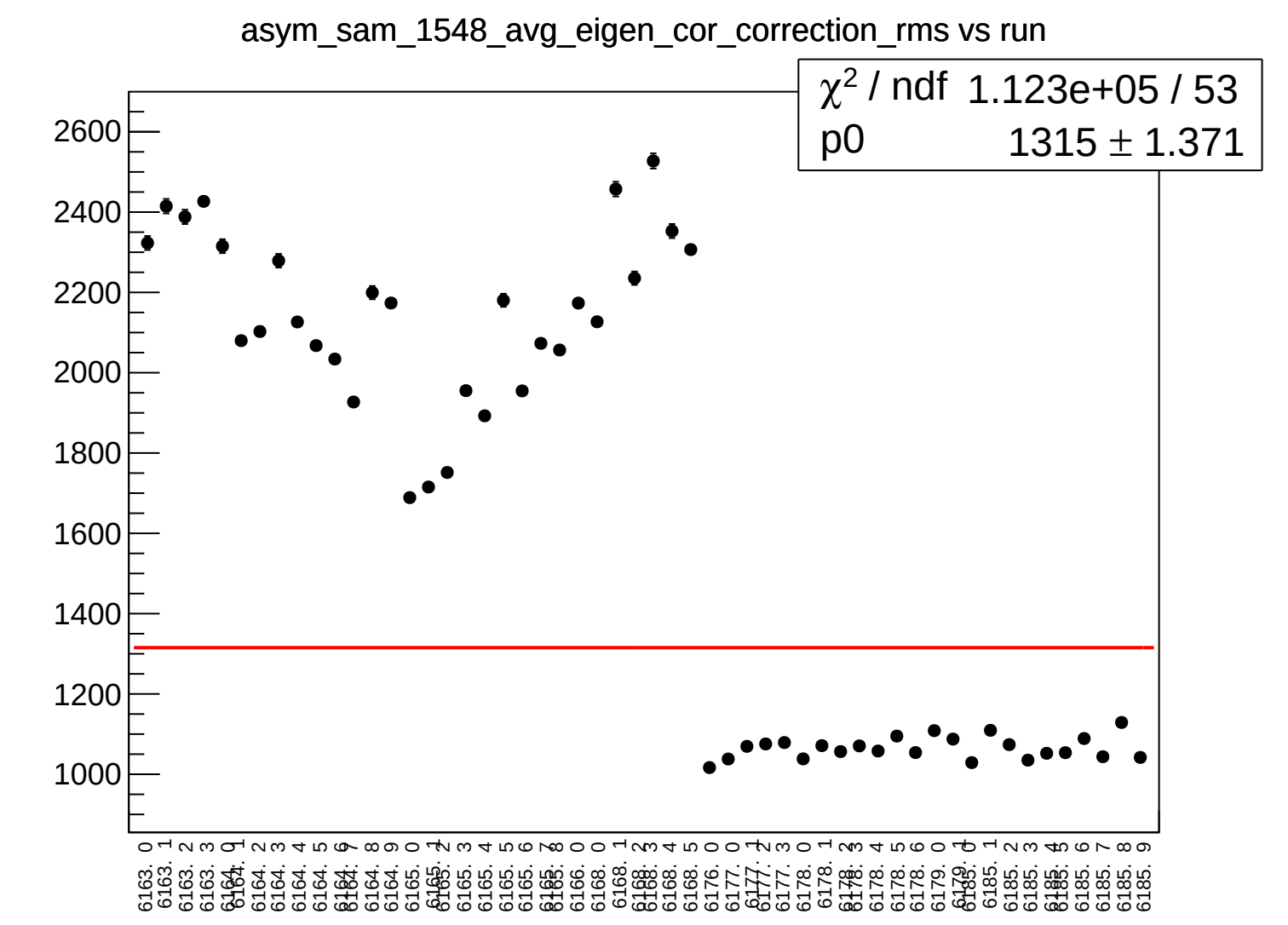

asym_sam_1548_avg_cor_correction_rms vs run
χ² / ndf 1.123e+05 / 53
p0 1315 ± 1.371
2600
2400
2200
2000
1800
1600
1400
1200
1000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

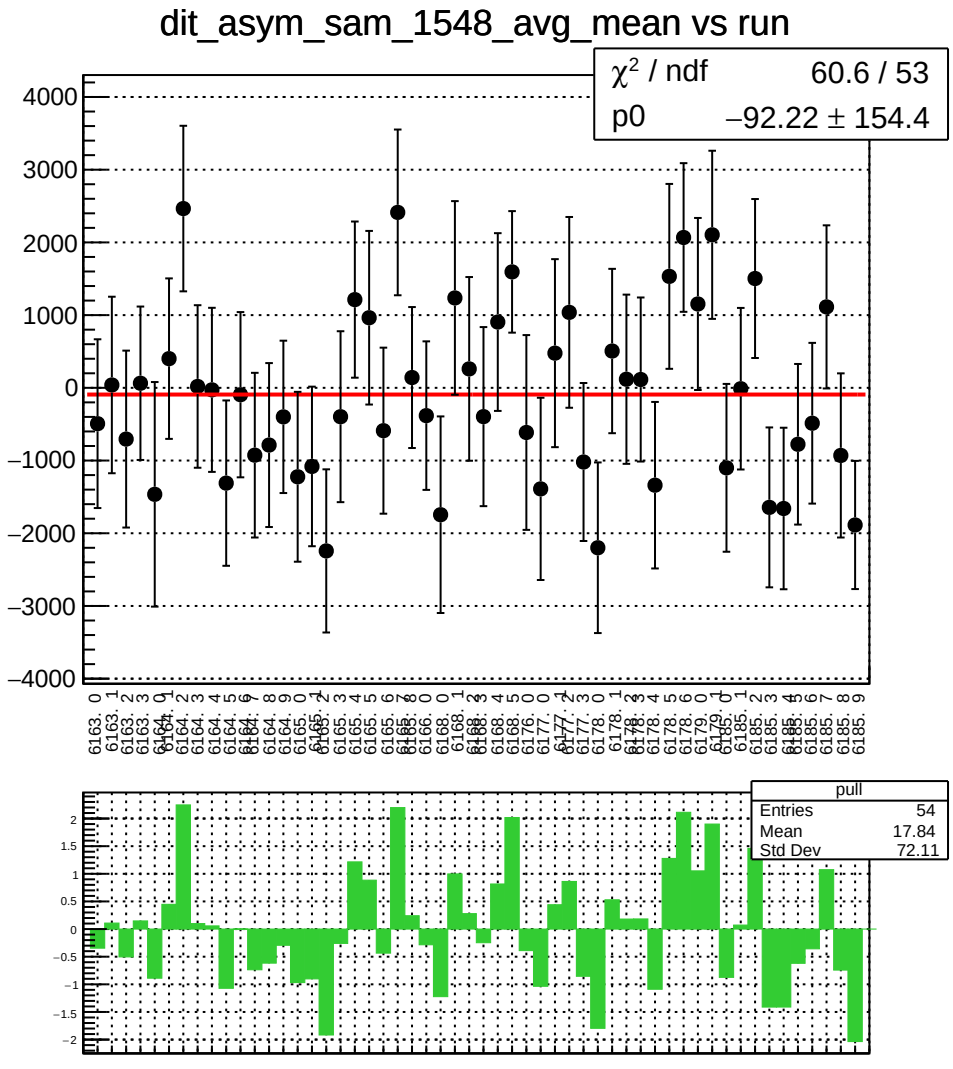

eigen_cor_asym_sam_1548_avg_mean vs run
χ² / ndf 61.95 / 53
p0 −202.9 ± 142.5
pull
Entries 54
Mean 79.37
Std Dev 15.7
pull1D
Entries 54
Mean −0.01054
Std Dev 1.071

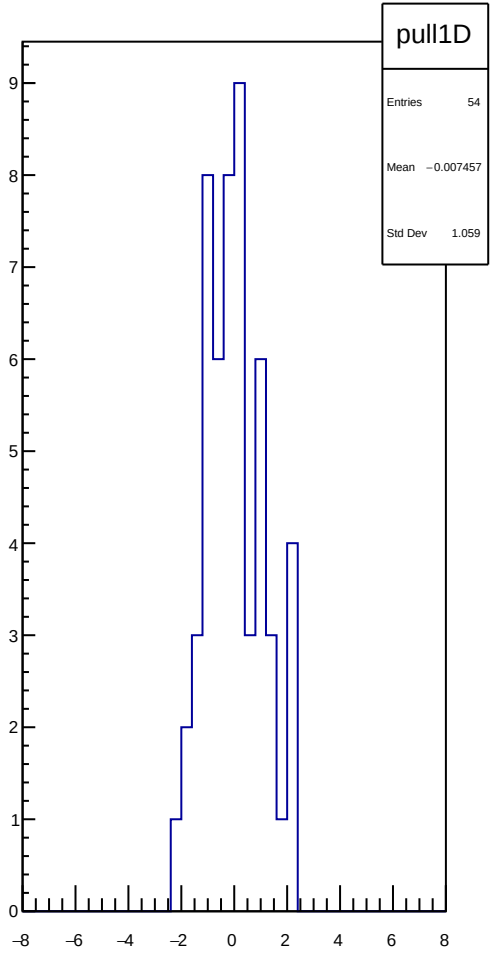

eigen_cor_asym_sam_1548_avg_rms vs run
χ² / ndf 2427 / 53
p0 102.3 ± 0.1007
135
130
125
120
115
110
105
100
95
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

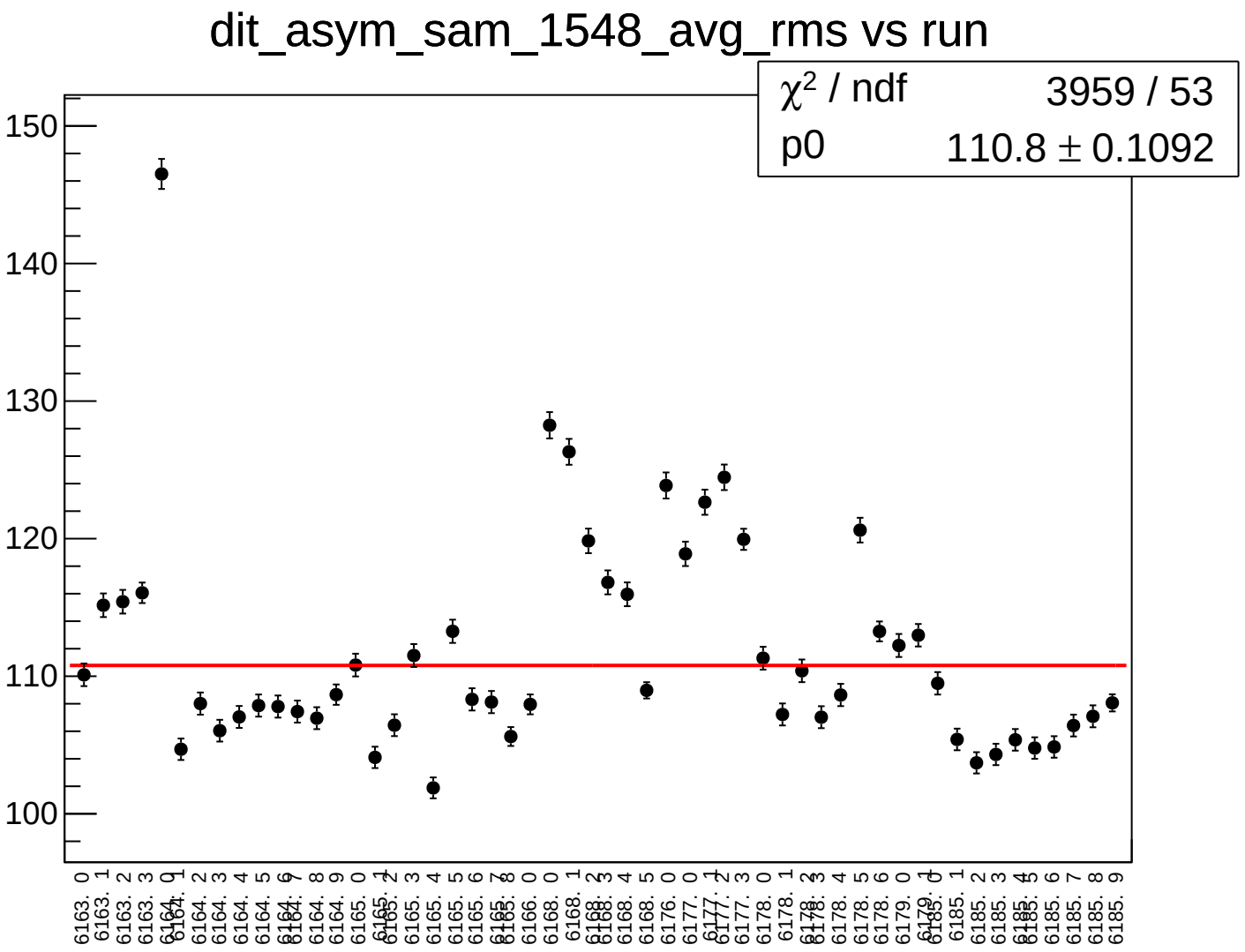

asym_sam_1548_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 67.86 / 53
p0 3049 ± 1939
pull
Entries 54
Mean −2.602
Std Dev 0

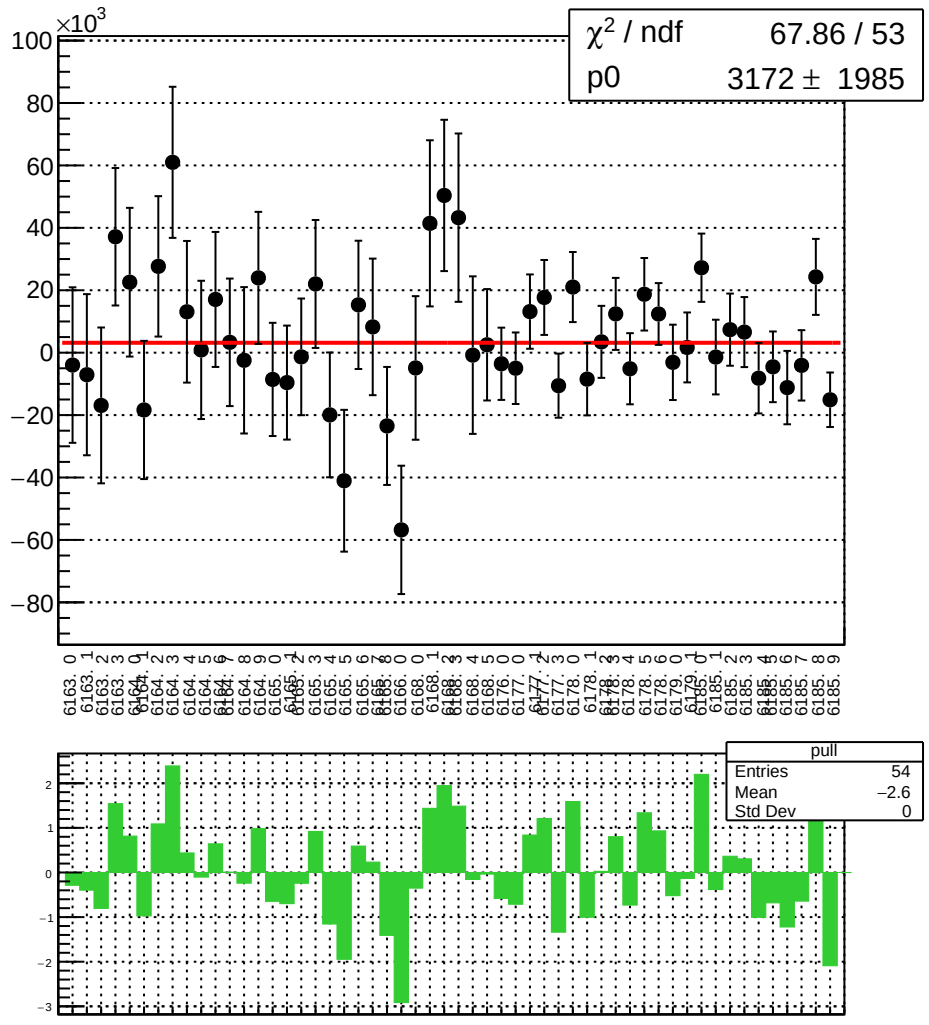

pull1D
Entries 54
Mean 0.04757
Std Dev 1.12

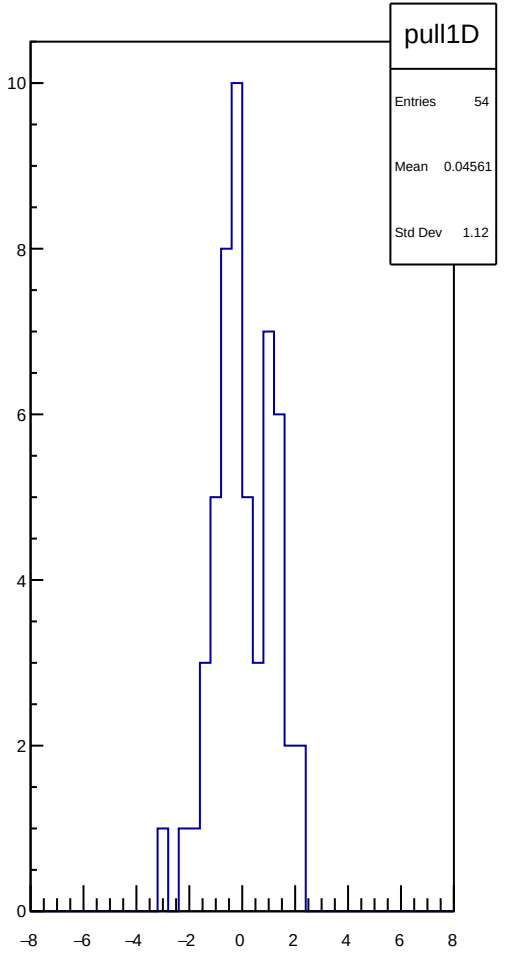

asym_sam_1548_avg_eigen_cor_correction_rms vs run
χ² / ndf 1.123e+05 / 53
p0 1315 ± 1.371
2600
2400
2200
2000
1800
1600
1400
1200
1000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

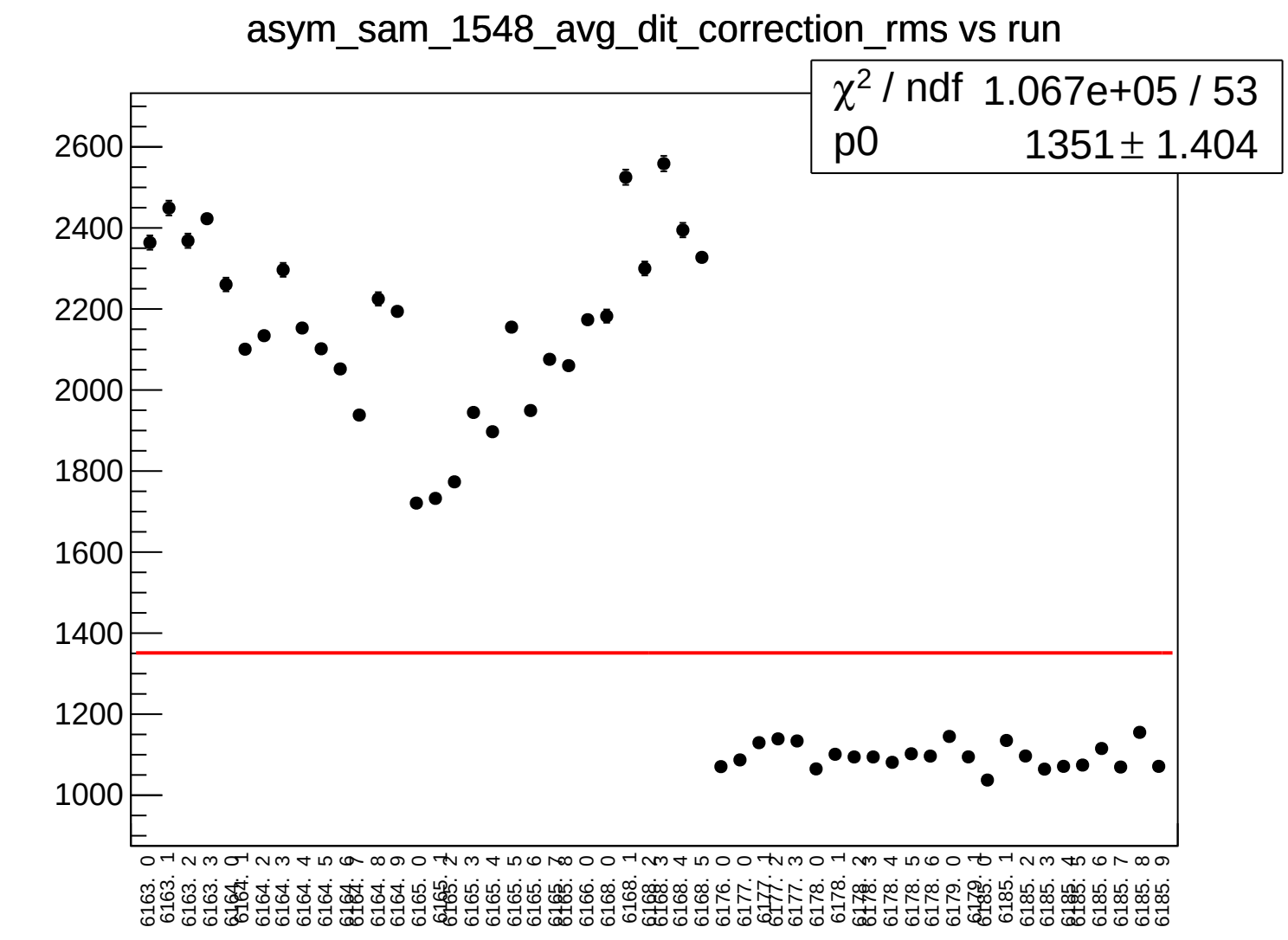

dit_asym_sam_1548_avg_mean vs run
χ² / ndf 60.6 / 53
p0 −92.22 ± 154.4
pull
Entries 54
Mean 17.84
Std Dev 72.11

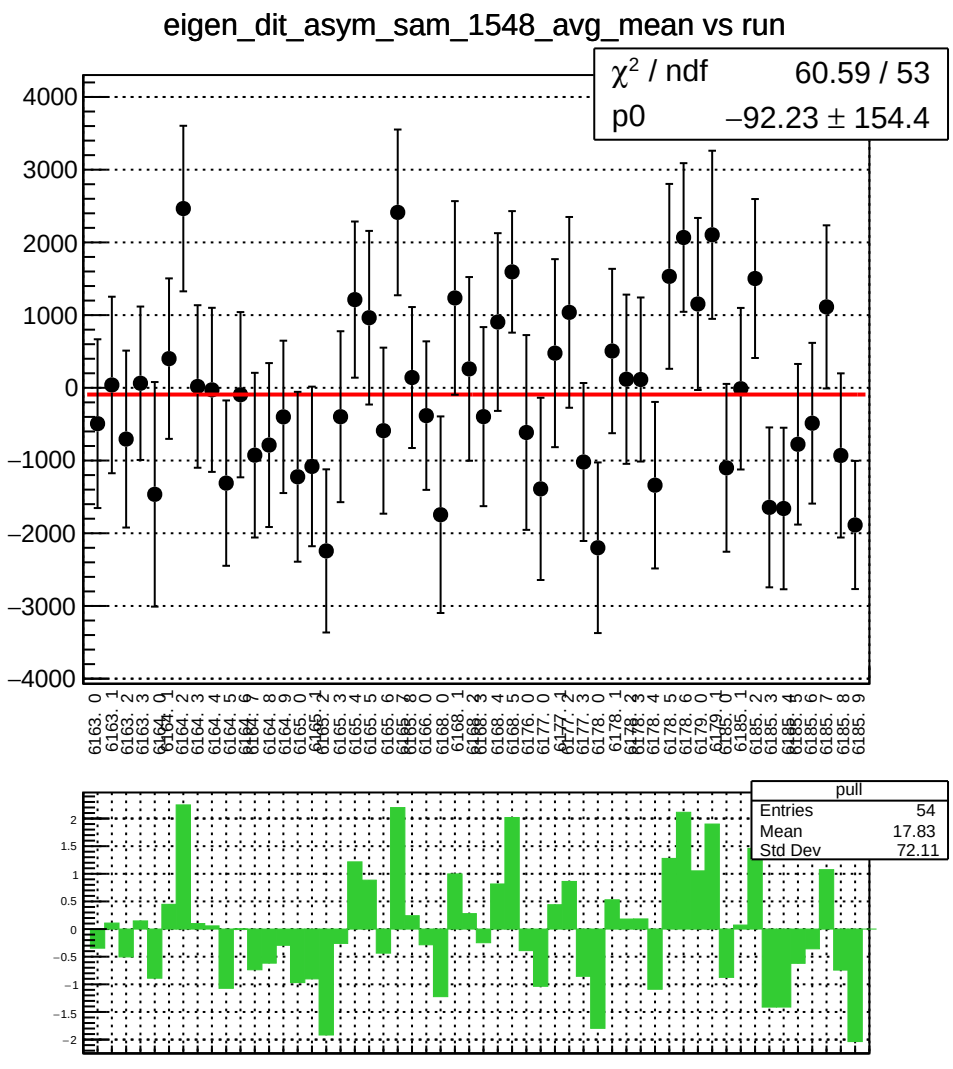

pull1D
Entries 54
Mean −0.007457
Std Dev 1.059

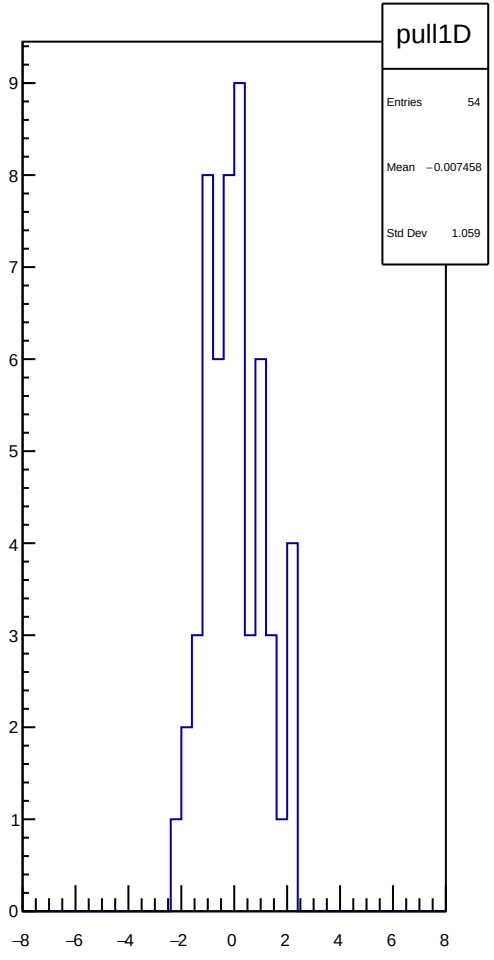

dit_asym_sam_1548_avg_rms vs run
χ² / ndf 3959 / 53
p0 110.8 ± 0.1092
150
140
130
120
110
100
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

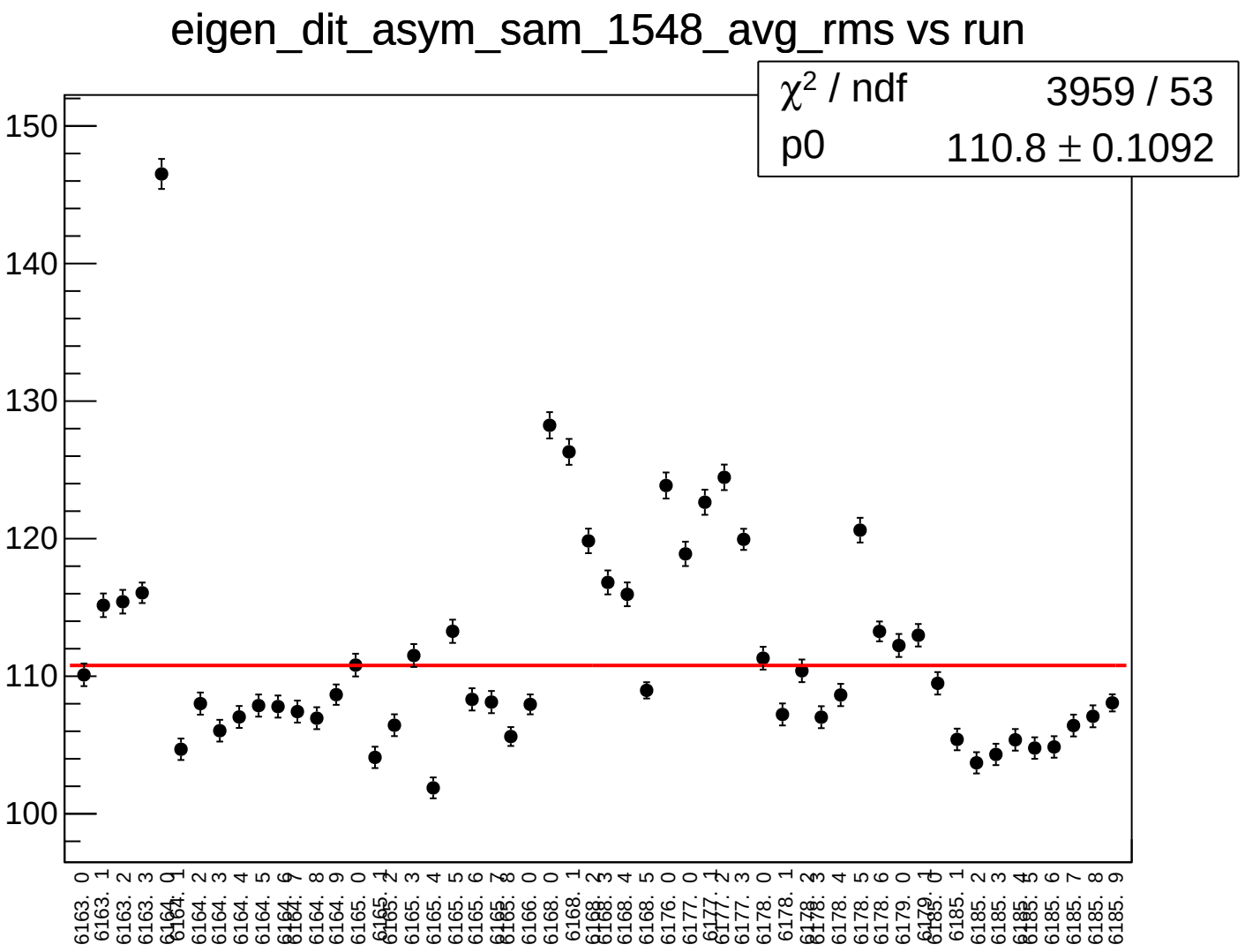

asym_sam_1548_avg_dit_correction_mean vs run
×10^3
χ² / ndf 67.86 / 53
p0 3172 ± 1985
pull
Entries 54
Mean −2.6
Std Dev 0

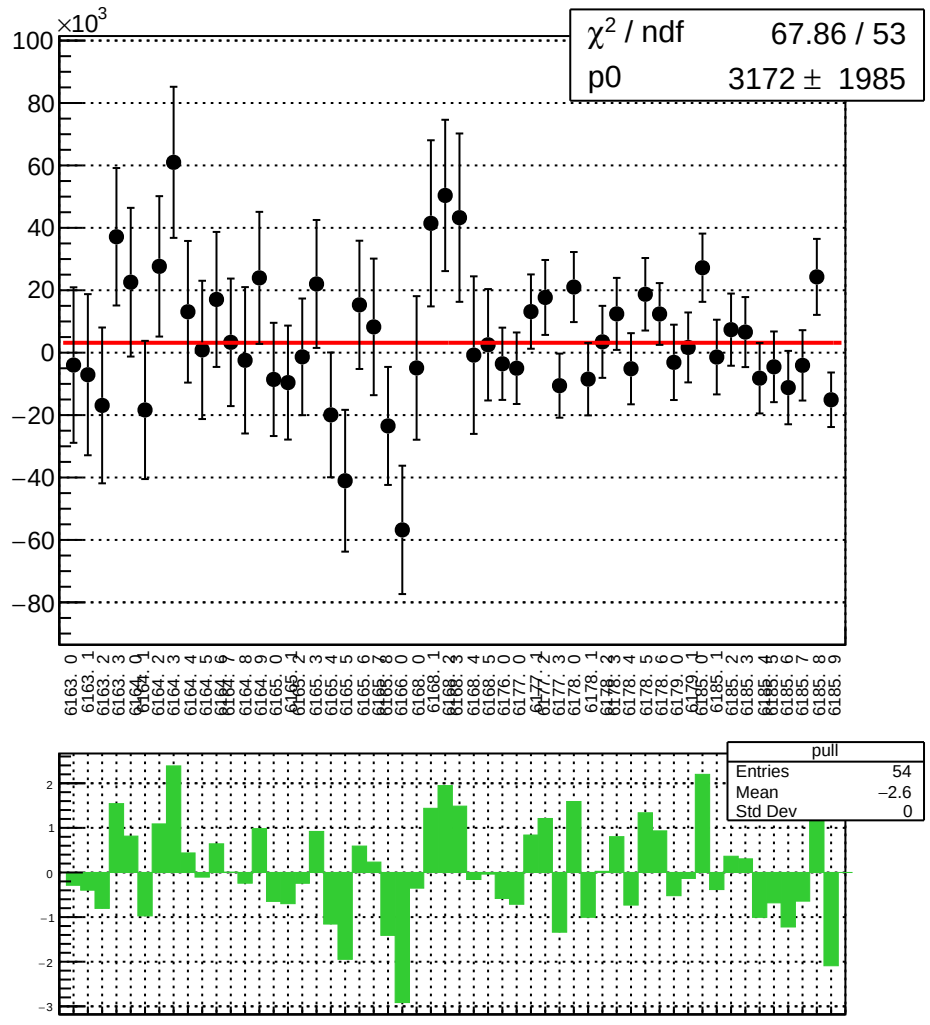

pull1D
Entries 54
Mean 0.04561
Std Dev 1.12

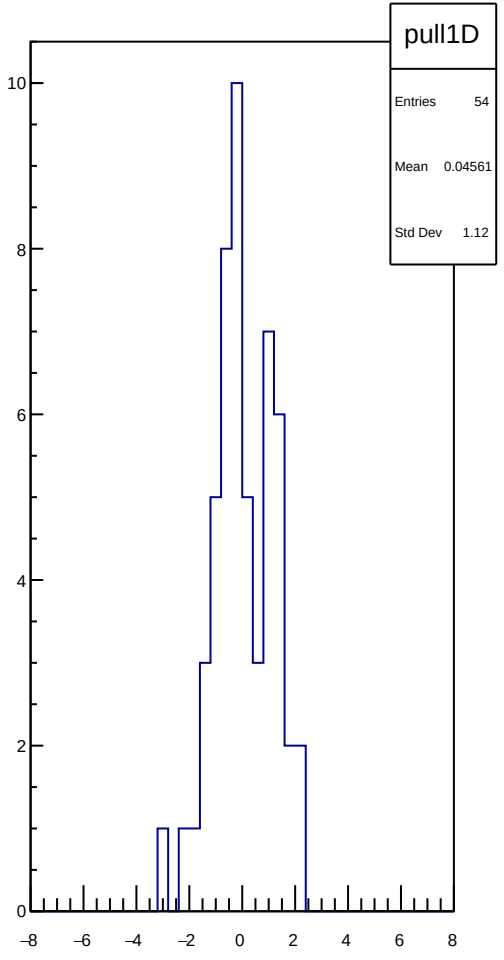

asym_sam_1548_avg_dit_correction_rms vs run
χ² / ndf 1.067e+05 / 53
p0 1351 ± 1.404
2600
2400
2200
2000
1800
1600
1400
1200
1000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

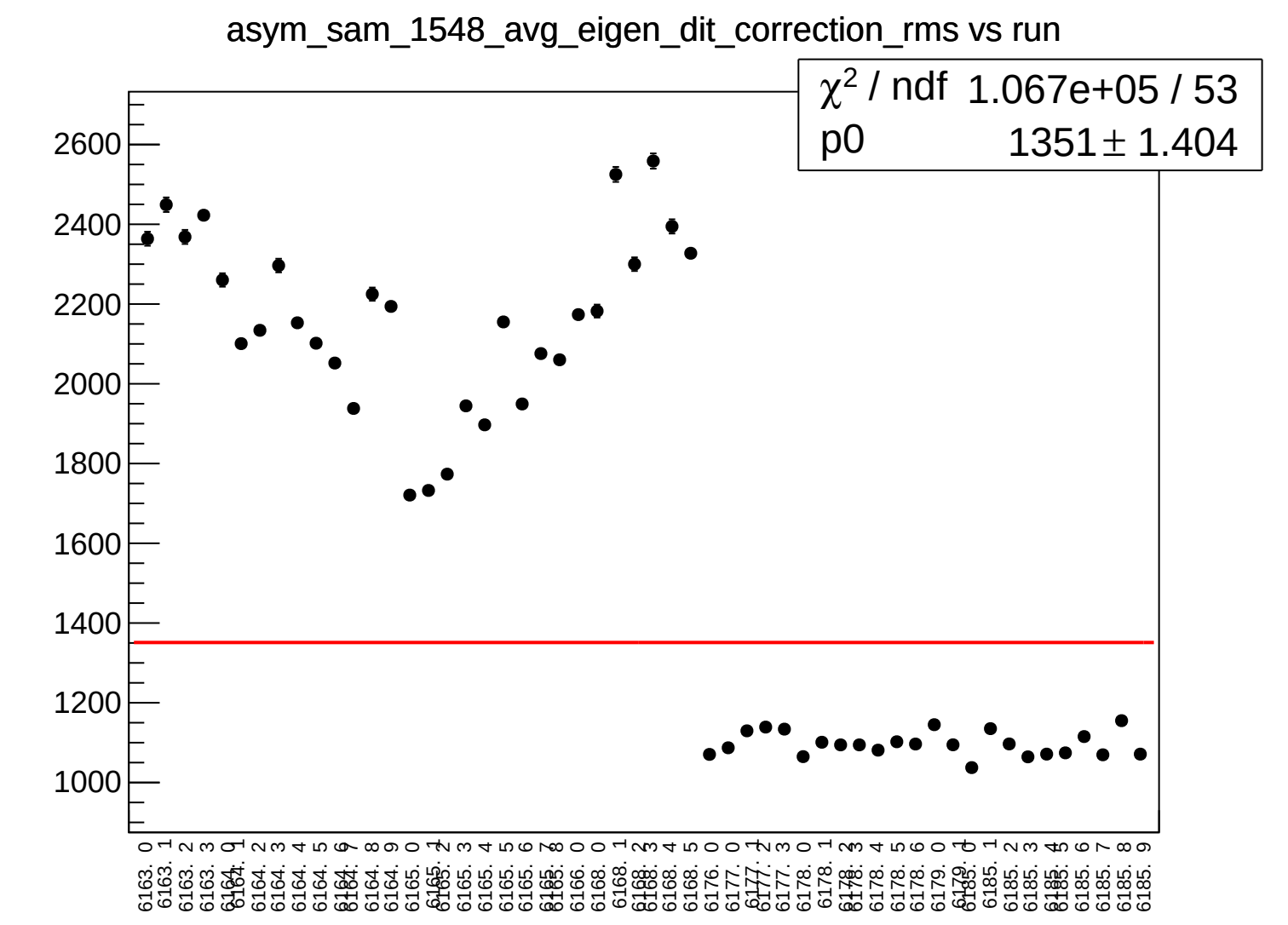

eigen_dit_asym_sam_1548_avg_mean vs run
χ² / ndf 60.59 / 53
p0 −92.23 ± 154.4
pull
Entries 54
Mean 17.83
Std Dev 72.11

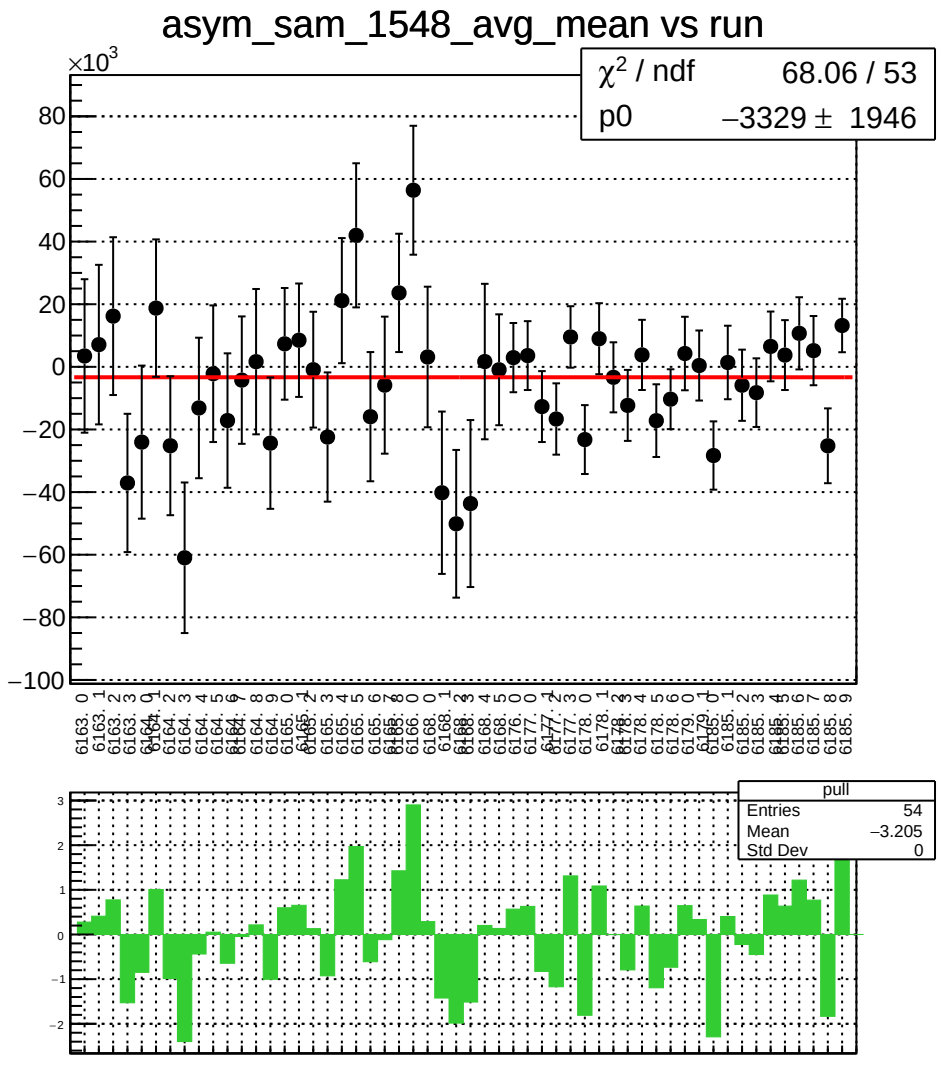

pull1D
Entries 54
Mean −0.007458
Std Dev 1.059

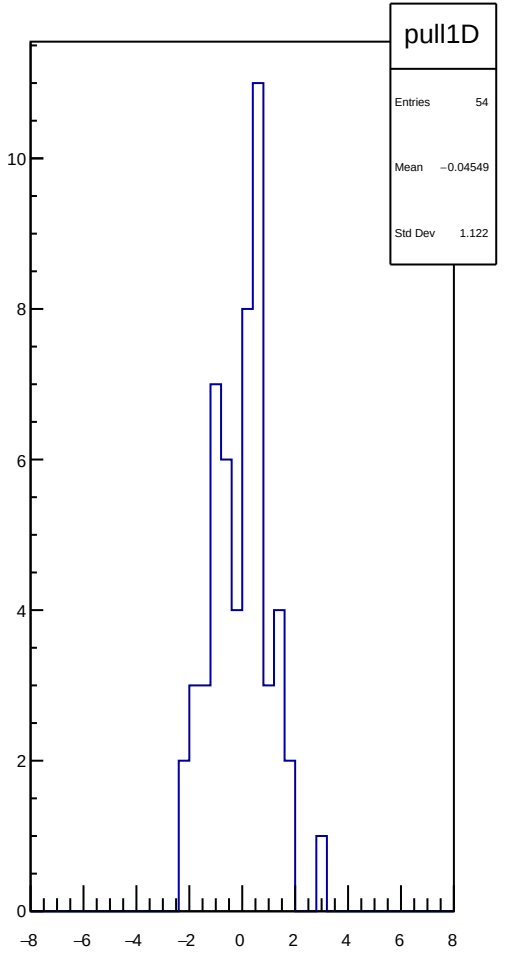

eigen_dit_asym_sam_1548_avg_rms vs run
χ² / ndf 3959 / 53
p0 110.8 ± 0.1092
150
140
130
120
110
100
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

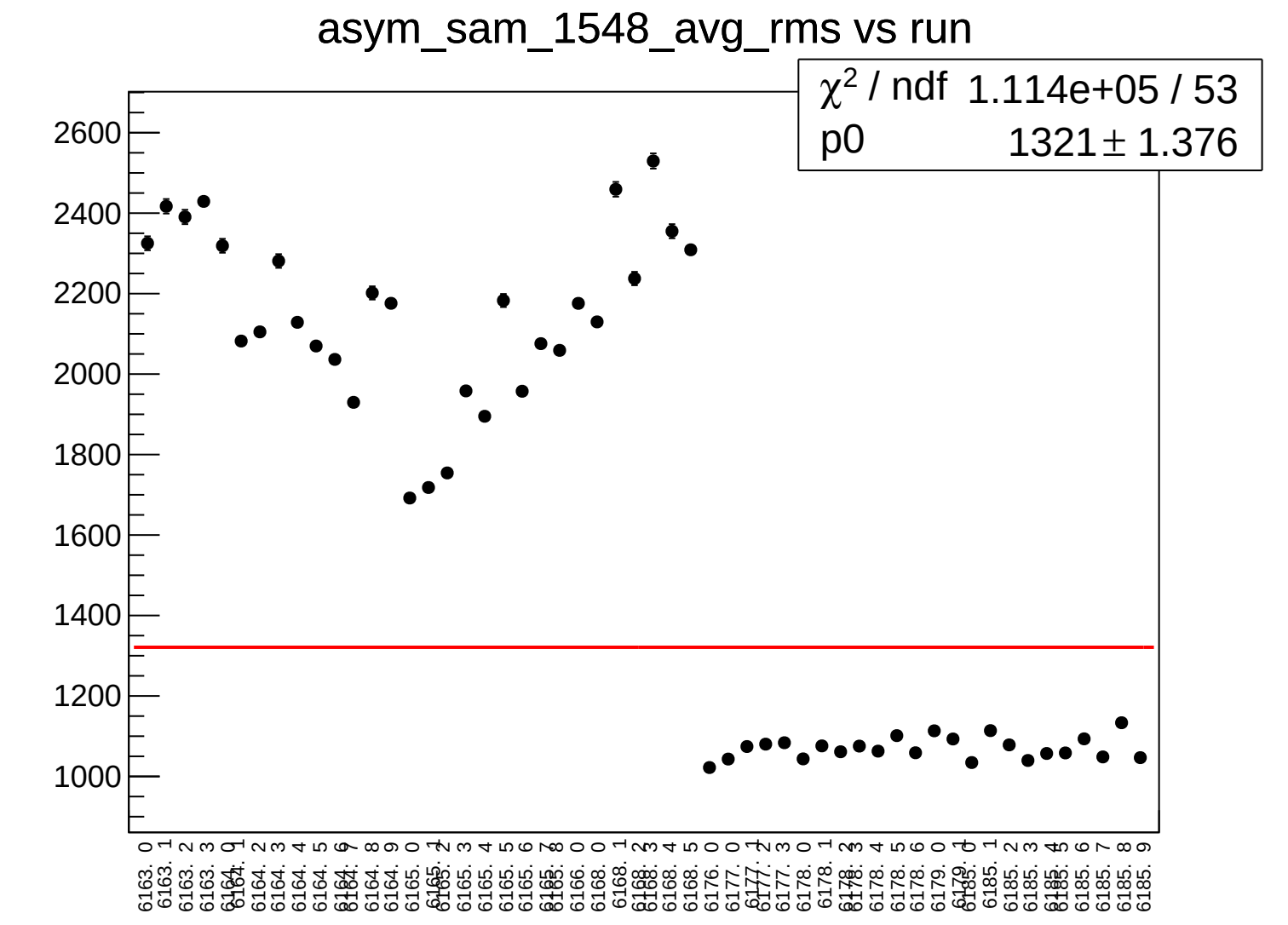

asym_sam_1548_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 67.86 / 53
p0 3172 ± 1985
pull
Entries 54
Mean −2.6
Std Dev 0

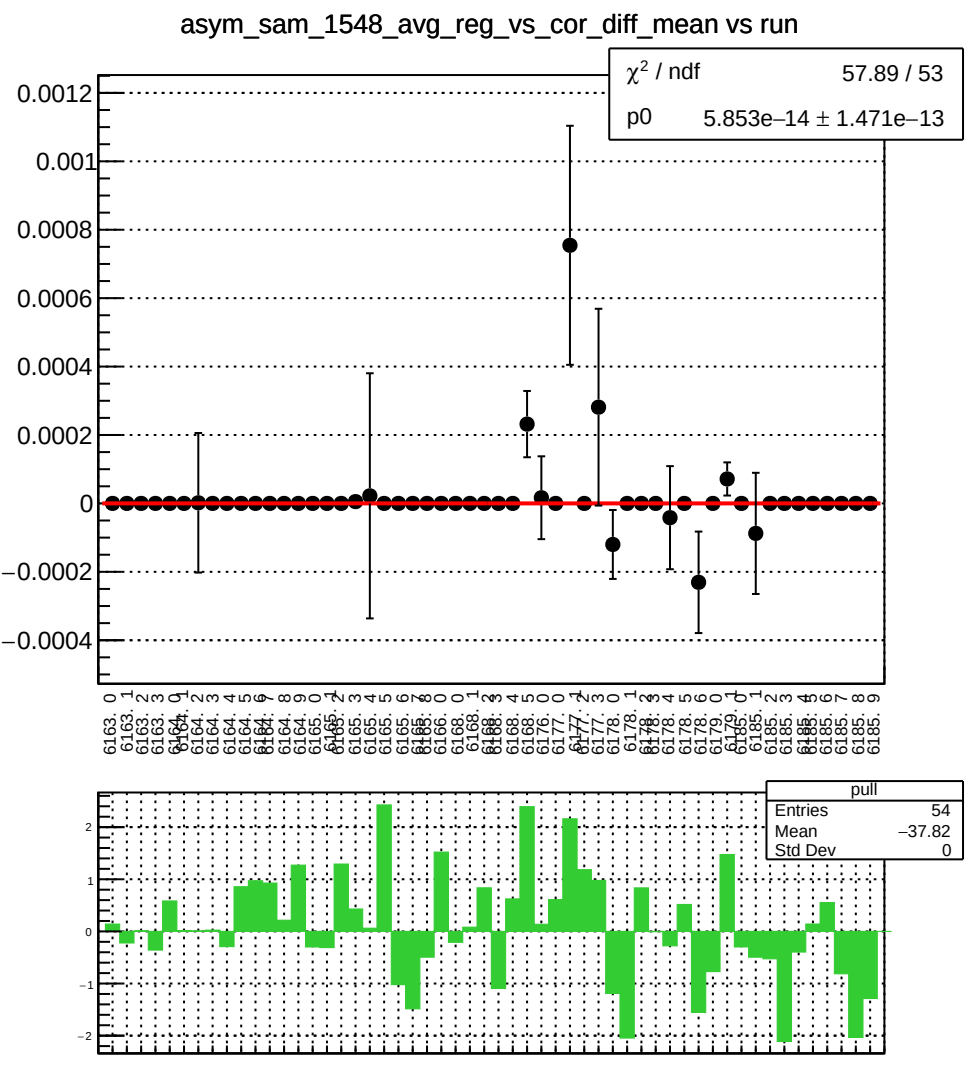

pull1D
Entries 54
Mean 0.04561
Std Dev 1.12

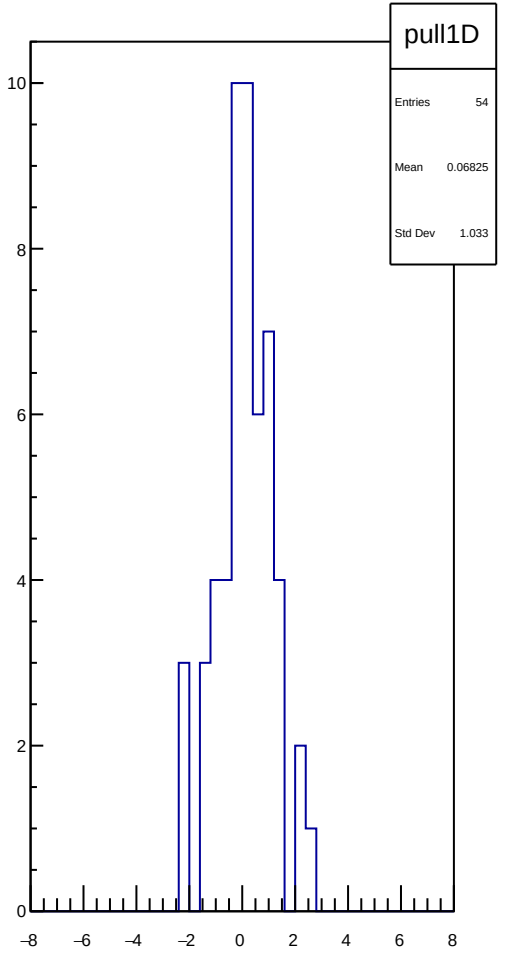

asym_sam_1548_avg_eigen_dit_correction_rms vs run
χ² / ndf 1.067e+05 / 53
p0 1351 ± 1.404
2600
2400
2200
2000
1800
1600
1400
1200
1000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

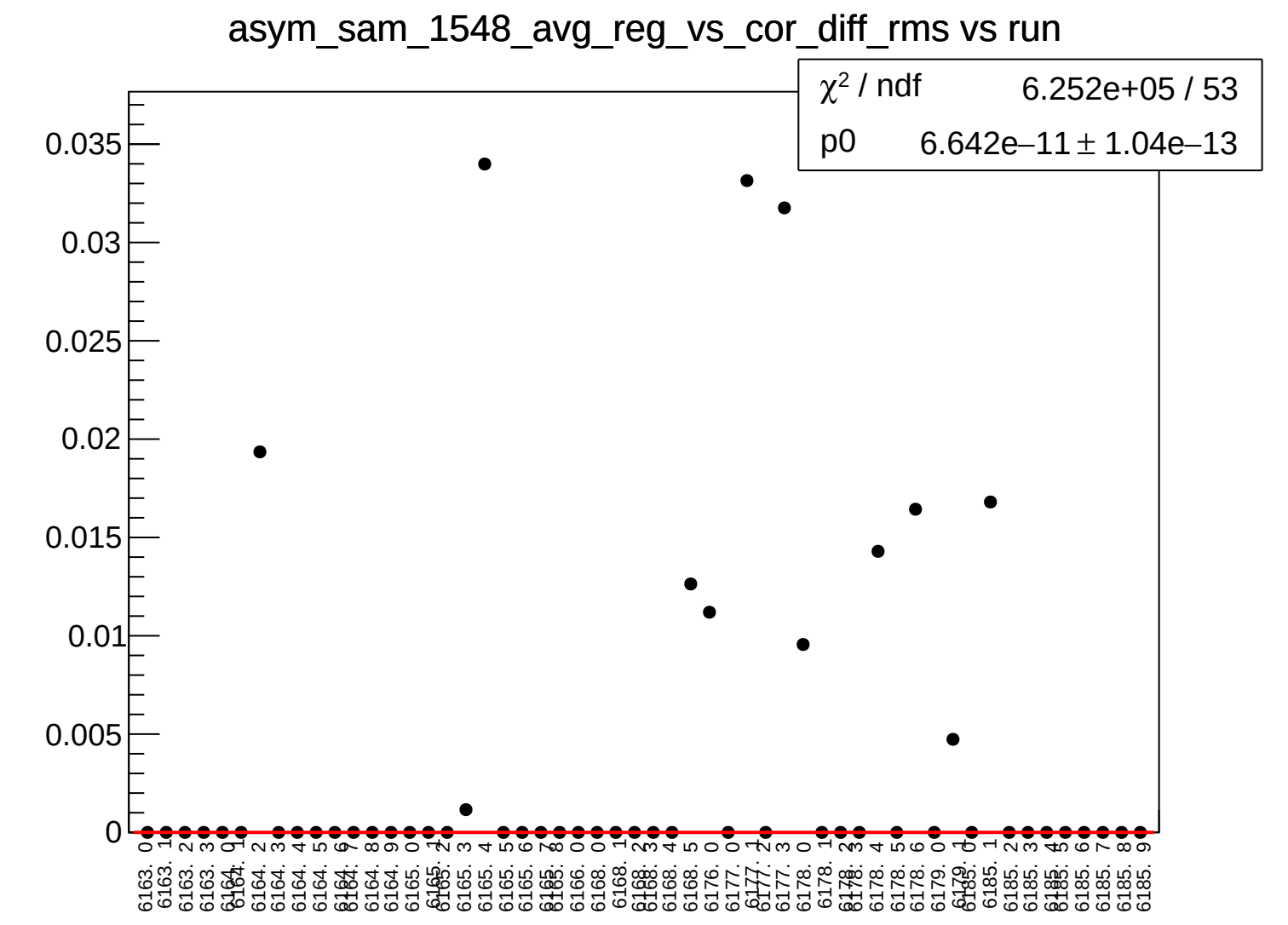

asym_sam_1548_avg_mean vs run
×10^3
χ² / ndf 68.06 / 53
p0 −3329 ± 1946
pull
Entries 54
Mean −3.205
Std Dev 0

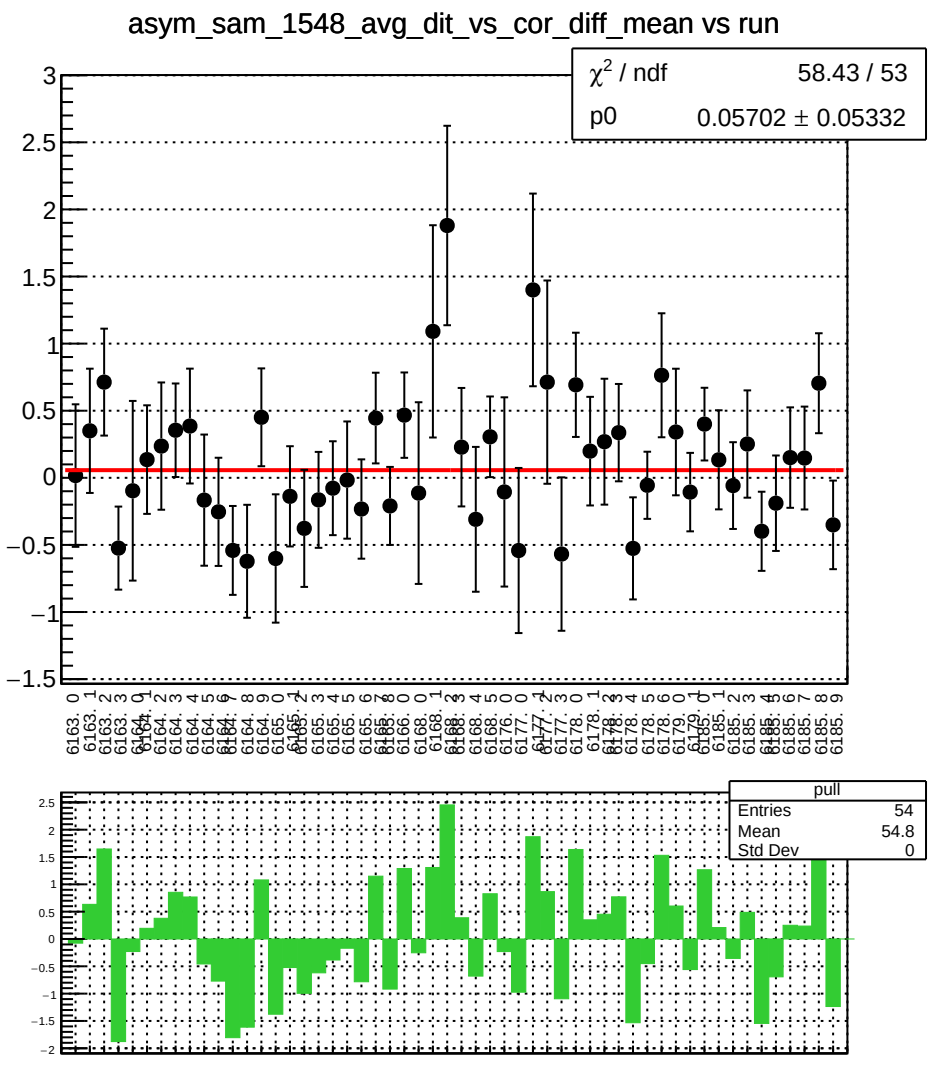

pull1D
Entries 54
Mean −0.04549
Std Dev 1.122

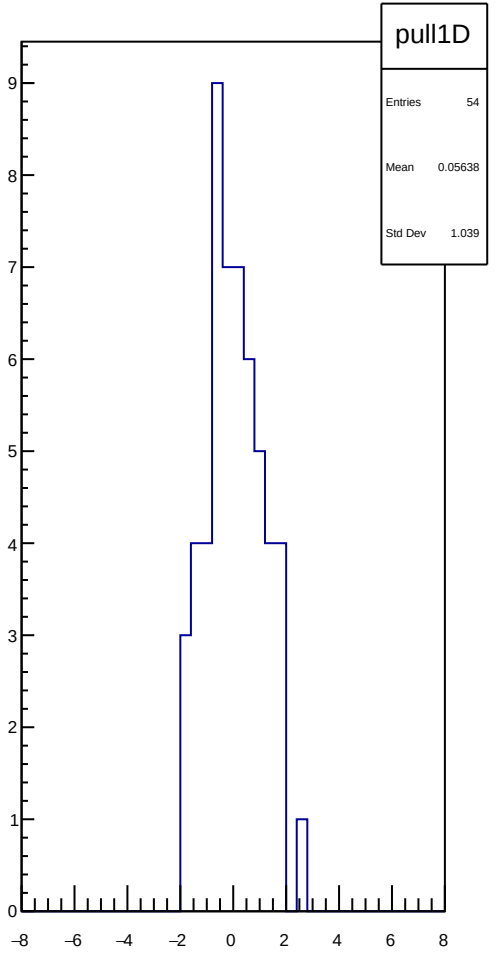

asym_sam_1548_avg_rms vs run
χ² / ndf 1.114e+05 / 53
p0 1321 ± 1.376
2600
2400
2200
2000
1800
1600
1400
1200
1000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

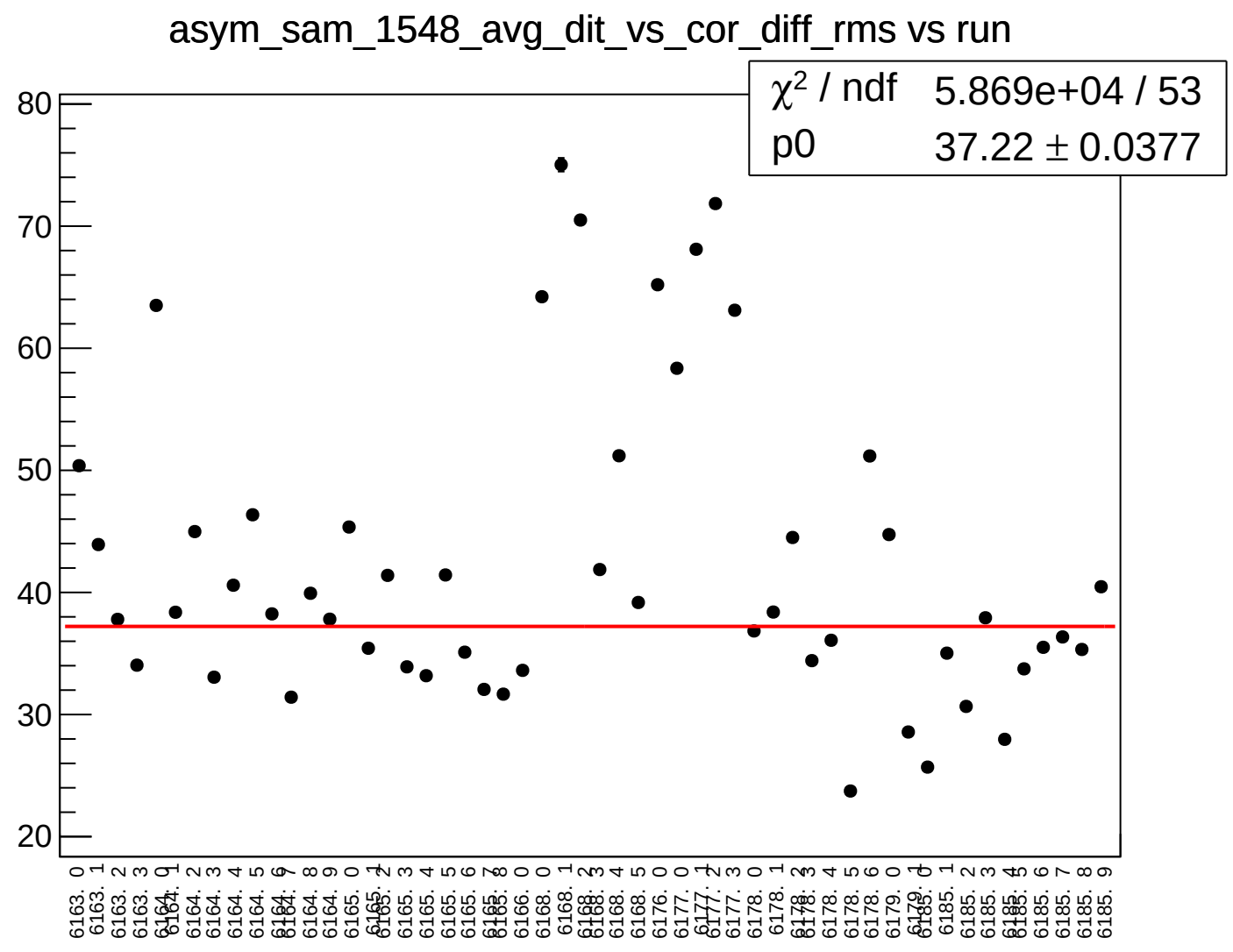

asym_sam_1548_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 57.89 / 53
p0 5.853e−14 ± 1.471e−13
0.0012
0.001
0.0008
0.0006
0.0004
0.0002
0
−0.0002
−0.0004
pull
Entries 54
Mean −37.82
Std Dev 0
2
1
0
−1
−2

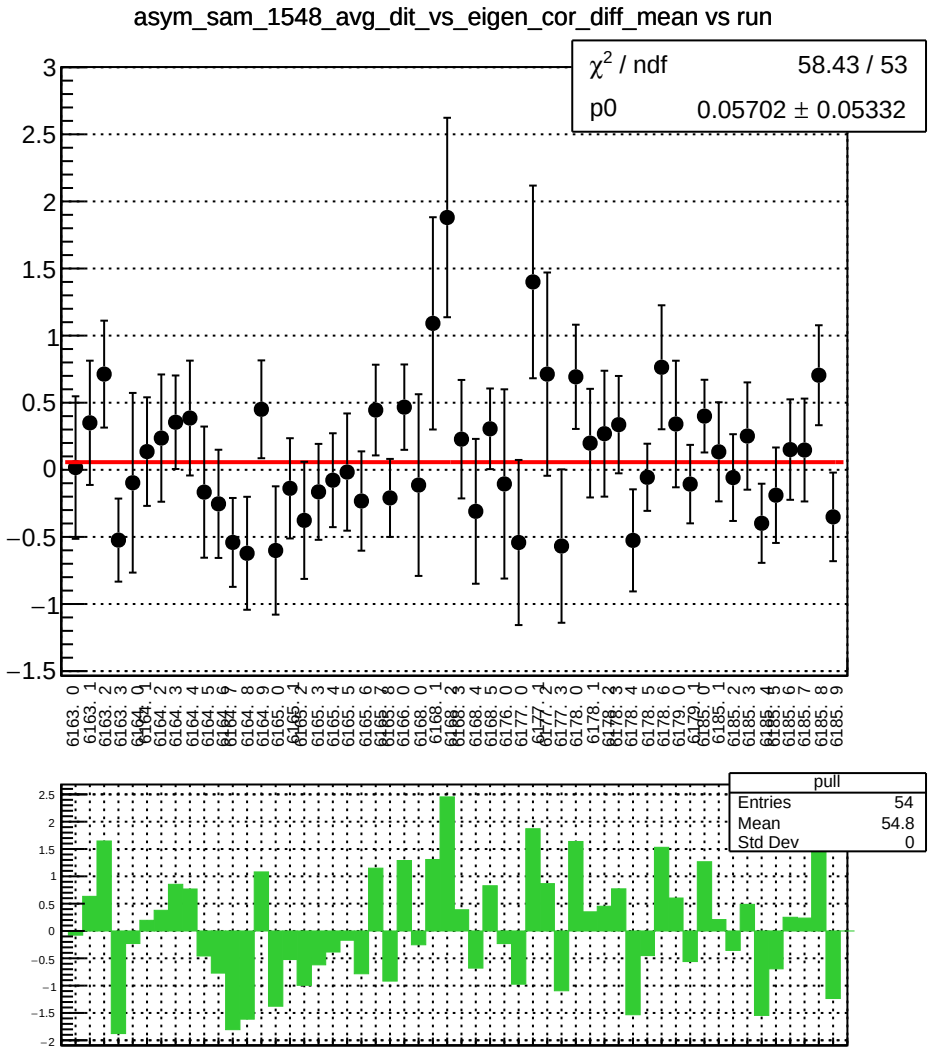

pull1D
Entries 54
Mean 0.06825
Std Dev 1.033
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

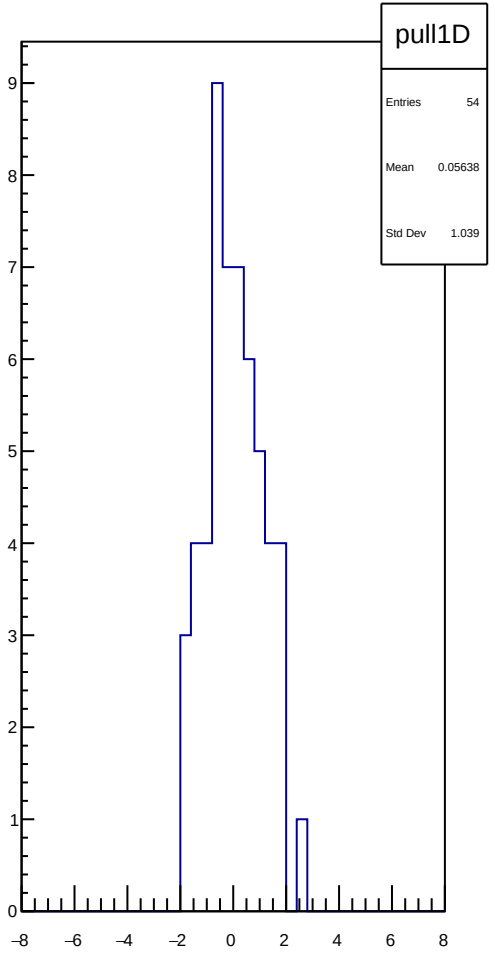

asym_sam_1548_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.252e+05 / 53
p0 6.642e−11 ± 1.04e−13
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

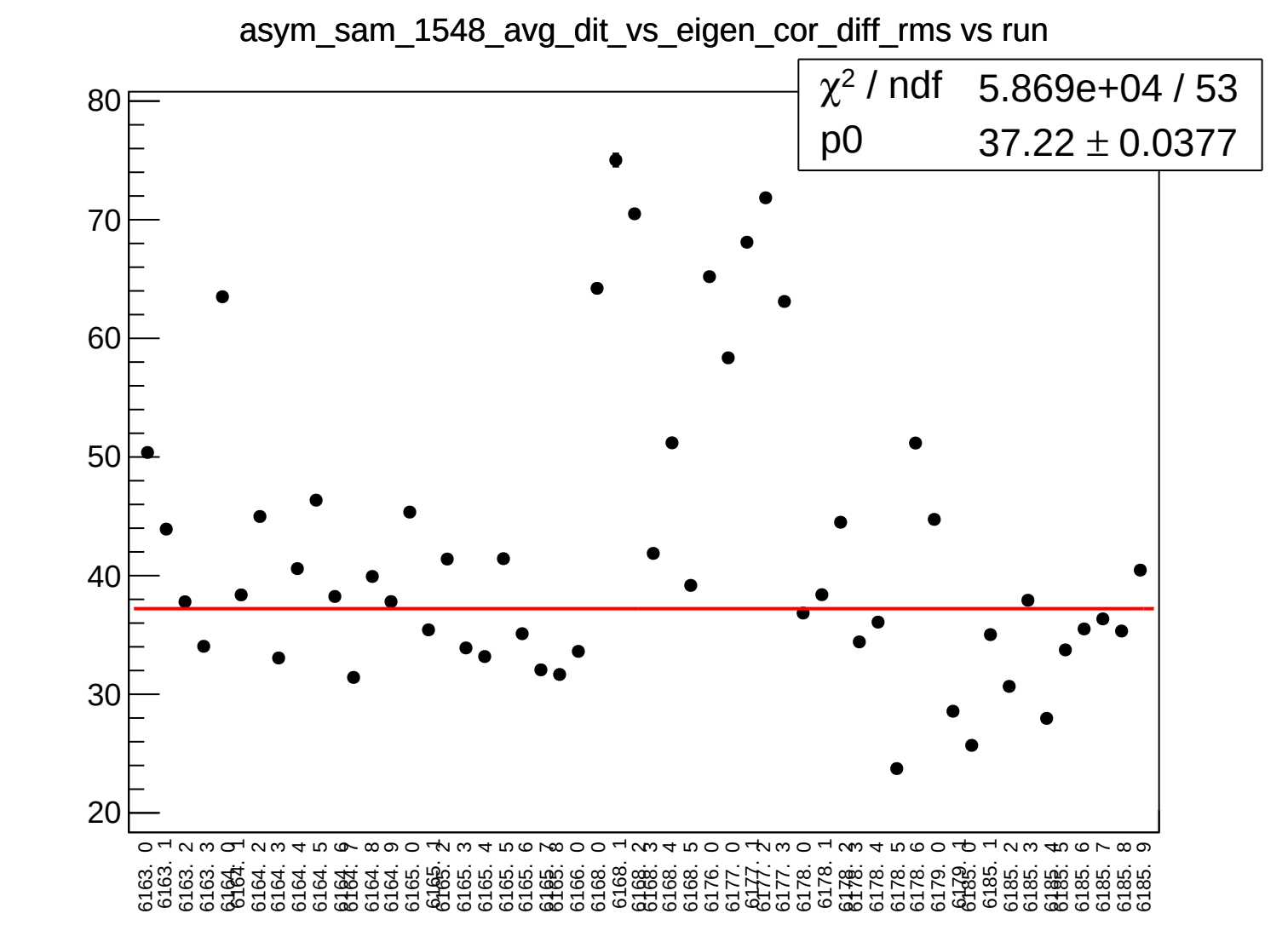

asym_sam_1548_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 58.43 / 53
p0 0.05702 ± 0.05332
pull
Entries 54
Mean 54.8
Std Dev 0

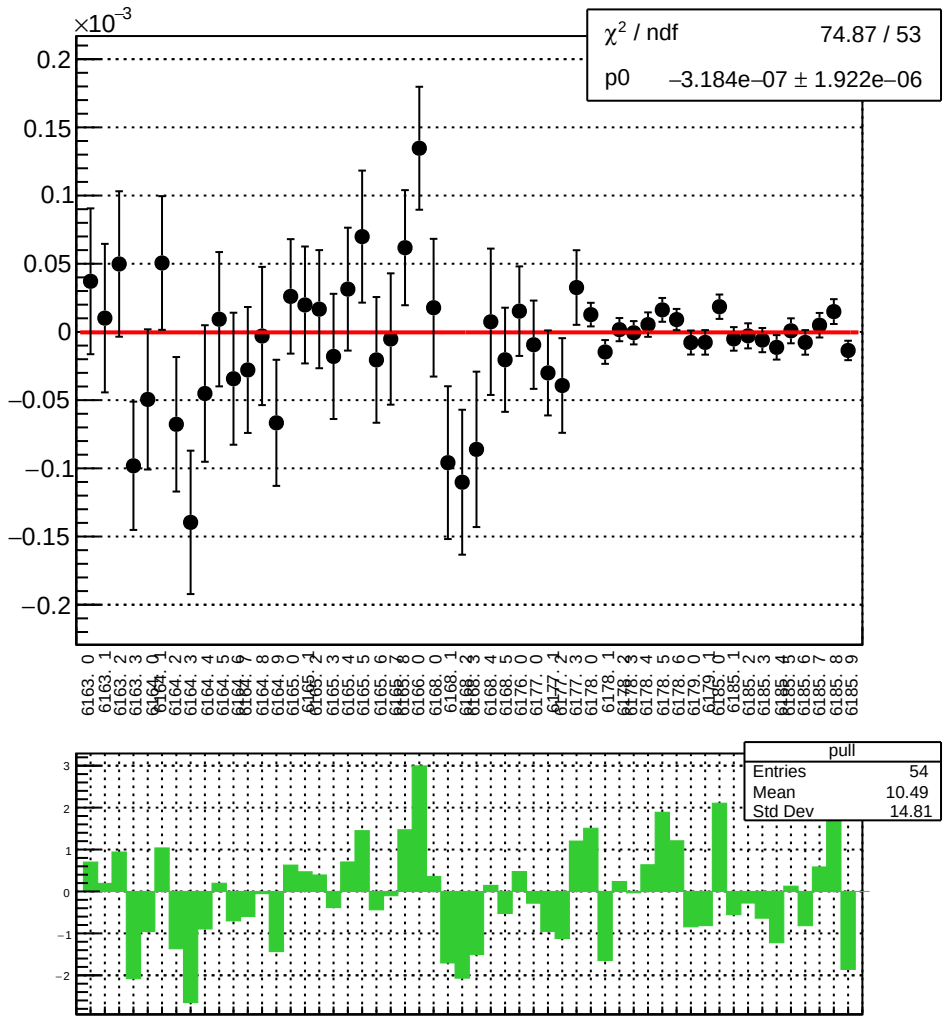

pull1D
Entries 54
Mean 0.05638
Std Dev 1.039

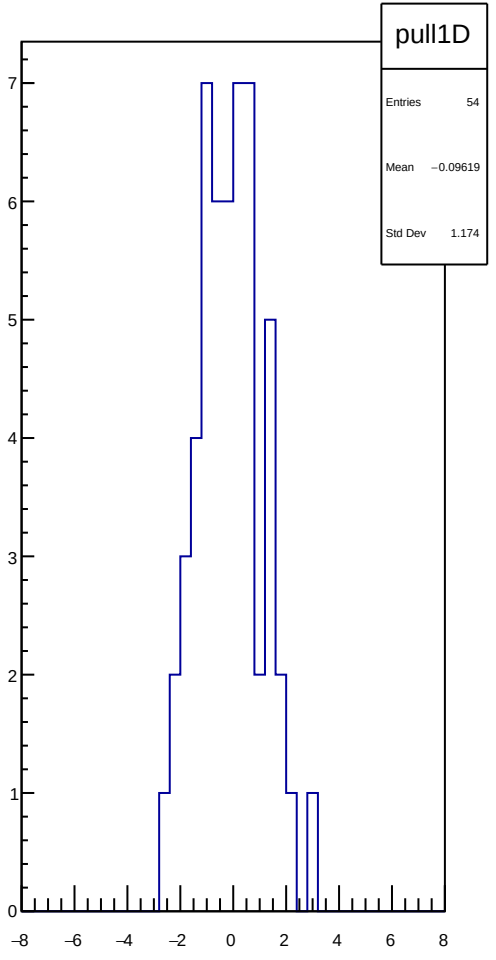

asym_sam_1548_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 5.869e+04 / 53
p0 37.22 ± 0.0377
80
70
60
50
40
30
20
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

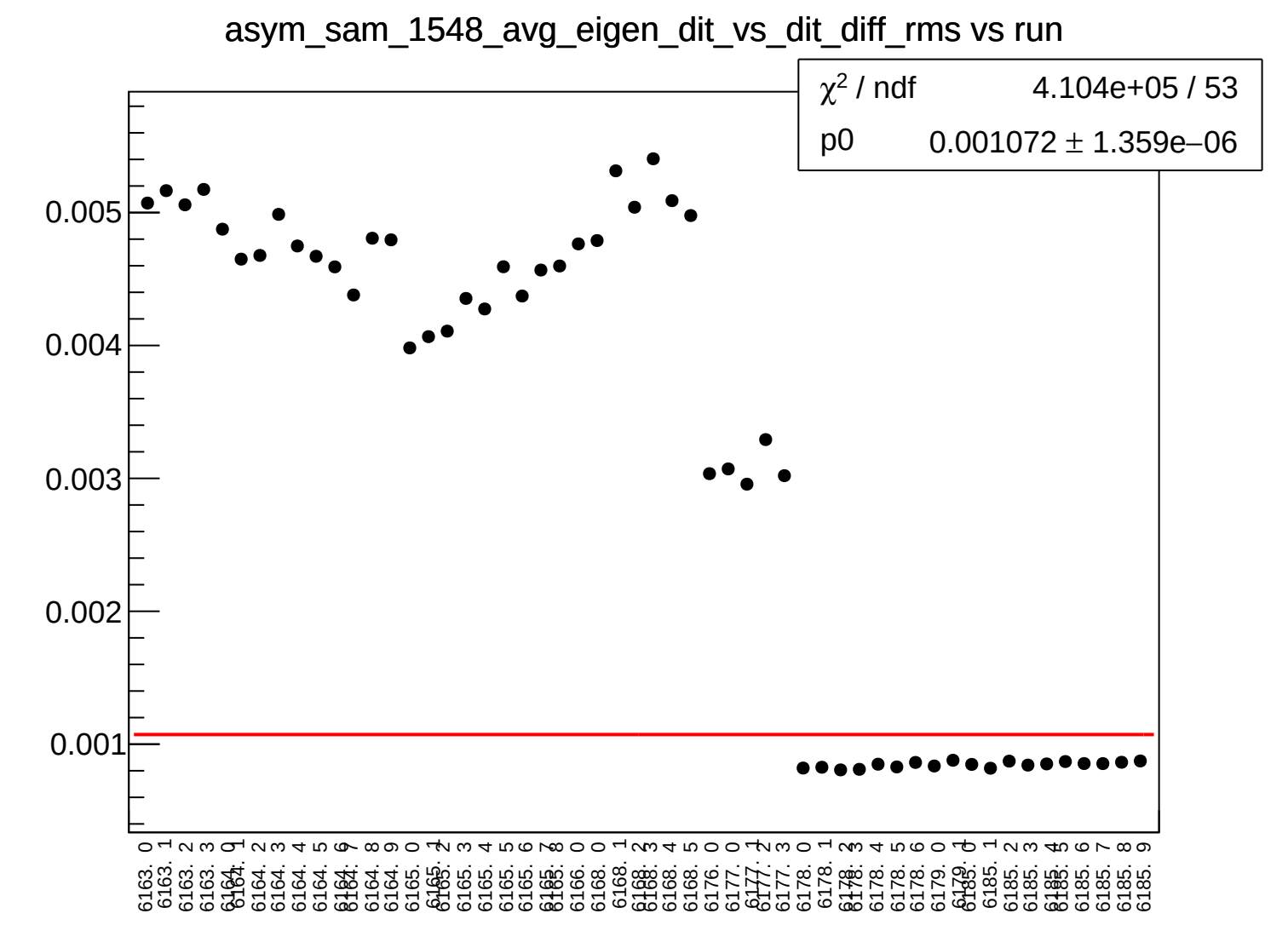

asym_sam_1548_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 58.43 / 53
p0 0.05702 ± 0.05332
pull
Entries 54
Mean 54.8
Std Dev 0

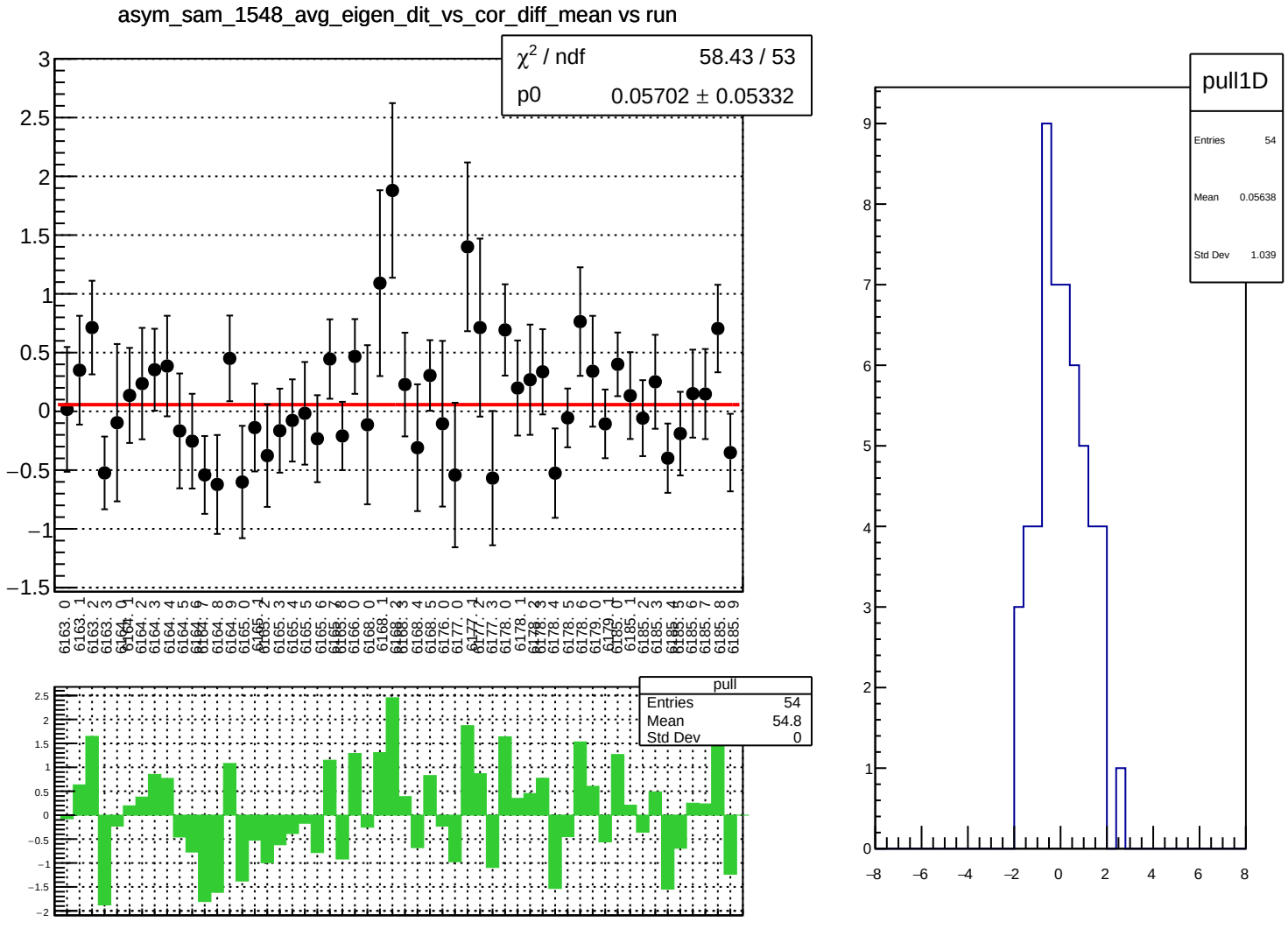

pull1D
Entries 54
Mean 0.05638
Std Dev 1.039

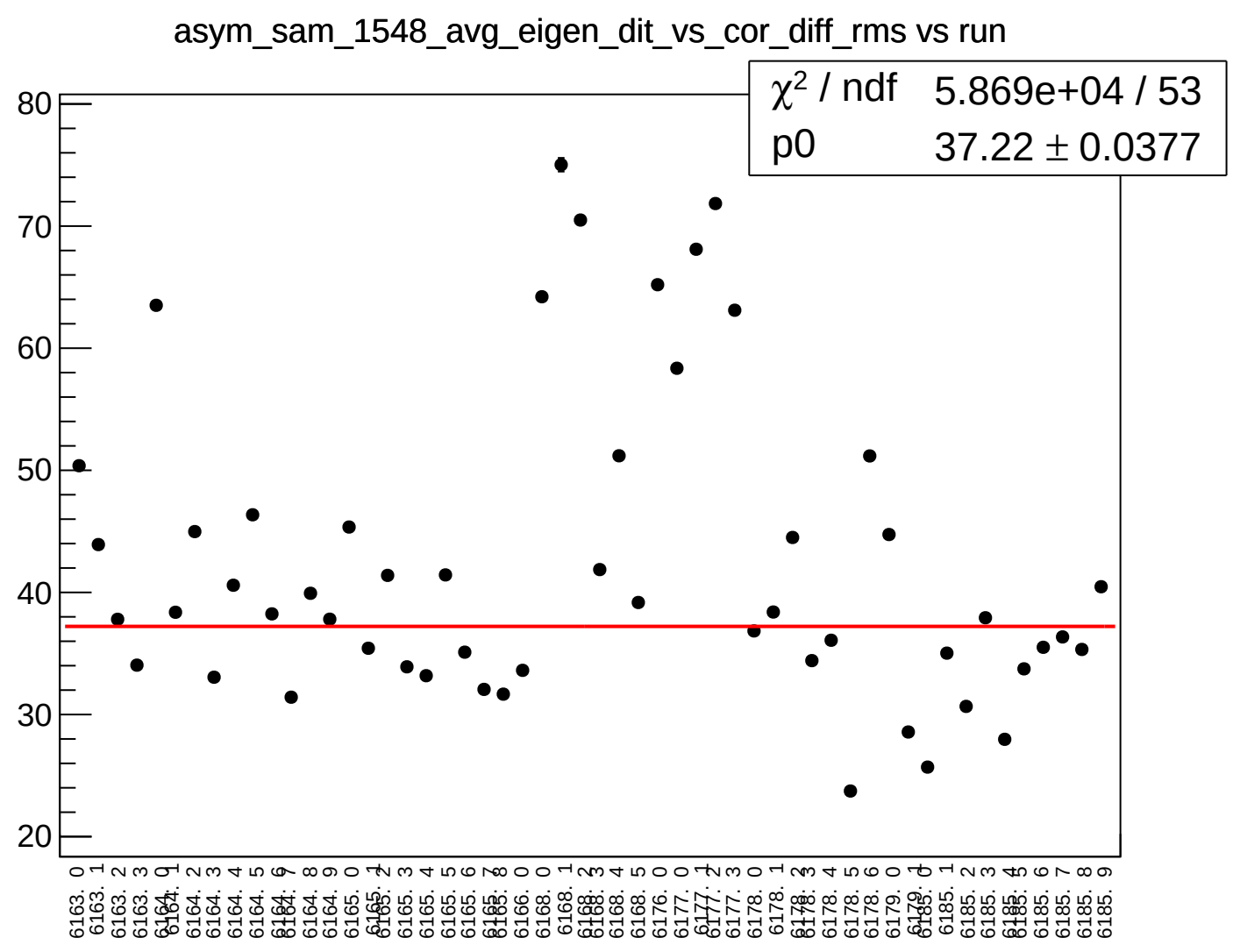

asym_sam_1548_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.869e+04 / 53
p0 37.22 ± 0.0377
80
70
60
50
40
30
20
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

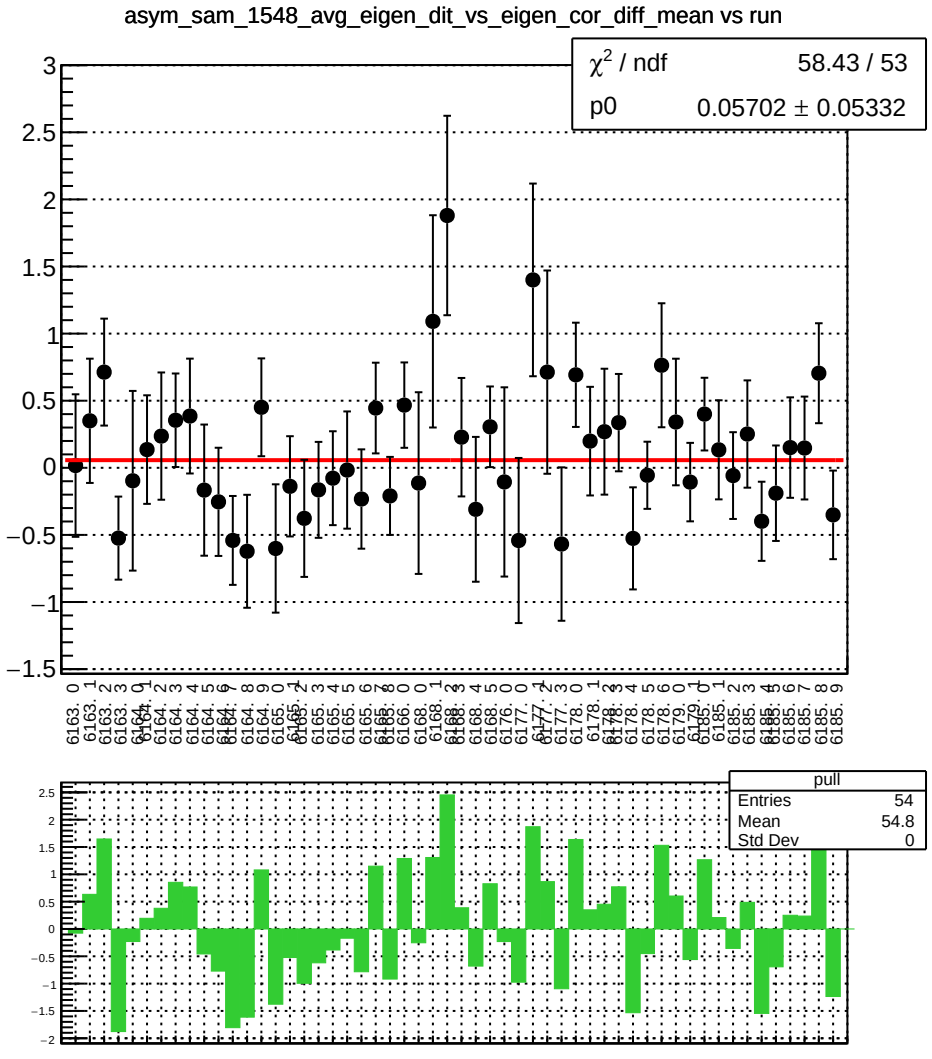

asym_sam_1548_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 74.87 / 53
p0 −3.184e−07 ± 1.922e−06
pull
Entries 54
Mean 10.49
Std Dev 14.81

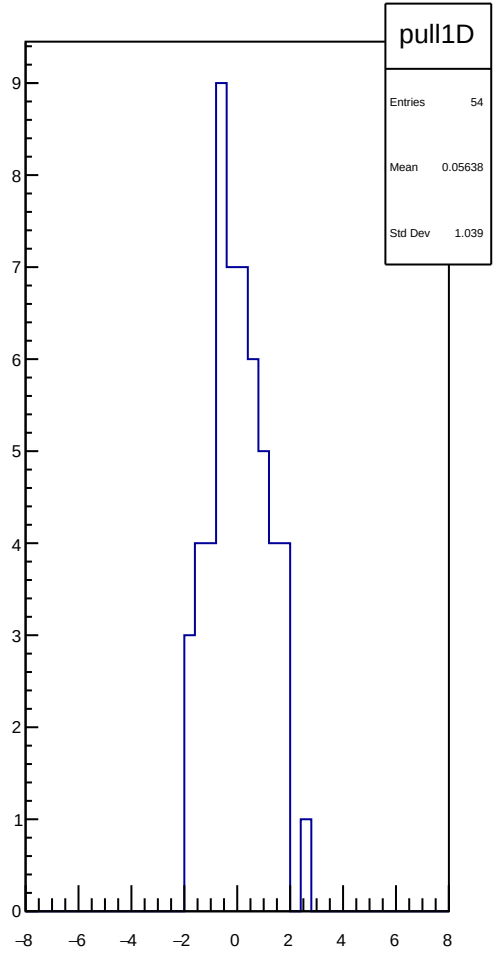

pull1D
Entries 54
Mean −0.09619
Std Dev 1.174

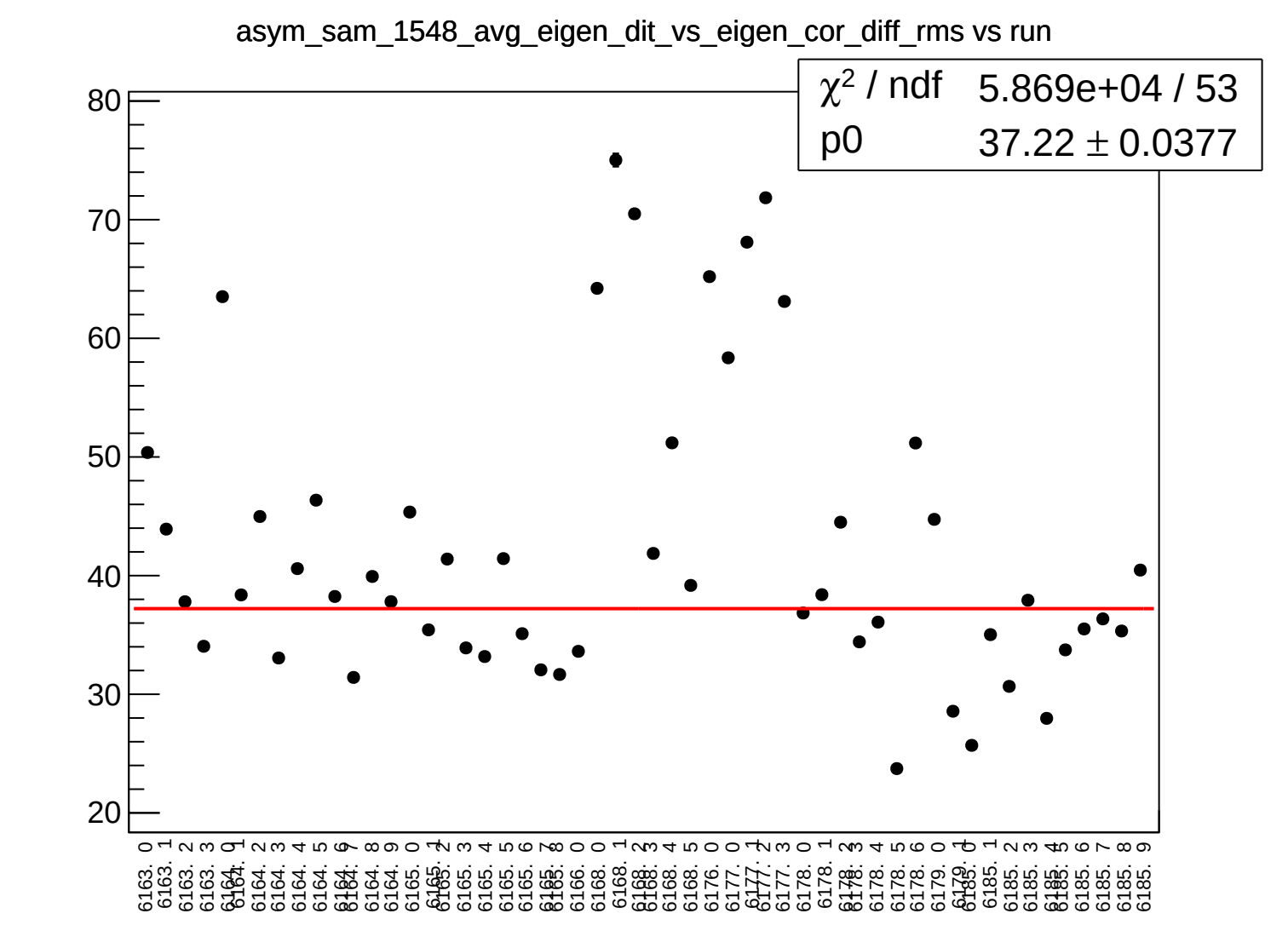

asym_sam_1548_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4.104e+05 / 53
p0 0.001072 ± 1.359e−06
0.005
0.004
0.003
0.002
0.001
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

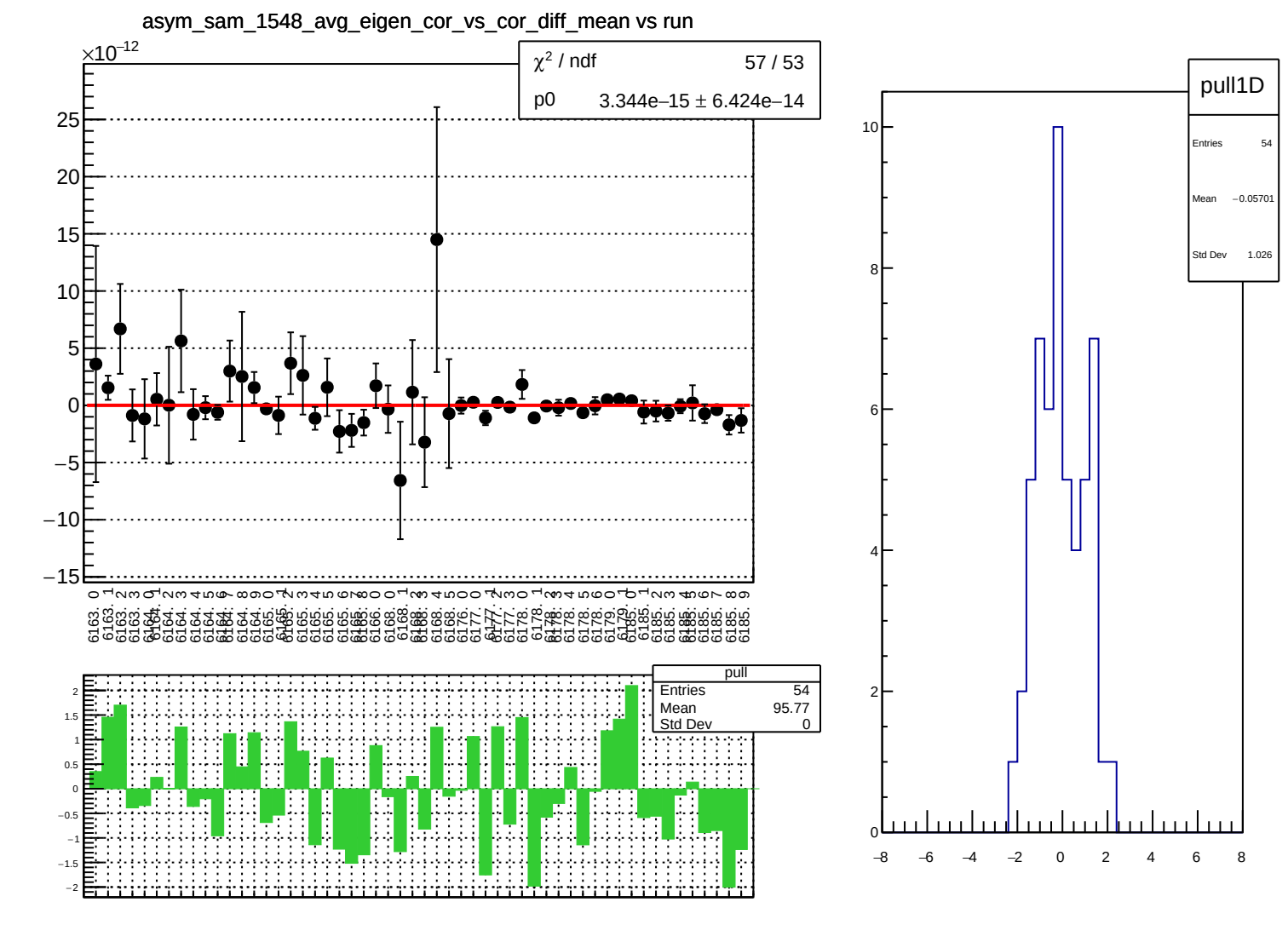

asym_sam_1548_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 58.43 / 53
p0 0.05702 ± 0.05332
pull
Entries 54
Mean 54.8
Std Dev 0
pull1D
Entries 54
Mean 0.05638
Std Dev 1.039

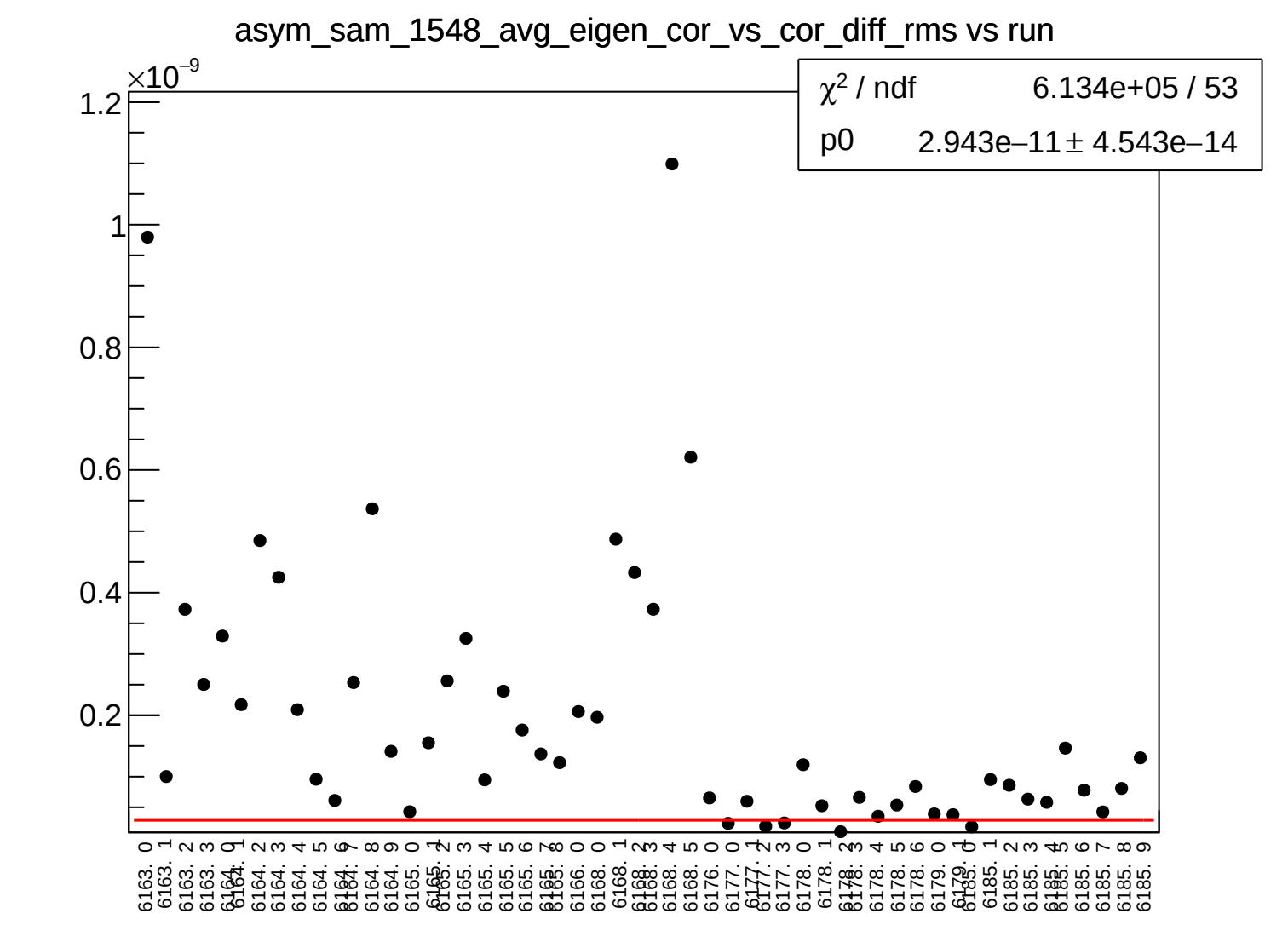

asym_sam_1548_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.869e+04 / 53
p0 37.22 ± 0.0377
80
70
60
50
40
30
20
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 2
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

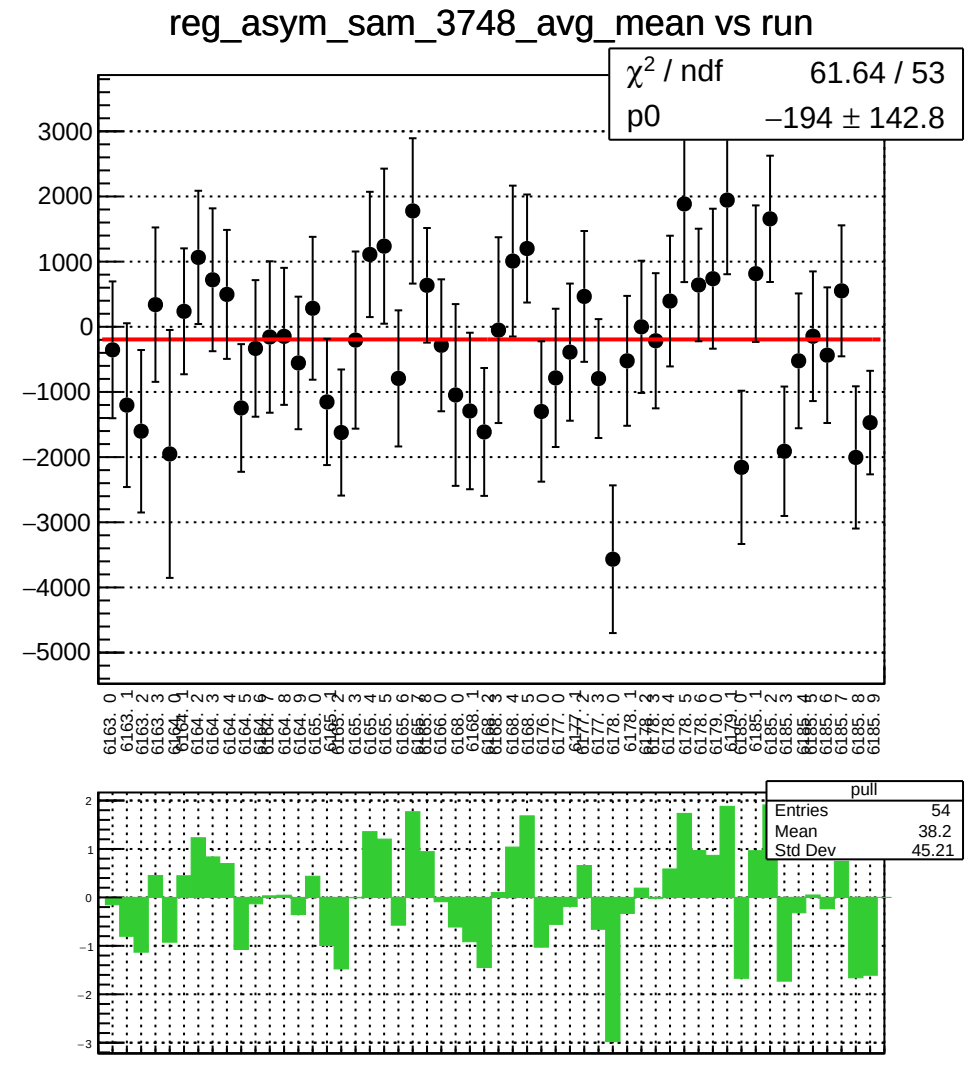

asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 58.43 / 53
p0 0.05702 ± 0.05332
pull
Entries 54
Mean 54.8
Std Dev 0

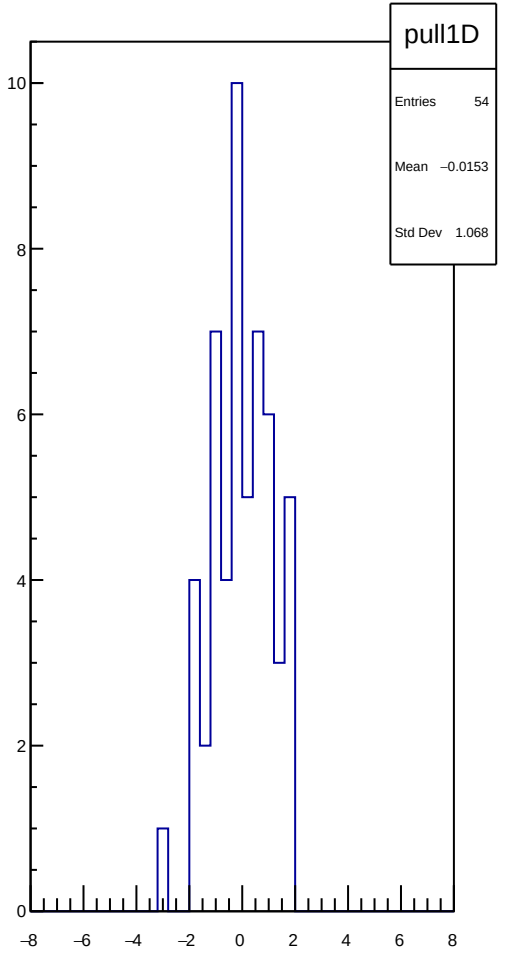

pull1D
Entries 54
Mean 0.05638
Std Dev 1.039

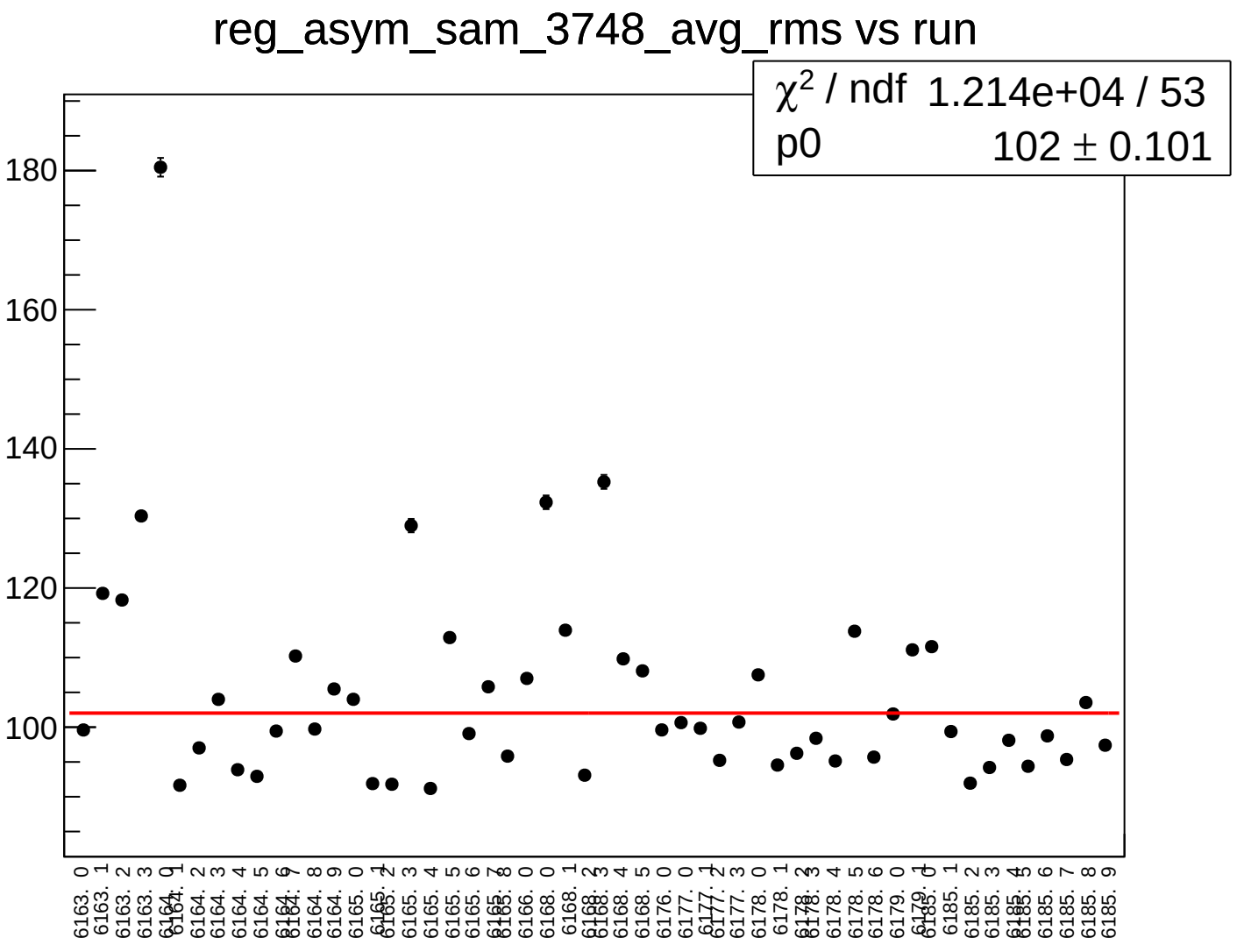

asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.869e+04 / 53
p0 37.22 ± 0.0377
80
70
60
50
40
30
20
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

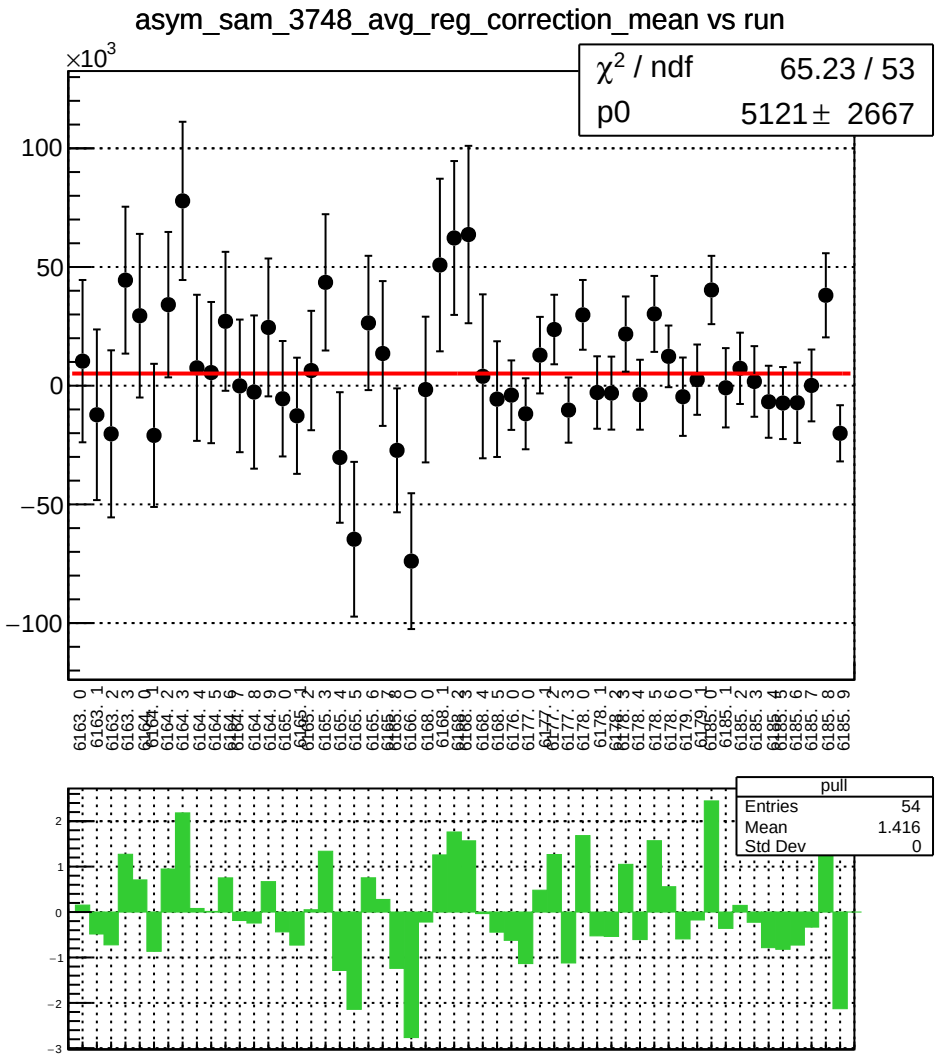

asym_sam_1548_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 57 / 53
p0 3.344e−15 ± 6.424e−14
pull
Entries 54
Mean 95.77
Std Dev 0
pull1D
Entries 54
Mean −0.05701
Std Dev 1.026

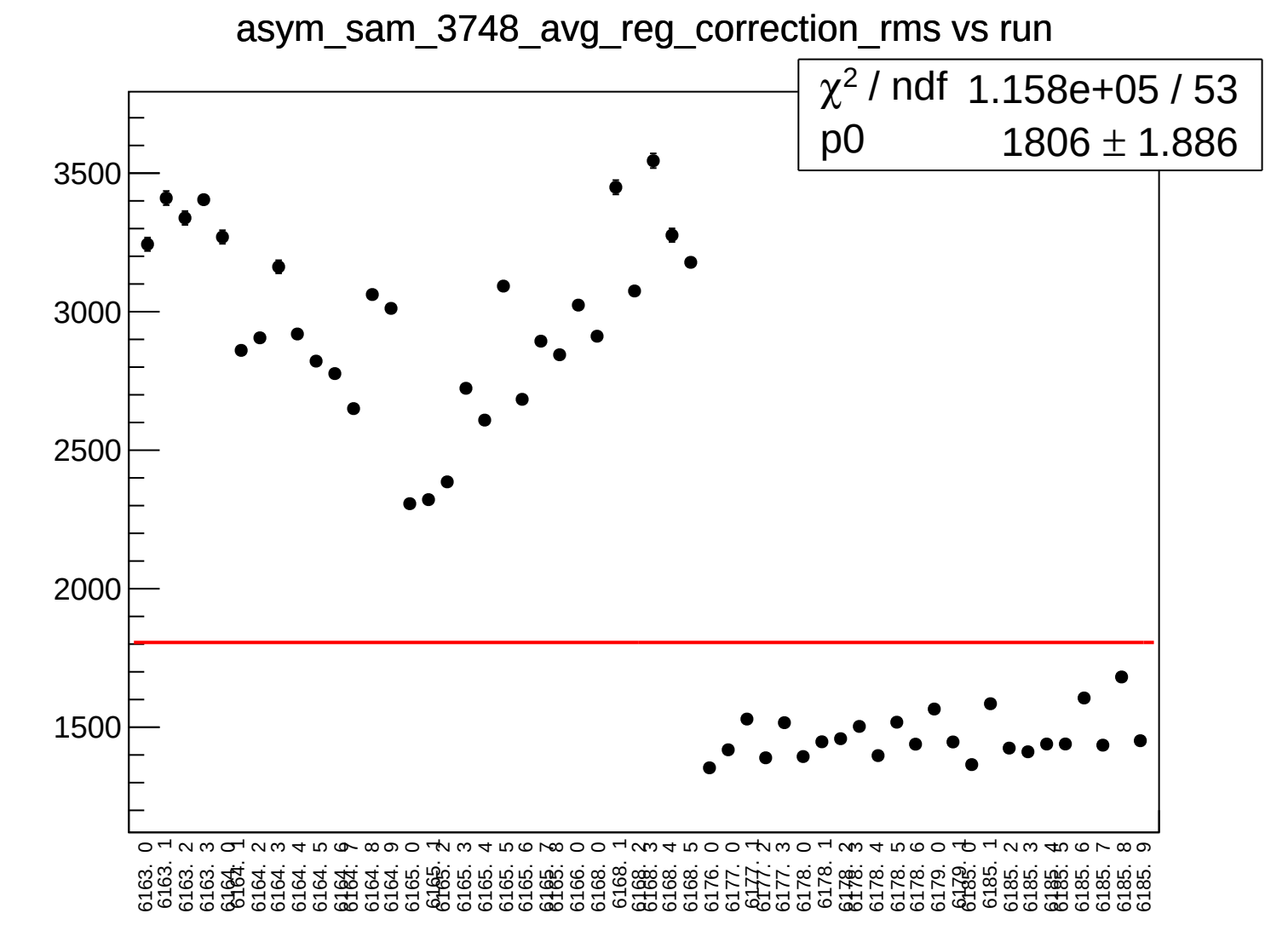

asym_sam_1548_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.134e+05 / 53
p0 2.943e−11 ± 4.543e−14
1.2
1
0.8
0.6
0.4
0.2
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

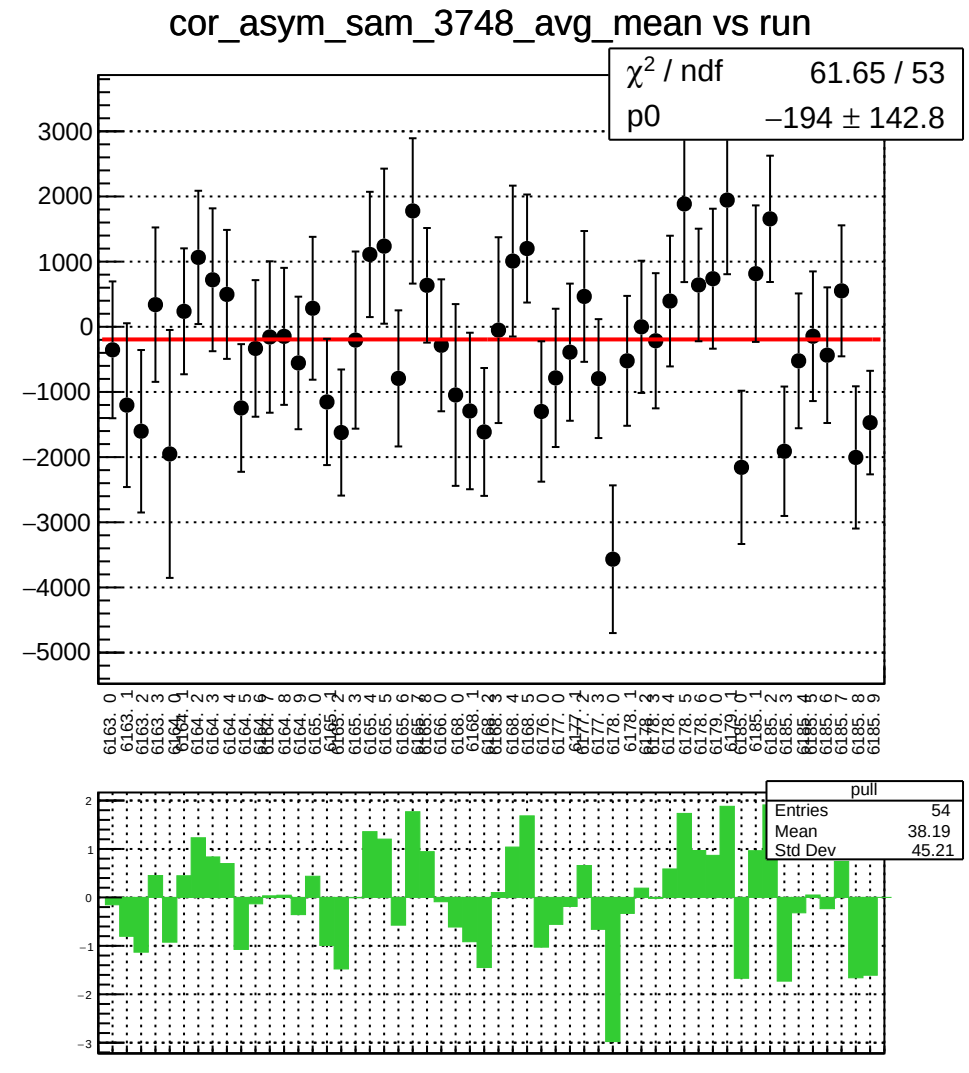

reg_asym_sam_3748_avg_mean vs run
χ² / ndf 61.64 / 53
p0 −194 ± 142.8
pull
Entries 54
Mean 38.2
Std Dev 45.21

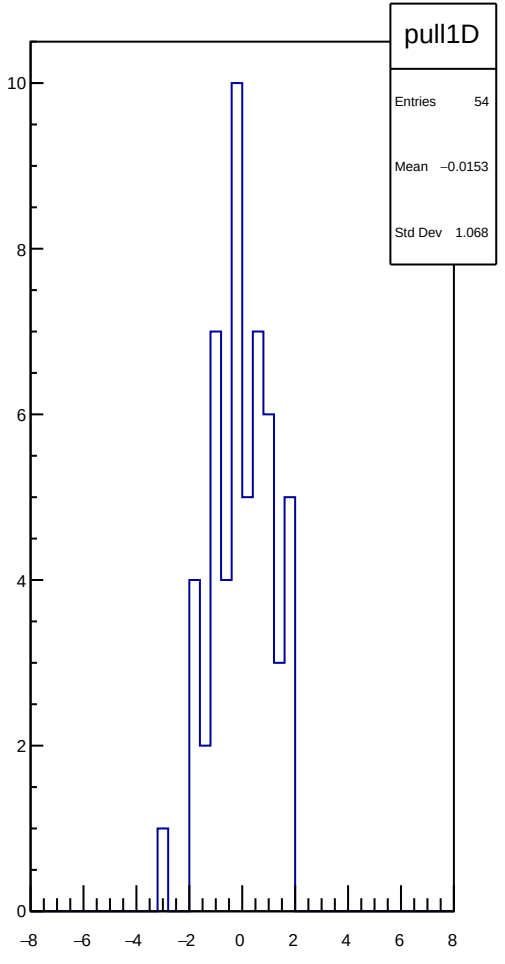

pull1D
Entries 54
Mean −0.0153
Std Dev 1.068

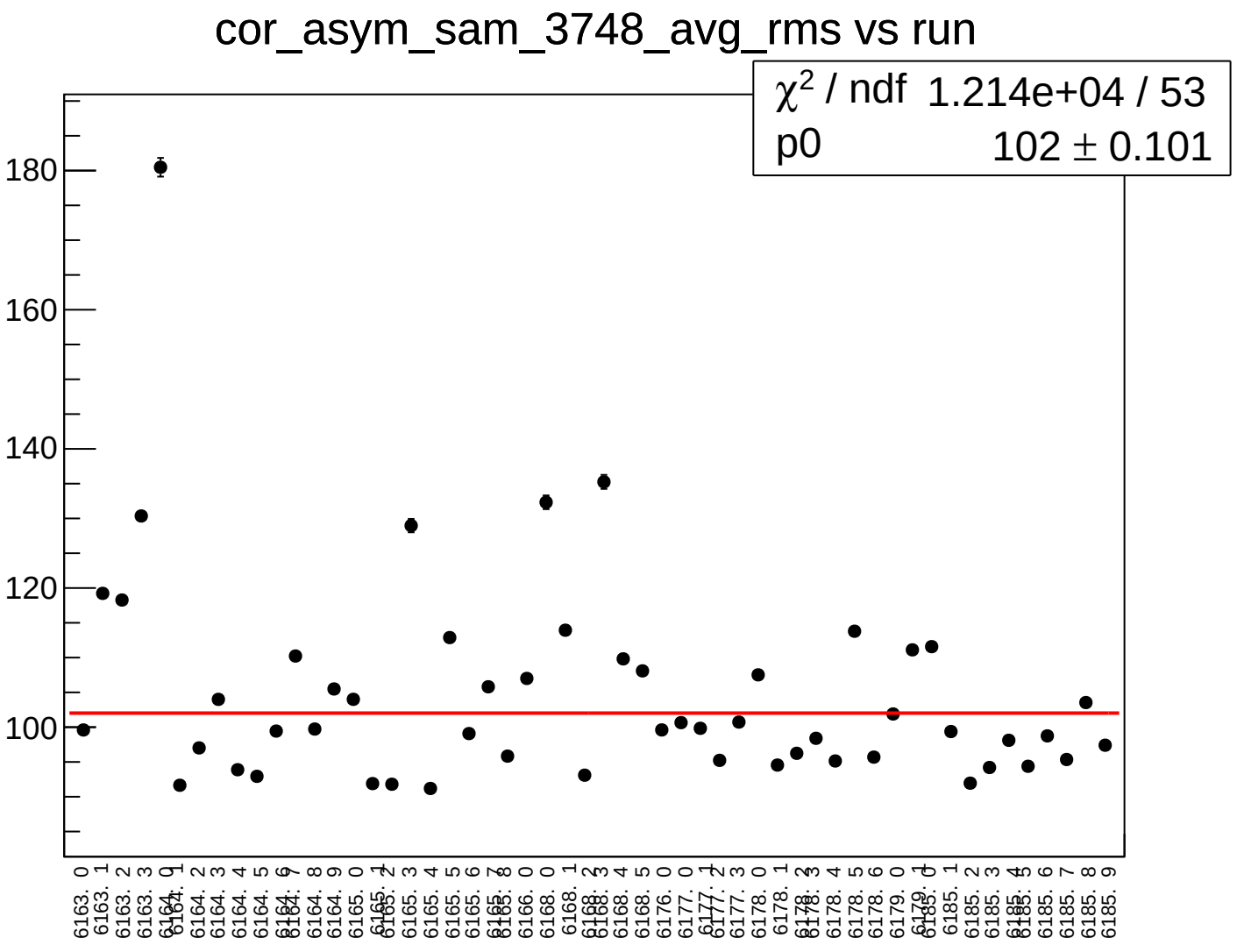

reg_asym_sam_3748_avg_rms vs run
χ² / ndf 1.214e+04 / 53
p0 102 ± 0.101
180
160
140
120
100
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

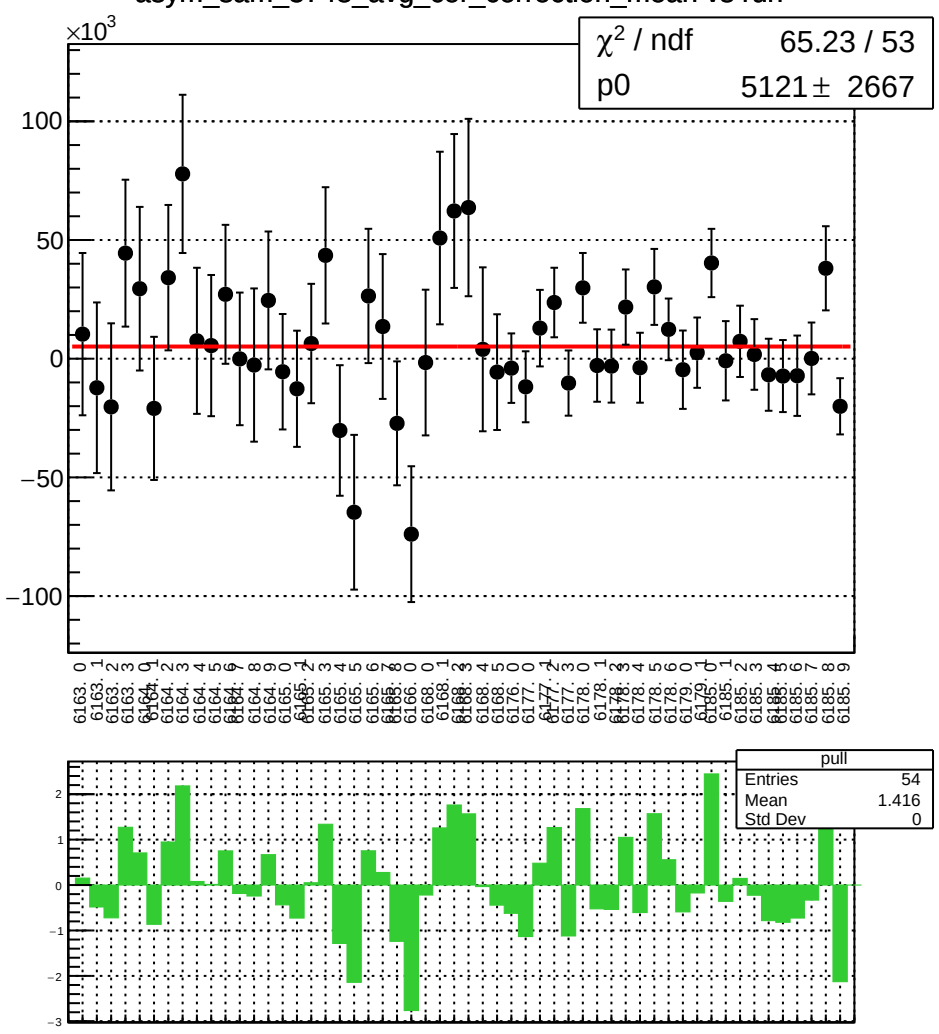

asym_sam_3748_avg_reg_correction_mean vs run
χ² / ndf 65.23 / 53
p0 5121 ± 2667
pull
Entries 54
Mean 1.416
Std Dev 0
pull1D
Entries 54
Mean 0.04384
Std Dev 1.098

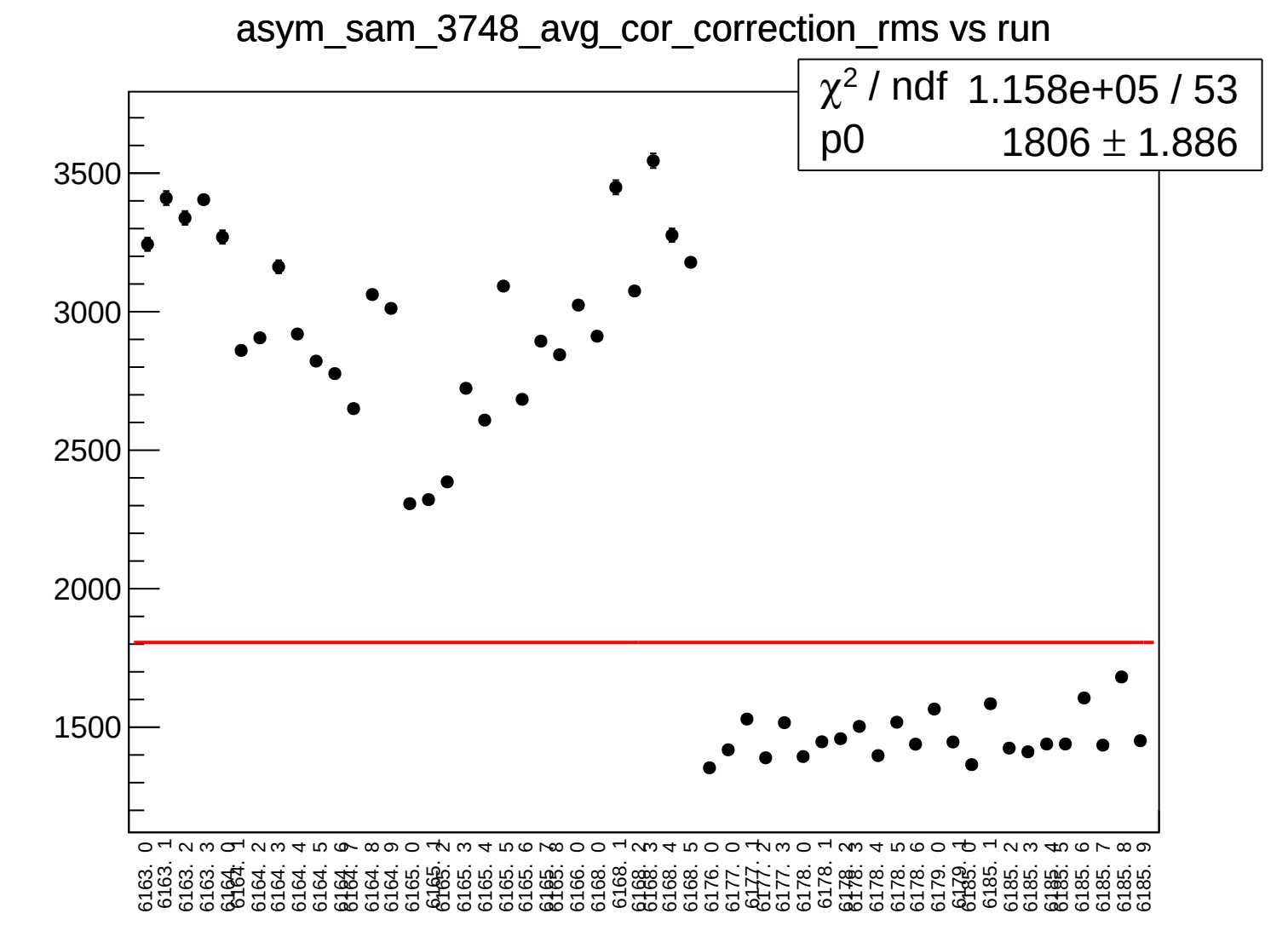

asym_sam_3748_avg_reg_correction_rms vs run
χ² / ndf 1.158e+05 / 53
p0 1806 ± 1.886
3500
3000
2500
2000
1500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

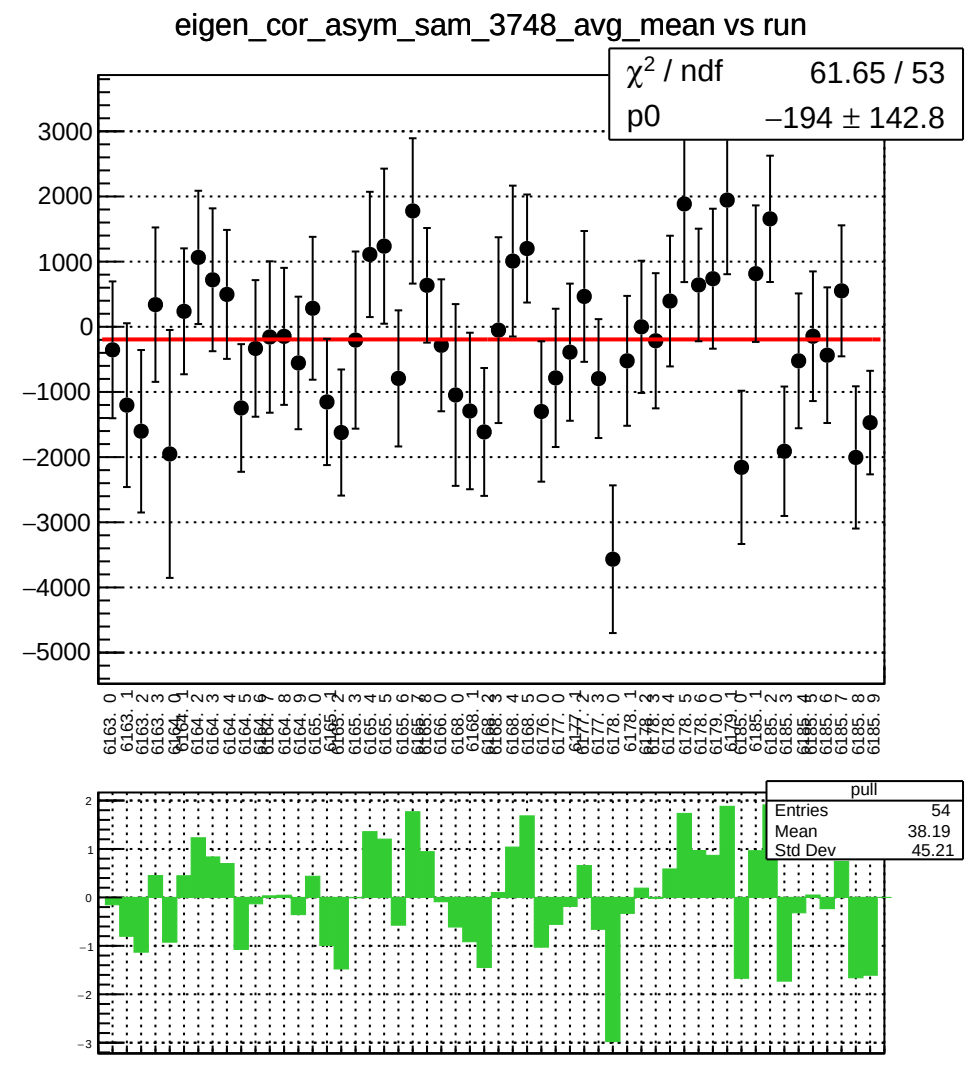

cor_asym_sam_3748_avg_mean vs run
χ² / ndf 61.65 / 53
p0 −194 ± 142.8
pull
Entries 54
Mean 38.19
Std Dev 45.21

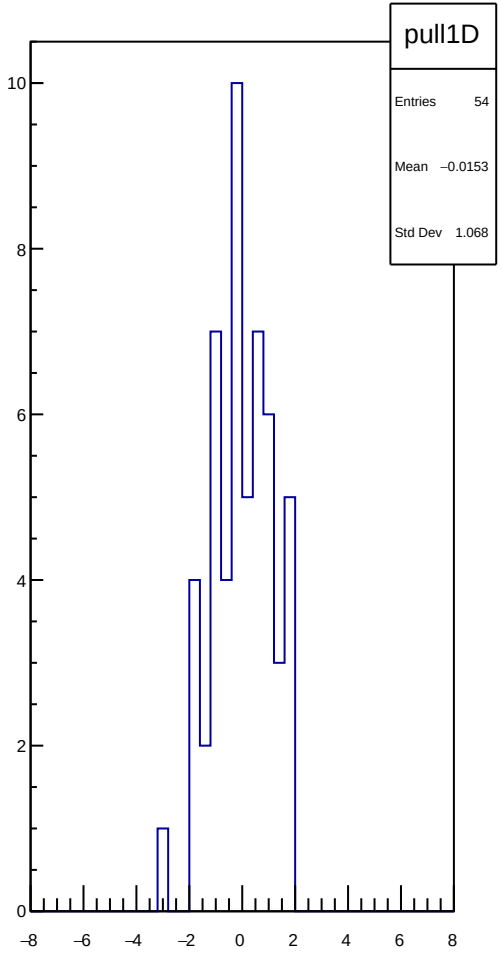

pull1D
Entries 54
Mean −0.0153
Std Dev 1.068

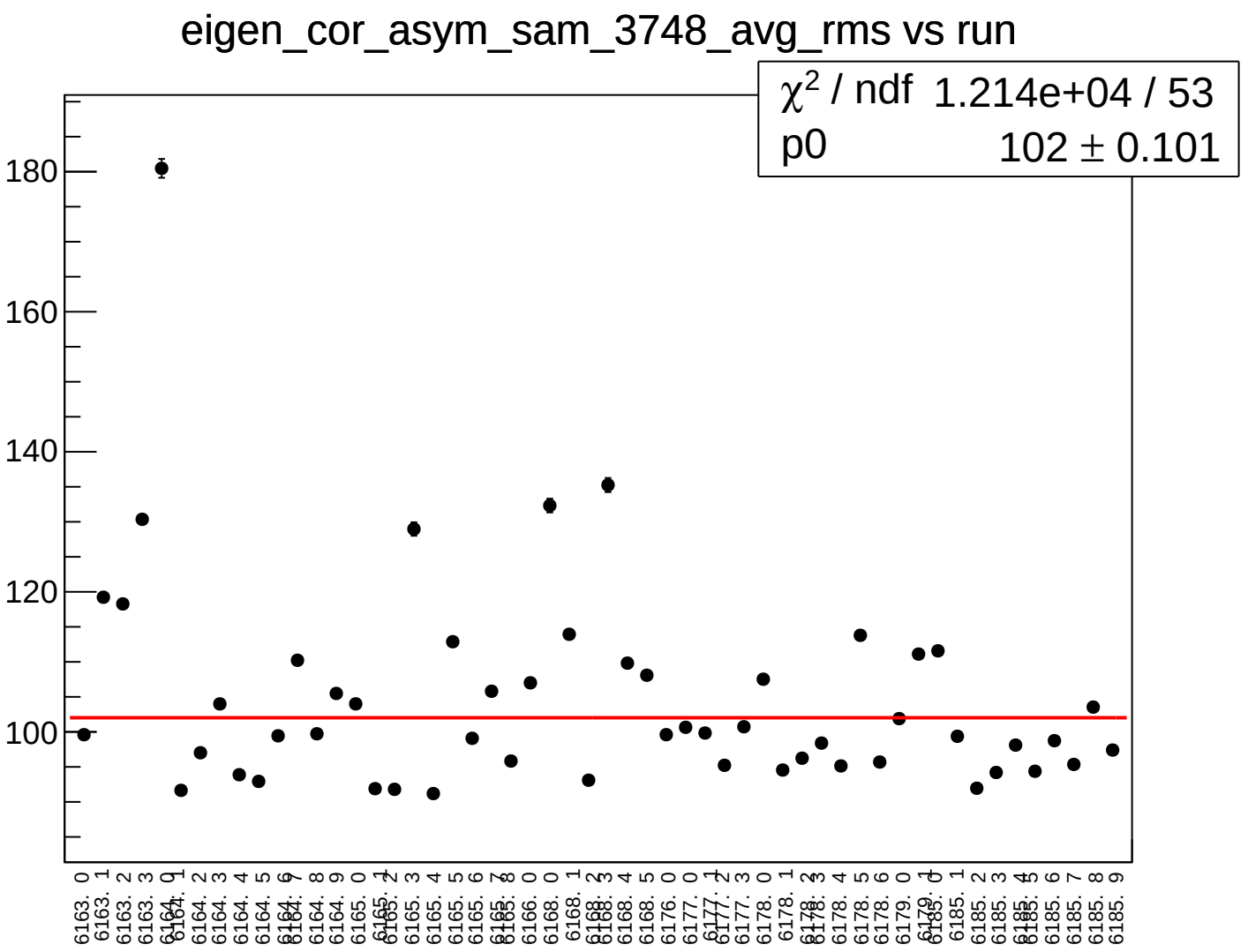

cor_asym_sam_3748_avg_rms vs run
χ² / ndf 1.214e+04 / 53
p0 102 ± 0.101
180
160
140
120
100
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6165. 7
6166. 0
6168. 0
6168. 1
6168. 3
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 3
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

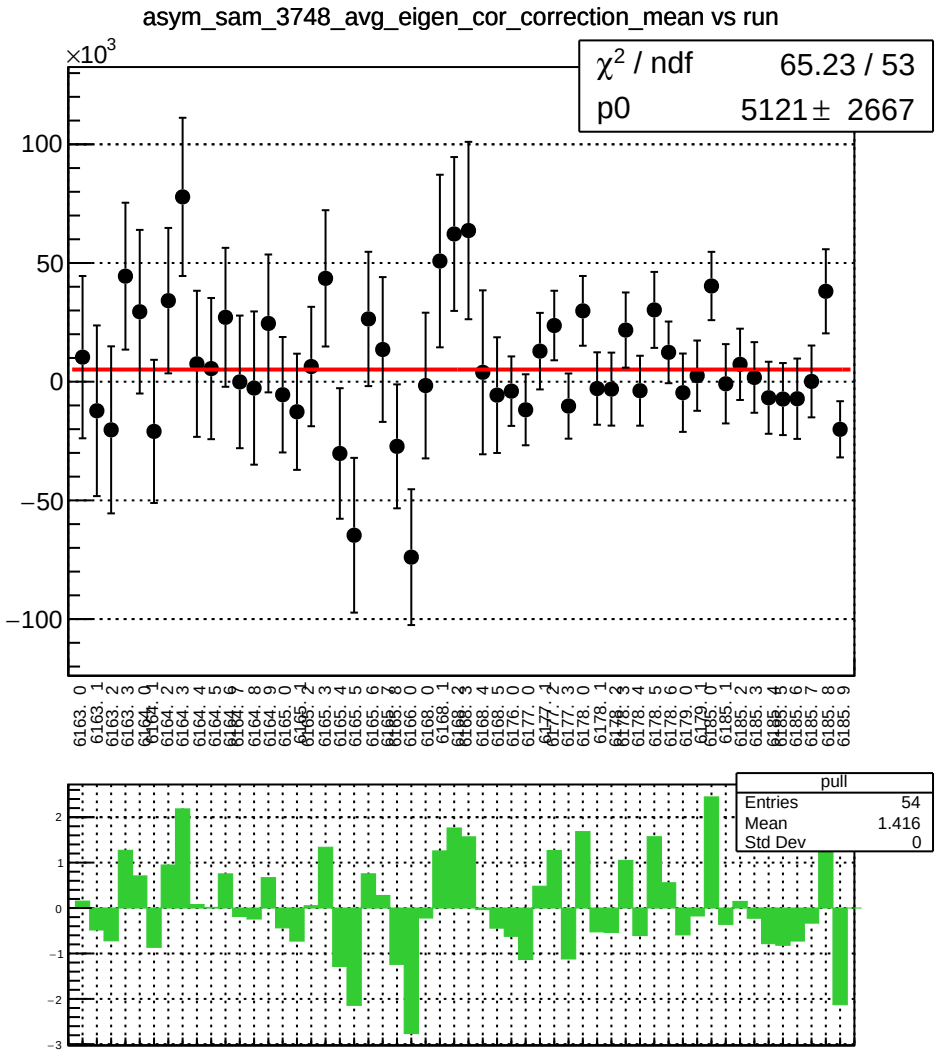

asym_sam_3748_avg_cor_correction_mean vs run
χ² / ndf 65.23 / 53
p0 5121 ± 2667
pull
Entries 54
Mean 1.416
Std Dev 0
pull1D
Entries 54
Mean 0.04384
Std Dev 1.098

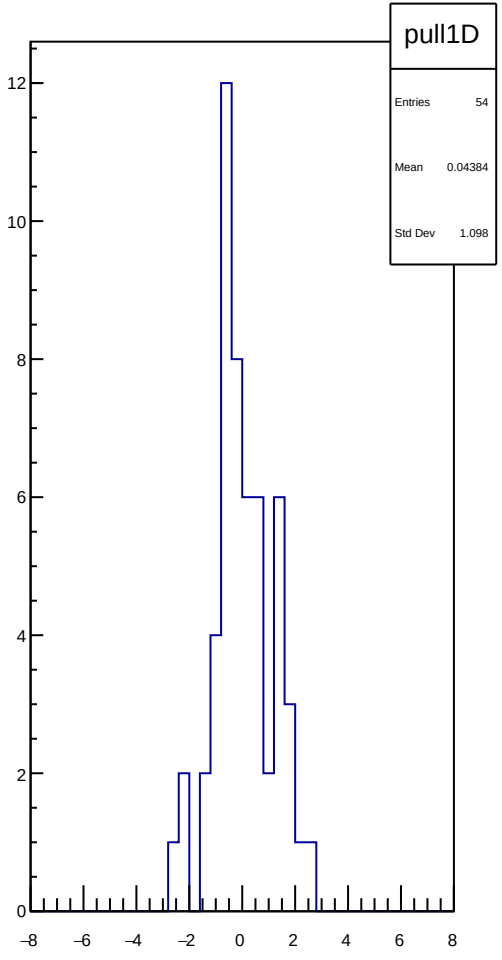

asym_sam_3748_avg_cor_correction_rms vs run
χ² / ndf 1.158e+05 / 53
p0 1806 ± 1.886
3500
3000
2500
2000
1500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

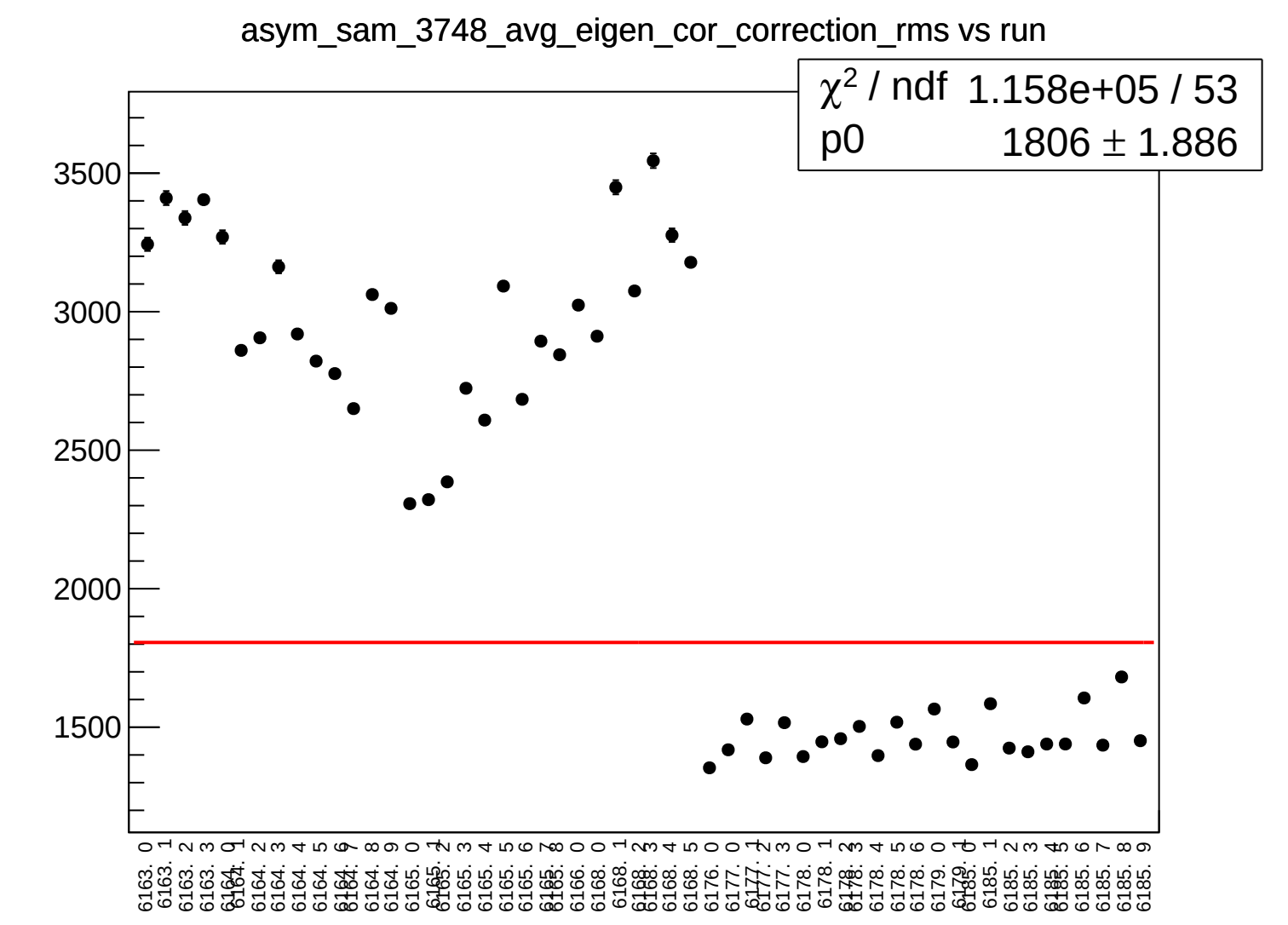

eigen_cor_asym_sam_3748_avg_mean vs run
χ² / ndf 61.65 / 53
p0 −194 ± 142.8
pull
Entries 54
Mean 38.19
Std Dev 45.21

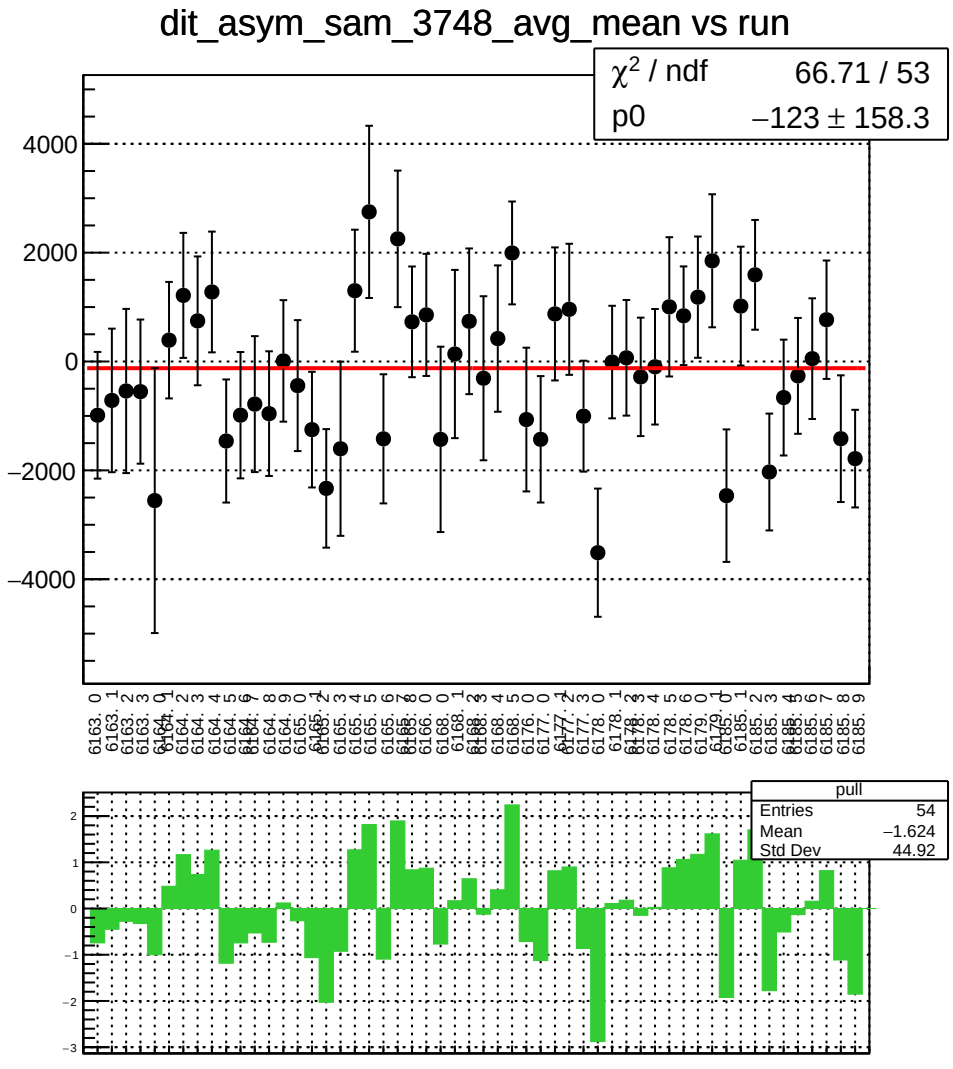

pull1D
Entries 54
Mean −0.0153
Std Dev 1.068

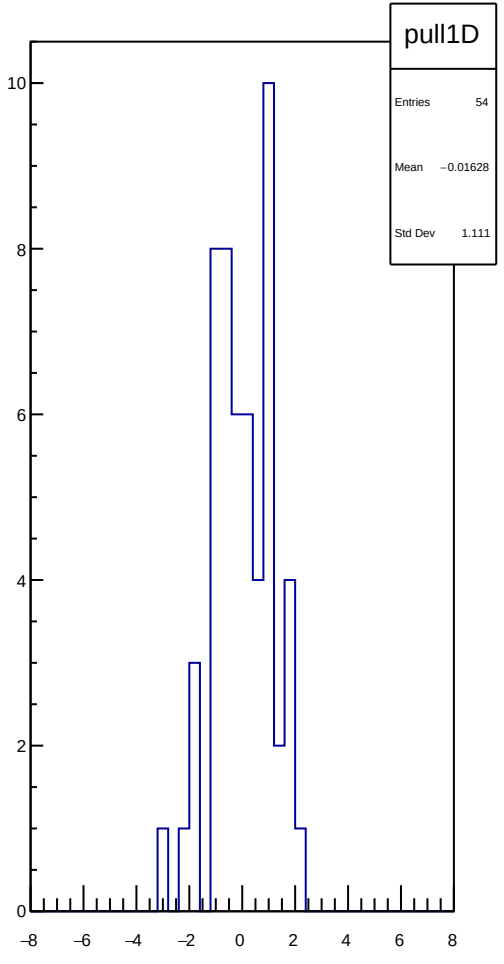

eigen_cor_asym_sam_3748_avg_rms vs run
χ² / ndf 1.214e+04 / 53
p0 102 ± 0.101
180
160
140
120
100
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

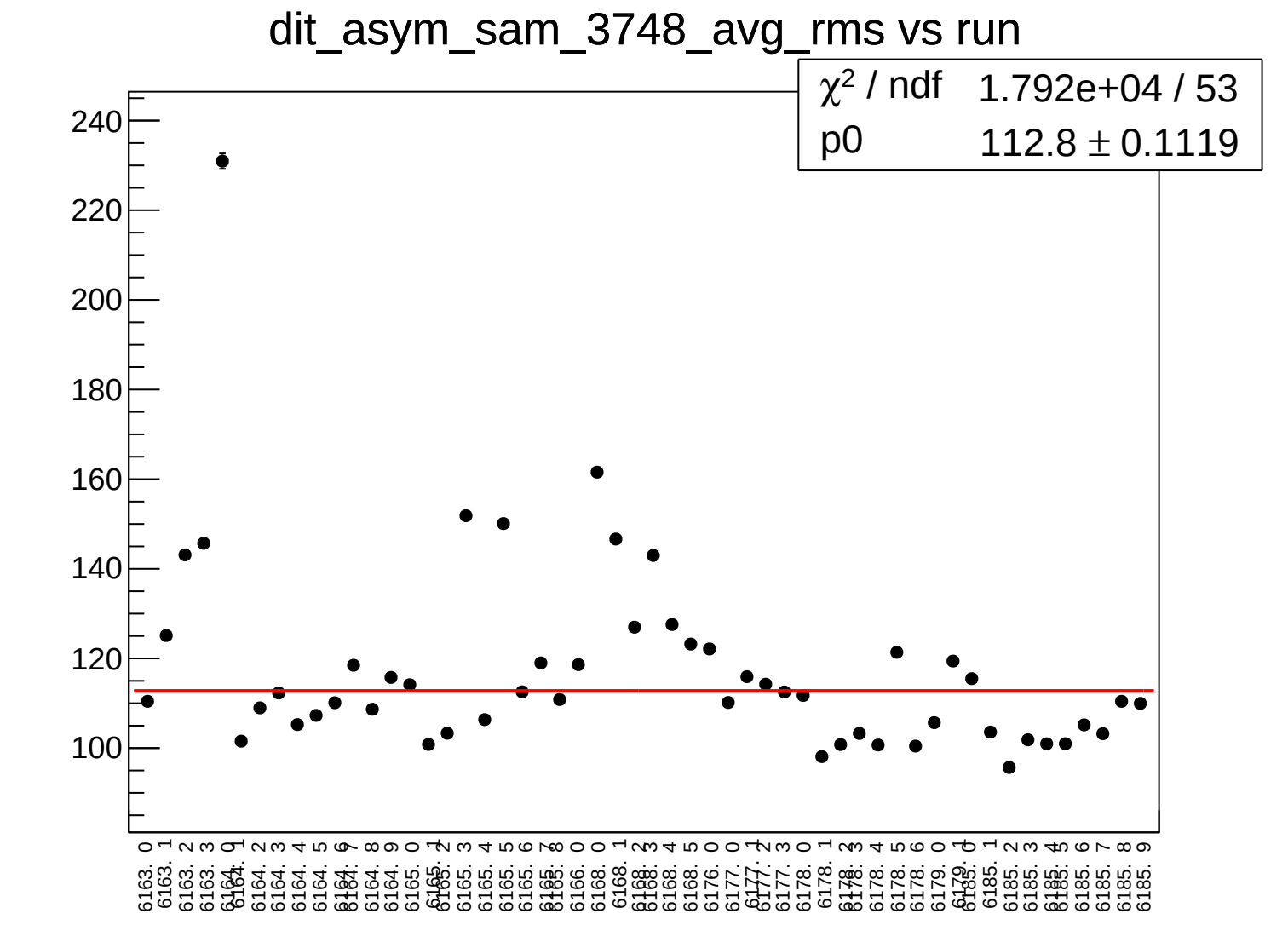

asym_sam_3748_avg_eigen_cor_correction_mean vs run
×10^3
χ^2 / ndf 65.23 / 53
p0 5121 ± 2667
100
50
0
−50
−100
pull
Entries 54
Mean 1.416
Std Dev 0
2
1
0
−1
−2
−3

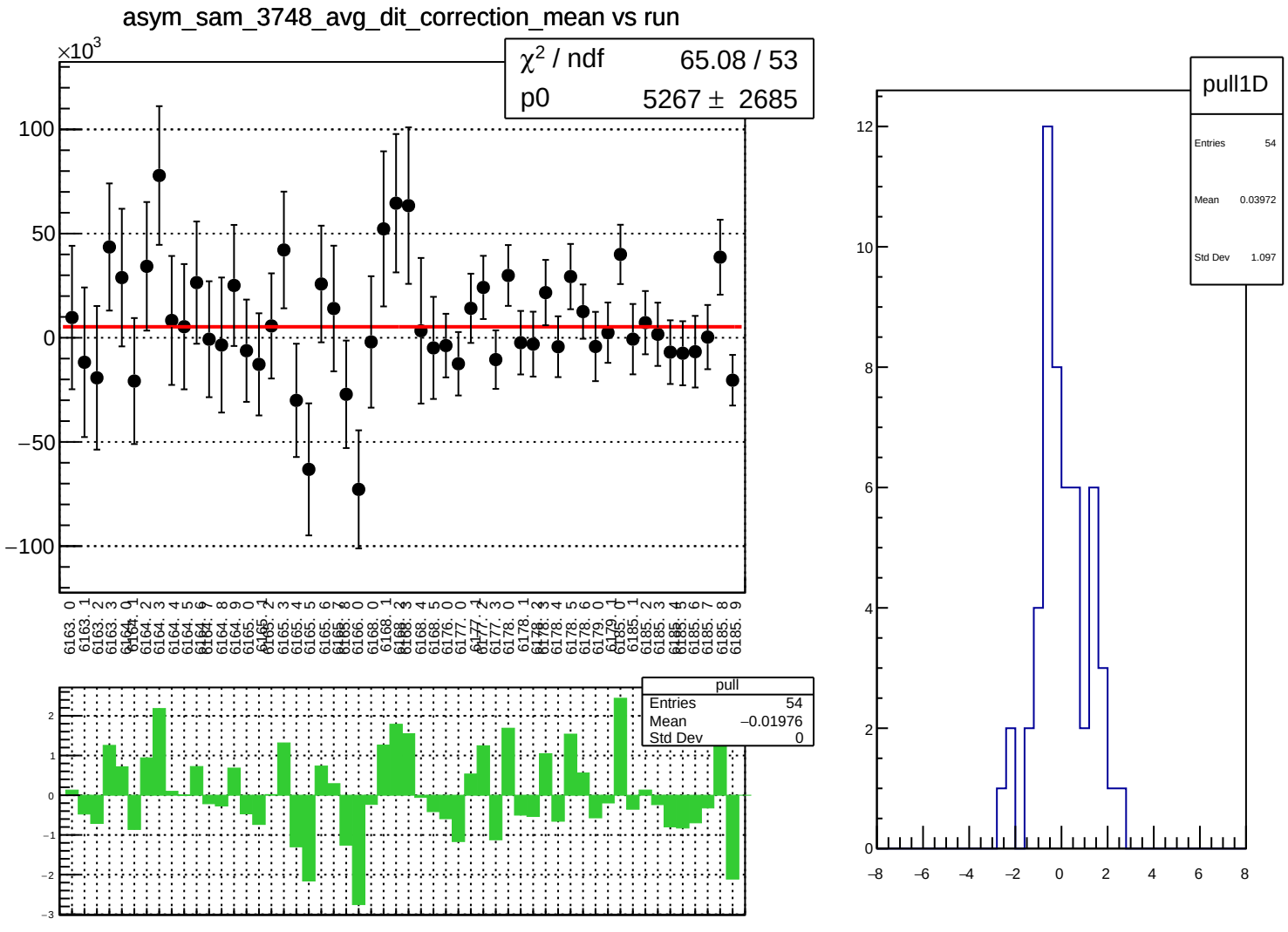

pull1D
Entries 54
Mean 0.04384
Std Dev 1.098
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

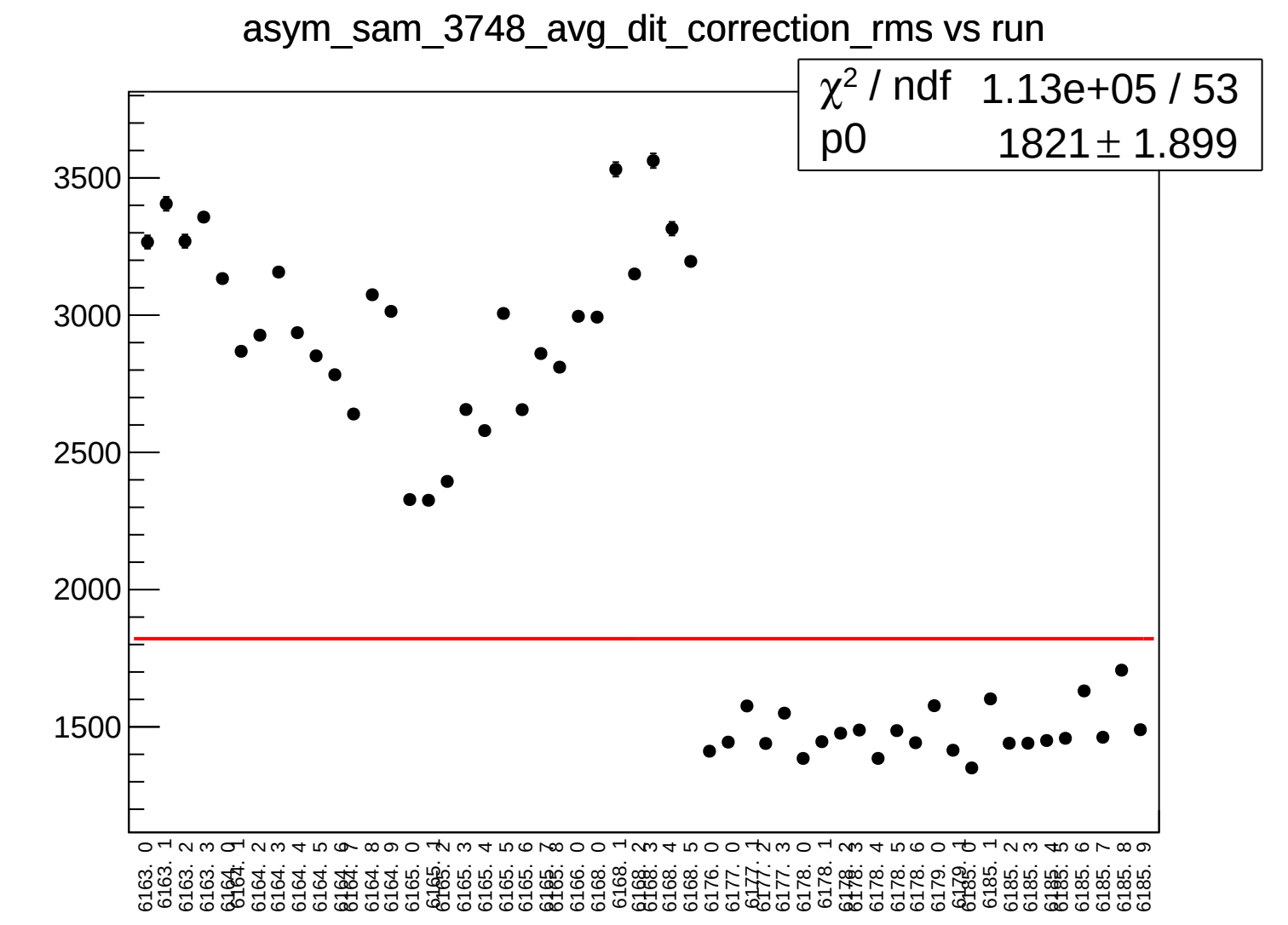

asym_sam_3748_avg_eigen_cor_correction_rms vs run
χ² / ndf 1.158e+05 / 53
p0 1806 ± 1.886
3500
3000
2500
2000
1500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

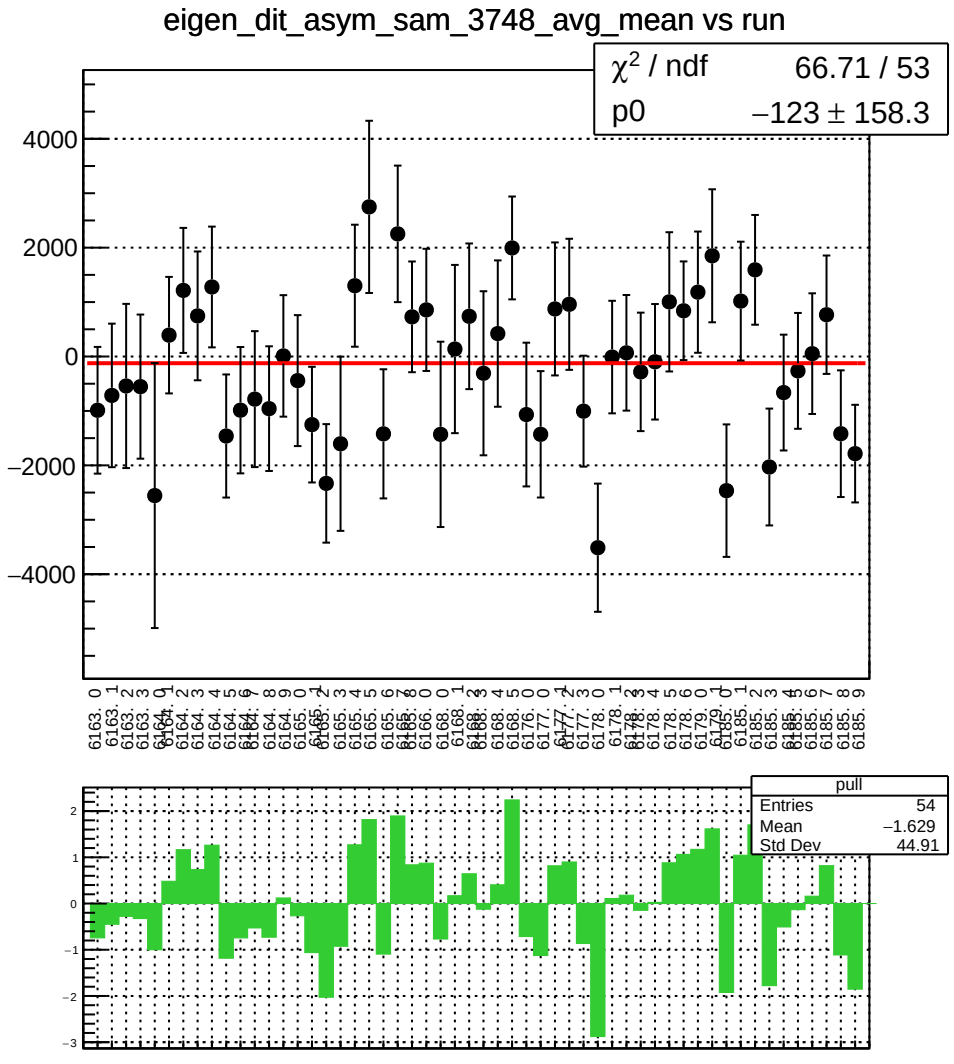

dit_asym_sam_3748_avg_mean vs run
χ² / ndf 66.71 / 53
p0 −123 ± 158.3
4000
2000
0
−2000
−4000
pull
Entries 54
Mean −1.624
Std Dev 44.92
2
1
0
−1
−2
−3

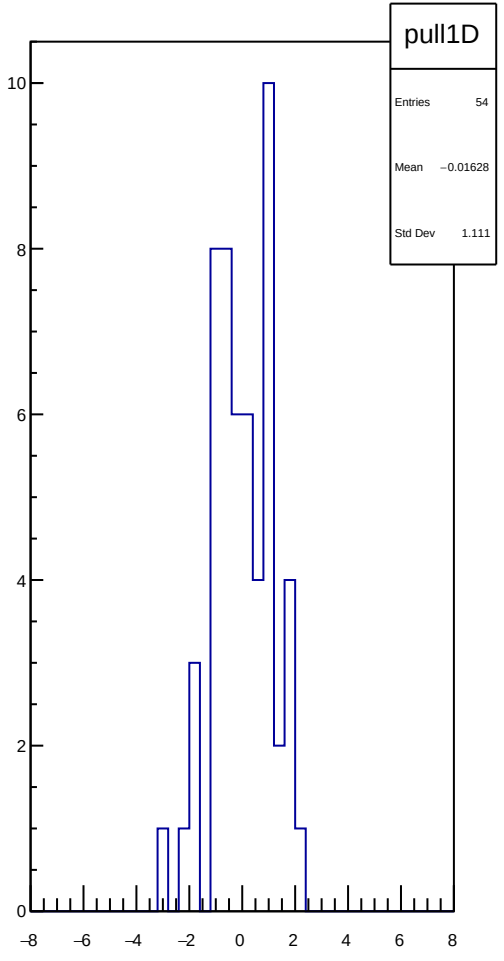

pull1D
Entries 54
Mean −0.01628
Std Dev 1.111
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

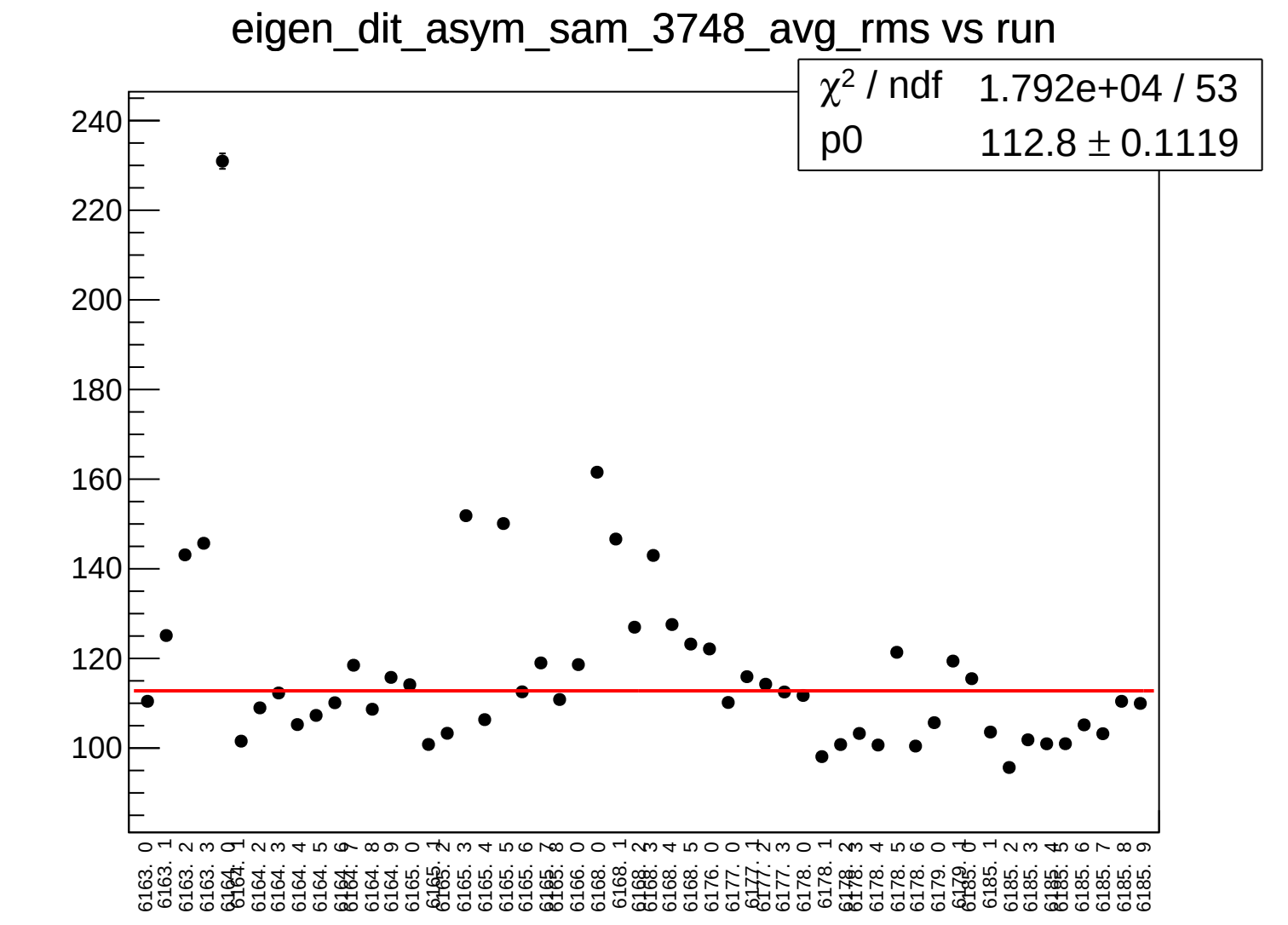

dit_asym_sam_3748_avg_rms vs run
χ² / ndf 1.792e+04 / 53
p0 112.8 ± 0.1119
240
220
200
180
160
140
120
100
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

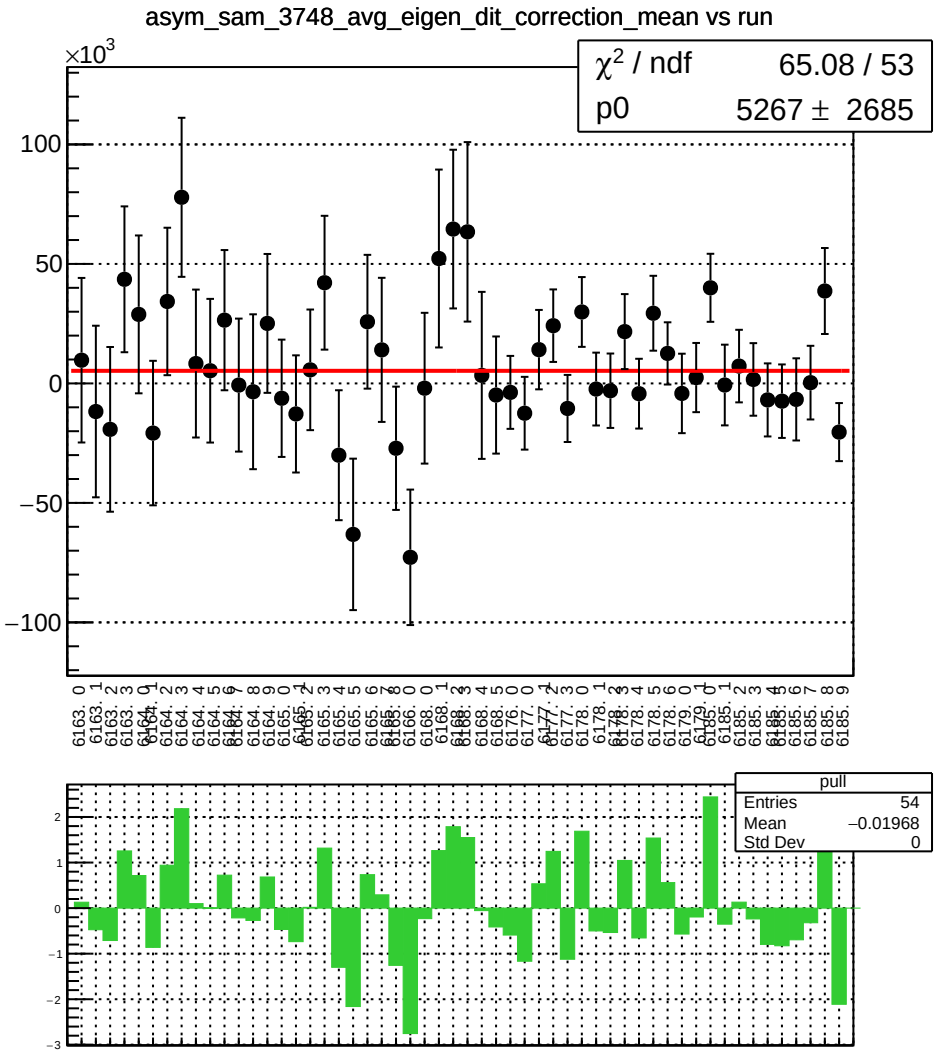

asym_sam_3748_avg_dit_correction_mean vs run
×10^3
χ^2 / ndf 65.08 / 53
p0 5267 ± 2685
100
50
0
−50
−100
pull
Entries 54
Mean −0.01976
Std Dev 0
pull1D
Entries 54
Mean 0.03972
Std Dev 1.097

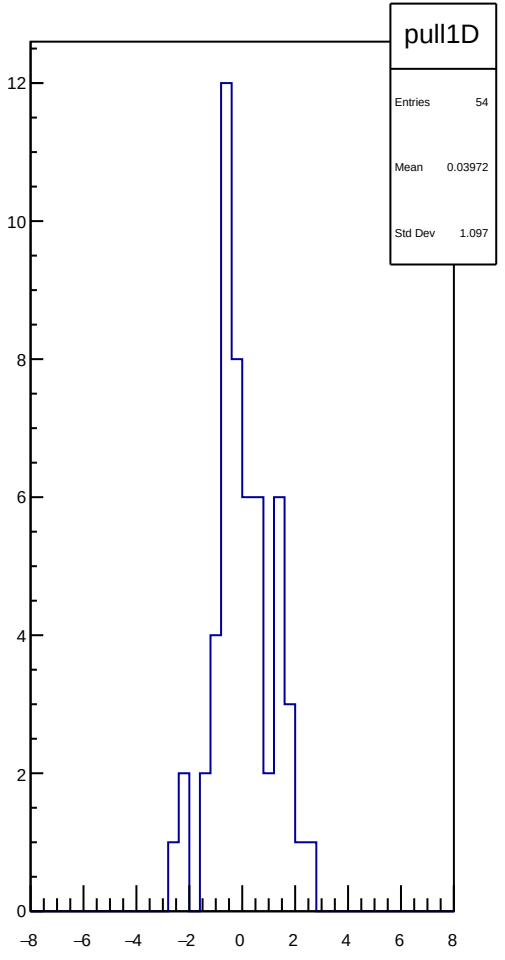

asym_sam_3748_avg_dit_correction_rms vs run
χ² / ndf 1.13e+05 / 53
p0 1821 ± 1.899
3500
3000
2500
2000
1500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

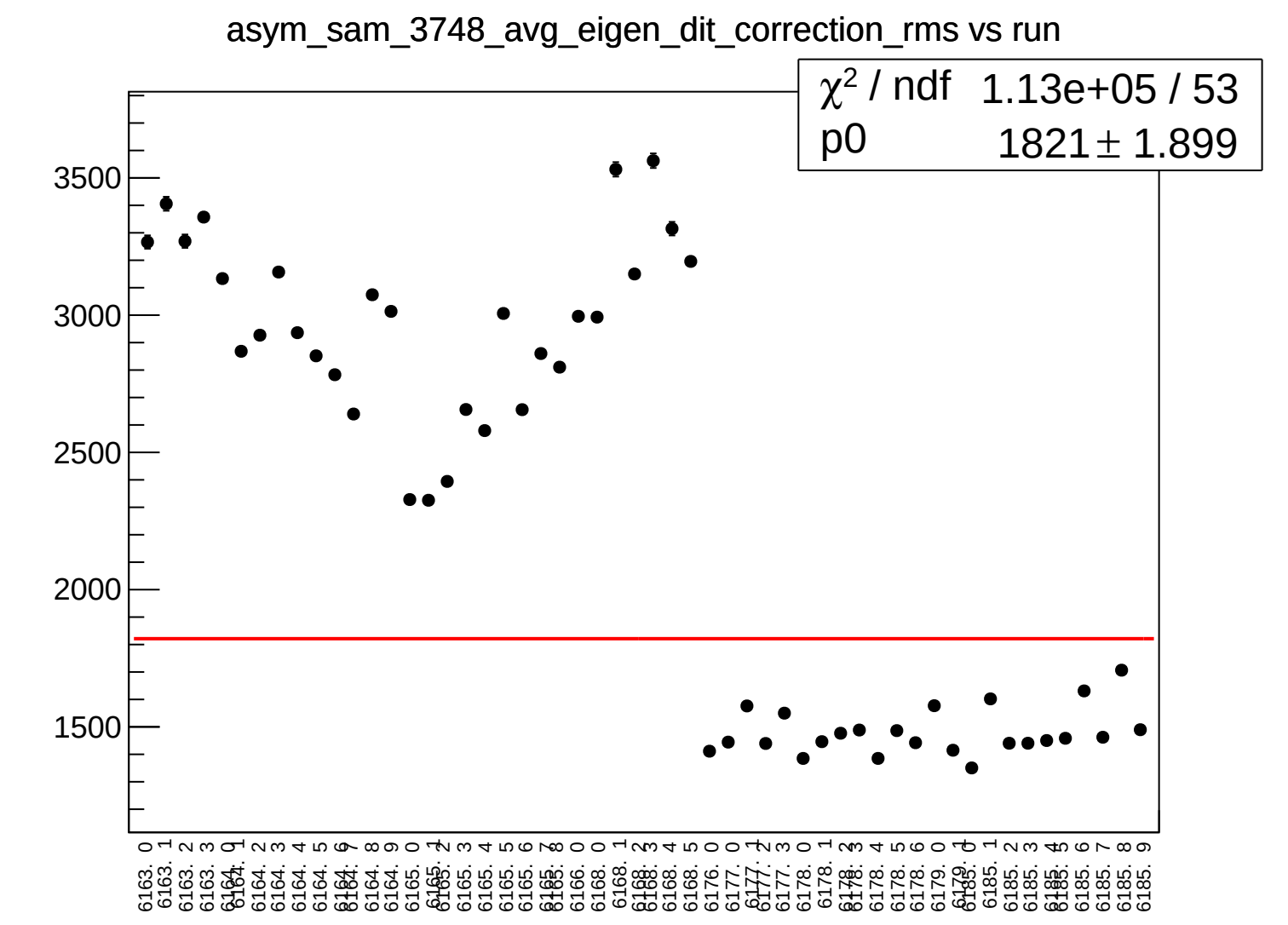

eigen_dit_asym_sam_3748_avg_mean vs run
χ² / ndf 66.71 / 53
p0 −123 ± 158.3
4000
2000
0
−2000
−4000
pull
Entries 54
Mean −1.629
Std Dev 44.91
2
1
0
−1
−2
−3

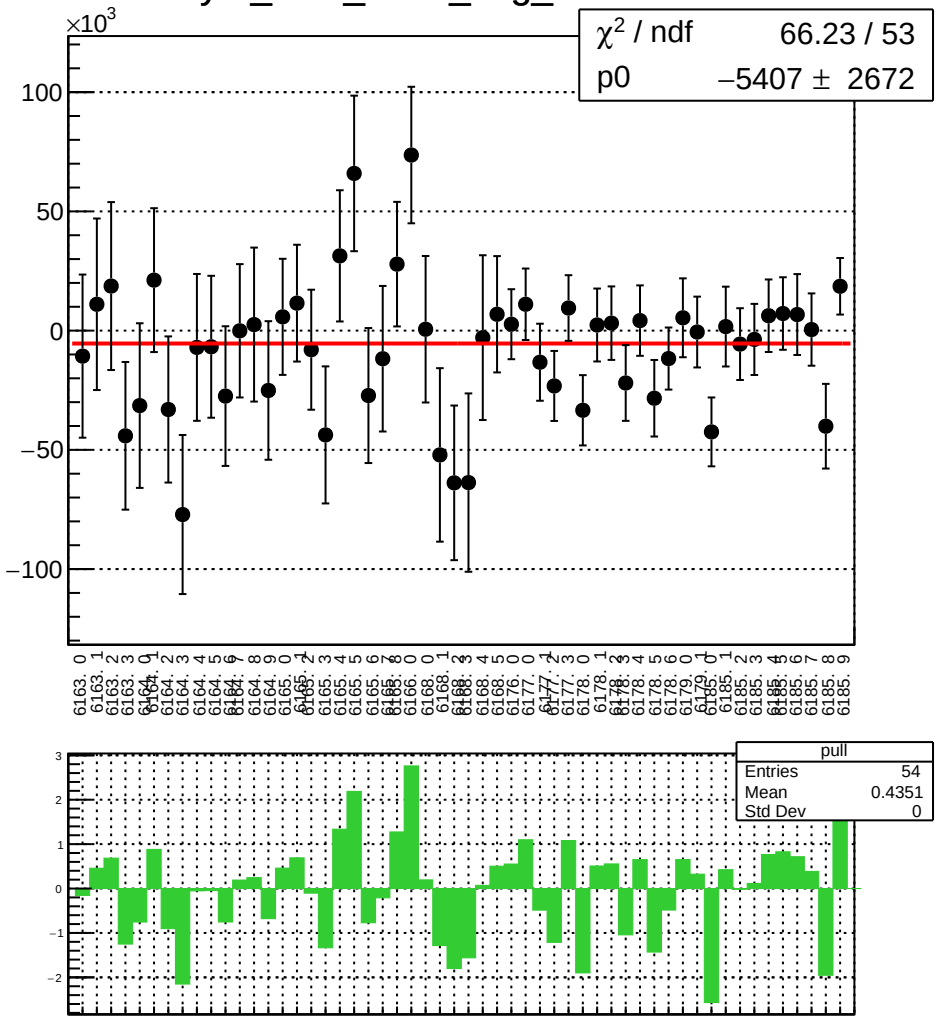

pull1D
Entries 54
Mean −0.01628
Std Dev 1.111
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

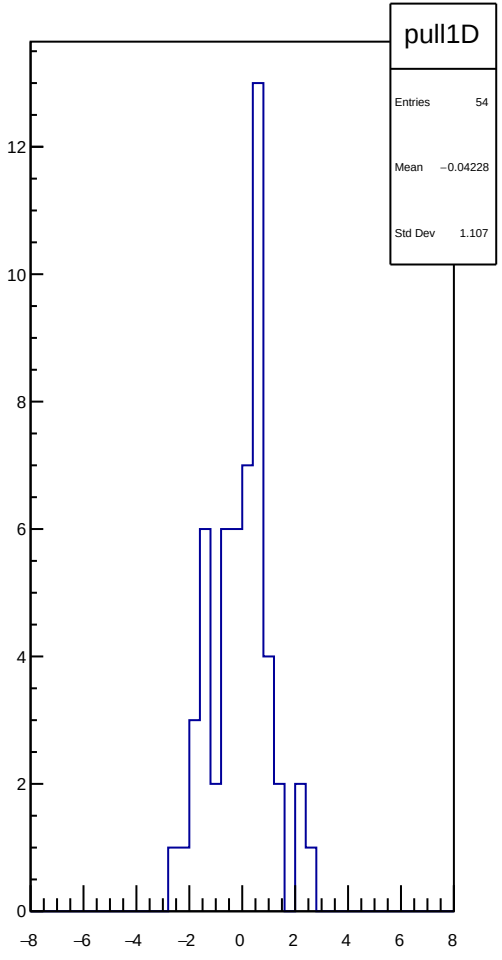

eigen_dit_asym_sam_3748_avg_rms vs run
χ² / ndf 1.792e+04 / 53
p0 112.8 ± 0.1119
240
220
200
180
160
140
120
100
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

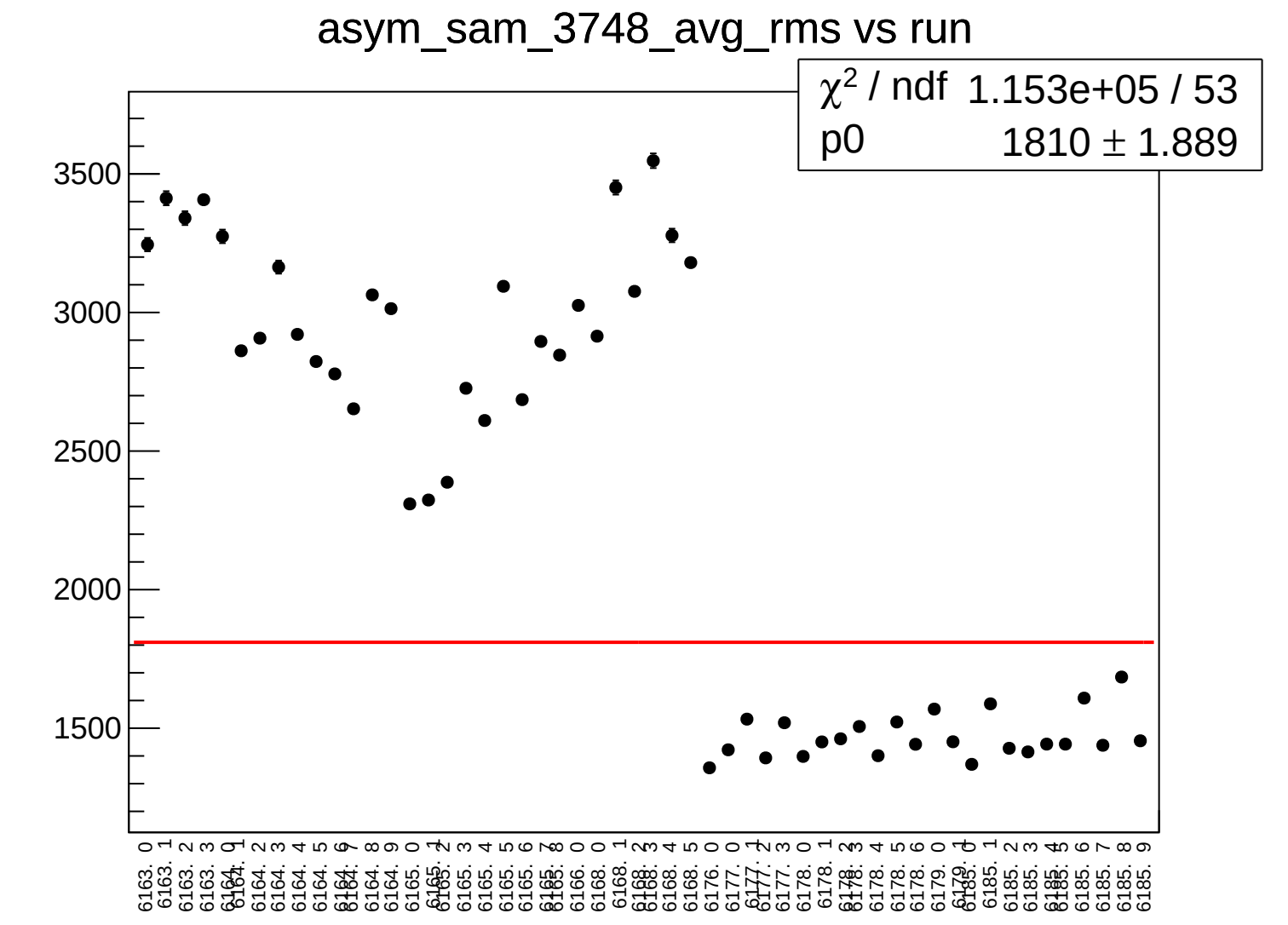

asym_sam_3748_avg_eigen_dit_correction_mean vs run
×10^3
χ^2 / ndf 65.08 / 53
p0 5267 ± 2685
100
50
0
−50
−100
pull
Entries 54
Mean −0.01968
Std Dev 0
2
1
0
−1
−2
−3

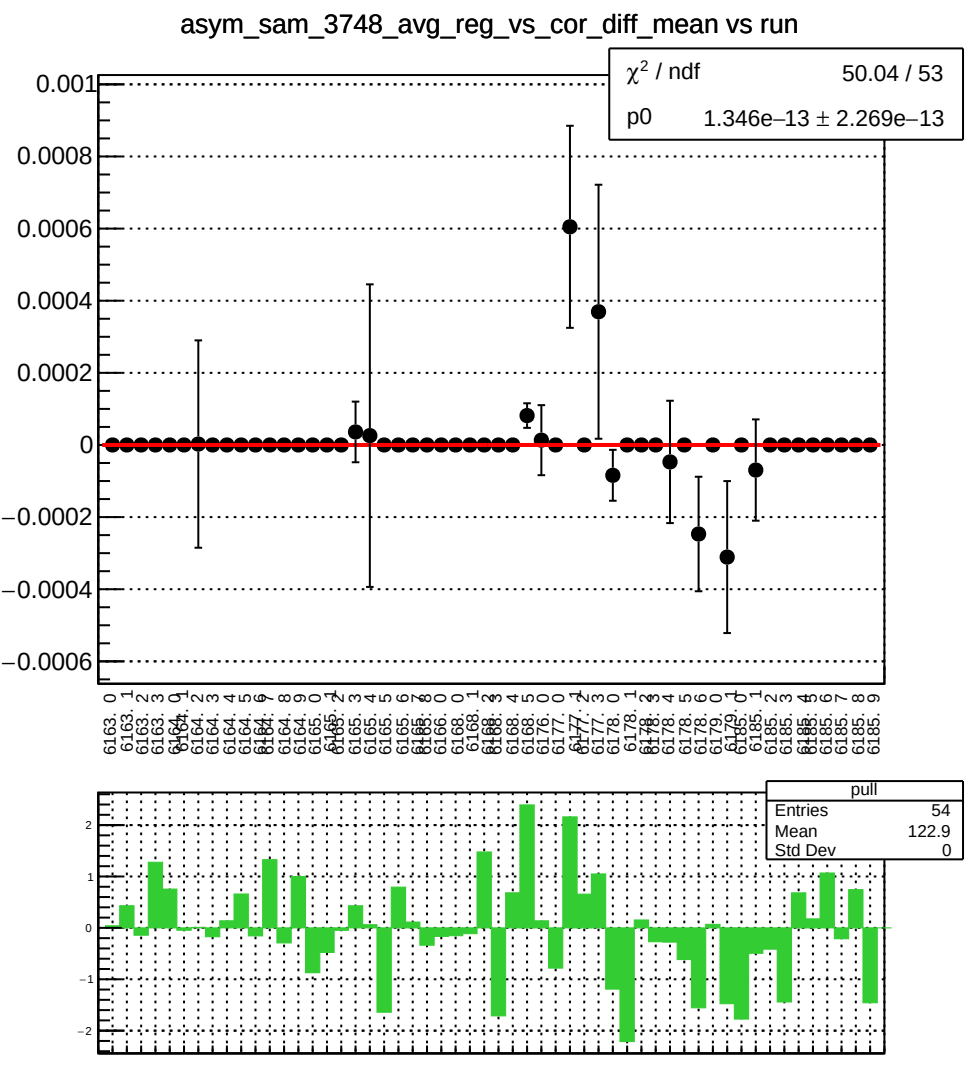

pull1D
Entries 54
Mean 0.03972
Std Dev 1.097
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

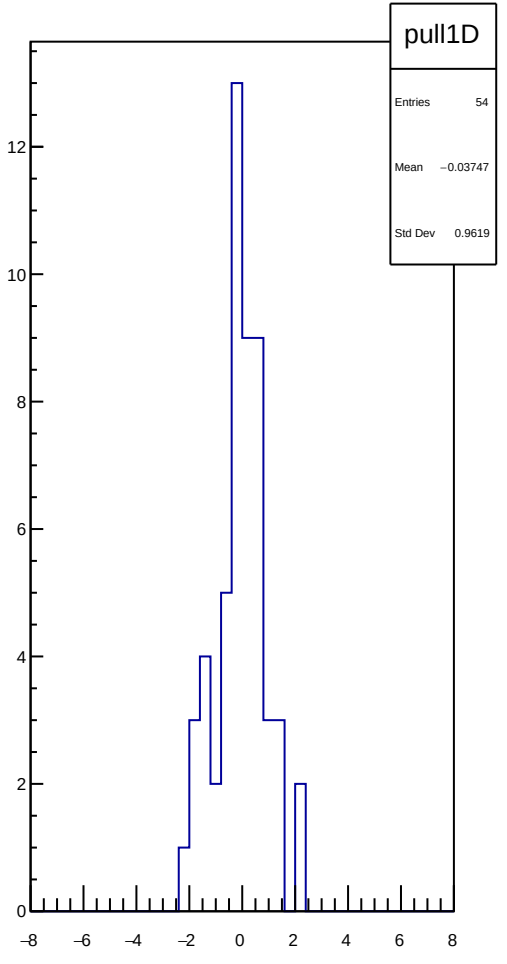

asym_sam_3748_avg_eigen_dit_correction_rms vs run
χ² / ndf 1.13e+05 / 53
p0 1821 ± 1.899
3500
3000
2500
2000
1500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

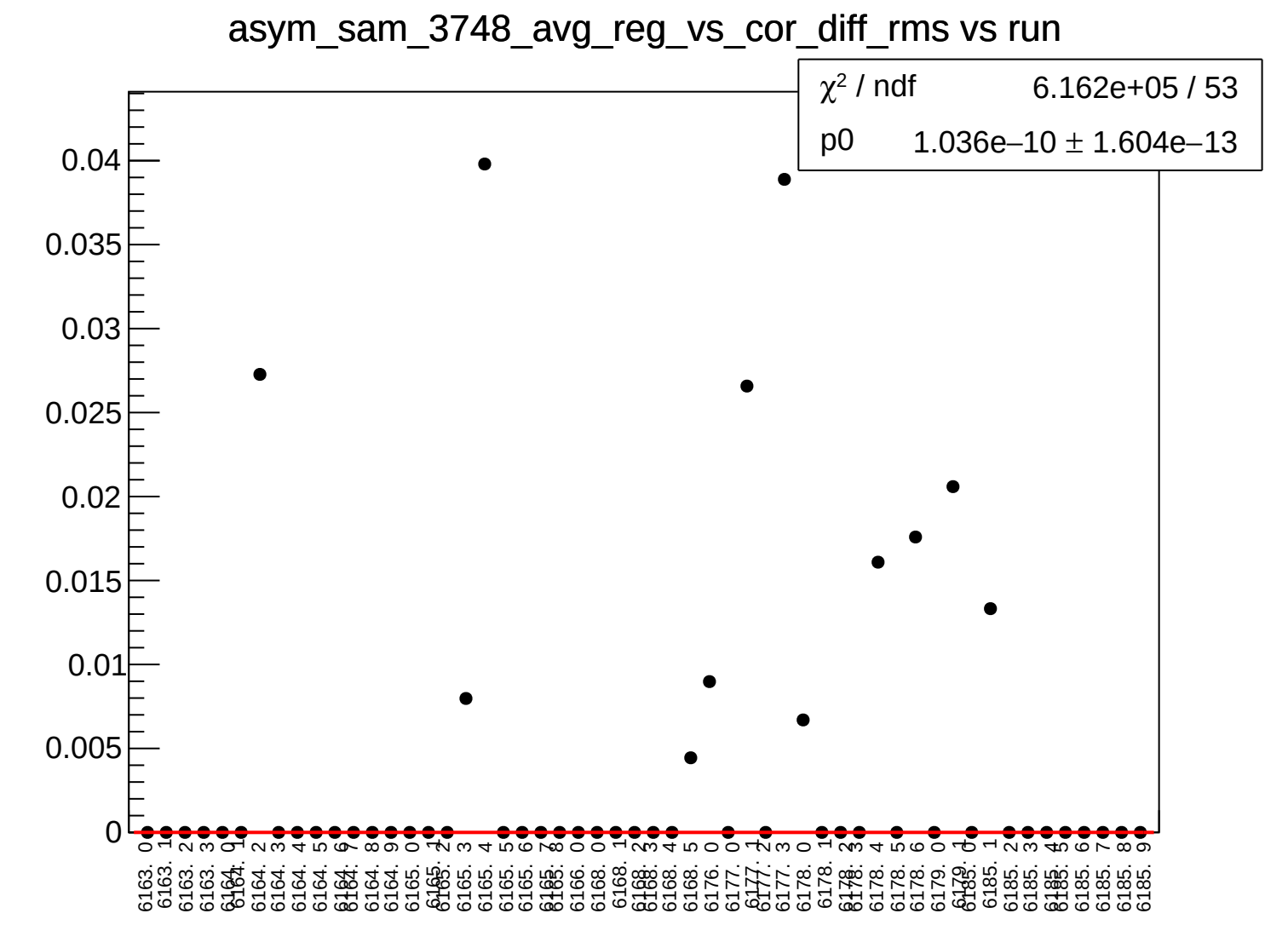

asym_sam_3748_avg_mean vs run
×10^3
χ² / ndf 66.23 / 53
p0 −5407 ± 2672
100
50
0
−50
−100
pull
Entries 54
Mean 0.4351
Std Dev 0
3
2
1
0
−1
−2

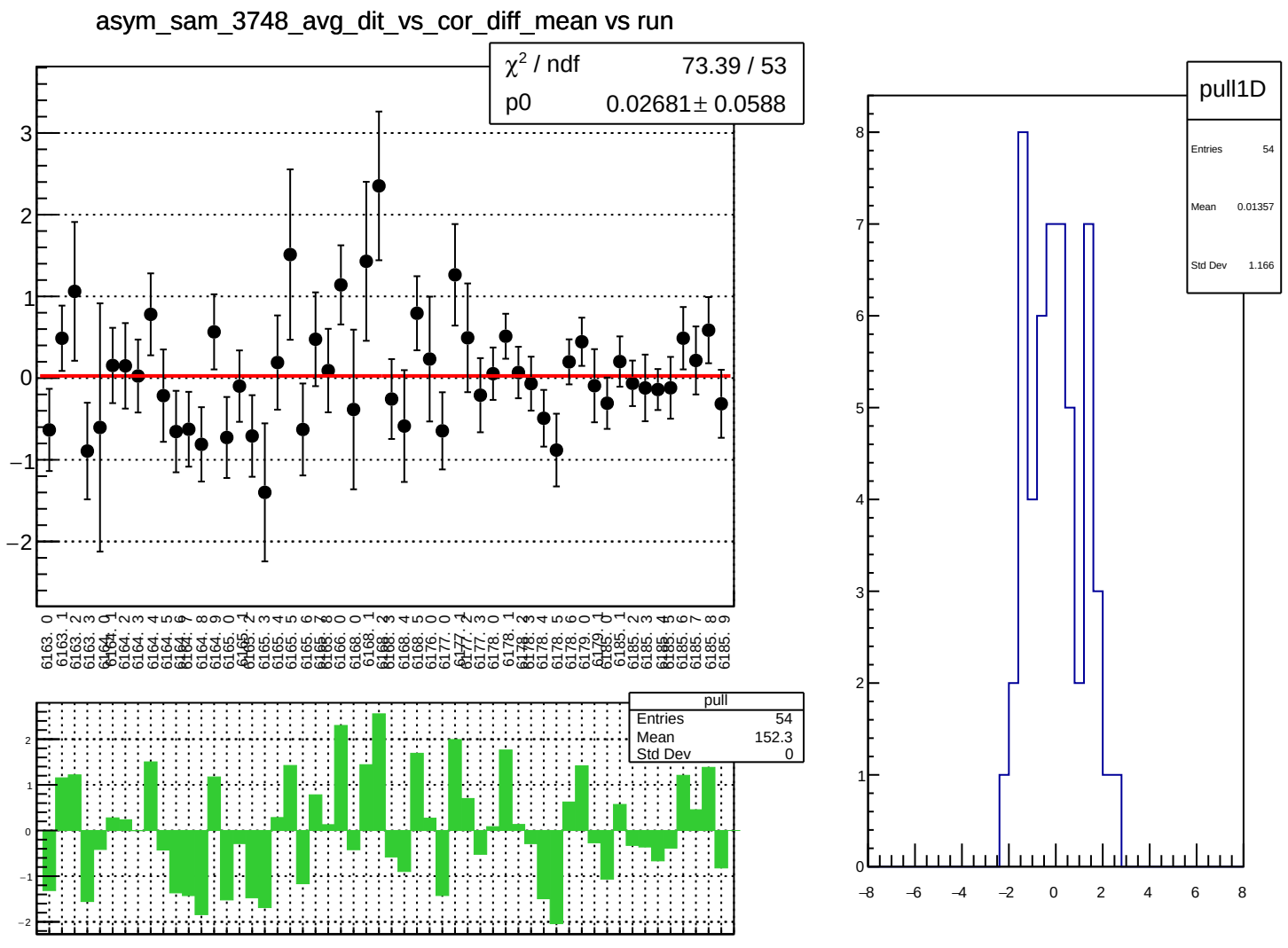

pull1D
Entries 54
Mean −0.04228
Std Dev 1.107
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

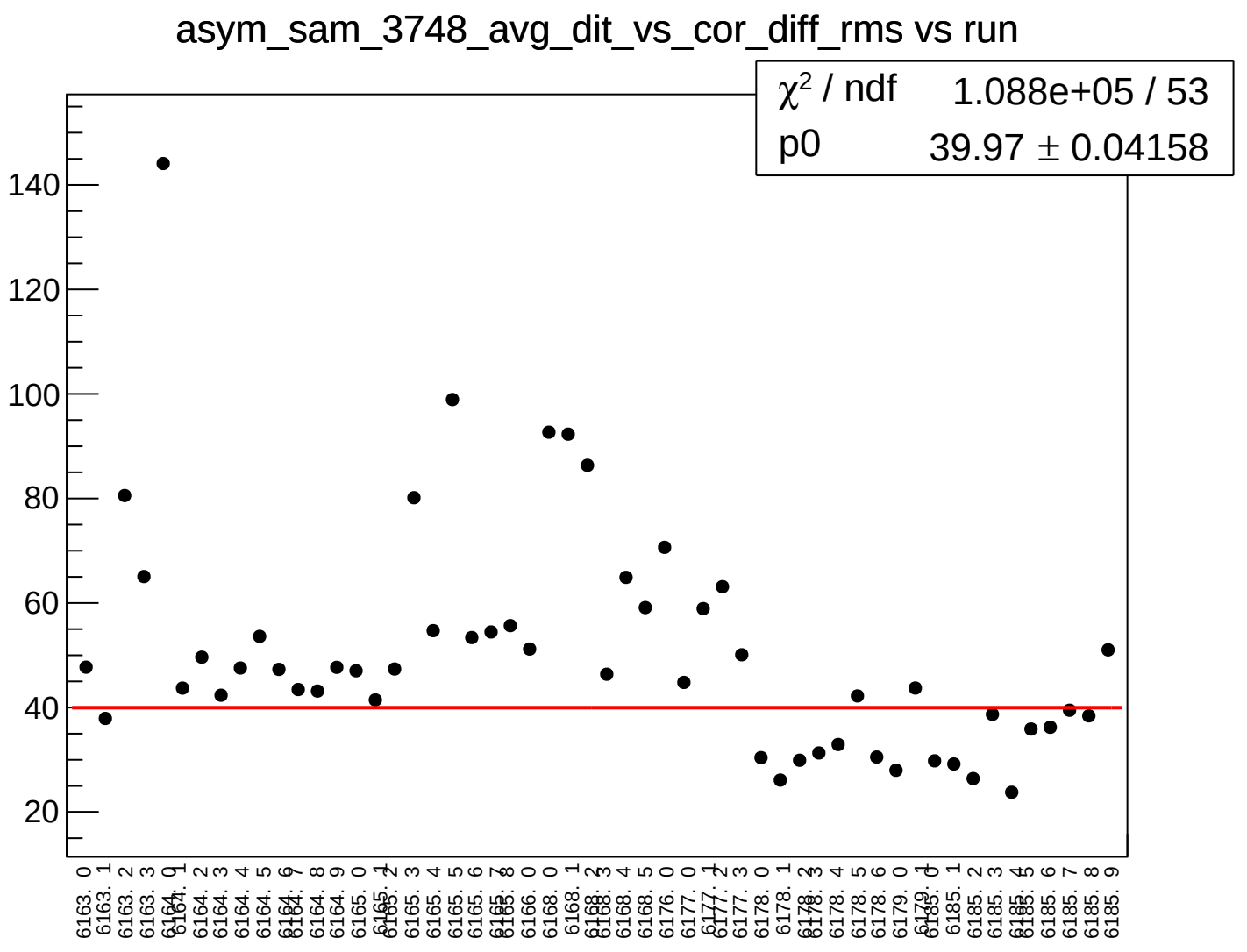

asym_sam_3748_avg_rms vs run
χ² / ndf 1.153e+05 / 53
p0 1810 ± 1.889
3500
3000
2500
2000
1500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

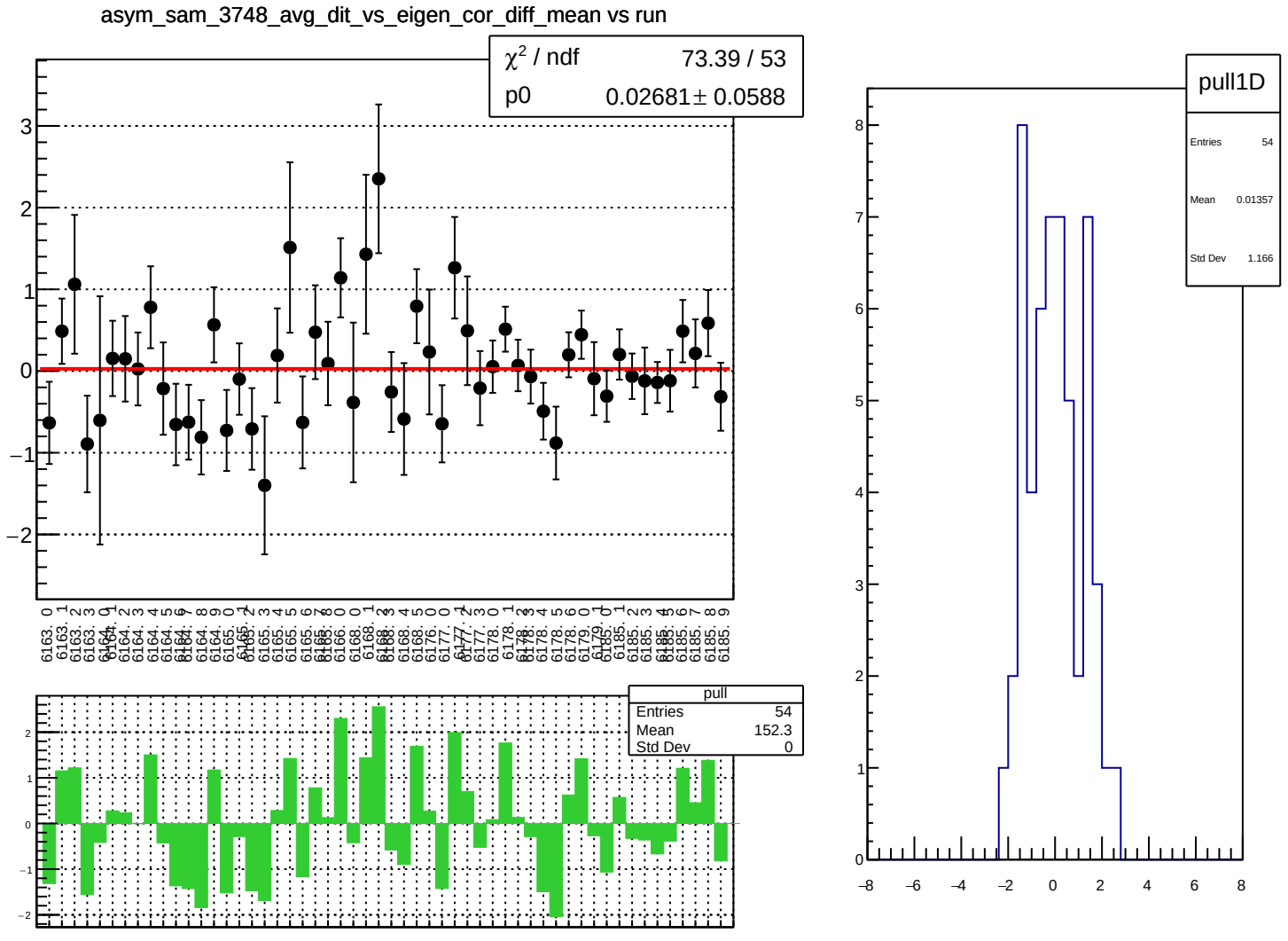

asym_sam_3748_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 50.04 / 53
p0 1.346e−13 ± 2.269e−13
0.001
0.0008
0.0006
0.0004
0.0002
0
−0.0002
−0.0004
−0.0006
pull
Entries 54
Mean 122.9
Std Dev 0
2
1
0
−1
−2

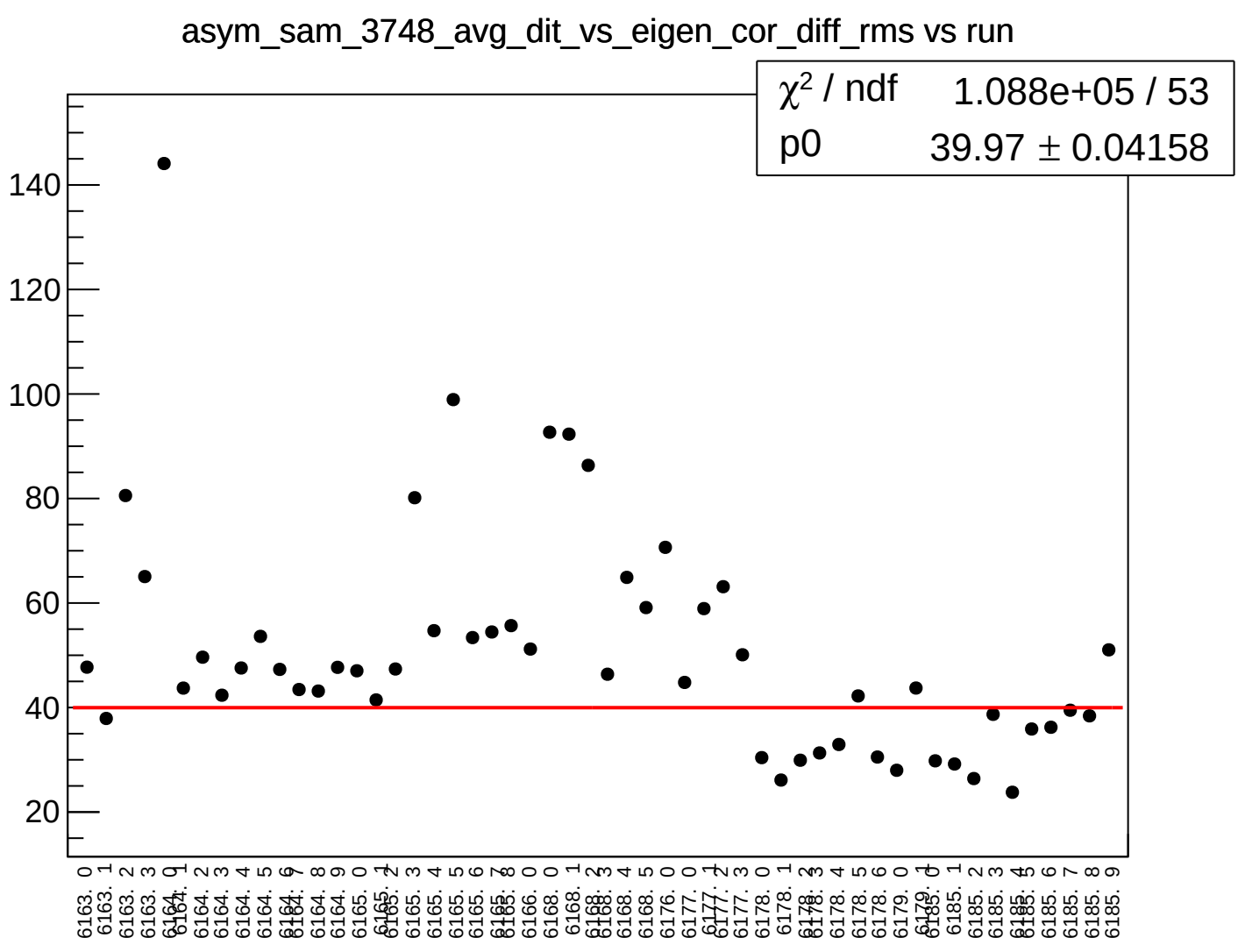

pull1D
Entries 54
Mean −0.03747
Std Dev 0.9619
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

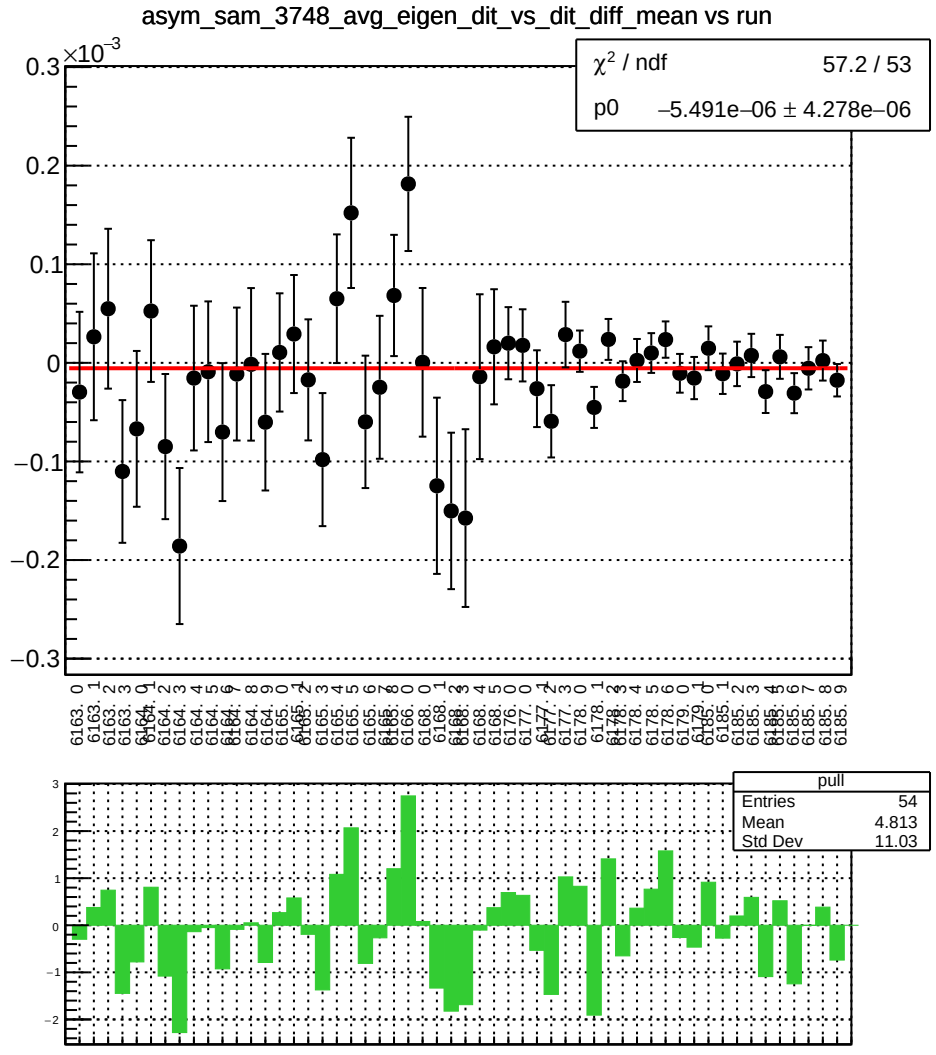

asym_sam_3748_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.162e+05 / 53
p0 1.036e−10 ± 1.604e−13
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 6
6164. 7
6164. 8
6164. 9
6165. 0
6165. 1
6165. 2
6165. 3
6165. 4
6165. 5
6165. 6
6165. 7
6165. 8
6166. 0
6168. 0
6168. 1
6168. 2
6168. 3
6168. 4
6168. 5
6176. 0
6177. 0
6177. 1
6177. 2
6177. 3
6178. 0
6178. 1
6178. 2
6178. 3
6178. 4
6178. 5
6178. 6
6179. 0
6179. 1
6185. 0
6185. 1
6185. 2
6185. 3
6185. 4
6185. 5
6185. 6
6185. 7
6185. 8
6185. 9

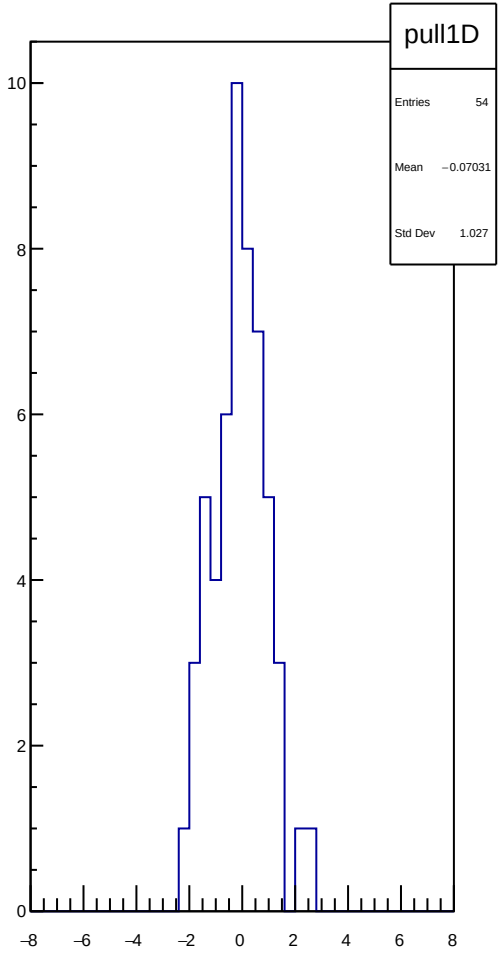

asym_sam_3748_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 73.39 / 53
p0 0.02681 ± 0.0588
pull
Entries 54
Mean 152.3
Std Dev 0
pull1D
Entries 54
Mean 0.01357
Std Dev 1.166

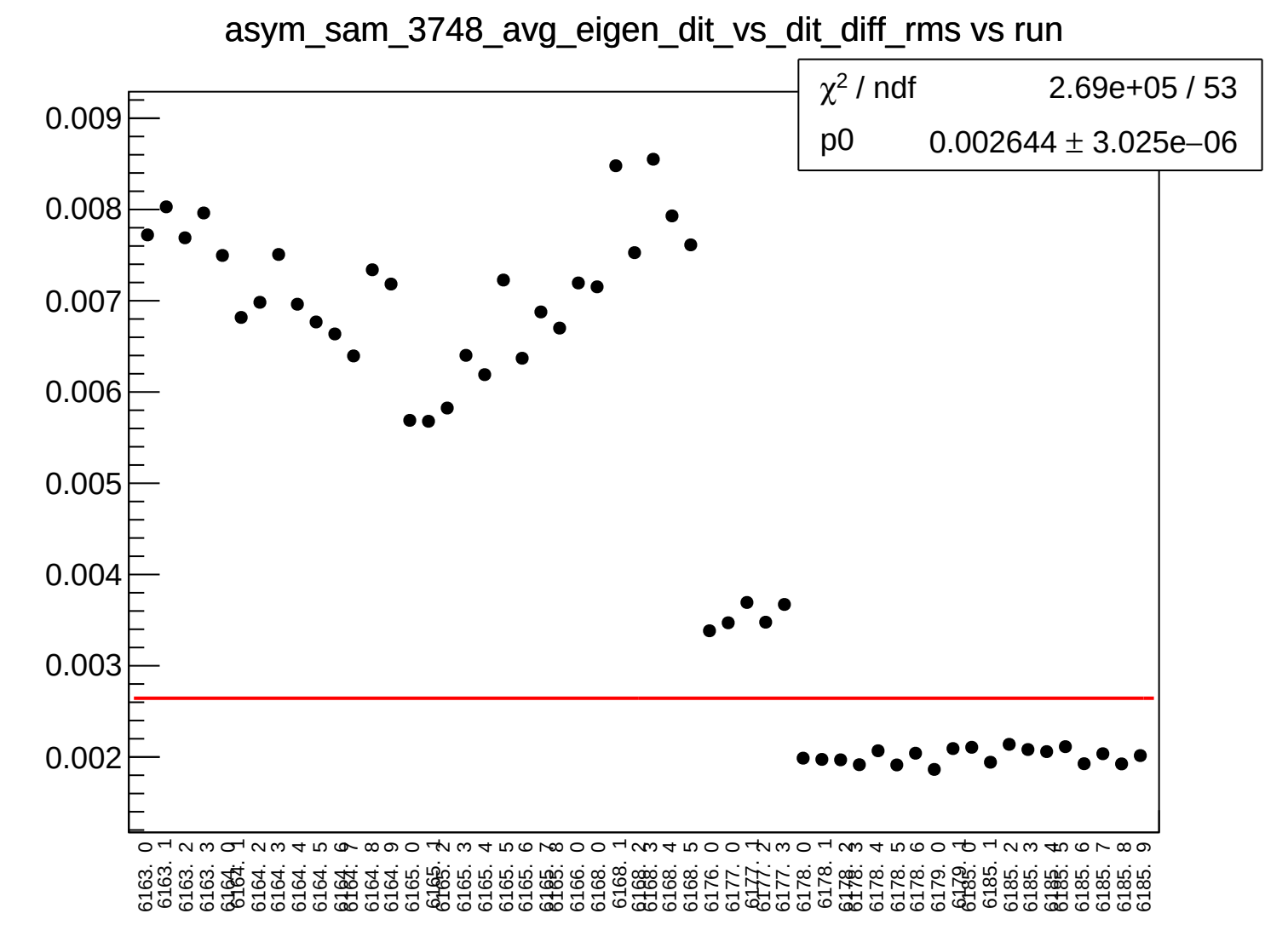

asym_sam_3748_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.088e+05 / 53
p0 39.97 ± 0.04158
140
120
100
80
60
40
20
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

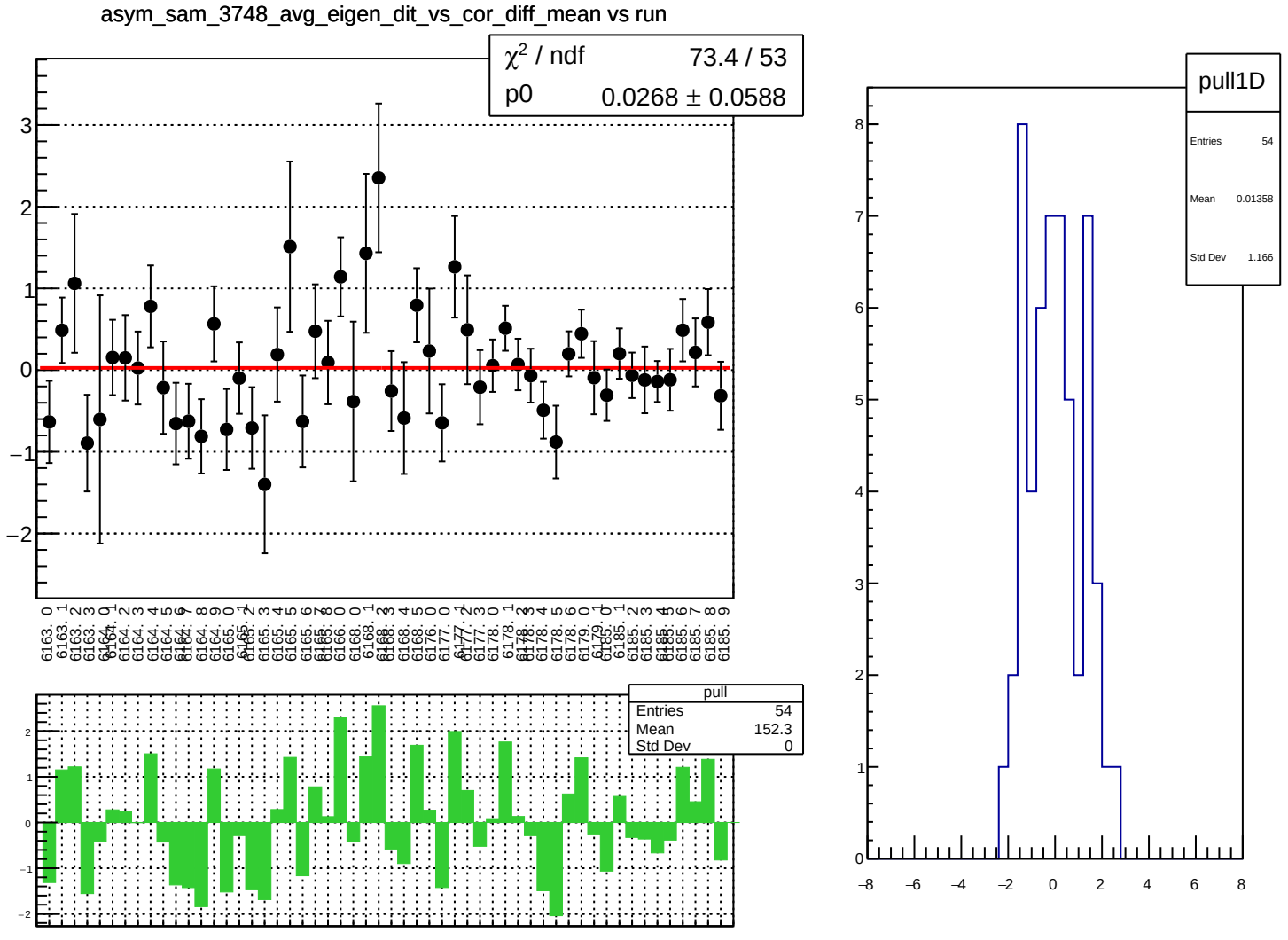

asym_sam_3748_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 73.39 / 53
p0 0.02681 ± 0.0588
pull
Entries 54
Mean 152.3
Std Dev 0
pull1D
Entries 54
Mean 0.01357
Std Dev 1.166

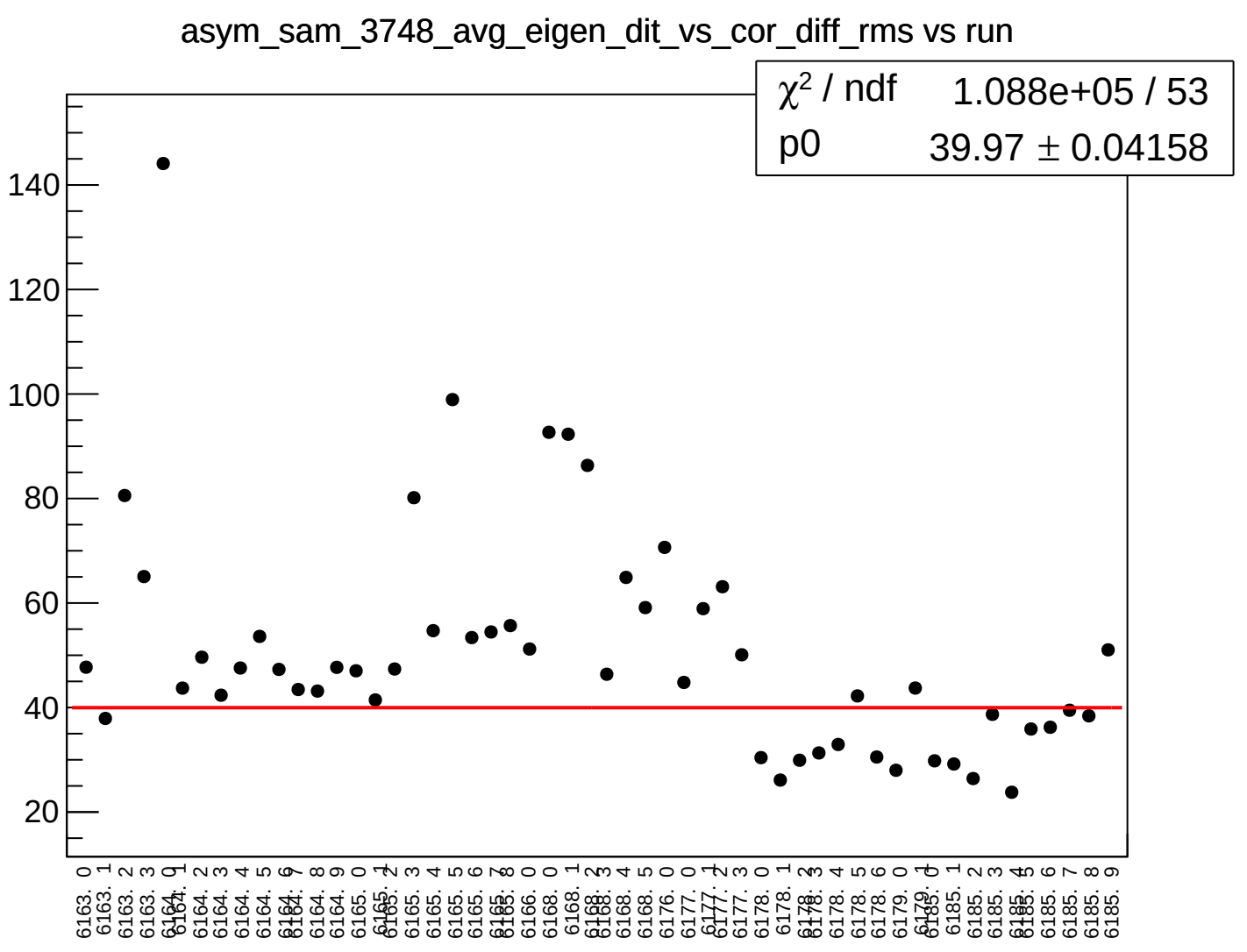

asym_sam_3748_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.088e+05 / 53
p0 39.97 ± 0.04158
140
120
100
80
60
40
20
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

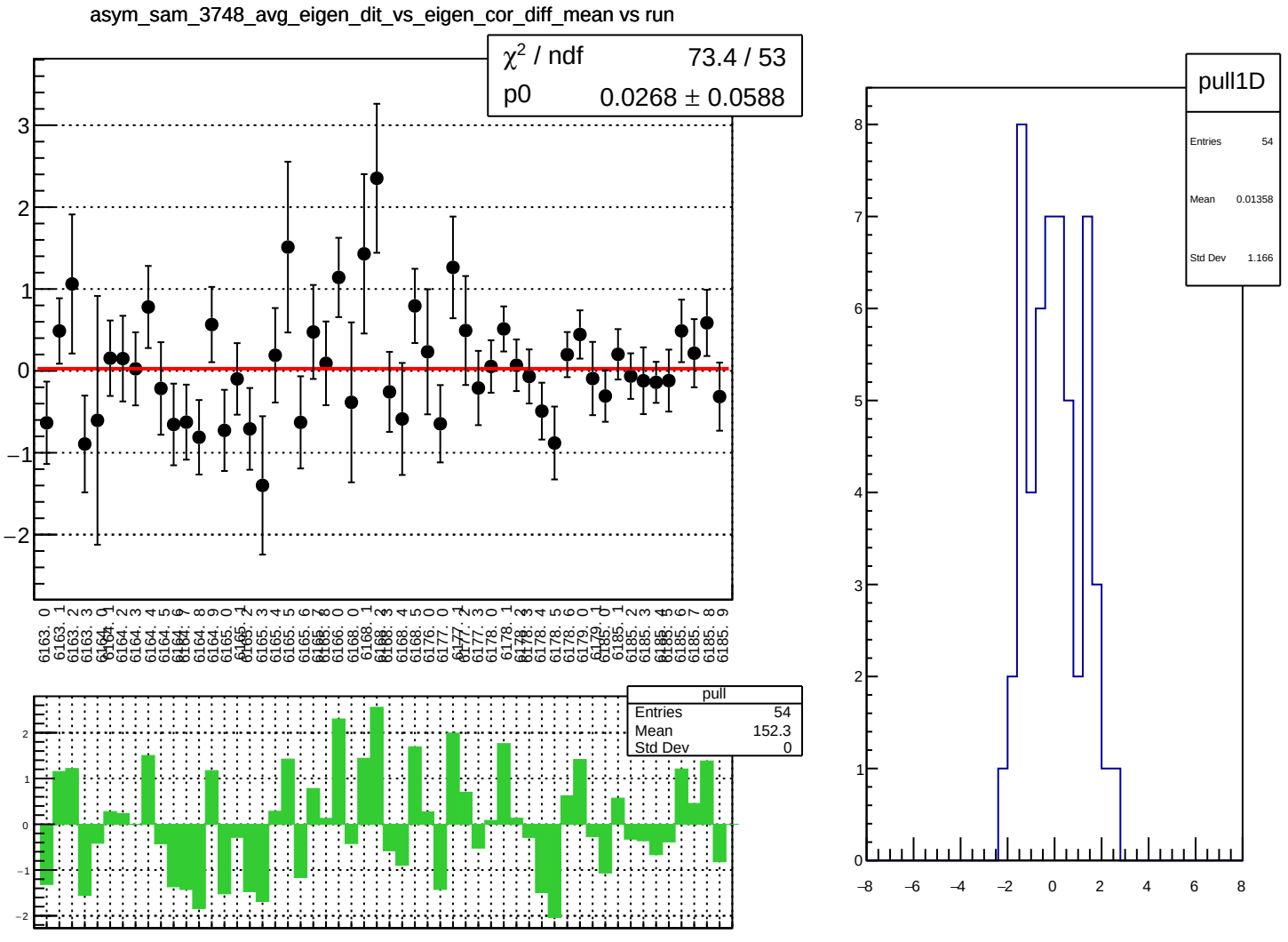

asym_sam_3748_avg_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 57.2 / 53
p0 −5.491e−06 ± 4.278e−06
×10⁻³
pull
Entries 54
Mean 4.813
Std Dev 11.03

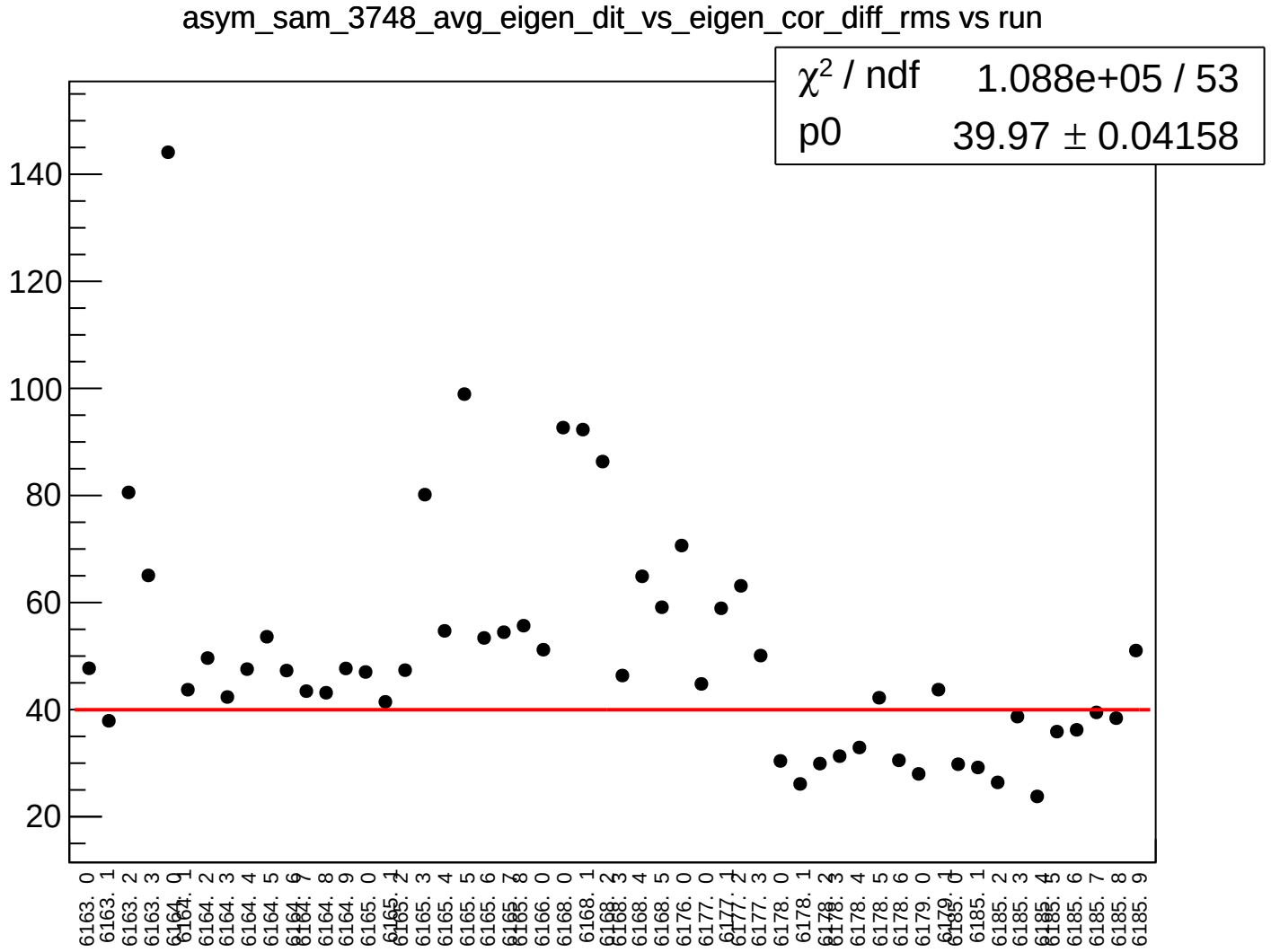

pull1D
Entries 54
Mean −0.07031
Std Dev 1.027

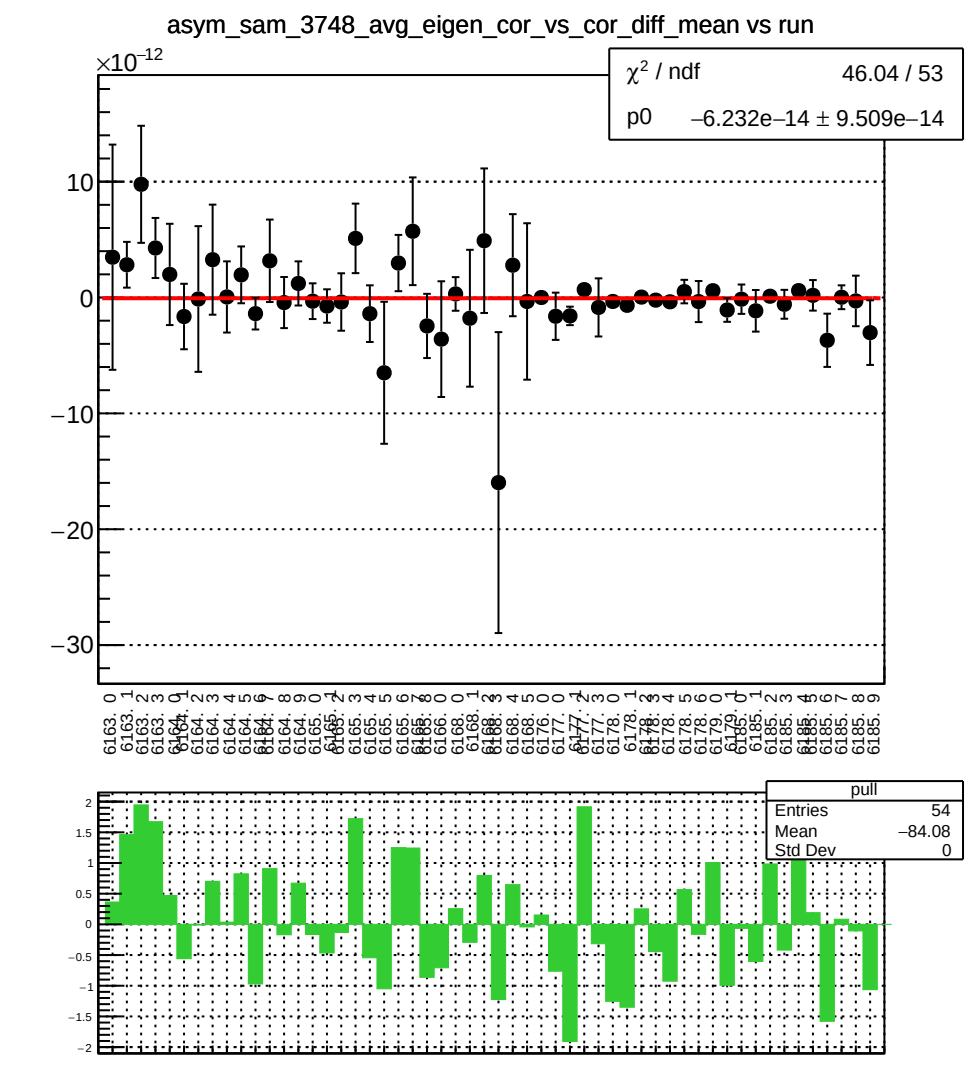

asym_sam_3748_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.69e+05 / 53
p0 0.002644 ± 3.025e−06
0.009
0.008
0.007
0.006
0.005
0.004
0.003
0.002
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

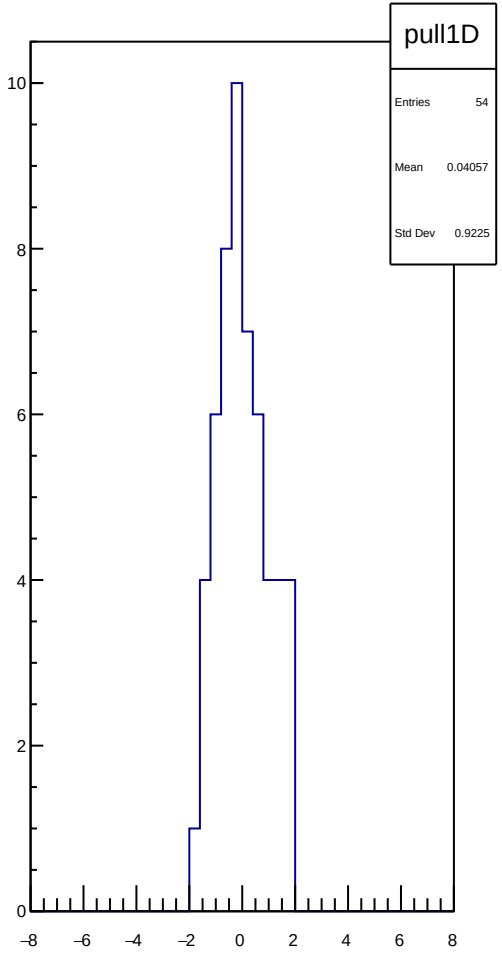

asym_sam_3748_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 73.4 / 53
p0 0.0268 ± 0.0588
pull
Entries 54
Mean 152.3
Std Dev 0
pull1D
Entries 54
Mean 0.01358
Std Dev 1.166

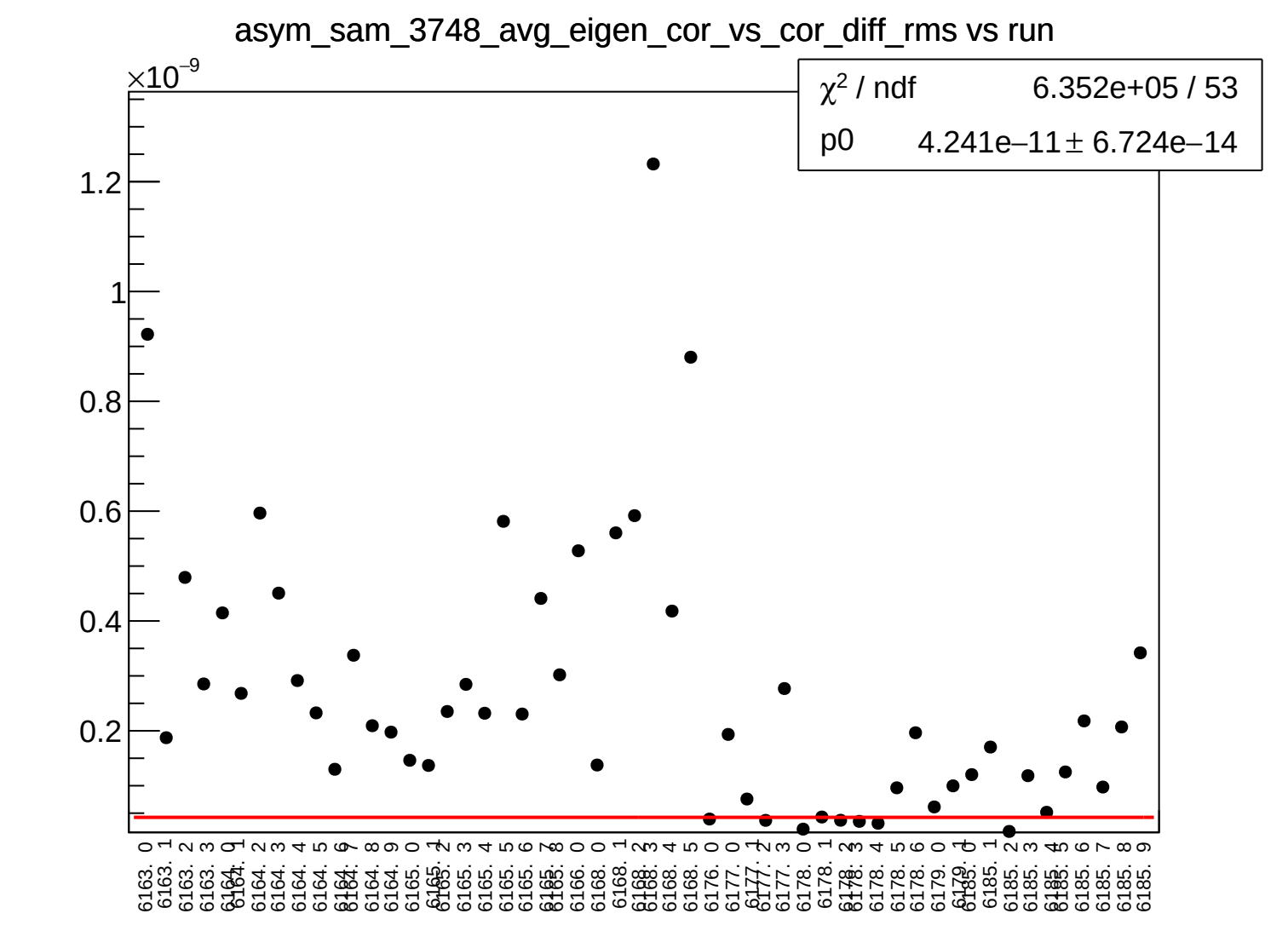

asym_sam_3748_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.088e+05 / 53
p0 39.97 ± 0.04158
140
120
100
80
60
40
20
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 73.4 / 53
p0 0.0268 ± 0.0588
pull
Entries 54
Mean 152.3
Std Dev 0
pull1D
Entries 54
Mean 0.01358
Std Dev 1.166


asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.088e+05 / 53
p0 39.97 ± 0.04158
140
120
100
80
60
40
20
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


asym_sam_3748_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 46.04 / 53
p0 −6.232e−14 ± 9.509e−14
pull
Entries 54
Mean −84.08
Std Dev 0


pull1D
Entries 54
Mean 0.04057
Std Dev 0.9225


asym_sam_3748_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.352e+05 / 53
p0 4.241e−11 ± 6.724e−14
1.2
1
0.8
0.6
0.4
0.2
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
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6176. 0
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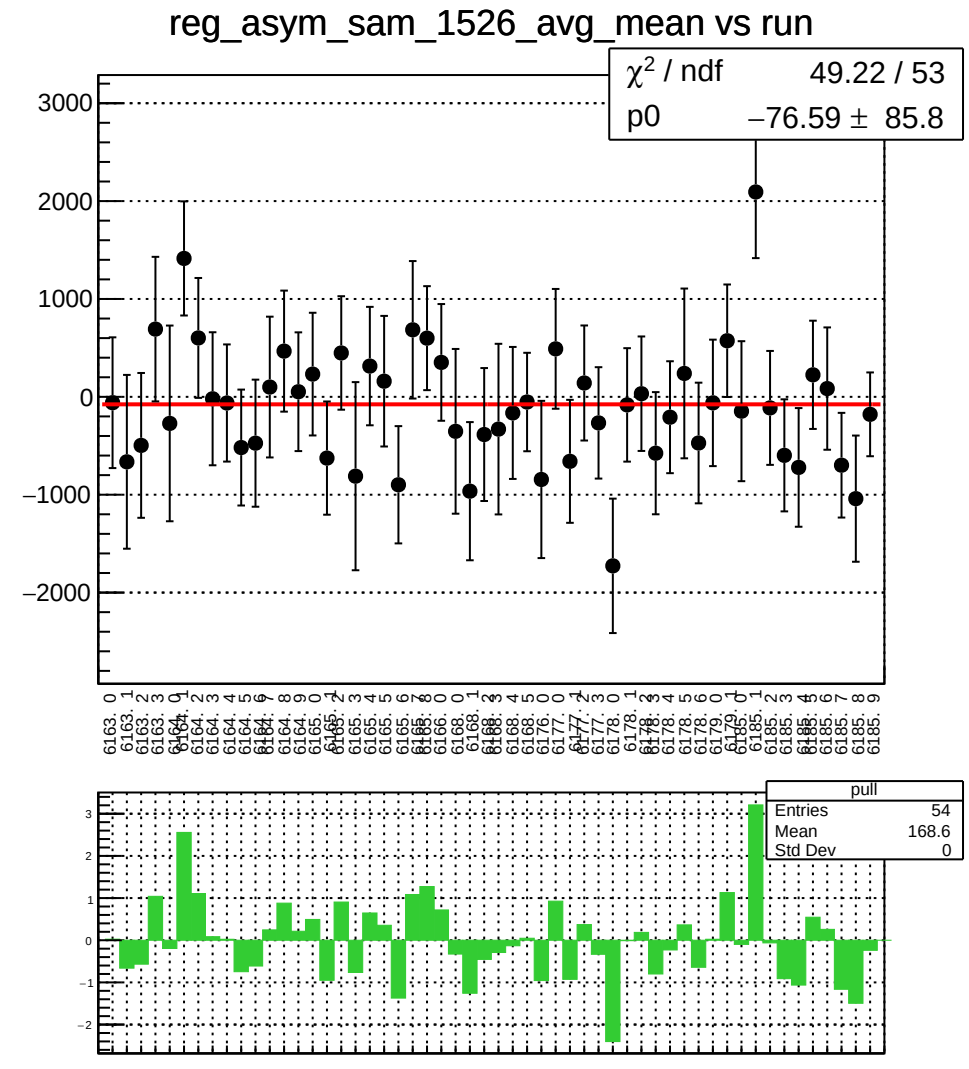
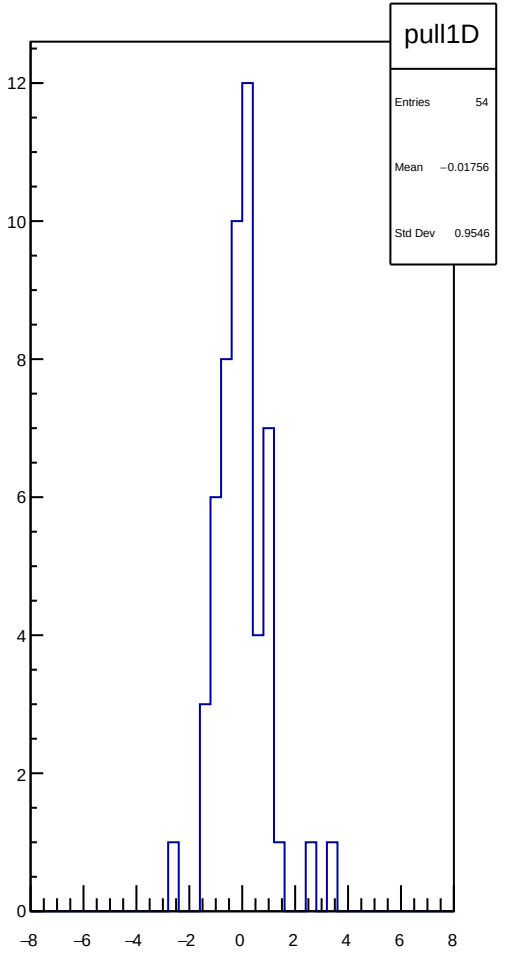
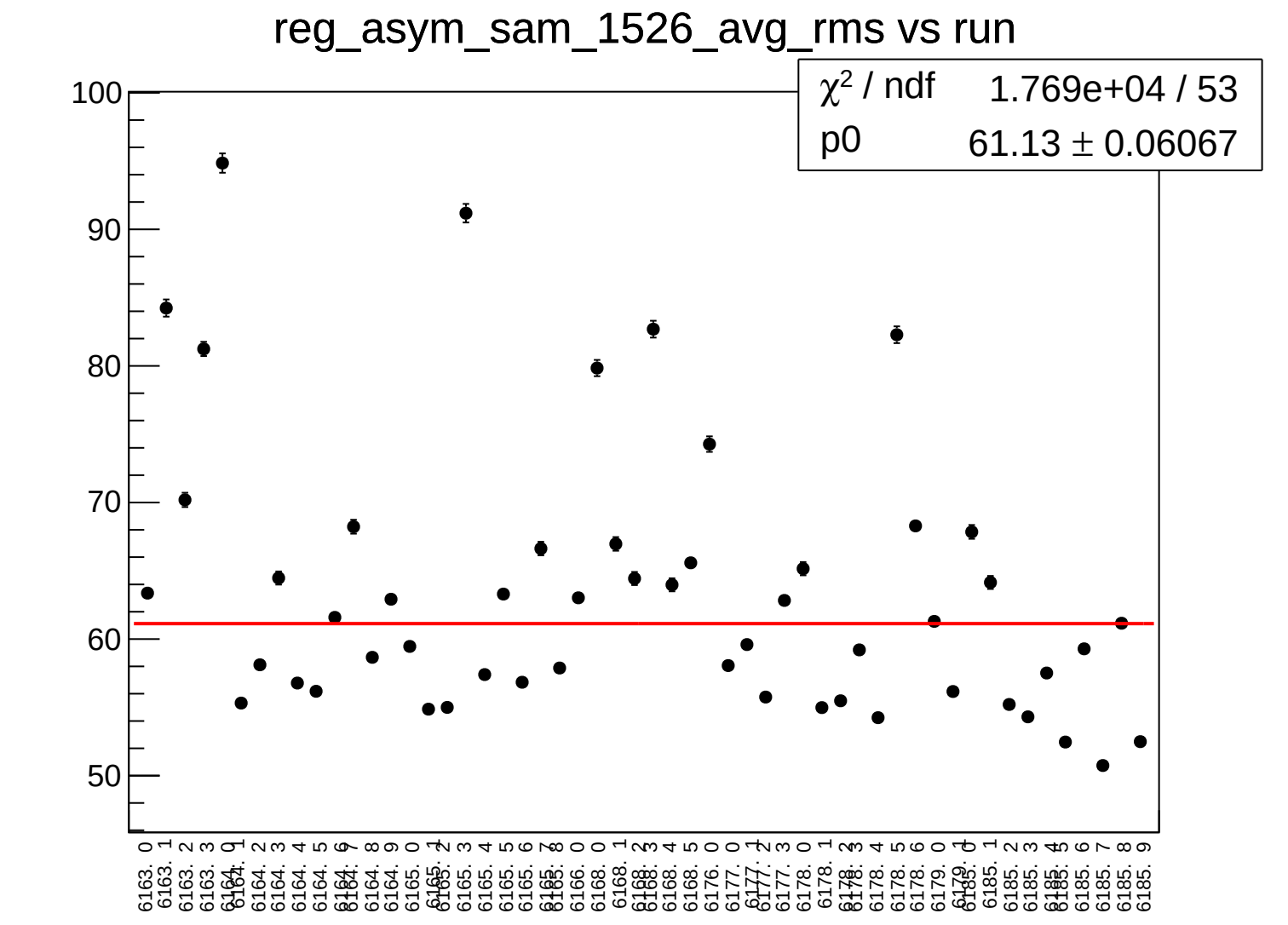
6185. 8
6185. 9


reg_asym_sam_1526_avg_mean vs run
χ² / ndf 49.22 / 53
p0 −76.59 ± 85.8
pull
Entries 54
Mean 168.6
Std Dev 0


pull1D
Entries 54
Mean −0.01756
Std Dev 0.9546


reg_asym_sam_1526_avg_rms vs run
χ² / ndf 1.769e+04 / 53
p0 61.13 ± 0.06067
100
90
80
70
60
50
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
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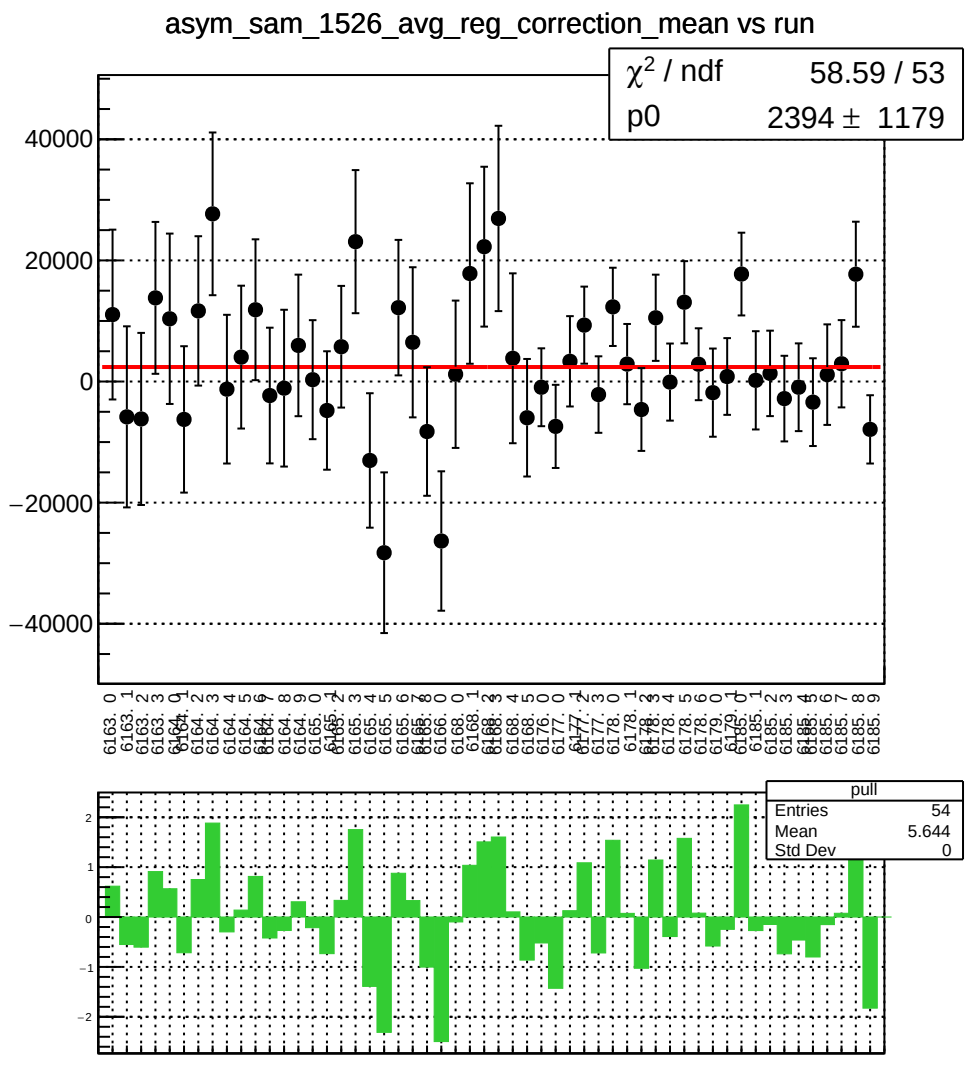
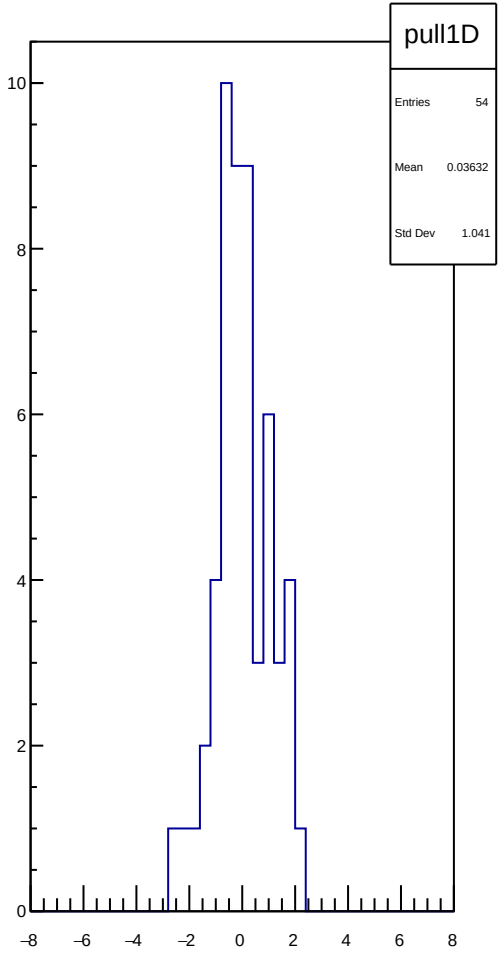
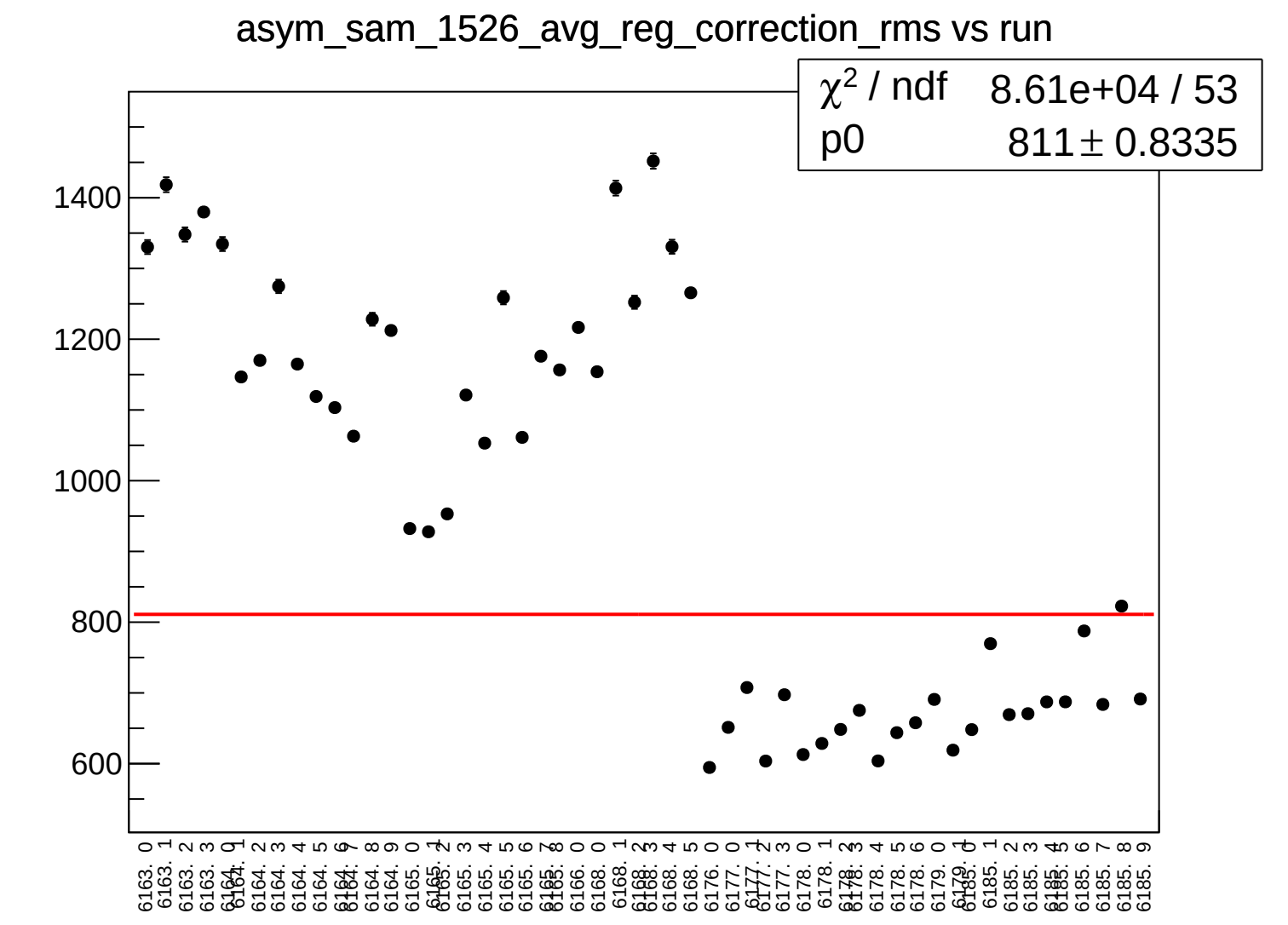
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


asym_sam_1526_avg_reg_correction_mean vs run
χ² / ndf 58.59 / 53
p0 2394 ± 1179
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 5.644
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 54
Mean 0.03632
Std Dev 1.041
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_1526_avg_reg_correction_rms vs run
χ² / ndf 8.61e+04 / 53
p0 811 ± 0.8335
1400
1200
1000
800
600
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
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6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
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6185. 2
6185. 3
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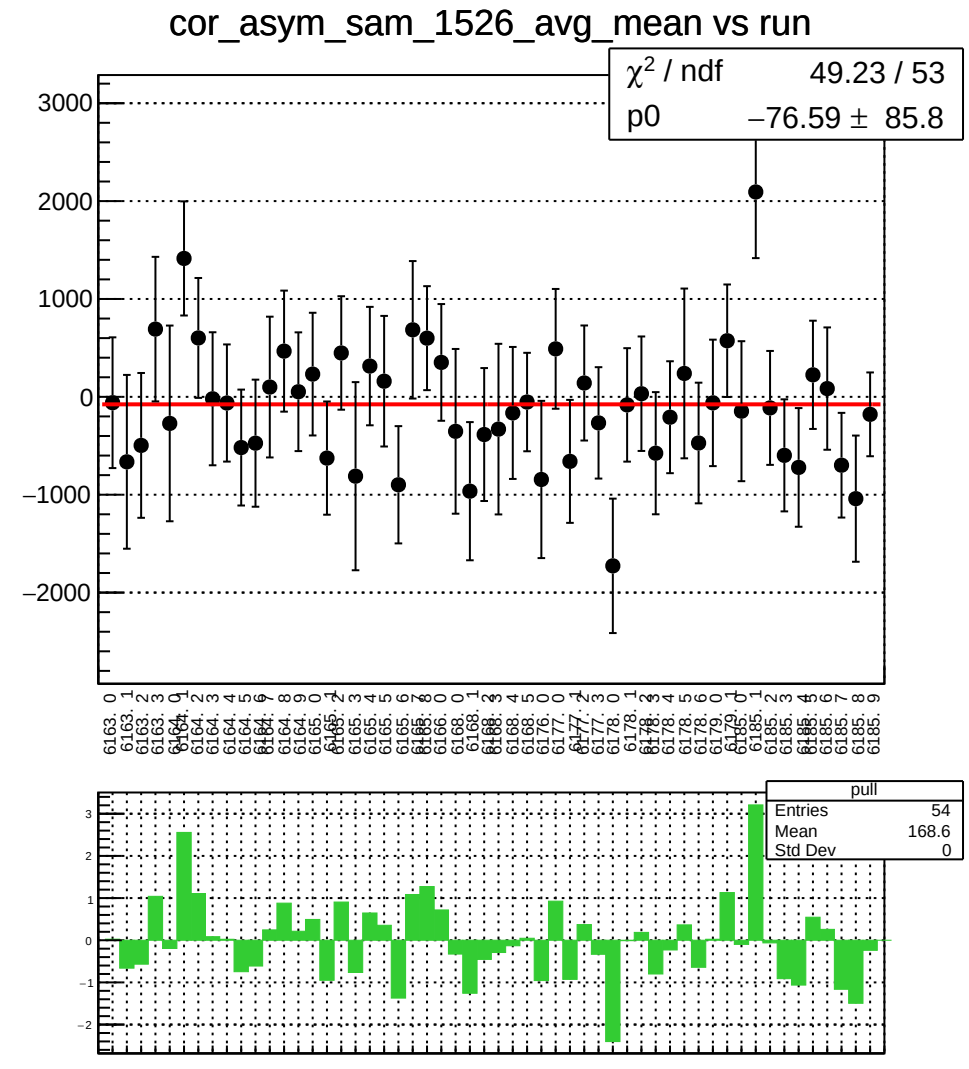
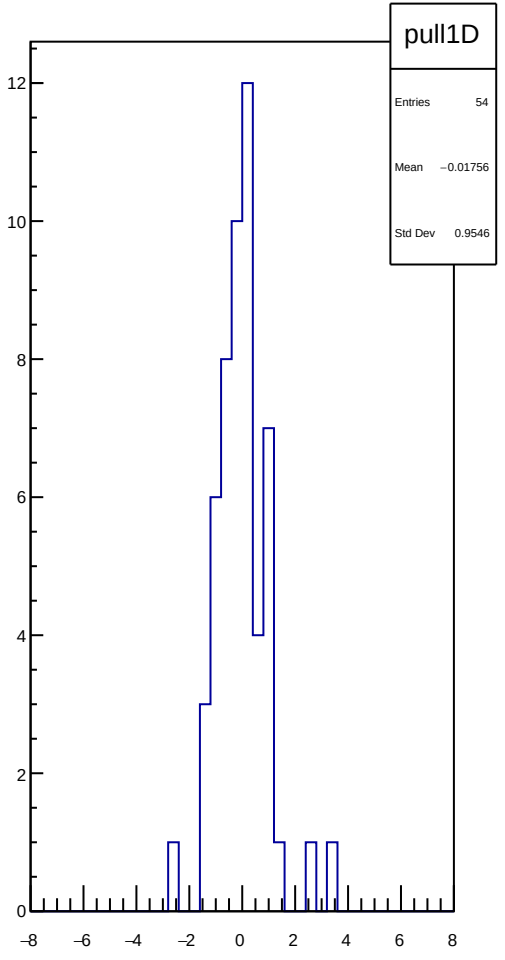
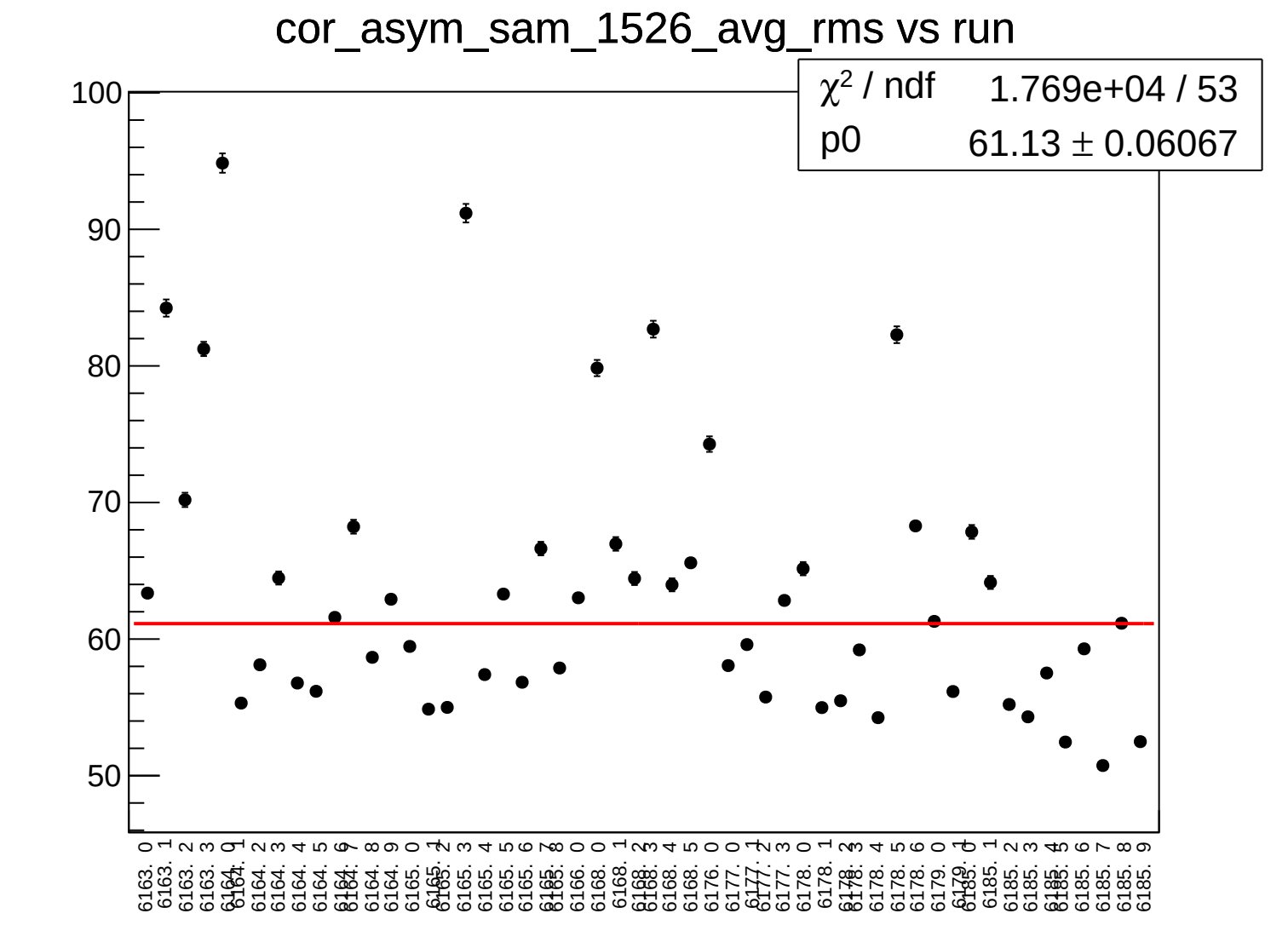
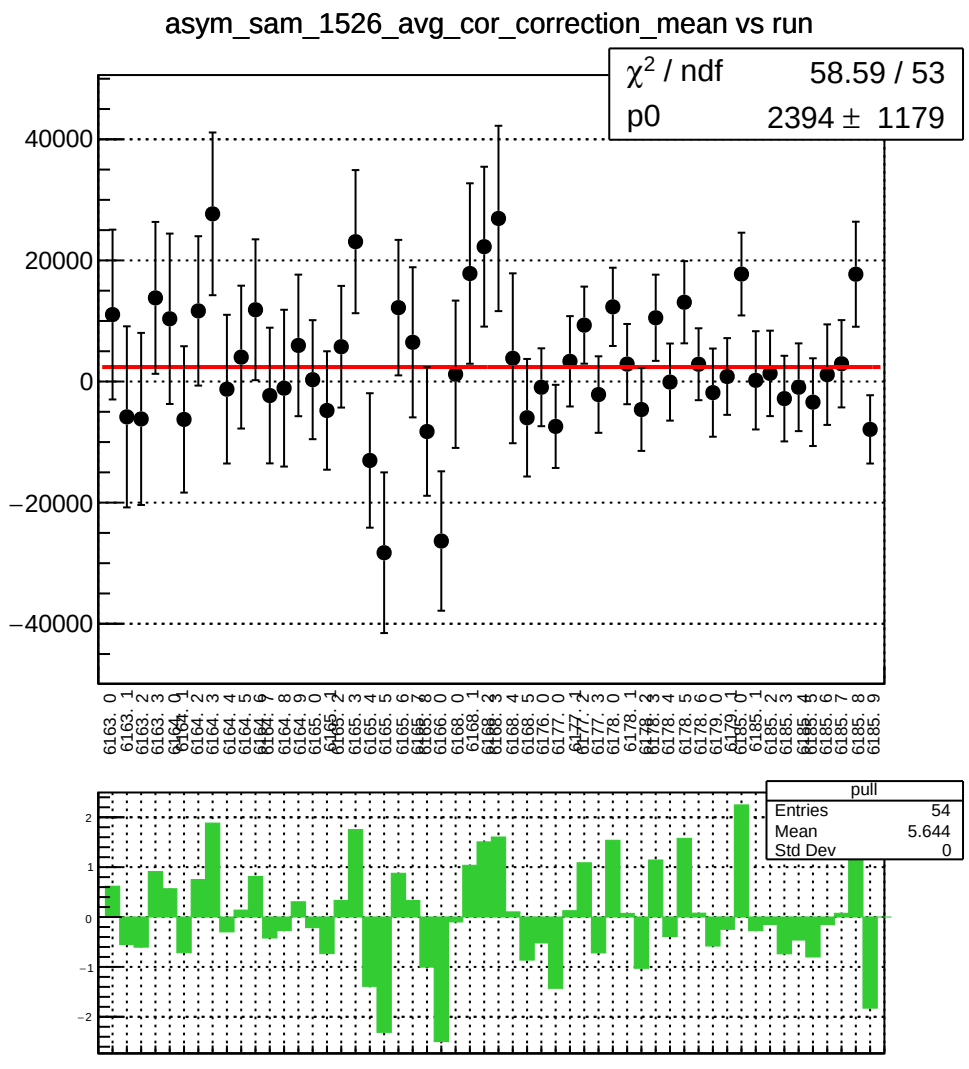
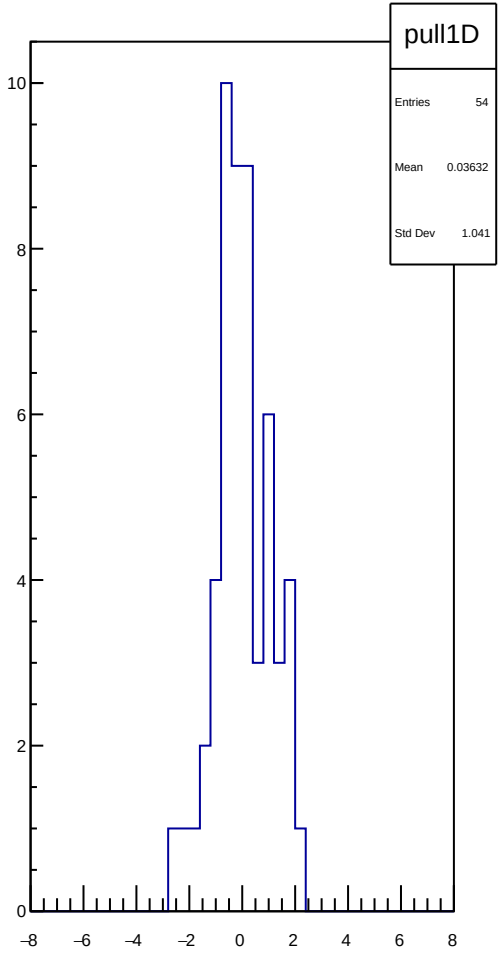
6185. 7
6185. 8
6185. 9


cor_asym_sam_1526_avg_mean vs run
χ² / ndf 49.23 / 53
p0 −76.59 ± 85.8
pull
Entries 54
Mean 168.6
Std Dev 0


pull1D
Entries 54
Mean −0.01756
Std Dev 0.9546


cor_asym_sam_1526_avg_rms vs run
χ² / ndf 1.769e+04 / 53
p0 61.13 ± 0.06067
100
90
80
70
60
50
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


asym_sam_1526_avg_cor_correction_mean vs run
χ² / ndf 58.59 / 53
p0 2394 ± 1179
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 5.644
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 54
Mean 0.03632
Std Dev 1.041
10
8
6
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2
0
−8
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−4
−2
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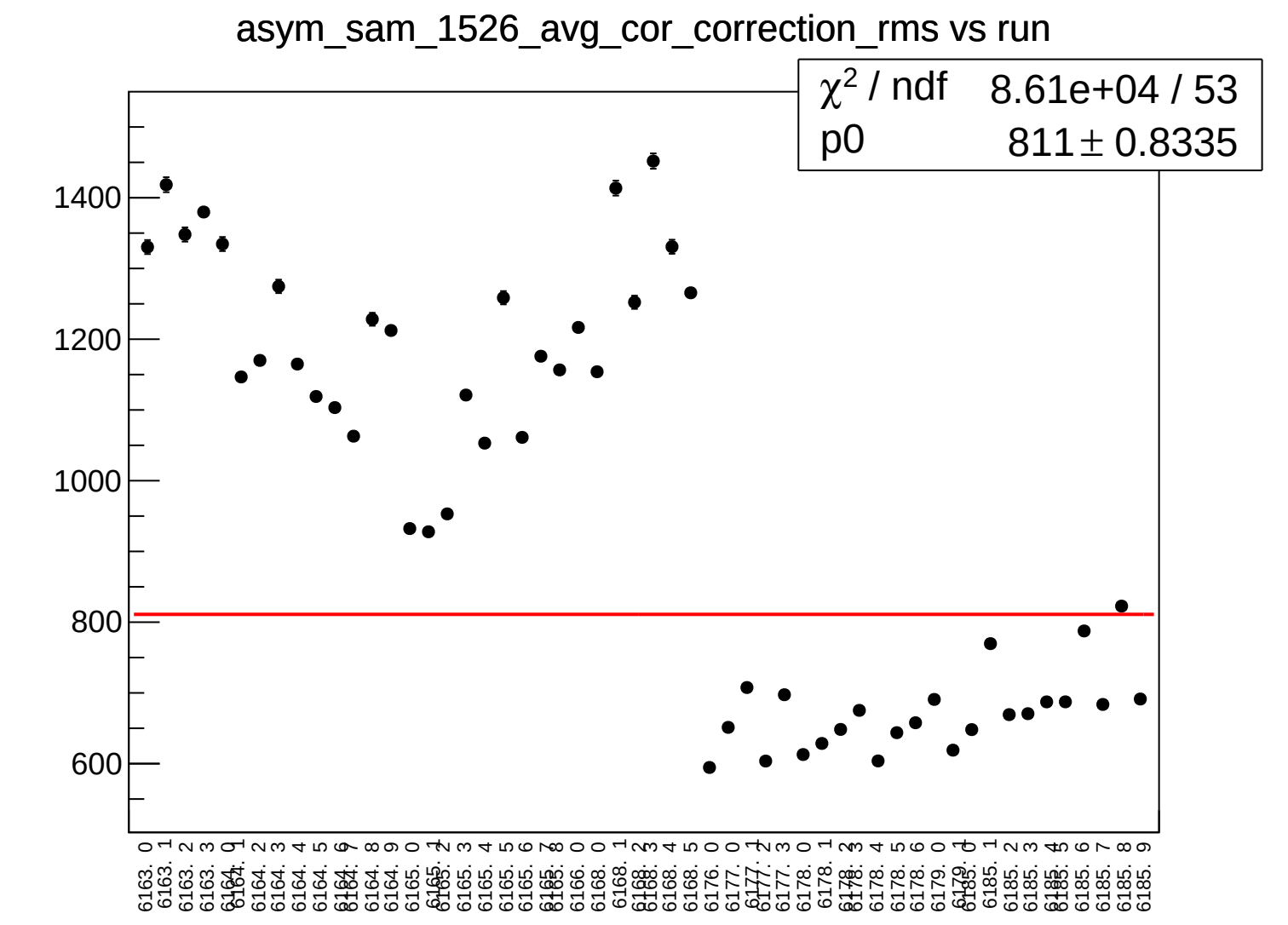
2
4
6
8


asym_sam_1526_avg_cor_correction_rms vs run
χ² / ndf 8.61e+04 / 53
p0 811 ± 0.8335
1400
1200
1000
800
600
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
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6168. 5
6176. 0
6177. 0
6177. 2
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6178. 1
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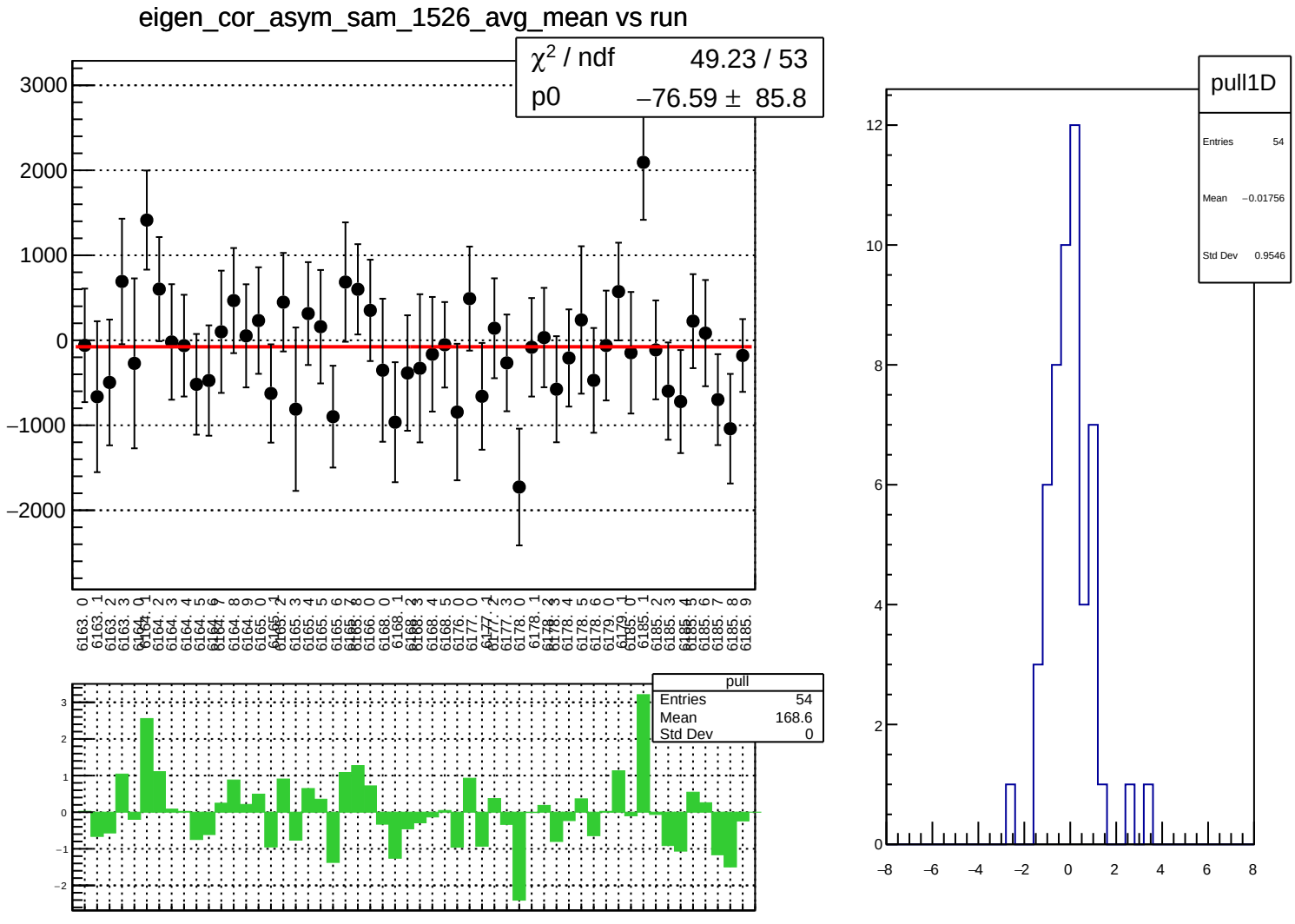
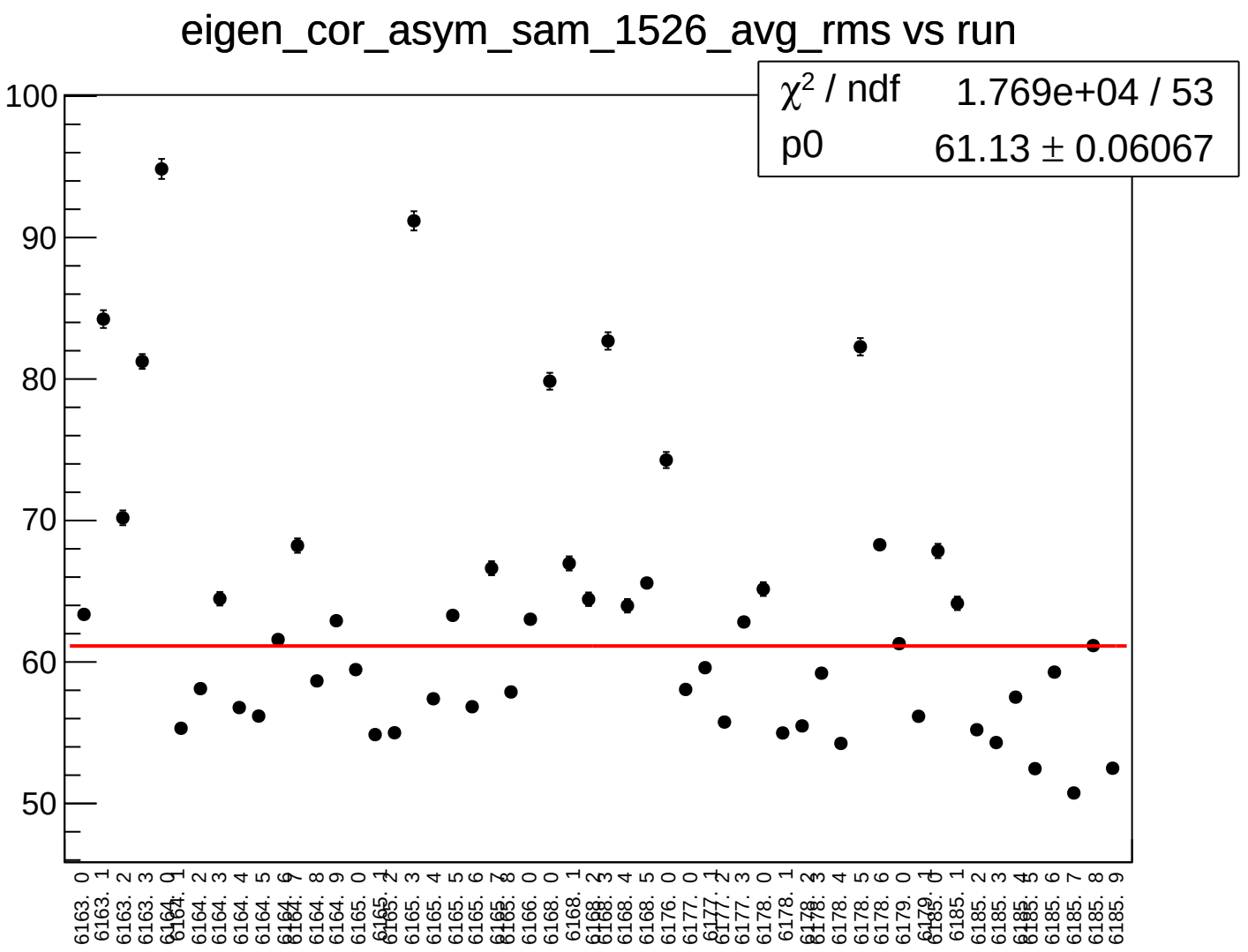
6185. 9


eigen_cor_asym_sam_1526_avg_mean vs run
χ² / ndf 49.23 / 53
p0 −76.59 ± 85.8
pull
Entries 54
Mean 168.6
Std Dev 0
pull1D
Entries 54
Mean −0.01756
Std Dev 0.9546


eigen_cor_asym_sam_1526_avg_rms vs run
χ² / ndf 1.769e+04 / 53
p0 61.13 ± 0.06067
100
90
80
70
60
50
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
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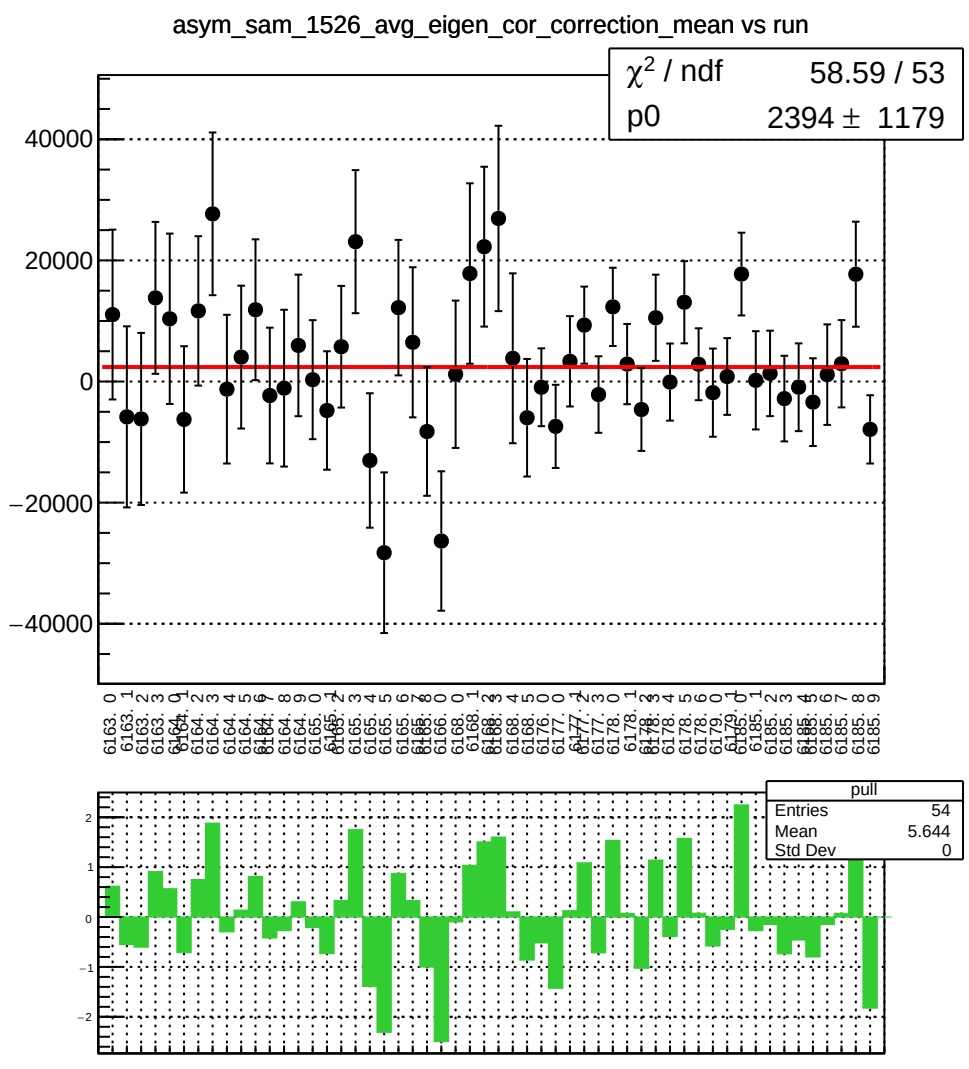
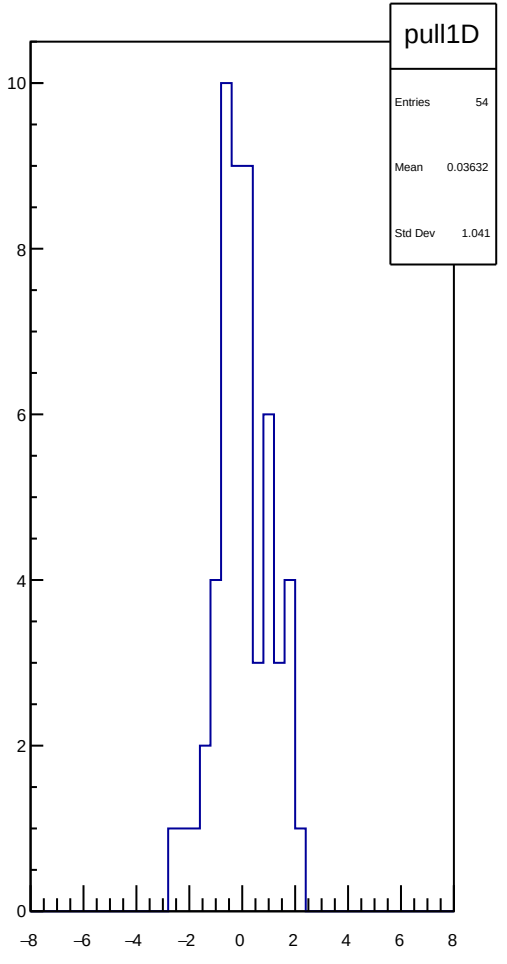
6185. 8
6185. 9


asym_sam_1526_avg_eigen_cor_correction_mean vs run
χ² / ndf 58.59 / 53
p0 2394 ± 1179
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 5.644
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 54
Mean 0.03632
Std Dev 1.041
10
8
6
4
2
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−4
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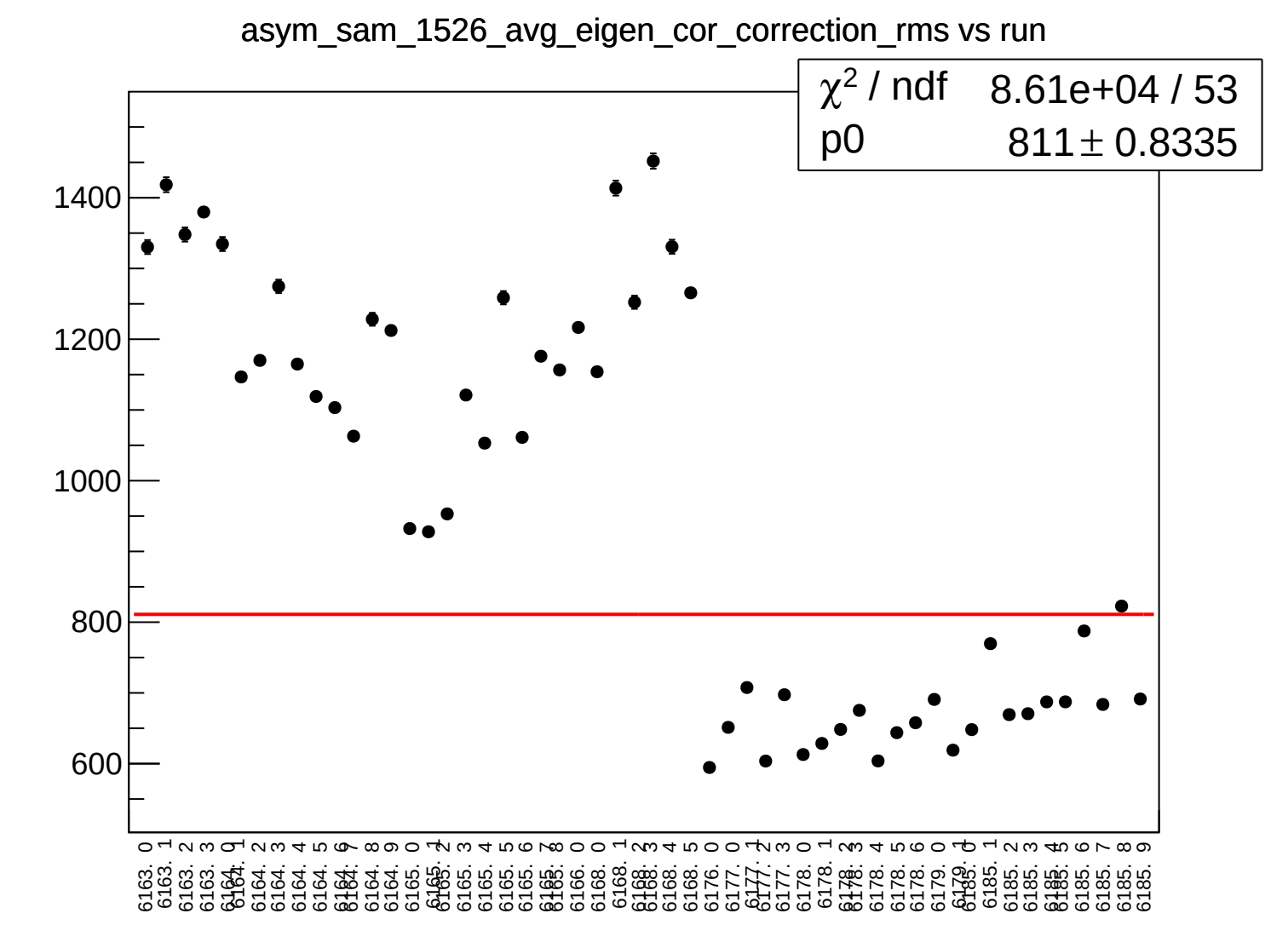
6
8


asym_sam_1526_avg_eigen_cor_correction_rms vs run
χ² / ndf 8.61e+04 / 53
p0 811 ± 0.8335
1400
1200
1000
800
600
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
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6178. 4
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6179. 0
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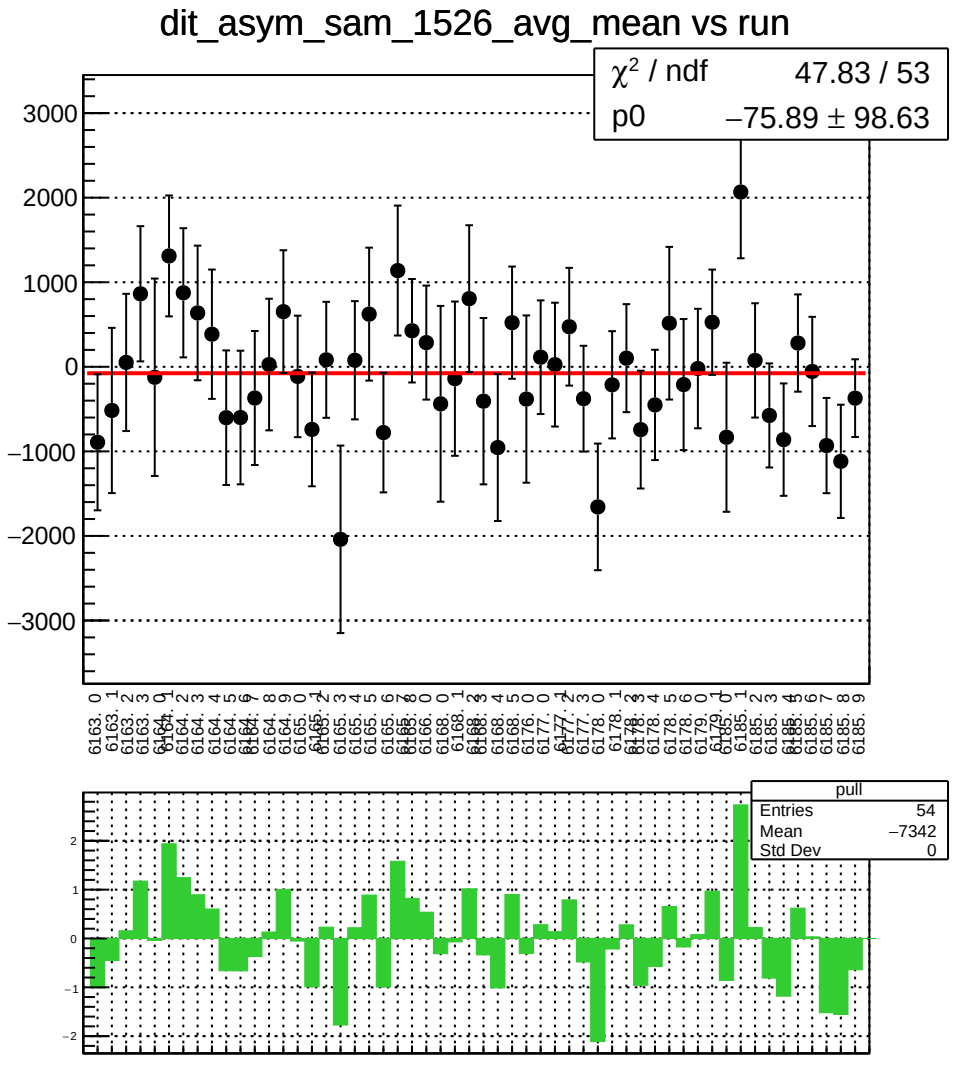
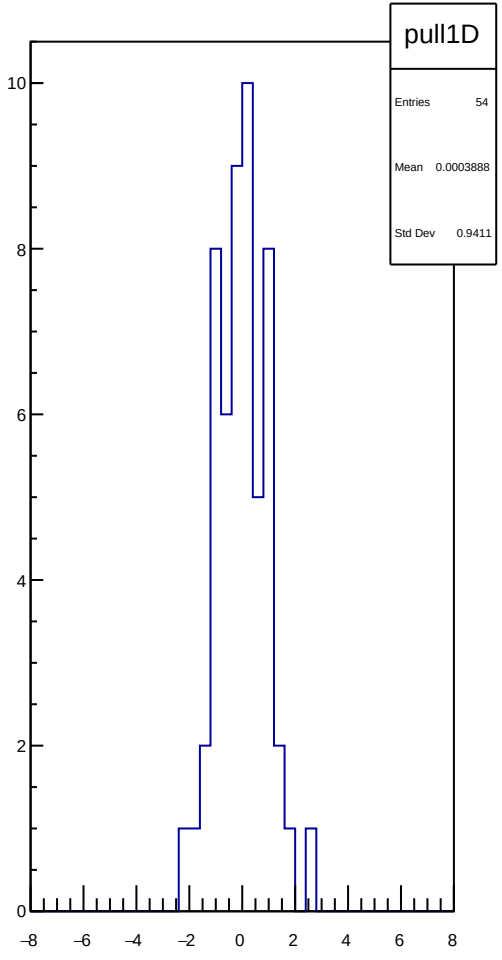
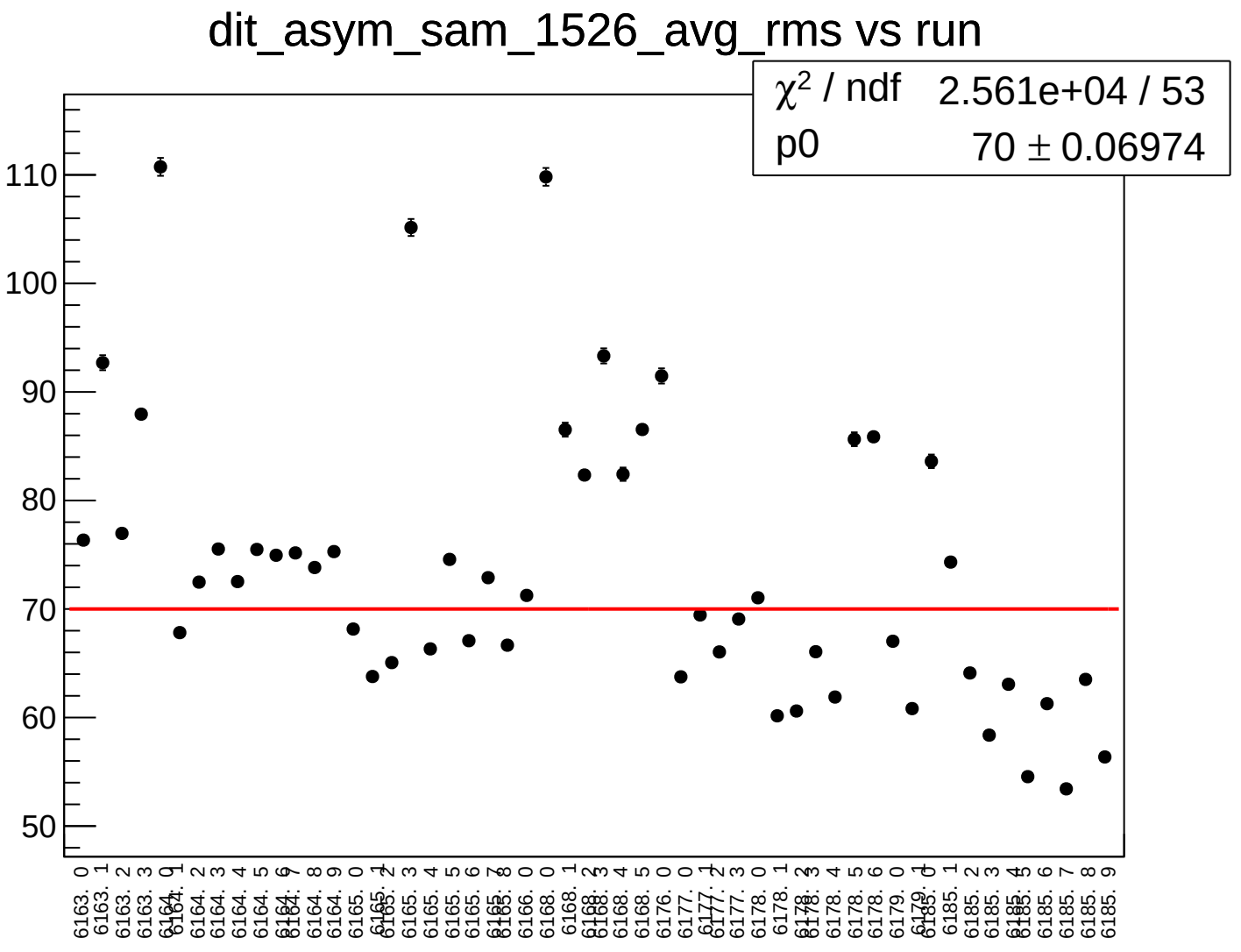
6185. 8
6185. 9


dit_asym_sam_1526_avg_mean vs run
χ² / ndf 47.83 / 53
p0 −75.89 ± 98.63
pull
Entries 54
Mean −7342
Std Dev 0


pull1D
Entries 54
Mean 0.0003888
Std Dev 0.9411


dit_asym_sam_1526_avg_rms vs run
χ² / ndf 2.561e+04 / 53
p0 70 ± 0.06974
110
100
90
80
70
60
50
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
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6177. 3
6178. 0
6178. 1
6178. 4
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6179. 0
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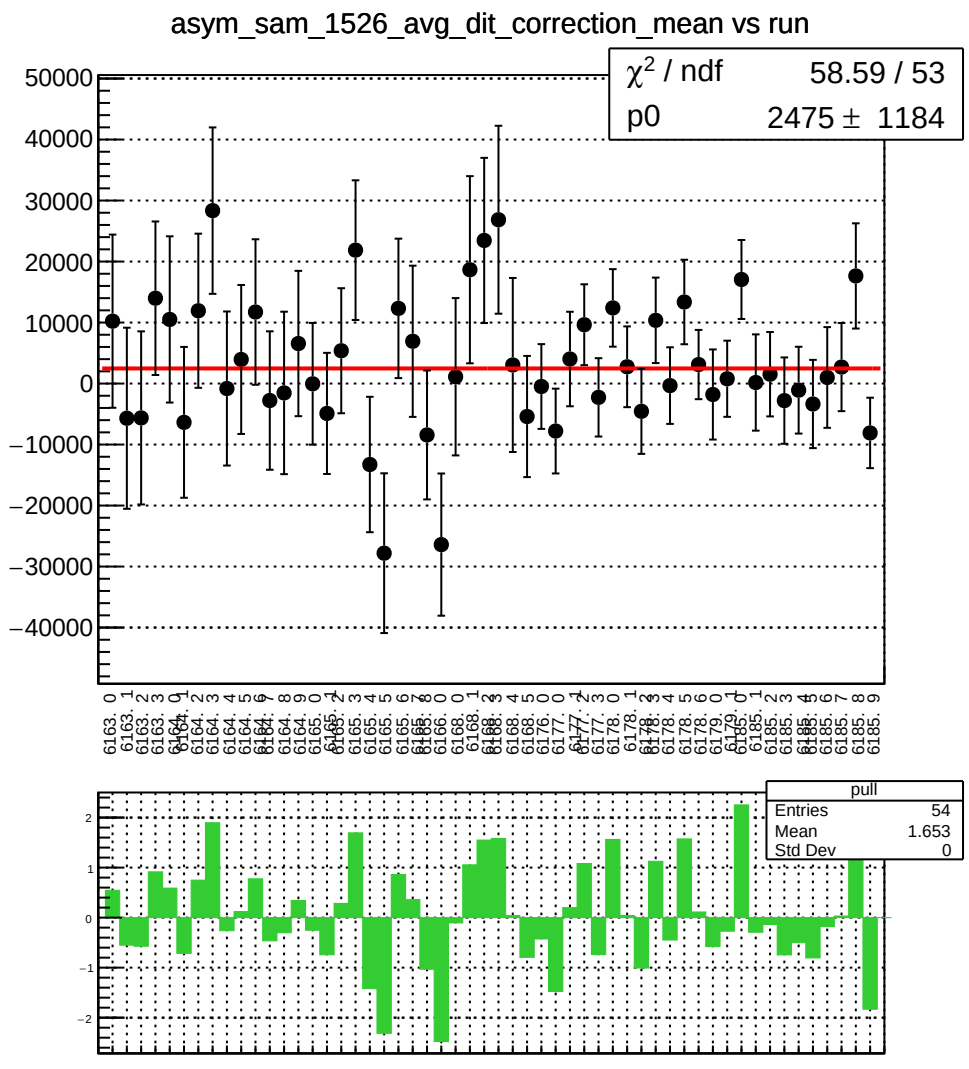
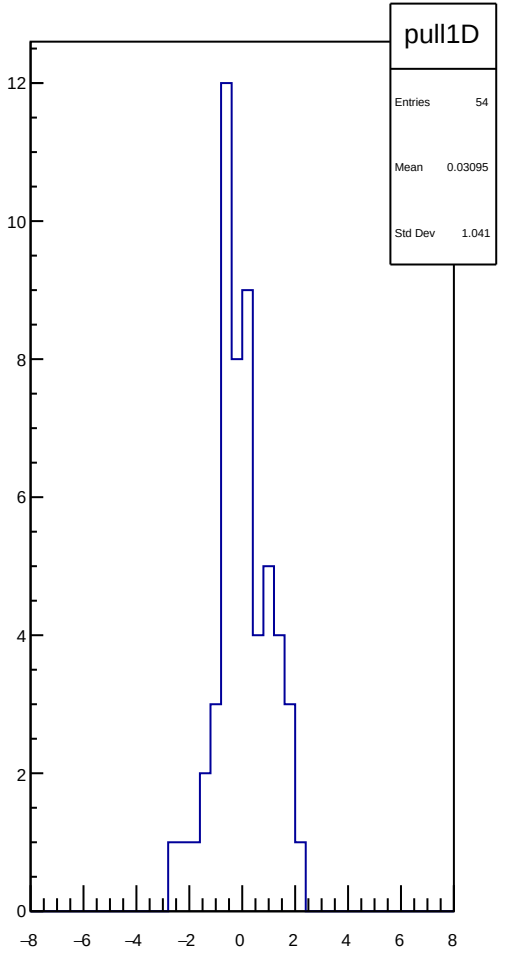
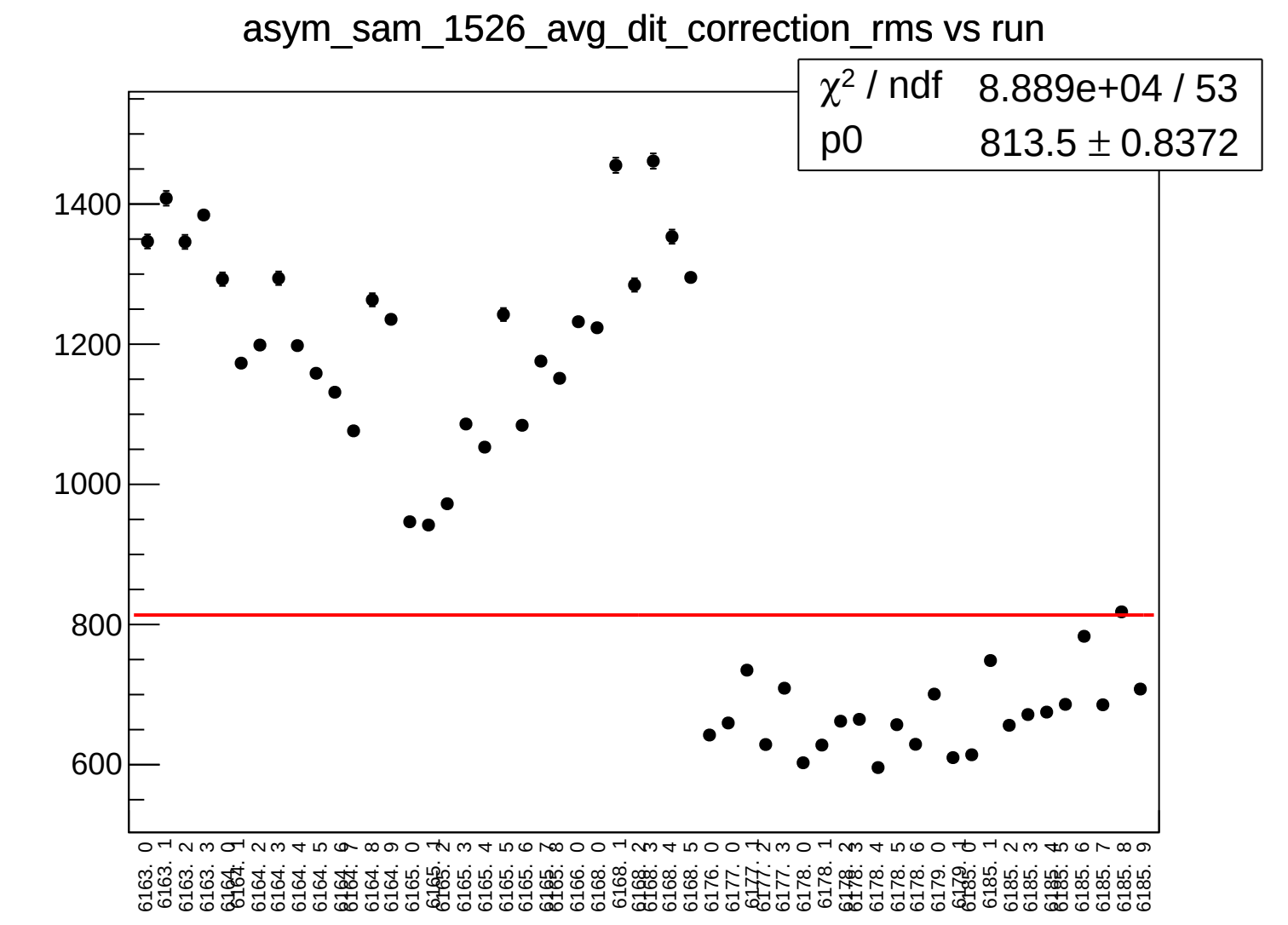
6185. 7
6185. 8
6185. 9


asym_sam_1526_avg_dit_correction_mean vs run
χ² / ndf 58.59 / 53
p0 2475 ± 1184
pull
Entries 54
Mean 1.653
Std Dev 0


pull1D
Entries 54
Mean 0.03095
Std Dev 1.041


asym_sam_1526_avg_dit_correction_rms vs run
χ² / ndf 8.889e+04 / 53
p0 813.5 ± 0.8372
1400
1200
1000
800
600
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
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6179. 0
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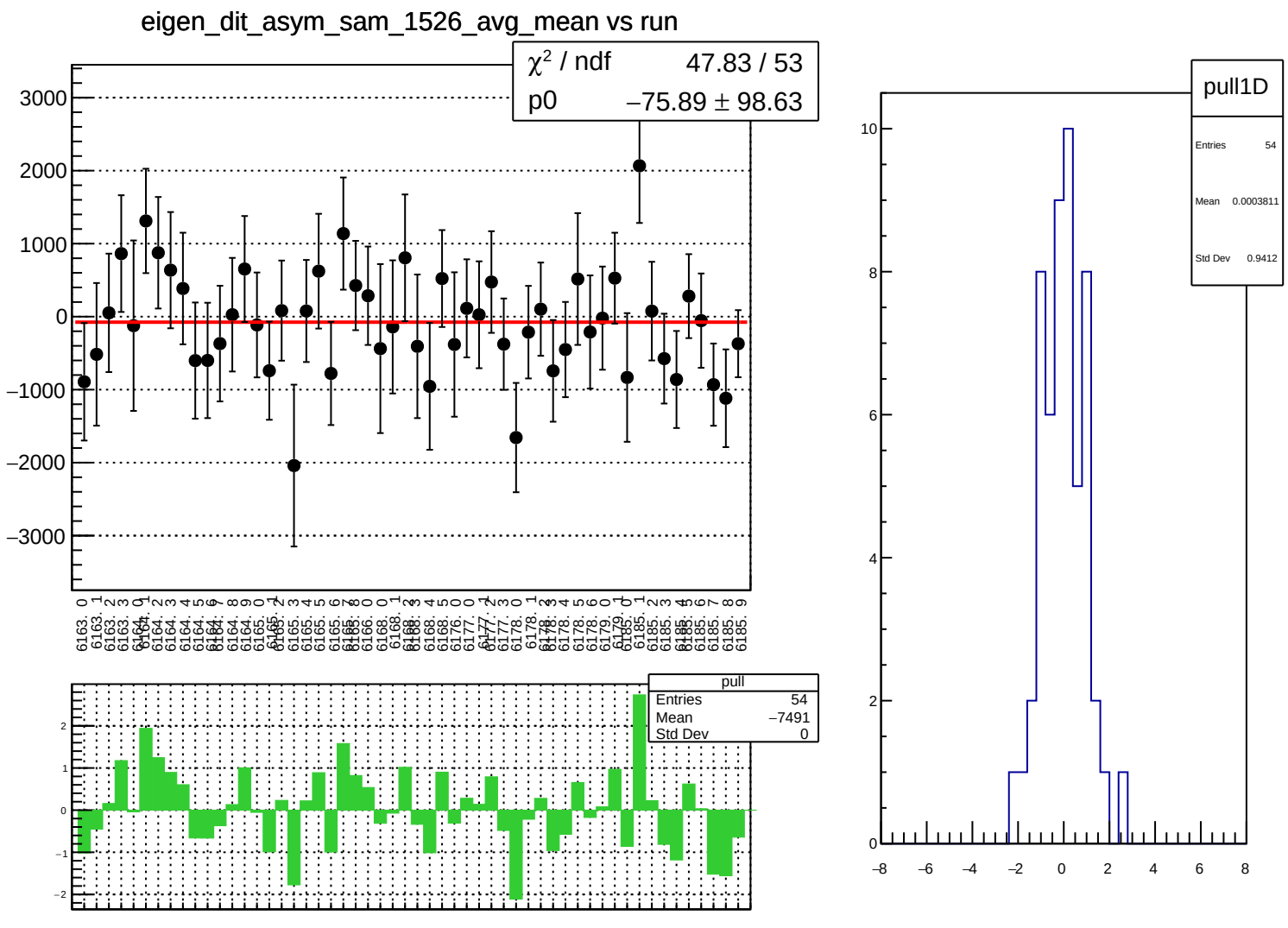
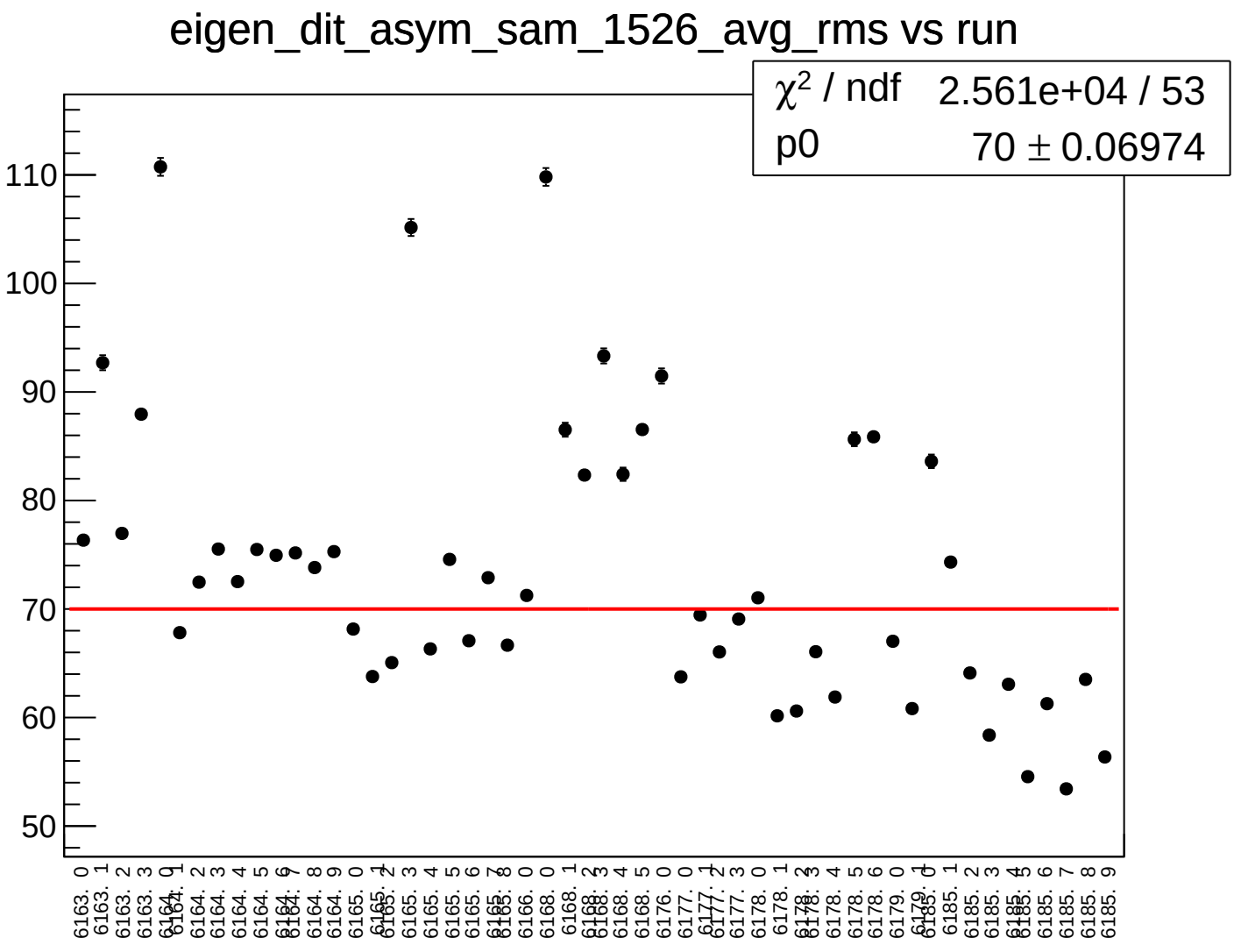
6185. 8
6185. 9


eigen_dit_asym_sam_1526_avg_mean vs run
χ² / ndf 47.83 / 53
p0 −75.89 ± 98.63
pull
Entries 54
Mean −7491
Std Dev 0
pull1D
Entries 54
Mean 0.0003811
Std Dev 0.9412


eigen_dit_asym_sam_1526_avg_rms vs run
χ² / ndf 2.561e+04 / 53
p0 70 ± 0.06974
110
100
90
80
70
60
50
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
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6165. 4
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6165. 6
6166. 0
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6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
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6178. 0
6178. 1
6178. 4
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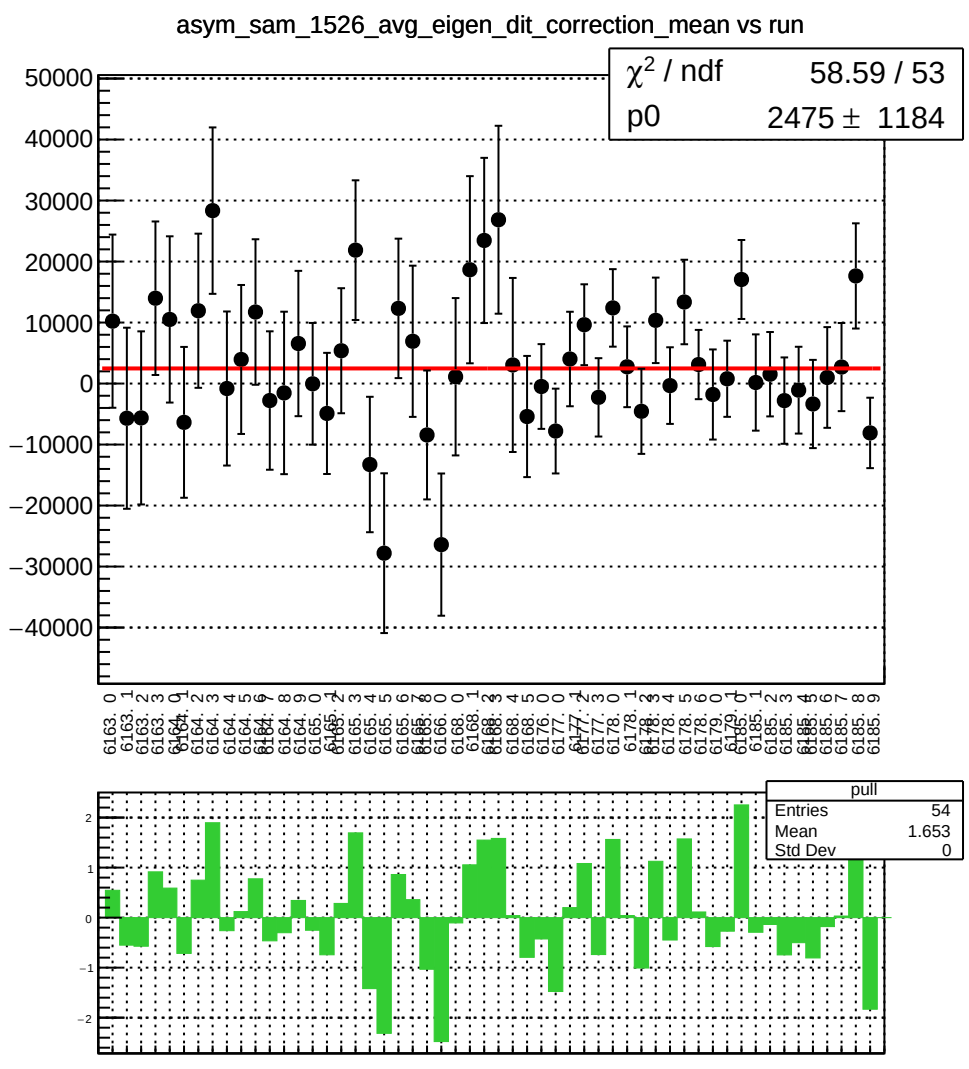
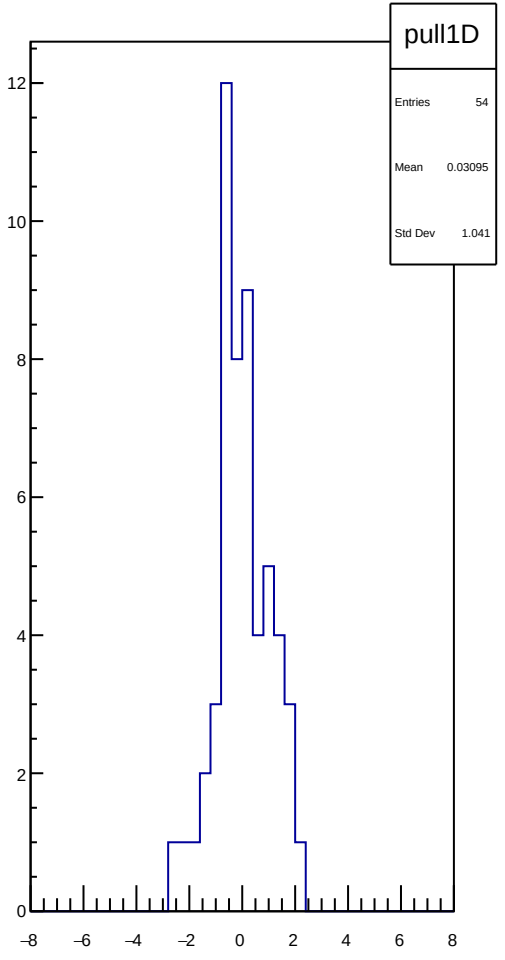
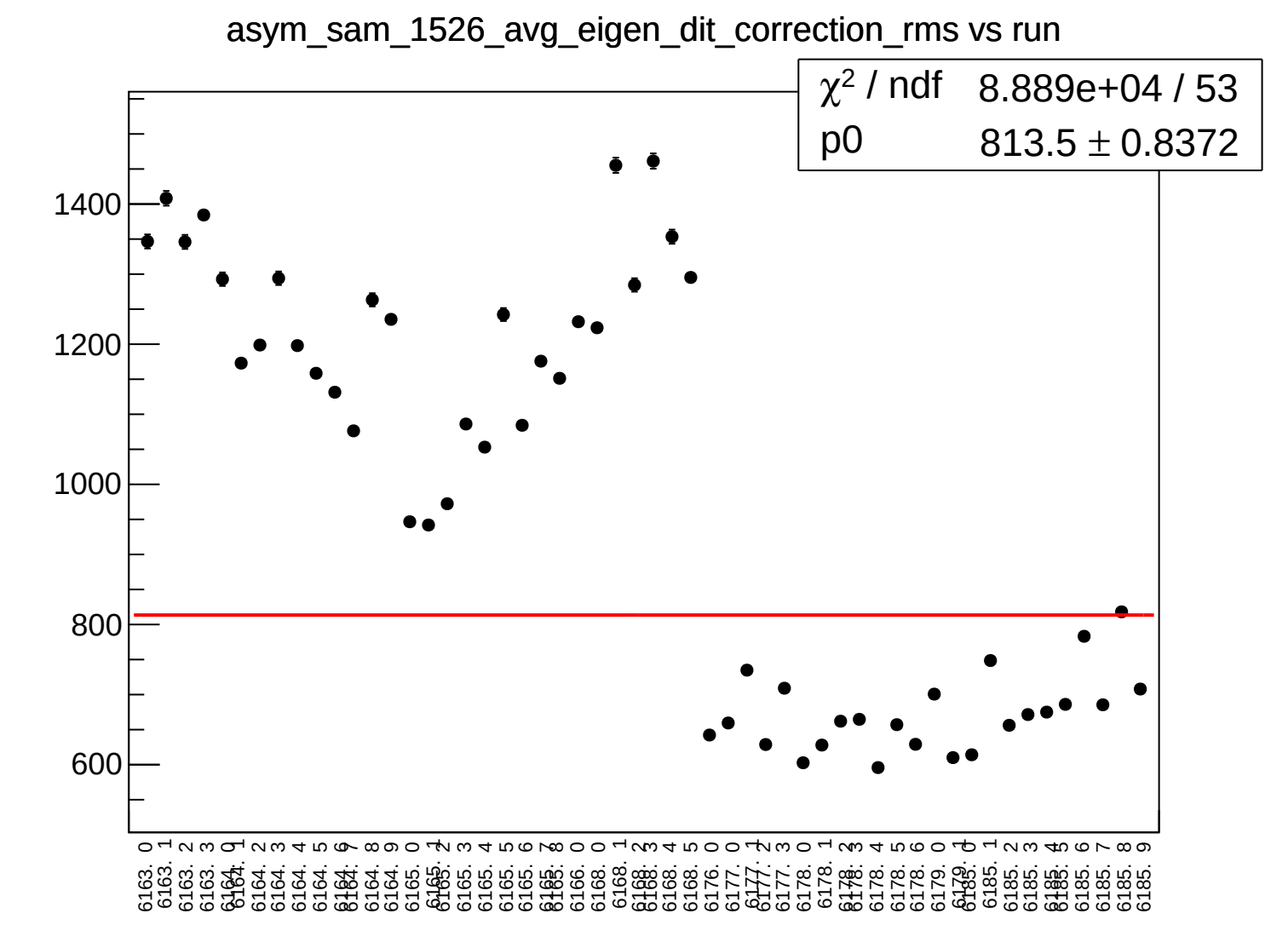
6185. 9


asym_sam_1526_avg_eigen_dit_correction_mean vs run
χ² / ndf 58.59 / 53
p0 2475 ± 1184
pull
Entries 54
Mean 1.653
Std Dev 0


pull1D
Entries 54
Mean 0.03095
Std Dev 1.041


asym_sam_1526_avg_eigen_dit_correction_rms vs run
χ² / ndf 8.889e+04 / 53
p0 813.5 ± 0.8372
1400
1200
1000
800
600
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
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6165. 6
6166. 0
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6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
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6179. 0
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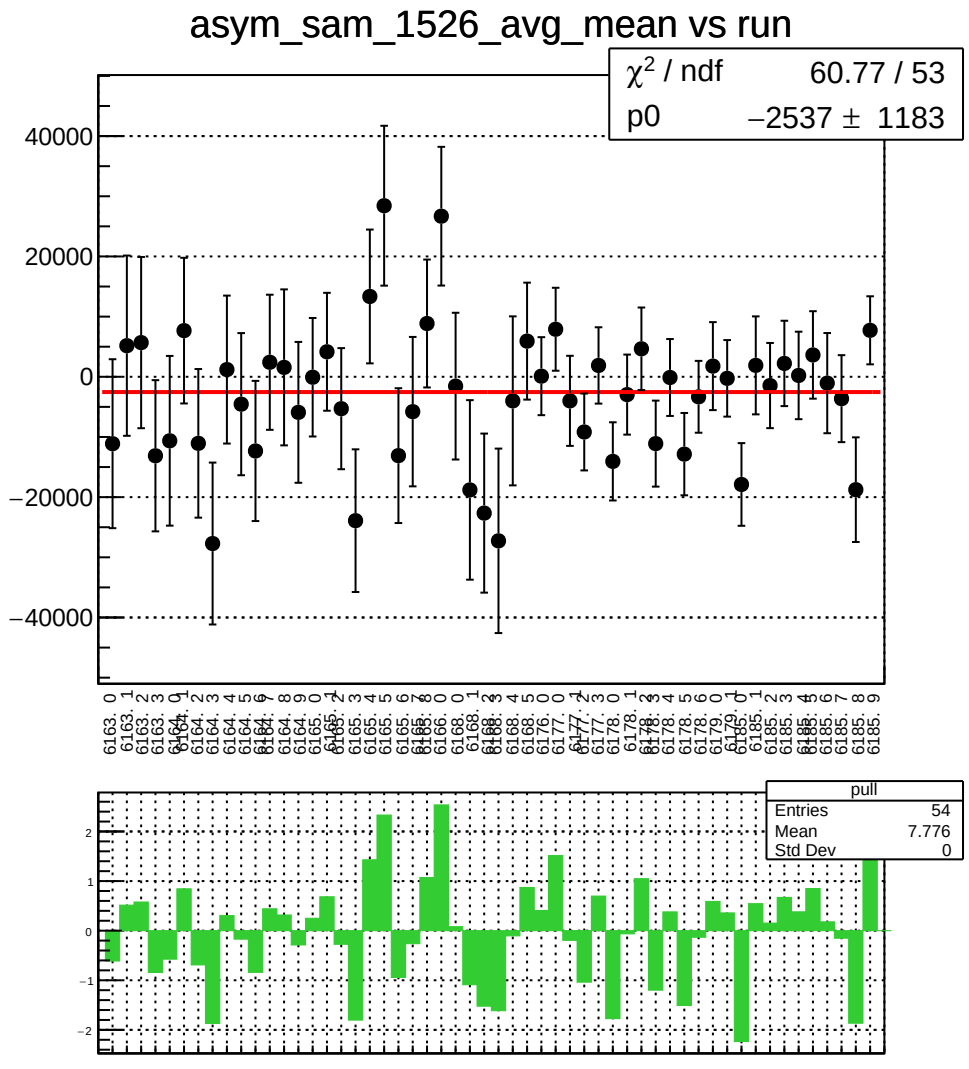
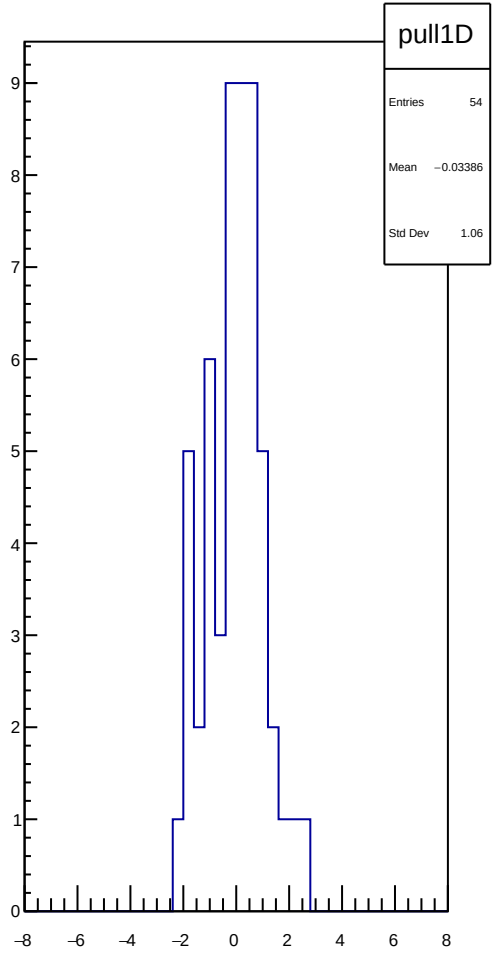
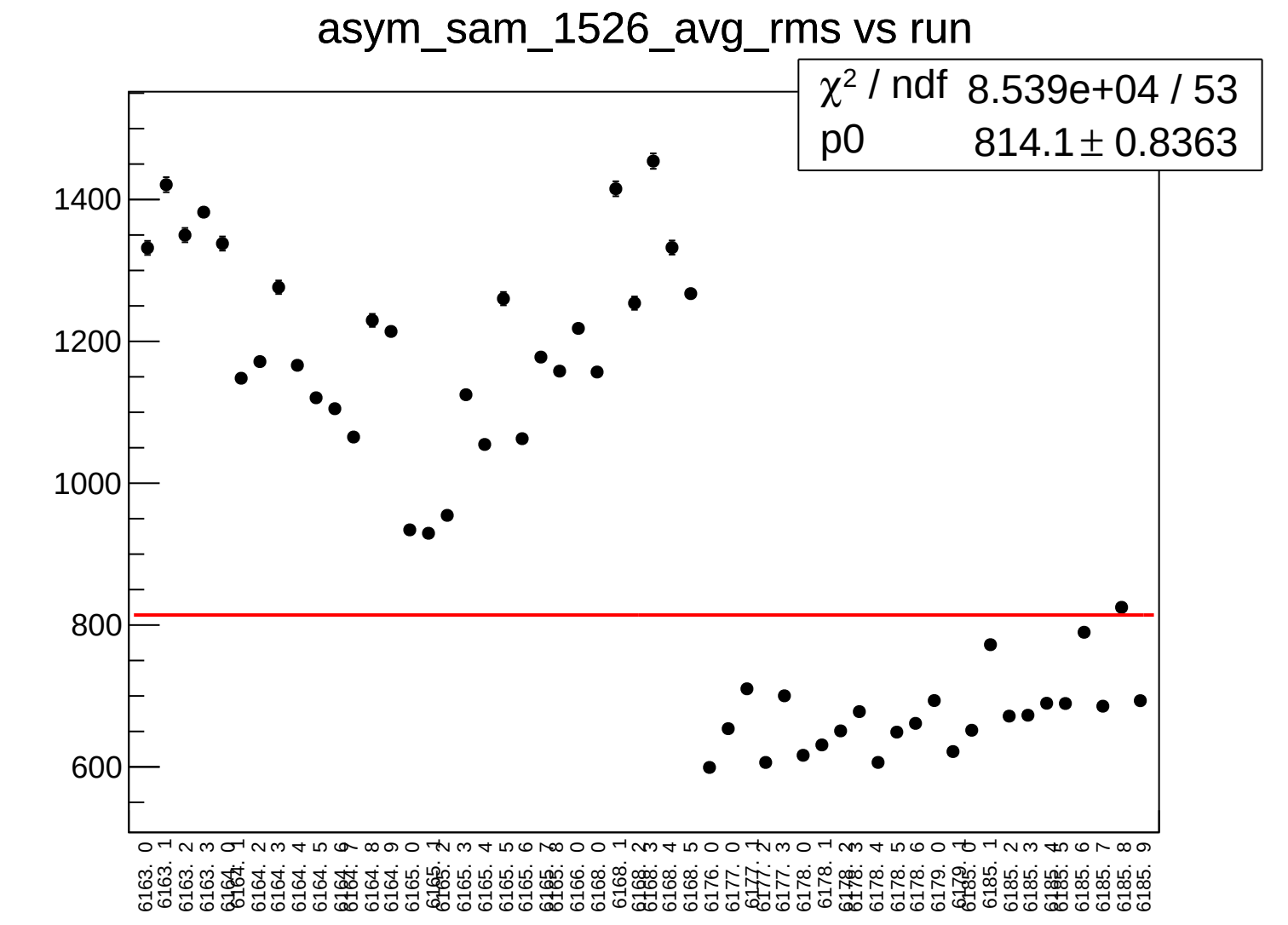
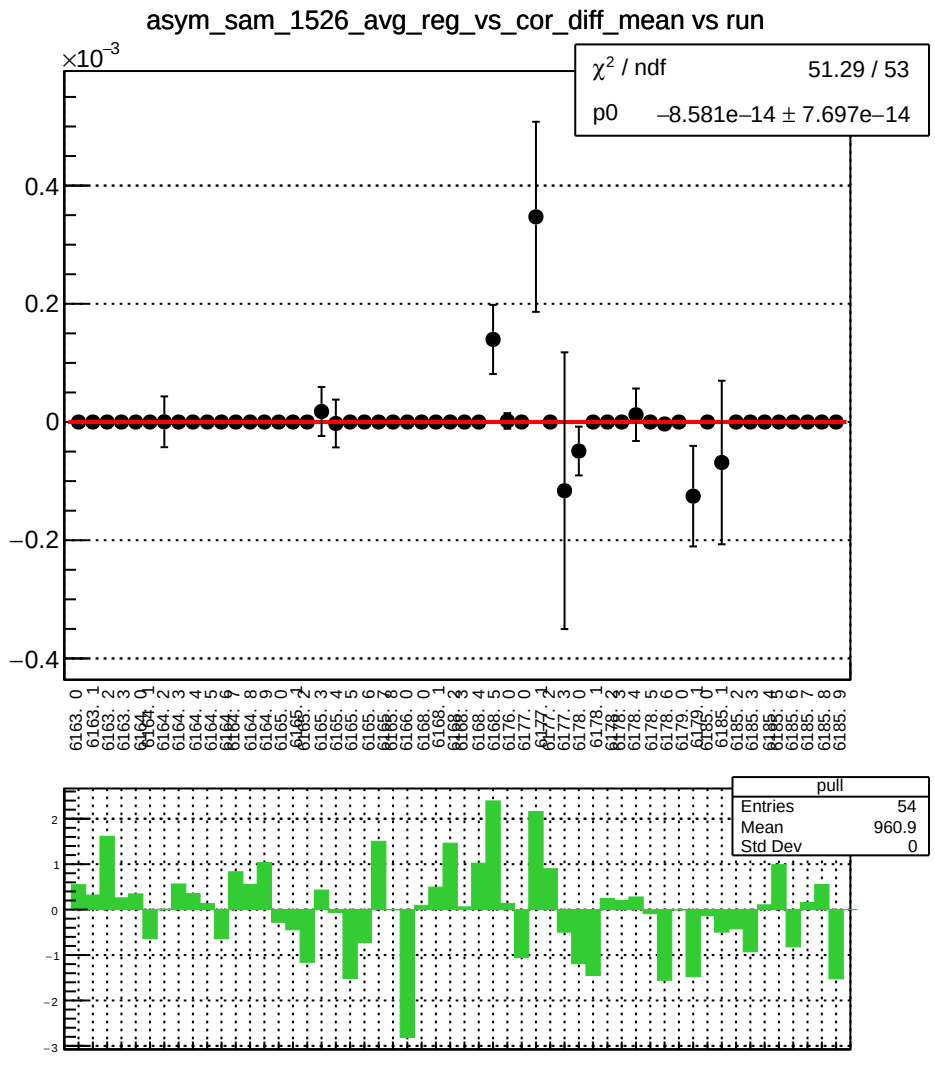
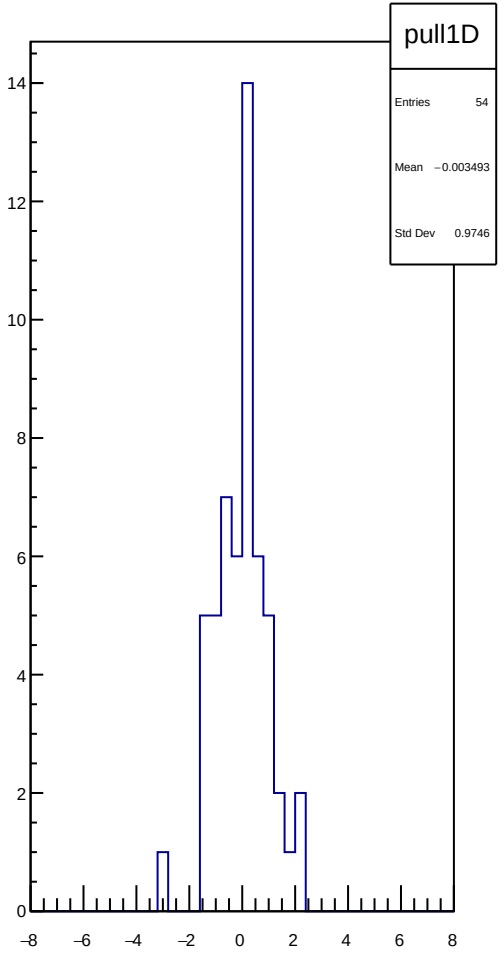
6185. 8
6185. 9

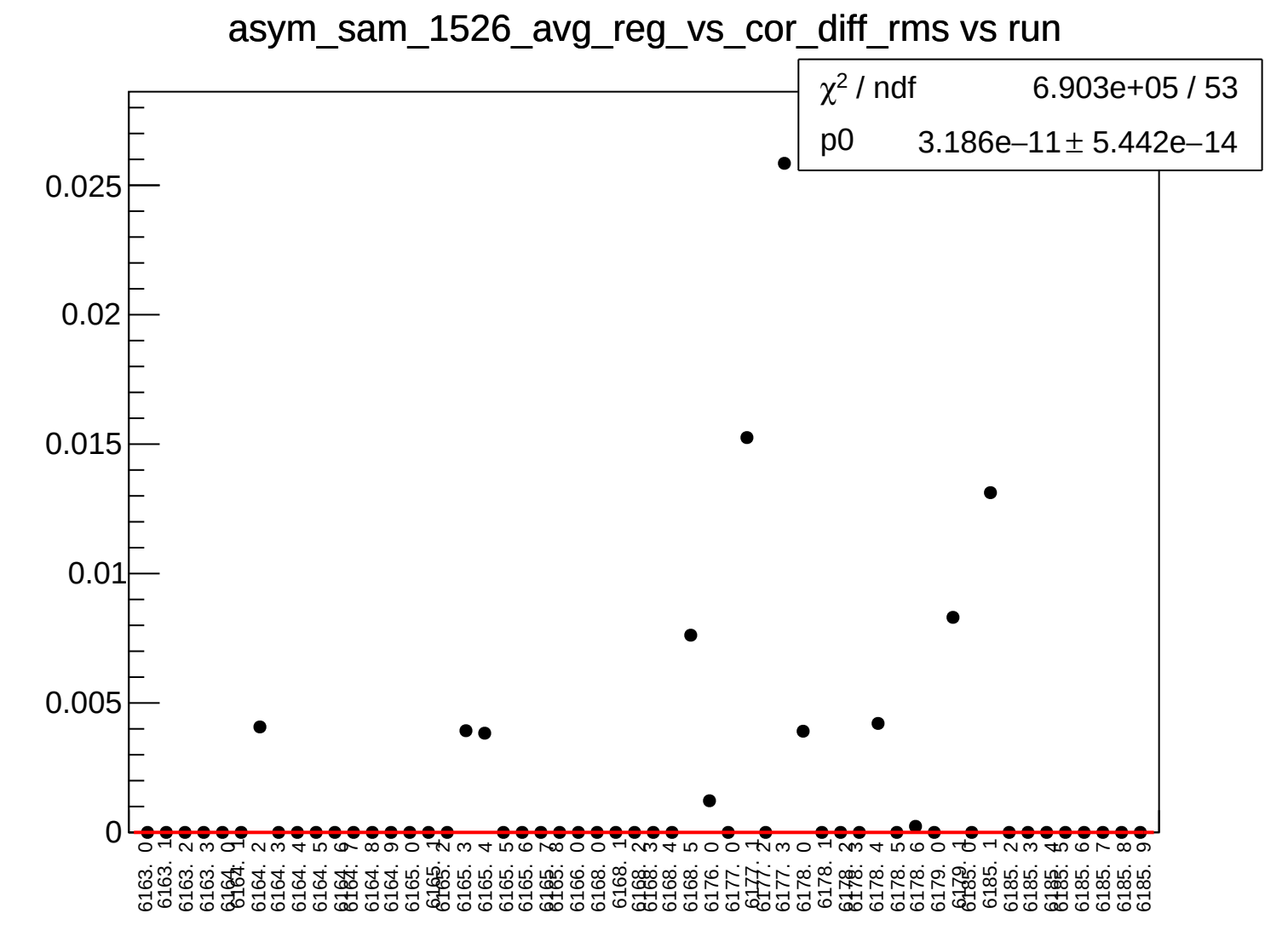

asym_sam_1526_avg_mean vs run
χ² / ndf 60.77 / 53
p0 −2537 ± 1183
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 7.776
Std Dev 0
2
1
0
−1
−2

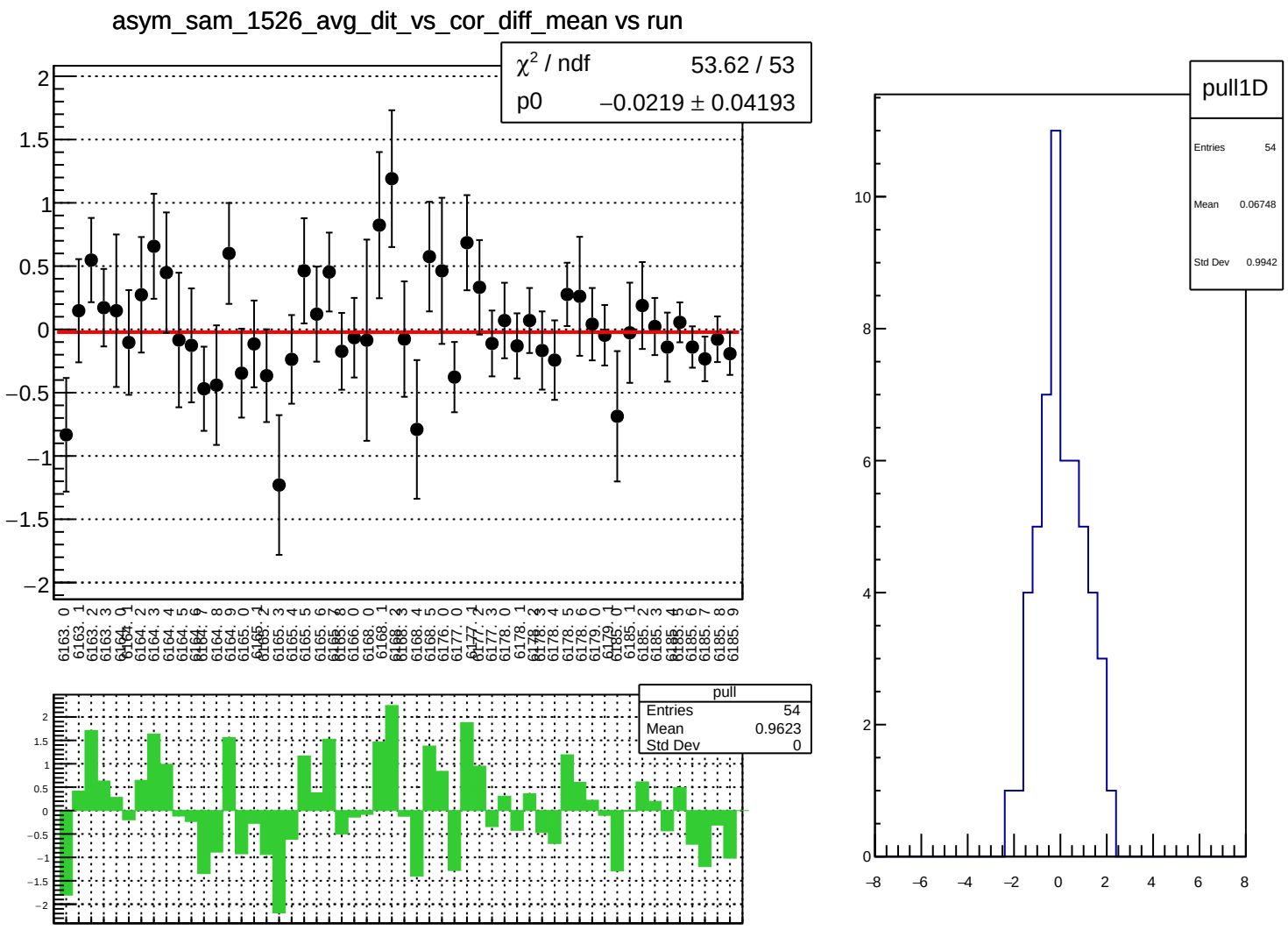

pull1D
Entries 54
Mean −0.03386
Std Dev 1.06
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

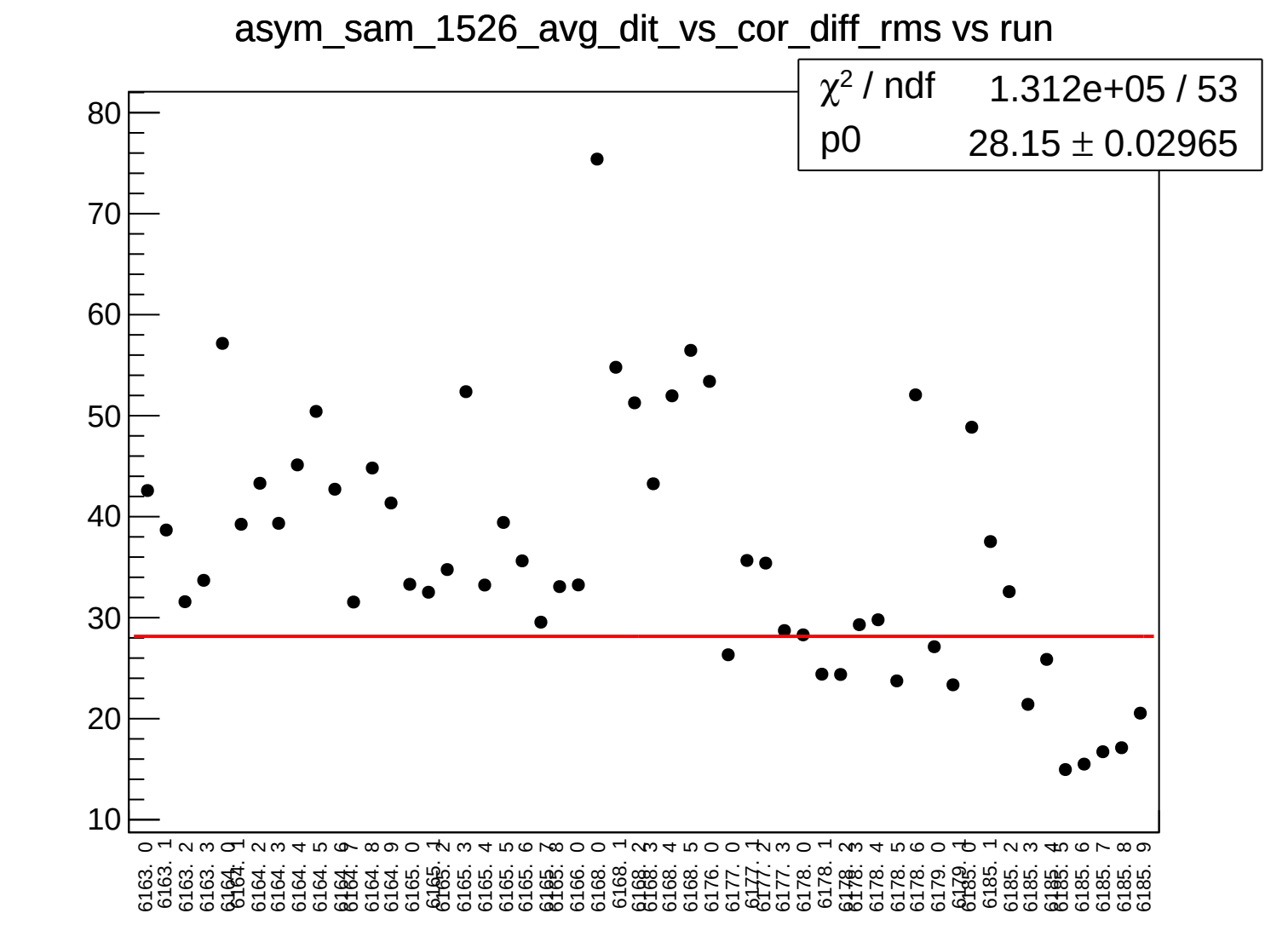

asym_sam_1526_avg_rms vs run
χ² / ndf 8.539e+04 / 53
p0 814.1 ± 0.8363
1400
1200
1000
800
600
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

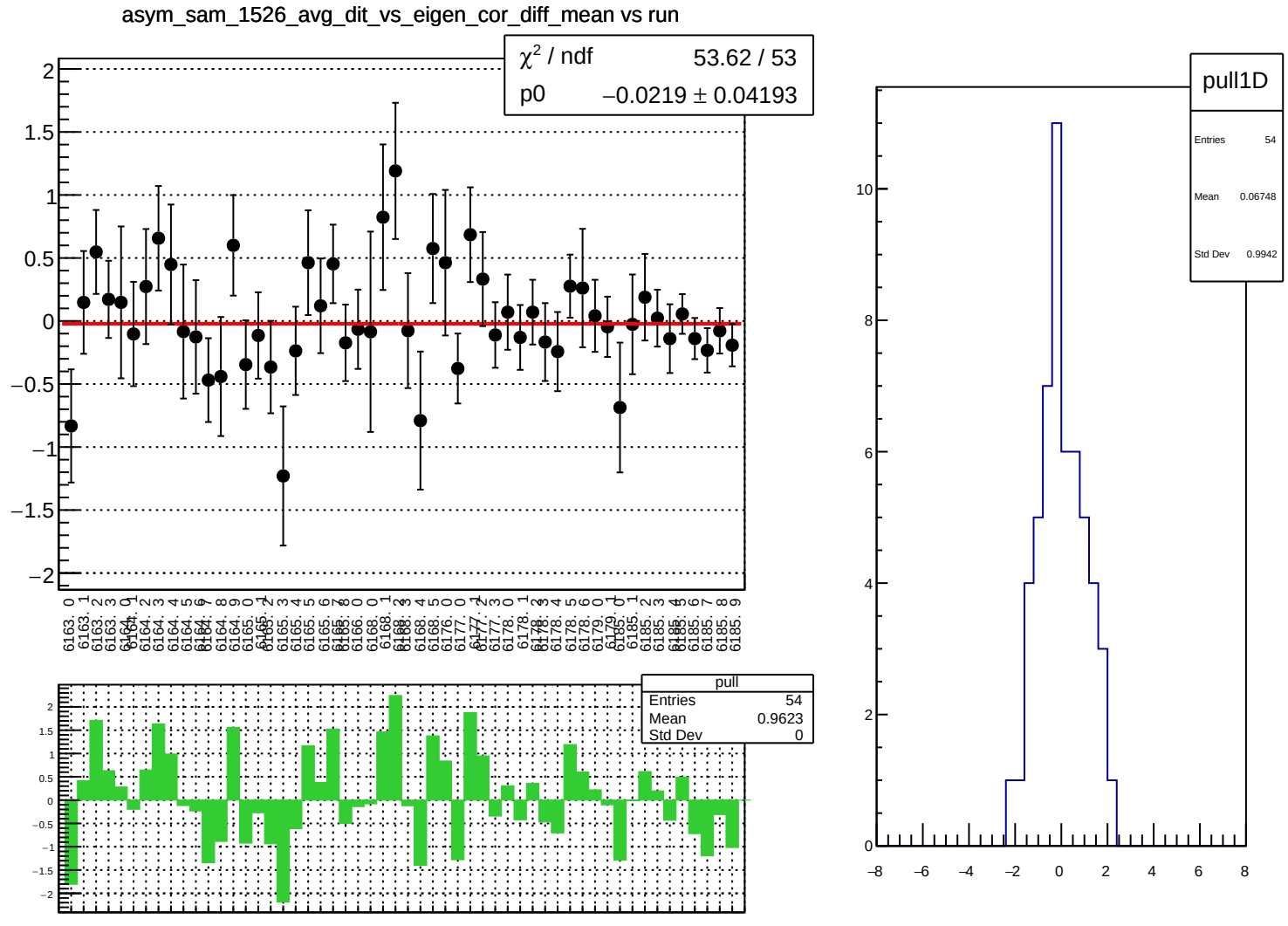

asym_sam_1526_avg_reg_vs_cor_diff_mean vs run
×10^−3
χ² / ndf 51.29 / 53
p0 −8.581e−14 ± 7.697e−14
0.4
0.2
0
−0.2
−0.4
pull
Entries 54
Mean 960.9
Std Dev 0
2
1
0
−1
−2
−3

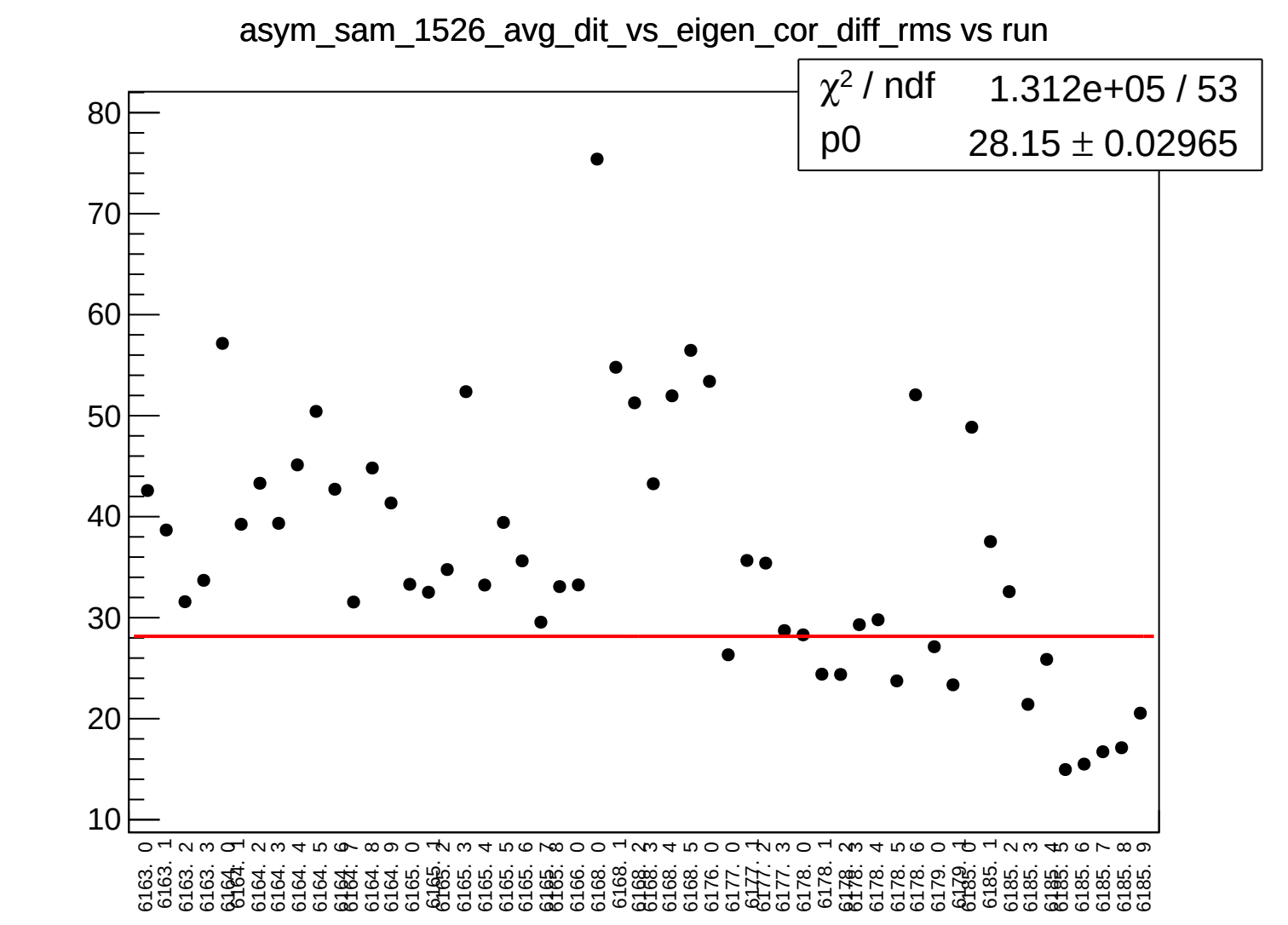

pull1D
Entries 54
Mean −0.003493
Std Dev 0.9746
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

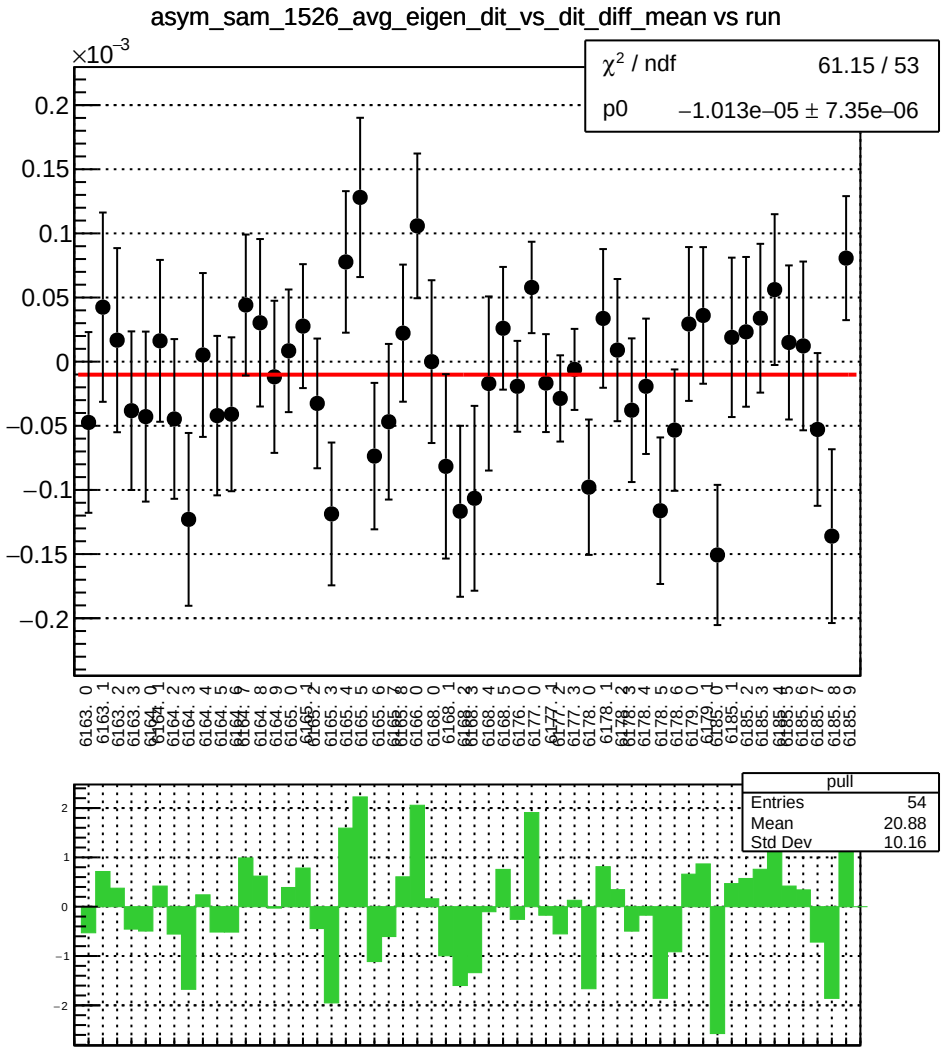

asym_sam_1526_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.903e+05 / 53
p0 3.186e−11 ± 5.442e−14
0.025
0.02
0.015
0.01
0.005
0
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

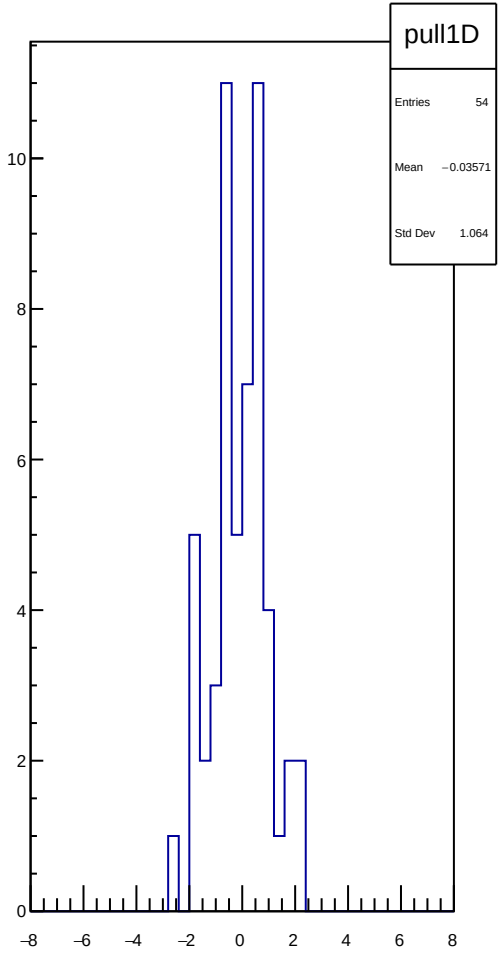

asym_sam_1526_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 53.62 / 53
p0 −0.0219 ± 0.04193
pull
Entries 54
Mean 0.9623
Std Dev 0
pull1D
Entries 54
Mean 0.06748
Std Dev 0.9942

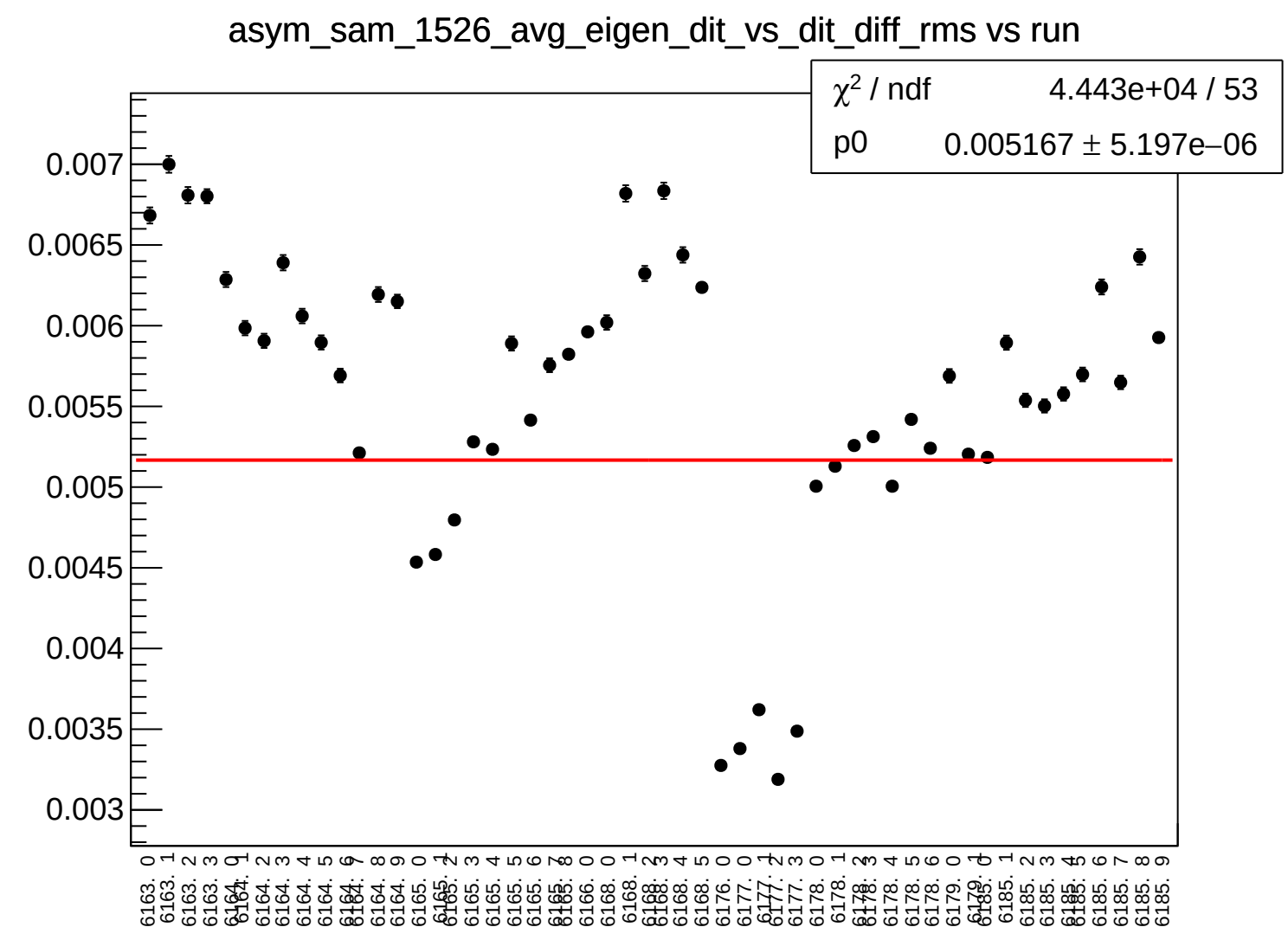

asym_sam_1526_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.312e+05 / 53
p0 28.15 ± 0.02965
80
70
60
50
40
30
20
10
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

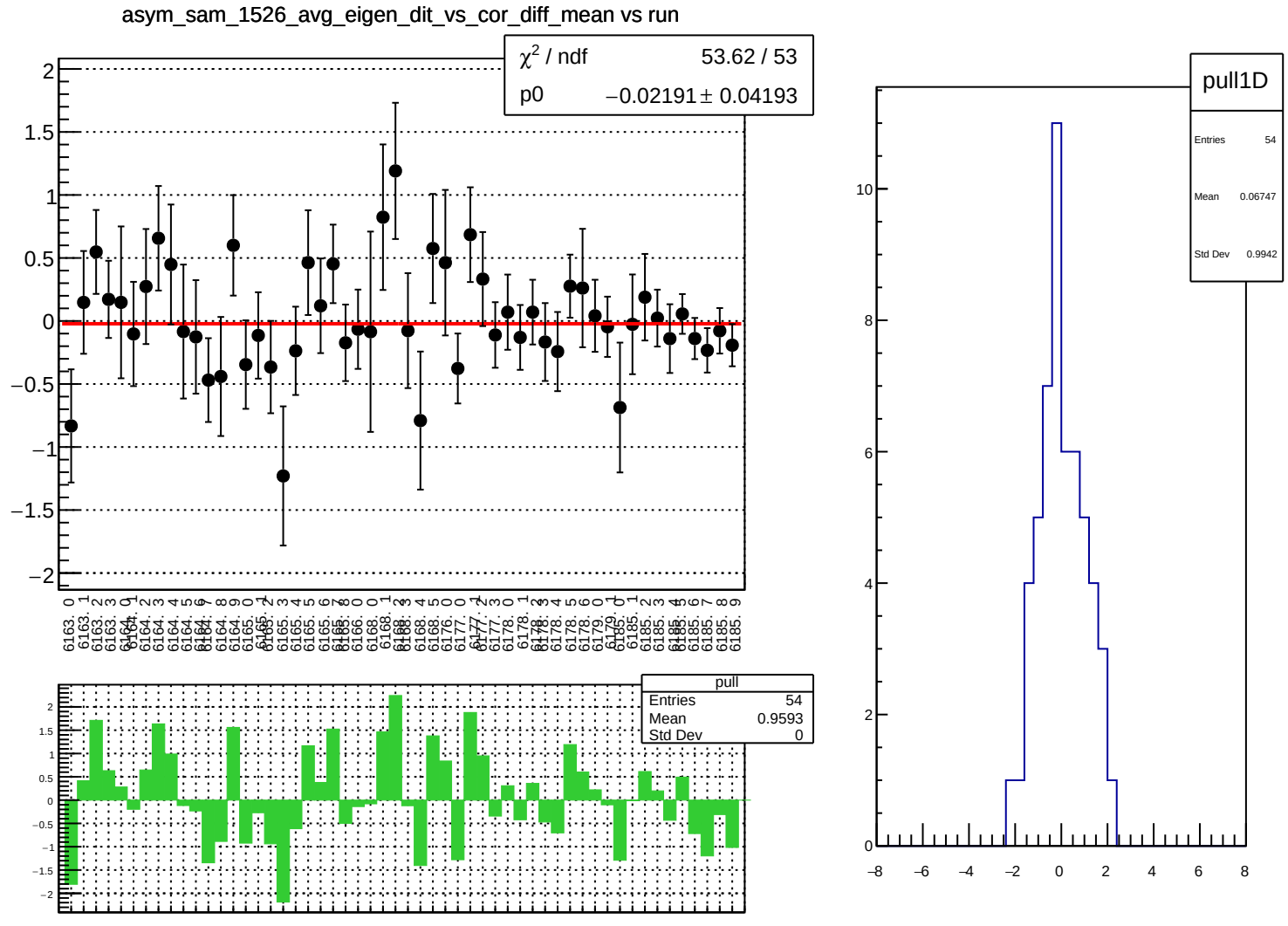

asym_sam_1526_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 53.62 / 53
p0 −0.0219 ± 0.04193
pull
Entries 54
Mean 0.9623
Std Dev 0
pull1D
Entries 54
Mean 0.06748
Std Dev 0.9942

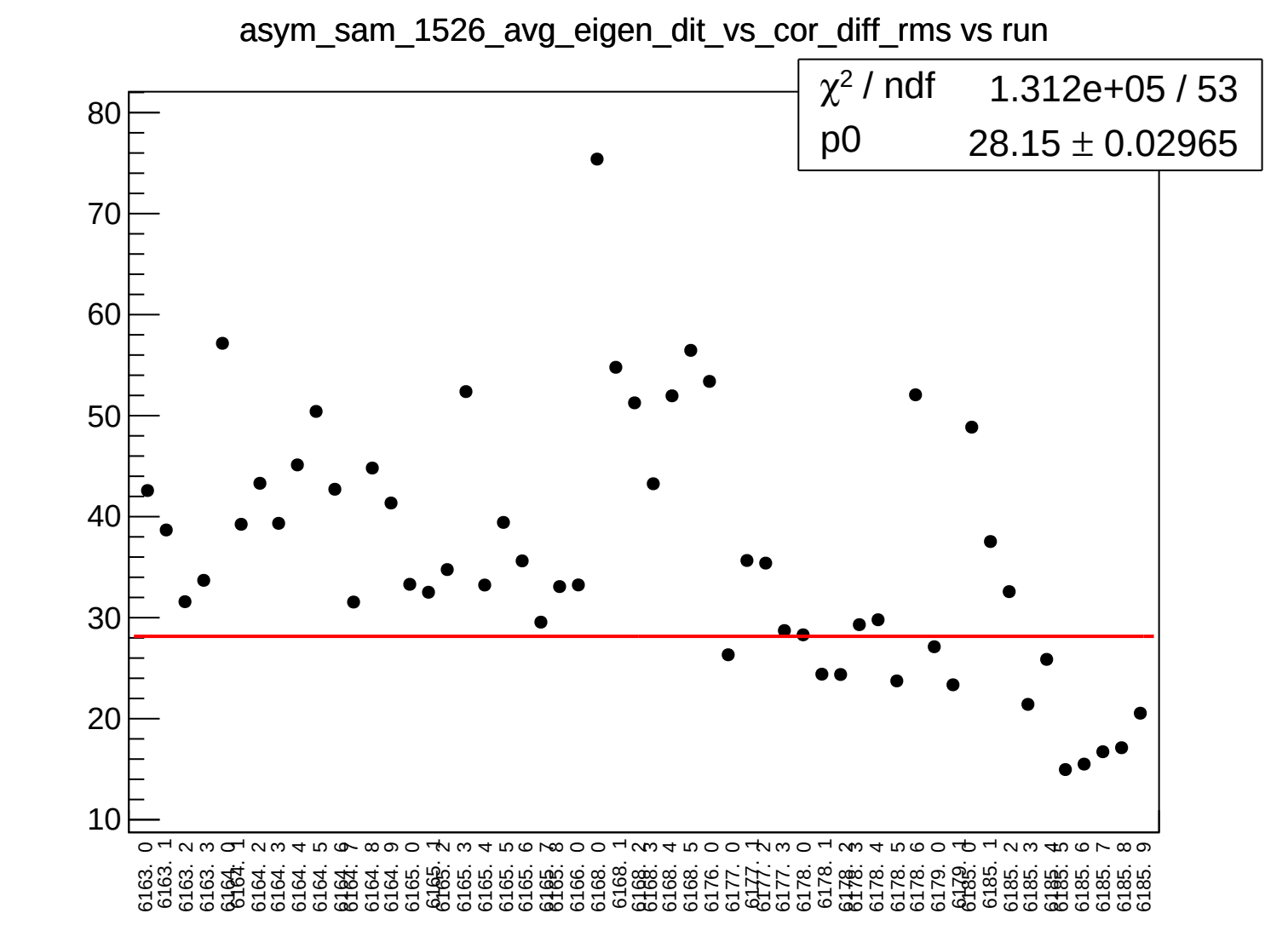

asym_sam_1526_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.312e+05 / 53
p0 28.15 ± 0.02965
80
70
60
50
40
30
20
10
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

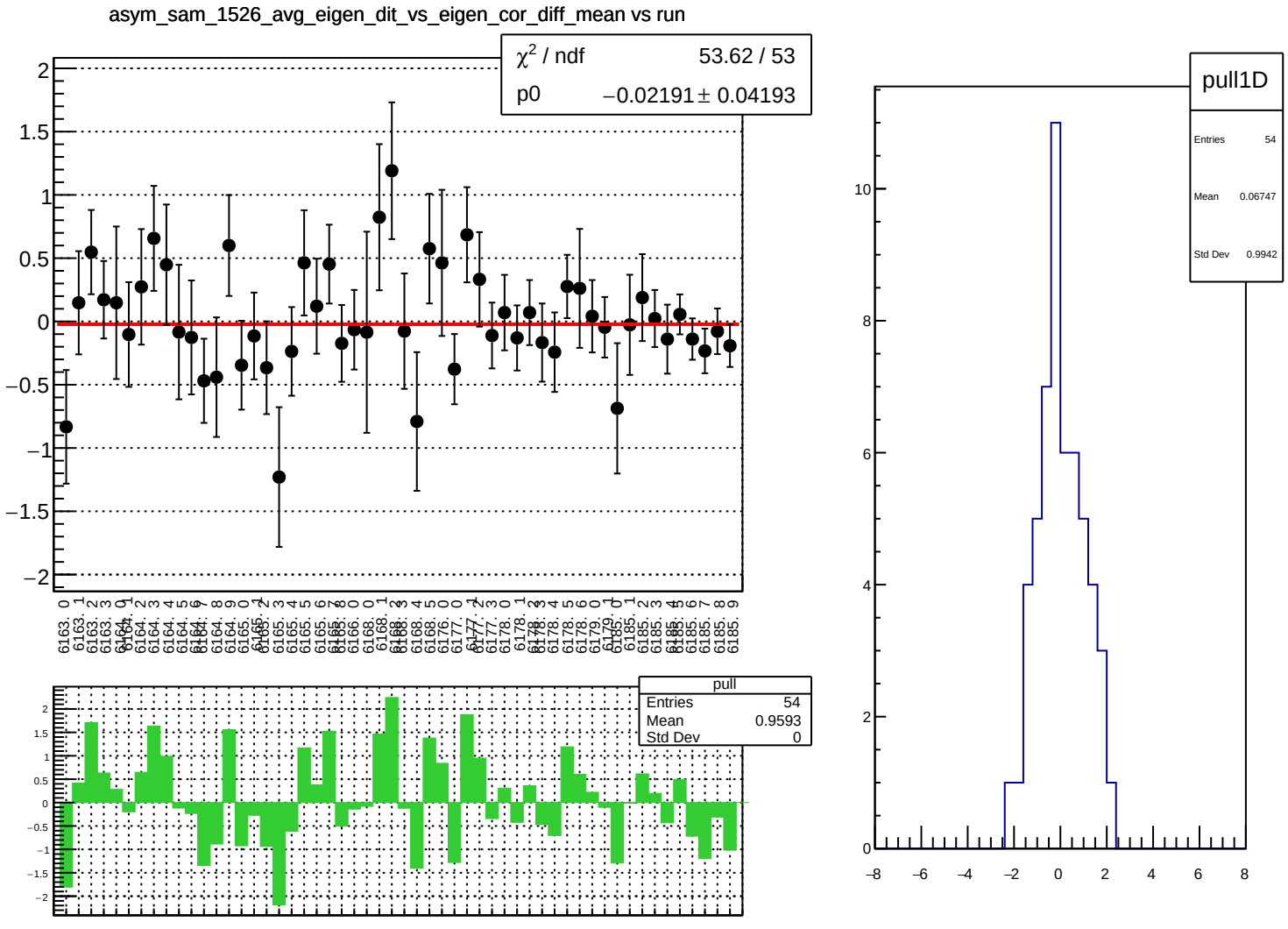

asym_sam_1526_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 61.15 / 53
p0 −1.013e−05 ± 7.35e−06
pull
Entries 54
Mean 20.88
Std Dev 10.16

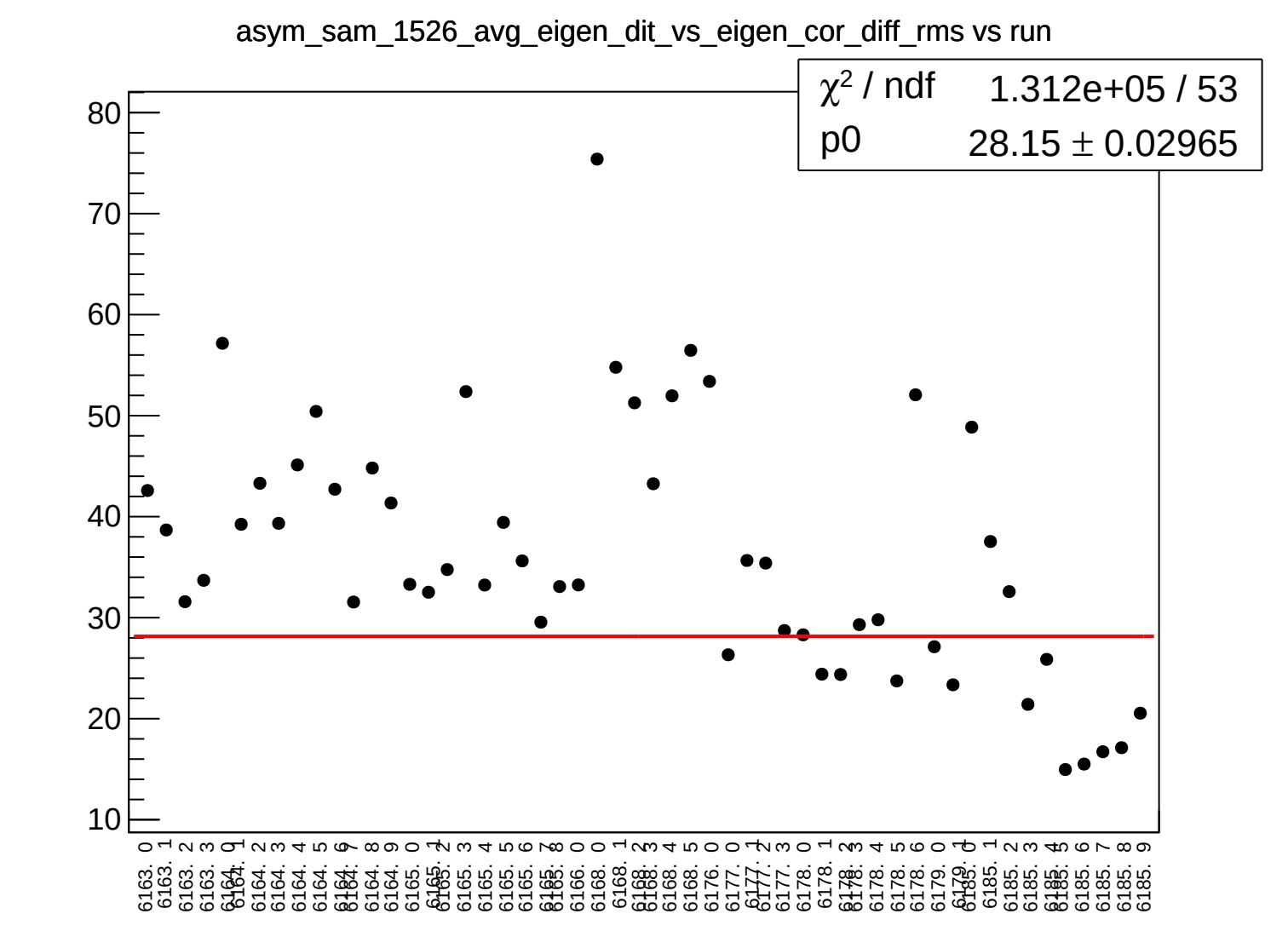

pull1D
Entries 54
Mean −0.03571
Std Dev 1.064

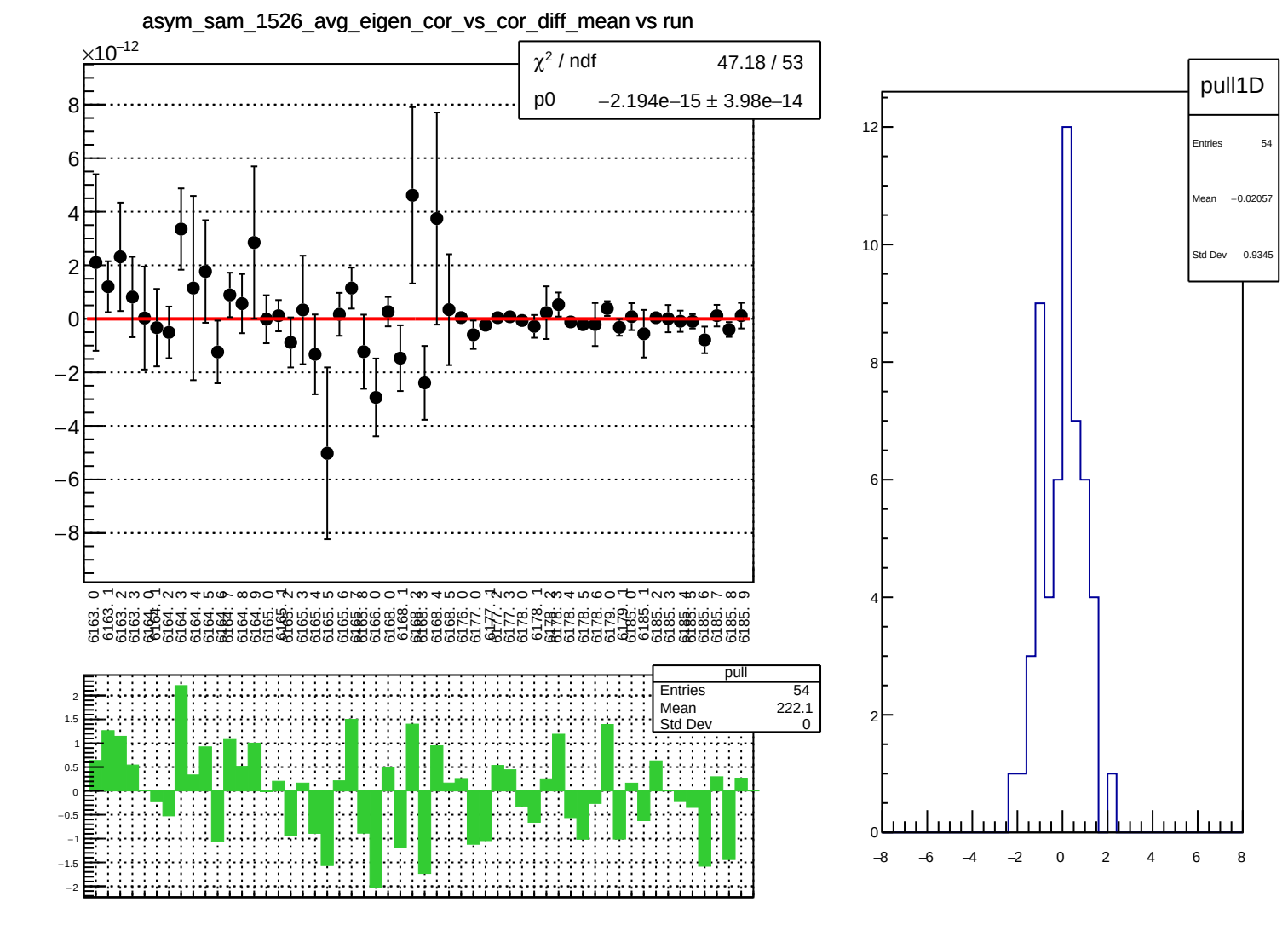

asym_sam_1526_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4.443e+04 / 53
p0 0.005167 ± 5.197e−06
0.007
0.0065
0.006
0.0055
0.005
0.0045
0.004
0.0035
0.003

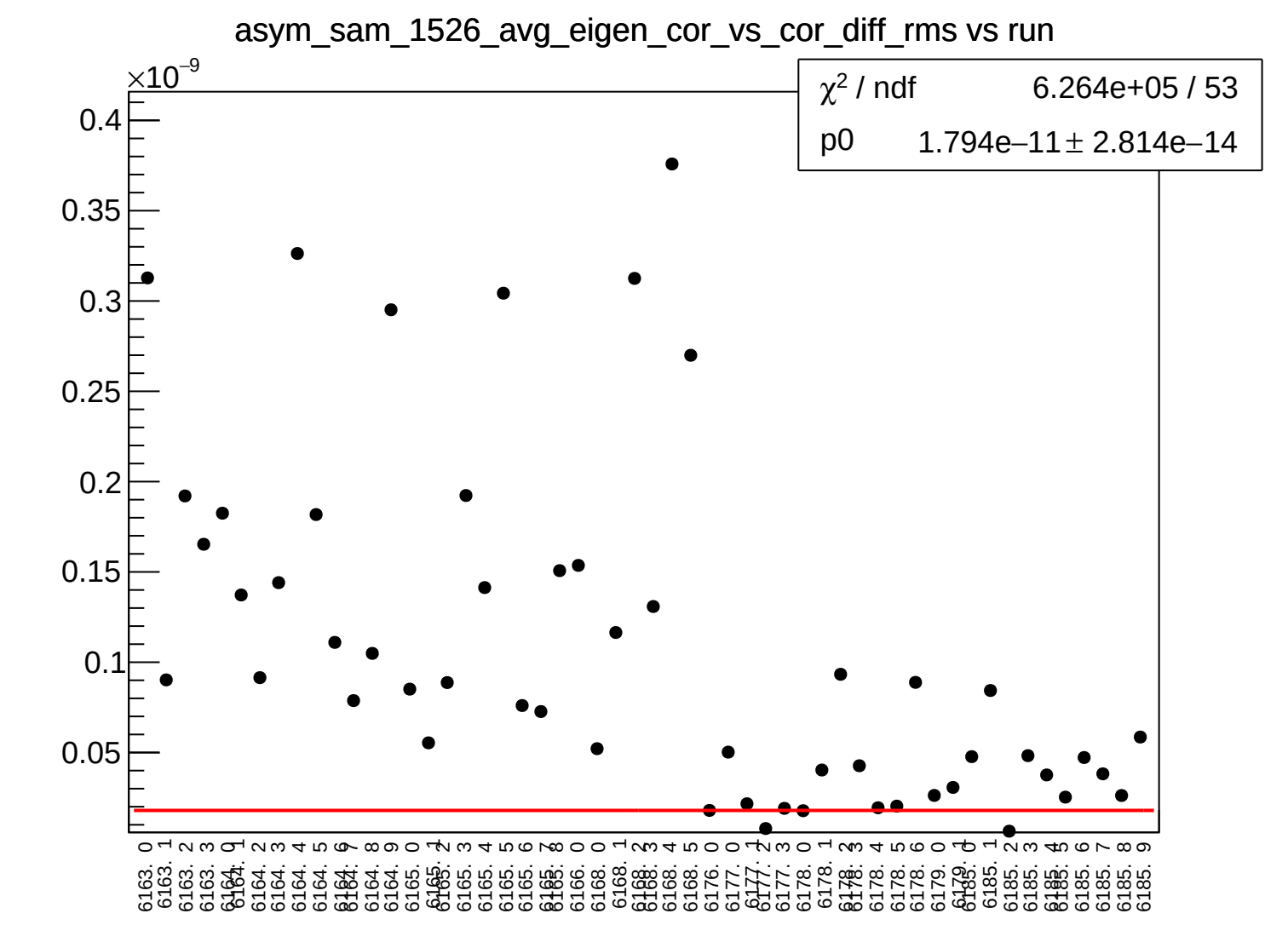

asym_sam_1526_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 53.62 / 53
p0 −0.02191 ± 0.04193
pull
Entries 54
Mean 0.9593
Std Dev 0
pull1D
Entries 54
Mean 0.06747
Std Dev 0.9942

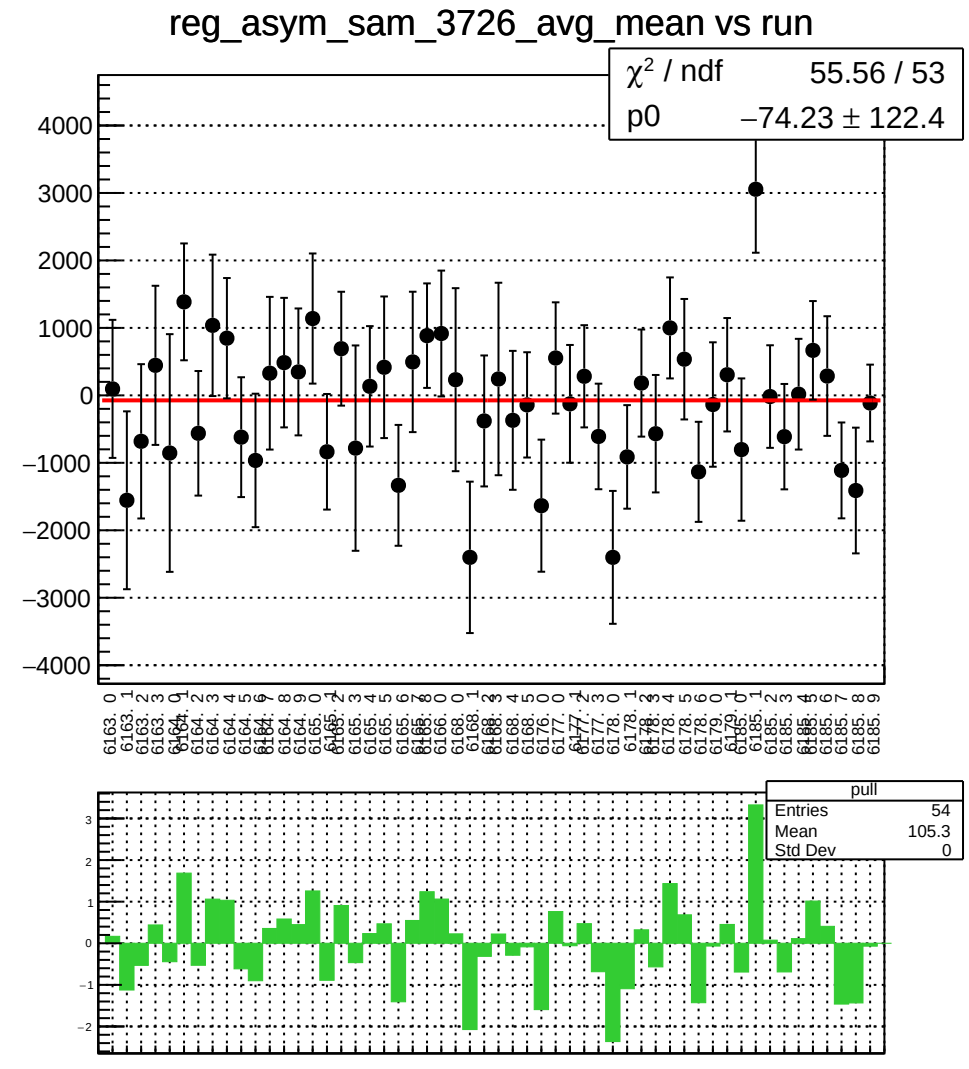

asym_sam_1526_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.312e+05 / 53
p0 28.15 ± 0.02965
80
70
60
50
40
30
20
10
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

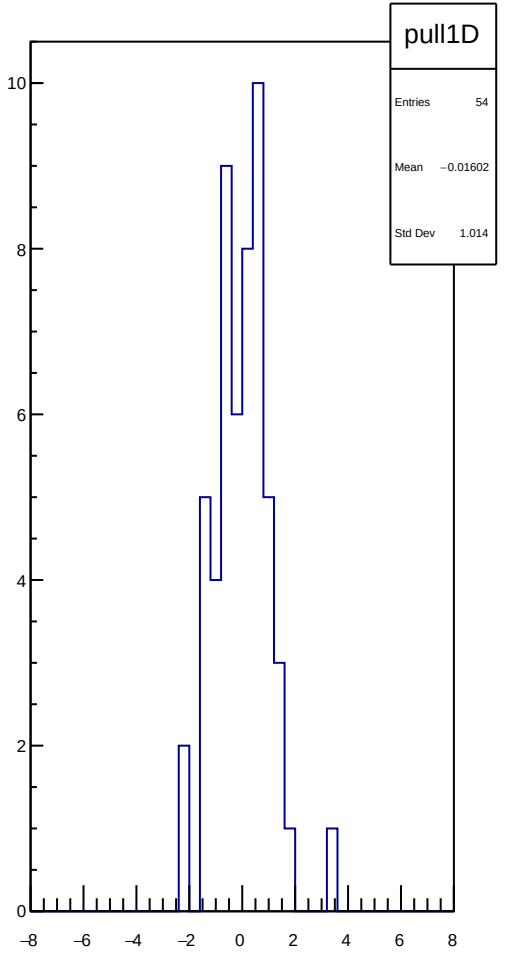

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 53.62 / 53
p0 −0.02191 ± 0.04193
pull
Entries 54
Mean 0.9593
Std Dev 0
pull1D
Entries 54
Mean 0.06747
Std Dev 0.9942

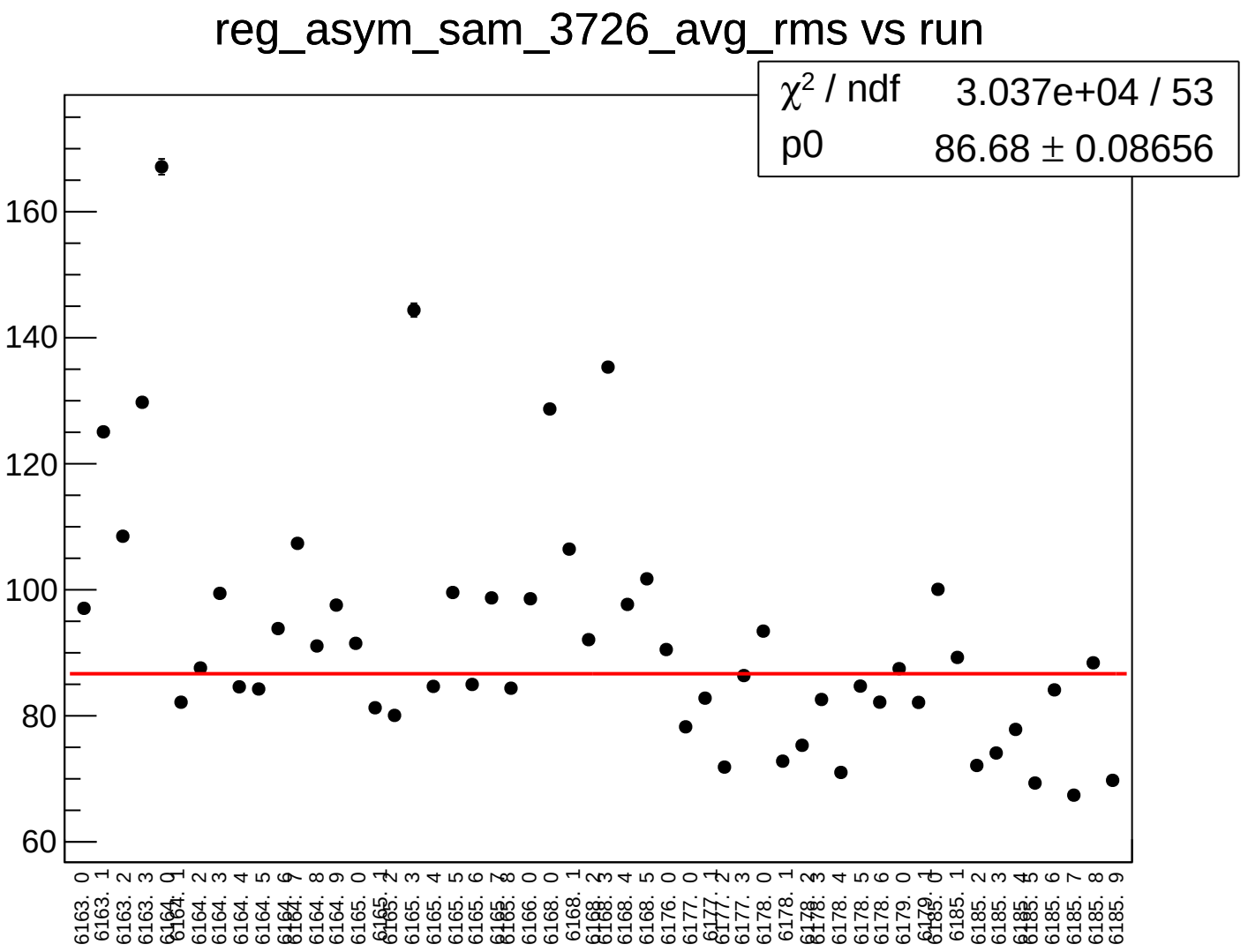

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.312e+05 / 53
p0 28.15 ± 0.02965
80
70
60
50
40
30
20
10
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

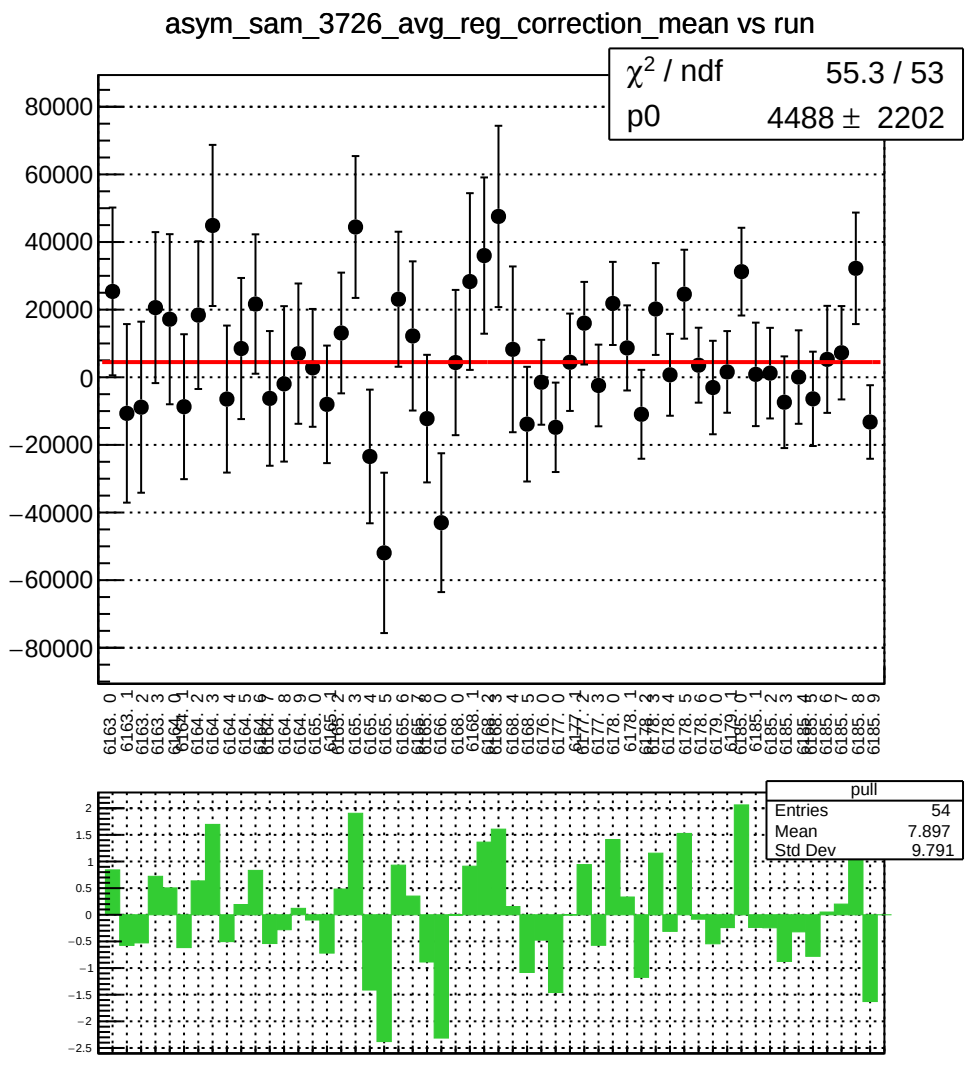

asym_sam_1526_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 47.18 / 53
p0 −2.194e−15 ± 3.98e−14
pull
Entries 54
Mean 222.1
Std Dev 0
pull1D
Entries 54
Mean −0.02057
Std Dev 0.9345

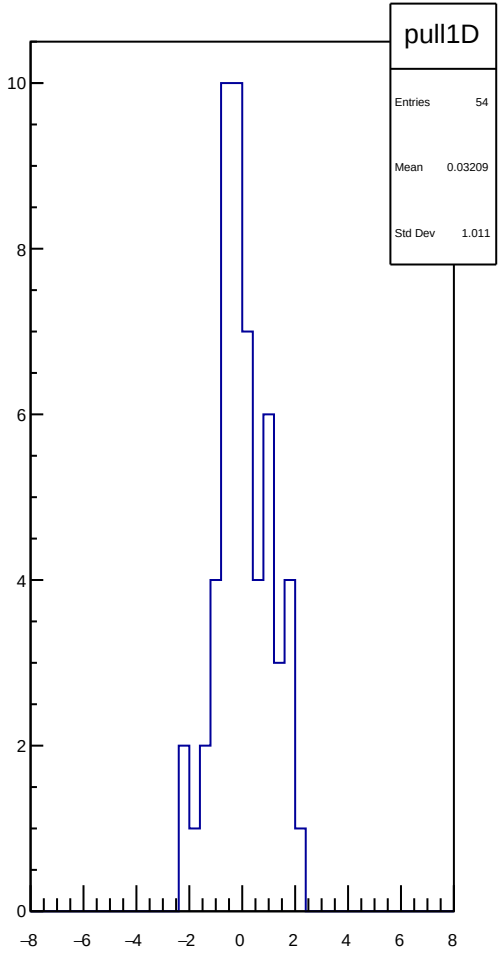

asym_sam_1526_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.264e+05 / 53
p0 1.794e−11 ± 2.814e−14
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

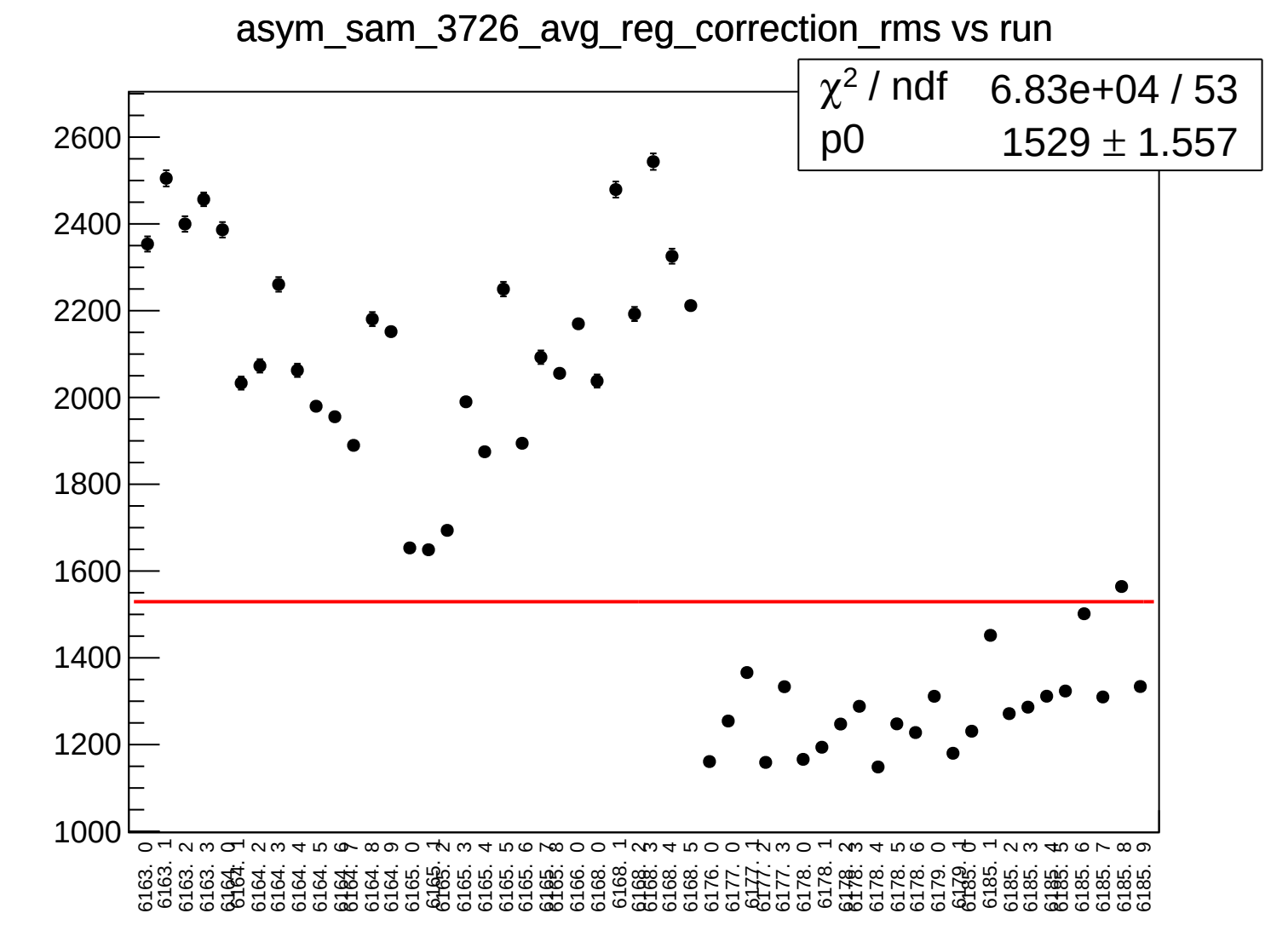

reg_asym_sam_3726_avg_mean vs run
χ² / ndf 55.56 / 53
p0 −74.23 ± 122.4
pull
Entries 54
Mean 105.3
Std Dev 0

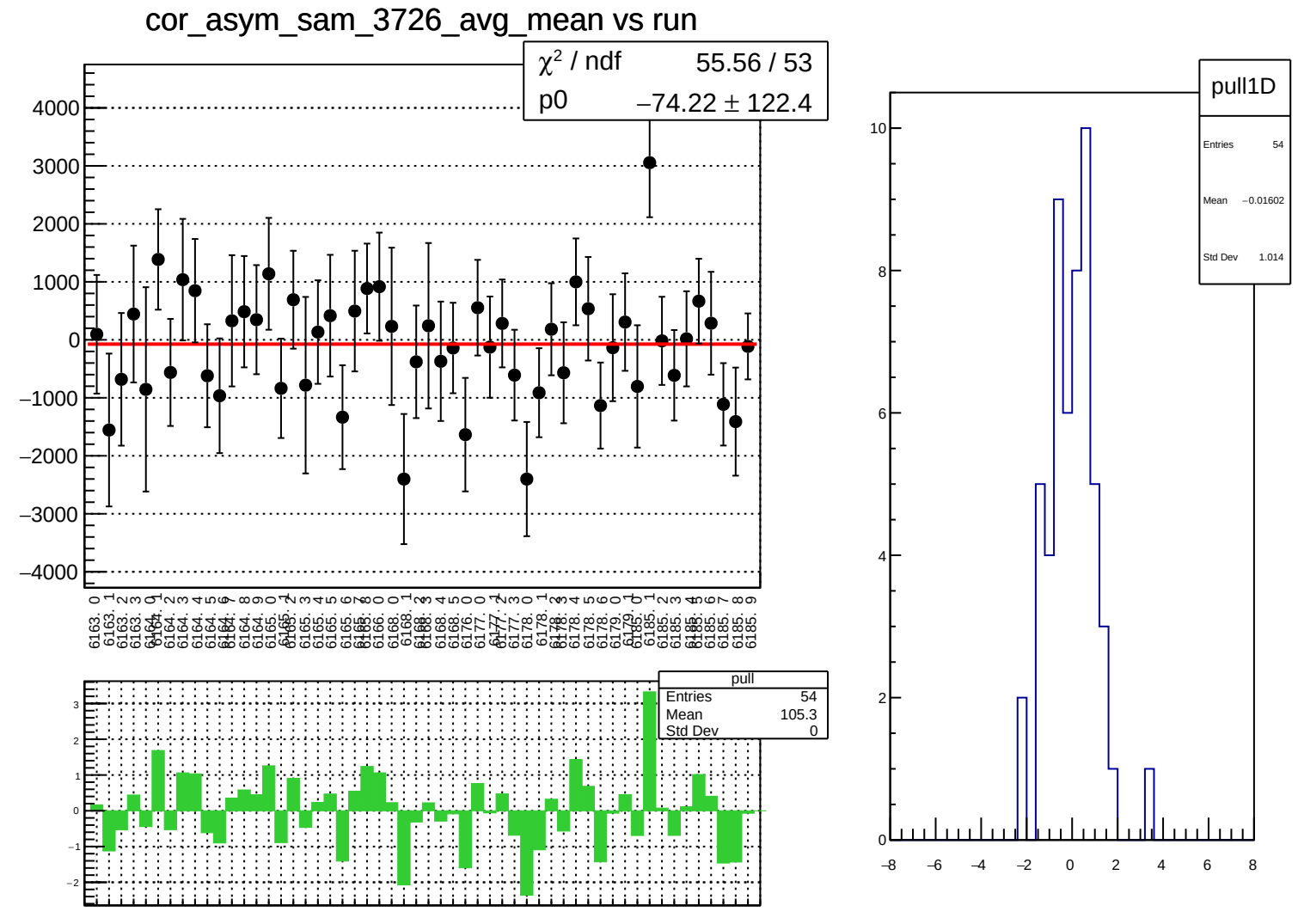

pull1D
Entries 54
Mean −0.01602
Std Dev 1.014

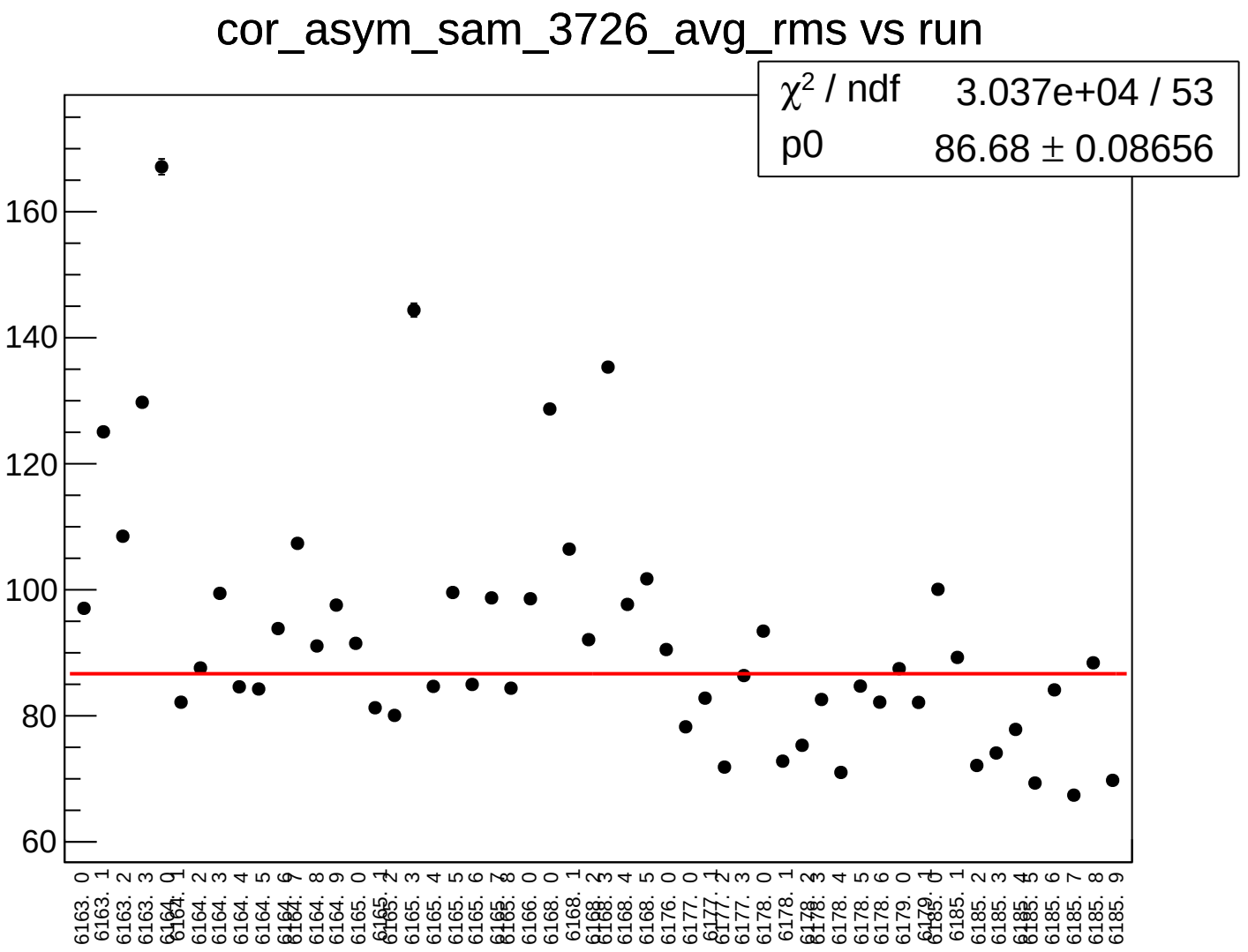

reg_asym_sam_3726_avg_rms vs run
χ² / ndf 3.037e+04 / 53
p0 86.68 ± 0.08656
160
140
120
100
80
60
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

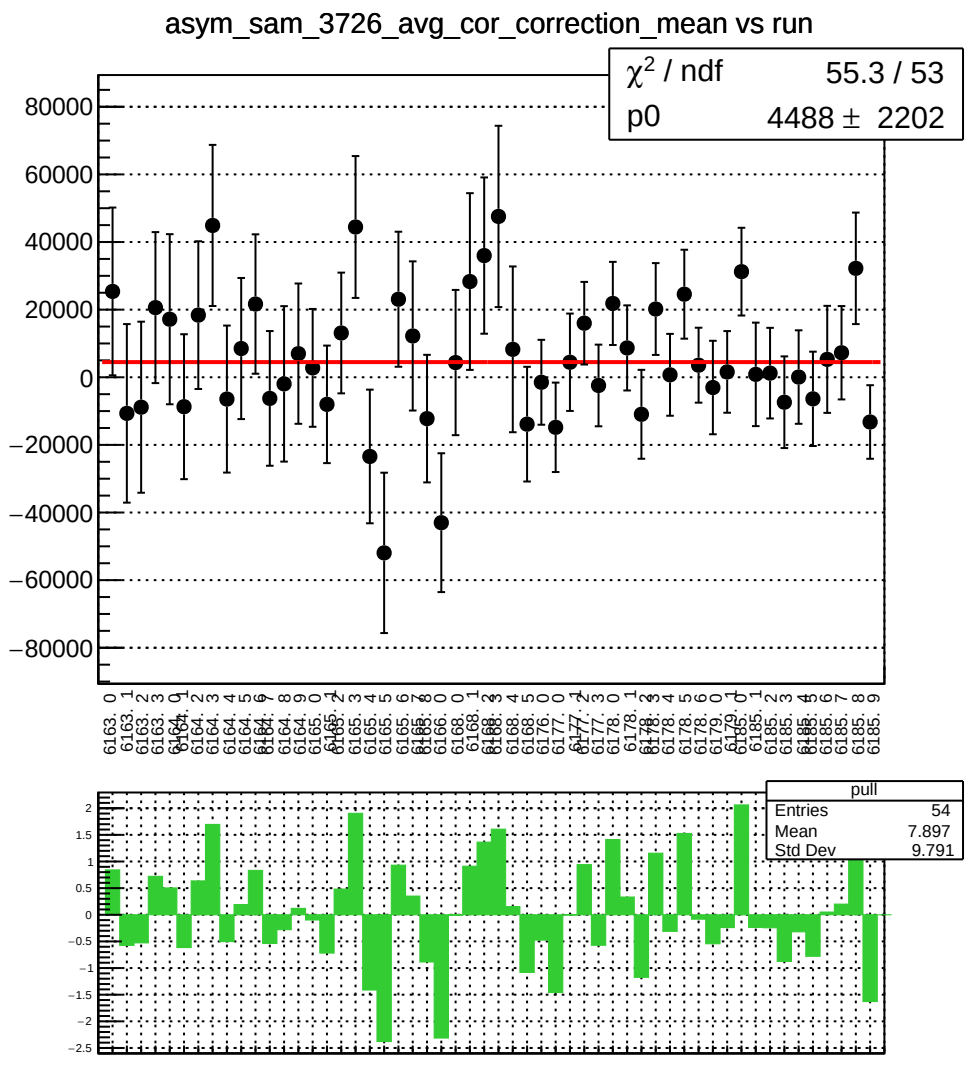

asym_sam_3726_avg_reg_correction_mean vs run
χ² / ndf 55.3 / 53
p0 4488 ± 2202
pull
Entries 54
Mean 7.897
Std Dev 9.791

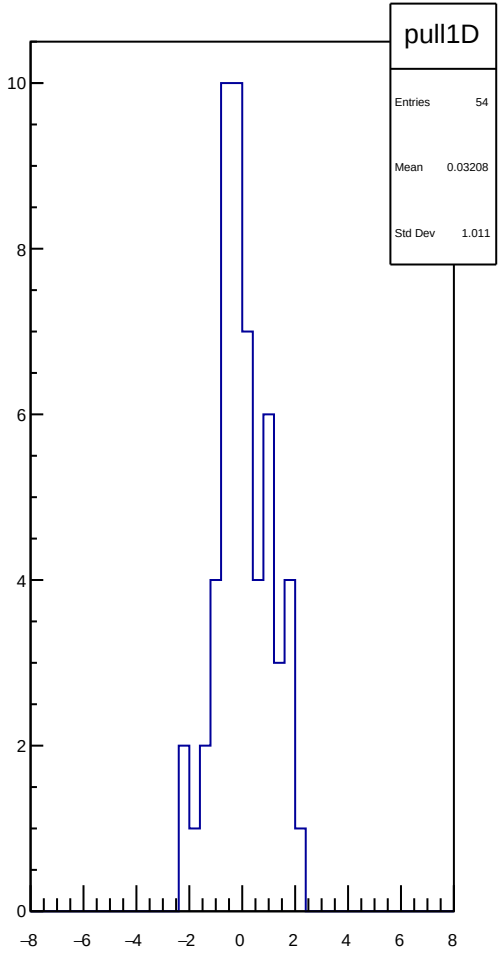

pull1D
Entries 54
Mean 0.03209
Std Dev 1.011

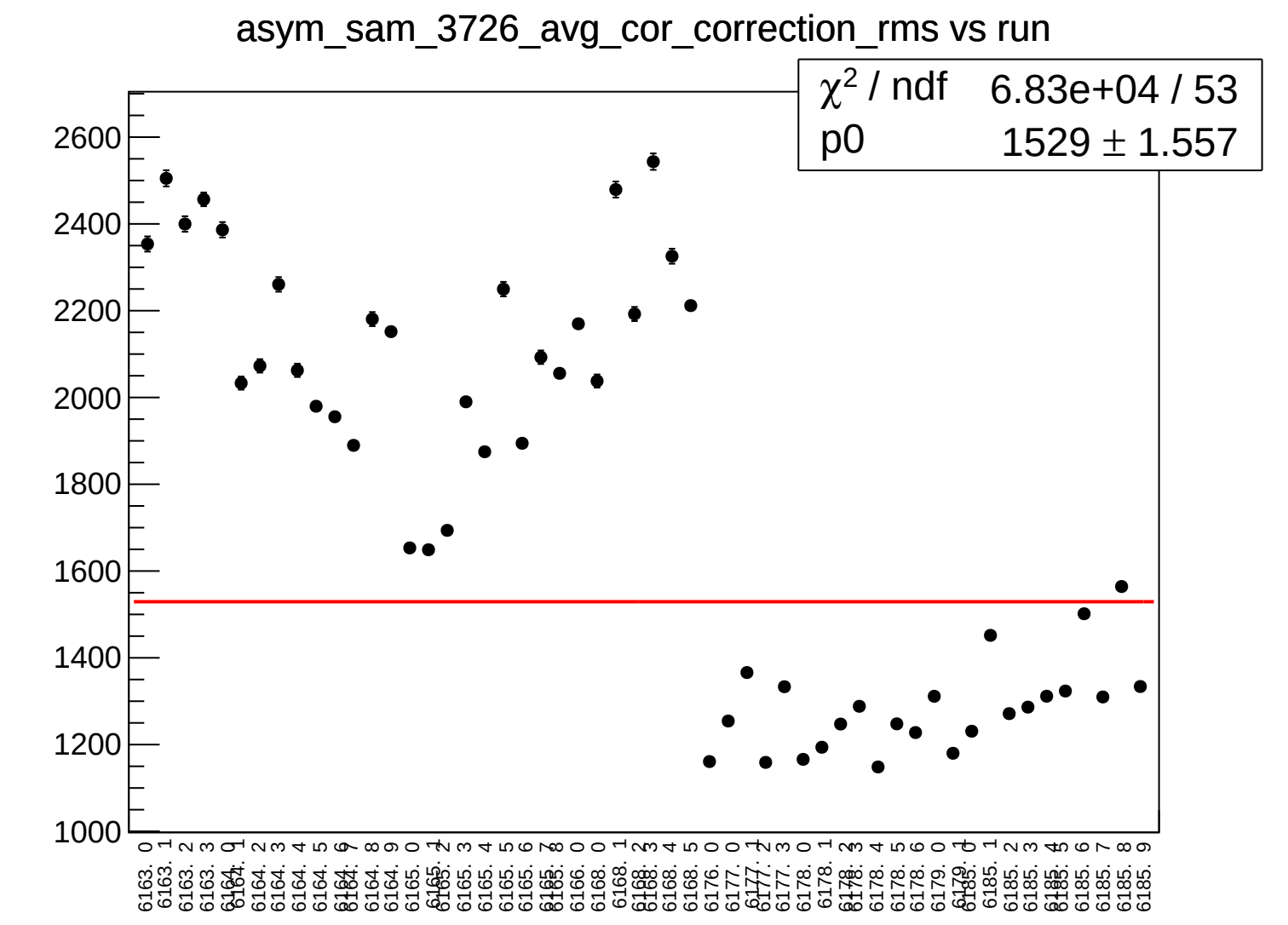

asym_sam_3726_avg_reg_correction_rms vs run
χ² / ndf 6.83e+04 / 53
p0 1529 ± 1.557
2600
2400
2200
2000
1800
1600
1400
1200
1000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


cor_asym_sam_3726_avg_mean vs run
χ² / ndf 55.56 / 53
p0 −74.22 ± 122.4
pull
Entries 54
Mean 105.3
Std Dev 0
pull1D
Entries 54
Mean −0.01602
Std Dev 1.014


cor_asym_sam_3726_avg_rms vs run
χ² / ndf 3.037e+04 / 53
p0 86.68 ± 0.08656
160
140
120
100
80
60
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


asym_sam_3726_avg_cor_correction_mean vs run
χ² / ndf 55.3 / 53
p0 4488 ± 2202
pull
Entries 54
Mean 7.897
Std Dev 9.791


pull1D
Entries 54
Mean 0.03208
Std Dev 1.011


asym_sam_3726_avg_cor_correction_rms vs run
χ² / ndf 6.83e+04 / 53
p0 1529 ± 1.557
2600
2400
2200
2000
1800
1600
1400
1200
1000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
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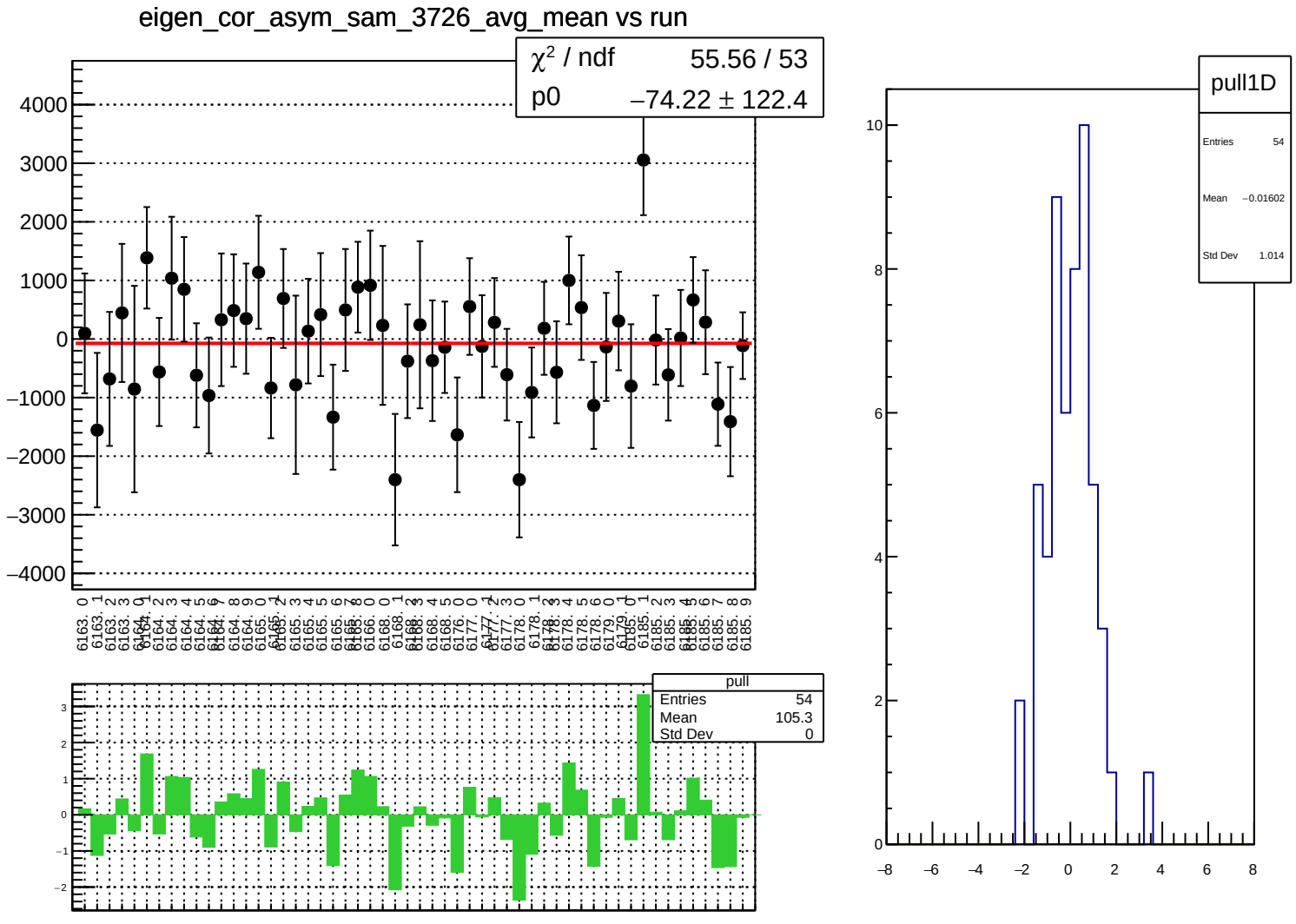
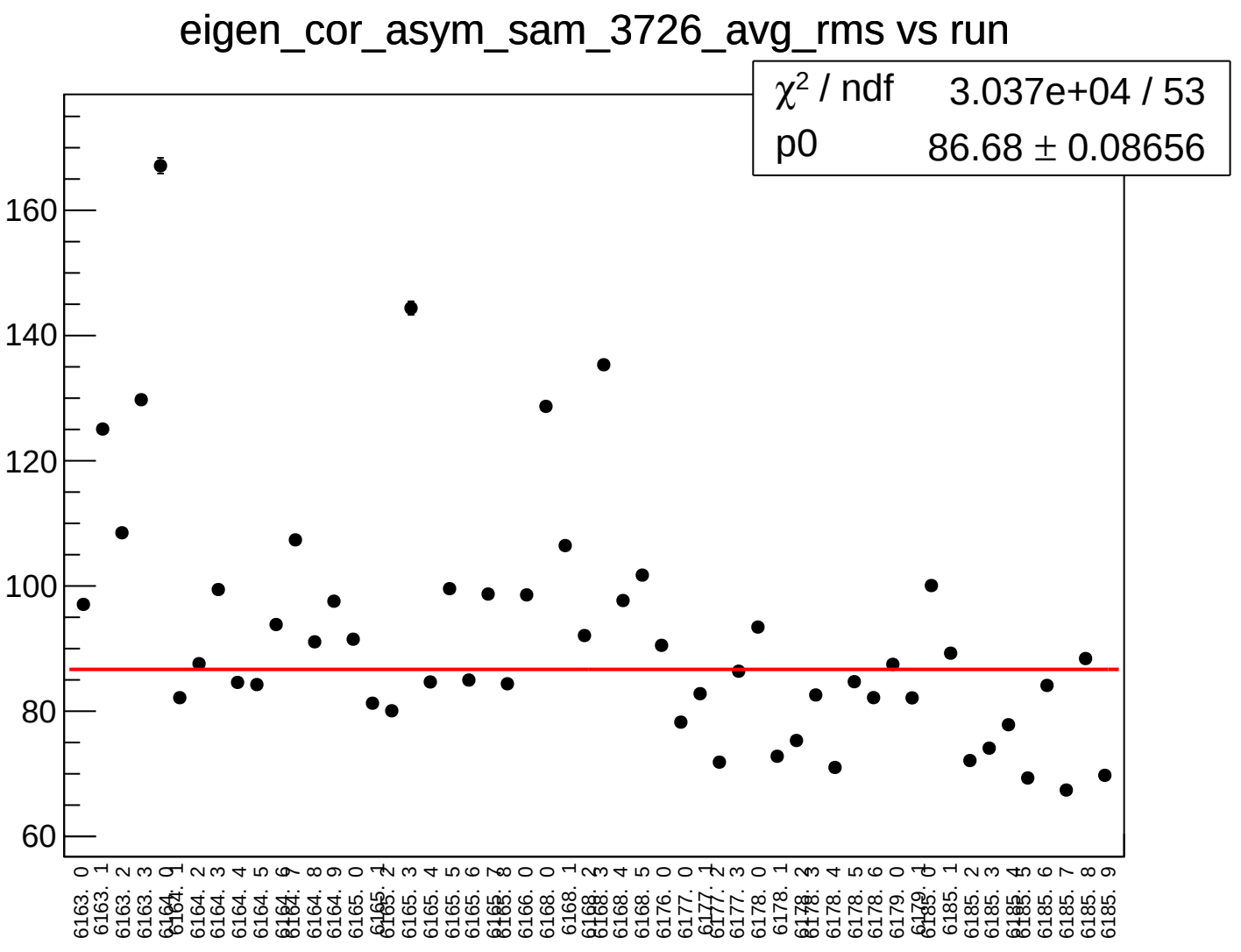
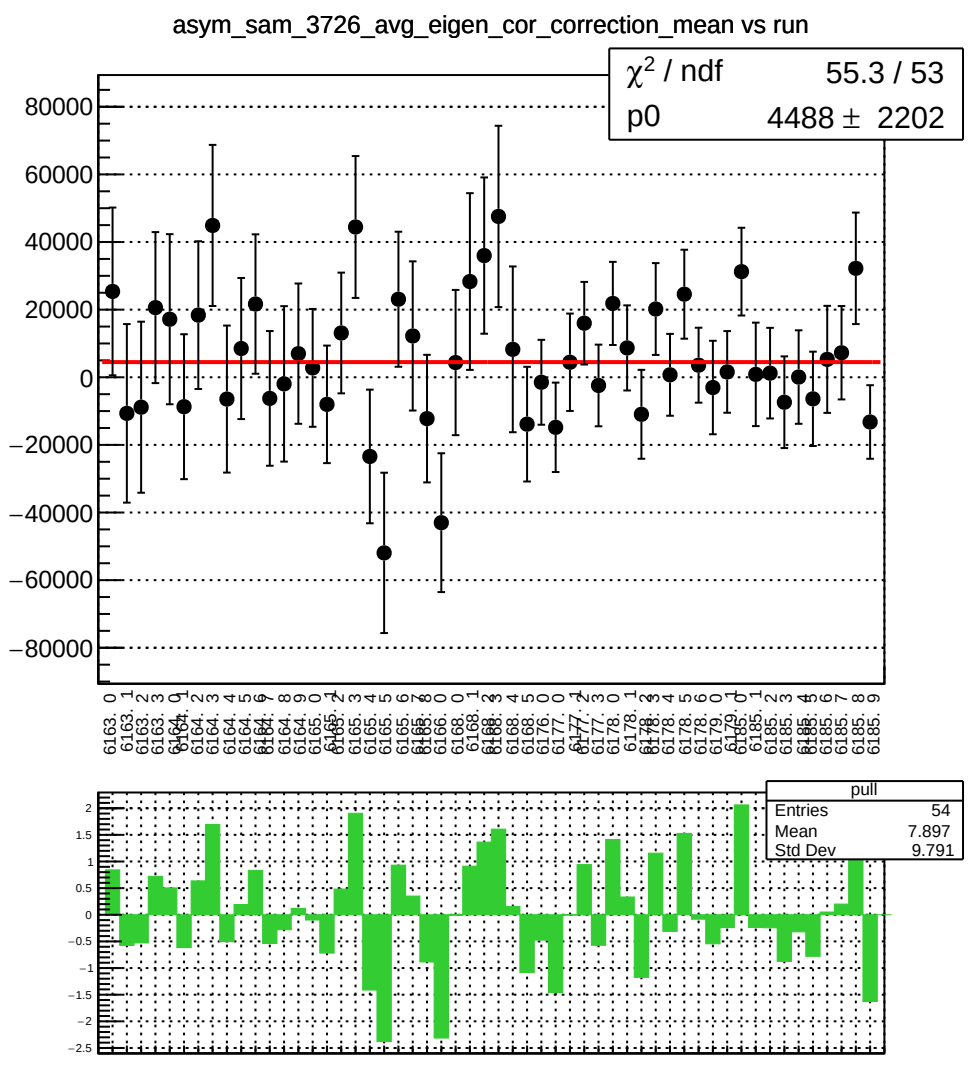
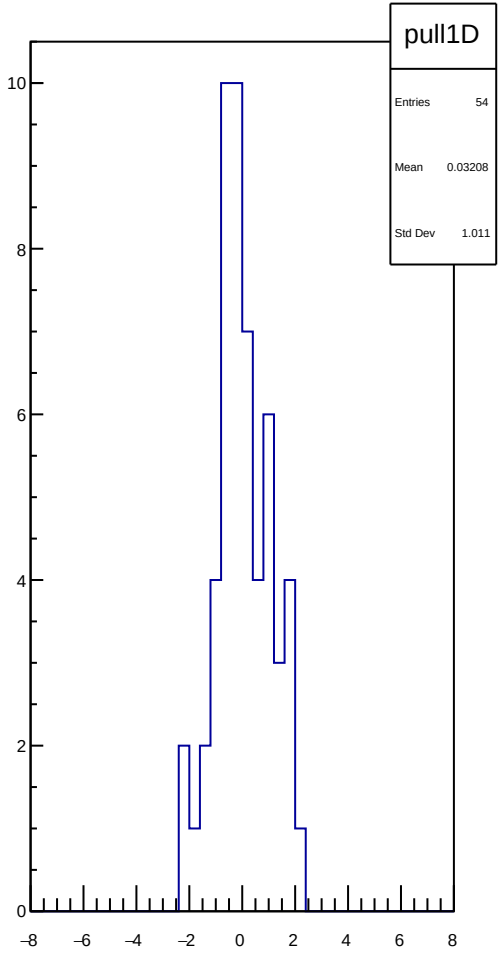
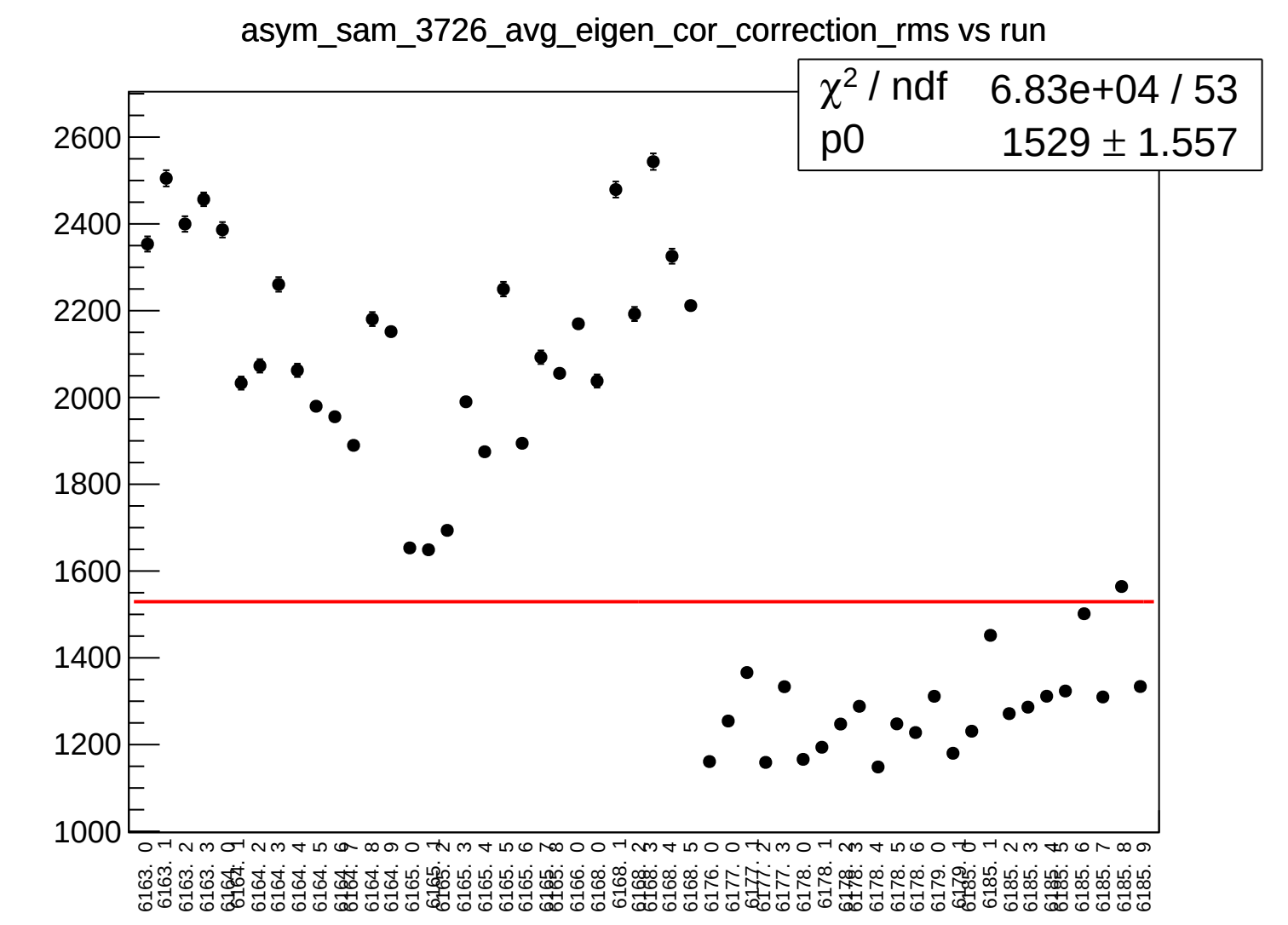
6185. 8
6185. 9

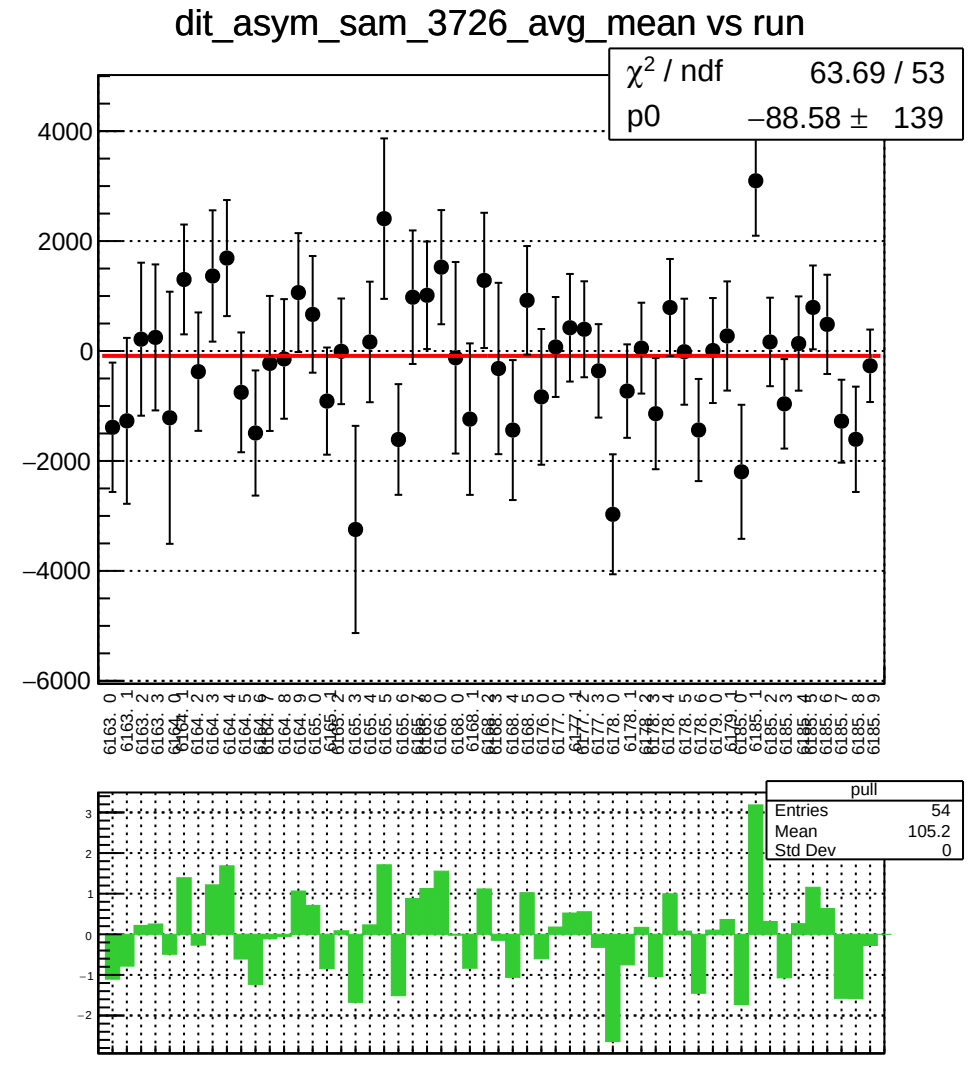

eigen_cor_asym_sam_3726_avg_mean vs run
χ² / ndf 55.56 / 53
p0 −74.22 ± 122.4
pull
Entries 54
Mean 105.3
Std Dev 0
pull1D
Entries 54
Mean −0.01602
Std Dev 1.014

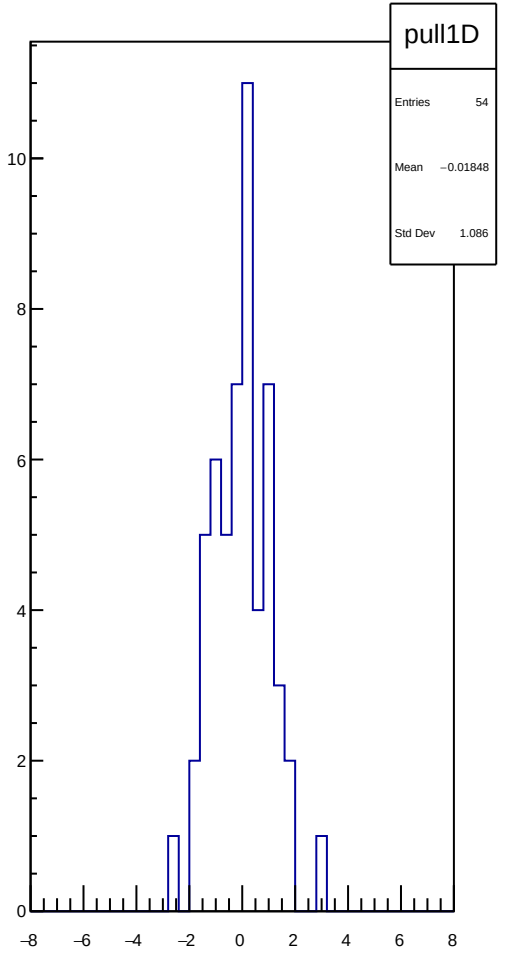

eigen_cor_asym_sam_3726_avg_rms vs run
χ² / ndf 3.037e+04 / 53
p0 86.68 ± 0.08656
160
140
120
100
80
60
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

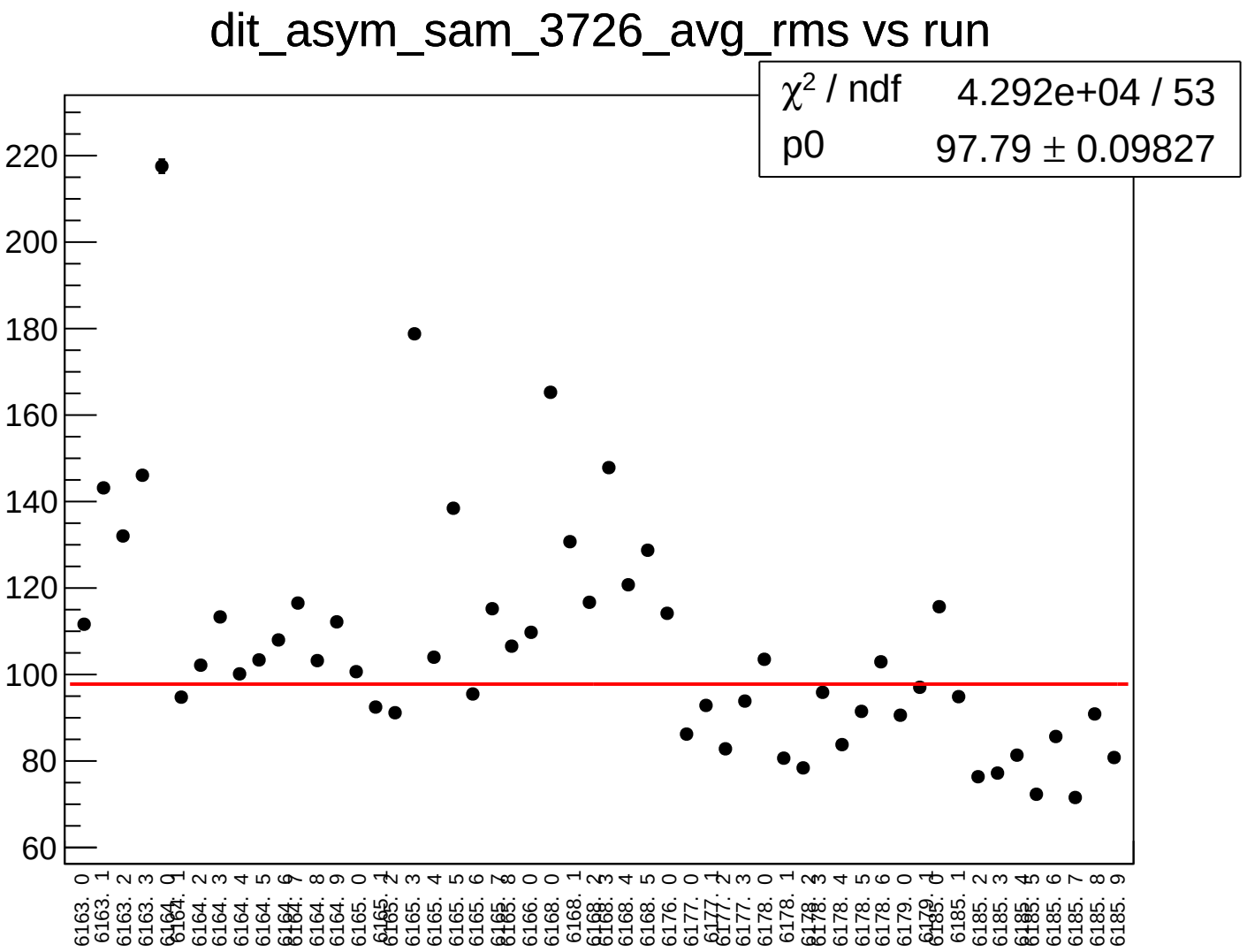

asym_sam_3726_avg_eigen_cor_correction_mean vs run
χ² / ndf 55.3 / 53
p0 4488 ± 2202
pull
Entries 54
Mean 7.897
Std Dev 9.791


pull1D
Entries 54
Mean 0.03208
Std Dev 1.011


asym_sam_3726_avg_eigen_cor_correction_rms vs run
χ² / ndf 6.83e+04 / 53
p0 1529 ± 1.557
2600
2400
2200
2000
1800
1600
1400
1200
1000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


dit_asym_sam_3726_avg_mean vs run
χ² / ndf 63.69 / 53
p0 −88.58 ± 139
pull
Entries 54
Mean 105.2
Std Dev 0


pull1D
Entries 54
Mean −0.01848
Std Dev 1.086


dit_asym_sam_3726_avg_rms vs run
χ^2 / ndf 4.292e+04 / 53
p0 97.79 ± 0.09827
220
200
180
160
140
120
100
80
60
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
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6185. 6
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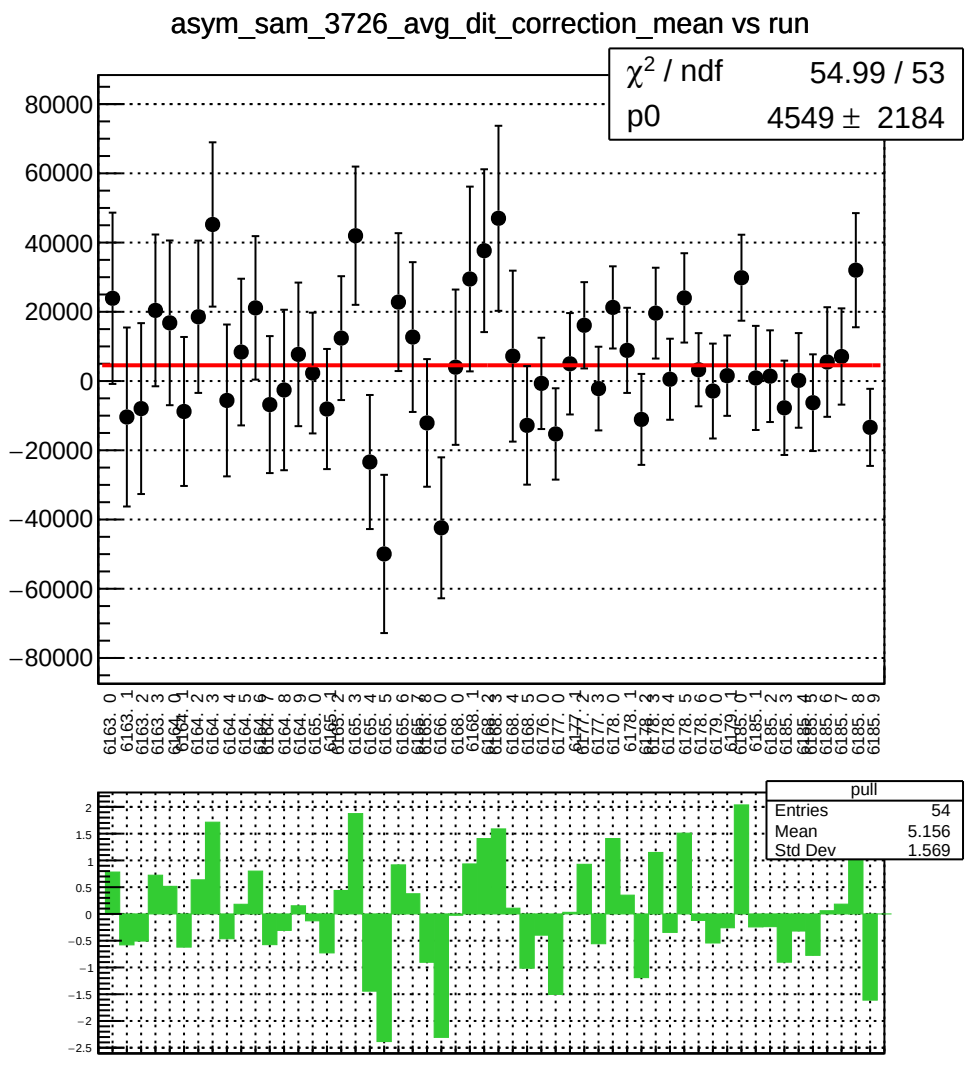
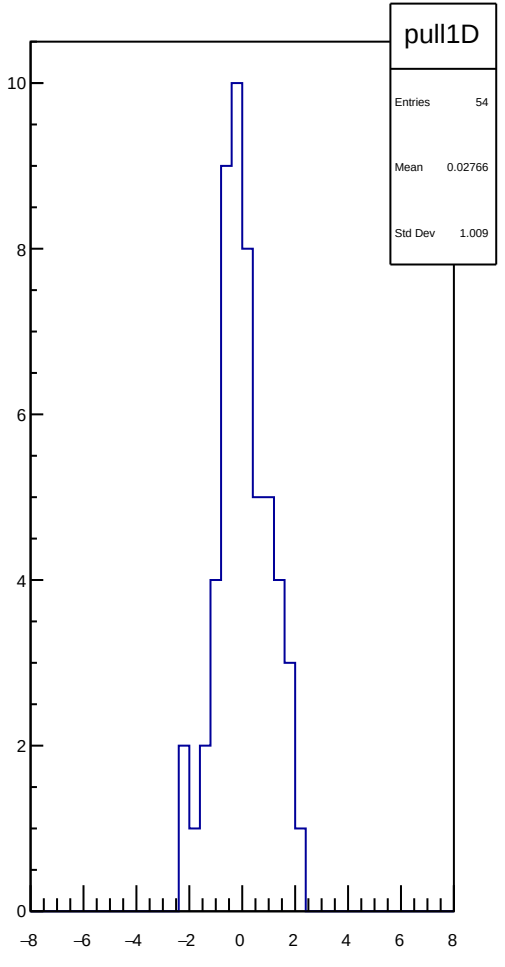
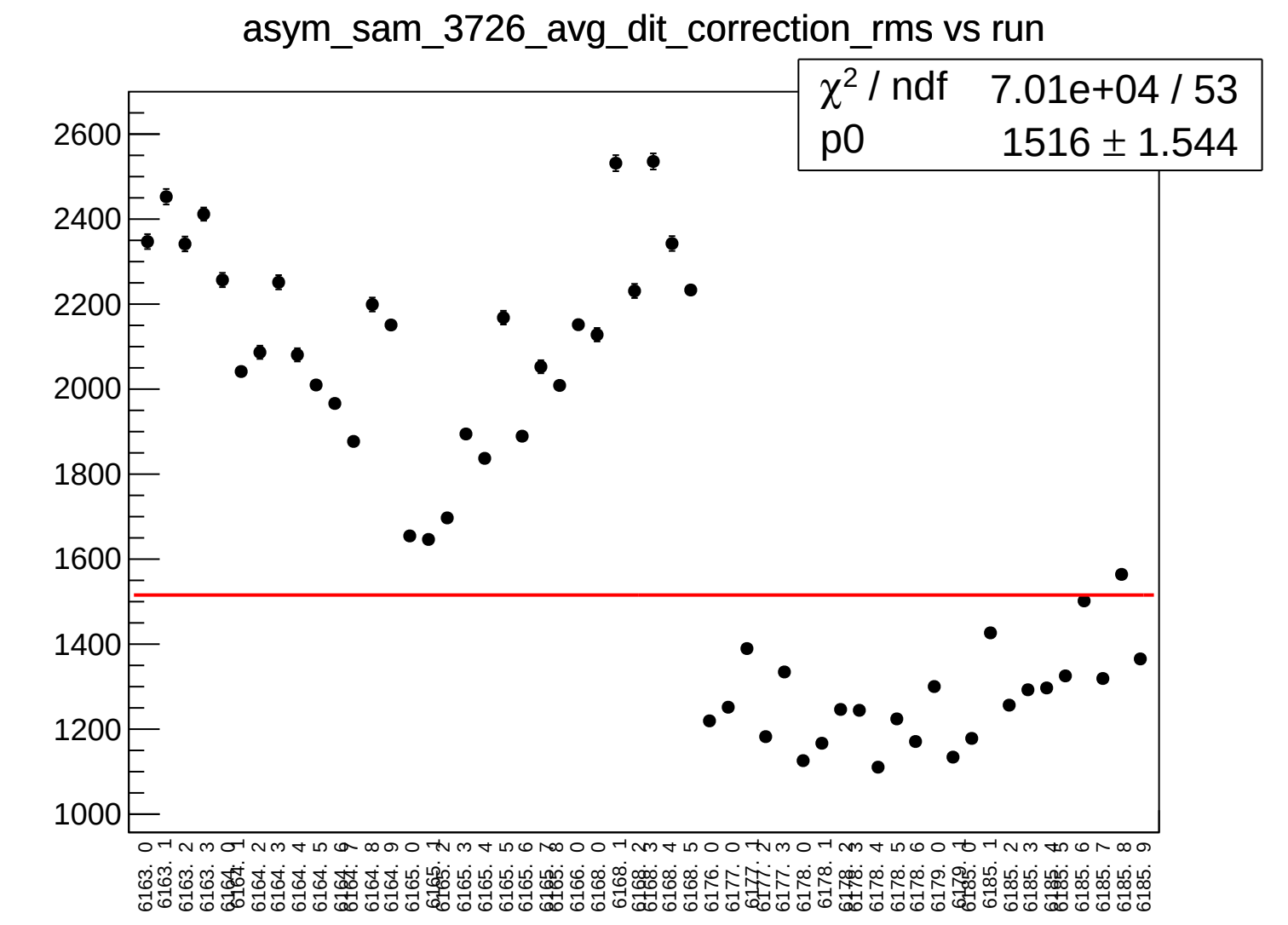
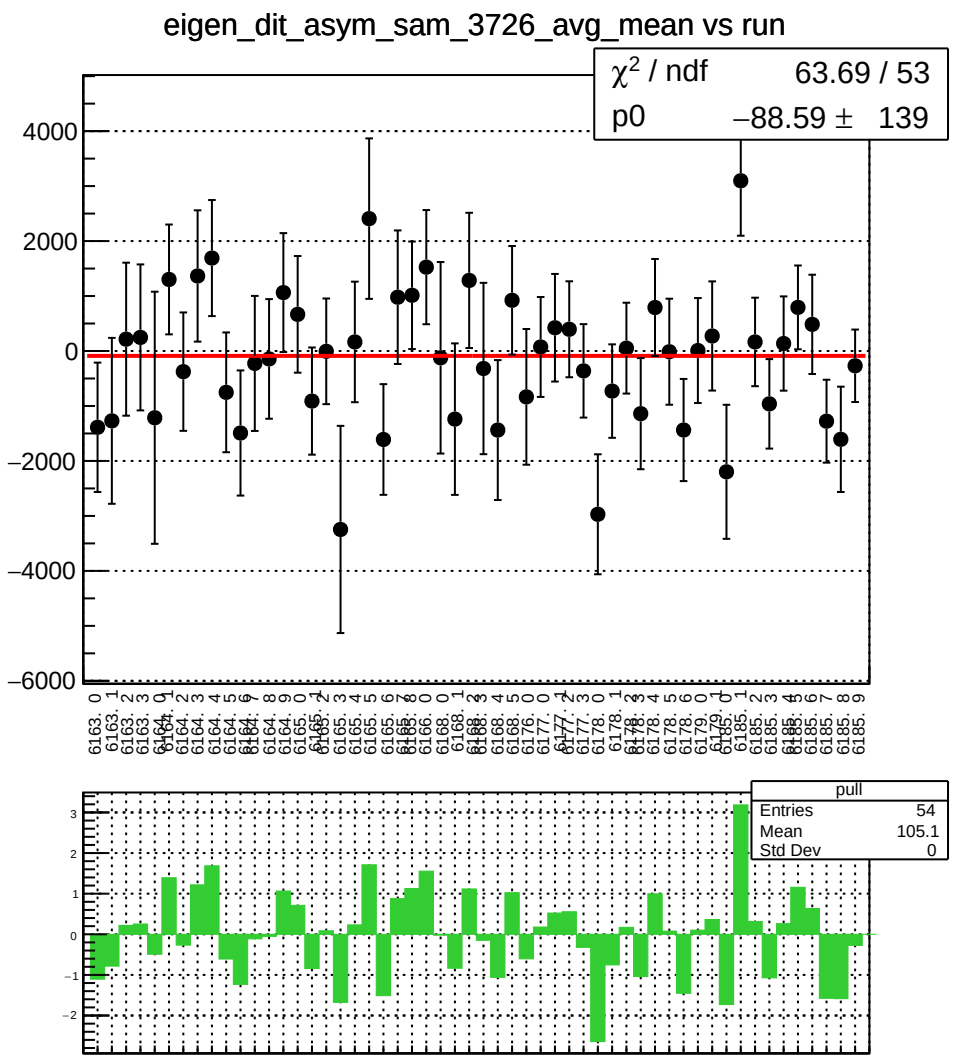
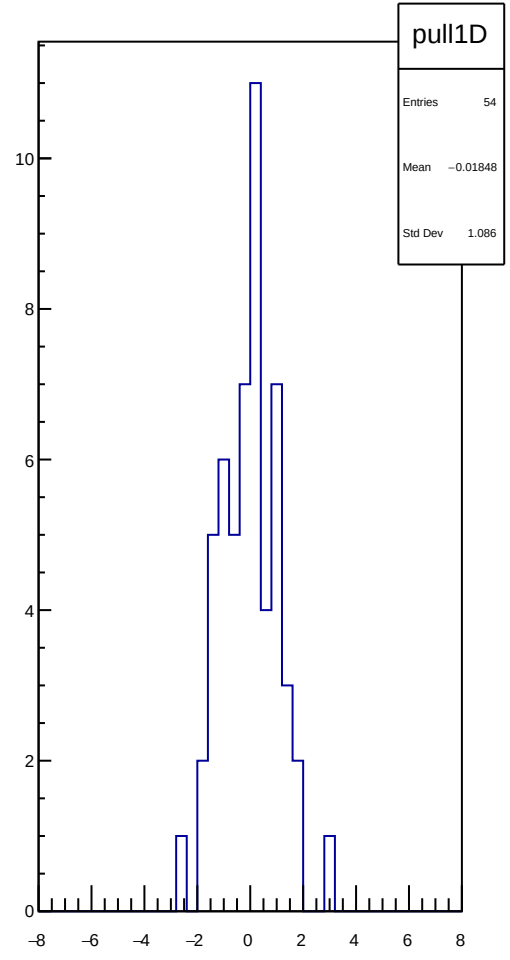
6185. 8
6185. 9

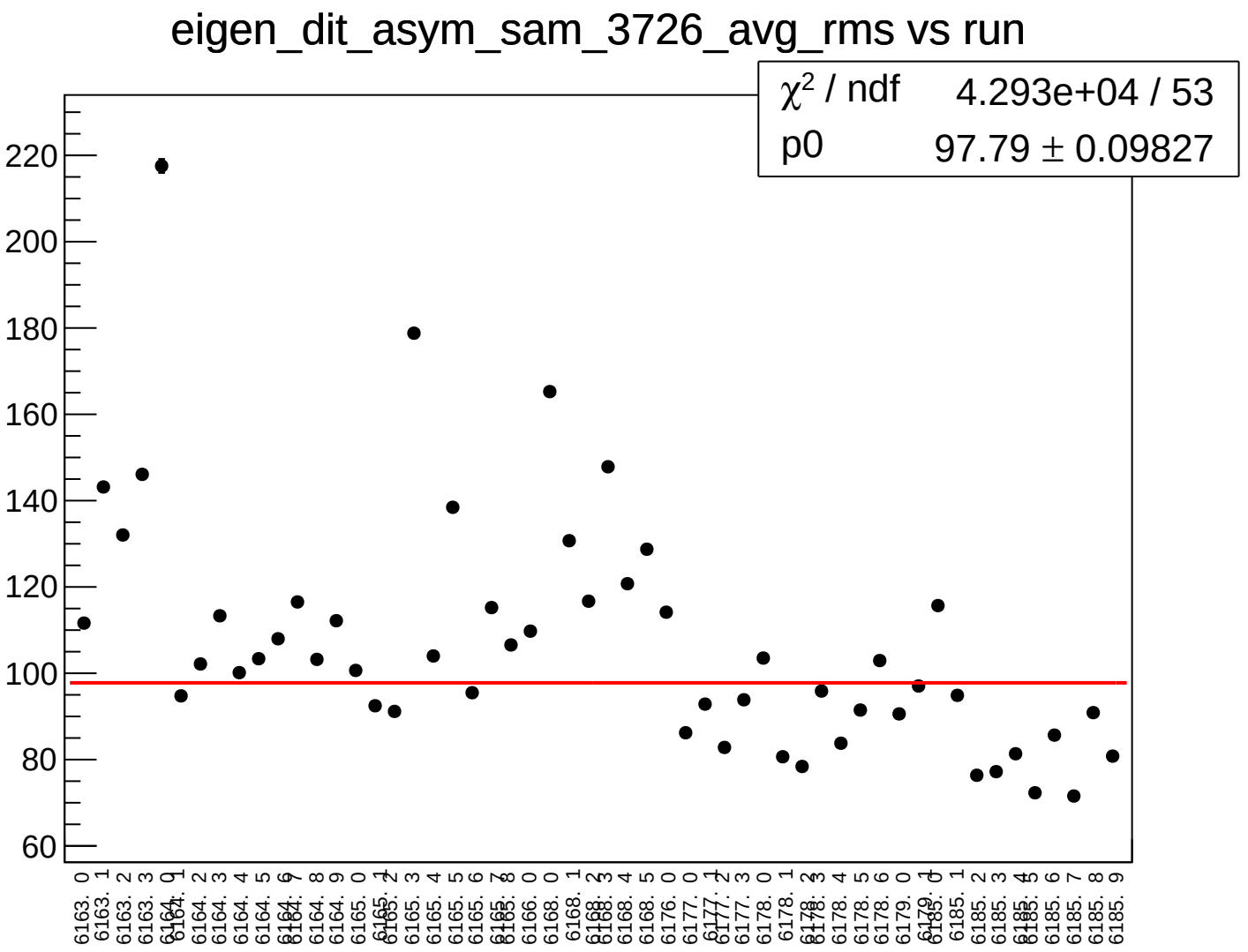

asym_sam_3726_avg_dit_correction_mean vs run
χ² / ndf 54.99 / 53
p0 4549 ± 2184
pull
Entries 54
Mean 5.156
Std Dev 1.569

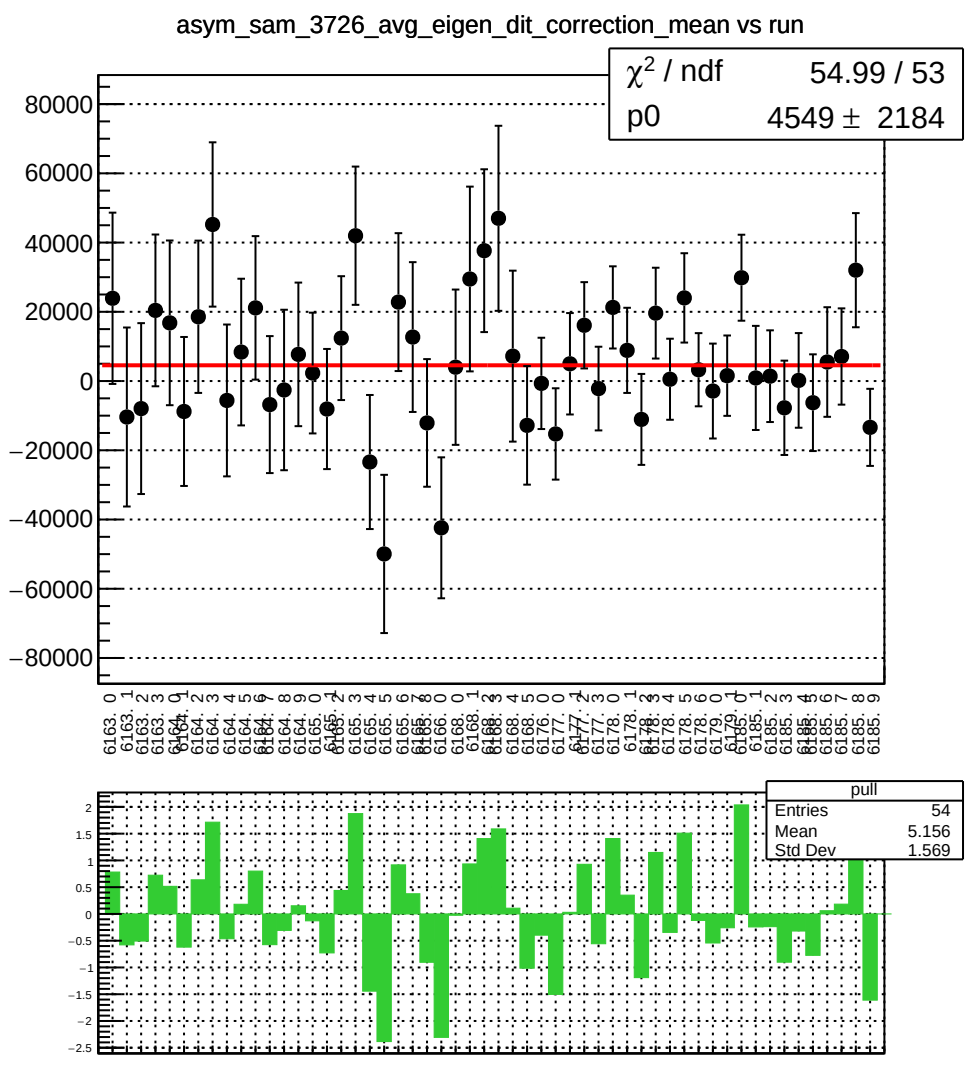

pull1D
Entries 54
Mean 0.02766
Std Dev 1.009

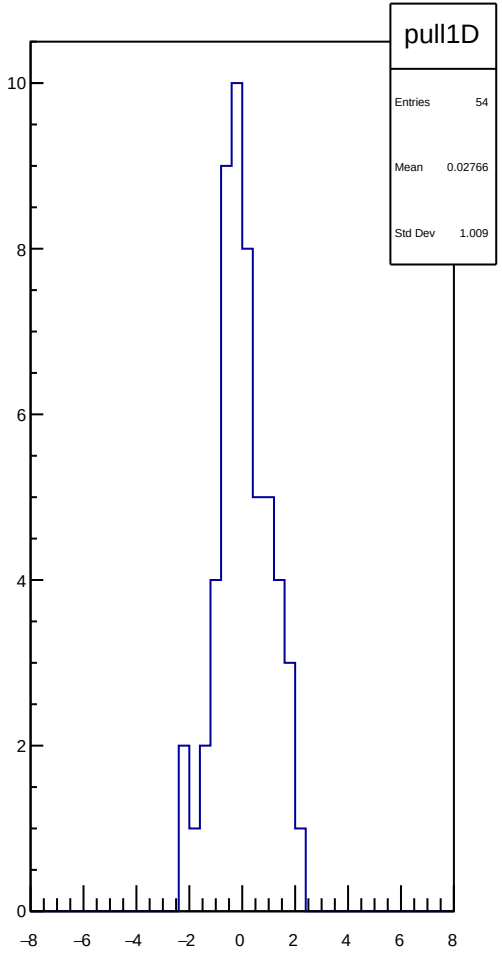

asym_sam_3726_avg_dit_correction_rms vs run
χ² / ndf 7.01e+04 / 53
p0 1516 ± 1.544
2600
2400
2200
2000
1800
1600
1400
1200
1000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

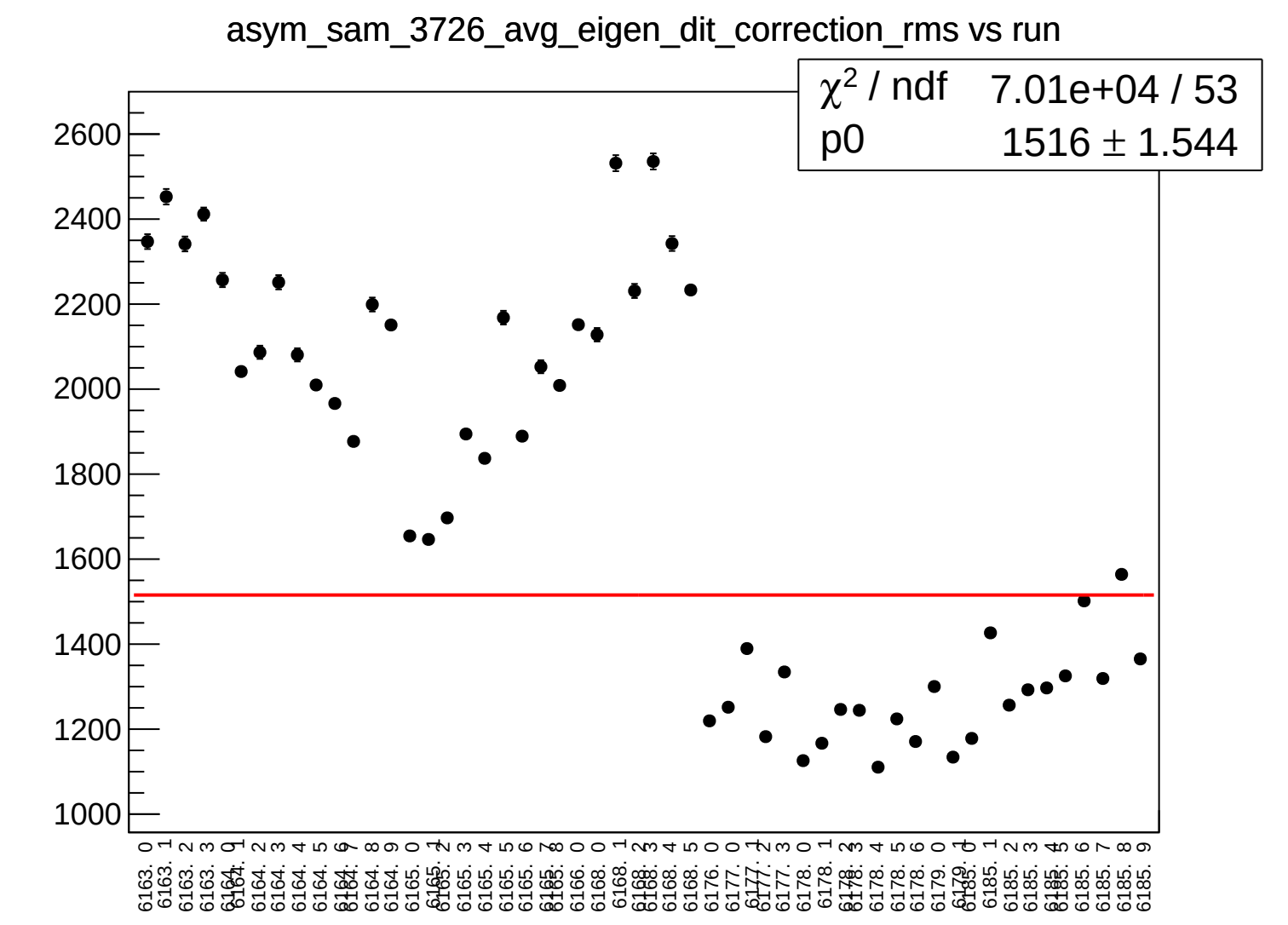

eigen_dit_asym_sam_3726_avg_mean vs run
χ² / ndf 63.69 / 53
p0 −88.59 ± 139
4000
2000
0
−2000
−4000
−6000
pull
Entries 54
Mean 105.1
Std Dev 0
3
2
1
0
−1
−2

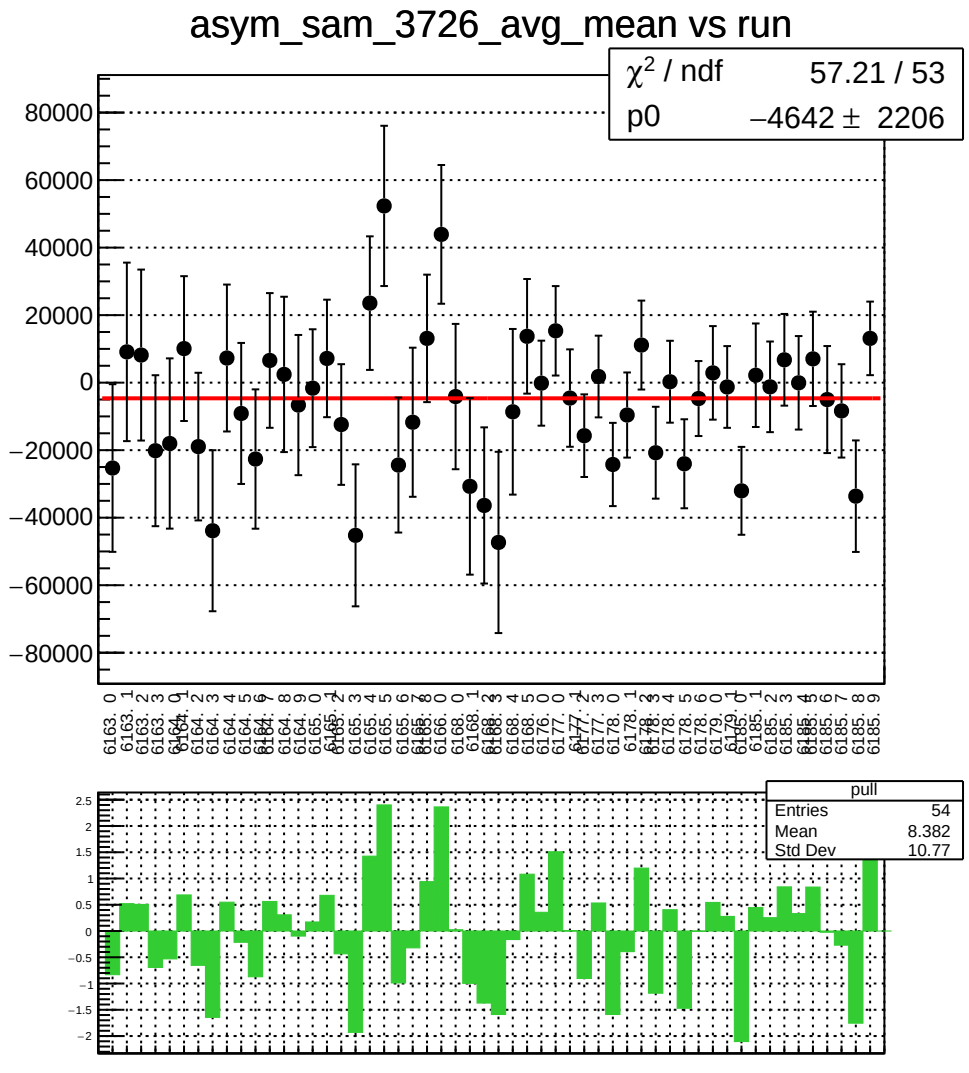

pull1D
Entries 54
Mean −0.01848
Std Dev 1.086
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

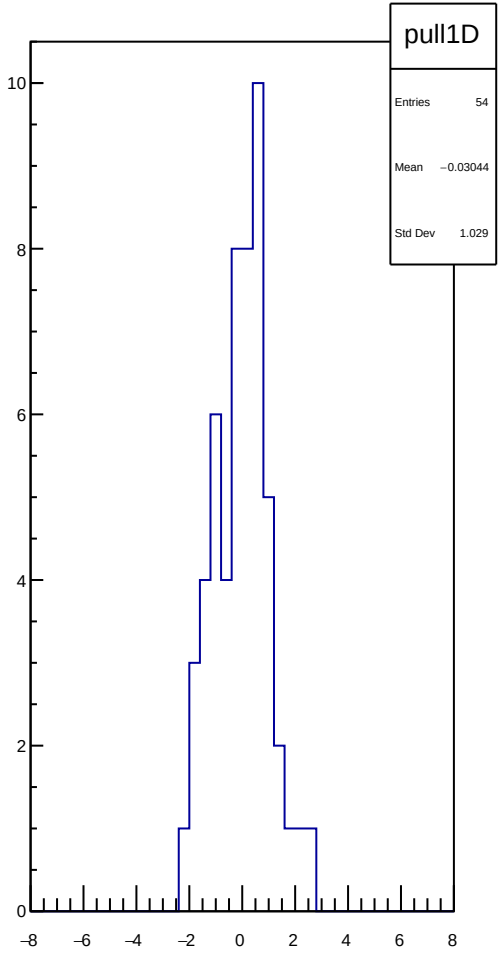

eigen_dit_asym_sam_3726_avg_rms vs run
χ² / ndf 4.293e+04 / 53
p0 97.79 ± 0.09827
220
200
180
160
140
120
100
80
60
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6168. 0
6168. 1
6168. 3
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

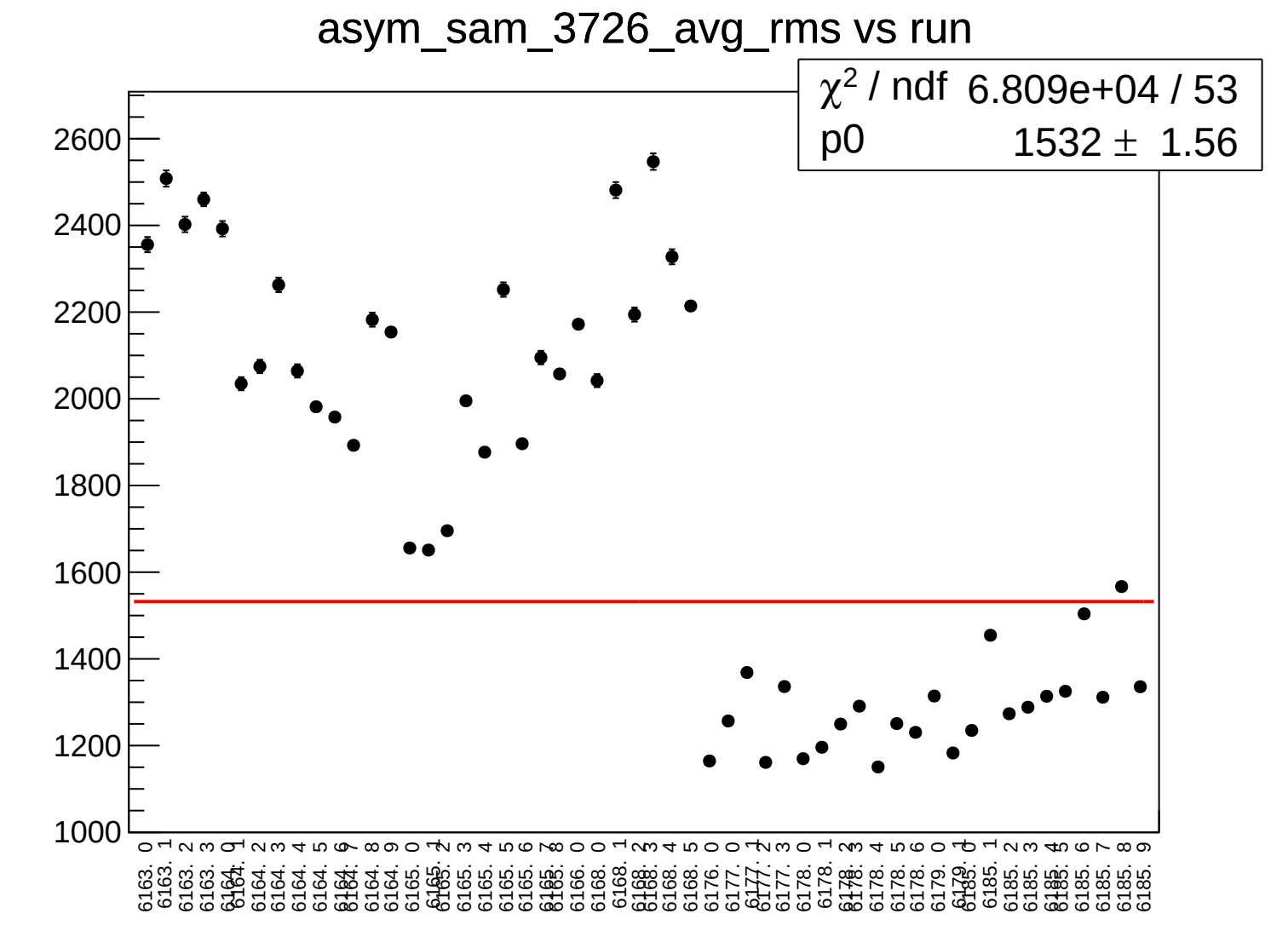

asym_sam_3726_avg_eigen_dit_correction_mean vs run
χ² / ndf 54.99 / 53
p0 4549 ± 2184
pull
Entries 54
Mean 5.156
Std Dev 1.569

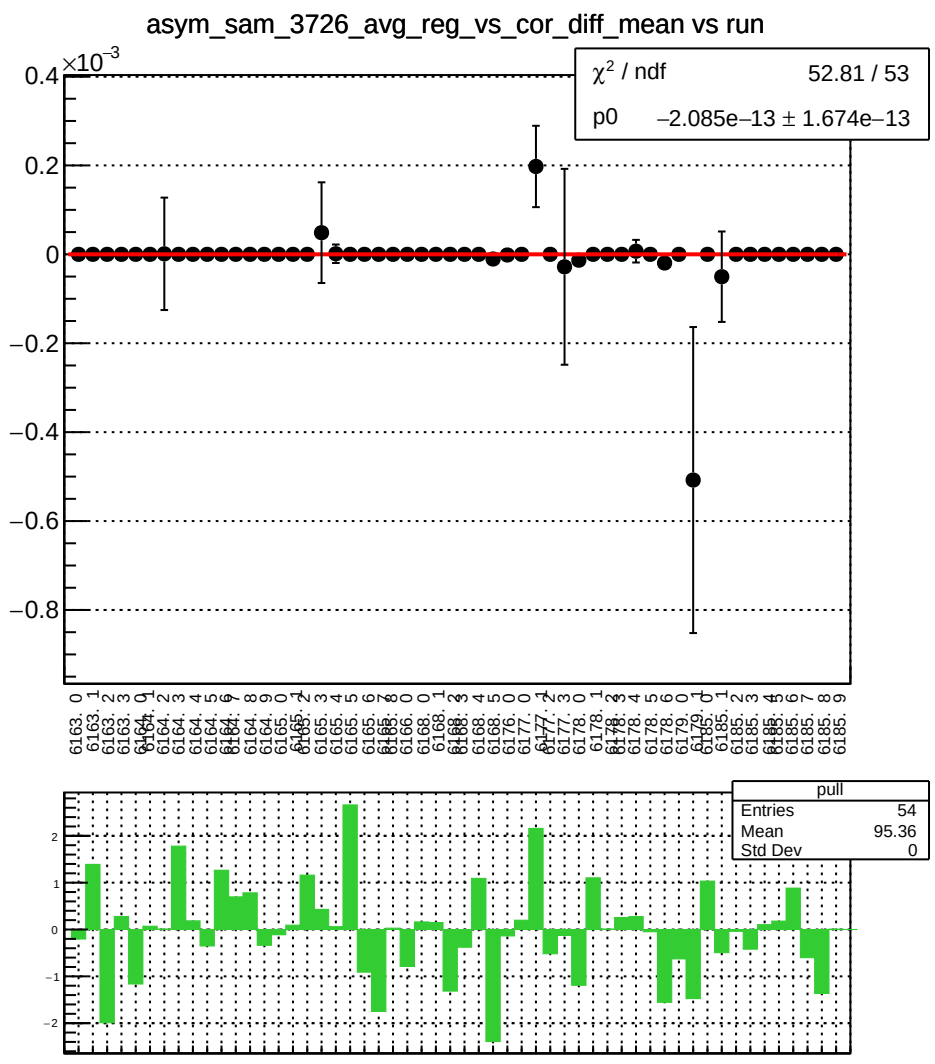

pull1D
Entries 54
Mean 0.02766
Std Dev 1.009

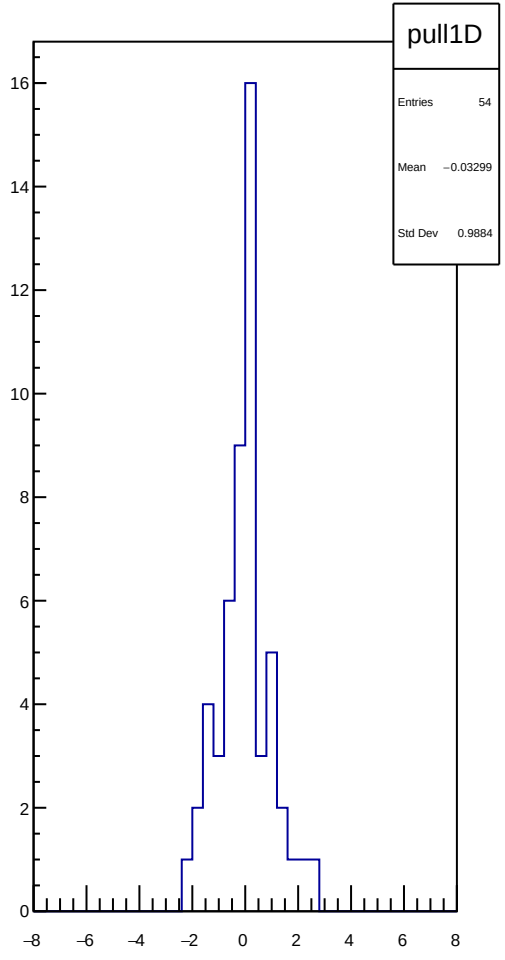

asym_sam_3726_avg_eigen_dit_correction_rms vs run
χ^2 / ndf 7.01e+04 / 53
p0 1516 ± 1.544
2600
2400
2200
2000
1800
1600
1400
1200
1000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

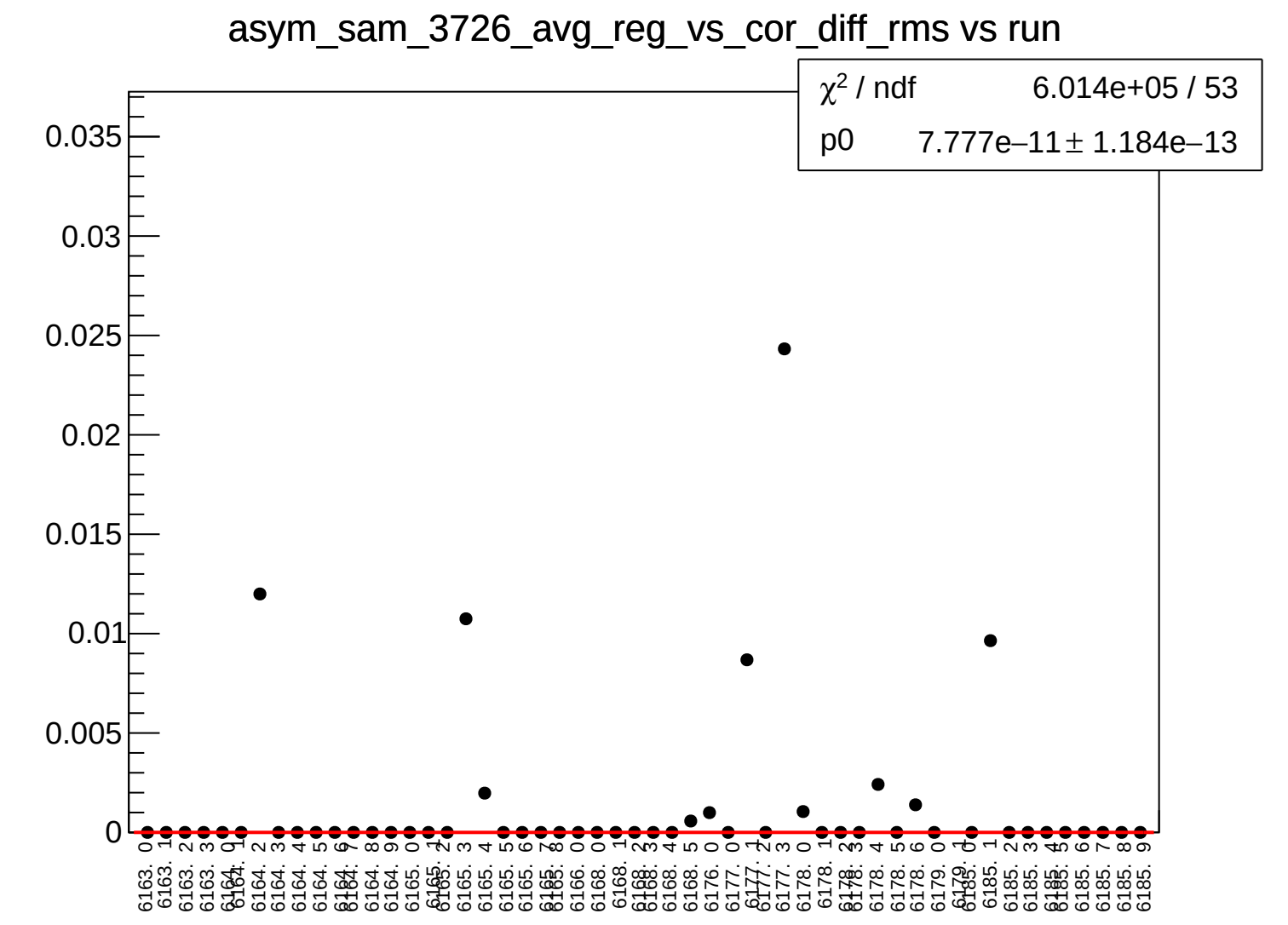

asym_sam_3726_avg_mean vs run
χ² / ndf 57.21 / 53
p0 −4642 ± 2206
pull
Entries 54
Mean 8.382
Std Dev 10.77

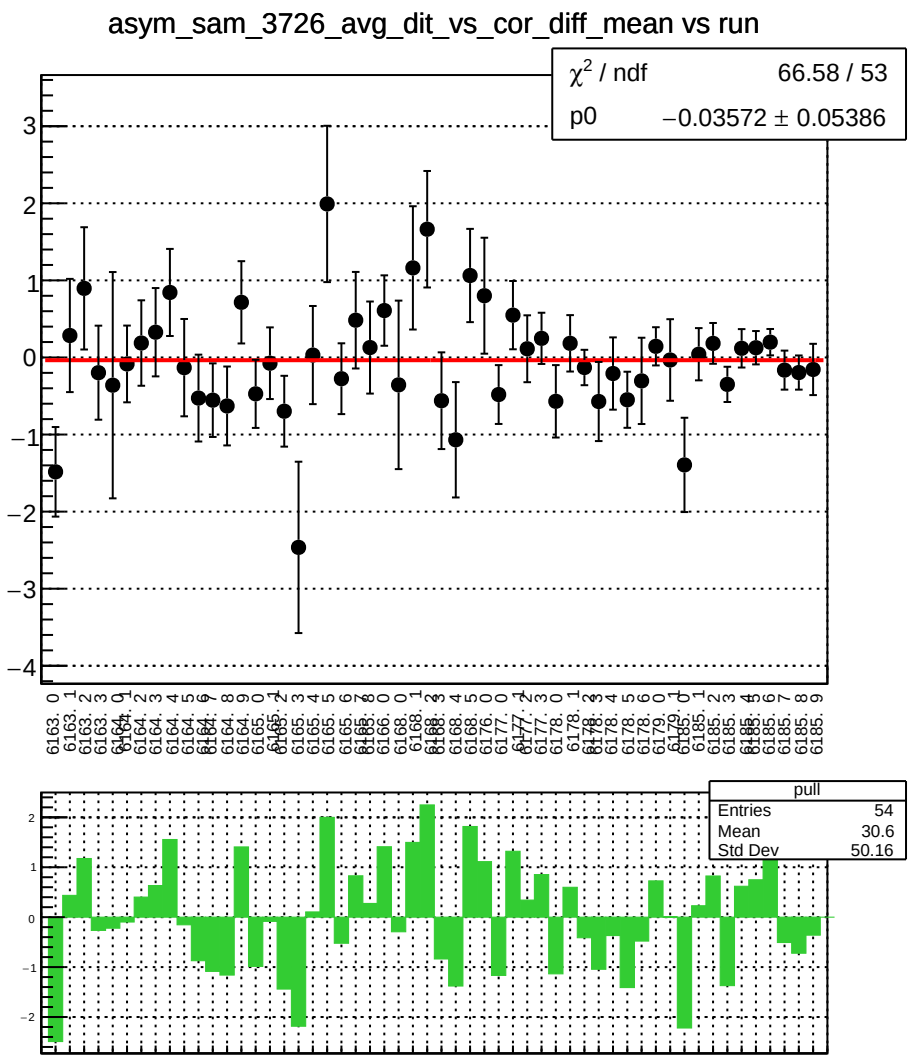

pull1D
Entries 54
Mean −0.03044
Std Dev 1.029

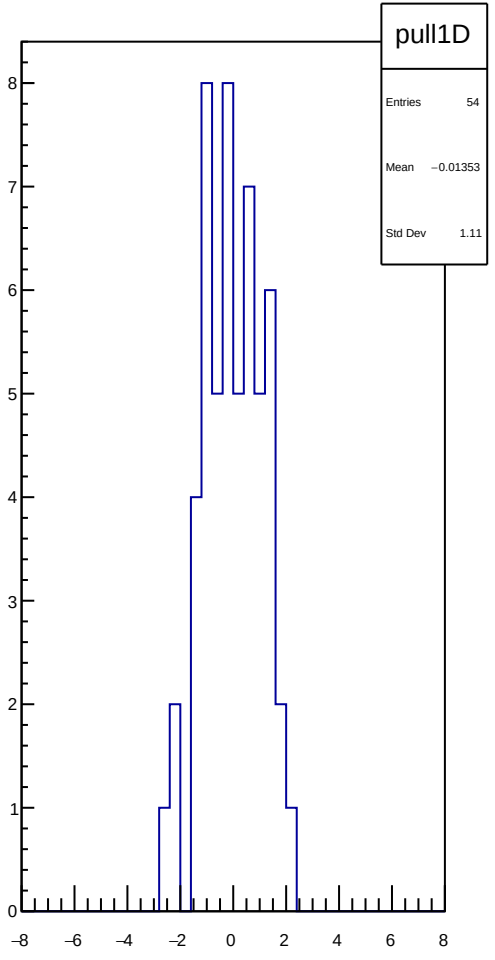

asym_sam_3726_avg_rms vs run
χ² / ndf 6.809e+04 / 53
p0 1532 ± 1.56
2600
2400
2200
2000
1800
1600
1400
1200
1000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

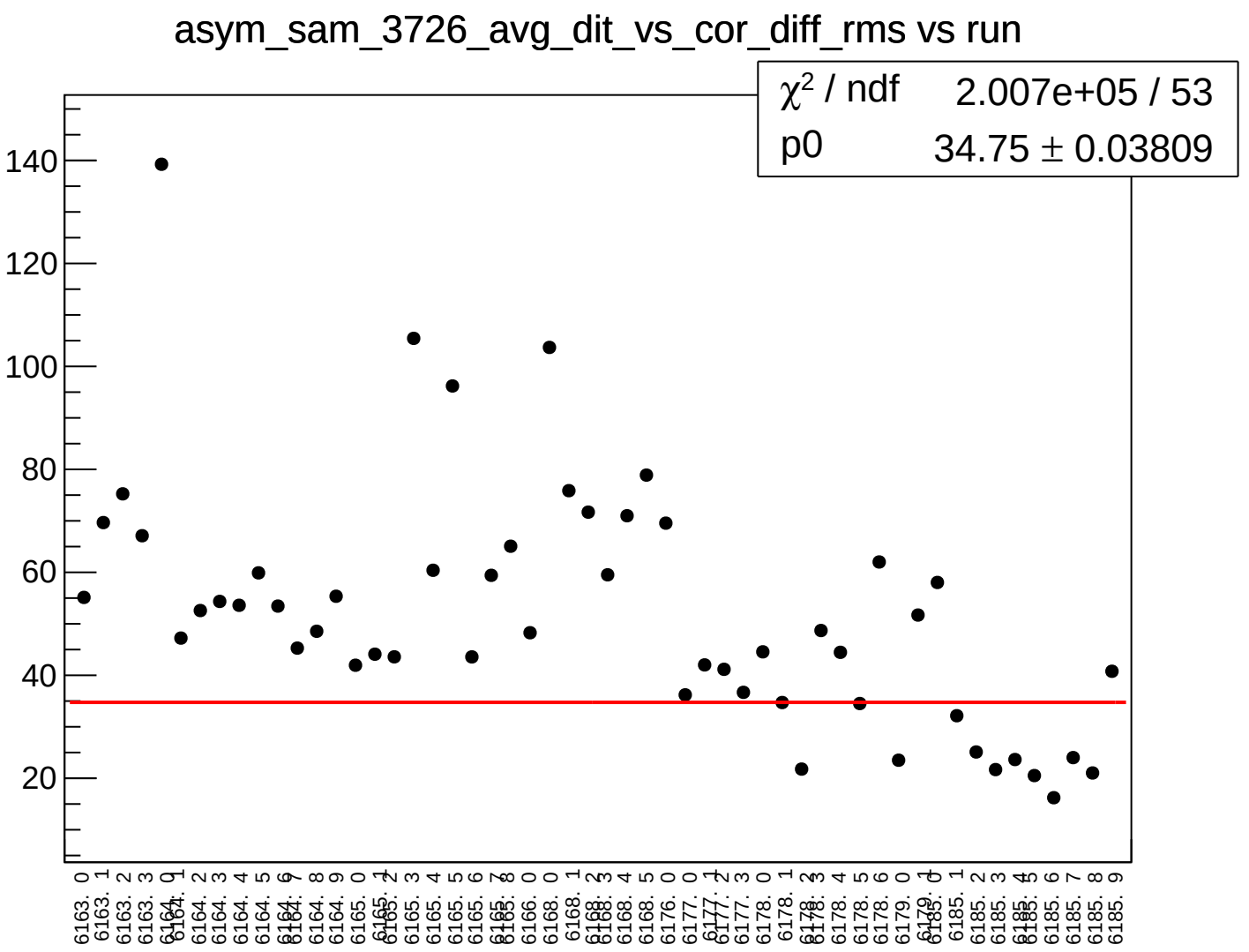

asym_sam_3726_avg_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 52.81 / 53
p0 −2.085e−13 ± 1.674e−13
pull
Entries 54
Mean 95.36
Std Dev 0

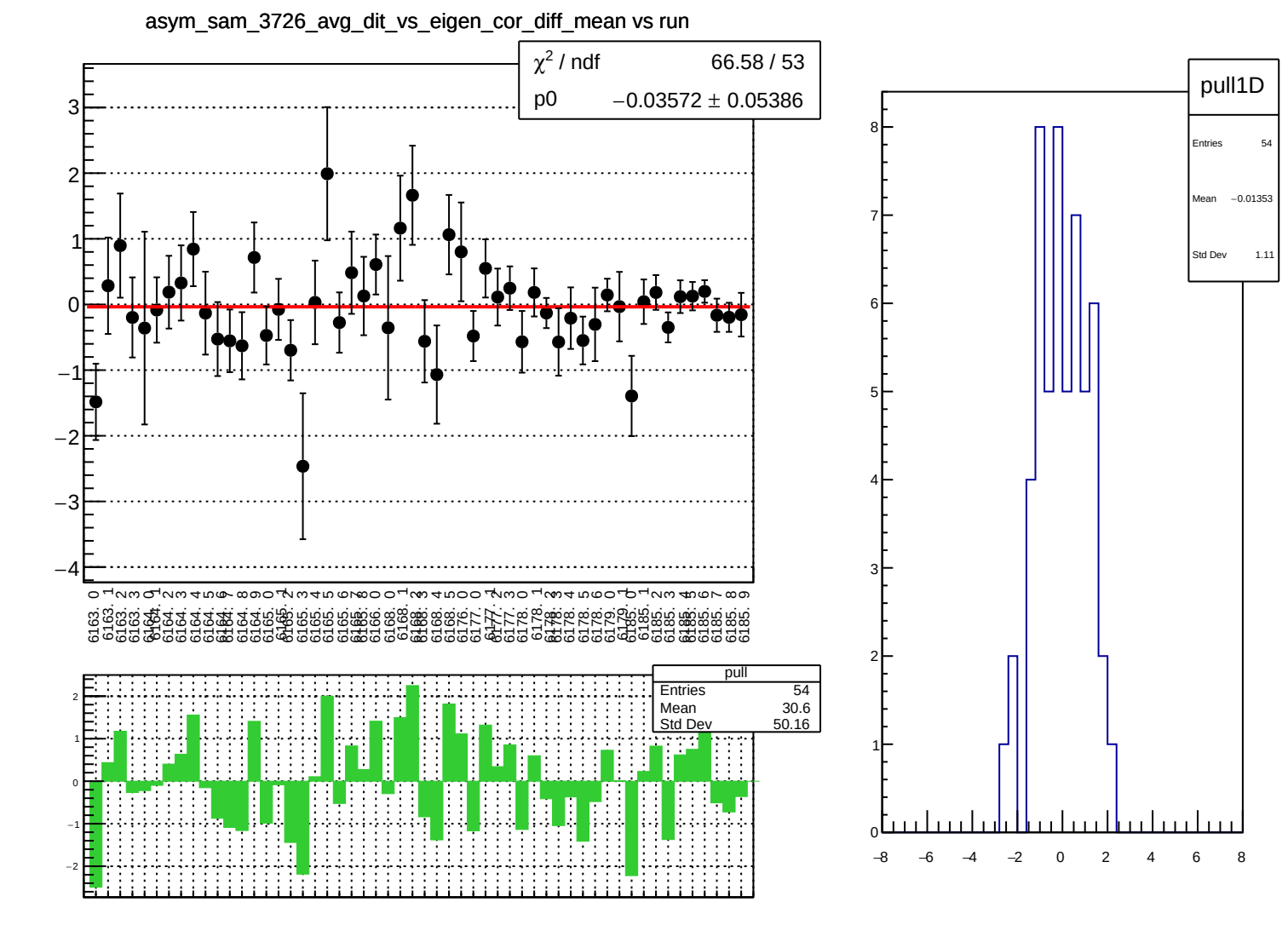

pull1D
Entries 54
Mean −0.03299
Std Dev 0.9884

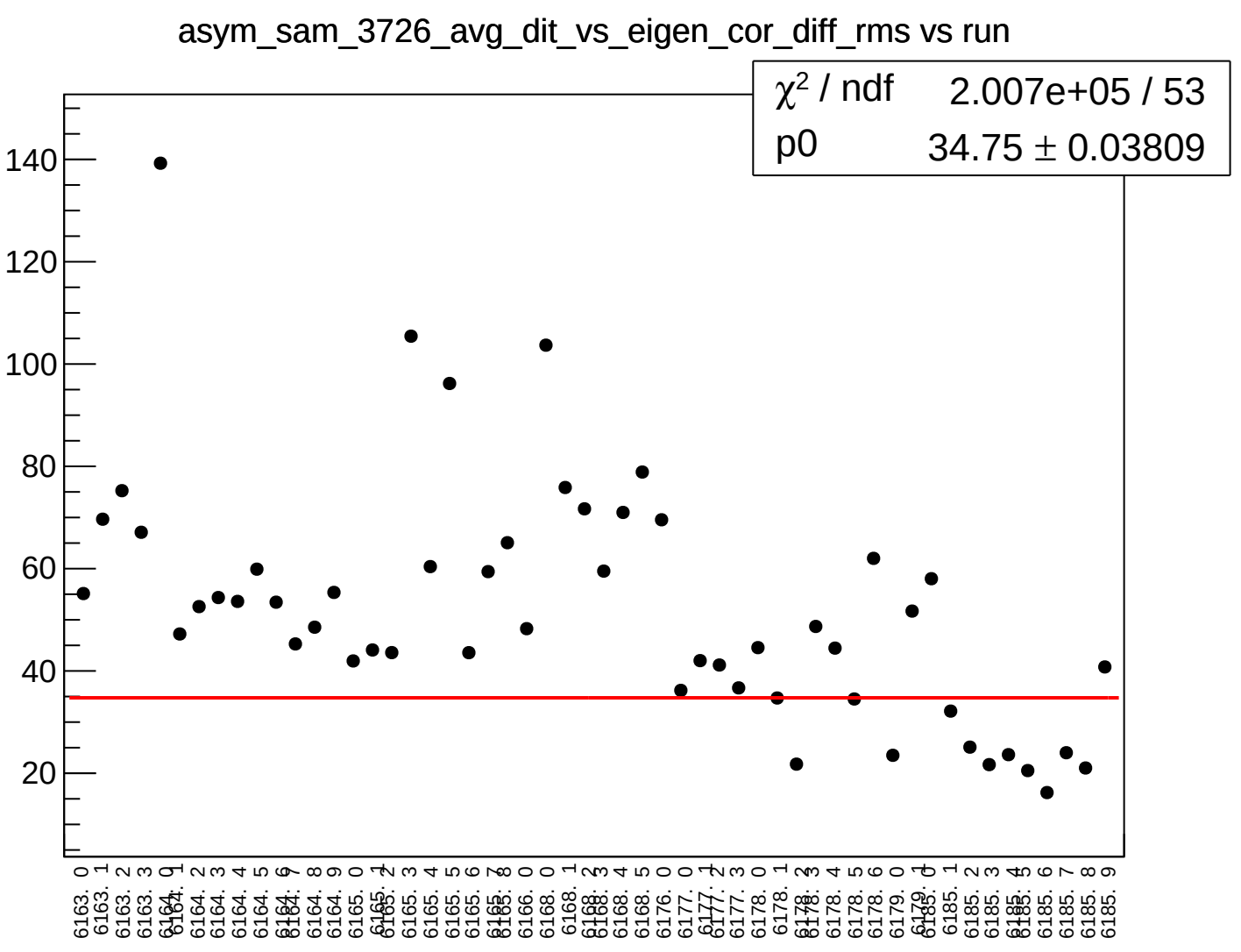

asym_sam_3726_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.014e+05 / 53
p0 7.777e−11 ± 1.184e−13
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

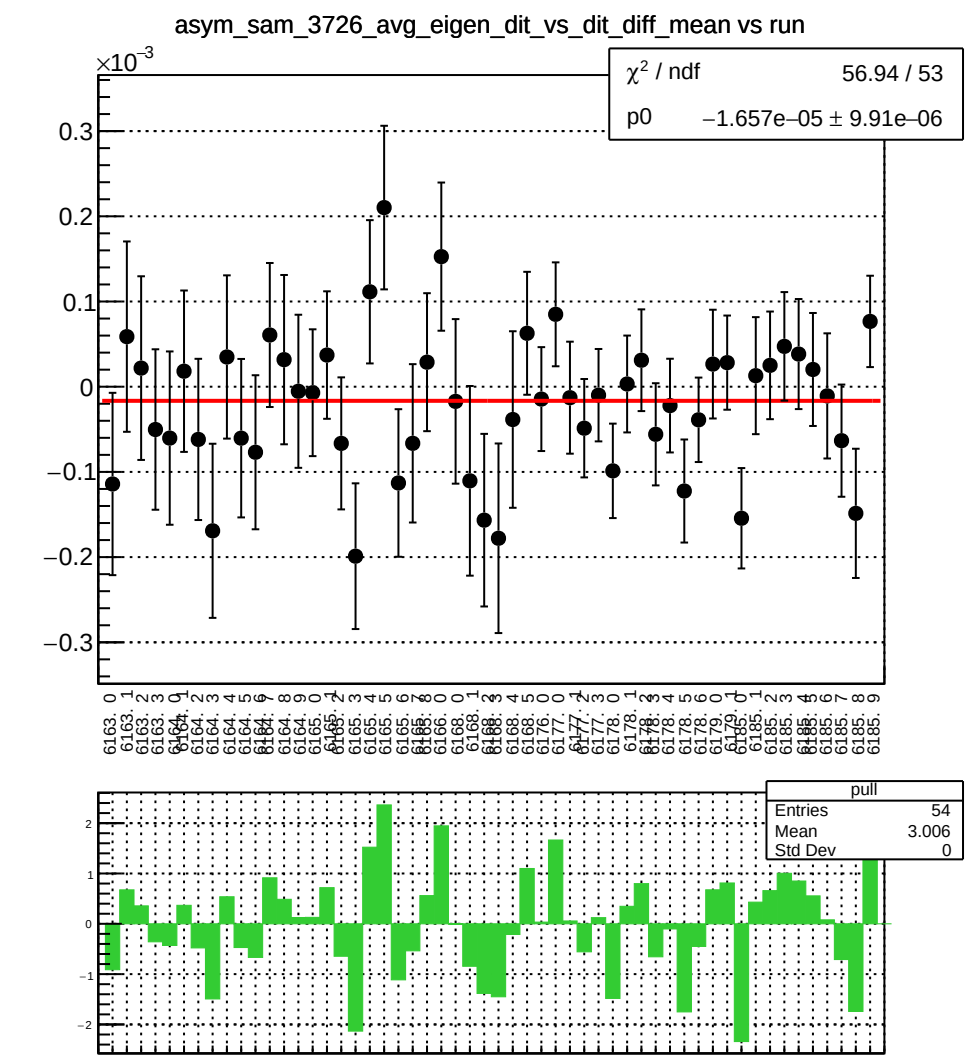

asym_sam_3726_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 66.58 / 53
p0 −0.03572 ± 0.05386
pull
Entries 54
Mean 30.6
Std Dev 50.16

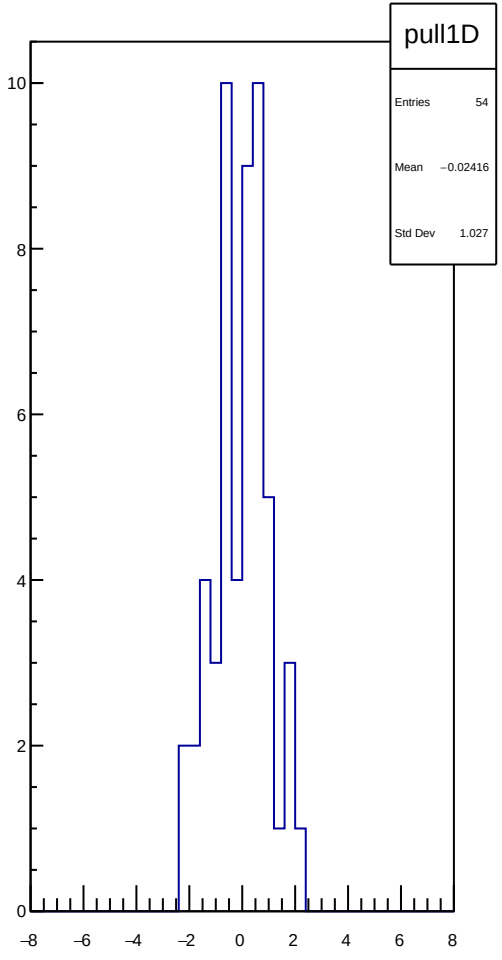

pull1D
Entries 54
Mean −0.01353
Std Dev 1.11

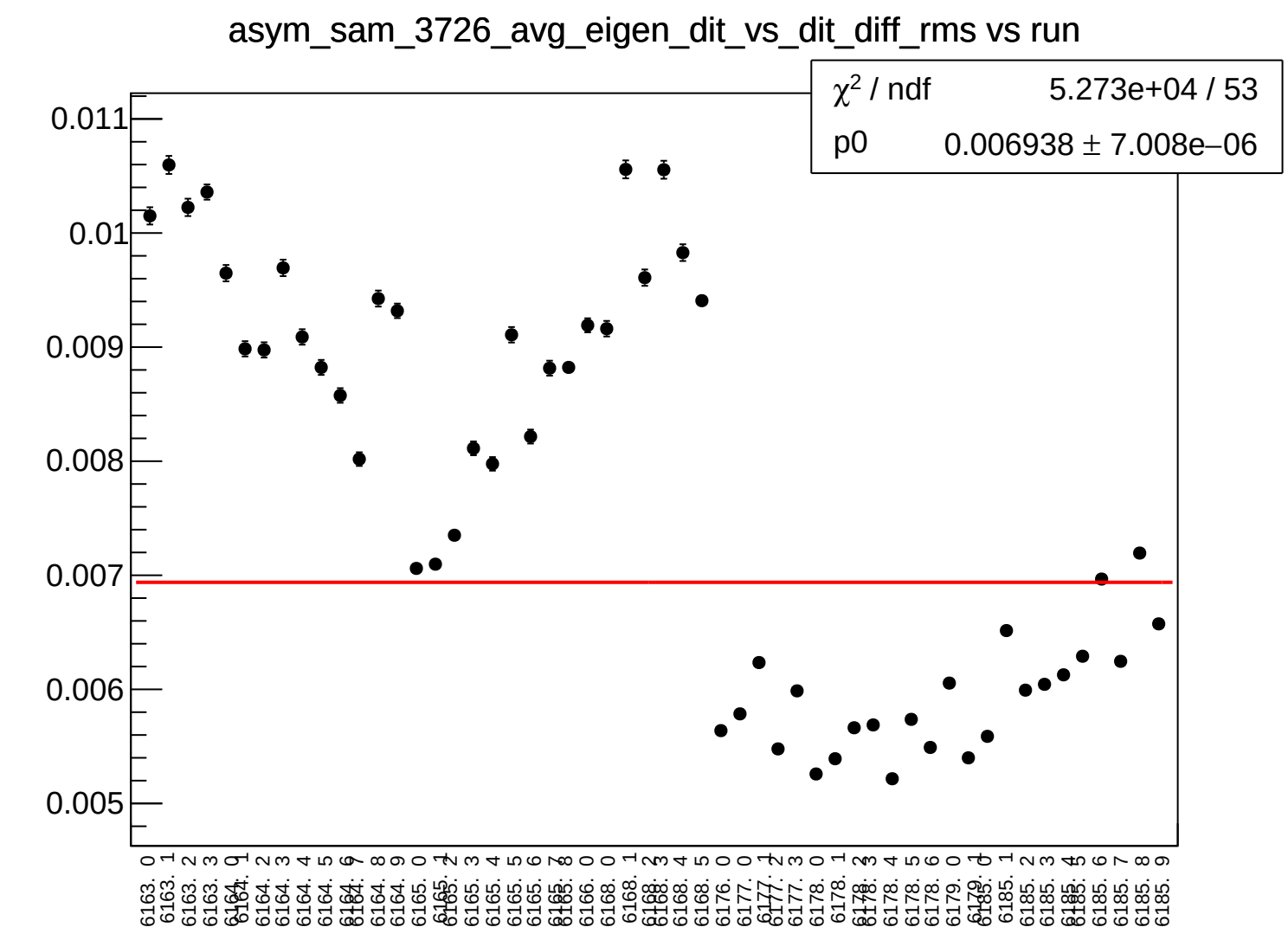

asym_sam_3726_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 2.007e+05 / 53
p0 34.75 ± 0.03809
140
120
100
80
60
40
20
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

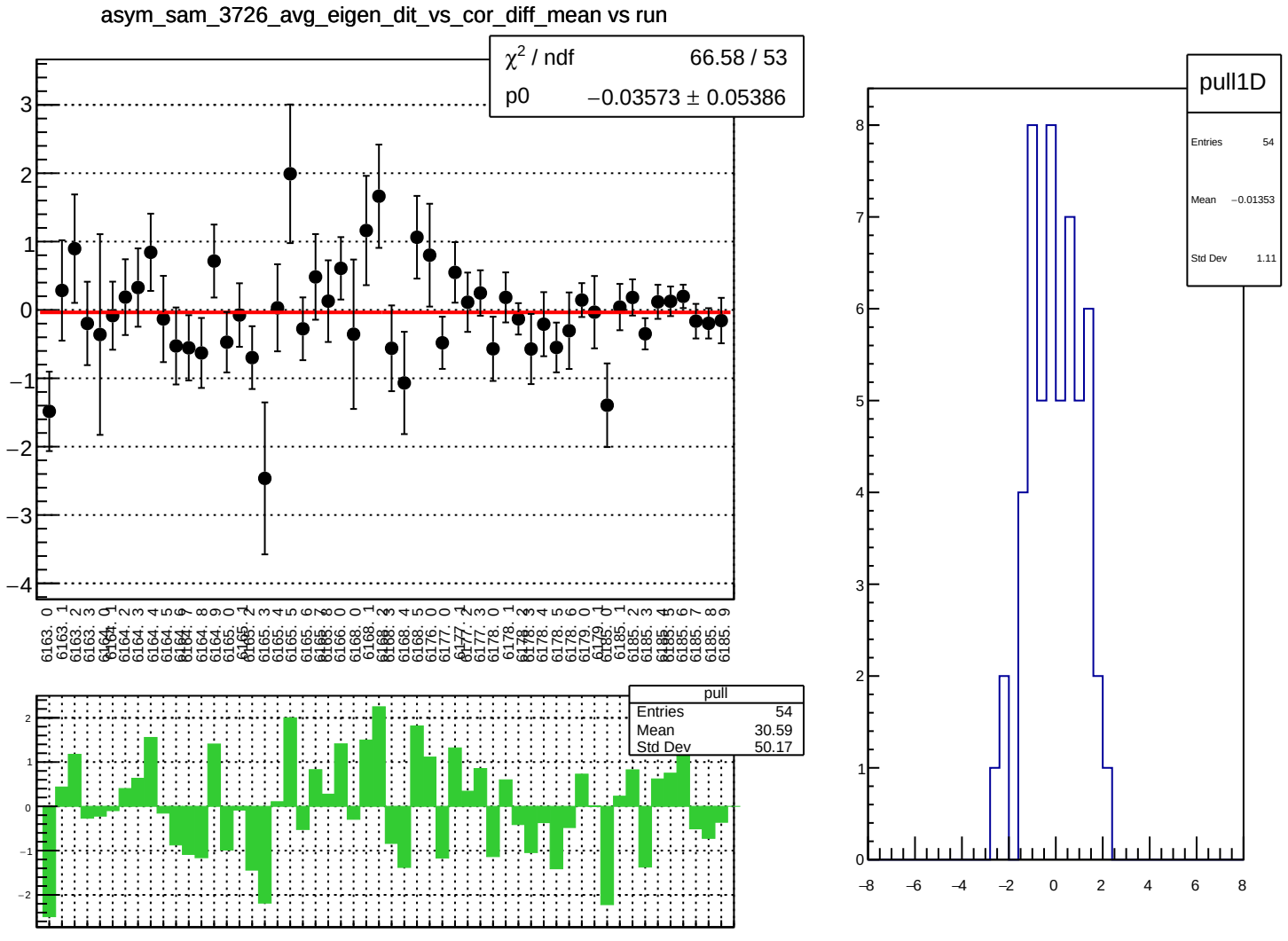

asym_sam_3726_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 66.58 / 53
p0 −0.03572 ± 0.05386
pull
Entries 54
Mean 30.6
Std Dev 50.16
pull1D
Entries 54
Mean −0.01353
Std Dev 1.11

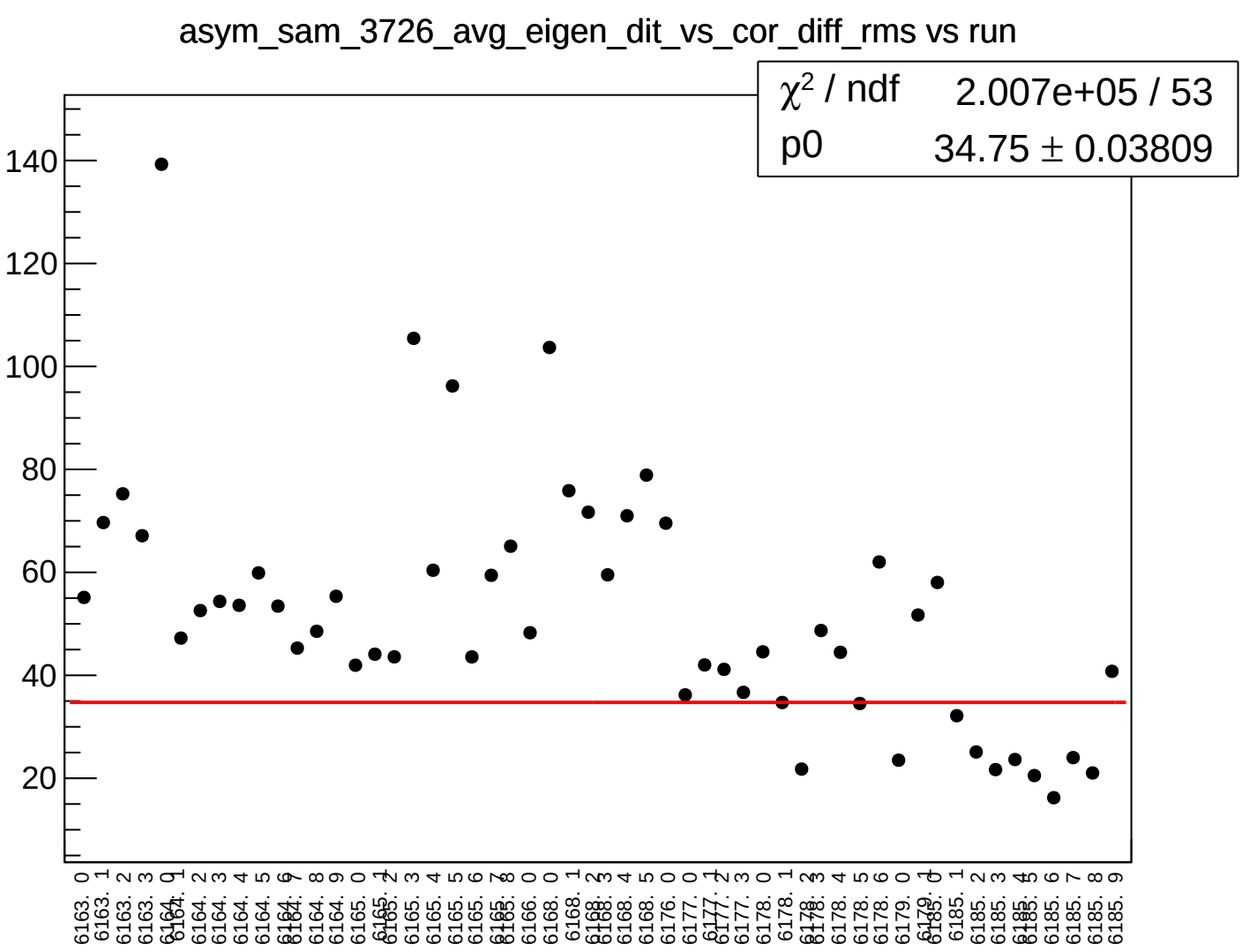

asym_sam_3726_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.007e+05 / 53
p0 34.75 ± 0.03809
140
120
100
80
60
40
20
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

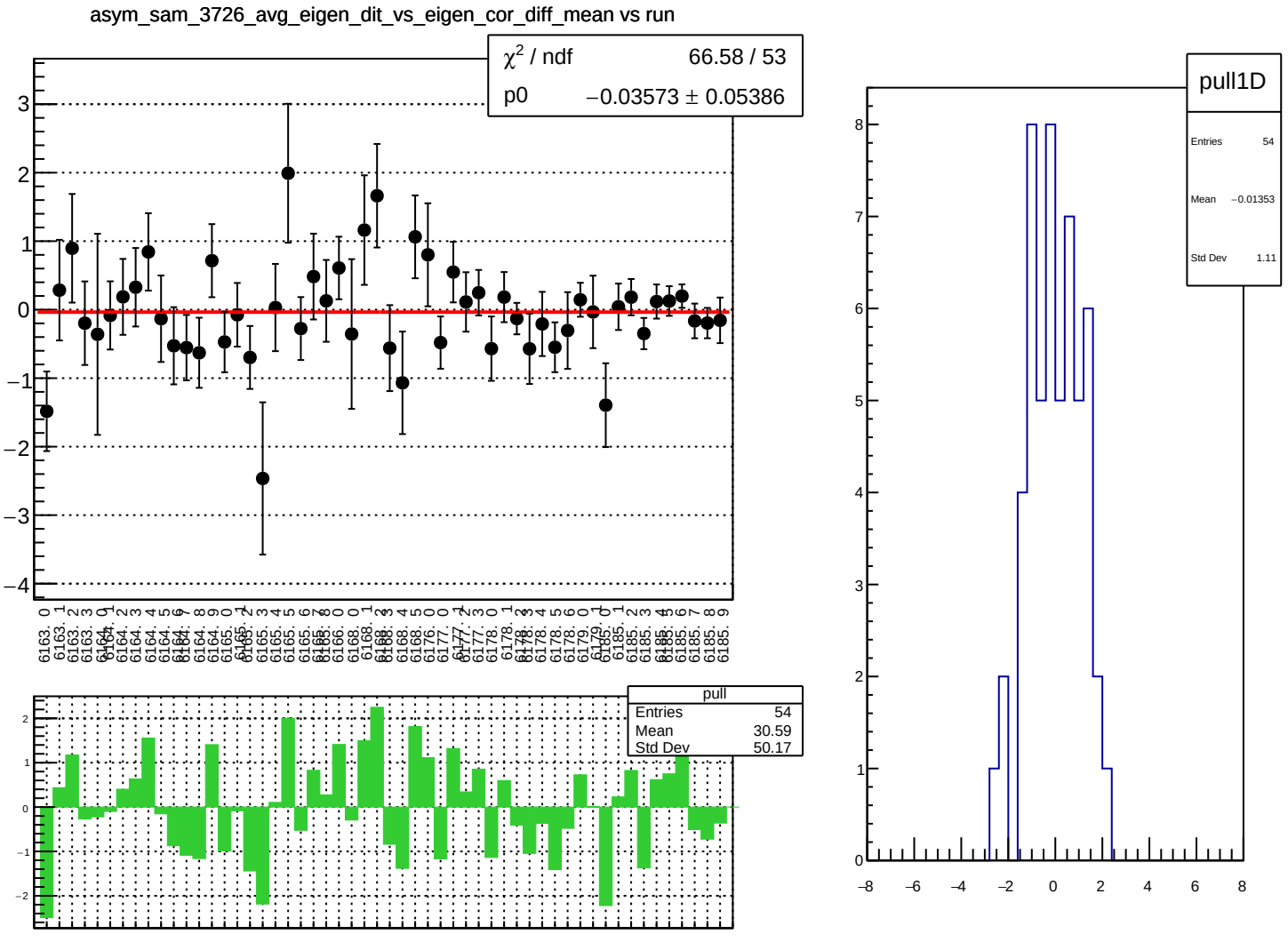

asym_sam_3726_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 56.94 / 53
p0 −1.657e−05 ± 9.91e−06
pull
Entries 54
Mean 3.006
Std Dev 0

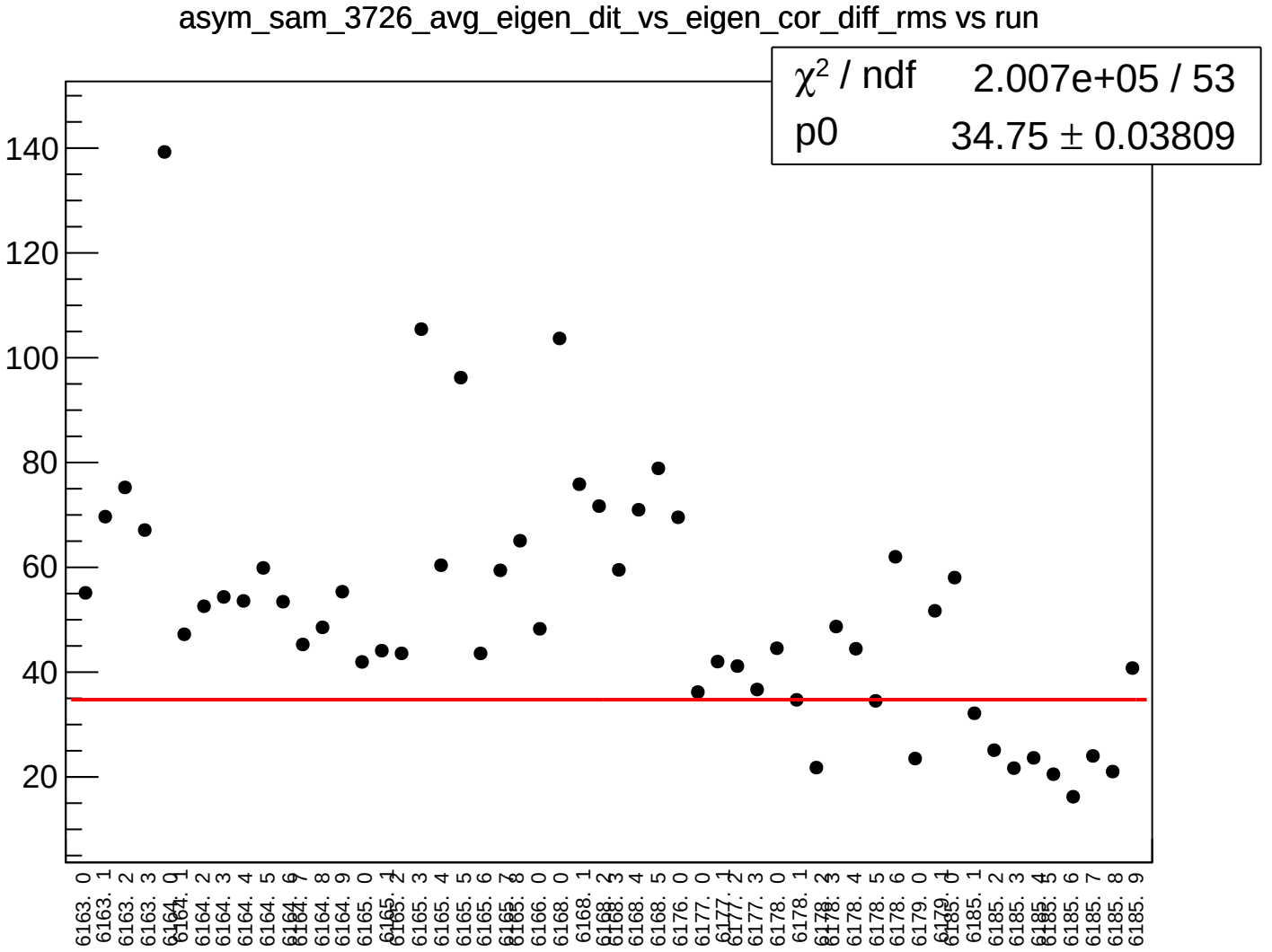

pull1D
Entries 54
Mean −0.02416
Std Dev 1.027

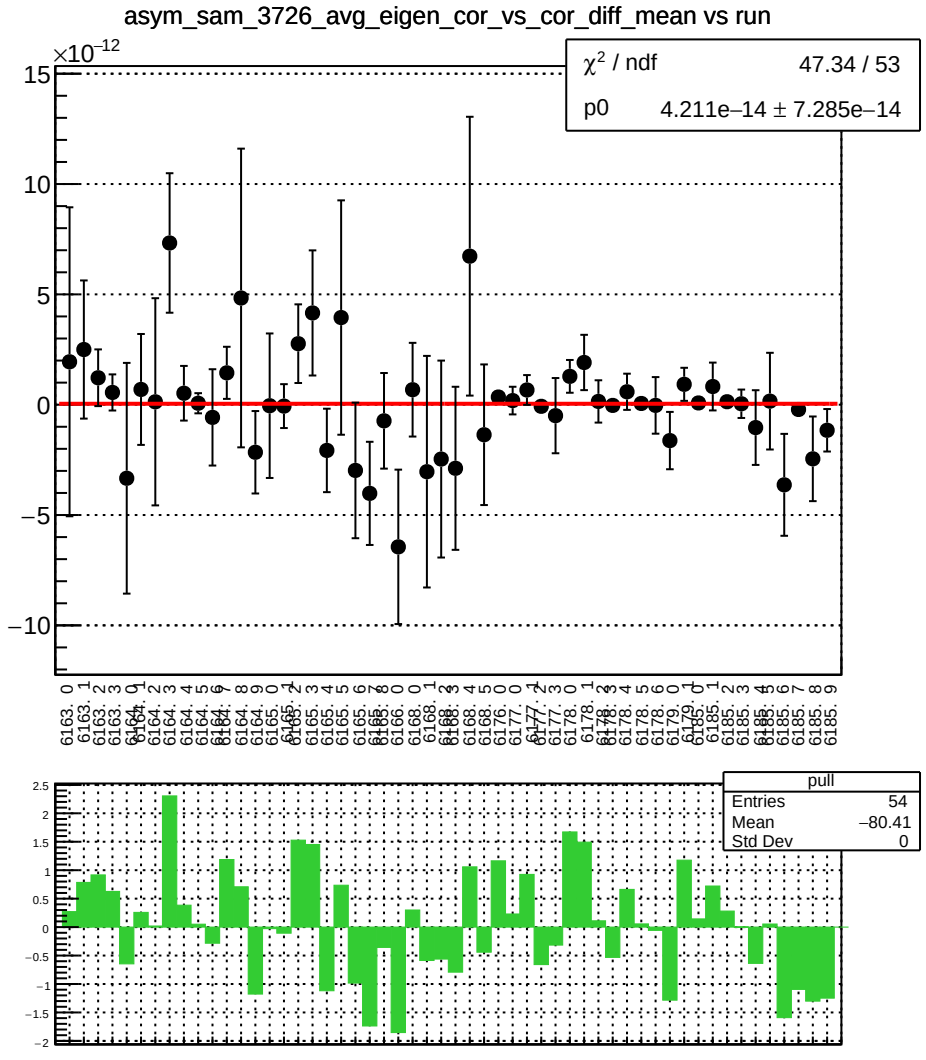

asym_sam_3726_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5.273e+04 / 53
p0 0.006938 ± 7.008e−06
0.011
0.01
0.009
0.008
0.007
0.006
0.005
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

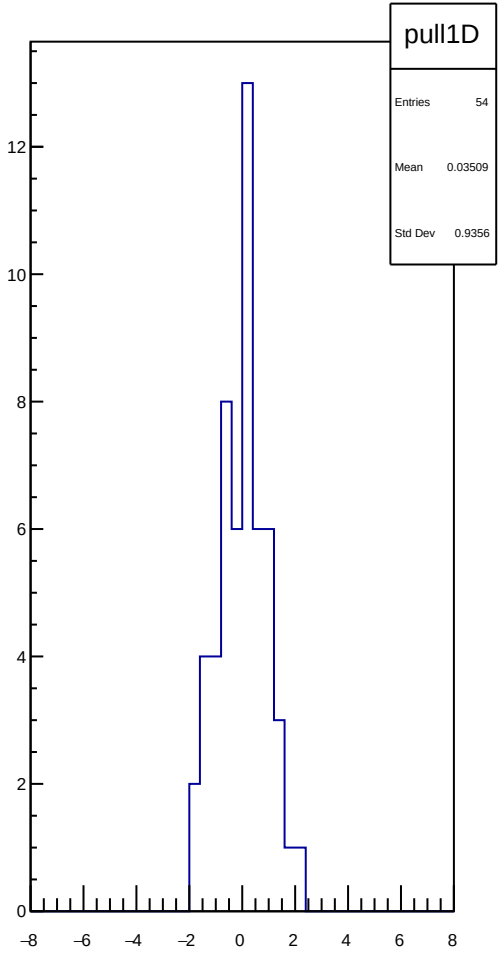

asym_sam_3726_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 66.58 / 53
p0 −0.03573 ± 0.05386
pull
Entries 54
Mean 30.59
Std Dev 50.17
pull1D
Entries 54
Mean −0.01353
Std Dev 1.11

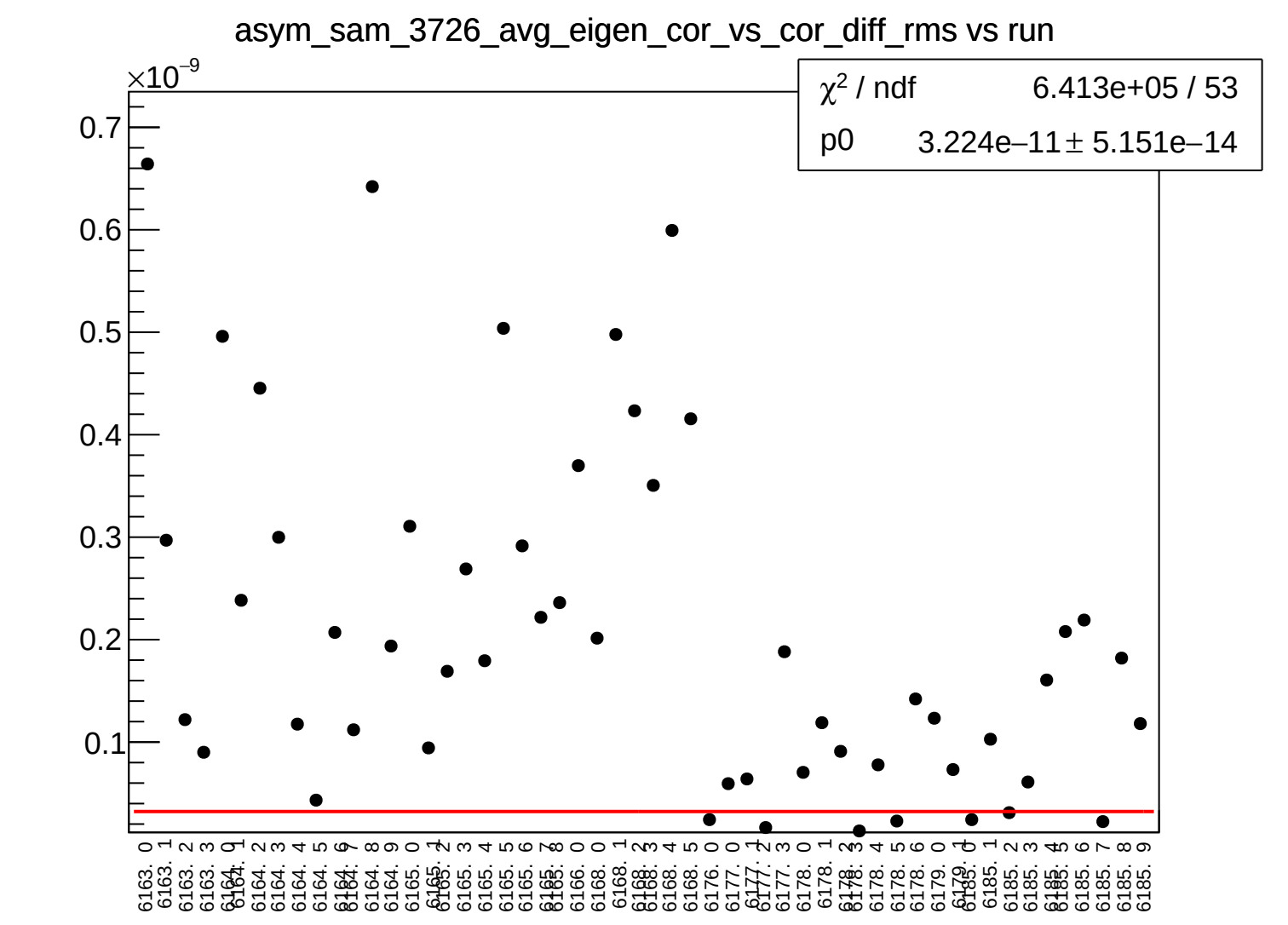

asym_sam_3726_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.007e+05 / 53
p0 34.75 ± 0.03809
140
120
100
80
60
40
20
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

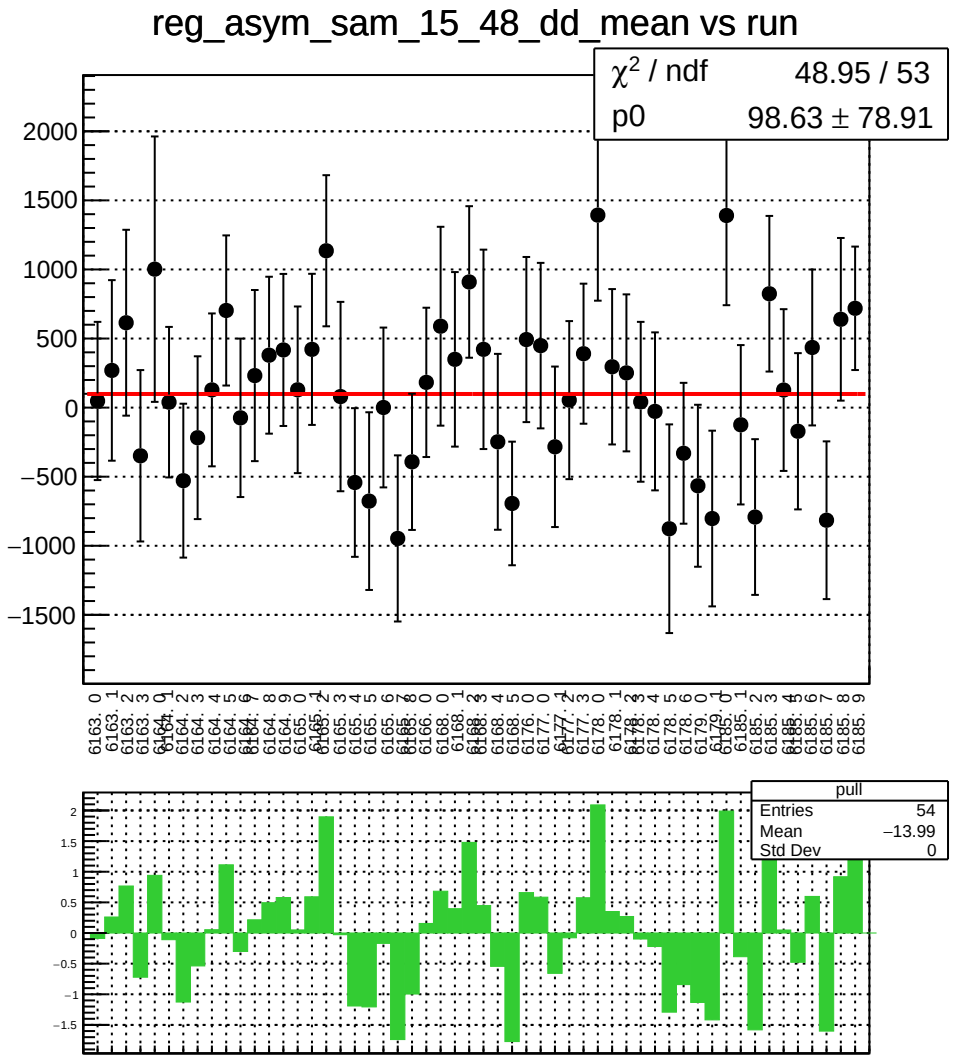

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 66.58 / 53
p0 −0.03573 ± 0.05386
pull
Entries 54
Mean 30.59
Std Dev 50.17
pull1D
Entries 54
Mean −0.01353
Std Dev 1.11

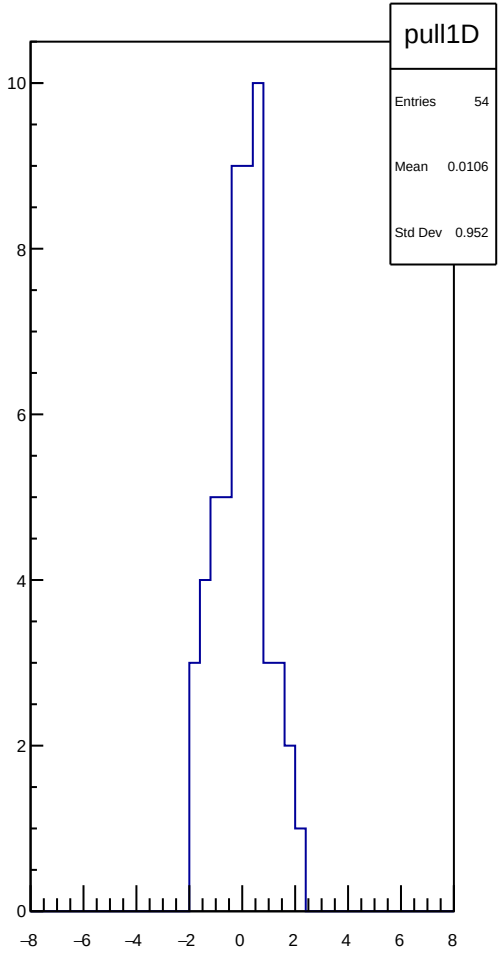

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.007e+05 / 53
p0 34.75 ± 0.03809
140
120
100
80
60
40
20
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

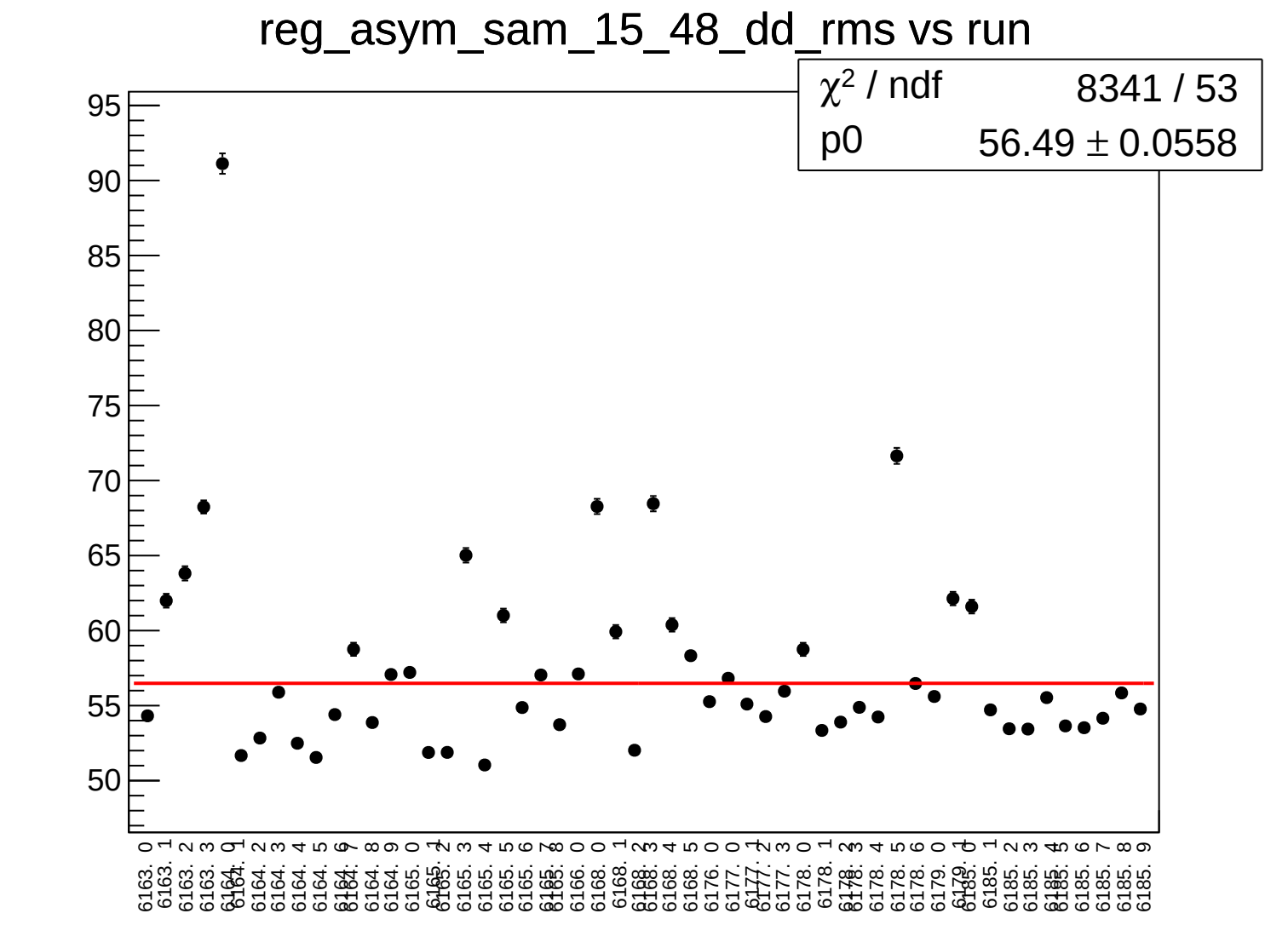

asym_sam_3726_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 47.34 / 53
p0 4.211e−14 ± 7.285e−14
pull
Entries 54
Mean −80.41
Std Dev 0

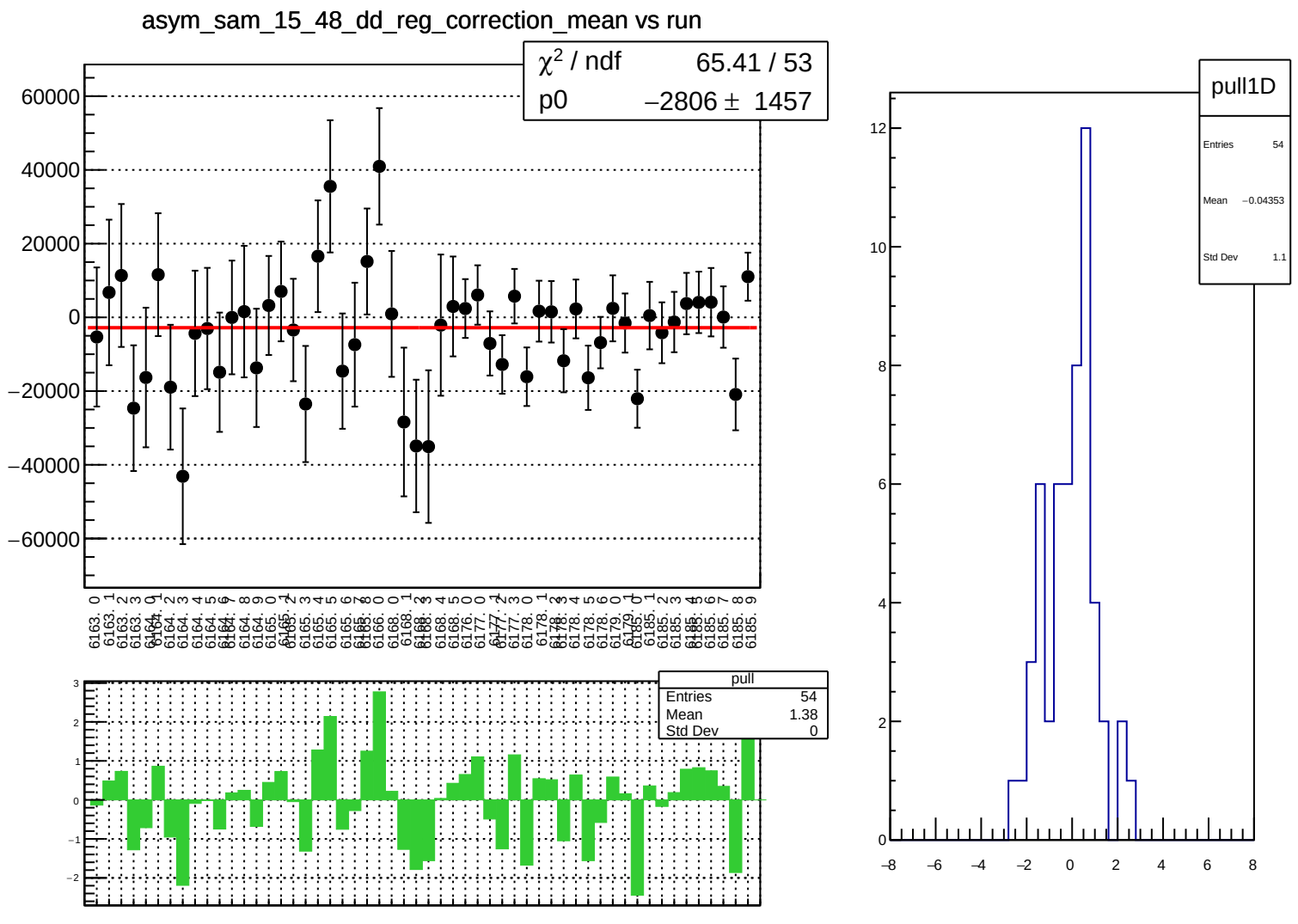

pull1D
Entries 54
Mean 0.03509
Std Dev 0.9356

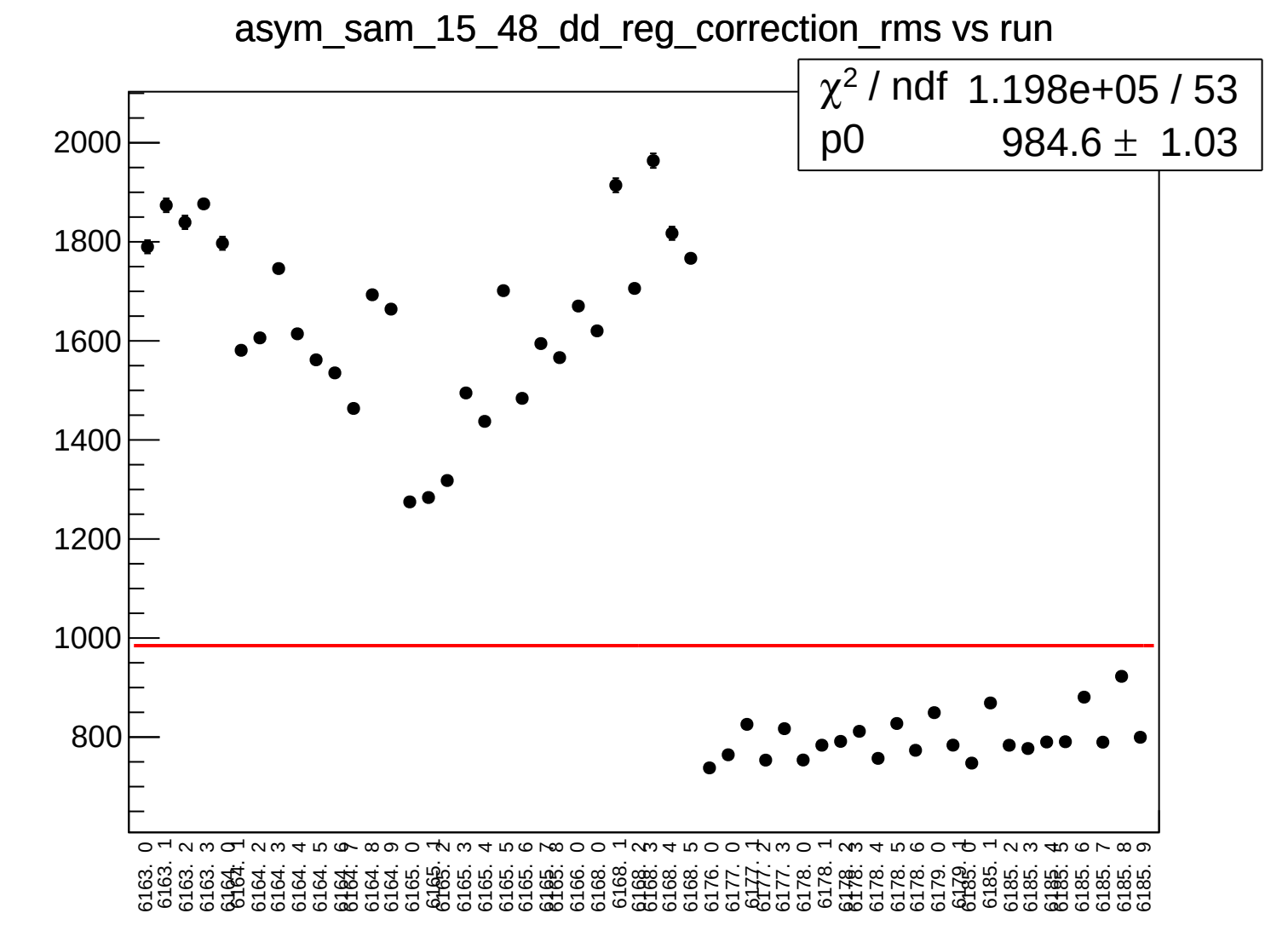

asym_sam_3726_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.413e+05 / 53
p0 3.224e−11 ± 5.151e−14
0.7
0.6
0.5
0.4
0.3
0.2
0.1
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

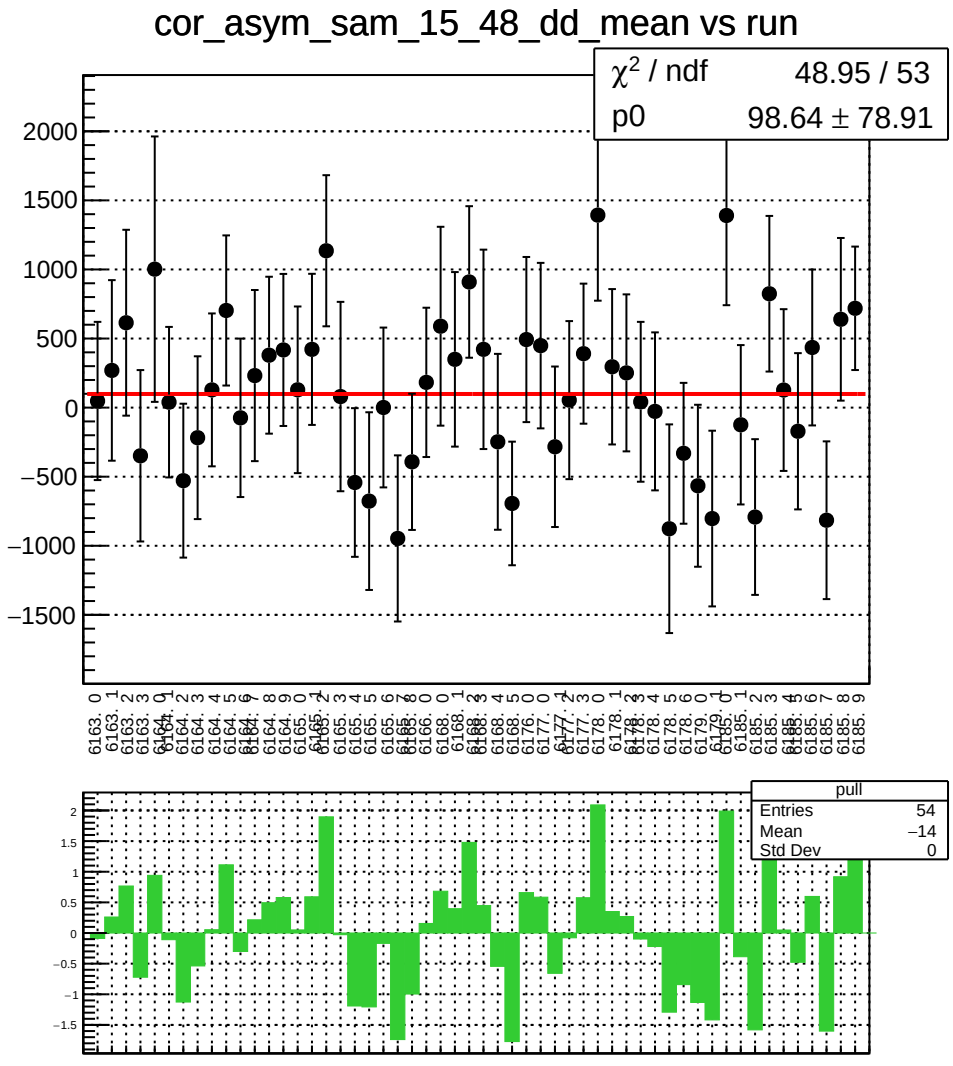

reg_asym_sam_15_48_dd_mean vs run
χ² / ndf 48.95 / 53
p0 98.63 ± 78.91
pull
Entries 54
Mean −13.99
Std Dev 0

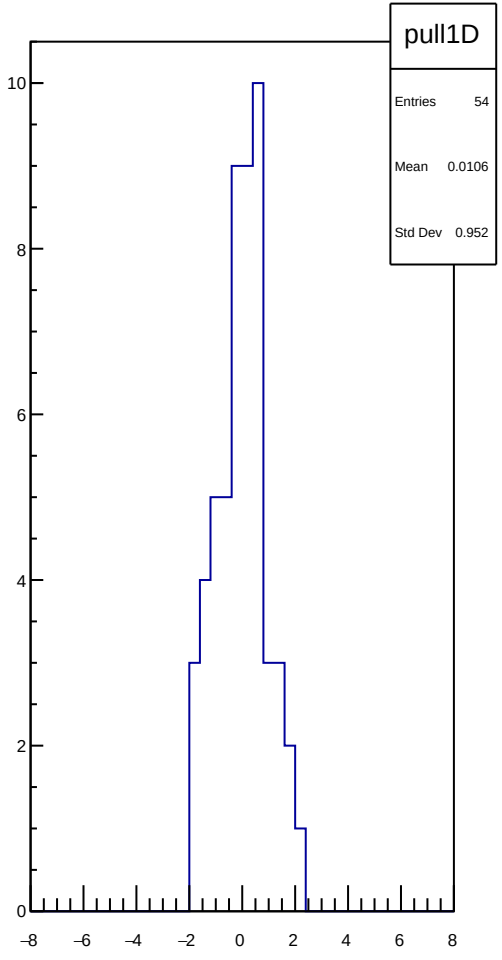

pull1D
Entries 54
Mean 0.0106
Std Dev 0.952

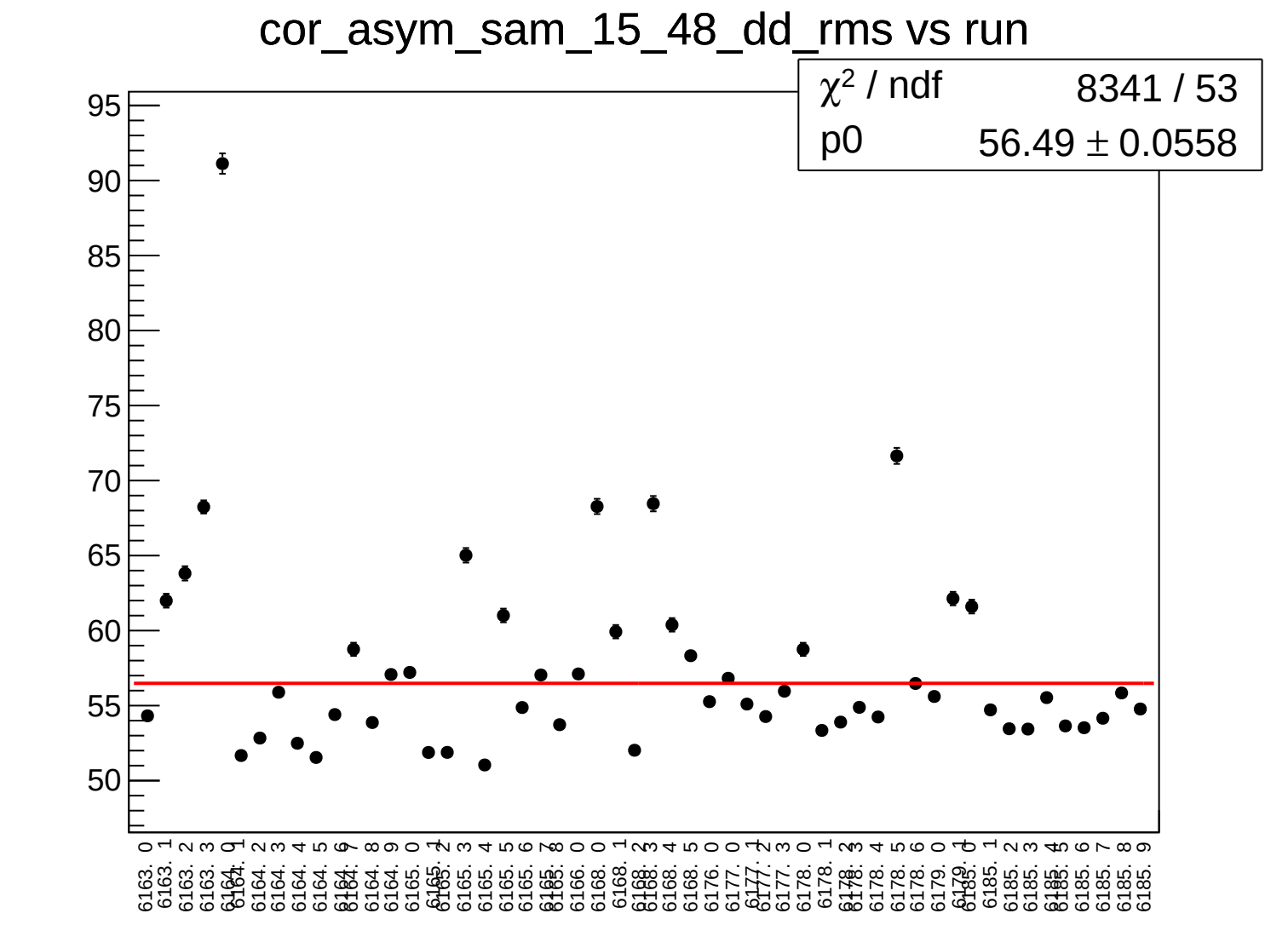

reg_asym_sam_15_48_dd_rms vs run
χ² / ndf 8341 / 53
p0 56.49 ± 0.0558
95
90
85
80
75
70
65
60
55
50
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

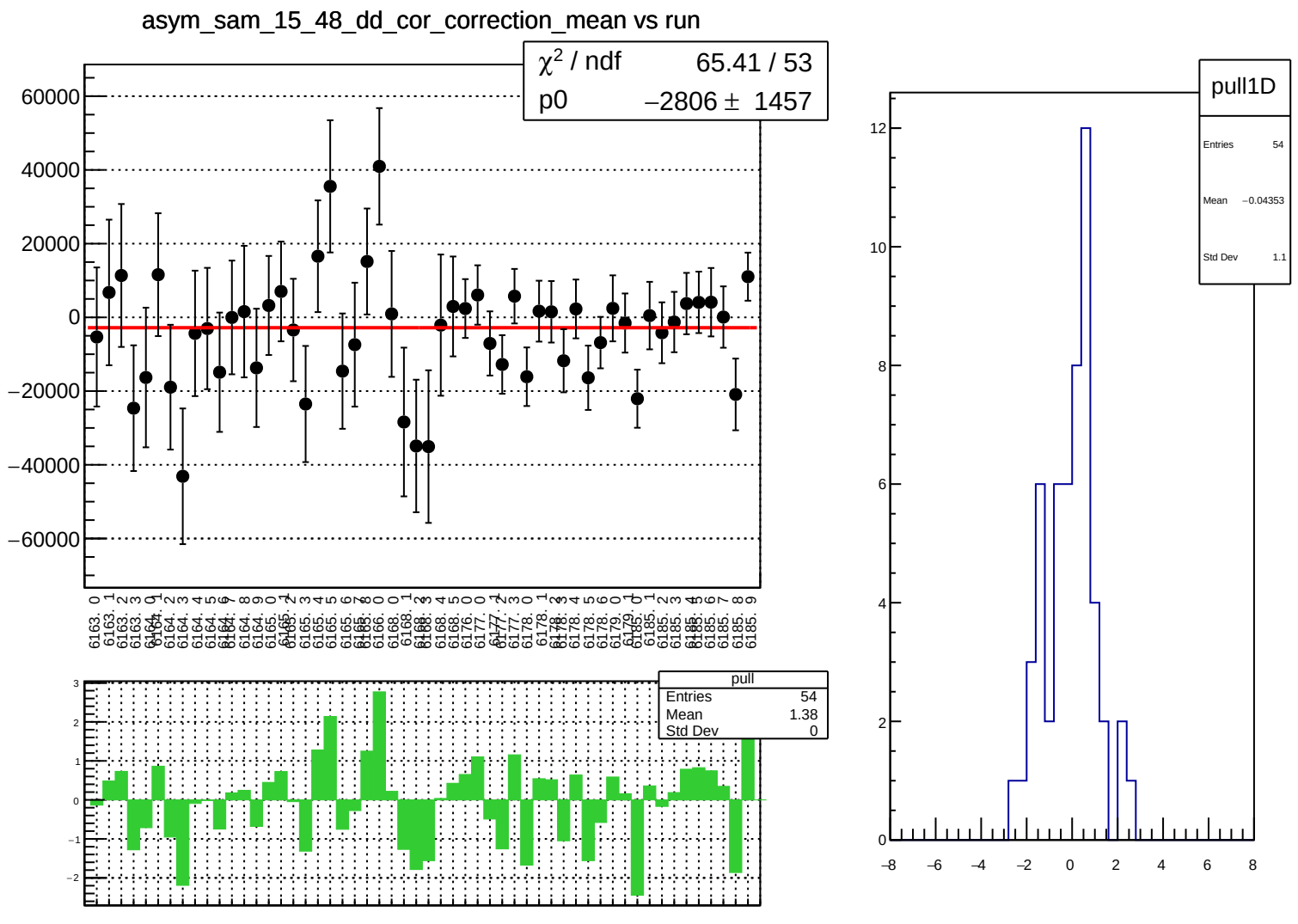

asym_sam_15_48_dd_reg_correction_mean vs run
χ² / ndf 65.41 / 53
p0 −2806 ± 1457
pull
Entries 54
Mean 1.38
Std Dev 0
pull1D
Entries 54
Mean −0.04353
Std Dev 1.1

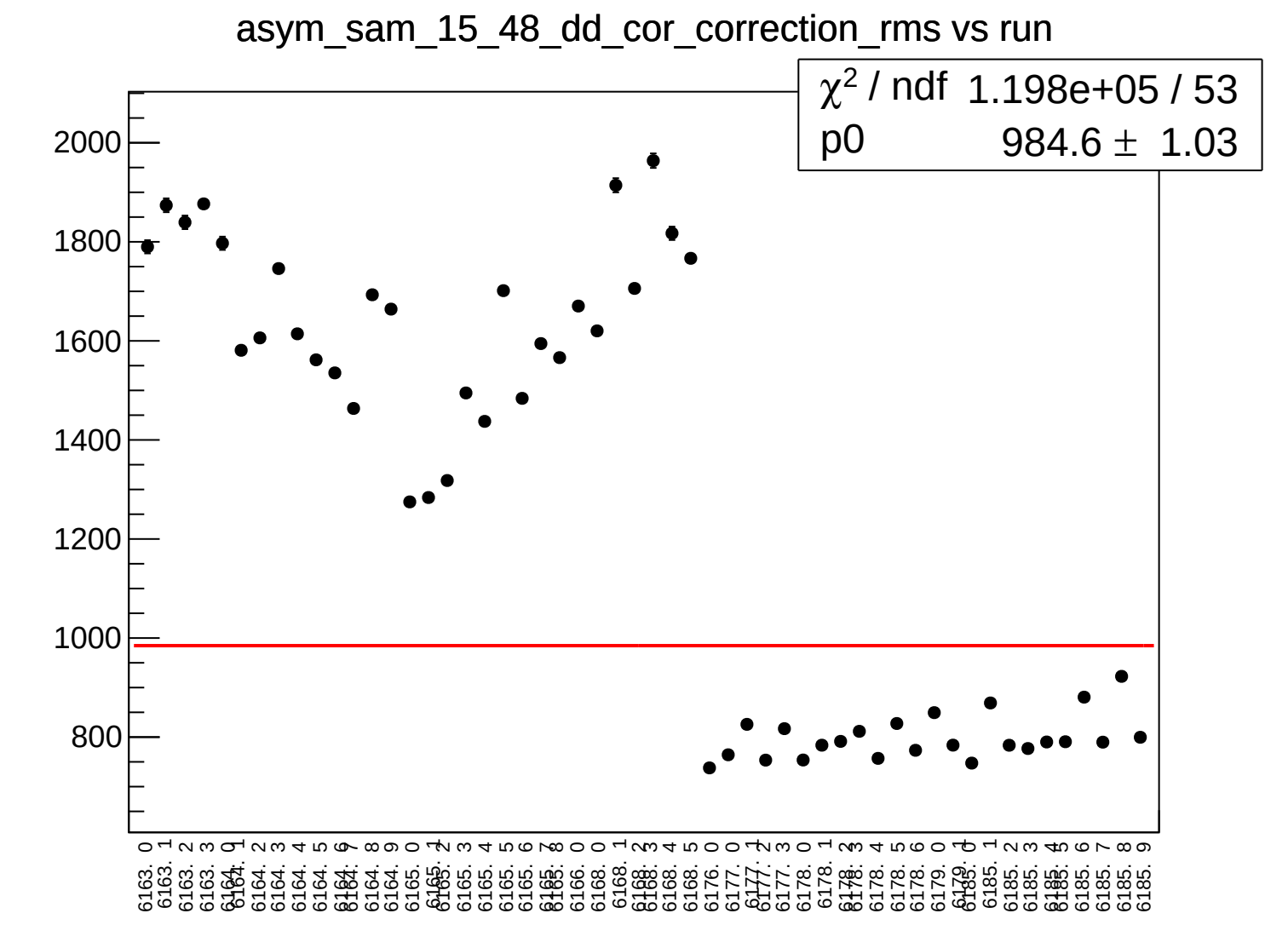

asym_sam_15_48_dd_reg_correction_rms vs run
χ² / ndf 1.198e+05 / 53
p0 984.6 ± 1.03
2000
1800
1600
1400
1200
1000
800
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

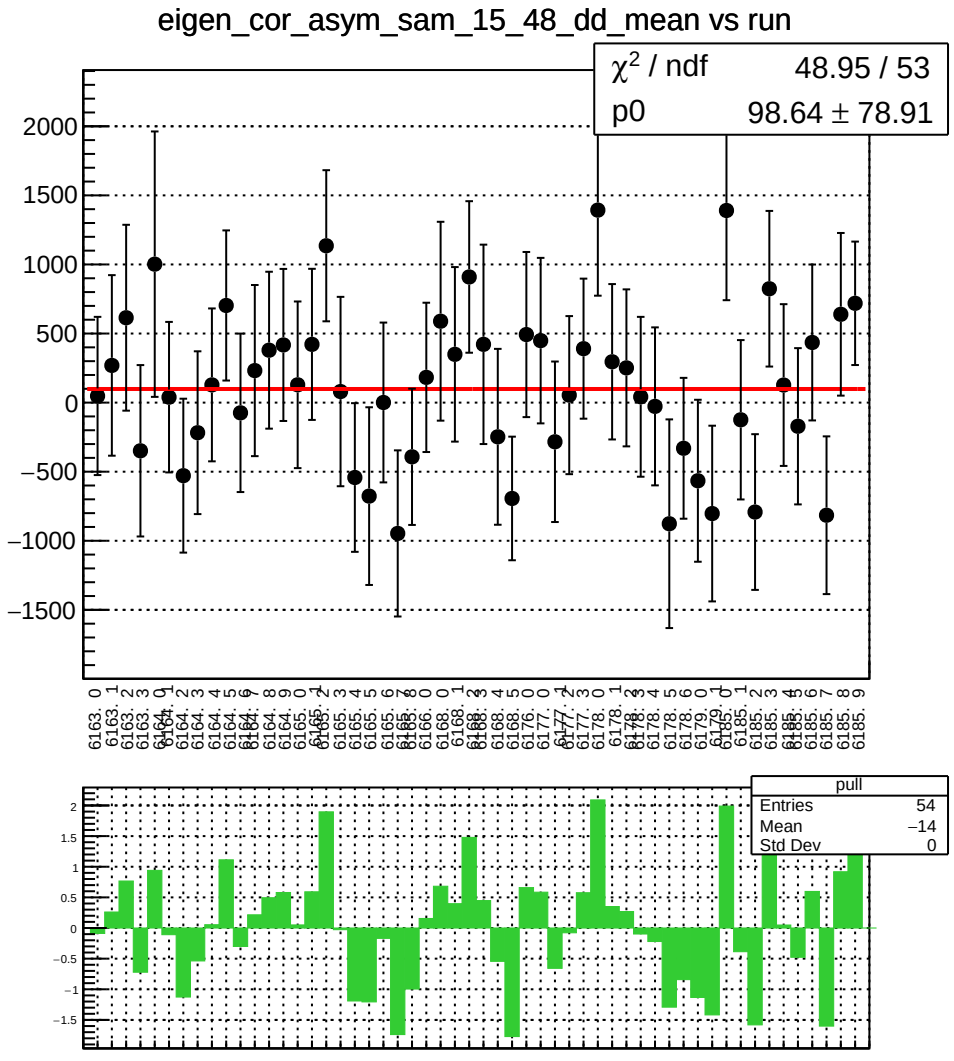

cor_asym_sam_15_48_dd_mean vs run
χ^2 / ndf 48.95 / 53
p0 98.64 ± 78.91
pull
Entries 54
Mean −14
Std Dev 0

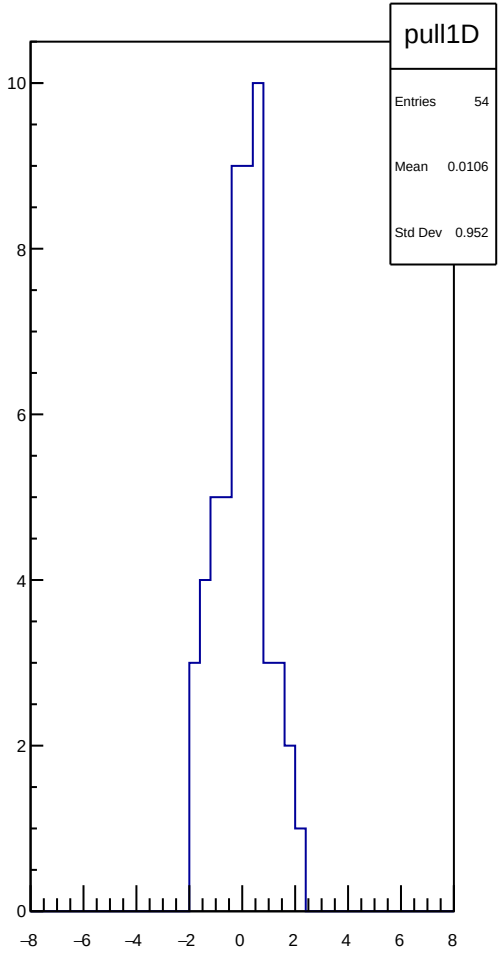

pull1D
Entries 54
Mean 0.0106
Std Dev 0.952

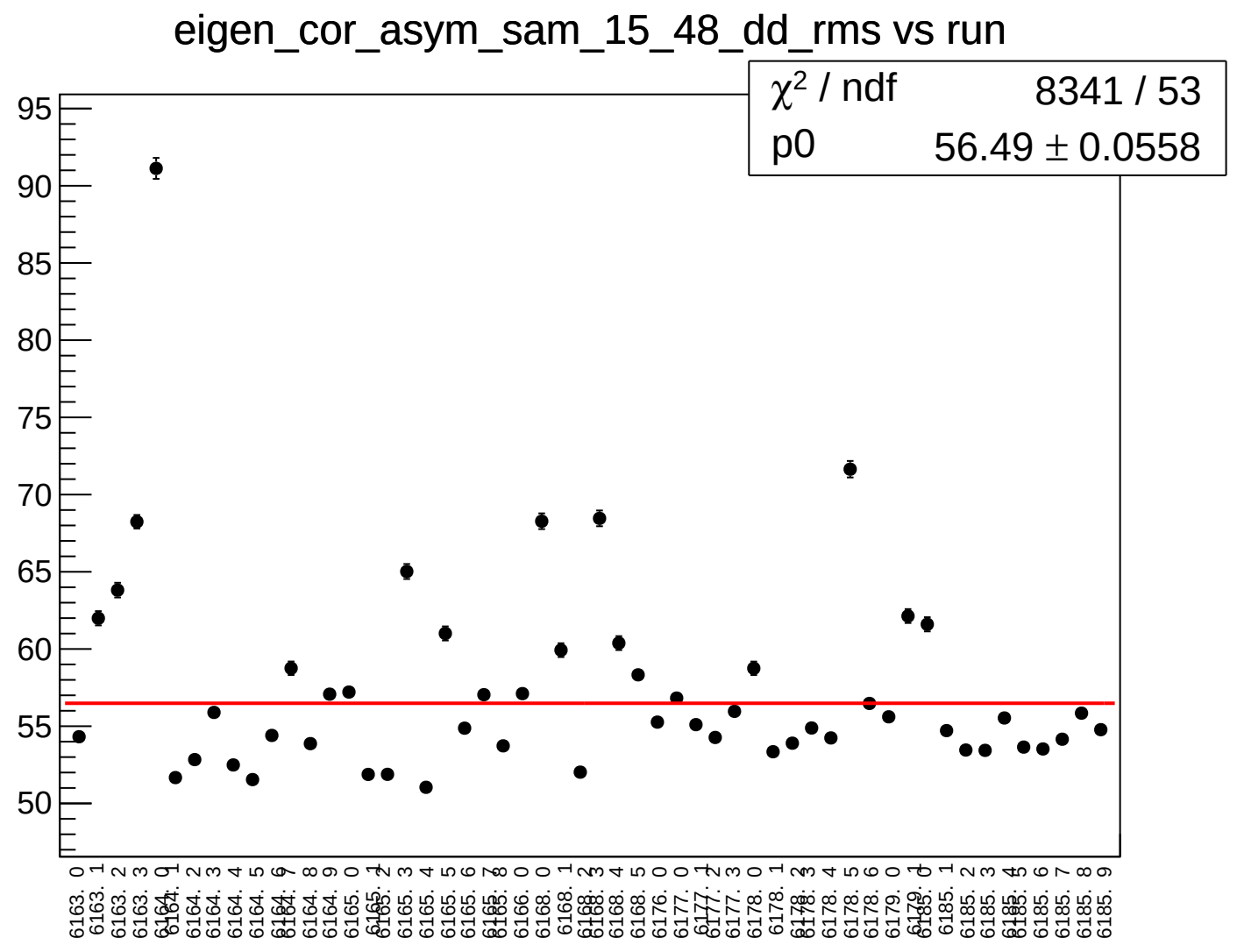

cor_asym_sam_15_48_dd_rms vs run
χ² / ndf 8341 / 53
p0 56.49 ± 0.0558
95
90
85
80
75
70
65
60
55
50
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

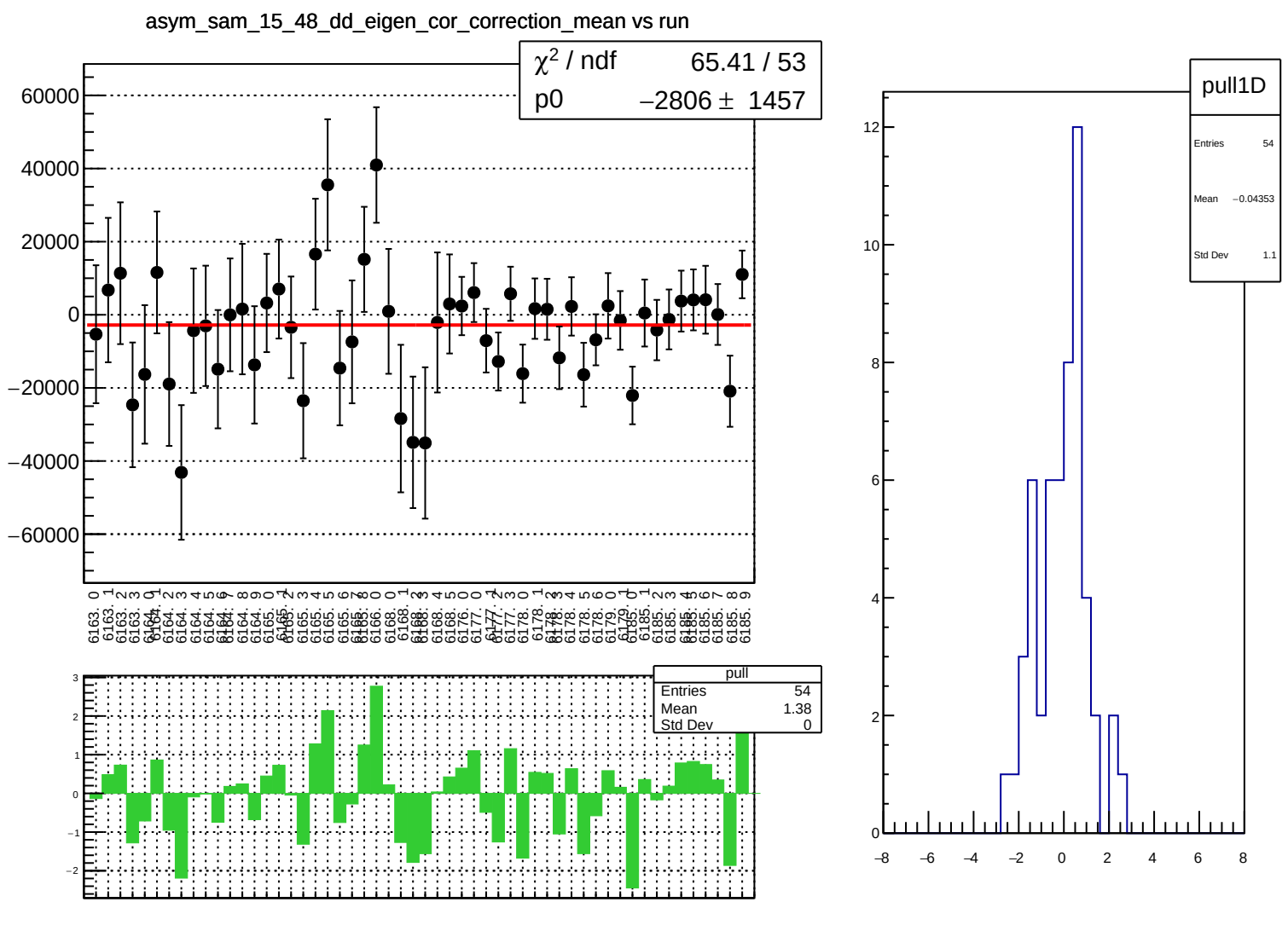

asym_sam_15_48_dd_cor_correction_mean vs run
χ² / ndf 65.41 / 53
p0 −2806 ± 1457
pull
Entries 54
Mean 1.38
Std Dev 0
pull1D
Entries 54
Mean −0.04353
Std Dev 1.1

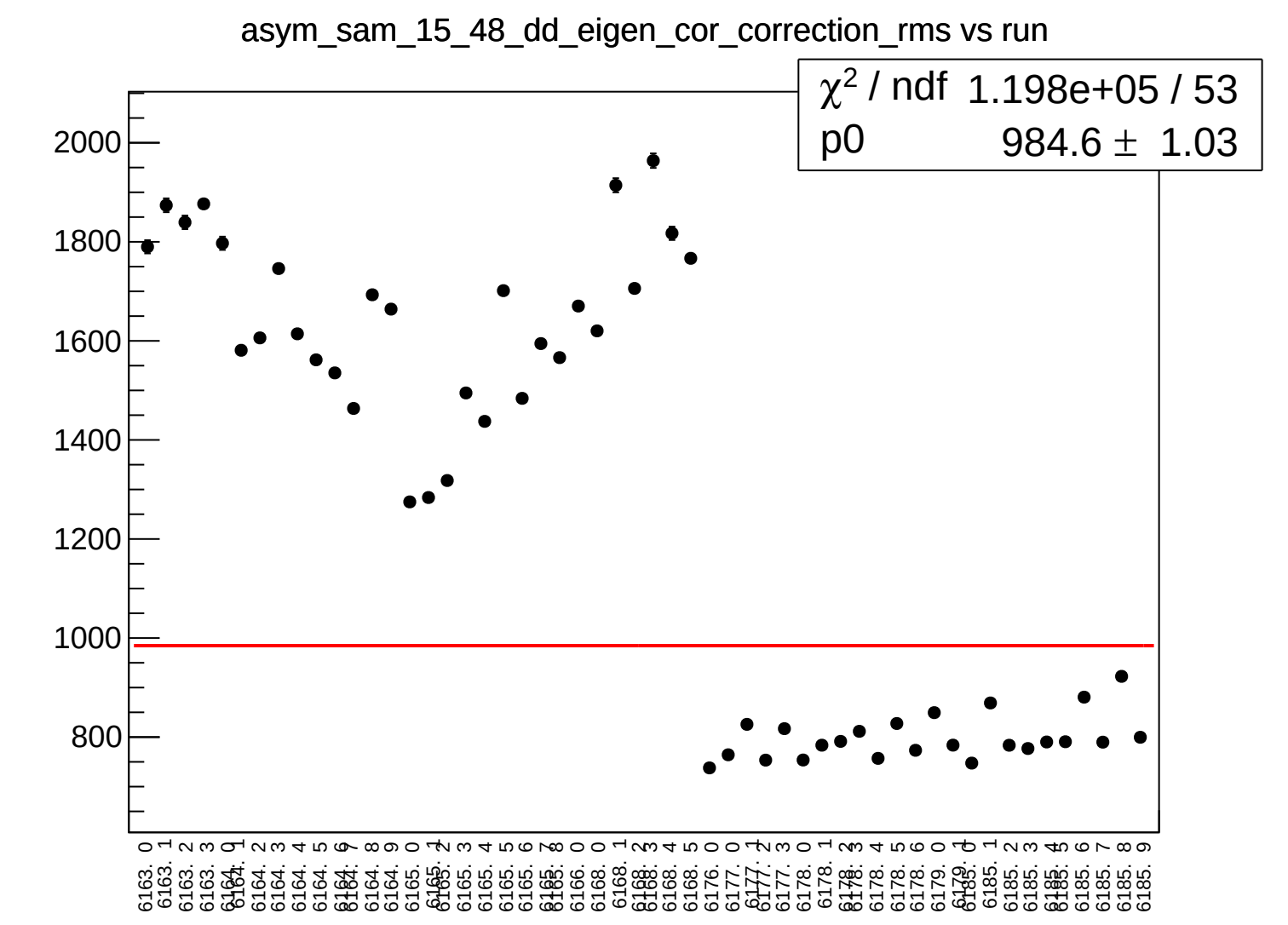

asym_sam_15_48_dd_cor_correction_rms vs run
χ² / ndf 1.198e+05 / 53
p0 984.6 ± 1.03
2000
1800
1600
1400
1200
1000
800
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

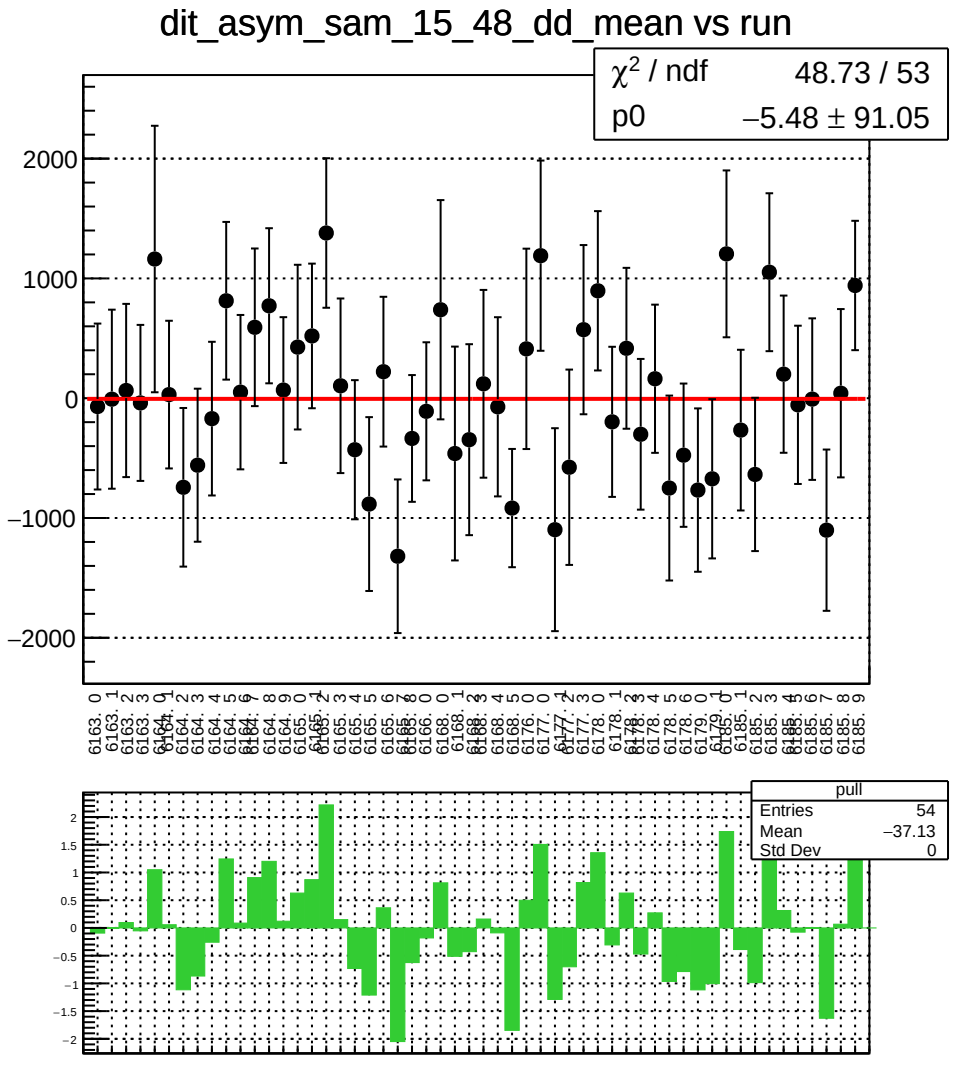

eigen_cor_asym_sam_15_48_dd_mean vs run
χ² / ndf 48.95 / 53
p0 98.64 ± 78.91
pull
Entries 54
Mean −14
Std Dev 0

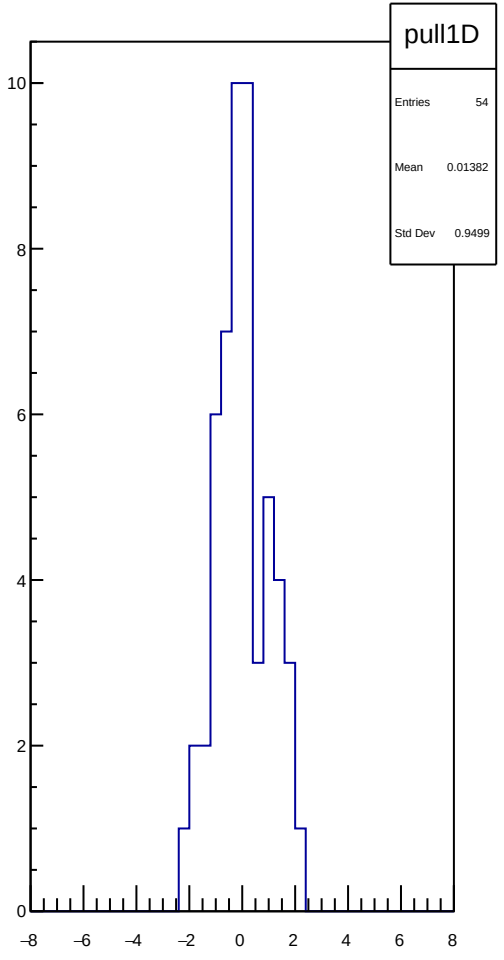

pull1D
Entries 54
Mean 0.0106
Std Dev 0.952

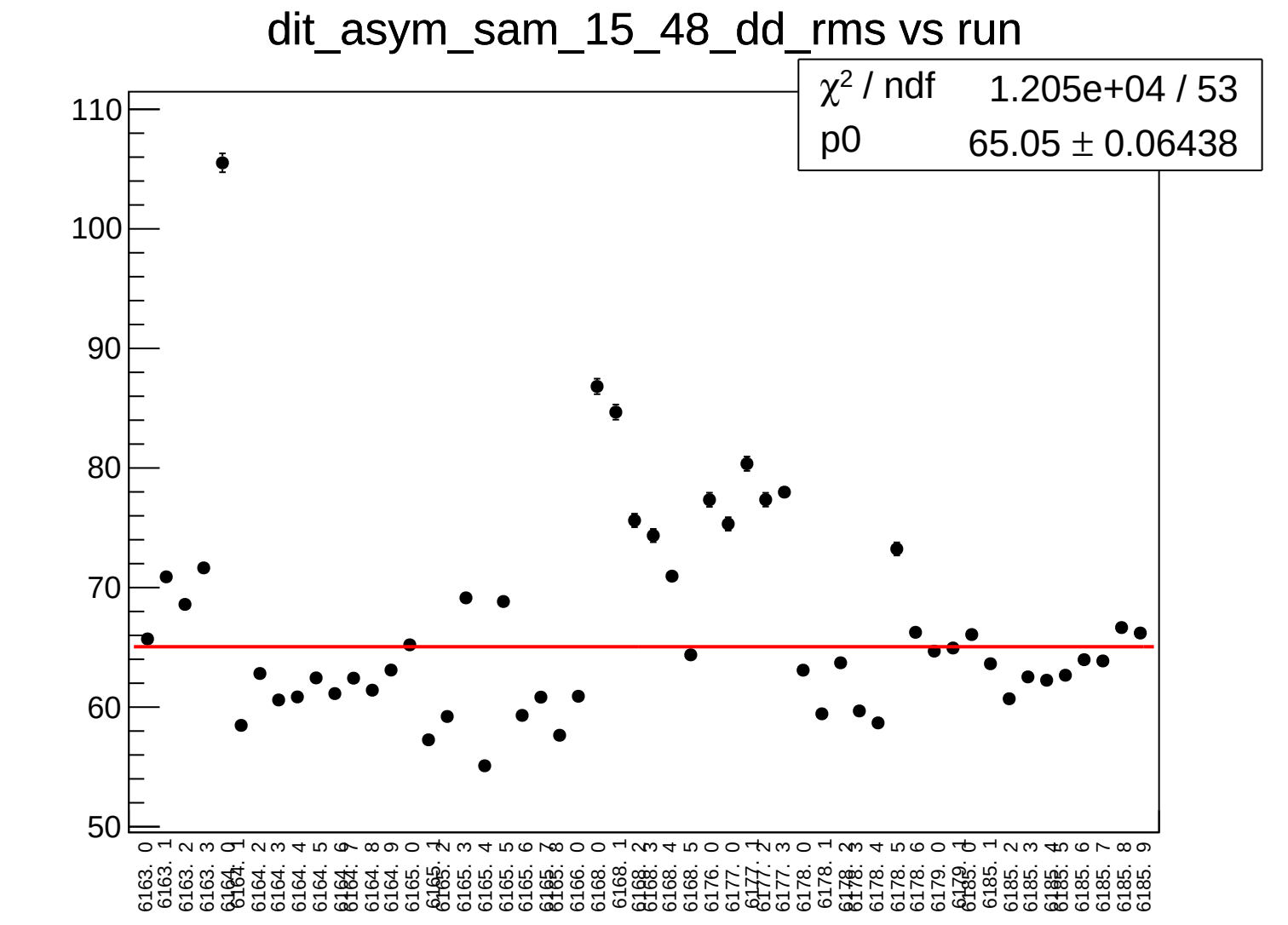

eigen_cor_asym_sam_15_48_dd_rms vs run
χ² / ndf 8341 / 53
p0 56.49 ± 0.0558
95
90
85
80
75
70
65
60
55
50
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

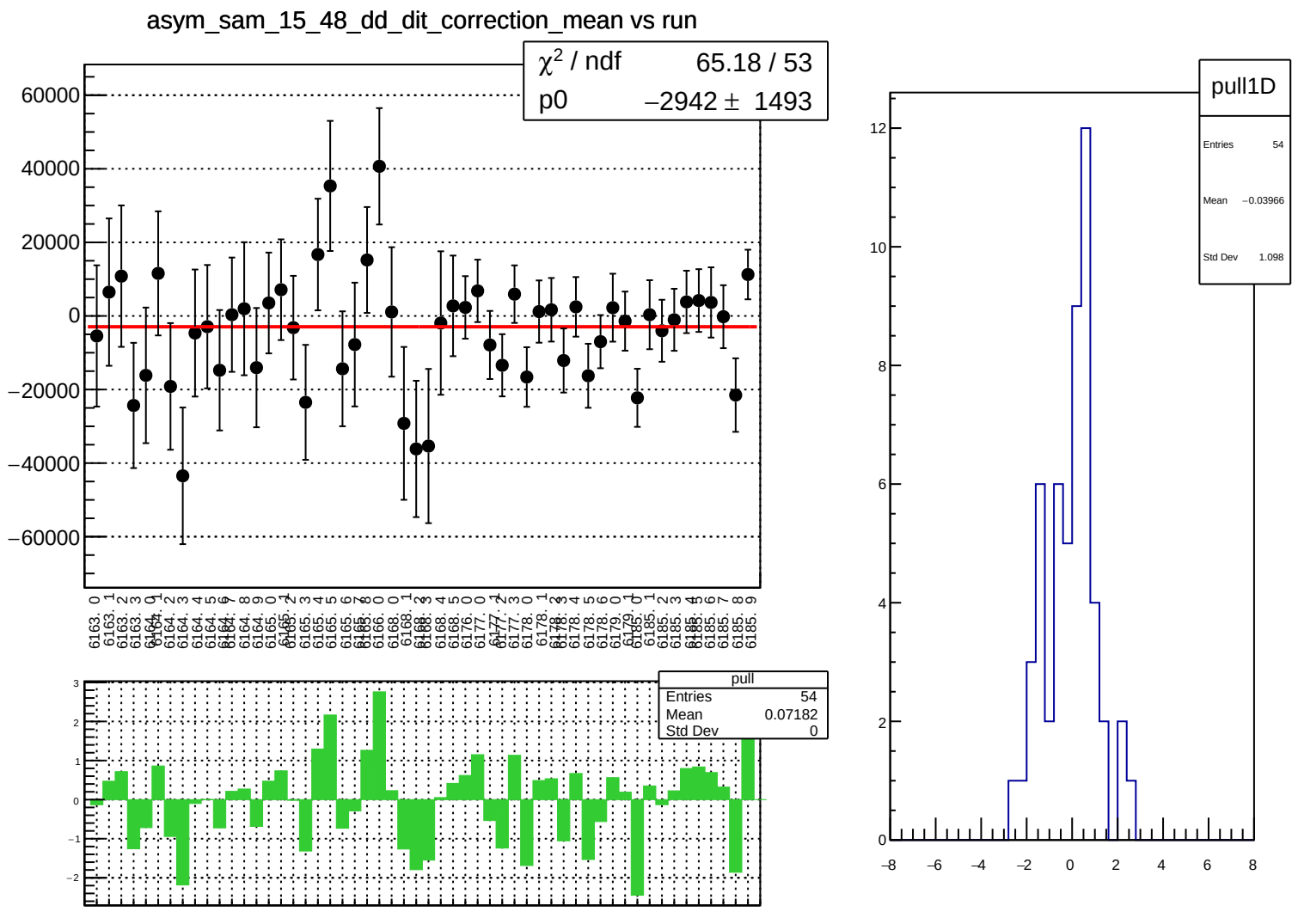

asym_sam_15_48_dd_eigen_cor_correction_mean vs run
χ² / ndf 65.41 / 53
p0 −2806 ± 1457
pull
Entries 54
Mean 1.38
Std Dev 0
pull1D
Entries 54
Mean −0.04353
Std Dev 1.1

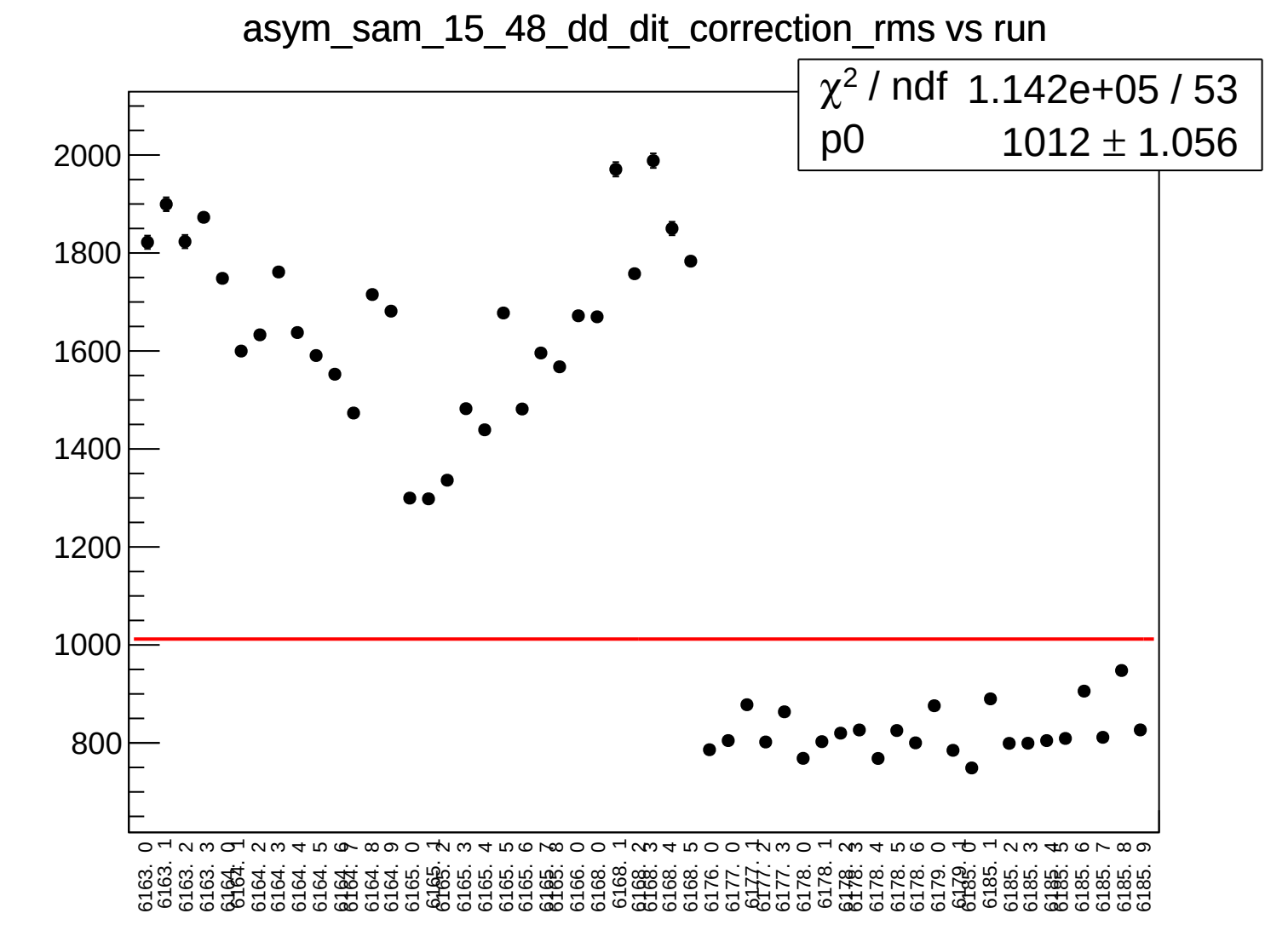

asym_sam_15_48_dd_eigen_cor_correction_rms vs run
χ² / ndf 1.198e+05 / 53
p0 984.6 ± 1.03
2000
1800
1600
1400
1200
1000
800
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

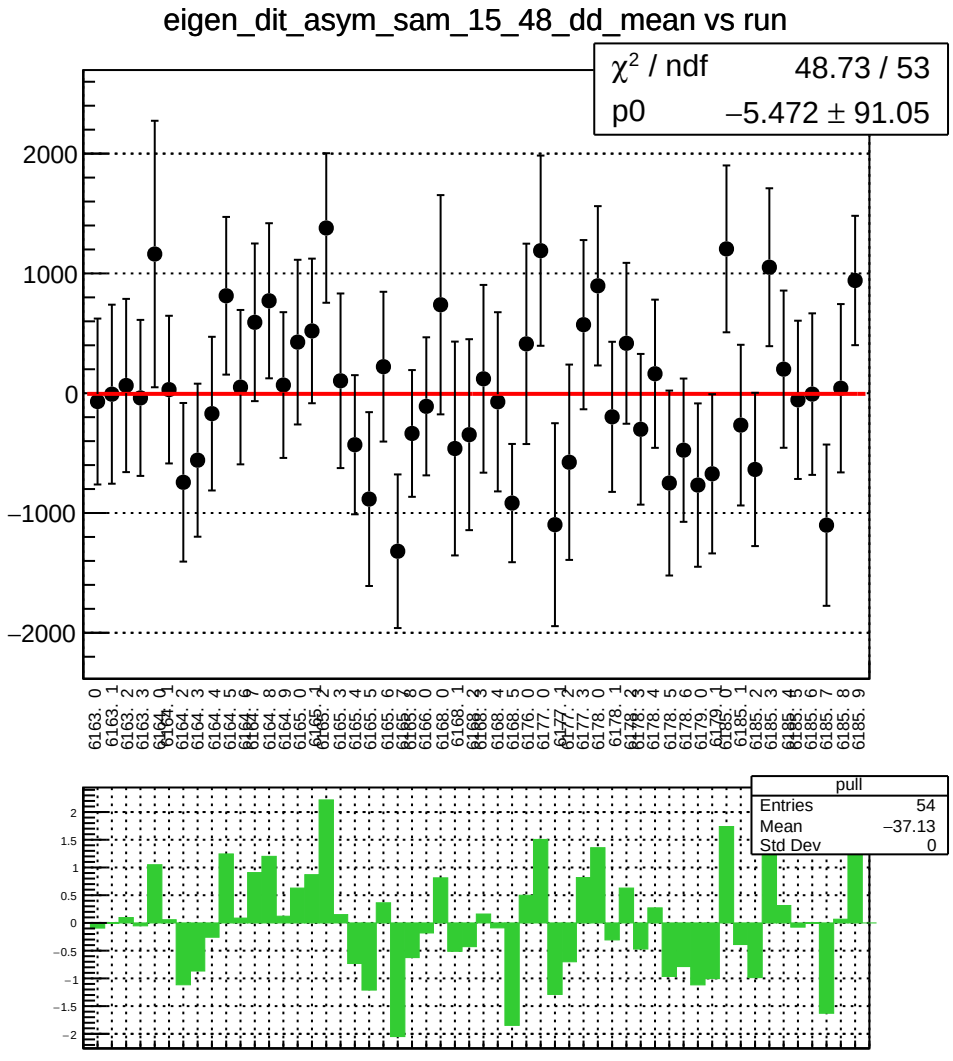

dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 48.73 / 53
p0 −5.48 ± 91.05
2000
1000
0
−1000
−2000
pull
Entries 54
Mean −37.13
Std Dev 0

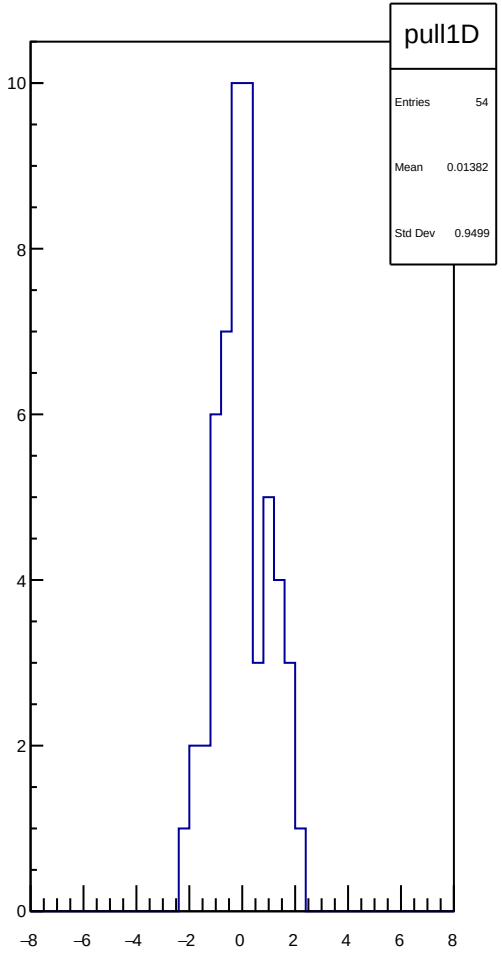

pull1D
Entries 54
Mean 0.01382
Std Dev 0.9499
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

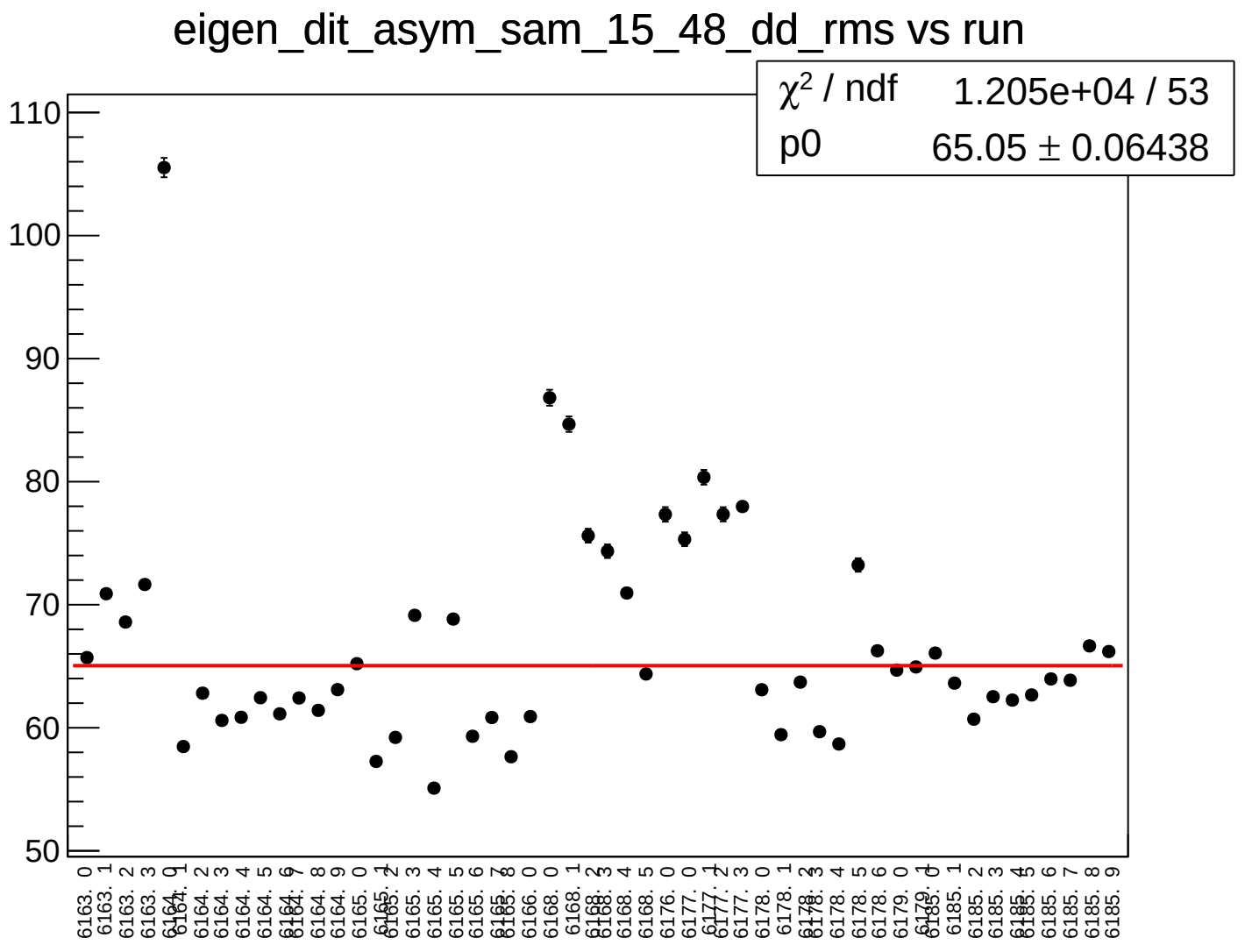

dit_asym_sam_15_48_dd_rms vs run
χ² / ndf 1.205e+04 / 53
p0 65.05 ± 0.06438
110
100
90
80
70
60
50
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

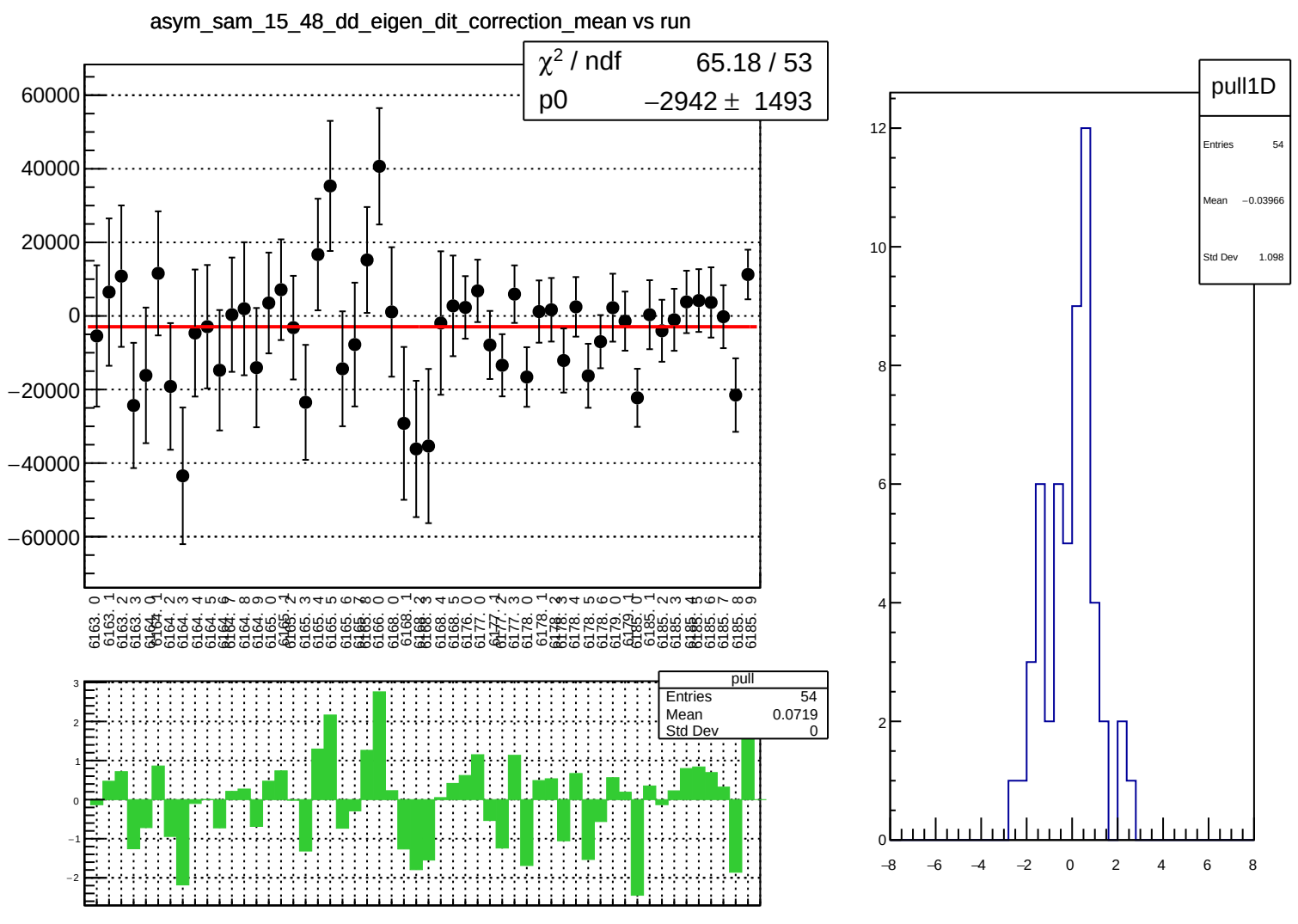

asym_sam_15_48_dd_dit_correction_mean vs run
χ² / ndf 65.18 / 53
p0 −2942 ± 1493
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 0.07182
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 54
Mean −0.03966
Std Dev 1.098
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

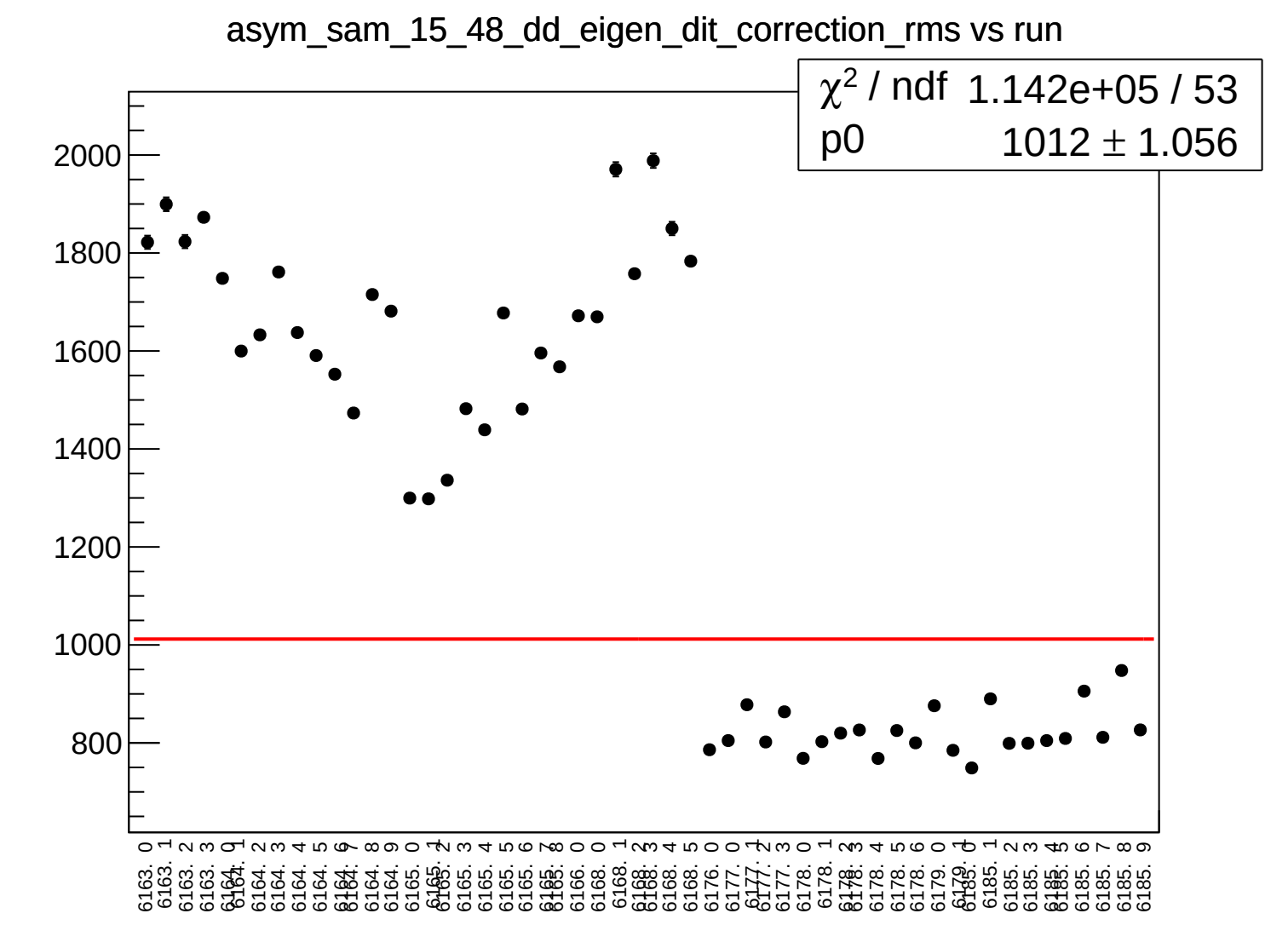

asym_sam_15_48_dd_dit_correction_rms vs run
χ² / ndf 1.142e+05 / 53
p0 1012 ± 1.056
2000
1800
1600
1400
1200
1000
800
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

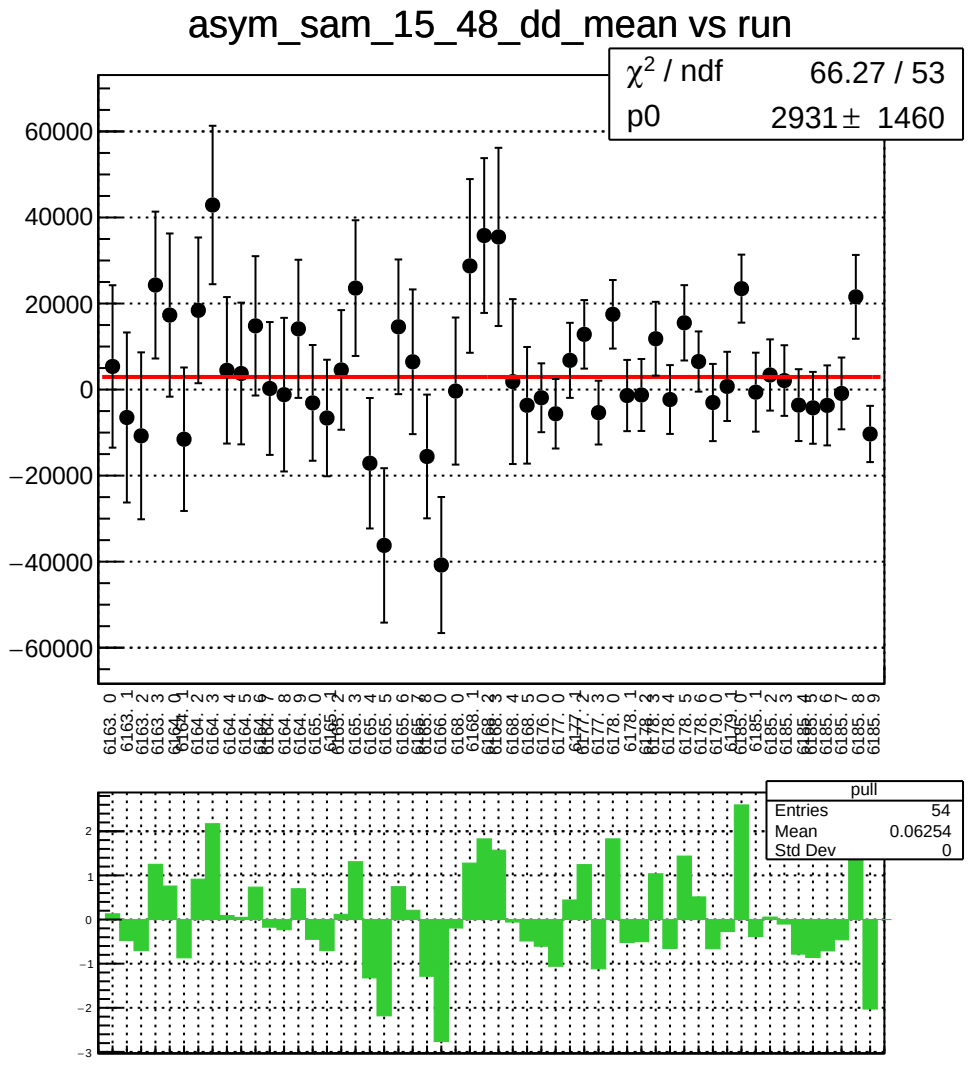

eigen_dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 48.73 / 53
p0 −5.472 ± 91.05
2000
1000
0
−1000
−2000
pull
Entries 54
Mean −37.13
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

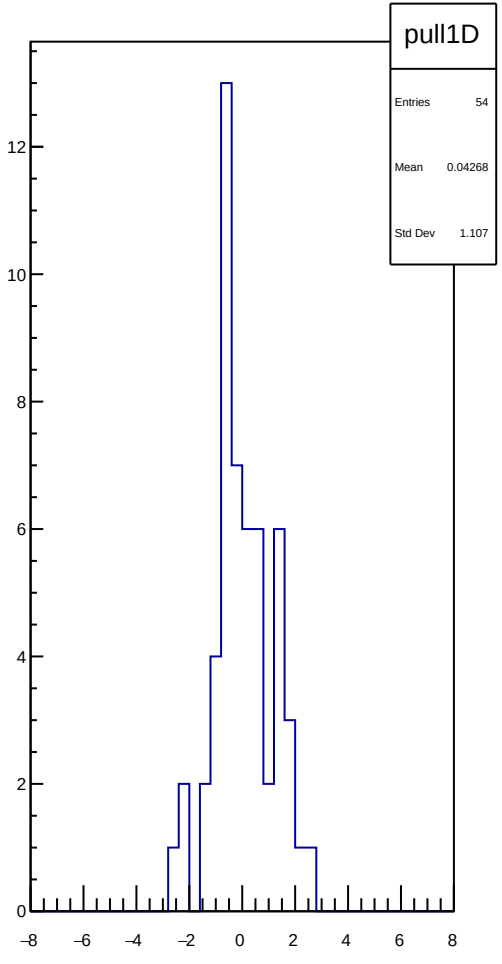

pull1D
Entries 54
Mean 0.01382
Std Dev 0.9499
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

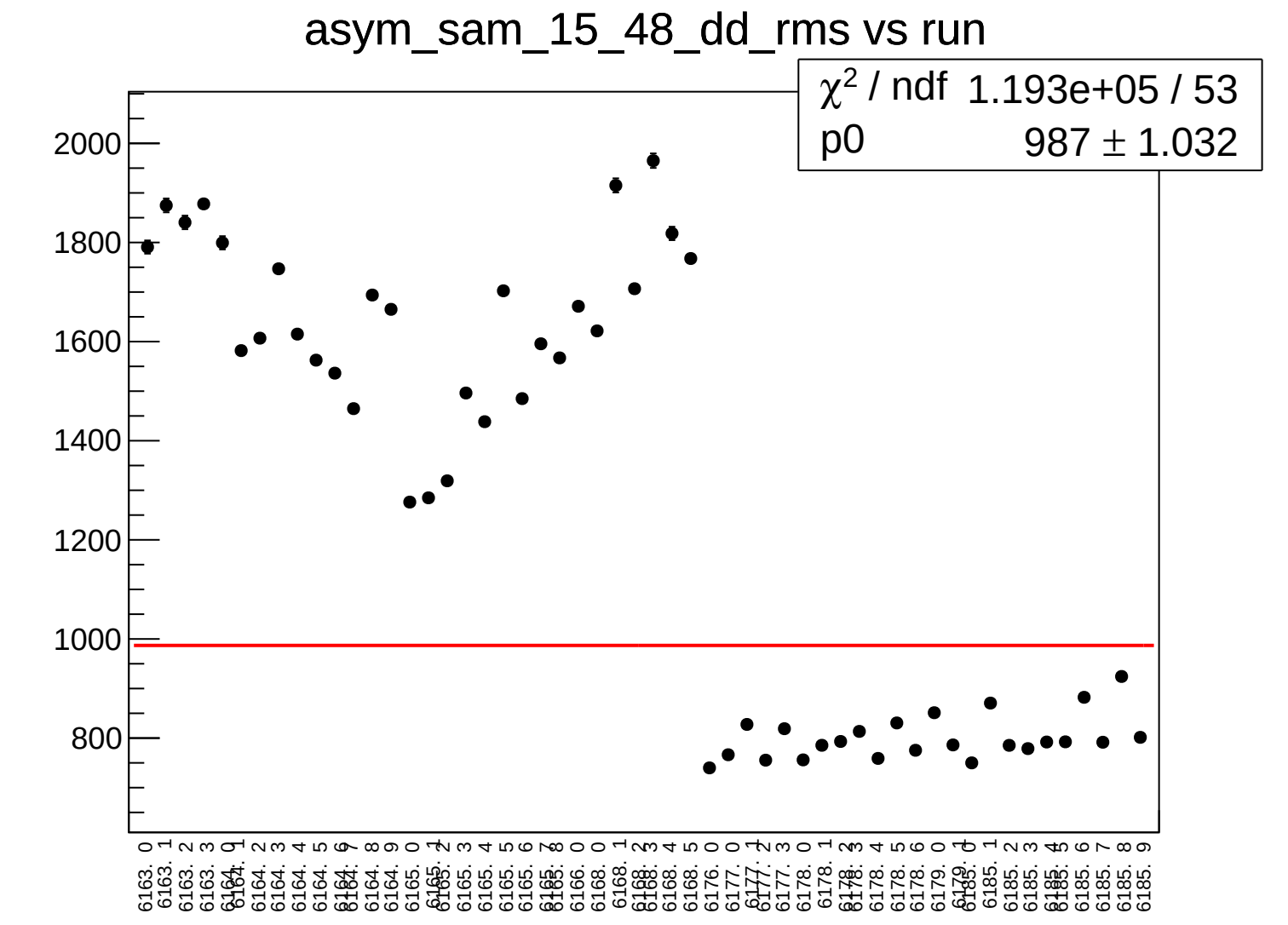

eigen_dit_asym_sam_15_48_dd_rms vs run
χ² / ndf 1.205e+04 / 53
p0 65.05 ± 0.06438
110
100
90
80
70
60
50
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

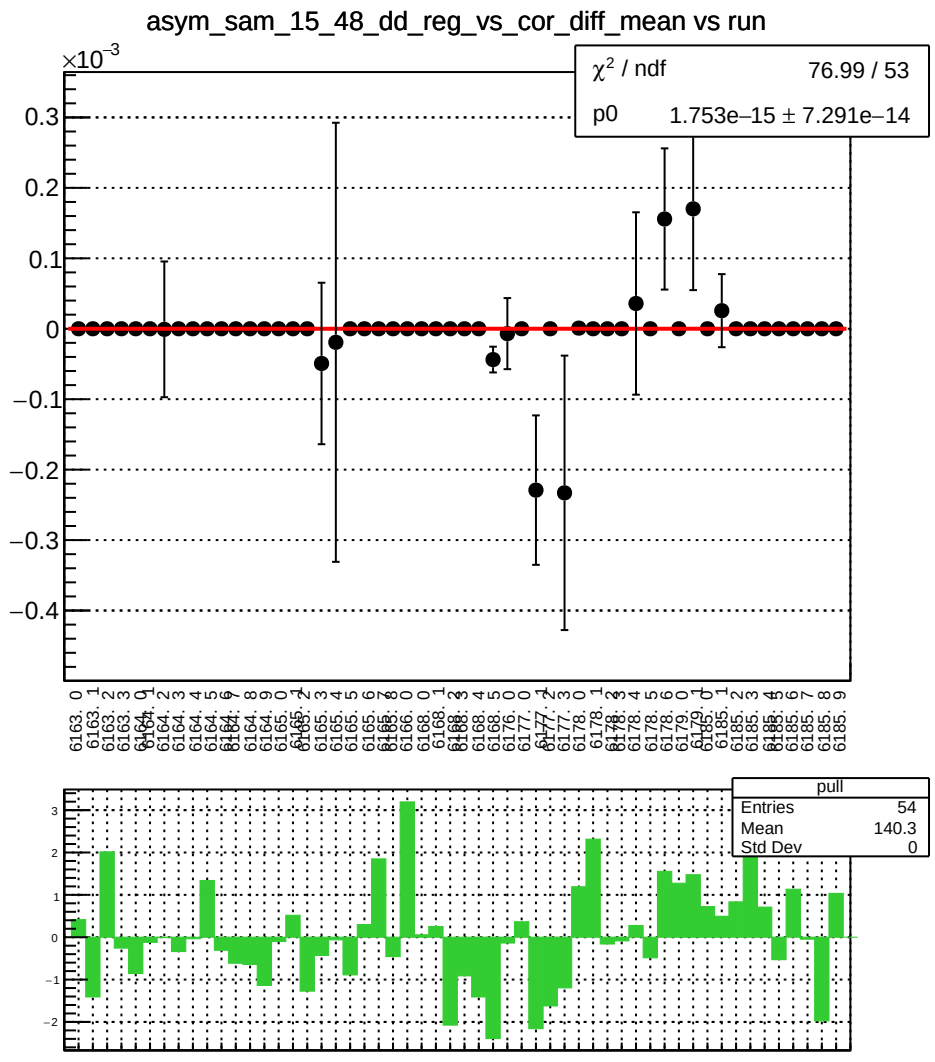

asym_sam_15_48_dd_eigen_dit_correction_mean vs run
χ² / ndf 65.18 / 53
p0 −2942 ± 1493
pull
Entries 54
Mean 0.0719
Std Dev 0
pull1D
Entries 54
Mean −0.03966
Std Dev 1.098

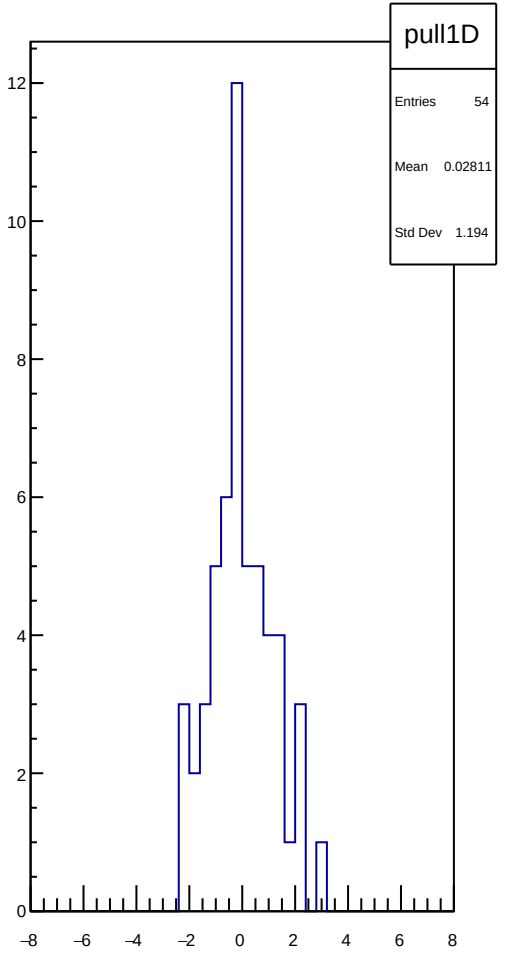

asym_sam_15_48_dd_eigen_dit_correction_rms vs run
χ² / ndf 1.142e+05 / 53
p0 1012 ± 1.056
2000
1800
1600
1400
1200
1000
800
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

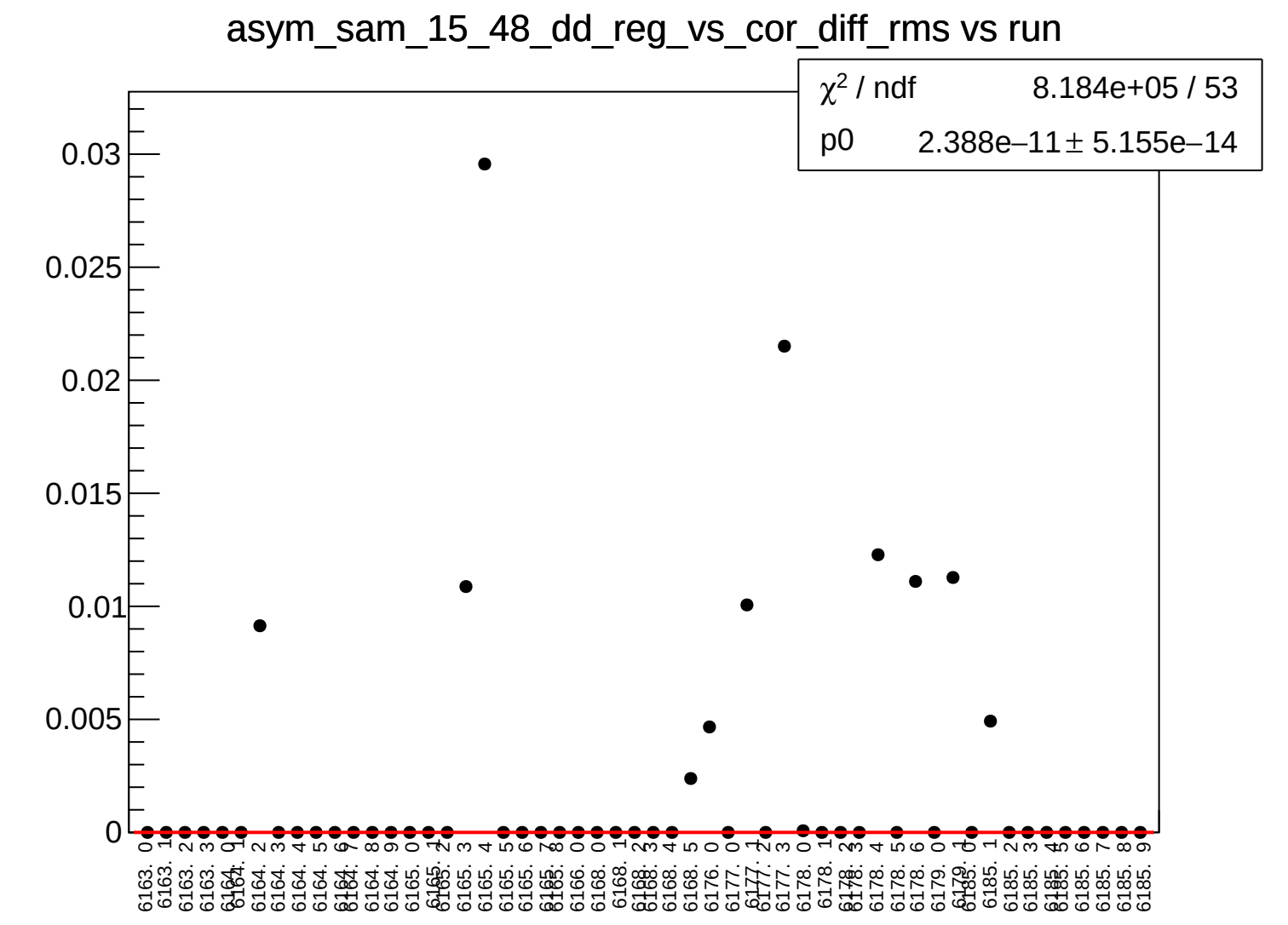

asym_sam_15_48_dd_mean vs run
χ² / ndf 66.27 / 53
p0 2931 ± 1460
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 0.06254
Std Dev 0
2
1
0
−1
−2
−3

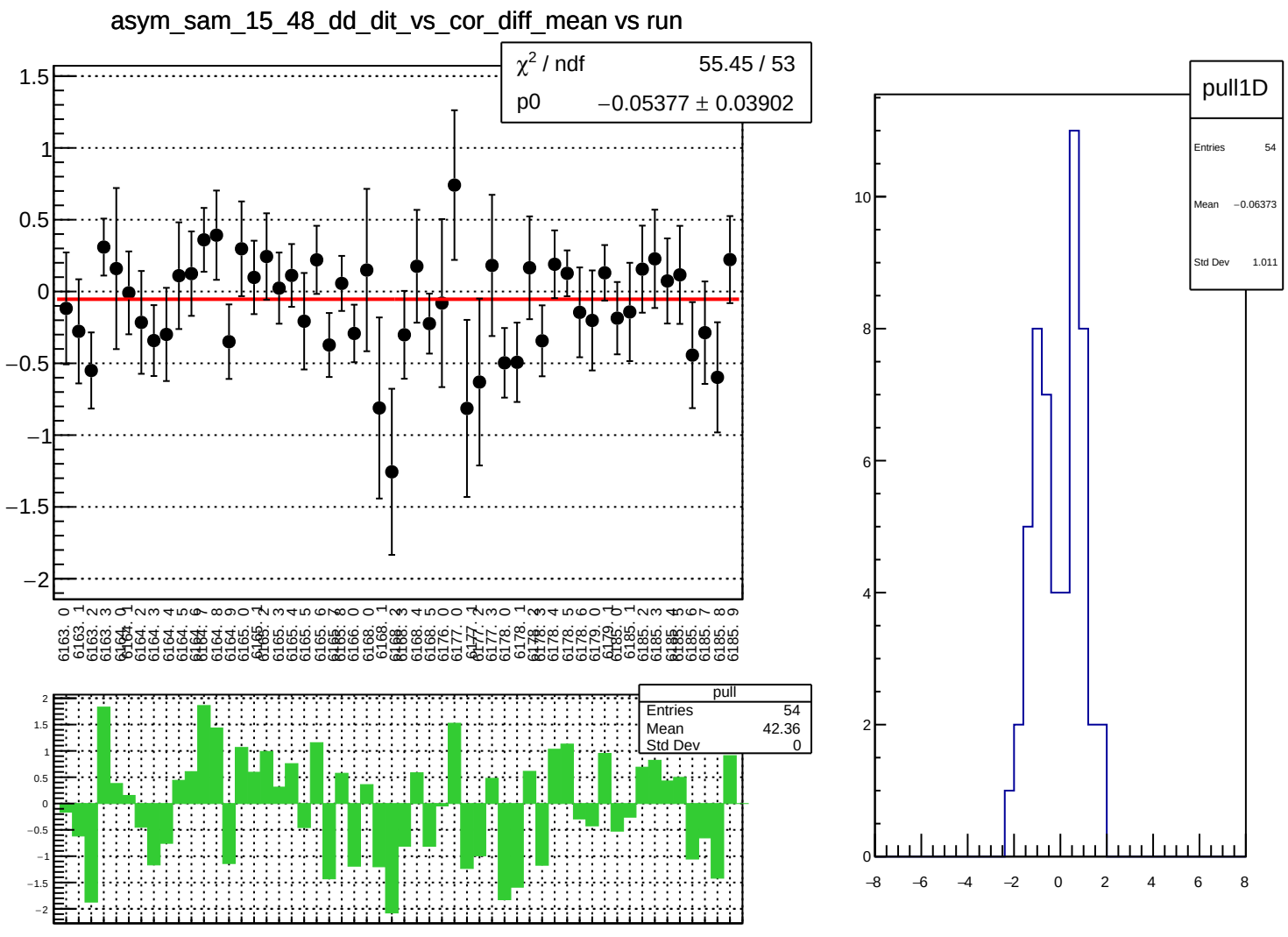

pull1D
Entries 54
Mean 0.04268
Std Dev 1.107
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

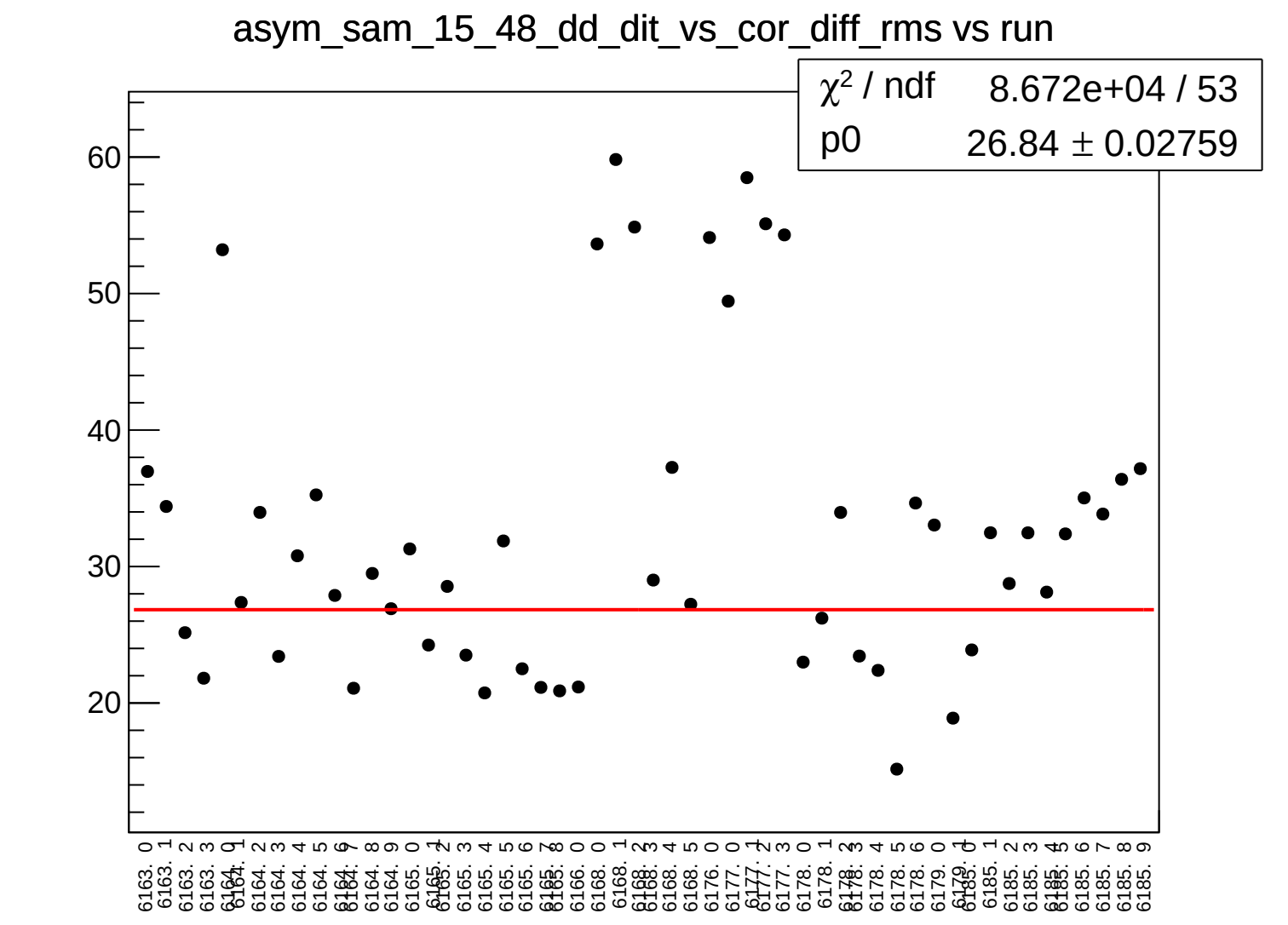

asym_sam_15_48_dd_rms vs run
χ² / ndf 1.193e+05 / 53
p0 987 ± 1.032
2000
1800
1600
1400
1200
1000
800
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

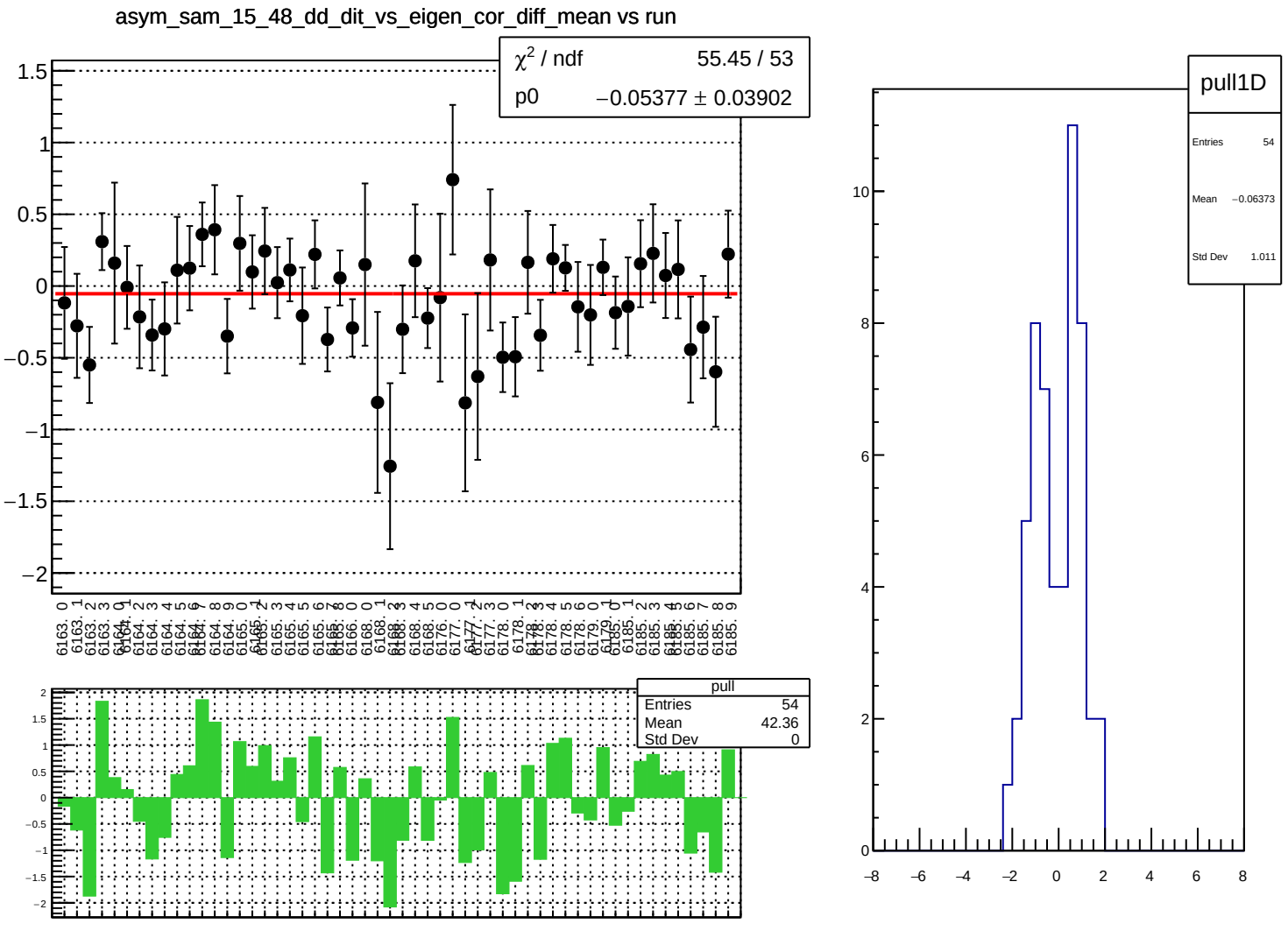

asym_sam_15_48_dd_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 76.99 / 53
p0 1.753e−15 ± 7.291e−14
pull
Entries 54
Mean 140.3
Std Dev 0

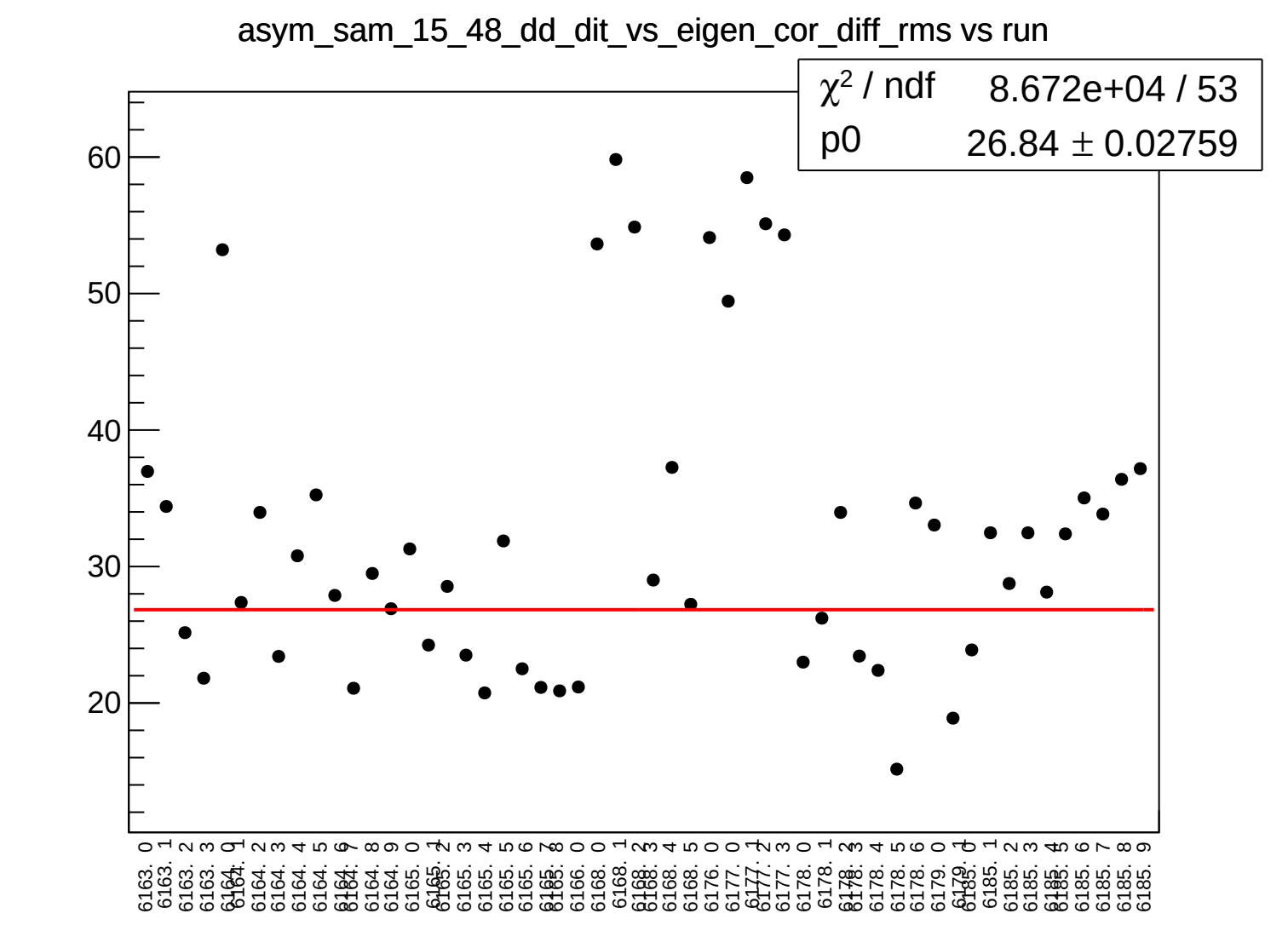

pull1D
Entries 54
Mean 0.02811
Std Dev 1.194

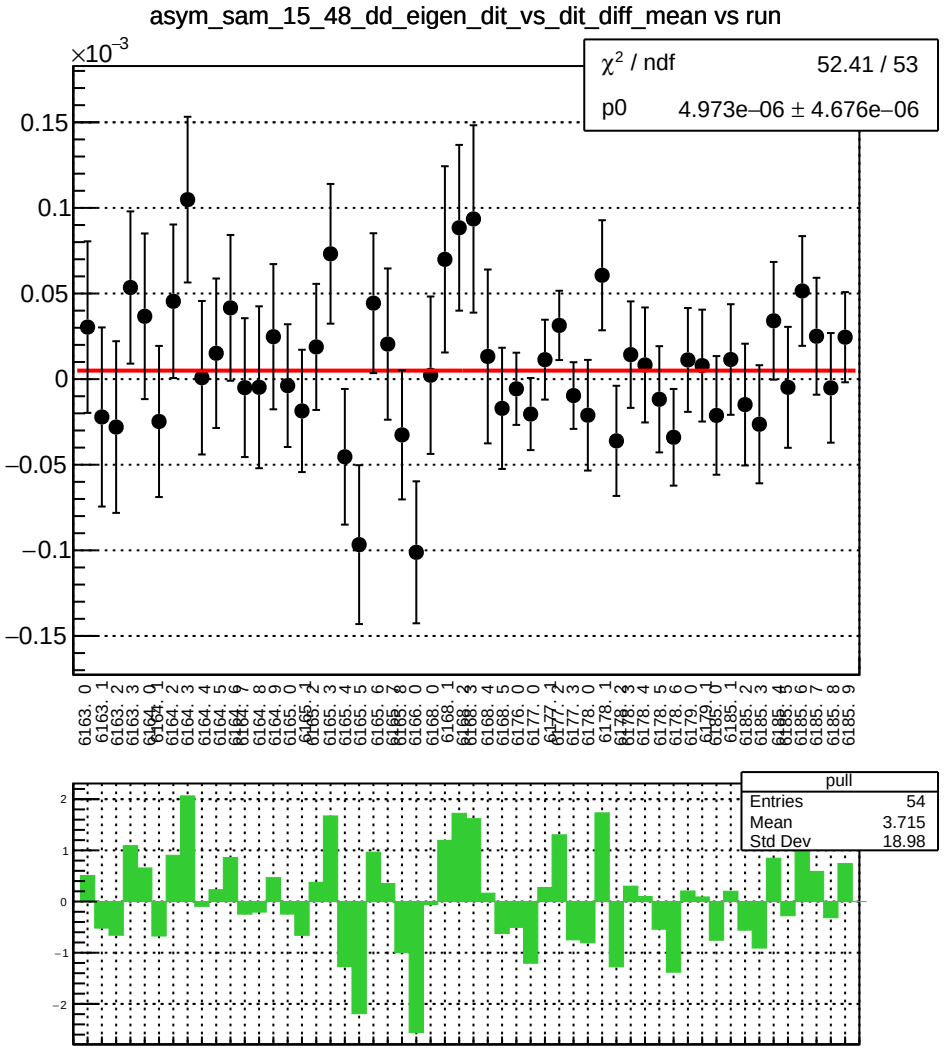

asym_sam_15_48_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 8.184e+05 / 53
p0 2.388e−11 ± 5.155e−14
0.03
0.025
0.02
0.015
0.01
0.005
0

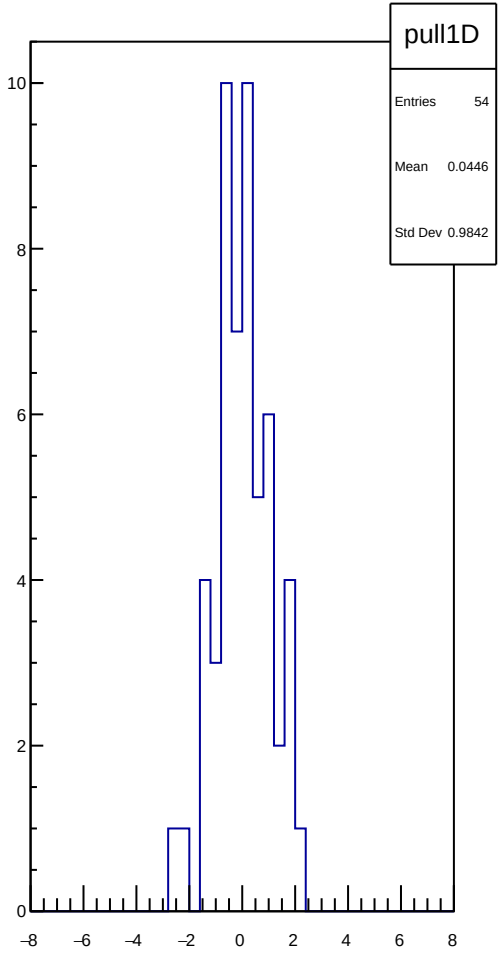

asym_sam_15_48_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 55.45 / 53
p0 −0.05377 ± 0.03902
pull
Entries 54
Mean 42.36
Std Dev 0
pull1D
Entries 54
Mean −0.06373
Std Dev 1.011

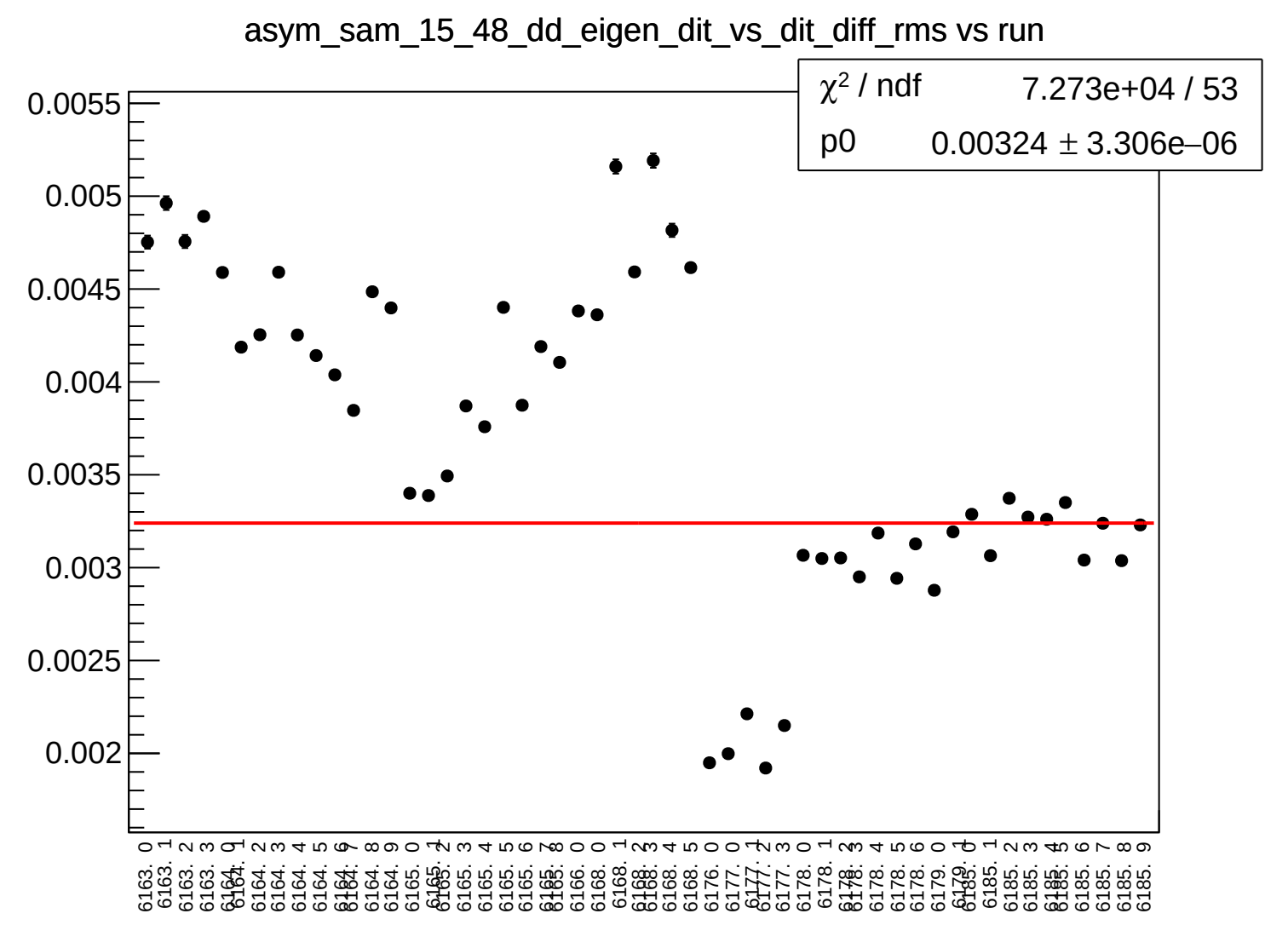

asym_sam_15_48_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 8.672e+04 / 53
p0 26.84 ± 0.02759
60
50
40
30
20
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

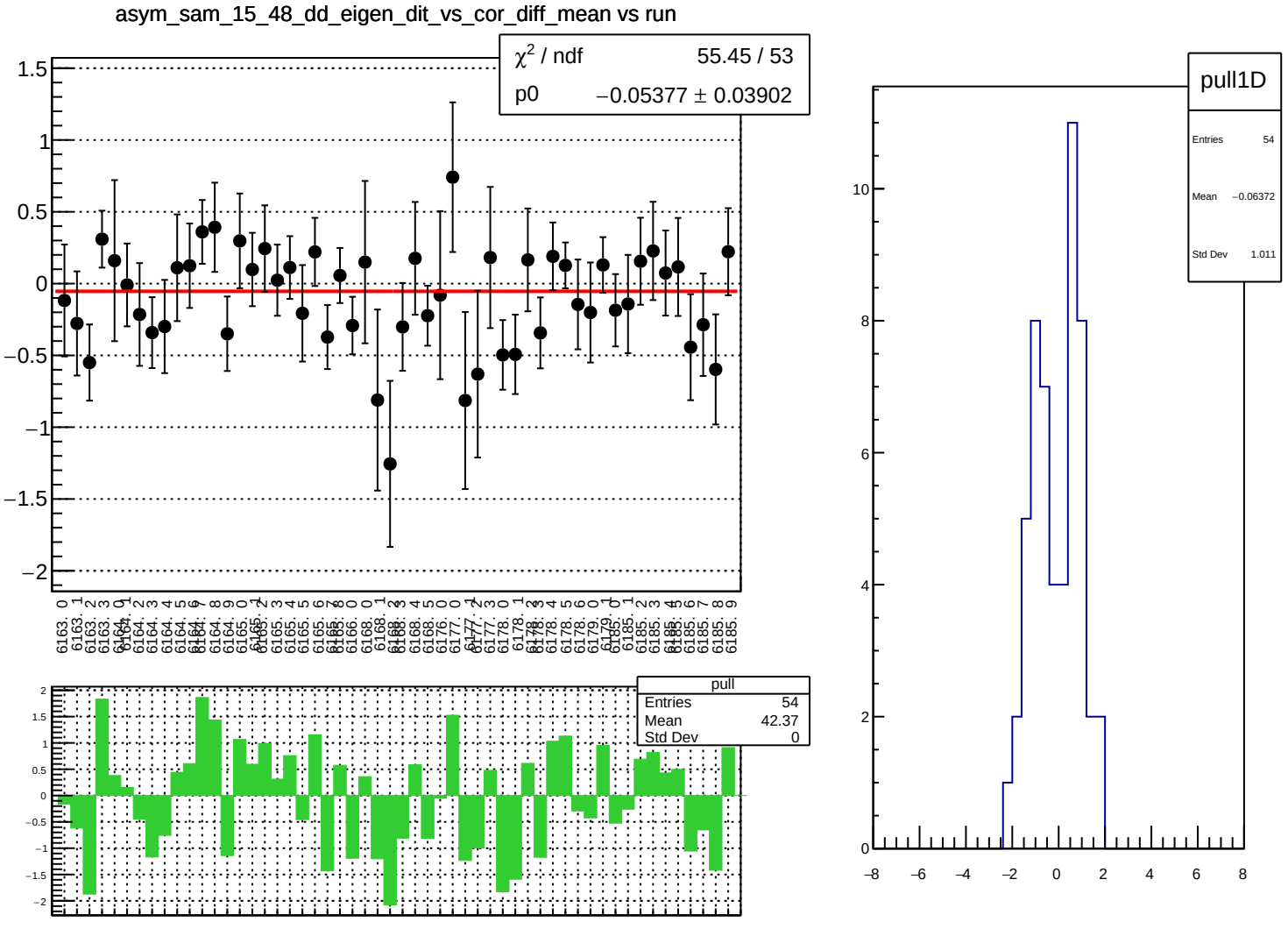

asym_sam_15_48_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 55.45 / 53
p0 −0.05377 ± 0.03902
pull
Entries 54
Mean 42.36
Std Dev 0
pull1D
Entries 54
Mean −0.06373
Std Dev 1.011

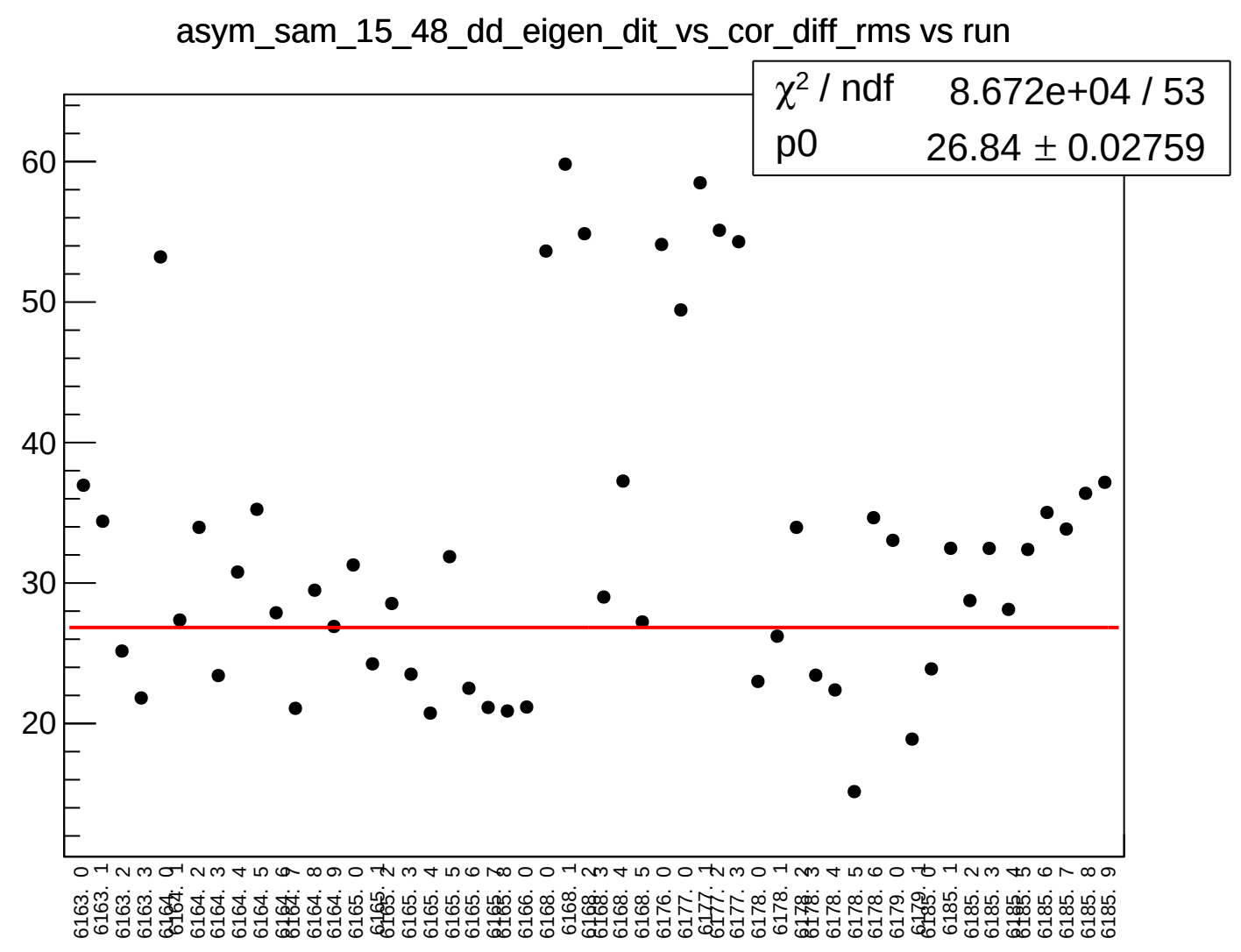

asym_sam_15_48_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.672e+04 / 53
p0 26.84 ± 0.02759
60
50
40
30
20
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6168. 0
6168. 1
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

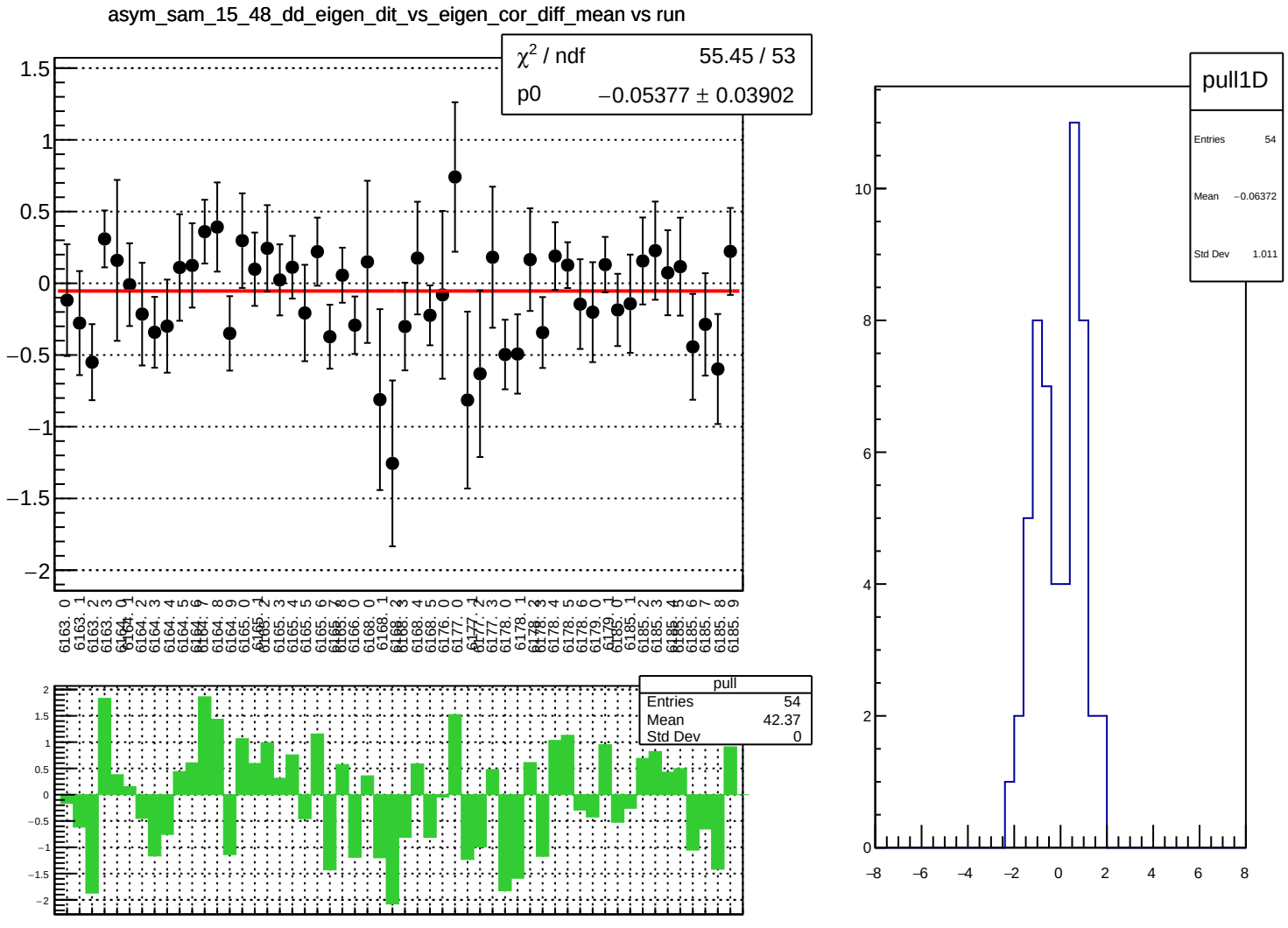

asym_sam_15_48_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 52.41 / 53
p0 4.973e−06 ± 4.676e−06
pull
Entries 54
Mean 3.715
Std Dev 18.98

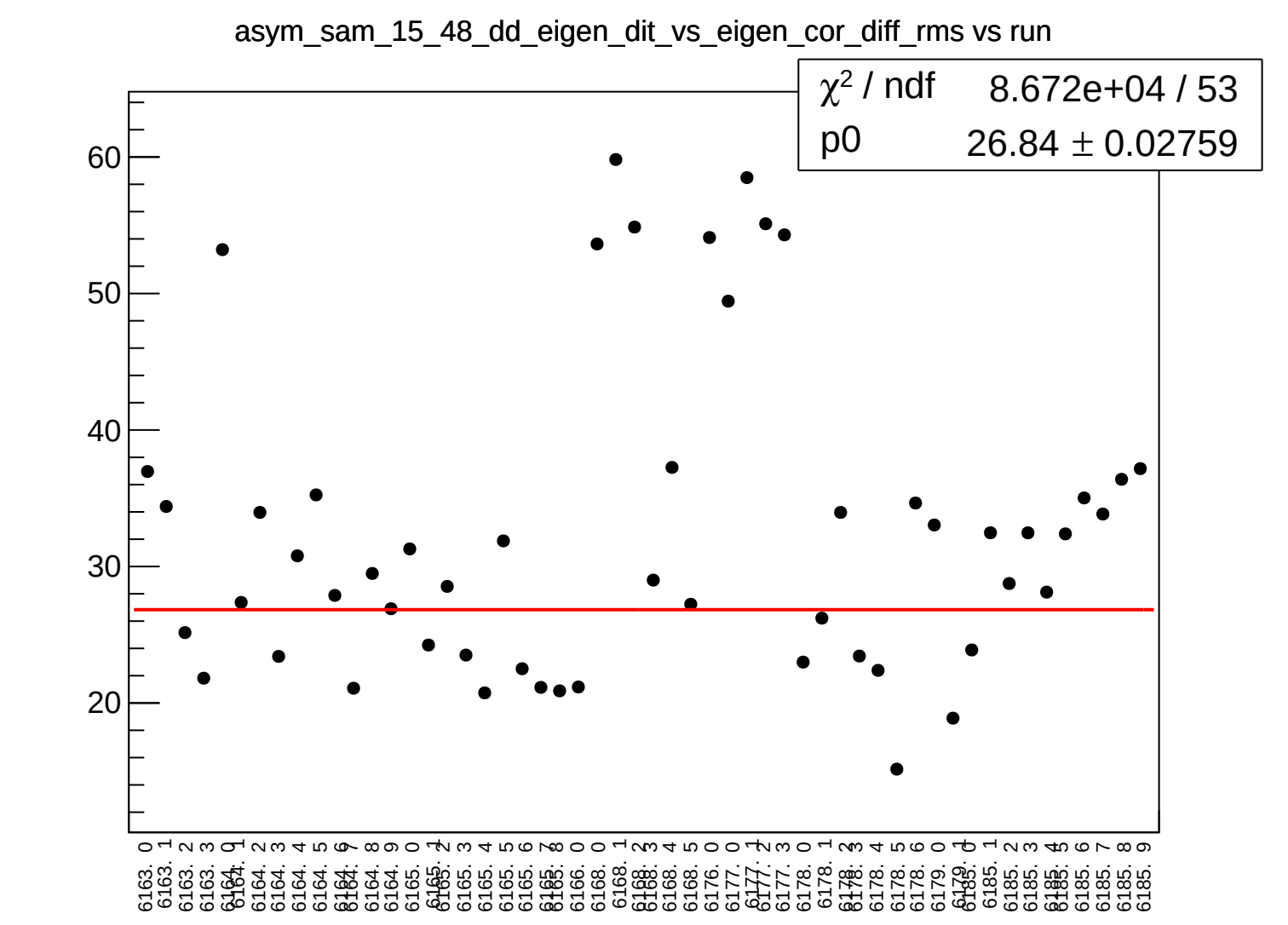

pull1D
Entries 54
Mean 0.0446
Std Dev 0.9842

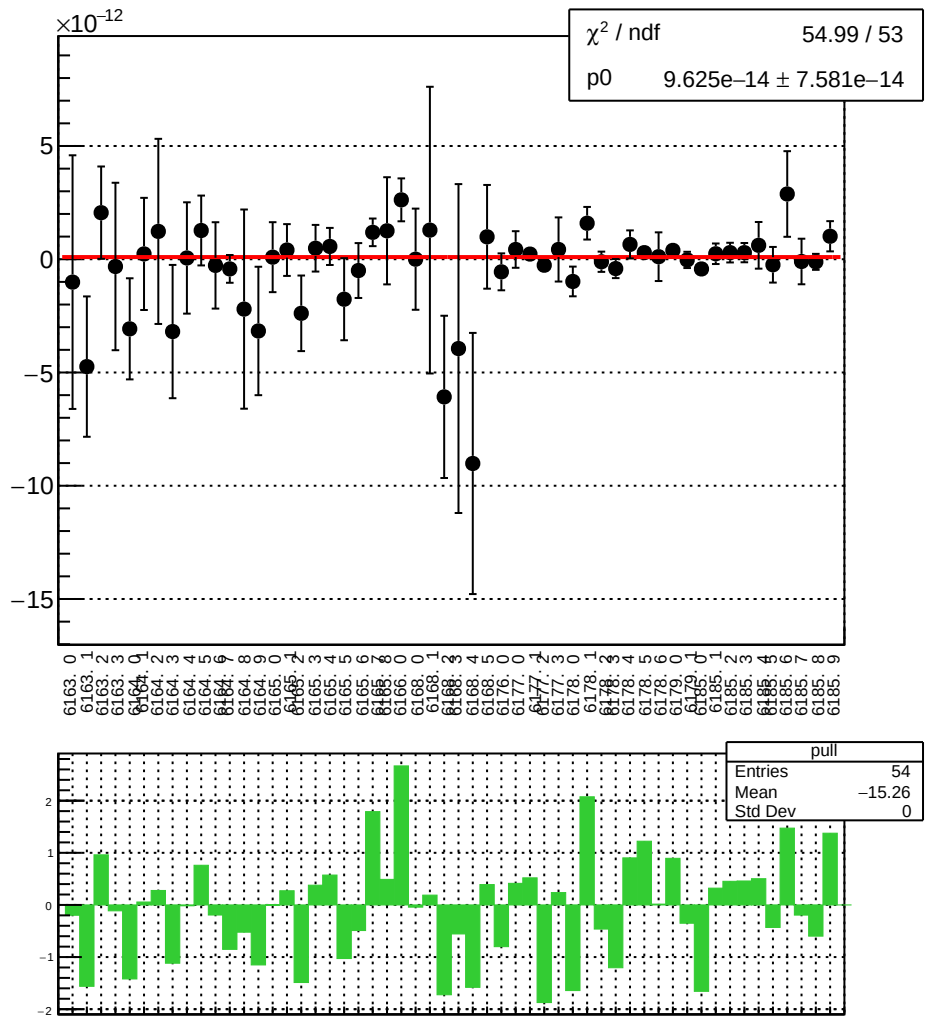

asym_sam_15_48_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 7.273e+04 / 53
p0 0.00324 ± 3.306e−06
0.0055
0.005
0.0045
0.004
0.0035
0.003
0.0025
0.002
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

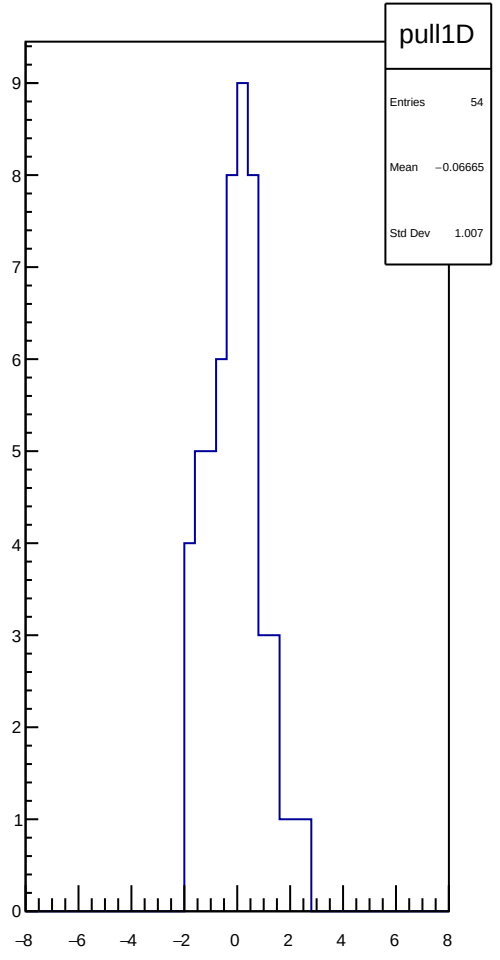

asym_sam_15_48_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 55.45 / 53
p0 −0.05377 ± 0.03902
pull
Entries 54
Mean 42.37
Std Dev 0
pull1D
Entries 54
Mean −0.06372
Std Dev 1.011

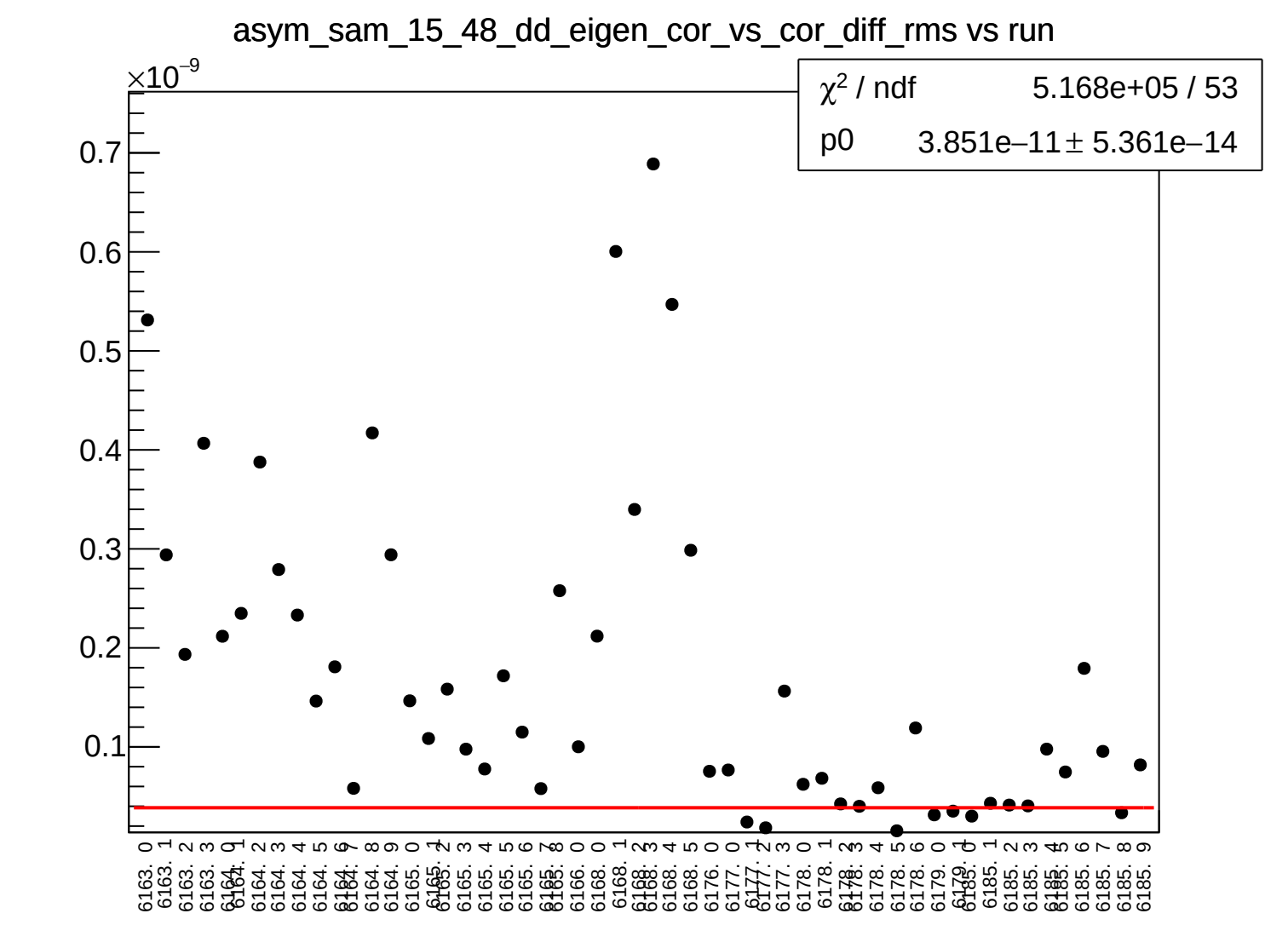

asym_sam_15_48_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 8.672e+04 / 53
p0 26.84 ± 0.02759
60
50
40
30
20
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

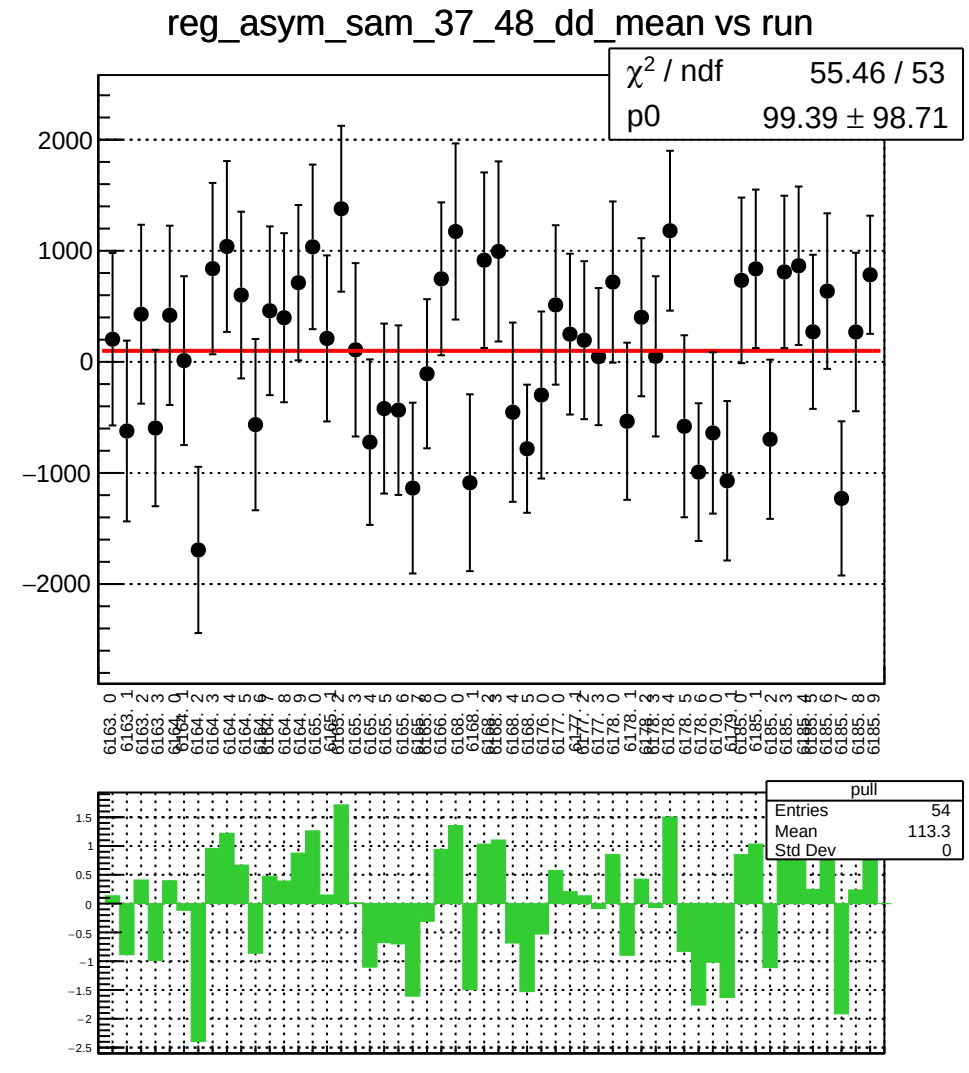

asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 55.45 / 53
p0 −0.05377 ± 0.03902
pull
Entries 54
Mean 42.37
Std Dev 0
pull1D
Entries 54
Mean −0.06372
Std Dev 1.011

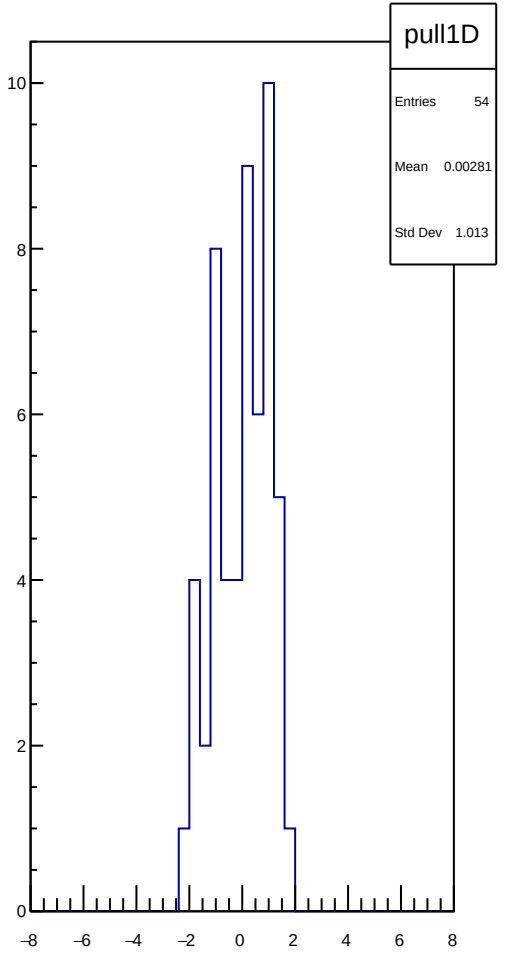

asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.672e+04 / 53
p0 26.84 ± 0.02759
60
50
40
30
20
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

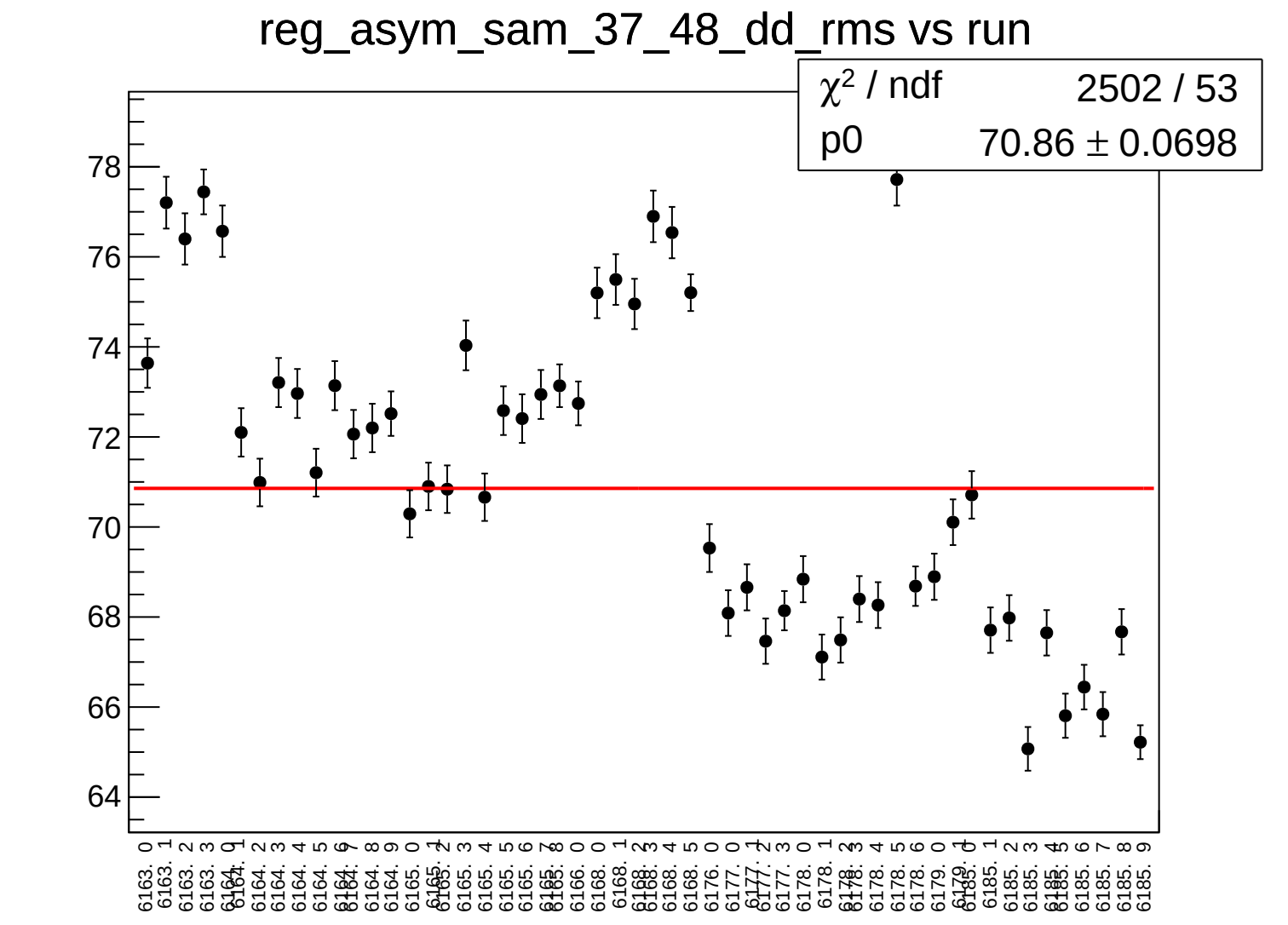

asym_sam_15_48_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 54.99 / 53
p0 9.625e−14 ± 7.581e−14
pull
Entries 54
Mean −15.26
Std Dev 0

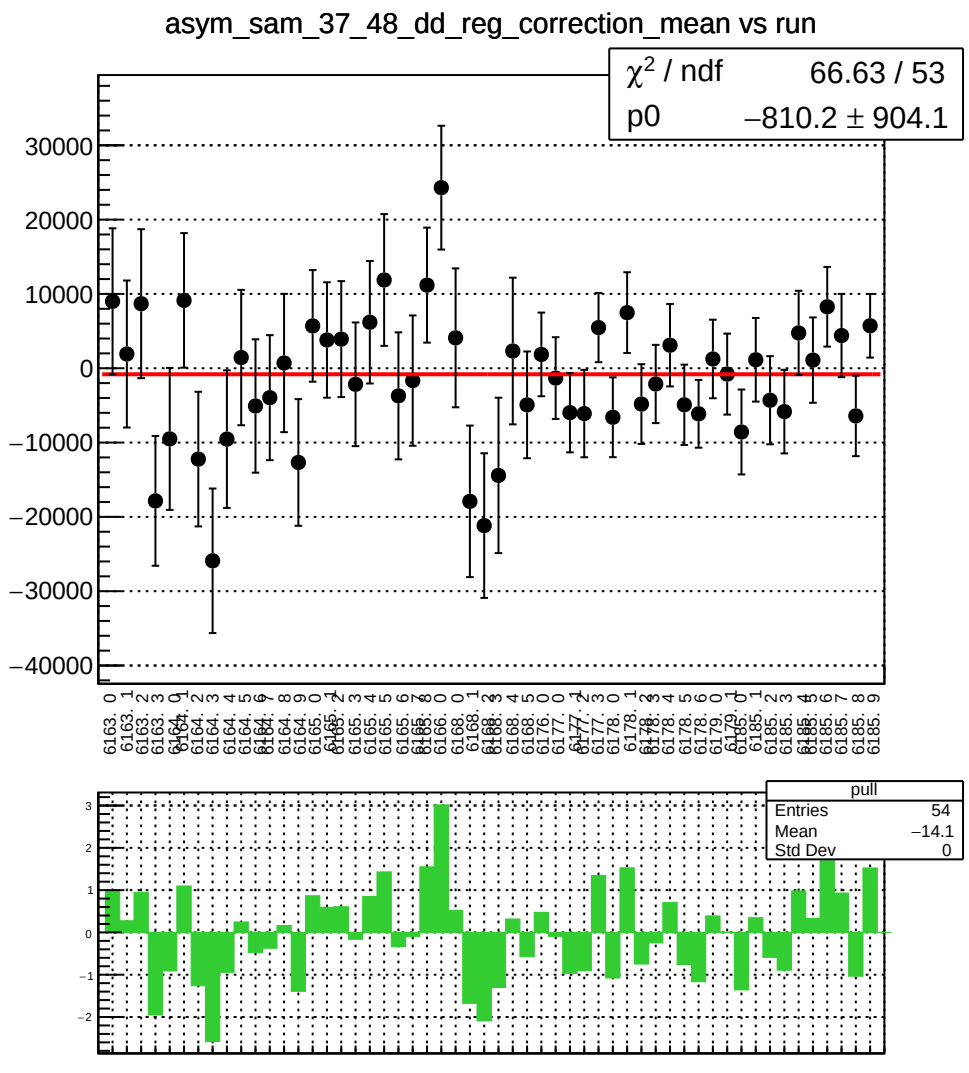

pull1D
Entries 54
Mean −0.06665
Std Dev 1.007

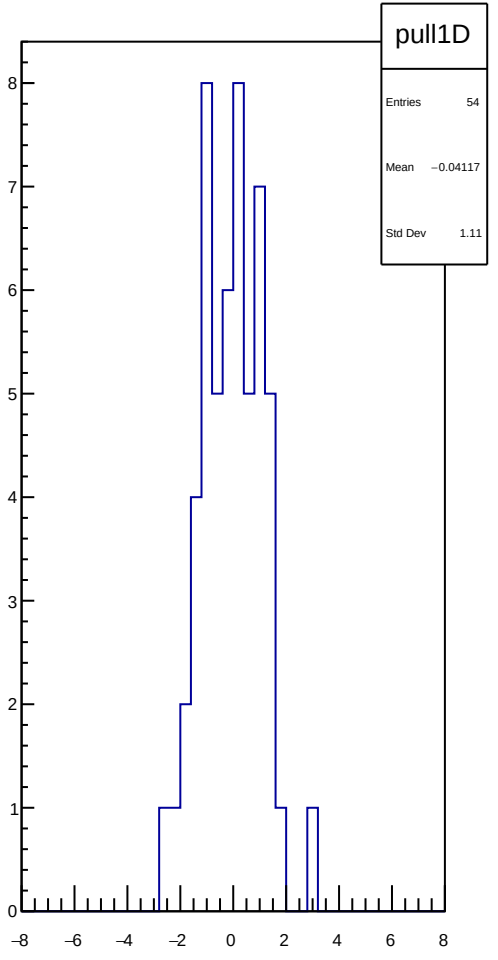

asym_sam_15_48_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.168e+05 / 53
p0 3.851e−11 ± 5.361e−14
0.7
0.6
0.5
0.4
0.3
0.2
0.1
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

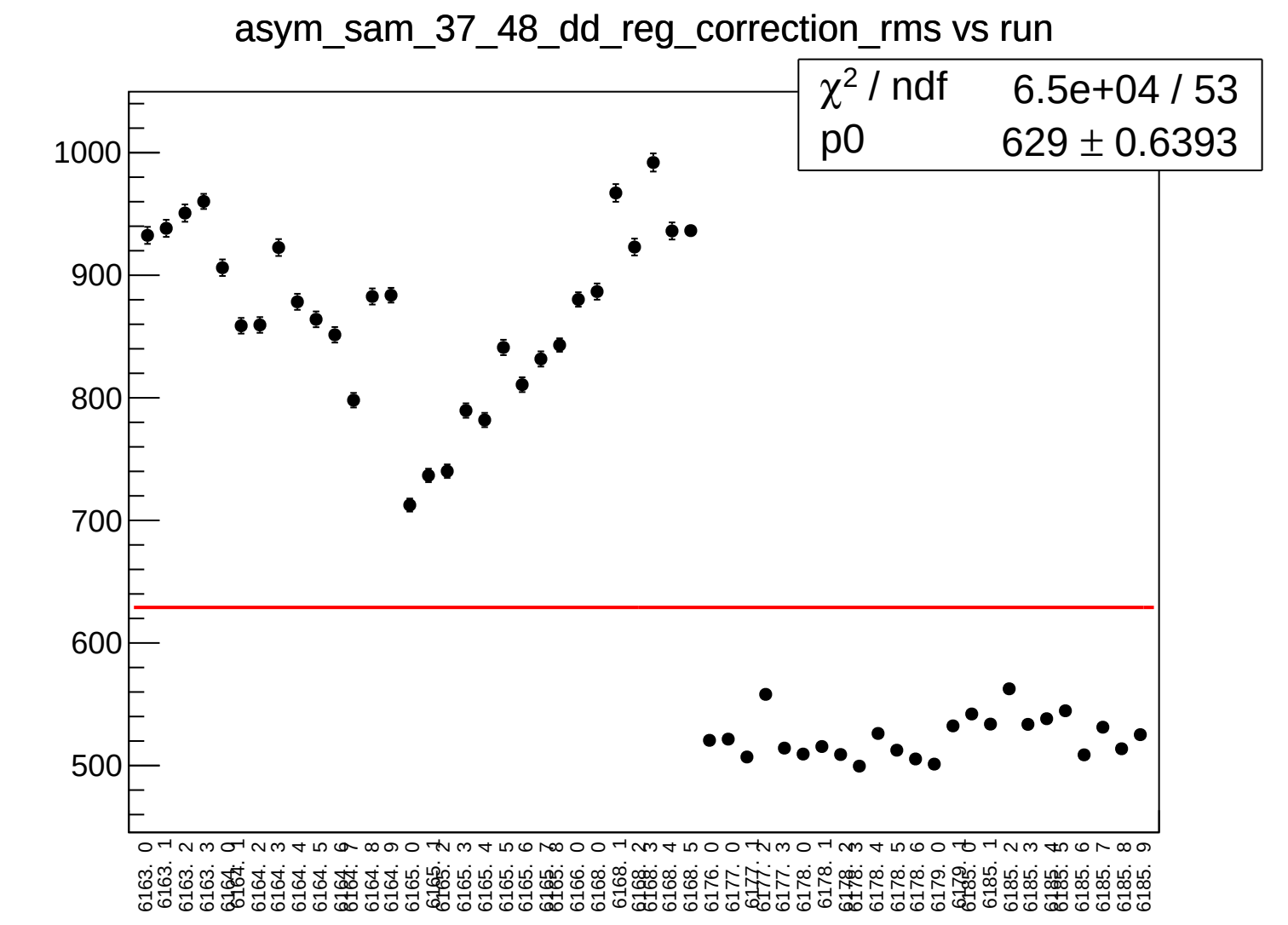

reg_asym_sam_37_48_dd_mean vs run
χ² / ndf 55.46 / 53
p0 99.39 ± 98.71
2000
1000
0
−1000
−2000
pull
Entries 54
Mean 113.3
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

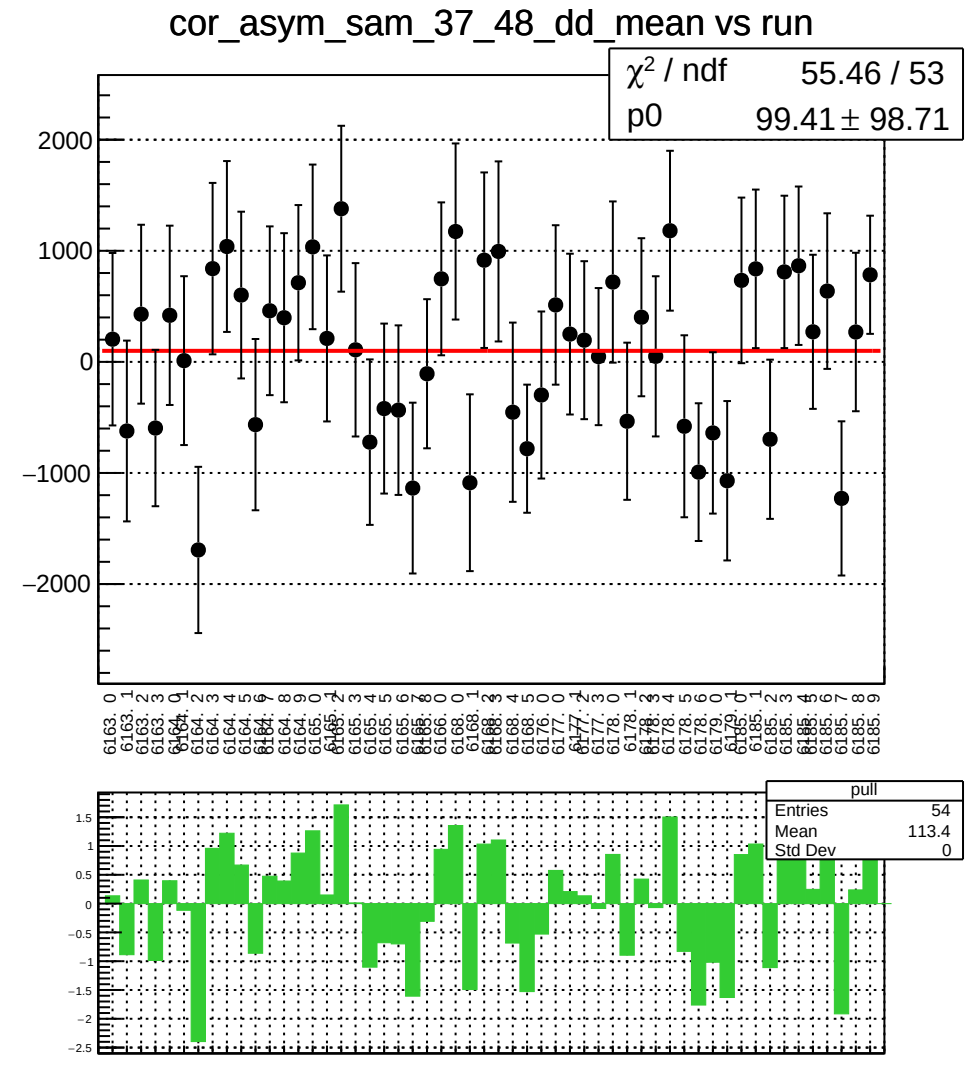

pull1D
Entries 54
Mean 0.00281
Std Dev 1.013
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

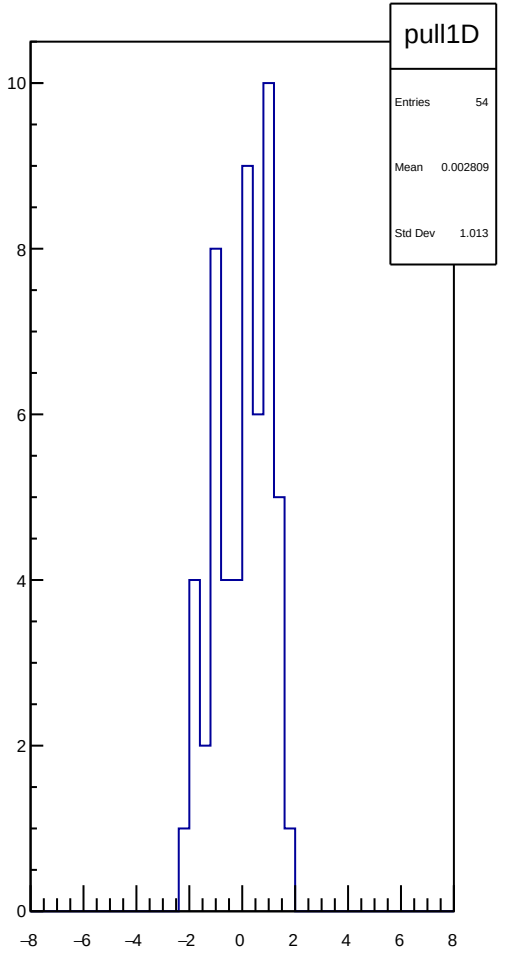

reg_asym_sam_37_48_dd_rms vs run
χ² / ndf 2502 / 53
p0 70.86 ± 0.0698
78
76
74
72
70
68
66
64
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

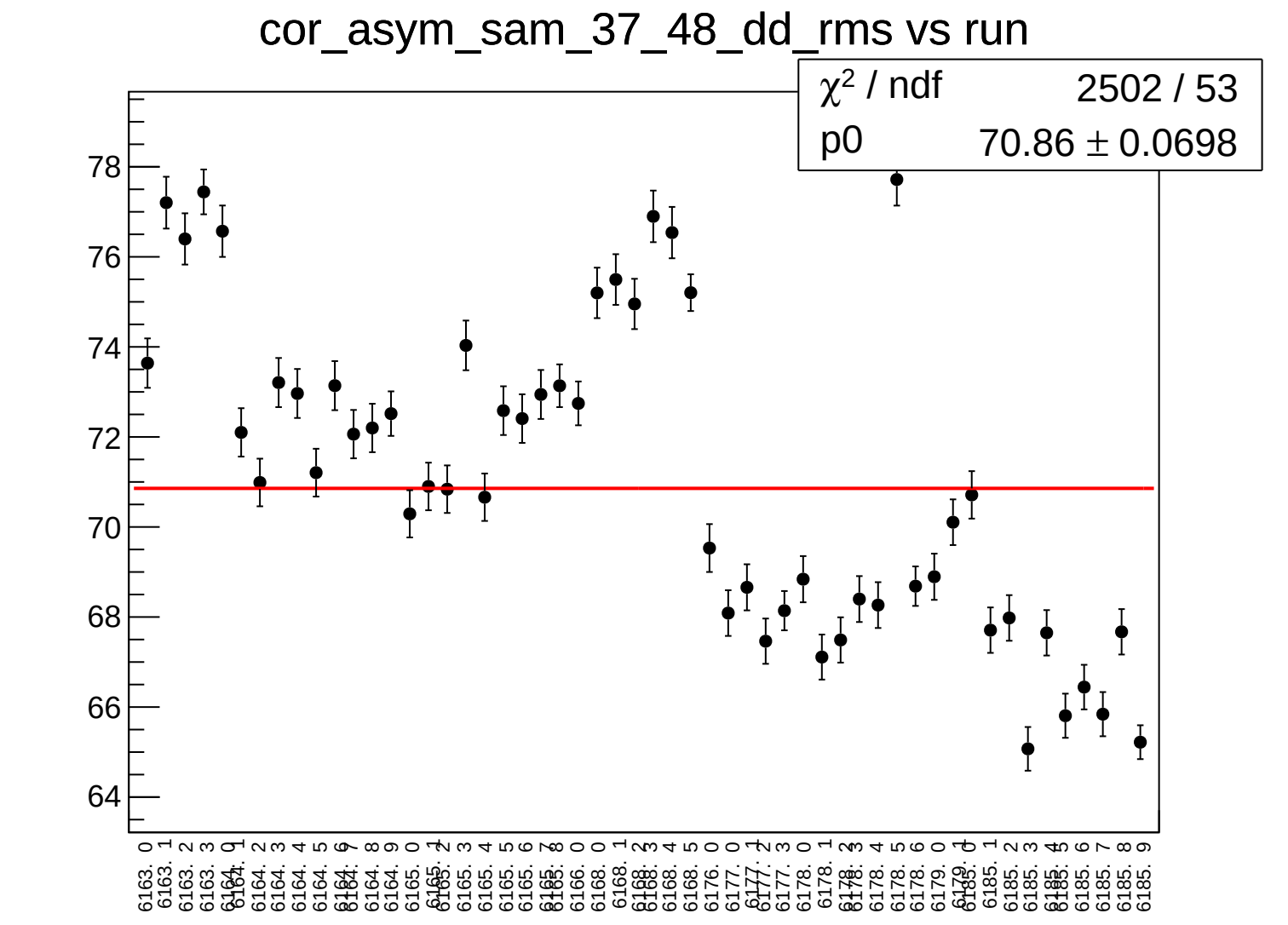

asym_sam_37_48_dd_reg_correction_mean vs run
χ² / ndf 66.63 / 53
p0 −810.2 ± 904.1
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 54
Mean −14.1
Std Dev 0

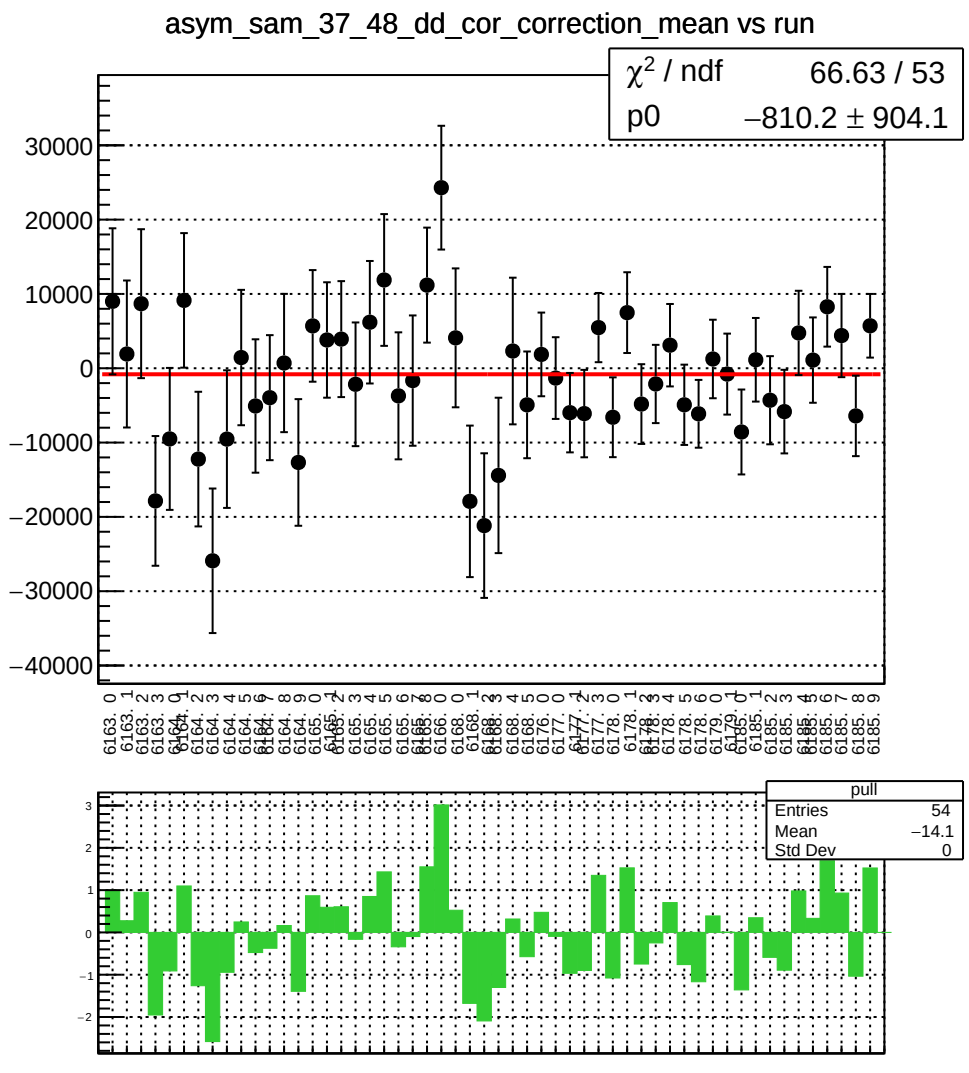

pull1D
Entries 54
Mean −0.04117
Std Dev 1.11

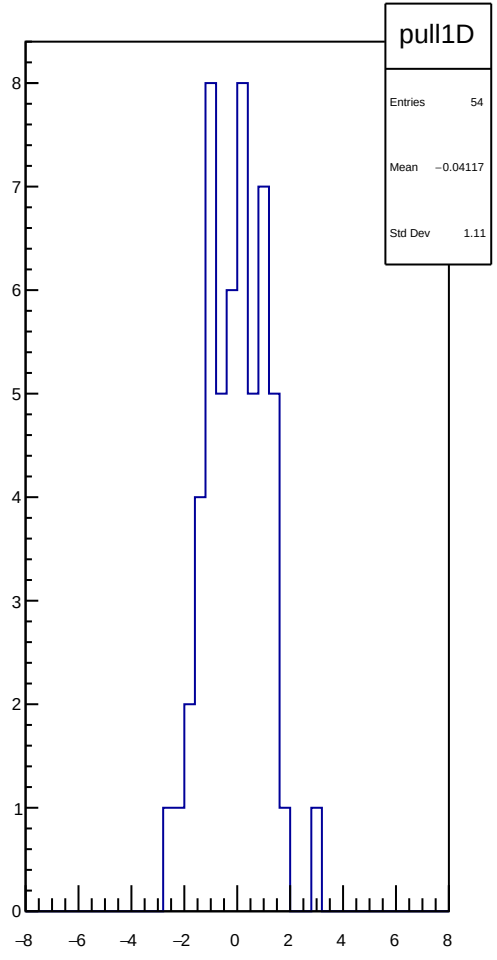

asym_sam_37_48_dd_reg_correction_rms vs run
χ² / ndf 6.5e+04 / 53
p0 629 ± 0.6393
1000
900
800
700
600
500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

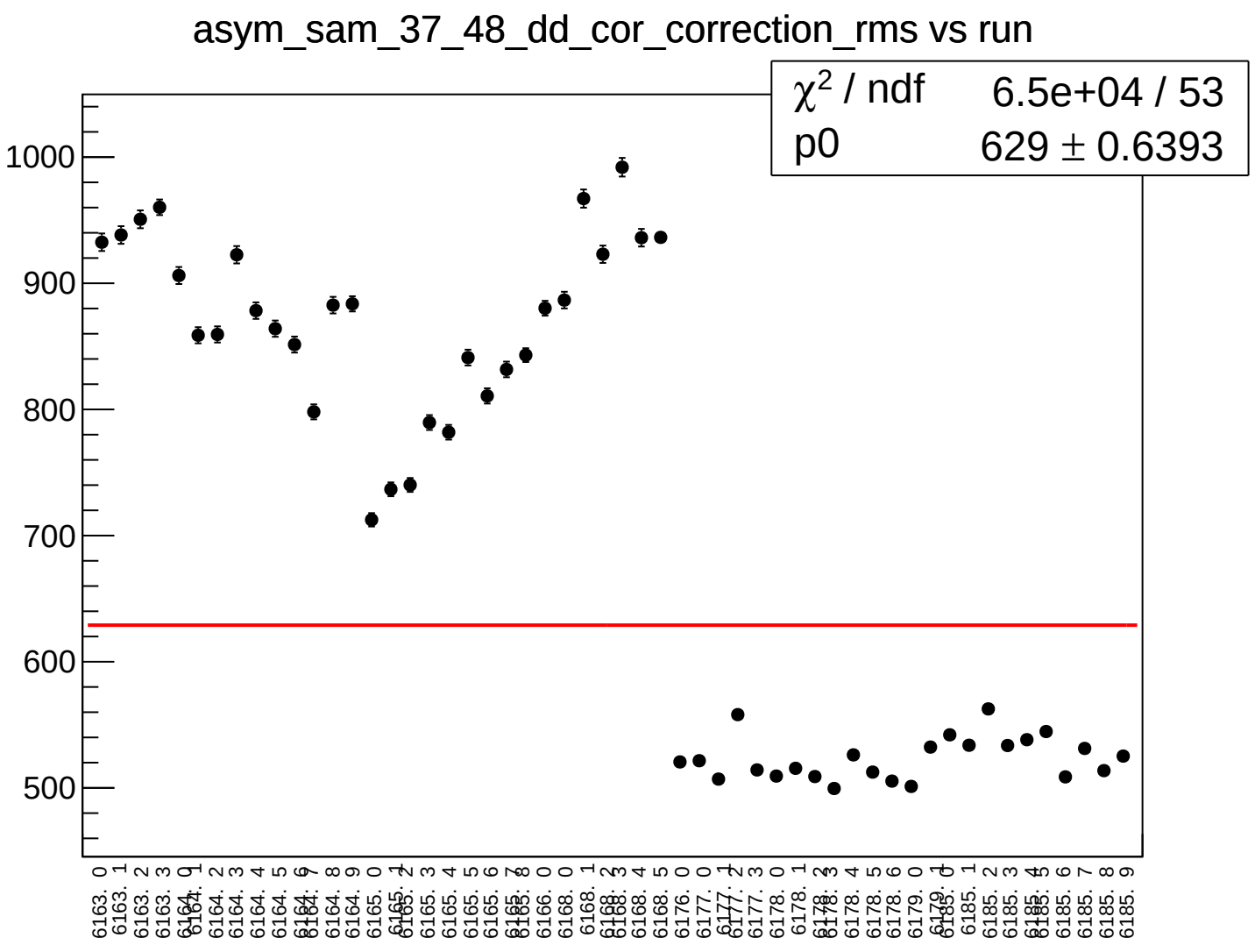

cor_asym_sam_37_48_dd_mean vs run
χ² / ndf 55.46 / 53
p0 99.41 ± 98.71
2000
1000
0
−1000
−2000
pull
Entries 54
Mean 113.4
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

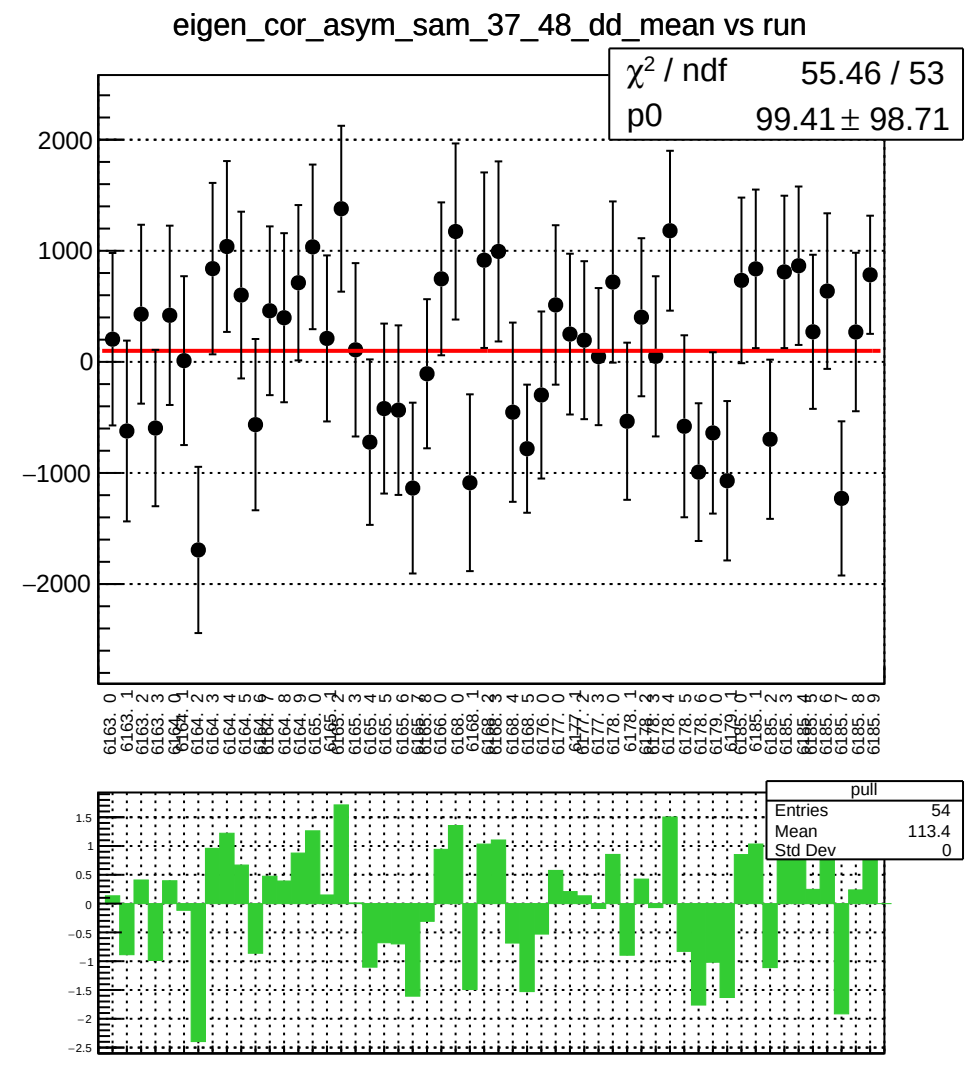

pull1D
Entries 54
Mean 0.002809
Std Dev 1.013
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

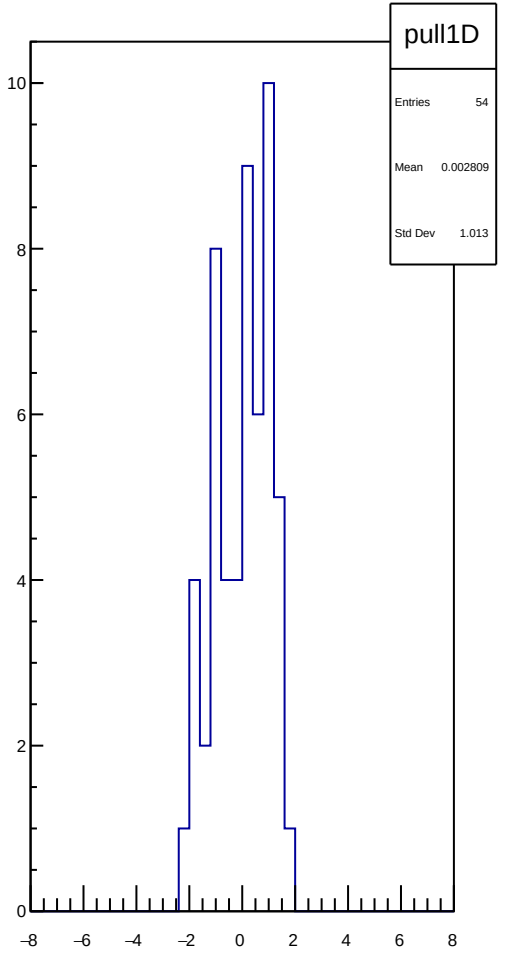

cor_asym_sam_37_48_dd_rms vs run
χ² / ndf 2502 / 53
p0 70.86 ± 0.0698
78
76
74
72
70
68
66
64
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

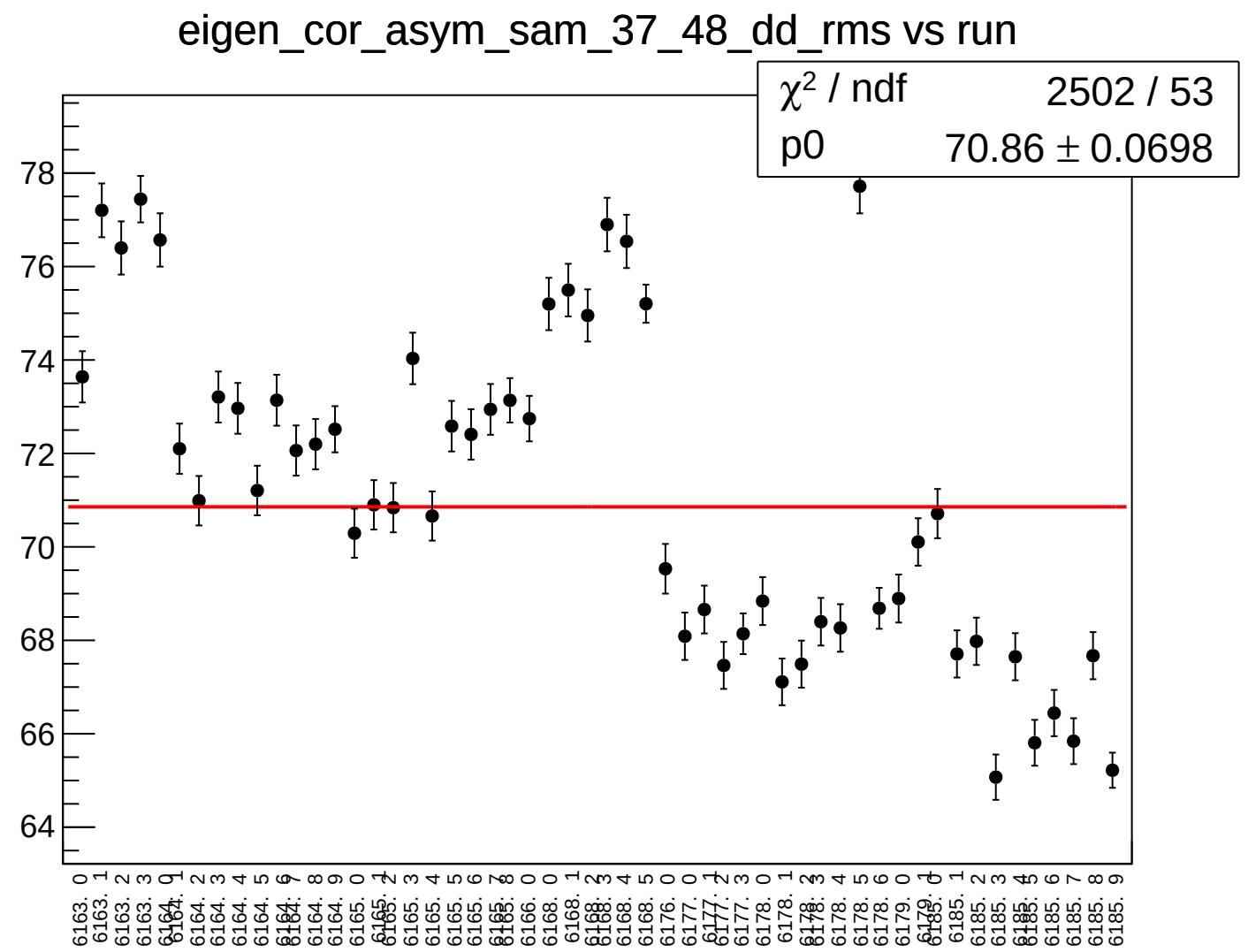

asym_sam_37_48_dd_cor_correction_mean vs run
χ² / ndf 66.63 / 53
p0 −810.2 ± 904.1
pull
Entries 54
Mean −14.1
Std Dev 0

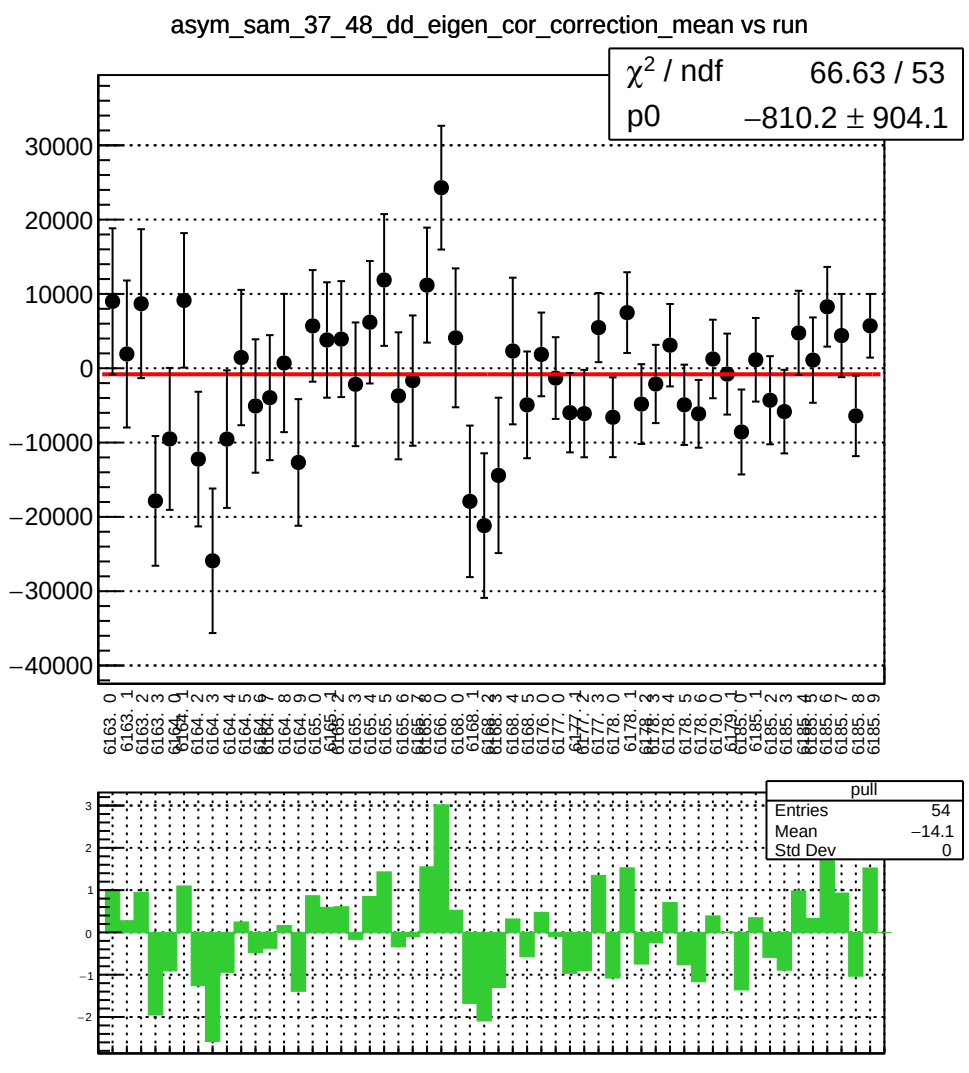

pull1D
Entries 54
Mean −0.04117
Std Dev 1.11

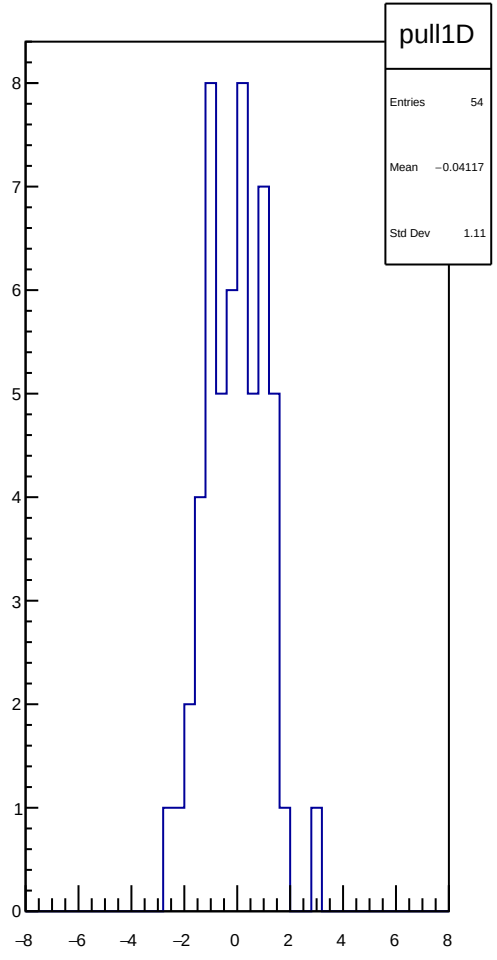

asym_sam_37_48_dd_cor_correction_rms vs run
χ² / ndf 6.5e+04 / 53
p0 629 ± 0.6393
1000
900
800
700
600
500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

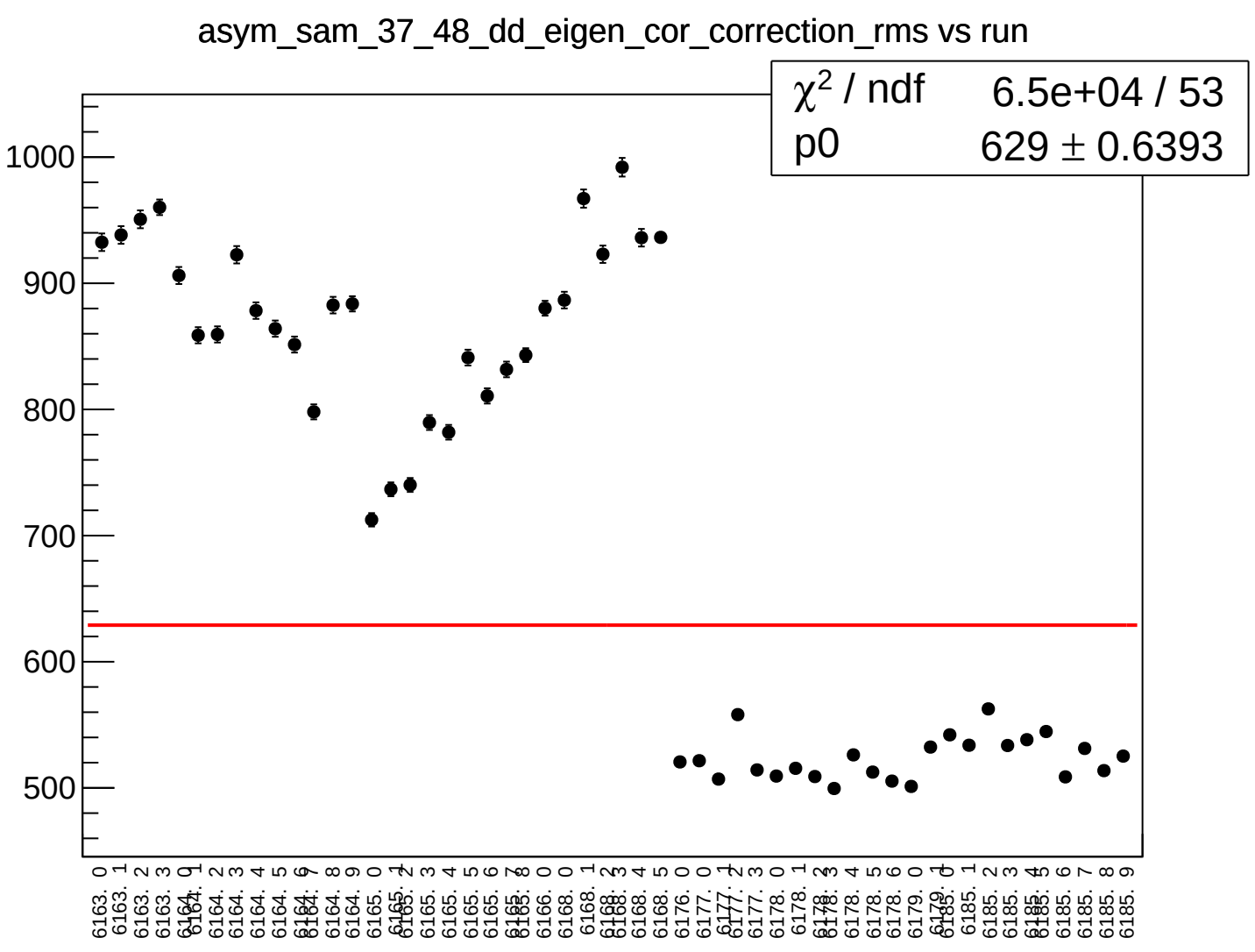

eigen_cor_asym_sam_37_48_dd_mean vs run
χ² / ndf 55.46 / 53
p0 99.41 ± 98.71
2000
1000
0
−1000
−2000
pull
Entries 54
Mean 113.4
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

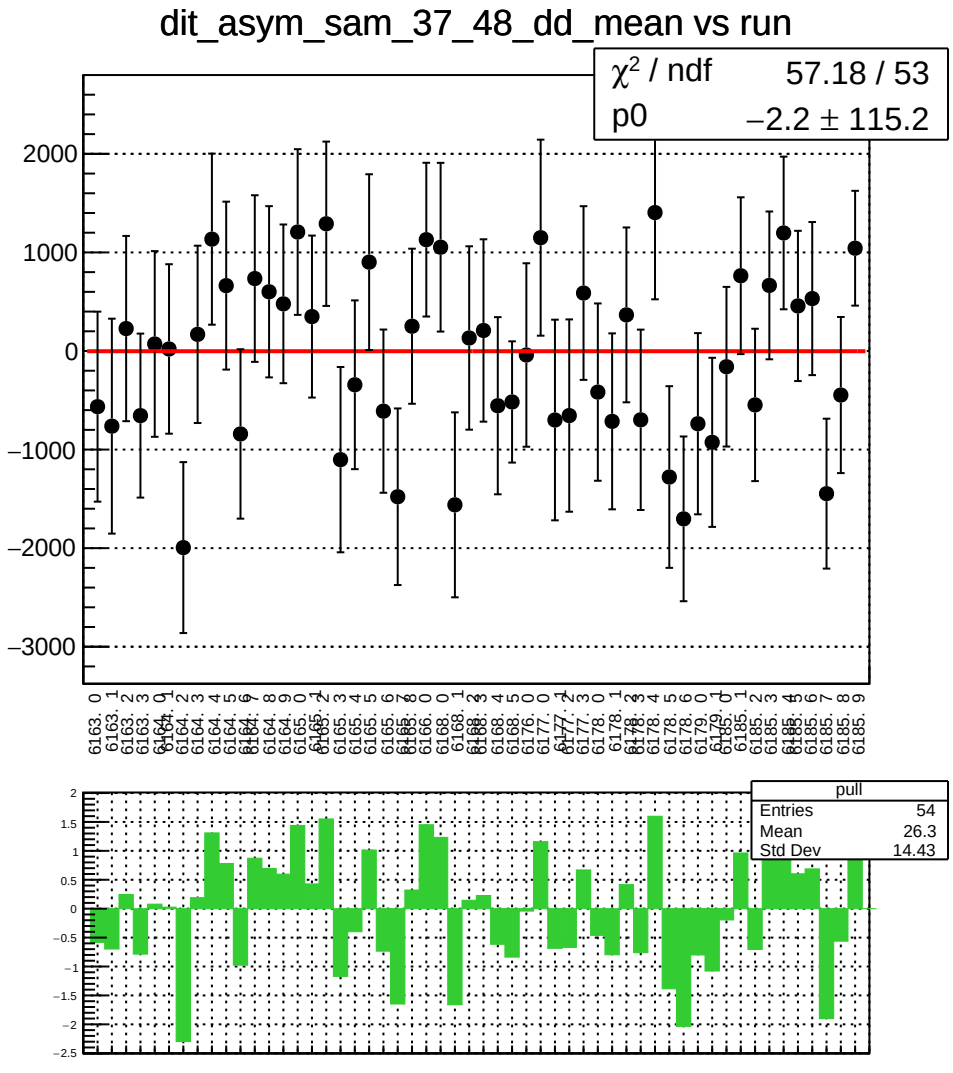

pull1D
Entries 54
Mean 0.002809
Std Dev 1.013
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

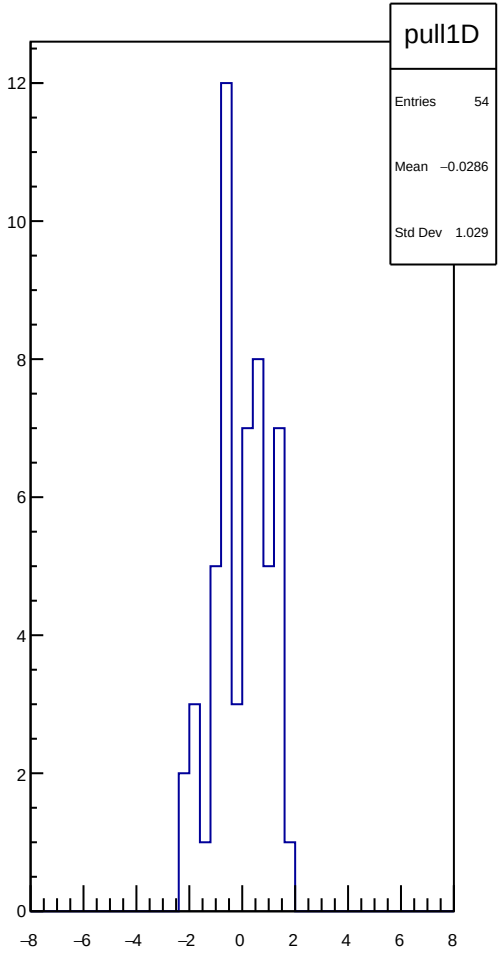

eigen_cor_asym_sam_37_48_dd_rms vs run
χ² / ndf 2502 / 53
p0 70.86 ± 0.0698
78
76
74
72
70
68
66
64
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

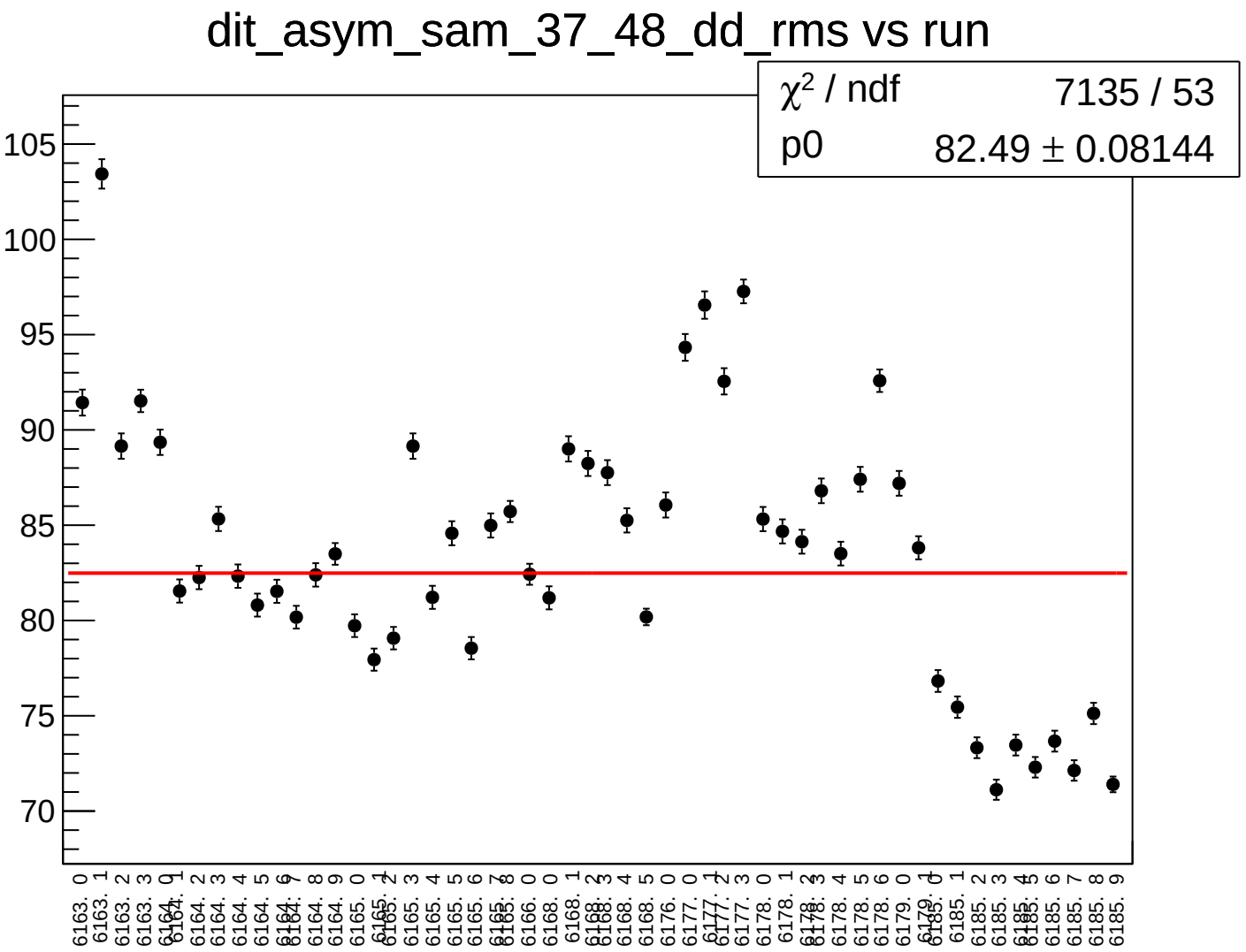

asym_sam_37_48_dd_eigen_cor_correction_mean vs run
χ² / ndf 66.63 / 53
p0 −810.2 ± 904.1
pull
Entries 54
Mean −14.1
Std Dev 0

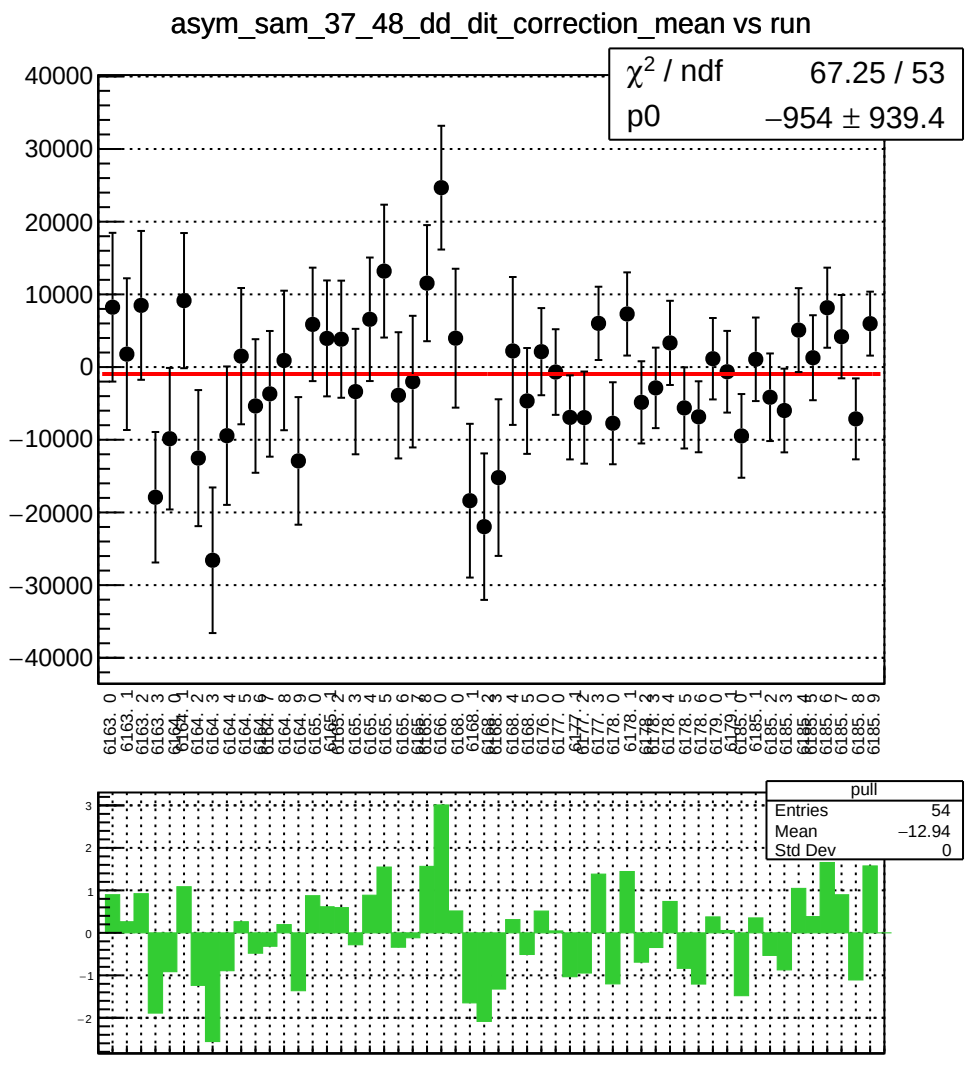

pull1D
Entries 54
Mean −0.04117
Std Dev 1.11

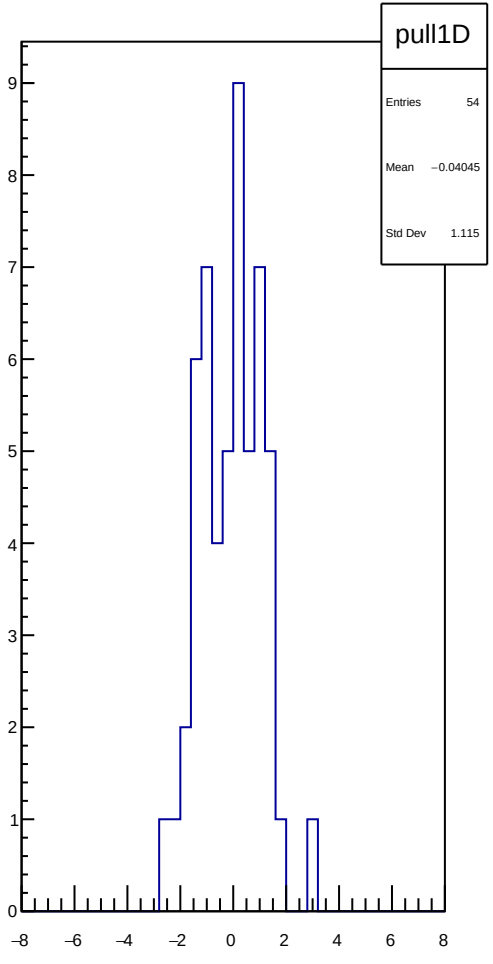

asym_sam_37_48_dd_eigen_cor_correction_rms vs run
χ² / ndf 6.5e+04 / 53
p0 629 ± 0.6393
1000
900
800
700
600
500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

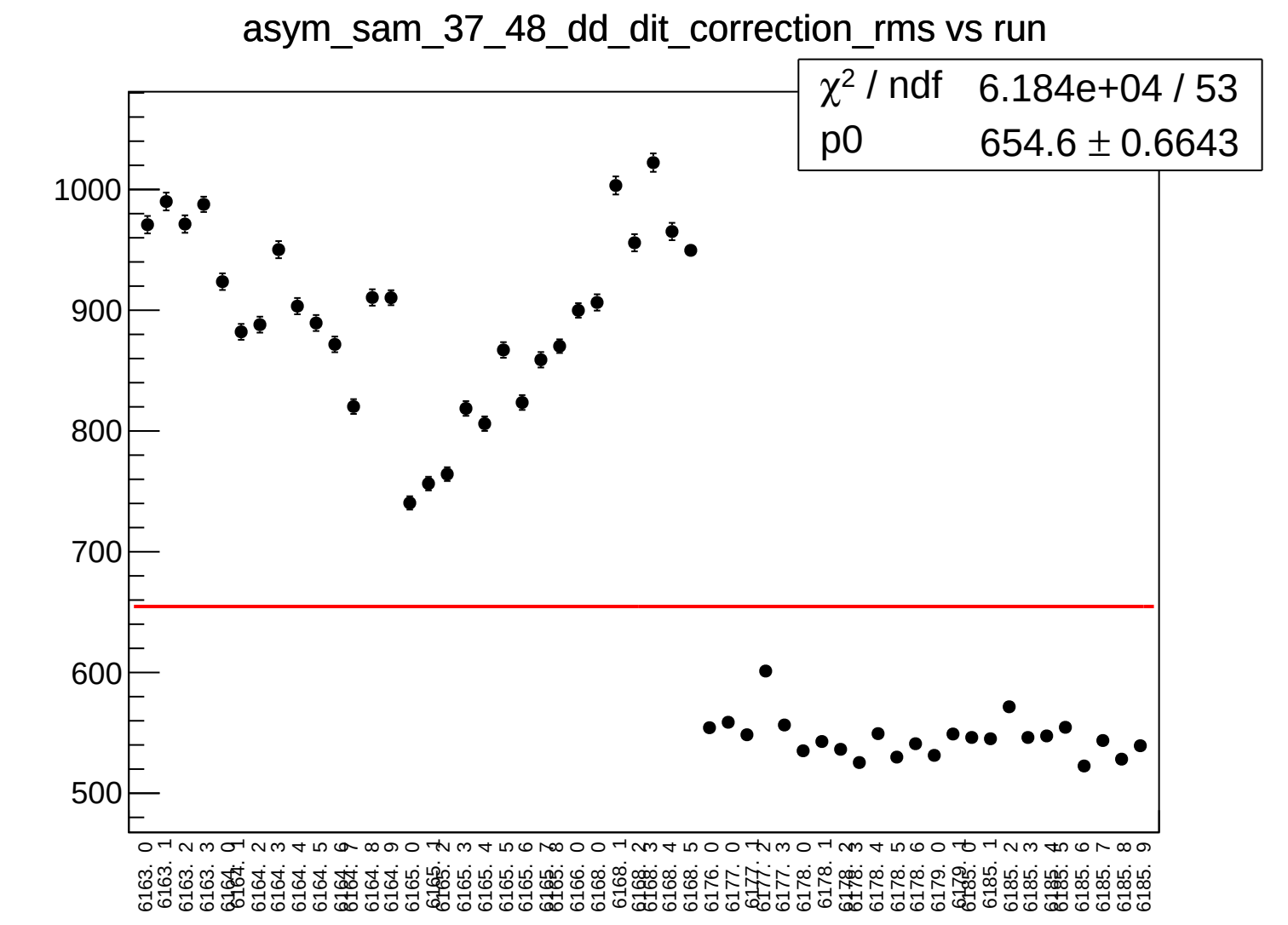

dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 57.18 / 53
p0 −2.2 ± 115.2
pull
Entries 54
Mean 26.3
Std Dev 14.43

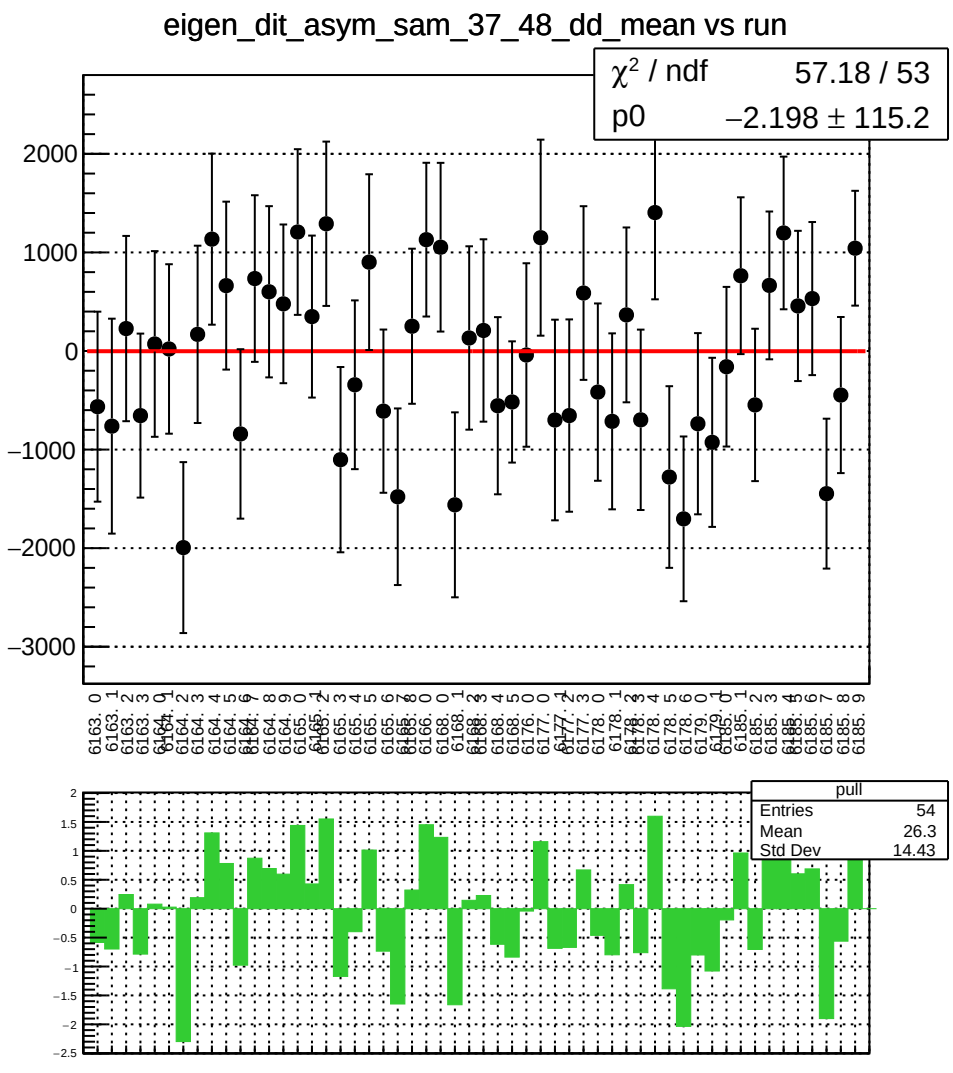

pull1D
Entries 54
Mean −0.0286
Std Dev 1.029

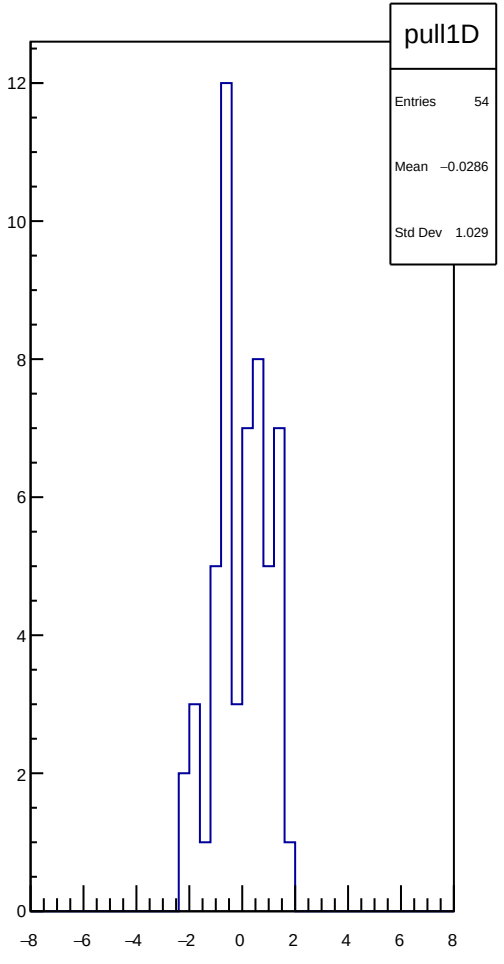

dit_asym_sam_37_48_dd_rms vs run
χ² / ndf 7135 / 53
p0 82.49 ± 0.08144
105
100
95
90
85
80
75
70
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

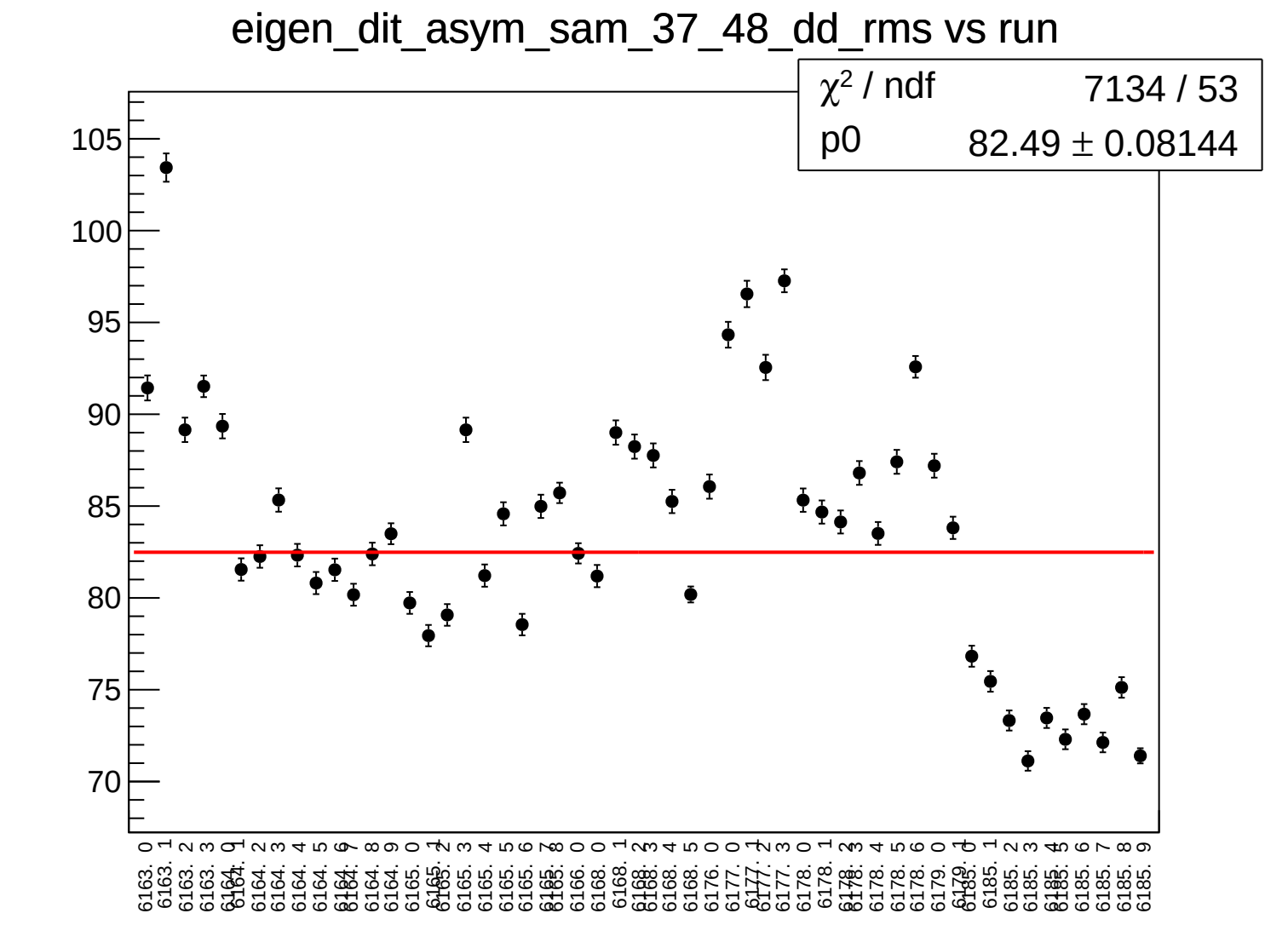

asym_sam_37_48_dd_dit_correction_mean vs run
χ² / ndf 67.25 / 53
p0 −954 ± 939.4
pull
Entries 54
Mean −12.94
Std Dev 0

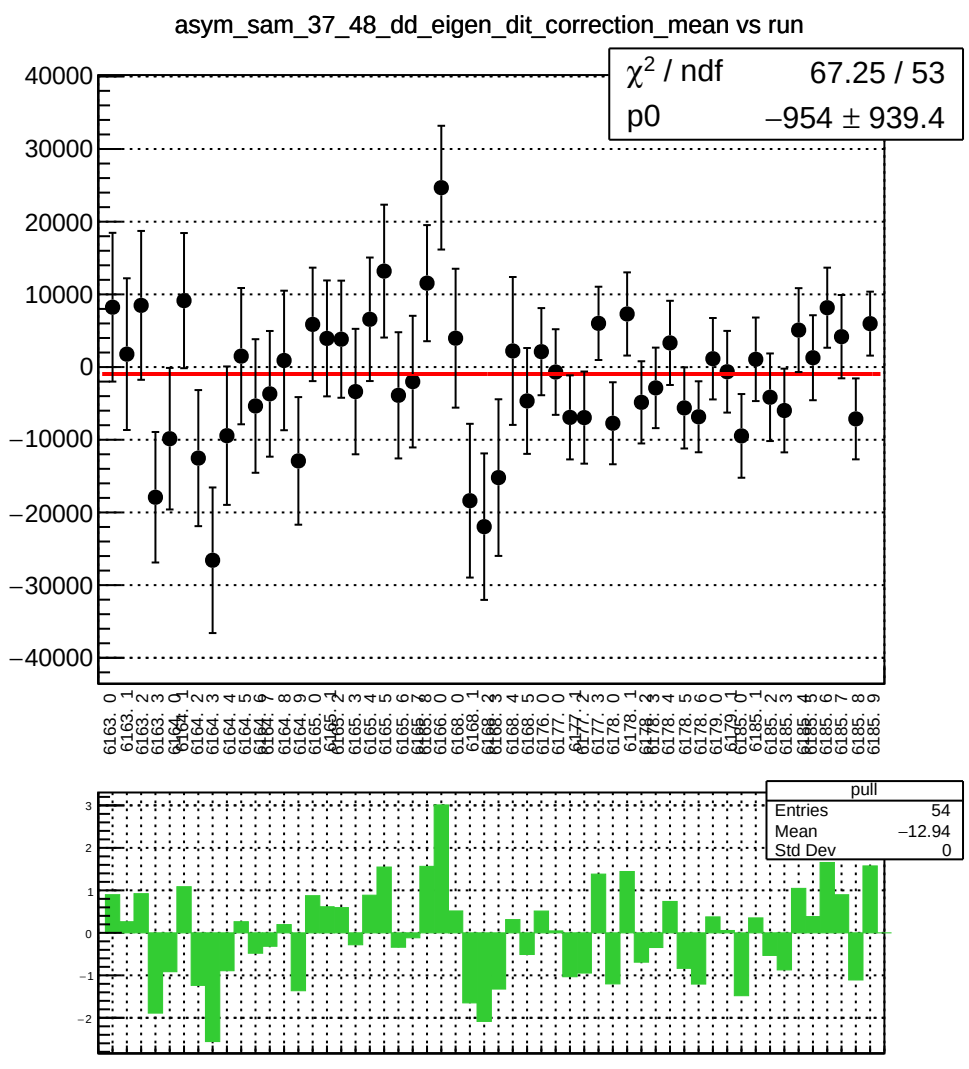

pull1D
Entries 54
Mean −0.04045
Std Dev 1.115

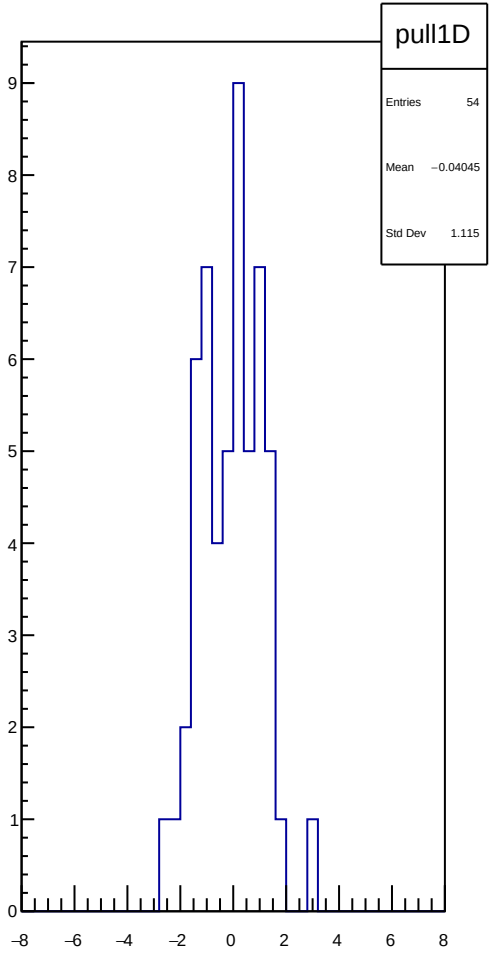

asym_sam_37_48_dd_dit_correction_rms vs run
χ² / ndf 6.184e+04 / 53
p0 654.6 ± 0.6643
1000
900
800
700
600
500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

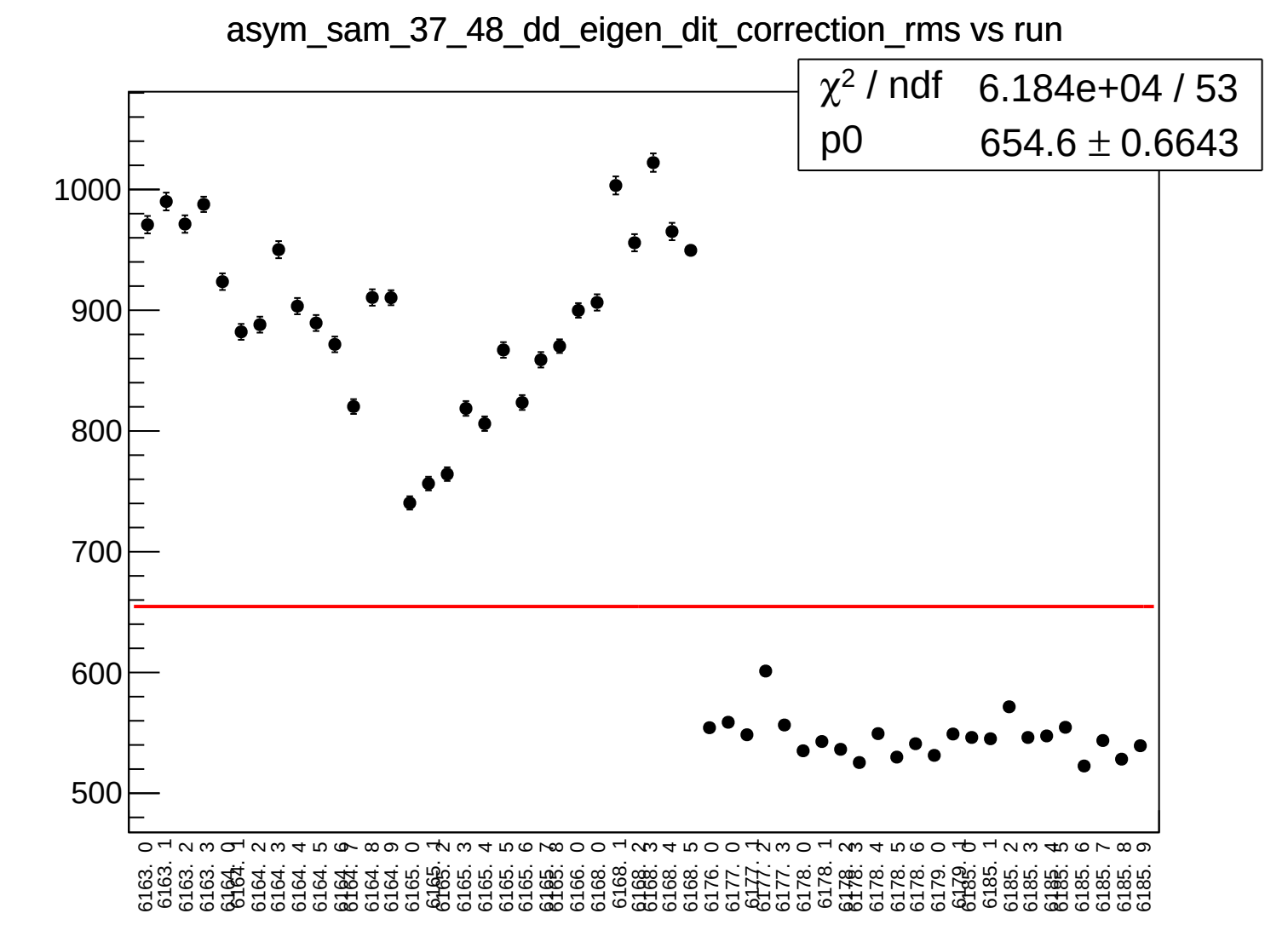

eigen_dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 57.18 / 53
p0 −2.198 ± 115.2
2000
1000
0
−1000
−2000
−3000
pull
Entries 54
Mean 26.3
Std Dev 14.43
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

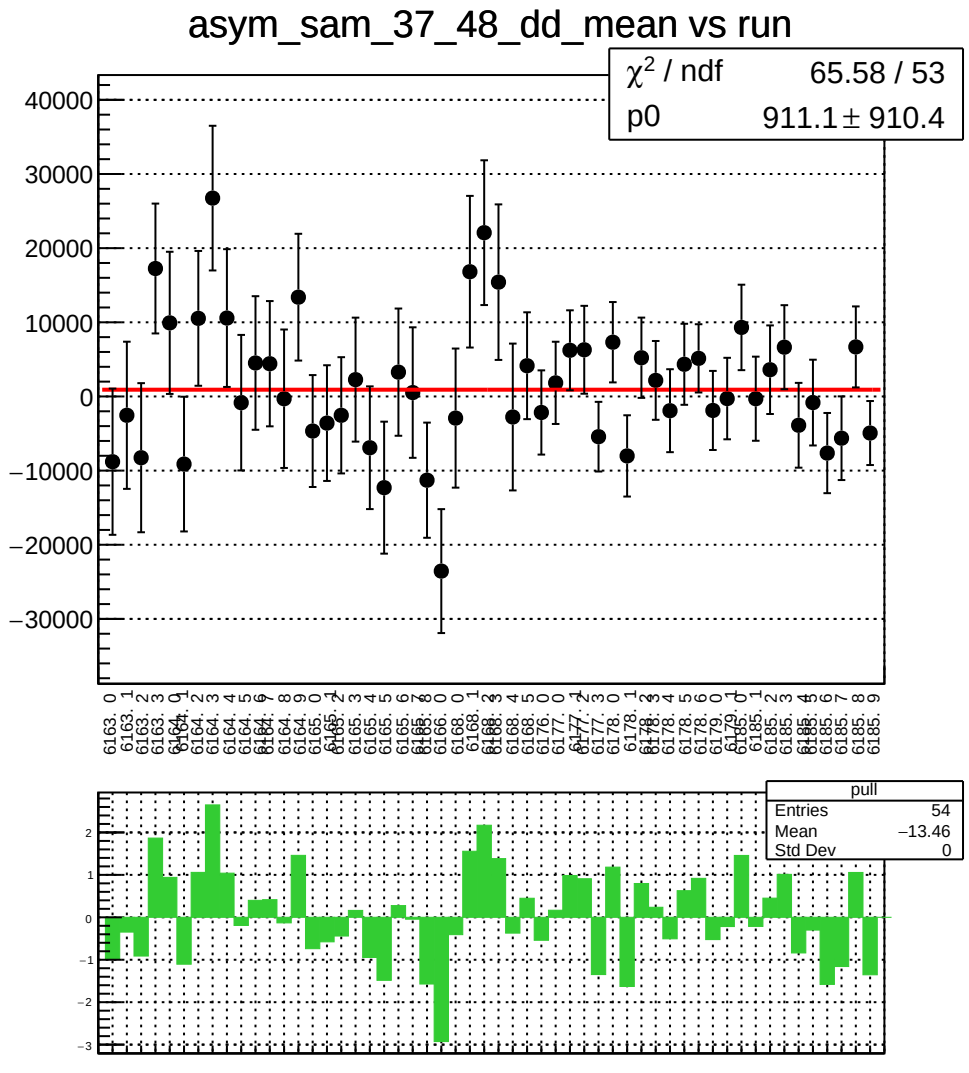

pull1D
Entries 54
Mean −0.0286
Std Dev 1.029
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

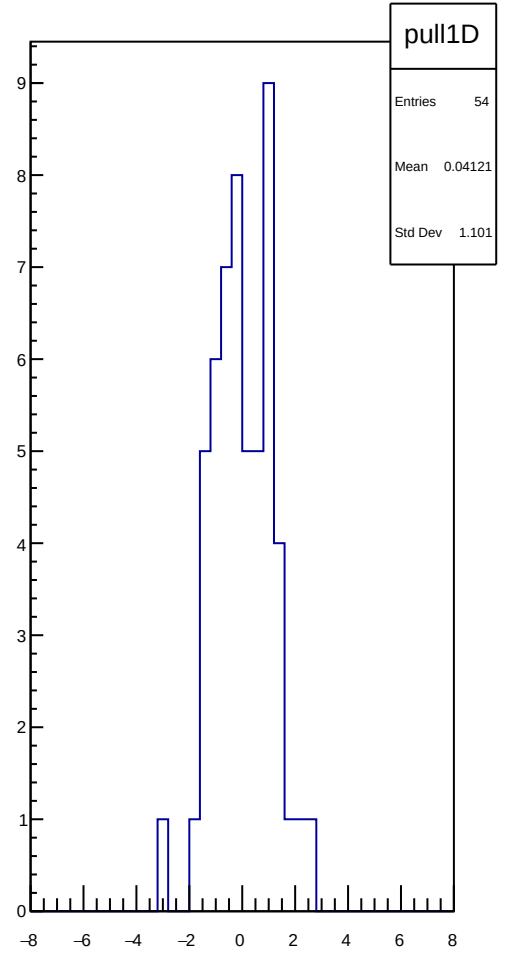

eigen_dit_asym_sam_37_48_dd_rms vs run
χ² / ndf 7134 / 53
p0 82.49 ± 0.08144
105
100
95
90
85
80
75
70
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

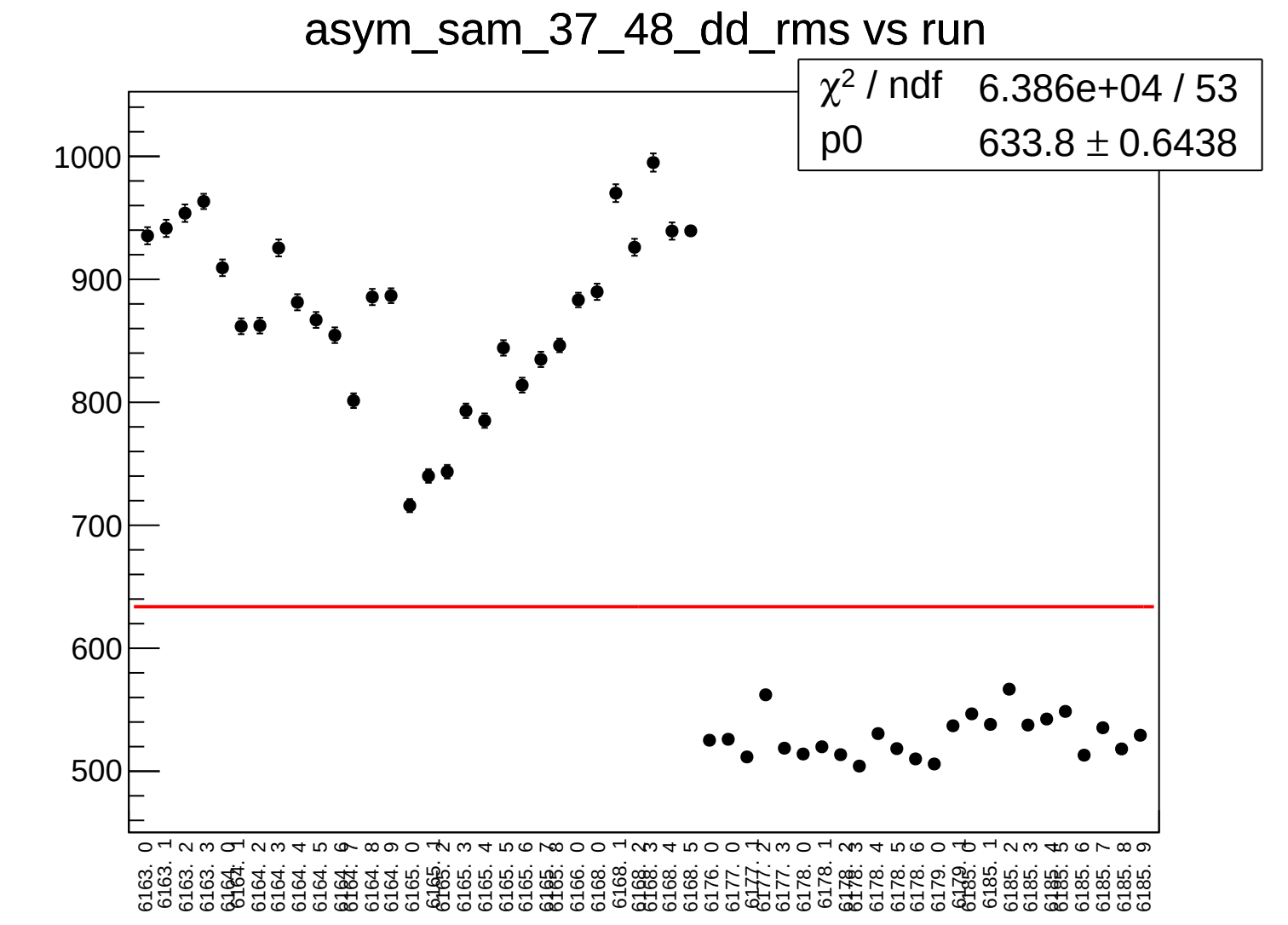

asym_sam_37_48_dd_eigen_dit_correction_mean vs run
χ² / ndf 67.25 / 53
p0 −954 ± 939.4
pull
Entries 54
Mean −12.94
Std Dev 0

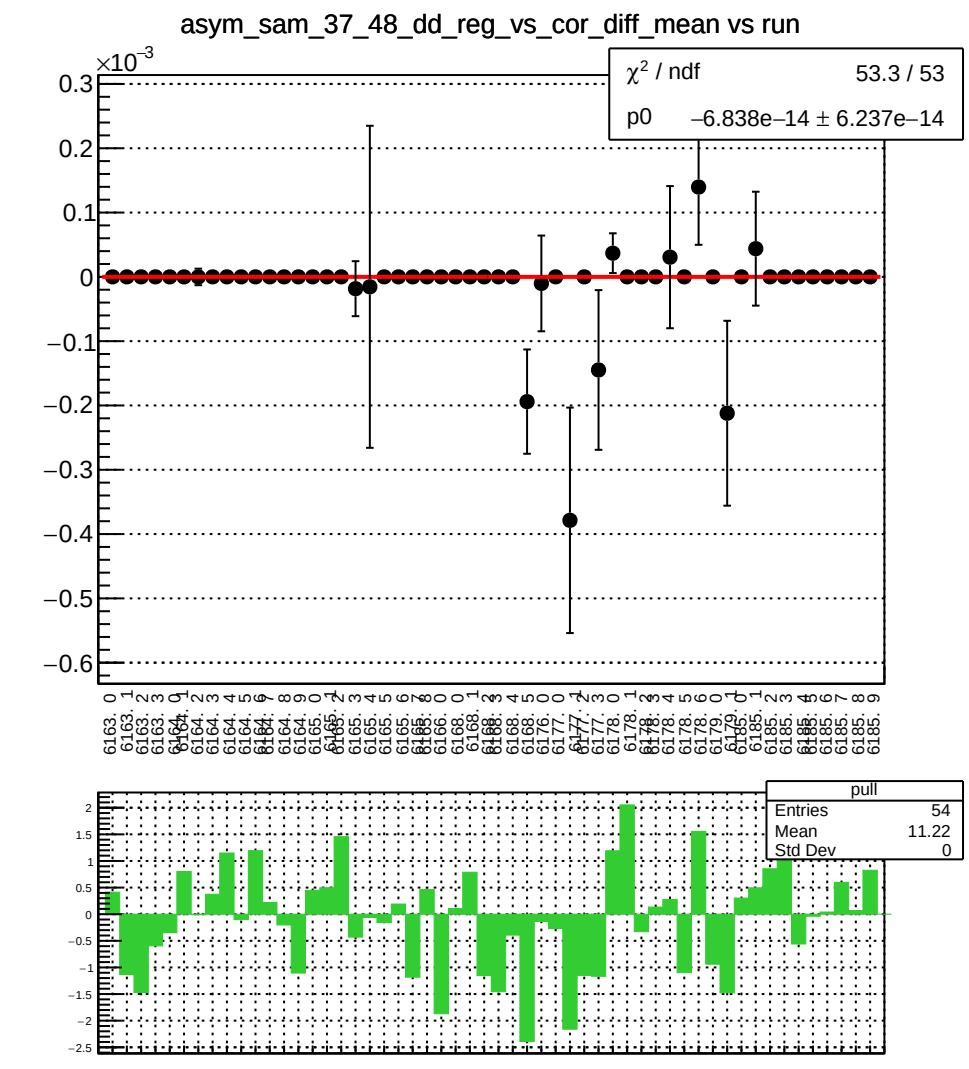

pull1D
Entries 54
Mean −0.04045
Std Dev 1.115

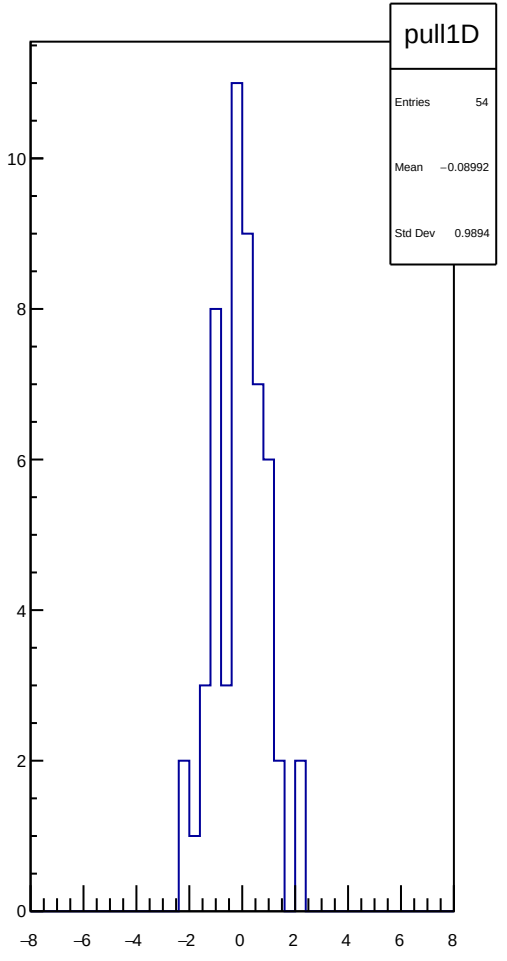

asym_sam_37_48_dd_eigen_dit_correction_rms vs run
χ² / ndf 6.184e+04 / 53
p0 654.6 ± 0.6643
1000
900
800
700
600
500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

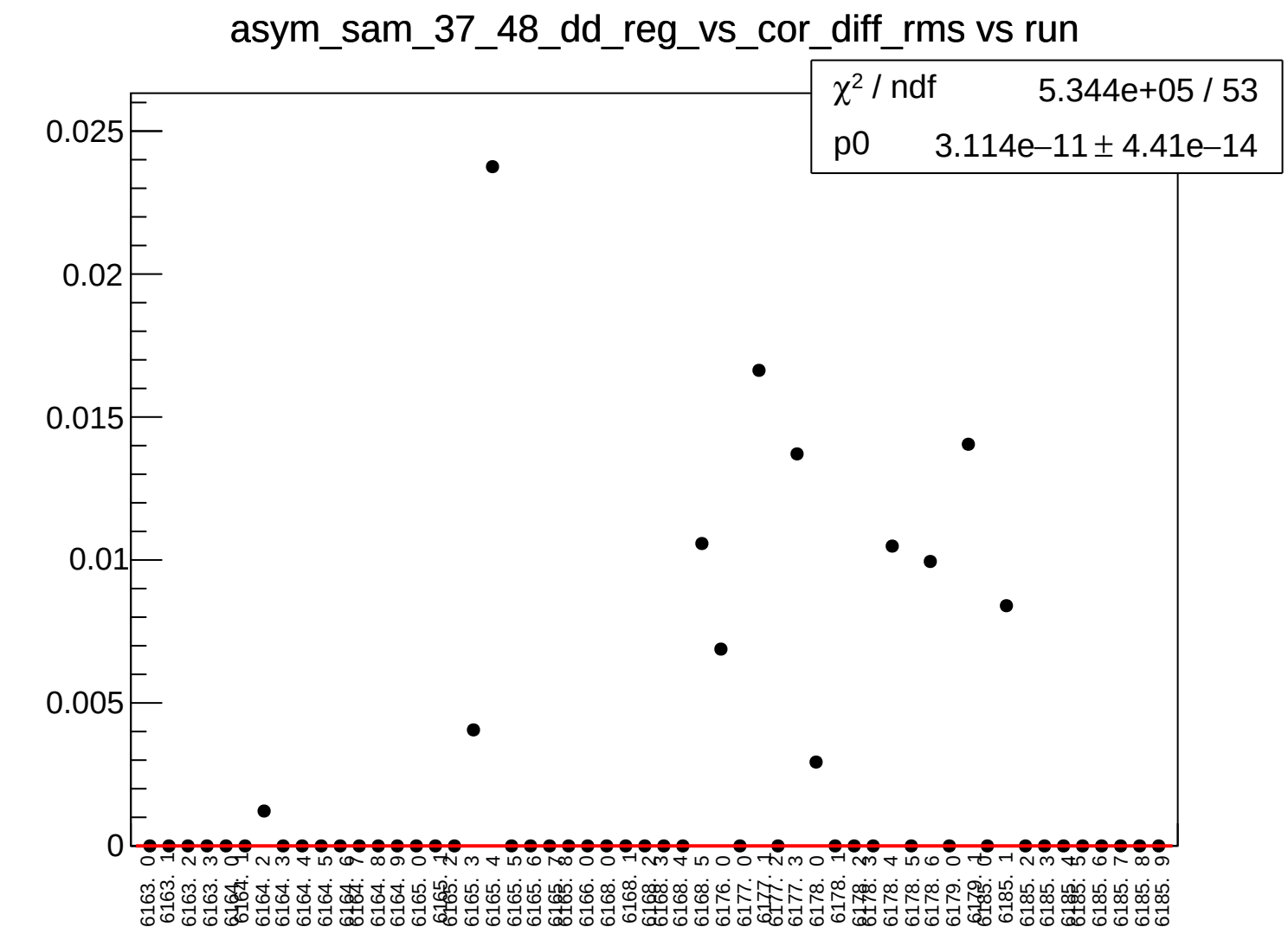

asym_sam_37_48_dd_mean vs run
χ² / ndf 65.58 / 53
p0 911.1 ± 910.4
pull
Entries 54
Mean −13.46
Std Dev 0

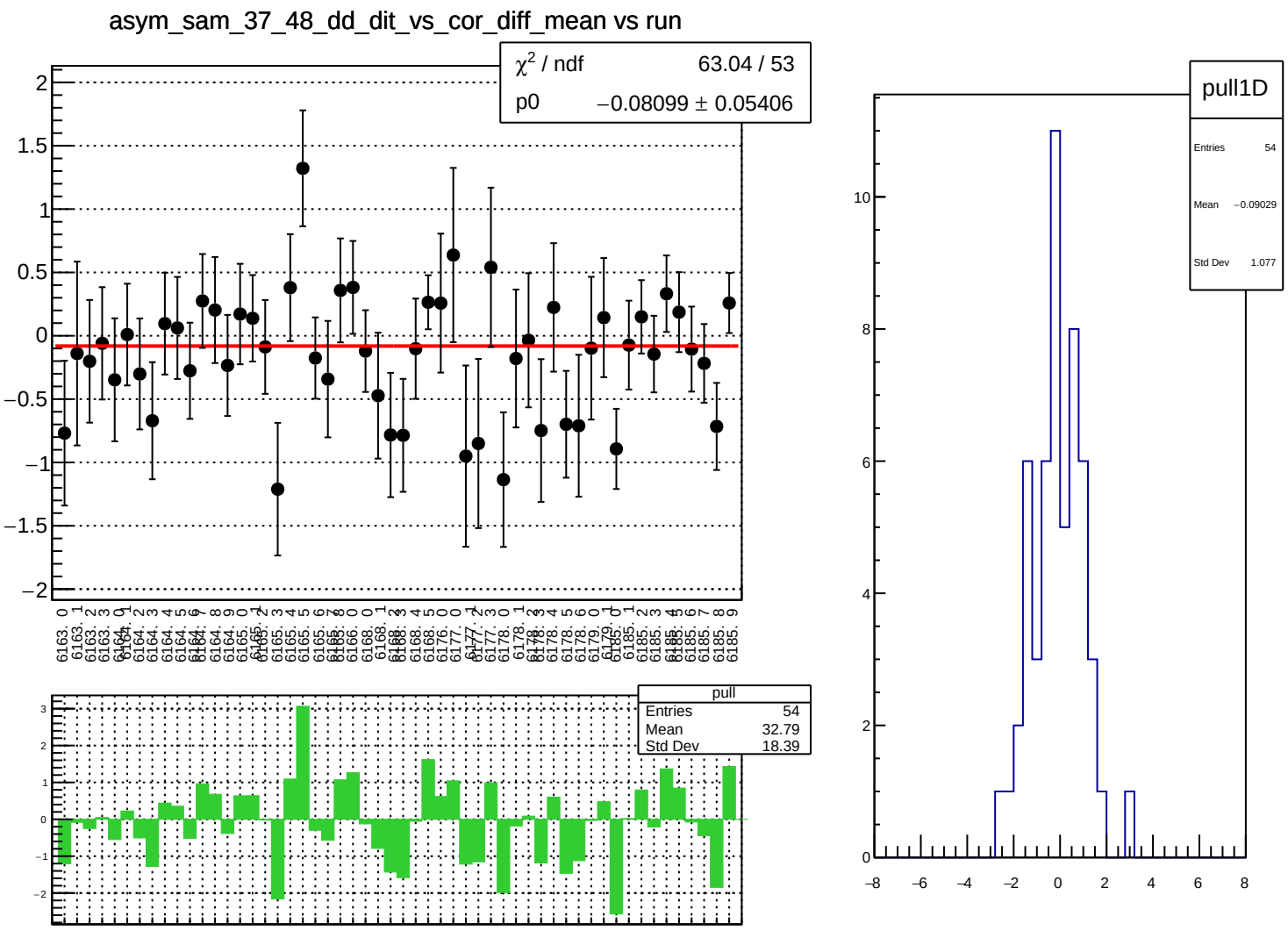

pull1D
Entries 54
Mean 0.04121
Std Dev 1.101

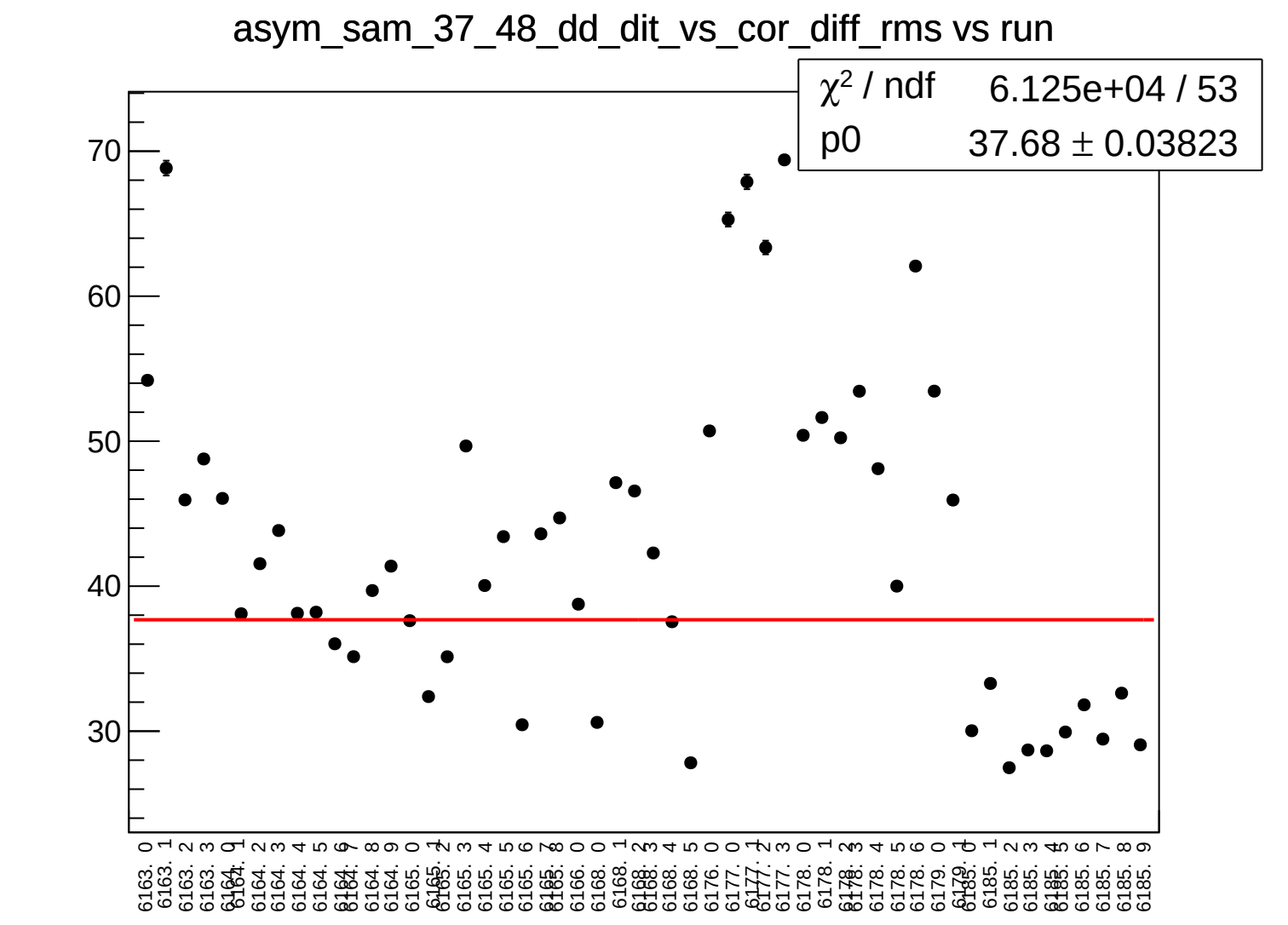

asym_sam_37_48_dd_rms vs run
χ² / ndf 6.386e+04 / 53
p0 633.8 ± 0.6438
1000
900
800
700
600
500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

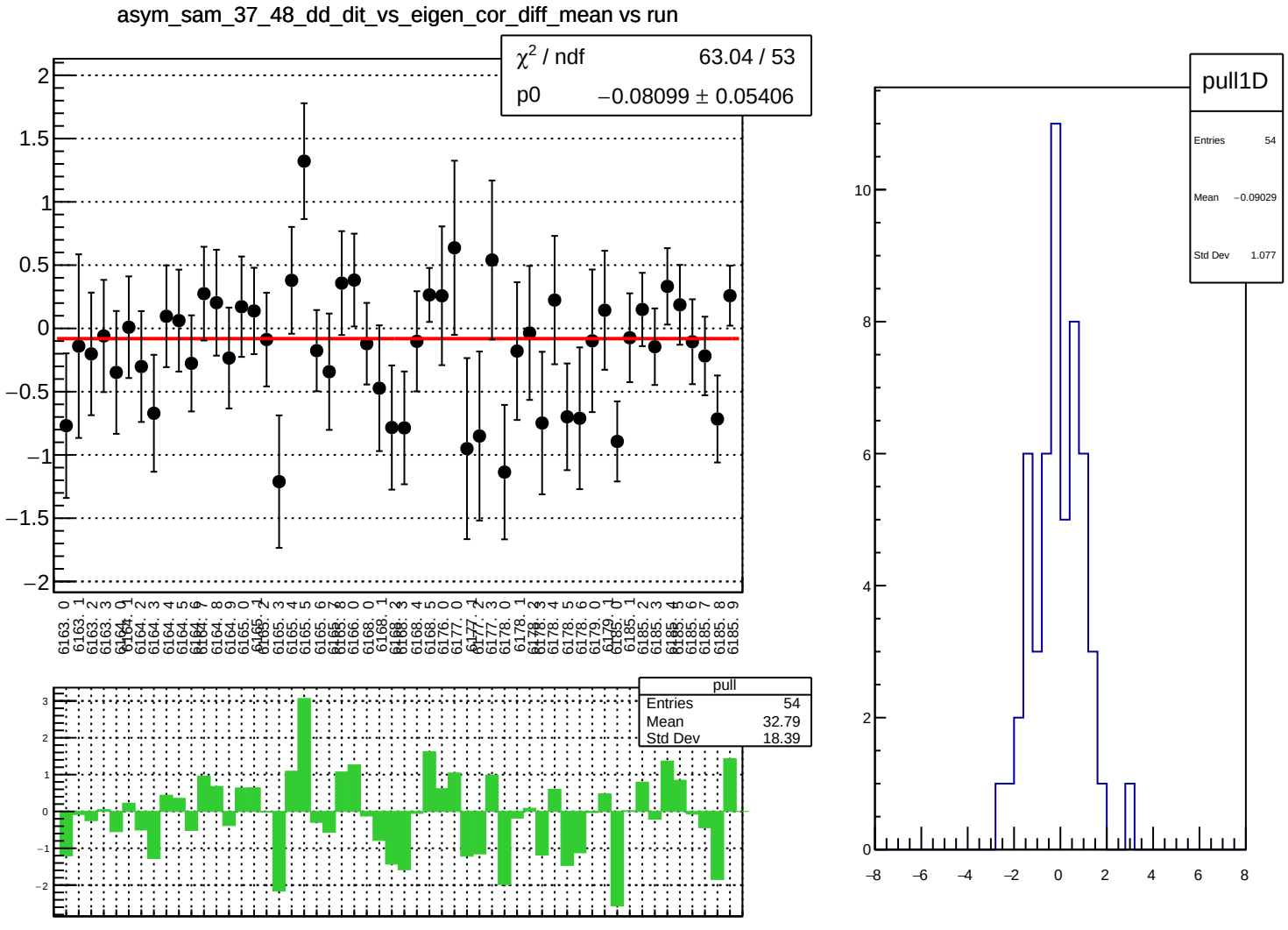

asym_sam_37_48_dd_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 53.3 / 53
p0 −6.838e−14 ± 6.237e−14
pull
Entries 54
Mean 11.22
Std Dev 0

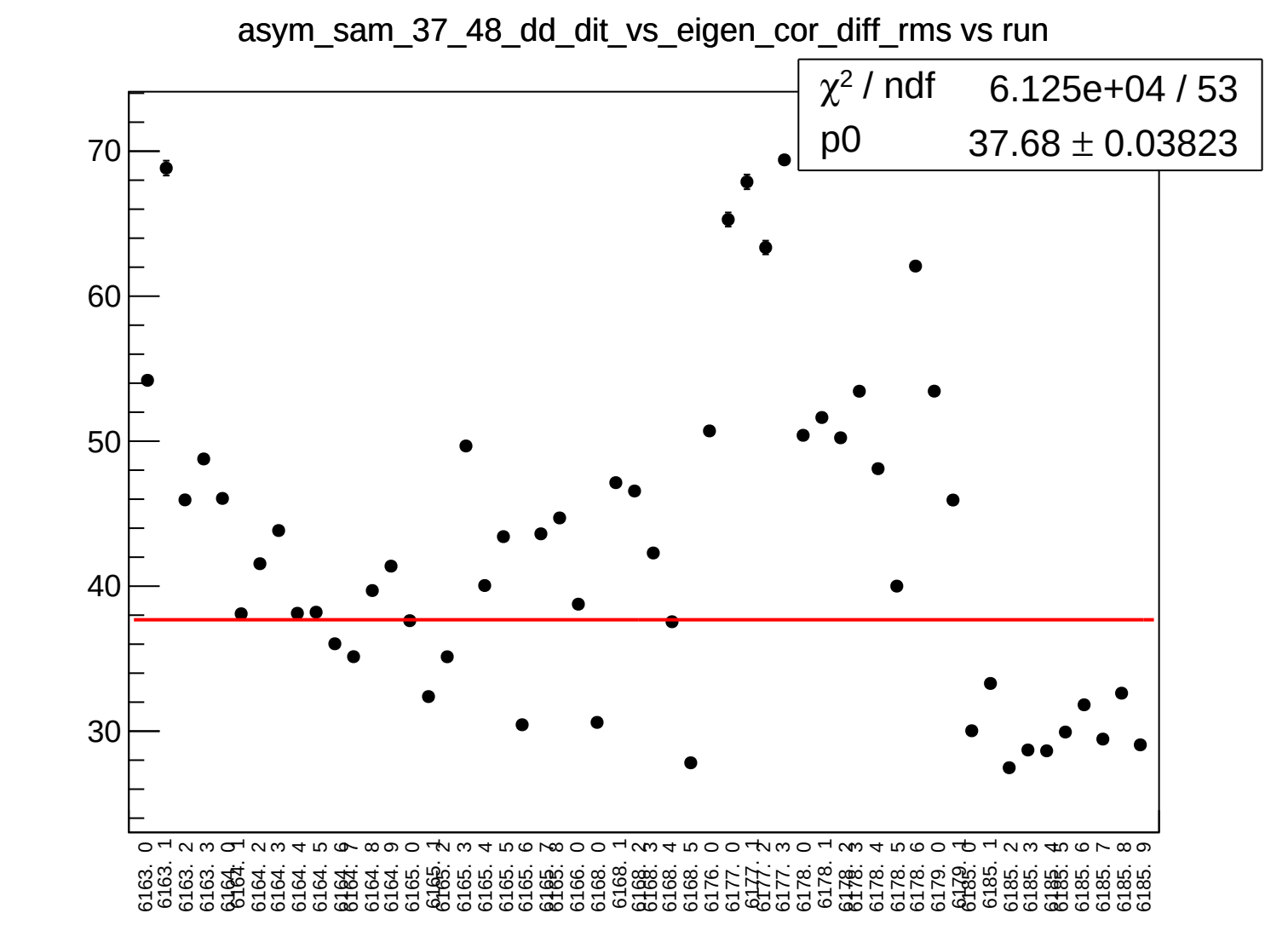

pull1D
Entries 54
Mean −0.08992
Std Dev 0.9894

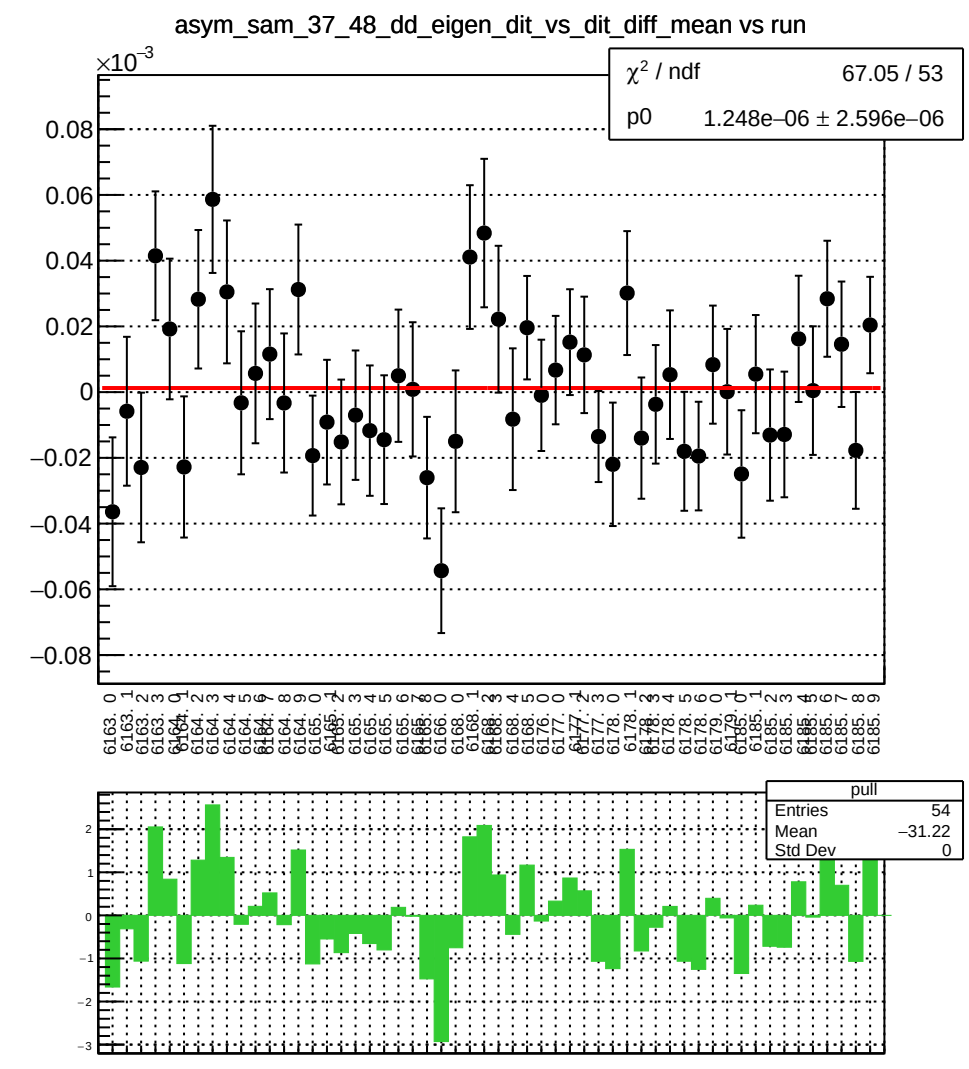

asym_sam_37_48_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.344e+05 / 53
p0 3.114e−11 ± 4.41e−14
0.025
0.02
0.015
0.01
0.005
0

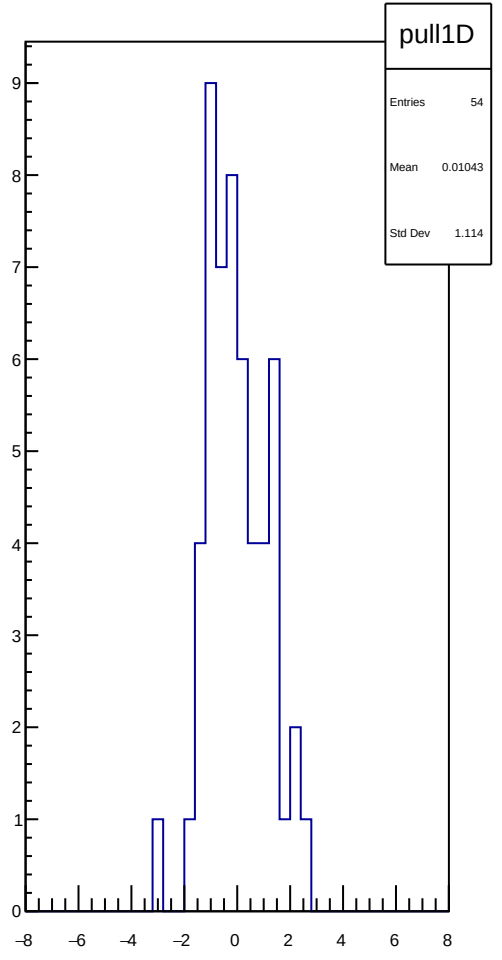

asym_sam_37_48_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 63.04 / 53
p0 −0.08099 ± 0.05406
pull
Entries 54
Mean 32.79
Std Dev 18.39
pull1D
Entries 54
Mean −0.09029
Std Dev 1.077

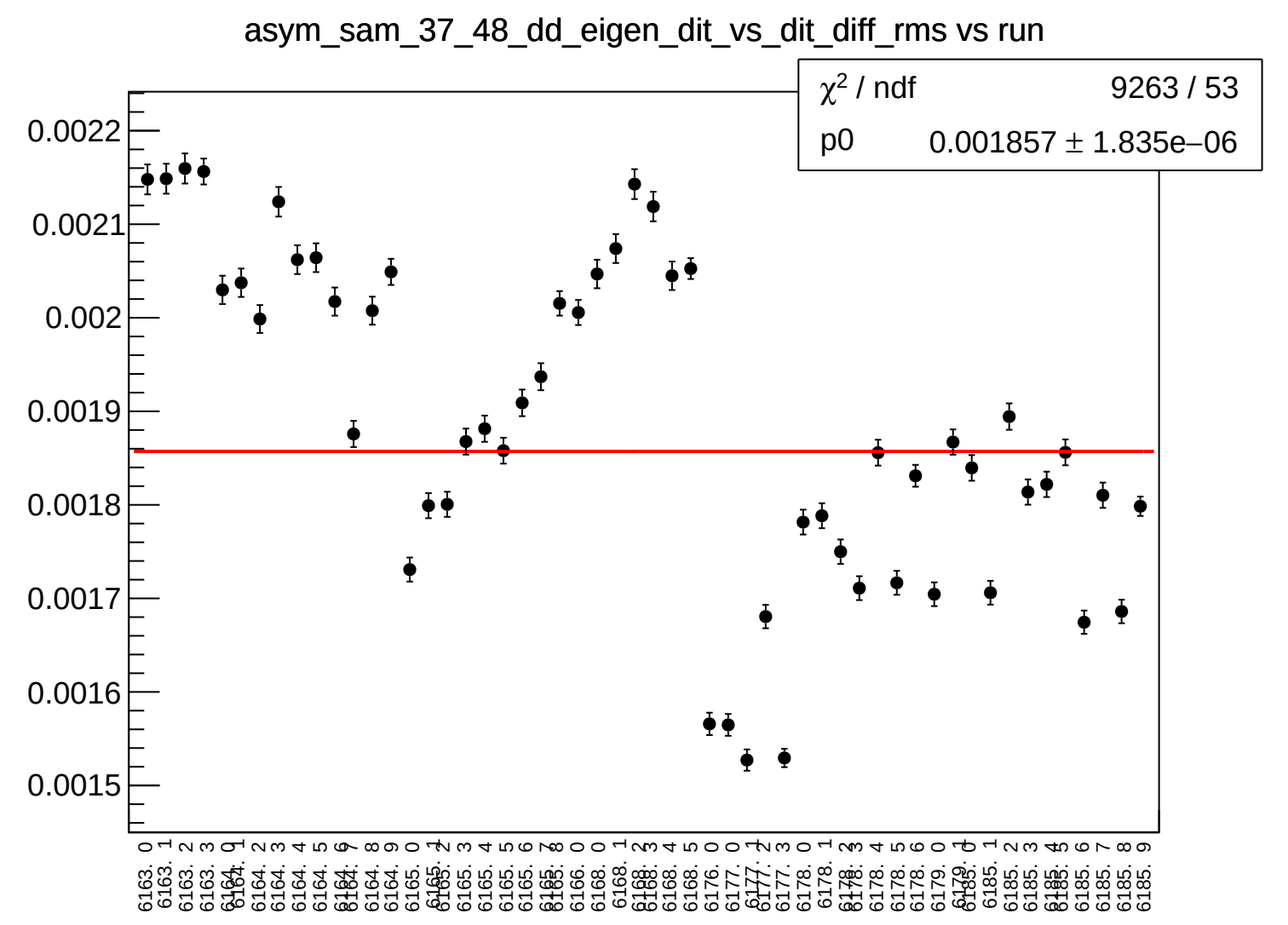

asym_sam_37_48_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 6.125e+04 / 53
p0 37.68 ± 0.03823
70
60
50
40
30
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

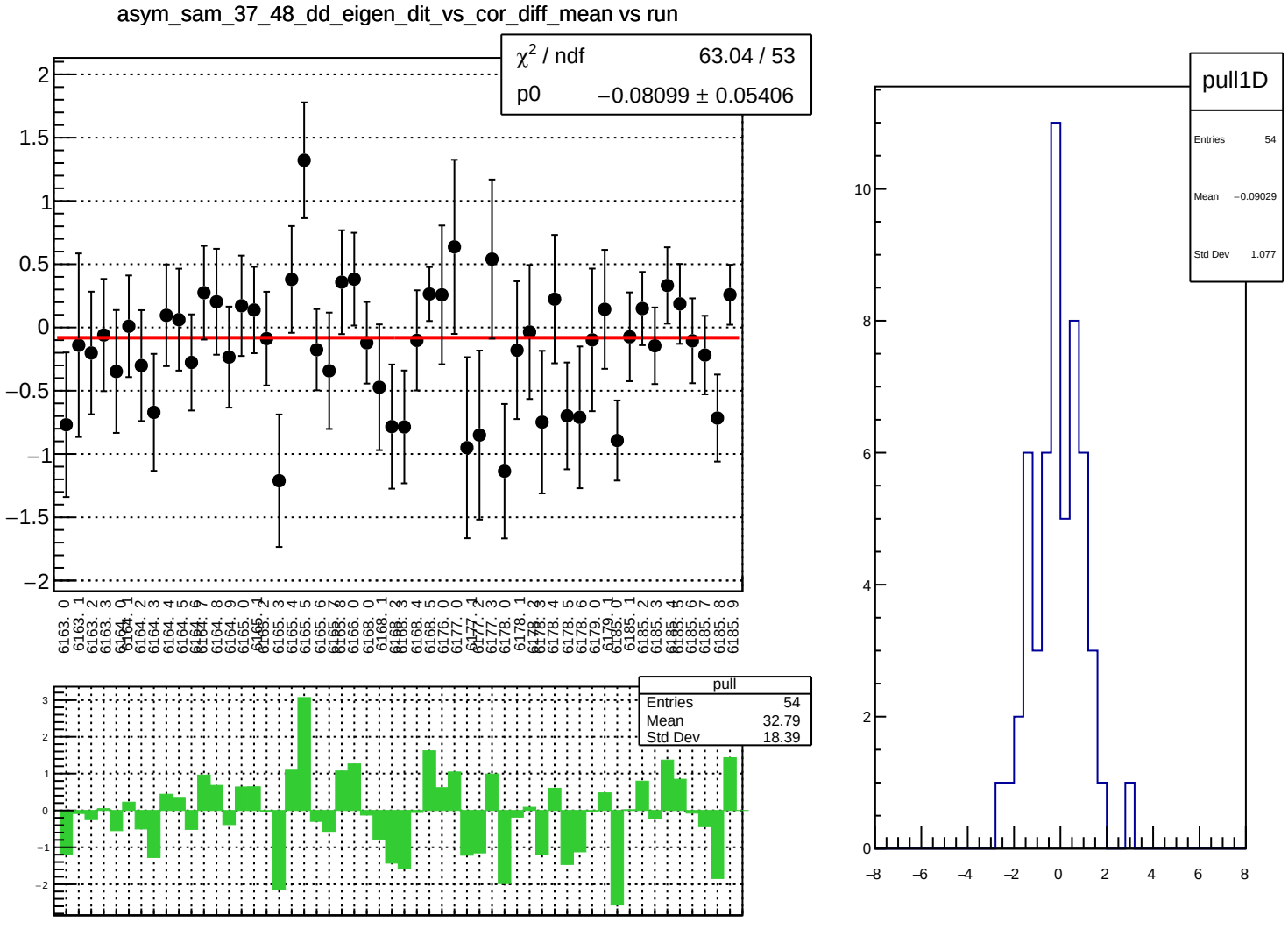

asym_sam_37_48_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 63.04 / 53
p0 −0.08099 ± 0.05406
pull
Entries 54
Mean 32.79
Std Dev 18.39
pull1D
Entries 54
Mean −0.09029
Std Dev 1.077

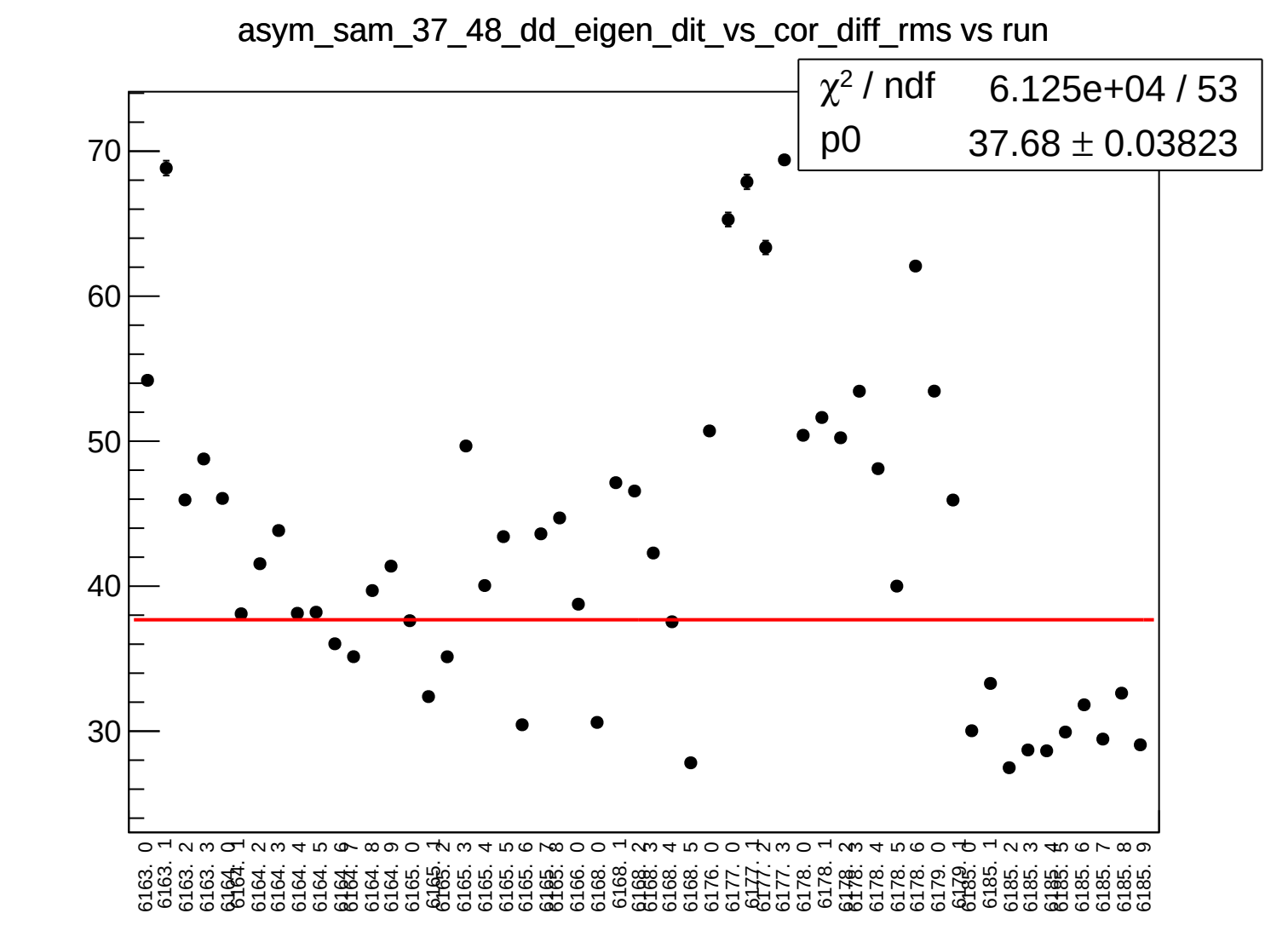

asym_sam_37_48_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.125e+04 / 53
p0 37.68 ± 0.03823
70
60
50
40
30
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

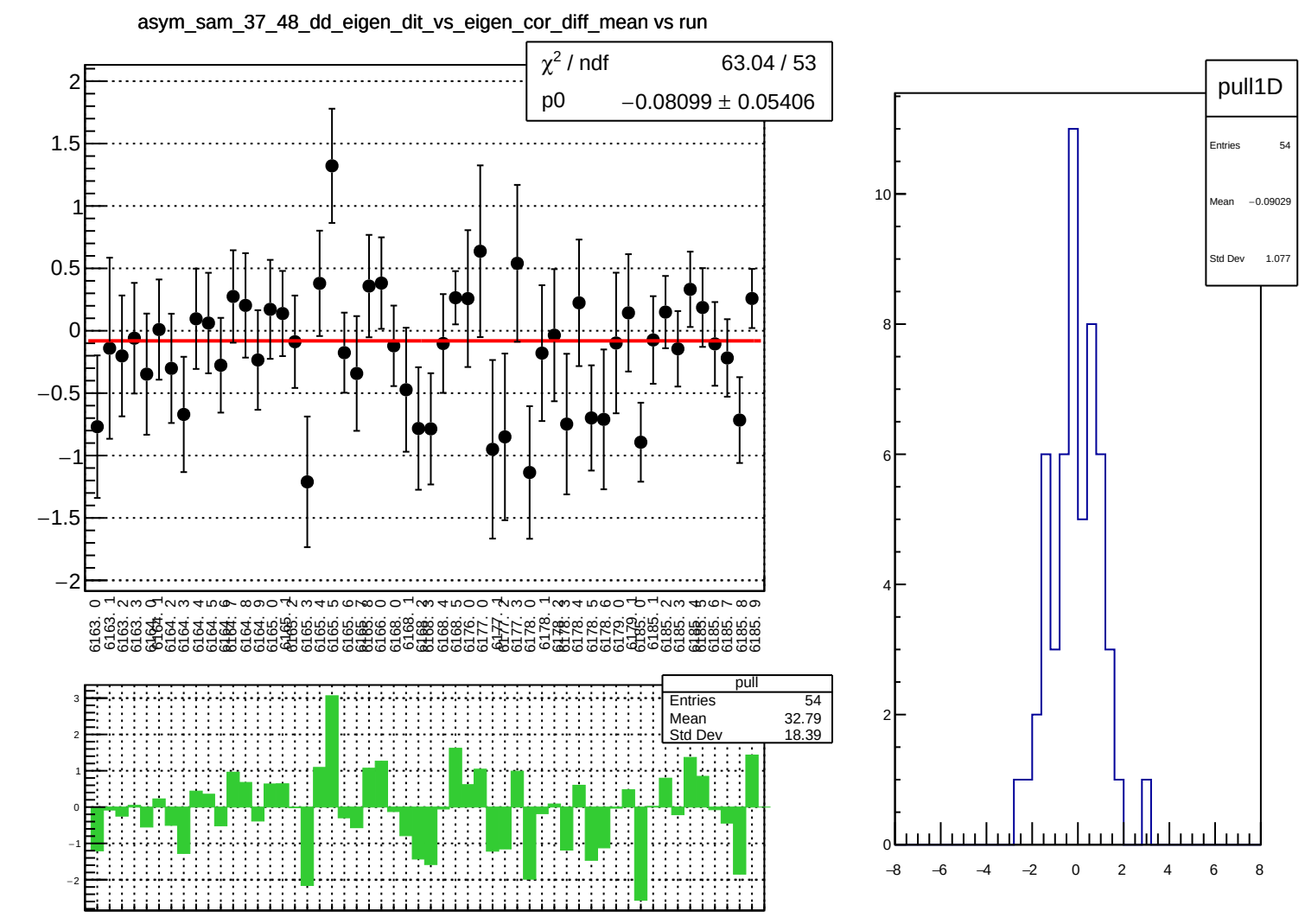

asym_sam_37_48_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 67.05 / 53
p0 1.248e−06 ± 2.596e−06
pull
Entries 54
Mean −31.22
Std Dev 0

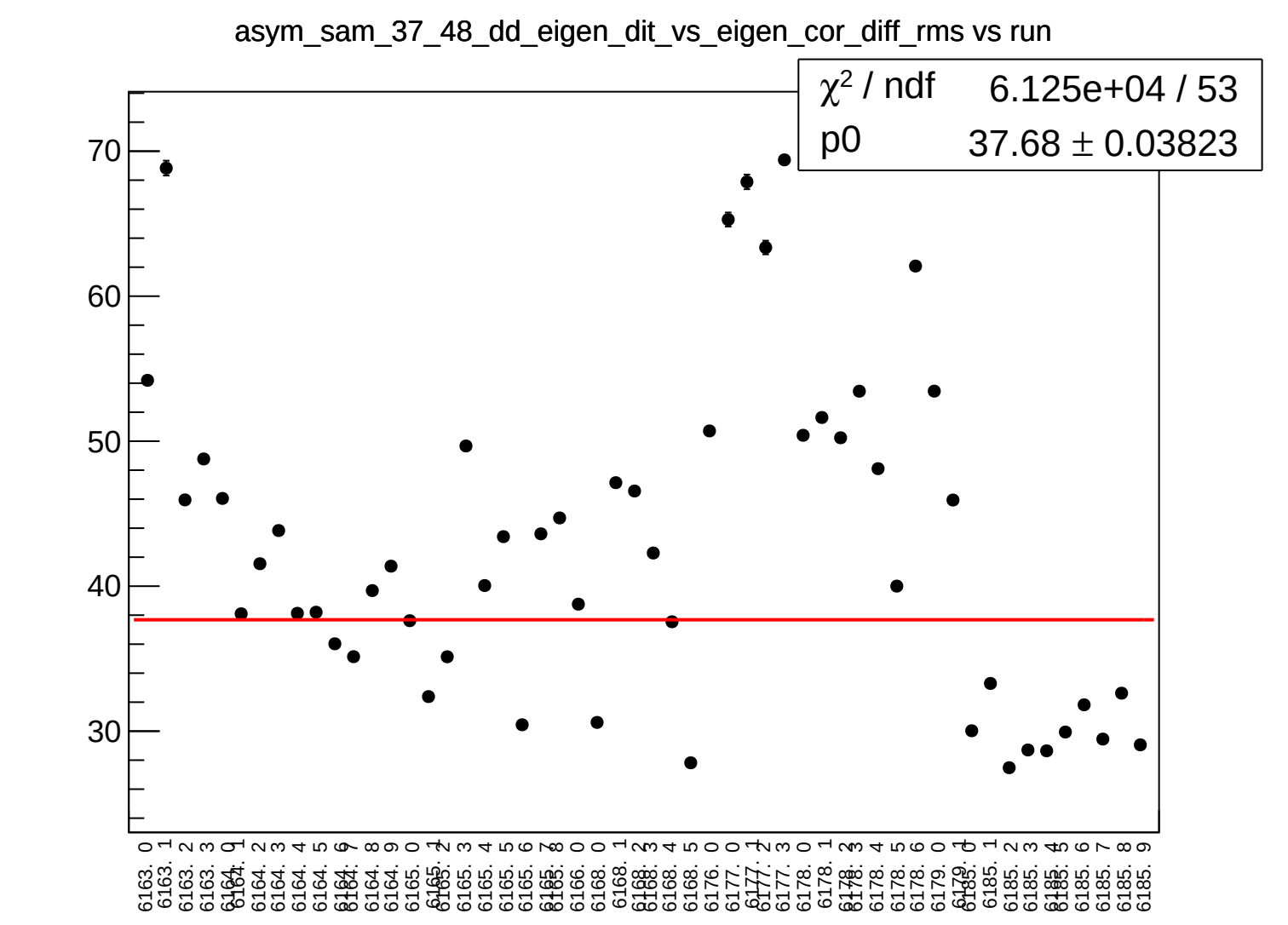

pull1D
Entries 54
Mean 0.01043
Std Dev 1.114

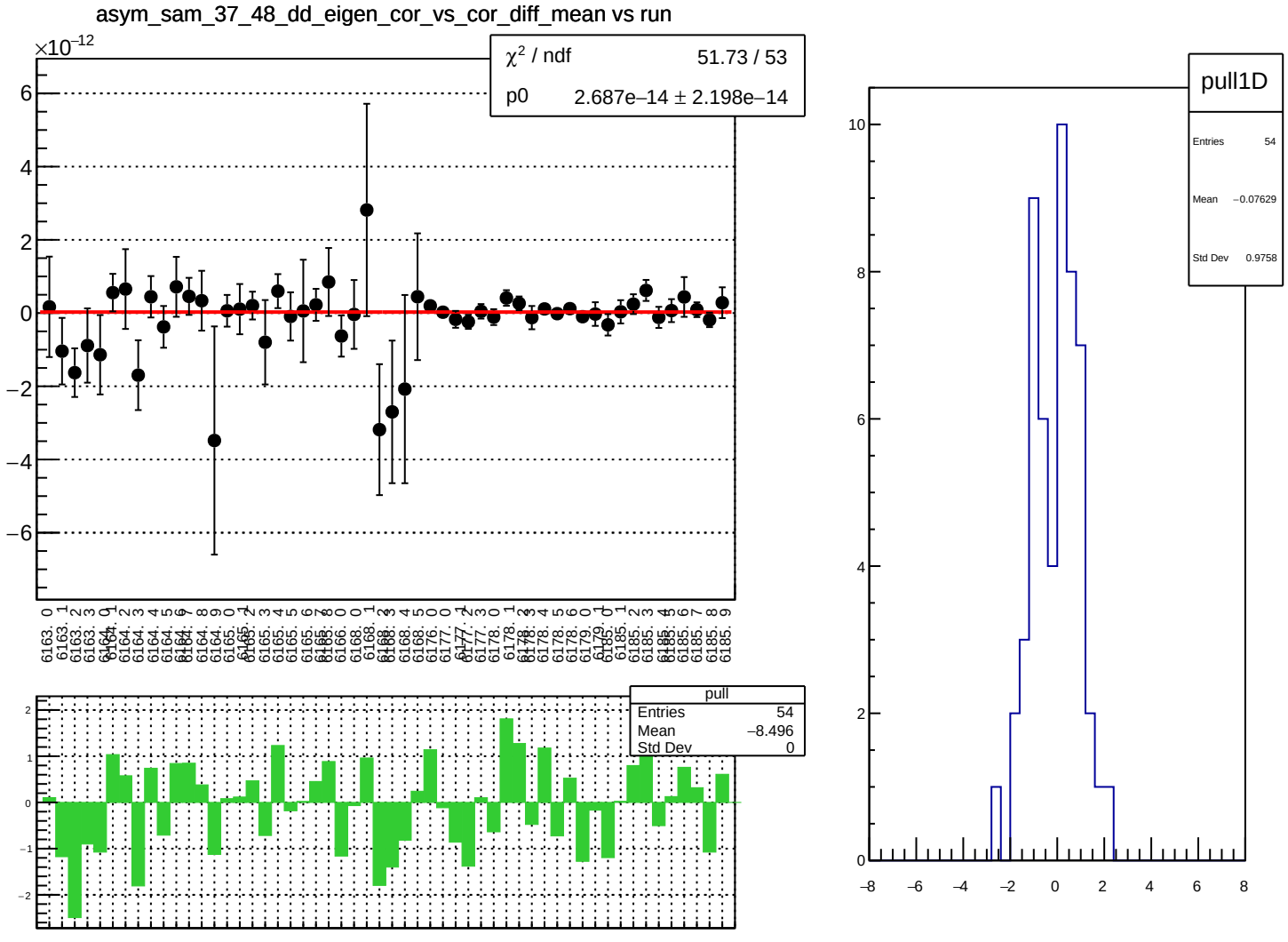

asym_sam_37_48_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 9263 / 53
p0 0.001857 ± 1.835e−06
0.0022
0.0021
0.002
0.0019
0.0018
0.0017
0.0016
0.0015
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

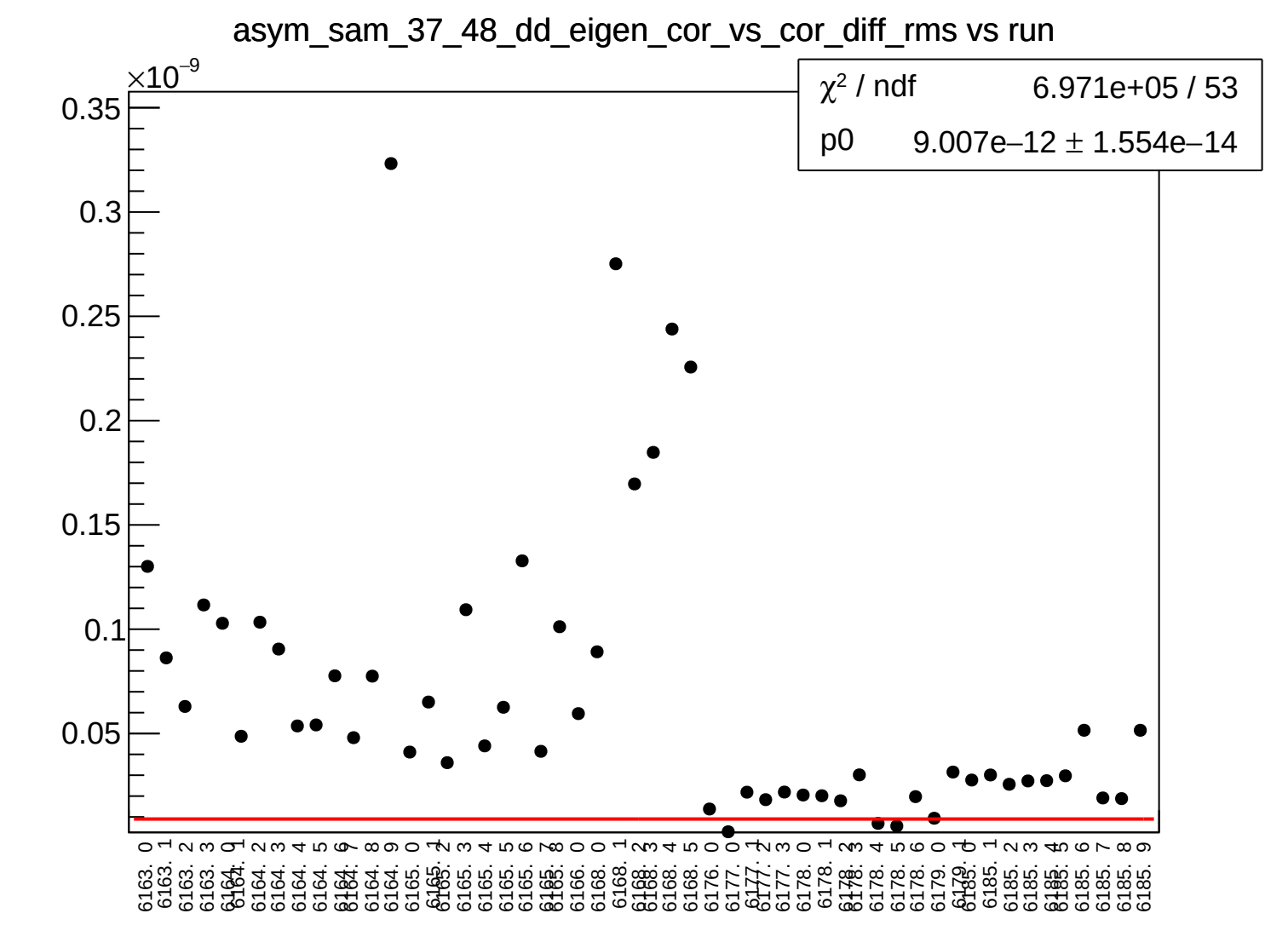

asym_sam_37_48_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 63.04 / 53
p0 −0.08099 ± 0.05406
pull
Entries 54
Mean 32.79
Std Dev 18.39
pull1D
Entries 54
Mean −0.09029
Std Dev 1.077

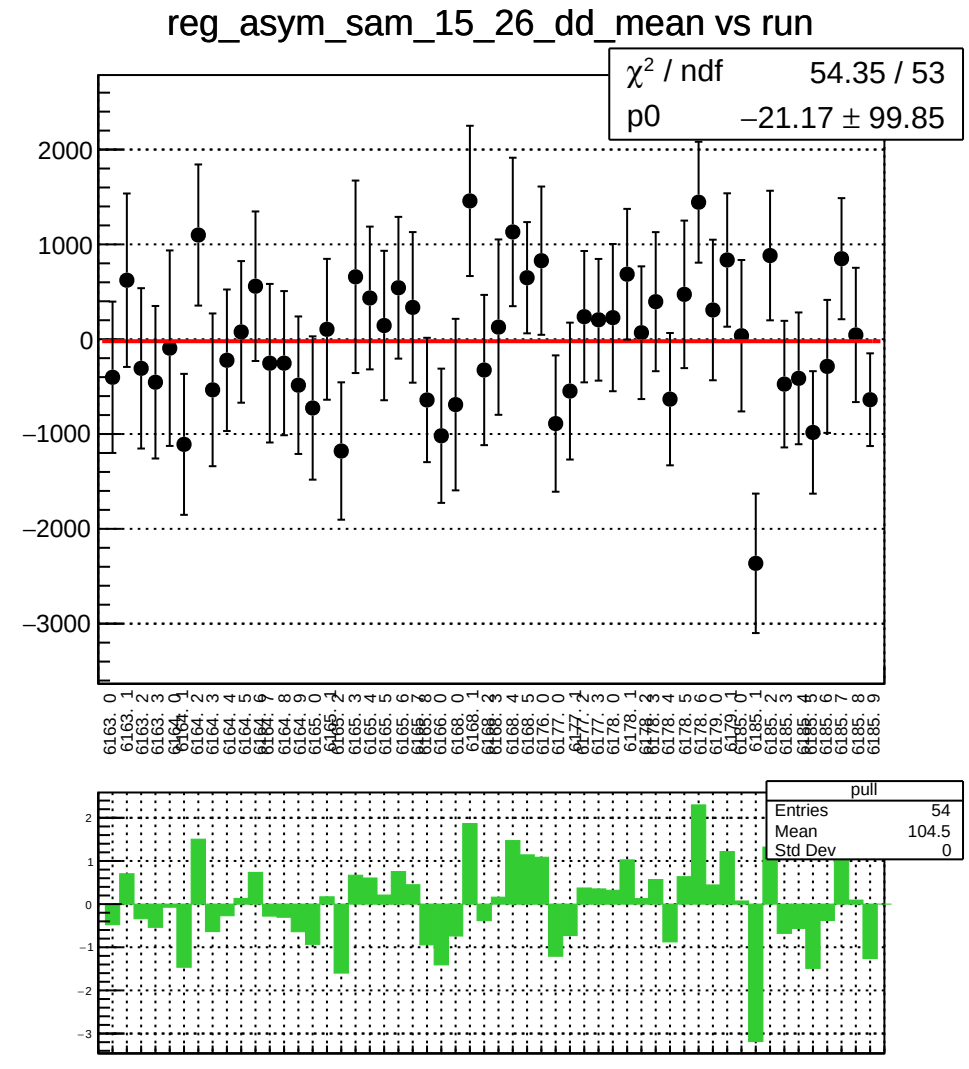

asym_sam_37_48_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 6.125e+04 / 53
p0 37.68 ± 0.03823
70
60
50
40
30
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

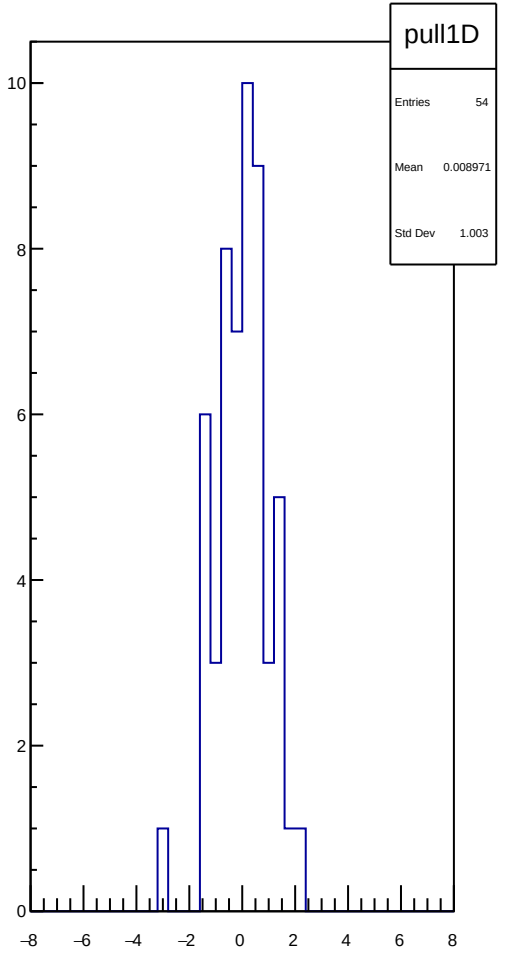

asym_sam_37_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 63.04 / 53
p0 −0.08099 ± 0.05406
pull
Entries 54
Mean 32.79
Std Dev 18.39
pull1D
Entries 54
Mean −0.09029
Std Dev 1.077

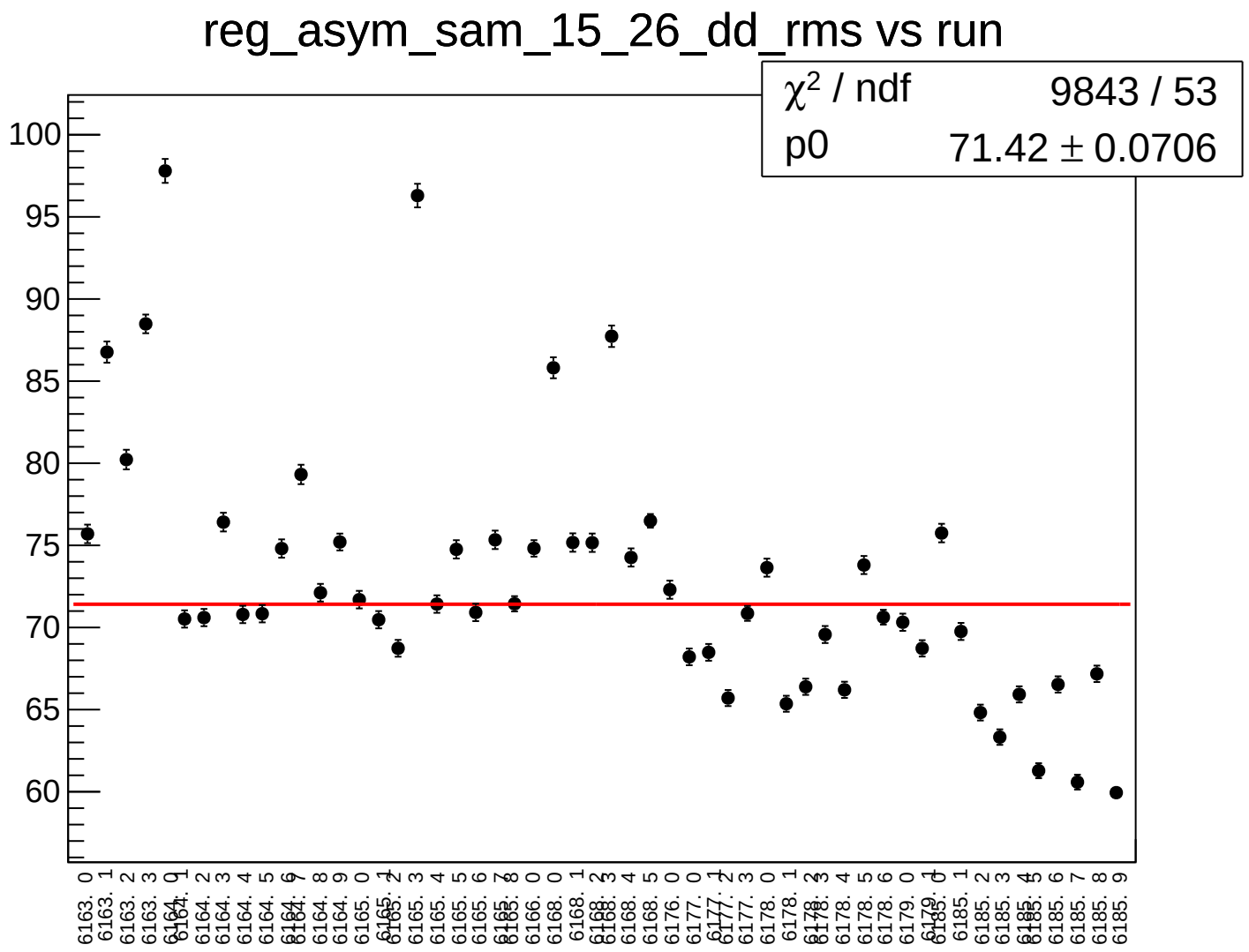

asym_sam_37_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.125e+04 / 53
p0 37.68 ± 0.03823
70
60
50
40
30
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

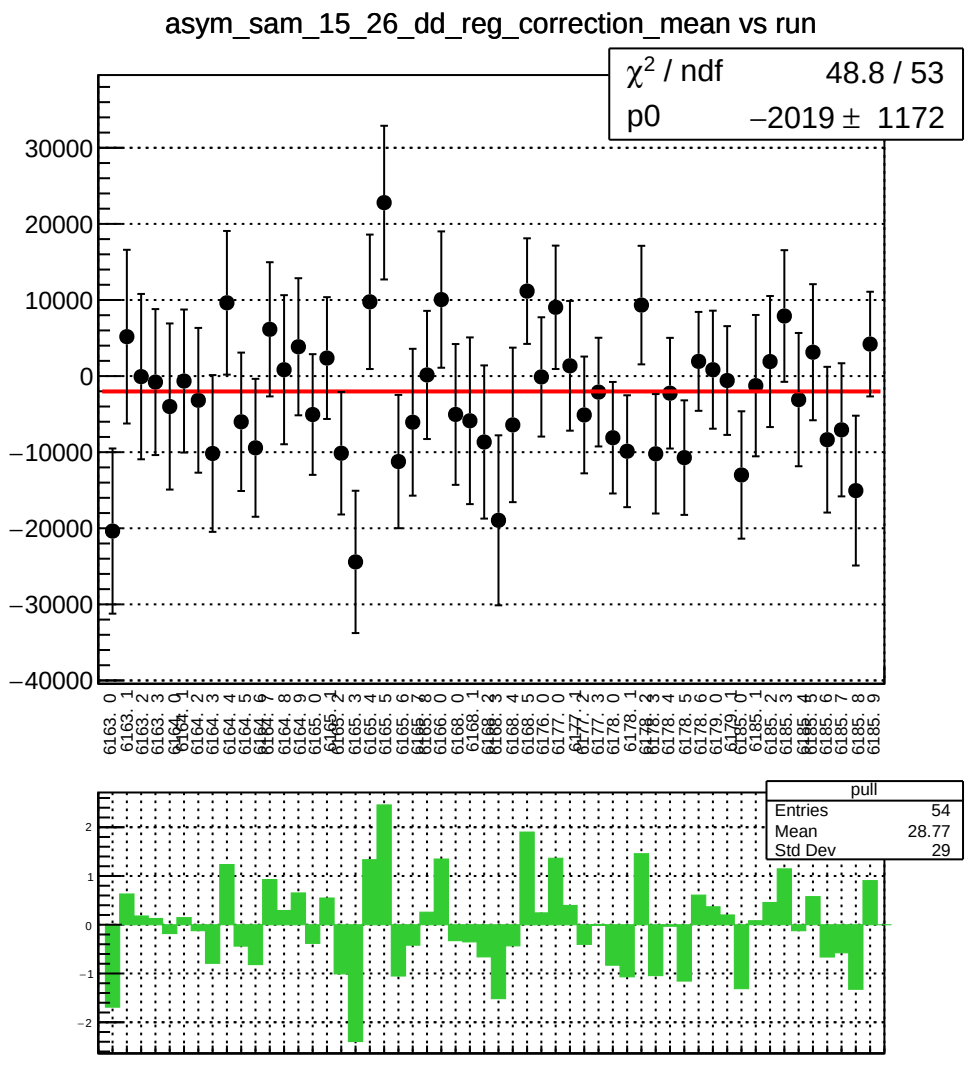

asym_sam_37_48_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 51.73 / 53
p0 2.687e−14 ± 2.198e−14
pull
Entries 54
Mean −8.496
Std Dev 0
pull1D
Entries 54
Mean −0.07629
Std Dev 0.9758

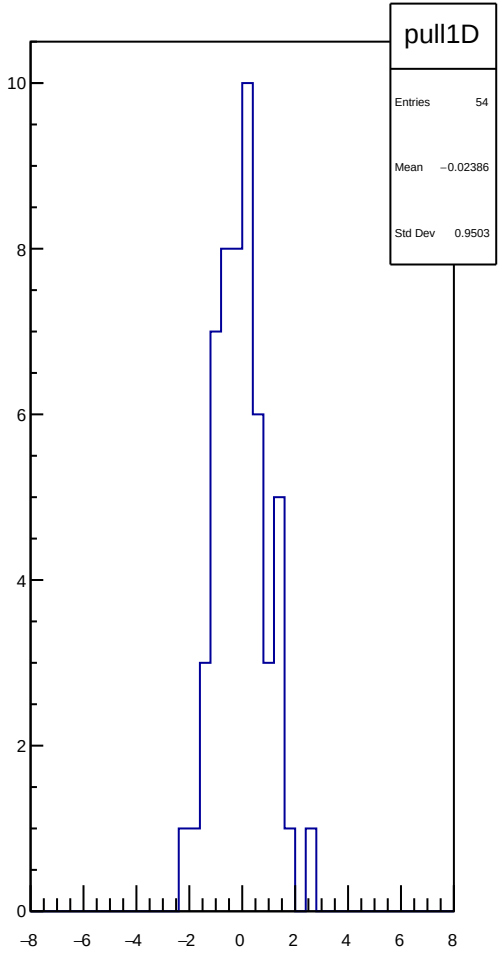

asym_sam_37_48_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.971e+05 / 53
p0 9.007e−12 ± 1.554e−14
0.35
0.3
0.25
0.2
0.15
0.1
0.05
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

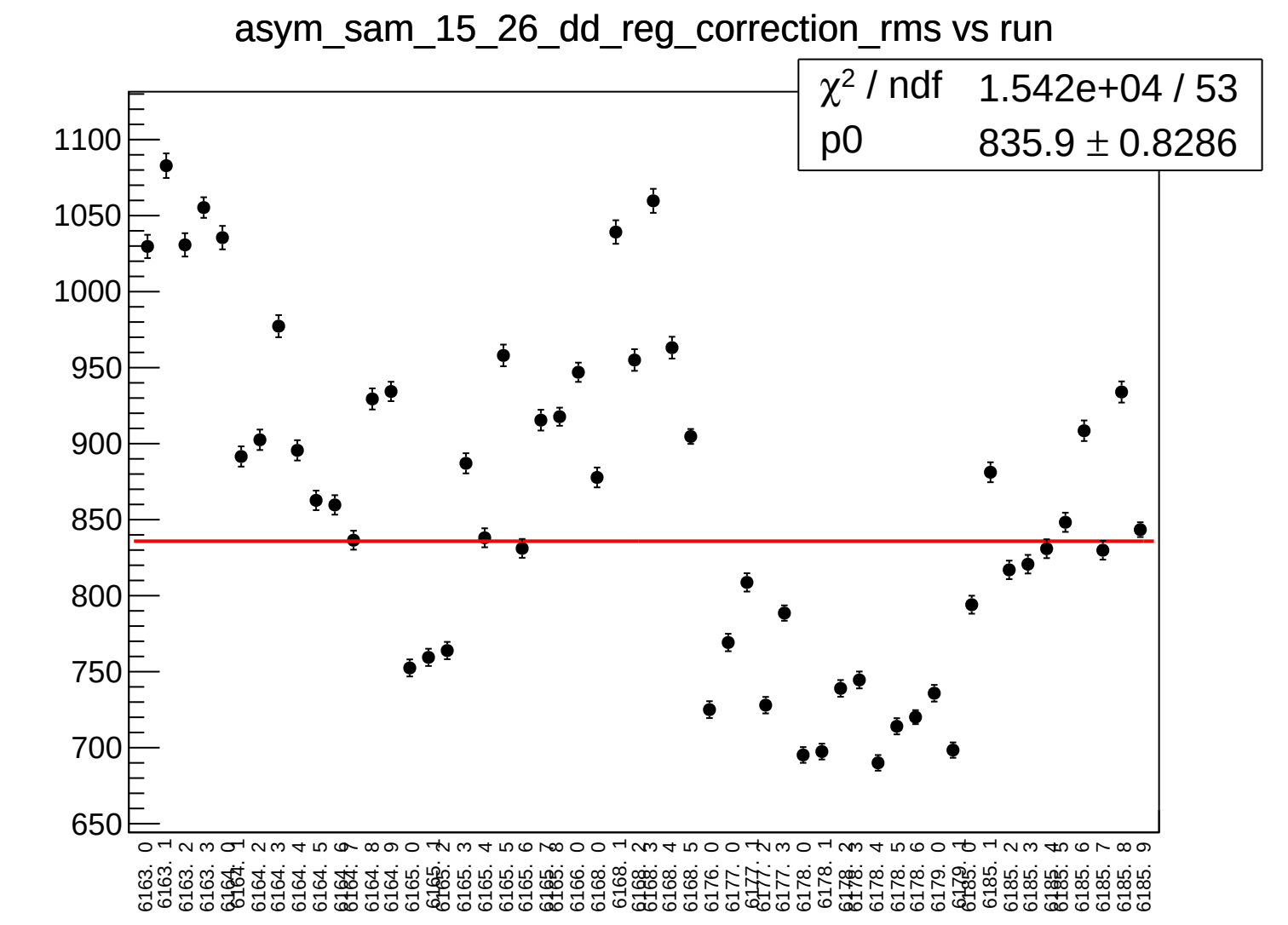

reg_asym_sam_15_26_dd_mean vs run
χ² / ndf 54.35 / 53
p0 −21.17 ± 99.85
pull
Entries 54
Mean 104.5
Std Dev 0


pull1D
Entries 54
Mean 0.008971
Std Dev 1.003


reg_asym_sam_15_26_dd_rms vs run
χ² / ndf 9843 / 53
p0 71.42 ± 0.0706
100
95
90
85
80
75
70
65
60
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


asym_sam_15_26_dd_reg_correction_mean vs run
χ² / ndf 48.8 / 53
p0 −2019 ± 1172
pull
Entries 54
Mean 28.77
Std Dev 29


pull1D
Entries 54
Mean −0.02386
Std Dev 0.9503


asym_sam_15_26_dd_reg_correction_rms vs run
χ² / ndf 1.542e+04 / 53
p0 835.9 ± 0.8286
1100
1050
1000
950
900
850
800
750
700
650
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
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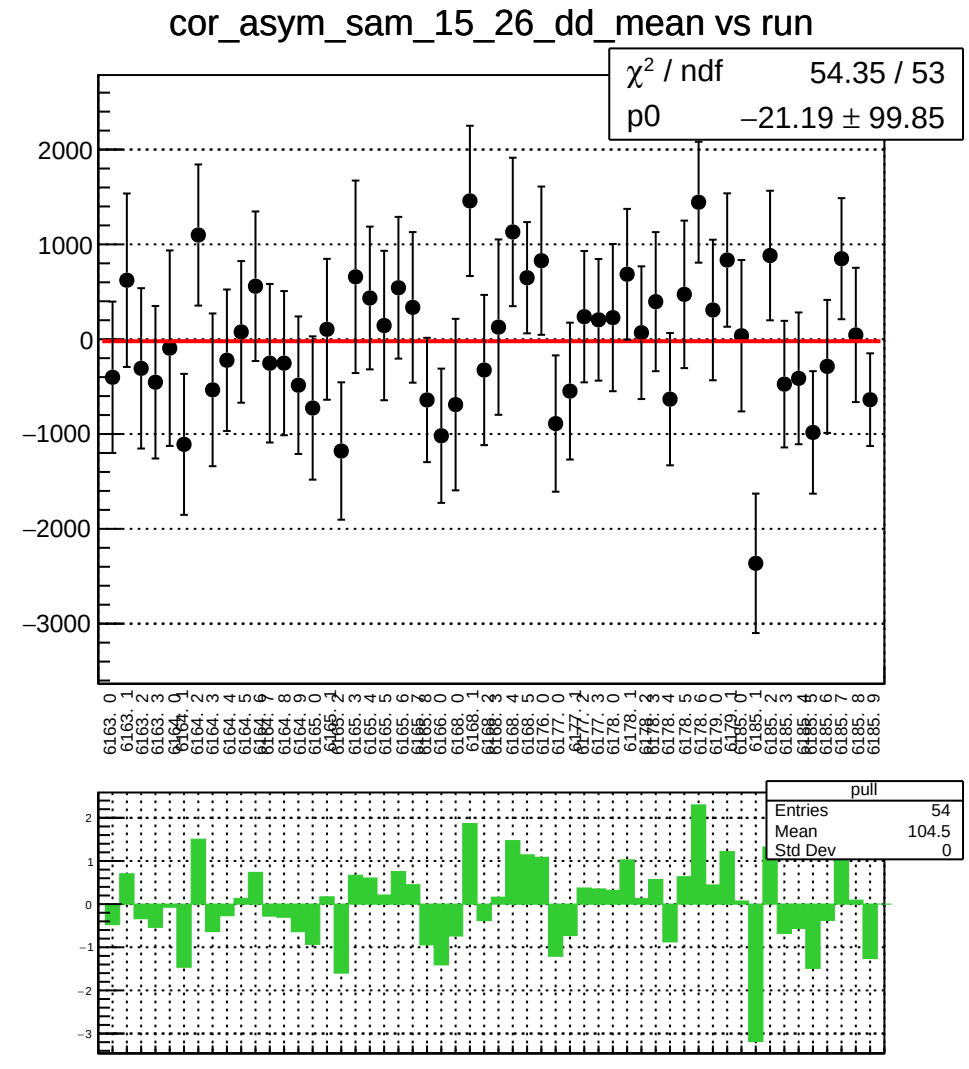
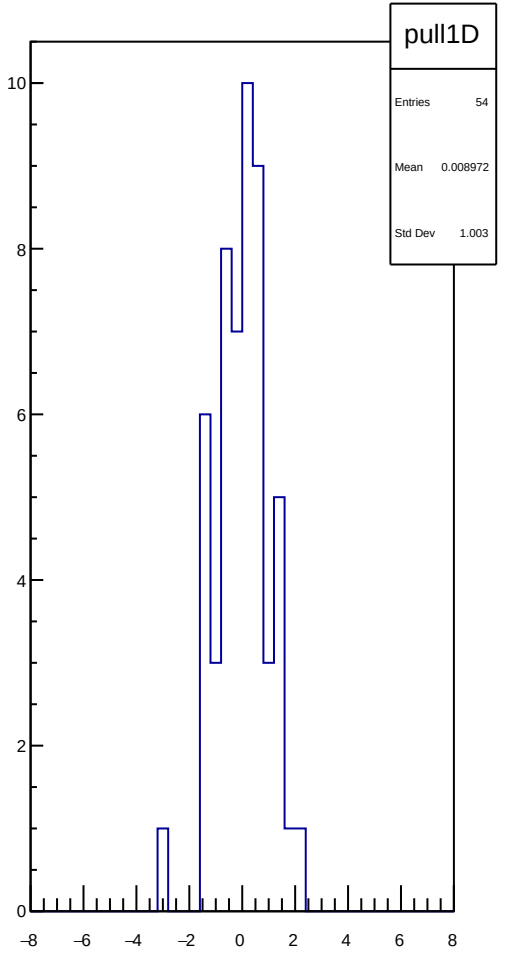
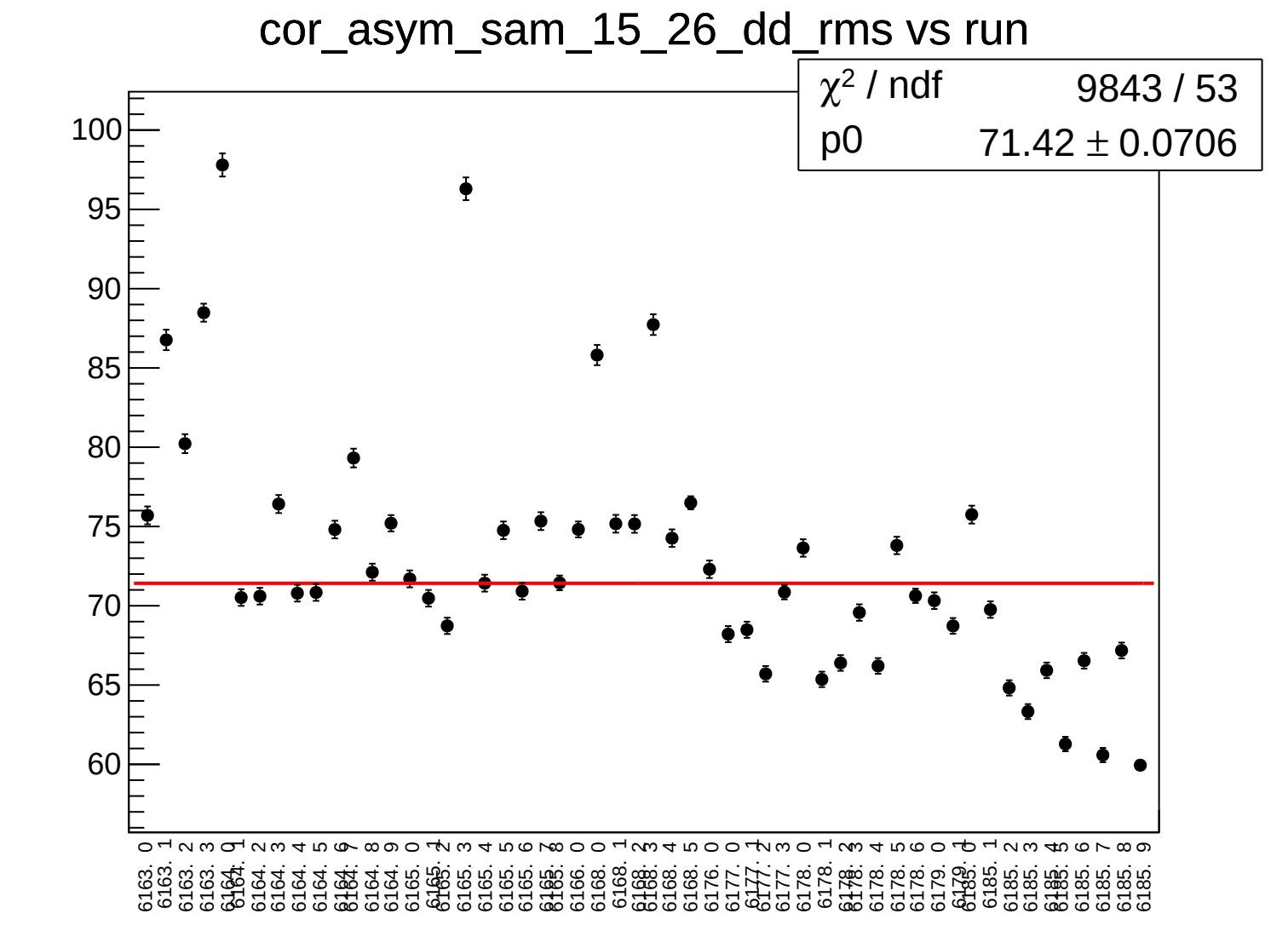
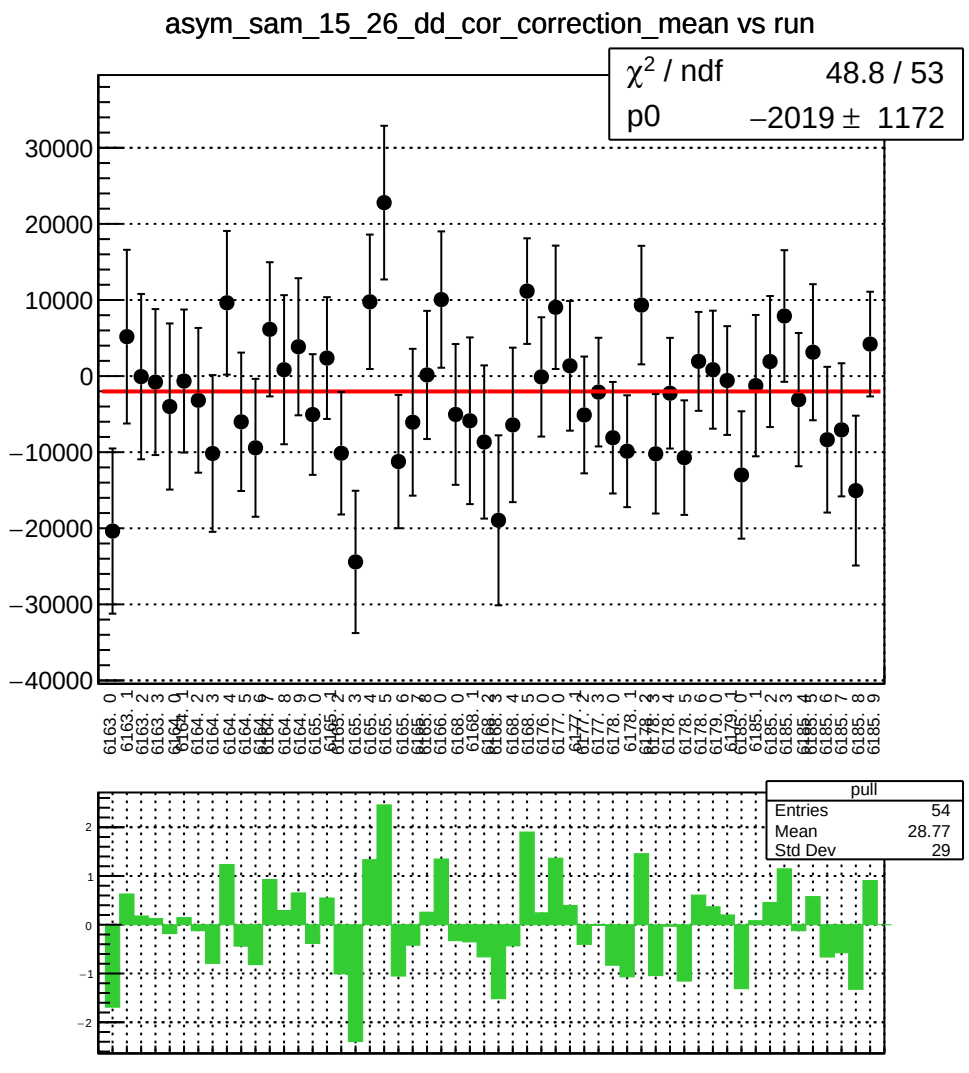
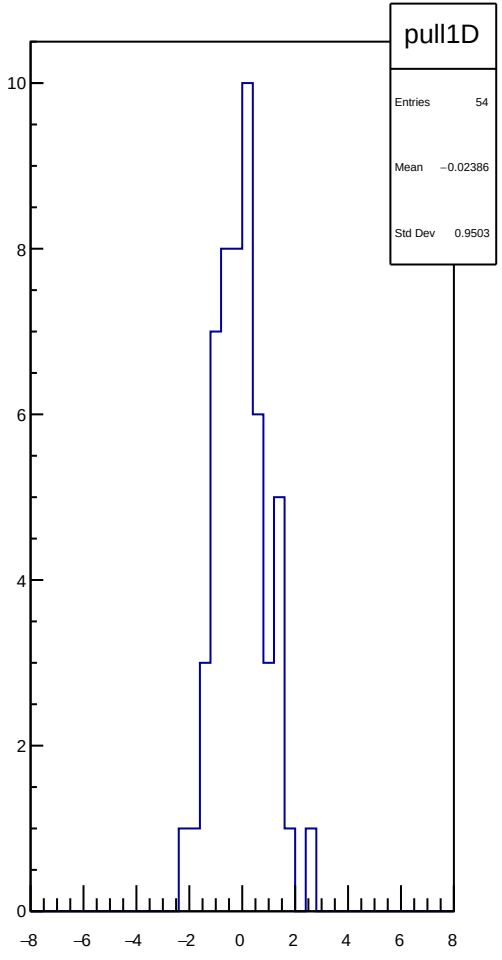
6185. 6
6185. 7
6185. 8
6185. 9

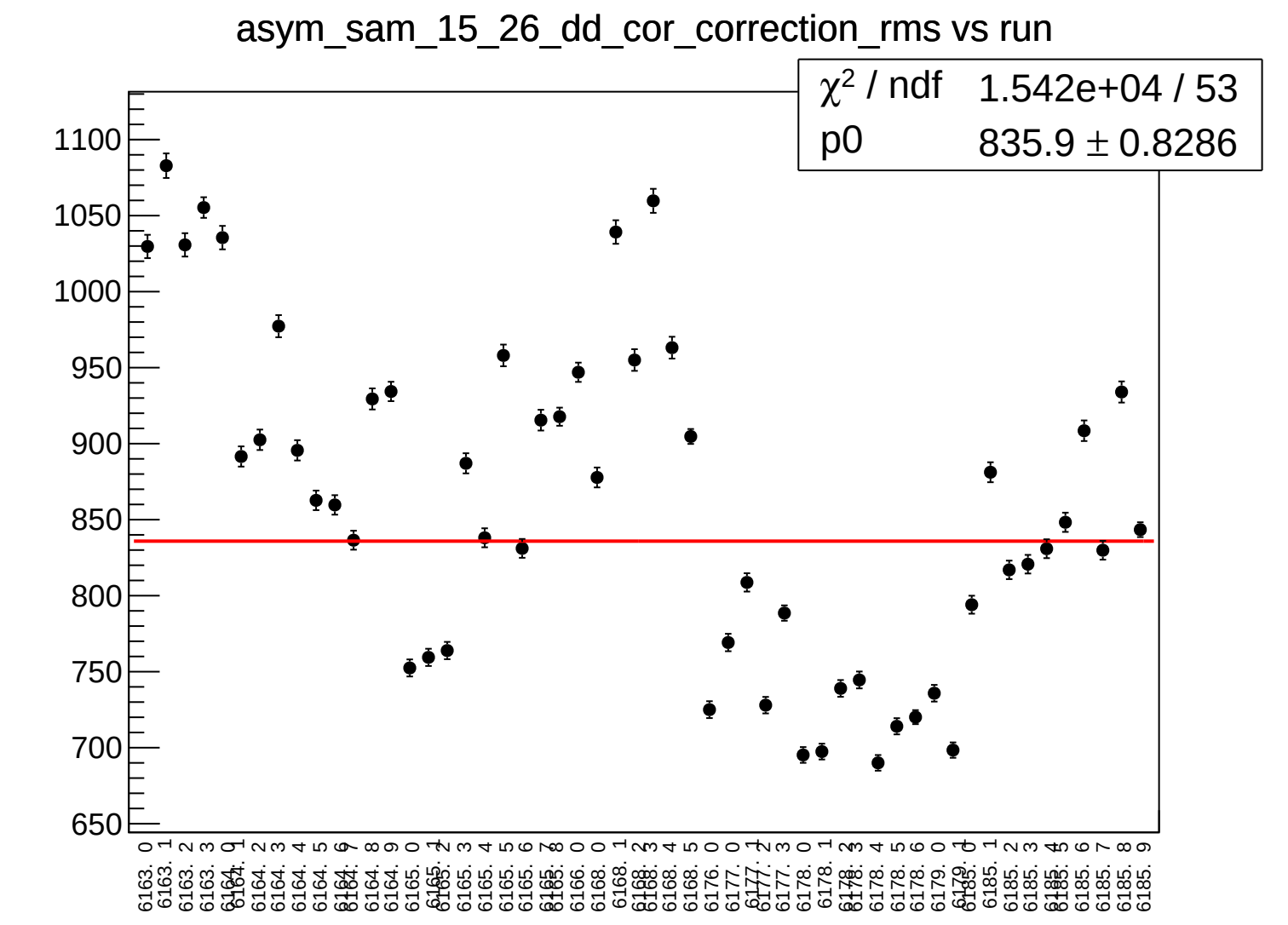

cor_asym_sam_15_26_dd_mean vs run
χ² / ndf 54.35 / 53
p0 −21.19 ± 99.85
pull
Entries 54
Mean 104.5
Std Dev 0

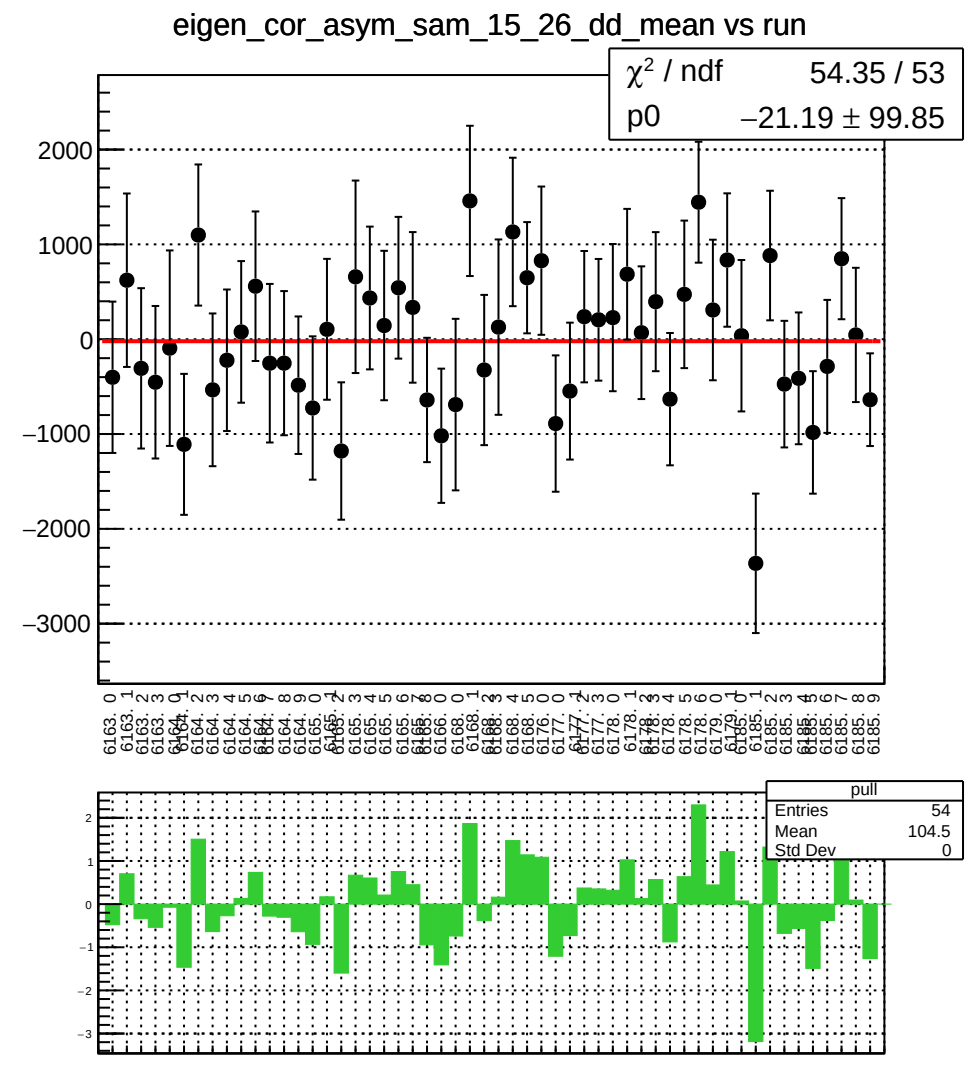

pull1D
Entries 54
Mean 0.008972
Std Dev 1.003

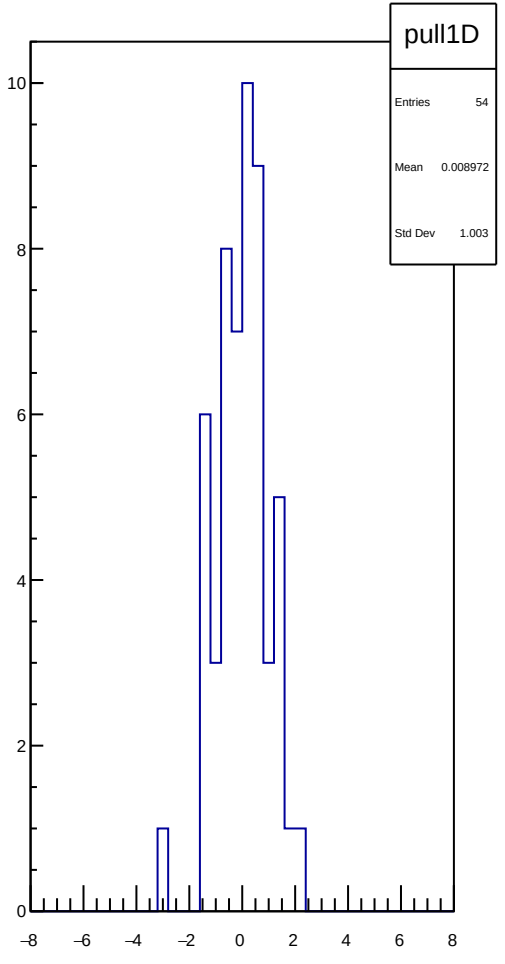

cor_asym_sam_15_26_dd_rms vs run
χ² / ndf 9843 / 53
p0 71.42 ± 0.0706
100
95
90
85
80
75
70
65
60
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

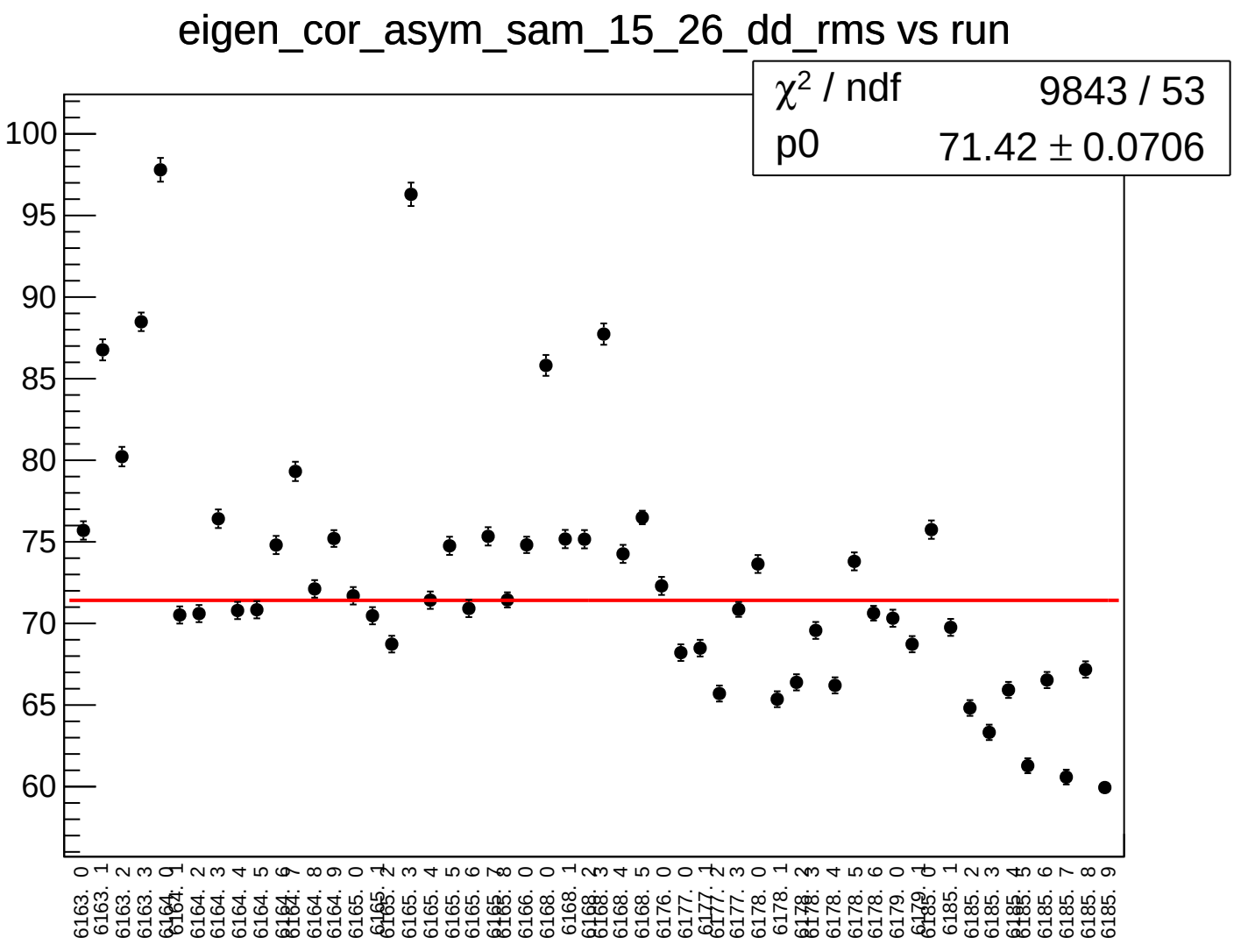

asym_sam_15_26_dd_cor_correction_mean vs run
χ² / ndf 48.8 / 53
p0 −2019 ± 1172
pull
Entries 54
Mean 28.77
Std Dev 29

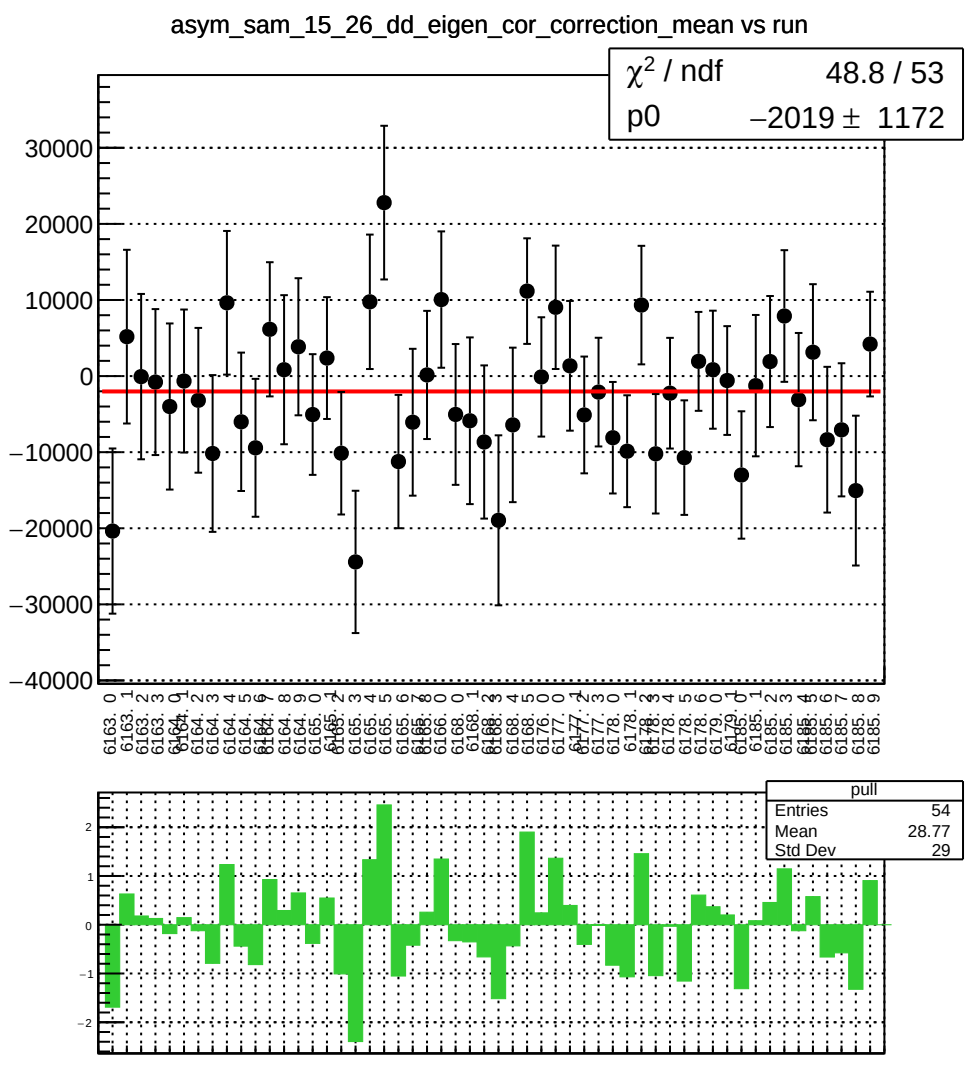

pull1D
Entries 54
Mean −0.02386
Std Dev 0.9503

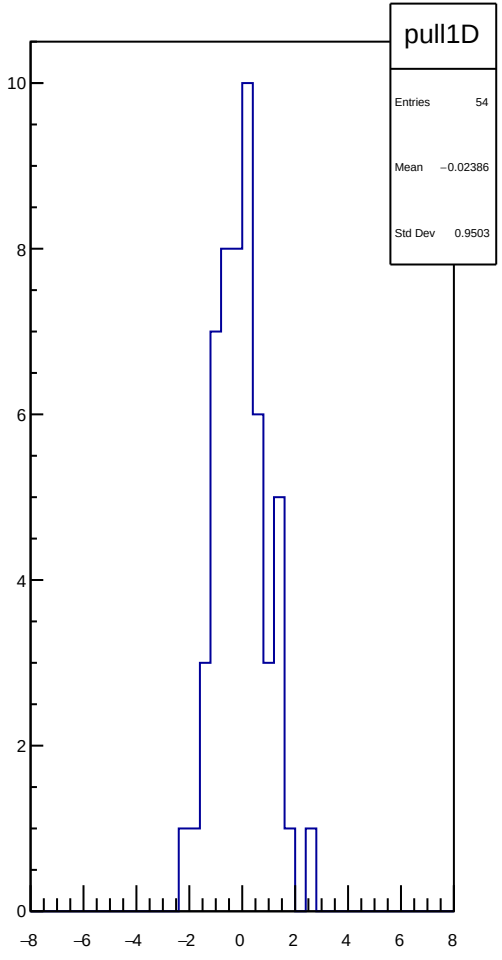

asym_sam_15_26_dd_cor_correction_rms vs run
χ² / ndf 1.542e+04 / 53
p0 835.9 ± 0.8286
1100
1050
1000
950
900
850
800
750
700
650
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

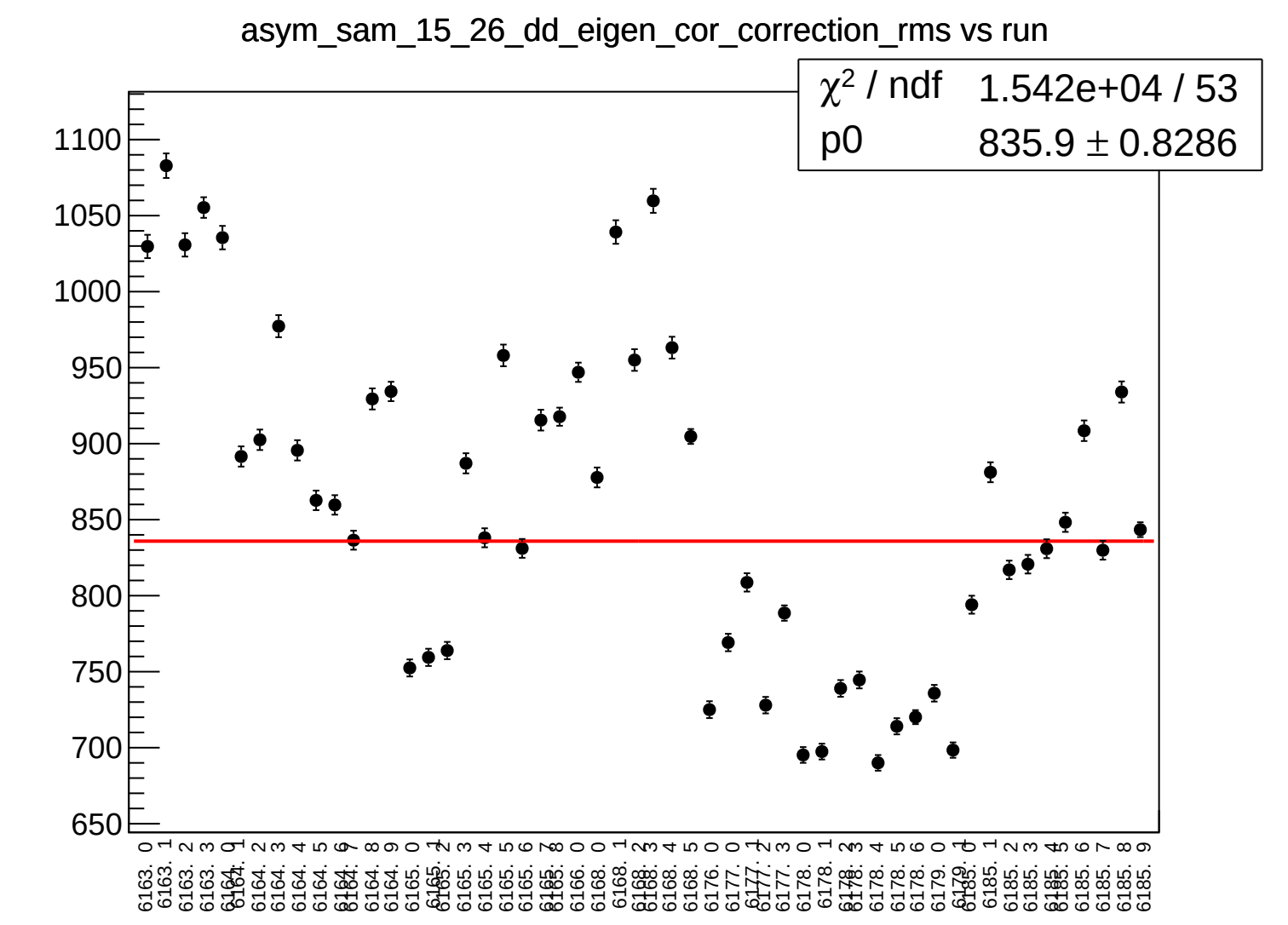

eigen_cor_asym_sam_15_26_dd_mean vs run
χ² / ndf 54.35 / 53
p0 −21.19 ± 99.85
pull
Entries 54
Mean 104.5
Std Dev 0


pull1D
Entries 54
Mean 0.008972
Std Dev 1.003


eigen_cor_asym_sam_15_26_dd_rms vs run
χ² / ndf 9843 / 53
p0 71.42 ± 0.0706
100
95
90
85
80
75
70
65
60
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


asym_sam_15_26_dd_eigen_cor_correction_mean vs run
χ² / ndf 48.8 / 53
p0 −2019 ± 1172
pull
Entries 54
Mean 28.77
Std Dev 29


pull1D
Entries 54
Mean −0.02386
Std Dev 0.9503


asym_sam_15_26_dd_eigen_cor_correction_rms vs run
χ² / ndf 1.542e+04 / 53
p0 835.9 ± 0.8286
1100
1050
1000
950
900
850
800
750
700
650
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
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6179. 0
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6185. 2
6185. 3
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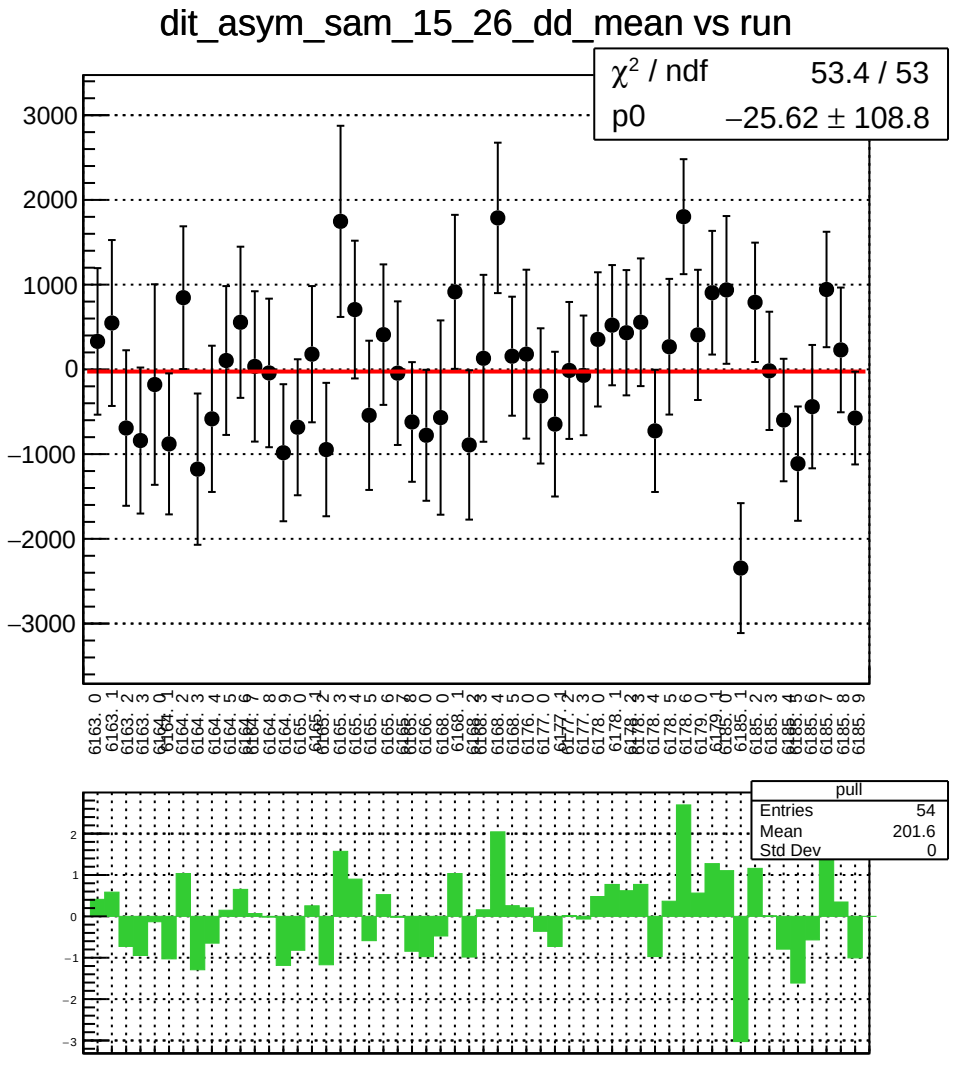
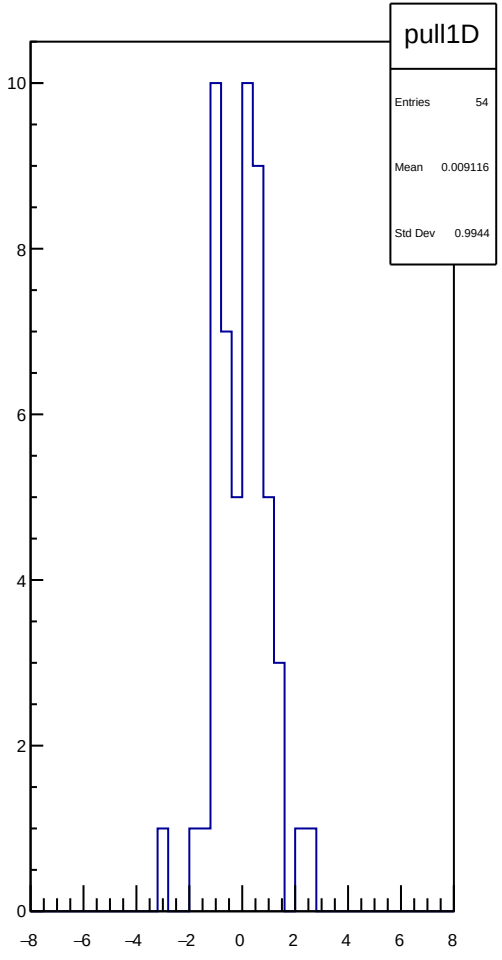
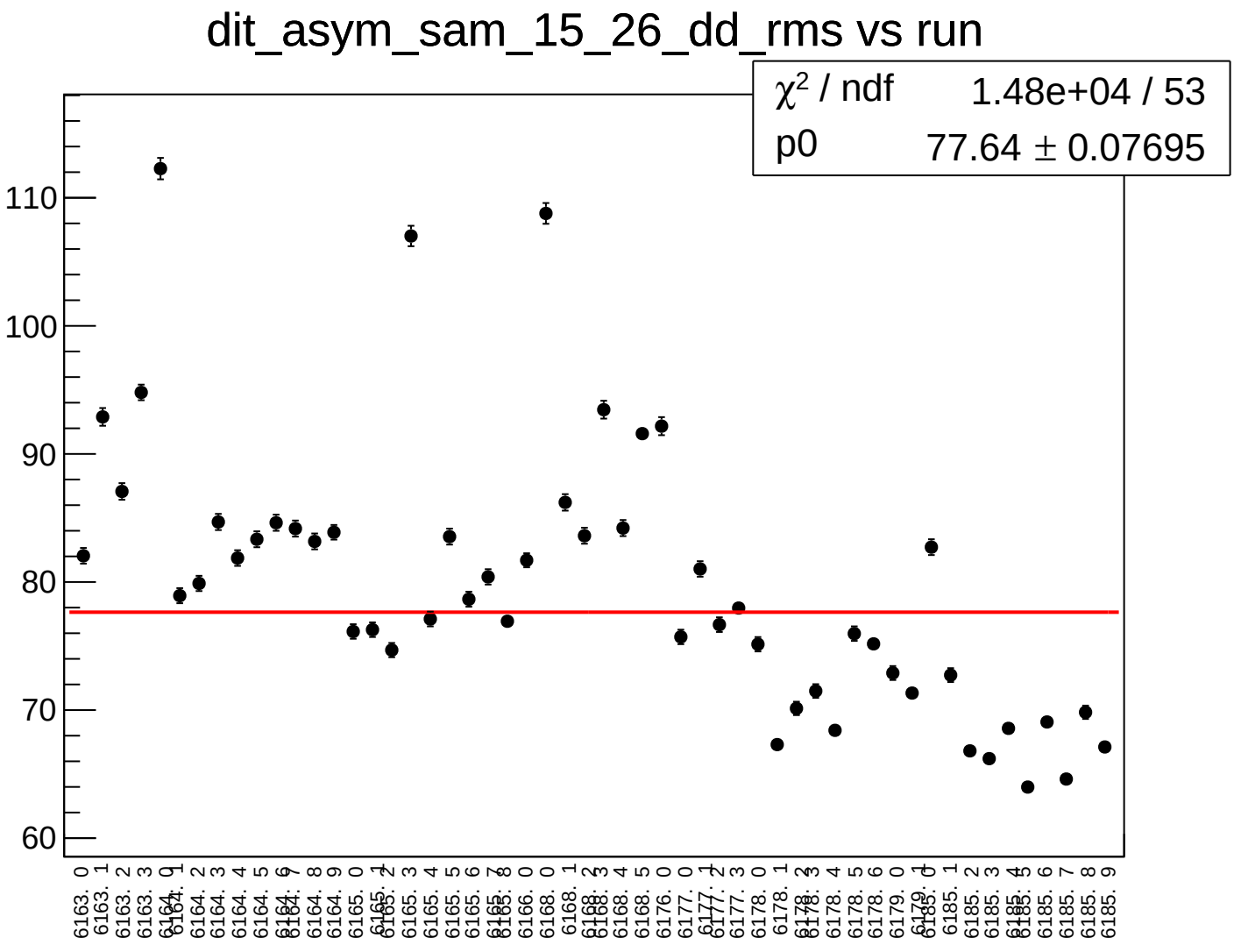
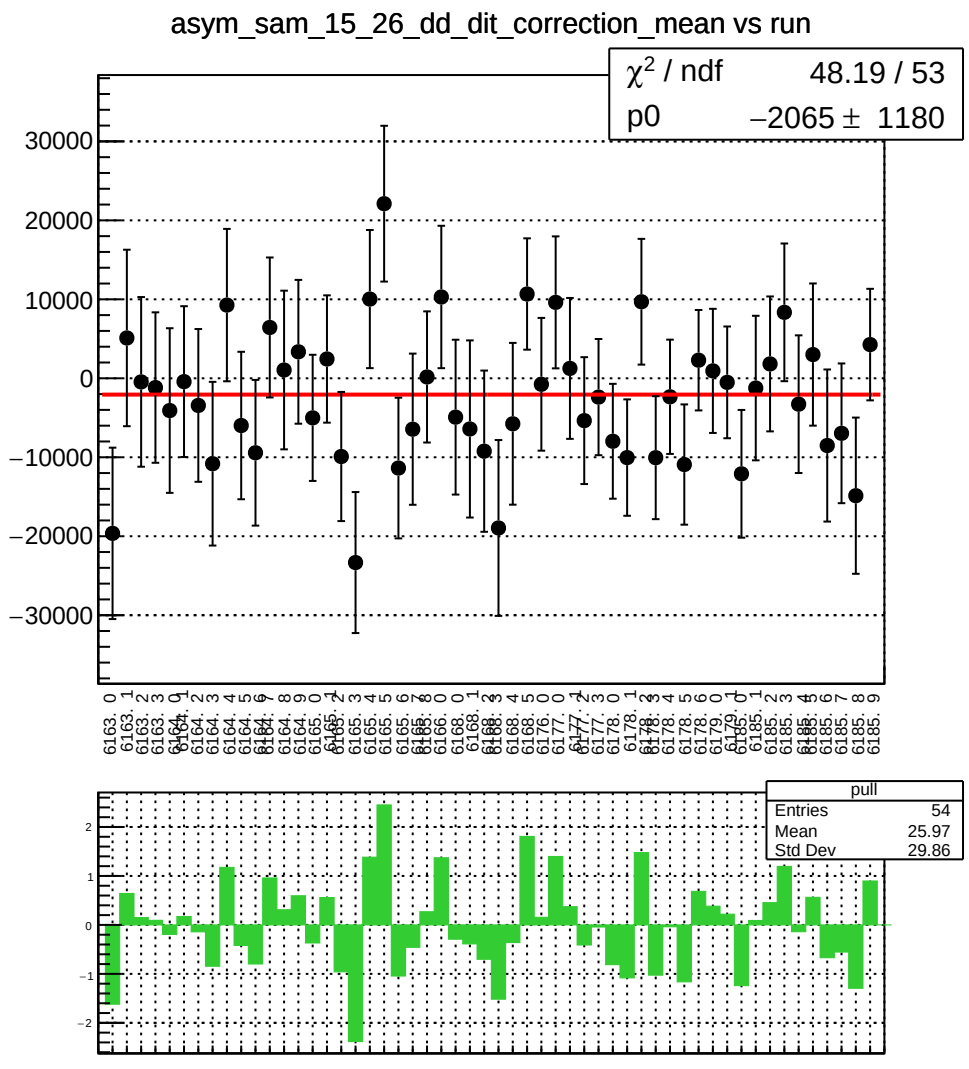
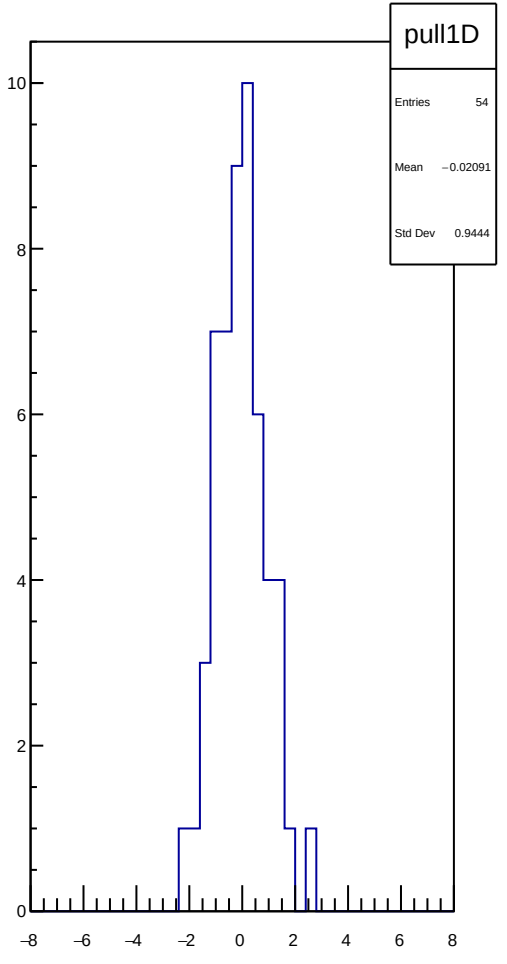
6185. 8
6185. 9

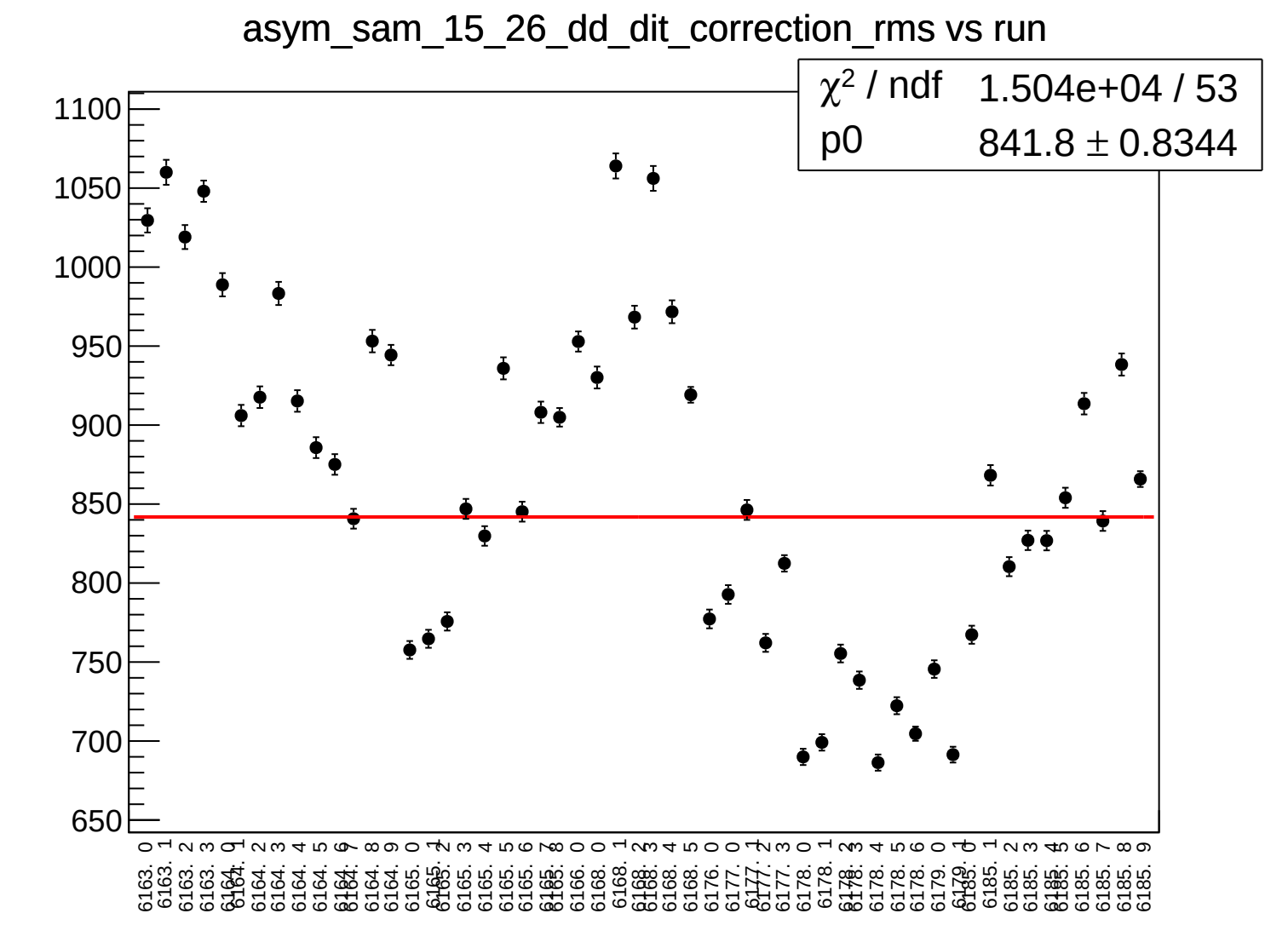

dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 53.4 / 53
p0 −25.62 ± 108.8
pull
Entries 54
Mean 201.6
Std Dev 0

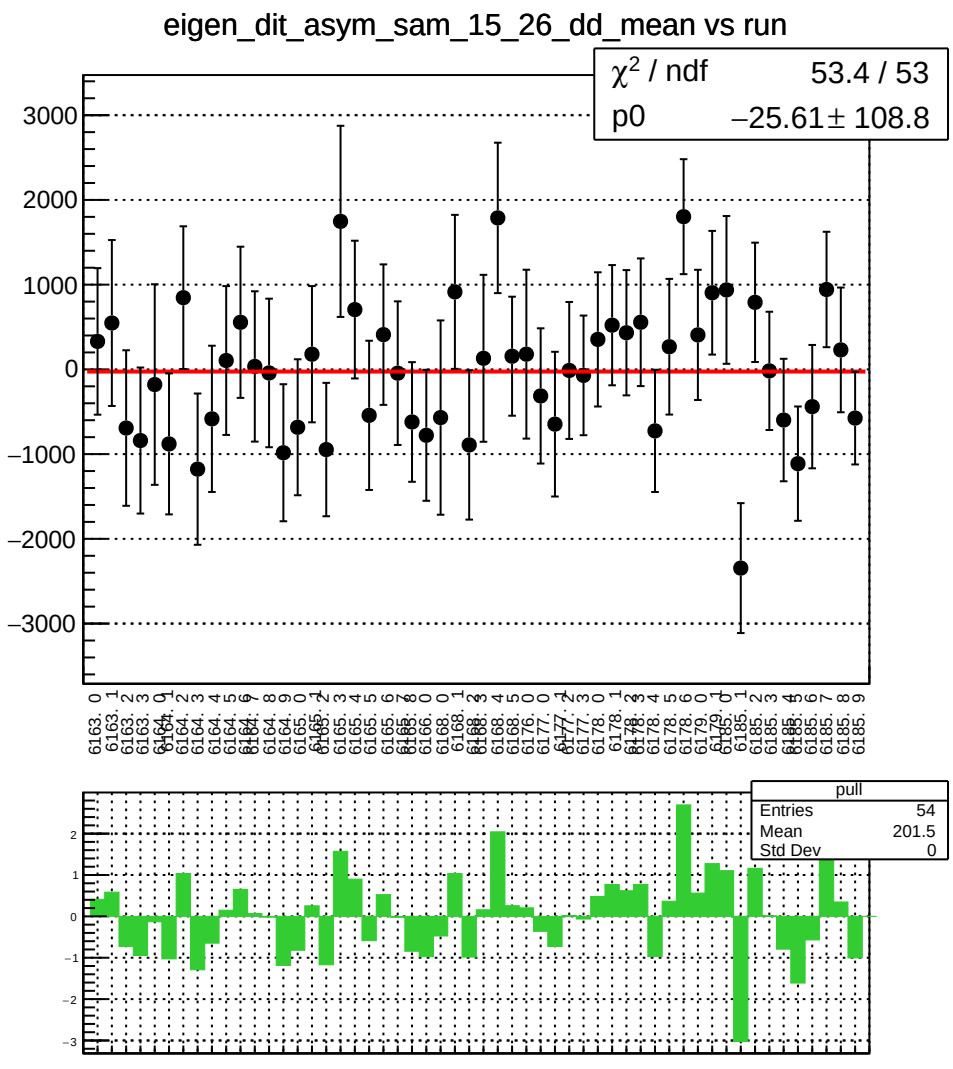

pull1D
Entries 54
Mean 0.009116
Std Dev 0.9944

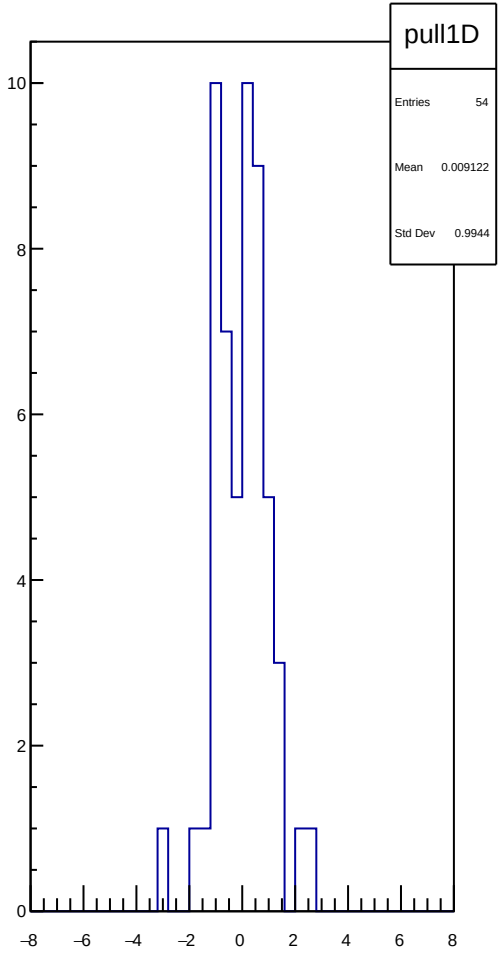

dit_asym_sam_15_26_dd_rms vs run
χ² / ndf 1.48e+04 / 53
p0 77.64 ± 0.07695
110
100
90
80
70
60
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

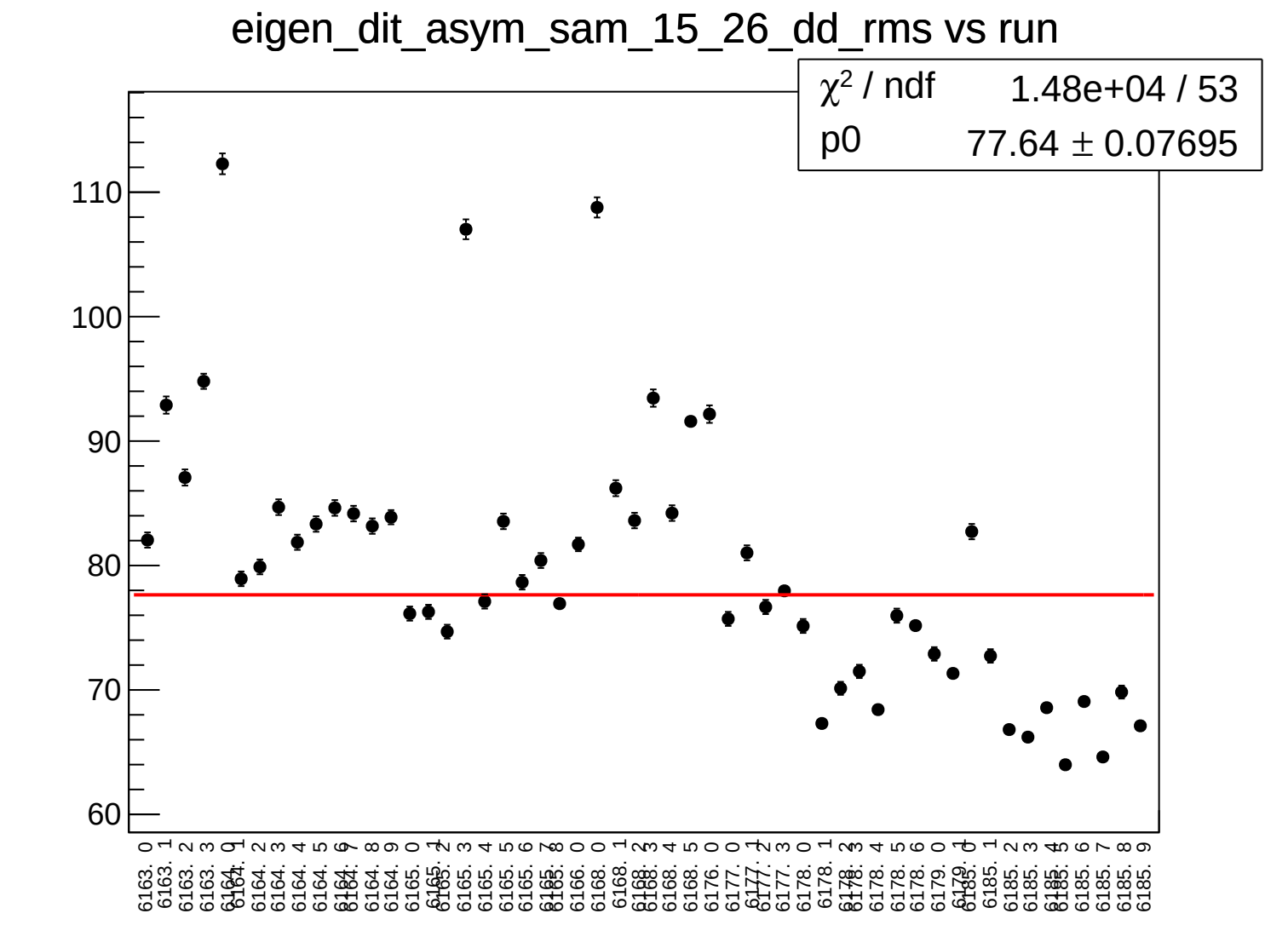

asym_sam_15_26_dd_dit_correction_mean vs run
χ² / ndf 48.19 / 53
p0 −2065 ± 1180
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 54
Mean 25.97
Std Dev 29.86
2
1
0
−1
−2

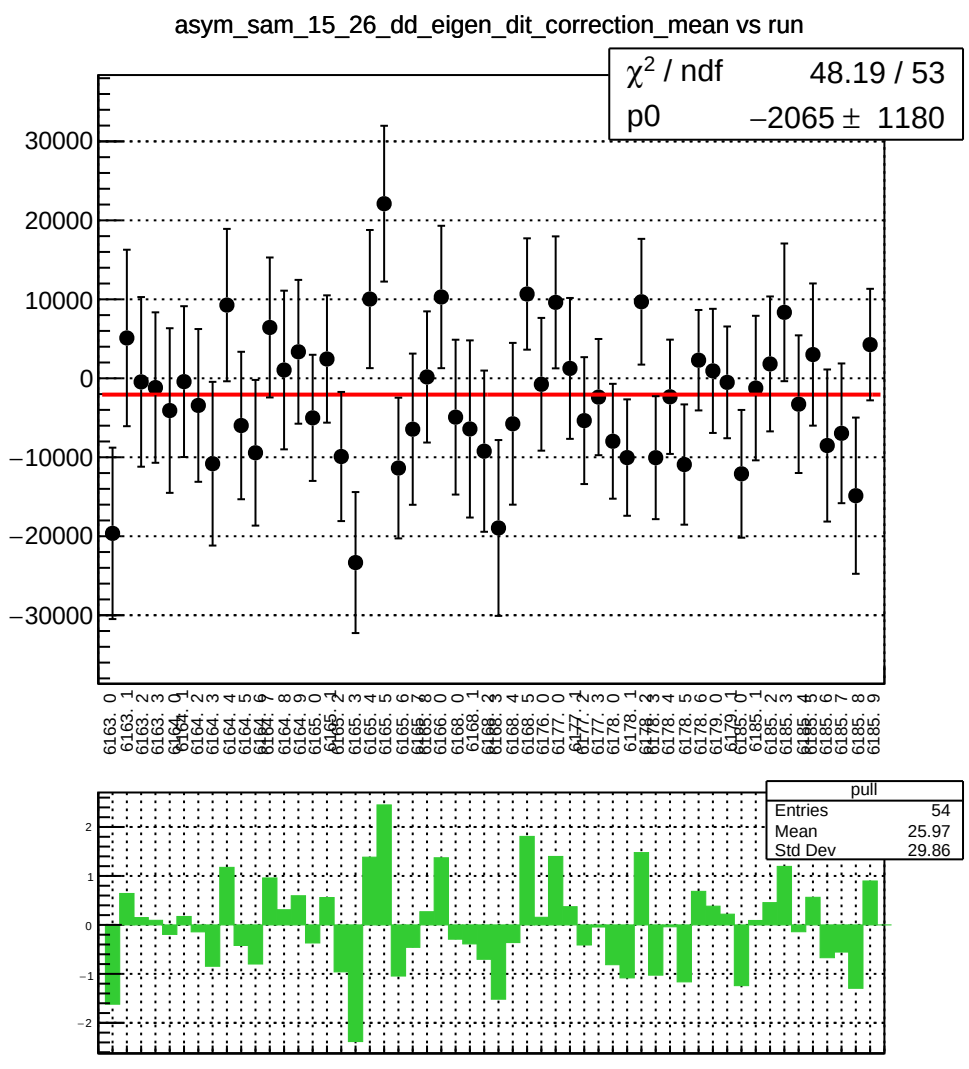

pull1D
Entries 54
Mean −0.02091
Std Dev 0.9444
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

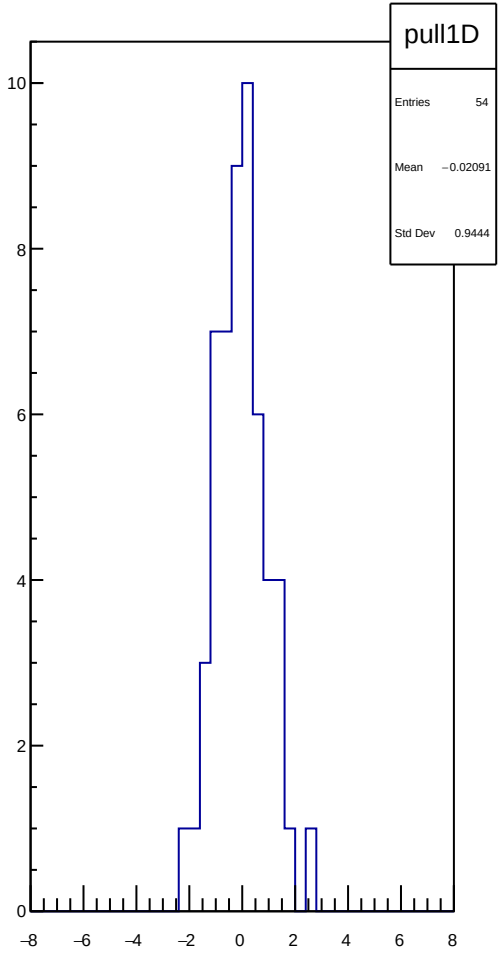

asym_sam_15_26_dd_dit_correction_rms vs run
χ² / ndf 1.504e+04 / 53
p0 841.8 ± 0.8344
1100
1050
1000
950
900
850
800
750
700
650
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

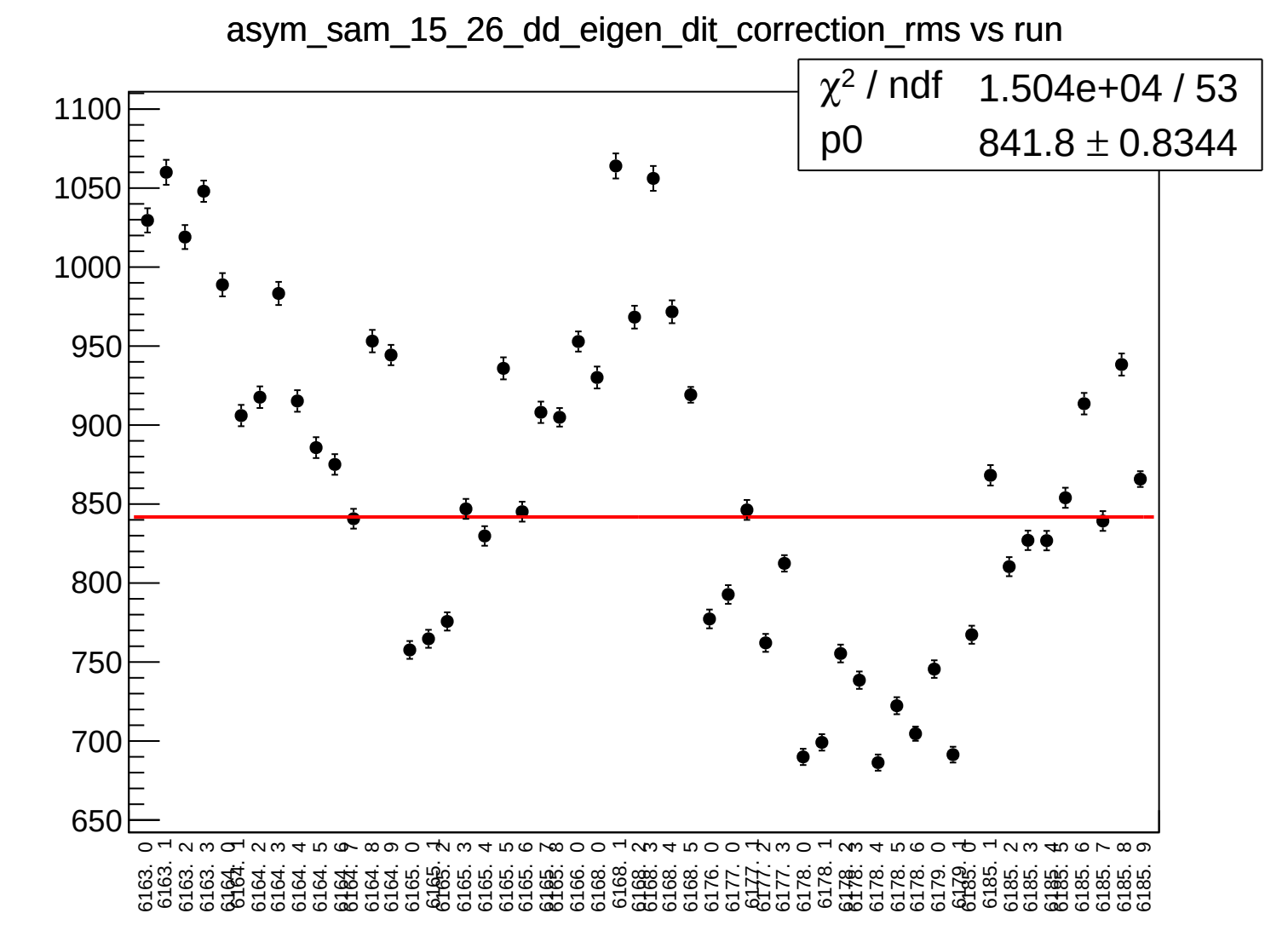

eigen_dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 53.4 / 53
p0 −25.61± 108.8
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 54
Mean 201.5
Std Dev 0
2
1
0
−1
−2
−3

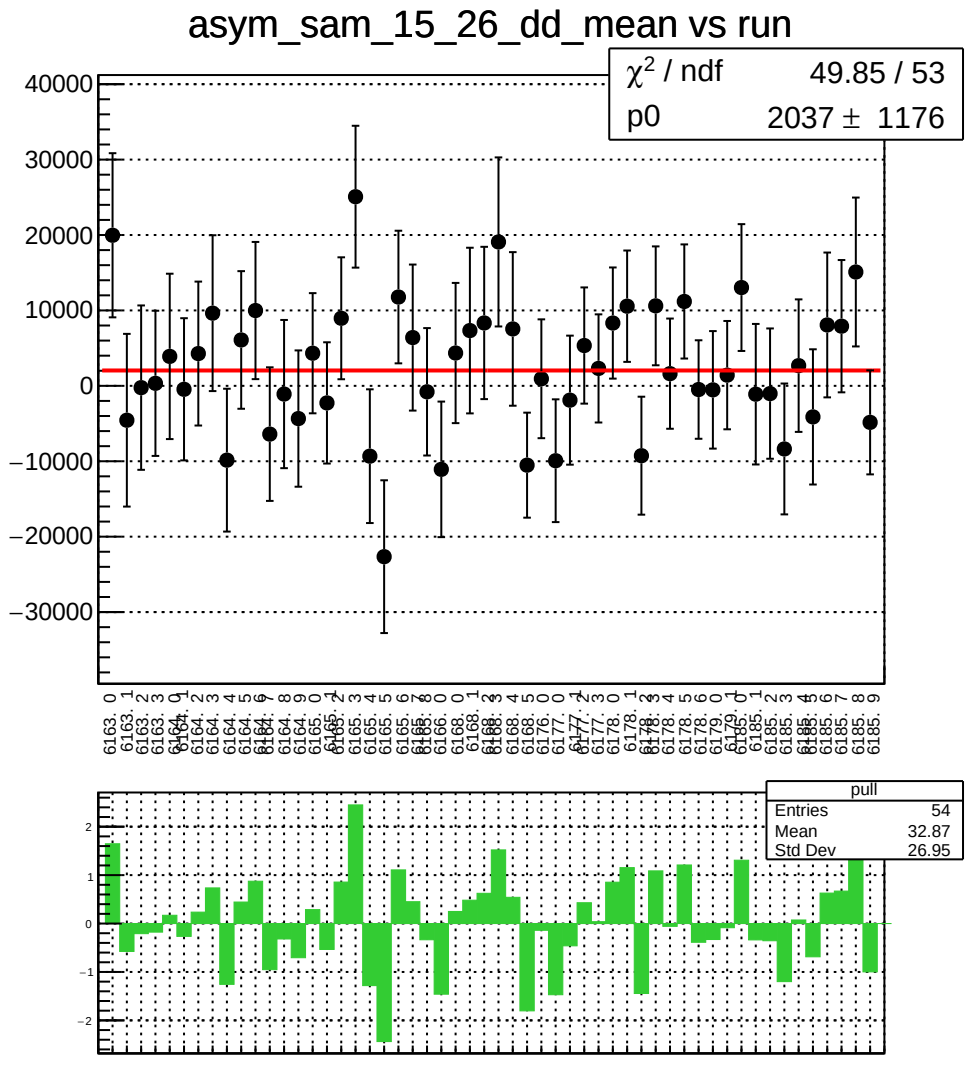

pull1D
Entries 54
Mean 0.009122
Std Dev 0.9944
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

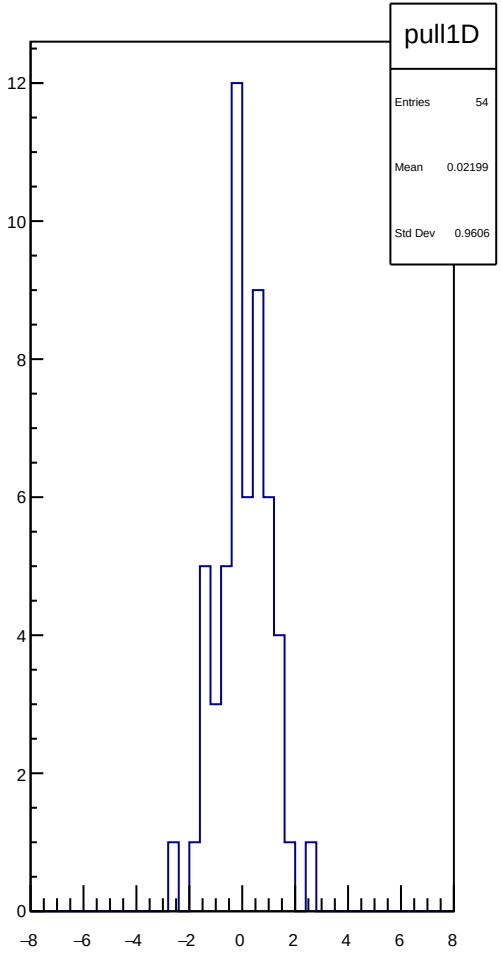

eigen_dit_asym_sam_15_26_dd_rms vs run
χ² / ndf 1.48e+04 / 53
p0 77.64 ± 0.07695
110
100
90
80
70
60
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

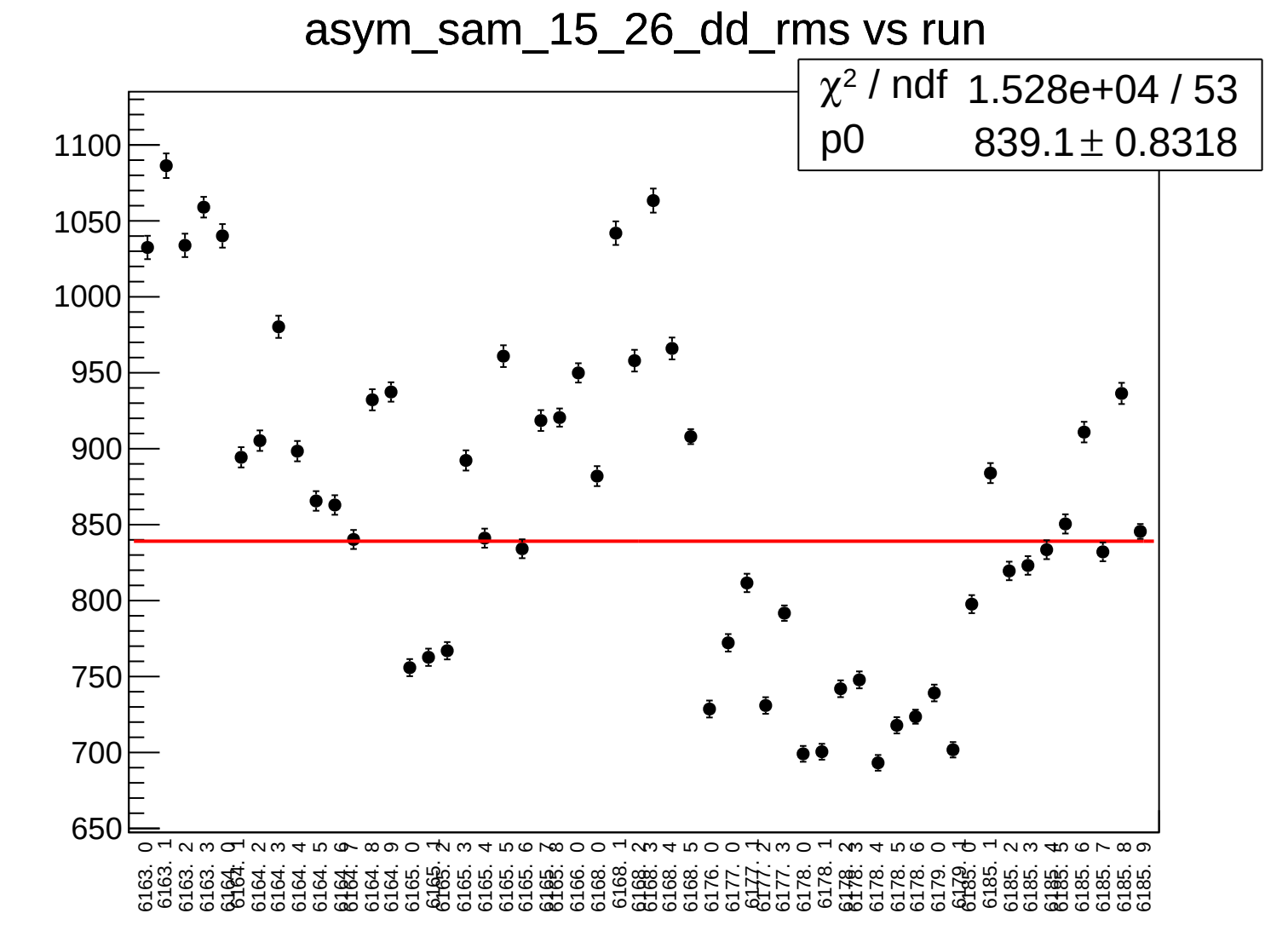

asym_sam_15_26_dd_eigen_dit_correction_mean vs run
χ² / ndf 48.19 / 53
p0 −2065 ± 1180
pull
Entries 54
Mean 25.97
Std Dev 29.86

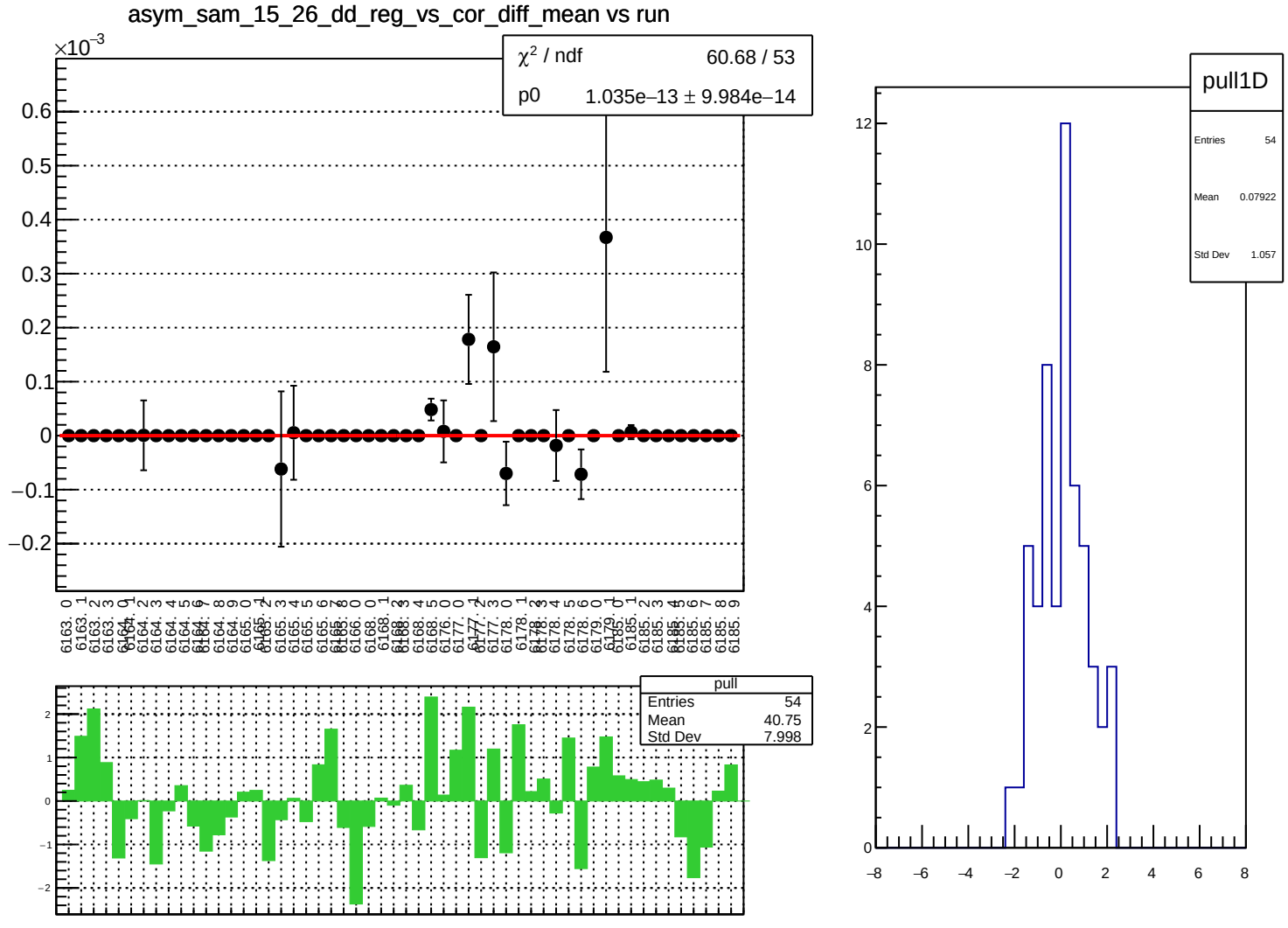

pull1D
Entries 54
Mean −0.02091
Std Dev 0.9444

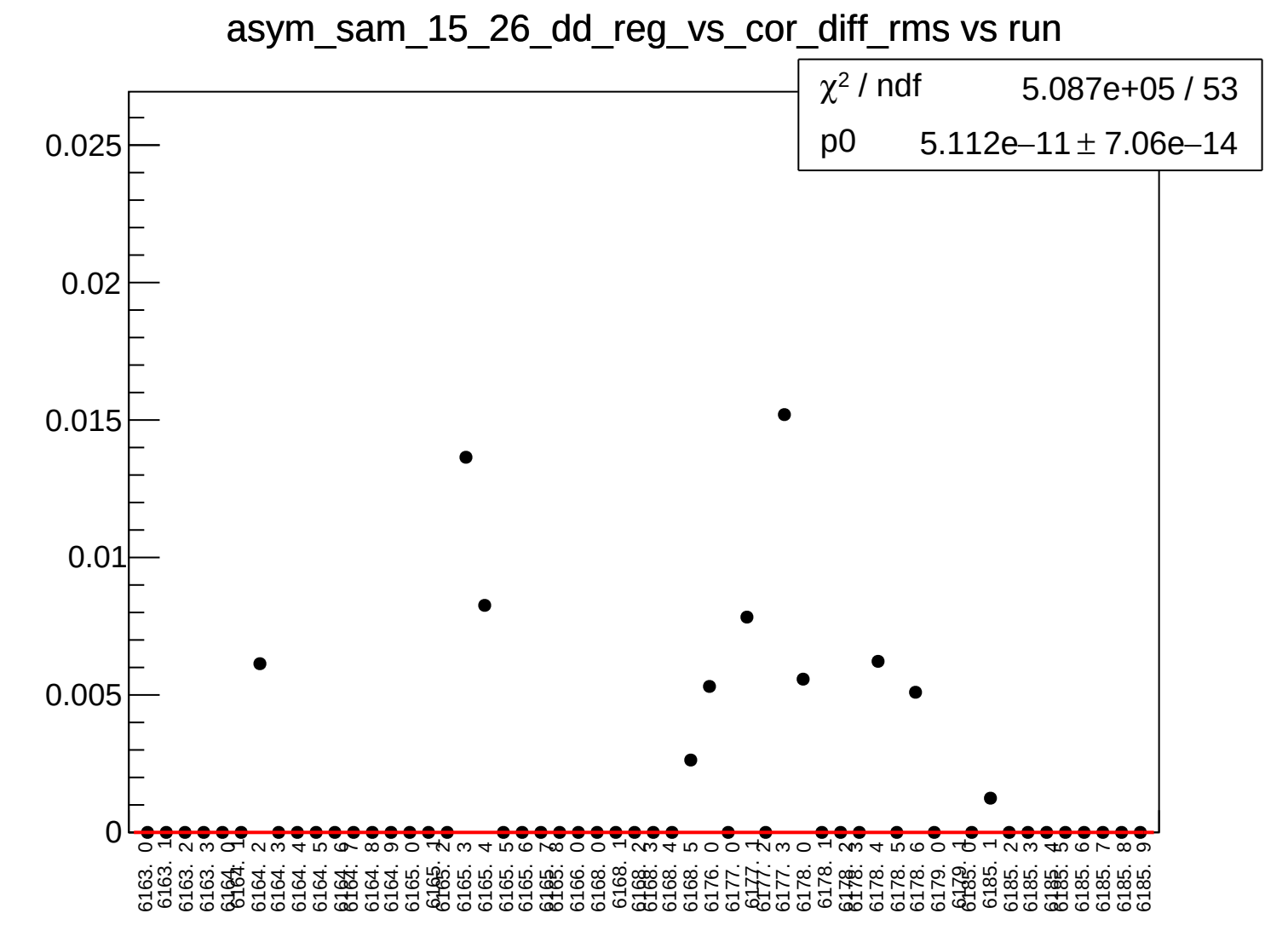

asym_sam_15_26_dd_eigen_dit_correction_rms vs run
χ² / ndf 1.504e+04 / 53
p0 841.8 ± 0.8344
1100
1050
1000
950
900
850
800
750
700
650
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

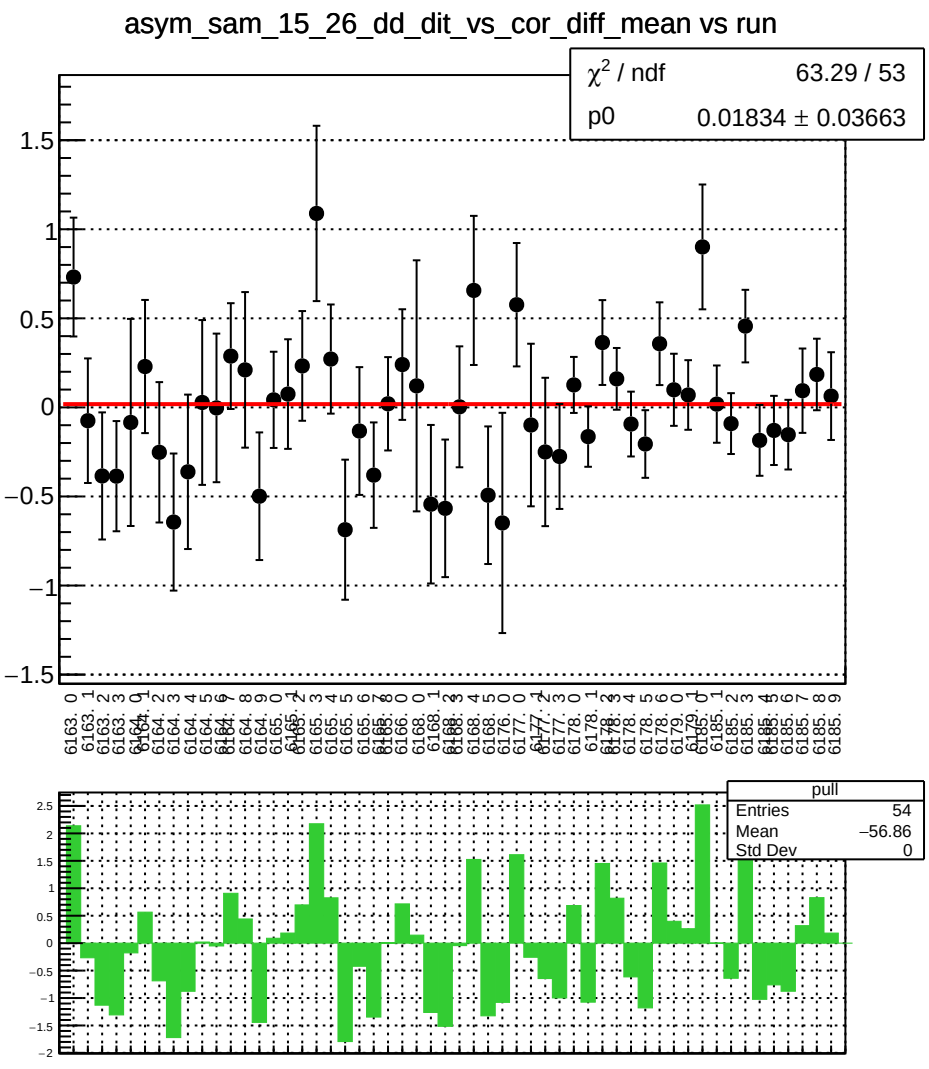

asym_sam_15_26_dd_mean vs run
χ² / ndf 49.85 / 53
p0 2037 ± 1176
pull
Entries 54
Mean 32.87
Std Dev 26.95

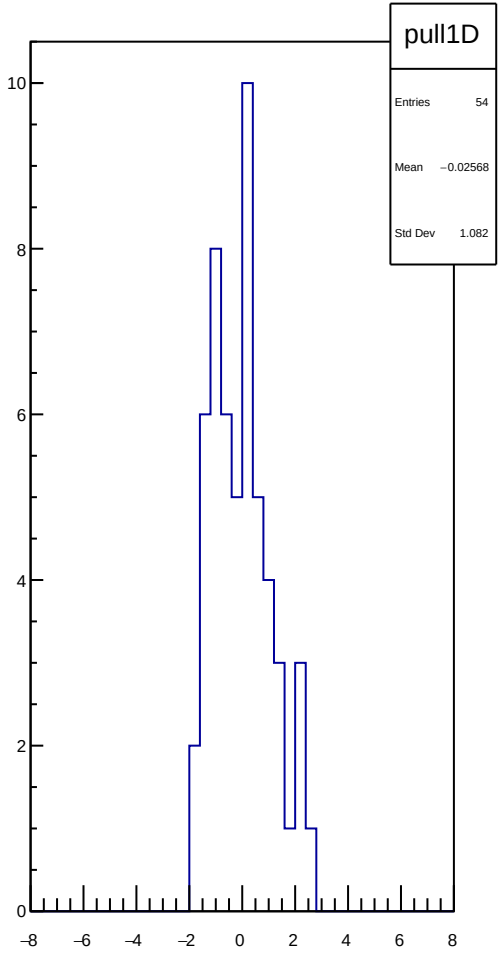

pull1D
Entries 54
Mean 0.02199
Std Dev 0.9606

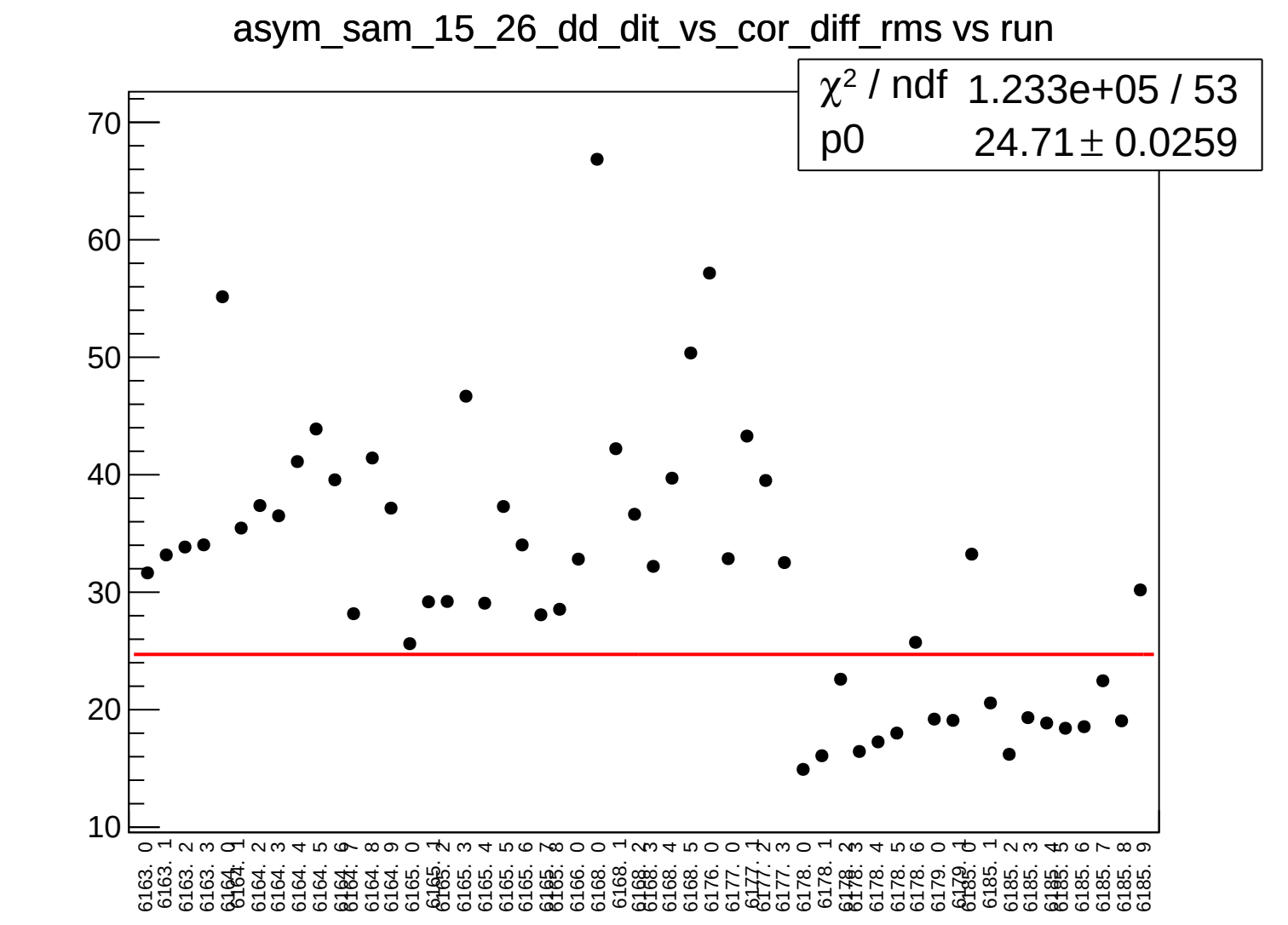

asym_sam_15_26_dd_rms vs run
χ² / ndf 1.528e+04 / 53
p0 839.1 ± 0.8318
1100
1050
1000
950
900
850
800
750
700
650
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

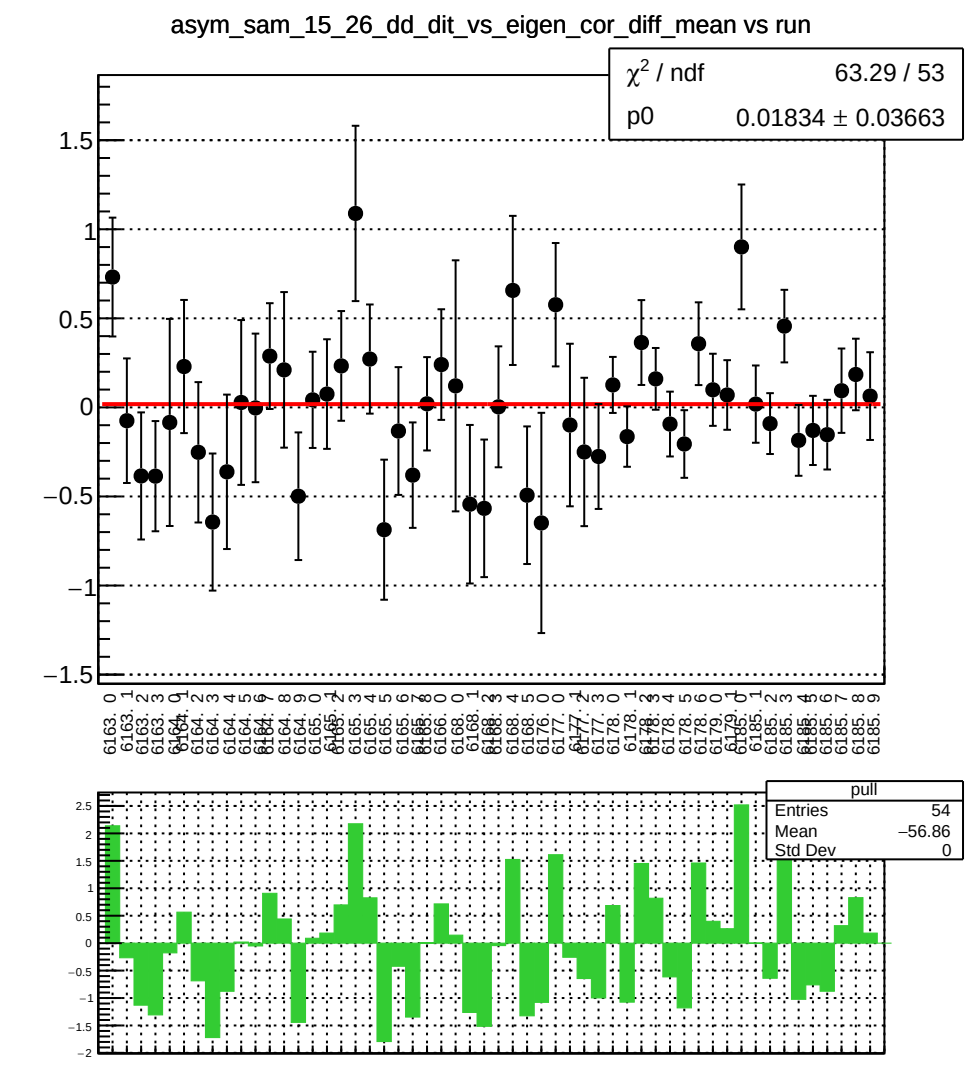

asym_sam_15_26_dd_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 60.68 / 53
p0 1.035e−13 ± 9.984e−14
0.6
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
pull
Entries 54
Mean 40.75
Std Dev 7.998
pull1D
Entries 54
Mean 0.07922
Std Dev 1.057
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

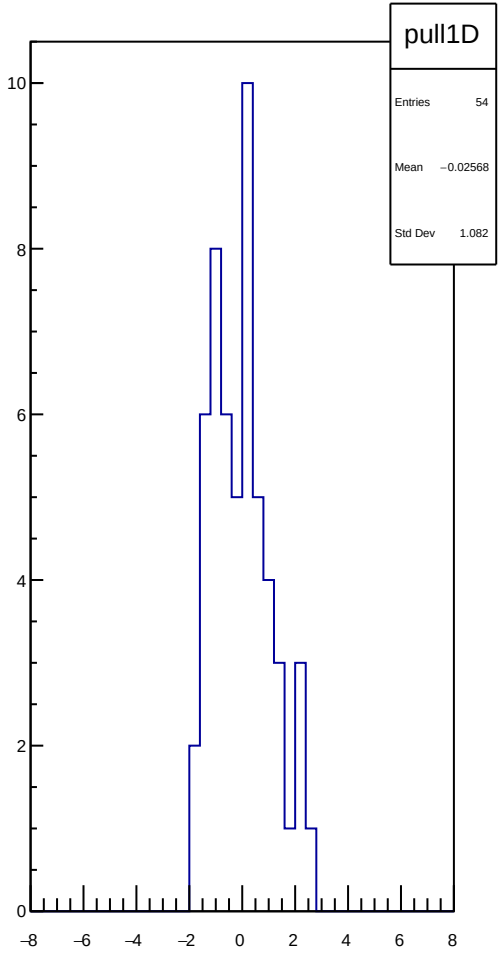

asym_sam_15_26_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.087e+05 / 53
p0 5.112e−11 ± 7.06e−14
0.025
0.02
0.015
0.01
0.005
0
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 3
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

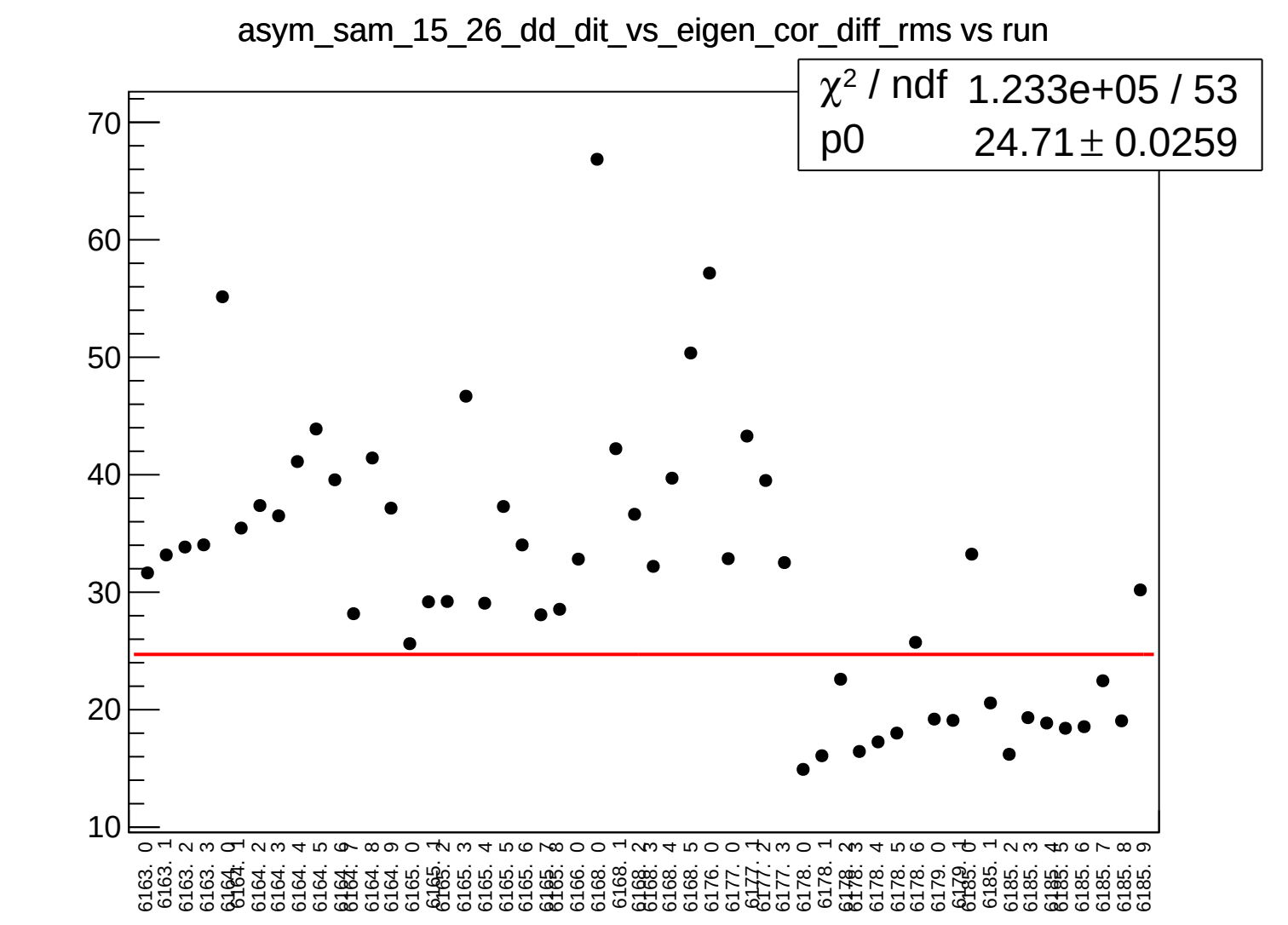

asym_sam_15_26_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 63.29 / 53
p0 0.01834 ± 0.03663
pull
Entries 54
Mean −56.86
Std Dev 0

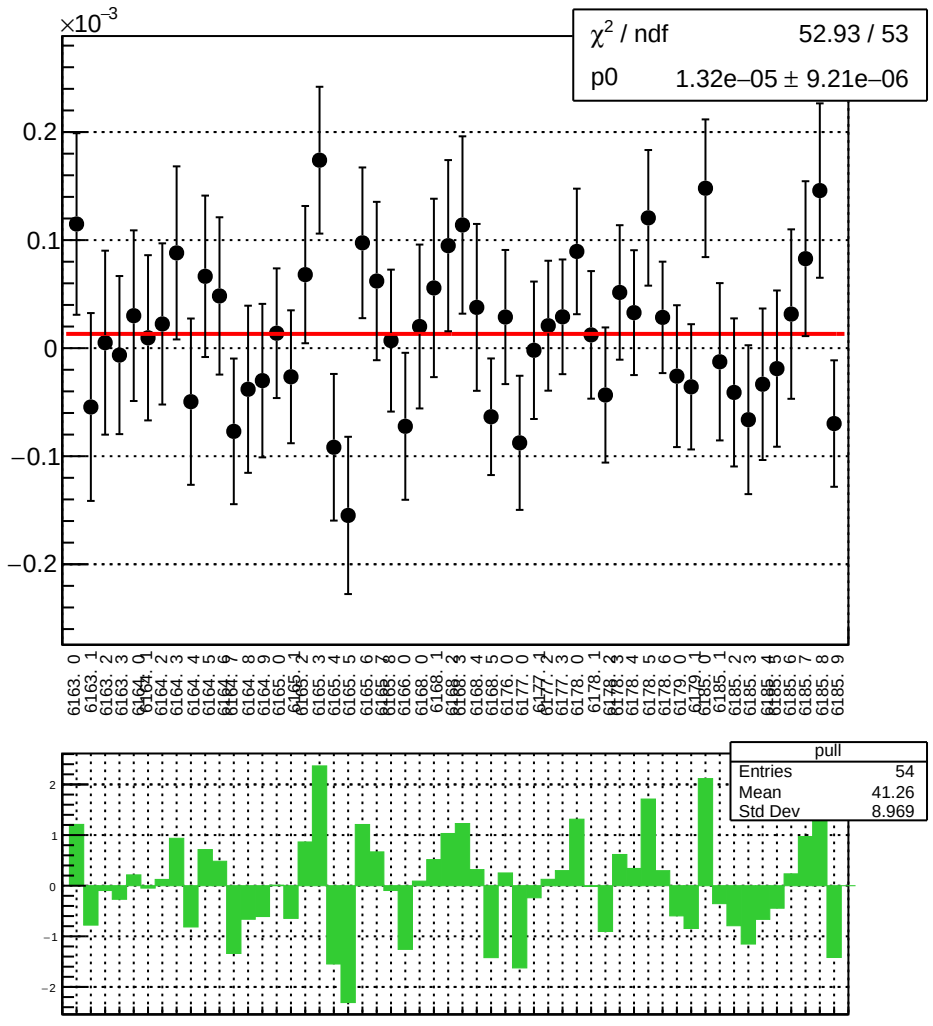

pull1D
Entries 54
Mean −0.02568
Std Dev 1.082

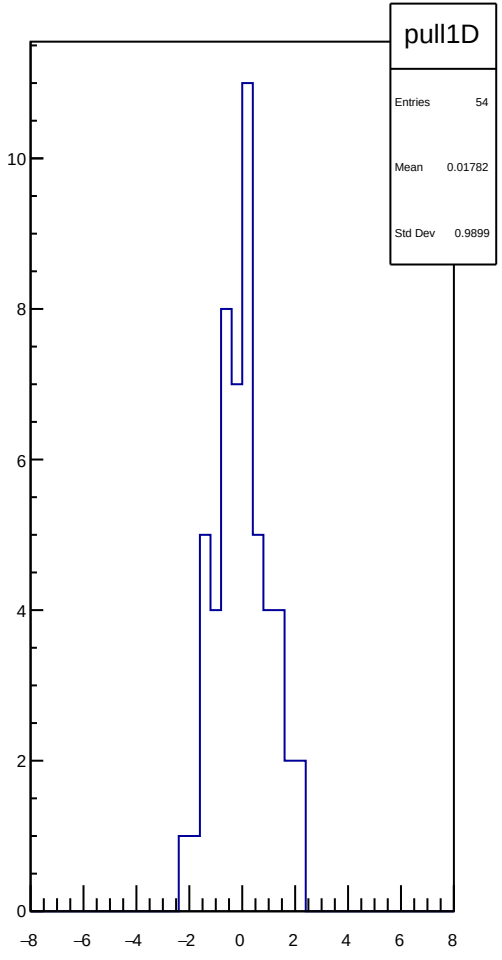

asym_sam_15_26_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.233e+05 / 53
p0 24.71 ± 0.0259
70
60
50
40
30
20
10
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

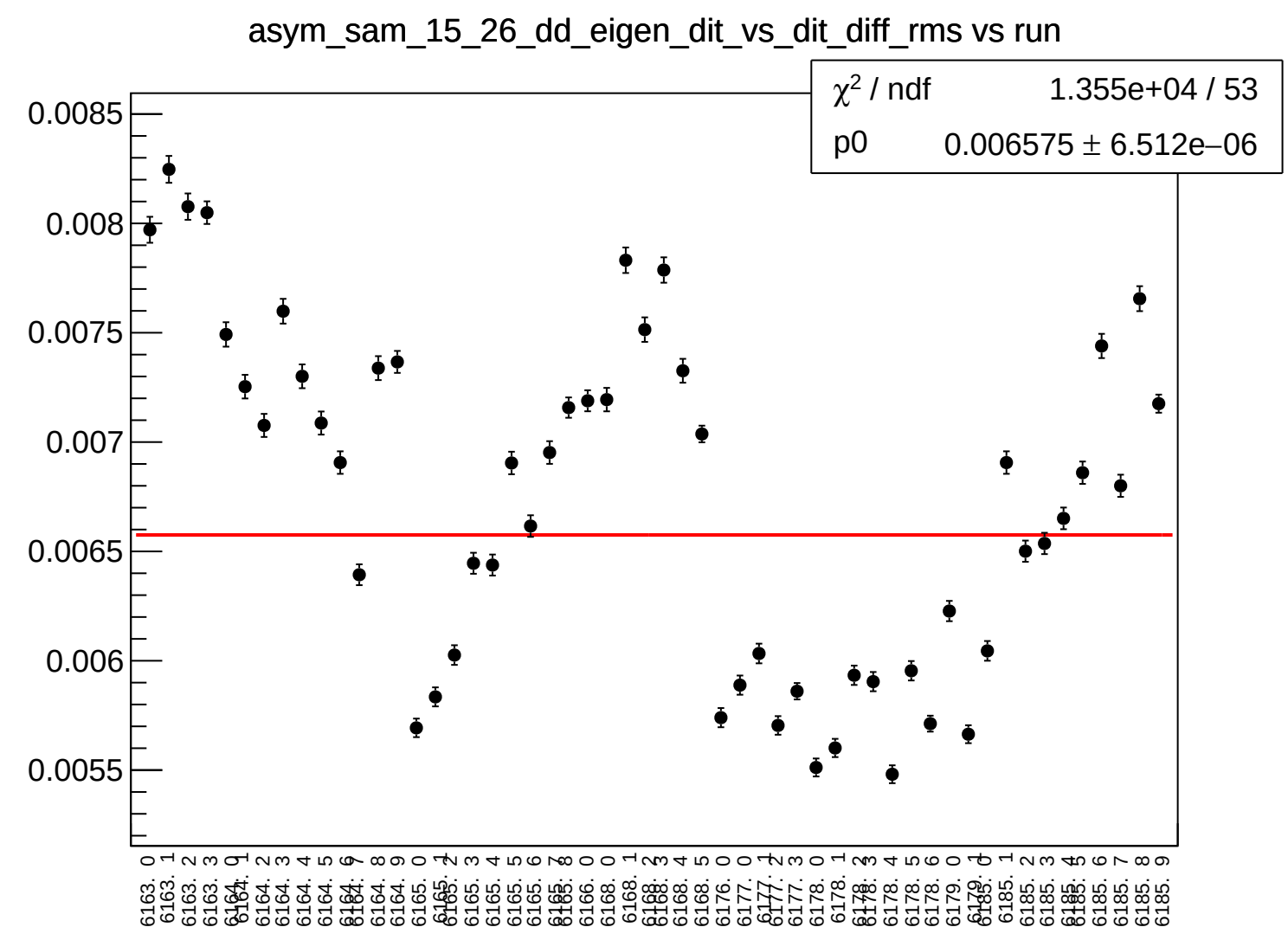

asym_sam_15_26_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 63.29 / 53
p0 0.01834 ± 0.03663
pull
Entries 54
Mean −56.86
Std Dev 0

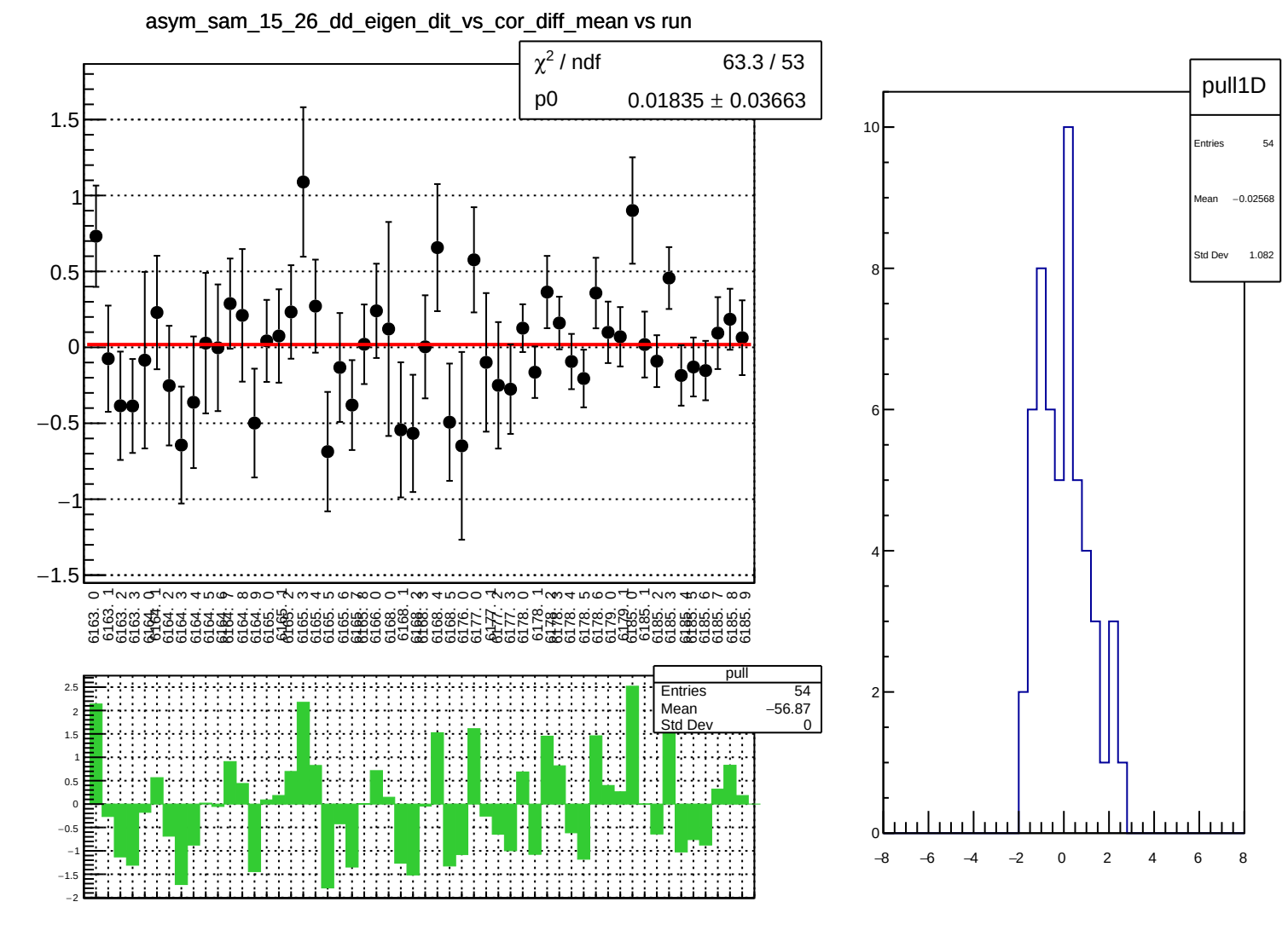

pull1D
Entries 54
Mean −0.02568
Std Dev 1.082

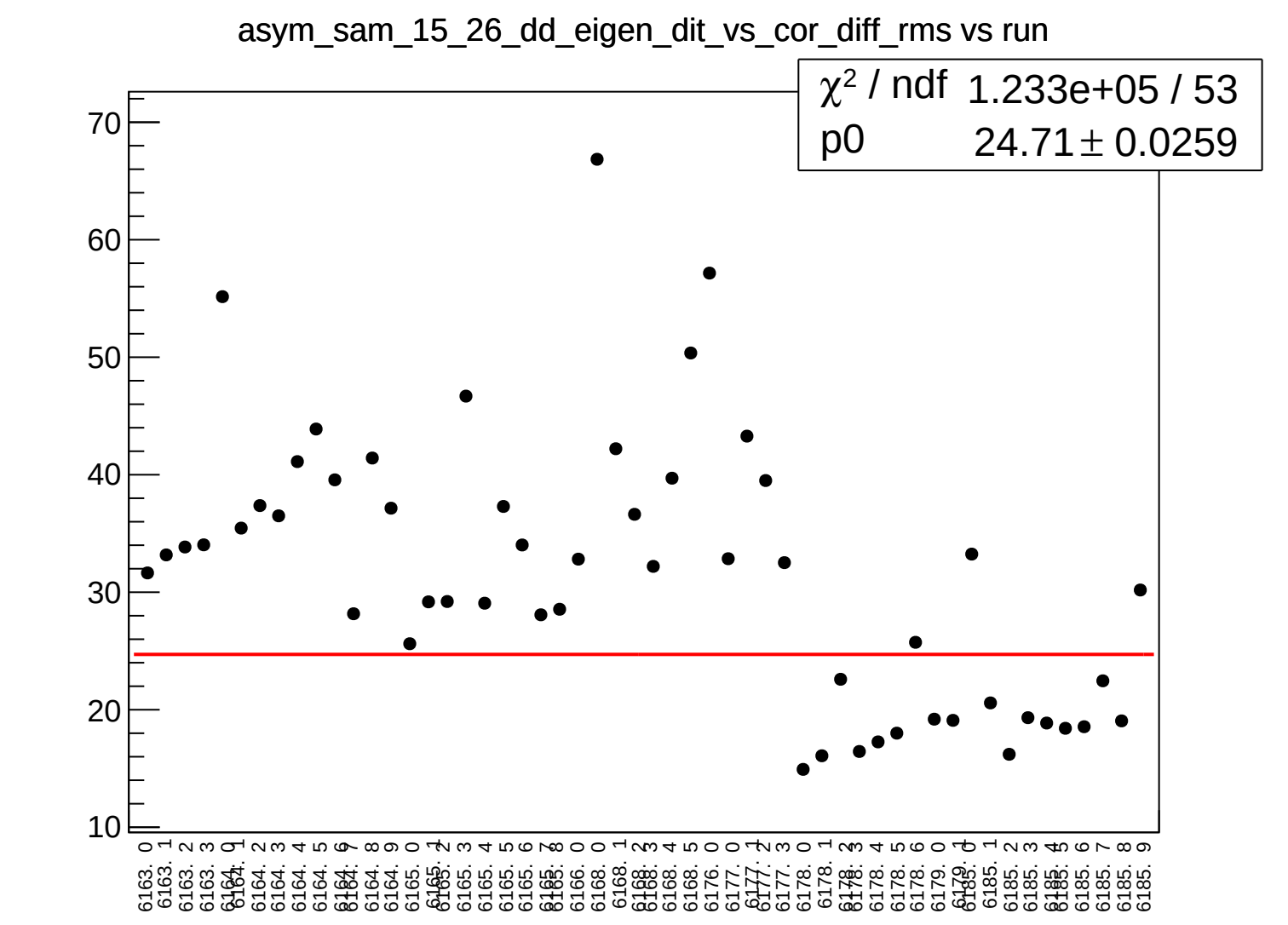

asym_sam_15_26_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.233e+05 / 53
p0 24.71 ± 0.0259
70
60
50
40
30
20
10
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

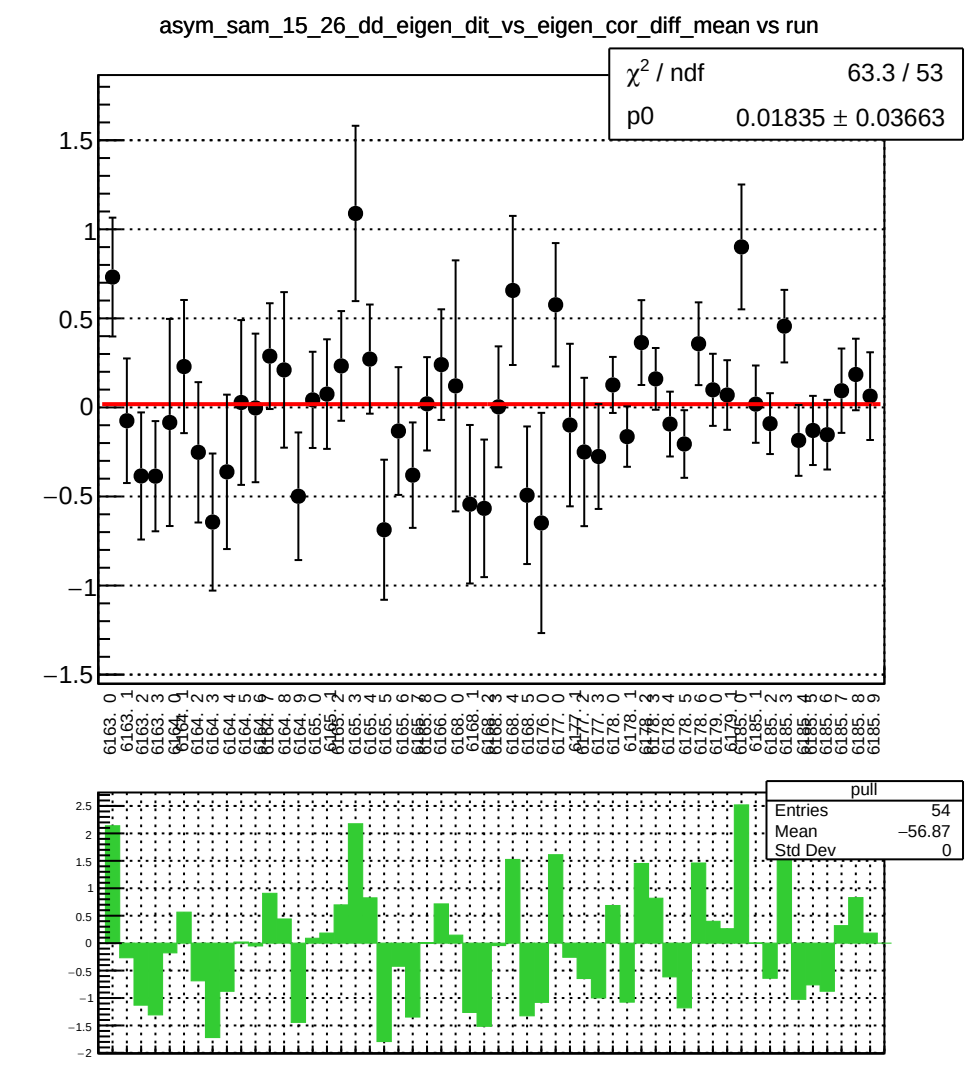

asym_sam_15_26_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 52.93 / 53
p0 1.32e−05 ± 9.21e−06
pull
Entries 54
Mean 41.26
Std Dev 8.969

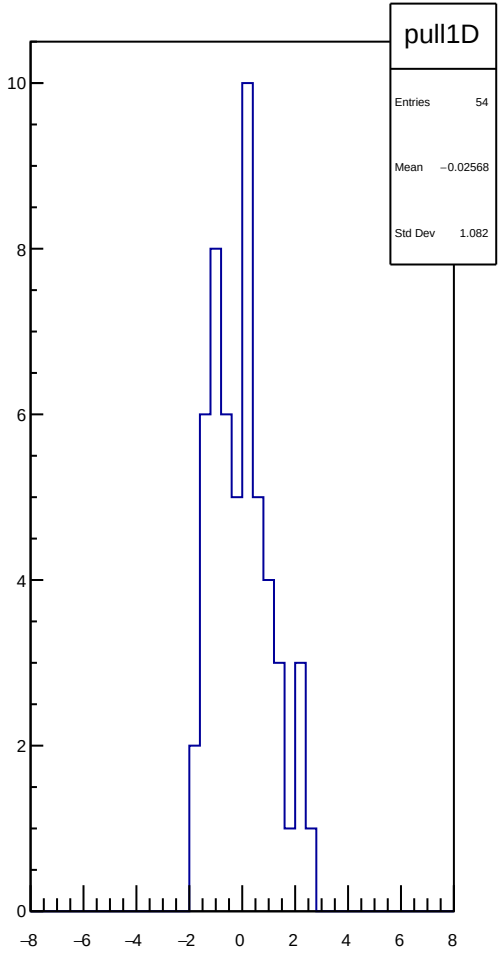

pull1D
Entries 54
Mean 0.01782
Std Dev 0.9899

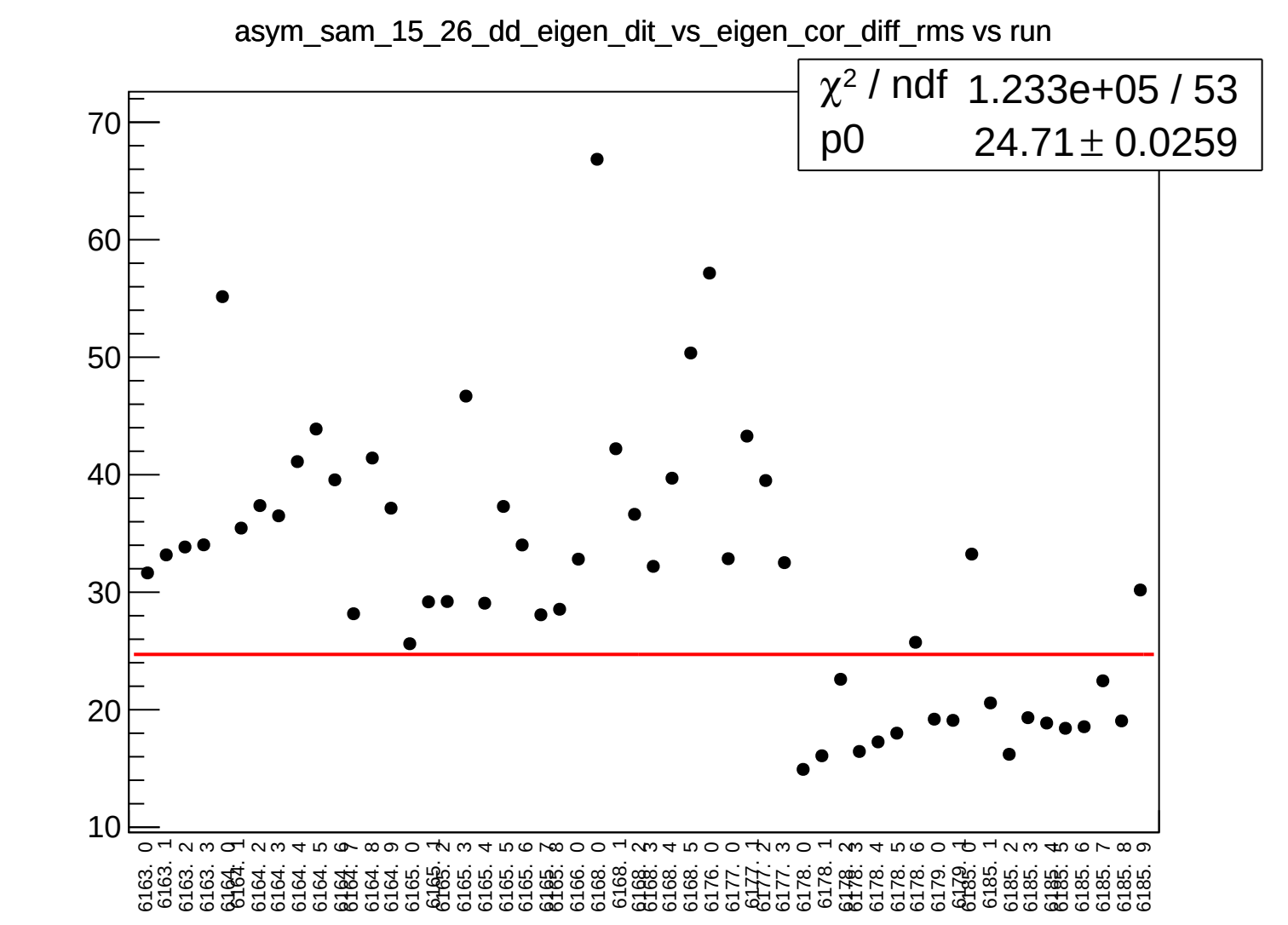

asym_sam_15_26_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.355e+04 / 53
p0 0.006575 ± 6.512e−06
0.0085
0.008
0.0075
0.007
0.0065
0.006
0.0055
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

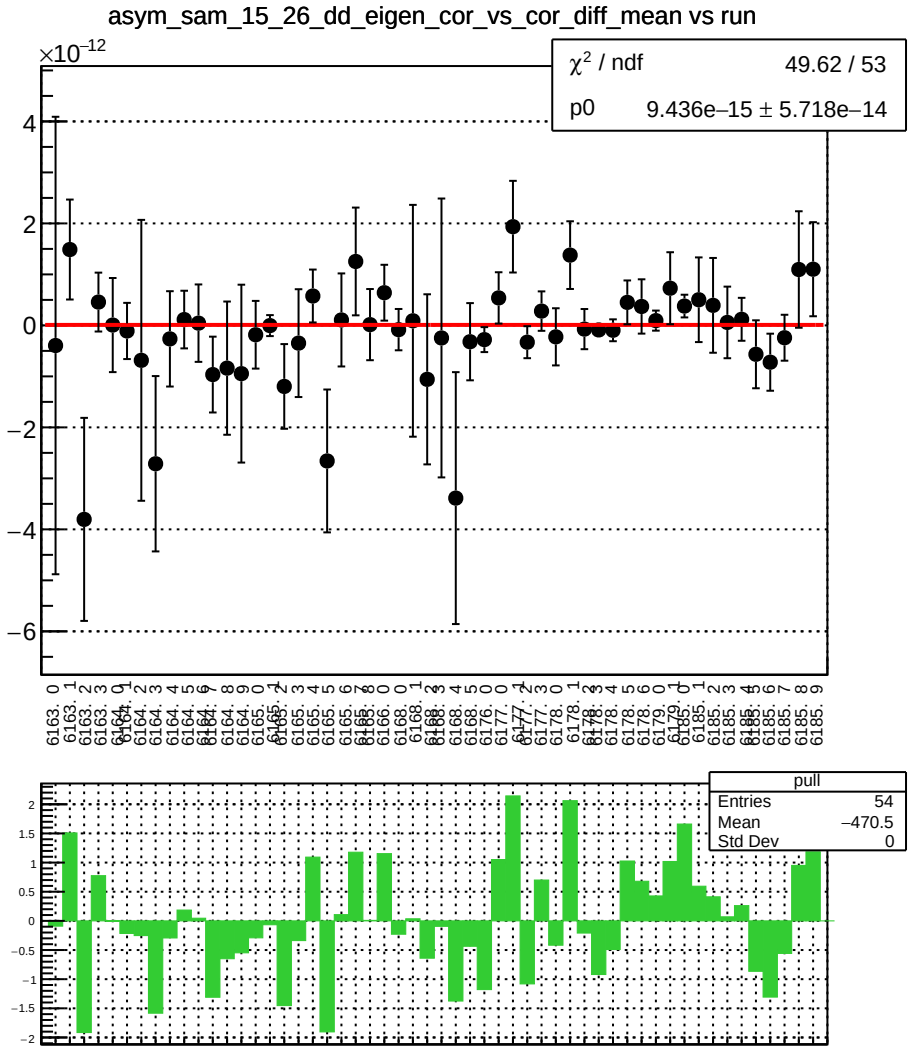

asym_sam_15_26_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 63.3 / 53
p0 0.01835 ± 0.03663
pull
Entries 54
Mean −56.87
Std Dev 0
pull1D
Entries 54
Mean −0.02568
Std Dev 1.082

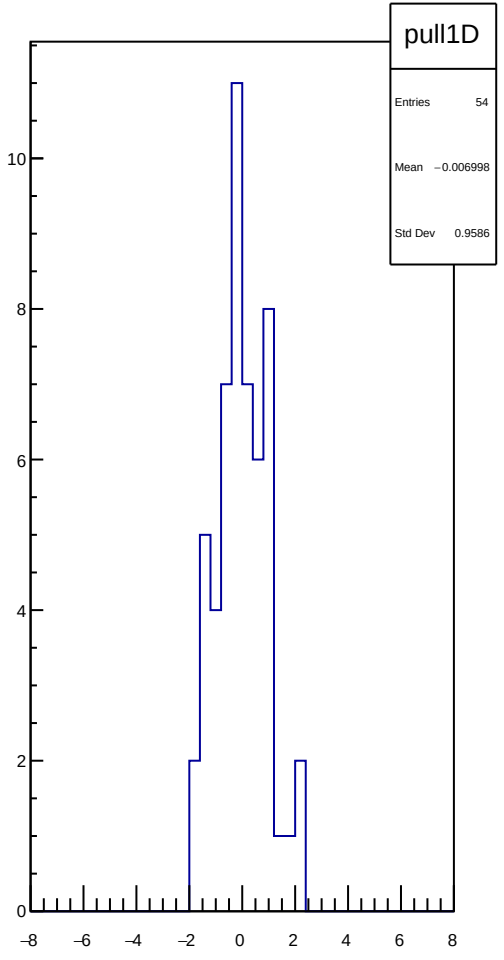

asym_sam_15_26_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.233e+05 / 53
p0 24.71 ± 0.0259
70
60
50
40
30
20
10
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

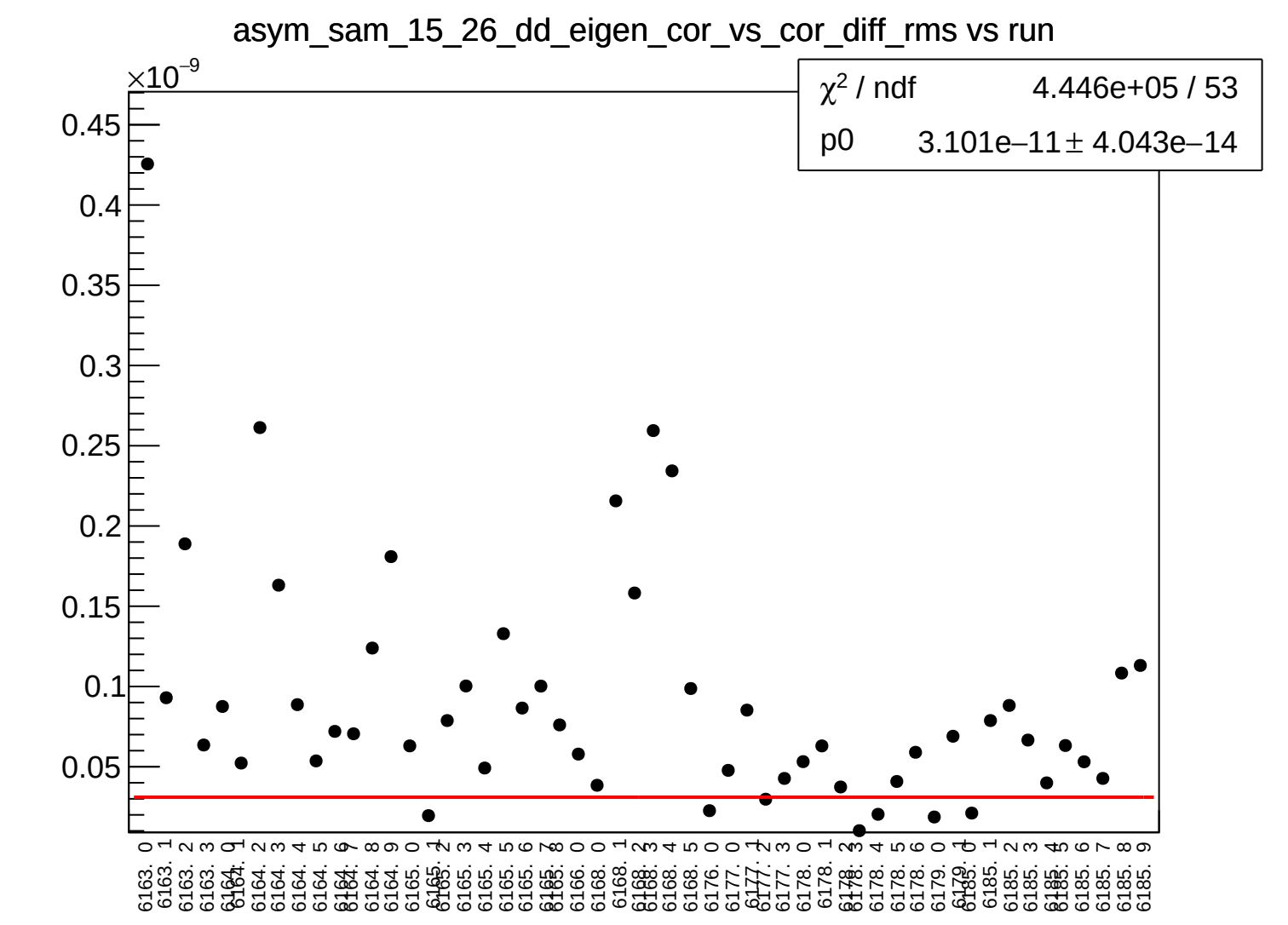

asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 63.3 / 53
p0 0.01835 ± 0.03663
pull
Entries 54
Mean −56.87
Std Dev 0

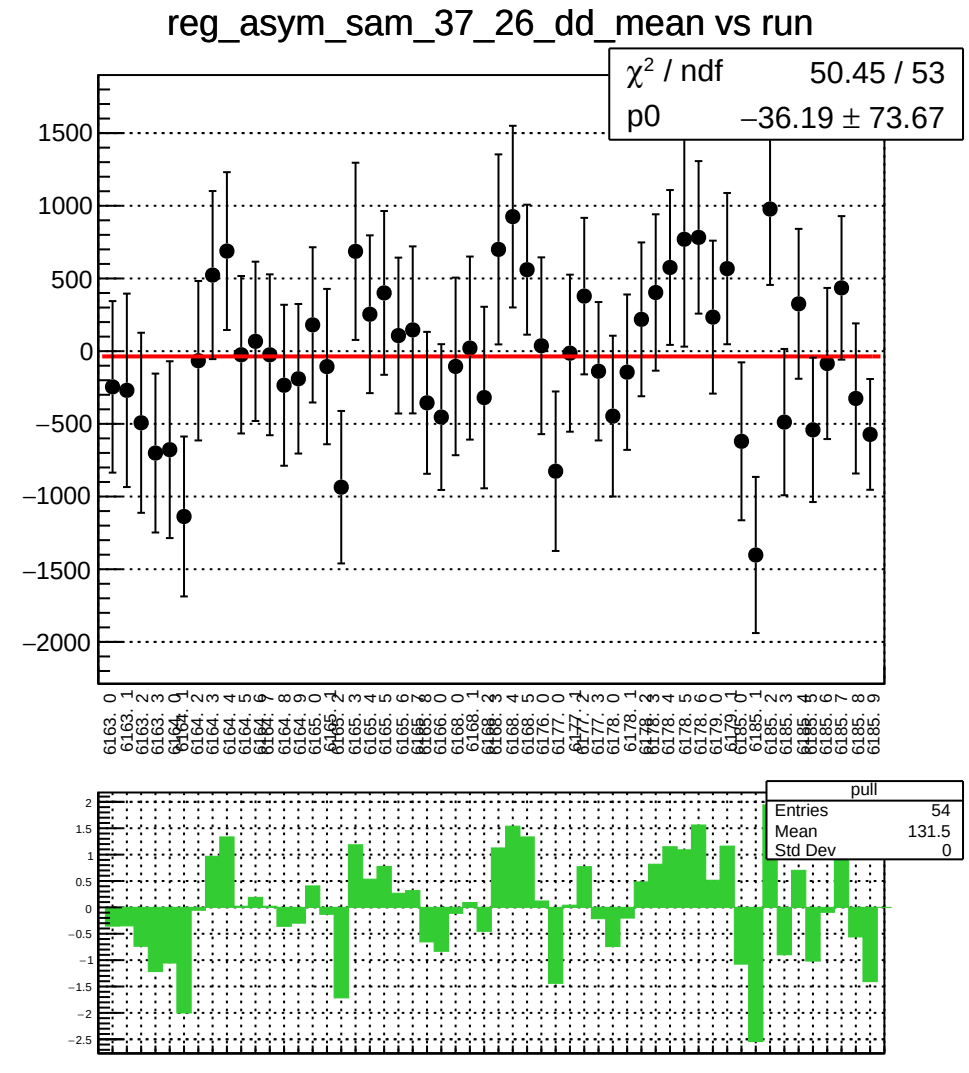

pull1D
Entries 54
Mean −0.02568
Std Dev 1.082

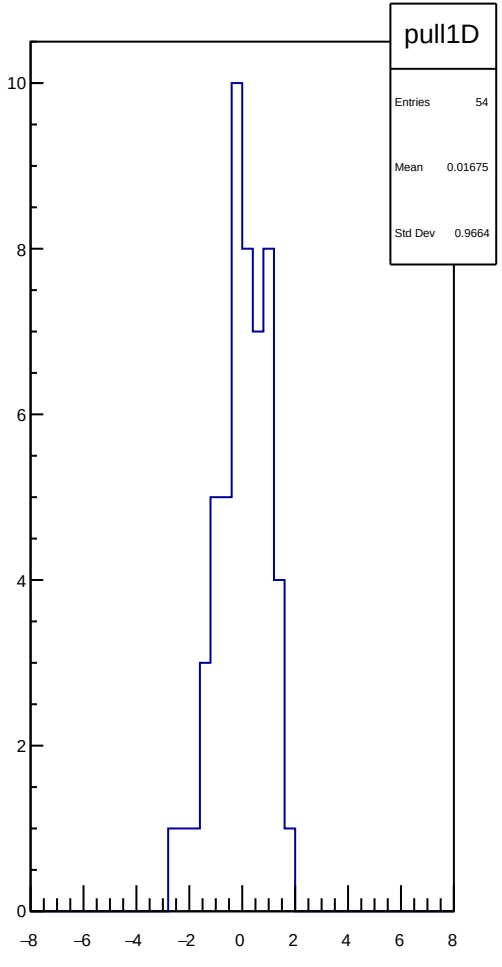

asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.233e+05 / 53
p0 24.71 ± 0.0259
70
60
50
40
30
20
10
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

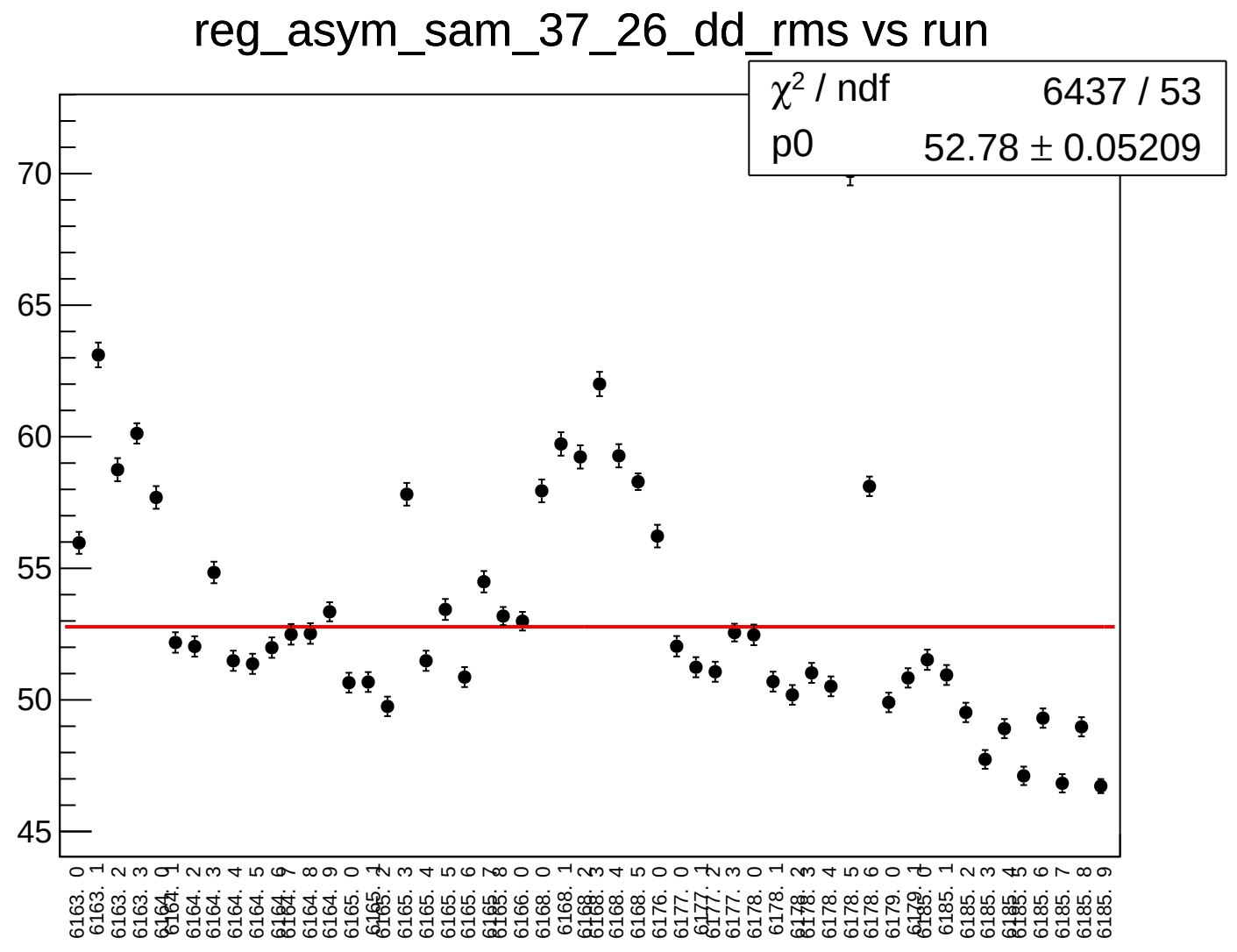

asym_sam_15_26_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 49.62 / 53
p0 9.436e−15 ± 5.718e−14
pull
Entries 54
Mean −470.5
Std Dev 0

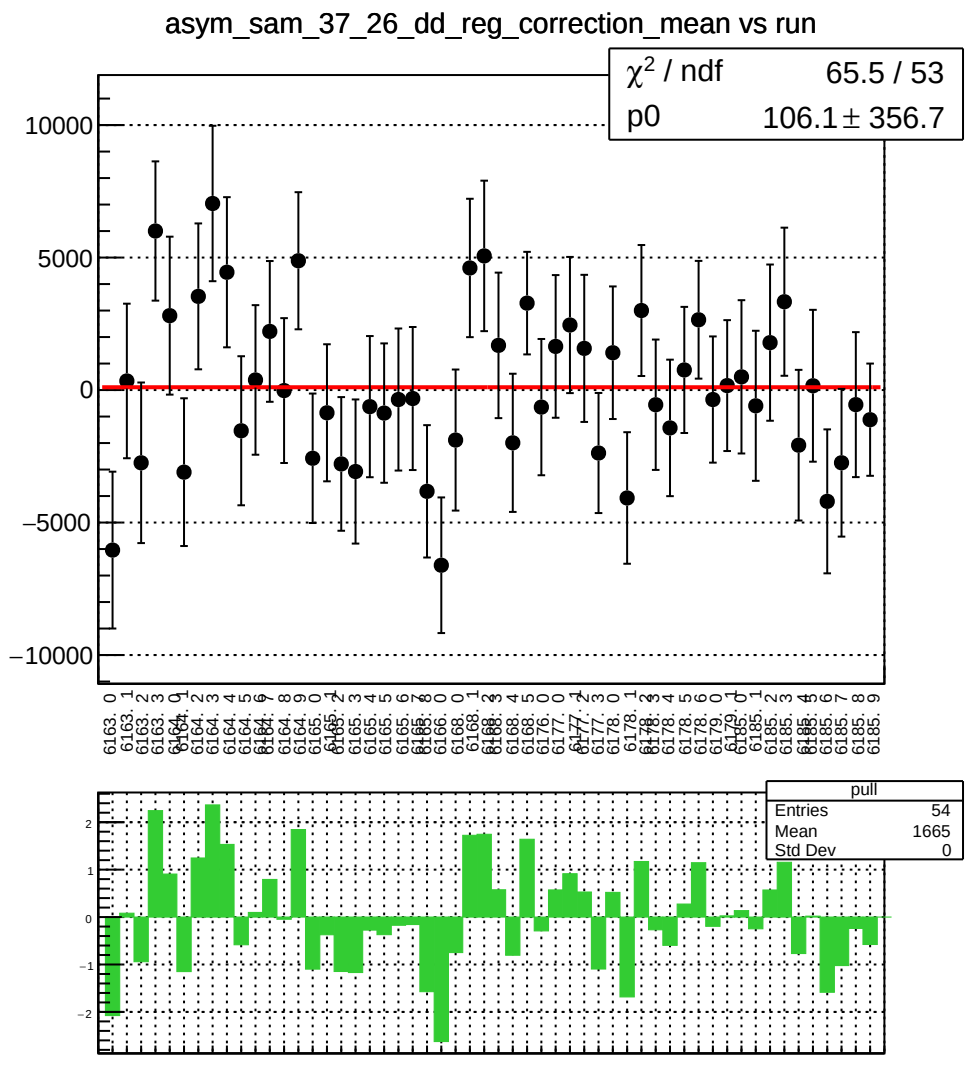

pull1D
Entries 54
Mean −0.006998
Std Dev 0.9586

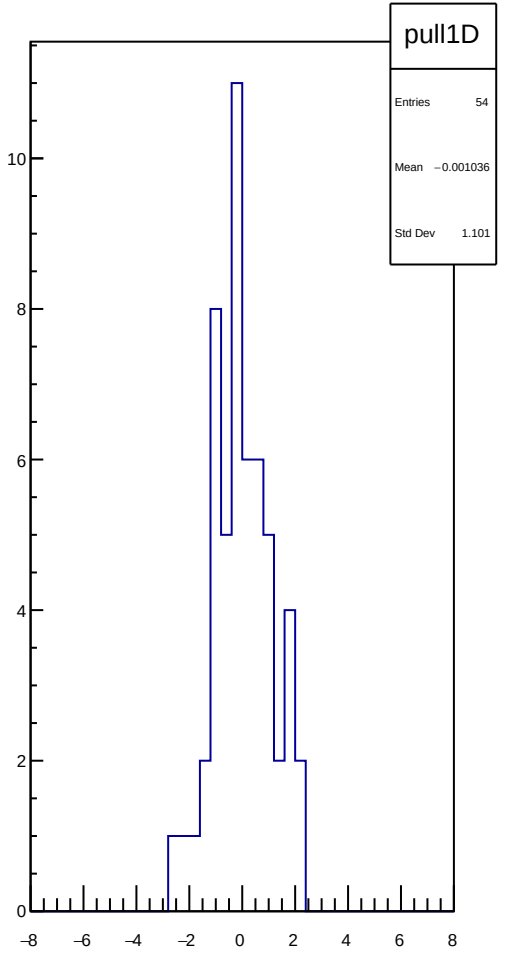

asym_sam_15_26_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.446e+05 / 53
p0 3.101e−11 ± 4.043e−14
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6165. 7
6165. 8
6166. 0
6168. 0
6168. 1
6168. 2
6168. 3
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 3
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

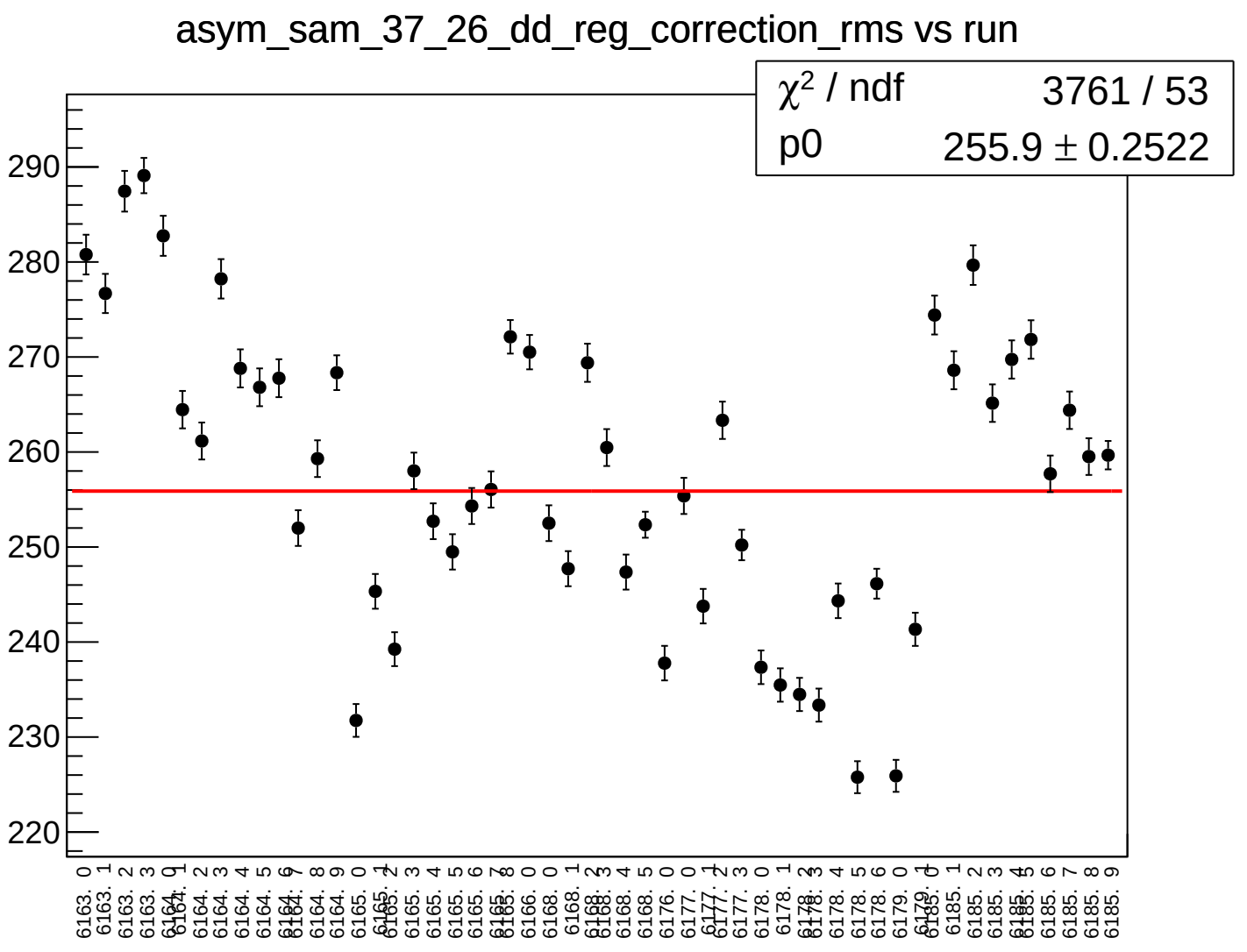

reg_asym_sam_37_26_dd_mean vs run
χ² / ndf 50.45 / 53
p0 −36.19 ± 73.67
pull
Entries 54
Mean 131.5
Std Dev 0

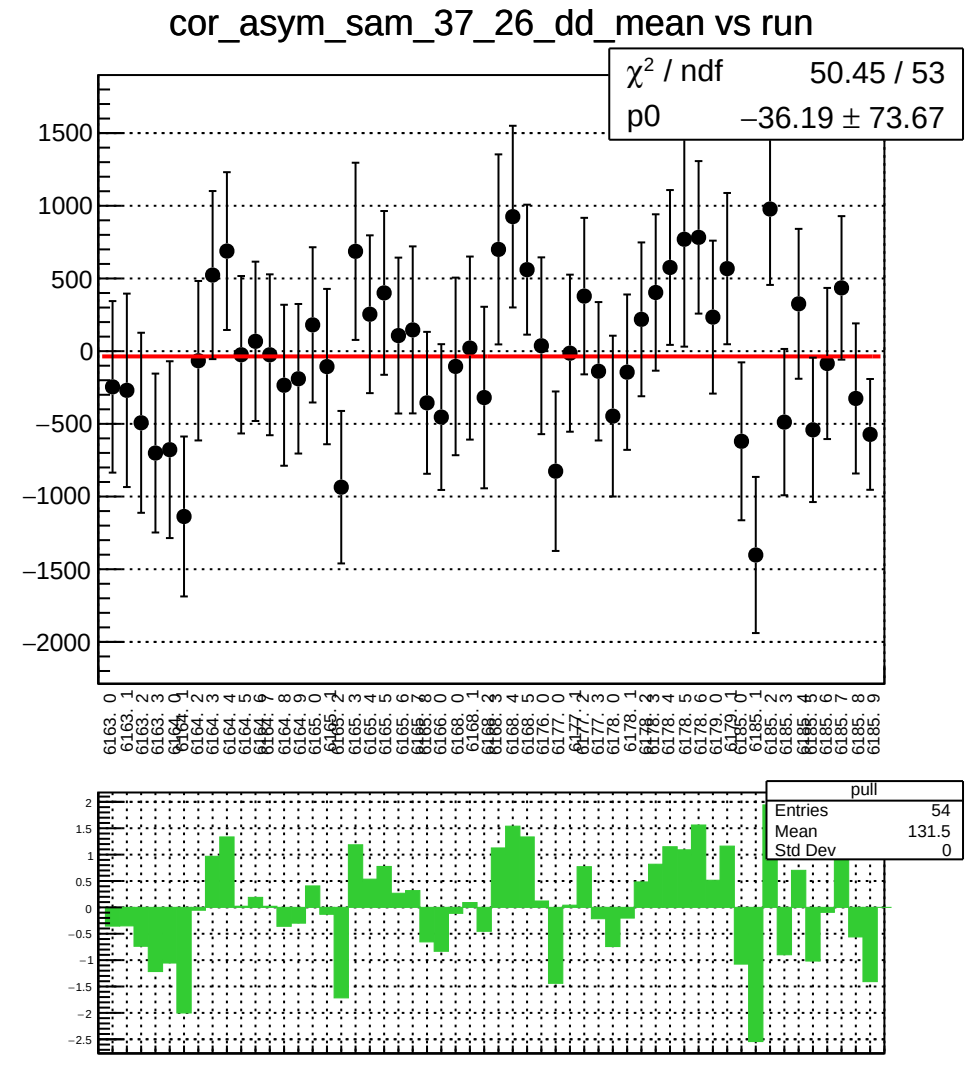

pull1D
Entries 54
Mean 0.01675
Std Dev 0.9664

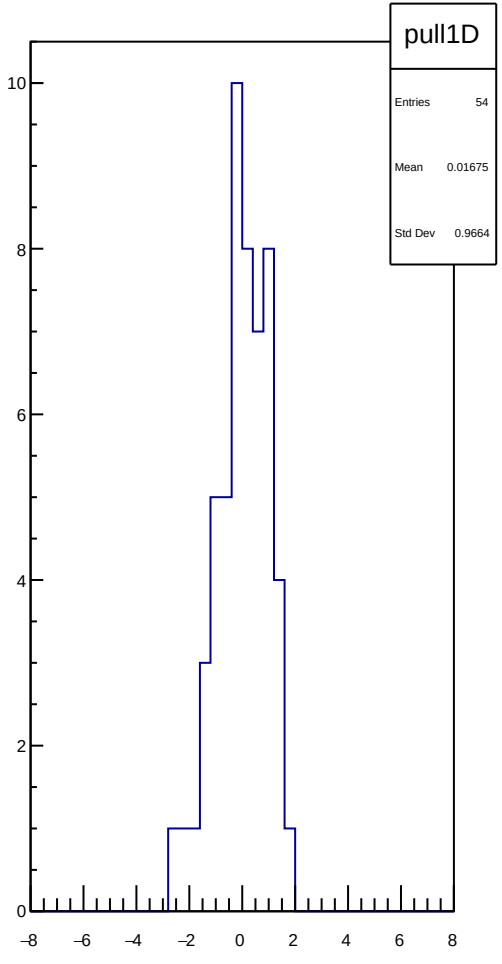

reg_asym_sam_37_26_dd_rms vs run
χ² / ndf 6437 / 53
p0 52.78 ± 0.05209
70
65
60
55
50
45
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

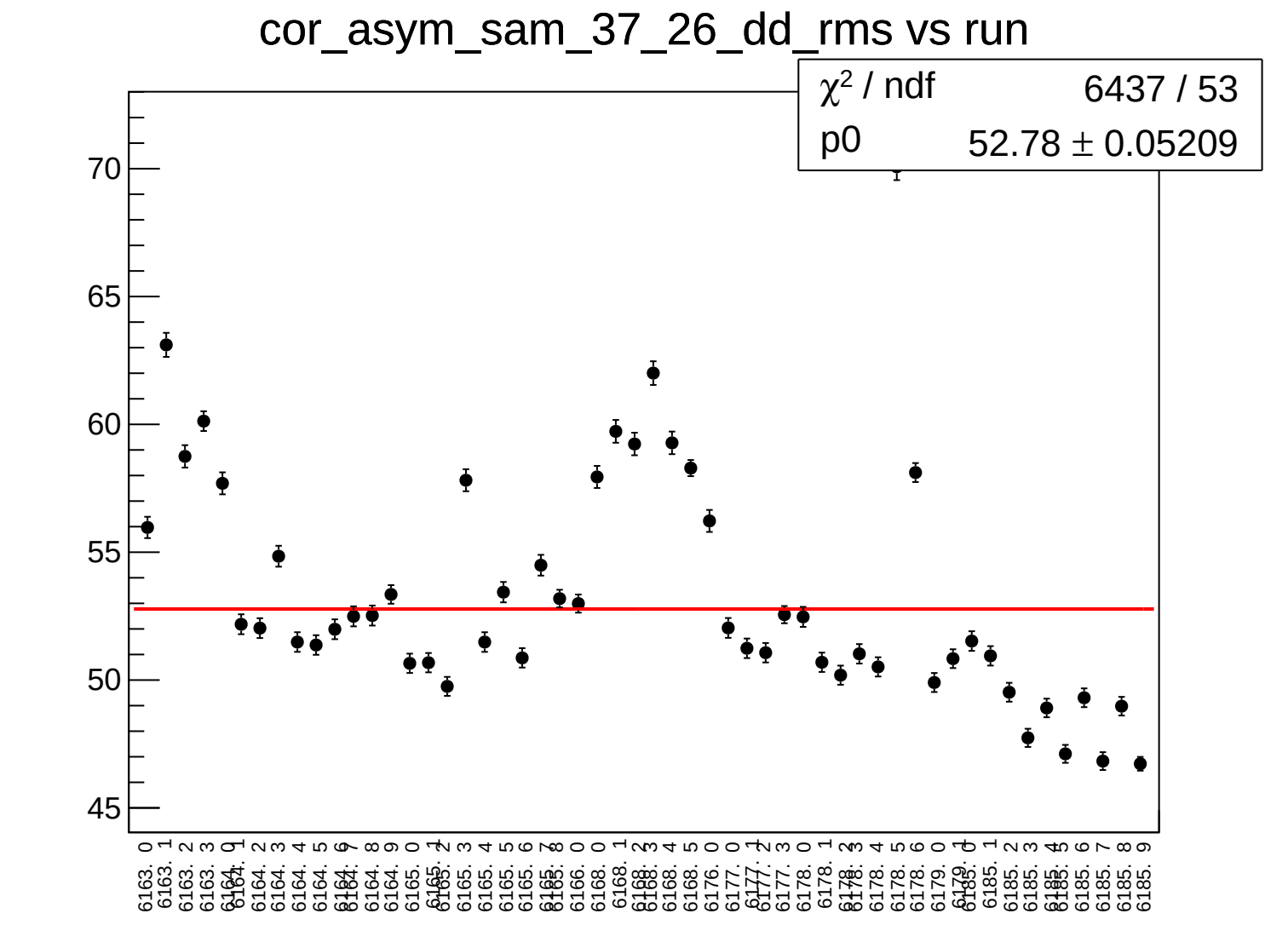

asym_sam_37_26_dd_reg_correction_mean vs run
χ² / ndf 65.5 / 53
p0 106.1 ± 356.7
10000
5000
0
−5000
−10000
pull
Entries 54
Mean 1665
Std Dev 0
2
1
0
−1
−2

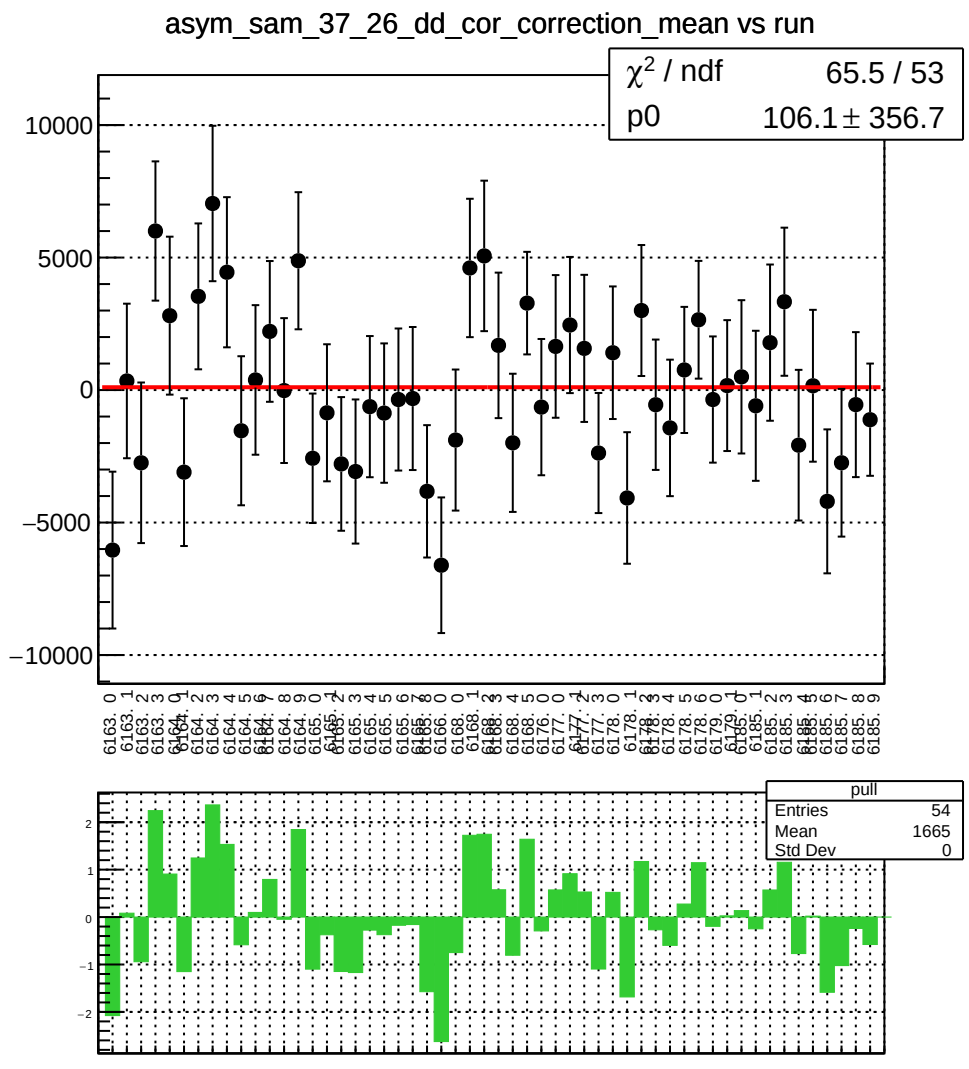

pull1D
Entries 54
Mean −0.001036
Std Dev 1.101
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

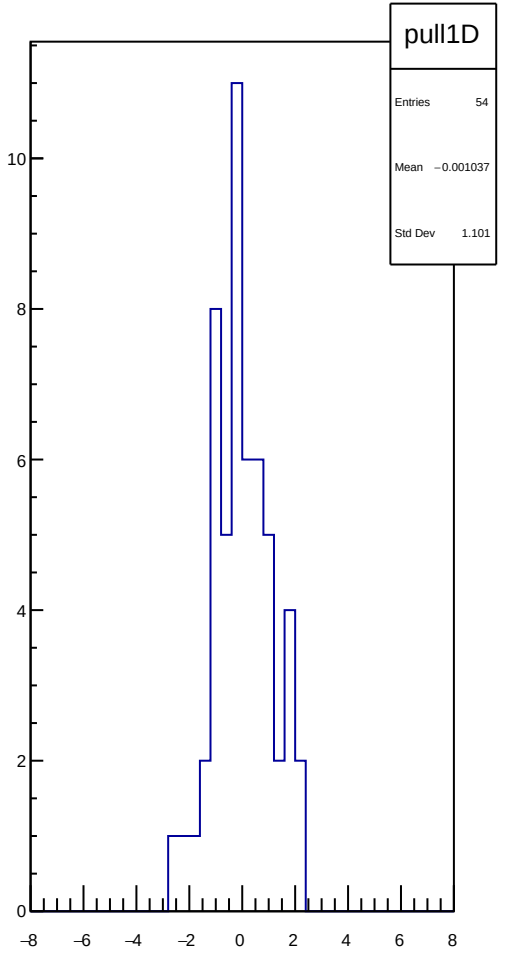

asym_sam_37_26_dd_reg_correction_rms vs run
χ² / ndf 3761 / 53
p0 255.9 ± 0.2522
290
280
270
260
250
240
230
220
6163. 0
6163. 1
6163. 2
6163. 3
6163. 4
6163. 9
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 6
6164. 7
6164. 8
6164. 9
6165. 0
6165. 1
6165. 2
6165. 3
6165. 4
6165. 5
6165. 6
6165. 7
6165. 8
6166. 0
6168. 0
6168. 1
6168. 2
6168. 3
6168. 4
6168. 5
6176. 0
6177. 0
6177. 1
6177. 2
6177. 3
6178. 0
6178. 1
6178. 2
6178. 3
6178. 4
6178. 5
6178. 6
6179. 0
6179. 1
6185. 0
6185. 1
6185. 2
6185. 3
6185. 4
6185. 5
6185. 6
6185. 7
6185. 8
6185. 9

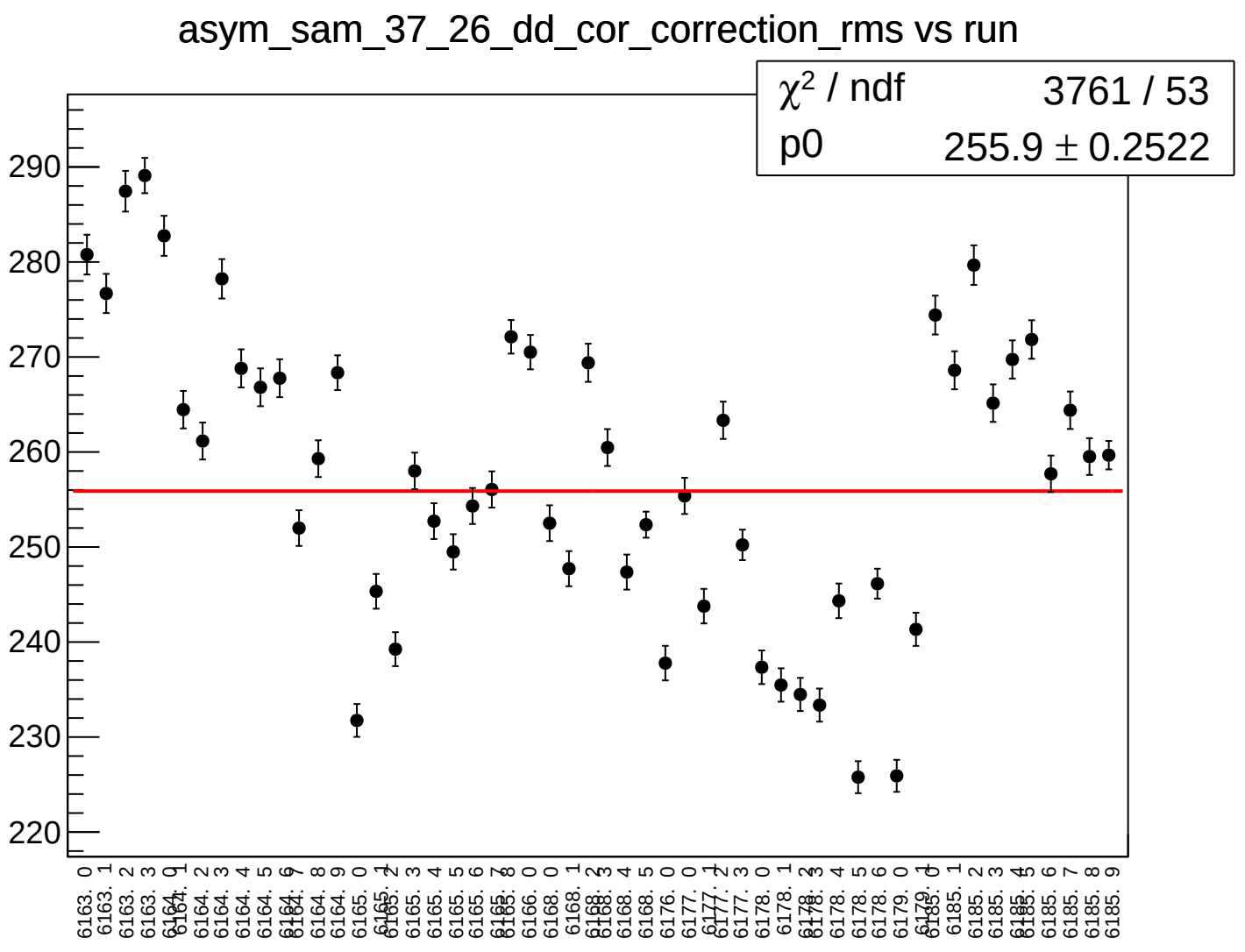

cor_asym_sam_37_26_dd_mean vs run
χ² / ndf 50.45 / 53
p0 −36.19 ± 73.67
pull
Entries 54
Mean 131.5
Std Dev 0

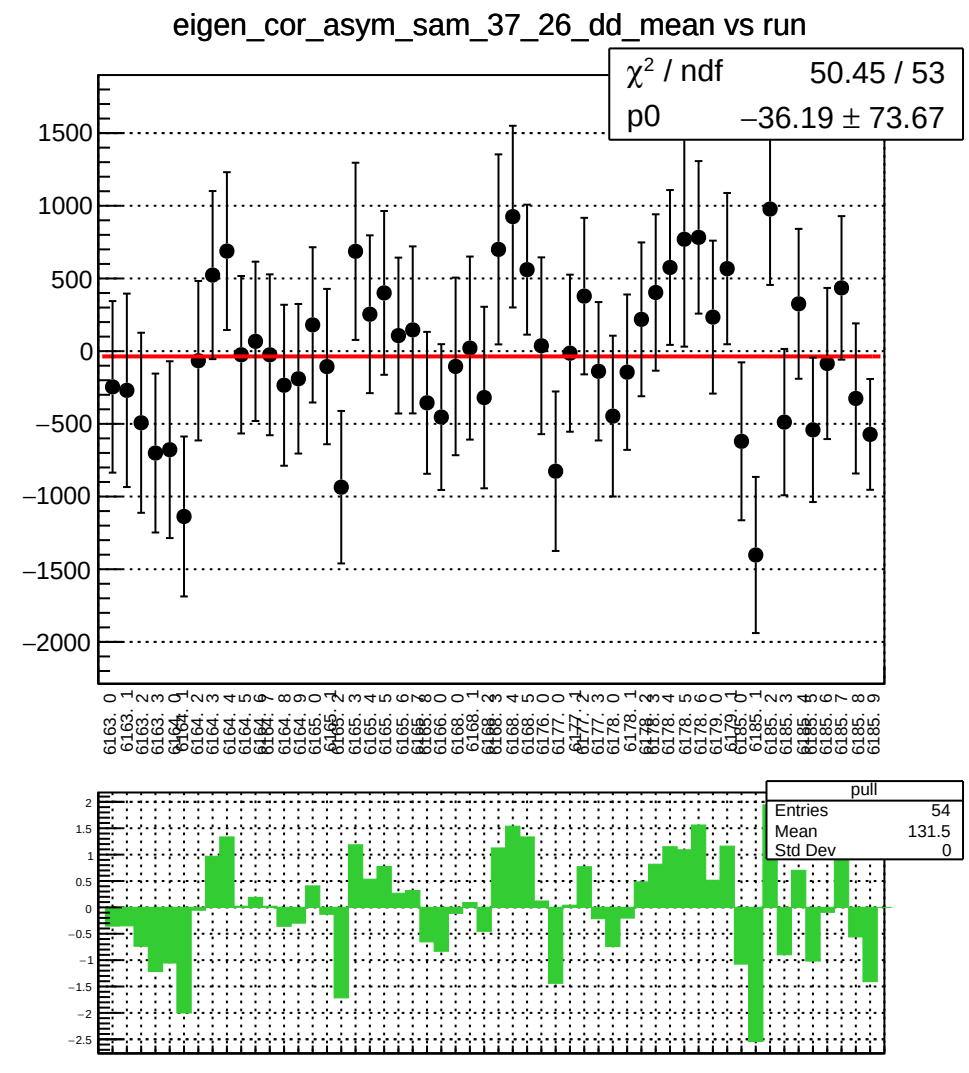

pull1D
Entries 54
Mean 0.01675
Std Dev 0.9664

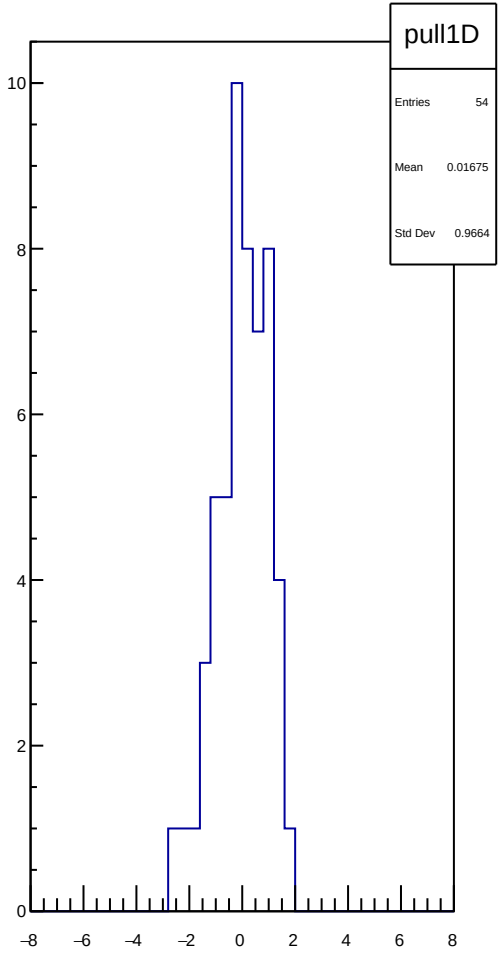

cor_asym_sam_37_26_dd_rms vs run
χ² / ndf 6437 / 53
p0 52.78 ± 0.05209
70
65
60
55
50
45
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

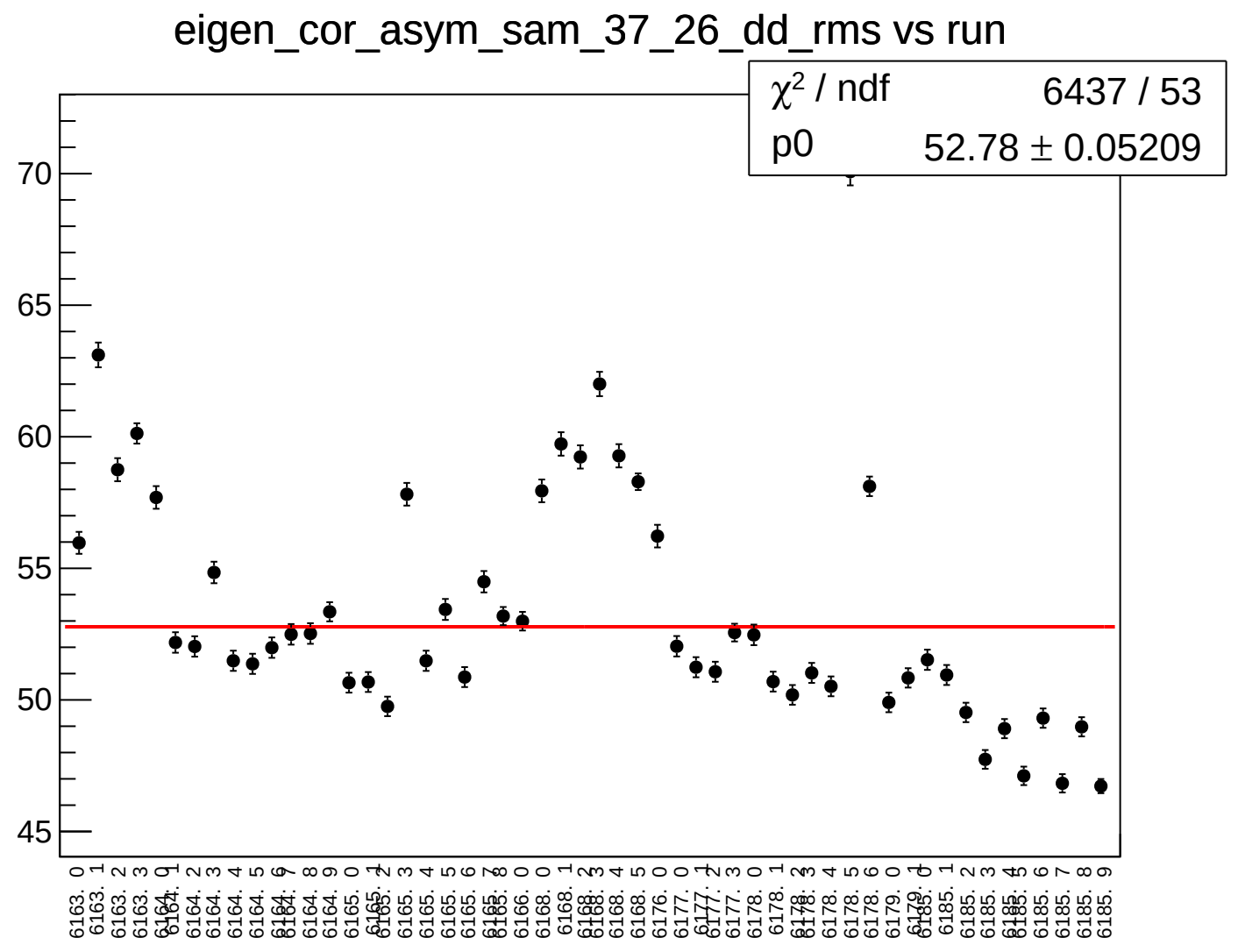

asym_sam_37_26_dd_cor_correction_mean vs run
χ² / ndf 65.5 / 53
p0 106.1 ± 356.7
10000
5000
0
−5000
−10000
pull
Entries 54
Mean 1665
Std Dev 0
2
1
0
−1
−2

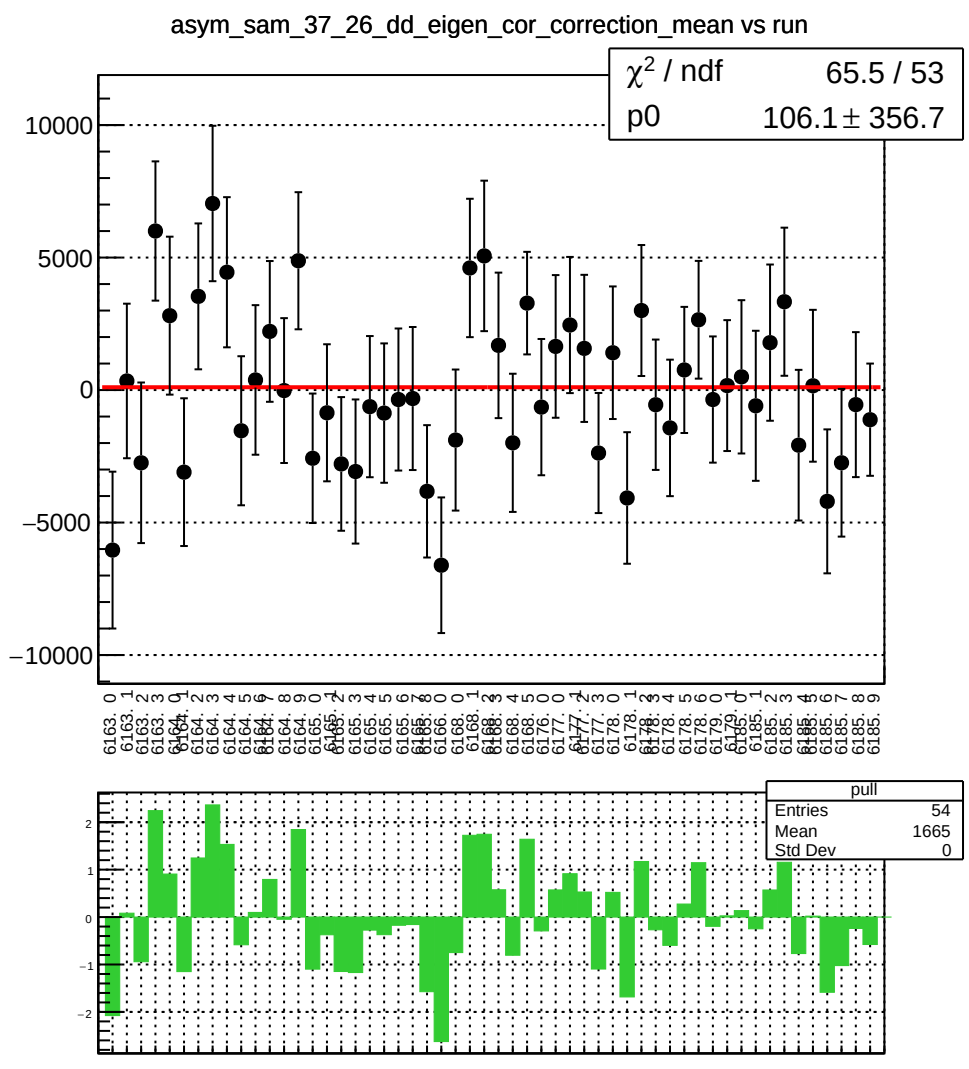

pull1D
Entries 54
Mean −0.001037
Std Dev 1.101
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

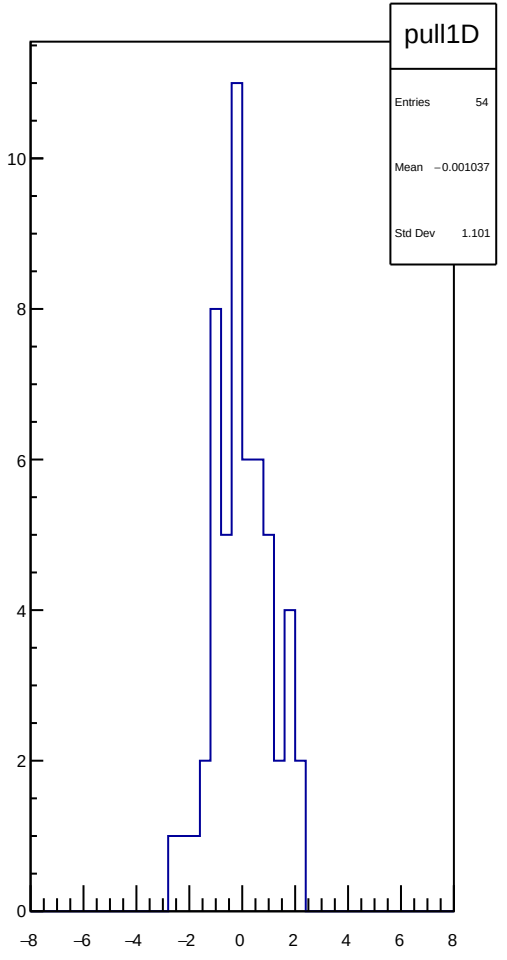

asym_sam_37_26_dd_cor_correction_rms vs run
χ² / ndf 3761 / 53
p0 255.9 ± 0.2522
290
280
270
260
250
240
230
220
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

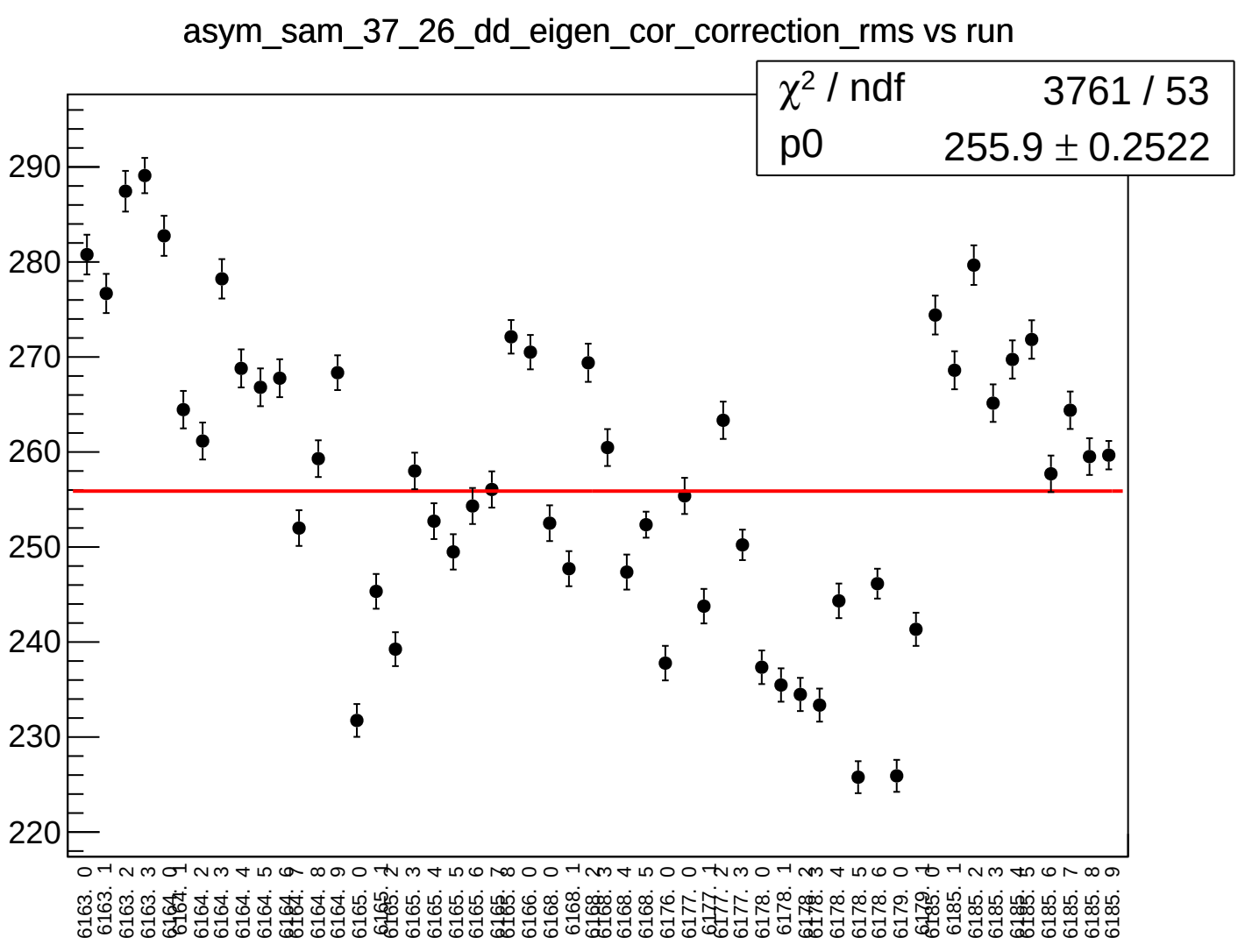

eigen_cor_asym_sam_37_26_dd_mean vs run
χ² / ndf 50.45 / 53
p0 −36.19 ± 73.67
pull
Entries 54
Mean 131.5
Std Dev 0

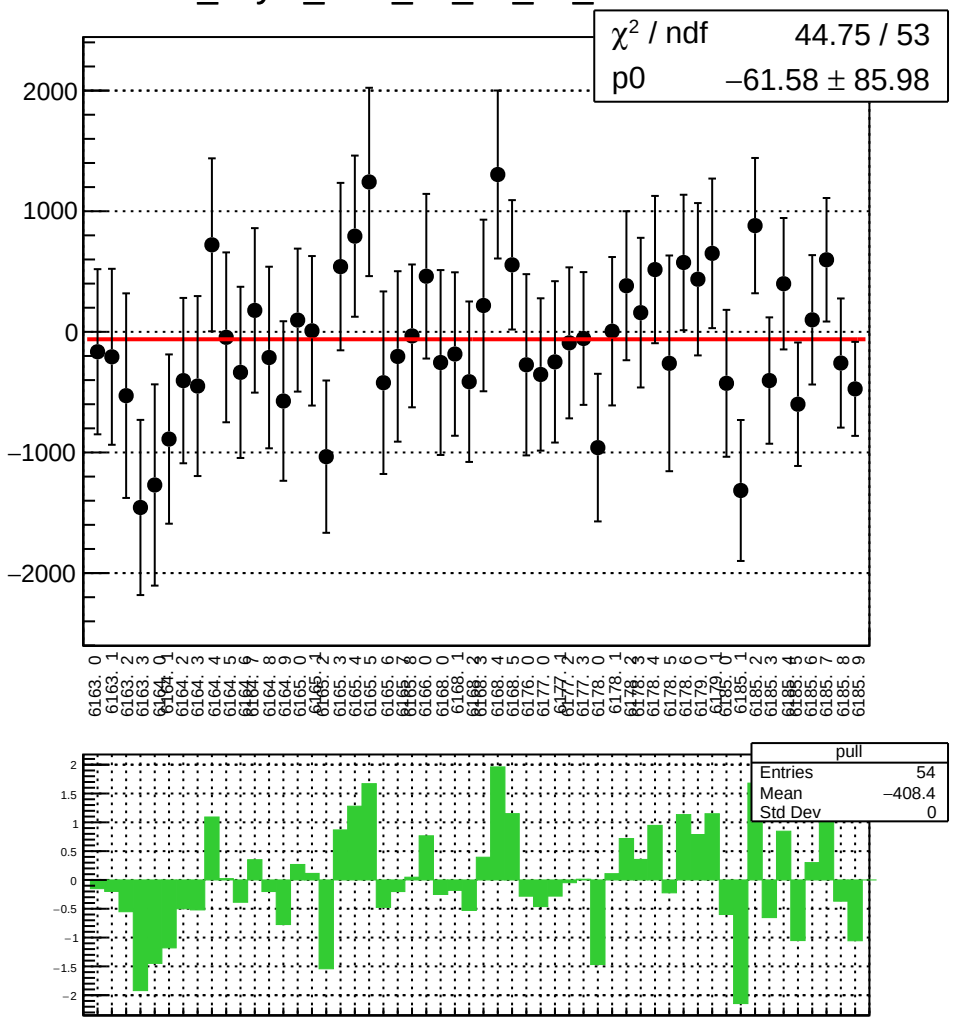

pull1D
Entries 54
Mean 0.01675
Std Dev 0.9664

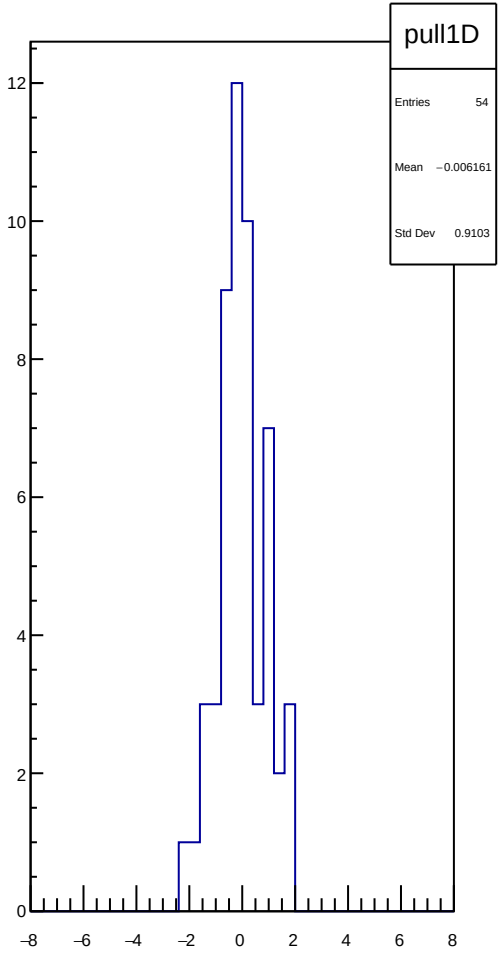

eigen_cor_asym_sam_37_26_dd_rms vs run
χ² / ndf 6437 / 53
p0 52.78 ± 0.05209
70
65
60
55
50
45
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

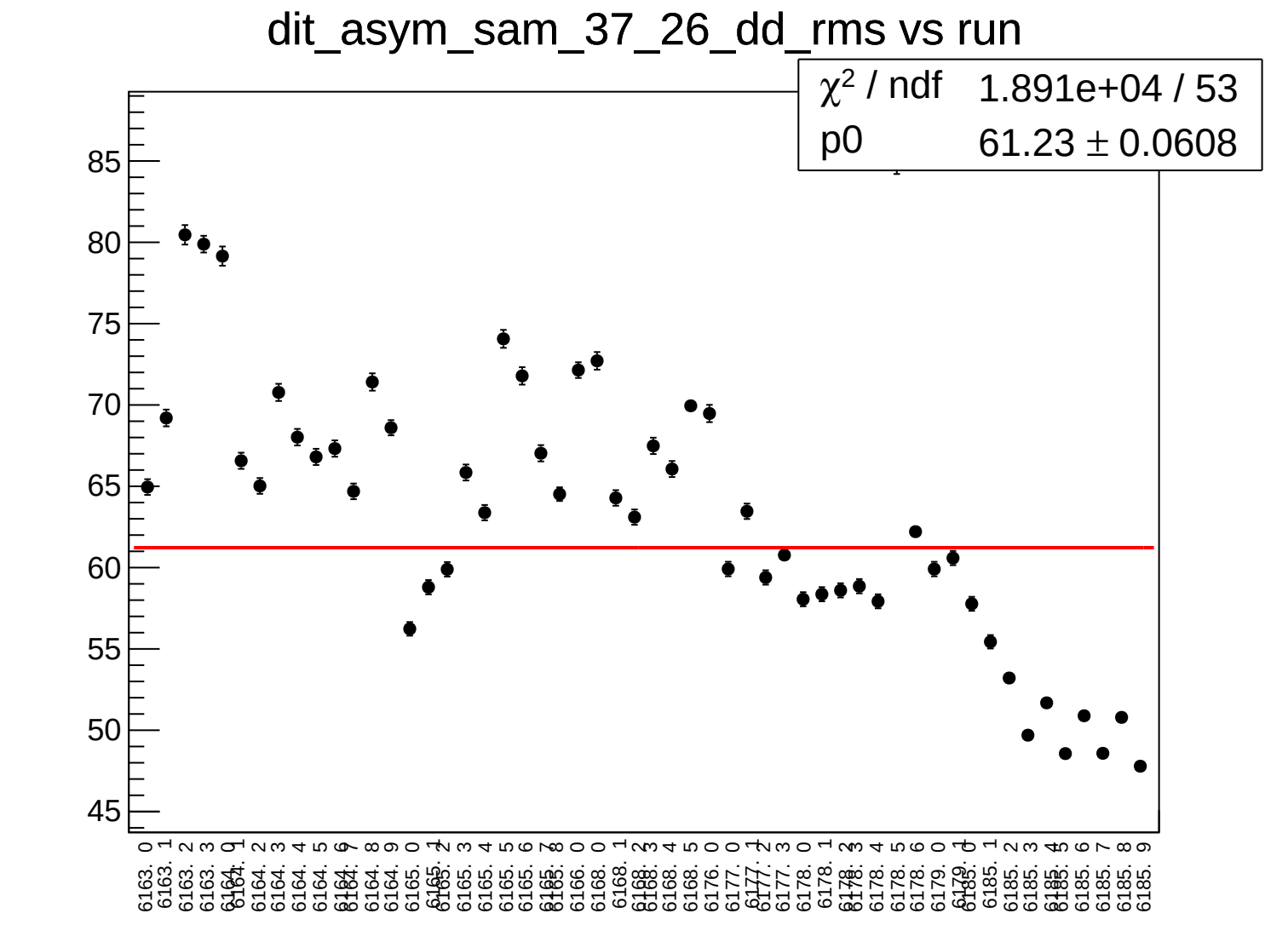

asym_sam_37_26_dd_eigen_cor_correction_mean vs run
χ² / ndf 65.5 / 53
p0 106.1 ± 356.7
10000
5000
0
−5000
−10000
pull
Entries 54
Mean 1665
Std Dev 0
2
1
0
−1
−2

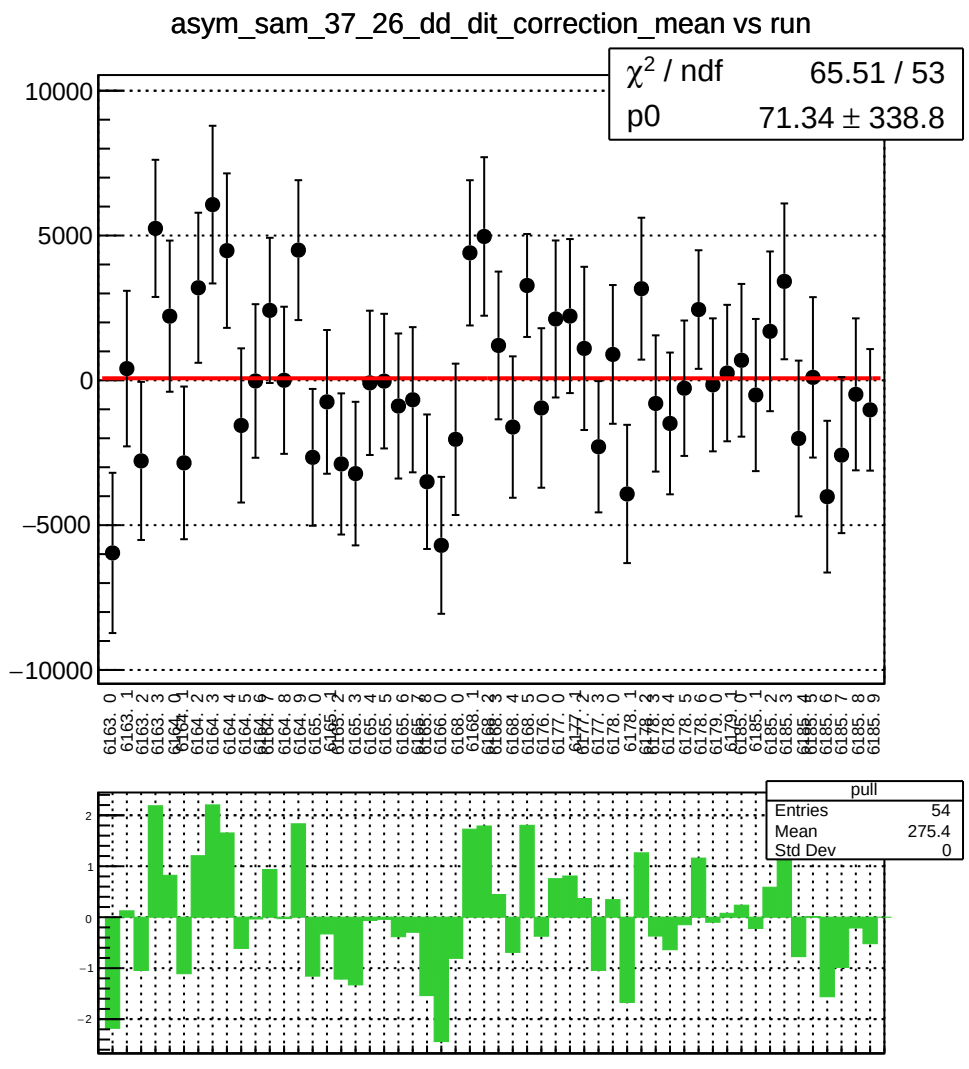

pull1D
Entries 54
Mean −0.001037
Std Dev 1.101
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

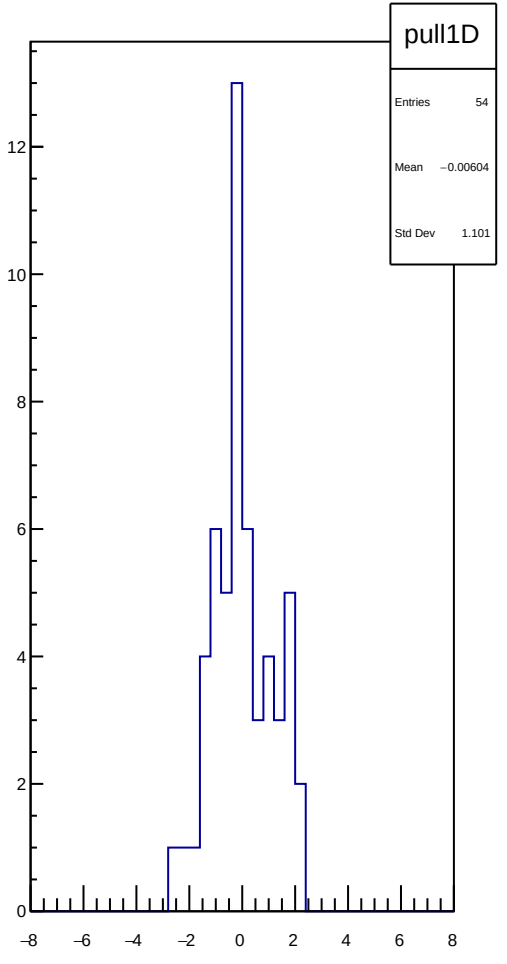

asym_sam_37_26_dd_eigen_cor_correction_rms vs run
χ² / ndf 3761 / 53
p0 255.9 ± 0.2522
290
280
270
260
250
240
230
220
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

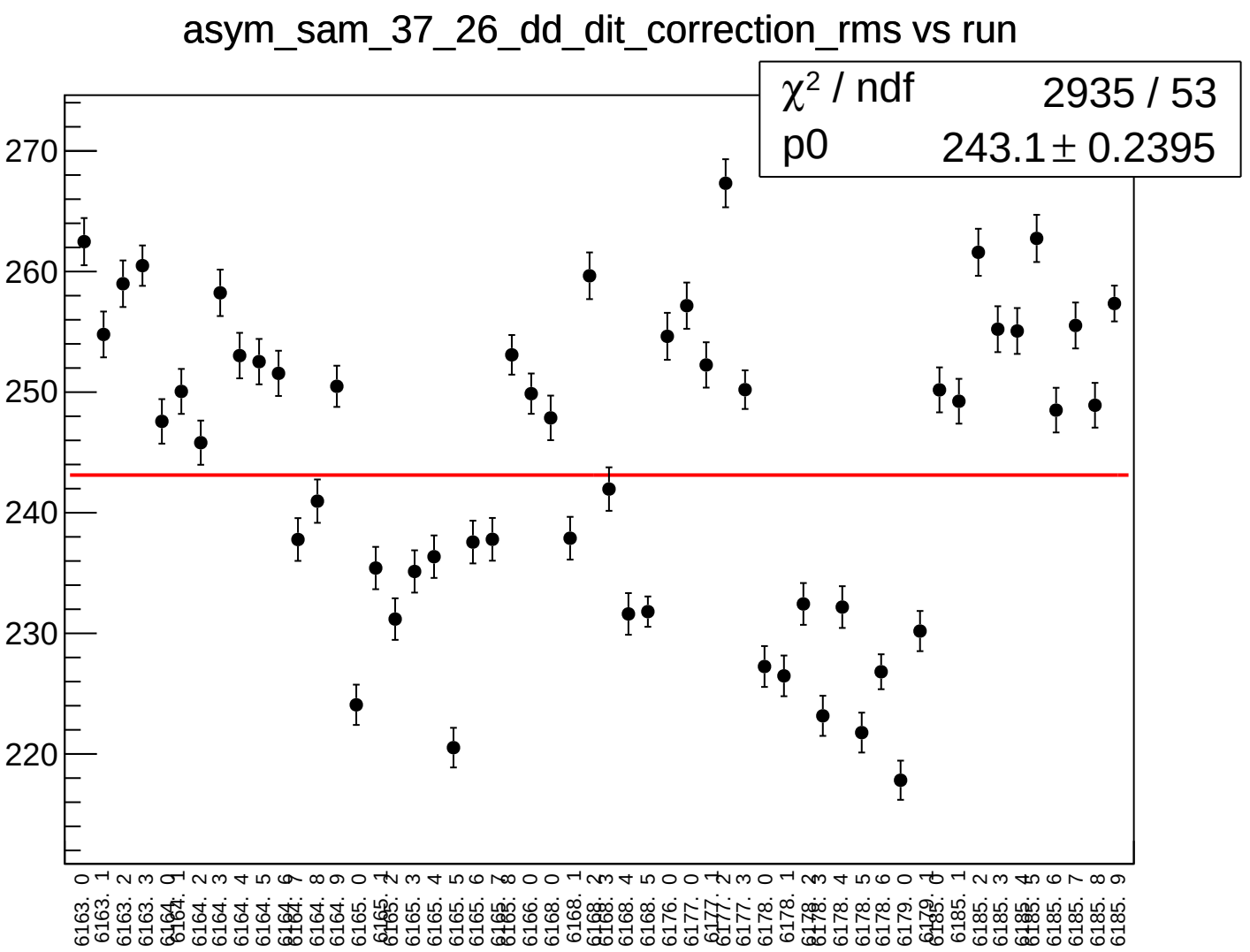

dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 44.75 / 53
p0 −61.58 ± 85.98
2000
1000
0
−1000
−2000
pull
Entries 54
Mean −408.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

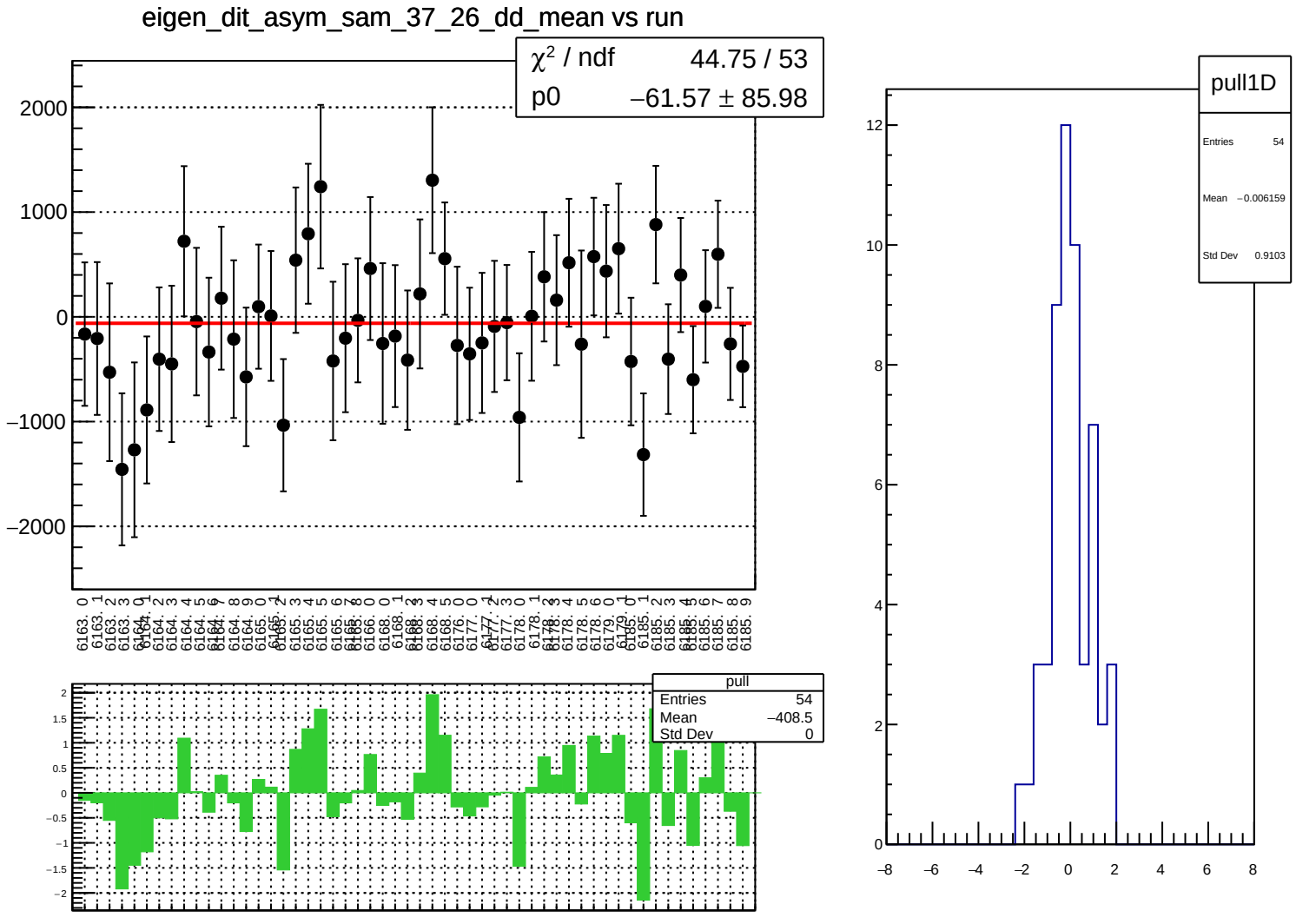

pull1D
Entries 54
Mean −0.006161
Std Dev 0.9103
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

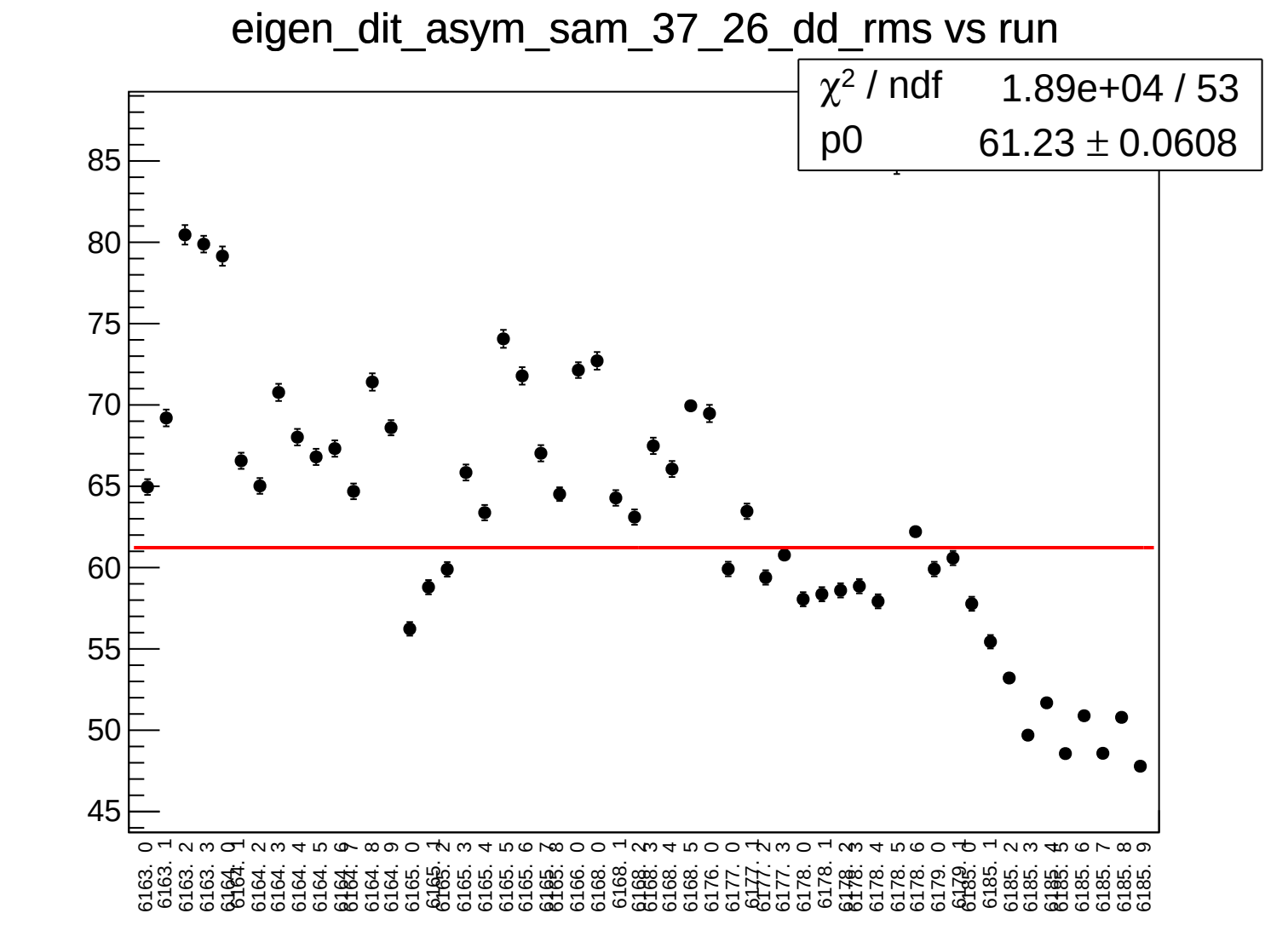

dit_asym_sam_37_26_dd_rms vs run
χ² / ndf 1.891e+04 / 53
p0 61.23 ± 0.0608
85
80
75
70
65
60
55
50
45
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

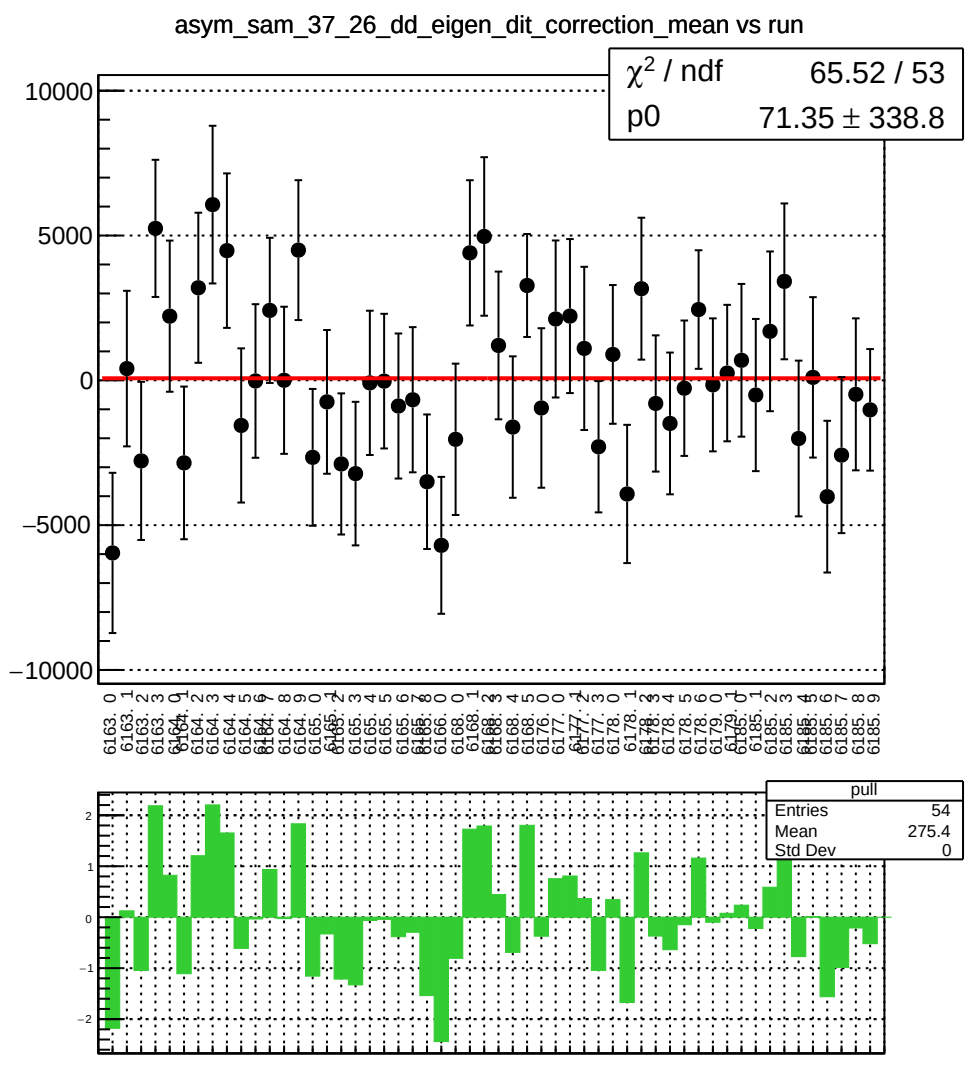

asym_sam_37_26_dd_dit_correction_mean vs run
χ² / ndf 65.51 / 53
p0 71.34 ± 338.8
10000
5000
0
−5000
−10000
pull
Entries 54
Mean 275.4
Std Dev 0
2
1
0
−1
−2

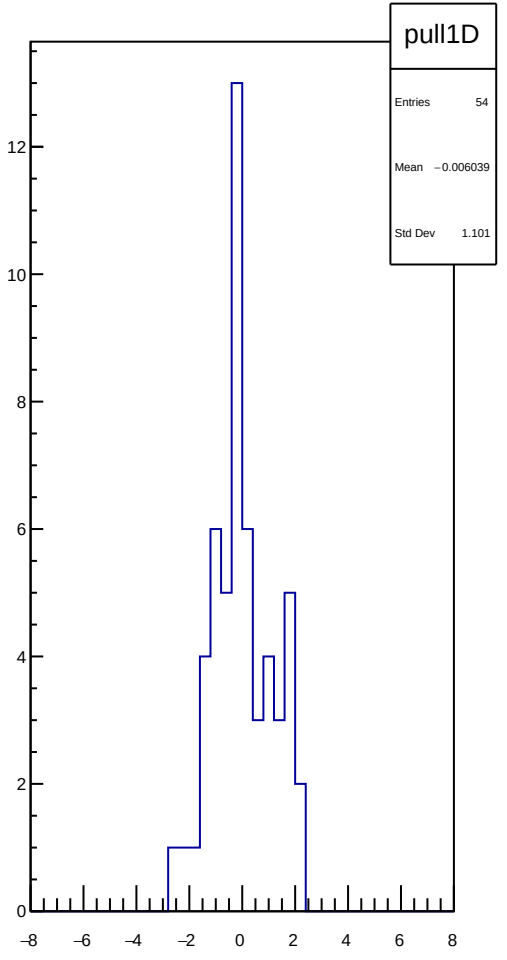

pull1D
Entries 54
Mean −0.00604
Std Dev 1.101
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

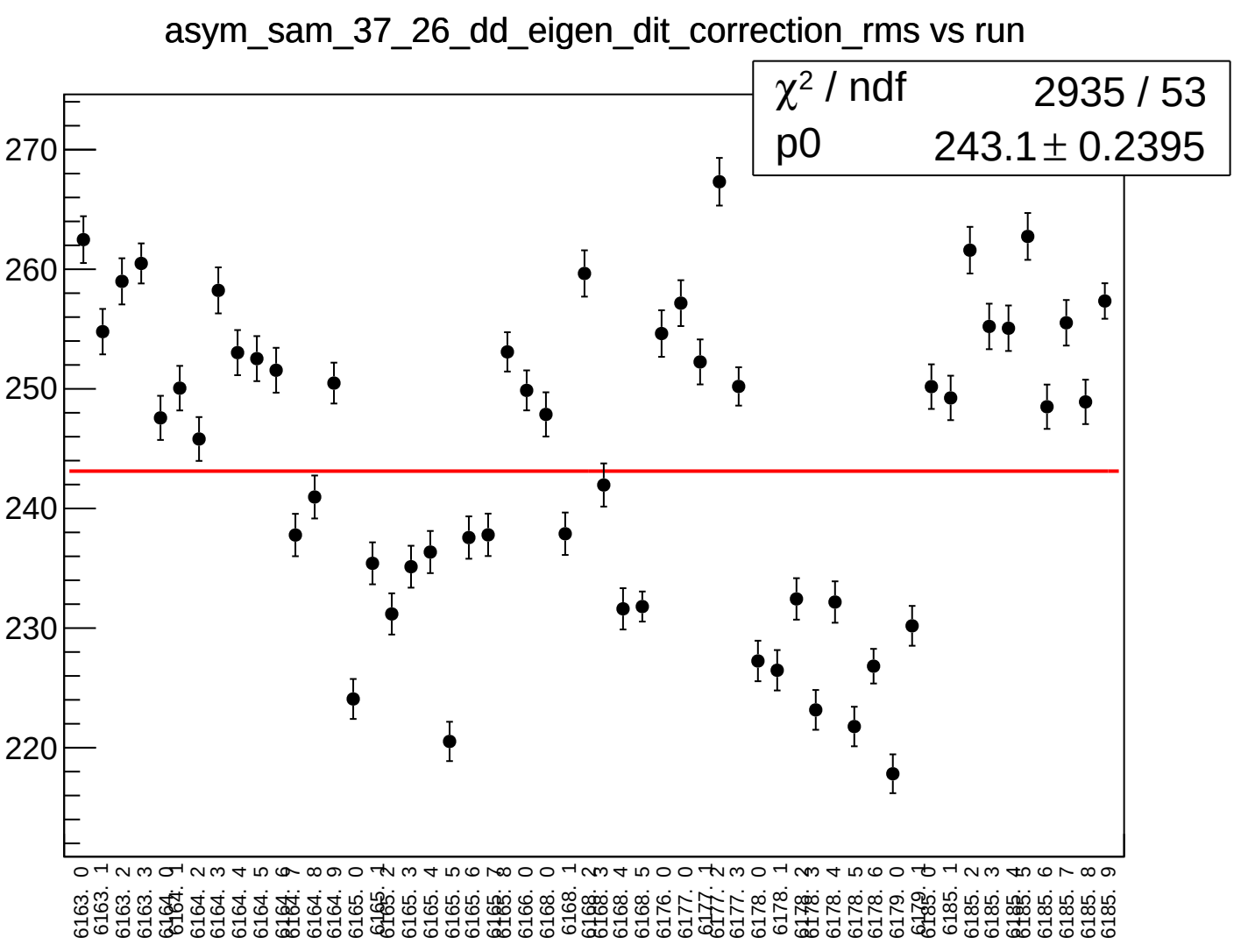

asym_sam_37_26_dd_dit_correction_rms vs run
χ² / ndf 2935 / 53
p0 243.1 ± 0.2395
270
260
250
240
230
220
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

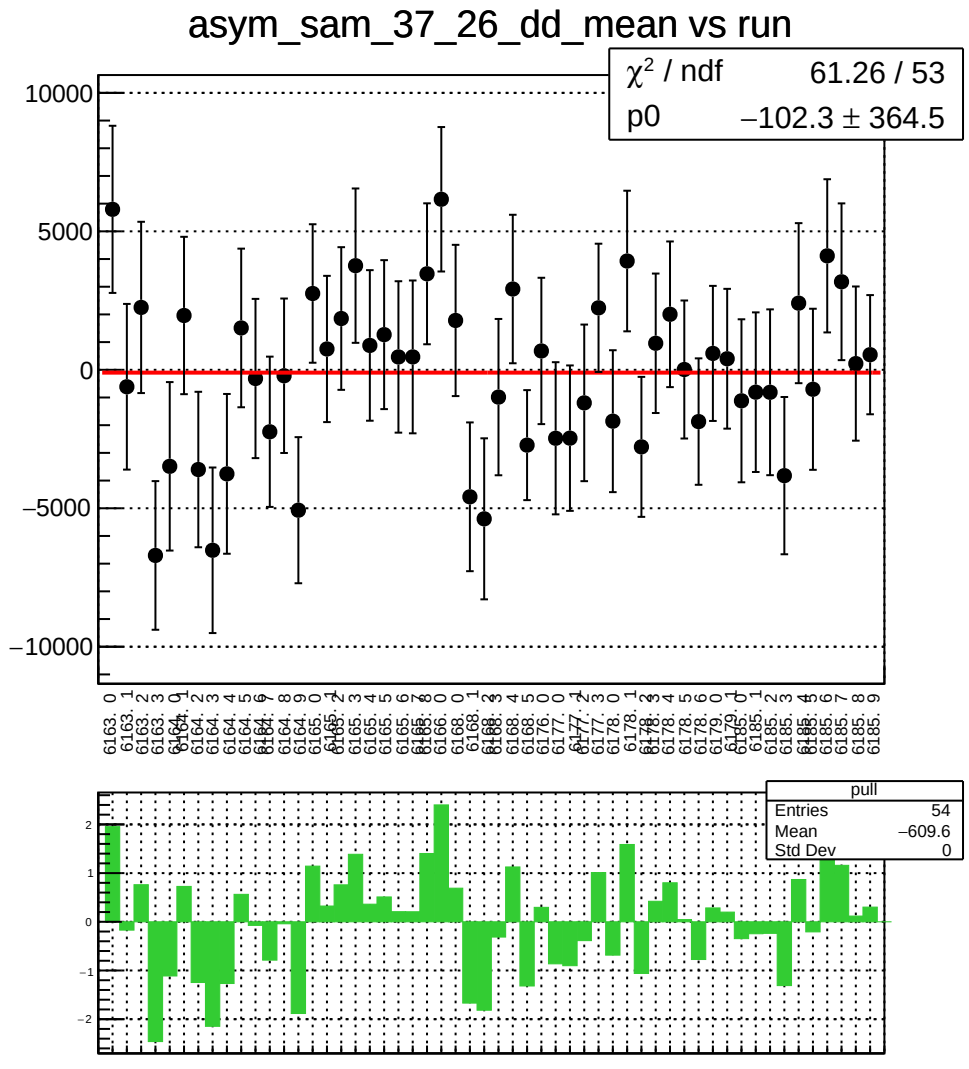

eigen_dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 44.75 / 53
p0 −61.57 ± 85.98
pull
Entries 54
Mean −408.5
Std Dev 0
pull1D
Entries 54
Mean −0.006159
Std Dev 0.9103

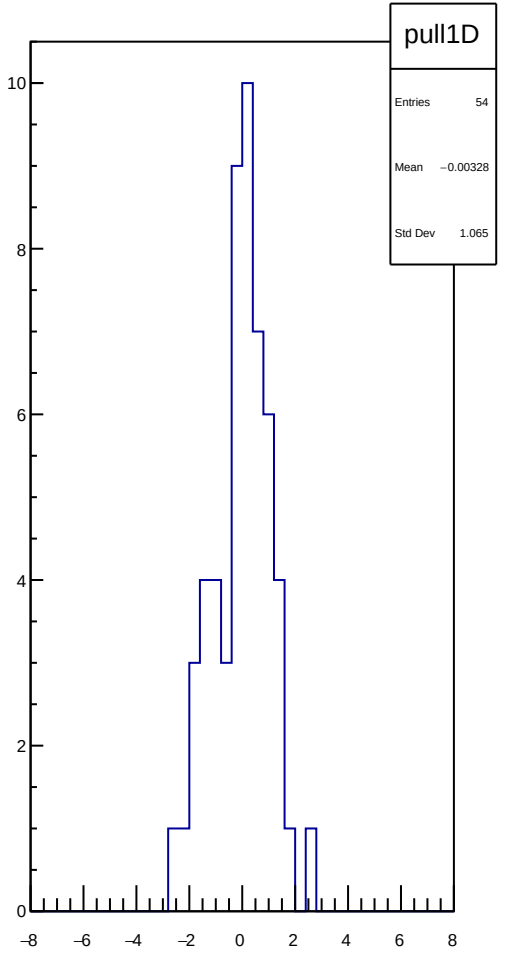

eigen_dit_asym_sam_37_26_dd_rms vs run
χ² / ndf 1.89e+04 / 53
p0 61.23 ± 0.0608
85
80
75
70
65
60
55
50
45
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

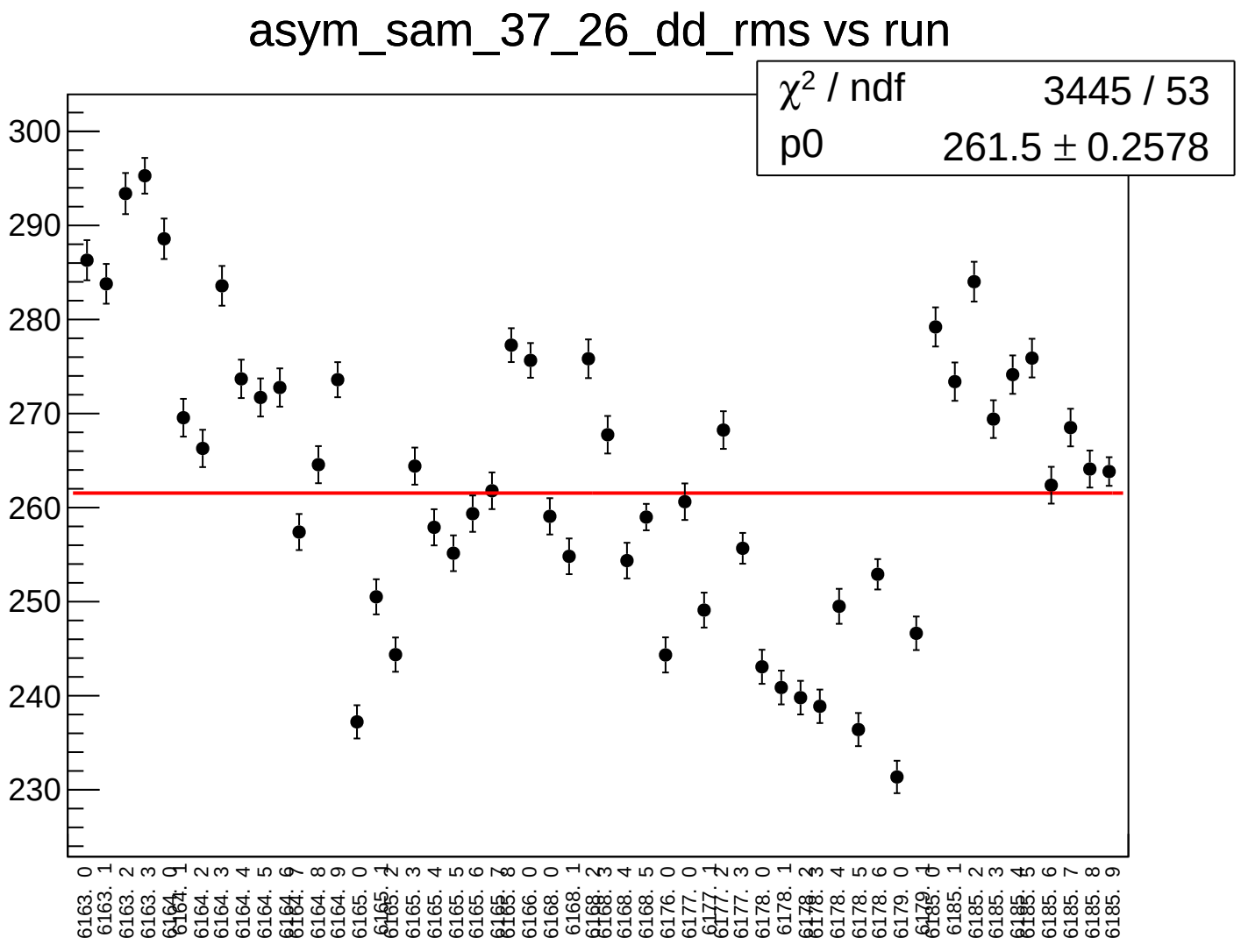

asym_sam_37_26_dd_eigen_dit_correction_mean vs run
χ^2 / ndf 65.52 / 53
p0 71.35 ± 338.8
10000
5000
0
−5000
−10000
pull
Entries 54
Mean 275.4
Std Dev 0
2
1
0
−1
−2

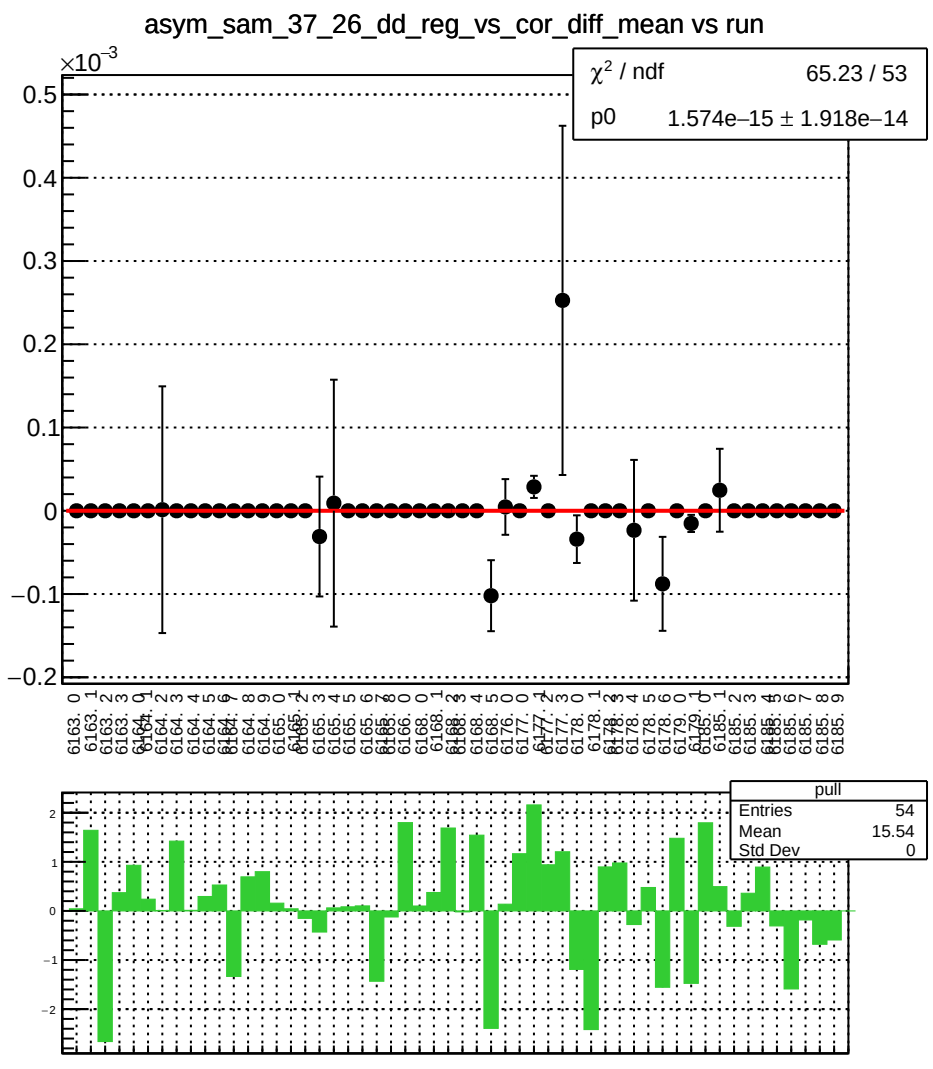

pull1D
Entries 54
Mean −0.006039
Std Dev 1.101
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

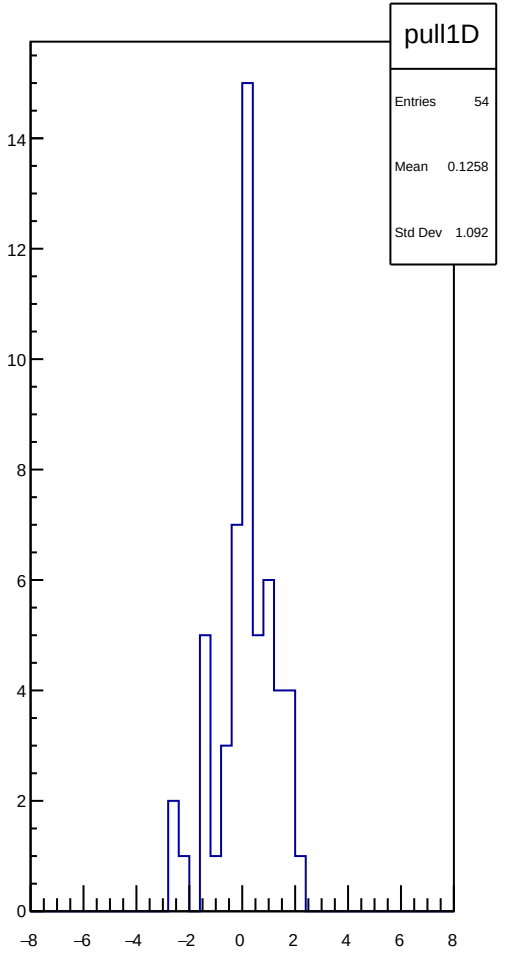

asym_sam_37_26_dd_eigen_dit_correction_rms vs run
χ² / ndf 2935 / 53
p0 243.1 ± 0.2395
270
260
250
240
230
220
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

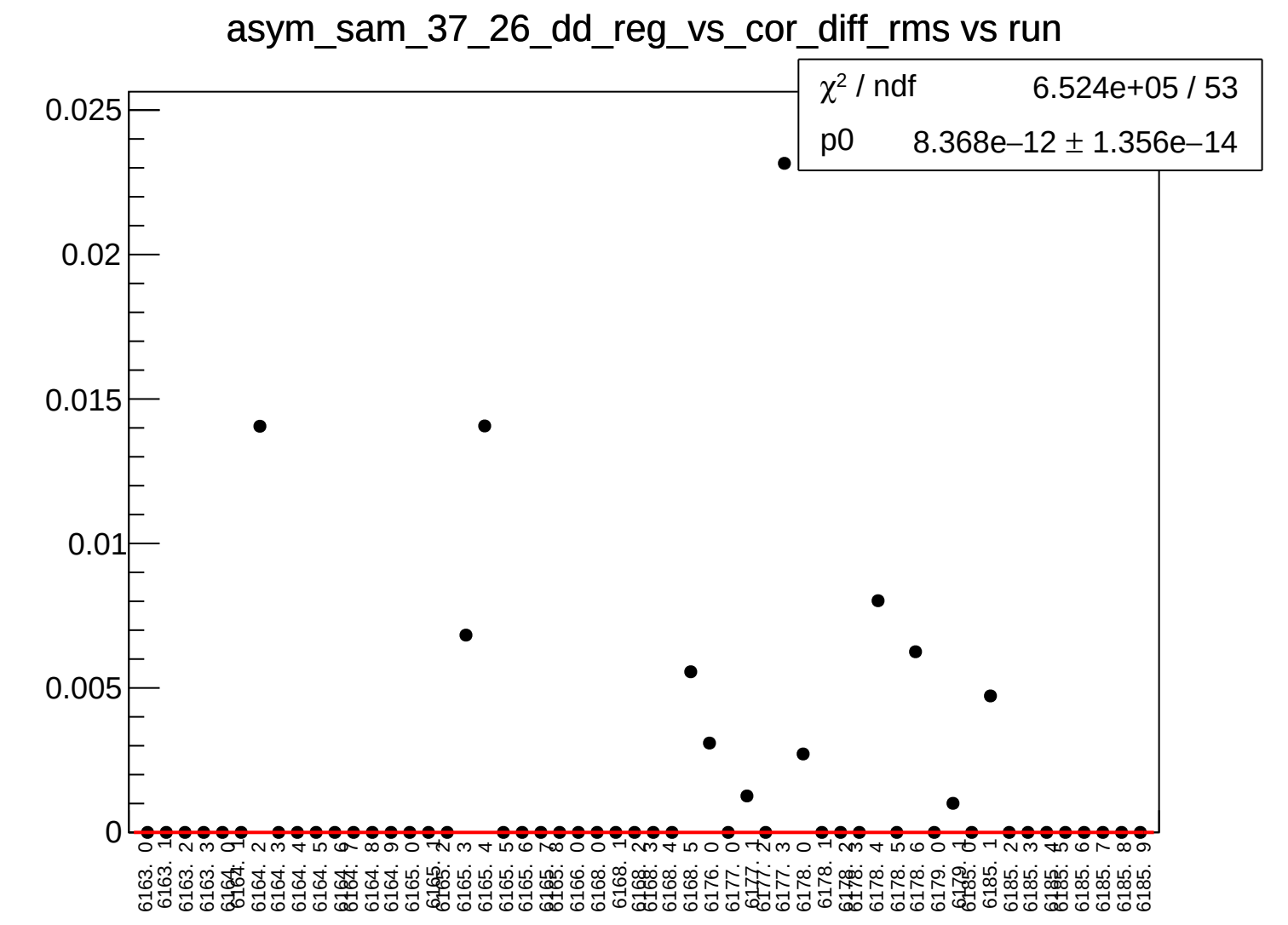

asym_sam_37_26_dd_mean vs run
χ² / ndf 61.26 / 53
p0 −102.3 ± 364.5
10000
5000
0
−5000
−10000
pull
Entries 54
Mean −609.6
Std Dev 0
2
1
0
−1
−2

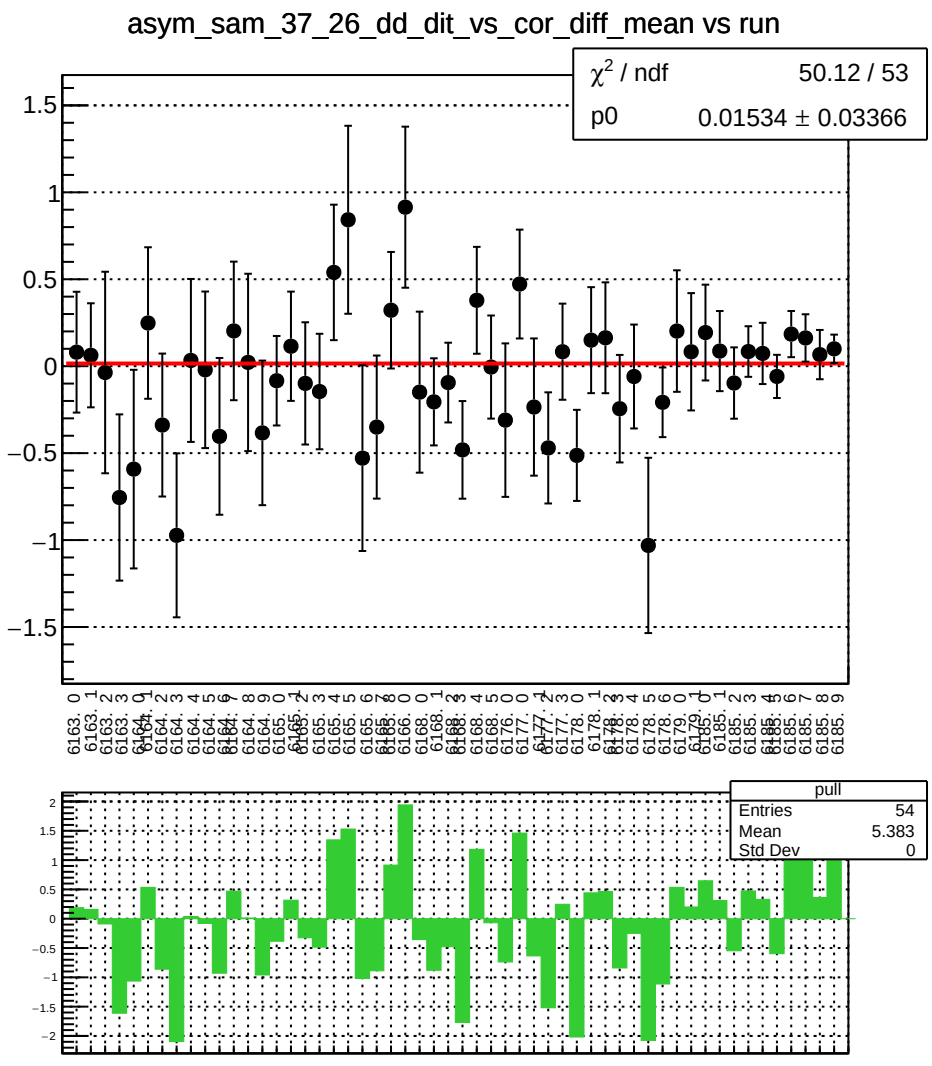

pull1D
Entries 54
Mean −0.00328
Std Dev 1.065
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

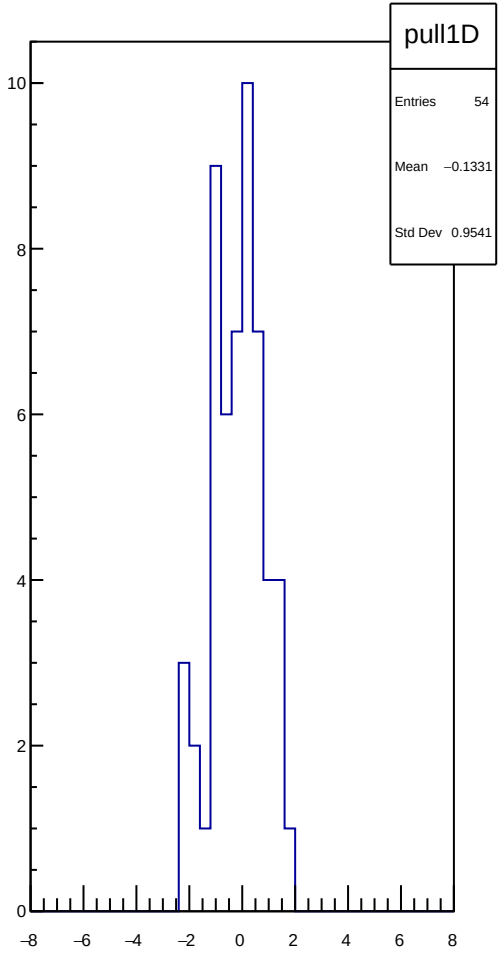

asym_sam_37_26_dd_rms vs run
χ² / ndf 3445 / 53
p0 261.5 ± 0.2578
300
290
280
270
260
250
240
230
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

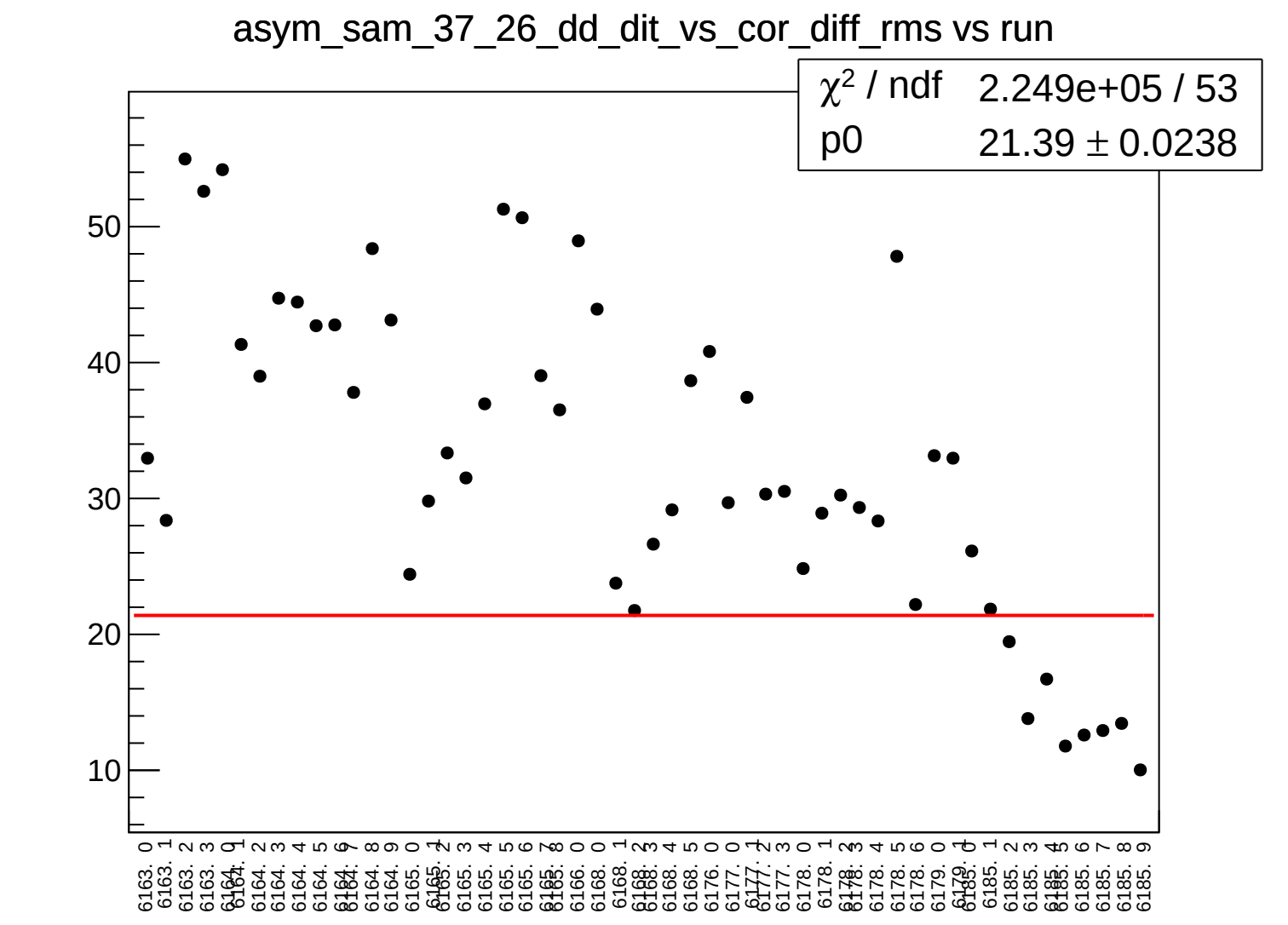

asym_sam_37_26_dd_reg_vs_cor_diff_mean vs run
×10^−3
χ² / ndf 65.23 / 53
p0 1.574e−15 ± 1.918e−14
pull
Entries 54
Mean 15.54
Std Dev 0

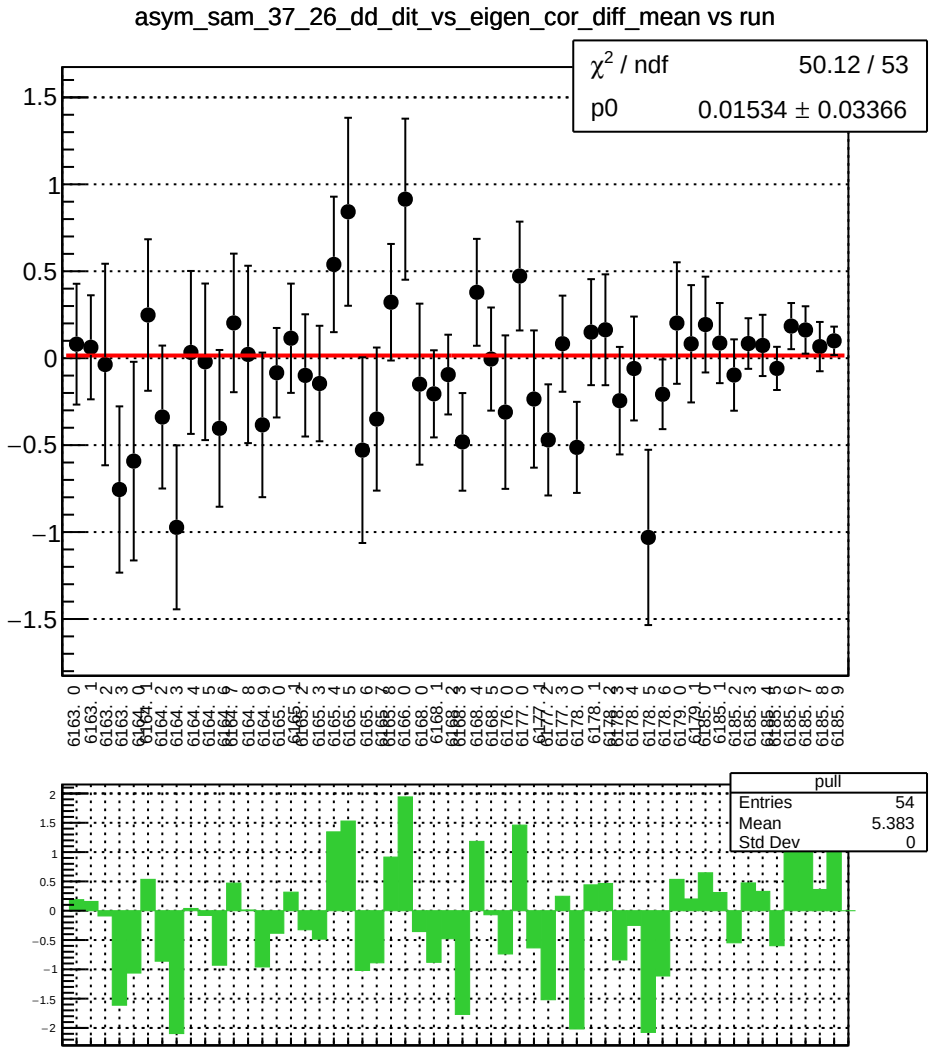

pull1D
Entries 54
Mean 0.1258
Std Dev 1.092

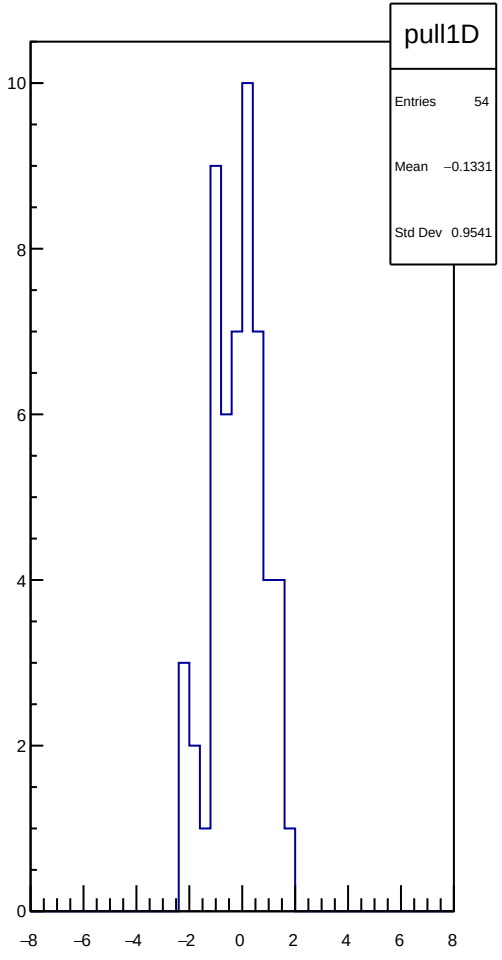

asym_sam_37_26_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.524e+05 / 53
p0 8.368e−12 ± 1.356e−14
0.025
0.02
0.015
0.01
0.005
0
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6179. 1
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

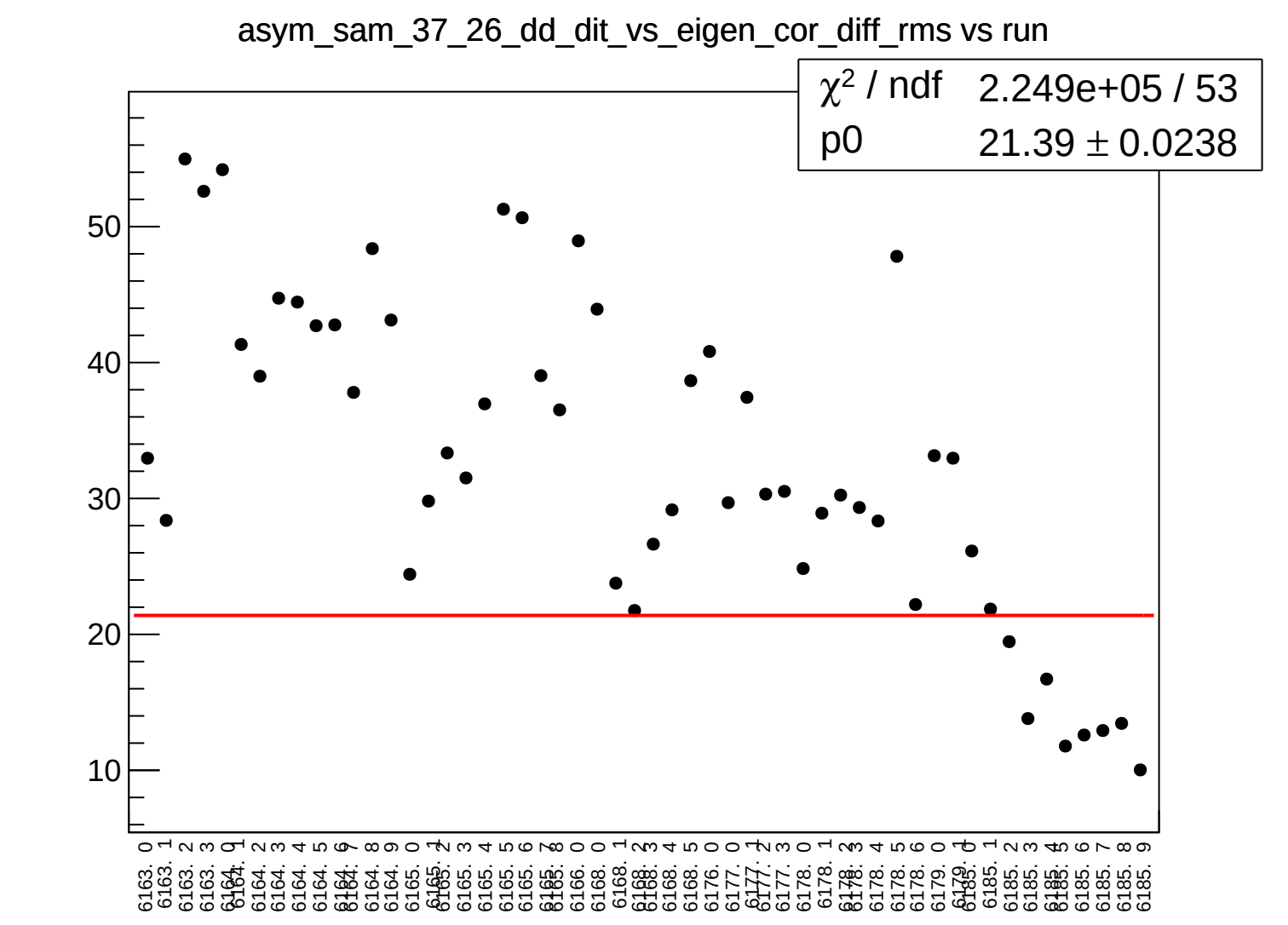

asym_sam_37_26_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 50.12 / 53
p0 0.01534 ± 0.03366
pull
Entries 54
Mean 5.383
Std Dev 0

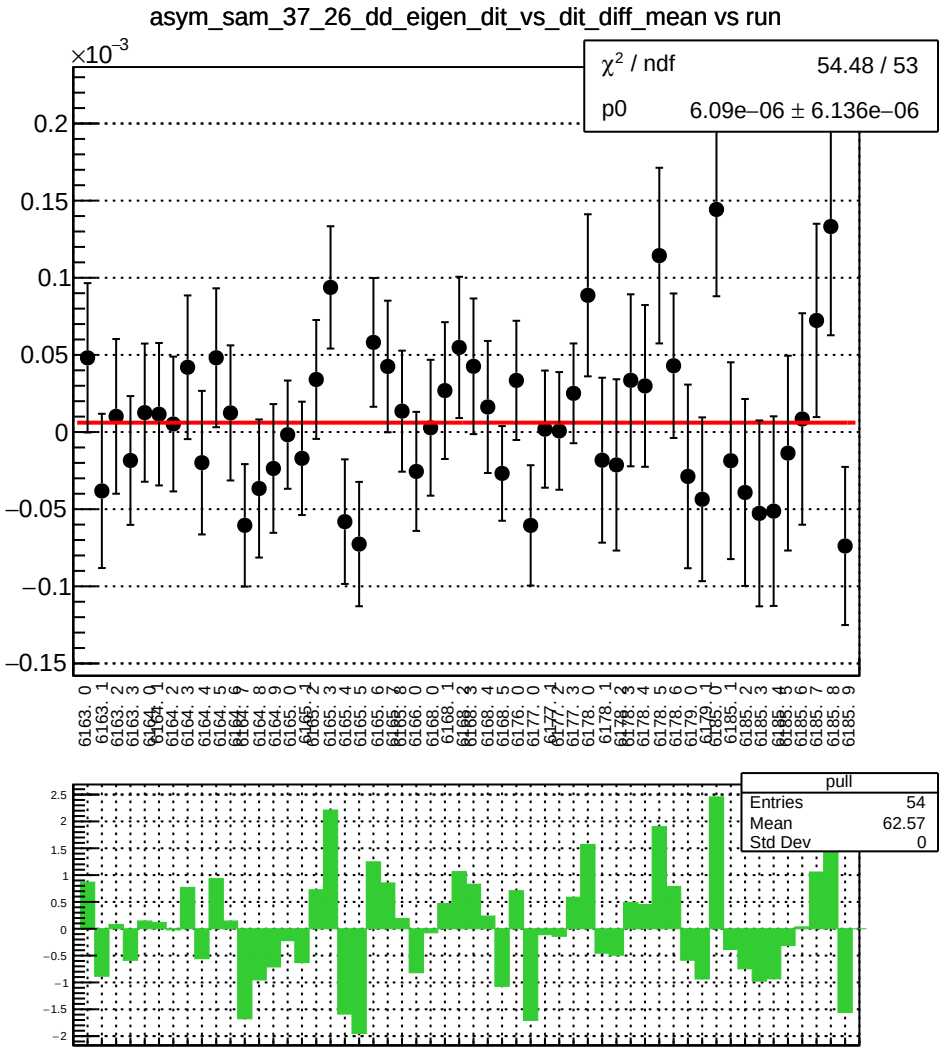

pull1D
Entries 54
Mean −0.1331
Std Dev 0.9541

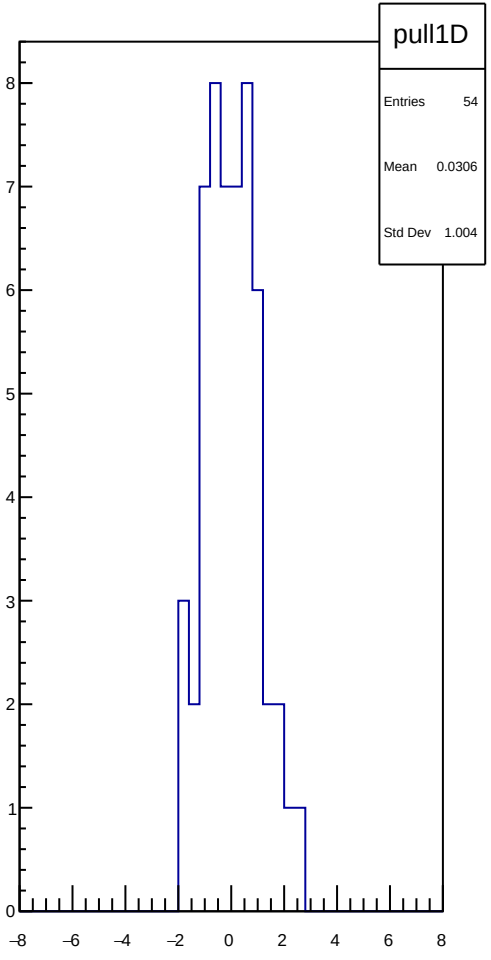

asym_sam_37_26_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.249e+05 / 53
p0 21.39 ± 0.0238
50
40
30
20
10
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

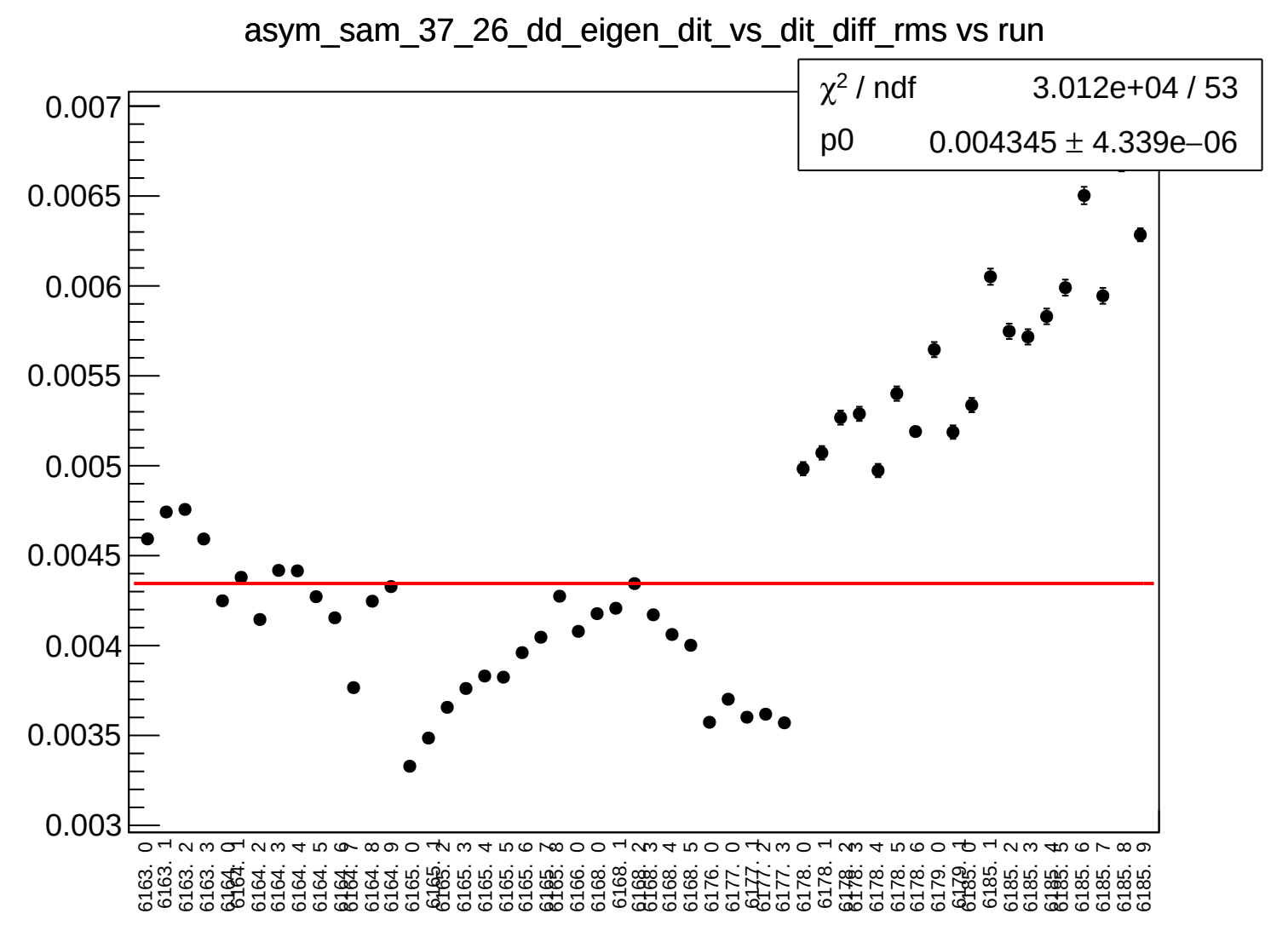

asym_sam_37_26_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 50.12 / 53
p0 0.01534 ± 0.03366
pull
Entries 54
Mean 5.383
Std Dev 0

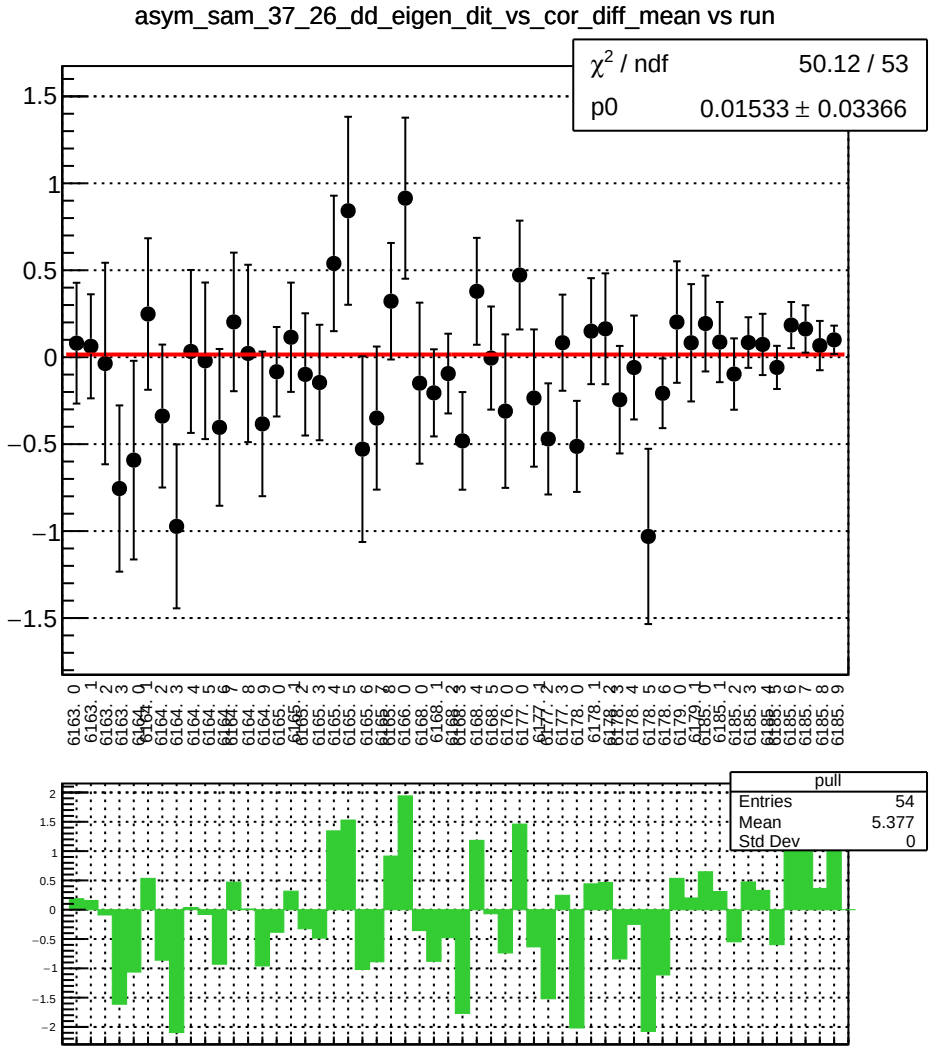

pull1D
Entries 54
Mean −0.1331
Std Dev 0.9541

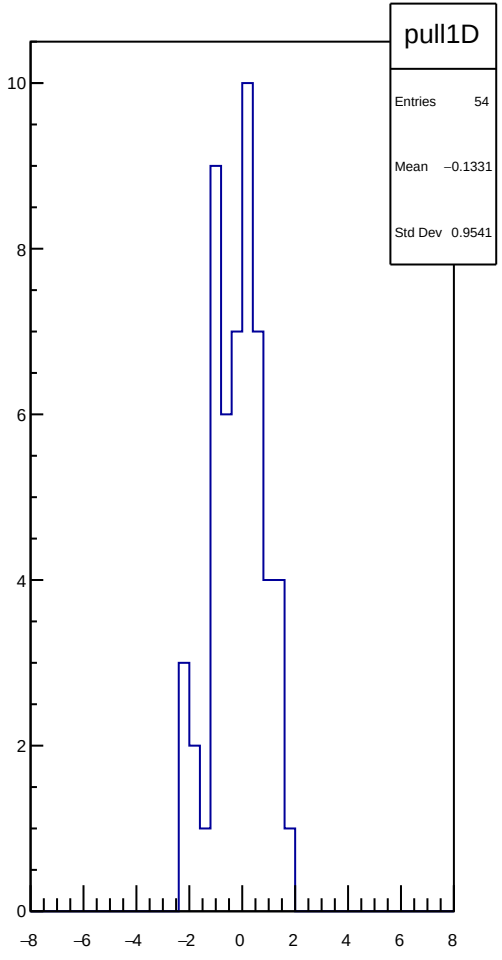

asym_sam_37_26_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.249e+05 / 53
p0 21.39 ± 0.0238
50
40
30
20
10
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

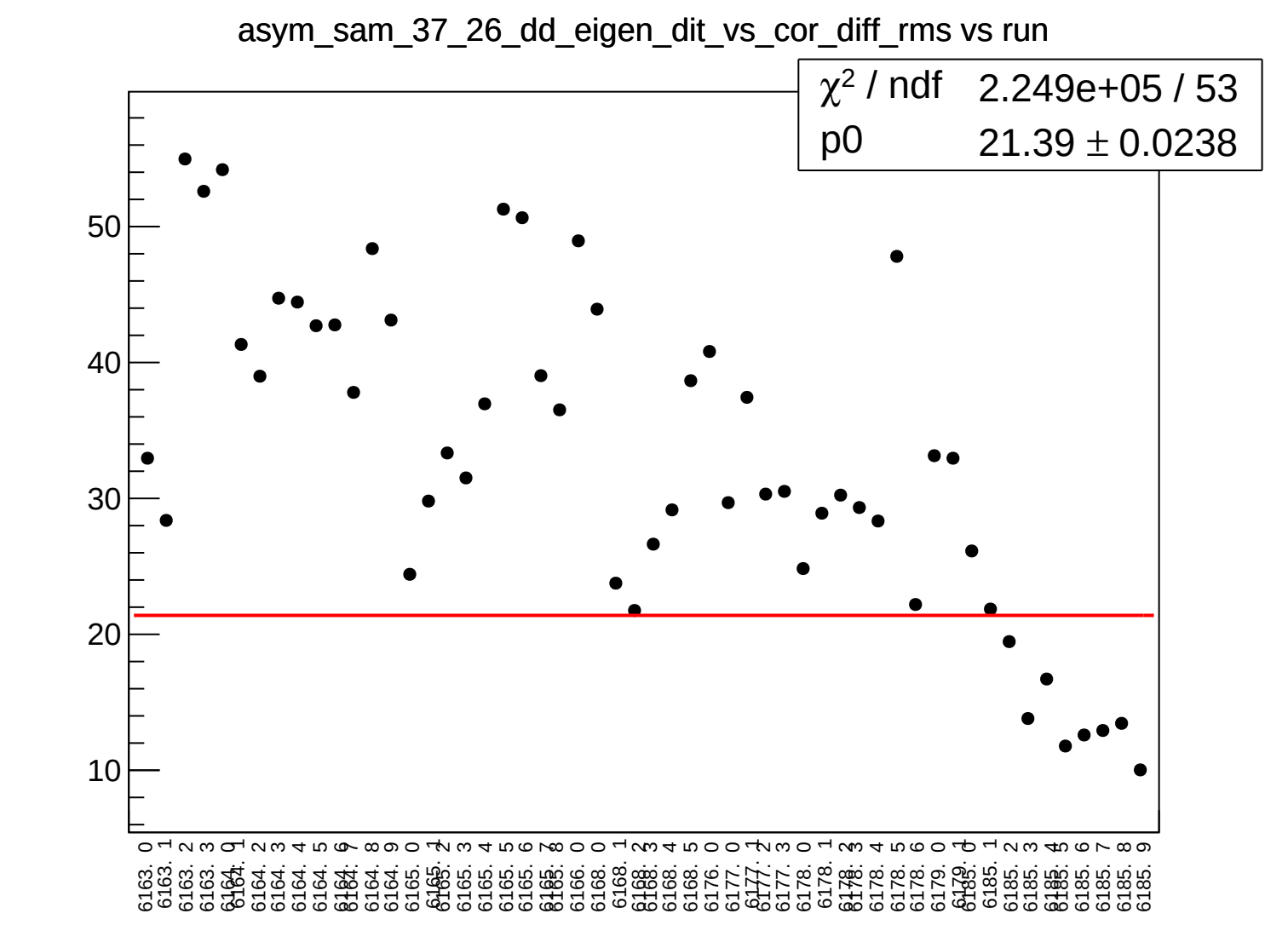

asym_sam_37_26_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 54.48 / 53
p0 6.09e−06 ± 6.136e−06
pull
Entries 54
Mean 62.57
Std Dev 0

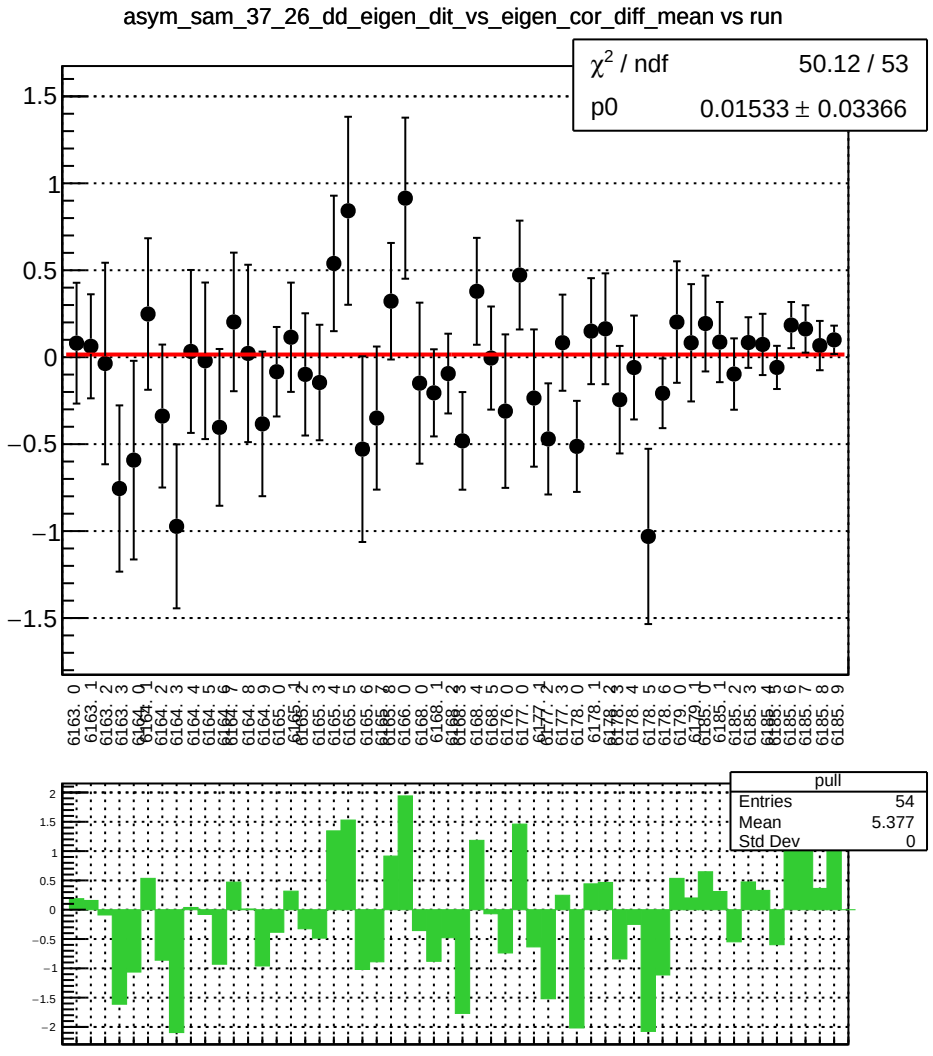

pull1D
Entries 54
Mean 0.0306
Std Dev 1.004

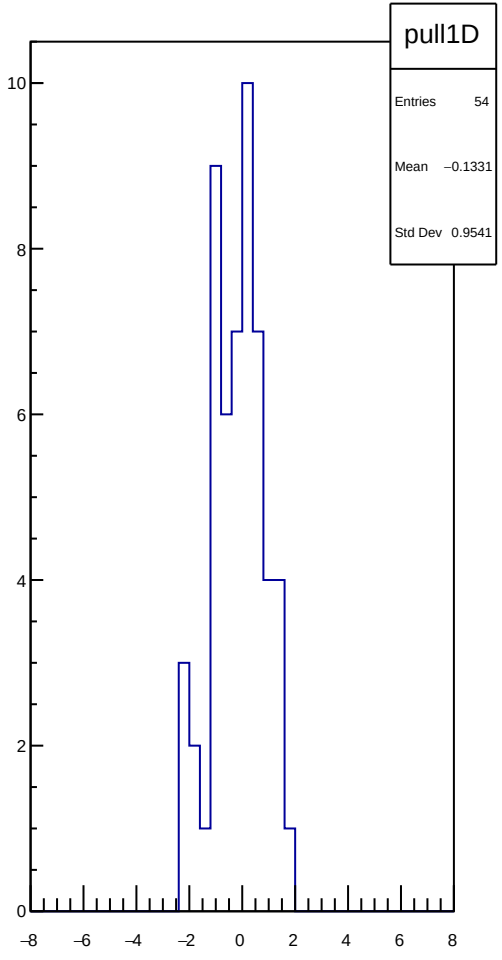

asym_sam_37_26_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3.012e+04 / 53
p0 0.004345 ± 4.339e−06
0.007
0.0065
0.006
0.0055
0.005
0.0045
0.004
0.0035
0.003
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

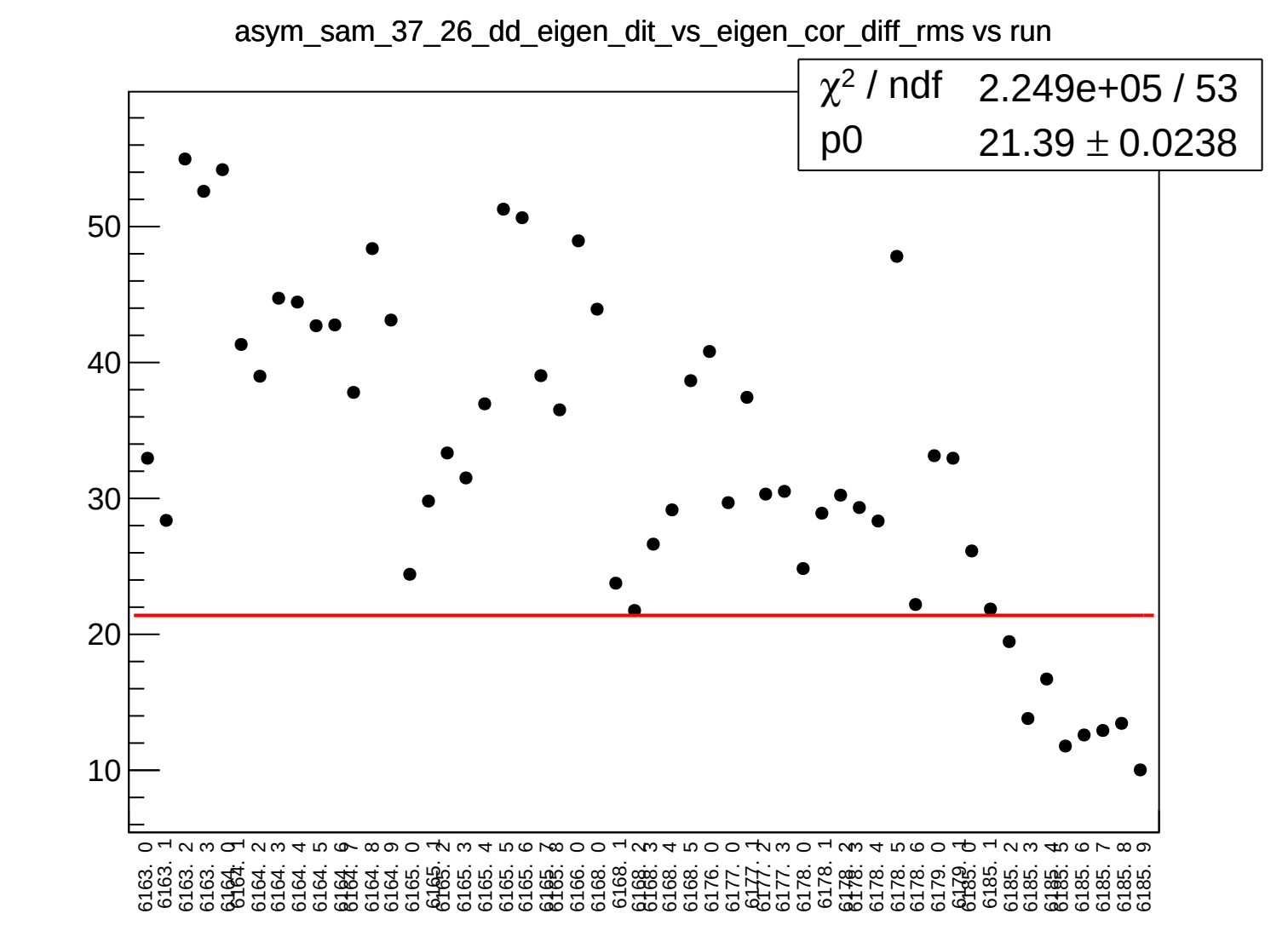

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 50.12 / 53
p0 0.01533 ± 0.03366
pull
Entries 54
Mean 5.377
Std Dev 0

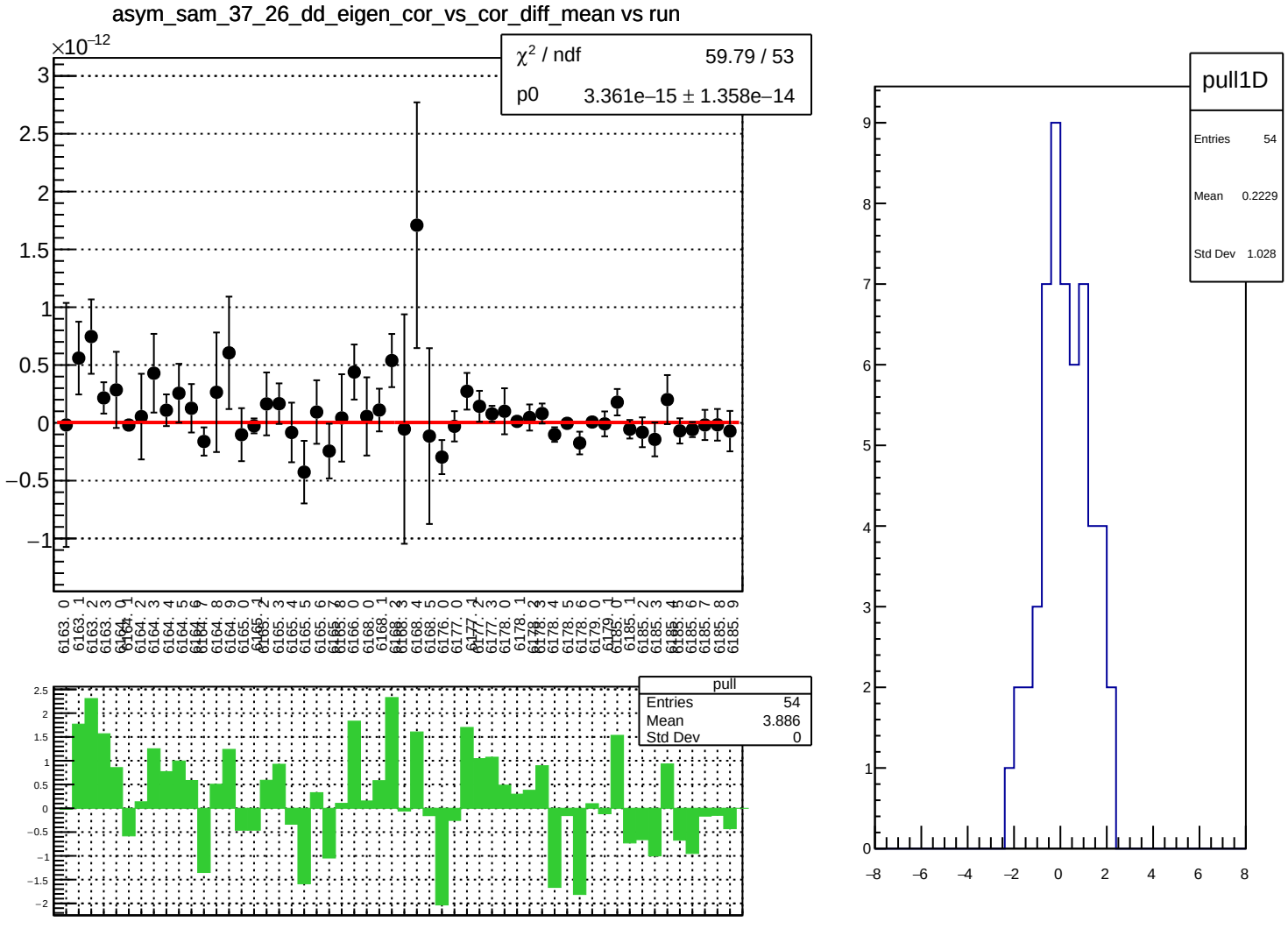

pull1D
Entries 54
Mean −0.1331
Std Dev 0.9541

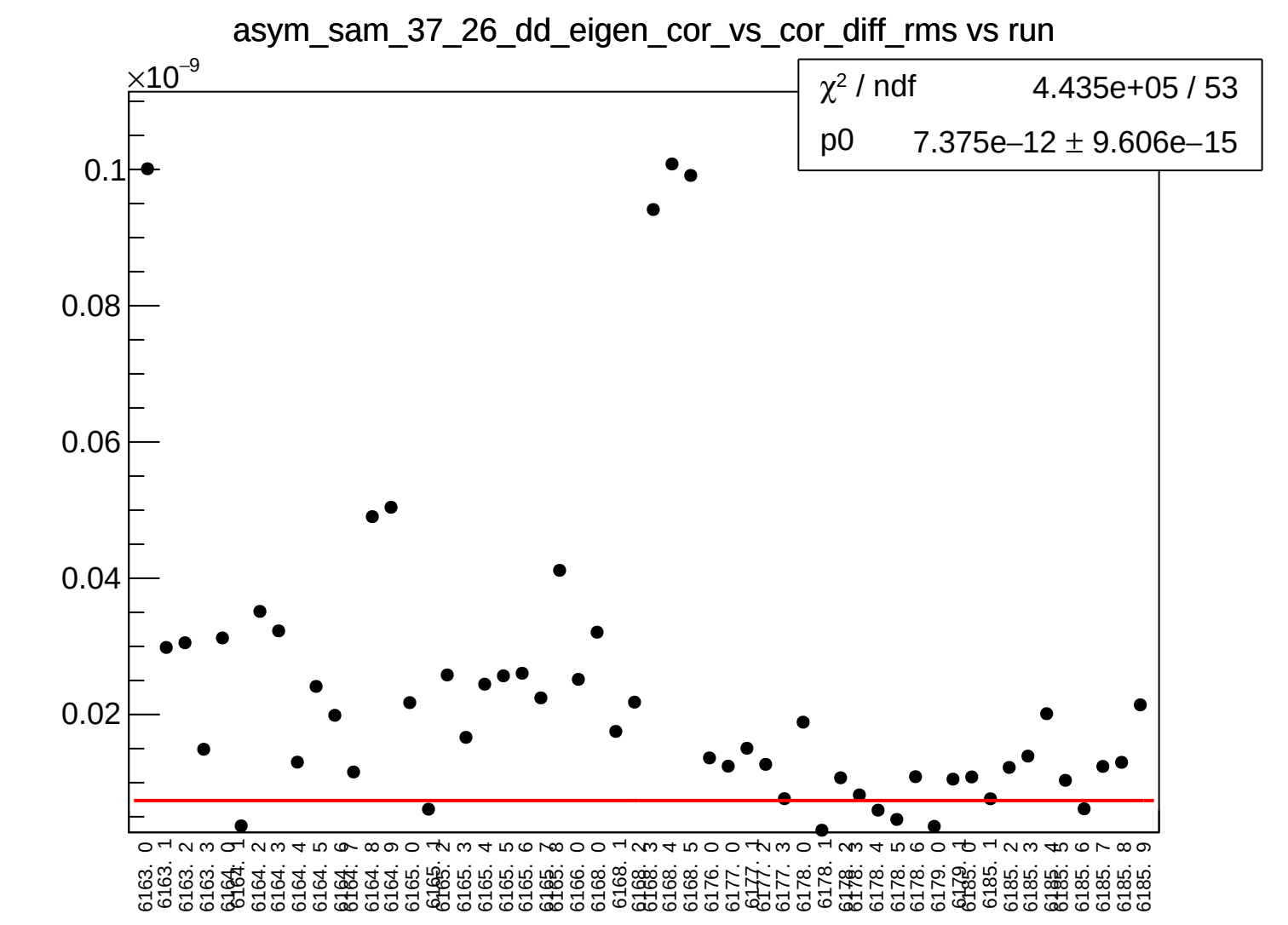

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.249e+05 / 53
p0 21.39 ± 0.0238
50
40
30
20
10
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

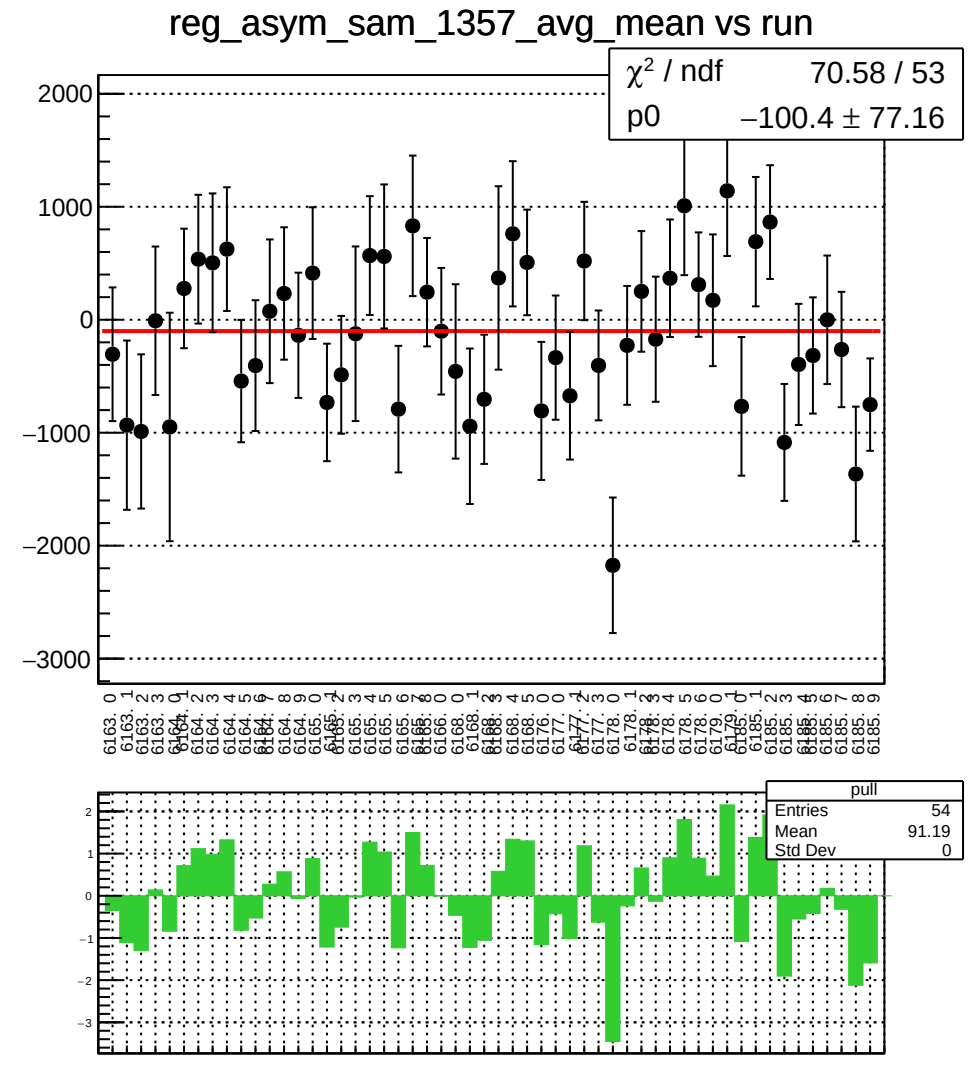

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 50.12 / 53
p0 0.01533 ± 0.03366
pull
Entries 54
Mean 5.377
Std Dev 0

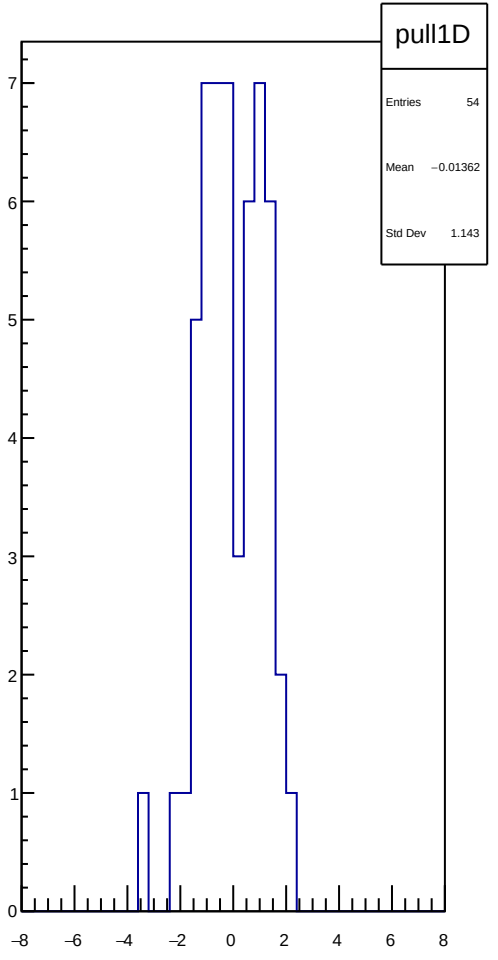

pull1D
Entries 54
Mean −0.1331
Std Dev 0.9541

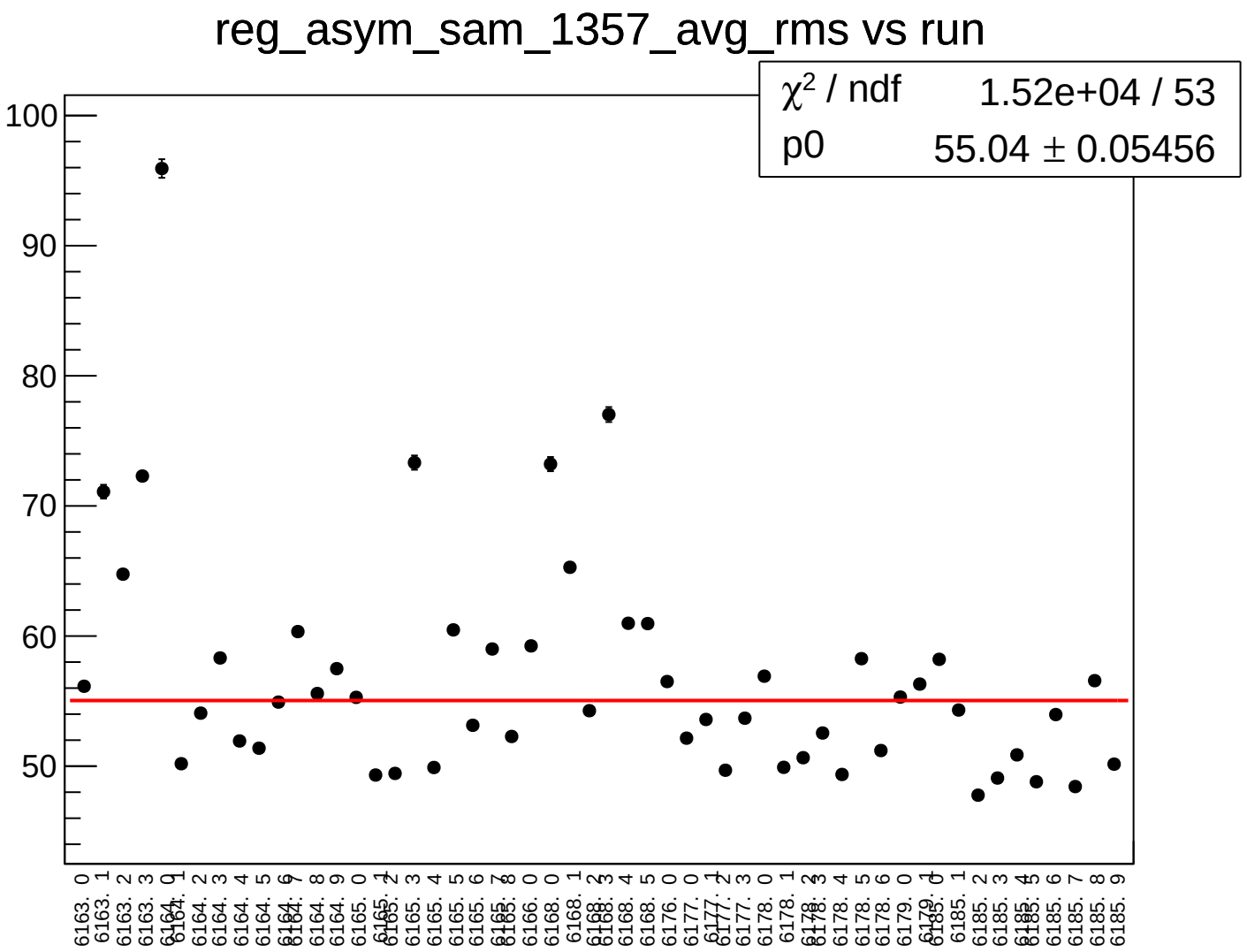

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.249e+05 / 53
p0 21.39 ± 0.0238
50
40
30
20
10
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

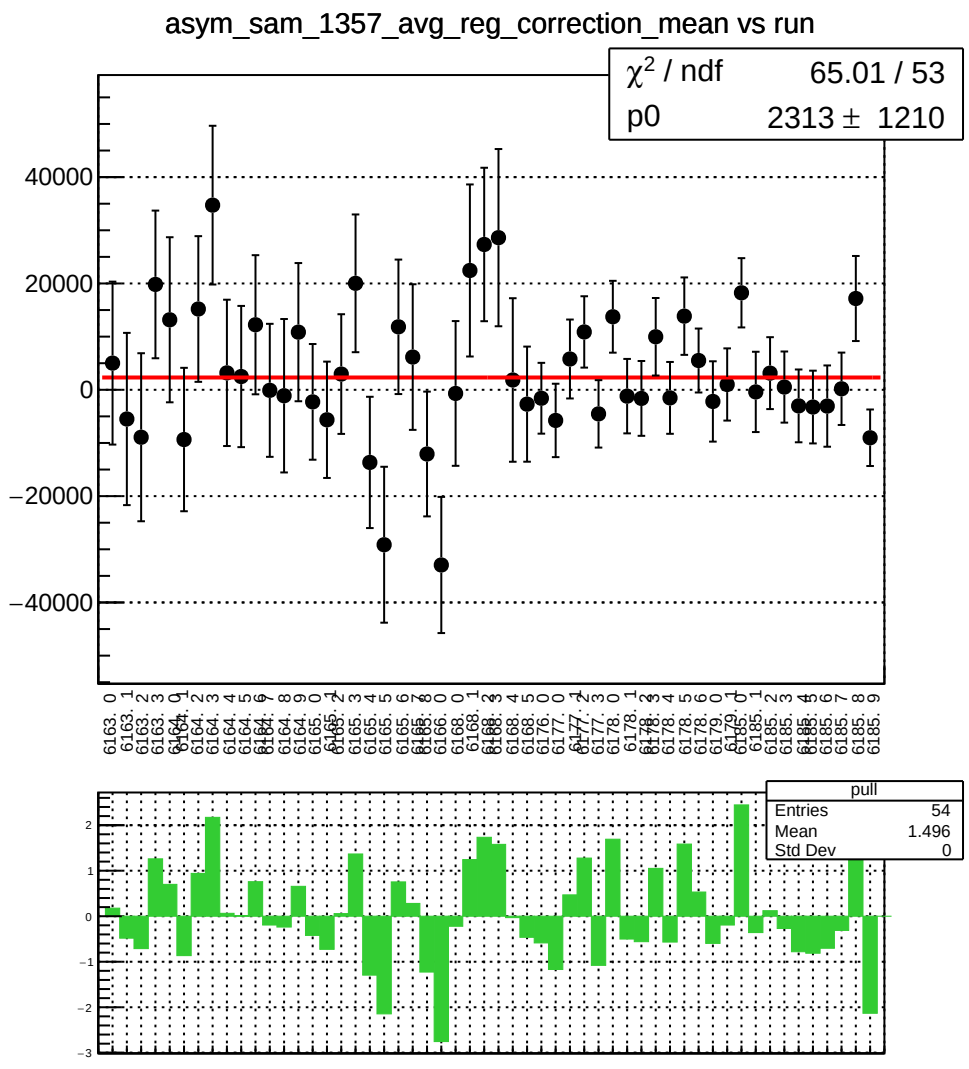

asym_sam_37_26_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 59.79 / 53
p0 3.361e−15 ± 1.358e−14
pull
Entries 54
Mean 3.886
Std Dev 0
pull1D
Entries 54
Mean 0.2229
Std Dev 1.028

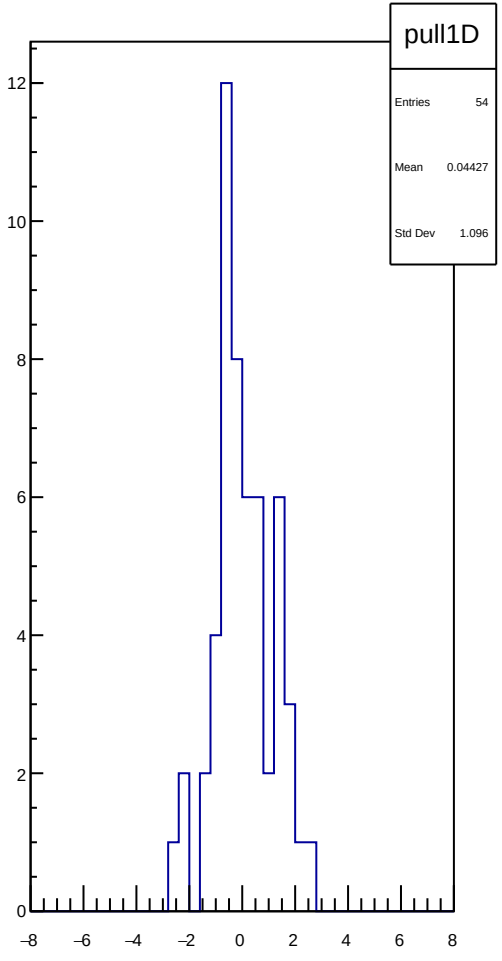

asym_sam_37_26_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.435e+05 / 53
p0 7.375e−12 ± 9.606e−15
0.1
0.08
0.06
0.04
0.02
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

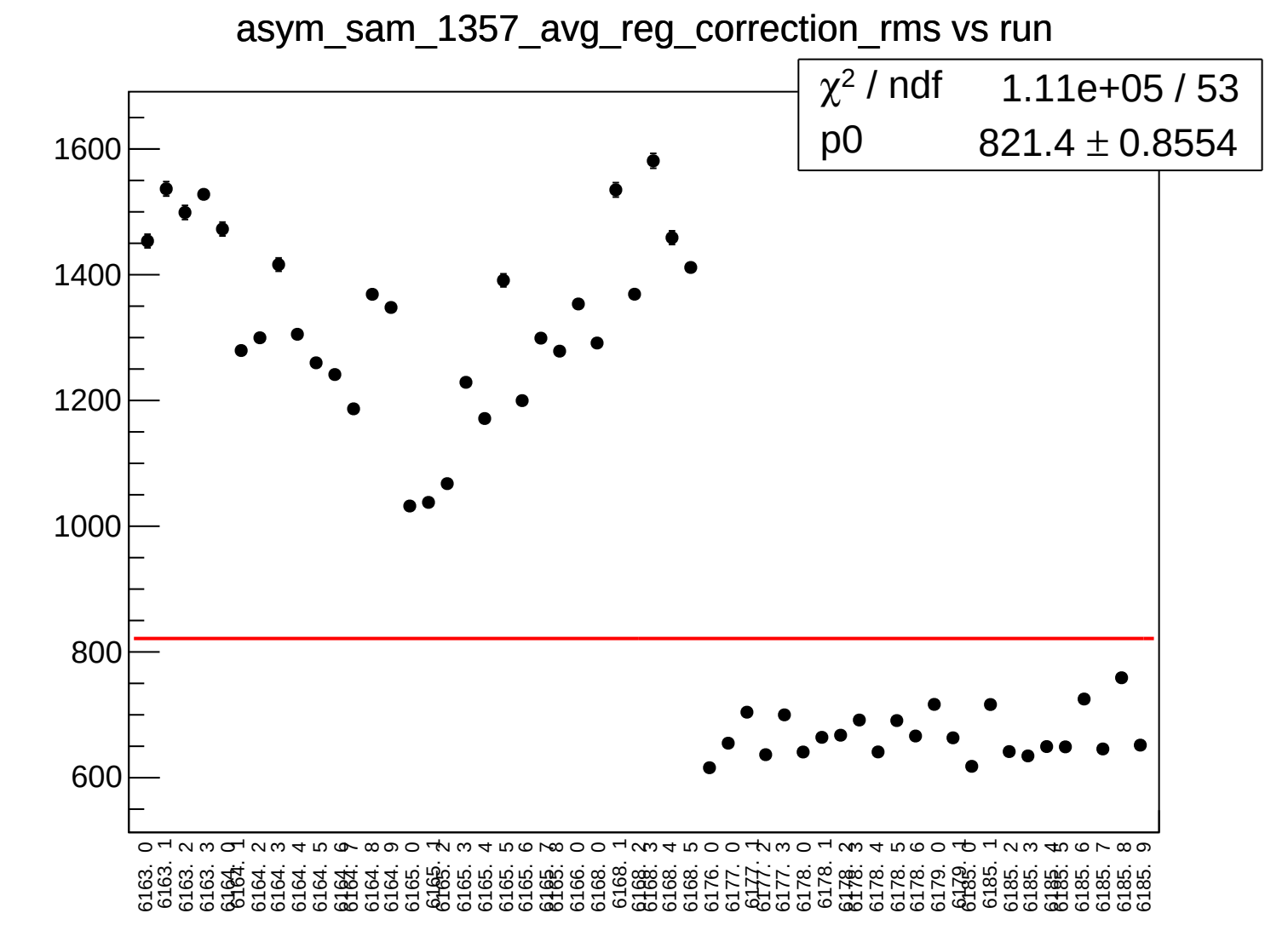

reg_asym_sam_1357_avg_mean vs run
χ² / ndf 70.58 / 53
p0 −100.4 ± 77.16
pull
Entries 54
Mean 91.19
Std Dev 0

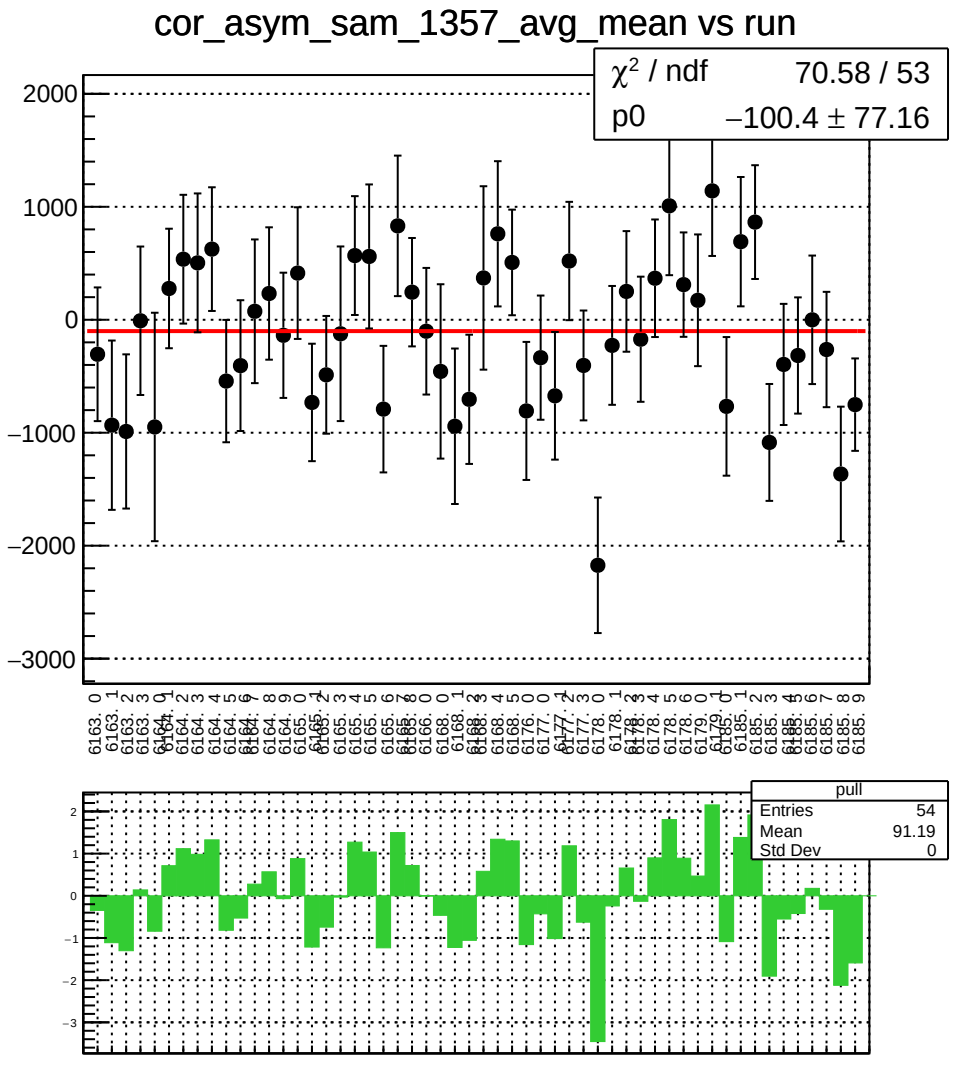

pull1D
Entries 54
Mean −0.01362
Std Dev 1.143

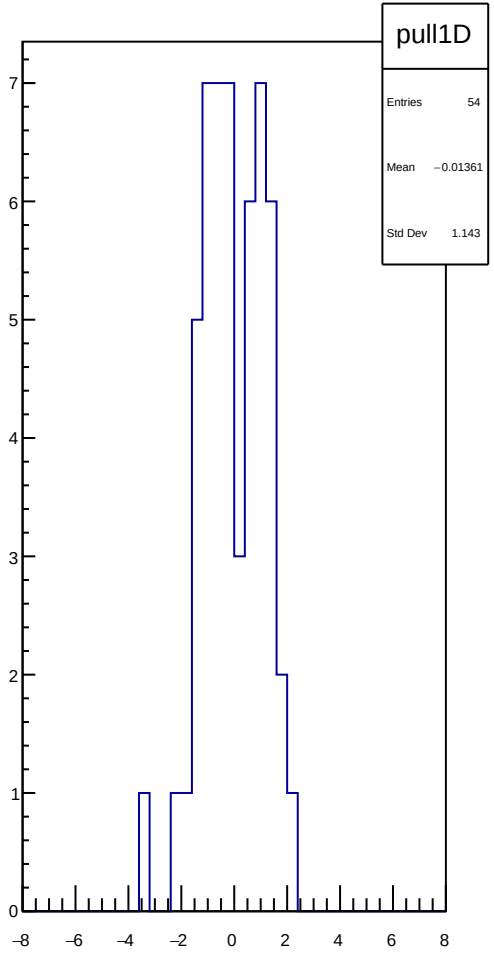

reg_asym_sam_1357_avg_rms vs run
χ^2 / ndf 1.52e+04 / 53
p0 55.04 ± 0.05456
100
90
80
70
60
50
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

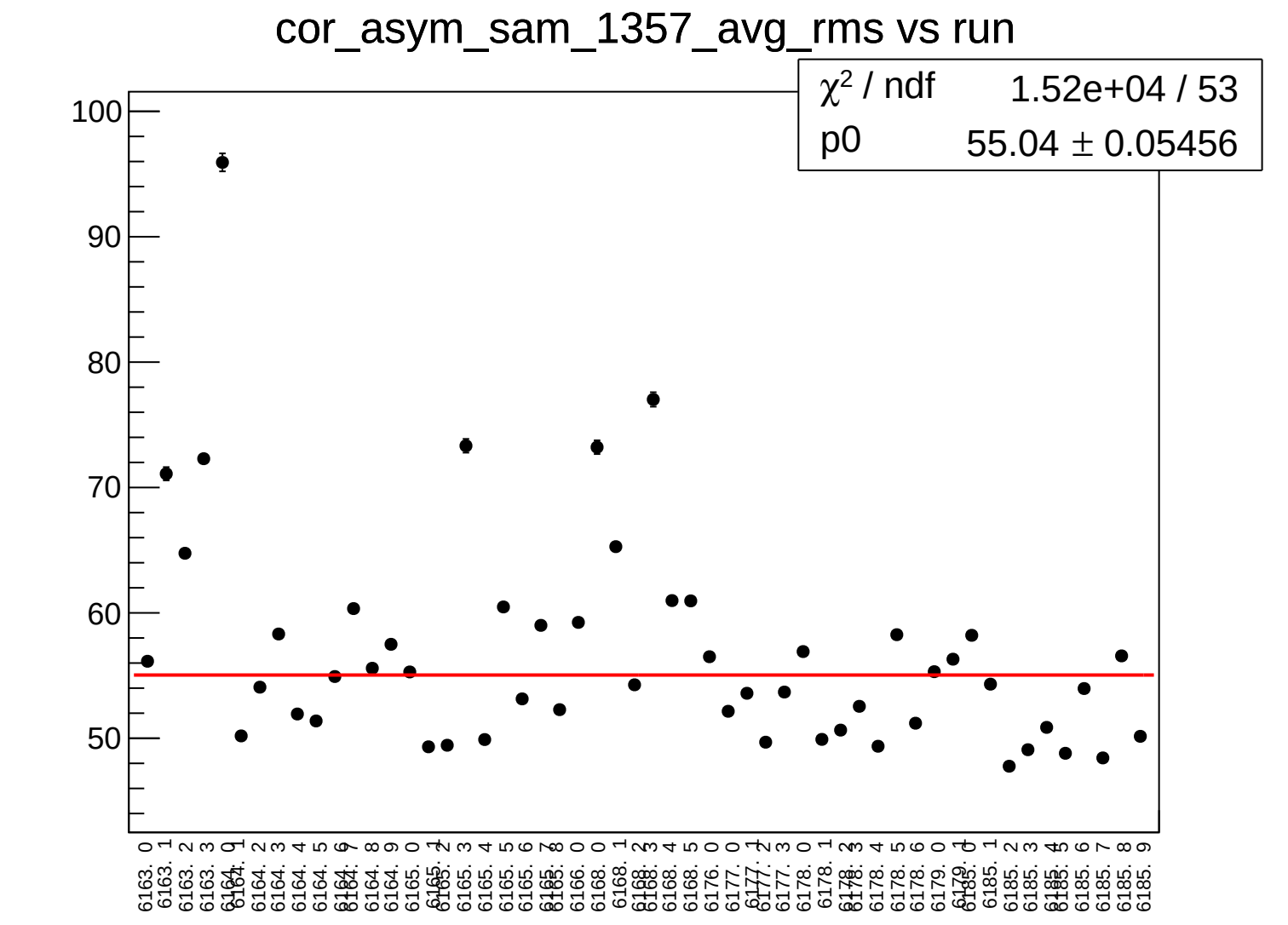

asym_sam_1357_avg_reg_correction_mean vs run
χ² / ndf 65.01 / 53
p0 2313 ± 1210
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 1.496
Std Dev 0
2
1
0
−1
−2
−3

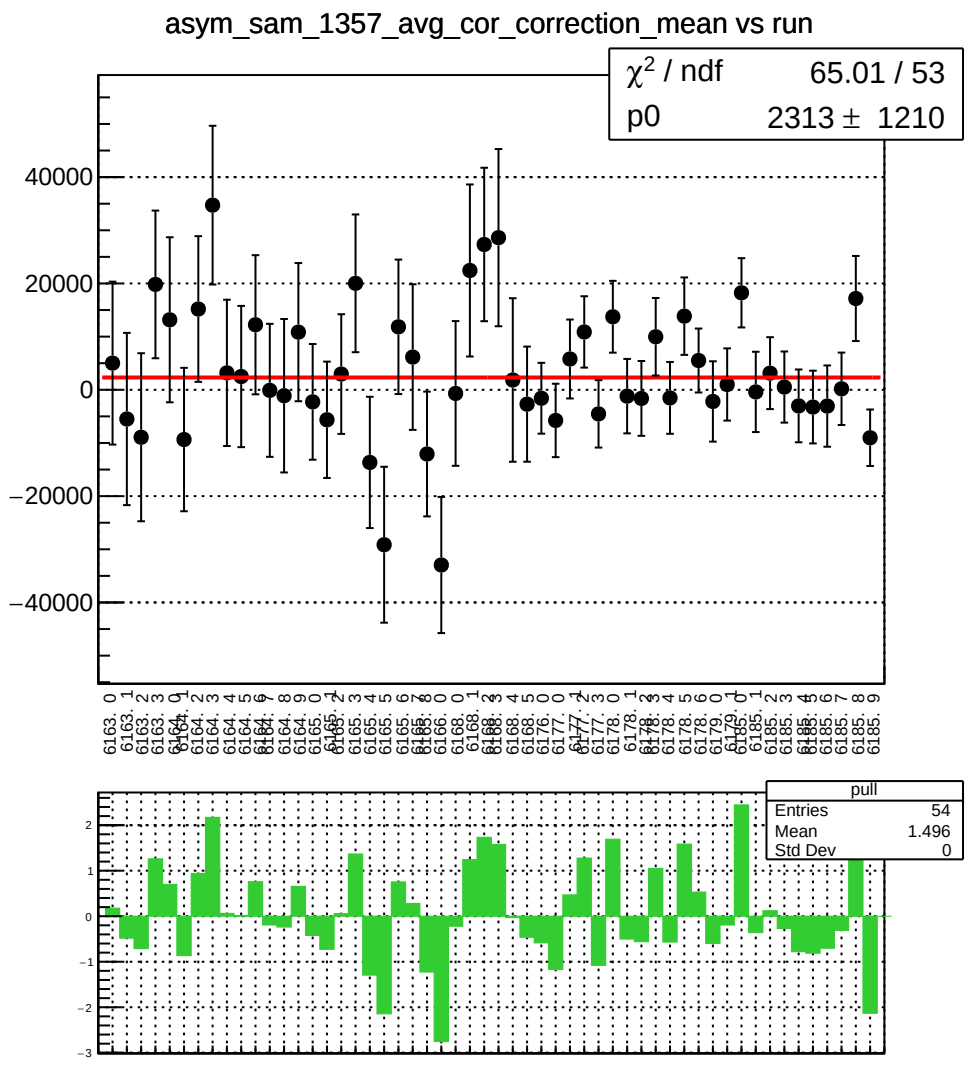

pull1D
Entries 54
Mean 0.04427
Std Dev 1.096
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

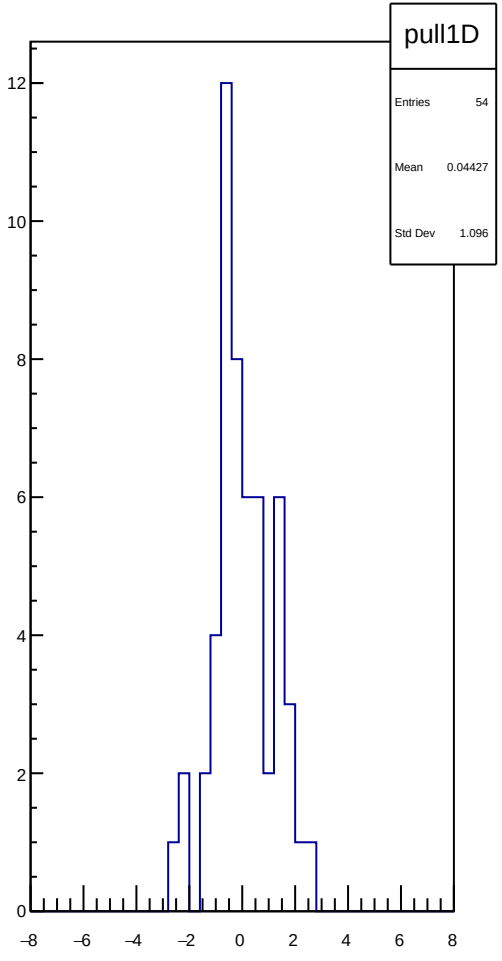

asym_sam_1357_avg_reg_correction_rms vs run
χ² / ndf 1.11e+05 / 53
p0 821.4 ± 0.8554
1600
1400
1200
1000
800
600
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

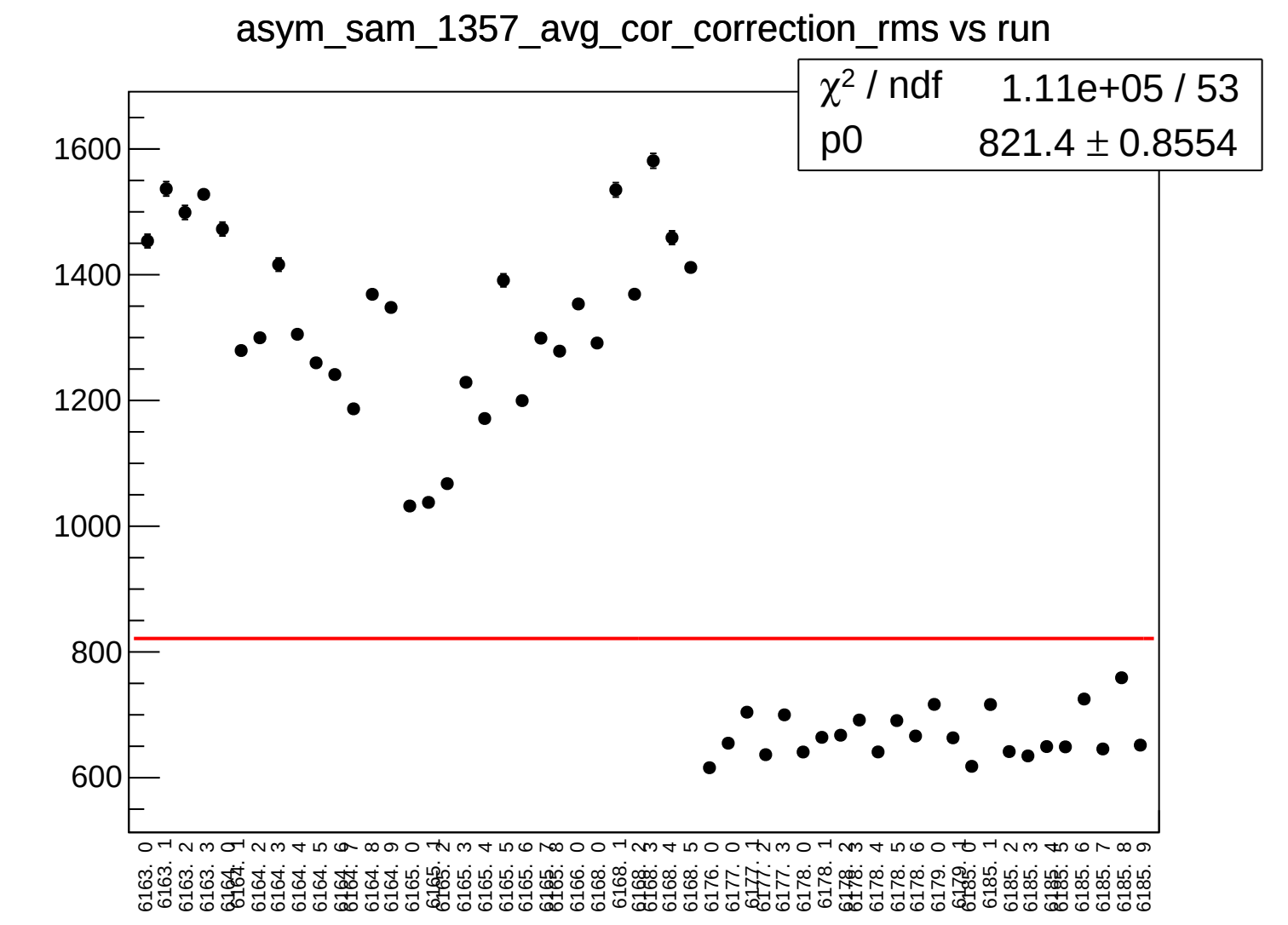

cor_asym_sam_1357_avg_mean vs run
χ² / ndf 70.58 / 53
p0 −100.4 ± 77.16
pull
Entries 54
Mean 91.19
Std Dev 0


pull1D
Entries 54
Mean −0.01361
Std Dev 1.143


cor_asym_sam_1357_avg_rms vs run
χ^2 / ndf 1.52e+04 / 53
p0 55.04 ± 0.05456
100
90
80
70
60
50
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


asym_sam_1357_avg_cor_correction_mean vs run
χ² / ndf 65.01 / 53
p0 2313 ± 1210
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 1.496
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 54
Mean 0.04427
Std Dev 1.096
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_1357_avg_cor_correction_rms vs run
χ² / ndf 1.11e+05 / 53
p0 821.4 ± 0.8554
1600
1400
1200
1000
800
600
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
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6185. 3
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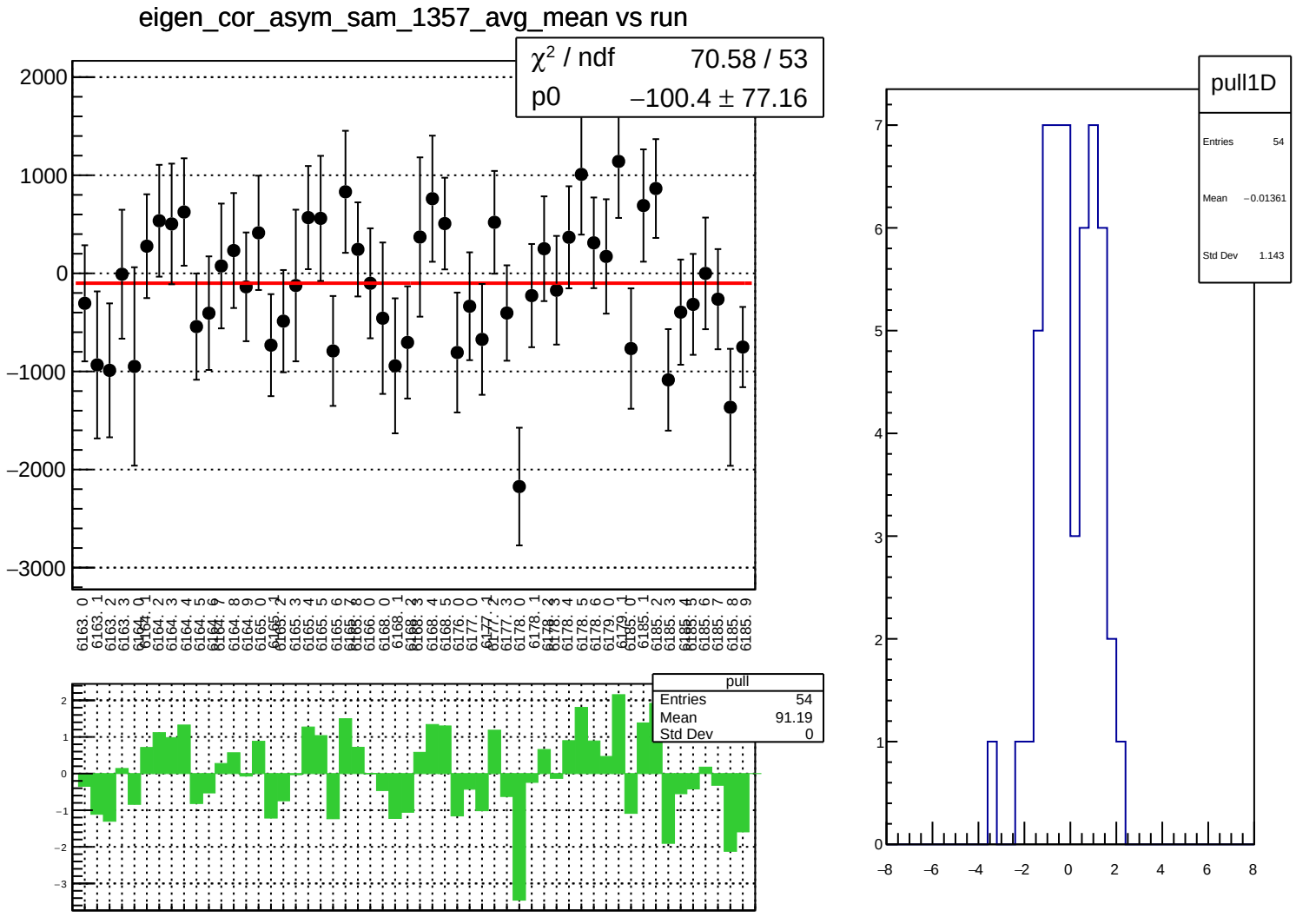
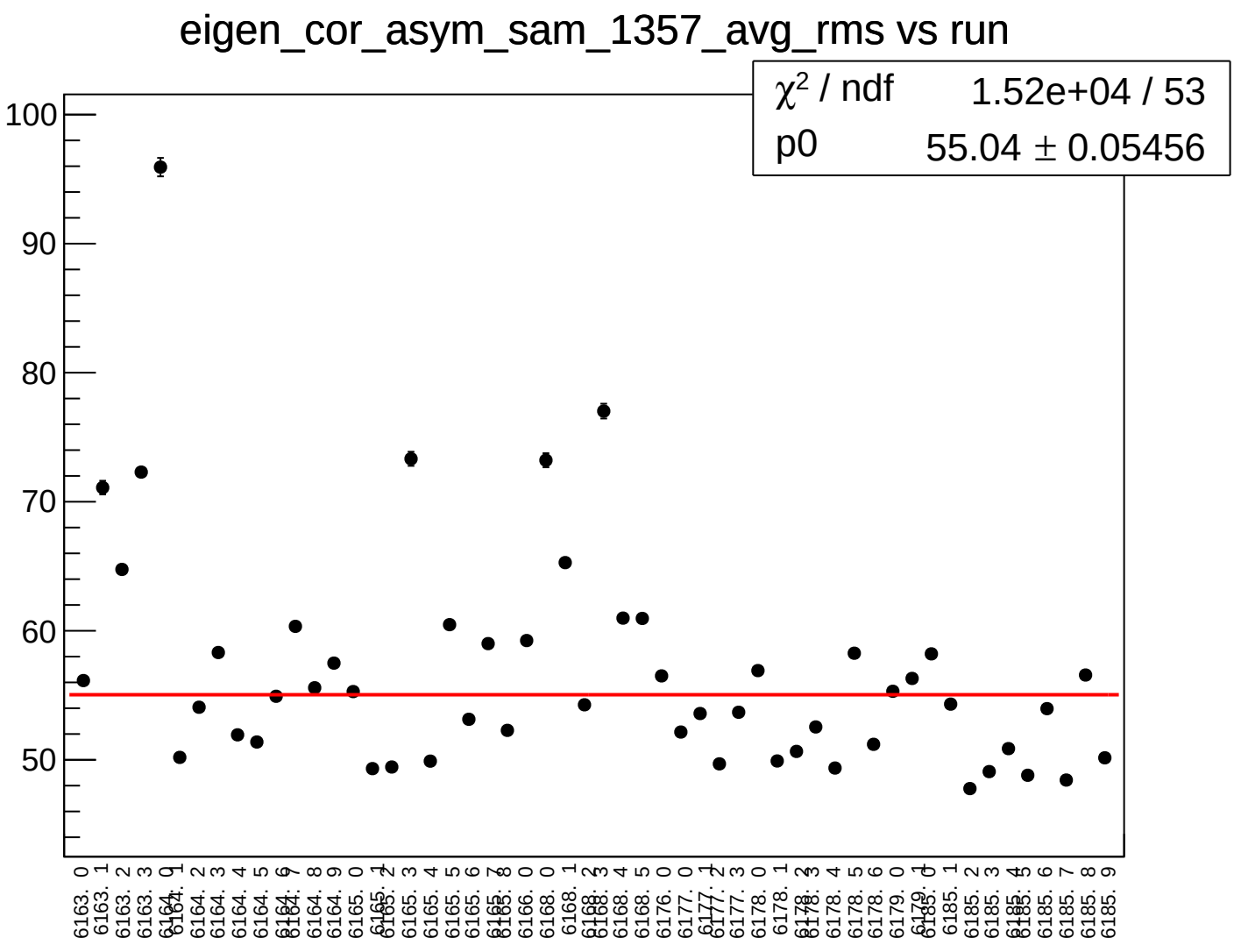
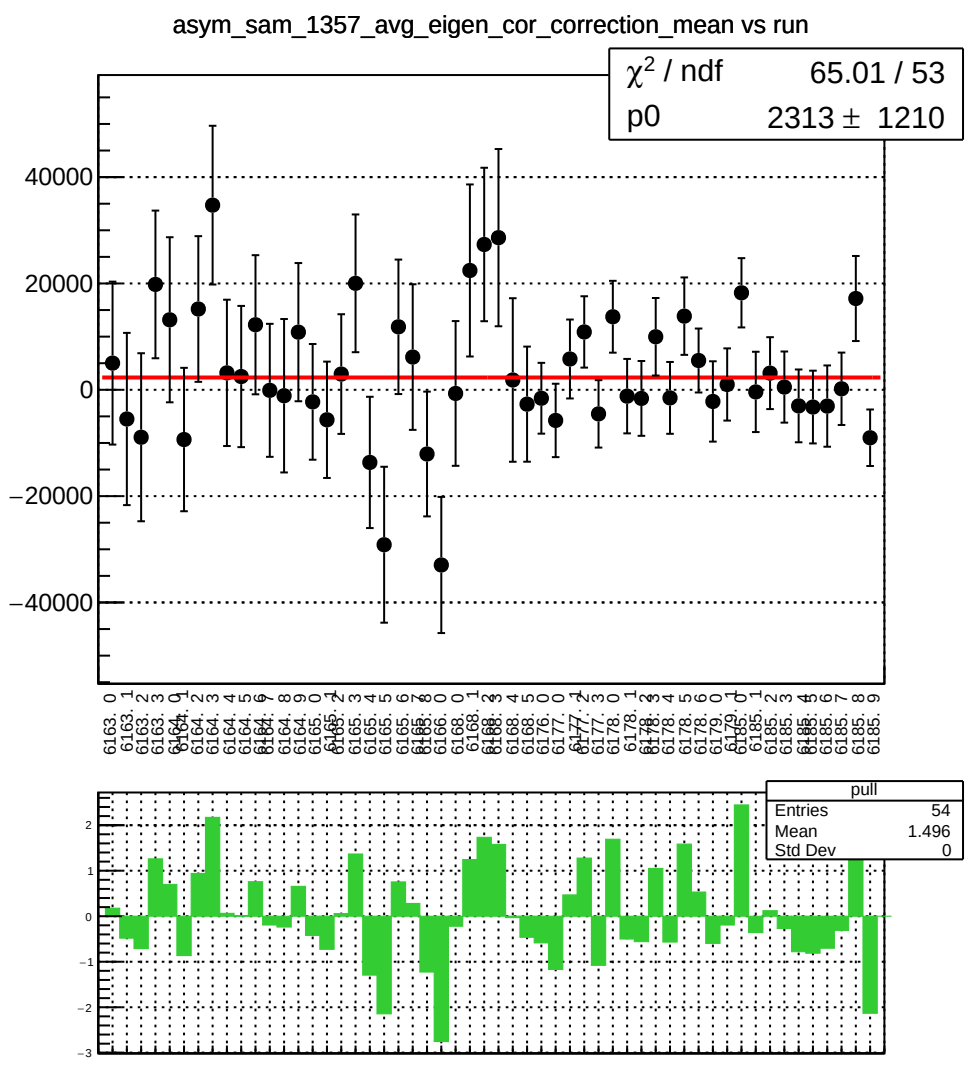
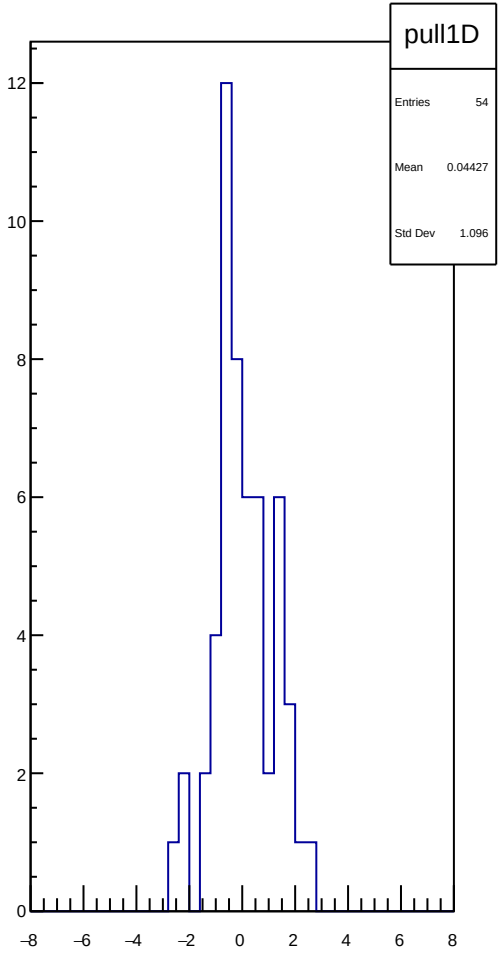
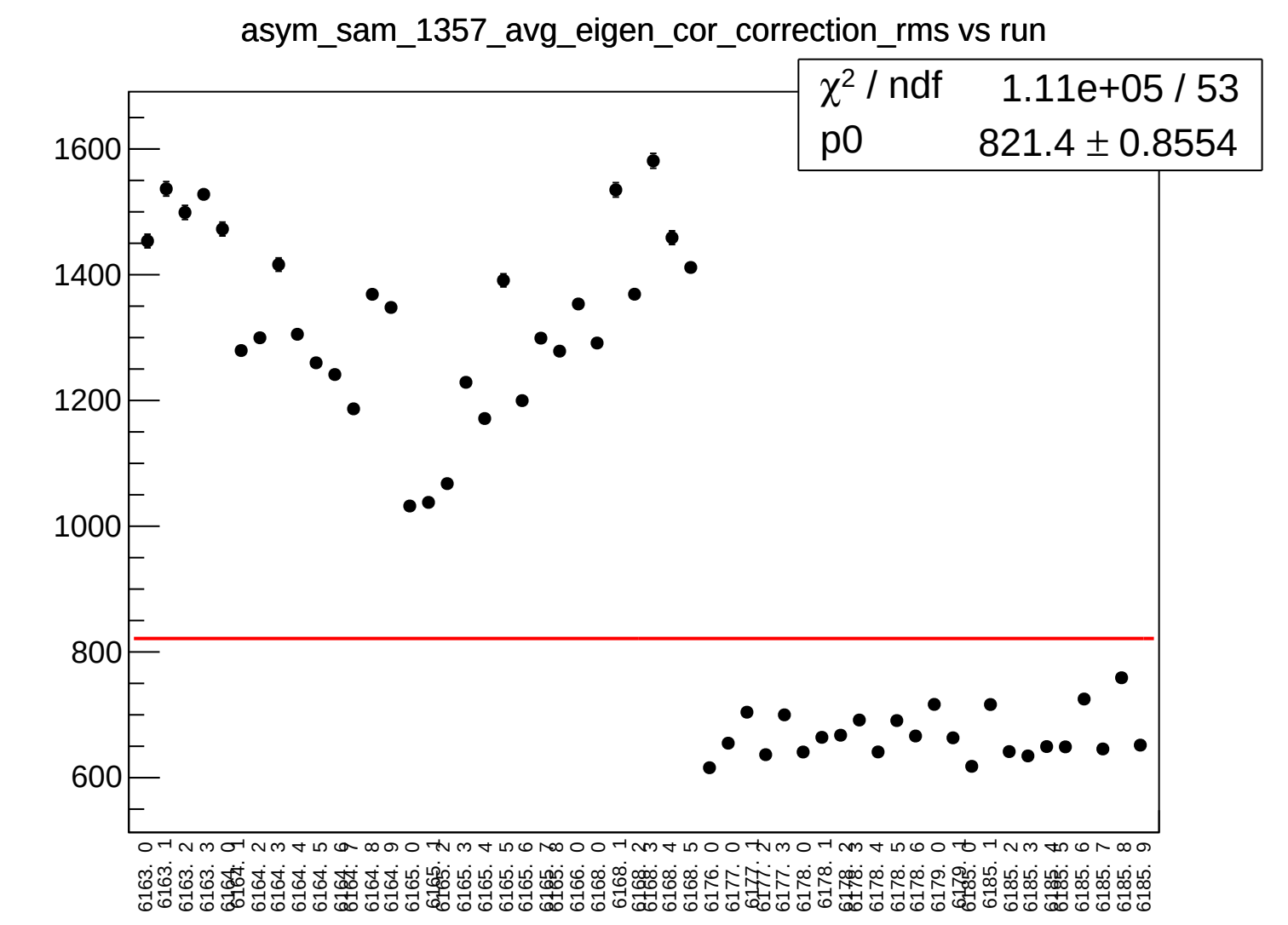
6185. 8
6185. 9

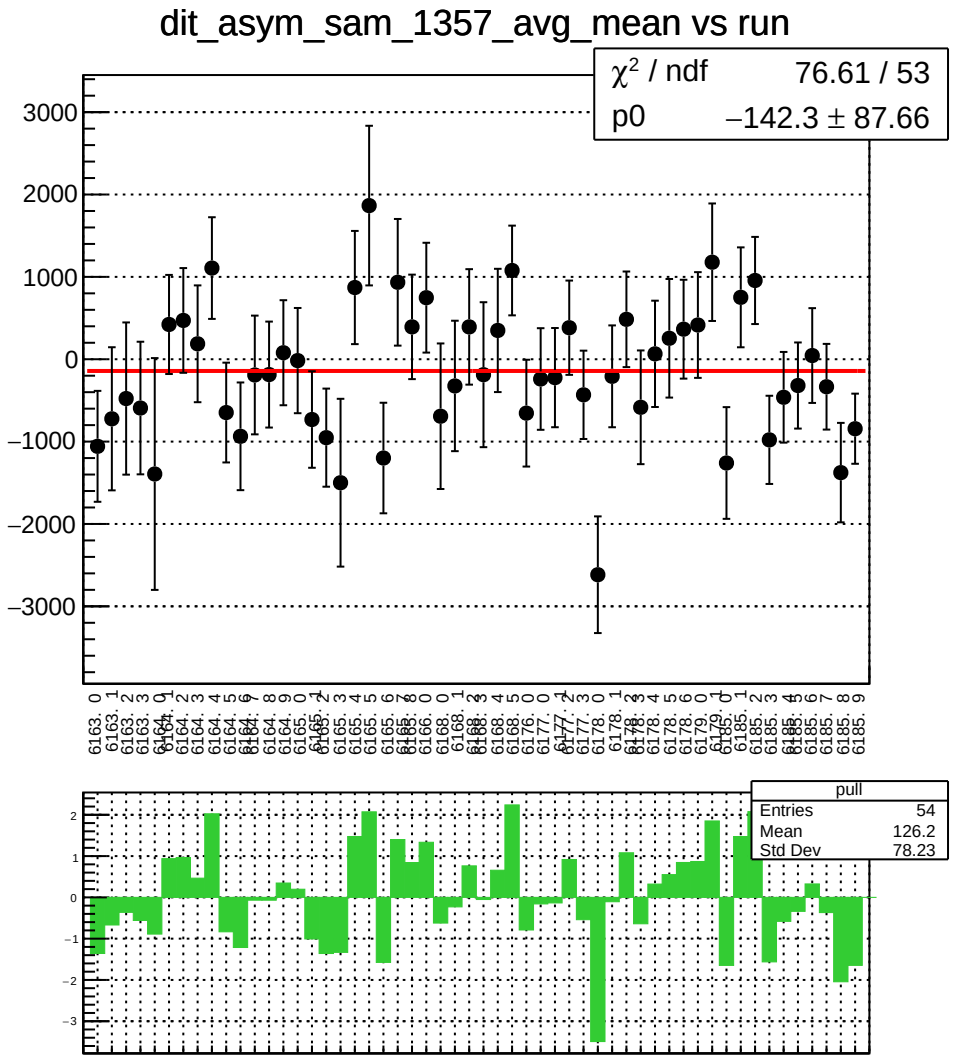

eigen_cor_asym_sam_1357_avg_mean vs run
χ² / ndf 70.58 / 53
p0 −100.4 ± 77.16
pull
Entries 54
Mean 91.19
Std Dev 0
pull1D
Entries 54
Mean −0.01361
Std Dev 1.143

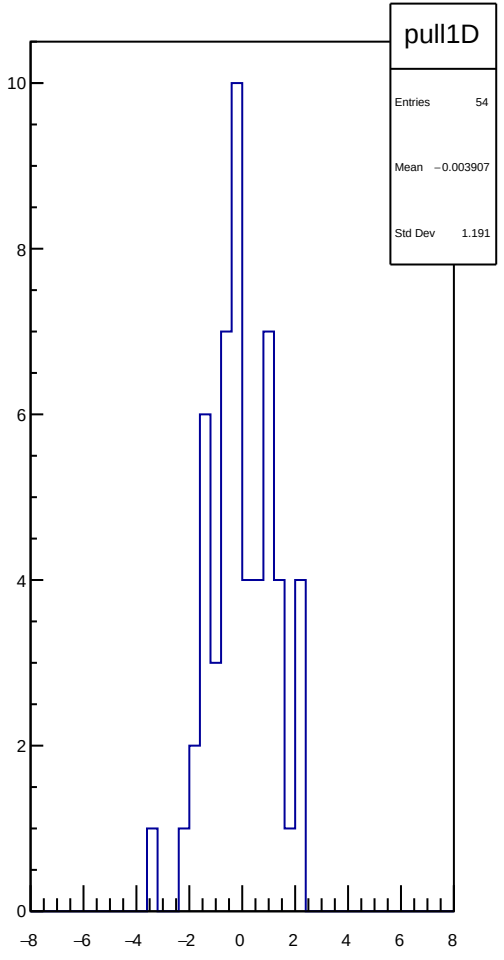

eigen_cor_asym_sam_1357_avg_rms vs run
χ² / ndf 1.52e+04 / 53
p0 55.04 ± 0.05456
100
90
80
70
60
50
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

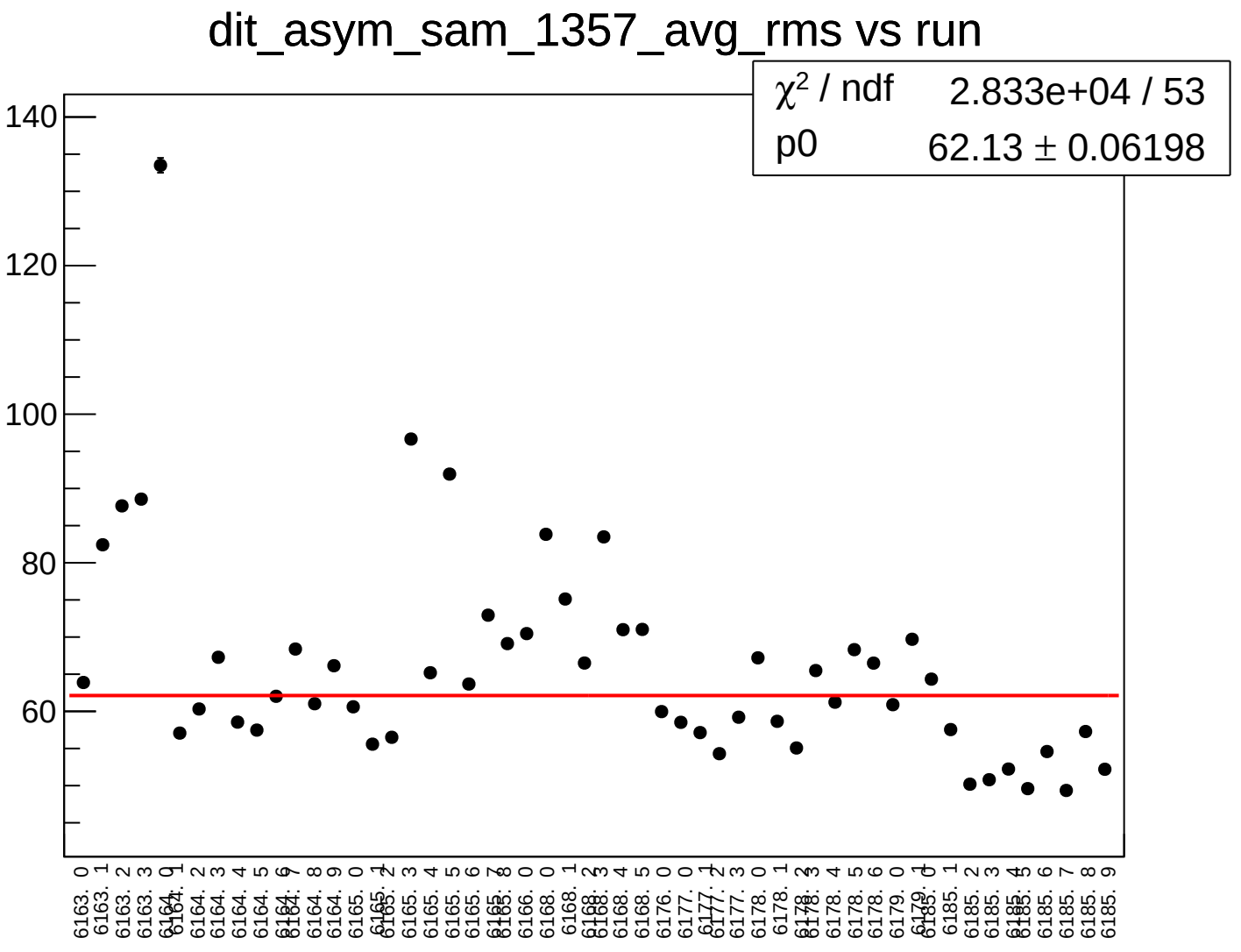

asym_sam_1357_avg_eigen_cor_correction_mean vs run
χ² / ndf 65.01 / 53
p0 2313 ± 1210
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 1.496
Std Dev 0
2
1
0
−1
−2
−3

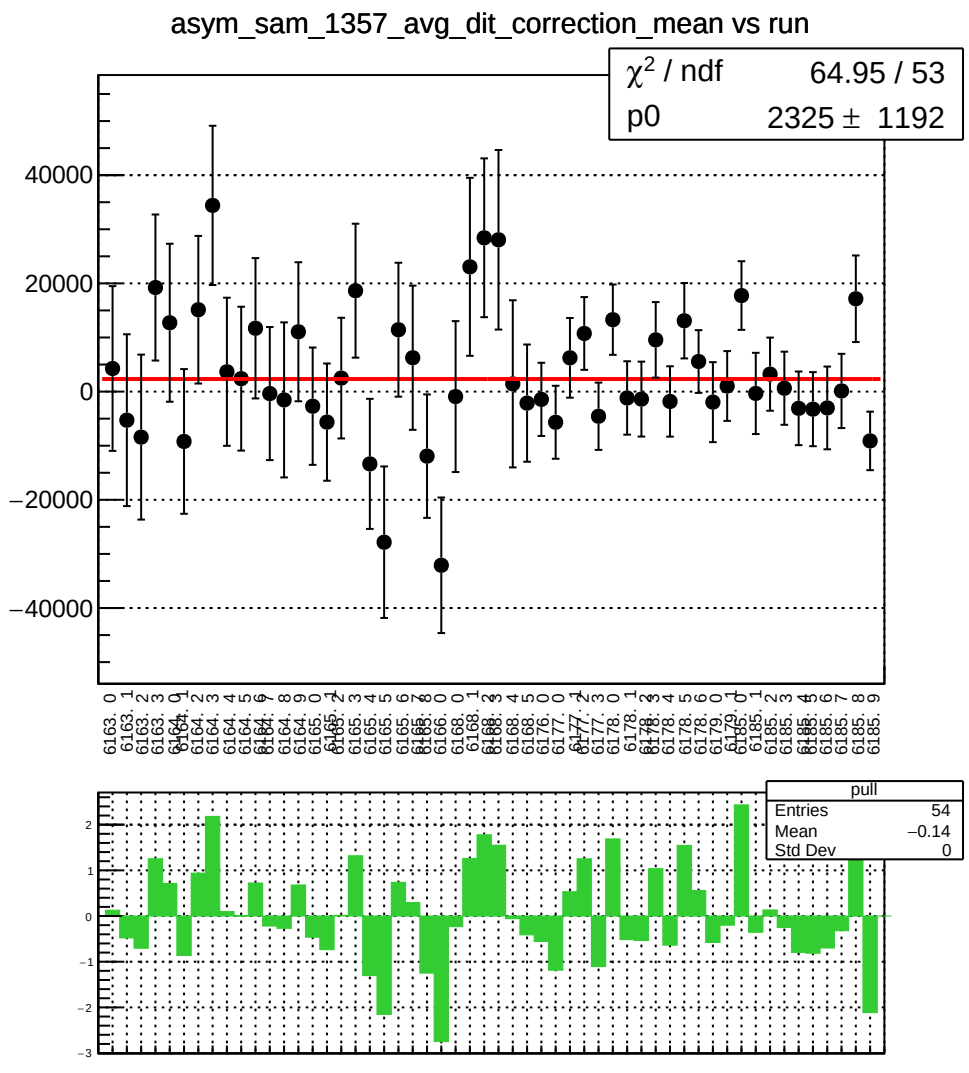

pull1D
Entries 54
Mean 0.04427
Std Dev 1.096
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

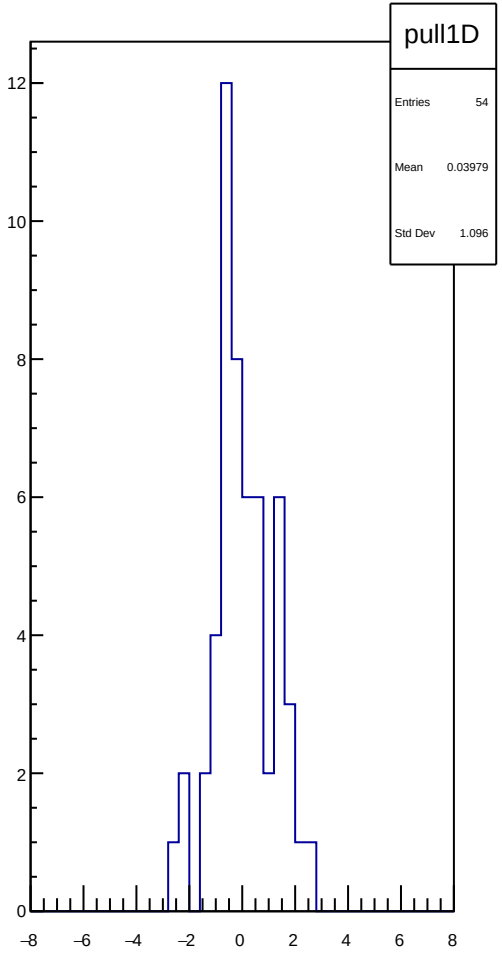

asym_sam_1357_avg_eigen_cor_correction_rms vs run
χ² / ndf 1.11e+05 / 53
p0 821.4 ± 0.8554
1600
1400
1200
1000
800
600
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

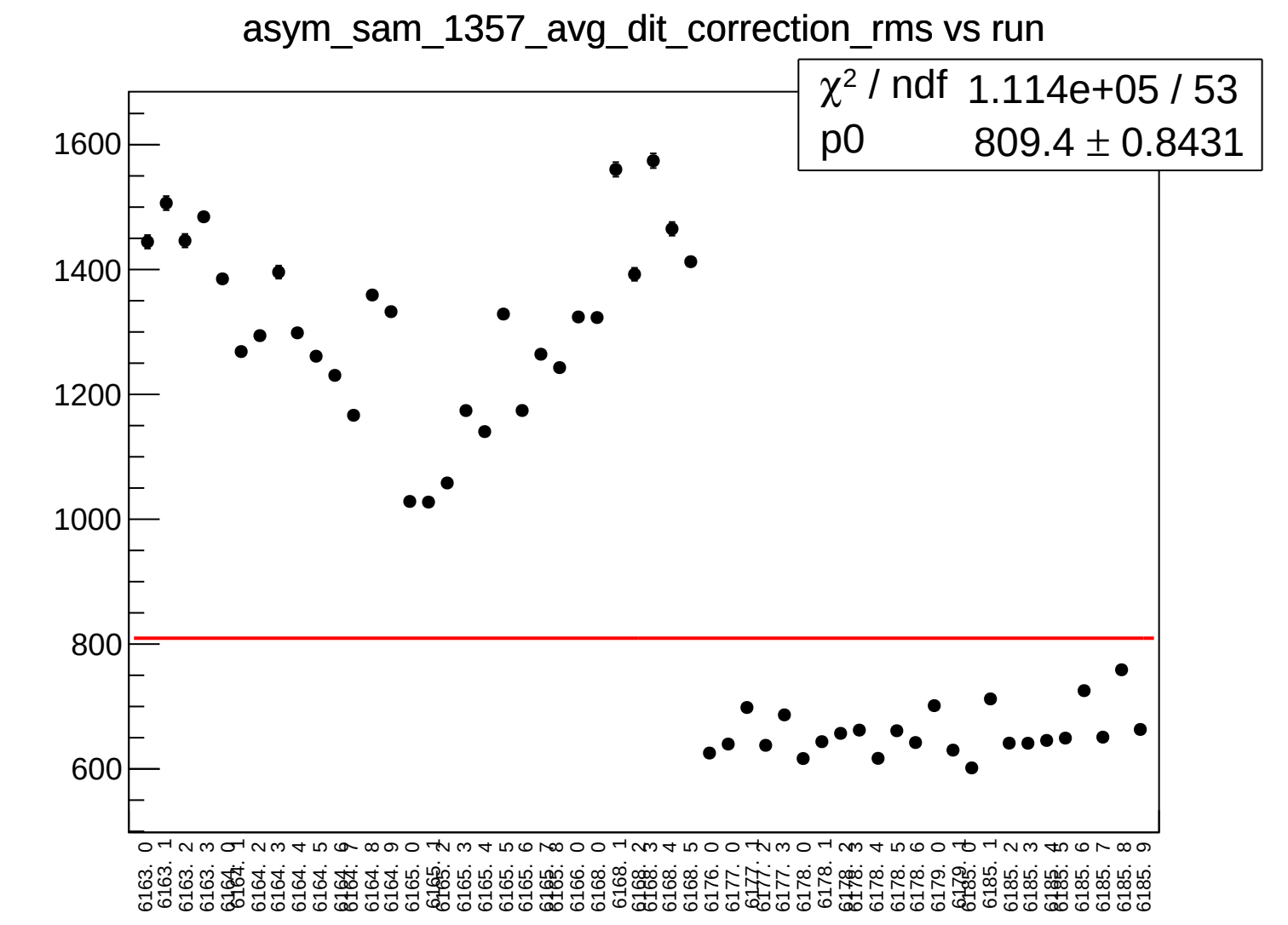

dit_asym_sam_1357_avg_mean vs run
χ² / ndf 76.61 / 53
p0 −142.3 ± 87.66
pull
Entries 54
Mean 126.2
Std Dev 78.23

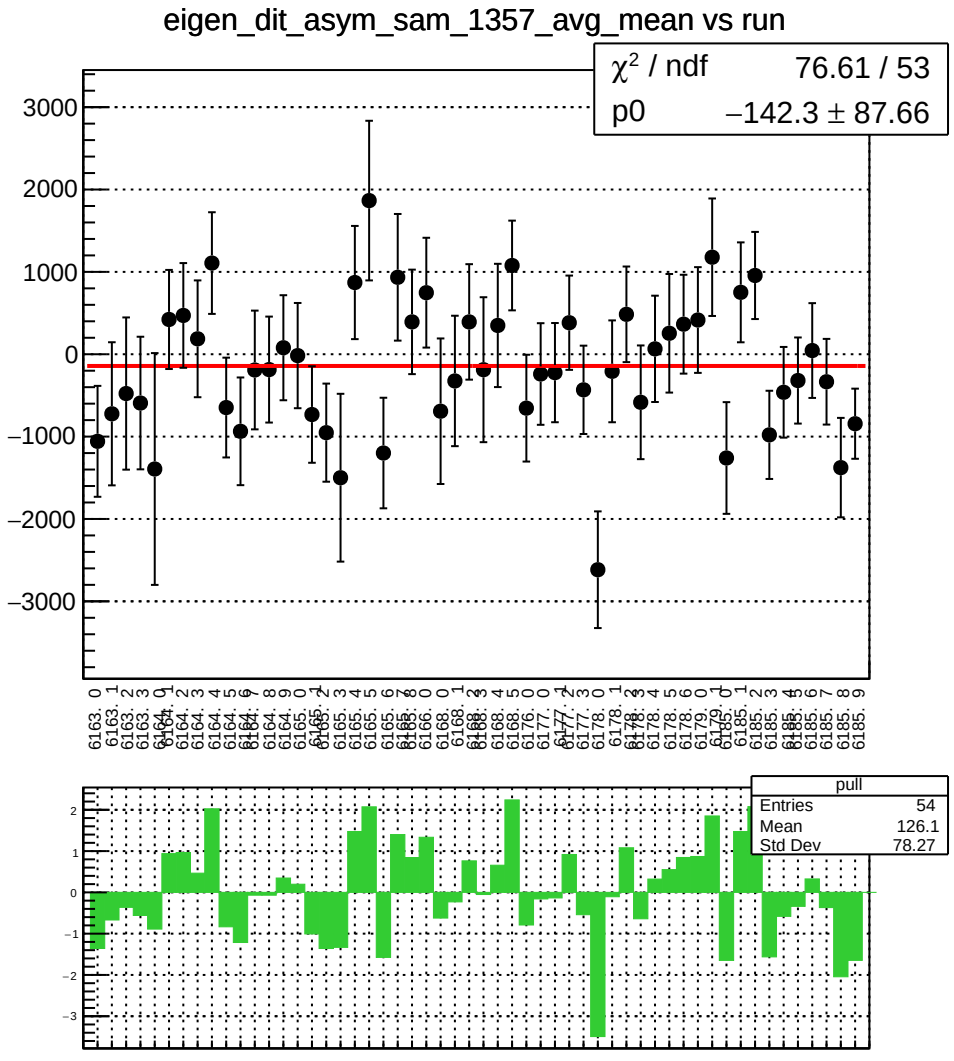

pull1D
Entries 54
Mean −0.003907
Std Dev 1.191

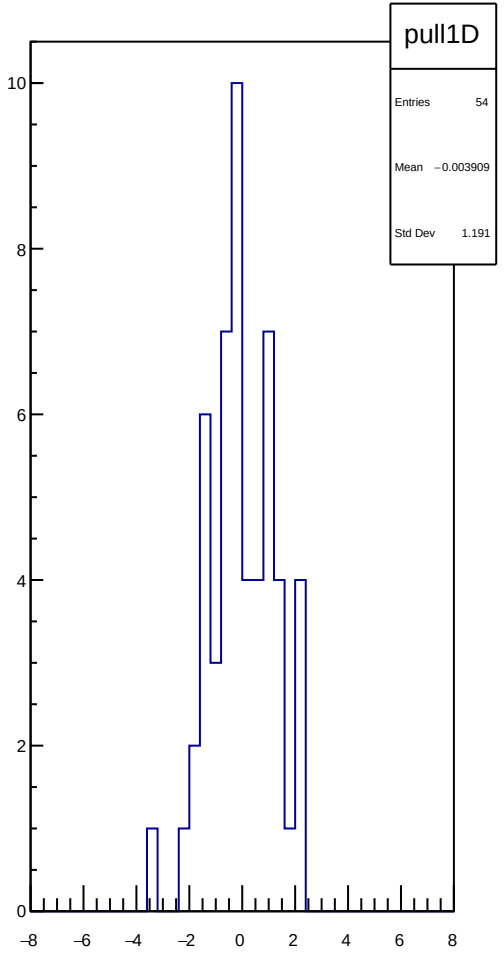

dit_asym_sam_1357_avg_rms vs run
χ² / ndf 2.833e+04 / 53
p0 62.13 ± 0.06198
140
120
100
80
60
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

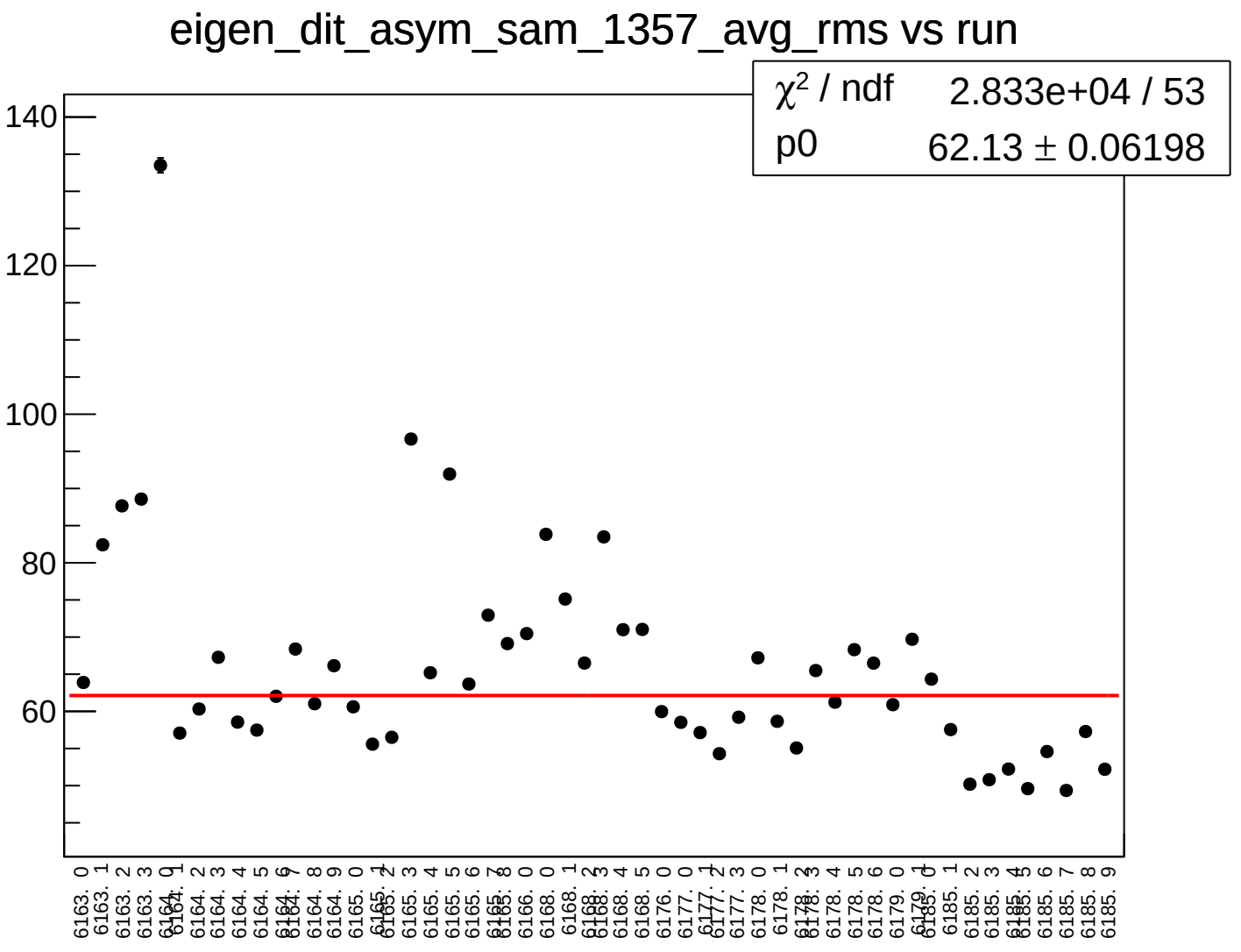

asym_sam_1357_avg_dit_correction_mean vs run
χ² / ndf 64.95 / 53
p0 2325 ± 1192
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −0.14
Std Dev 0
2
1
0
−1
−2
−3

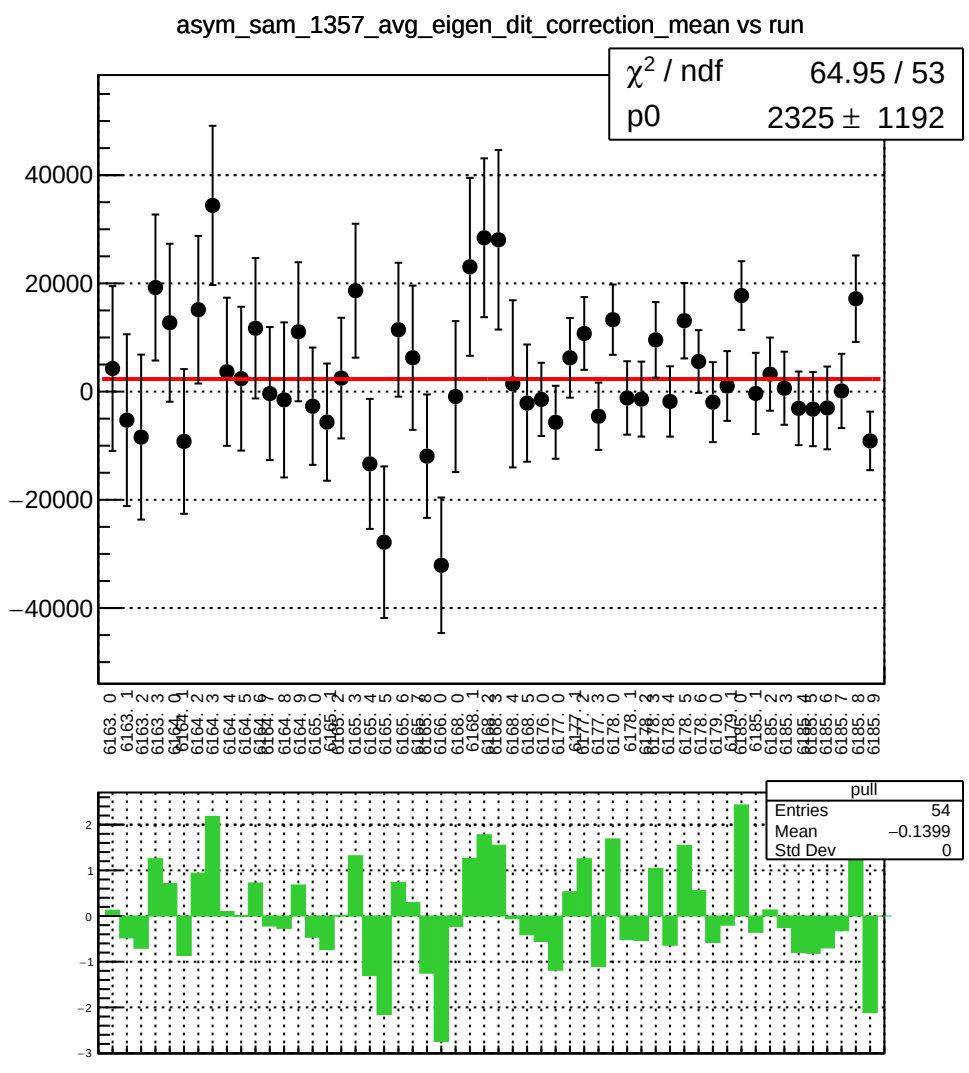

pull1D
Entries 54
Mean 0.03979
Std Dev 1.096
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

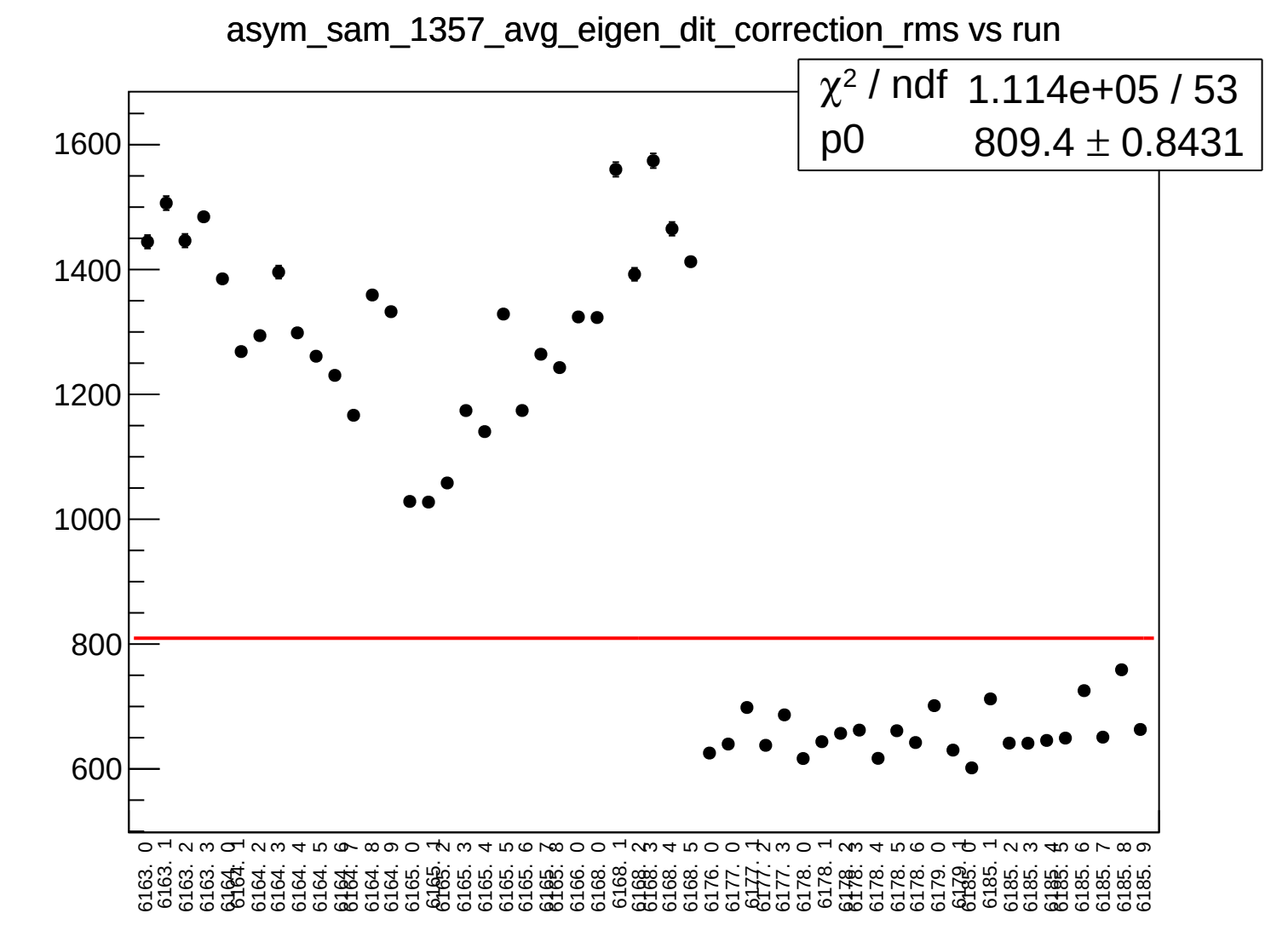

asym_sam_1357_avg_dit_correction_rms vs run
χ² / ndf 1.114e+05 / 53
p0 809.4 ± 0.8431
1600
1400
1200
1000
800
600
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

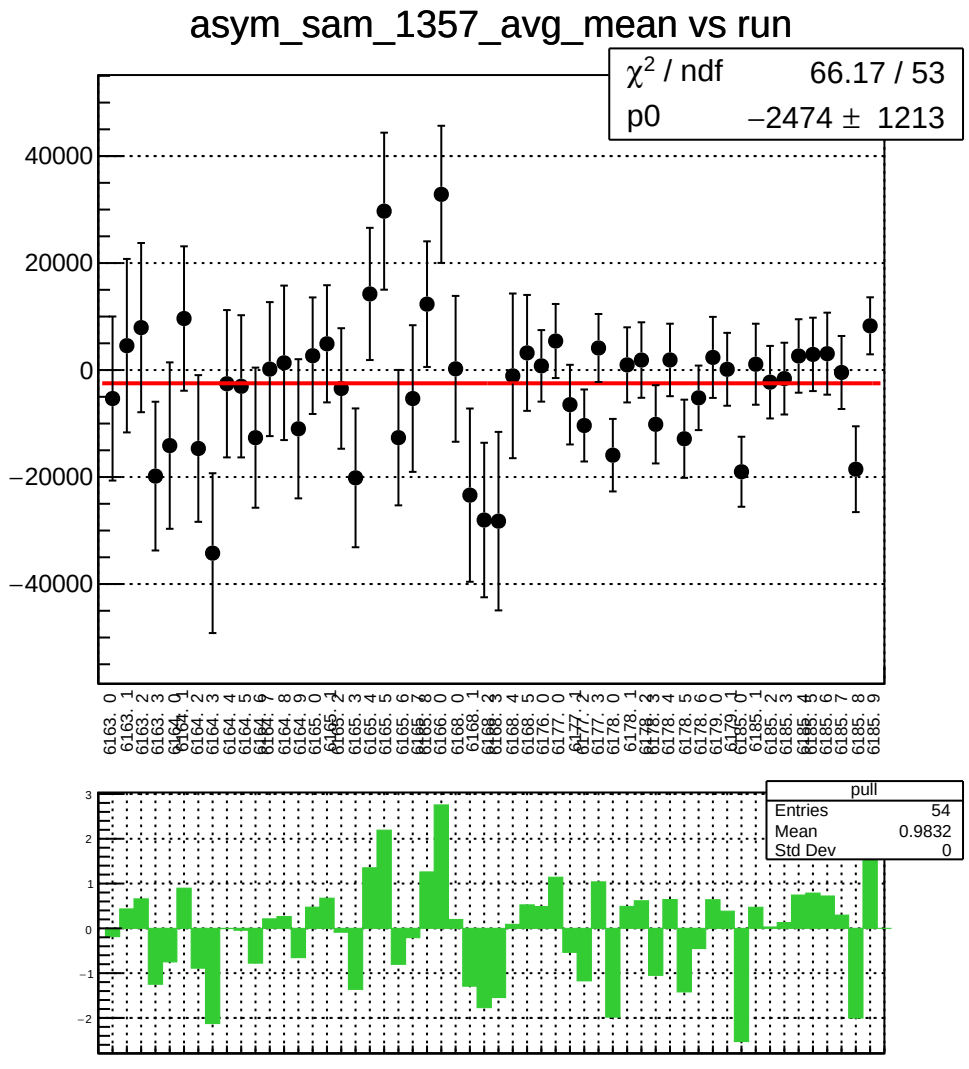

eigen_dit_asym_sam_1357_avg_mean vs run
χ² / ndf 76.61 / 53
p0 −142.3 ± 87.66
pull
Entries 54
Mean 126.1
Std Dev 78.27

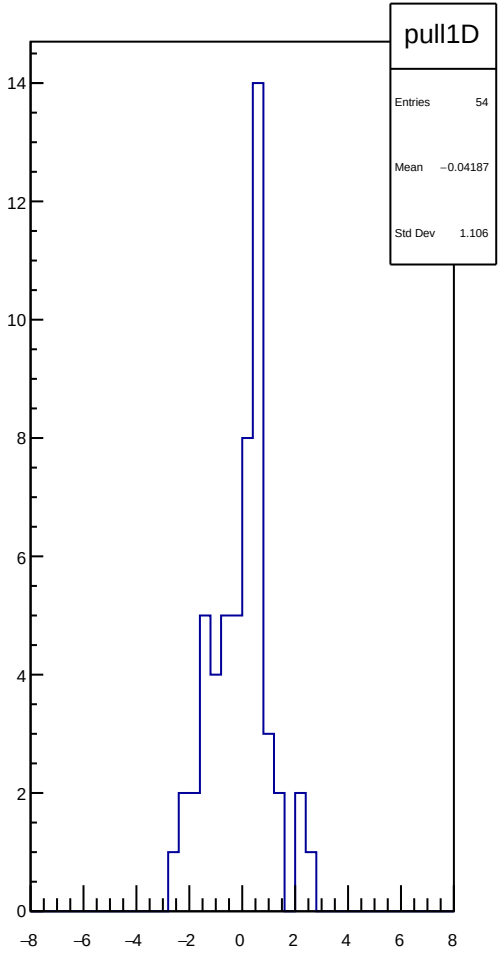

pull1D
Entries 54
Mean −0.003909
Std Dev 1.191

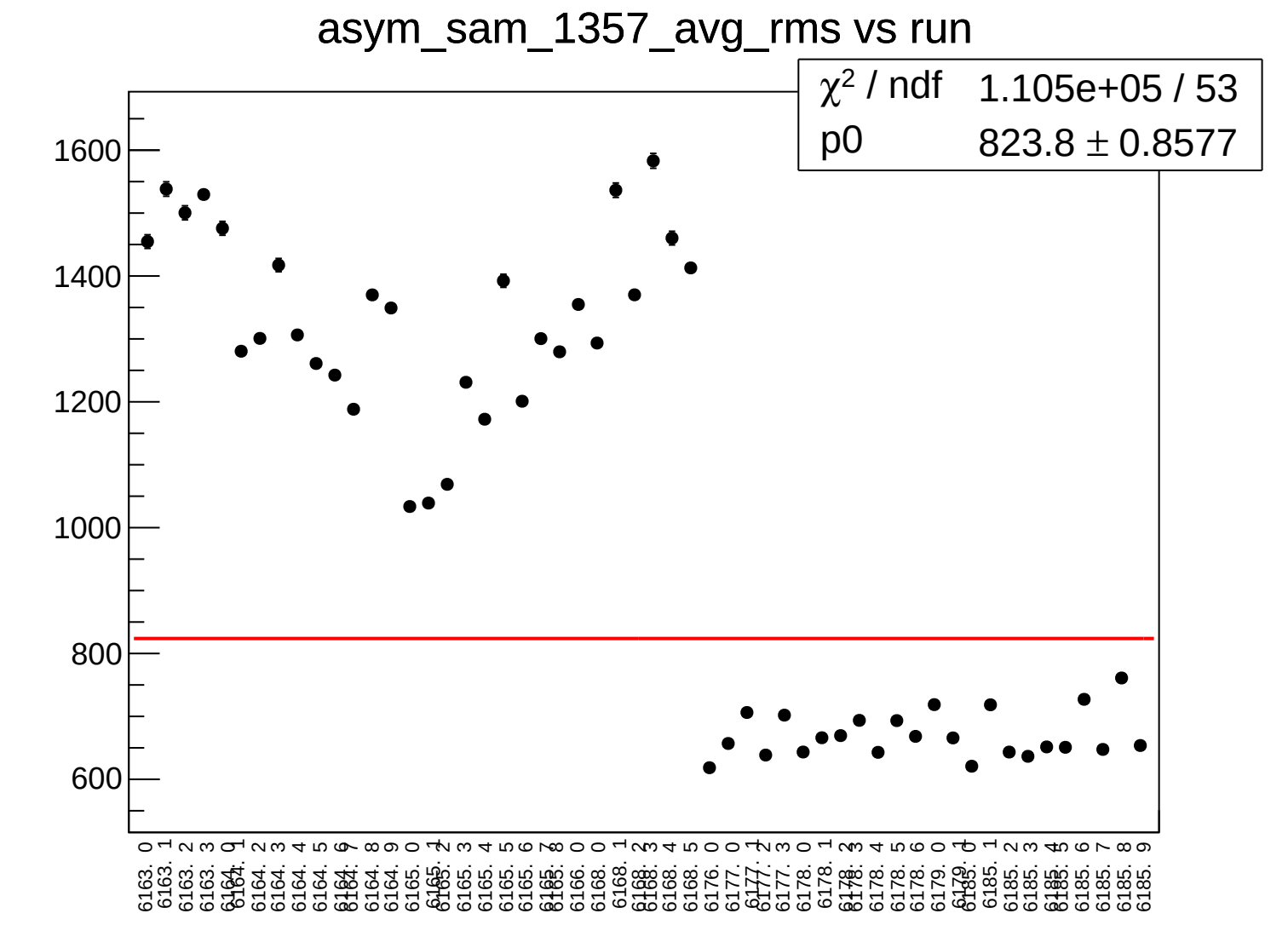

eigen_dit_asym_sam_1357_avg_rms vs run
χ² / ndf 2.833e+04 / 53
p0 62.13 ± 0.06198
140
120
100
80
60
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

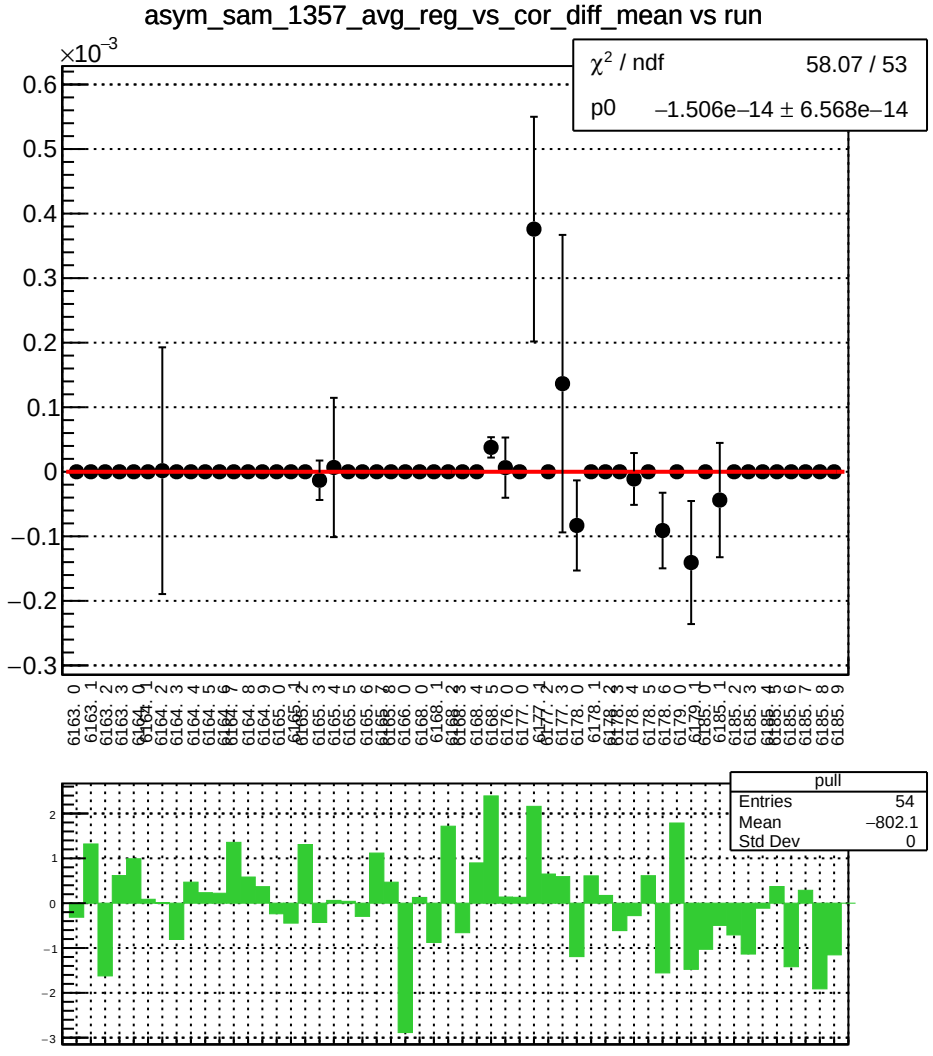

asym_sam_1357_avg_eigen_dit_correction_mean vs run
χ² / ndf 64.95 / 53
p0 2325 ± 1192
40000
20000
0
−20000
−40000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 0
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 6
6164. 7
6164. 8
6164. 9
6165. 0
6165. 1
6165. 3
6165. 4
6165. 5
6165. 6
6165. 7
6165. 8
6166. 0
6168. 0
6168. 1
6168. 2
6168. 3
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 2
6178. 3
6178. 4
6178. 5
6178. 6
6179. 0
6179. 1
6185. 0
6185. 1
6185. 2
6185. 3
6185. 4
6185. 5
6185. 6
6185. 7
6185. 8
6185. 9
pull
Entries 54
Mean −0.1399
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 54
Mean 0.03979
Std Dev 1.096
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

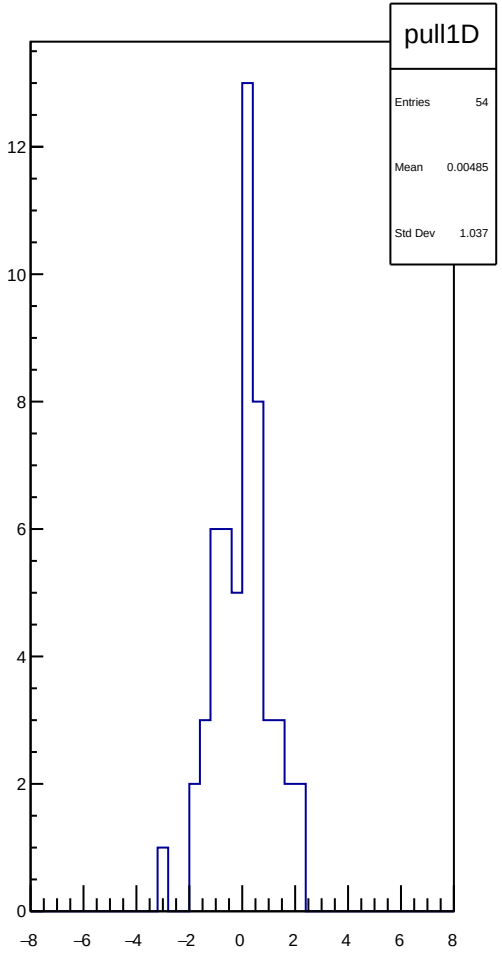

asym_sam_1357_avg_eigen_dit_correction_rms vs run
χ² / ndf 1.114e+05 / 53
p0 809.4 ± 0.8431
1600
1400
1200
1000
800
600
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

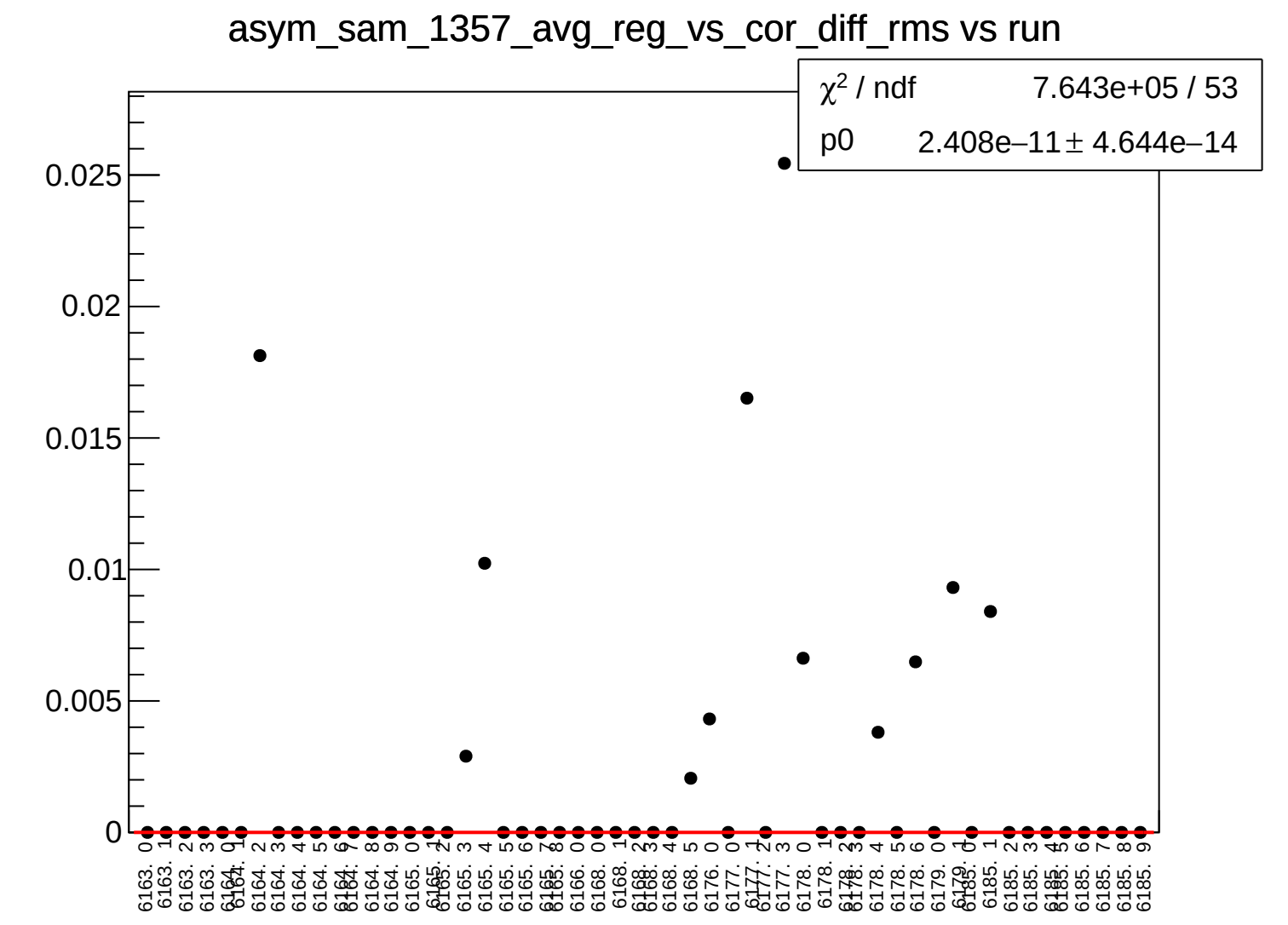

asym_sam_1357_avg_mean vs run
χ² / ndf 66.17 / 53
p0 −2474 ± 1213
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 0.9832
Std Dev 0
3
2
1
0
−1
−2

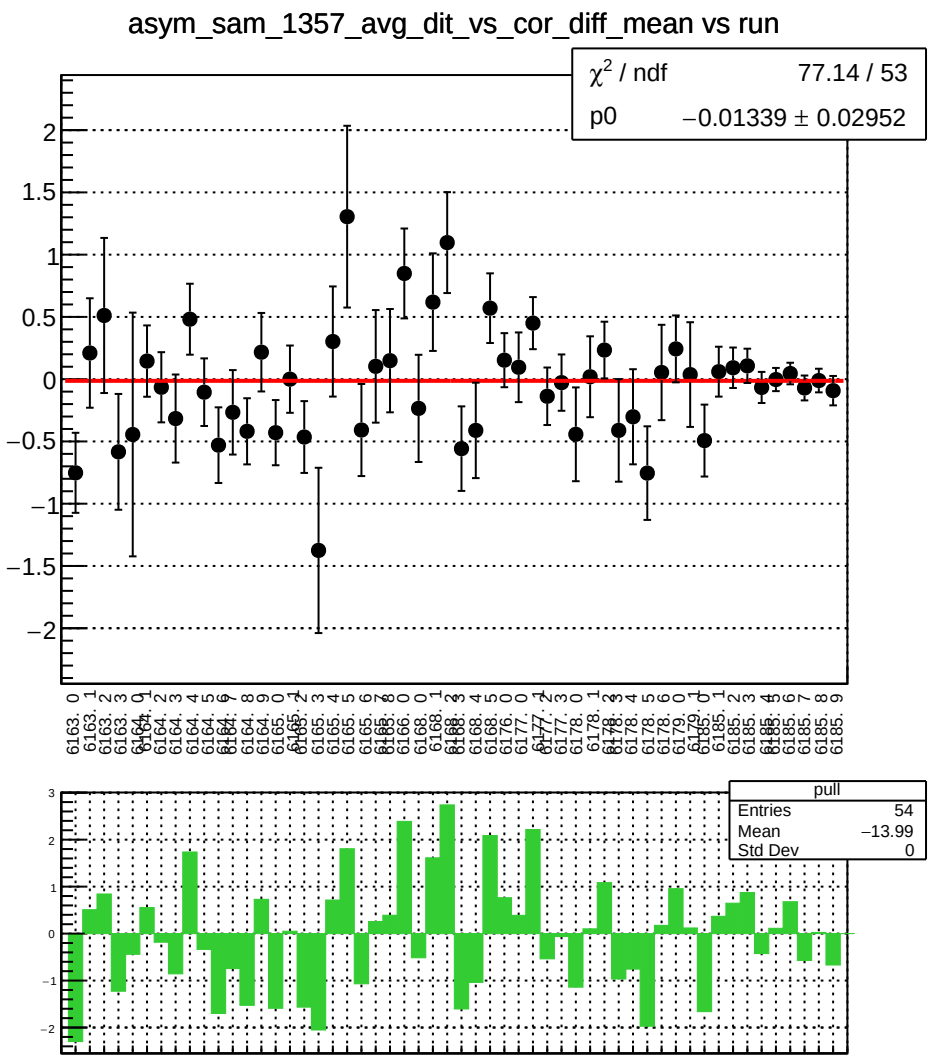

pull1D
Entries 54
Mean −0.04187
Std Dev 1.106
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

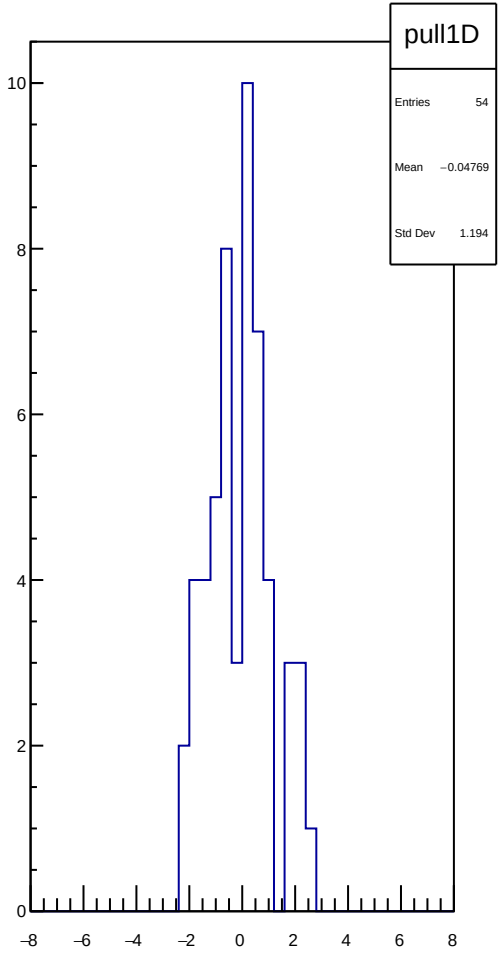

asym_sam_1357_avg_rms vs run
χ² / ndf 1.105e+05 / 53
p0 823.8 ± 0.8577
1600
1400
1200
1000
800
600
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

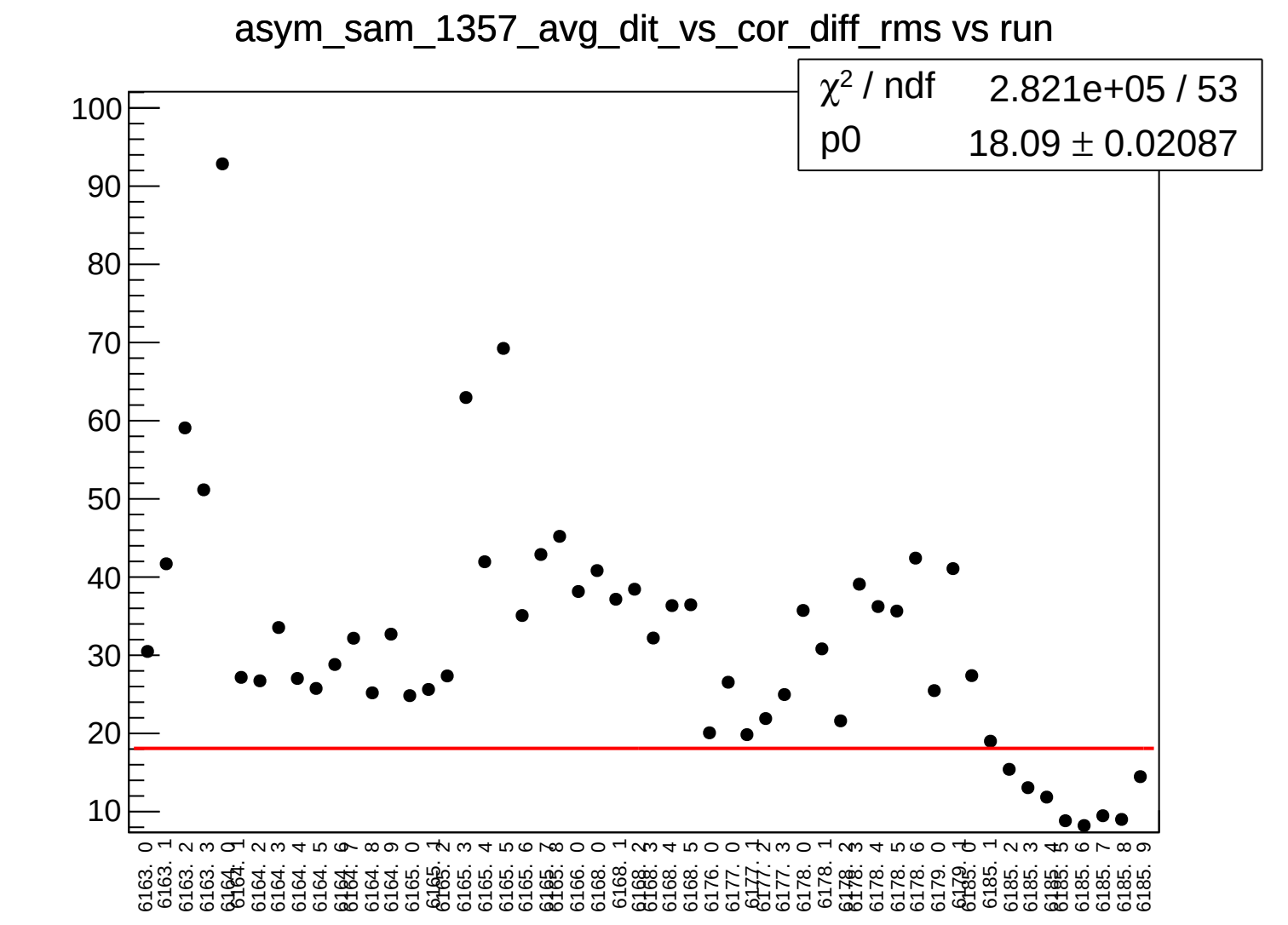

asym_sam_1357_avg_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 58.07 / 53
p0 −1.506e−14 ± 6.568e−14
pull
Entries 54
Mean −802.1
Std Dev 0

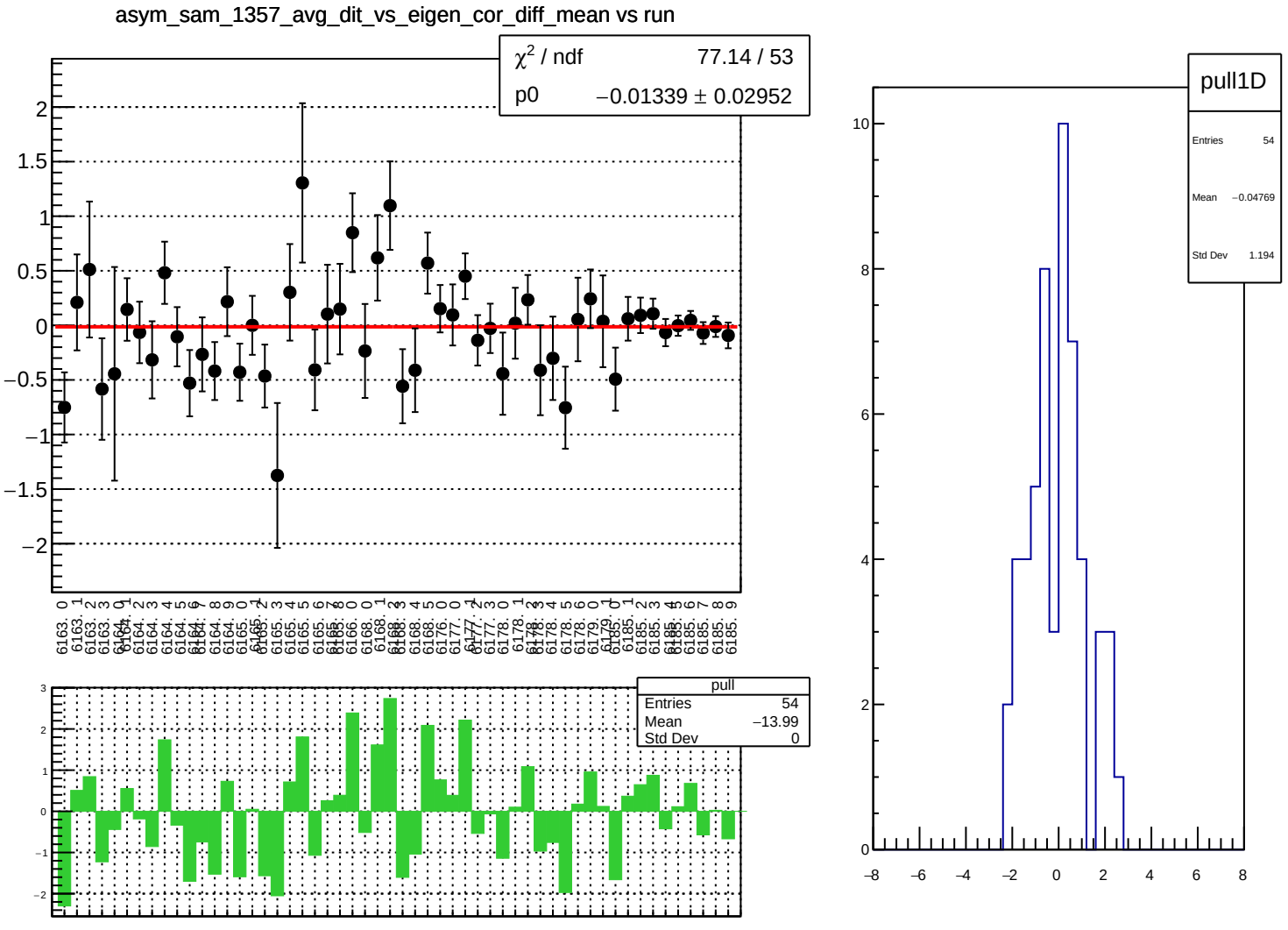

pull1D
Entries 54
Mean 0.00485
Std Dev 1.037

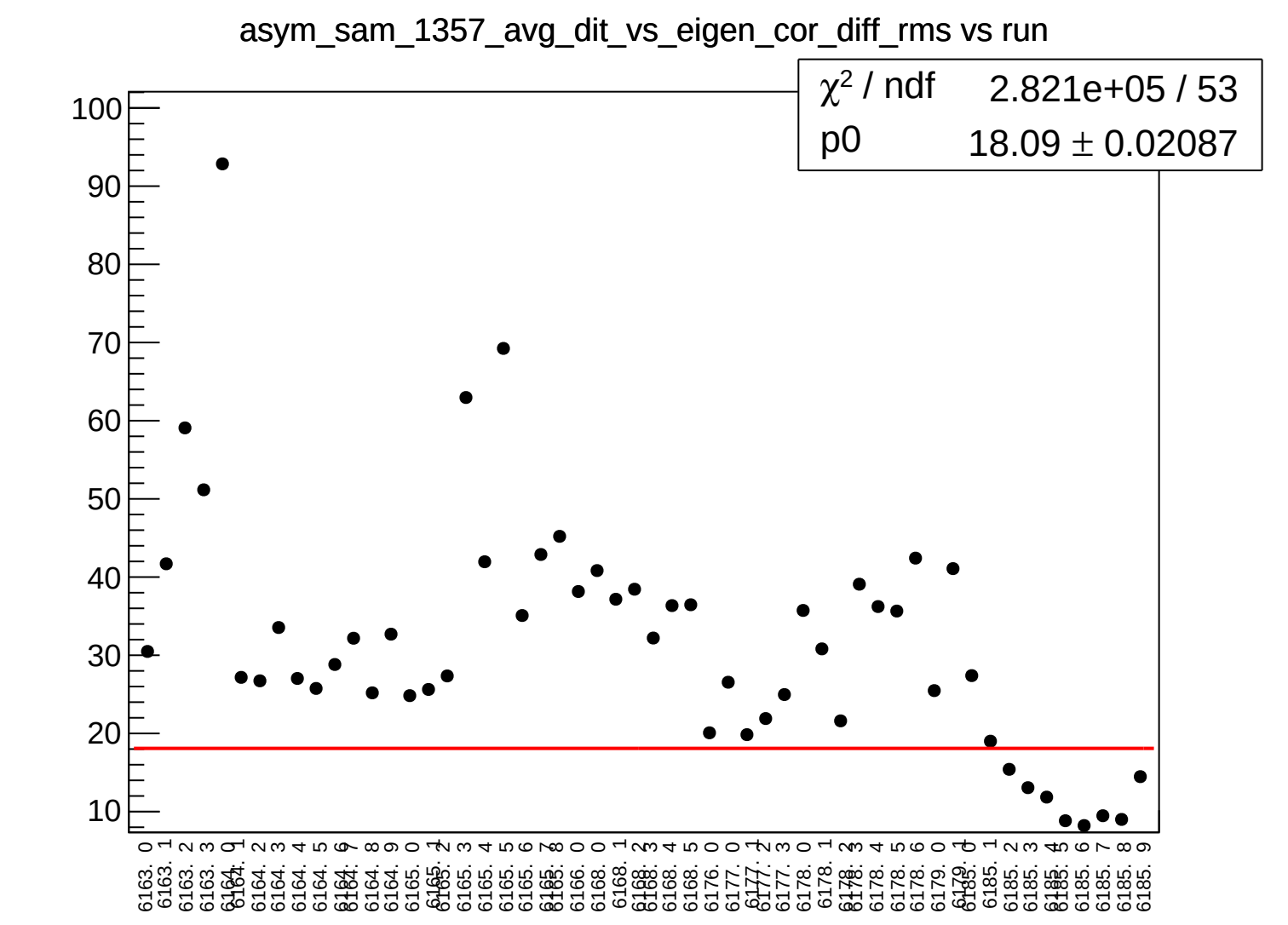

asym_sam_1357_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 7.643e+05 / 53
p0 2.408e−11 ± 4.644e−14
0.025
0.02
0.015
0.01
0.005
0
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 6
6164. 7
6164. 8
6164. 9
6165. 0
6165. 1
6165. 2
6165. 3
6165. 4
6165. 5
6165. 6
6165. 7
6165. 8
6166. 0
6168. 0
6168. 1
6168. 2
6168. 3
6168. 4
6168. 5
6176. 0
6177. 0
6177. 1
6177. 2
6177. 3
6178. 0
6178. 1
6178. 2
6178. 3
6178. 4
6178. 5
6178. 6
6179. 0
6179. 1
6185. 0
6185. 1
6185. 2
6185. 3
6185. 4
6185. 5
6185. 6
6185. 7
6185. 8
6185. 9

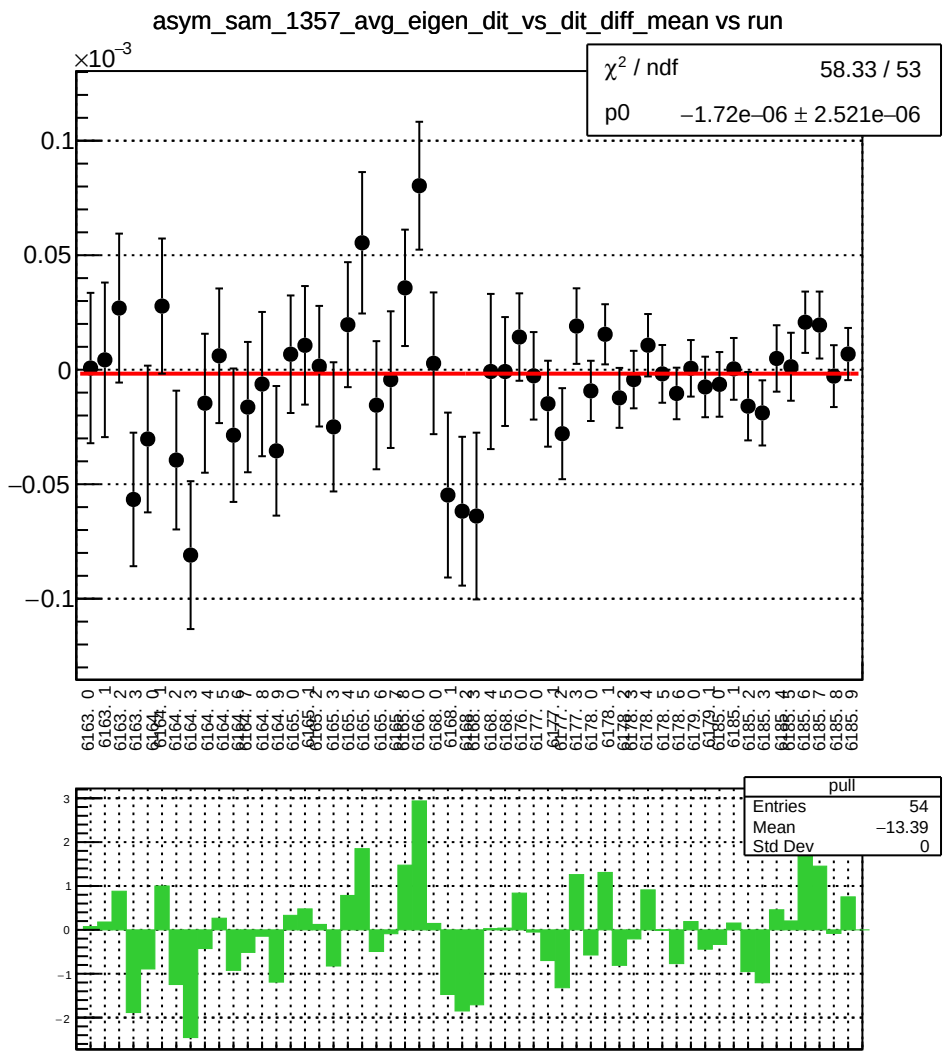

asym_sam_1357_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 77.14 / 53
p0 −0.01339 ± 0.02952
pull
Entries 54
Mean −13.99
Std Dev 0

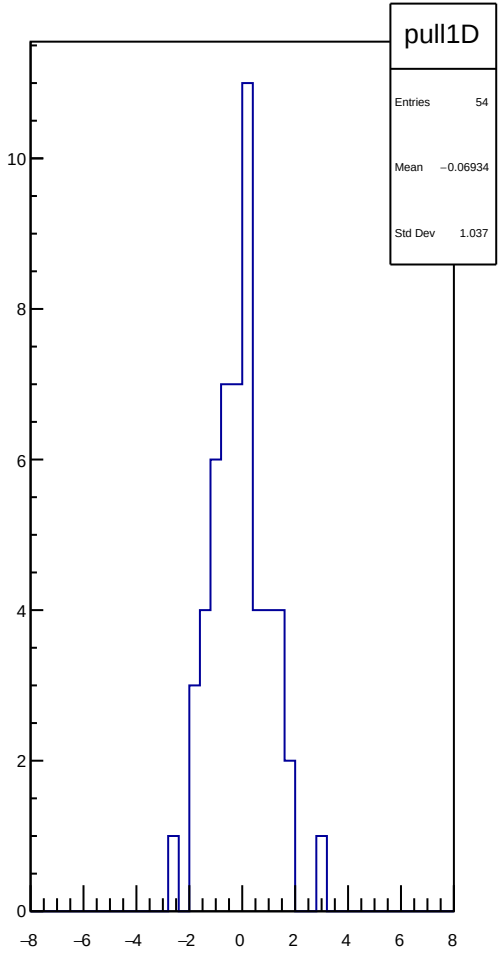

pull1D
Entries 54
Mean −0.04769
Std Dev 1.194

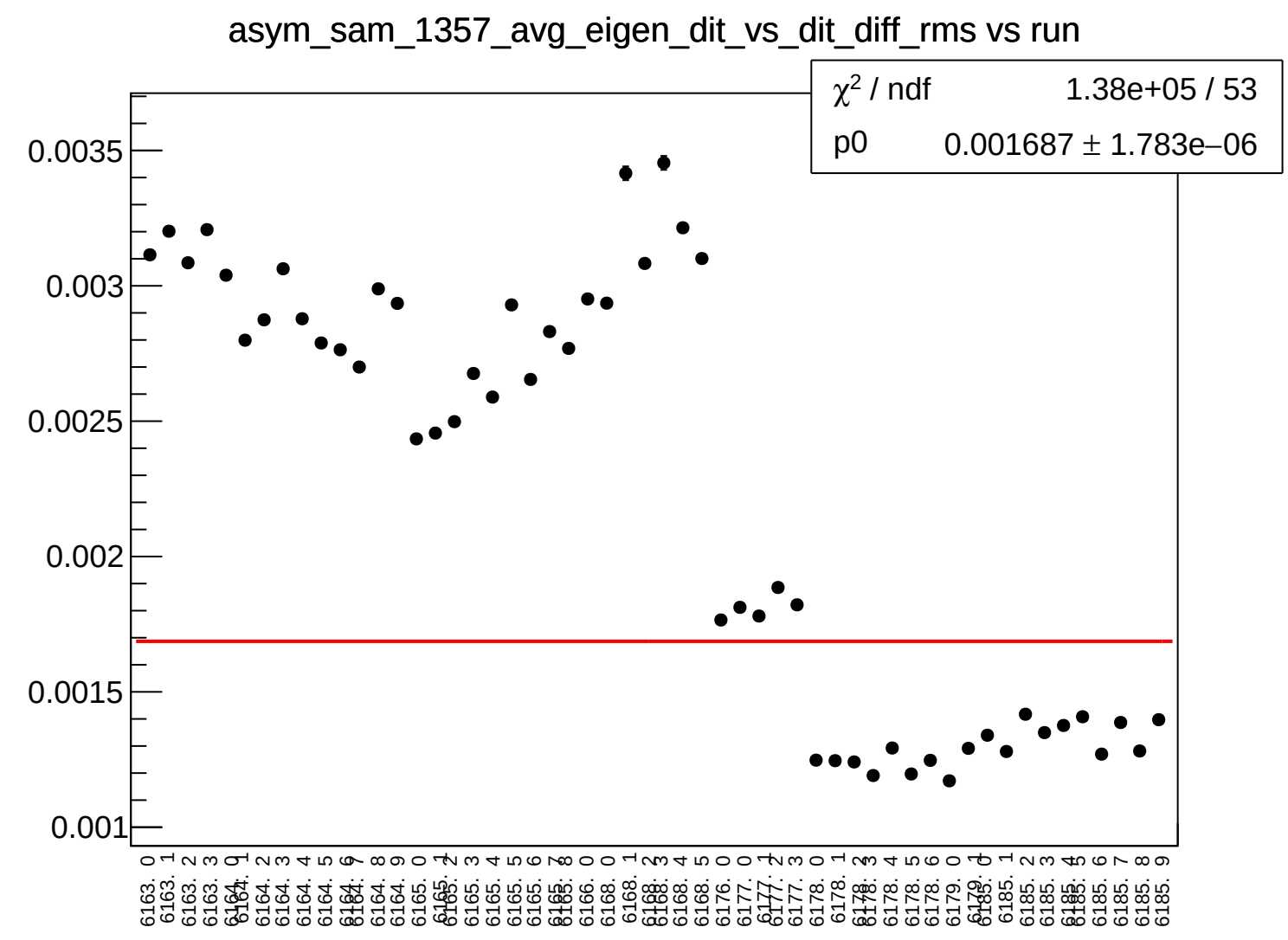

asym_sam_1357_avg_dit_vs_cor_diff_rms vs run
χ^2 / ndf 2.821e+05 / 53
p0 18.09 ± 0.02087
100
90
80
70
60
50
40
30
20
10
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

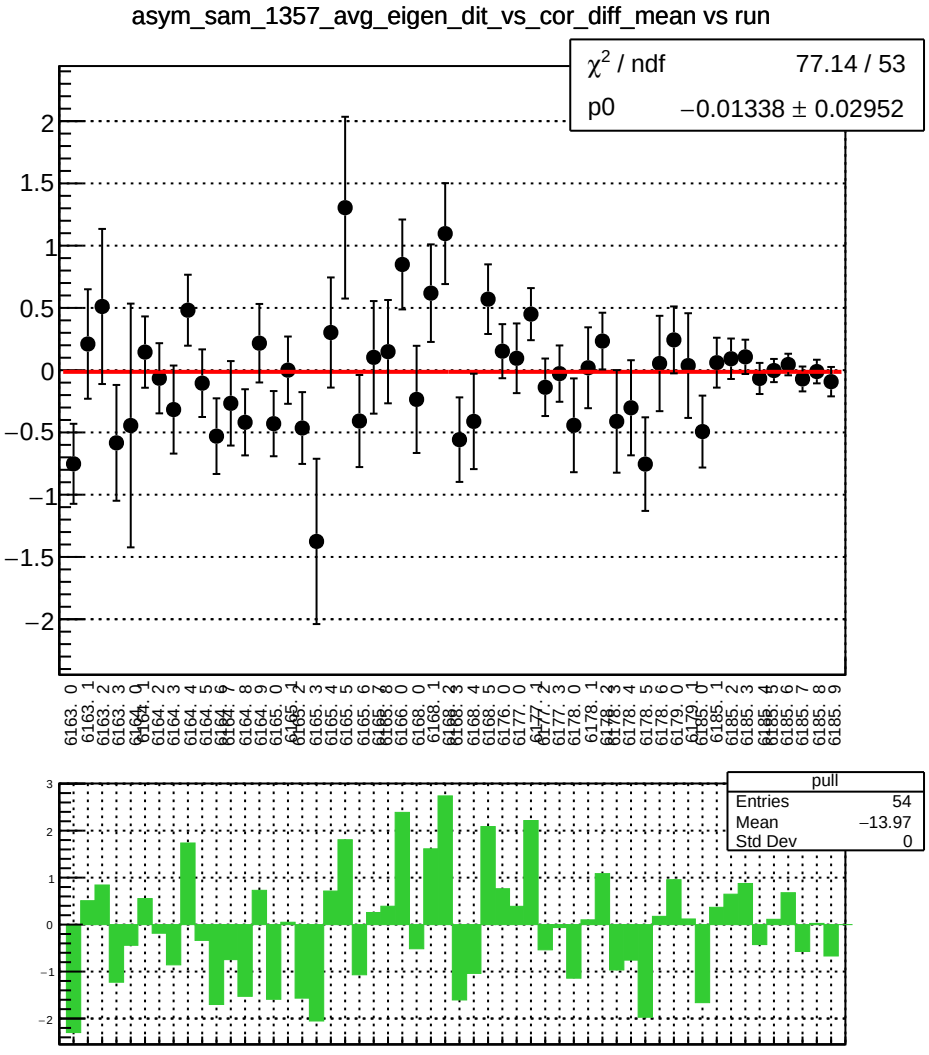

asym_sam_1357_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 77.14 / 53
p0 −0.01339 ± 0.02952
pull
Entries 54
Mean −13.99
Std Dev 0
pull1D
Entries 54
Mean −0.04769
Std Dev 1.194

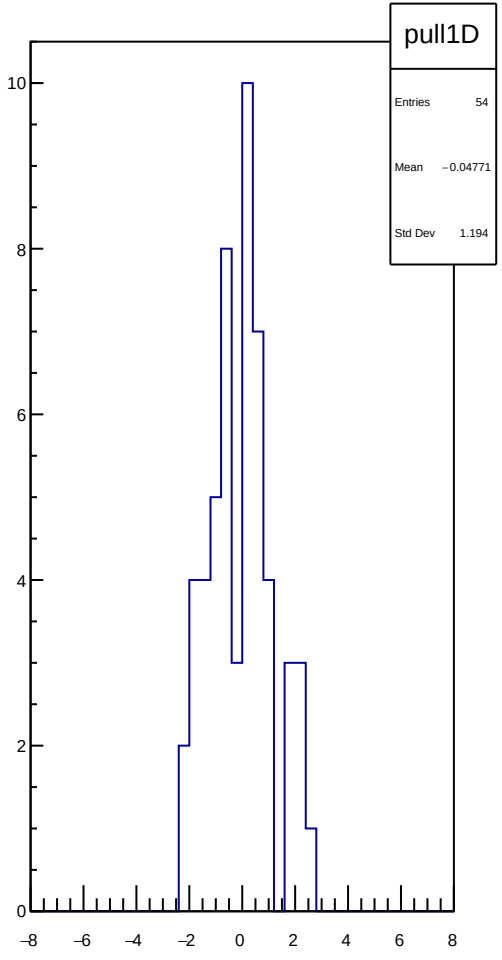

asym_sam_1357_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.821e+05 / 53
p0 18.09 ± 0.02087
100
90
80
70
60
50
40
30
20
10
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

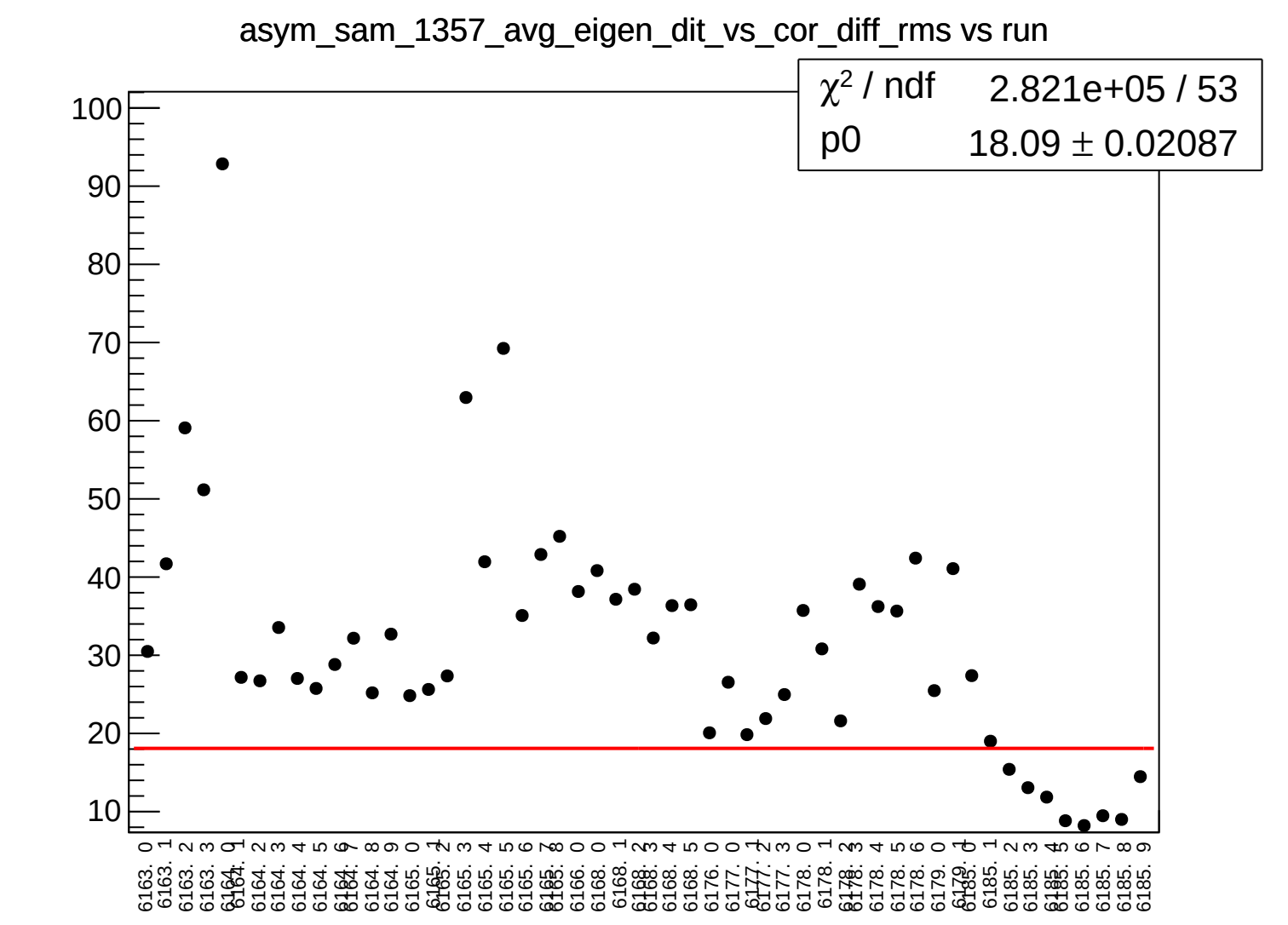

asym_sam_1357_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 58.33 / 53
p0 −1.72e−06 ± 2.521e−06
0.1
0.05
0
−0.05
−0.1
pull
Entries 54
Mean −13.39
Std Dev 0
3
2
1
0
−1
−2

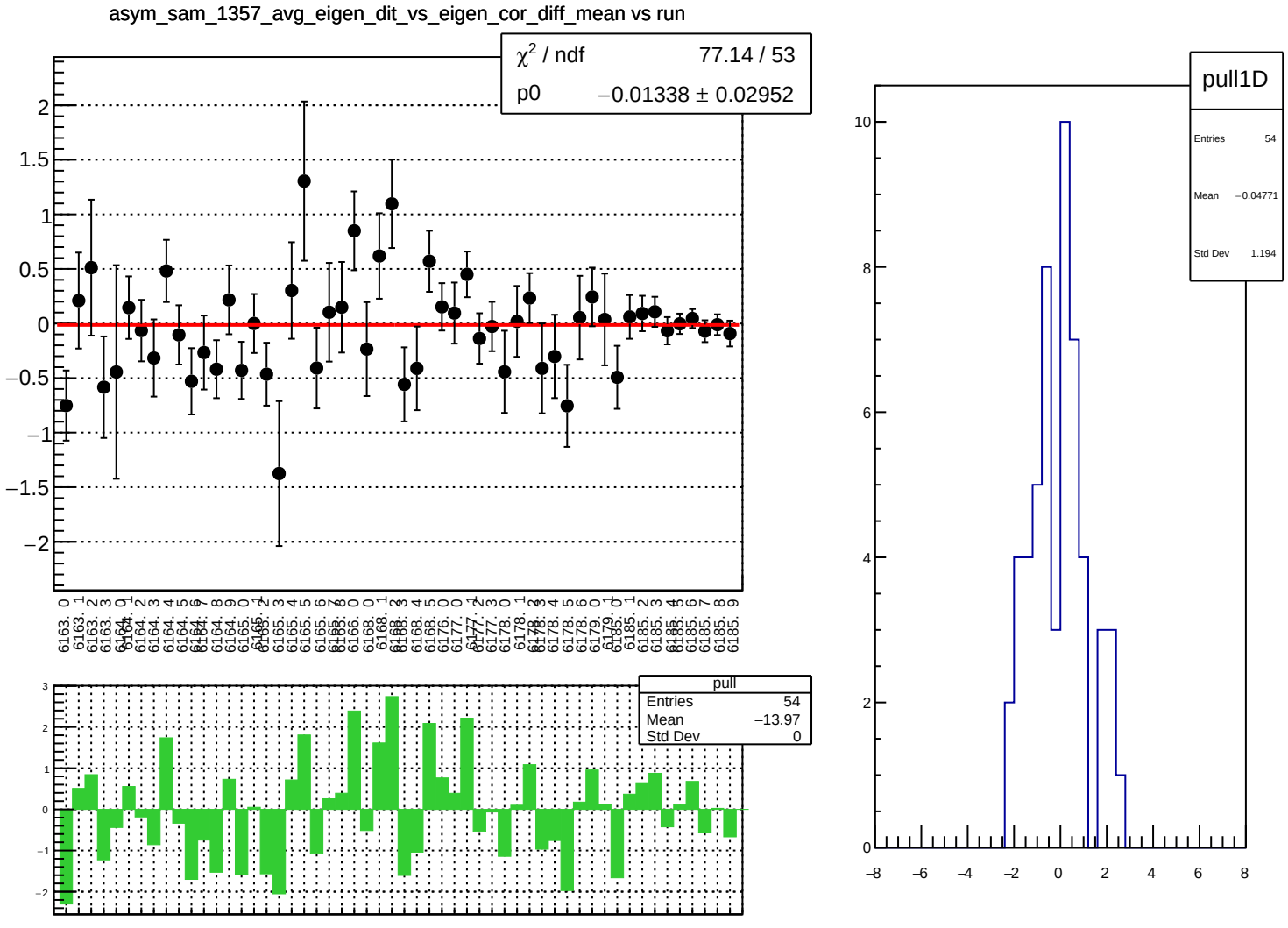

pull1D
Entries 54
Mean −0.06934
Std Dev 1.037
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

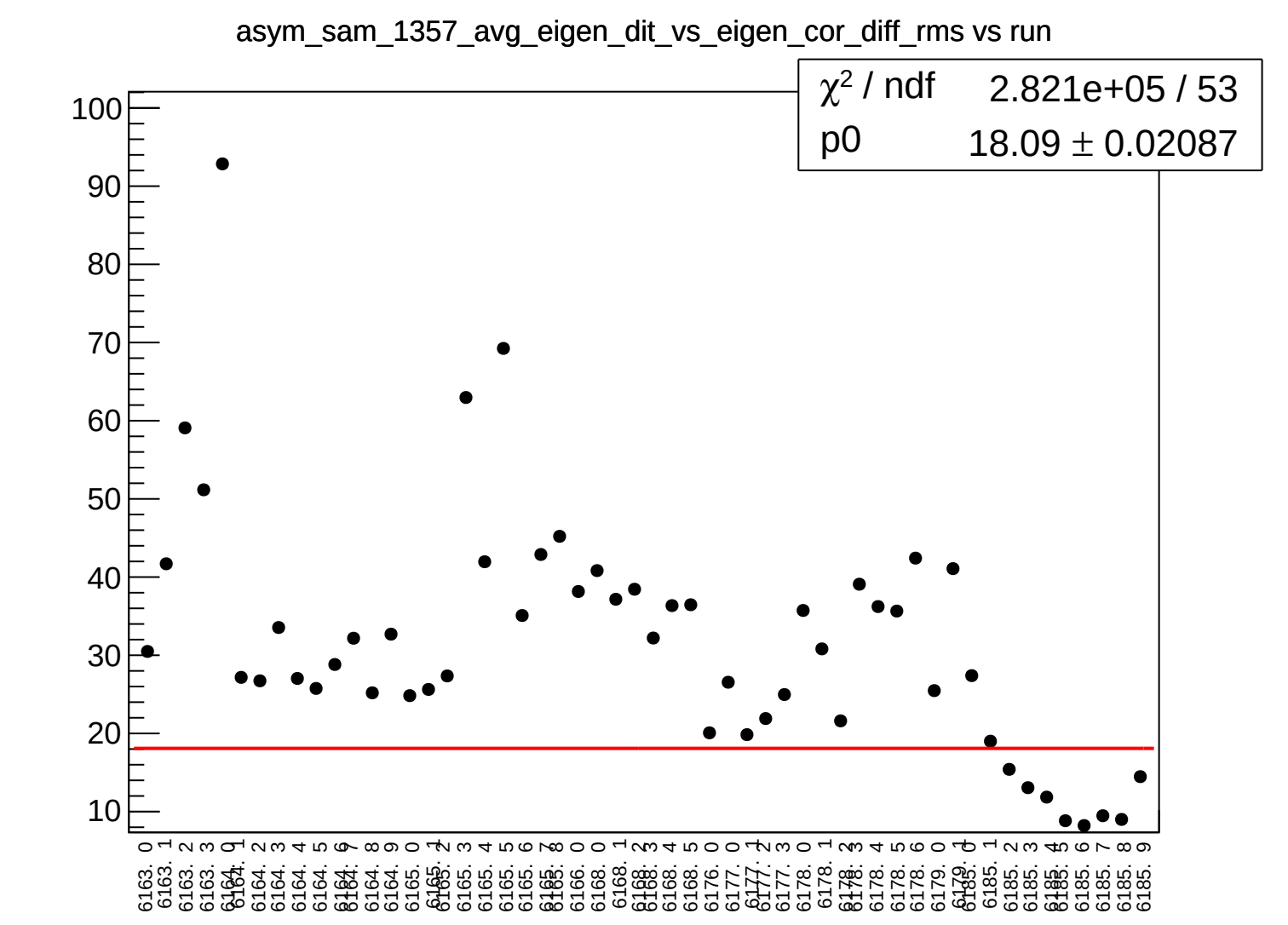

asym_sam_1357_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.38e+05 / 53
p0 0.001687 ± 1.783e−06
0.0035
0.003
0.0025
0.002
0.0015
0.001
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

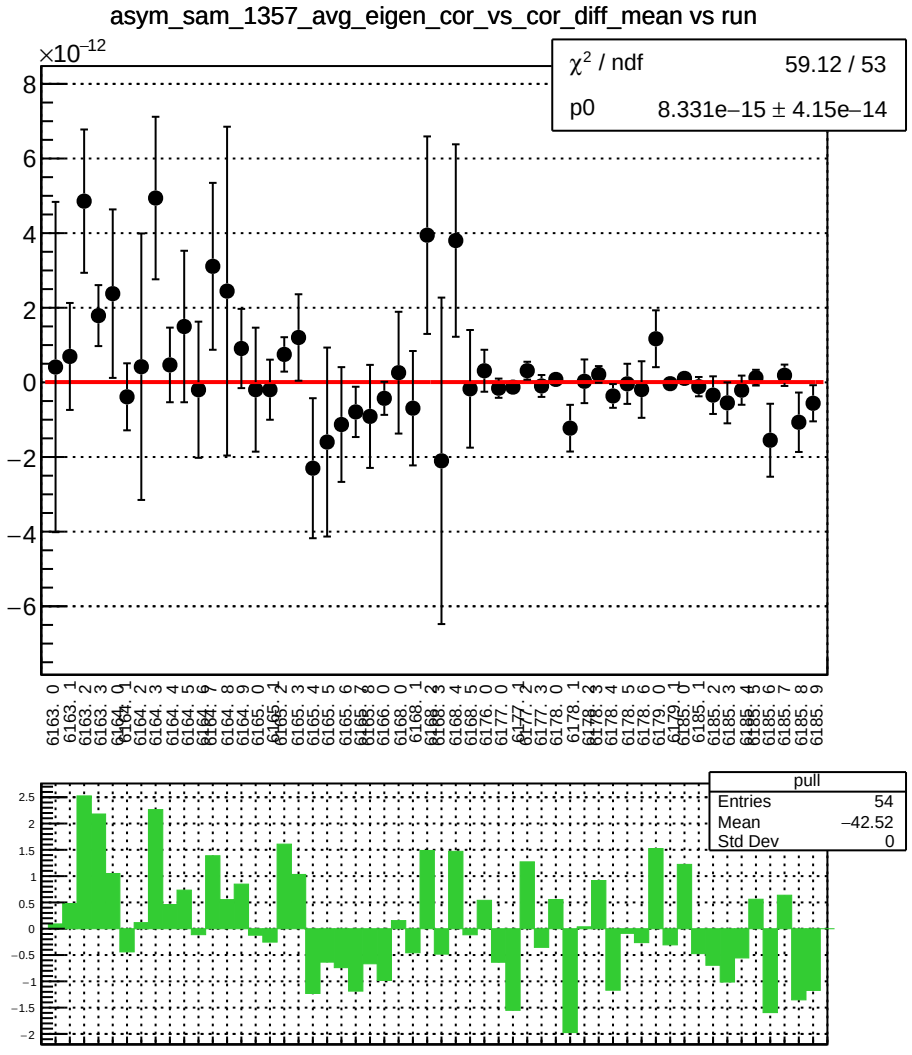

asym_sam_1357_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 77.14 / 53
p0 −0.01338 ± 0.02952
pull
Entries 54
Mean −13.97
Std Dev 0

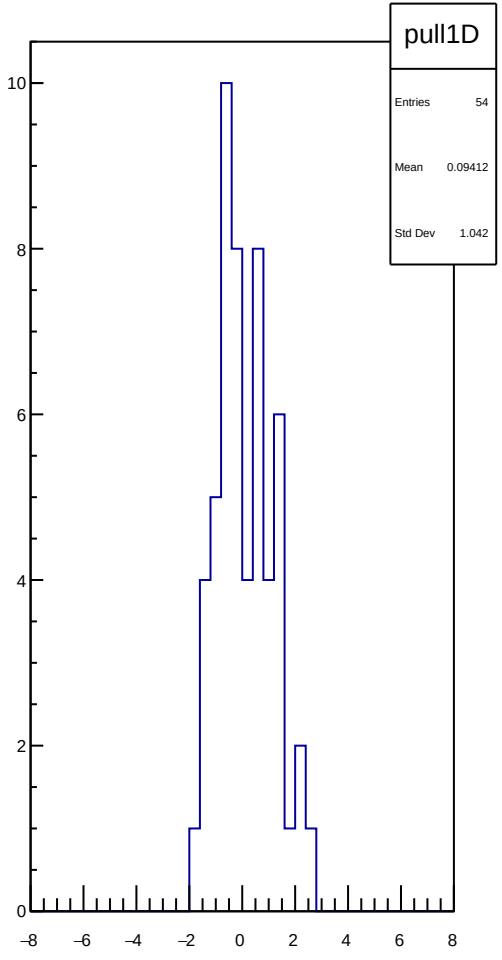

pull1D
Entries 54
Mean −0.04771
Std Dev 1.194

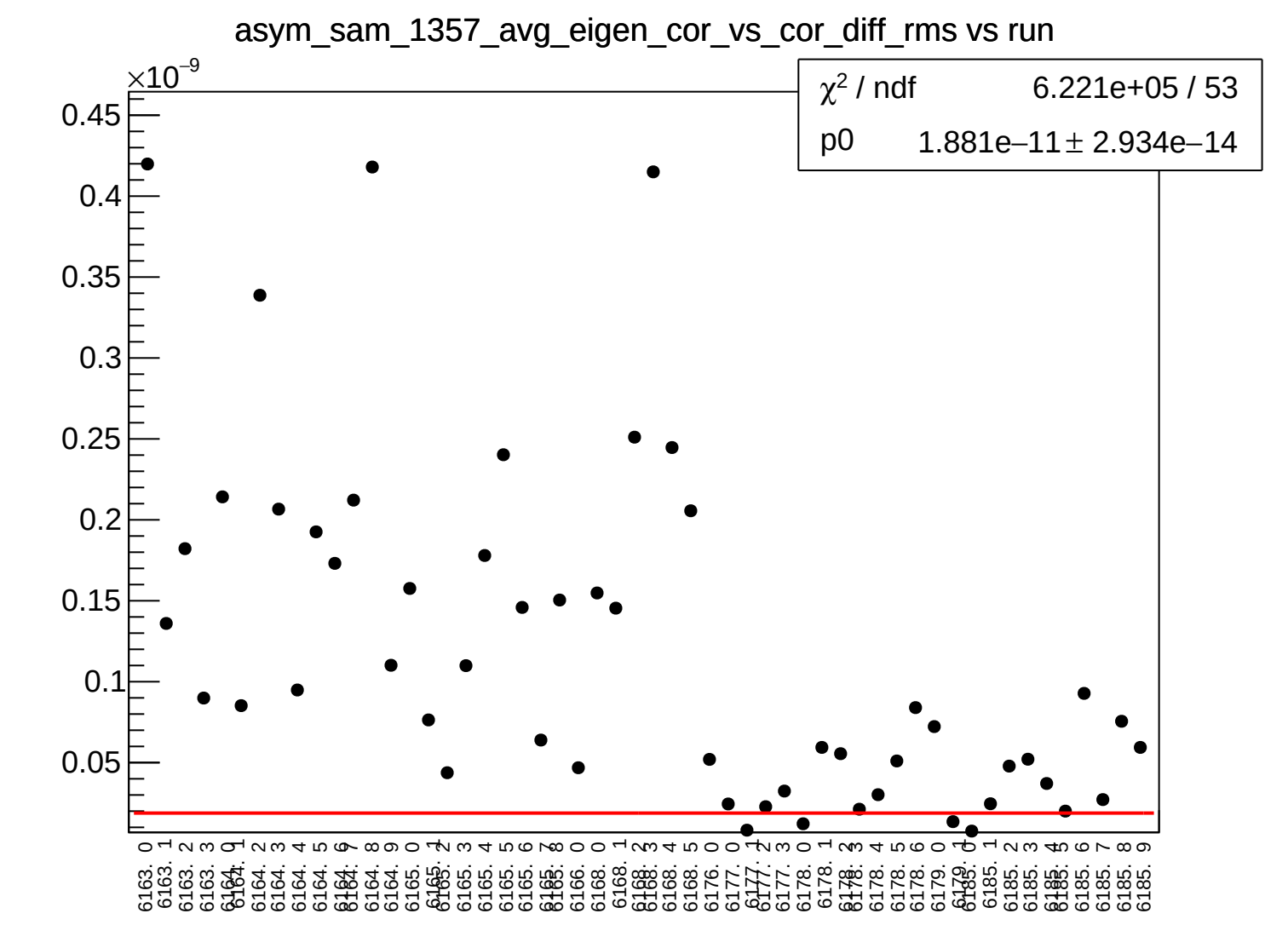

asym_sam_1357_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.821e+05 / 53
p0 18.09 ± 0.02087
100
90
80
70
60
50
40
30
20
10
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

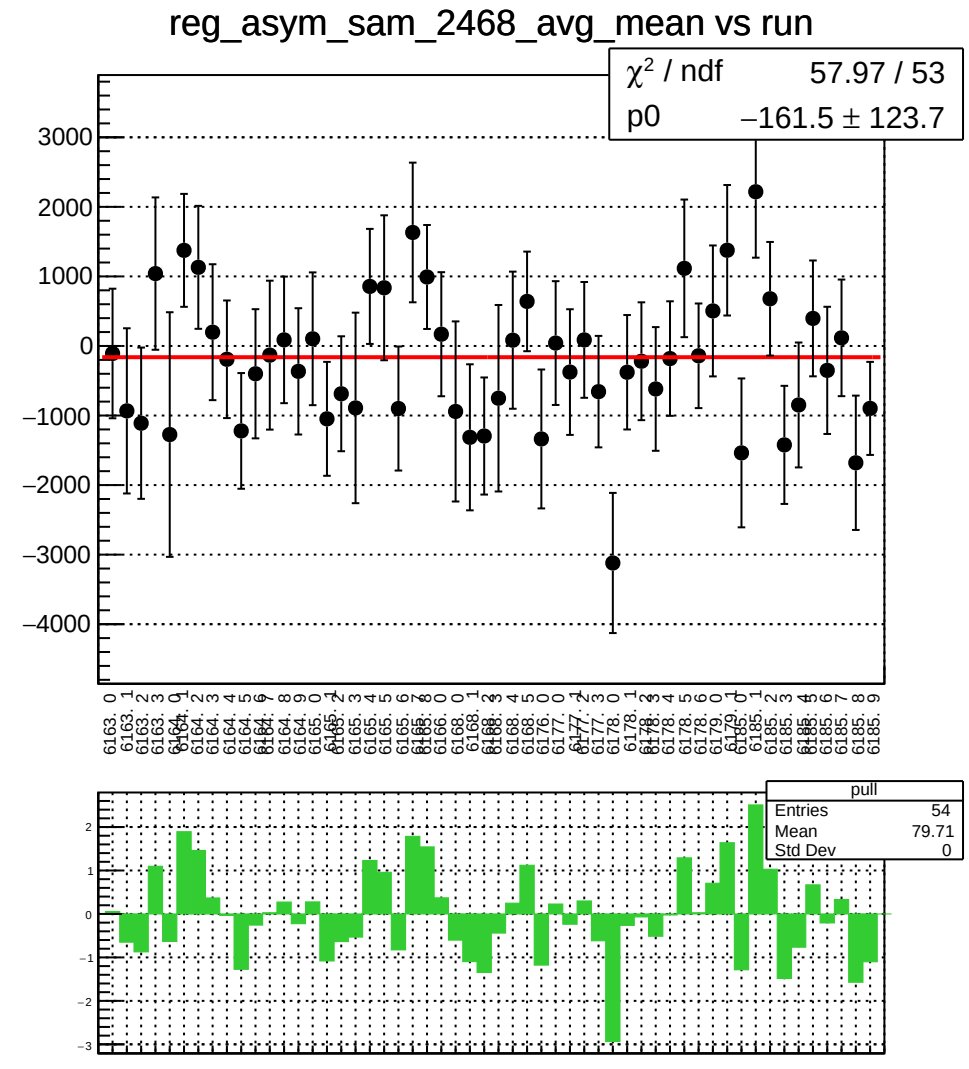

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 77.14 / 53
p0 −0.01338 ± 0.02952
pull
Entries 54
Mean −13.97
Std Dev 0
pull1D
Entries 54
Mean −0.04771
Std Dev 1.194

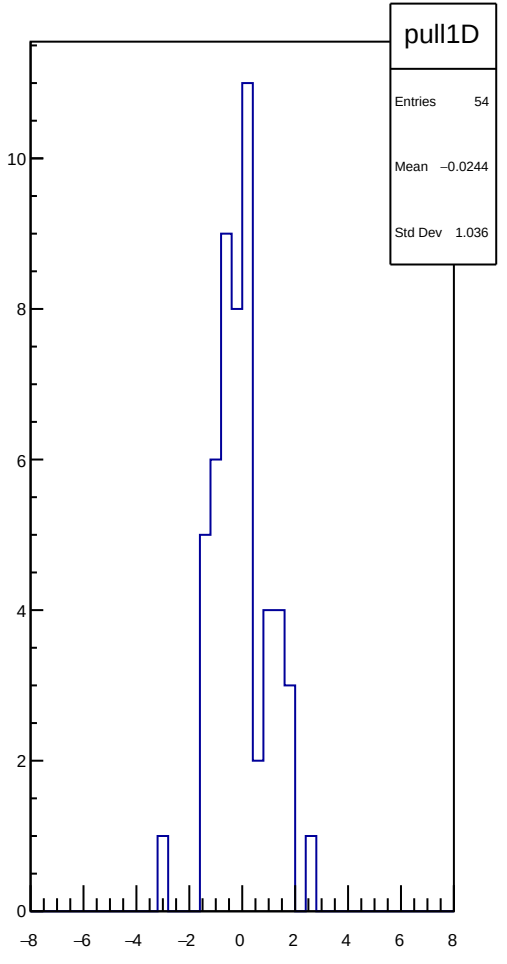

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.821e+05 / 53
p0 18.09 ± 0.02087
100
90
80
70
60
50
40
30
20
10
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

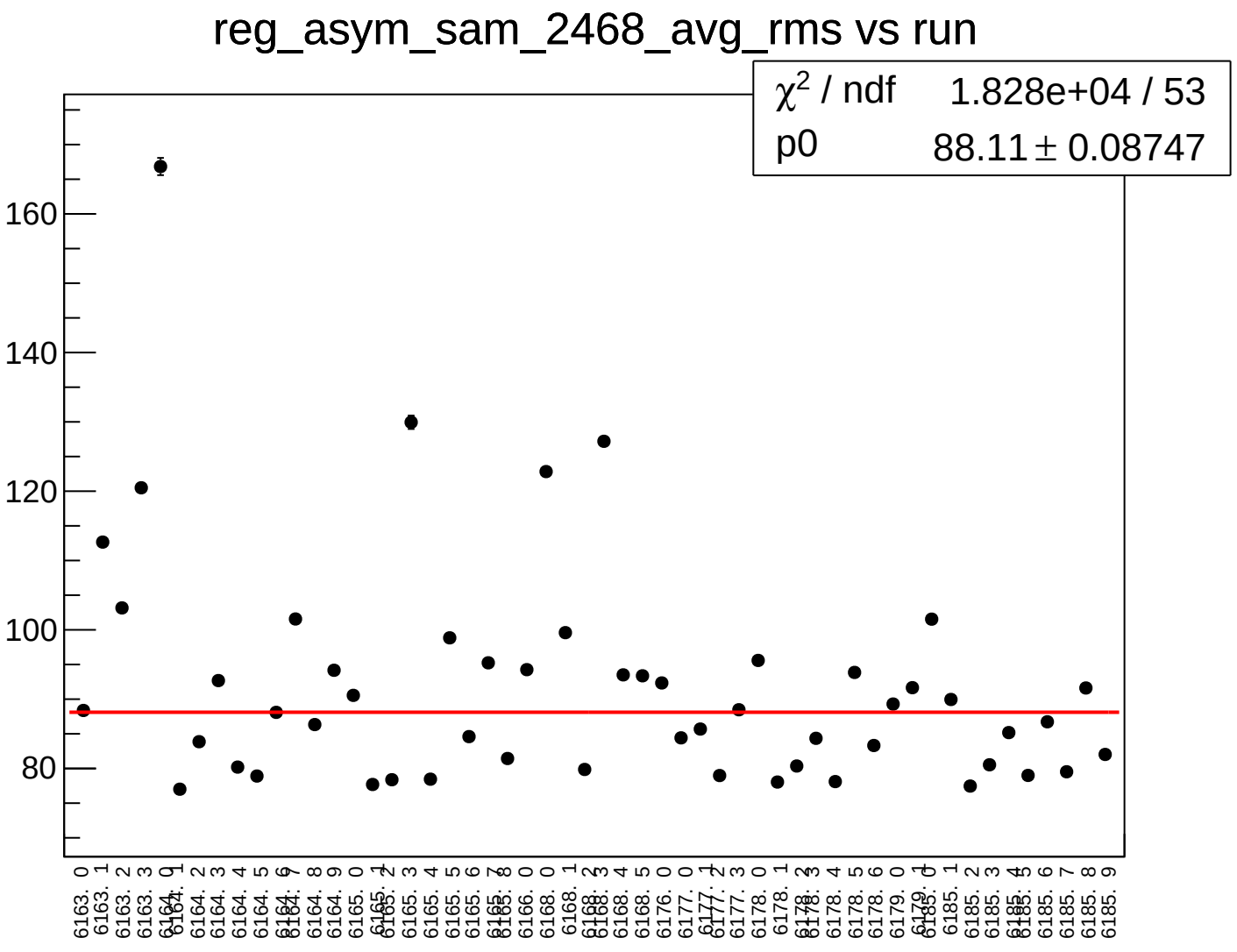

asym_sam_1357_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 59.12 / 53
p0 8.331e−15 ± 4.15e−14
pull
Entries 54
Mean −42.52
Std Dev 0

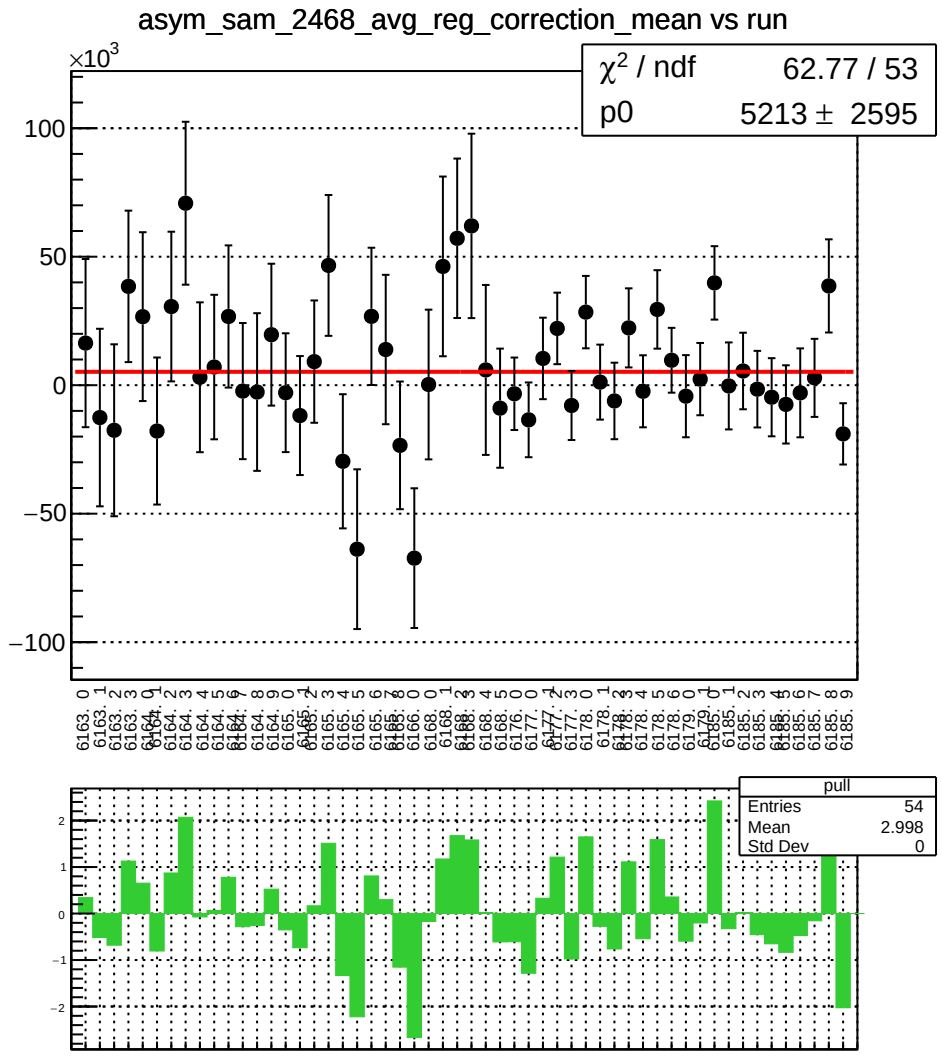

pull1D
Entries 54
Mean 0.09412
Std Dev 1.042

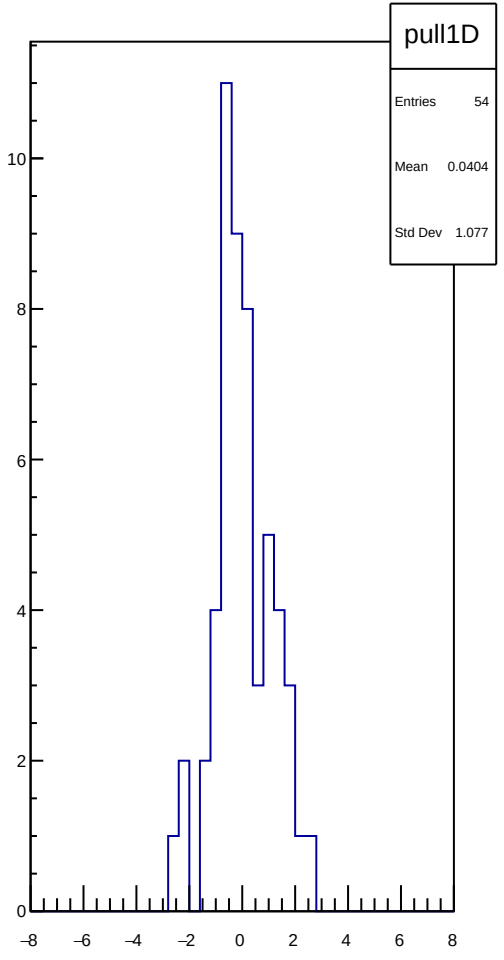

asym_sam_1357_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.221e+05 / 53
p0 1.881e−11 ± 2.934e−14
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

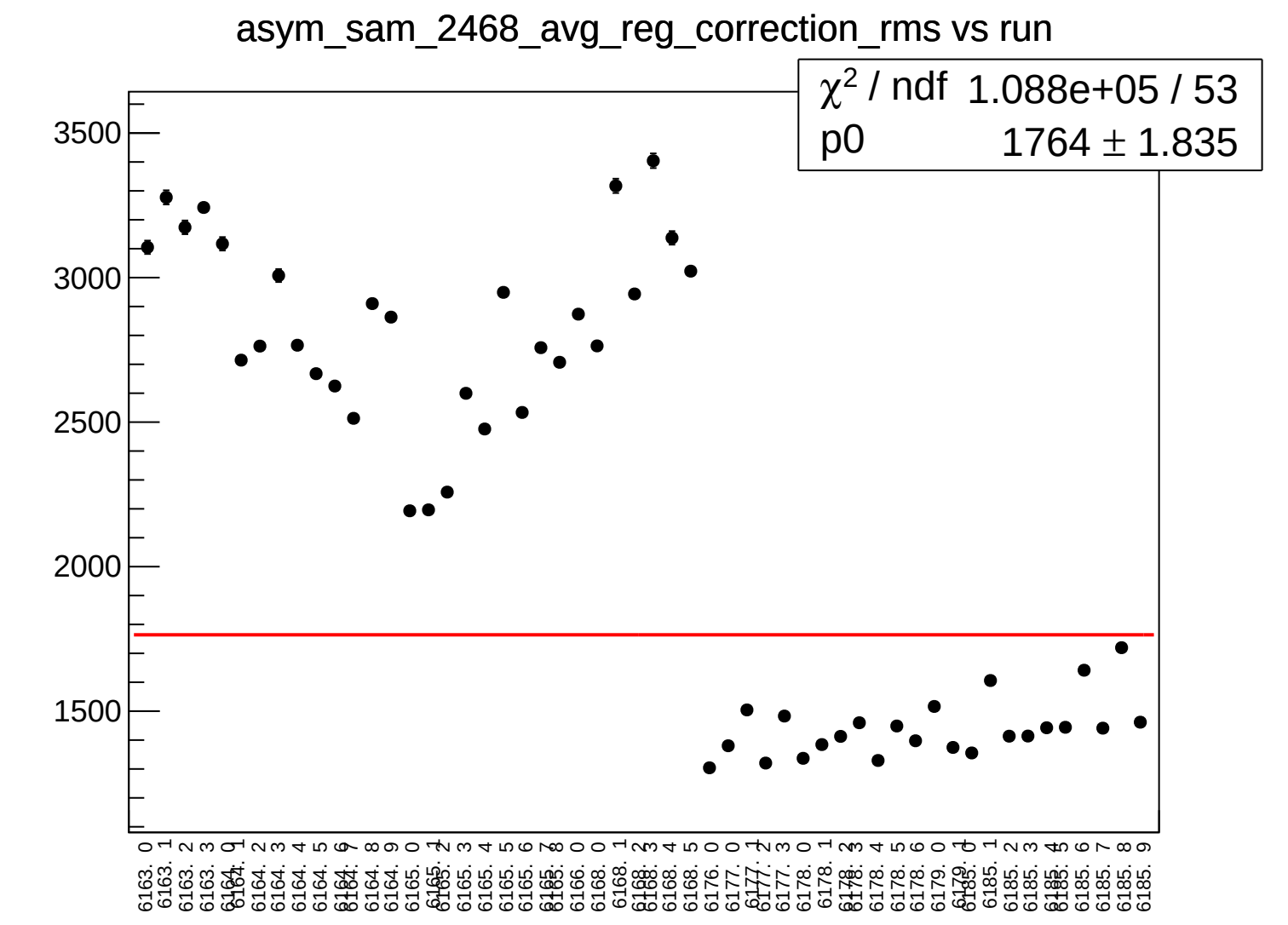

reg_asym_sam_2468_avg_mean vs run
χ² / ndf 57.97 / 53
p0 −161.5 ± 123.7
pull
Entries 54
Mean 79.71
Std Dev 0

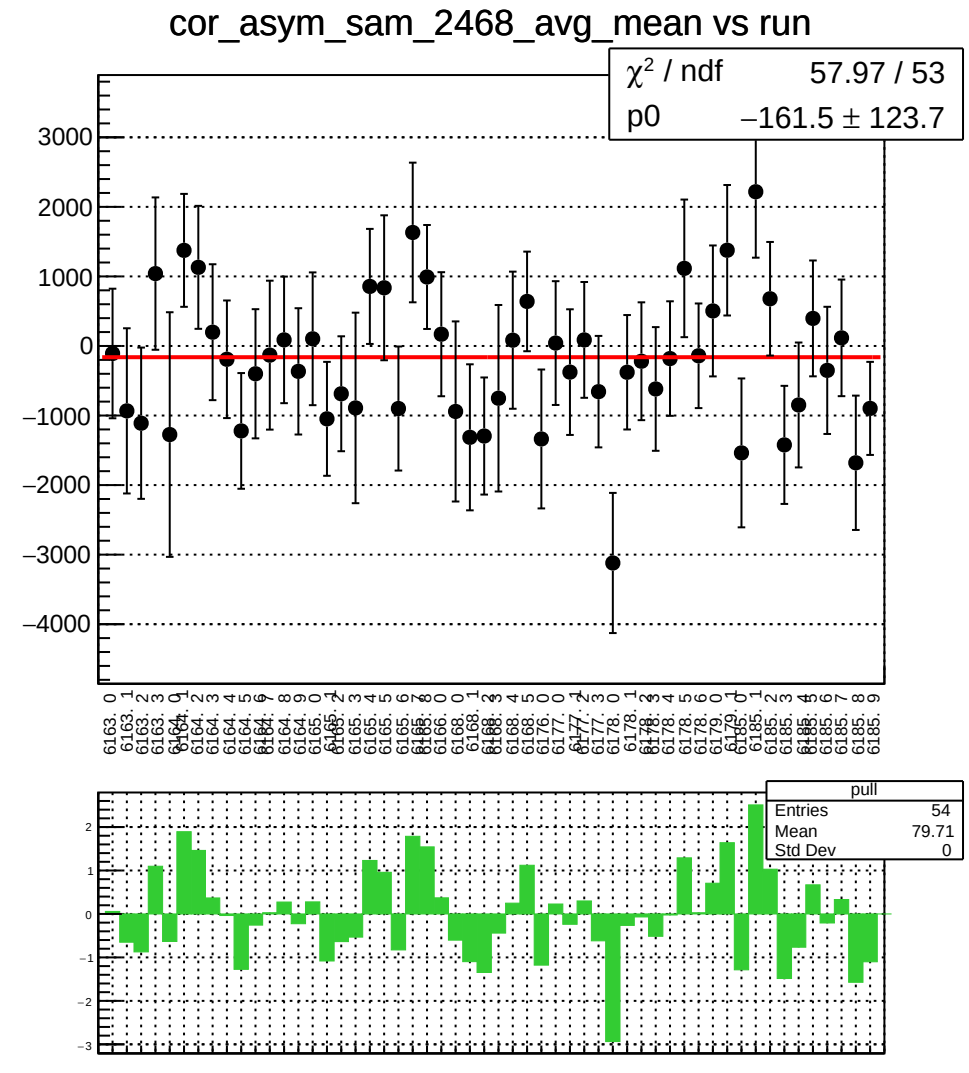

pull1D
Entries 54
Mean −0.0244
Std Dev 1.036

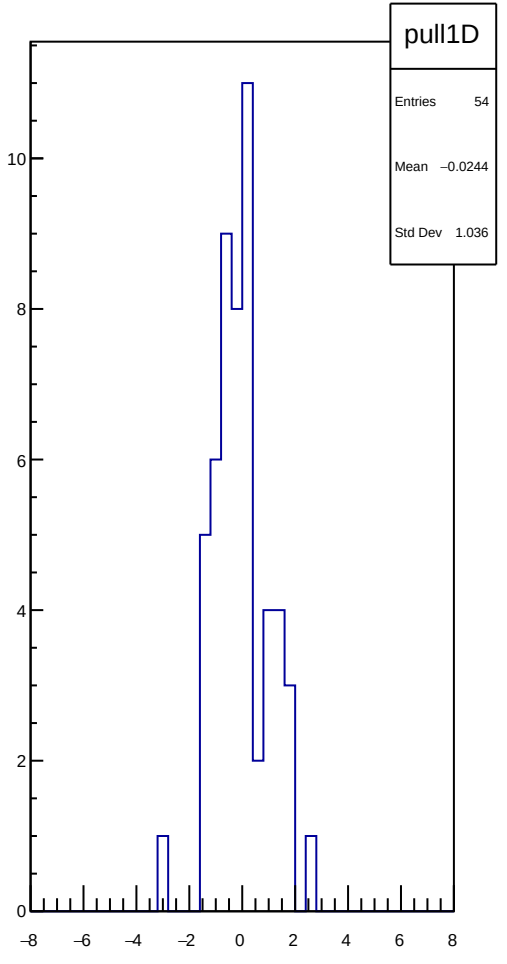

reg_asym_sam_2468_avg_rms vs run
χ² / ndf 1.828e+04 / 53
p0 88.11 ± 0.08747
160
140
120
100
80
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

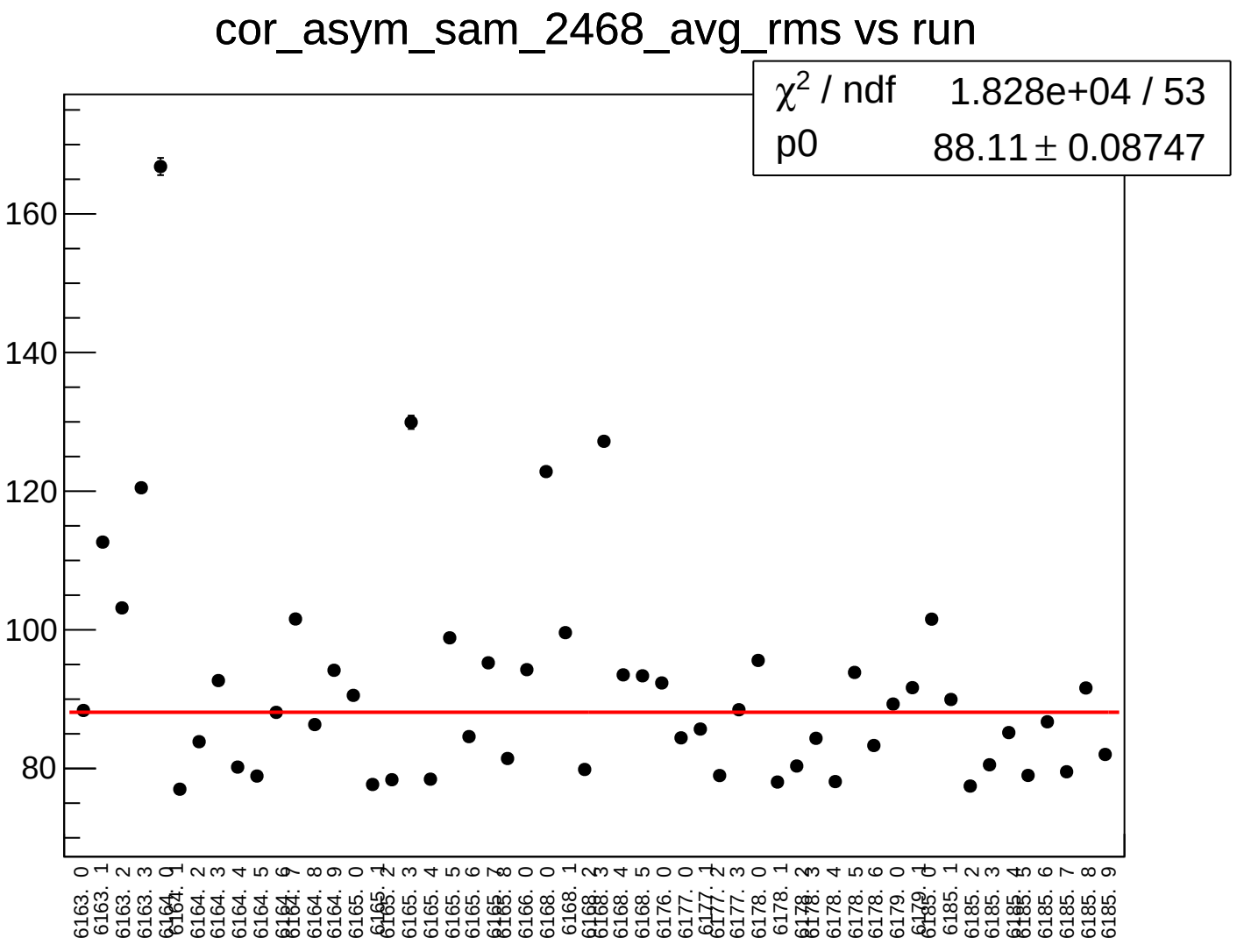

asym_sam_2468_avg_reg_correction_mean vs run
×10^3
χ² / ndf 62.77 / 53
p0 5213 ± 2595
100
50
0
−50
−100
pull
Entries 54
Mean 2.998
Std Dev 0
2
1
0
−1
−2

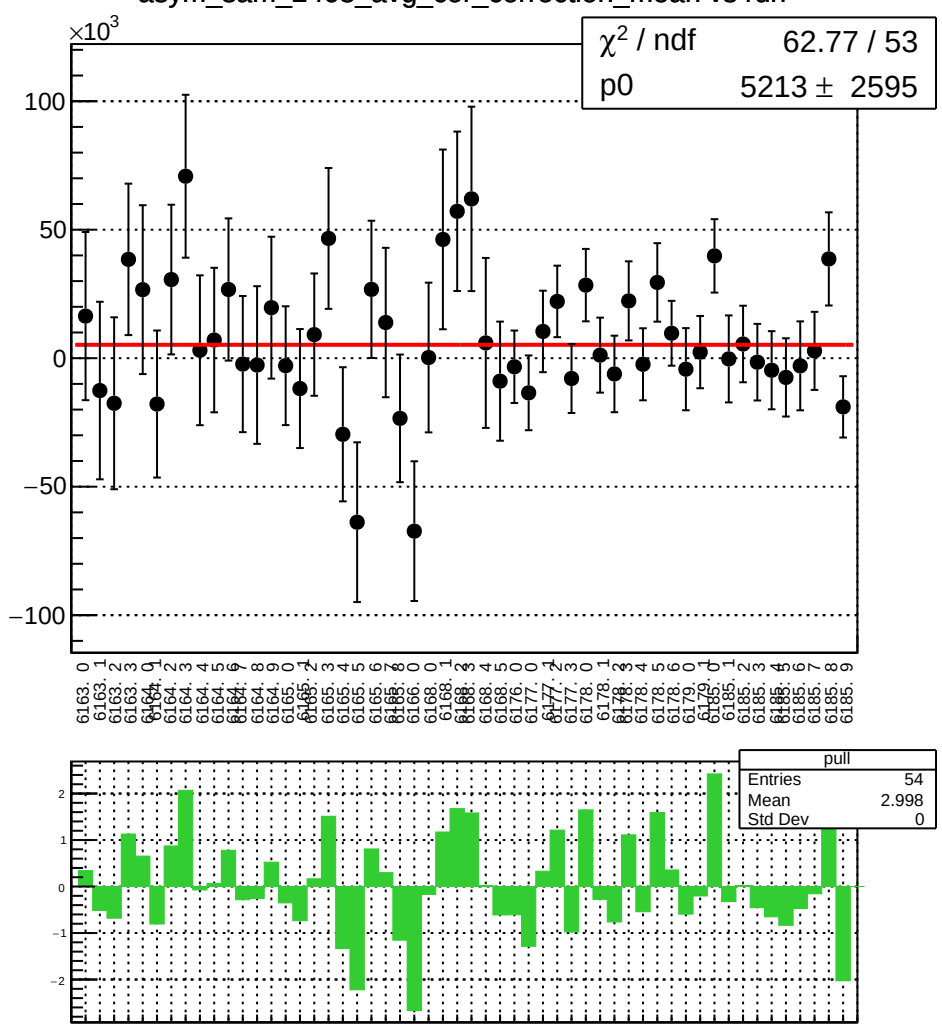

pull1D
Entries 54
Mean 0.0404
Std Dev 1.077
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

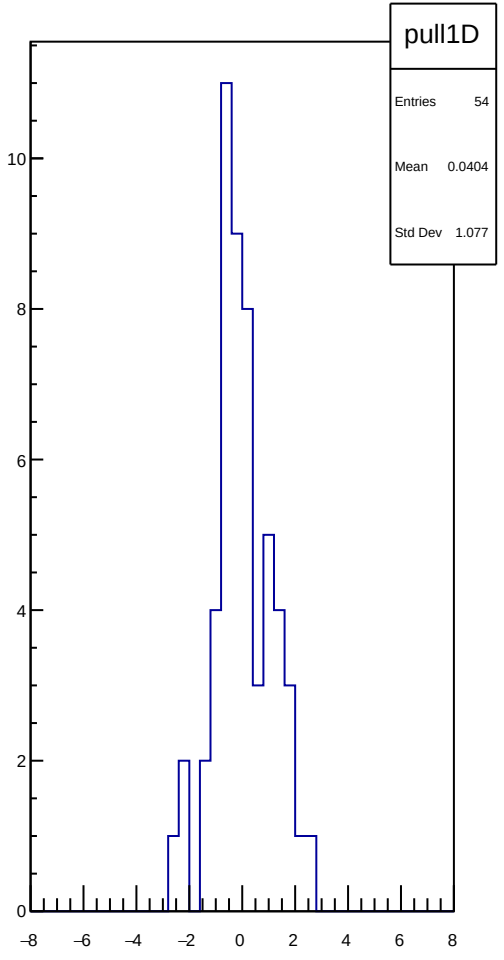

asym_sam_2468_avg_reg_correction_rms vs run
χ² / ndf 1.088e+05 / 53
p0 1764 ± 1.835
3500
3000
2500
2000
1500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

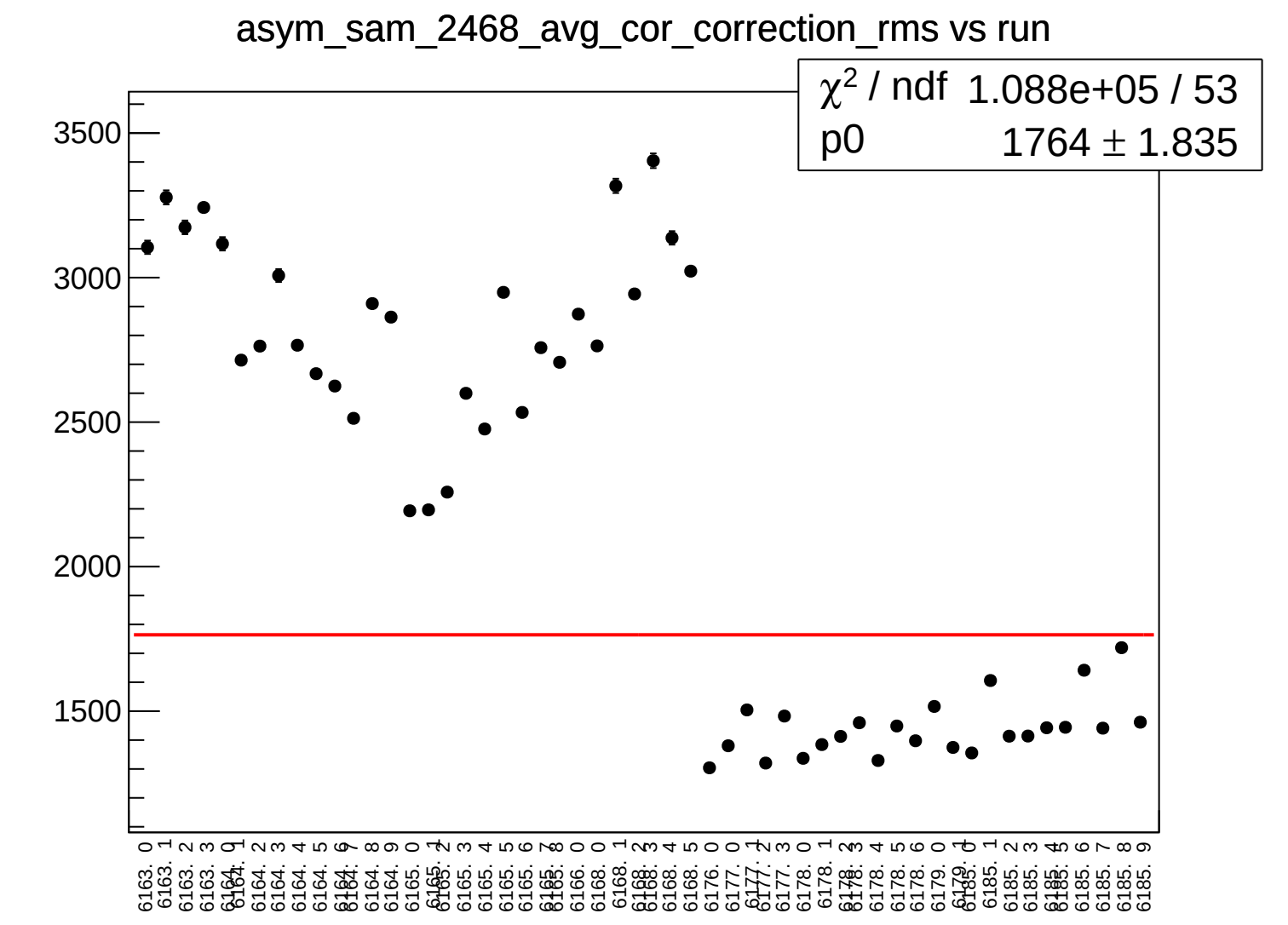

cor_asym_sam_2468_avg_mean vs run
χ² / ndf 57.97 / 53
p0 −161.5 ± 123.7
pull
Entries 54
Mean 79.71
Std Dev 0

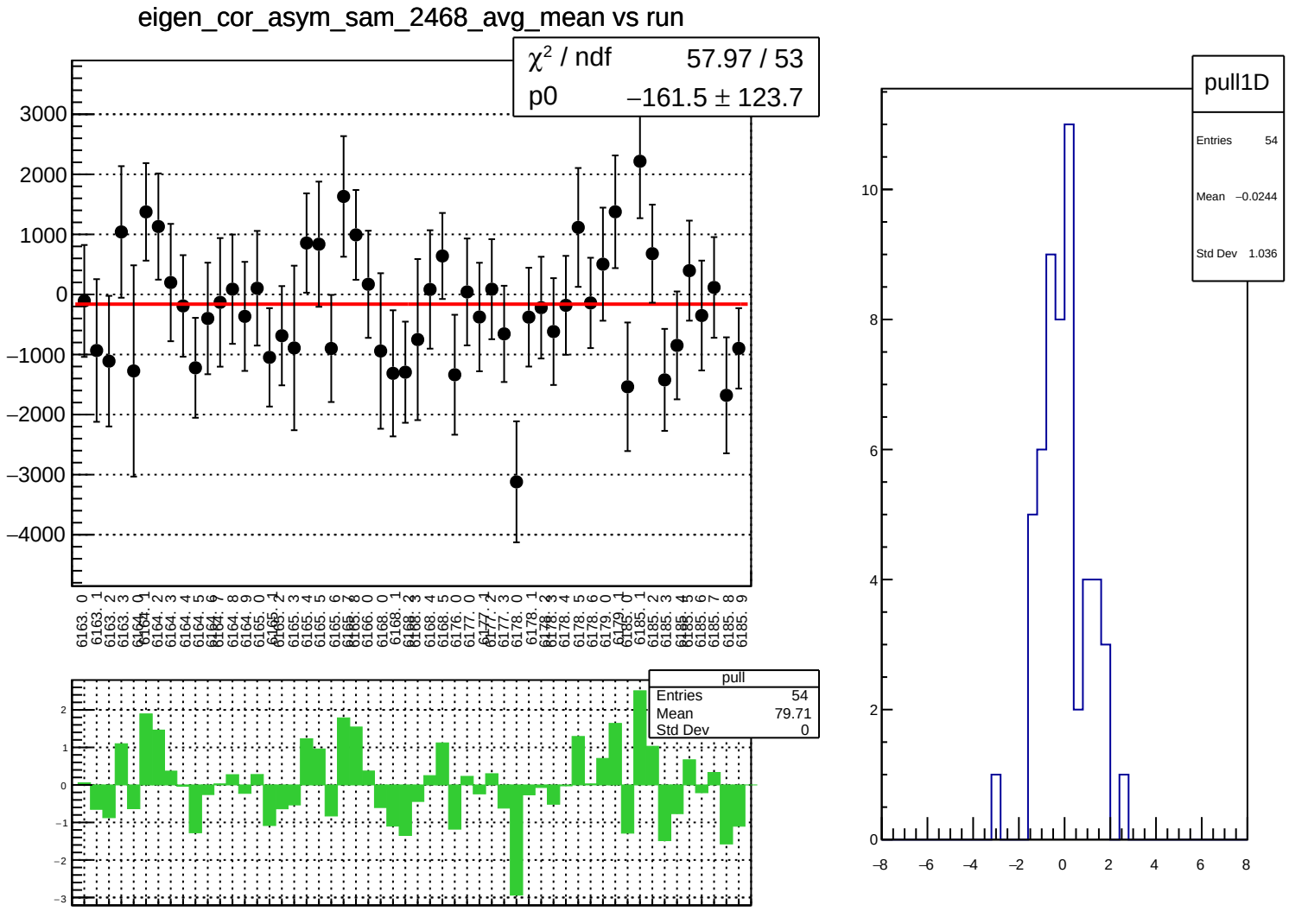

pull1D
Entries 54
Mean −0.0244
Std Dev 1.036

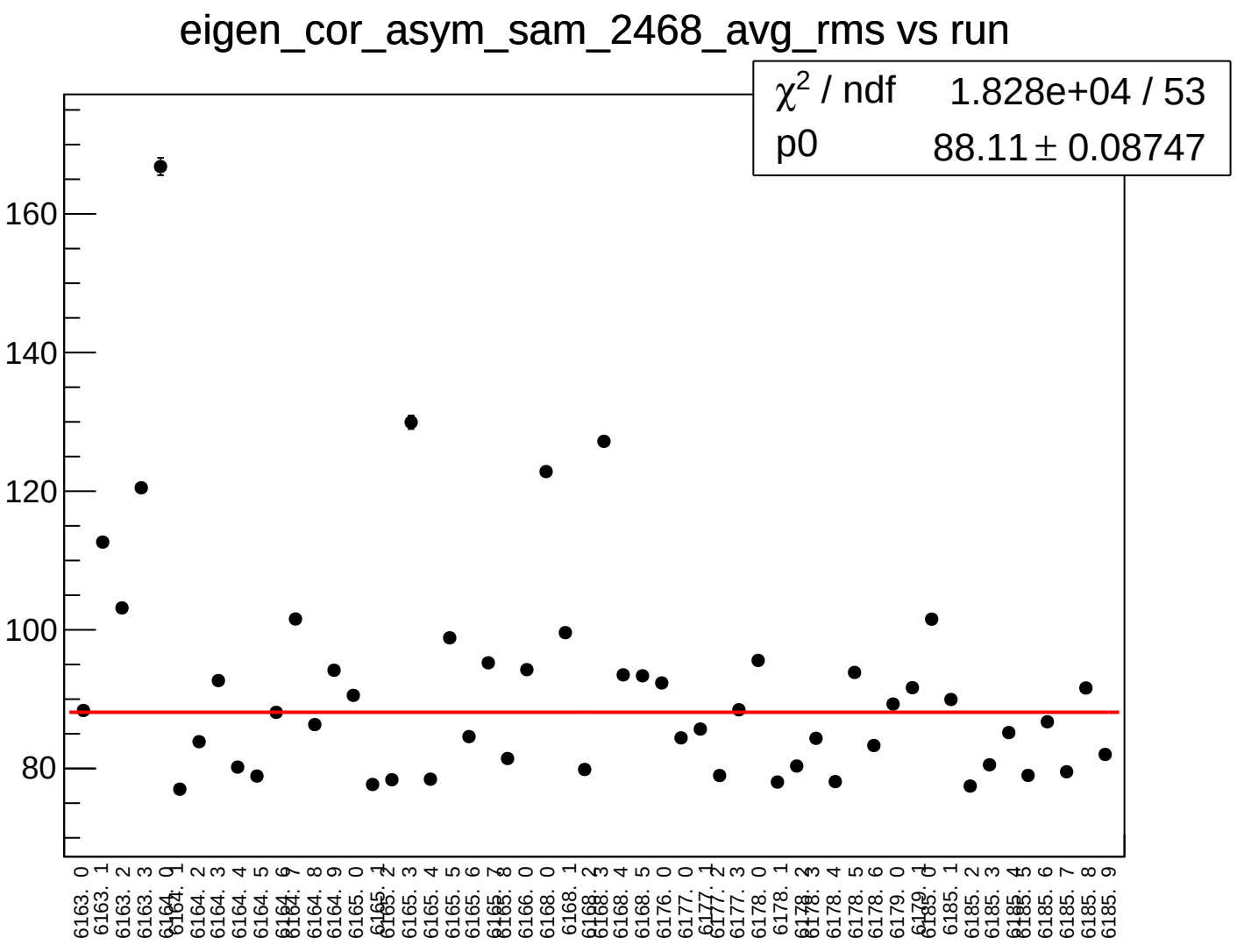

cor_asym_sam_2468_avg_rms vs run
χ² / ndf 1.828e+04 / 53
p0 88.11 ± 0.08747
160
140
120
100
80
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

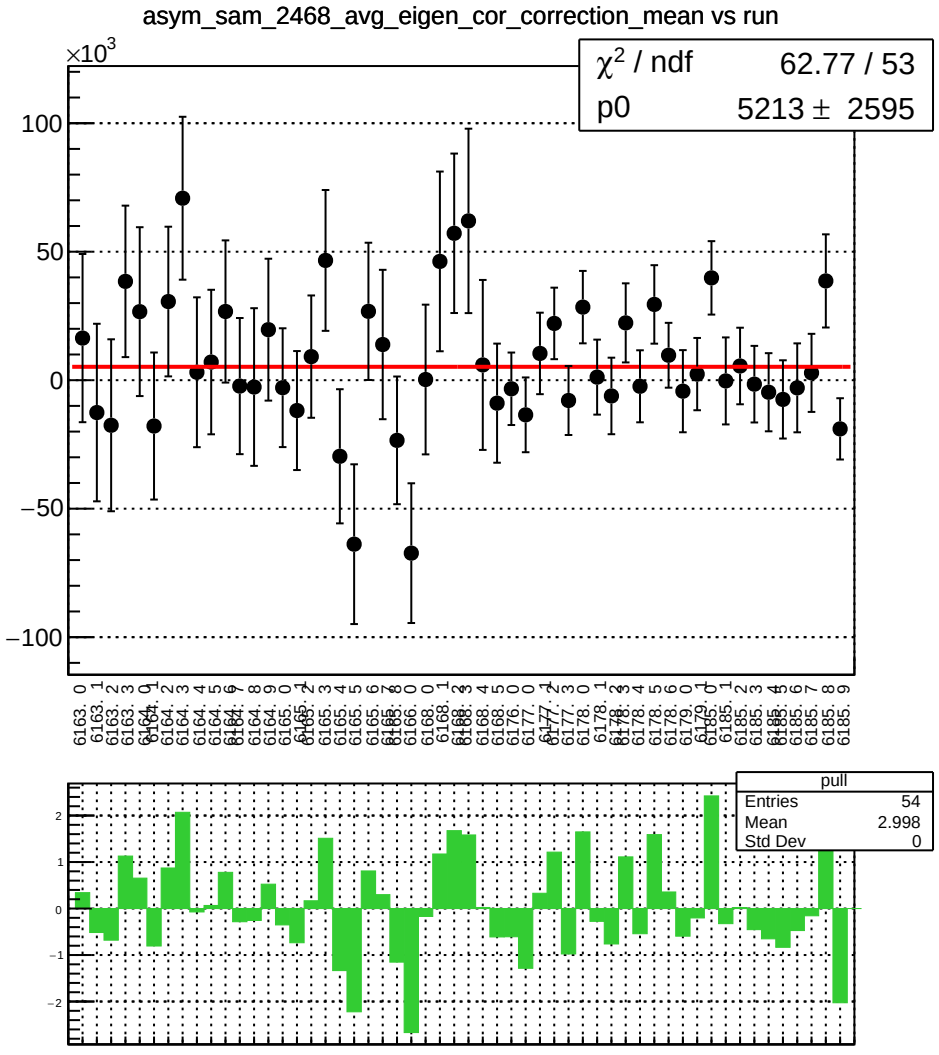

asym_sam_2468_avg_cor_correction_mean vs run
×10^3
χ² / ndf 62.77 / 53
p0 5213 ± 2595
100
50
0
−50
−100
pull
Entries 54
Mean 2.998
Std Dev 0
2
1
0
−1
−2

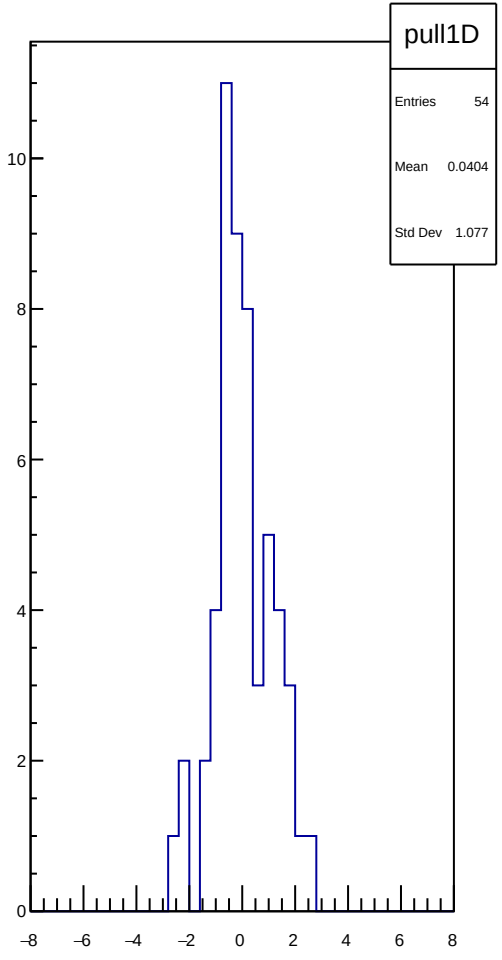

pull1D
Entries 54
Mean 0.0404
Std Dev 1.077
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

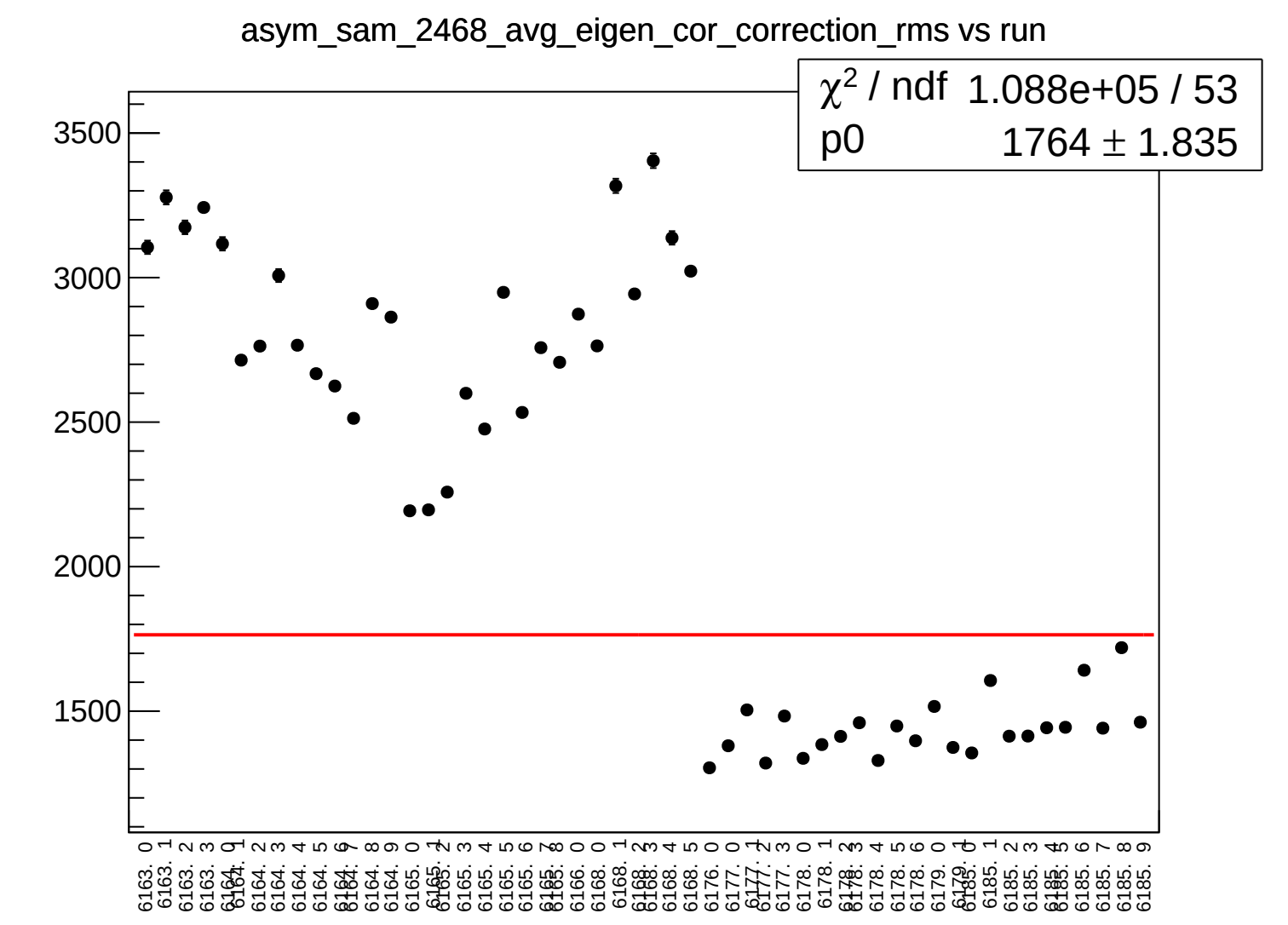

asym_sam_2468_avg_cor_correction_rms vs run
χ² / ndf 1.088e+05 / 53
p0 1764 ± 1.835
3500
3000
2500
2000
1500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

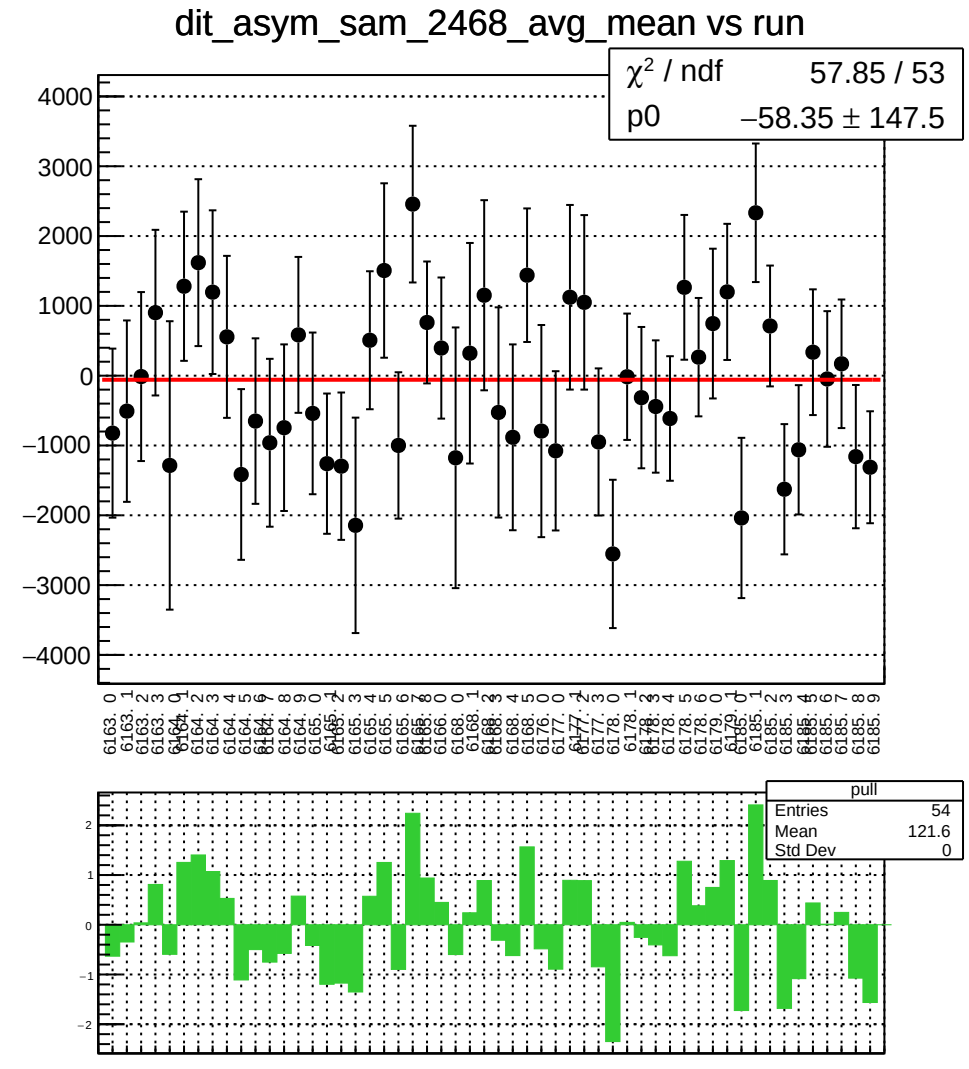

eigen_cor_asym_sam_2468_avg_mean vs run
χ² / ndf 57.97 / 53
p0 −161.5 ± 123.7
pull
Entries 54
Mean 79.71
Std Dev 0
pull1D
Entries 54
Mean −0.0244
Std Dev 1.036

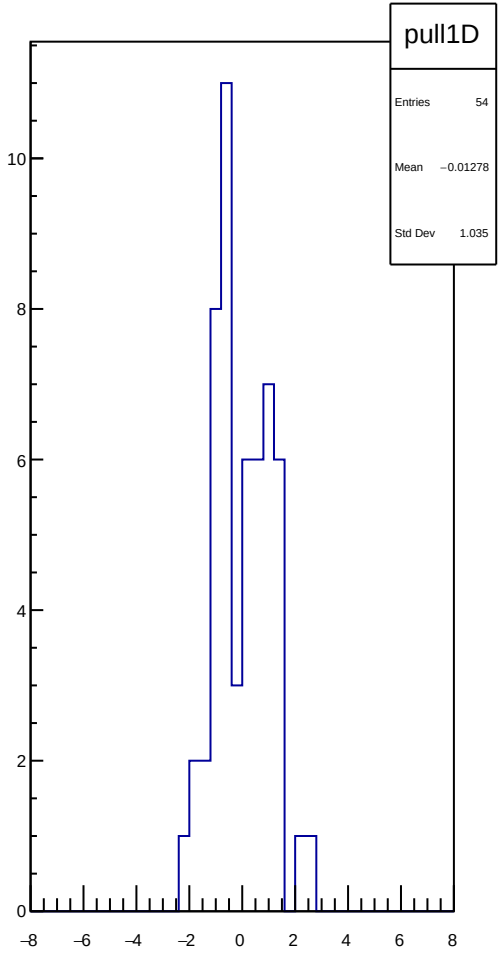

eigen_cor_asym_sam_2468_avg_rms vs run
χ^2 / ndf 1.828e+04 / 53
p0 88.11 ± 0.08747
160
140
120
100
80
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

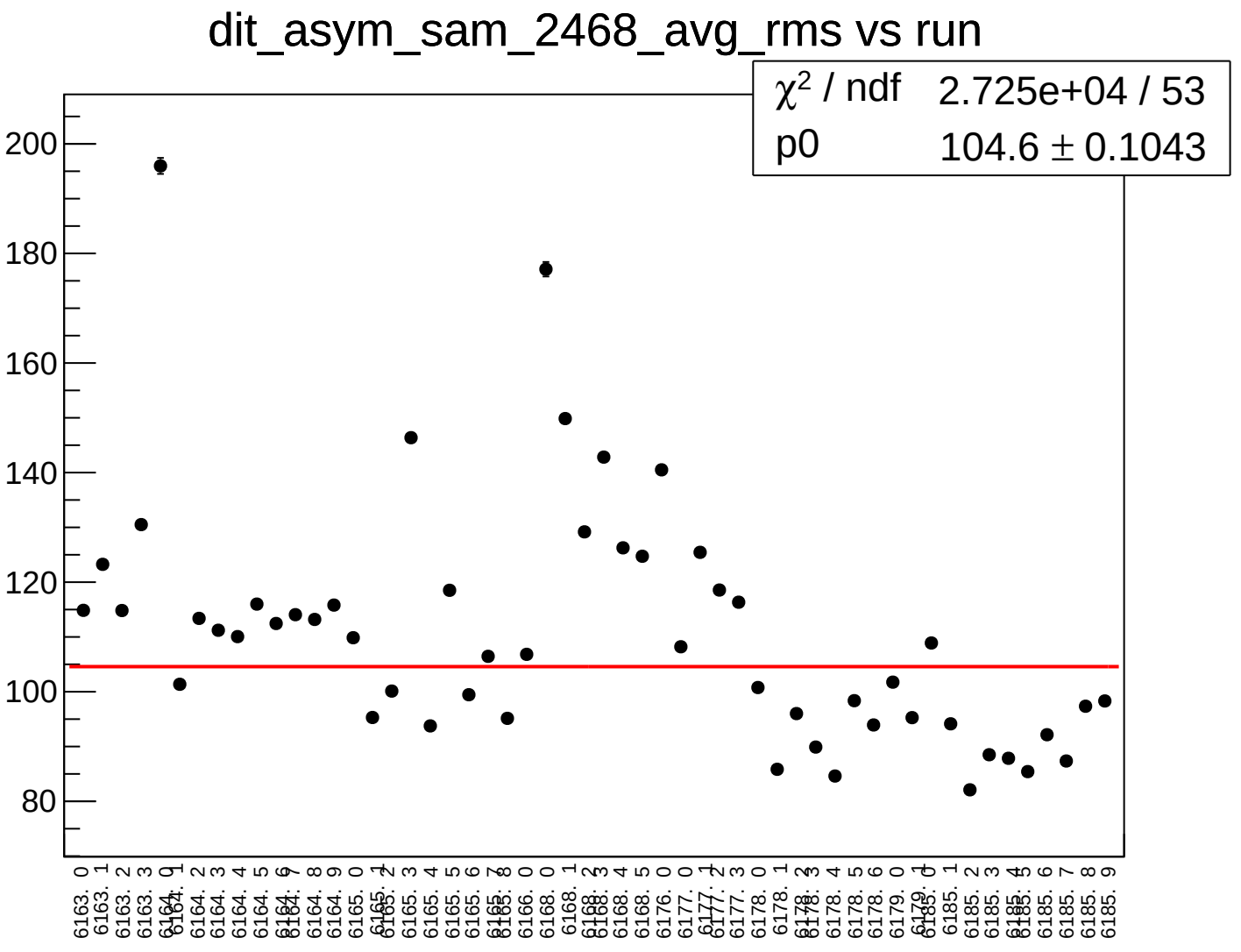

asym_sam_2468_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 62.77 / 53
p0 5213 ± 2595
100
50
0
−50
−100
pull
Entries 54
Mean 2.998
Std Dev 0
2
1
0
−1
−2

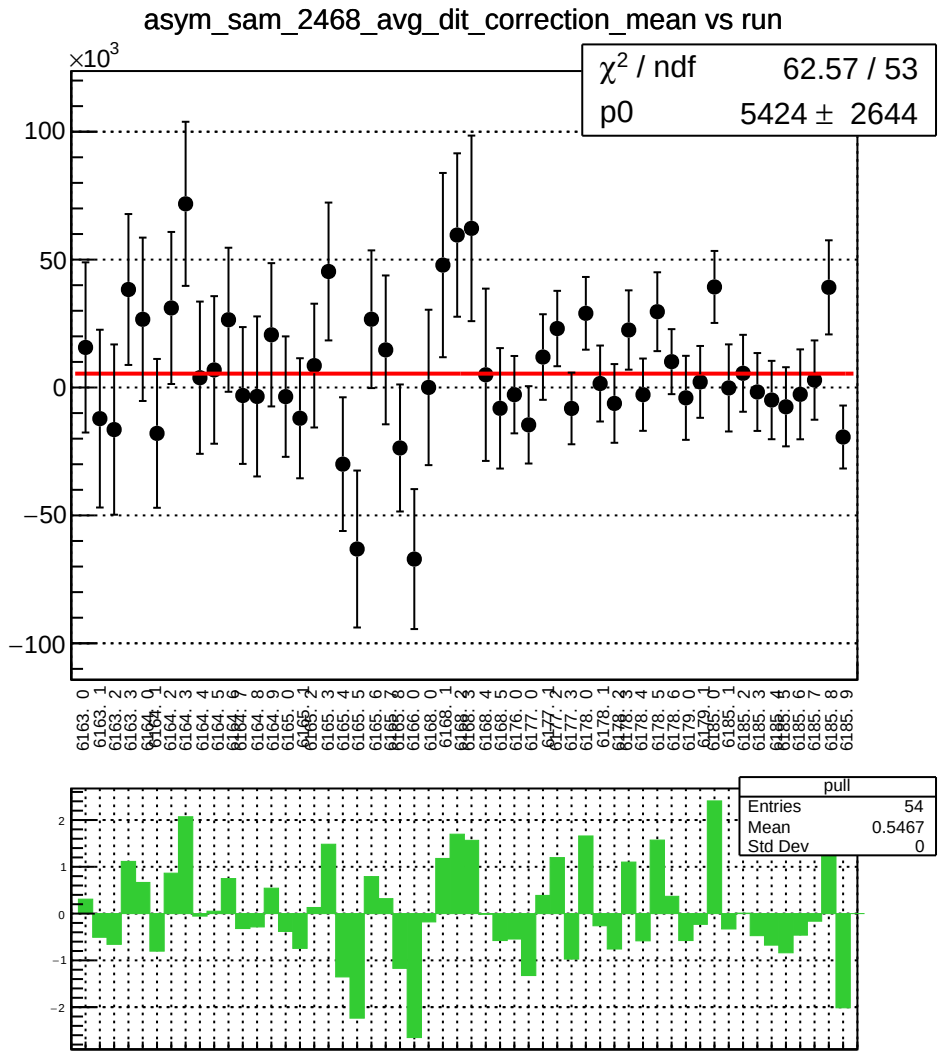

pull1D
Entries 54
Mean 0.0404
Std Dev 1.077
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

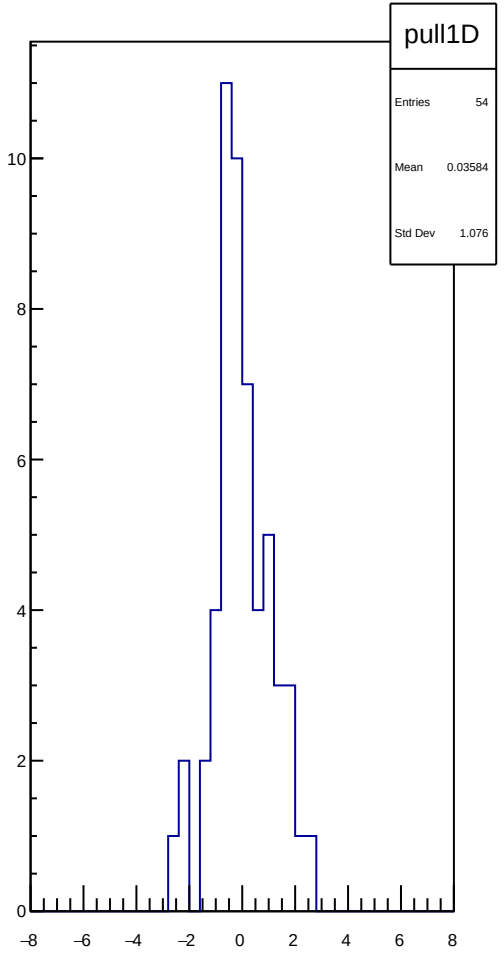

asym_sam_2468_avg_eigen_cor_correction_rms vs run
χ² / ndf 1.088e+05 / 53
p0 1764 ± 1.835
3500
3000
2500
2000
1500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

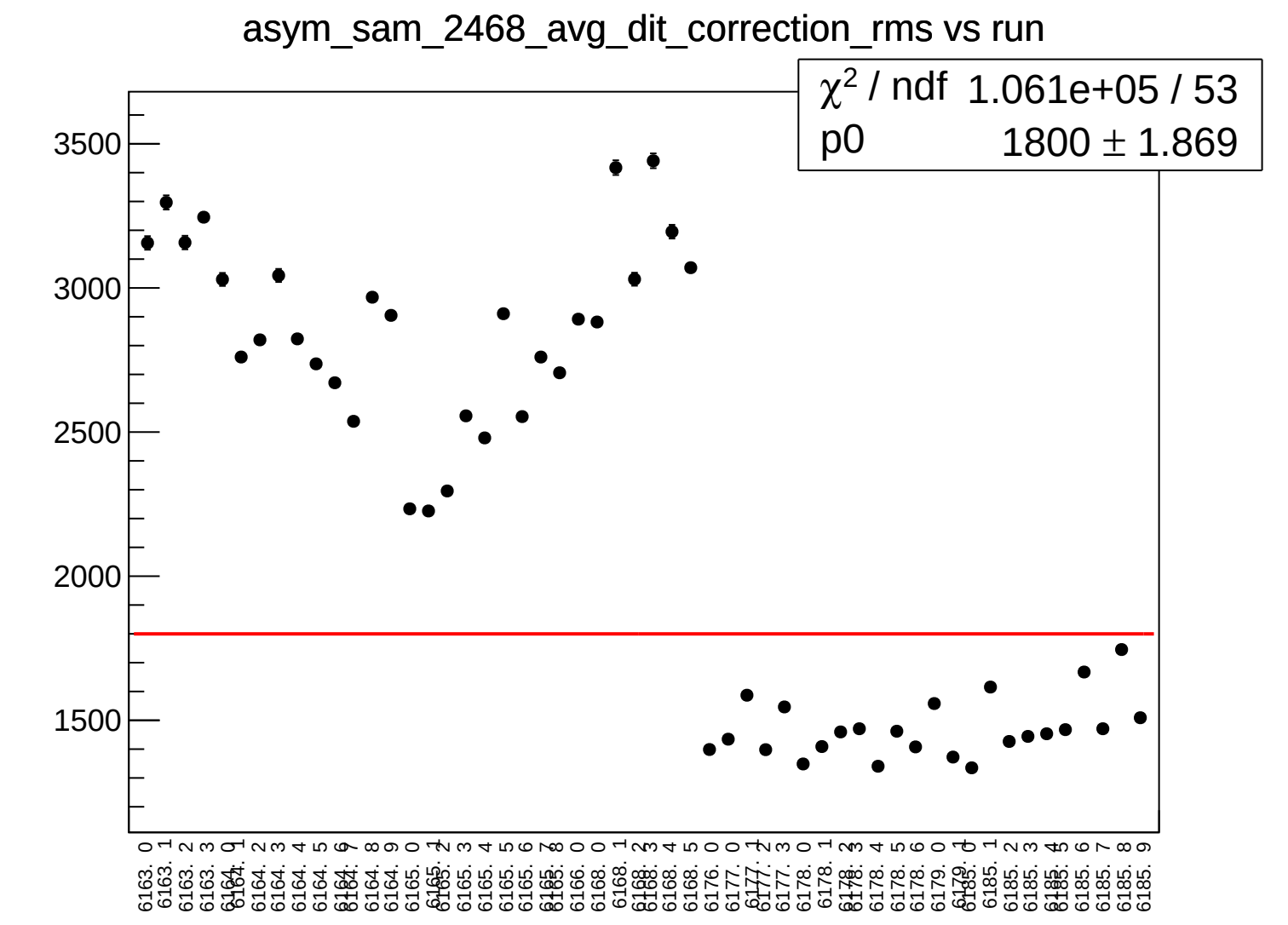

dit_asym_sam_2468_avg_mean vs run
χ² / ndf 57.85 / 53
p0 −58.35 ± 147.5
pull
Entries 54
Mean 121.6
Std Dev 0

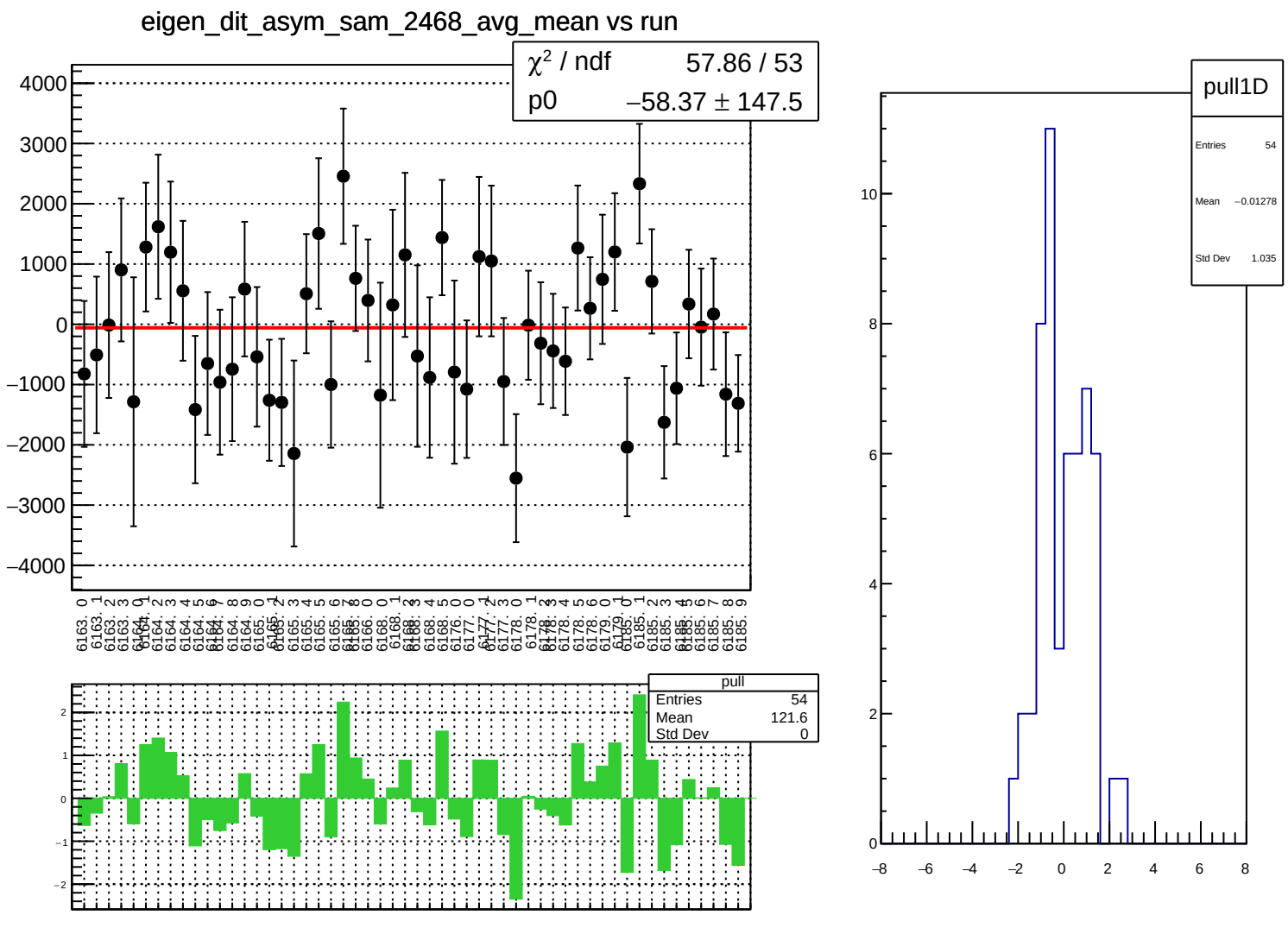

pull1D
Entries 54
Mean −0.01278
Std Dev 1.035

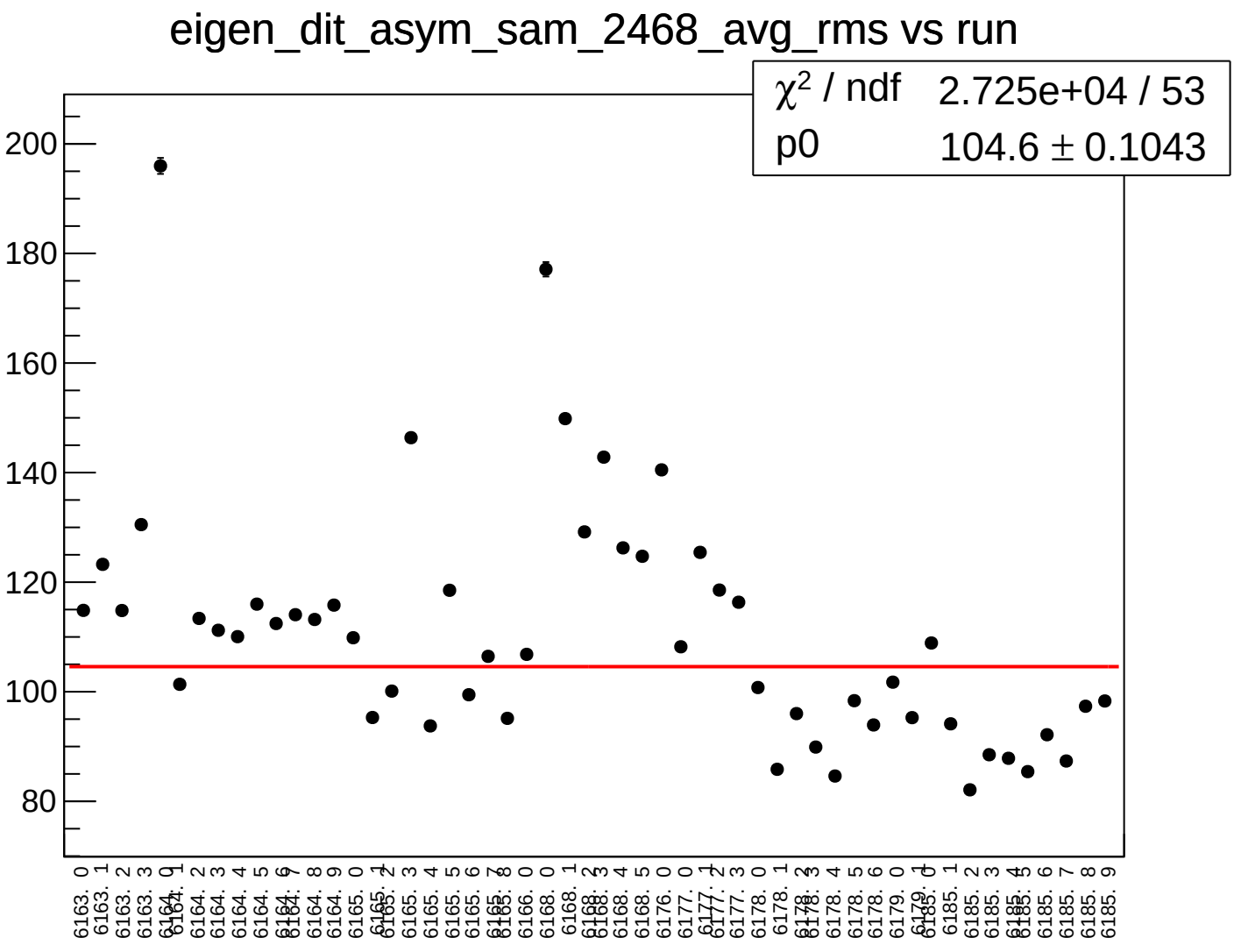

dit_asym_sam_2468_avg_rms vs run
χ² / ndf 2.725e+04 / 53
p0 104.6 ± 0.1043
200
180
160
140
120
100
80
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

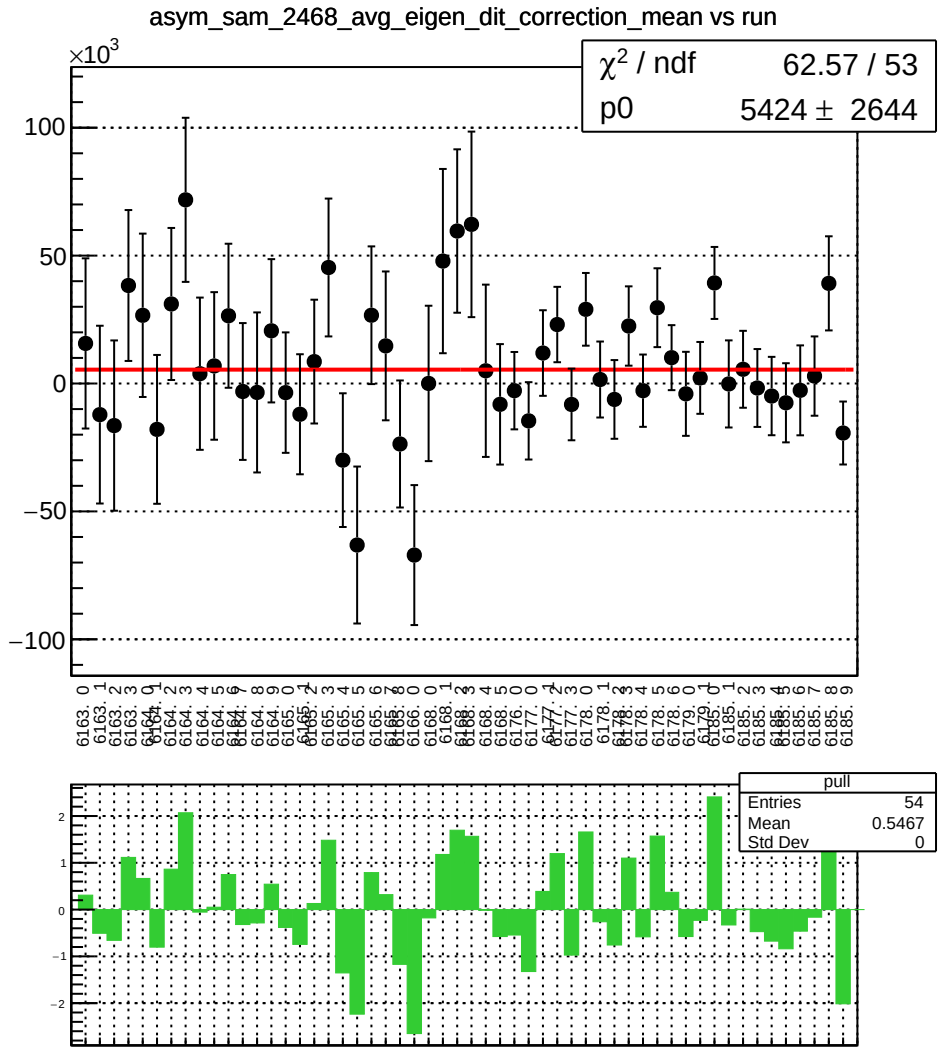

asym_sam_2468_avg_dit_correction_mean vs run
×10^3
χ² / ndf 62.57 / 53
p0 5424 ± 2644
100
50
0
−50
−100
pull
Entries 54
Mean 0.5467
Std Dev 0
2
1
0
−1
−2

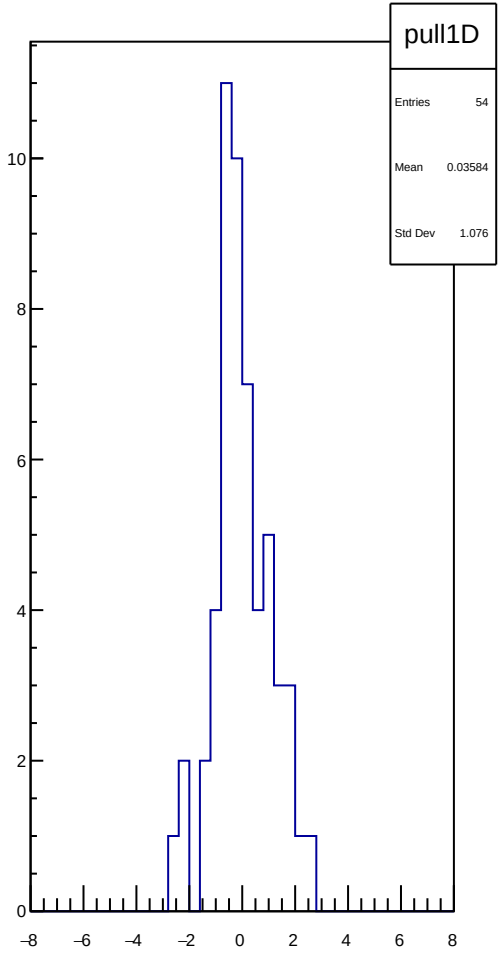

pull1D
Entries 54
Mean 0.03584
Std Dev 1.076
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

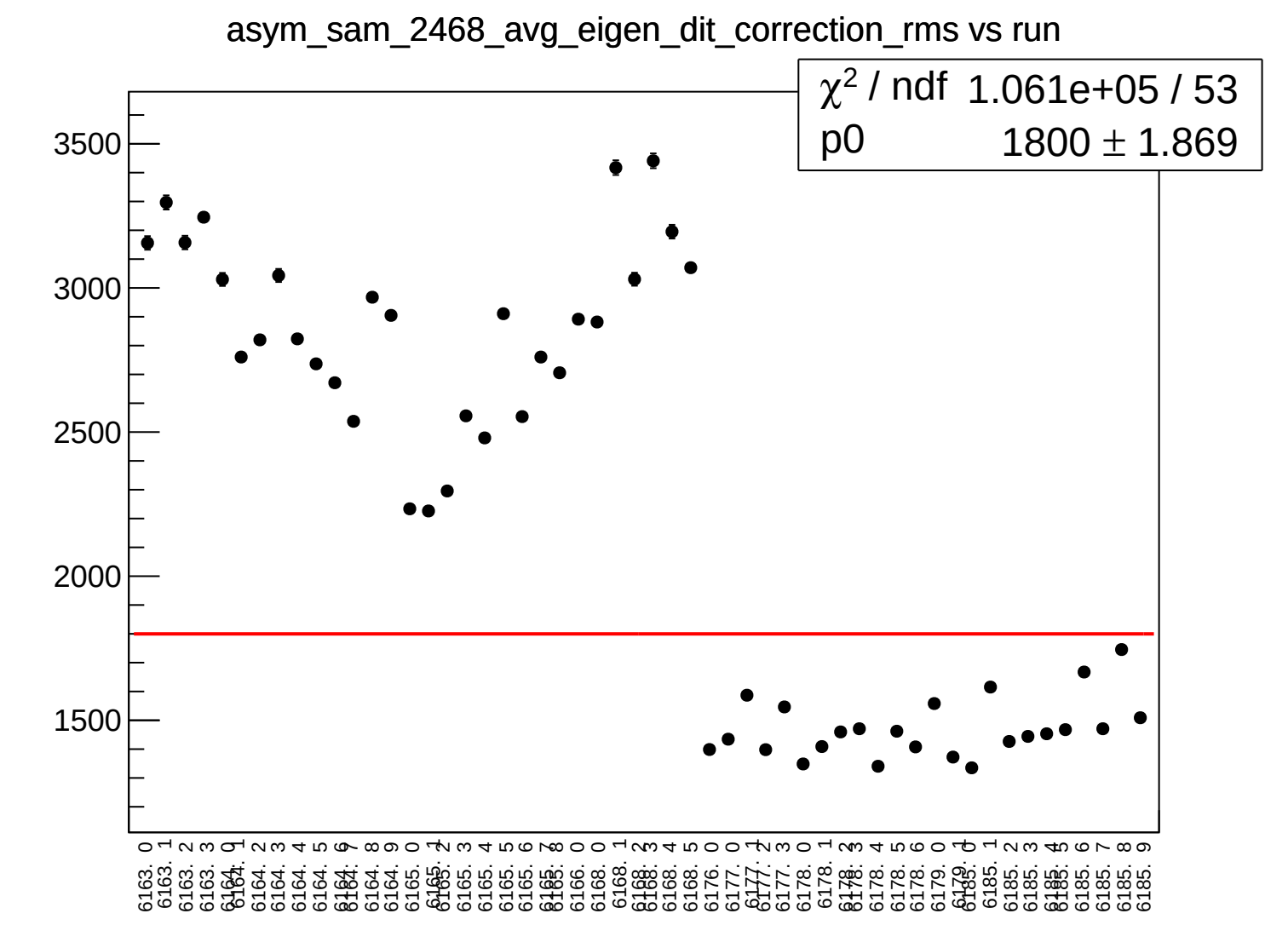

asym_sam_2468_avg_dit_correction_rms vs run
χ² / ndf 1.061e+05 / 53
p0 1800 ± 1.869
3500
3000
2500
2000
1500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

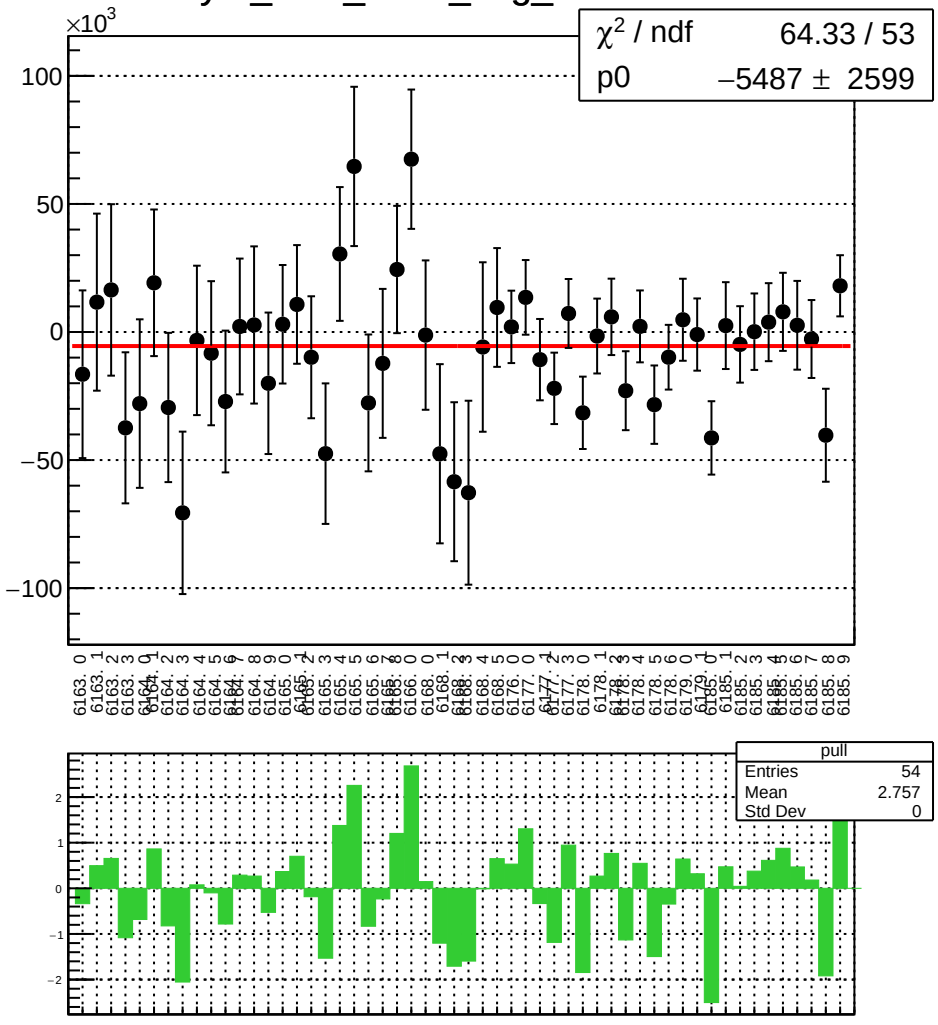

eigen_dit_asym_sam_2468_avg_mean vs run
χ² / ndf 57.86 / 53
p0 −58.37 ± 147.5
pull
Entries 54
Mean 121.6
Std Dev 0
pull1D
Entries 54
Mean −0.01278
Std Dev 1.035

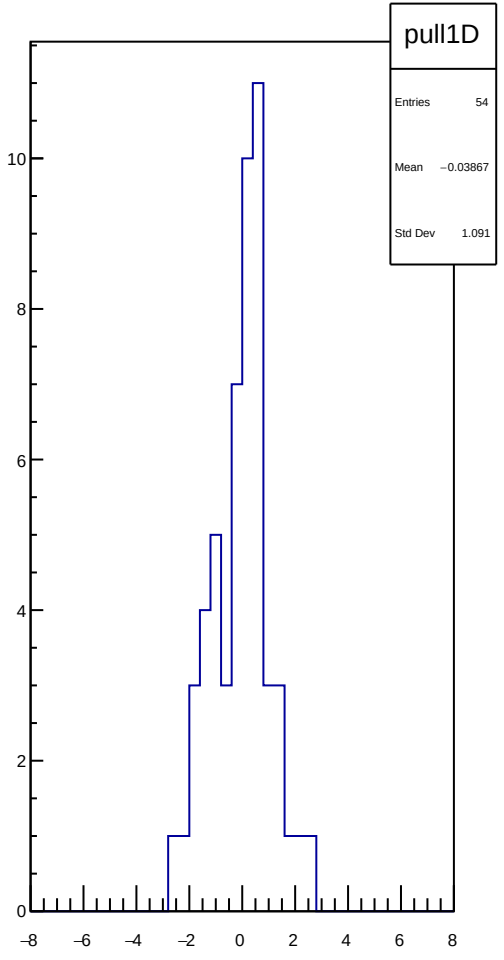

eigen_dit_asym_sam_2468_avg_rms vs run
χ² / ndf 2.725e+04 / 53
p0 104.6 ± 0.1043
200
180
160
140
120
100
80
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

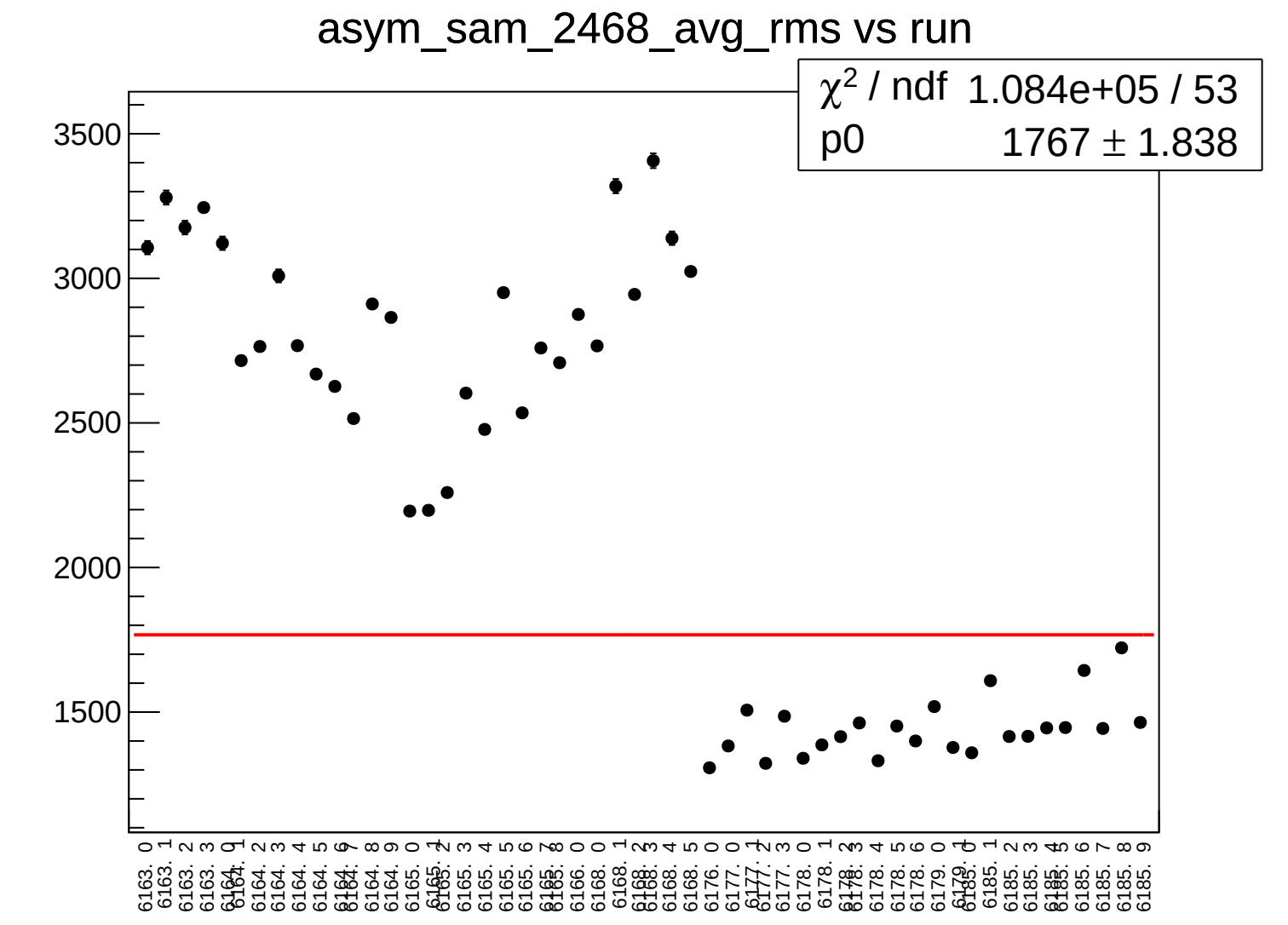

asym_sam_2468_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 62.57 / 53
p0 5424 ± 2644
100
50
0
−50
−100
pull
Entries 54
Mean 0.5467
Std Dev 0
2
1
0
−1
−2

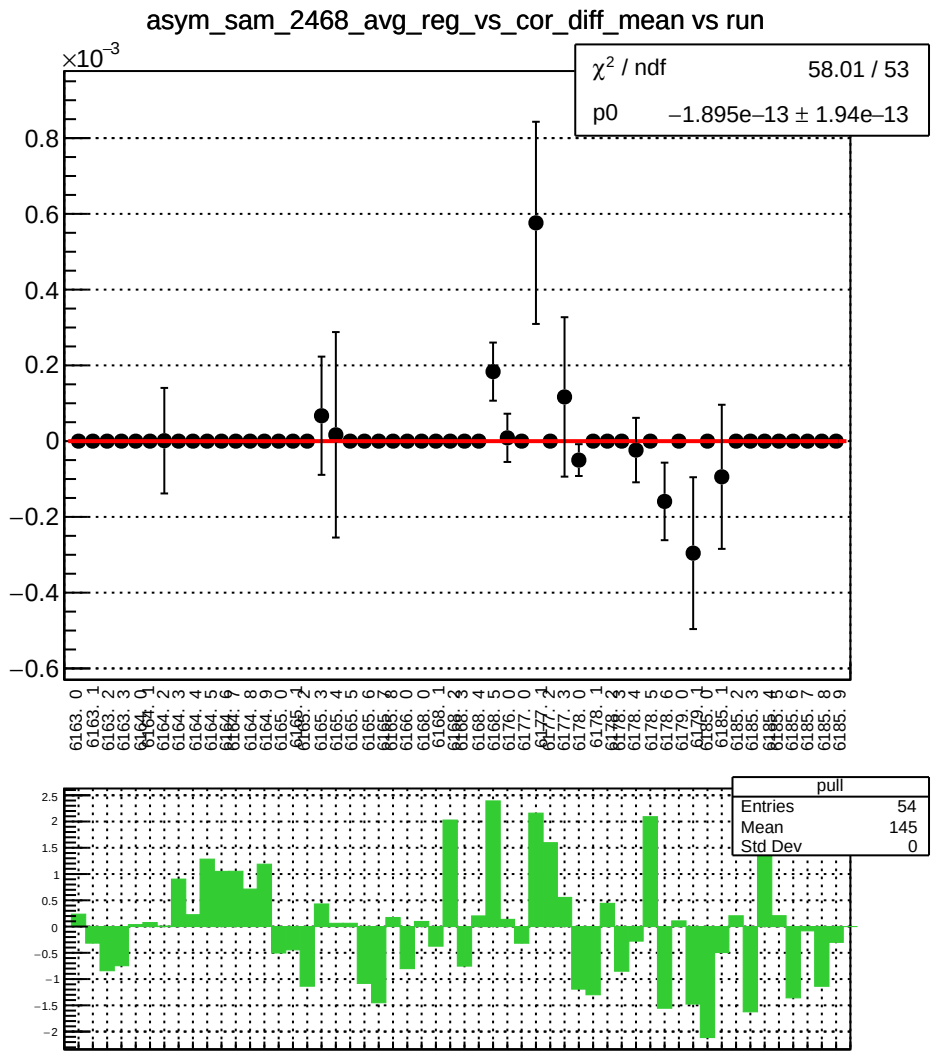

pull1D
Entries 54
Mean 0.03584
Std Dev 1.076
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

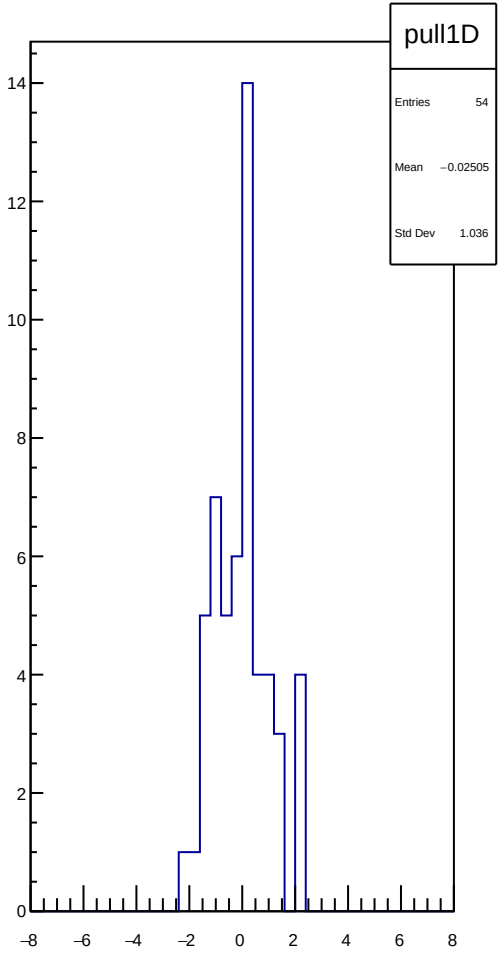

asym_sam_2468_avg_eigen_dit_correction_rms vs run
χ² / ndf 1.061e+05 / 53
p0 1800 ± 1.869
3500
3000
2500
2000
1500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

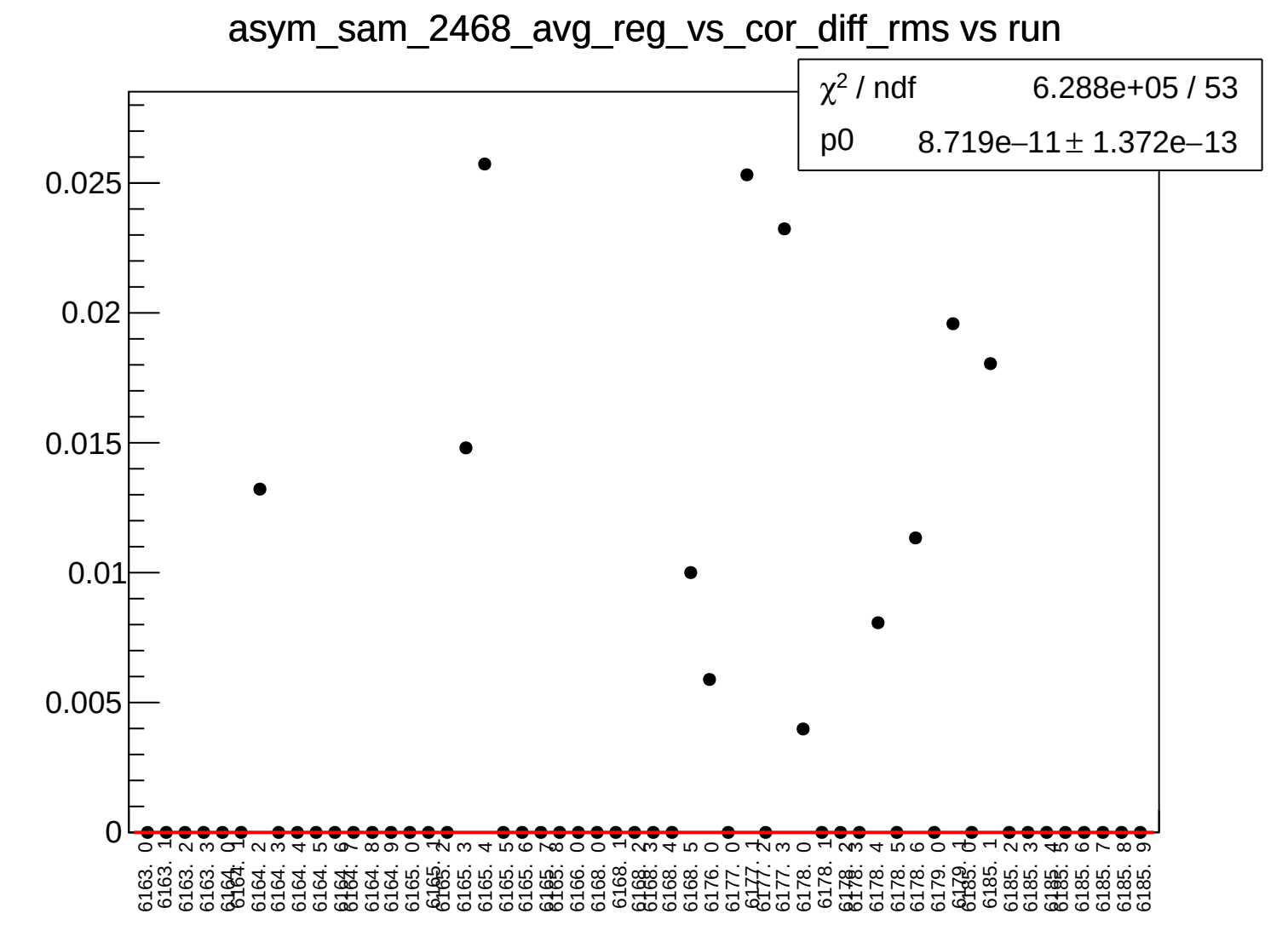

asym_sam_2468_avg_mean vs run
×10^3
χ² / ndf 64.33 / 53
p0 −5487 ± 2599
100
50
0
−50
−100
pull
Entries 54
Mean 2.757
Std Dev 0
2
1
0
−1
−2

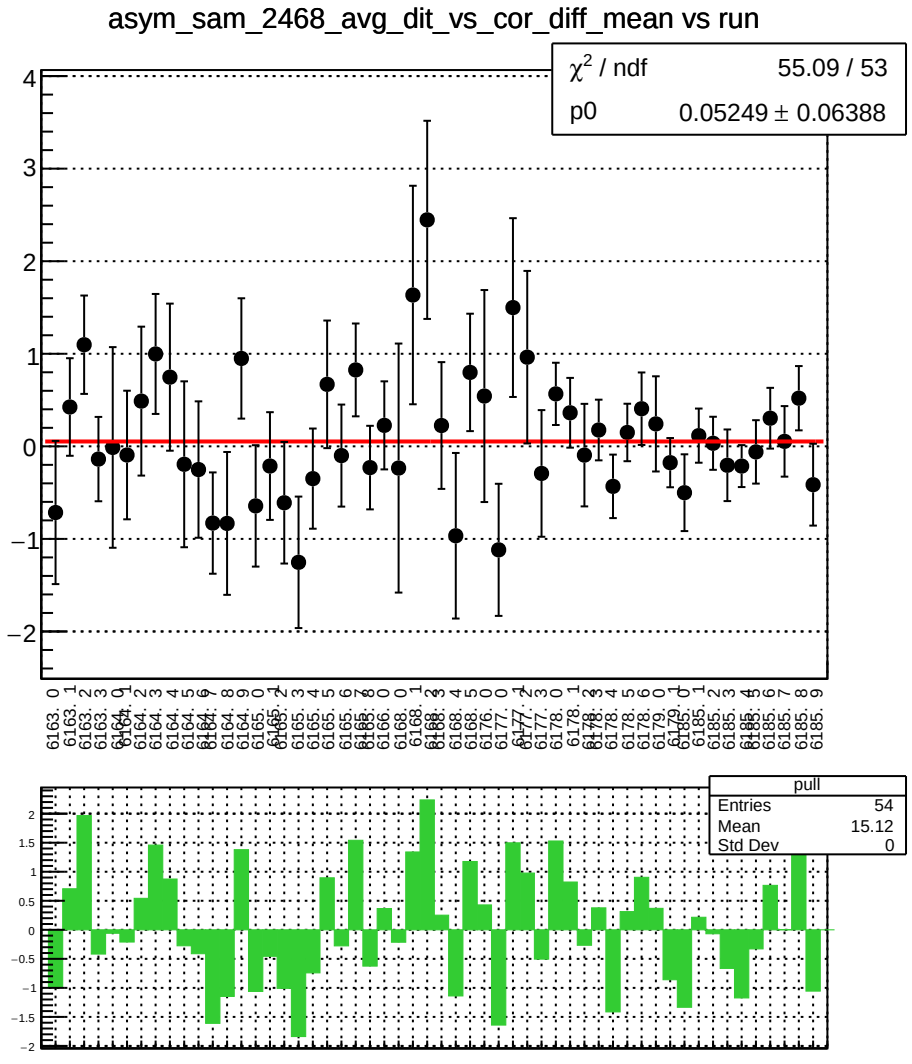

pull1D
Entries 54
Mean −0.03867
Std Dev 1.091
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

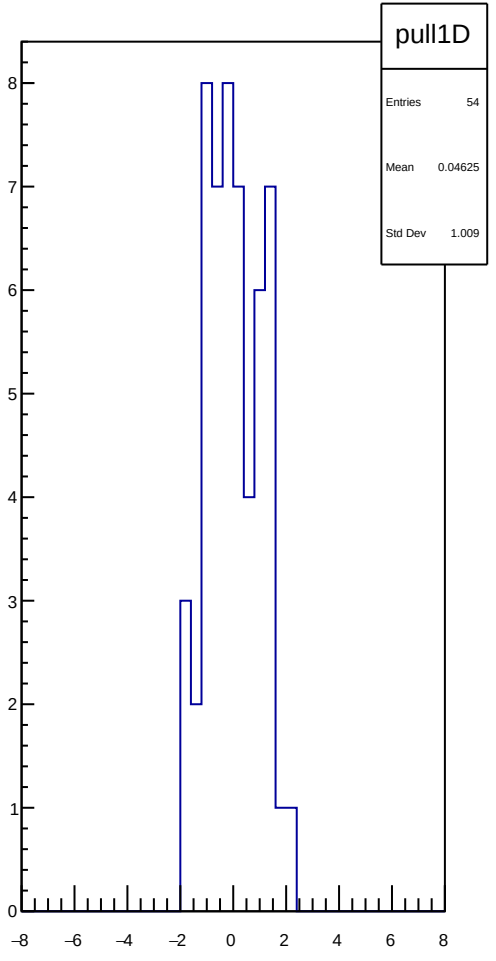

asym_sam_2468_avg_rms vs run
χ² / ndf 1.084e+05 / 53
p0 1767 ± 1.838
3500
3000
2500
2000
1500
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

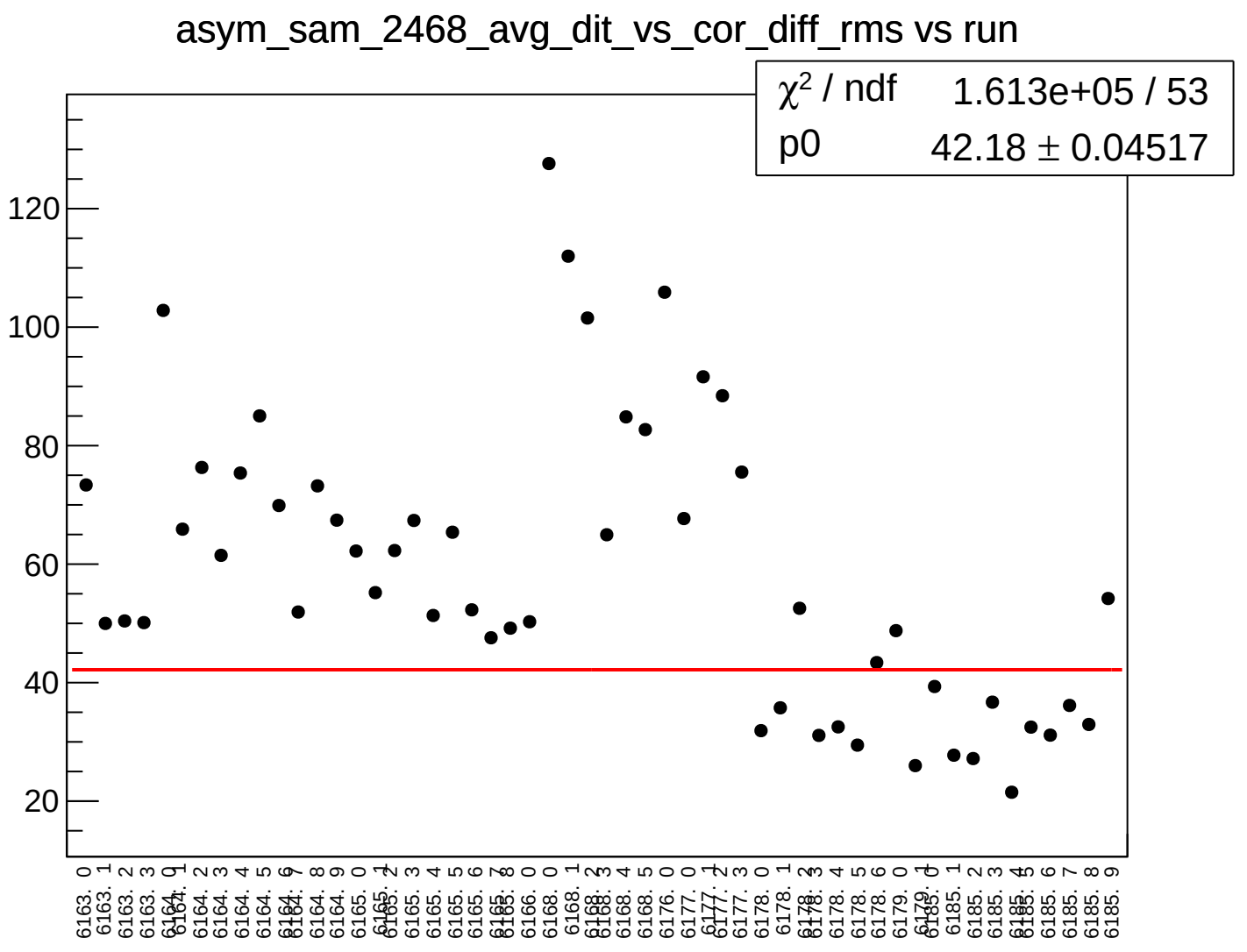

asym_sam_2468_avg_reg_vs_cor_diff_mean vs run
×10^−3
χ² / ndf 58.01 / 53
p0 −1.895e−13 ± 1.94e−13
pull
Entries 54
Mean 145
Std Dev 0

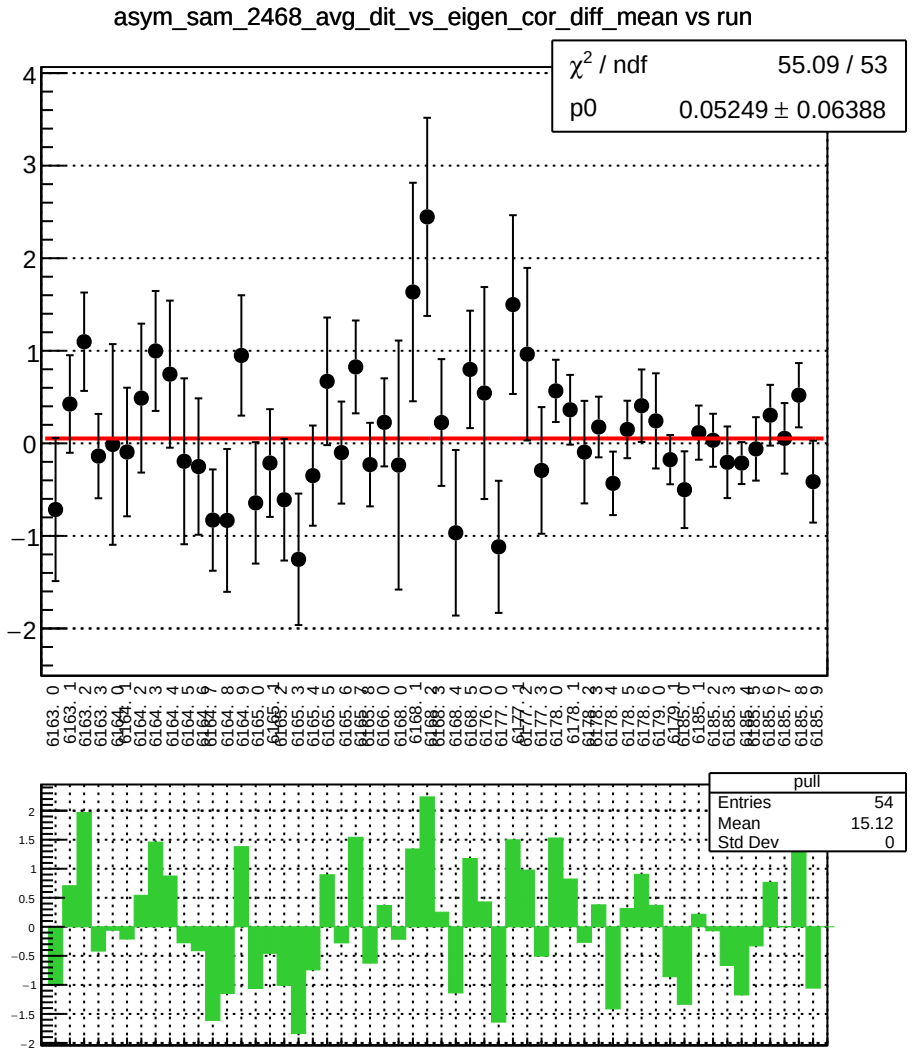

pull1D
Entries 54
Mean −0.02505
Std Dev 1.036

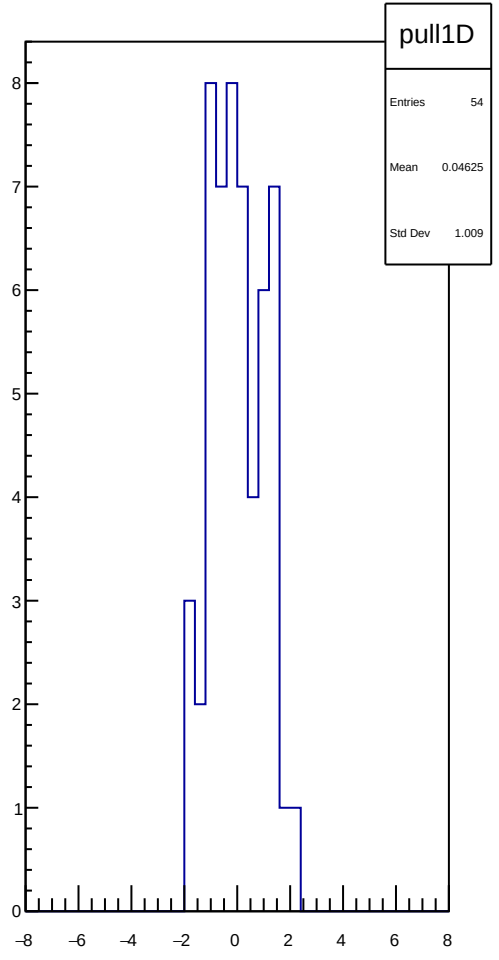

asym_sam_2468_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.288e+05 / 53
p0 8.719e−11 ± 1.372e−13
0.025
0.02
0.015
0.01
0.005
0
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 2
6165. 3
6165. 4
6165. 5
6165. 6
6165. 7
6166. 0
6168. 0
6168. 1
6168. 3
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

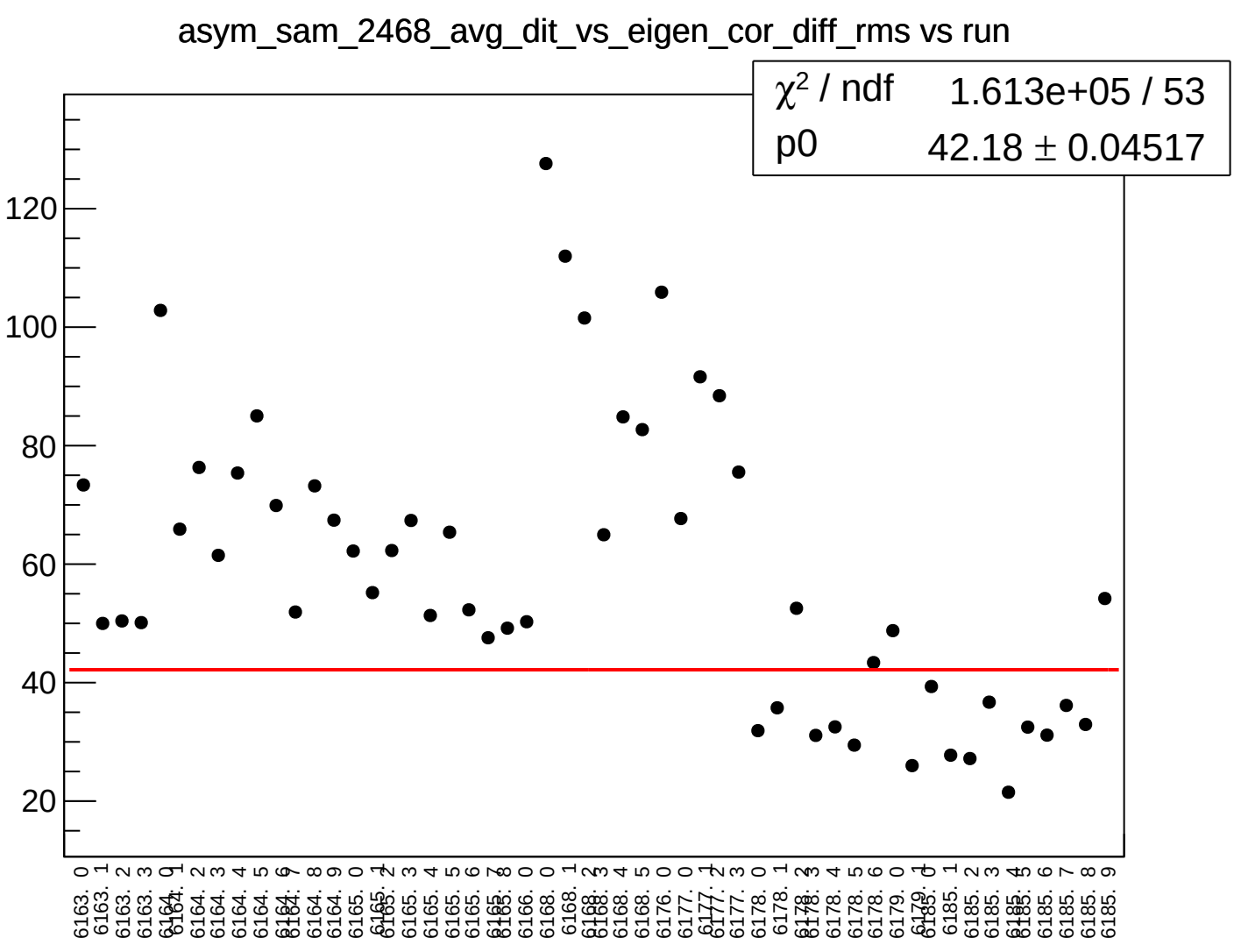

asym_sam_2468_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 55.09 / 53
p0 0.05249 ± 0.06388
pull
Entries 54
Mean 15.12
Std Dev 0

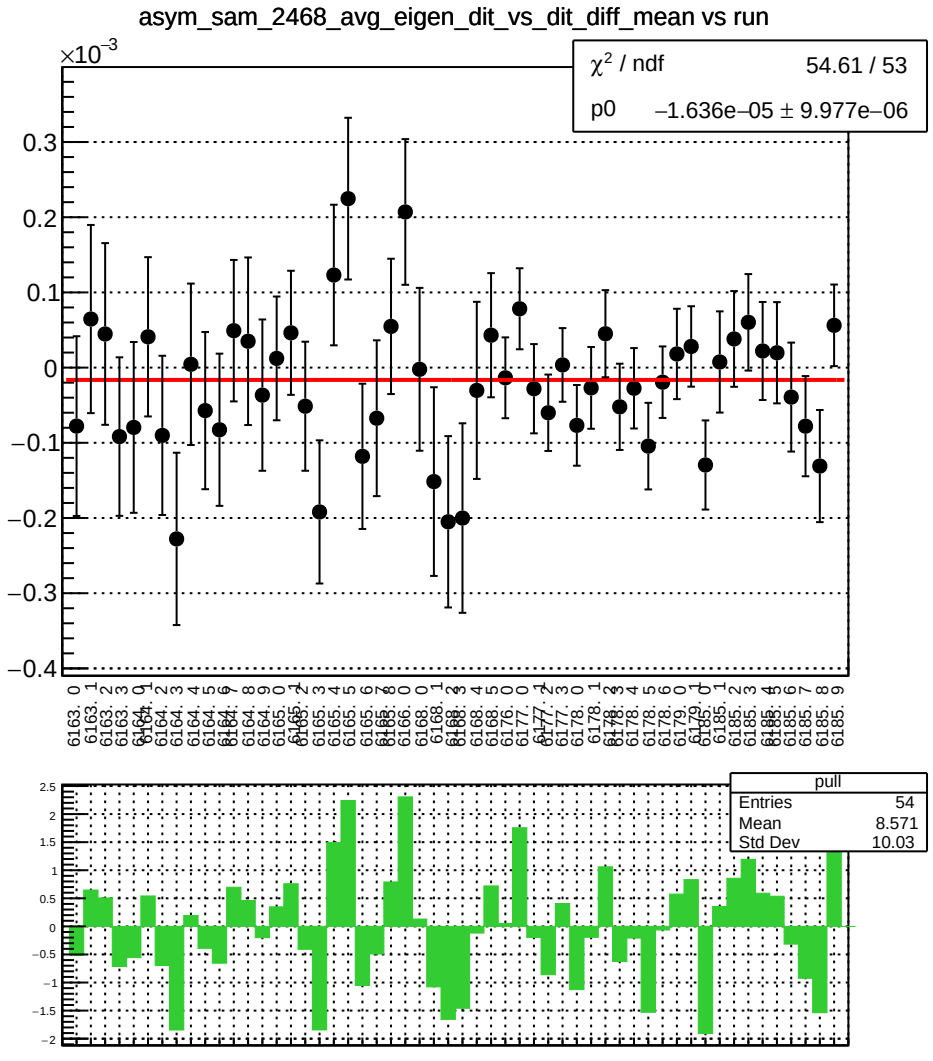

pull1D
Entries 54
Mean 0.04625
Std Dev 1.009

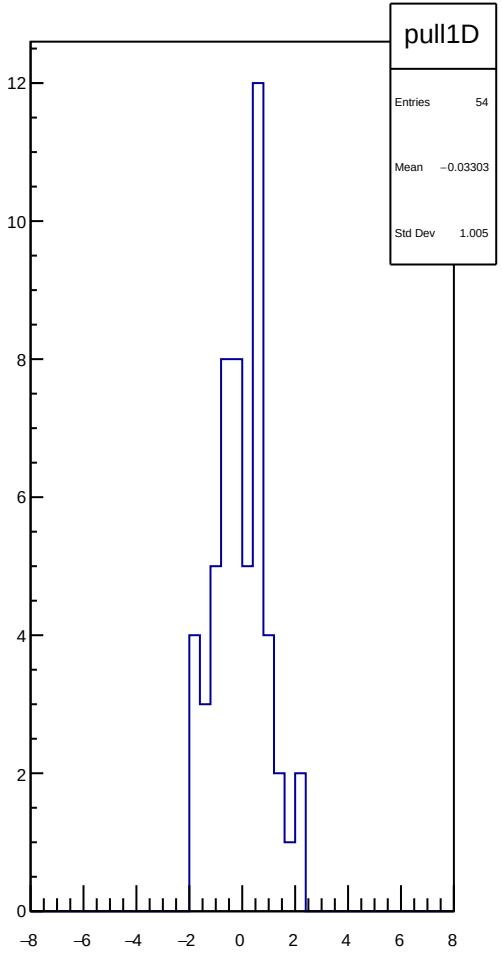

asym_sam_2468_avg_dit_vs_cor_diff_rms vs run
χ^2 / ndf 1.613e+05 / 53
p0 42.18 ± 0.04517
120
100
80
60
40
20
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

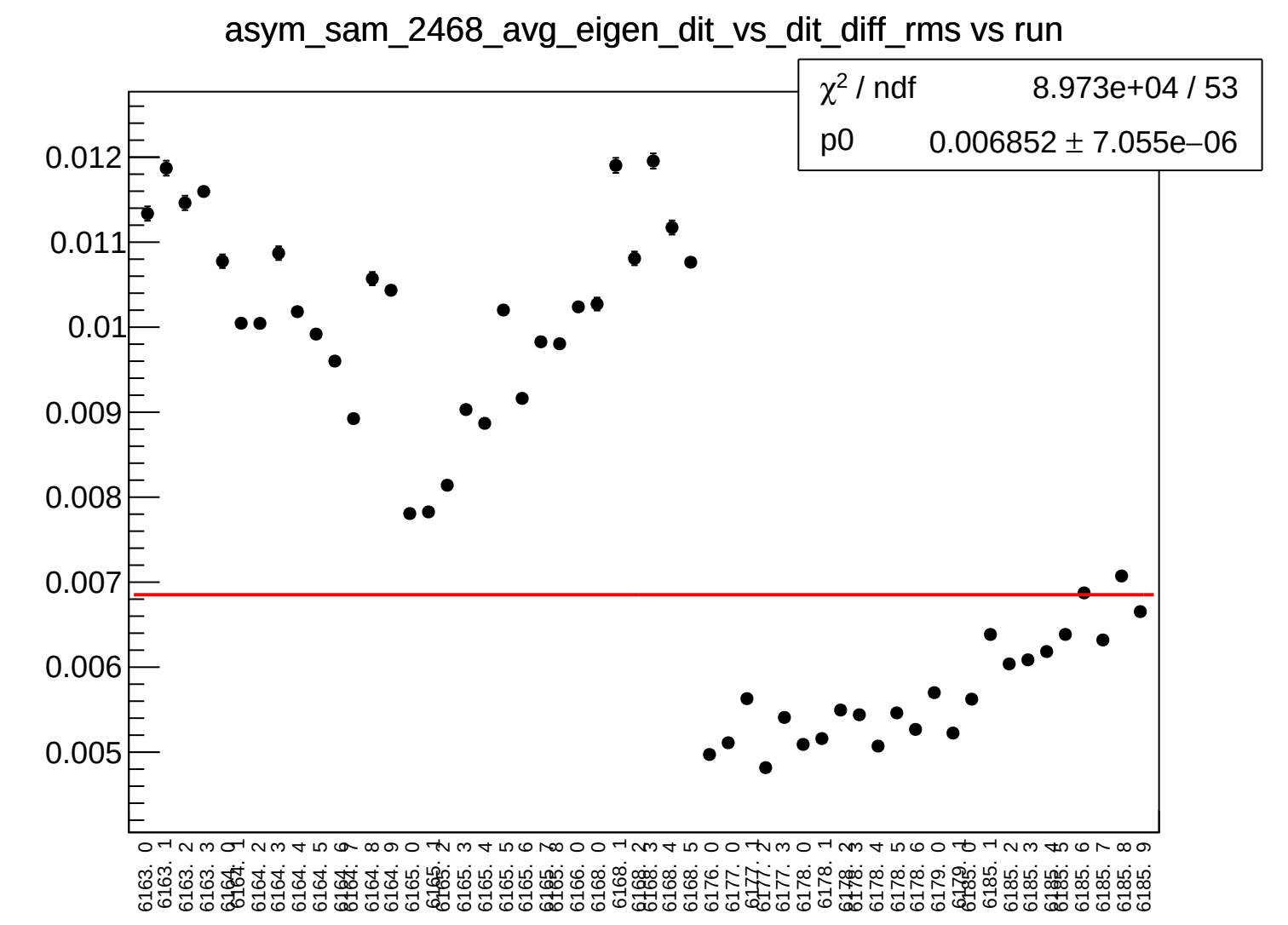

asym_sam_2468_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 55.09 / 53
p0 0.05249 ± 0.06388
pull
Entries 54
Mean 15.12
Std Dev 0

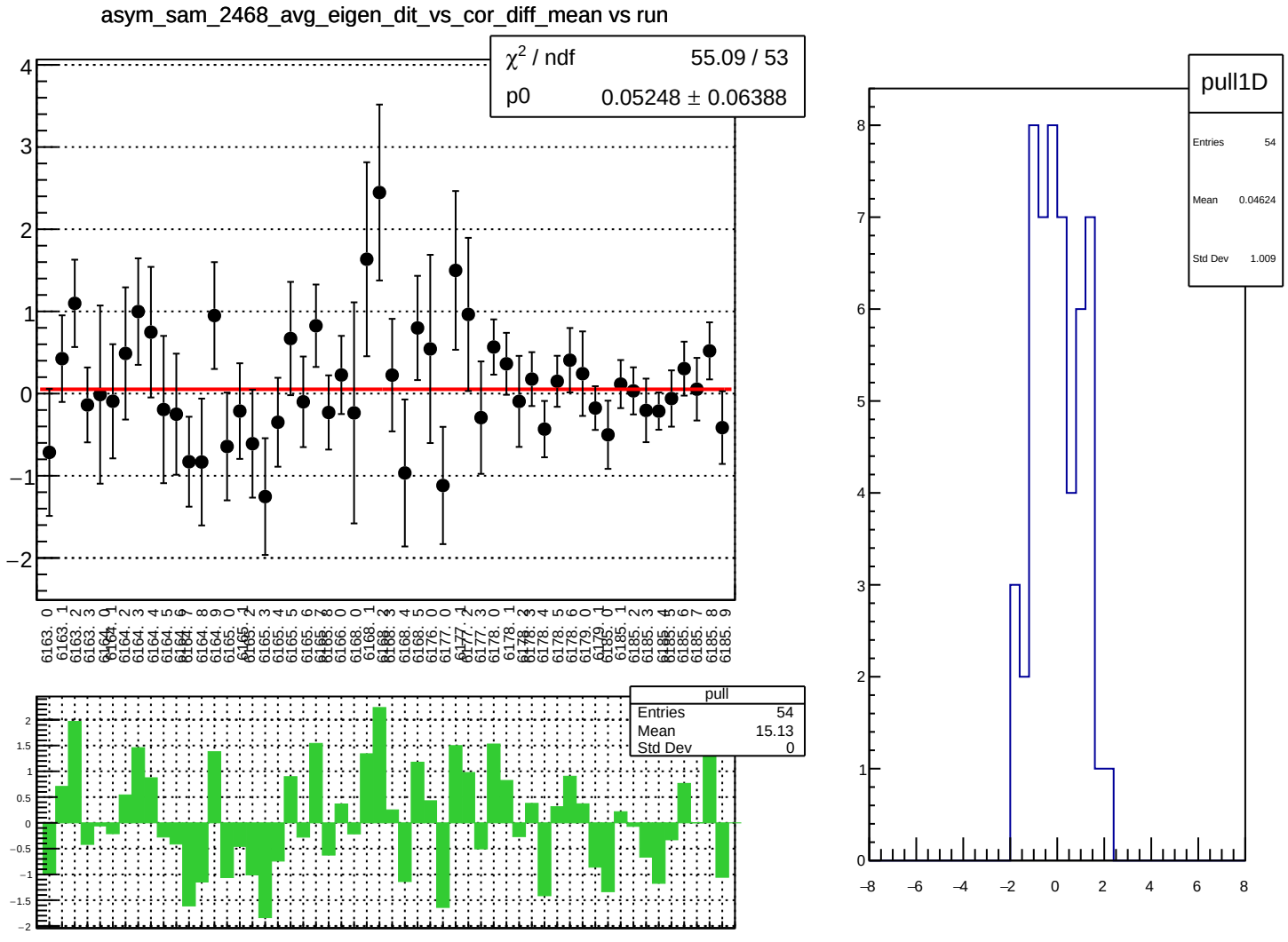

pull1D
Entries 54
Mean 0.04625
Std Dev 1.009

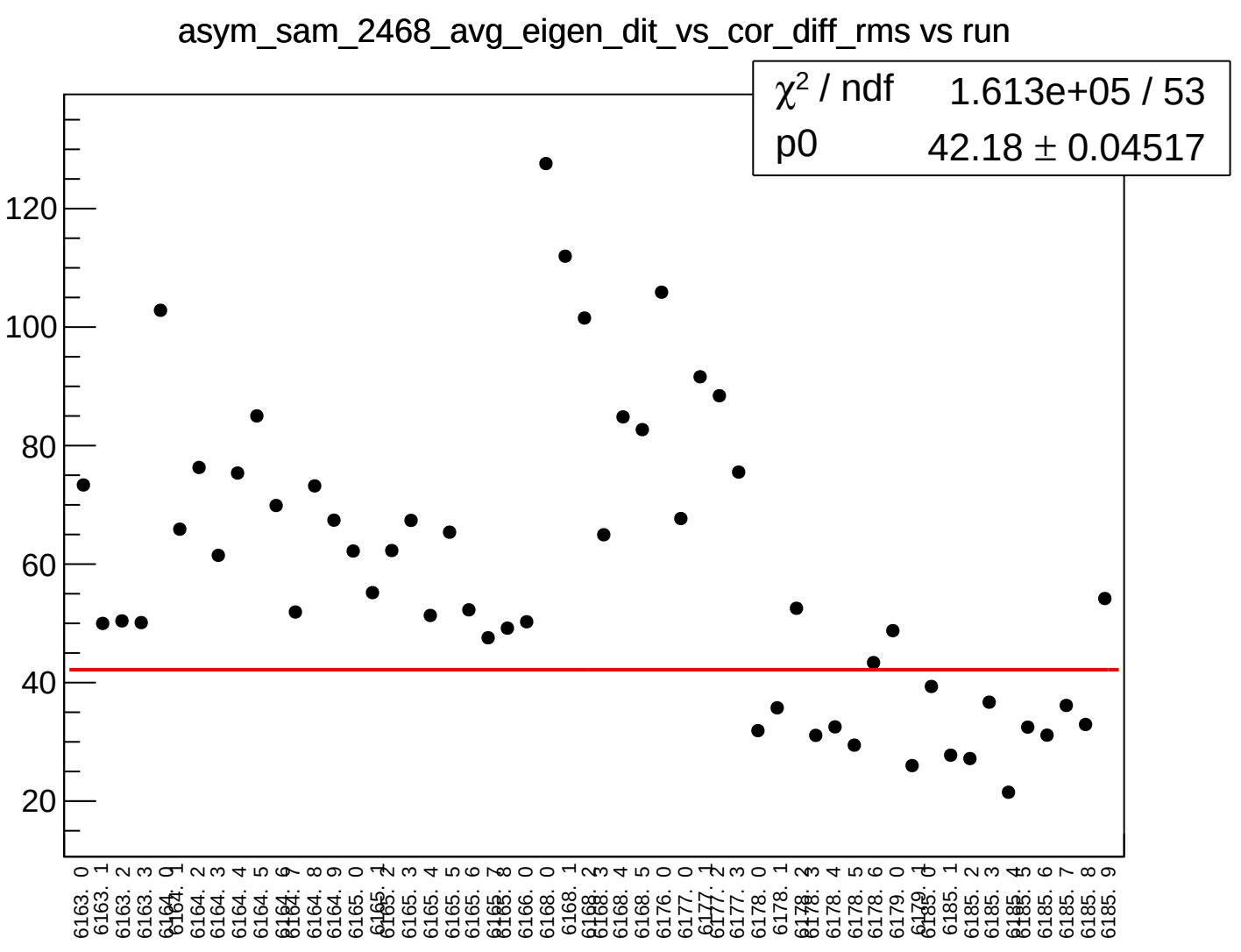

asym_sam_2468_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.613e+05 / 53
p0 42.18 ± 0.04517
120
100
80
60
40
20
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

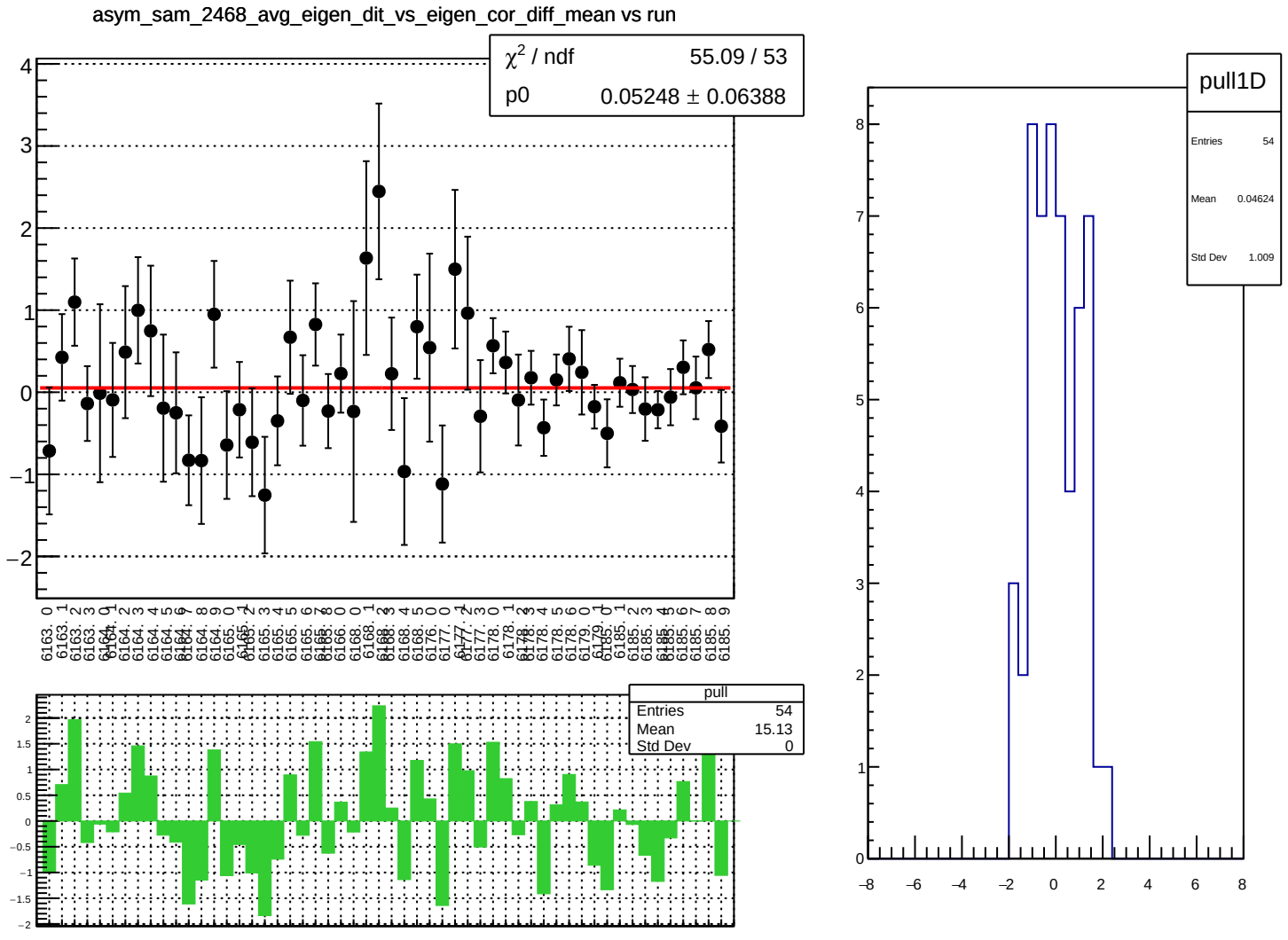

asym_sam_2468_avg_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 54.61 / 53
p0 −1.636e−05 ± 9.977e−06
pull
Entries 54
Mean 8.571
Std Dev 10.03

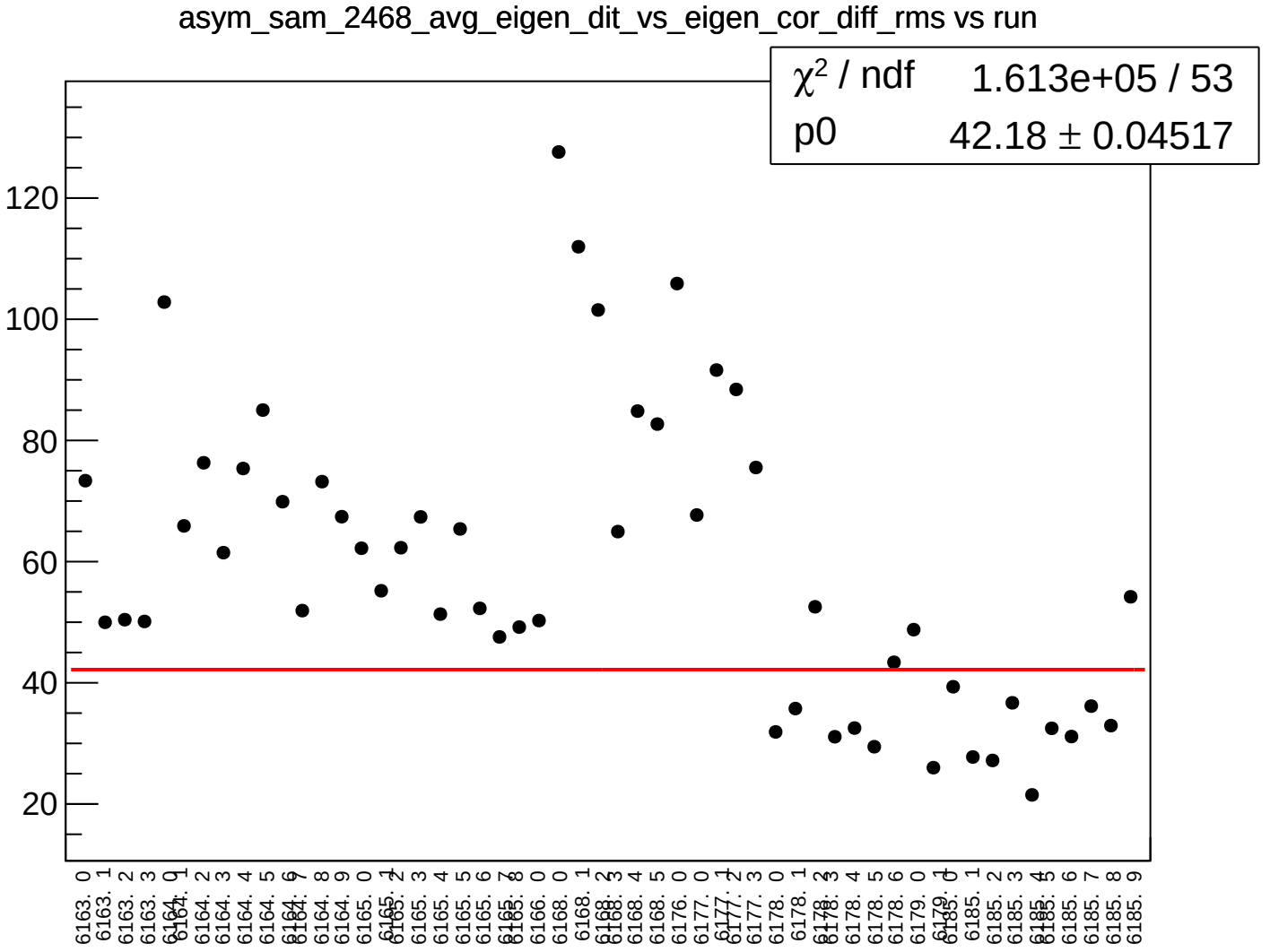

pull1D
Entries 54
Mean −0.03303
Std Dev 1.005

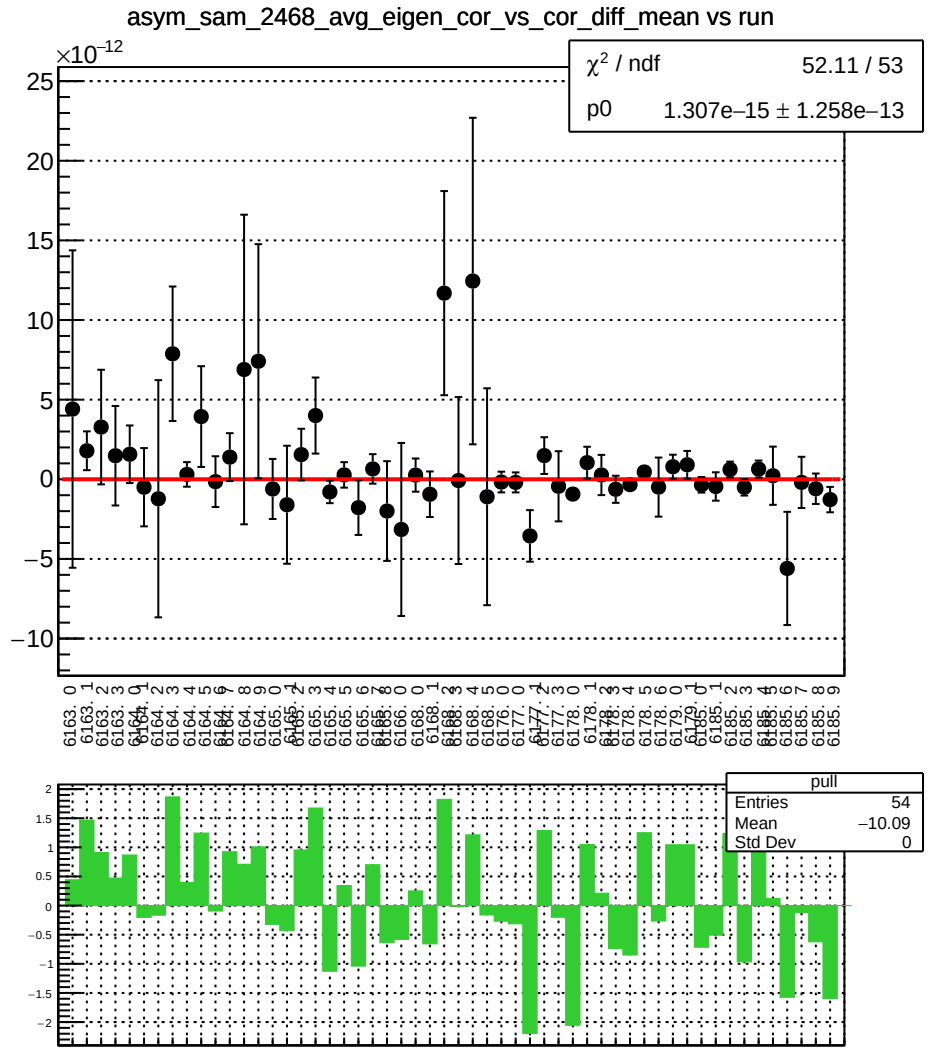

asym_sam_2468_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 8.973e+04 / 53
p0 0.006852 ± 7.055e−06
0.012
0.011
0.01
0.009
0.008
0.007
0.006
0.005
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

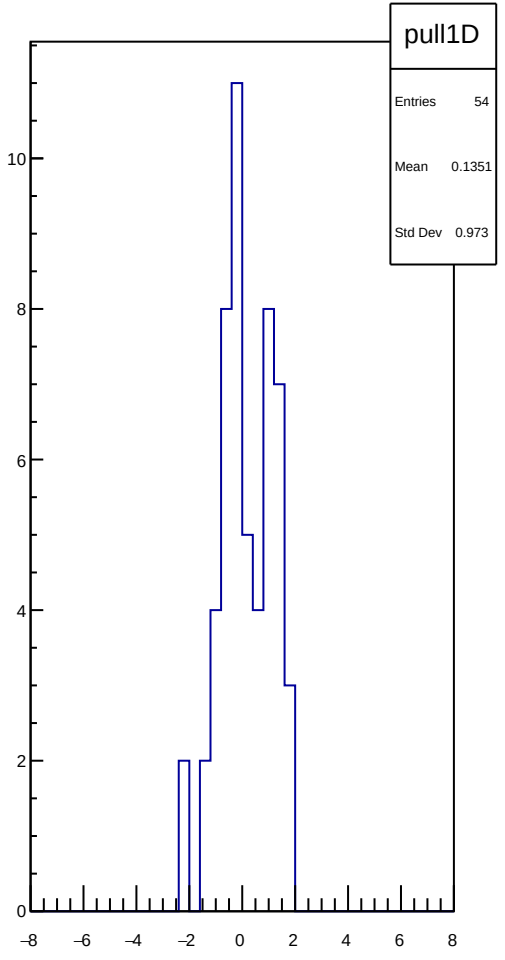

asym_sam_2468_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 55.09 / 53
p0 0.05248 ± 0.06388
pull
Entries 54
Mean 15.13
Std Dev 0
pull1D
Entries 54
Mean 0.04624
Std Dev 1.009

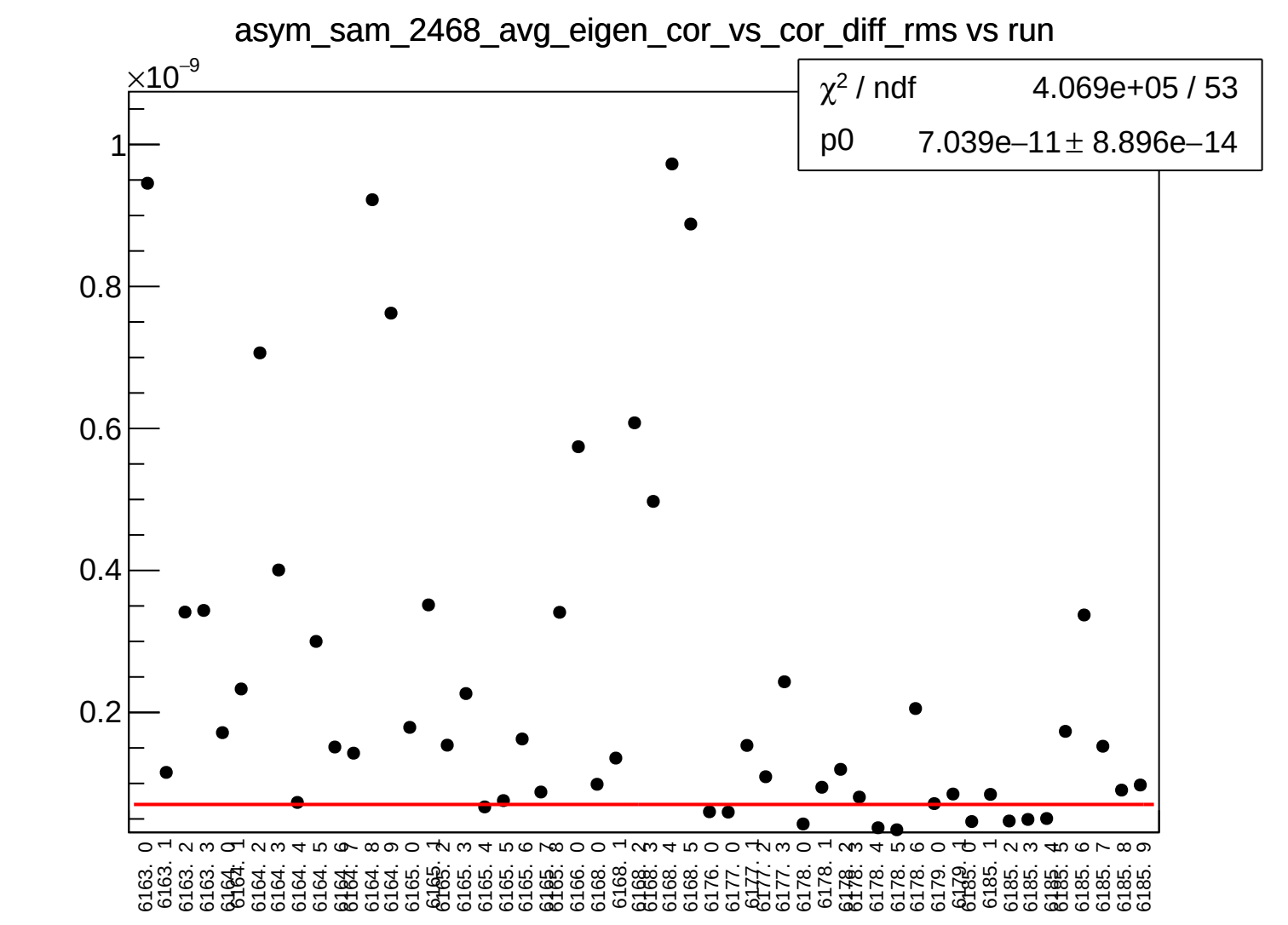

asym_sam_2468_avg_eigen_dit_vs_cor_diff_rms vs run
χ^2 / ndf 1.613e+05 / 53
p0 42.18 ± 0.04517
120
100
80
60
40
20
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

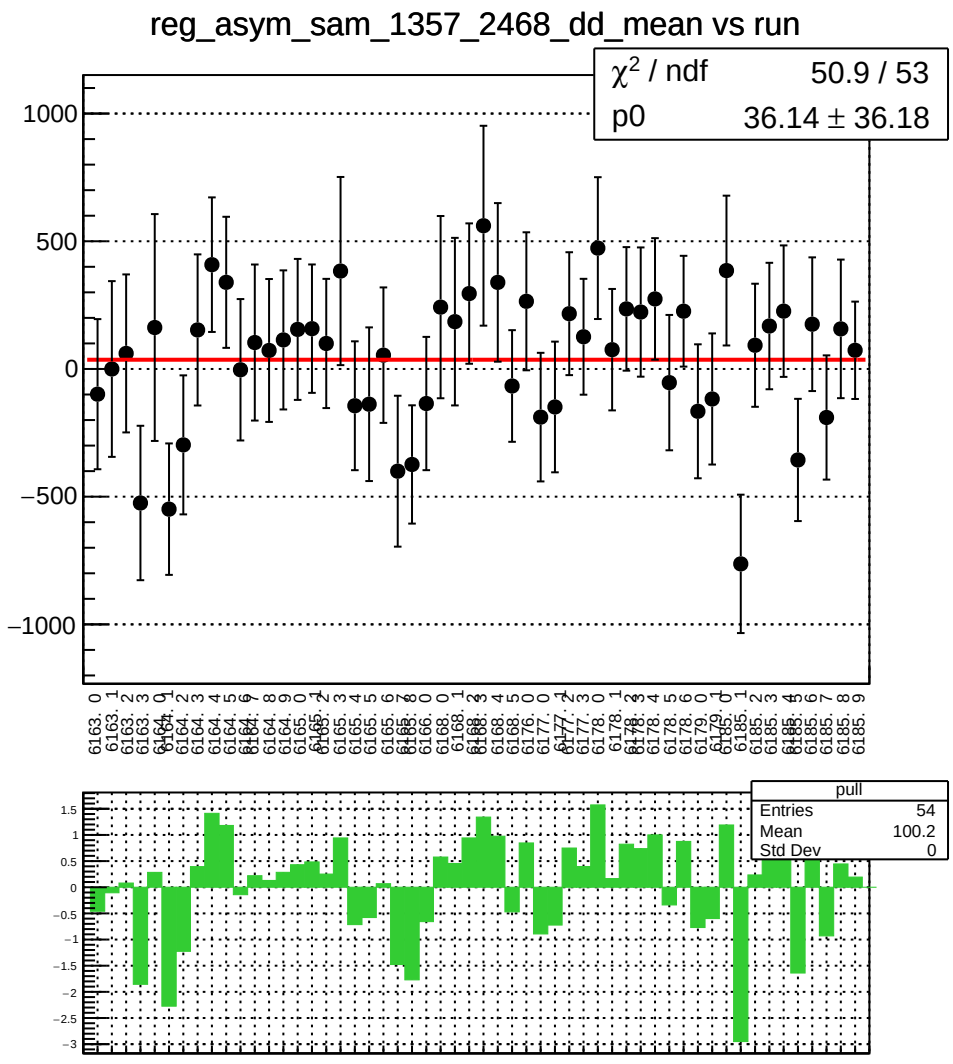

asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 55.09 / 53
p0 0.05248 ± 0.06388
pull
Entries 54
Mean 15.13
Std Dev 0
pull1D
Entries 54
Mean 0.04624
Std Dev 1.009

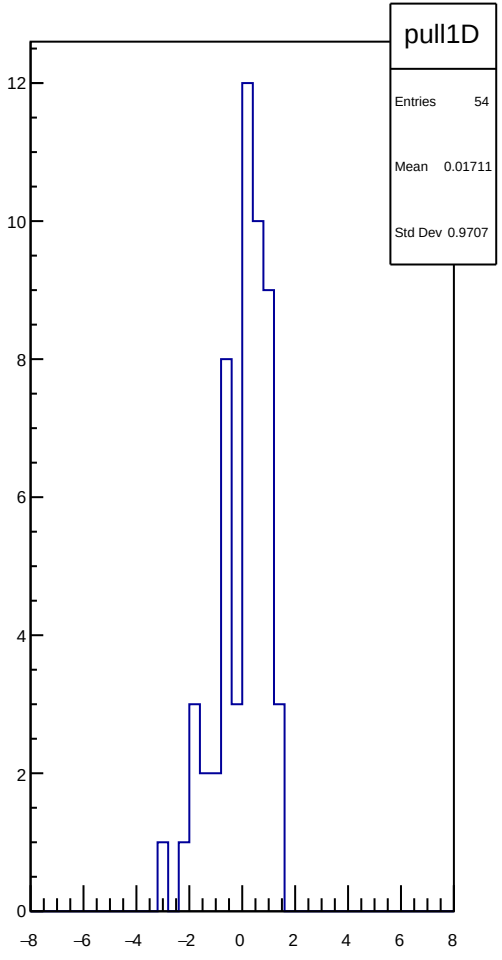

asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.613e+05 / 53
p0 42.18 ± 0.04517
120
100
80
60
40
20
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 3
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

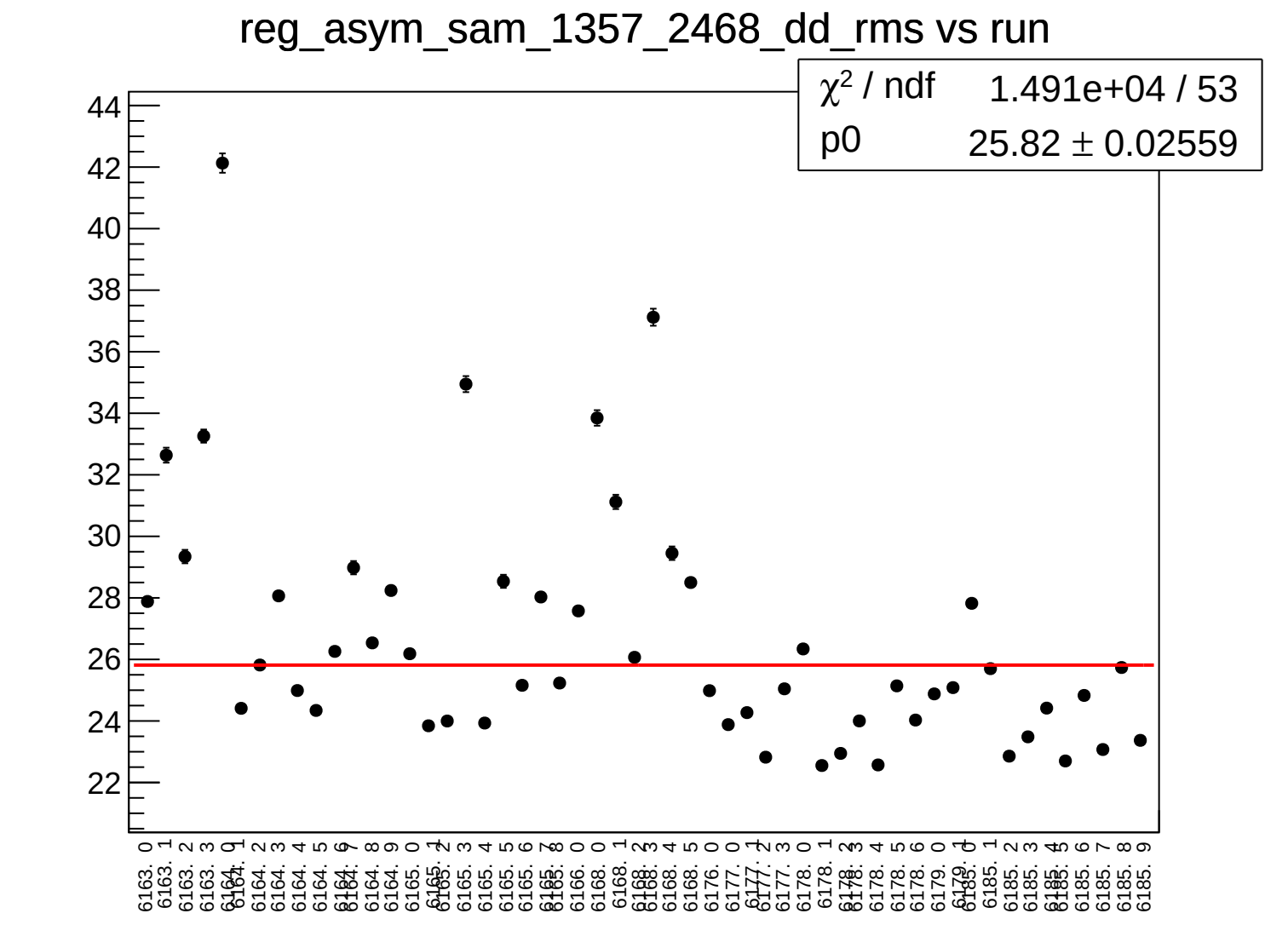

asym_sam_2468_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 52.11 / 53
p0 1.307e−15 ± 1.258e−13
pull
Entries 54
Mean −10.09
Std Dev 0

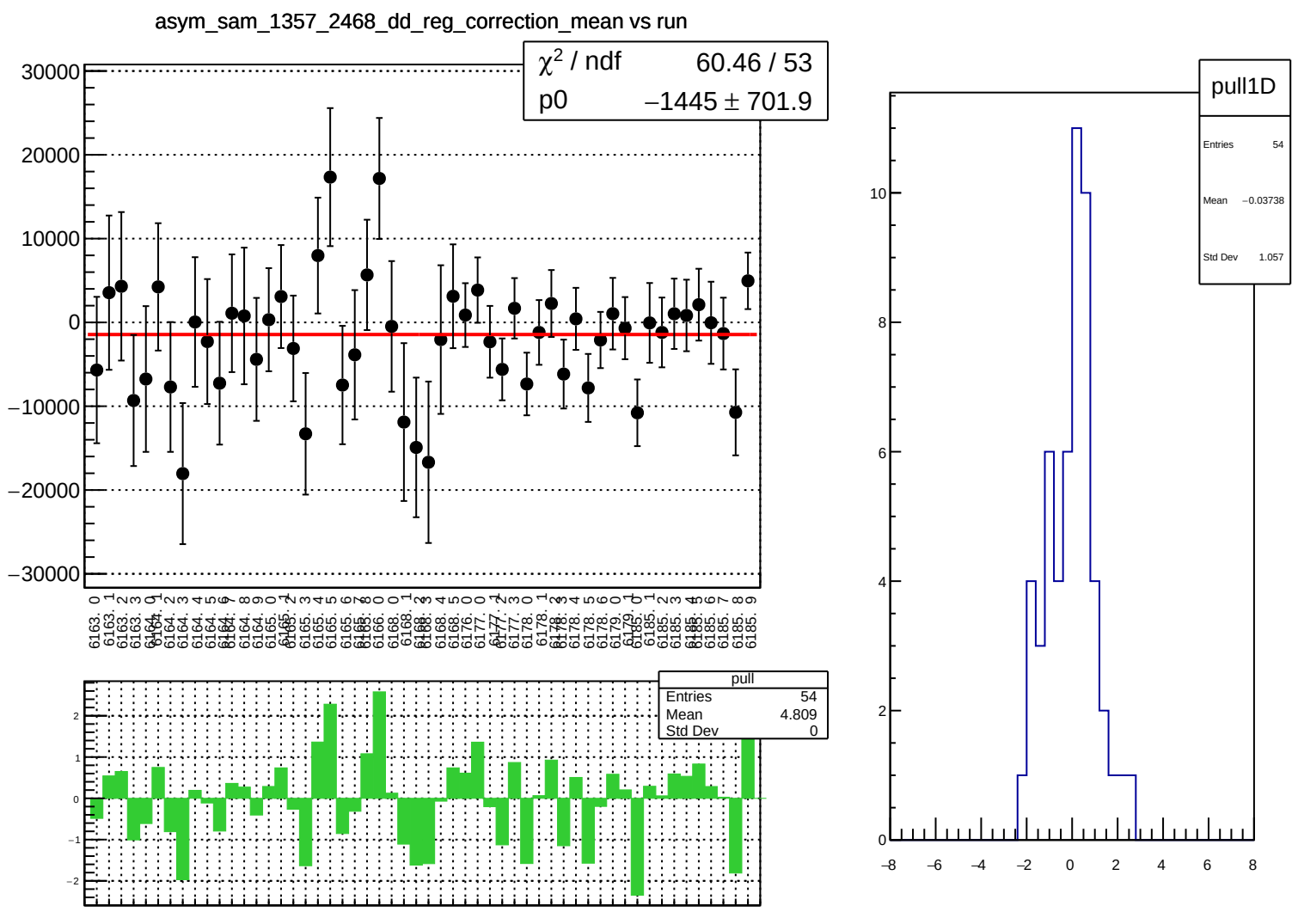

pull1D
Entries 54
Mean 0.1351
Std Dev 0.973

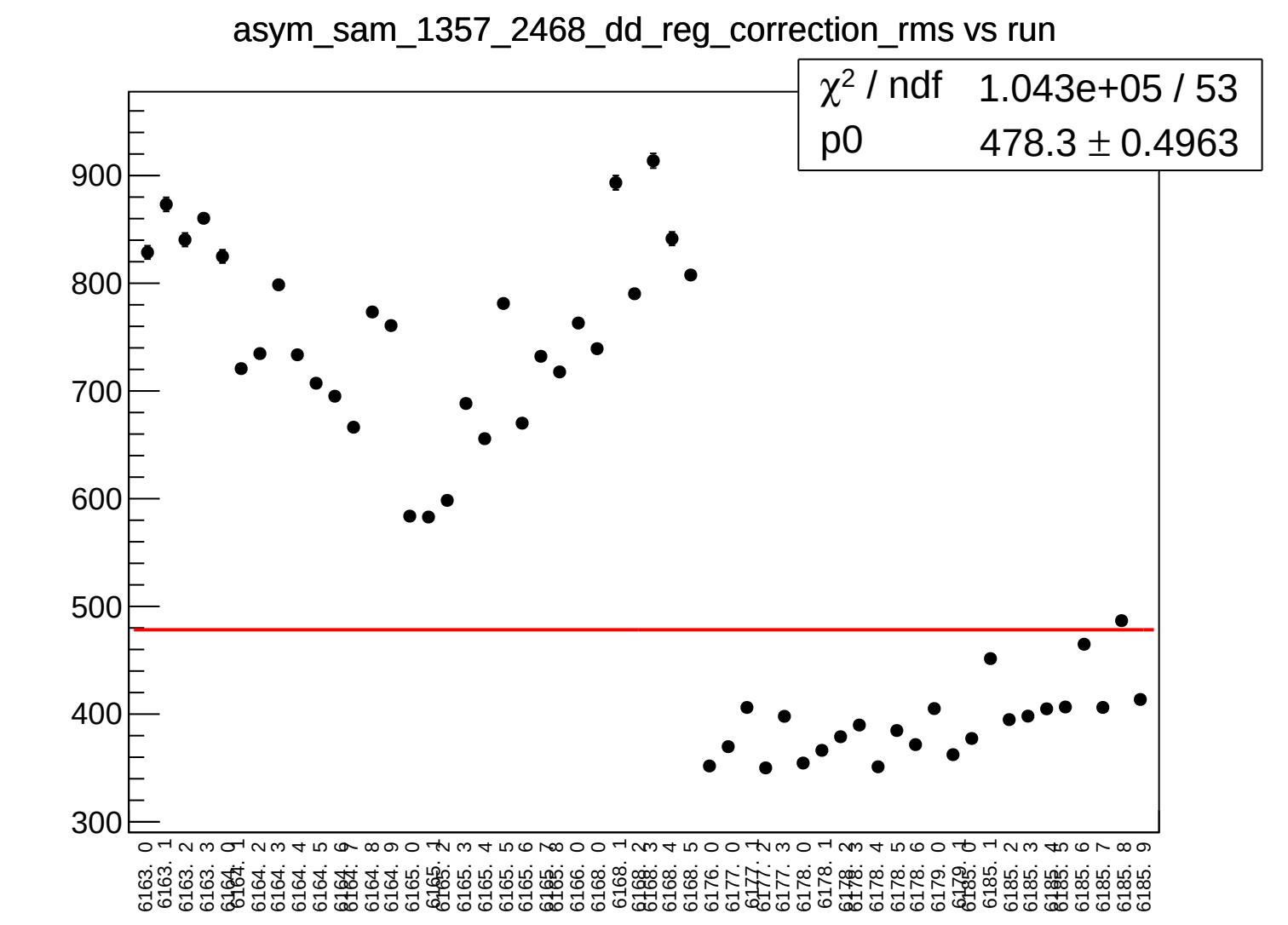

asym_sam_2468_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.069e+05 / 53
p0 7.039e−11 ± 8.896e−14
1
0.8
0.6
0.4
0.2
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

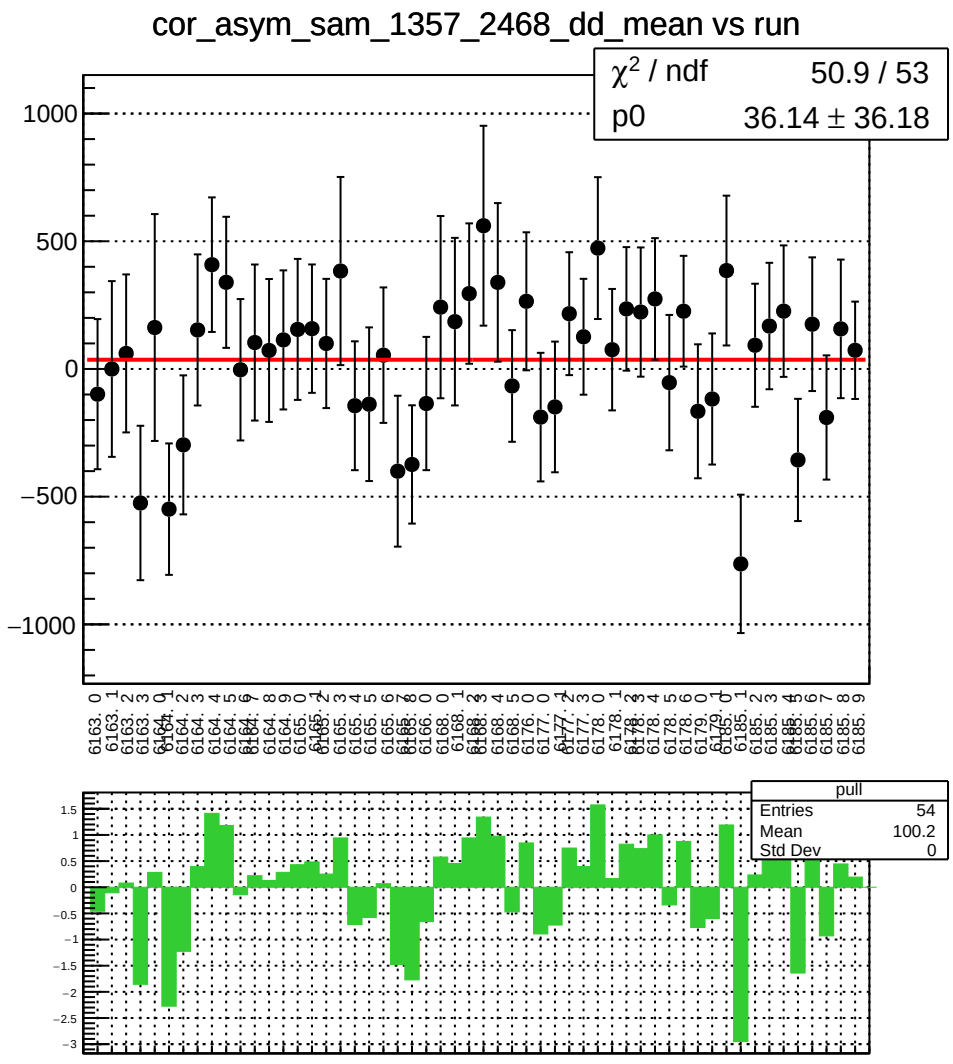

reg_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 50.9 / 53
p0 36.14 ± 36.18
pull
Entries 54
Mean 100.2
Std Dev 0

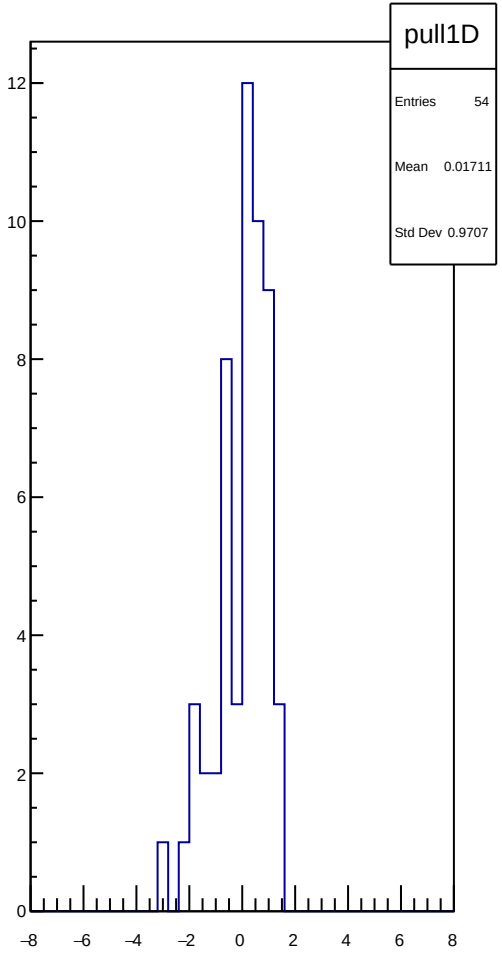

pull1D
Entries 54
Mean 0.01711
Std Dev 0.9707

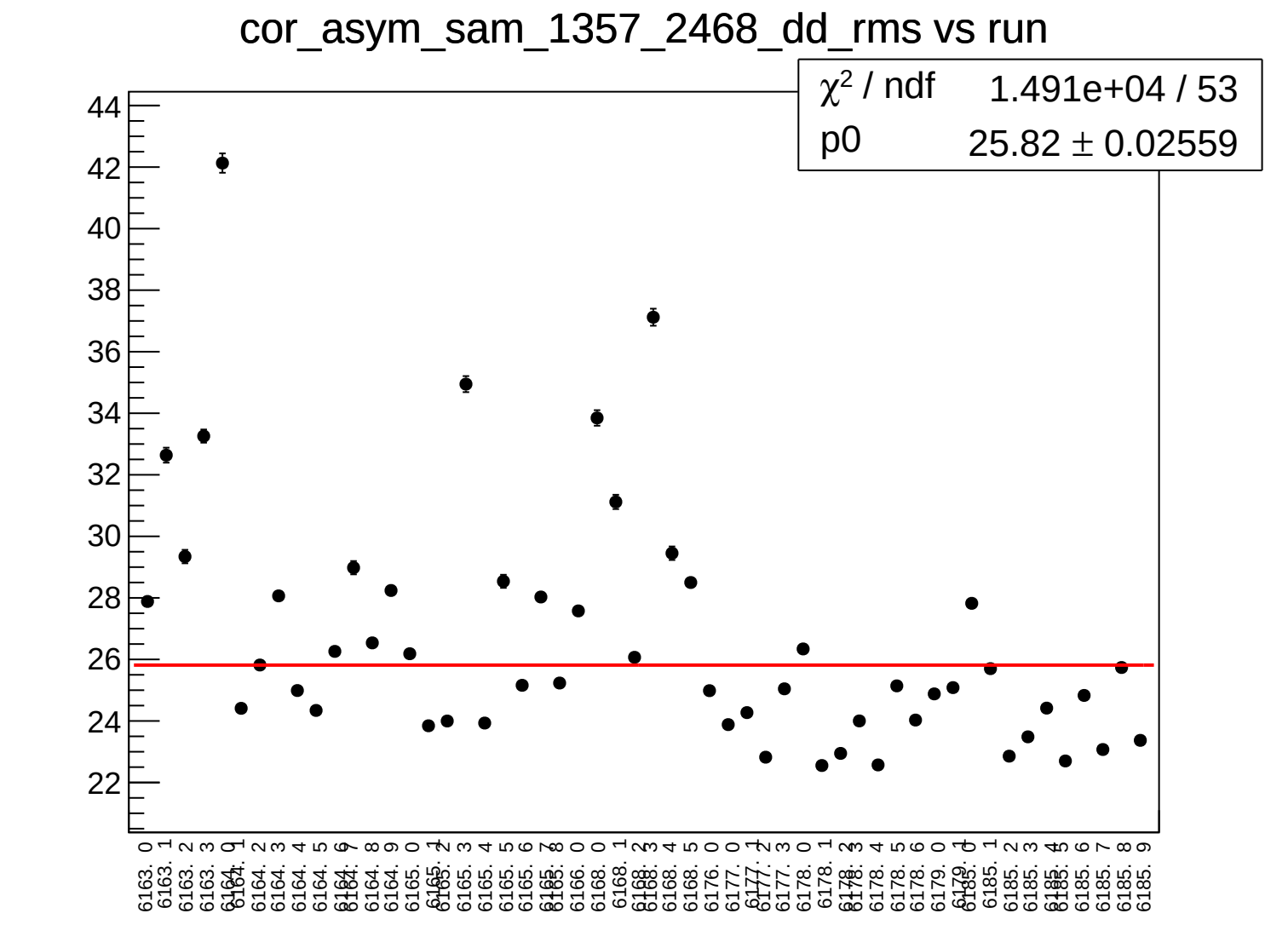

reg_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 1.491e+04 / 53
p0 25.82 ± 0.02559
44
42
40
38
36
34
32
30
28
26
24
22
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 3
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

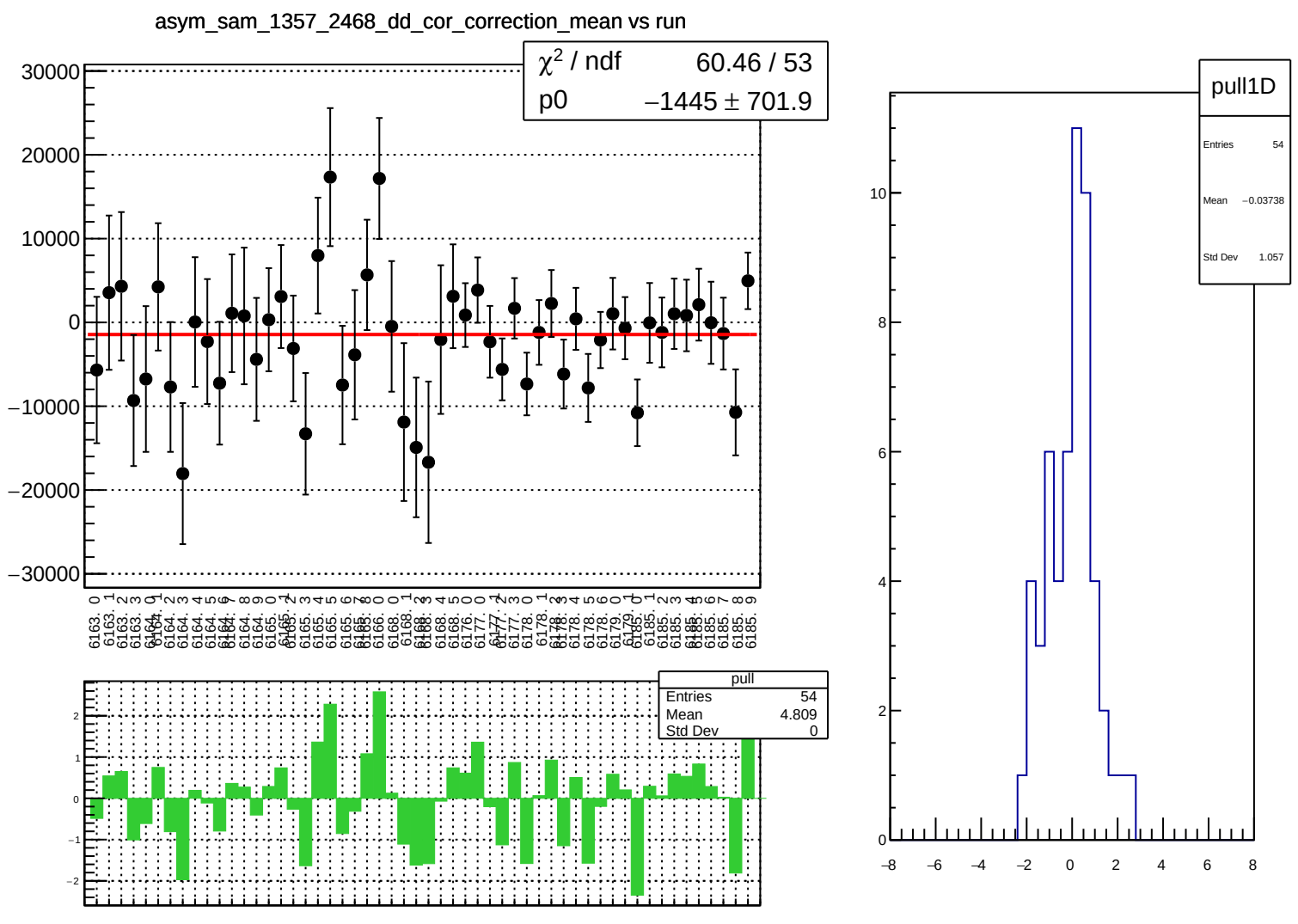

asym_sam_1357_2468_dd_reg_correction_mean vs run
χ² / ndf 60.46 / 53
p0 −1445 ± 701.9
pull
Entries 54
Mean 4.809
Std Dev 0
pull1D
Entries 54
Mean −0.03738
Std Dev 1.057

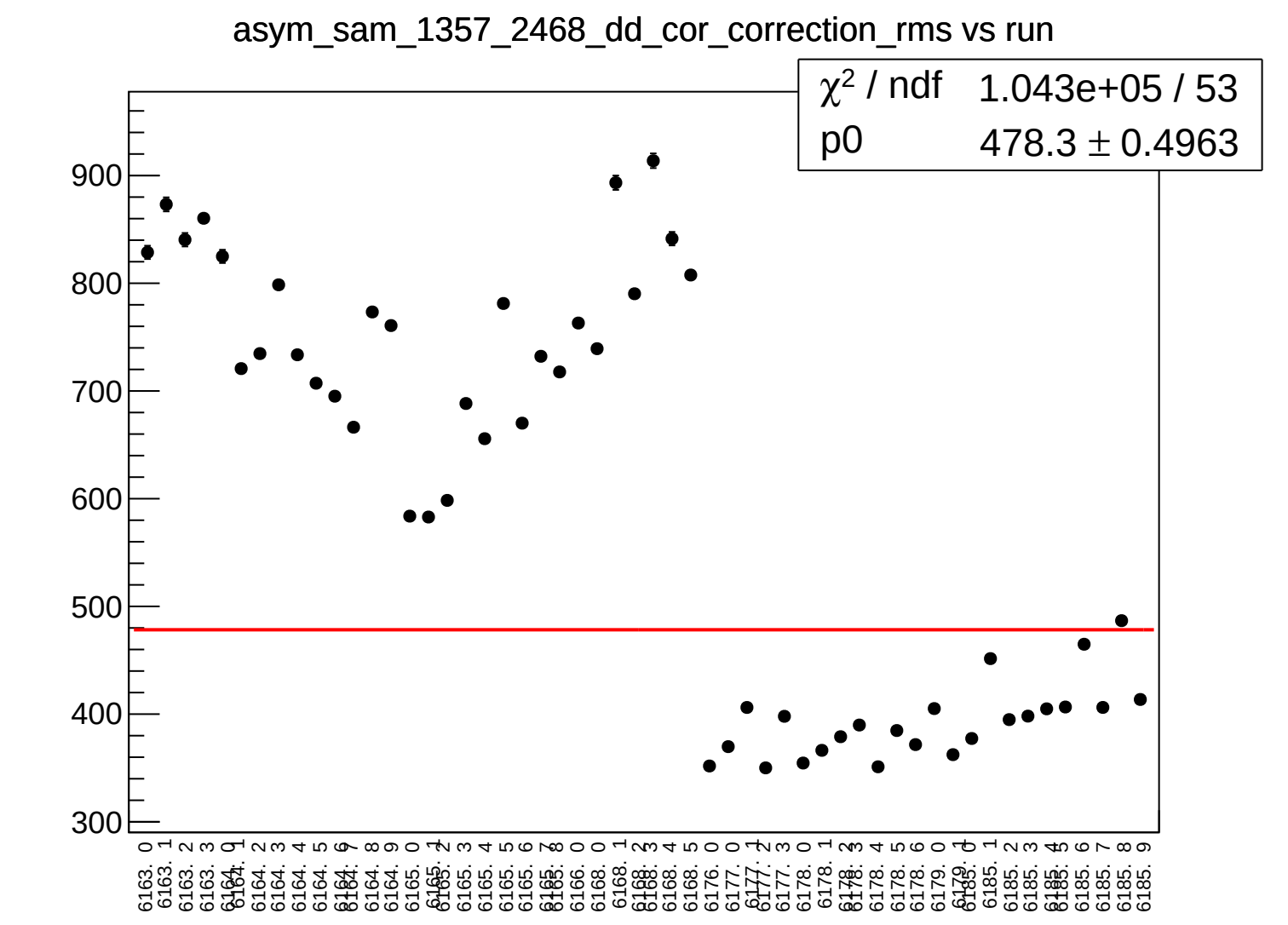

asym_sam_1357_2468_dd_reg_correction_rms vs run
χ² / ndf 1.043e+05 / 53
p0 478.3 ± 0.4963
900
800
700
600
500
400
300
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

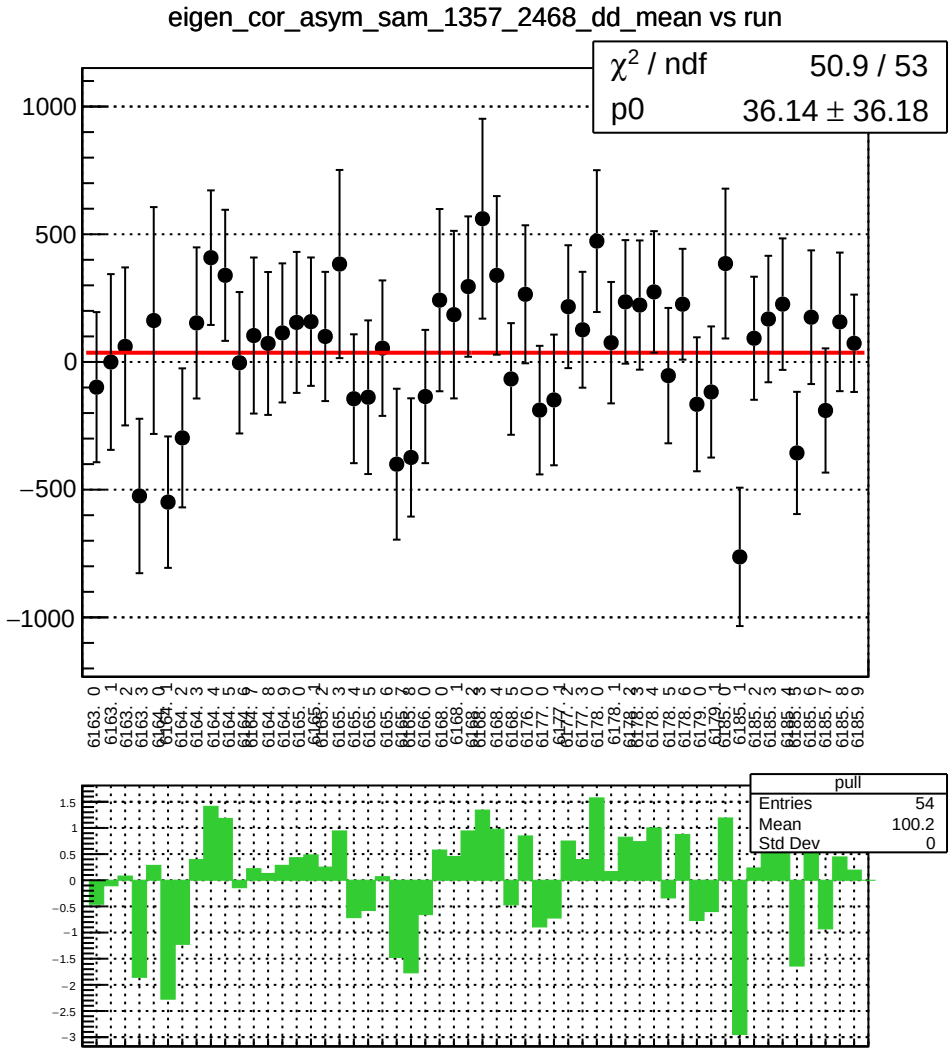

cor_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 50.9 / 53
p0 36.14 ± 36.18
pull
Entries 54
Mean 100.2
Std Dev 0

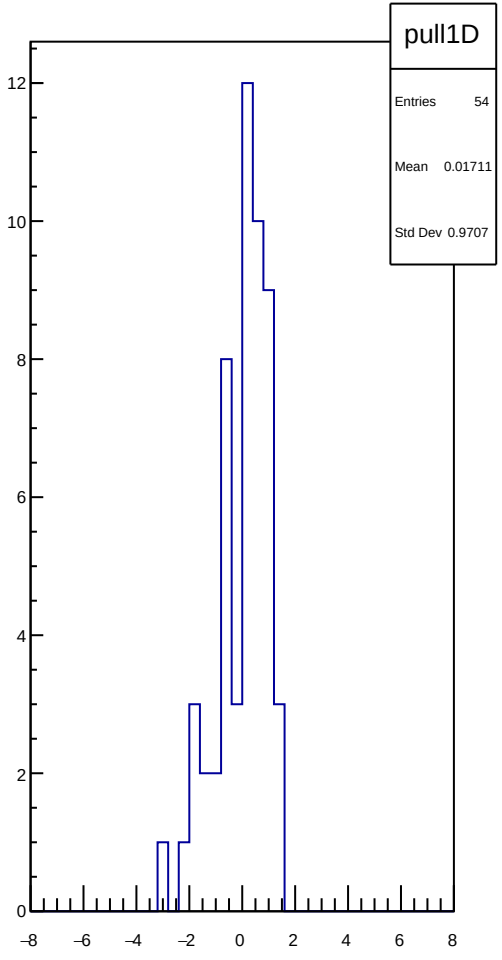

pull1D
Entries 54
Mean 0.01711
Std Dev 0.9707

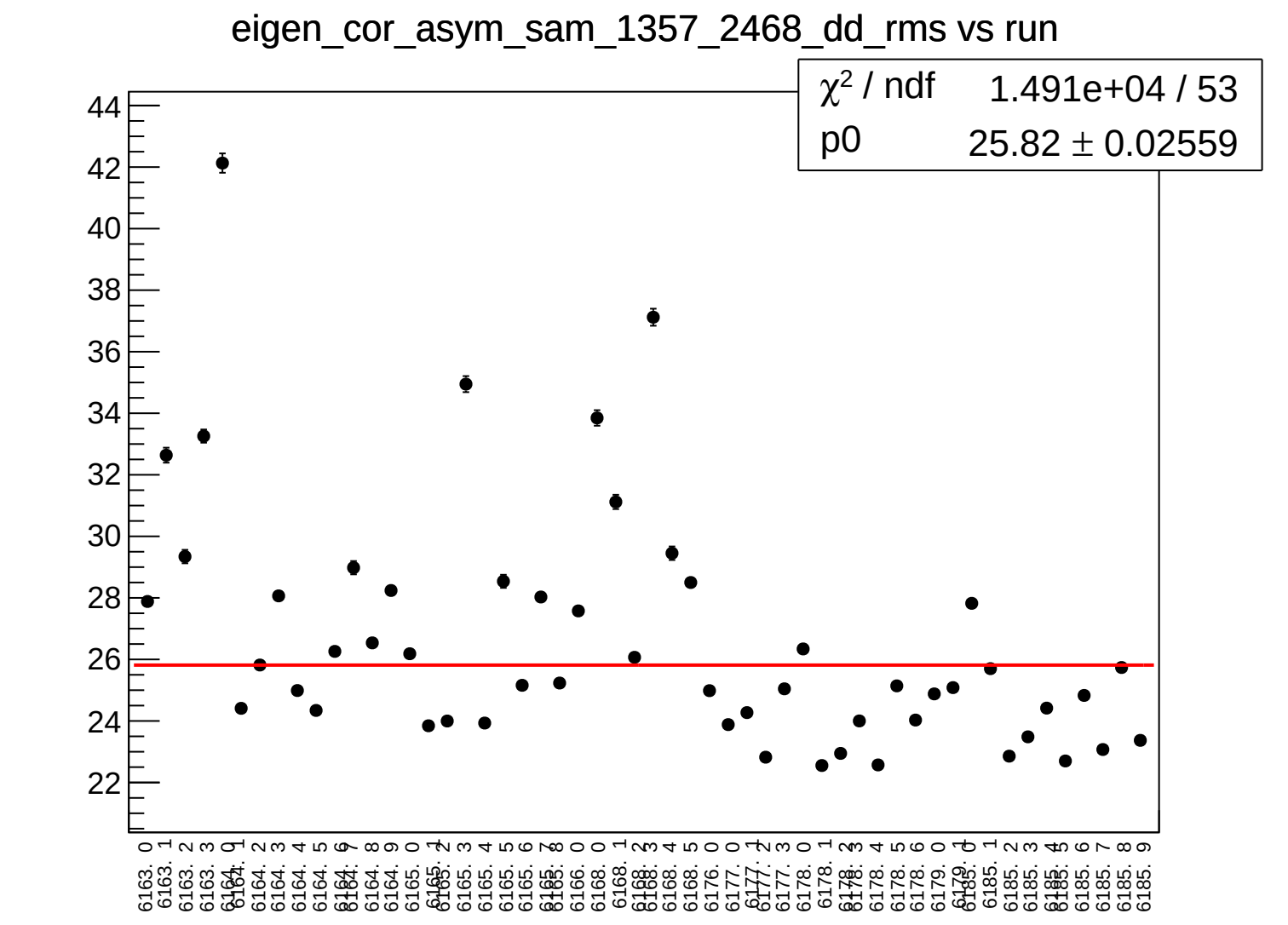

cor_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 1.491e+04 / 53
p0 25.82 ± 0.02559
44
42
40
38
36
34
32
30
28
26
24
22
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


asym_sam_1357_2468_dd_cor_correction_mean vs run
χ² / ndf 60.46 / 53
p0 −1445 ± 701.9
pull
Entries 54
Mean 4.809
Std Dev 0
pull1D
Entries 54
Mean −0.03738
Std Dev 1.057


asym_sam_1357_2468_dd_cor_correction_rms vs run
χ² / ndf 1.043e+05 / 53
p0 478.3 ± 0.4963
900
800
700
600
500
400
300
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


eigen_cor_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 50.9 / 53
p0 36.14 ± 36.18
pull
Entries 54
Mean 100.2
Std Dev 0


pull1D
Entries 54
Mean 0.01711
Std Dev 0.9707


eigen_cor_asym_sam_1357_2468_dd_rms vs run
χ^2 / ndf 1.491e+04 / 53
p0 25.82 ± 0.02559
44
42
40
38
36
34
32
30
28
26
24
22
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
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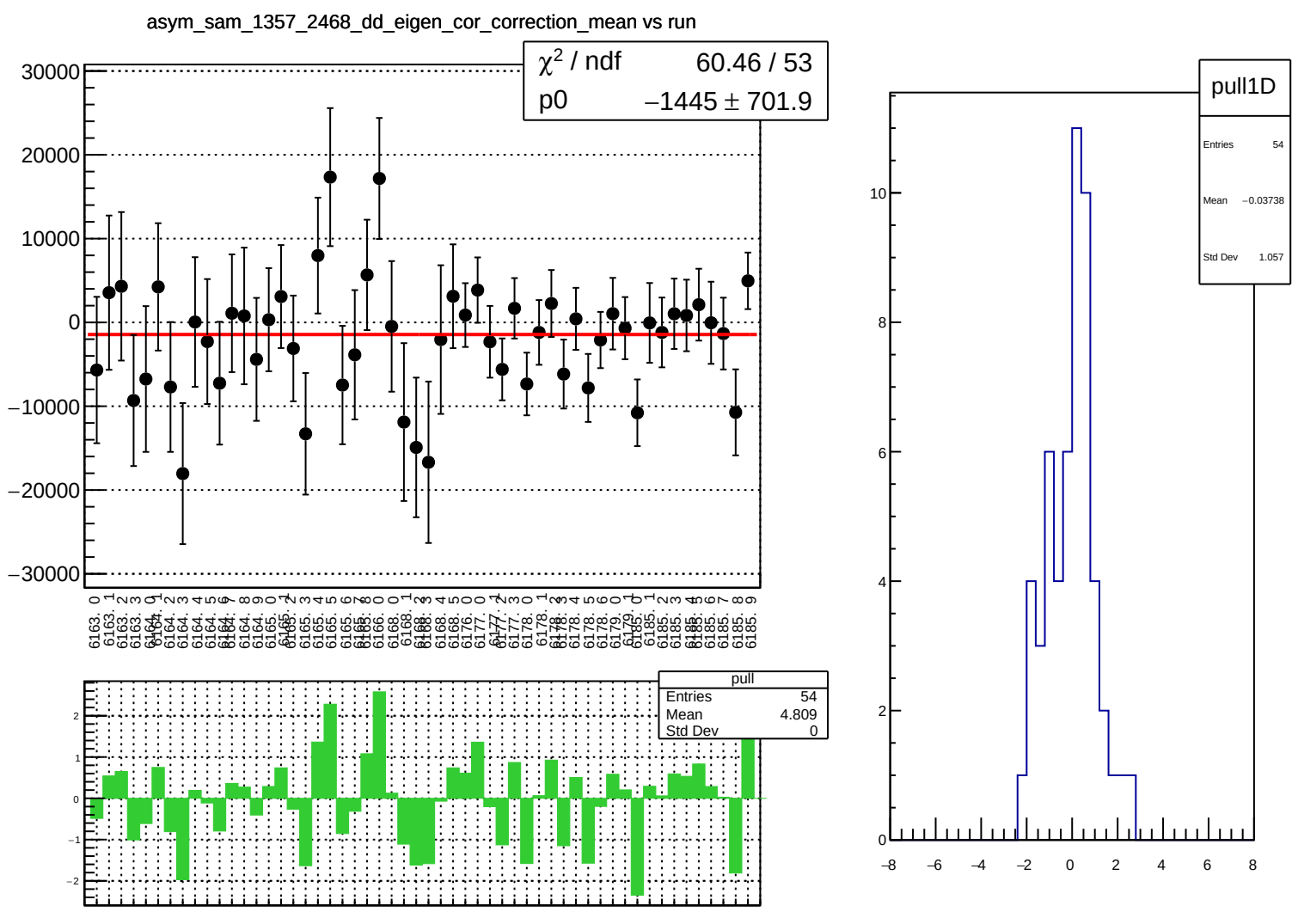
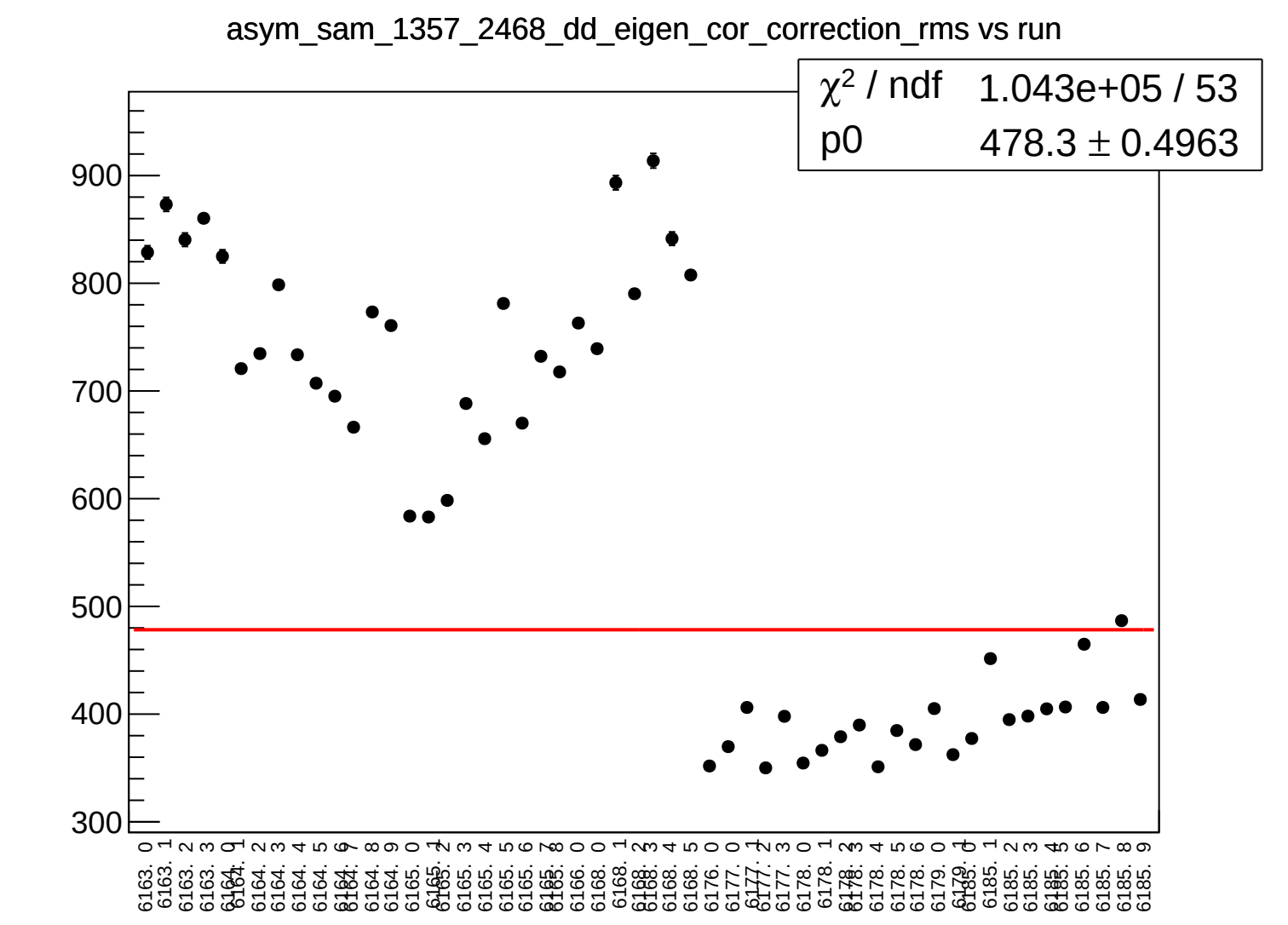
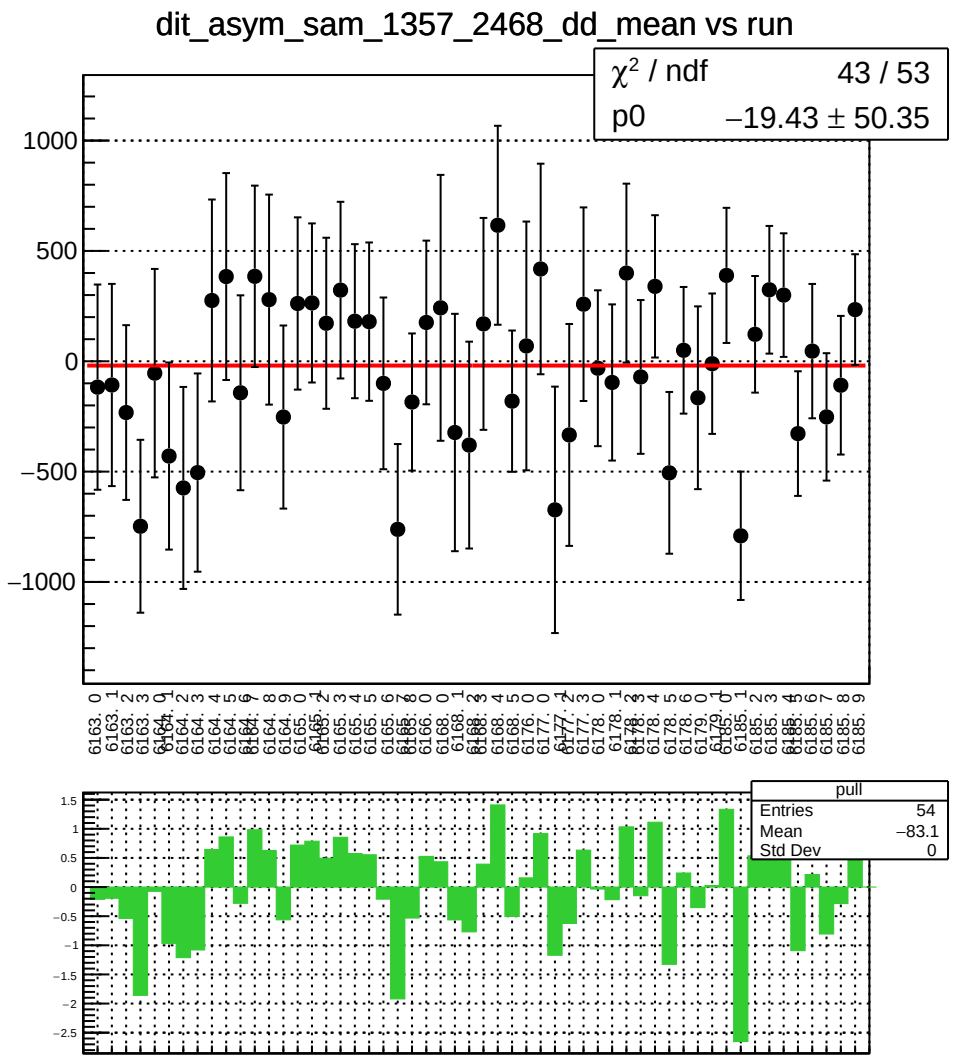
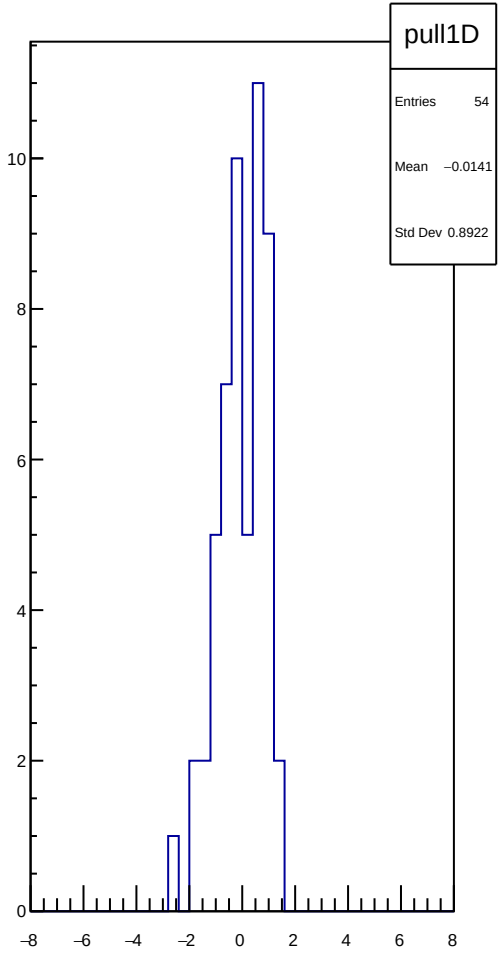
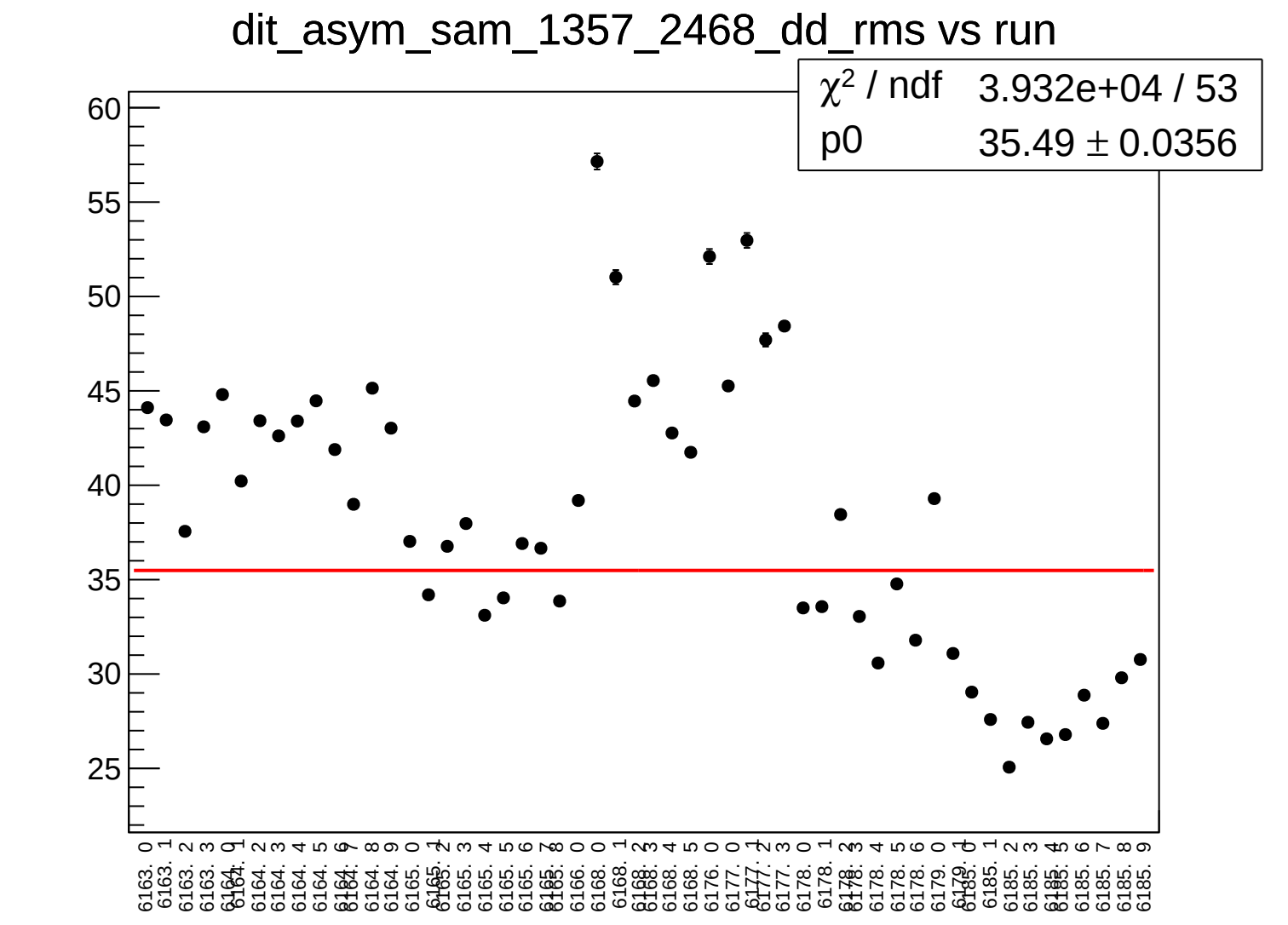
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

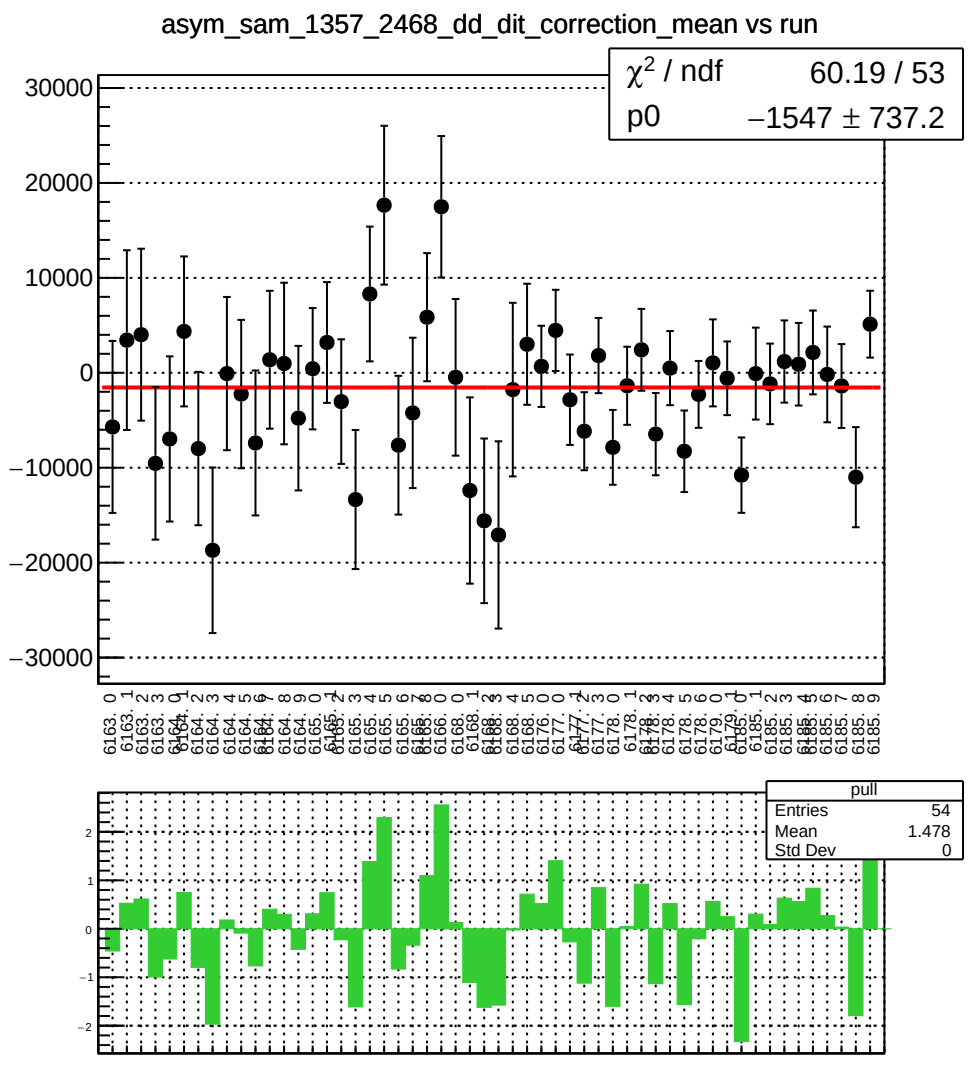

asym_sam_1357_2468_dd_eigen_cor_correction_mean vs run
χ² / ndf 60.46 / 53
p0 −1445 ± 701.9
pull
Entries 54
Mean 4.809
Std Dev 0
pull1D
Entries 54
Mean −0.03738
Std Dev 1.057

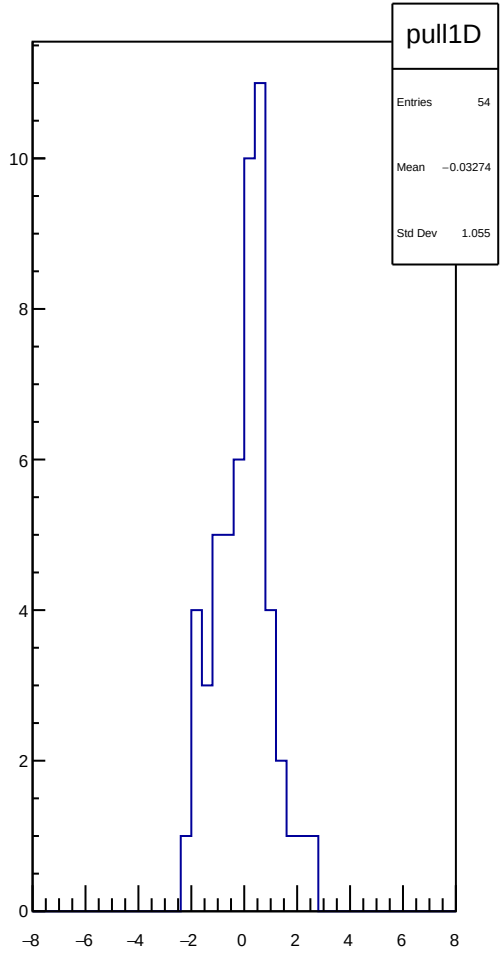

asym_sam_1357_2468_dd_eigen_cor_correction_rms vs run
χ² / ndf 1.043e+05 / 53
p0 478.3 ± 0.4963
900
800
700
600
500
400
300
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

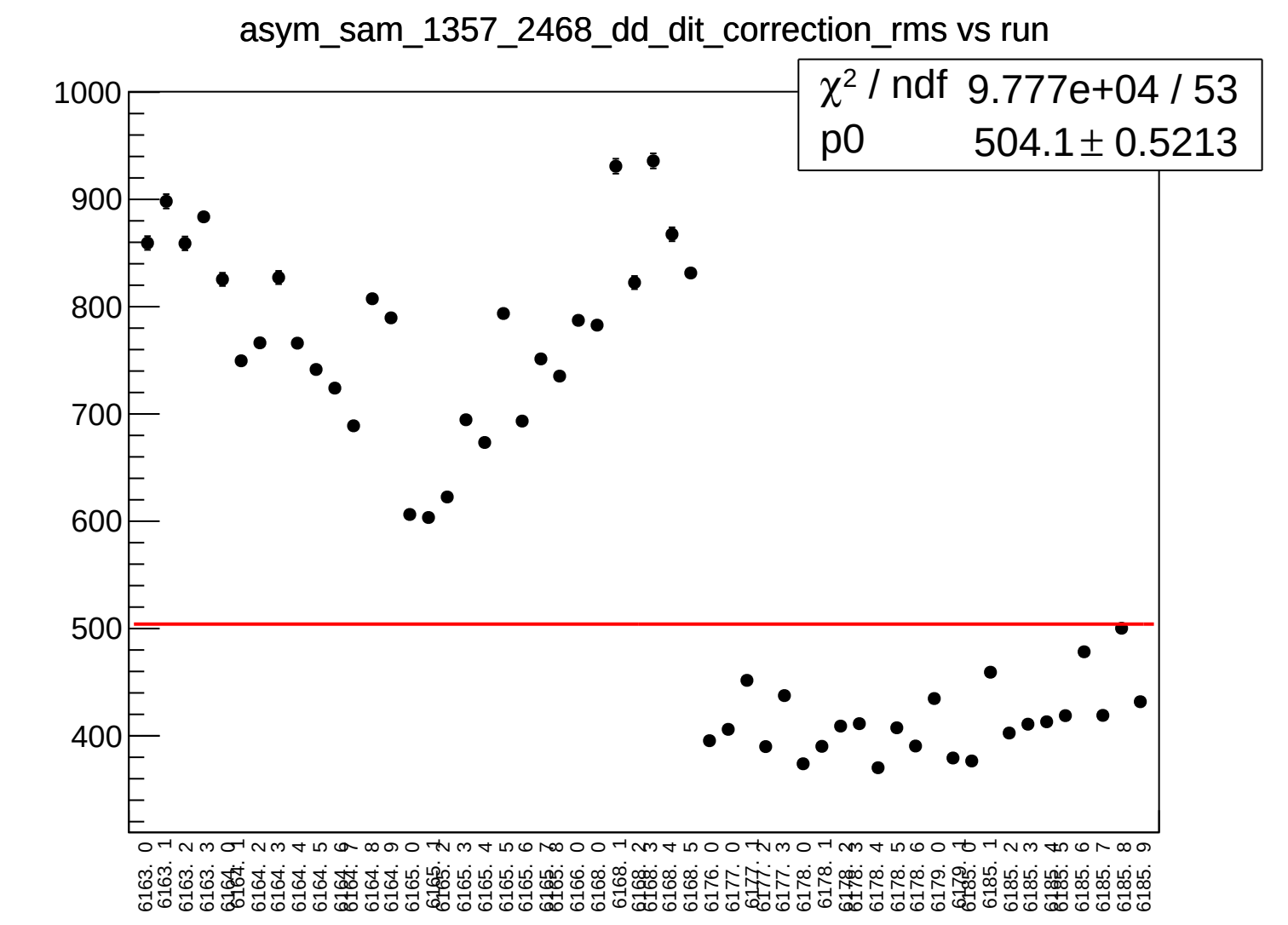

dit_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 43 / 53
p0 −19.43 ± 50.35
1000
500
0
−500
−1000
pull
Entries 54
Mean −83.1
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

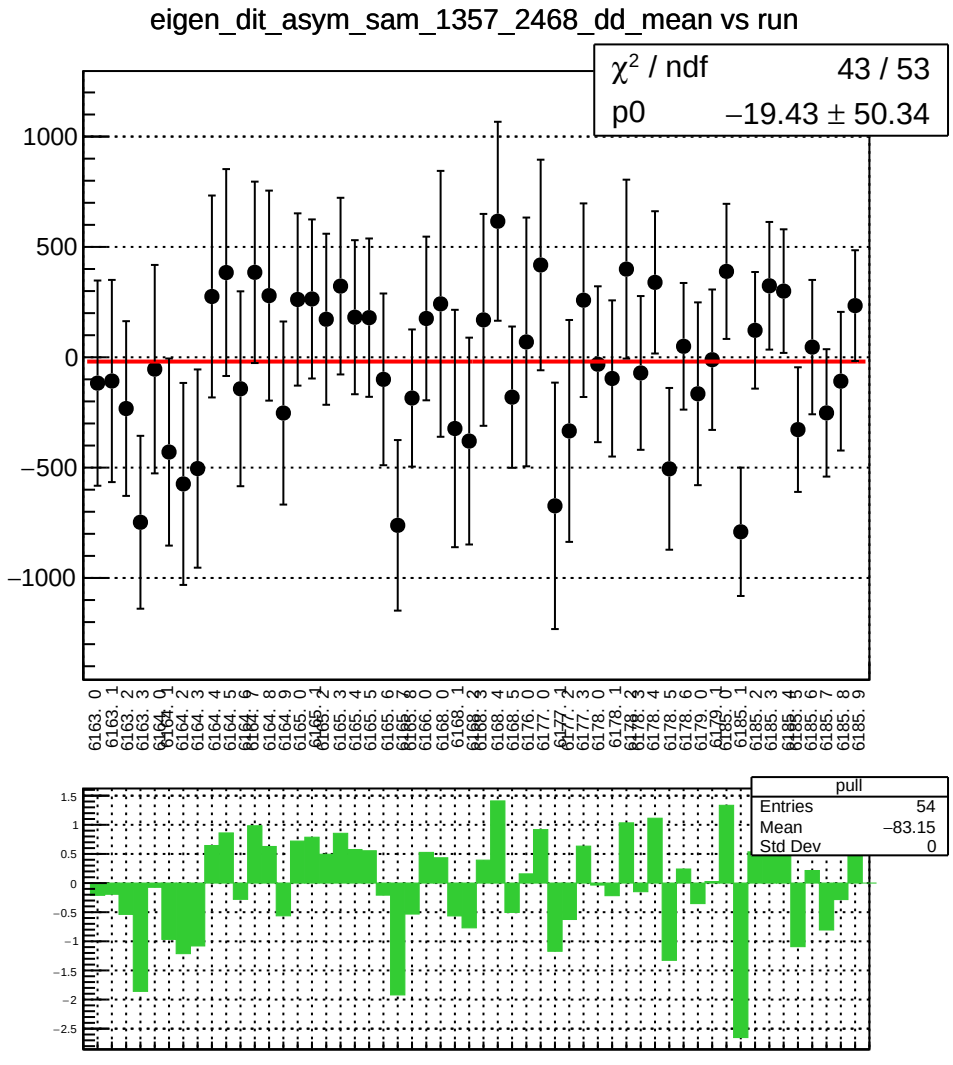

pull1D
Entries 54
Mean −0.0141
Std Dev 0.8922
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

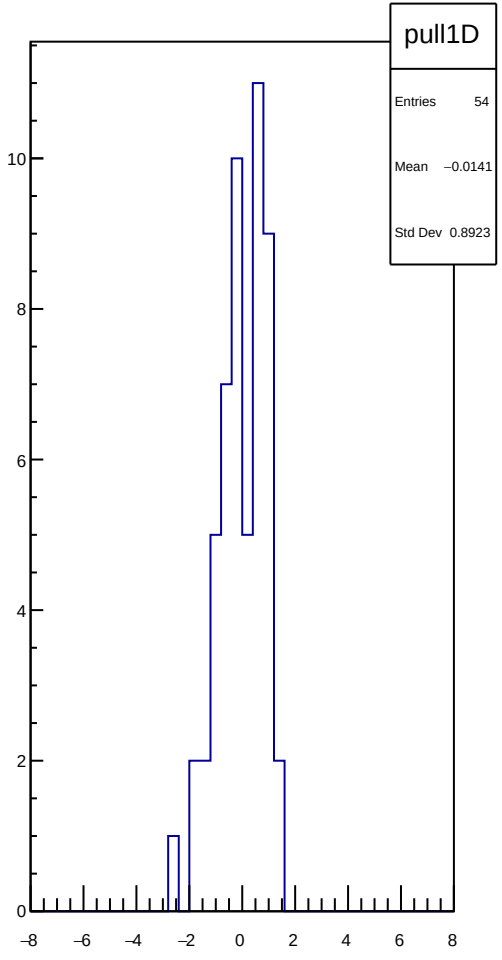

dit_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 3.932e+04 / 53
p0 35.49 ± 0.0356
60
55
50
45
40
35
30
25
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

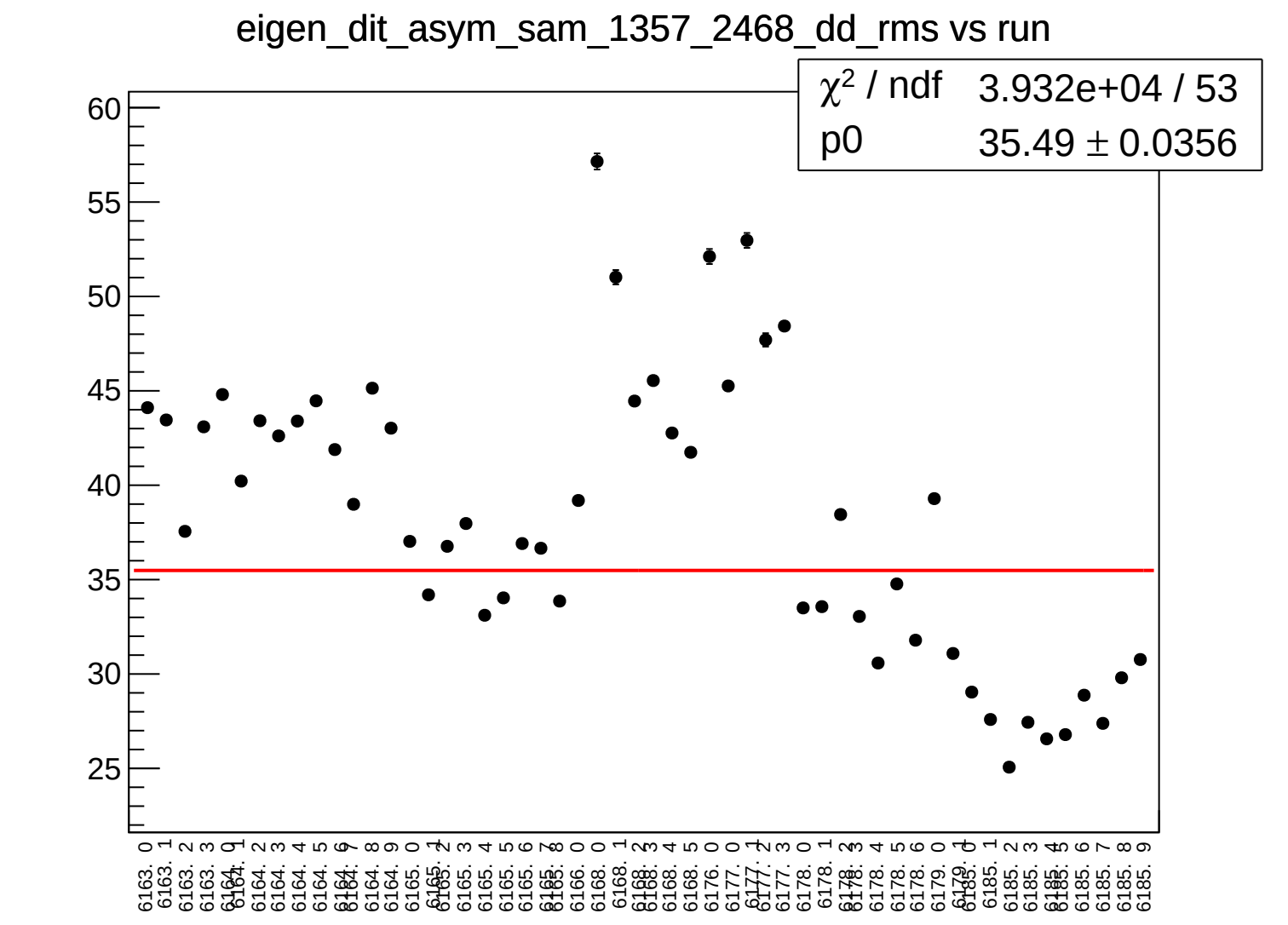

asym_sam_1357_2468_dd_dit_correction_mean vs run
χ² / ndf 60.19 / 53
p0 −1547 ± 737.2
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 54
Mean 1.478
Std Dev 0
2
1
0
−1
−2

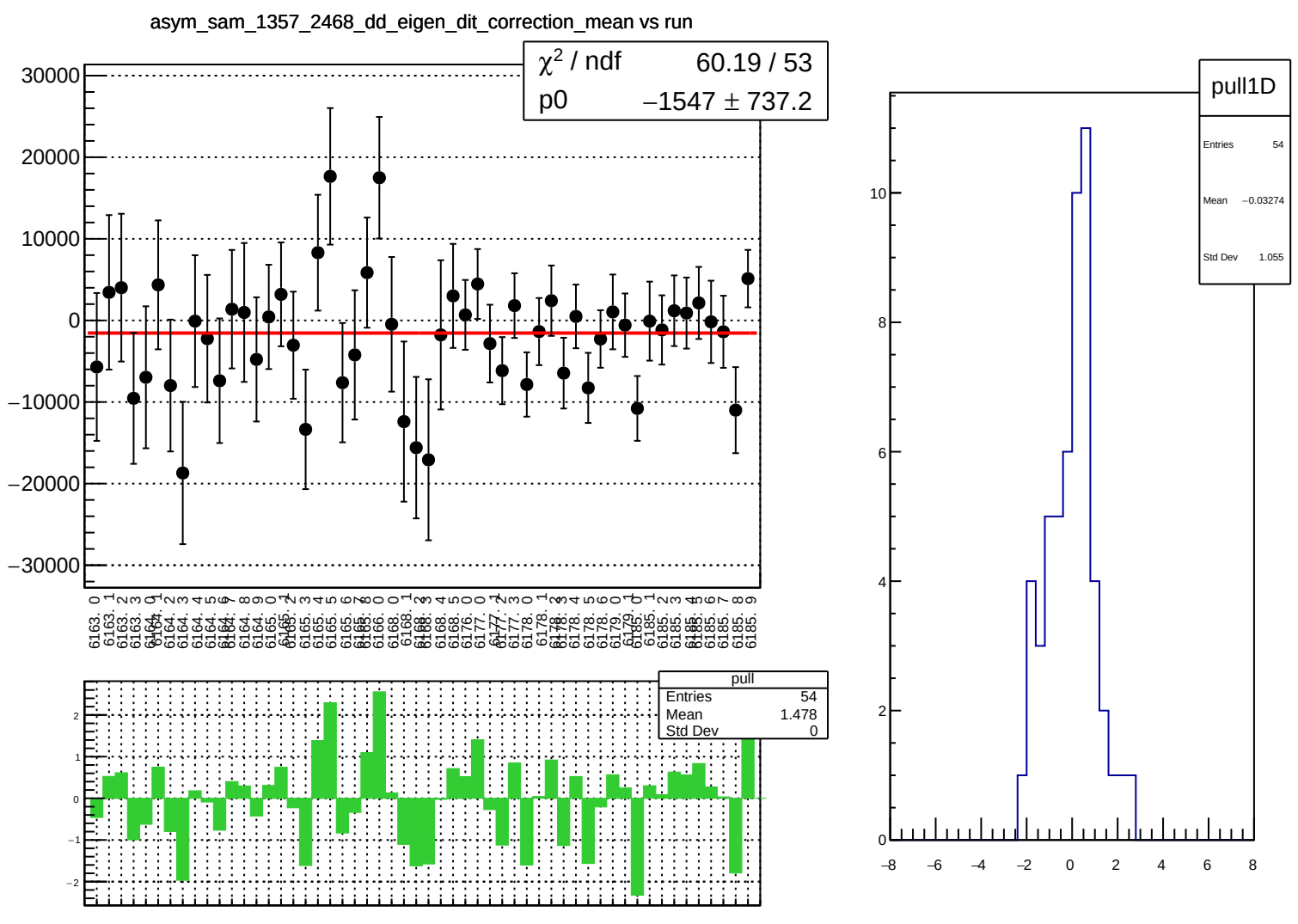

pull1D
Entries 54
Mean −0.03274
Std Dev 1.055
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

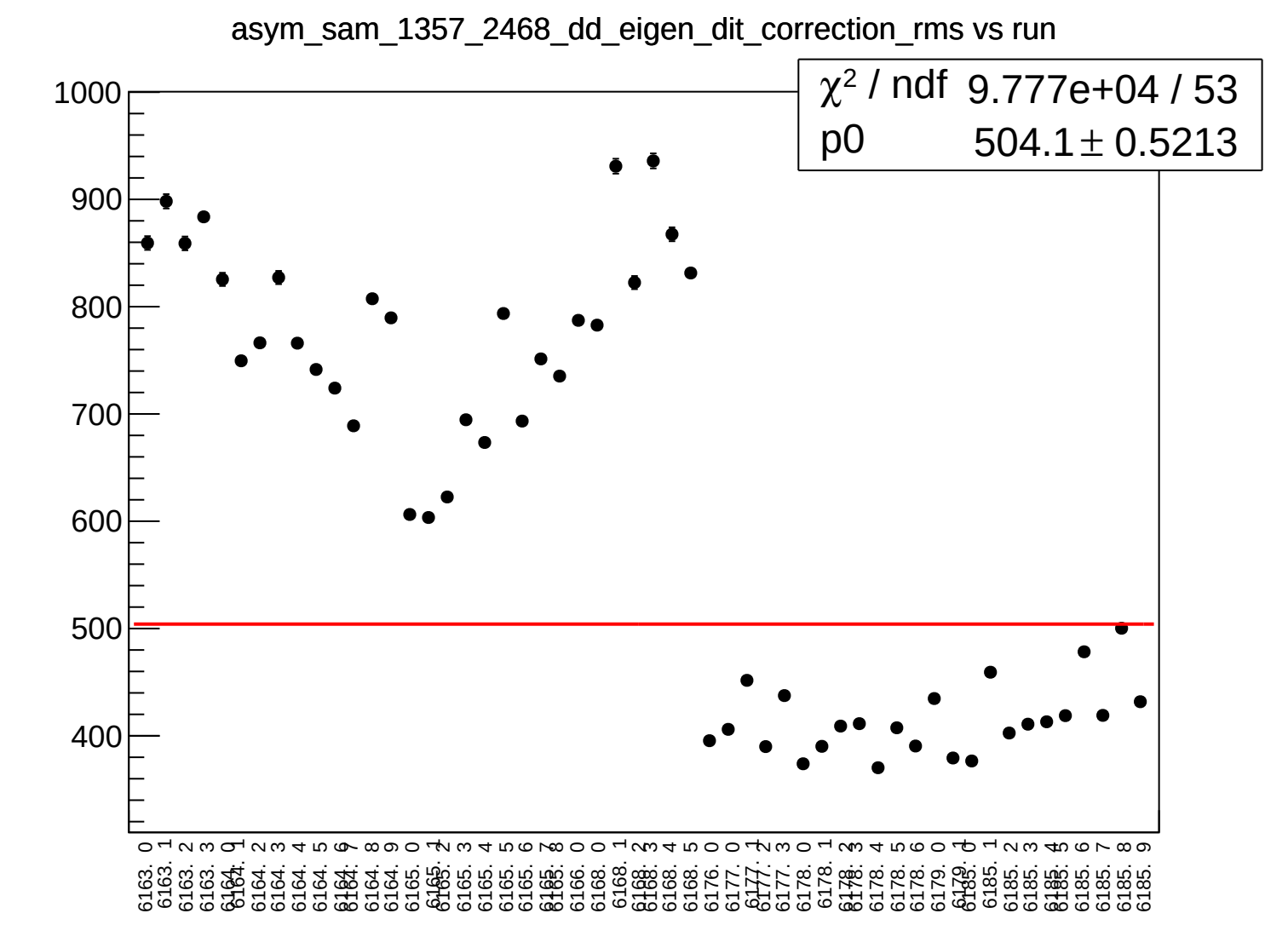

asym_sam_1357_2468_dd_dit_correction_rms vs run
χ² / ndf 9.777e+04 / 53
p0 504.1 ± 0.5213
1000
900
800
700
600
500
400
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


eigen_dit_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 43 / 53
p0 −19.43 ± 50.34
1000
500
0
−500
−1000
pull
Entries 54
Mean −83.15
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 54
Mean −0.0141
Std Dev 0.8923
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_dit_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 3.932e+04 / 53
p0 35.49 ± 0.0356
60
55
50
45
40
35
30
25
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


asym_sam_1357_2468_dd_eigen_dit_correction_mean vs run
χ² / ndf 60.19 / 53
p0 −1547 ± 737.2
pull
Entries 54
Mean 1.478
Std Dev 0
pull1D
Entries 54
Mean −0.03274
Std Dev 1.055


asym_sam_1357_2468_dd_eigen_dit_correction_rms vs run
χ² / ndf 9.777e+04 / 53
p0 504.1 ± 0.5213
1000
900
800
700
600
500
400
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
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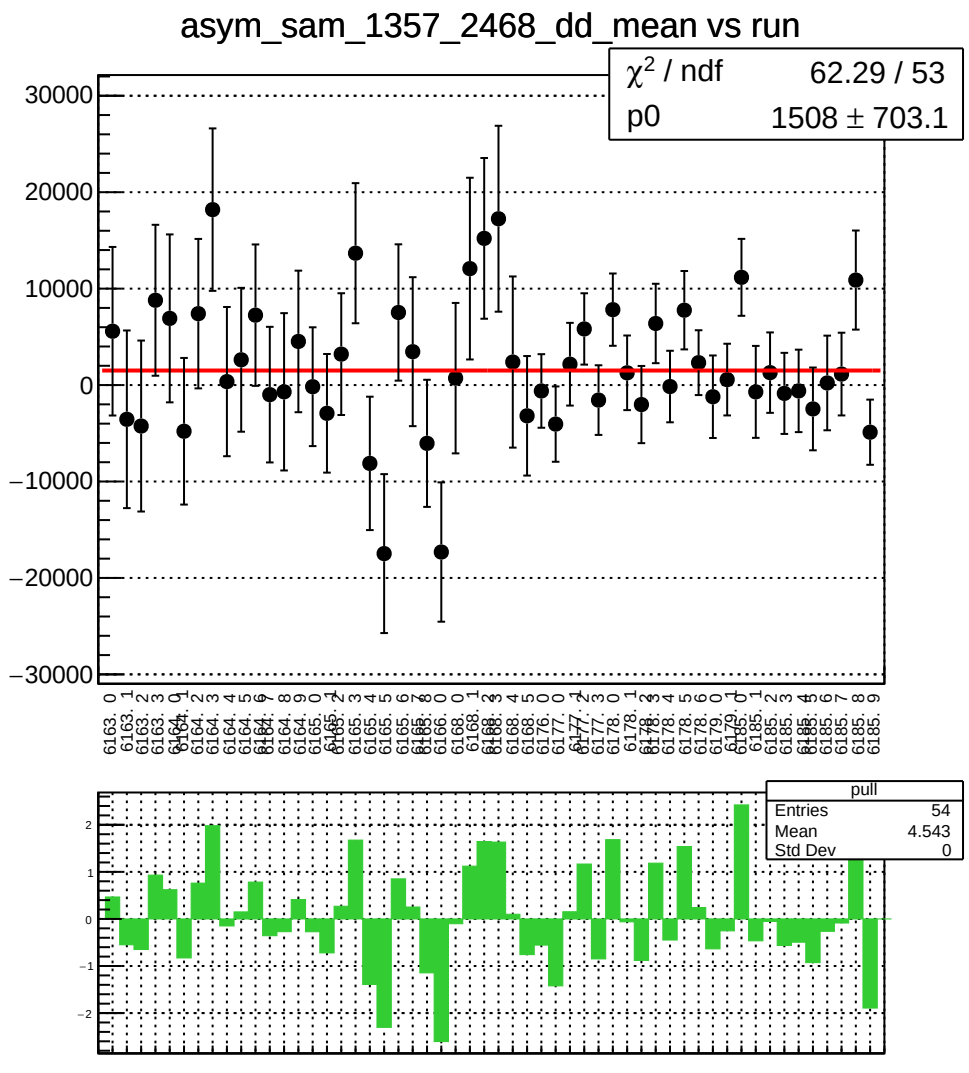
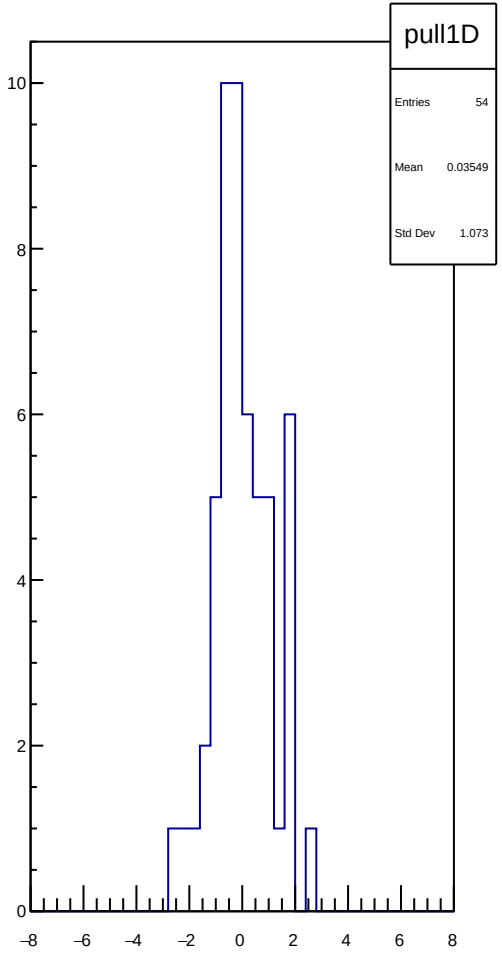
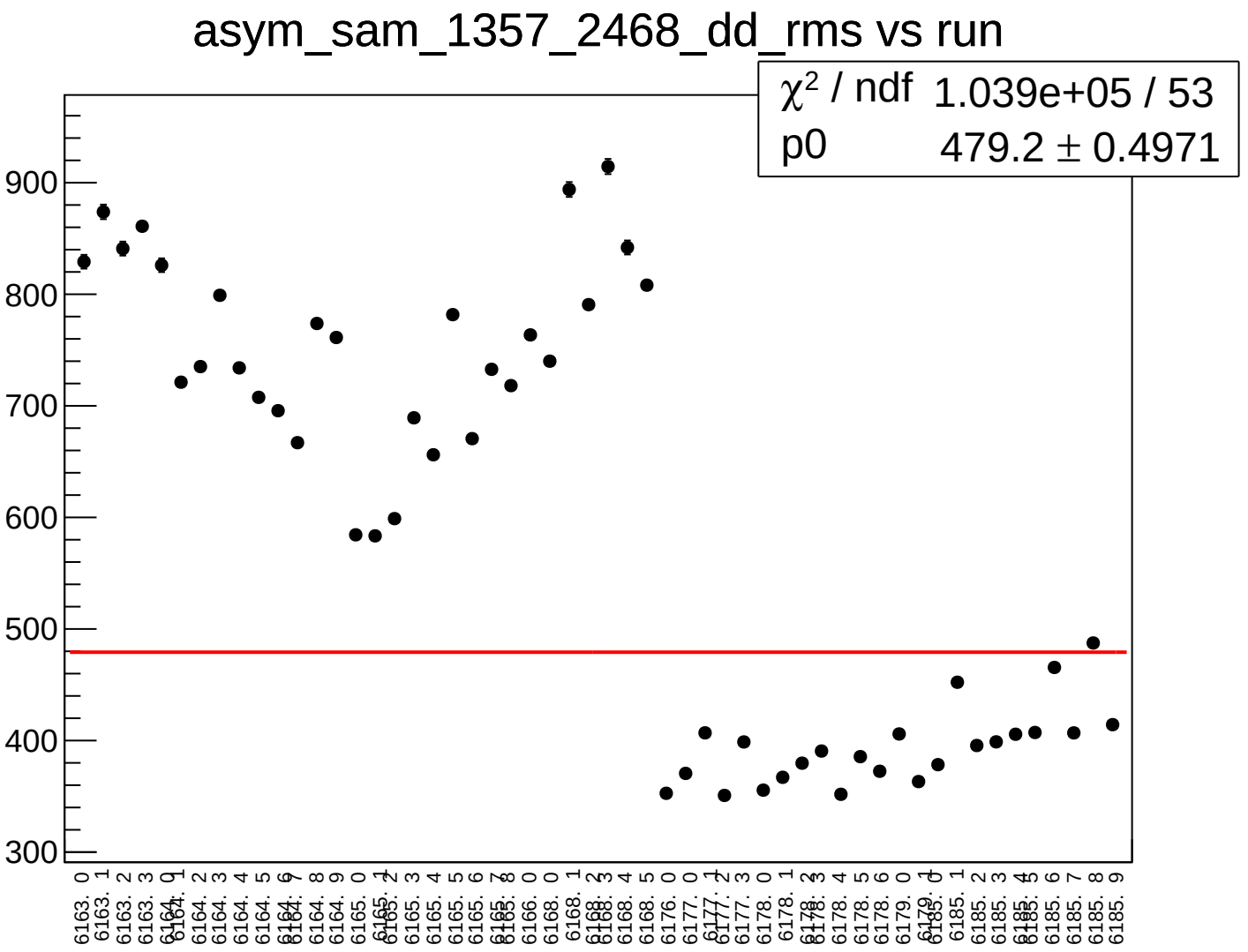
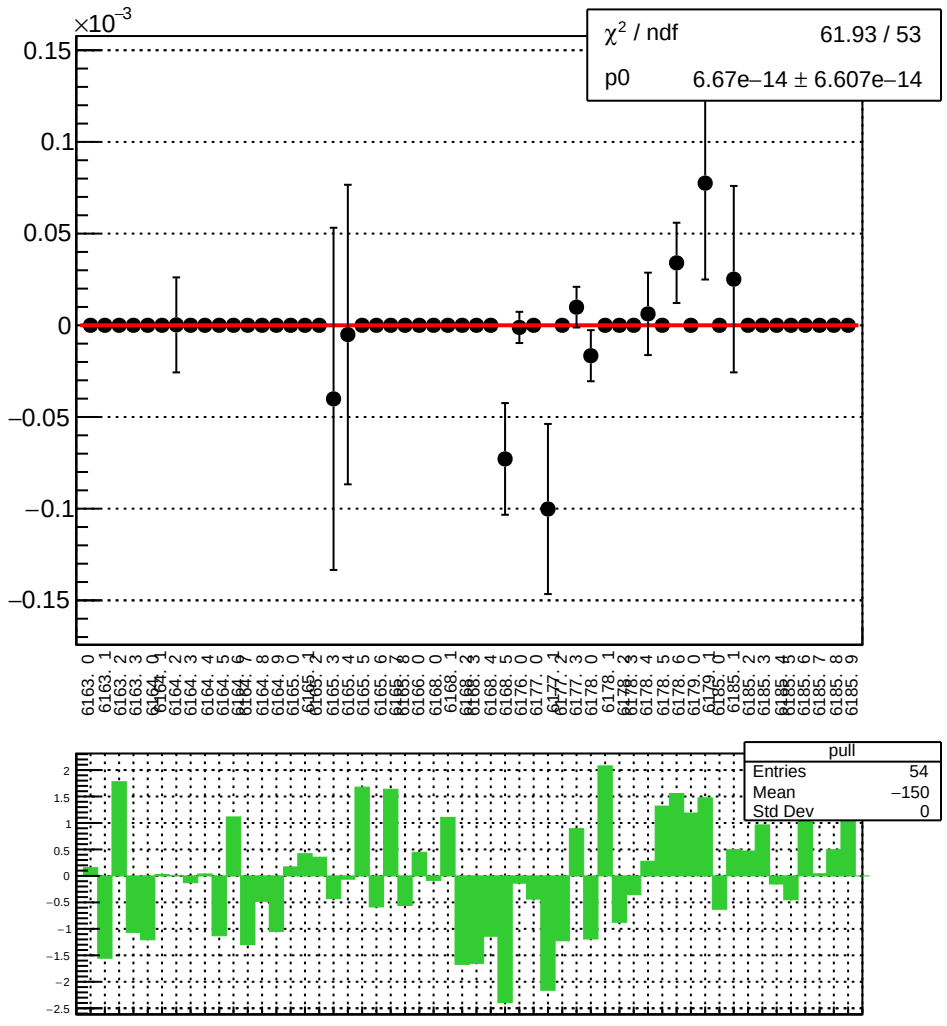
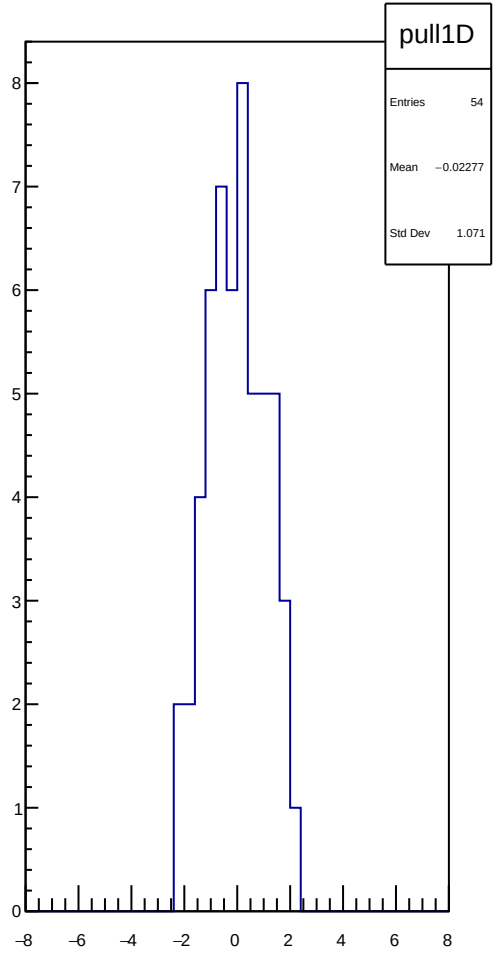
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

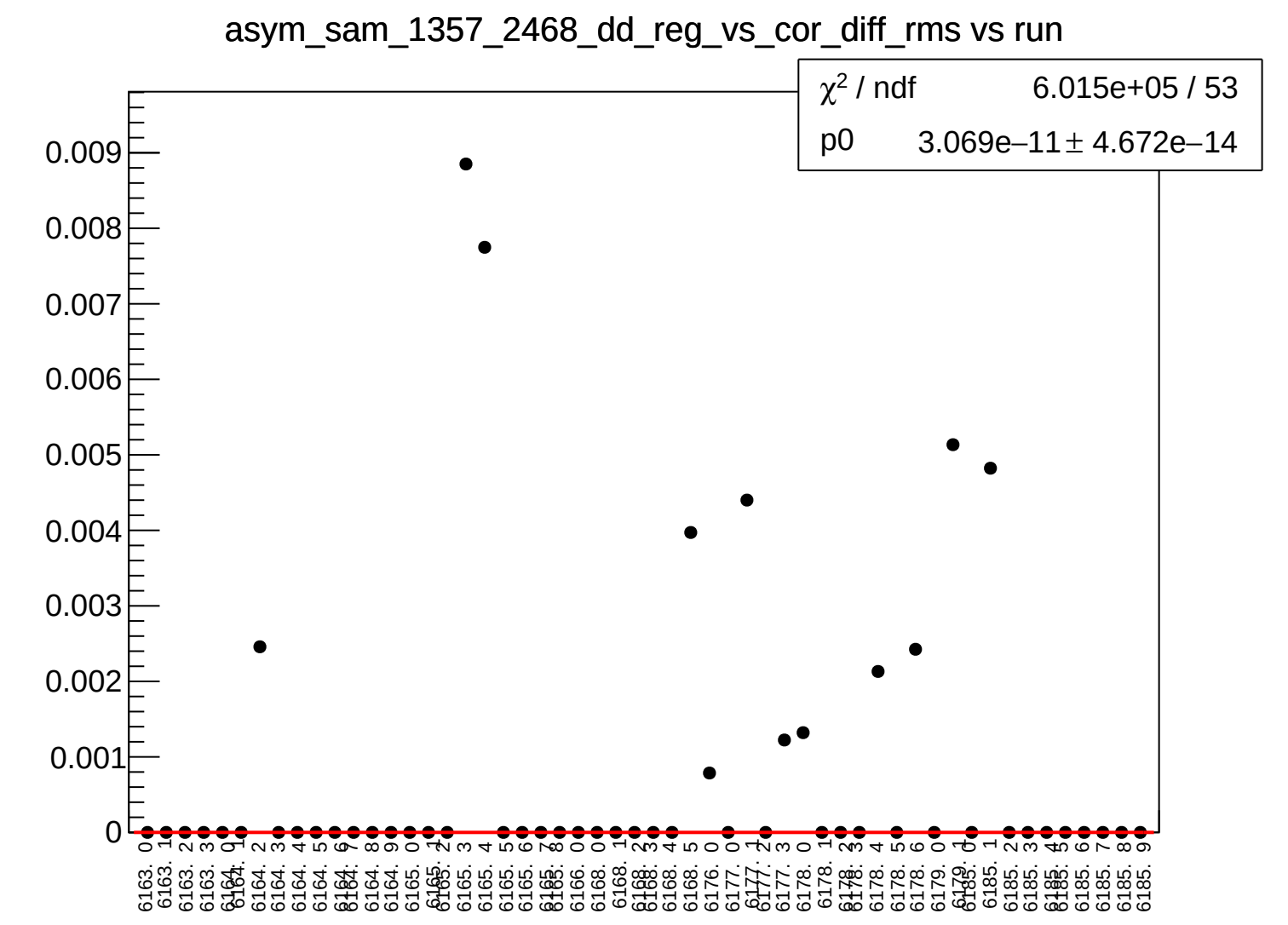

asym_sam_1357_2468_dd_mean vs run
χ² / ndf 62.29 / 53
p0 1508 ± 703.1
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 54
Mean 4.543
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 54
Mean 0.03549
Std Dev 1.073
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

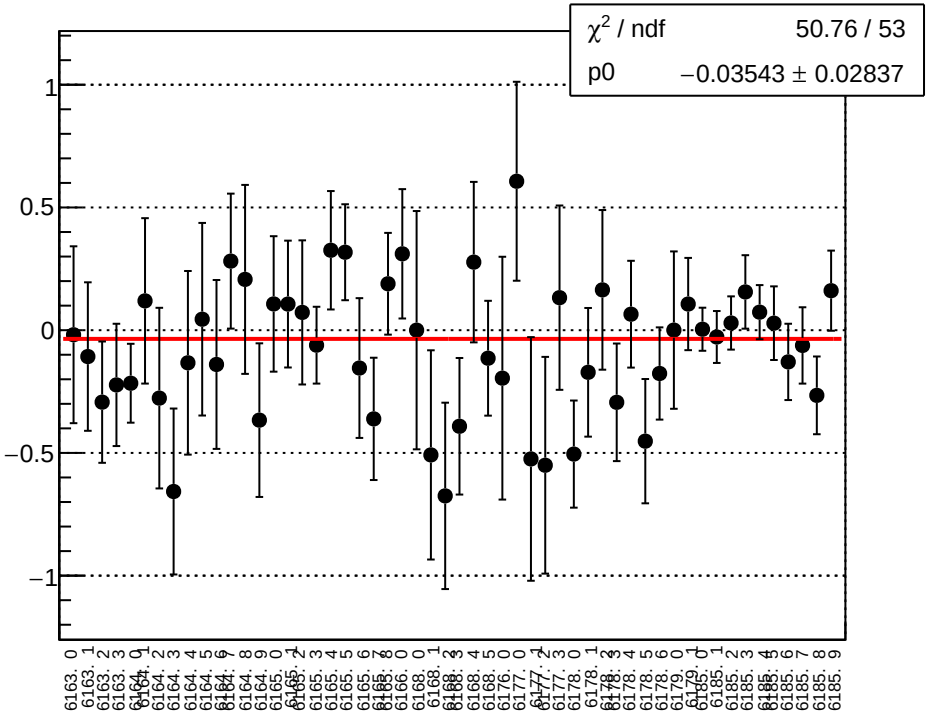

asym_sam_1357_2468_dd_rms vs run
χ² / ndf 1.039e+05 / 53
p0 479.2 ± 0.4971
900
800
700
600
500
400
300
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

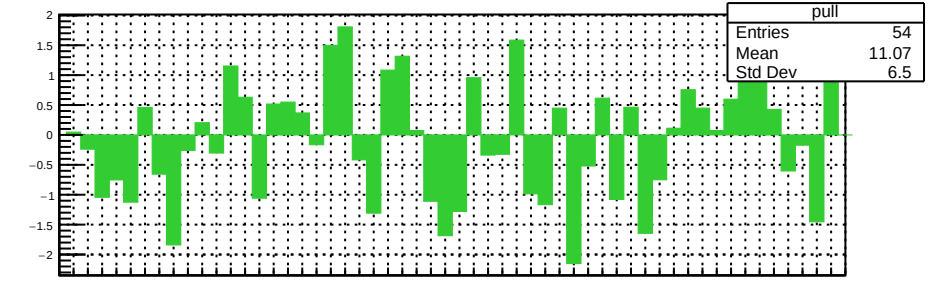

asym_sam_1357_2468_dd_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 61.93 / 53
p0 6.67e−14 ± 6.607e−14
pull
Entries 54
Mean −150
Std Dev 0

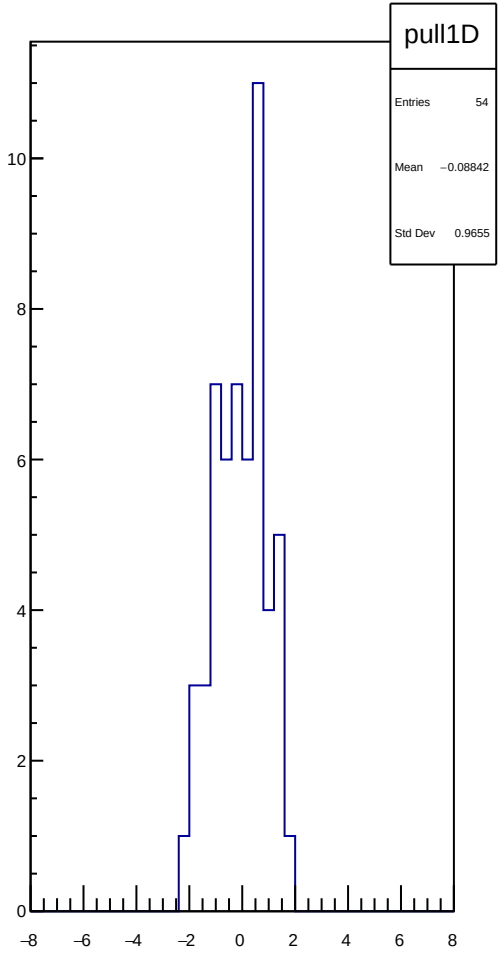

pull1D
Entries 54
Mean −0.02277
Std Dev 1.071

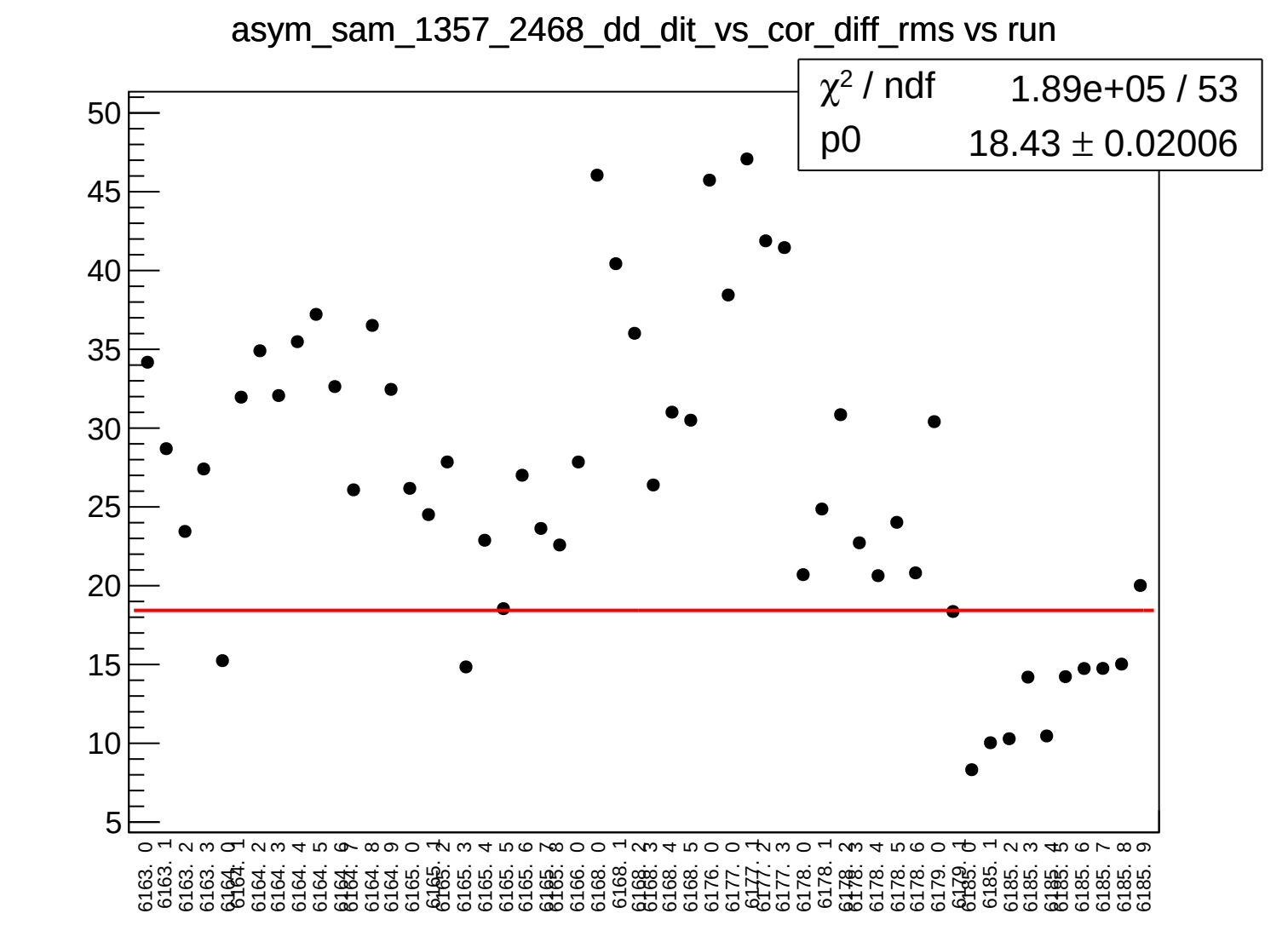

asym_sam_1357_2468_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.015e+05 / 53
p0 3.069e−11 ± 4.672e−14
0.009
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
0
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 2
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 3
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

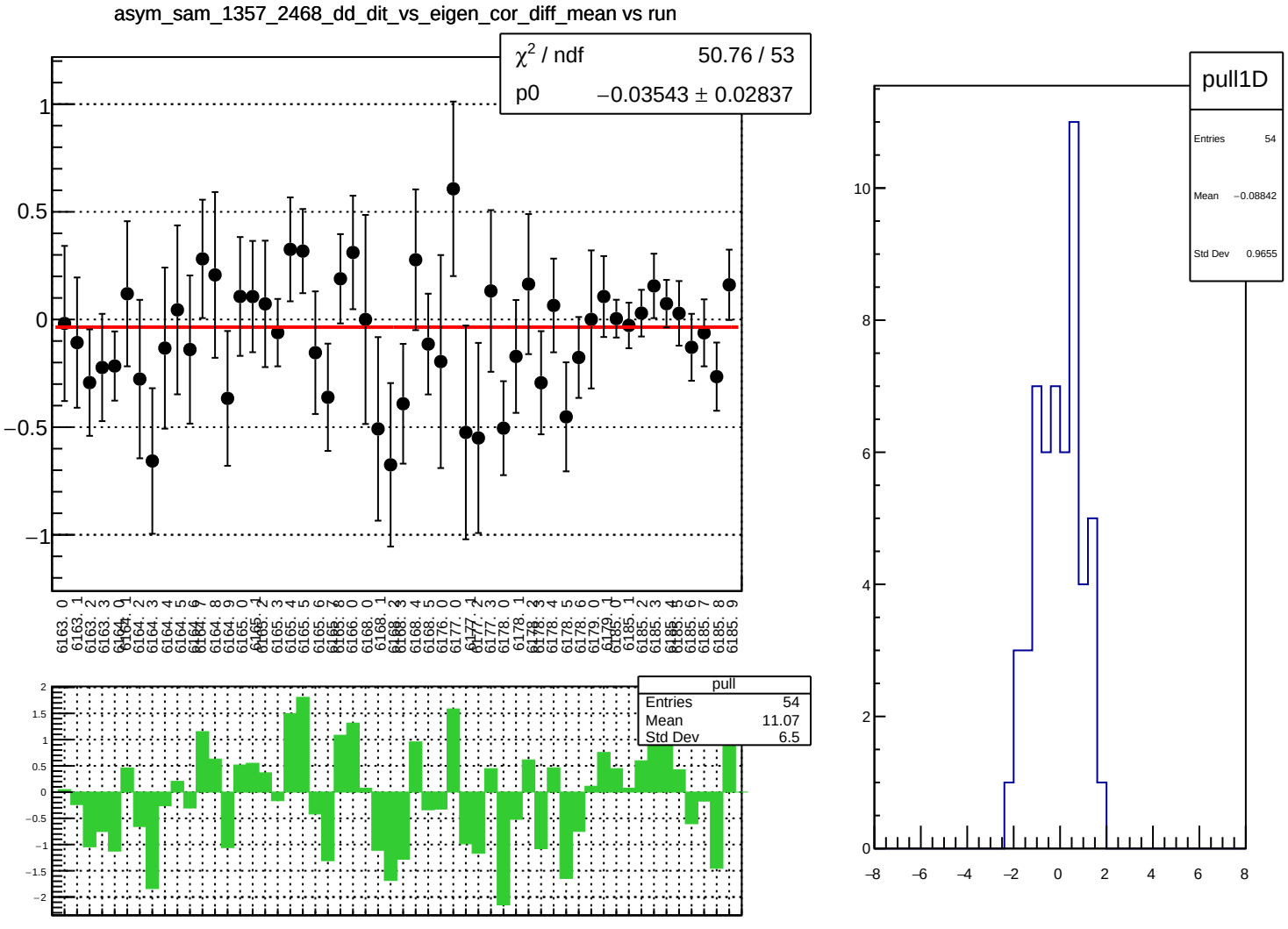
asym_sam_1357_2468_dd_dit_vs_cor_diff_mean vs run

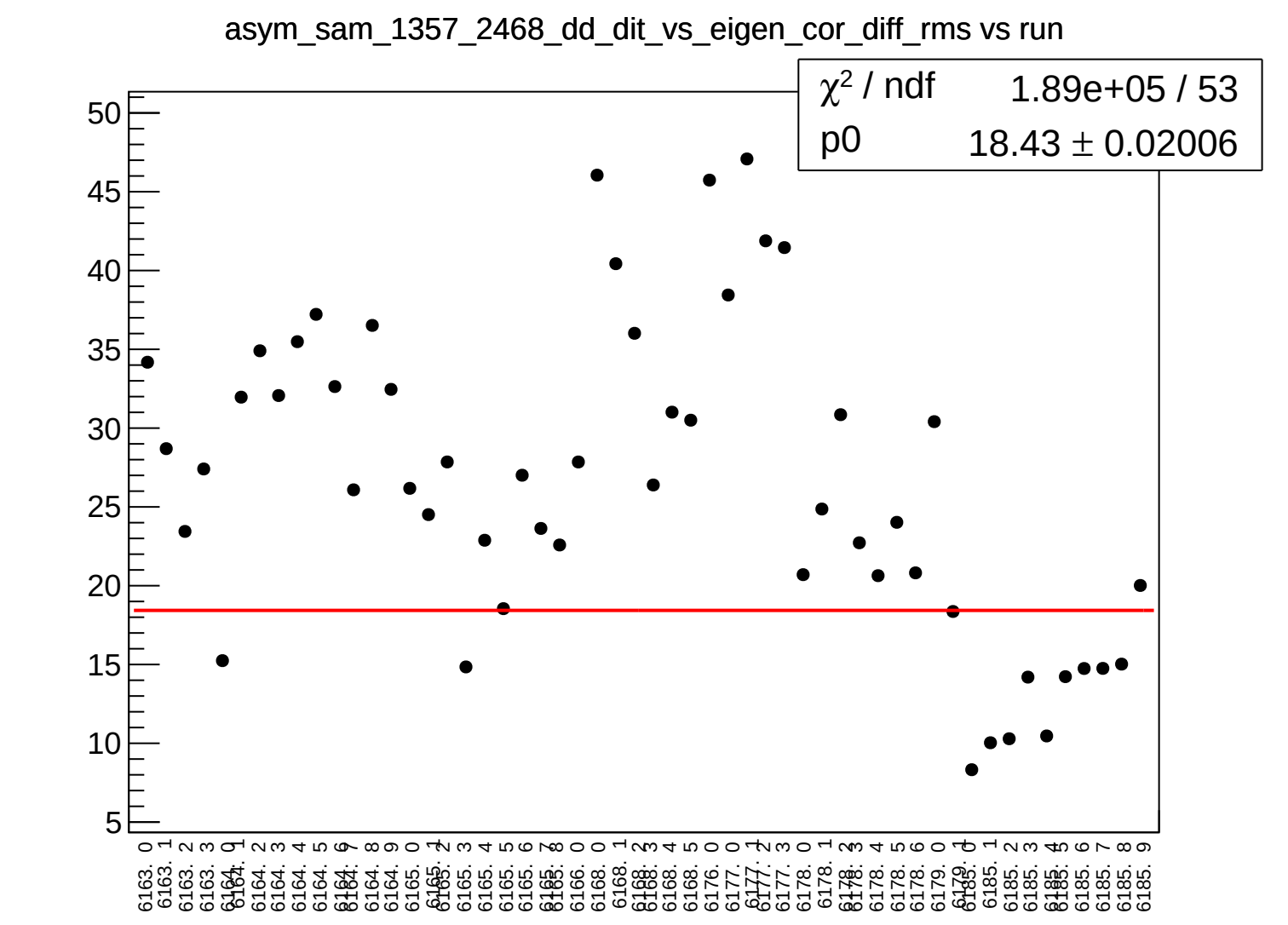


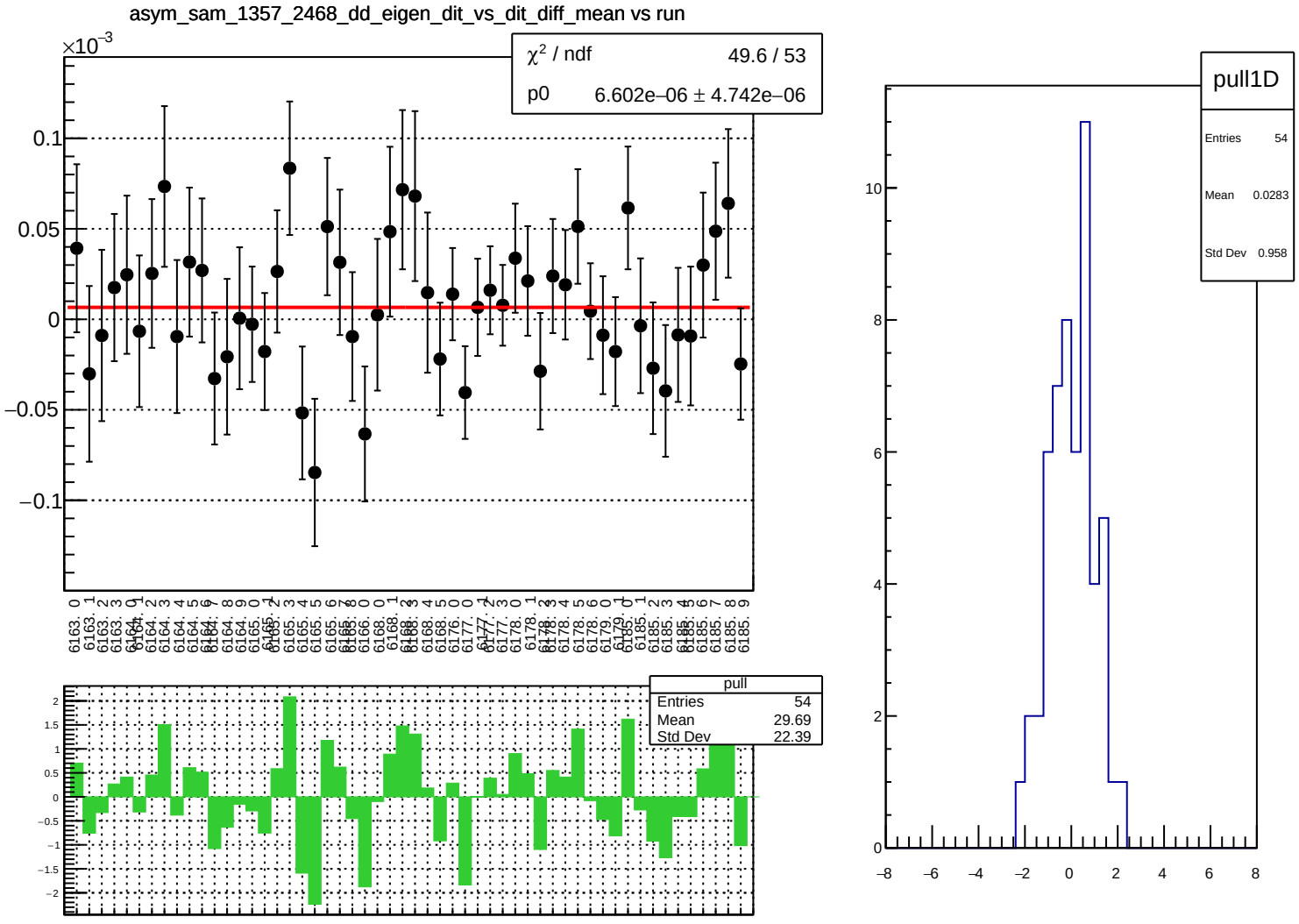


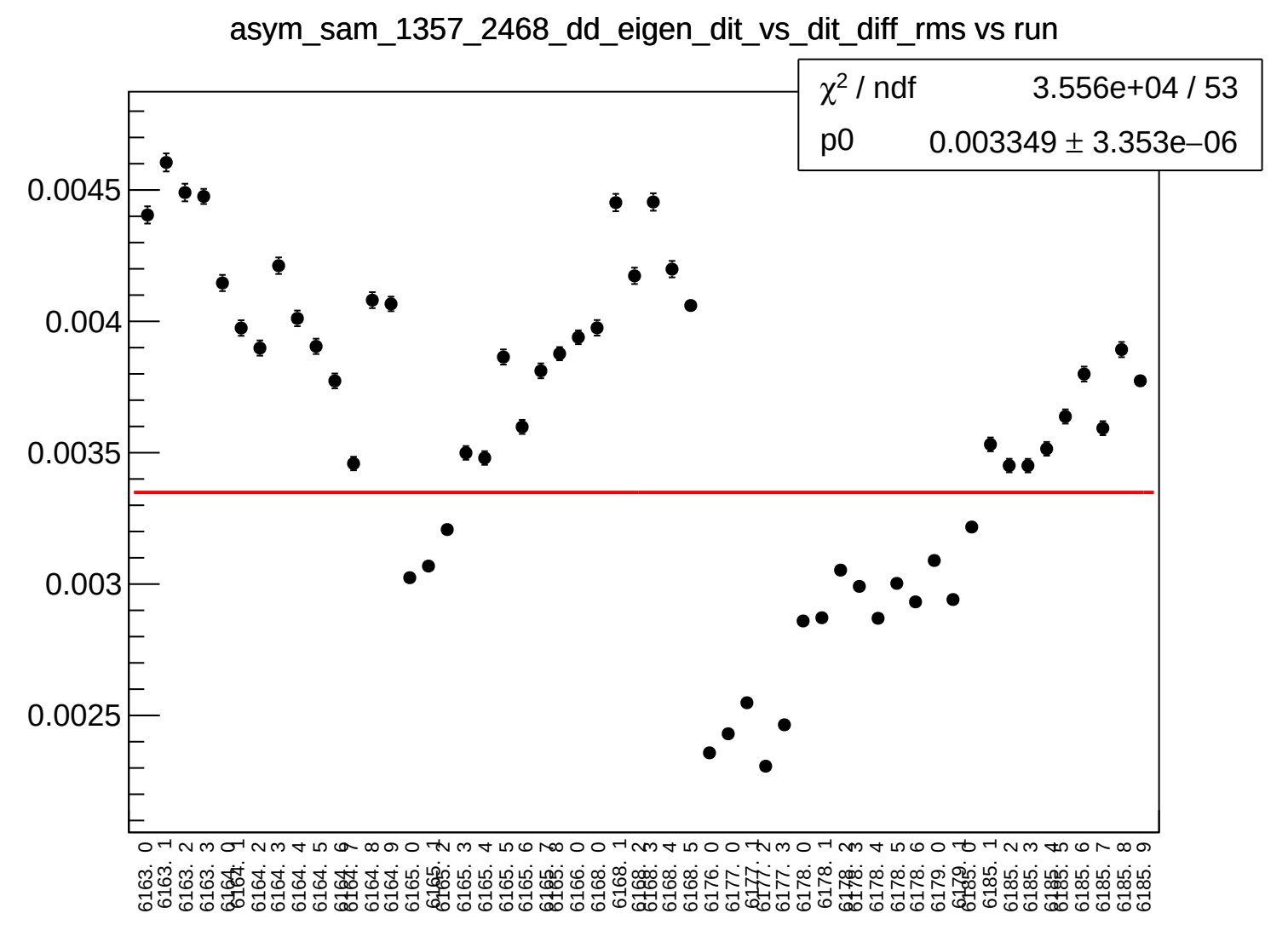


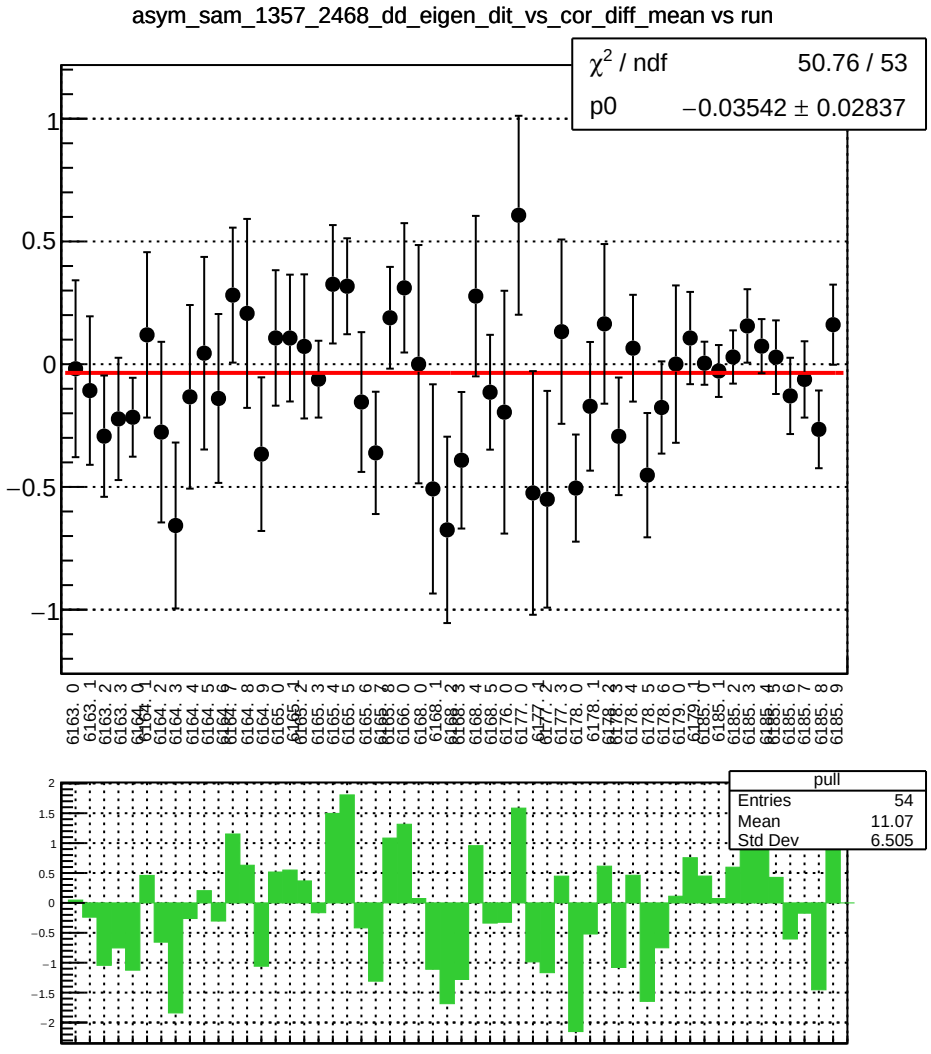

asym_sam_1357_2468_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.89e+05 / 53
p0 18.43 ± 0.02006
50
45
40
35
30
25
20
15
10
5
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

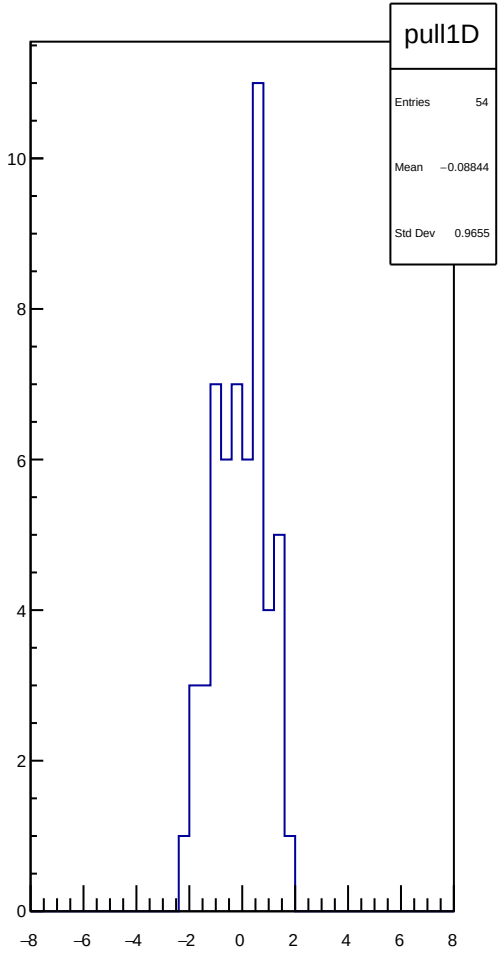

asym_sam_1357_2468_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 50.76 / 53
p0 −0.03543 ± 0.02837
pull
Entries 54
Mean 11.07
Std Dev 6.5
pull1D
Entries 54
Mean −0.08842
Std Dev 0.9655

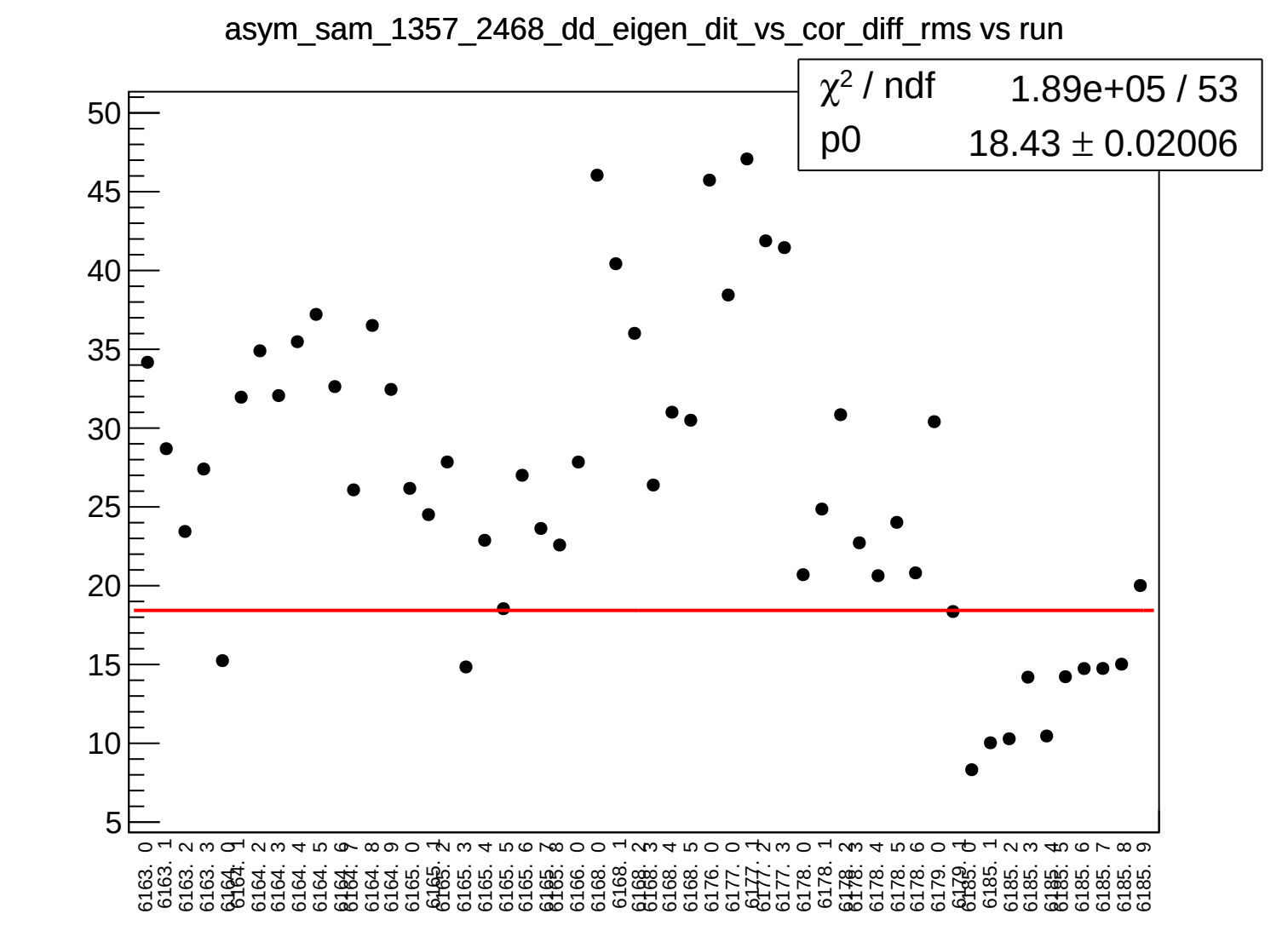

asym_sam_1357_2468_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.89e+05 / 53
p0 18.43 ± 0.02006
50
45
40
35
30
25
20
15
10
5
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

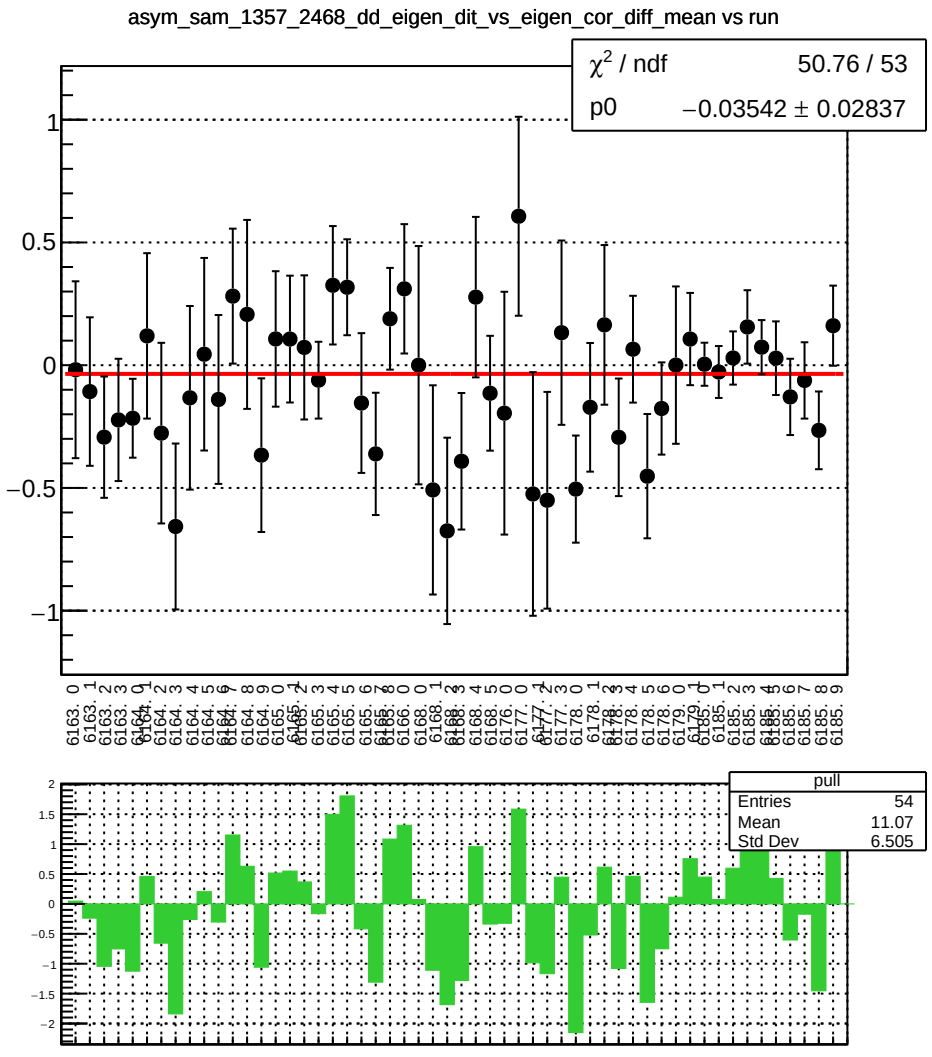

asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 49.6 / 53
p0 6.602e−06 ± 4.742e−06
0.1
0.05
0
−0.05
−0.1
pull
Entries 54
Mean 29.69
Std Dev 22.39
pull1D
Entries 54
Mean 0.0283
Std Dev 0.958
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

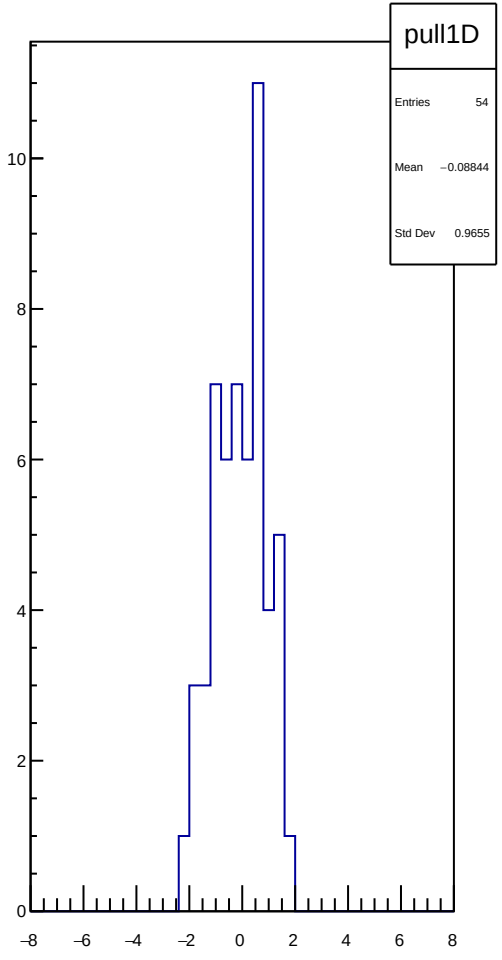

asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3.556e+04 / 53
p0 0.003349 ± 3.353e−06
0.0045
0.004
0.0035
0.003
0.0025
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

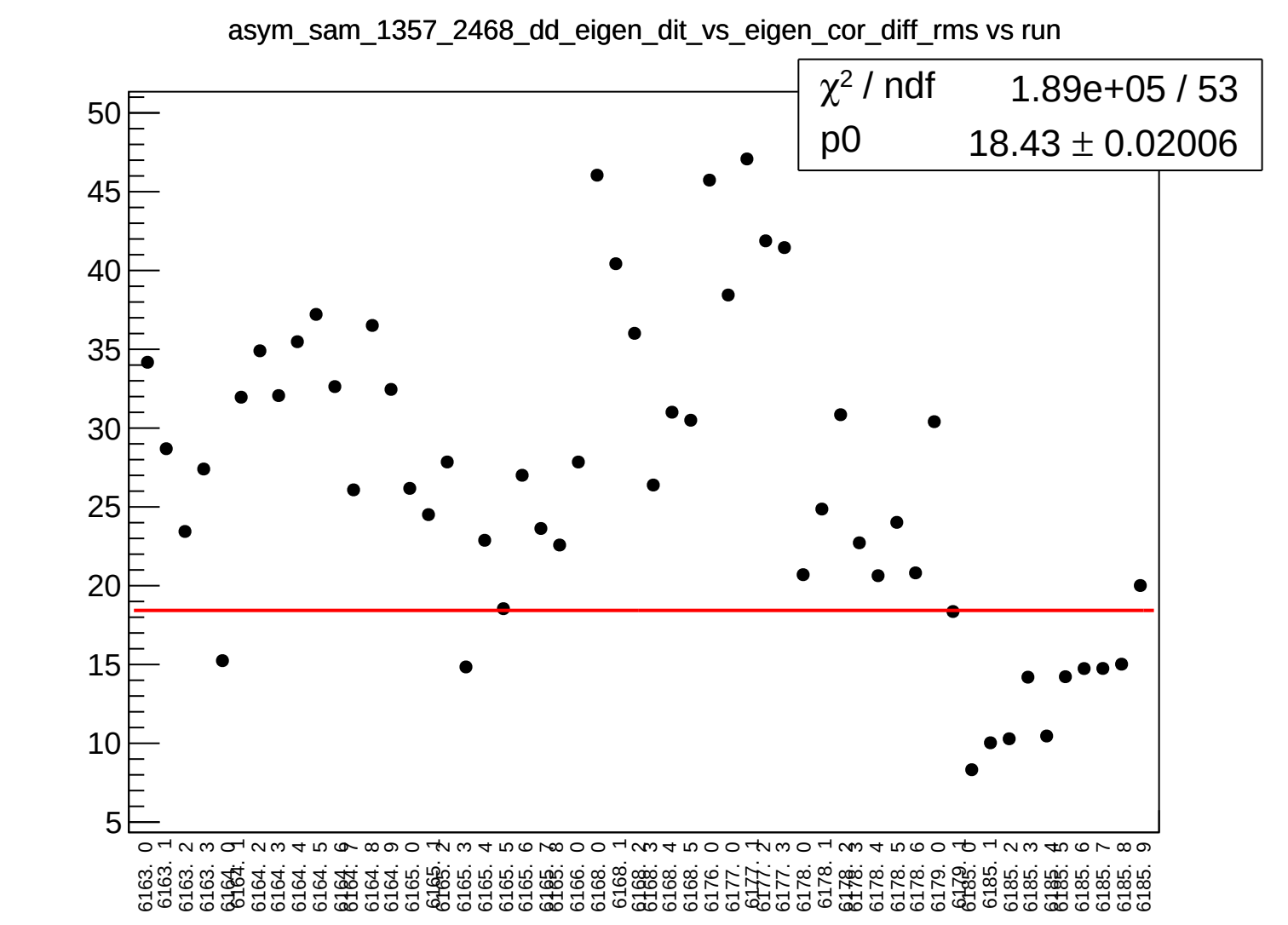

asym_sam_1357_2468_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 50.76 / 53
p0 −0.03542 ± 0.02837
pull
Entries 54
Mean 11.07
Std Dev 6.505

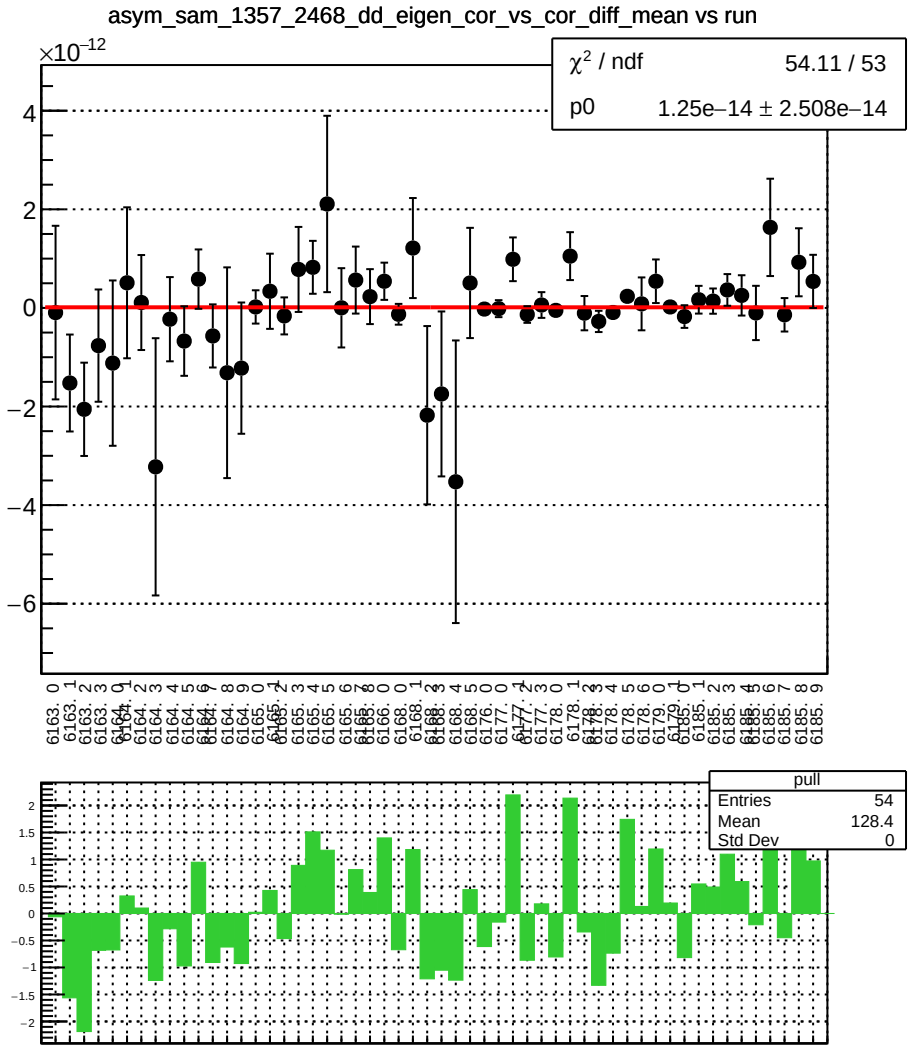

pull1D
Entries 54
Mean −0.08844
Std Dev 0.9655

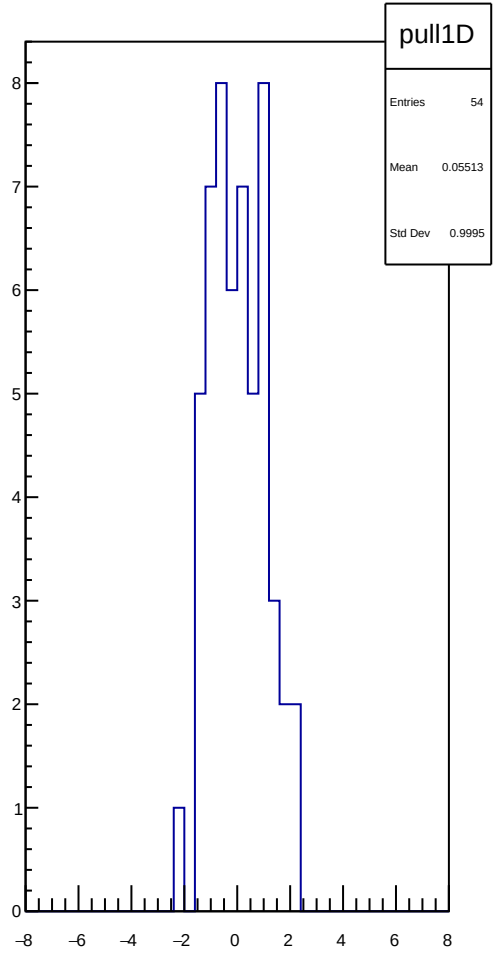

asym_sam_1357_2468_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.89e+05 / 53
p0 18.43 ± 0.02006
50
45
40
35
30
25
20
15
10
5
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

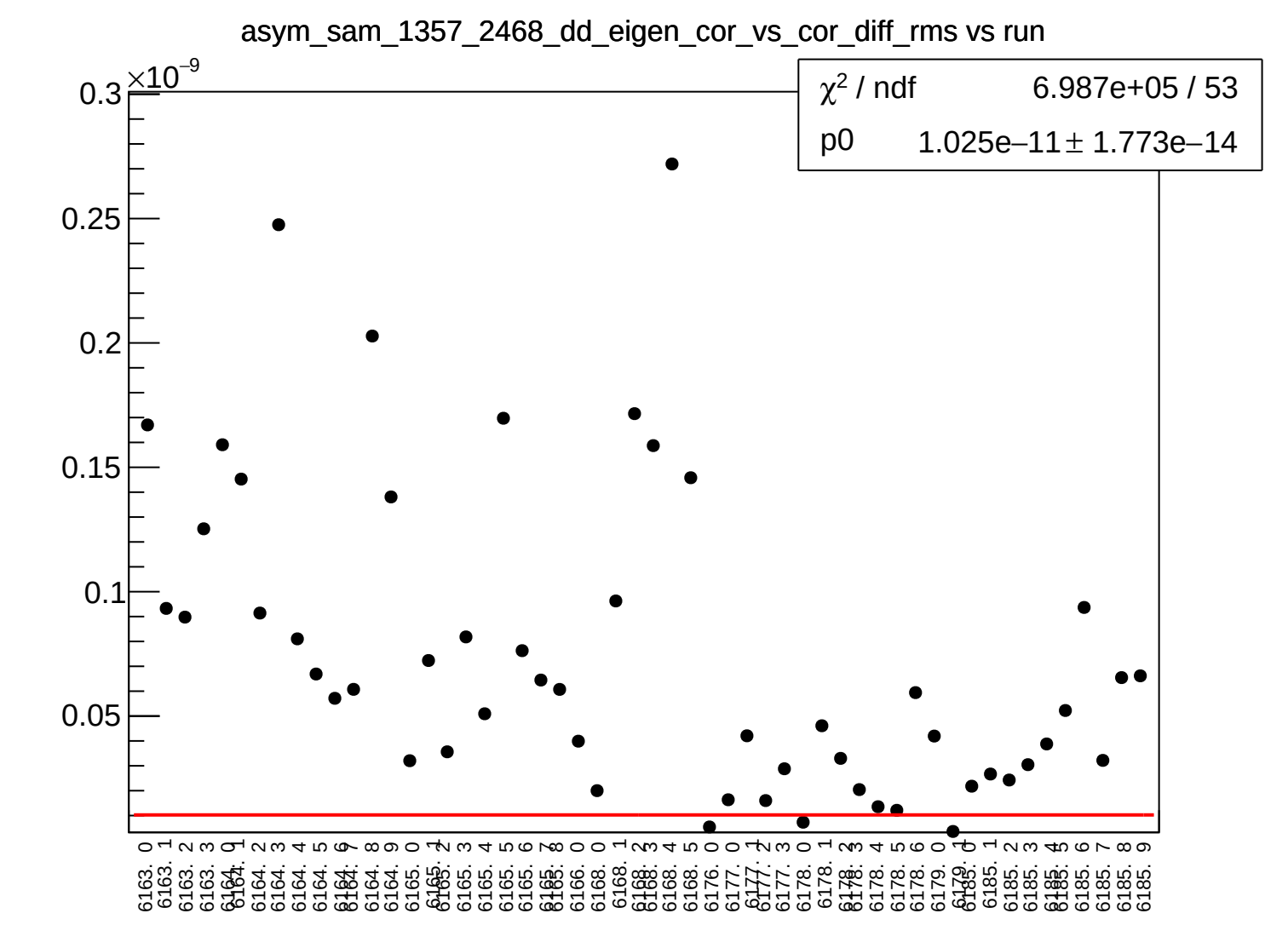

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 50.76 / 53
p0 −0.03542 ± 0.02837
pull
Entries 54
Mean 11.07
Std Dev 6.505

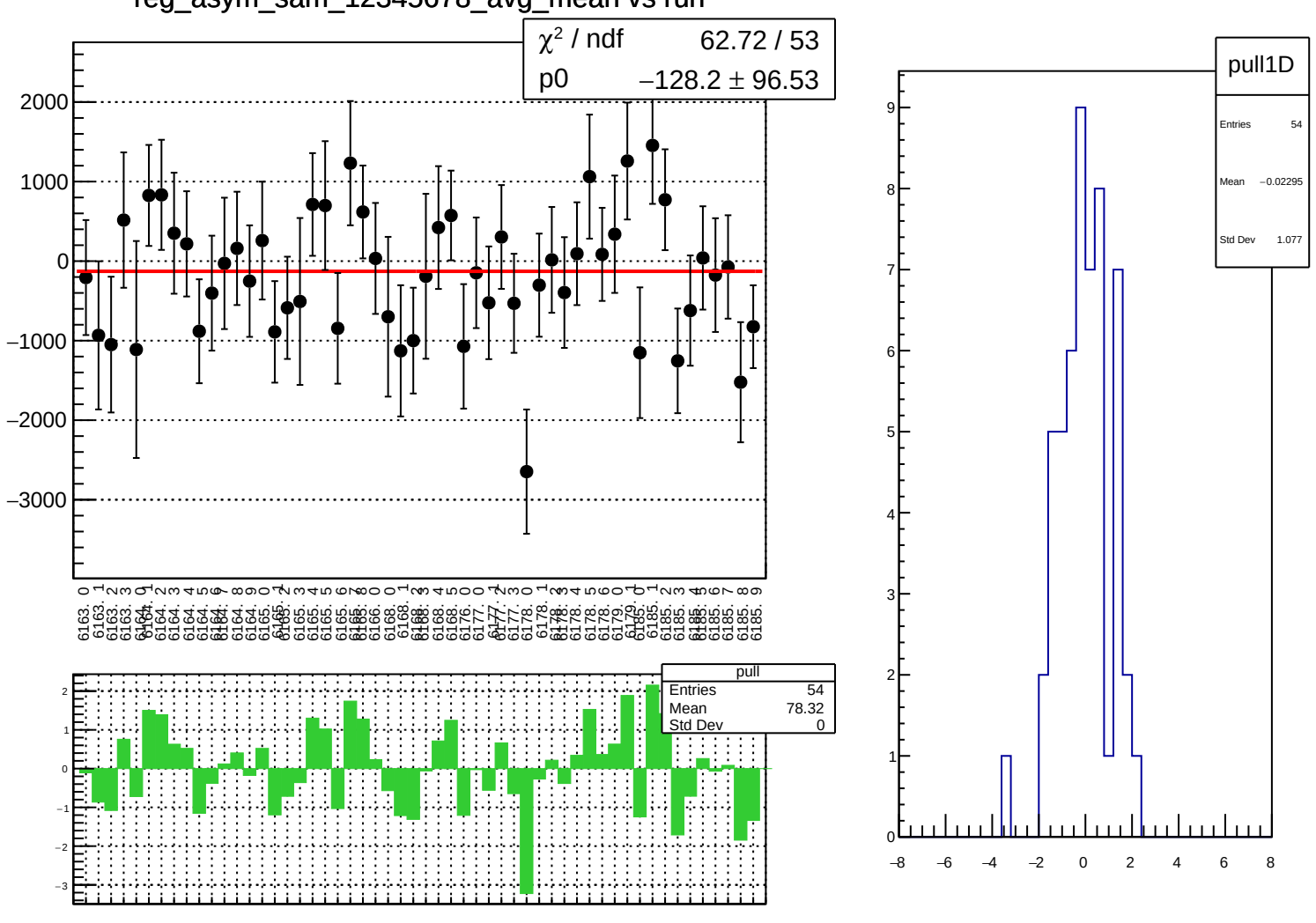

pull1D
Entries 54
Mean −0.08844
Std Dev 0.9655

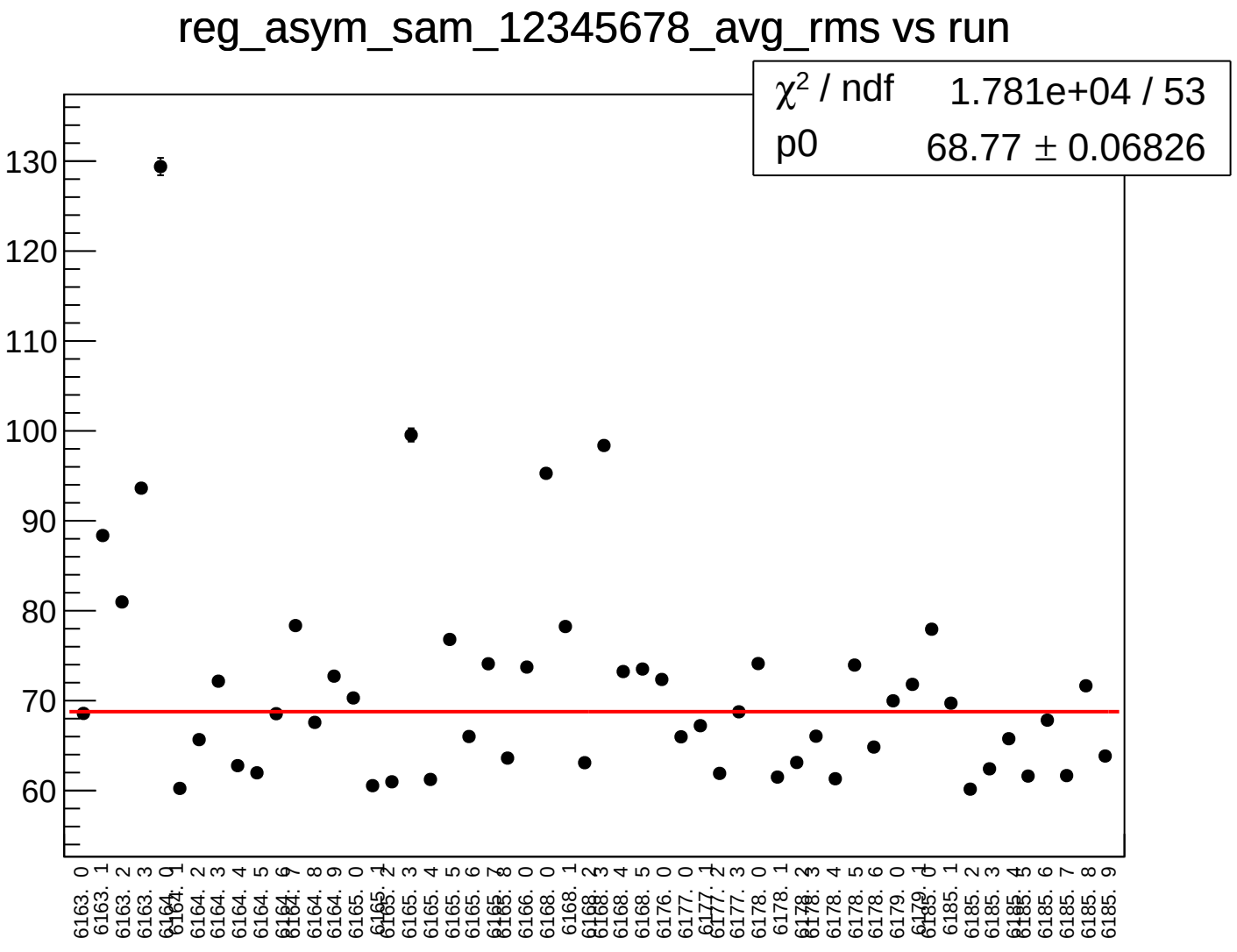

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.89e+05 / 53
p0 18.43 ± 0.02006
50
45
40
35
30
25
20
15
10
5
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

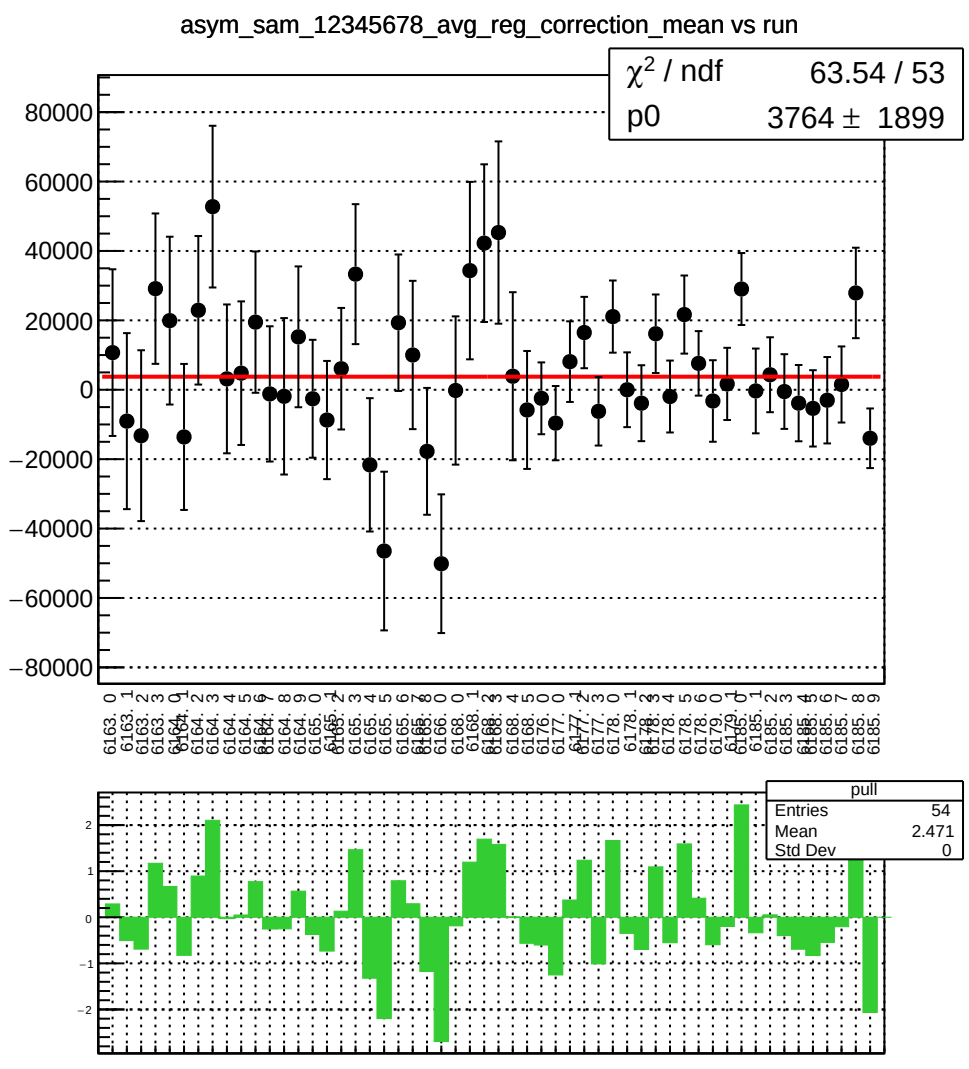

asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 54.11 / 53
p0 1.25e−14 ± 2.508e−14
pull
Entries 54
Mean 128.4
Std Dev 0

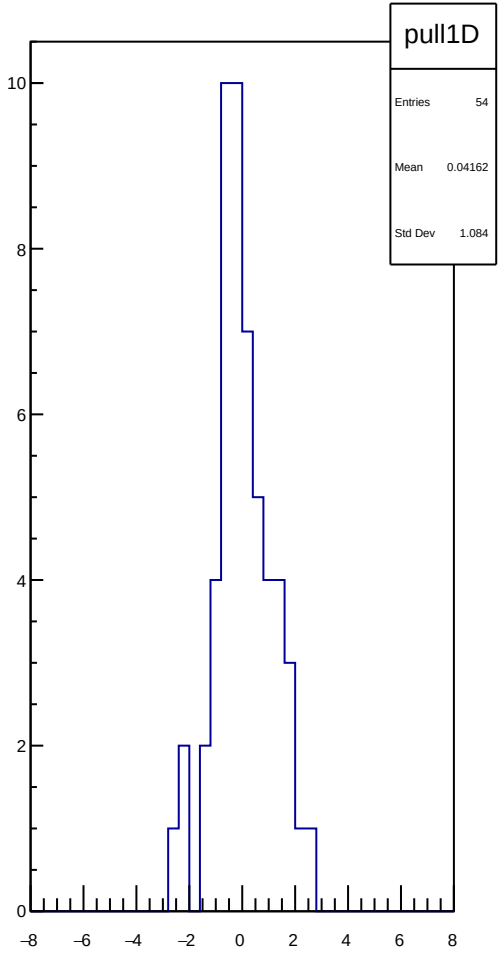

pull1D
Entries 54
Mean 0.05513
Std Dev 0.9995

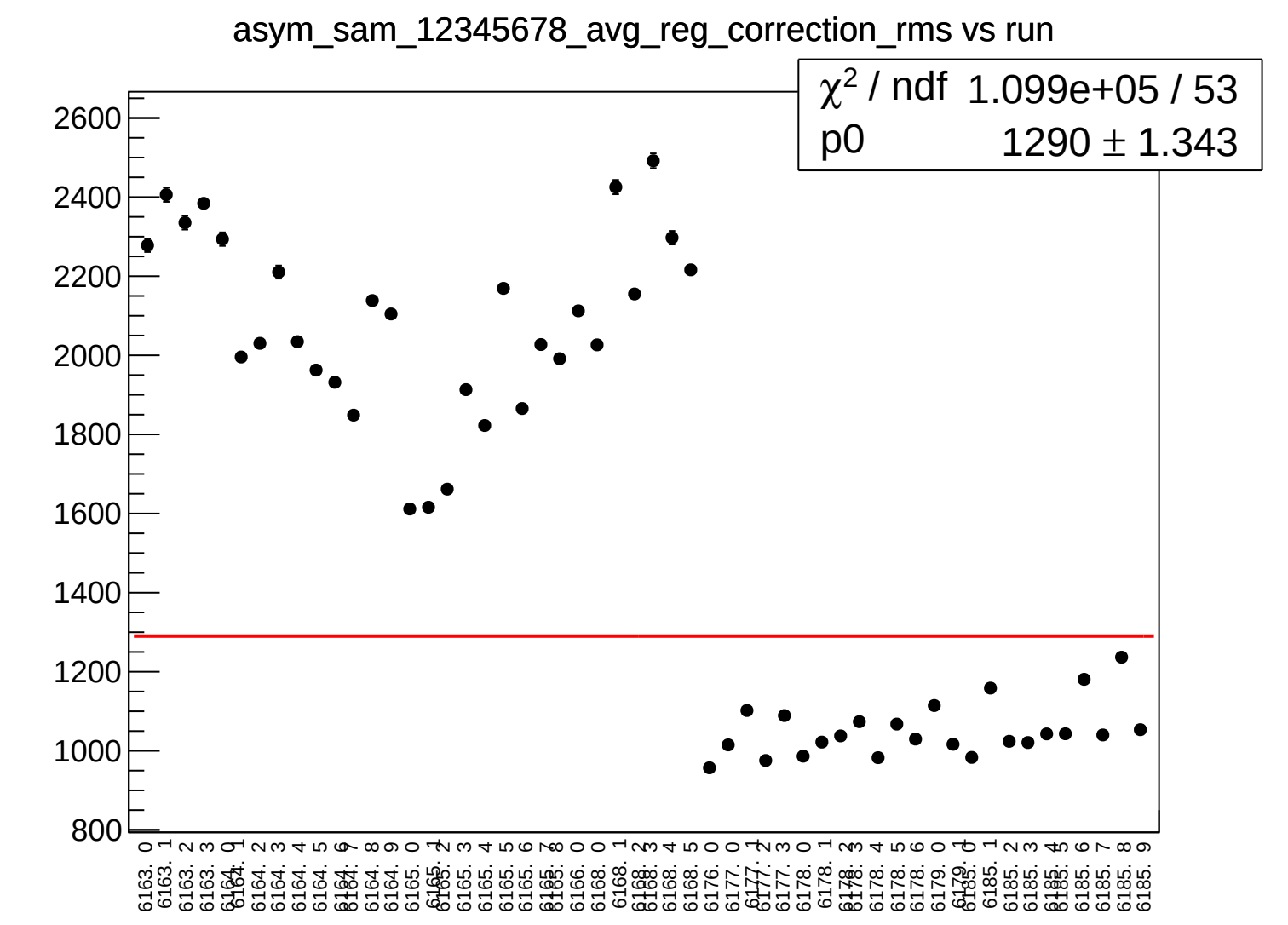

asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
0.3
0.25
0.2
0.15
0.1
0.05
χ² / ndf 6.987e+05 / 53
p0 1.025e−11 ± 1.773e−14
6163. 0
6163. 1
6163. 2
6163. 3
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

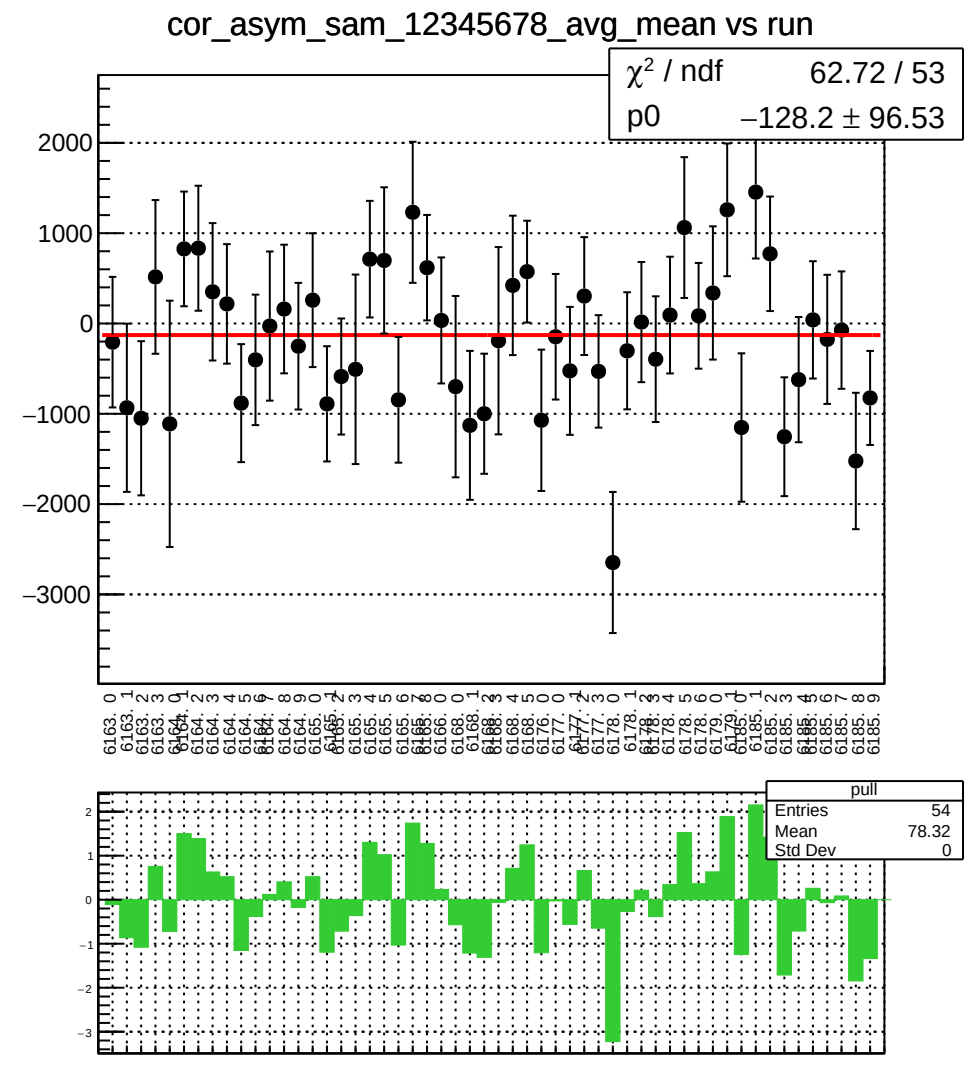

reg_asym_sam_12345678_avg_mean vs run
χ² / ndf 62.72 / 53
p0 −128.2 ± 96.53
pull
Entries 54
Mean 78.32
Std Dev 0
pull1D
Entries 54
Mean −0.02295
Std Dev 1.077

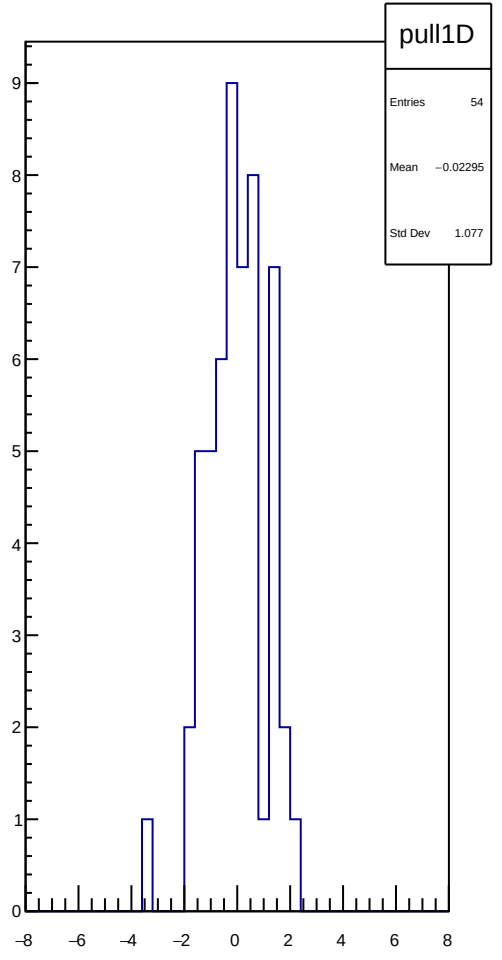

reg_asym_sam_12345678_avg_rms vs run
χ² / ndf 1.781e+04 / 53
p0 68.77 ± 0.06826
130
120
110
100
90
80
70
60
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

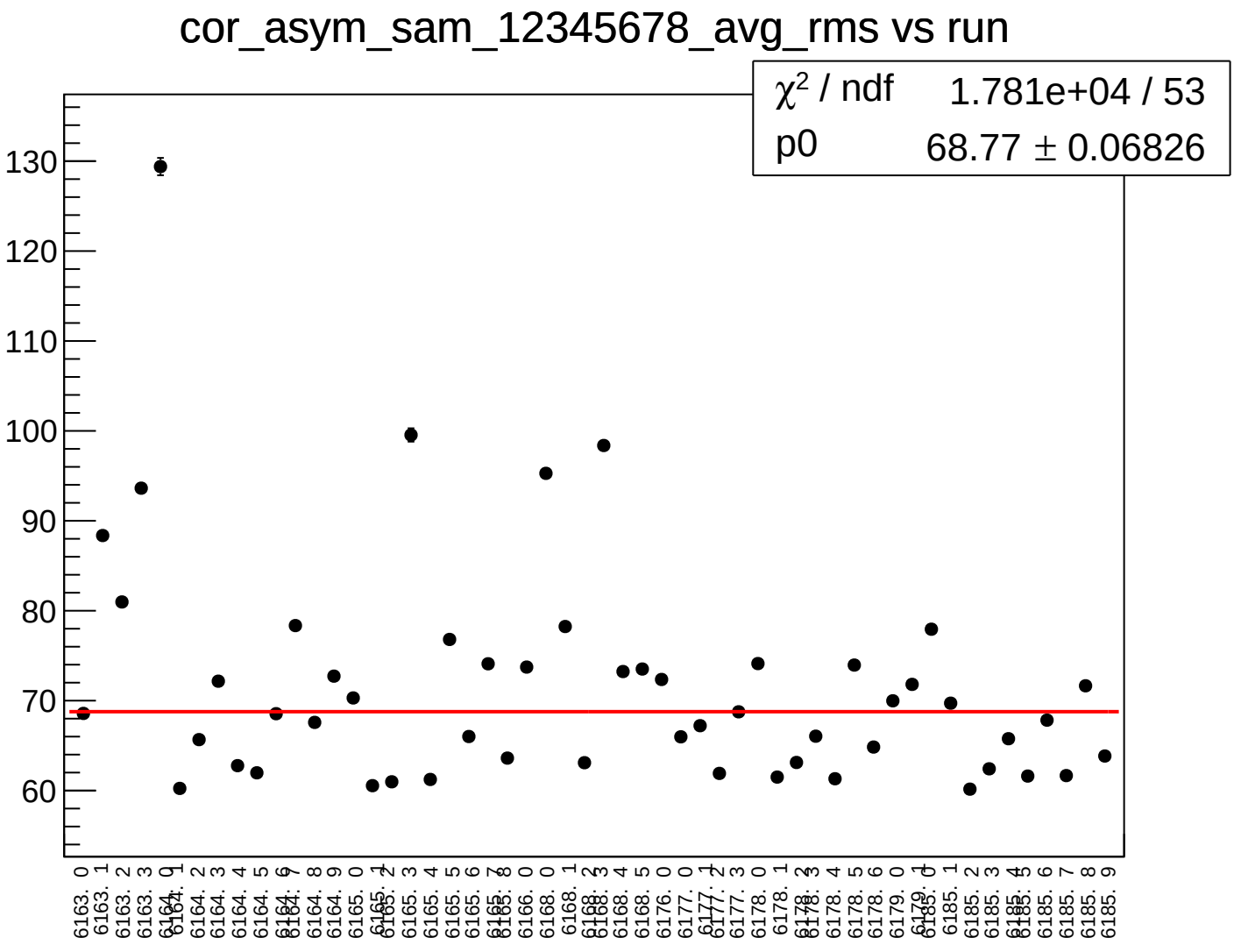

asym_sam_12345678_avg_reg_correction_mean vs run
χ² / ndf 63.54 / 53
p0 3764 ± 1899
pull
Entries 54
Mean 2.471
Std Dev 0

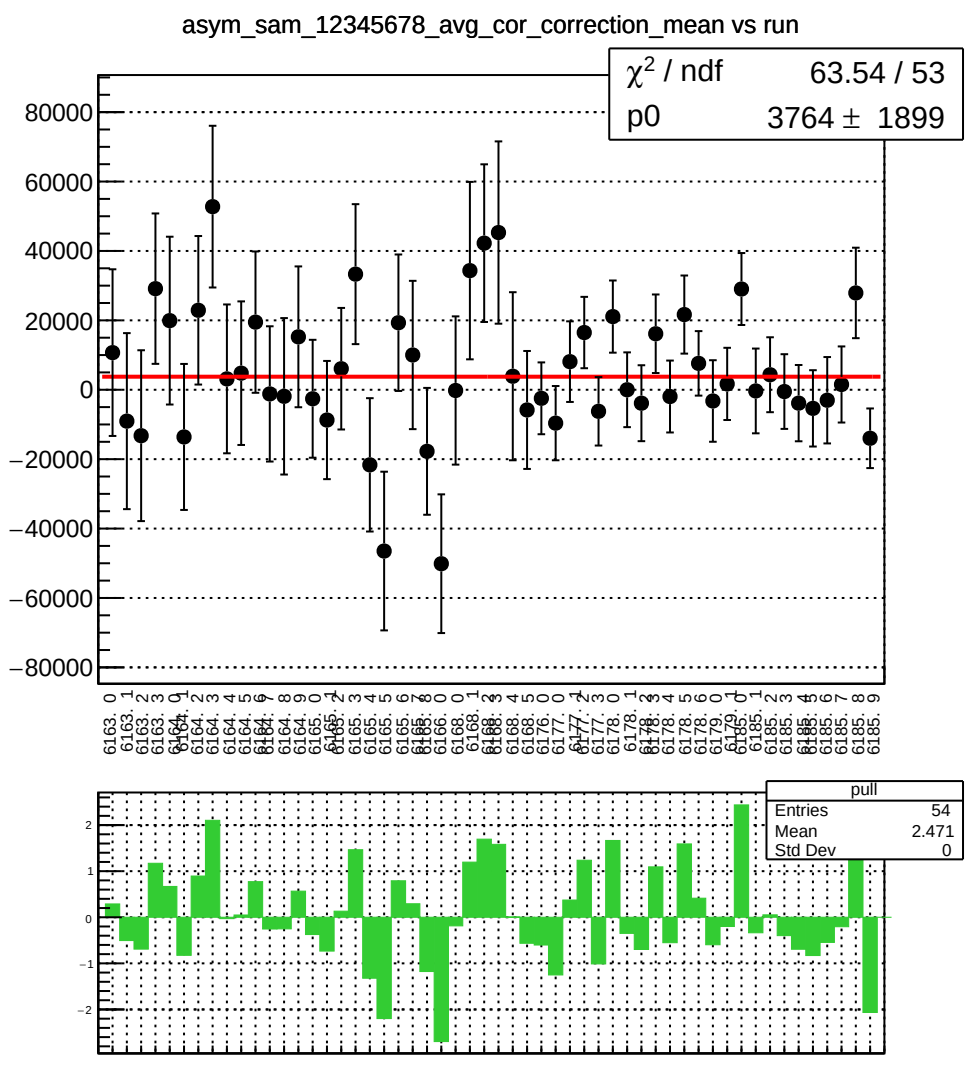

pull1D
Entries 54
Mean 0.04162
Std Dev 1.084

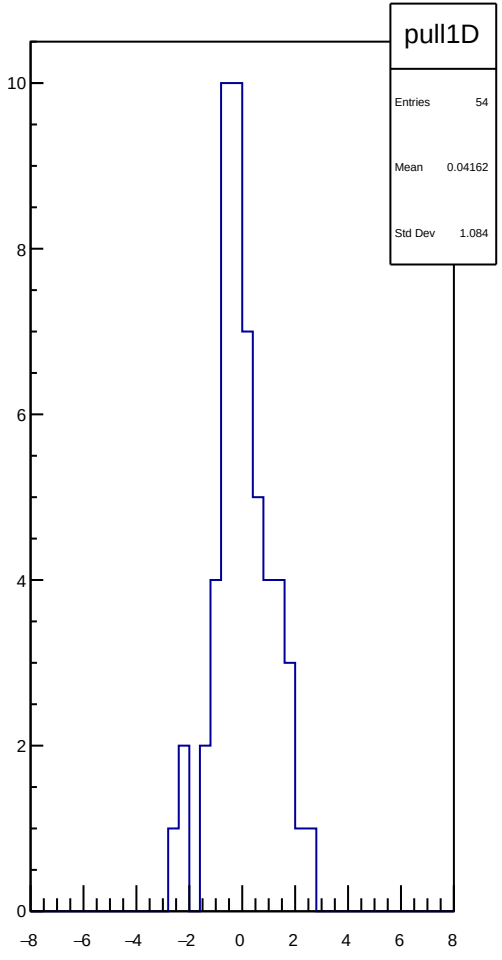

asym_sam_12345678_avg_reg_correction_rms vs run
χ² / ndf 1.099e+05 / 53
p0 1290 ± 1.343
2600
2400
2200
2000
1800
1600
1400
1200
1000
800
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

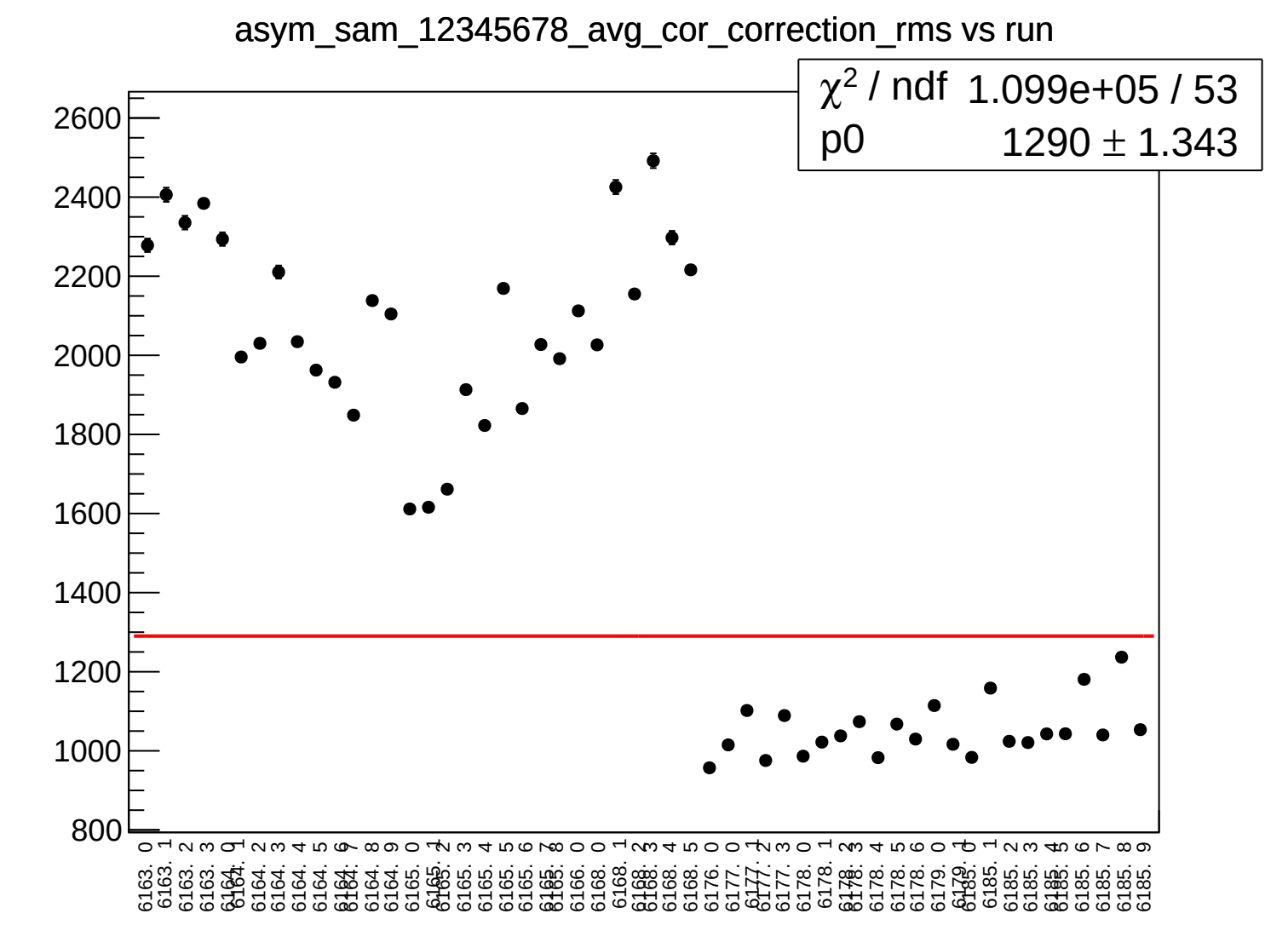

cor_asym_sam_12345678_avg_mean vs run
χ² / ndf 62.72 / 53
p0 −128.2 ± 96.53
2000
1000
0
−1000
−2000
−3000
pull
Entries 54
Mean 78.32
Std Dev 0


pull1D
Entries 54
Mean −0.02295
Std Dev 1.077
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_sam_12345678_avg_rms vs run
χ² / ndf 1.781e+04 / 53
p0 68.77 ± 0.06826
130
120
110
100
90
80
70
60
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9


asym_sam_12345678_avg_cor_correction_mean vs run
χ² / ndf 63.54 / 53
p0 3764 ± 1899
pull
Entries 54
Mean 2.471
Std Dev 0


pull1D
Entries 54
Mean 0.04162
Std Dev 1.084


asym_sam_12345678_avg_cor_correction_rms vs run
χ² / ndf 1.099e+05 / 53
p0 1290 ± 1.343
2600
2400
2200
2000
1800
1600
1400
1200
1000
800
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
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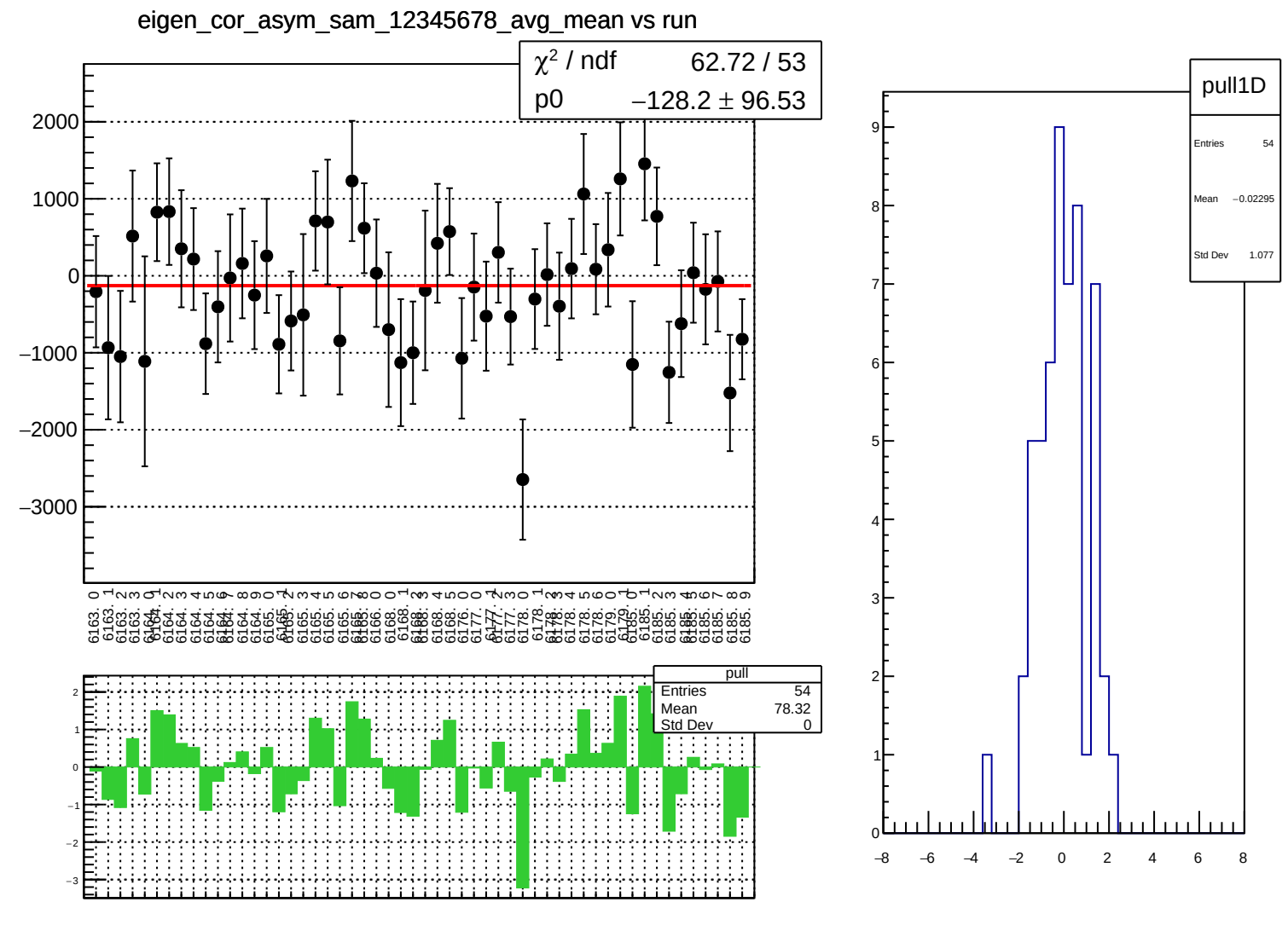
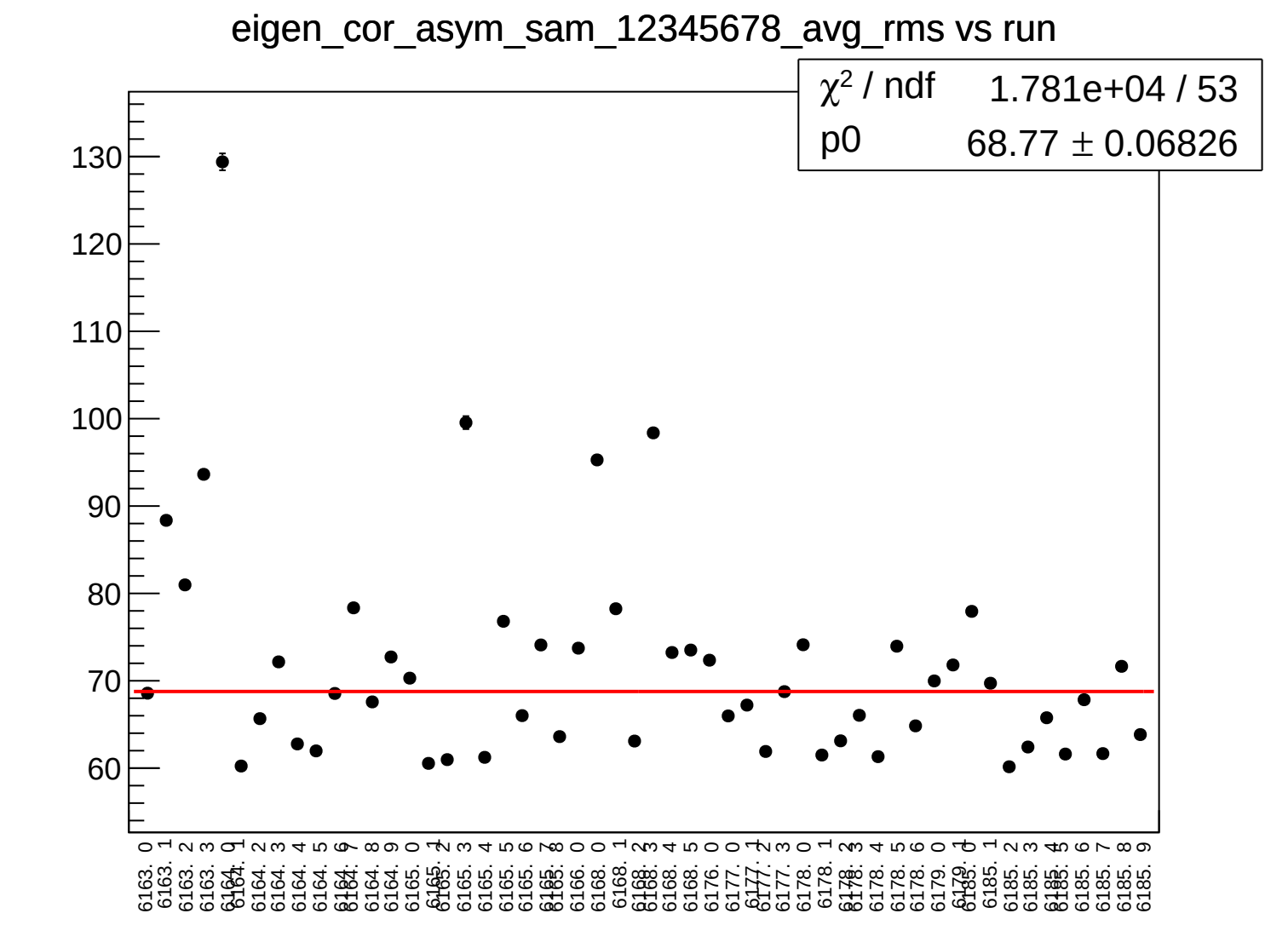
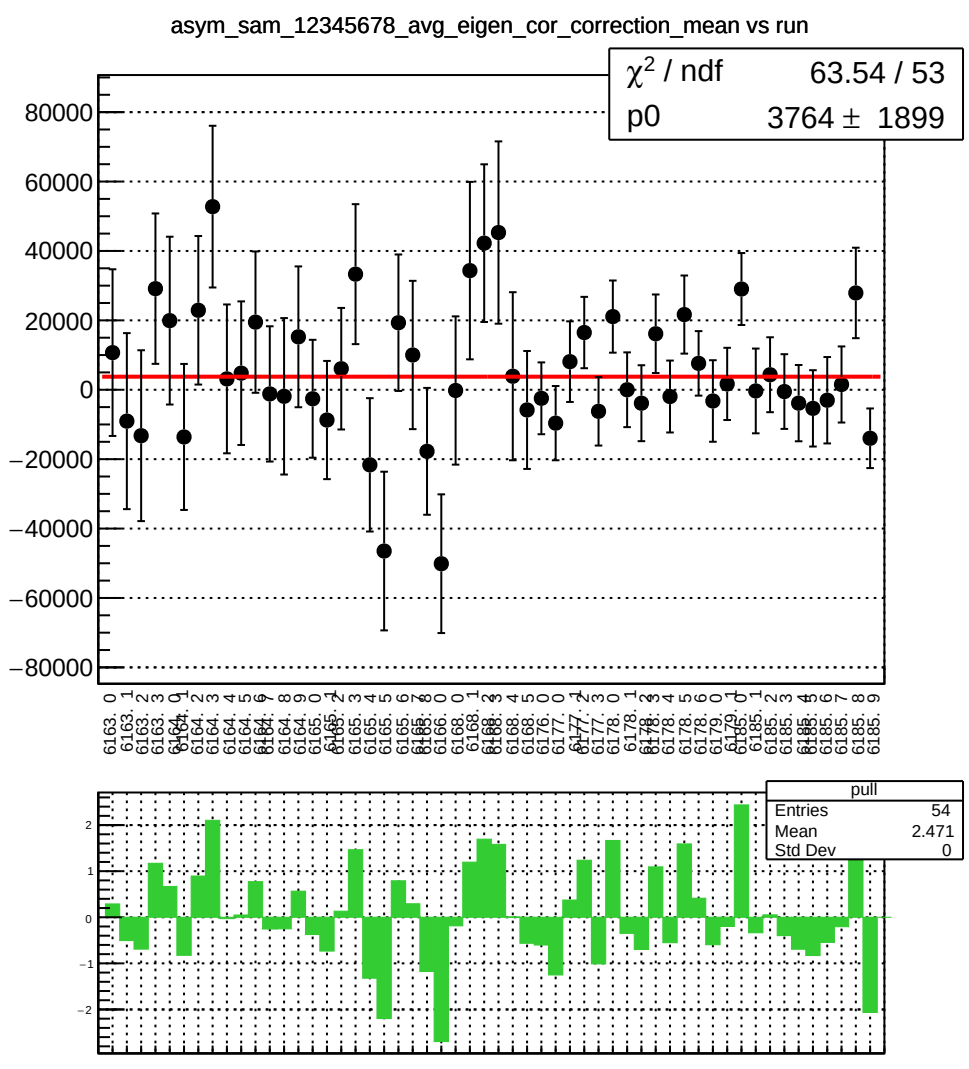
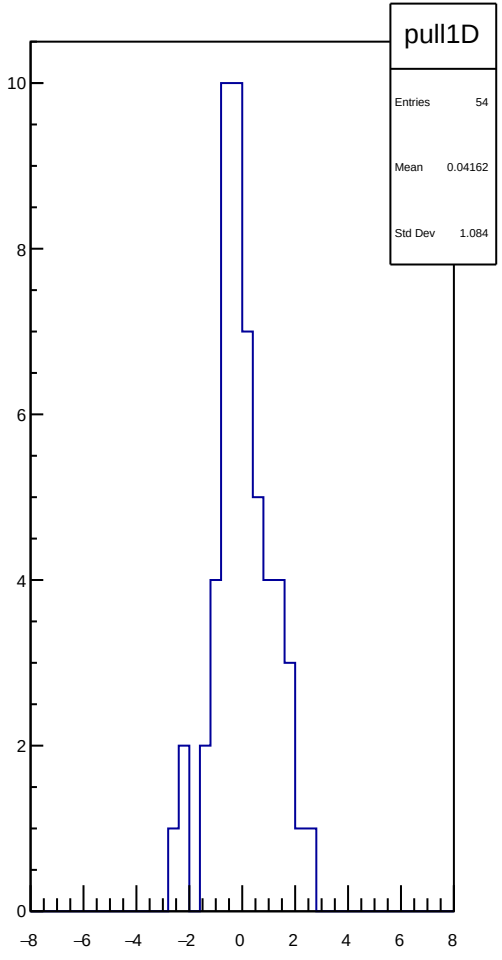
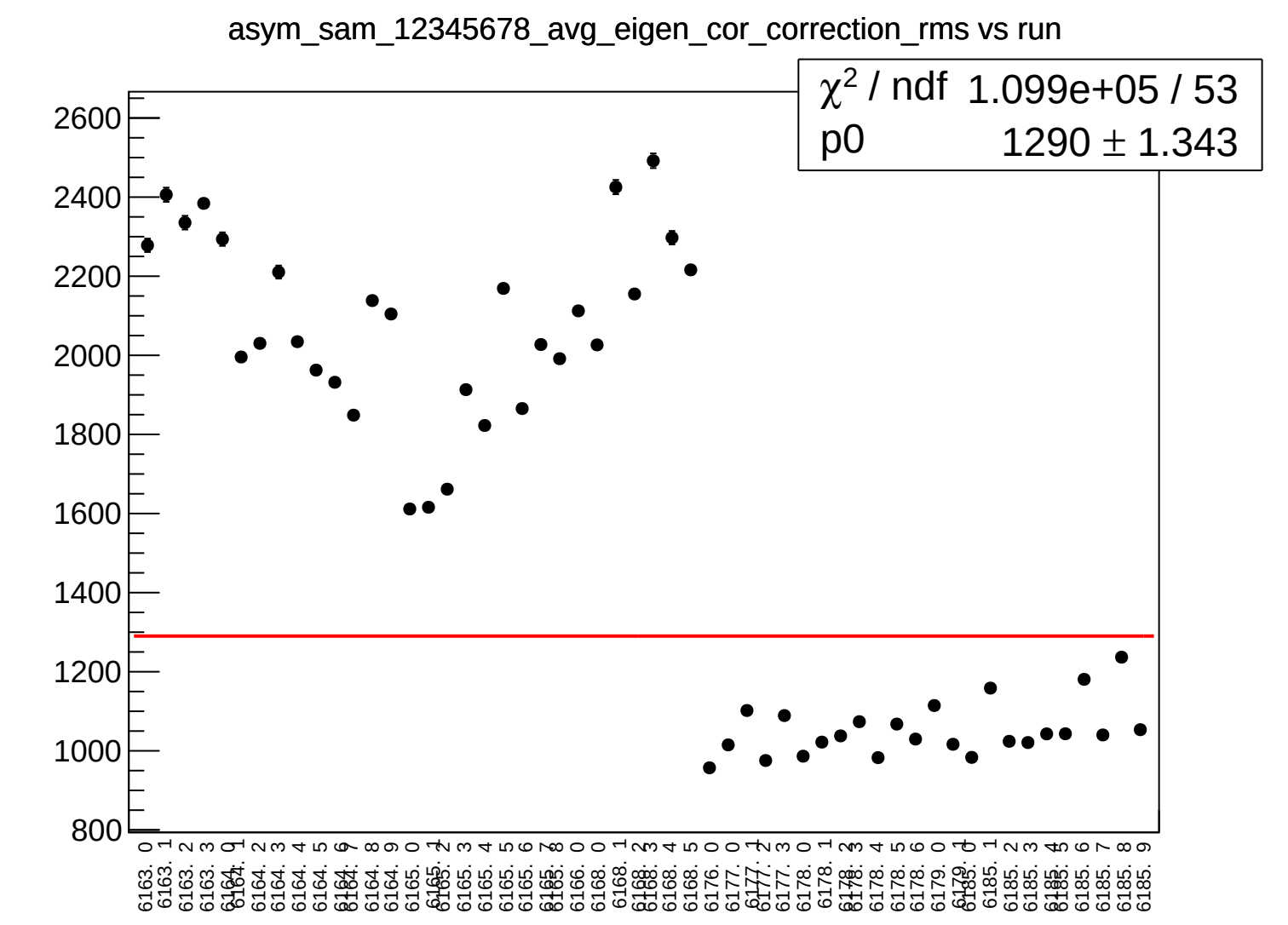
6185. 8
6185. 9

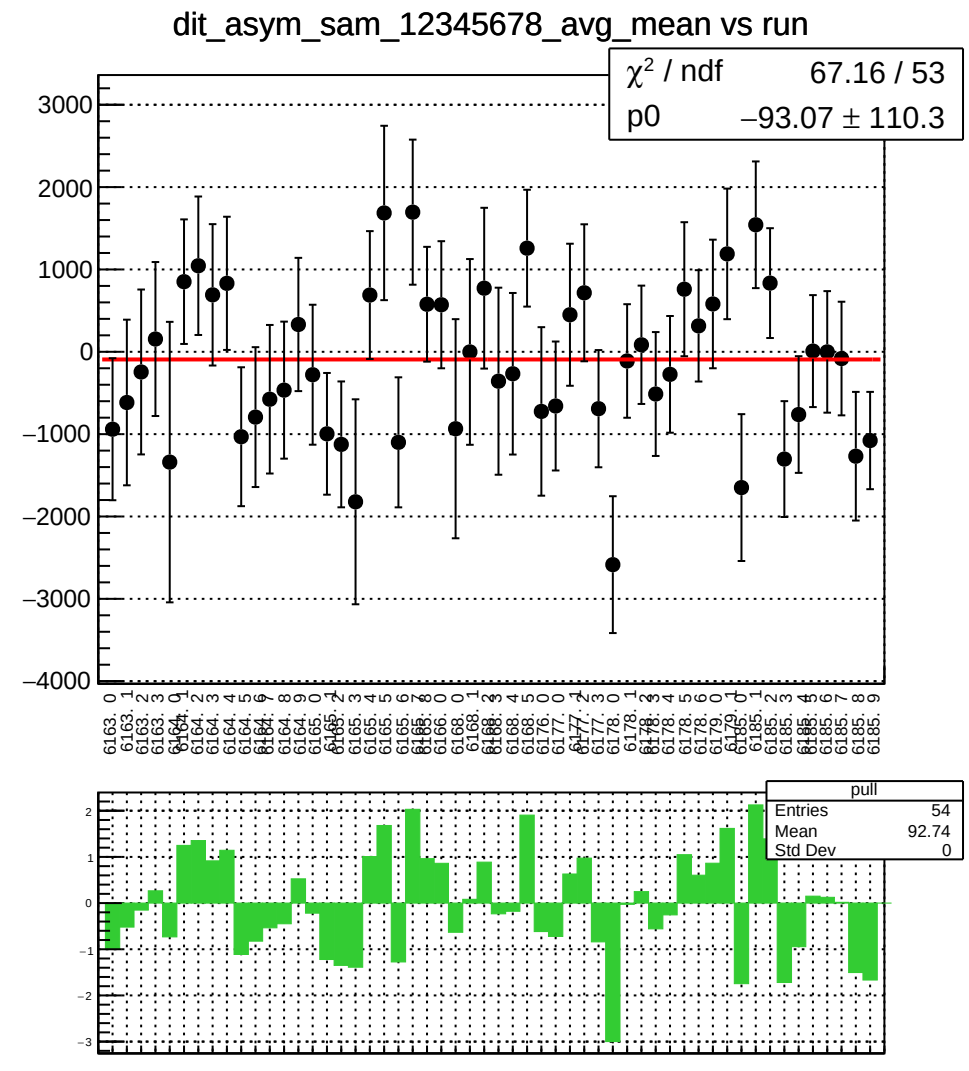

eigen_cor_asym_sam_12345678_avg_mean vs run
χ² / ndf 62.72 / 53
p0 −128.2 ± 96.53
2000
1000
0
−1000
−2000
−3000
pull
Entries 54
Mean 78.32
Std Dev 0
pull1D
Entries 54
Mean −0.02295
Std Dev 1.077
−8
−6
−4
−2
0
2
4
6
8

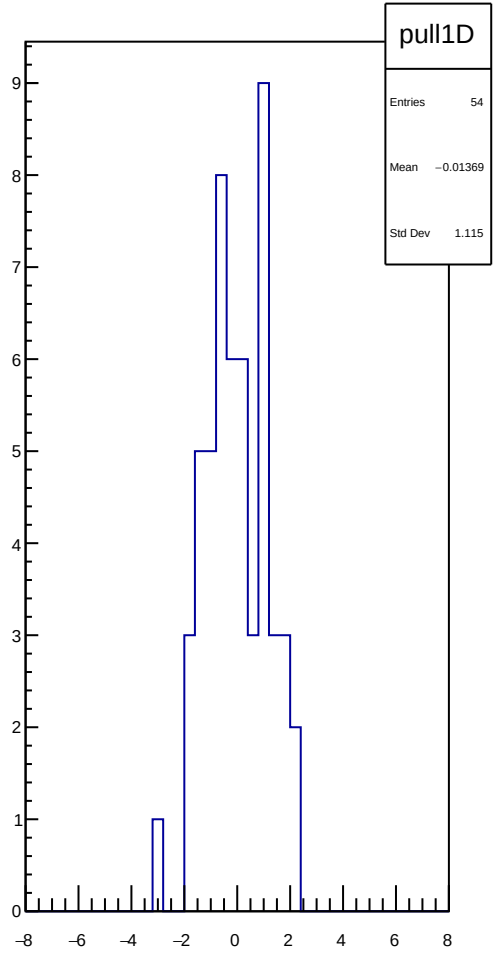

eigen_cor_asym_sam_12345678_avg_rms vs run
χ^2 / ndf 1.781e+04 / 53
p0 68.77 ± 0.06826
130
120
110
100
90
80
70
60
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

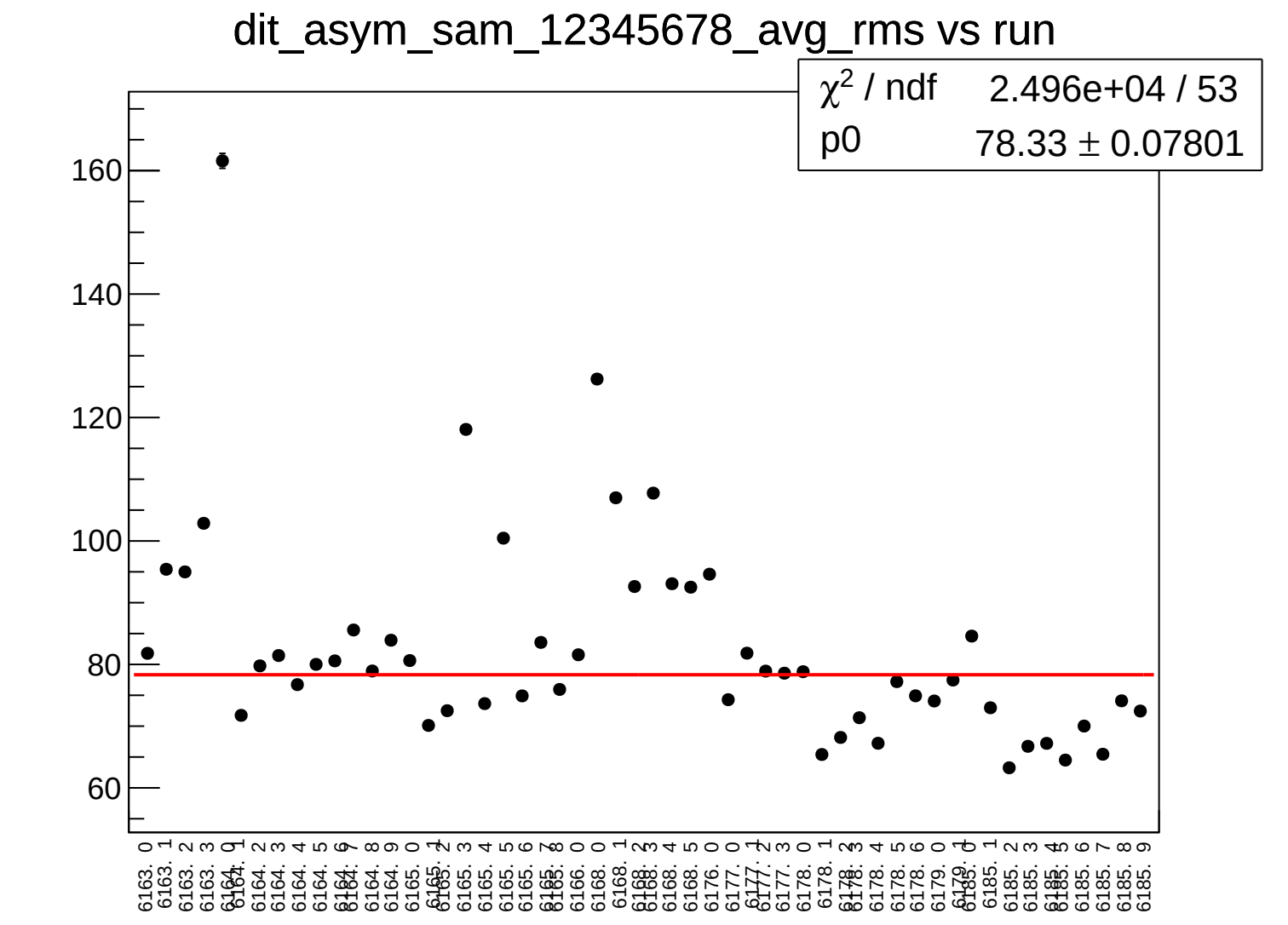

asym_sam_12345678_avg_eigen_cor_correction_mean vs run
χ² / ndf 63.54 / 53
p0 3764 ± 1899
pull
Entries 54
Mean 2.471
Std Dev 0

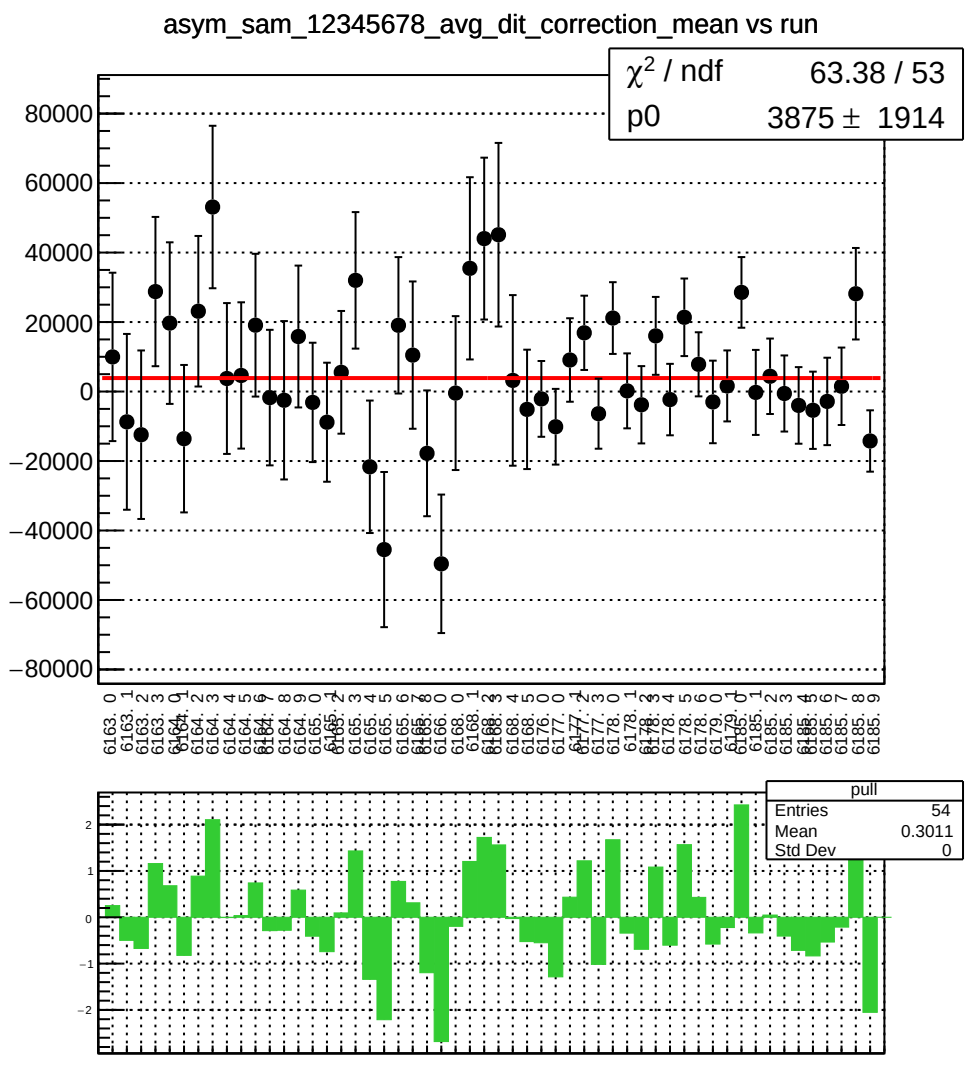

pull1D
Entries 54
Mean 0.04162
Std Dev 1.084

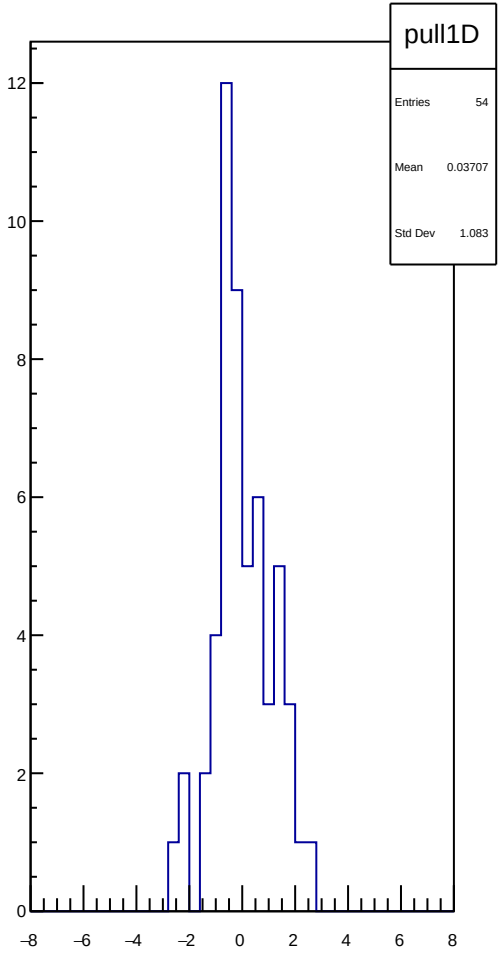

asym_sam_12345678_avg_eigen_cor_correction_rms vs run
χ² / ndf 1.099e+05 / 53
p0 1290 ± 1.343
2600
2400
2200
2000
1800
1600
1400
1200
1000
800
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

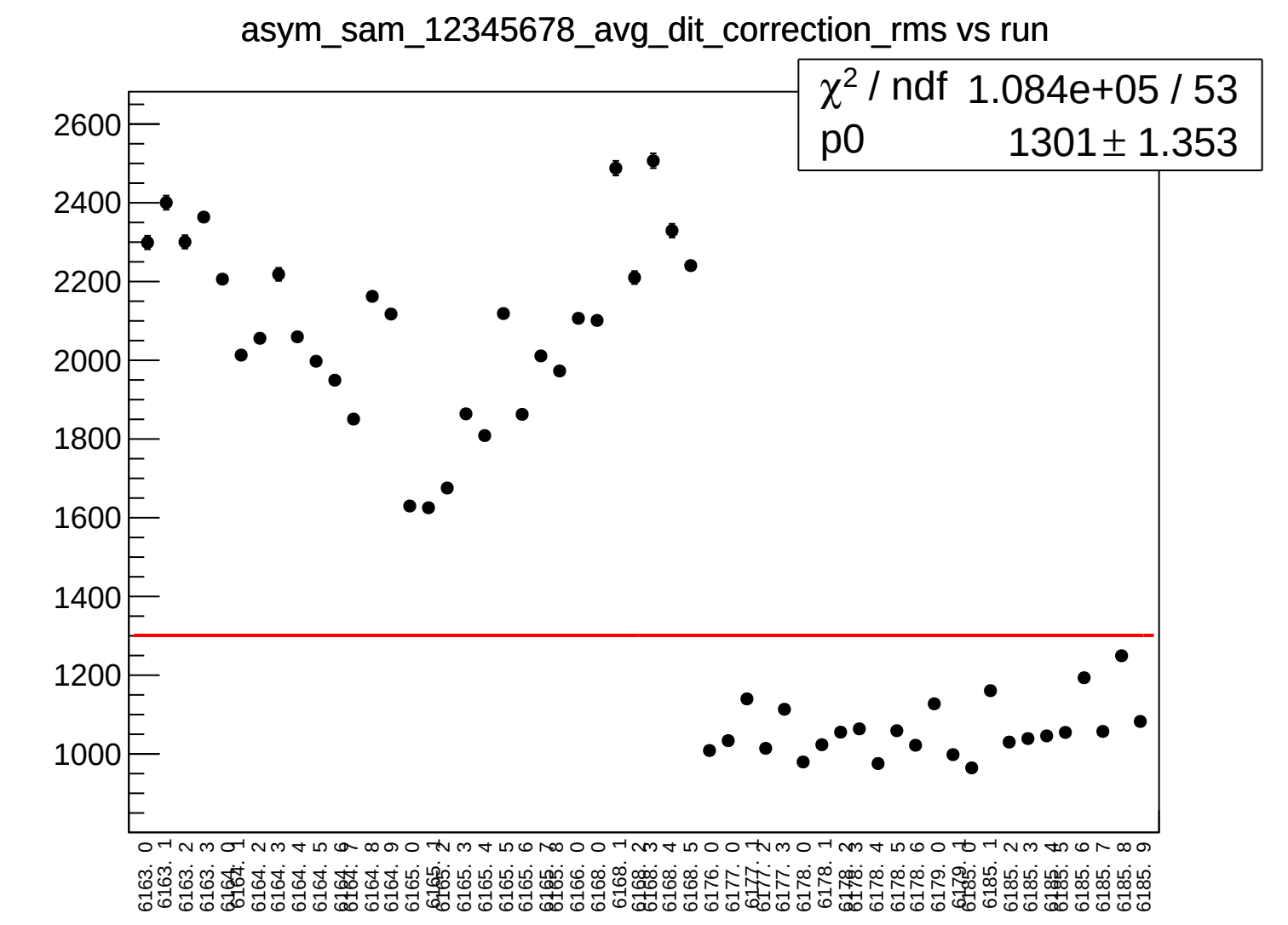

dit_asym_sam_12345678_avg_mean vs run
χ² / ndf 67.16 / 53
p0 −93.07 ± 110.3
pull
Entries 54
Mean 92.74
Std Dev 0

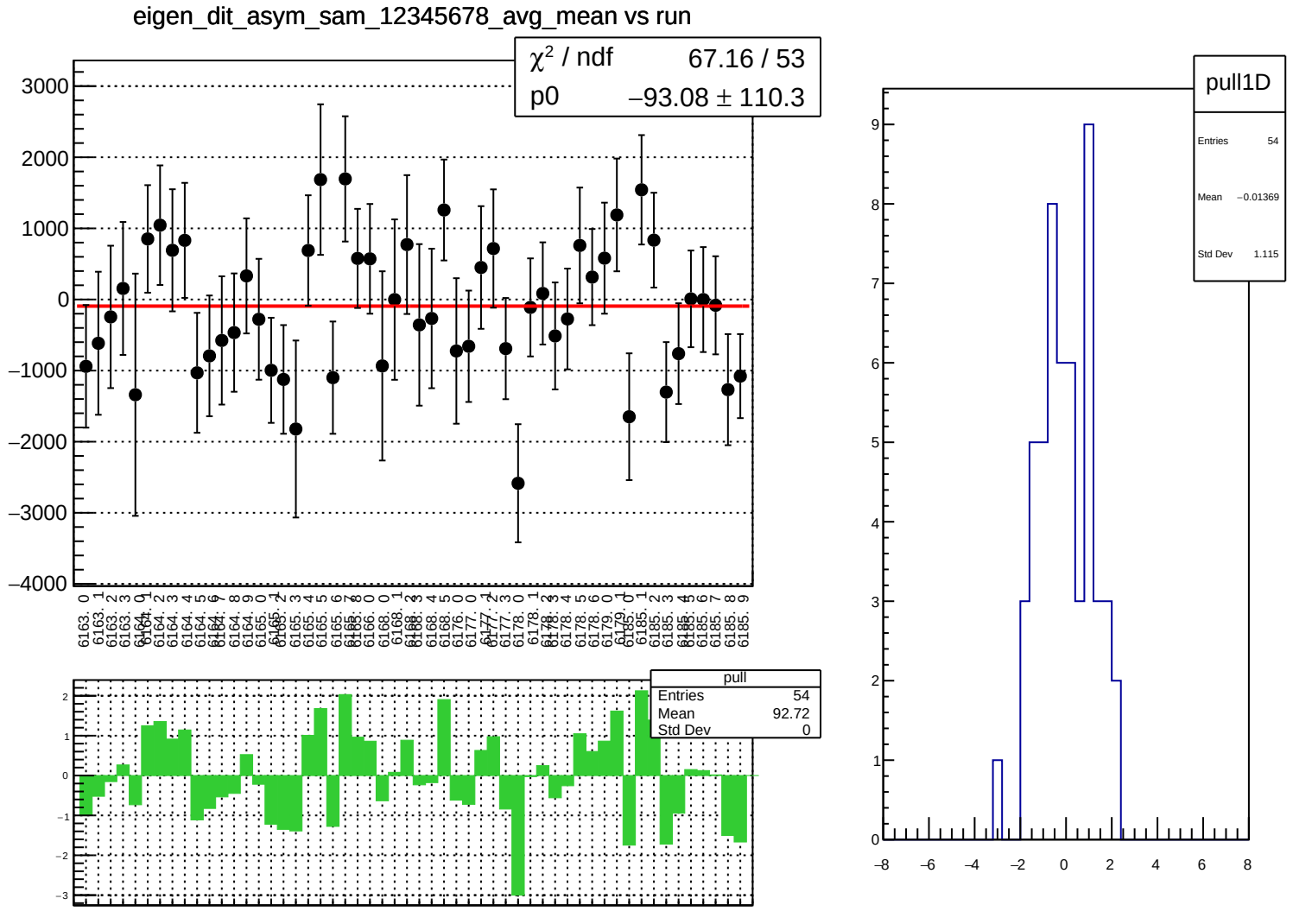

pull1D
Entries 54
Mean −0.01369
Std Dev 1.115

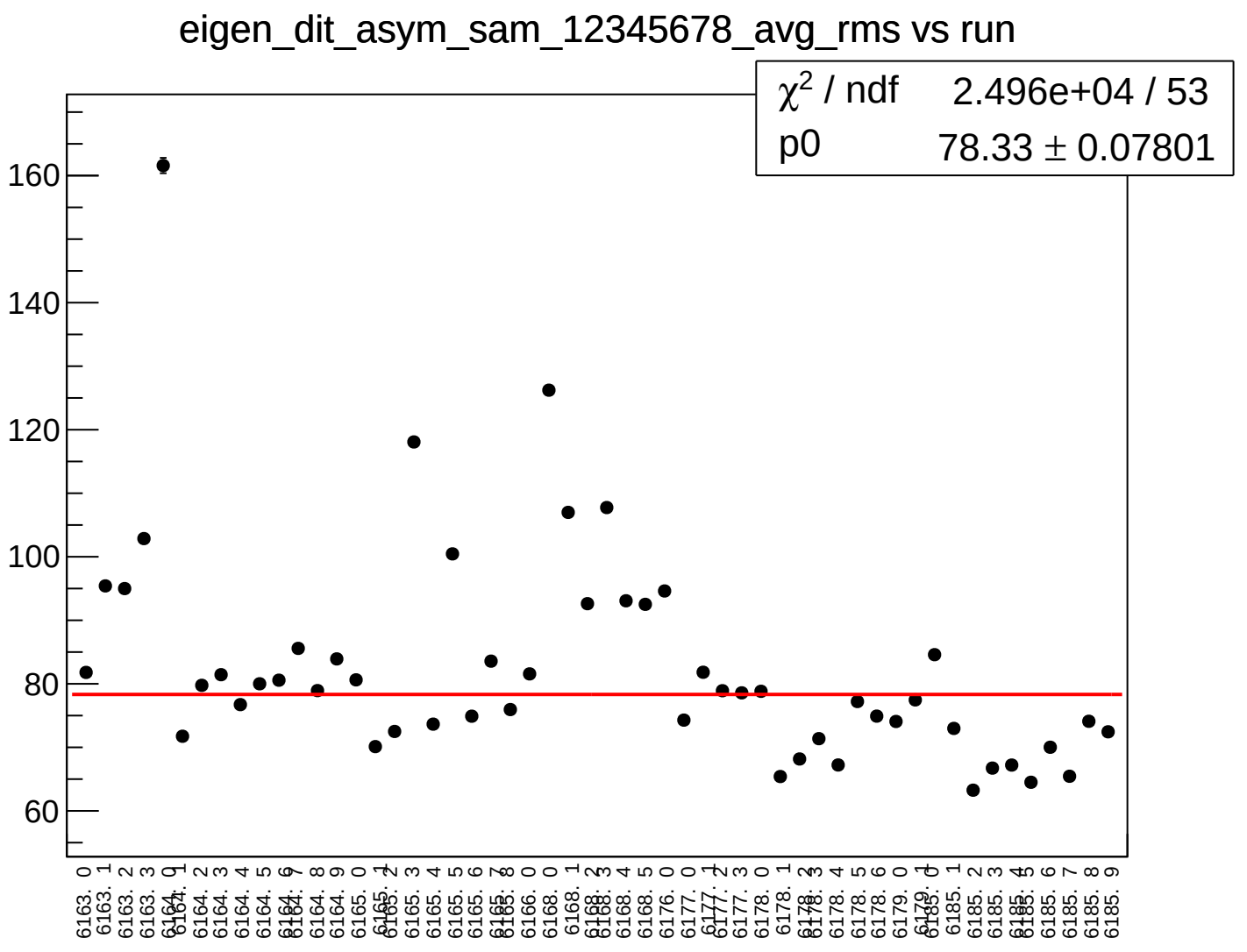

dit_asym_sam_12345678_avg_rms vs run
χ² / ndf 2.496e+04 / 53
p0 78.33 ± 0.07801
160
140
120
100
80
60
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

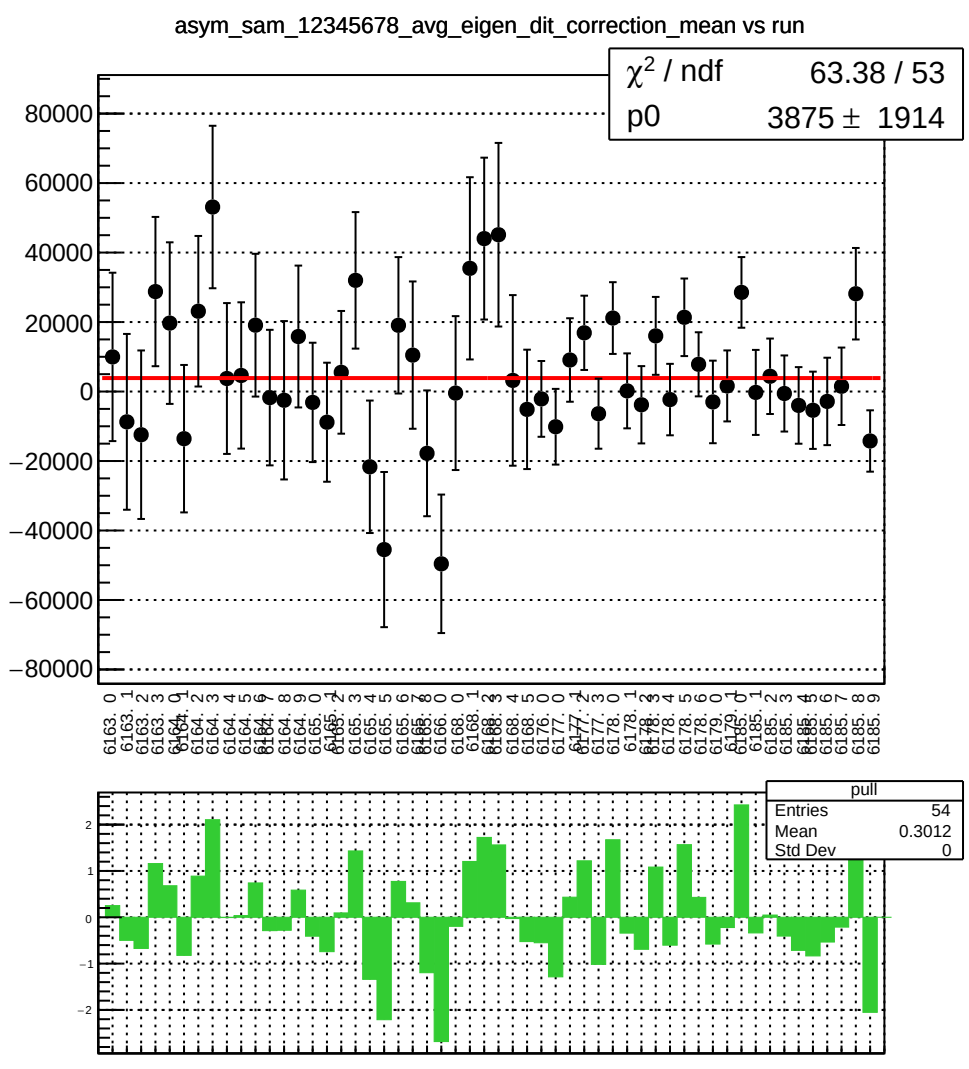

asym_sam_12345678_avg_dit_correction_mean vs run
χ² / ndf 63.38 / 53
p0 3875 ± 1914
pull
Entries 54
Mean 0.3011
Std Dev 0

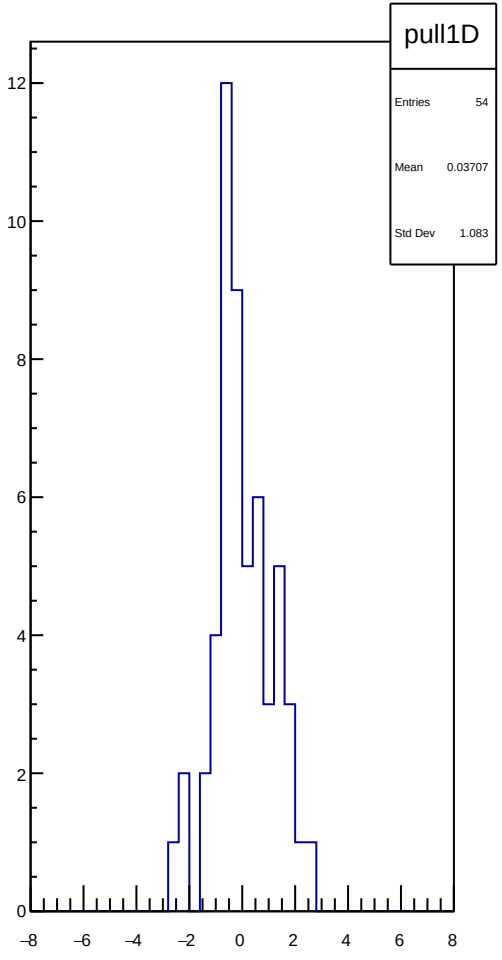

pull1D
Entries 54
Mean 0.03707
Std Dev 1.083

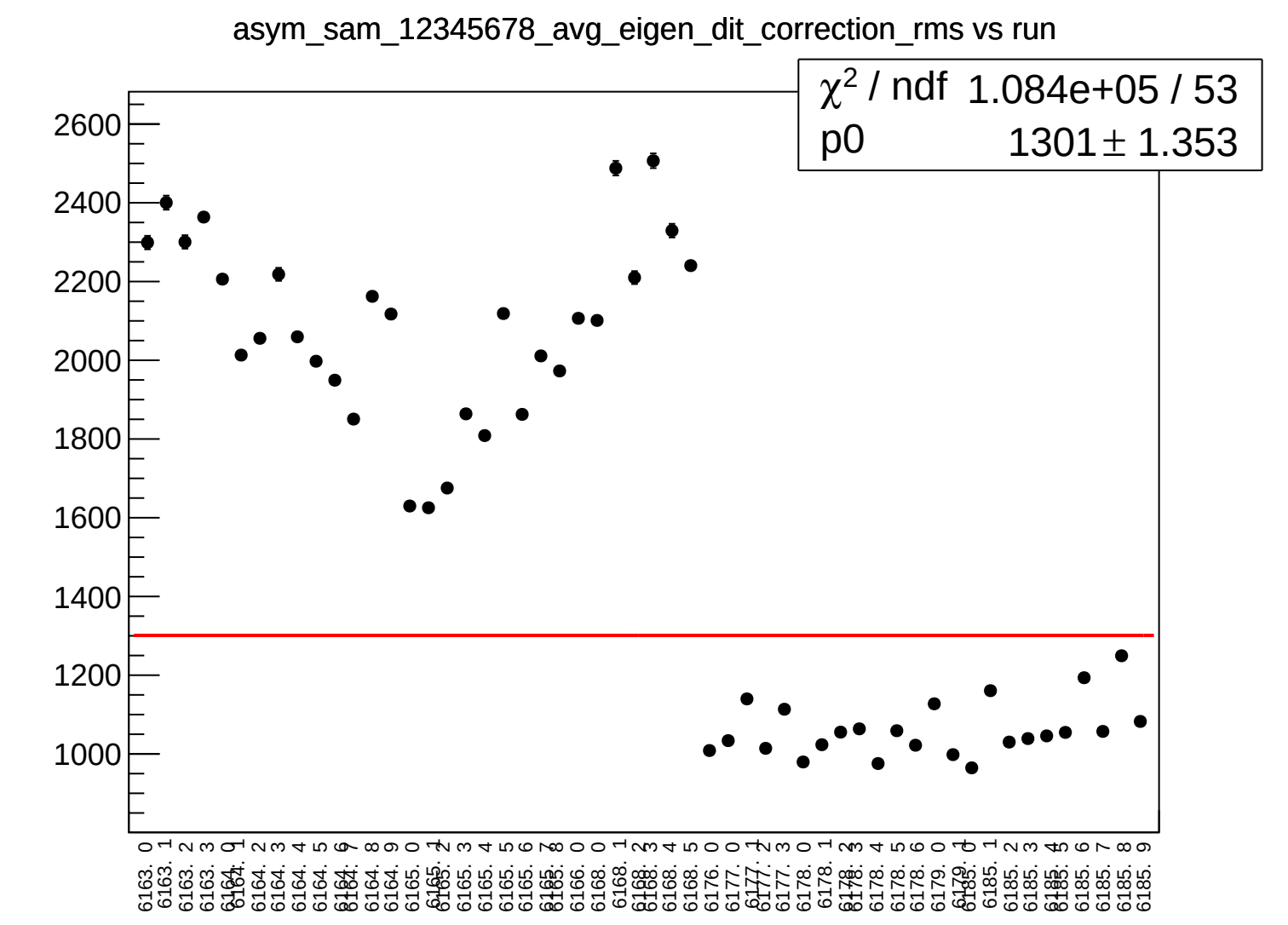

asym_sam_12345678_avg_dit_correction_rms vs run
χ² / ndf 1.084e+05 / 53
p0 1301 ± 1.353
2600
2400
2200
2000
1800
1600
1400
1200
1000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

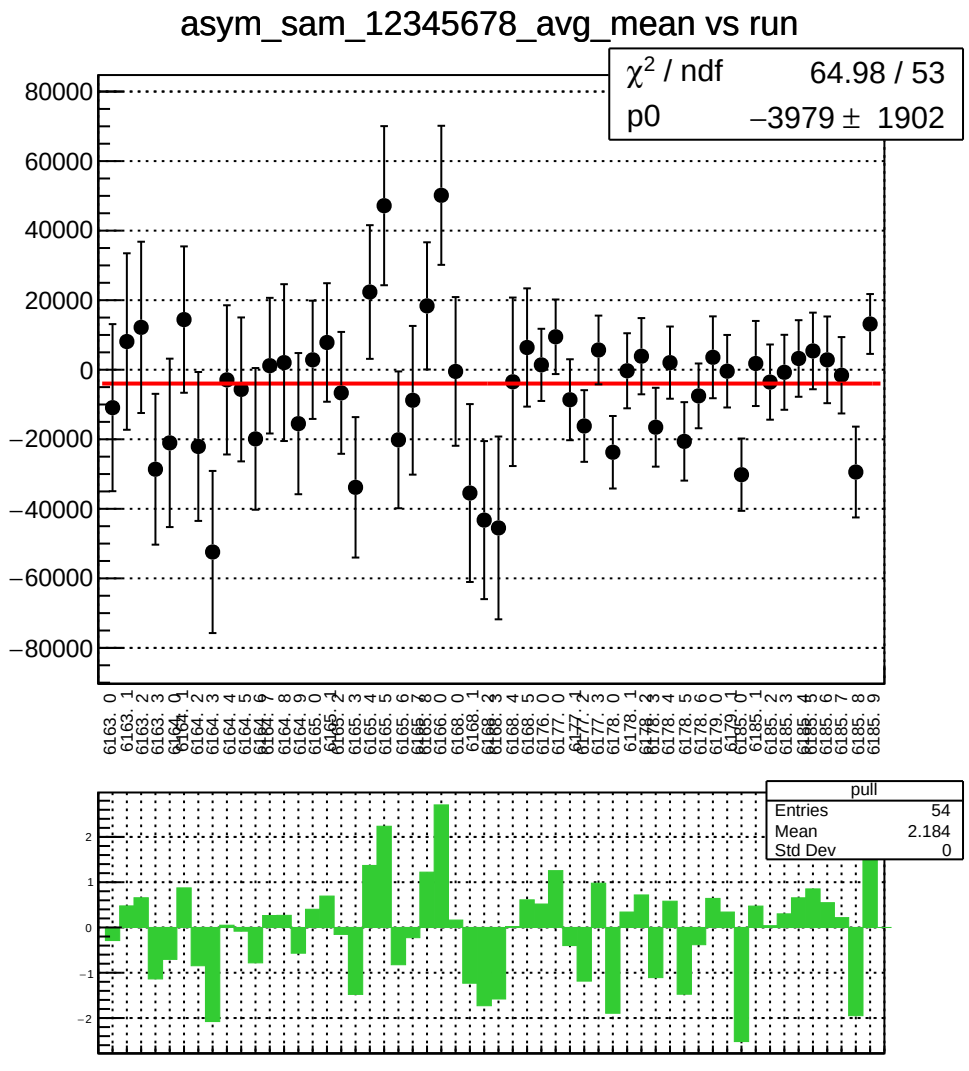

eigen_dit_asym_sam_12345678_avg_mean vs run
χ² / ndf 67.16 / 53
p0 −93.08 ± 110.3
pull
Entries 54
Mean 92.72
Std Dev 0
pull1D
Entries 54
Mean −0.01369
Std Dev 1.115

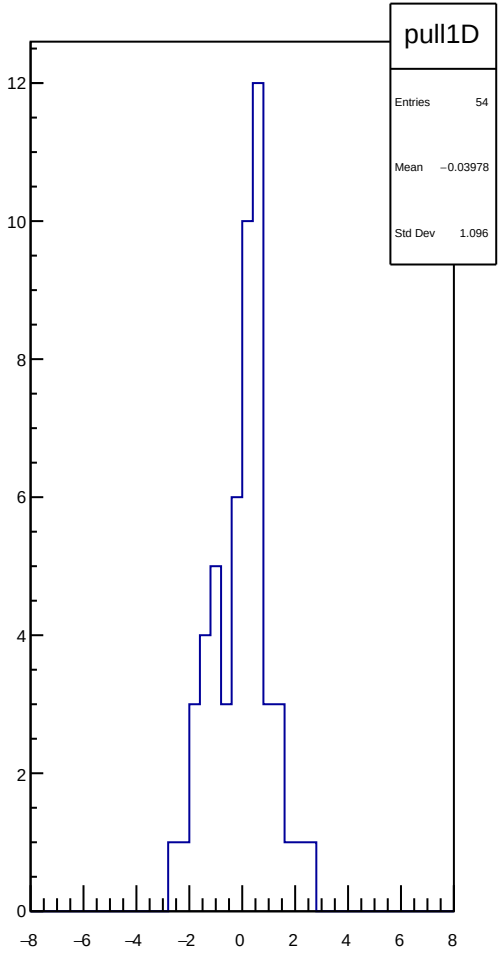

eigen_dit_asym_sam_12345678_avg_rms vs run
χ^2 / ndf 2.496e+04 / 53
p0 78.33 ± 0.07801
160
140
120
100
80
60
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

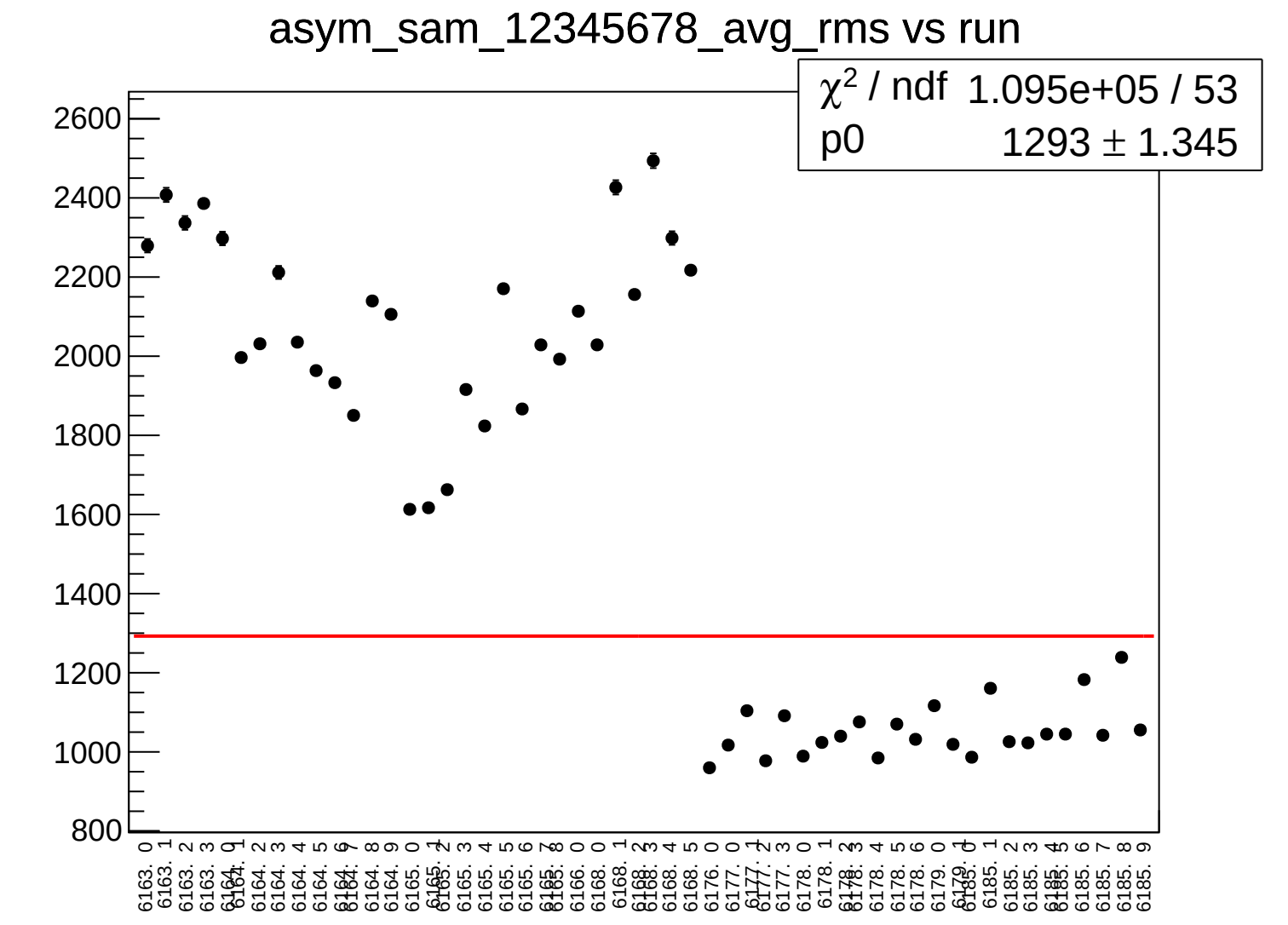

asym_sam_12345678_avg_eigen_dit_correction_mean vs run
χ² / ndf 63.38 / 53
p0 3875 ± 1914
pull
Entries 54
Mean 0.3012
Std Dev 0

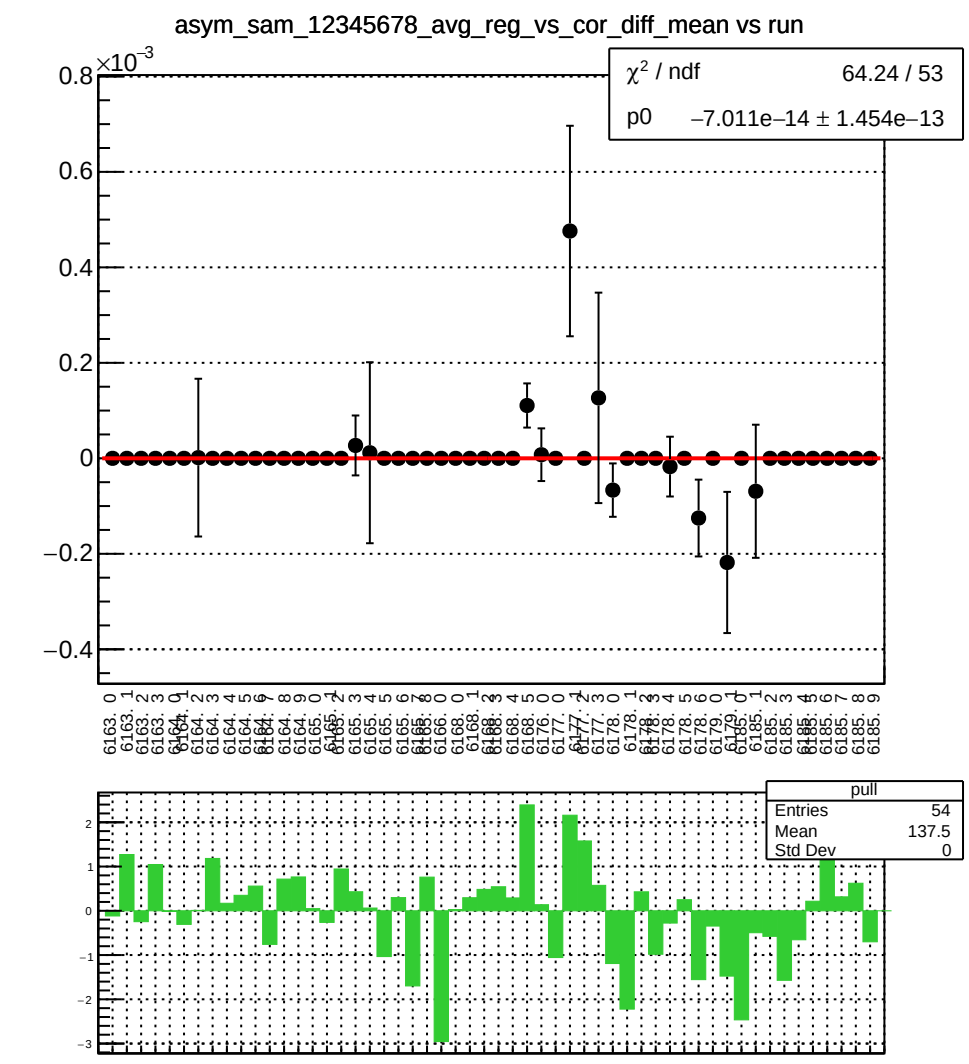

pull1D
Entries 54
Mean 0.03707
Std Dev 1.083

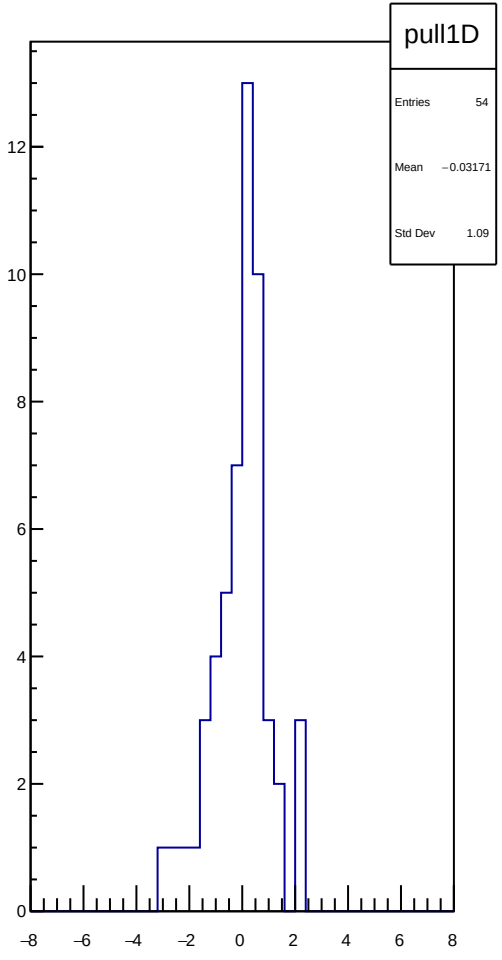

asym_sam_12345678_avg_eigen_dit_correction_rms vs run
χ^2 / ndf 1.084e+05 / 53
p0 1301 ± 1.353
2600
2400
2200
2000
1800
1600
1400
1200
1000
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

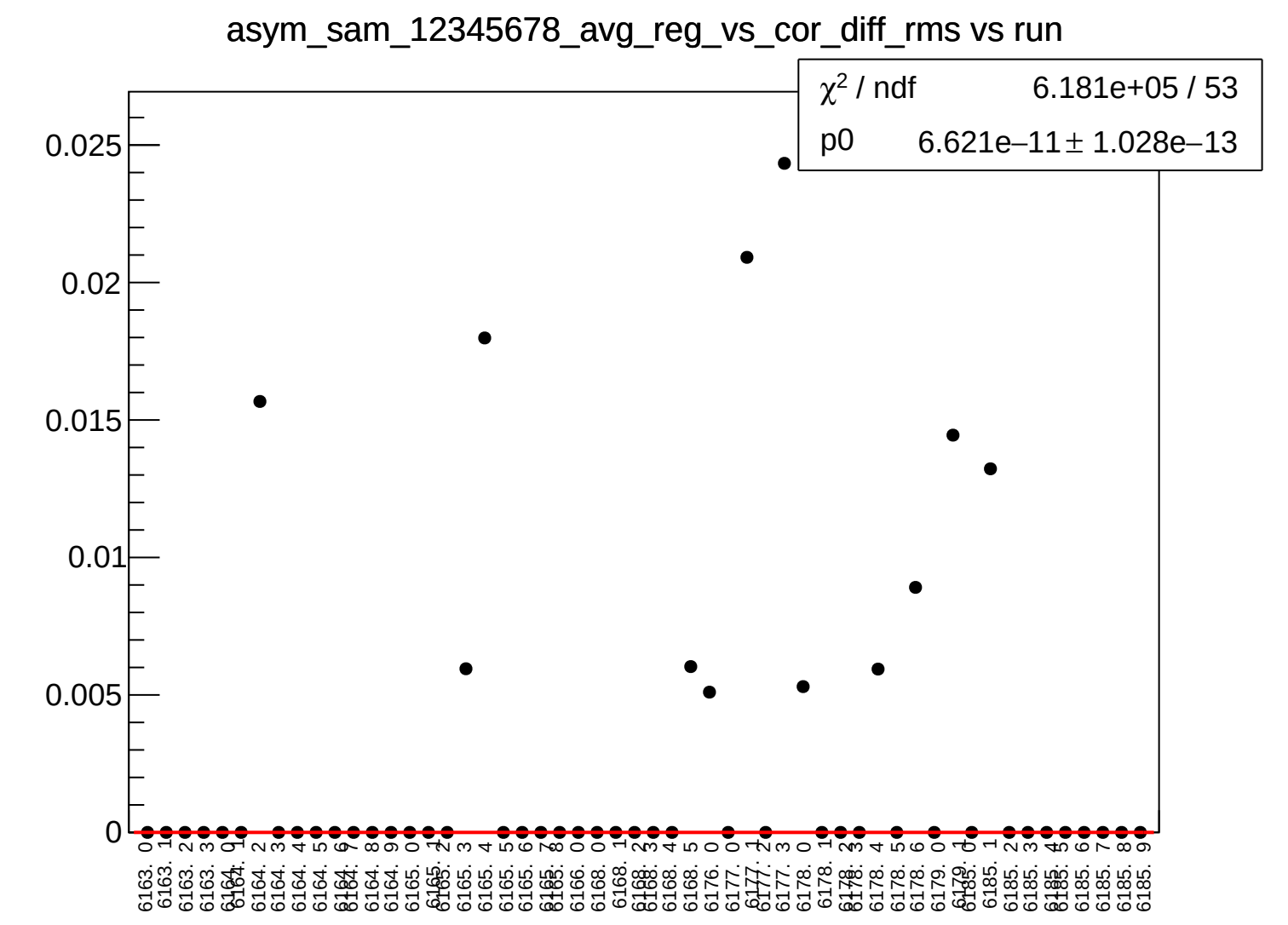

asym_sam_12345678_avg_mean vs run
χ² / ndf 64.98 / 53
p0 −3979 ± 1902
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 54
Mean 2.184
Std Dev 0
2
1
0
−1
−2

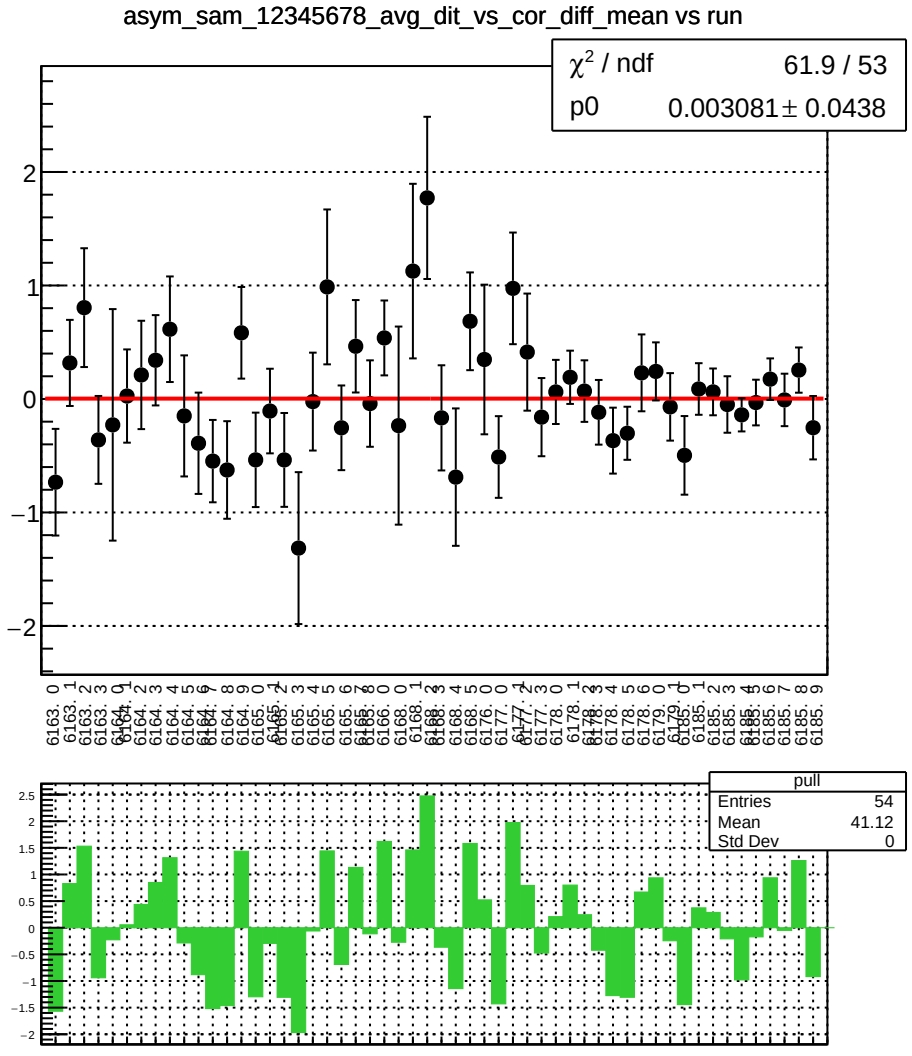

pull1D
Entries 54
Mean −0.03978
Std Dev 1.096
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

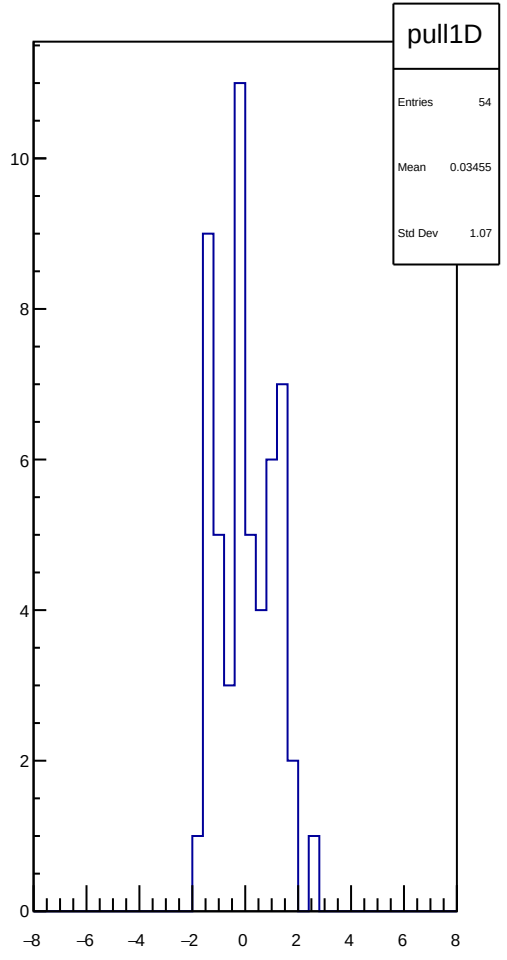

asym_sam_12345678_avg_rms vs run
χ² / ndf 1.095e+05 / 53
p0 1293 ± 1.345
2600
2400
2200
2000
1800
1600
1400
1200
1000
800
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

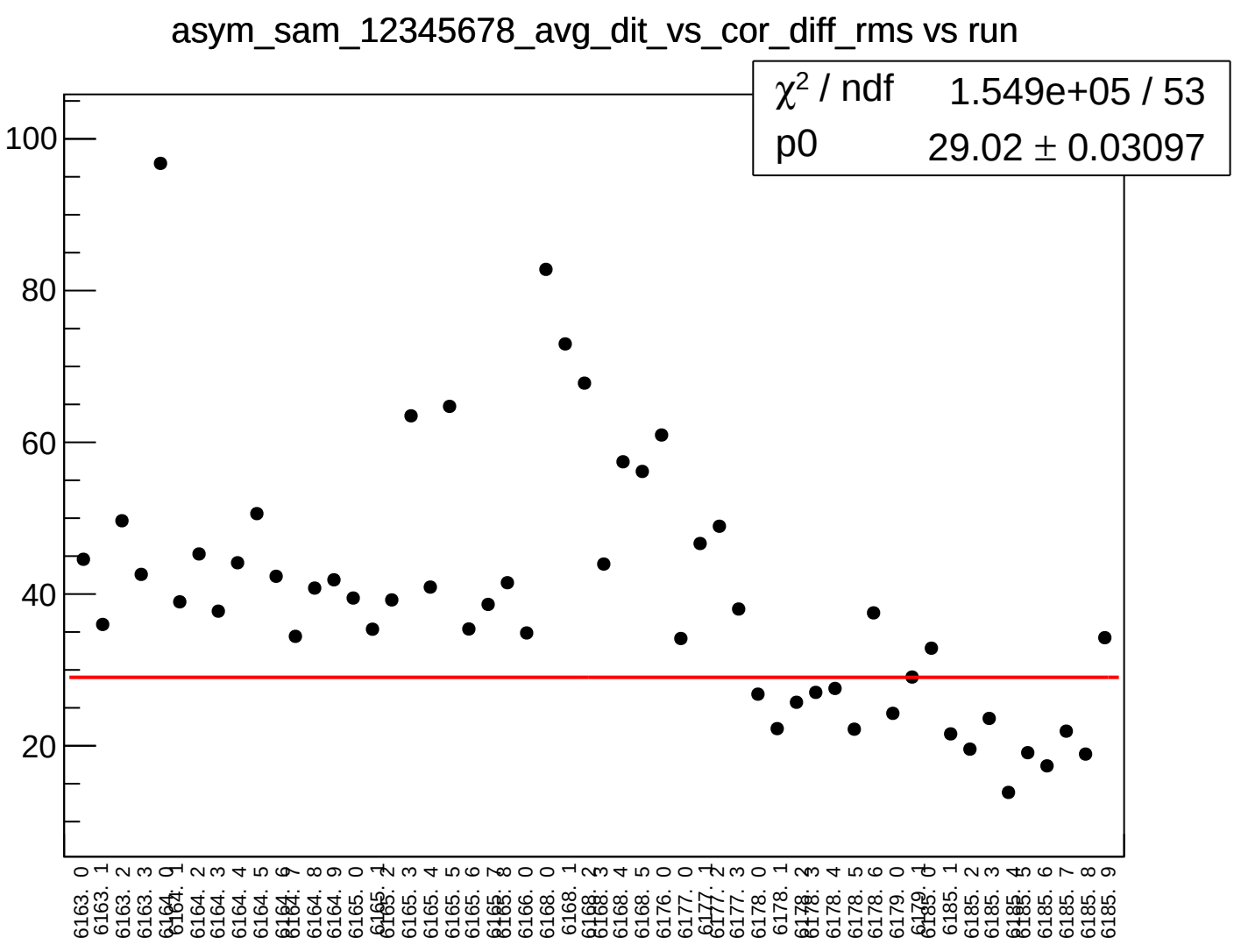

asym_sam_12345678_avg_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 64.24 / 53
p0 −7.011e−14 ± 1.454e−13
pull
Entries 54
Mean 137.5
Std Dev 0

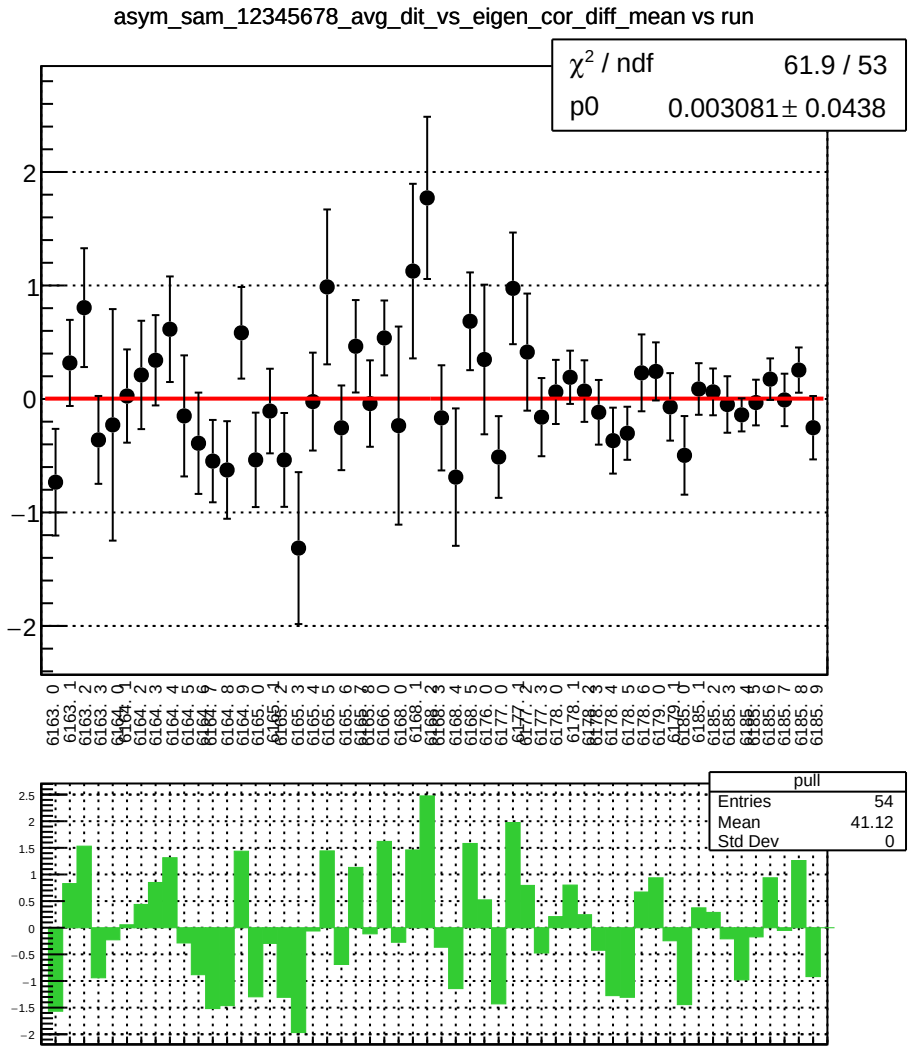

pull1D
Entries 54
Mean −0.03171
Std Dev 1.09

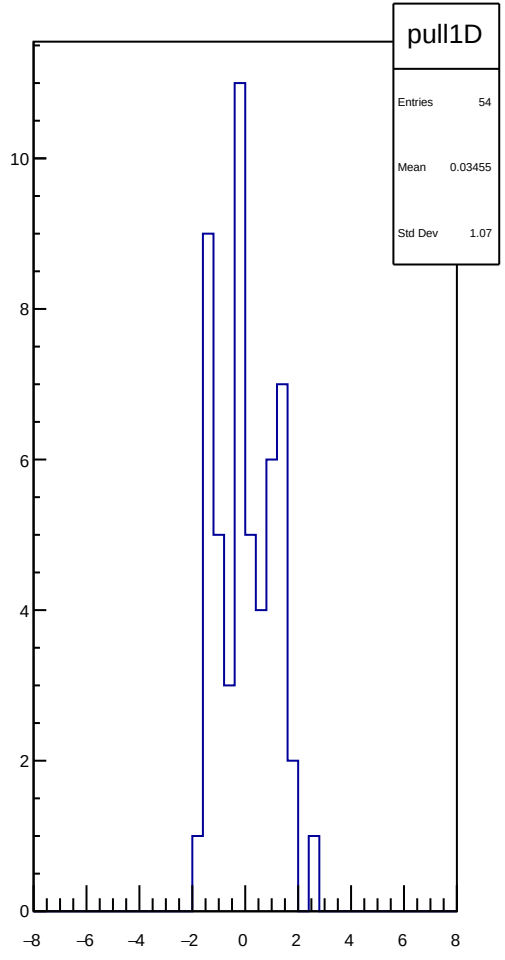

asym_sam_12345678_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.181e+05 / 53
p0 6.621e−11 ± 1.028e−13
0.025
0.02
0.015
0.01
0.005
0
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 7
6164. 8
6164. 9
6165. 0
6165. 2
6165. 3
6165. 4
6165. 5
6165. 6
6165. 7
6165. 8
6166. 0
6168. 0
6168. 1
6168. 2
6168. 3
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 2
6178. 3
6178. 4
6178. 5
6178. 6
6179. 0
6179. 1
6185. 0
6185. 1
6185. 2
6185. 3
6185. 4
6185. 5
6185. 6
6185. 7
6185. 8
6185. 9

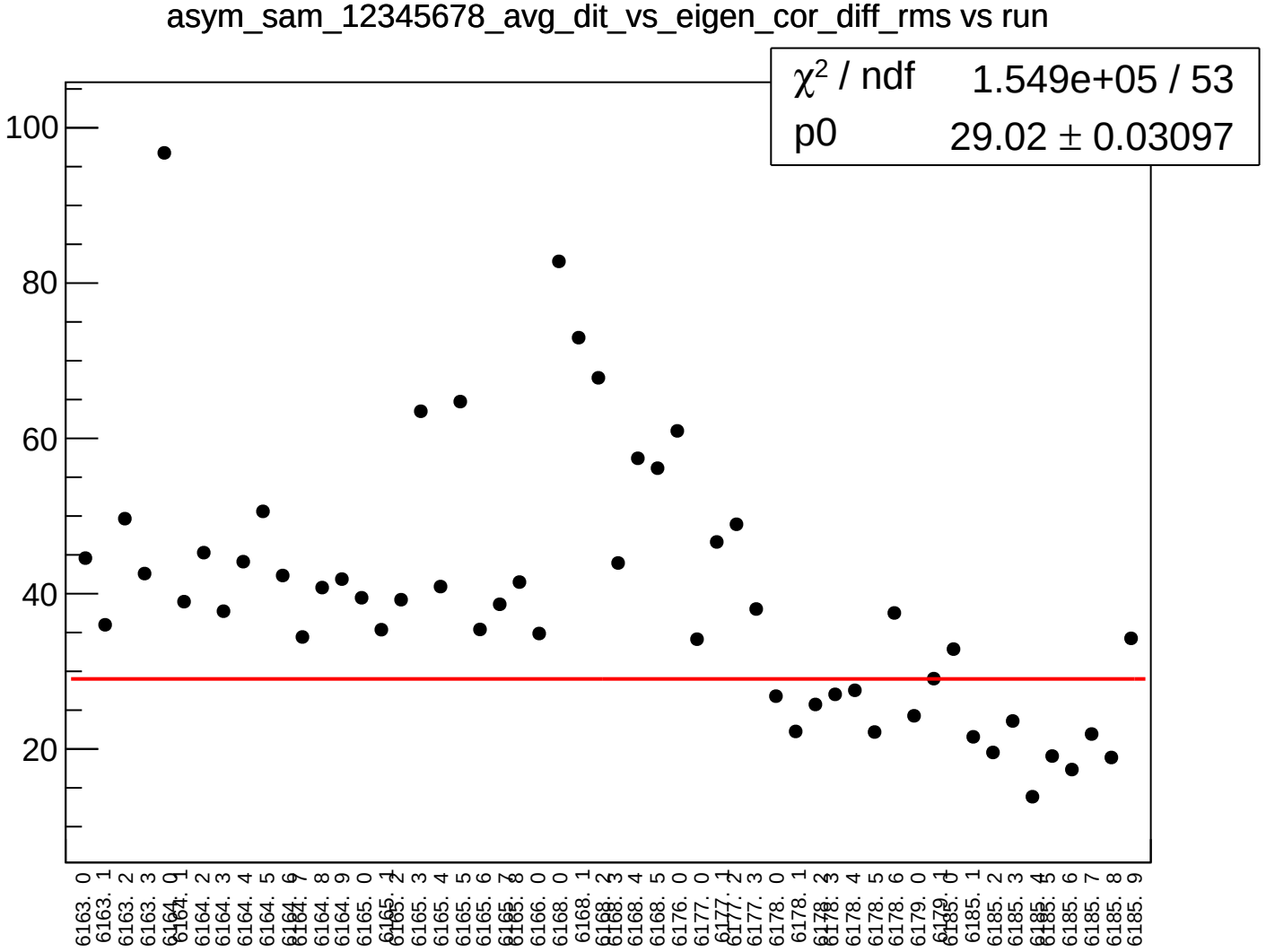

asym_sam_12345678_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 61.9 / 53
p0 0.003081 ± 0.0438
pull
Entries 54
Mean 41.12
Std Dev 0

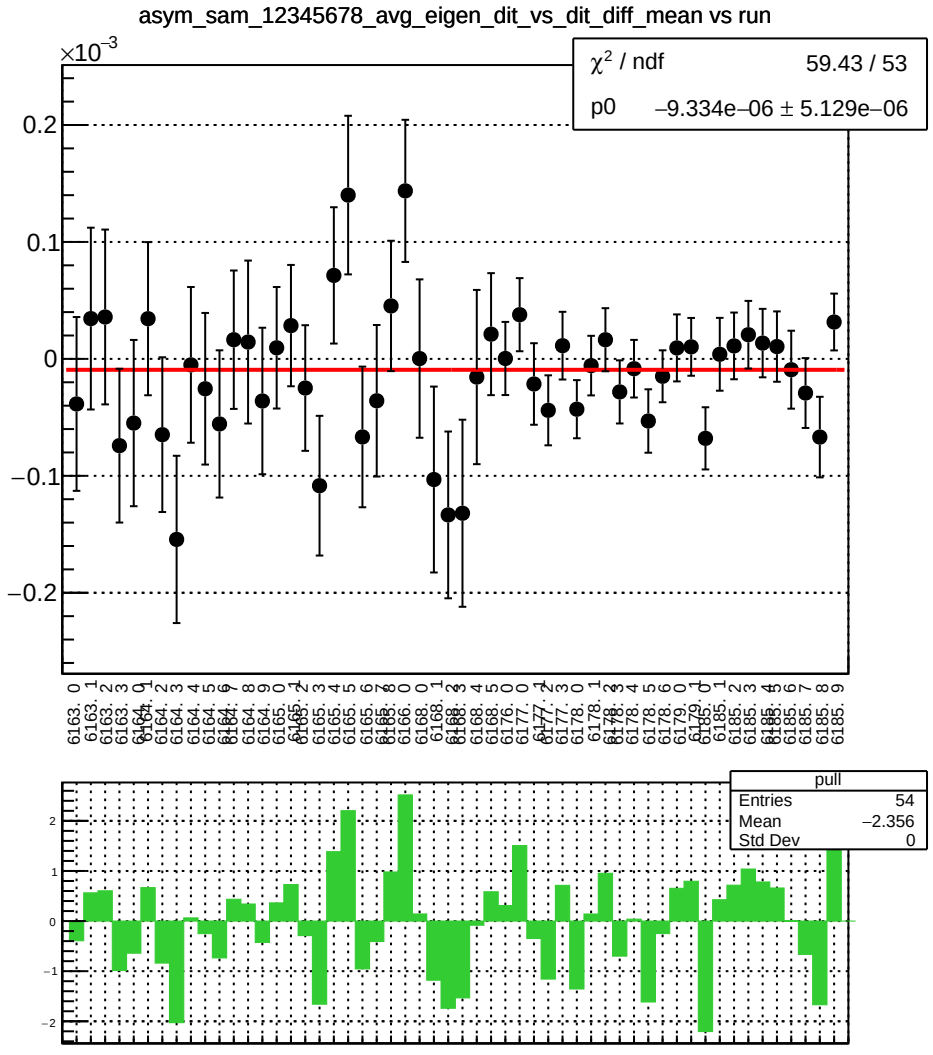

pull1D
Entries 54
Mean 0.03455
Std Dev 1.07

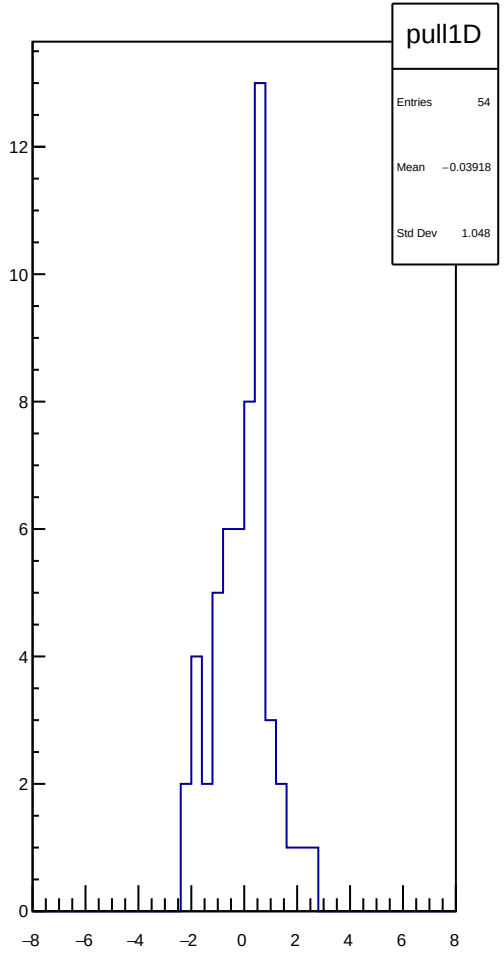

asym_sam_12345678_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.549e+05 / 53
p0 29.02 ± 0.03097
100
80
60
40
20
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

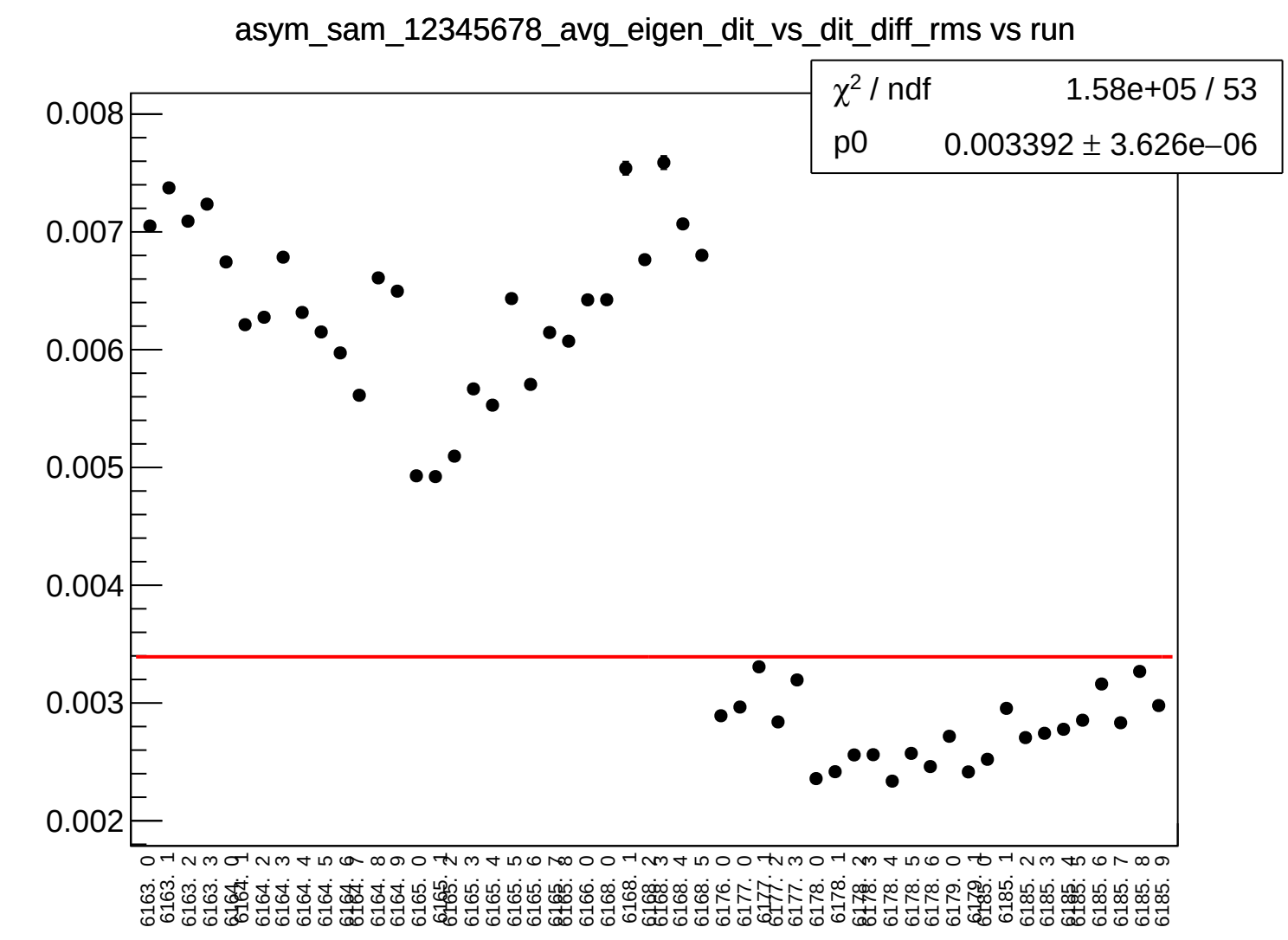

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 61.9 / 53
p0 0.003081 ± 0.0438
pull
Entries 54
Mean 41.12
Std Dev 0

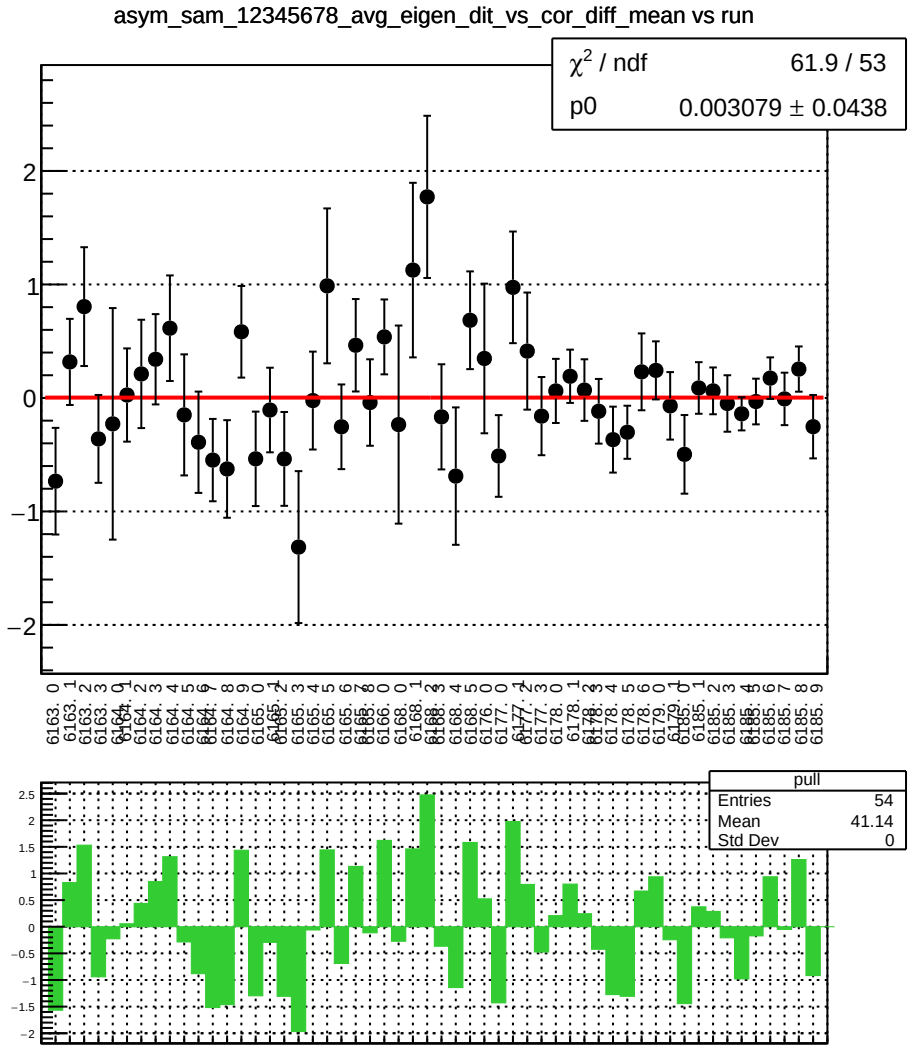

pull1D
Entries 54
Mean 0.03455
Std Dev 1.07

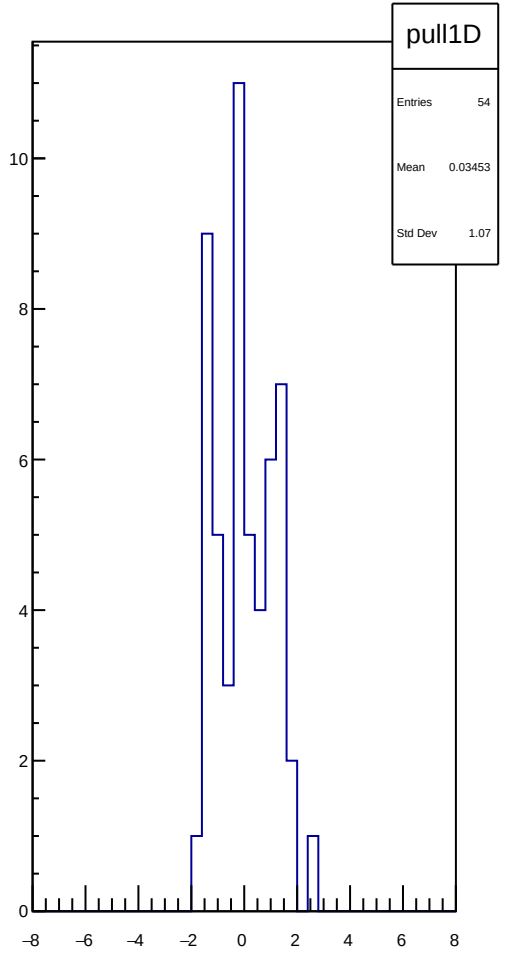

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.549e+05 / 53
p0 29.02 ± 0.03097
100
80
60
40
20
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

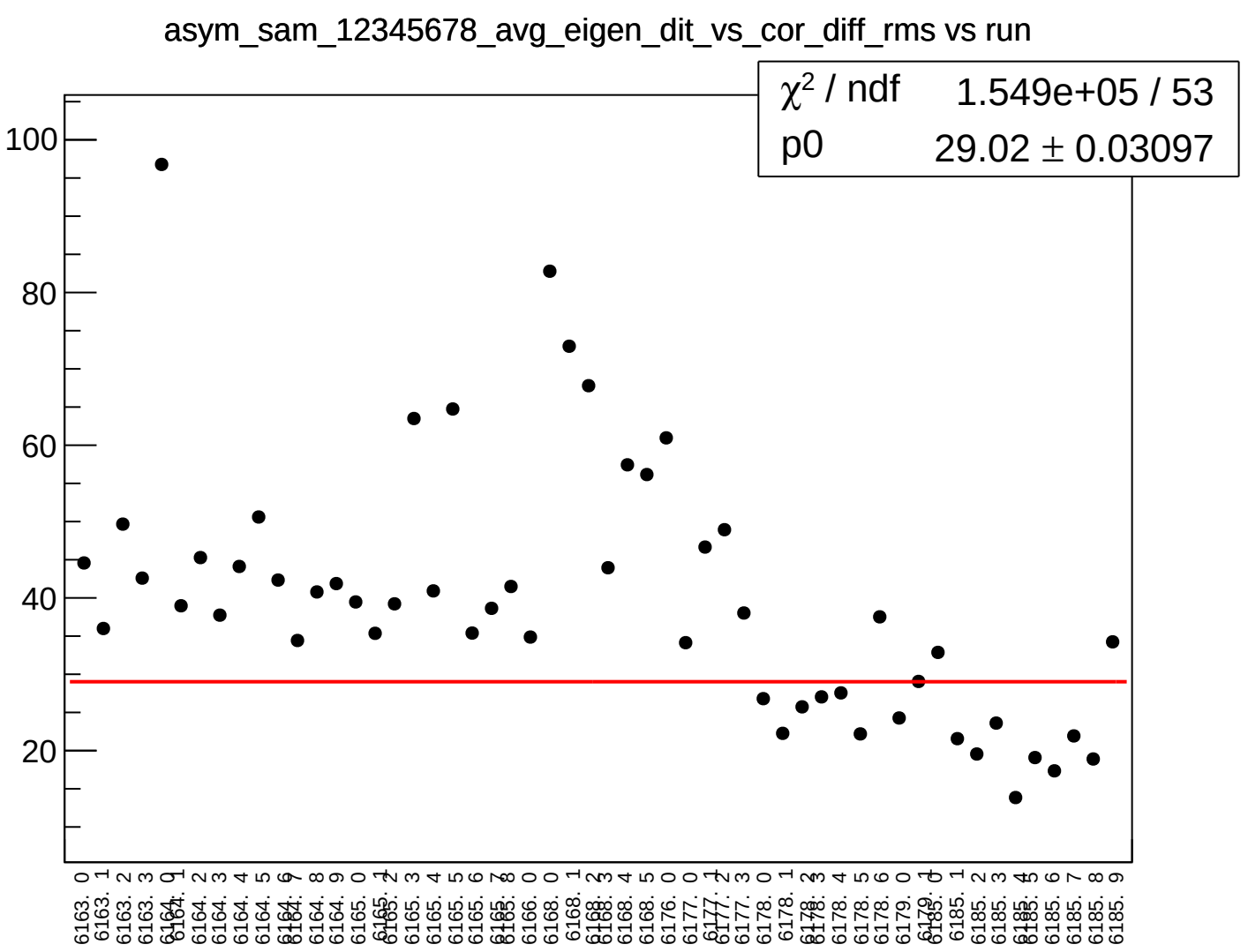

asym_sam_12345678_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 59.43 / 53
p0 −9.334e−06 ± 5.129e−06
0.2
0.1
0
−0.1
−0.2
pull
Entries 54
Mean −2.356
Std Dev 0
2
1
0
−1
−2

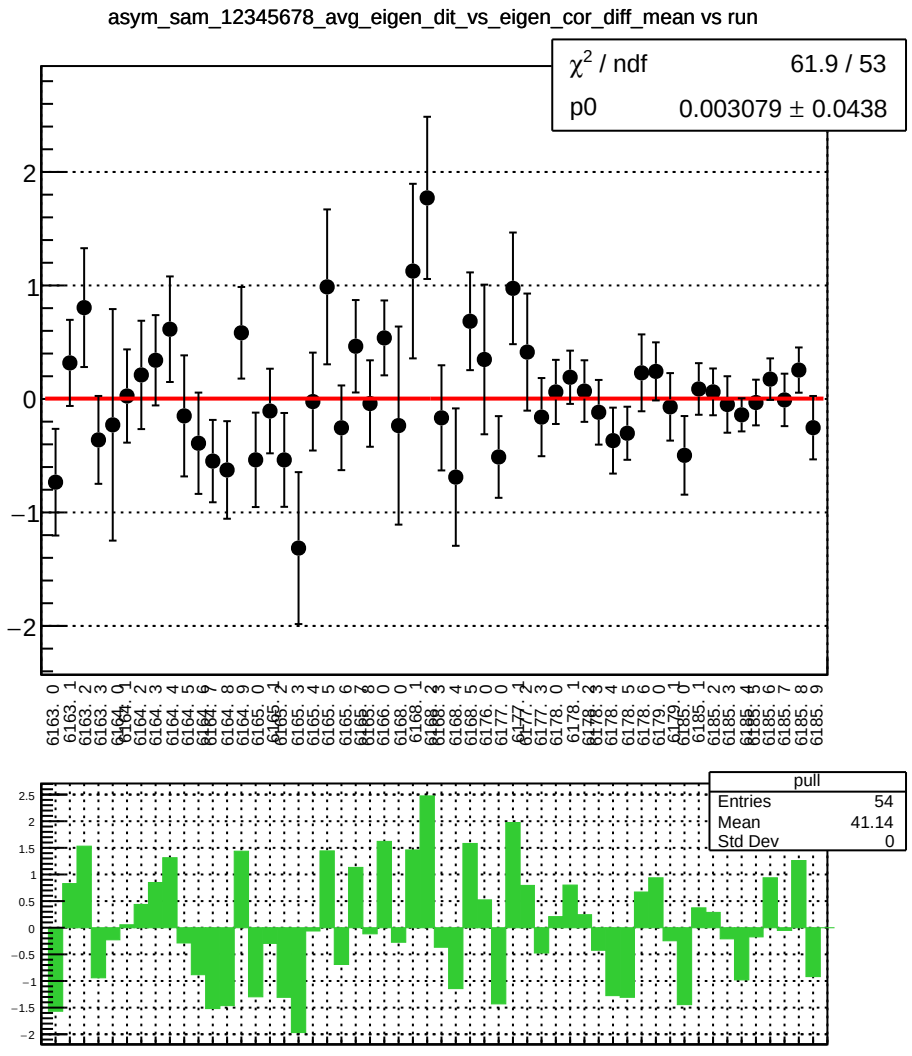

pull1D
Entries 54
Mean −0.03918
Std Dev 1.048
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

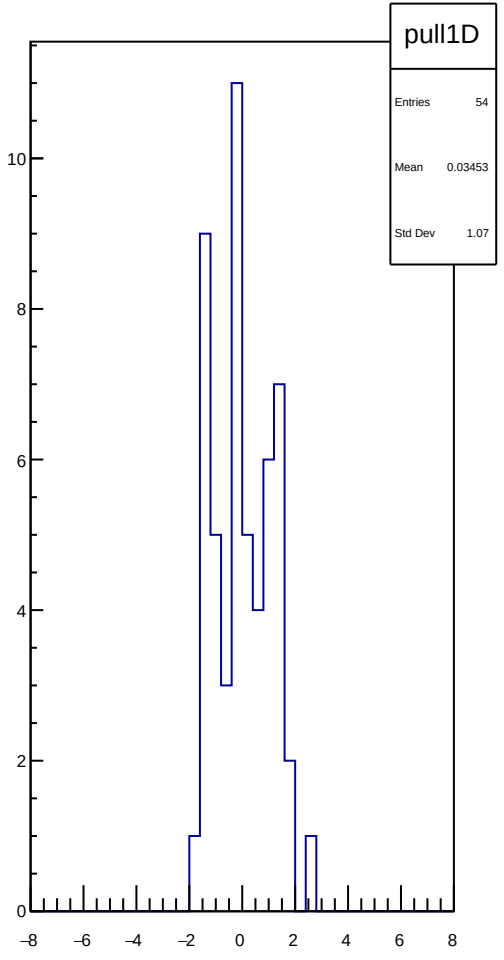

asym_sam_12345678_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.58e+05 / 53
p0 0.003392 ± 3.626e−06
0.008
0.007
0.006
0.005
0.004
0.003
0.002
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

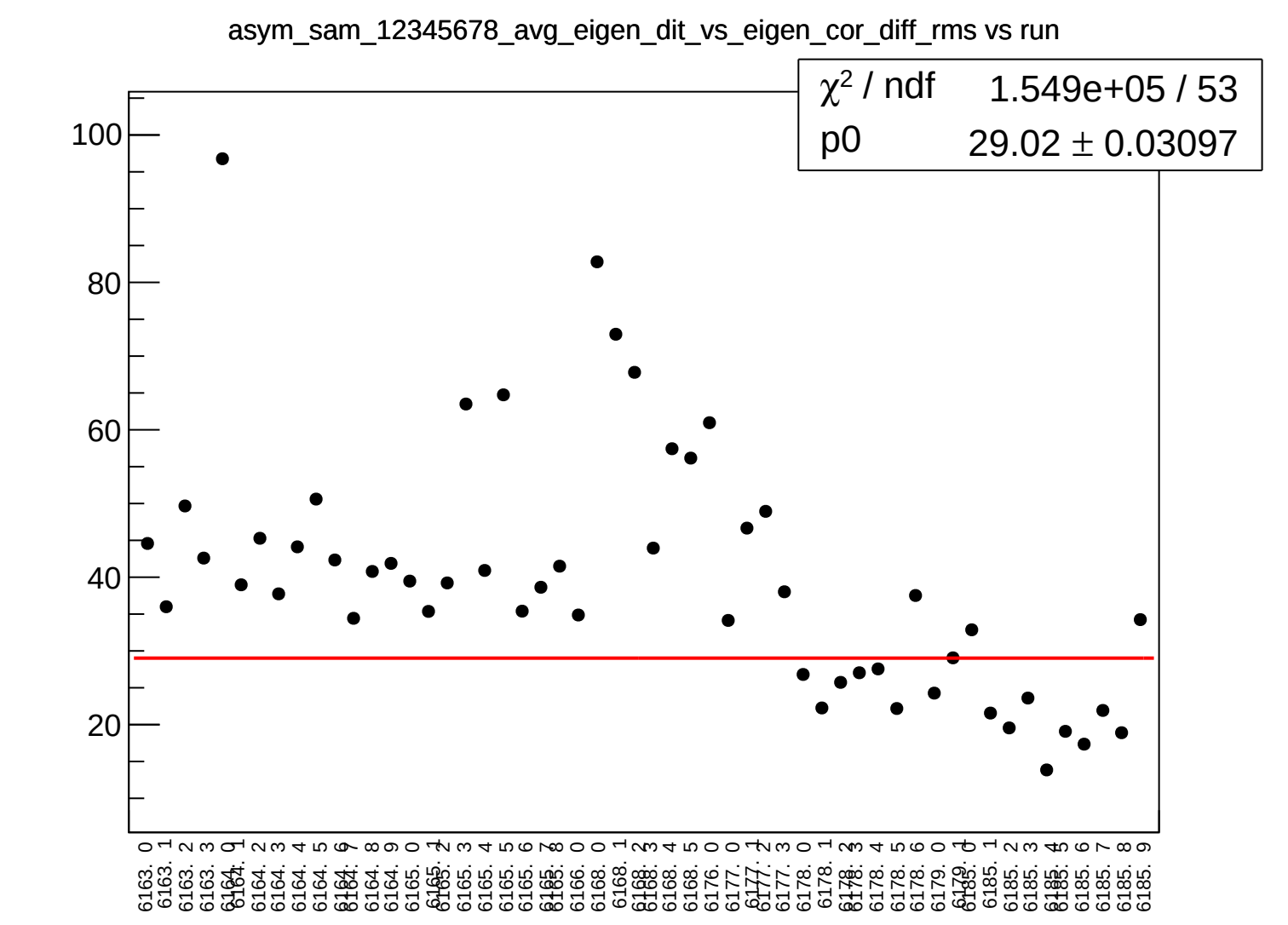

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 61.9 / 53
p0 0.003079 ± 0.0438
pull
Entries 54
Mean 41.14
Std Dev 0

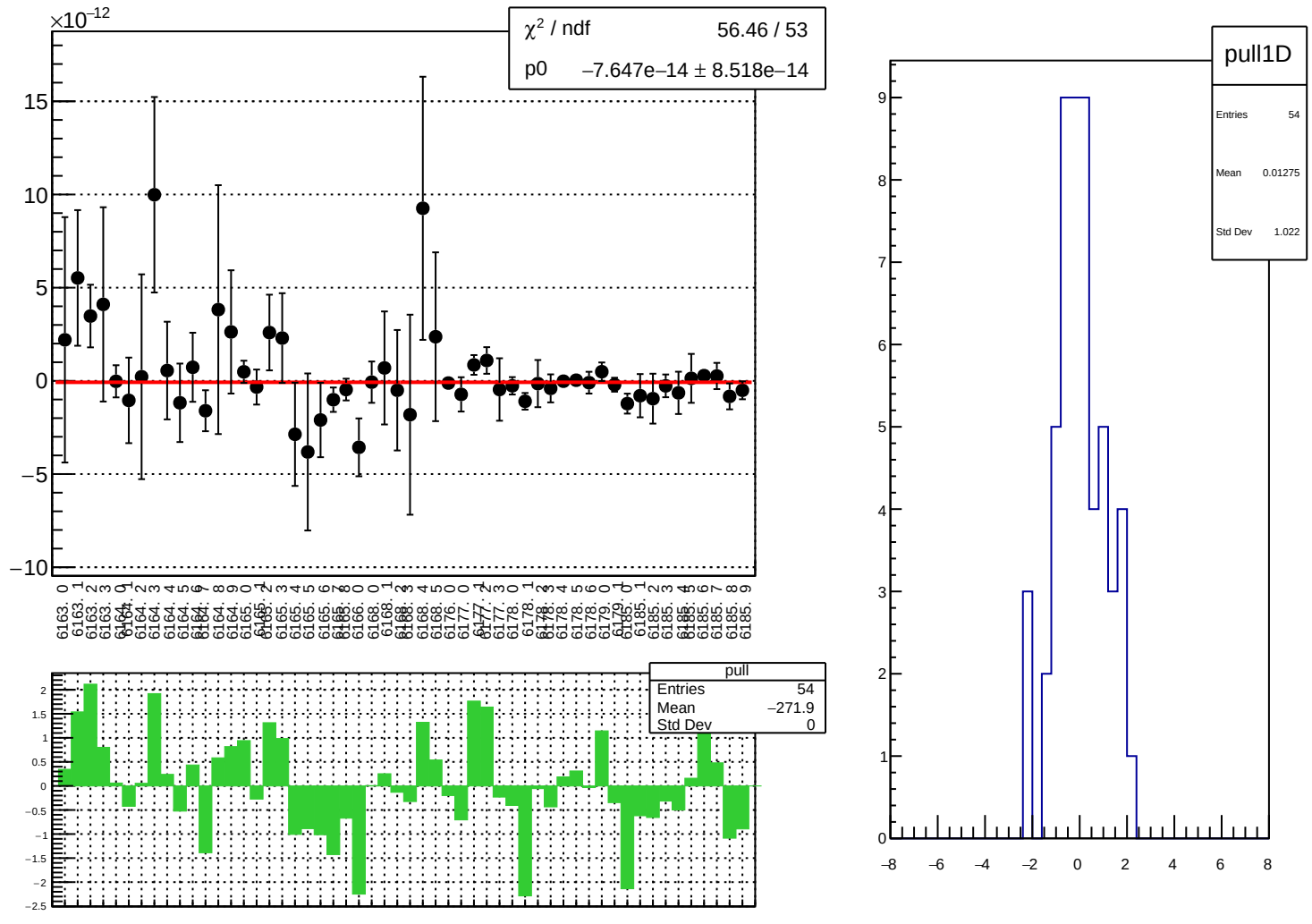

pull1D
Entries 54
Mean 0.03453
Std Dev 1.07

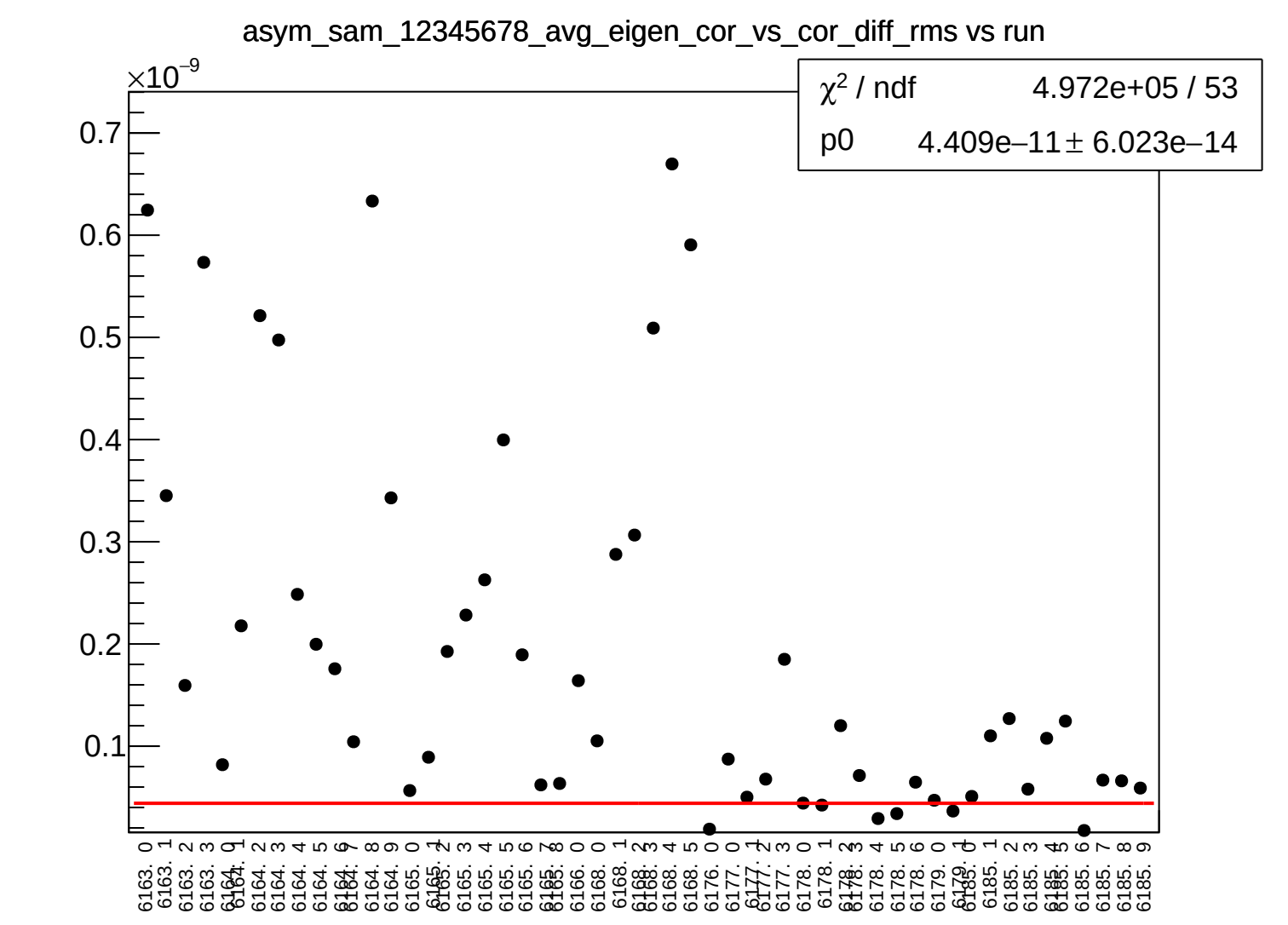

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.549e+05 / 53
p0 29.02 ± 0.03097
100
80
60
40
20
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

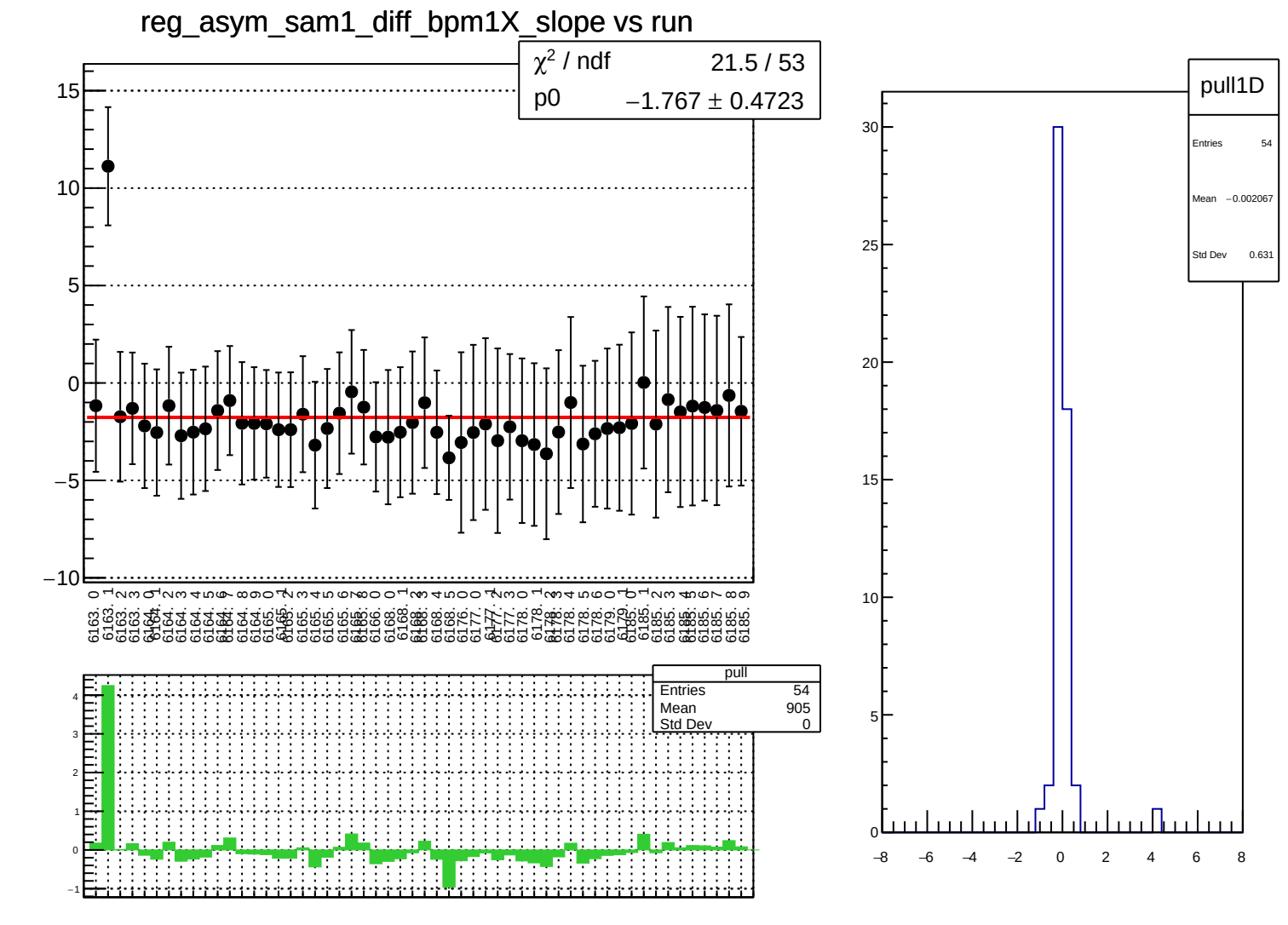

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 61.9 / 53
p0 0.003079 ± 0.0438
pull
Entries 54
Mean 41.14
Std Dev 0

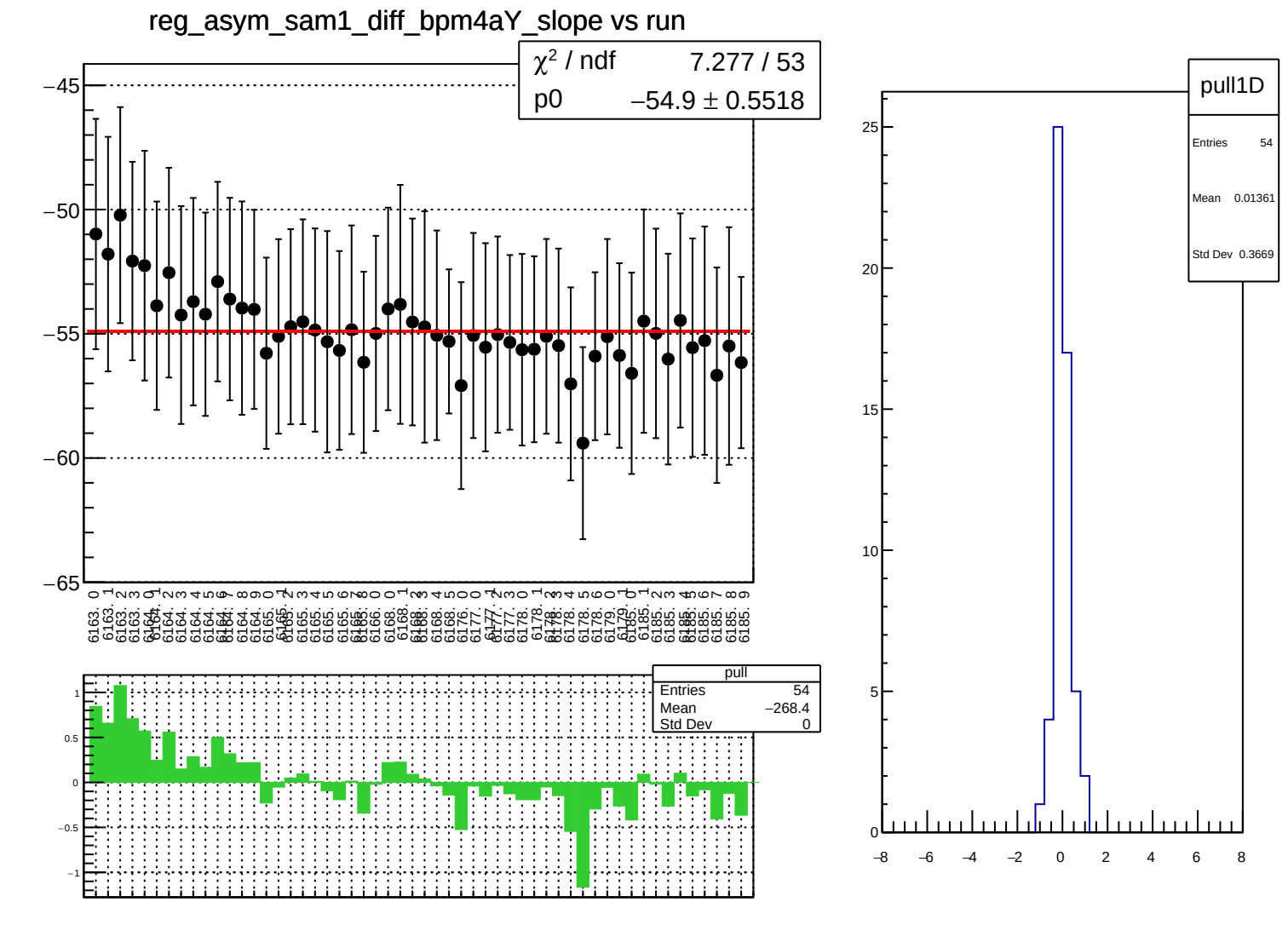

pull1D
Entries 54
Mean 0.03453
Std Dev 1.07

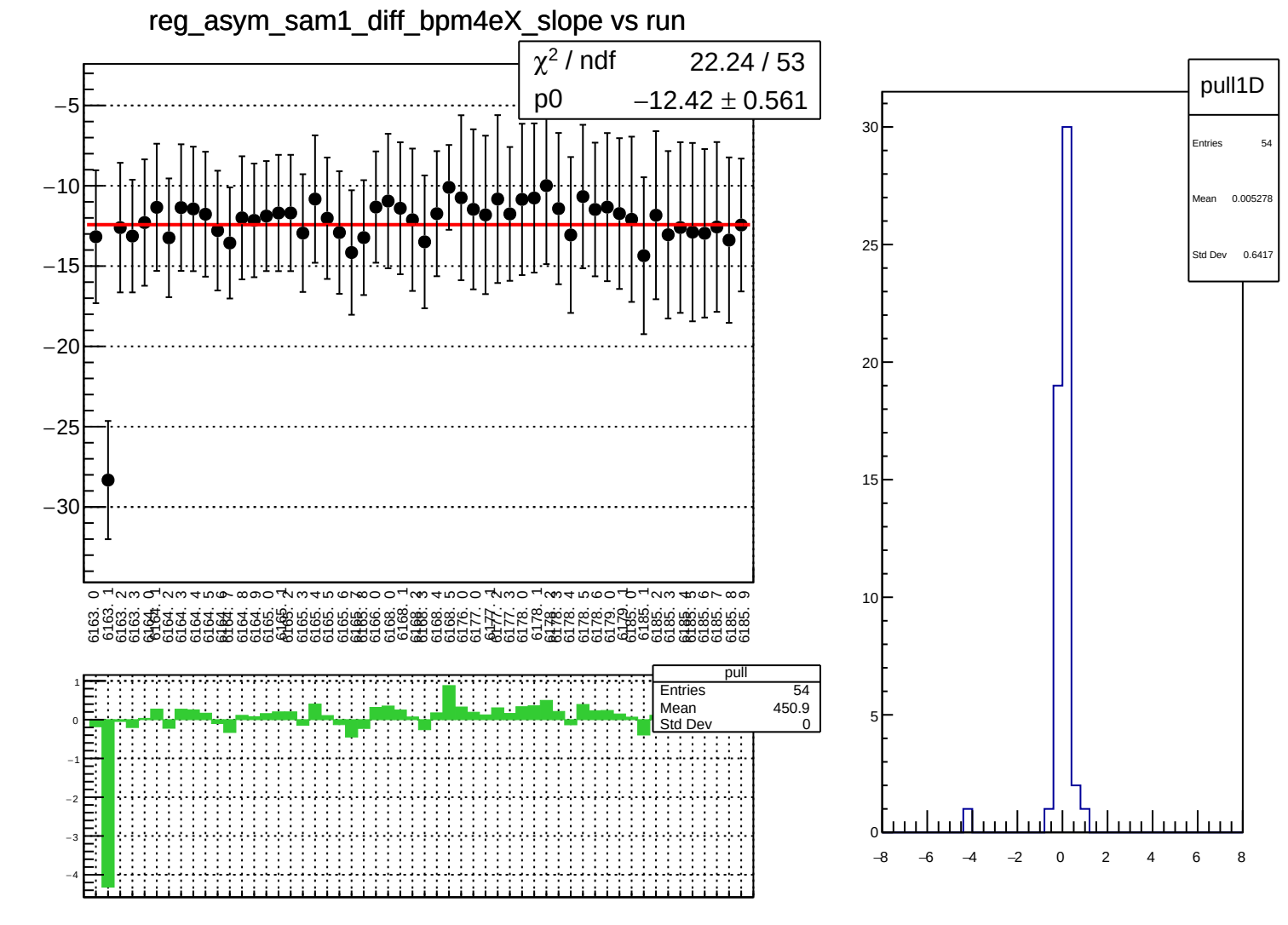

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.549e+05 / 53
p0 29.02 ± 0.03097
100
80
60
40
20
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

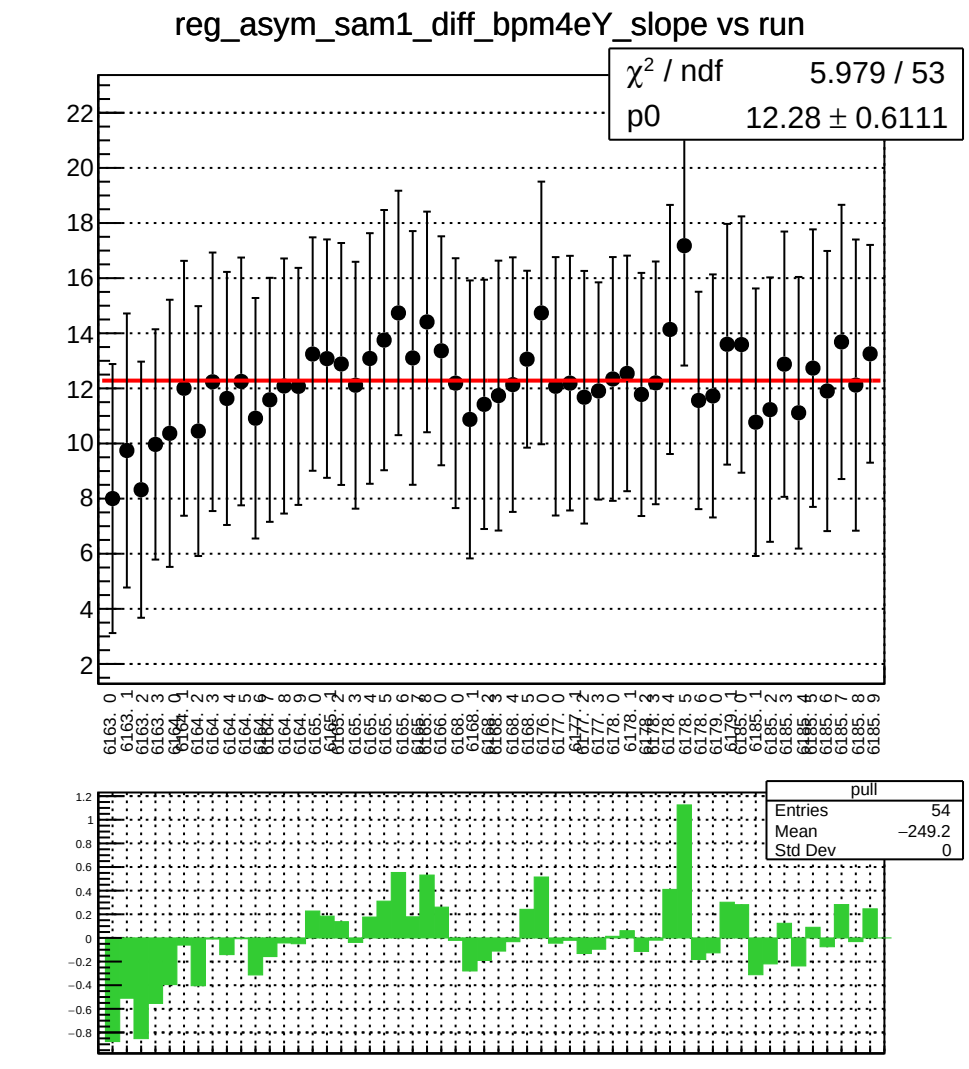

asym_sam_12345678_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 56.46 / 53
p0 −7.647e−14 ± 8.518e−14
pull
Entries 54
Mean −271.9
Std Dev 0
pull1D
Entries 54
Mean 0.01275
Std Dev 1.022

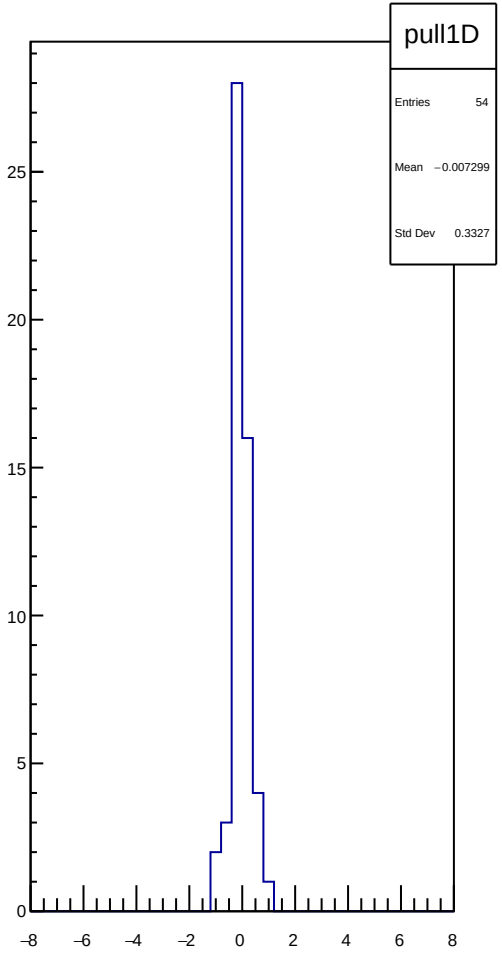

asym_sam_12345678_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.972e+05 / 53
p0 4.409e−11 ± 6.023e−14
0.7
0.6
0.5
0.4
0.3
0.2
0.1
6163. 0
6163. 1
6163. 2
6163. 3
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 8
6164. 9
6165. 0
6165. 3
6165. 4
6165. 5
6165. 6
6166. 0
6168. 1
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 4
6178. 5
6178. 6
6179. 0
6185. 1
6185. 2
6185. 3
6185. 6
6185. 7
6185. 8
6185. 9

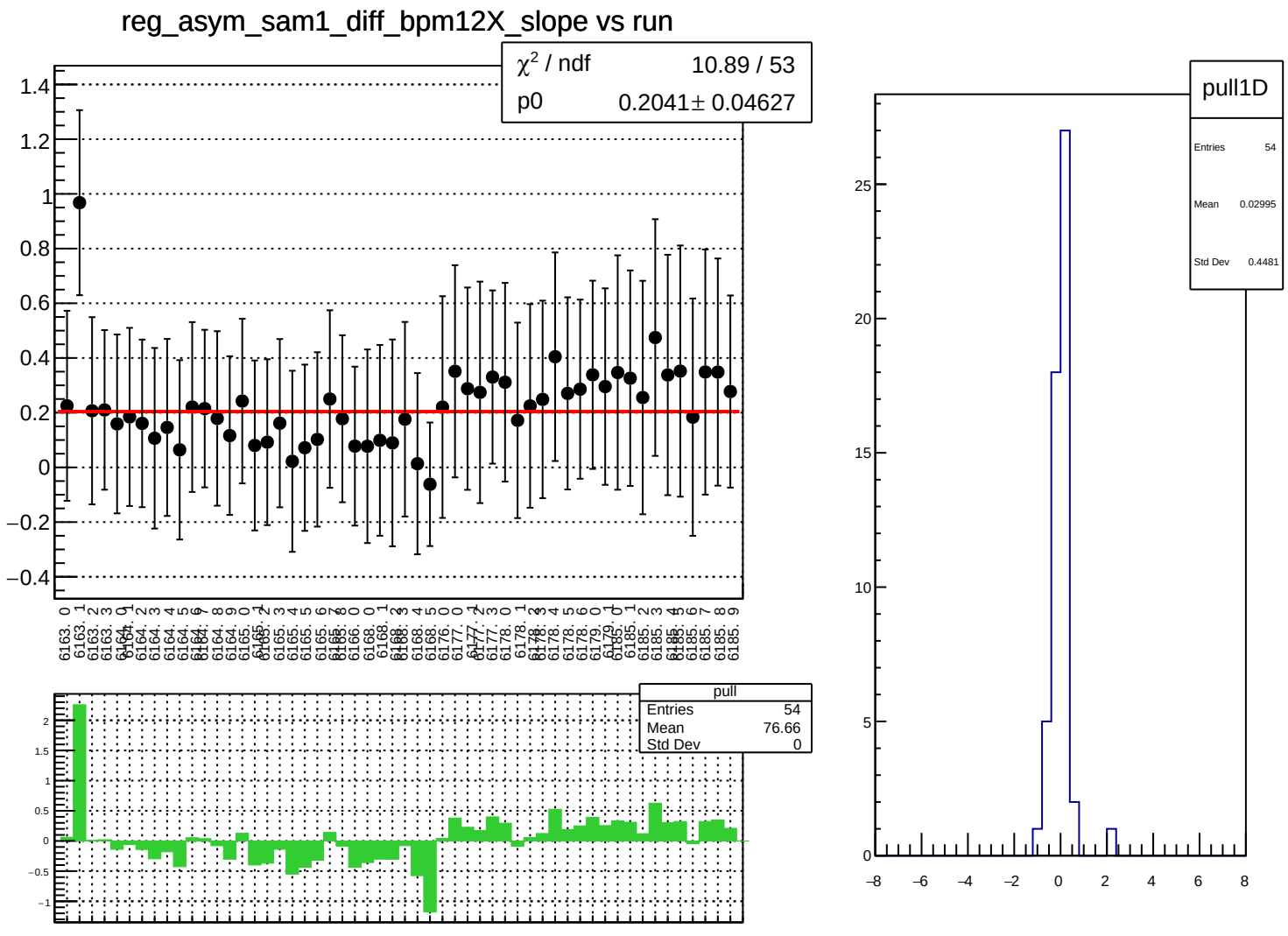

reg_asym_sam1_diff_bpm1X_slope vs run
χ² / ndf 21.5 / 53
p0 −1.767 ± 0.4723
pull
Entries 54
Mean 905
Std Dev 0
pull1D
Entries 54
Mean −0.002067
Std Dev 0.631

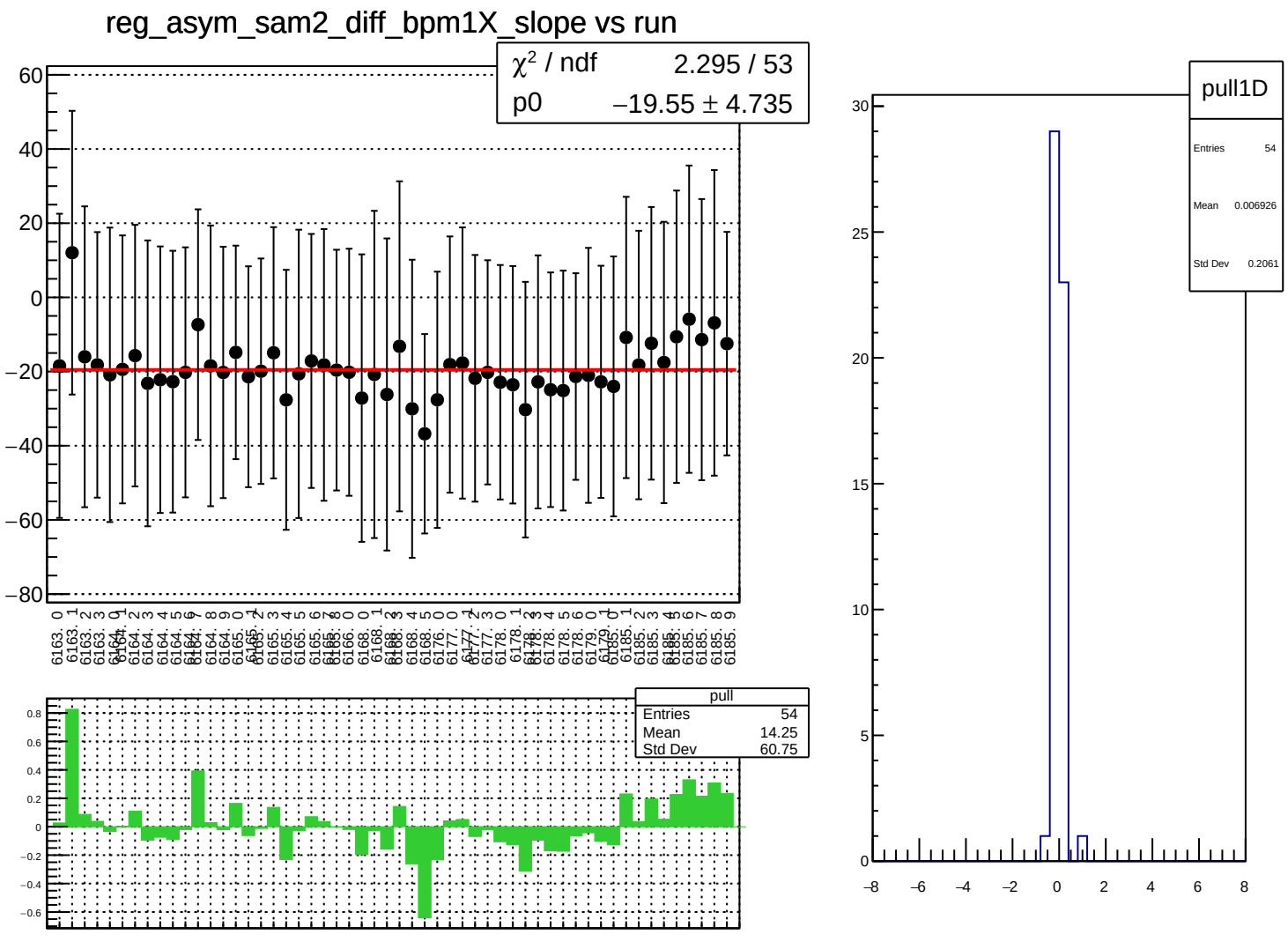

reg_asym_sam1_diff_bpm4aY_slope vs run
χ² / ndf 7.277 / 53
p0 −54.9 ± 0.5518
−45
−50
−55
−60
−65
pull
Entries 54
Mean −268.4
Std Dev 0
1
0.5
0
−0.5
−1
pull1D
Entries 54
Mean 0.01361
Std Dev 0.3669
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

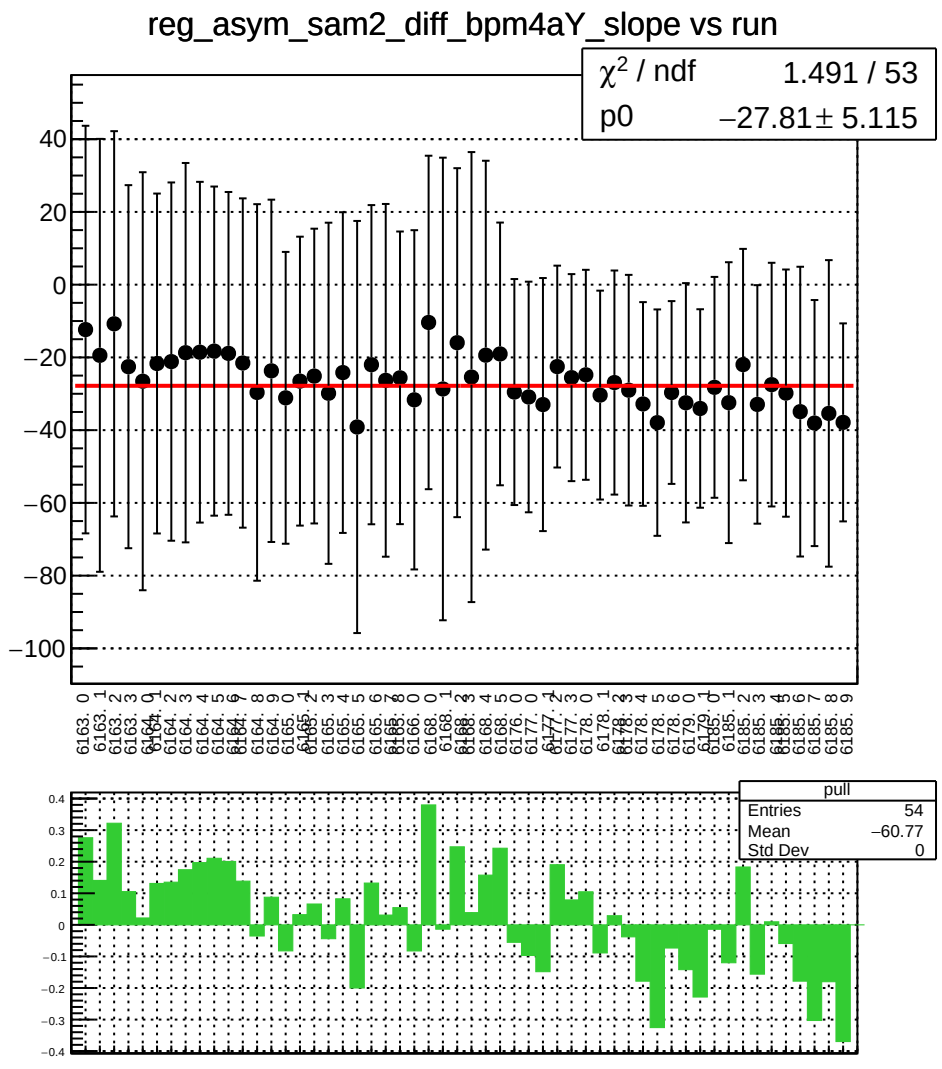

reg_asym_sam1_diff_bpm4eX_slope vs run
χ² / ndf 22.24 / 53
p0 −12.42 ± 0.561
pull
Entries 54
Mean 450.9
Std Dev 0
pull1D
Entries 54
Mean 0.005278
Std Dev 0.6417

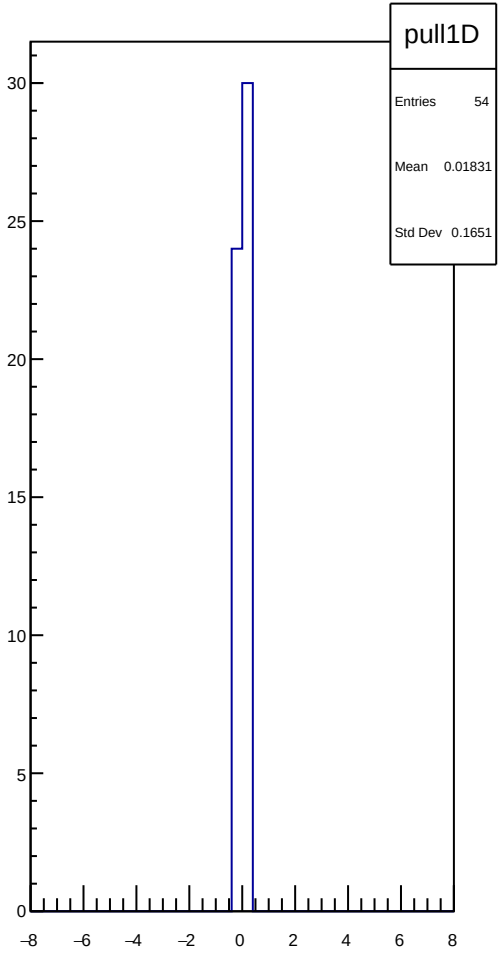

reg_asym_sam1_diff_bpm4eY_slope vs run
χ² / ndf 5.979 / 53
p0 12.28 ± 0.6111
pull
Entries 54
Mean −249.2
Std Dev 0

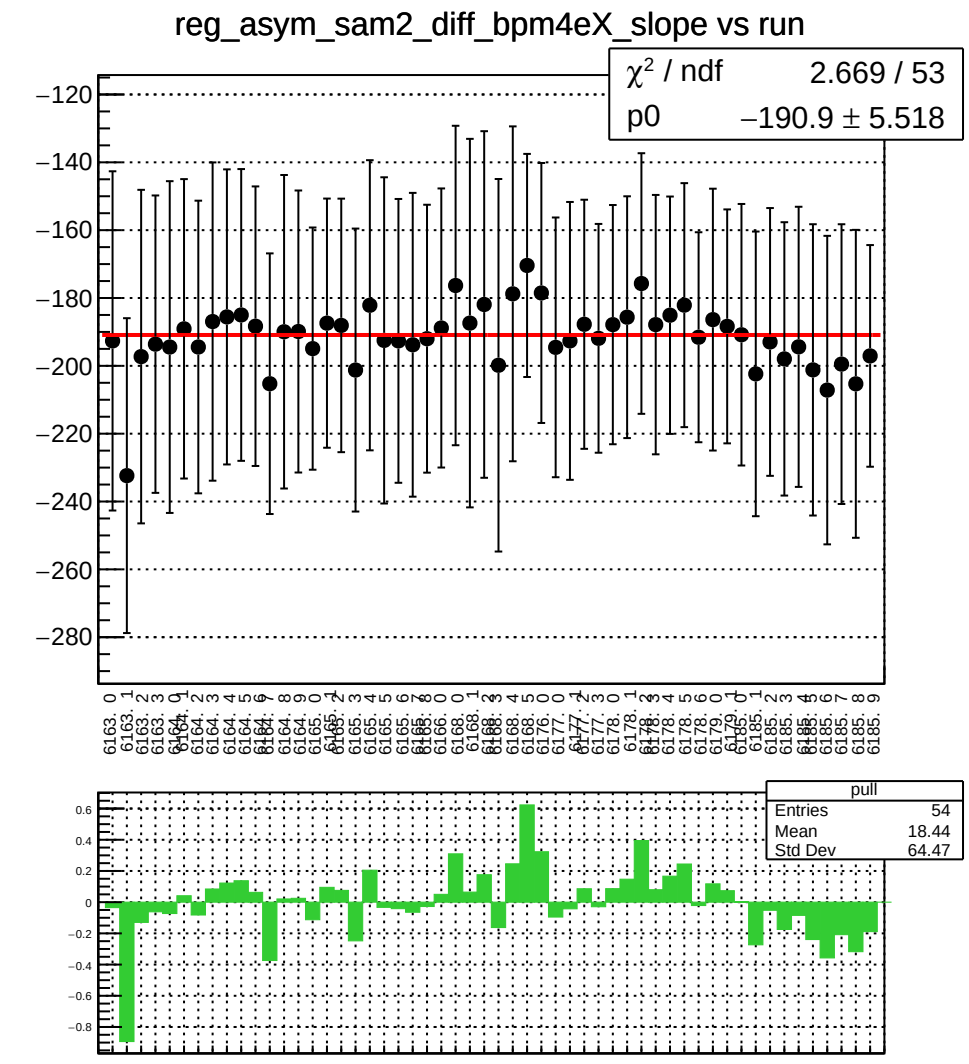

pull1D
Entries 54
Mean −0.007299
Std Dev 0.3327

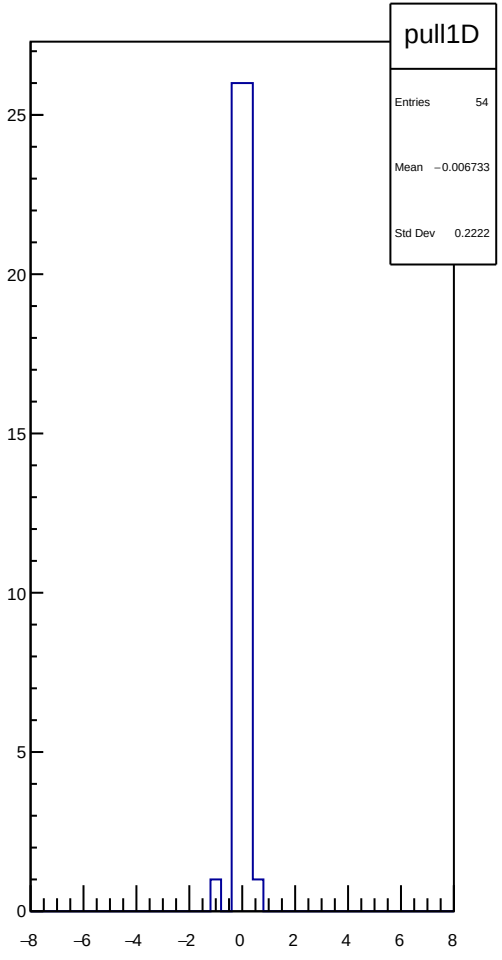

reg_asym_sam1_diff_bpm12X_slope vs run
χ² / ndf 10.89 / 53
p0 0.2041± 0.04627
pull
Entries 54
Mean 76.66
Std Dev 0
pull1D
Entries 54
Mean 0.02995
Std Dev 0.4481

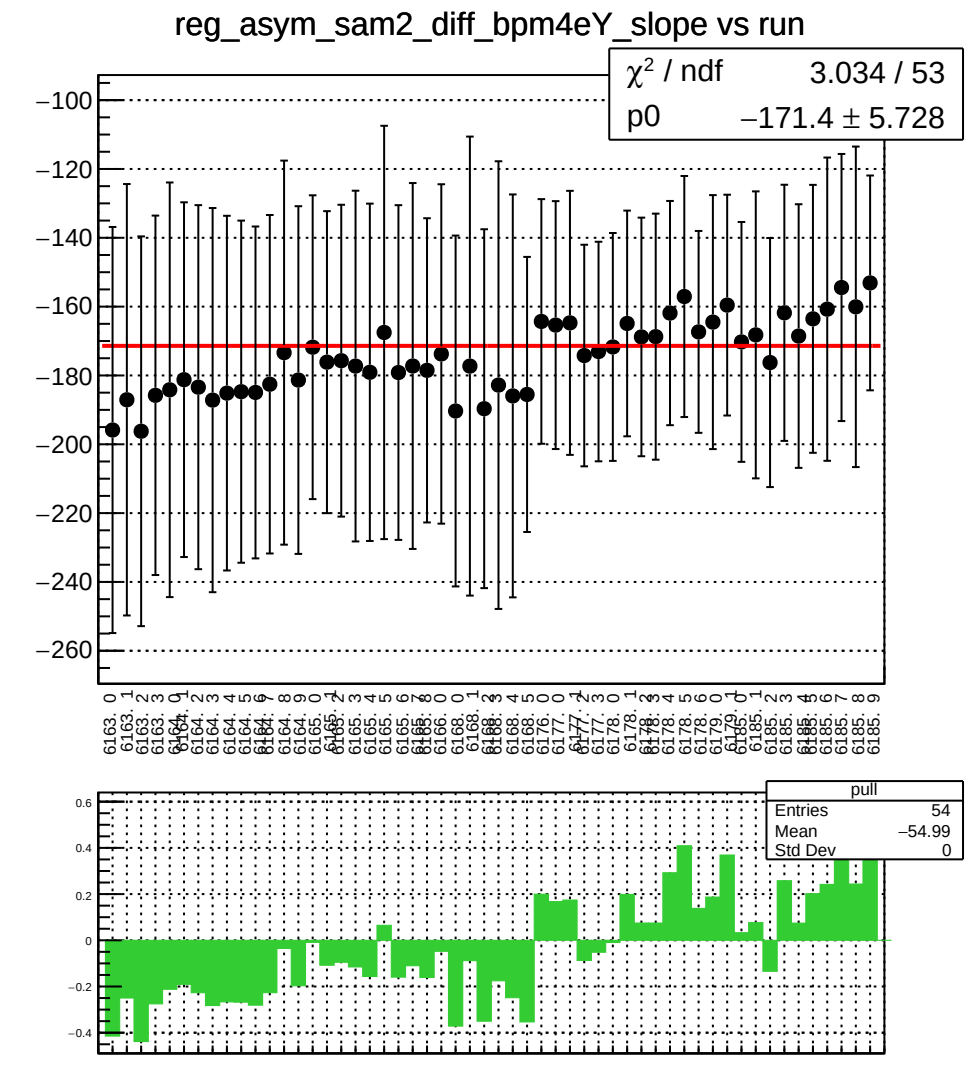

reg_asym_sam2_diff_bpm1X_slope vs run
χ² / ndf 2.295 / 53
p0 −19.55 ± 4.735
pull
Entries 54
Mean 14.25
Std Dev 60.75
pull1D
Entries 54
Mean 0.006926
Std Dev 0.2061

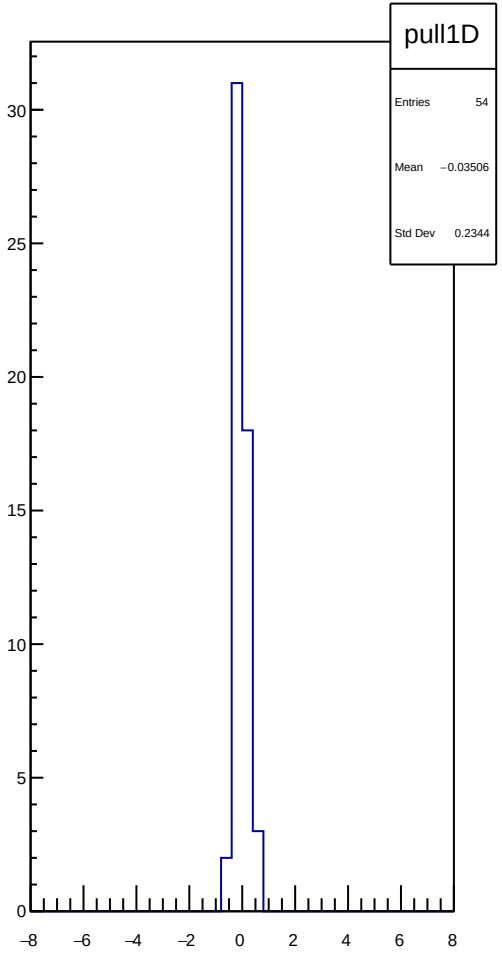

reg_asym_sam2_diff_bpm4aY_slope vs run
χ² / ndf 1.491 / 53
p0 −27.81 ± 5.115
pull
Entries 54
Mean −60.77
Std Dev 0

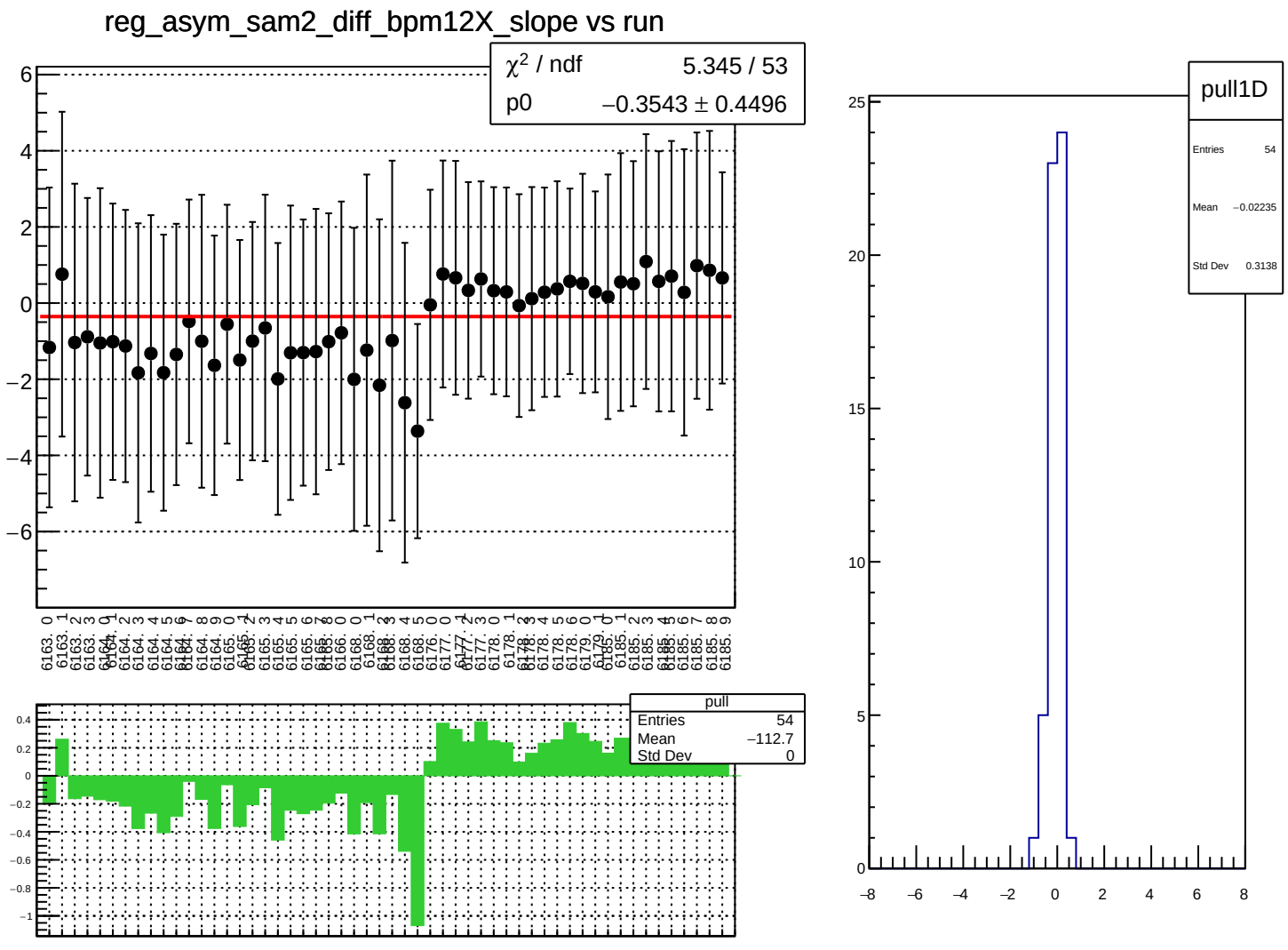

pull1D
Entries 54
Mean 0.01831
Std Dev 0.1651

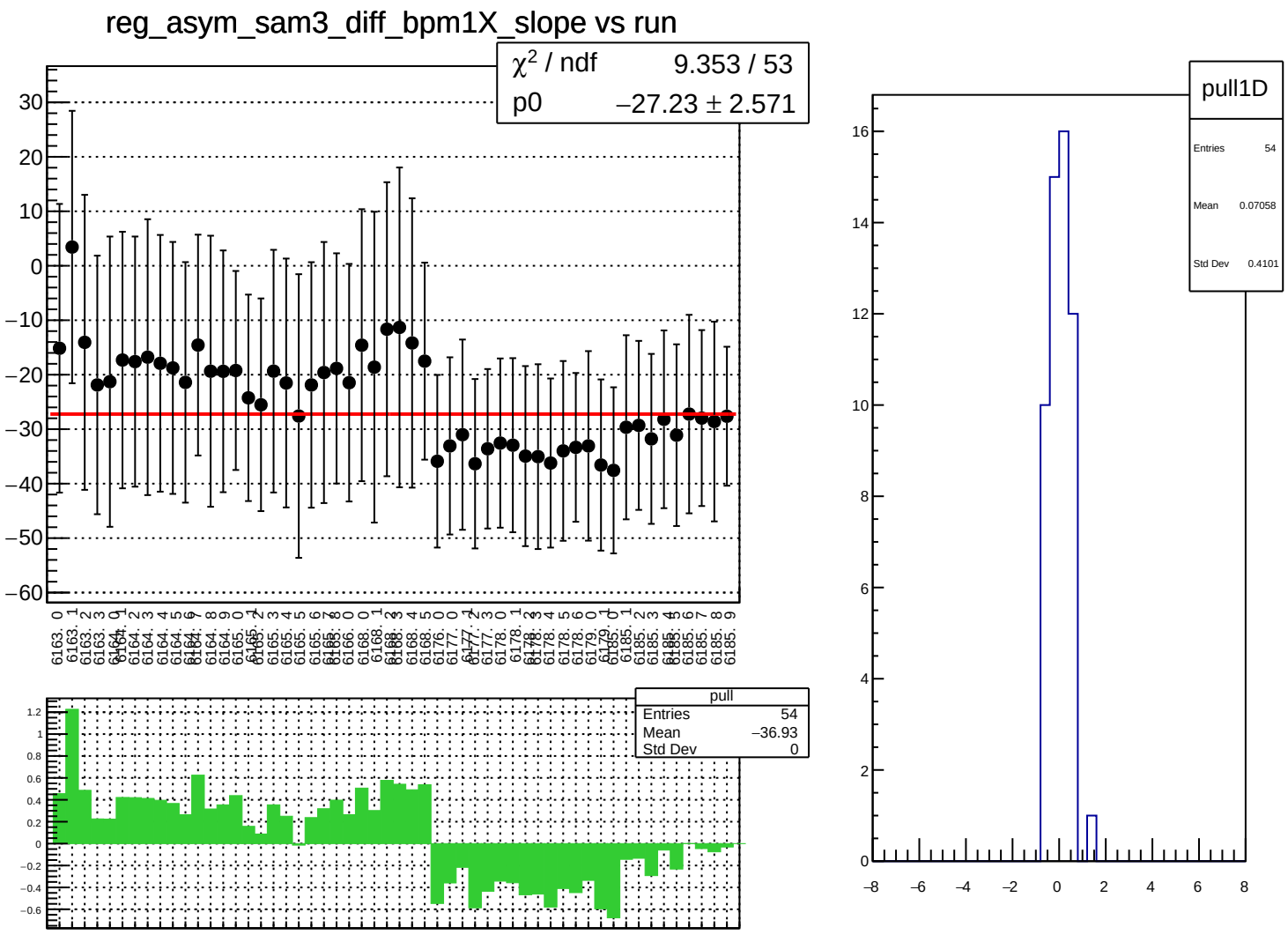

reg_asym_sam2_diff_bpm4eX_slope vs run
χ² / ndf 2.669 / 53
p0 −190.9 ± 5.518
pull
Entries 54
Mean 18.44
Std Dev 64.47

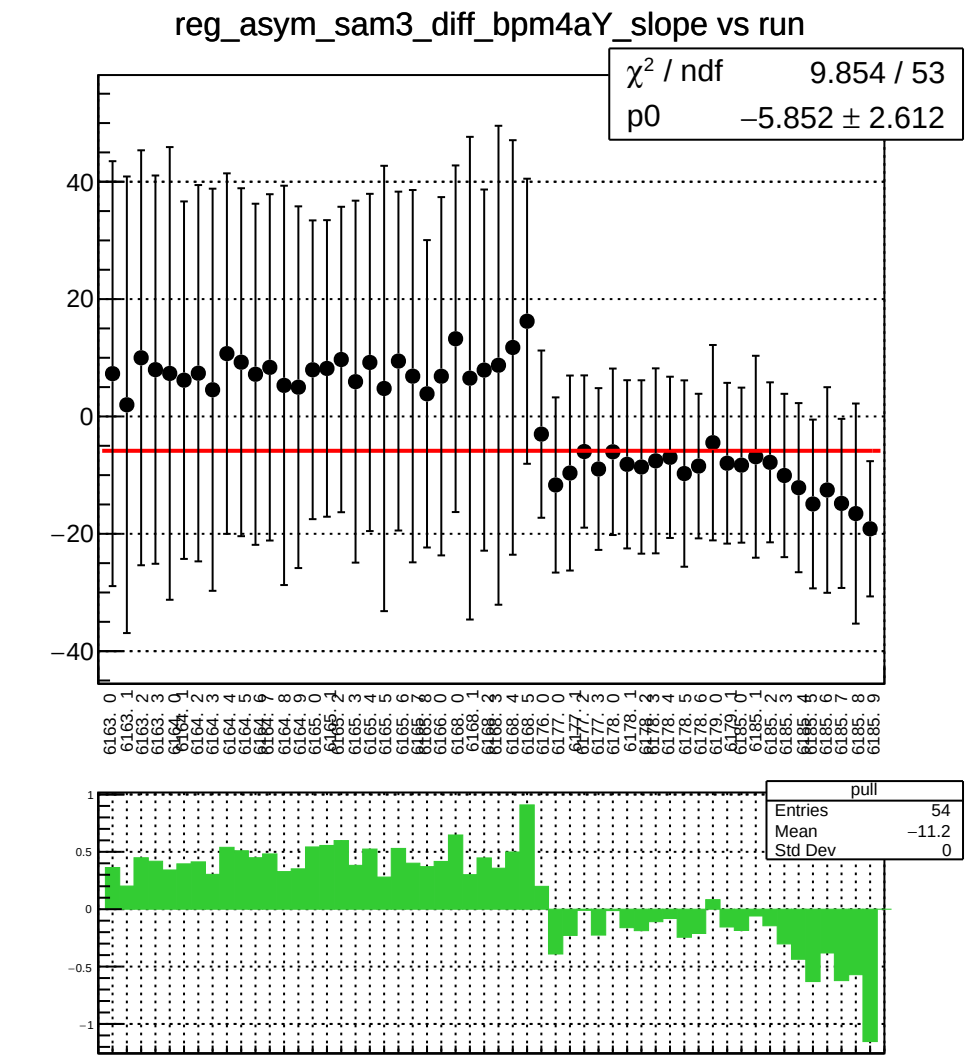

pull1D
Entries 54
Mean −0.006733
Std Dev 0.2222

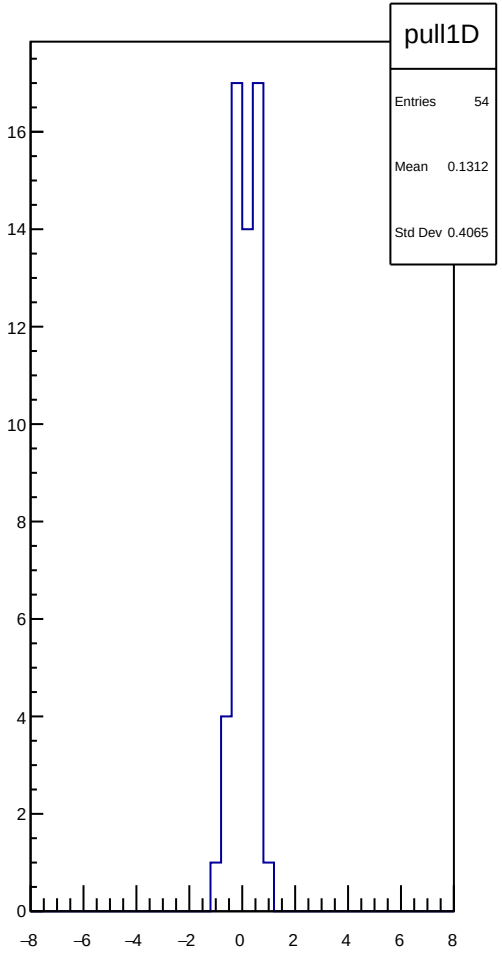

reg_asym_sam2_diff_bpm4eY_slope vs run
χ² / ndf 3.034 / 53
p0 −171.4 ± 5.728
pull
Entries 54
Mean −54.99
Std Dev 0

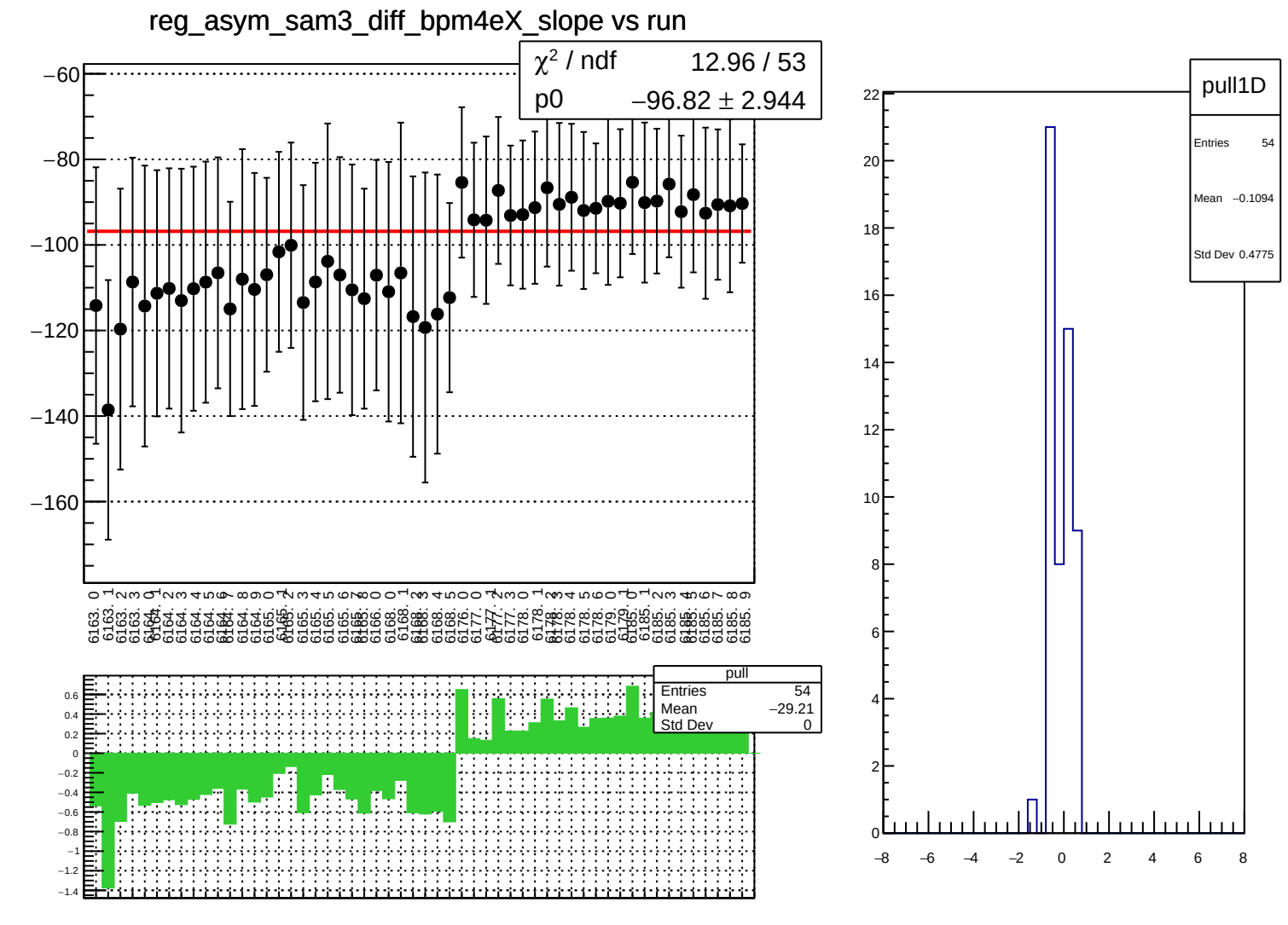

pull1D
Entries 54
Mean −0.03506
Std Dev 0.2344

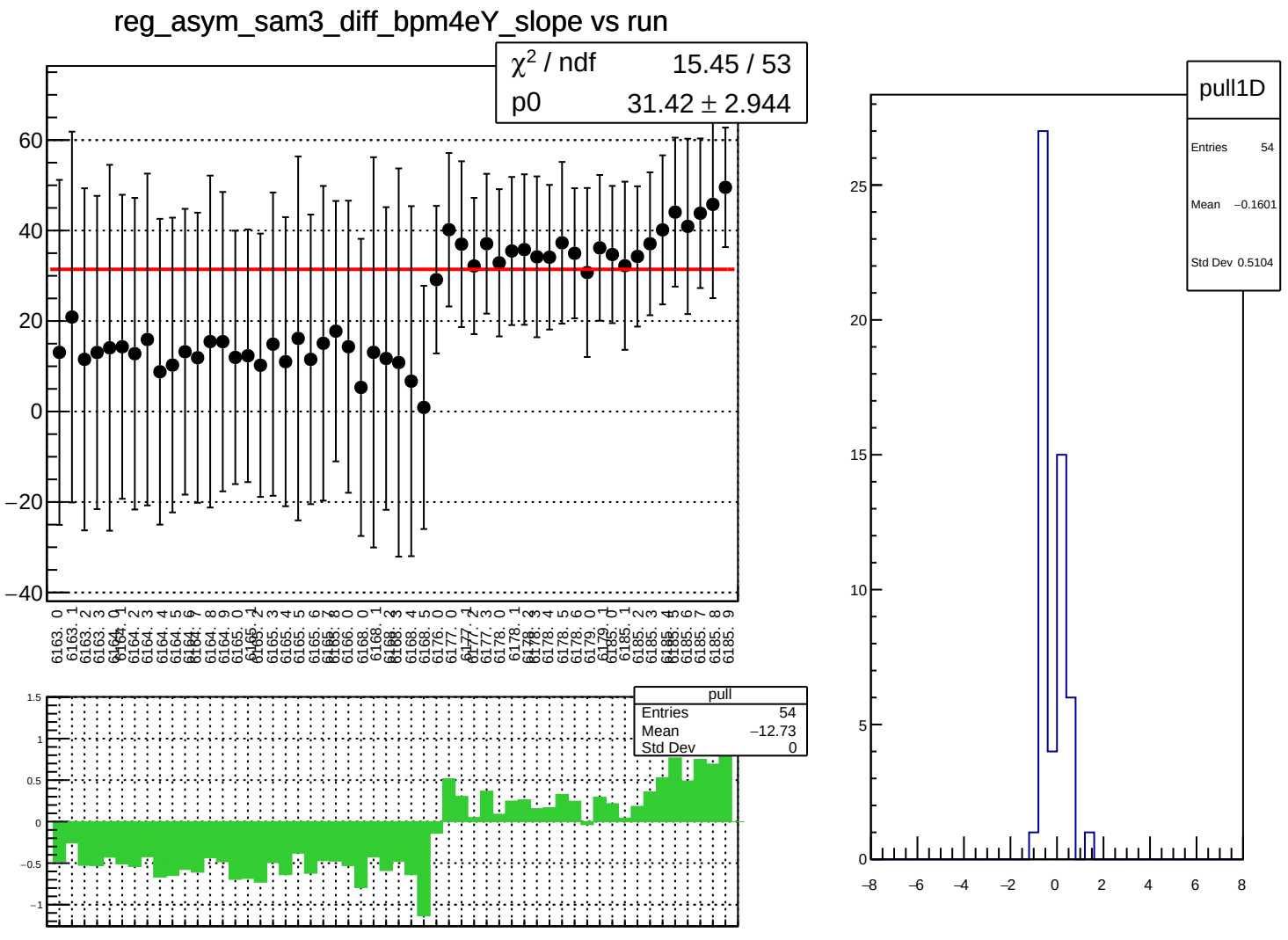

reg_asym_sam2_diff_bpm12X_slope vs run
χ² / ndf 5.345 / 53
p0 −0.3543 ± 0.4496
pull
Entries 54
Mean −112.7
Std Dev 0
pull1D
Entries 54
Mean −0.02235
Std Dev 0.3138

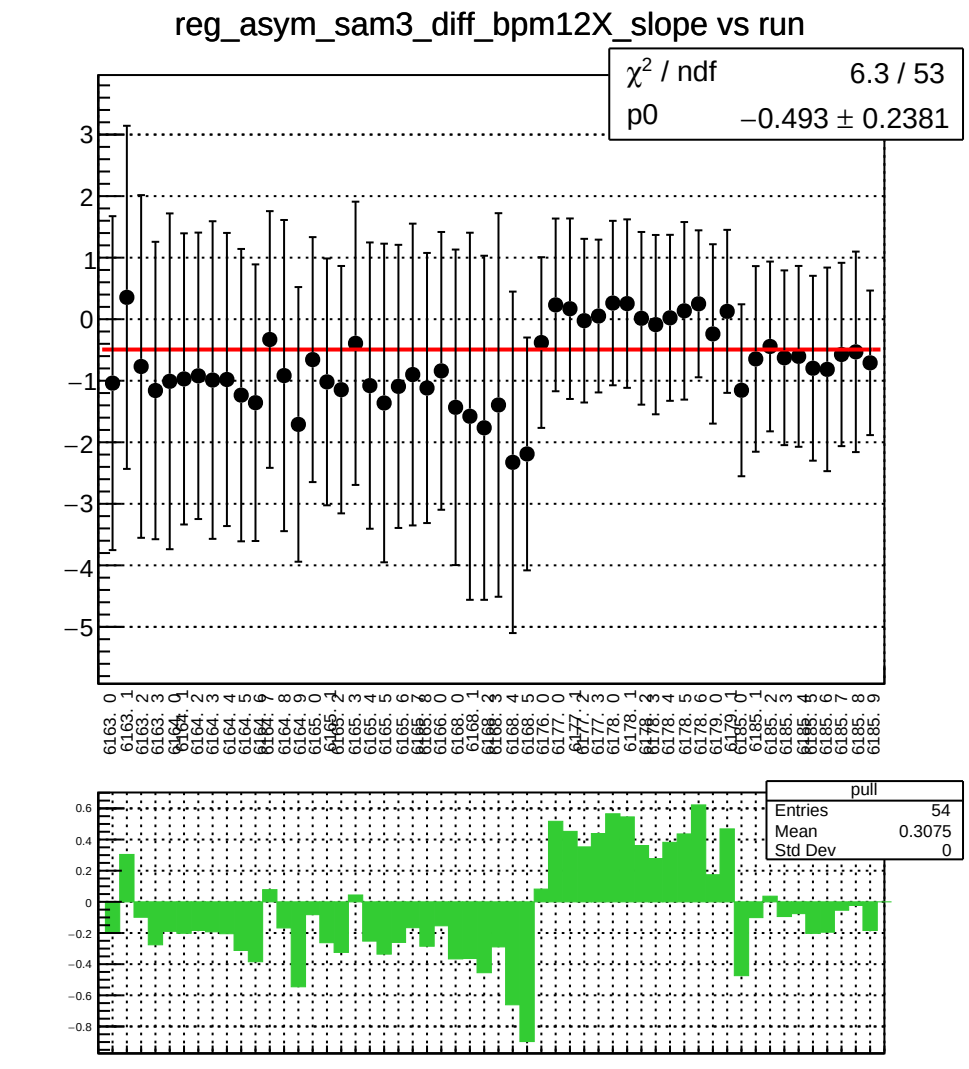

reg_asym_sam3_diff_bpm1X_slope vs run
χ² / ndf 9.353 / 53
p0 −27.23 ± 2.571
pull
Entries 54
Mean −36.93
Std Dev 0
pull1D
Entries 54
Mean 0.07058
Std Dev 0.4101

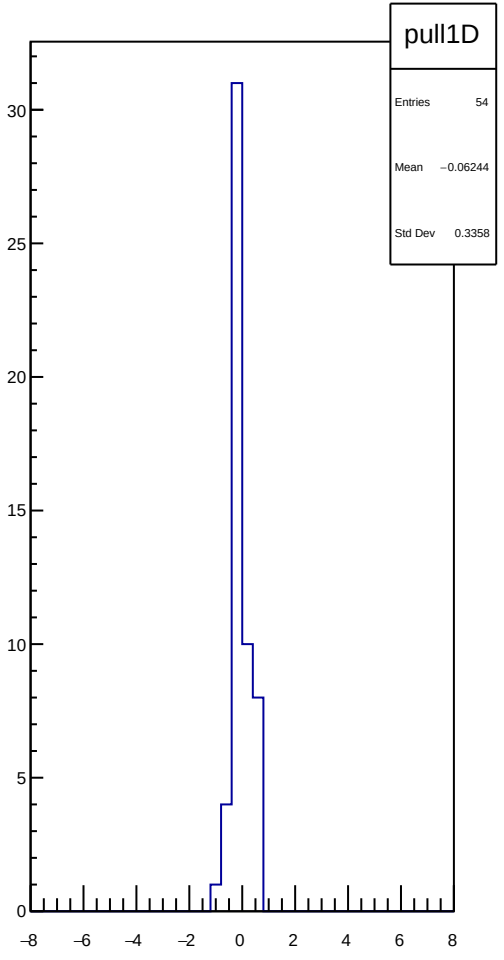

reg_asym_sam3_diff_bpm4aY_slope vs run
χ² / ndf 9.854 / 53
p0 −5.852 ± 2.612
pull
Entries 54
Mean −11.2
Std Dev 0

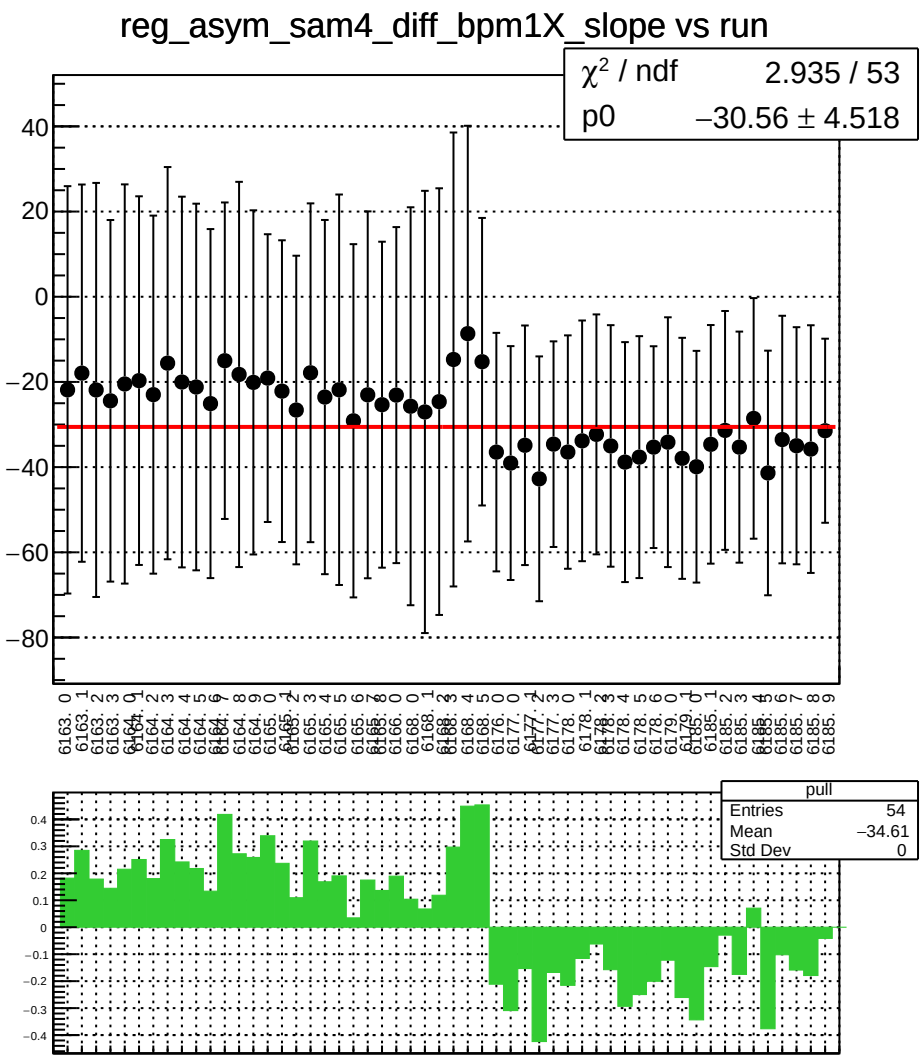

pull1D
Entries 54
Mean 0.1312
Std Dev 0.4065

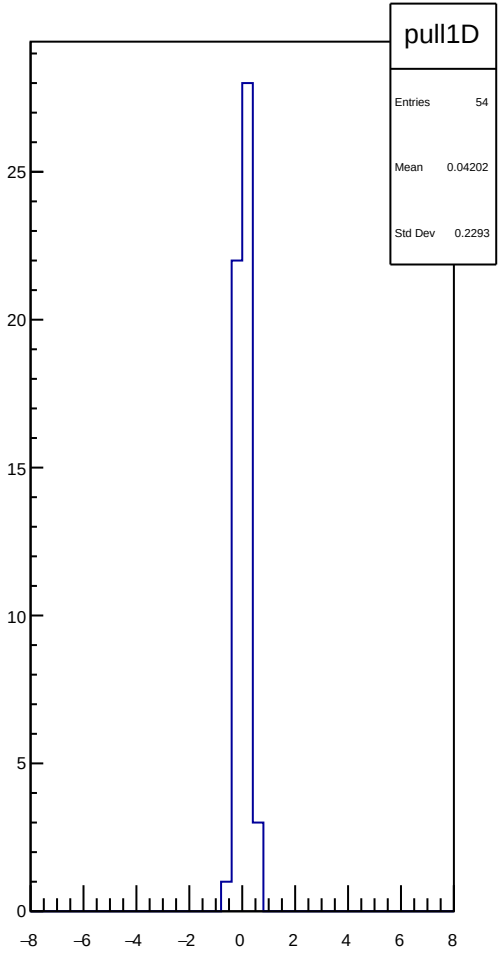

reg_asym_sam3_diff_bpm4eX_slope vs run
χ² / ndf 12.96 / 53
p0 −96.82 ± 2.944
pull
Entries 54
Mean −29.21
Std Dev 0
pull1D
Entries 54
Mean −0.1094
Std Dev 0.4775

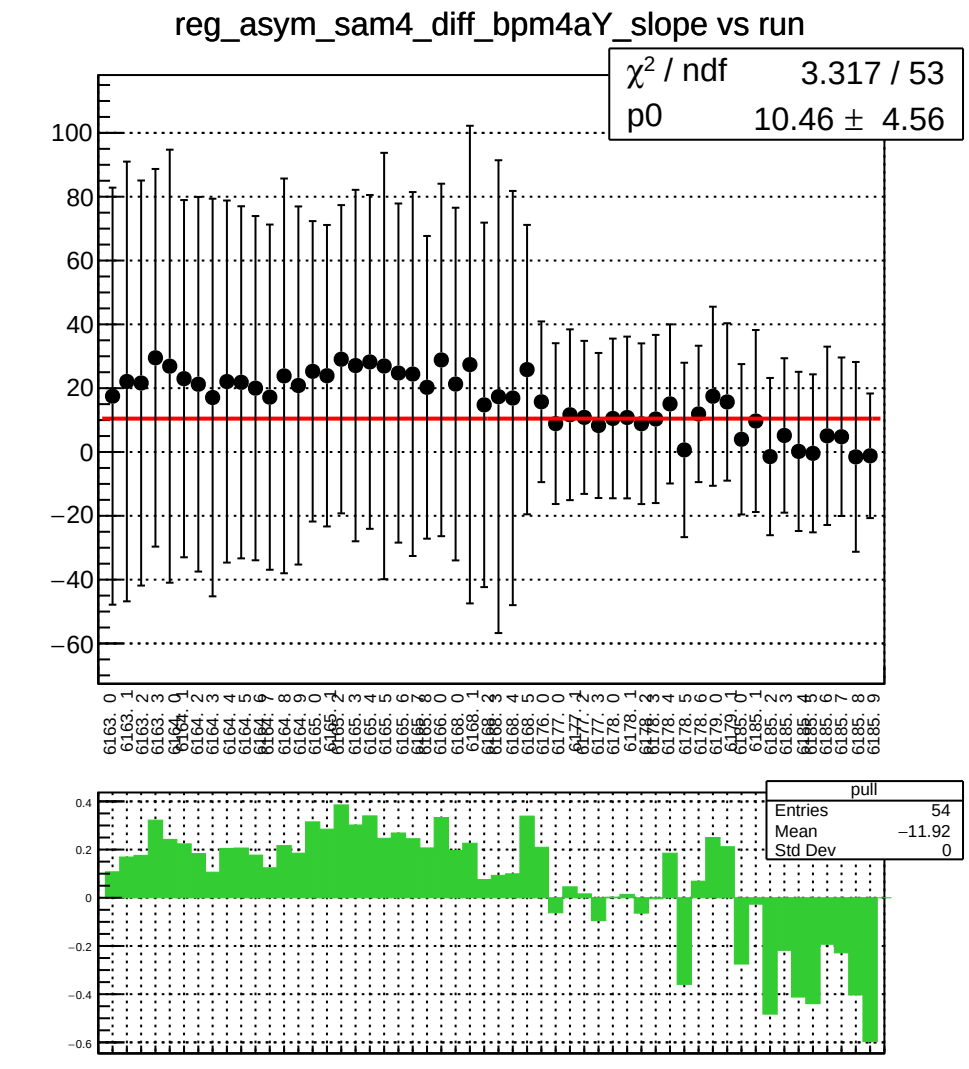

reg_asym_sam3_diff_bpm4eY_slope vs run
χ² / ndf 15.45 / 53
p0 31.42 ± 2.944
pull
Entries 54
Mean −12.73
Std Dev 0
pull1D
Entries 54
Mean −0.1601
Std Dev 0.5104

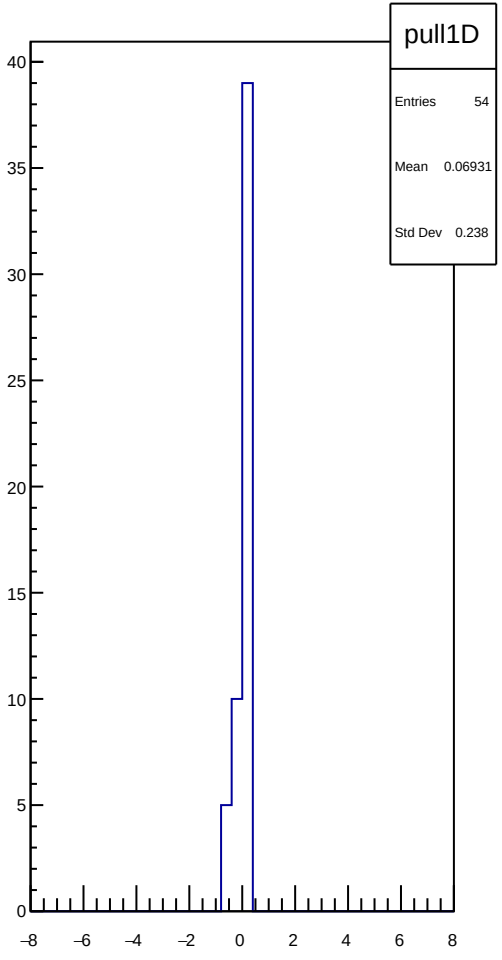

reg_asym_sam3_diff_bpm12X_slope vs run
χ² / ndf 6.3 / 53
p0 −0.493 ± 0.2381
pull
Entries 54
Mean 0.3075
Std Dev 0

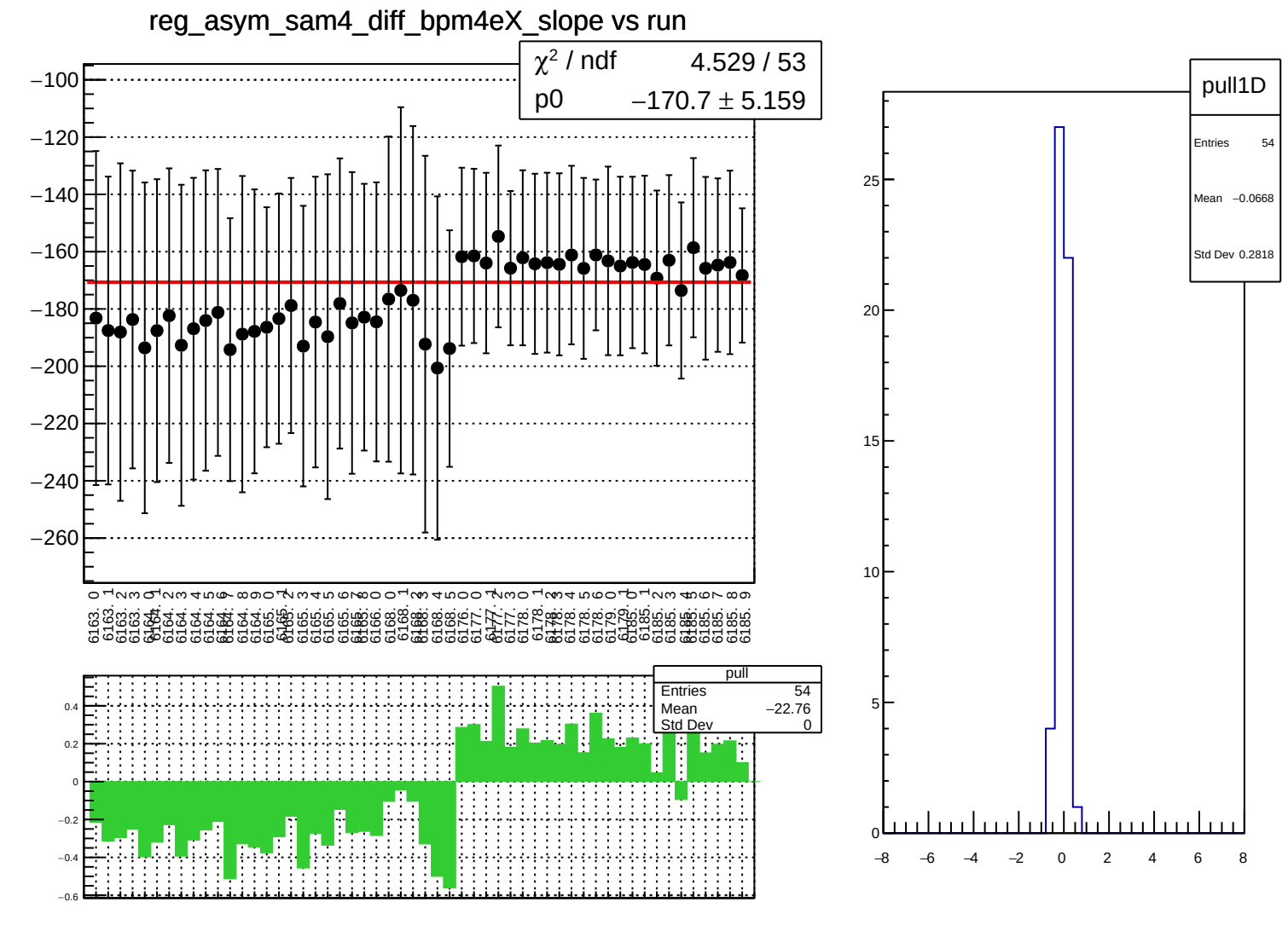

pull1D
Entries 54
Mean −0.06244
Std Dev 0.3358

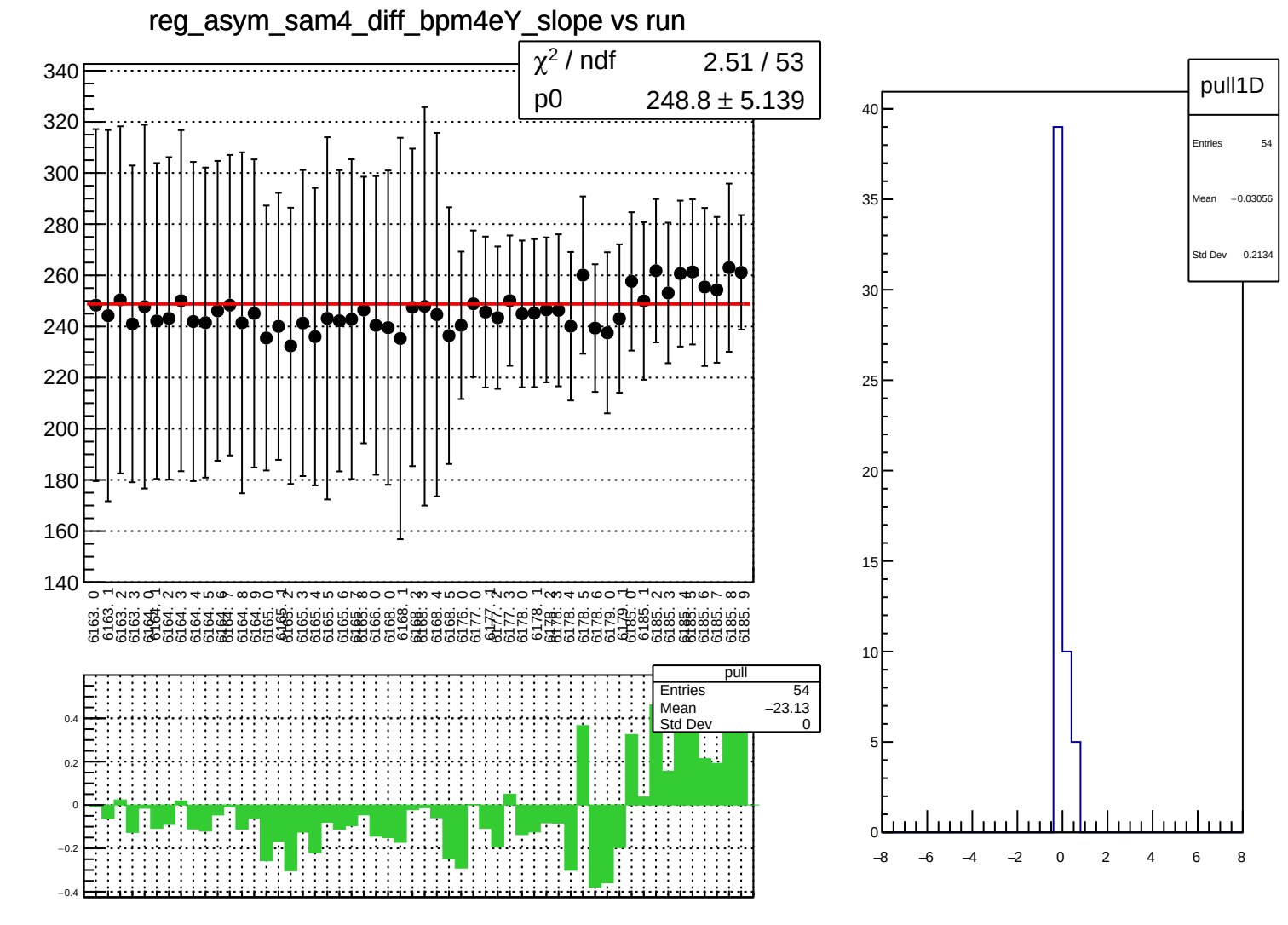

reg_asym_sam4_diff_bpm1X_slope vs run
χ² / ndf 2.935 / 53
p0 −30.56 ± 4.518
pull
Entries 54
Mean −34.61
Std Dev 0

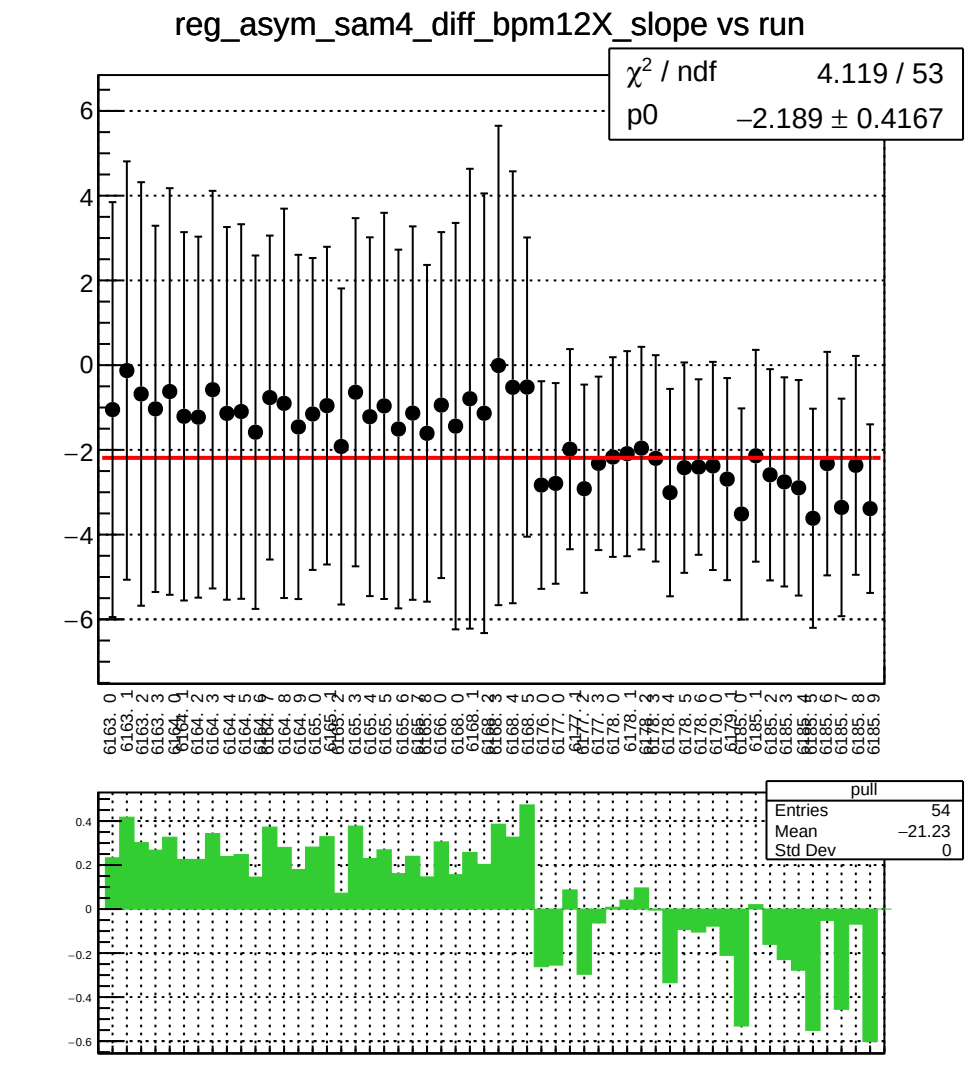

pull1D
Entries 54
Mean 0.04202
Std Dev 0.2293

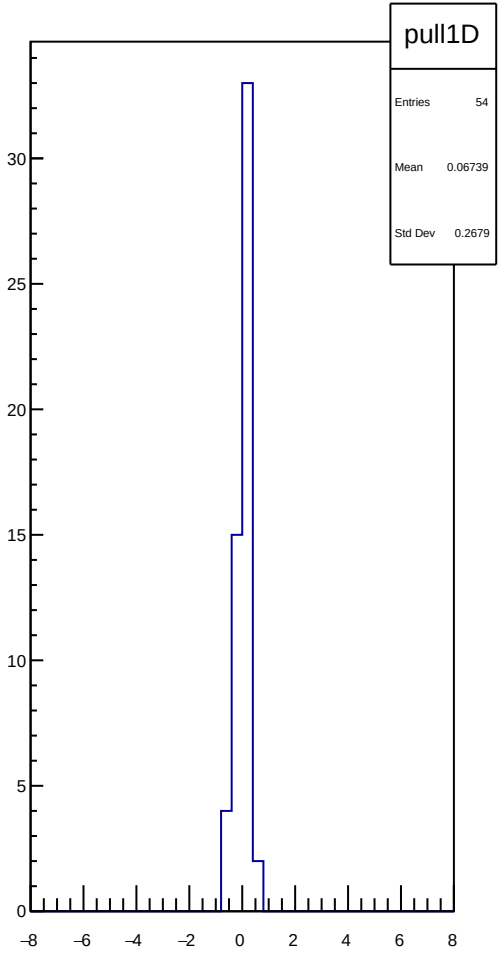

reg_asym_sam4_diff_bpm4aY_slope vs run
χ² / ndf 3.317 / 53
p0 10.46 ± 4.56
pull
Entries 54
Mean −11.92
Std Dev 0

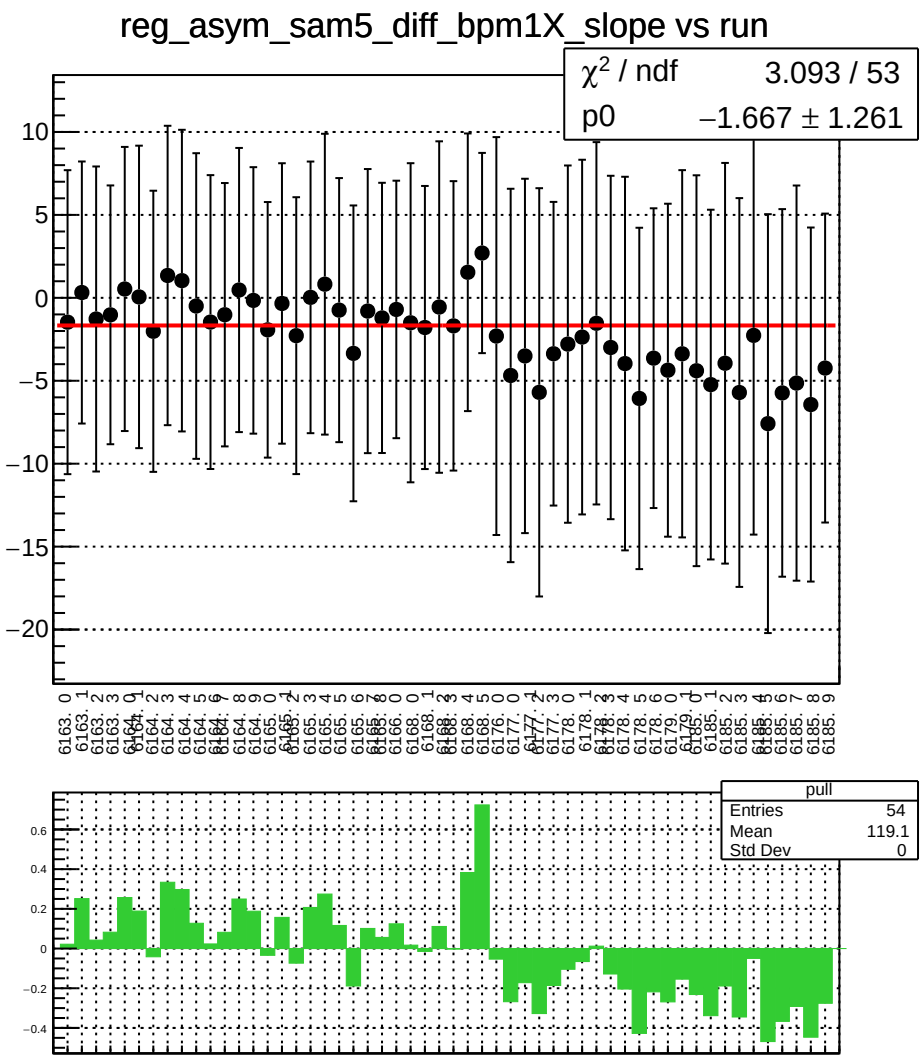

pull1D
Entries 54
Mean 0.06931
Std Dev 0.238

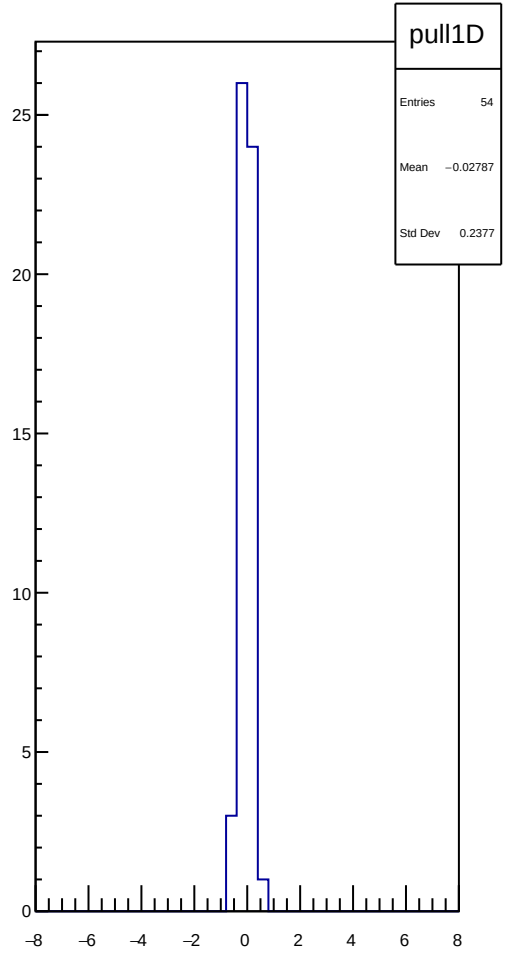

reg_asym_sam4_diff_bpm4eX_slope vs run
χ² / ndf 4.529 / 53
p0 −170.7 ± 5.159
pull
Entries 54
Mean −22.76
Std Dev 0
pull1D
Entries 54
Mean −0.0668
Std Dev 0.2818

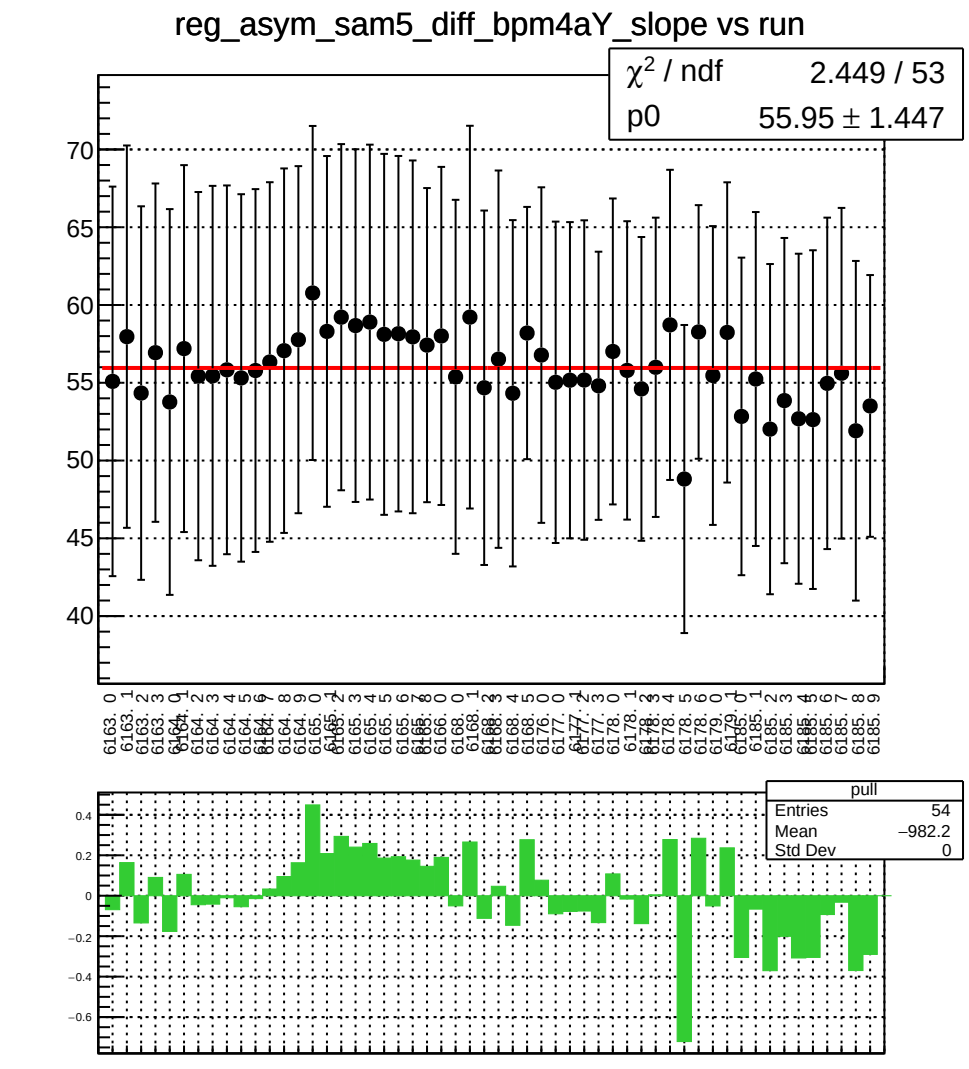

reg_asym_sam4_diff_bpm4eY_slope vs run
χ² / ndf 2.51 / 53
p0 248.8 ± 5.139
pull
Entries 54
Mean −23.13
Std Dev 0
pull1D
Entries 54
Mean −0.03056
Std Dev 0.2134

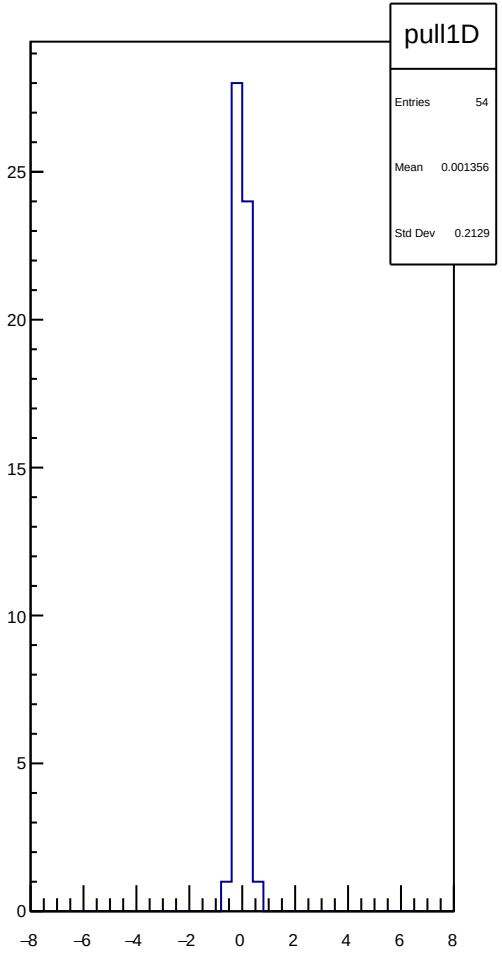

reg_asym_sam4_diff_bpm12X_slope vs run
χ² / ndf 4.119 / 53
p0 −2.189 ± 0.4167
pull
Entries 54
Mean −21.23
Std Dev 0

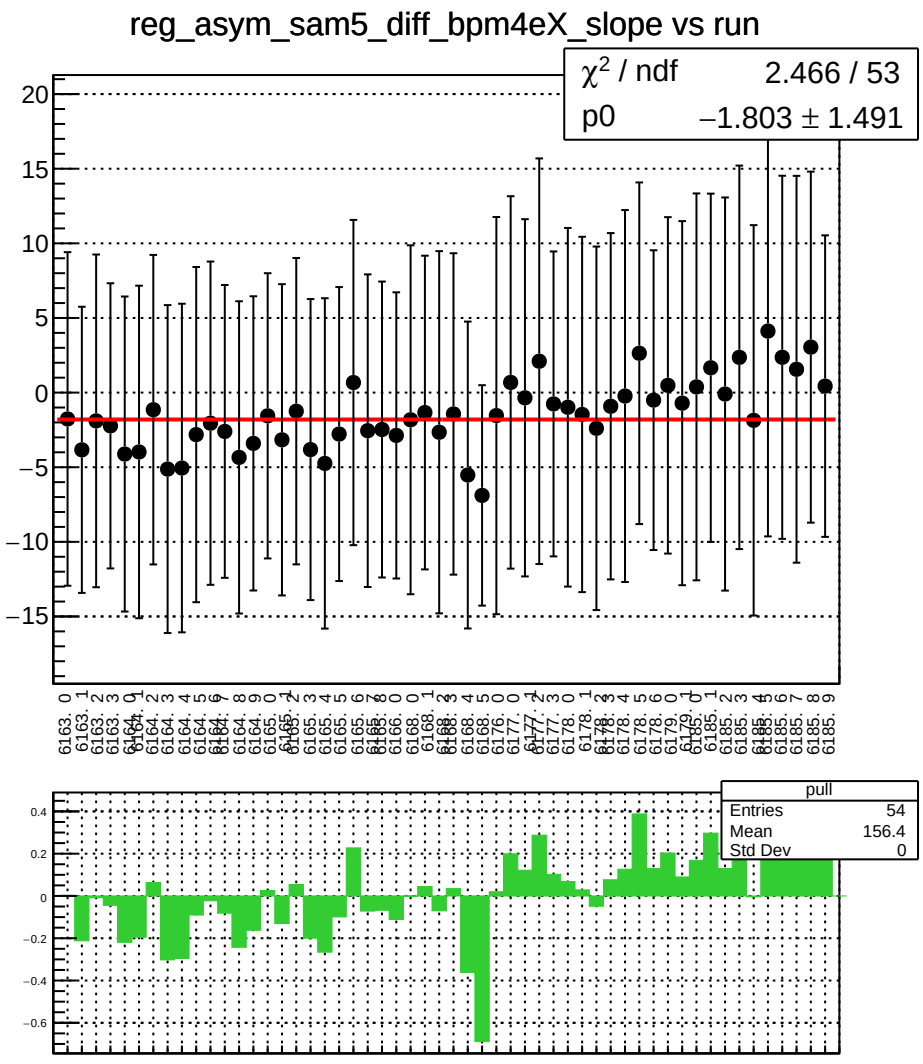

pull1D
Entries 54
Mean 0.06739
Std Dev 0.2679

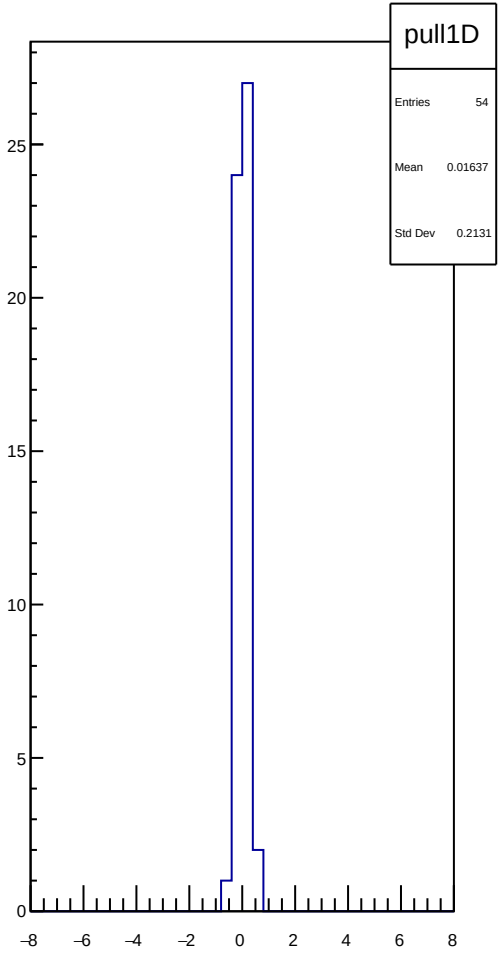

reg_asym_sam5_diff_bpm1X_slope vs run
χ² / ndf 3.093 / 53
p0 −1.667 ± 1.261
pull
Entries 54
Mean 119.1
Std Dev 0

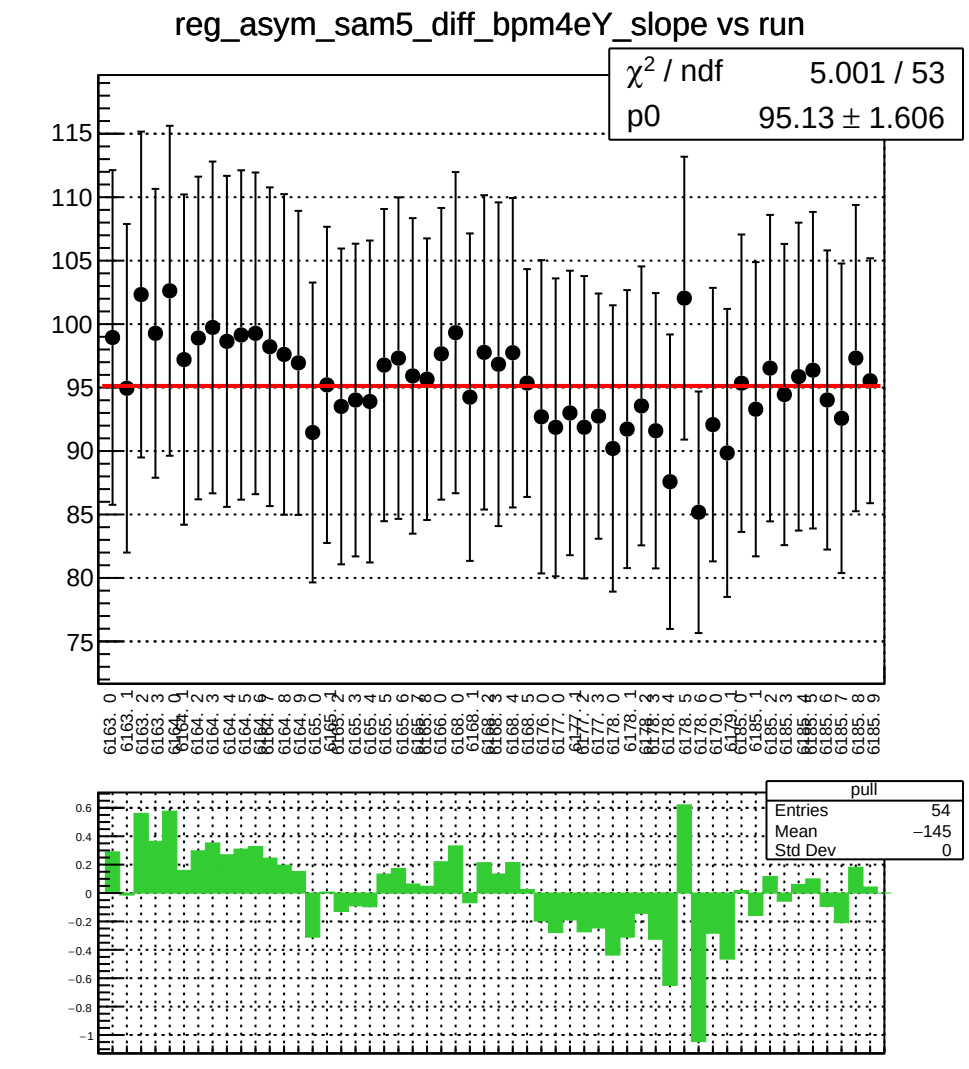

pull1D
Entries 54
Mean −0.02787
Std Dev 0.2377

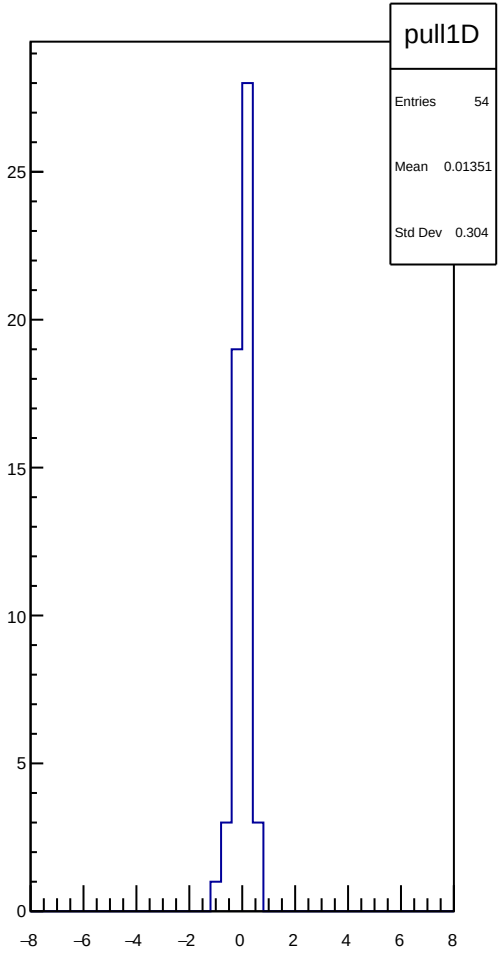

reg_asym_sam5_diff_bpm4aY_slope vs run
χ² / ndf 2.449 / 53
p0 55.95 ± 1.447
70
65
60
55
50
45
40
pull
Entries 54
Mean −982.2
Std Dev 0
0.4
0.2
0
−0.2
−0.4
−0.6

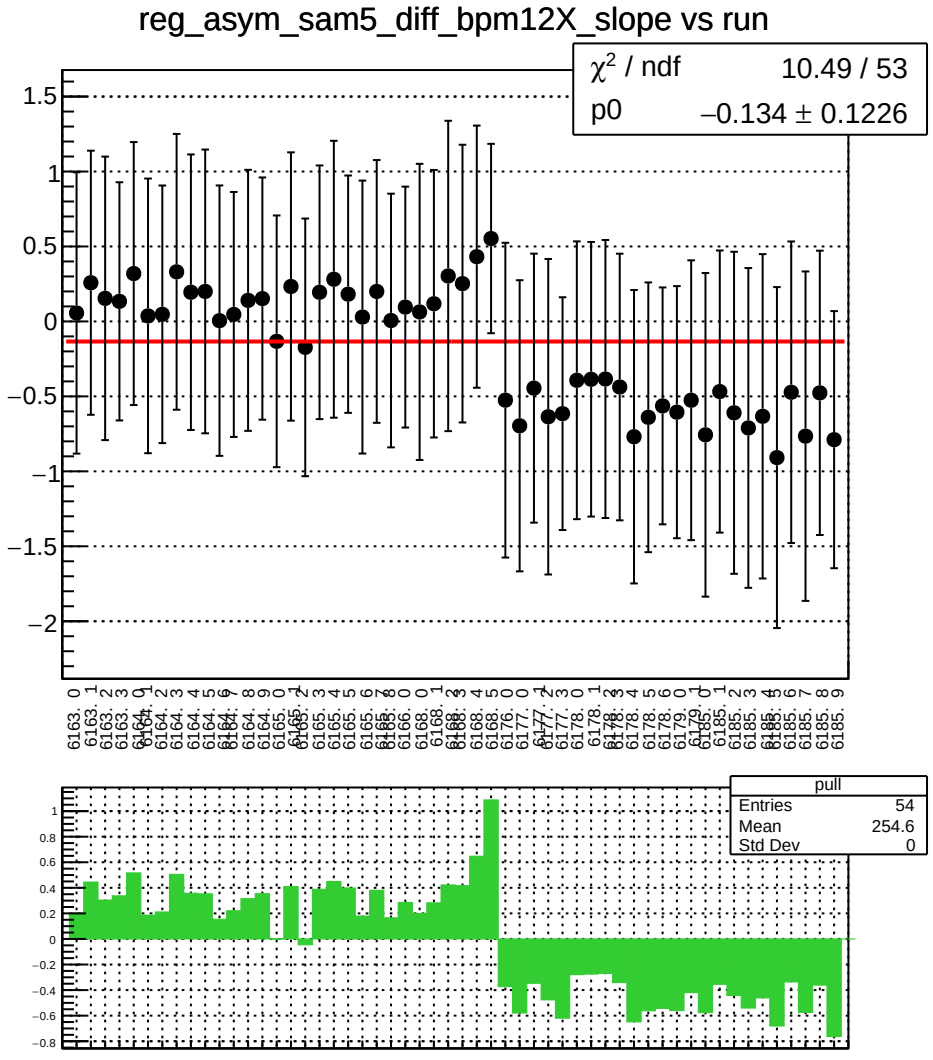

pull1D
Entries 54
Mean 0.001356
Std Dev 0.2129
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

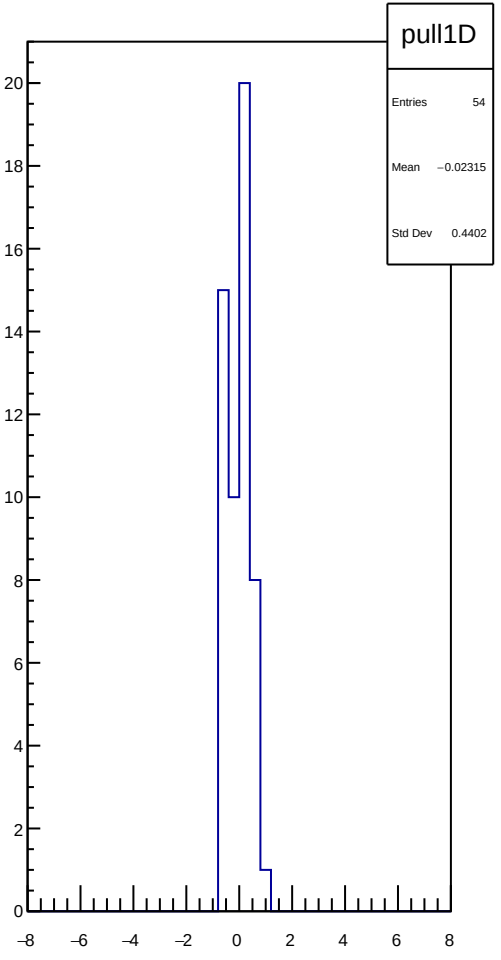

reg_asym_sam5_diff_bpm4eX_slope vs run
χ² / ndf 2.466 / 53
p0 −1.803 ± 1.491
pull
Entries 54
Mean 156.4
Std Dev 0

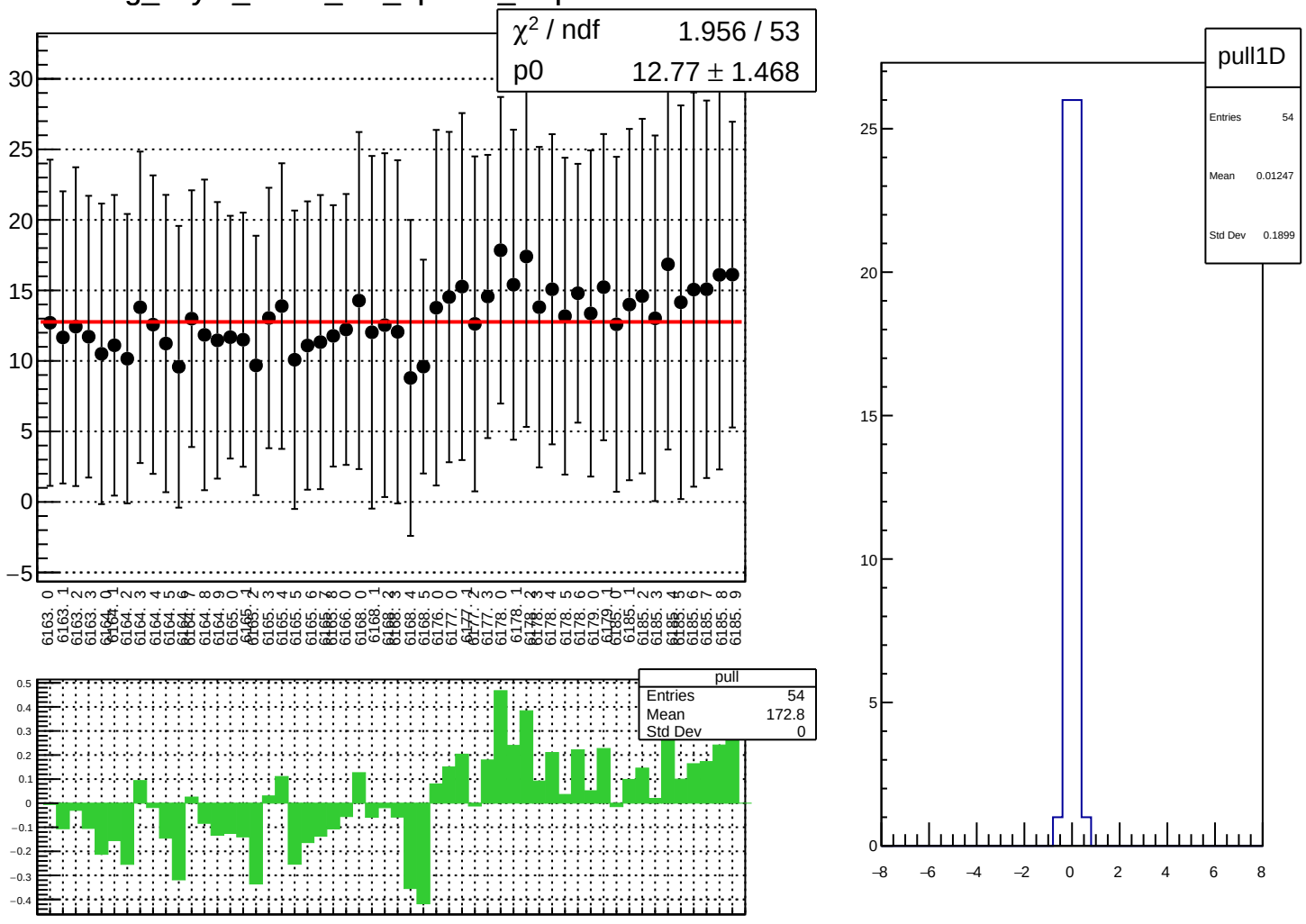

pull1D
Entries 54
Mean 0.01637
Std Dev 0.2131

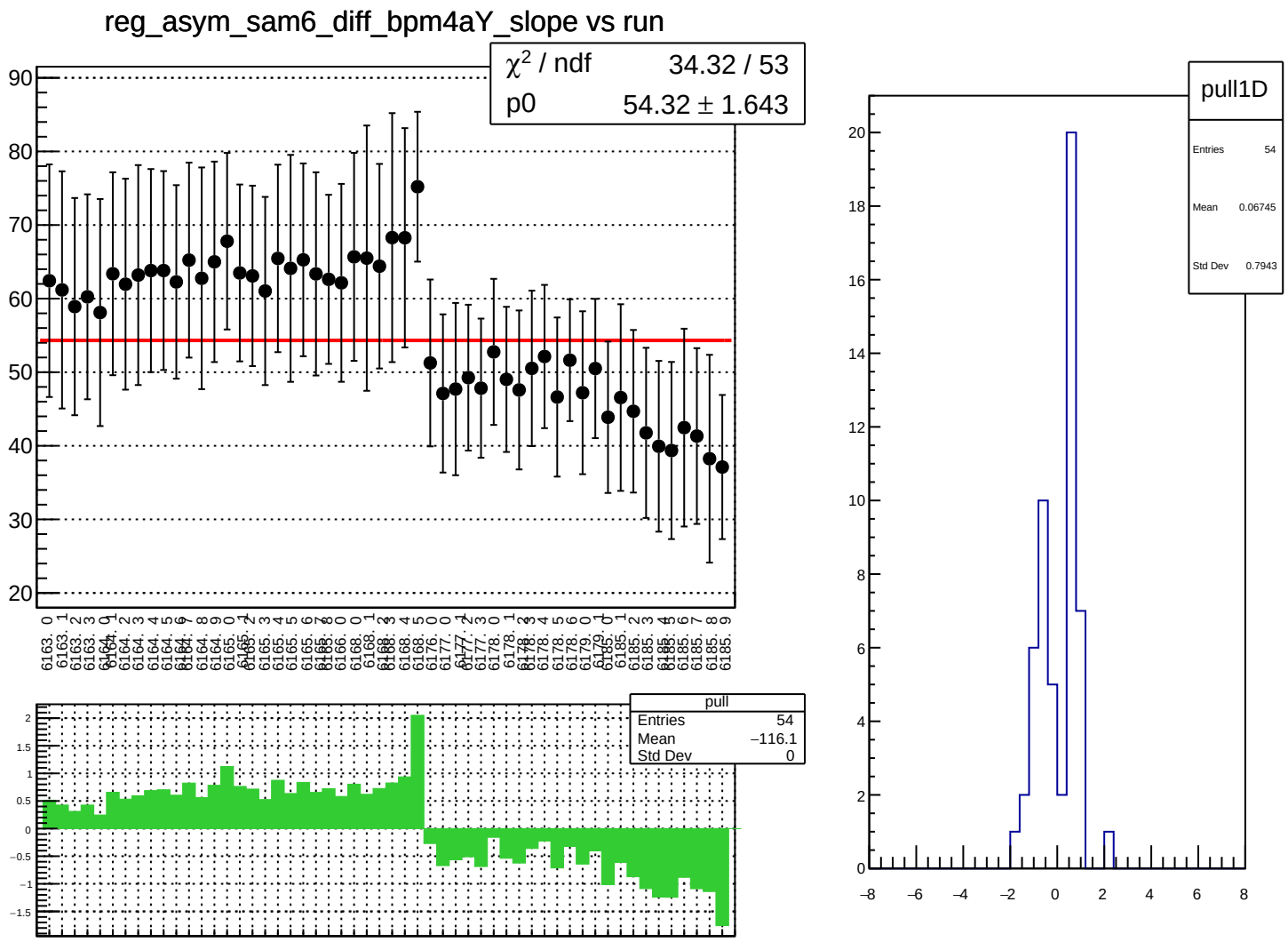

reg_asym_sam5_diff_bpm4eY_slope vs run
χ² / ndf 5.001 / 53
p0 95.13 ± 1.606
pull
Entries 54
Mean −145
Std Dev 0

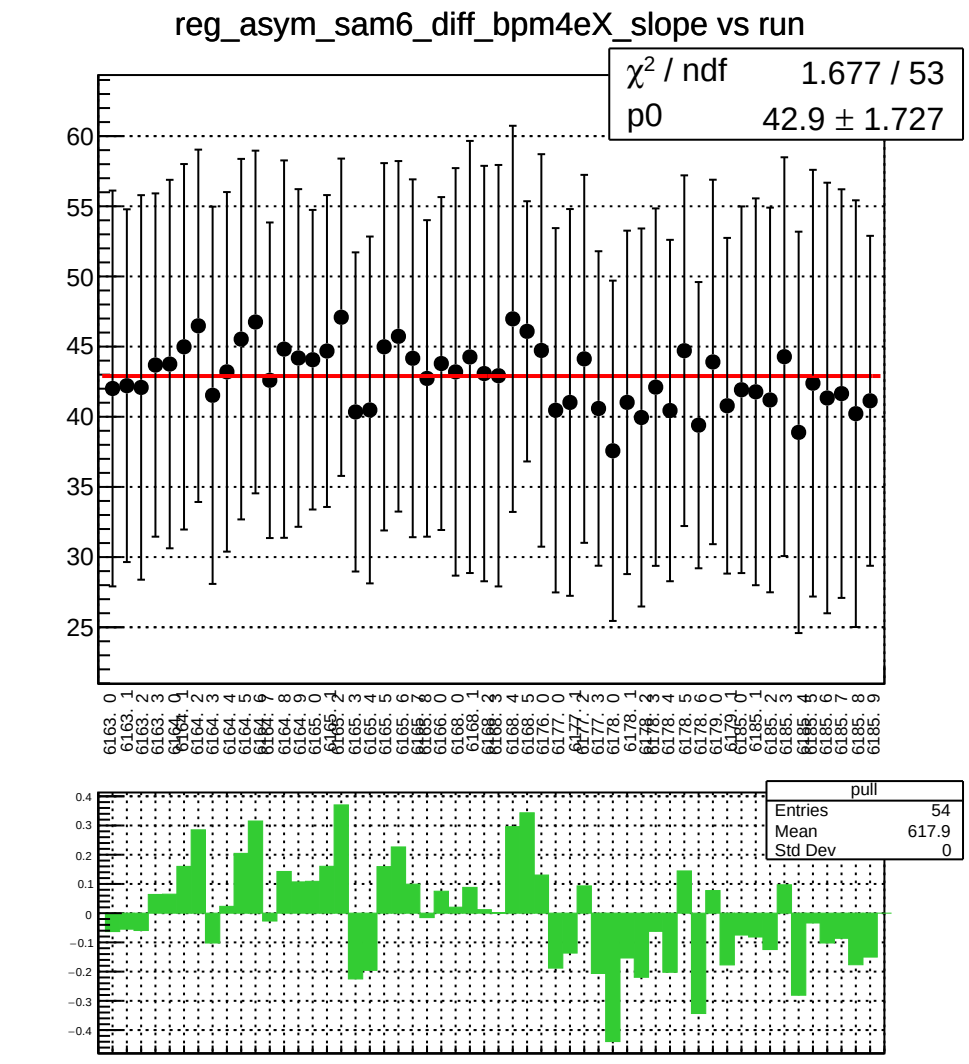

pull1D
Entries 54
Mean 0.01351
Std Dev 0.304

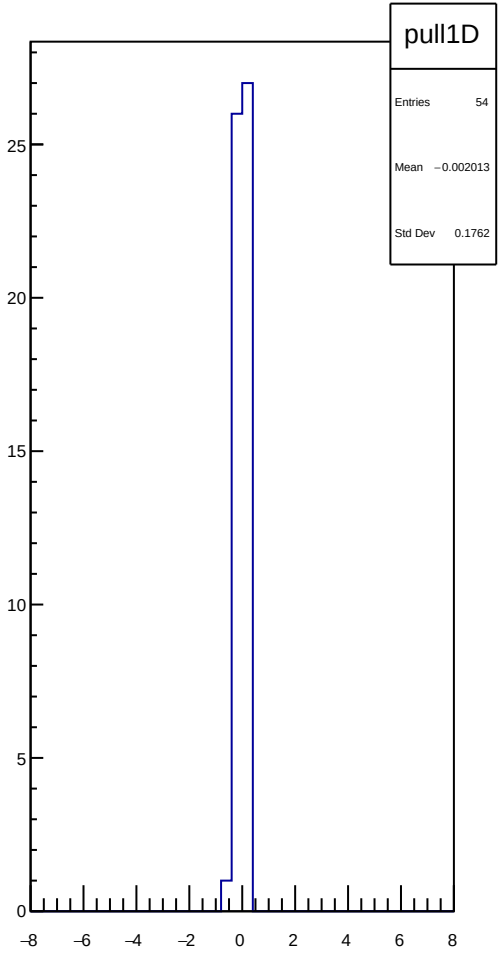

reg_asym_sam5_diff_bpm12X_slope vs run
χ² / ndf 10.49 / 53
p0 −0.134 ± 0.1226
pull
Entries 54
Mean 254.6
Std Dev 0

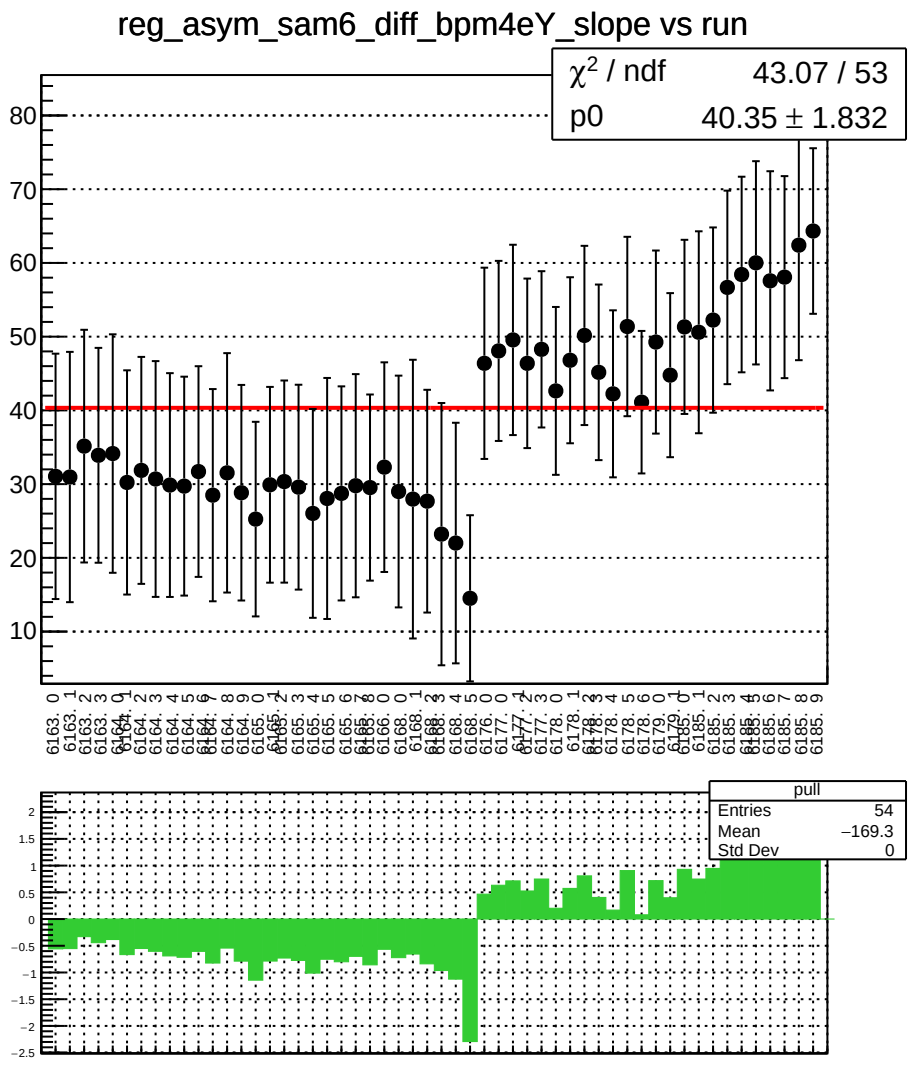

pull1D
Entries 54
Mean −0.02315
Std Dev 0.4402

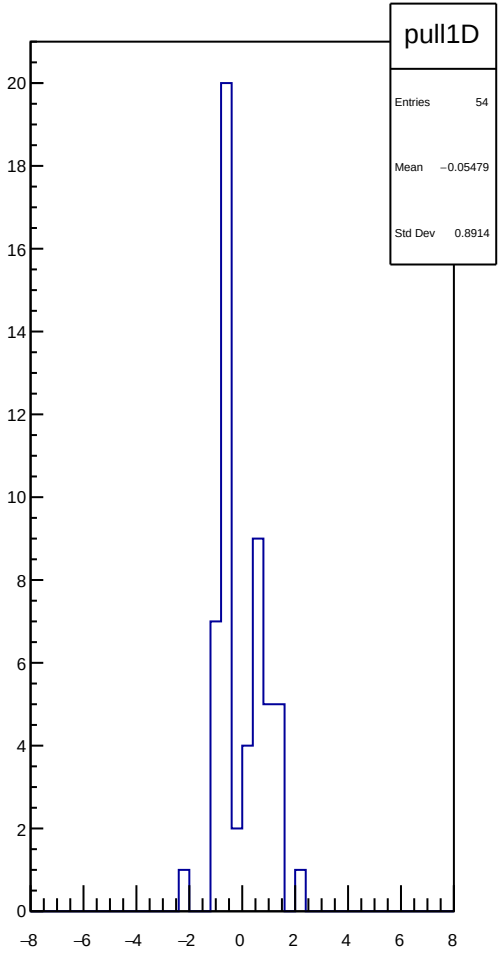

reg_asym_sam6_diff_bpm1X_slope vs run
χ² / ndf 1.956 / 53
p0 12.77 ± 1.468
pull
Entries 54
Mean 172.8
Std Dev 0
pull1D
Entries 54
Mean 0.01247
Std Dev 0.1899

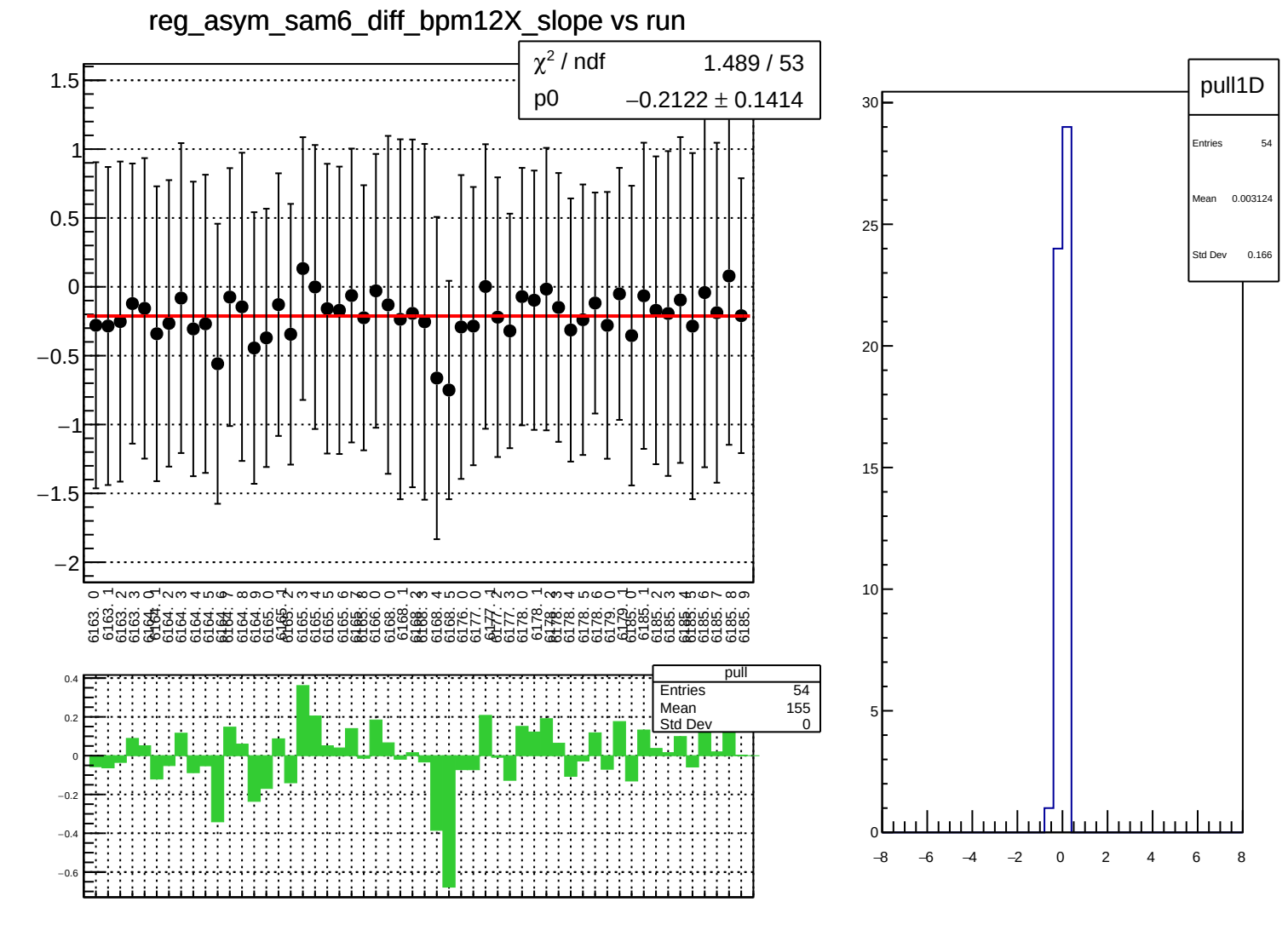

reg_asym_sam6_diff_bpm4aY_slope vs run
χ² / ndf 34.32 / 53
p0 54.32 ± 1.643
pull
Entries 54
Mean −116.1
Std Dev 0
pull1D
Entries 54
Mean 0.06745
Std Dev 0.7943

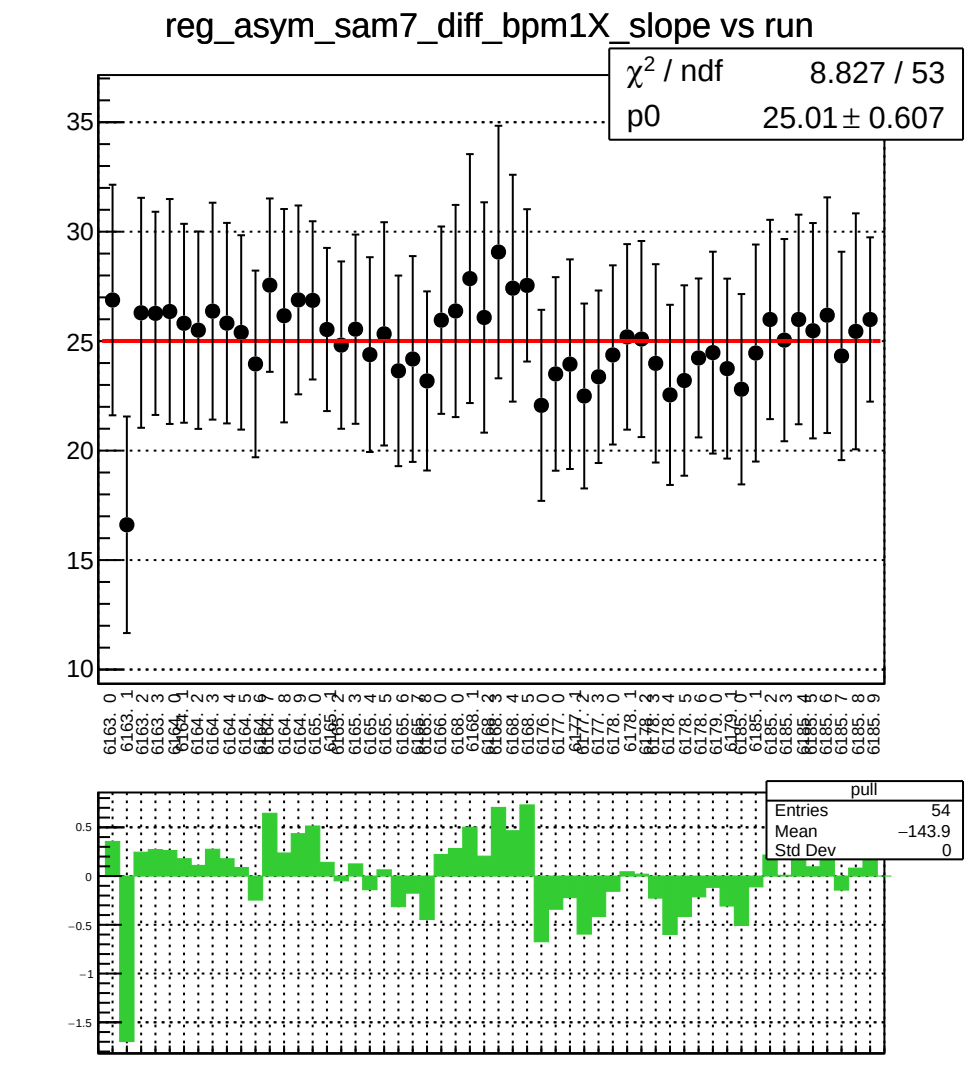

reg_asym_sam6_diff_bpm4eX_slope vs run
χ² / ndf 1.677 / 53
p0 42.9 ± 1.727
pull
Entries 54
Mean 617.9
Std Dev 0

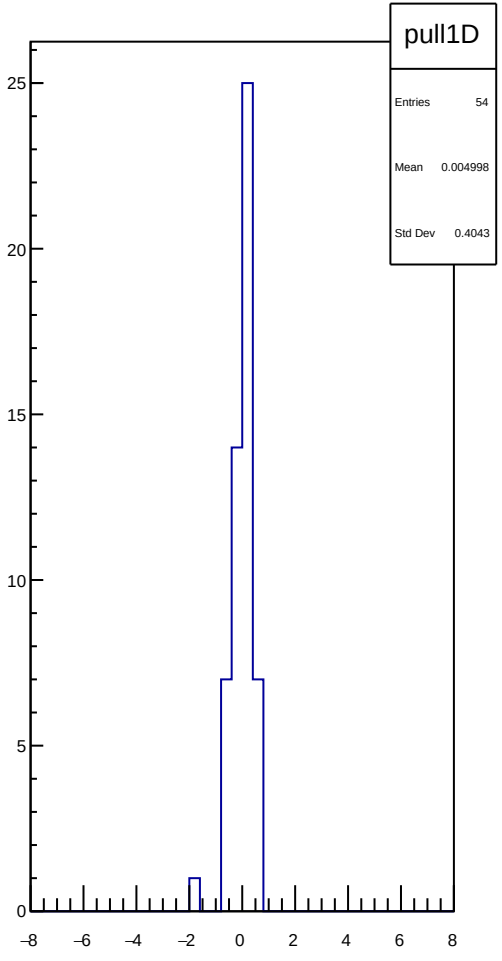

pull1D
Entries 54
Mean −0.002013
Std Dev 0.1762

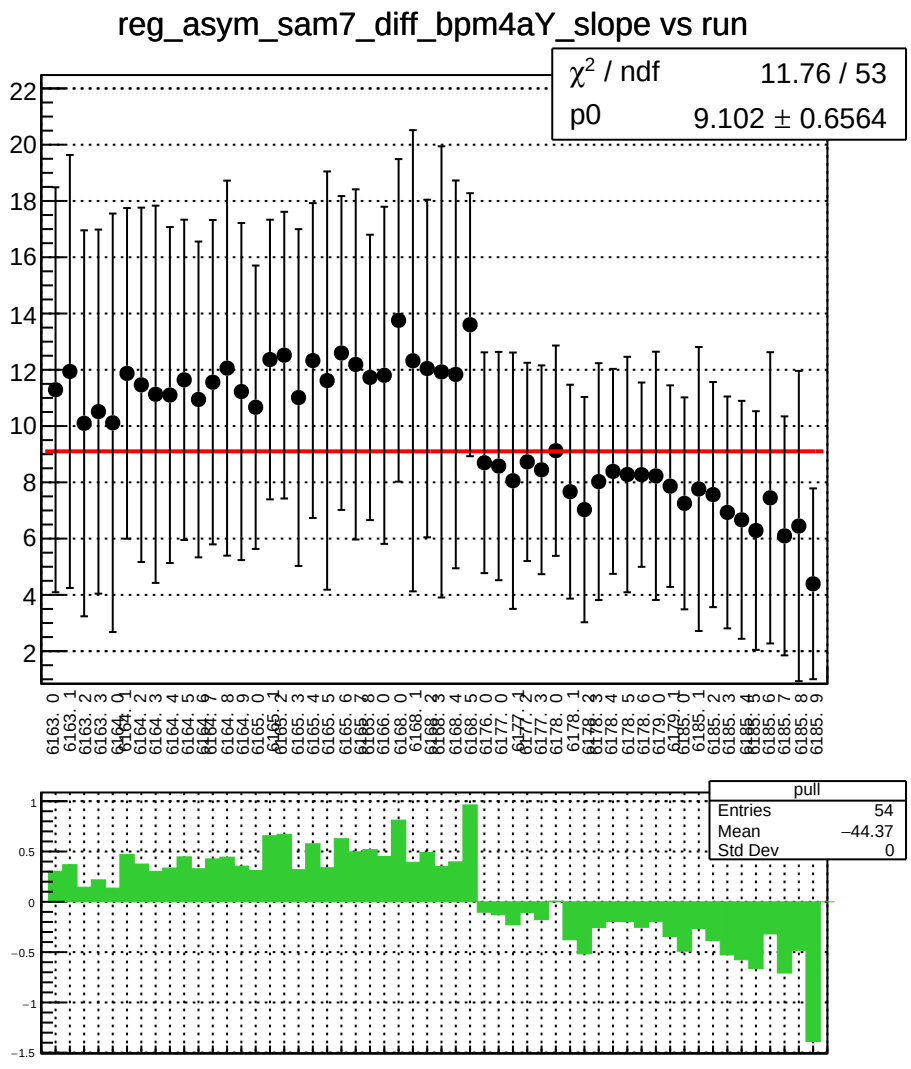

reg_asym_sam6_diff_bpm4eY_slope vs run
χ² / ndf 43.07 / 53
p0 40.35 ± 1.832
pull
Entries 54
Mean −169.3
Std Dev 0

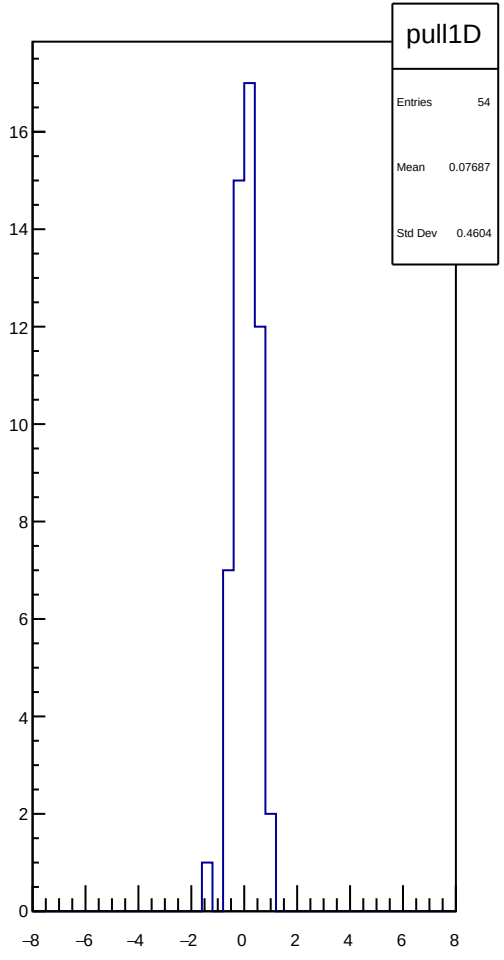

pull1D
Entries 54
Mean −0.05479
Std Dev 0.8914

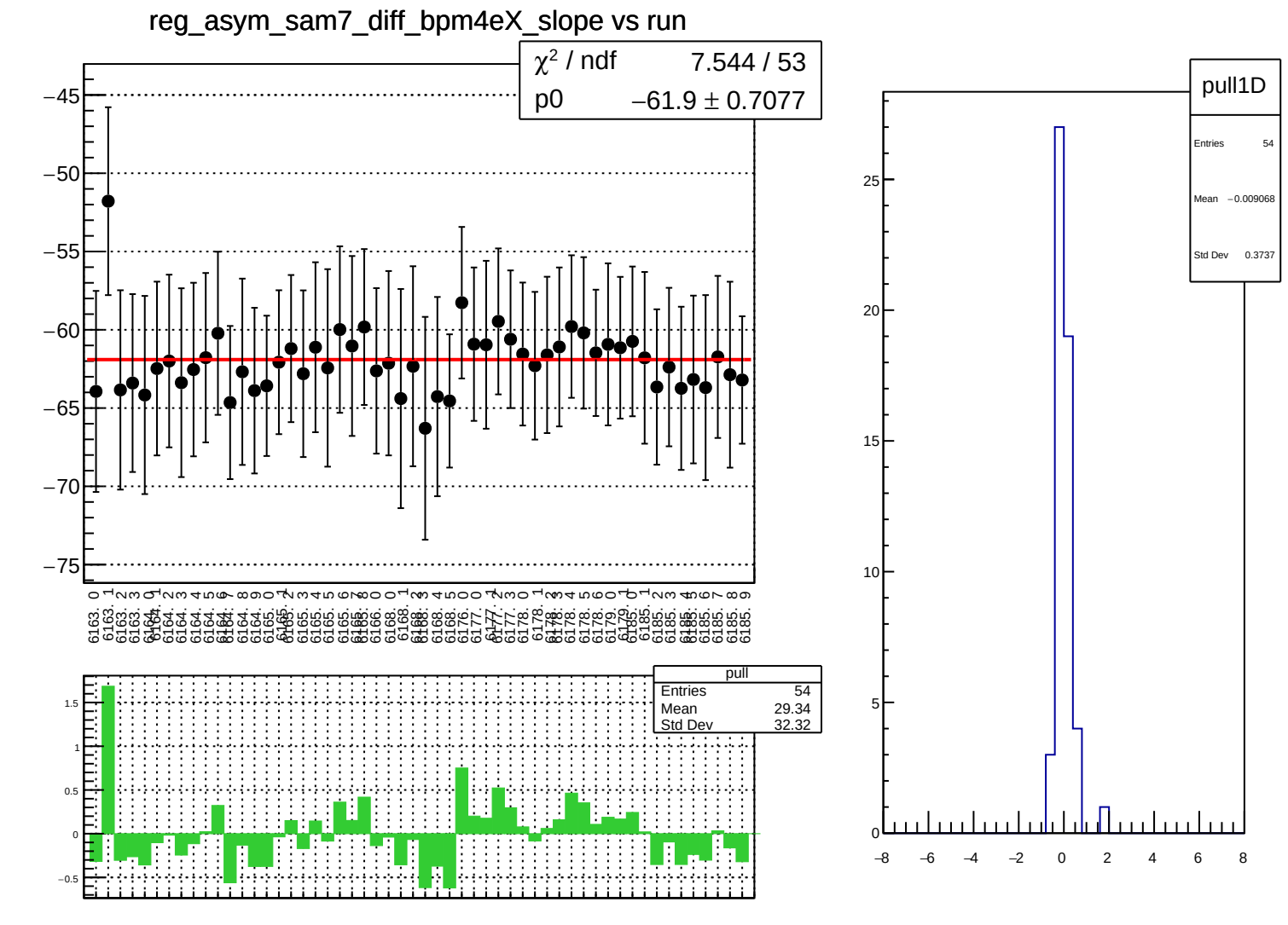

reg_asym_sam6_diff_bpm12X_slope vs run
χ² / ndf 1.489 / 53
p0 −0.2122 ± 0.1414
pull
Entries 54
Mean 155
Std Dev 0
pull1D
Entries 54
Mean 0.003124
Std Dev 0.166

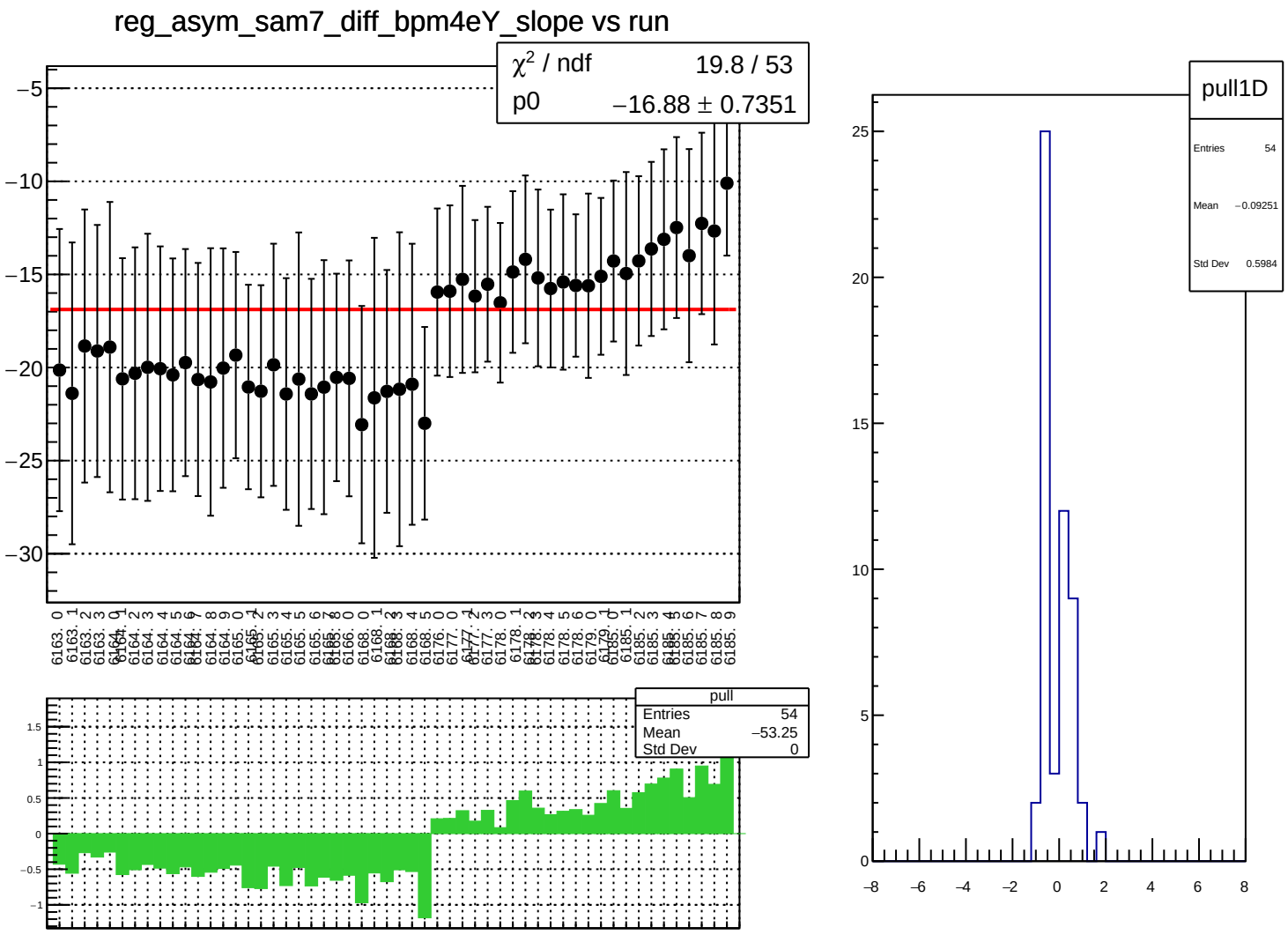

reg_asym_sam7_diff_bpm1X_slope vs run
χ² / ndf 8.827 / 53
p0 25.01 ± 0.607
pull
Entries 54
Mean −143.9
Std Dev 0

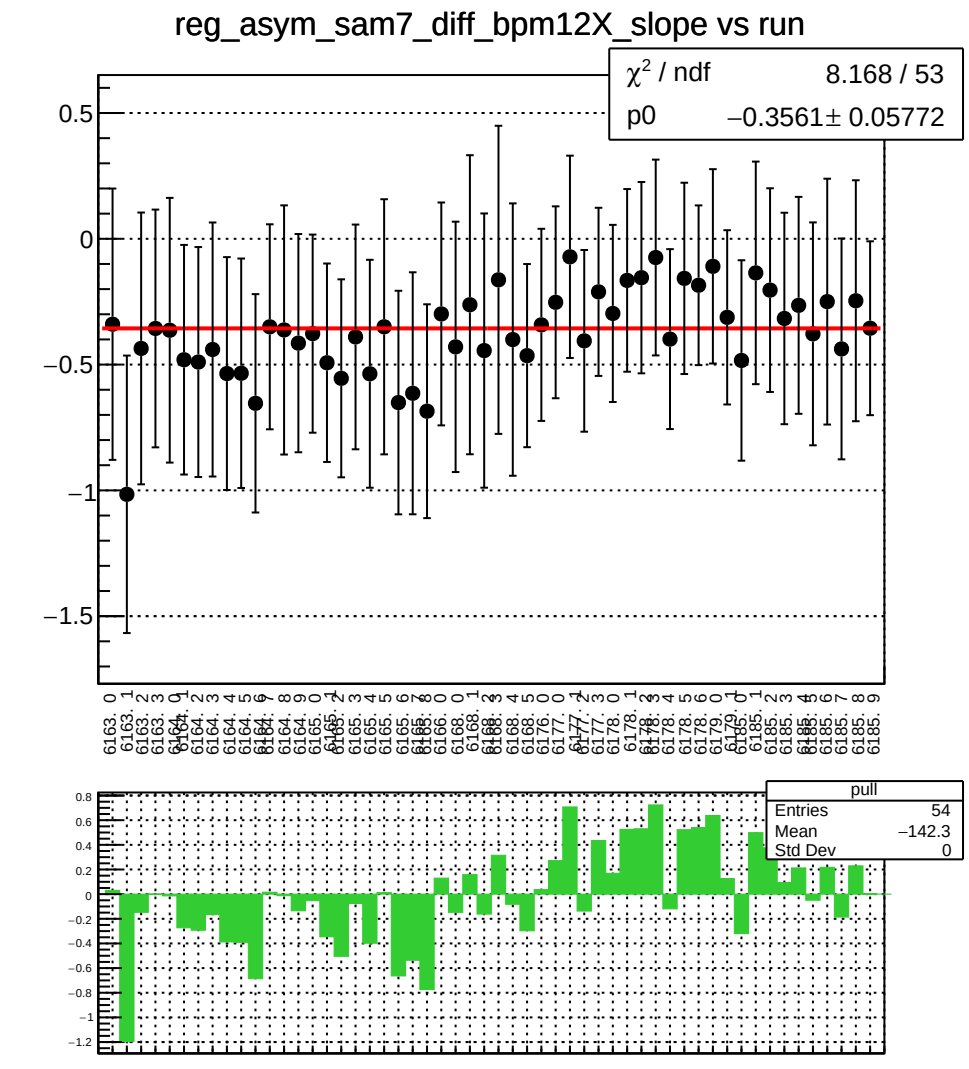

pull1D
Entries 54
Mean 0.004998
Std Dev 0.4043

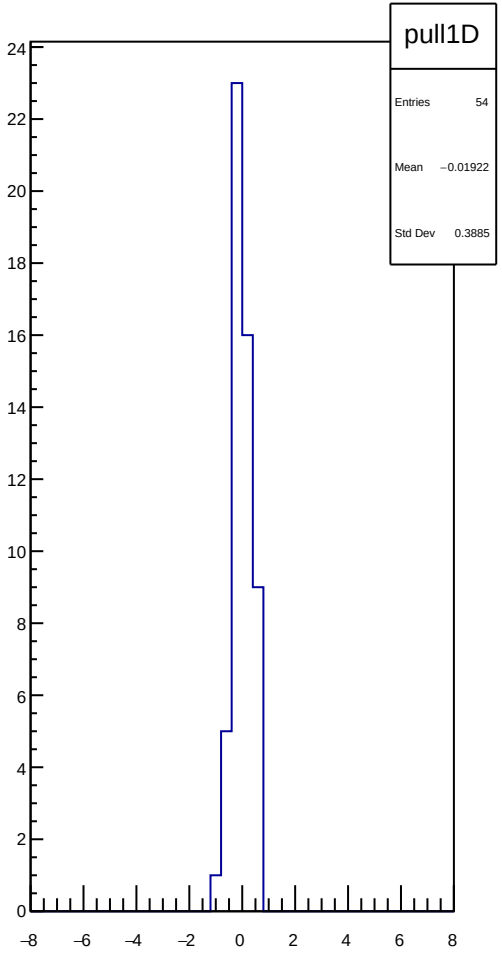

reg_asym_sam7_diff_bpm4aY_slope vs run
χ² / ndf 11.76 / 53
p0 9.102 ± 0.6564
pull
Entries 54
Mean −44.37
Std Dev 0

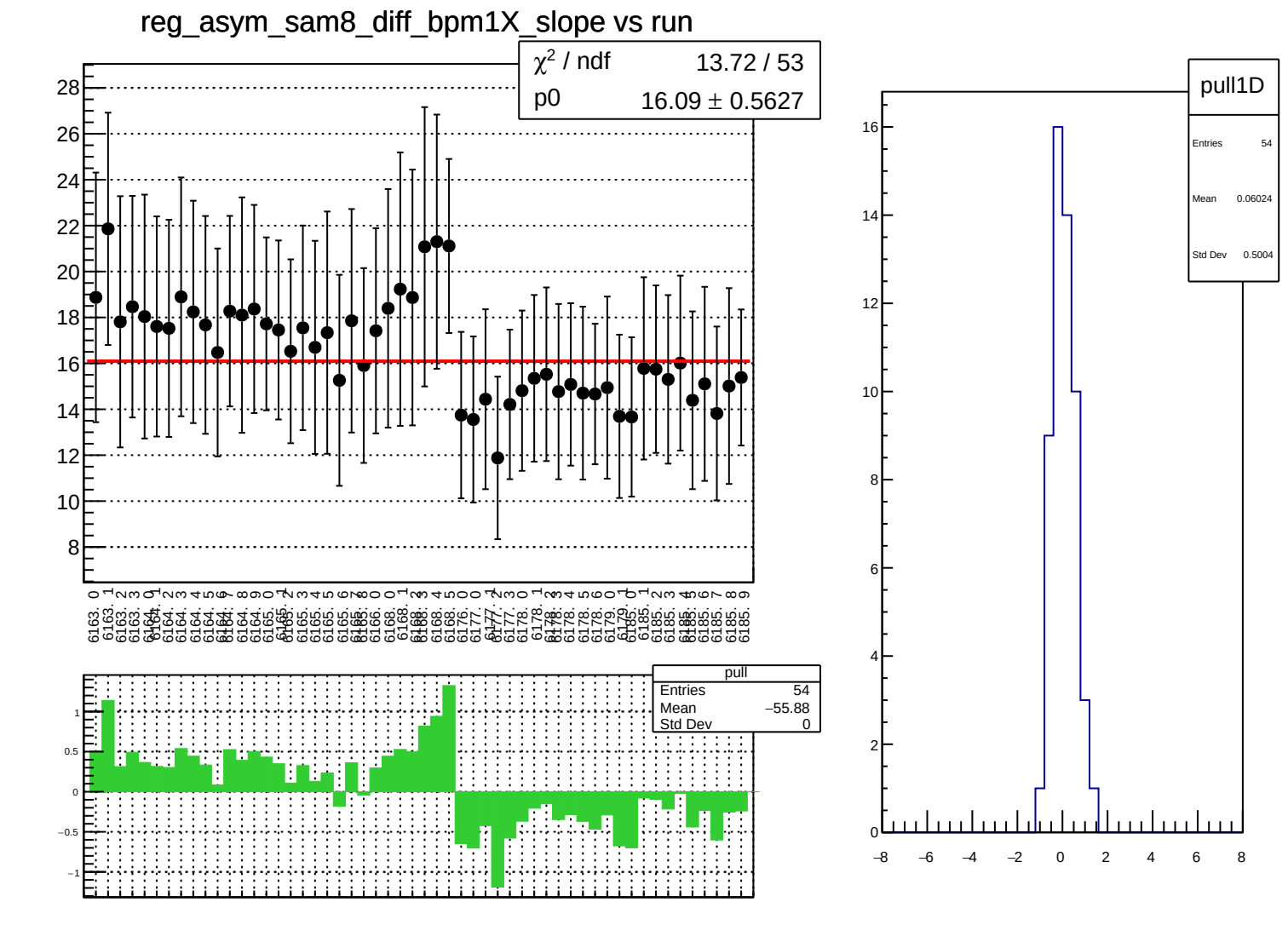

pull1D
Entries 54
Mean 0.07687
Std Dev 0.4604

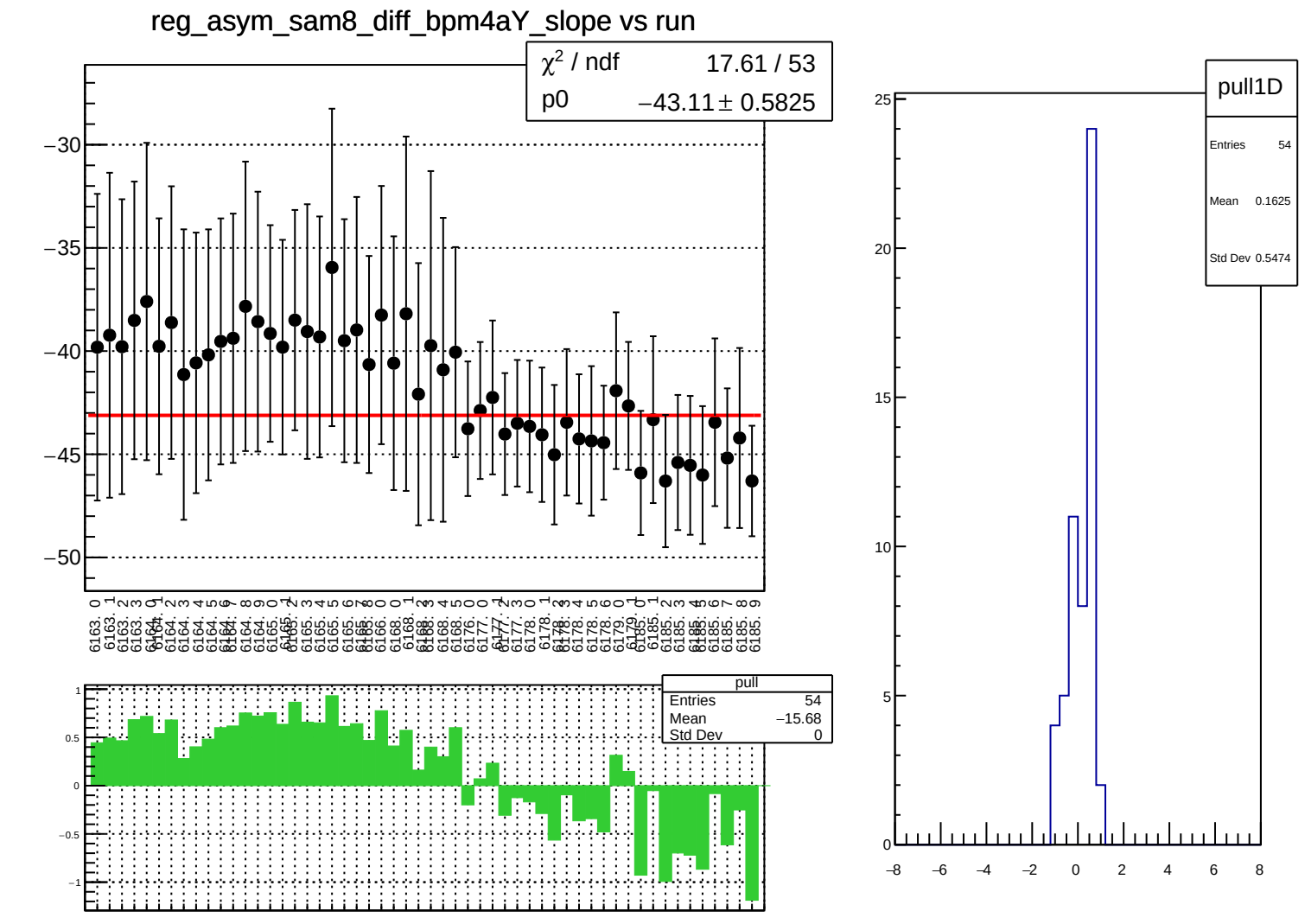

reg_asym_sam7_diff_bpm4eX_slope vs run
χ² / ndf 7.544 / 53
p0 −61.9 ± 0.7077
pull
Entries 54
Mean 29.34
Std Dev 32.32
pull1D
Entries 54
Mean −0.009068
Std Dev 0.3737

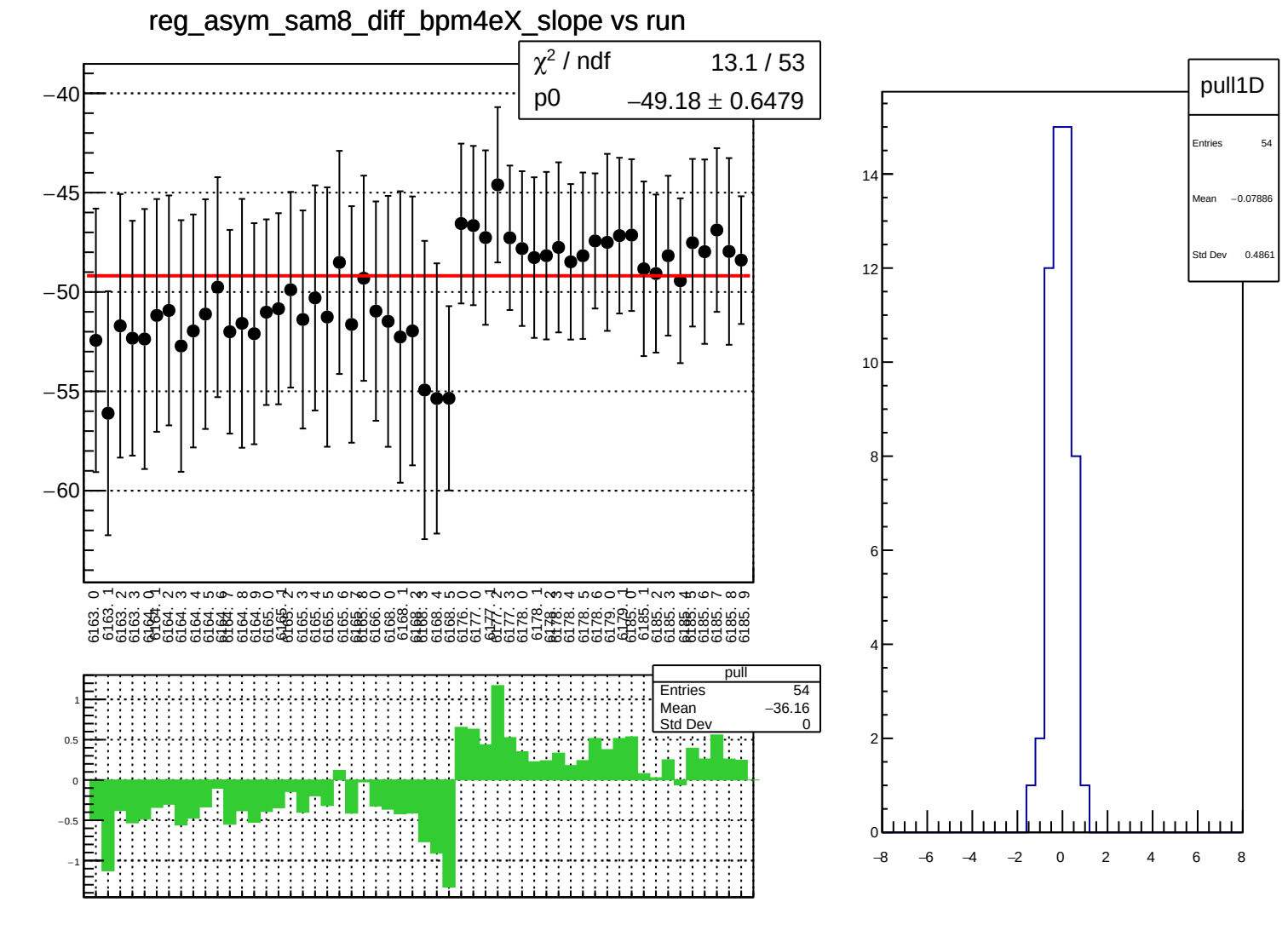

reg_asym_sam7_diff_bpm4eY_slope vs run
χ² / ndf 19.8 / 53
p0 −16.88 ± 0.7351
pull
Entries 54
Mean −53.25
Std Dev 0
pull1D
Entries 54
Mean −0.09251
Std Dev 0.5984

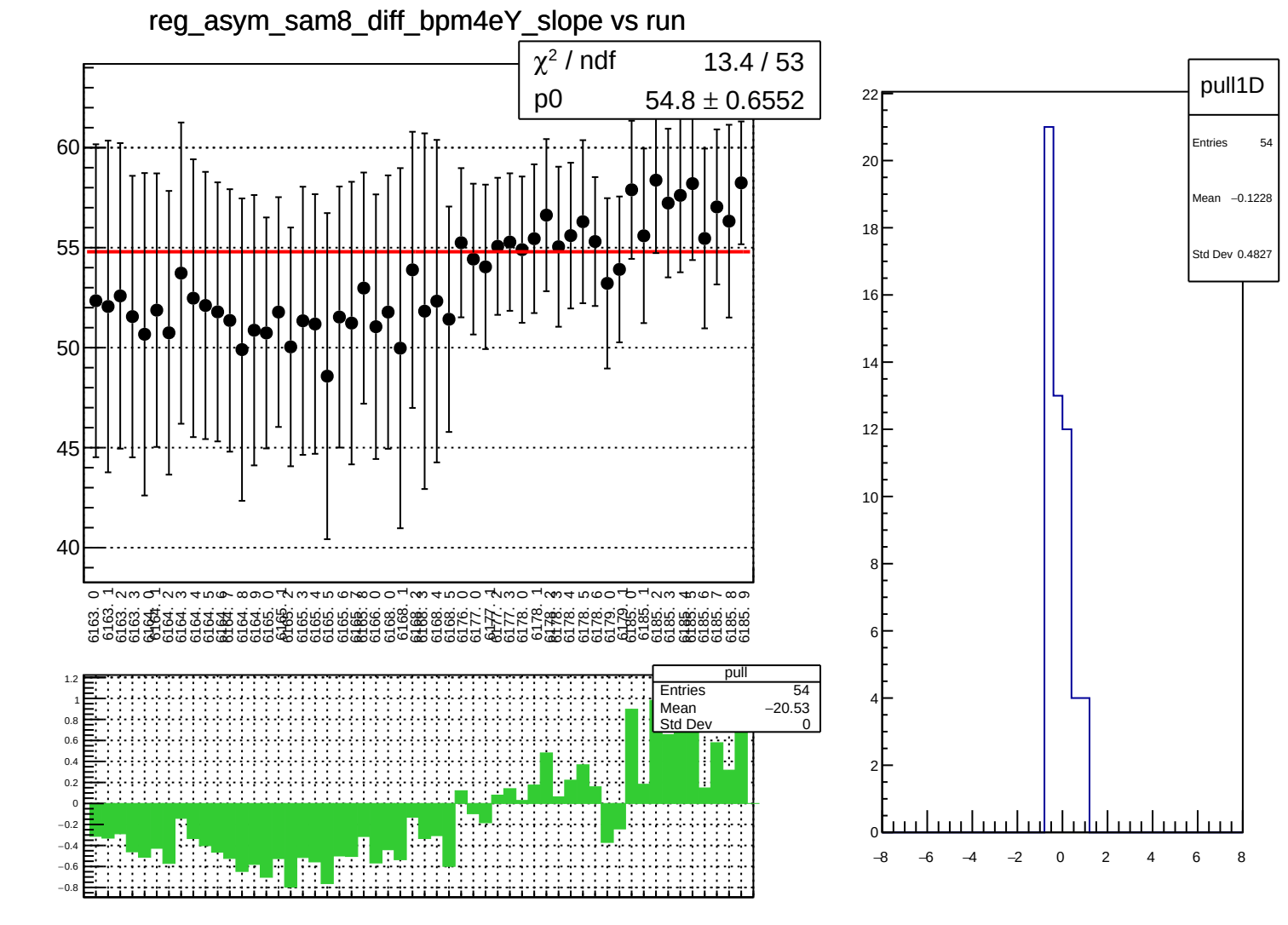

reg_asym_sam7_diff_bpm12X_slope vs run
χ² / ndf 8.168 / 53
p0 −0.3561± 0.05772
pull
Entries 54
Mean −142.3
Std Dev 0

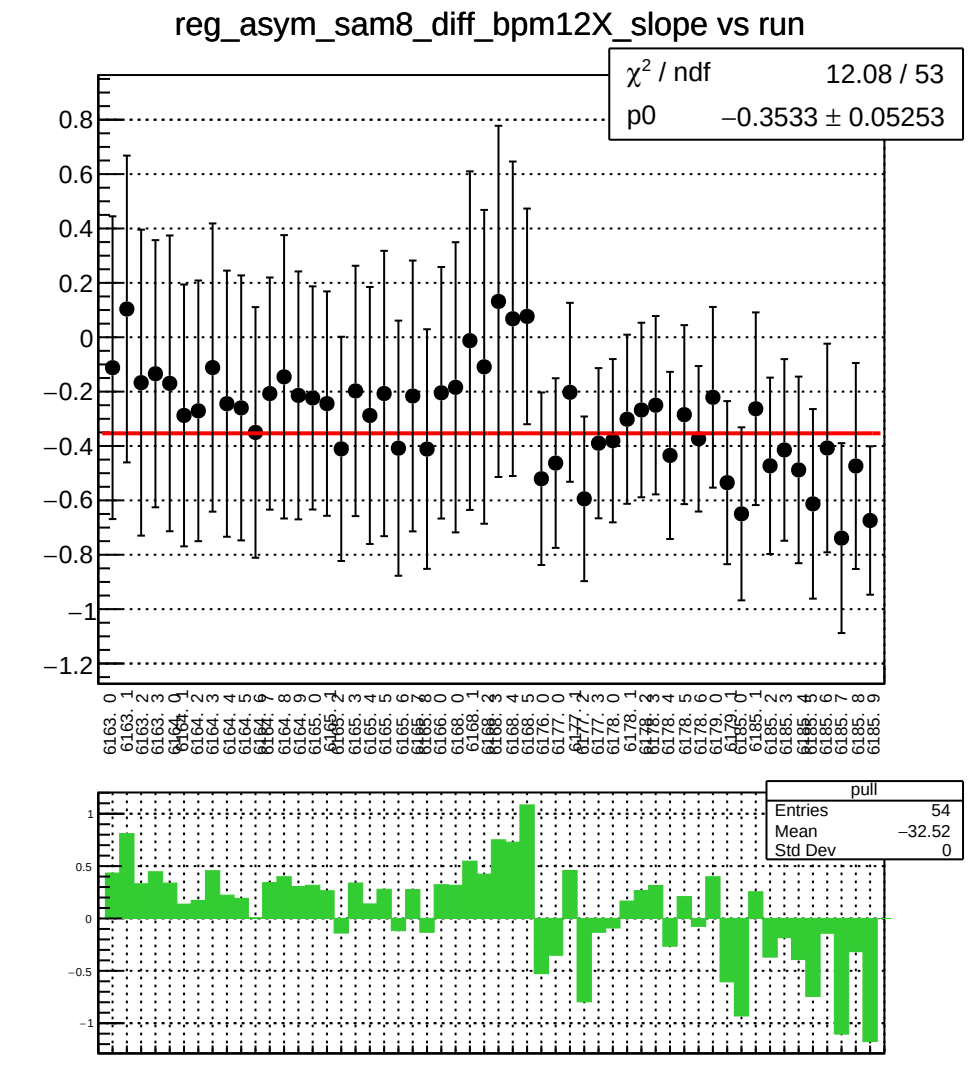

pull1D
Entries 54
Mean −0.01922
Std Dev 0.3885

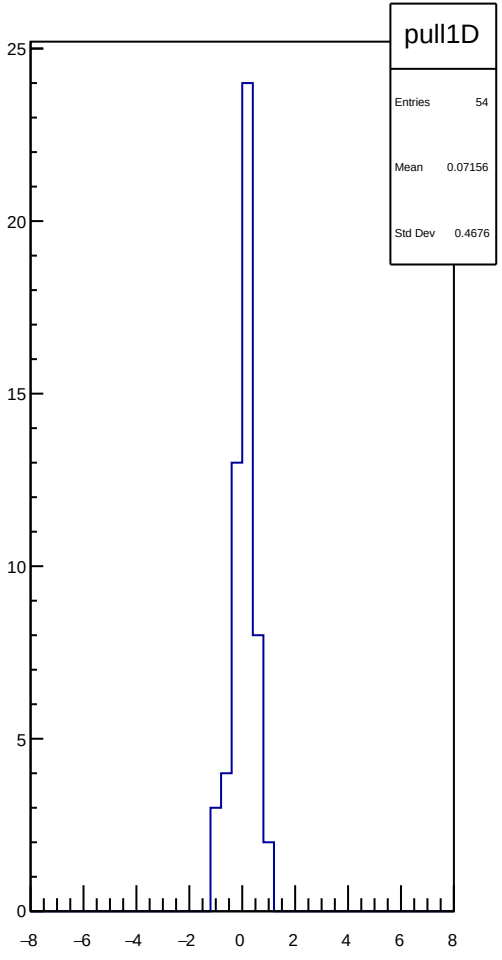

reg_asym_sam8_diff_bpm1X_slope vs run
χ² / ndf 13.72 / 53
p0 16.09 ± 0.5627
pull
Entries 54
Mean −55.88
Std Dev 0
pull1D
Entries 54
Mean 0.06024
Std Dev 0.5004

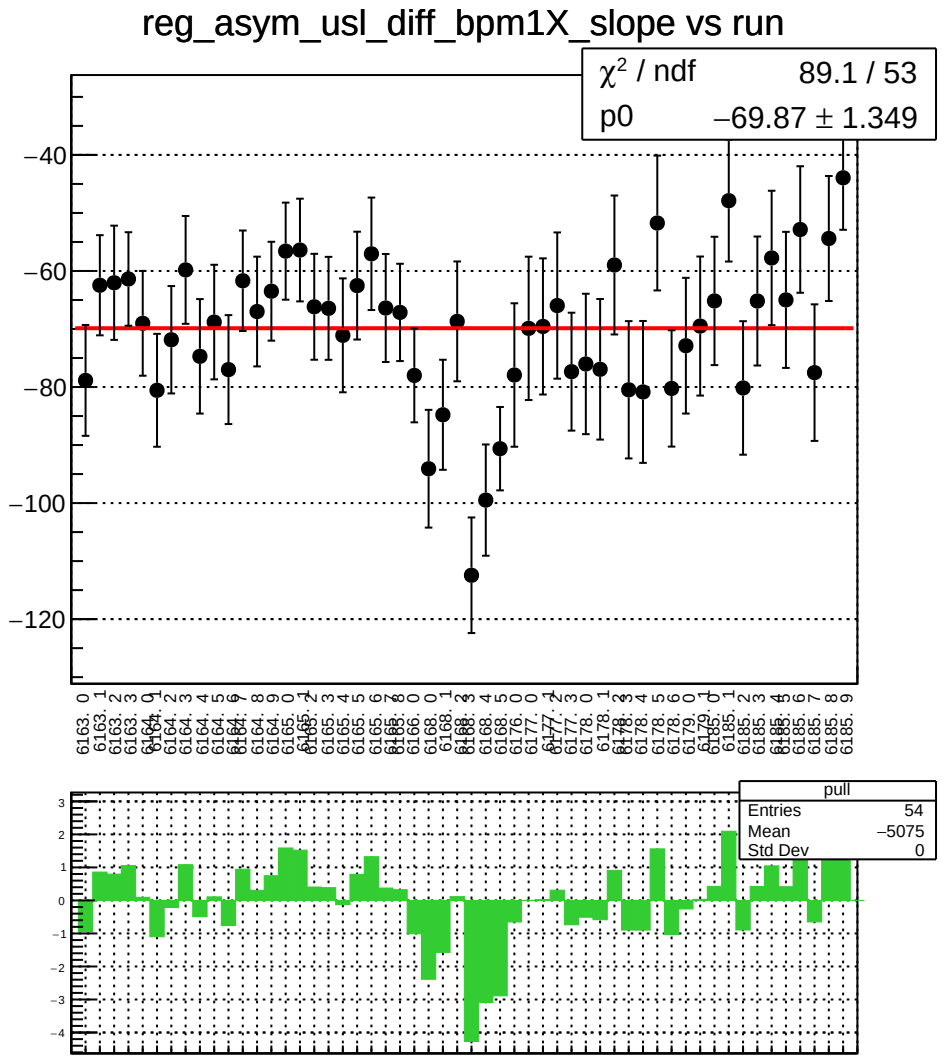

reg_asym_sam8_diff_bpm4aY_slope vs run
χ² / ndf 17.61 / 53
p0 −43.11 ± 0.5825
−30
−35
−40
−45
−50
pull
Entries 54
Mean −15.68
Std Dev 0
1
0.5
0
−0.5
−1
pull1D
Entries 54
Mean 0.1625
Std Dev 0.5474
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

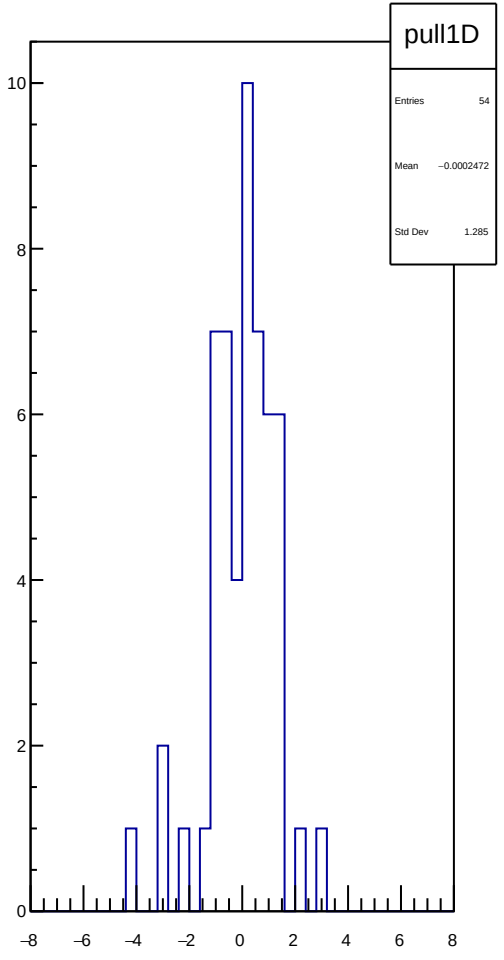

reg_asym_sam8_diff_bpm4eX_slope vs run
χ² / ndf 13.1 / 53
p0 −49.18 ± 0.6479
pull
Entries 54
Mean −36.16
Std Dev 0
pull1D
Entries 54
Mean −0.07886
Std Dev 0.4861

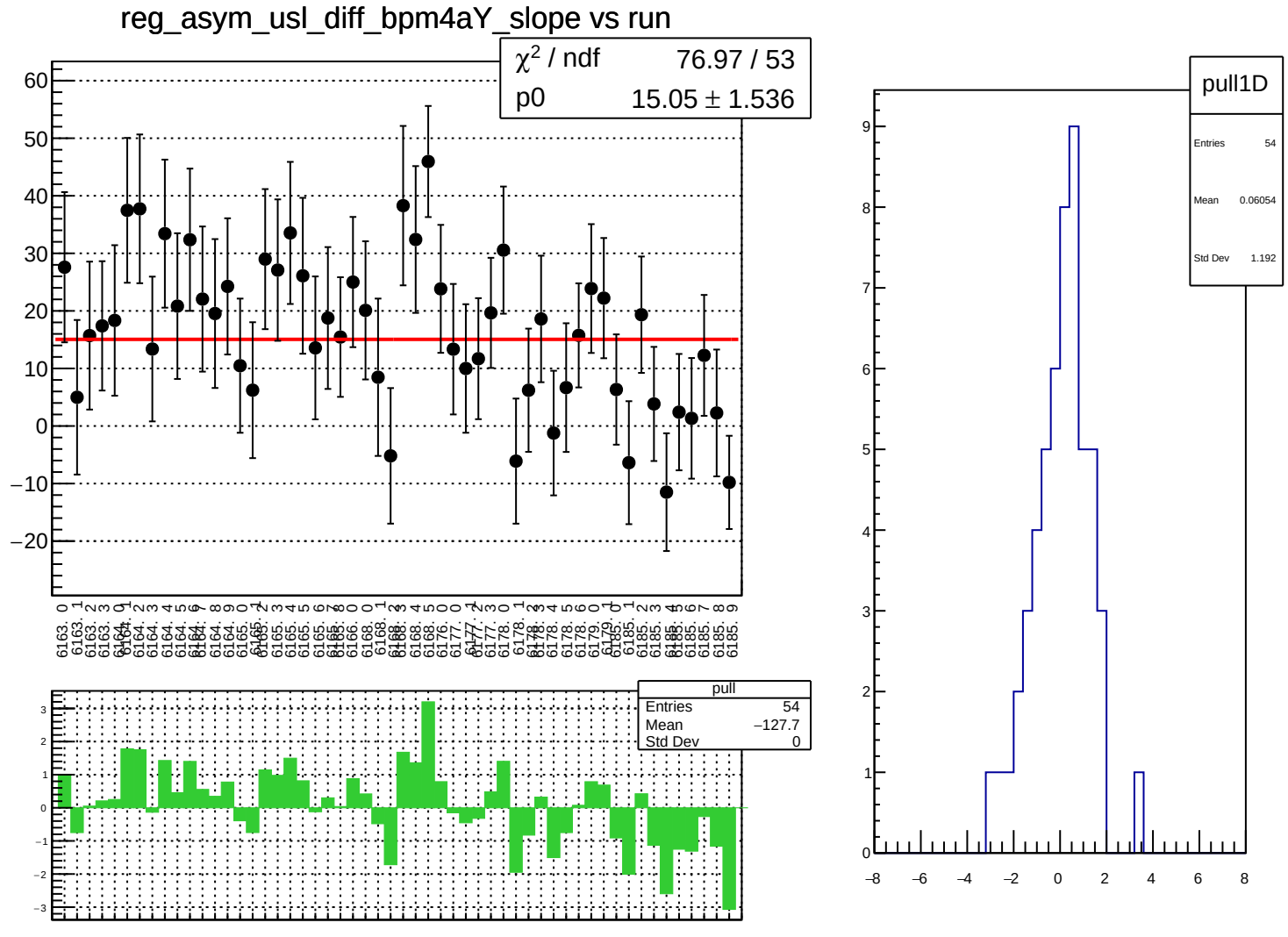

reg_asym_sam8_diff_bpm4eY_slope vs run
χ² / ndf 13.4 / 53
p0 54.8 ± 0.6552
pull
Entries 54
Mean −20.53
Std Dev 0
pull1D
Entries 54
Mean −0.1228
Std Dev 0.4827

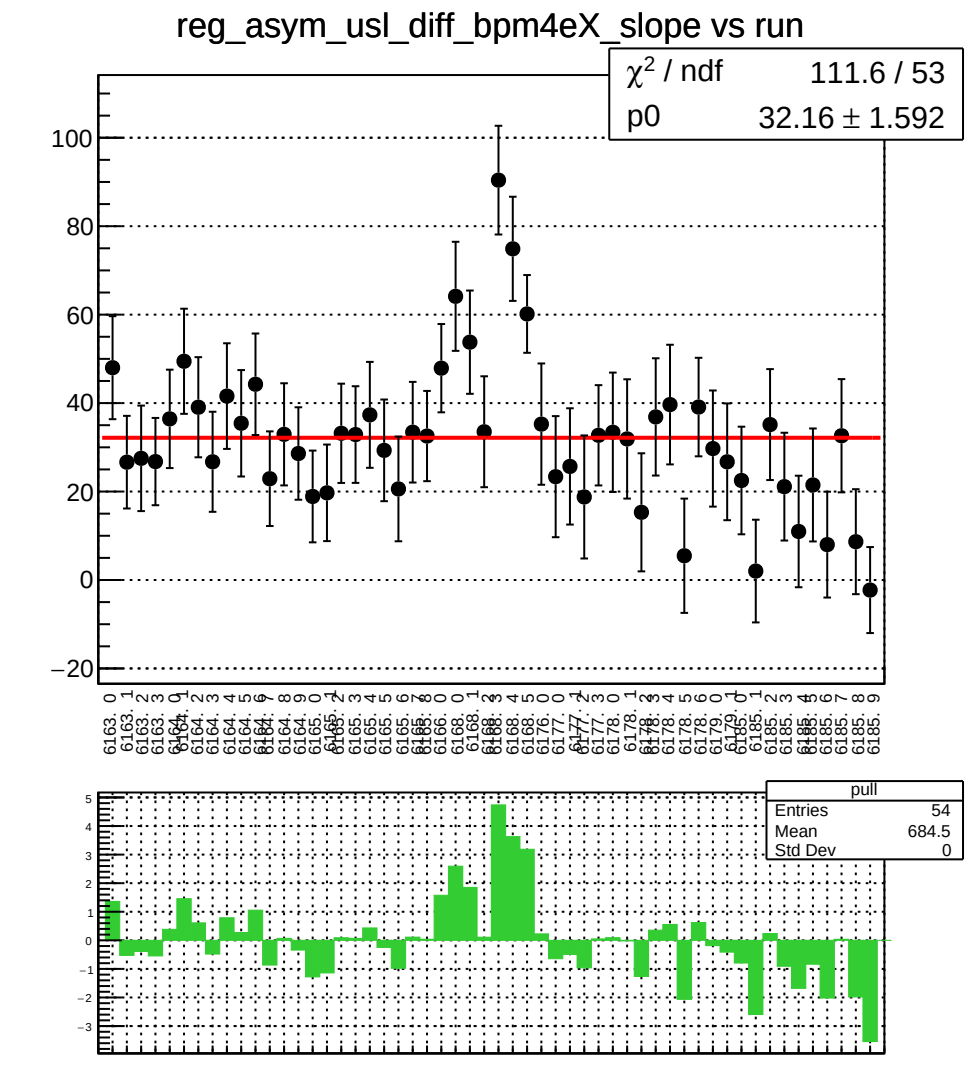

reg_asym_sam8_diff_bpm12X_slope vs run
χ² / ndf 12.08 / 53
p0 −0.3533 ± 0.05253
pull
Entries 54
Mean −32.52
Std Dev 0

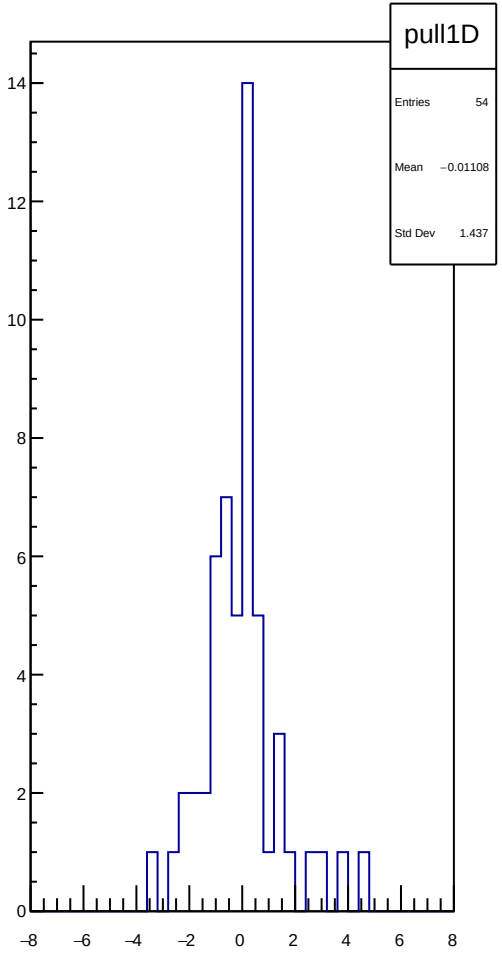

pull1D
Entries 54
Mean 0.07156
Std Dev 0.4676

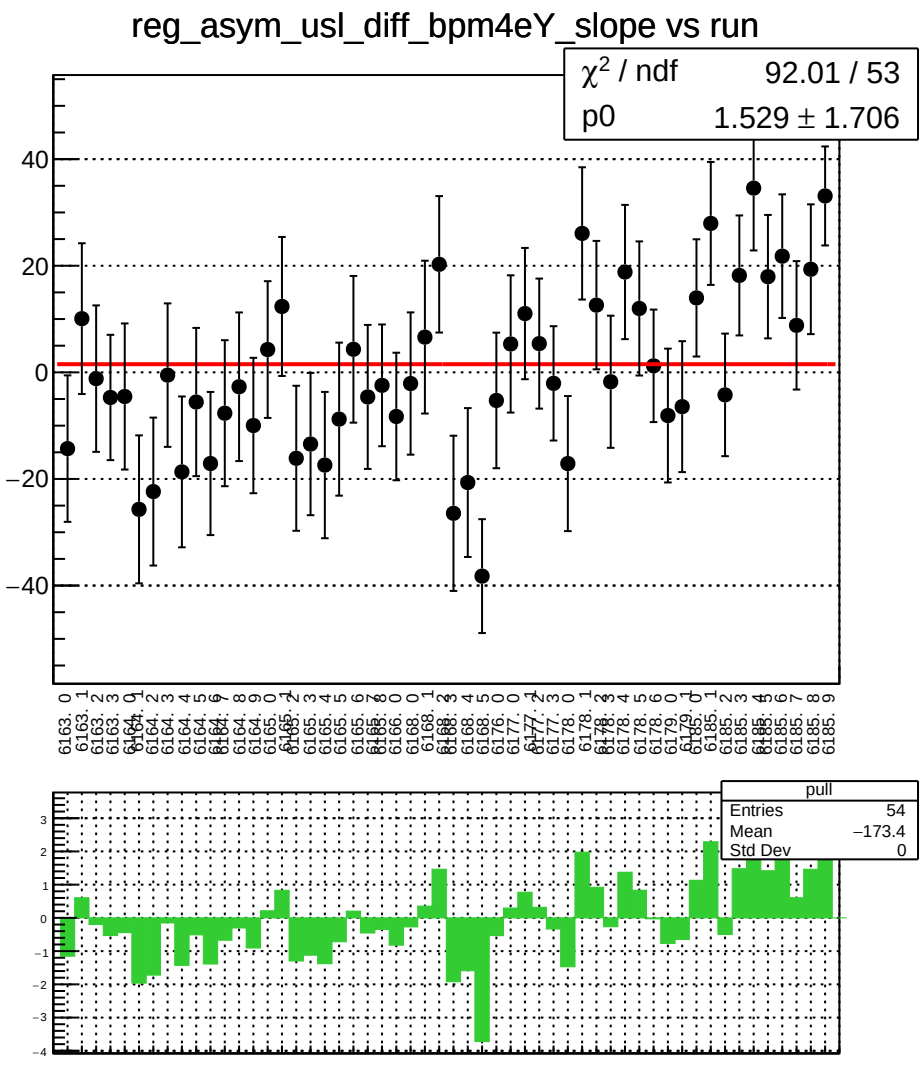

reg_asym_usl_diff_bpm1X_slope vs run
χ² / ndf 89.1 / 53
p0 −69.87 ± 1.349
pull
Entries 54
Mean −5075
Std Dev 0

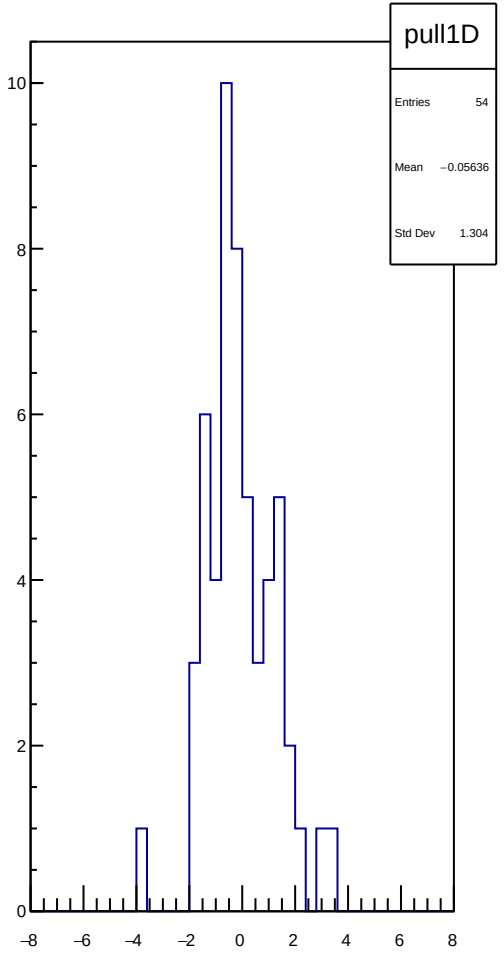

pull1D
Entries 54
Mean −0.0002472
Std Dev 1.285

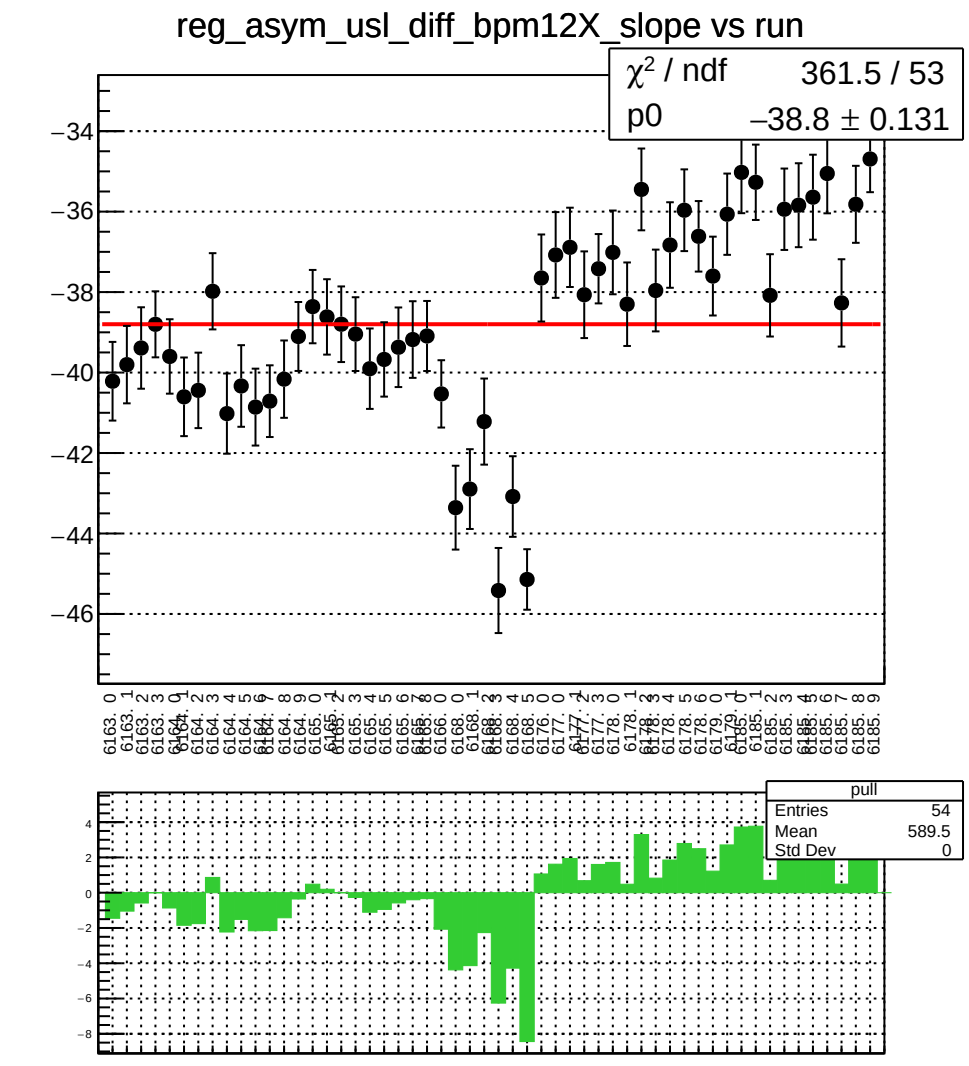

reg_asym_usl_diff_bpm4aY_slope vs run
χ² / ndf 76.97 / 53
p0 15.05 ± 1.536
pull
Entries 54
Mean −127.7
Std Dev 0
pull1D
Entries 54
Mean 0.06054
Std Dev 1.192

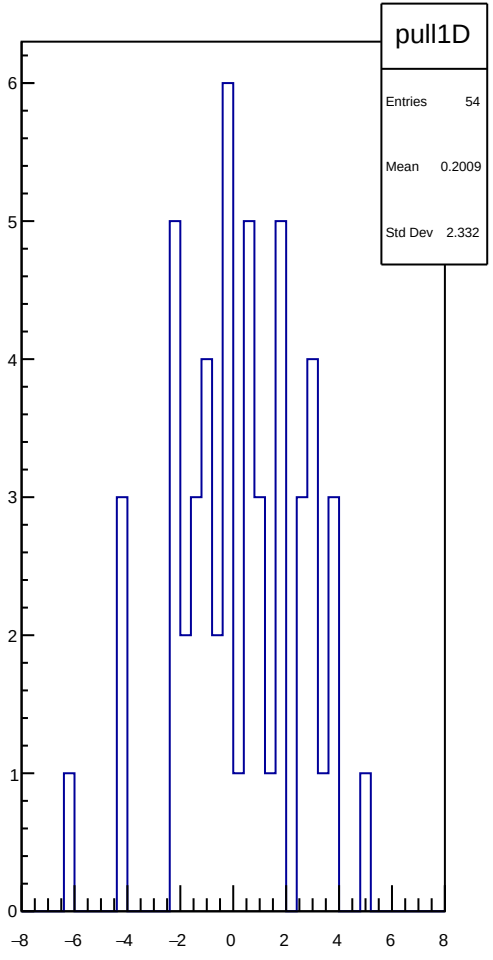

reg_asym_usl_diff_bpm4eX_slope vs run
χ² / ndf 111.6 / 53
p0 32.16 ± 1.592
pull
Entries 54
Mean 684.5
Std Dev 0

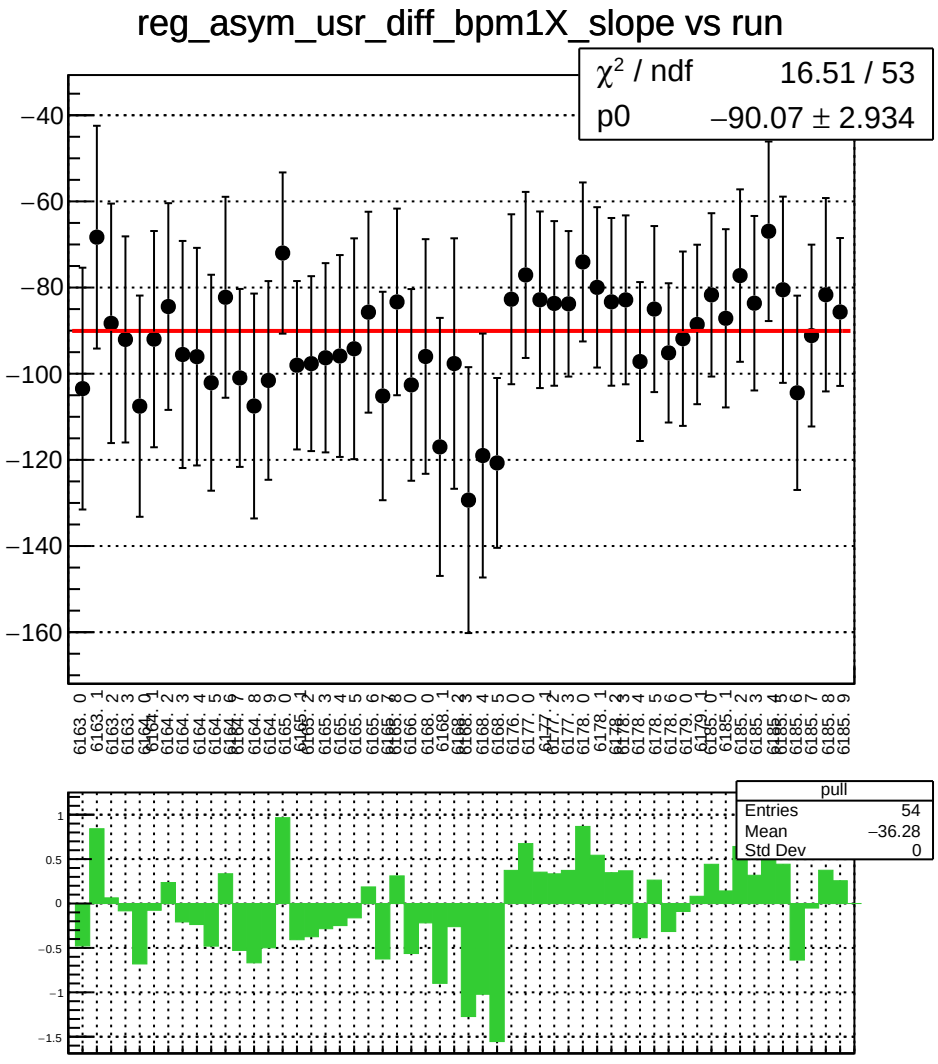

pull1D
Entries 54
Mean −0.01108
Std Dev 1.437

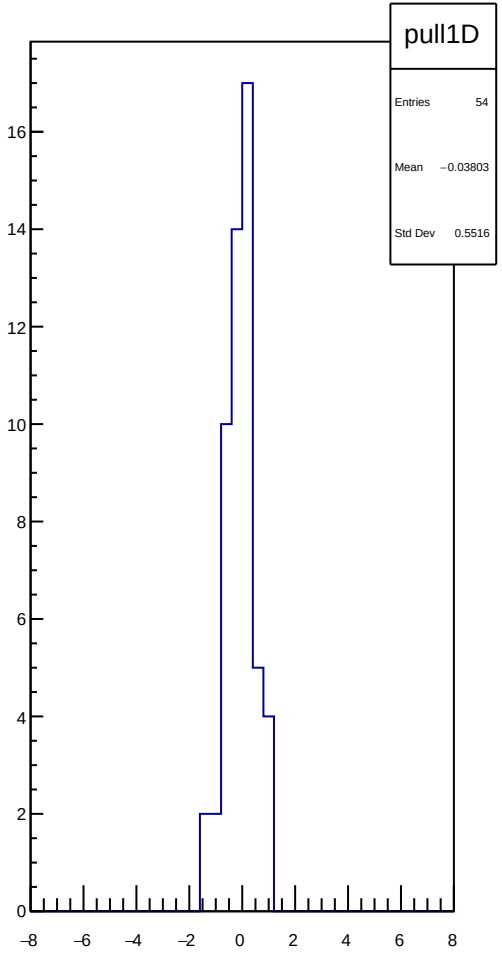

reg_asym_usl_diff_bpm4eY_slope vs run
χ² / ndf 92.01 / 53
p0 1.529 ± 1.706
pull
Entries 54
Mean −173.4
Std Dev 0

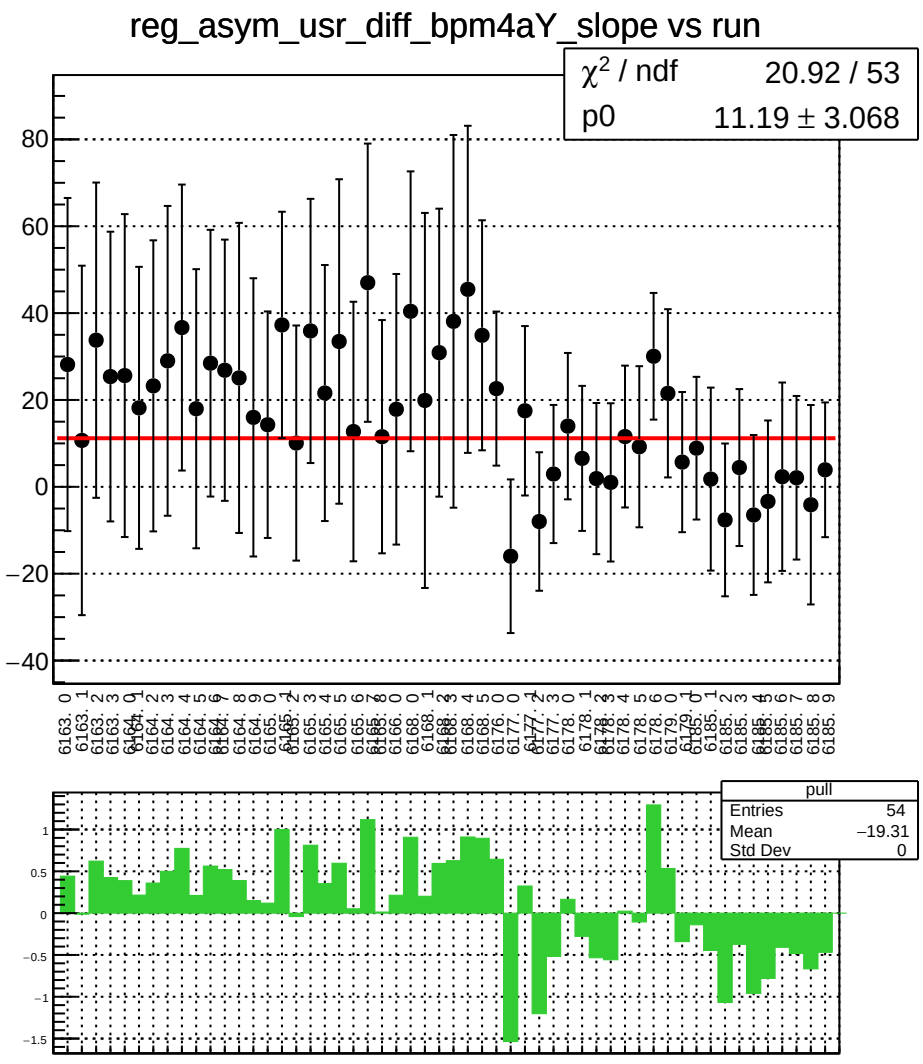

pull1D
Entries 54
Mean −0.05636
Std Dev 1.304

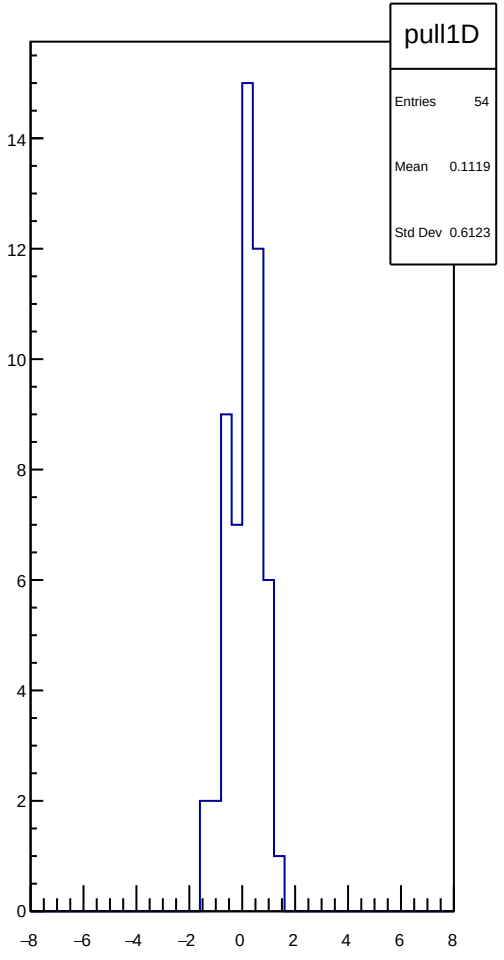

reg_asym_usl_diff_bpm12X_slope vs run
χ² / ndf 361.5 / 53
p0 −38.8 ± 0.131
pull
Entries 54
Mean 589.5
Std Dev 0

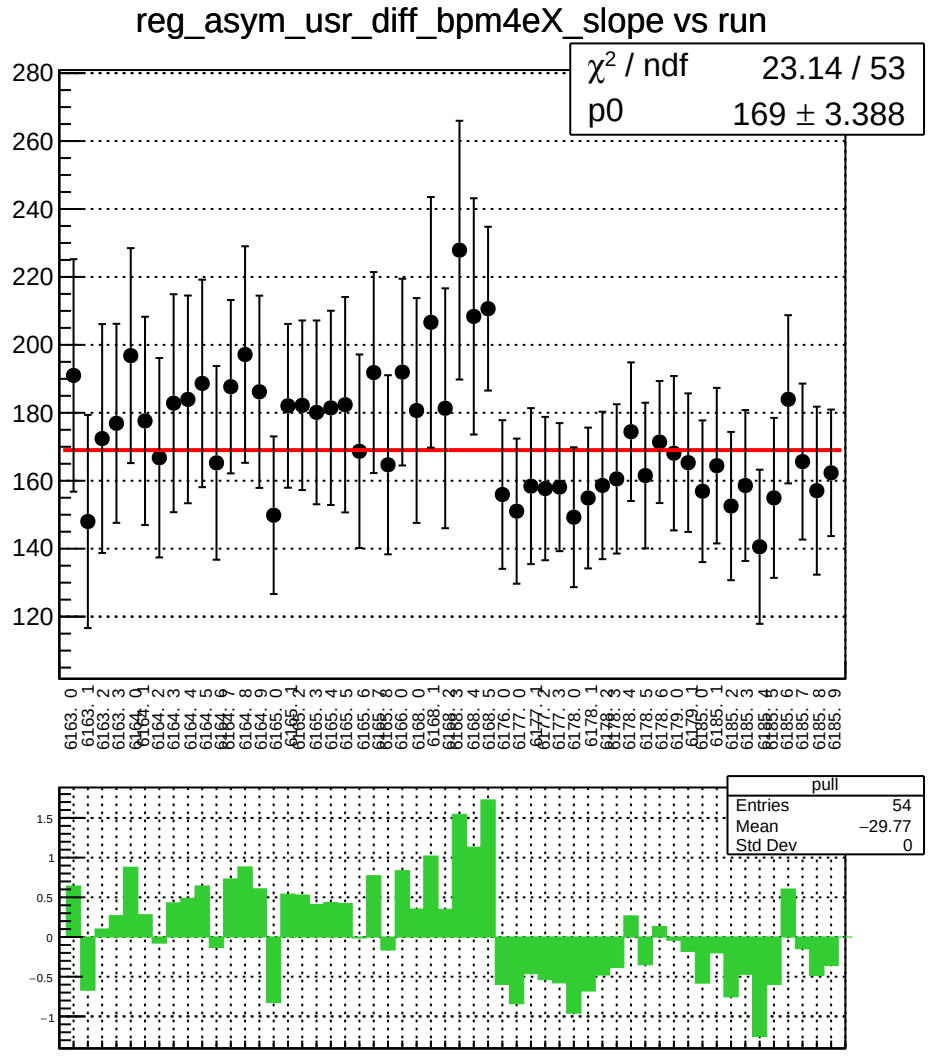

pull1D
Entries 54
Mean 0.2009
Std Dev 2.332

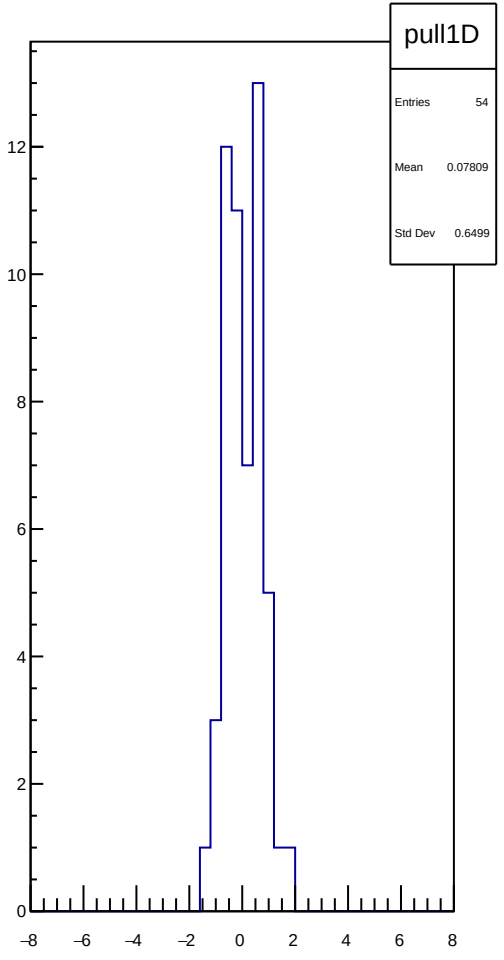

reg_asym_usr_diff_bpm1X_slope vs run
χ² / ndf 16.51 / 53
p0 −90.07 ± 2.934
pull
Entries 54
Mean −36.28
Std Dev 0

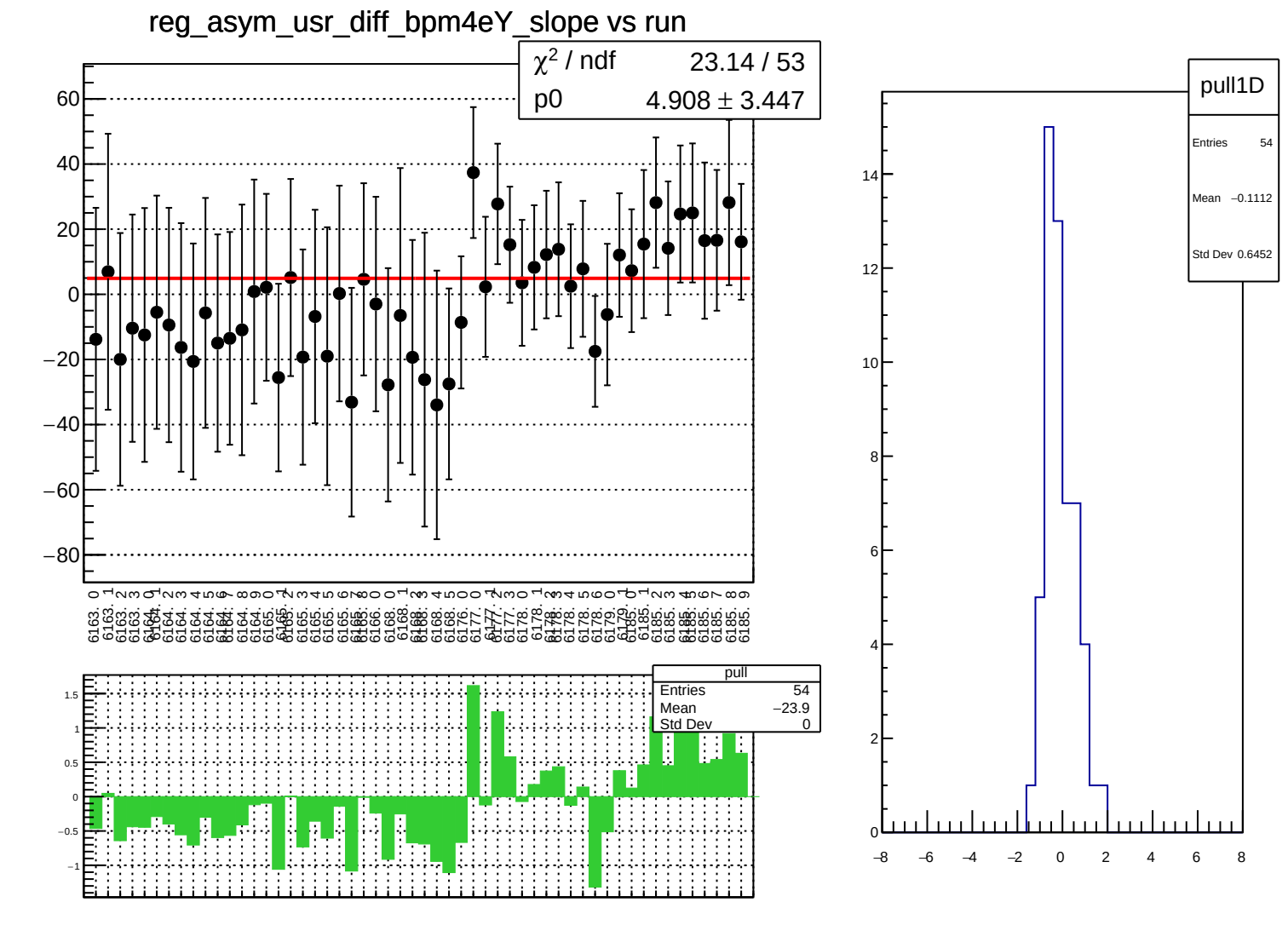

pull1D
Entries 54
Mean −0.03803
Std Dev 0.5516

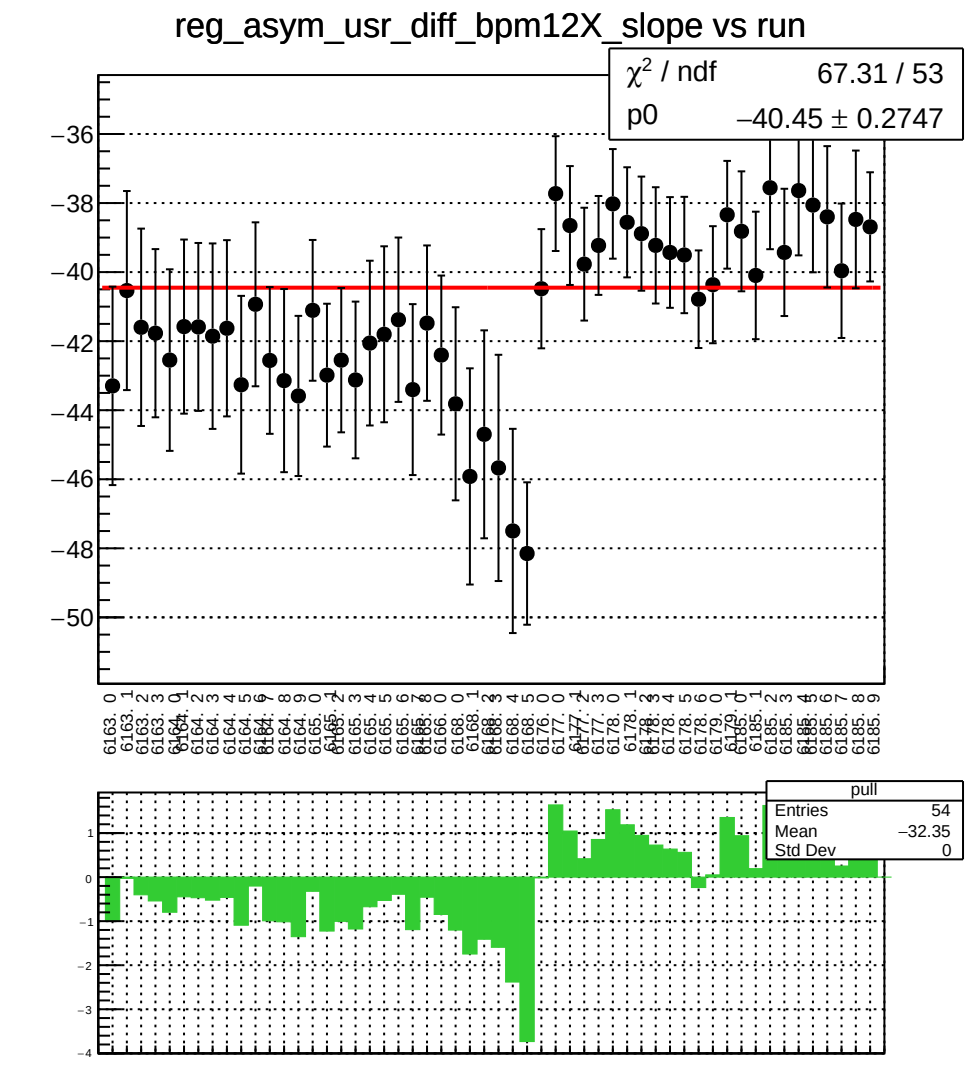

reg_asym_usr_diff_bpm4aY_slope vs run
χ² / ndf 20.92 / 53
p0 11.19 ± 3.068
pull
Entries 54
Mean −19.31
Std Dev 0

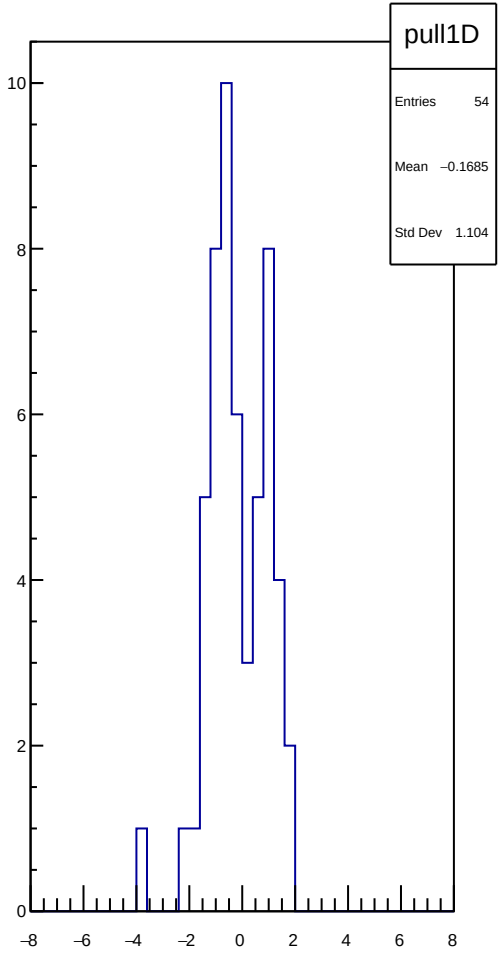

pull1D
Entries 54
Mean 0.1119
Std Dev 0.6123

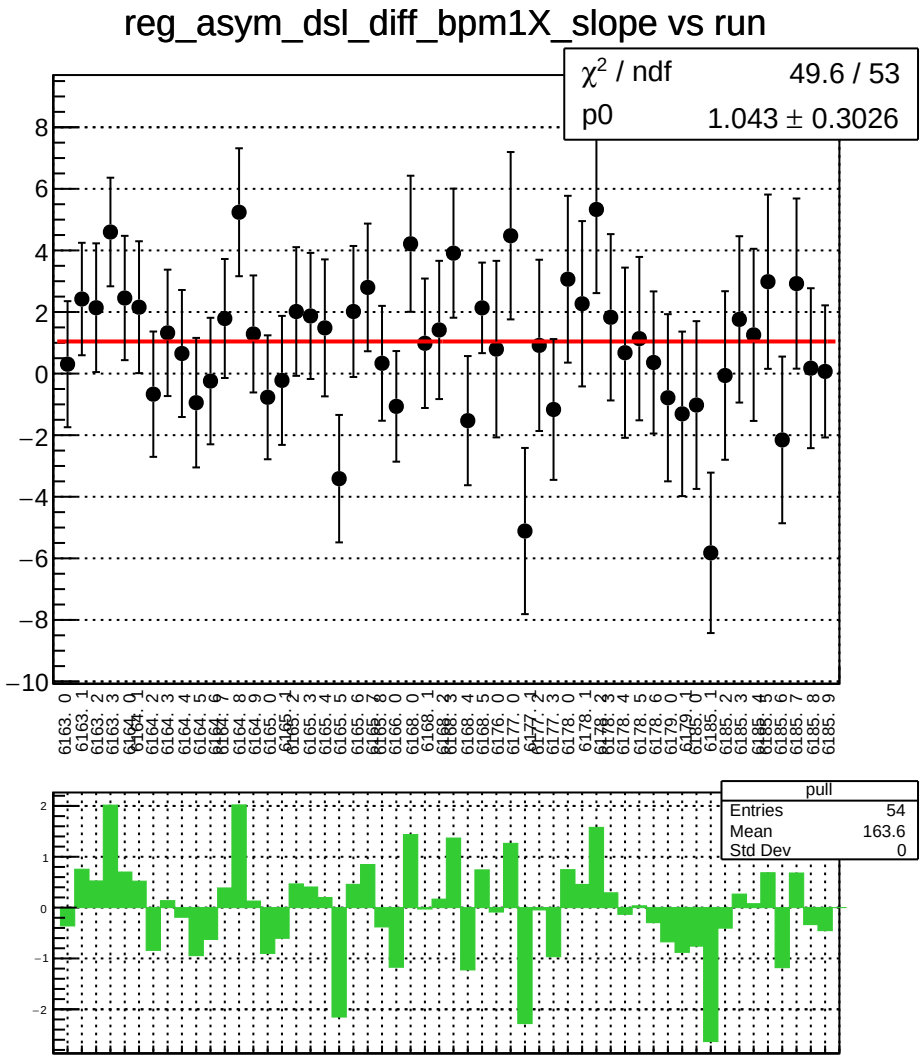

reg_asym_usr_diff_bpm4eX_slope vs run
χ² / ndf 23.14 / 53
p0 169 ± 3.388
pull
Entries 54
Mean −29.77
Std Dev 0

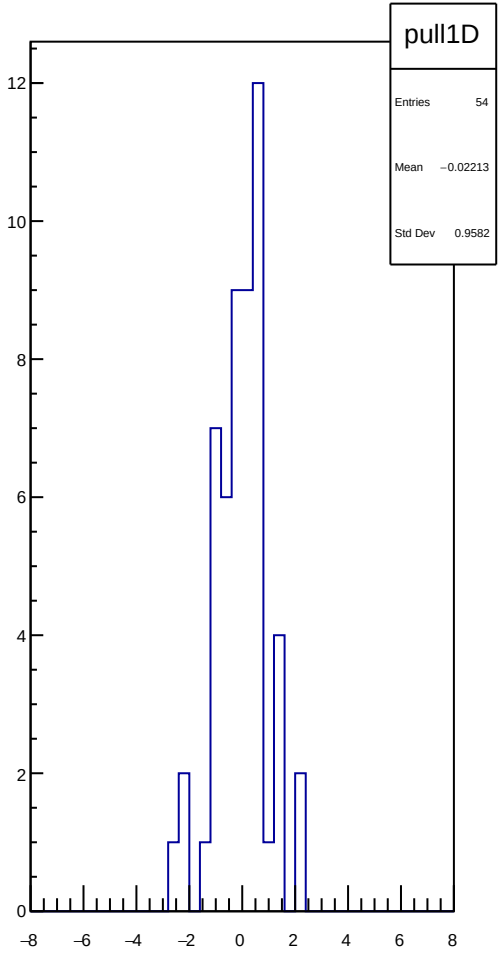

pull1D
Entries 54
Mean 0.07809
Std Dev 0.6499

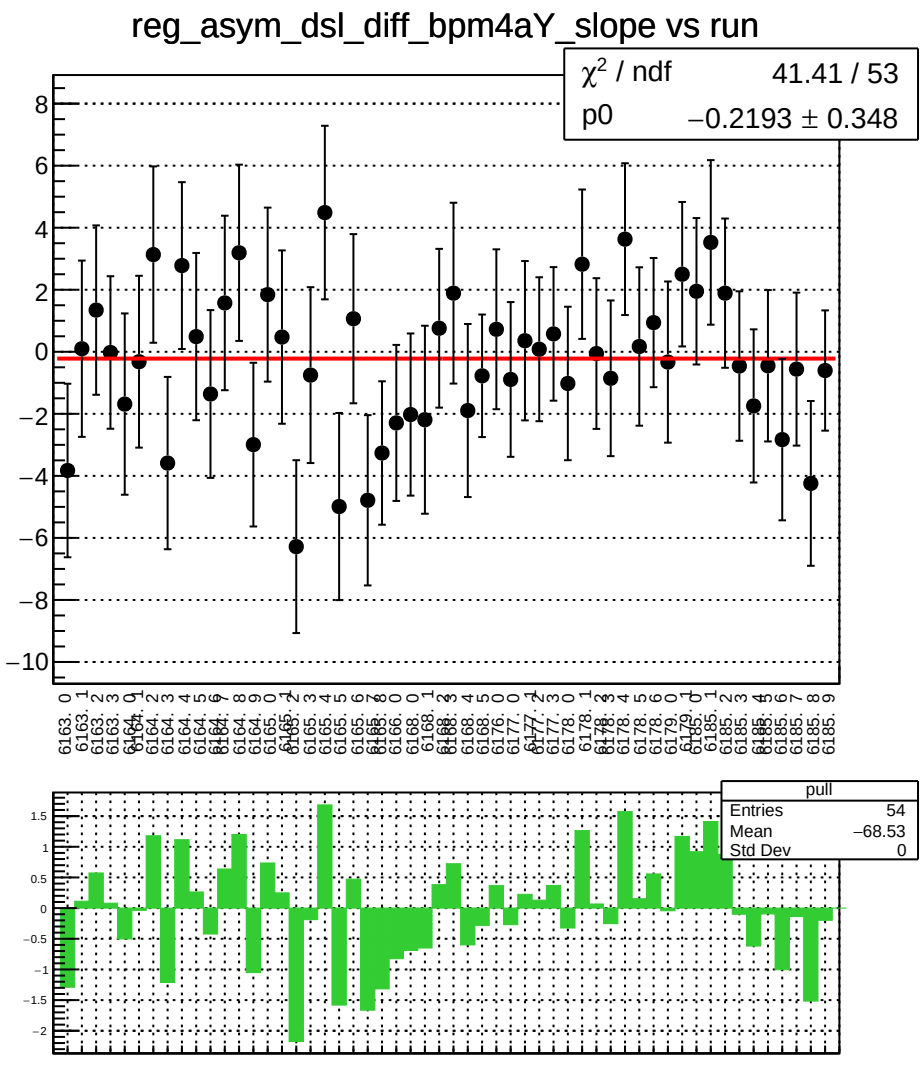

reg_asym_usr_diff_bpm4eY_slope vs run
χ² / ndf 23.14 / 53
p0 4.908 ± 3.447
pull
Entries 54
Mean −23.9
Std Dev 0
pull1D
Entries 54
Mean −0.1112
Std Dev 0.6452

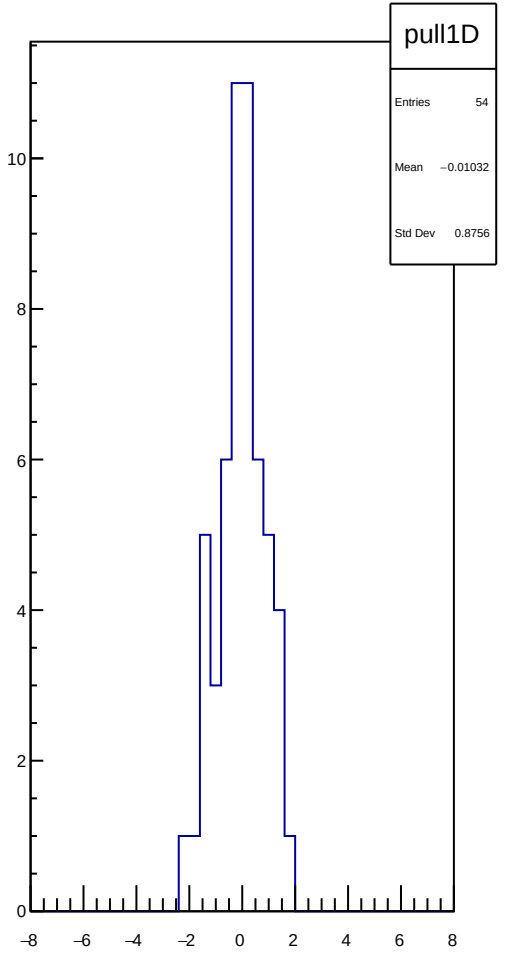

reg_asym_usr_diff_bpm12X_slope vs run
χ² / ndf 67.31 / 53
p0 −40.45 ± 0.2747
pull
Entries 54
Mean −32.35
Std Dev 0

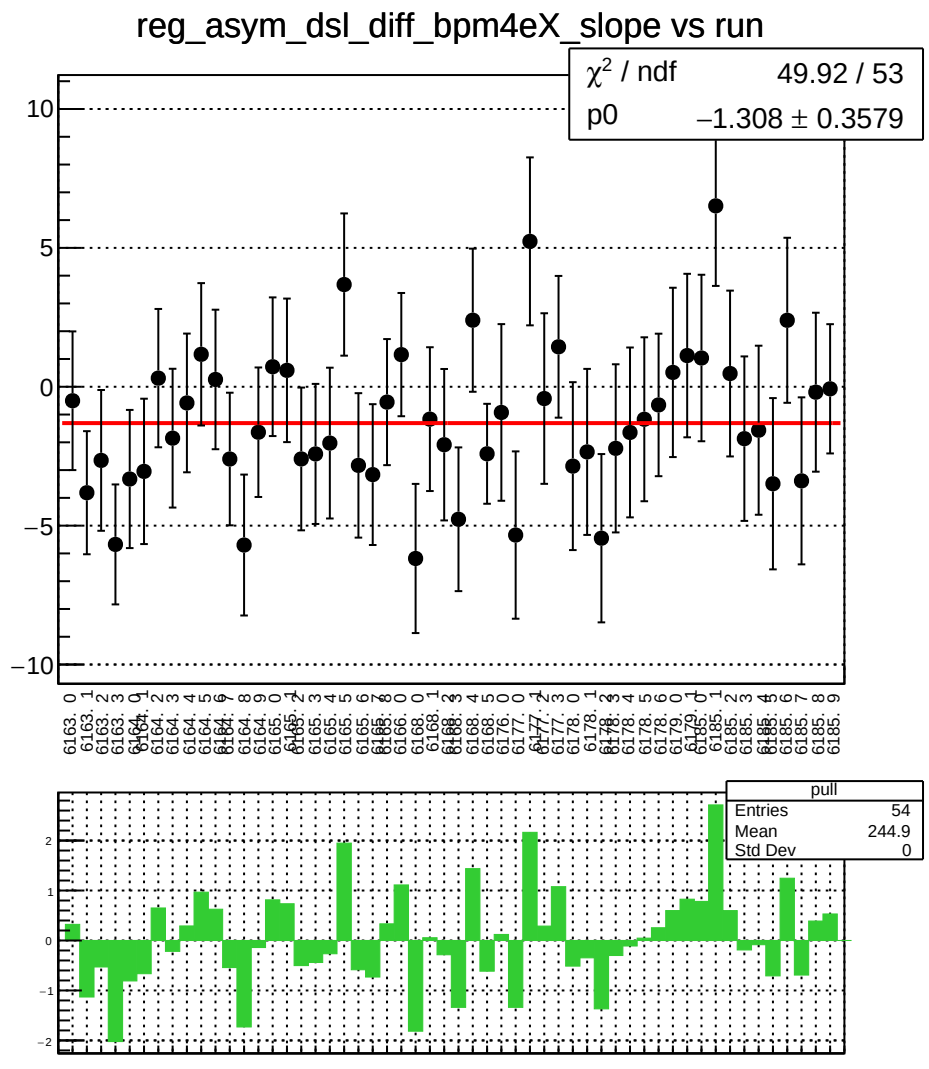

pull1D
Entries 54
Mean −0.1685
Std Dev 1.104

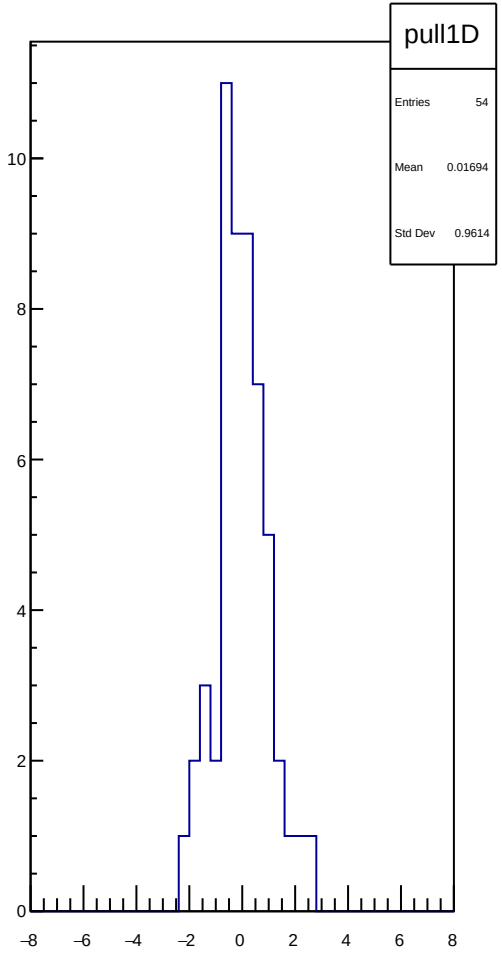

reg_asym_dsl_diff_bpm1X_slope vs run
χ² / ndf 49.6 / 53
p0 1.043 ± 0.3026
pull
Entries 54
Mean 163.6
Std Dev 0

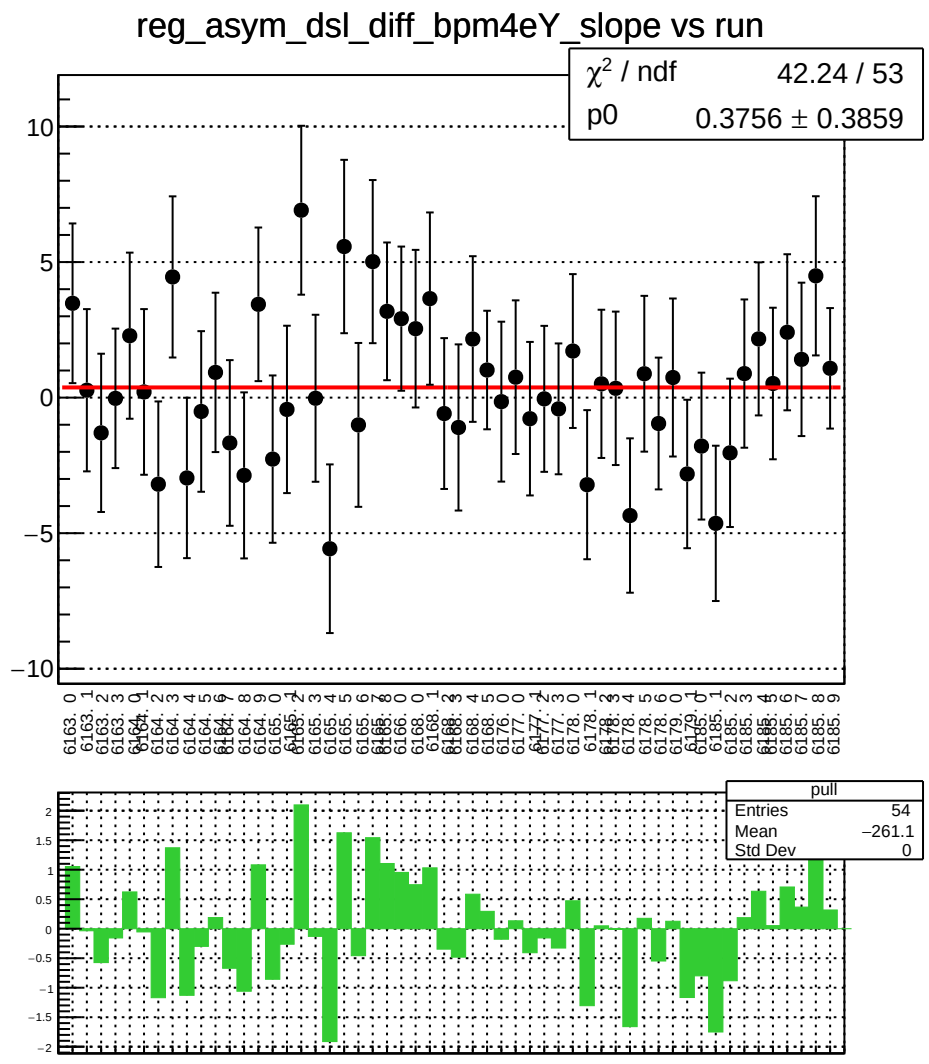

pull1D
Entries 54
Mean −0.02213
Std Dev 0.9582

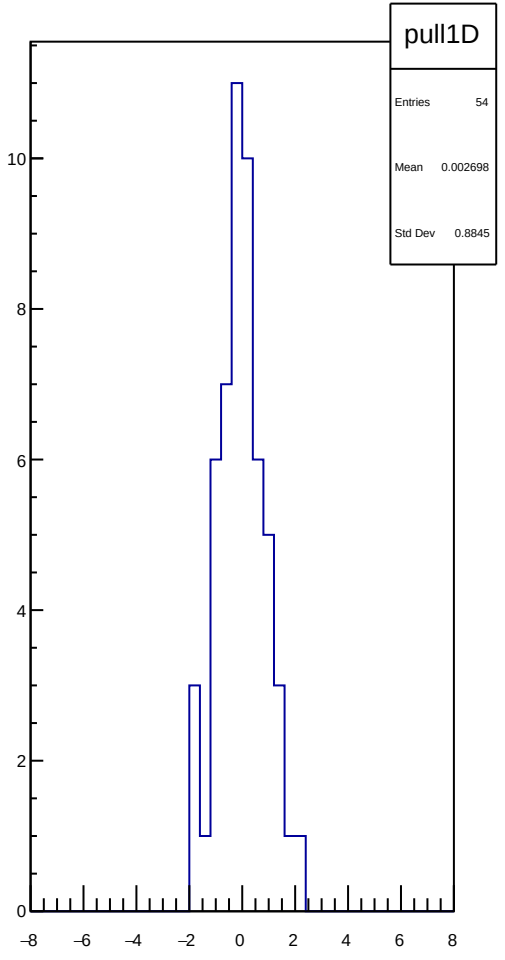

reg_asym_dsl_diff_bpm4aY_slope vs run
χ² / ndf 41.41 / 53
p0 −0.2193 ± 0.348
pull
Entries 54
Mean −68.53
Std Dev 0

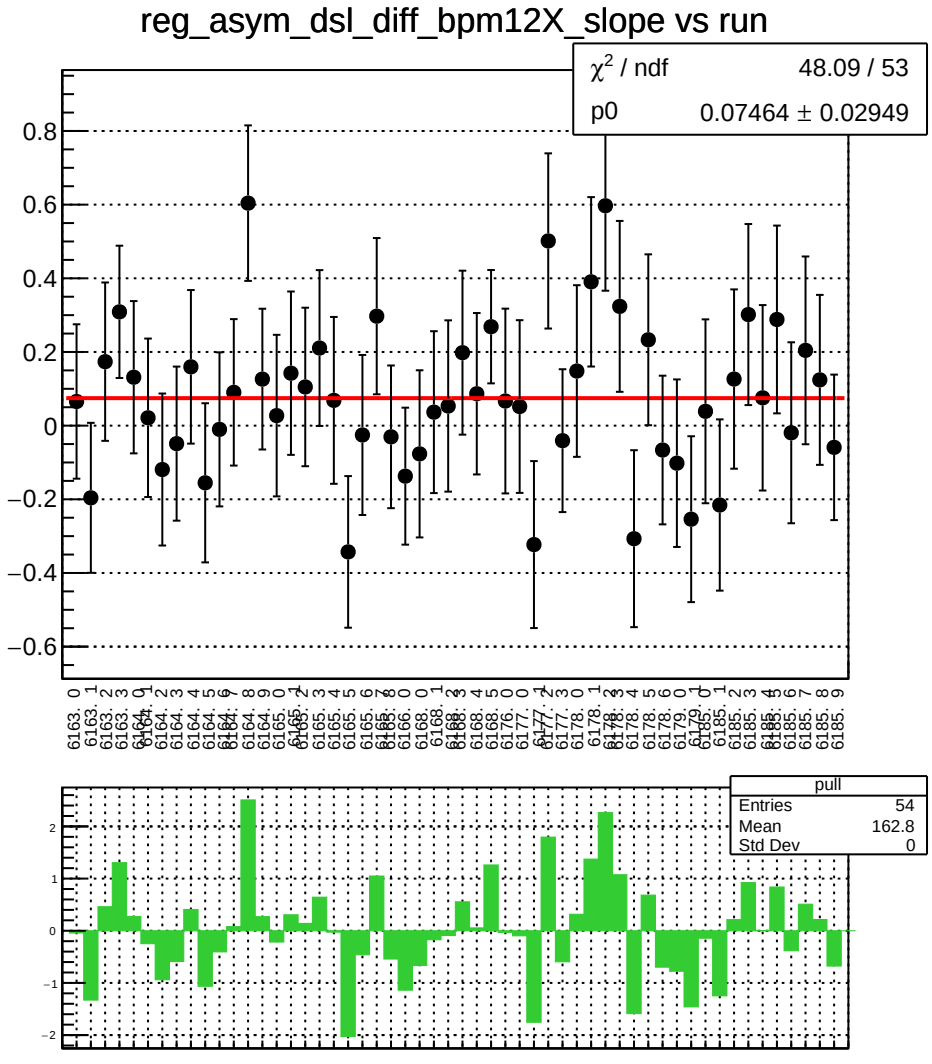

pull1D
Entries 54
Mean −0.01032
Std Dev 0.8756

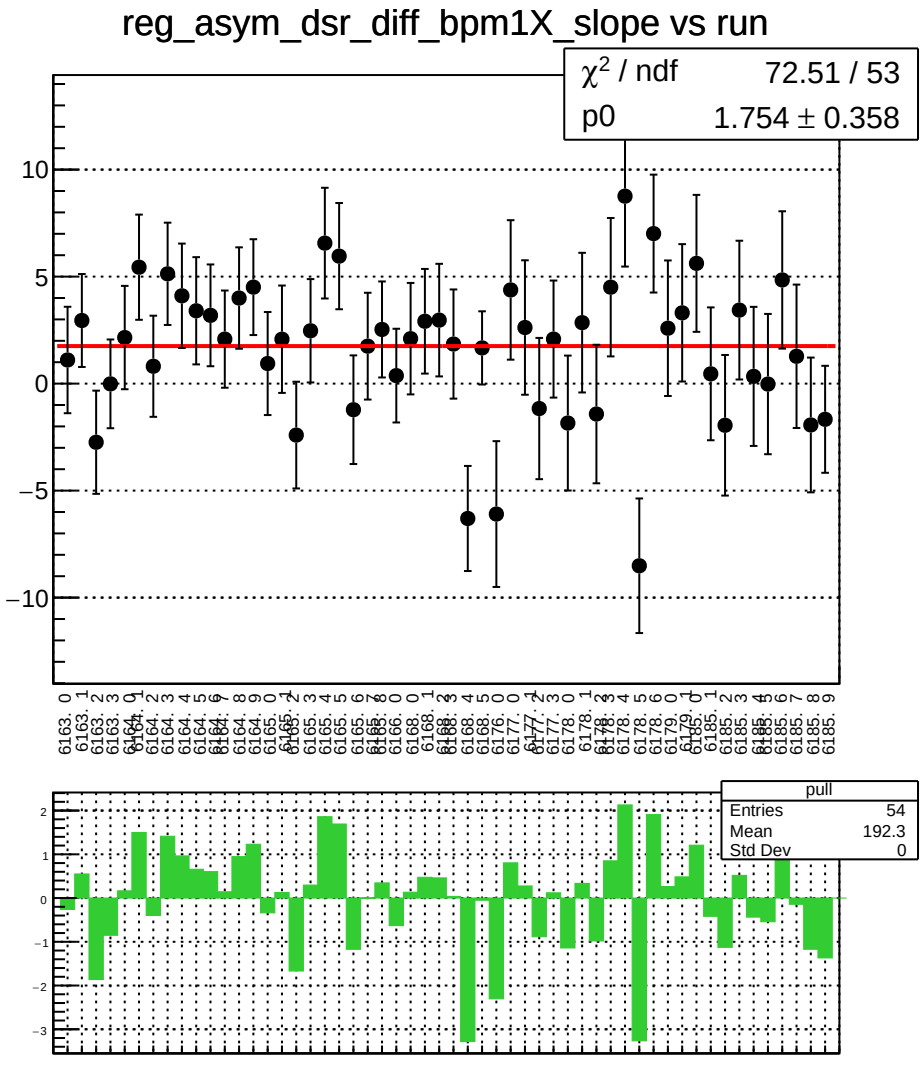

reg_asym_dsl_diff_bpm4eX_slope vs run
χ² / ndf 49.92 / 53
p0 −1.308 ± 0.3579
pull
Entries 54
Mean 244.9
Std Dev 0

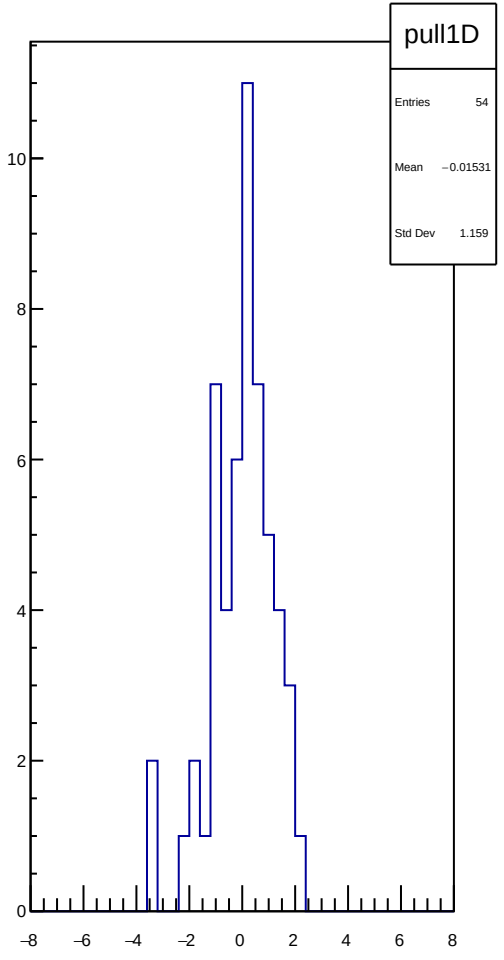

pull1D
Entries 54
Mean 0.01694
Std Dev 0.9614

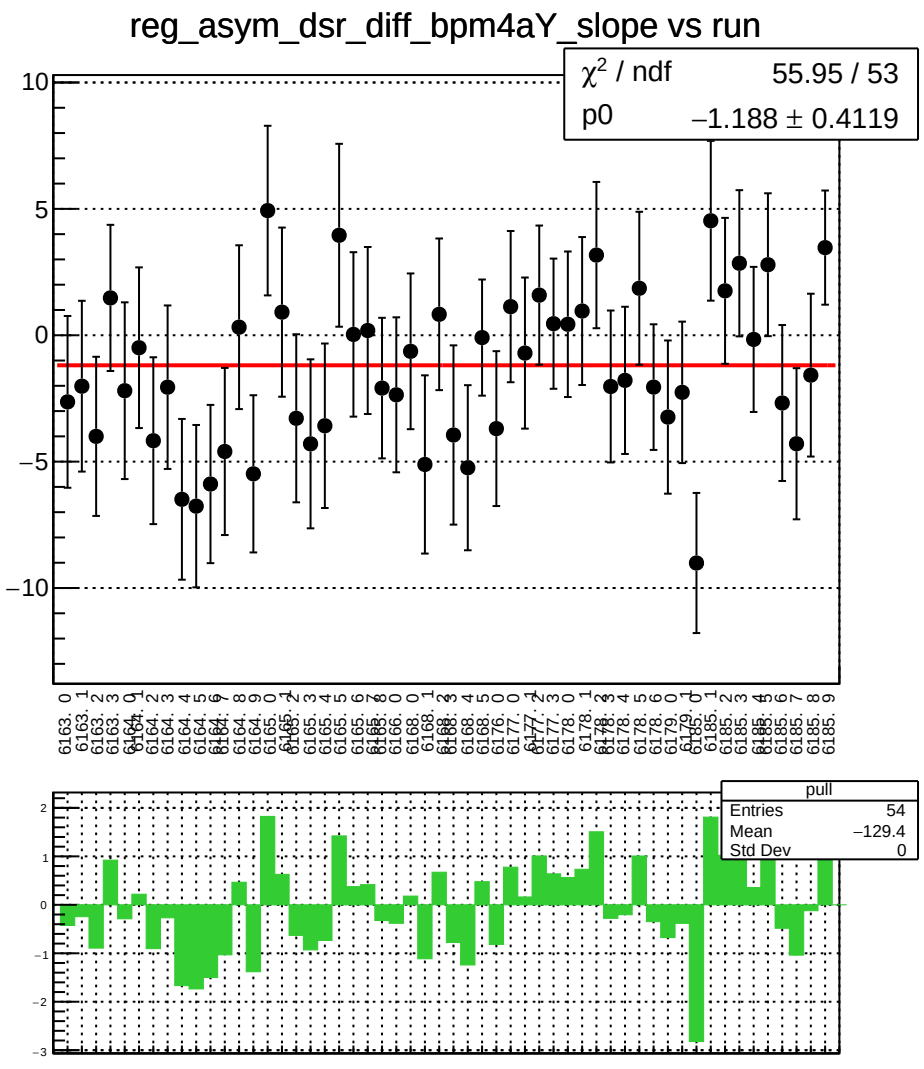

reg_asym_dsl_diff_bpm4eY_slope vs run
χ² / ndf 42.24 / 53
p0 0.3756 ± 0.3859
pull
Entries 54
Mean −261.1
Std Dev 0

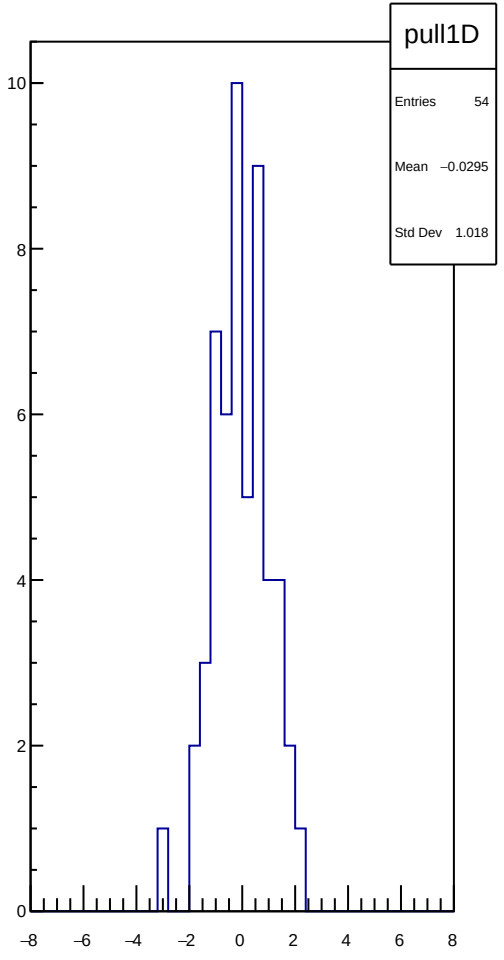

pull1D
Entries 54
Mean 0.002698
Std Dev 0.8845

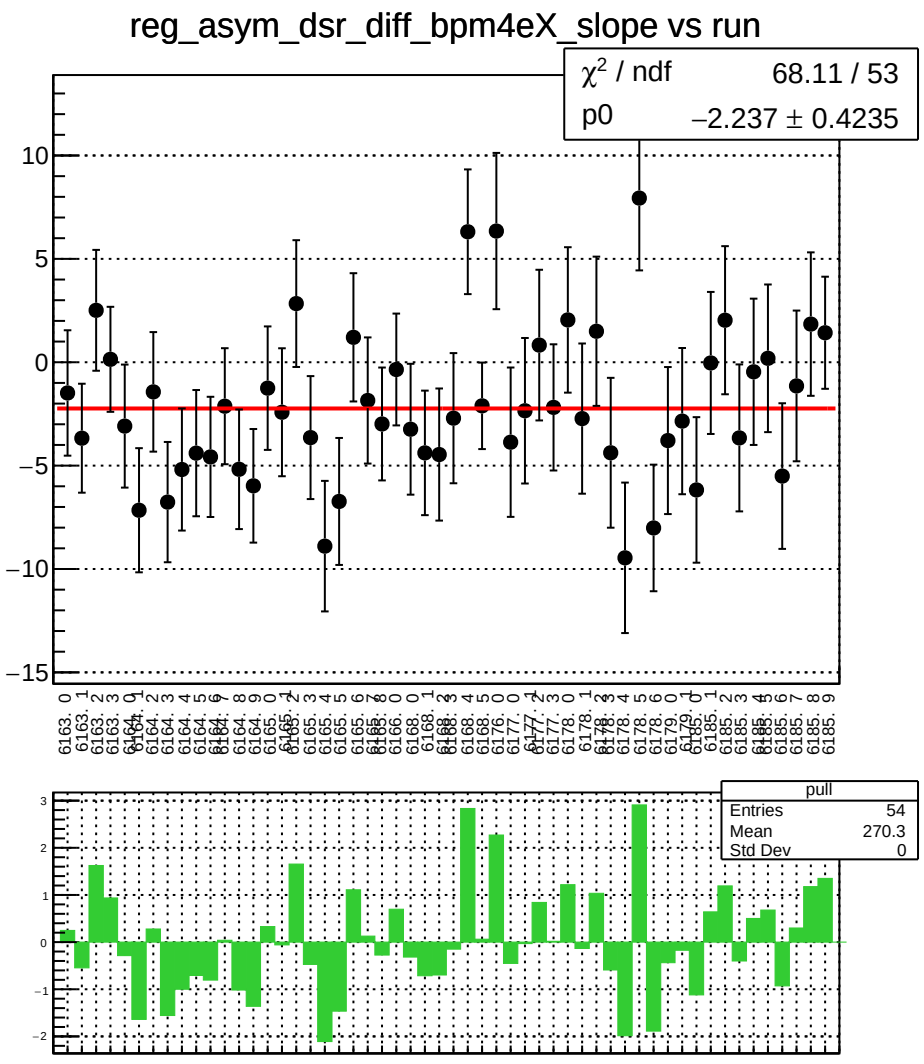

reg_asym_dsl_diff_bpm12X_slope vs run
χ² / ndf 48.09 / 53
p0 0.07464 ± 0.02949
pull
Entries 54
Mean 162.8
Std Dev 0
pull1D
Entries 54
Mean 0.002064
Std Dev 0.9437

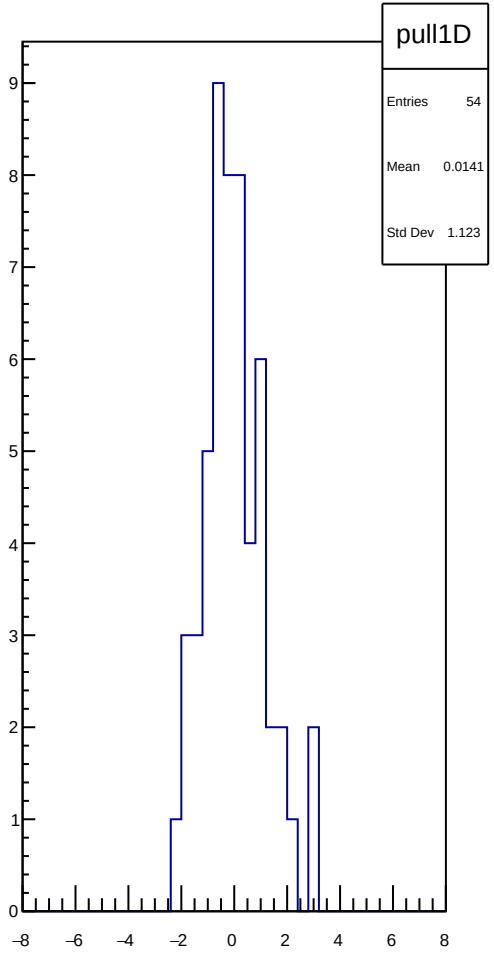

reg_asym_dsr_diff_bpm1X_slope vs run
χ² / ndf 72.51 / 53
p0 1.754 ± 0.358
pull
Entries 54
Mean 192.3
Std Dev 0

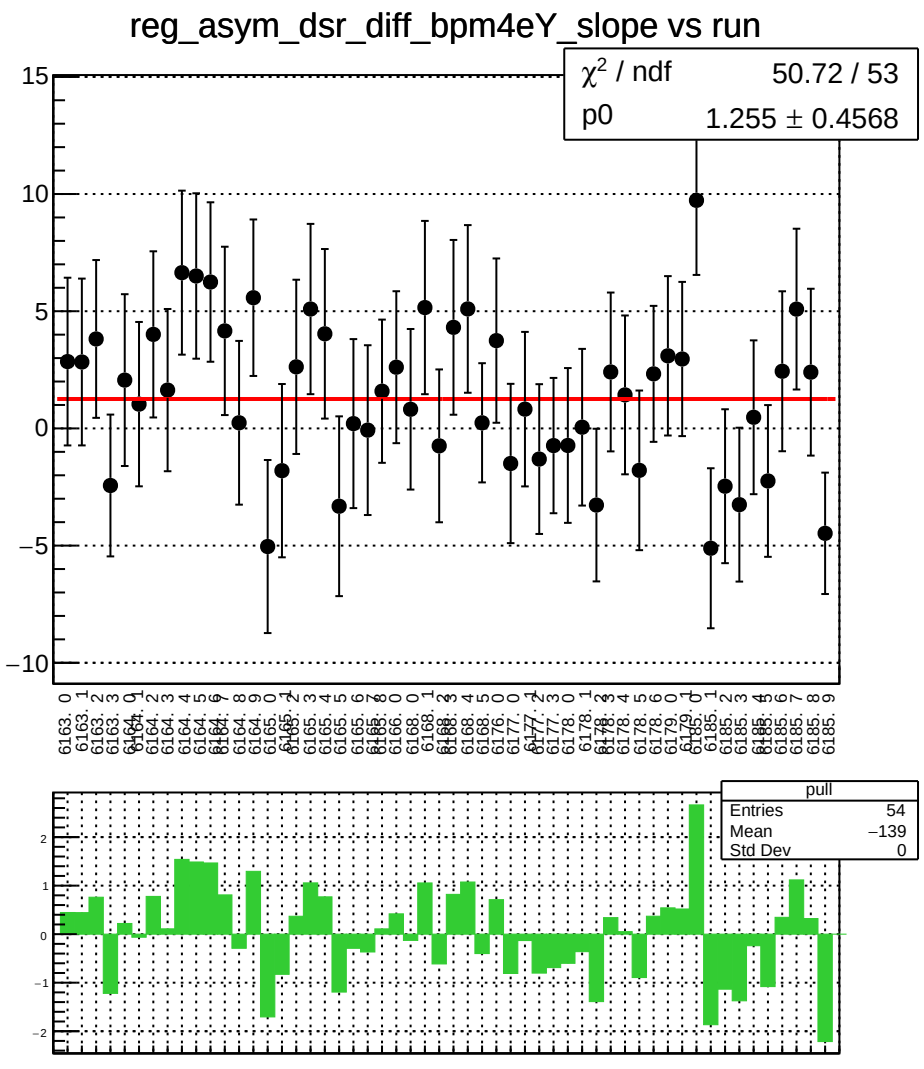

pull1D
Entries 54
Mean −0.01531
Std Dev 1.159

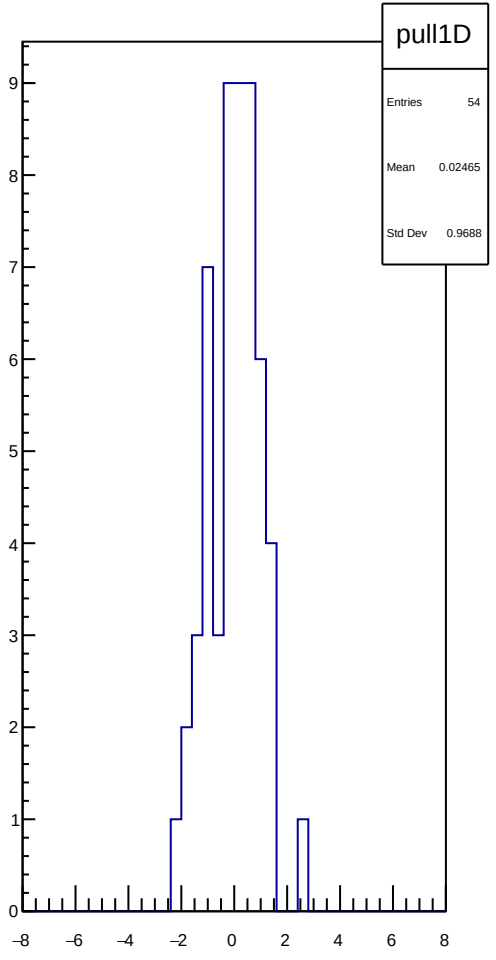

reg_asym_dsr_diff_bpm4aY_slope vs run
χ² / ndf 55.95 / 53
p0 −1.188 ± 0.4119
pull
Entries 54
Mean −129.4
Std Dev 0

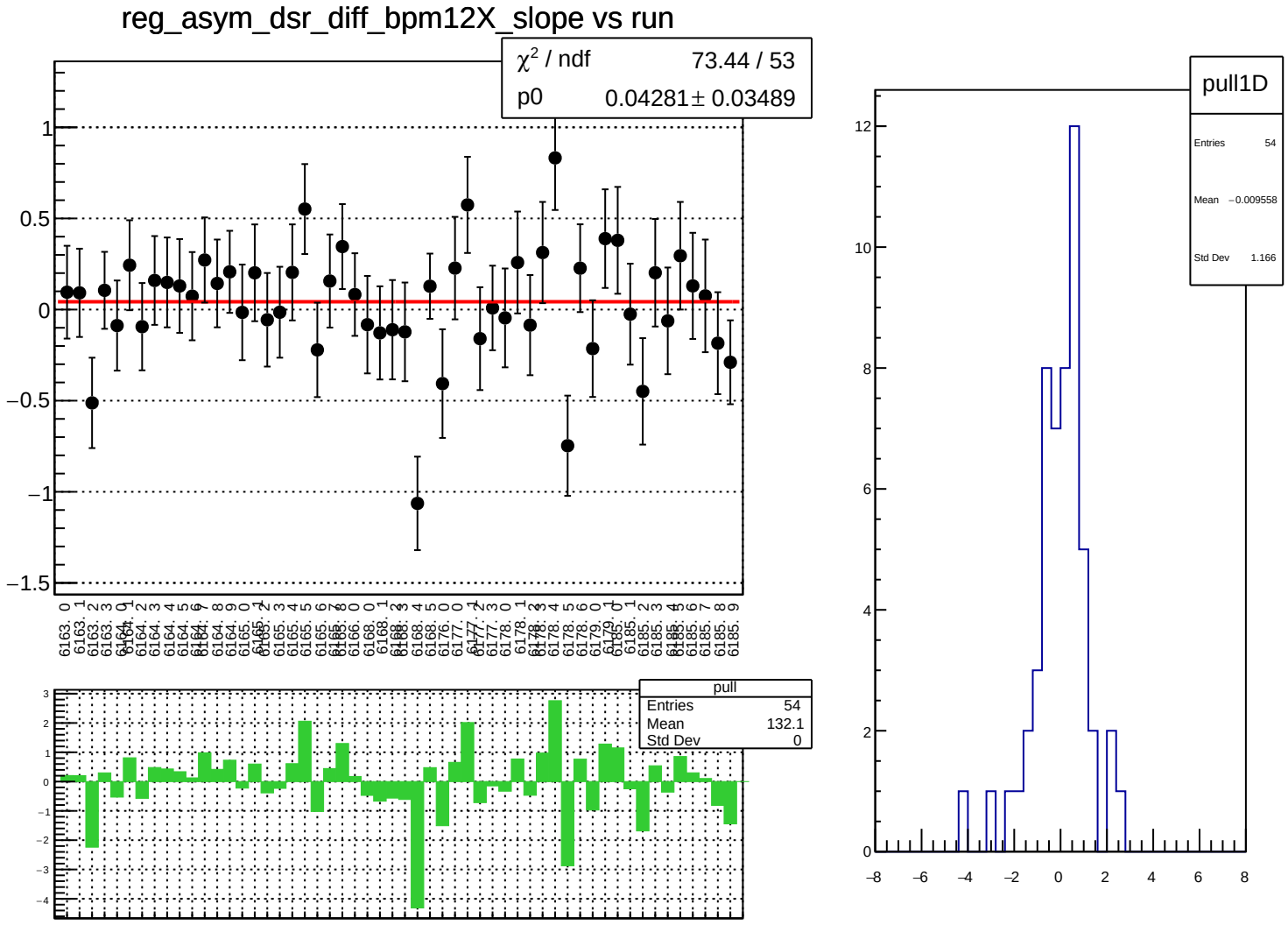

pull1D
Entries 54
Mean −0.0295
Std Dev 1.018

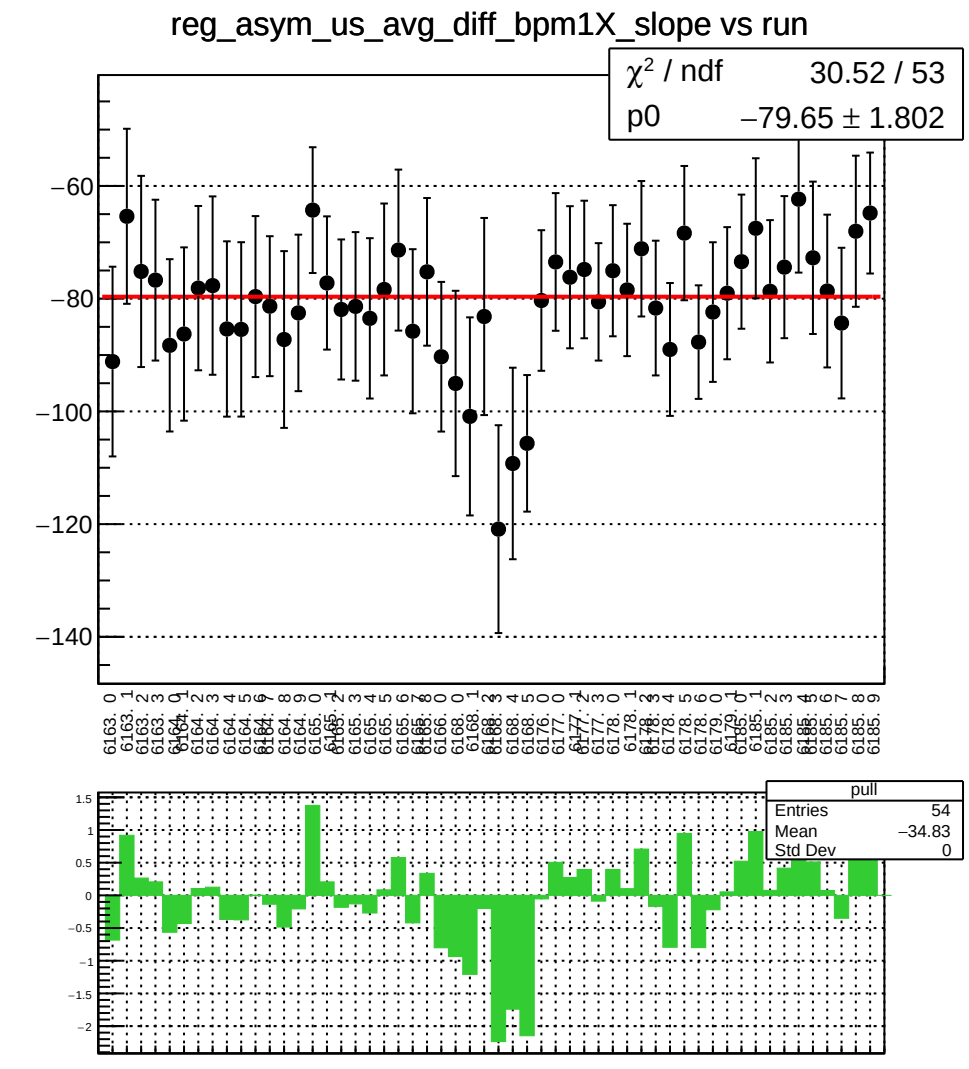

reg_asym_dsr_diff_bpm4eX_slope vs run
χ² / ndf 68.11 / 53
p0 −2.237 ± 0.4235
pull
Entries 54
Mean 270.3
Std Dev 0

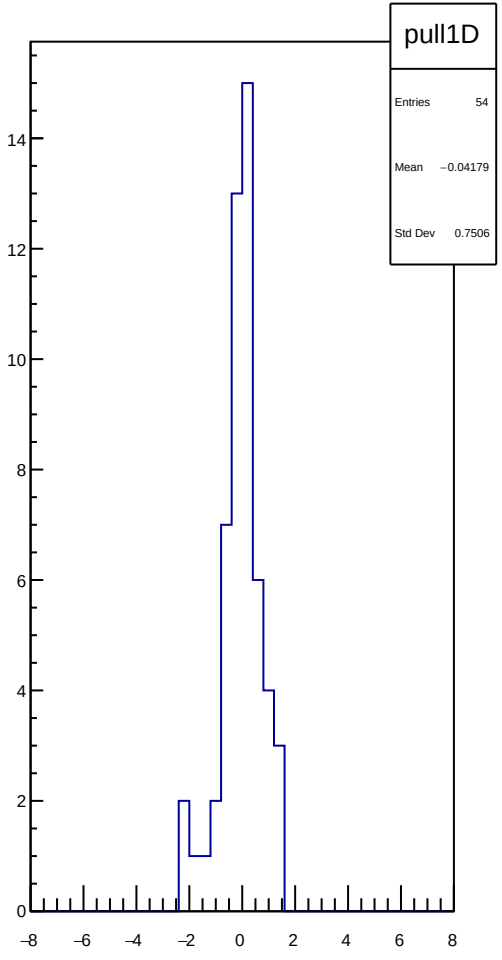

pull1D
Entries 54
Mean 0.0141
Std Dev 1.123

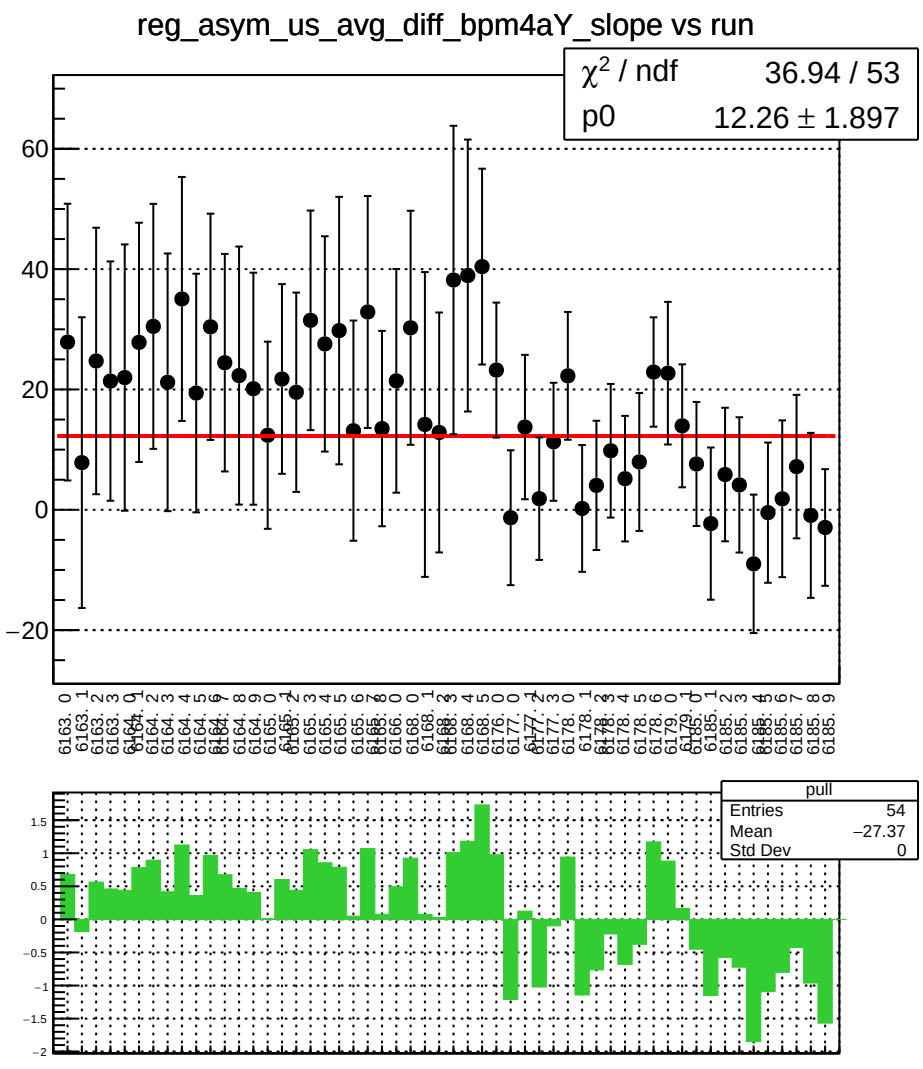

reg_asym_dsr_diff_bpm4eY_slope vs run
χ² / ndf 50.72 / 53
p0 1.255 ± 0.4568
pull
Entries 54
Mean −139
Std Dev 0

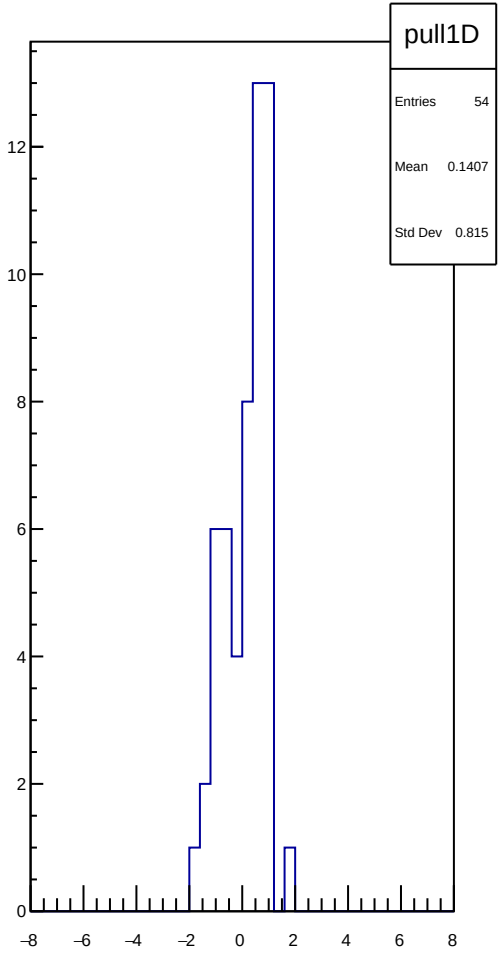

pull1D
Entries 54
Mean 0.02465
Std Dev 0.9688

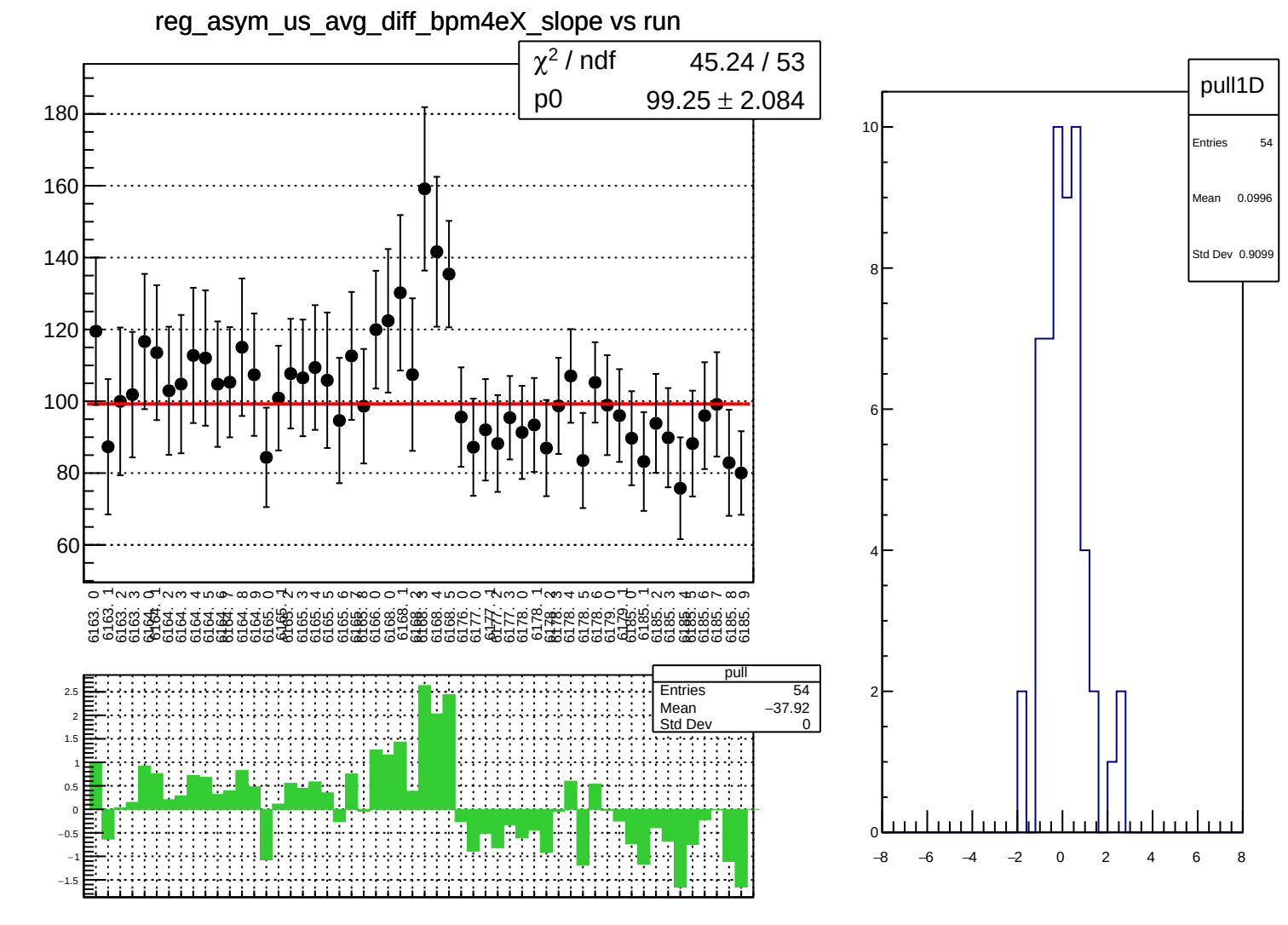

reg_asym_dsr_diff_bpm12X_slope vs run
χ² / ndf 73.44 / 53
p0 0.04281 ± 0.03489
pull
Entries 54
Mean 132.1
Std Dev 0
pull1D
Entries 54
Mean −0.009558
Std Dev 1.166

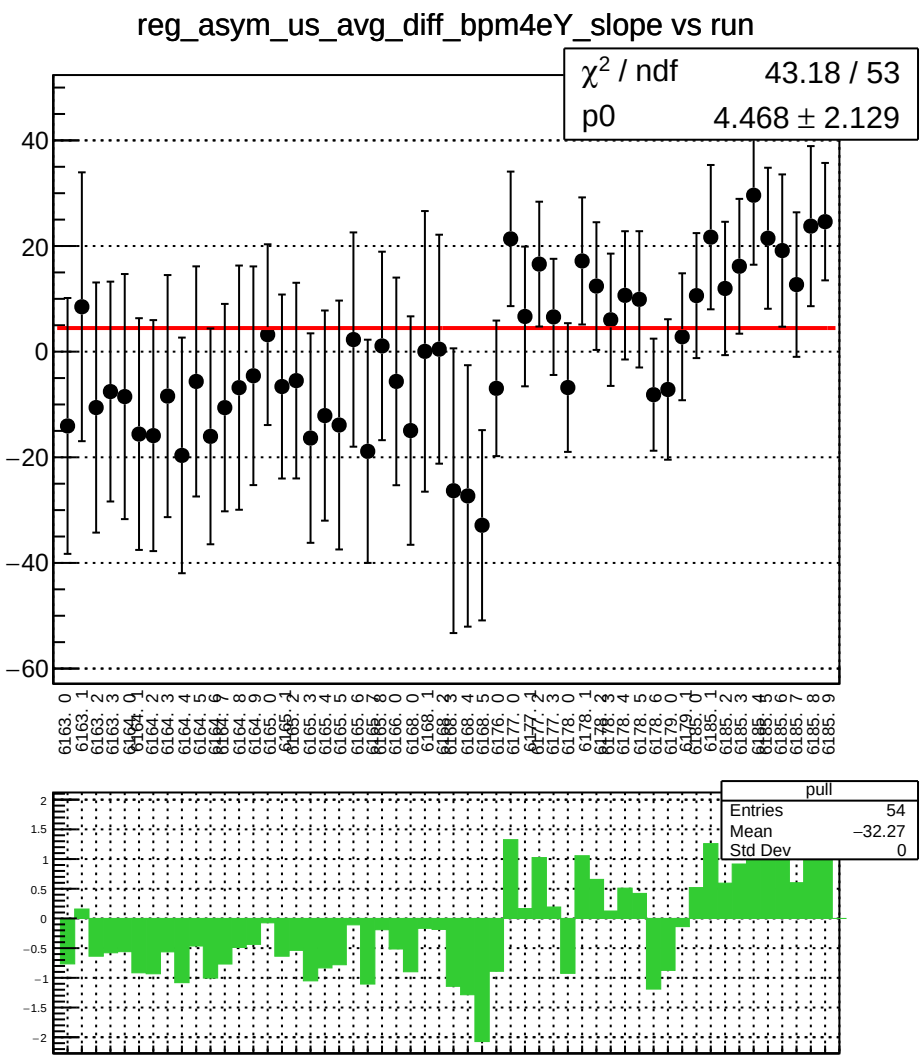

reg_asym_us_avg_diff_bpm1X_slope vs run
χ² / ndf 30.52 / 53
p0 −79.65 ± 1.802
pull
Entries 54
Mean −34.83
Std Dev 0

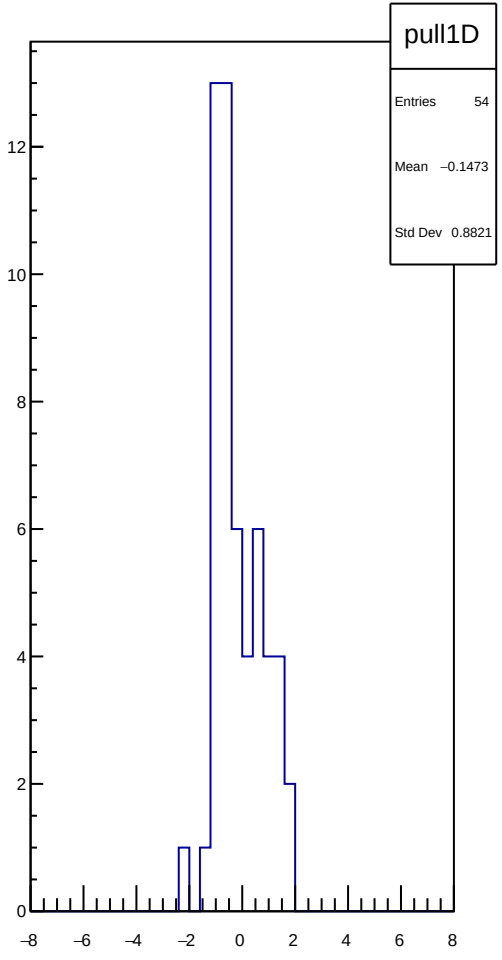

pull1D
Entries 54
Mean −0.04179
Std Dev 0.7506

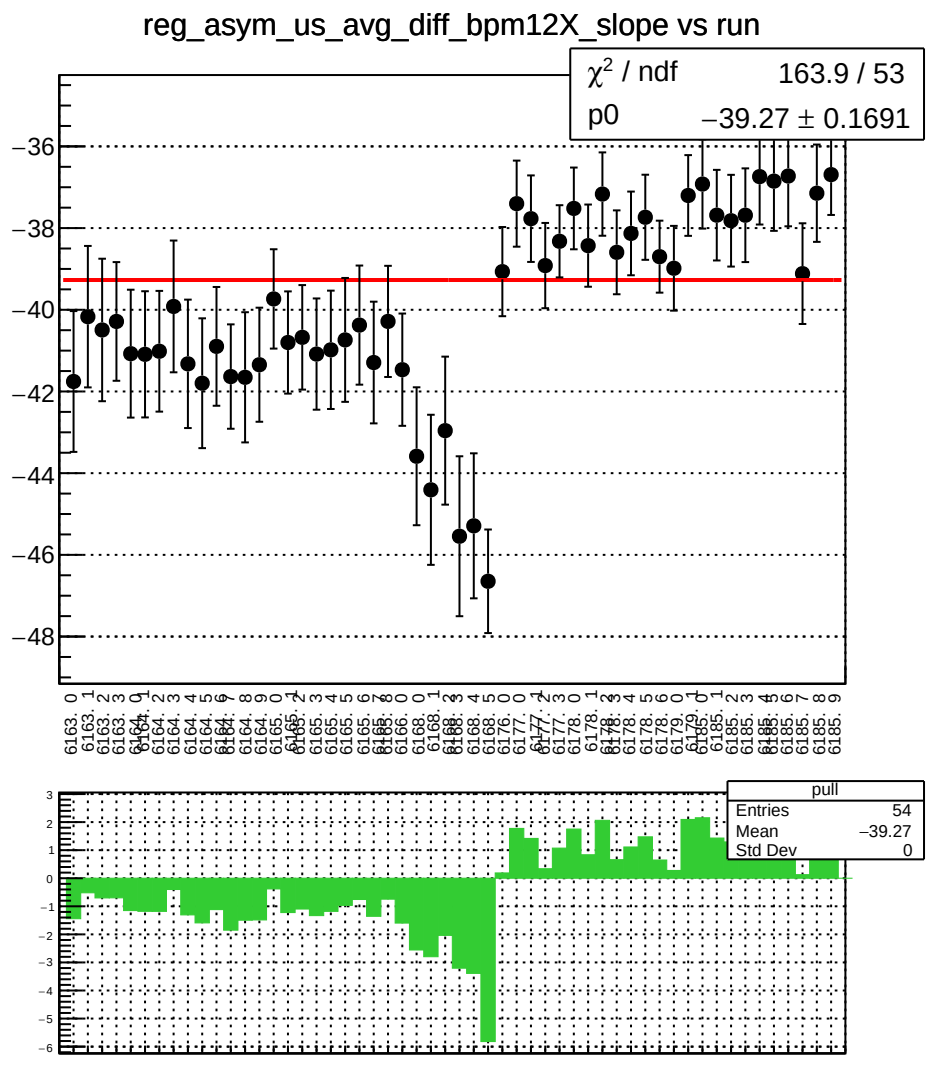

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 36.94 / 53
p0 12.26 ± 1.897
pull
Entries 54
Mean −27.37
Std Dev 0

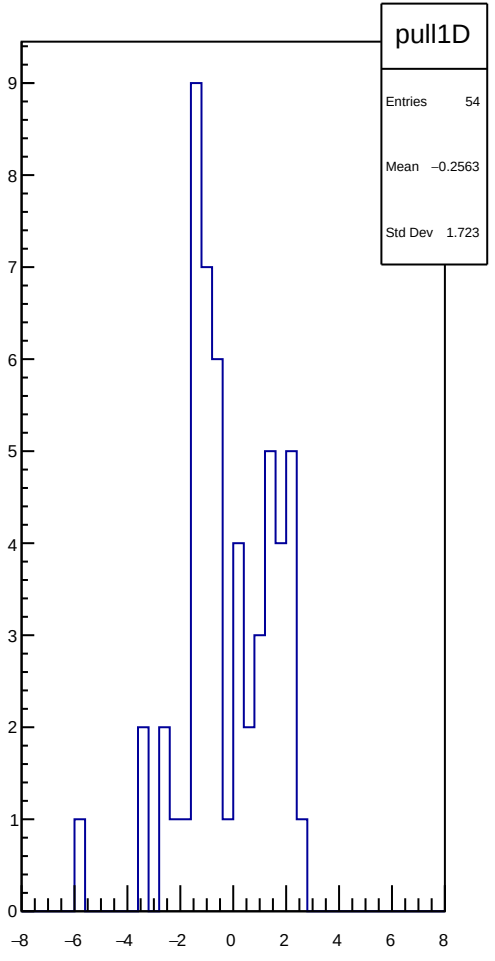

pull1D
Entries 54
Mean 0.1407
Std Dev 0.815

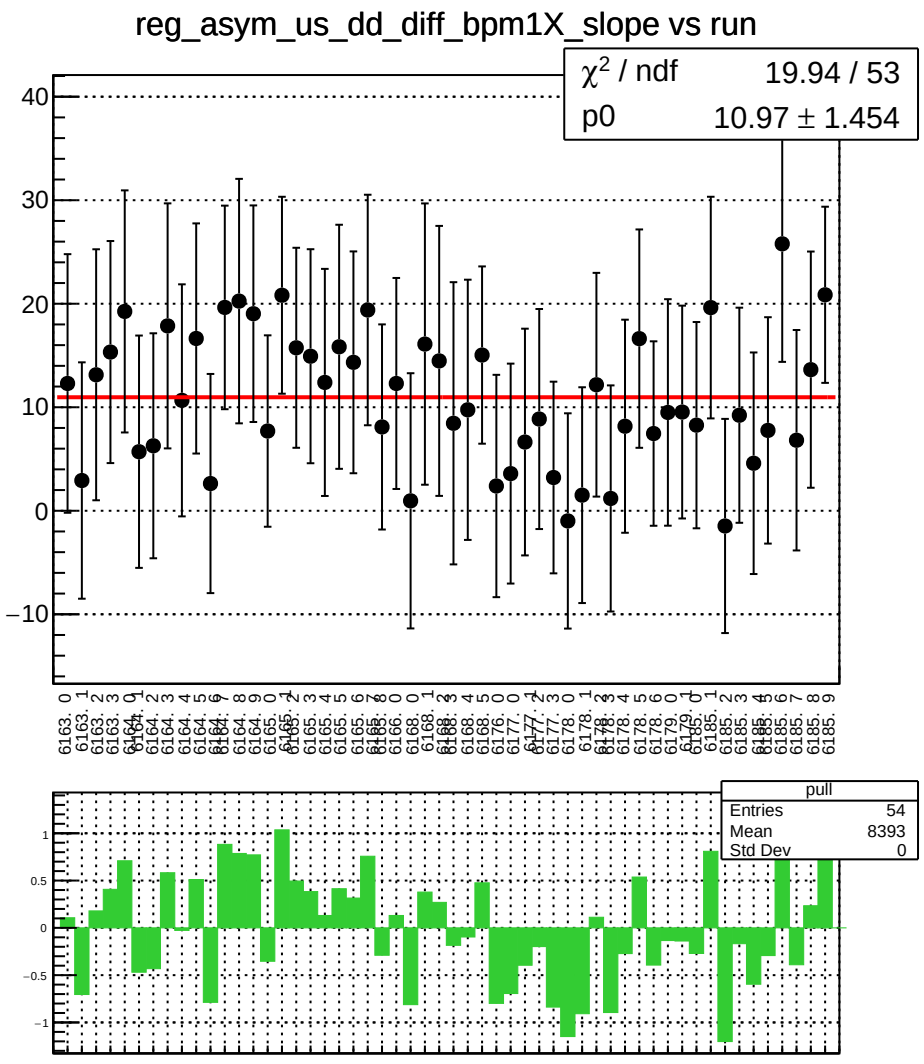

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ² / ndf 45.24 / 53
p0 99.25 ± 2.084
pull
Entries 54
Mean −37.92
Std Dev 0
pull1D
Entries 54
Mean 0.0996
Std Dev 0.9099

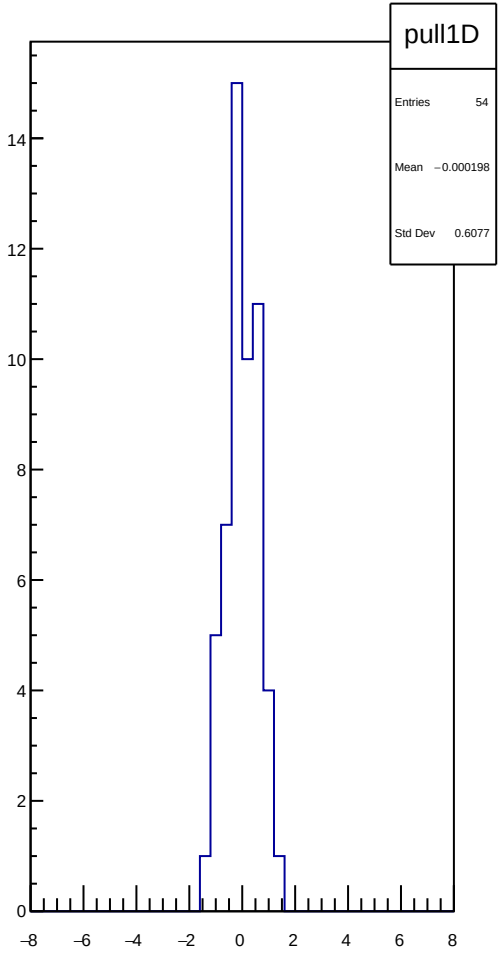

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ² / ndf 43.18 / 53
p0 4.468 ± 2.129
pull
Entries 54
Mean −32.27
Std Dev 0

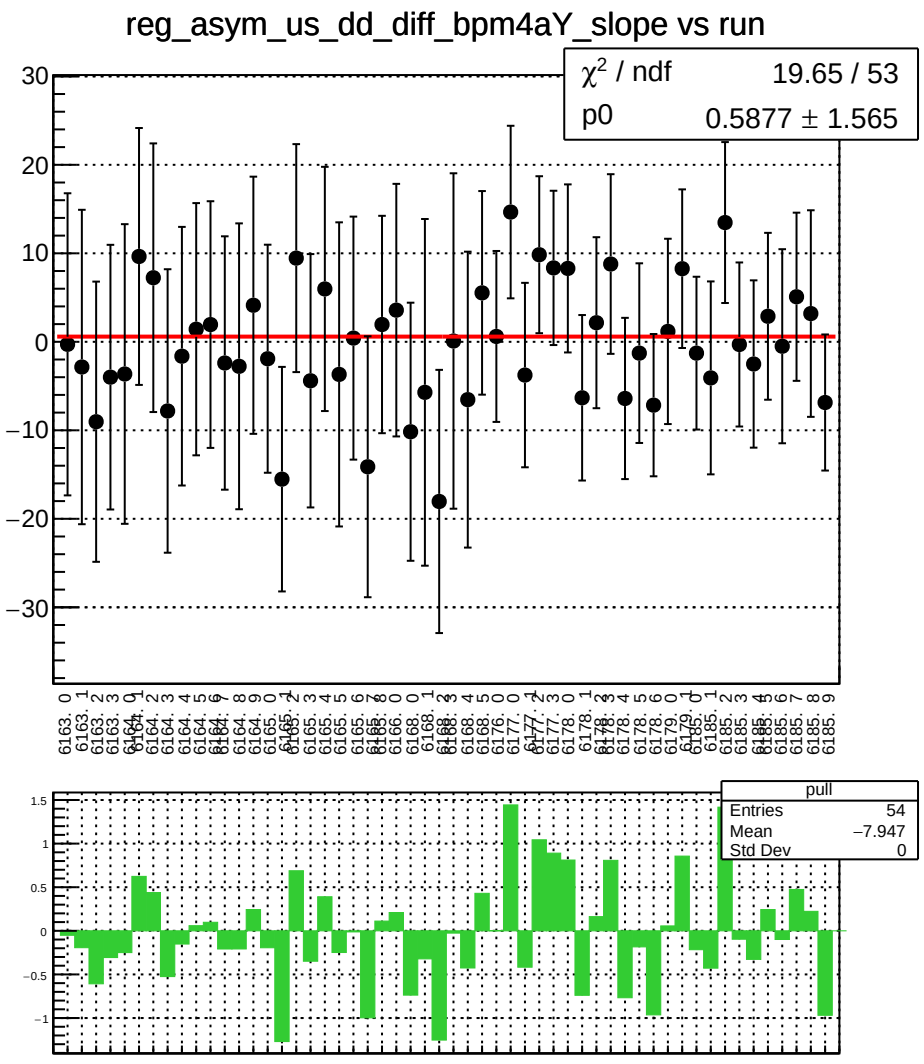

pull1D
Entries 54
Mean −0.1473
Std Dev 0.8821

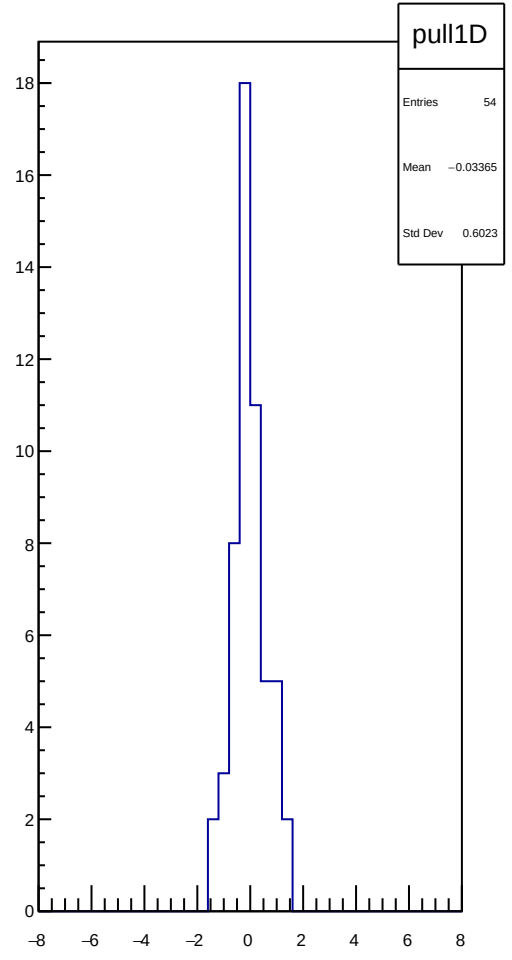

reg_asym_us_avg_diff_bpm12X_slope vs run
χ² / ndf 163.9 / 53
p0 −39.27 ± 0.1691
pull
Entries 54
Mean −39.27
Std Dev 0

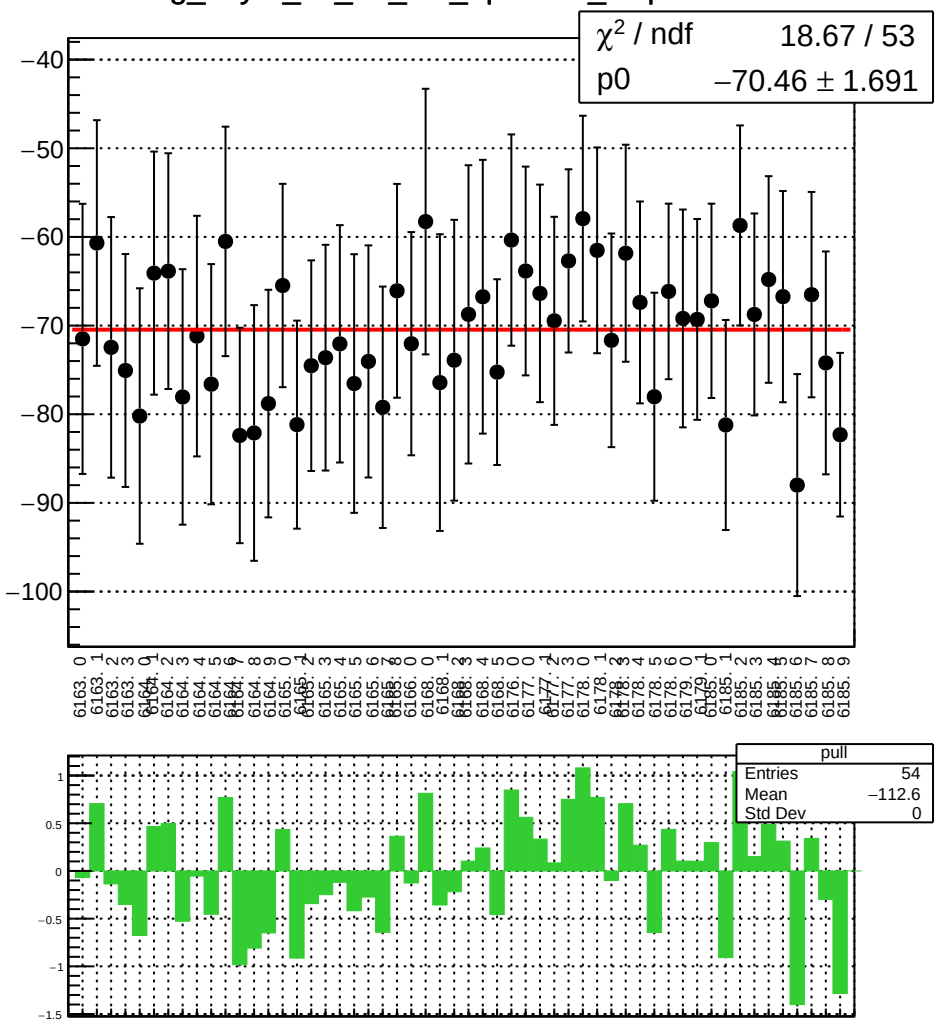

pull1D
Entries 54
Mean −0.2563
Std Dev 1.723

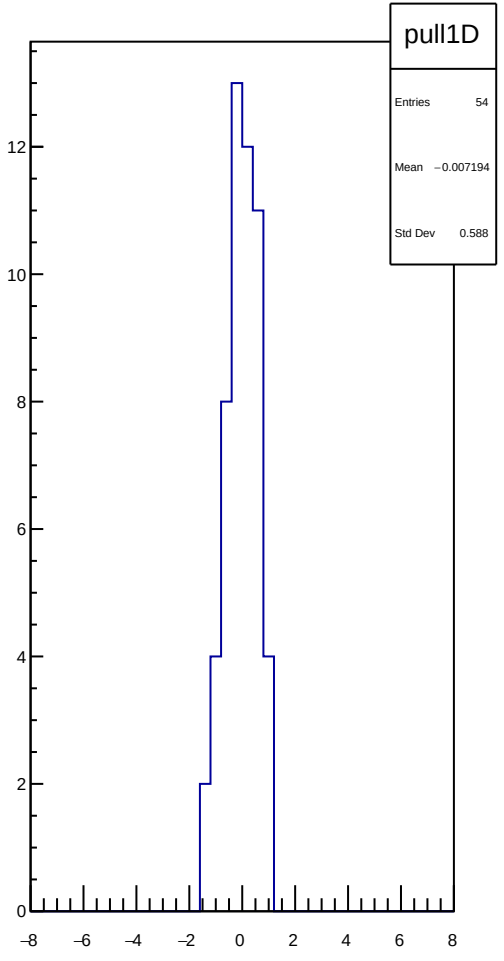

reg_asym_us_dd_diff_bpm1X_slope vs run
χ² / ndf 19.94 / 53
p0 10.97 ± 1.454
pull
Entries 54
Mean 8393
Std Dev 0

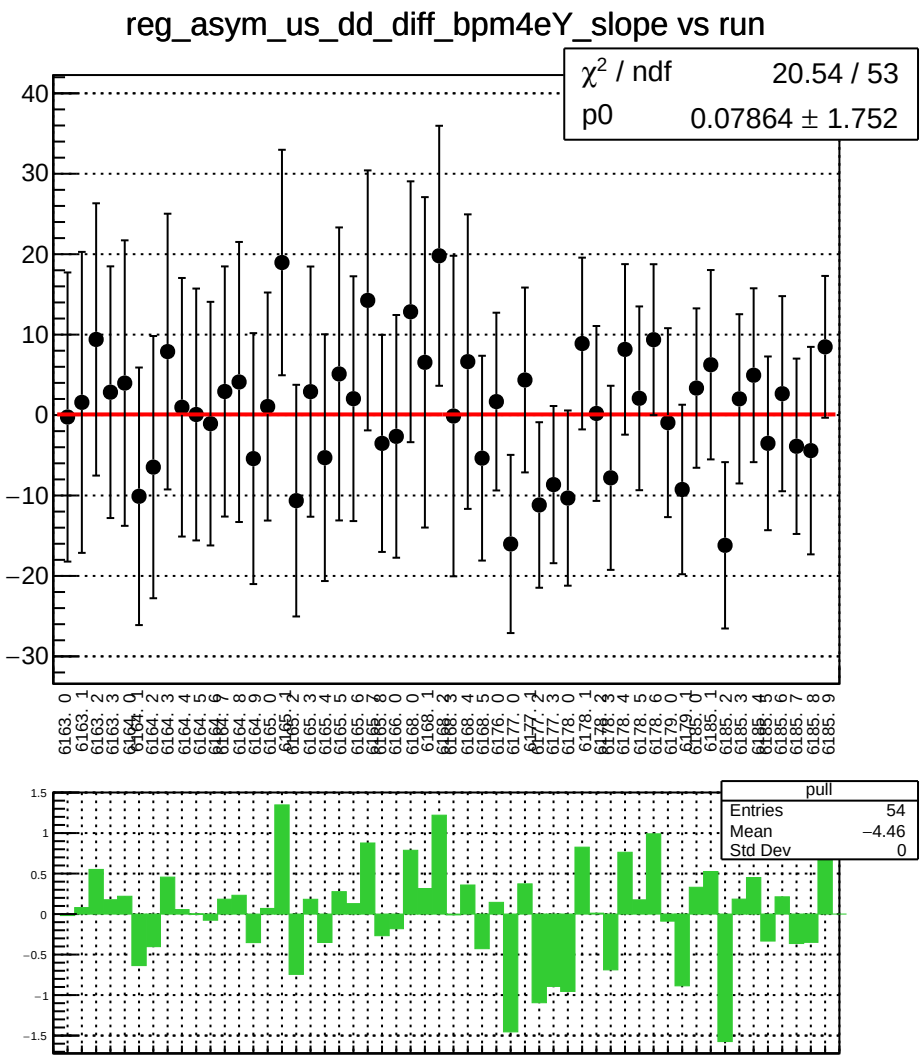

pull1D
Entries 54
Mean −0.000198
Std Dev 0.6077

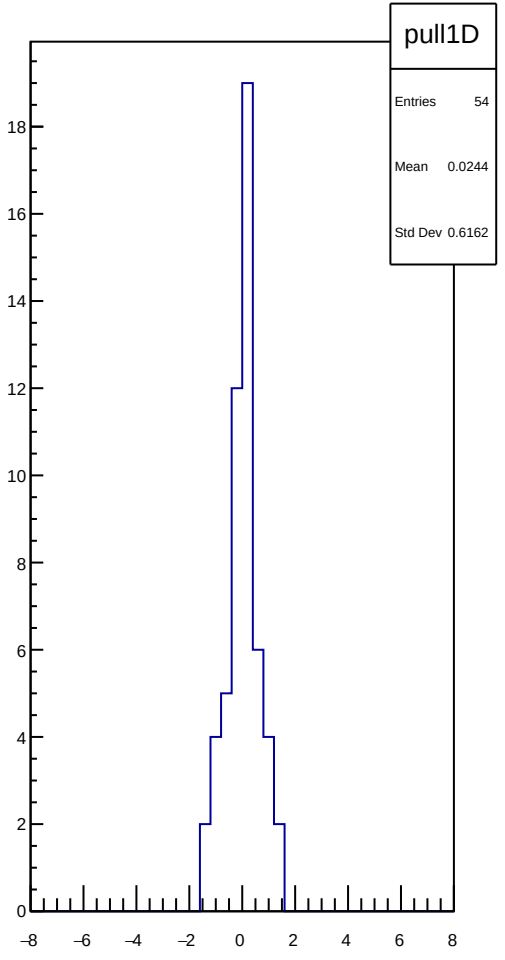

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ² / ndf 19.65 / 53
p0 0.5877 ± 1.565
pull
Entries 54
Mean −7.947
Std Dev 0

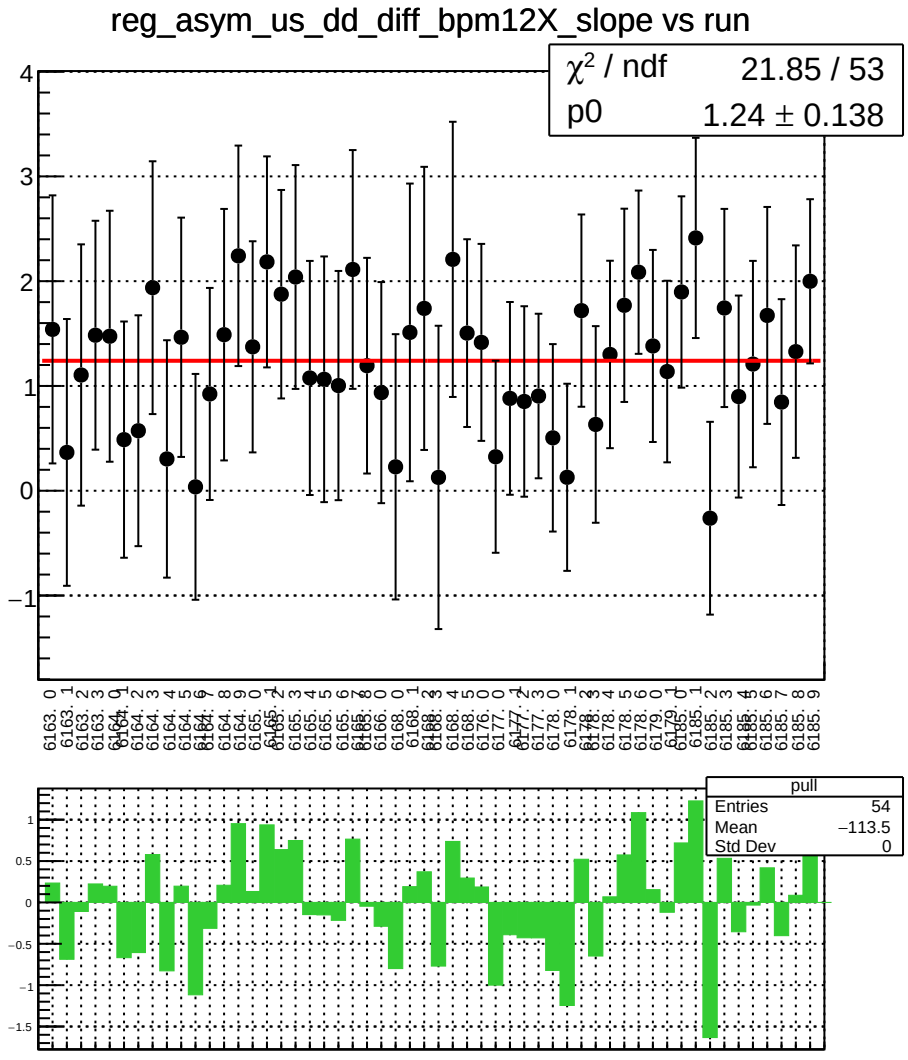

pull1D
Entries 54
Mean −0.03365
Std Dev 0.6023

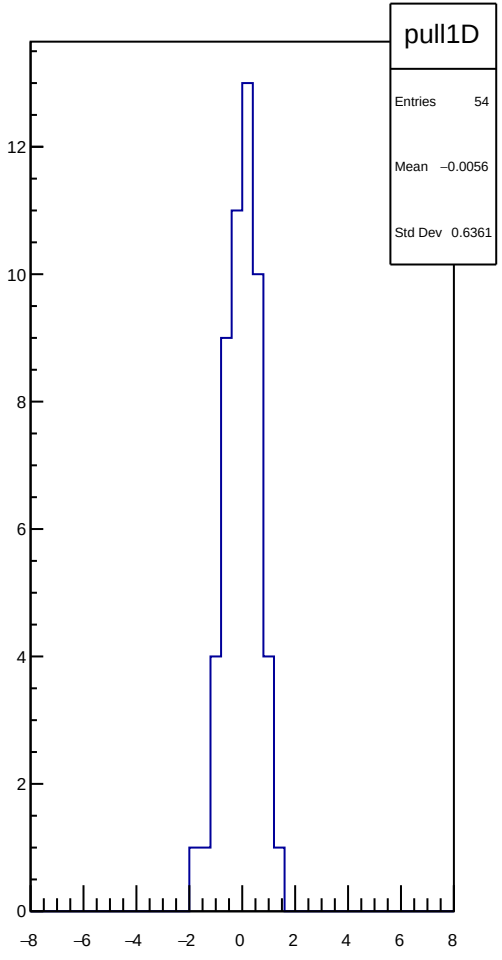

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ² / ndf 18.67 / 53
p0 −70.46 ± 1.691
pull
Entries 54
Mean −112.6
Std Dev 0

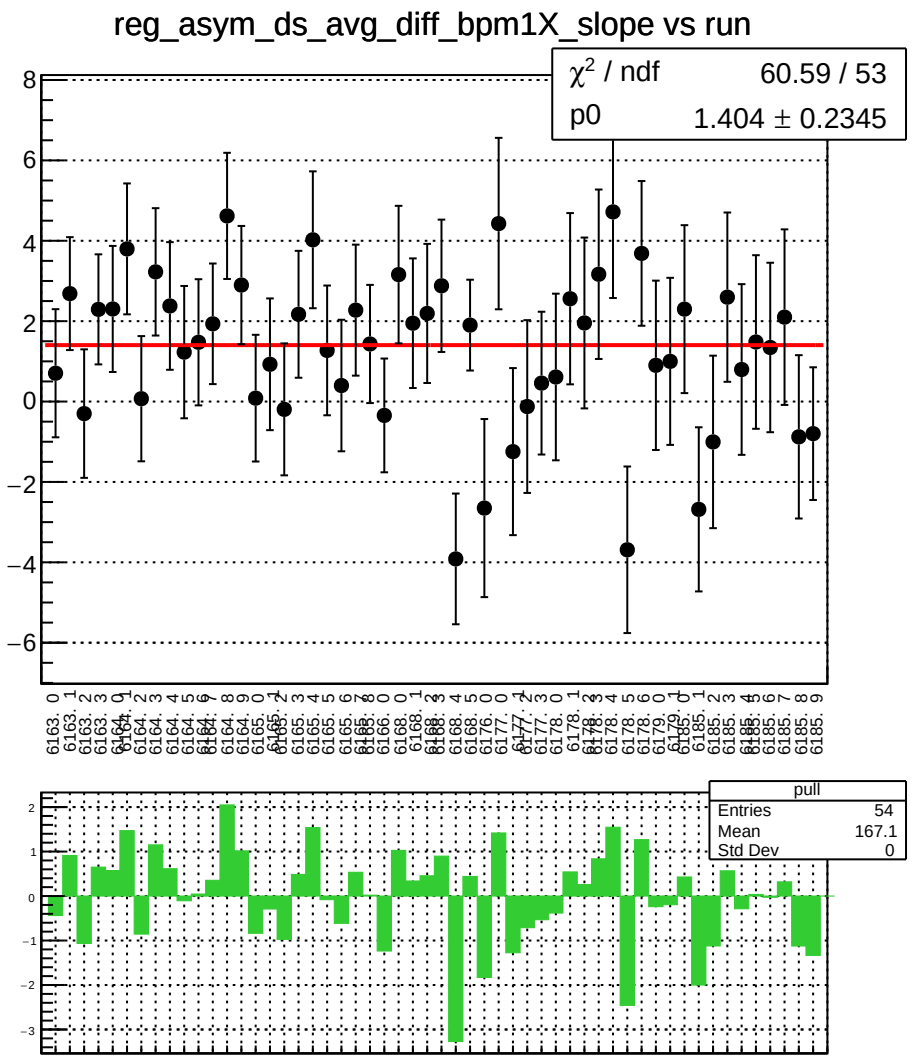

pull1D
Entries 54
Mean −0.007194
Std Dev 0.588

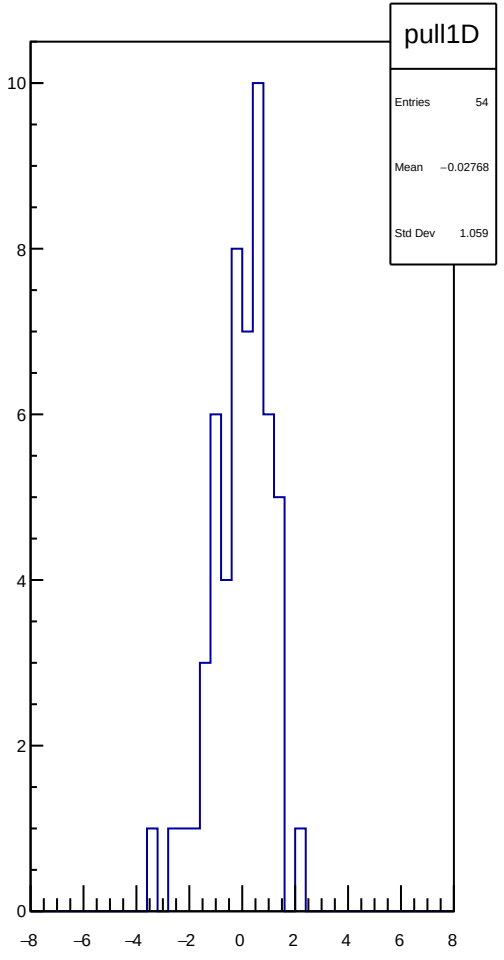

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ² / ndf 20.54 / 53
p0 0.07864 ± 1.752
pull
Entries 54
Mean −4.46
Std Dev 0

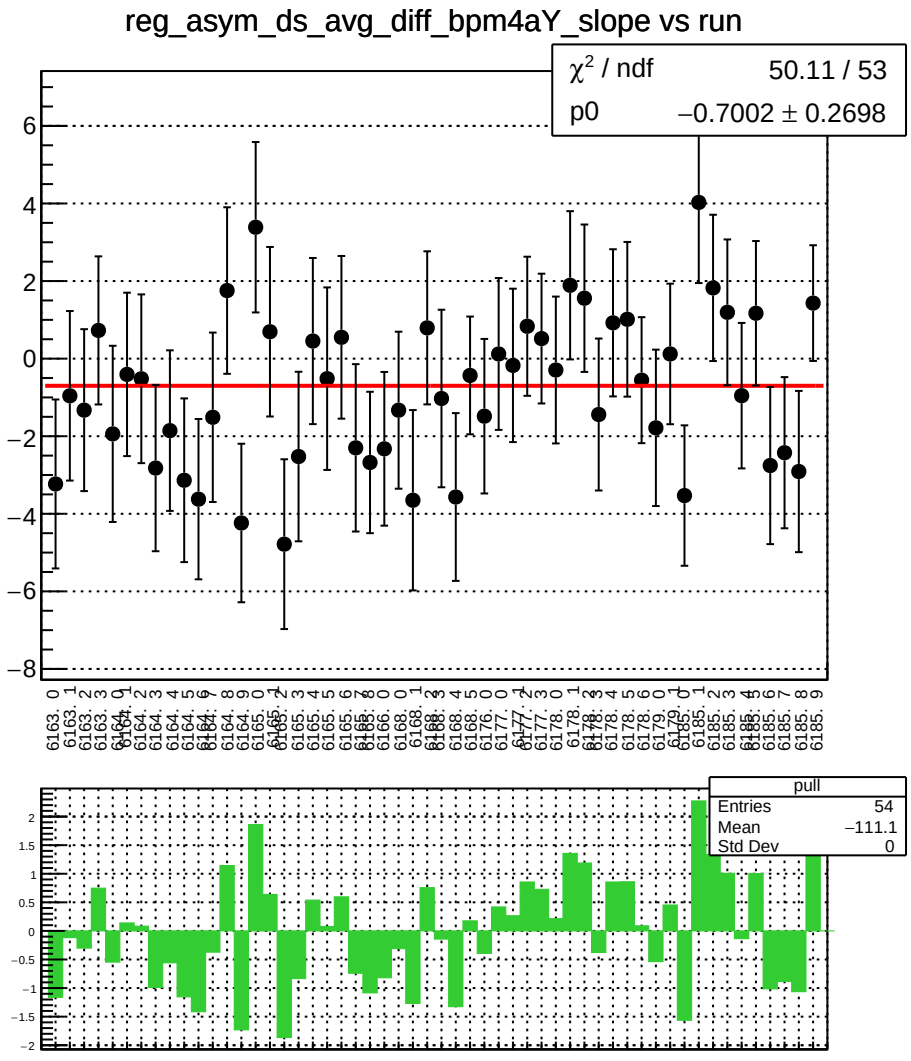

pull1D
Entries 54
Mean 0.0244
Std Dev 0.6162

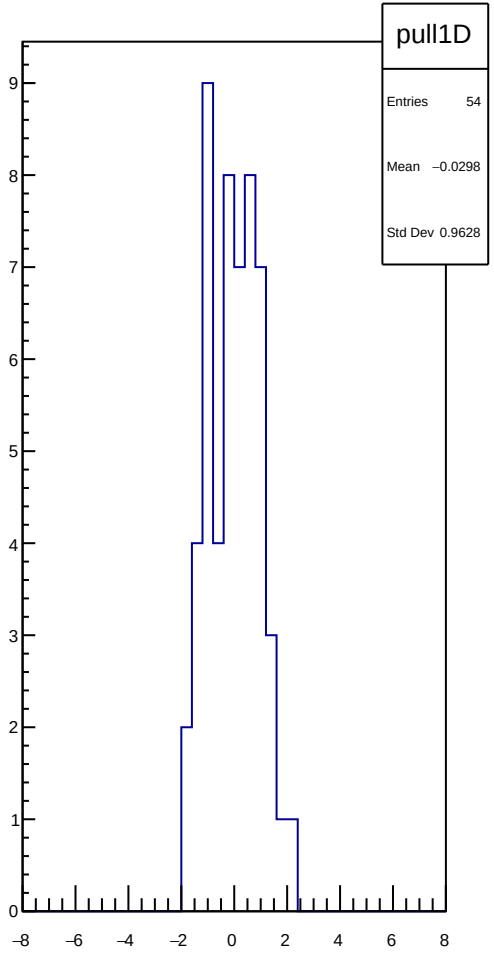

reg_asym_us_dd_diff_bpm12X_slope vs run
χ² / ndf 21.85 / 53
p0 1.24 ± 0.138
pull
Entries 54
Mean −113.5
Std Dev 0

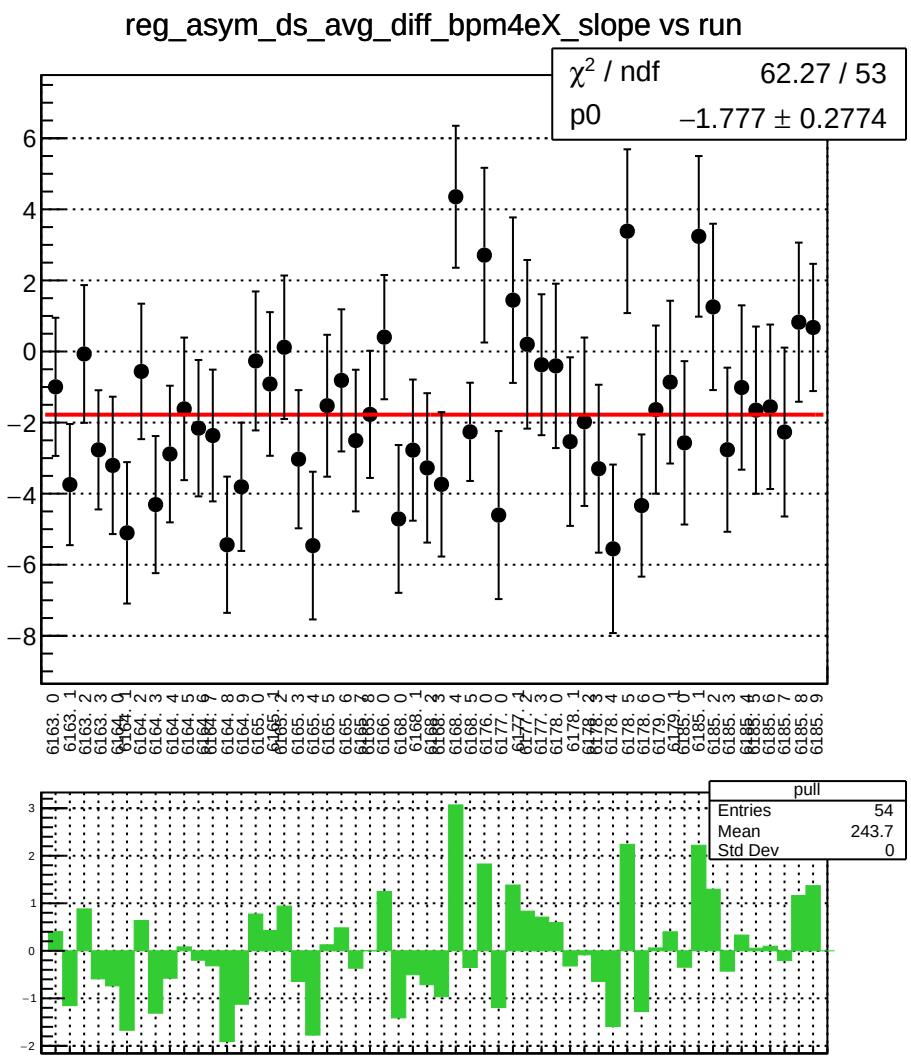

pull1D
Entries 54
Mean −0.0056
Std Dev 0.6361

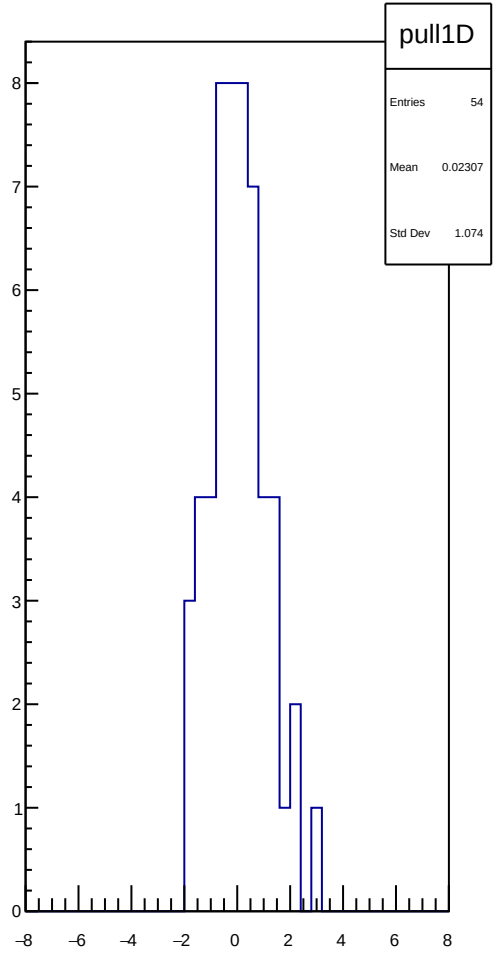

reg_asym_ds_avg_diff_bpm1X_slope vs run
χ² / ndf 60.59 / 53
p0 1.404 ± 0.2345
pull
Entries 54
Mean 167.1
Std Dev 0

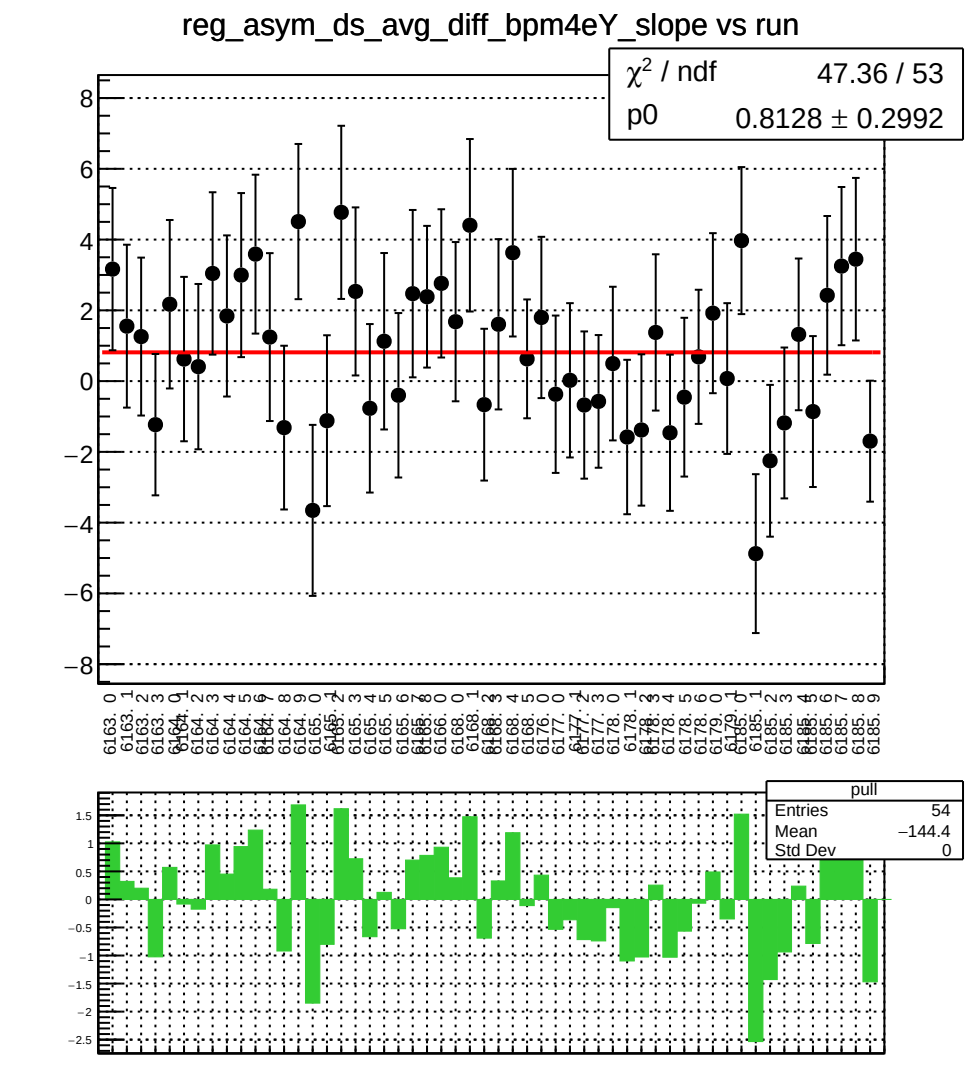

pull1D
Entries 54
Mean −0.02768
Std Dev 1.059

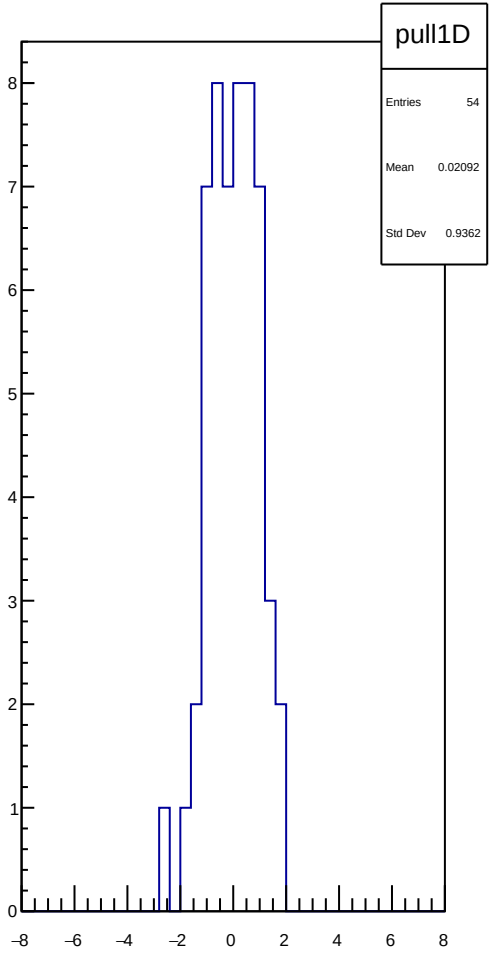

reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 50.11 / 53
p0 −0.7002 ± 0.2698
pull
Entries 54
Mean −111.1
Std Dev 0

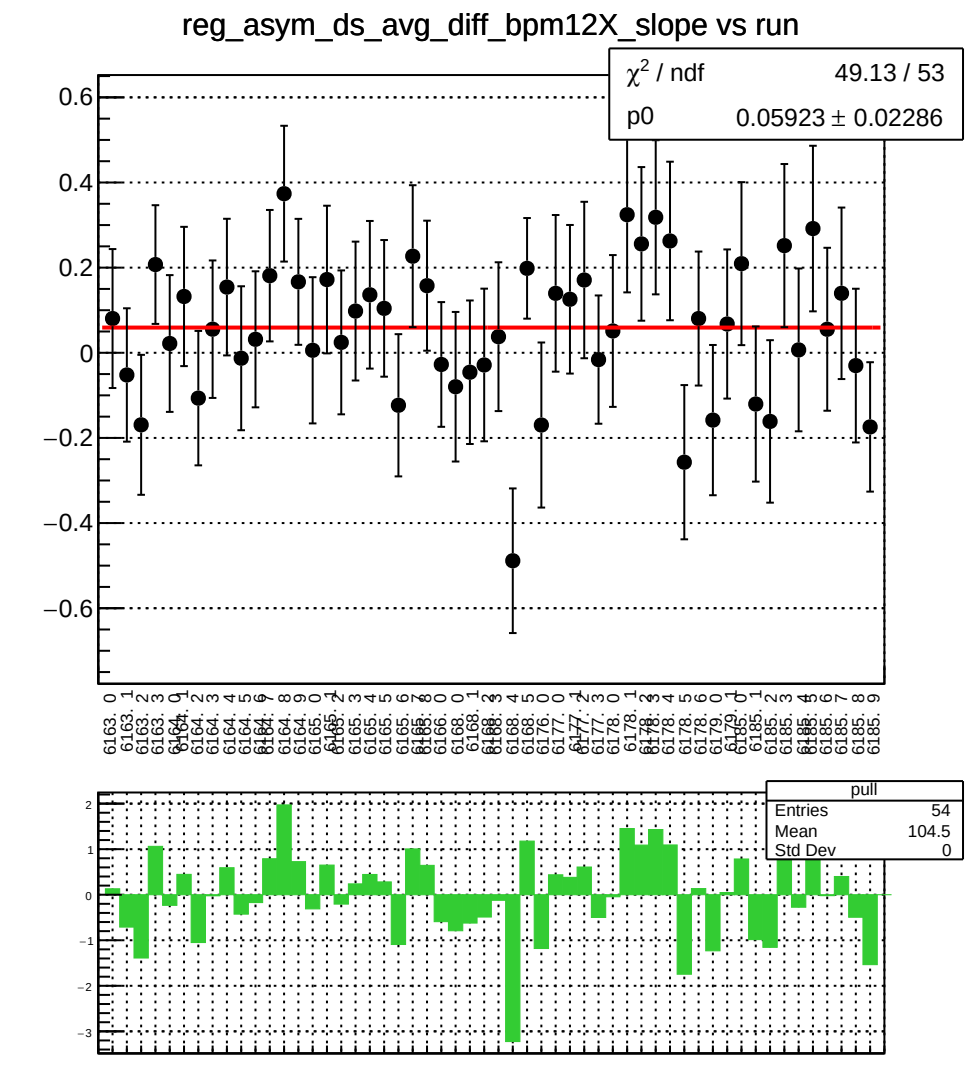

pull1D
Entries 54
Mean −0.0298
Std Dev 0.9628

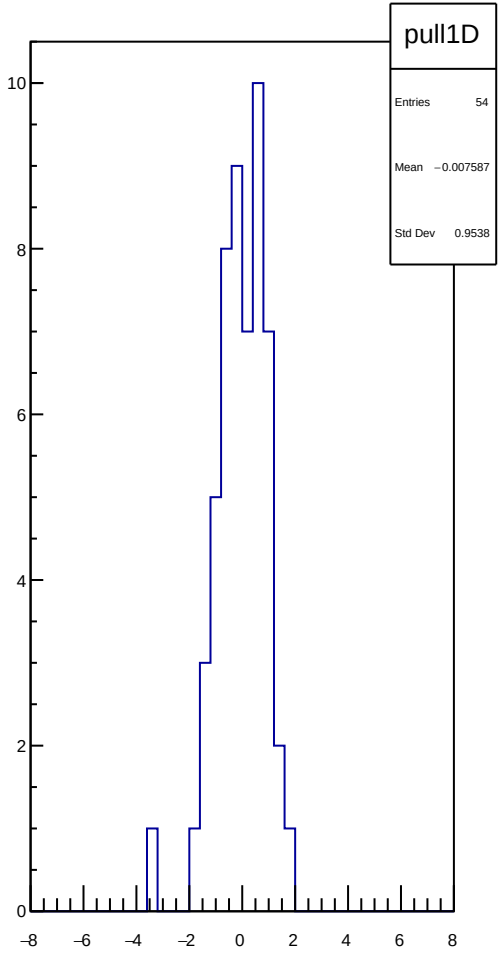

reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 62.27 / 53
p0 −1.777 ± 0.2774
pull
Entries 54
Mean 243.7
Std Dev 0

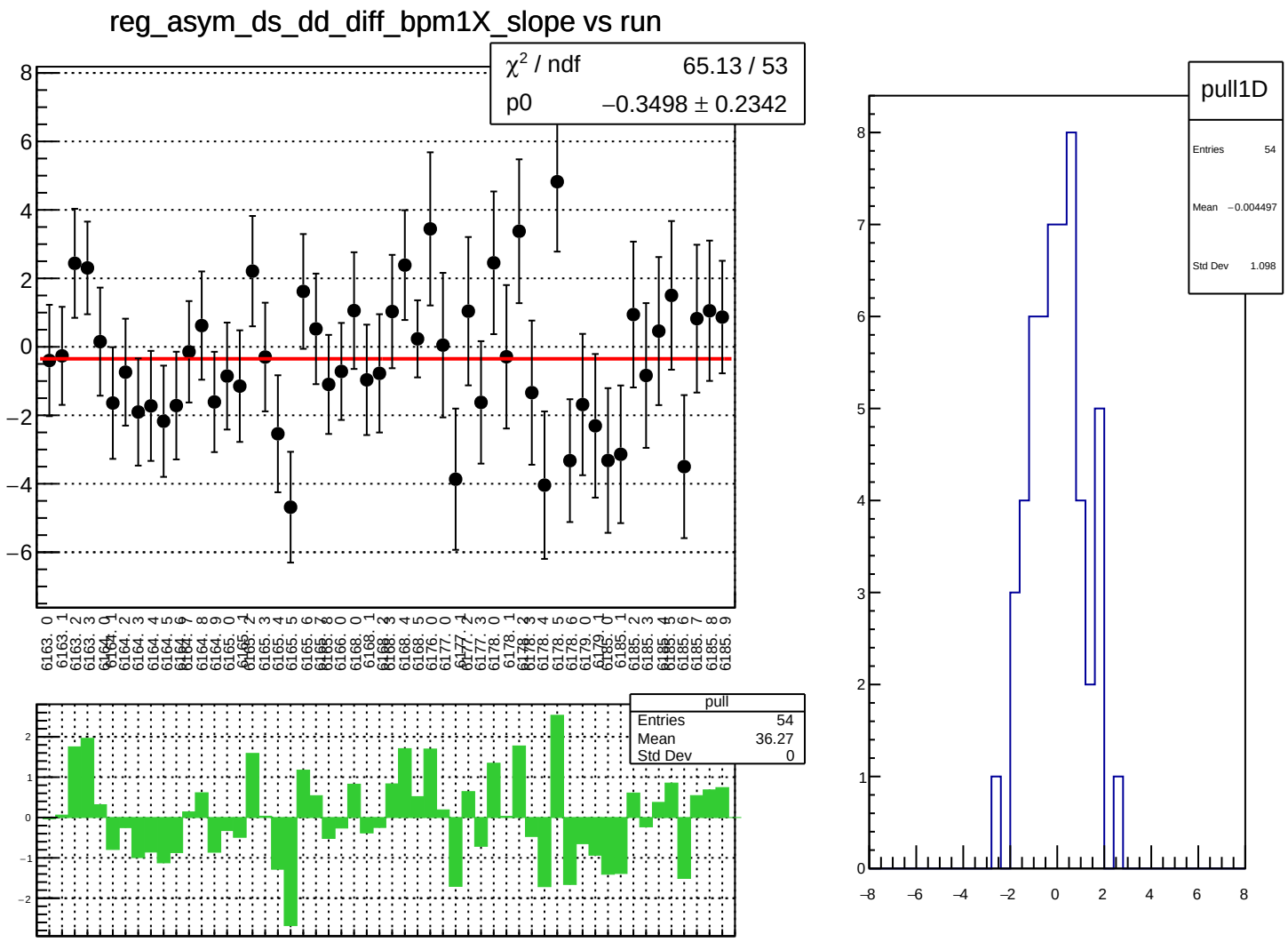

pull1D
Entries 54
Mean 0.02307
Std Dev 1.074

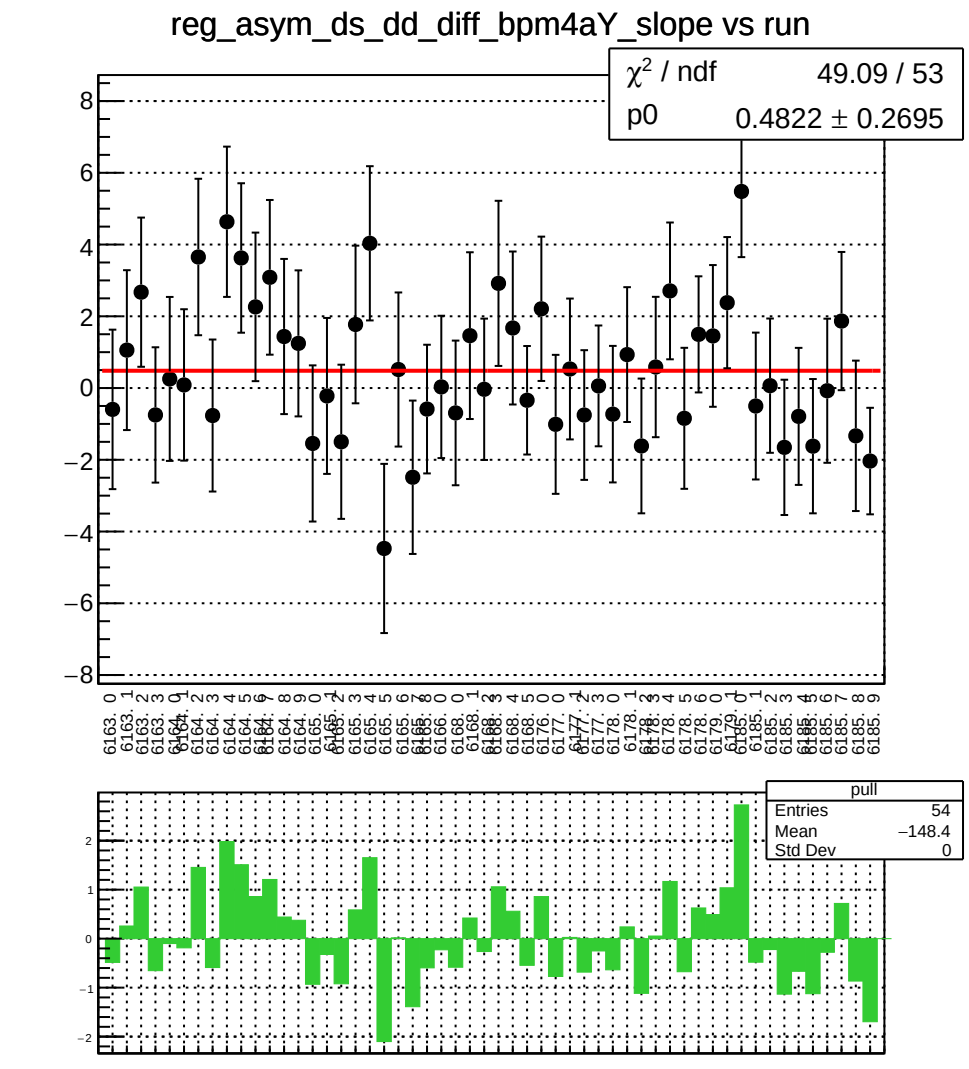

reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 47.36 / 53
p0 0.8128 ± 0.2992
pull
Entries 54
Mean −144.4
Std Dev 0

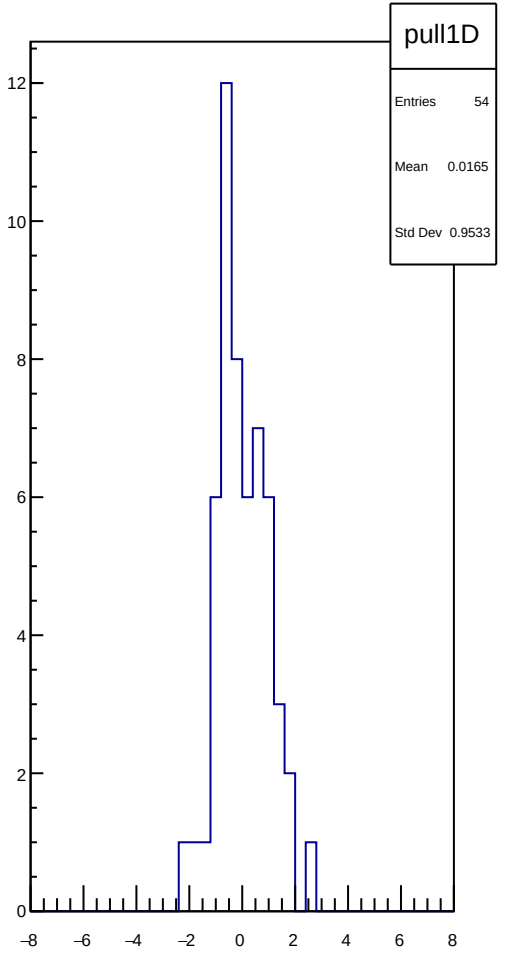

pull1D
Entries 54
Mean 0.02092
Std Dev 0.9362

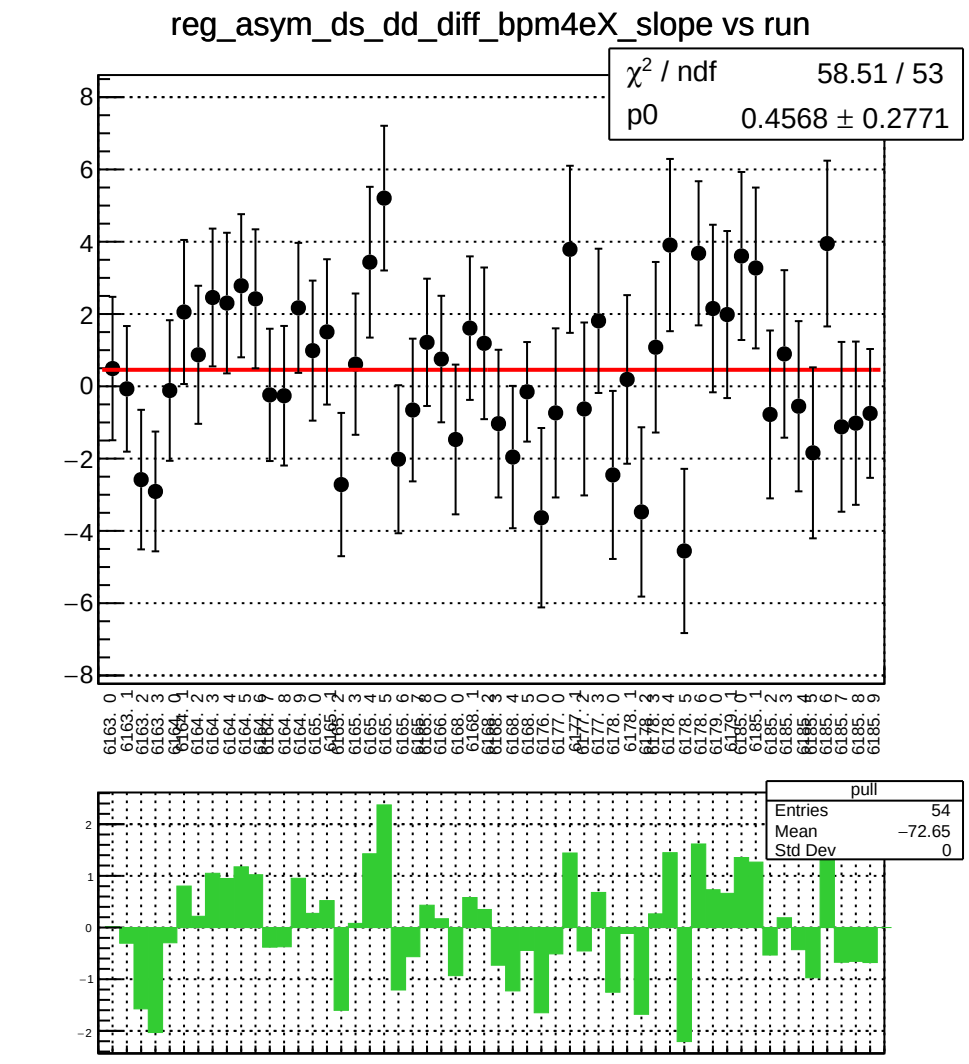

reg_asym_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 49.13 / 53
p0 0.05923 ± 0.02286
pull
Entries 54
Mean 104.5
Std Dev 0

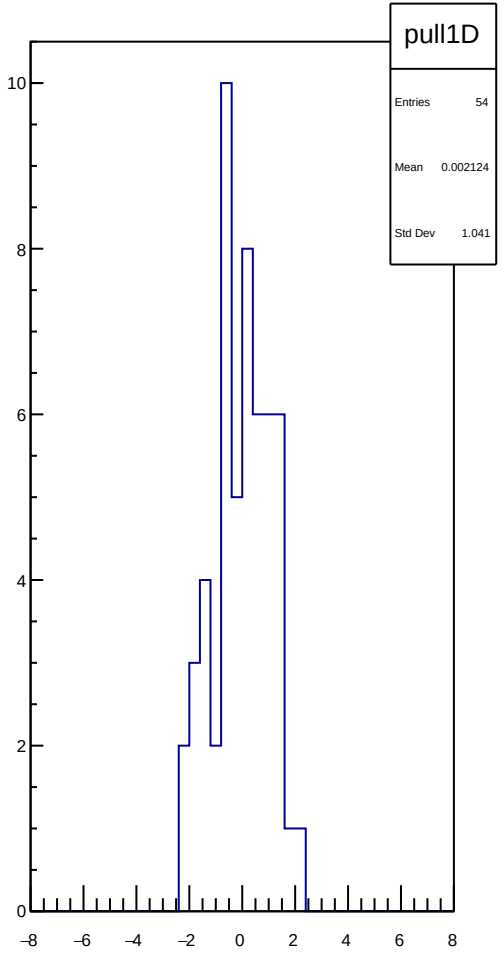

pull1D
Entries 54
Mean −0.007587
Std Dev 0.9538

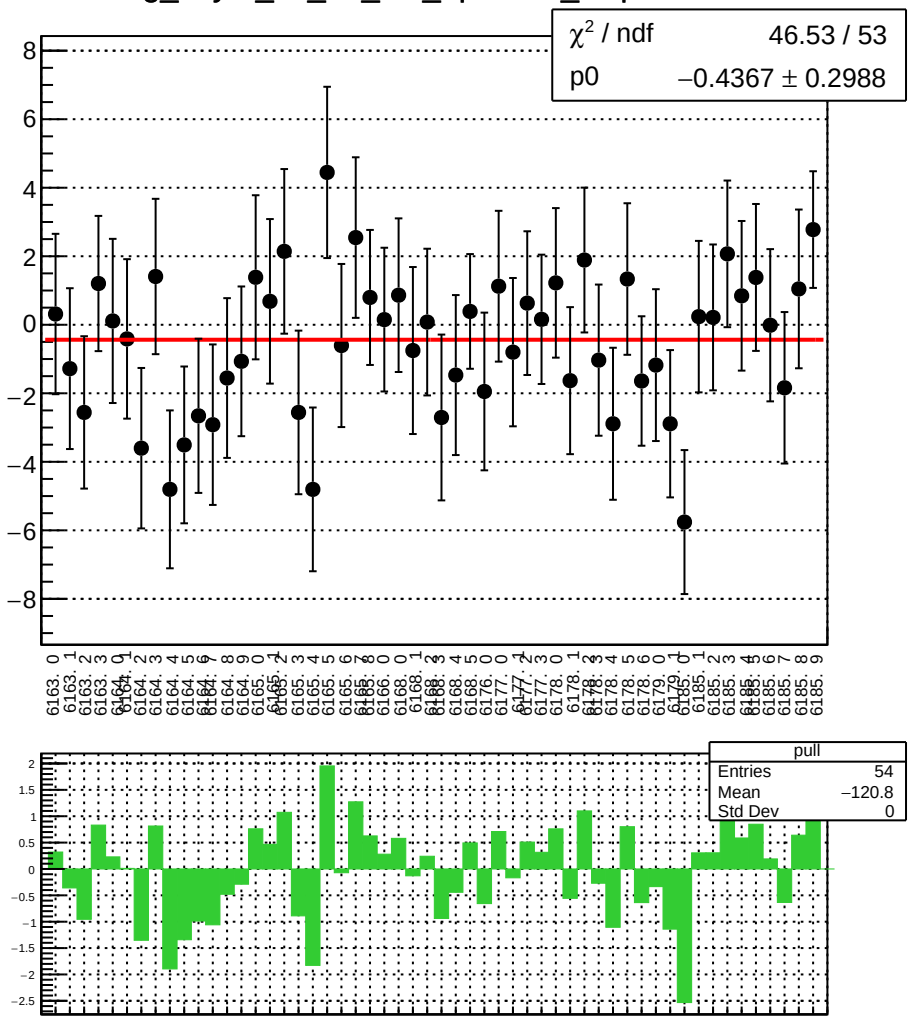

reg_asym_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 65.13 / 53
p0 −0.3498 ± 0.2342
pull
Entries 54
Mean 36.27
Std Dev 0
pull1D
Entries 54
Mean −0.004497
Std Dev 1.098

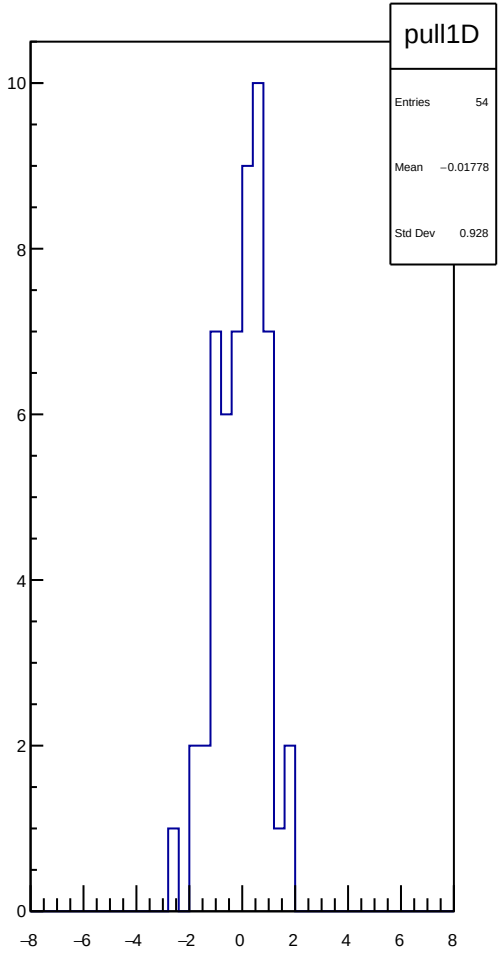

reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 49.09 / 53
p0 0.4822 ± 0.2695
pull
Entries 54
Mean −148.4
Std Dev 0

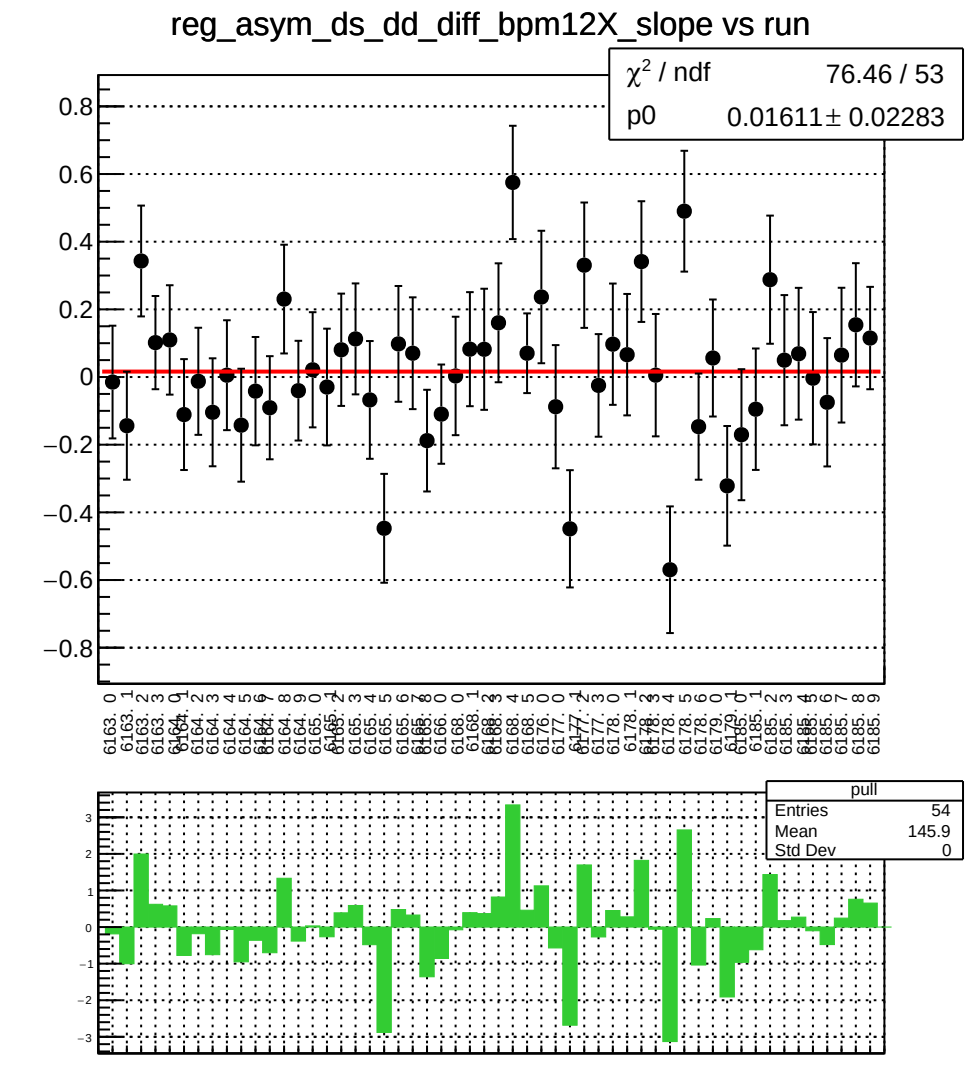

pull1D
Entries 54
Mean 0.0165
Std Dev 0.9533

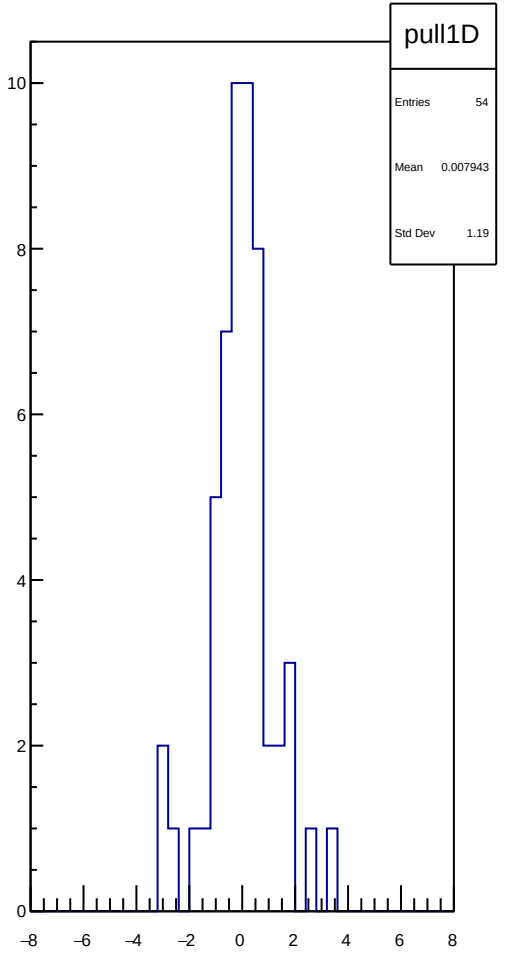

reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 58.51 / 53
p0 0.4568 ± 0.2771
pull
Entries 54
Mean −72.65
Std Dev 0

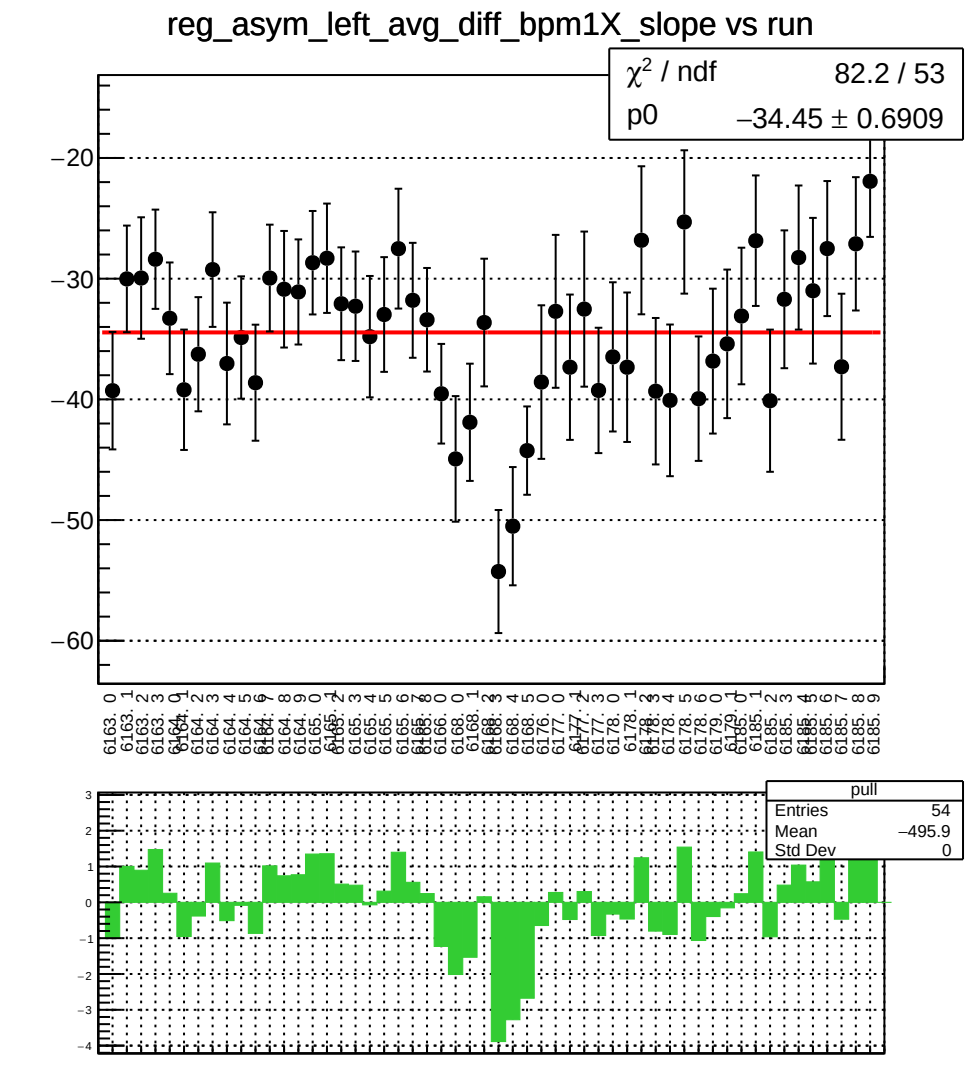

pull1D
Entries 54
Mean 0.002124
Std Dev 1.041

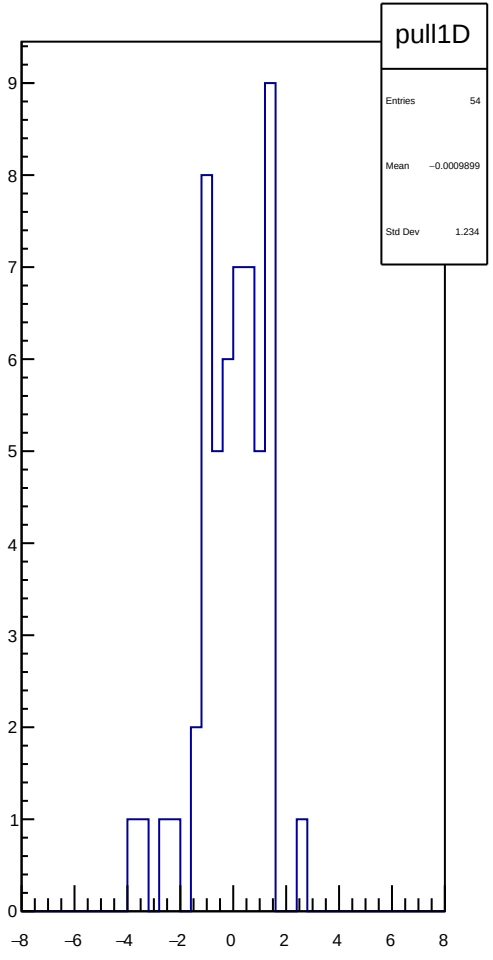

reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 46.53 / 53
p0 −0.4367 ± 0.2988
pull
Entries 54
Mean −120.8
Std Dev 0

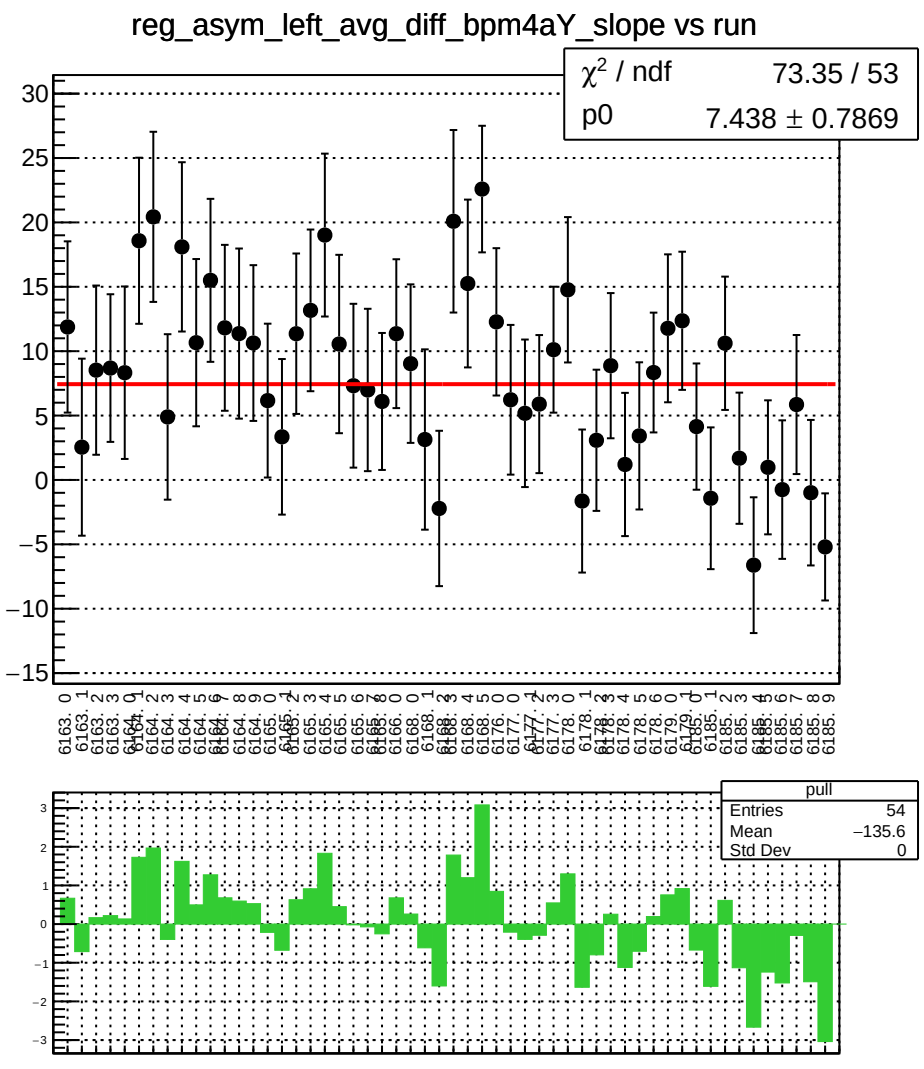

pull1D
Entries 54
Mean −0.01778
Std Dev 0.928

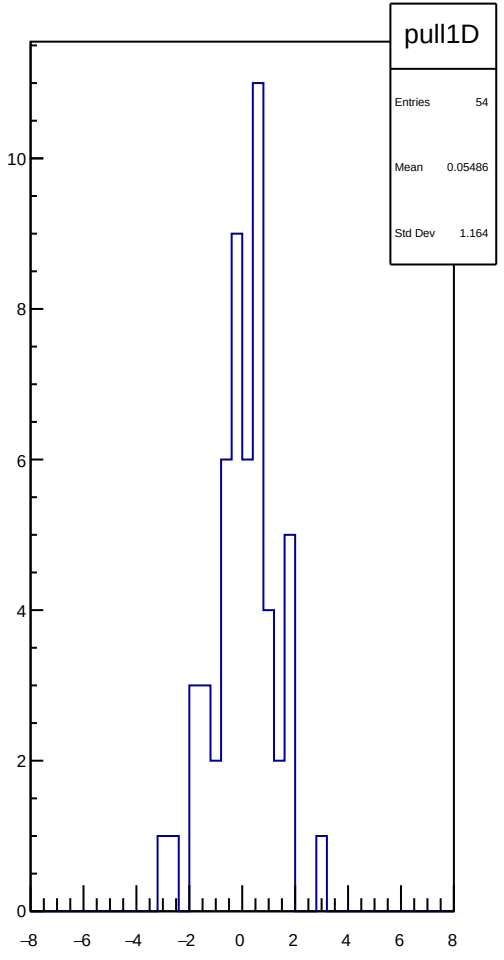

reg_asym_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 76.46 / 53
p0 0.01611 ± 0.02283
pull
Entries 54
Mean 145.9
Std Dev 0

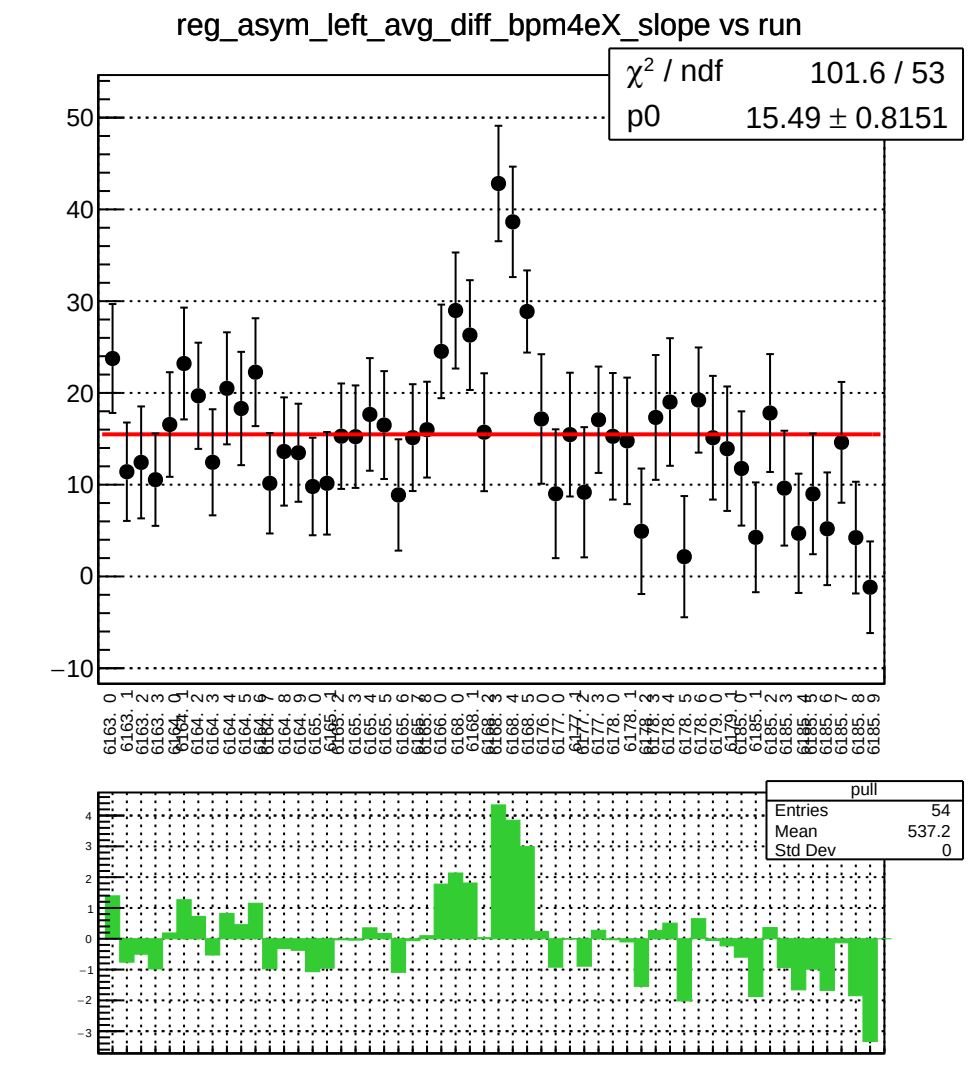

pull1D
Entries 54
Mean 0.007943
Std Dev 1.19

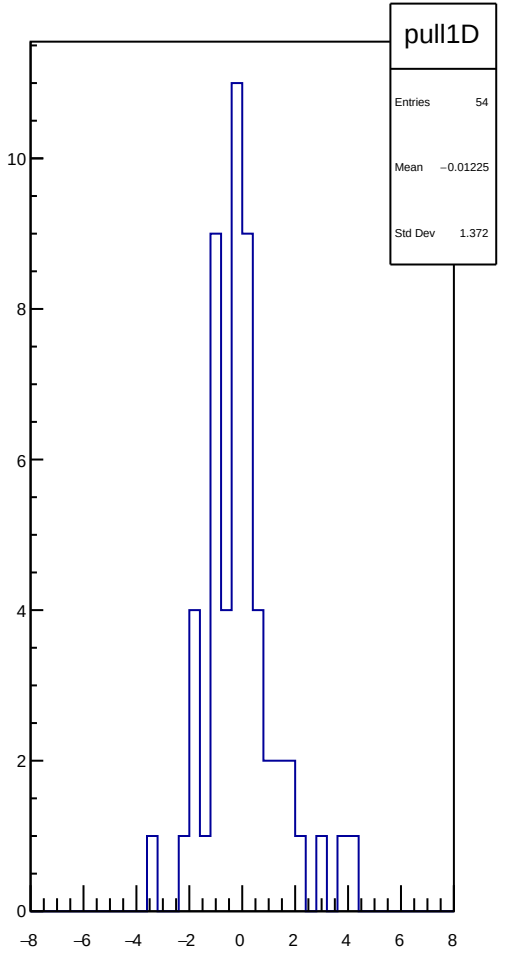

reg_asym_left_avg_diff_bpm1X_slope vs run
χ² / ndf 82.2 / 53
p0 −34.45 ± 0.6909
pull
Entries 54
Mean −495.9
Std Dev 0

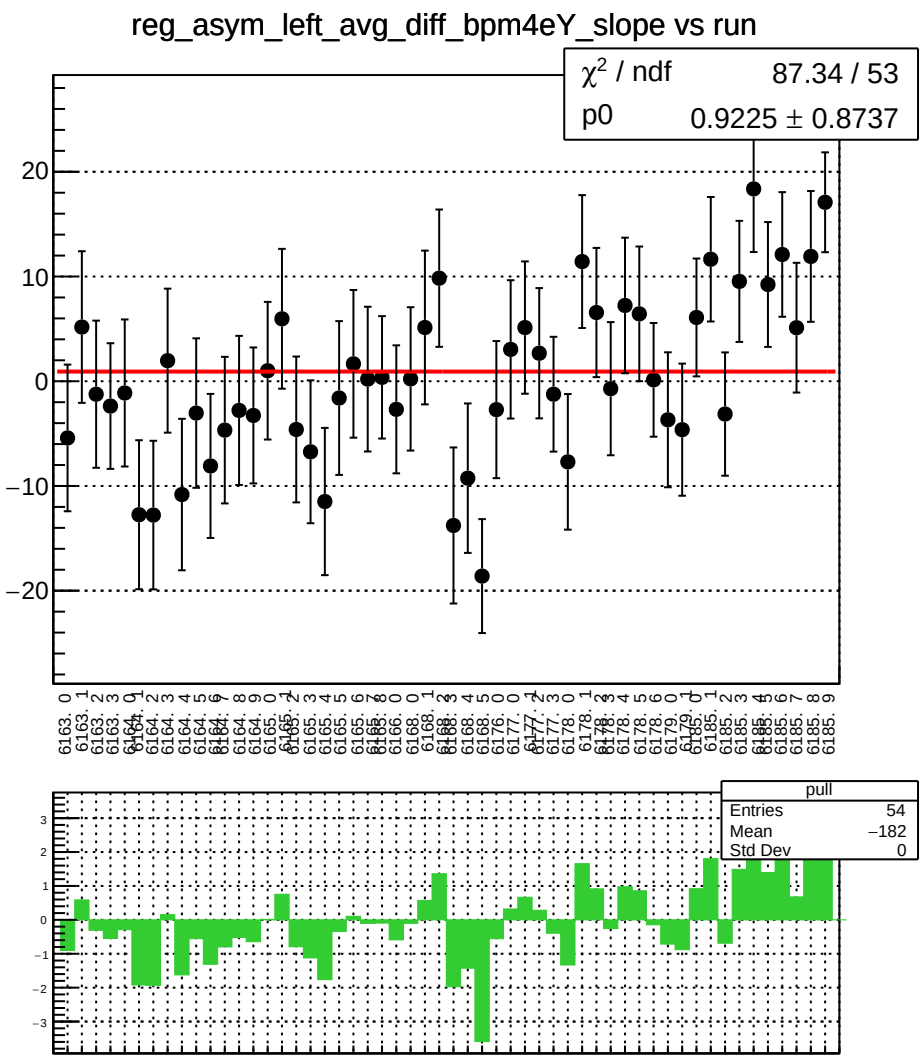

pull1D
Entries 54
Mean −0.0009899
Std Dev 1.234

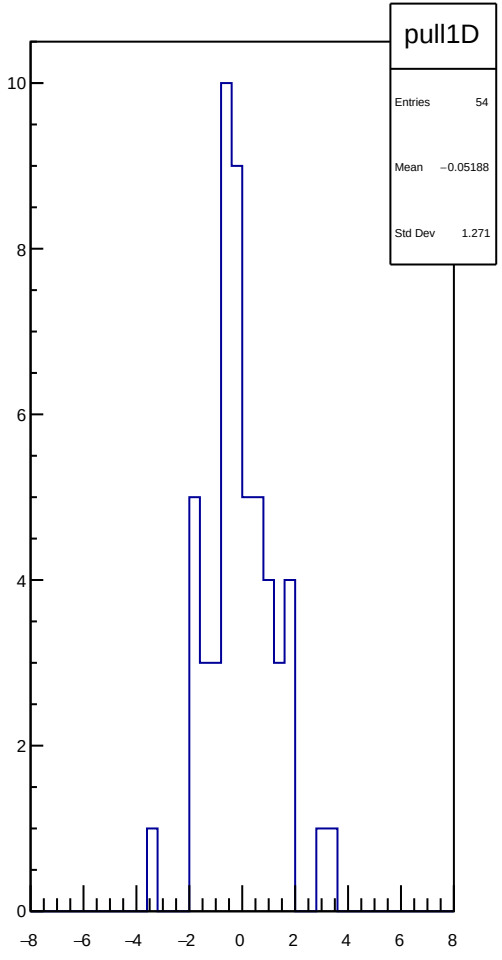

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ² / ndf 73.35 / 53
p0 7.438 ± 0.7869
pull
Entries 54
Mean −135.6
Std Dev 0

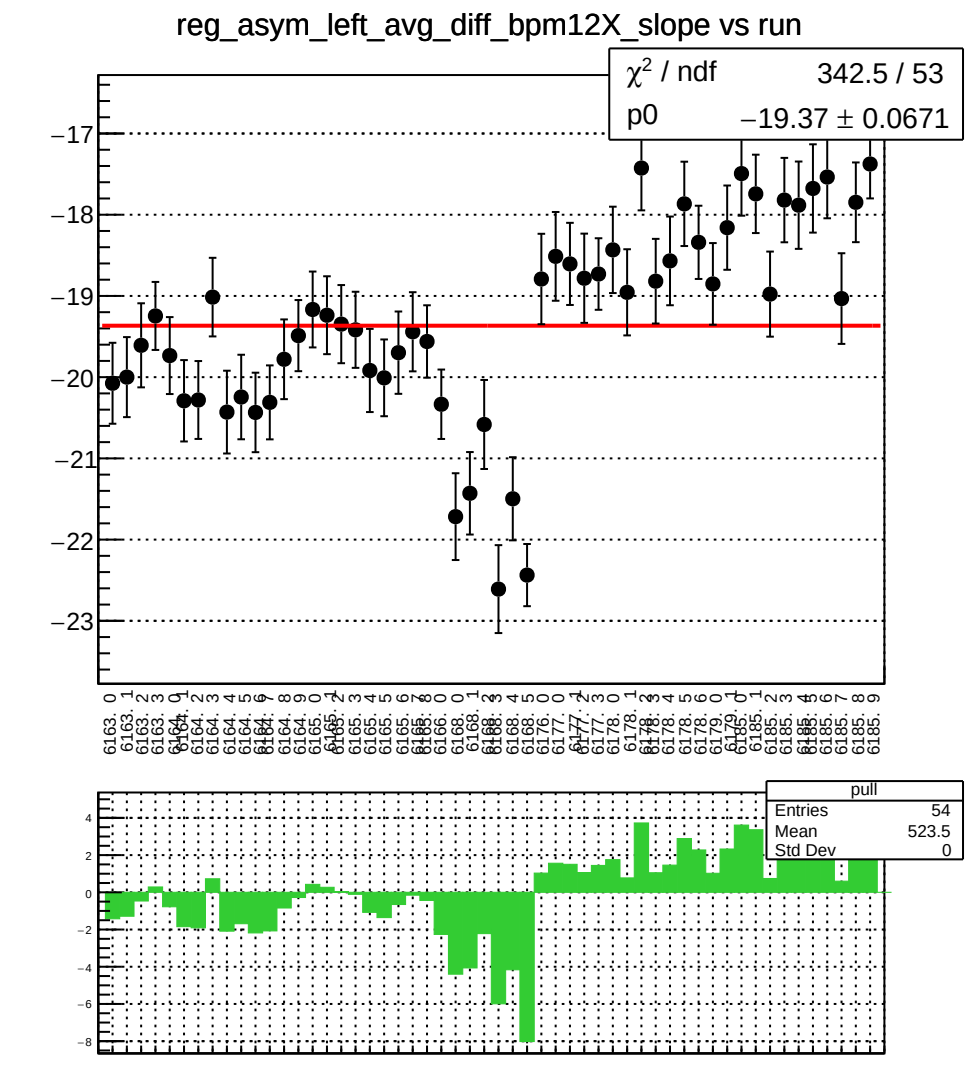

pull1D
Entries 54
Mean 0.05486
Std Dev 1.164

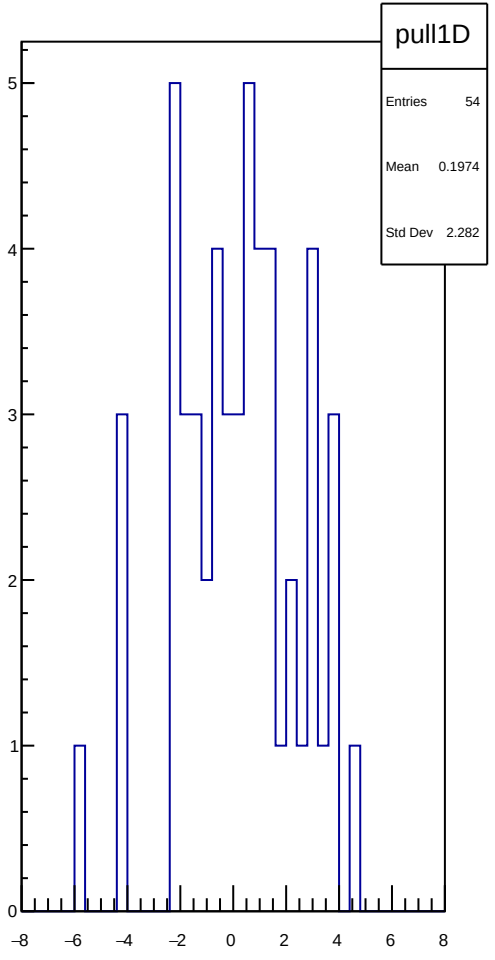

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ² / ndf 101.6 / 53
p0 15.49 ± 0.8151
pull
Entries 54
Mean 537.2
Std Dev 0

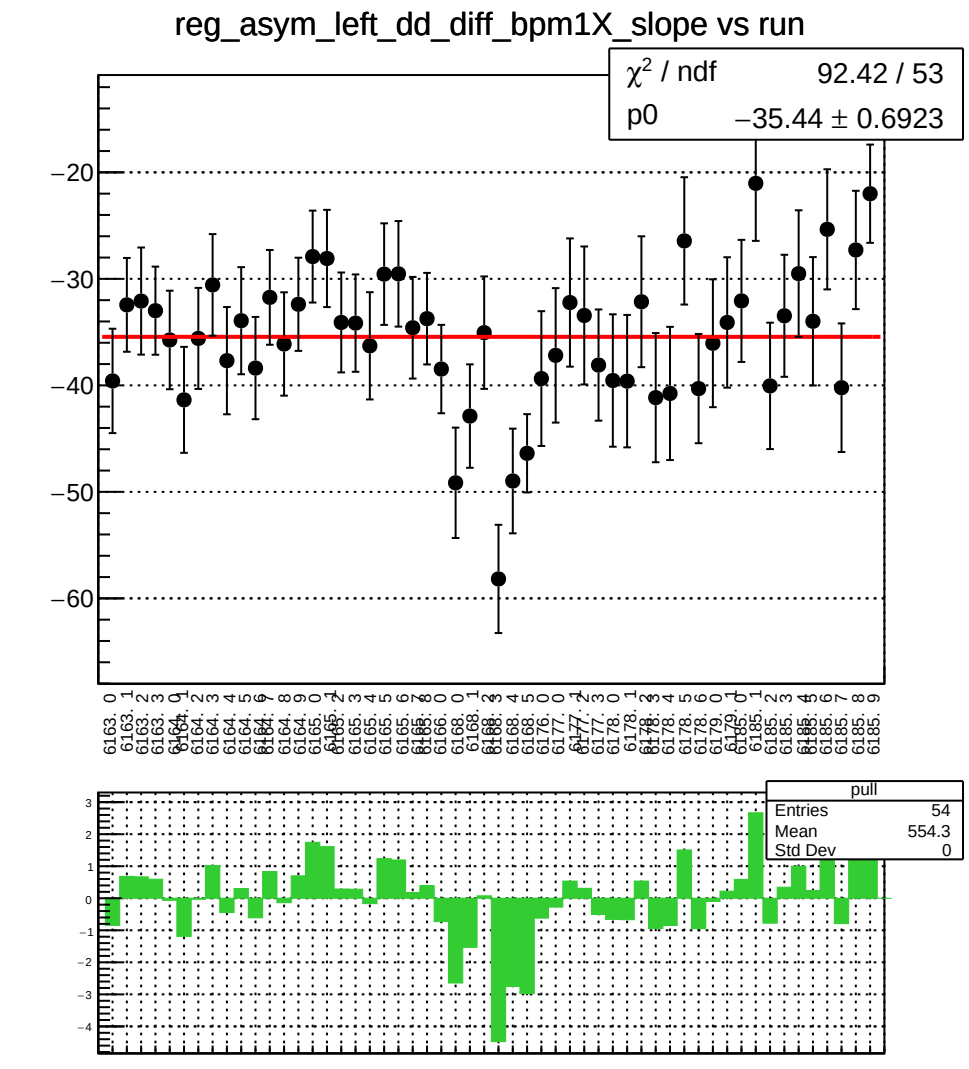

pull1D
Entries 54
Mean −0.01225
Std Dev 1.372

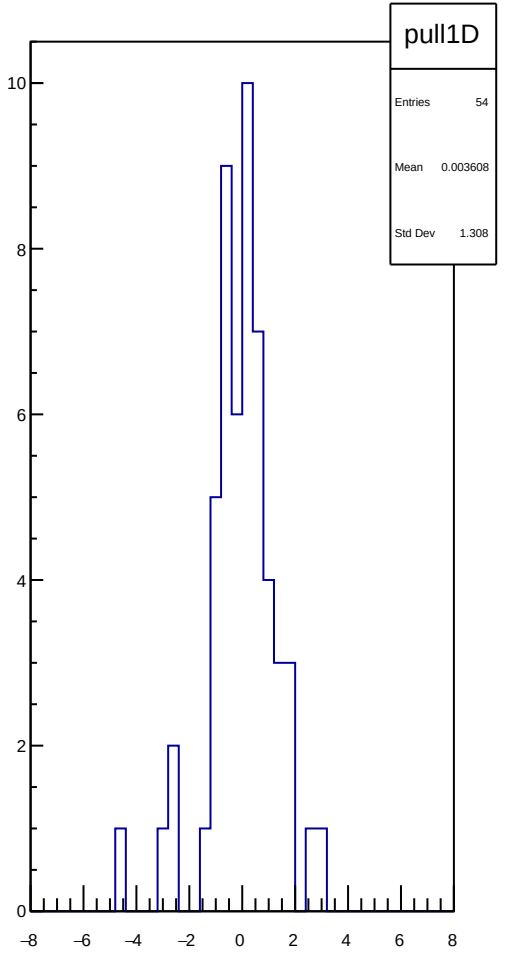

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ² / ndf 87.34 / 53
p0 0.9225 ± 0.8737
pull
Entries 54
Mean −182
Std Dev 0

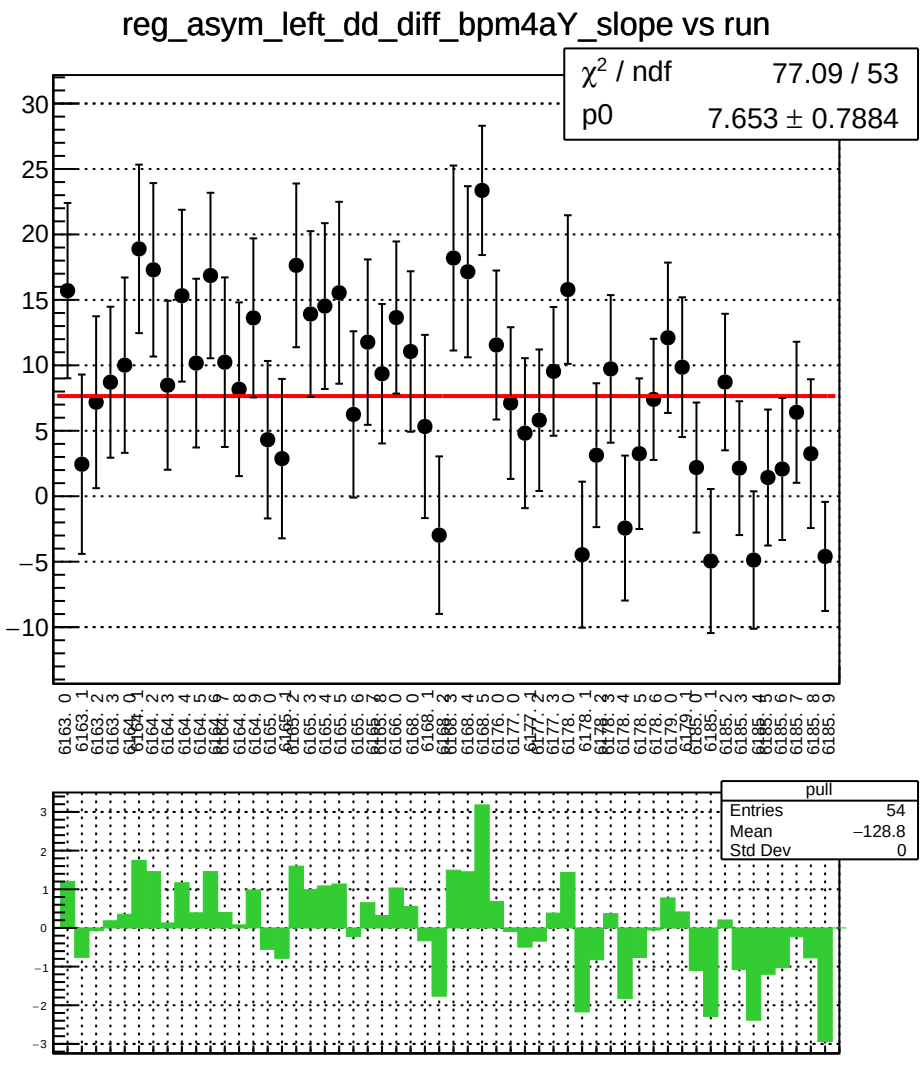

pull1D
Entries 54
Mean −0.05188
Std Dev 1.271

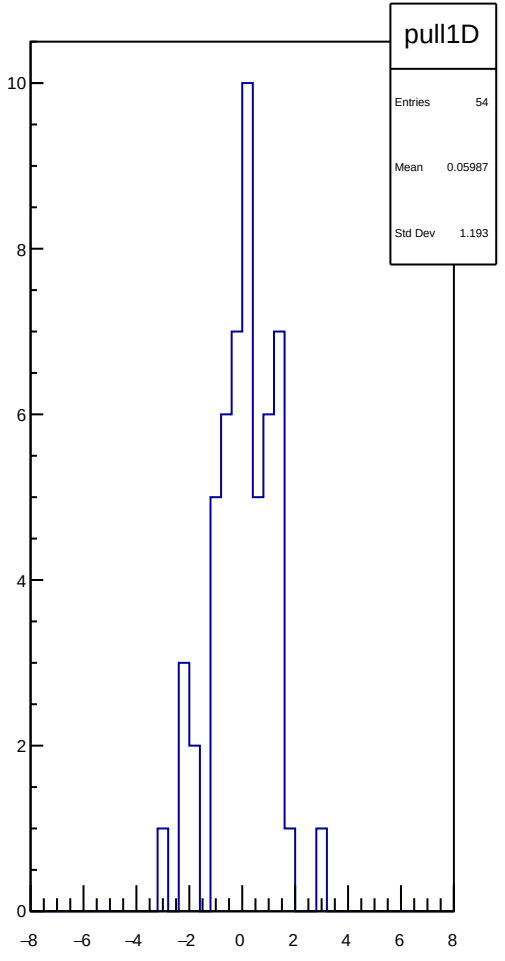

reg_asym_left_avg_diff_bpm12X_slope vs run
χ² / ndf 342.5 / 53
p0 −19.37 ± 0.0671
pull
Entries 54
Mean 523.5
Std Dev 0

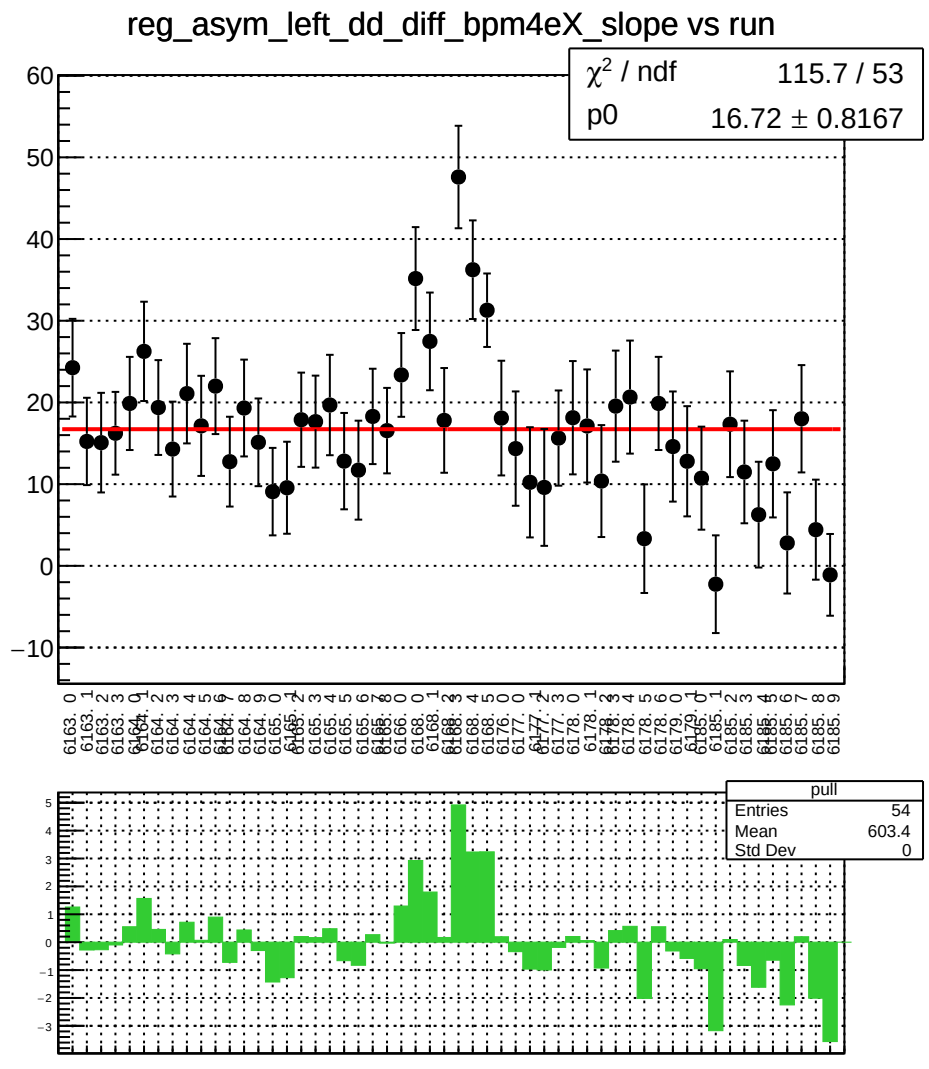

pull1D
Entries 54
Mean 0.1974
Std Dev 2.282

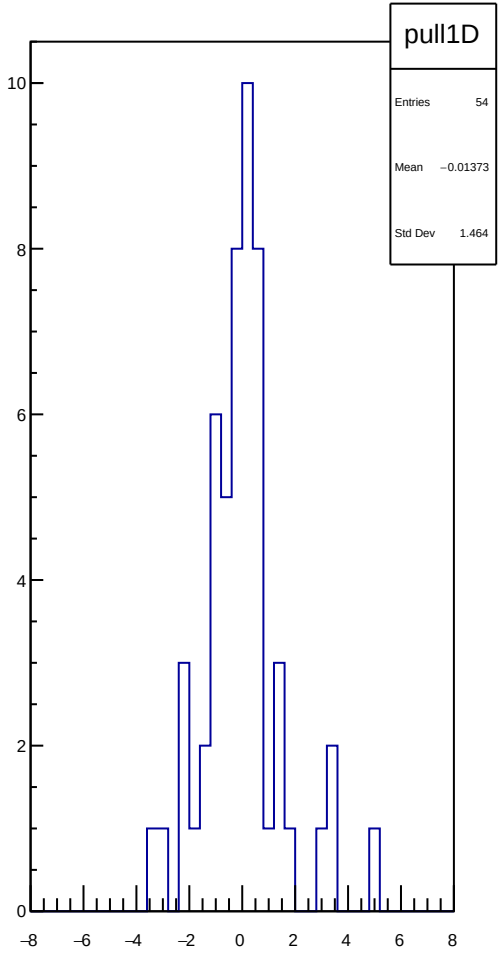

reg_asym_left_dd_diff_bpm1X_slope vs run
χ² / ndf 92.42 / 53
p0 −35.44 ± 0.6923
pull
Entries 54
Mean 554.3
Std Dev 0

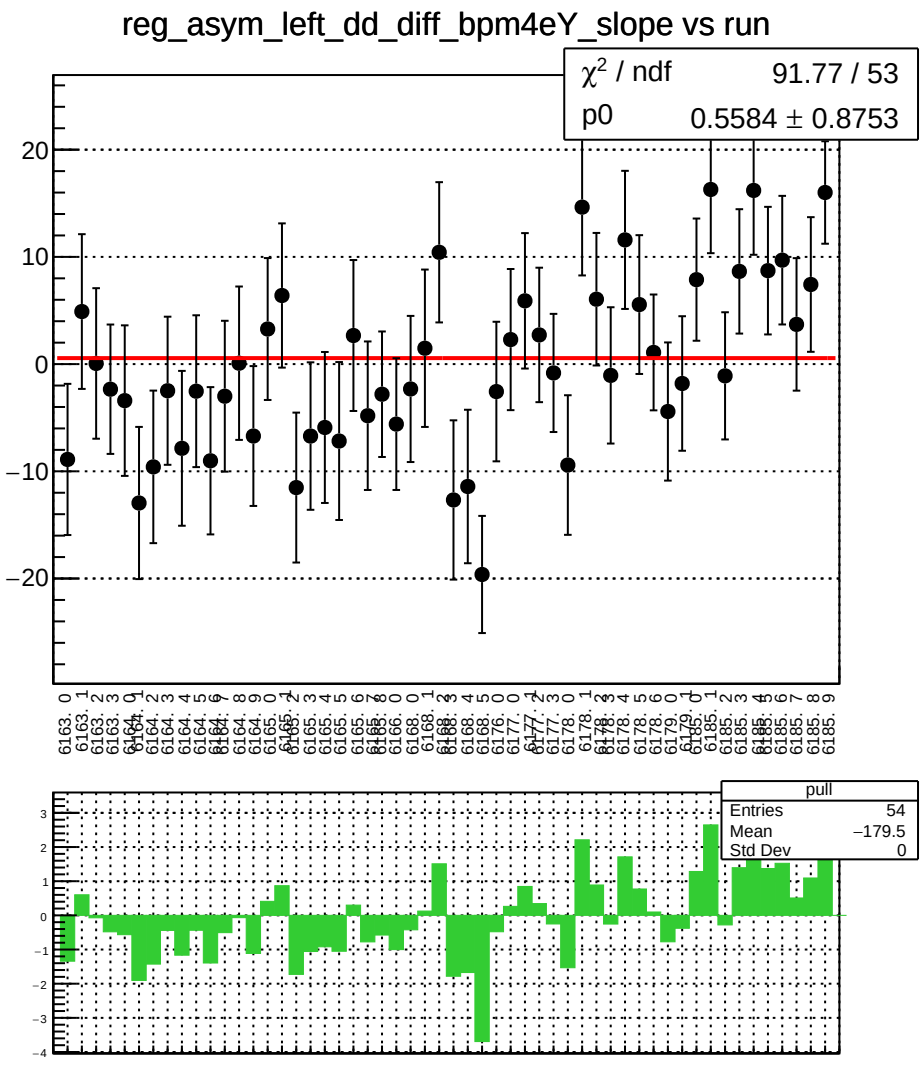

pull1D
Entries 54
Mean 0.003608
Std Dev 1.308

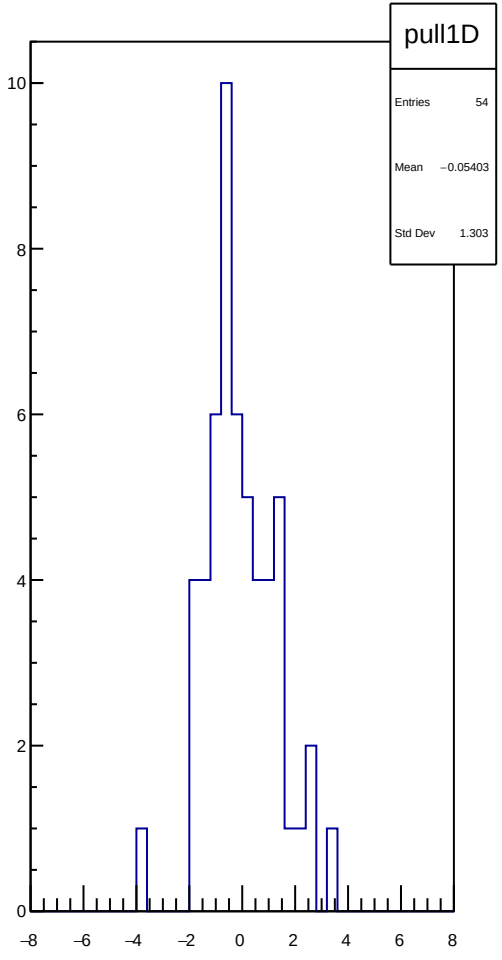

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ² / ndf 77.09 / 53
p0 7.653 ± 0.7884
pull
Entries 54
Mean −128.8
Std Dev 0

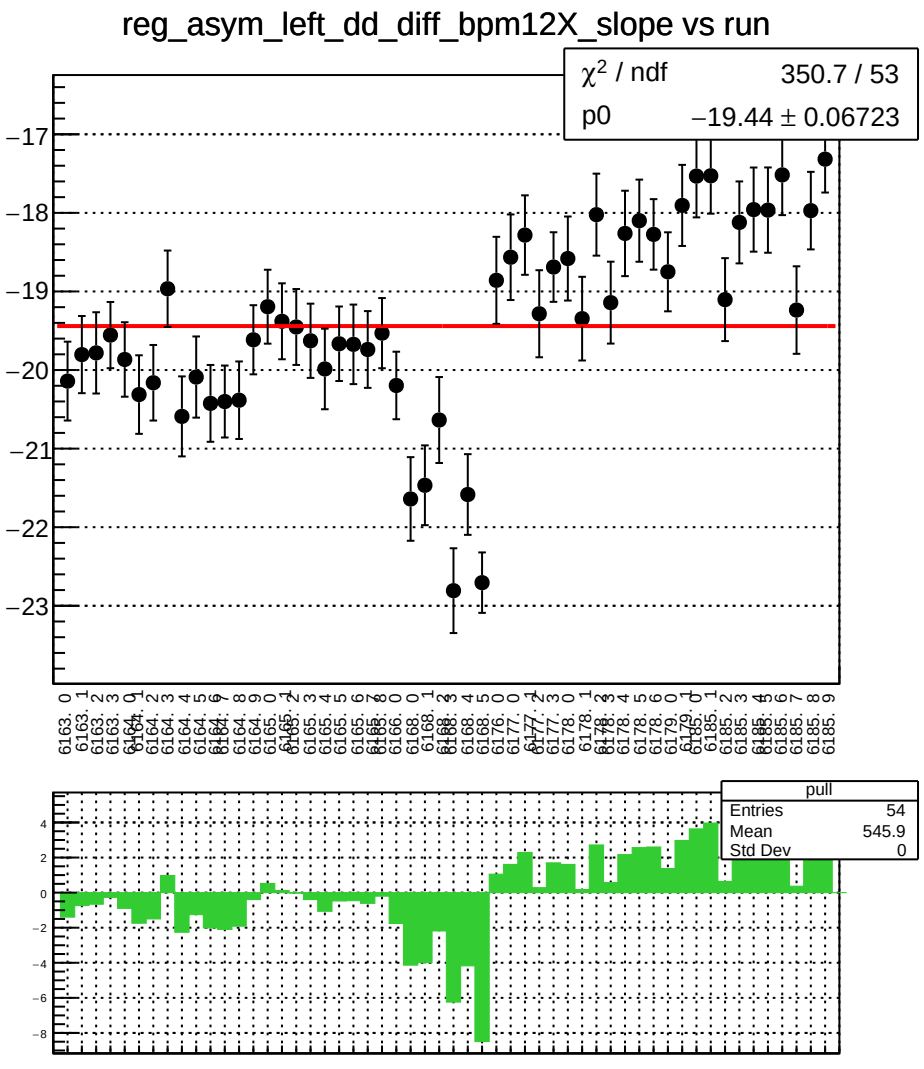

pull1D
Entries 54
Mean 0.05987
Std Dev 1.193

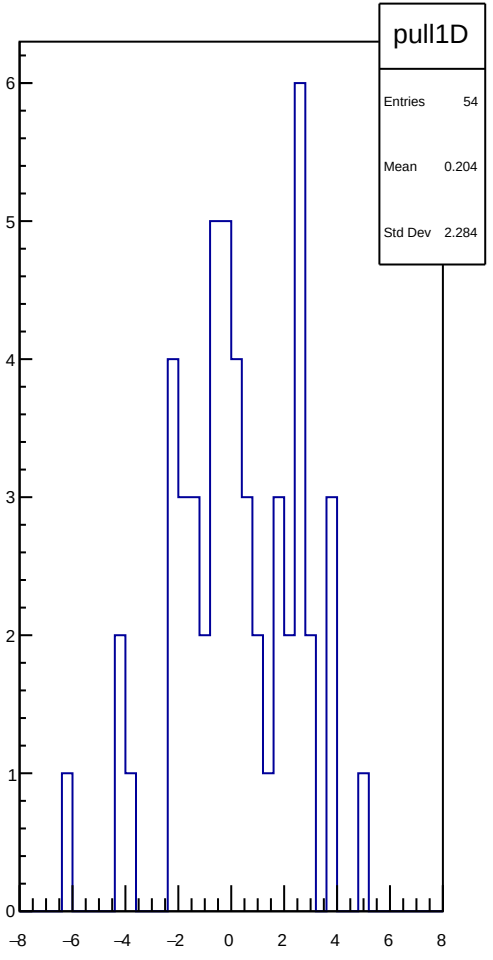

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ² / ndf 115.7 / 53
p0 16.72 ± 0.8167
pull
Entries 54
Mean 603.4
Std Dev 0

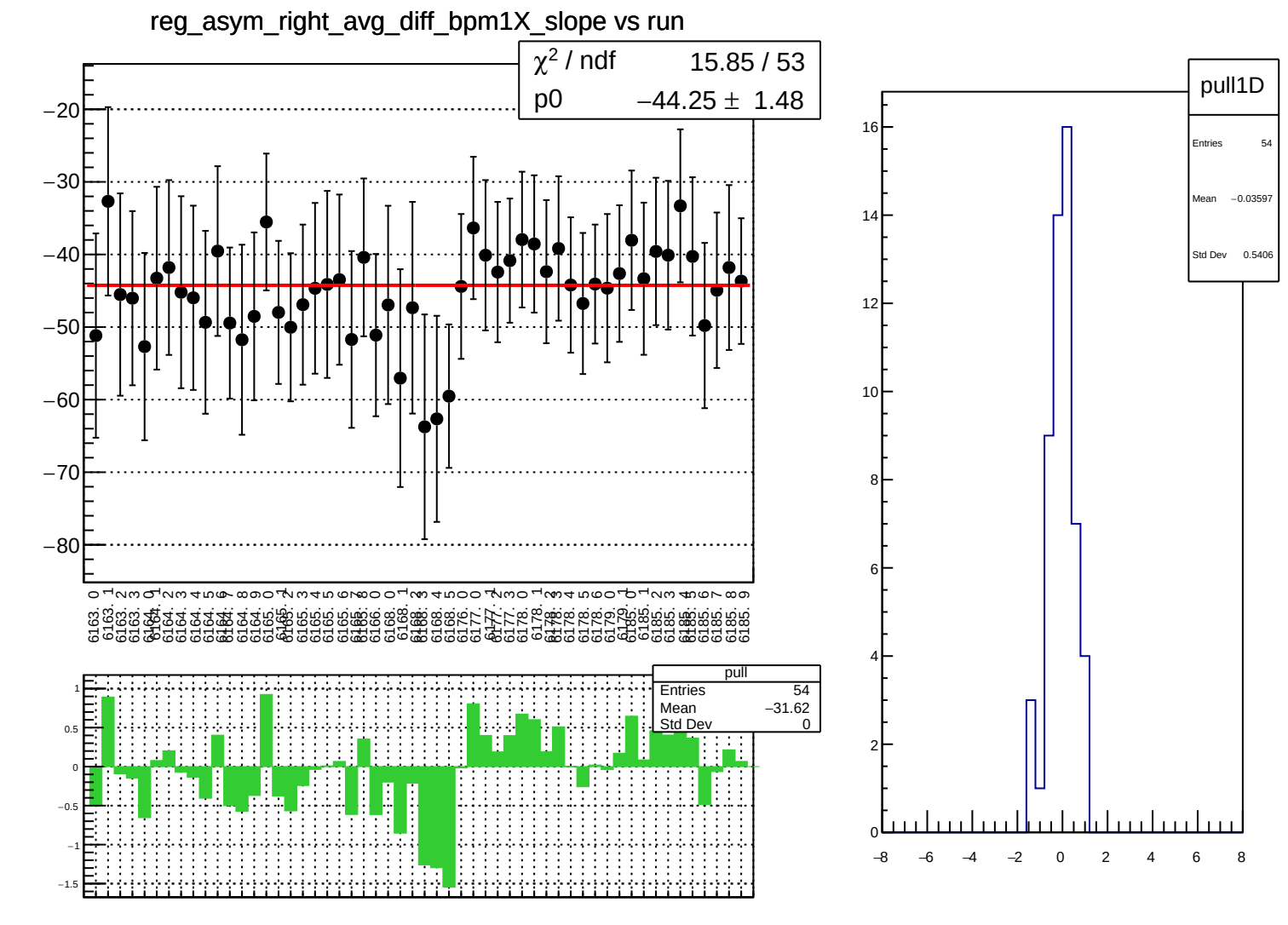

pull1D
Entries 54
Mean −0.01373
Std Dev 1.464

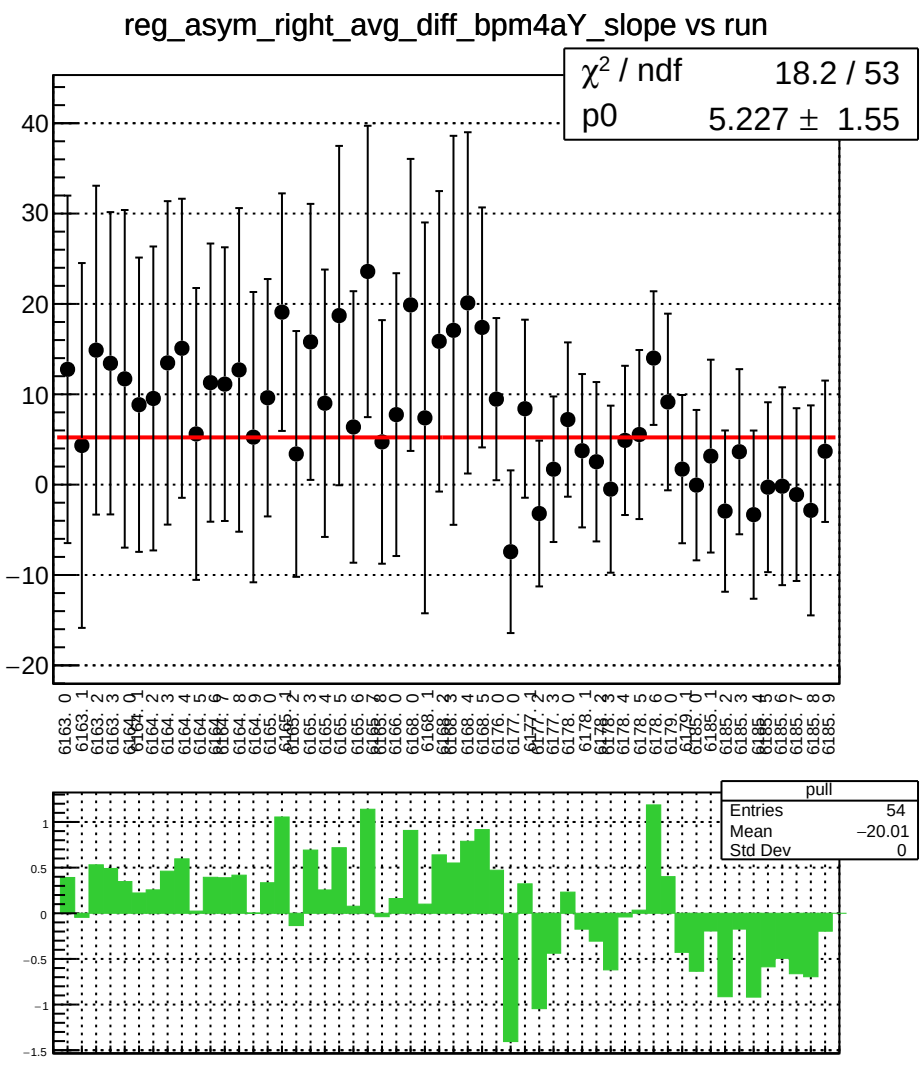

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ² / ndf 91.77 / 53
p0 0.5584 ± 0.8753
pull
Entries 54
Mean −179.5
Std Dev 0

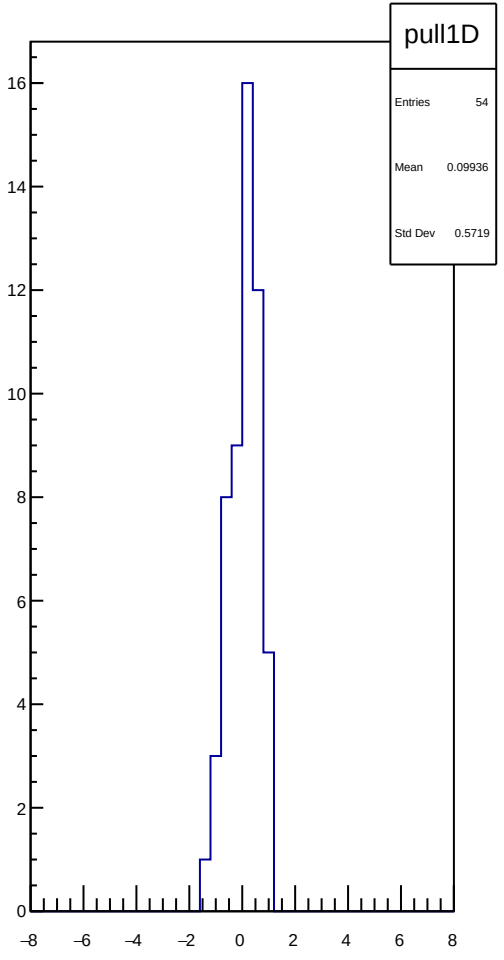

pull1D
Entries 54
Mean −0.05403
Std Dev 1.303

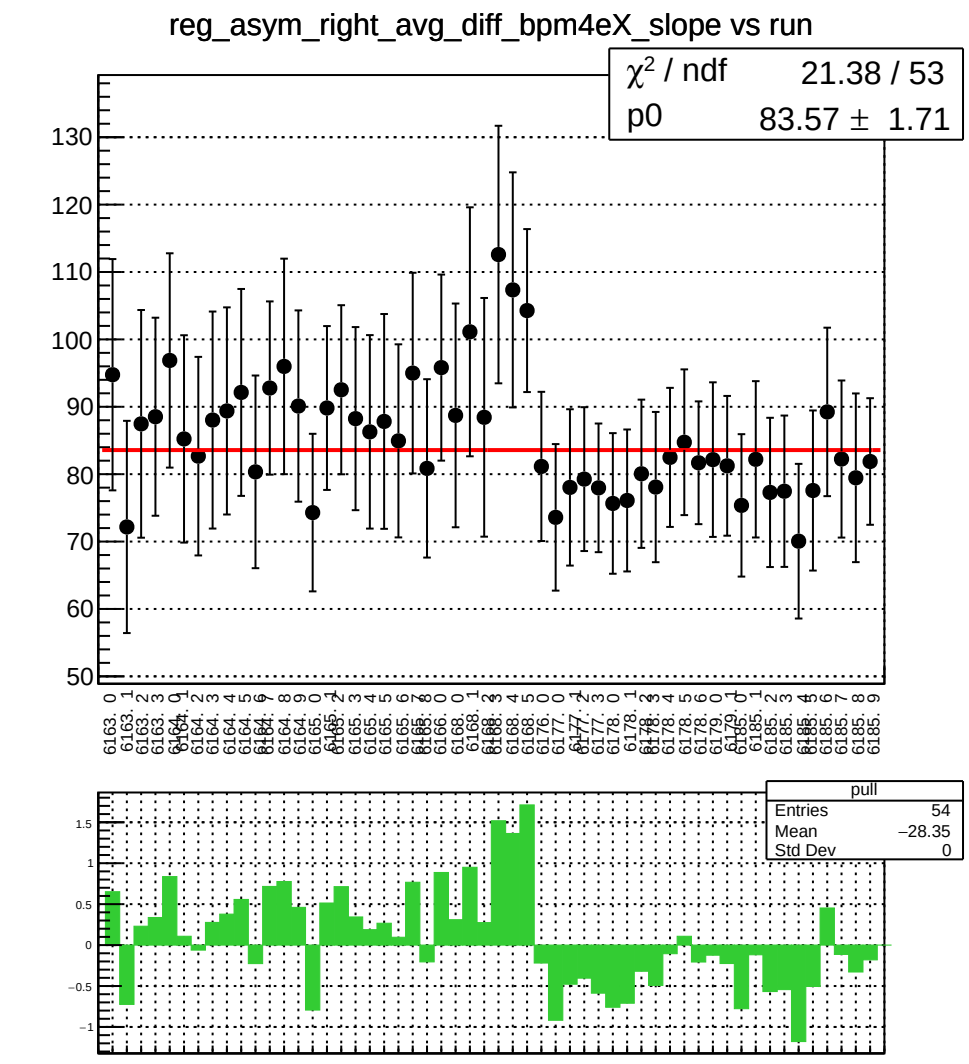

reg_asym_left_dd_diff_bpm12X_slope vs run
χ² / ndf 350.7 / 53
p0 −19.44 ± 0.06723
pull
Entries 54
Mean 545.9
Std Dev 0

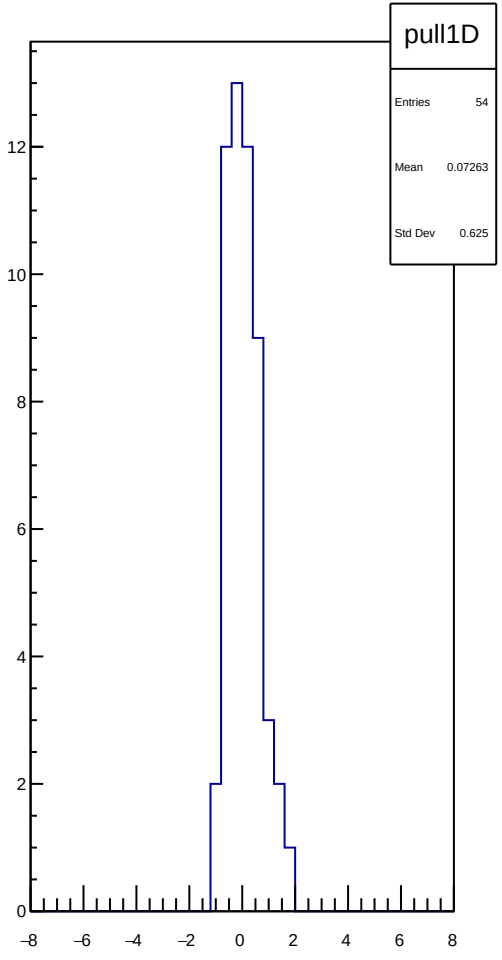

pull1D
Entries 54
Mean 0.204
Std Dev 2.284

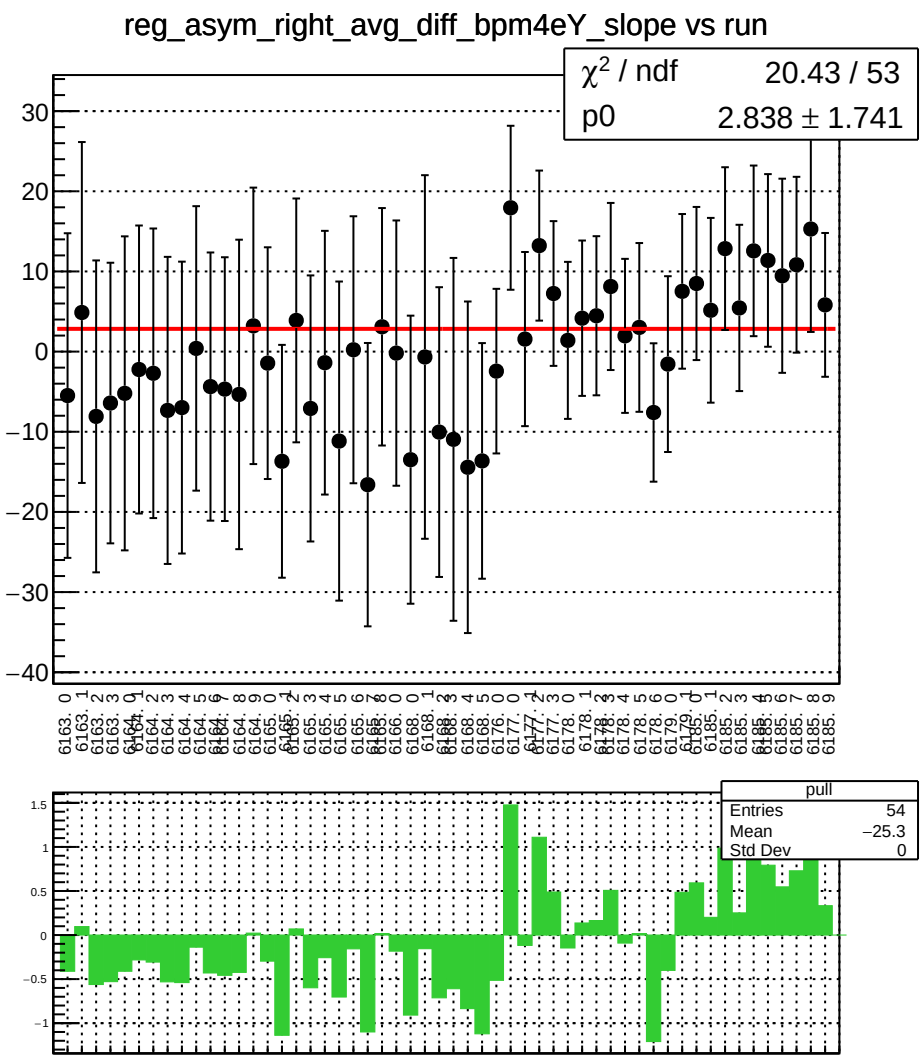

reg_asym_right_avg_diff_bpm1X_slope vs run
χ² / ndf 15.85 / 53
p0 −44.25 ± 1.48
pull
Entries 54
Mean −31.62
Std Dev 0
pull1D
Entries 54
Mean −0.03597
Std Dev 0.5406

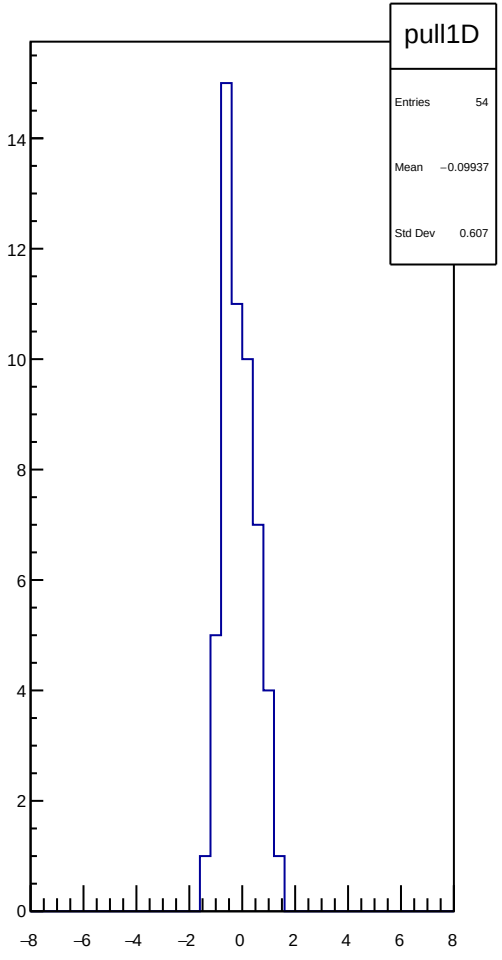

reg_asym_right_avg_diff_bpm4aY_slope vs run
χ² / ndf 18.2 / 53
p0 5.227 ± 1.55
pull
Entries 54
Mean −20.01
Std Dev 0

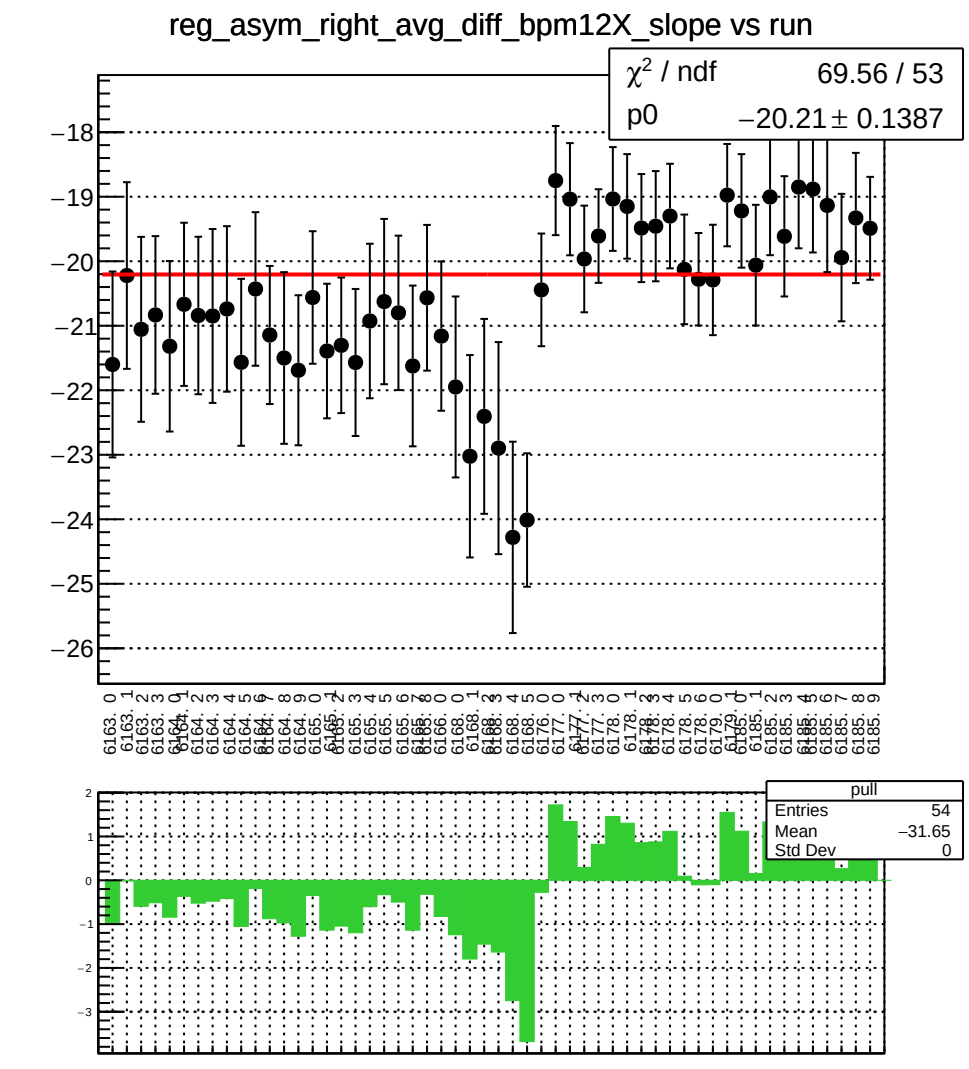

pull1D
Entries 54
Mean 0.09936
Std Dev 0.5719

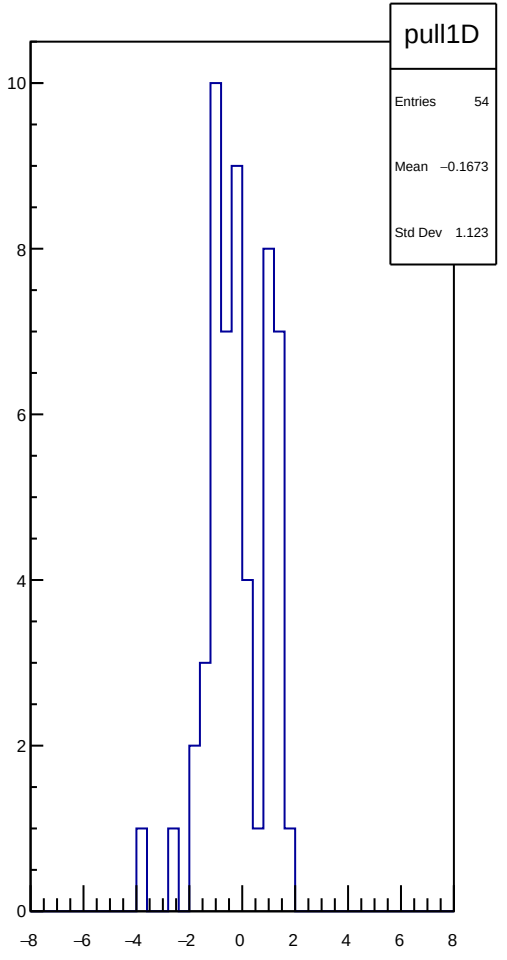

reg_asym_right_avg_diff_bpm4eX_slope vs run
χ² / ndf 21.38 / 53
p0 83.57 ± 1.71
pull
Entries 54
Mean −28.35
Std Dev 0

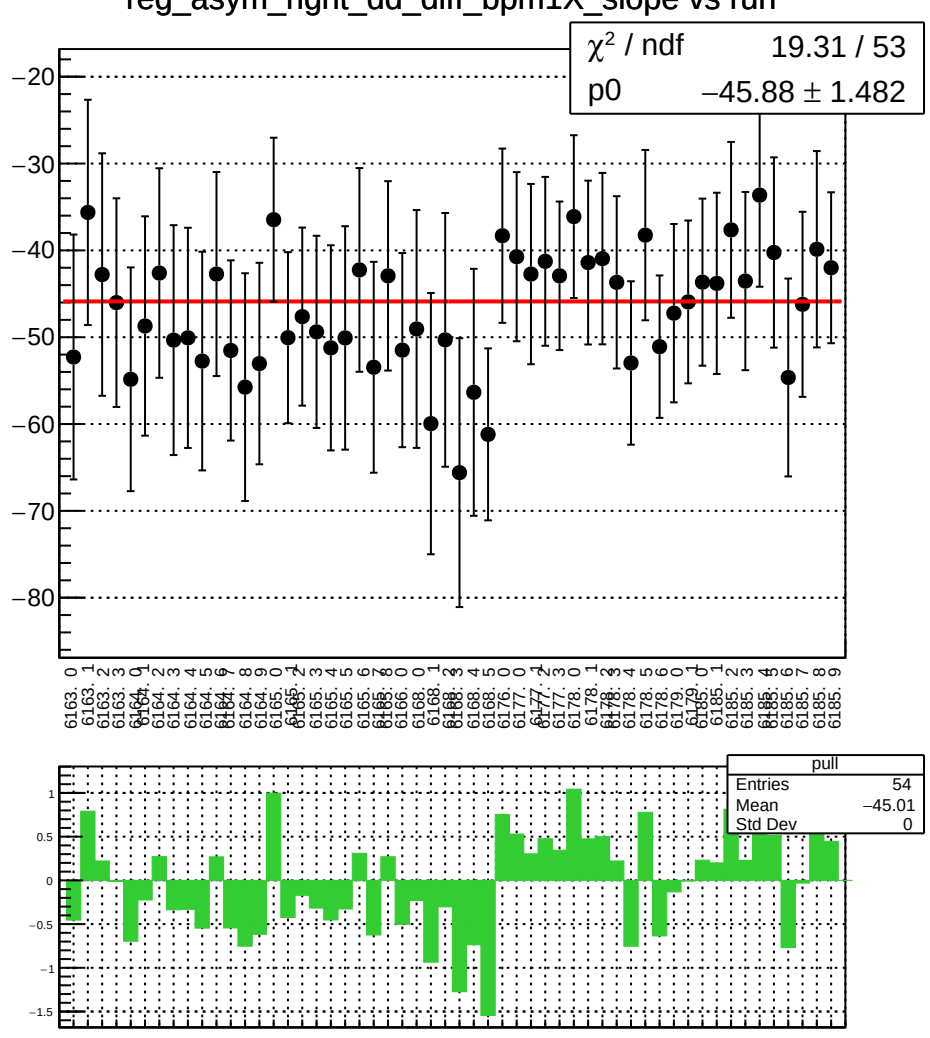

pull1D
Entries 54
Mean 0.07263
Std Dev 0.625

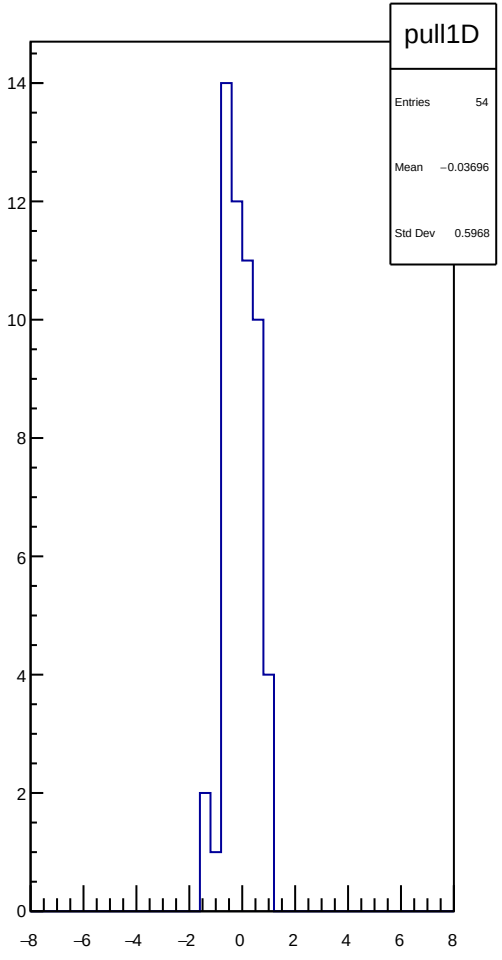

reg_asym_right_avg_diff_bpm4eY_slope vs run
χ² / ndf 20.43 / 53
p0 2.838 ± 1.741
pull
Entries 54
Mean −25.3
Std Dev 0

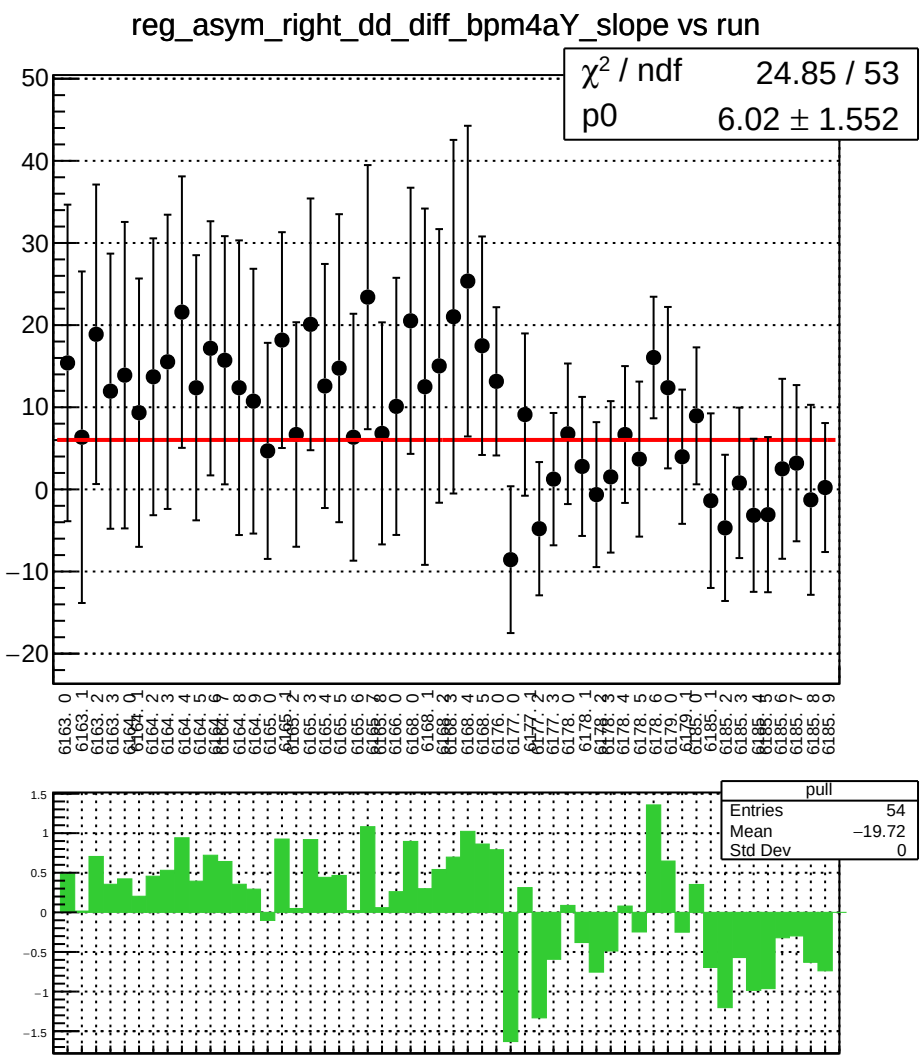

pull1D
Entries 54
Mean −0.09937
Std Dev 0.607

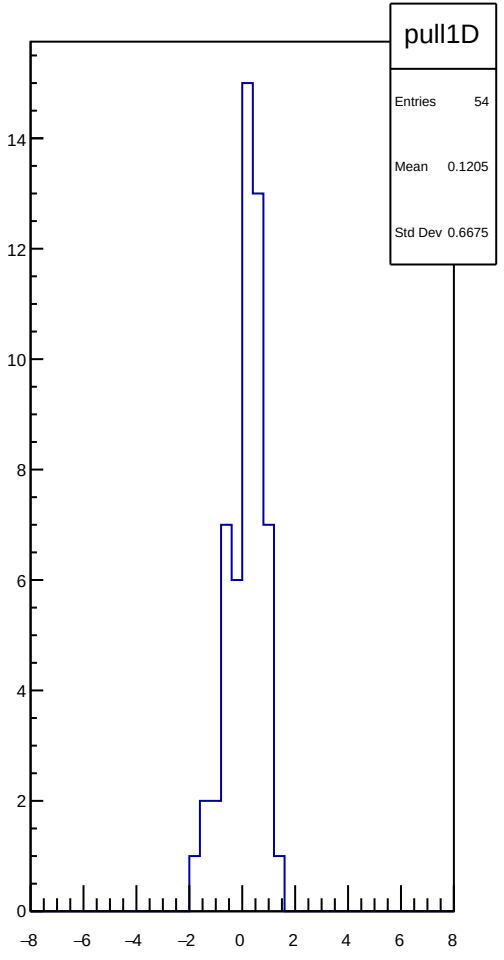

reg_asym_right_avg_diff_bpm12X_slope vs run
χ² / ndf 69.56 / 53
p0 −20.21 ± 0.1387
pull
Entries 54
Mean −31.65
Std Dev 0

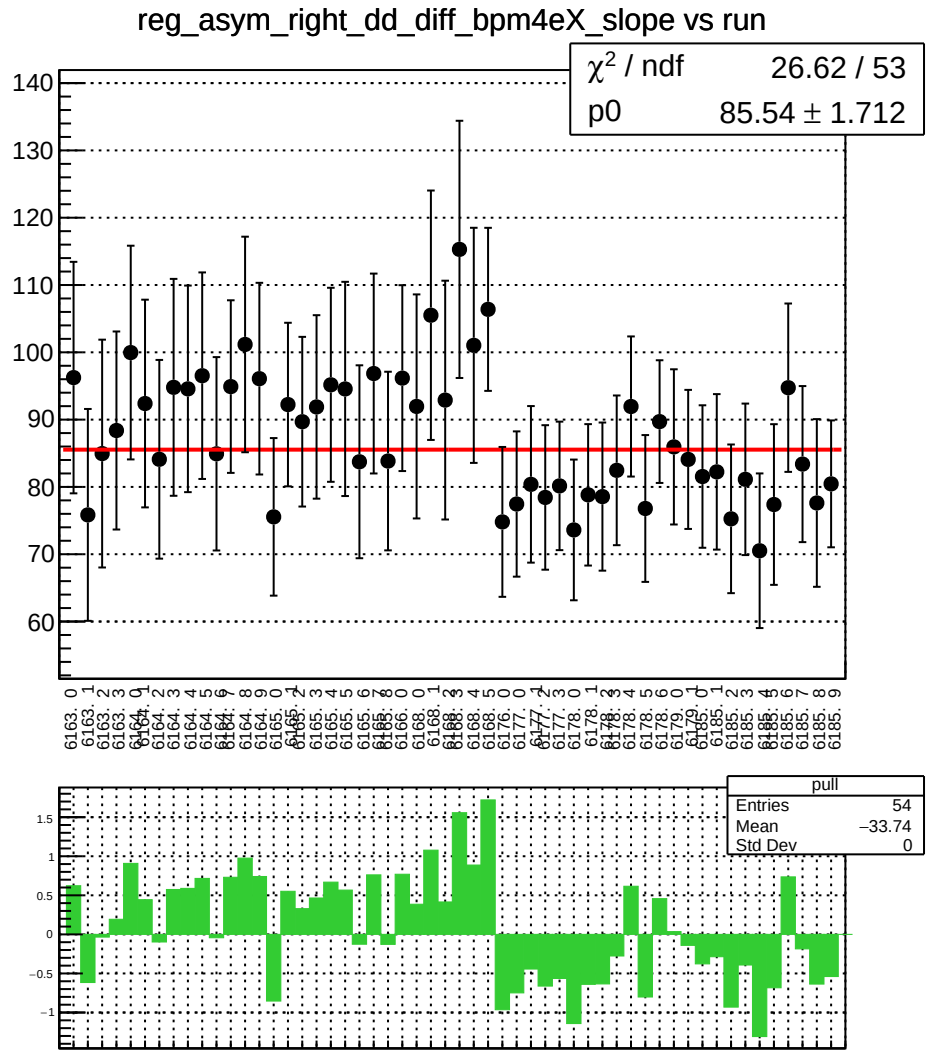

pull1D
Entries 54
Mean −0.1673
Std Dev 1.123

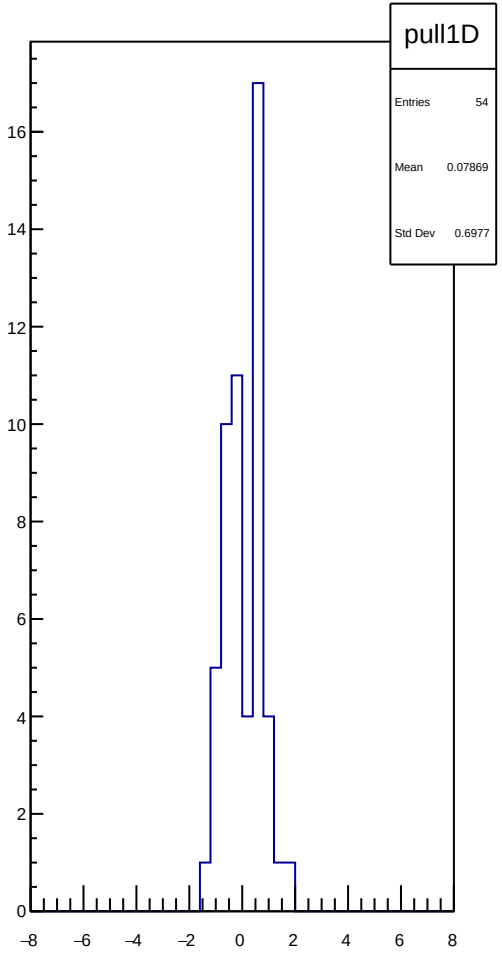

reg_asym_right_dd_diff_bpm1X_slope vs run
χ² / ndf 19.31 / 53
p0 −45.88 ± 1.482
pull
Entries 54
Mean −45.01
Std Dev 0

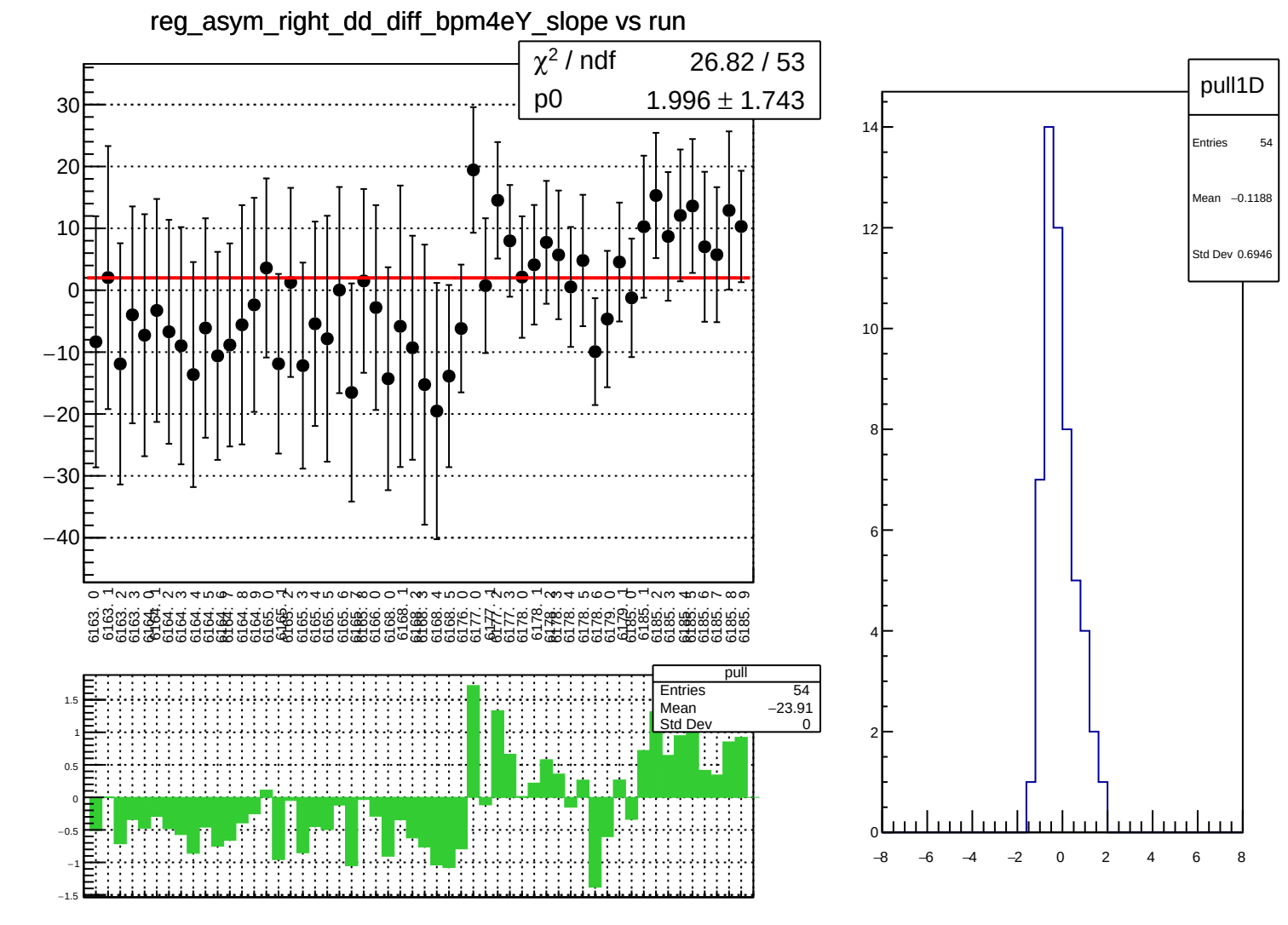

pull1D
Entries 54
Mean −0.03696
Std Dev 0.5968

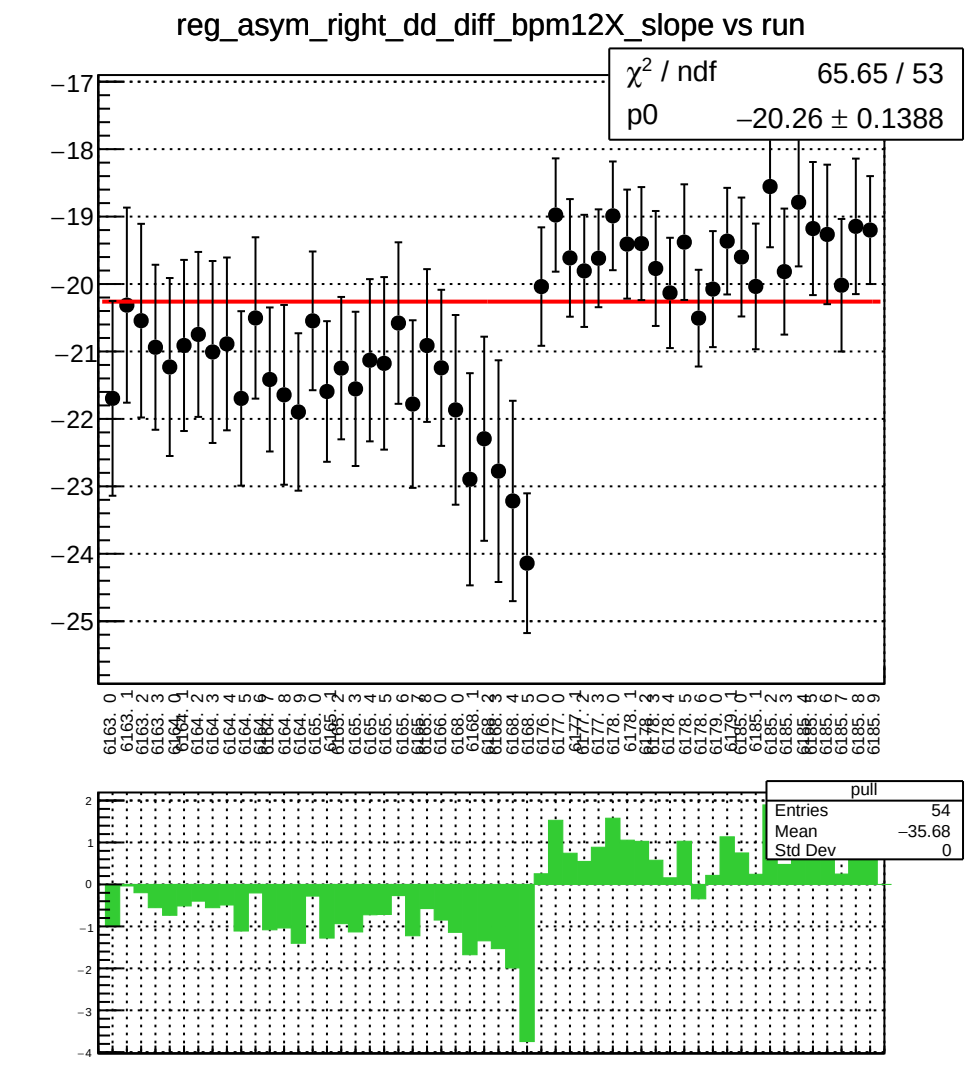

reg_asym_right_dd_diff_bpm4aY_slope vs run
χ² / ndf 24.85 / 53
p0 6.02 ± 1.552
pull
Entries 54
Mean −19.72
Std Dev 0

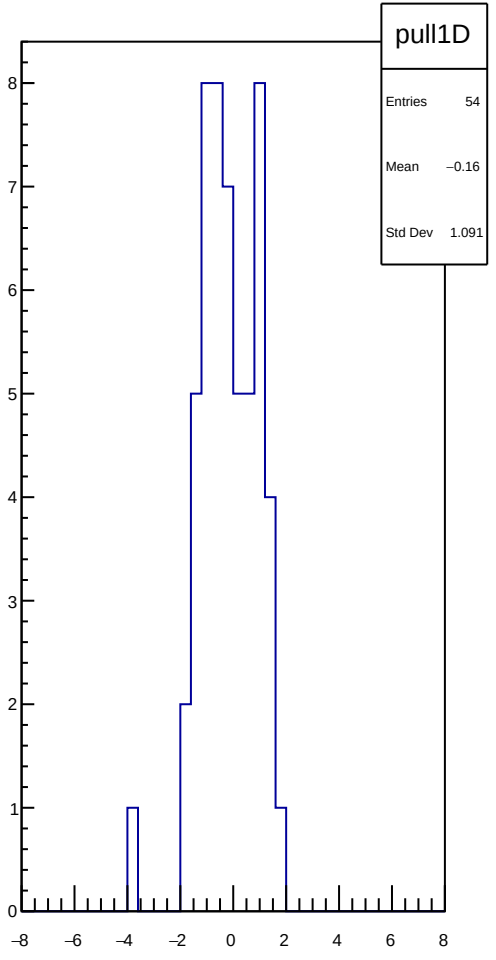

pull1D
Entries 54
Mean 0.1205
Std Dev 0.6675

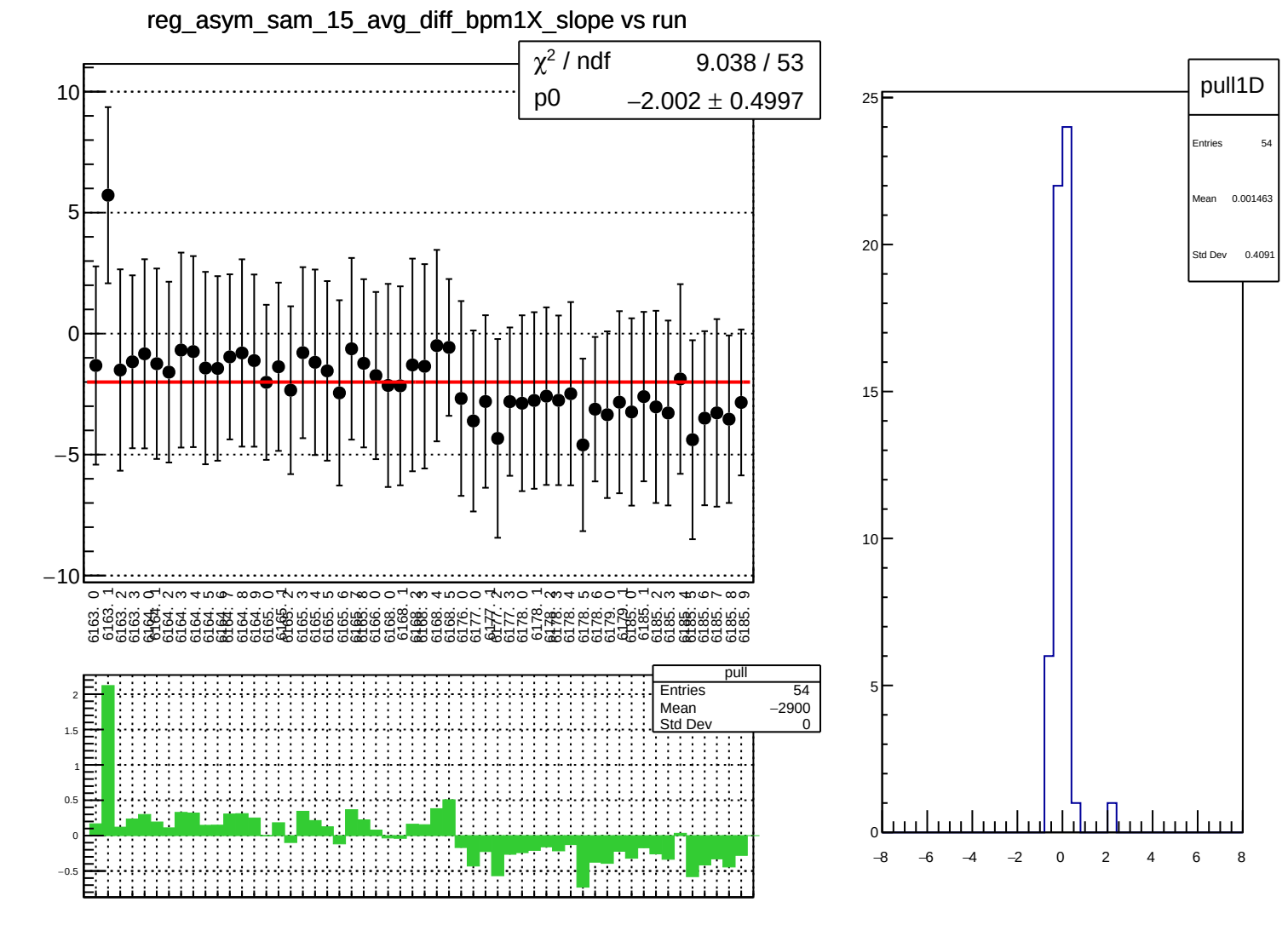

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ² / ndf 26.62 / 53
p0 85.54 ± 1.712
pull
Entries 54
Mean −33.74
Std Dev 0

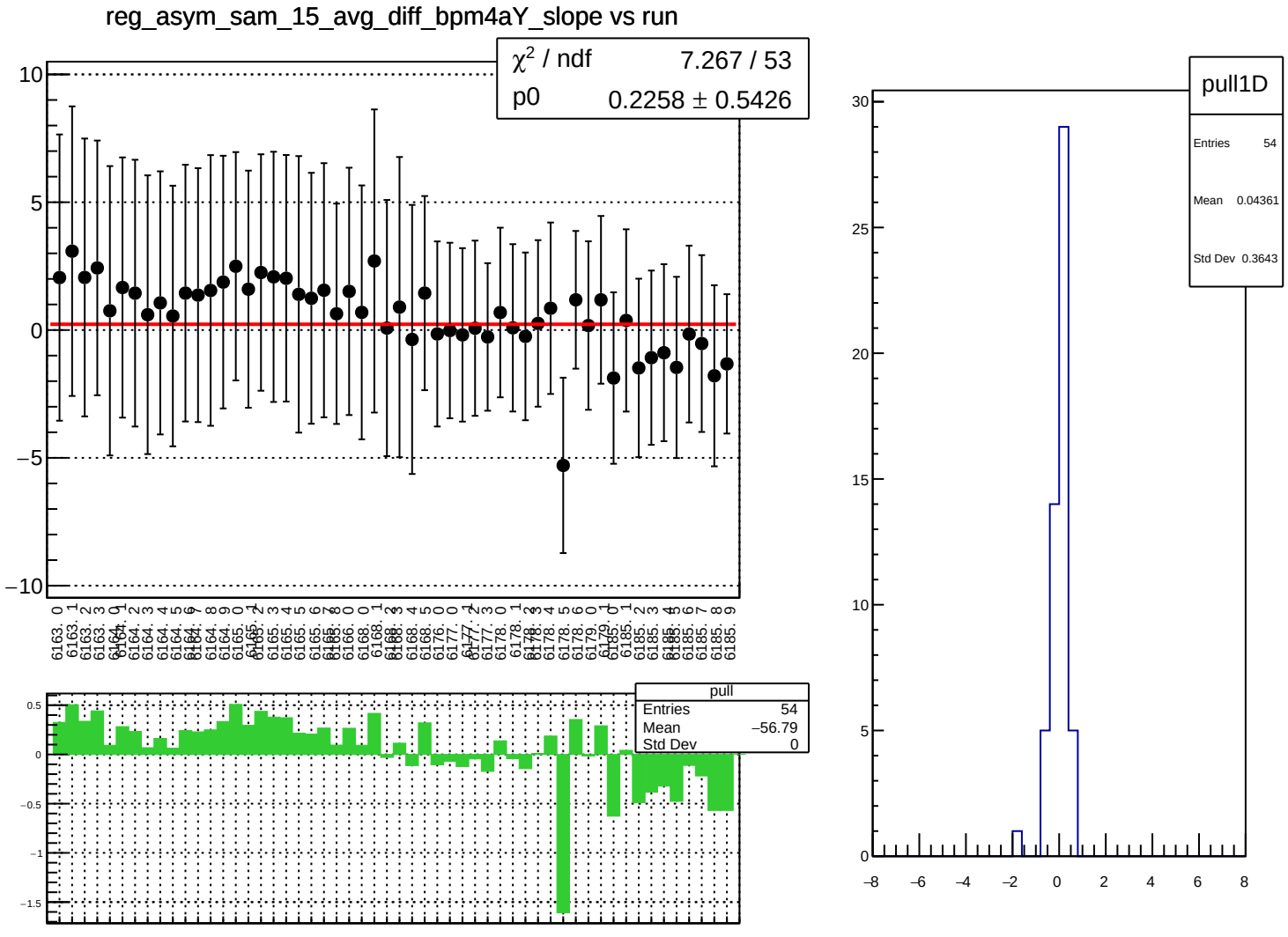

pull1D
Entries 54
Mean 0.07869
Std Dev 0.6977

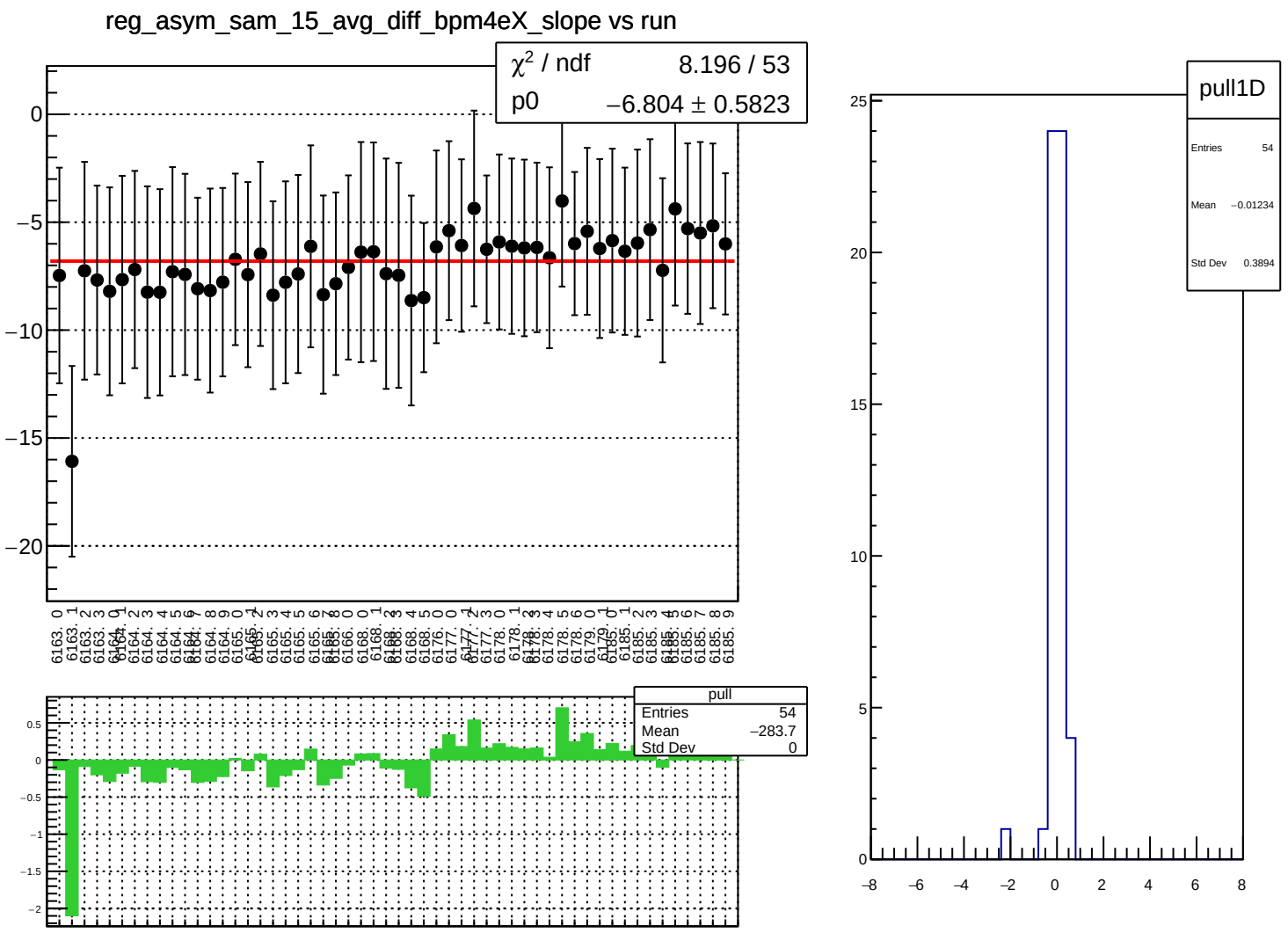

reg_asym_right_dd_diff_bpm4eY_slope vs run
χ² / ndf 26.82 / 53
p0 1.996 ± 1.743
pull
Entries 54
Mean −23.91
Std Dev 0
pull1D
Entries 54
Mean −0.1188
Std Dev 0.6946

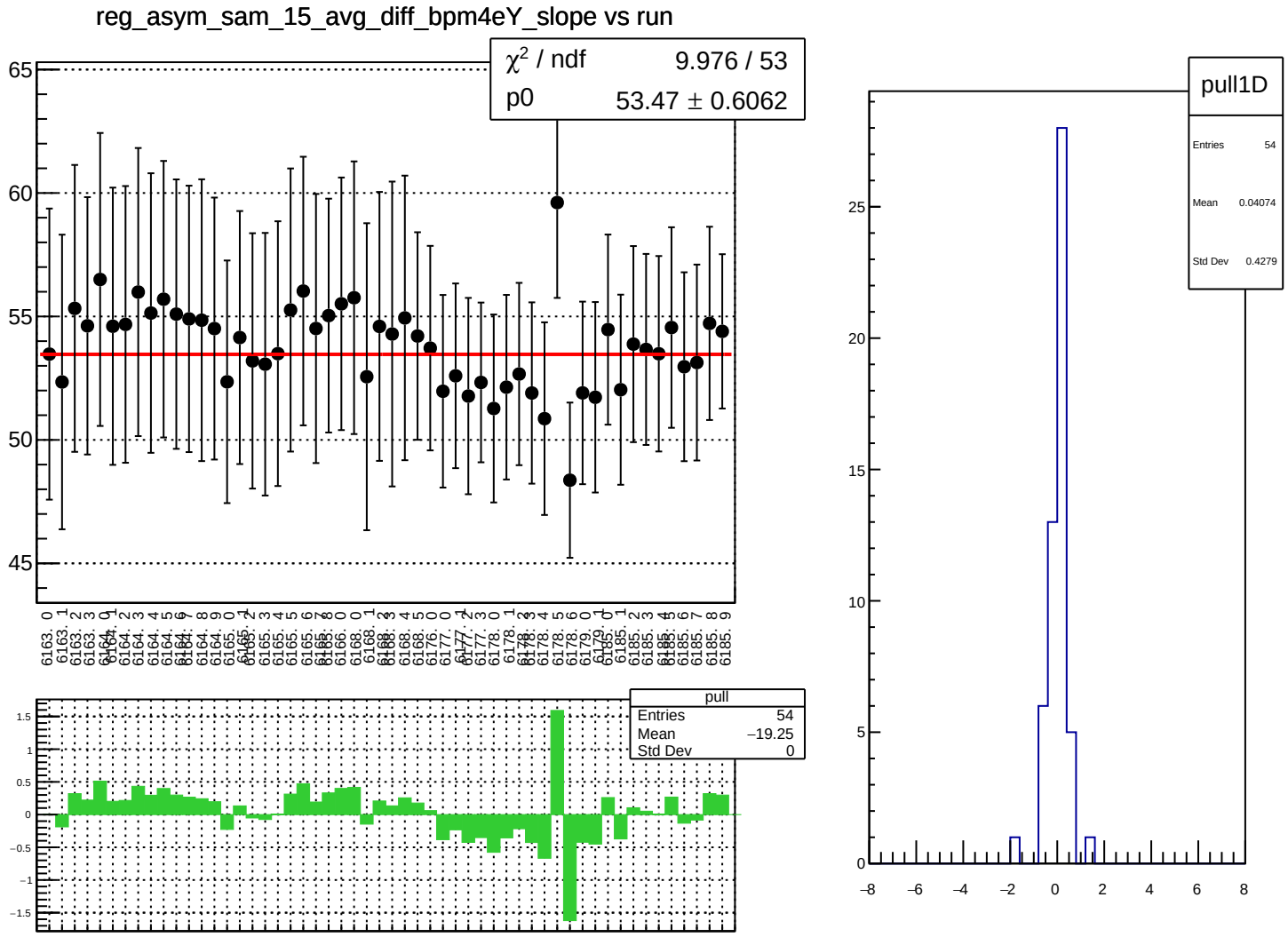

reg_asym_right_dd_diff_bpm12X_slope vs run
χ² / ndf 65.65 / 53
p0 −20.26 ± 0.1388
pull
Entries 54
Mean −35.68
Std Dev 0

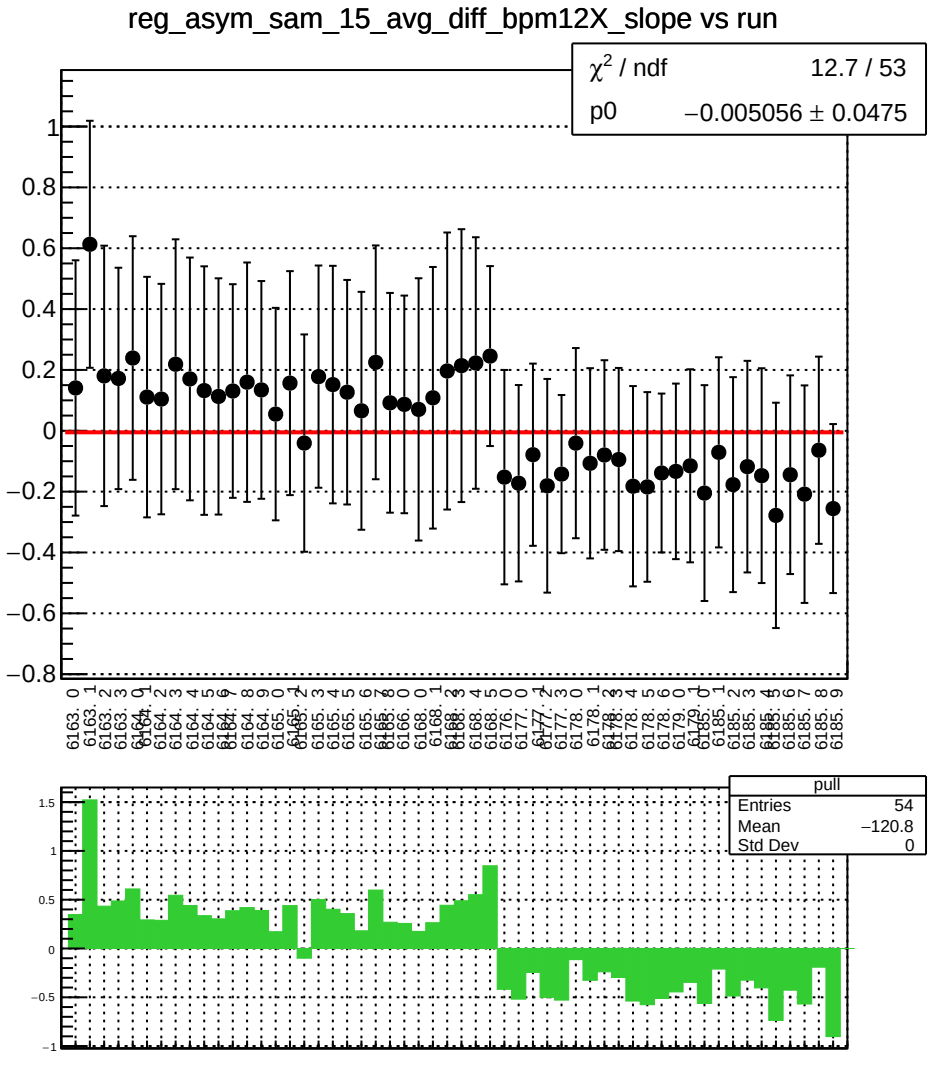

pull1D
Entries 54
Mean −0.16
Std Dev 1.091

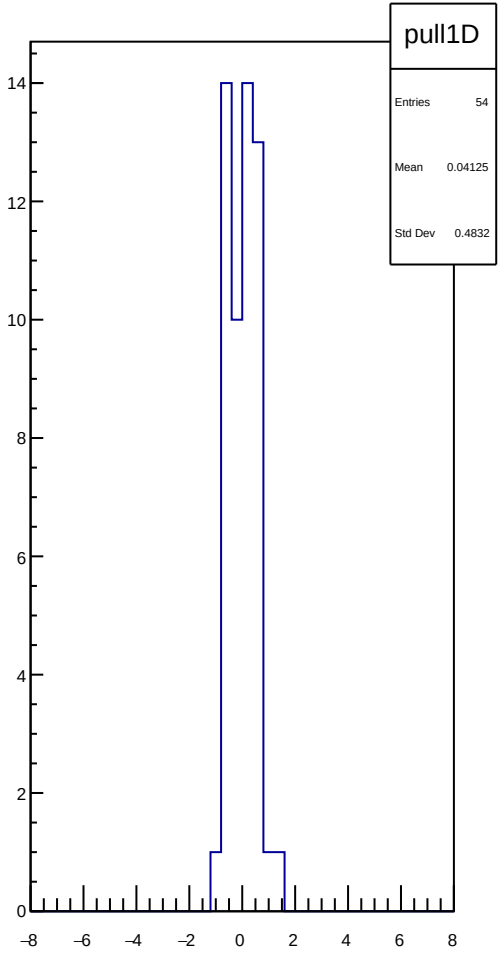

reg_asym_sam_15_avg_diff_bpm1X_slope vs run
χ² / ndf 9.038 / 53
p0 −2.002 ± 0.4997
pull
Entries 54
Mean −2900
Std Dev 0
pull1D
Entries 54
Mean 0.001463
Std Dev 0.4091

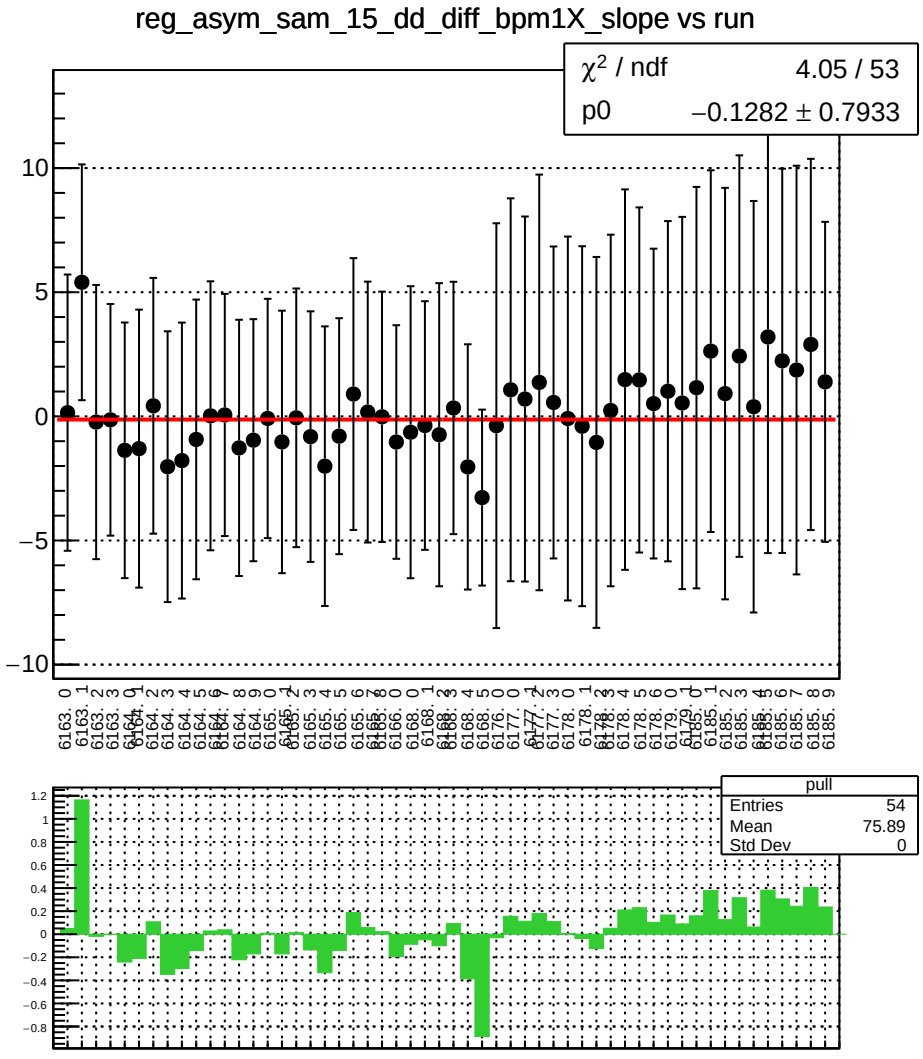

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ² / ndf 7.267 / 53
p0 0.2258 ± 0.5426
pull
Entries 54
Mean −56.79
Std Dev 0
pull1D
Entries 54
Mean 0.04361
Std Dev 0.3643

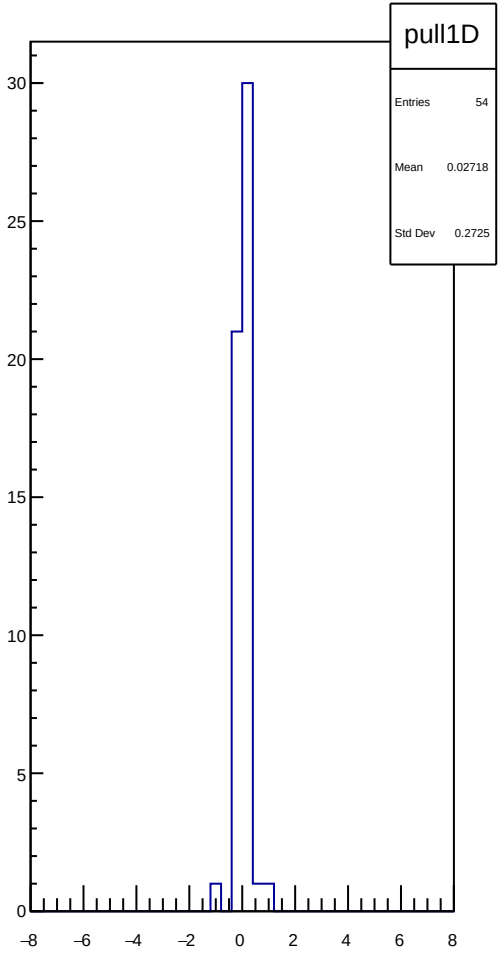

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 8.196 / 53
p0 −6.804 ± 0.5823
pull
Entries 54
Mean −283.7
Std Dev 0
pull1D
Entries 54
Mean −0.01234
Std Dev 0.3894

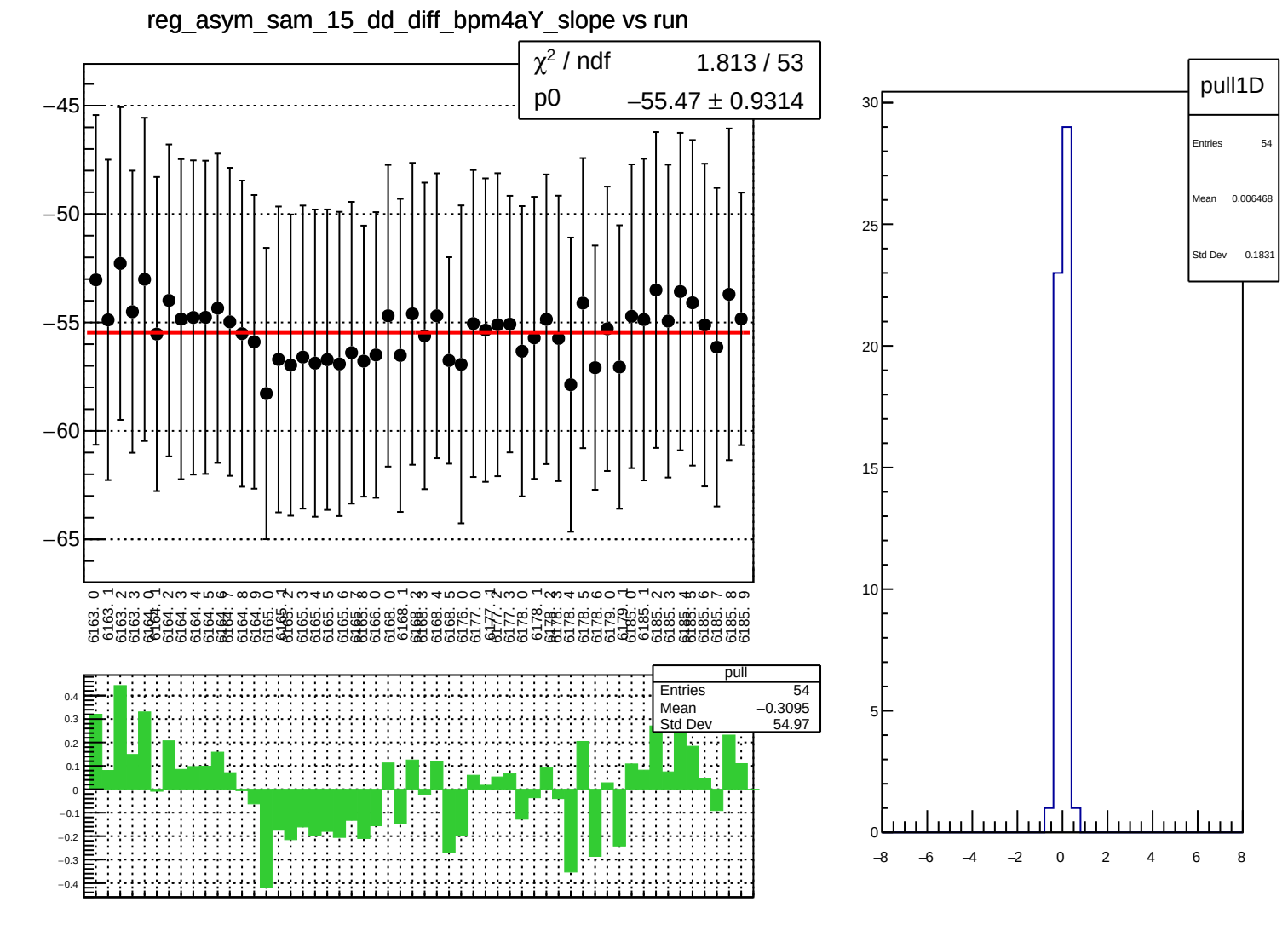

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 9.976 / 53
p0 53.47 ± 0.6062
65
60
55
50
45
pull
Entries 54
Mean −19.25
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 54
Mean 0.04074
Std Dev 0.4279
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

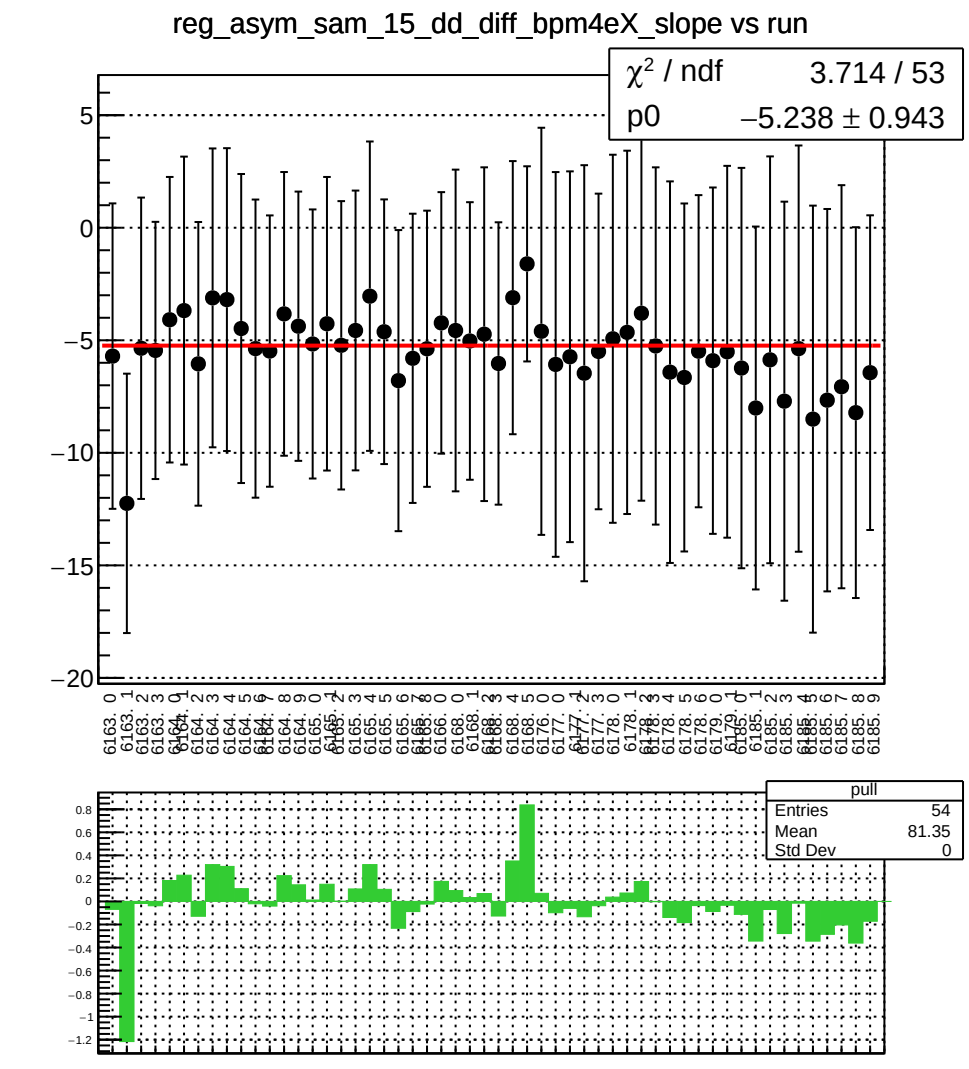

reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ² / ndf 12.7 / 53
p0 −0.005056 ± 0.0475
pull
Entries 54
Mean −120.8
Std Dev 0

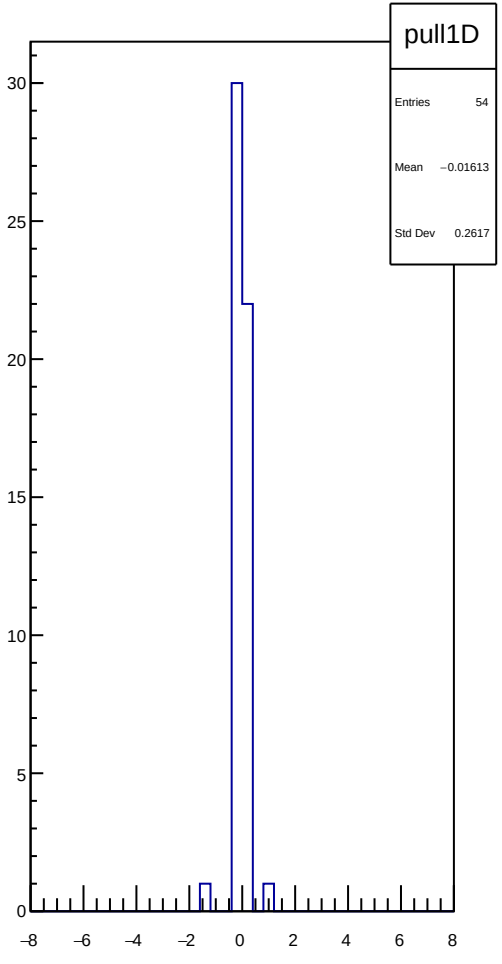

pull1D
Entries 54
Mean 0.04125
Std Dev 0.4832

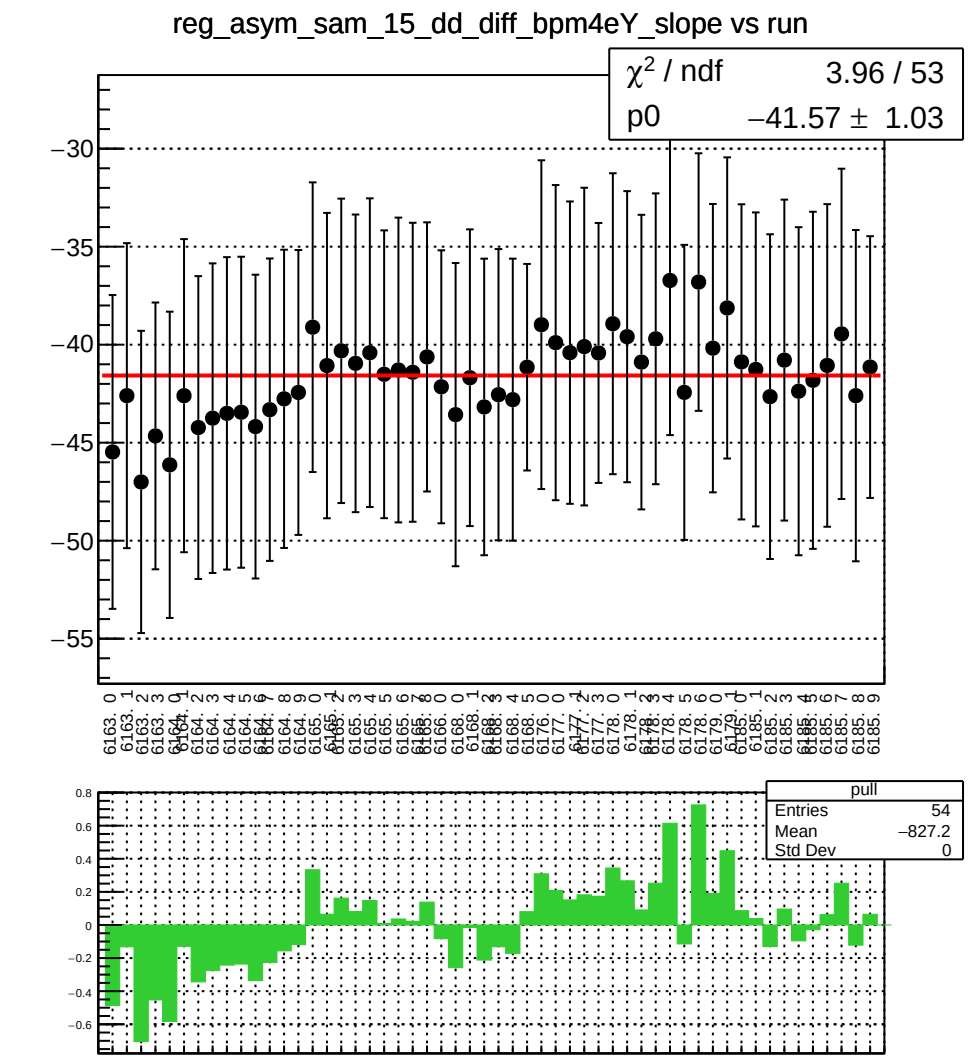

reg_asym_sam_15_dd_diff_bpm1X_slope vs run
χ² / ndf 4.05 / 53
p0 −0.1282 ± 0.7933
pull
Entries 54
Mean 75.89
Std Dev 0

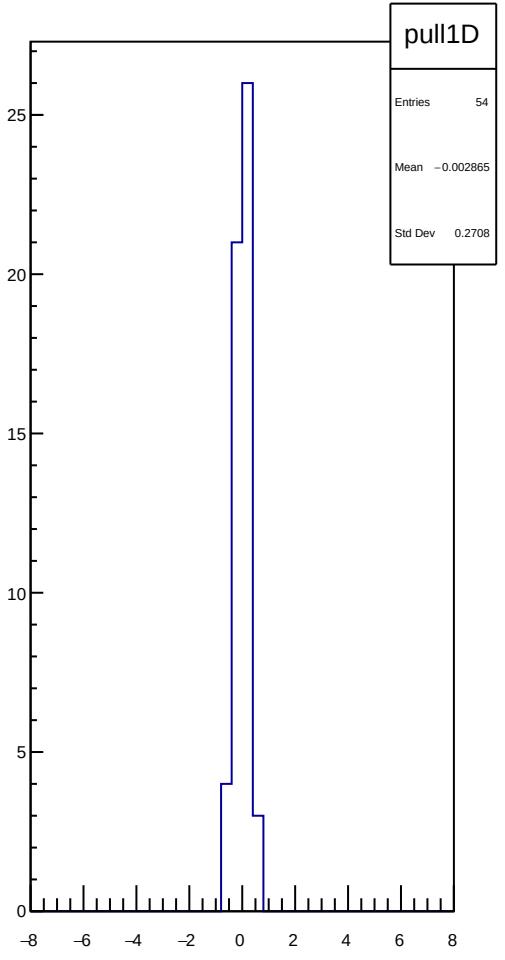

pull1D
Entries 54
Mean 0.02718
Std Dev 0.2725

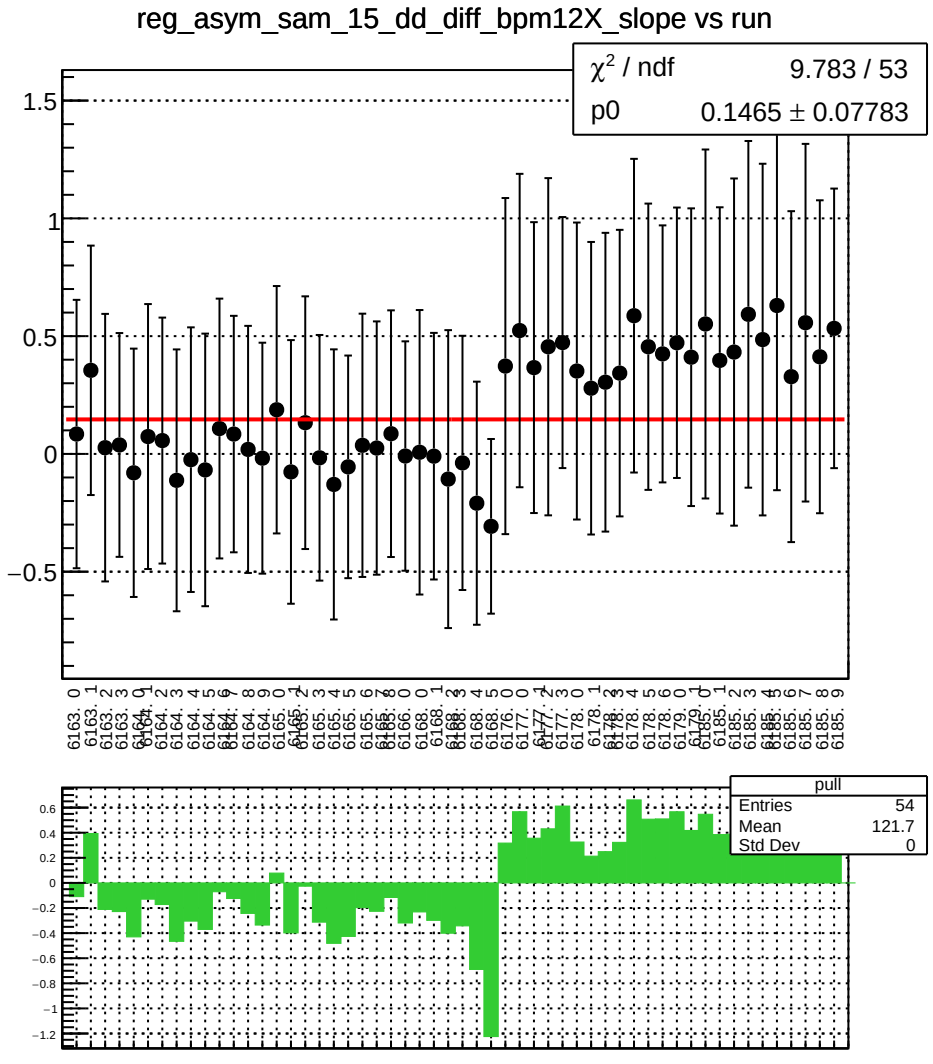

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 1.813 / 53
p0 −55.47 ± 0.9314
−45
−50
−55
−60
−65
pull
Entries 54
Mean −0.3095
Std Dev 54.97
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
pull1D
Entries 54
Mean 0.006468
Std Dev 0.1831
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

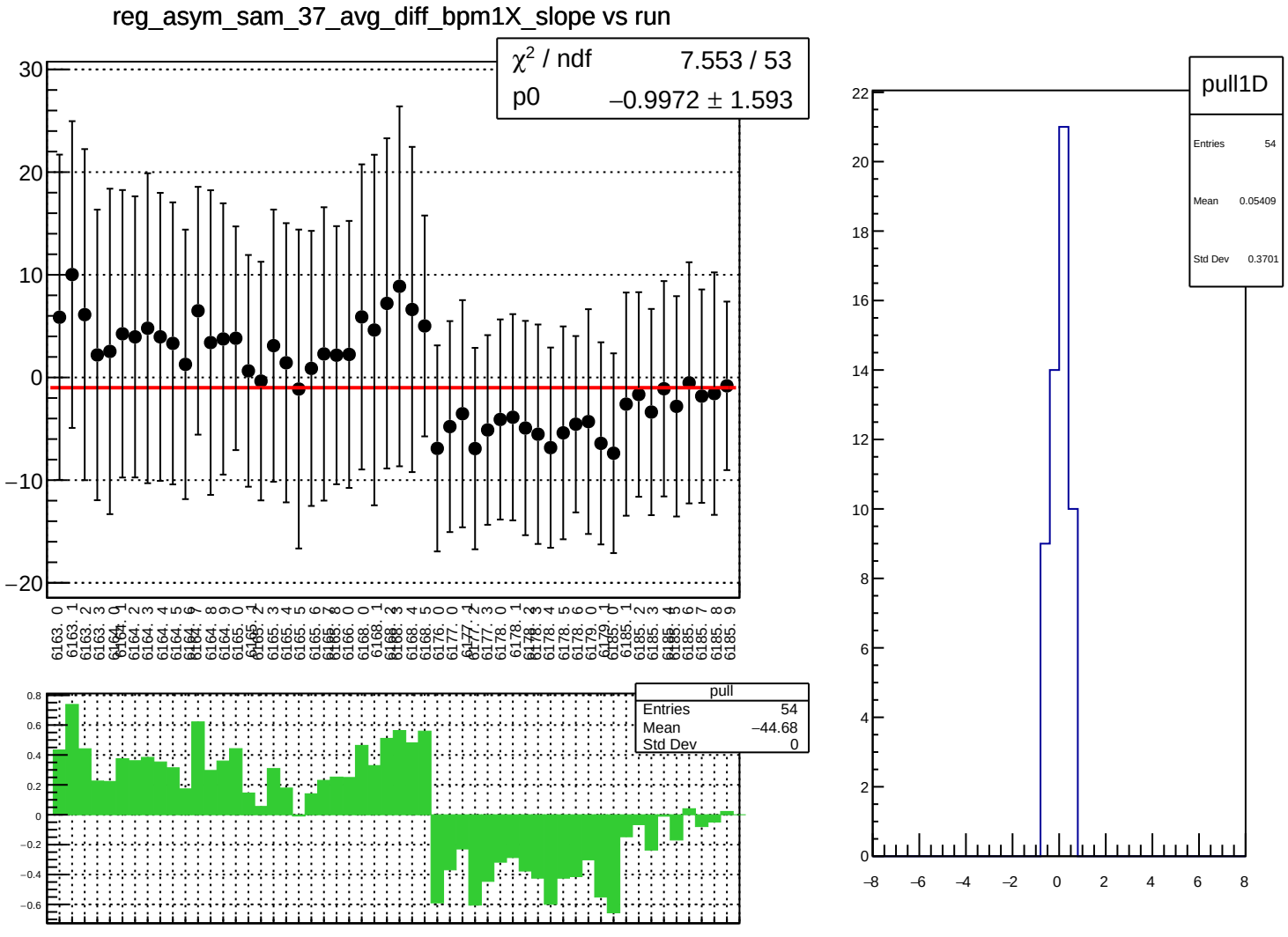

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 3.714 / 53
p0 −5.238 ± 0.943
pull
Entries 54
Mean 81.35
Std Dev 0

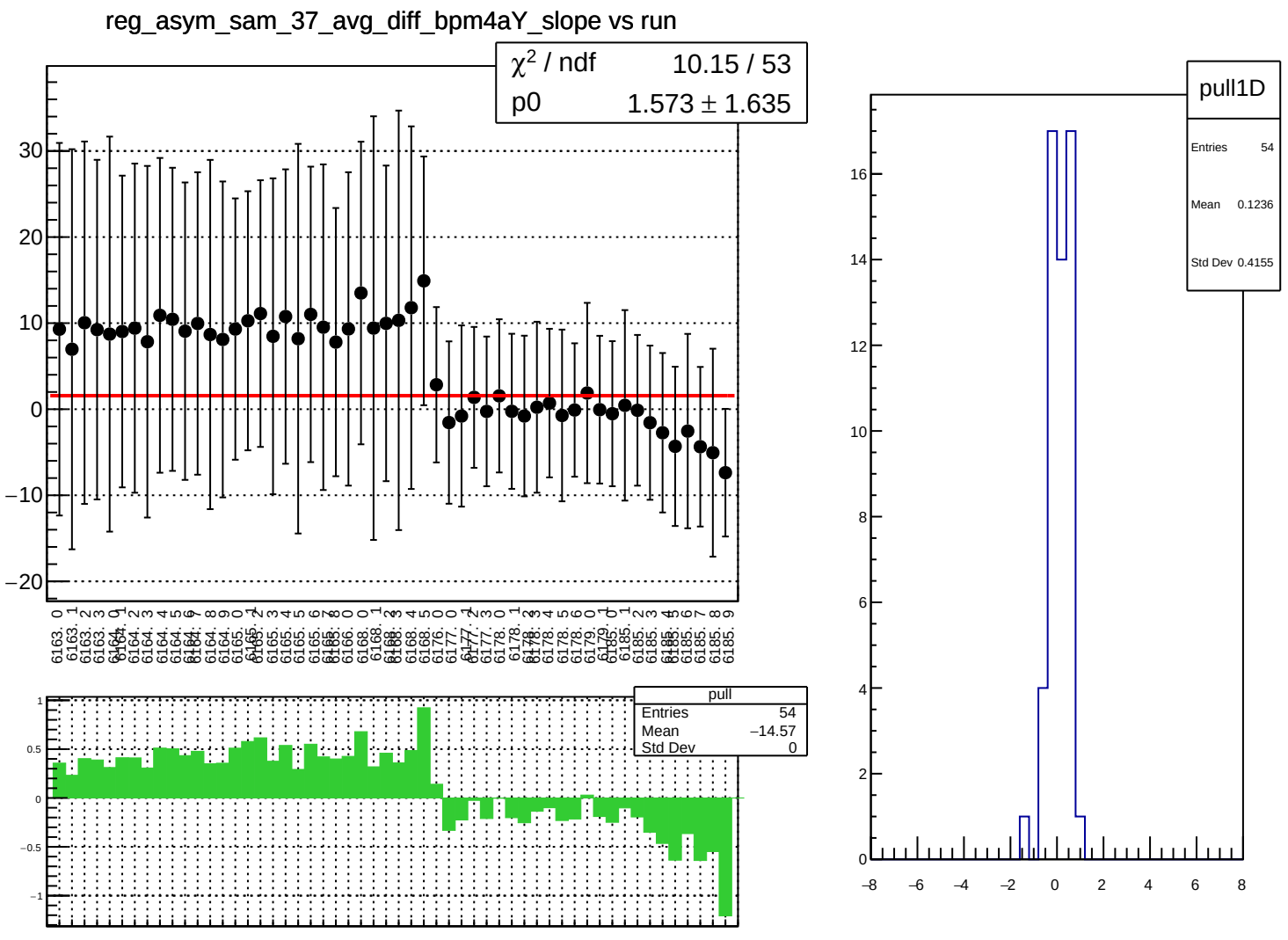

pull1D
Entries 54
Mean −0.01613
Std Dev 0.2617

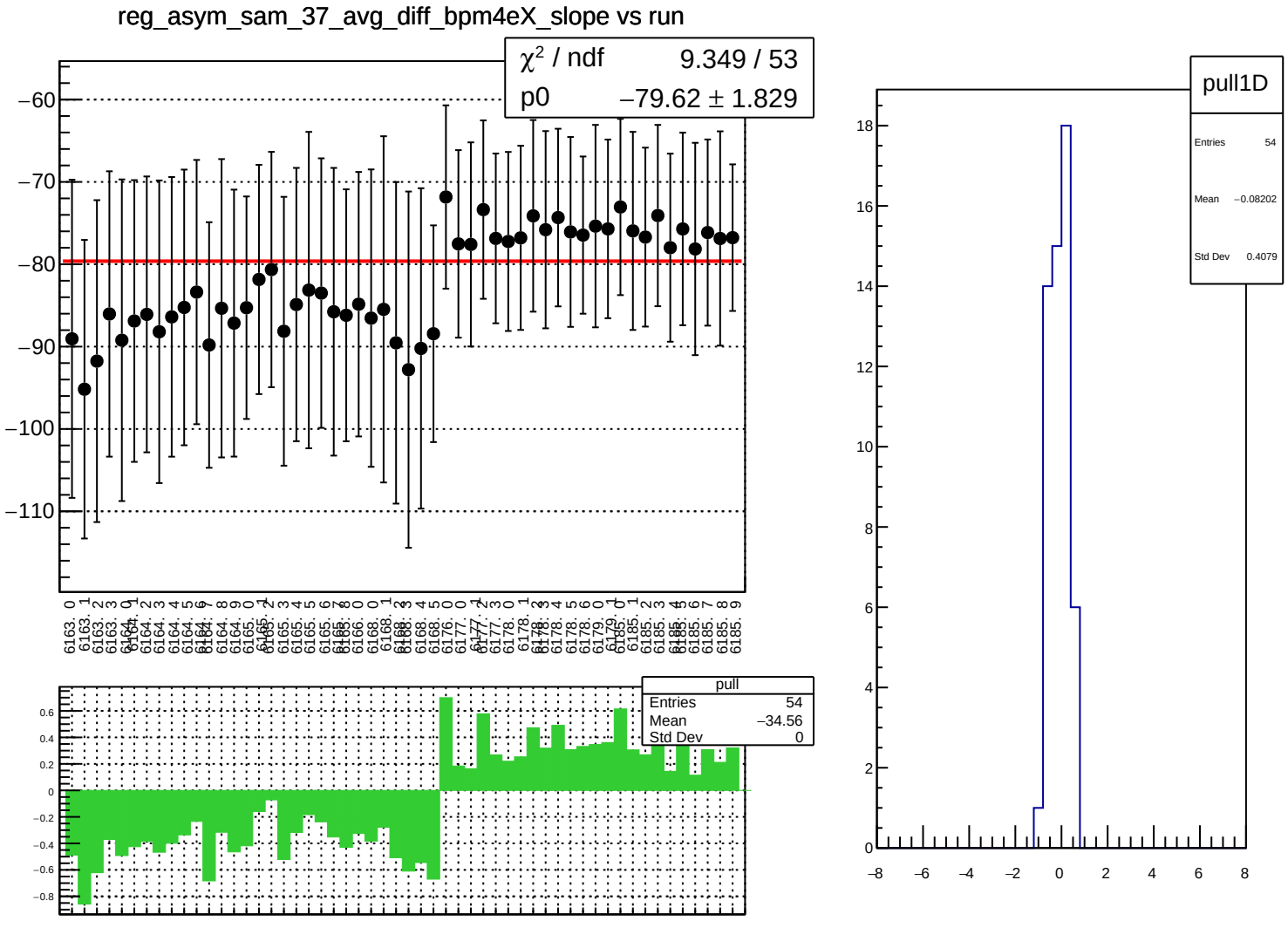

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 3.96 / 53
p0 −41.57 ± 1.03
pull
Entries 54
Mean −827.2
Std Dev 0

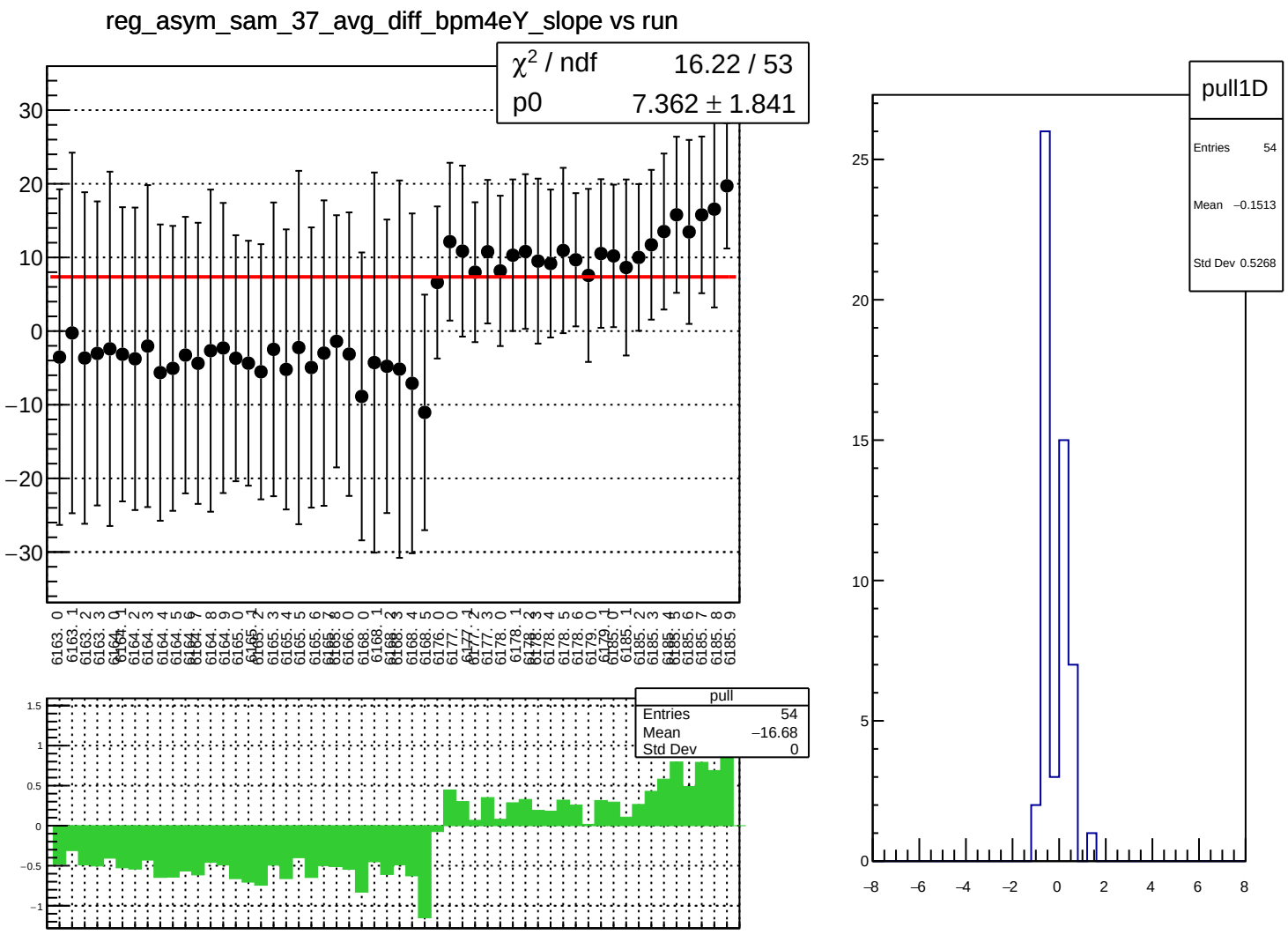

pull1D
Entries 54
Mean −0.002865
Std Dev 0.2708

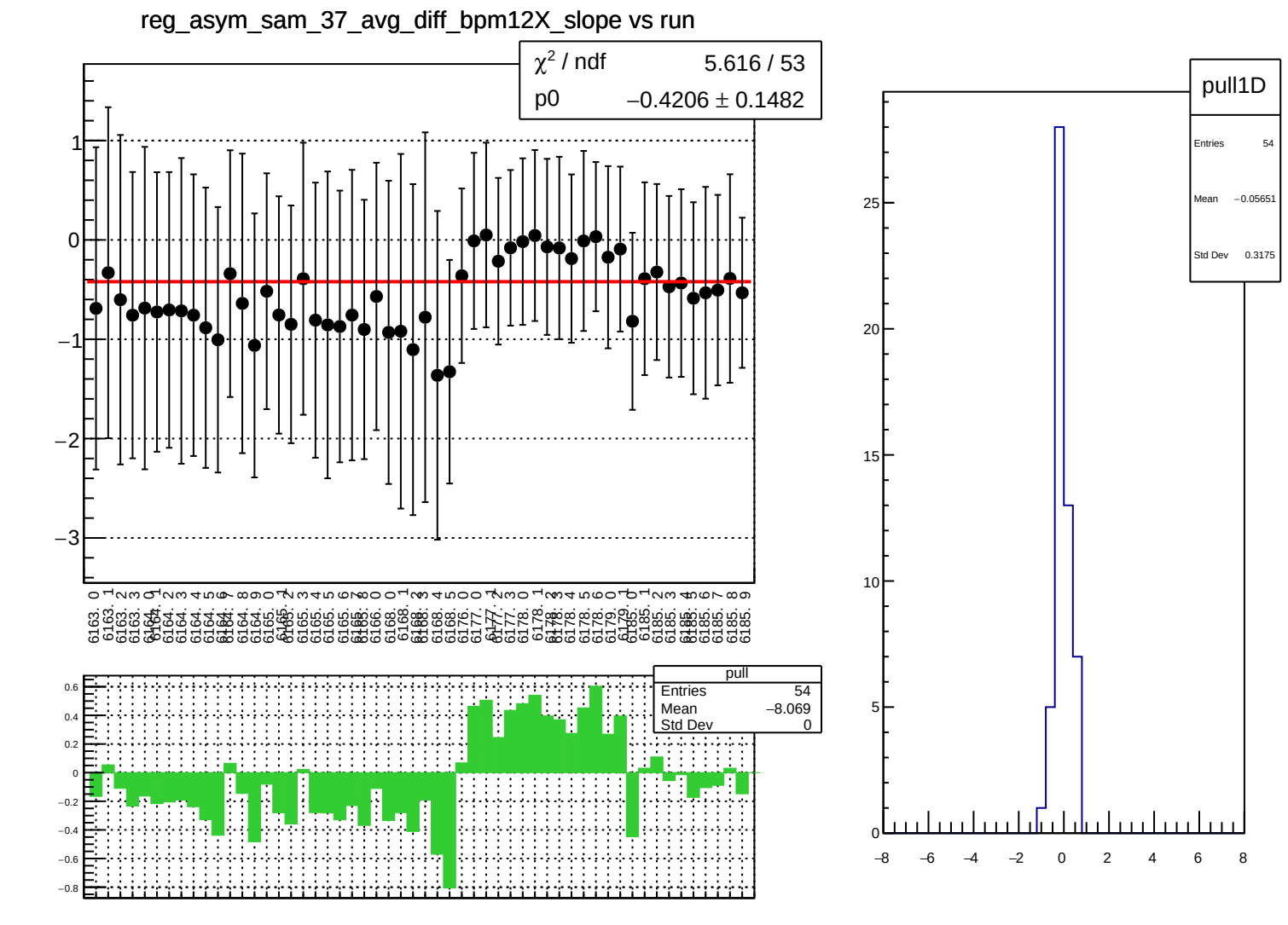

reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ² / ndf 9.783 / 53
p0 0.1465 ± 0.07783
pull
Entries 54
Mean 121.7
Std Dev 0
pull1D
Entries 54
Mean 0.04624
Std Dev 0.4231

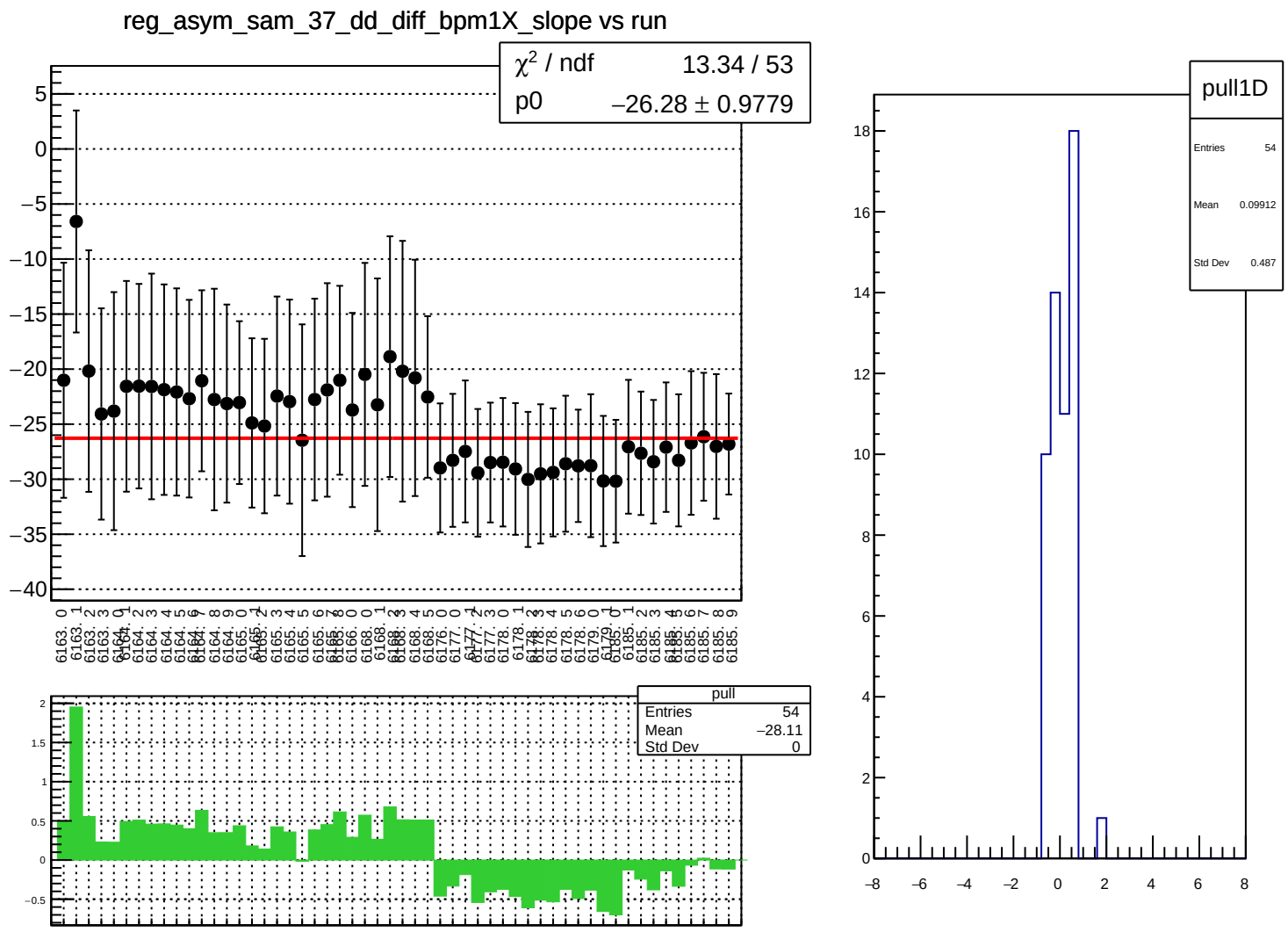

reg_asym_sam_37_avg_diff_bpm1X_slope vs run
χ² / ndf 7.553 / 53
p0 −0.9972 ± 1.593
pull
Entries 54
Mean −44.68
Std Dev 0
pull1D
Entries 54
Mean 0.05409
Std Dev 0.3701

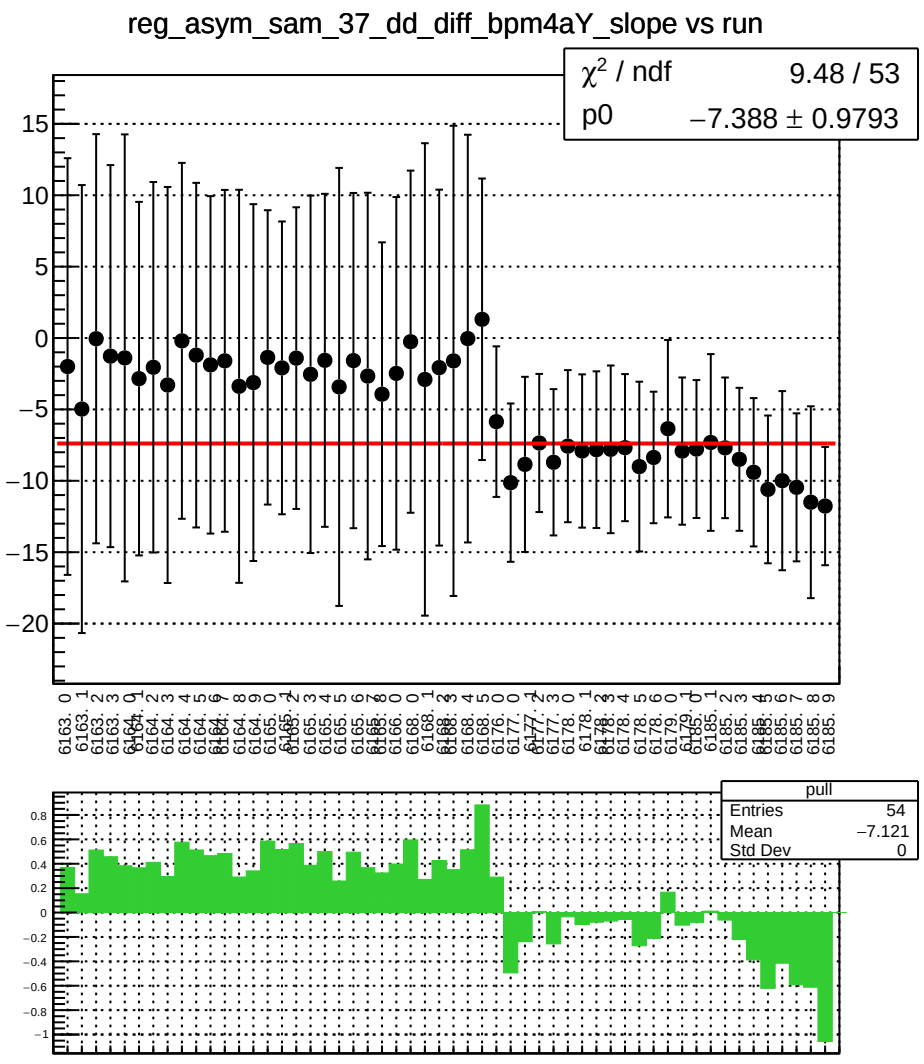

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ² / ndf 10.15 / 53
p0 1.573 ± 1.635
pull
Entries 54
Mean −14.57
Std Dev 0
pull1D
Entries 54
Mean 0.1236
Std Dev 0.4155

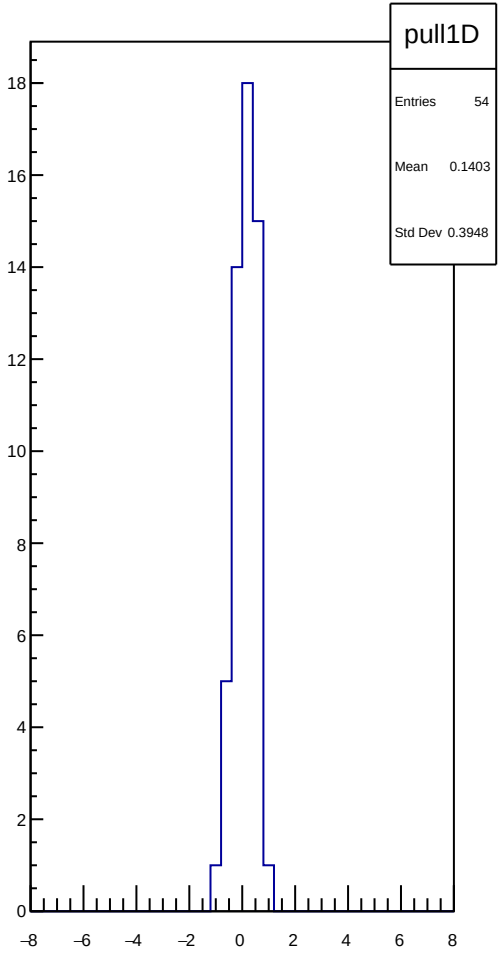

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ² / ndf 9.349 / 53
p0 −79.62 ± 1.829
pull
Entries 54
Mean −34.56
Std Dev 0
pull1D
Entries 54
Mean −0.08202
Std Dev 0.4079

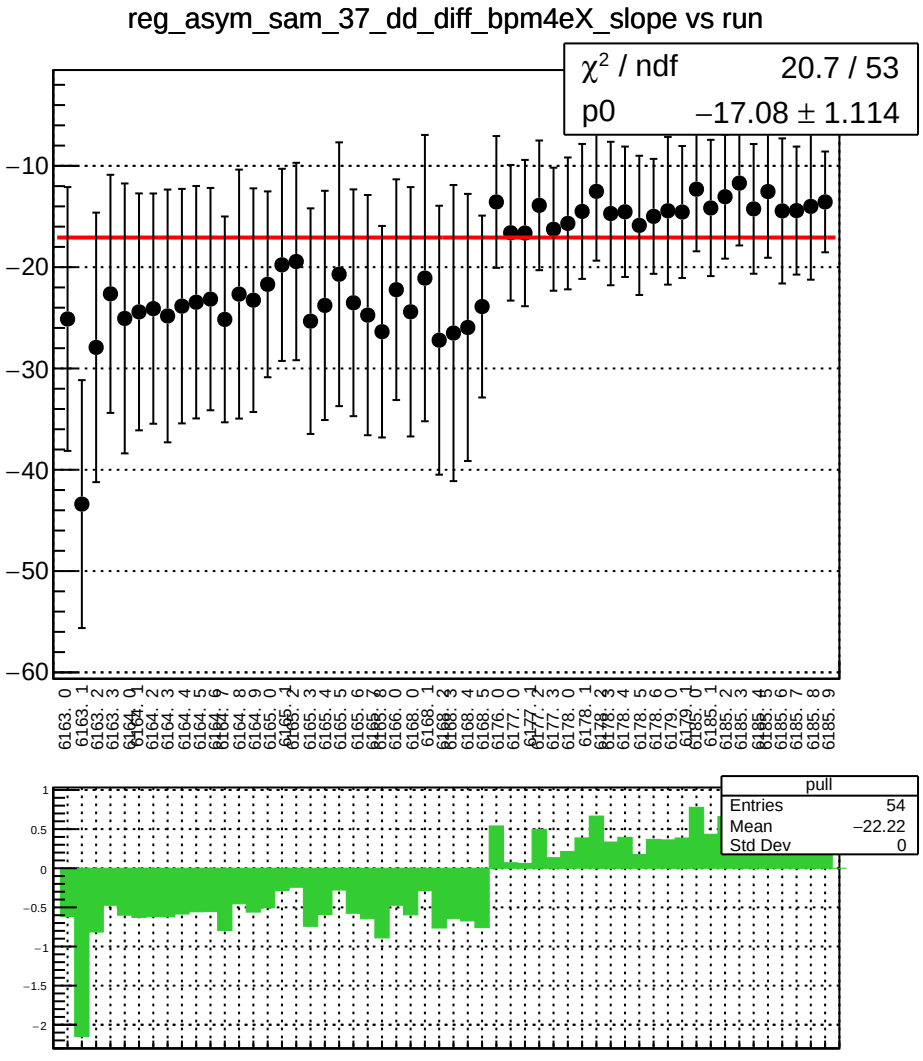

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 16.22 / 53
p0 7.362 ± 1.841
pull
Entries 54
Mean −16.68
Std Dev 0
pull1D
Entries 54
Mean −0.1513
Std Dev 0.5268

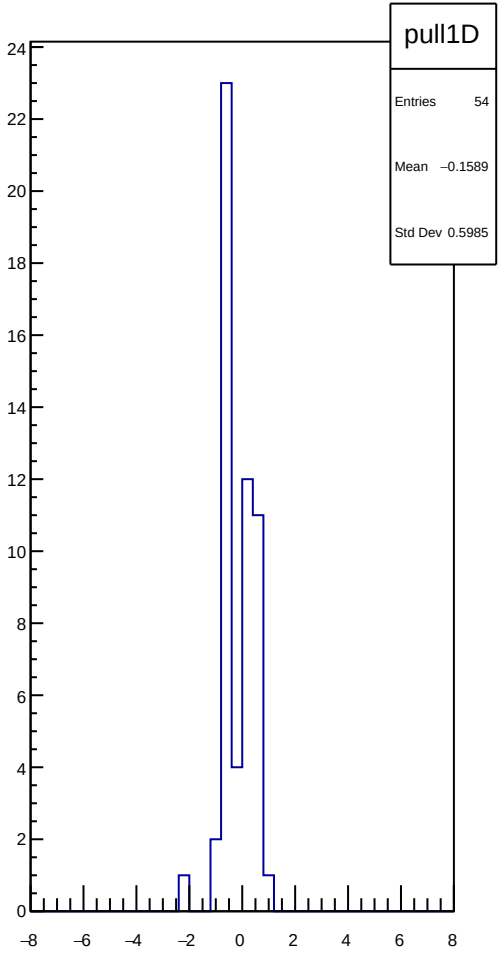

reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ² / ndf 5.616 / 53
p0 −0.4206 ± 0.1482
pull
Entries 54
Mean −8.069
Std Dev 0
pull1D
Entries 54
Mean −0.05651
Std Dev 0.3175

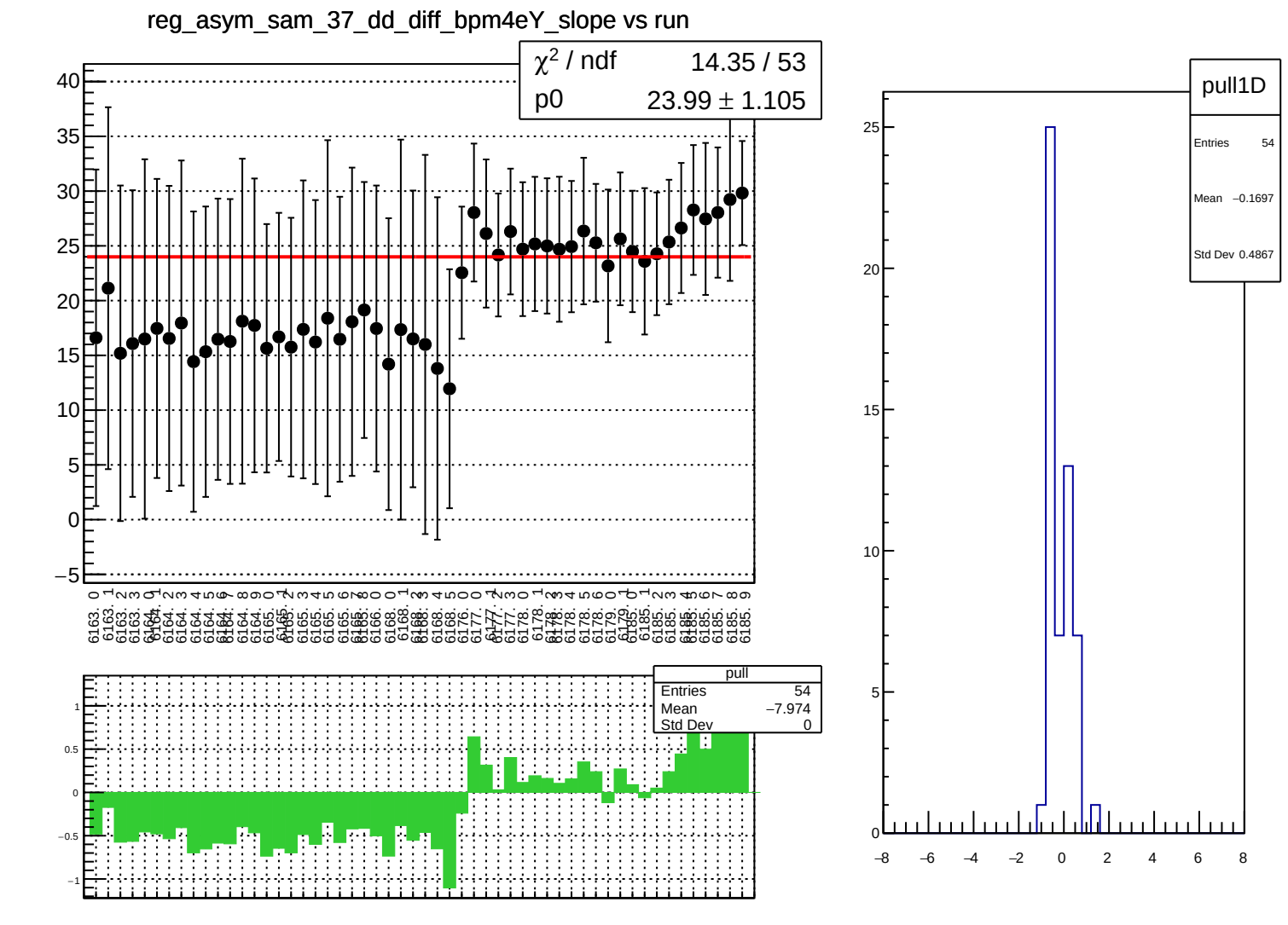

reg_asym_sam_37_dd_diff_bpm1X_slope vs run
χ² / ndf 13.34 / 53
p0 −26.28 ± 0.9779
pull
Entries 54
Mean −28.11
Std Dev 0
pull1D
Entries 54
Mean 0.09912
Std Dev 0.487

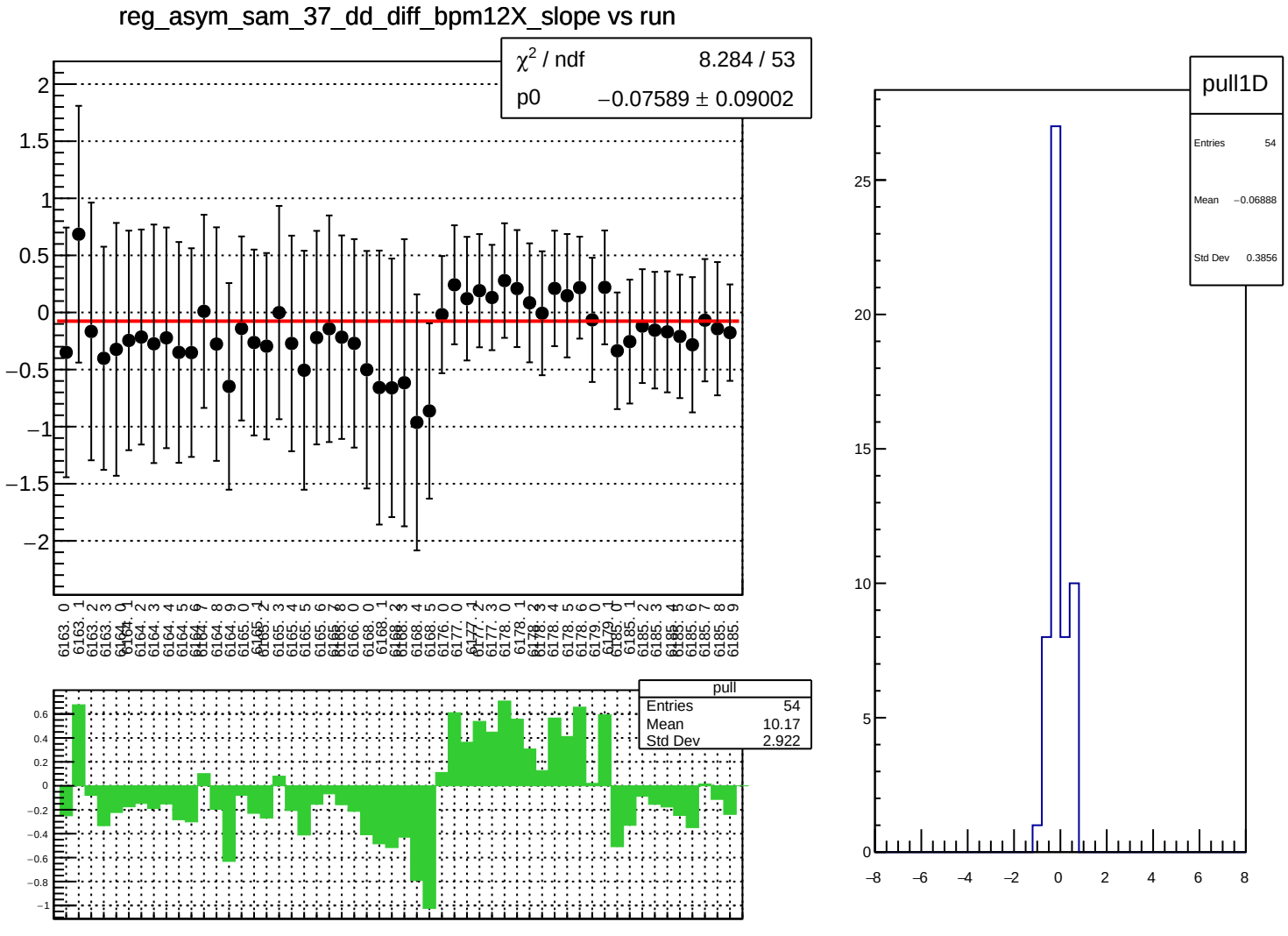

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 9.48 / 53
p0 −7.388 ± 0.9793
pull
Entries 54
Mean −7.121
Std Dev 0

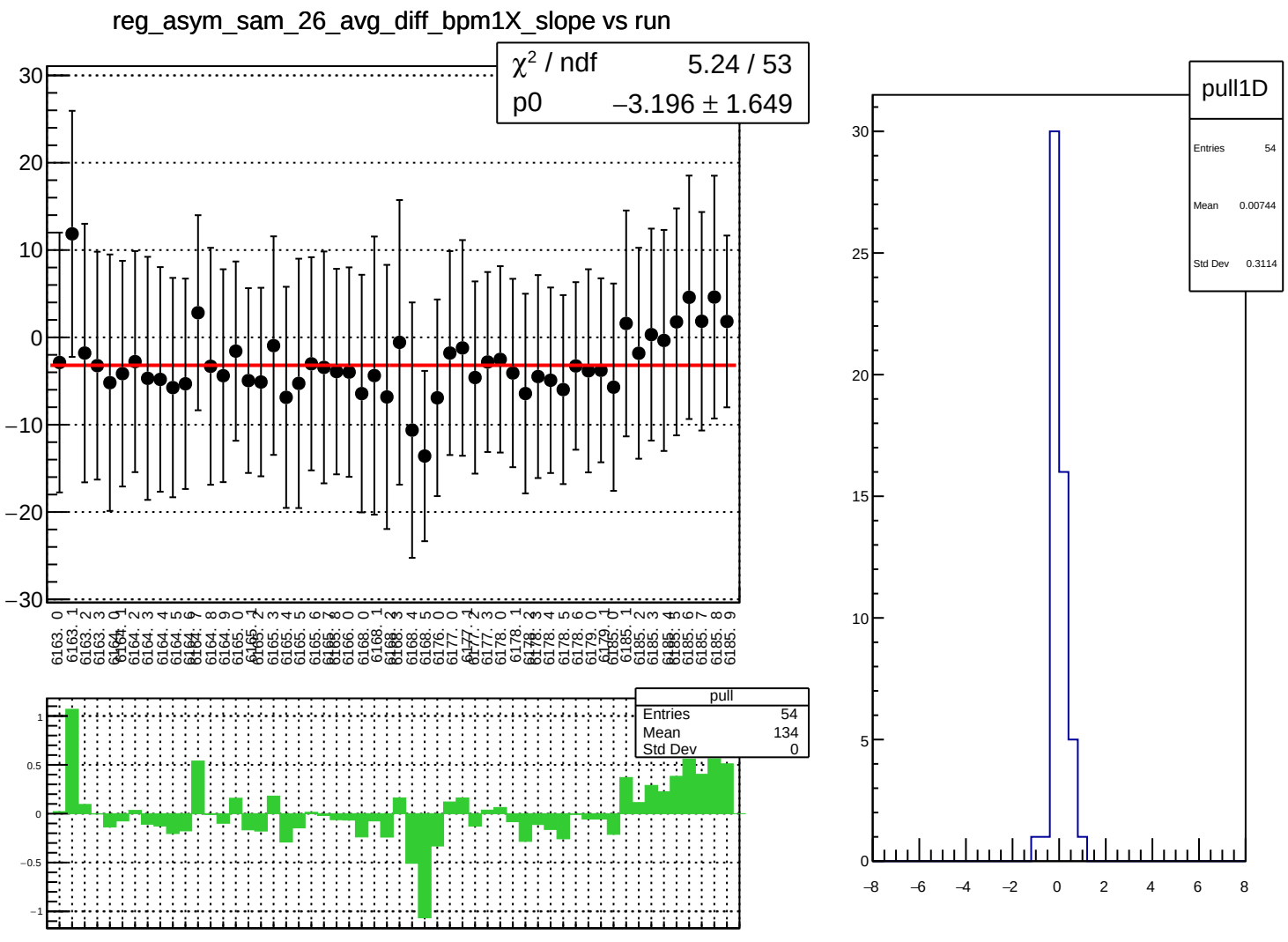

pull1D
Entries 54
Mean 0.1403
Std Dev 0.3948

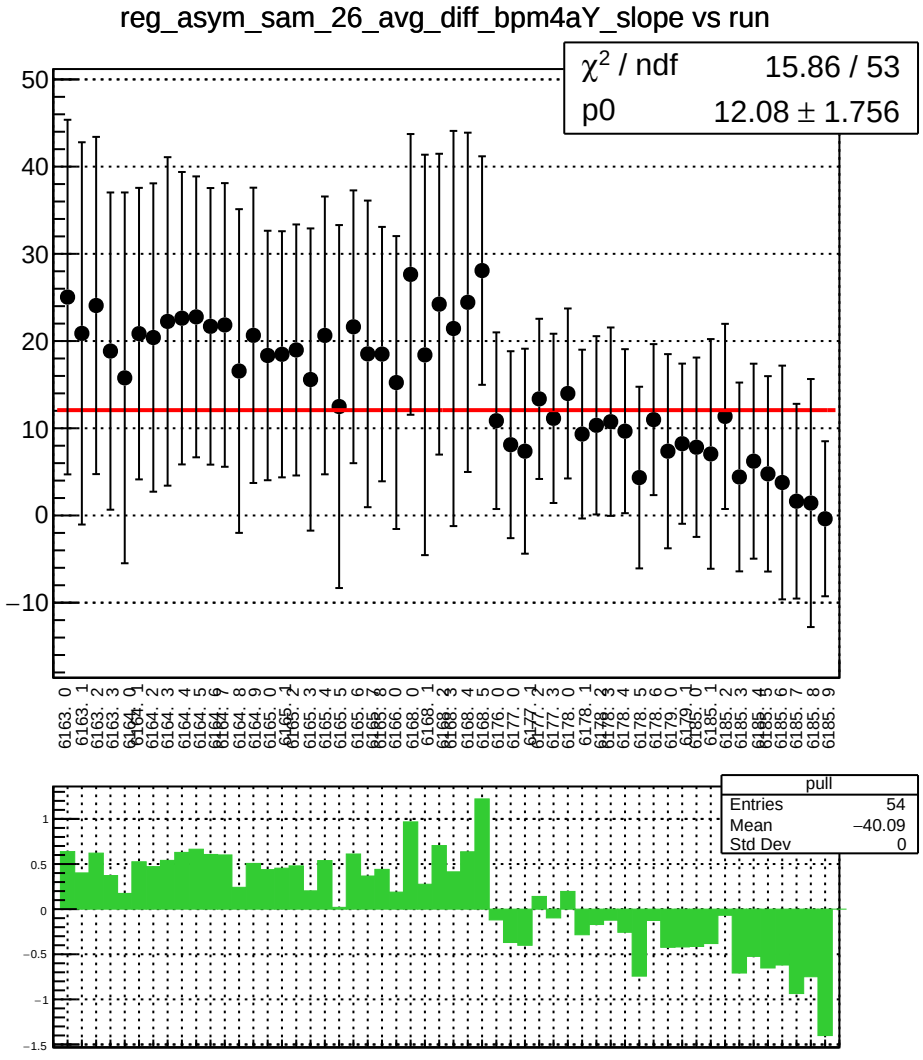

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 20.7 / 53
p0 −17.08 ± 1.114
pull
Entries 54
Mean −22.22
Std Dev 0

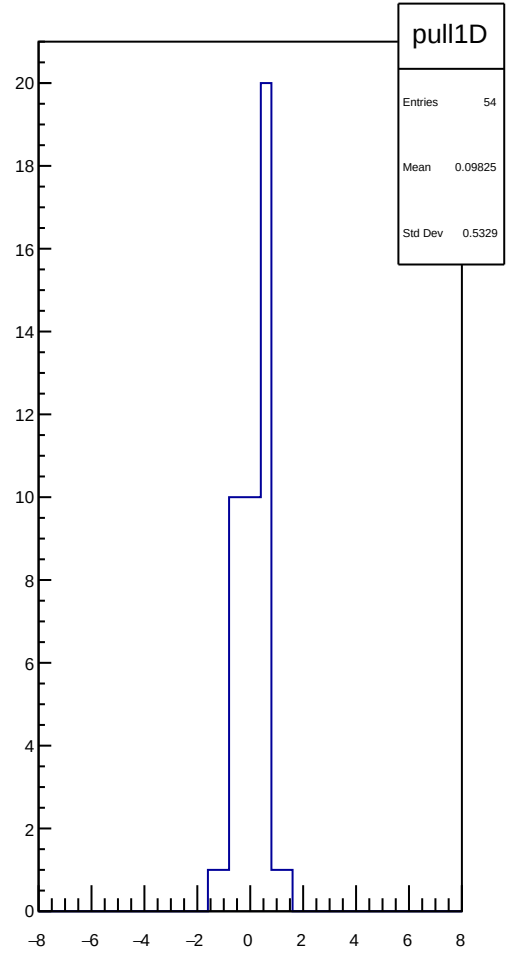

pull1D
Entries 54
Mean −0.1589
Std Dev 0.5985

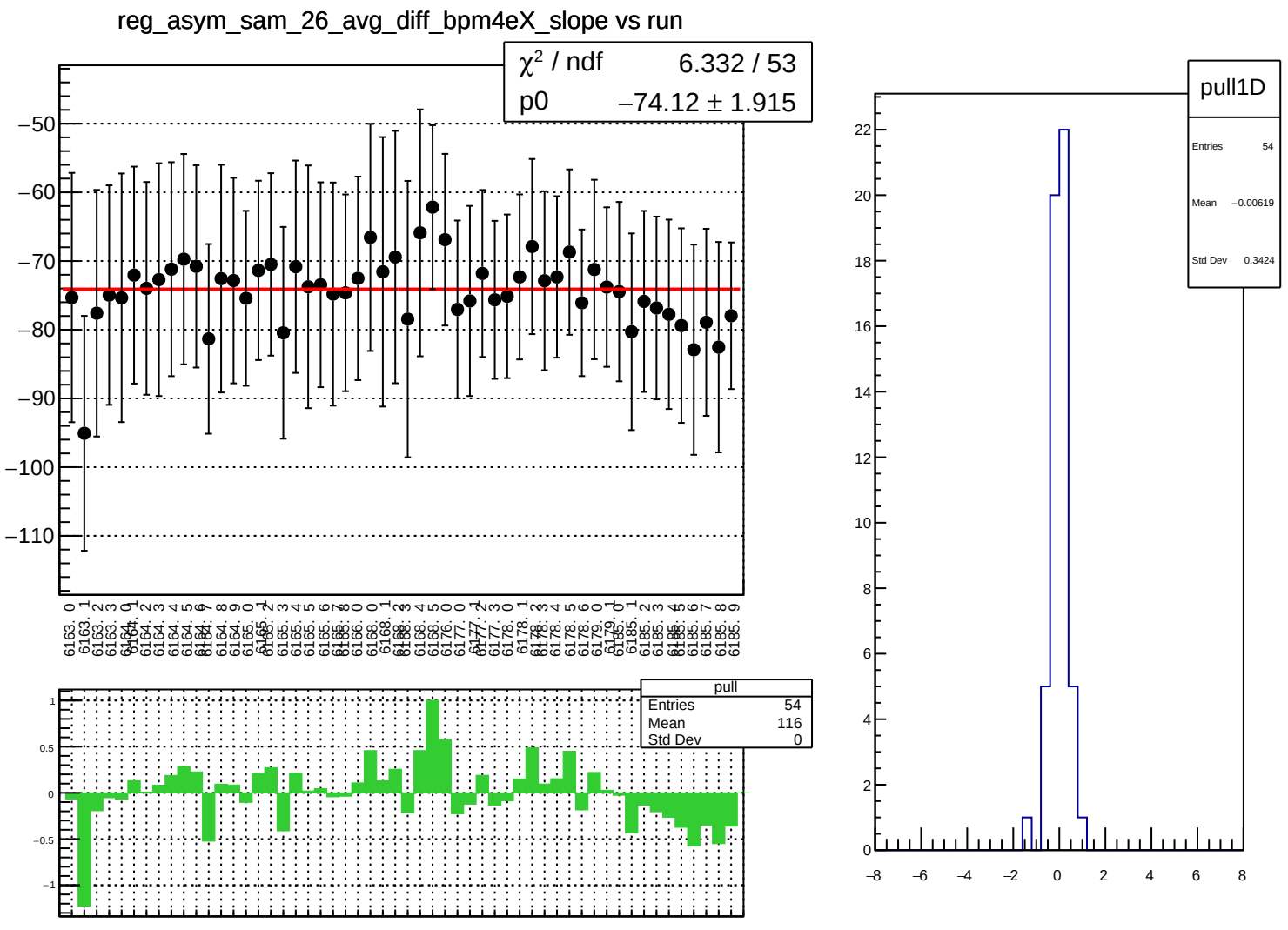

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 14.35 / 53
p0 23.99 ± 1.105
pull
Entries 54
Mean −7.974
Std Dev 0
pull1D
Entries 54
Mean −0.1697
Std Dev 0.4867

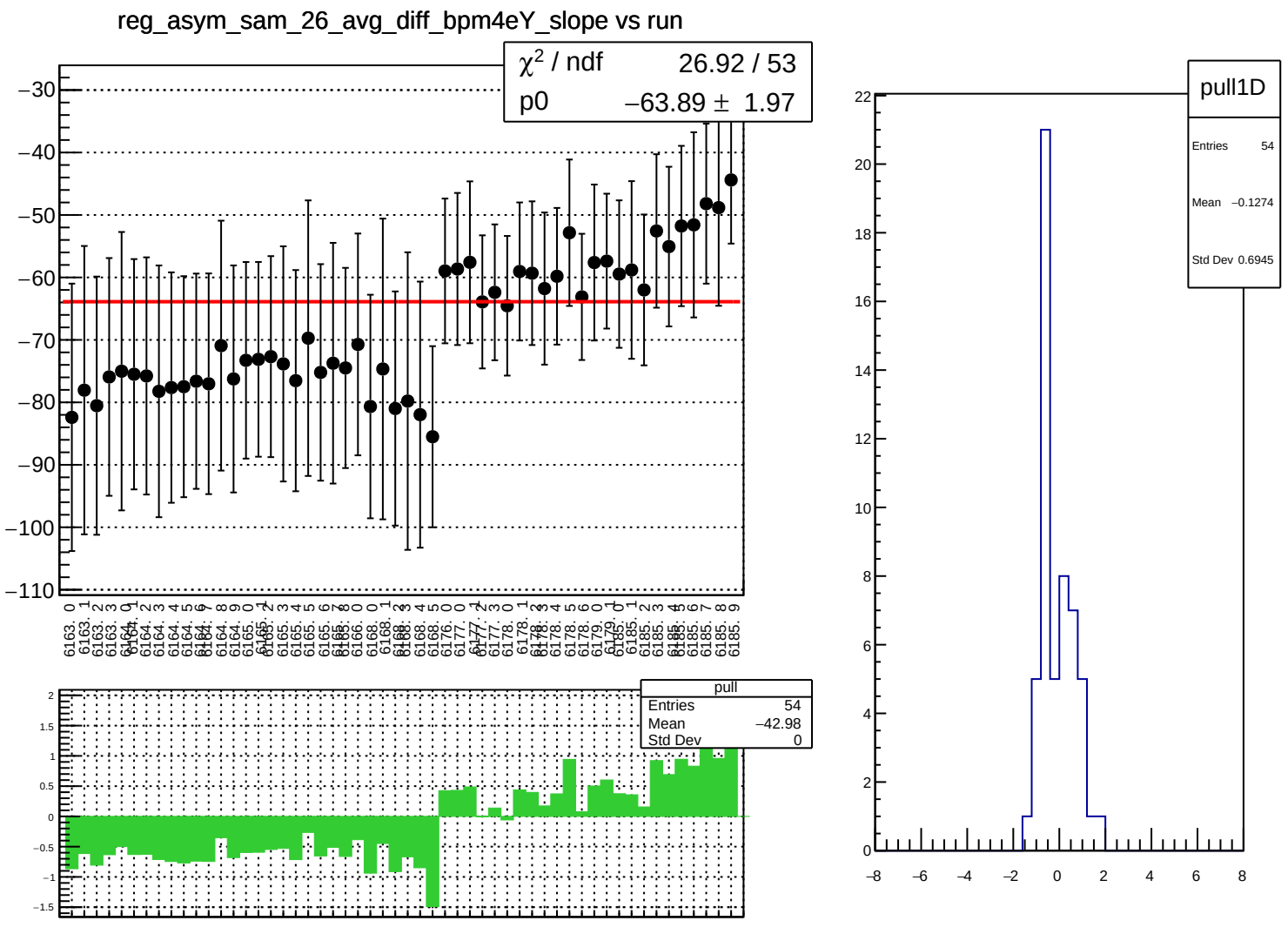

reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ² / ndf 8.284 / 53
p0 −0.07589 ± 0.09002
pull
Entries 54
Mean 10.17
Std Dev 2.922
pull1D
Entries 54
Mean −0.06888
Std Dev 0.3856

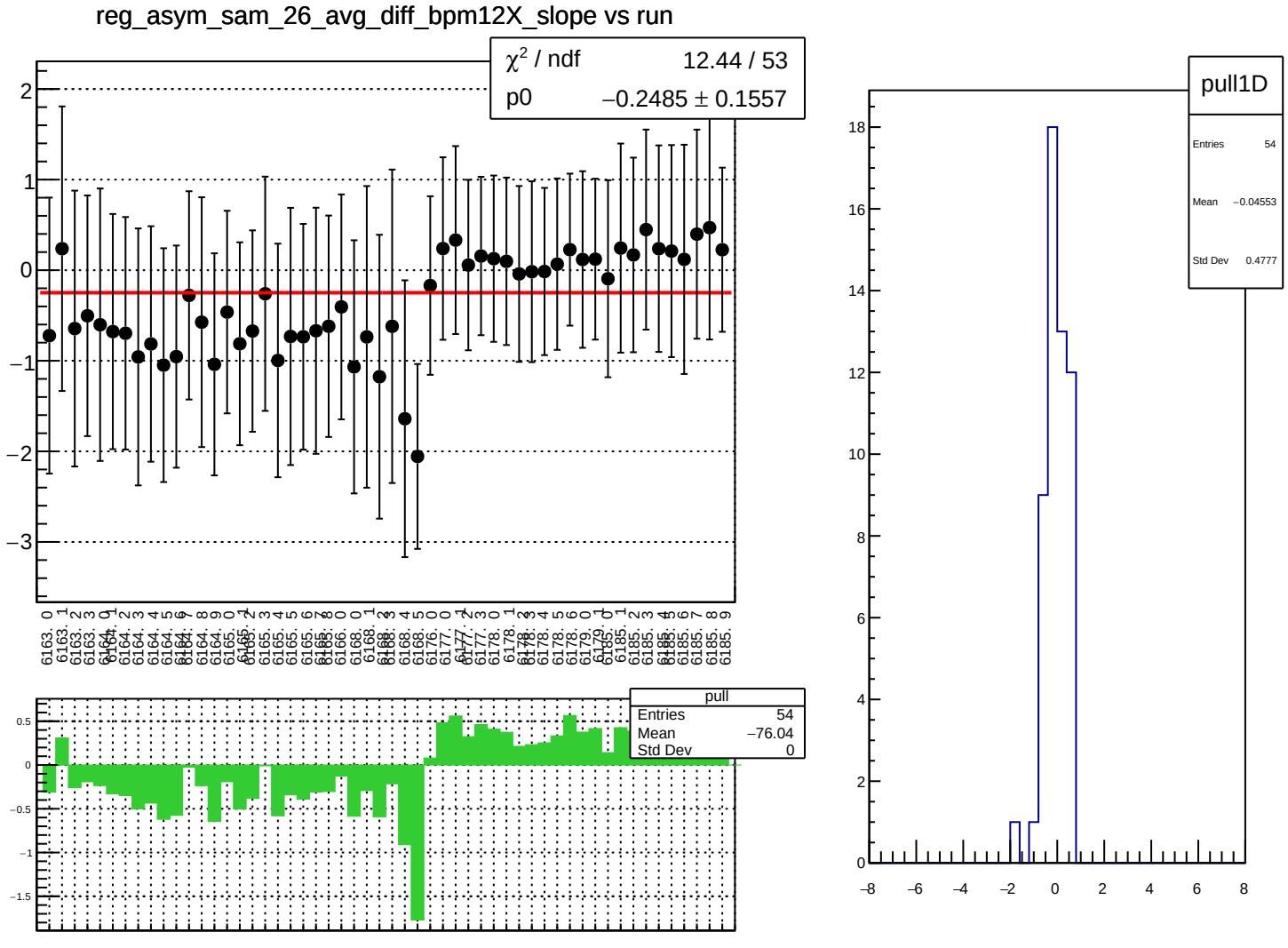

reg_asym_sam_26_avg_diff_bpm1X_slope vs run
χ² / ndf 5.24 / 53
p0 −3.196 ± 1.649
pull
Entries 54
Mean 134
Std Dev 0
pull1D
Entries 54
Mean 0.00744
Std Dev 0.3114

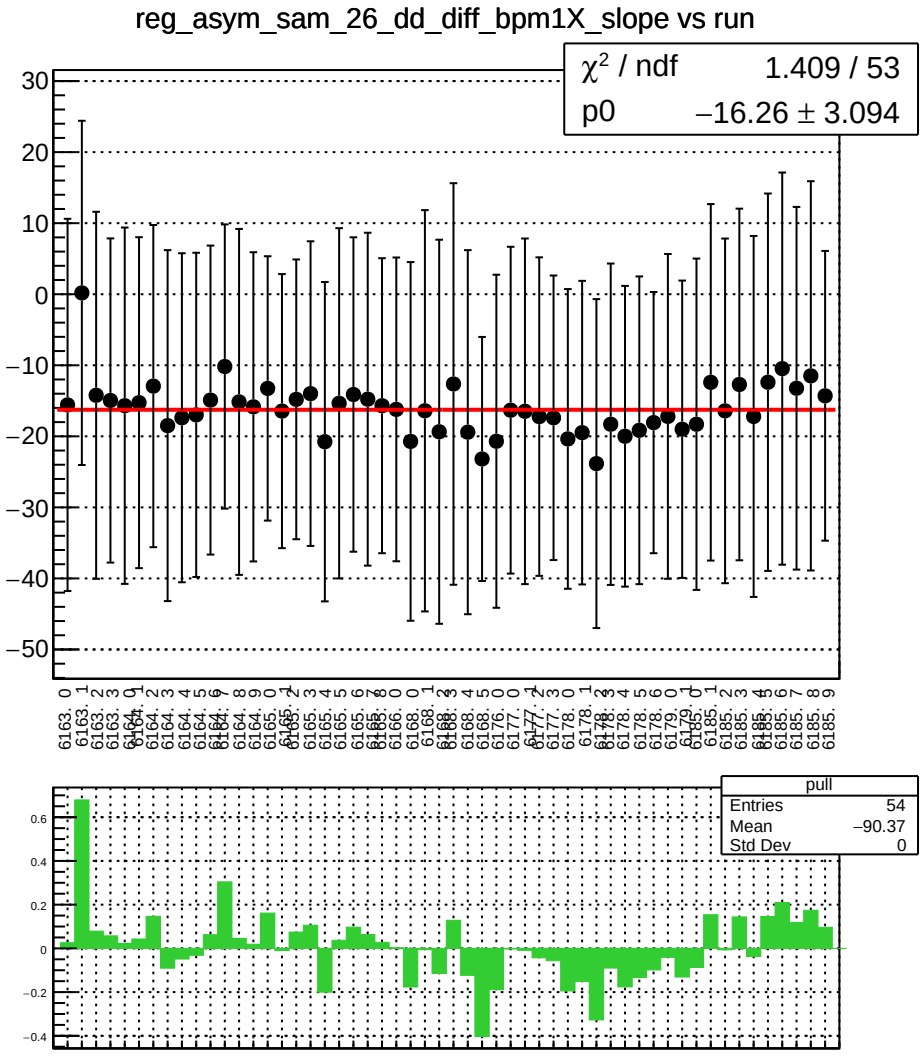

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 15.86 / 53
p0 12.08 ± 1.756
pull
Entries 54
Mean −40.09
Std Dev 0

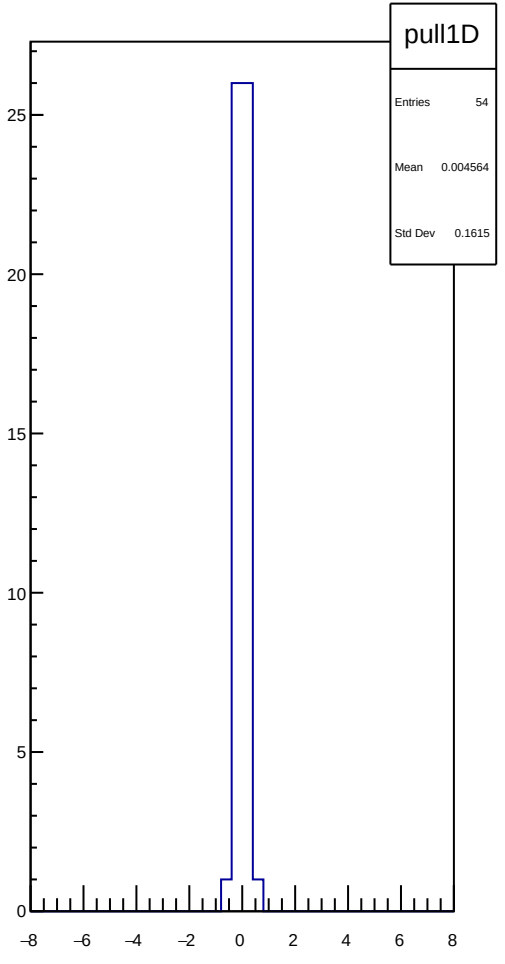

pull1D
Entries 54
Mean 0.09825
Std Dev 0.5329

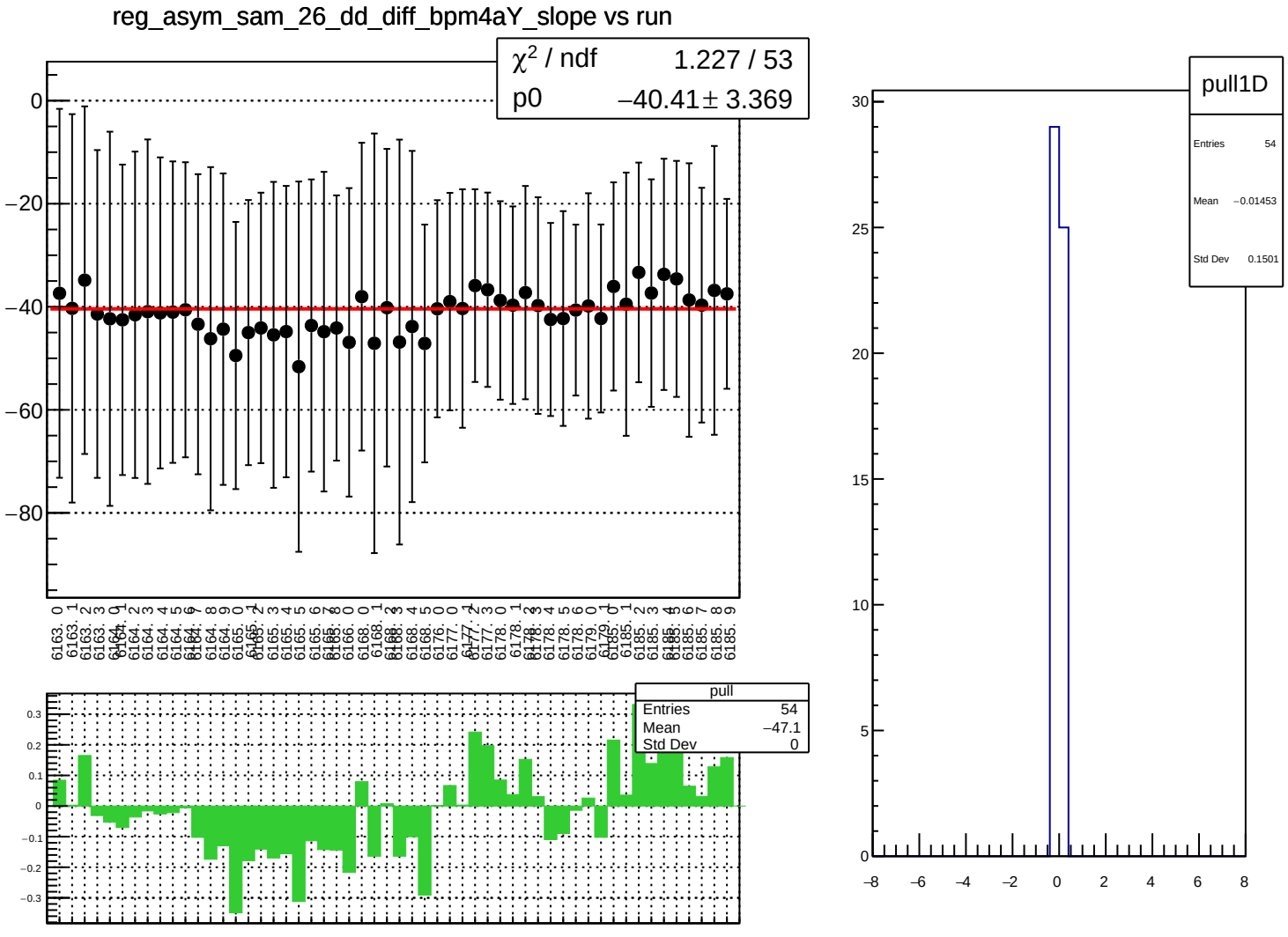

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ² / ndf 6.332 / 53
p0 −74.12 ± 1.915
pull
Entries 54
Mean 116
Std Dev 0
pull1D
Entries 54
Mean −0.00619
Std Dev 0.3424

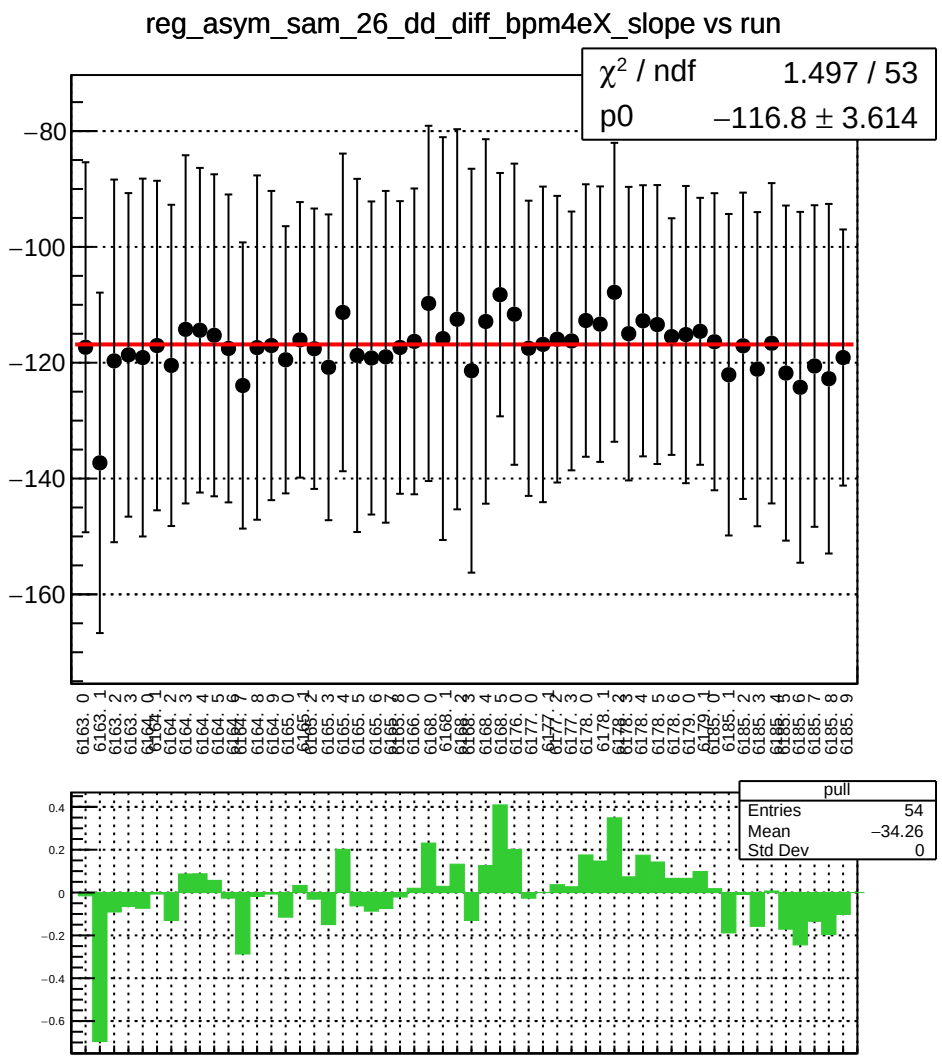

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 26.92 / 53
p0 −63.89 ± 1.97
pull
Entries 54
Mean −42.98
Std Dev 0
pull1D
Entries 54
Mean −0.1274
Std Dev 0.6945

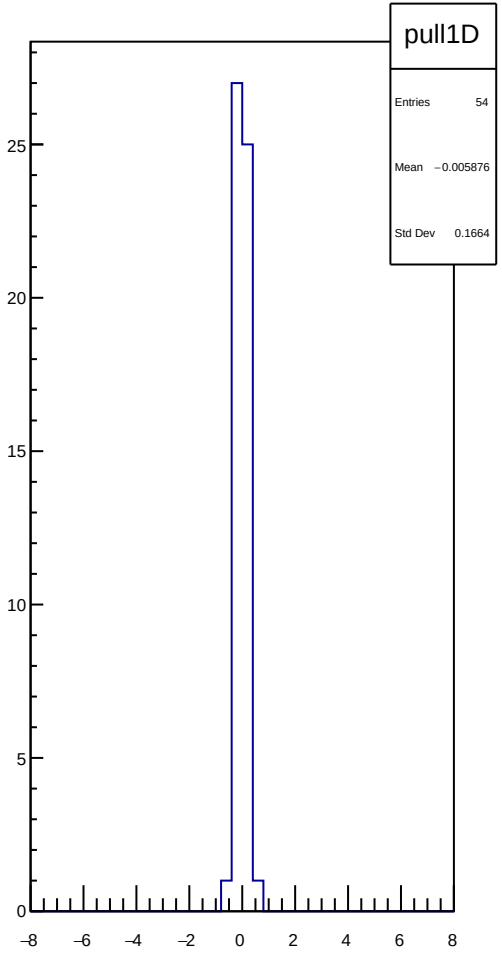

reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ² / ndf 12.44 / 53
p0 −0.2485 ± 0.1557
pull
Entries 54
Mean −76.04
Std Dev 0
pull1D
Entries 54
Mean −0.04553
Std Dev 0.4777

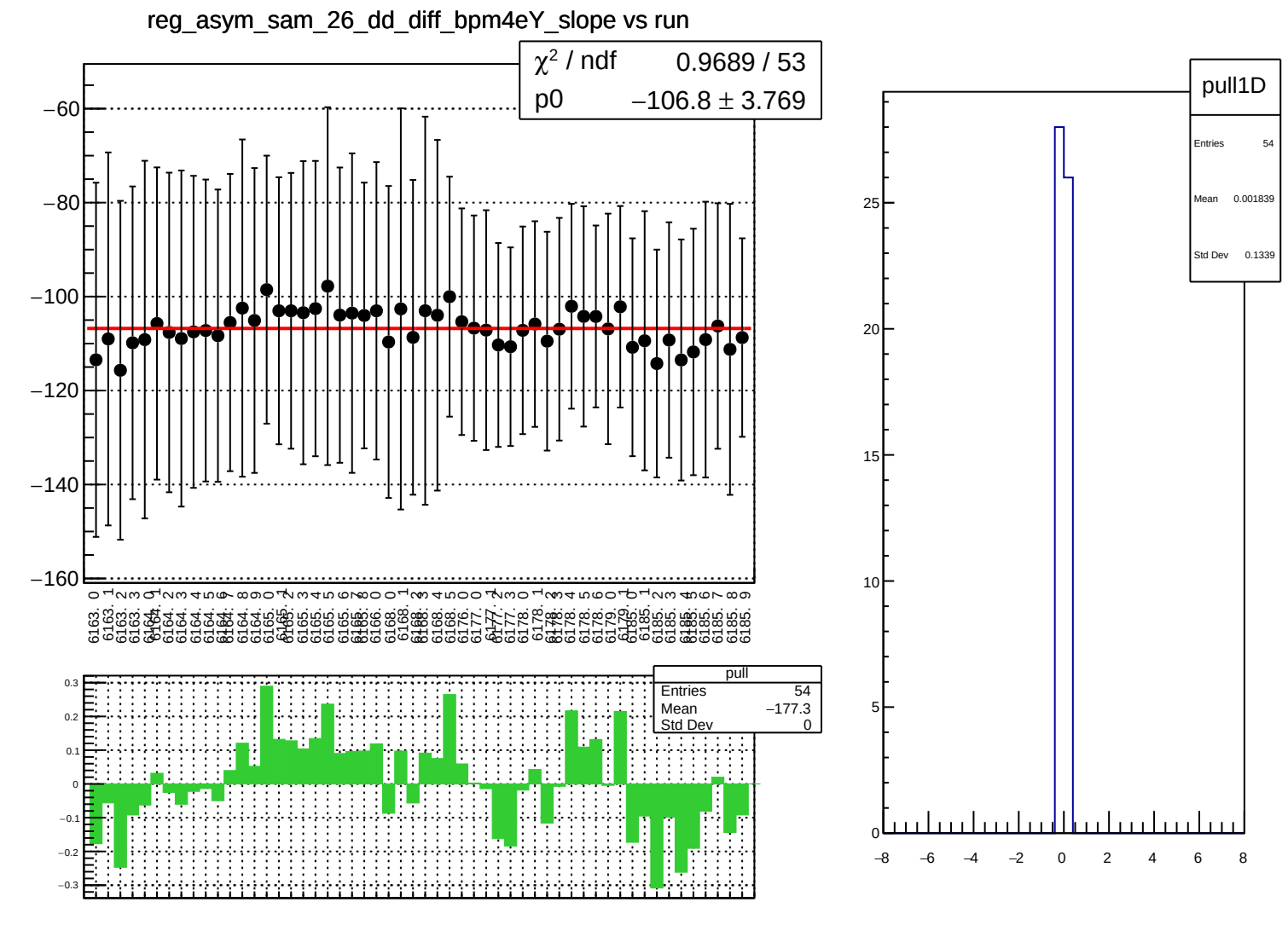

reg_asym_sam_26_dd_diff_bpm1X_slope vs run
χ² / ndf 1.409 / 53
p0 −16.26 ± 3.094
pull
Entries 54
Mean −90.37
Std Dev 0

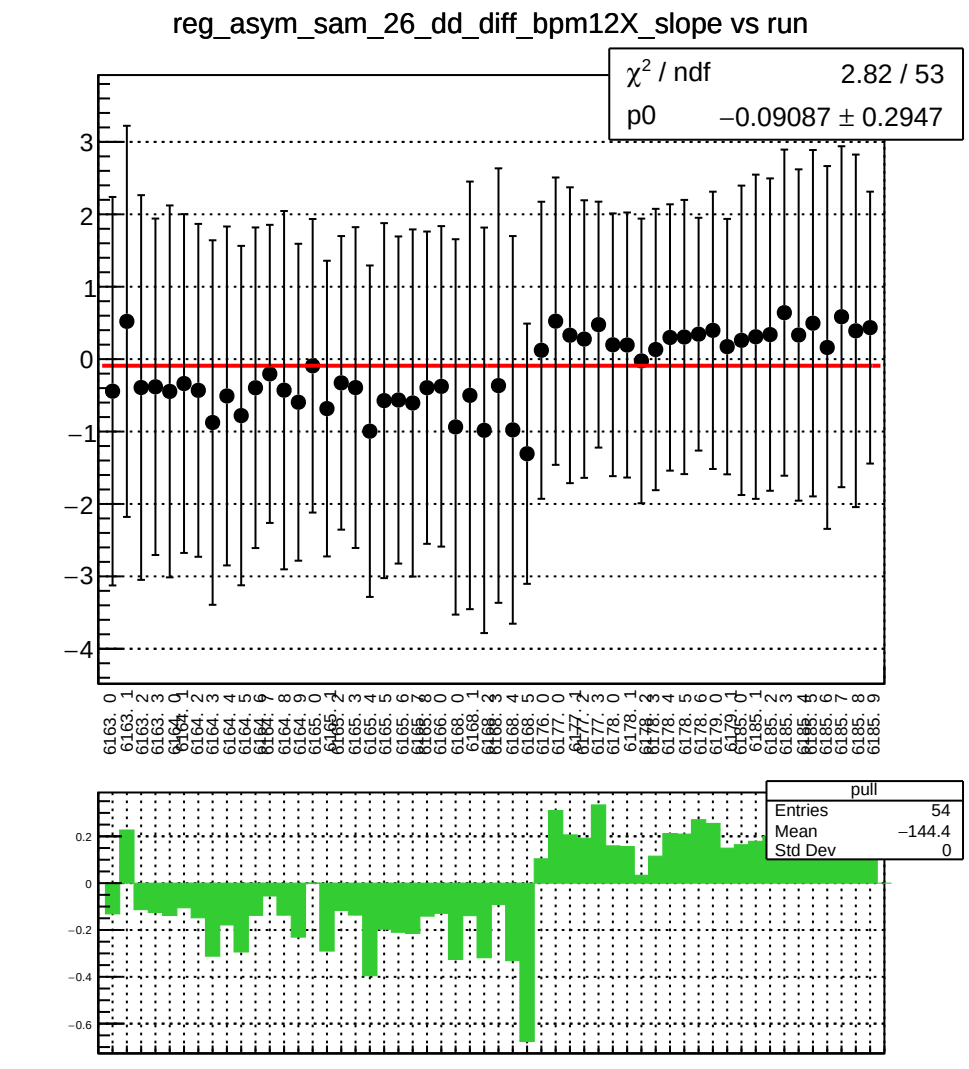

pull1D
Entries 54
Mean 0.004564
Std Dev 0.1615

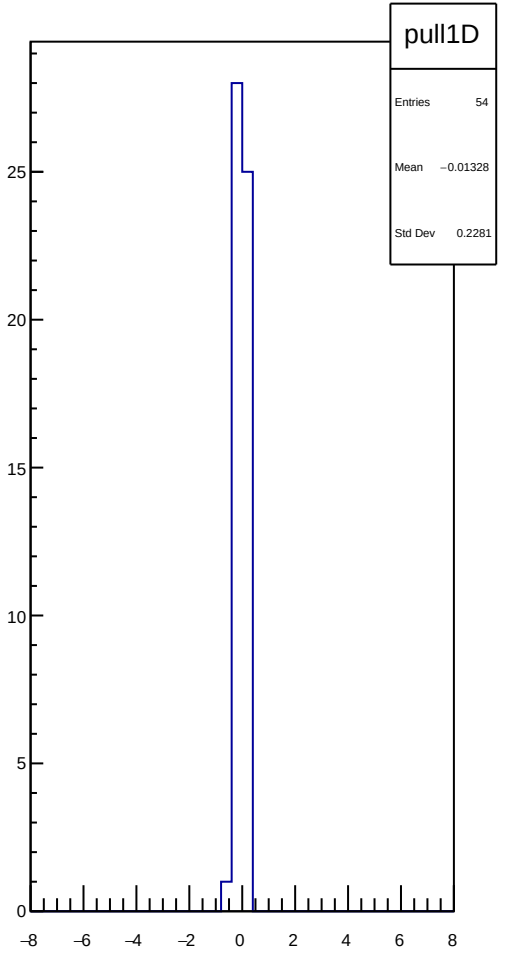

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 1.227 / 53
p0 −40.41 ± 3.369
pull
Entries 54
Mean −47.1
Std Dev 0
pull1D
Entries 54
Mean −0.01453
Std Dev 0.1501

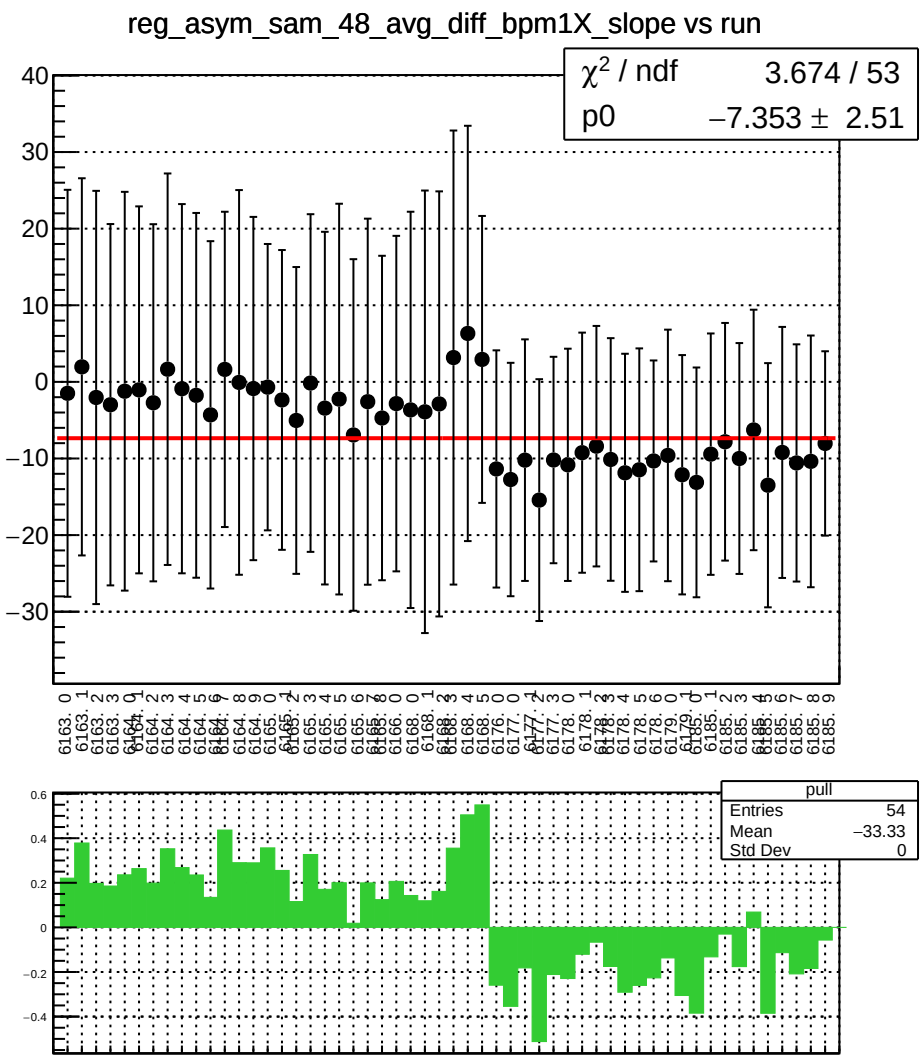

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 1.497 / 53
p0 −116.8 ± 3.614
−80
−100
−120
−140
−160
pull
Entries 54
Mean −34.26
Std Dev 0
0.4
0.2
0
−0.2
−0.4
−0.6

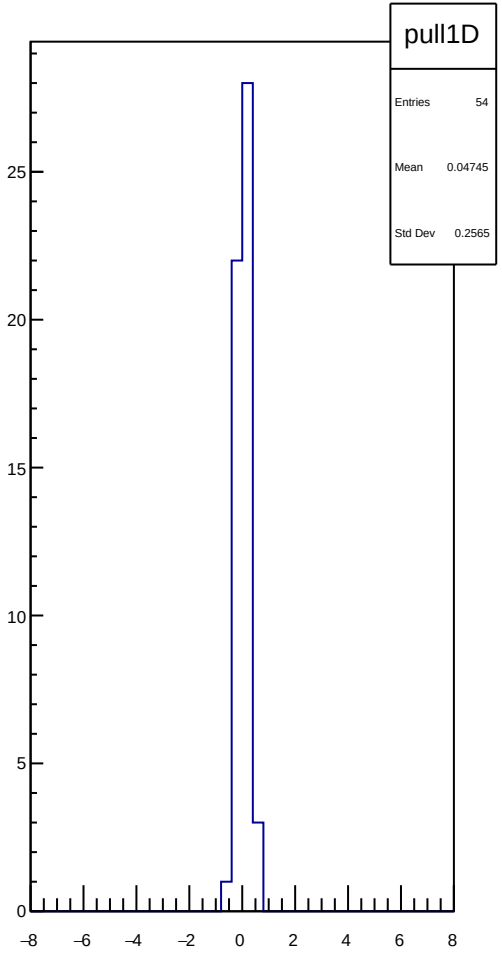

pull1D
Entries 54
Mean −0.005876
Std Dev 0.1664
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

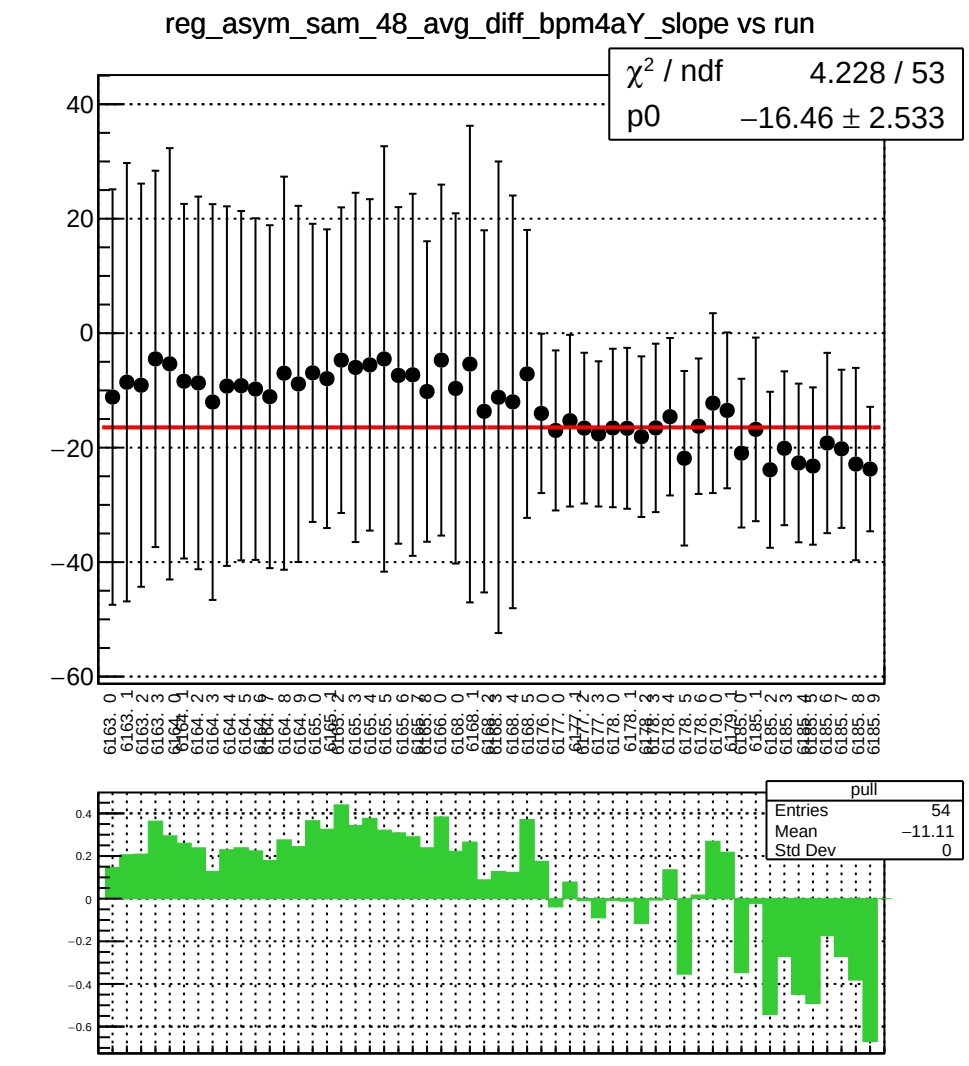

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 0.9689 / 53
p0 −106.8 ± 3.769
pull
Entries 54
Mean −177.3
Std Dev 0
pull1D
Entries 54
Mean 0.001839
Std Dev 0.1339

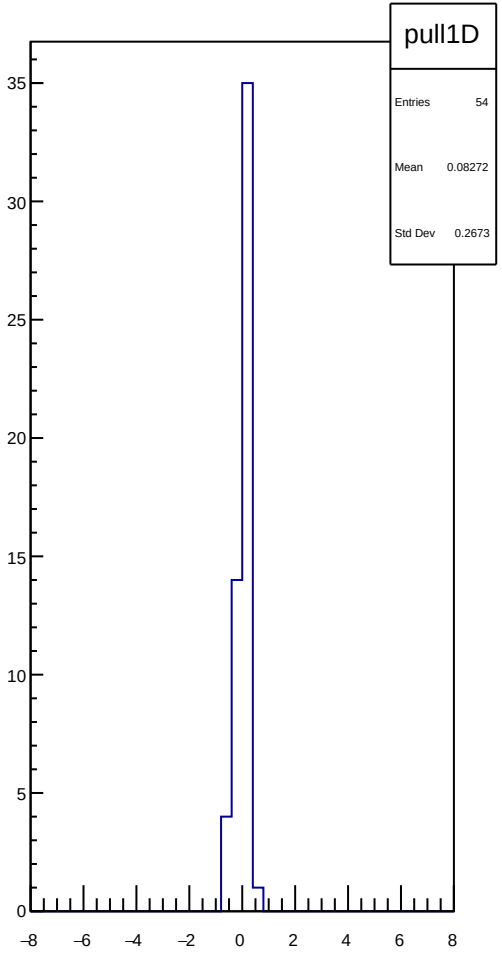

reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ² / ndf 2.82 / 53
p0 −0.09087 ± 0.2947
pull
Entries 54
Mean −144.4
Std Dev 0

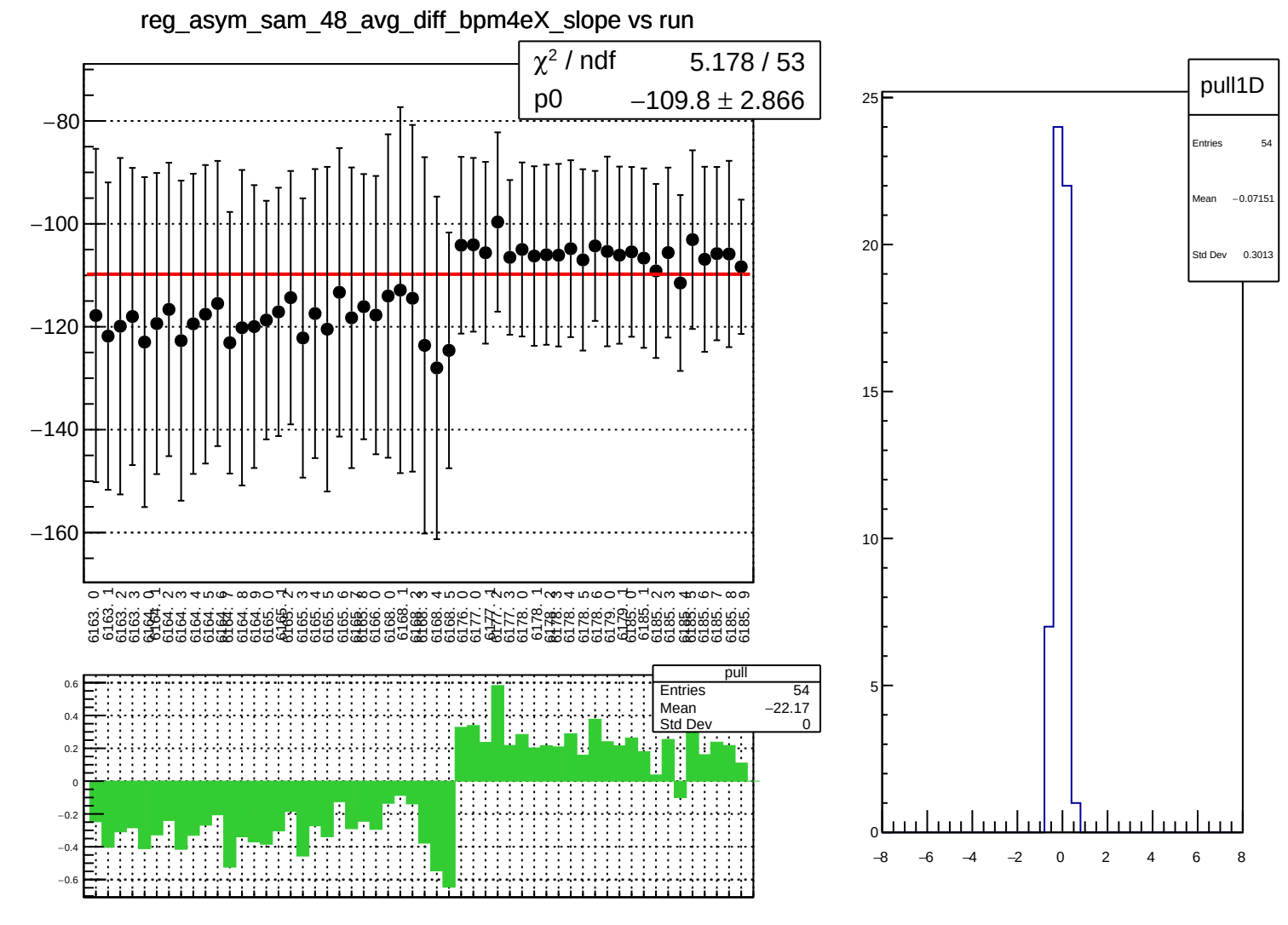

pull1D
Entries 54
Mean −0.01328
Std Dev 0.2281

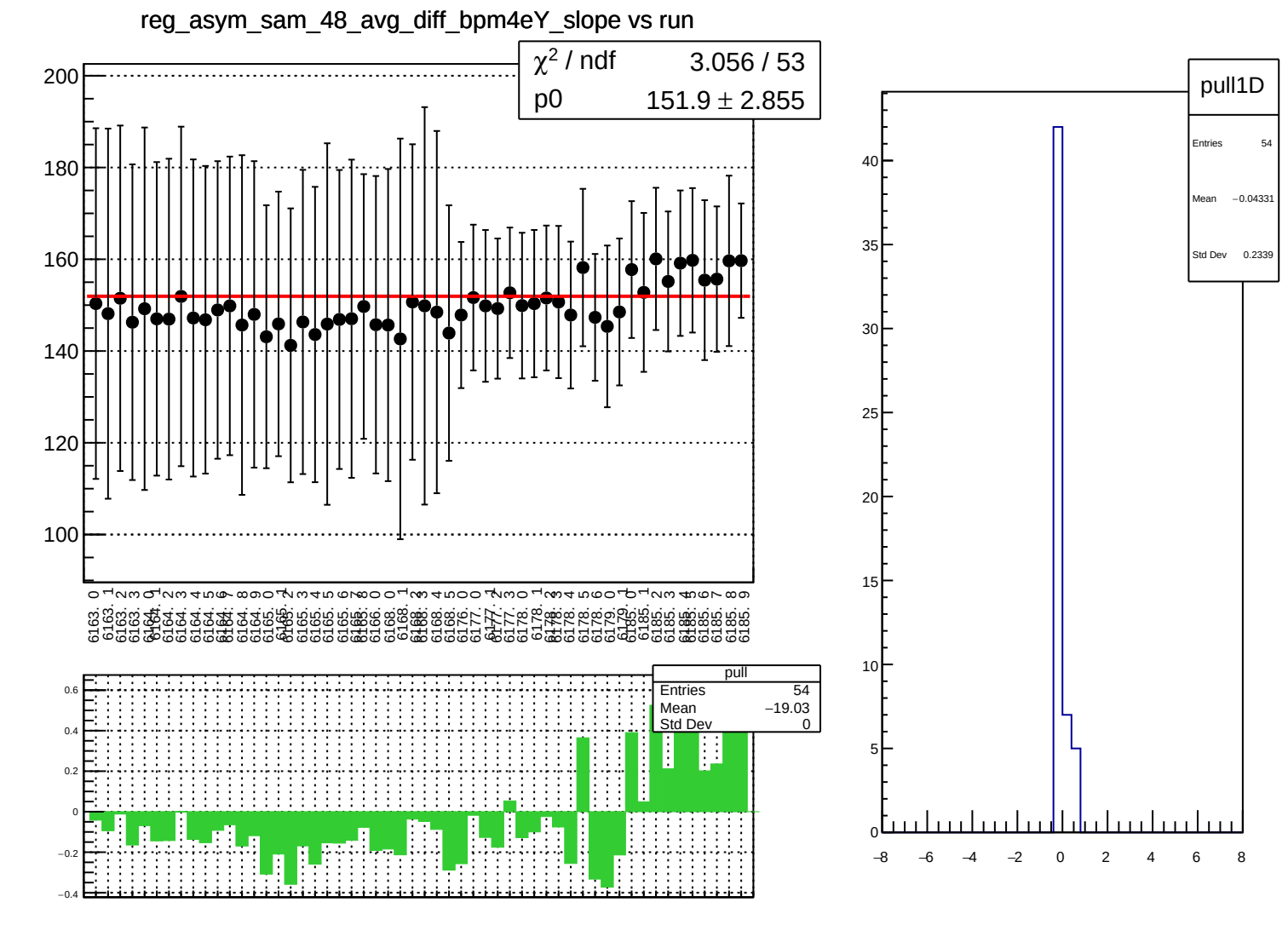

reg_asym_sam_48_avg_diff_bpm1X_slope vs run
χ² / ndf 3.674 / 53
p0 −7.353 ± 2.51
pull
Entries 54
Mean −33.33
Std Dev 0

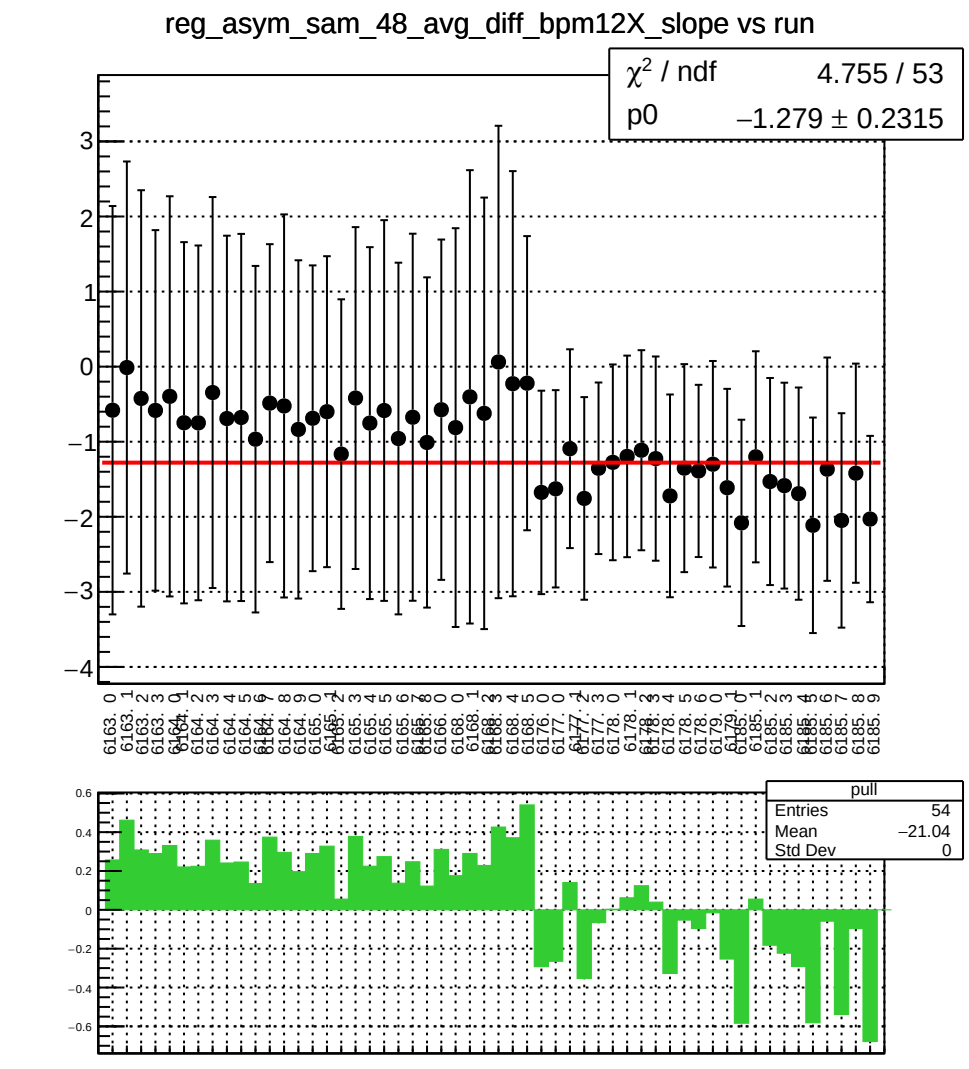

pull1D
Entries 54
Mean 0.04745
Std Dev 0.2565

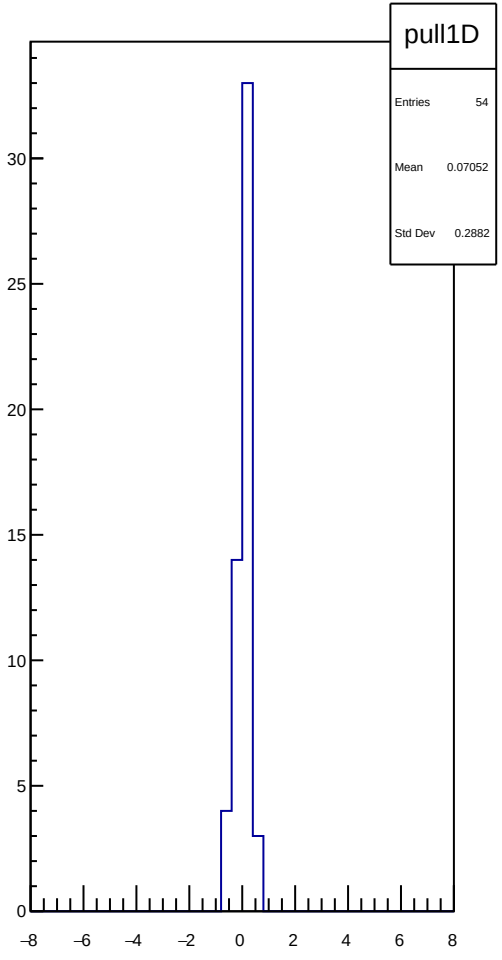

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 4.228 / 53
p0 −16.46 ± 2.533
pull
Entries 54
Mean −11.11
Std Dev 0

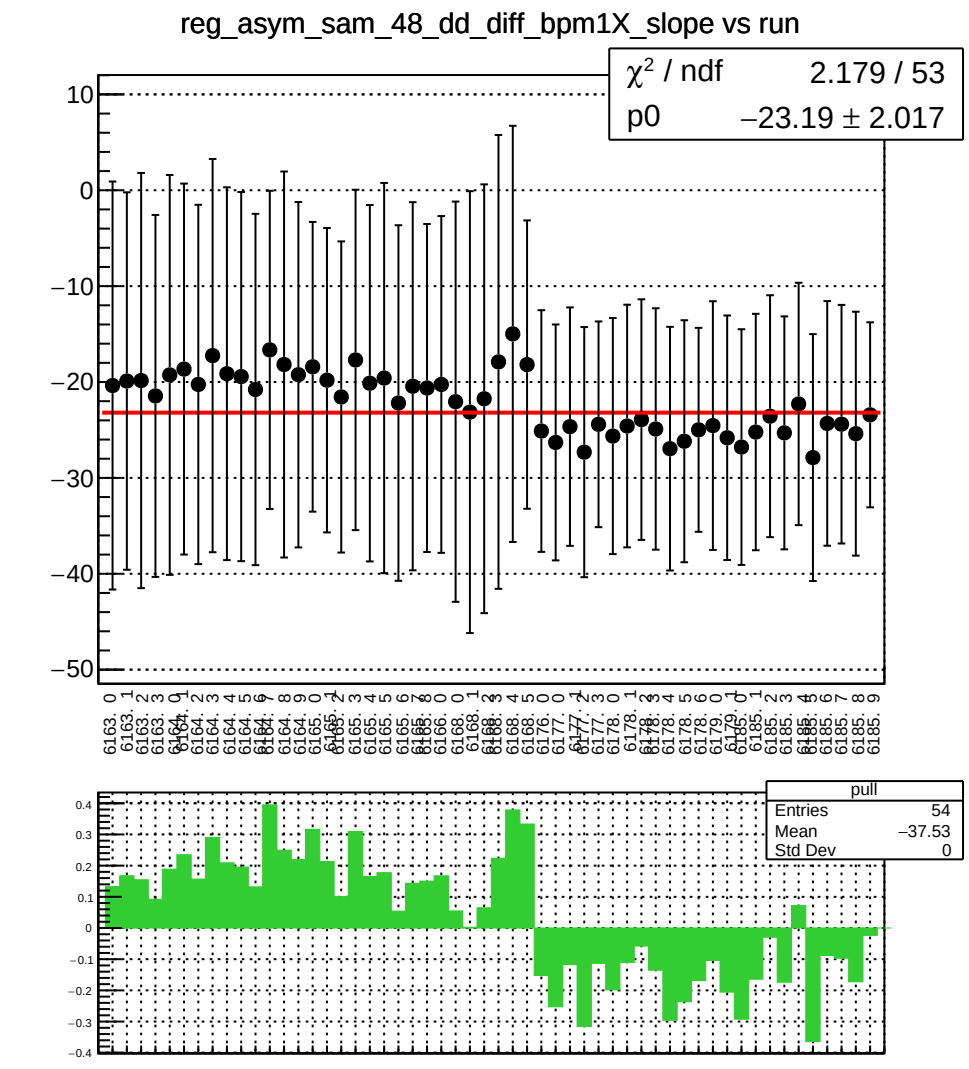

pull1D
Entries 54
Mean 0.08272
Std Dev 0.2673

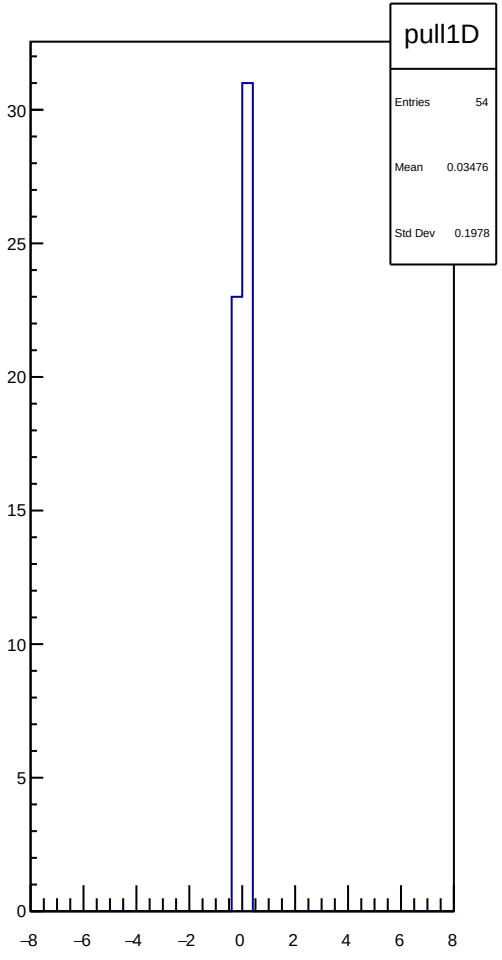

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 5.178 / 53
p0 −109.8 ± 2.866
pull
Entries 54
Mean −22.17
Std Dev 0
pull1D
Entries 54
Mean −0.07151
Std Dev 0.3013

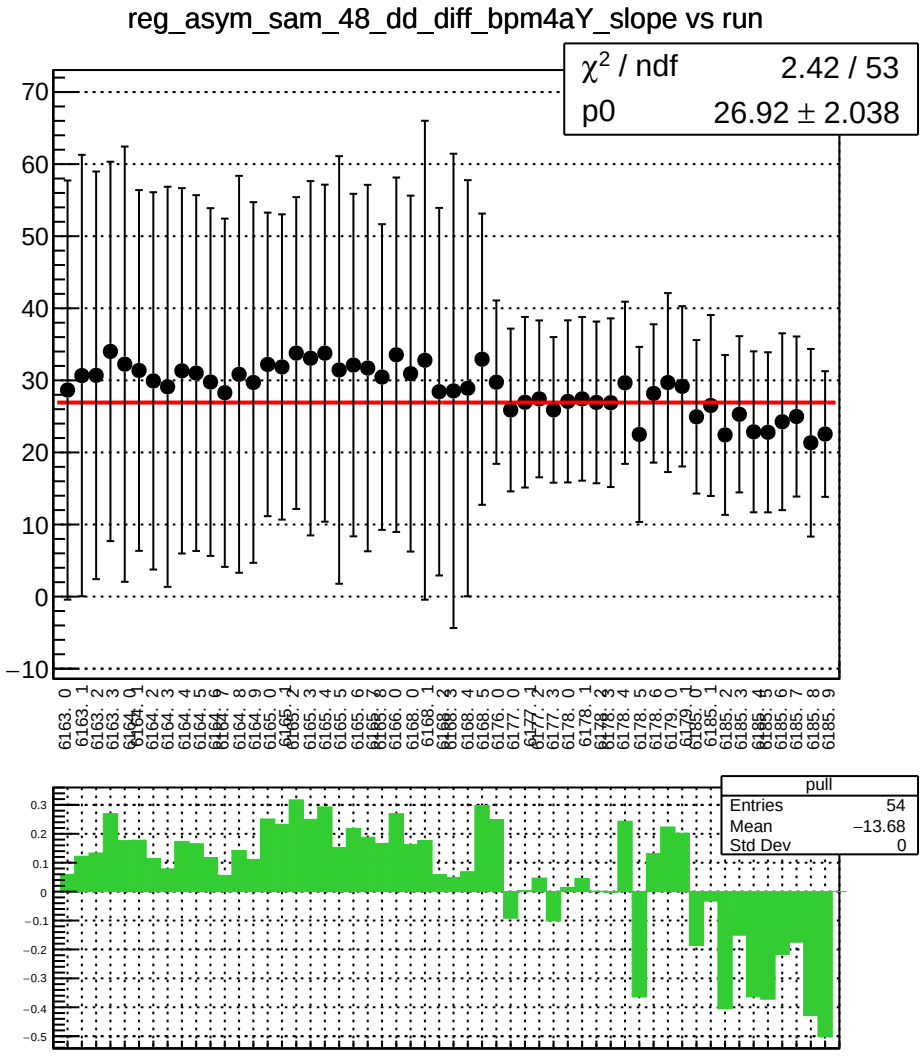

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ² / ndf 3.056 / 53
p0 151.9 ± 2.855
pull
Entries 54
Mean −19.03
Std Dev 0
pull1D
Entries 54
Mean −0.04331
Std Dev 0.2339

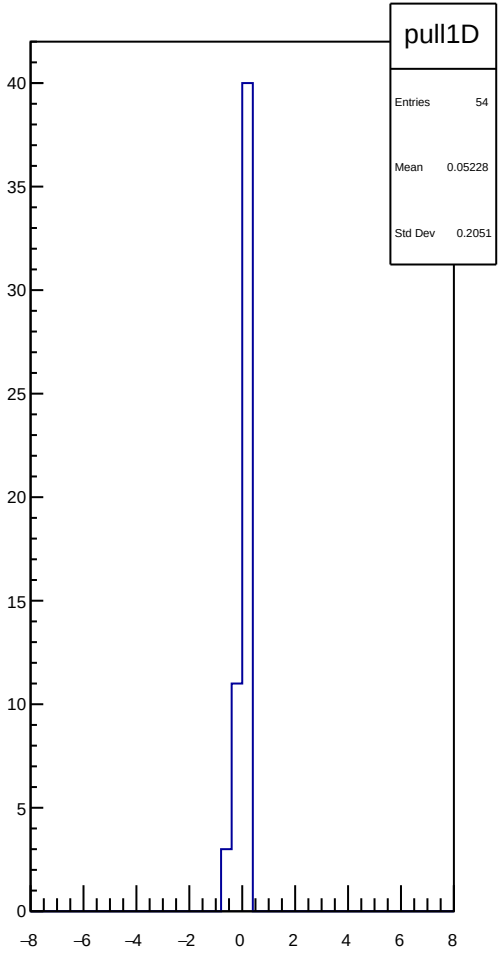

reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ² / ndf 4.755 / 53
p0 −1.279 ± 0.2315
pull
Entries 54
Mean −21.04
Std Dev 0

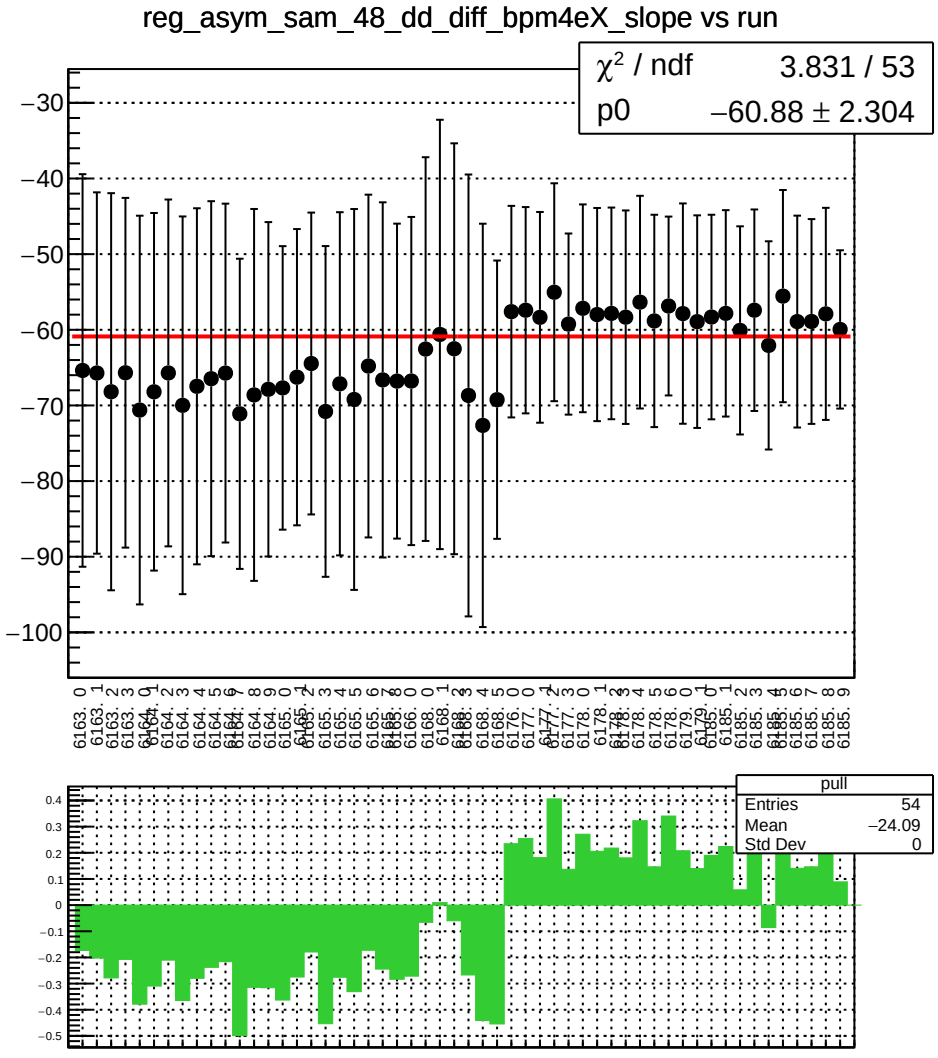

pull1D
Entries 54
Mean 0.07052
Std Dev 0.2882

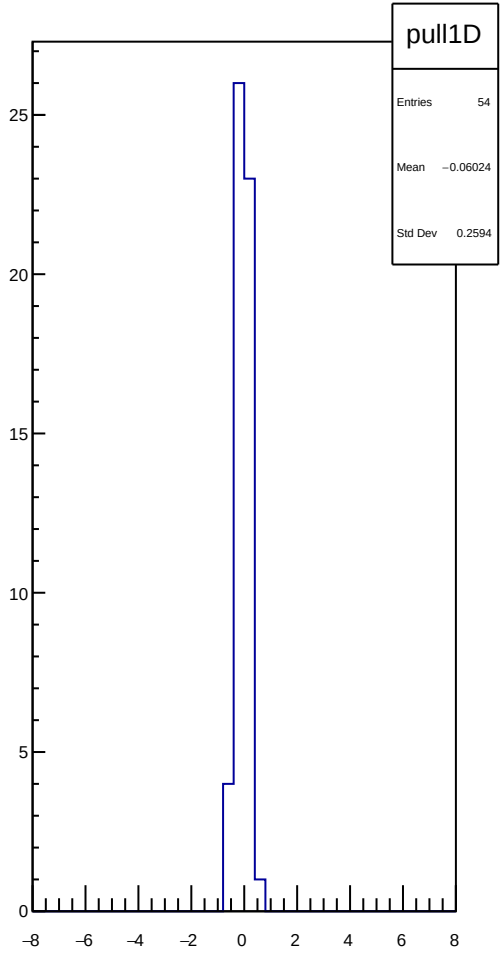

reg_asym_sam_48_dd_diff_bpm1X_slope vs run
χ² / ndf 2.179 / 53
p0 −23.19 ± 2.017
pull
Entries 54
Mean −37.53
Std Dev 0

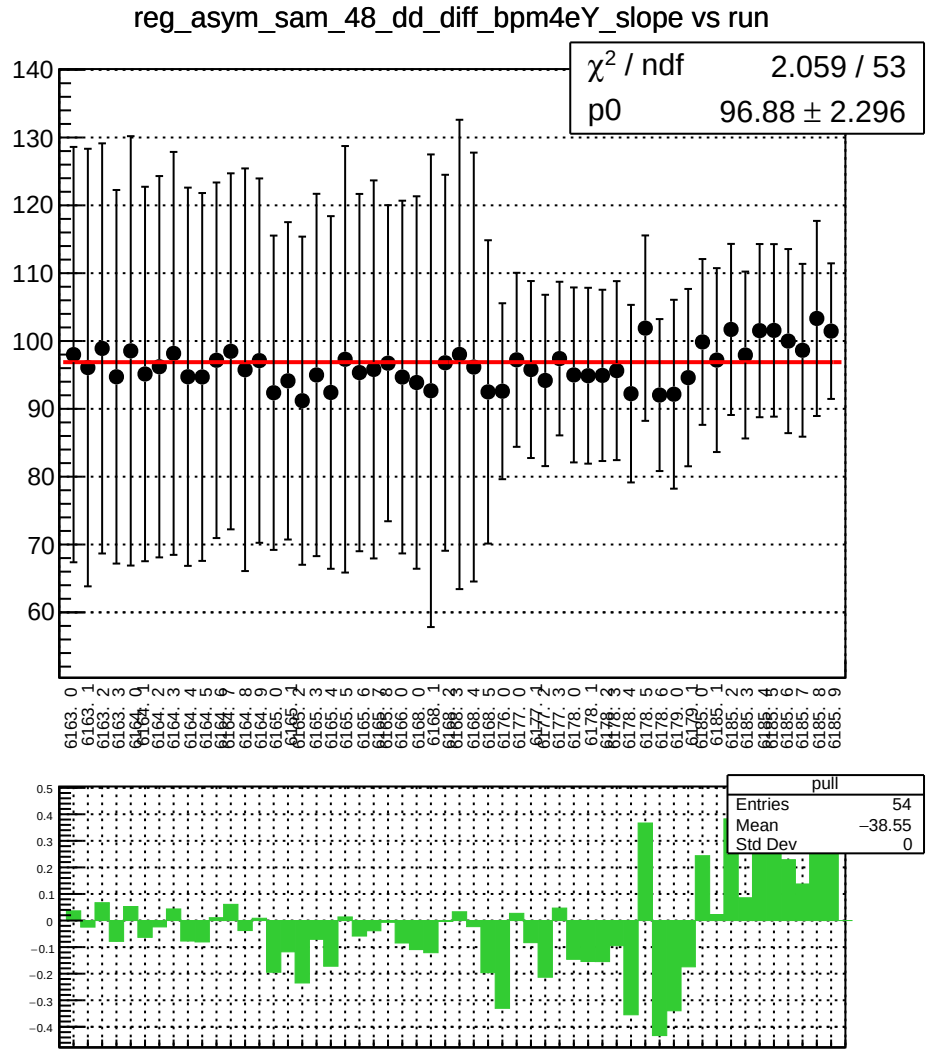

pull1D
Entries 54
Mean 0.03476
Std Dev 0.1978

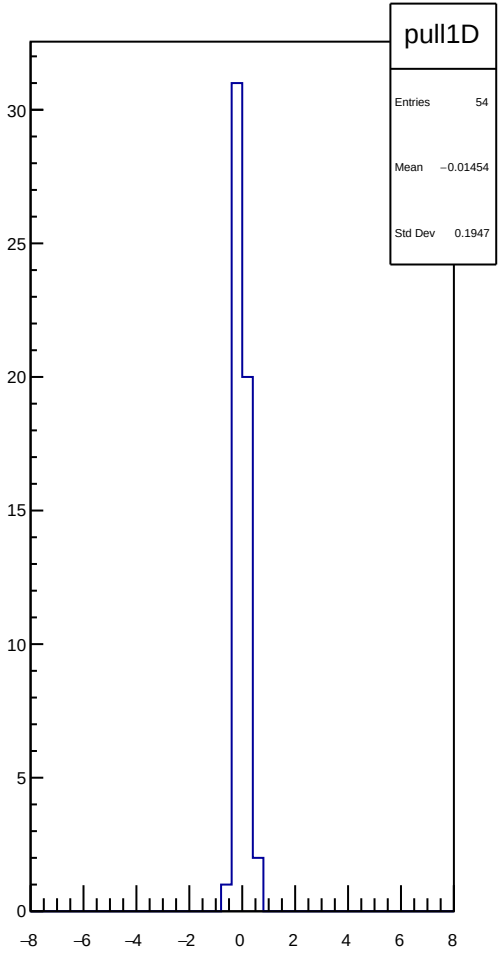

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 2.42 / 53
p0 26.92 ± 2.038
pull
Entries 54
Mean −13.68
Std Dev 0

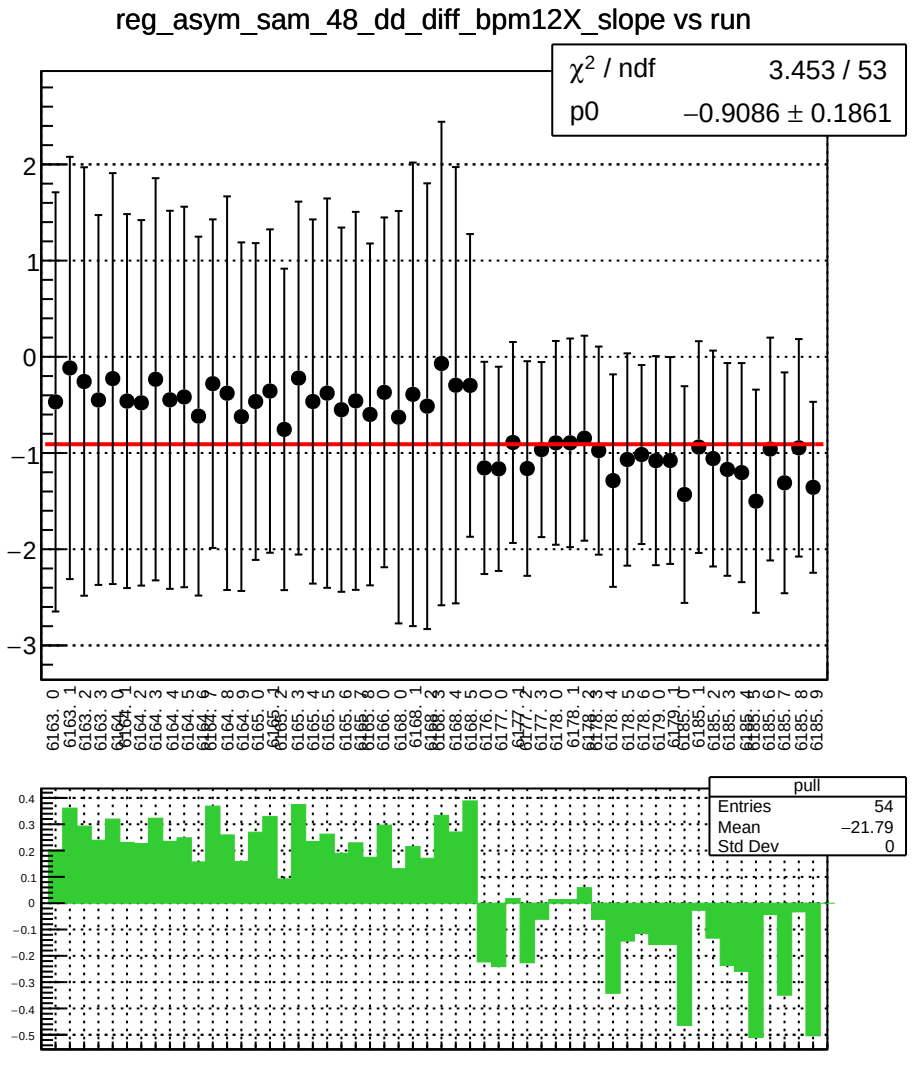

pull1D
Entries 54
Mean 0.05228
Std Dev 0.2051

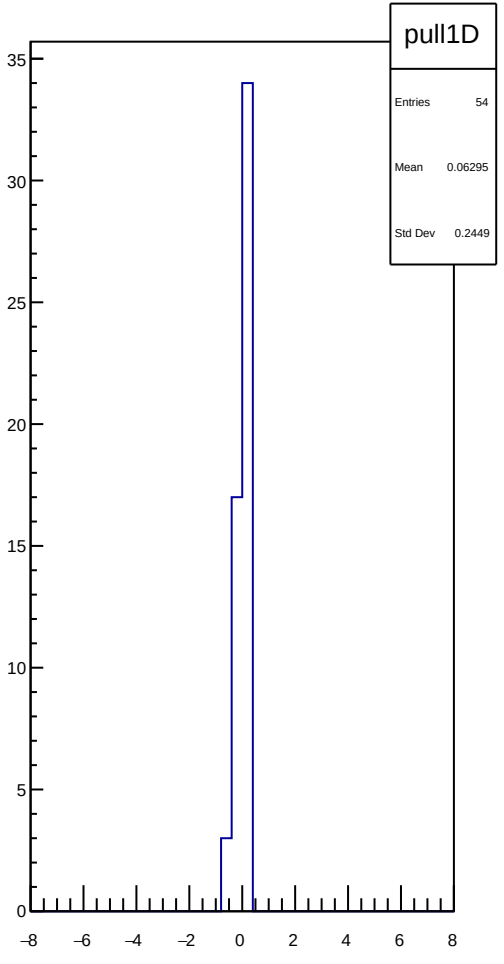

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 3.831 / 53
p0 −60.88 ± 2.304
pull
Entries 54
Mean −24.09
Std Dev 0

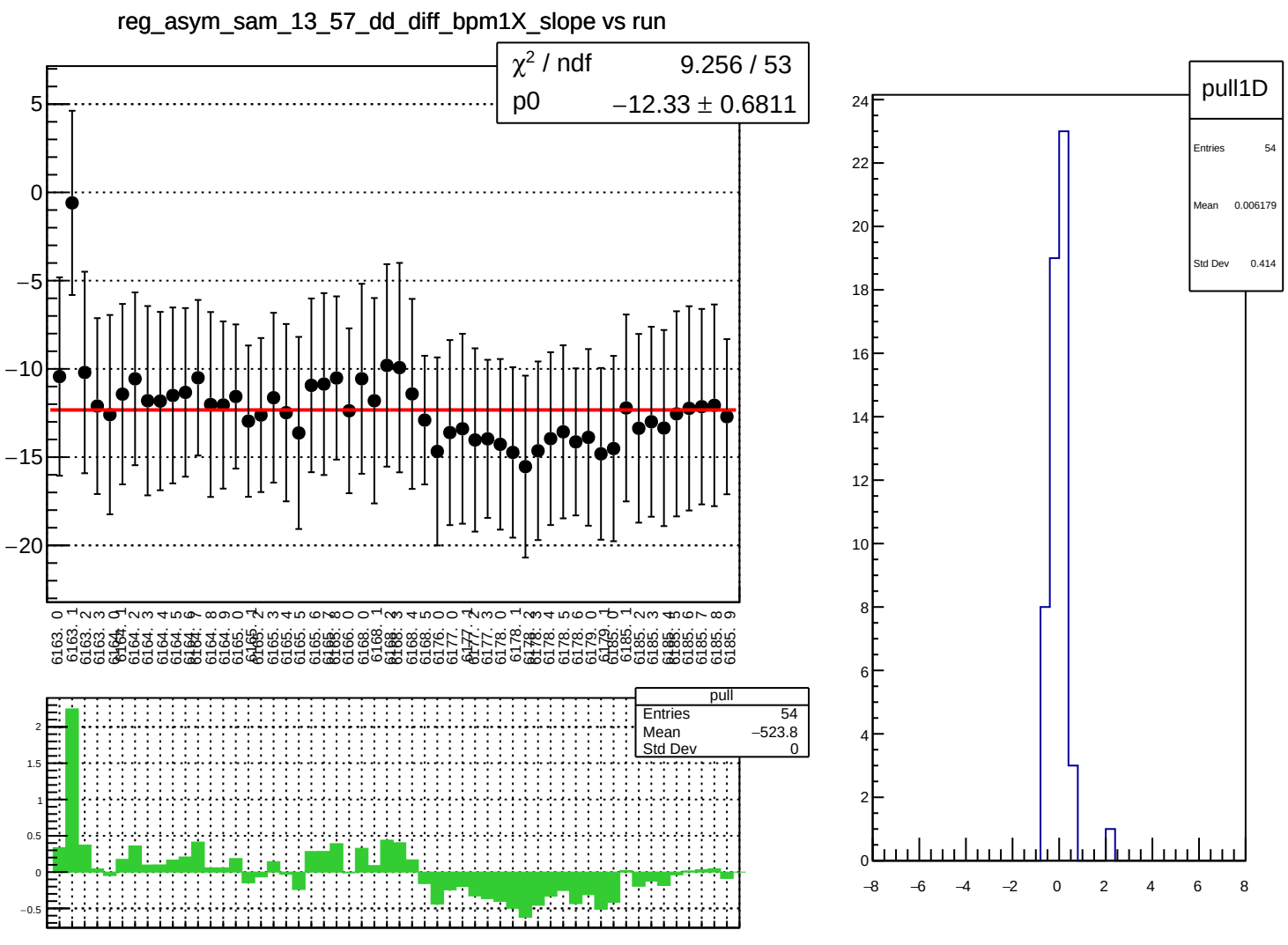

pull1D
Entries 54
Mean −0.06024
Std Dev 0.2594

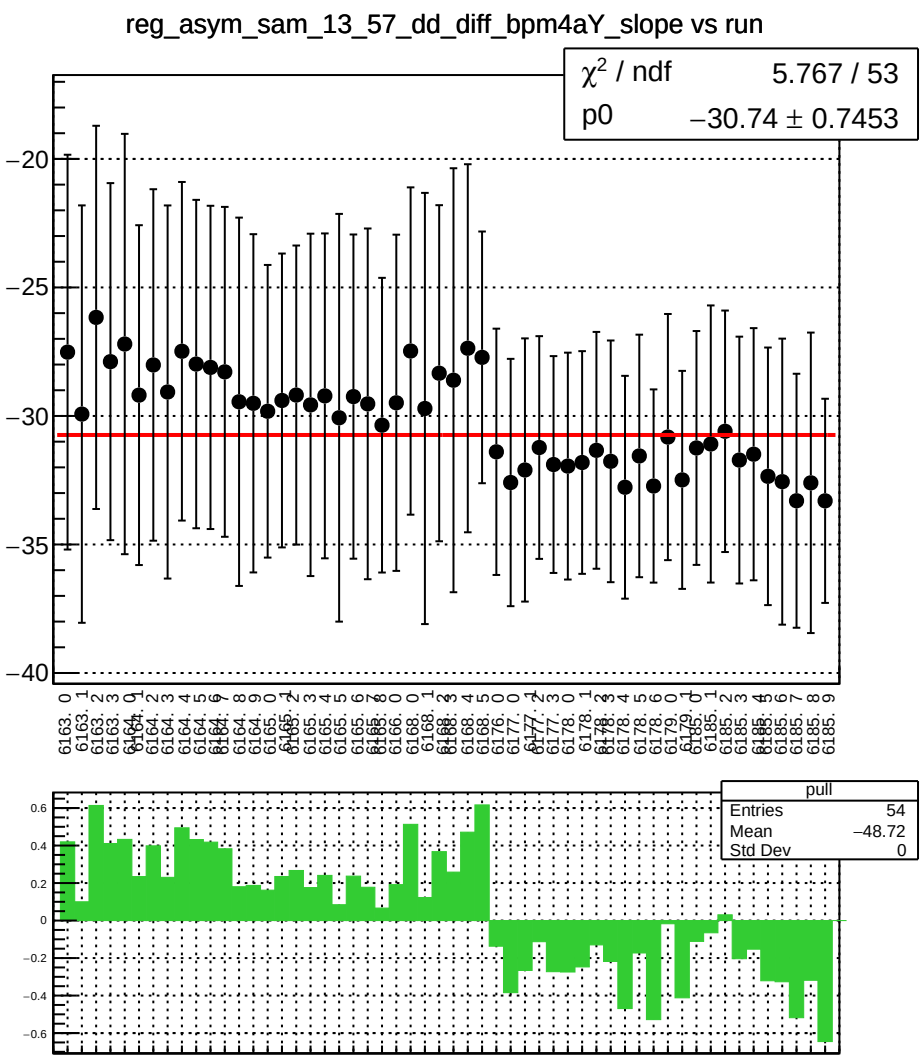

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 2.059 / 53
p0 96.88 ± 2.296
pull
Entries 54
Mean −38.55
Std Dev 0

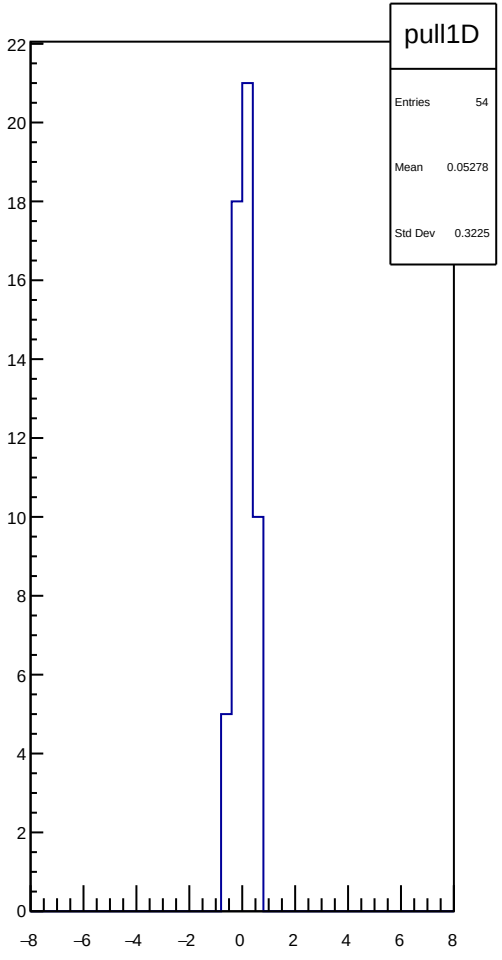

pull1D
Entries 54
Mean −0.01454
Std Dev 0.1947

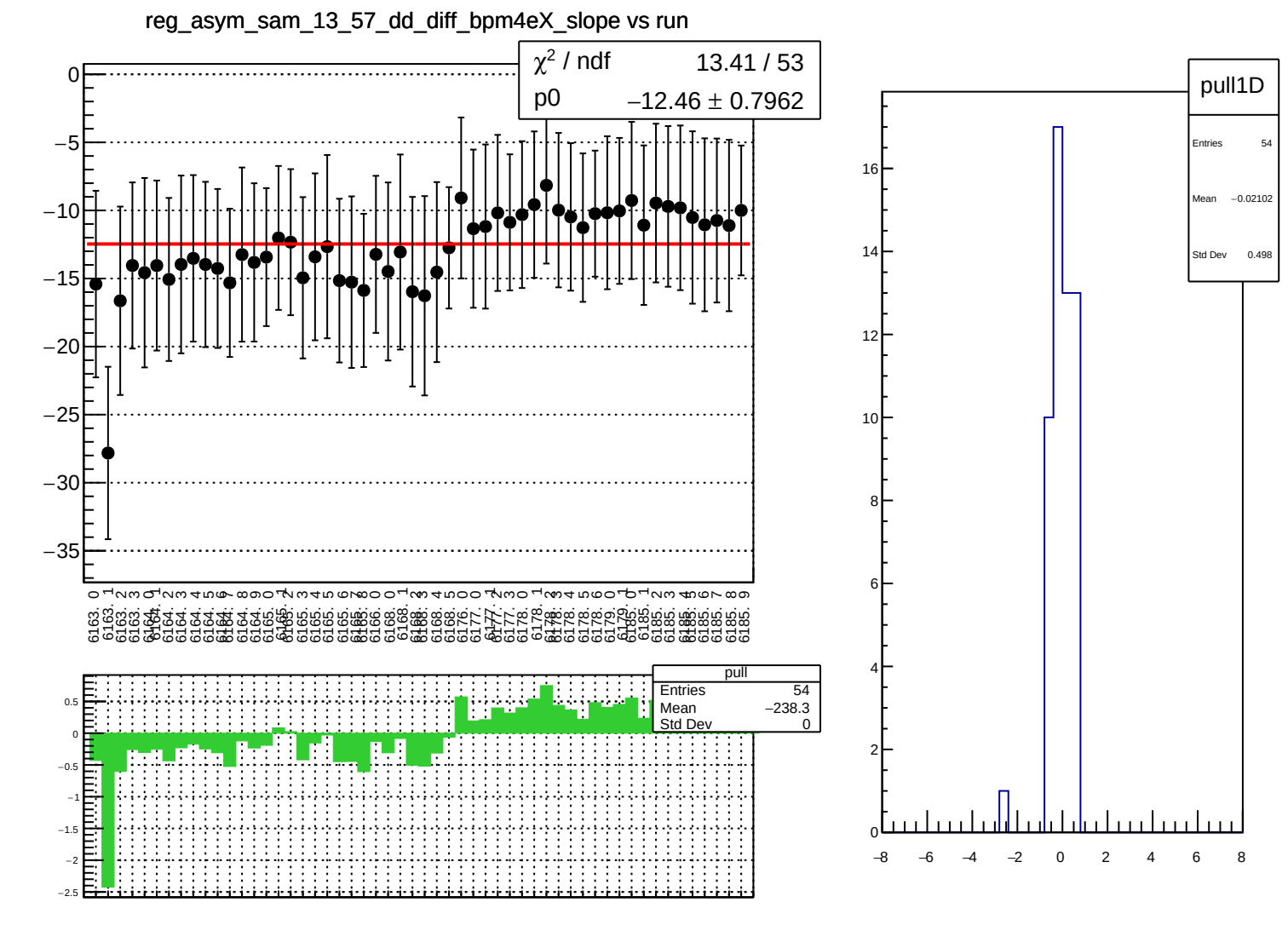

reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ² / ndf 3.453 / 53
p0 −0.9086 ± 0.1861
pull
Entries 54
Mean −21.79
Std Dev 0

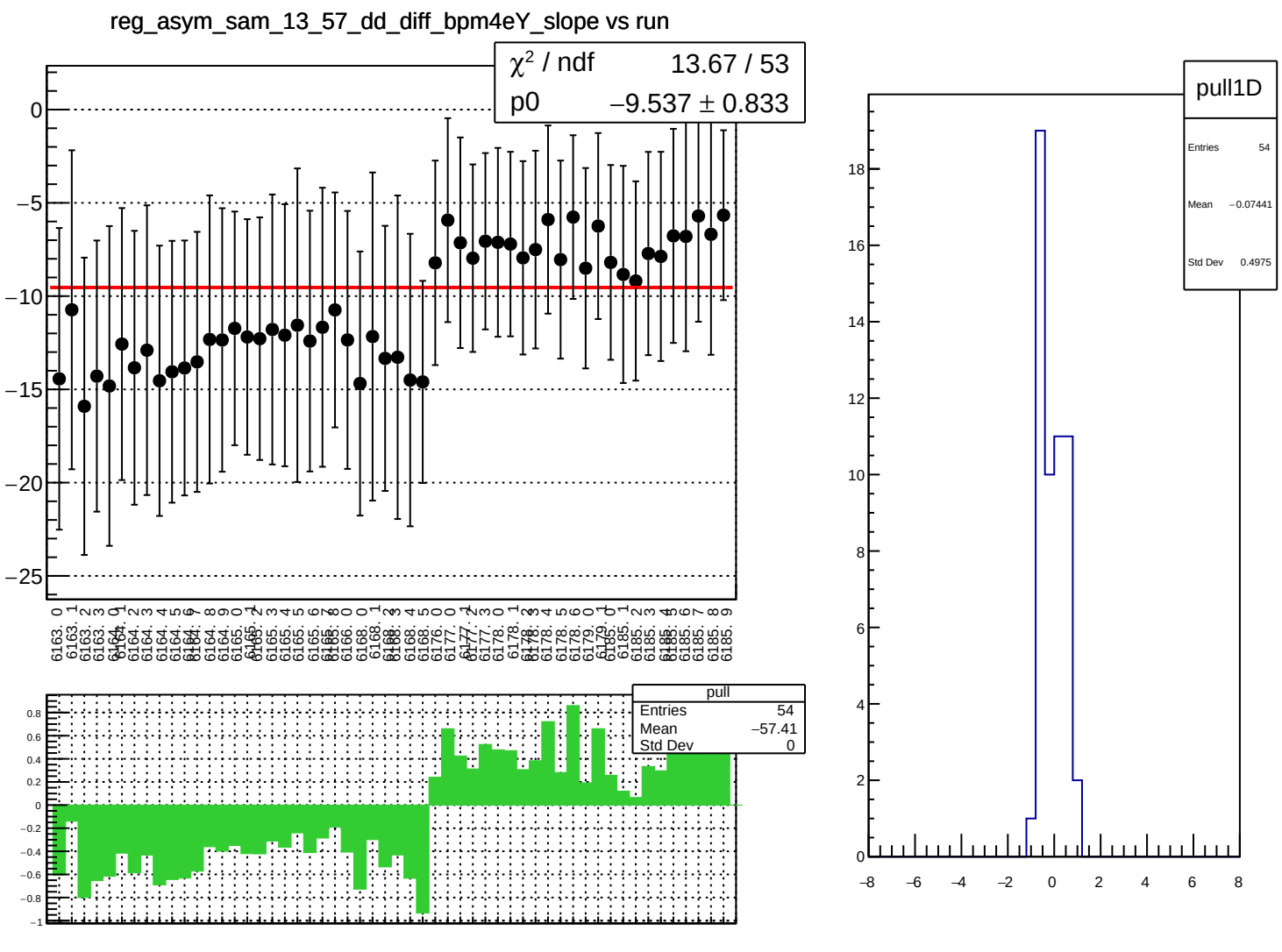

pull1D
Entries 54
Mean 0.06295
Std Dev 0.2449

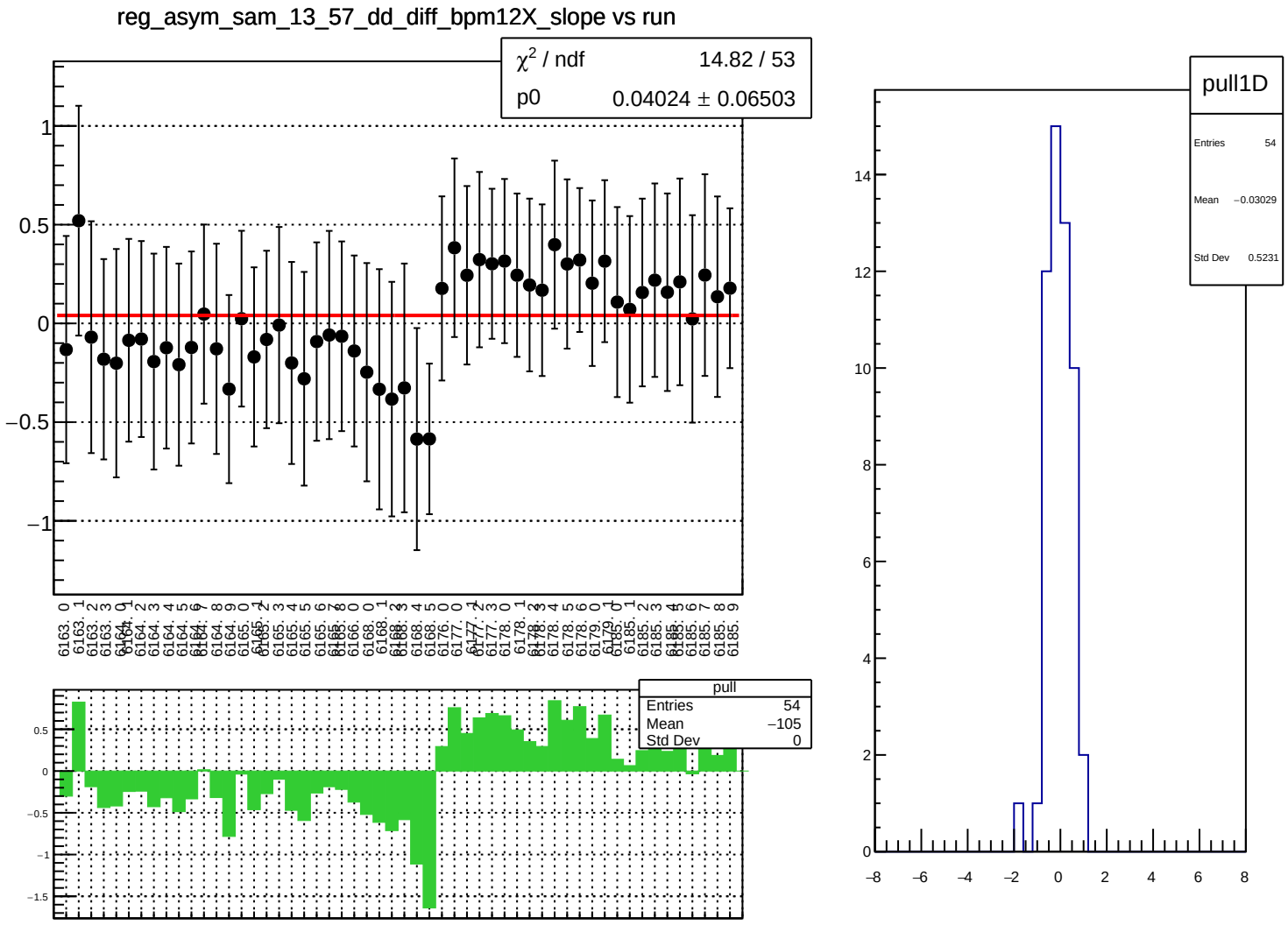

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs run
χ² / ndf 9.256 / 53
p0 −12.33 ± 0.6811
pull
Entries 54
Mean −523.8
Std Dev 0
pull1D
Entries 54
Mean 0.006179
Std Dev 0.414

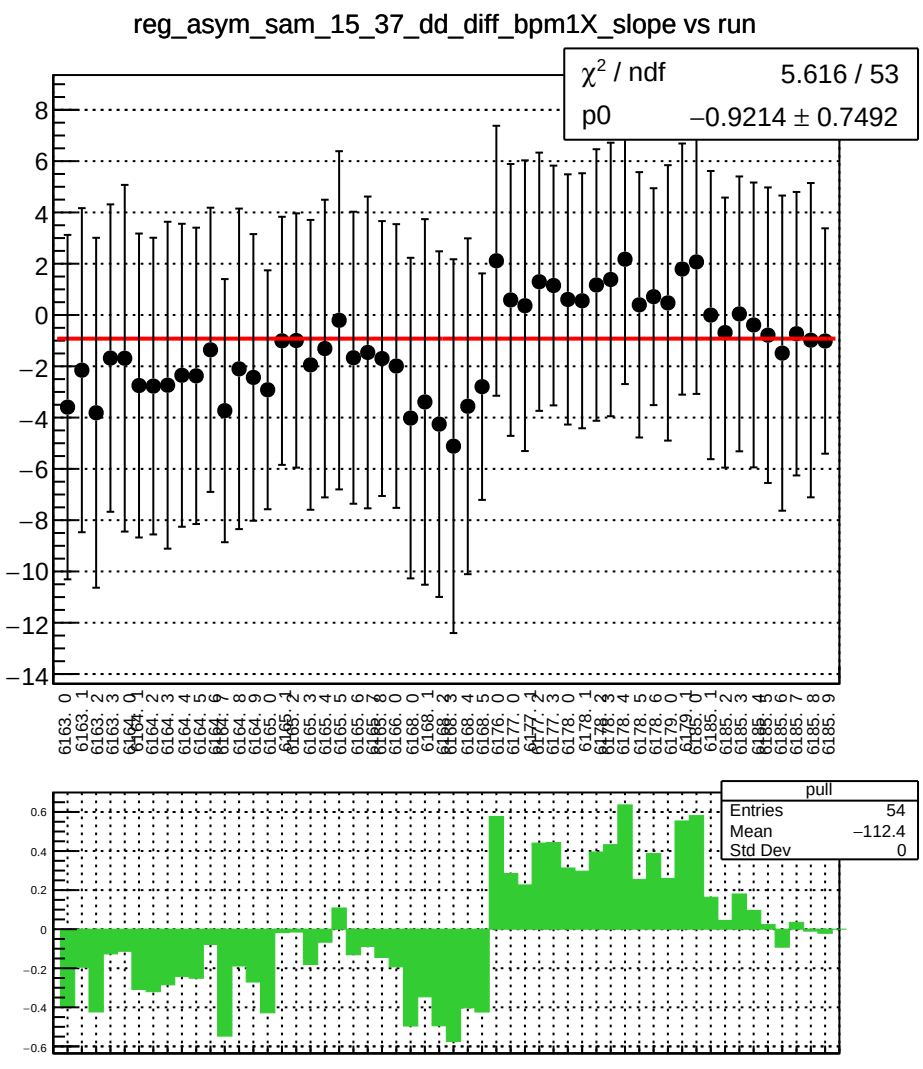

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ² / ndf 5.767 / 53
p0 −30.74 ± 0.7453
pull
Entries 54
Mean −48.72
Std Dev 0

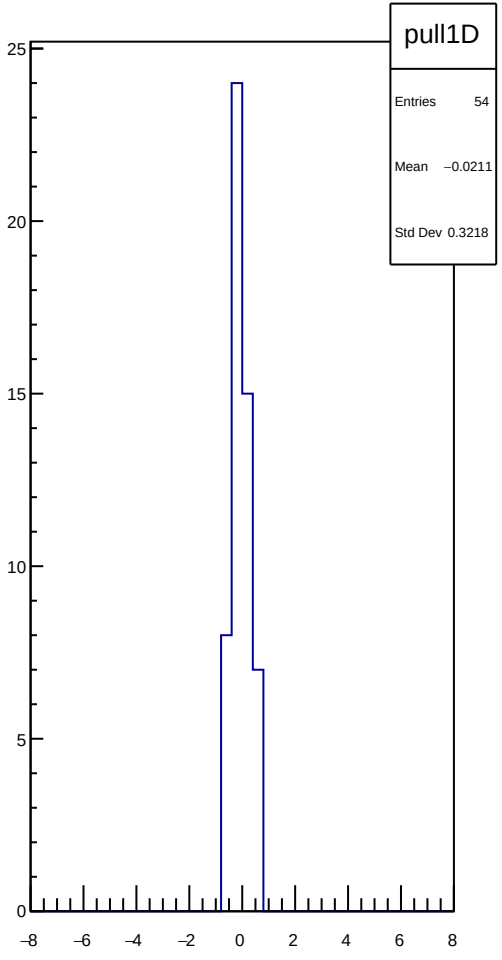

pull1D
Entries 54
Mean 0.05278
Std Dev 0.3225

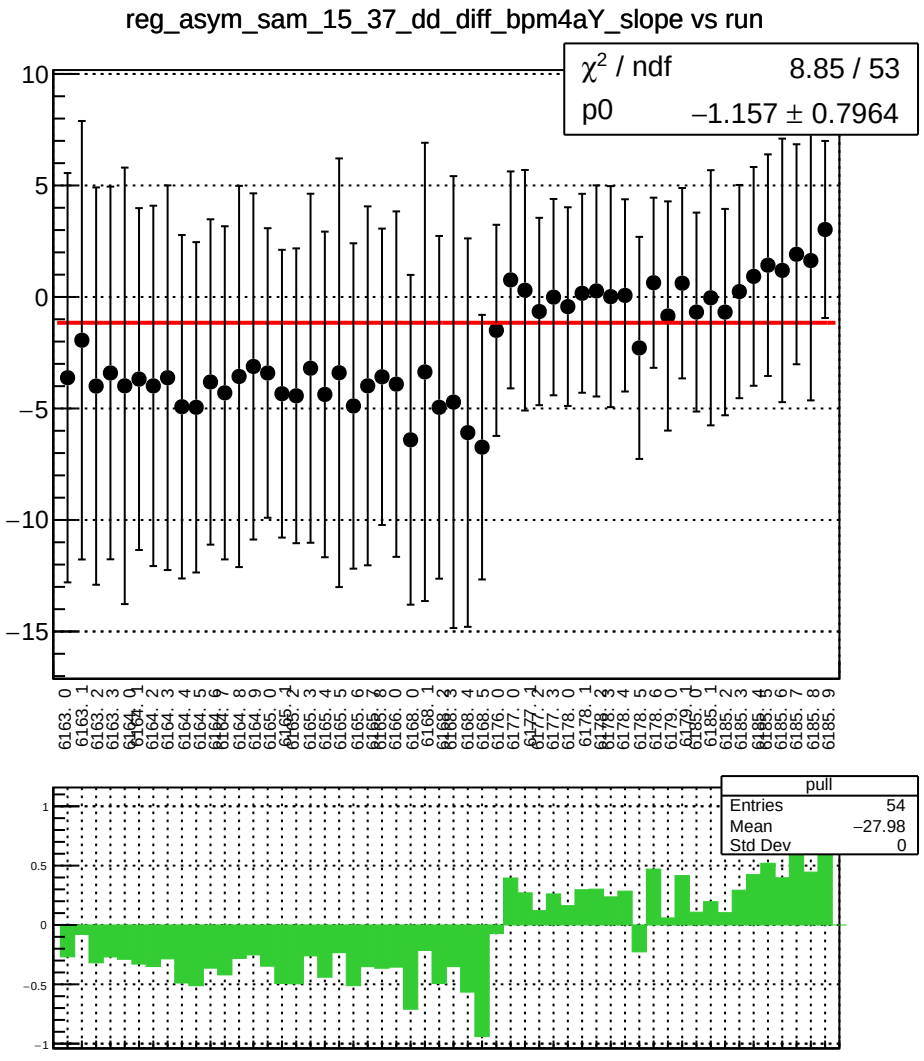

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ² / ndf 13.41 / 53
p0 −12.46 ± 0.7962
pull
Entries 54
Mean −238.3
Std Dev 0
pull1D
Entries 54
Mean −0.02102
Std Dev 0.498

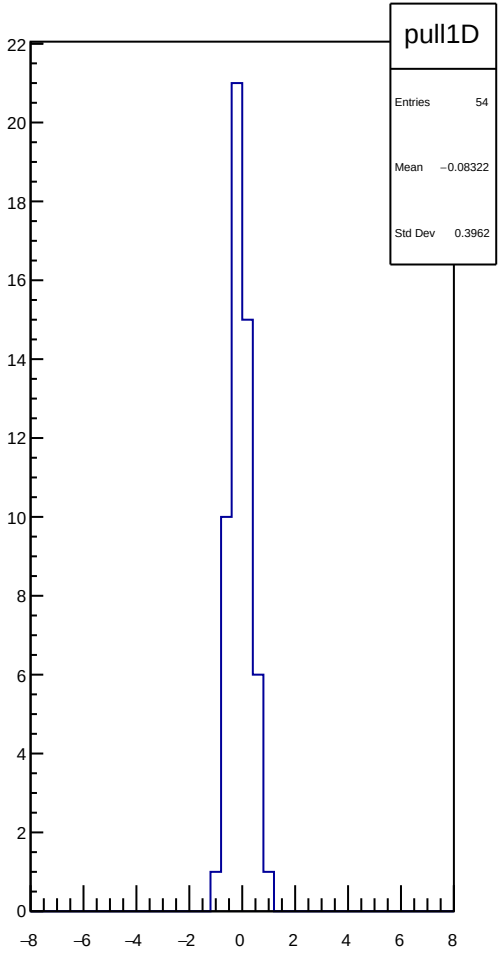

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ² / ndf 13.67 / 53
p0 −9.537 ± 0.833
pull
Entries 54
Mean −57.41
Std Dev 0
pull1D
Entries 54
Mean −0.07441
Std Dev 0.4975

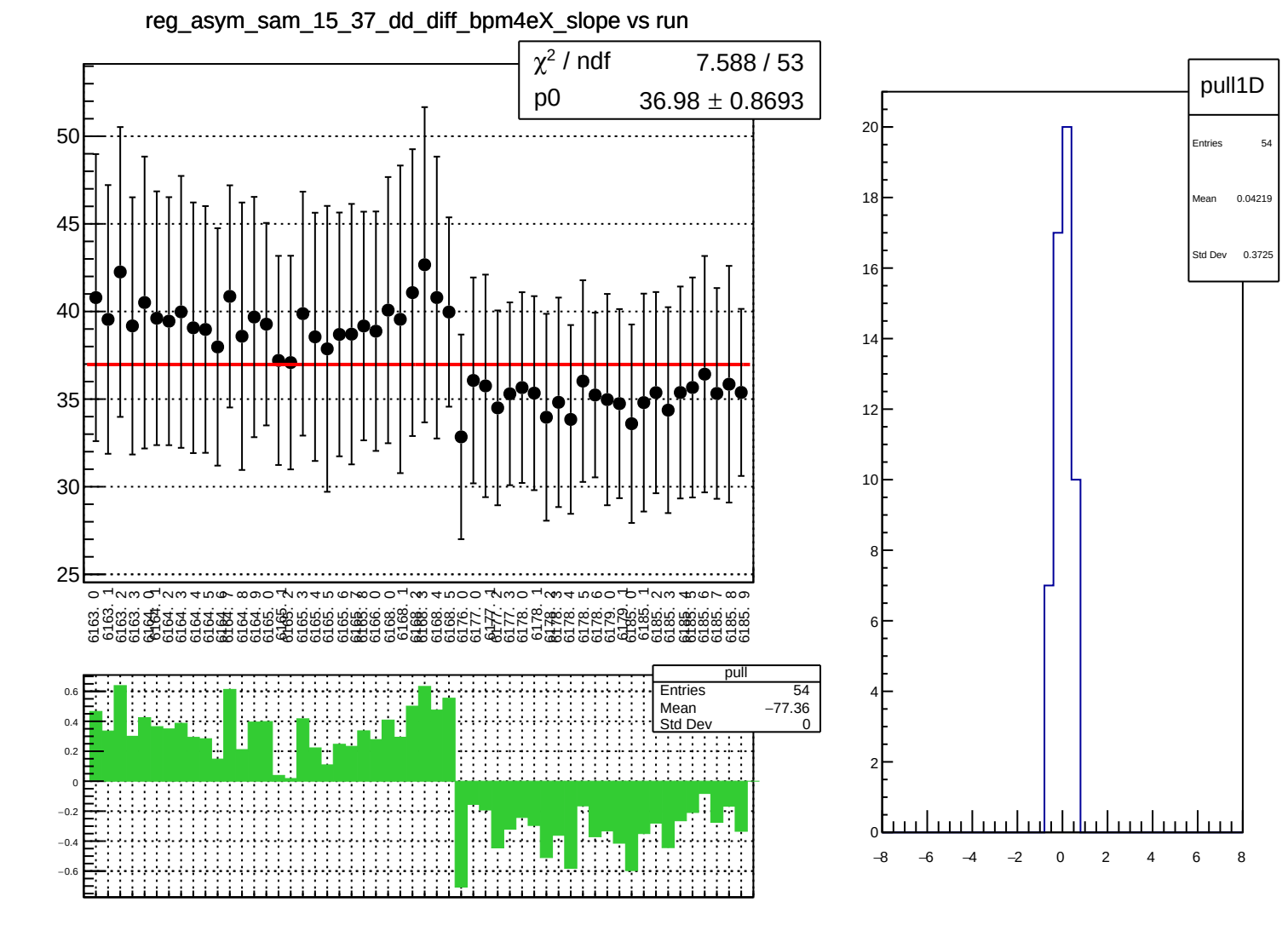

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ² / ndf 14.82 / 53
p0 0.04024 ± 0.06503
pull
Entries 54
Mean −105
Std Dev 0
pull1D
Entries 54
Mean −0.03029
Std Dev 0.5231

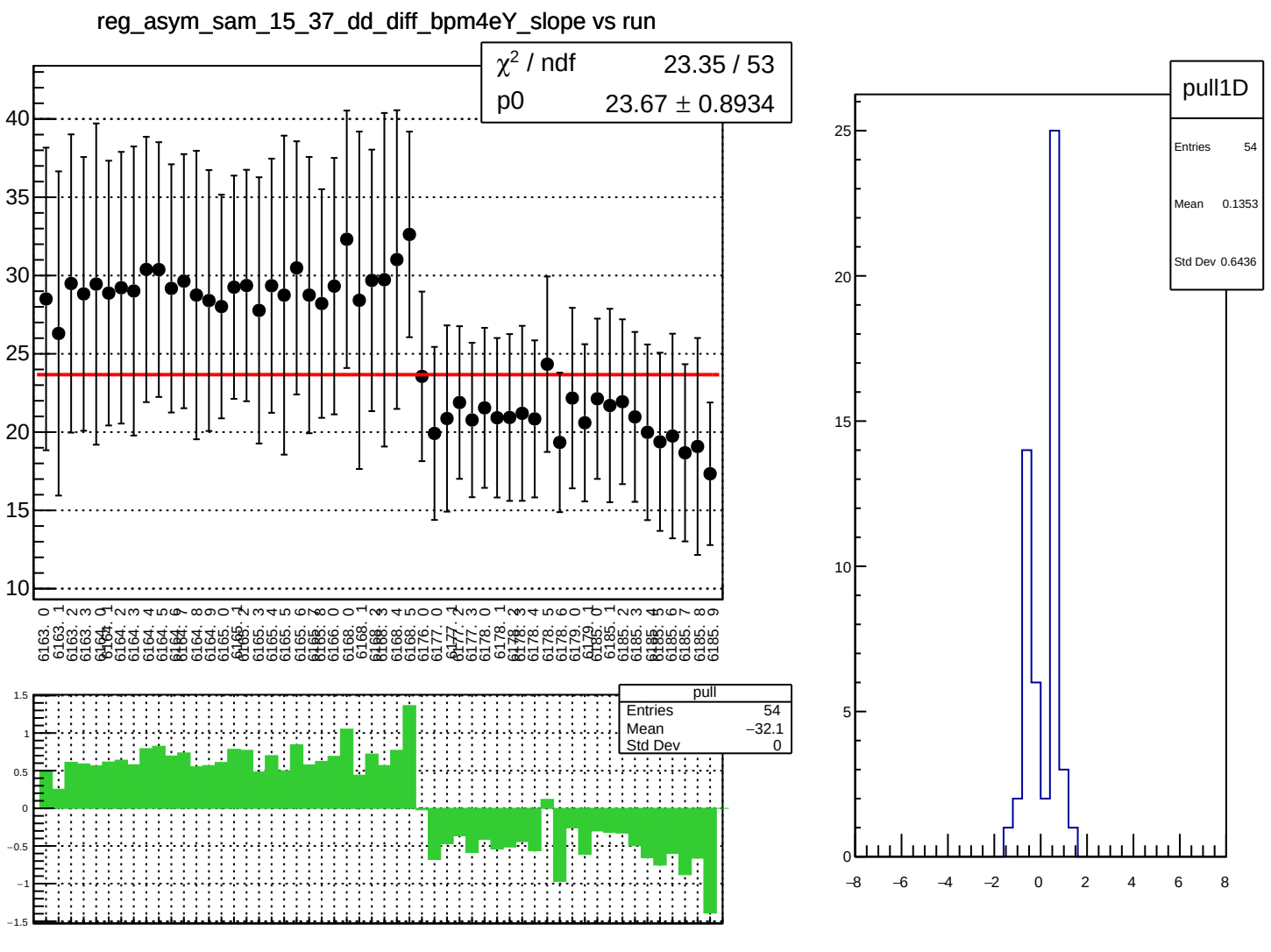

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs run
χ² / ndf 5.616 / 53
p0 −0.9214 ± 0.7492
pull
Entries 54
Mean −112.4
Std Dev 0

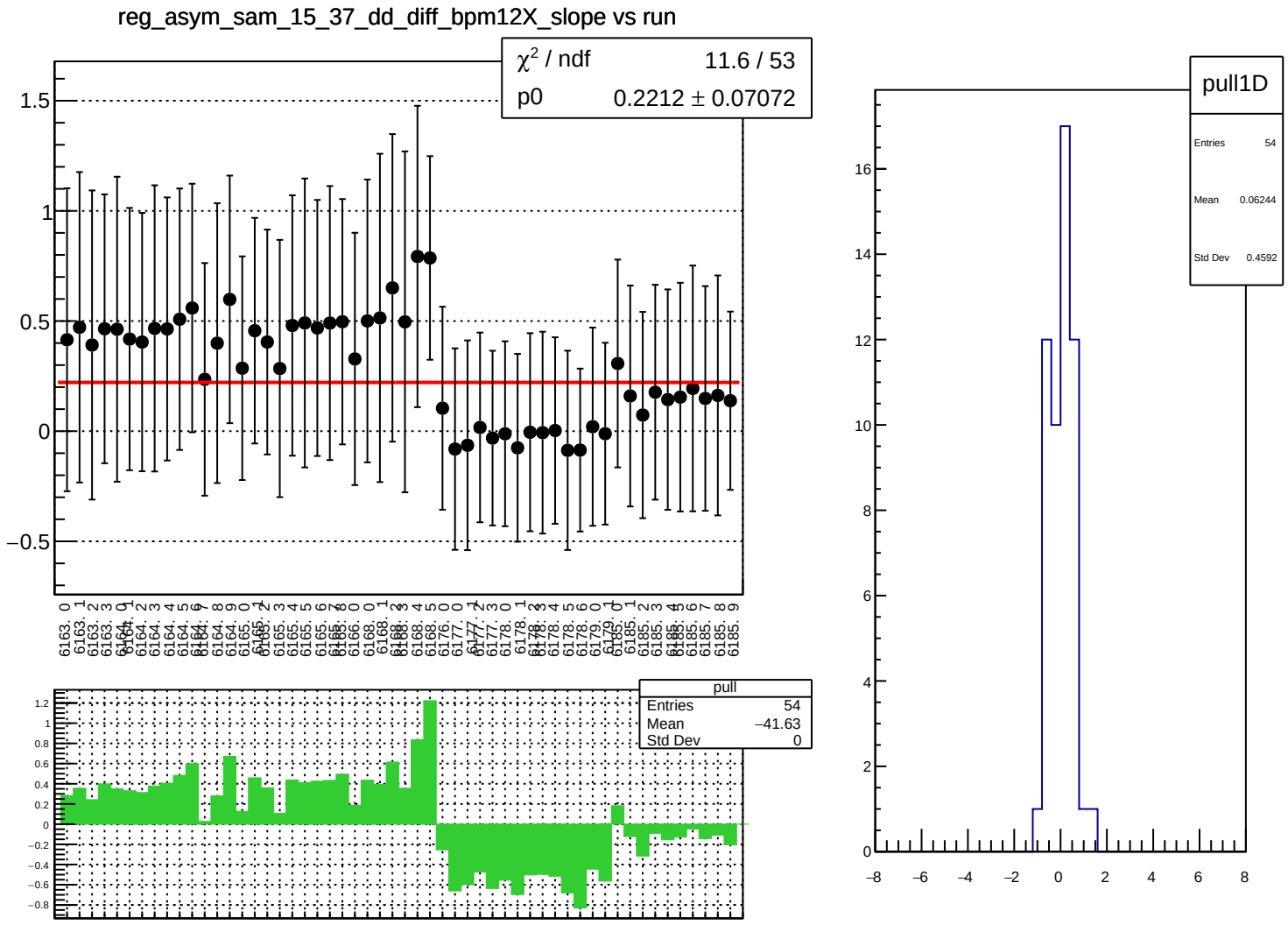

pull1D
Entries 54
Mean −0.0211
Std Dev 0.3218

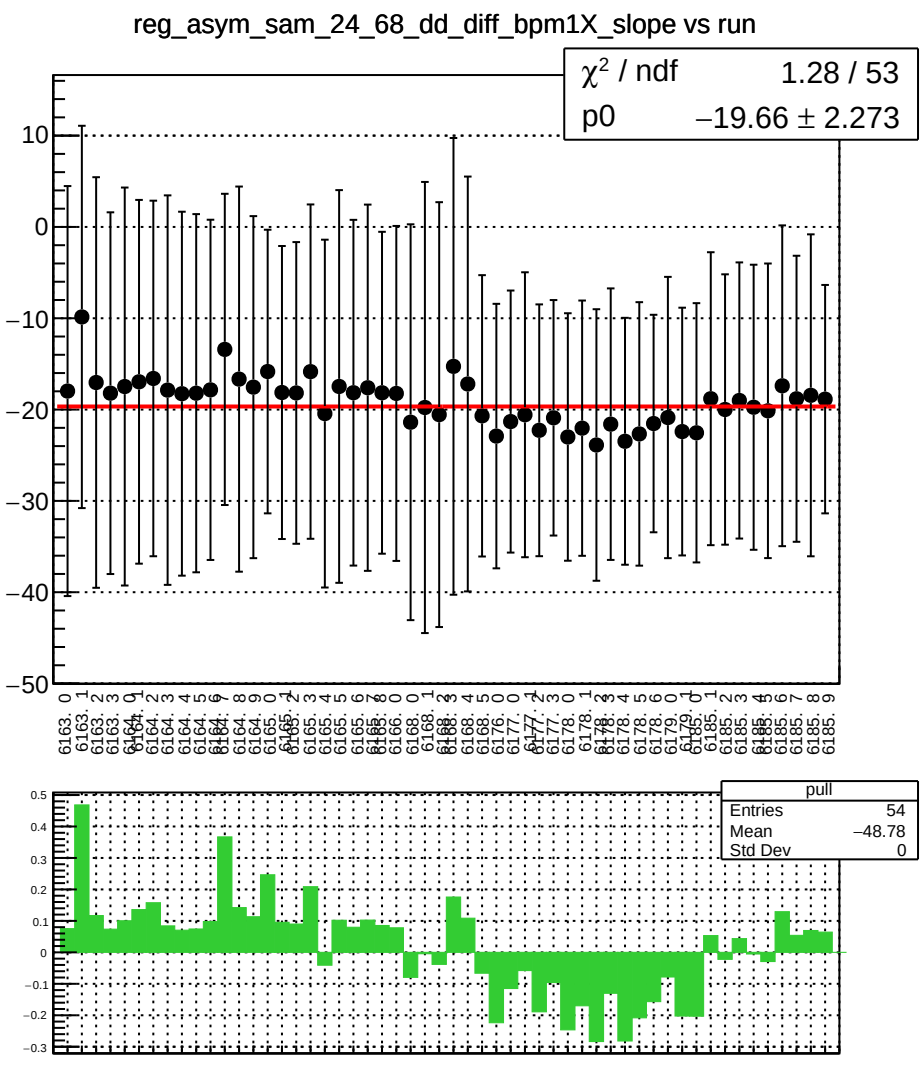

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 8.85 / 53
p0 −1.157 ± 0.7964
pull
Entries 54
Mean −27.98
Std Dev 0

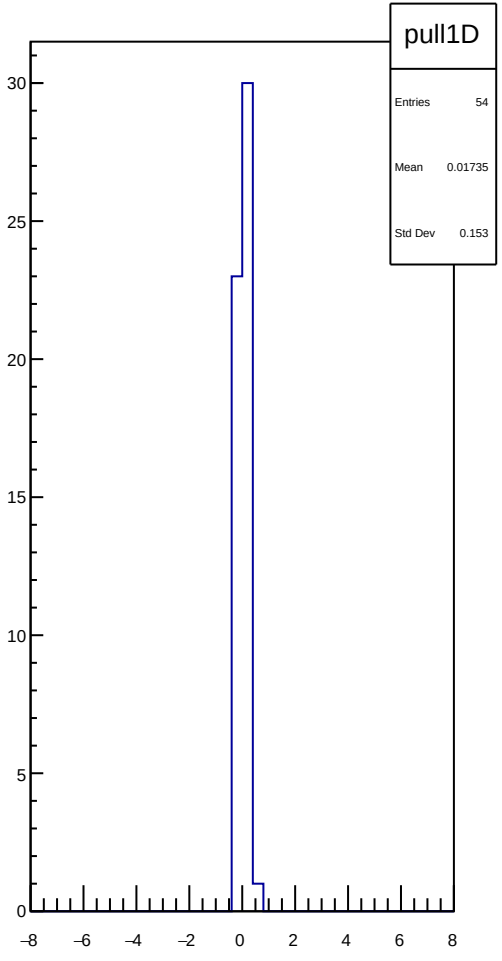

pull1D
Entries 54
Mean −0.08322
Std Dev 0.3962

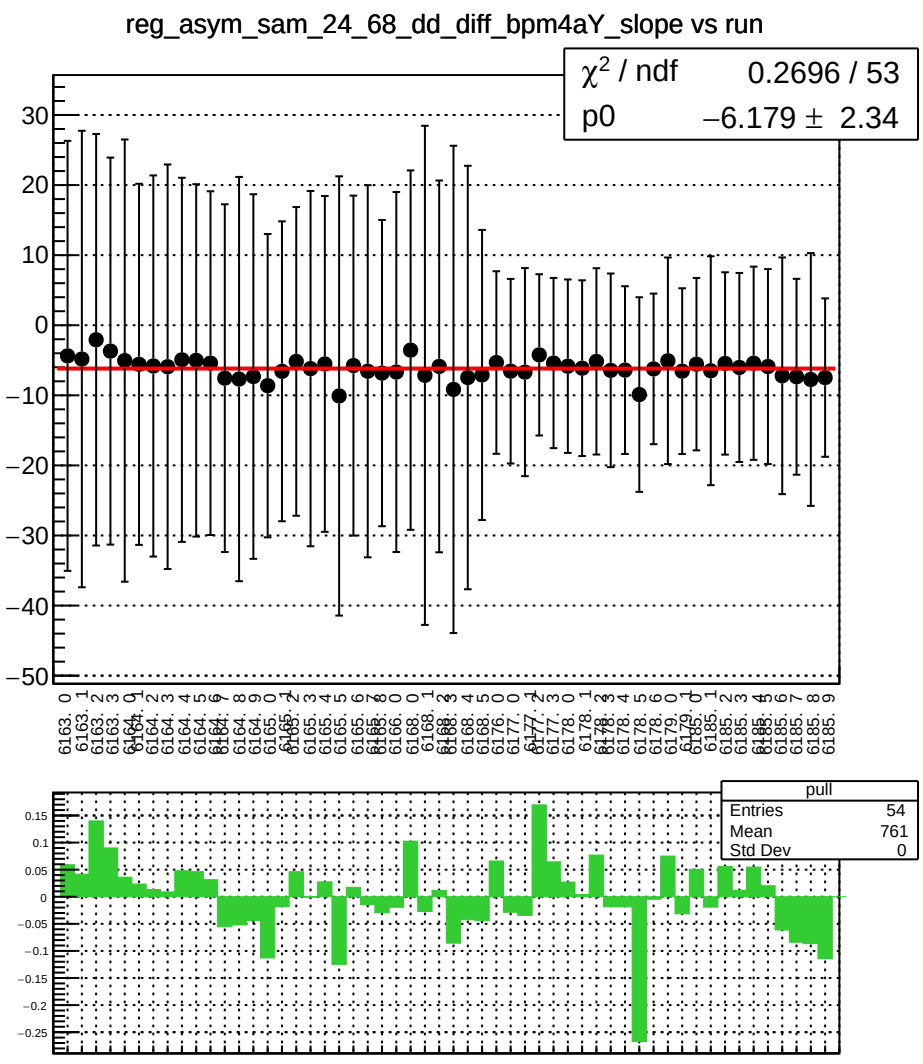

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 7.588 / 53
p0 36.98 ± 0.8693
pull
Entries 54
Mean −77.36
Std Dev 0
pull1D
Entries 54
Mean 0.04219
Std Dev 0.3725

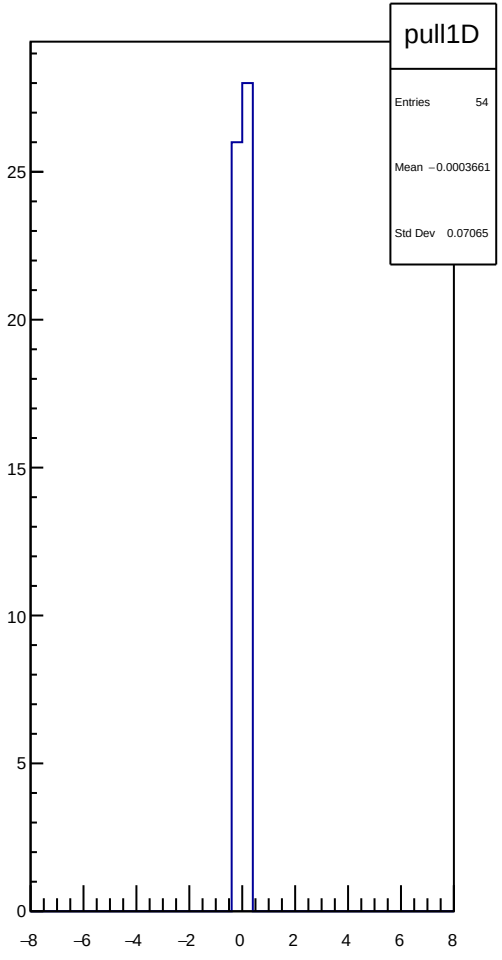

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 23.35 / 53
p0 23.67 ± 0.8934
pull
Entries 54
Mean −32.1
Std Dev 0
pull1D
Entries 54
Mean 0.1353
Std Dev 0.6436

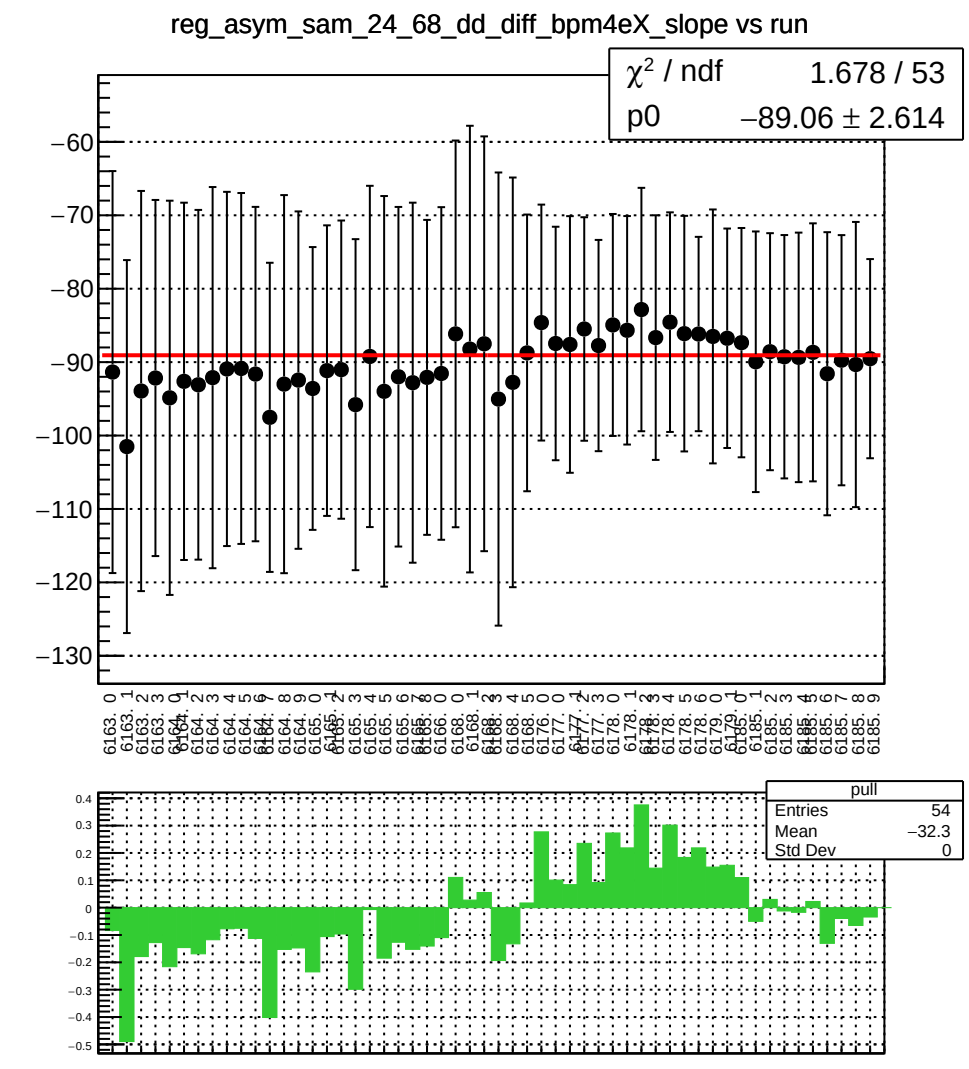

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ² / ndf 11.6 / 53
p0 0.2212 ± 0.07072
pull
Entries 54
Mean −41.63
Std Dev 0
pull1D
Entries 54
Mean 0.06244
Std Dev 0.4592

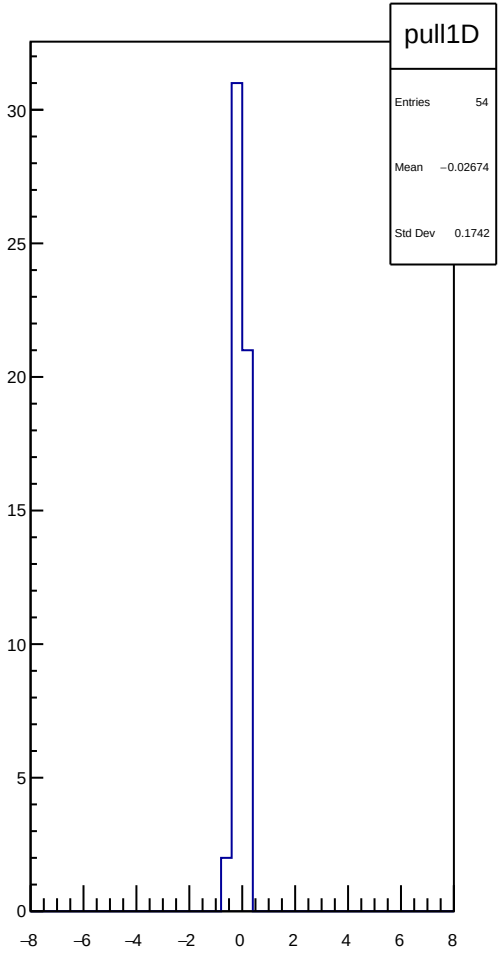

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs run
χ² / ndf 1.28 / 53
p0 −19.66 ± 2.273
pull
Entries 54
Mean −48.78
Std Dev 0

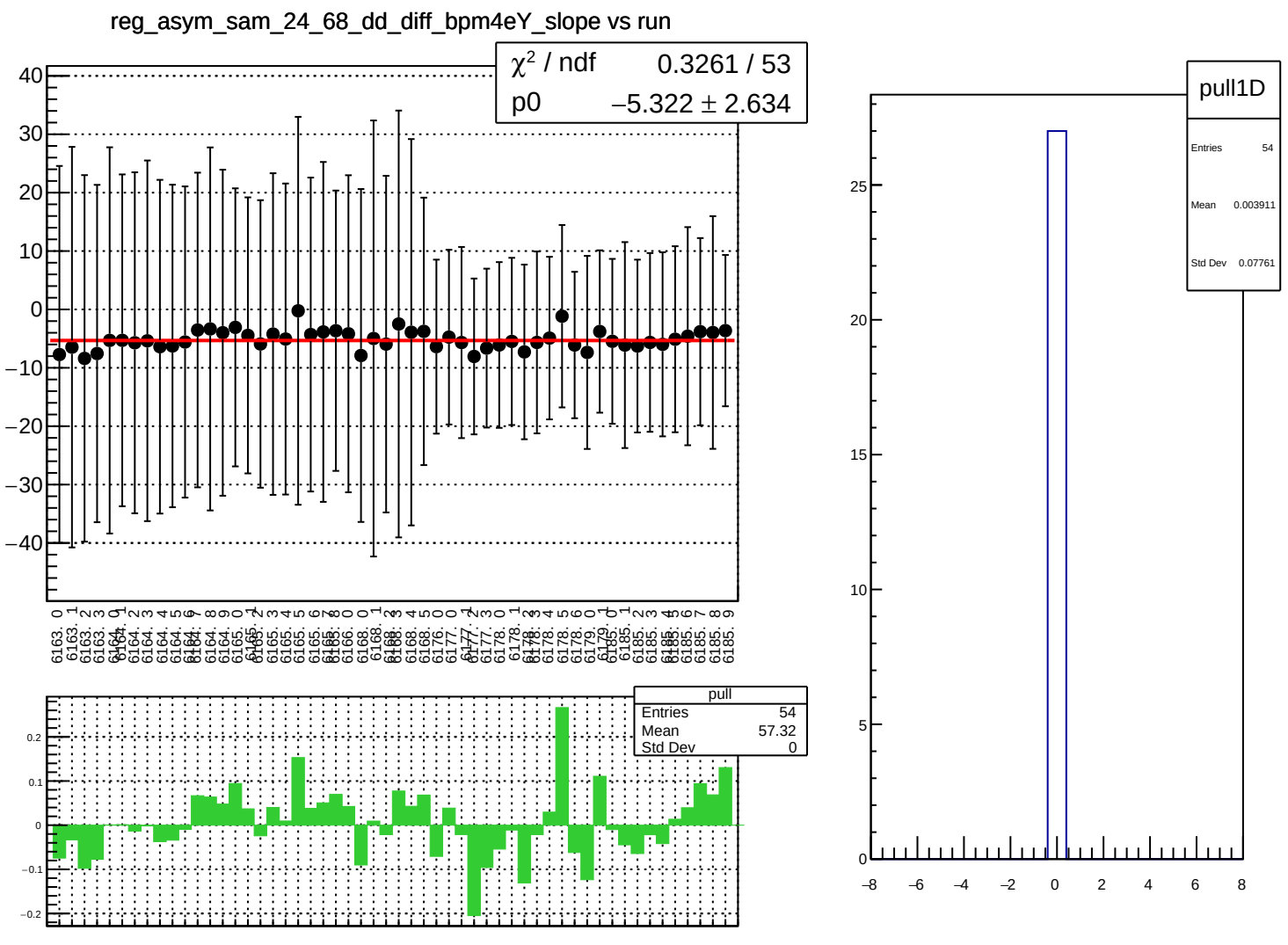

pull1D
Entries 54
Mean 0.01735
Std Dev 0.153

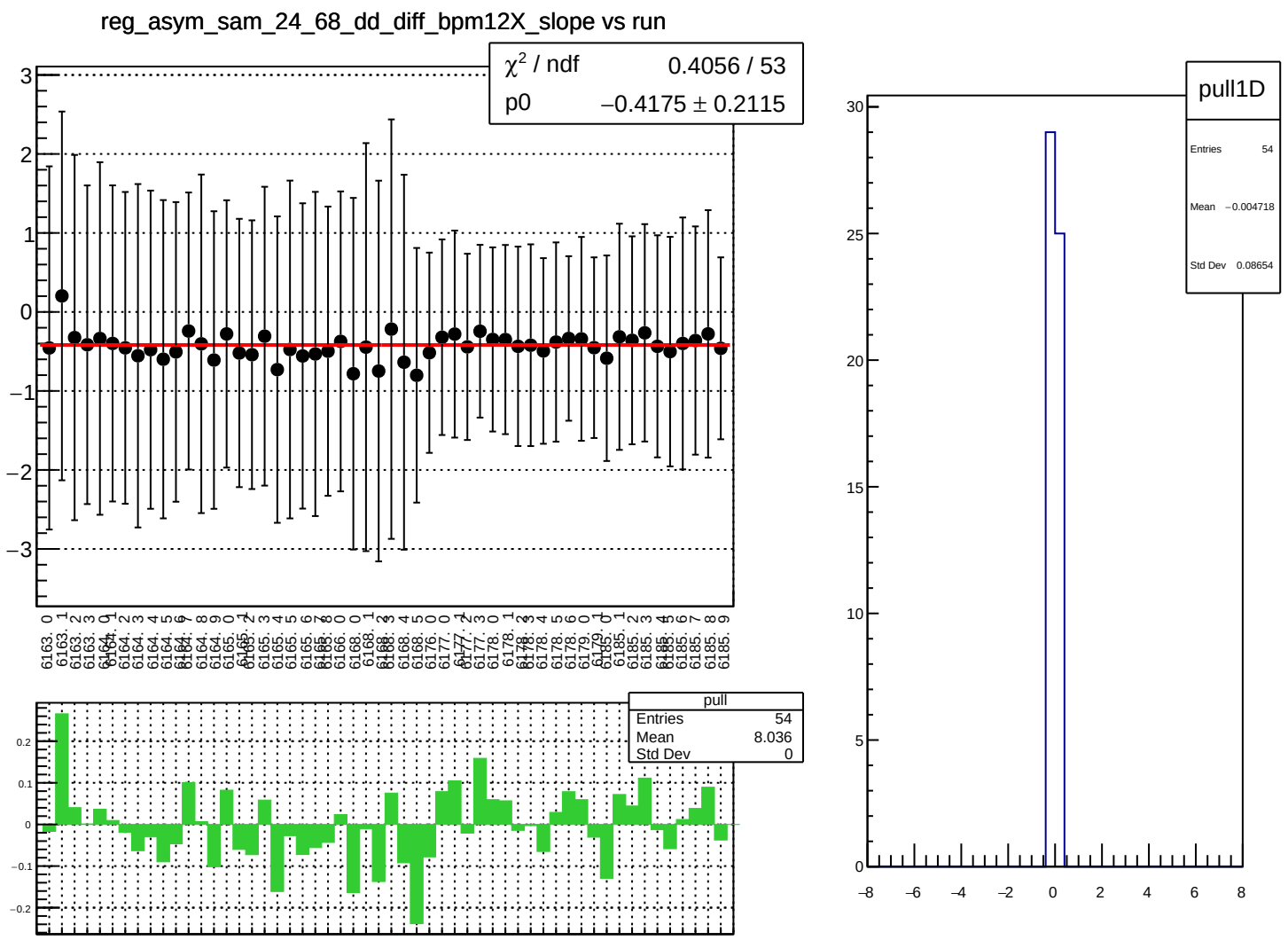

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ² / ndf 0.2696 / 53
p0 −6.179 ± 2.34
pull
Entries 54
Mean 761
Std Dev 0

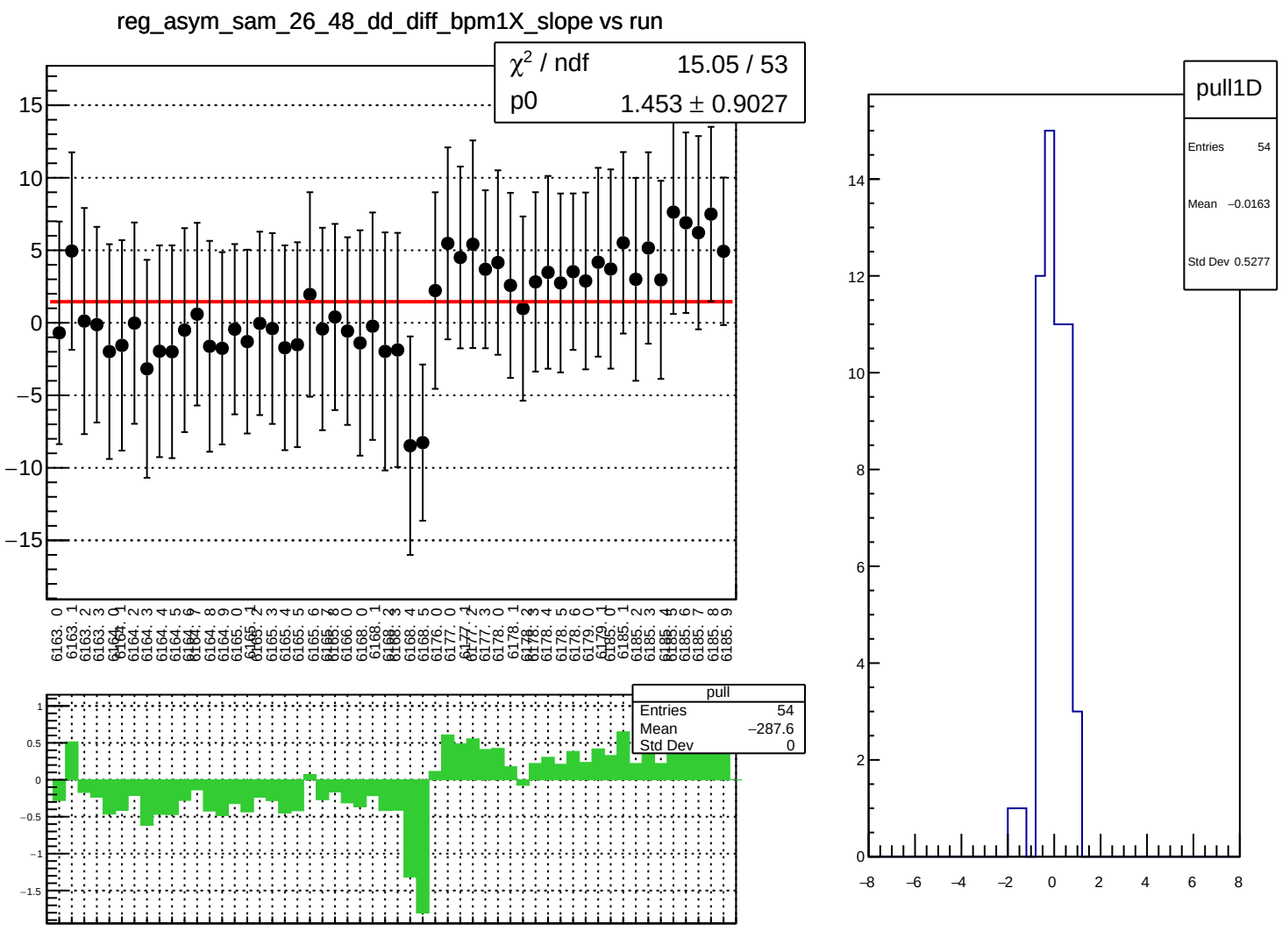

pull1D
Entries 54
Mean −0.0003661
Std Dev 0.07065

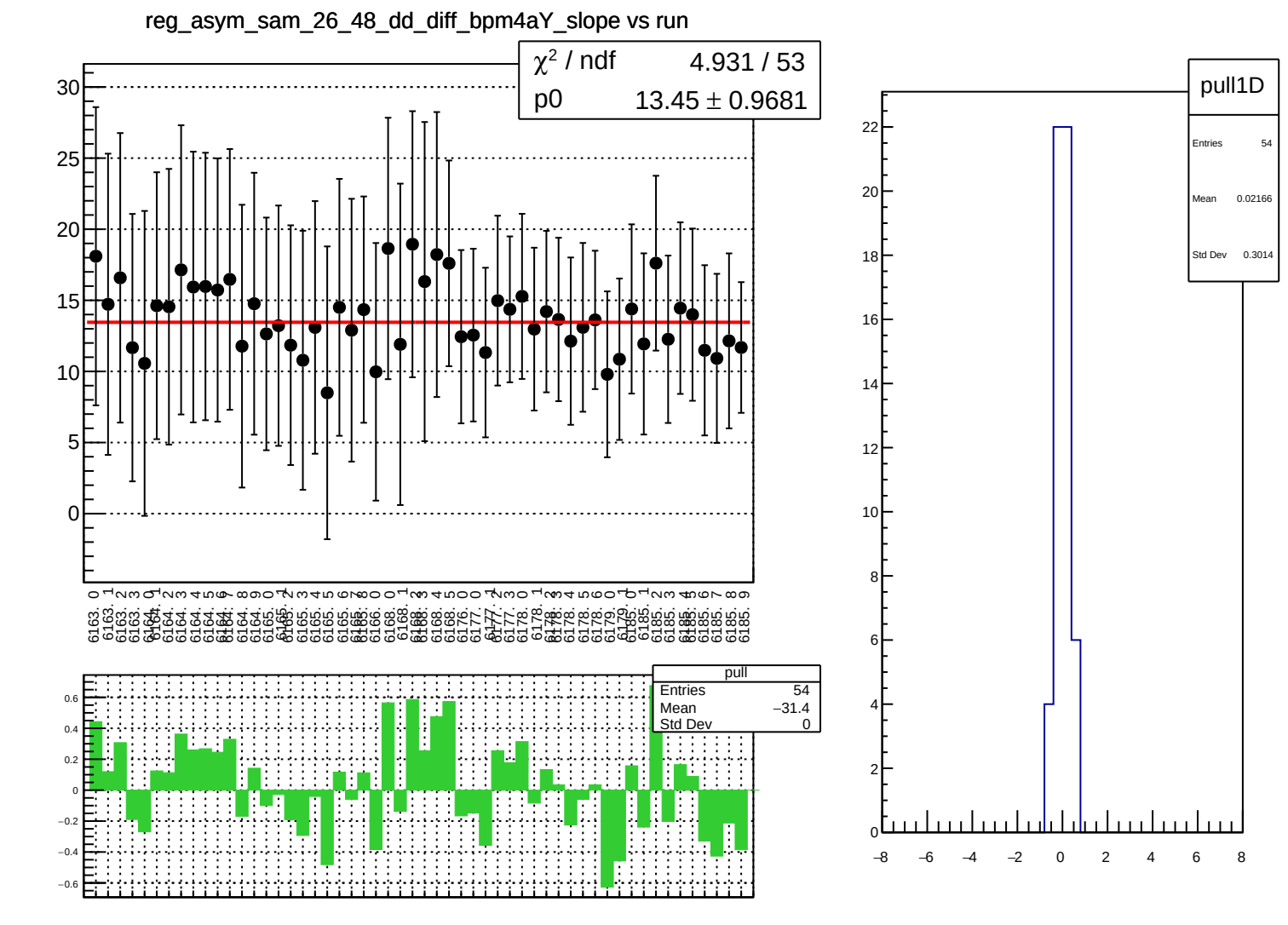

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ² / ndf 1.678 / 53
p0 −89.06 ± 2.614
pull
Entries 54
Mean −32.3
Std Dev 0

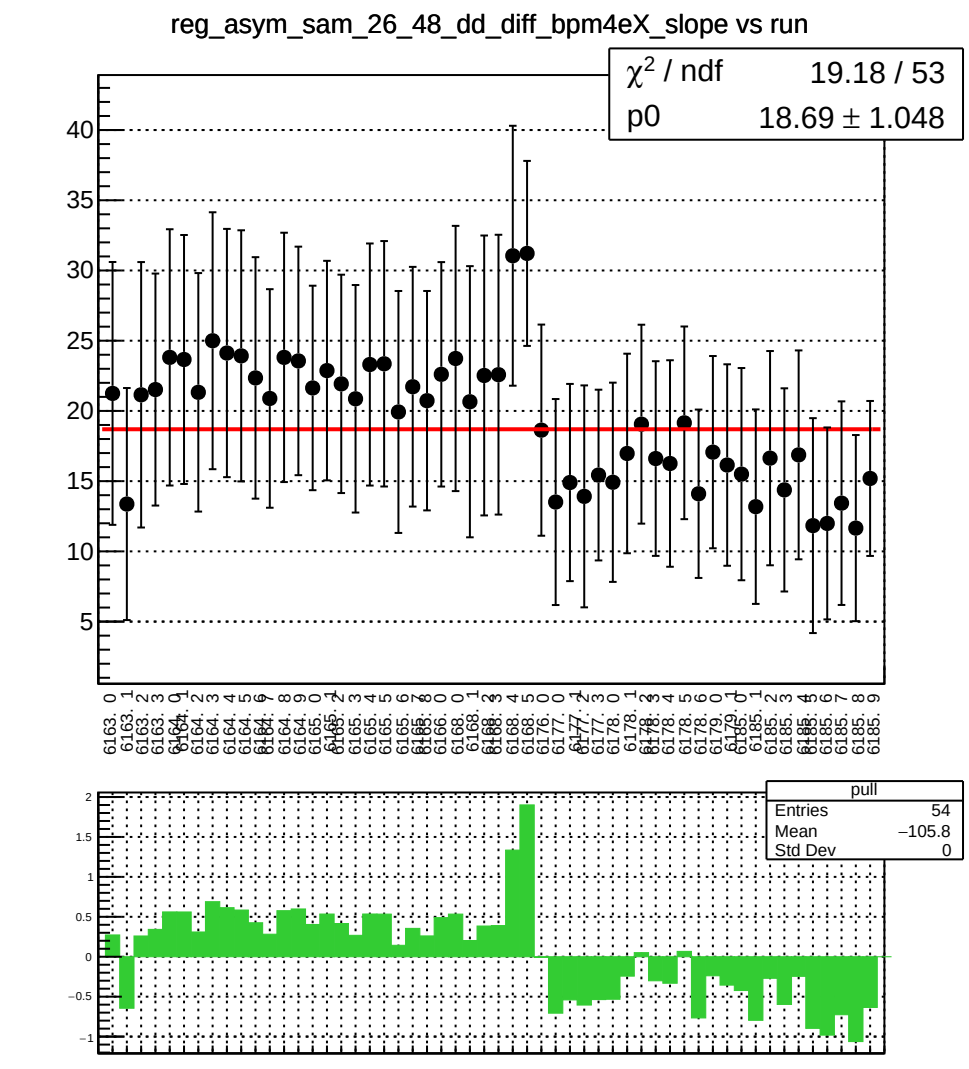

pull1D
Entries 54
Mean −0.02674
Std Dev 0.1742

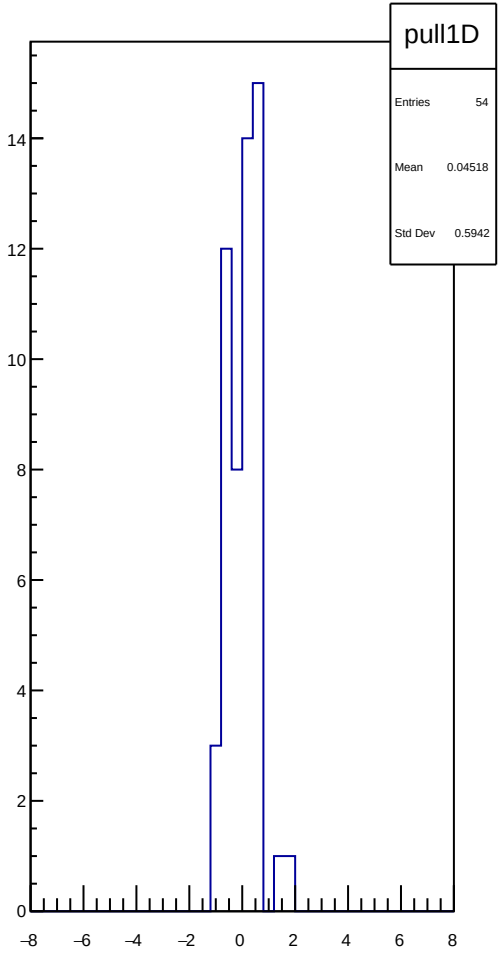

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ² / ndf 0.3261 / 53
p0 −5.322 ± 2.634
pull
Entries 54
Mean 57.32
Std Dev 0
pull1D
Entries 54
Mean 0.003911
Std Dev 0.07761

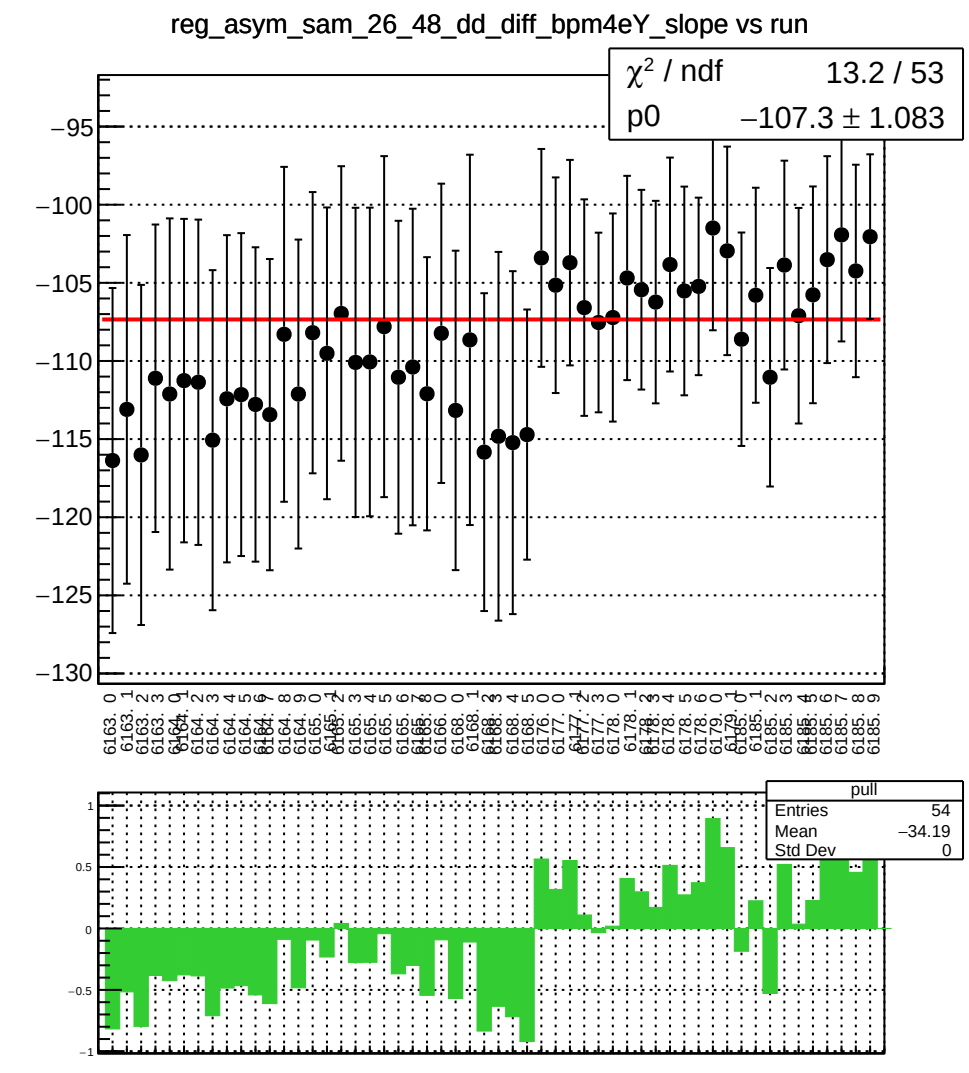

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ² / ndf 0.4056 / 53
p0 −0.4175 ± 0.2115
pull
Entries 54
Mean 8.036
Std Dev 0
pull1D
Entries 54
Mean −0.004718
Std Dev 0.08654

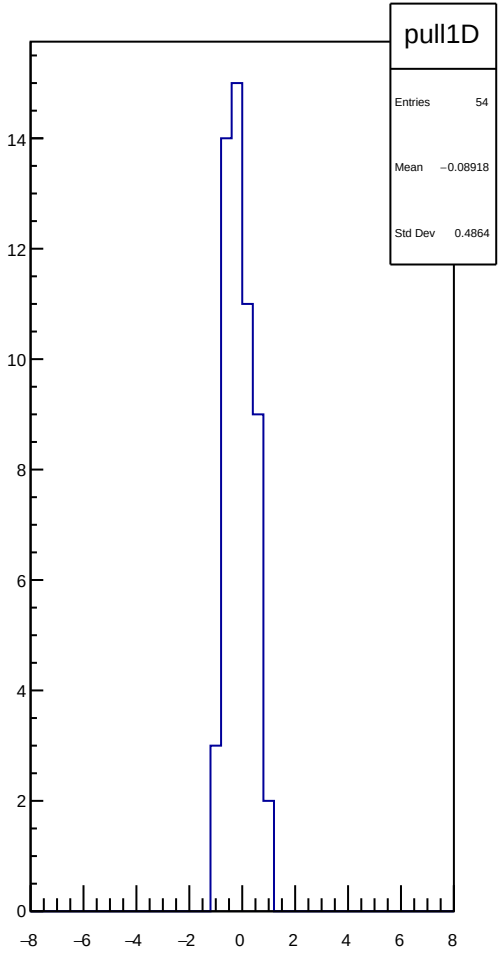

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs run
χ² / ndf 15.05 / 53
p0 1.453 ± 0.9027
pull
Entries 54
Mean −287.6
Std Dev 0
pull1D
Entries 54
Mean −0.0163
Std Dev 0.5277

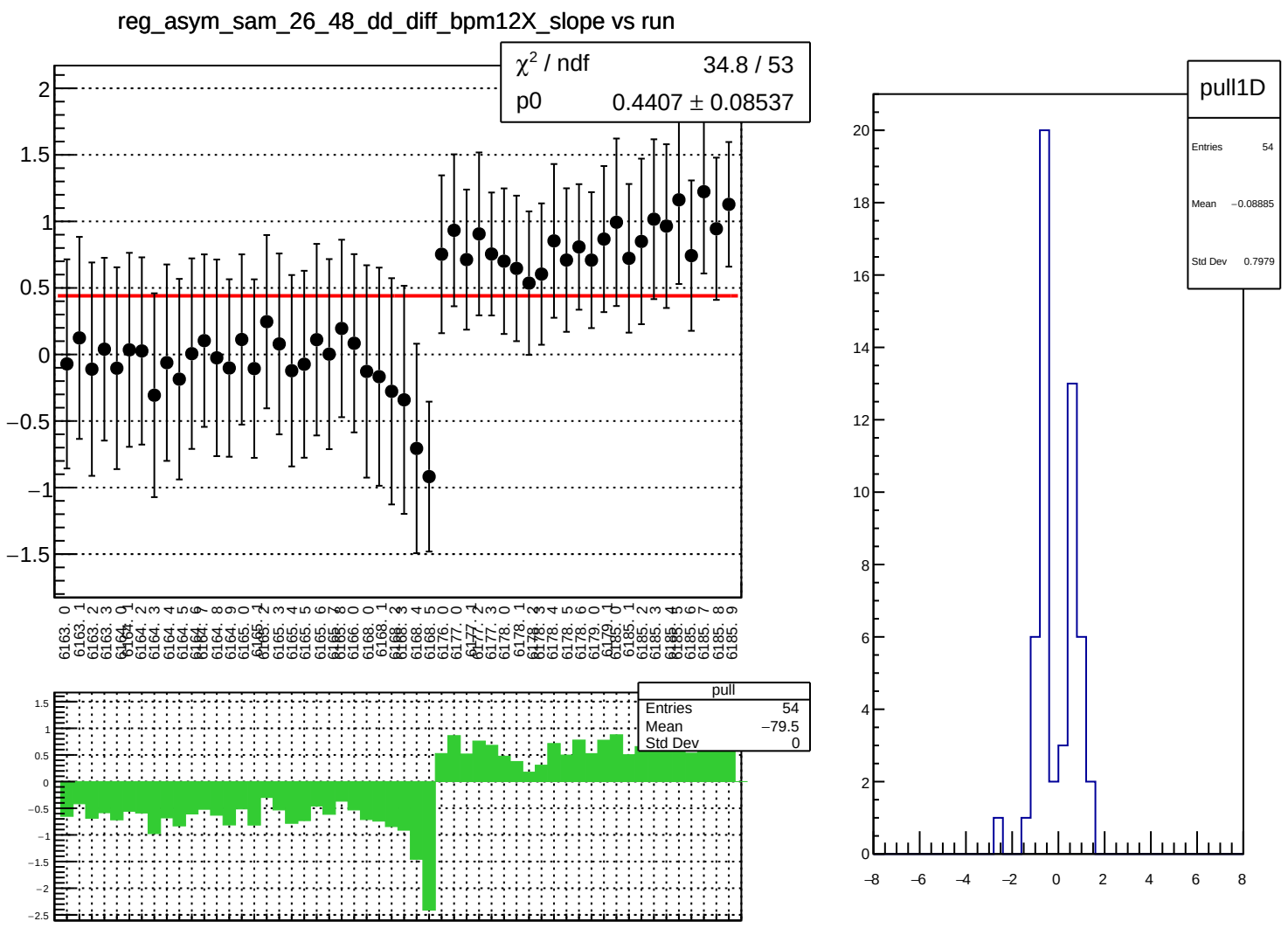

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 4.931 / 53
p0 13.45 ± 0.9681
pull
Entries 54
Mean −31.4
Std Dev 0
pull1D
Entries 54
Mean 0.02166
Std Dev 0.3014

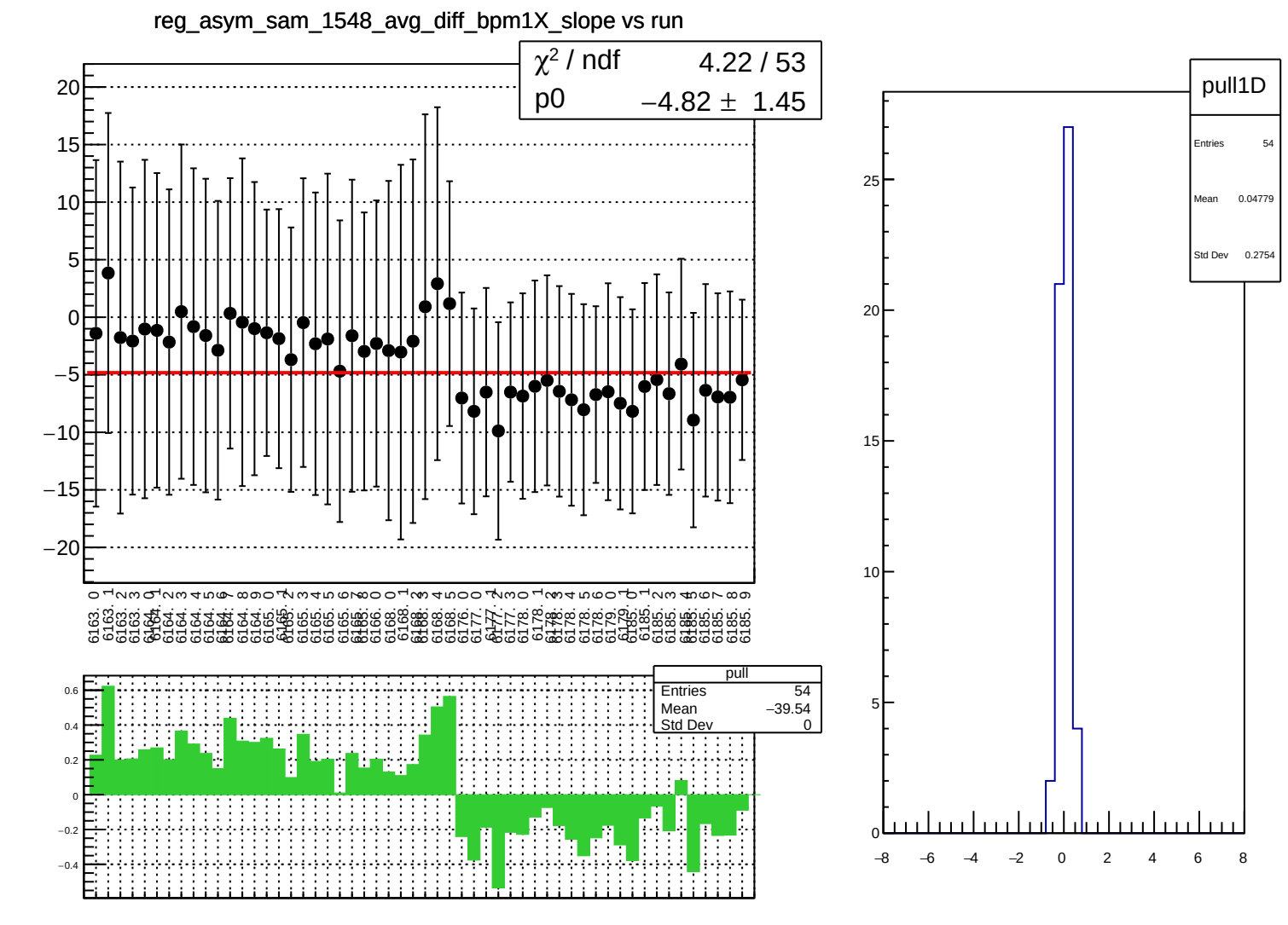

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 19.18 / 53
p0 18.69 ± 1.048
pull
Entries 54
Mean −105.8
Std Dev 0

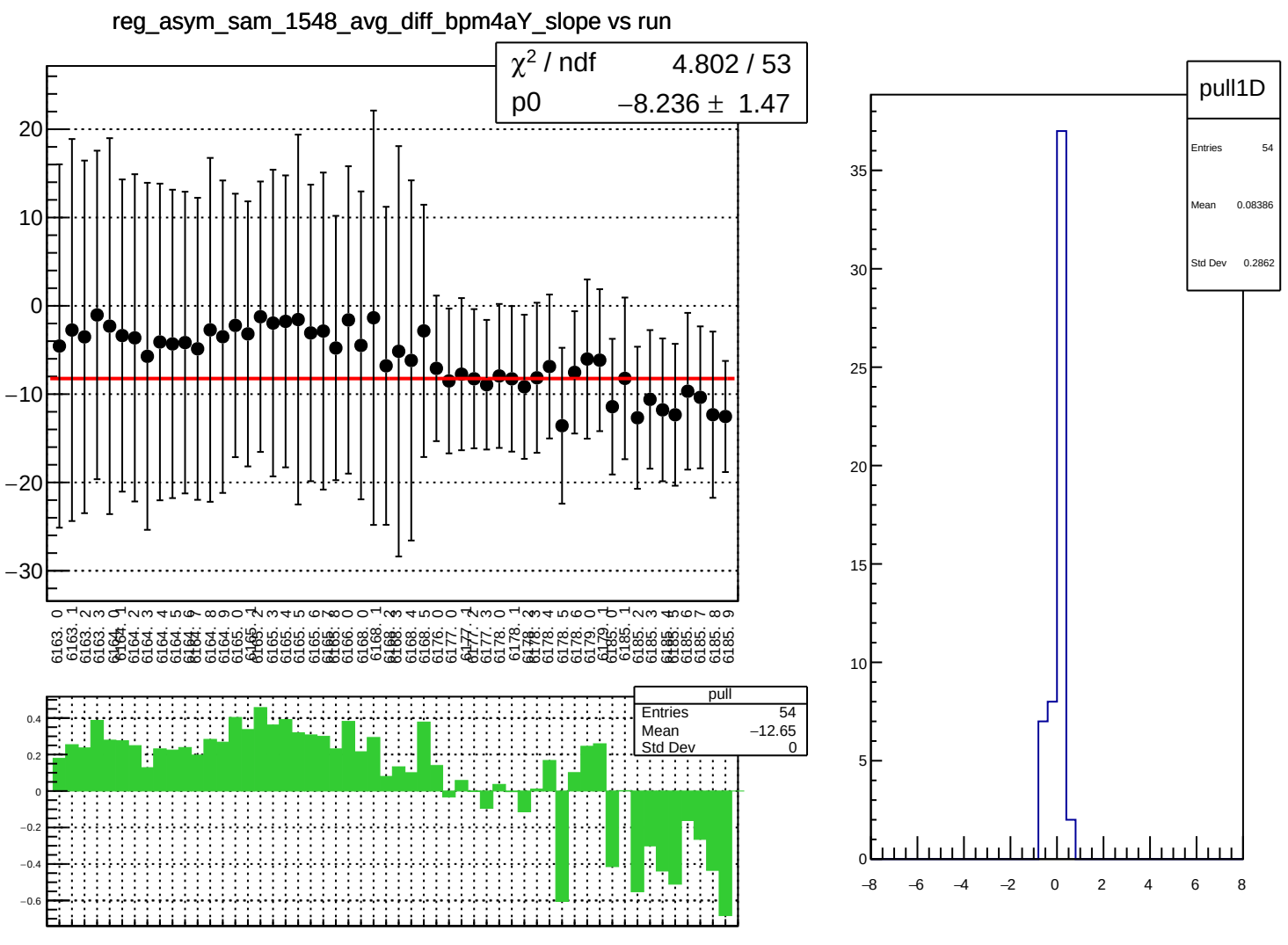

pull1D
Entries 54
Mean 0.04518
Std Dev 0.5942

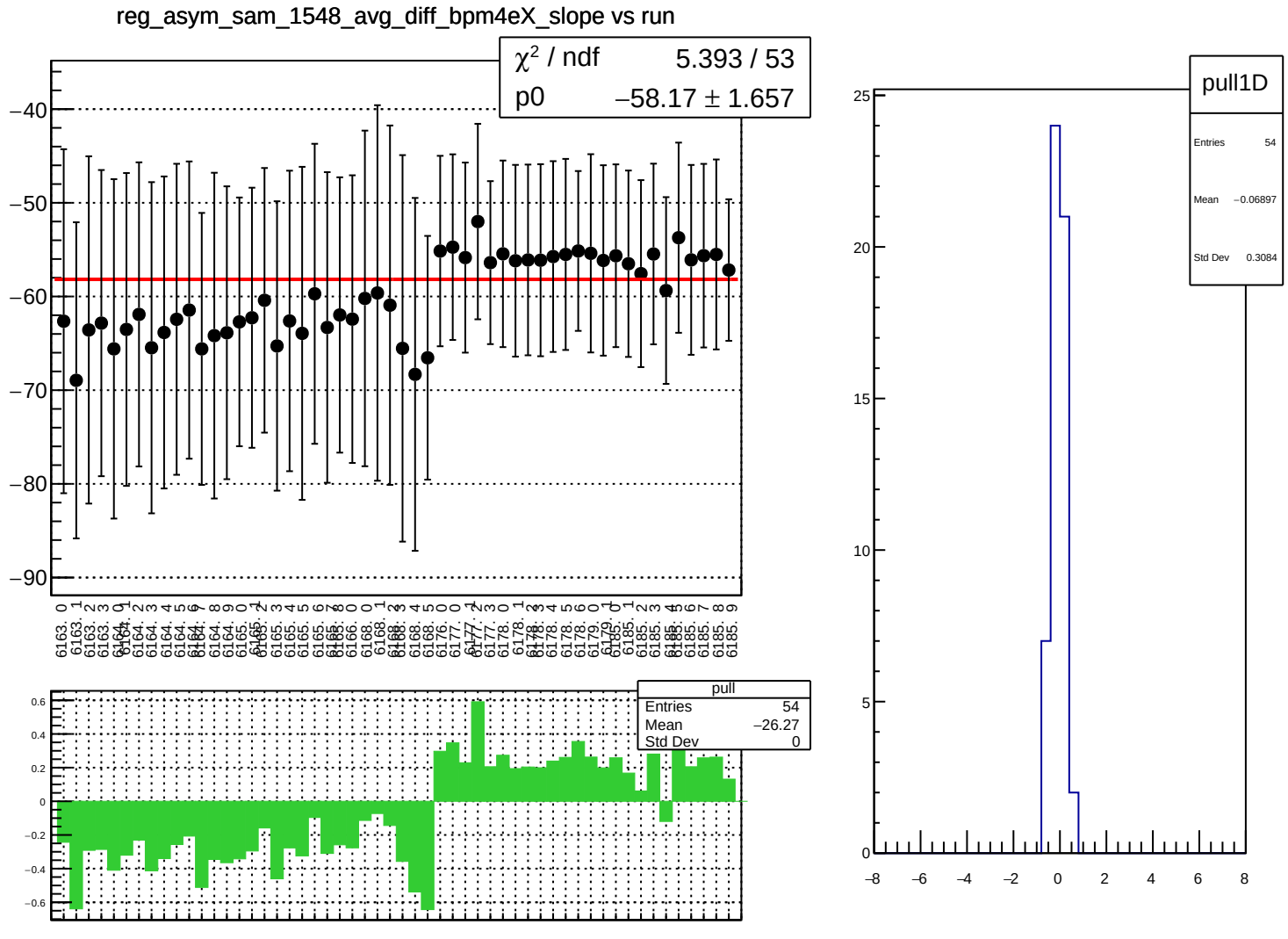

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 13.2 / 53
p0 −107.3 ± 1.083
pull
Entries 54
Mean −34.19
Std Dev 0

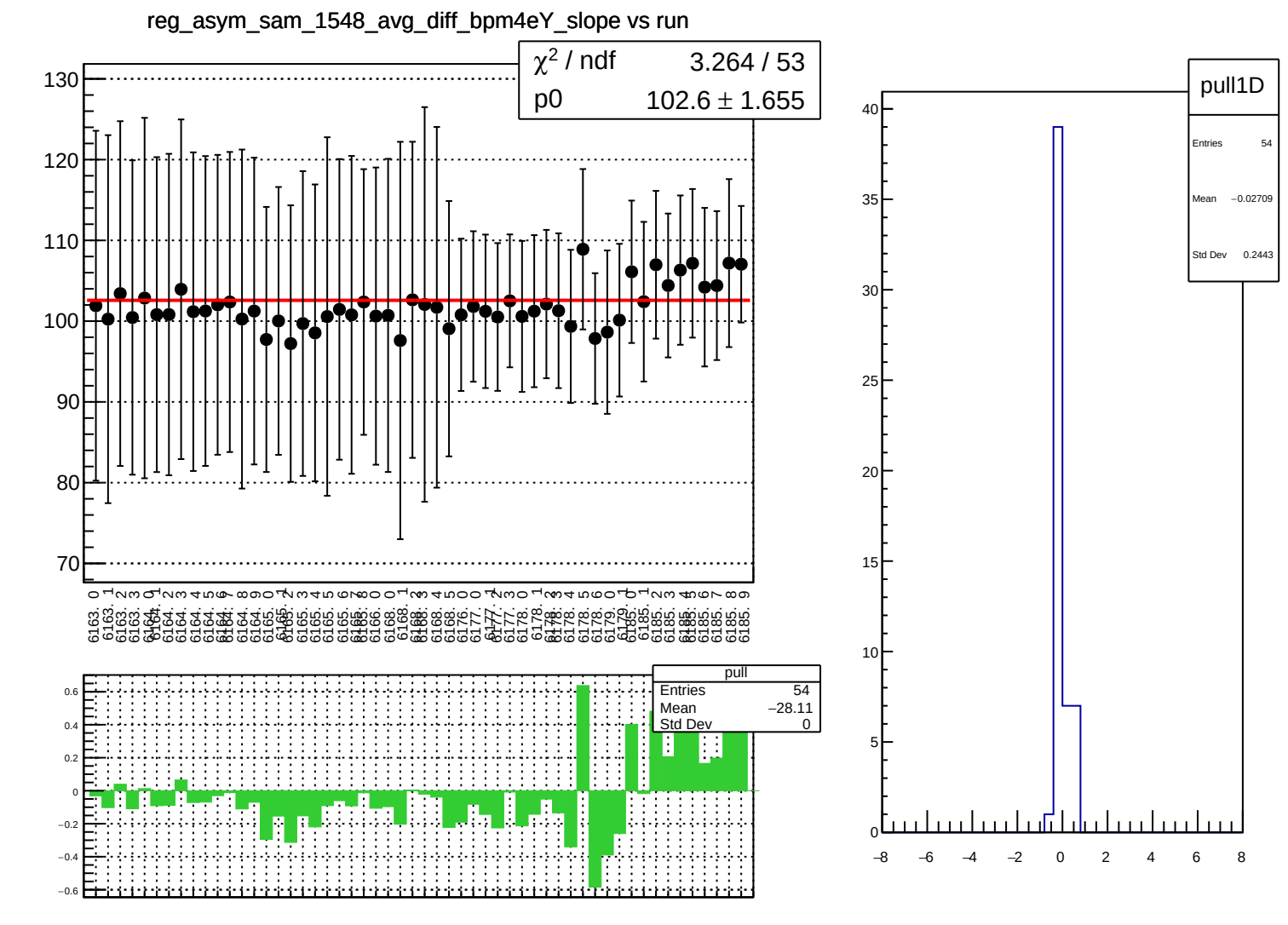

pull1D
Entries 54
Mean −0.08918
Std Dev 0.4864

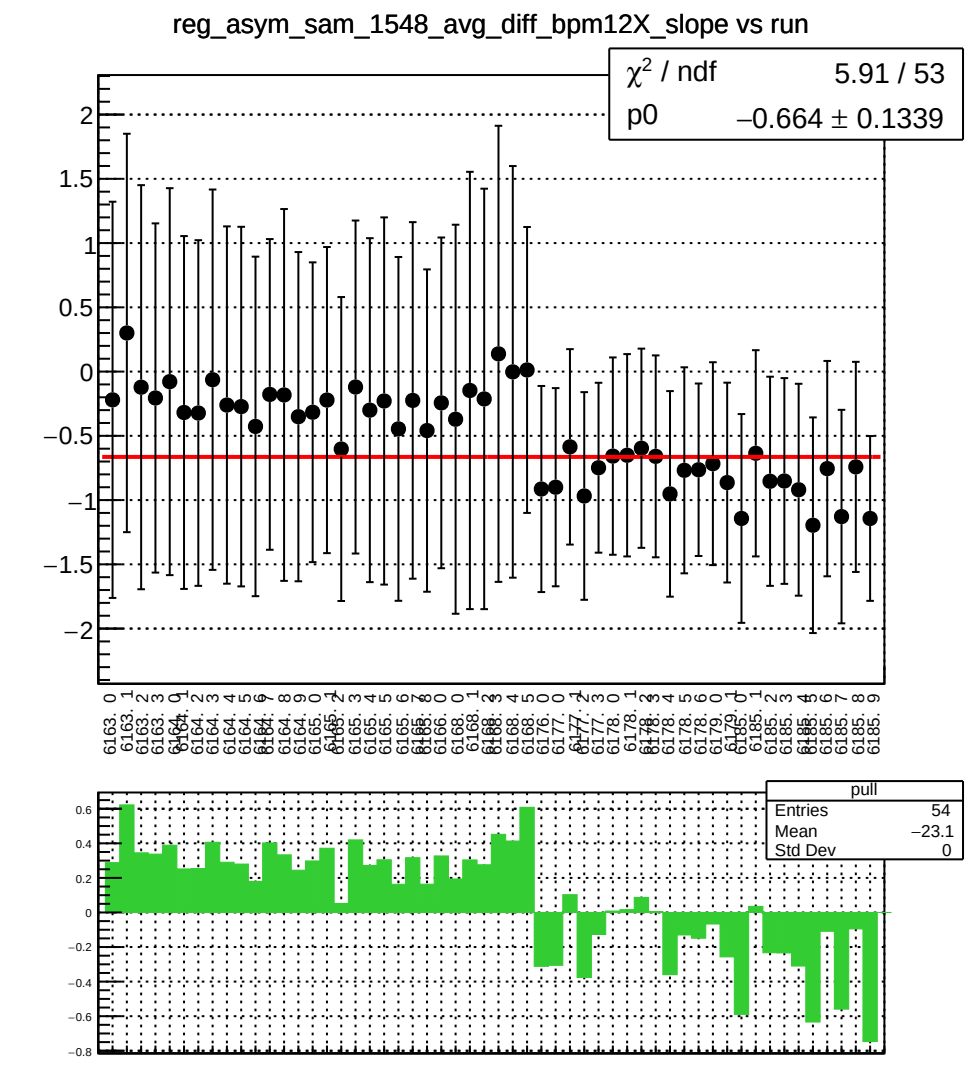

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ² / ndf 34.8 / 53
p0 0.4407 ± 0.08537
pull
Entries 54
Mean −79.5
Std Dev 0
pull1D
Entries 54
Mean −0.08885
Std Dev 0.7979

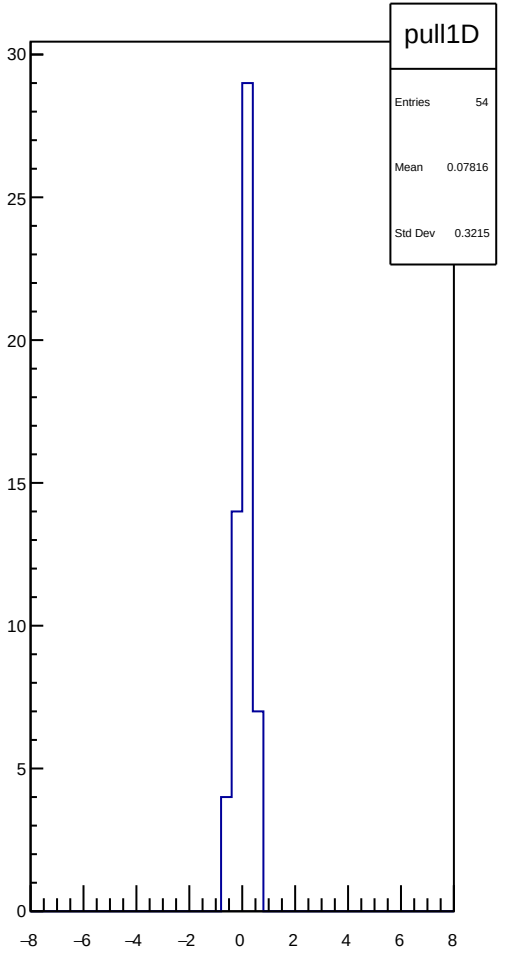

reg_asym_sam_1548_avg_diff_bpm1X_slope vs run
χ² / ndf 4.22 / 53
p0 −4.82 ± 1.45
pull
Entries 54
Mean −39.54
Std Dev 0
pull1D
Entries 54
Mean 0.04779
Std Dev 0.2754

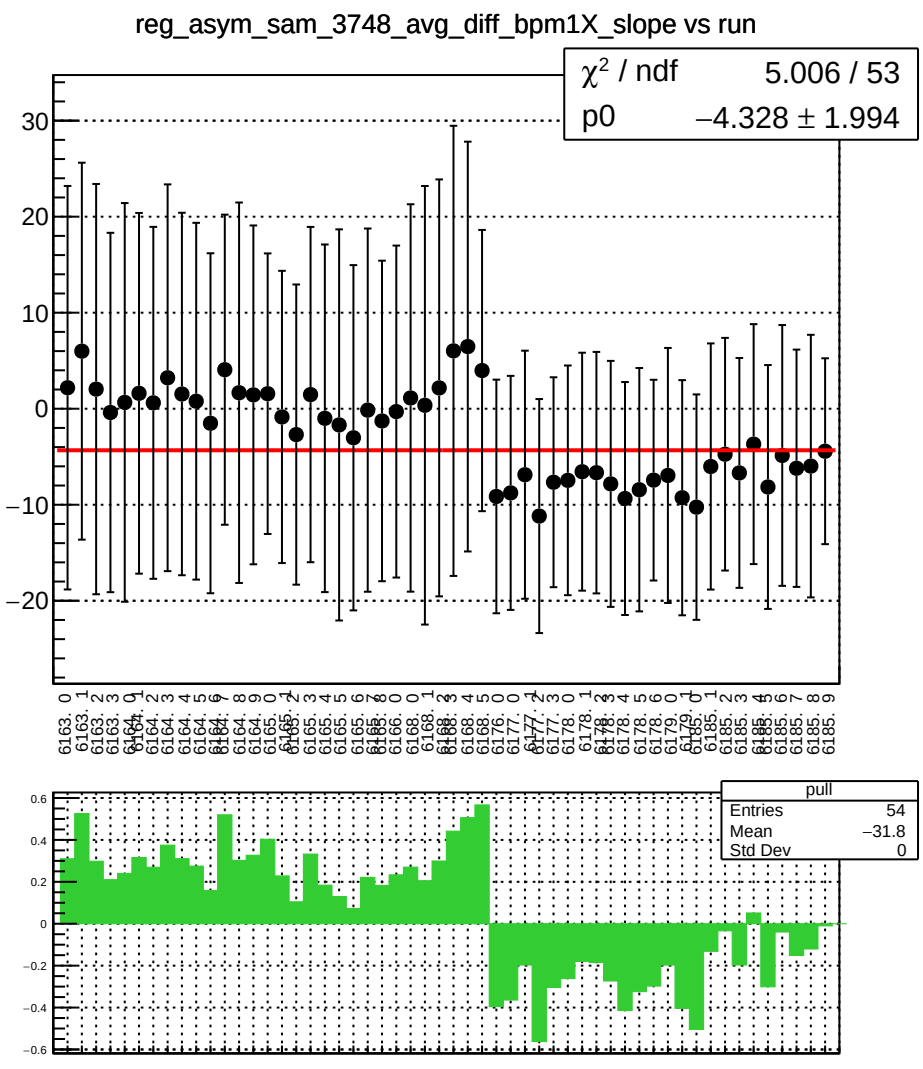

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs run
χ² / ndf 4.802 / 53
p0 −8.236 ± 1.47
pull
Entries 54
Mean −12.65
Std Dev 0
pull1D
Entries 54
Mean 0.08386
Std Dev 0.2862

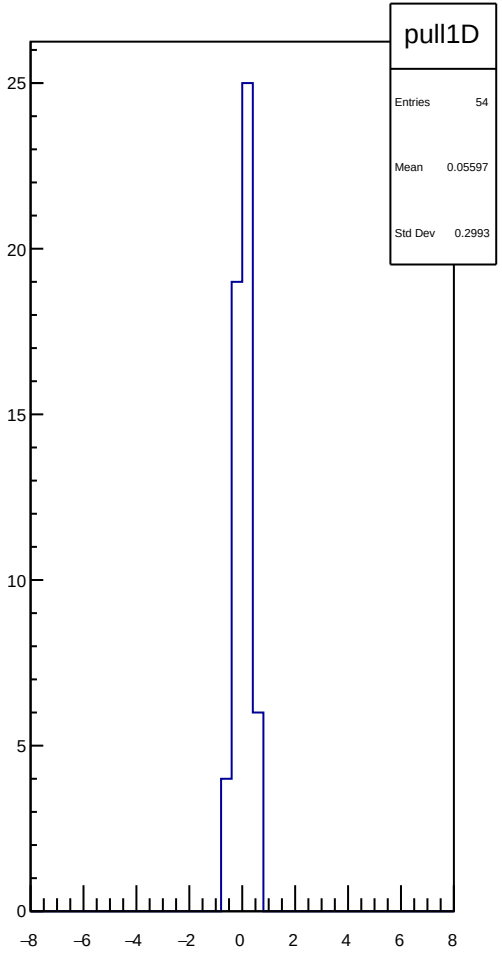

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs run
χ² / ndf 5.393 / 53
p0 −58.17 ± 1.657
pull
Entries 54
Mean −26.27
Std Dev 0
pull1D
Entries 54
Mean −0.06897
Std Dev 0.3084

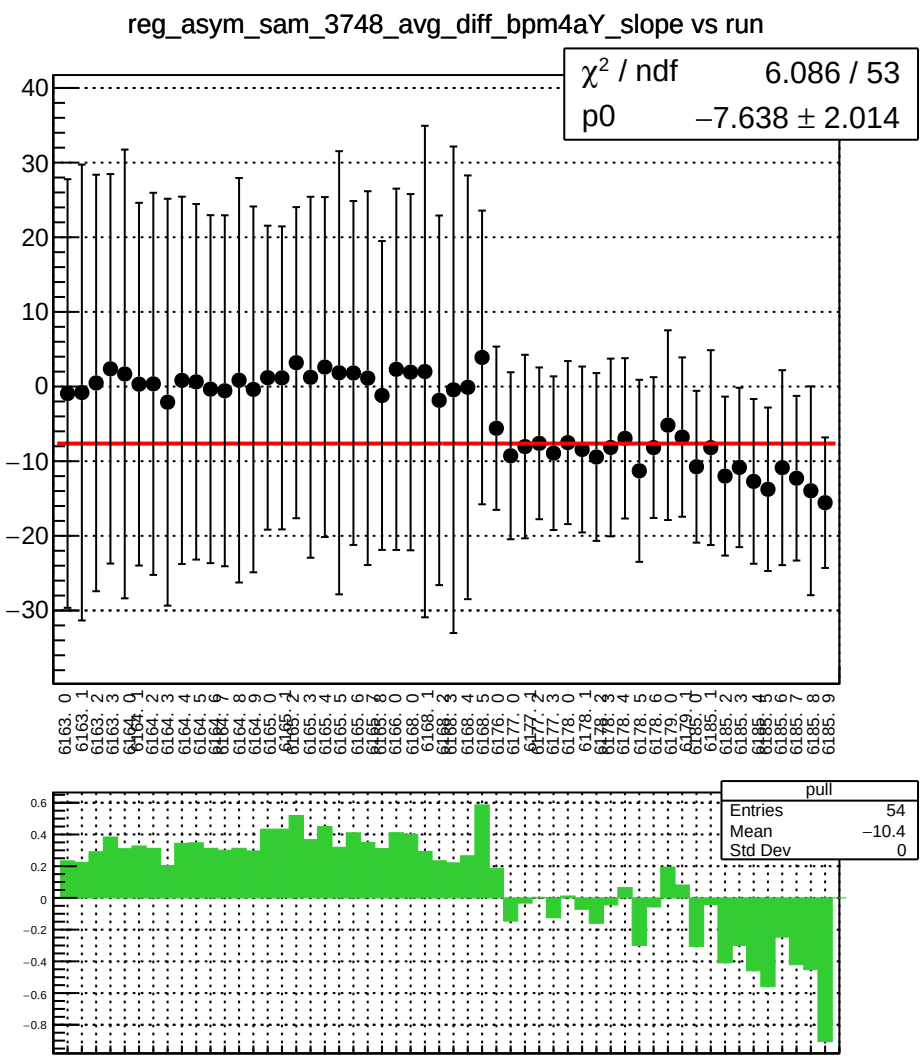

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs run
χ² / ndf 3.264 / 53
p0 102.6 ± 1.655
pull
Entries 54
Mean −28.11
Std Dev 0
pull1D
Entries 54
Mean −0.02709
Std Dev 0.2443

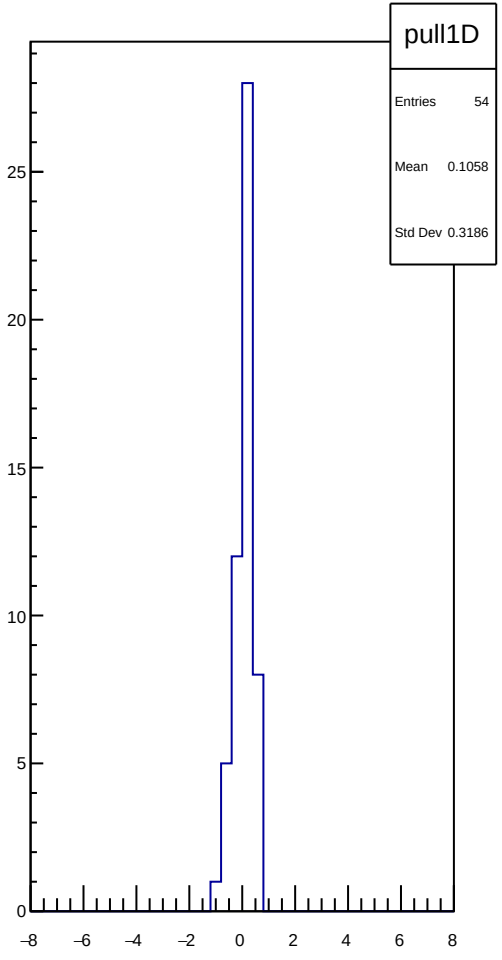

reg_asym_sam_1548_avg_diff_bpm12X_slope vs run
χ² / ndf 5.91 / 53
p0 −0.664 ± 0.1339
pull
Entries 54
Mean −23.1
Std Dev 0

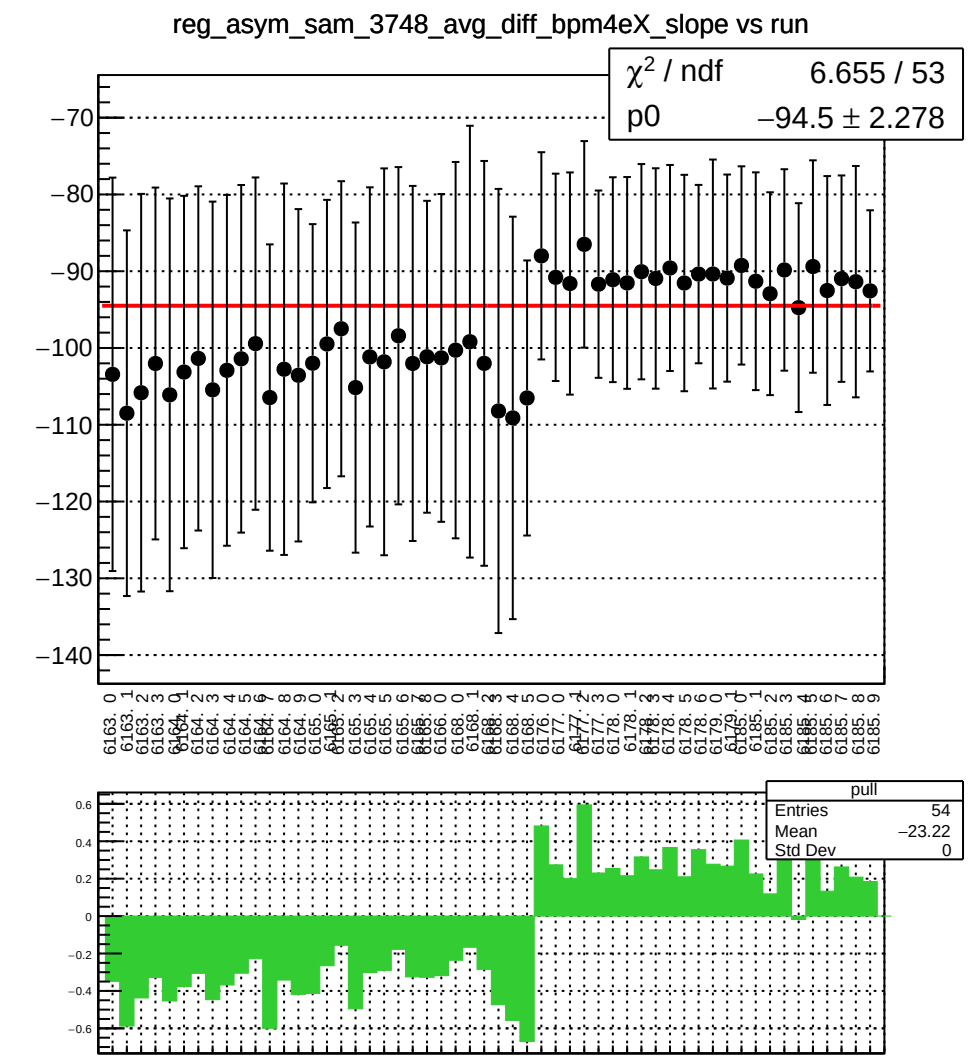

pull1D
Entries 54
Mean 0.07816
Std Dev 0.3215

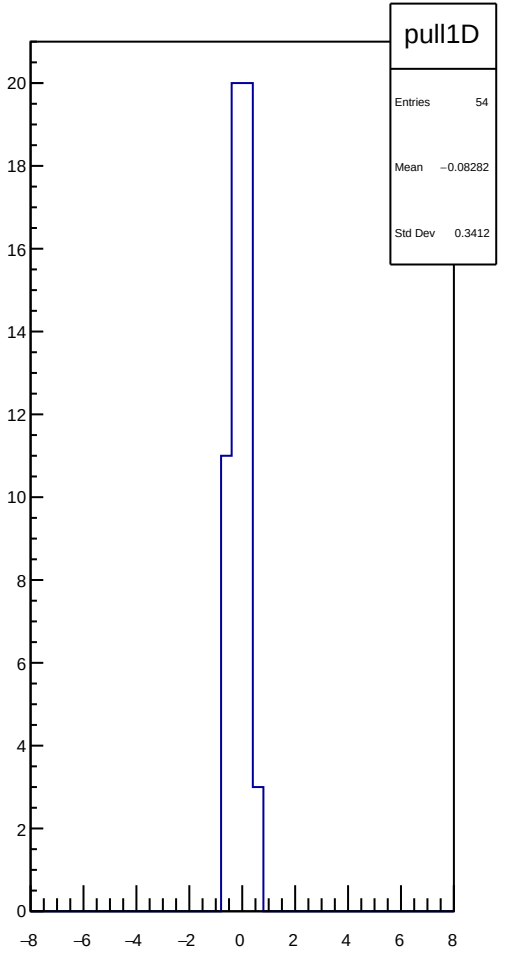

reg_asym_sam_3748_avg_diff_bpm1X_slope vs run
χ² / ndf 5.006 / 53
p0 −4.328 ± 1.994
pull
Entries 54
Mean −31.8
Std Dev 0

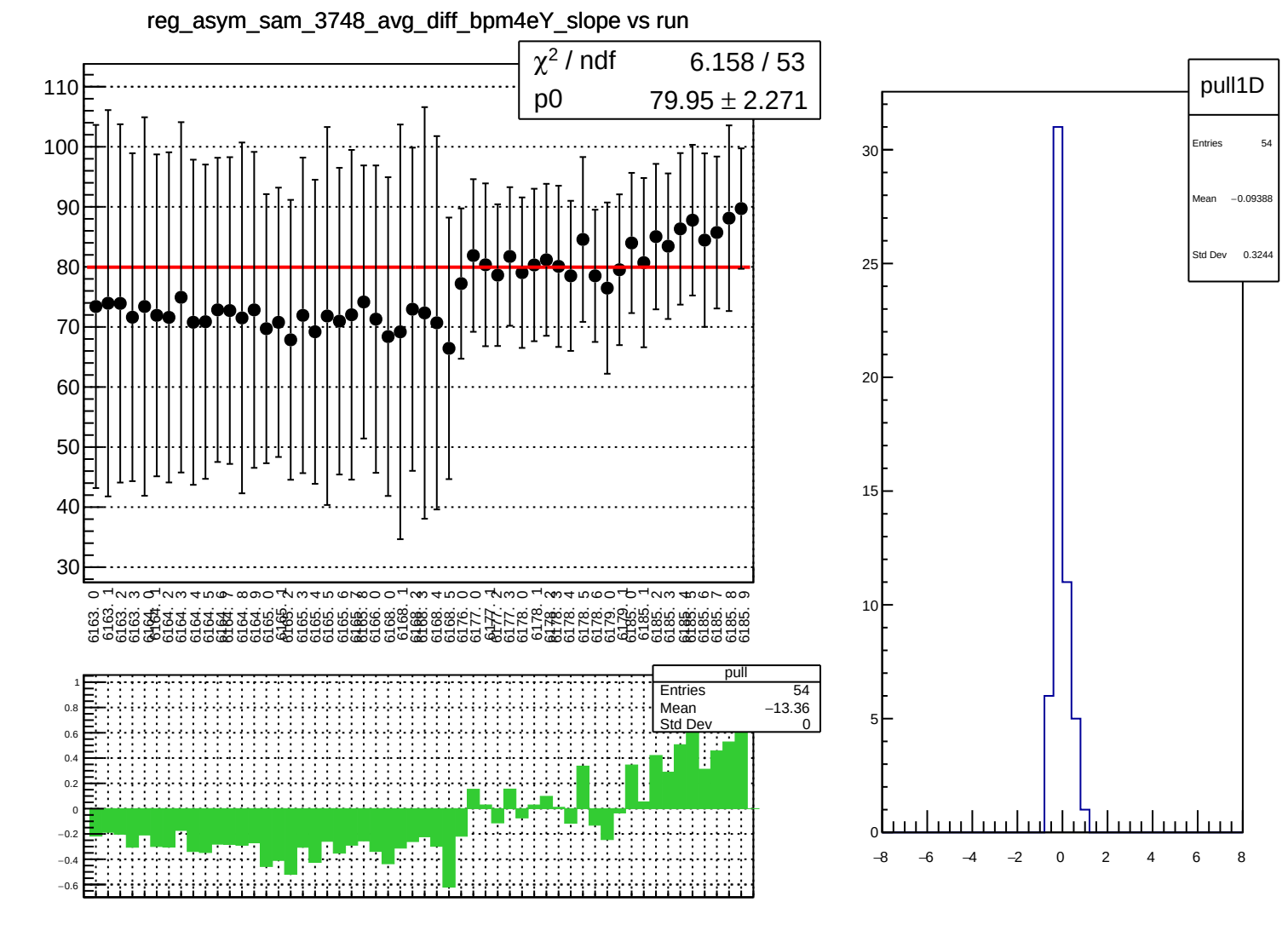

pull1D
Entries 54
Mean 0.05597
Std Dev 0.2993

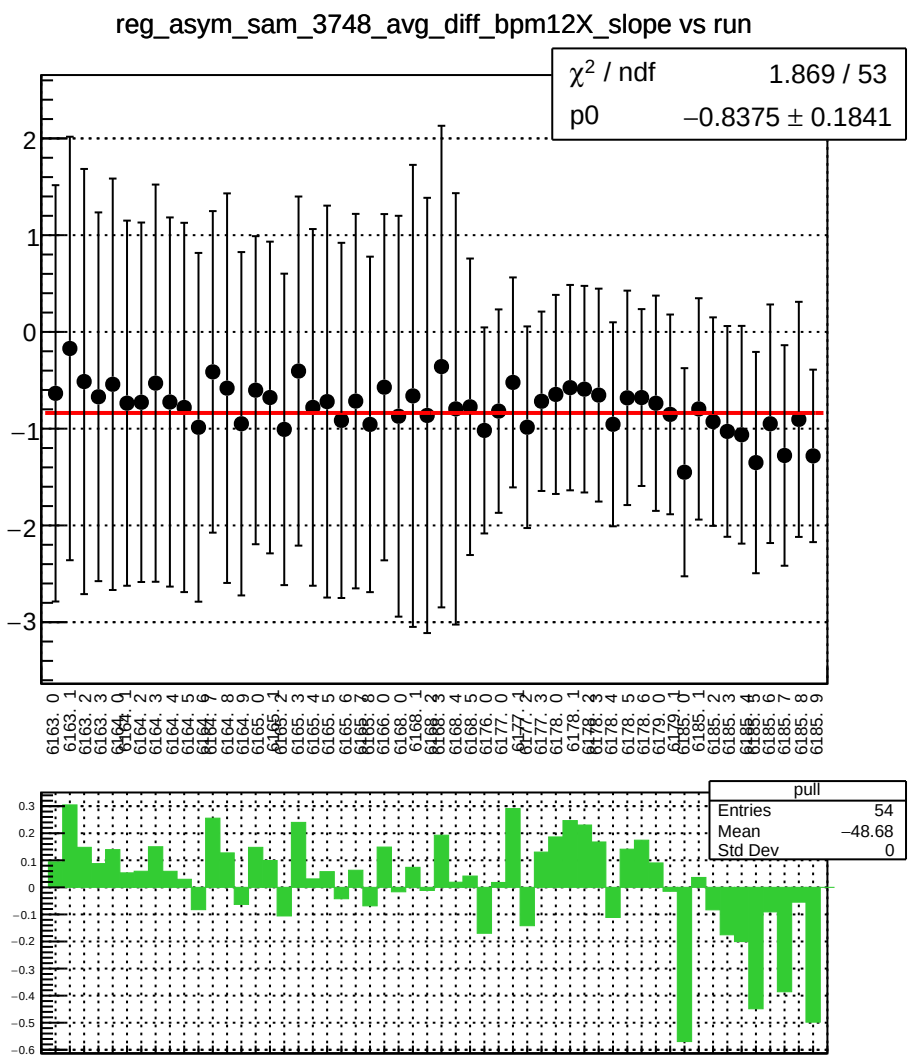

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs run
χ² / ndf 6.086 / 53
p0 −7.638 ± 2.014
pull
Entries 54
Mean −10.4
Std Dev 0

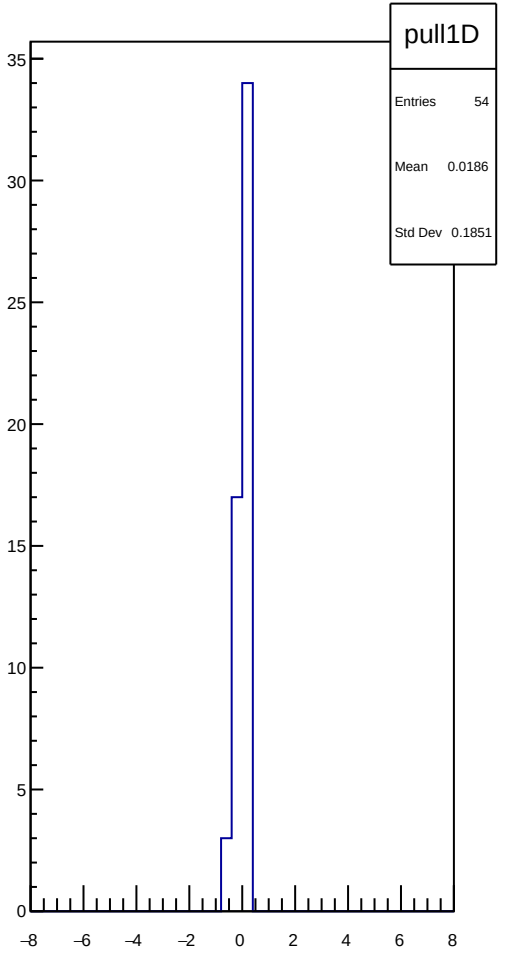

pull1D
Entries 54
Mean 0.1058
Std Dev 0.3186

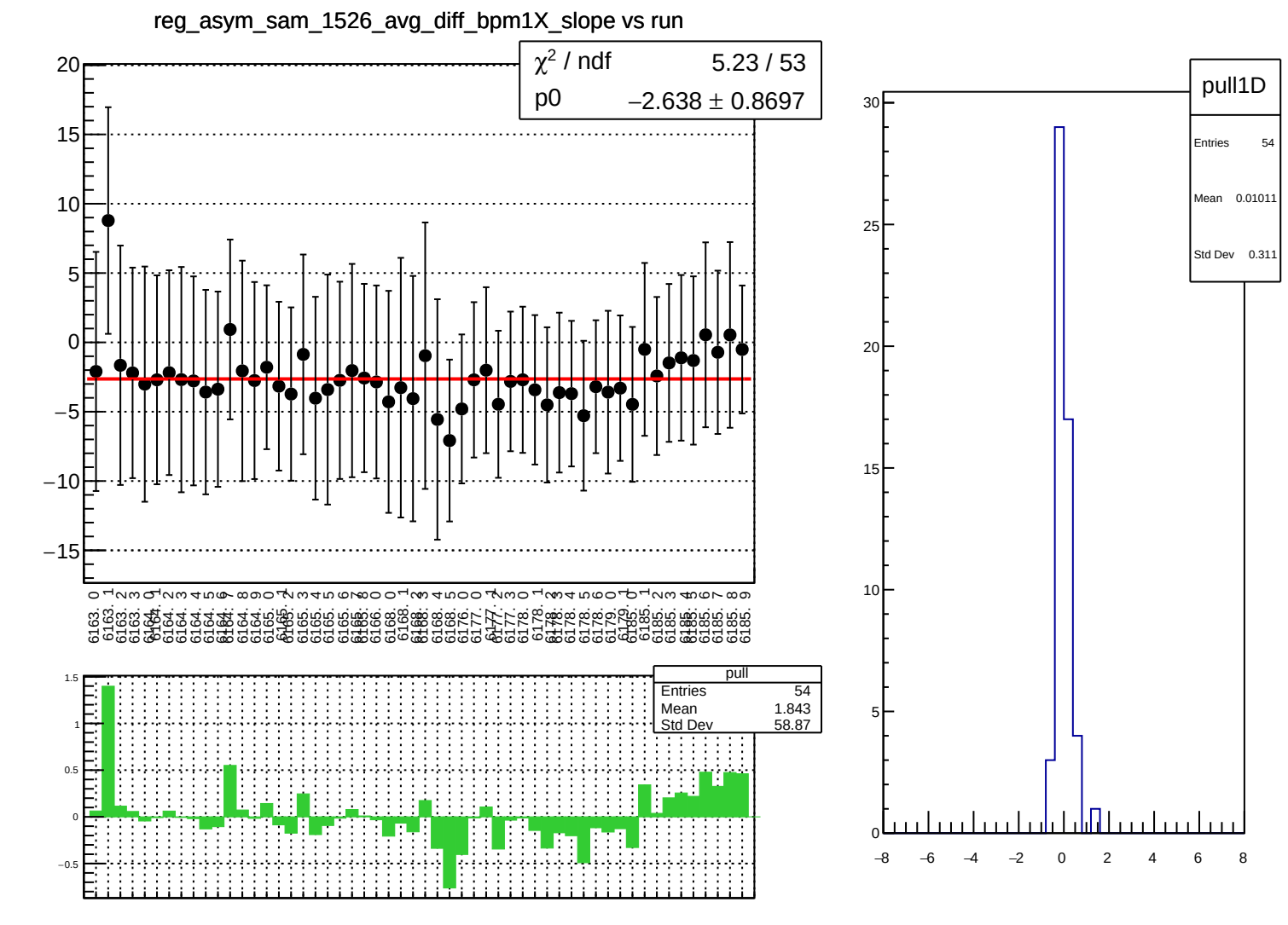

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs run
χ² / ndf 6.655 / 53
p0 −94.5 ± 2.278
pull
Entries 54
Mean −23.22
Std Dev 0

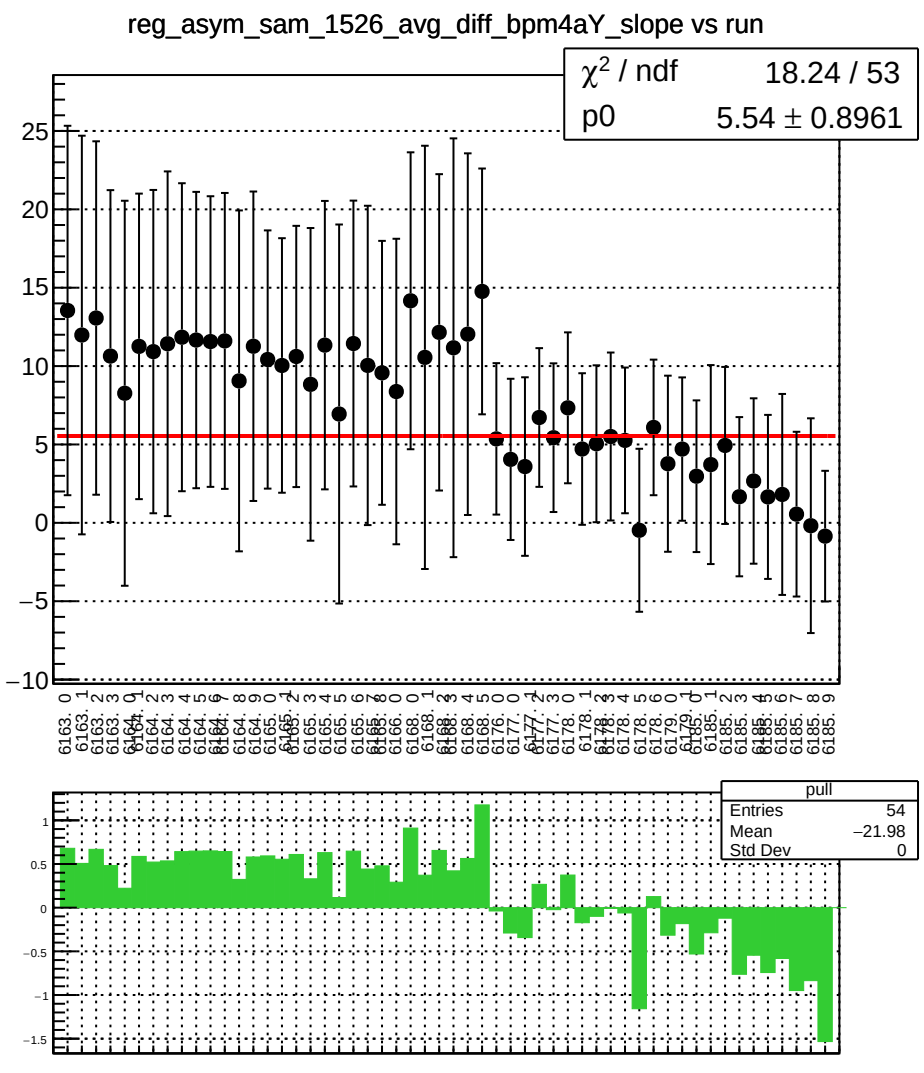

pull1D
Entries 54
Mean −0.08282
Std Dev 0.3412

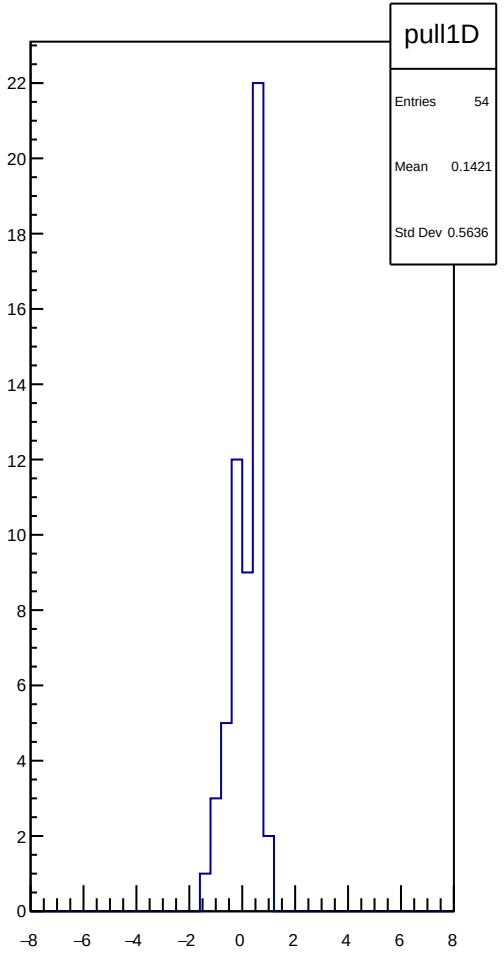

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs run
χ² / ndf 6.158 / 53
p0 79.95 ± 2.271
pull
Entries 54
Mean −13.36
Std Dev 0
pull1D
Entries 54
Mean −0.09388
Std Dev 0.3244

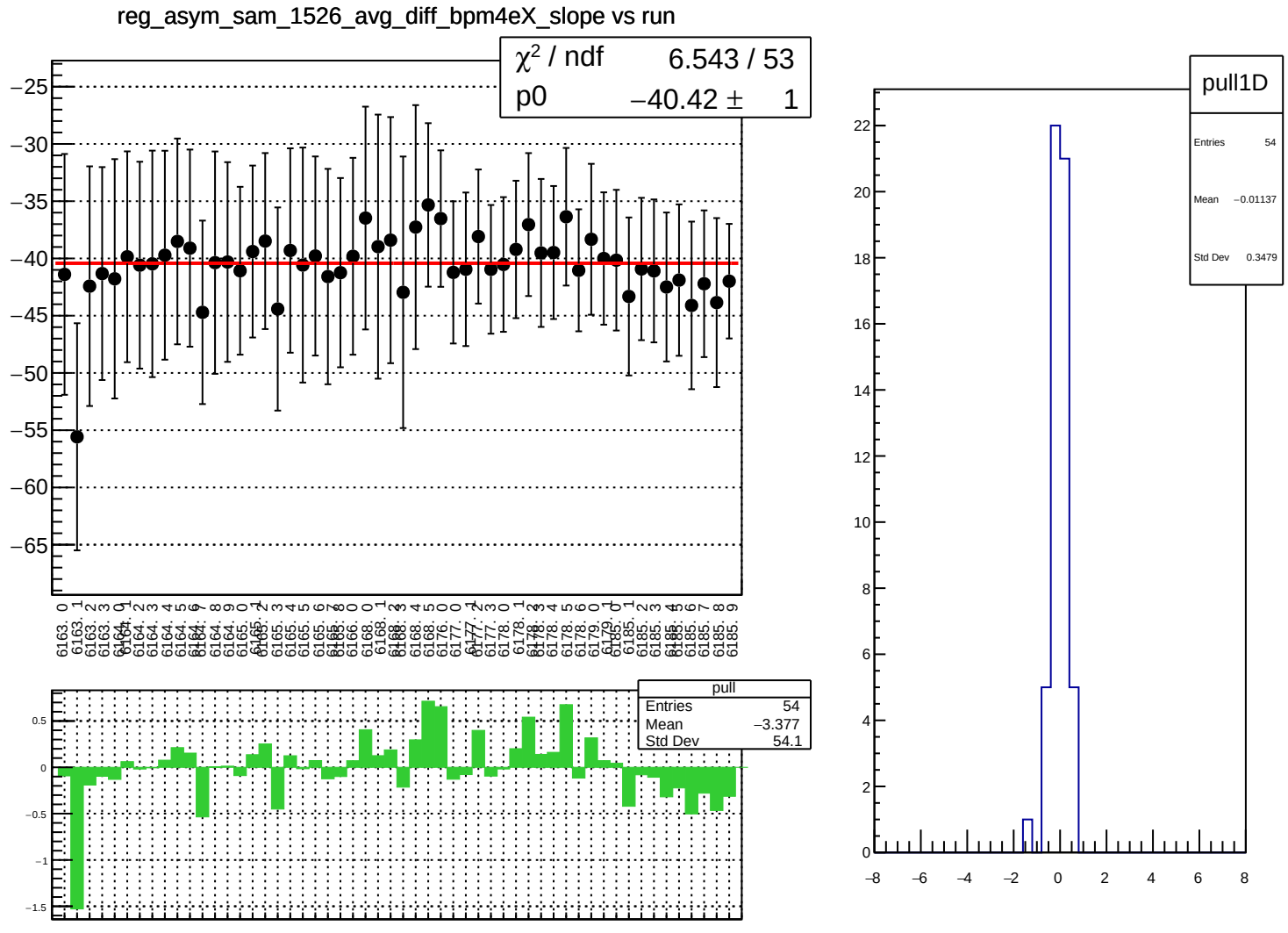

reg_asym_sam_3748_avg_diff_bpm12X_slope vs run
χ² / ndf 1.869 / 53
p0 −0.8375 ± 0.1841
pull
Entries 54
Mean −48.68
Std Dev 0

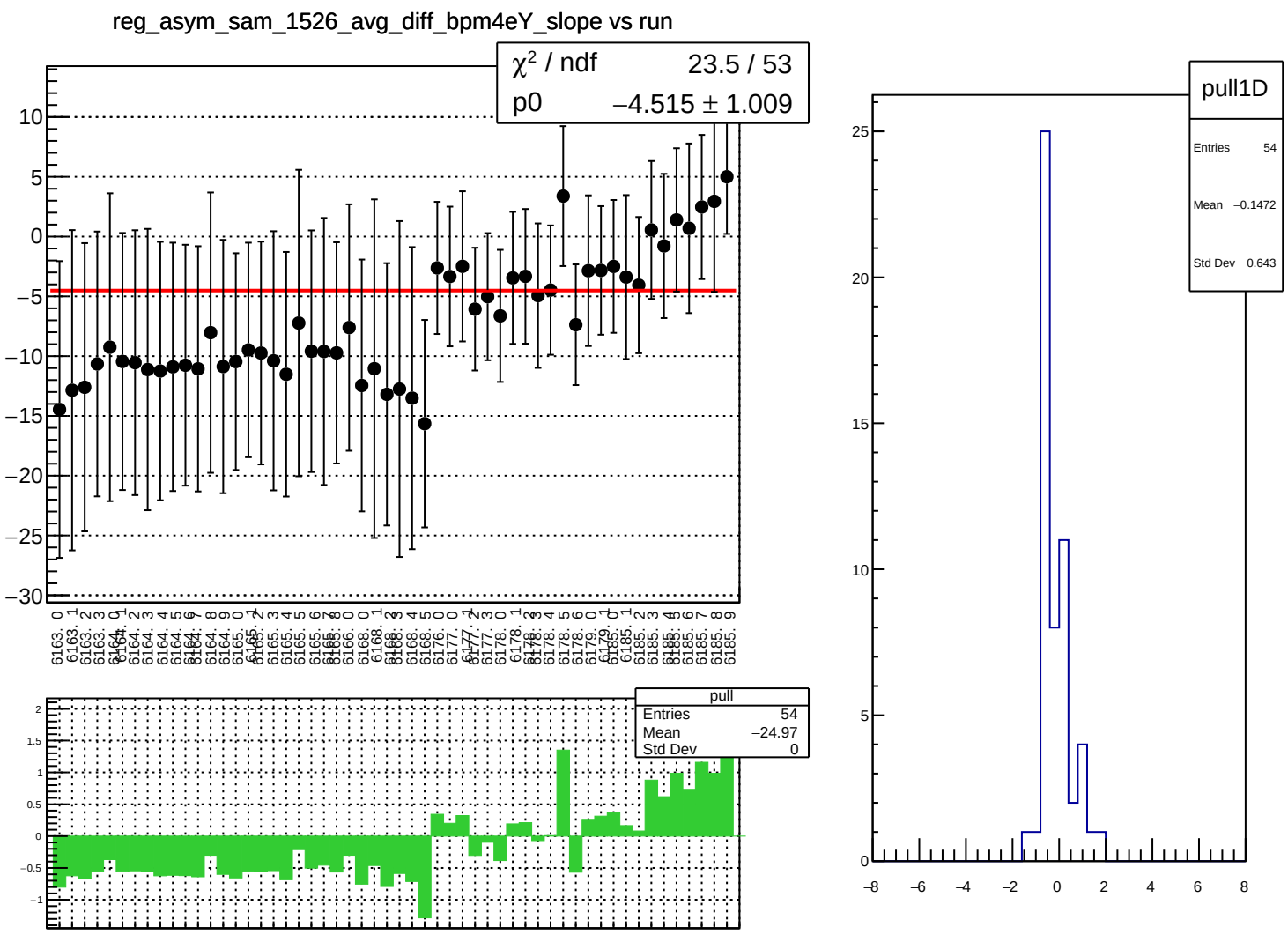

pull1D
Entries 54
Mean 0.0186
Std Dev 0.1851

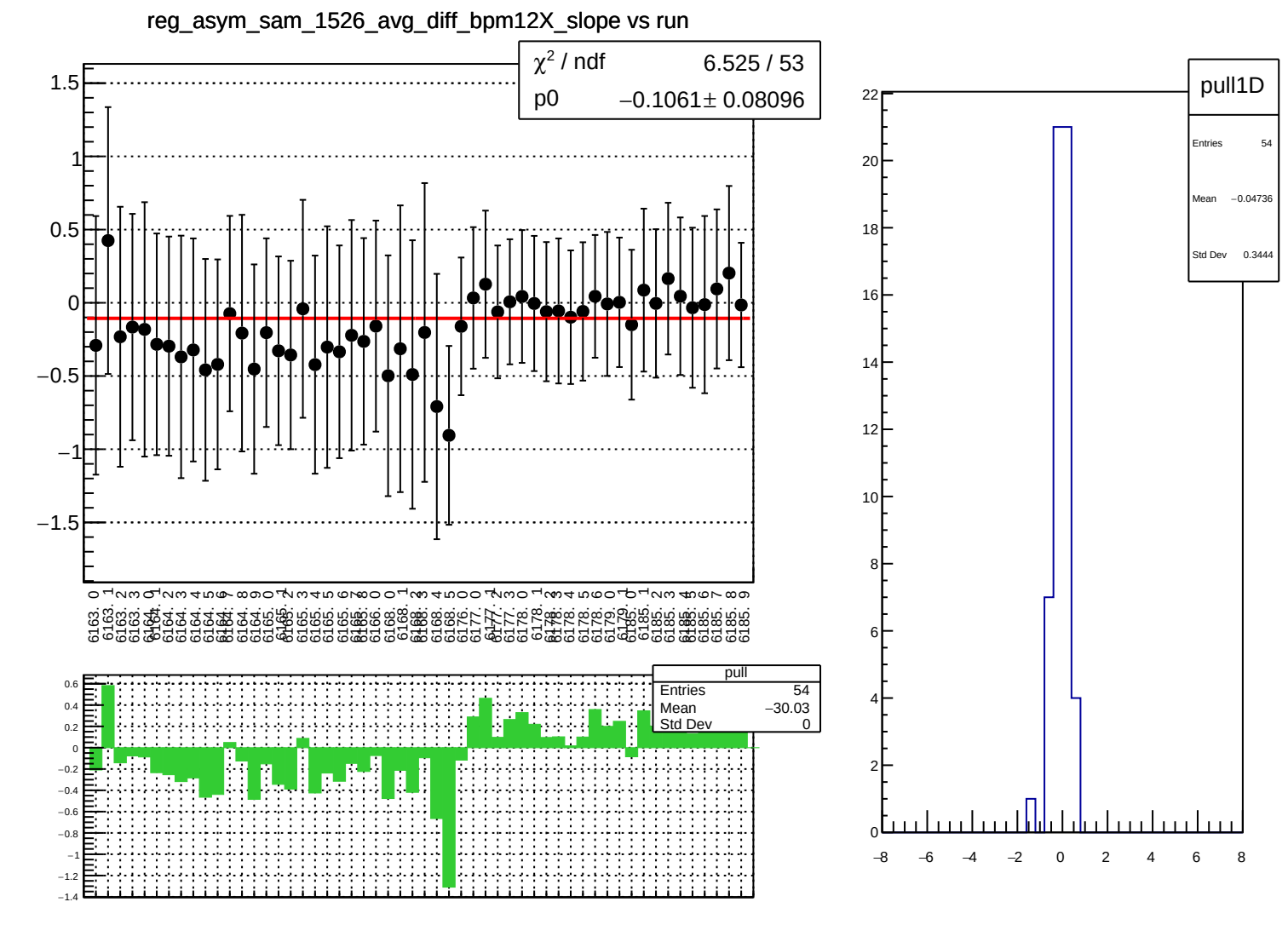

reg_asym_sam_1526_avg_diff_bpm1X_slope vs run
χ² / ndf 5.23 / 53
p0 −2.638 ± 0.8697
pull
Entries 54
Mean 1.843
Std Dev 58.87
pull1D
Entries 54
Mean 0.01011
Std Dev 0.311

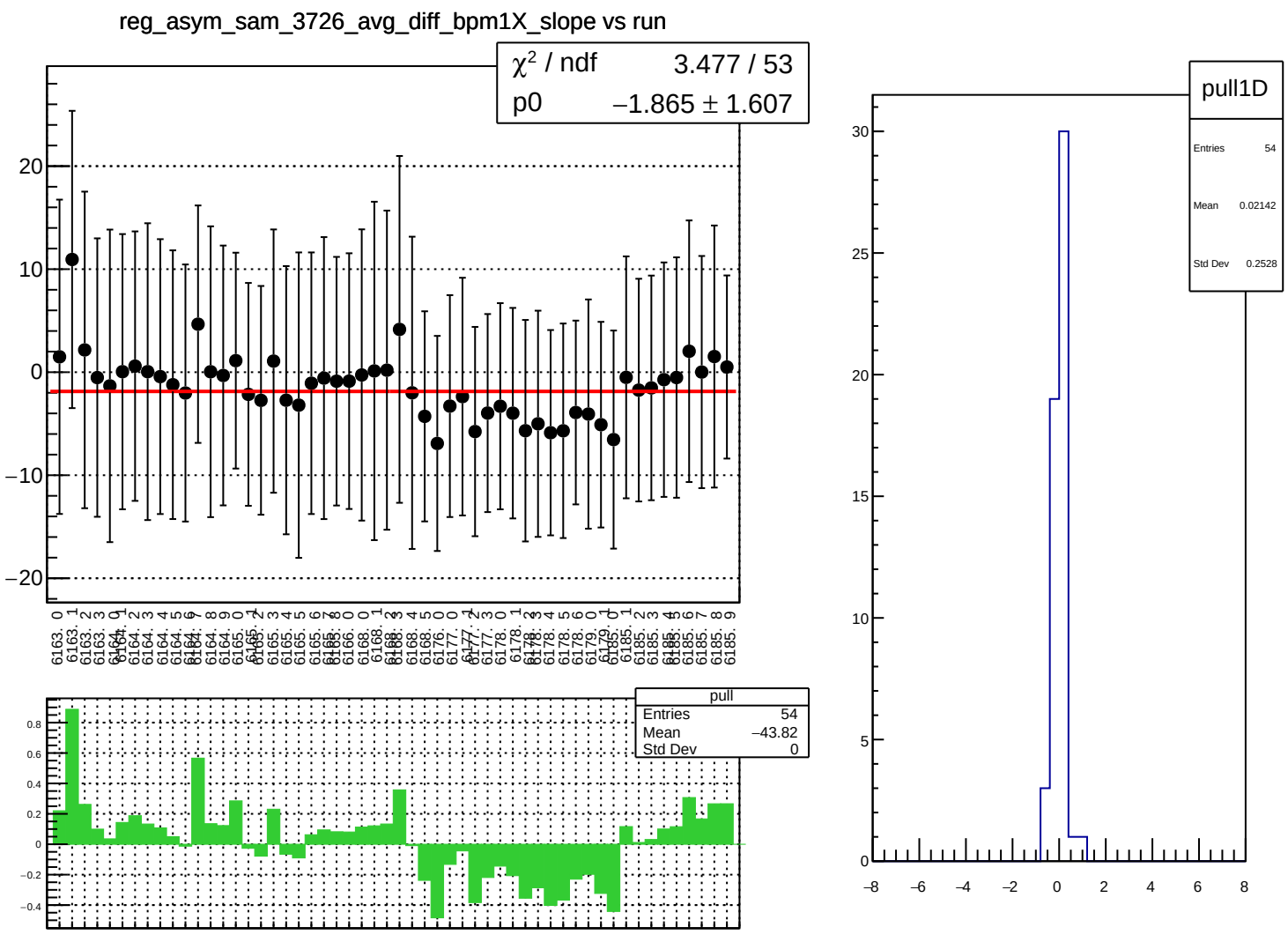

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs run
χ² / ndf 18.24 / 53
p0 5.54 ± 0.8961
pull
Entries 54
Mean −21.98
Std Dev 0

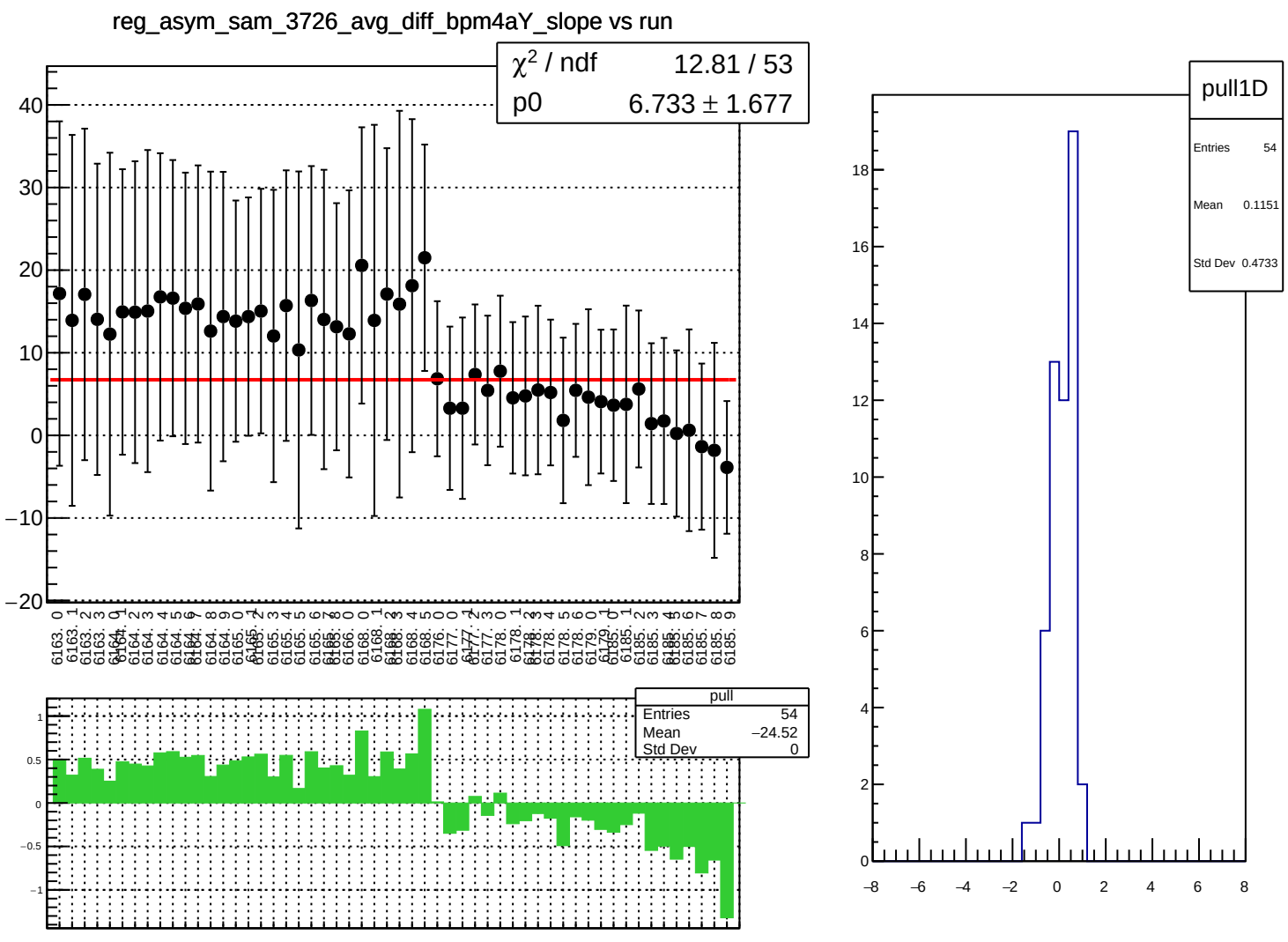

pull1D
Entries 54
Mean 0.1421
Std Dev 0.5636

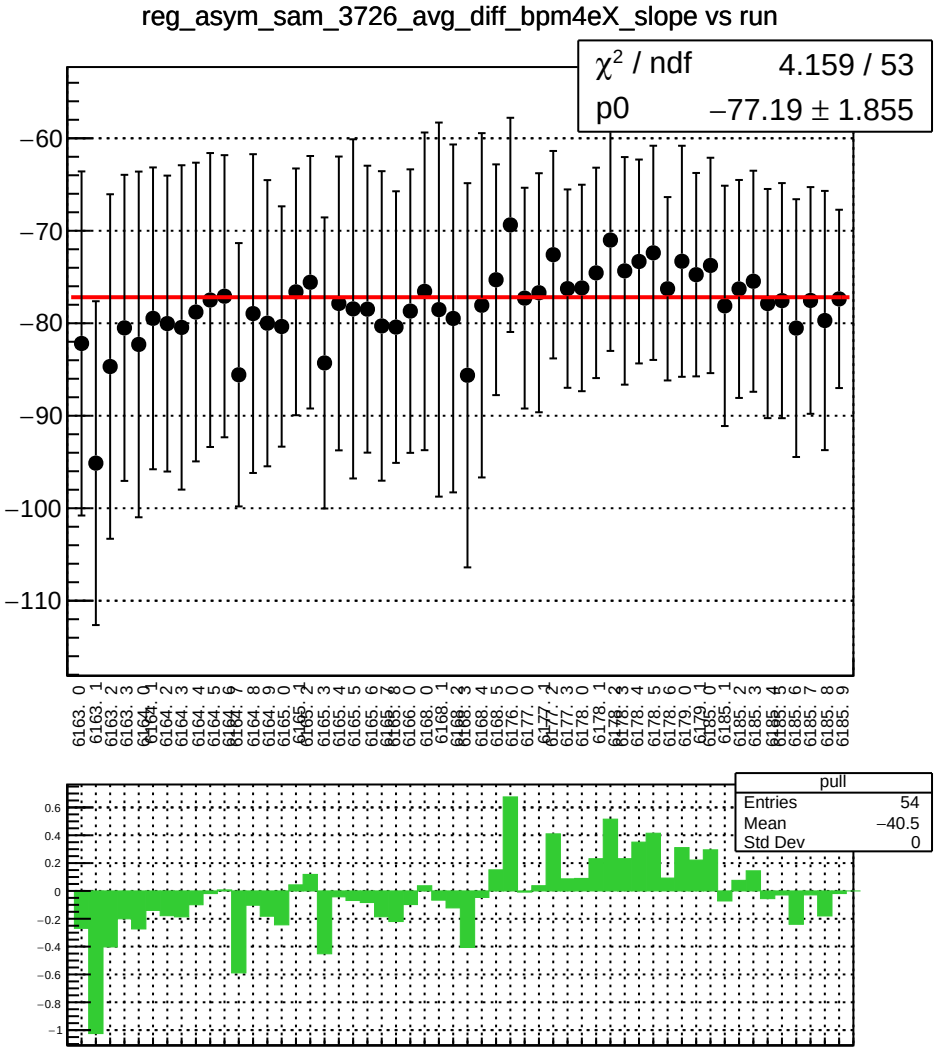

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs run
χ² / ndf 6.543 / 53
p0 −40.42 ± 1
pull
Entries 54
Mean −3.377
Std Dev 54.1
pull1D
Entries 54
Mean −0.01137
Std Dev 0.3479

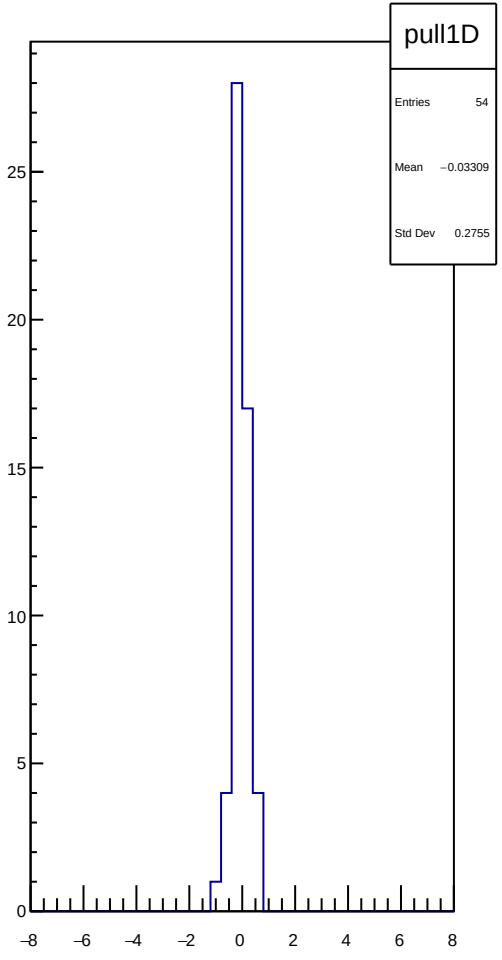

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs run
χ² / ndf 23.5 / 53
p0 −4.515 ± 1.009
pull
Entries 54
Mean −24.97
Std Dev 0
pull1D
Entries 54
Mean −0.1472
Std Dev 0.643

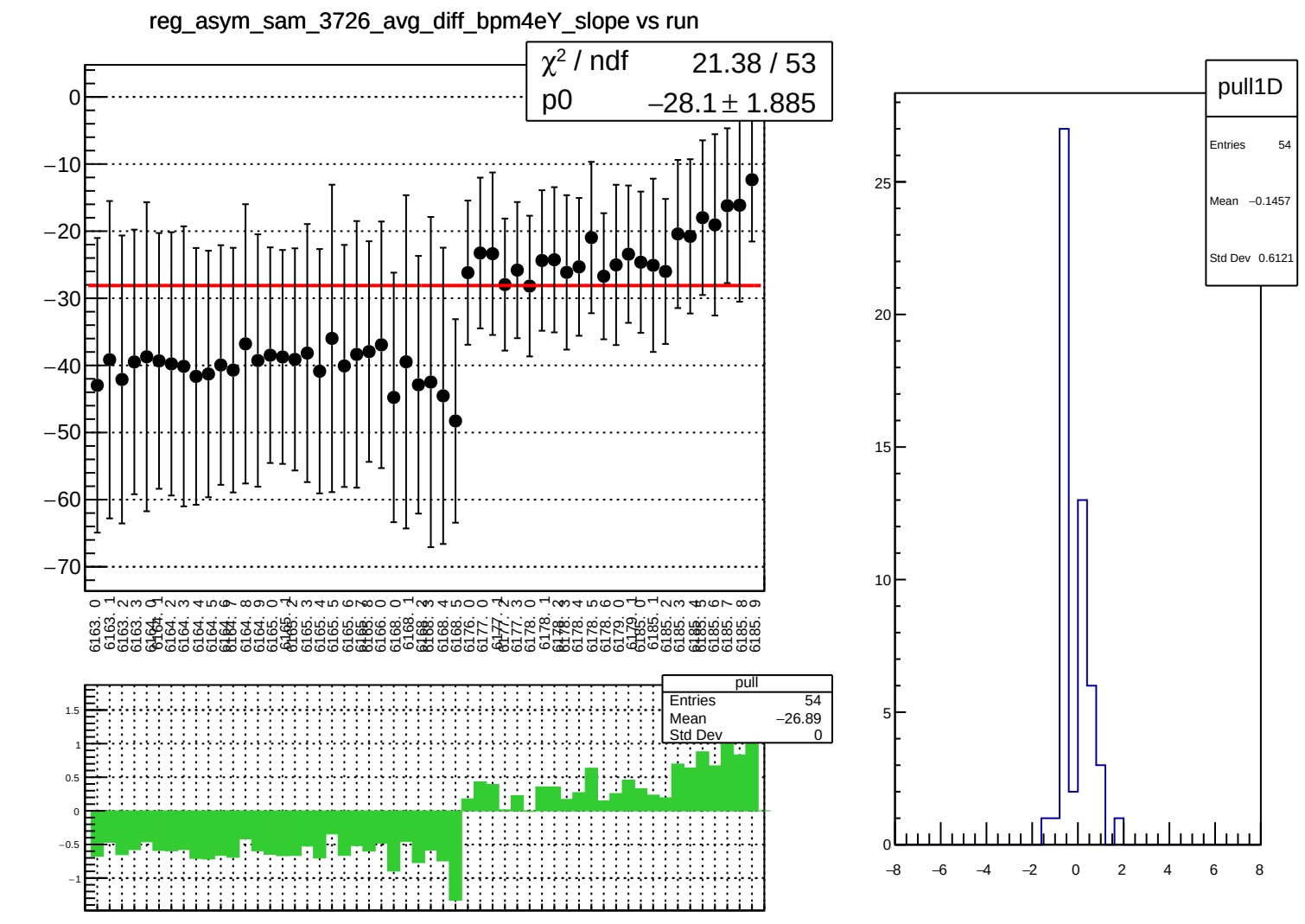

reg_asym_sam_1526_avg_diff_bpm12X_slope vs run
χ² / ndf 6.525 / 53
p0 −0.1061 ± 0.08096
pull
Entries 54
Mean −30.03
Std Dev 0
pull1D
Entries 54
Mean −0.04736
Std Dev 0.3444

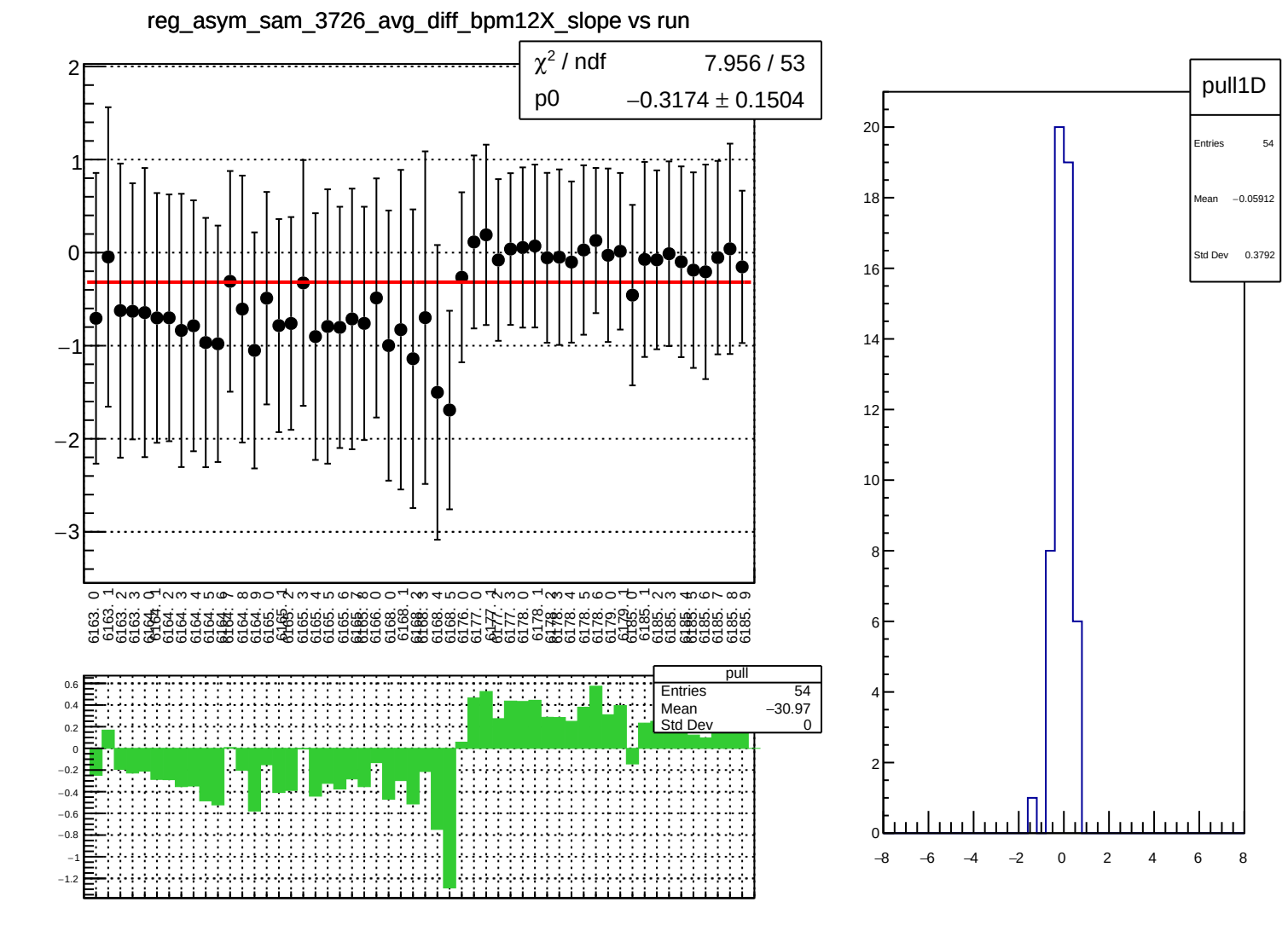

reg_asym_sam_3726_avg_diff_bpm1X_slope vs run
χ² / ndf 3.477 / 53
p0 −1.865 ± 1.607
pull
Entries 54
Mean −43.82
Std Dev 0
pull1D
Entries 54
Mean 0.02142
Std Dev 0.2528

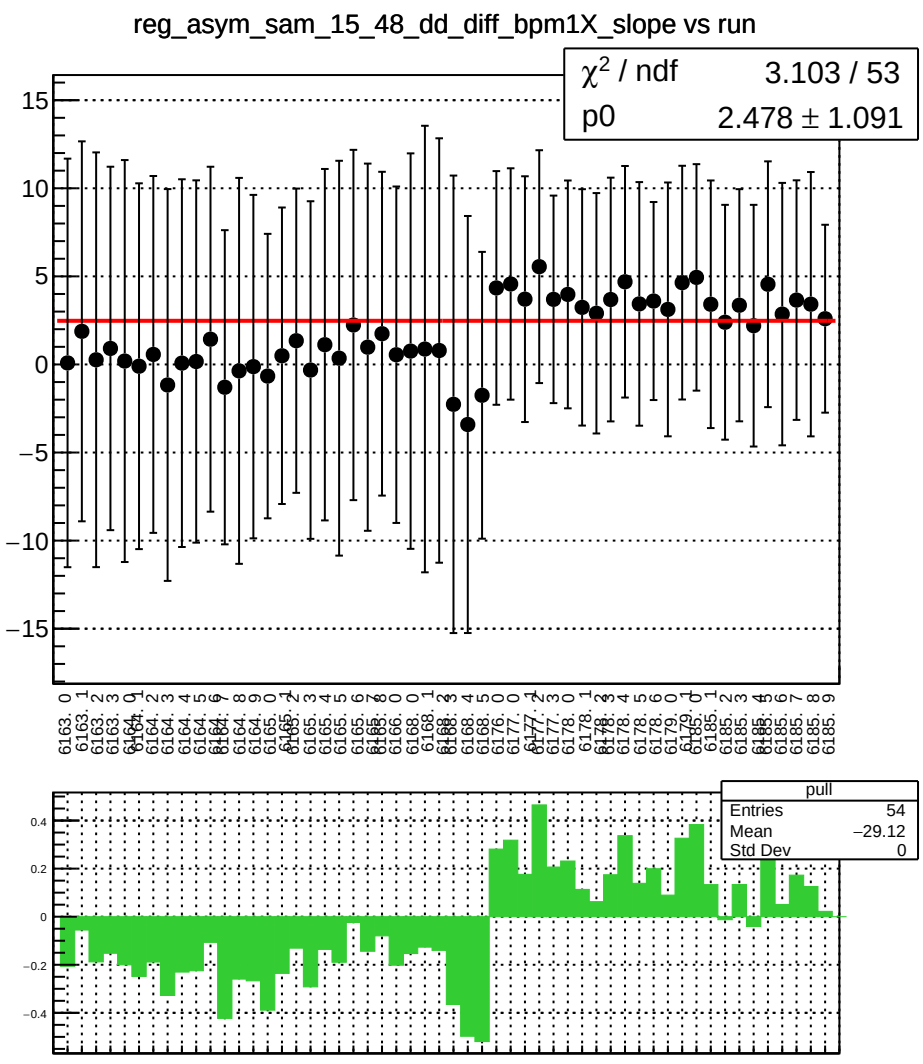

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs run
χ² / ndf 12.81 / 53
p0 6.733 ± 1.677
pull
Entries 54
Mean −24.52
Std Dev 0
pull1D
Entries 54
Mean 0.1151
Std Dev 0.4733

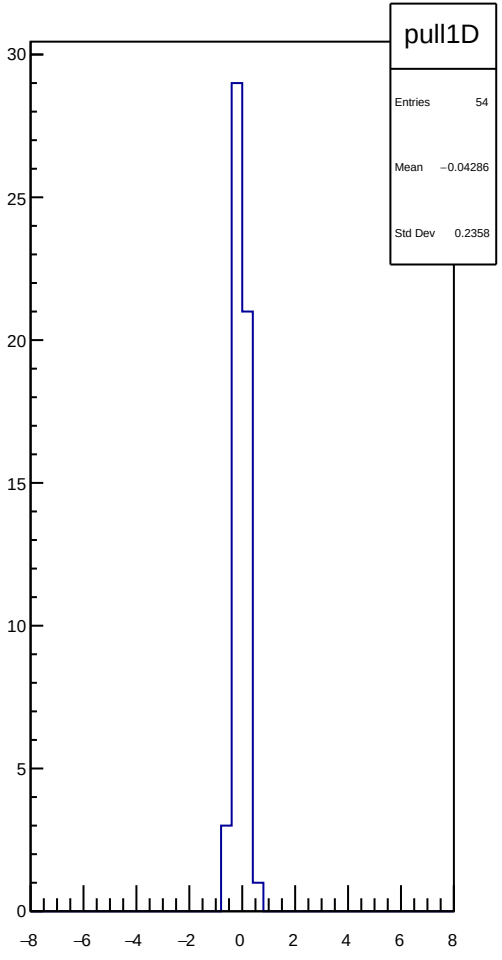

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs run
χ² / ndf 4.159 / 53
p0 −77.19 ± 1.855
pull
Entries 54
Mean −40.5
Std Dev 0

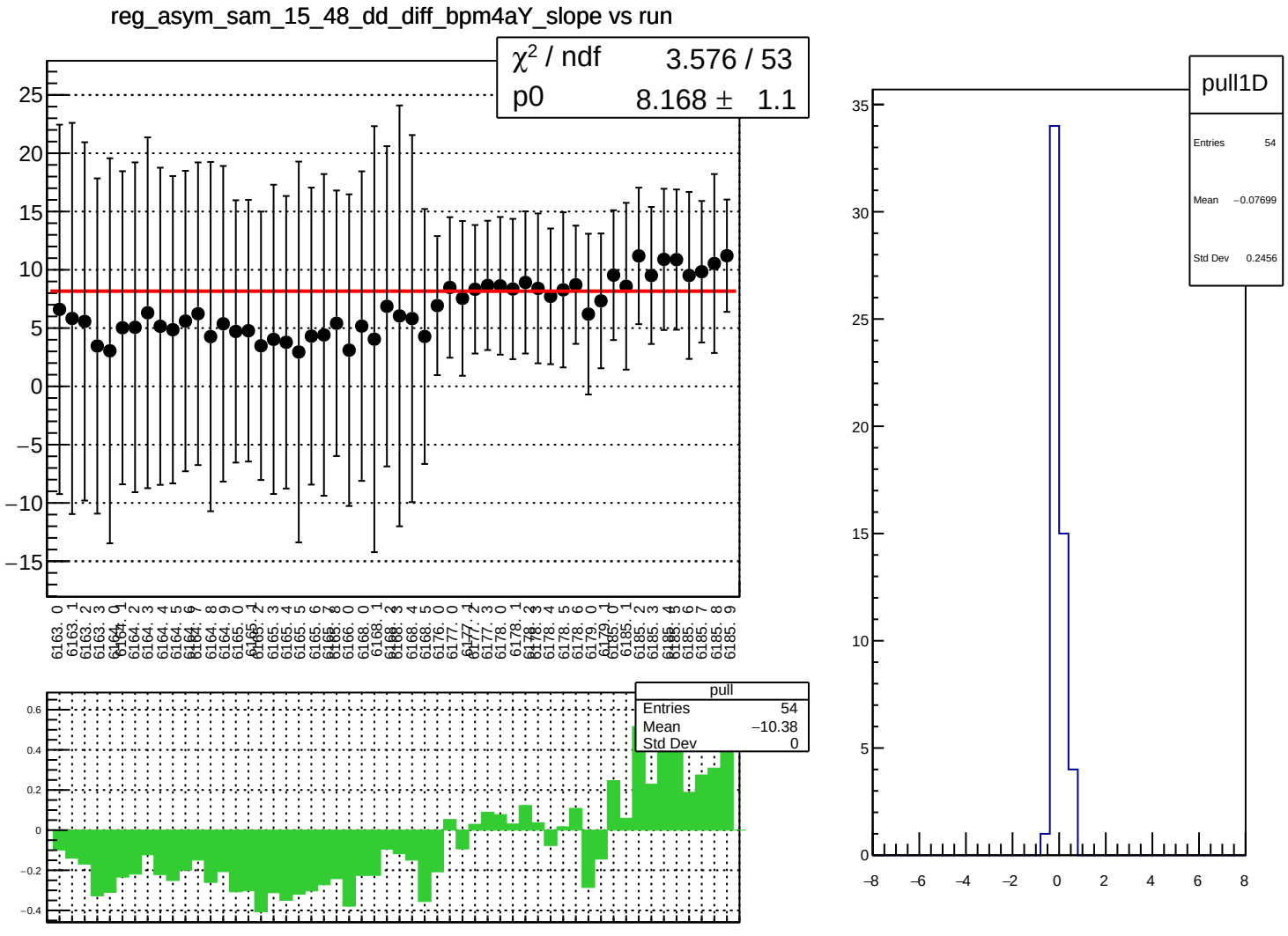

pull1D
Entries 54
Mean −0.03309
Std Dev 0.2755

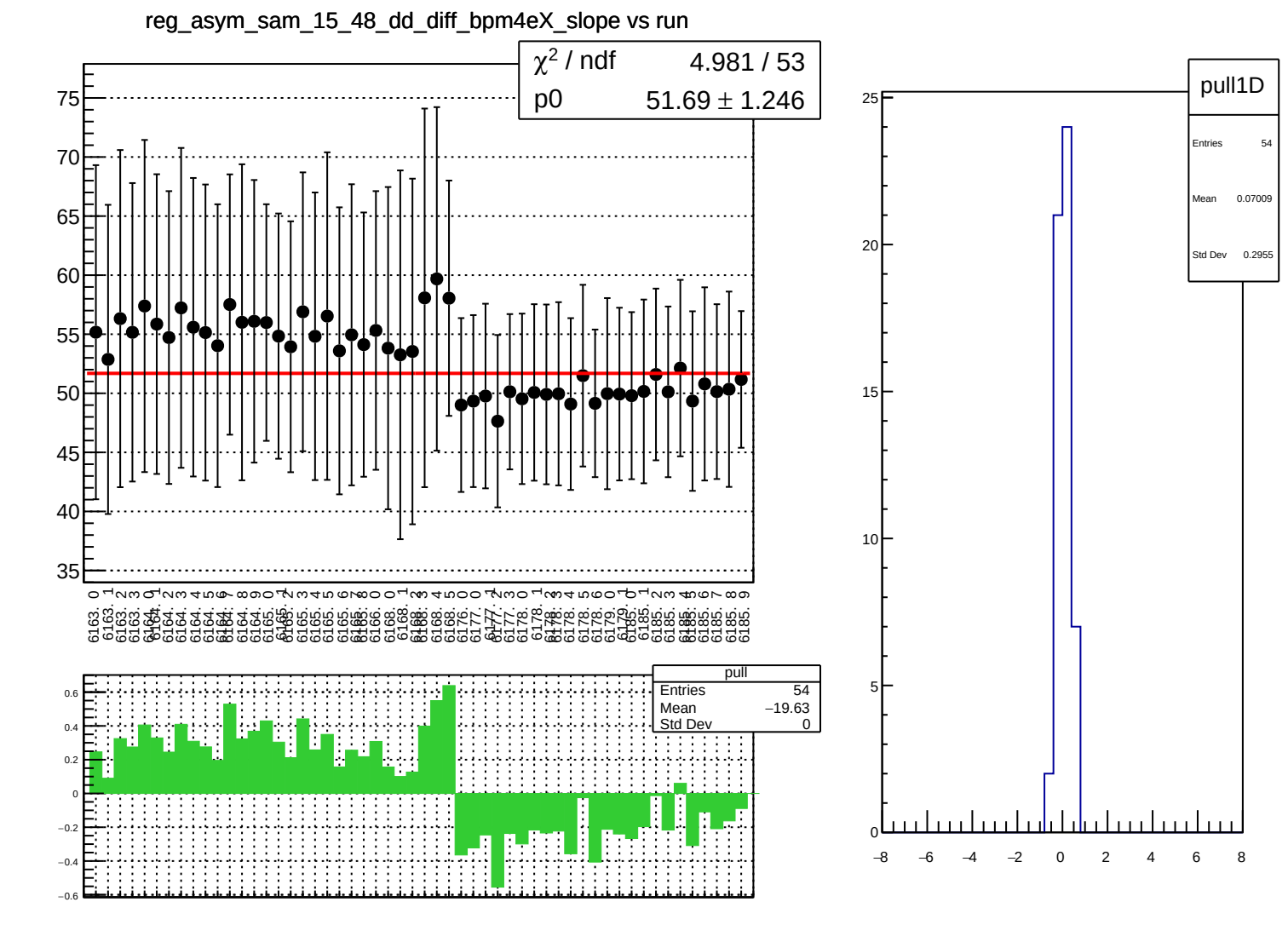

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs run
χ² / ndf 21.38 / 53
p0 −28.1 ± 1.885
pull
Entries 54
Mean −26.89
Std Dev 0
pull1D
Entries 54
Mean −0.1457
Std Dev 0.6121

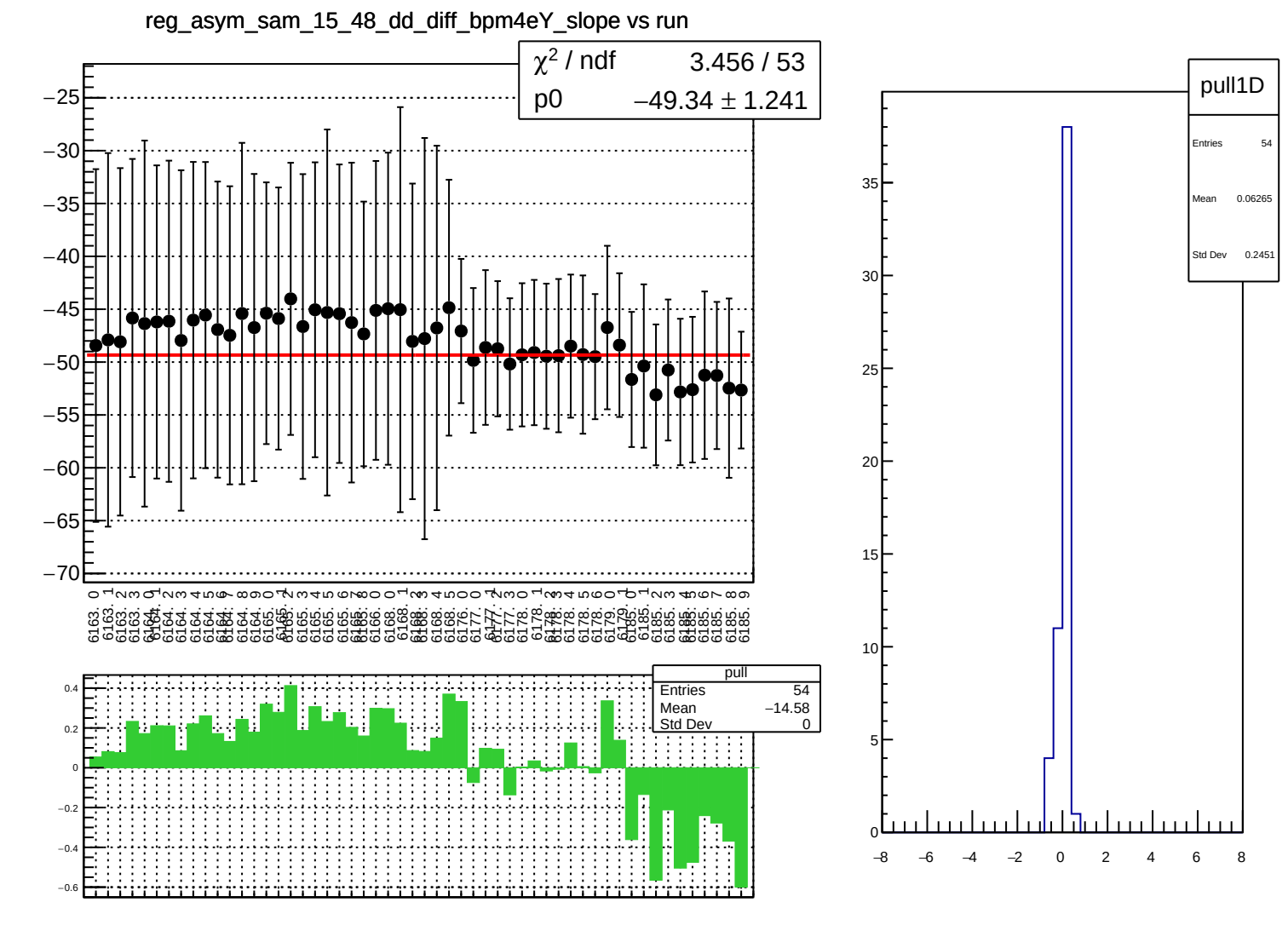

reg_asym_sam_3726_avg_diff_bpm12X_slope vs run
χ² / ndf 7.956 / 53
p0 −0.3174 ± 0.1504
pull
Entries 54
Mean −30.97
Std Dev 0
pull1D
Entries 54
Mean −0.05912
Std Dev 0.3792

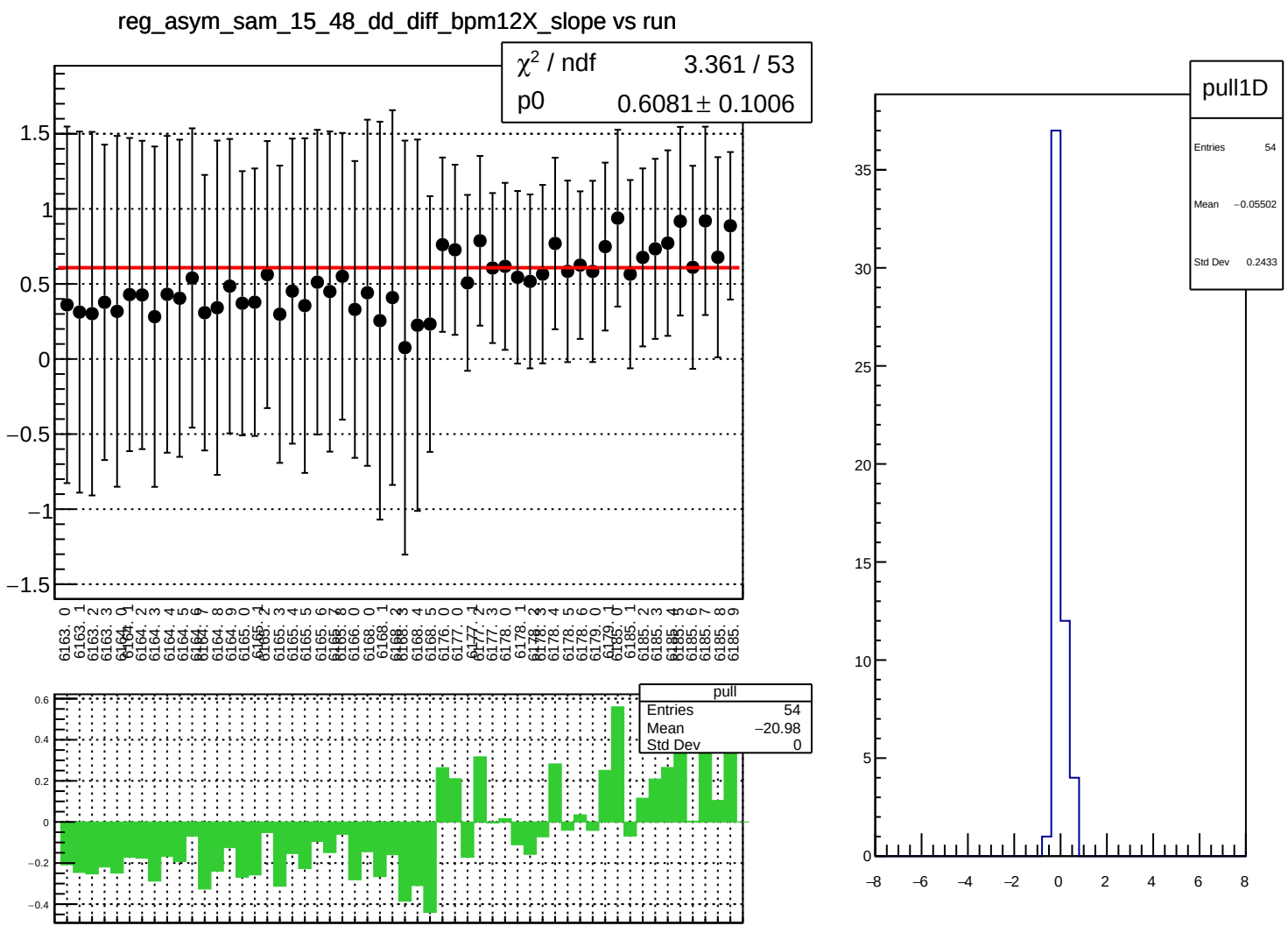

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs run
χ² / ndf 3.103 / 53
p0 2.478 ± 1.091
pull
Entries 54
Mean −29.12
Std Dev 0

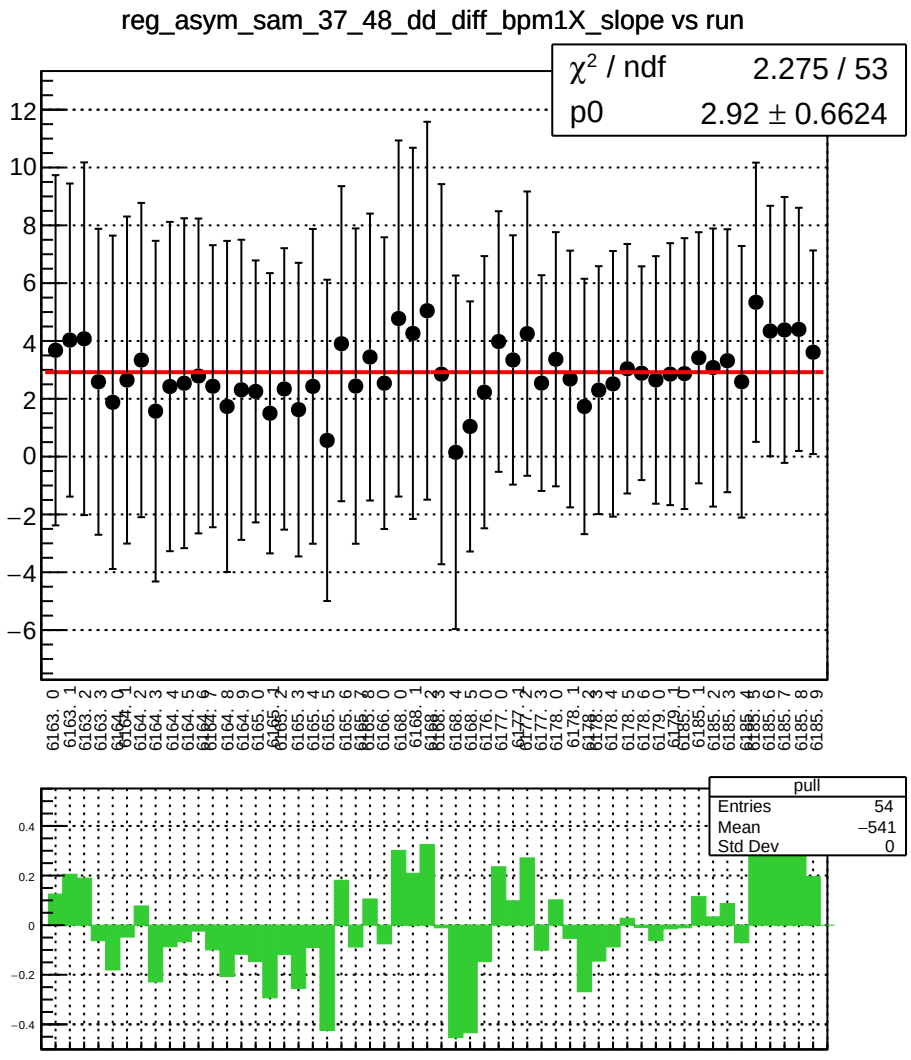

pull1D
Entries 54
Mean −0.04286
Std Dev 0.2358

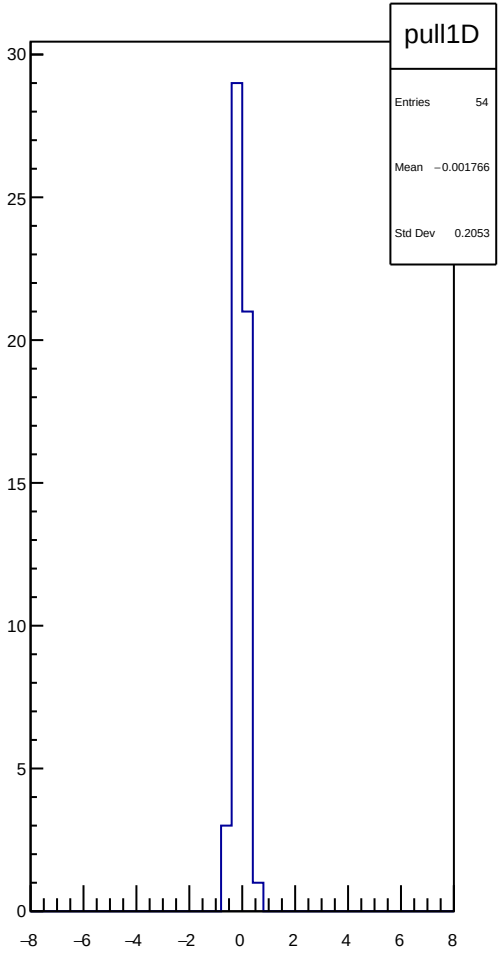

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 3.576 / 53
p0 8.168 ± 1.1
pull
Entries 54
Mean −10.38
Std Dev 0
pull1D
Entries 54
Mean −0.07699
Std Dev 0.2456

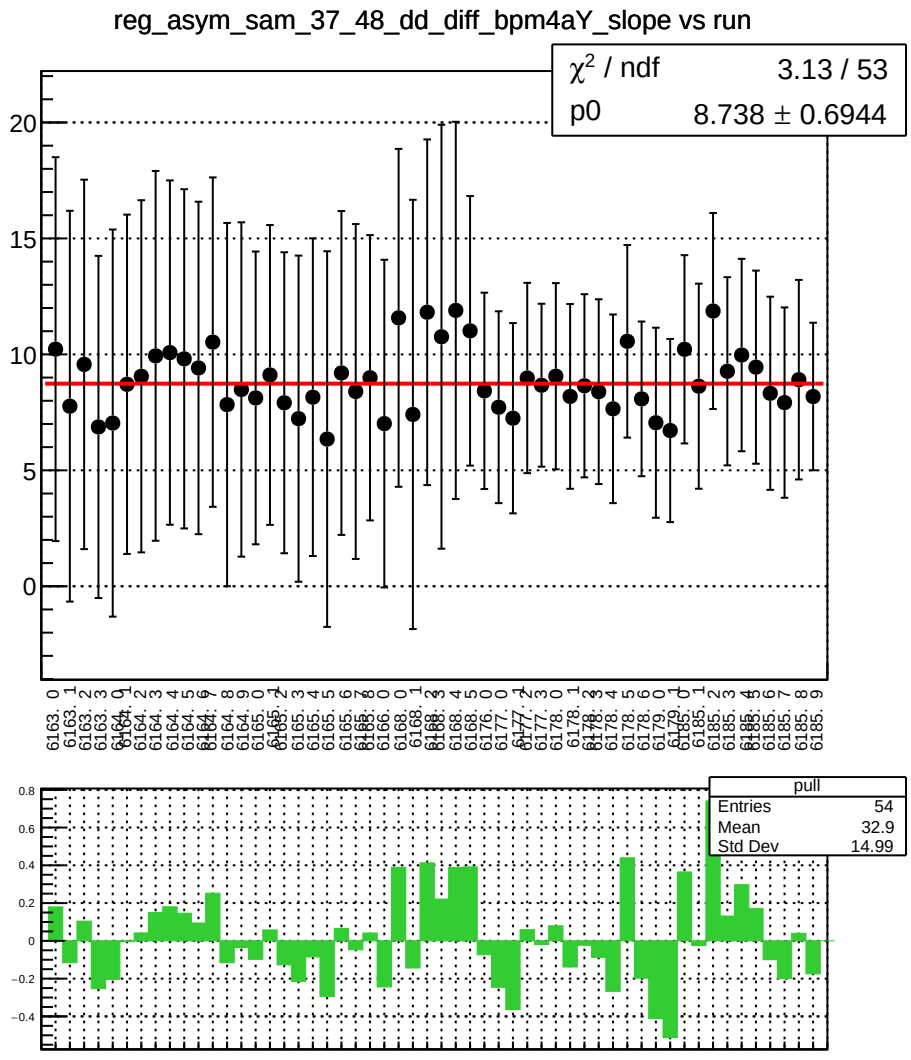

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 4.981 / 53
p0 51.69 ± 1.246
pull
Entries 54
Mean −19.63
Std Dev 0
pull1D
Entries 54
Mean 0.07009
Std Dev 0.2955

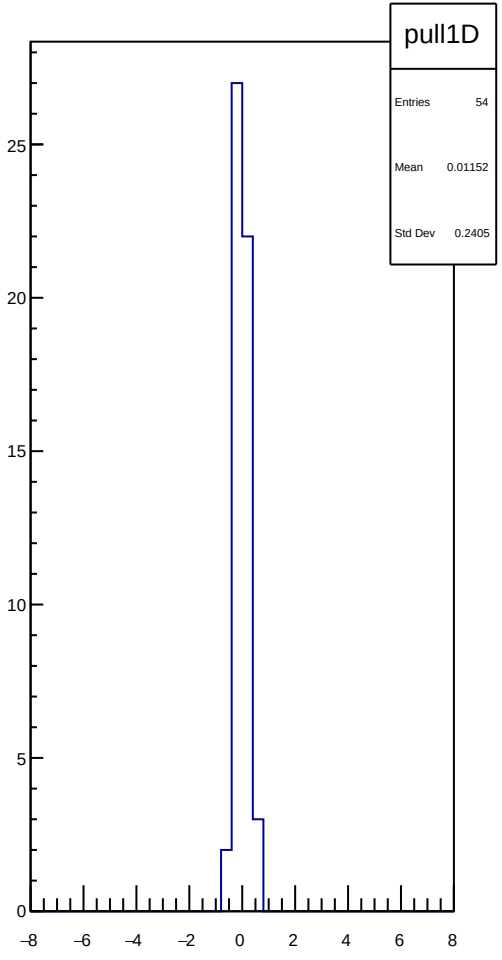

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 3.456 / 53
p0 −49.34 ± 1.241
pull
Entries 54
Mean −14.58
Std Dev 0
pull1D
Entries 54
Mean 0.06265
Std Dev 0.2451

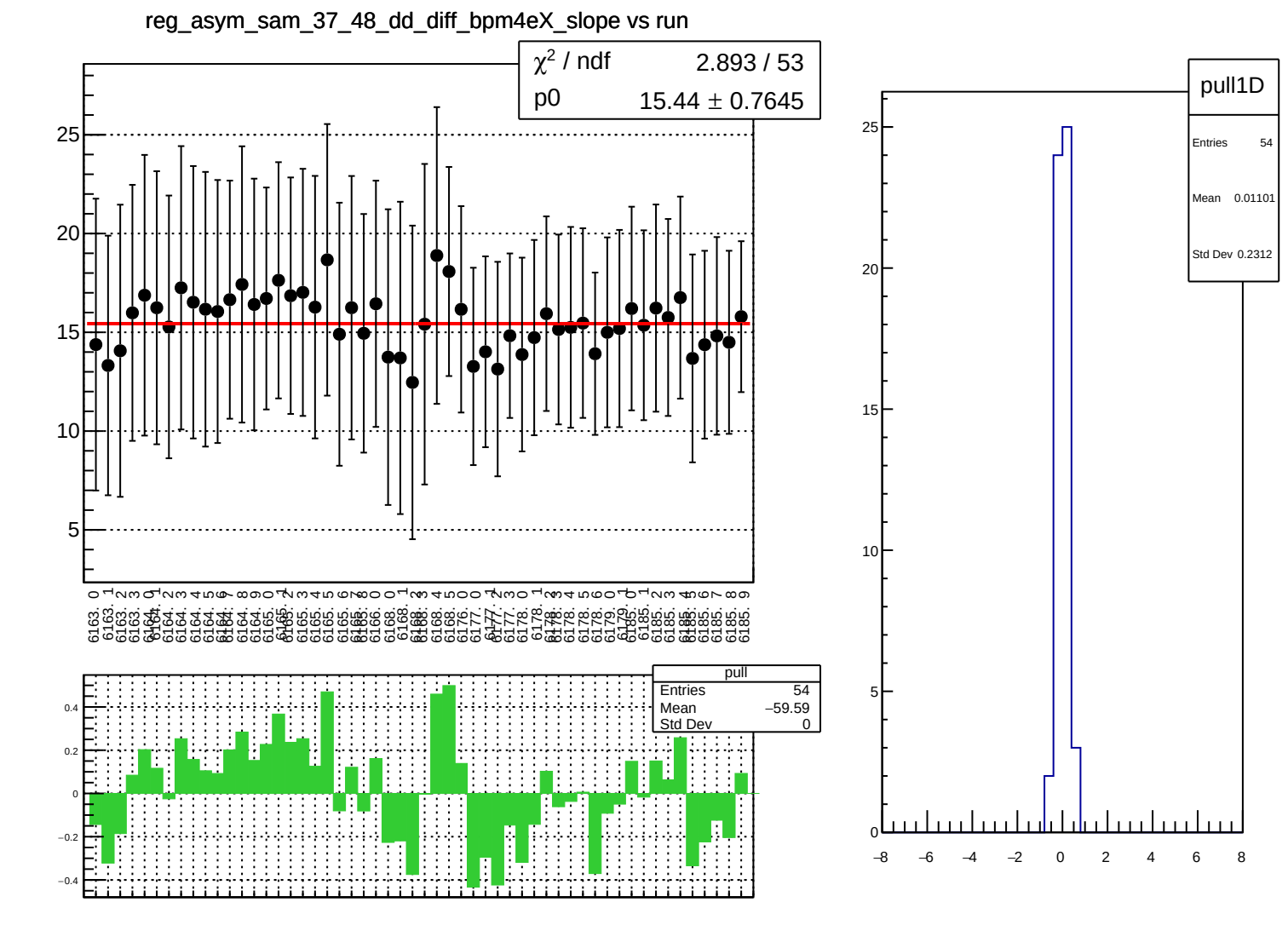

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs run
χ² / ndf 3.361 / 53
p0 0.6081 ± 0.1006
pull
Entries 54
Mean −20.98
Std Dev 0
pull1D
Entries 54
Mean −0.05502
Std Dev 0.2433

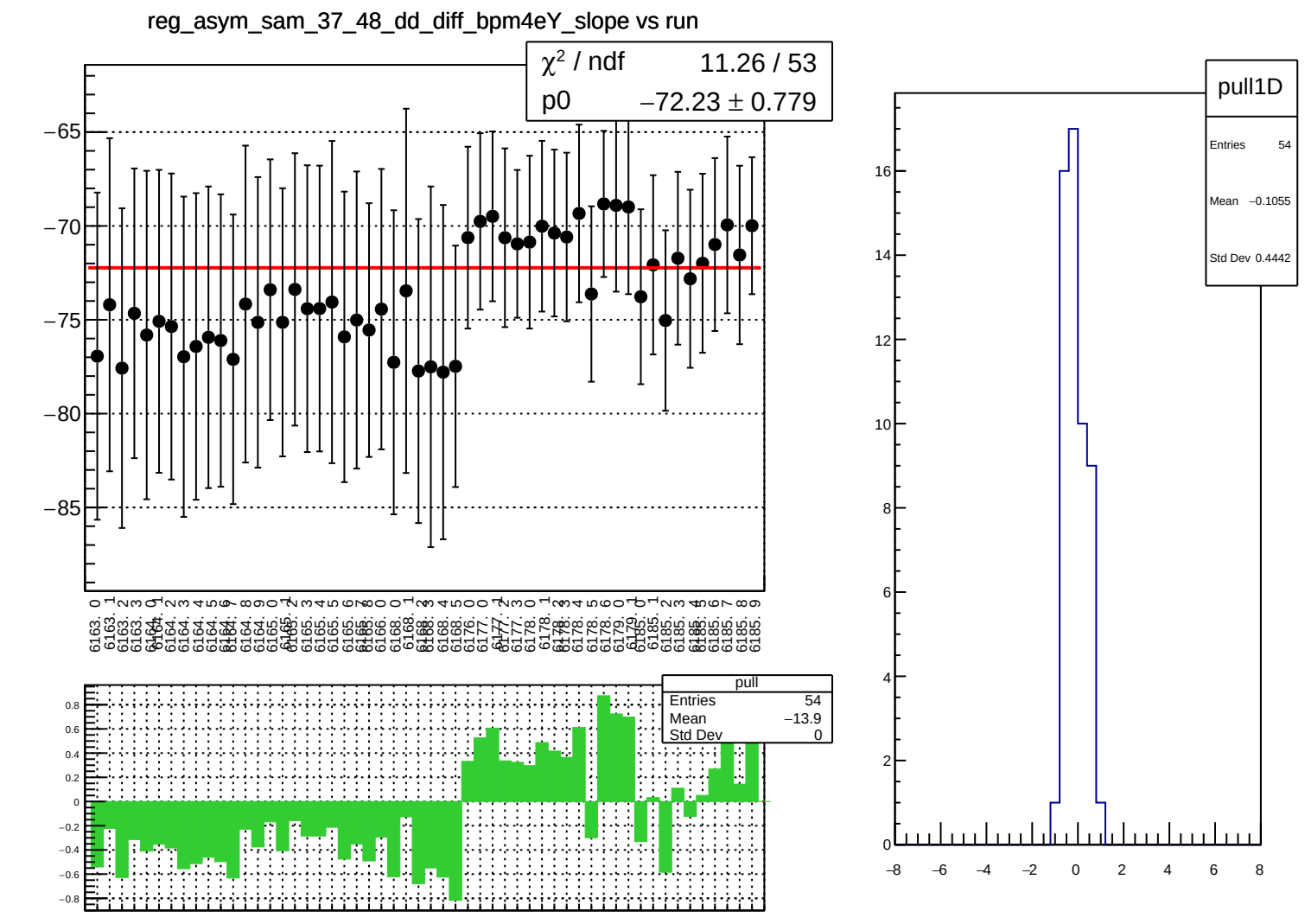

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs run
χ² / ndf 2.275 / 53
p0 2.92 ± 0.6624
pull
Entries 54
Mean −541
Std Dev 0

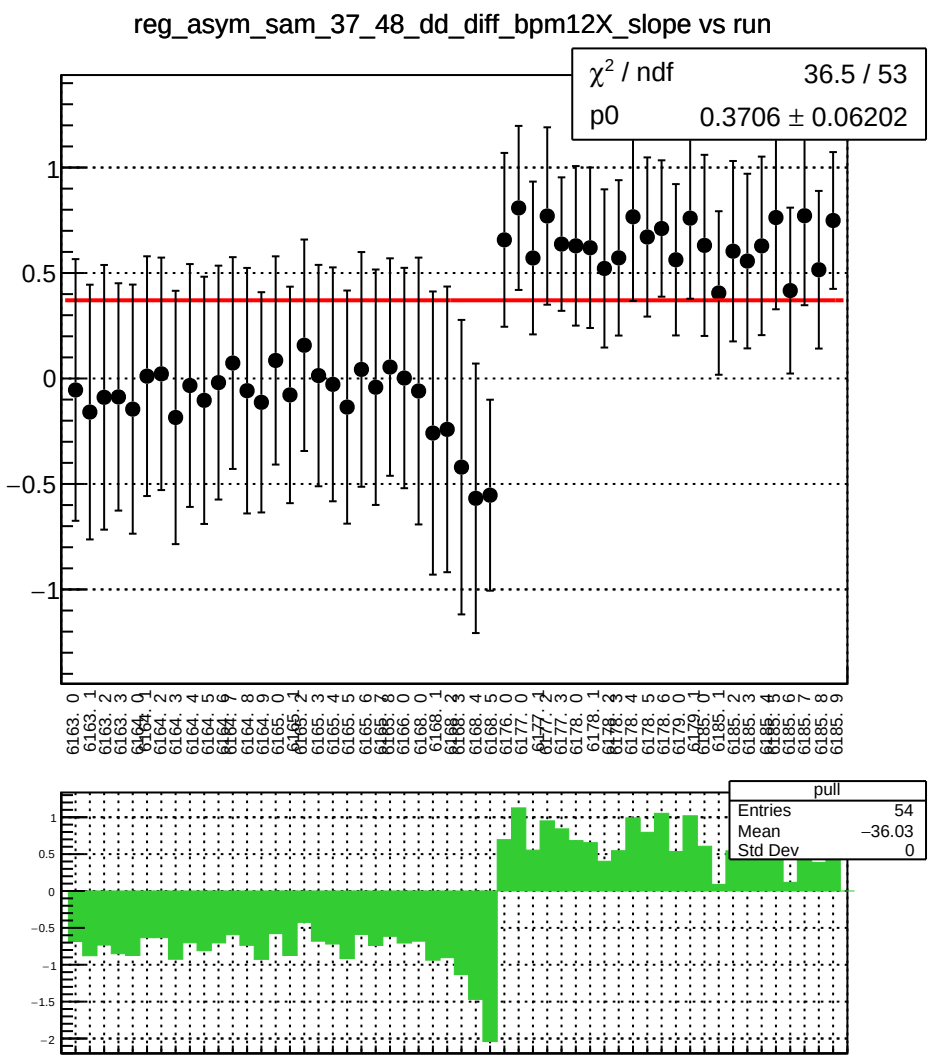

pull1D
Entries 54
Mean −0.001766
Std Dev 0.2053

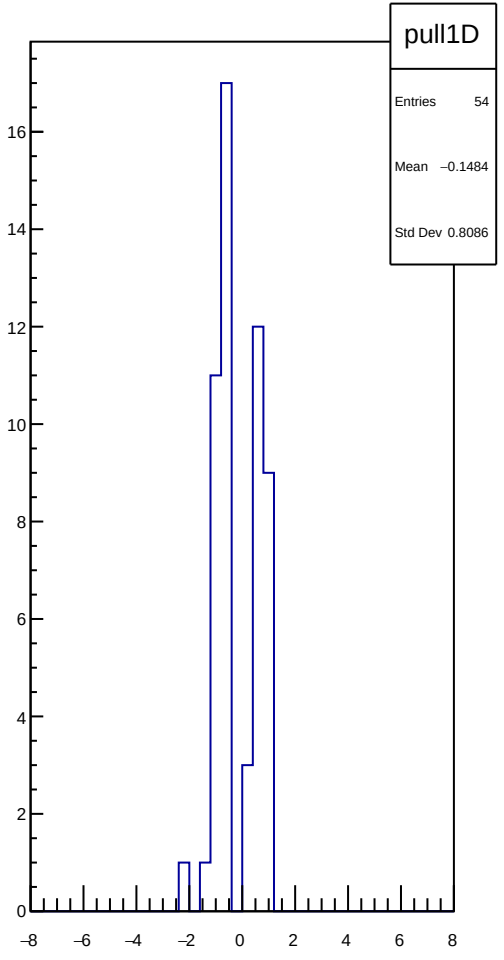

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 3.13 / 53
p0 8.738 ± 0.6944
pull
Entries 54
Mean 32.9
Std Dev 14.99

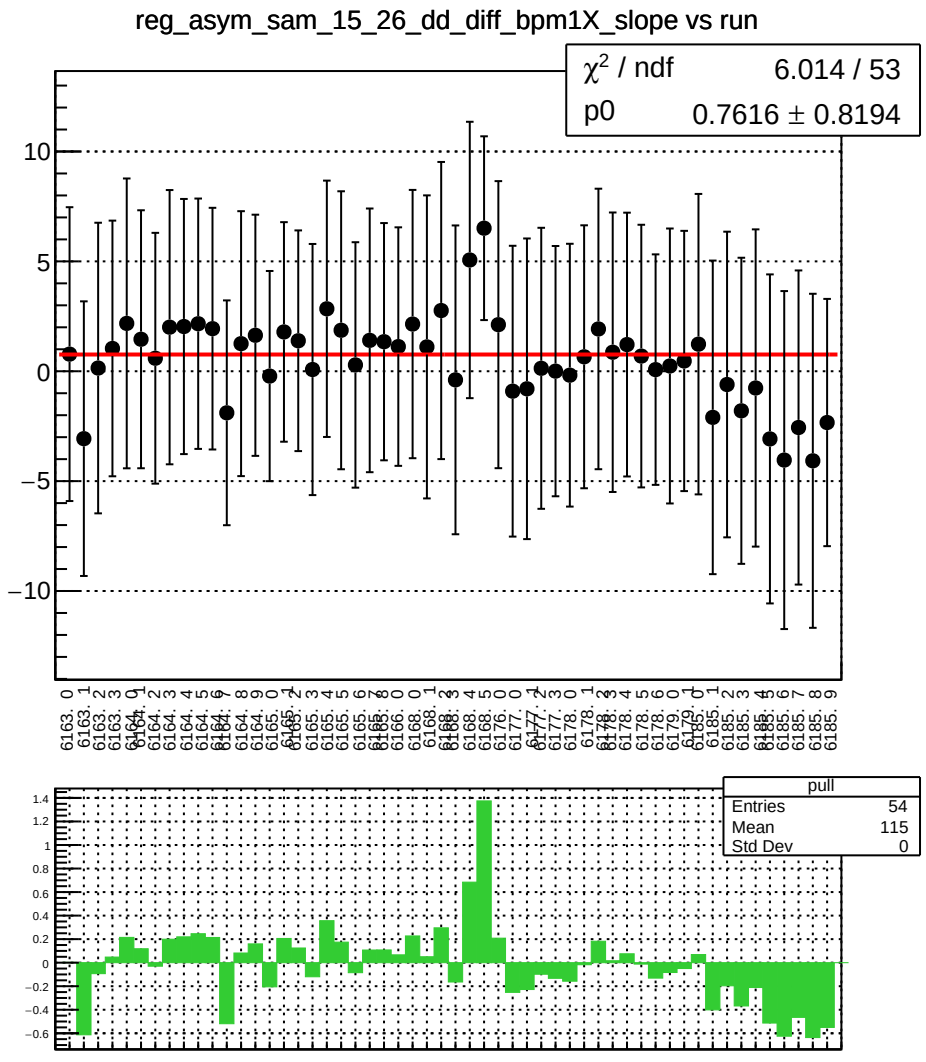

pull1D
Entries 54
Mean 0.01152
Std Dev 0.2405

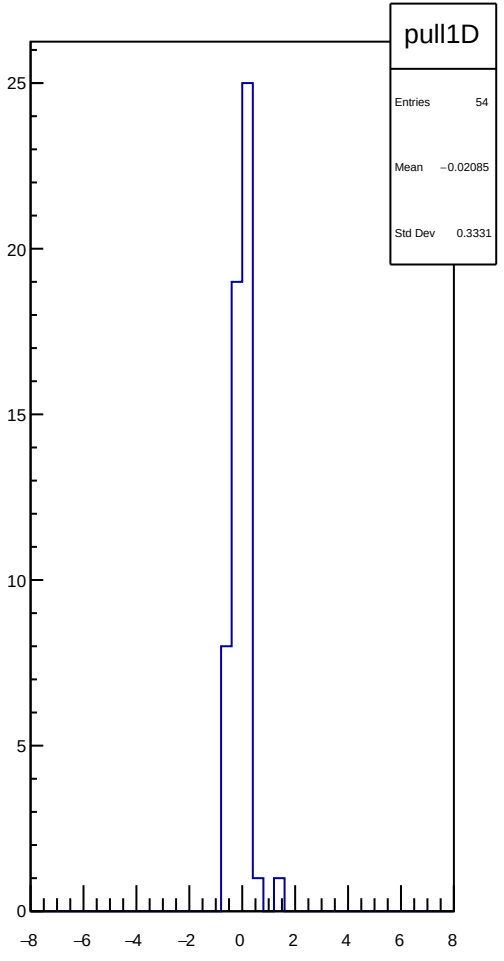

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 2.893 / 53
p0 15.44 ± 0.7645
pull
Entries 54
Mean −59.59
Std Dev 0
pull1D
Entries 54
Mean 0.01101
Std Dev 0.2312

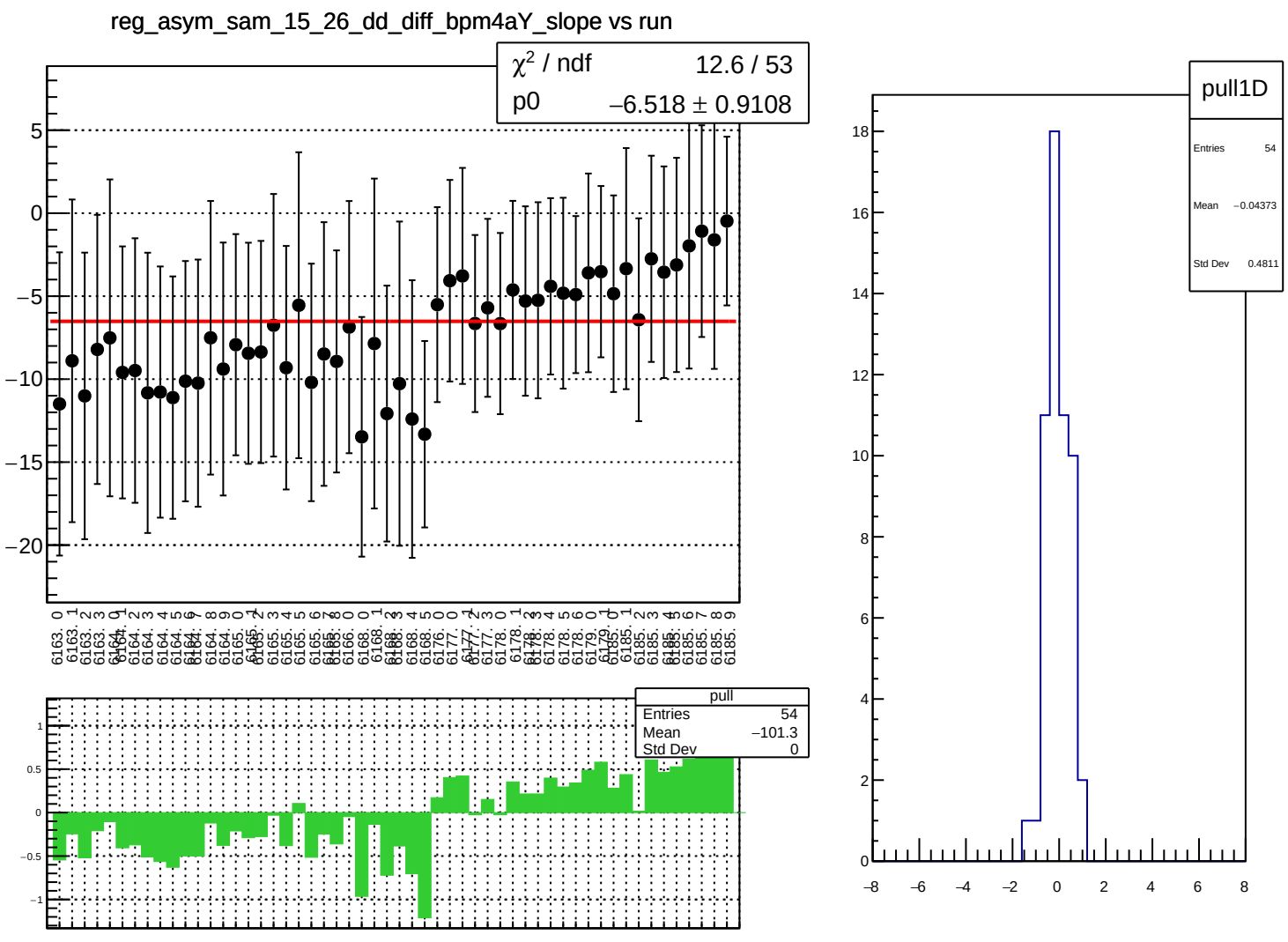

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 11.26 / 53
p0 −72.23 ± 0.779
pull
Entries 54
Mean −13.9
Std Dev 0
pull1D
Entries 54
Mean −0.1055
Std Dev 0.4442

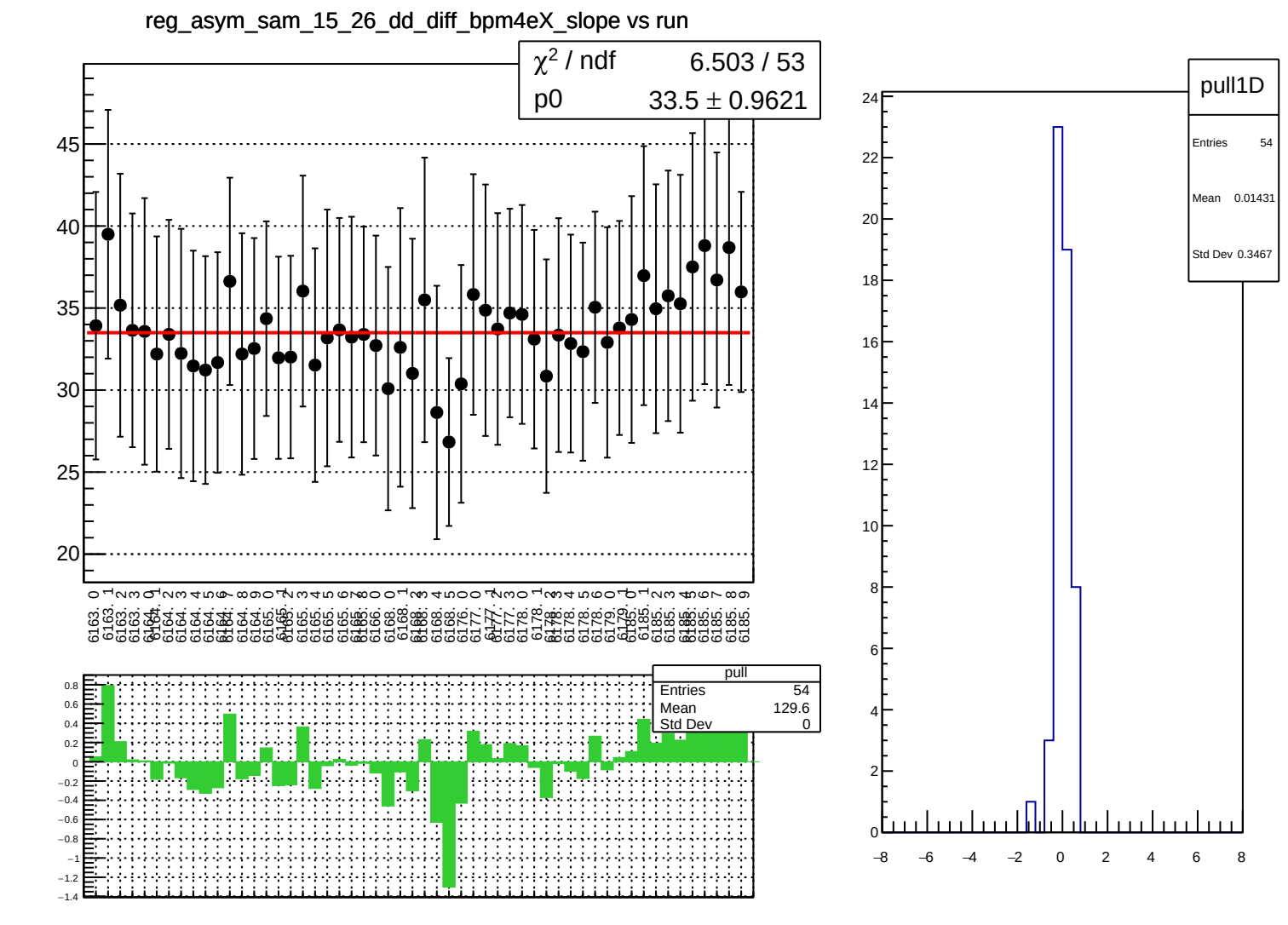

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs run
χ² / ndf 36.5 / 53
p0 0.3706 ± 0.06202
pull
Entries 54
Mean −36.03
Std Dev 0

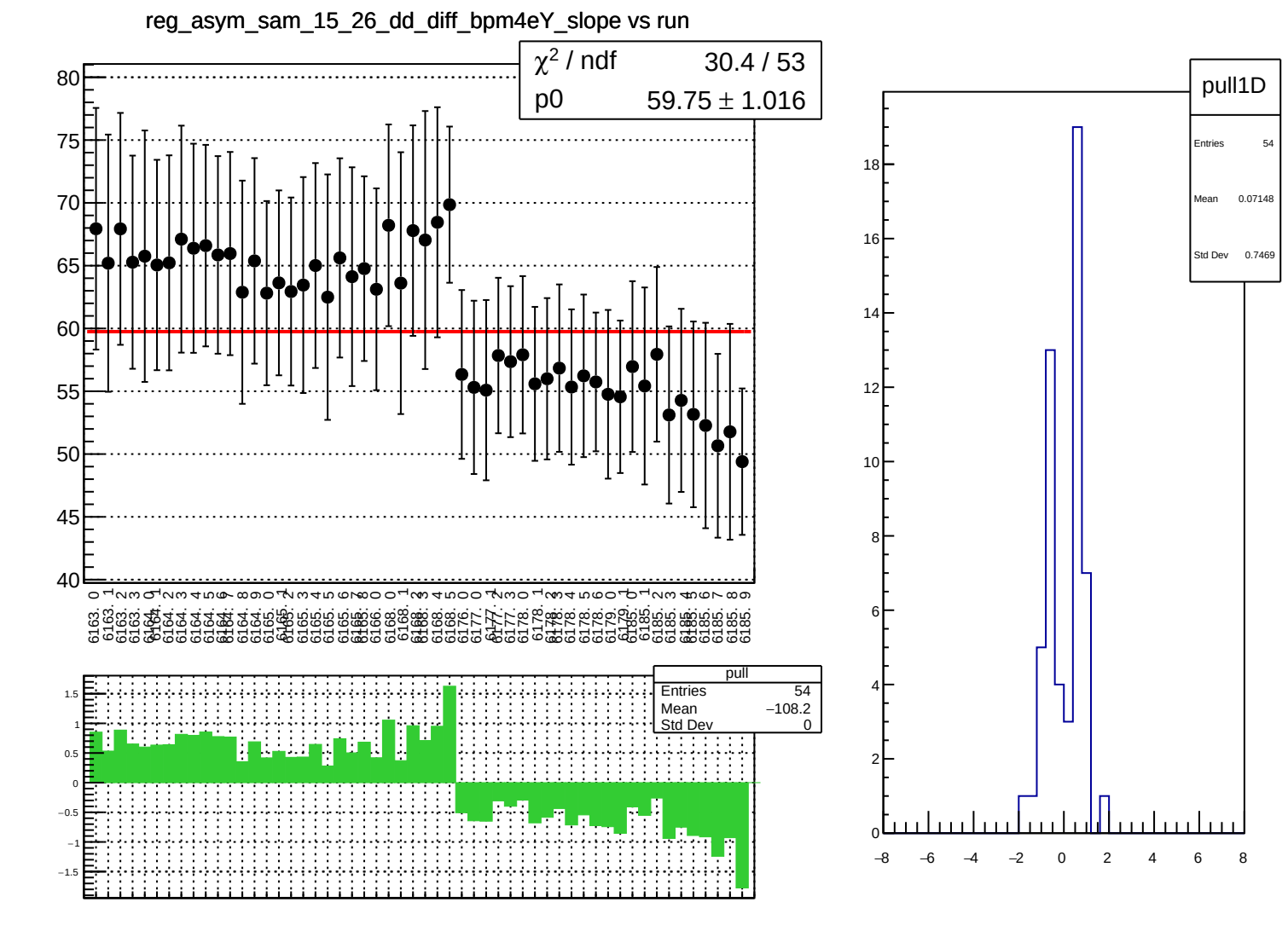

pull1D
Entries 54
Mean −0.1484
Std Dev 0.8086

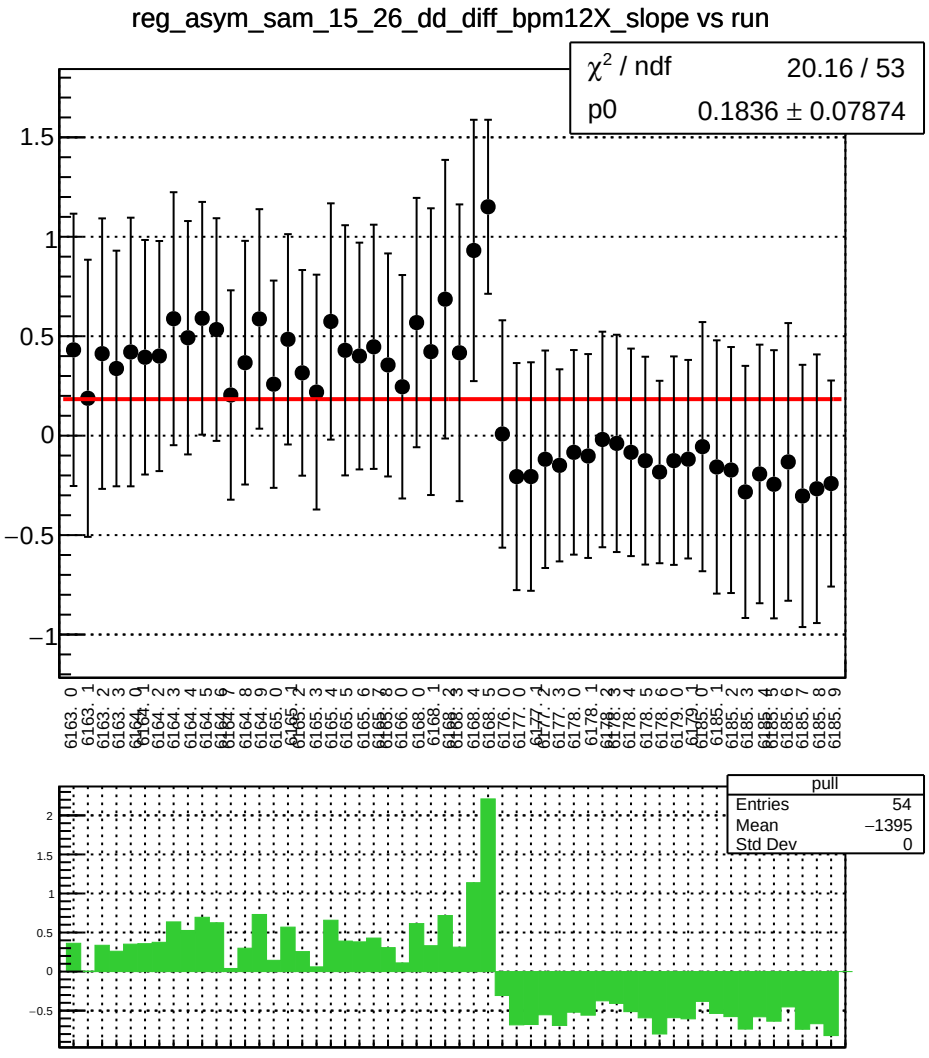

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs run
χ² / ndf 6.014 / 53
p0 0.7616 ± 0.8194
pull
Entries 54
Mean 115
Std Dev 0

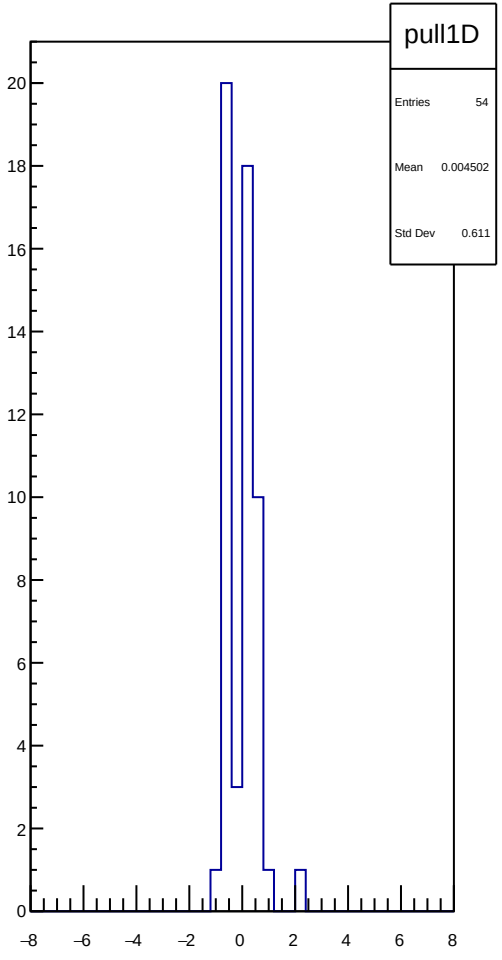

pull1D
Entries 54
Mean −0.02085
Std Dev 0.3331

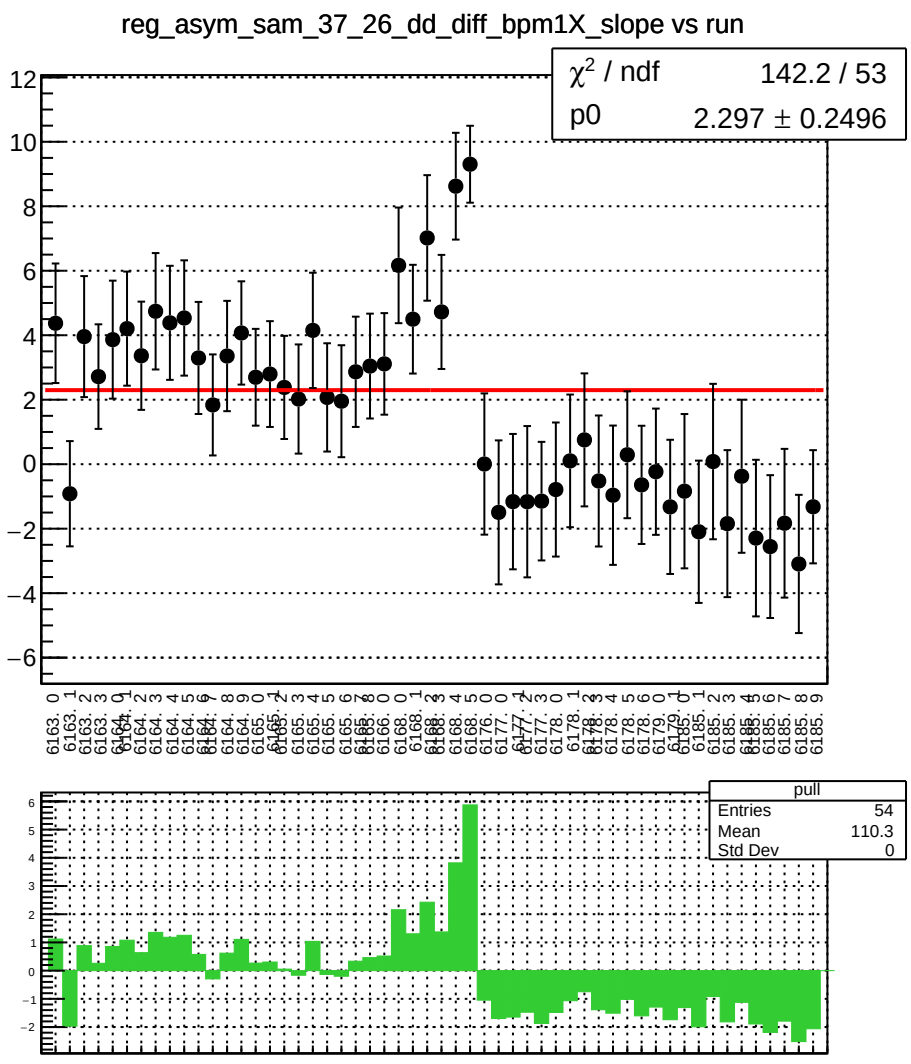

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 12.6 / 53
p0 −6.518 ± 0.9108
pull
Entries 54
Mean −101.3
Std Dev 0
pull1D
Entries 54
Mean −0.04373
Std Dev 0.4811

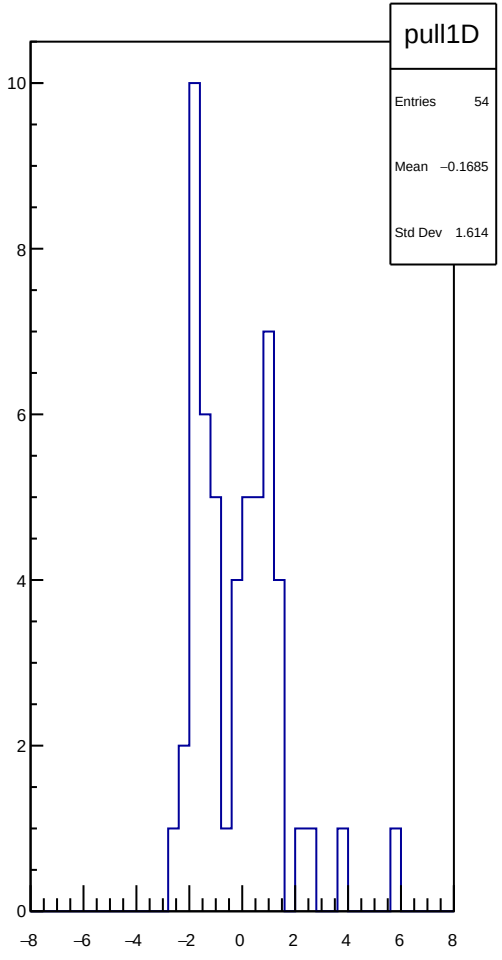

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 6.503 / 53
p0 33.5 ± 0.9621
pull
Entries 54
Mean 129.6
Std Dev 0
pull1D
Entries 54
Mean 0.01431
Std Dev 0.3467

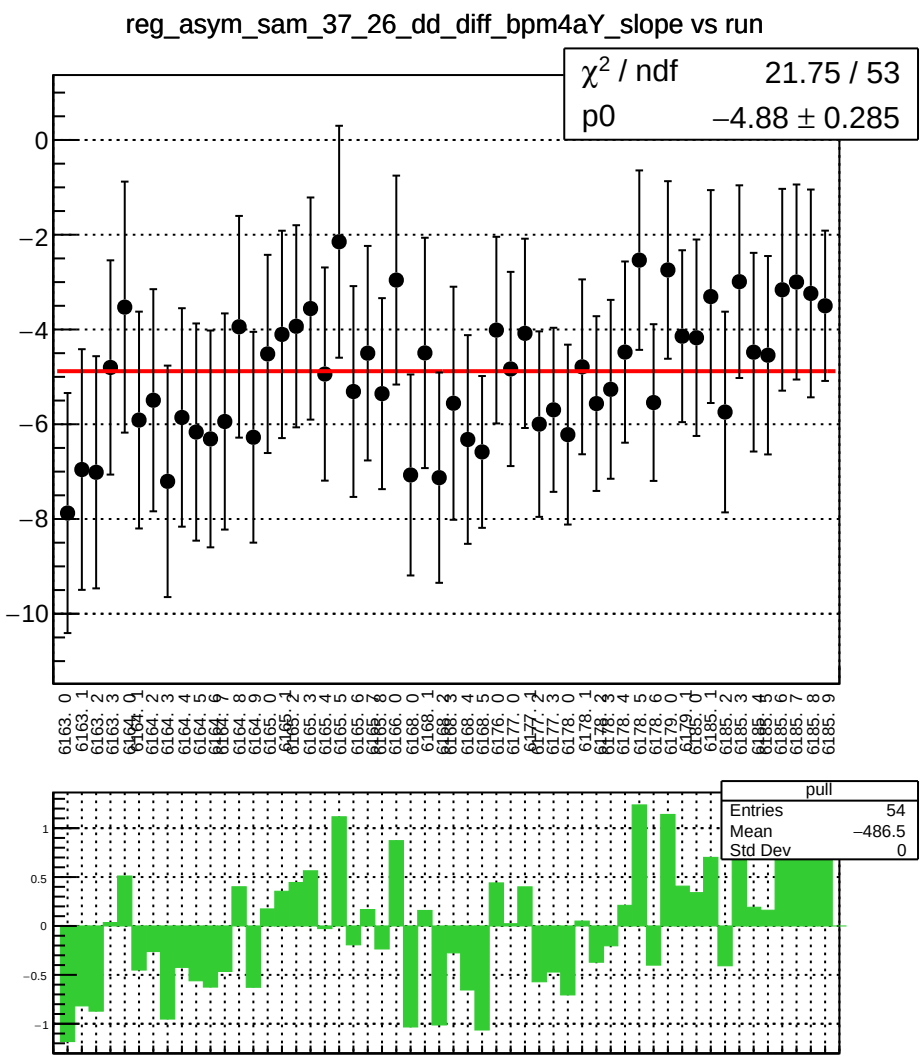

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 30.4 / 53
p0 59.75 ± 1.016
pull
Entries 54
Mean −108.2
Std Dev 0
pull1D
Entries 54
Mean 0.07148
Std Dev 0.7469

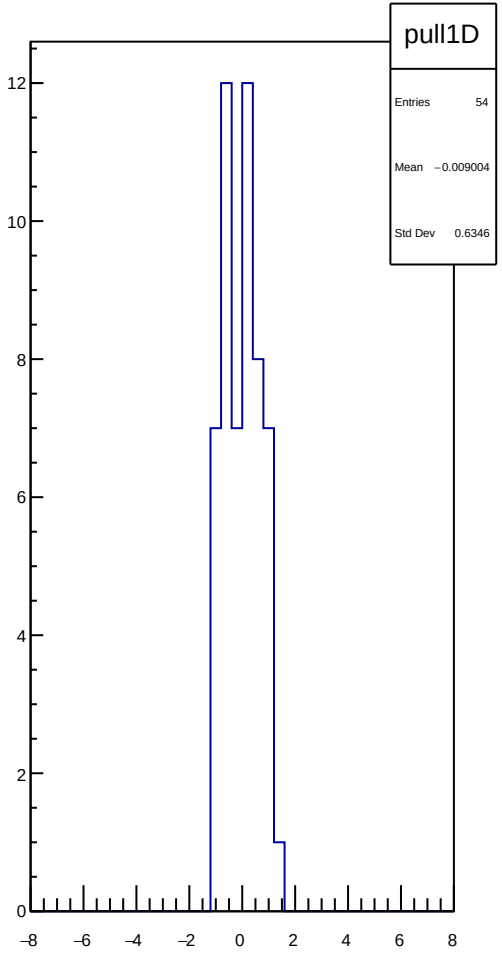

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs run
χ² / ndf 20.16 / 53
p0 0.1836 ± 0.07874
pull
Entries 54
Mean −1395
Std Dev 0

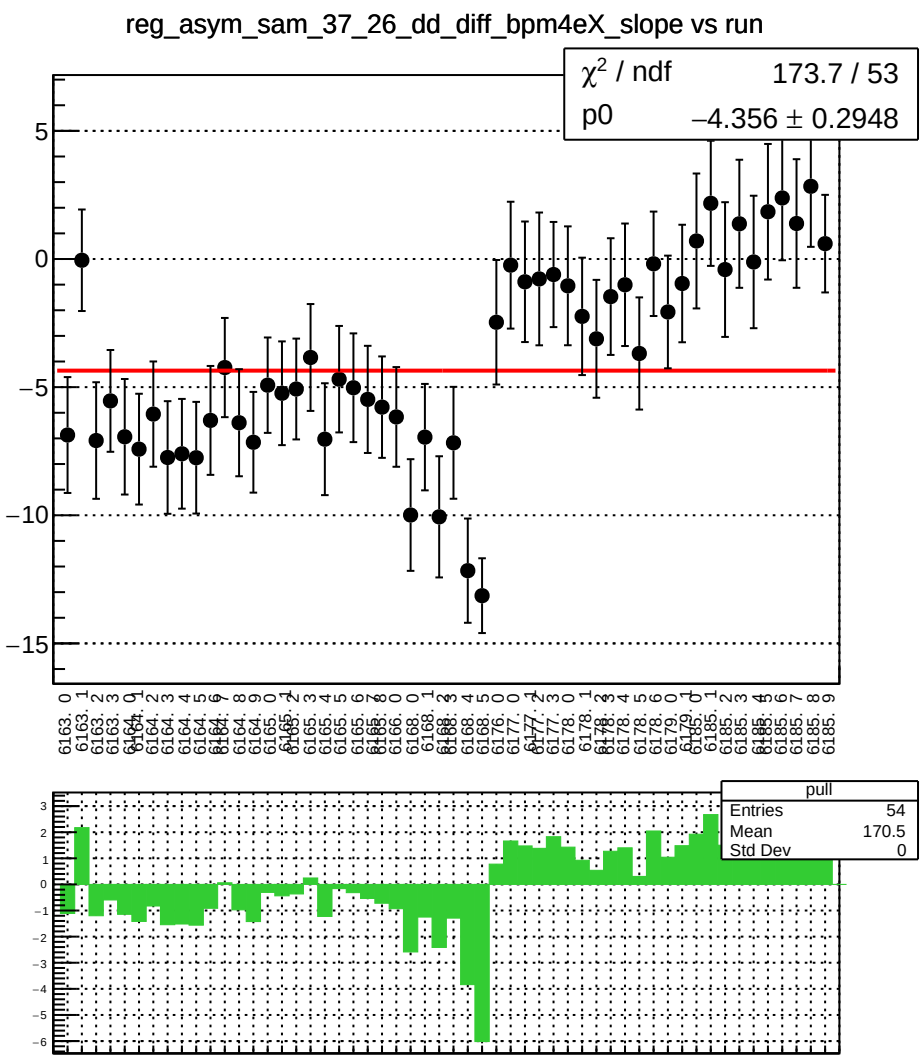

pull1D
Entries 54
Mean 0.004502
Std Dev 0.611

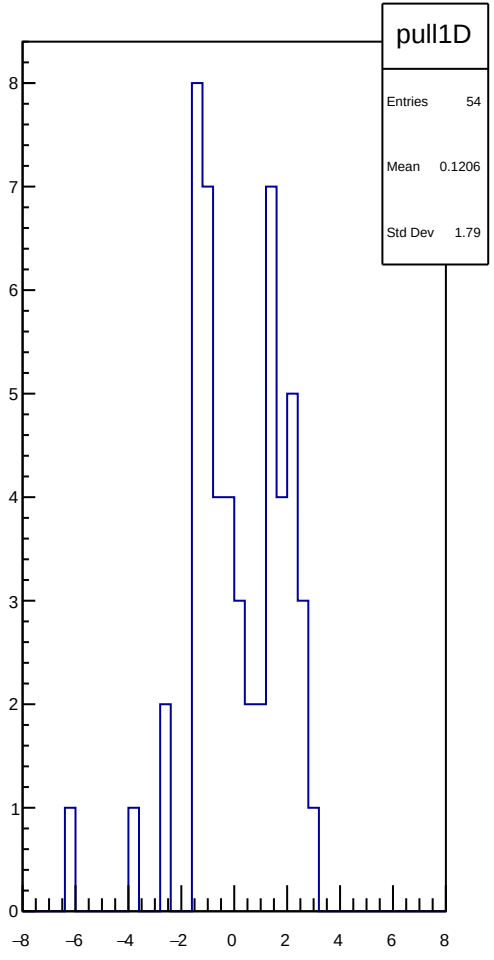

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs run
χ² / ndf 142.2 / 53
p0 2.297 ± 0.2496
pull
Entries 54
Mean 110.3
Std Dev 0

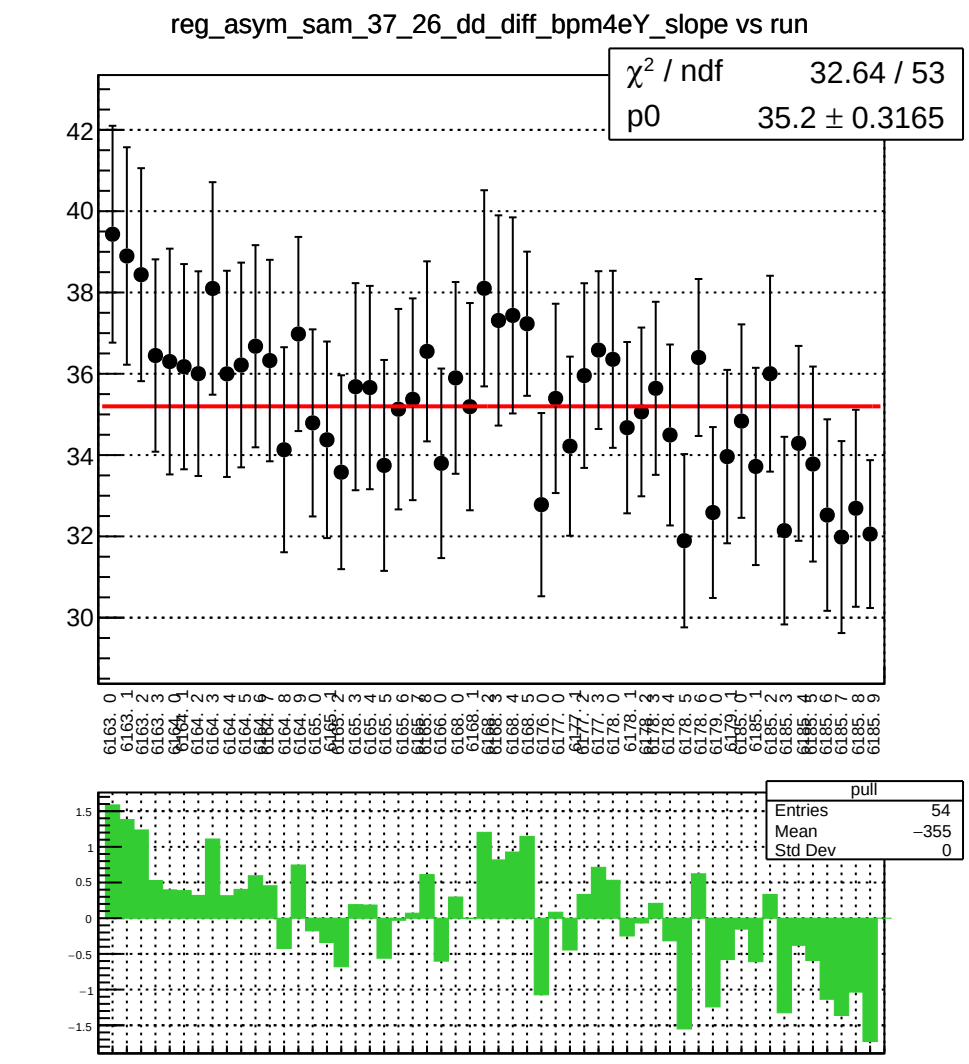

pull1D
Entries 54
Mean −0.1685
Std Dev 1.614

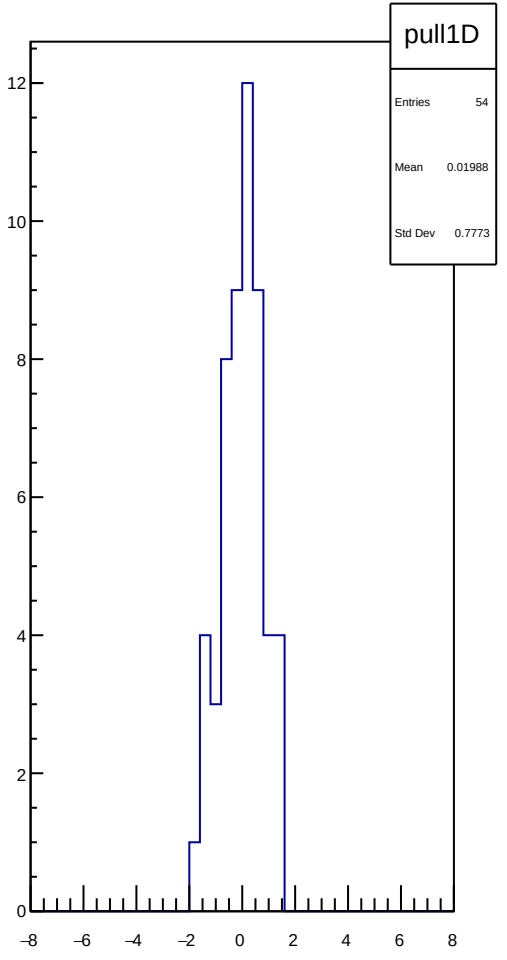

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 21.75 / 53
p0 −4.88 ± 0.285
pull
Entries 54
Mean −486.5
Std Dev 0

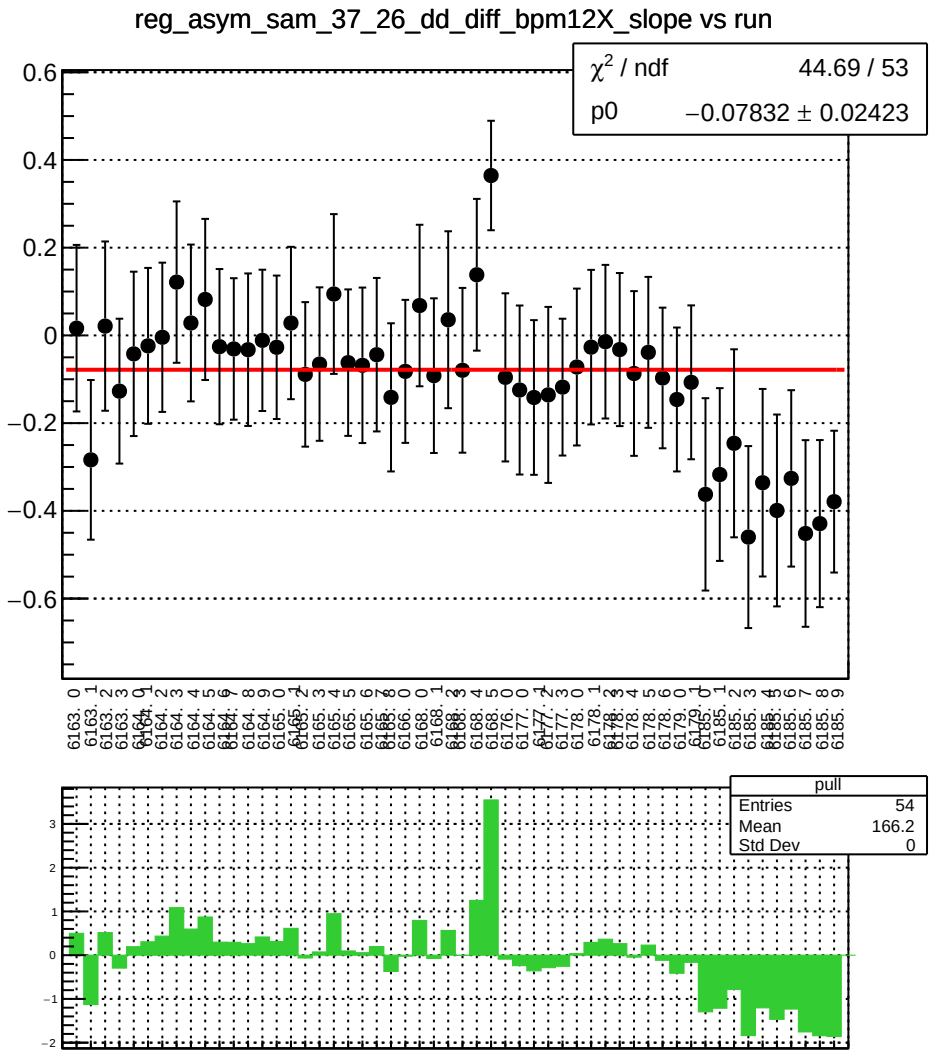

pull1D
Entries 54
Mean −0.009004
Std Dev 0.6346

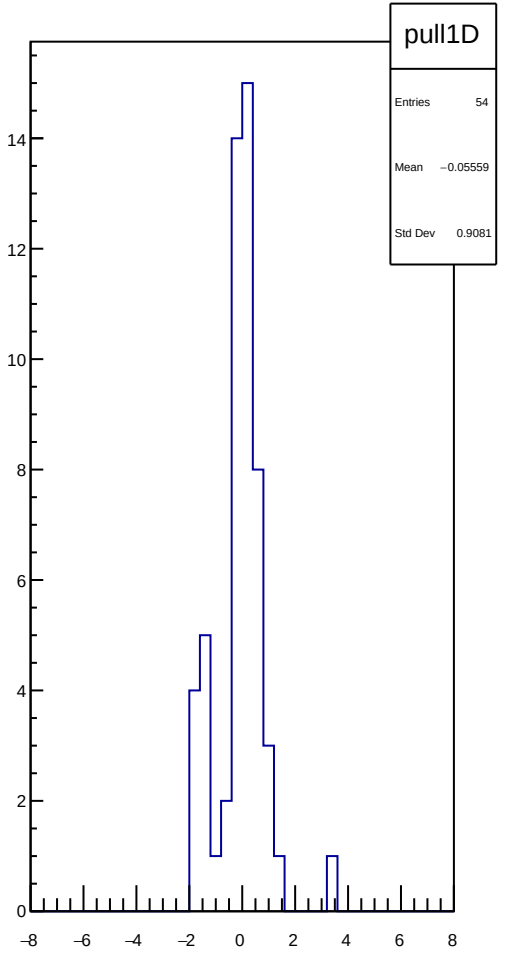

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 173.7 / 53
p0 −4.356 ± 0.2948
pull
Entries 54
Mean 170.5
Std Dev 0

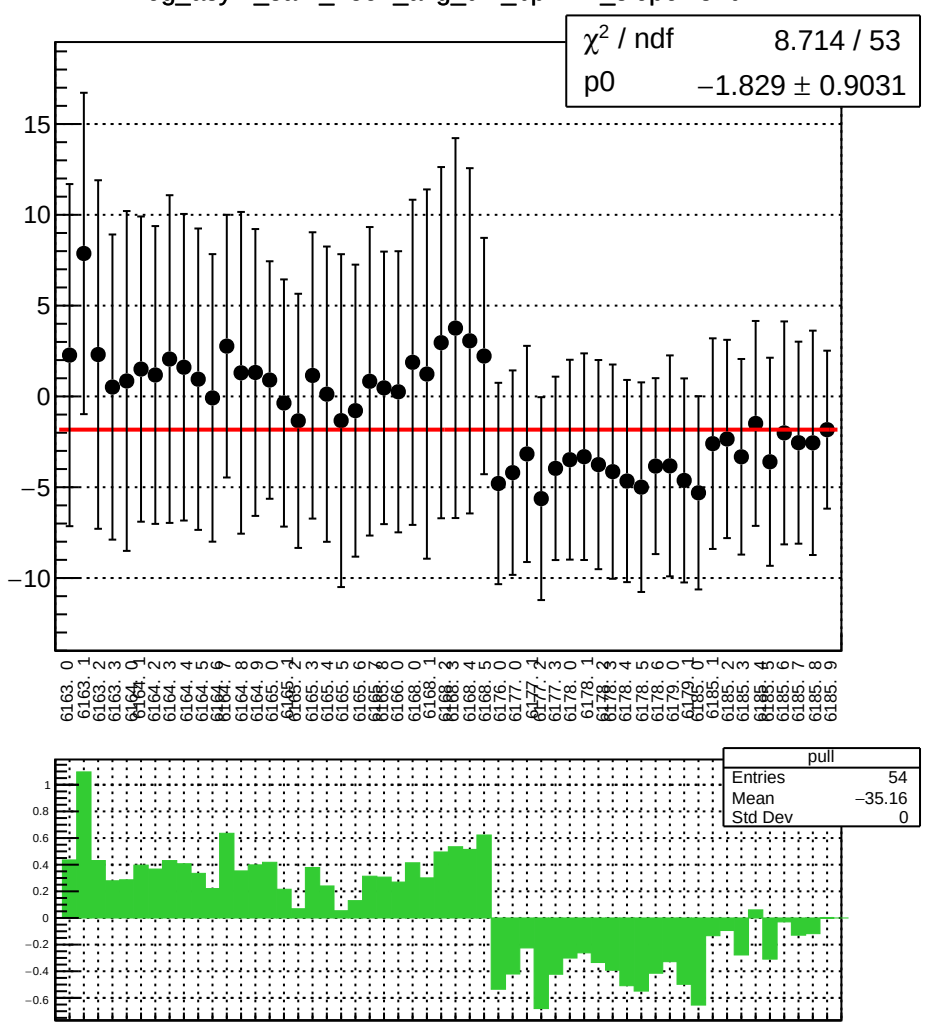

pull1D
Entries 54
Mean 0.1206
Std Dev 1.79

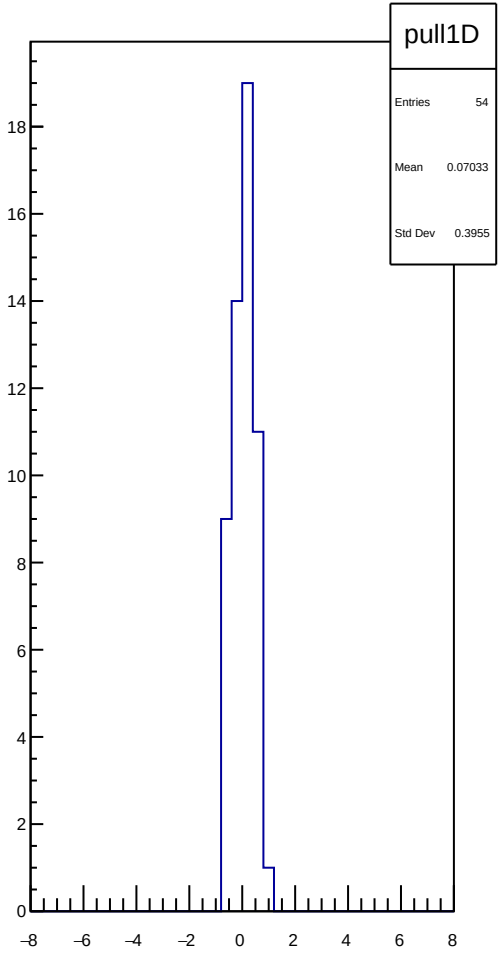

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 32.64 / 53
p0 35.2 ± 0.3165
pull
Entries 54
Mean −355
Std Dev 0

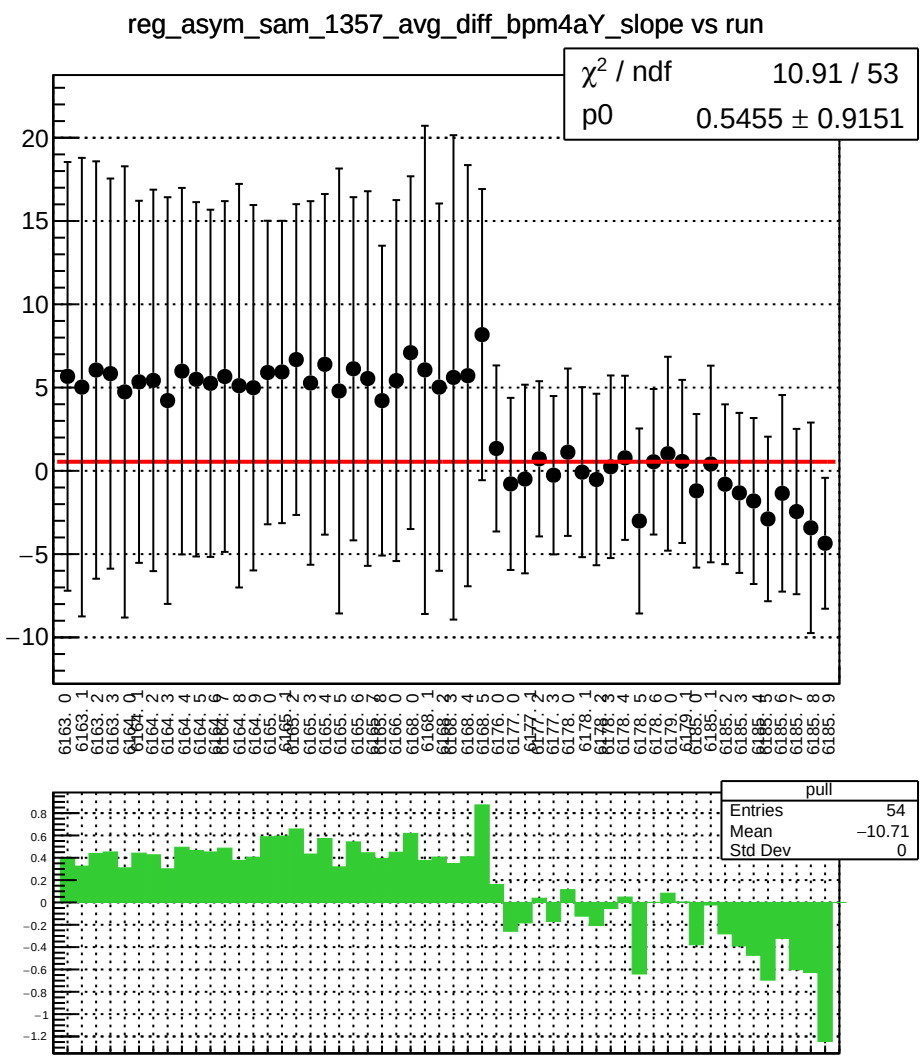

pull1D
Entries 54
Mean 0.01988
Std Dev 0.7773

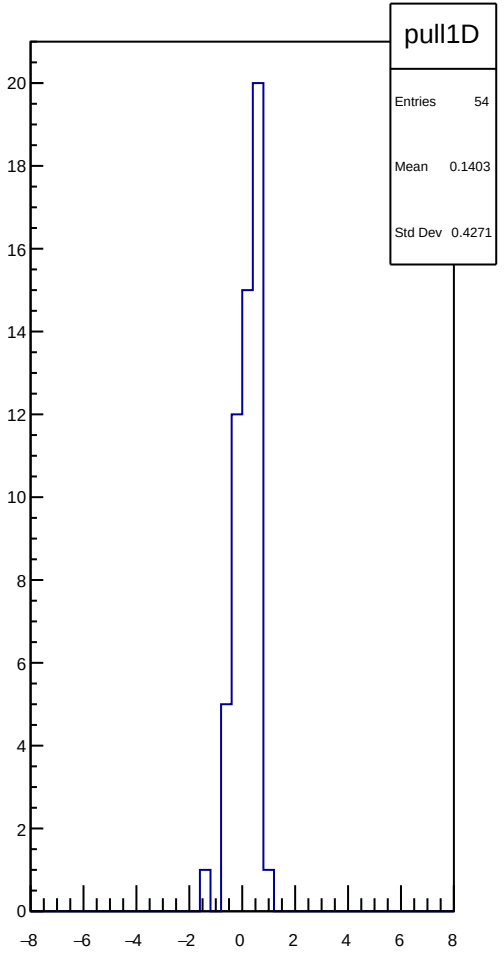

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs run
χ² / ndf 44.69 / 53
p0 −0.07832 ± 0.02423
pull
Entries 54
Mean 166.2
Std Dev 0

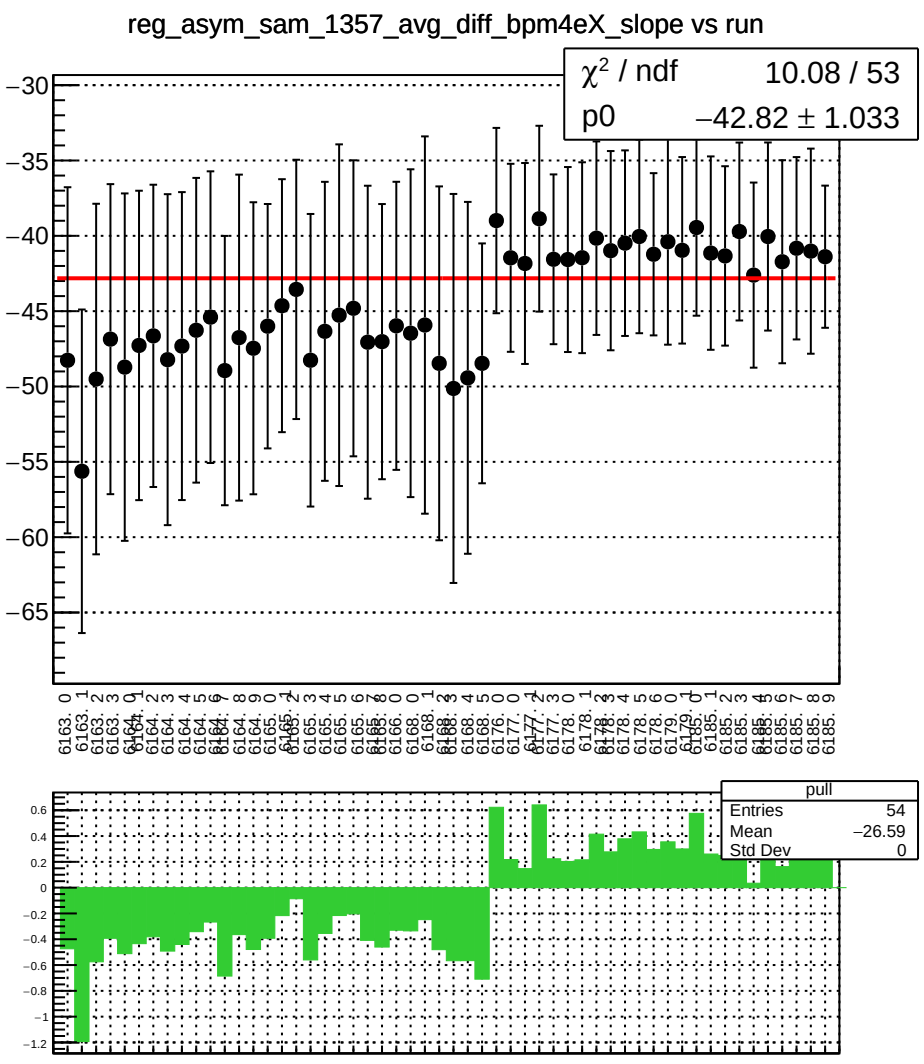

pull1D
Entries 54
Mean −0.05559
Std Dev 0.9081

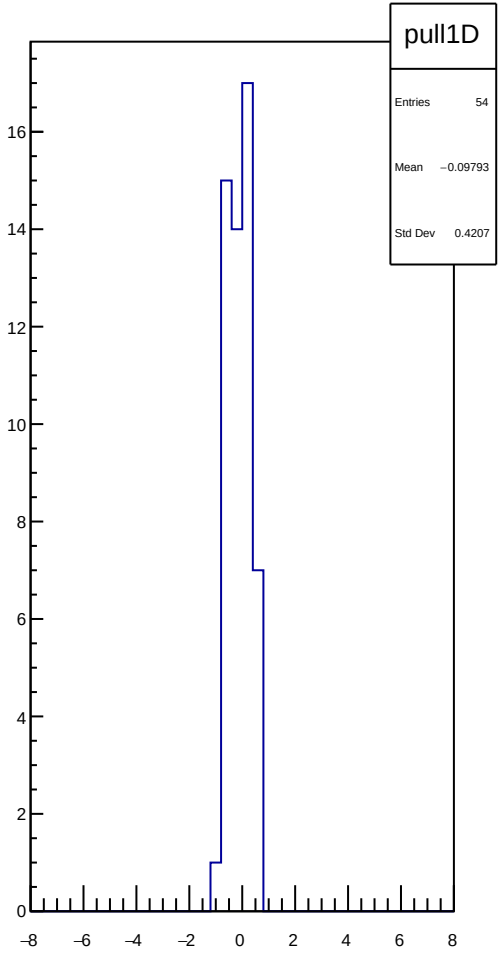

reg_asym_sam_1357_avg_diff_bpm1X_slope vs run
χ² / ndf 8.714 / 53
p0 −1.829 ± 0.9031
pull
Entries 54
Mean −35.16
Std Dev 0

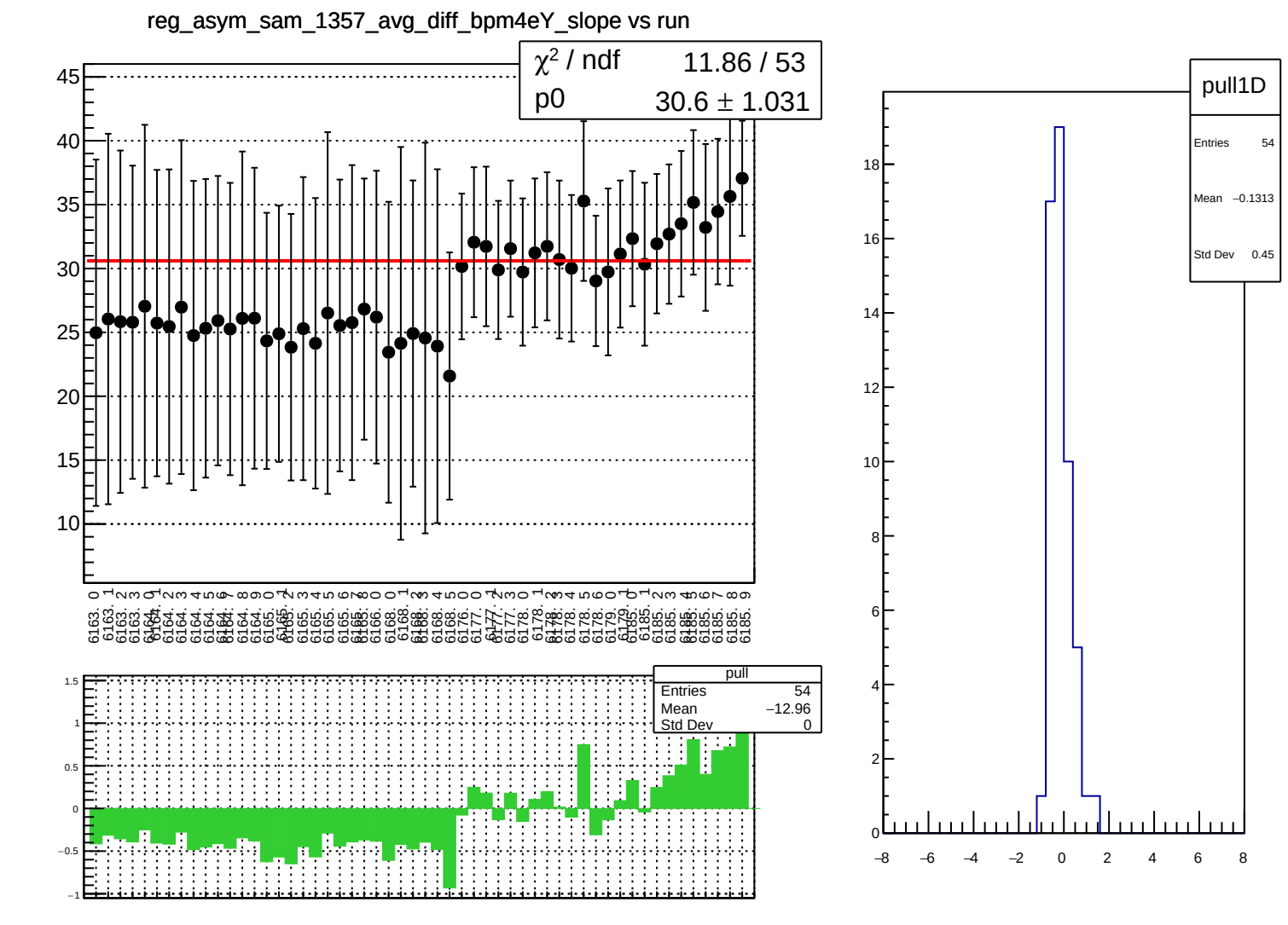

pull1D
Entries 54
Mean 0.07033
Std Dev 0.3955

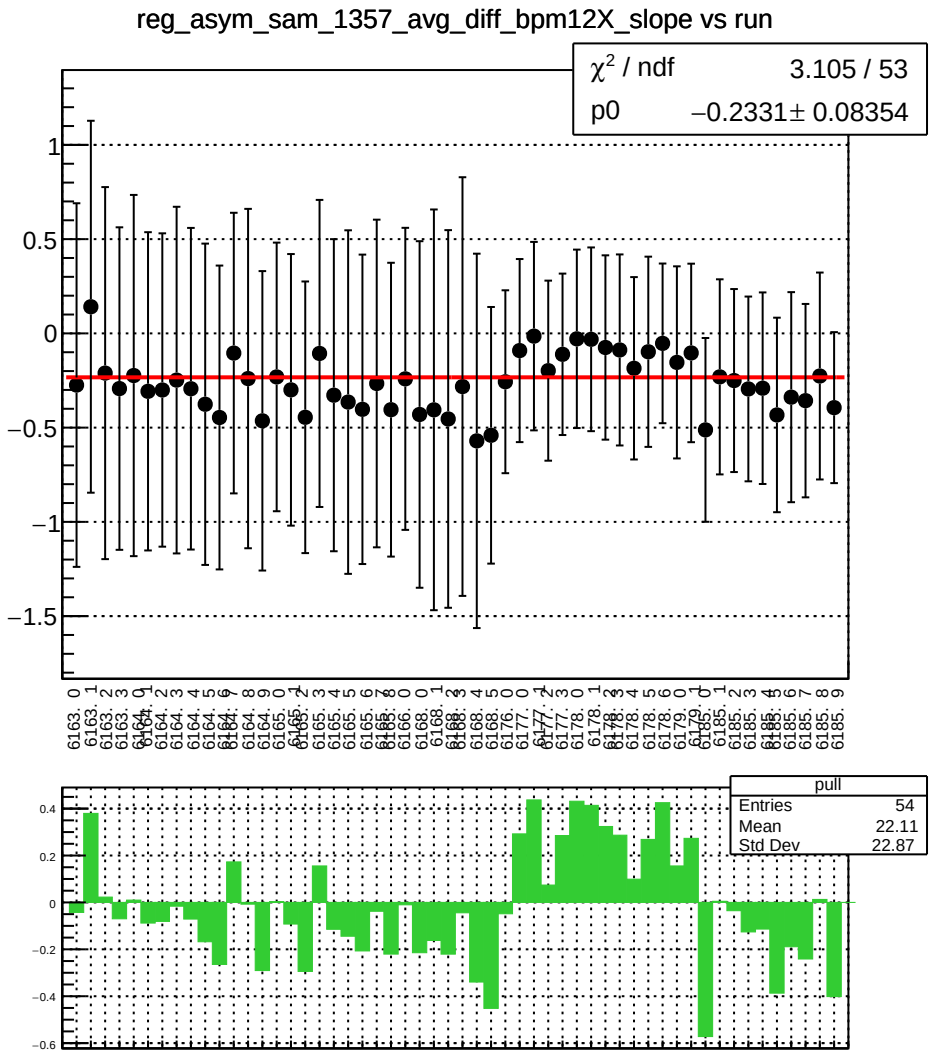

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ² / ndf 10.91 / 53
p0 0.5455 ± 0.9151
pull
Entries 54
Mean −10.71
Std Dev 0

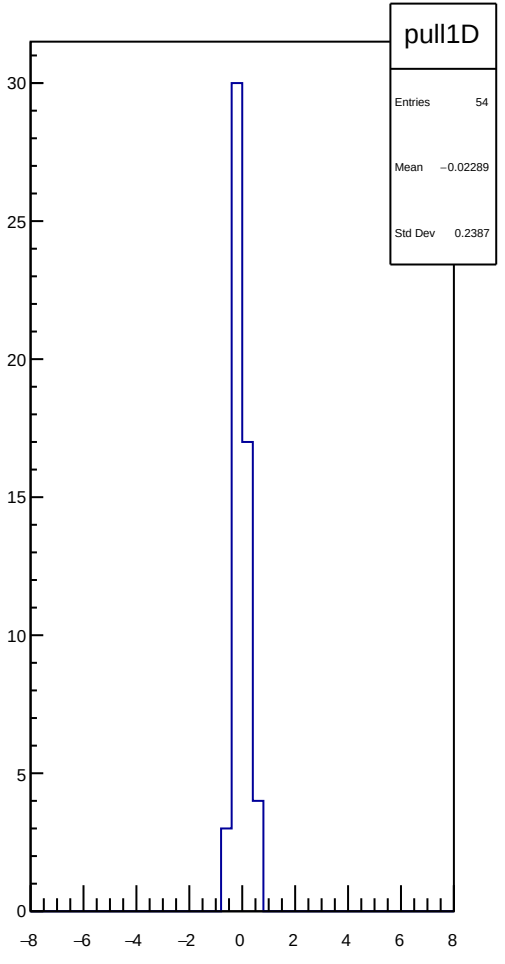

pull1D
Entries 54
Mean 0.1403
Std Dev 0.4271

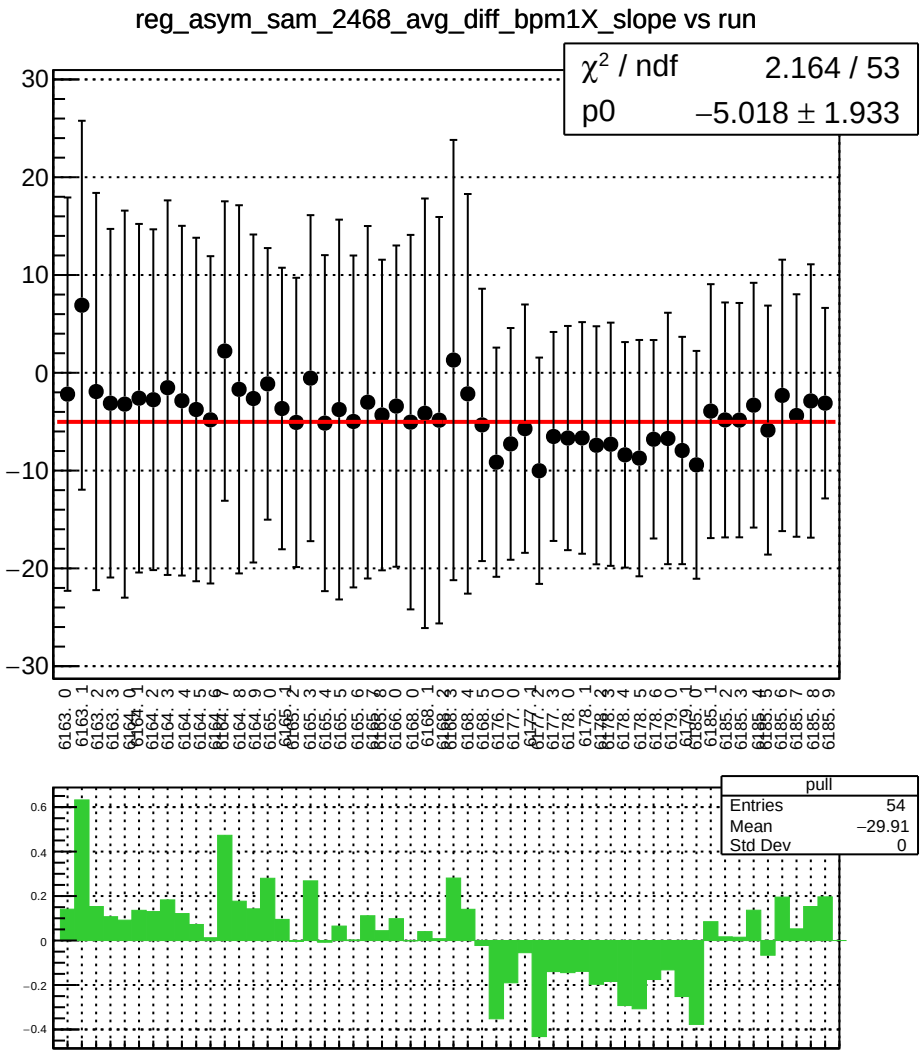

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ² / ndf 10.08 / 53
p0 −42.82 ± 1.033
pull
Entries 54
Mean −26.59
Std Dev 0

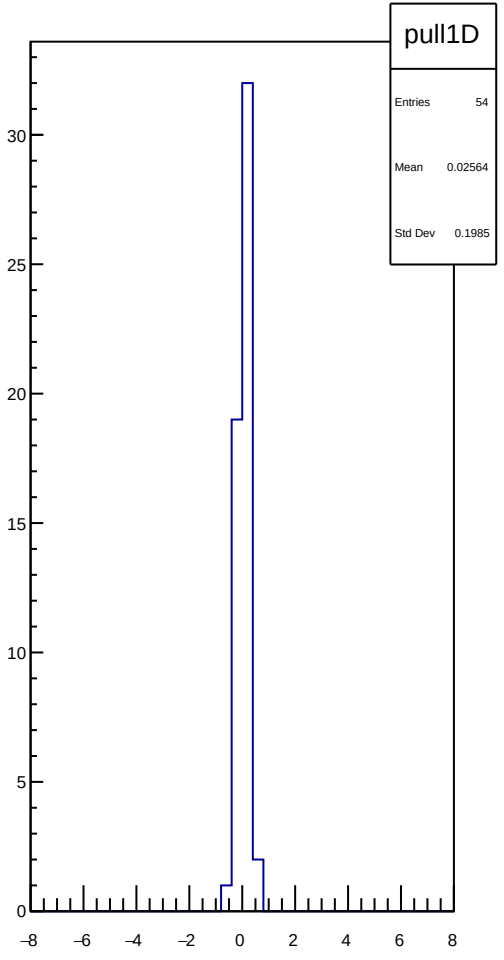

pull1D
Entries 54
Mean −0.09793
Std Dev 0.4207

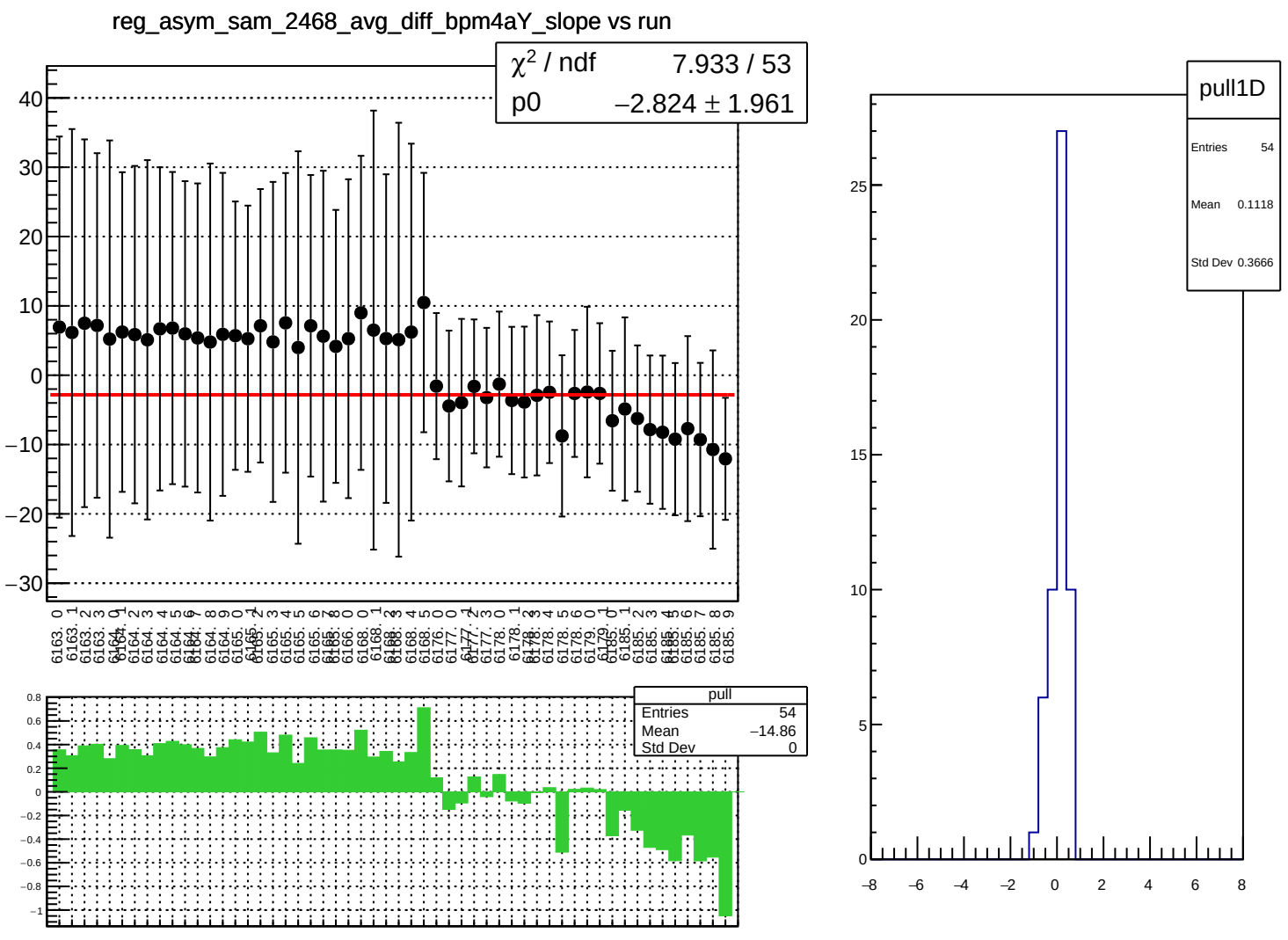

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ² / ndf 11.86 / 53
p0 30.6 ± 1.031
pull
Entries 54
Mean −12.96
Std Dev 0
pull1D
Entries 54
Mean −0.1313
Std Dev 0.45

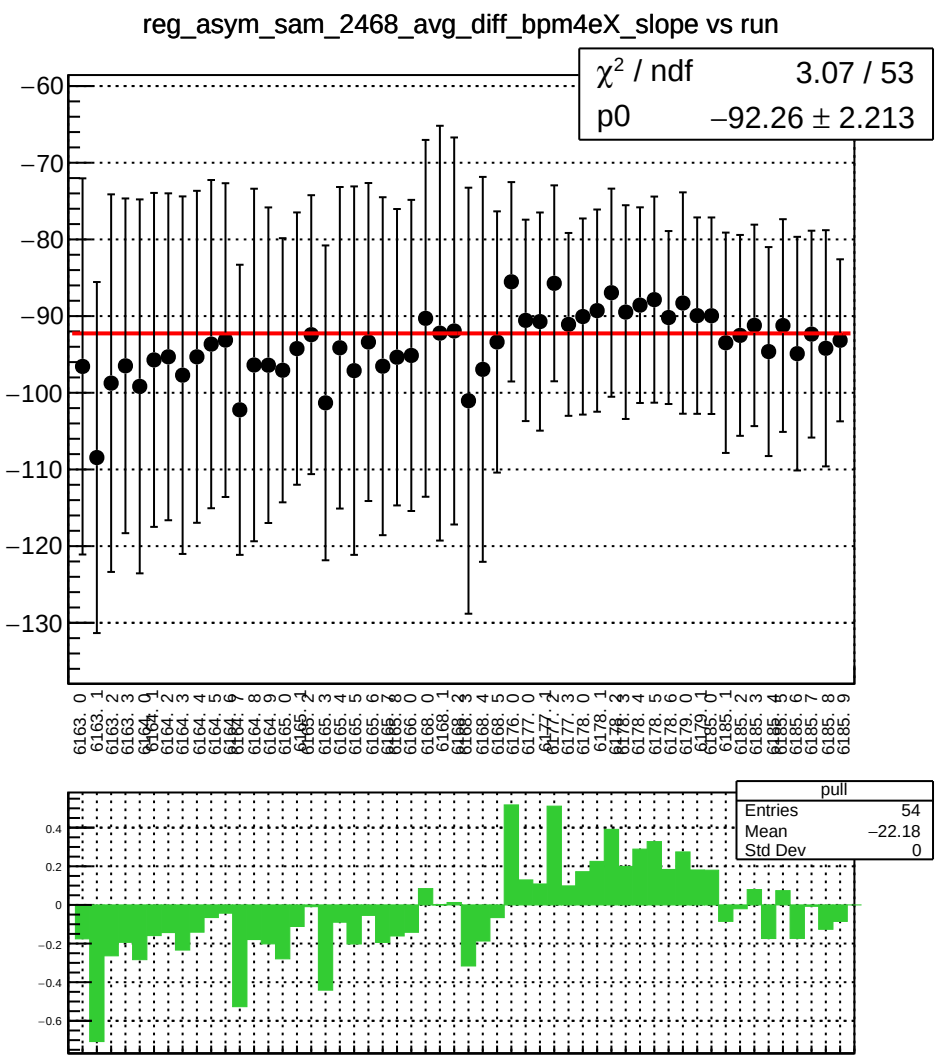

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ² / ndf 3.105 / 53
p0 −0.2331± 0.08354
pull
Entries 54
Mean 22.11
Std Dev 22.87

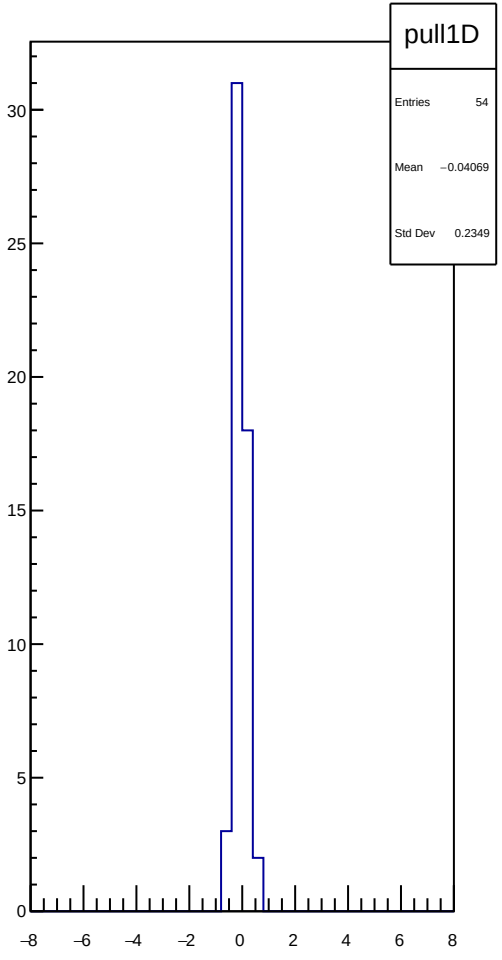

pull1D
Entries 54
Mean −0.02289
Std Dev 0.2387

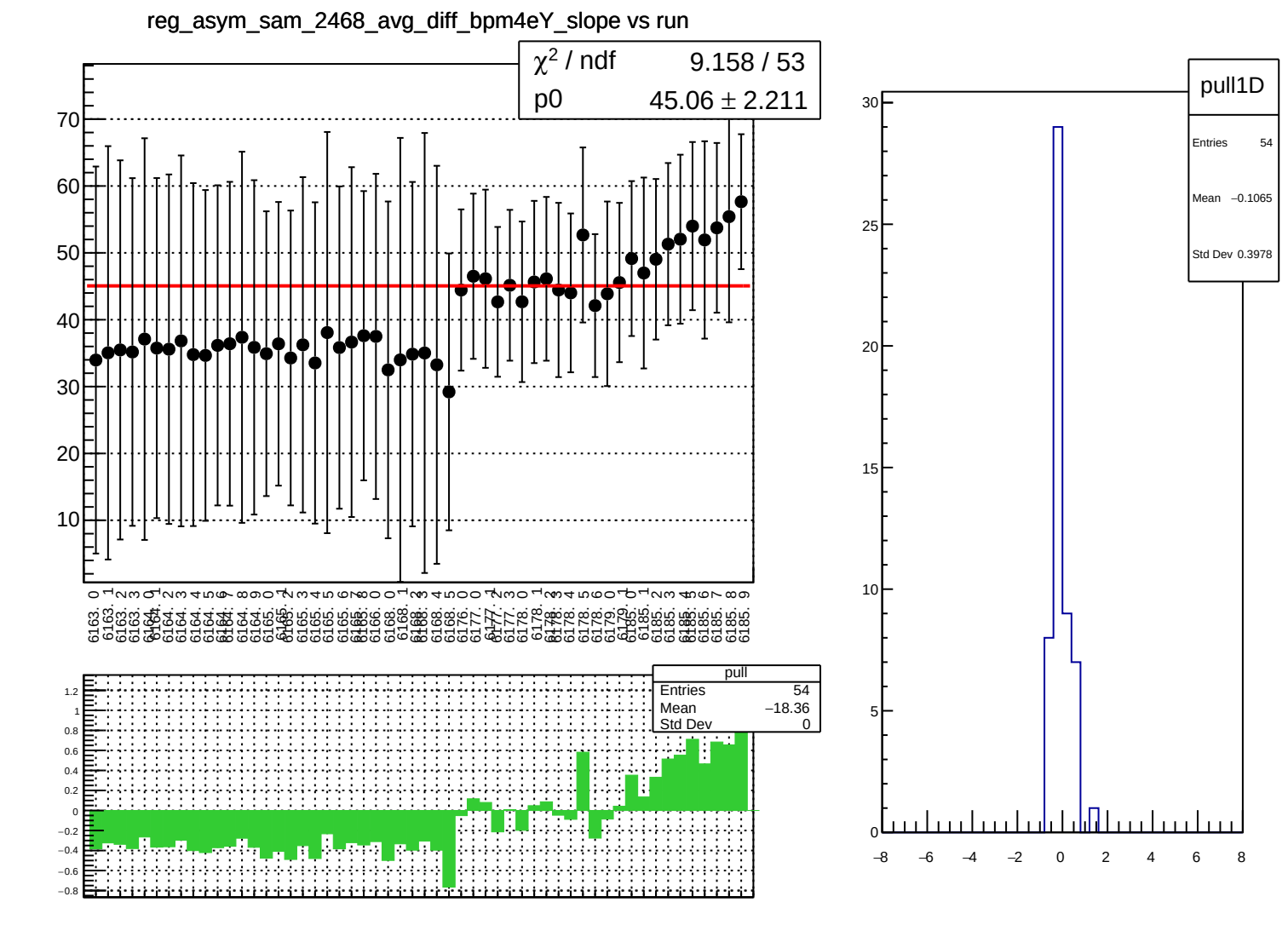

reg_asym_sam_2468_avg_diff_bpm1X_slope vs run
χ² / ndf 2.164 / 53
p0 −5.018 ± 1.933
pull
Entries 54
Mean −29.91
Std Dev 0

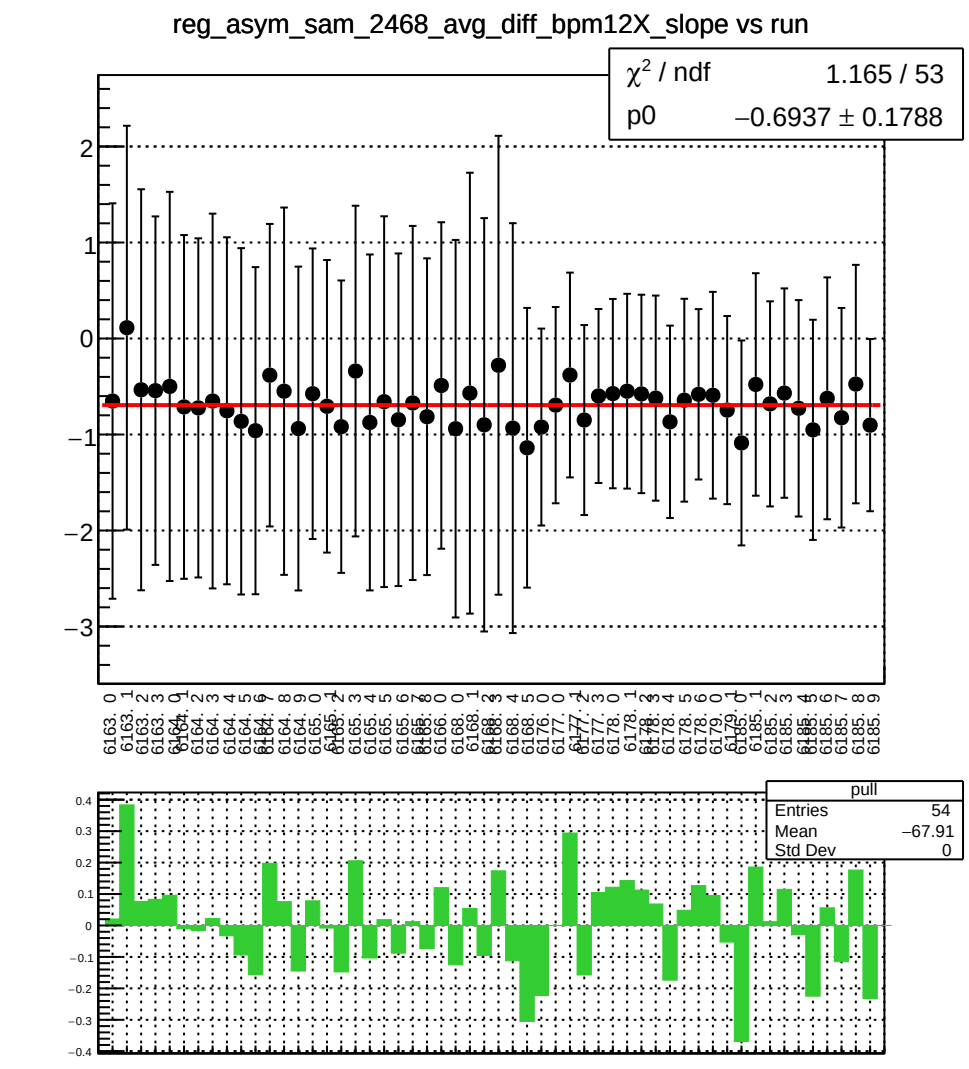

pull1D
Entries 54
Mean 0.02564
Std Dev 0.1985

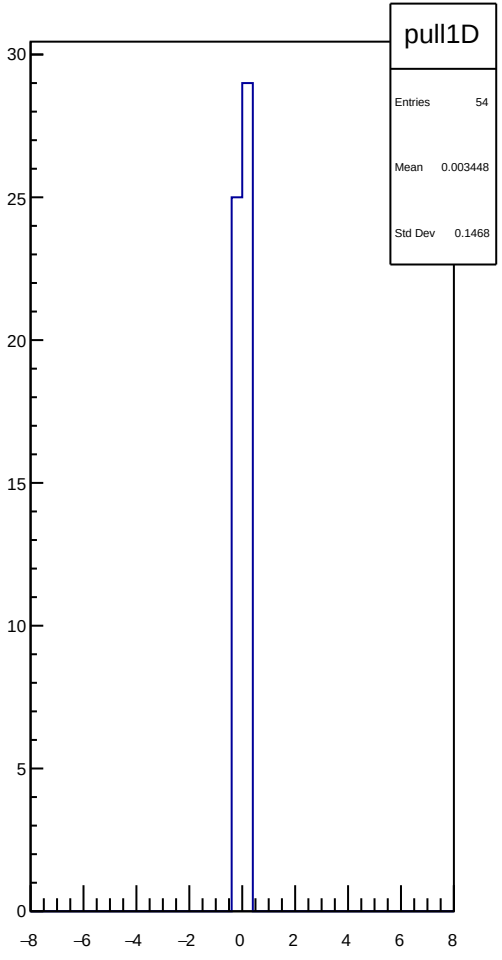

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ² / ndf 7.933 / 53
p0 −2.824 ± 1.961
pull
Entries 54
Mean −14.86
Std Dev 0
pull1D
Entries 54
Mean 0.1118
Std Dev 0.3666

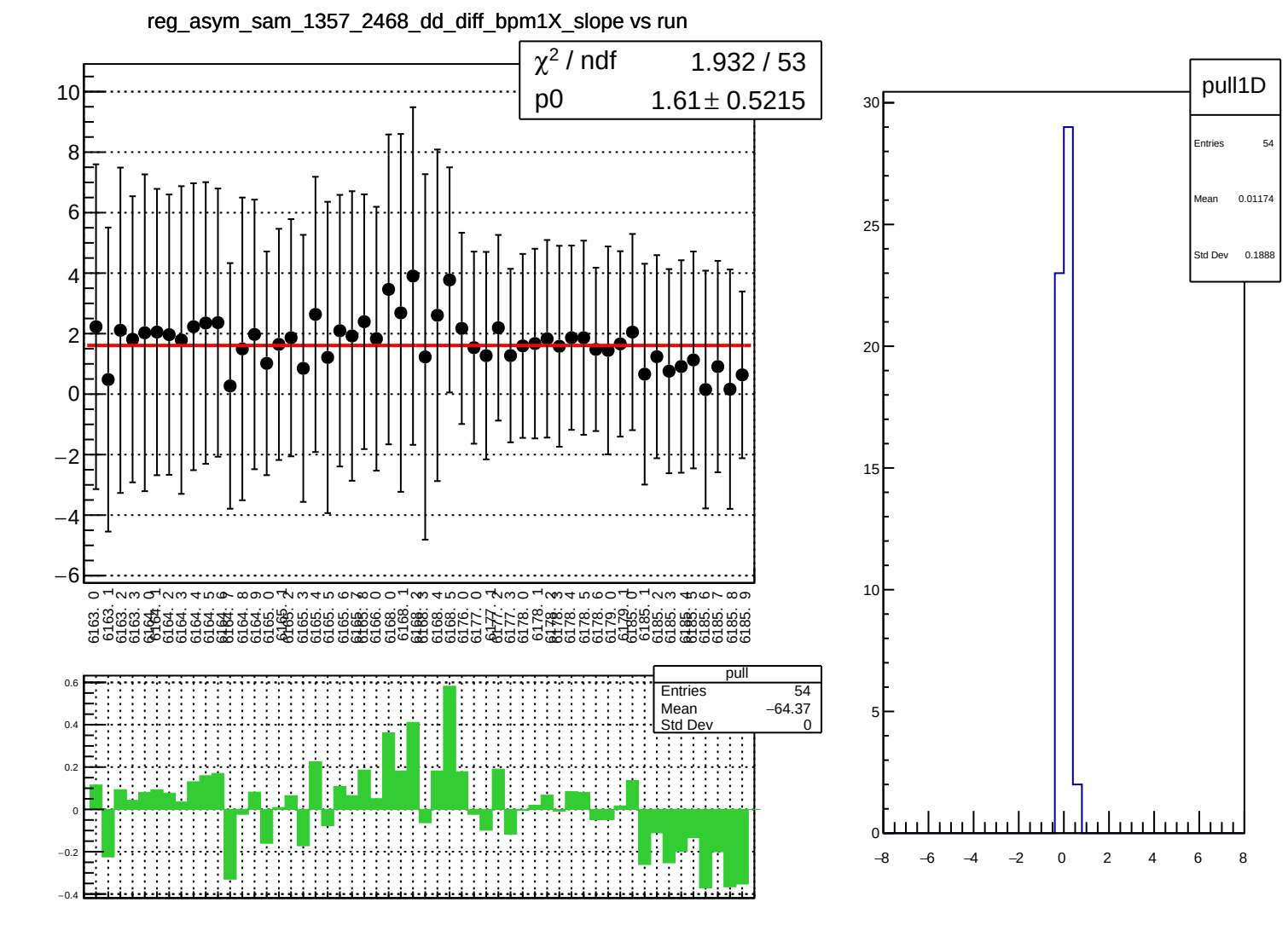

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ² / ndf 3.07 / 53
p0 −92.26 ± 2.213
pull
Entries 54
Mean −22.18
Std Dev 0

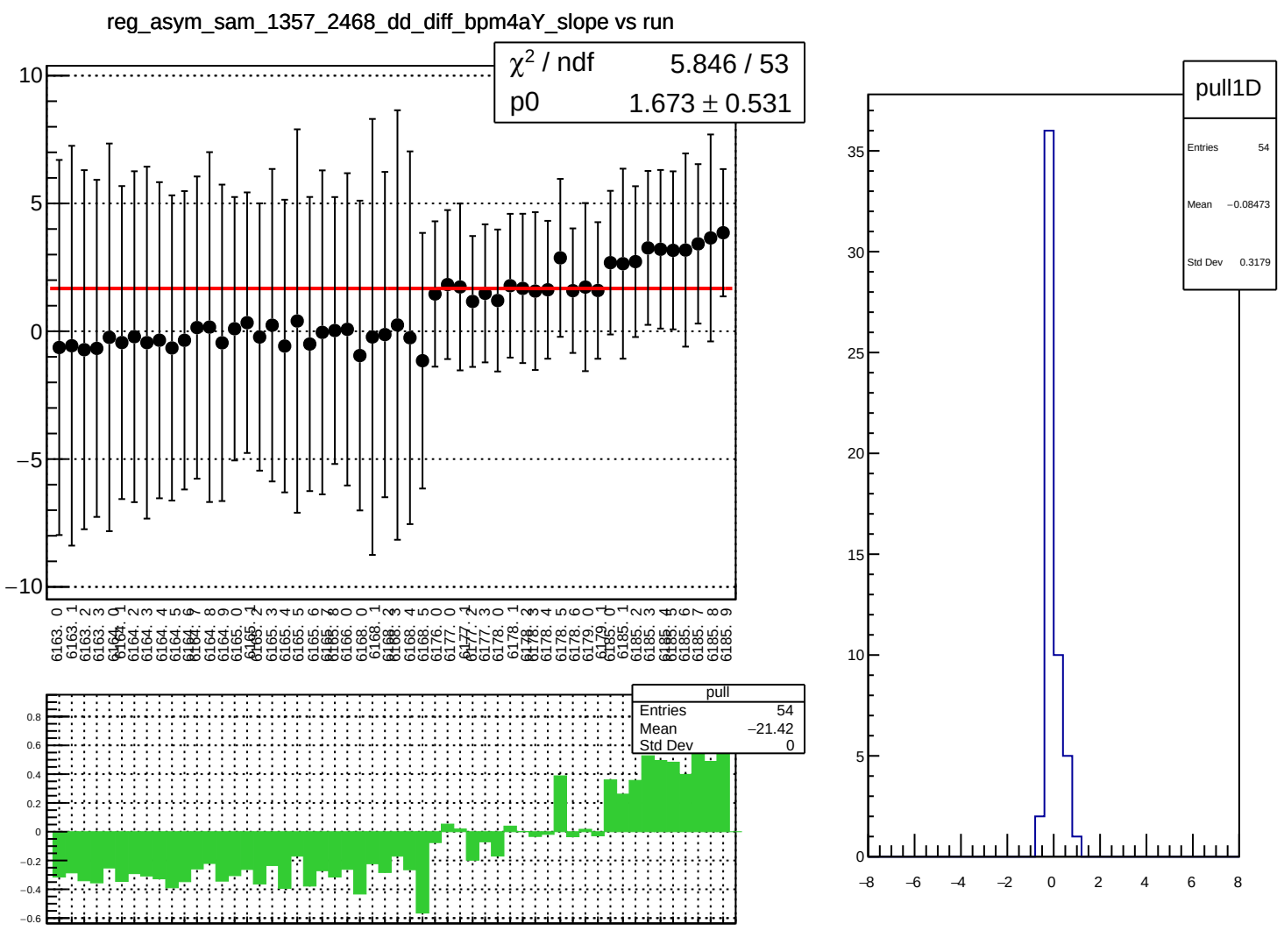

pull1D
Entries 54
Mean −0.04069
Std Dev 0.2349

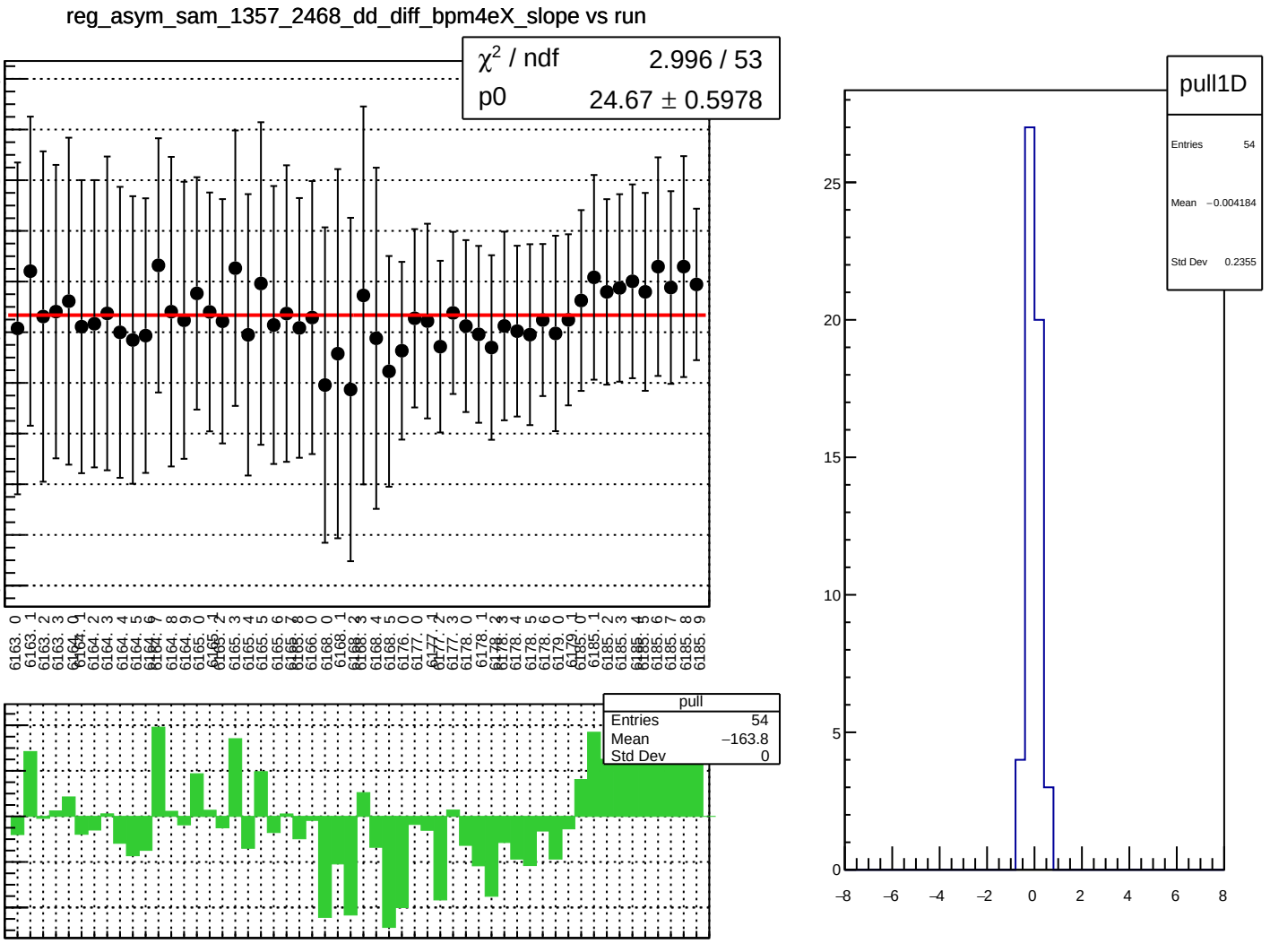

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ² / ndf 9.158 / 53
p0 45.06 ± 2.211
pull
Entries 54
Mean −18.36
Std Dev 0
pull1D
Entries 54
Mean −0.1065
Std Dev 0.3978

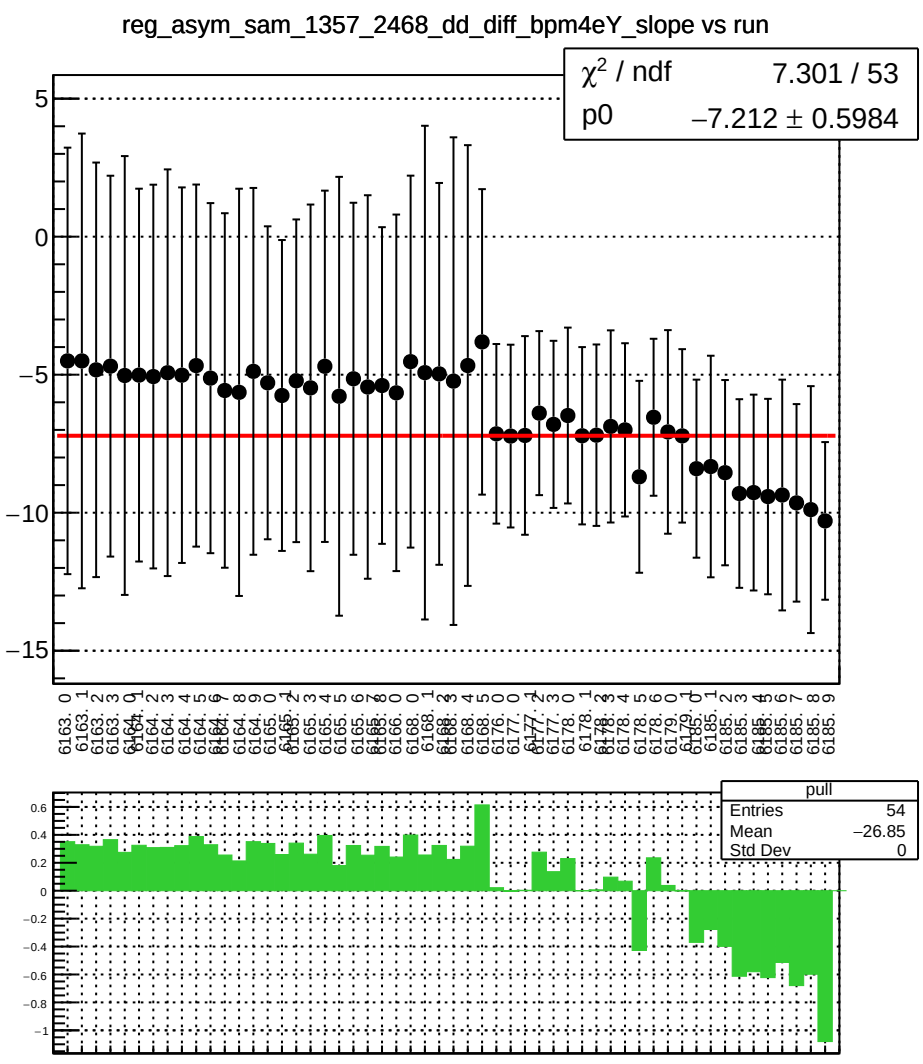

reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ² / ndf 1.165 / 53
p0 −0.6937 ± 0.1788
pull
Entries 54
Mean −67.91
Std Dev 0

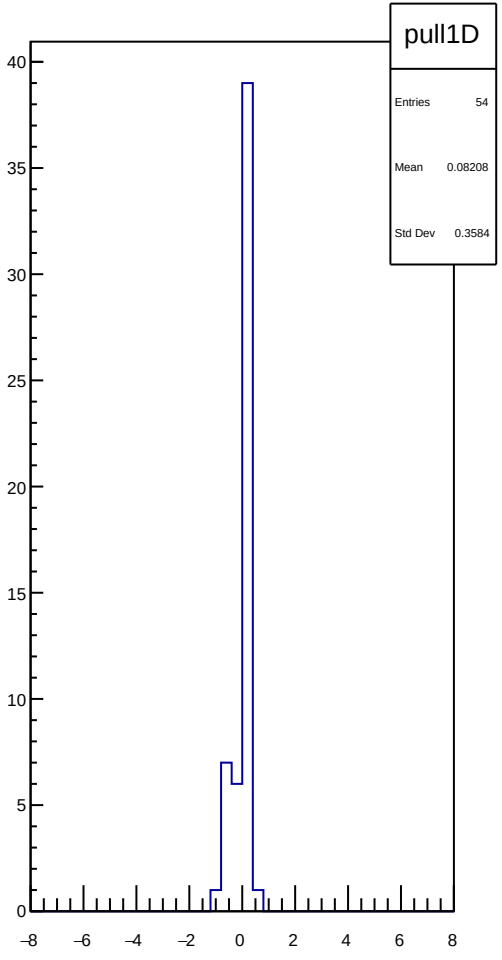

pull1D
Entries 54
Mean 0.003448
Std Dev 0.1468

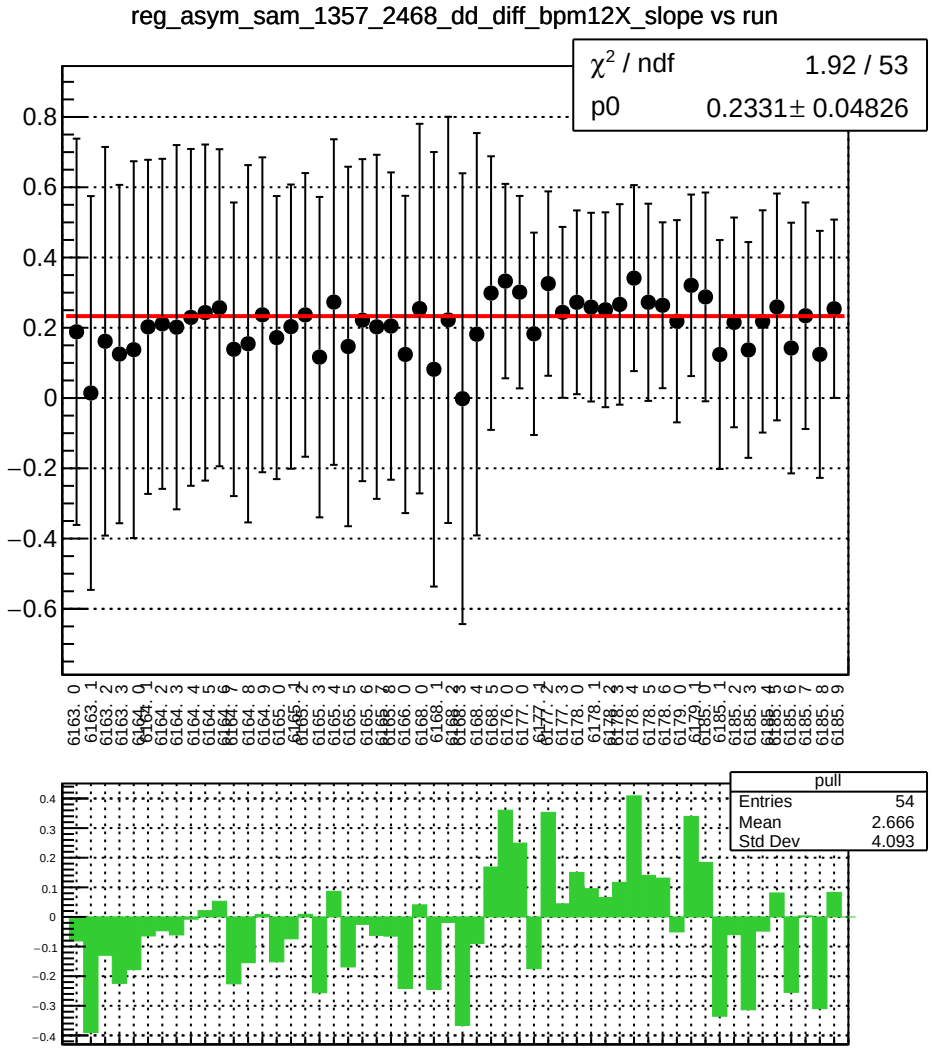

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs run
χ² / ndf 1.932 / 53
p0 1.61 ± 0.5215
pull
Entries 54
Mean −64.37
Std Dev 0
pull1D
Entries 54
Mean 0.01174
Std Dev 0.1888

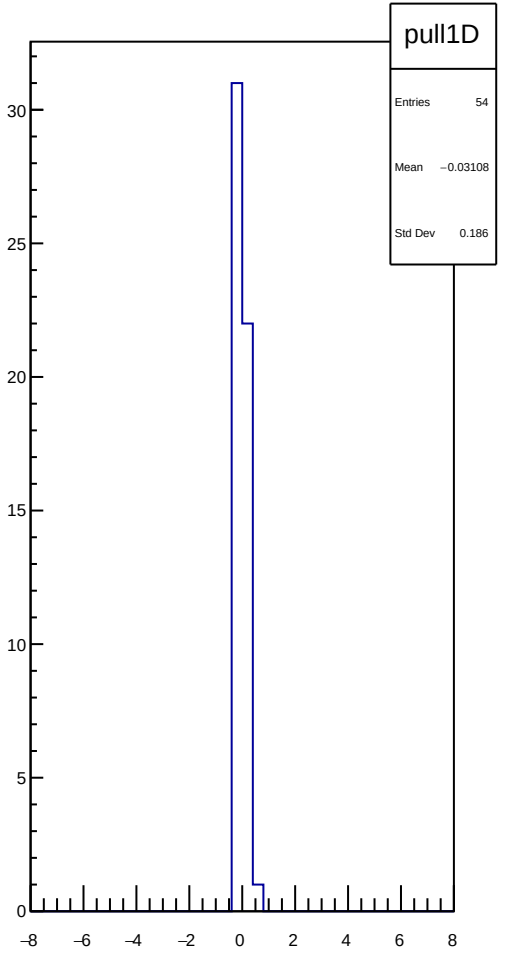

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run
χ² / ndf 5.846 / 53
p0 1.673 ± 0.531
pull
Entries 54
Mean −21.42
Std Dev 0
pull1D
Entries 54
Mean −0.08473
Std Dev 0.3179

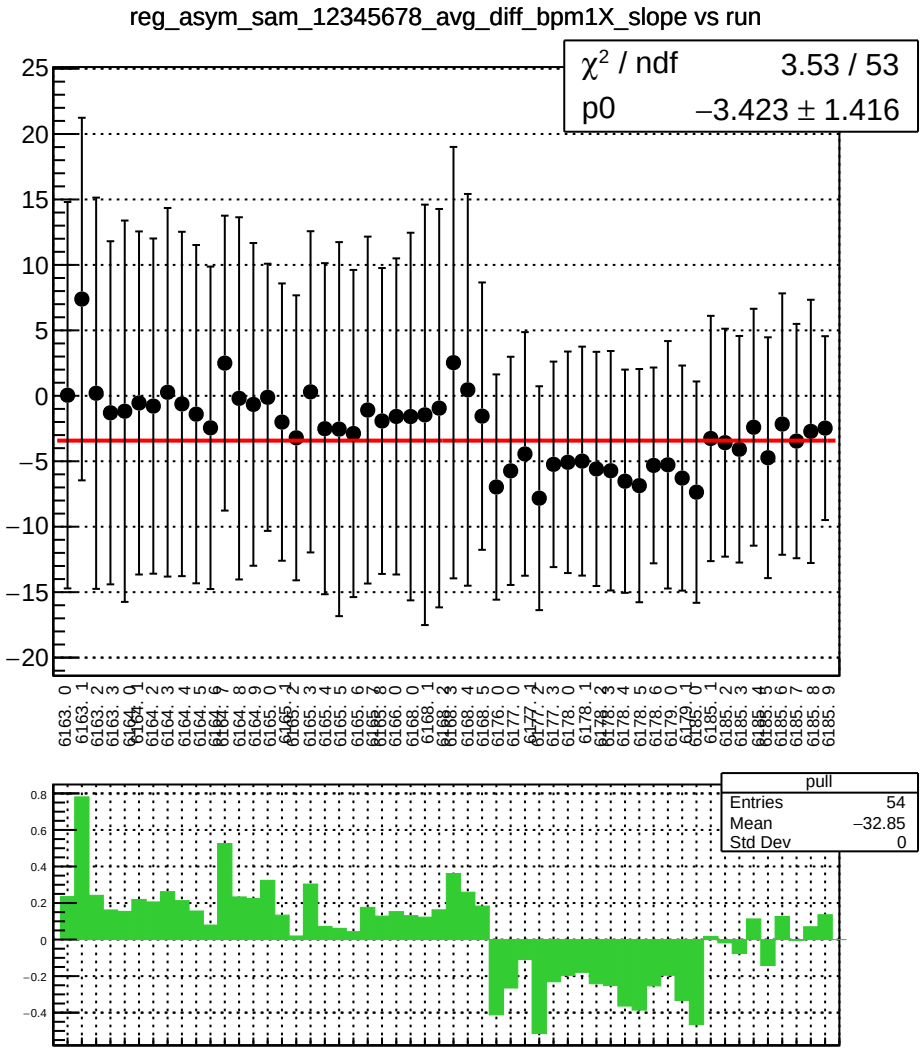

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run
χ² / ndf 2.996 / 53
p0 24.67 ± 0.5978
pull
Entries 54
Mean −163.8
Std Dev 0
pull1D
Entries 54
Mean −0.004184
Std Dev 0.2355

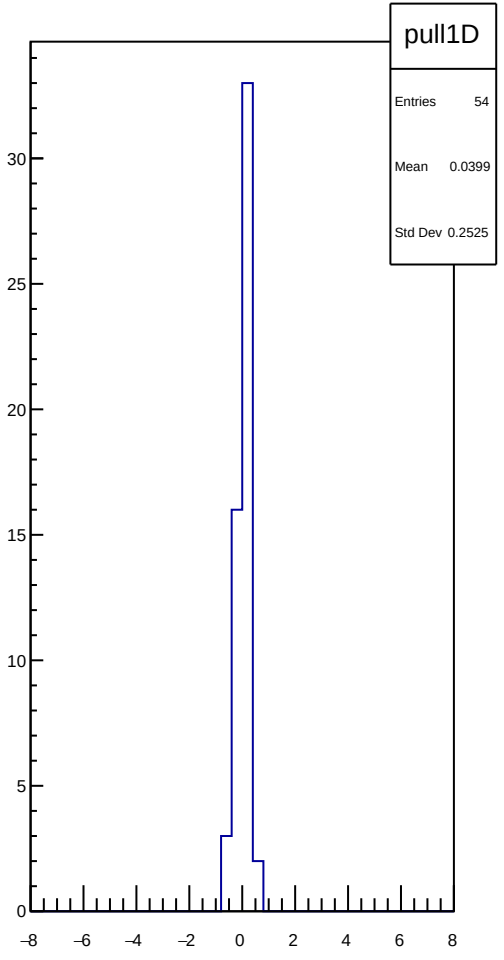

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run
χ² / ndf 7.301 / 53
p0 −7.212 ± 0.5984
pull
Entries 54
Mean −26.85
Std Dev 0

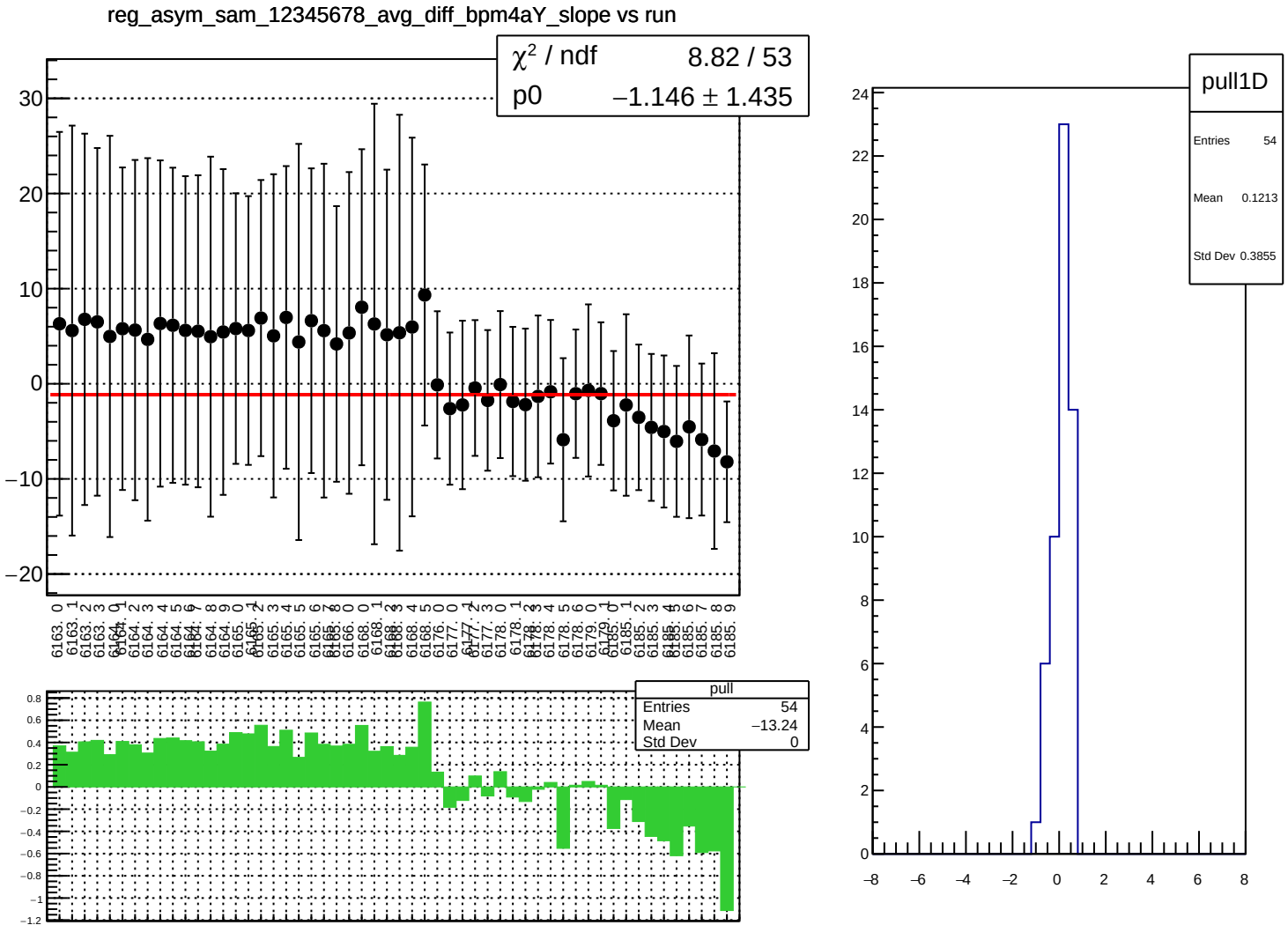

pull1D
Entries 54
Mean 0.08208
Std Dev 0.3584

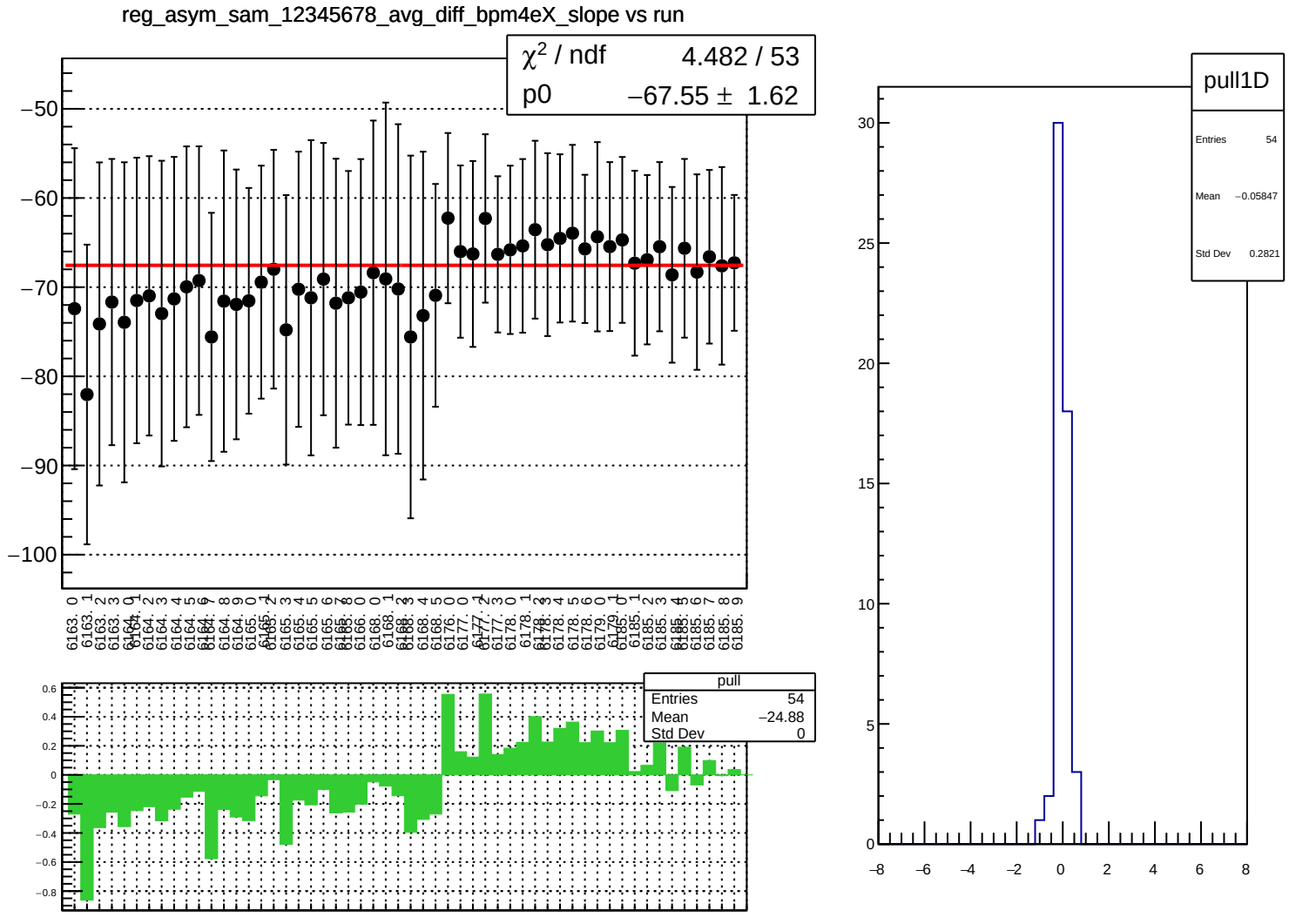

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ² / ndf 1.92 / 53
p0 0.2331± 0.04826
pull
Entries 54
Mean 2.666
Std Dev 4.093

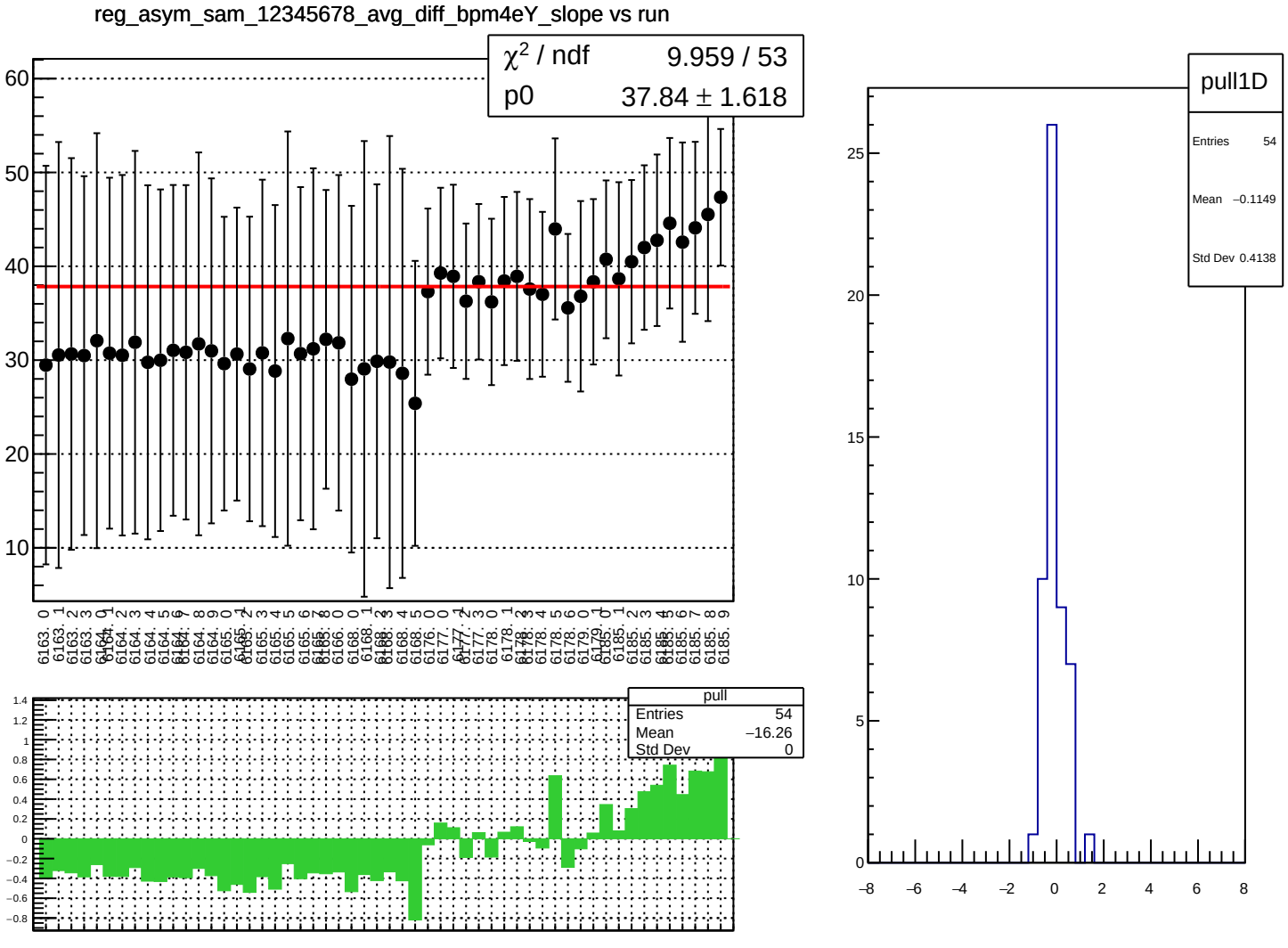

pull1D
Entries 54
Mean −0.03108
Std Dev 0.186

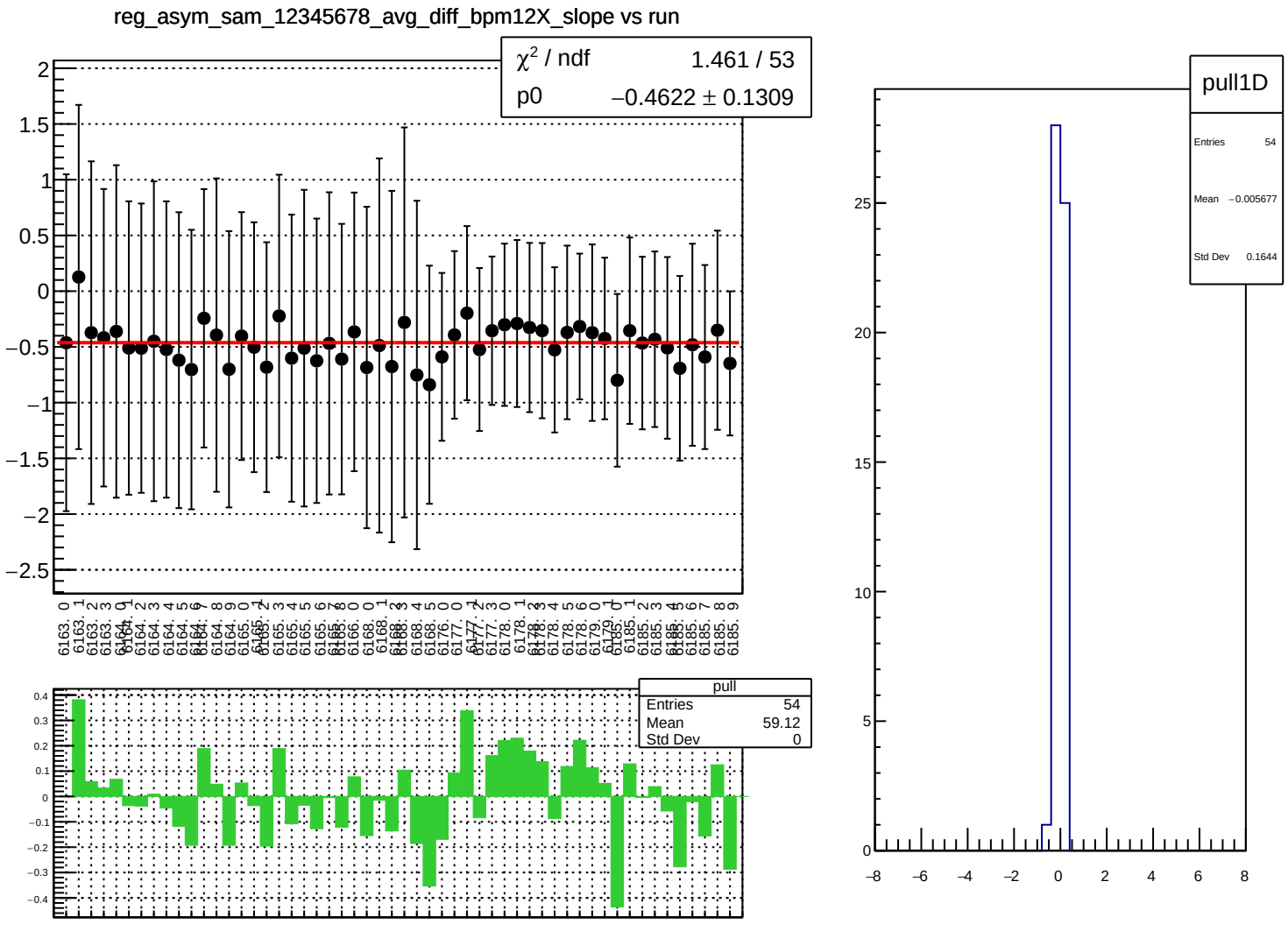

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs run
χ² / ndf 3.53 / 53
p0 −3.423 ± 1.416
pull
Entries 54
Mean −32.85
Std Dev 0

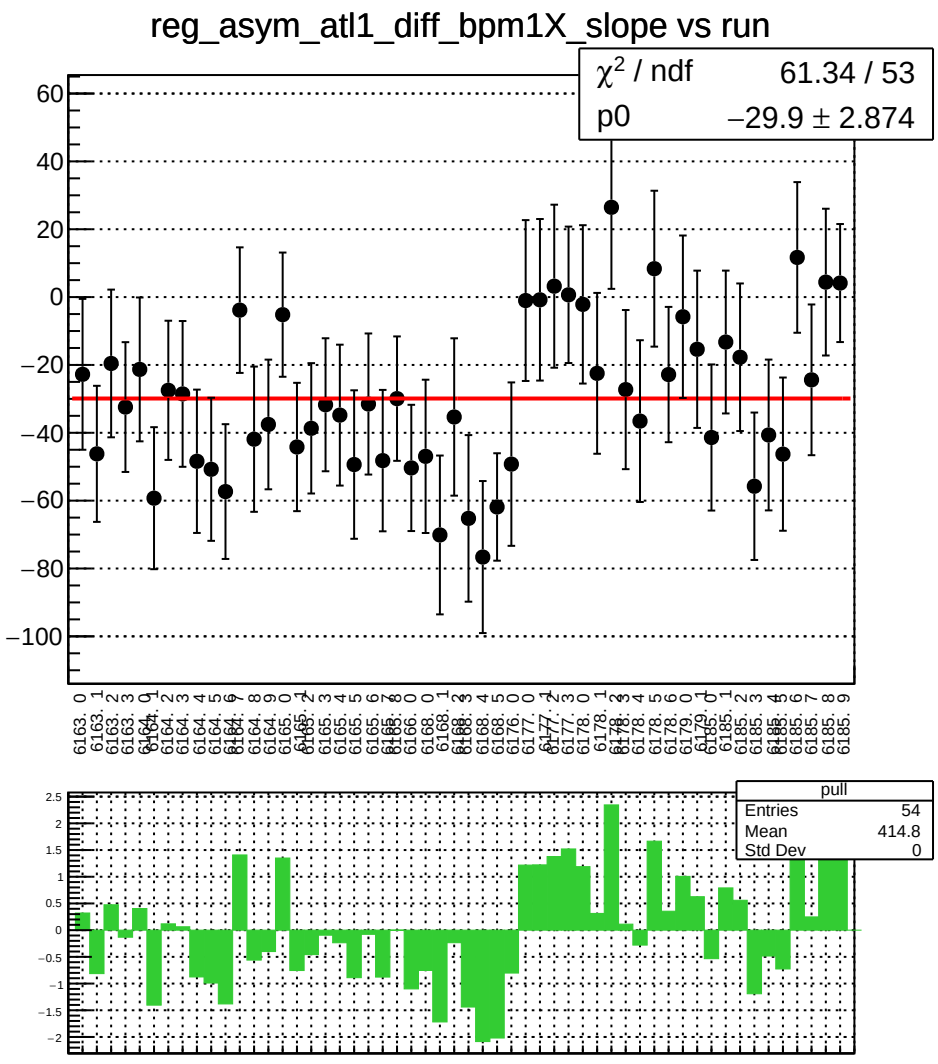

pull1D
Entries 54
Mean 0.0399
Std Dev 0.2525

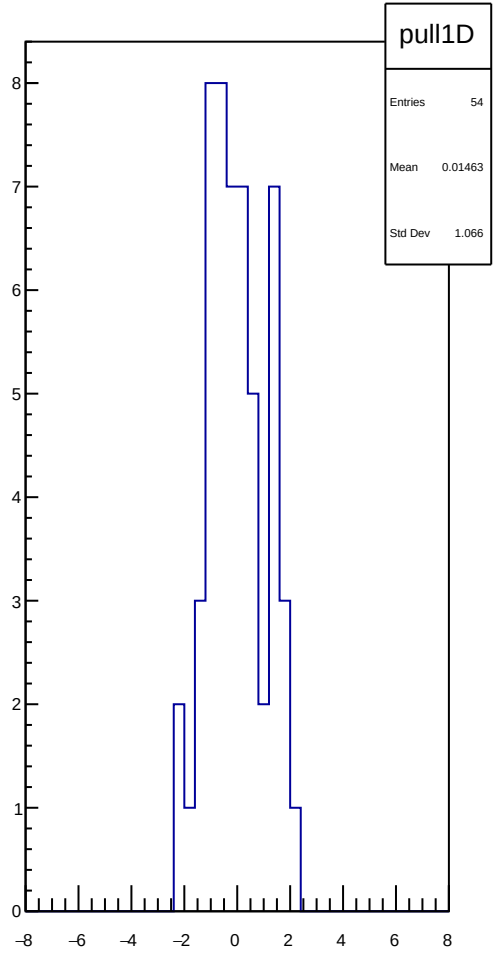

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run
χ² / ndf 8.82 / 53
p0 −1.146 ± 1.435
pull
Entries 54
Mean −13.24
Std Dev 0
pull1D
Entries 54
Mean 0.1213
Std Dev 0.3855

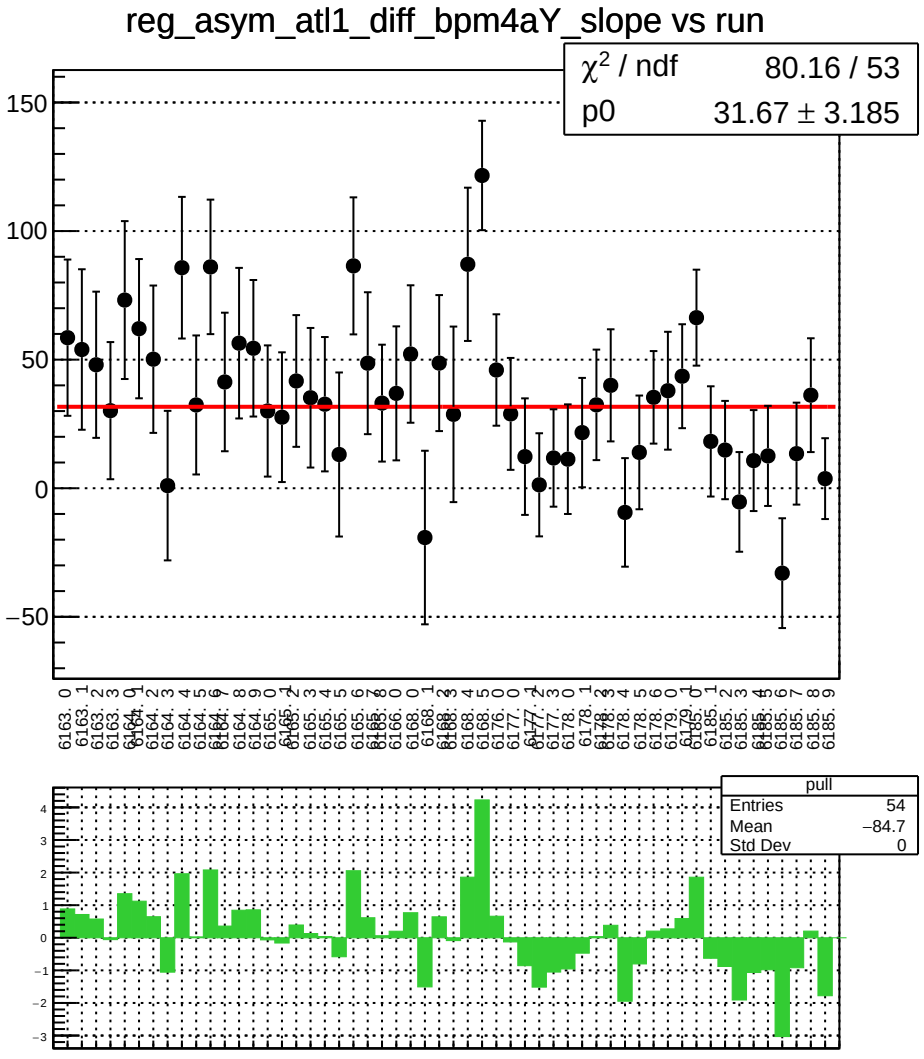

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run
χ² / ndf 4.482 / 53
p0 −67.55 ± 1.62
pull
Entries 54
Mean −24.88
Std Dev 0
pull1D
Entries 54
Mean −0.05847
Std Dev 0.2821

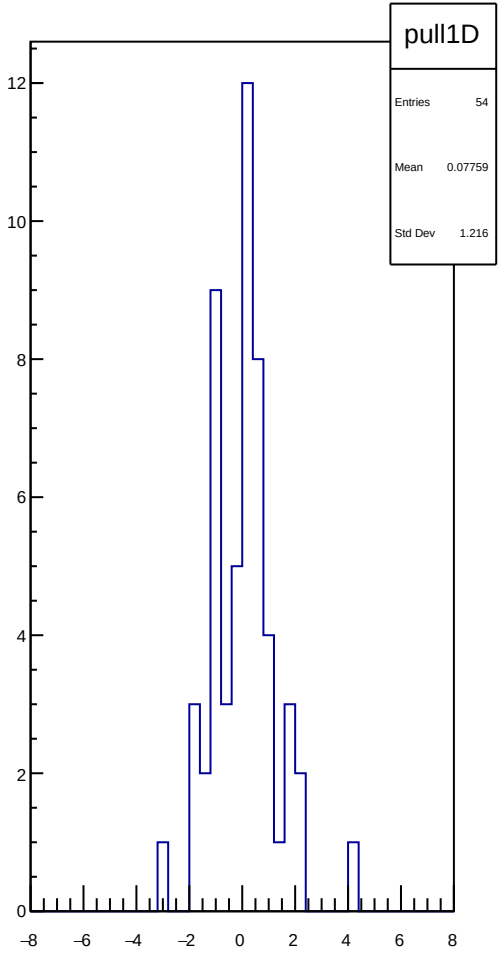

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run
χ² / ndf 9.959 / 53
p0 37.84 ± 1.618
pull
Entries 54
Mean −16.26
Std Dev 0
pull1D
Entries 54
Mean −0.1149
Std Dev 0.4138

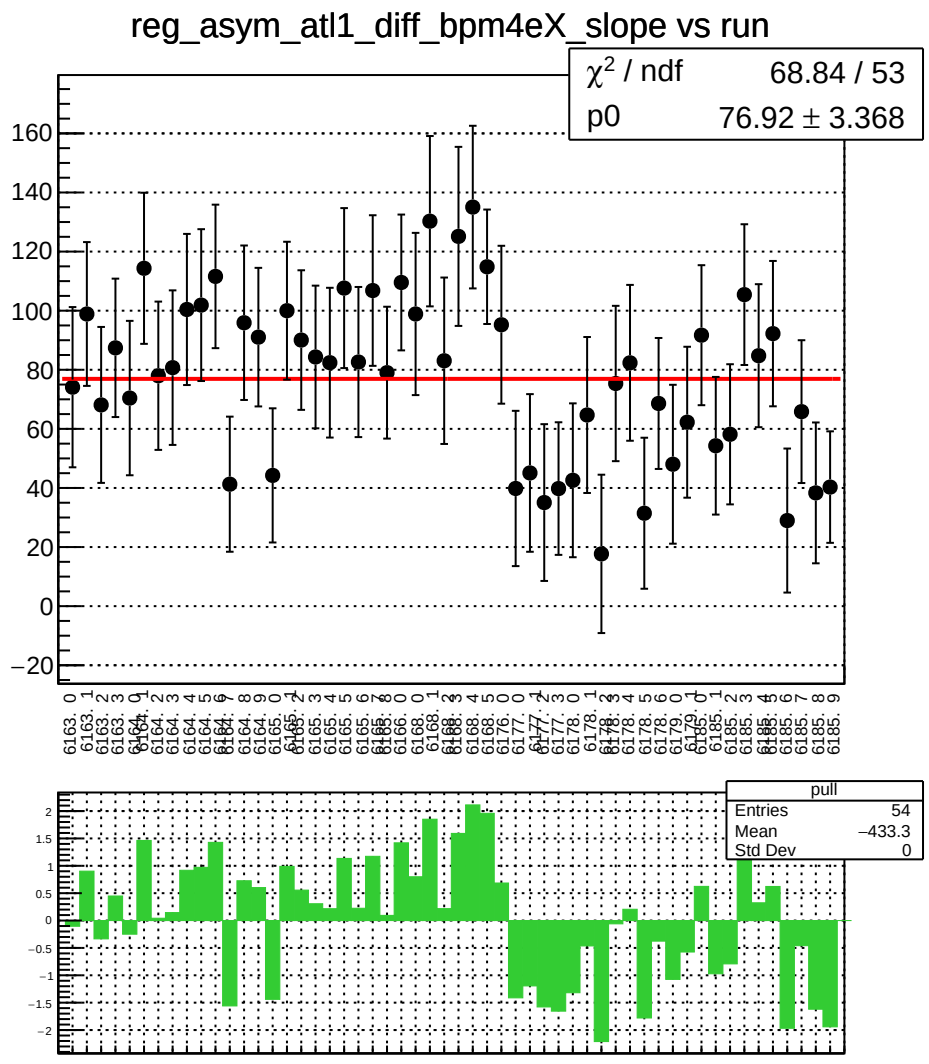

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run
χ² / ndf 1.461 / 53
p0 −0.4622 ± 0.1309
pull
Entries 54
Mean 59.12
Std Dev 0
pull1D
Entries 54
Mean −0.005677
Std Dev 0.1644

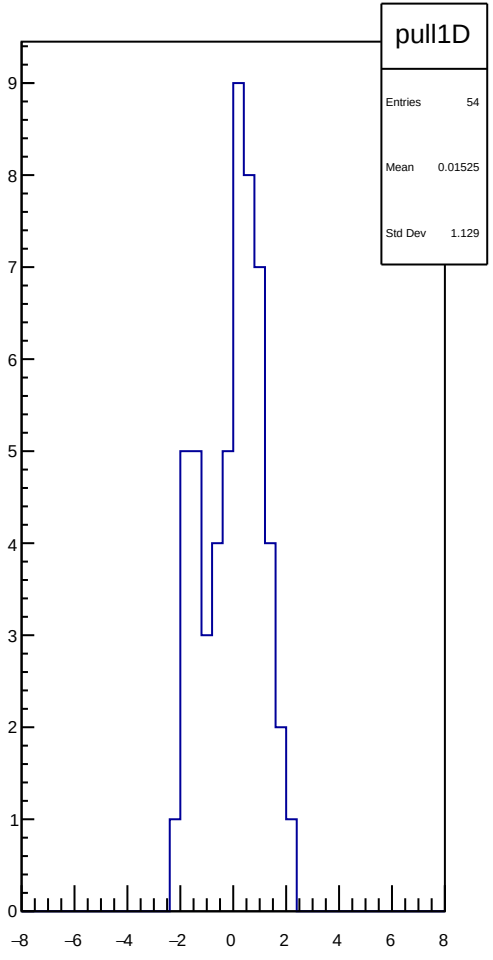

reg_asym_atl1_diff_bpm1X_slope vs run
χ² / ndf 61.34 / 53
p0 −29.9 ± 2.874
pull
Entries 54
Mean 414.8
Std Dev 0

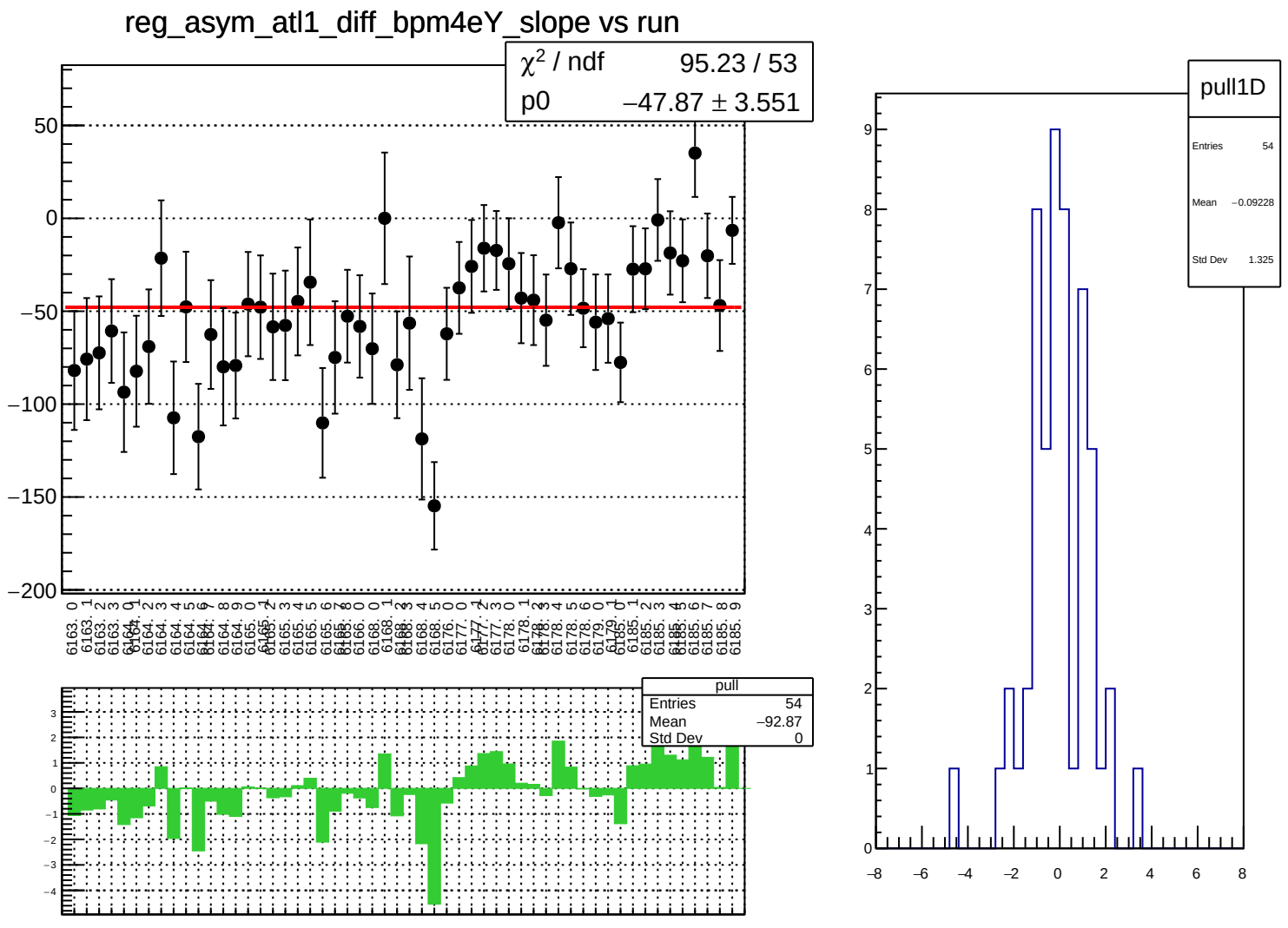

pull1D
Entries 54
Mean 0.01463
Std Dev 1.066

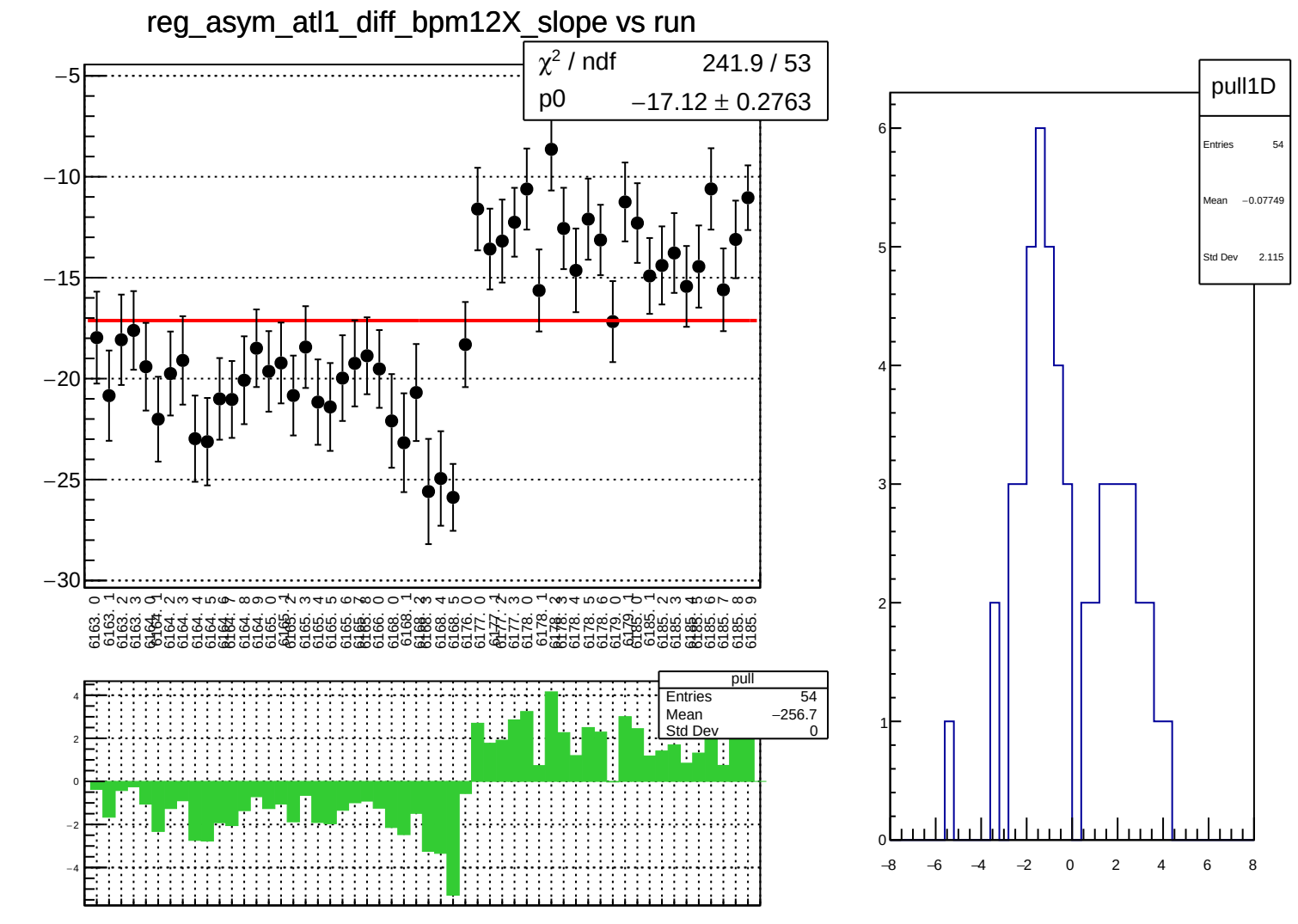

reg_asym_atl1_diff_bpm4aY_slope vs run
χ² / ndf 80.16 / 53
p0 31.67 ± 3.185
150
100
50
0
−50
pull
Entries 54
Mean −84.7
Std Dev 0
4
3
2
1
0
−1
−2
−3

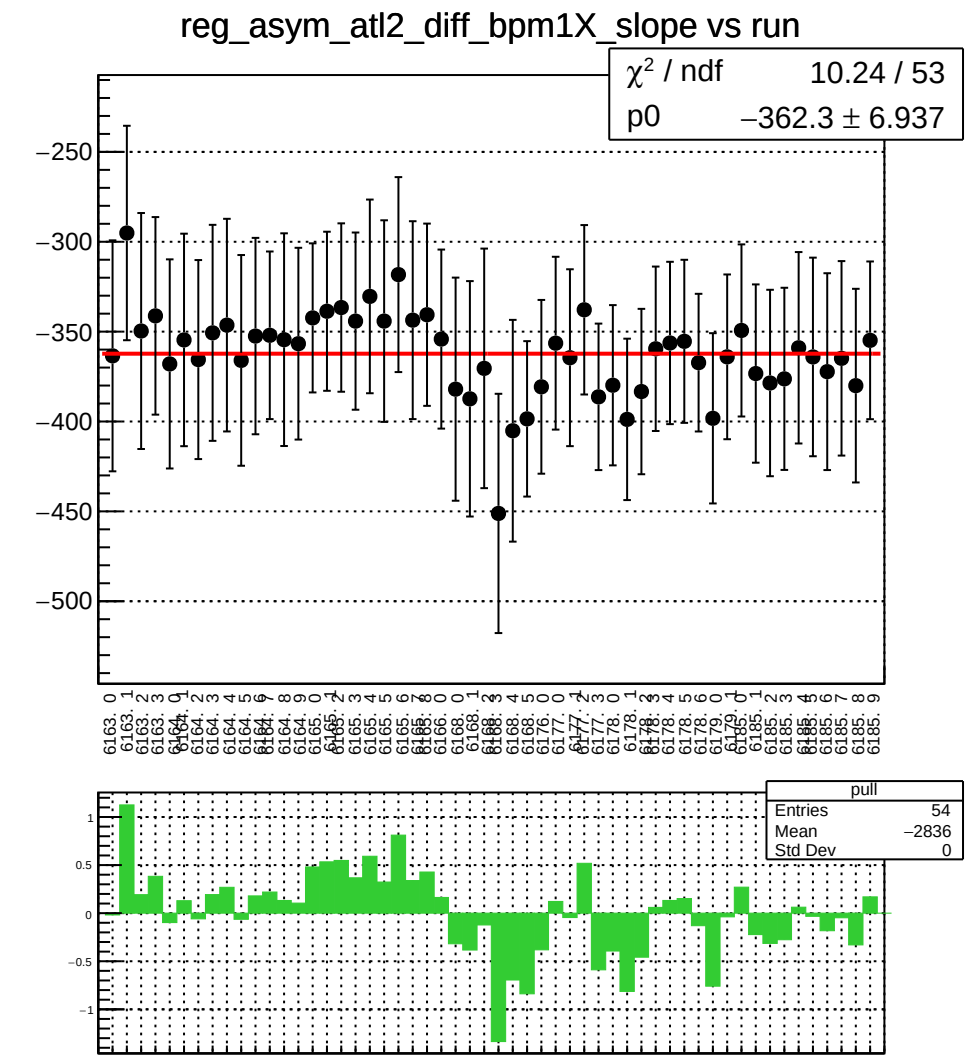

pull1D
Entries 54
Mean 0.07759
Std Dev 1.216
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

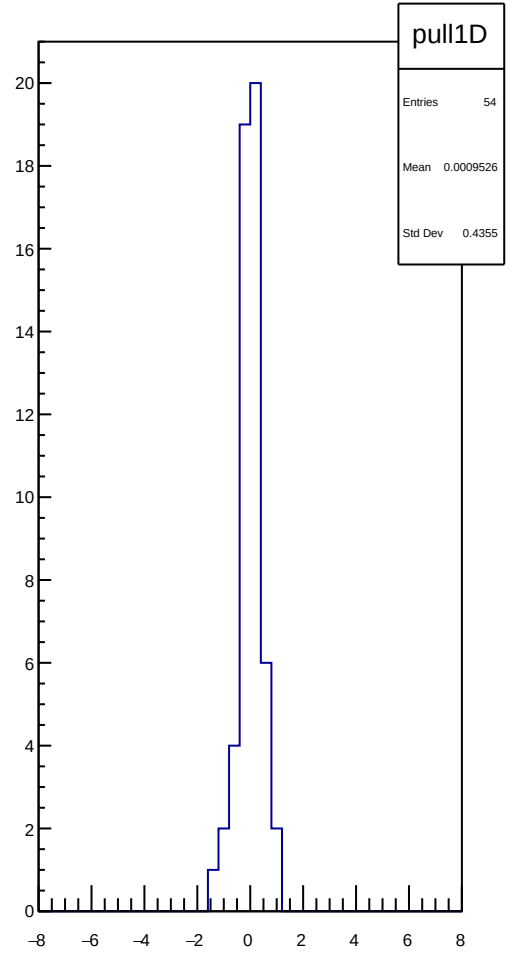

reg_asym_atl1_diff_bpm4eX_slope vs run
χ² / ndf 68.84 / 53
p0 76.92 ± 3.368
pull
Entries 54
Mean −433.3
Std Dev 0

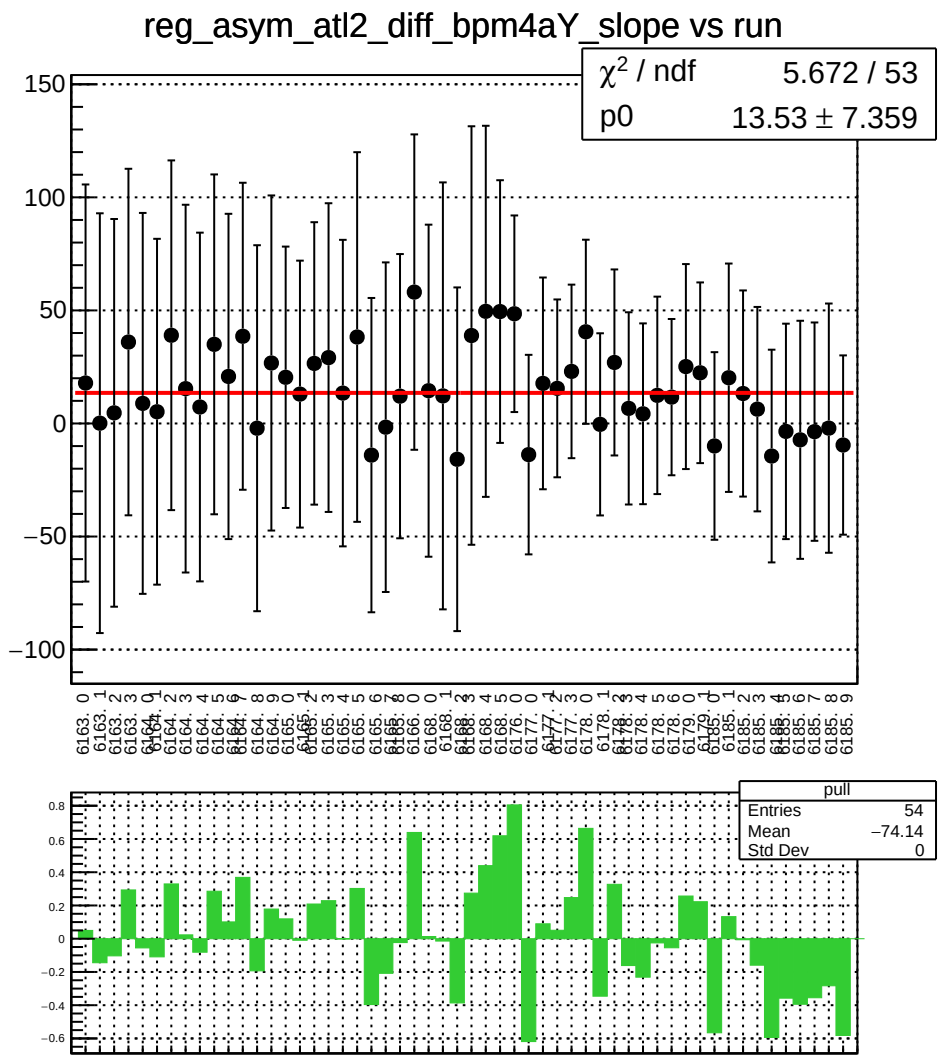

pull1D
Entries 54
Mean 0.01525
Std Dev 1.129

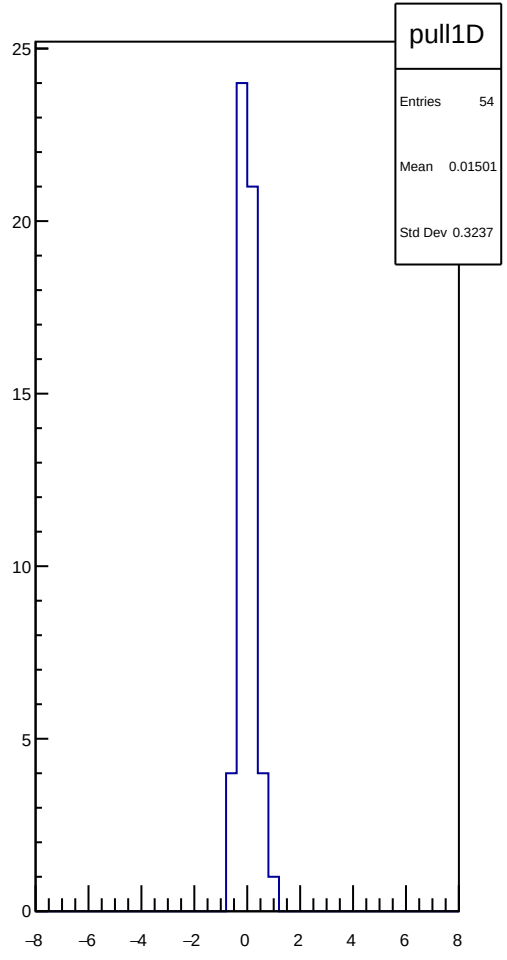

reg_asym_atl1_diff_bpm4eY_slope vs run
χ² / ndf 95.23 / 53
p0 −47.87 ± 3.551
pull
Entries 54
Mean −92.87
Std Dev 0
pull1D
Entries 54
Mean −0.09228
Std Dev 1.325

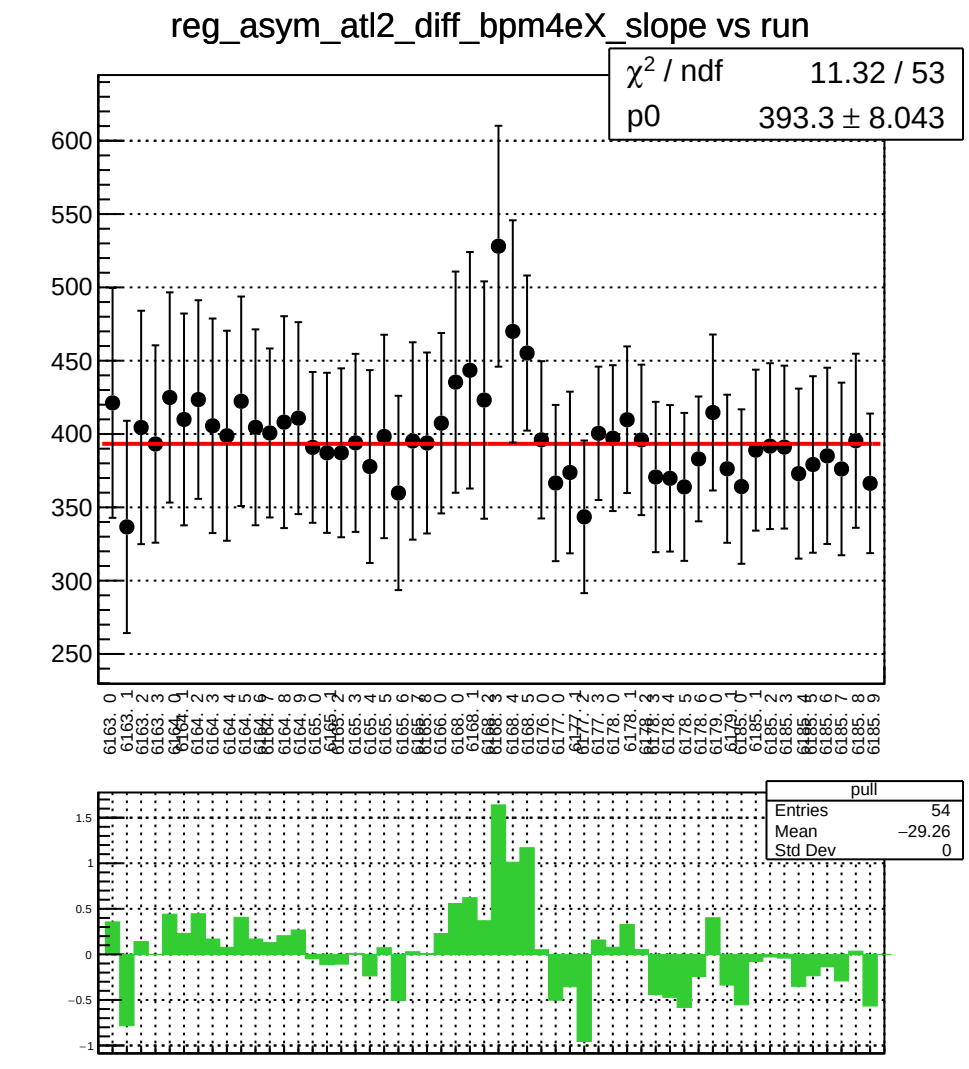

reg_asym_atl1_diff_bpm12X_slope vs run
χ² / ndf 241.9 / 53
p0 −17.12 ± 0.2763
pull
Entries 54
Mean −256.7
Std Dev 0
pull1D
Entries 54
Mean −0.07749
Std Dev 2.115

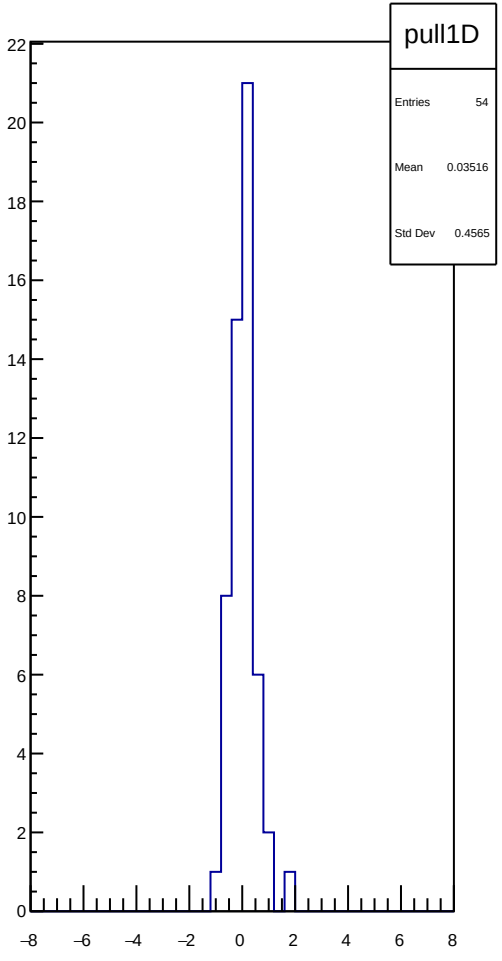

reg_asym_atl2_diff_bpm1X_slope vs run
χ² / ndf 10.24 / 53
p0 −362.3 ± 6.937
pull
Entries 54
Mean −2836
Std Dev 0

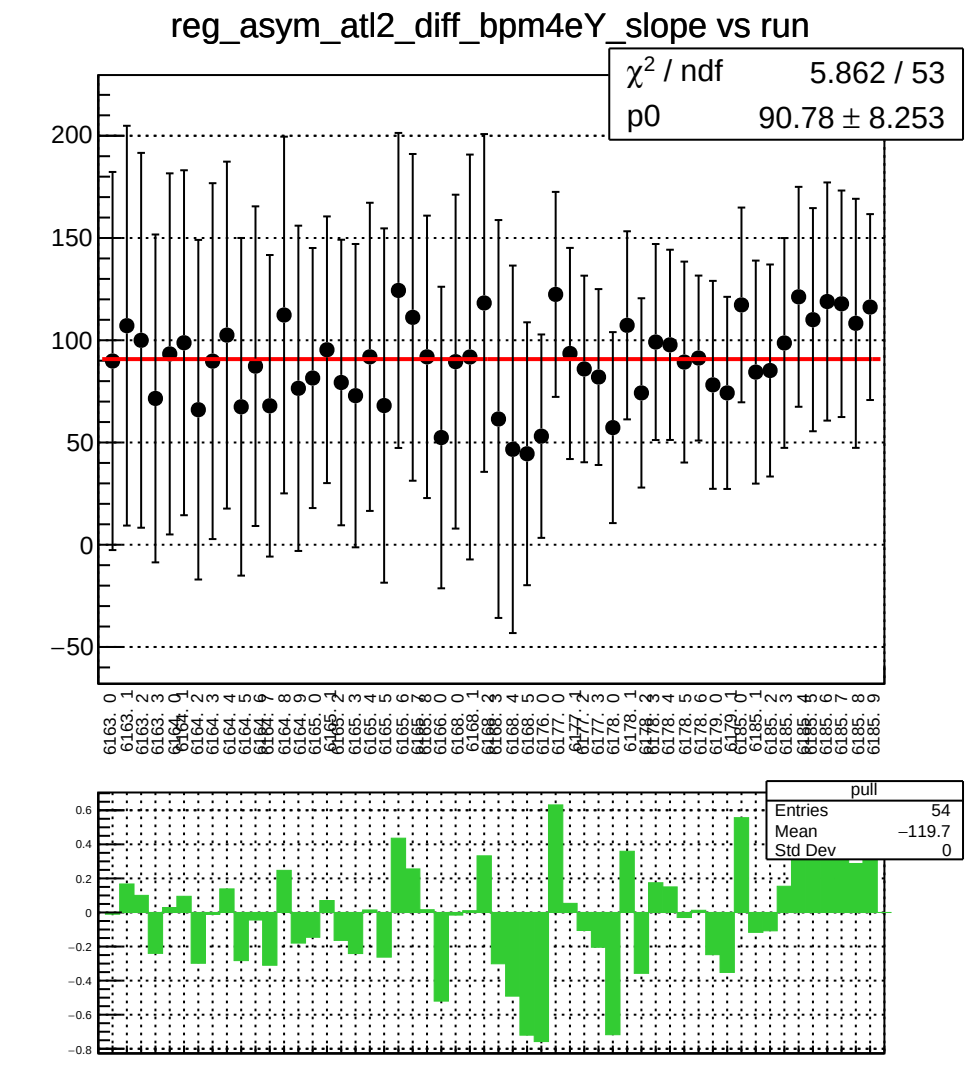

pull1D
Entries 54
Mean 0.0009526
Std Dev 0.4355

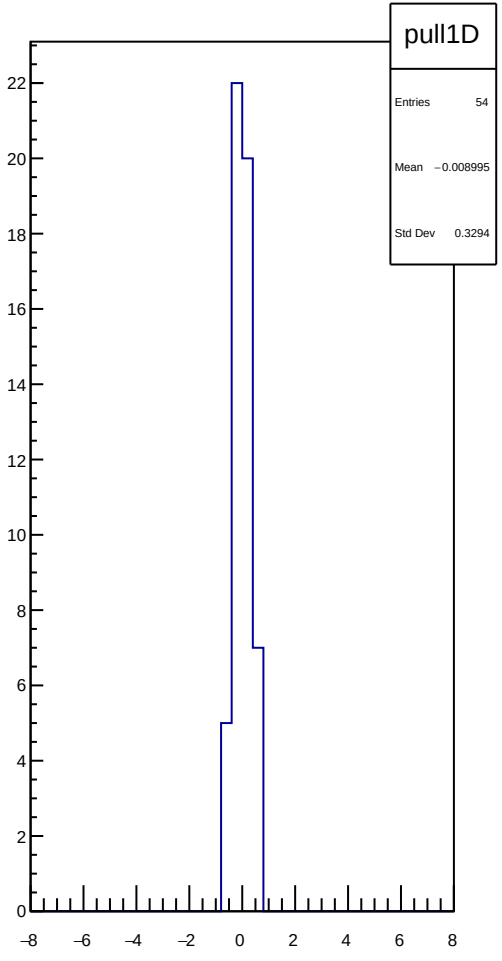

reg_asym_atl2_diff_bpm4aY_slope vs run
χ² / ndf 5.672 / 53
p0 13.53 ± 7.359
150
100
50
0
−50
−100
pull
Entries 54
Mean −74.14
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

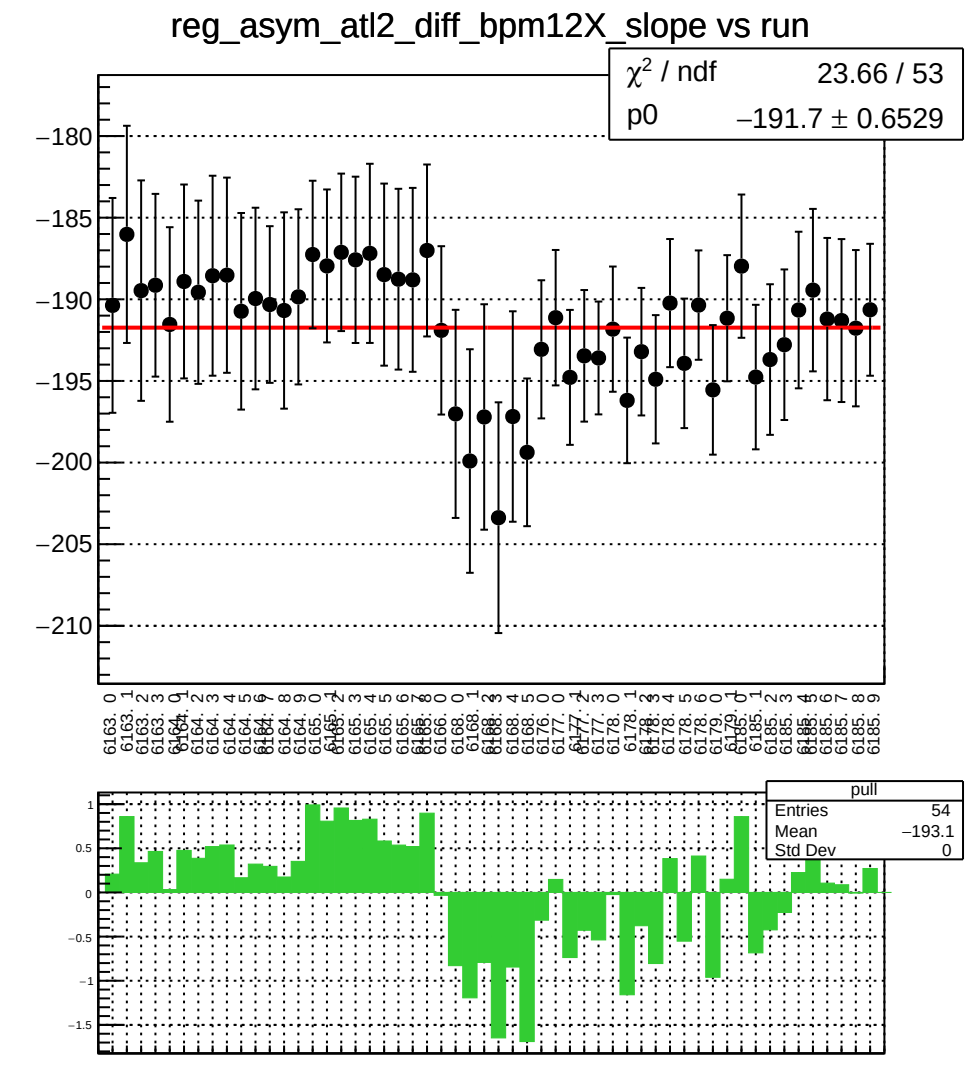

pull1D
Entries 54
Mean 0.01501
Std Dev 0.3237
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

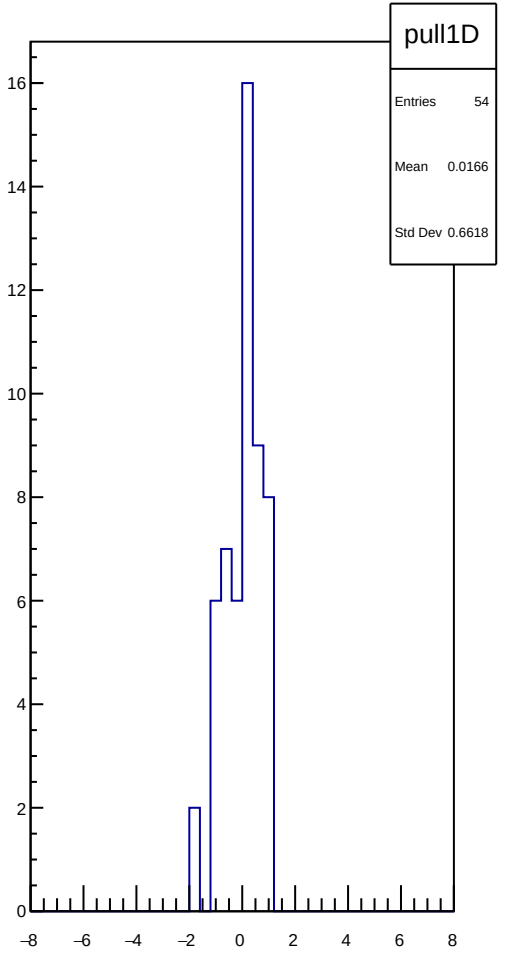

reg_asym_atl2_diff_bpm4eX_slope vs run
χ² / ndf 11.32 / 53
p0 393.3 ± 8.043
pull
Entries 54
Mean −29.26
Std Dev 0

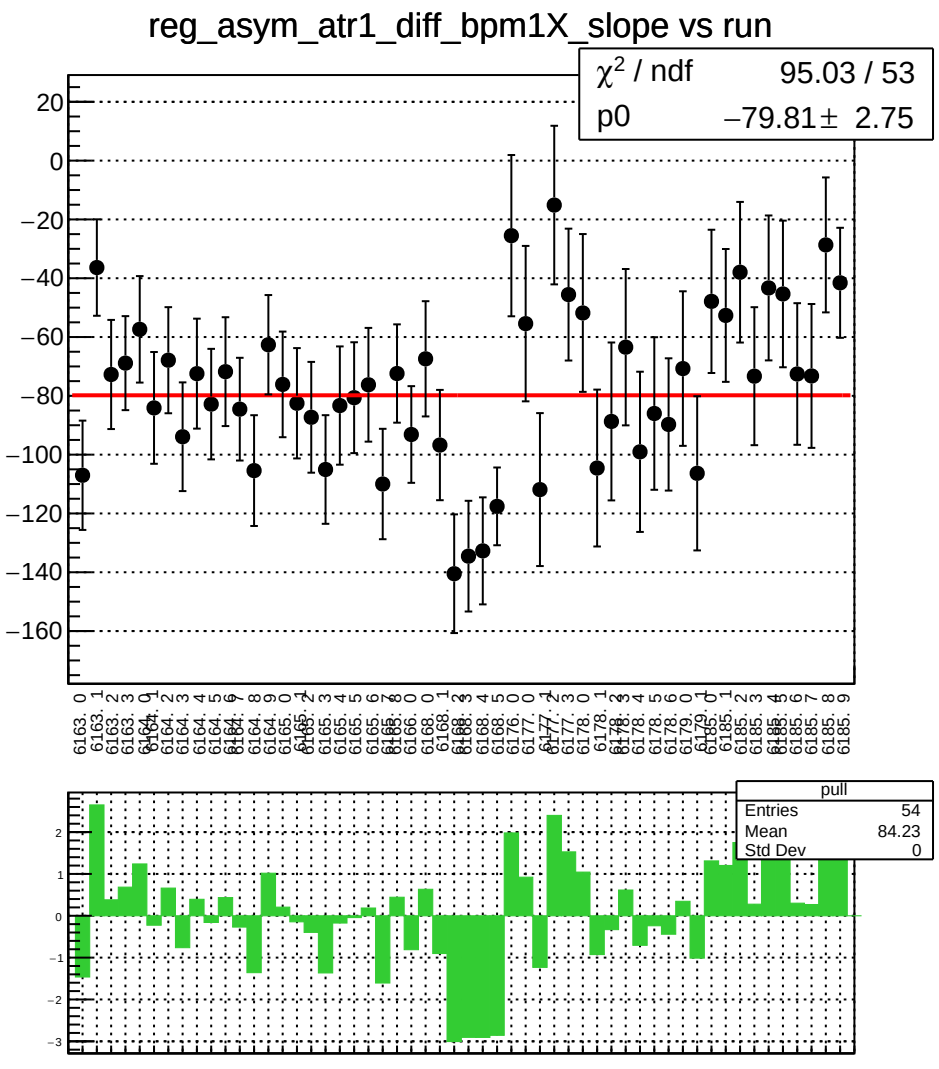

pull1D
Entries 54
Mean 0.03516
Std Dev 0.4565

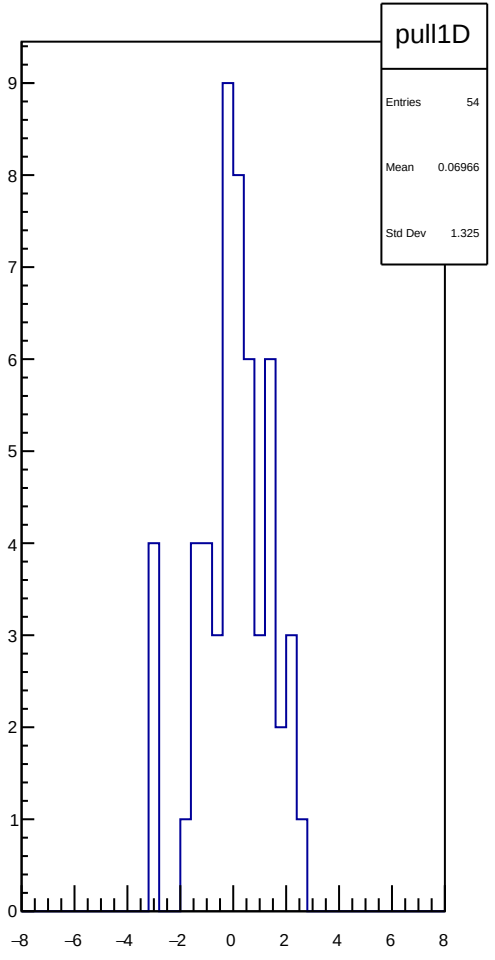

reg_asym_atl2_diff_bpm4eY_slope vs run
χ² / ndf 5.862 / 53
p0 90.78 ± 8.253
pull
Entries 54
Mean −119.7
Std Dev 0

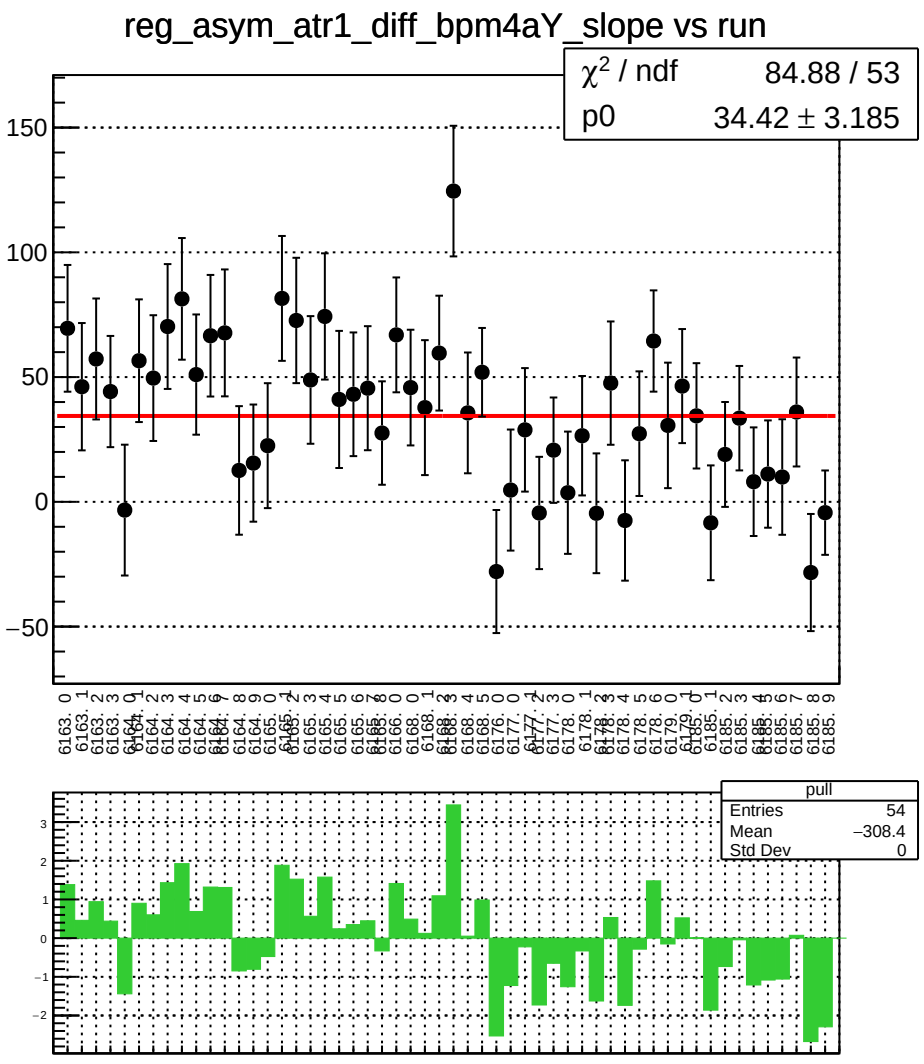

pull1D
Entries 54
Mean −0.008995
Std Dev 0.3294

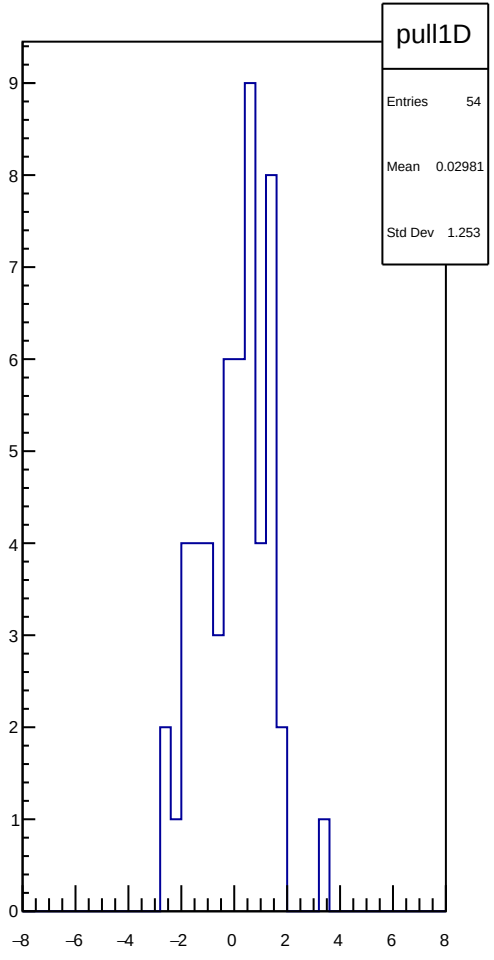

reg_asym_atl2_diff_bpm12X_slope vs run
χ² / ndf 23.66 / 53
p0 −191.7 ± 0.6529
pull
Entries 54
Mean −193.1
Std Dev 0

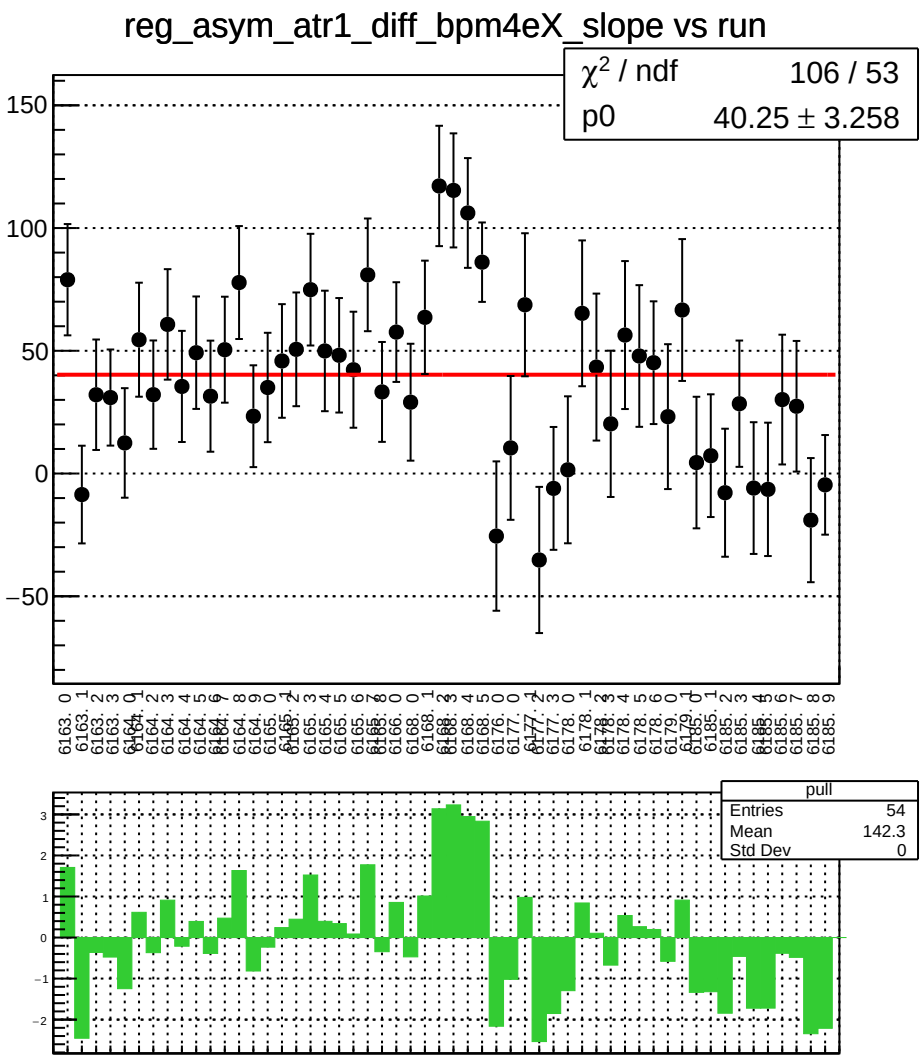

pull1D
Entries 54
Mean 0.0166
Std Dev 0.6618

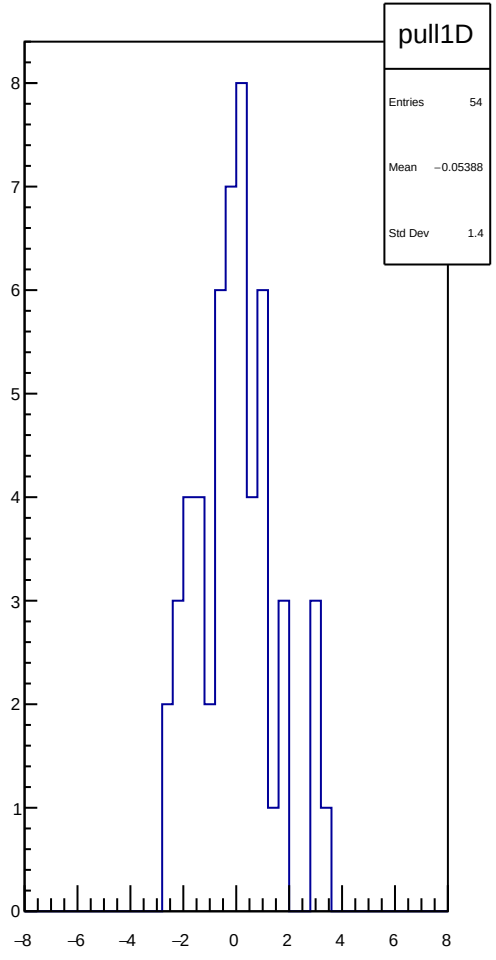

reg_asym_atr1_diff_bpm1X_slope vs run
χ² / ndf 95.03 / 53
p0 −79.81 ± 2.75
pull
Entries 54
Mean 84.23
Std Dev 0

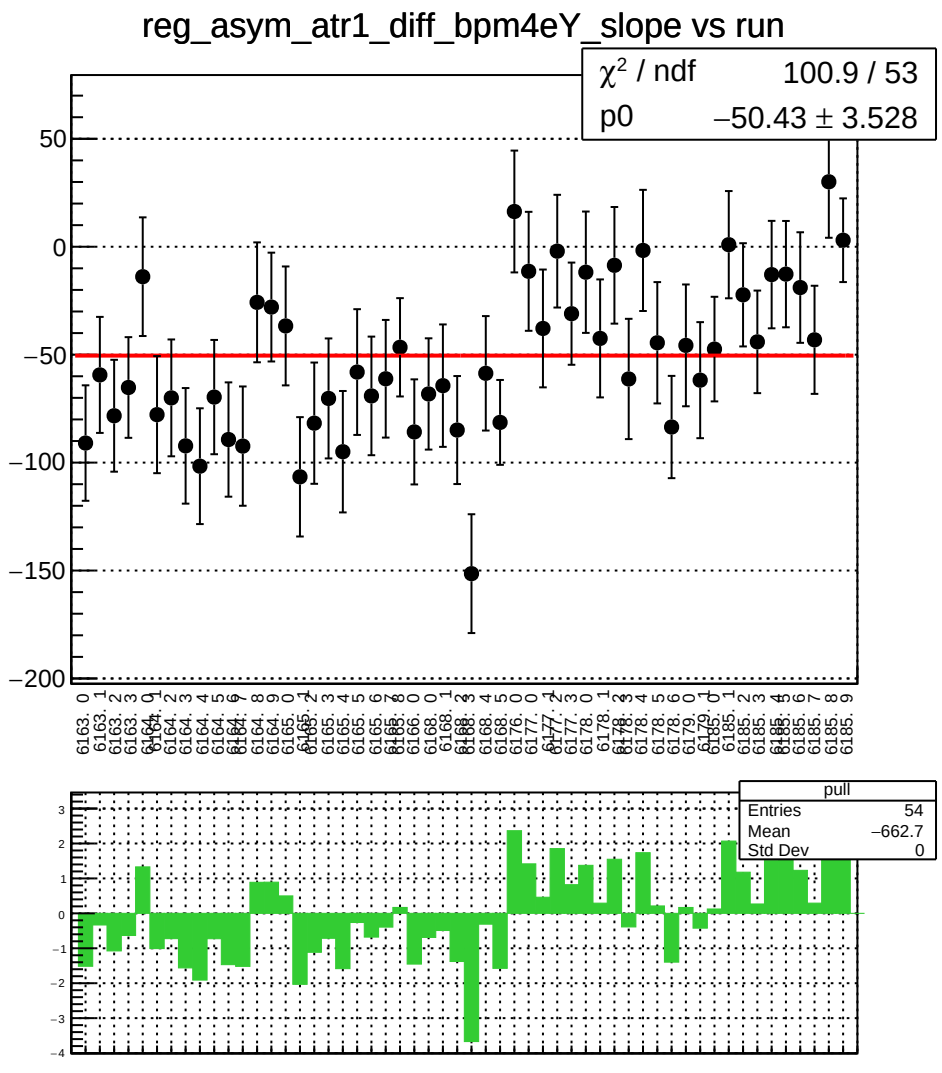

pull1D
Entries 54
Mean 0.06966
Std Dev 1.325

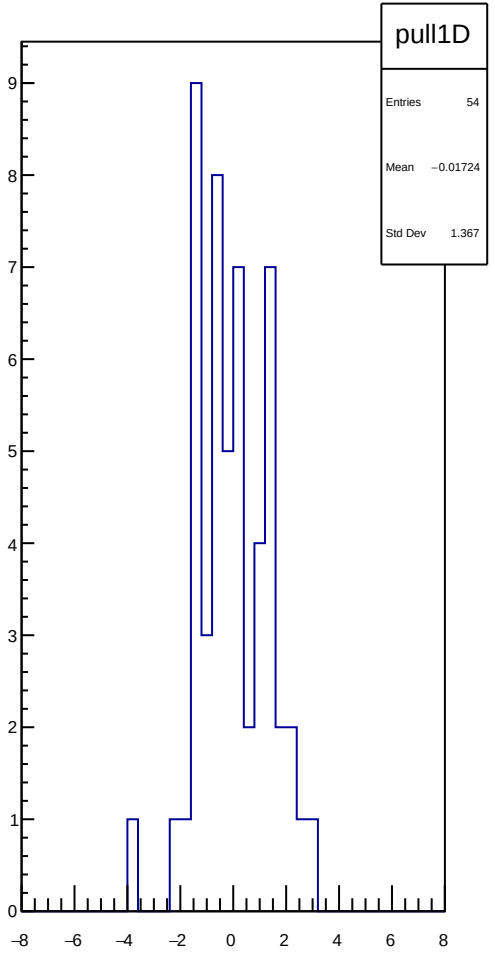

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 84.88 / 53
p0 34.42 ± 3.185
150
100
50
0
−50
pull
Entries 54
Mean −308.4
Std Dev 0
3
2
1
0
−1
−2

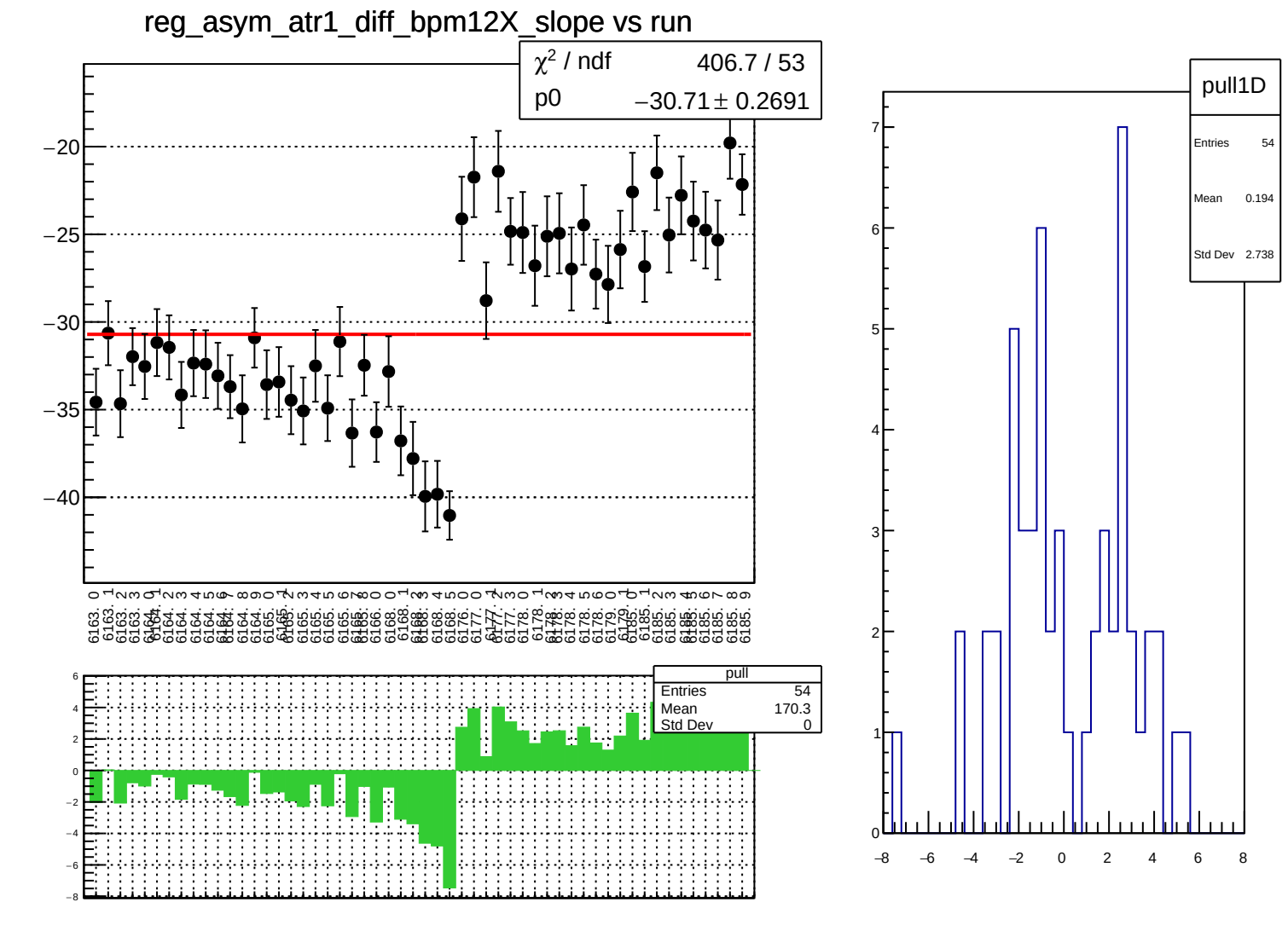

pull1D
Entries 54
Mean 0.02981
Std Dev 1.253
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

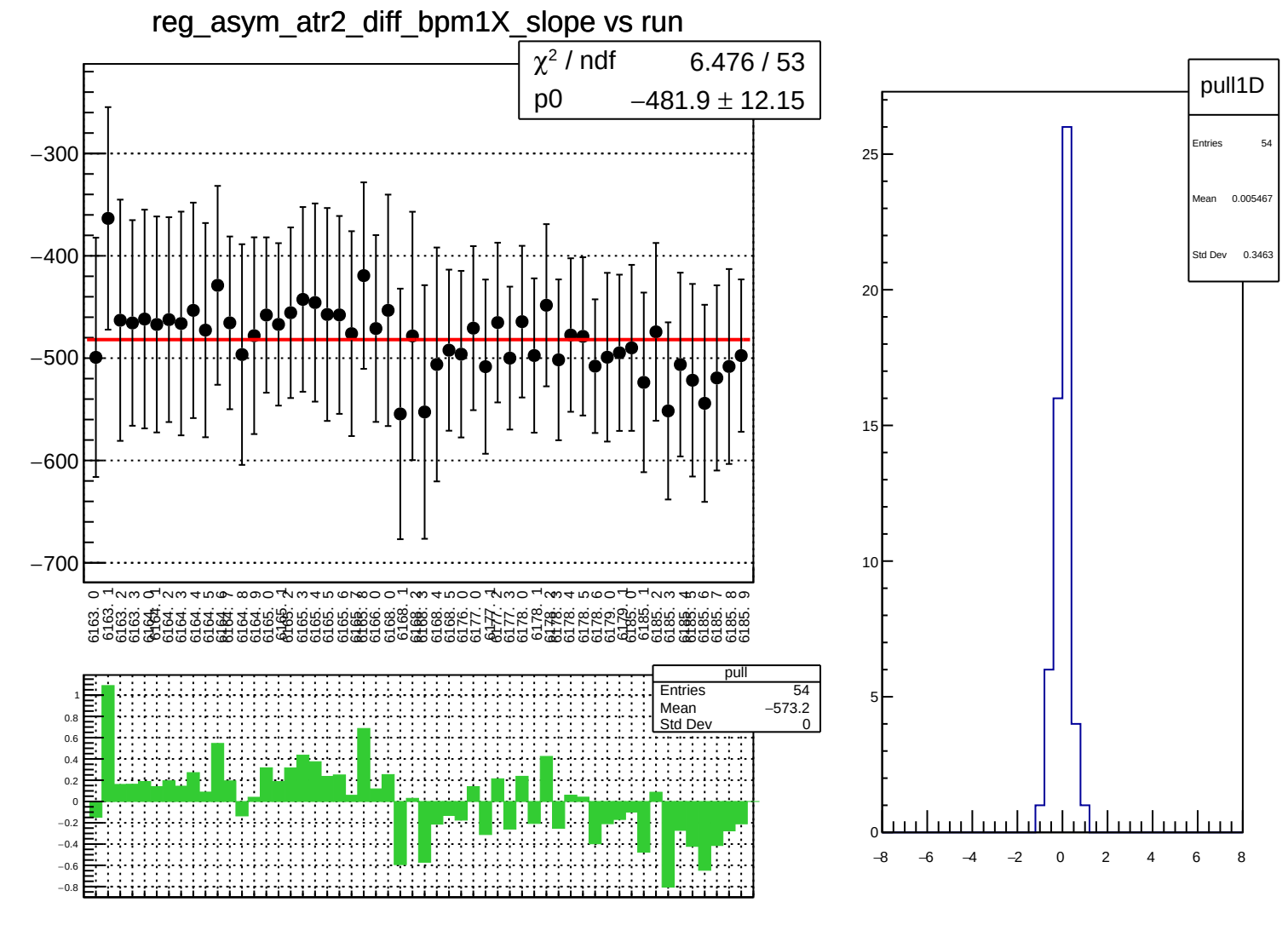

reg_asym_atr1_diff_bpm4eX_slope vs run
χ² / ndf 106 / 53
p0 40.25 ± 3.258
150
100
50
0
−50
pull
Entries 54
Mean 142.3
Std Dev 0
3
2
1
0
−1
−2

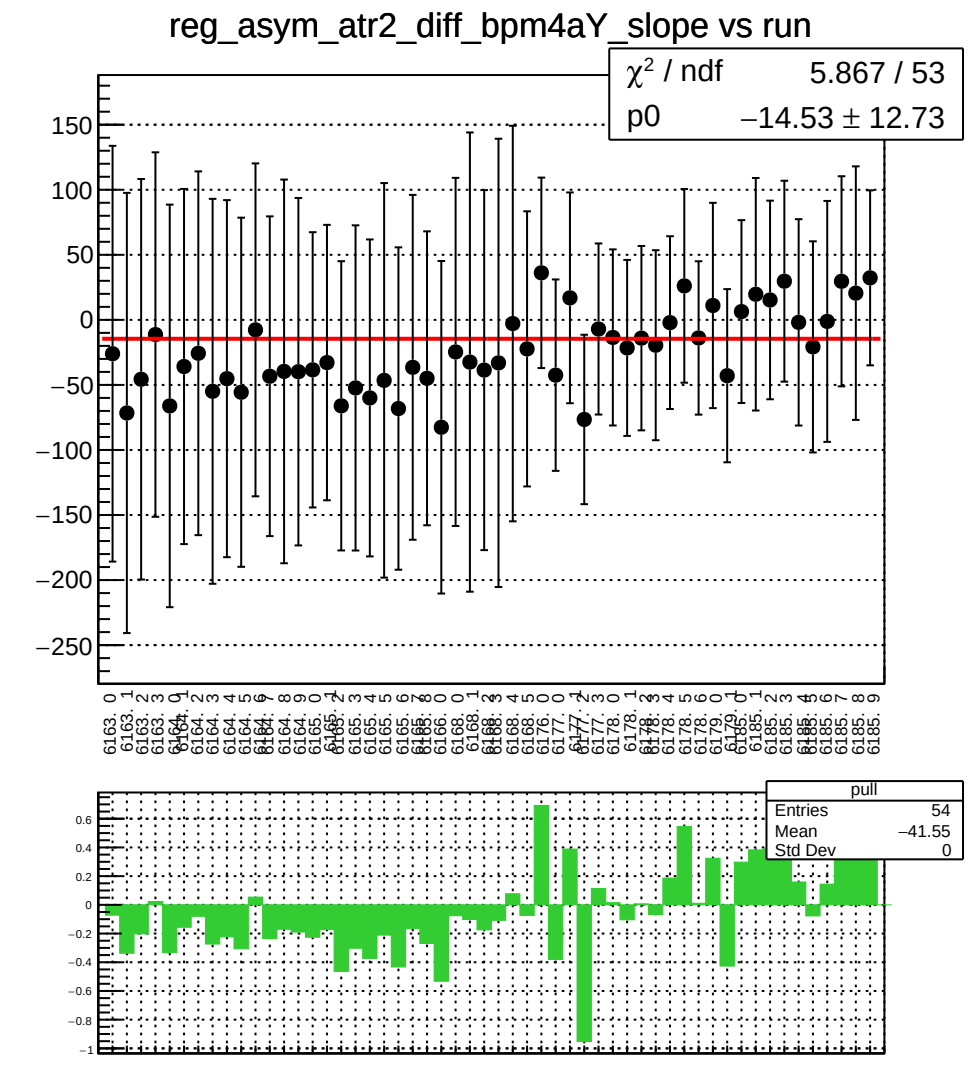

pull1D
Entries 54
Mean −0.05388
Std Dev 1.4
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

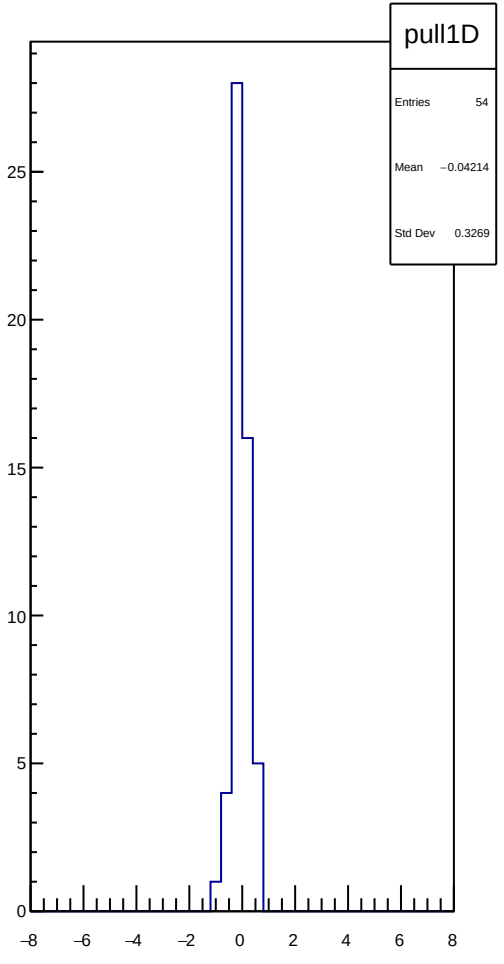

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 100.9 / 53
p0 −50.43 ± 3.528
pull
Entries 54
Mean −662.7
Std Dev 0

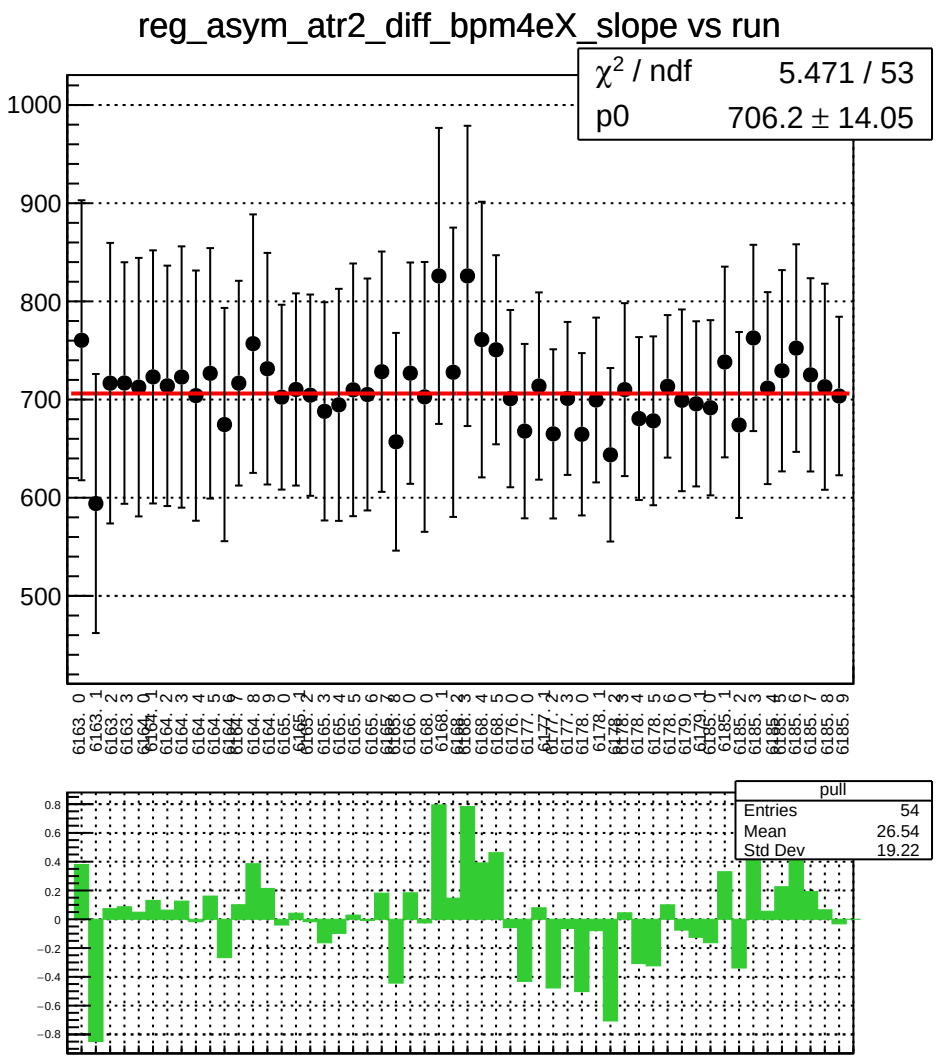

pull1D
Entries 54
Mean −0.01724
Std Dev 1.367

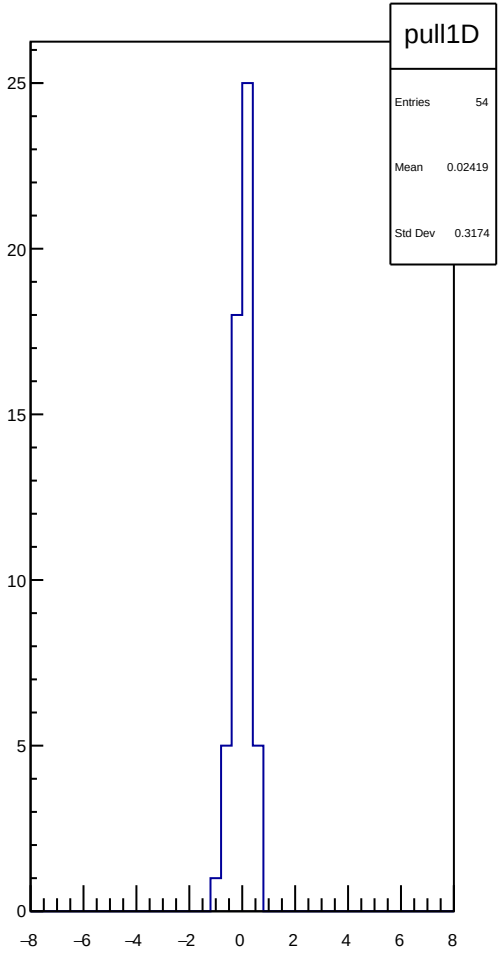

reg_asym_atr1_diff_bpm12X_slope vs run
χ² / ndf 406.7 / 53
p0 −30.71 ± 0.2691
pull
Entries 54
Mean 170.3
Std Dev 0
pull1D
Entries 54
Mean 0.194
Std Dev 2.738

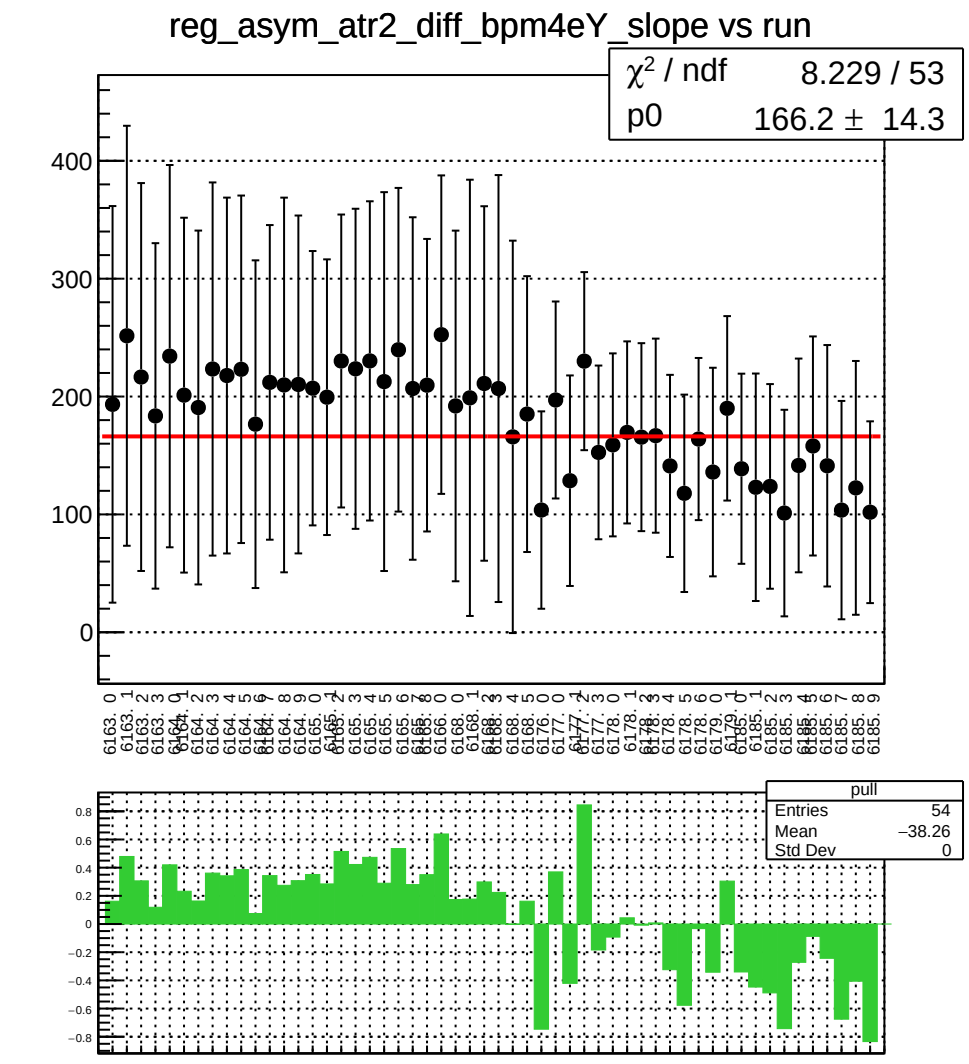

reg_asym_atr2_diff_bpm1X_slope vs run
χ² / ndf 6.476 / 53
p0 −481.9 ± 12.15
−300
−400
−500
−600
−700
pull
Entries 54
Mean −573.2
Std Dev 0
pull1D
Entries 54
Mean 0.005467
Std Dev 0.3463

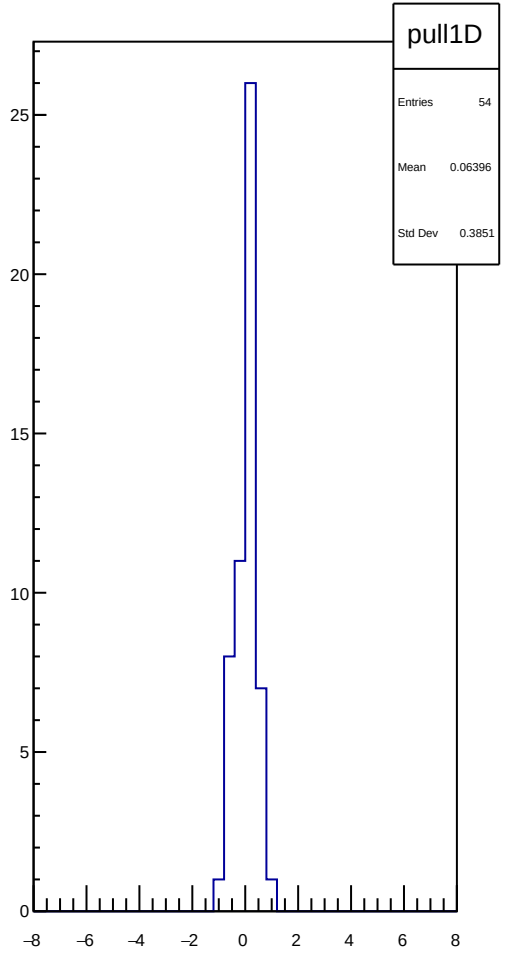

reg_asym_atr2_diff_bpm4aY_slope vs run
χ² / ndf 5.867 / 53
p0 −14.53 ± 12.73
pull
Entries 54
Mean −41.55
Std Dev 0

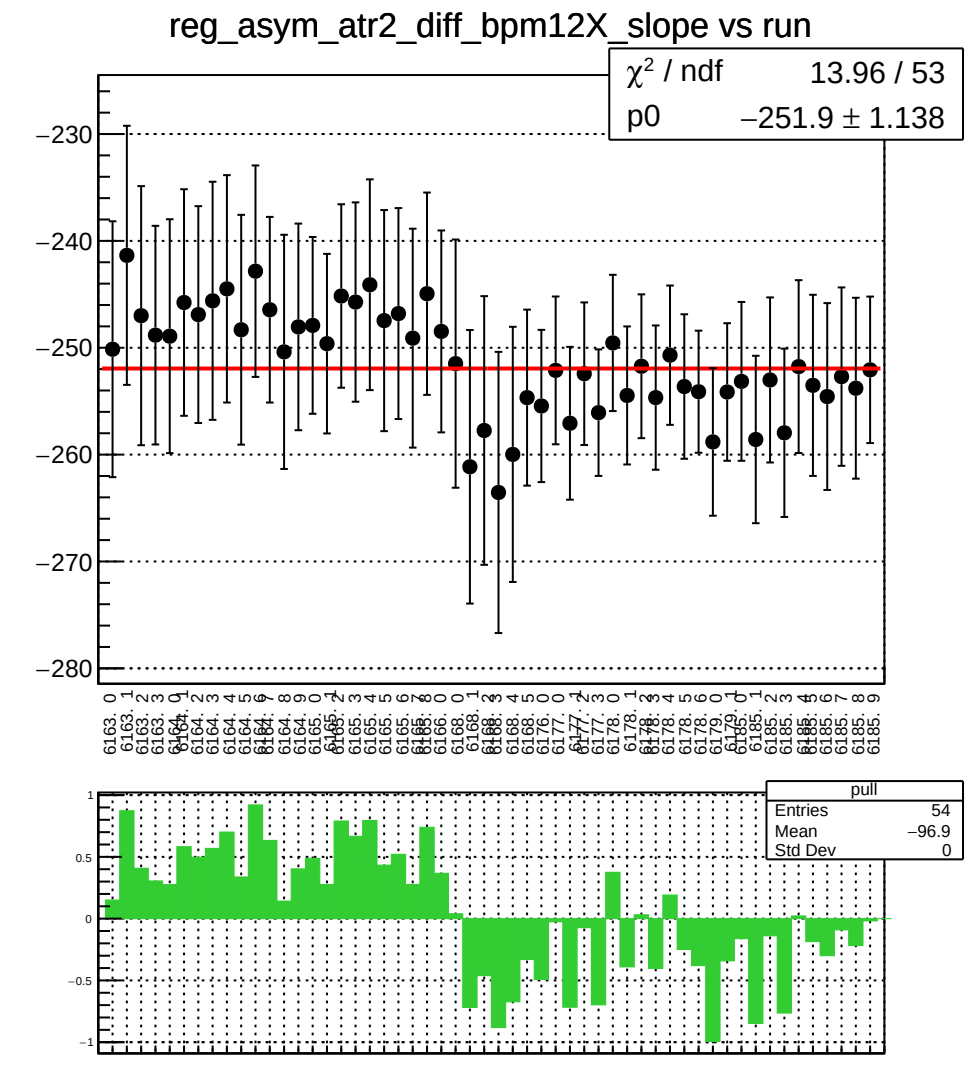

pull1D
Entries 54
Mean −0.04214
Std Dev 0.3269

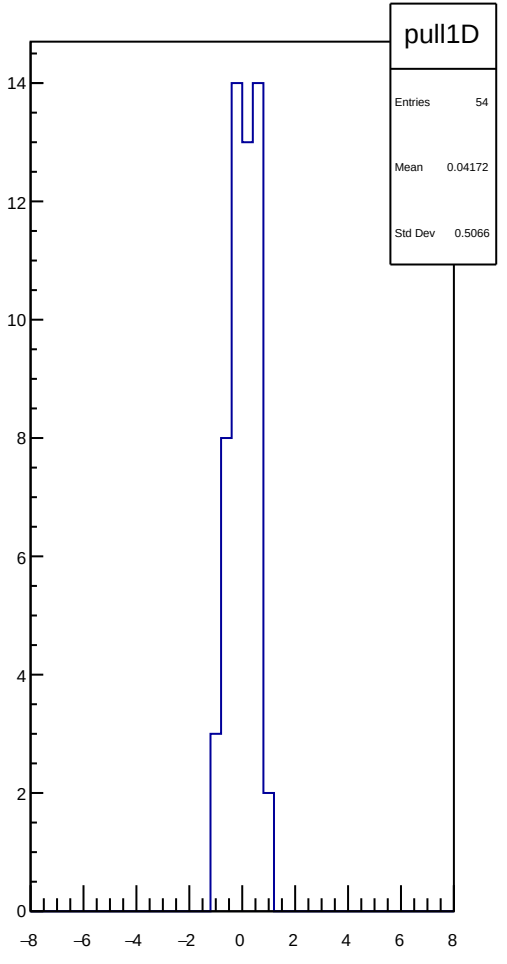

reg_asym_atr2_diff_bpm4eX_slope vs run
χ² / ndf 5.471 / 53
p0 706.2 ± 14.05
pull
Entries 54
Mean 26.54
Std Dev 19.22

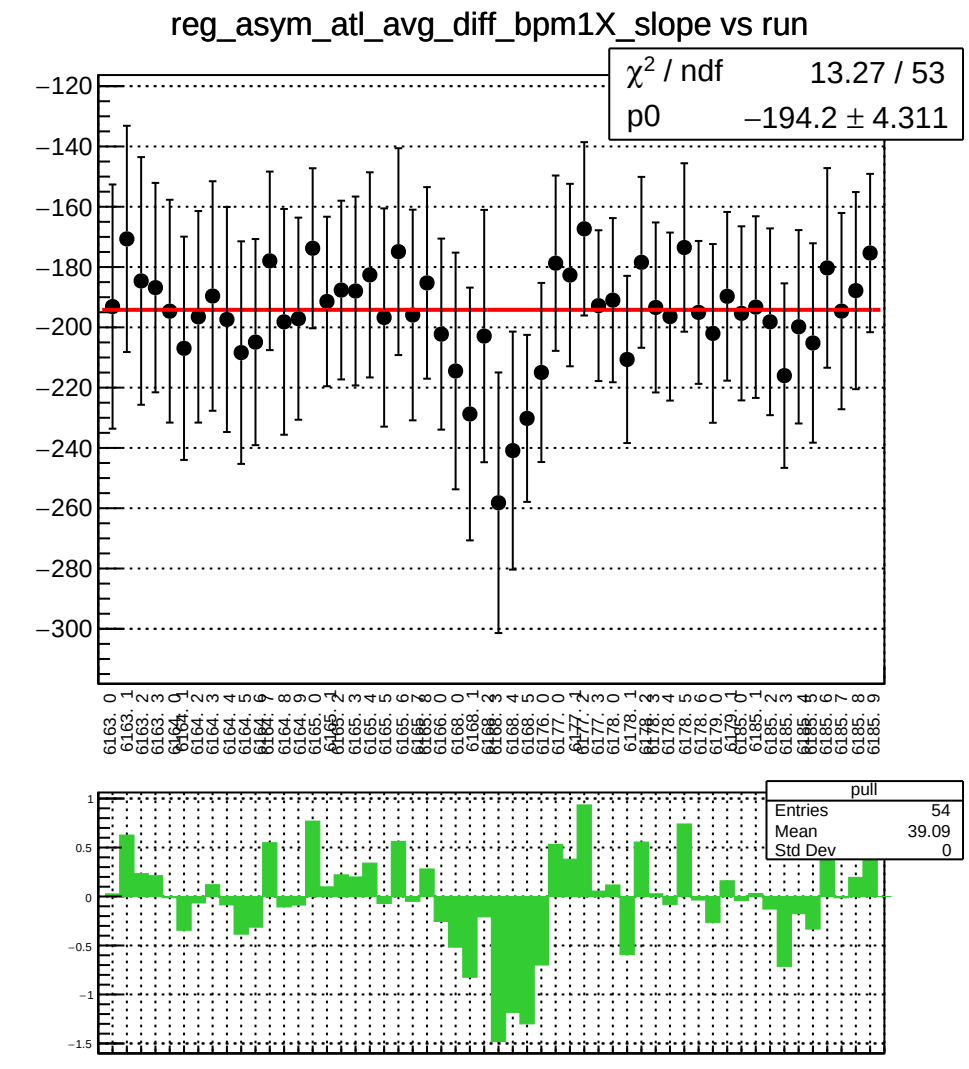

pull1D
Entries 54
Mean 0.02419
Std Dev 0.3174

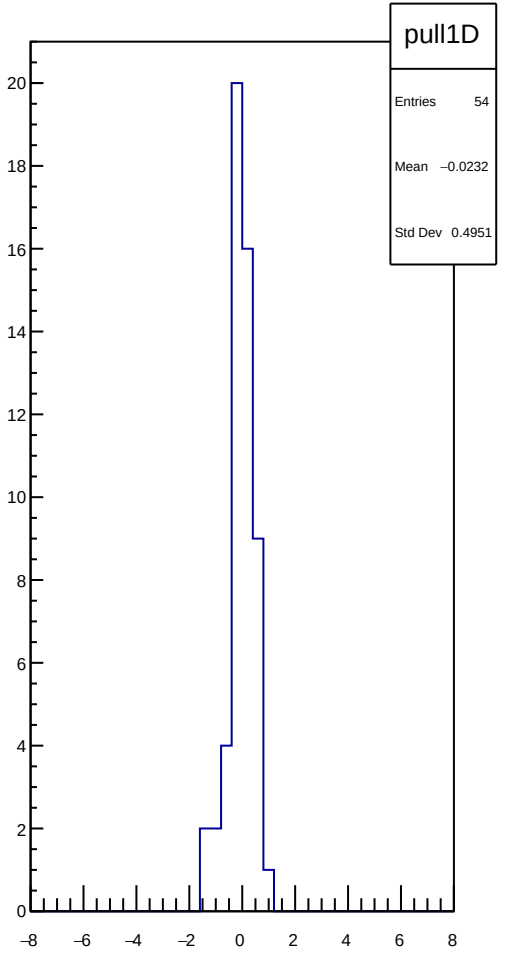

reg_asym_atr2_diff_bpm4eY_slope vs run
χ² / ndf 8.229 / 53
p0 166.2 ± 14.3
400
300
200
100
0
pull
Entries 54
Mean −38.26
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

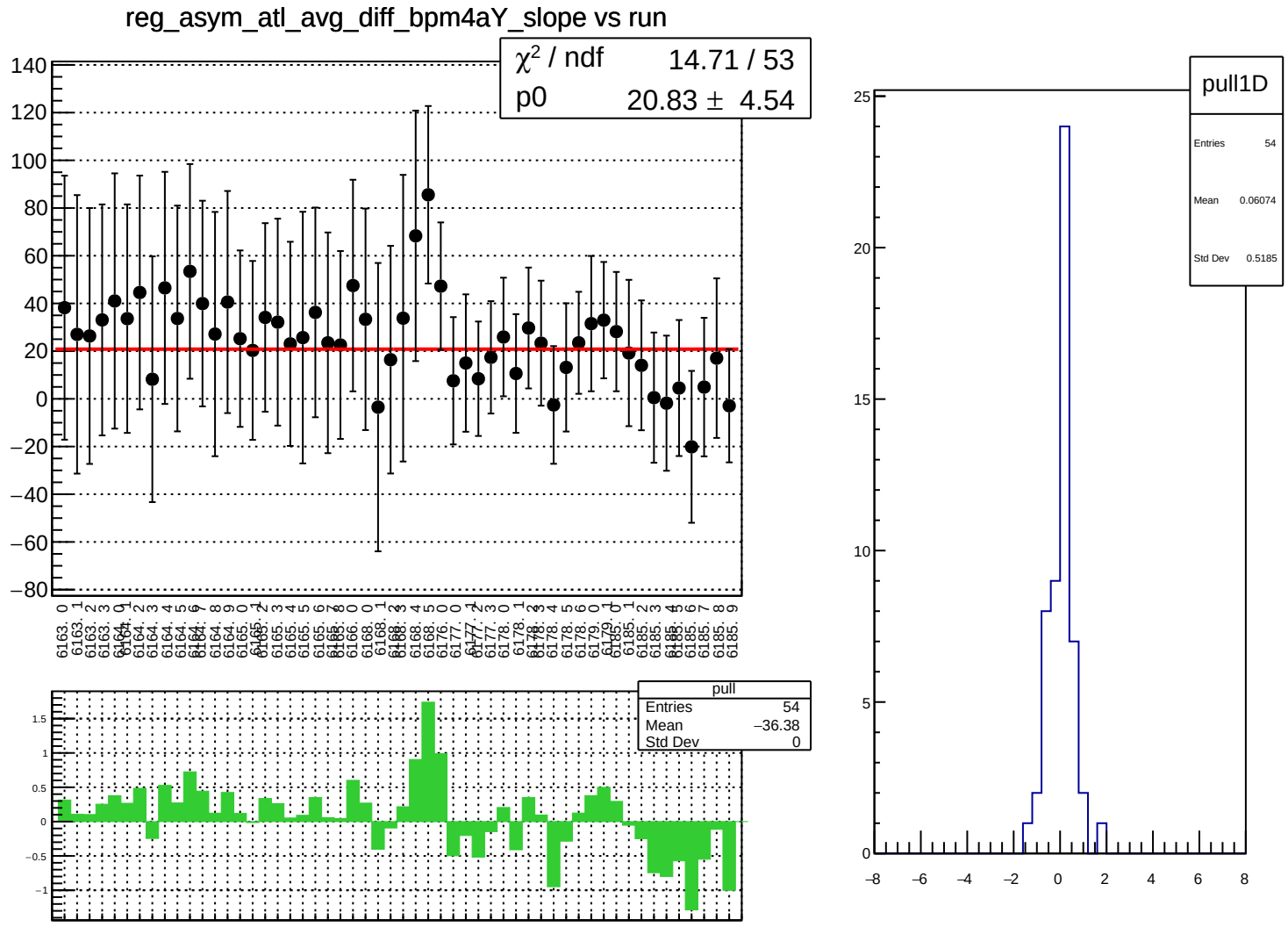

pull1D
Entries 54
Mean 0.06396
Std Dev 0.3851
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

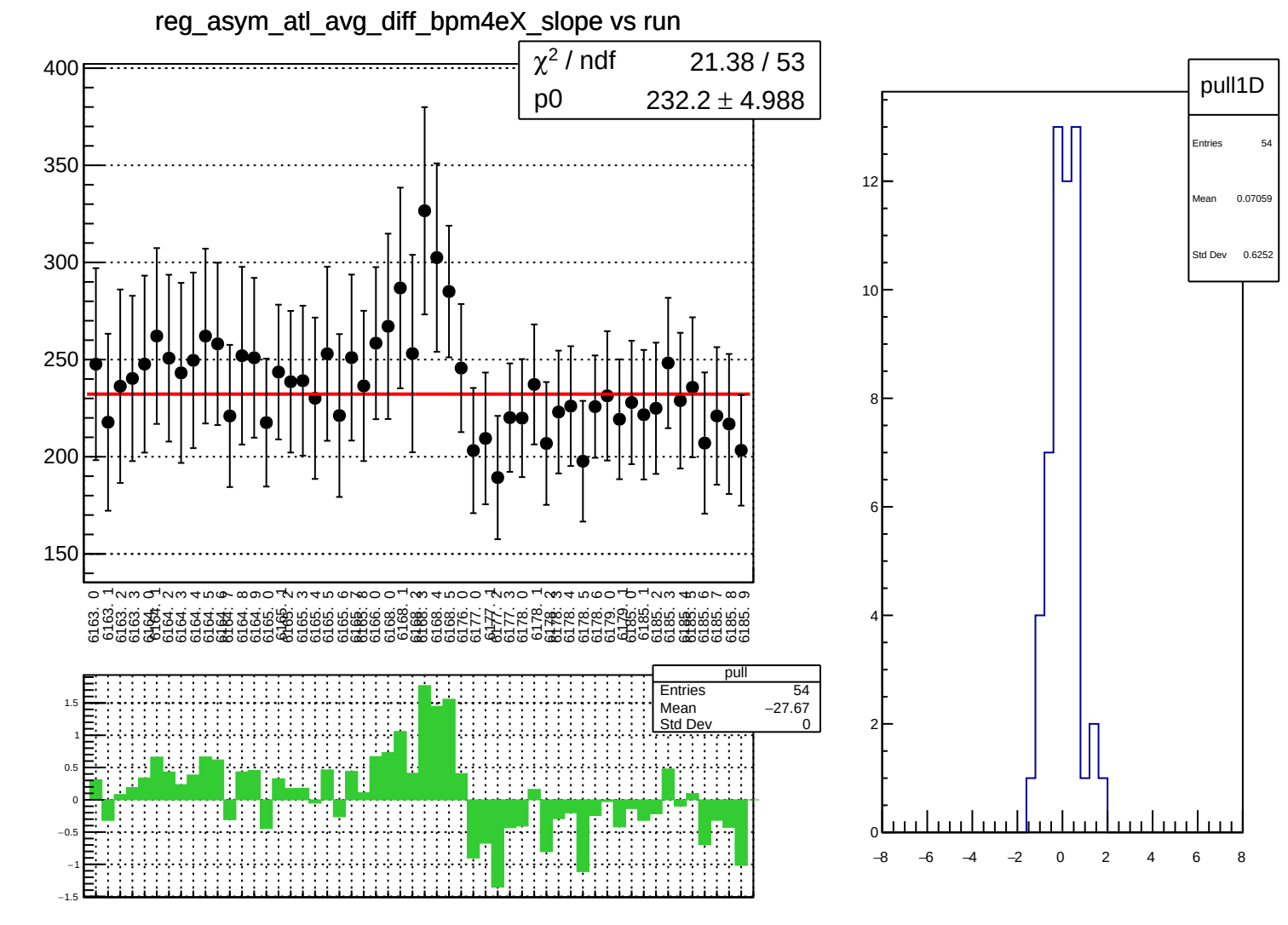

reg_asym_atr2_diff_bpm12X_slope vs run
χ² / ndf 13.96 / 53
p0 −251.9 ± 1.138
pull
Entries 54
Mean −96.9
Std Dev 0

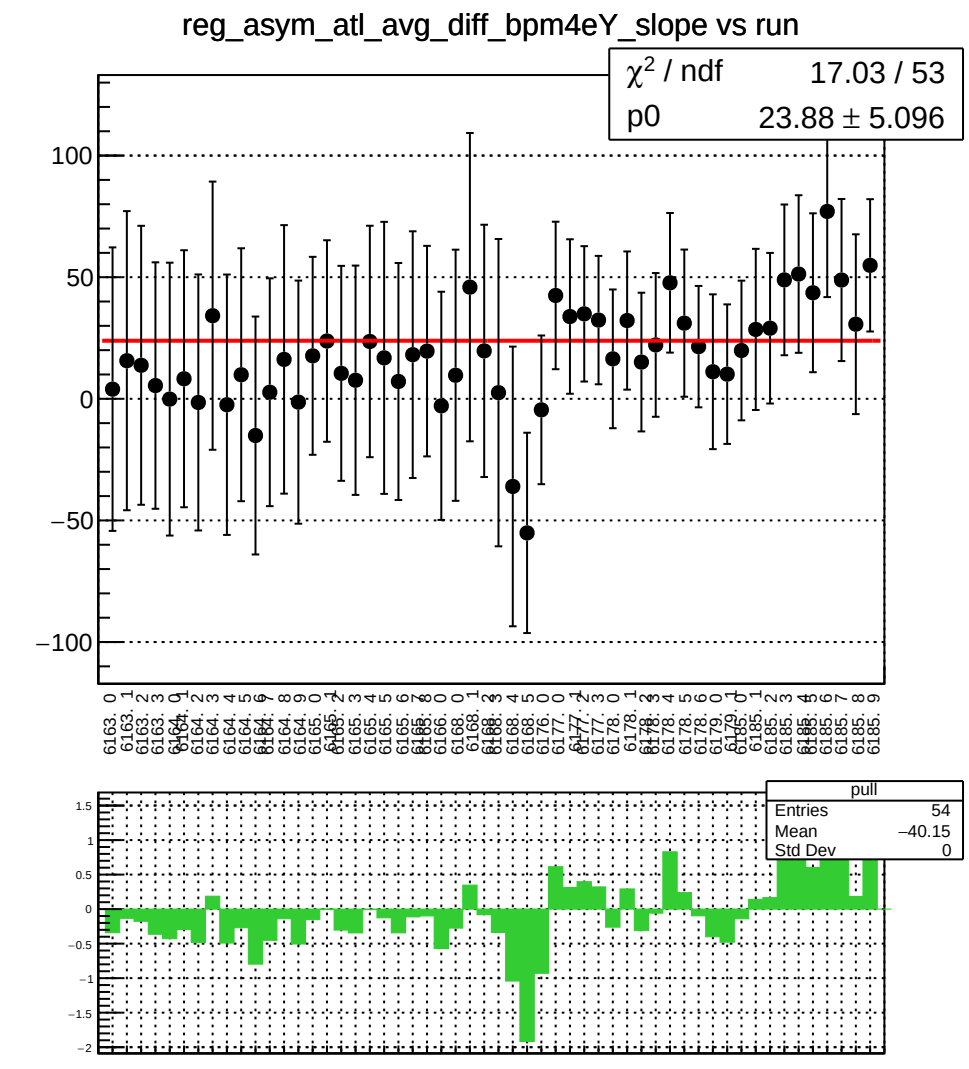

pull1D
Entries 54
Mean 0.04172
Std Dev 0.5066

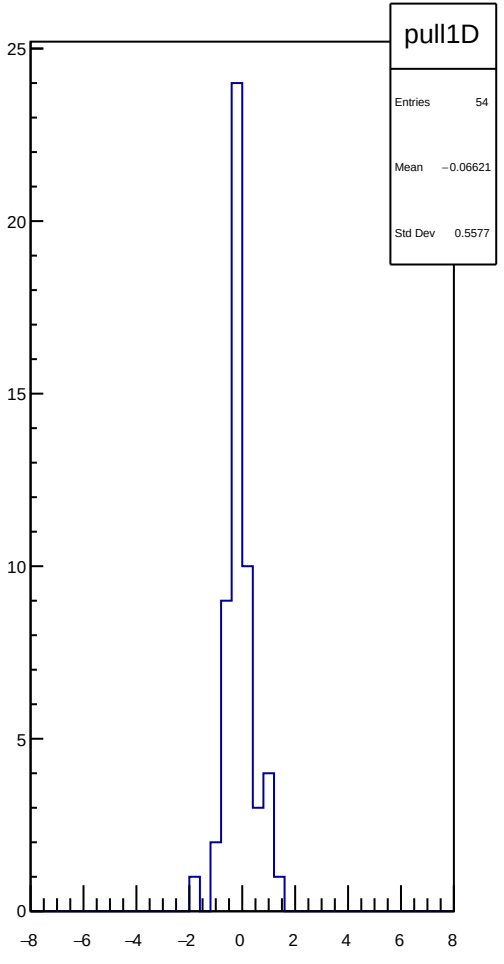

reg_asym_atl_avg_diff_bpm1X_slope vs run
χ² / ndf 13.27 / 53
p0 −194.2 ± 4.311
pull
Entries 54
Mean 39.09
Std Dev 0

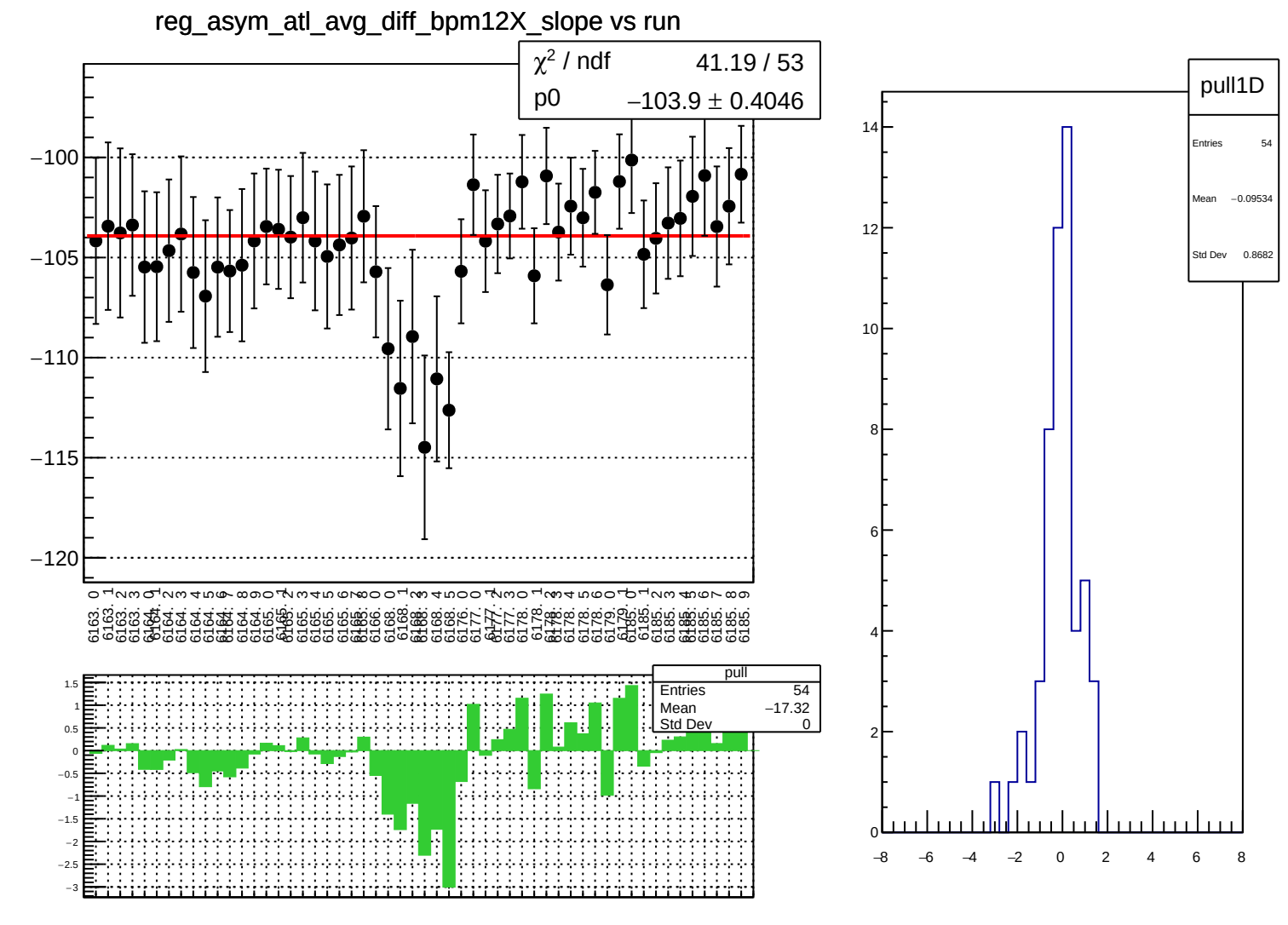

pull1D
Entries 54
Mean −0.0232
Std Dev 0.4951

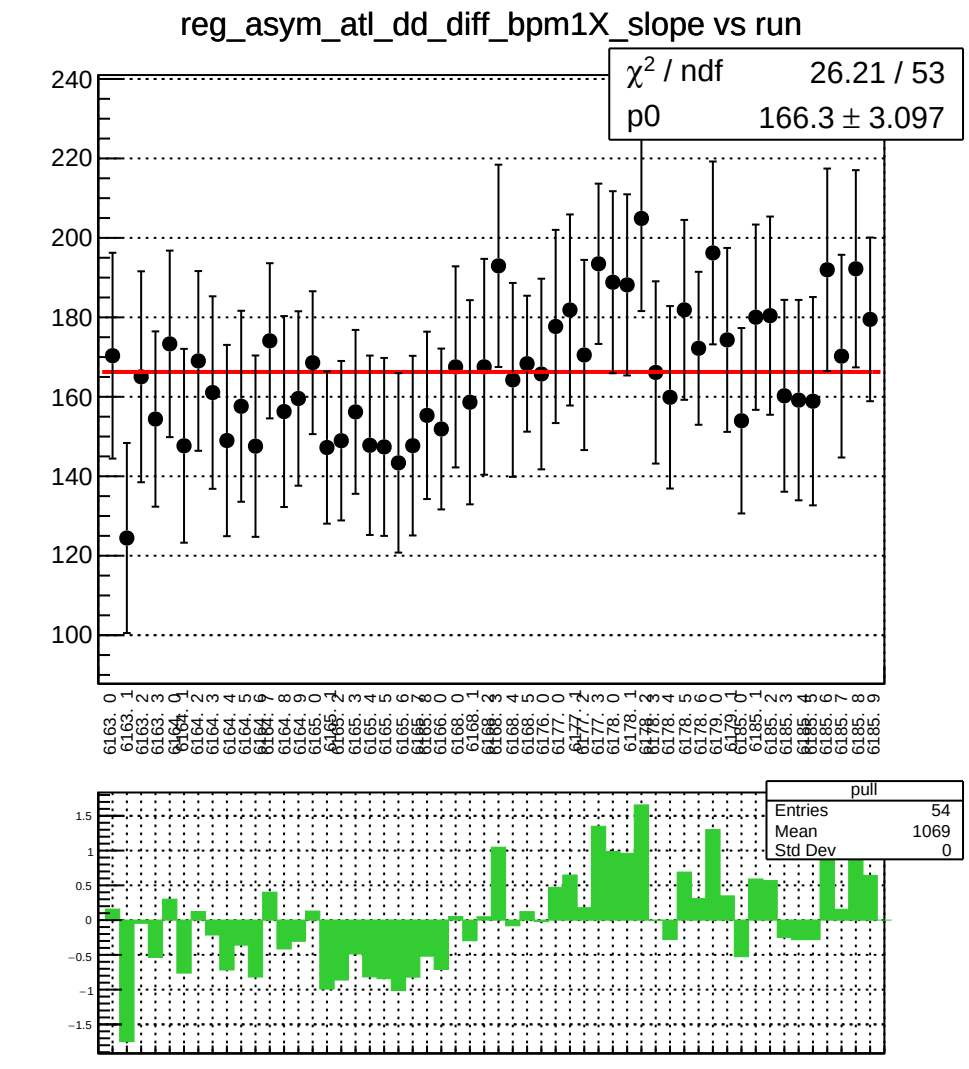

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ² / ndf 14.71 / 53
p0 20.83 ± 4.54
pull
Entries 54
Mean −36.38
Std Dev 0
pull1D
Entries 54
Mean 0.06074
Std Dev 0.5185

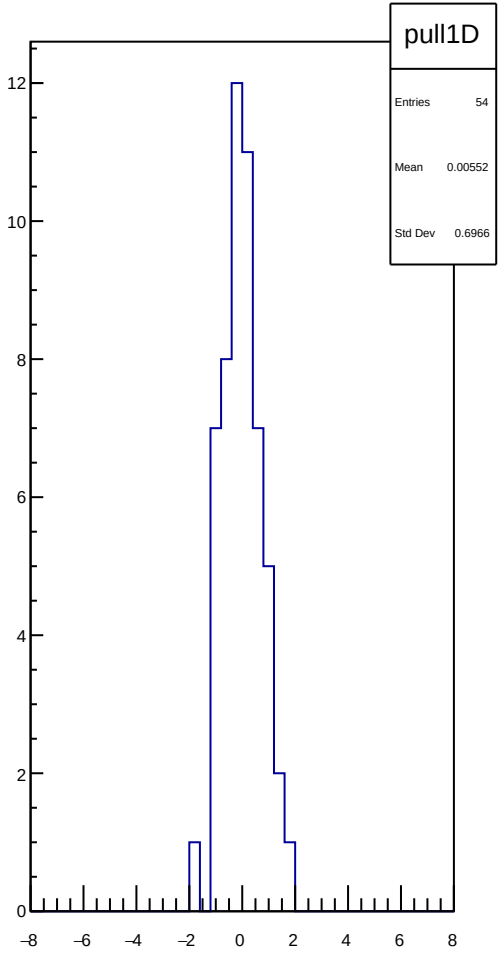

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ² / ndf 21.38 / 53
p0 232.2 ± 4.988
pull
Entries 54
Mean −27.67
Std Dev 0
pull1D
Entries 54
Mean 0.07059
Std Dev 0.6252

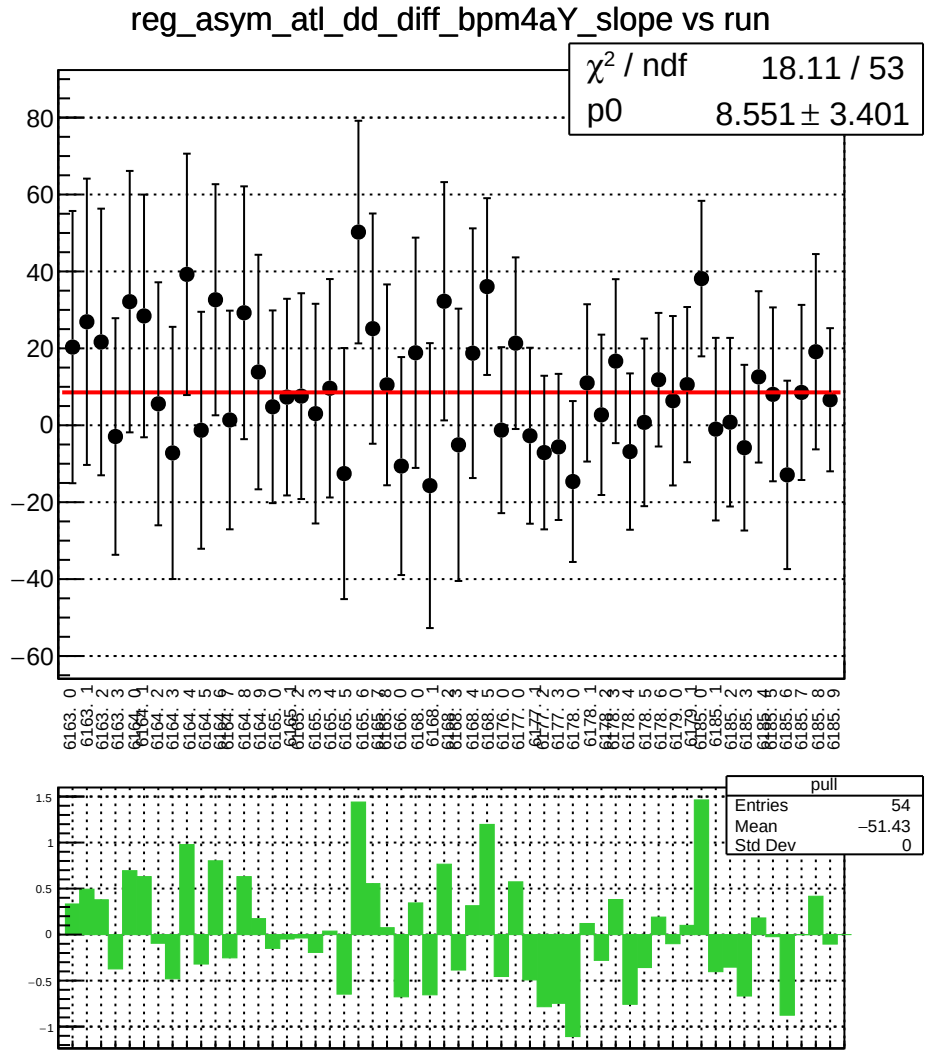

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ² / ndf 17.03 / 53
p0 23.88 ± 5.096
pull
Entries 54
Mean −40.15
Std Dev 0

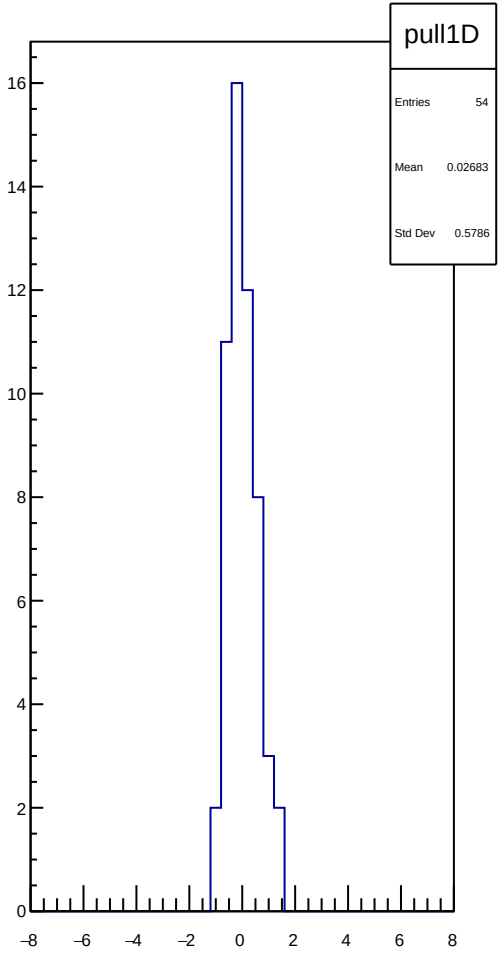

pull1D
Entries 54
Mean −0.06621
Std Dev 0.5577

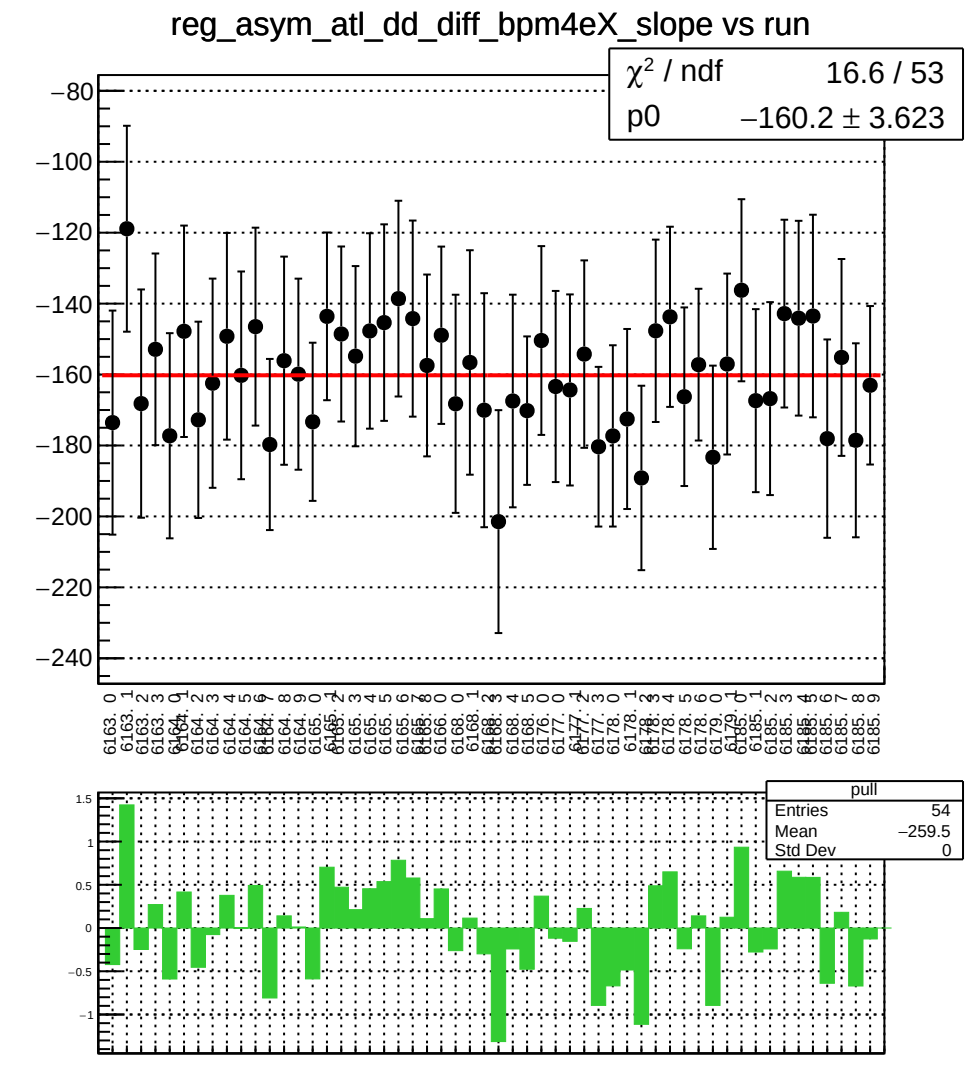

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ² / ndf 41.19 / 53
p0 −103.9 ± 0.4046
pull
Entries 54
Mean −17.32
Std Dev 0
pull1D
Entries 54
Mean −0.09534
Std Dev 0.8682

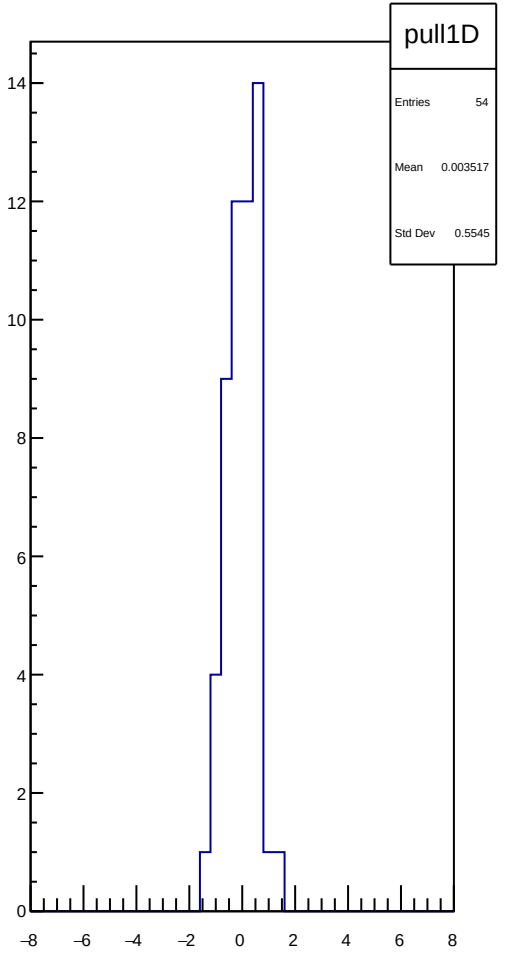

reg_asym_atl_dd_diff_bpm1X_slope vs run
χ² / ndf 26.21 / 53
p0 166.3 ± 3.097
pull
Entries 54
Mean 1069
Std Dev 0

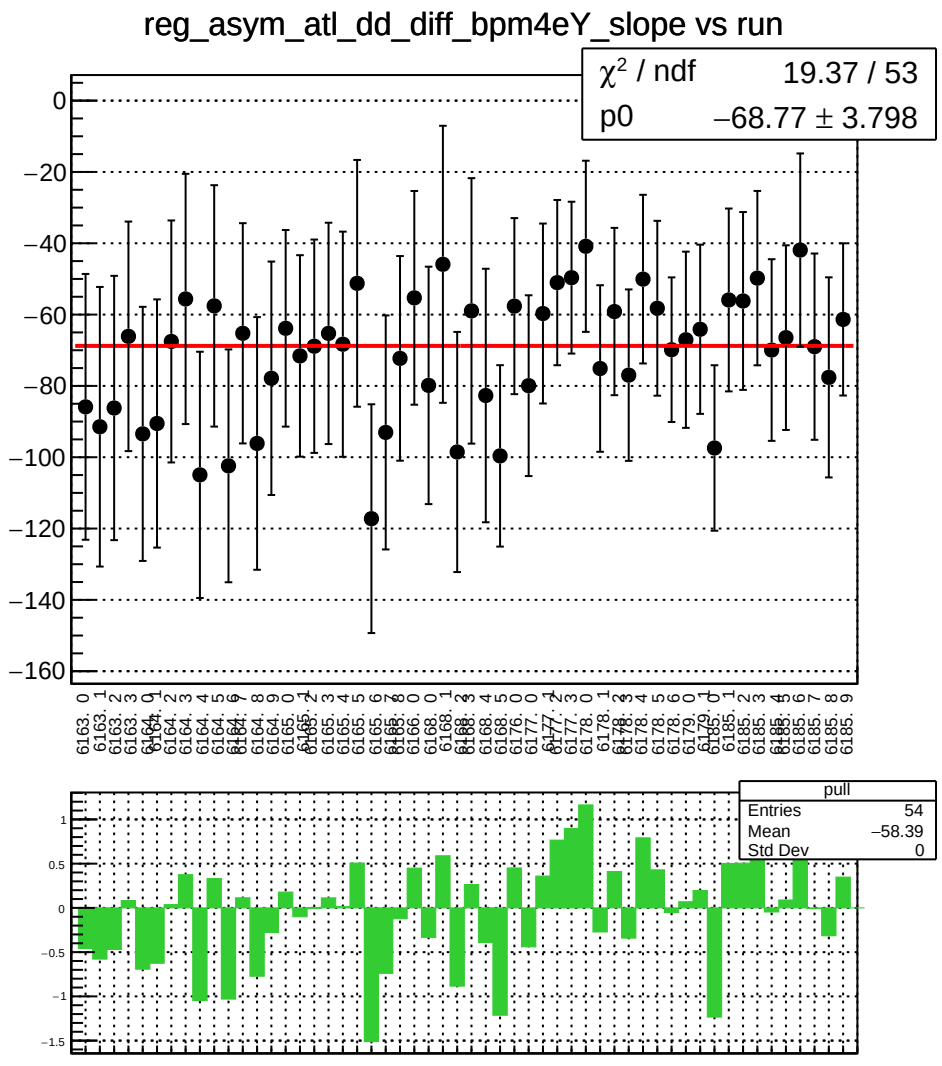

pull1D
Entries 54
Mean 0.00552
Std Dev 0.6966

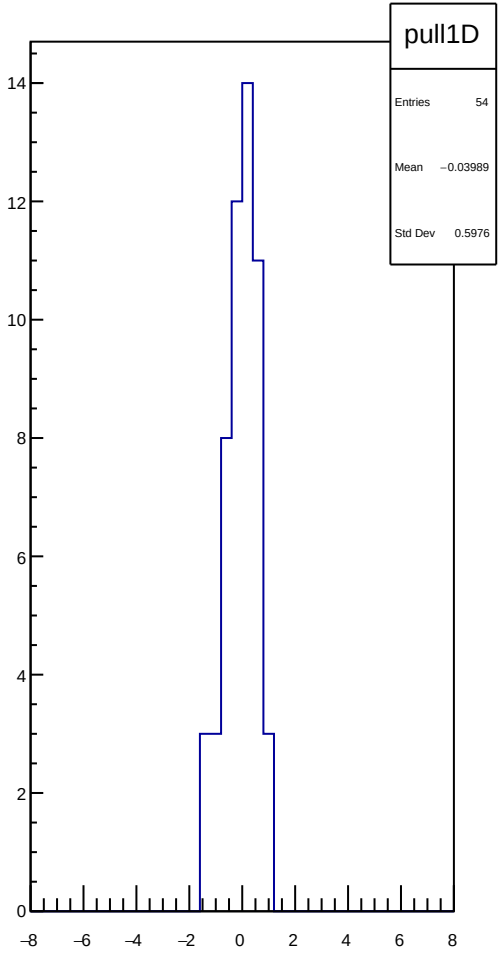

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ² / ndf 18.11 / 53
p0 8.551 ± 3.401
pull
Entries 54
Mean −51.43
Std Dev 0

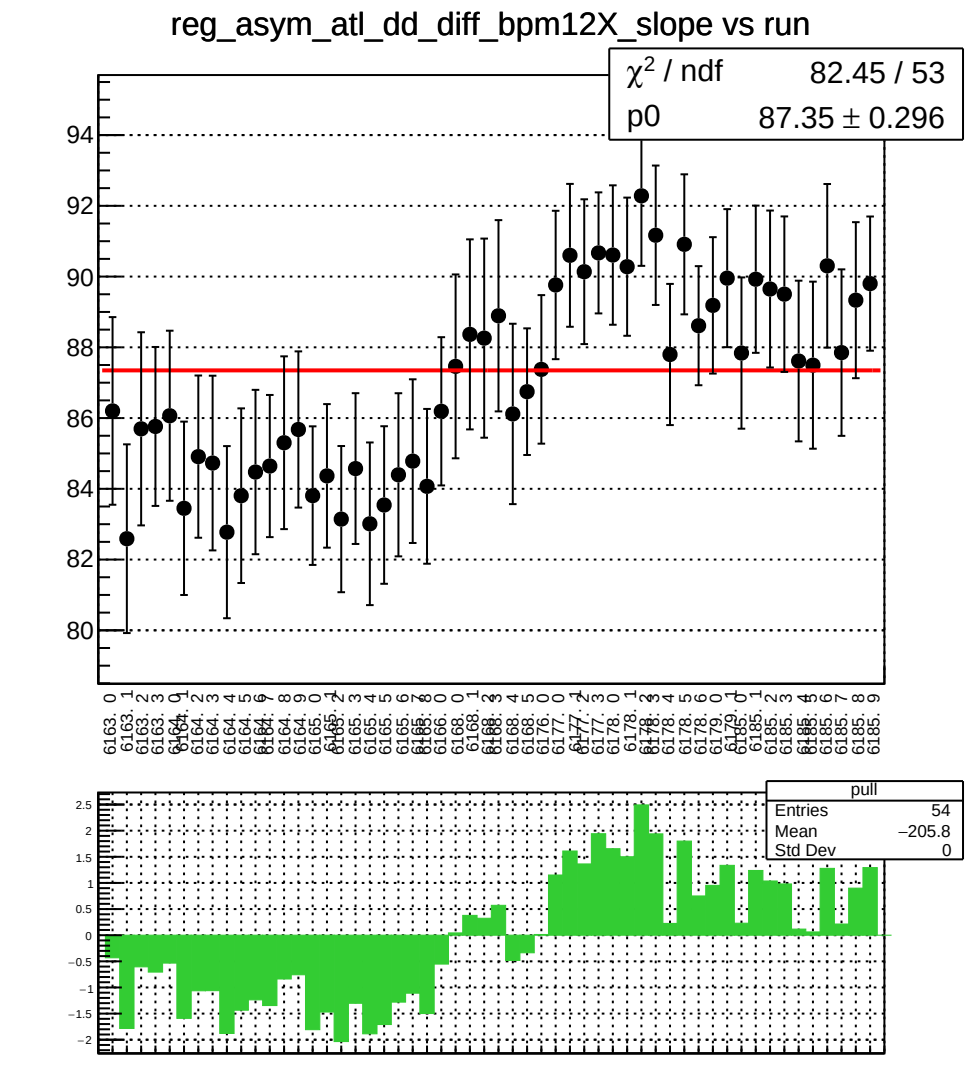

pull1D
Entries 54
Mean 0.02683
Std Dev 0.5786

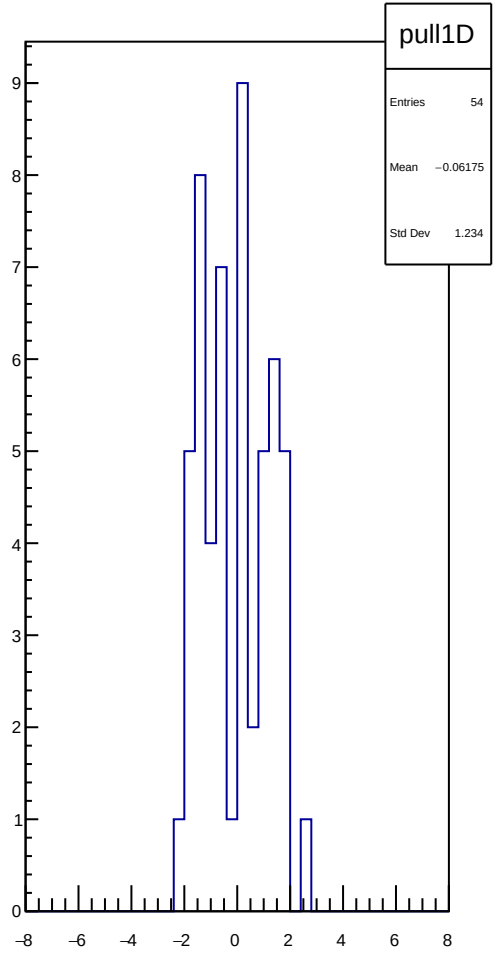

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ² / ndf 16.6 / 53
p0 −160.2 ± 3.623
pull
Entries 54
Mean −259.5
Std Dev 0

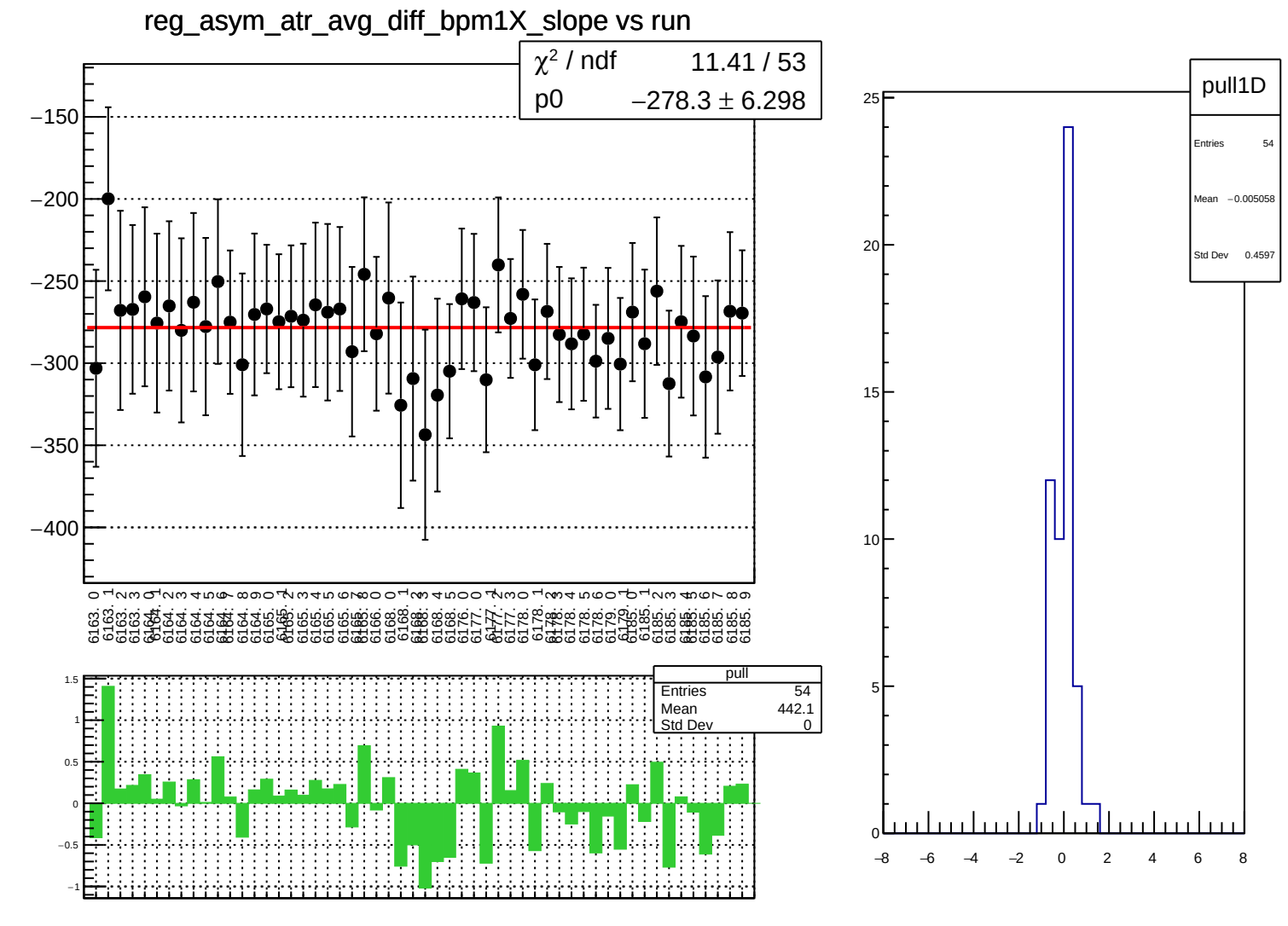

pull1D
Entries 54
Mean 0.003517
Std Dev 0.5545

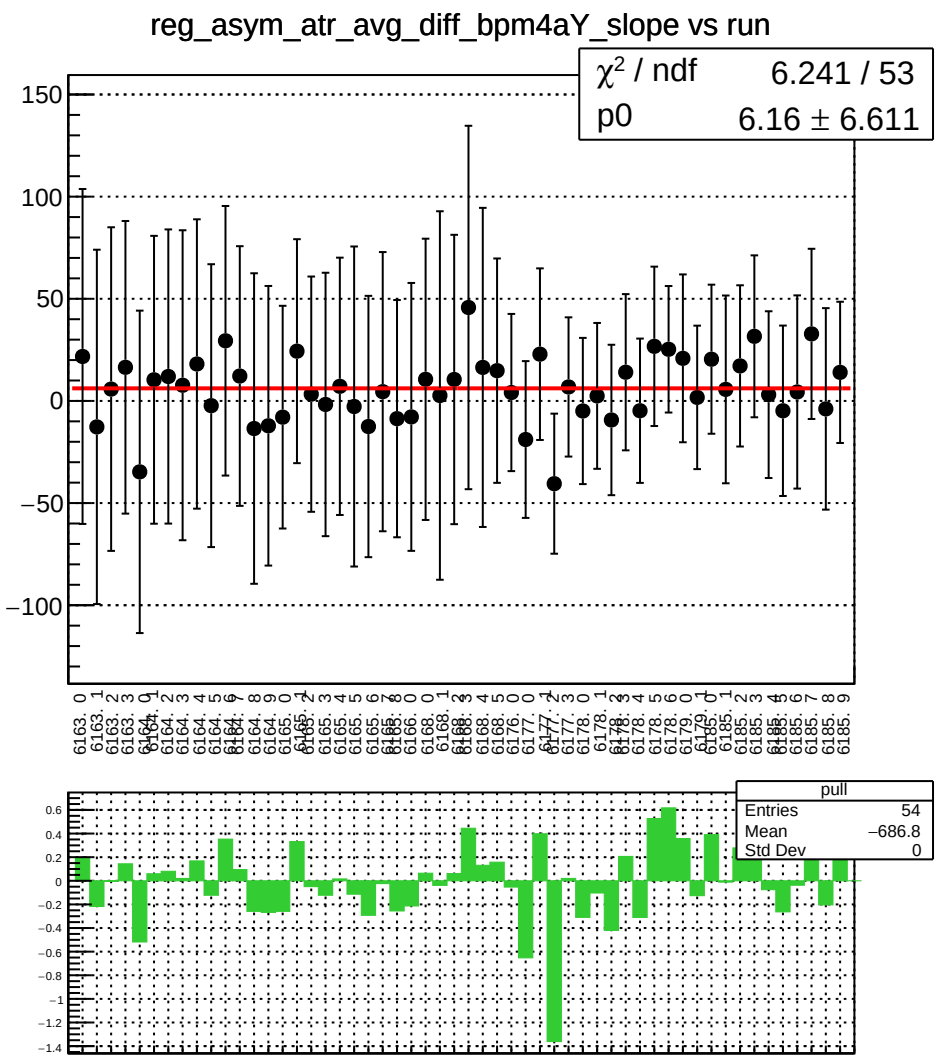

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ² / ndf 19.37 / 53
p0 −68.77 ± 3.798
pull
Entries 54
Mean −58.39
Std Dev 0

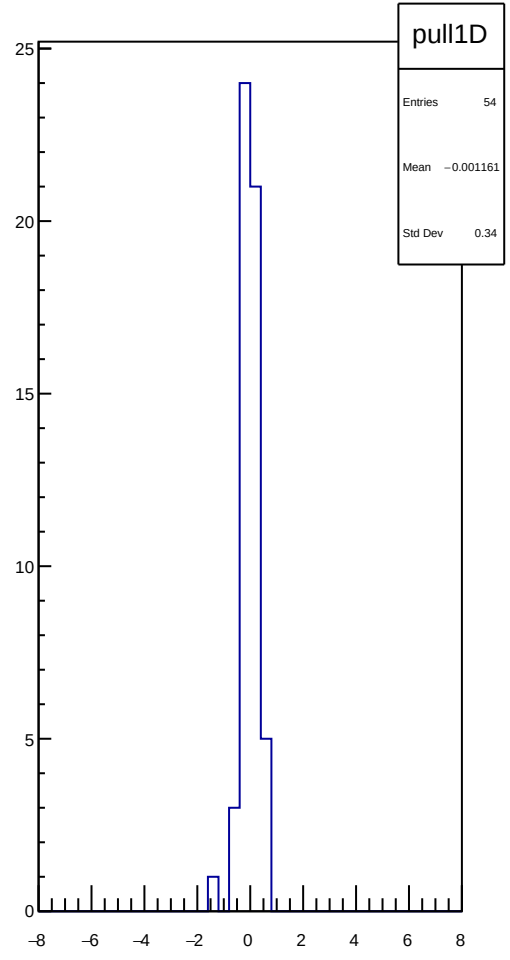

pull1D
Entries 54
Mean −0.03989
Std Dev 0.5976

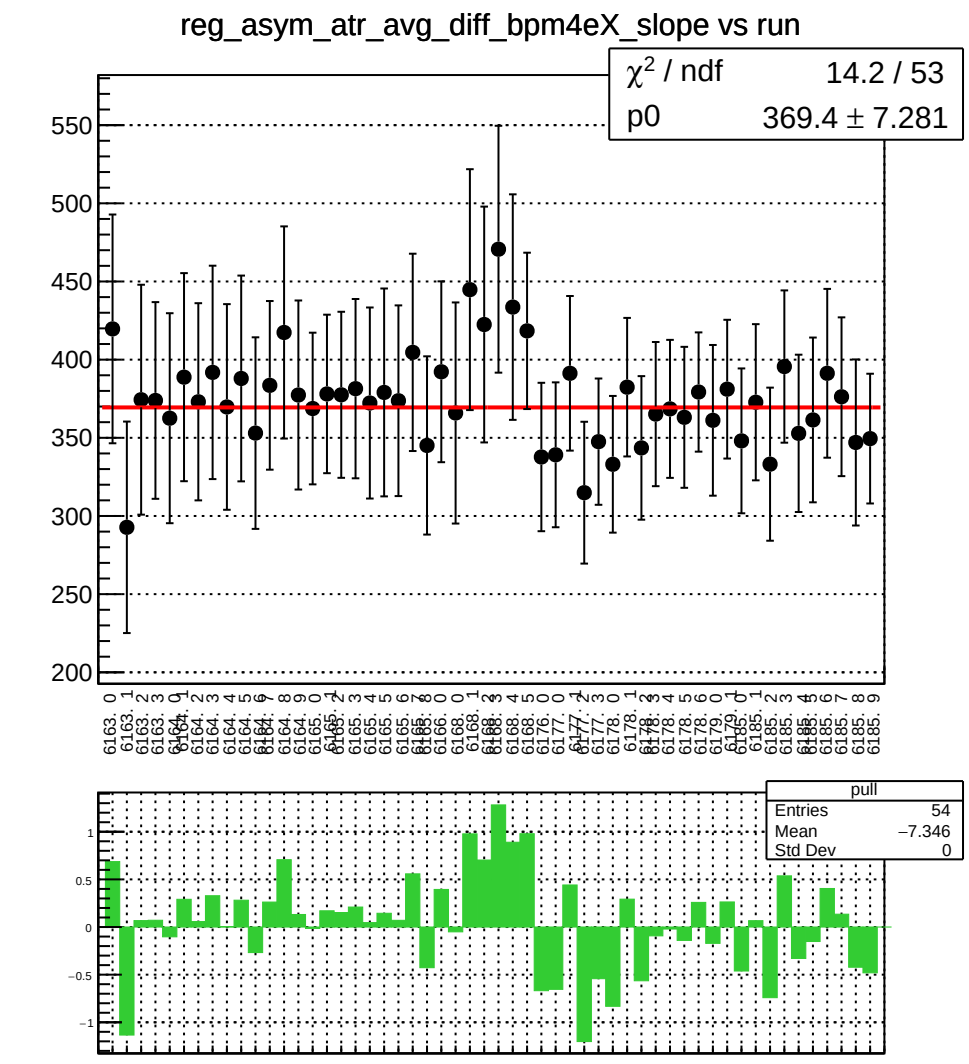

reg_asym_atl_dd_diff_bpm12X_slope vs run
χ² / ndf 82.45 / 53
p0 87.35 ± 0.296
pull
Entries 54
Mean −205.8
Std Dev 0

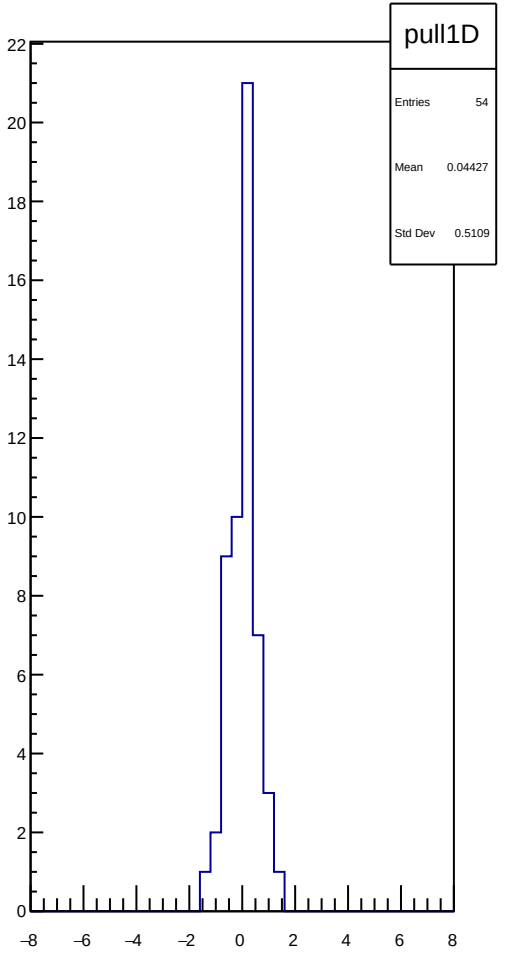

pull1D
Entries 54
Mean −0.06175
Std Dev 1.234

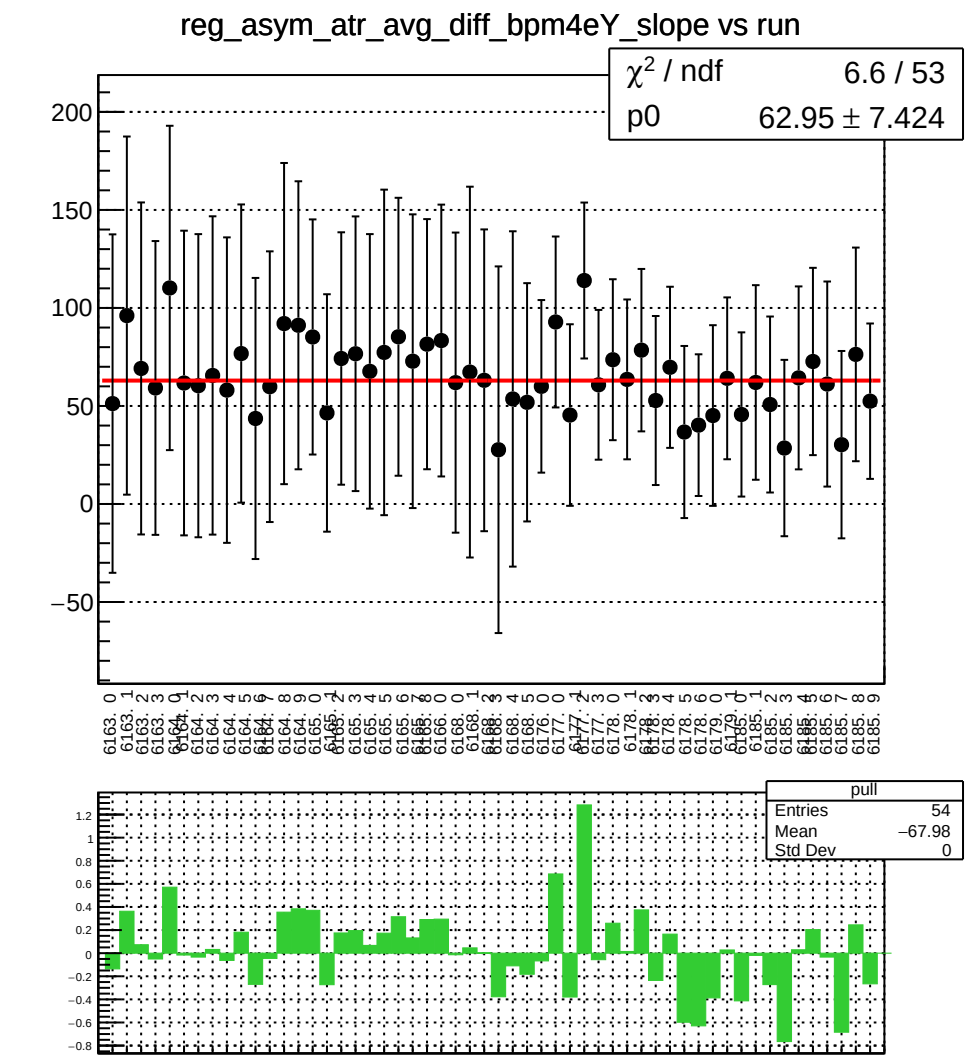

reg_asym_atr_avg_diff_bpm1X_slope vs run
χ² / ndf 11.41 / 53
p0 −278.3 ± 6.298
pull
Entries 54
Mean 442.1
Std Dev 0
pull1D
Entries 54
Mean −0.005058
Std Dev 0.4597

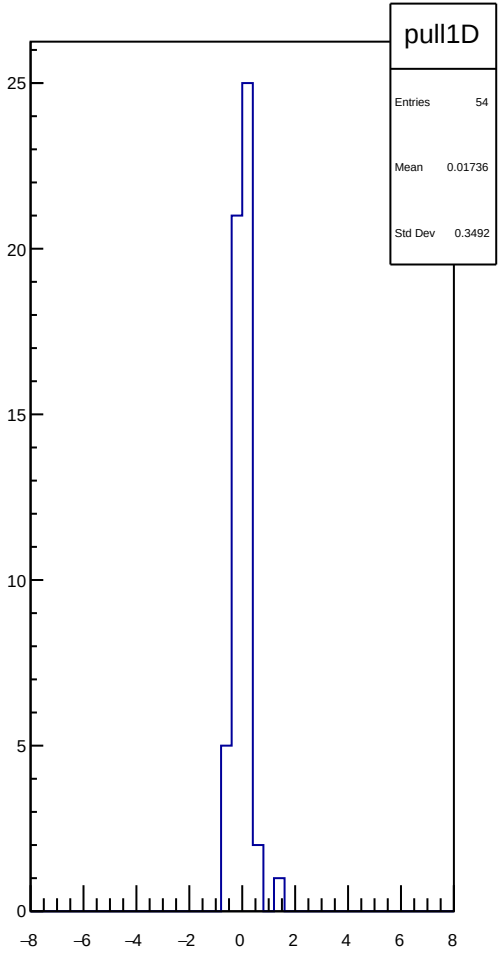

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ² / ndf 6.241 / 53
p0 6.16 ± 6.611
pull
Entries 54
Mean −686.8
Std Dev 0

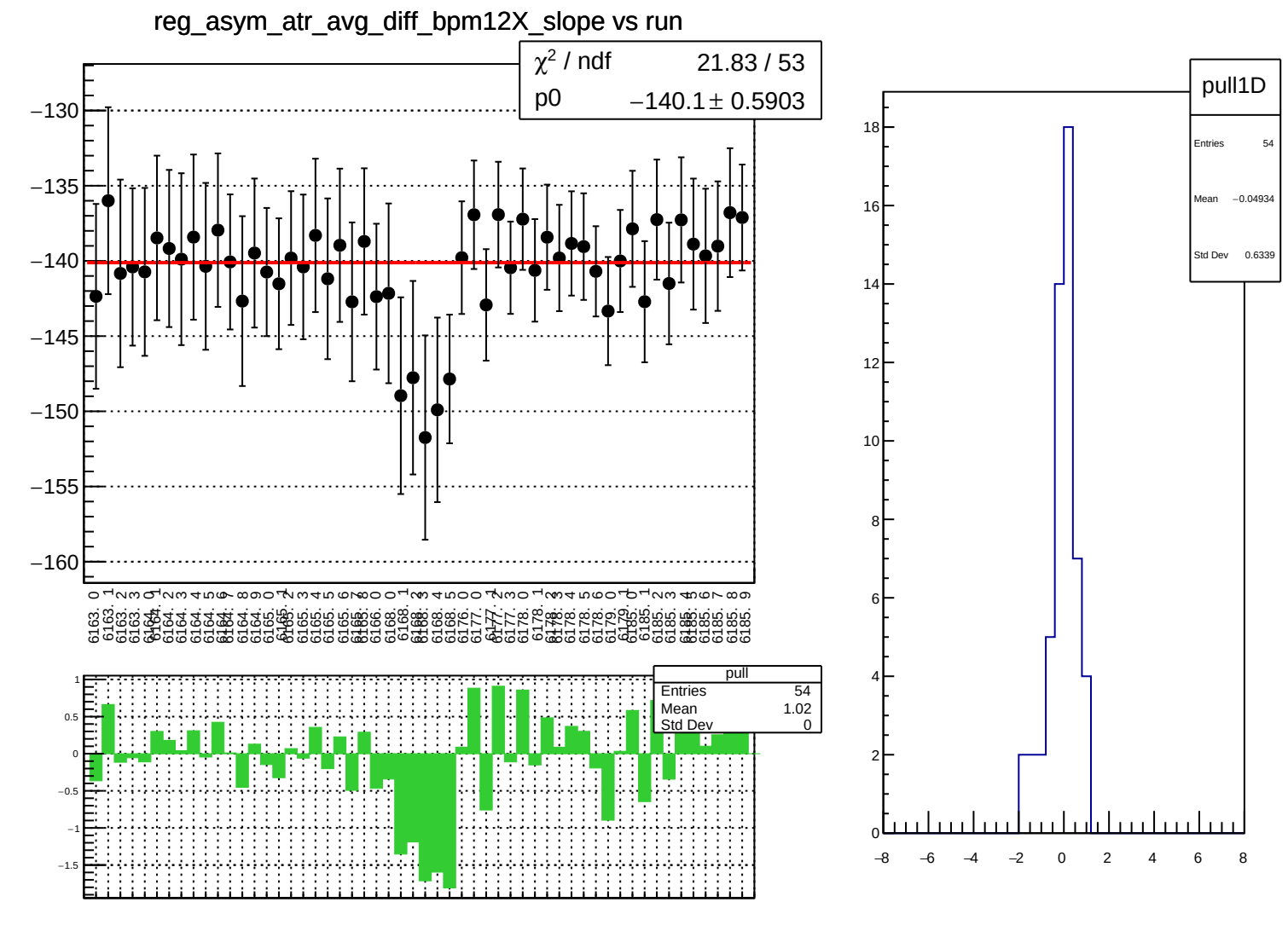

pull1D
Entries 54
Mean −0.001161
Std Dev 0.34

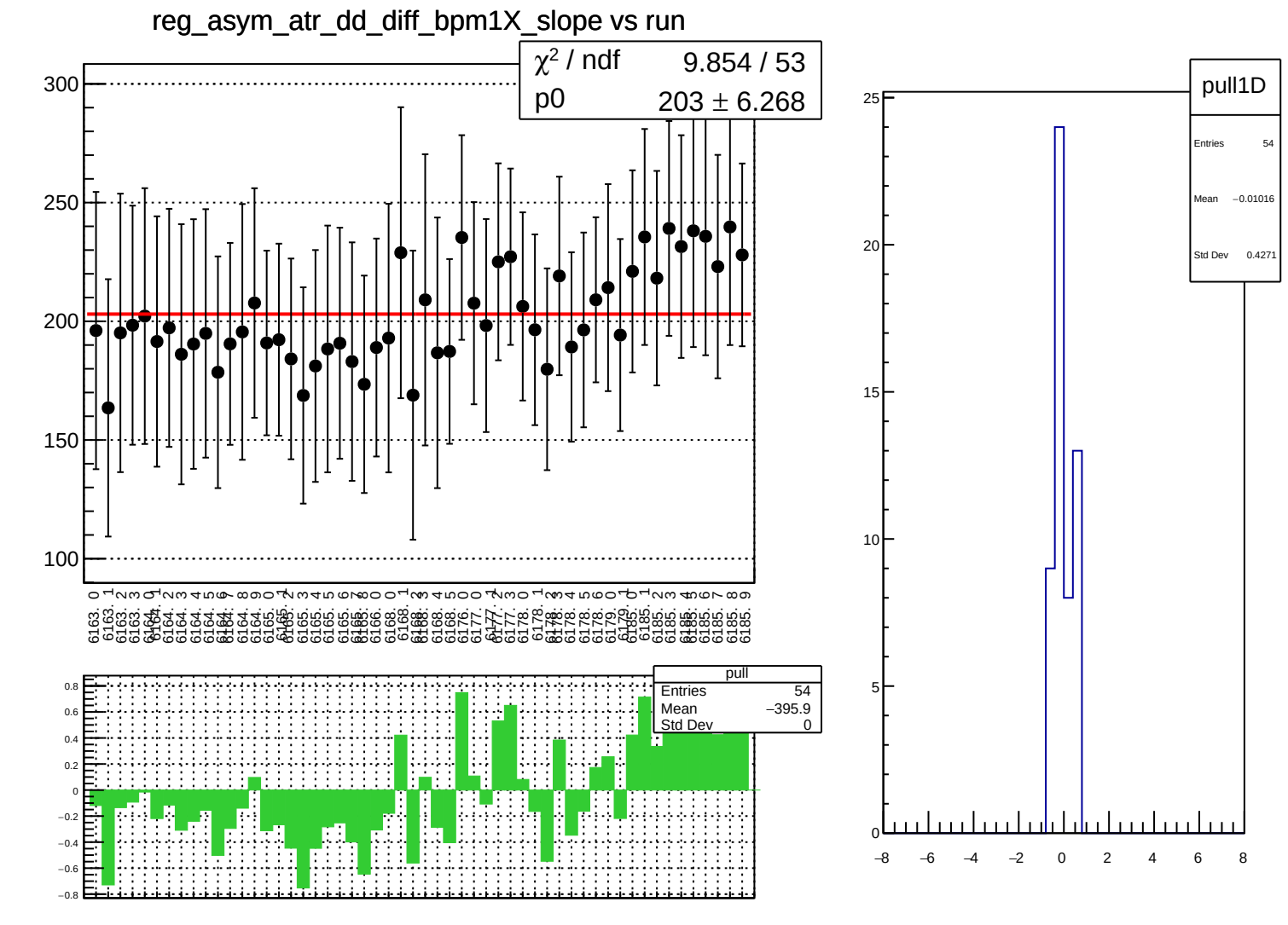

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ² / ndf 14.2 / 53
p0 369.4 ± 7.281
pull
Entries 54
Mean −7.346
Std Dev 0

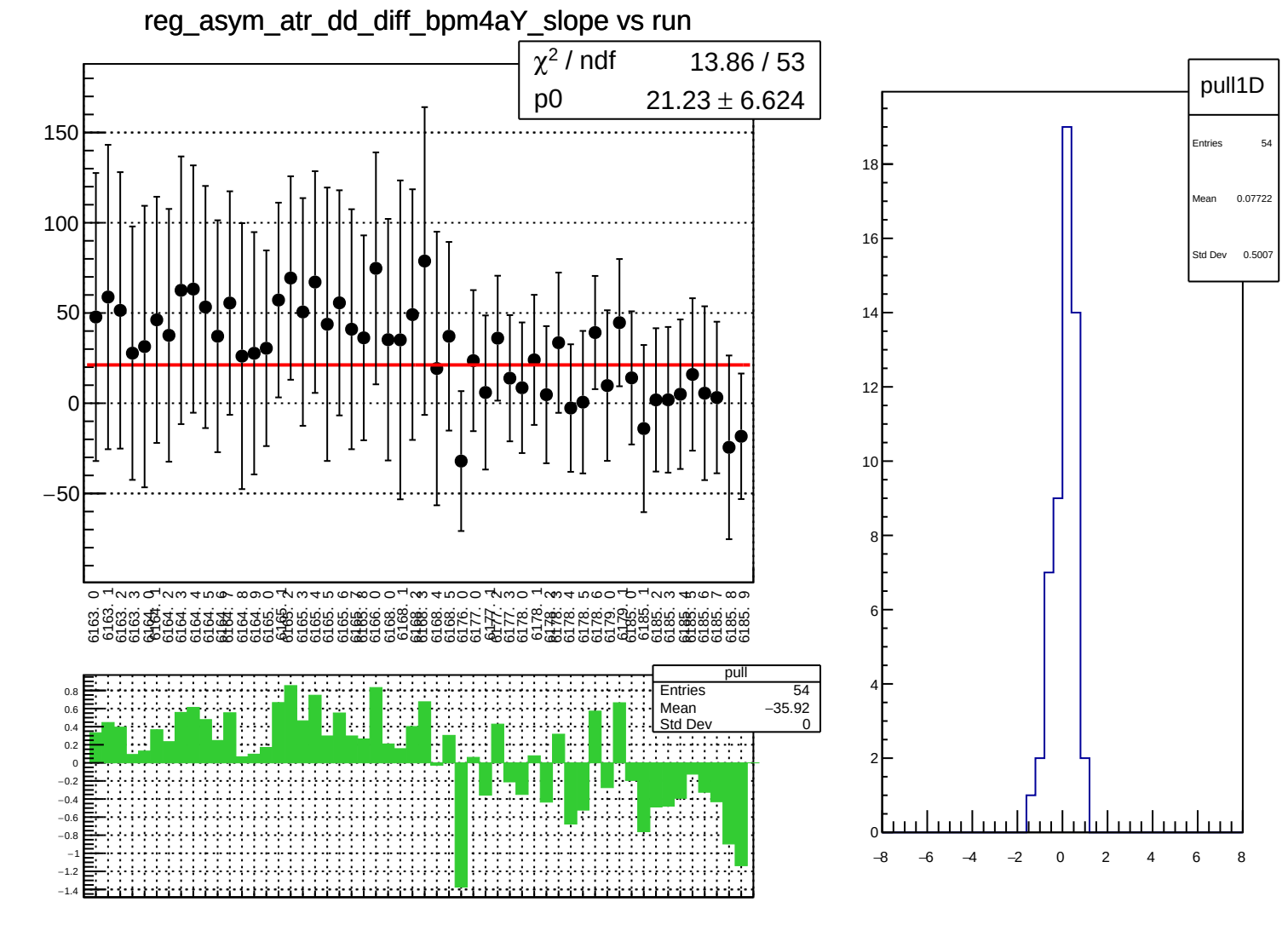

pull1D
Entries 54
Mean 0.04427
Std Dev 0.5109

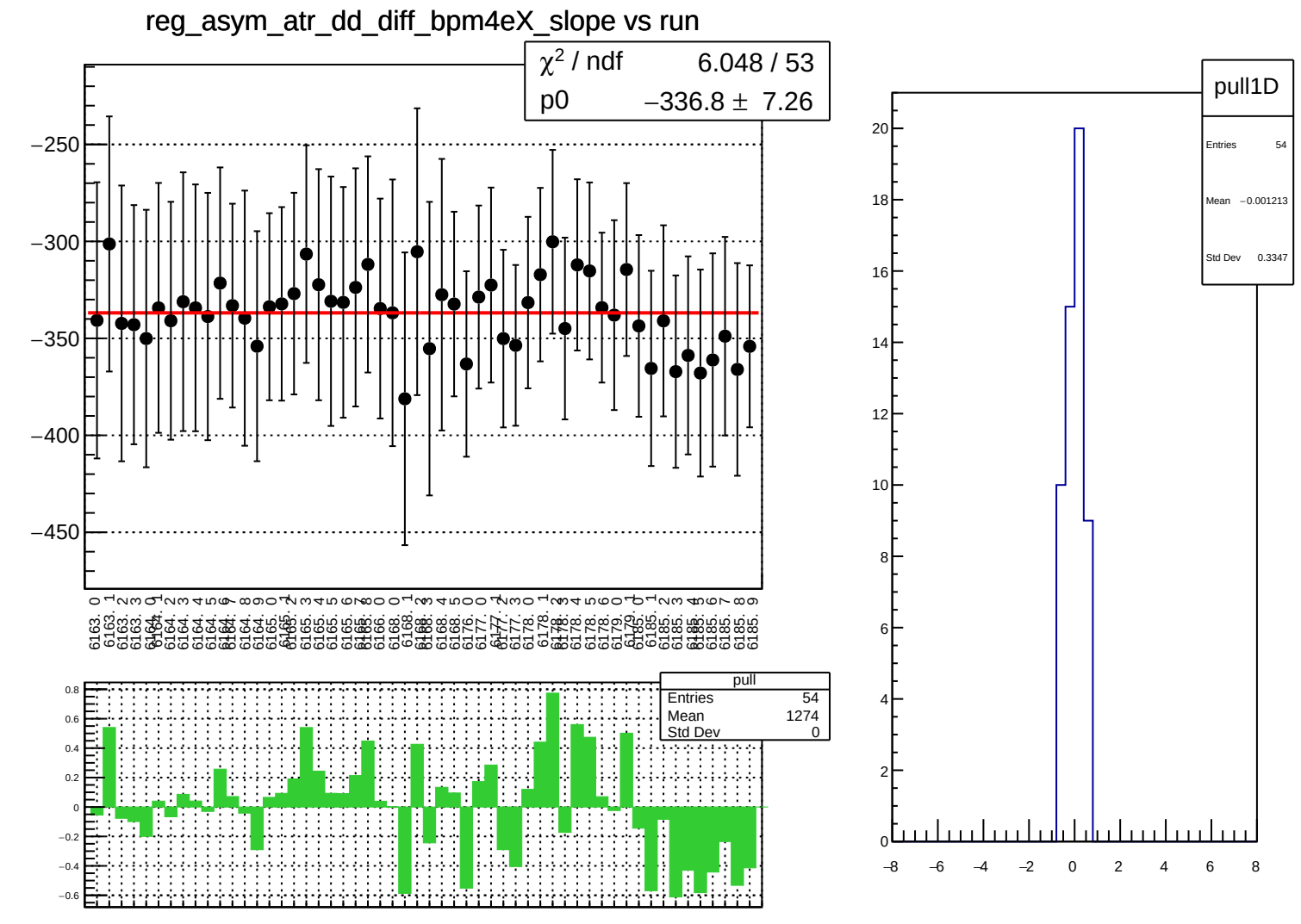

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ² / ndf 6.6 / 53
p0 62.95 ± 7.424
pull
Entries 54
Mean −67.98
Std Dev 0

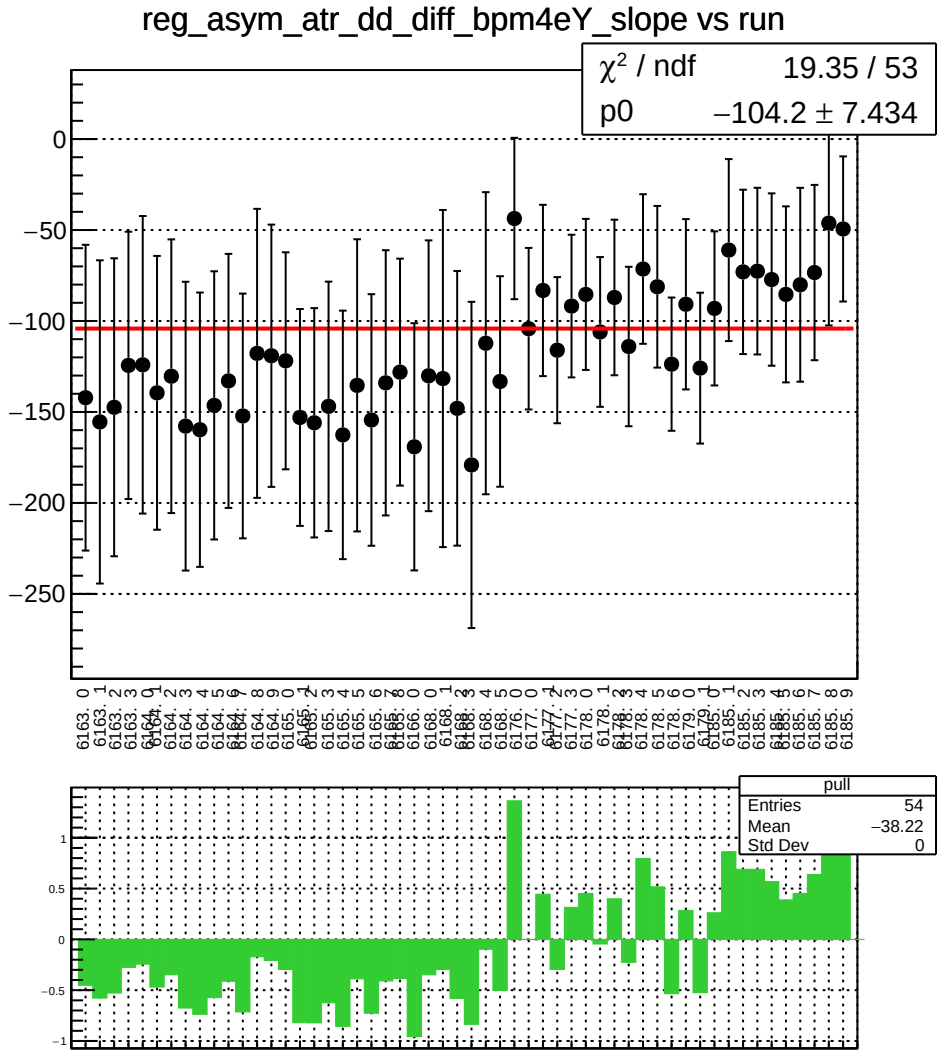

pull1D
Entries 54
Mean 0.01736
Std Dev 0.3492

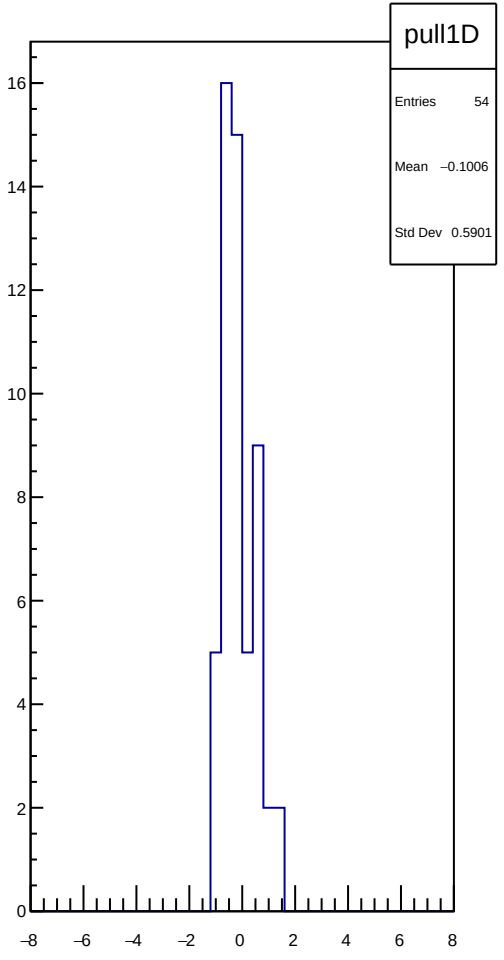

reg_asym_atr_avg_diff_bpm12X_slope vs run
χ² / ndf 21.83 / 53
p0 −140.1 ± 0.5903
pull
Entries 54
Mean 1.02
Std Dev 0
pull1D
Entries 54
Mean −0.04934
Std Dev 0.6339

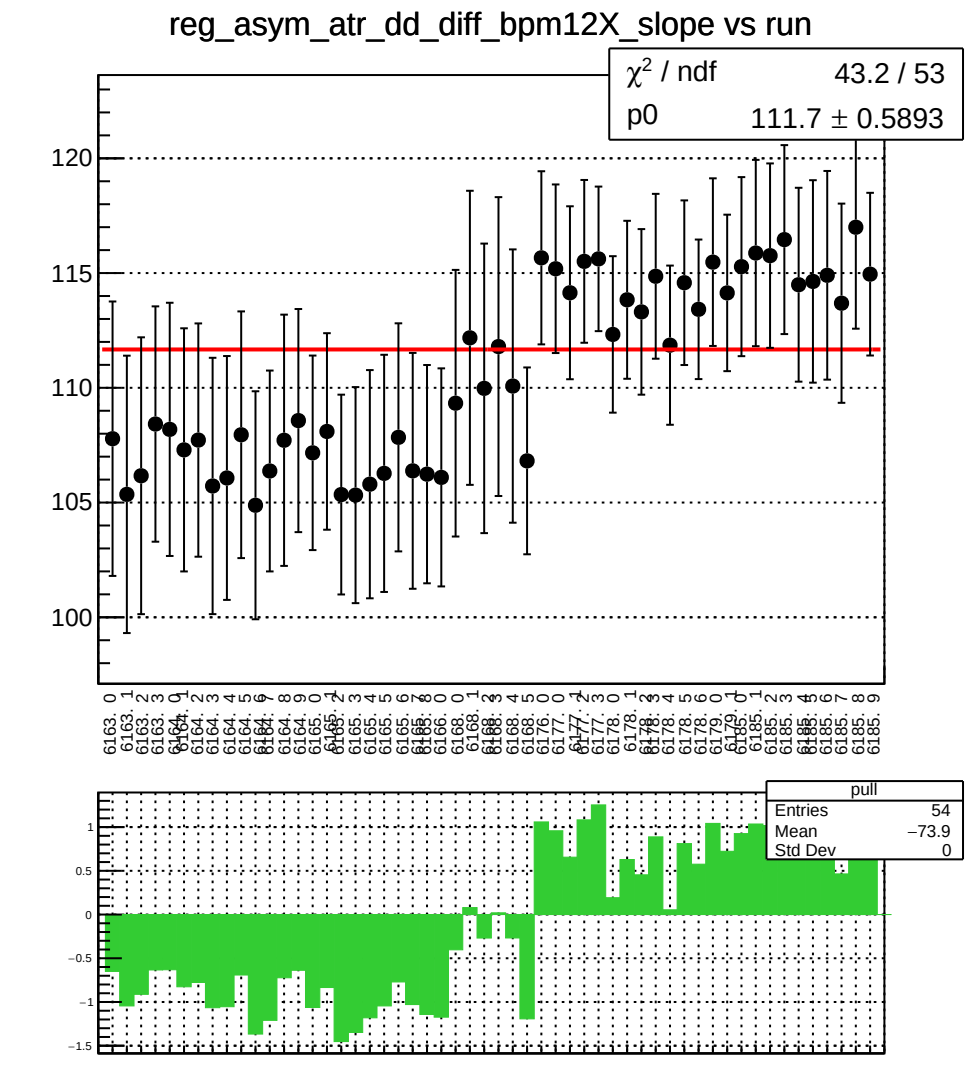

reg_asym_atr_dd_diff_bpm1X_slope vs run
χ² / ndf 9.854 / 53
p0 203 ± 6.268
pull
Entries 54
Mean −395.9
Std Dev 0
pull1D
Entries 54
Mean −0.01016
Std Dev 0.4271

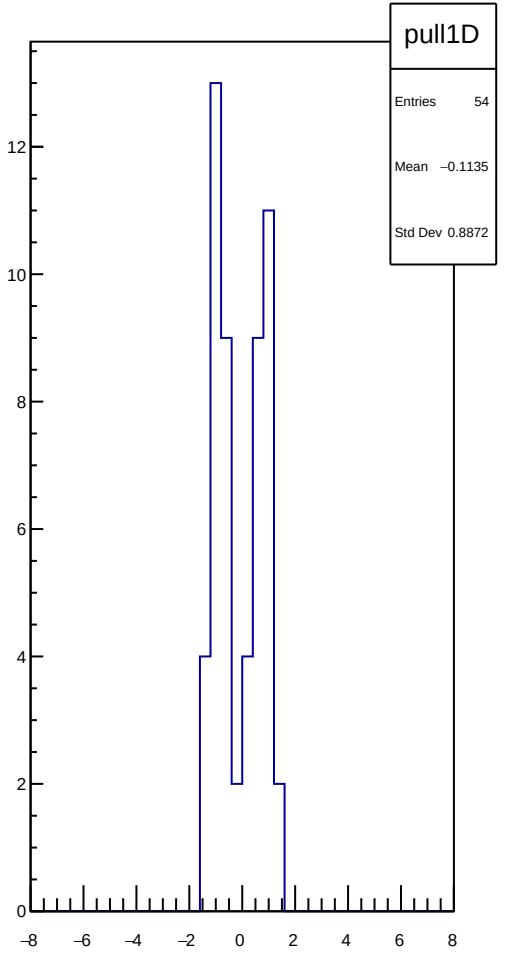

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ² / ndf 13.86 / 53
p0 21.23 ± 6.624
150
100
50
0
−50
pull
Entries 54
Mean −35.92
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4
pull1D
Entries 54
Mean 0.07722
Std Dev 0.5007
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

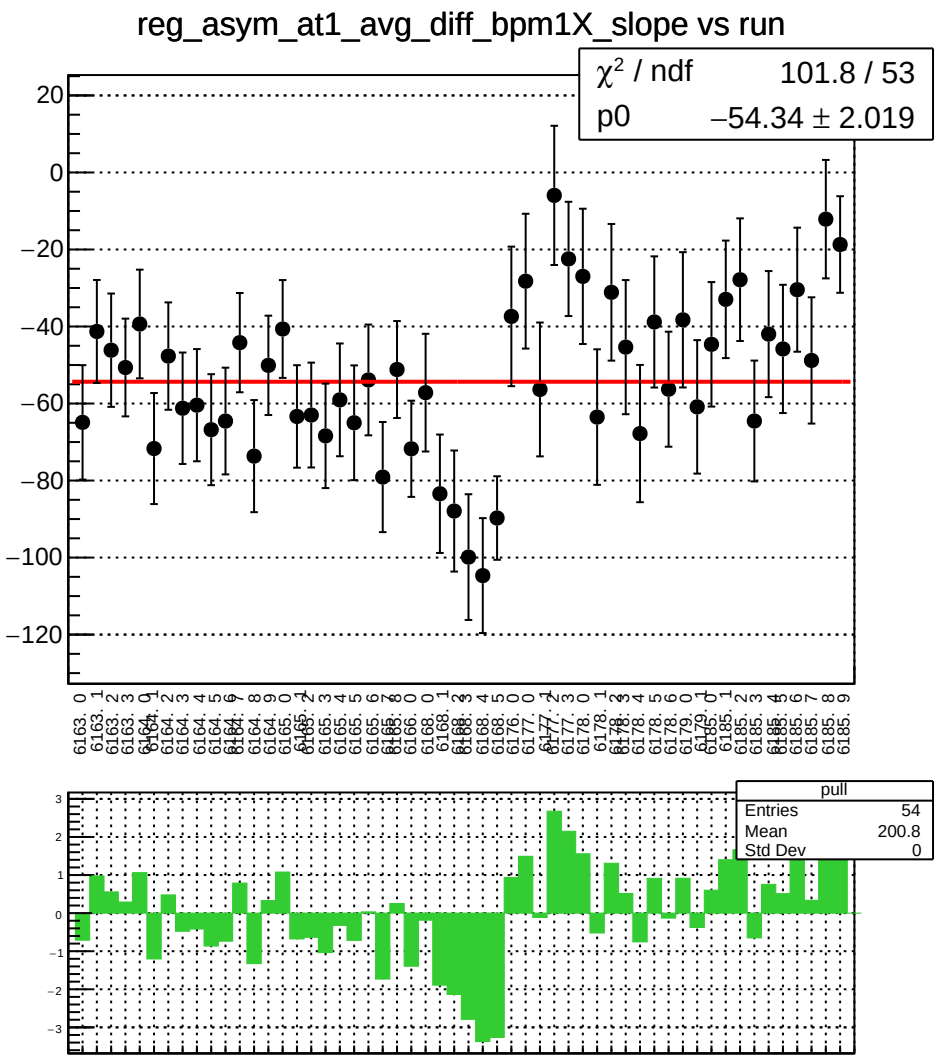

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ² / ndf 6.048 / 53
p0 −336.8 ± 7.26
pull
Entries 54
Mean 1274
Std Dev 0
pull1D
Entries 54
Mean −0.001213
Std Dev 0.3347

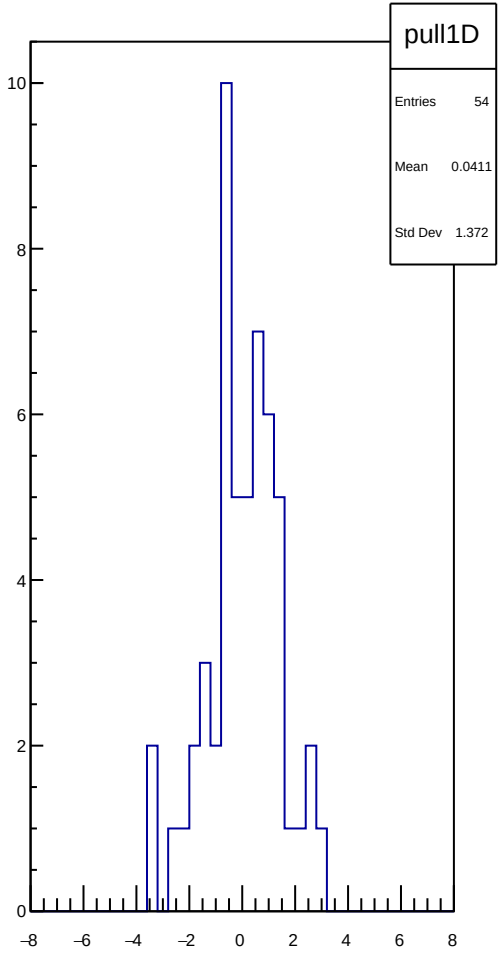

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ² / ndf 19.35 / 53
p0 −104.2 ± 7.434
pull
Entries 54
Mean −38.22
Std Dev 0

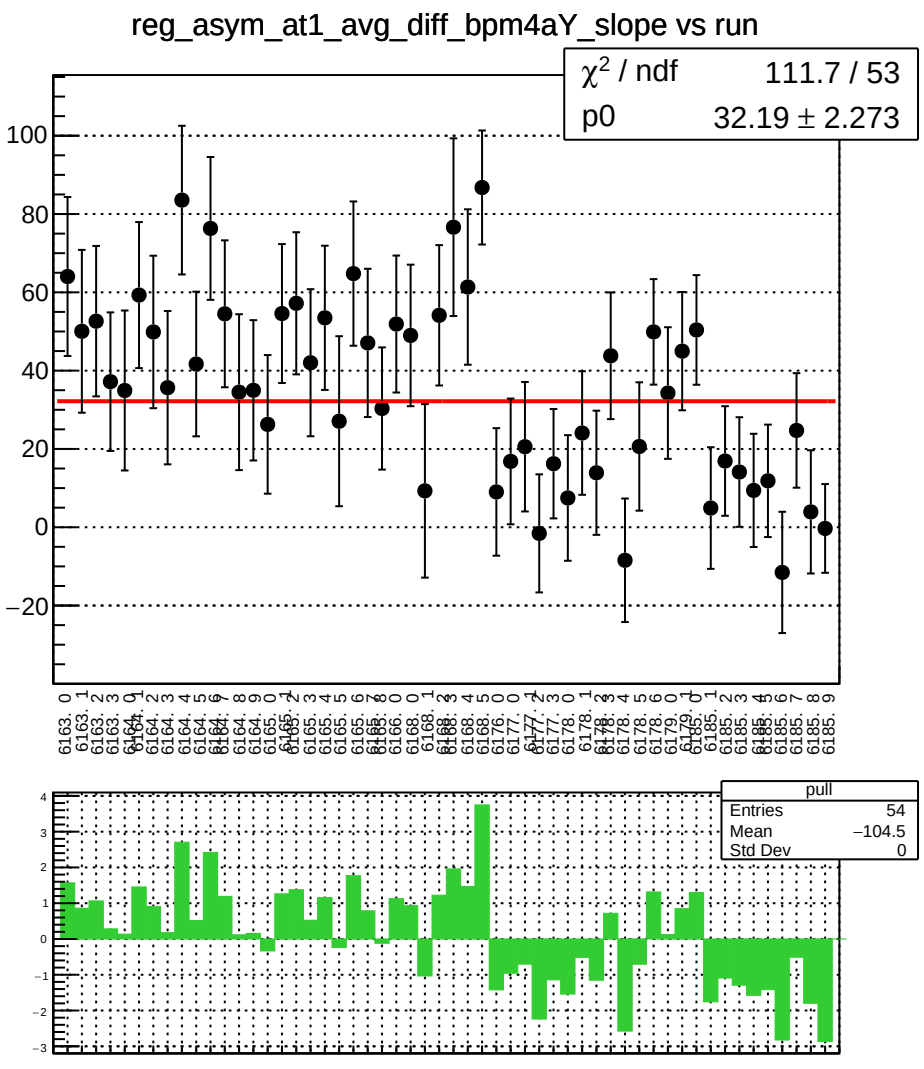

pull1D
Entries 54
Mean −0.1006
Std Dev 0.5901

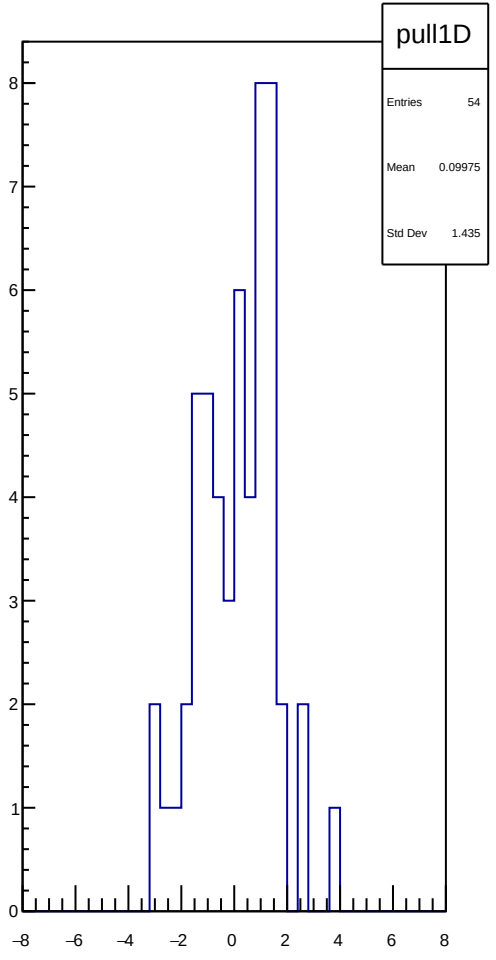

reg_asym_atr_dd_diff_bpm12X_slope vs run
χ² / ndf 43.2 / 53
p0 111.7 ± 0.5893
120
115
110
105
100
pull
Entries 54
Mean −73.9
Std Dev 0
1
0.5
0
−0.5
−1
−1.5

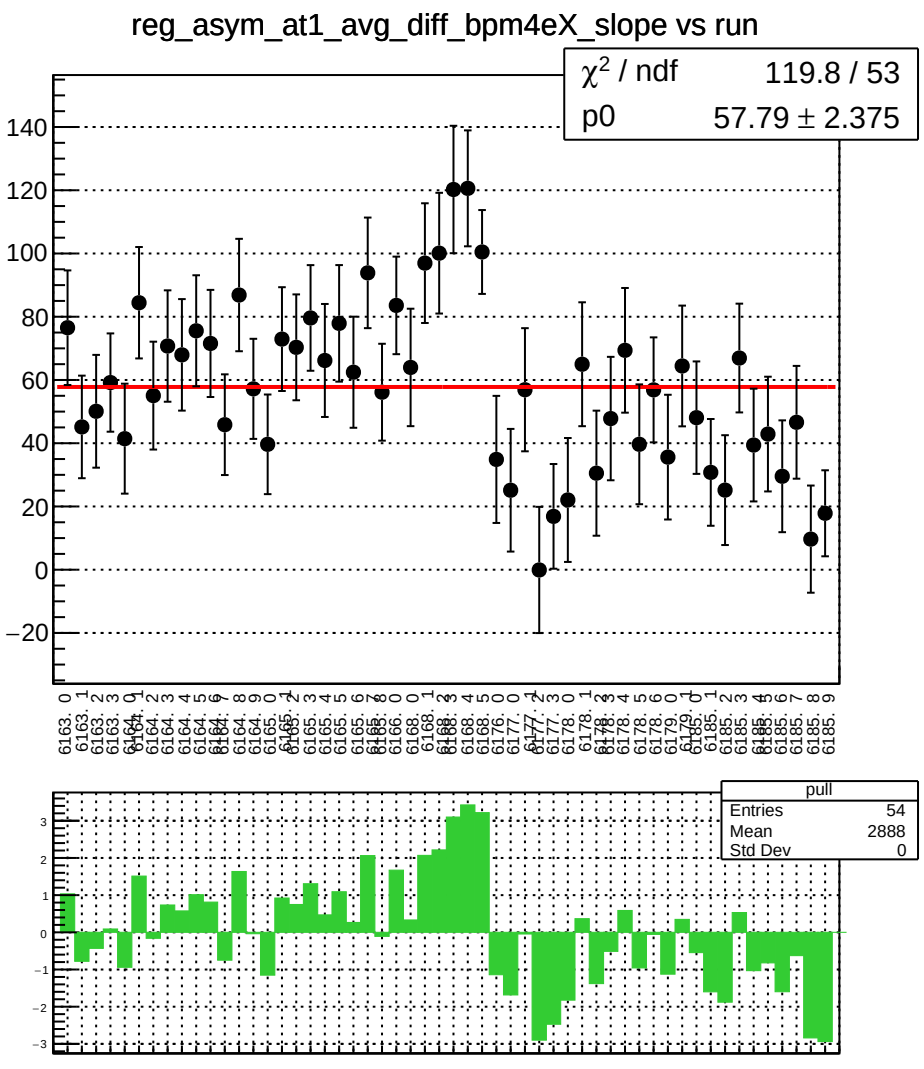

pull1D
Entries 54
Mean −0.1135
Std Dev 0.8872
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

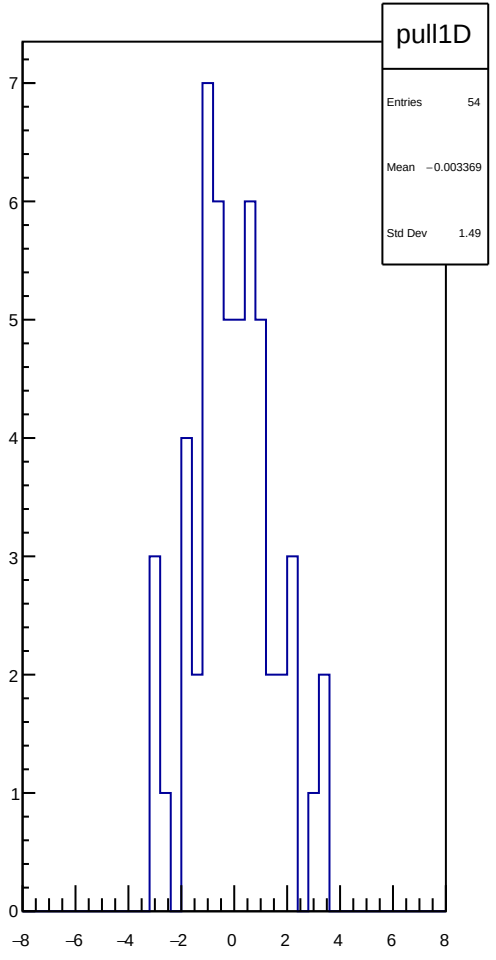

reg_asym_at1_avg_diff_bpm1X_slope vs run
χ² / ndf 101.8 / 53
p0 −54.34 ± 2.019
pull
Entries 54
Mean 200.8
Std Dev 0

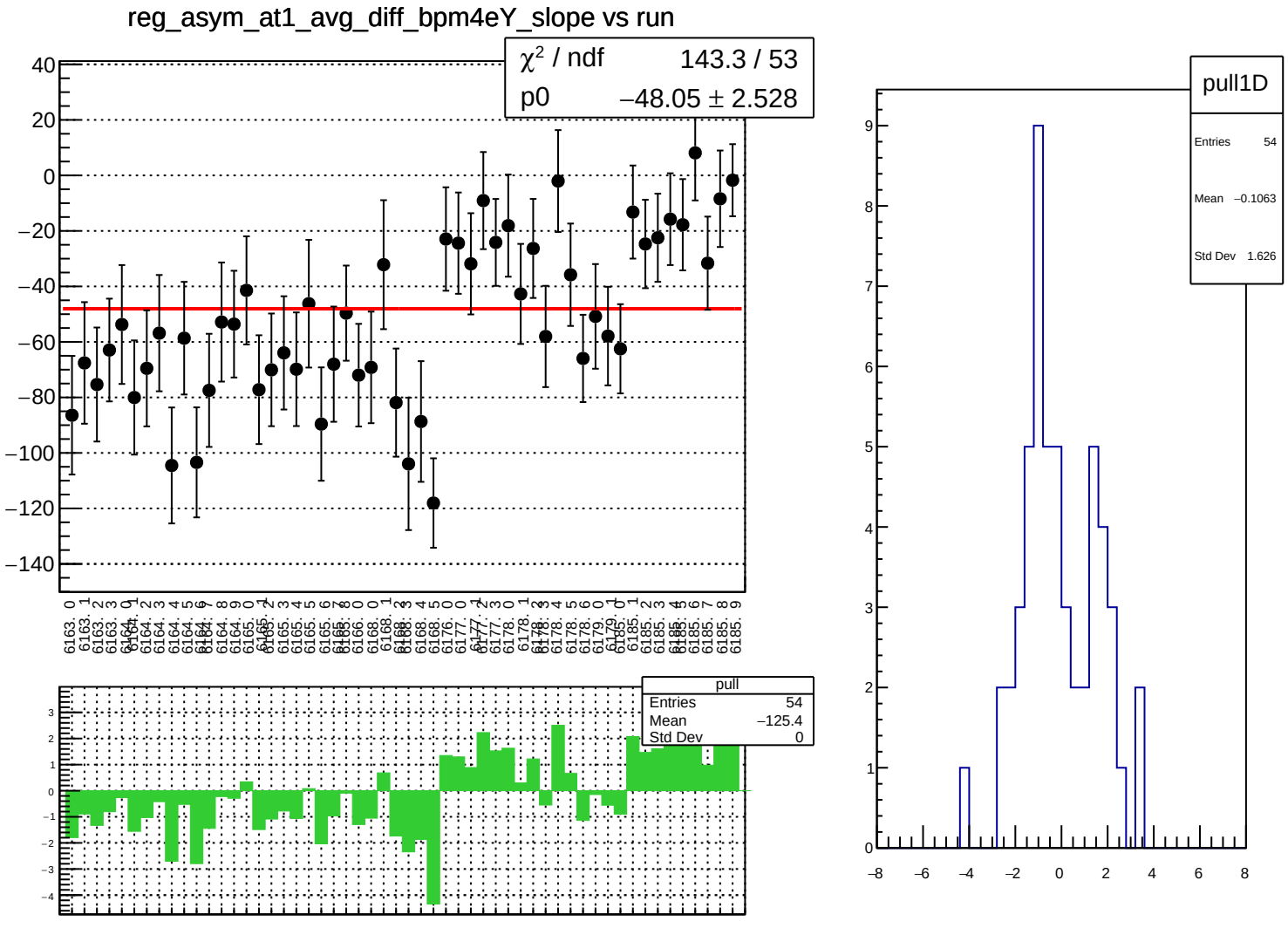

pull1D
Entries 54
Mean 0.0411
Std Dev 1.372

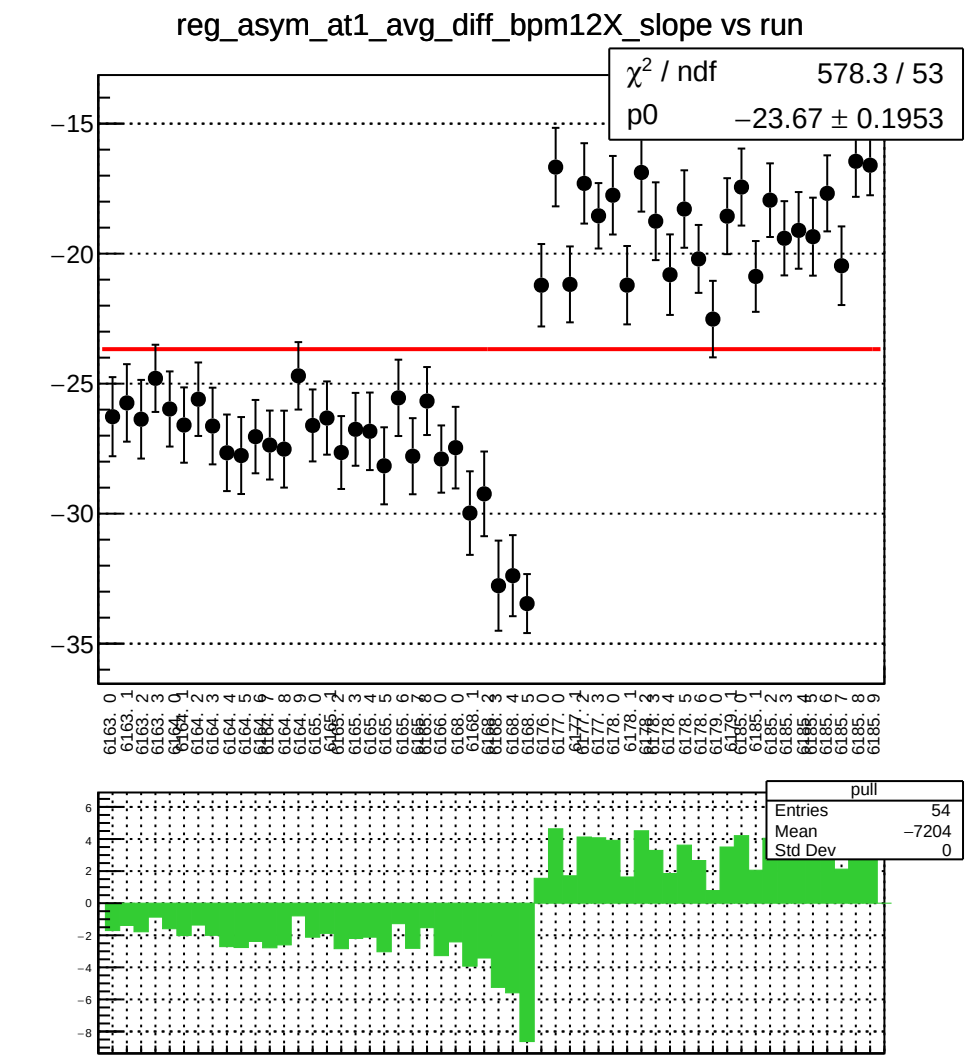

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ² / ndf 111.7 / 53
p0 32.19 ± 2.273
pull
Entries 54
Mean −104.5
Std Dev 0

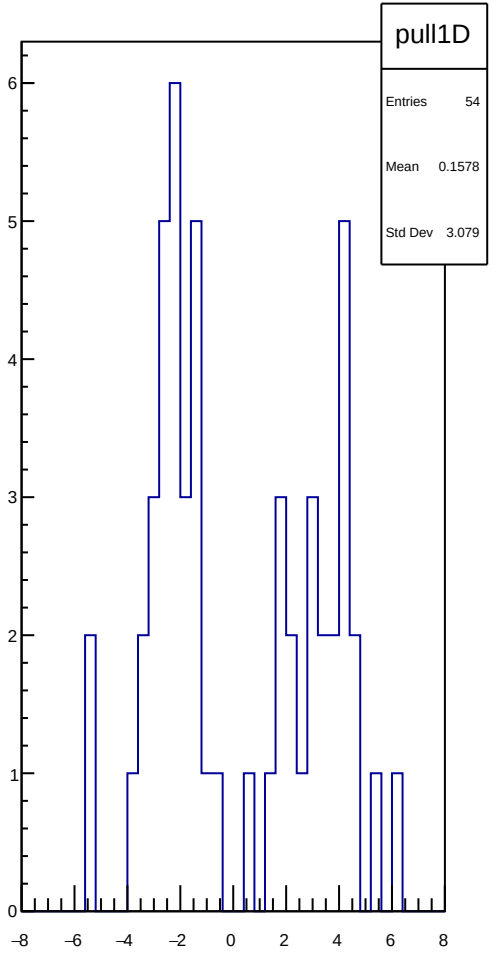

pull1D
Entries 54
Mean 0.09975
Std Dev 1.435

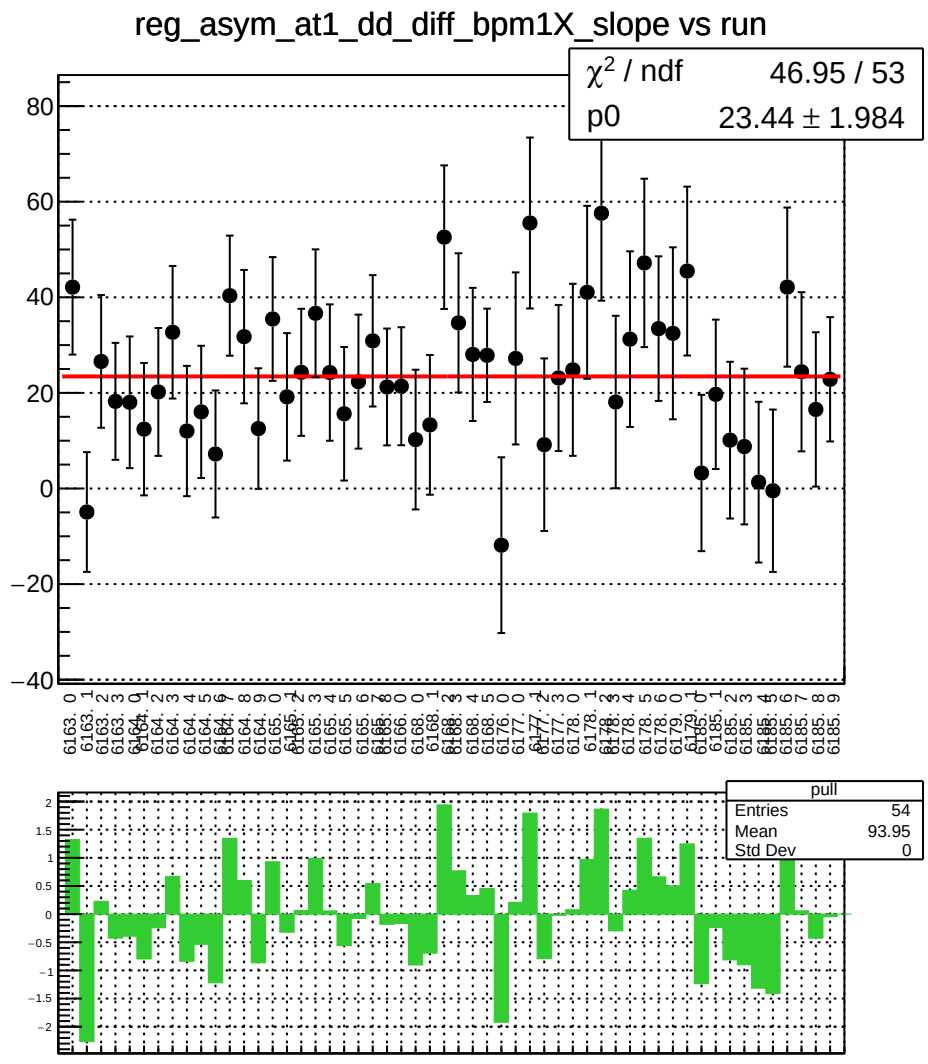

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ² / ndf 119.8 / 53
p0 57.79 ± 2.375
pull
Entries 54
Mean 2888
Std Dev 0

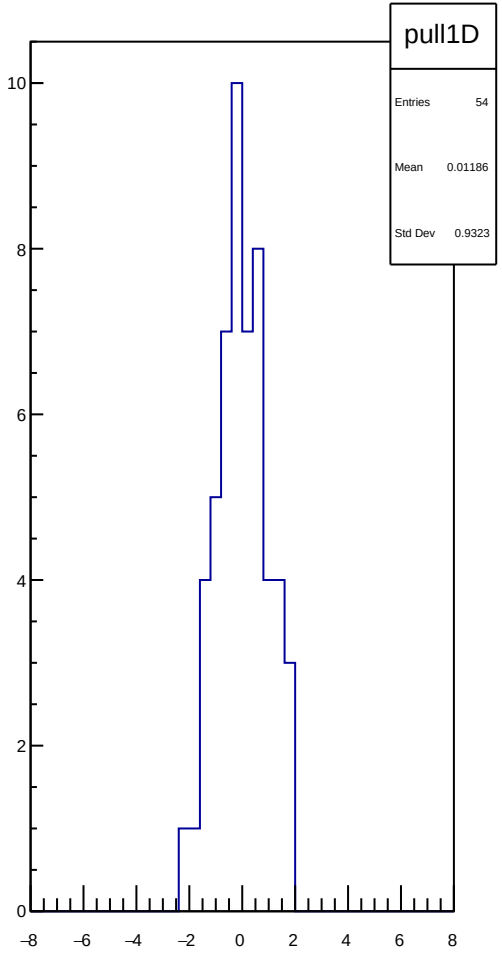

pull1D
Entries 54
Mean −0.003369
Std Dev 1.49

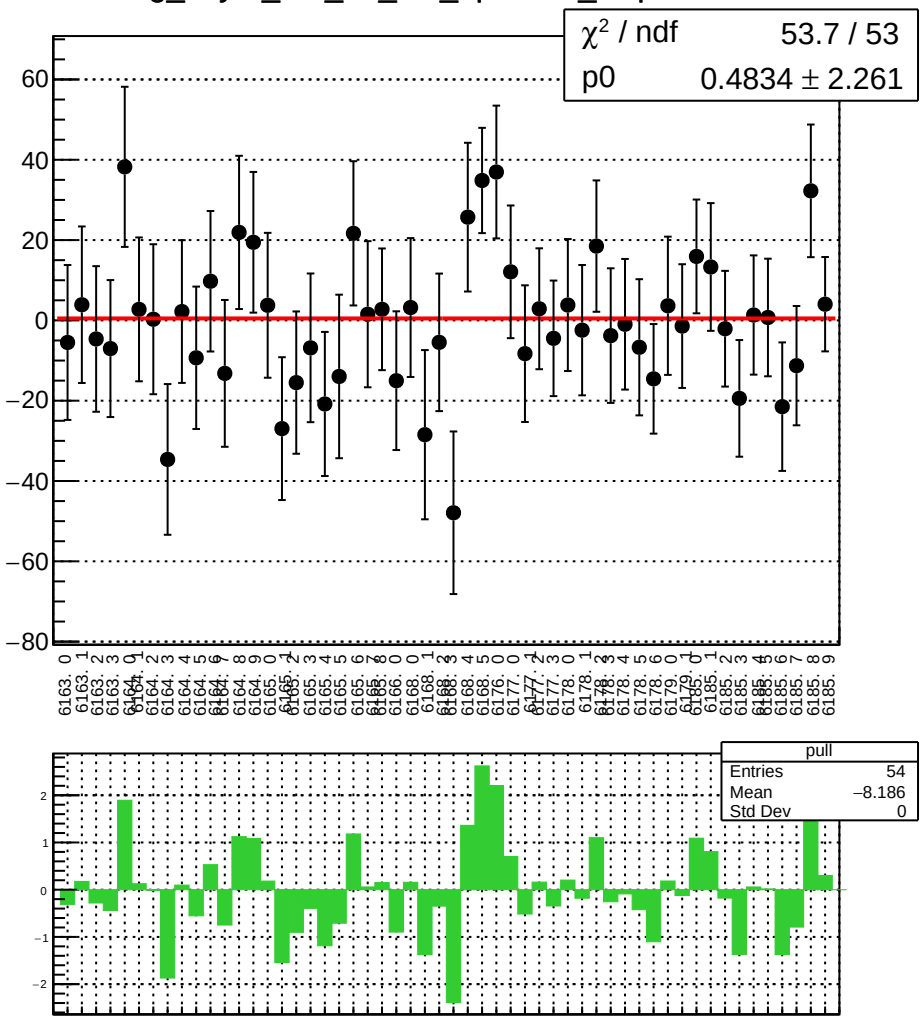

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ² / ndf 143.3 / 53
p0 −48.05 ± 2.528
pull
Entries 54
Mean −125.4
Std Dev 0
pull1D
Entries 54
Mean −0.1063
Std Dev 1.626

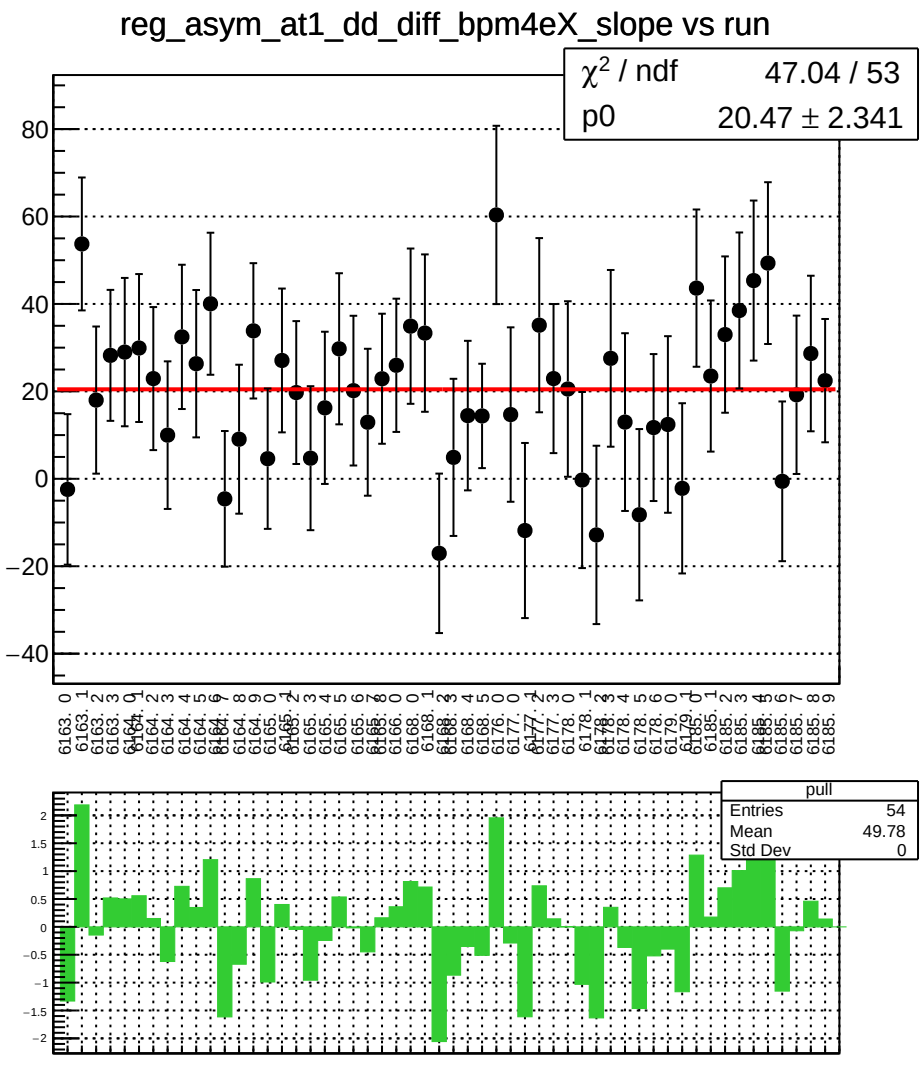

reg_asym_at1_avg_diff_bpm12X_slope vs run
χ² / ndf 578.3 / 53
p0 −23.67 ± 0.1953
pull
Entries 54
Mean −7204
Std Dev 0

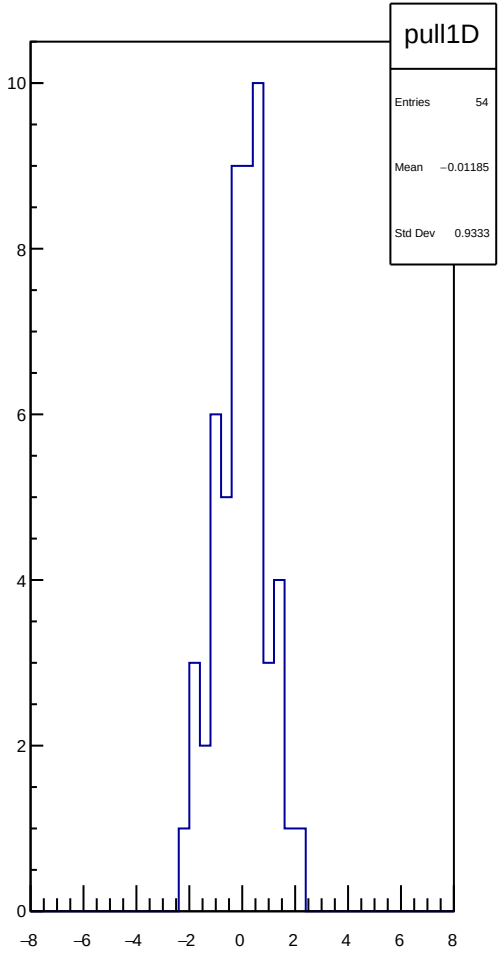

pull1D
Entries 54
Mean 0.1578
Std Dev 3.079

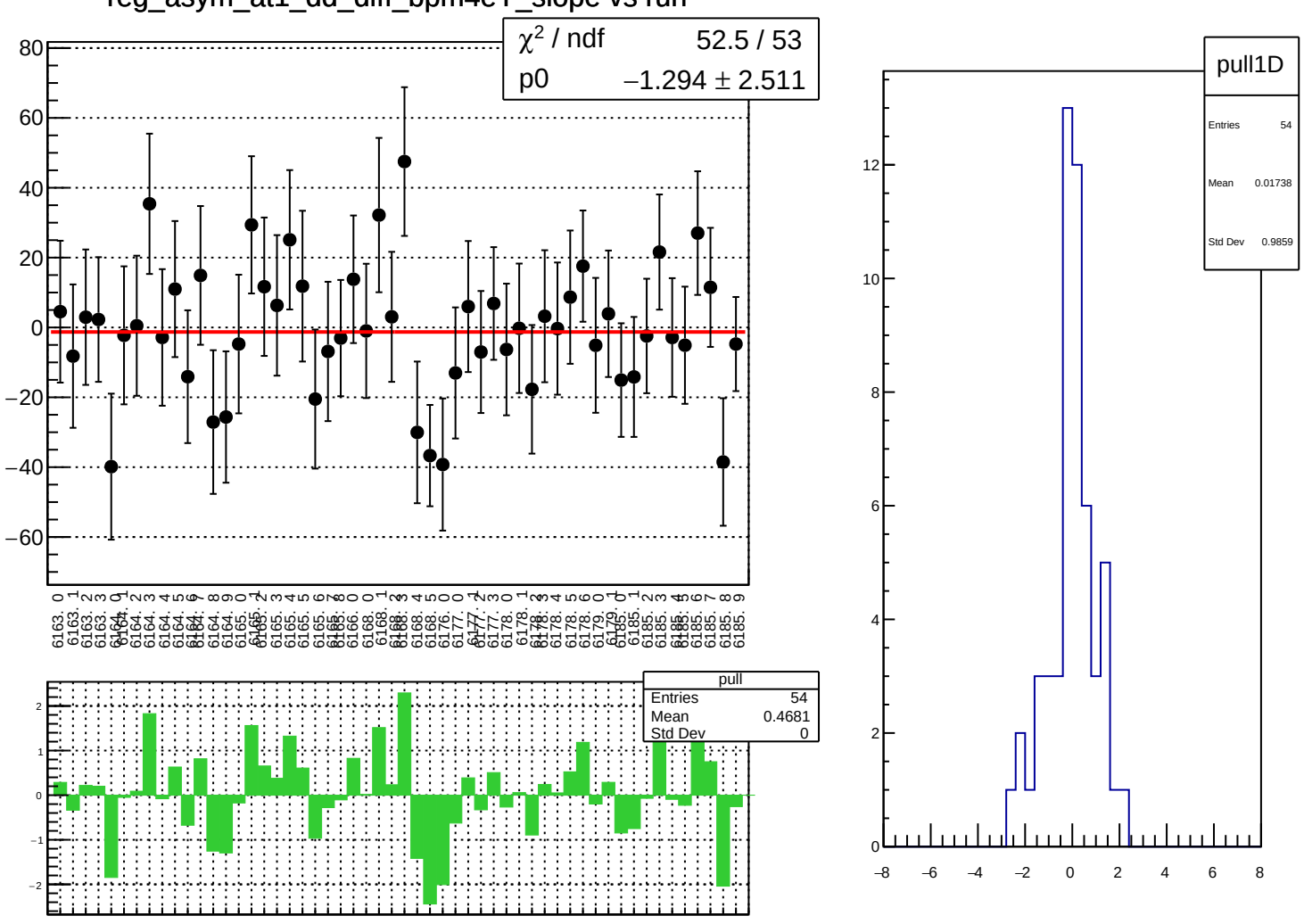

reg_asym_at1_dd_diff_bpm1X_slope vs run
χ² / ndf 46.95 / 53
p0 23.44 ± 1.984
pull
Entries 54
Mean 93.95
Std Dev 0

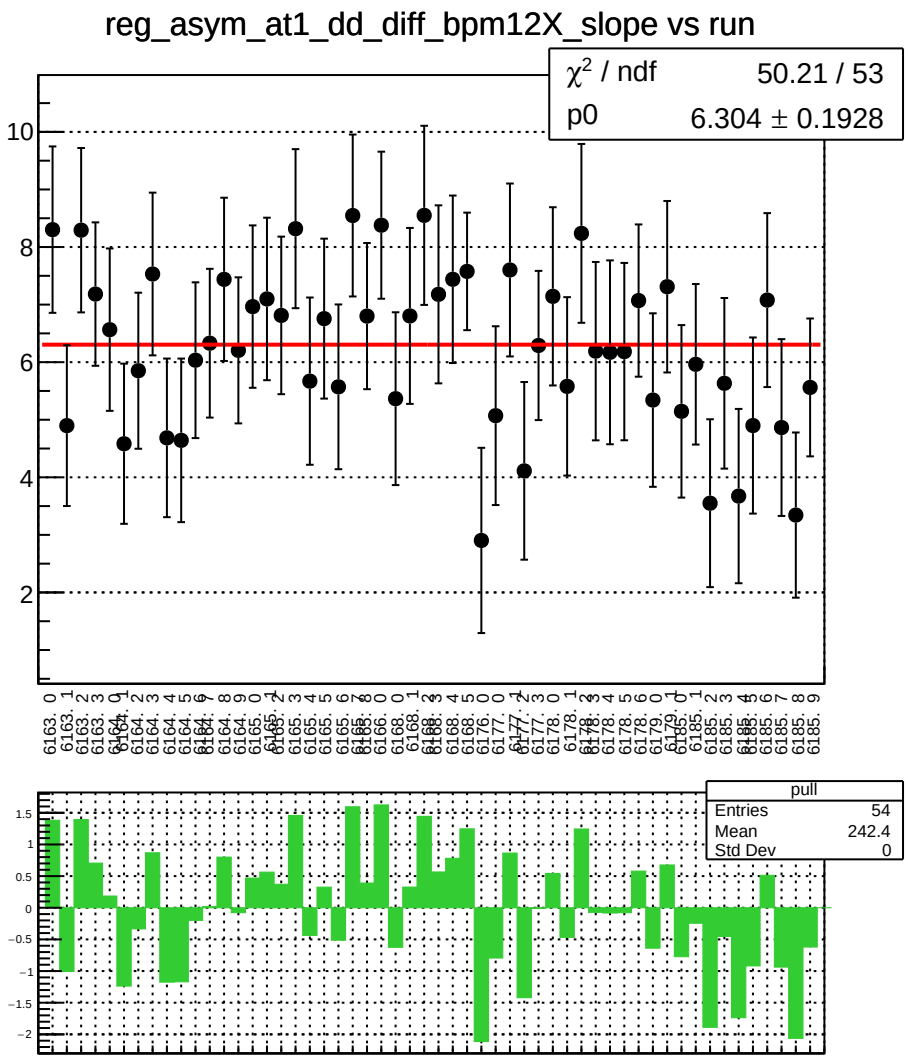

pull1D
Entries 54
Mean 0.01186
Std Dev 0.9323

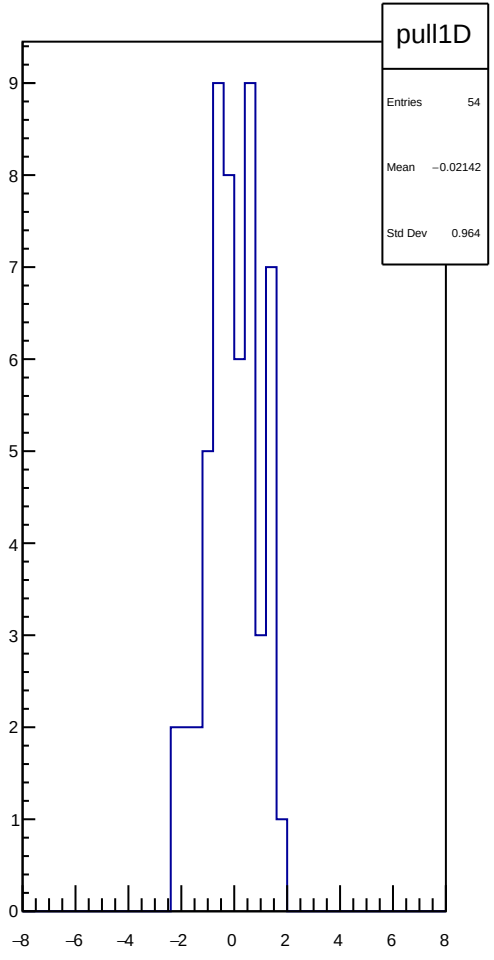

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ² / ndf 53.7 / 53
p0 0.4834 ± 2.261
pull
Entries 54
Mean −8.186
Std Dev 0
pull1D
Entries 54
Mean −0.02244
Std Dev 0.997

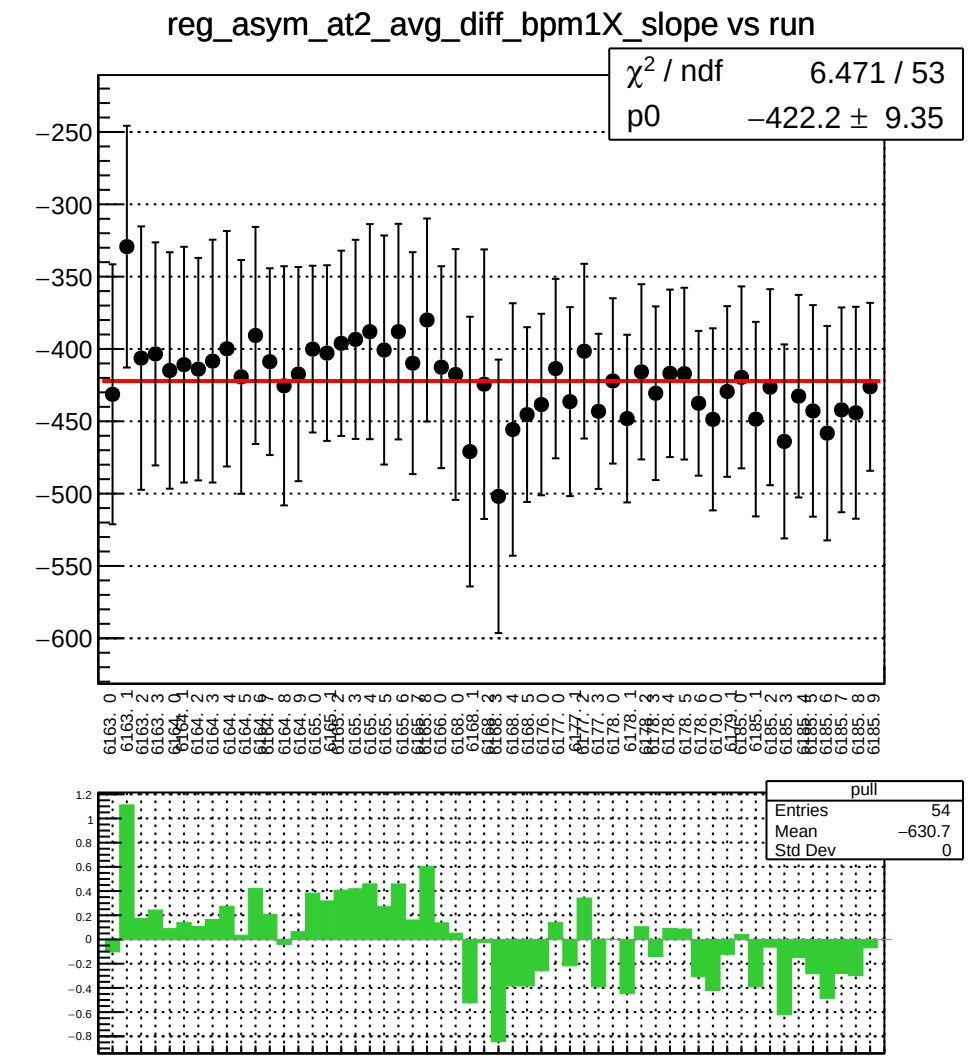

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ² / ndf 47.04 / 53
p0 20.47 ± 2.341
pull
Entries 54
Mean 49.78
Std Dev 0

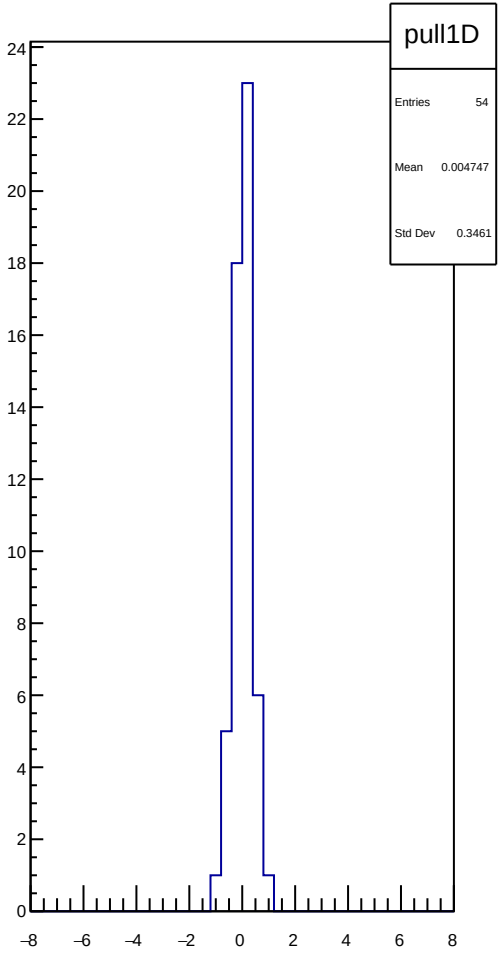

pull1D
Entries 54
Mean −0.01185
Std Dev 0.9333

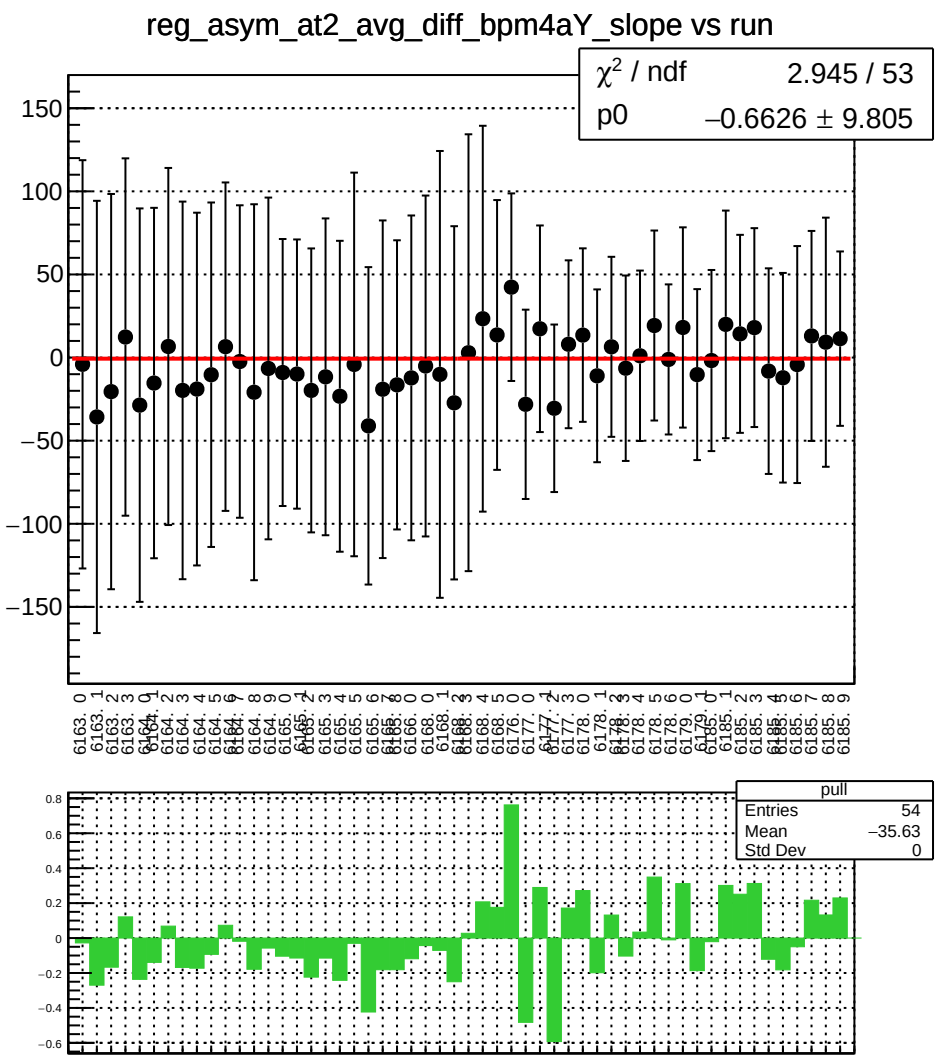

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ² / ndf 52.5 / 53
p0 −1.294 ± 2.511
pull
Entries 54
Mean 0.4681
Std Dev 0
pull1D
Entries 54
Mean 0.01738
Std Dev 0.9859

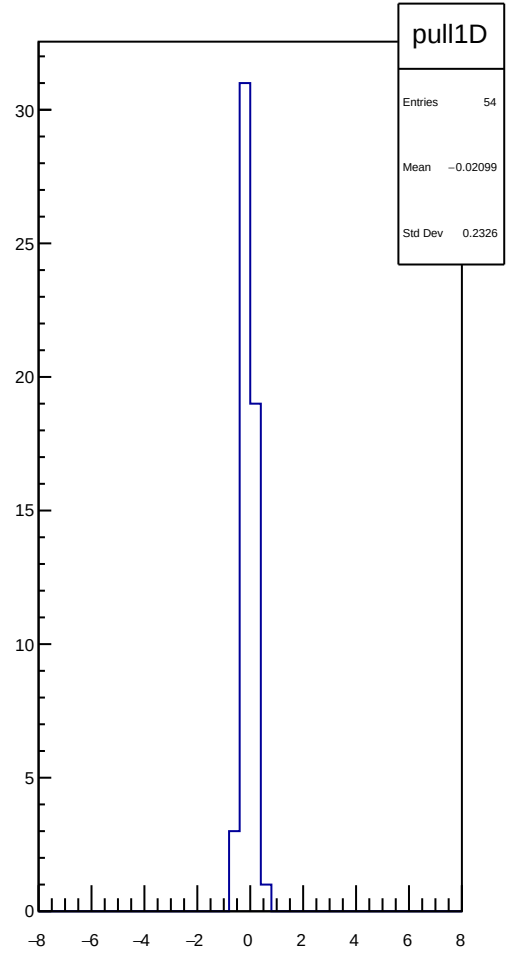

reg_asym_at1_dd_diff_bpm12X_slope vs run
χ² / ndf 50.21 / 53
p0 6.304 ± 0.1928
pull
Entries 54
Mean 242.4
Std Dev 0

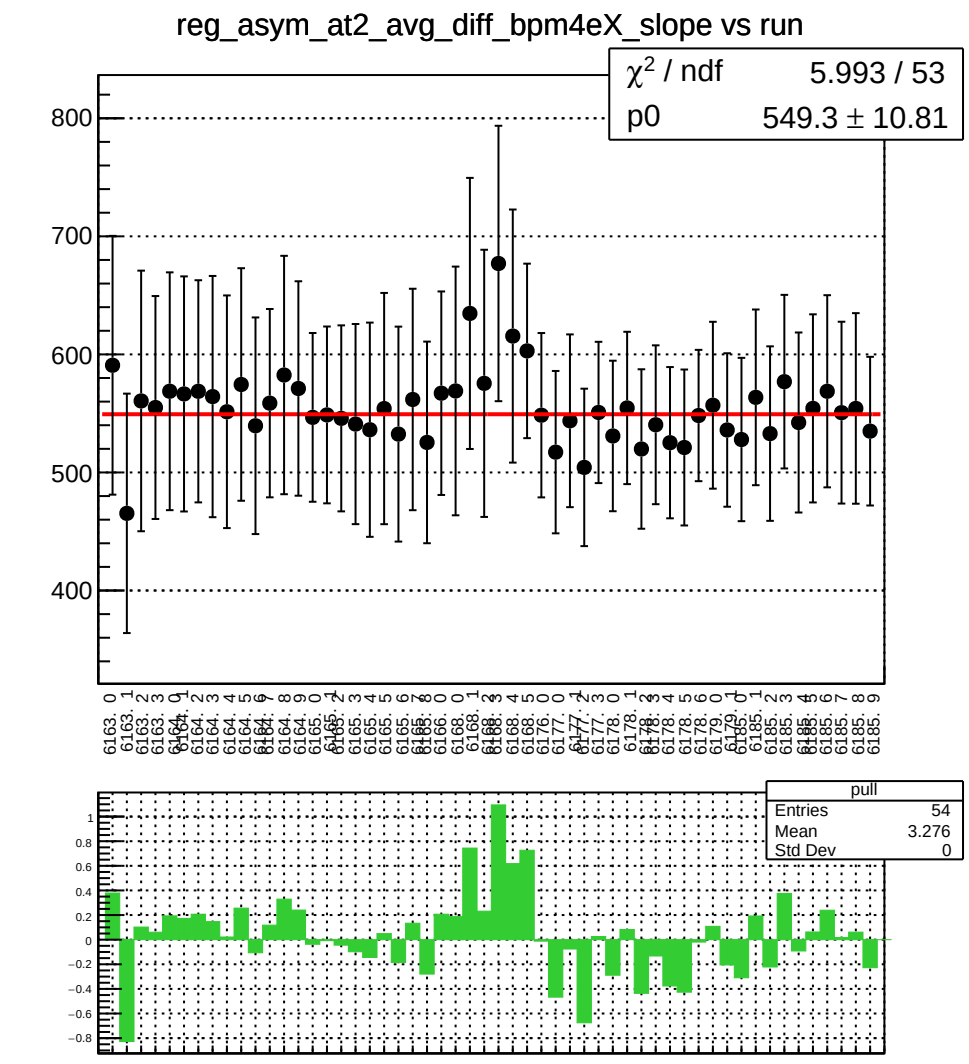

pull1D
Entries 54
Mean −0.02142
Std Dev 0.964

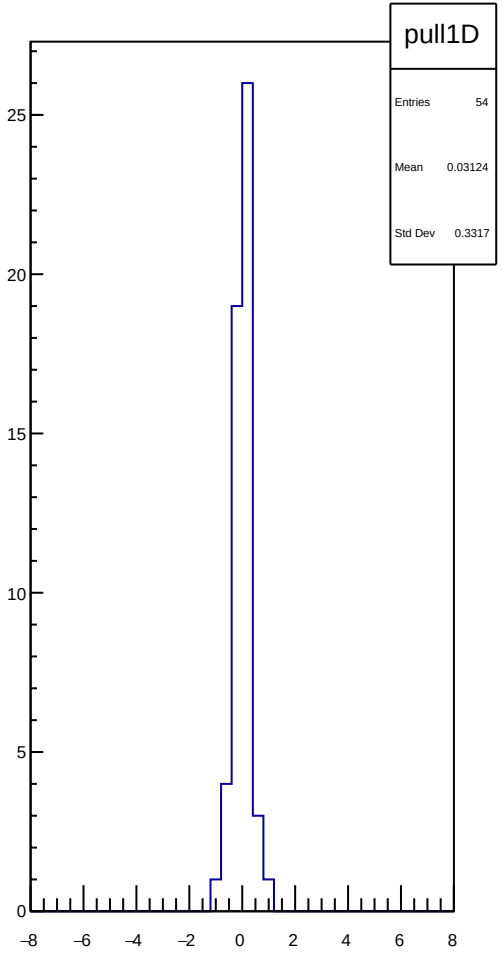

reg_asym_at2_avg_diff_bpm1X_slope vs run
χ² / ndf 6.471 / 53
p0 −422.2 ± 9.35
pull
Entries 54
Mean −630.7
Std Dev 0

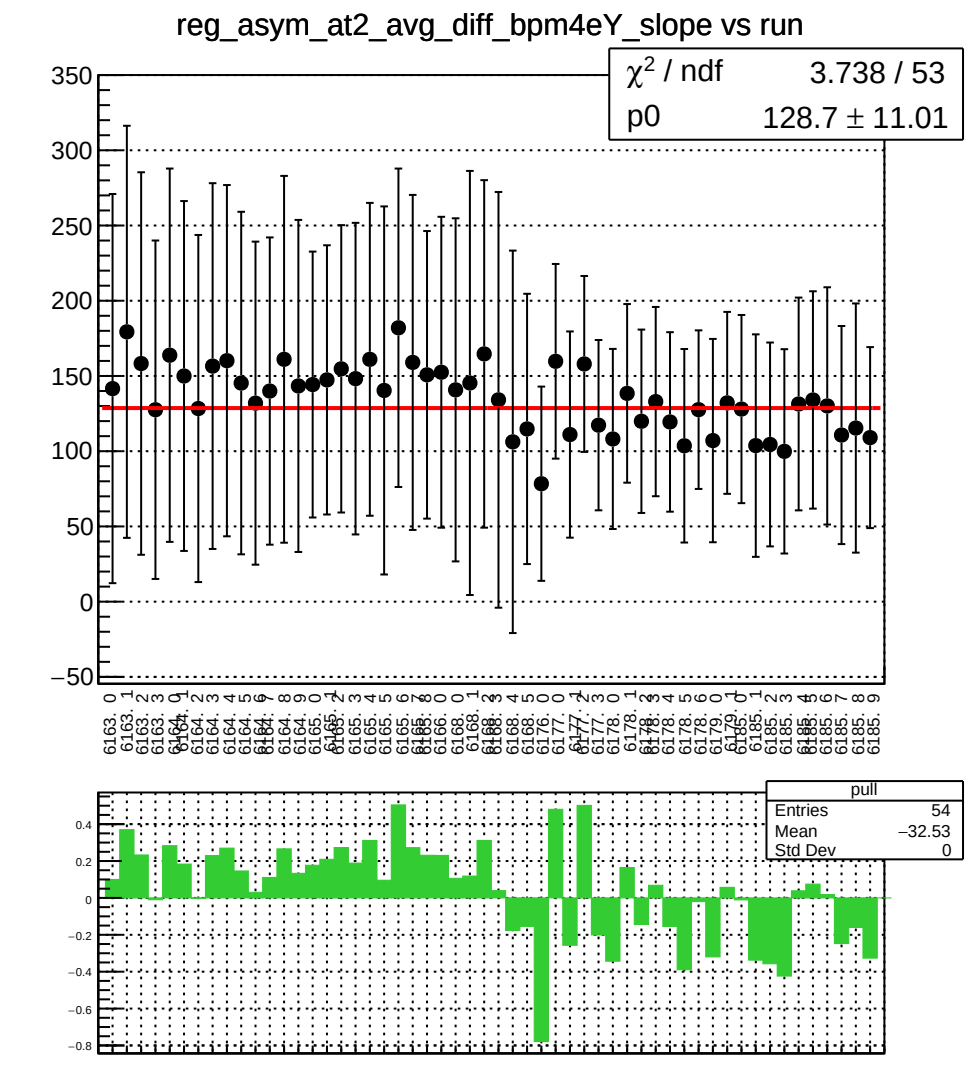

pull1D
Entries 54
Mean 0.004747
Std Dev 0.3461

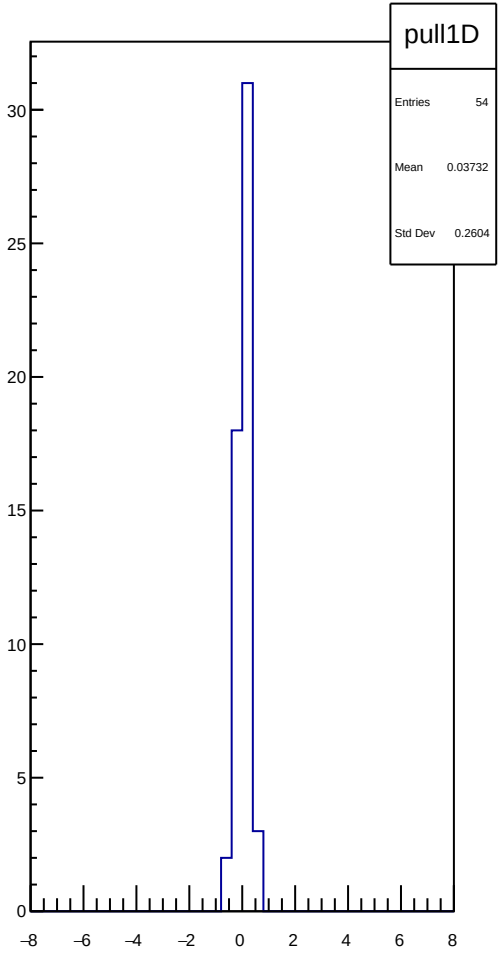

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ² / ndf 2.945 / 53
p0 −0.6626 ± 9.805
pull
Entries 54
Mean −35.63
Std Dev 0

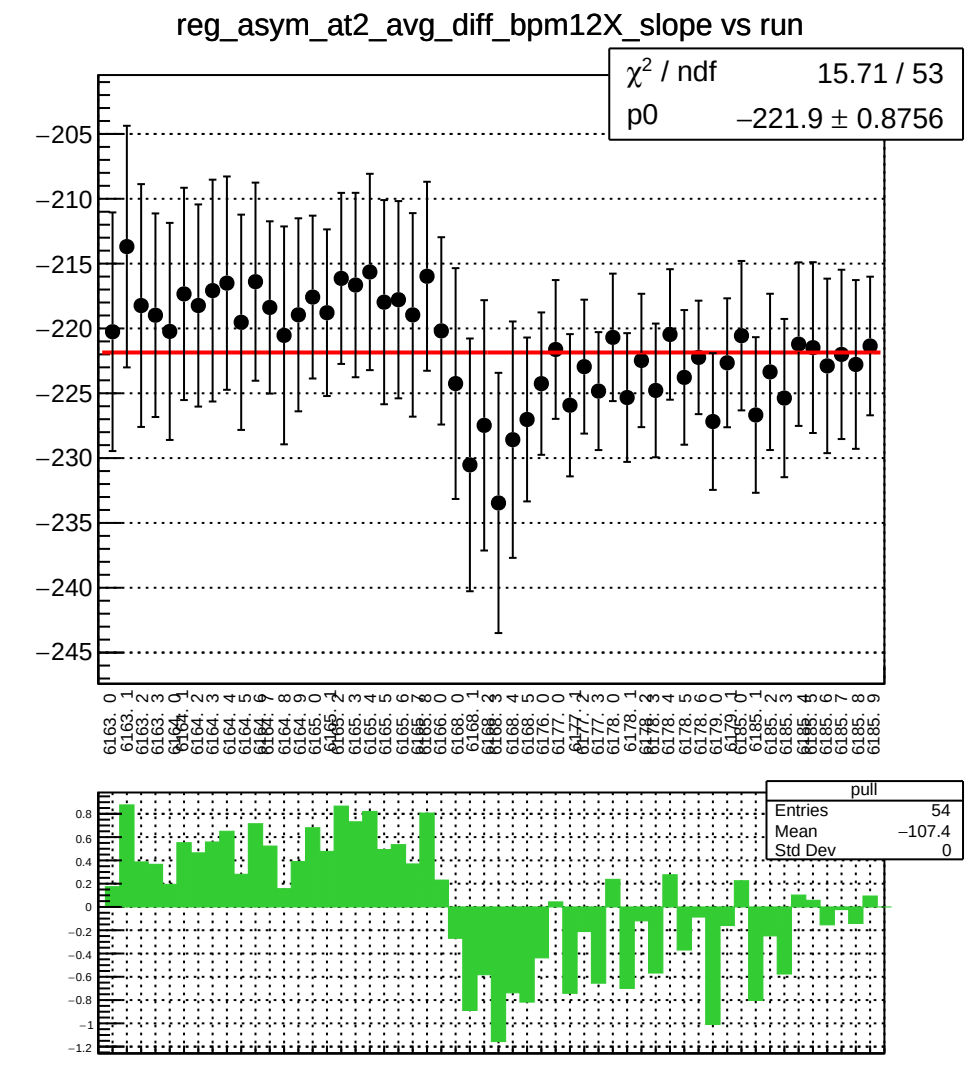

pull1D
Entries 54
Mean −0.02099
Std Dev 0.2326

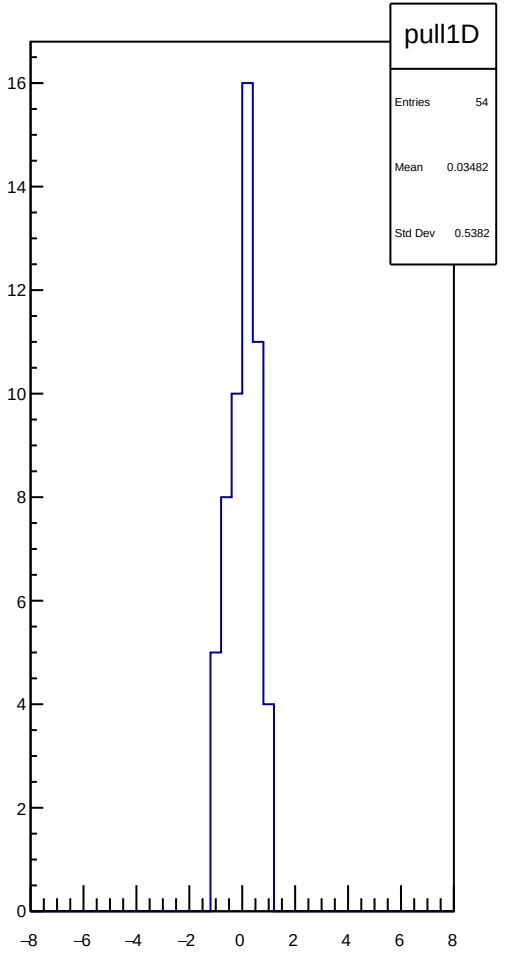

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ² / ndf 5.993 / 53
p0 549.3 ± 10.81
800
700
600
500
400
pull
Entries 54
Mean 3.276
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

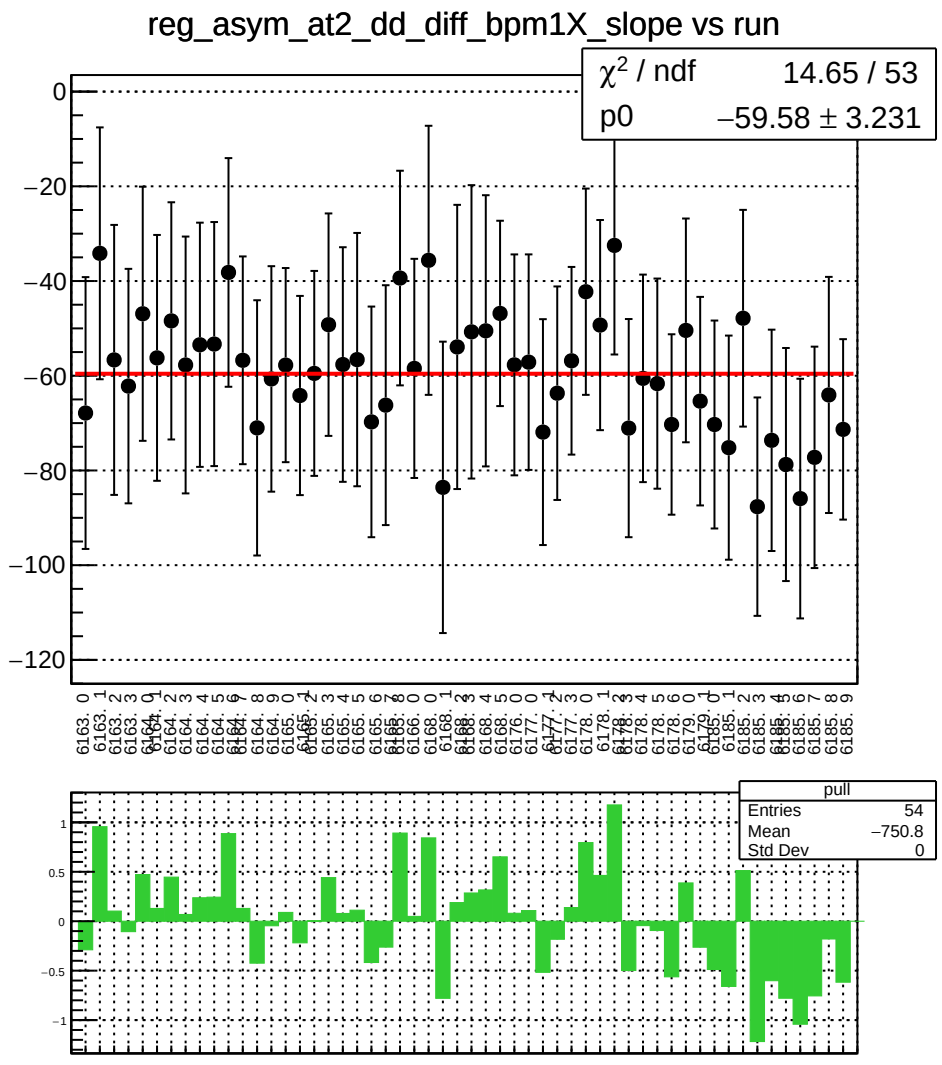

pull1D
Entries 54
Mean 0.03124
Std Dev 0.3317
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

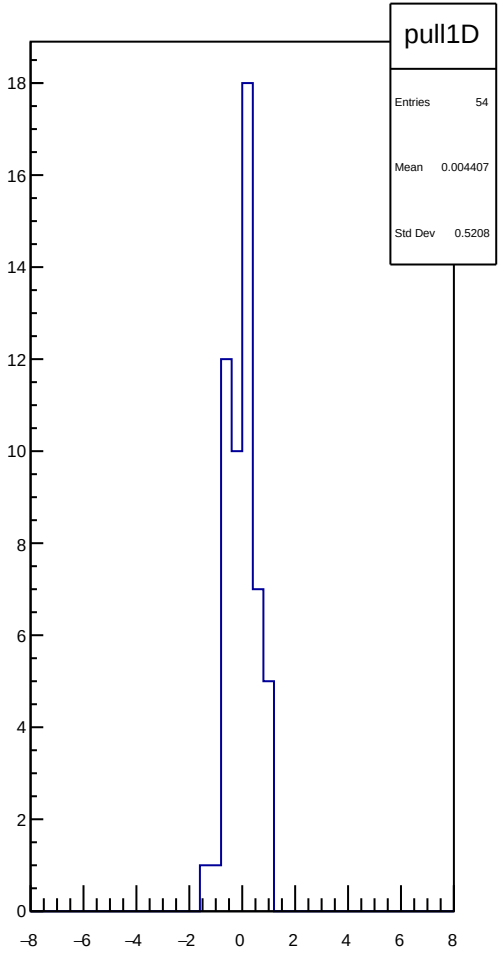

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ² / ndf 3.738 / 53
p0 128.7 ± 11.01
pull
Entries 54
Mean −32.53
Std Dev 0

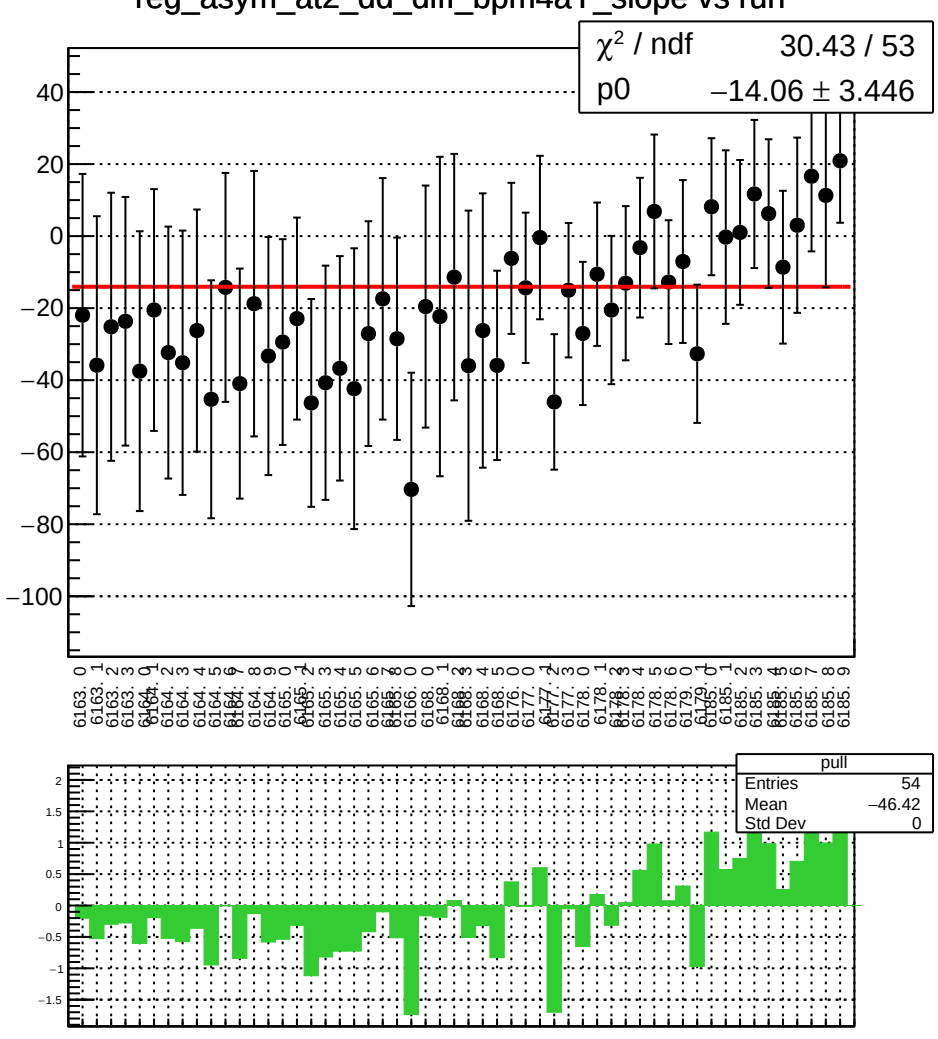

pull1D
Entries 54
Mean 0.03732
Std Dev 0.2604

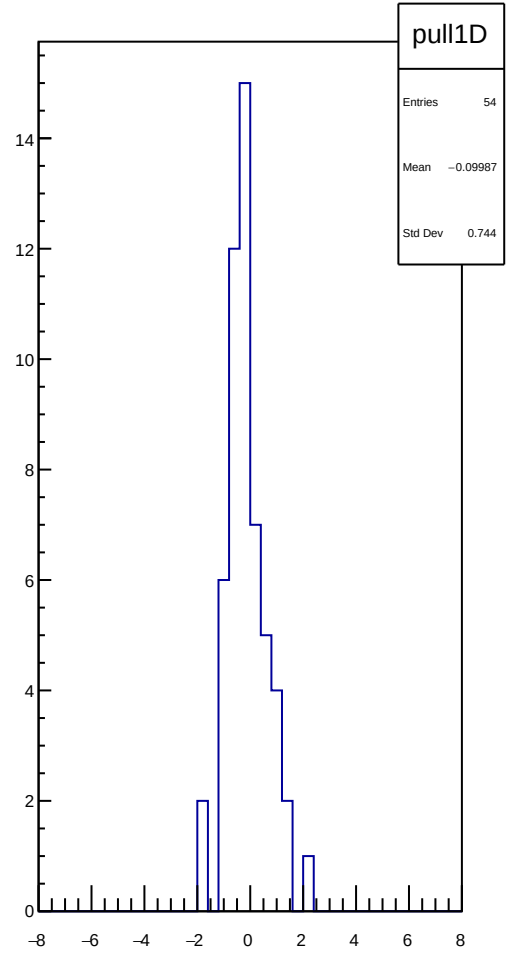

reg_asym_at2_avg_diff_bpm12X_slope vs run
χ² / ndf 15.71 / 53
p0 −221.9 ± 0.8756
pull
Entries 54
Mean −107.4
Std Dev 0

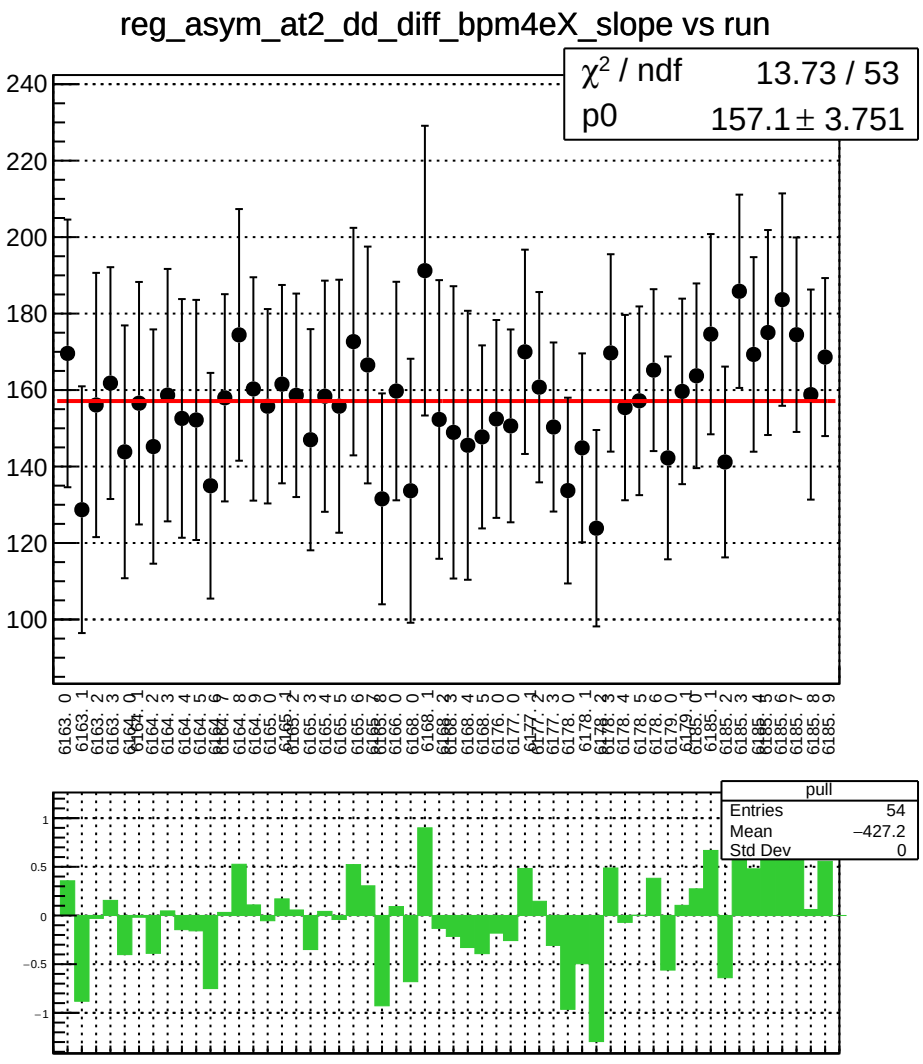

pull1D
Entries 54
Mean 0.03482
Std Dev 0.5382

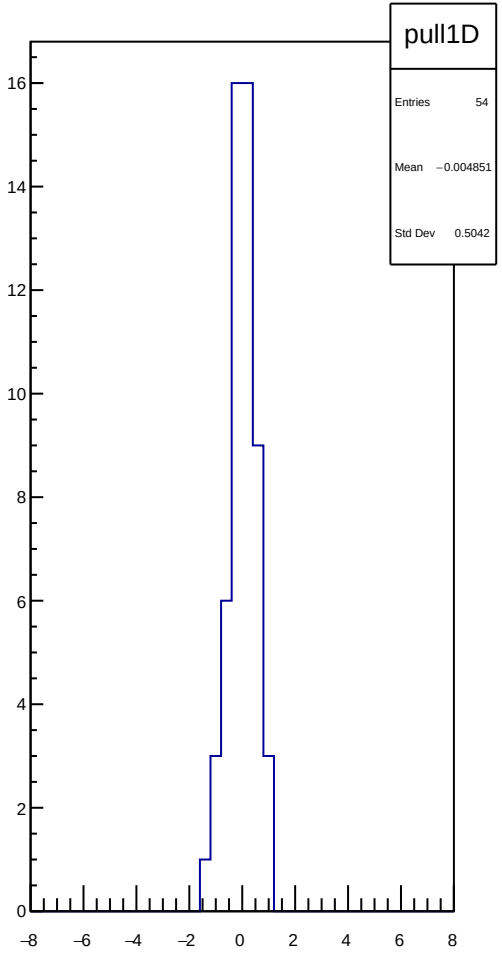

reg_asym_at2_dd_diff_bpm1X_slope vs run
χ² / ndf 14.65 / 53
p0 −59.58 ± 3.231
pull
Entries 54
Mean −750.8
Std Dev 0

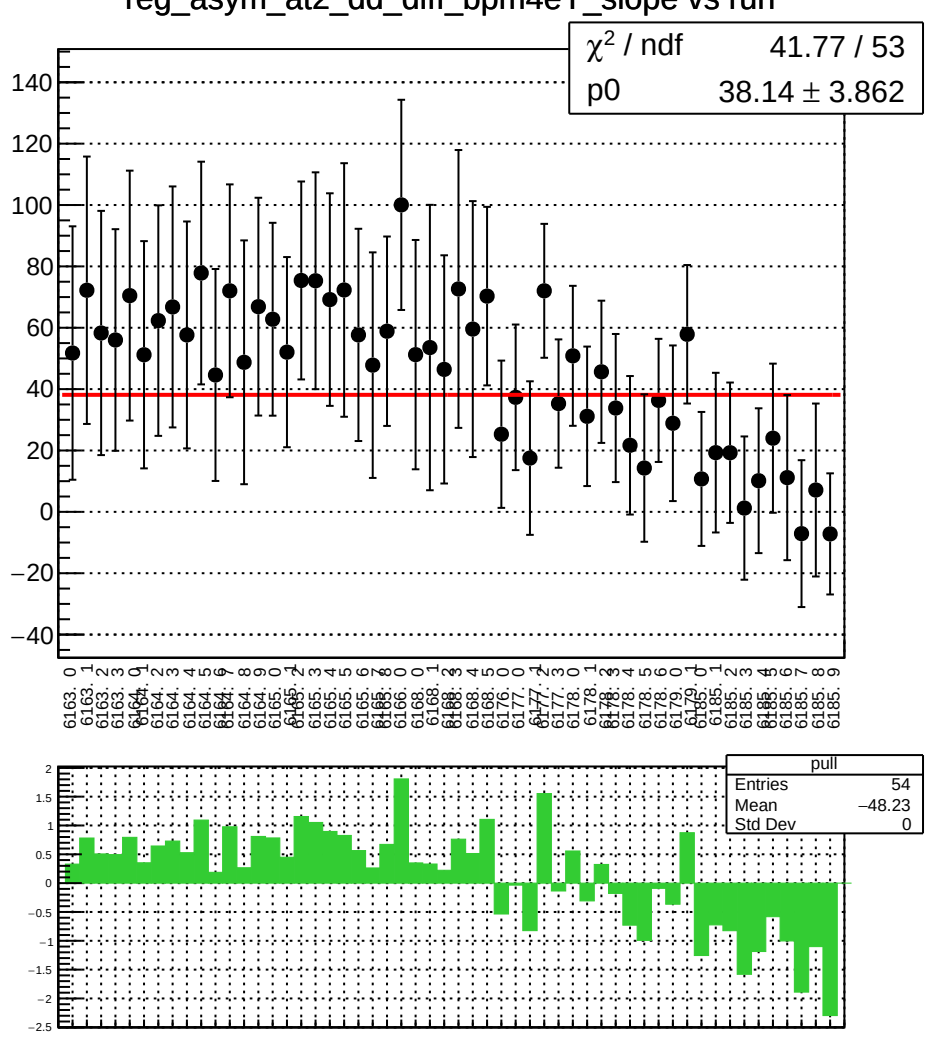

pull1D
Entries 54
Mean 0.004407
Std Dev 0.5208

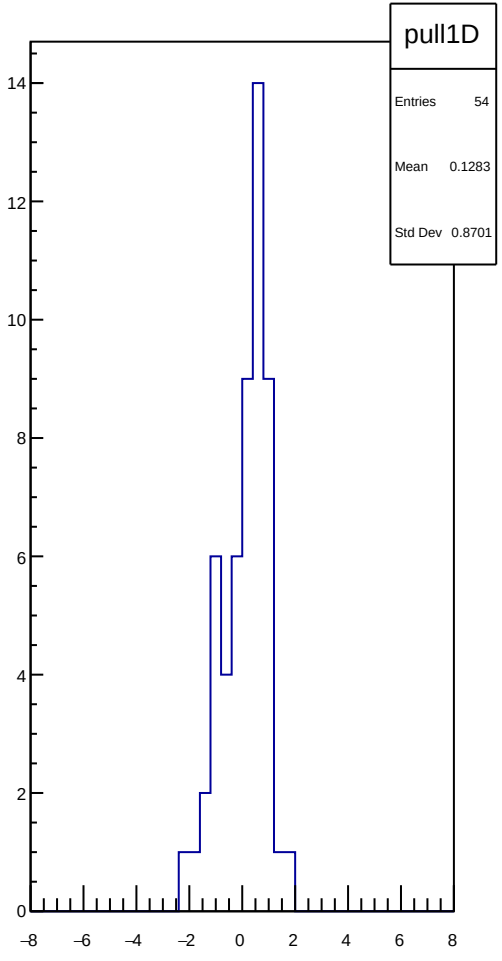

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ² / ndf 30.43 / 53
p0 −14.06 ± 3.446
pull
Entries 54
Mean −46.42
Std Dev 0

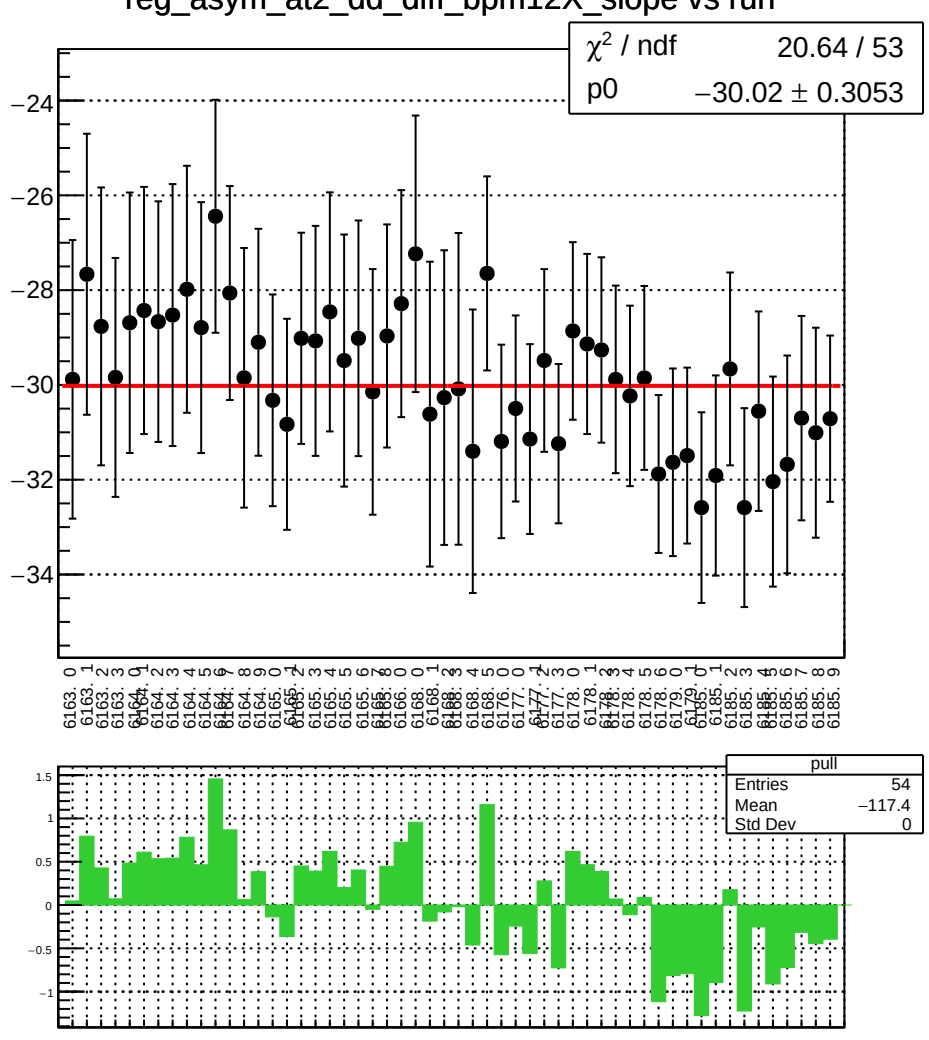

pull1D
Entries 54
Mean −0.09987
Std Dev 0.744

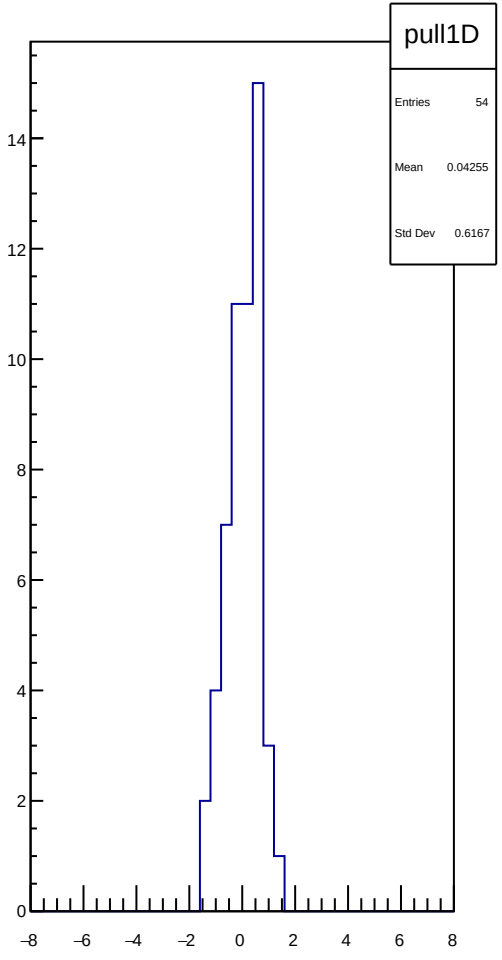

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ² / ndf 13.73 / 53
p0 157.1 ± 3.751
pull
Entries 54
Mean −427.2
Std Dev 0

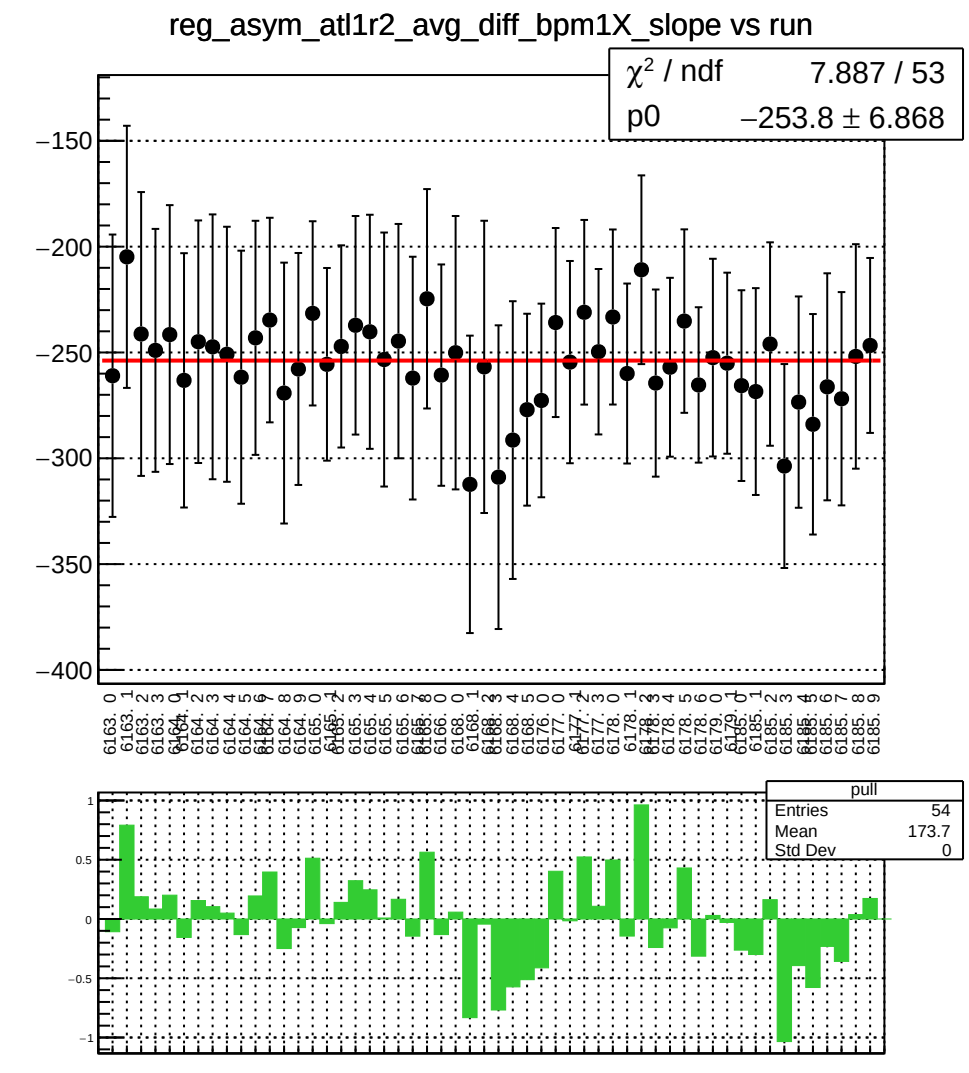

pull1D
Entries 54
Mean −0.004851
Std Dev 0.5042

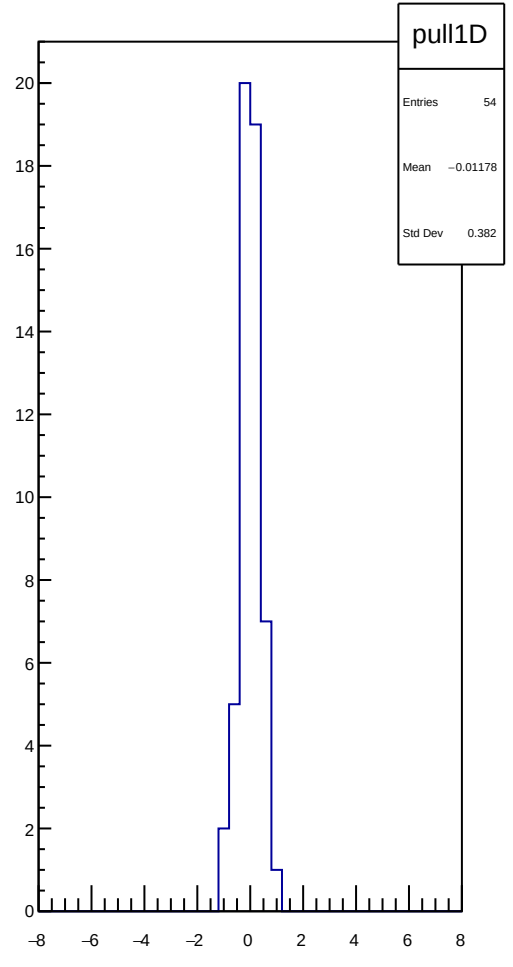

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ² / ndf 41.77 / 53
p0 38.14 ± 3.862
pull
Entries 54
Mean −48.23
Std Dev 0

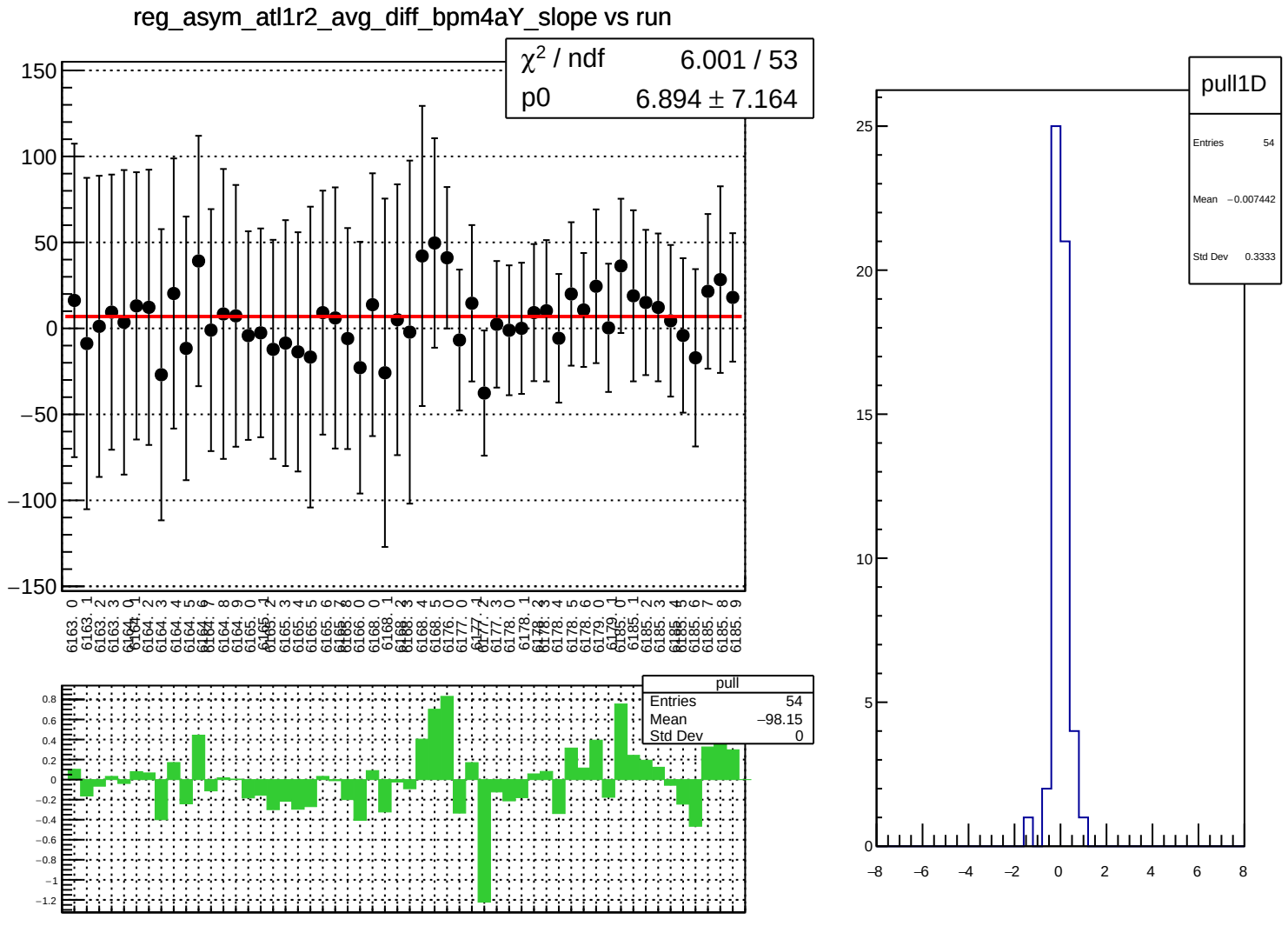

pull1D
Entries 54
Mean 0.1283
Std Dev 0.8701

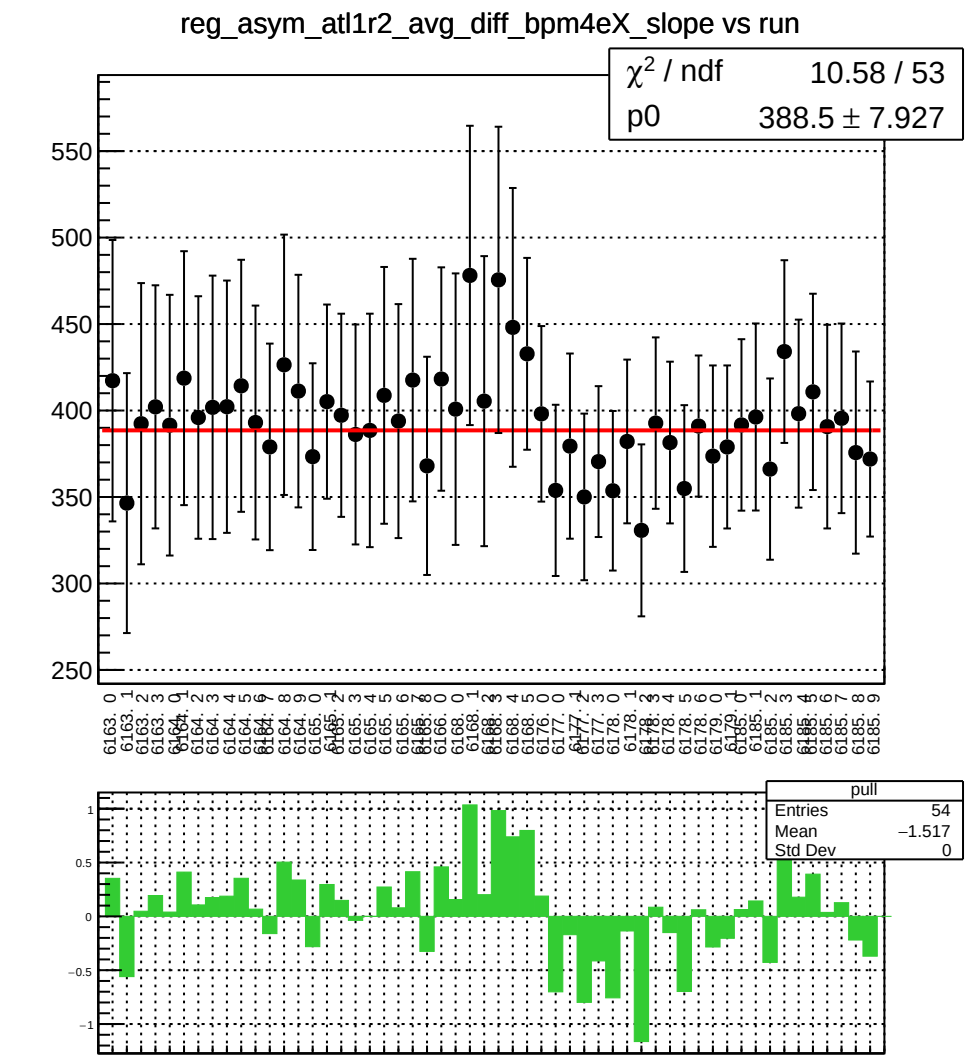

reg_asym_at2_dd_diff_bpm12X_slope vs run
χ² / ndf 20.64 / 53
p0 −30.02 ± 0.3053
pull
Entries 54
Mean −117.4
Std Dev 0

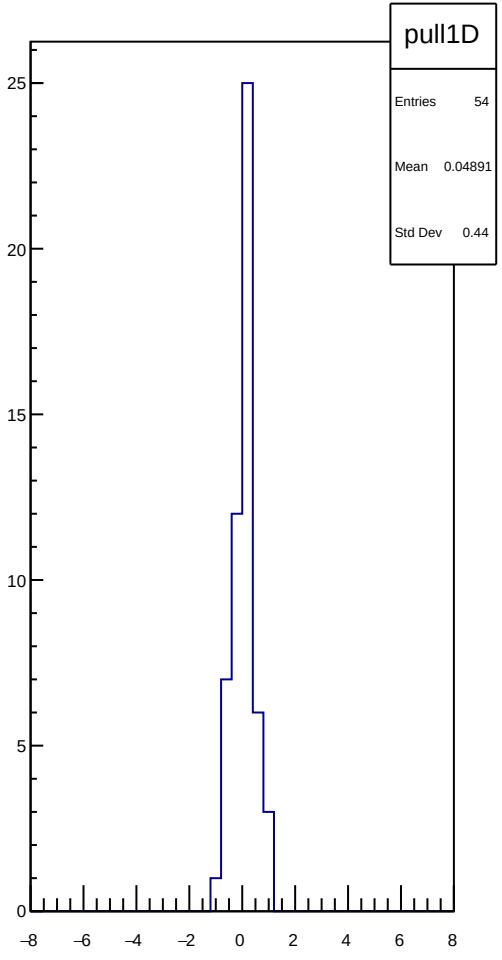

pull1D
Entries 54
Mean 0.04255
Std Dev 0.6167

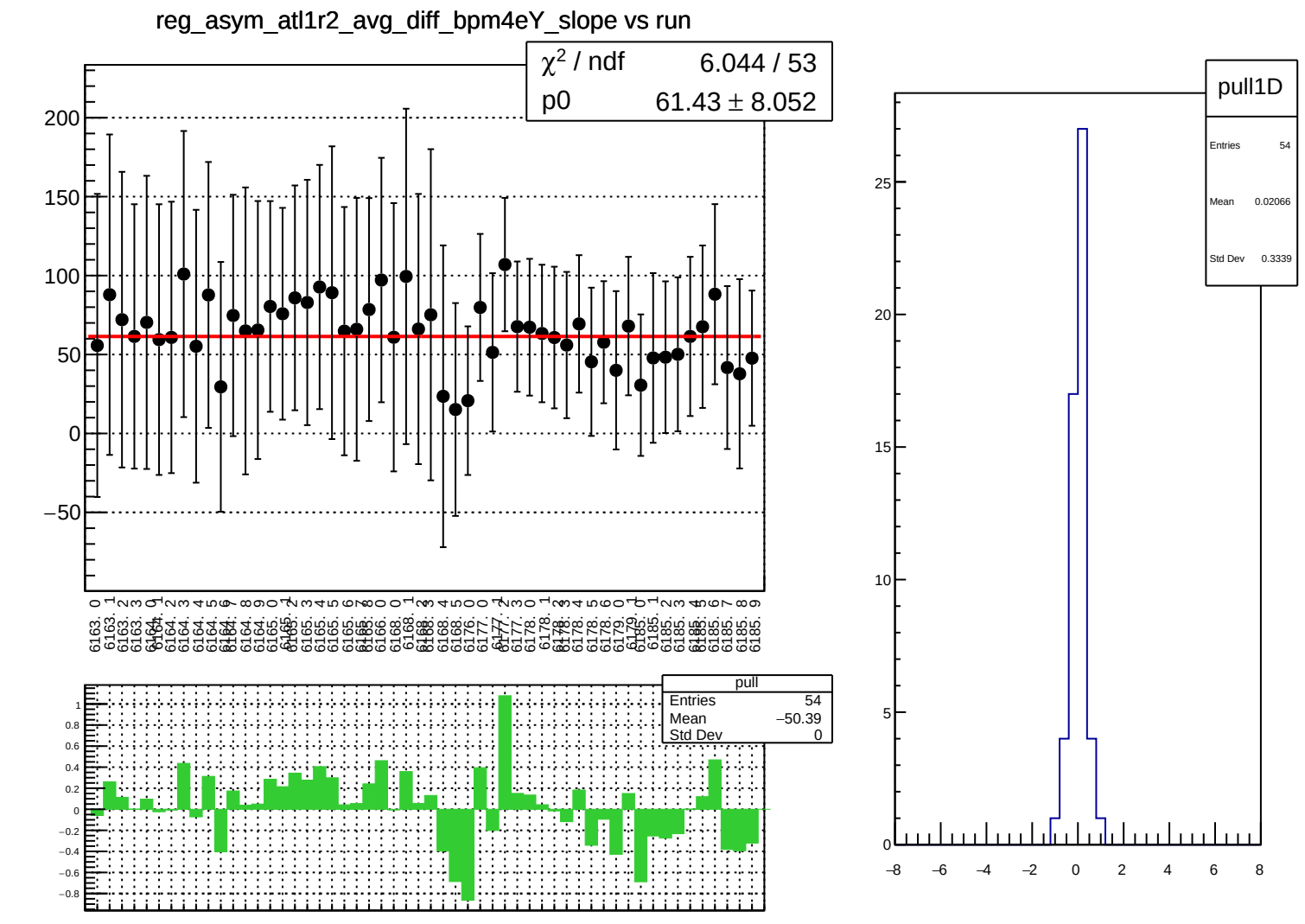

reg_asym_atl1r2_avg_diff_bpm1X_slope vs run
χ² / ndf 7.887 / 53
p0 −253.8 ± 6.868
pull
Entries 54
Mean 173.7
Std Dev 0

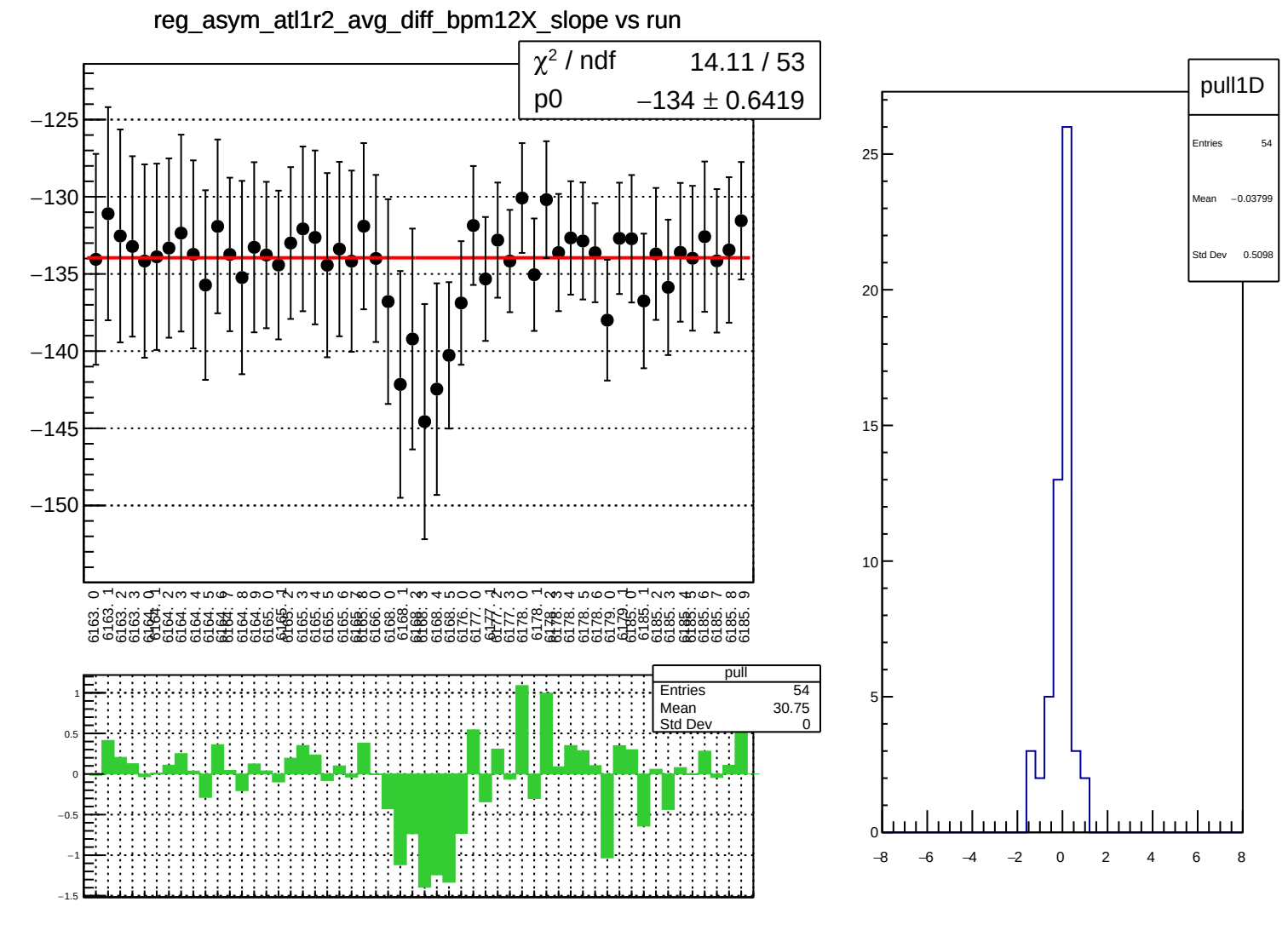

pull1D
Entries 54
Mean −0.01178
Std Dev 0.382

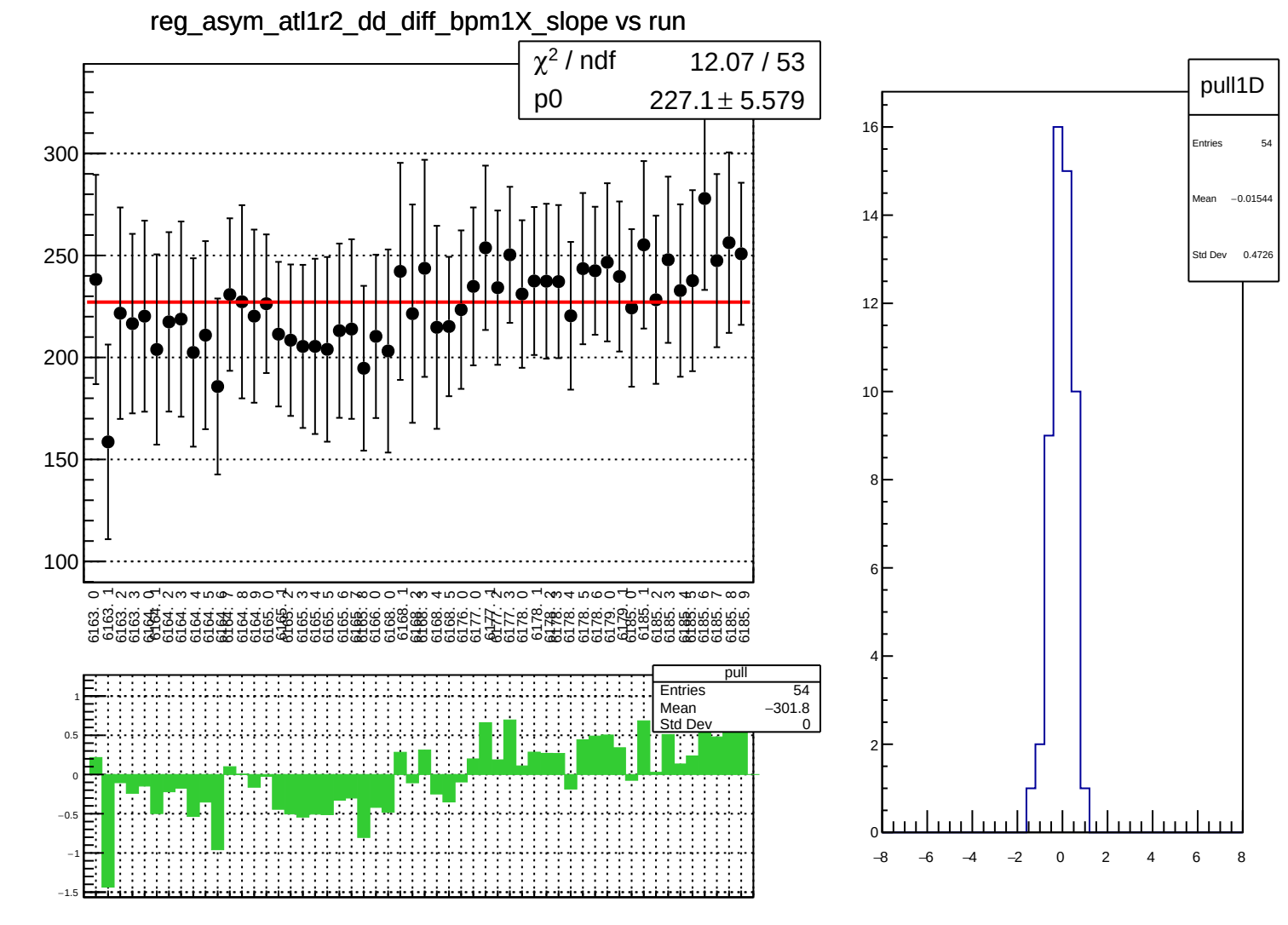

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ² / ndf 6.001 / 53
p0 6.894 ± 7.164
pull
Entries 54
Mean −98.15
Std Dev 0
pull1D
Entries 54
Mean −0.007442
Std Dev 0.3333

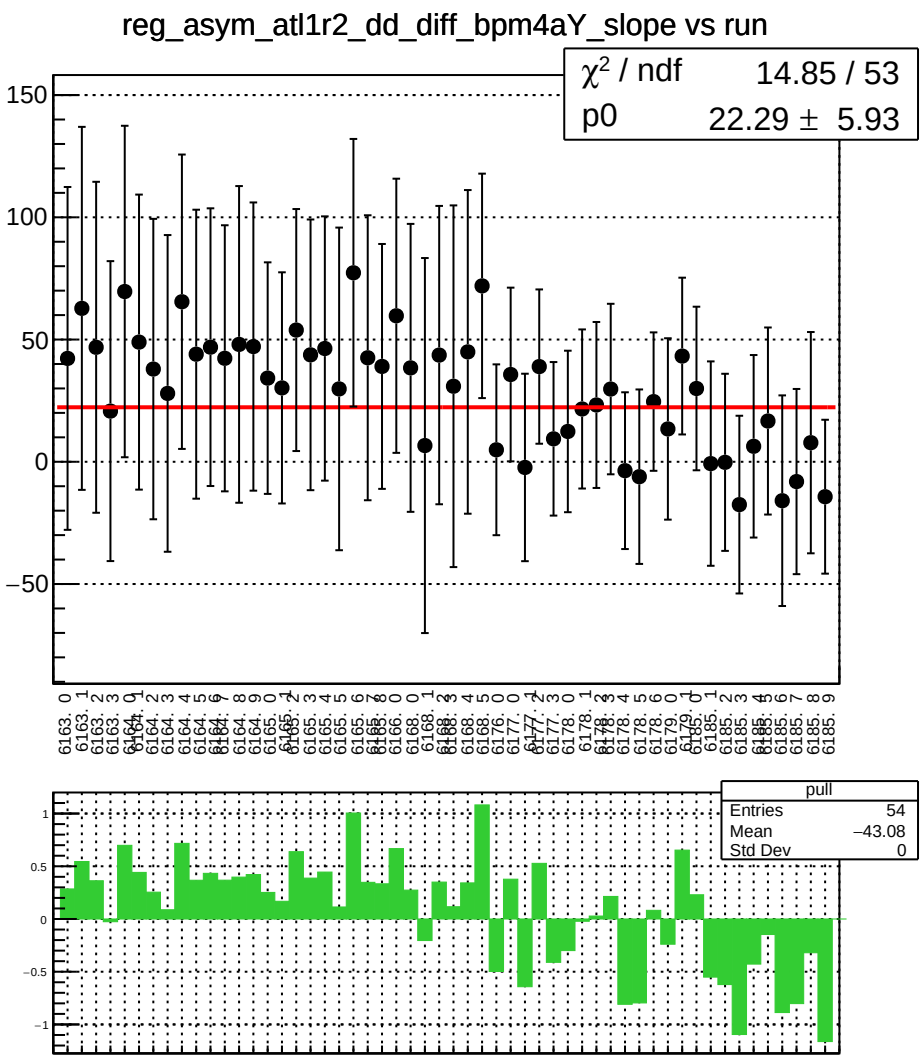

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 10.58 / 53
p0 388.5 ± 7.927
pull
Entries 54
Mean −1.517
Std Dev 0

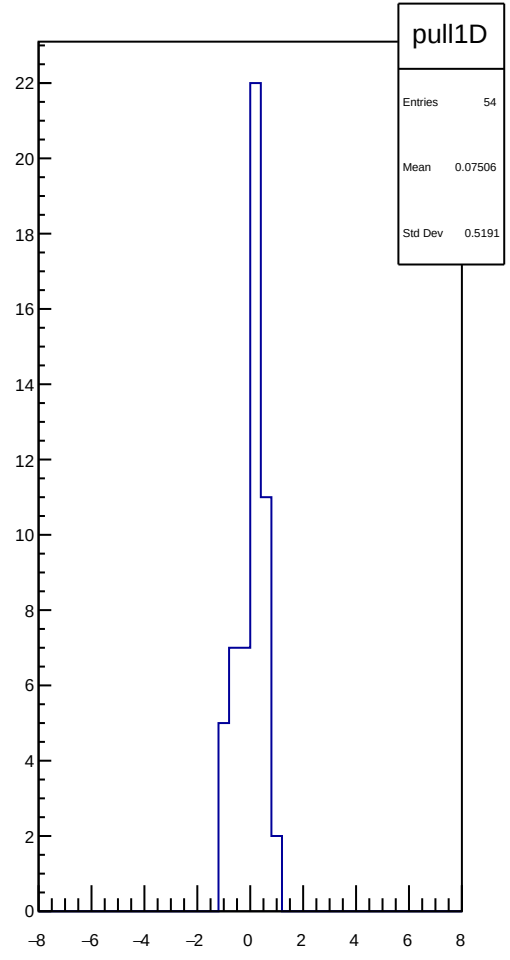

pull1D
Entries 54
Mean 0.04891
Std Dev 0.44

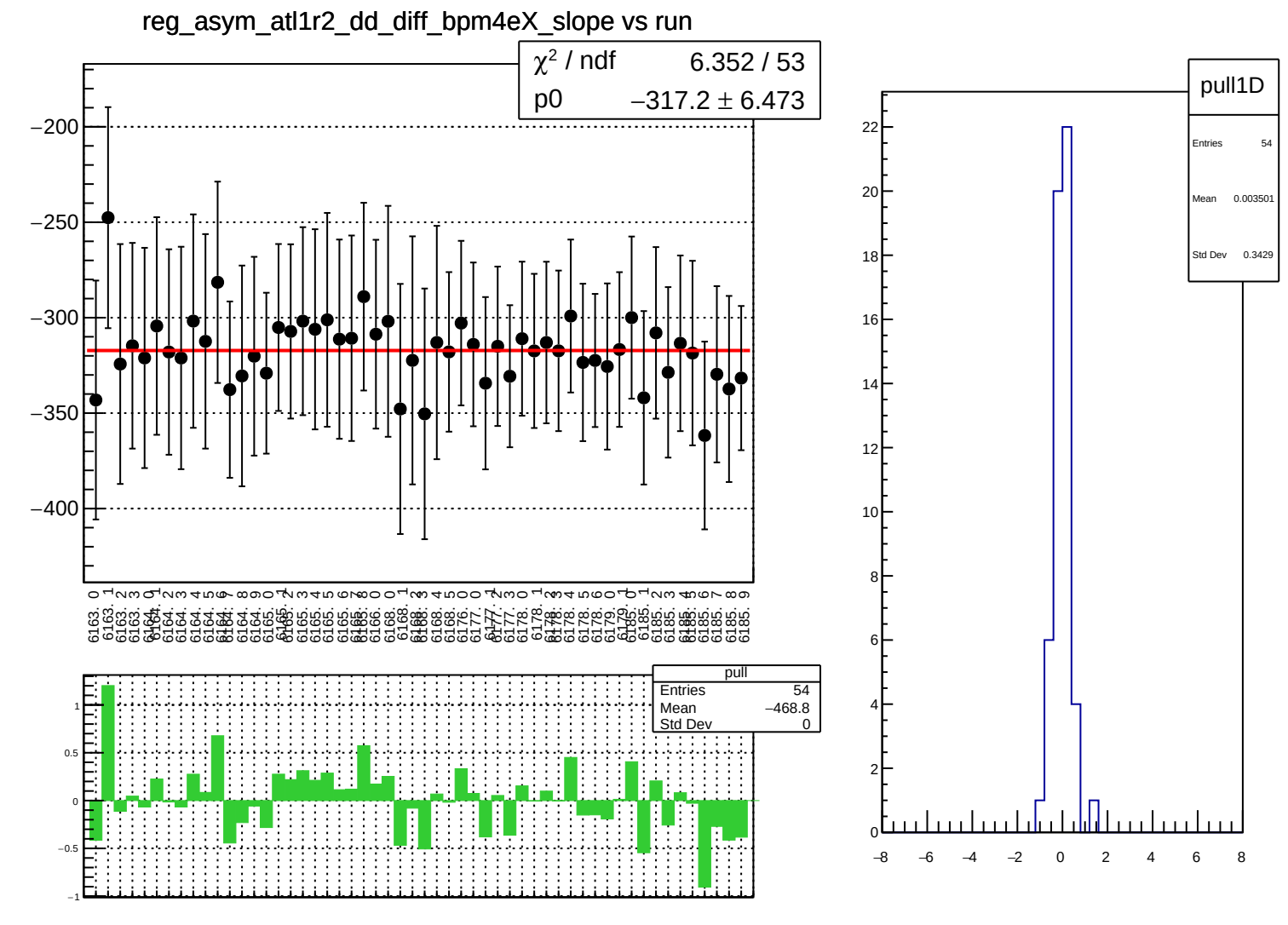

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ² / ndf 6.044 / 53
p0 61.43 ± 8.052
pull
Entries 54
Mean −50.39
Std Dev 0
pull1D
Entries 54
Mean 0.02066
Std Dev 0.3339

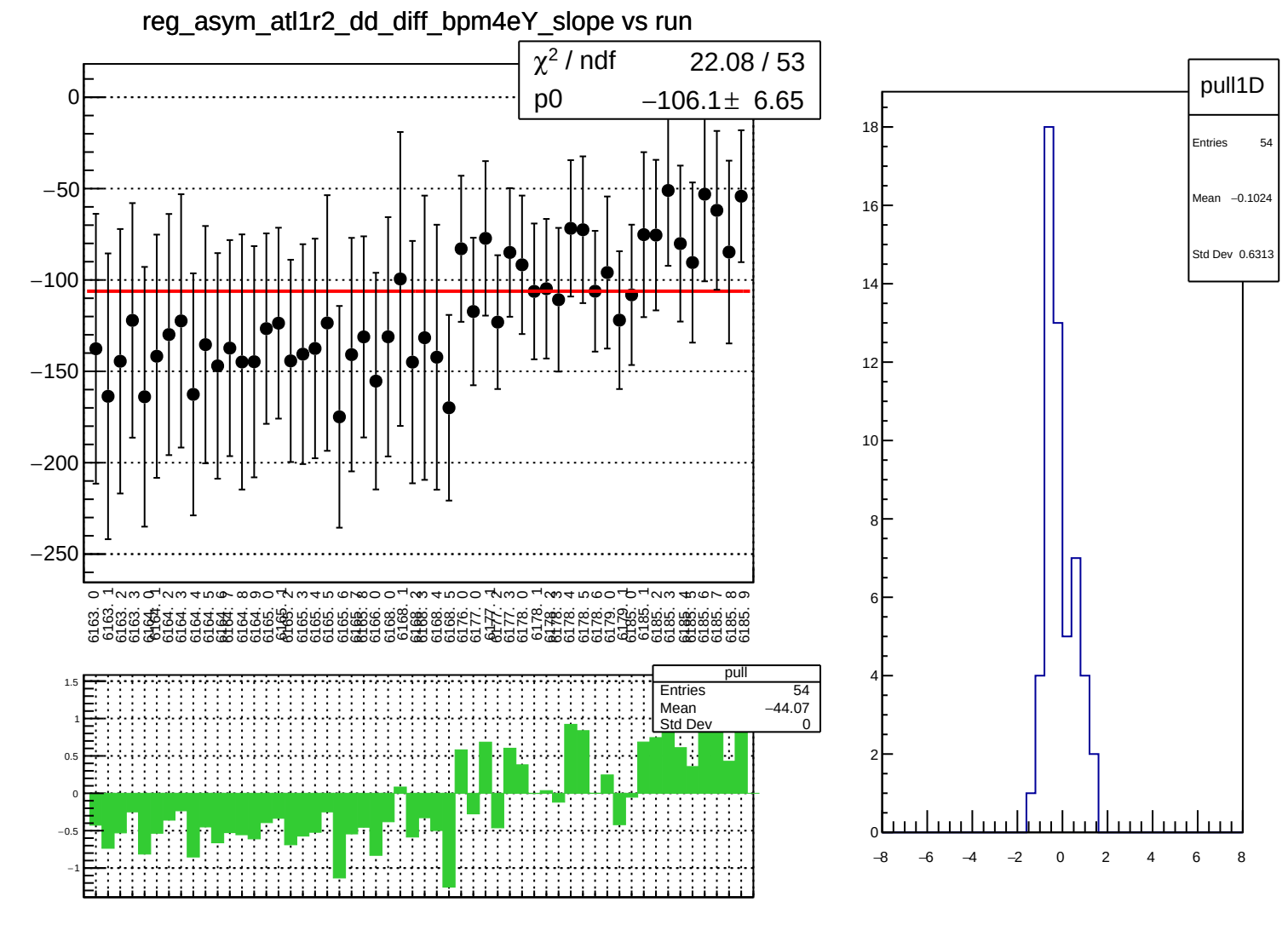

reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ² / ndf 14.11 / 53
p0 −134 ± 0.6419
pull
Entries 54
Mean 30.75
Std Dev 0
pull1D
Entries 54
Mean −0.03799
Std Dev 0.5098

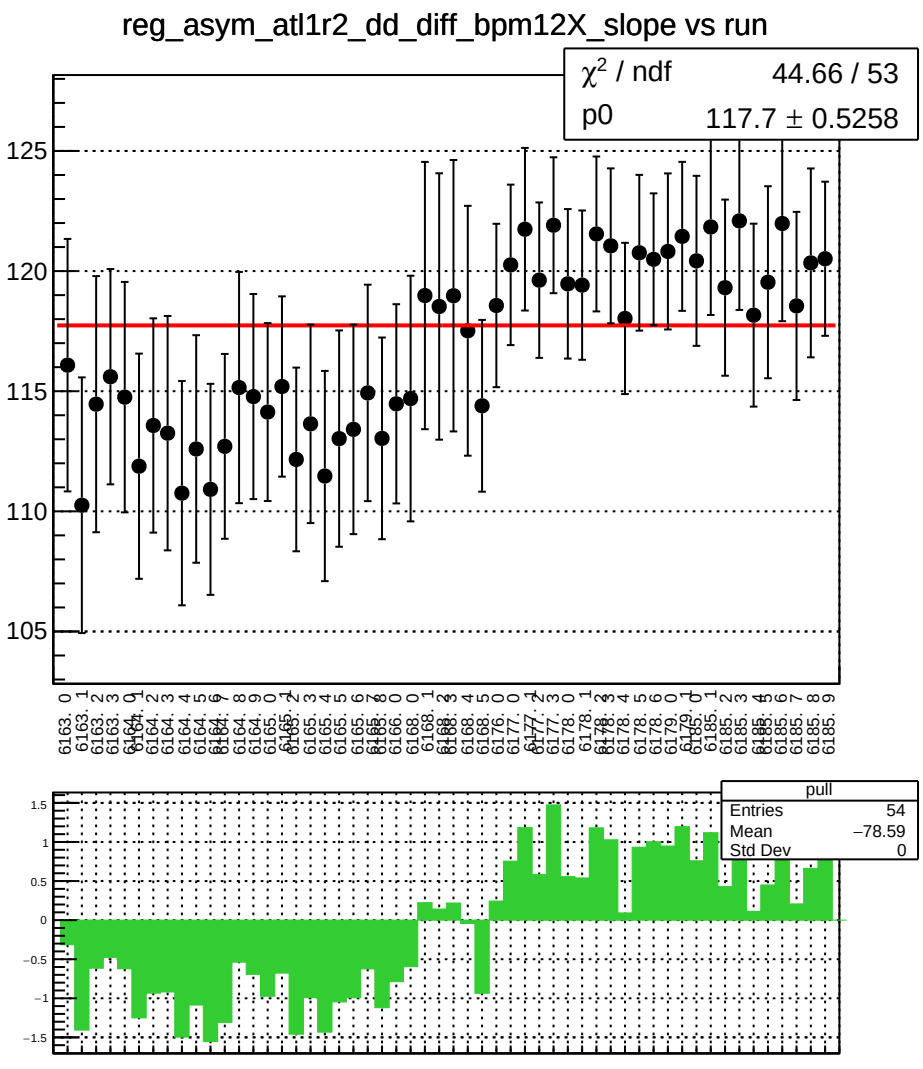

reg_asym_atl1r2_dd_diff_bpm1X_slope vs run
χ² / ndf 12.07 / 53
p0 227.1 ± 5.579
pull
Entries 54
Mean −301.8
Std Dev 0
pull1D
Entries 54
Mean −0.01544
Std Dev 0.4726

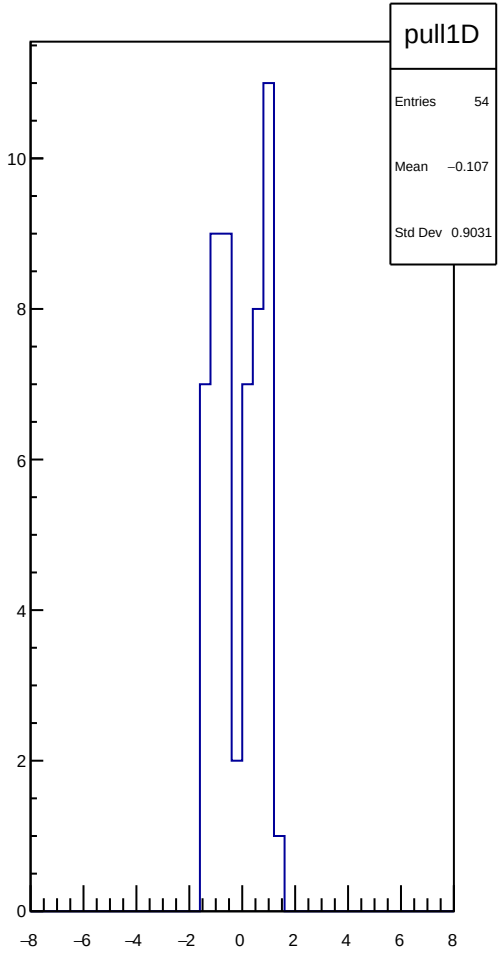

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 14.85 / 53
p0 22.29 ± 5.93
150
100
50
0
−50
pull
Entries 54
Mean −43.08
Std Dev 0
1
0.5
0
−0.5
−1

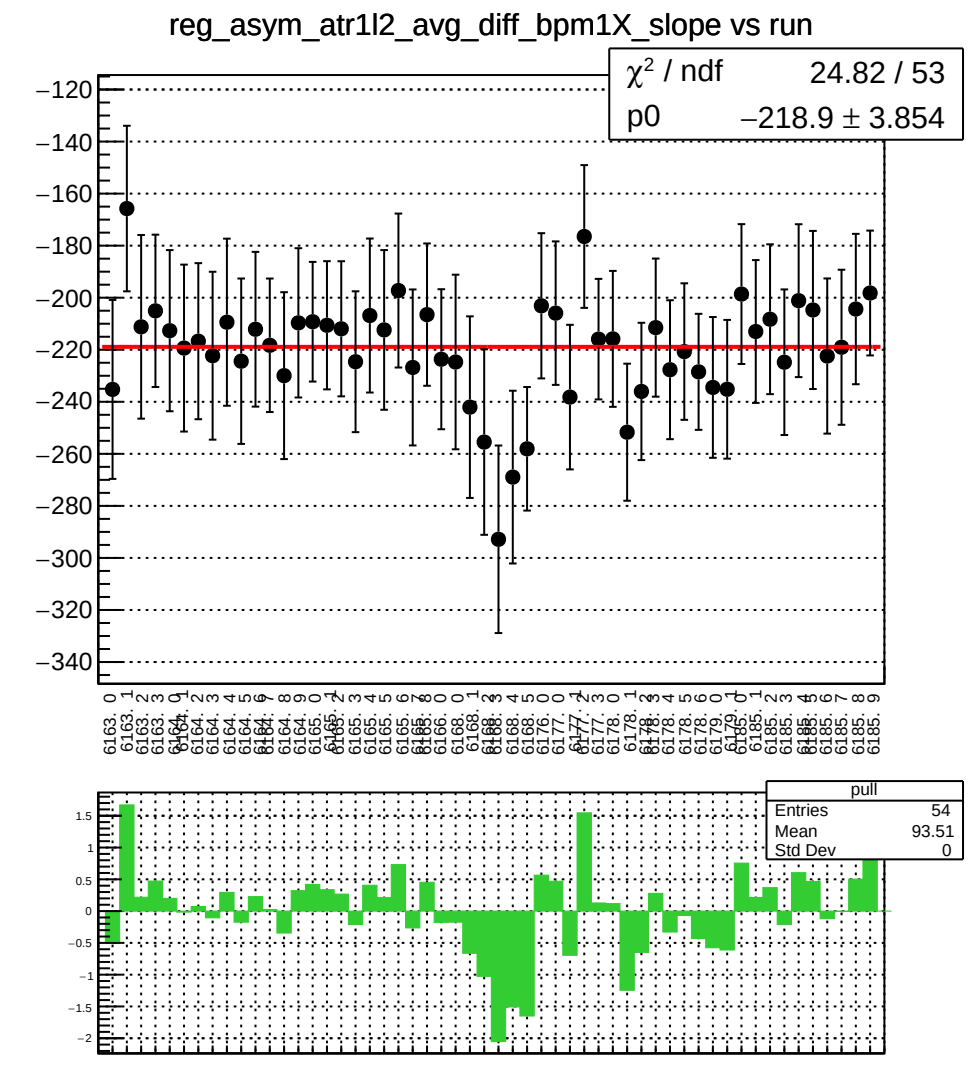

pull1D
Entries 54
Mean 0.07506
Std Dev 0.5191
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

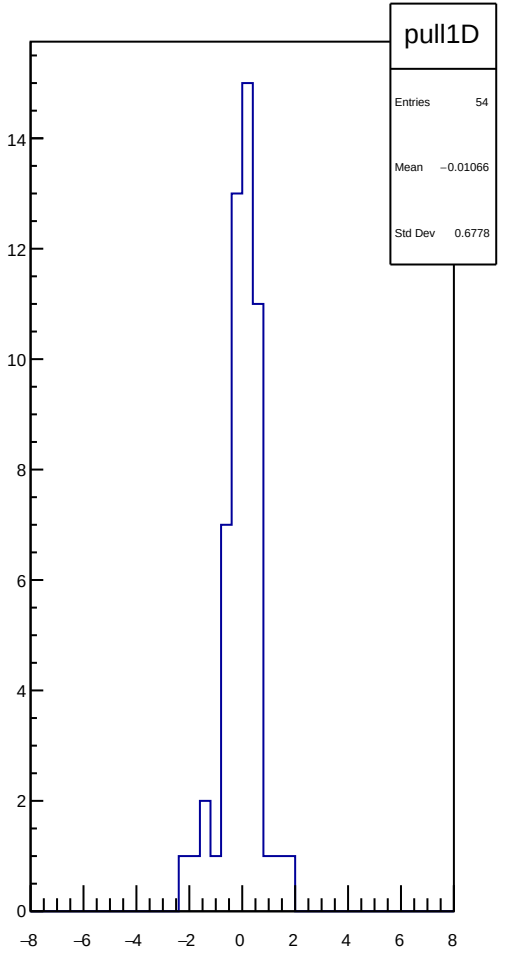

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ² / ndf 6.352 / 53
p0 −317.2 ± 6.473
pull
Entries 54
Mean −468.8
Std Dev 0
pull1D
Entries 54
Mean 0.003501
Std Dev 0.3429

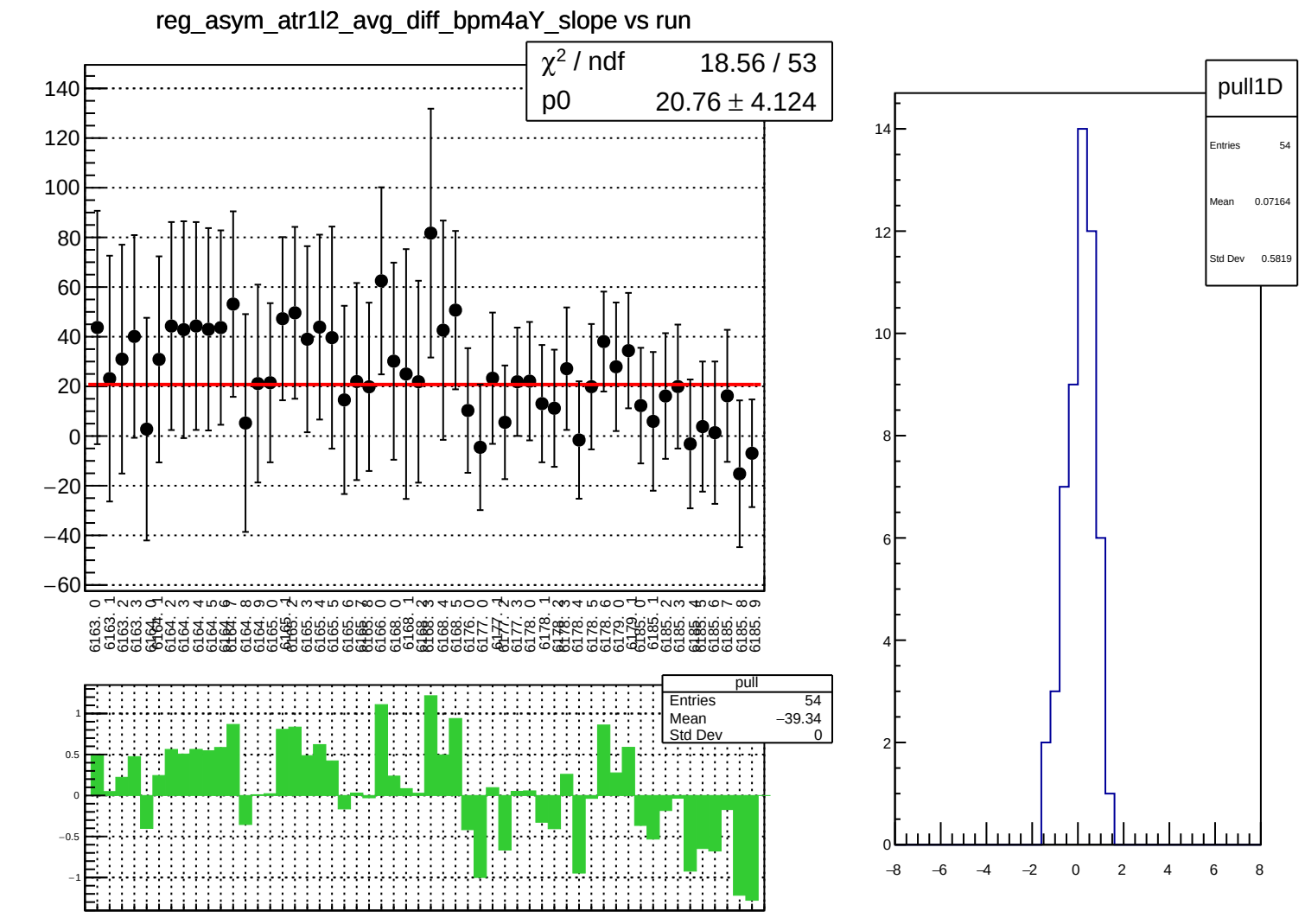

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 22.08 / 53
p0 −106.1± 6.65
pull
Entries 54
Mean −44.07
Std Dev 0
pull1D
Entries 54
Mean −0.1024
Std Dev 0.6313

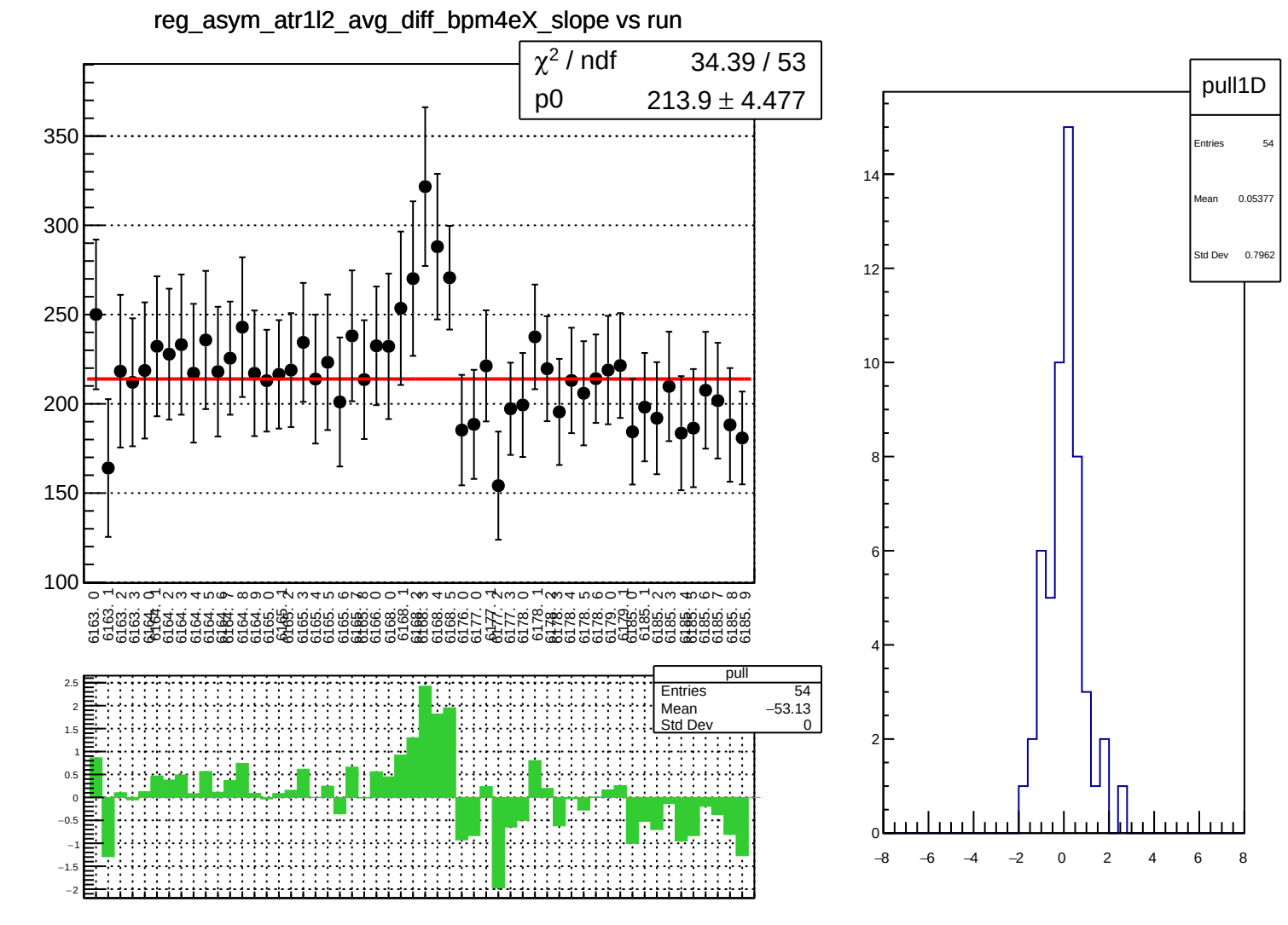

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ² / ndf 44.66 / 53
p0 117.7 ± 0.5258
125
120
115
110
105
pull
Entries 54
Mean −78.59
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

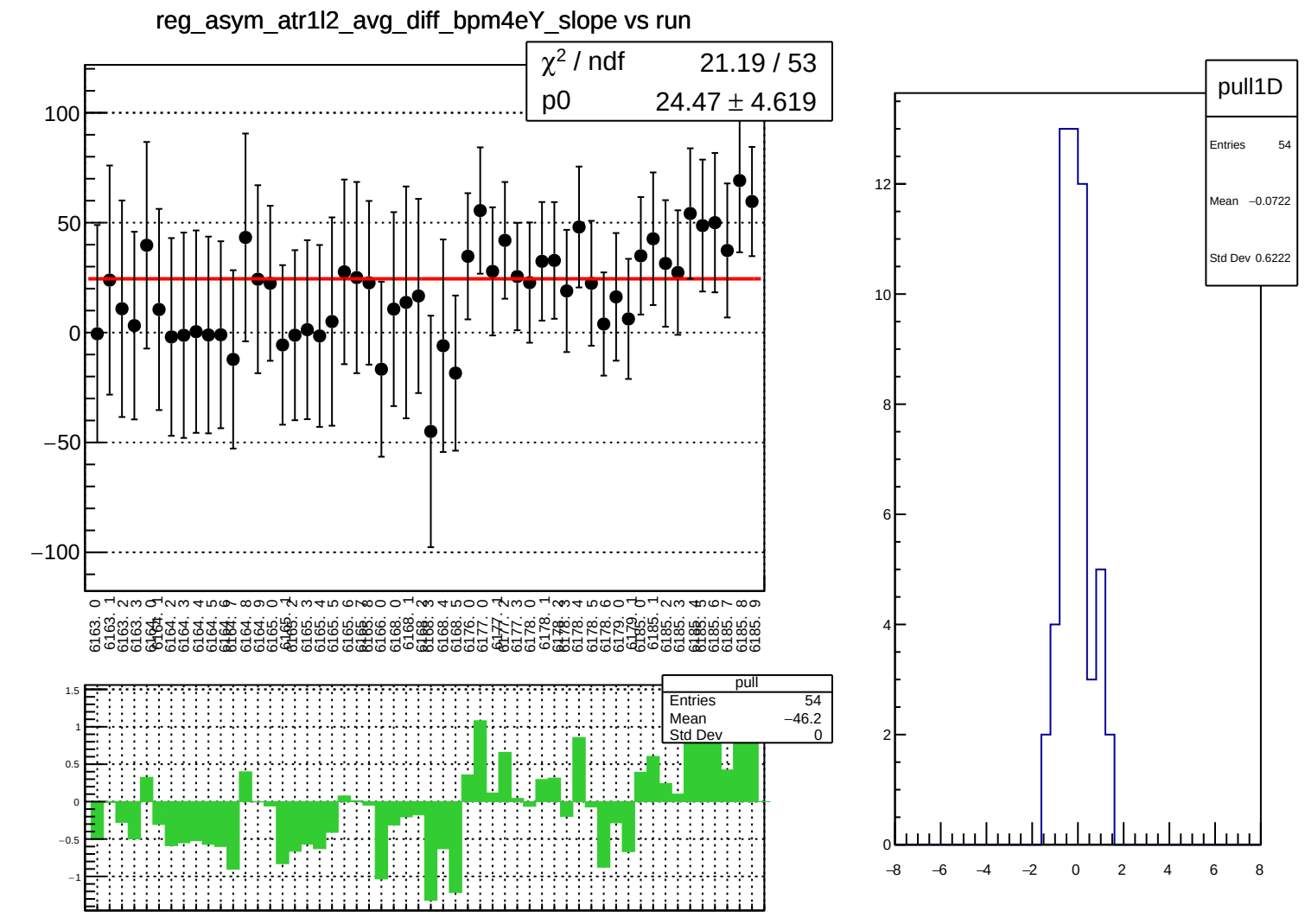

pull1D
Entries 54
Mean −0.107
Std Dev 0.9031
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

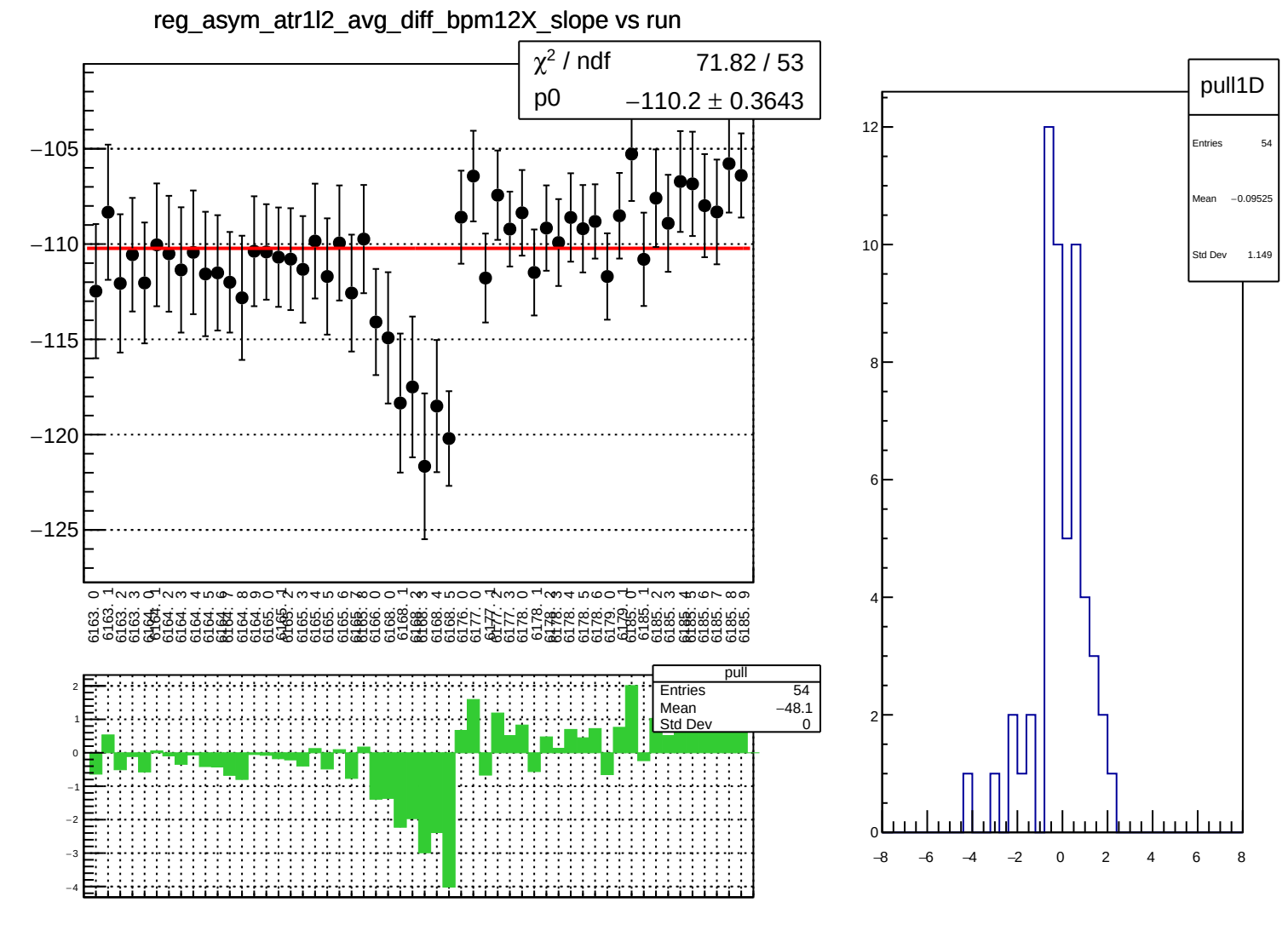

reg_asym_atr1l2_avg_diff_bpm1X_slope vs run
χ² / ndf 24.82 / 53
p0 −218.9 ± 3.854
pull
Entries 54
Mean 93.51
Std Dev 0

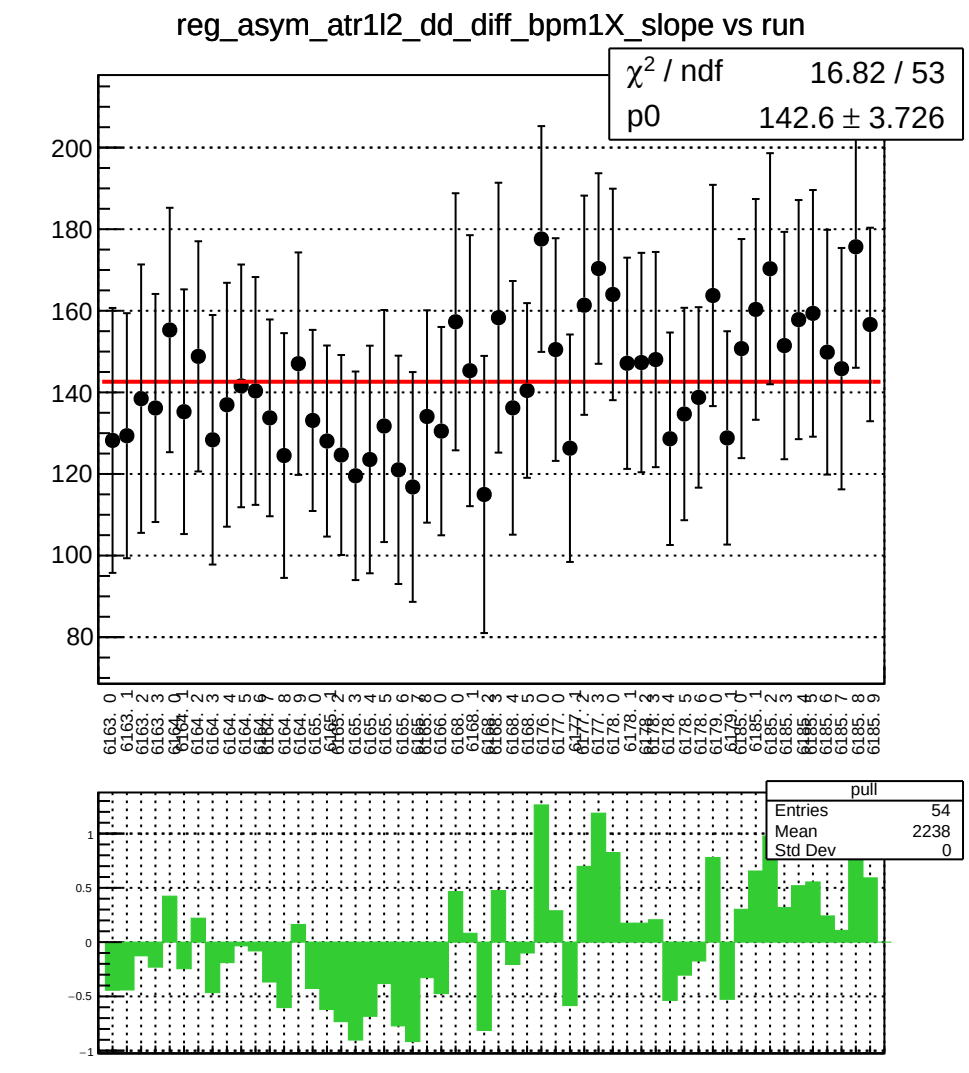

pull1D
Entries 54
Mean −0.01066
Std Dev 0.6778

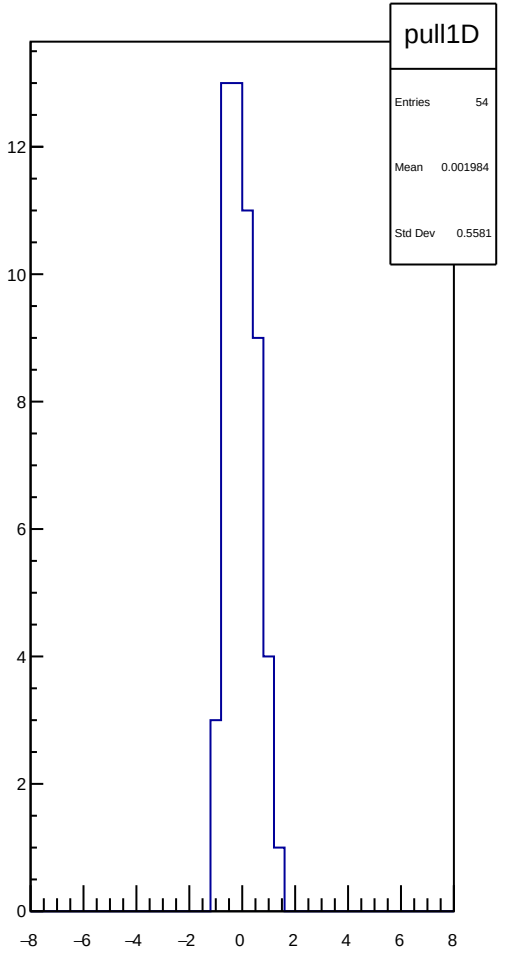

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ² / ndf 18.56 / 53
p0 20.76 ± 4.124
pull
Entries 54
Mean −39.34
Std Dev 0
pull1D
Entries 54
Mean 0.07164
Std Dev 0.5819

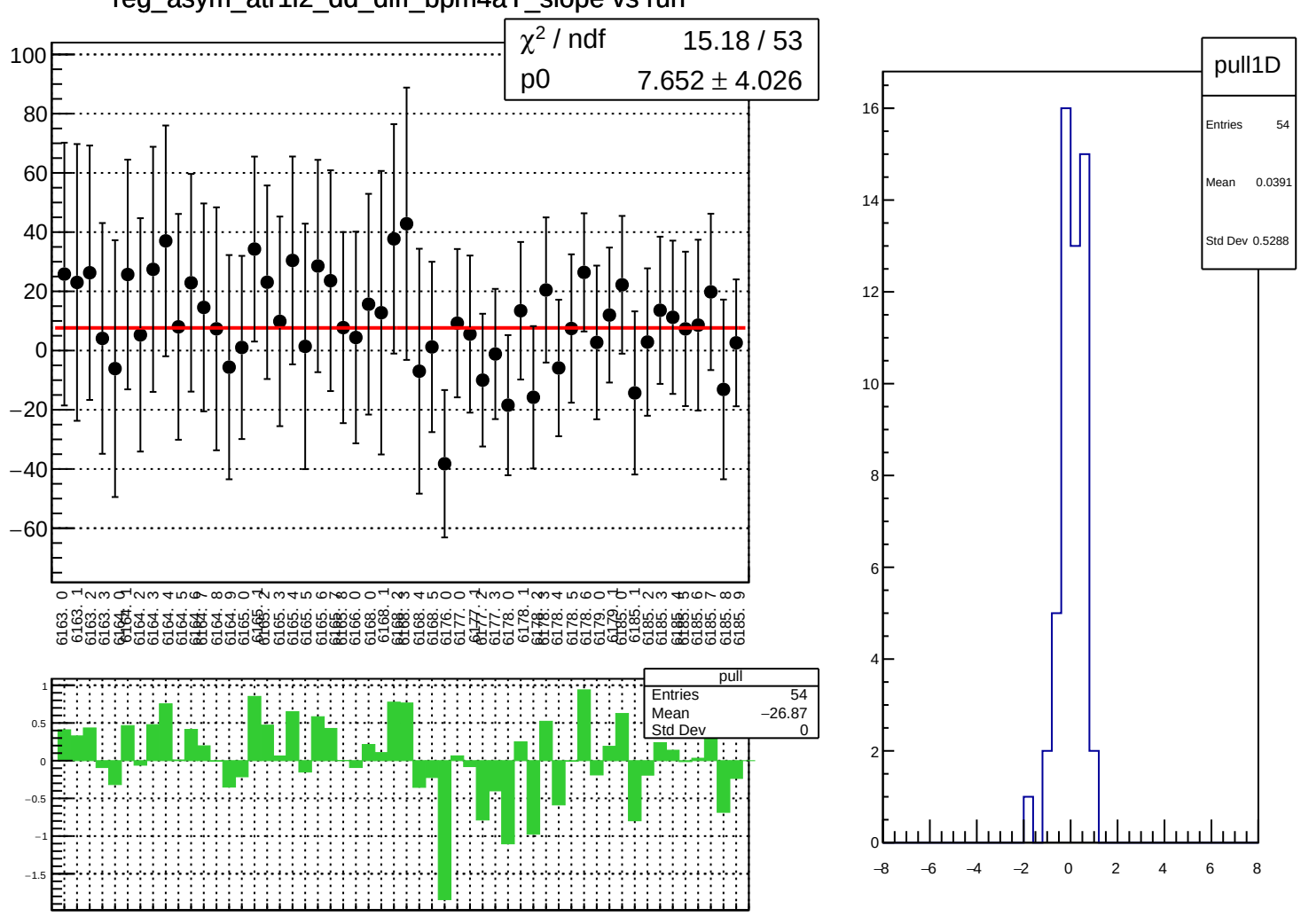

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ² / ndf 34.39 / 53
p0 213.9 ± 4.477
pull
Entries 54
Mean −53.13
Std Dev 0
pull1D
Entries 54
Mean 0.05377
Std Dev 0.7962

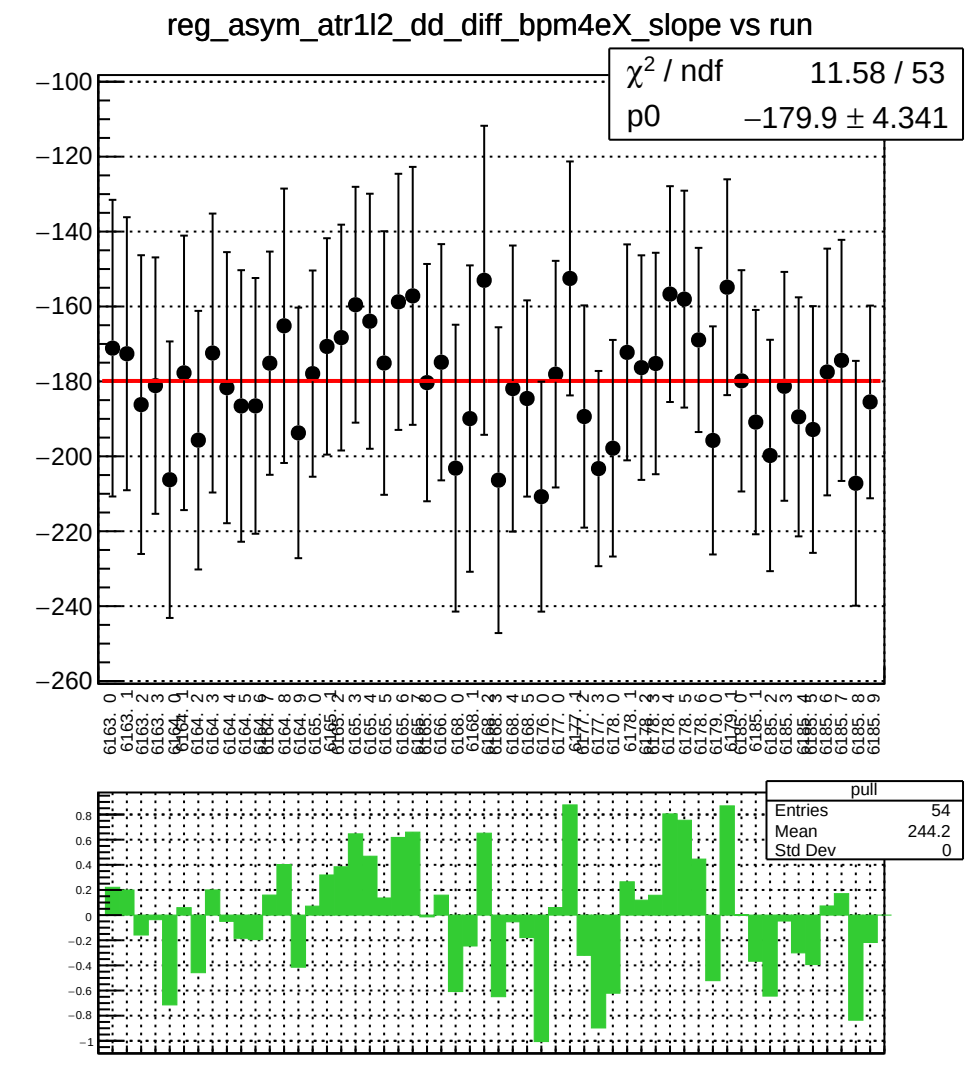

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 21.19 / 53
p0 24.47 ± 4.619
pull
Entries 54
Mean −46.2
Std Dev 0
pull1D
Entries 54
Mean −0.0722
Std Dev 0.6222

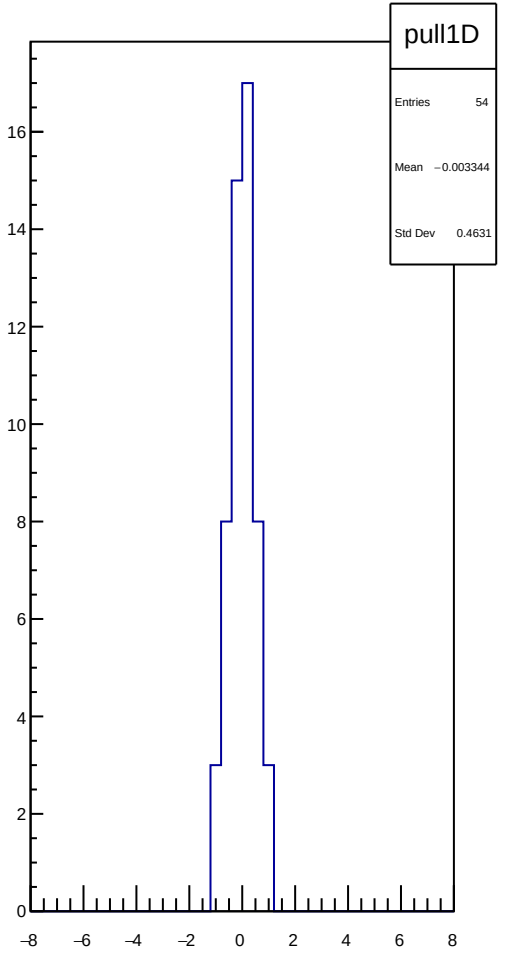

reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ² / ndf 71.82 / 53
p0 −110.2 ± 0.3643
−105
−110
−115
−120
−125
pull
Entries 54
Mean −48.1
Std Dev 0
pull1D
Entries 54
Mean −0.09525
Std Dev 1.149

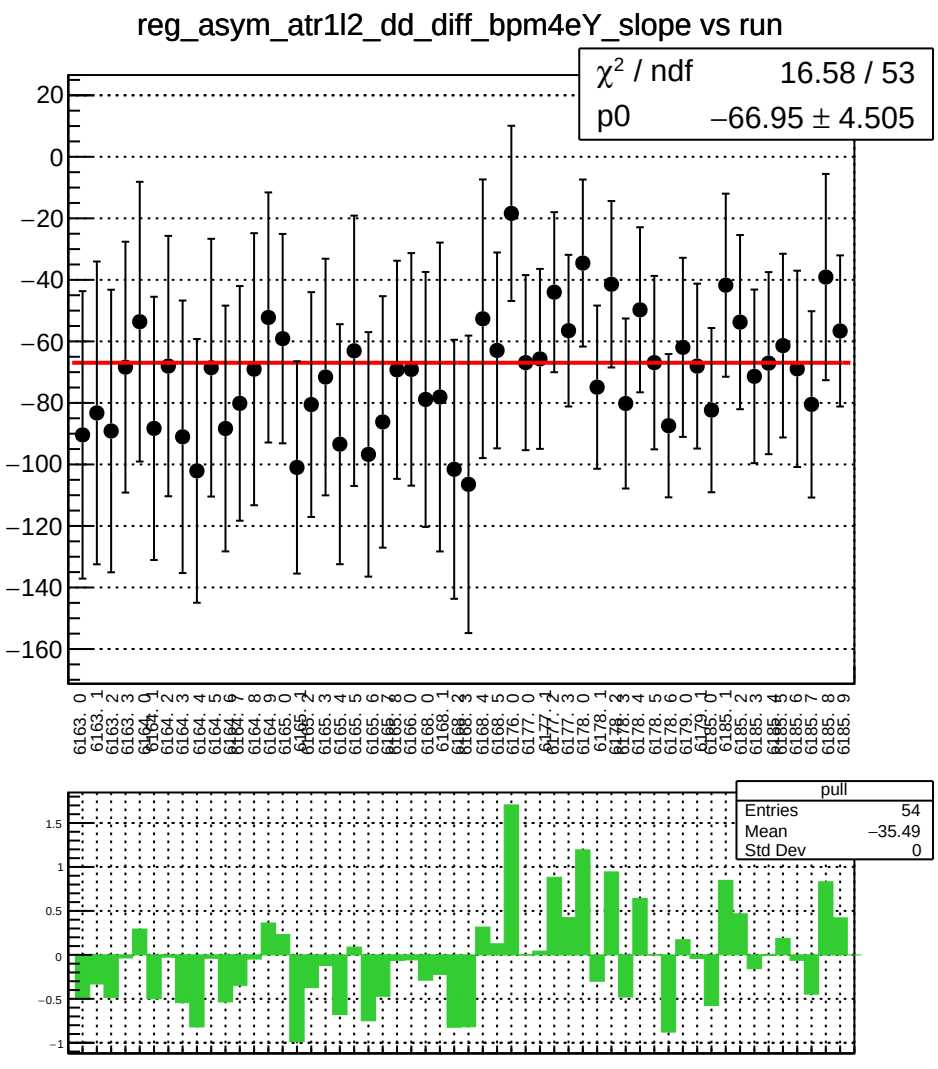

reg_asym_atr1l2_dd_diff_bpm1X_slope vs run
χ² / ndf 16.82 / 53
p0 142.6 ± 3.726
pull
Entries 54
Mean 2238
Std Dev 0

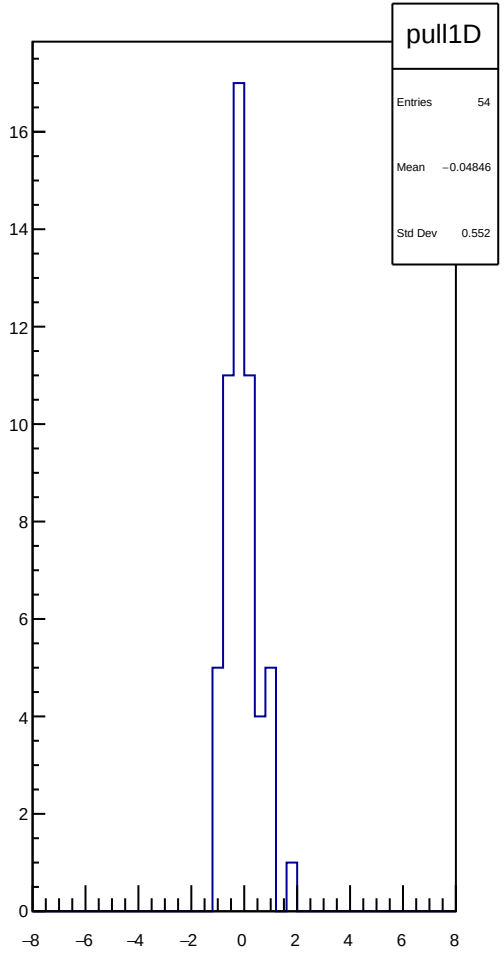

pull1D
Entries 54
Mean 0.001984
Std Dev 0.5581

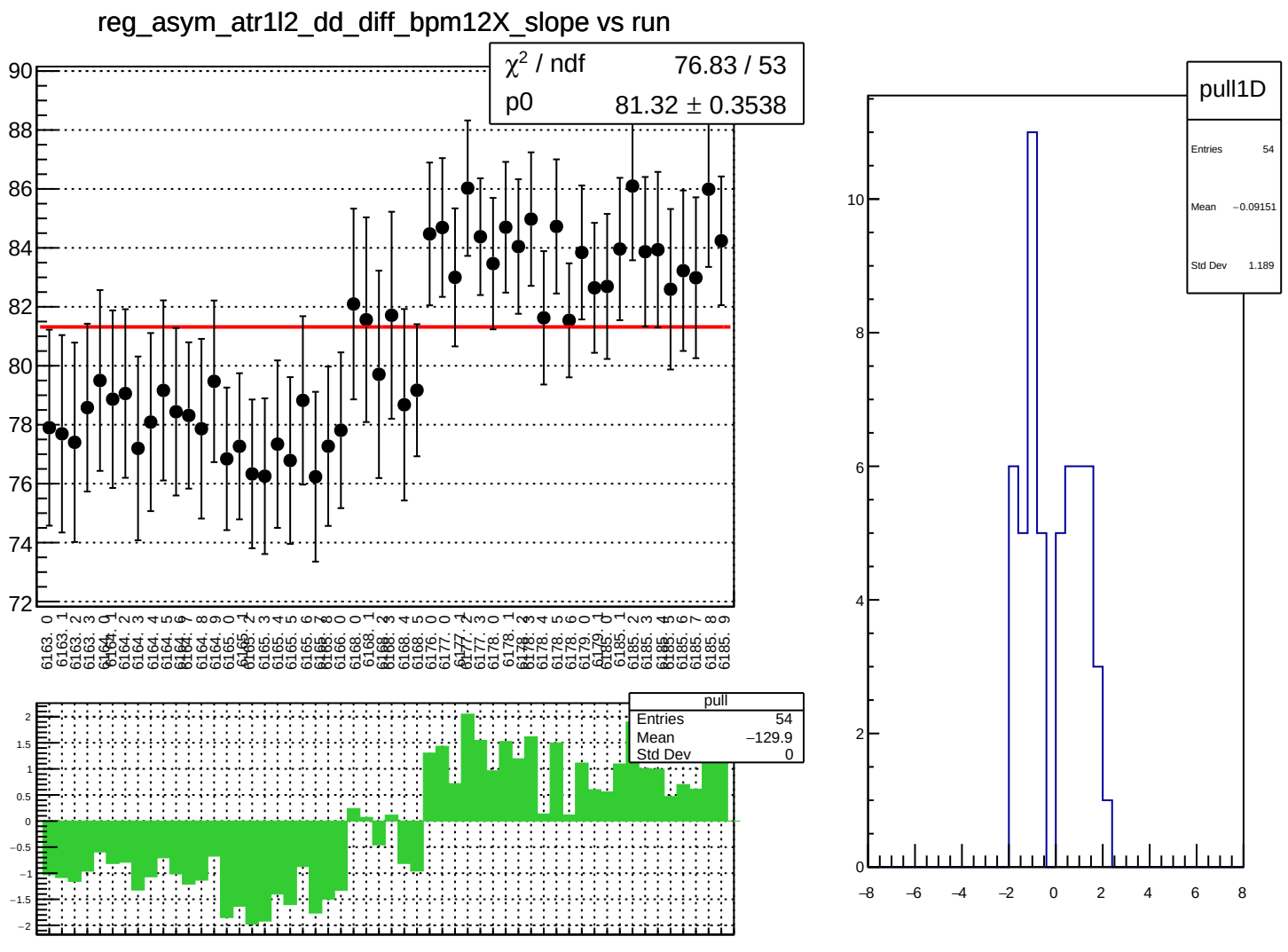

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 15.18 / 53
p0 7.652 ± 4.026
pull
Entries 54
Mean −26.87
Std Dev 0
pull1D
Entries 54
Mean 0.0391
Std Dev 0.5288

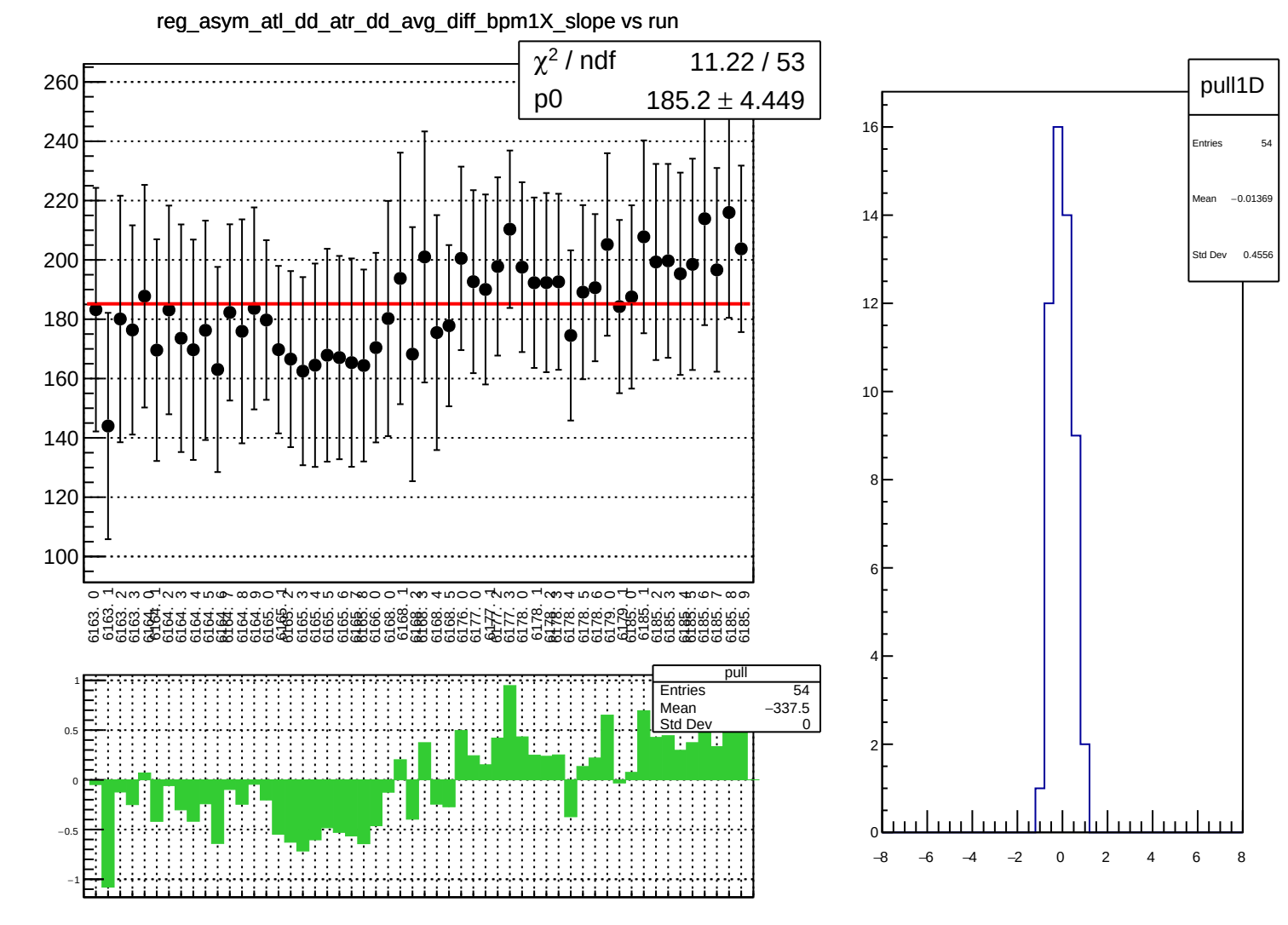

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ² / ndf 11.58 / 53
p0 −179.9 ± 4.341
pull
Entries 54
Mean 244.2
Std Dev 0

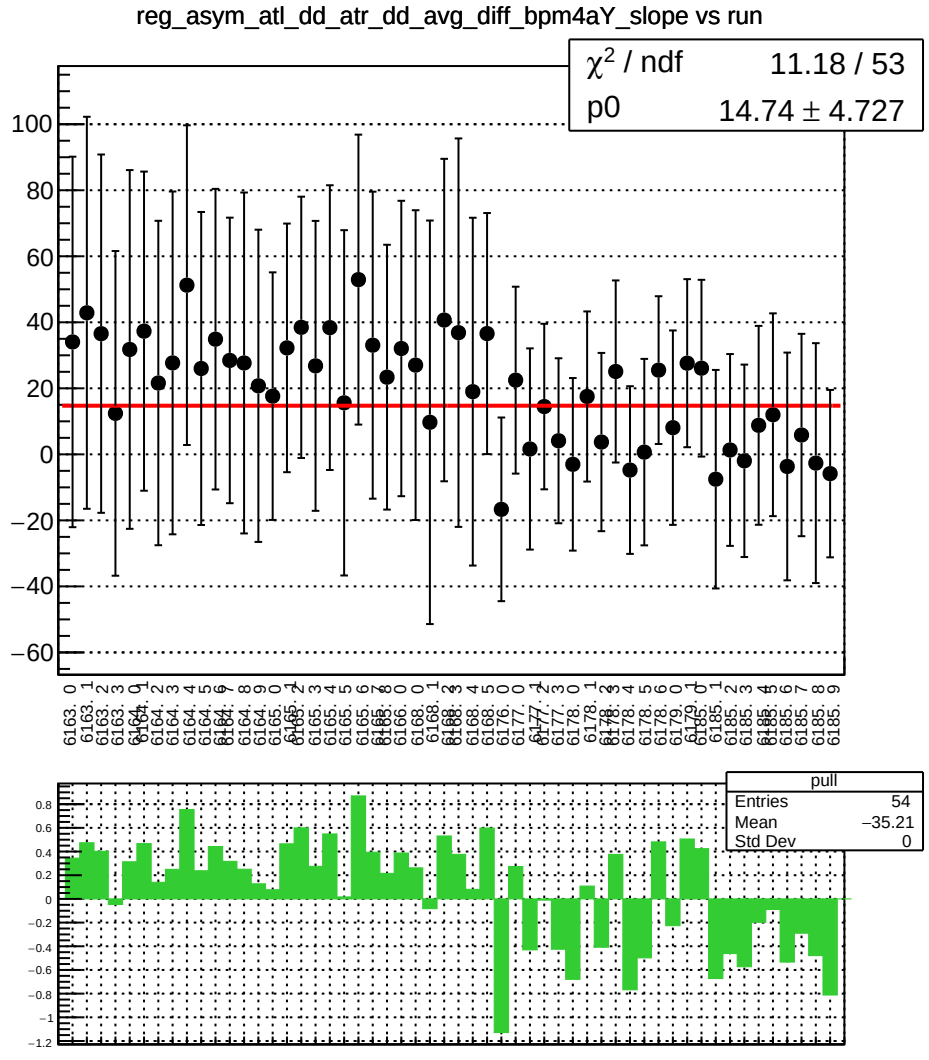

pull1D
Entries 54
Mean −0.003344
Std Dev 0.4631

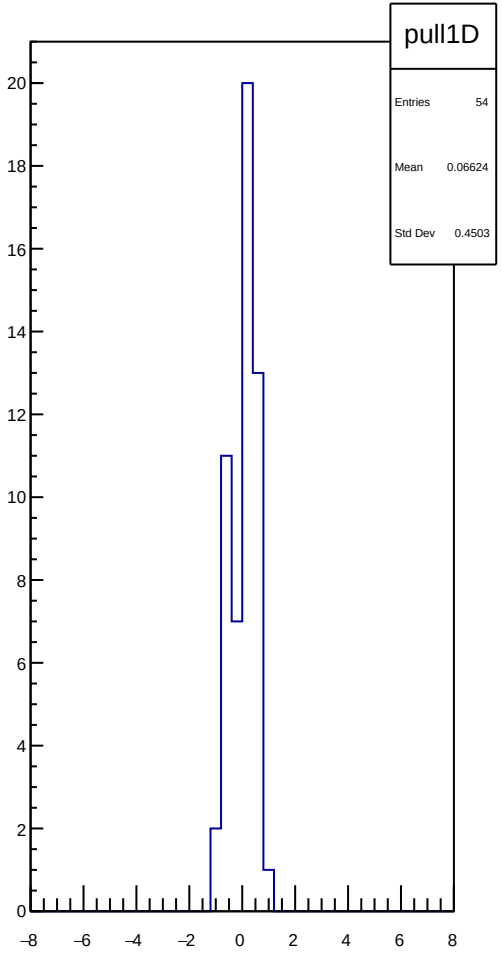

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 16.58 / 53
p0 −66.95 ± 4.505
pull
Entries 54
Mean −35.49
Std Dev 0

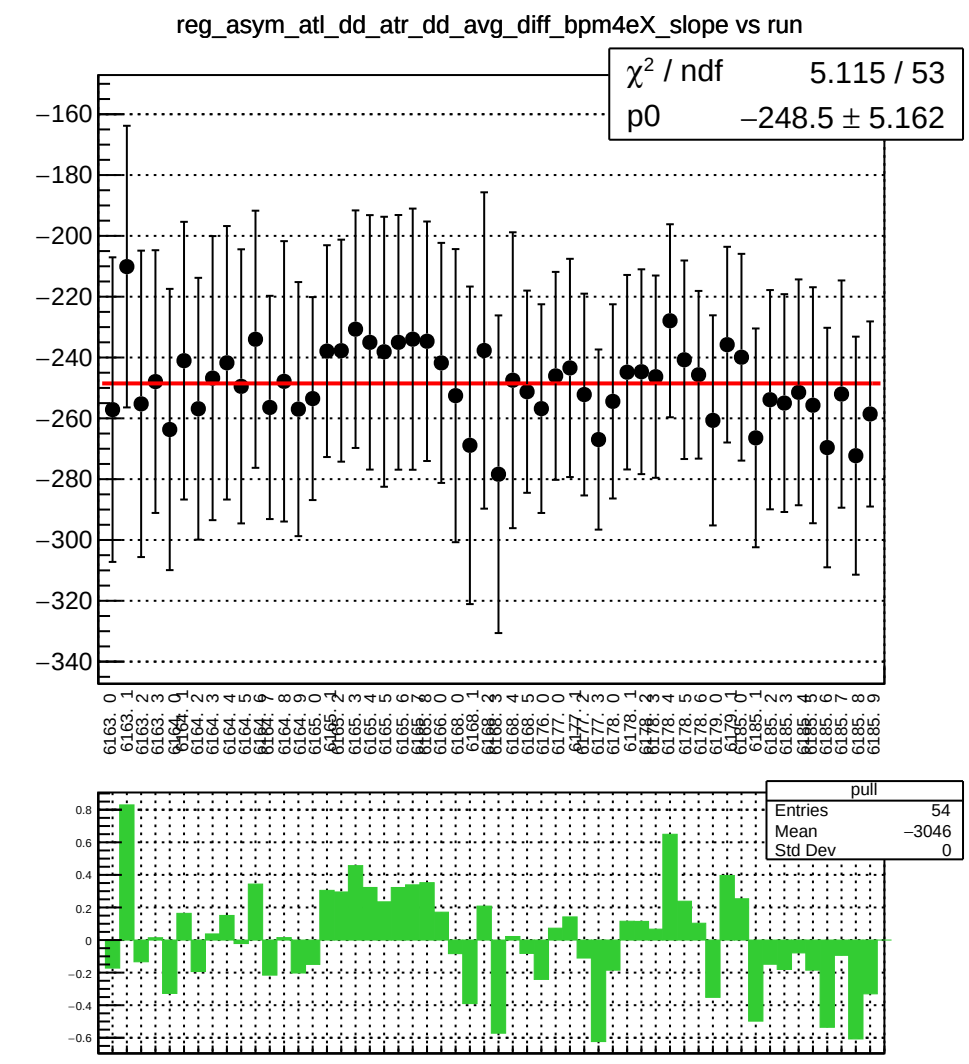

pull1D
Entries 54
Mean −0.04846
Std Dev 0.552

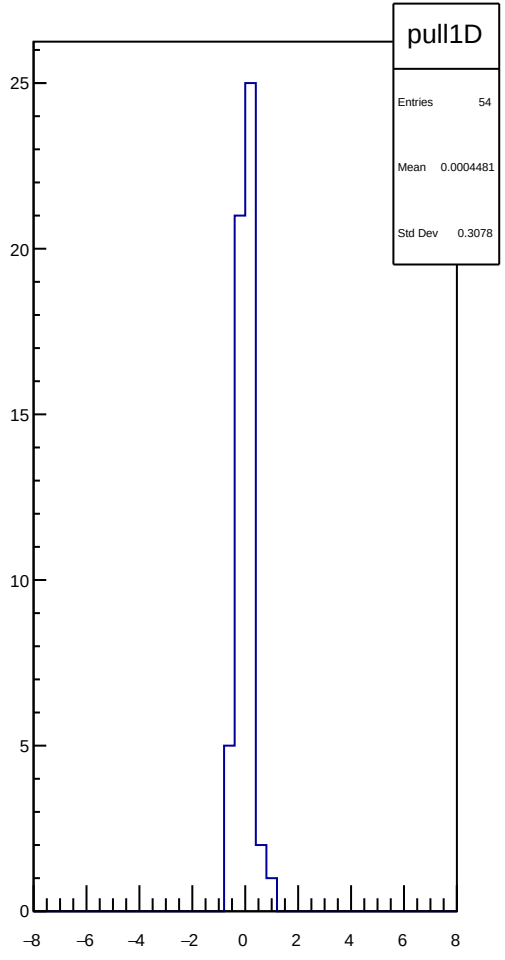

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ² / ndf 76.83 / 53
p0 81.32 ± 0.3538
pull
Entries 54
Mean −129.9
Std Dev 0
pull1D
Entries 54
Mean −0.09151
Std Dev 1.189

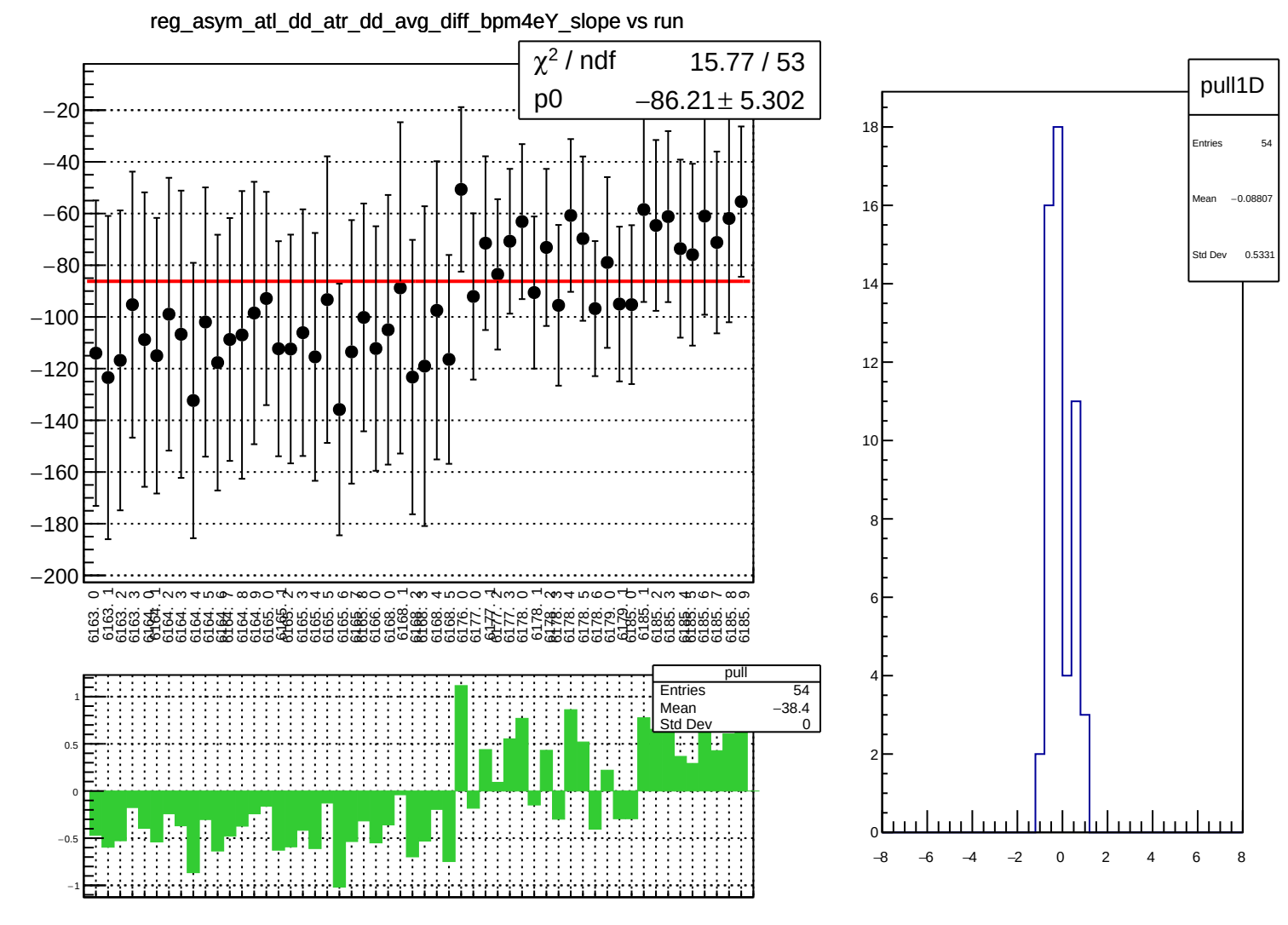

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 11.22 / 53
p0 185.2 ± 4.449
pull
Entries 54
Mean −337.5
Std Dev 0
pull1D
Entries 54
Mean −0.01369
Std Dev 0.4556

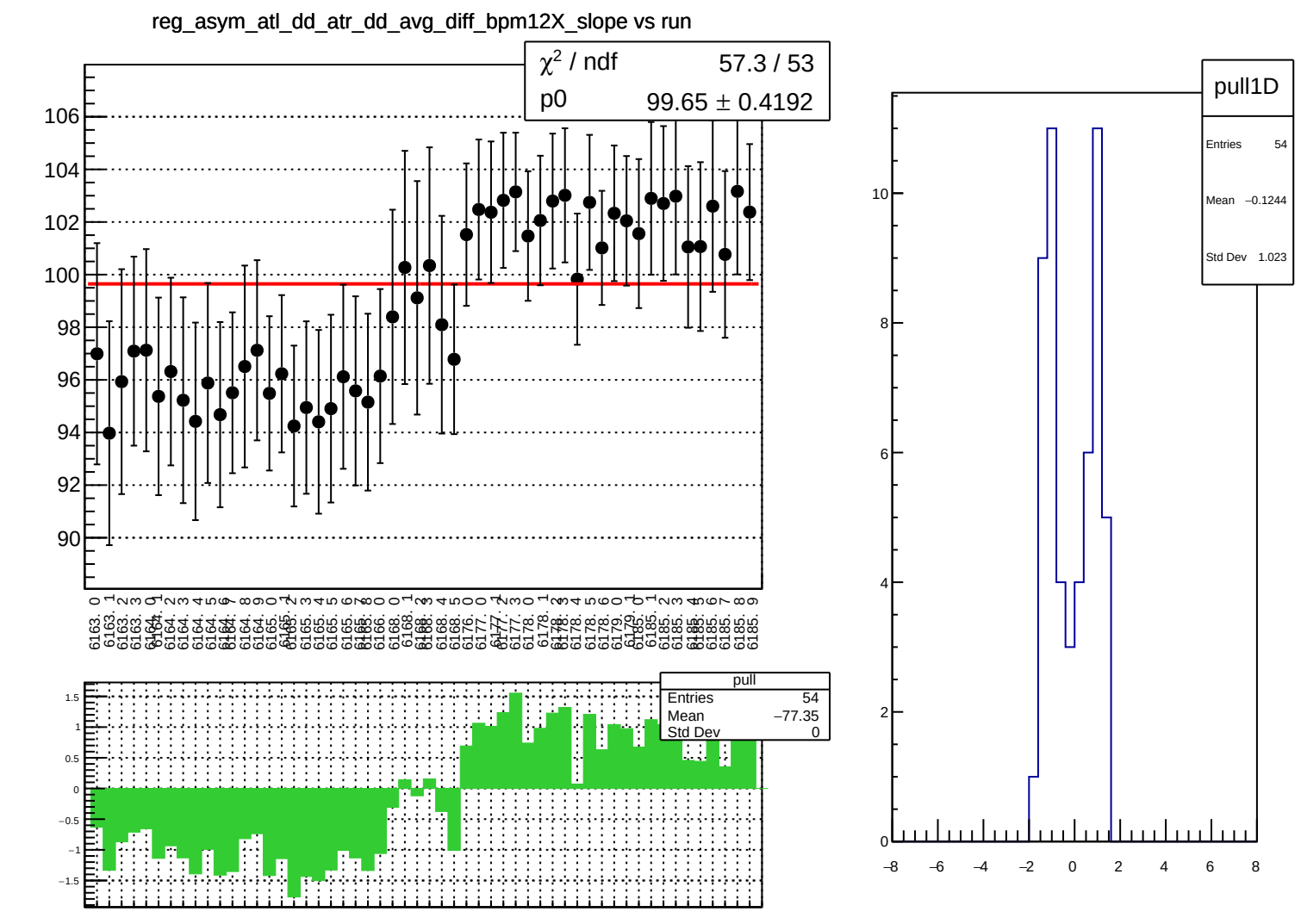

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 11.18 / 53
p0 14.74 ± 4.727
pull
Entries 54
Mean −35.21
Std Dev 0

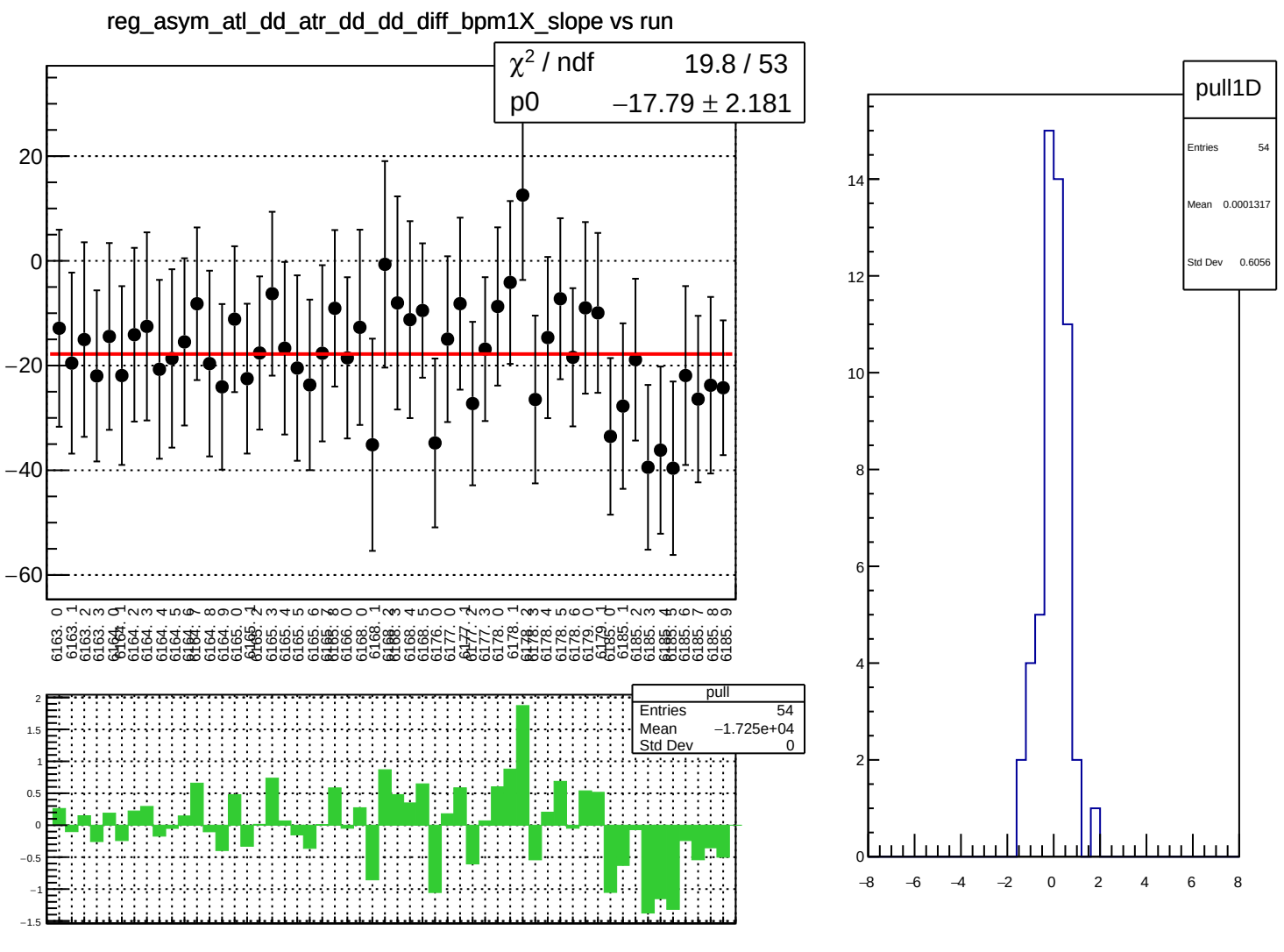

pull1D
Entries 54
Mean 0.06624
Std Dev 0.4503

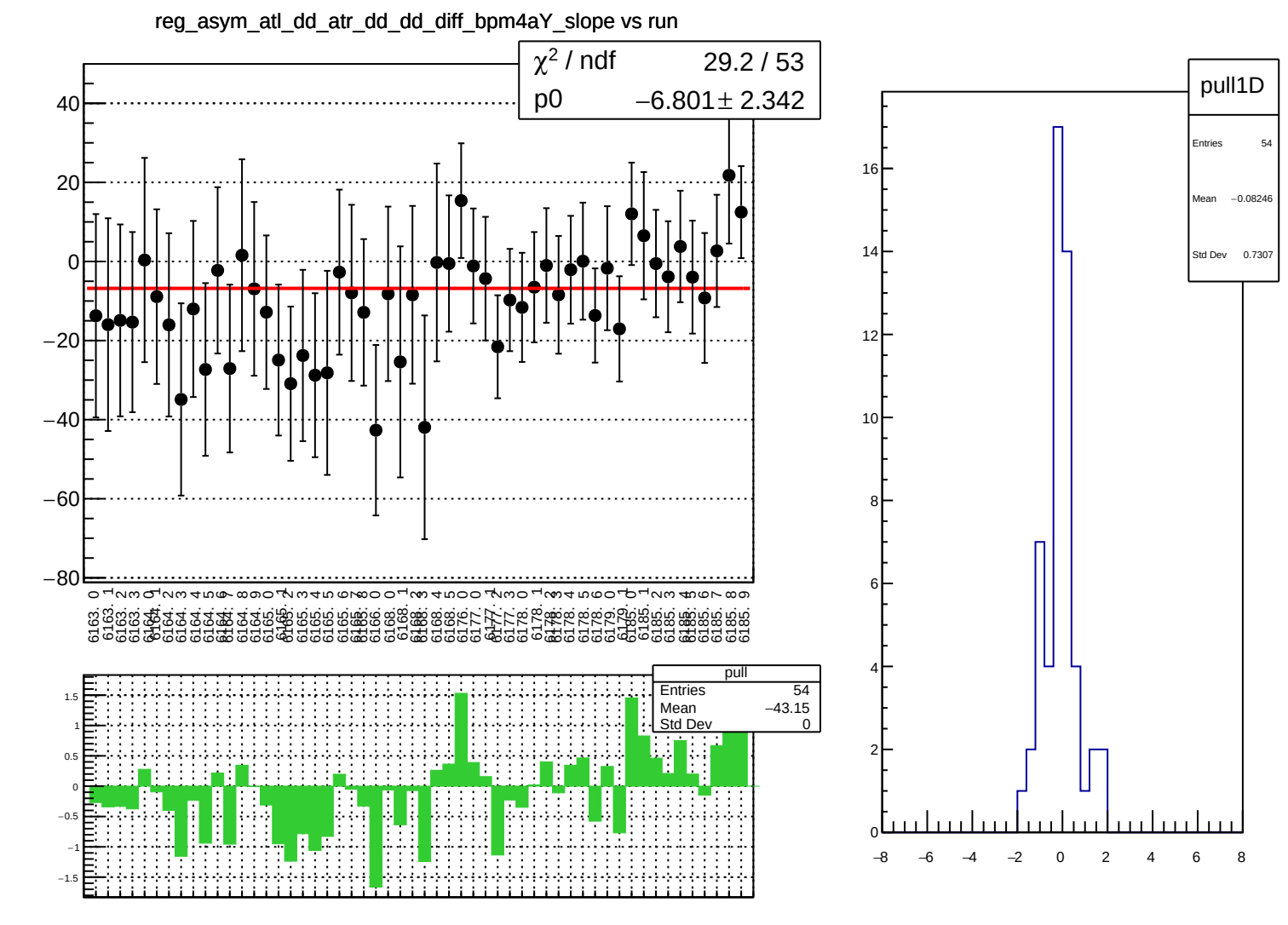

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 5.115 / 53
p0 −248.5 ± 5.162
pull
Entries 54
Mean −3046
Std Dev 0

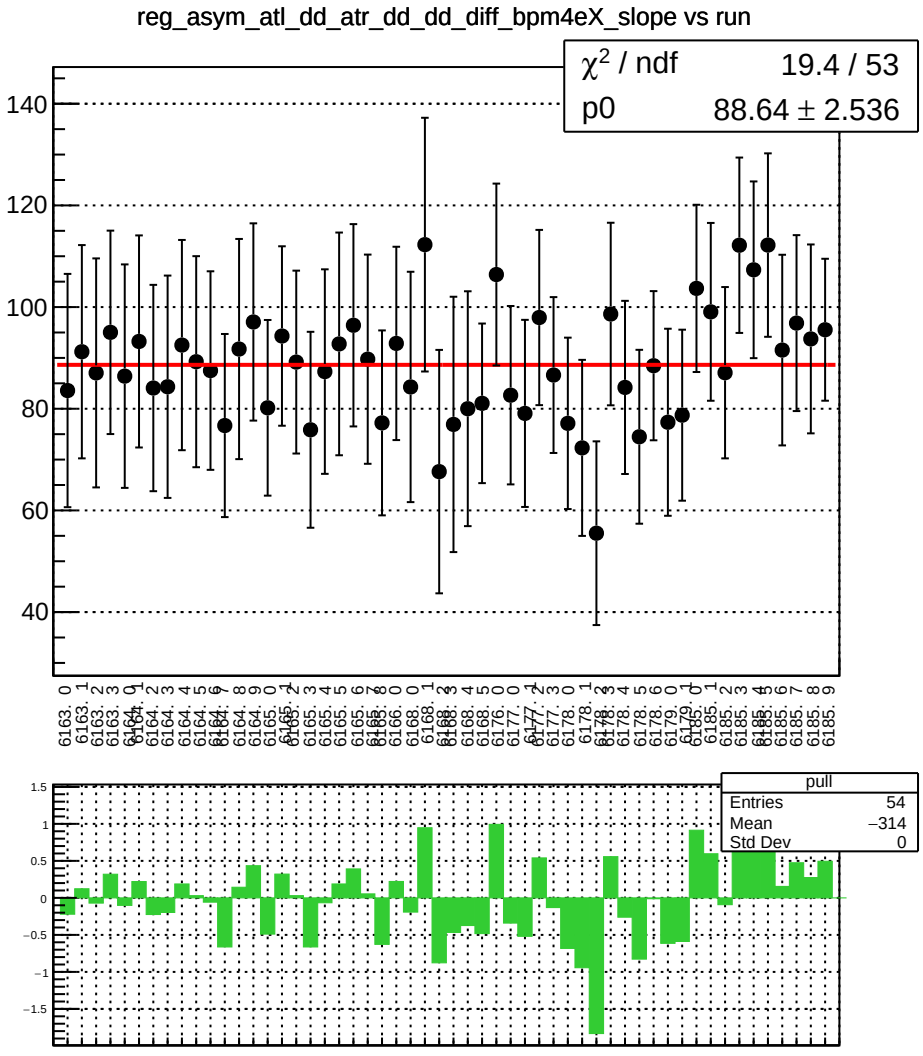

pull1D
Entries 54
Mean 0.0004481
Std Dev 0.3078

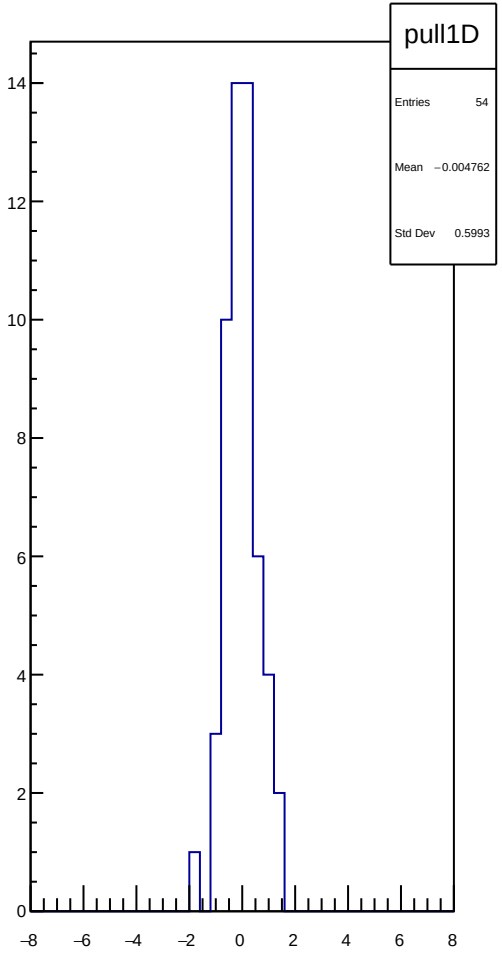

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 15.77 / 53
p0 −86.21 ± 5.302
pull
Entries 54
Mean −38.4
Std Dev 0
pull1D
Entries 54
Mean −0.08807
Std Dev 0.5331

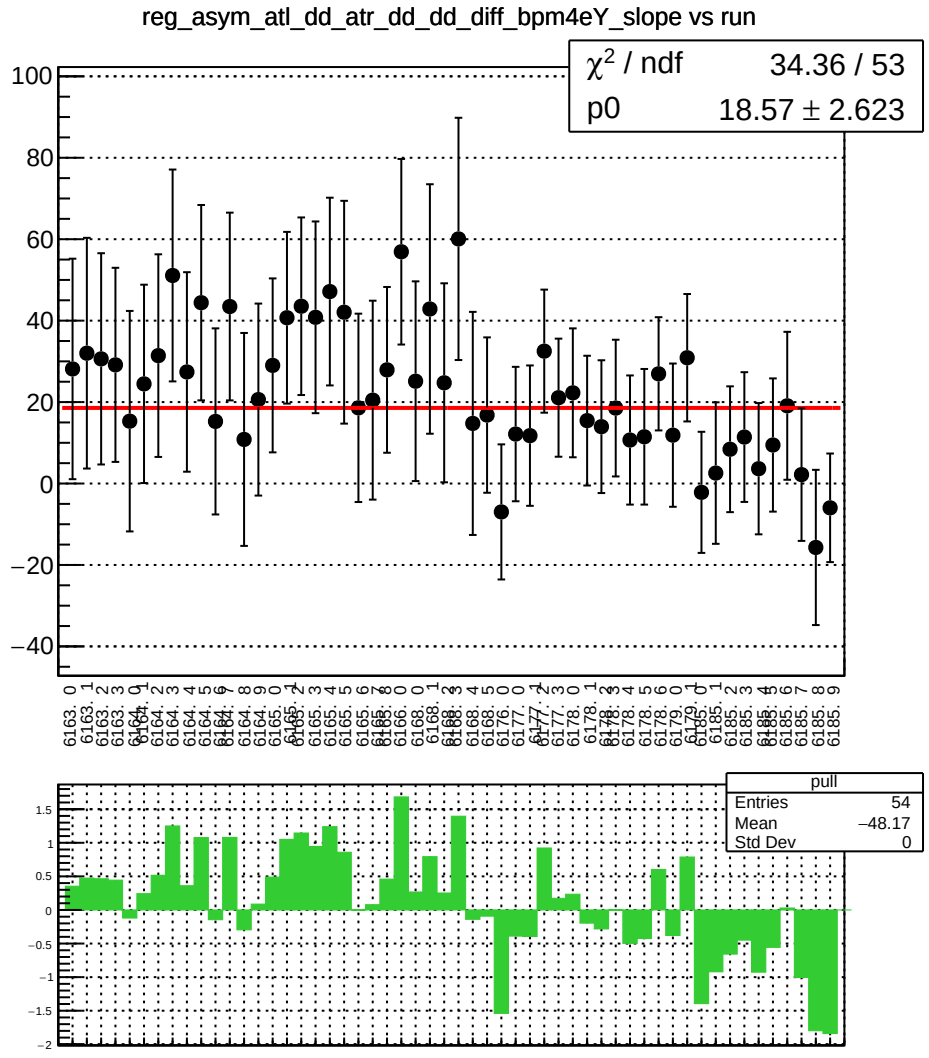

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 57.3 / 53
p0 99.65 ± 0.4192
pull
Entries 54
Mean −77.35
Std Dev 0
pull1D
Entries 54
Mean −0.1244
Std Dev 1.023

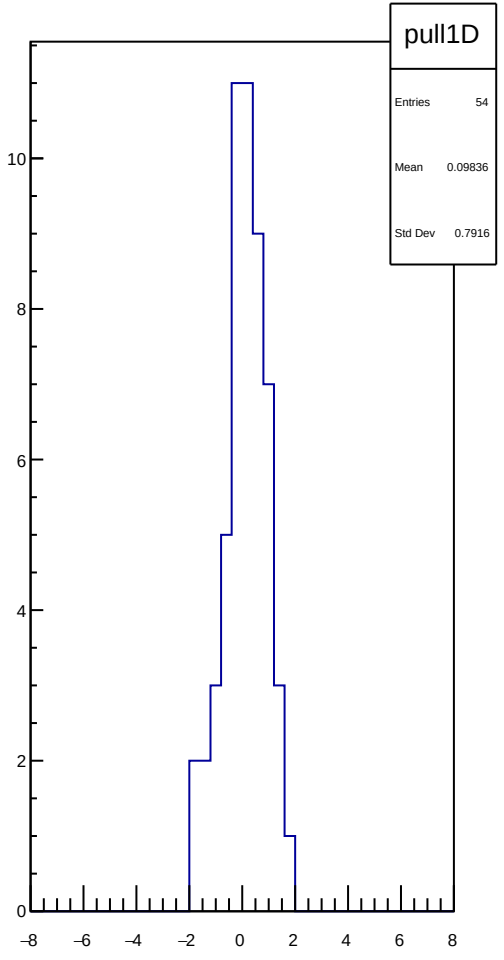

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 19.8 / 53
p0 −17.79 ± 2.181
pull
Entries 54
Mean −1.725e+04
Std Dev 0
pull1D
Entries 54
Mean 0.0001317
Std Dev 0.6056

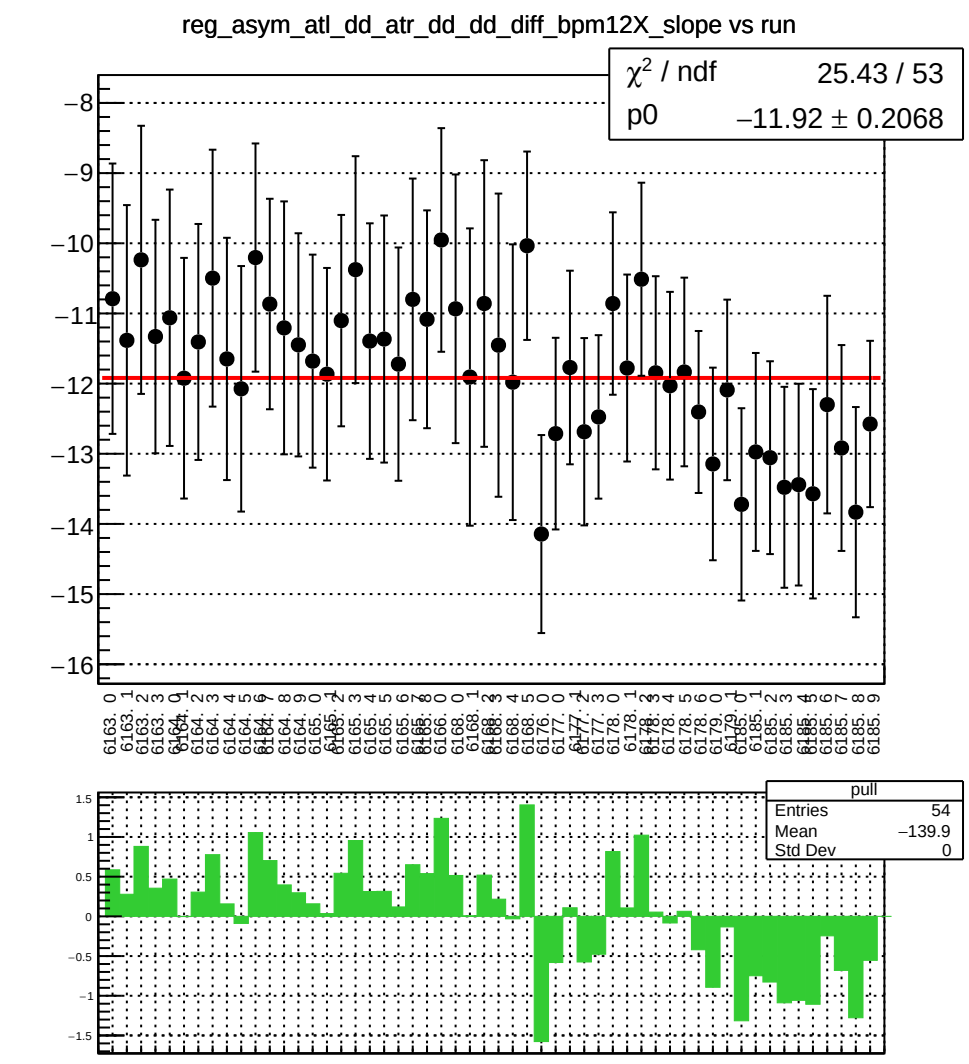

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 29.2 / 53
p0 −6.801 ± 2.342
pull
Entries 54
Mean −43.15
Std Dev 0
pull1D
Entries 54
Mean −0.08246
Std Dev 0.7307

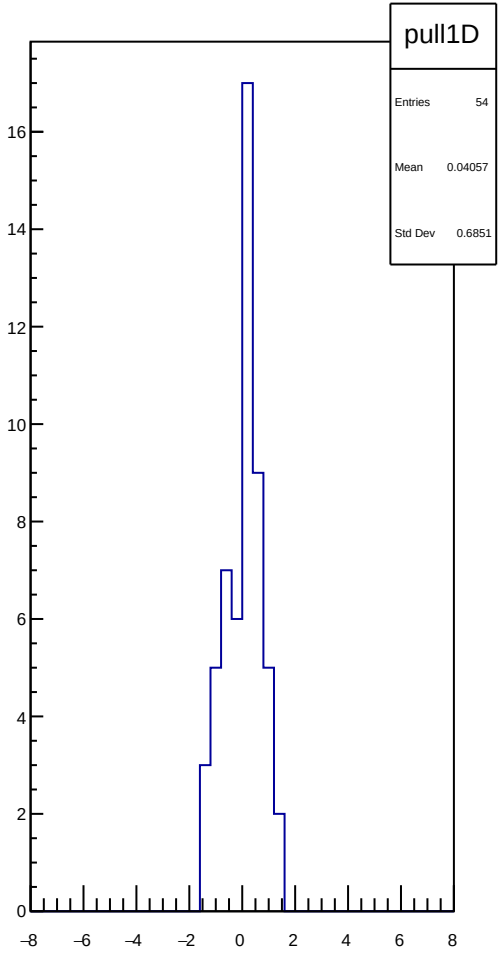

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 19.4 / 53
p0 88.64 ± 2.536
pull
Entries 54
Mean −314
Std Dev 0

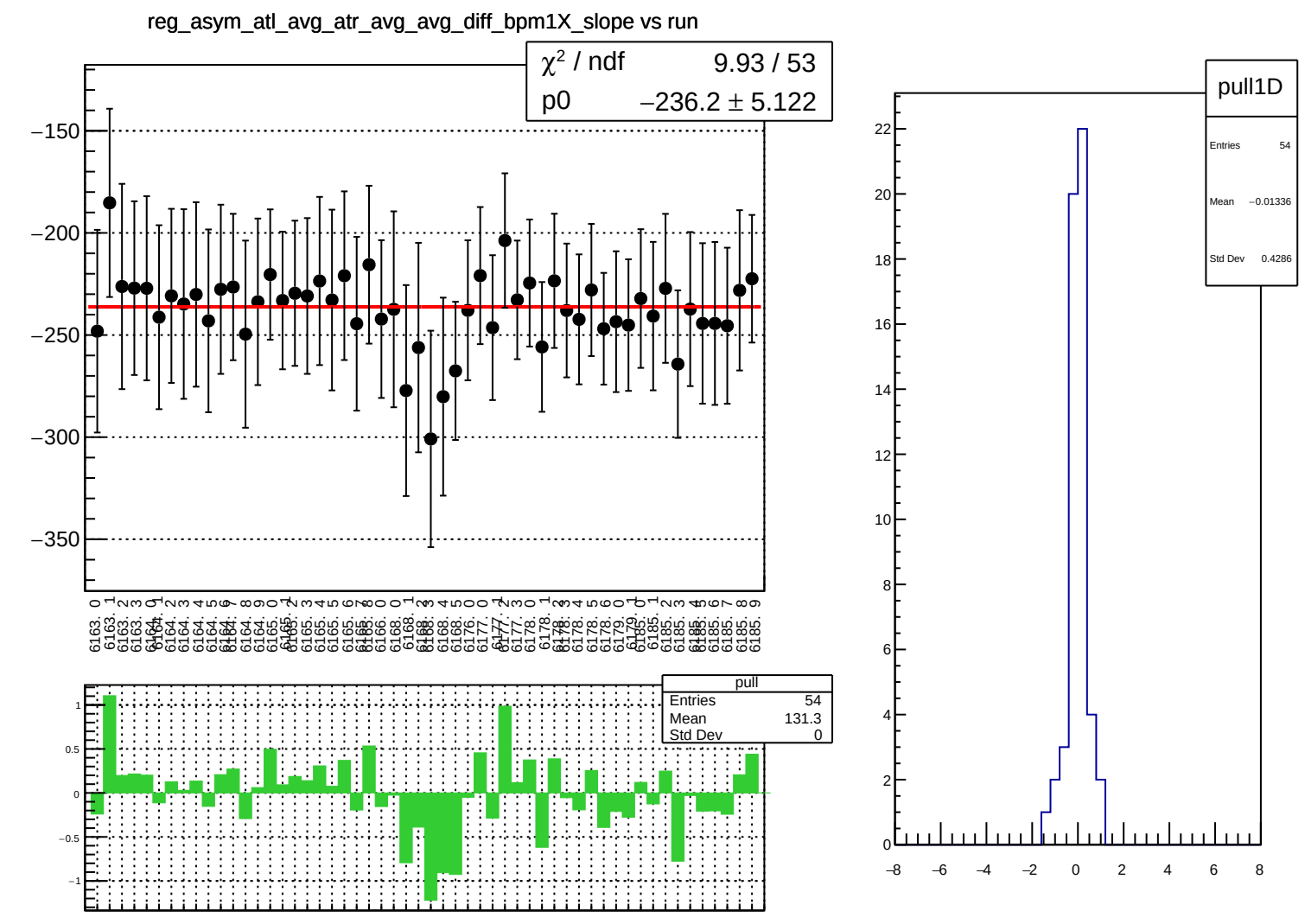

pull1D
Entries 54
Mean −0.004762
Std Dev 0.5993

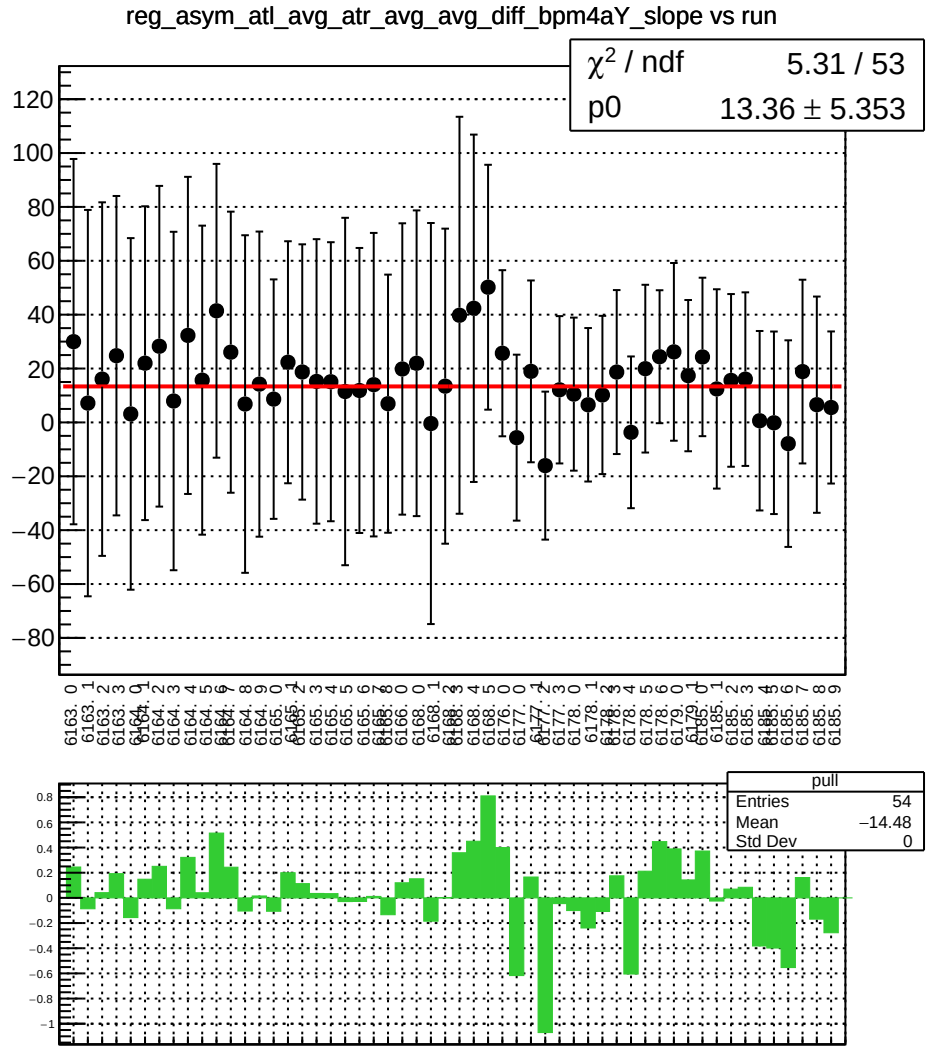

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 34.36 / 53
p0 18.57 ± 2.623
pull
Entries 54
Mean −48.17
Std Dev 0

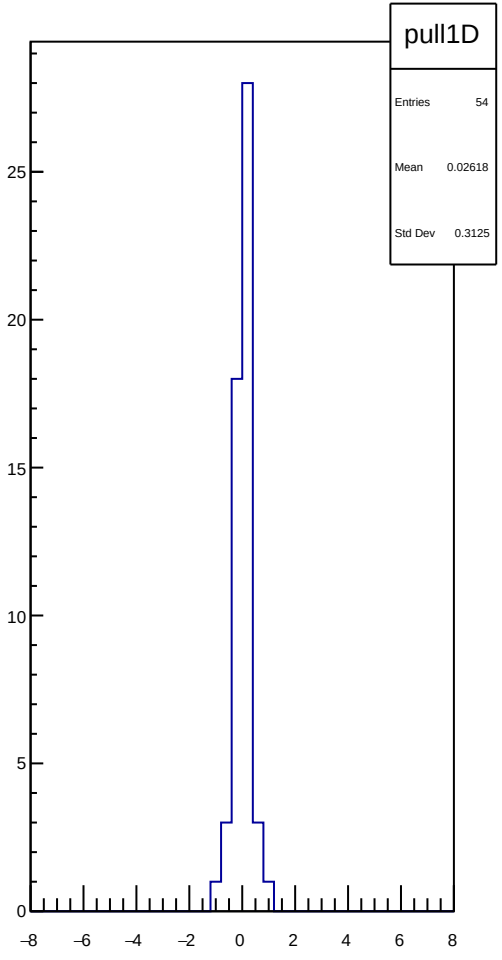

pull1D
Entries 54
Mean 0.09836
Std Dev 0.7916

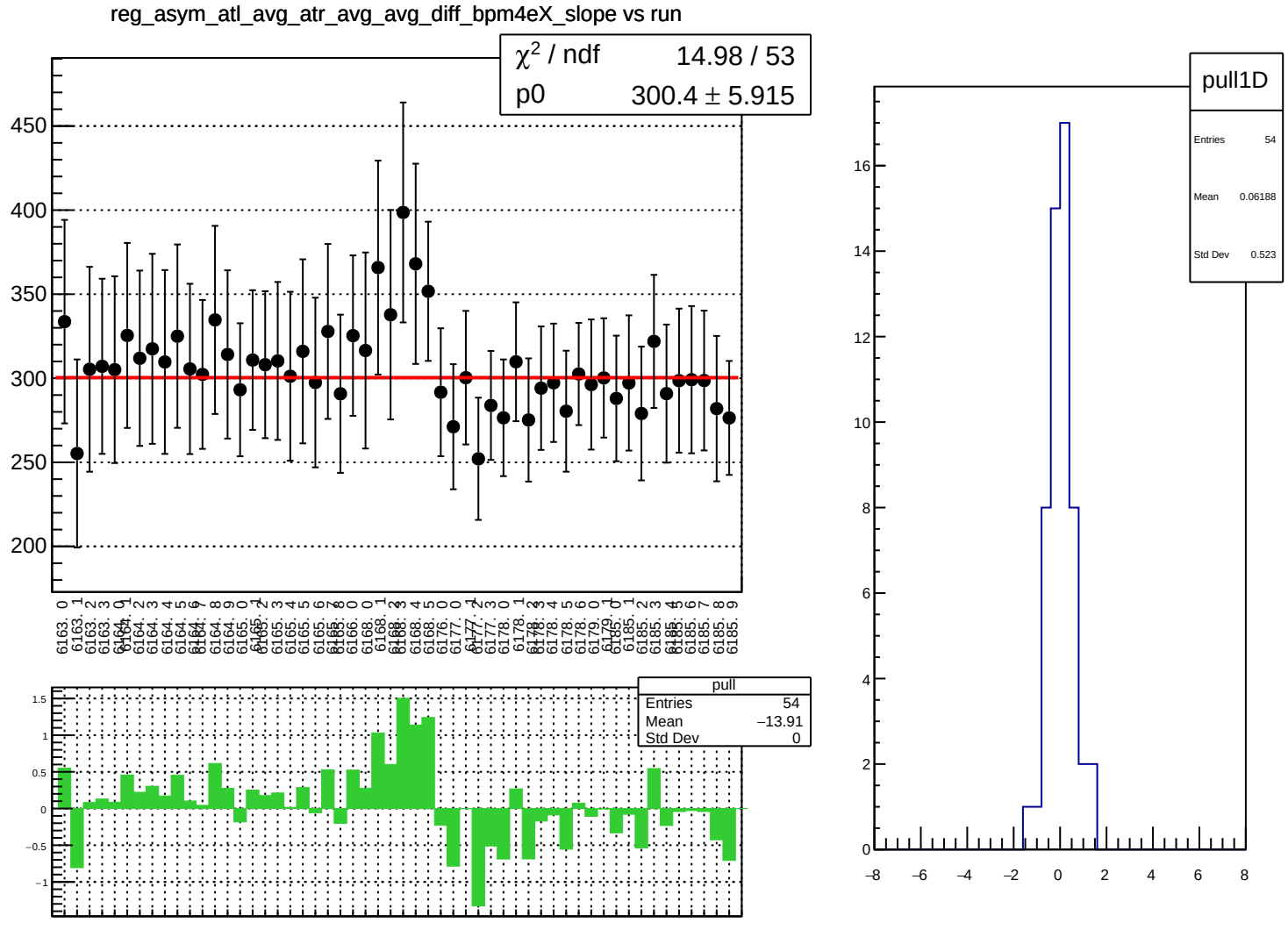

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 25.43 / 53
p0 −11.92 ± 0.2068
pull
Entries 54
Mean −139.9
Std Dev 0

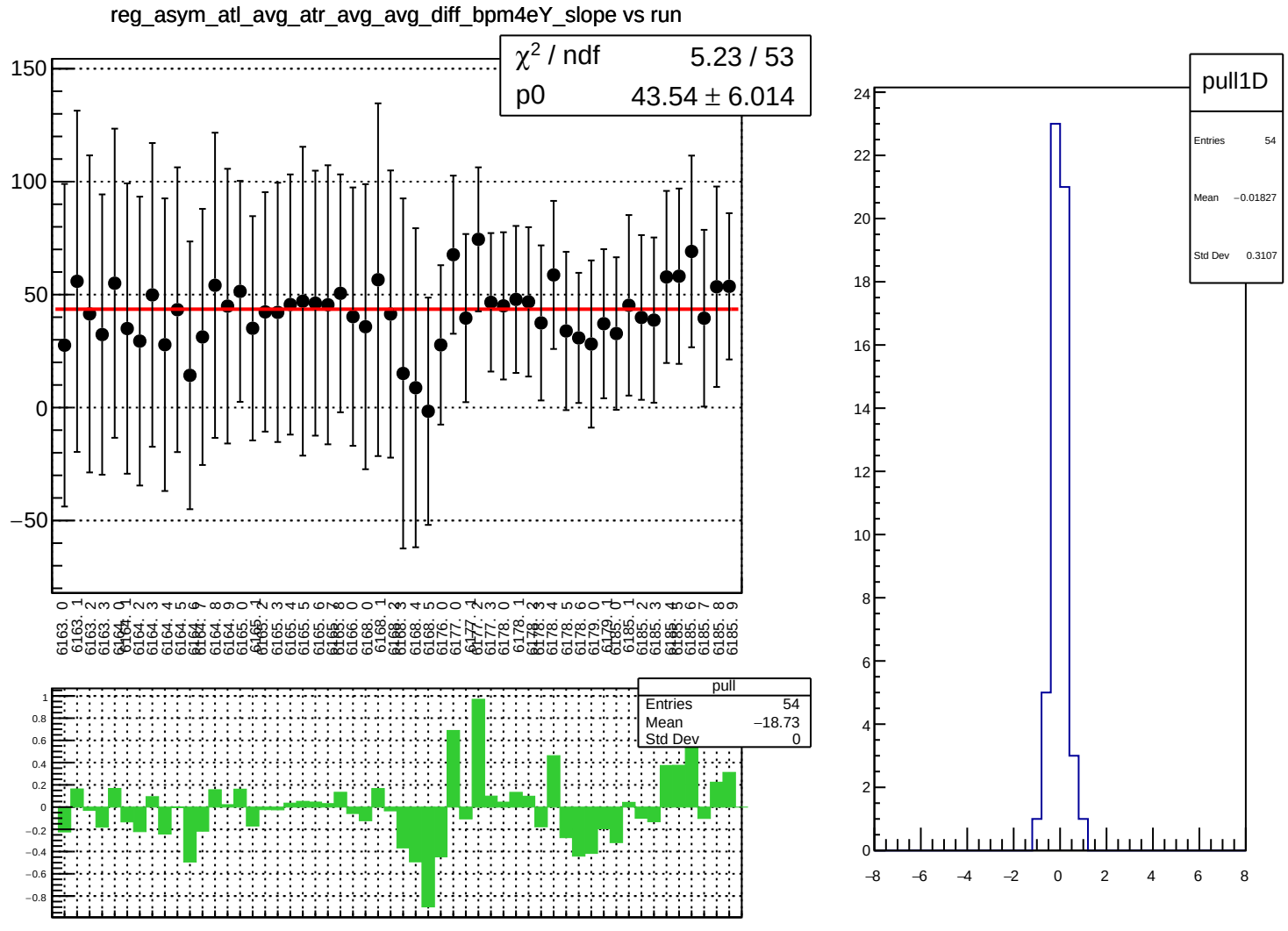

pull1D
Entries 54
Mean 0.04057
Std Dev 0.6851

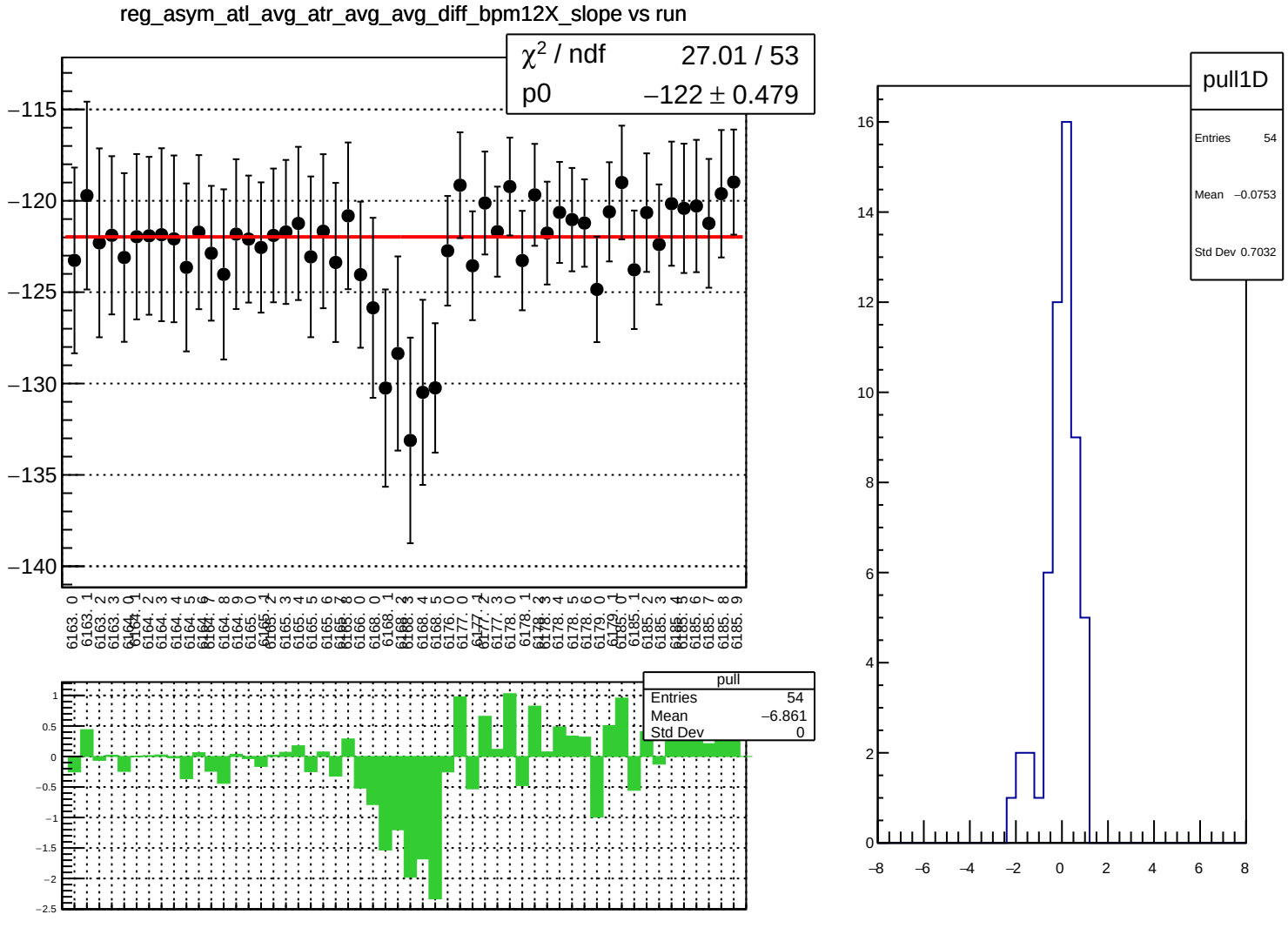

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 9.93 / 53
p0 −236.2 ± 5.122
−150
−200
−250
−300
−350
pull
Entries 54
Mean 131.3
Std Dev 0
pull1D
Entries 54
Mean −0.01336
Std Dev 0.4286

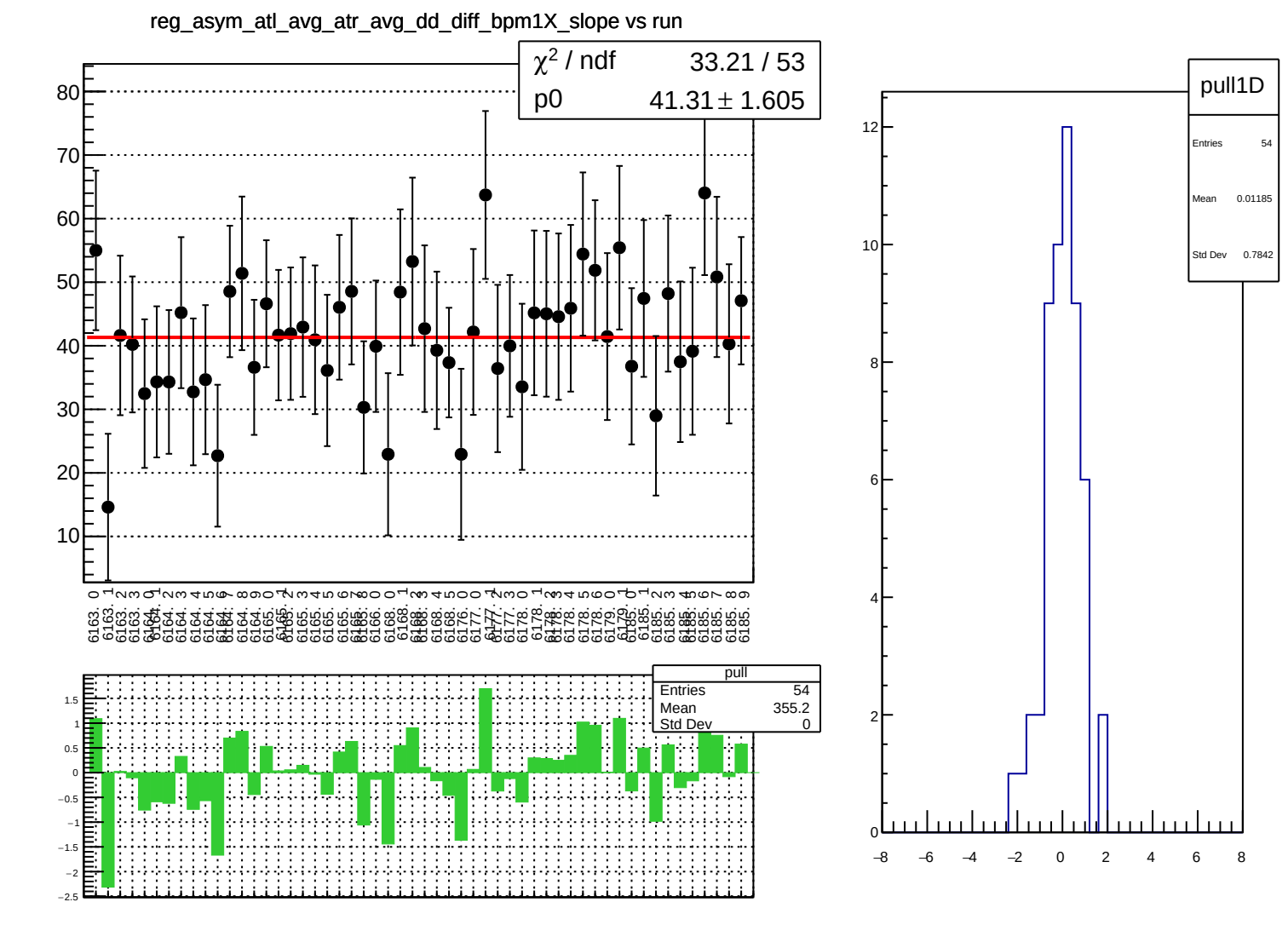

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 5.31 / 53
p0 13.36 ± 5.353
pull
Entries 54
Mean −14.48
Std Dev 0

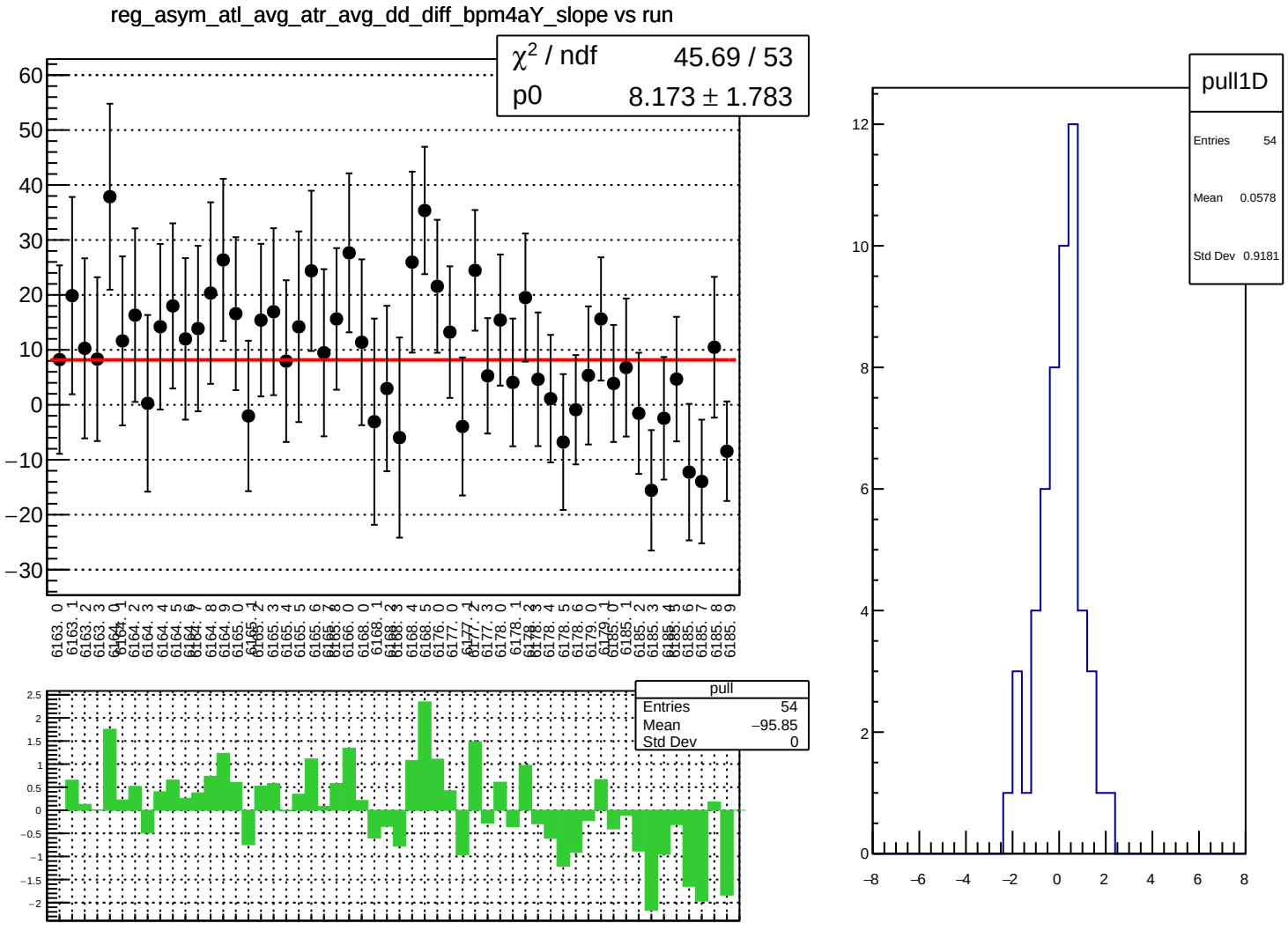

pull1D
Entries 54
Mean 0.02618
Std Dev 0.3125

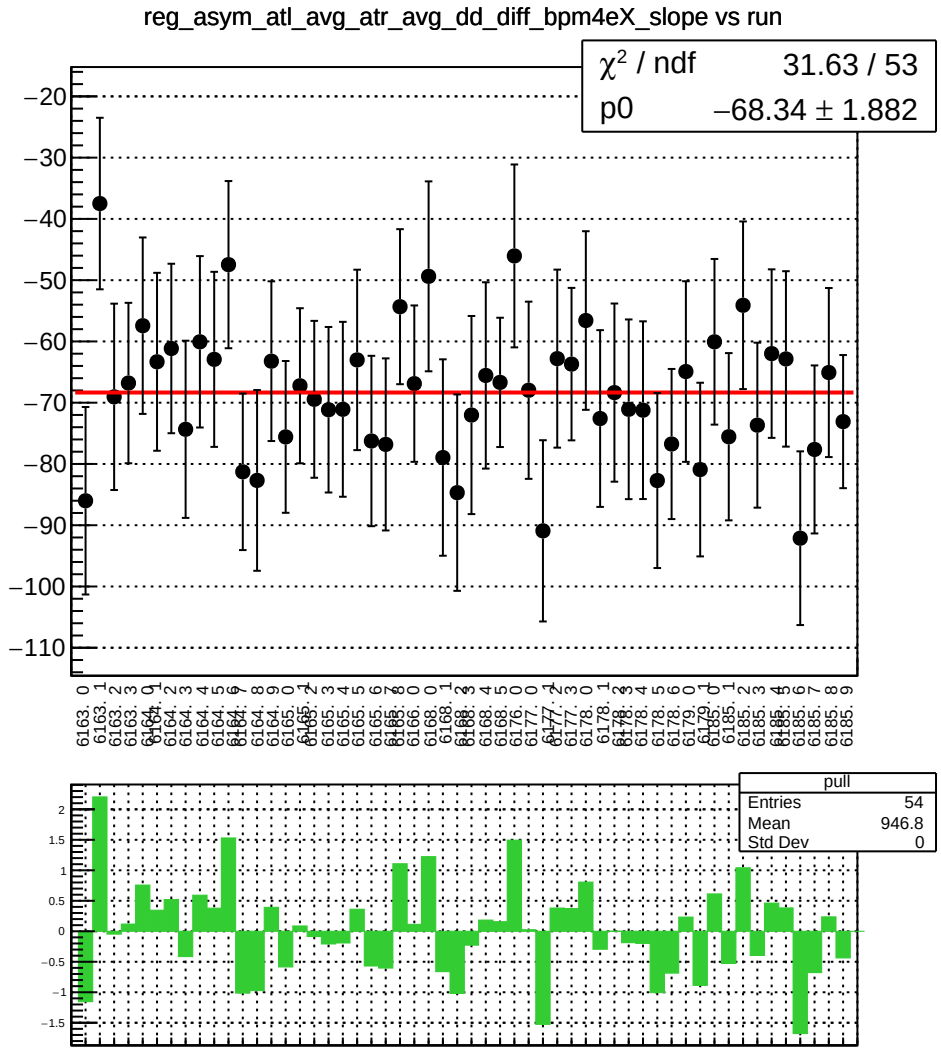

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 14.98 / 53
p0 300.4 ± 5.915
pull
Entries 54
Mean −13.91
Std Dev 0
pull1D
Entries 54
Mean 0.06188
Std Dev 0.523

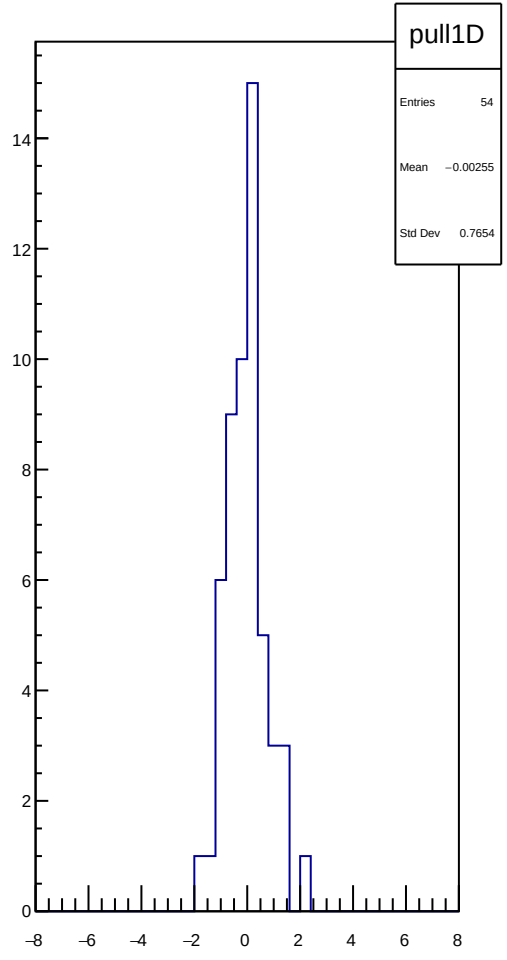

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 5.23 / 53
p0 43.54 ± 6.014
150
100
50
0
−50
pull
Entries 54
Mean −18.73
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 54
Mean −0.01827
Std Dev 0.3107
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

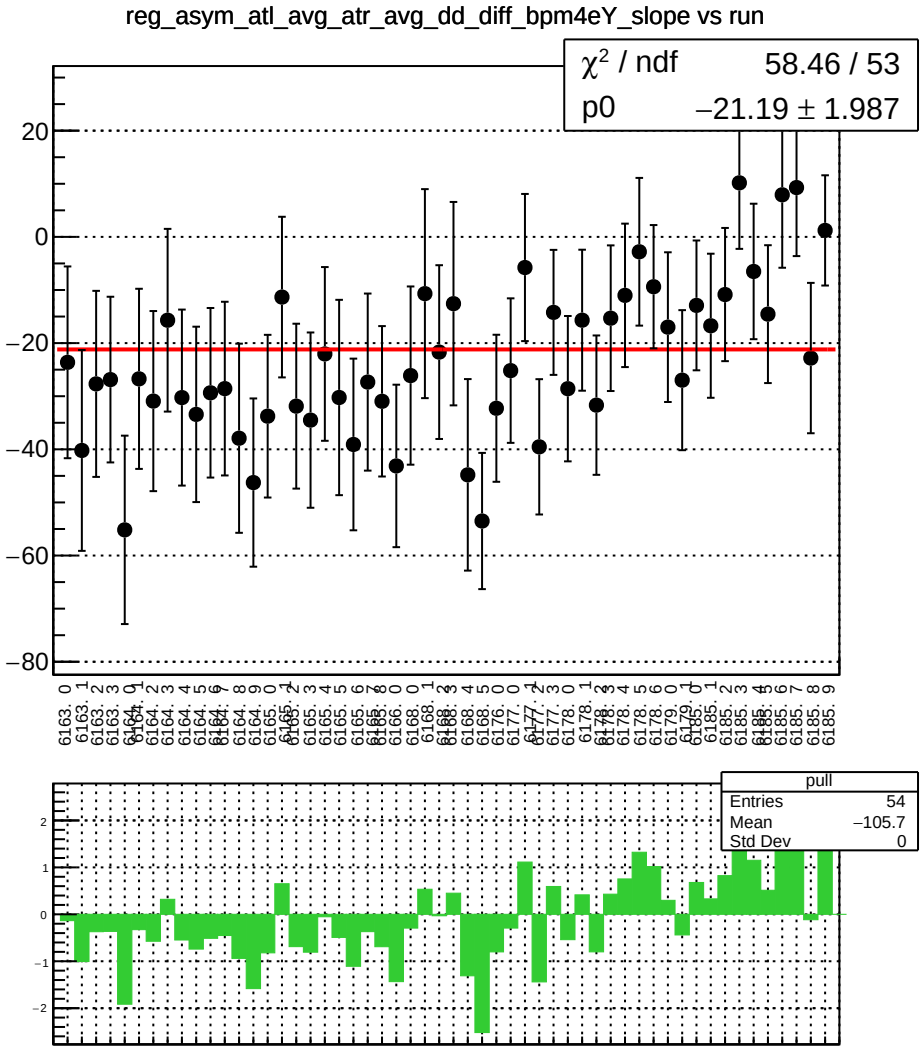

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 27.01 / 53
p0 −122 ± 0.479
pull
Entries 54
Mean −6.861
Std Dev 0
pull1D
Entries 54
Mean −0.0753
Std Dev 0.7032

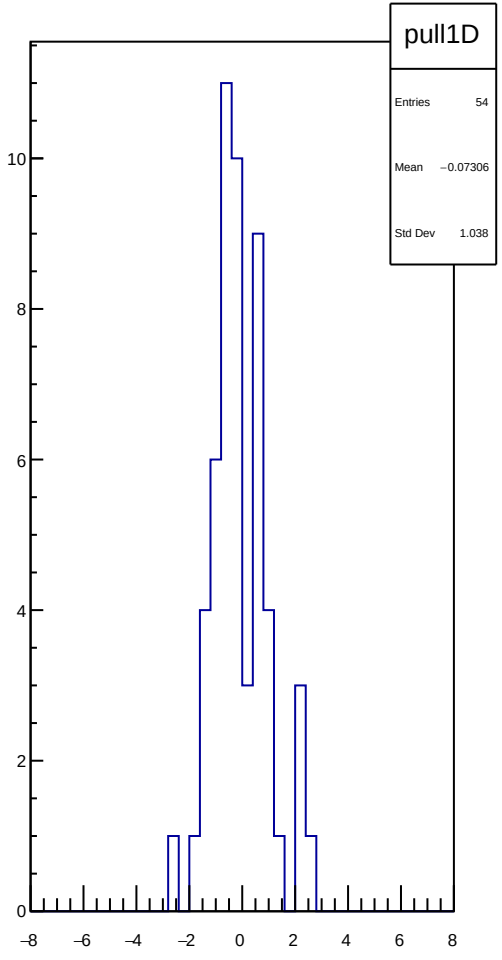

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 33.21 / 53
p0 41.31 ± 1.605
pull
Entries 54
Mean 355.2
Std Dev 0
pull1D
Entries 54
Mean 0.01185
Std Dev 0.7842

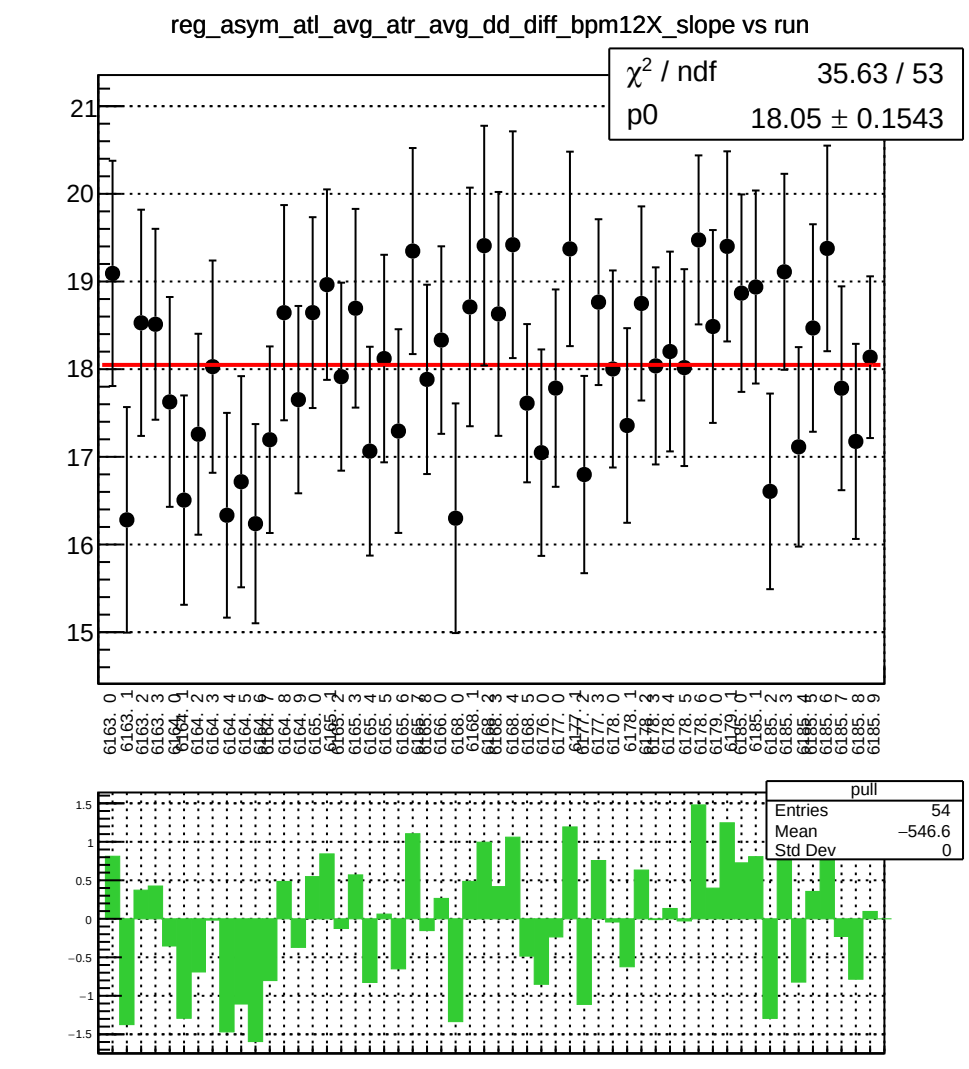

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 45.69 / 53
p0 8.173 ± 1.783
pull
Entries 54
Mean −95.85
Std Dev 0
pull1D
Entries 54
Mean 0.0578
Std Dev 0.9181

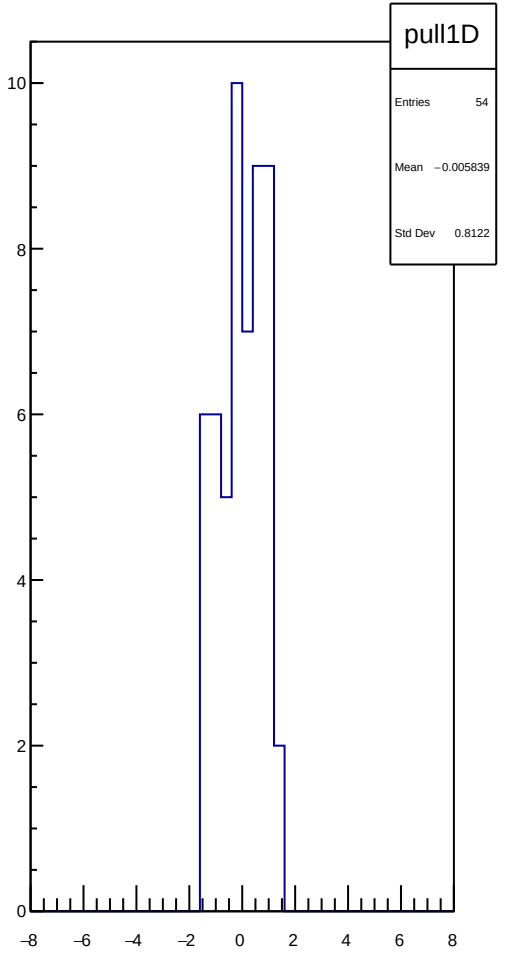

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 31.63 / 53
p0 −68.34 ± 1.882
pull
Entries 54
Mean 946.8
Std Dev 0

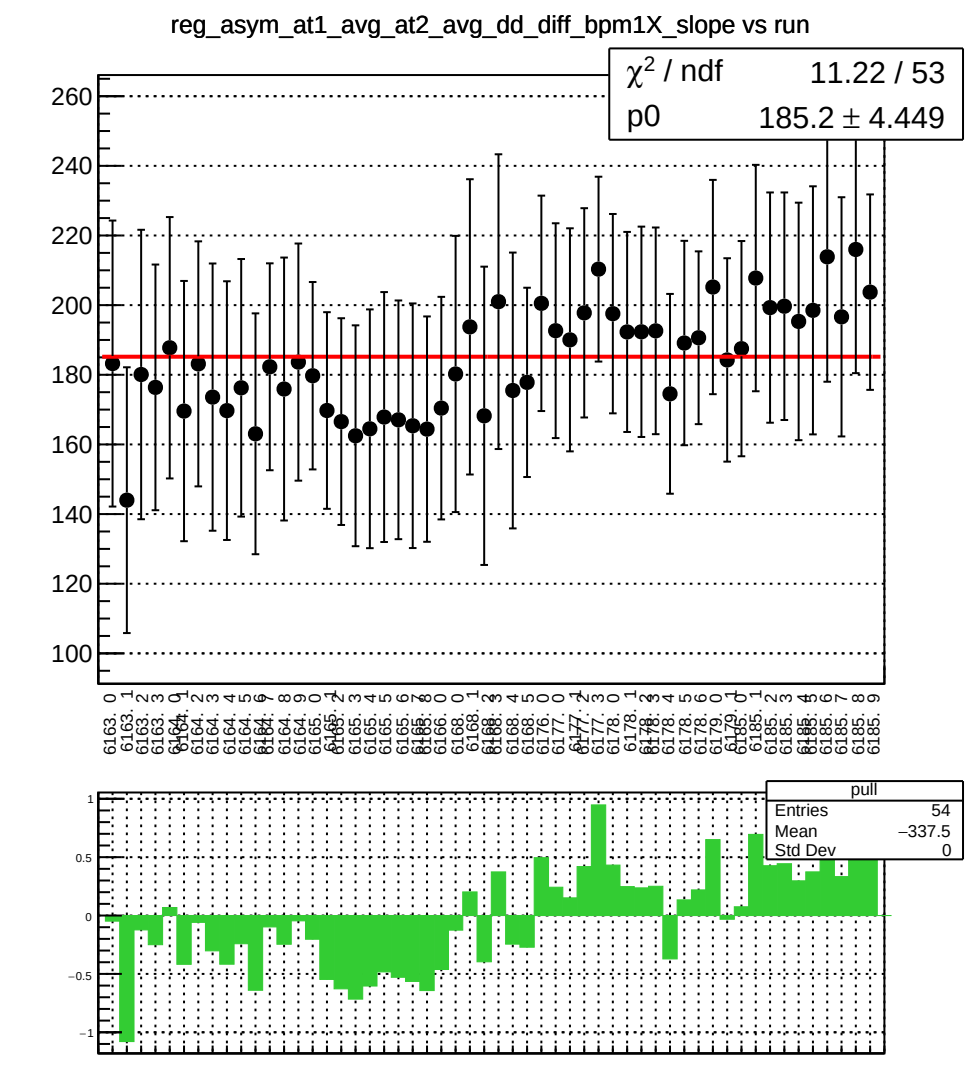

pull1D
Entries 54
Mean −0.00255
Std Dev 0.7654

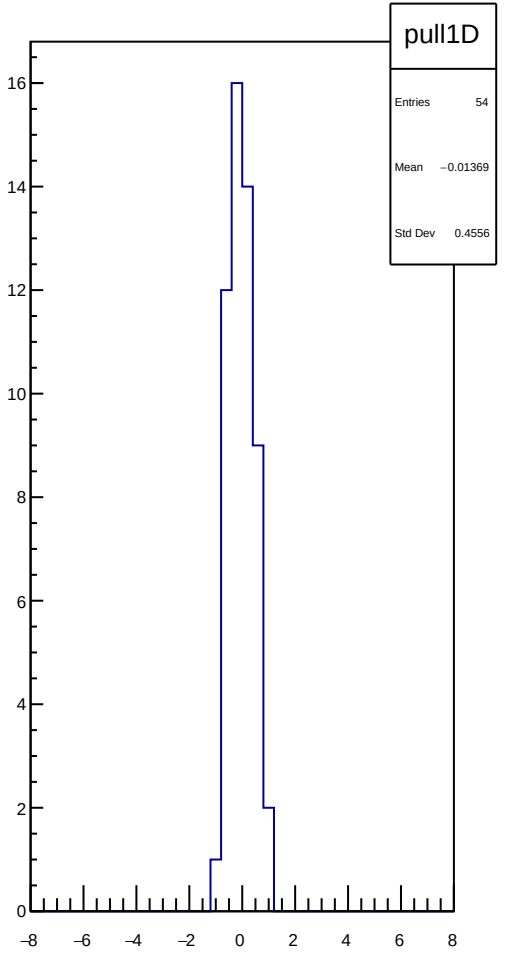

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 58.46 / 53
p0 −21.19 ± 1.987
pull
Entries 54
Mean −105.7
Std Dev 0

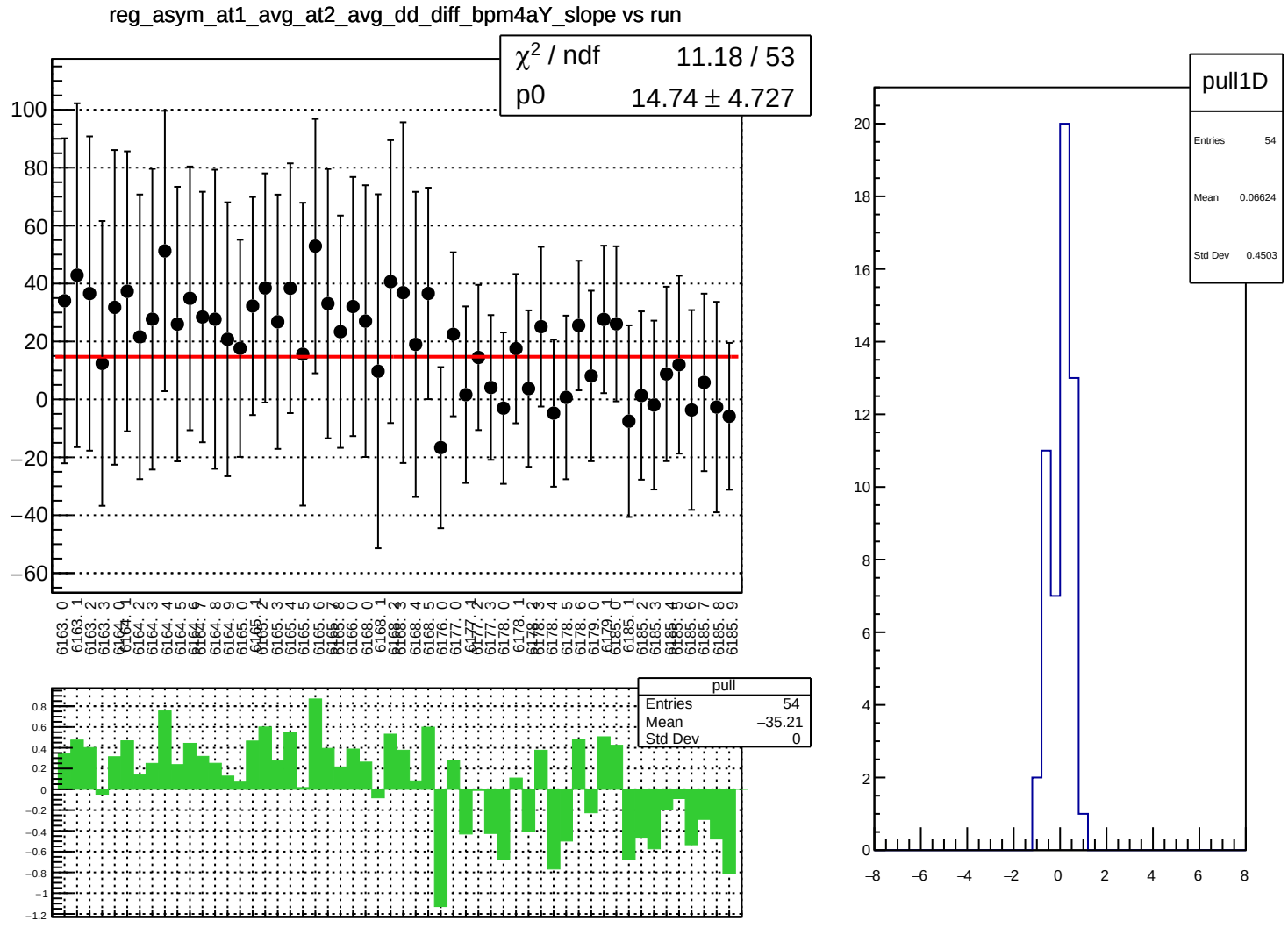

pull1D
Entries 54
Mean −0.07306
Std Dev 1.038

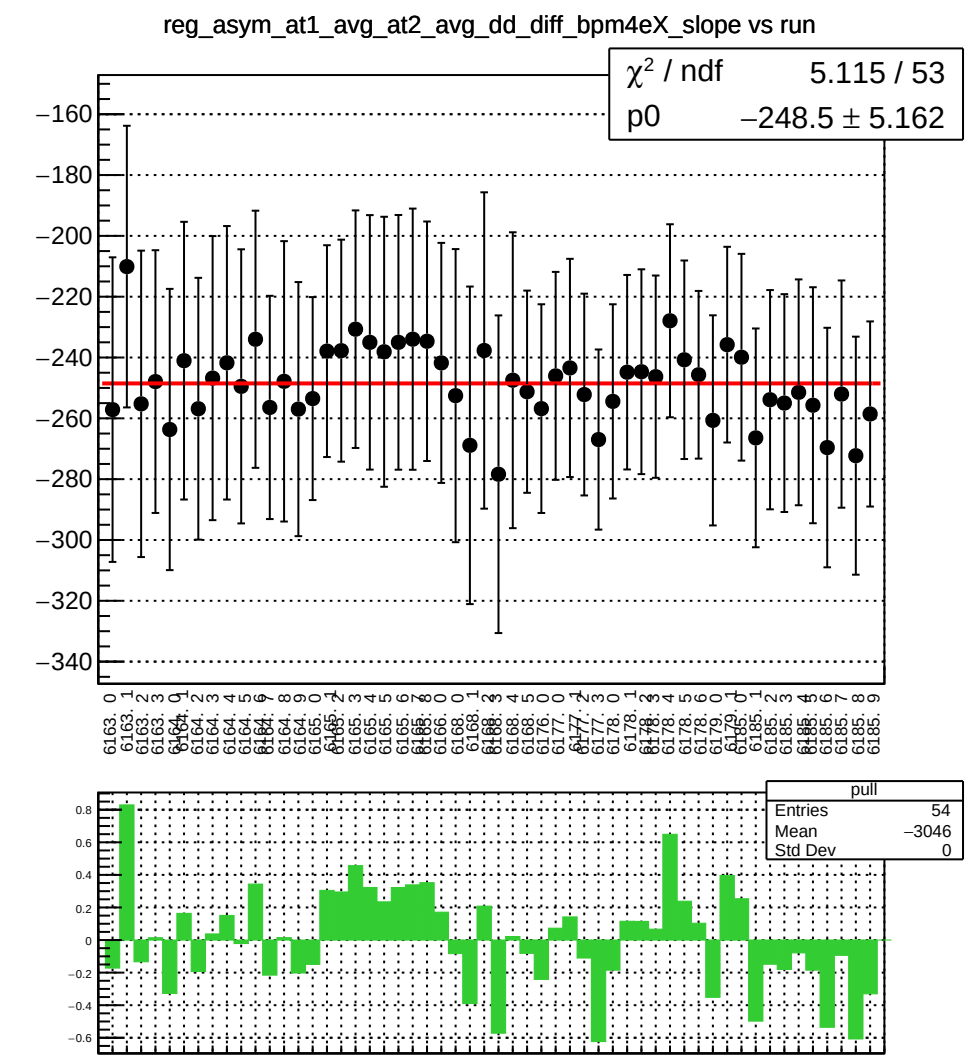

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 35.63 / 53
p0 18.05 ± 0.1543
pull
Entries 54
Mean −546.6
Std Dev 0

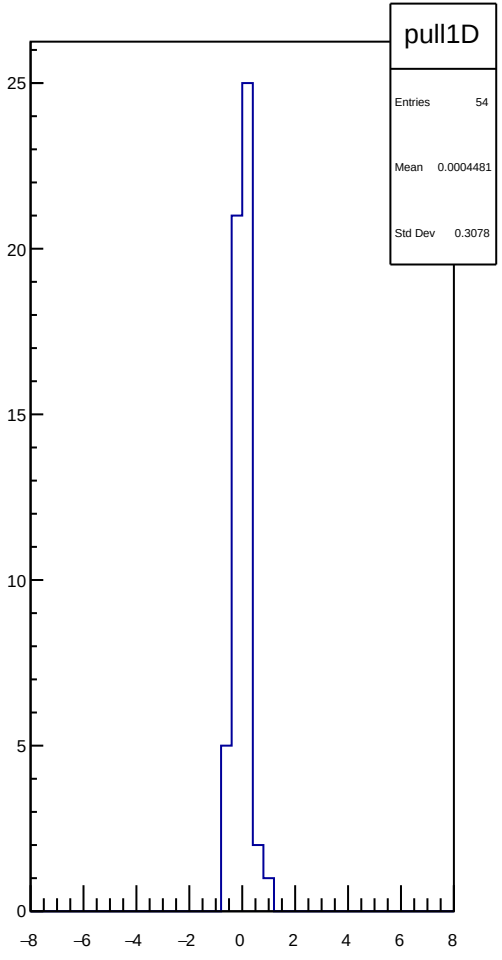

pull1D
Entries 54
Mean −0.005839
Std Dev 0.8122

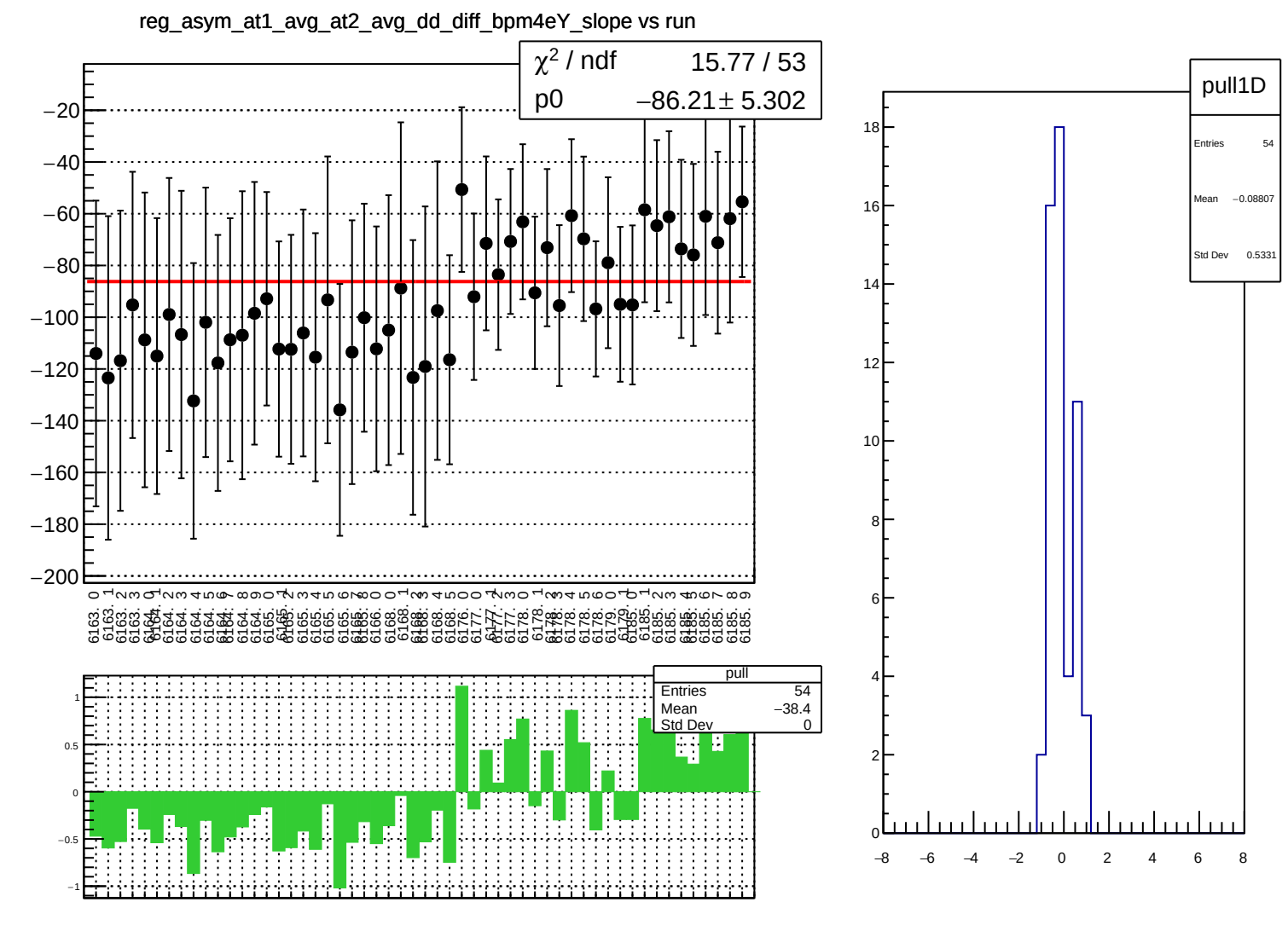

reg_asym_at1_avg_at2_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 11.22 / 53
p0 185.2 ± 4.449
pull
Entries 54
Mean −337.5
Std Dev 0

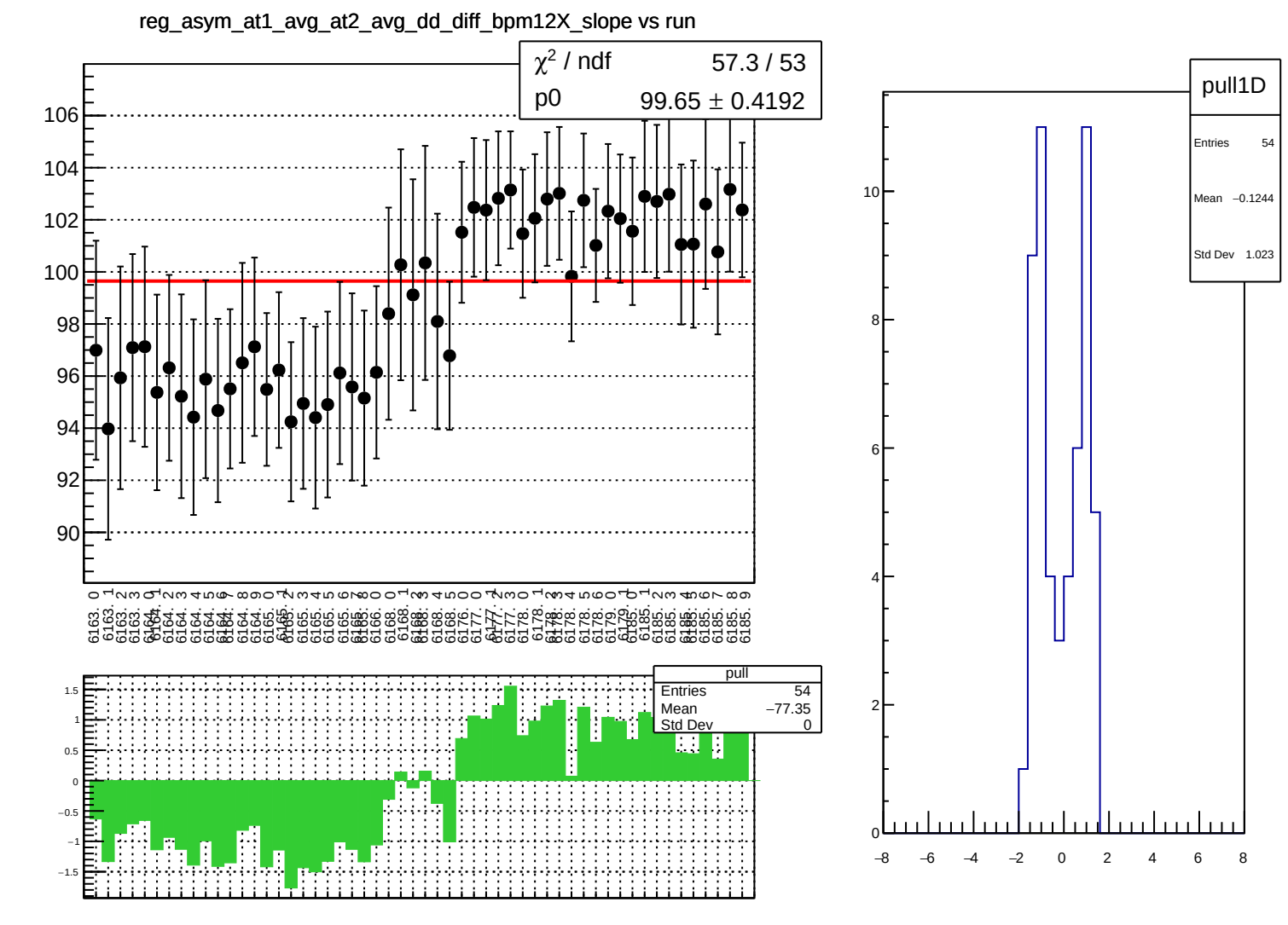

pull1D
Entries 54
Mean −0.01369
Std Dev 0.4556

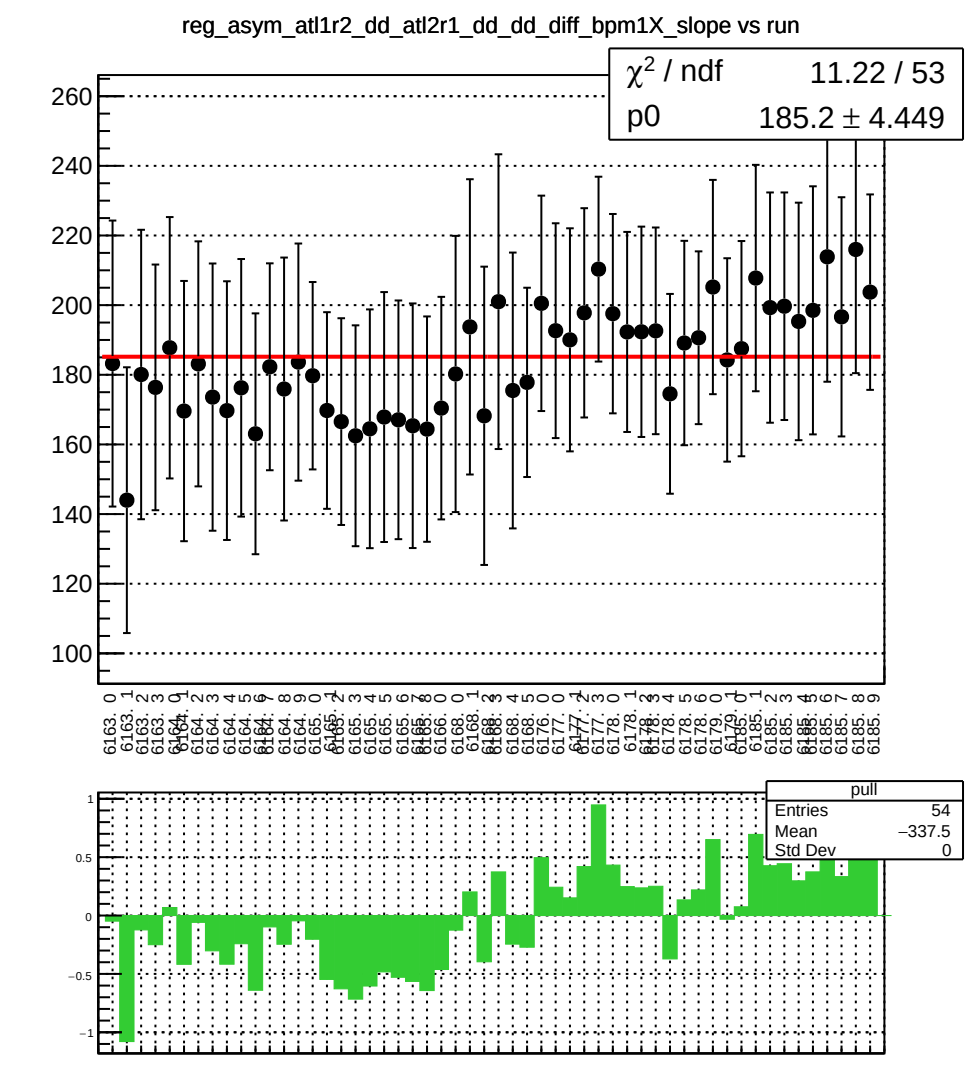

reg_asym_at1_avg_at2_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 11.18 / 53
p0 14.74 ± 4.727
pull
Entries 54
Mean −35.21
Std Dev 0
pull1D
Entries 54
Mean 0.06624
Std Dev 0.4503

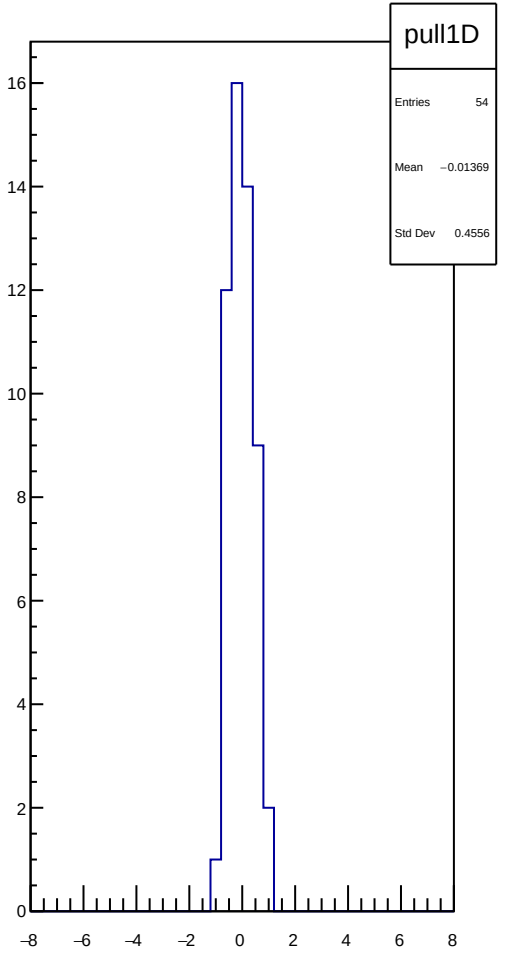

reg_asym_at1_avg_at2_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 5.115 / 53
p0 −248.5 ± 5.162
pull
Entries 54
Mean −3046
Std Dev 0

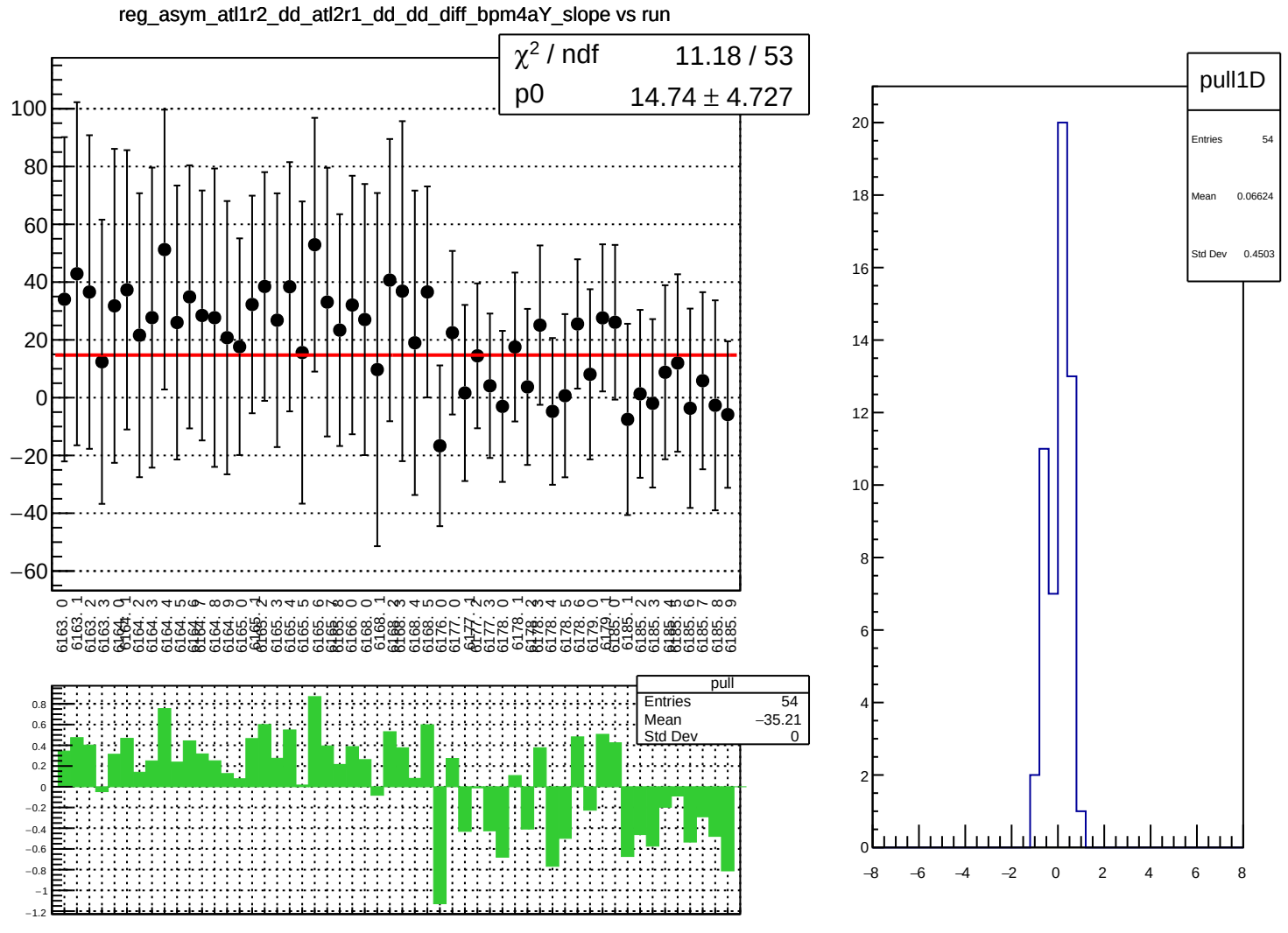

pull1D
Entries 54
Mean 0.0004481
Std Dev 0.3078

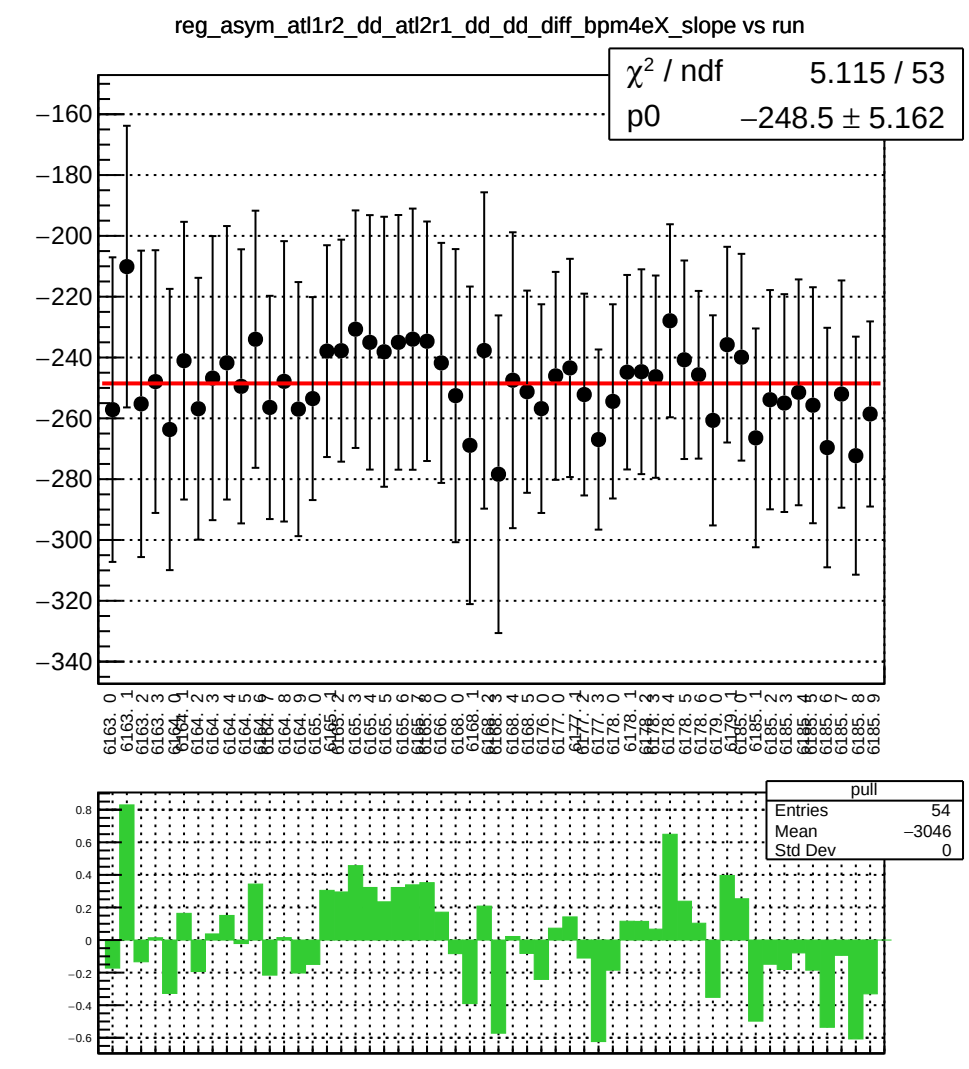

reg_asym_at1_avg_at2_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 15.77 / 53
p0 −86.21 ± 5.302
pull
Entries 54
Mean −38.4
Std Dev 0
pull1D
Entries 54
Mean −0.08807
Std Dev 0.5331

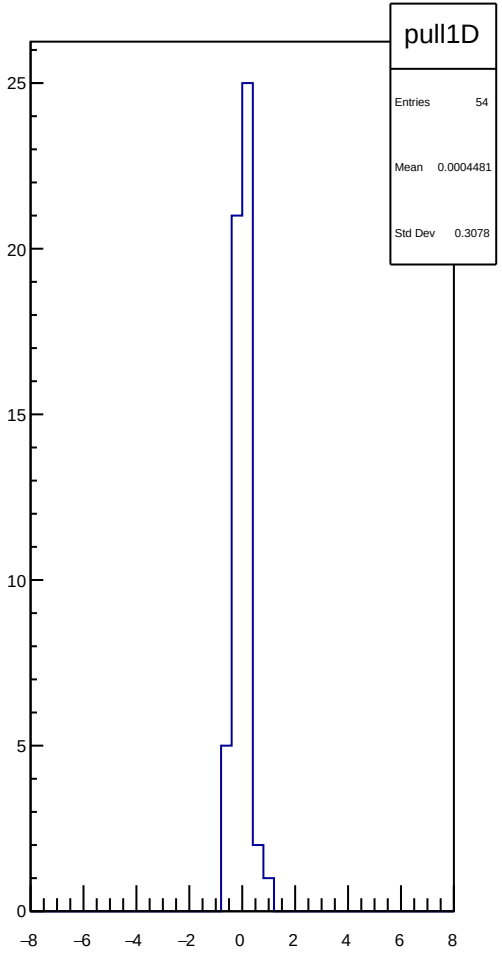

reg_asym_at1_avg_at2_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 57.3 / 53
p0 99.65 ± 0.4192
pull
Entries 54
Mean −77.35
Std Dev 0
pull1D
Entries 54
Mean −0.1244
Std Dev 1.023

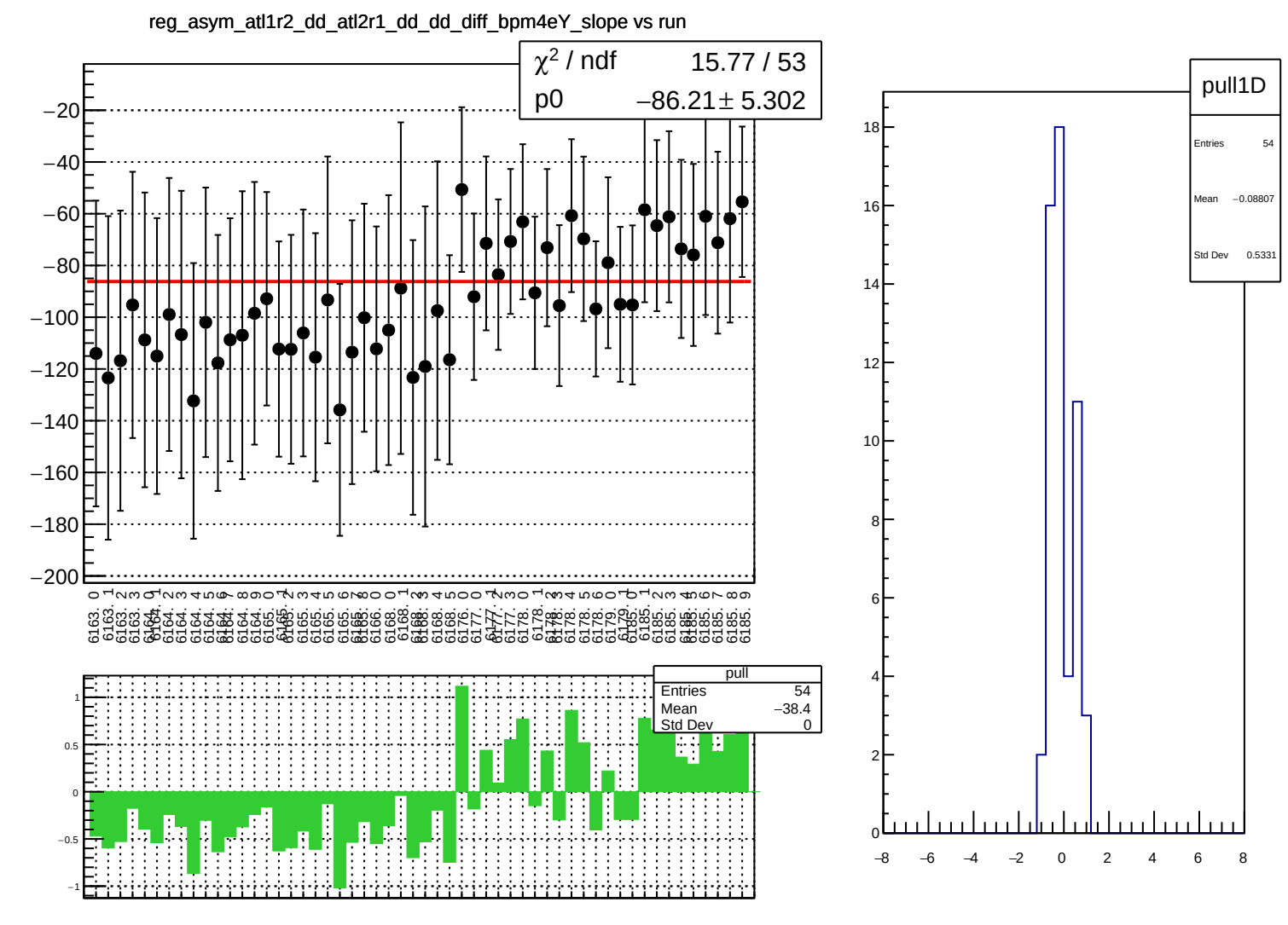

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 11.22 / 53
p0 185.2 ± 4.449
pull
Entries 54
Mean −337.5
Std Dev 0

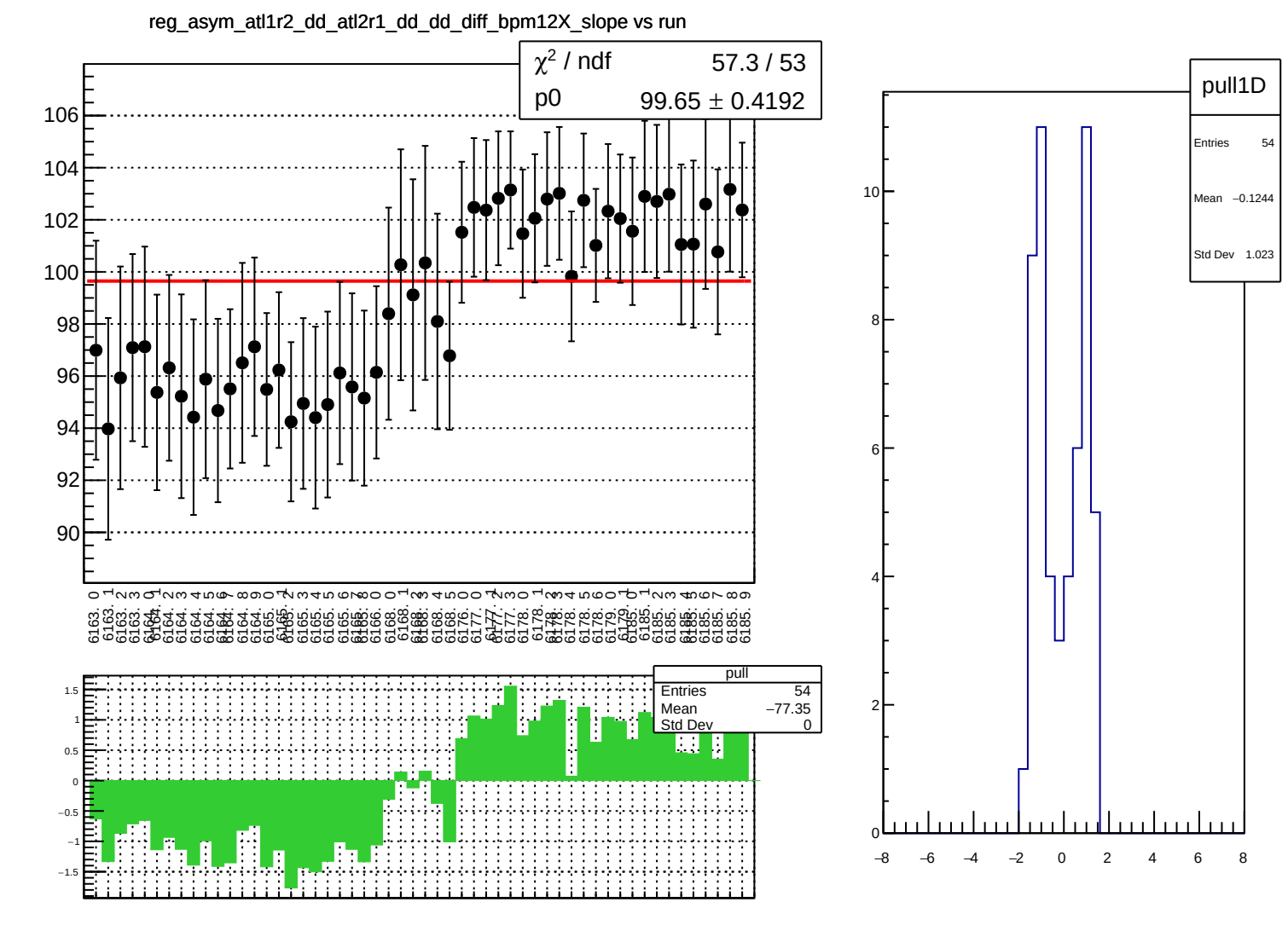

pull1D
Entries 54
Mean −0.01369
Std Dev 0.4556

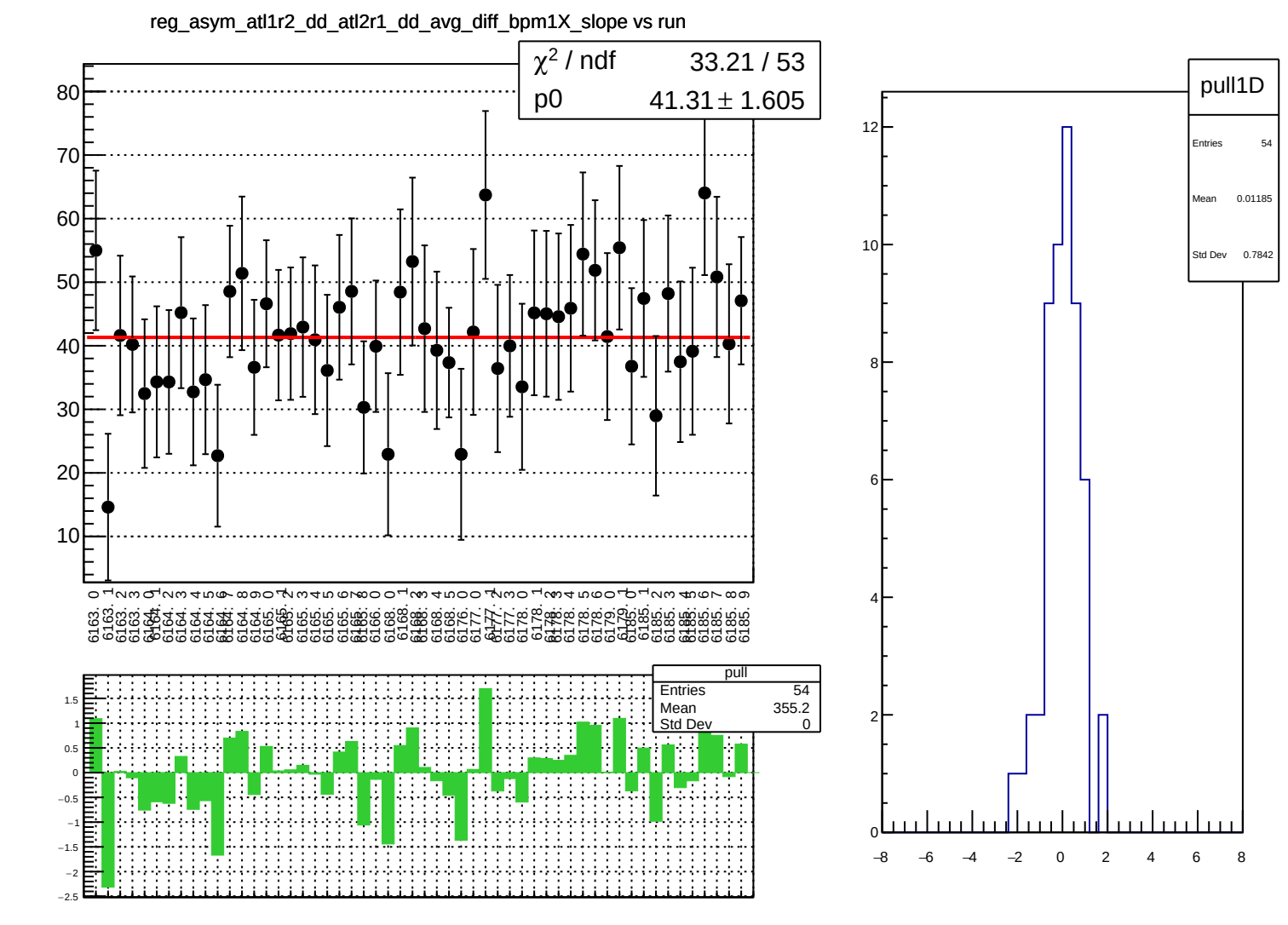

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 11.18 / 53
p0 14.74 ± 4.727
pull
Entries 54
Mean −35.21
Std Dev 0
pull1D
Entries 54
Mean 0.06624
Std Dev 0.4503

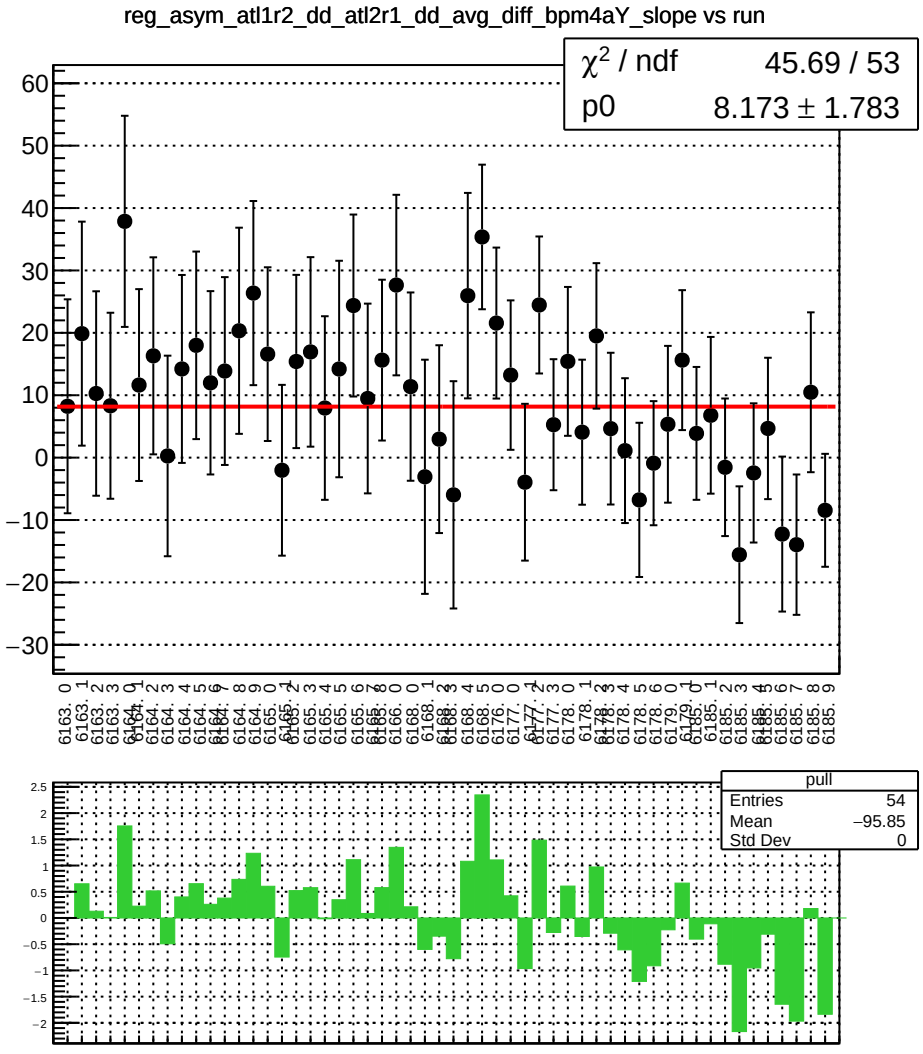

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 5.115 / 53
p0 −248.5 ± 5.162
pull
Entries 54
Mean −3046
Std Dev 0

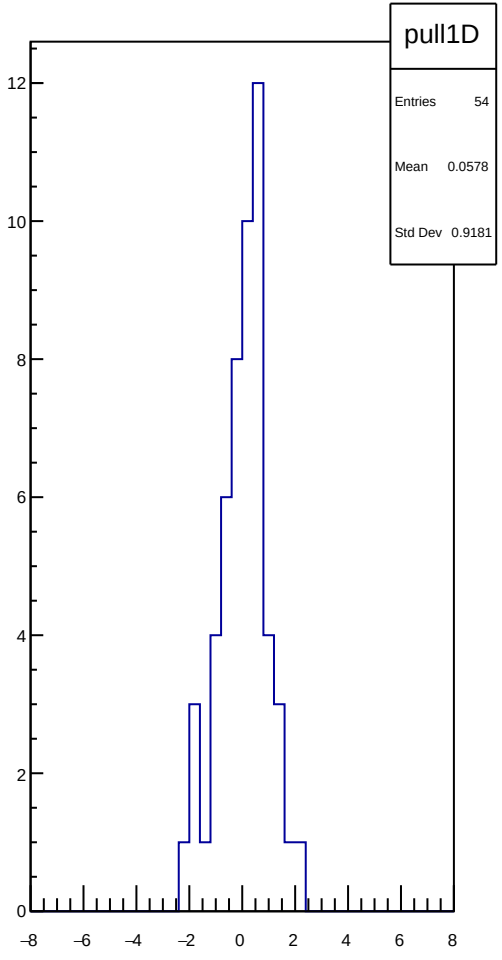

pull1D
Entries 54
Mean 0.0004481
Std Dev 0.3078

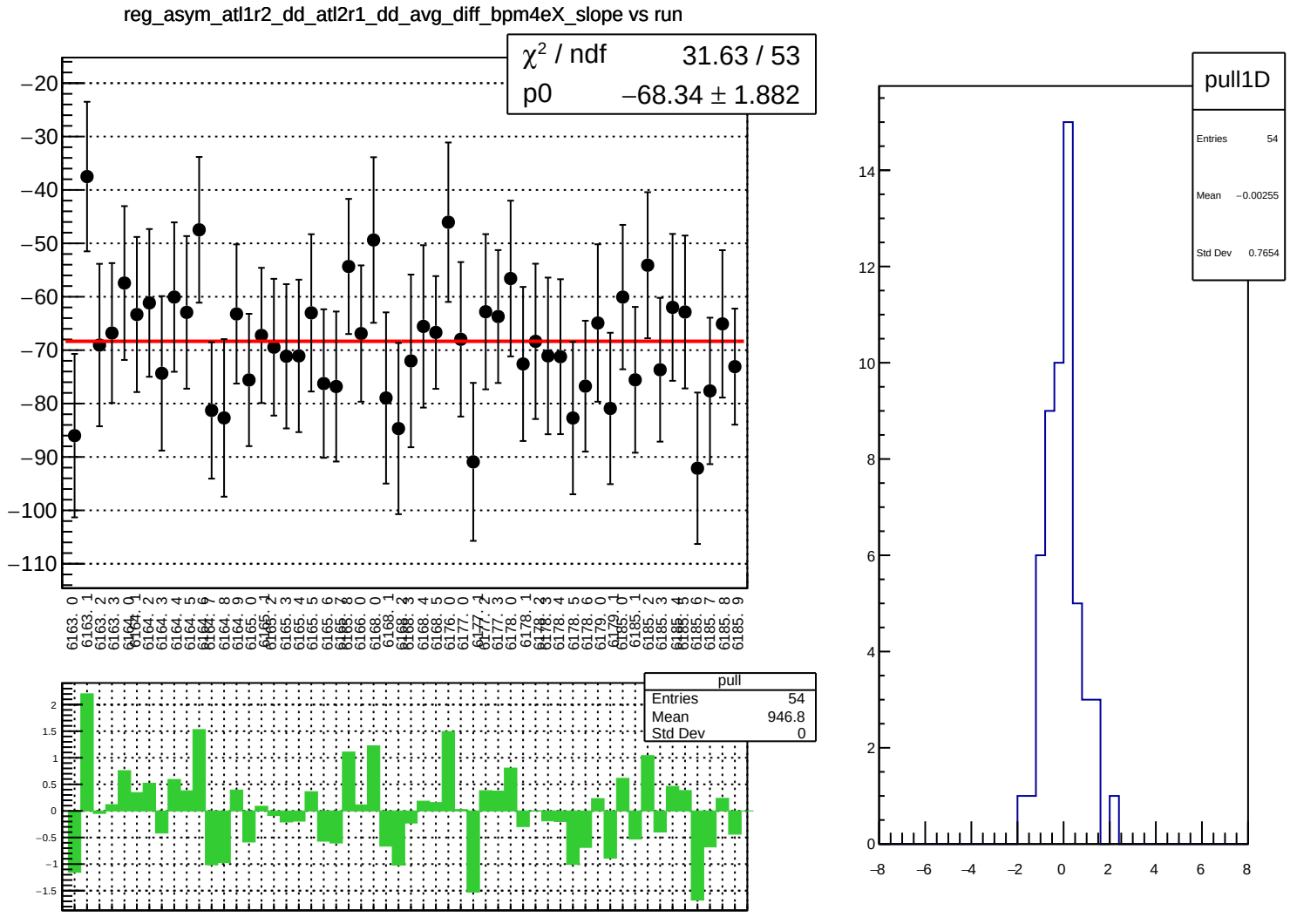

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 15.77 / 53
p0 −86.21 ± 5.302
pull
Entries 54
Mean −38.4
Std Dev 0
pull1D
Entries 54
Mean −0.08807
Std Dev 0.5331

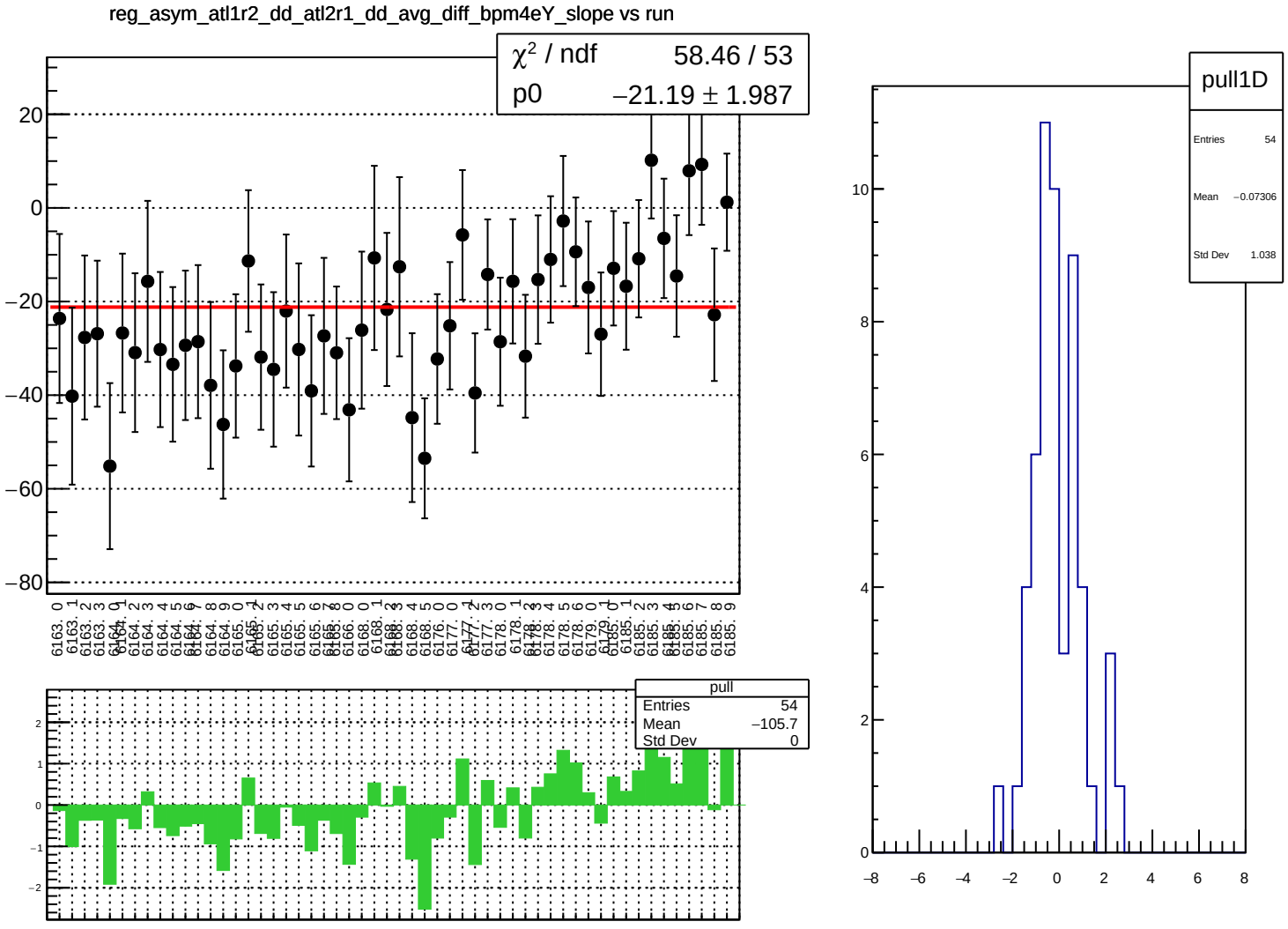

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 57.3 / 53
p0 99.65 ± 0.4192
pull
Entries 54
Mean −77.35
Std Dev 0
pull1D
Entries 54
Mean −0.1244
Std Dev 1.023

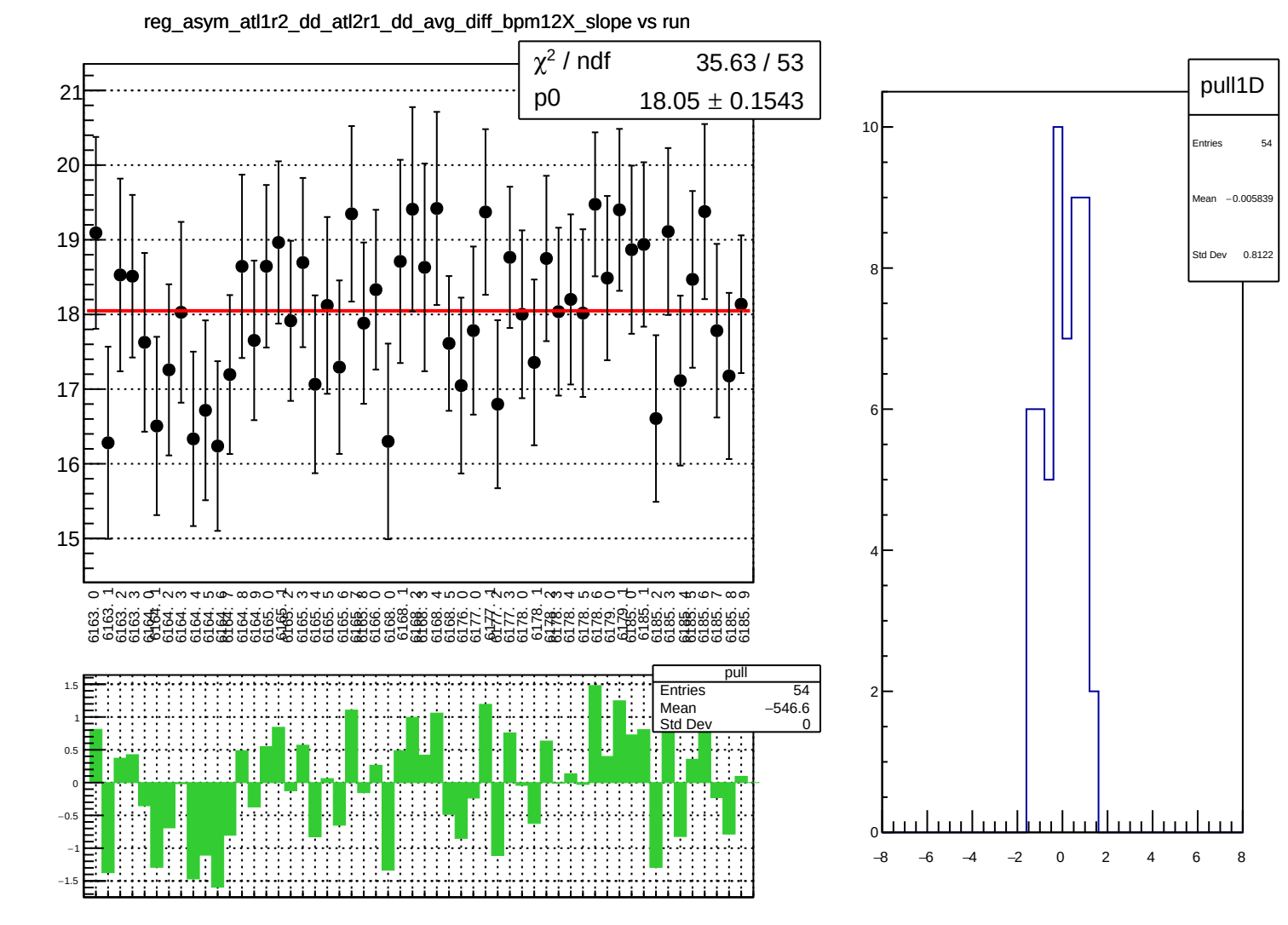

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 33.21 / 53
p0 41.31 ± 1.605
pull
Entries 54
Mean 355.2
Std Dev 0
pull1D
Entries 54
Mean 0.01185
Std Dev 0.7842

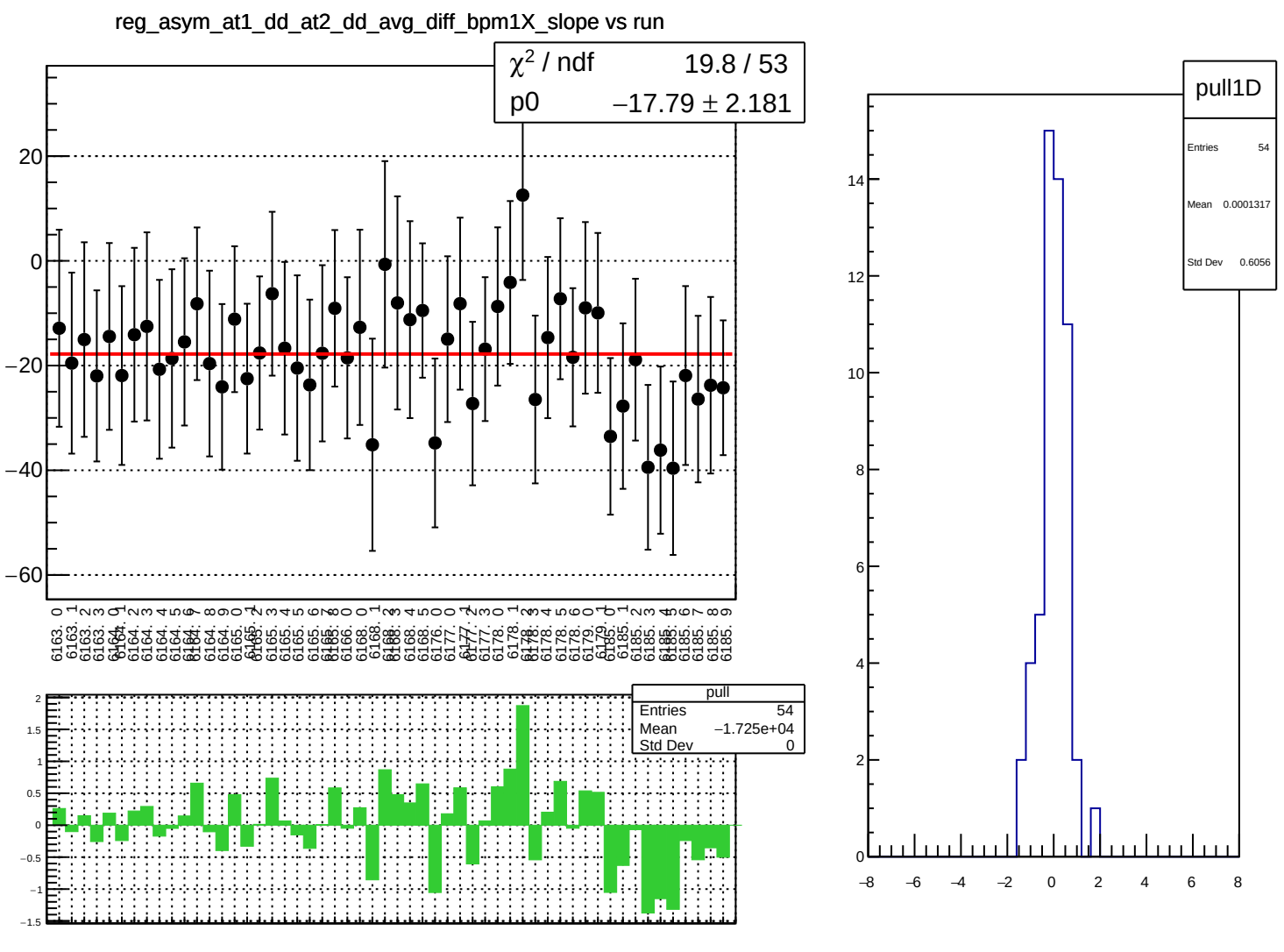

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 45.69 / 53
p0 8.173 ± 1.783
pull
Entries 54
Mean −95.85
Std Dev 0

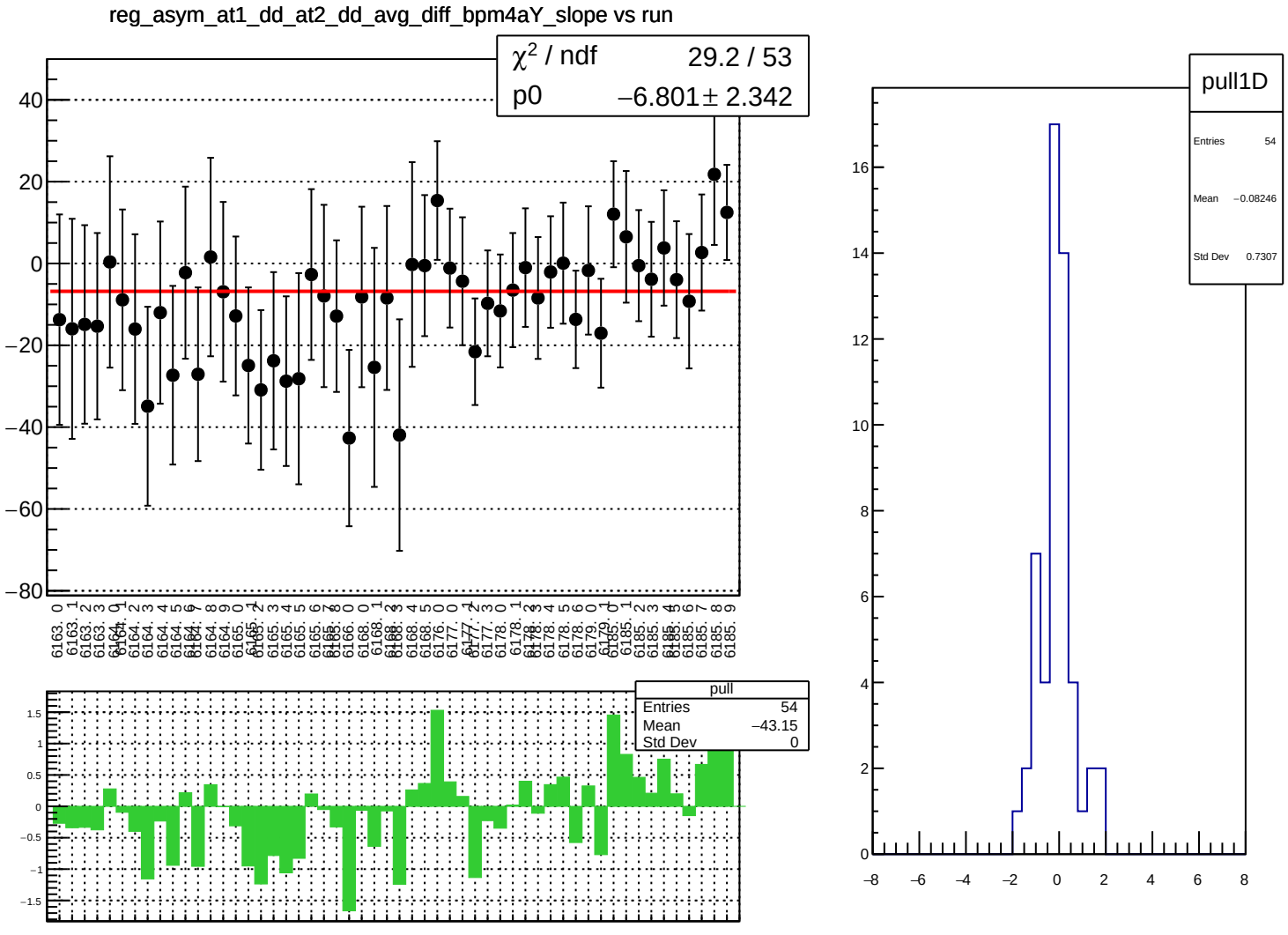

pull1D
Entries 54
Mean 0.0578
Std Dev 0.9181

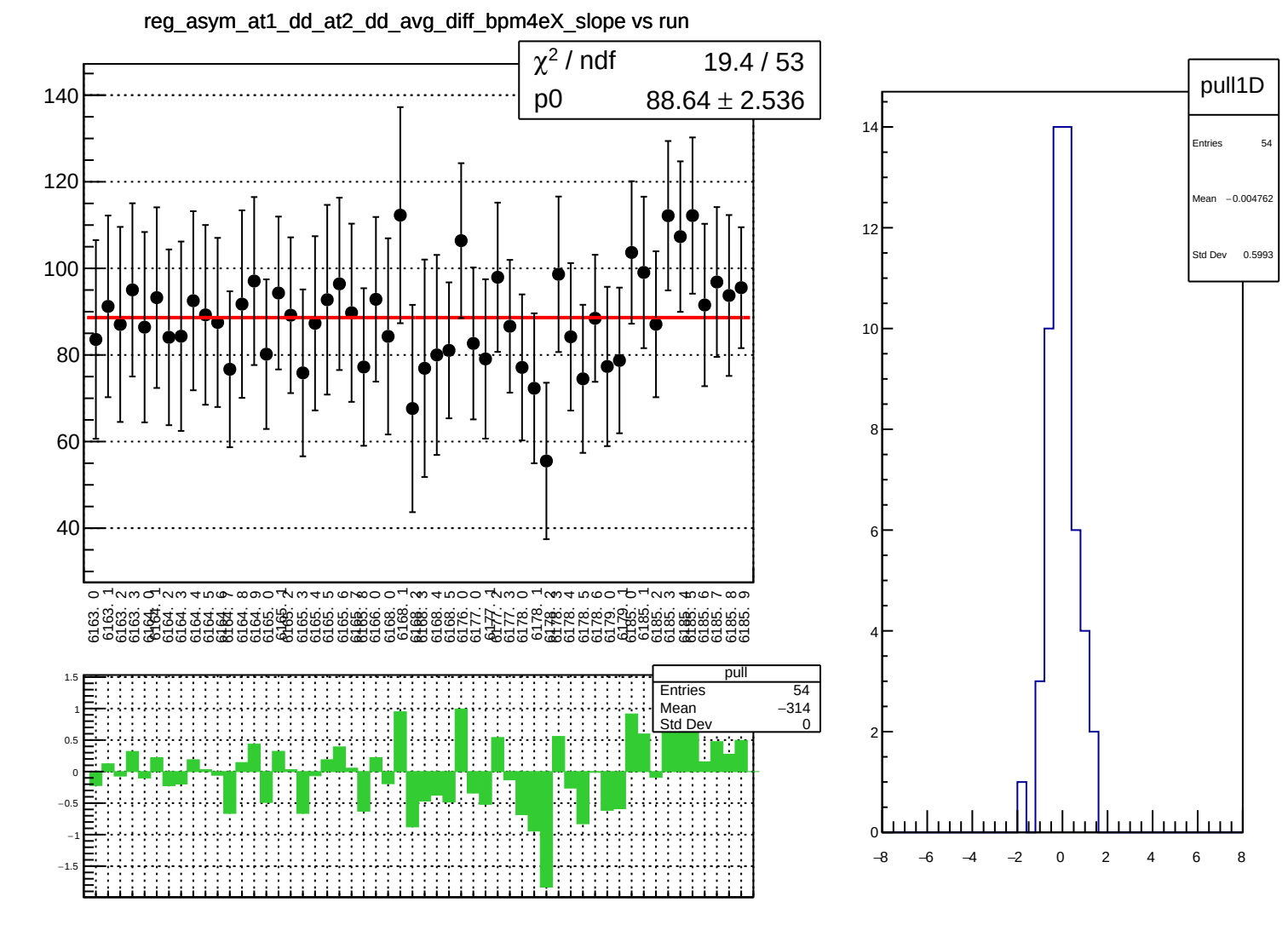

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 31.63 / 53
p0 −68.34 ± 1.882
pull
Entries 54
Mean 946.8
Std Dev 0
pull1D
Entries 54
Mean −0.00255
Std Dev 0.7654

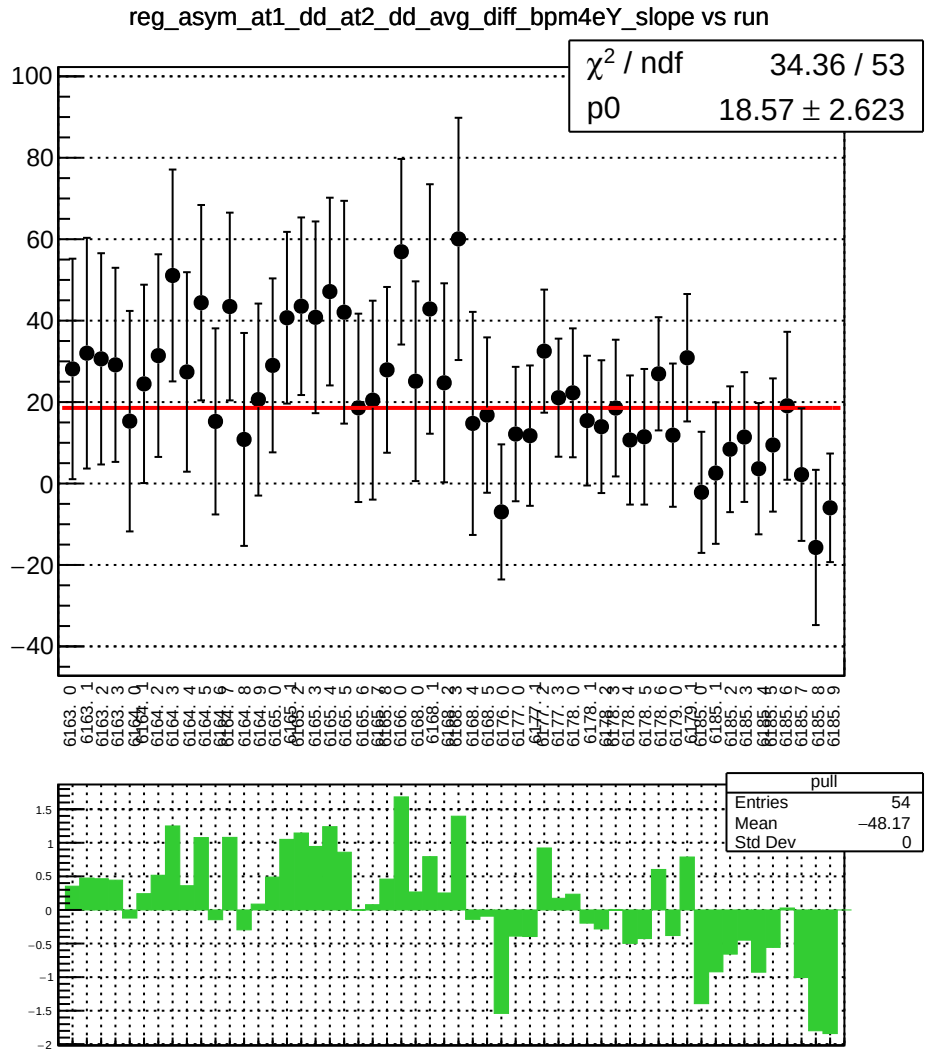

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 58.46 / 53
p0 −21.19 ± 1.987
pull
Entries 54
Mean −105.7
Std Dev 0
pull1D
Entries 54
Mean −0.07306
Std Dev 1.038

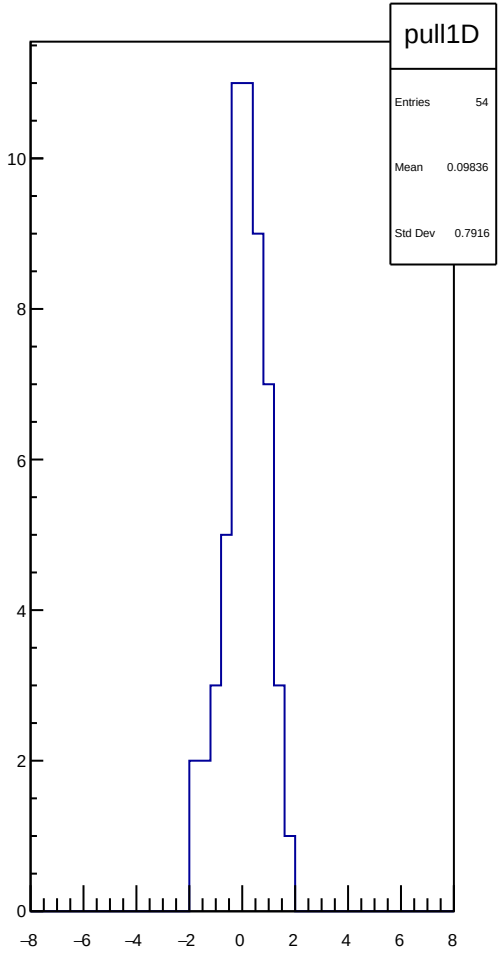

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 35.63 / 53
p0 18.05 ± 0.1543
pull
Entries 54
Mean −546.6
Std Dev 0
pull1D
Entries 54
Mean −0.005839
Std Dev 0.8122

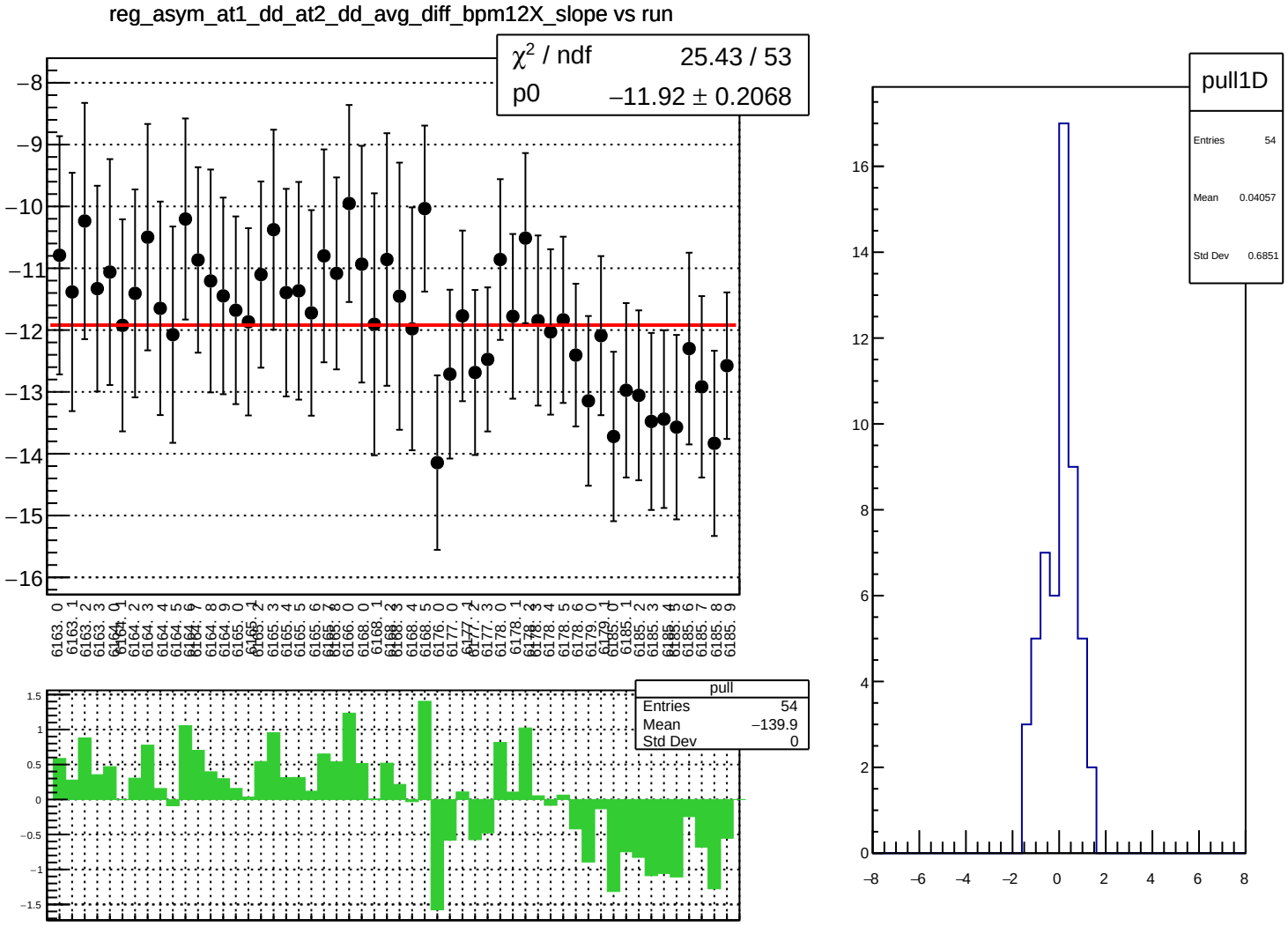

reg_asym_at1_dd_at2_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 19.8 / 53
p0 −17.79 ± 2.181
pull
Entries 54
Mean −1.725e+04
Std Dev 0
pull1D
Entries 54
Mean 0.0001317
Std Dev 0.6056

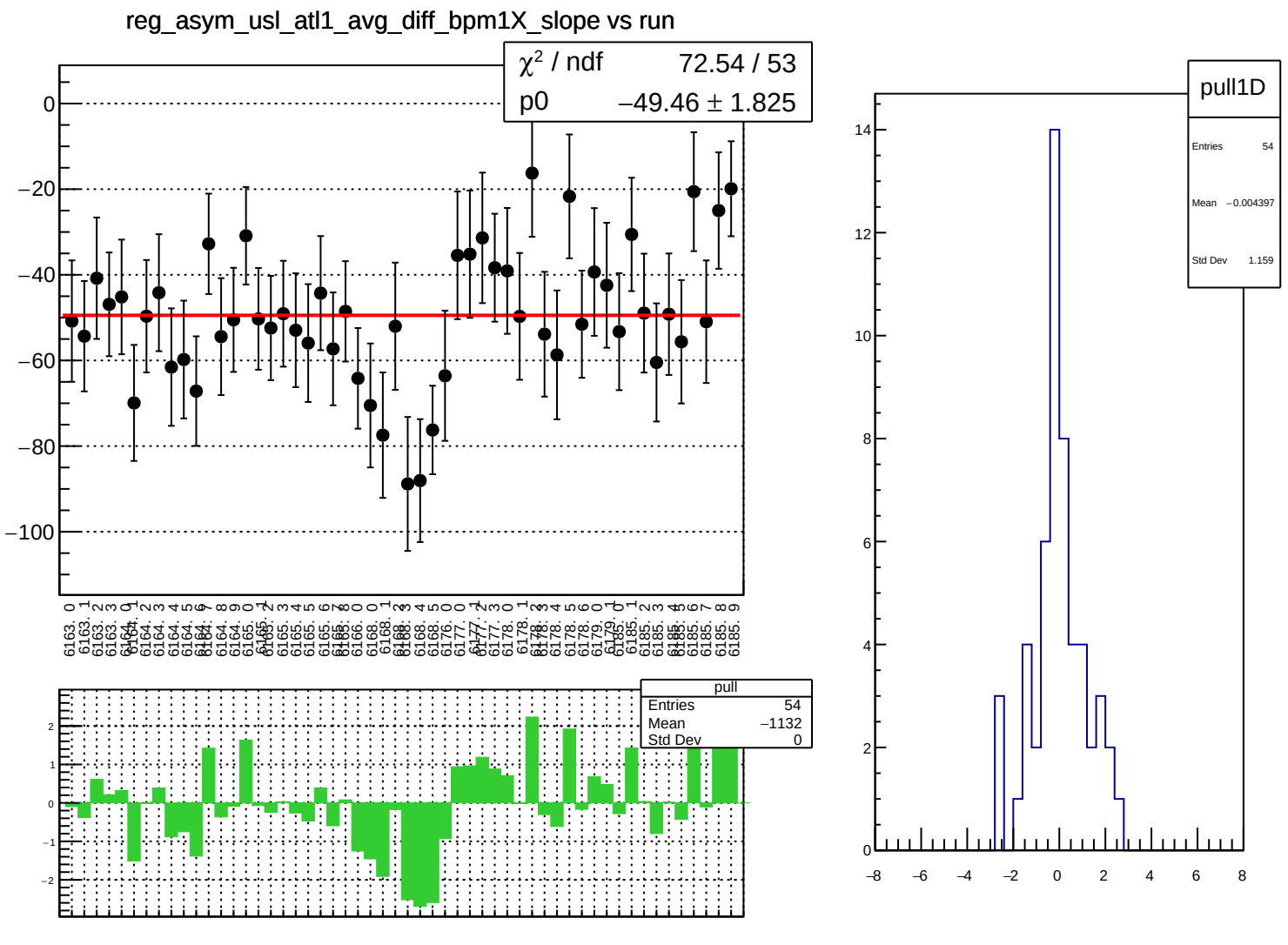

reg_asym_at1_dd_at2_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 29.2 / 53
p0 −6.801 ± 2.342
pull
Entries 54
Mean −43.15
Std Dev 0
pull1D
Entries 54
Mean −0.08246
Std Dev 0.7307

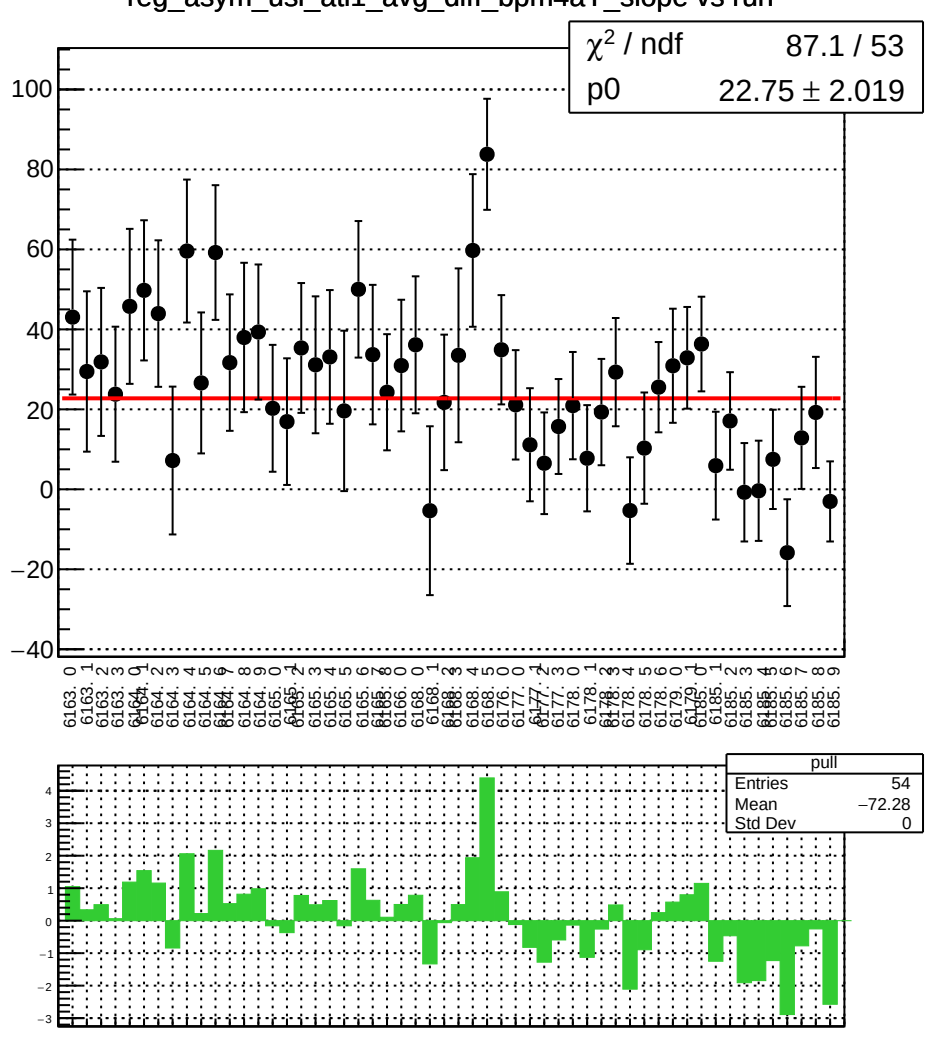

reg_asym_at1_dd_at2_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 19.4 / 53
p0 88.64 ± 2.536
pull
Entries 54
Mean −314
Std Dev 0
pull1D
Entries 54
Mean −0.004762
Std Dev 0.5993

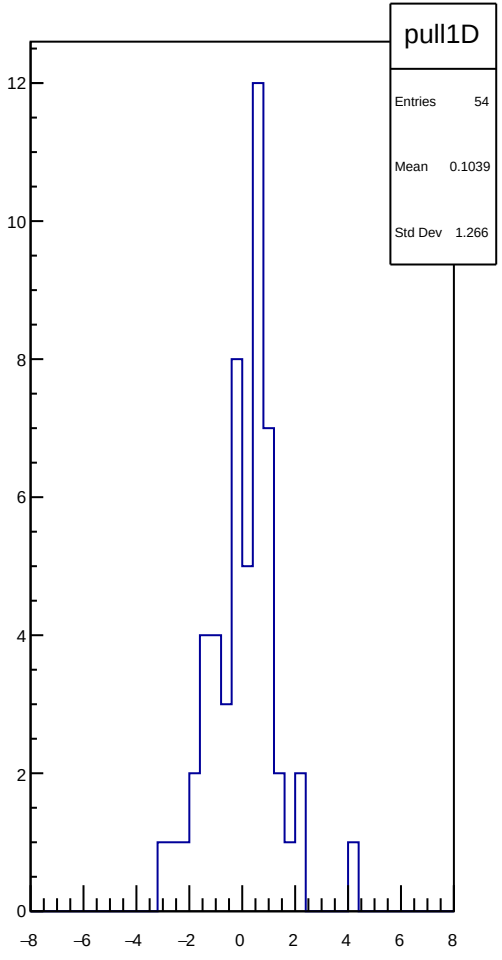

reg_asym_at1_dd_at2_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 34.36 / 53
p0 18.57 ± 2.623
pull
Entries 54
Mean −48.17
Std Dev 0

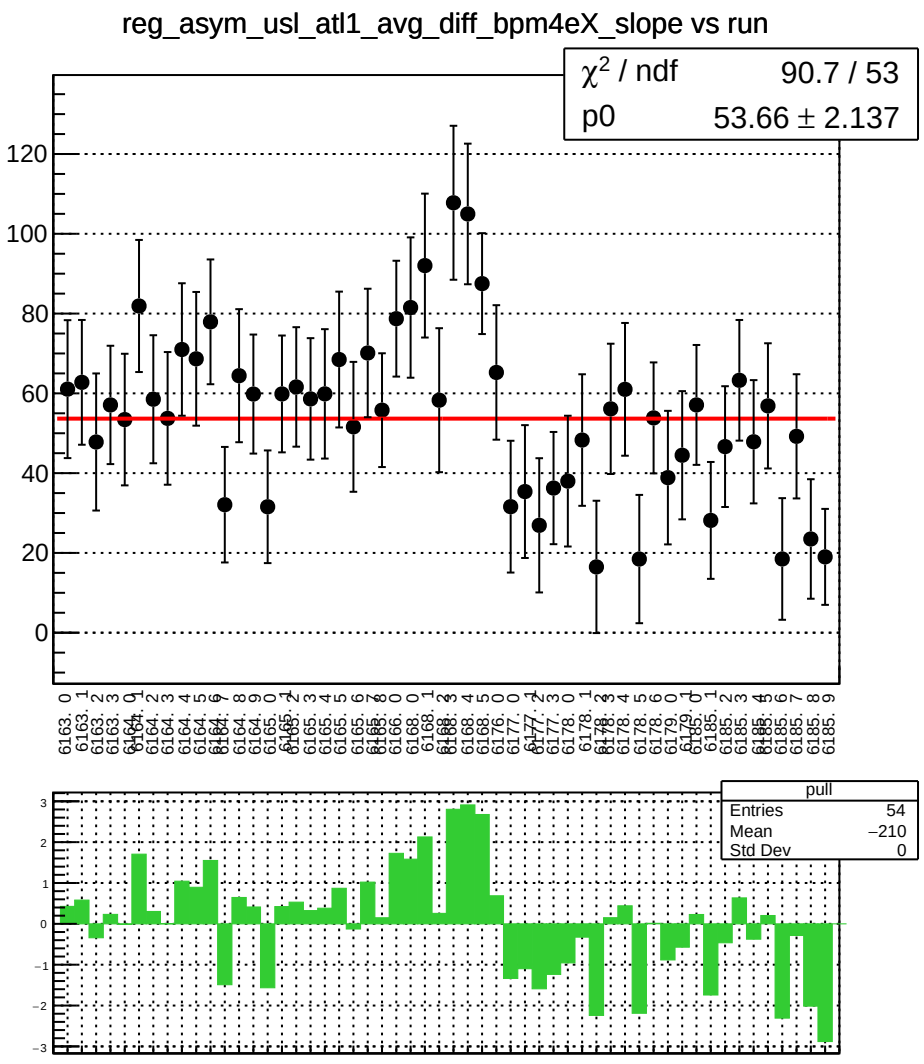

pull1D
Entries 54
Mean 0.09836
Std Dev 0.7916

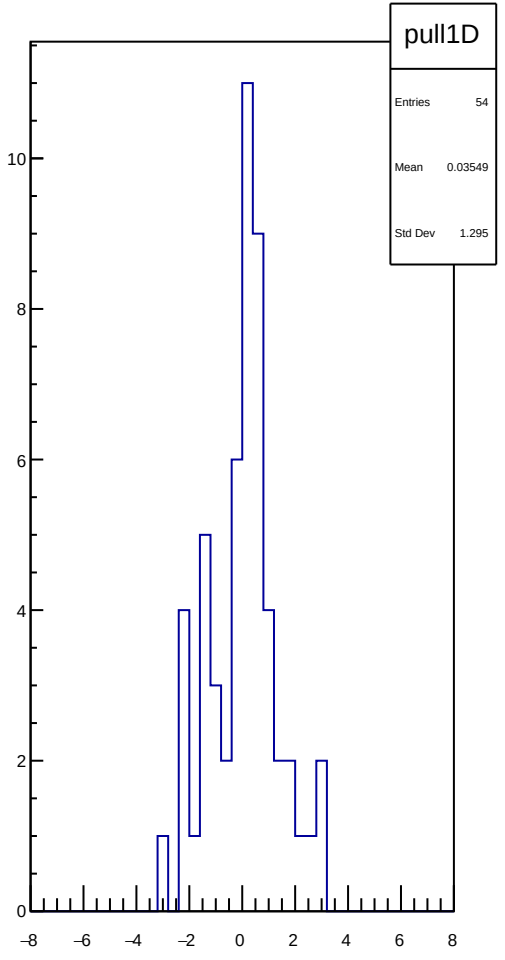

reg_asym_at1_dd_at2_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 25.43 / 53
p0 −11.92 ± 0.2068
pull
Entries 54
Mean −139.9
Std Dev 0
pull1D
Entries 54
Mean 0.04057
Std Dev 0.6851

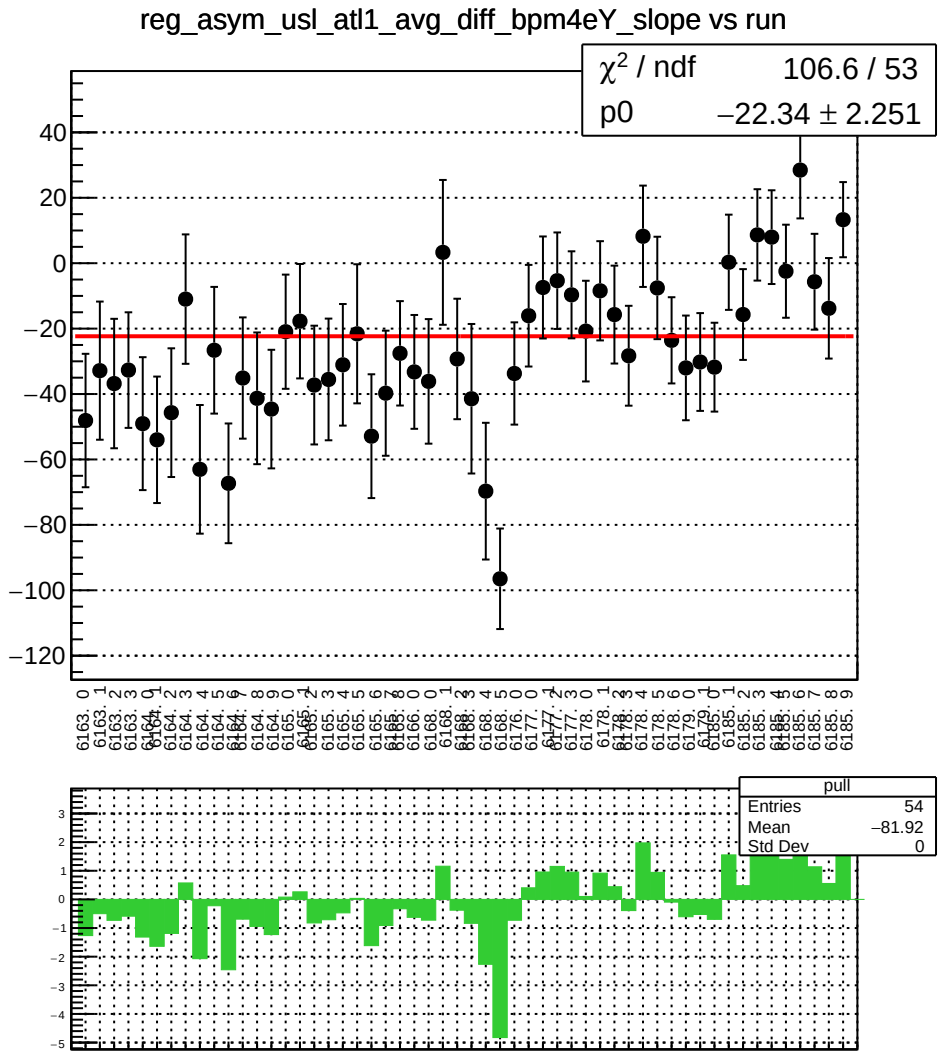

reg_asym_usl_atl1_avg_diff_bpm1X_slope vs run
χ² / ndf 72.54 / 53
p0 −49.46 ± 1.825
pull
Entries 54
Mean −1132
Std Dev 0
pull1D
Entries 54
Mean −0.004397
Std Dev 1.159

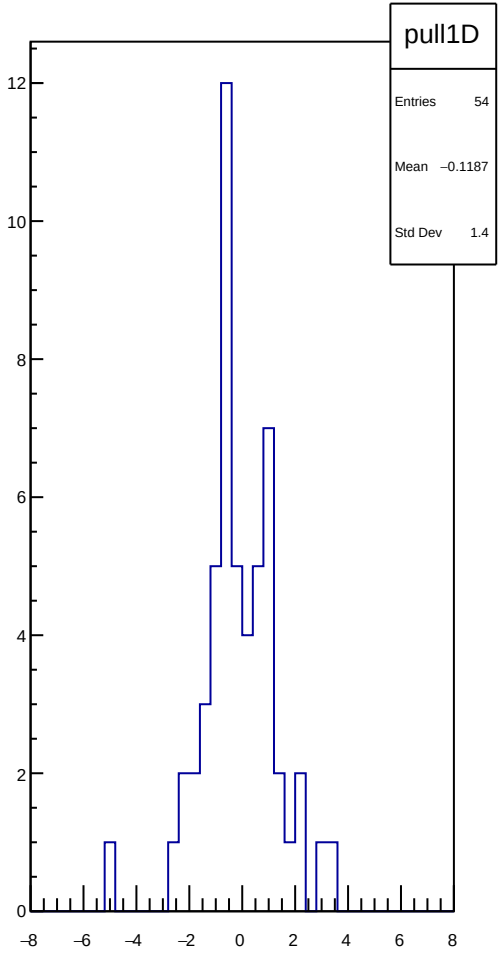

reg_asym_usl_atl1_avg_diff_bpm4aY_slope vs run
χ² / ndf 87.1 / 53
p0 22.75 ± 2.019
pull
Entries 54
Mean −72.28
Std Dev 0

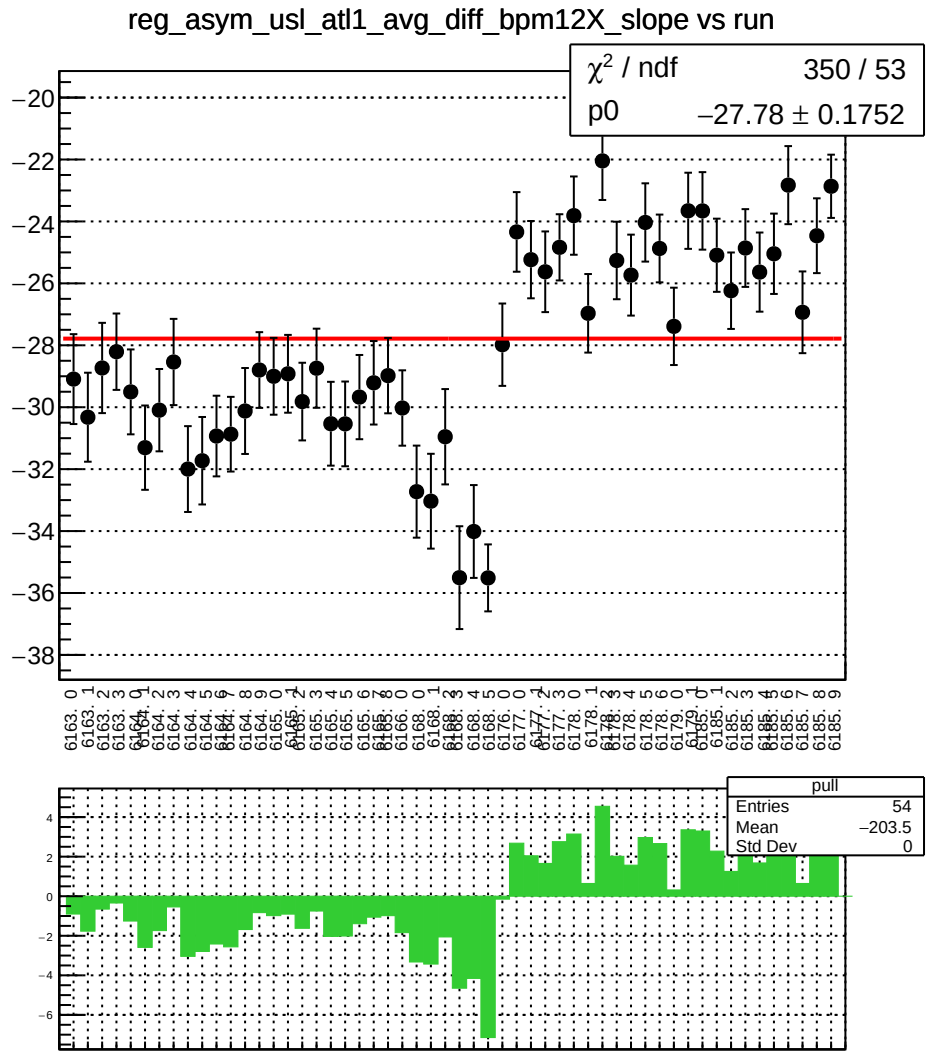

pull1D
Entries 54
Mean 0.1039
Std Dev 1.266

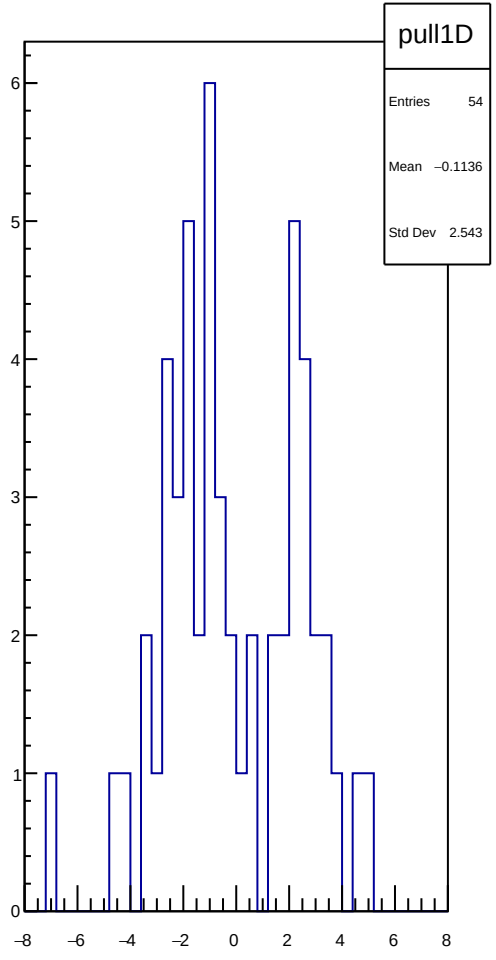

reg_asym_usl_atl1_avg_diff_bpm4eX_slope vs run
χ² / ndf 90.7 / 53
p0 53.66 ± 2.137
pull
Entries 54
Mean −210
Std Dev 0

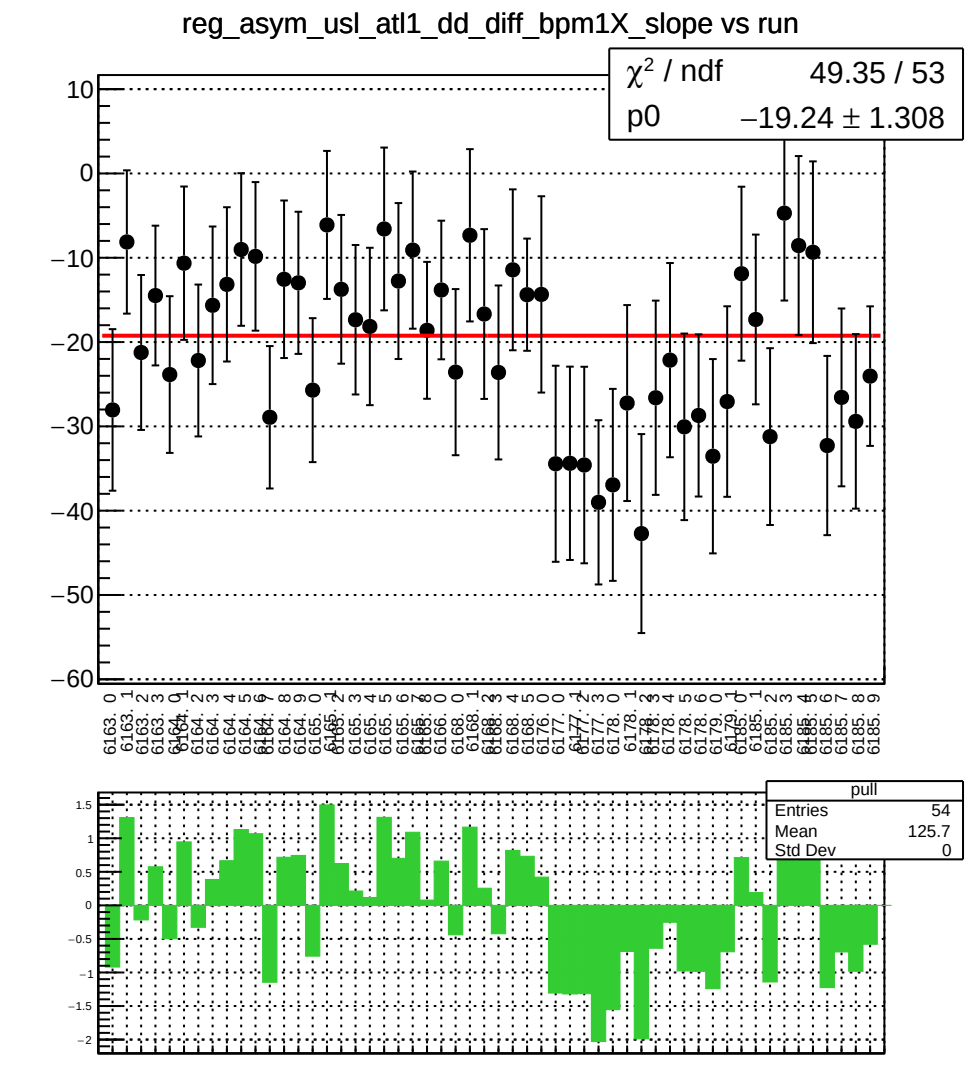

pull1D
Entries 54
Mean 0.03549
Std Dev 1.295

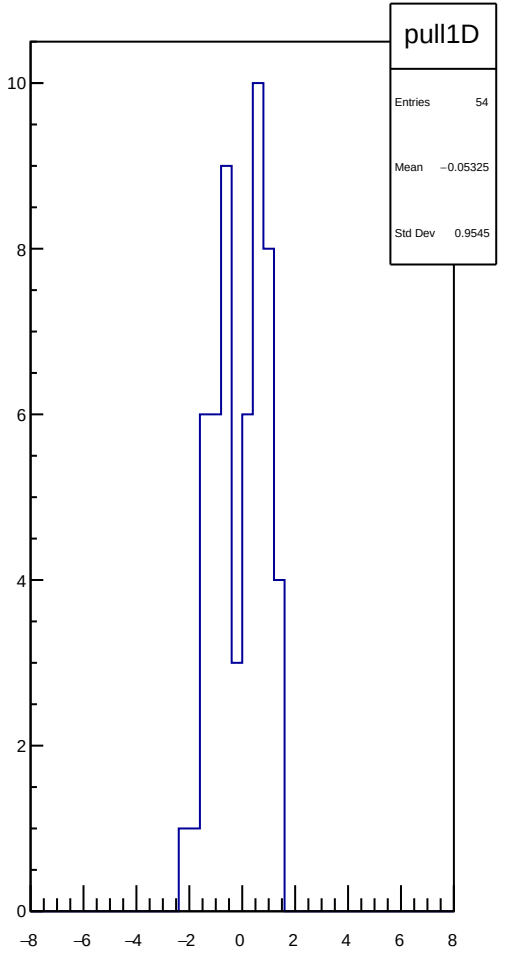

reg_asym_usl_atl1_avg_diff_bpm4eY_slope vs run
χ² / ndf 106.6 / 53
p0 −22.34 ± 2.251
pull
Entries 54
Mean −81.92
Std Dev 0

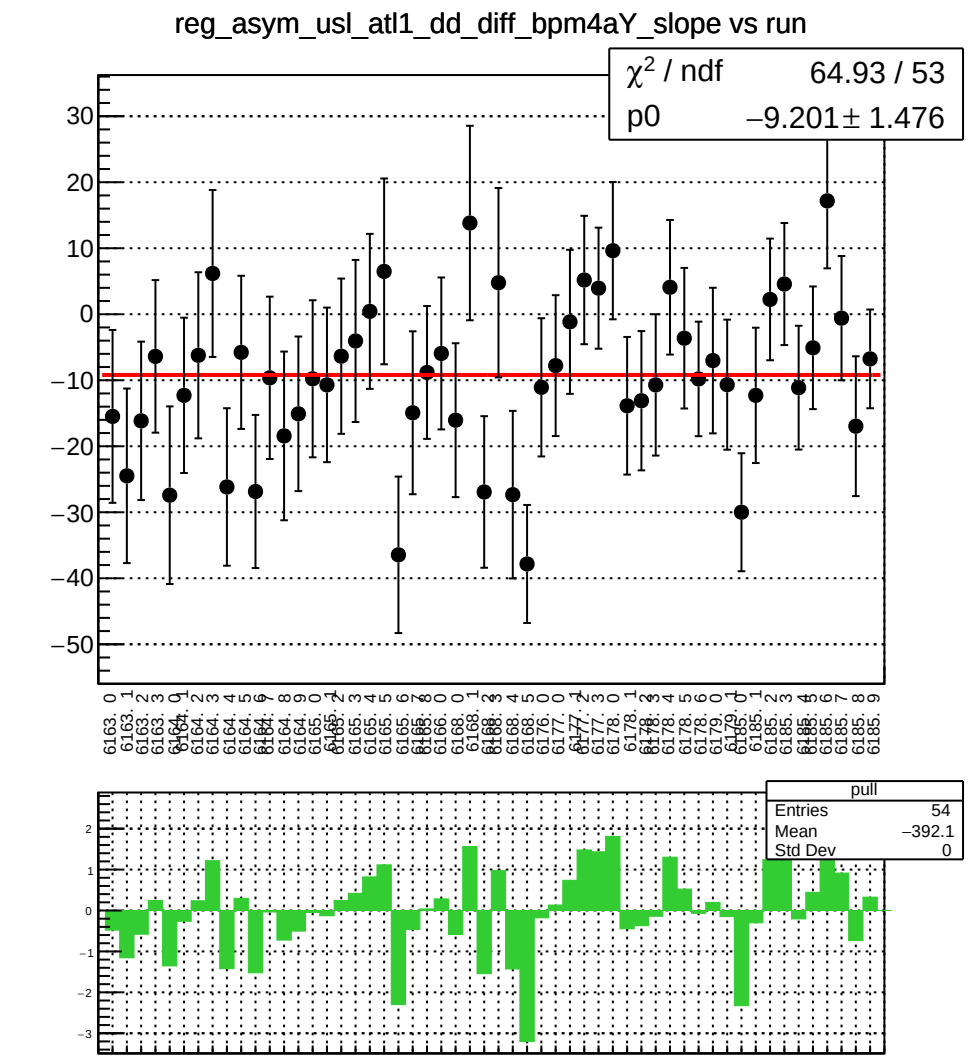

pull1D
Entries 54
Mean −0.1187
Std Dev 1.4

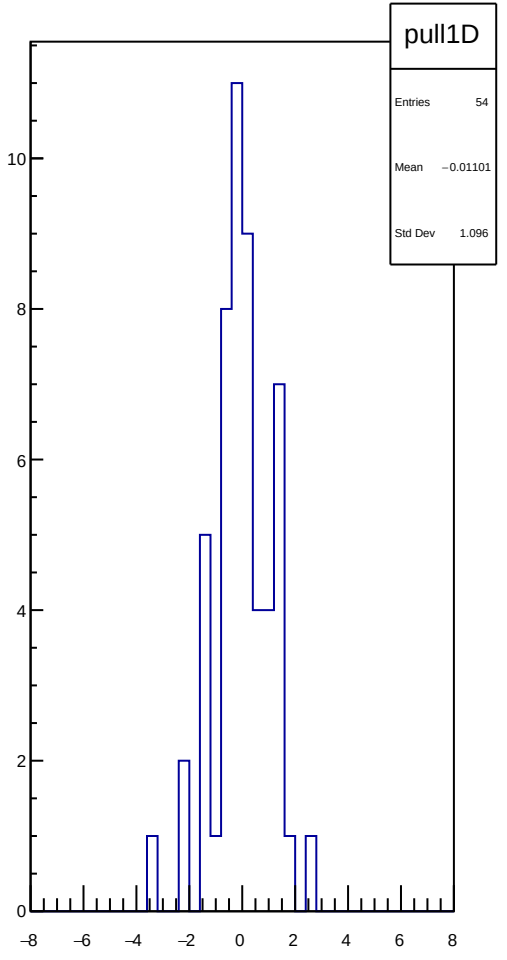

reg_asym_usl_atl1_avg_diff_bpm12X_slope vs run
χ² / ndf 350 / 53
p0 −27.78 ± 0.1752
pull
Entries 54
Mean −203.5
Std Dev 0

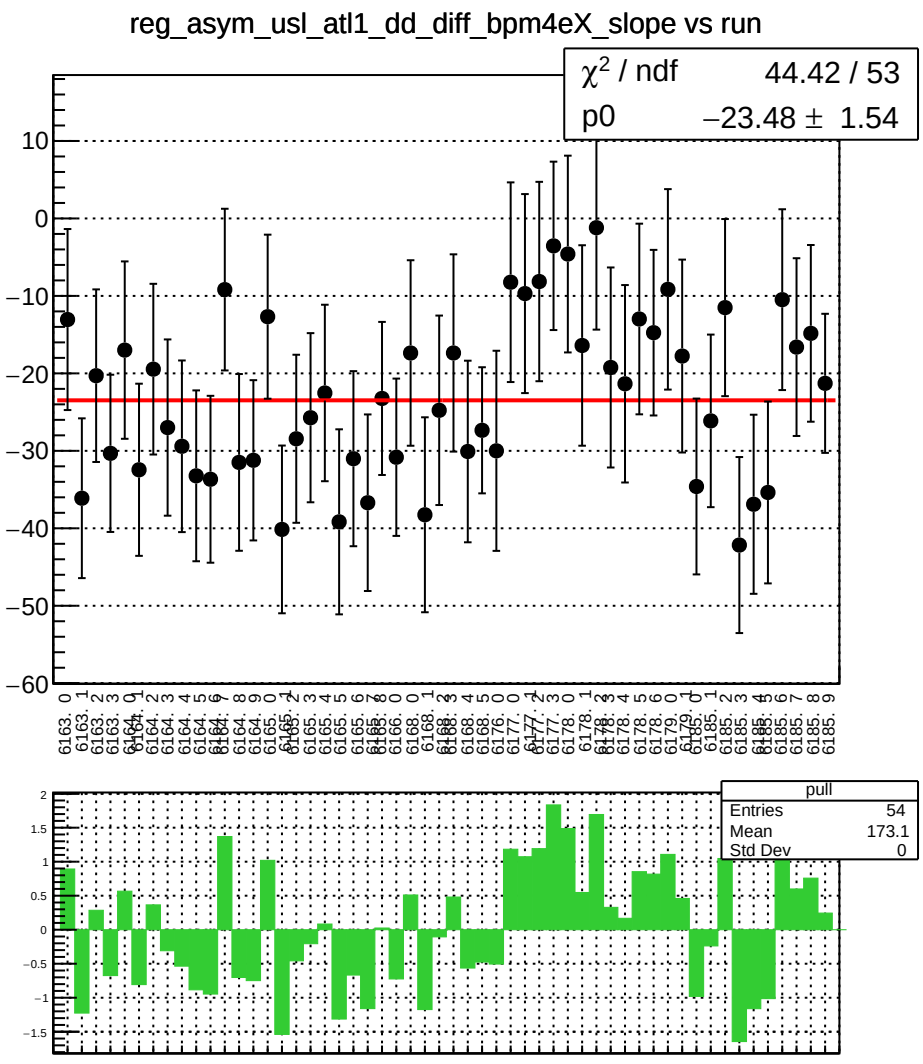

pull1D
Entries 54
Mean −0.1136
Std Dev 2.543

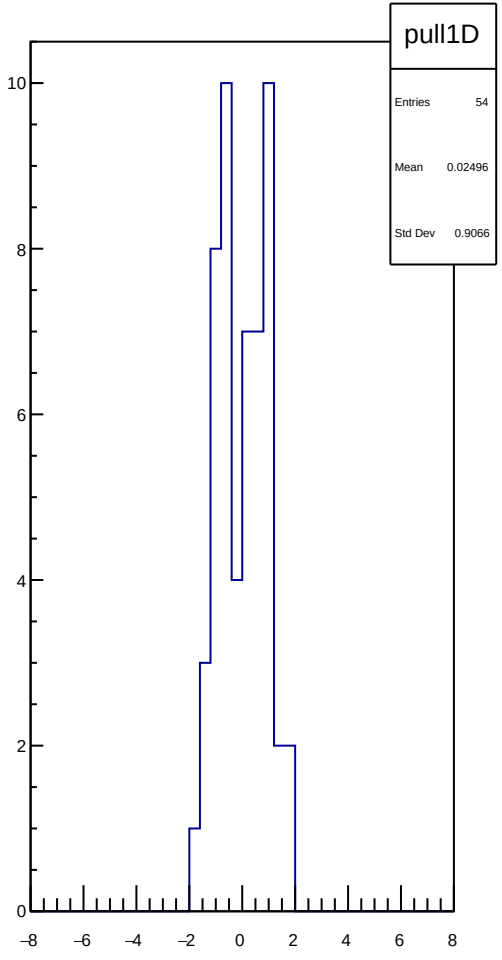

reg_asym_usl_atl1_dd_diff_bpm1X_slope vs run
χ² / ndf 49.35 / 53
p0 −19.24 ± 1.308
pull
Entries 54
Mean 125.7
Std Dev 0

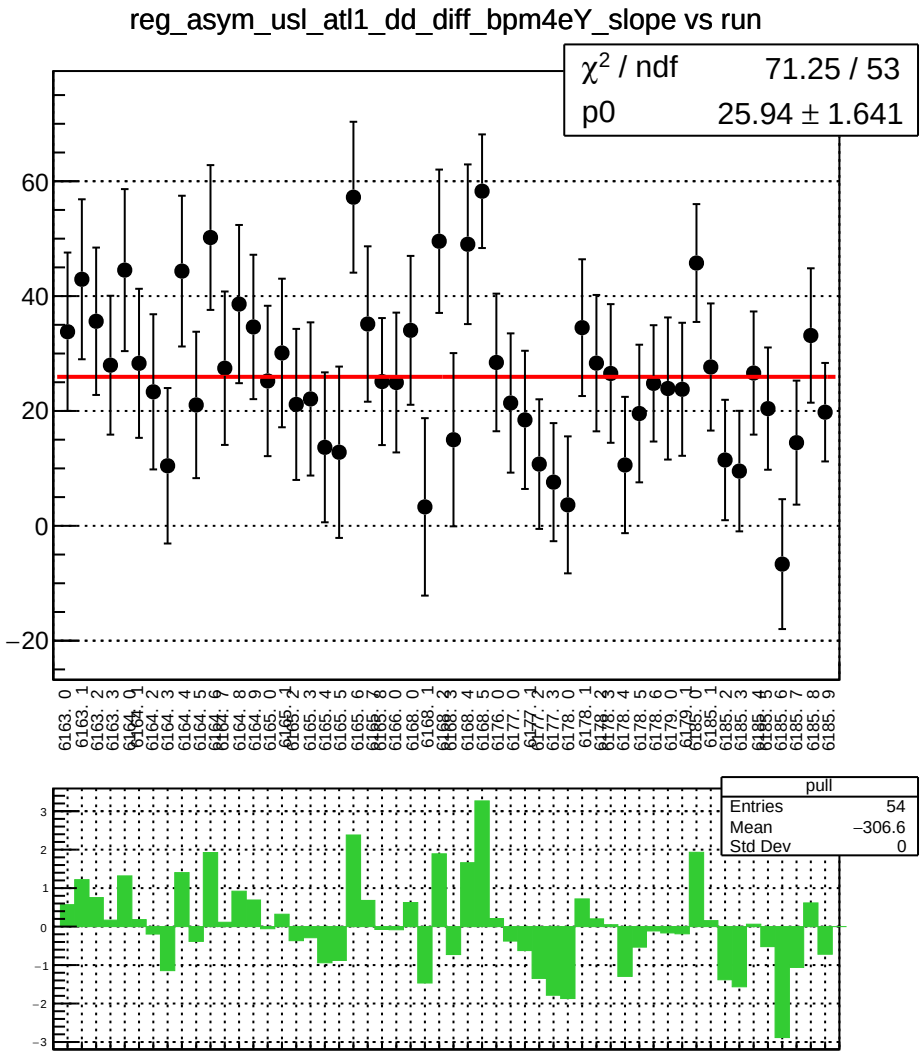

pull1D
Entries 54
Mean −0.05325
Std Dev 0.9545

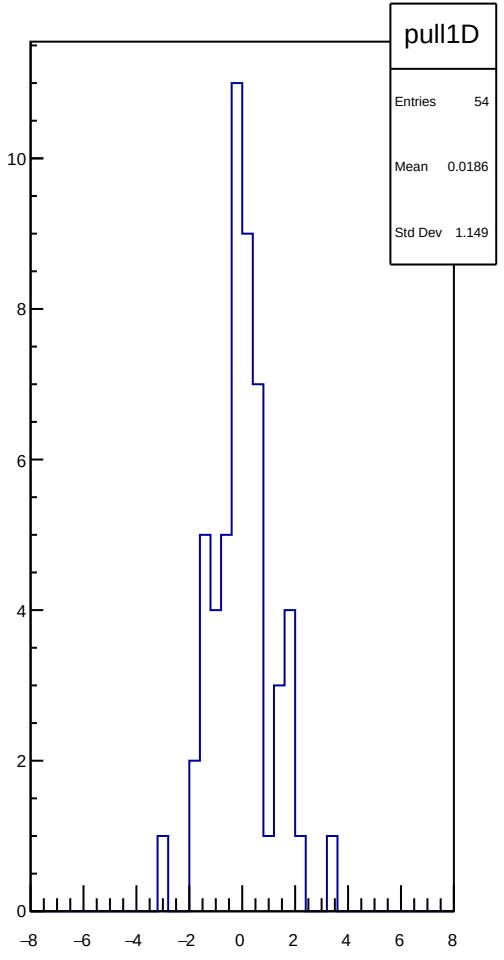

reg_asym_usl_atl1_dd_diff_bpm4aY_slope vs run
χ² / ndf 64.93 / 53
p0 −9.201 ± 1.476
pull
Entries 54
Mean −392.1
Std Dev 0

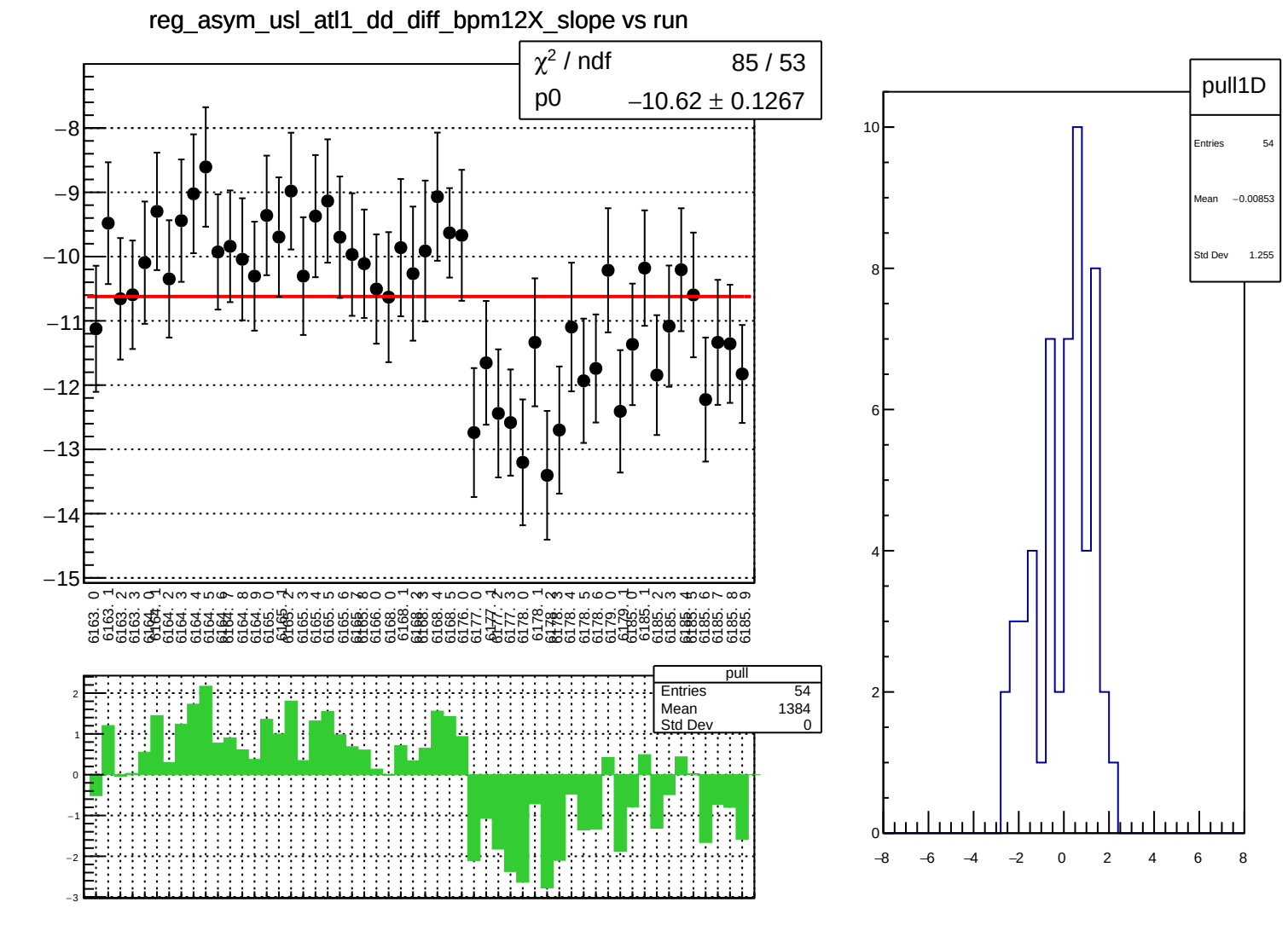

pull1D
Entries 54
Mean −0.01101
Std Dev 1.096

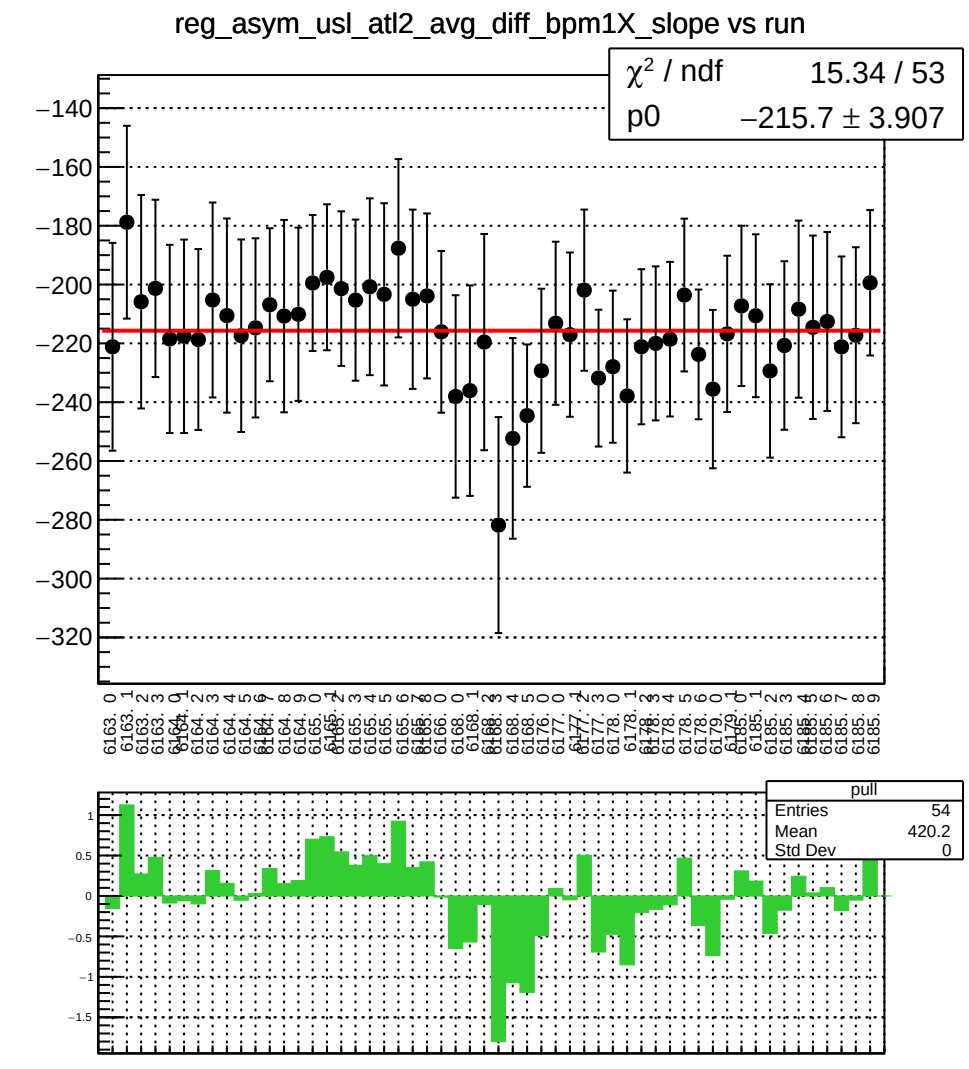

reg_asym_usl_atl1_dd_diff_bpm4eX_slope vs run
χ² / ndf 44.42 / 53
p0 −23.48 ± 1.54
pull
Entries 54
Mean 173.1
Std Dev 0

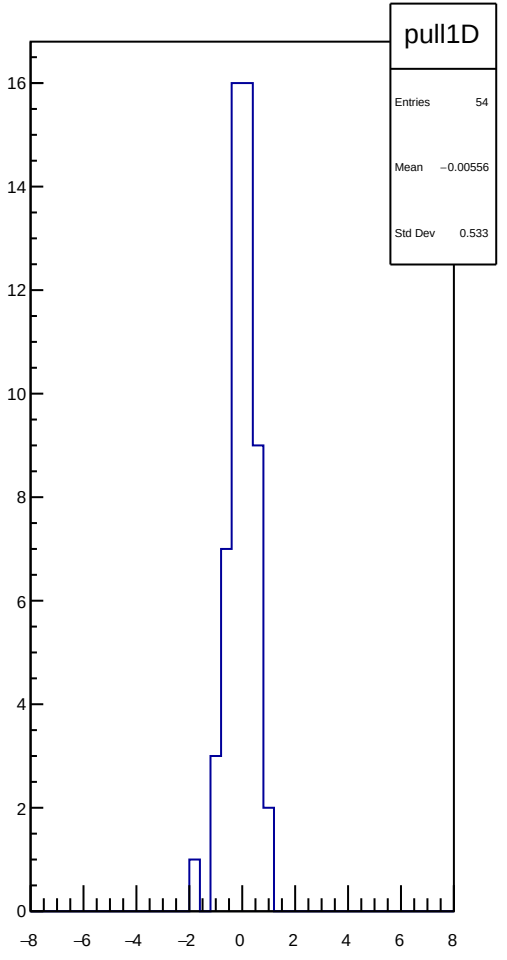

pull1D
Entries 54
Mean 0.02496
Std Dev 0.9066

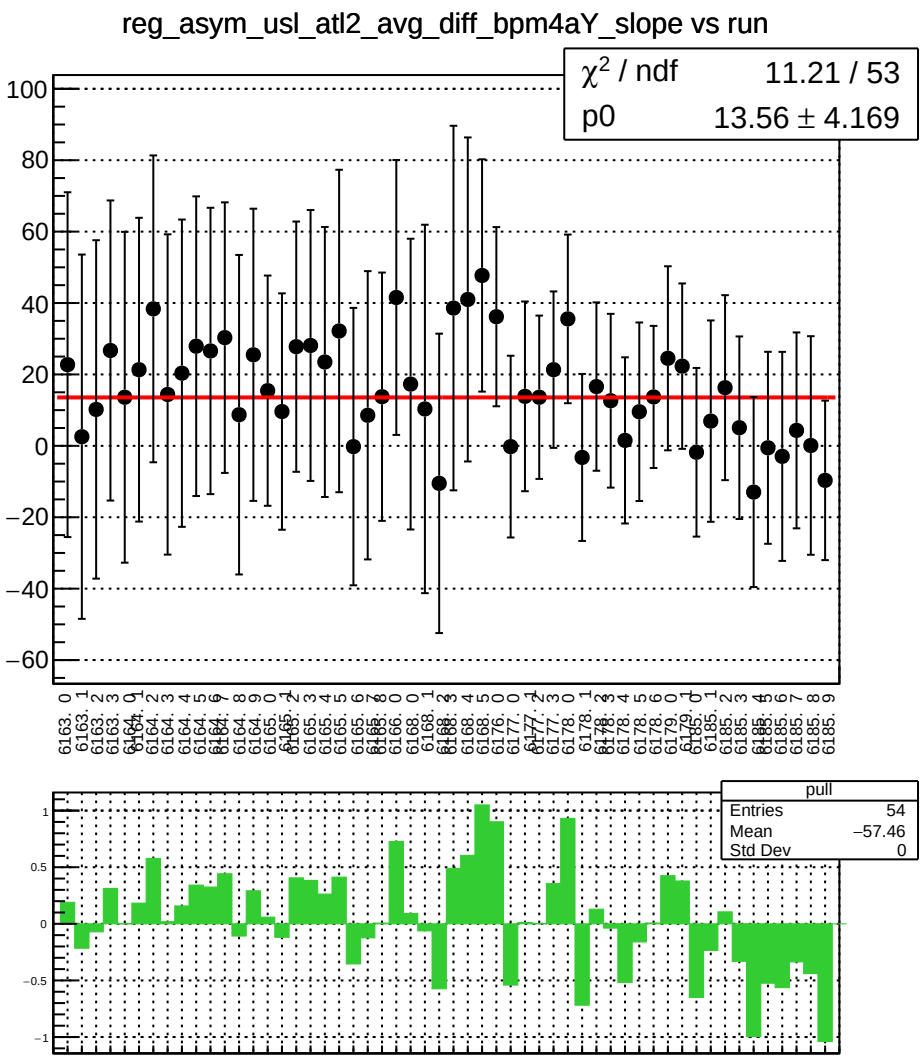

reg_asym_usl_atl1_dd_diff_bpm4eY_slope vs run
χ² / ndf 71.25 / 53
p0 25.94 ± 1.641
pull
Entries 54
Mean −306.6
Std Dev 0

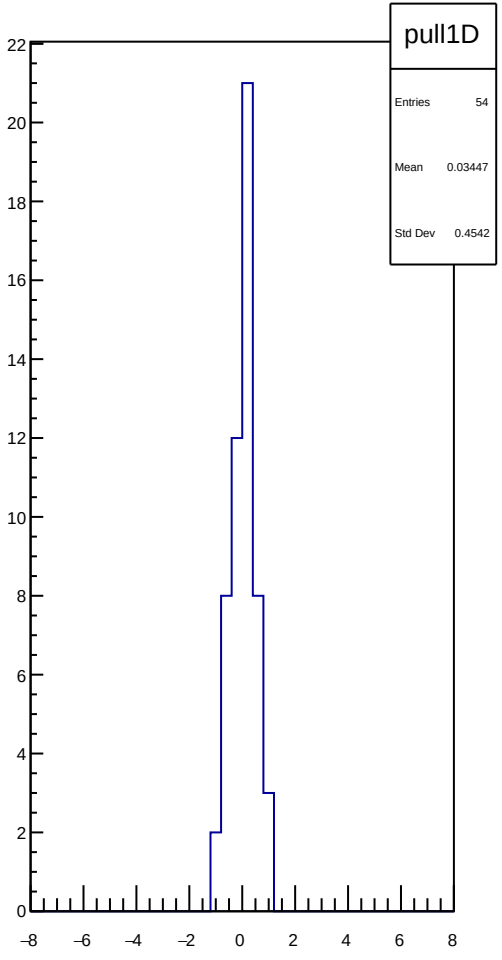

pull1D
Entries 54
Mean 0.0186
Std Dev 1.149

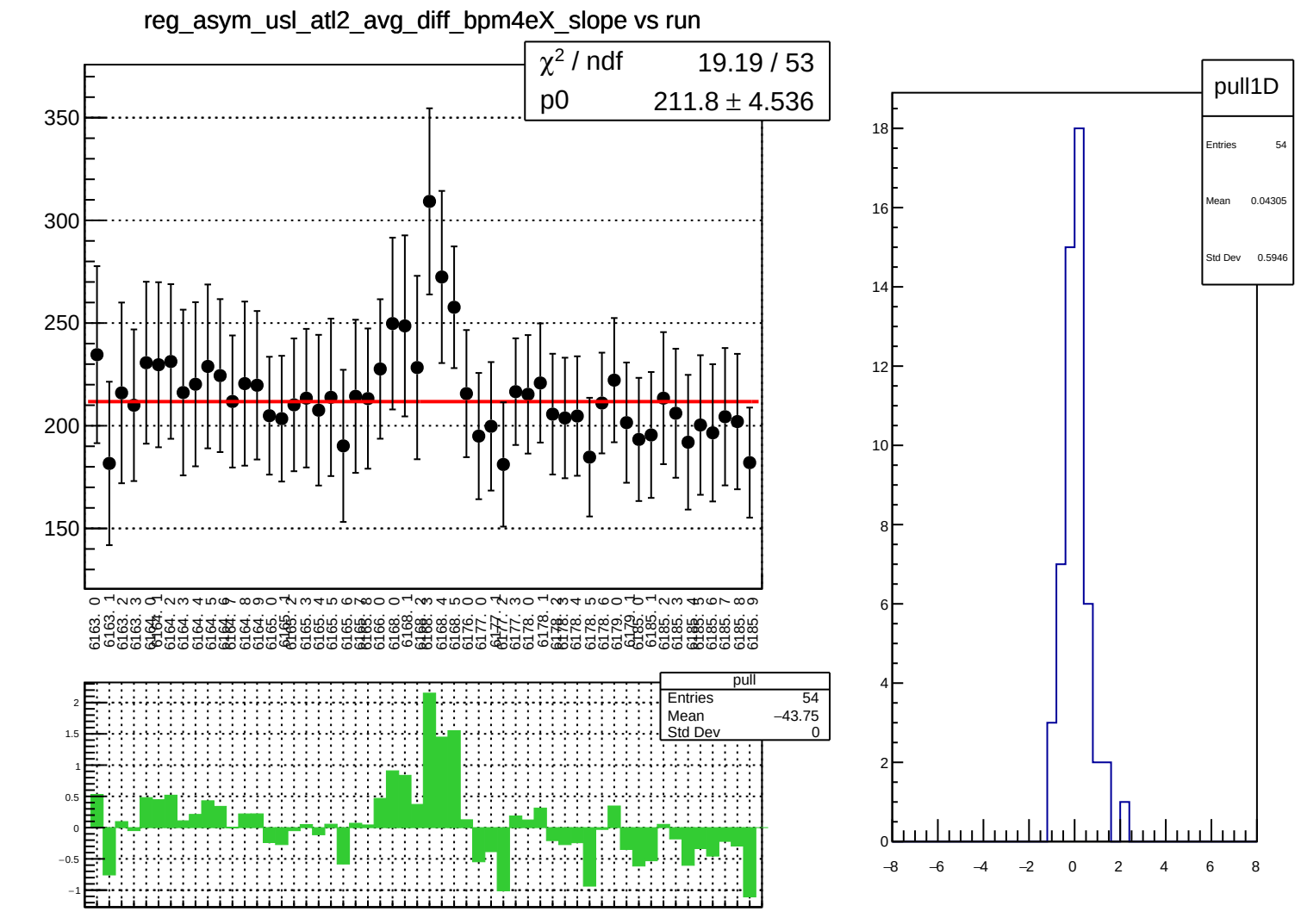

reg_asym_usl_atl1_dd_diff_bpm12X_slope vs run
χ² / ndf 85 / 53
p0 −10.62 ± 0.1267
pull
Entries 54
Mean 1384
Std Dev 0
pull1D
Entries 54
Mean −0.00853
Std Dev 1.255

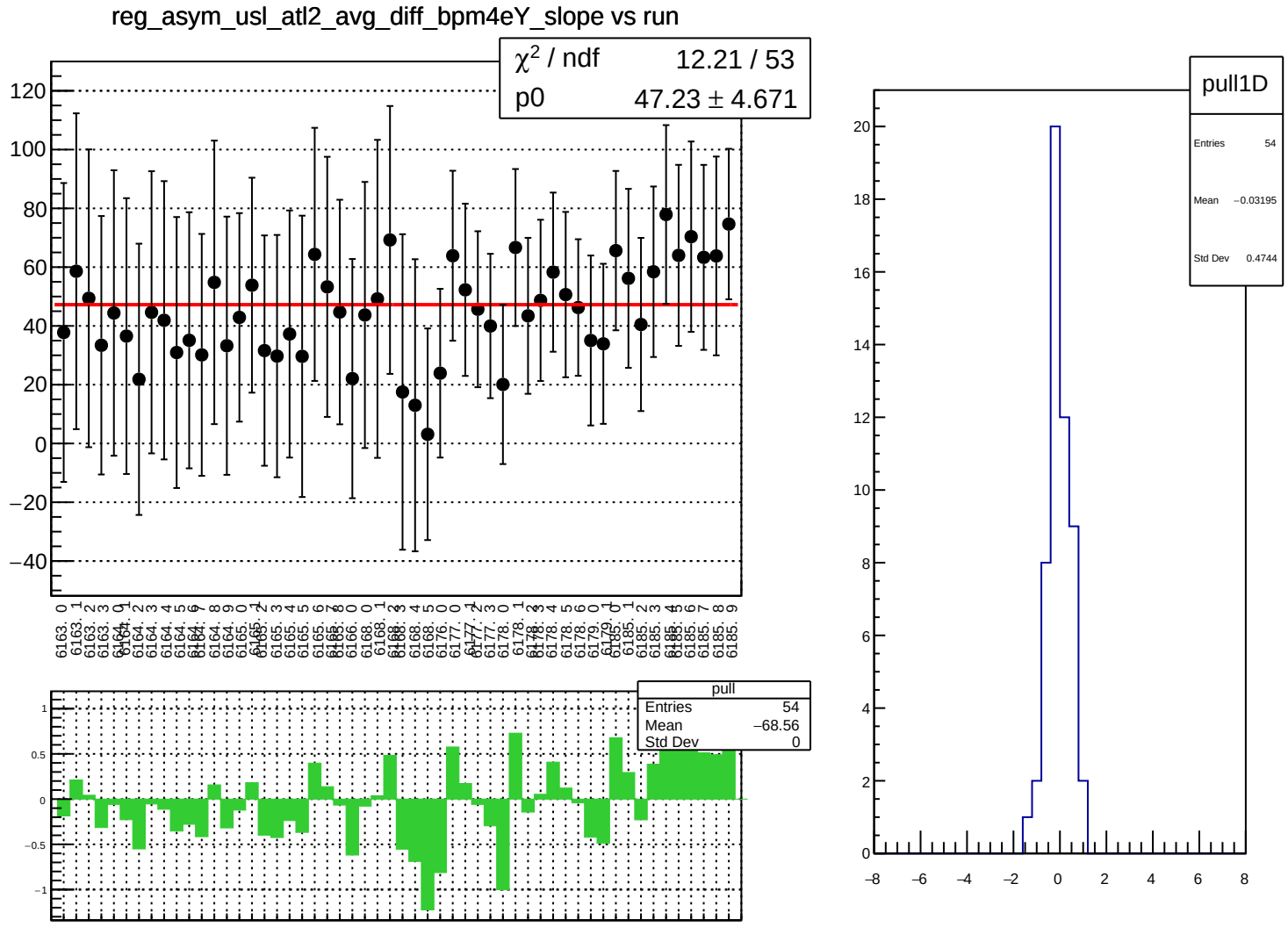

reg_asym_usl_atl2_avg_diff_bpm1X_slope vs run
χ² / ndf 15.34 / 53
p0 −215.7 ± 3.907
pull
Entries 54
Mean 420.2
Std Dev 0

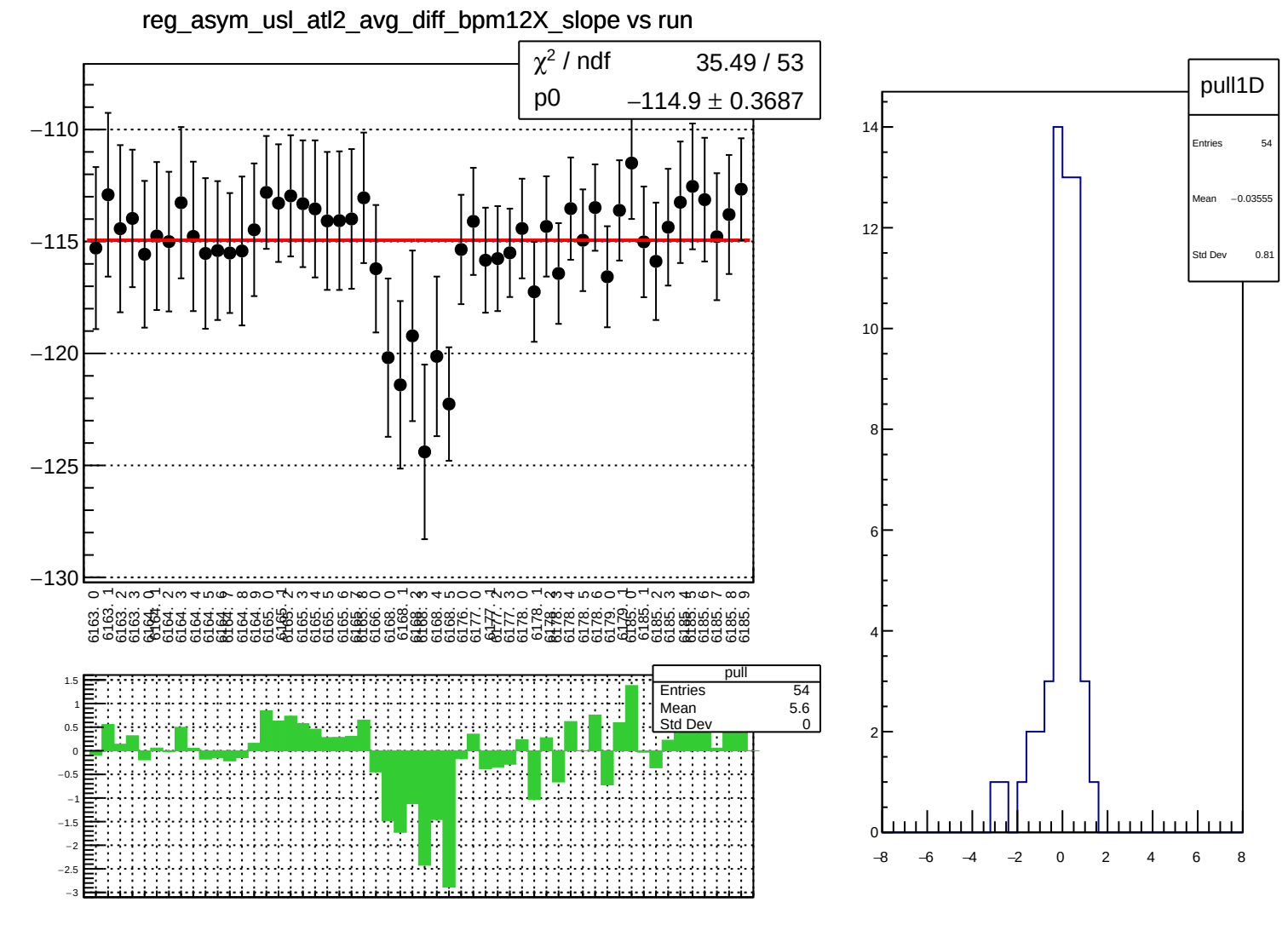

pull1D
Entries 54
Mean −0.00556
Std Dev 0.533

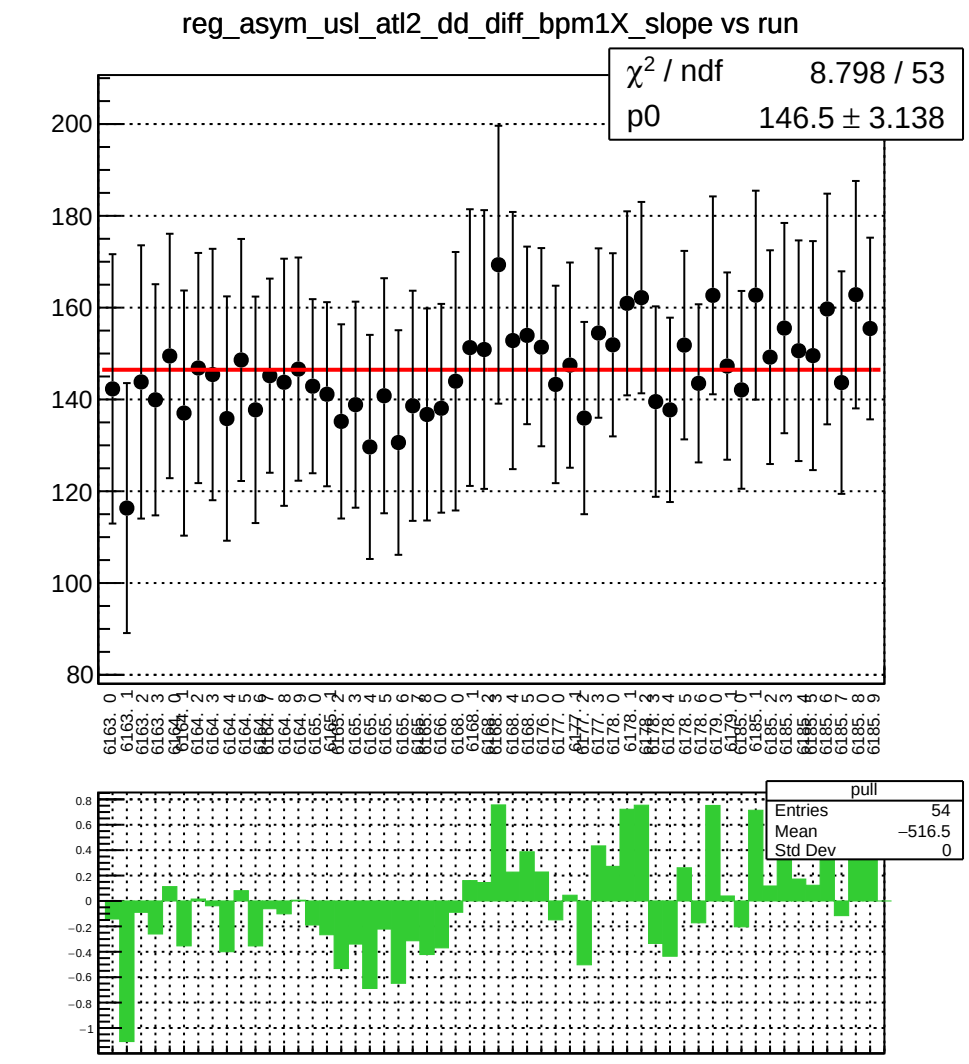

reg_asym_usl_atl2_avg_diff_bpm4aY_slope vs run
χ² / ndf 11.21 / 53
p0 13.56 ± 4.169
pull
Entries 54
Mean −57.46
Std Dev 0

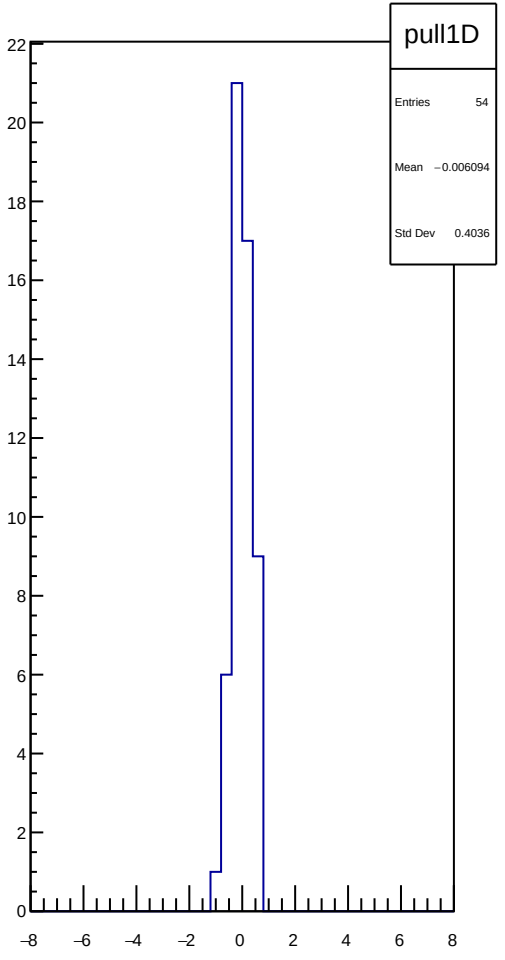

pull1D
Entries 54
Mean 0.03447
Std Dev 0.4542

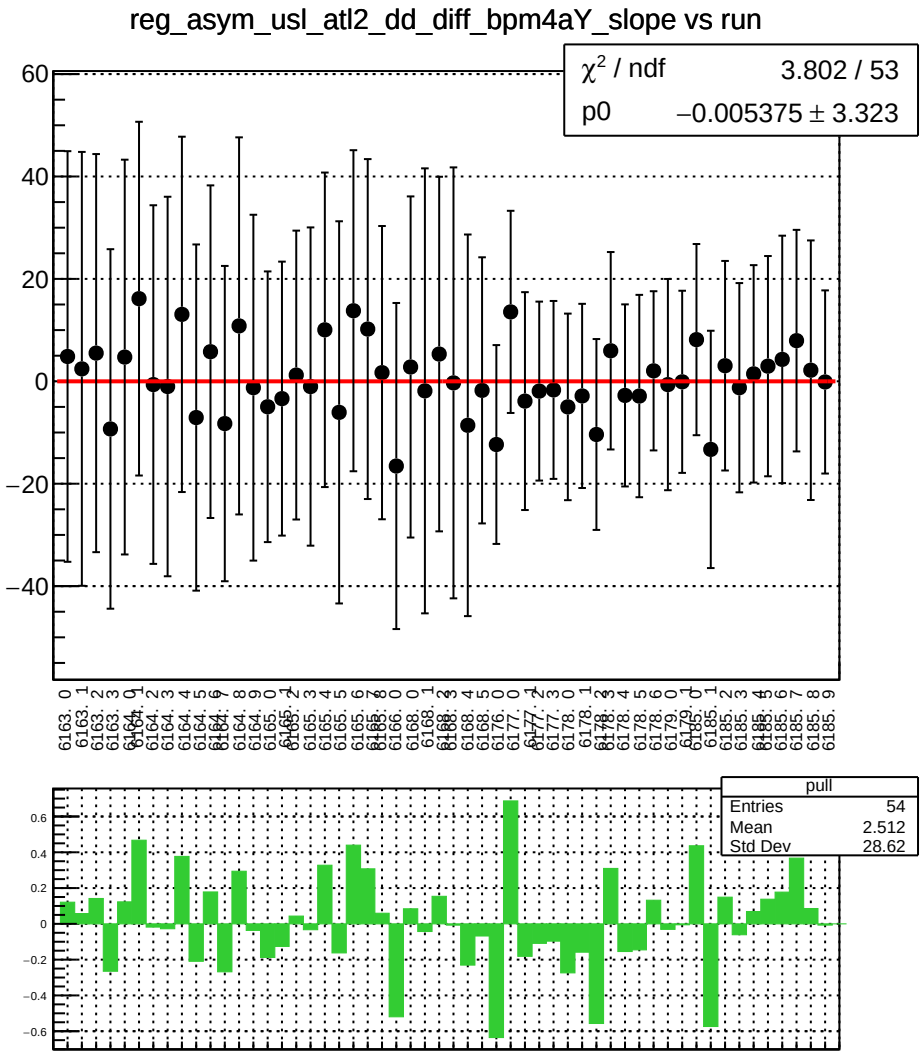

reg_asym_usl_atl2_avg_diff_bpm4eX_slope vs run
χ² / ndf 19.19 / 53
p0 211.8 ± 4.536
350
300
250
200
150
pull
Entries 54
Mean −43.75
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 54
Mean 0.04305
Std Dev 0.5946
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

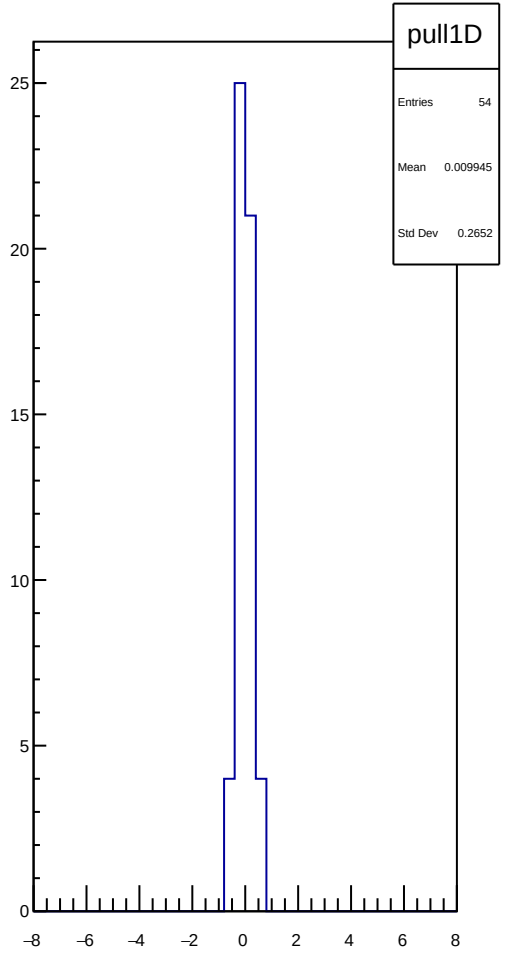

reg_asym_usl_atl2_avg_diff_bpm4eY_slope vs run
χ² / ndf 12.21 / 53
p0 47.23 ± 4.671
pull
Entries 54
Mean −68.56
Std Dev 0
pull1D
Entries 54
Mean −0.03195
Std Dev 0.4744

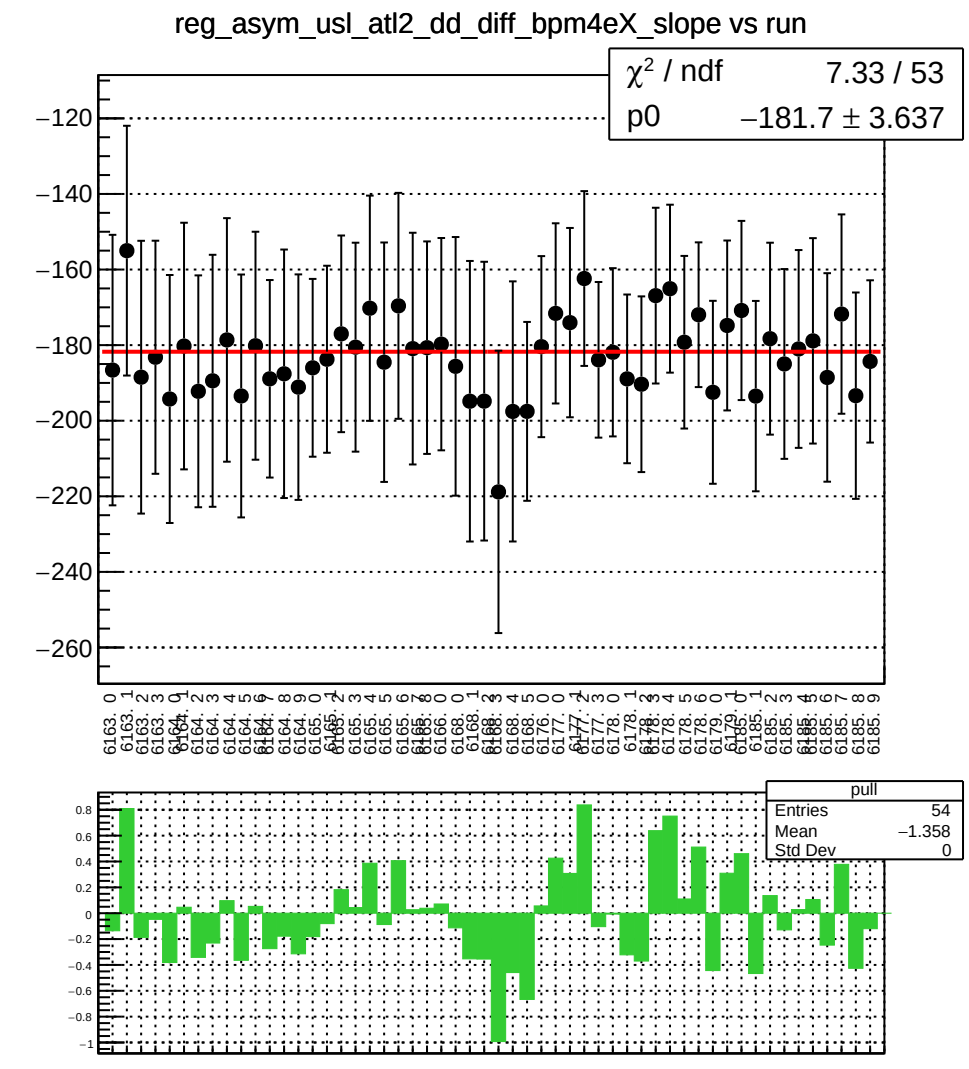

reg_asym_usl_atl2_avg_diff_bpm12X_slope vs run
χ² / ndf 35.49 / 53
p0 −114.9 ± 0.3687
pull
Entries 54
Mean 5.6
Std Dev 0
pull1D
Entries 54
Mean −0.03555
Std Dev 0.81

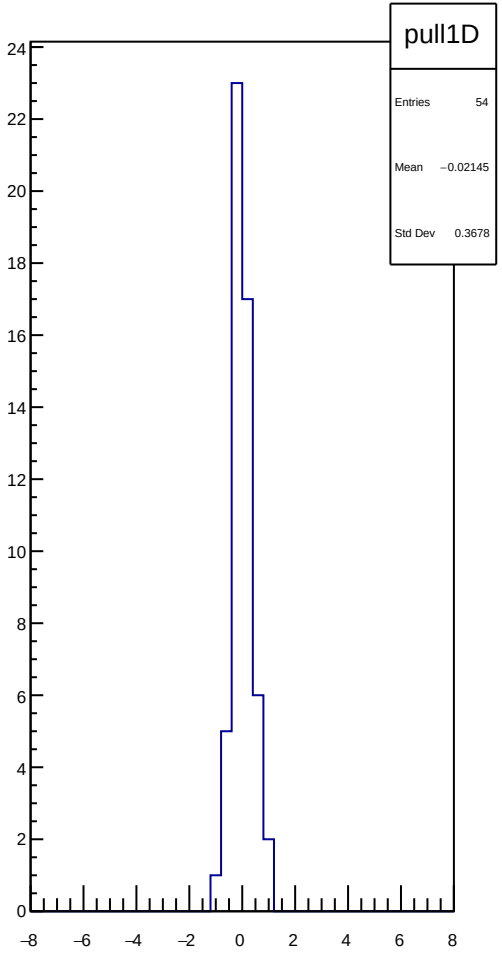

reg_asym_usl_atl2_dd_diff_bpm1X_slope vs run
χ² / ndf 8.798 / 53
p0 146.5 ± 3.138
pull
Entries 54
Mean −516.5
Std Dev 0

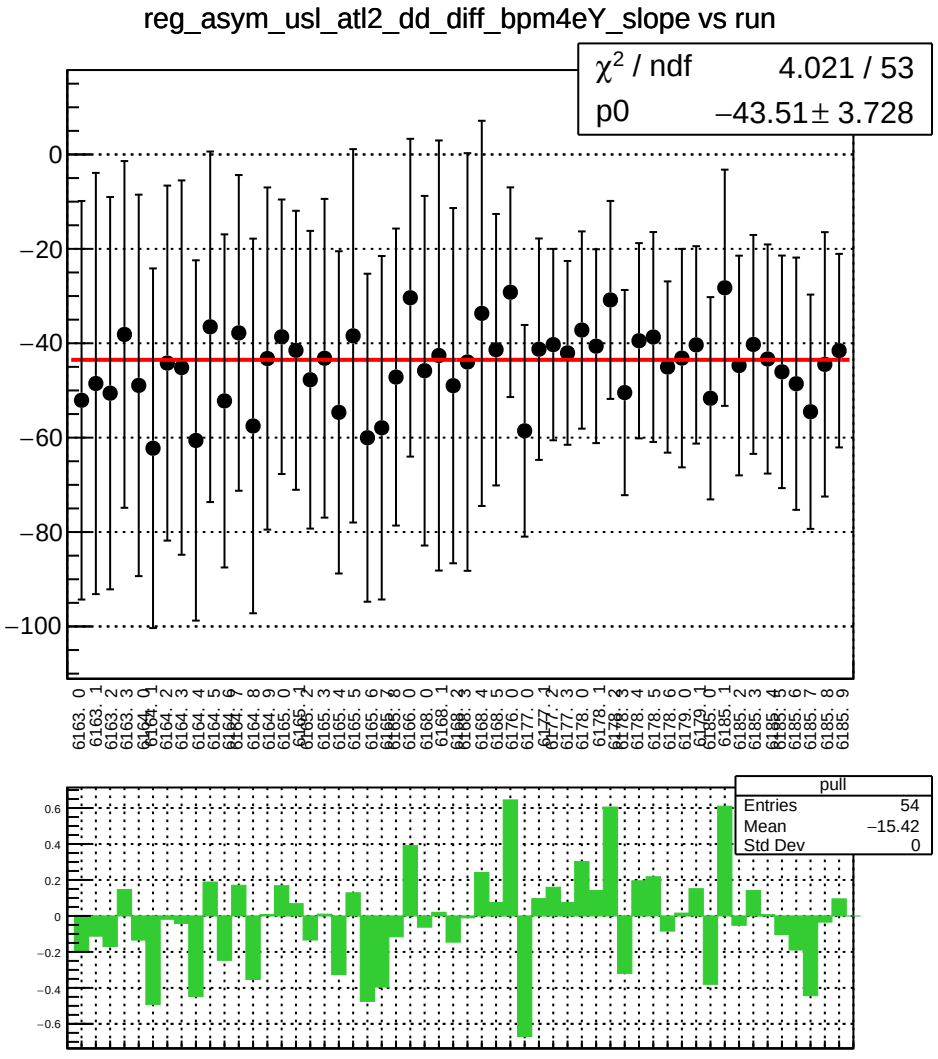

pull1D
Entries 54
Mean −0.006094
Std Dev 0.4036

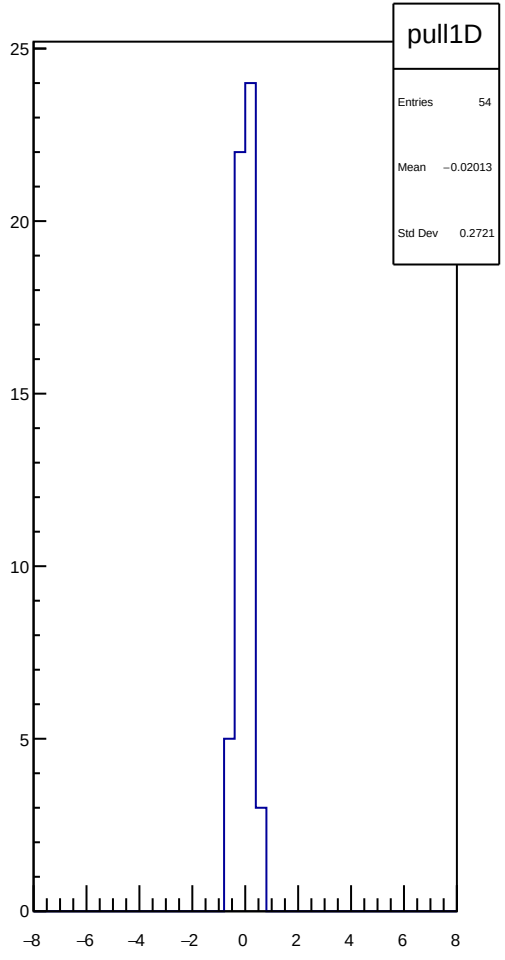

reg_asym_usl_atl2_dd_diff_bpm4aY_slope vs run
χ² / ndf 3.802 / 53
p0 −0.005375 ± 3.323
pull
Entries 54
Mean 2.512
Std Dev 28.62

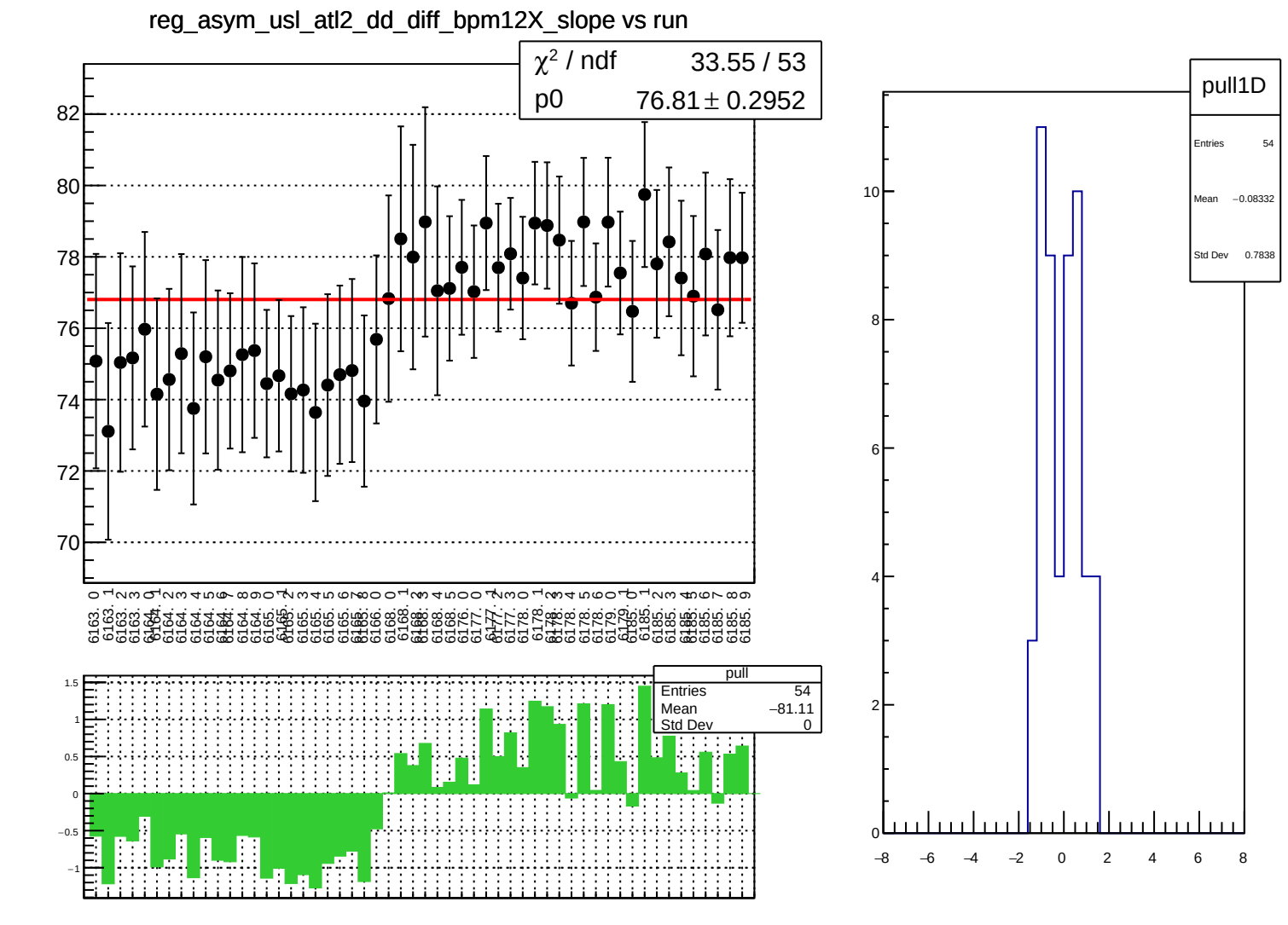

pull1D
Entries 54
Mean 0.009945
Std Dev 0.2652

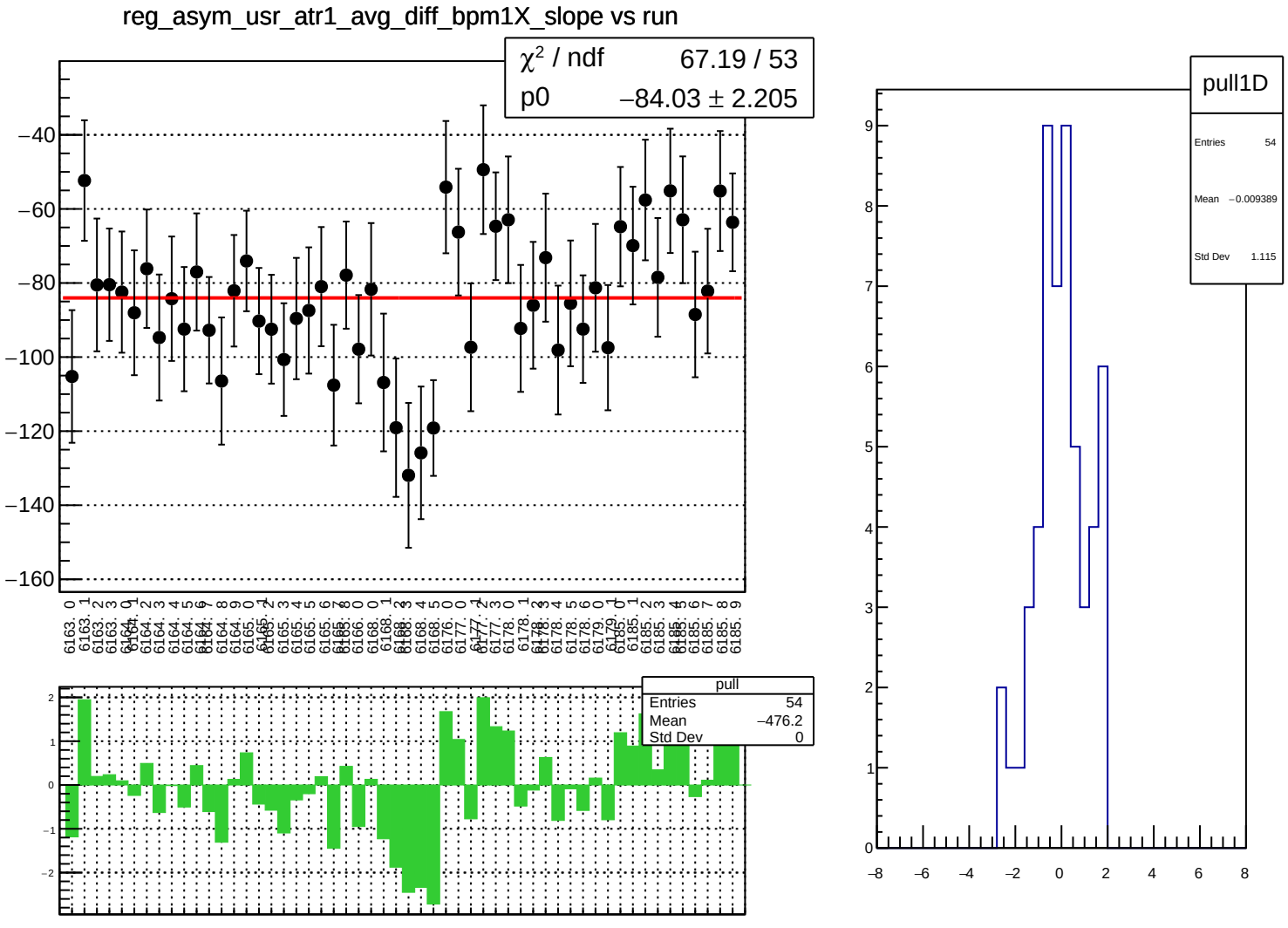

reg_asym_usl_atl2_dd_diff_bpm4eX_slope vs run
χ² / ndf 7.33 / 53
p0 −181.7 ± 3.637
pull
Entries 54
Mean −1.358
Std Dev 0

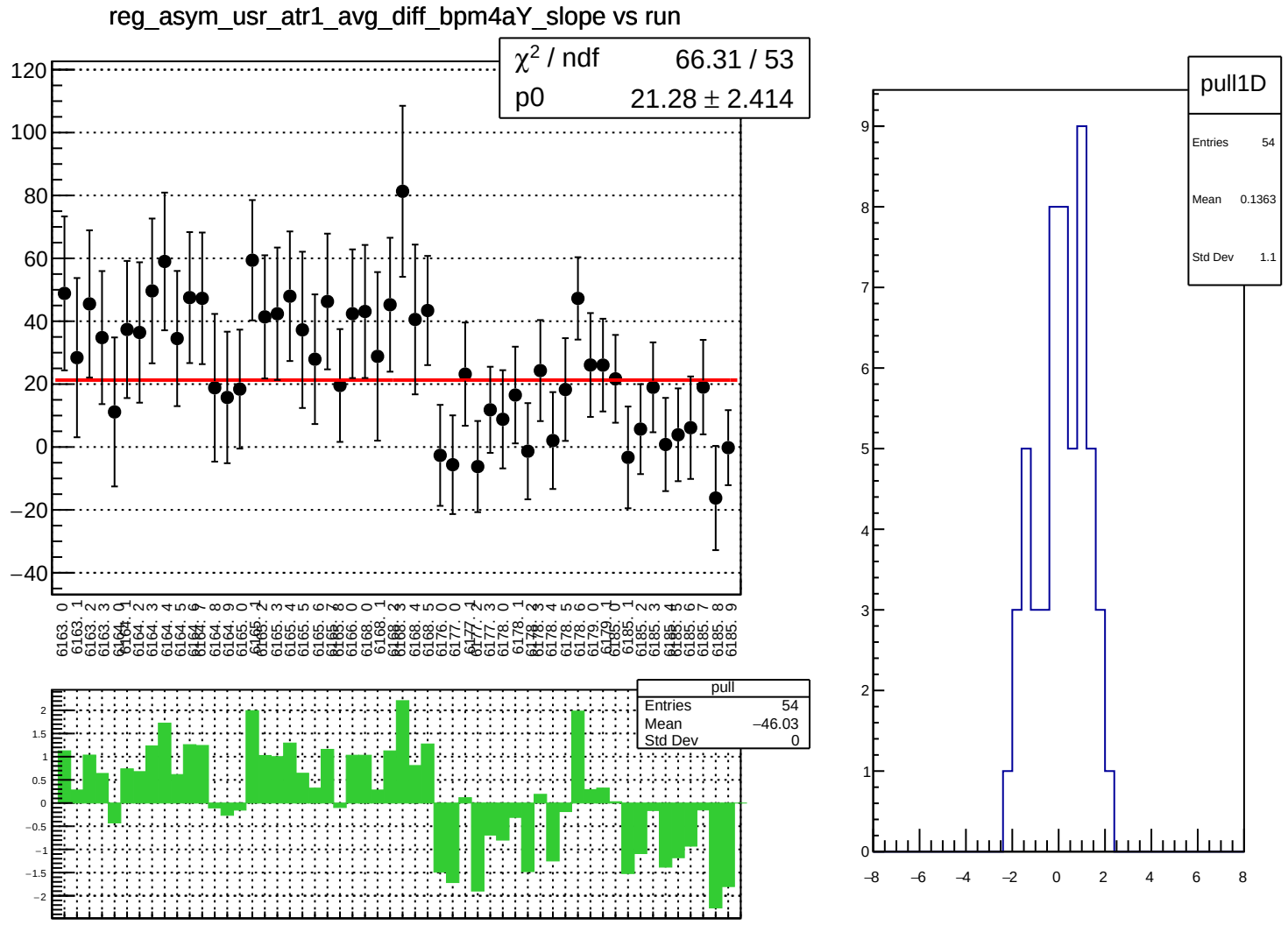

pull1D
Entries 54
Mean −0.02145
Std Dev 0.3678

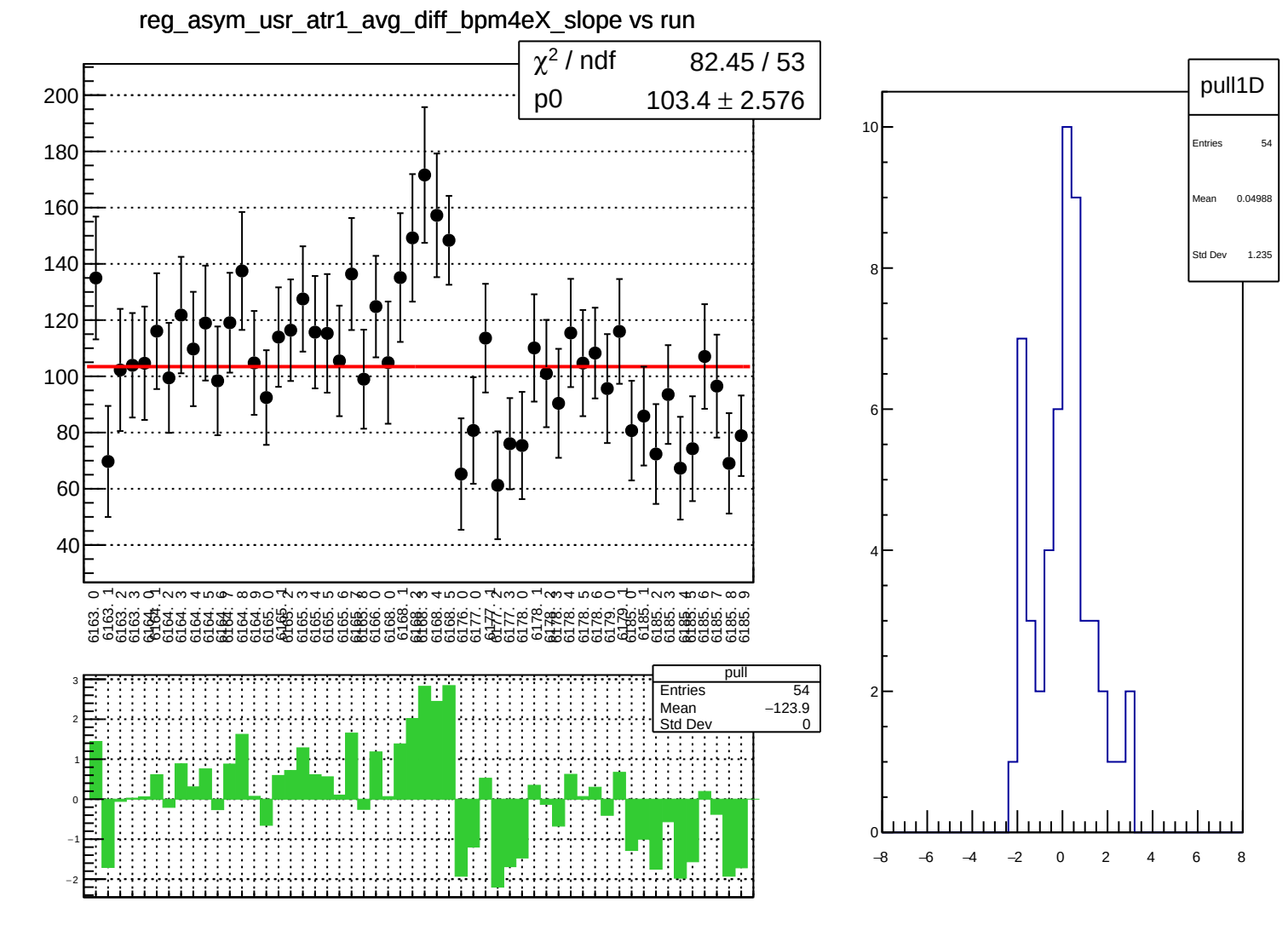

reg_asym_usl_atl2_dd_diff_bpm4eY_slope vs run
χ² / ndf 4.021 / 53
p0 −43.51 ± 3.728
pull
Entries 54
Mean −15.42
Std Dev 0

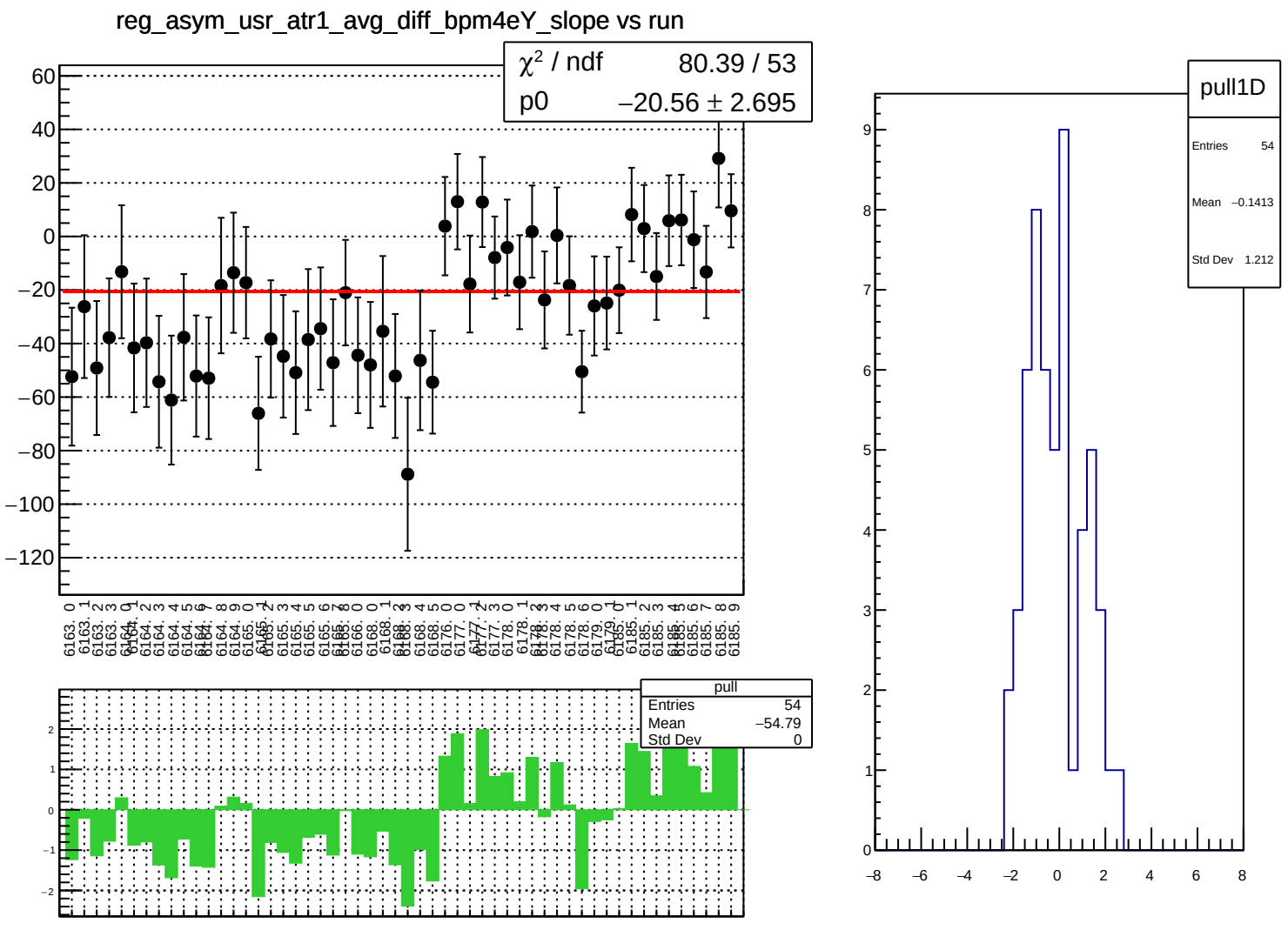

pull1D
Entries 54
Mean −0.02013
Std Dev 0.2721

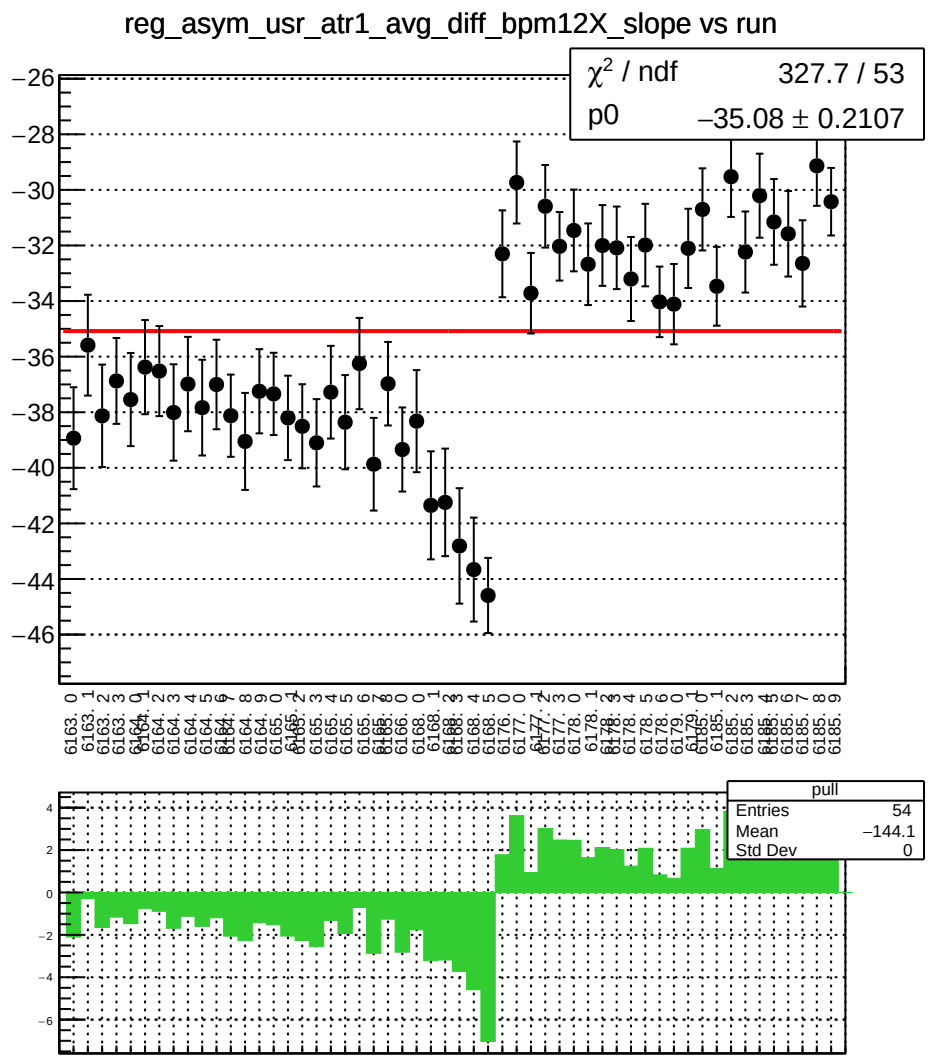

reg_asym_usl_atl2_dd_diff_bpm12X_slope vs run
χ² / ndf 33.55 / 53
p0 76.81 ± 0.2952
pull
Entries 54
Mean −81.11
Std Dev 0
pull1D
Entries 54
Mean −0.08332
Std Dev 0.7838

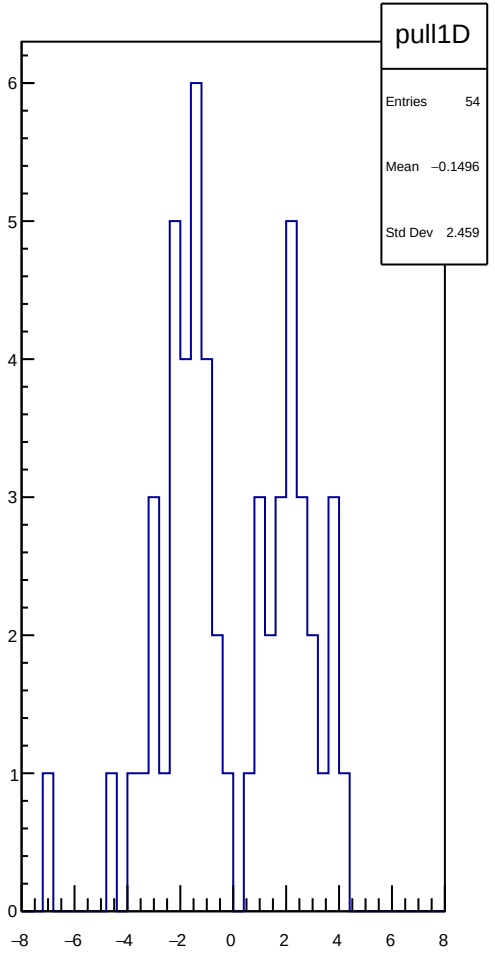

reg_asym_usr_atr1_avg_diff_bpm1X_slope vs run
χ² / ndf 67.19 / 53
p0 −84.03 ± 2.205
pull
Entries 54
Mean −476.2
Std Dev 0
pull1D
Entries 54
Mean −0.009389
Std Dev 1.115

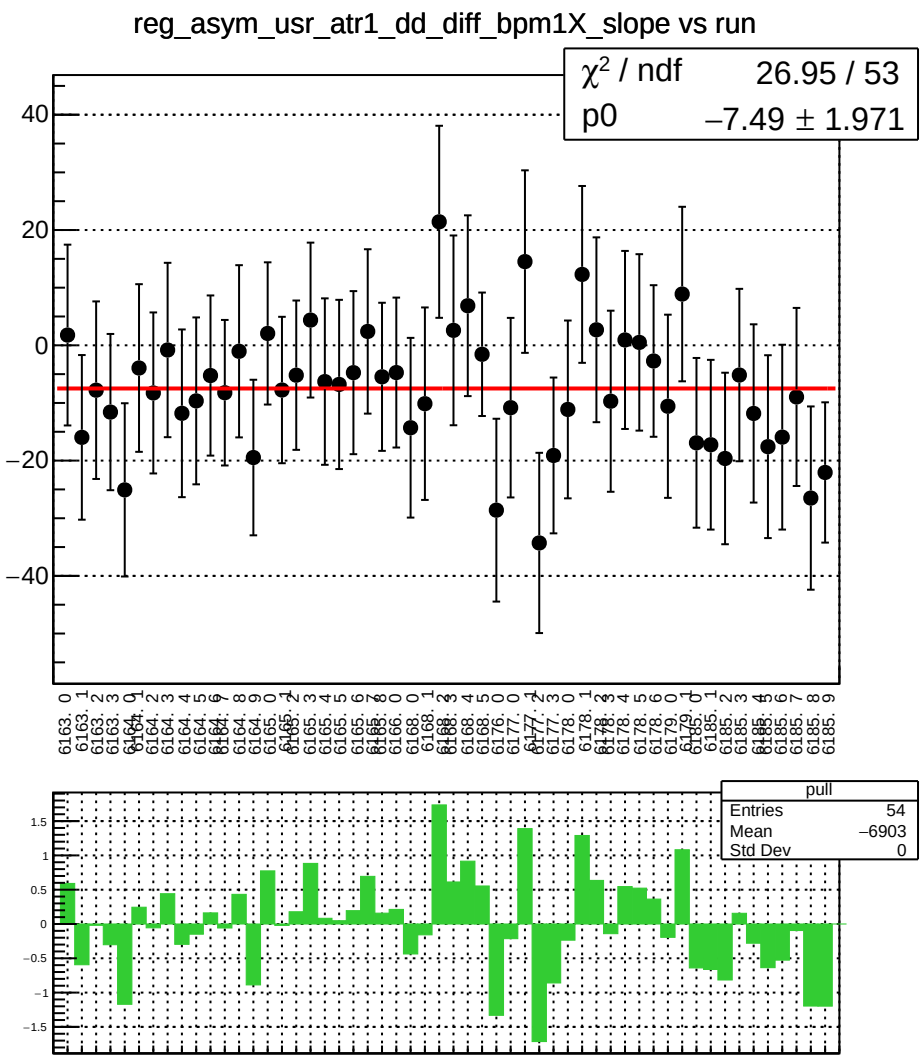

reg_asym_usr_atr1_avg_diff_bpm4aY_slope vs run
χ² / ndf 66.31 / 53
p0 21.28 ± 2.414
pull
Entries 54
Mean −46.03
Std Dev 0
pull1D
Entries 54
Mean 0.1363
Std Dev 1.1

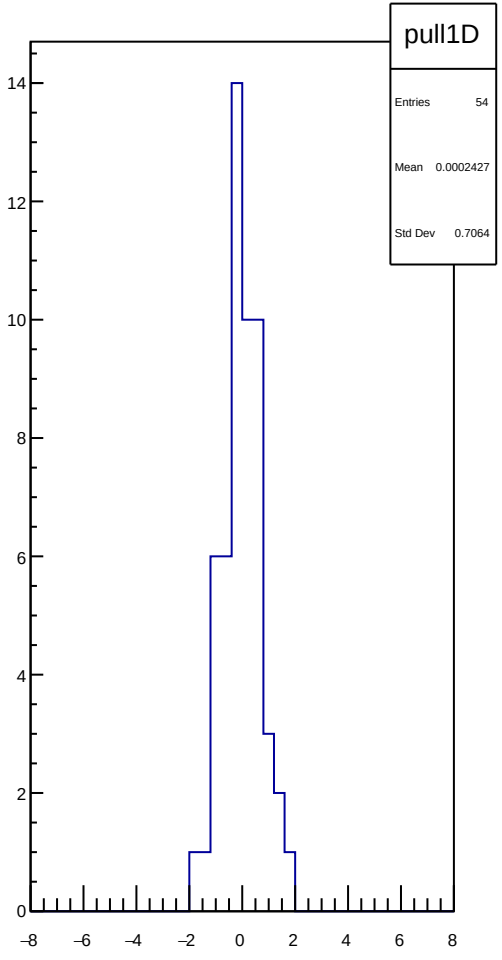

reg_asym_usr_atr1_avg_diff_bpm4eX_slope vs run
χ² / ndf 82.45 / 53
p0 103.4 ± 2.576
pull
Entries 54
Mean −123.9
Std Dev 0
pull1D
Entries 54
Mean 0.04988
Std Dev 1.235

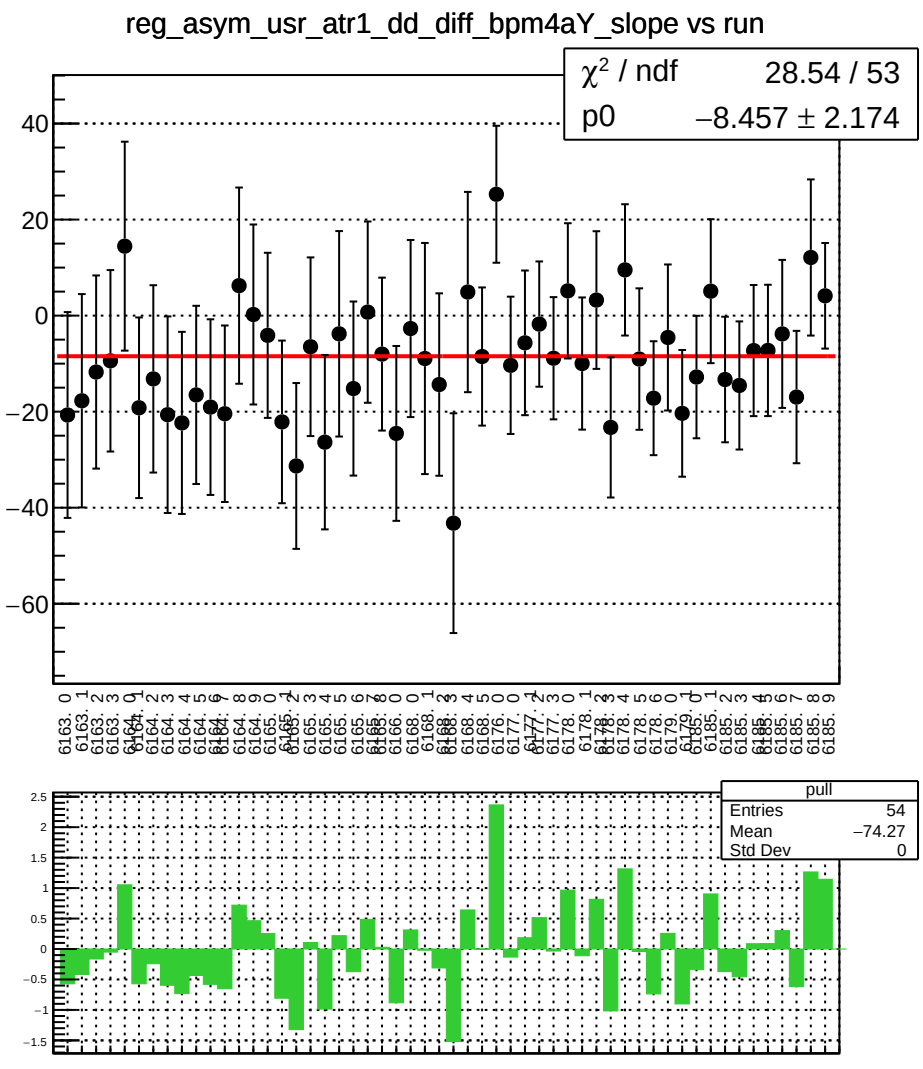

reg_asym_usr_atr1_avg_diff_bpm4eY_slope vs run
χ² / ndf 80.39 / 53
p0 −20.56 ± 2.695
pull
Entries 54
Mean −54.79
Std Dev 0
pull1D
Entries 54
Mean −0.1413
Std Dev 1.212

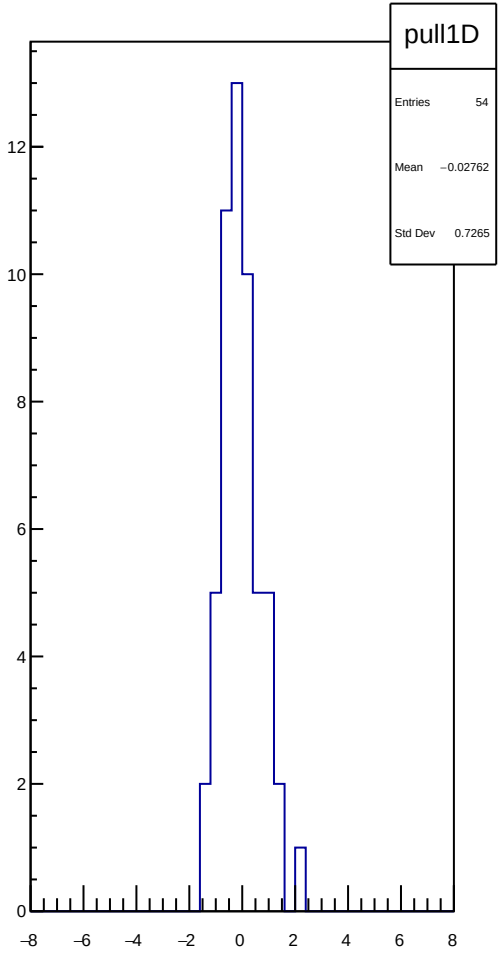

reg_asym_usr_atr1_avg_diff_bpm12X_slope vs run
χ² / ndf 327.7 / 53
p0 −35.08 ± 0.2107
pull
Entries 54
Mean −144.1
Std Dev 0

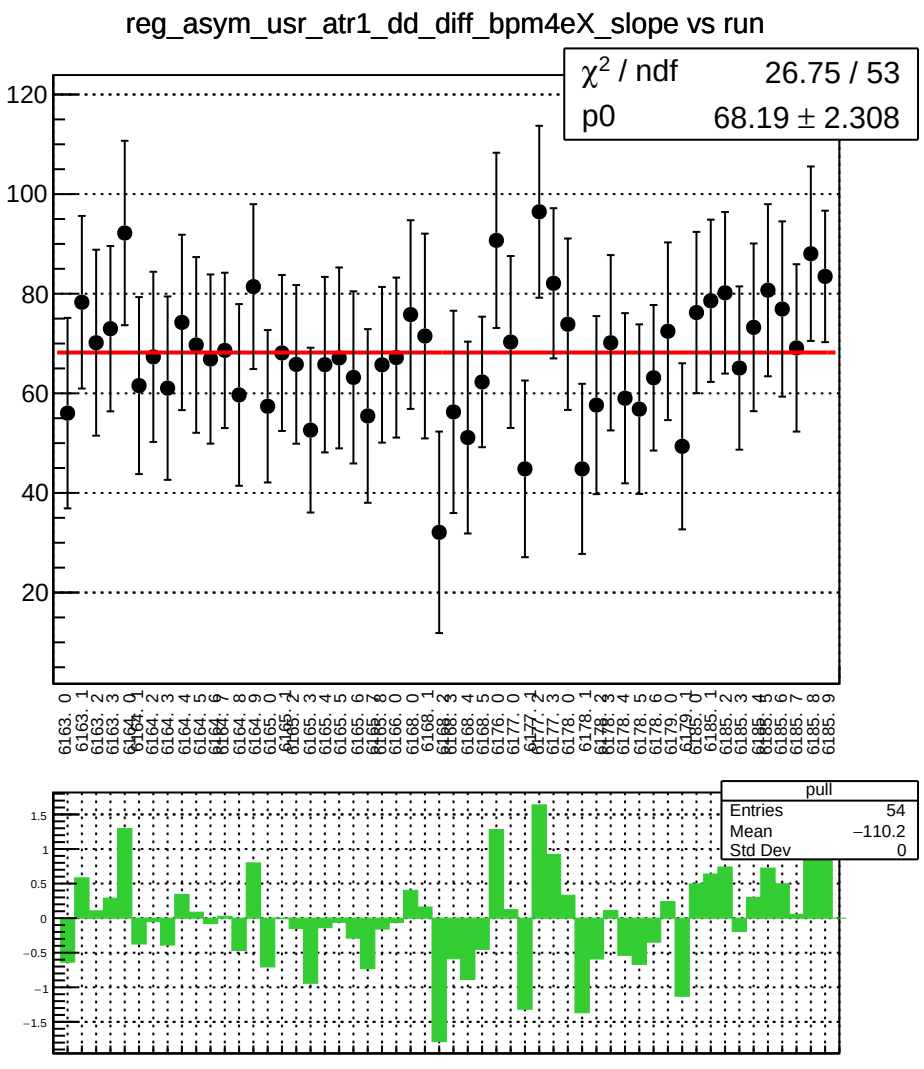

pull1D
Entries 54
Mean −0.1496
Std Dev 2.459

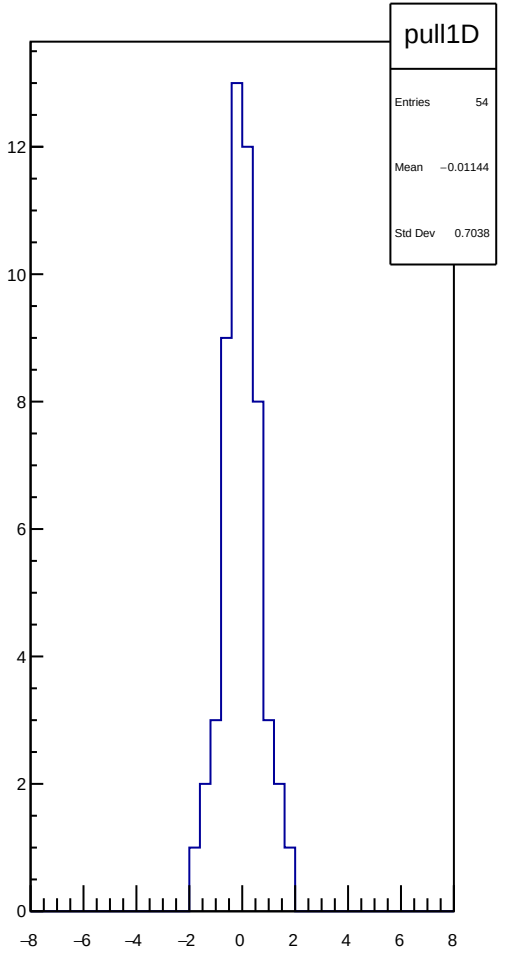

reg_asym_usr_atr1_dd_diff_bpm1X_slope vs run
χ² / ndf 26.95 / 53
p0 −7.49 ± 1.971
pull
Entries 54
Mean −6903
Std Dev 0

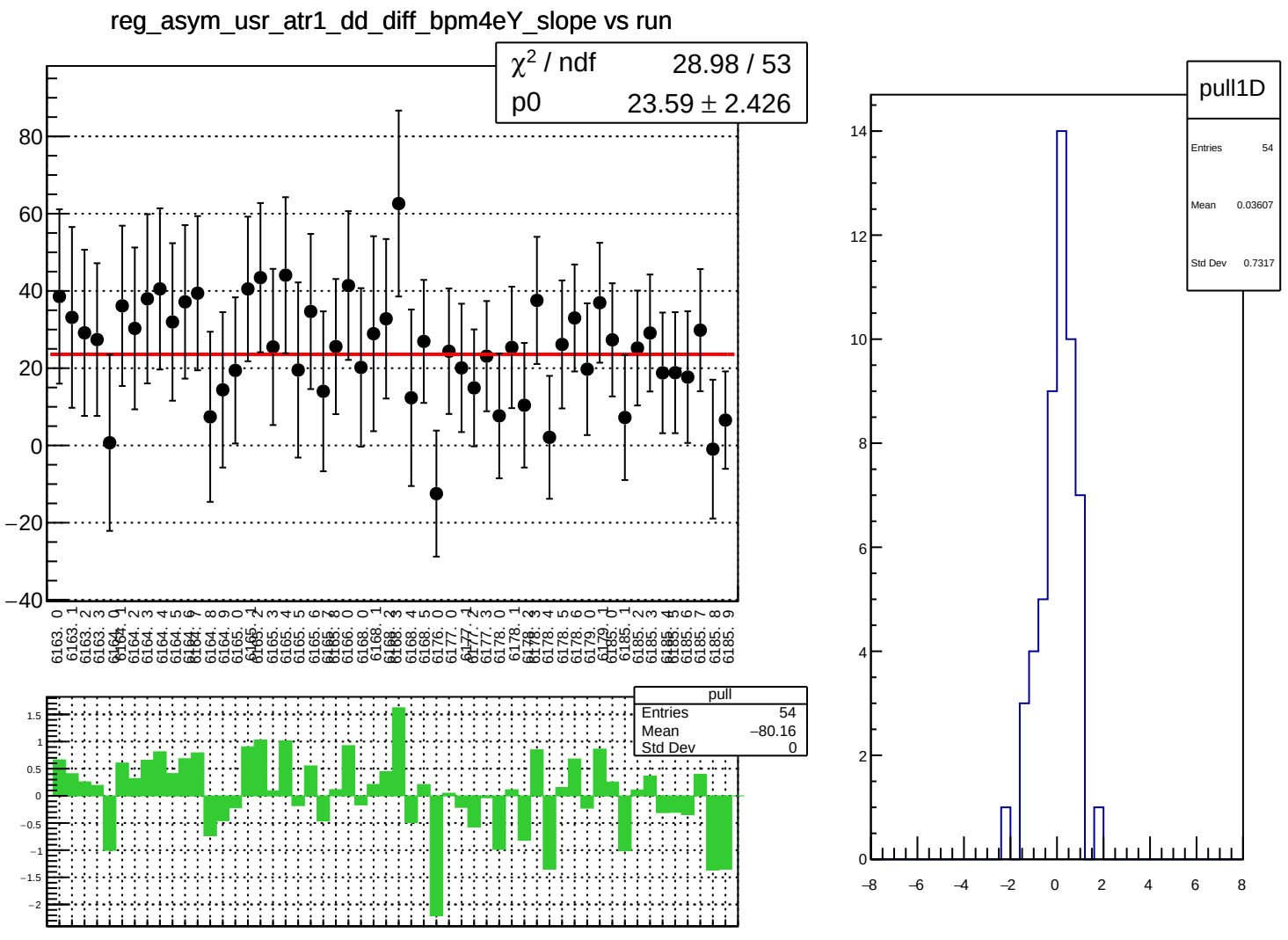

pull1D
Entries 54
Mean 0.0002427
Std Dev 0.7064

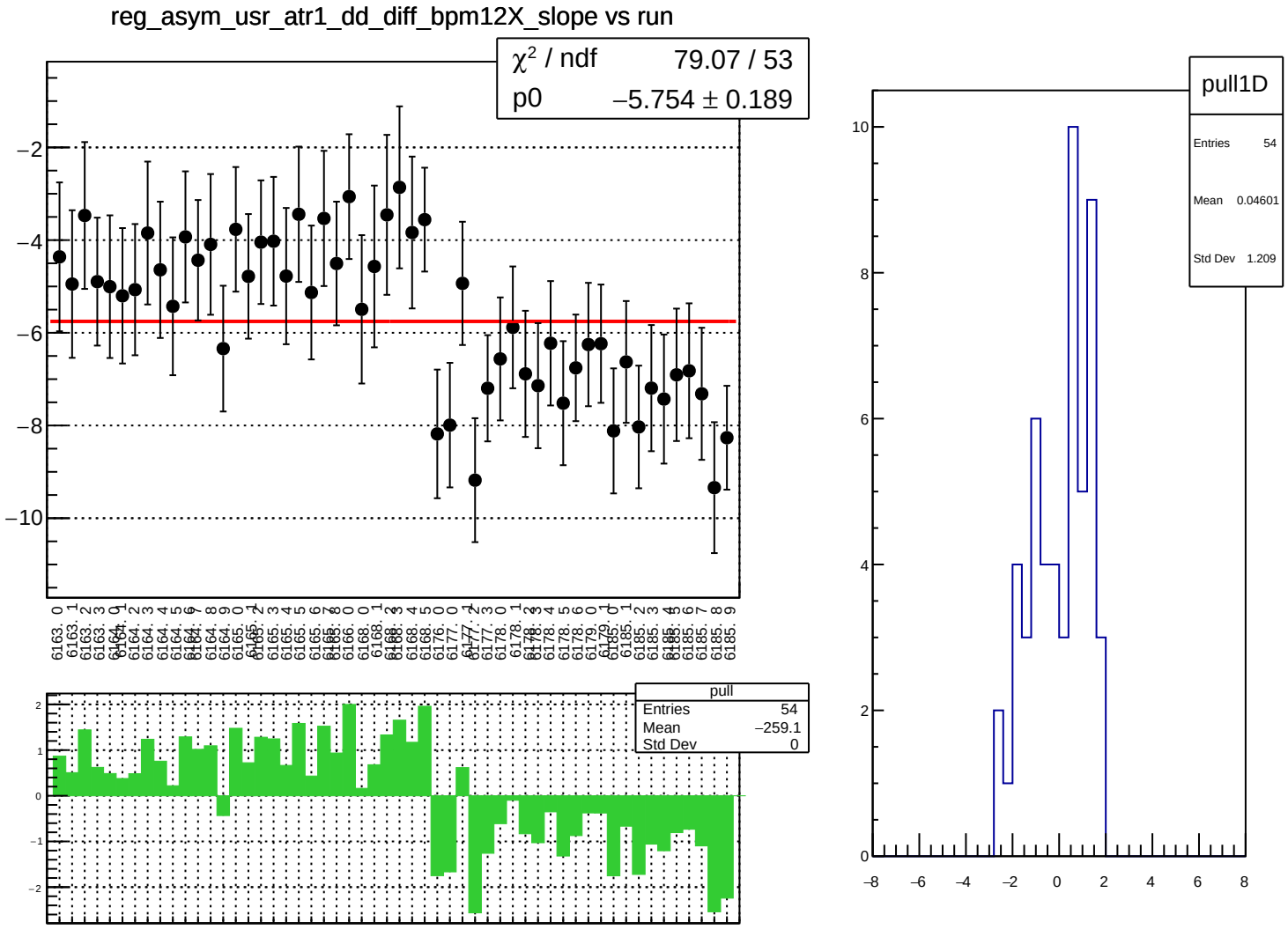

reg_asym_usr_atr1_dd_diff_bpm4aY_slope vs run
χ² / ndf 28.54 / 53
p0 −8.457 ± 2.174
pull
Entries 54
Mean −74.27
Std Dev 0

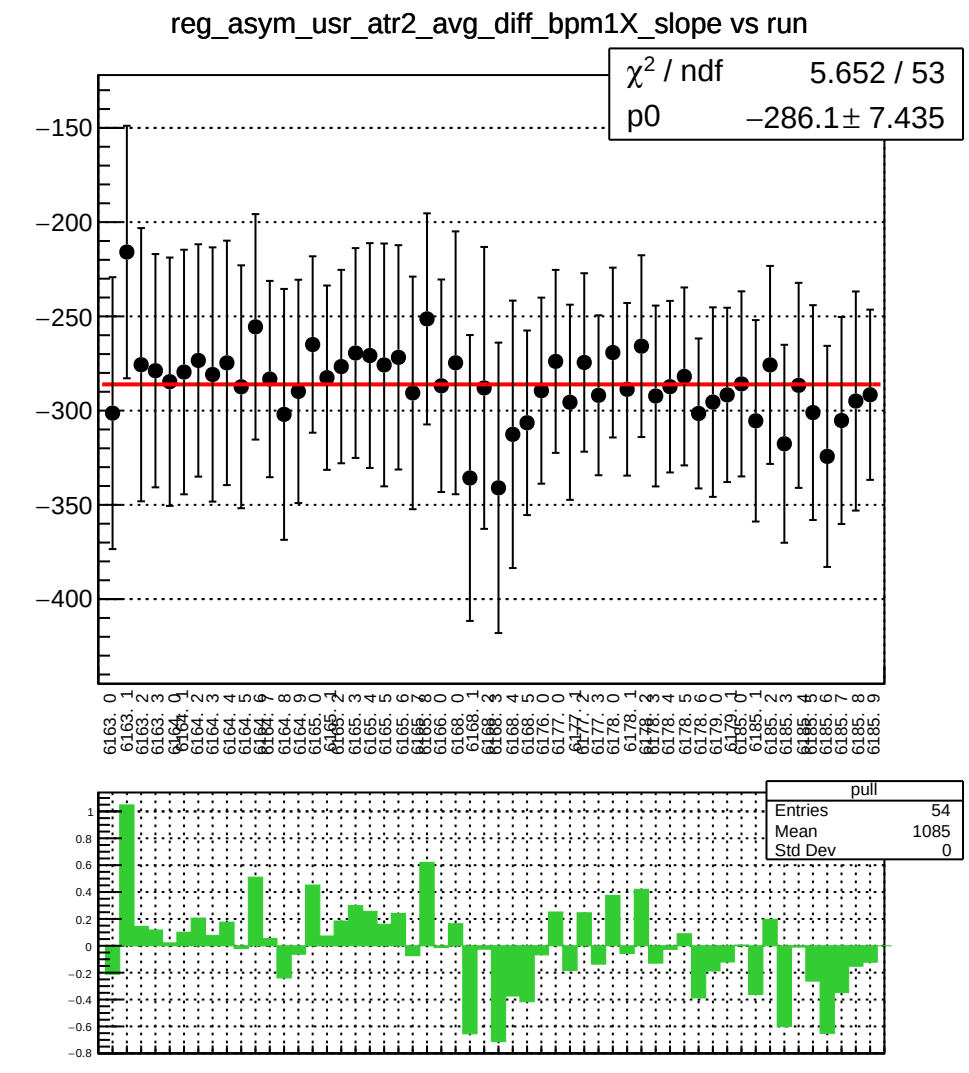

pull1D
Entries 54
Mean −0.02762
Std Dev 0.7265

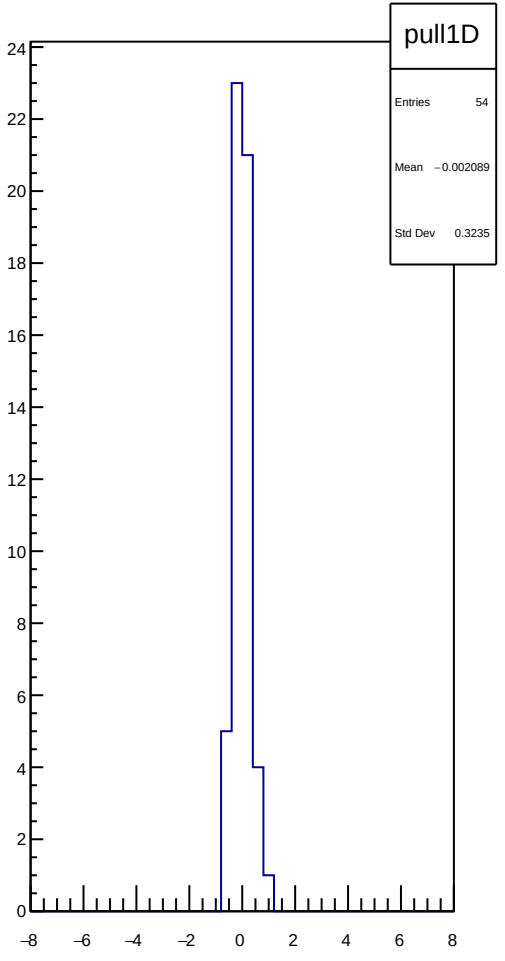

reg_asym_usr_atr1_dd_diff_bpm4eX_slope vs run
χ² / ndf 26.75 / 53
p0 68.19 ± 2.308
pull
Entries 54
Mean −110.2
Std Dev 0

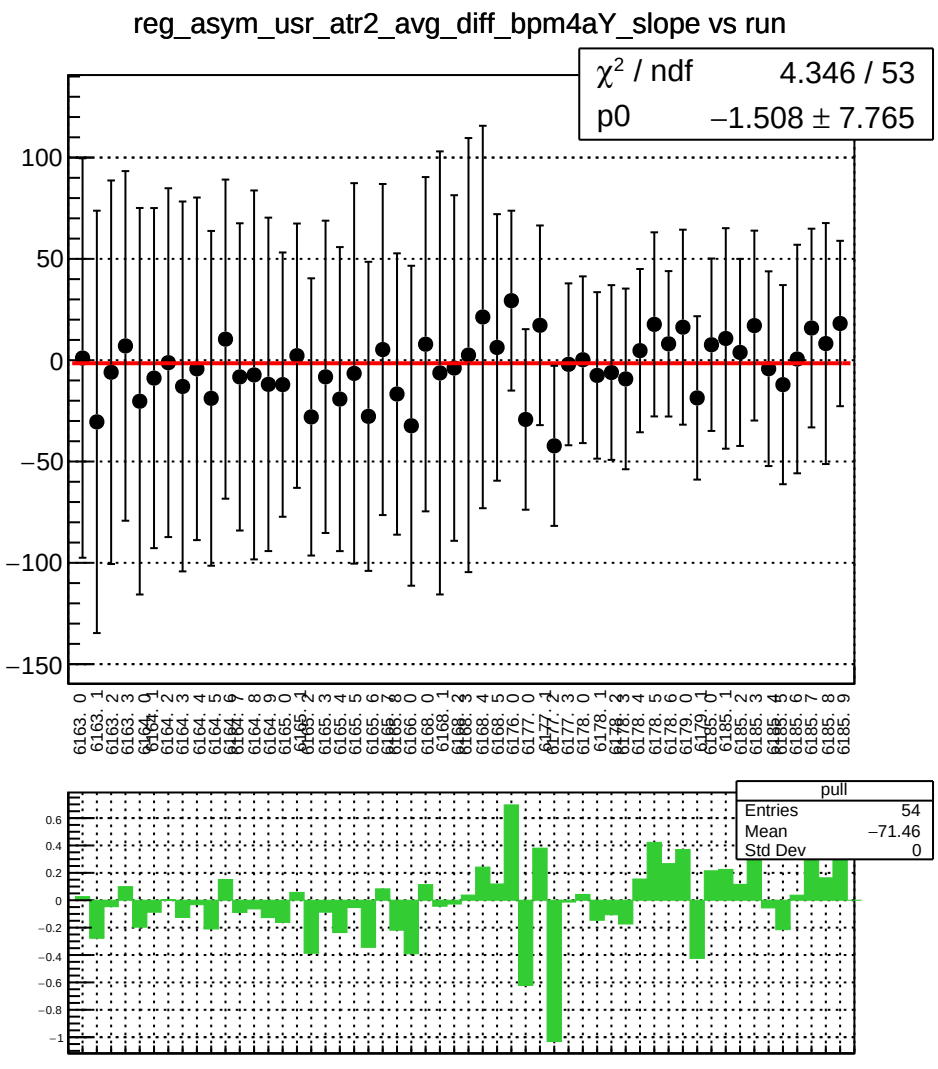

pull1D
Entries 54
Mean −0.01144
Std Dev 0.7038

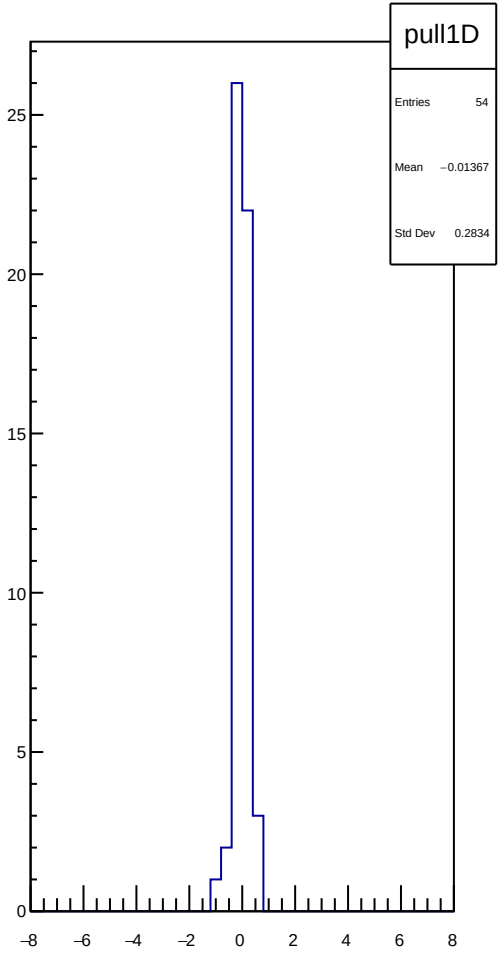

reg_asym_usr_atr1_dd_diff_bpm4eY_slope vs run
χ² / ndf 28.98 / 53
p0 23.59 ± 2.426
pull
Entries 54
Mean −80.16
Std Dev 0
pull1D
Entries 54
Mean 0.03607
Std Dev 0.7317

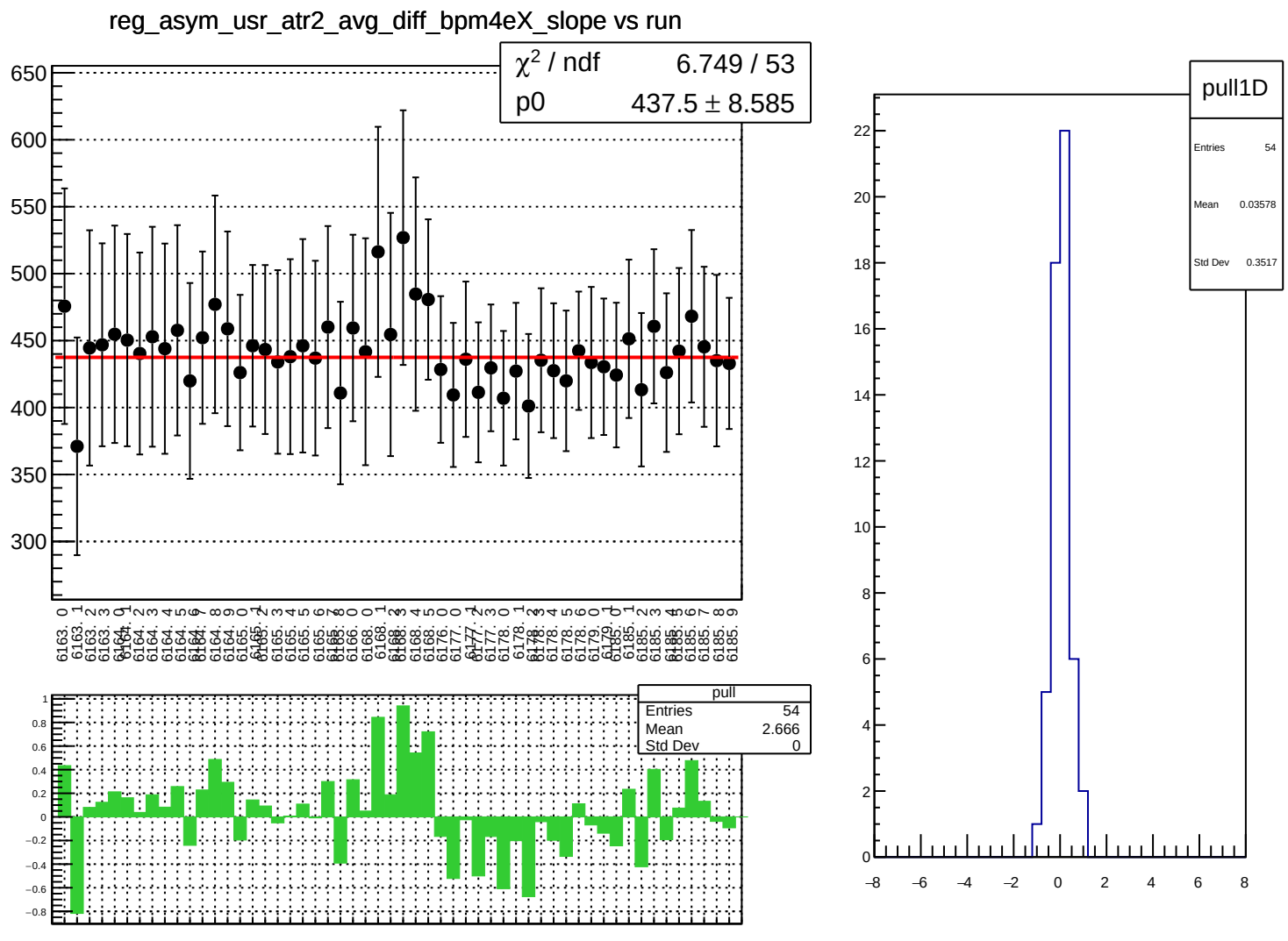

reg_asym_usr_atr1_dd_diff_bpm12X_slope vs run
χ² / ndf 79.07 / 53
p0 −5.754 ± 0.189
pull
Entries 54
Mean −259.1
Std Dev 0
pull1D
Entries 54
Mean 0.04601
Std Dev 1.209

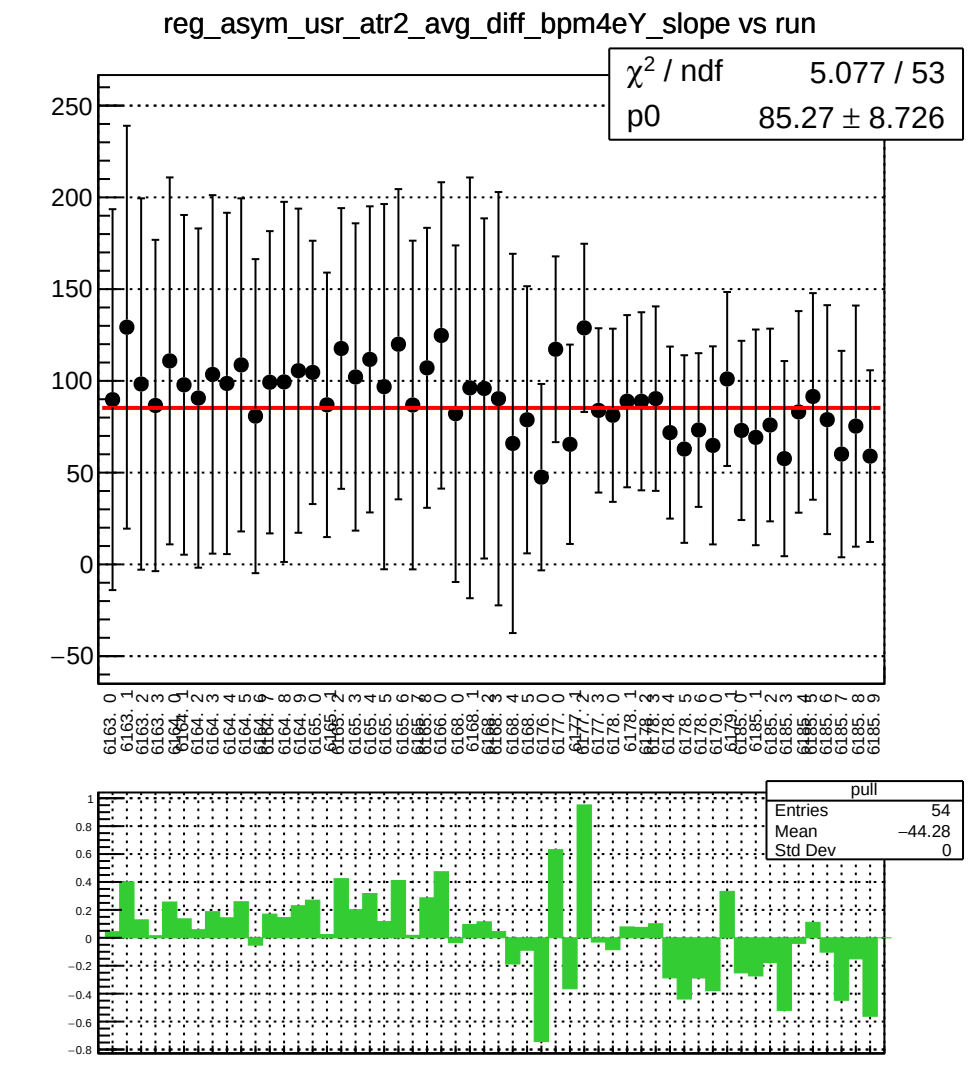

reg_asym_usr_atr2_avg_diff_bpm1X_slope vs run
χ² / ndf 5.652 / 53
p0 −286.1± 7.435
pull
Entries 54
Mean 1085
Std Dev 0

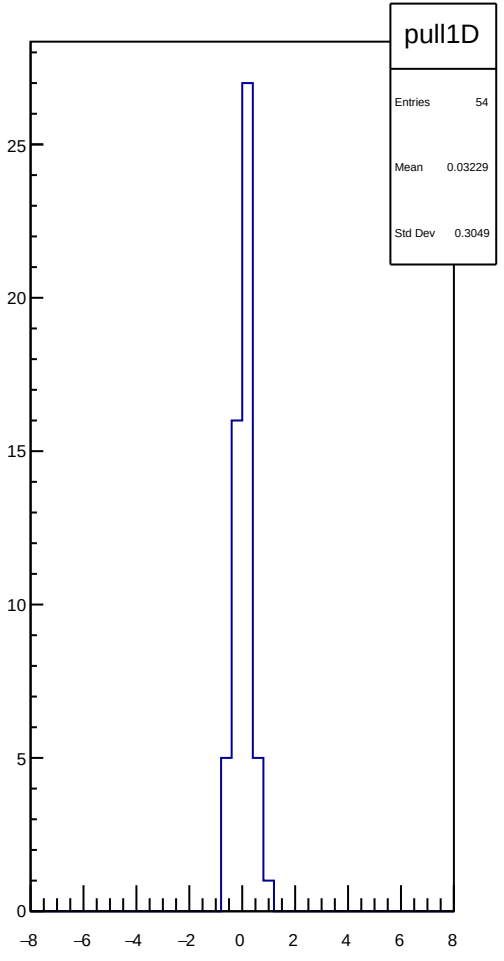

pull1D
Entries 54
Mean −0.002089
Std Dev 0.3235

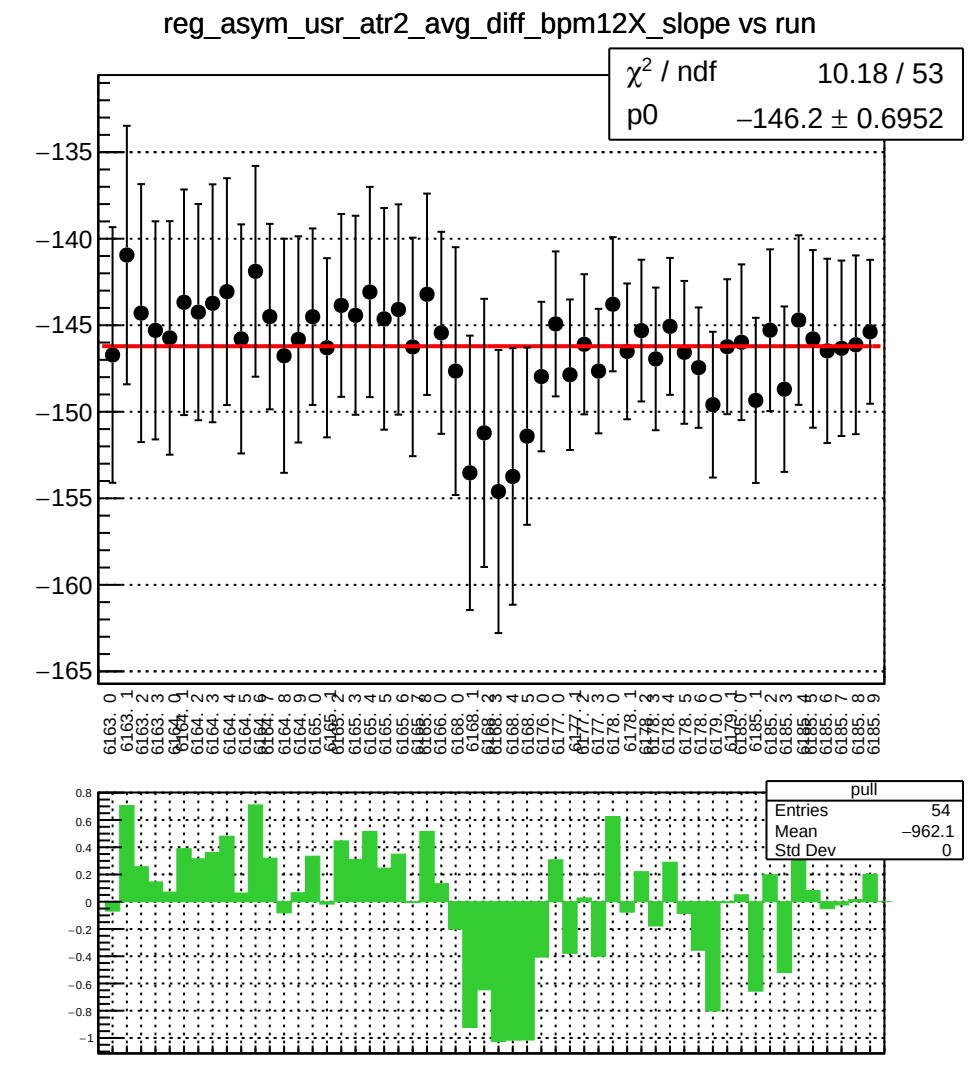

reg_asym_usr_atr2_avg_diff_bpm4aY_slope vs run
χ² / ndf 4.346 / 53
p0 −1.508 ± 7.765
pull
Entries 54
Mean −71.46
Std Dev 0

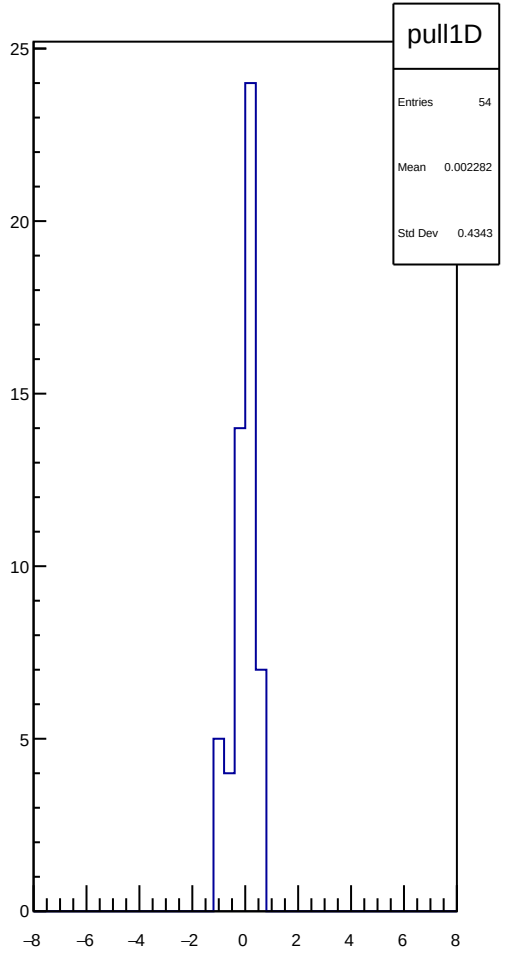

pull1D
Entries 54
Mean −0.01367
Std Dev 0.2834

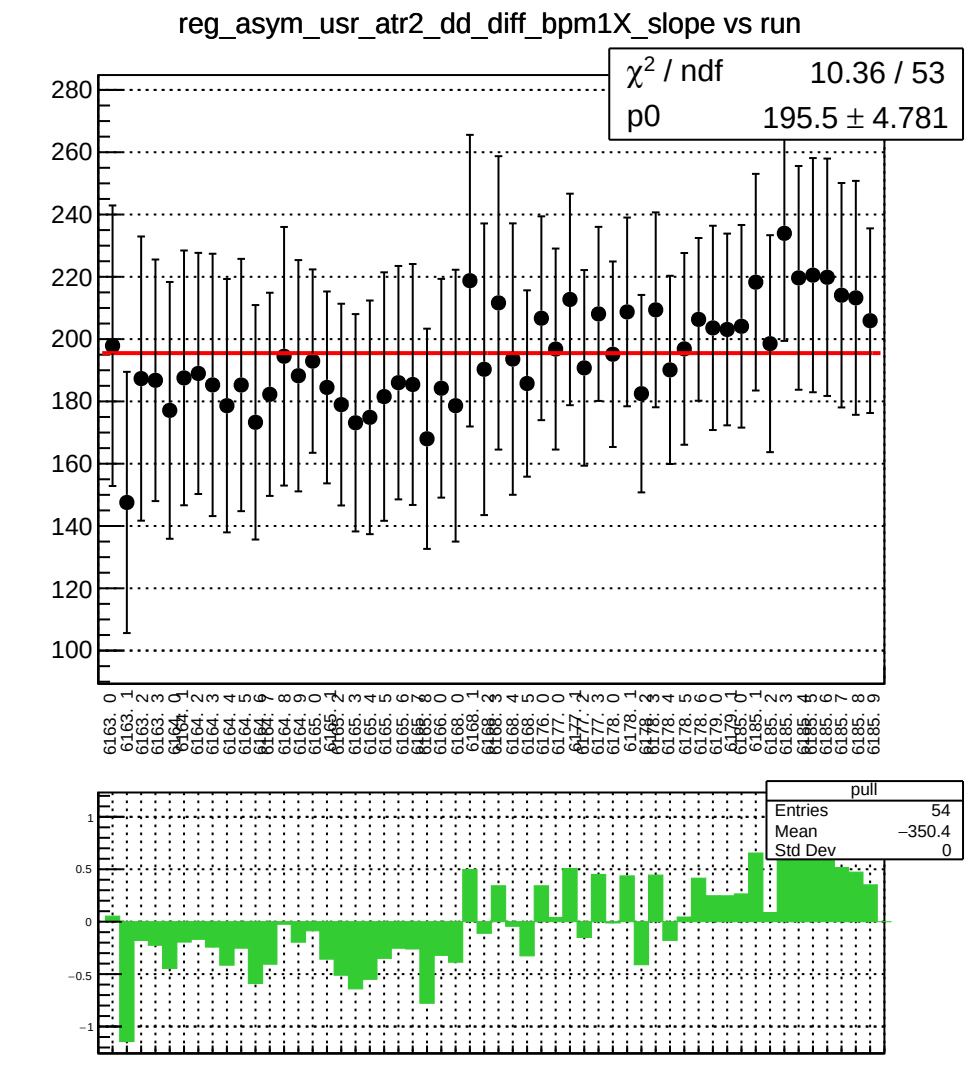

reg_asym_usr_atr2_avg_diff_bpm4eX_slope vs run
χ² / ndf 6.749 / 53
p0 437.5 ± 8.585
pull
Entries 54
Mean 2.666
Std Dev 0
pull1D
Entries 54
Mean 0.03578
Std Dev 0.3517

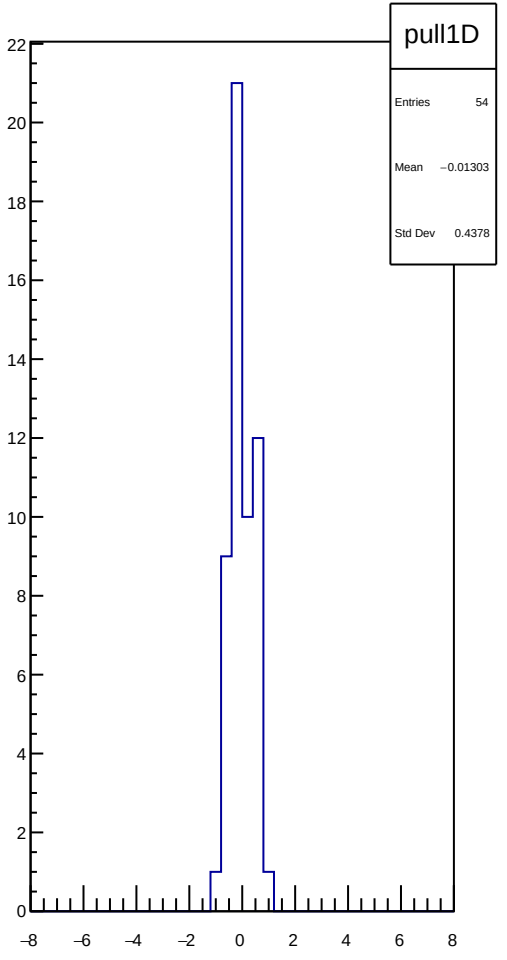

reg_asym_usr_atr2_avg_diff_bpm4eY_slope vs run
χ² / ndf 5.077 / 53
p0 85.27 ± 8.726
pull
Entries 54
Mean −44.28
Std Dev 0

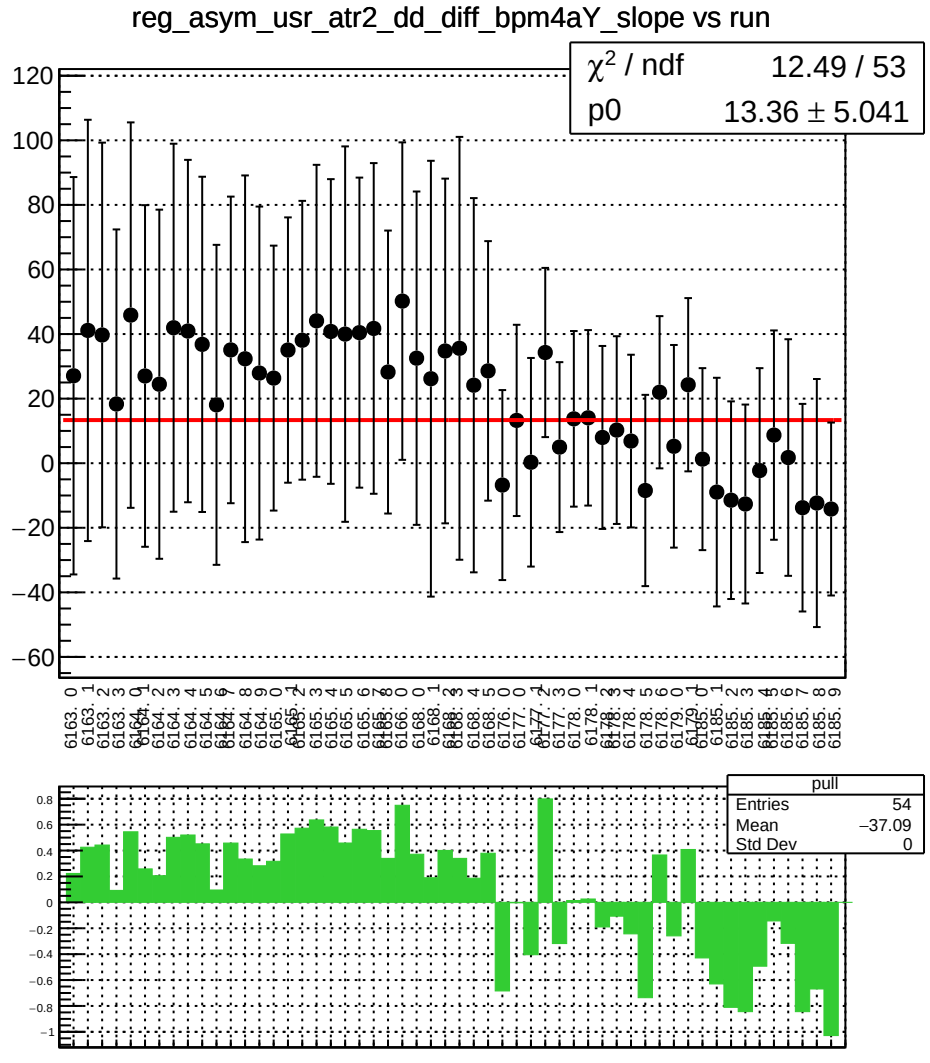

pull1D
Entries 54
Mean 0.03229
Std Dev 0.3049

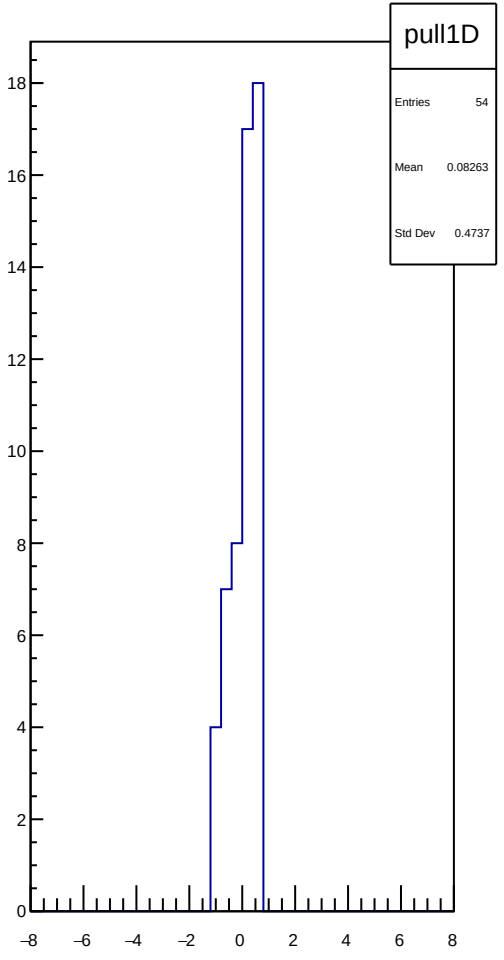

reg_asym_usr_atr2_avg_diff_bpm12X_slope vs run
χ² / ndf 10.18 / 53
p0 −146.2 ± 0.6952
pull
Entries 54
Mean −962.1
Std Dev 0

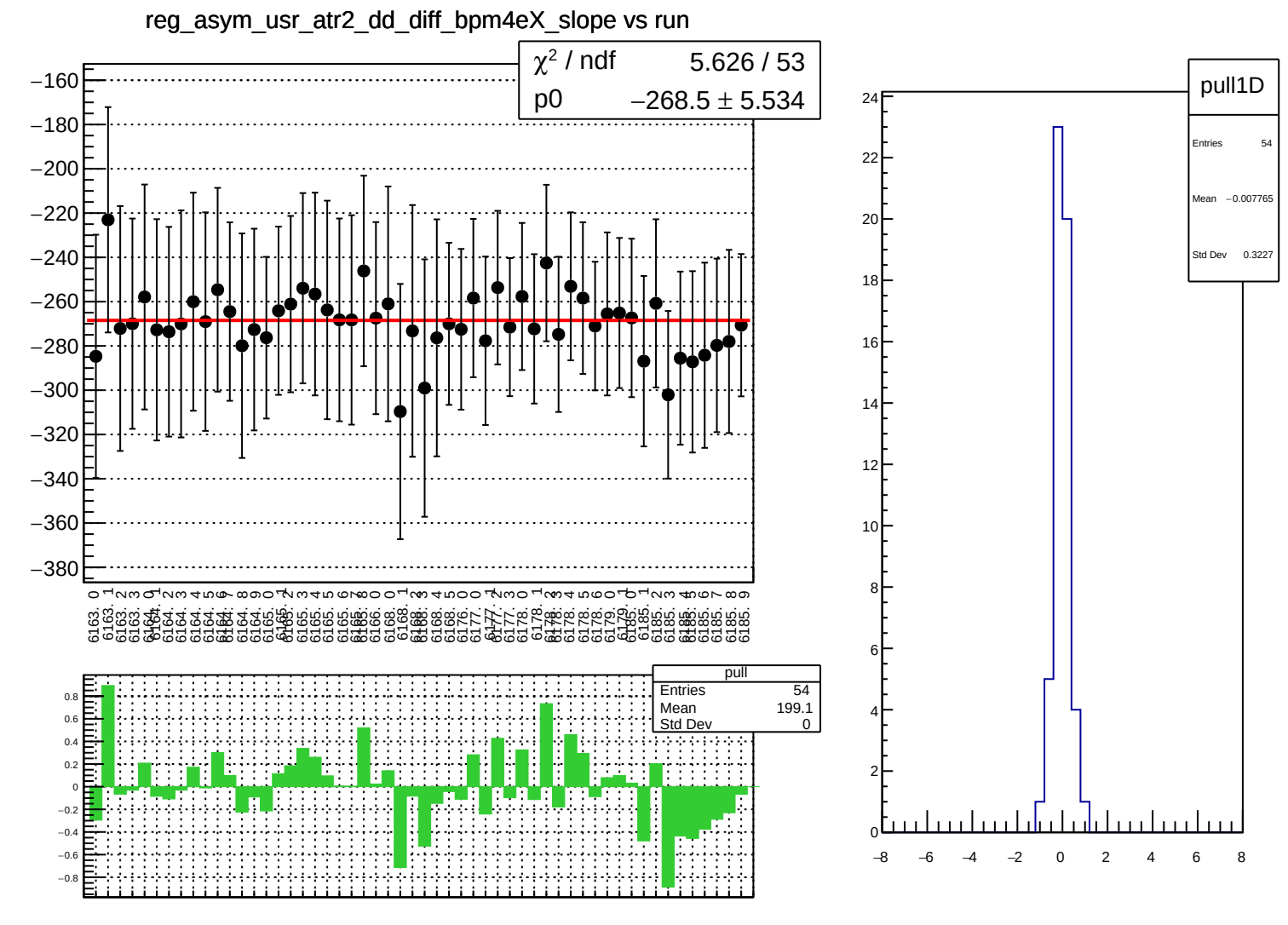

pull1D
Entries 54
Mean 0.002282
Std Dev 0.4343

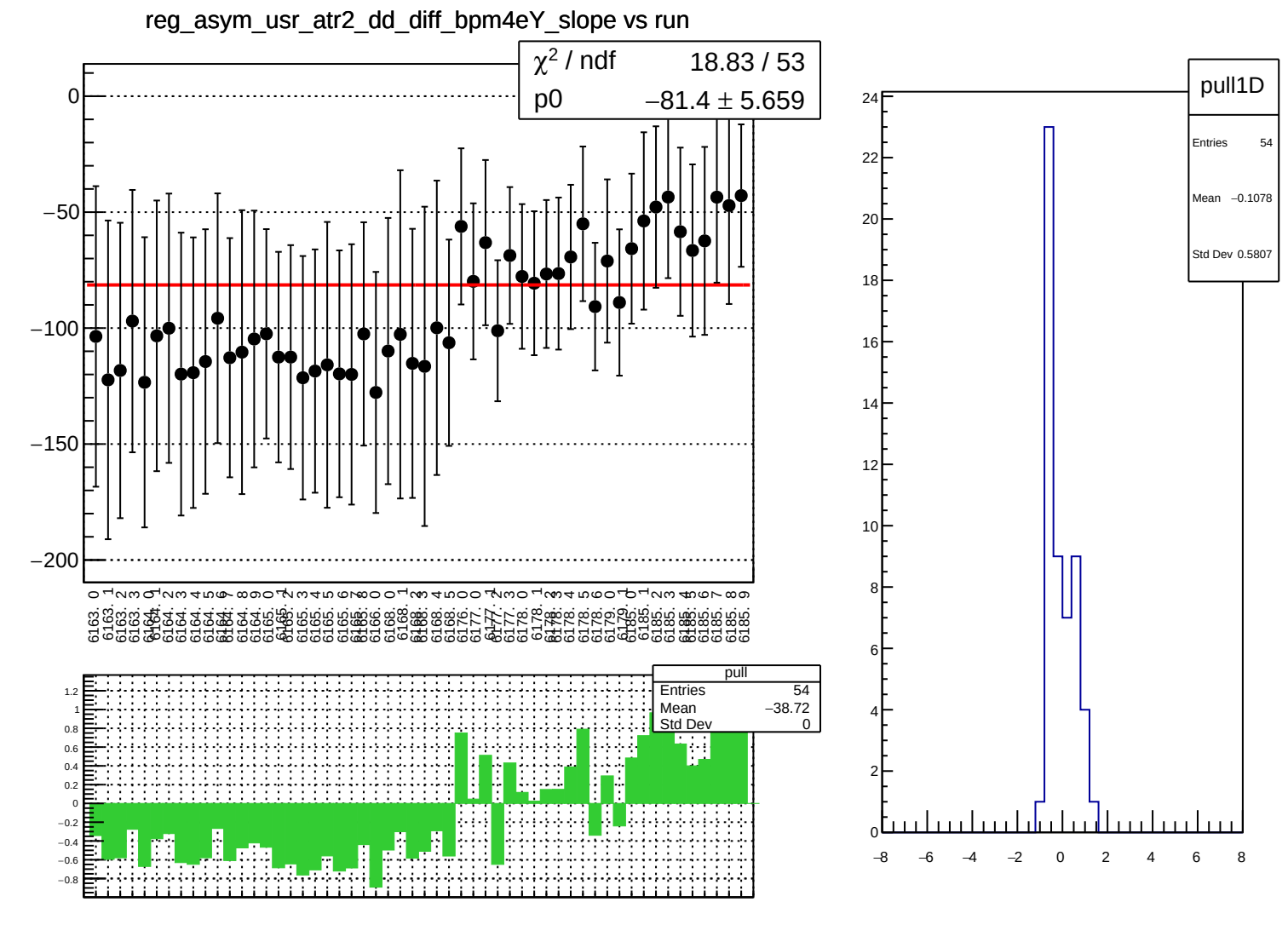

reg_asym_usr_atr2_dd_diff_bpm1X_slope vs run
χ² / ndf 10.36 / 53
p0 195.5 ± 4.781
pull
Entries 54
Mean −350.4
Std Dev 0

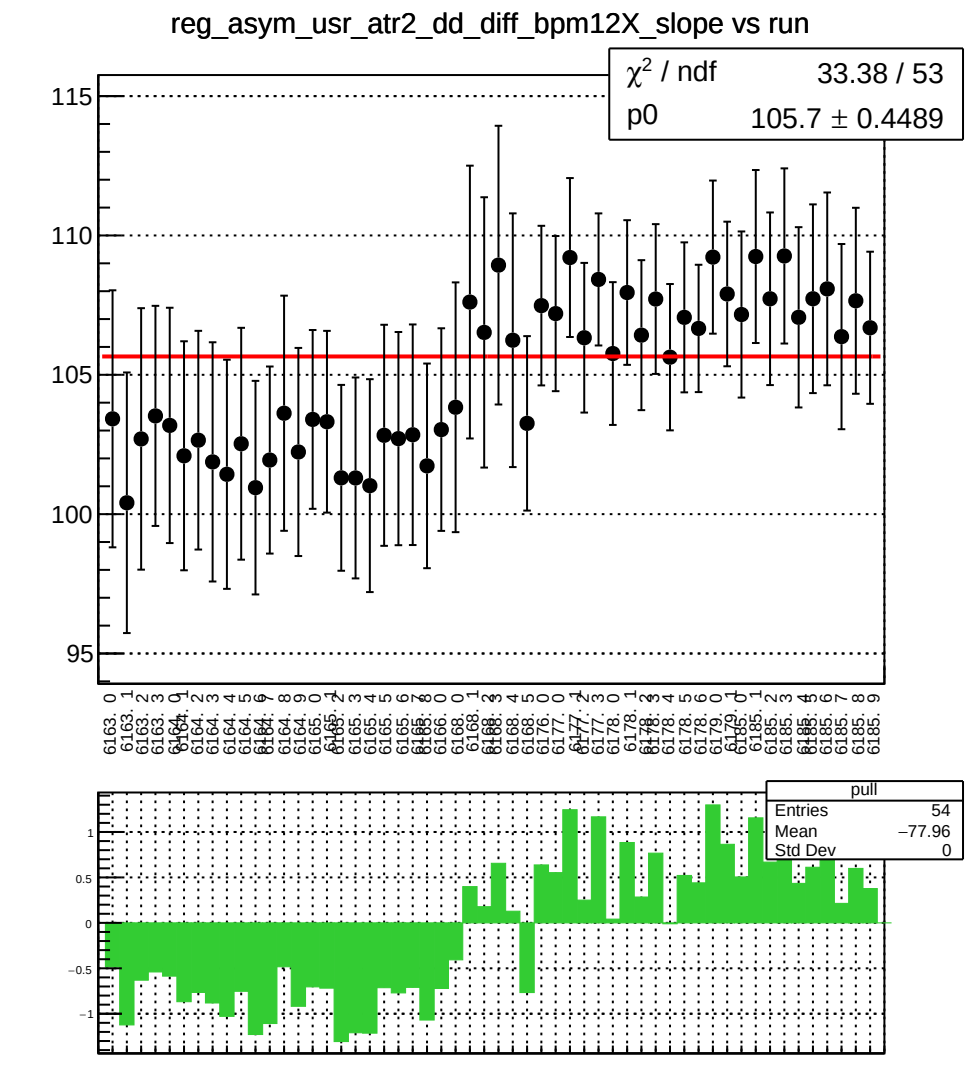

pull1D
Entries 54
Mean −0.01303
Std Dev 0.4378

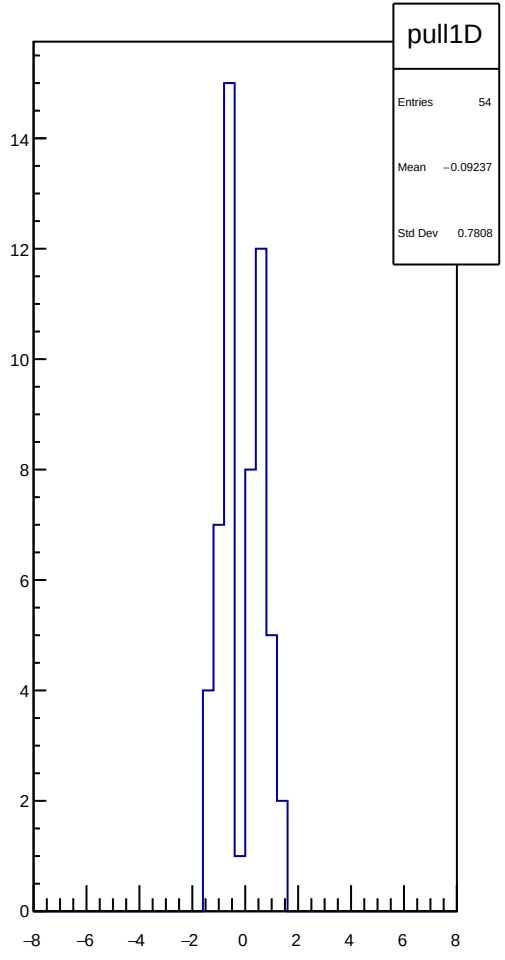

reg_asym_usr_atr2_dd_diff_bpm4aY_slope vs run
χ² / ndf 12.49 / 53
p0 13.36 ± 5.041
pull
Entries 54
Mean −37.09
Std Dev 0

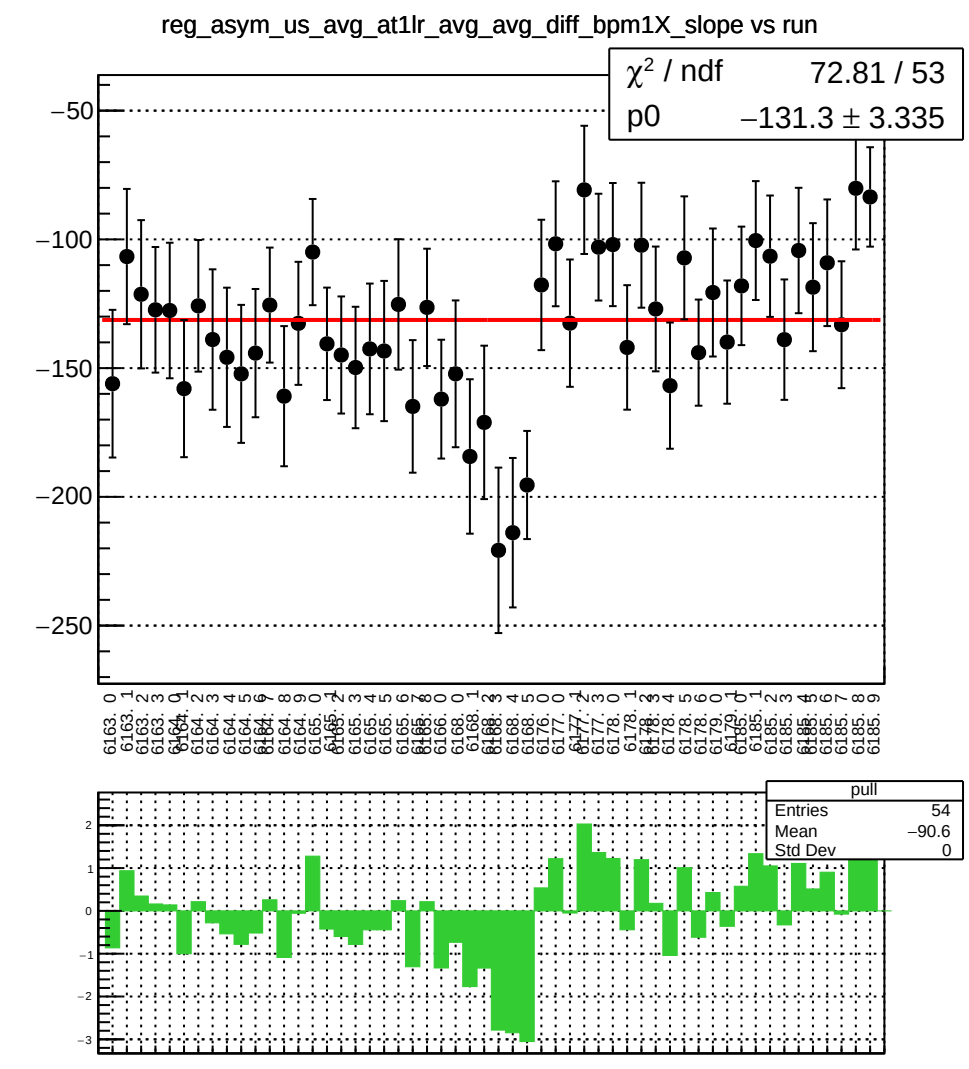

pull1D
Entries 54
Mean 0.08263
Std Dev 0.4737

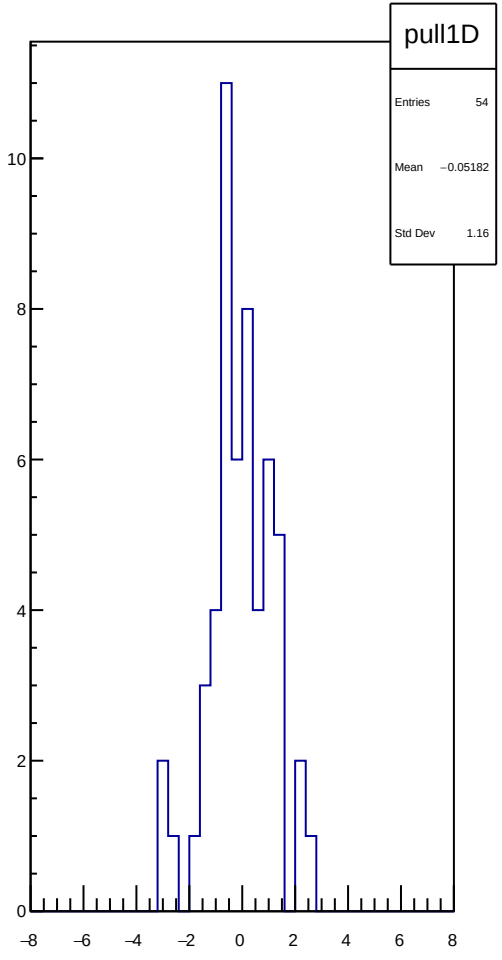

reg_asym_usr_atr2_dd_diff_bpm4eX_slope vs run
χ² / ndf 5.626 / 53
p0 −268.5 ± 5.534
pull
Entries 54
Mean 199.1
Std Dev 0
pull1D
Entries 54
Mean −0.007765
Std Dev 0.3227

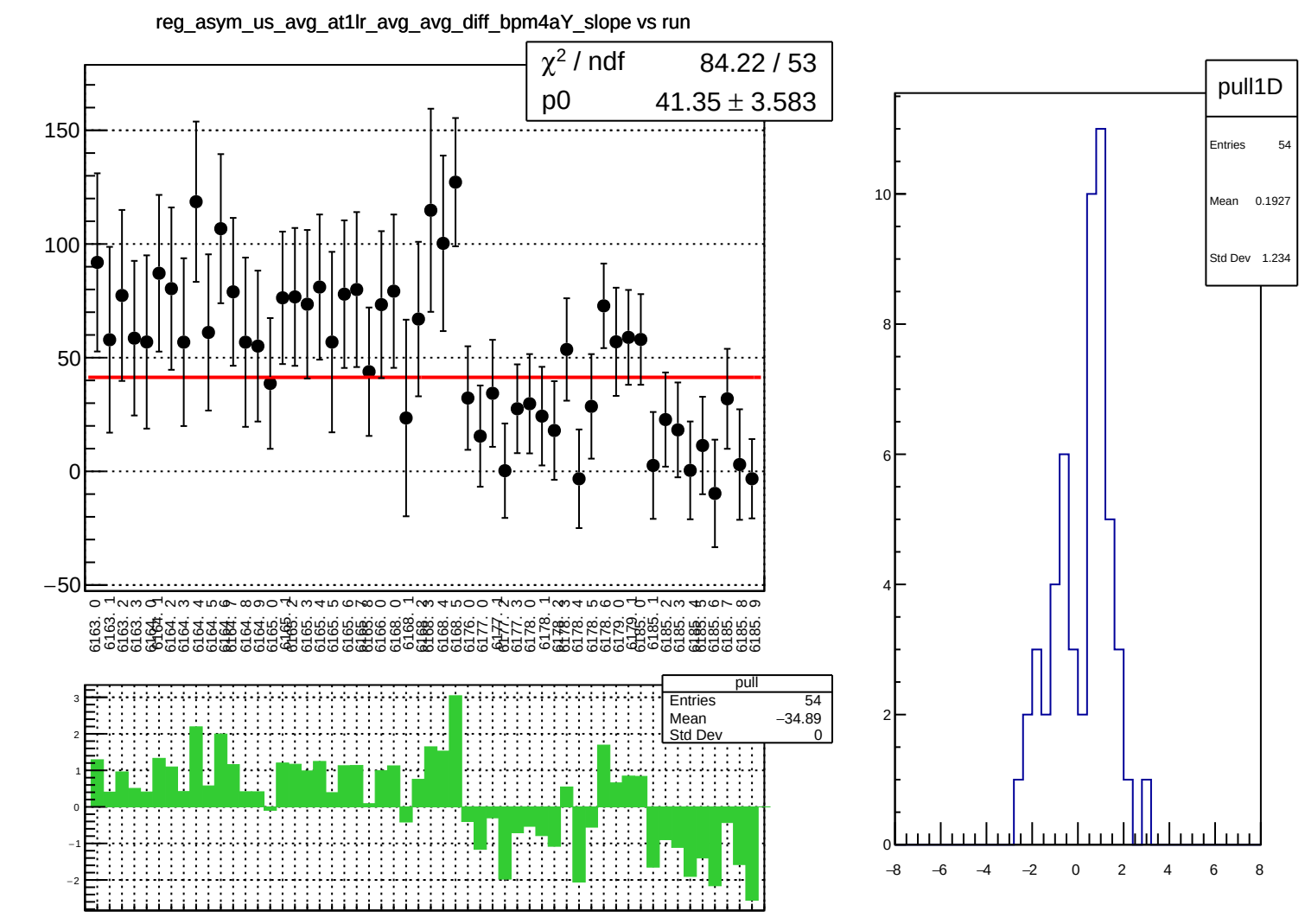

reg_asym_usr_atr2_dd_diff_bpm4eY_slope vs run
χ² / ndf 18.83 / 53
p0 −81.4 ± 5.659
pull
Entries 54
Mean −38.72
Std Dev 0
pull1D
Entries 54
Mean −0.1078
Std Dev 0.5807

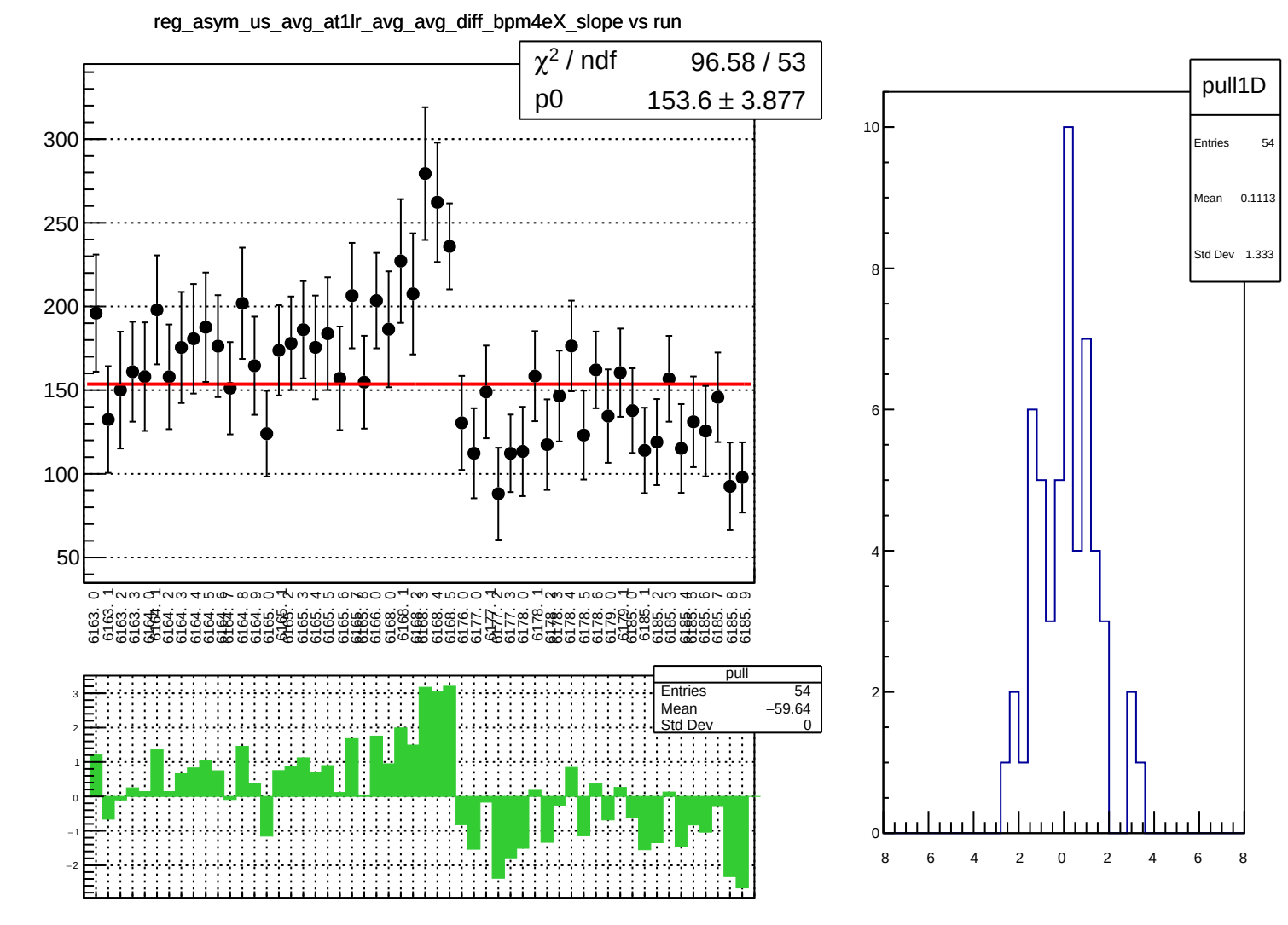

reg_asym_usr_atr2_dd_diff_bpm12X_slope vs run
χ² / ndf 33.38 / 53
p0 105.7 ± 0.4489
pull
Entries 54
Mean −77.96
Std Dev 0

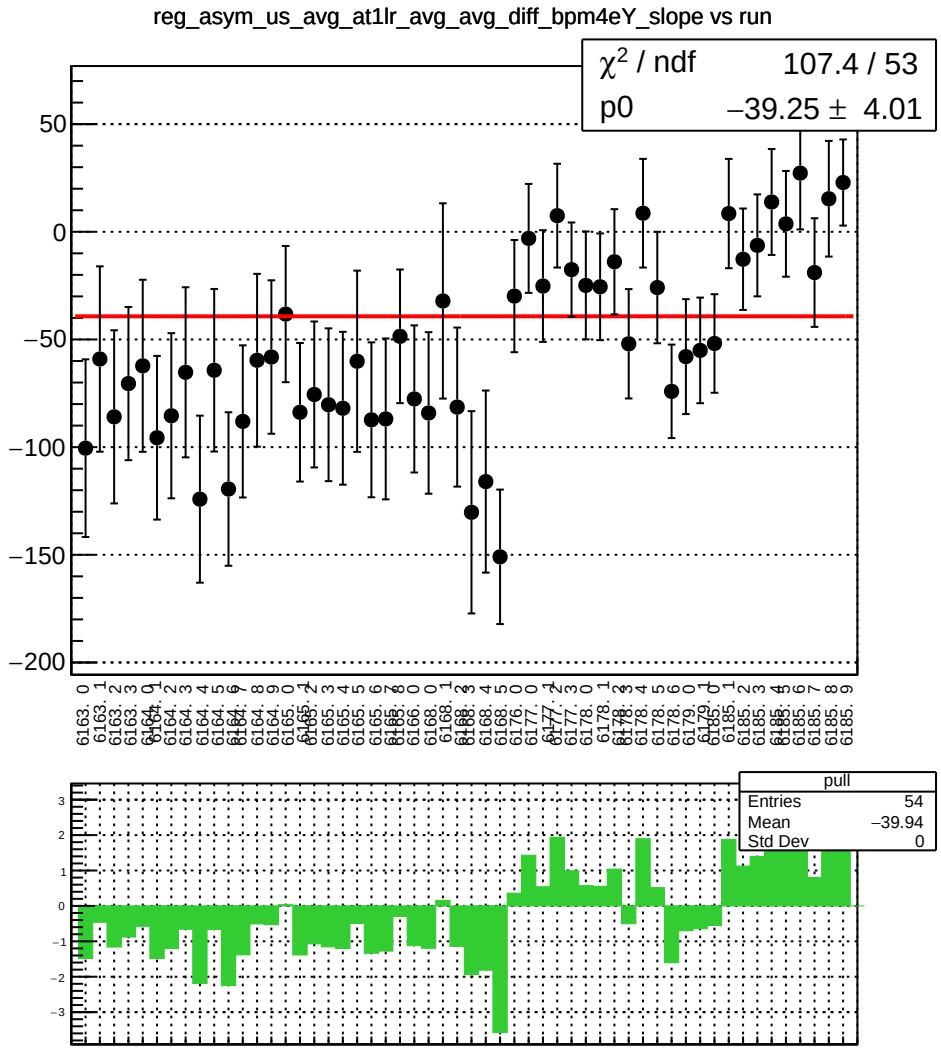

pull1D
Entries 54
Mean −0.09237
Std Dev 0.7808

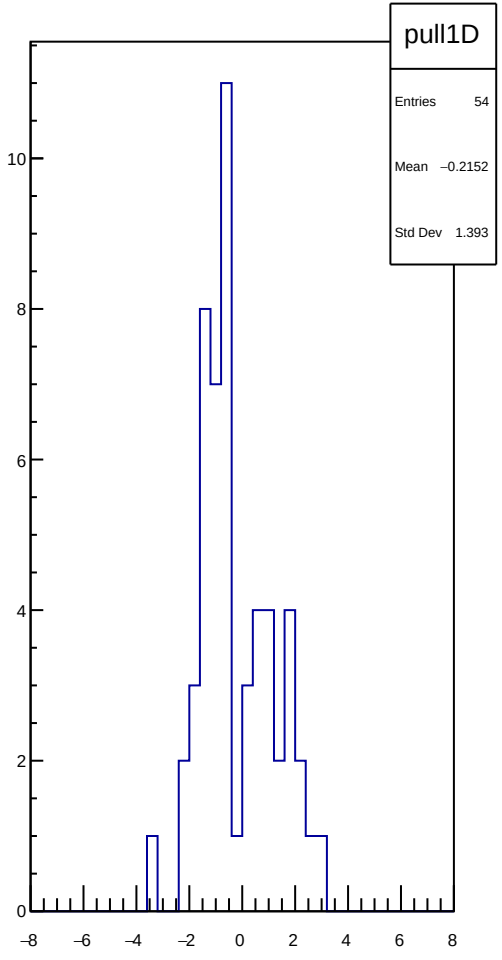

reg_asym_us_avg_at1lr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 72.81 / 53
p0 −131.3 ± 3.335
pull
Entries 54
Mean −90.6
Std Dev 0

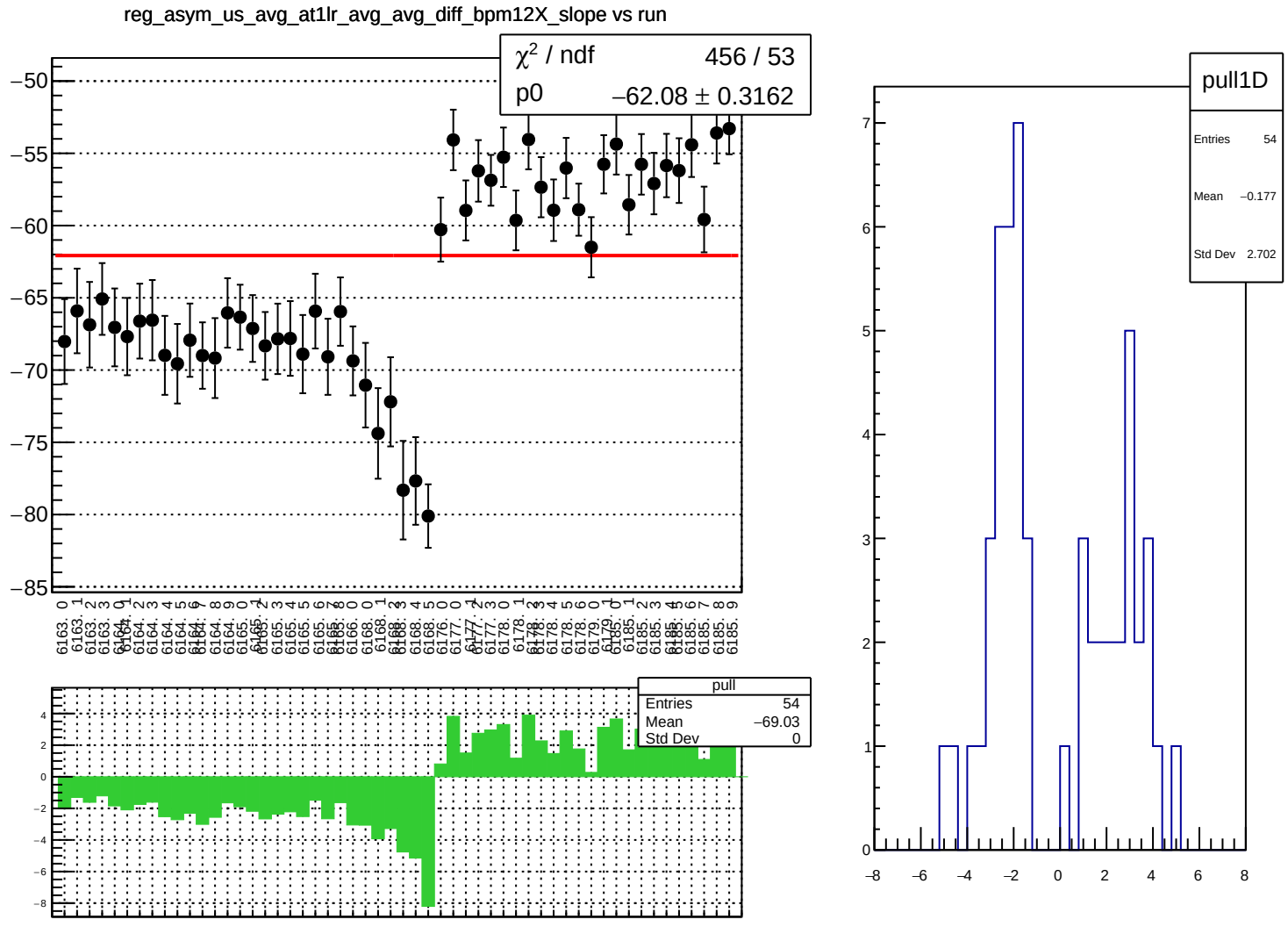

pull1D
Entries 54
Mean −0.05182
Std Dev 1.16

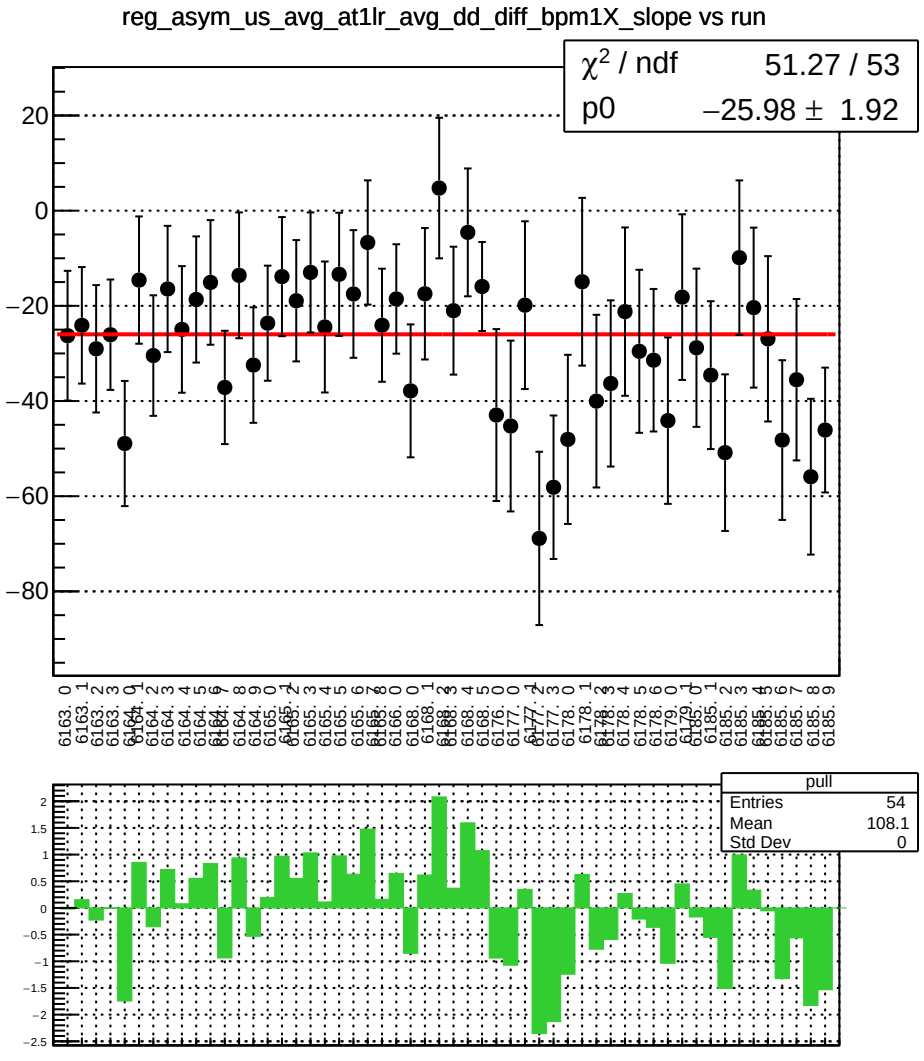

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 84.22 / 53
p0 41.35 ± 3.583
150
100
50
0
−50
pull
Entries 54
Mean −34.89
Std Dev 0
pull1D
Entries 54
Mean 0.1927
Std Dev 1.234
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

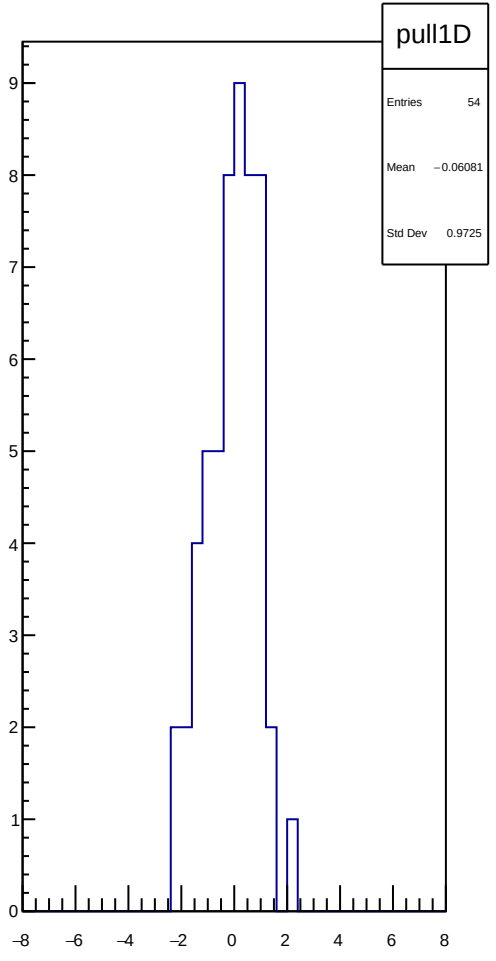

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 96.58 / 53
p0 153.6 ± 3.877
pull
Entries 54
Mean −59.64
Std Dev 0
pull1D
Entries 54
Mean 0.1113
Std Dev 1.333

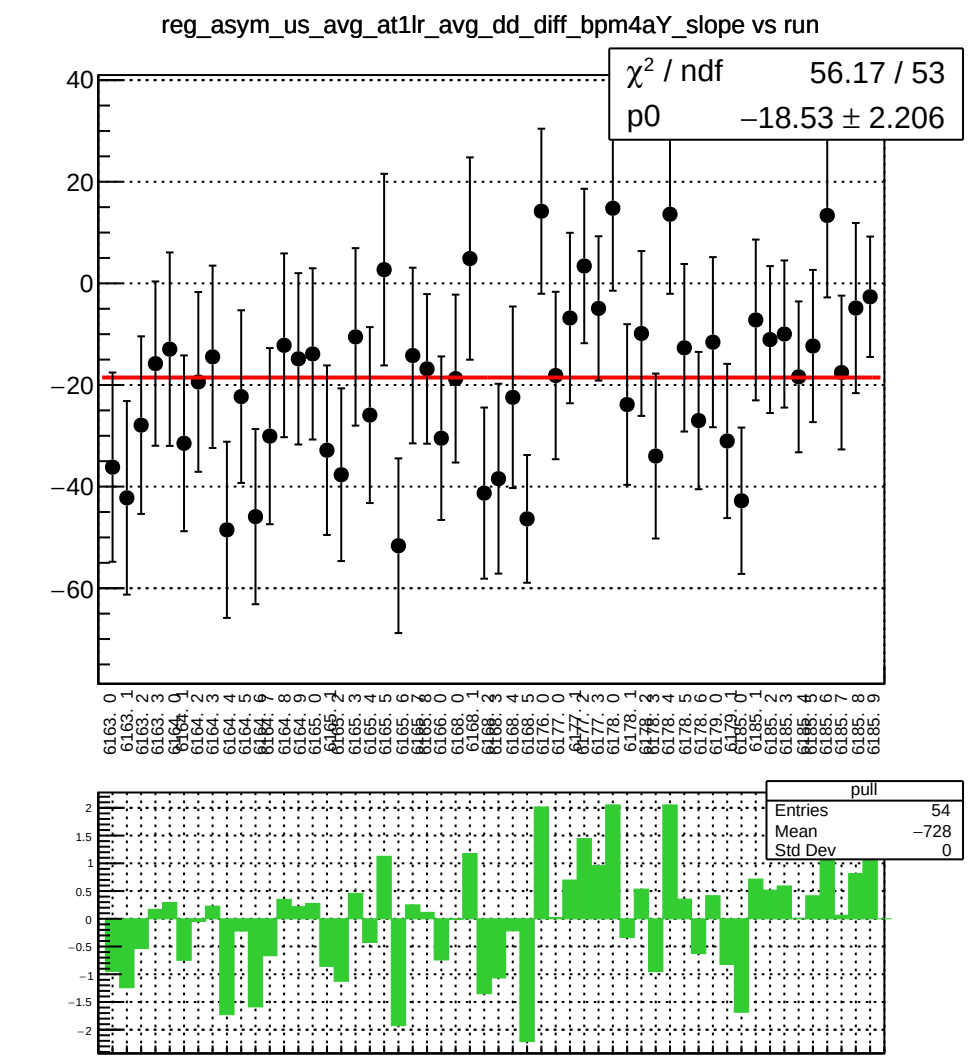

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 107.4 / 53
p0 −39.25 ± 4.01
pull
Entries 54
Mean −39.94
Std Dev 0

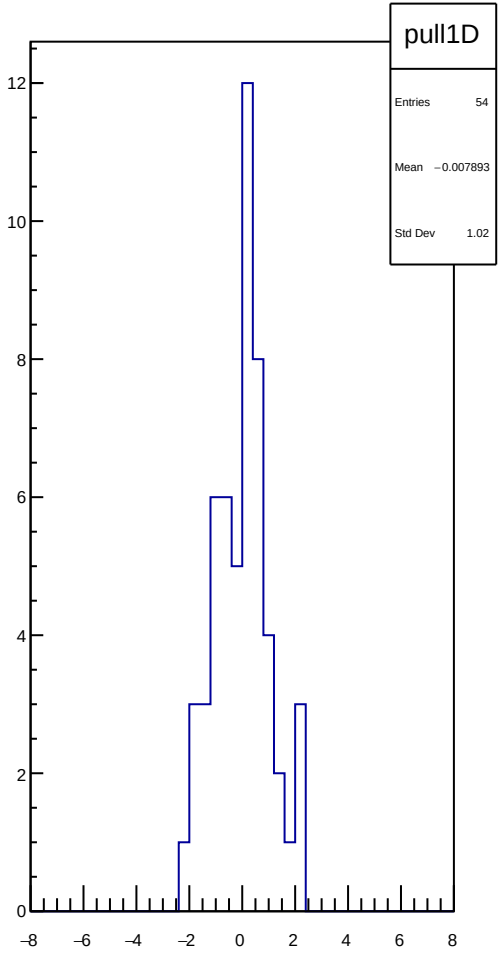

pull1D
Entries 54
Mean −0.2152
Std Dev 1.393

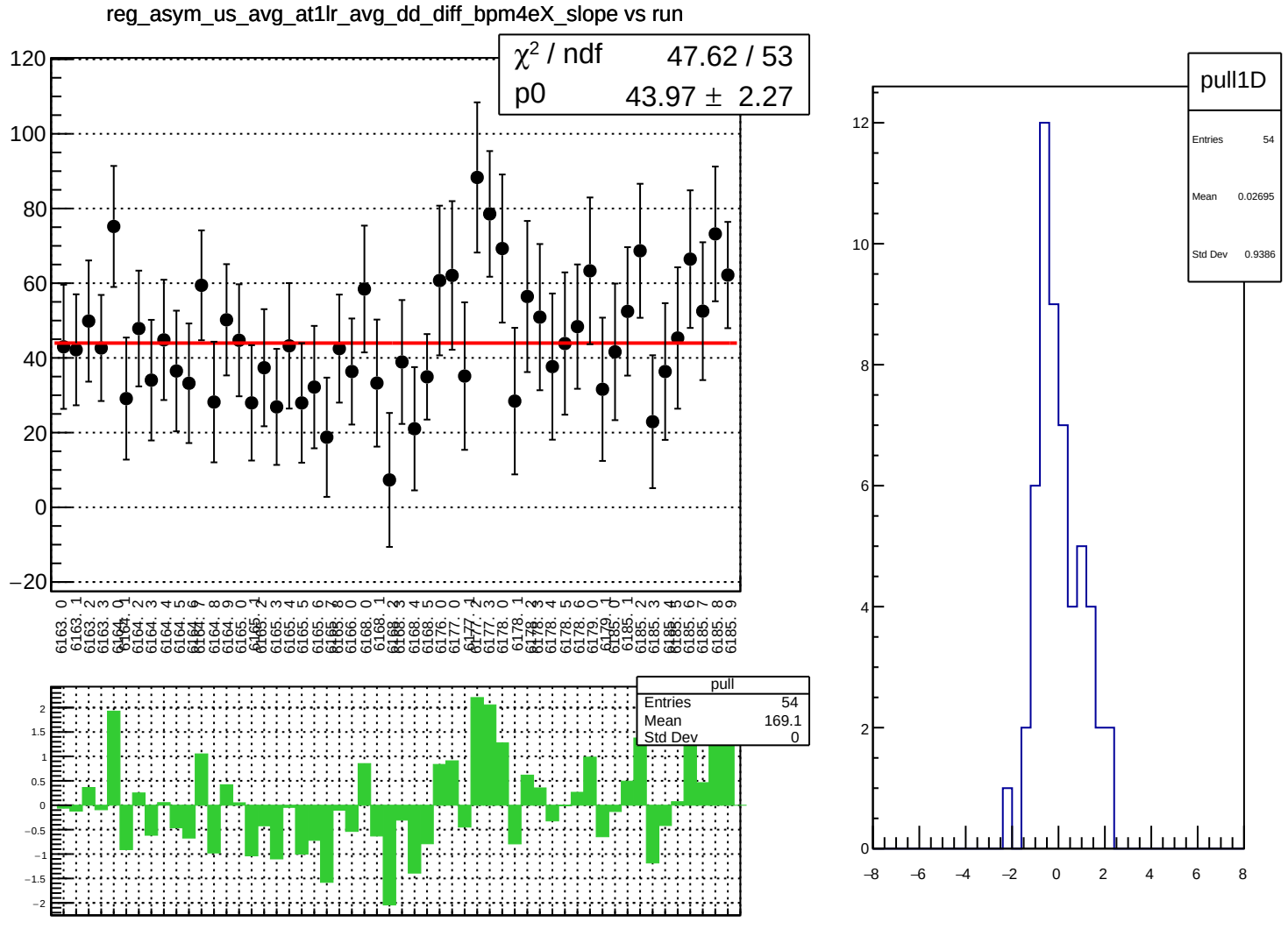

reg_asym_us_avg_at1lr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 456 / 53
p0 −62.08 ± 0.3162
pull
Entries 54
Mean −69.03
Std Dev 0
pull1D
Entries 54
Mean −0.177
Std Dev 2.702

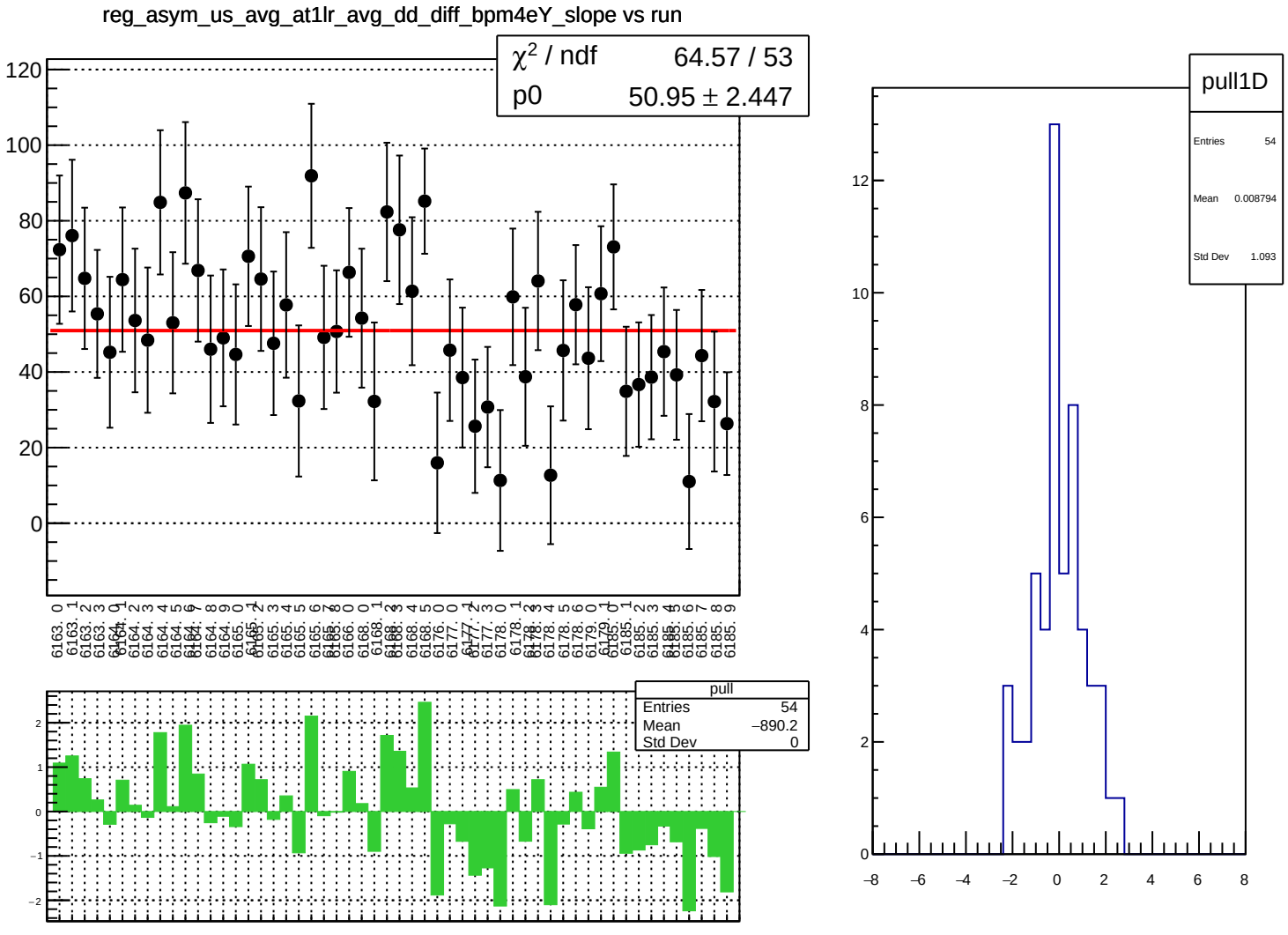

reg_asym_us_avg_at1lr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 51.27 / 53
p0 −25.98 ± 1.92
pull
Entries 54
Mean 108.1
Std Dev 0

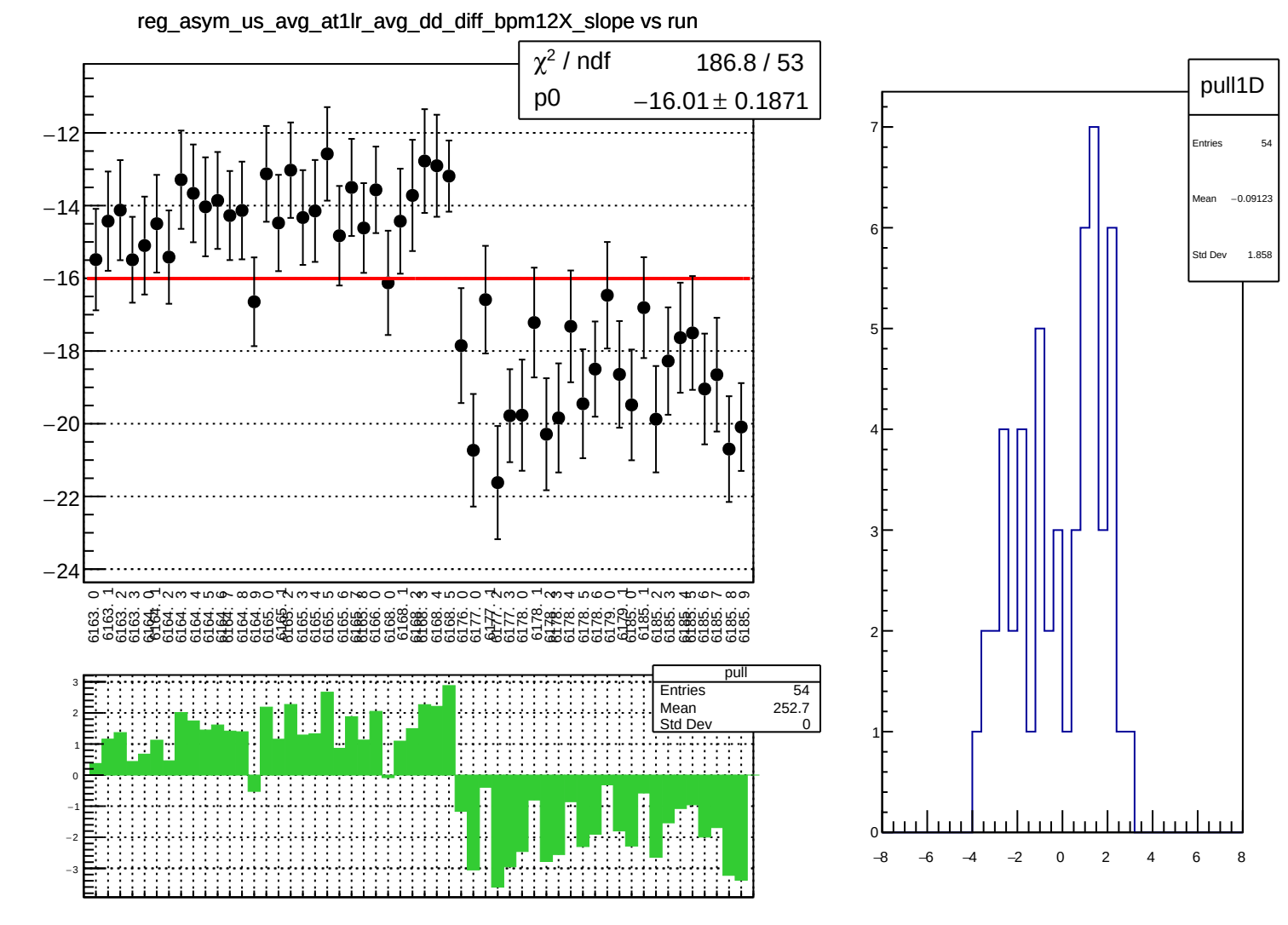

pull1D
Entries 54
Mean −0.06081
Std Dev 0.9725

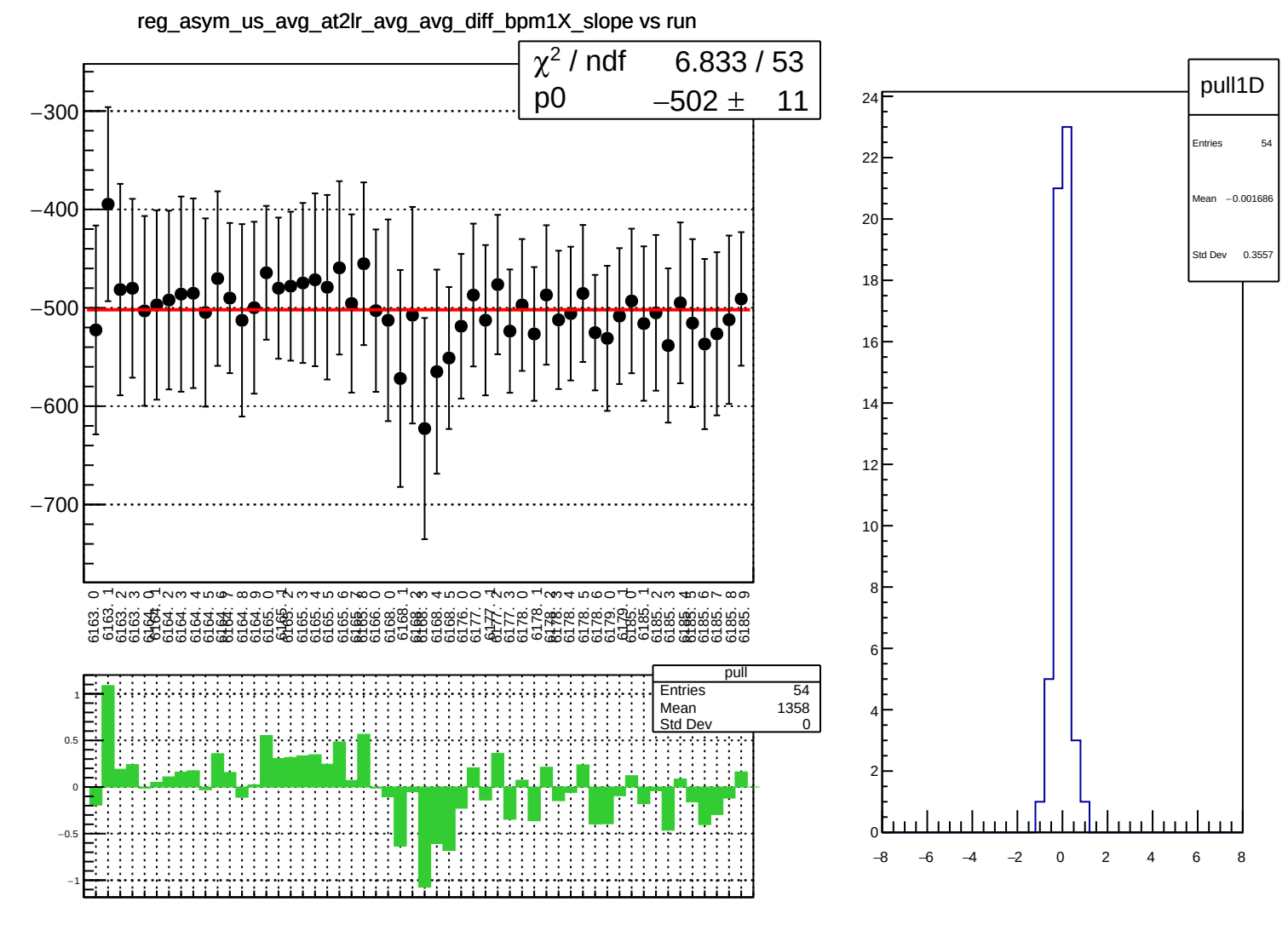

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 56.17 / 53
p0 −18.53 ± 2.206
pull
Entries 54
Mean −728
Std Dev 0

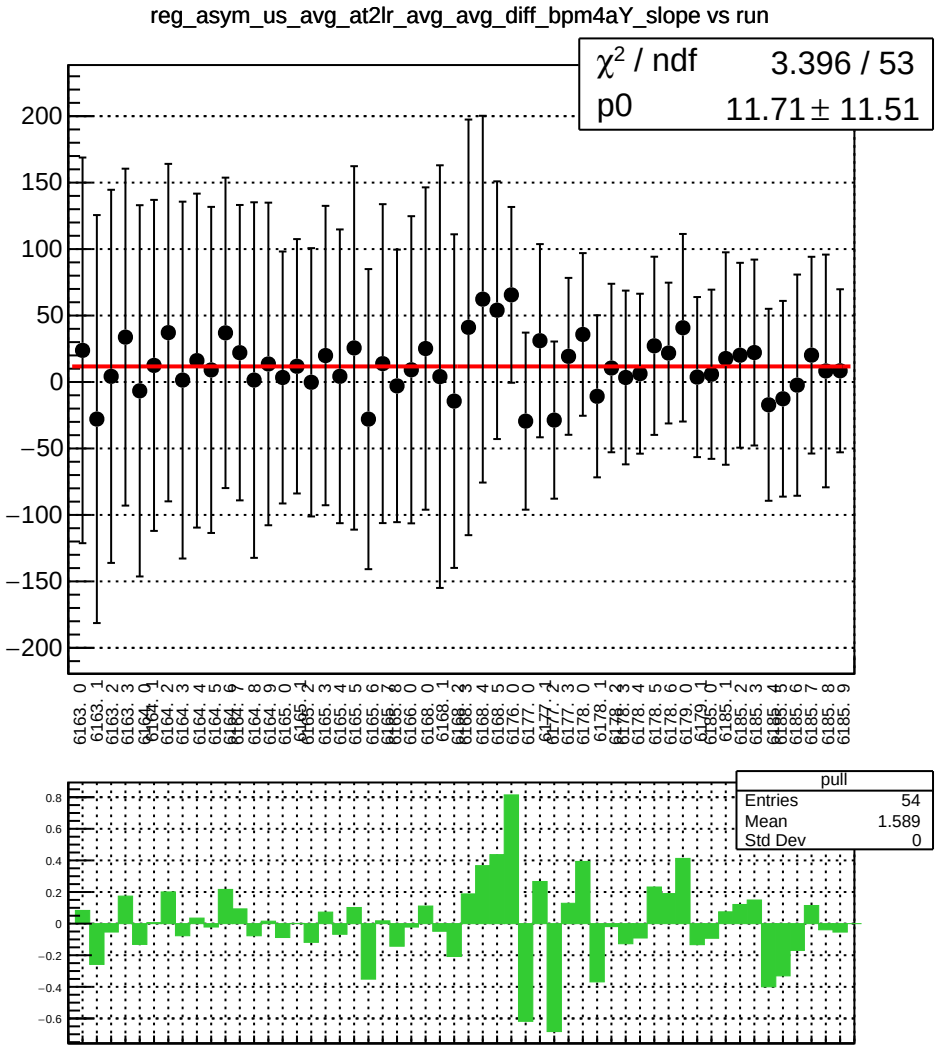

pull1D
Entries 54
Mean −0.007893
Std Dev 1.02

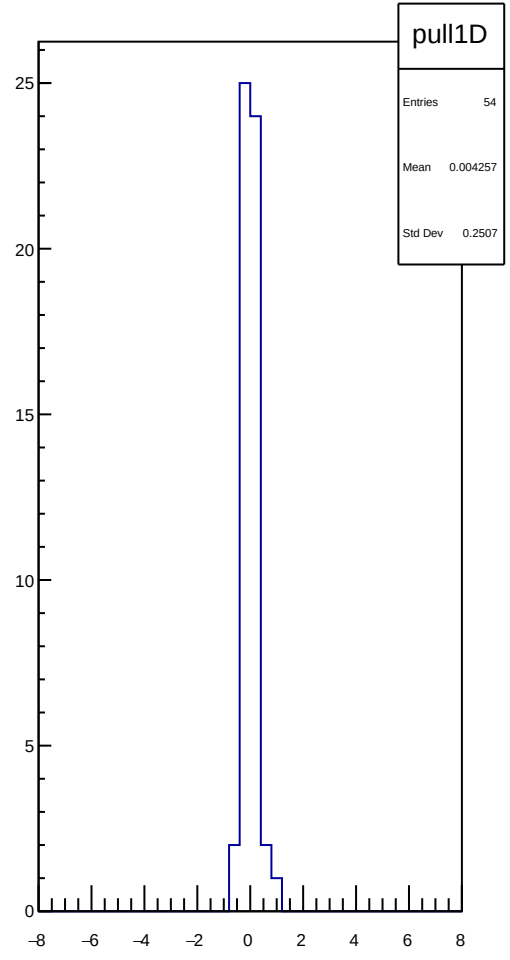

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 47.62 / 53
p0 43.97 ± 2.27
pull
Entries 54
Mean 169.1
Std Dev 0
pull1D
Entries 54
Mean 0.02695
Std Dev 0.9386

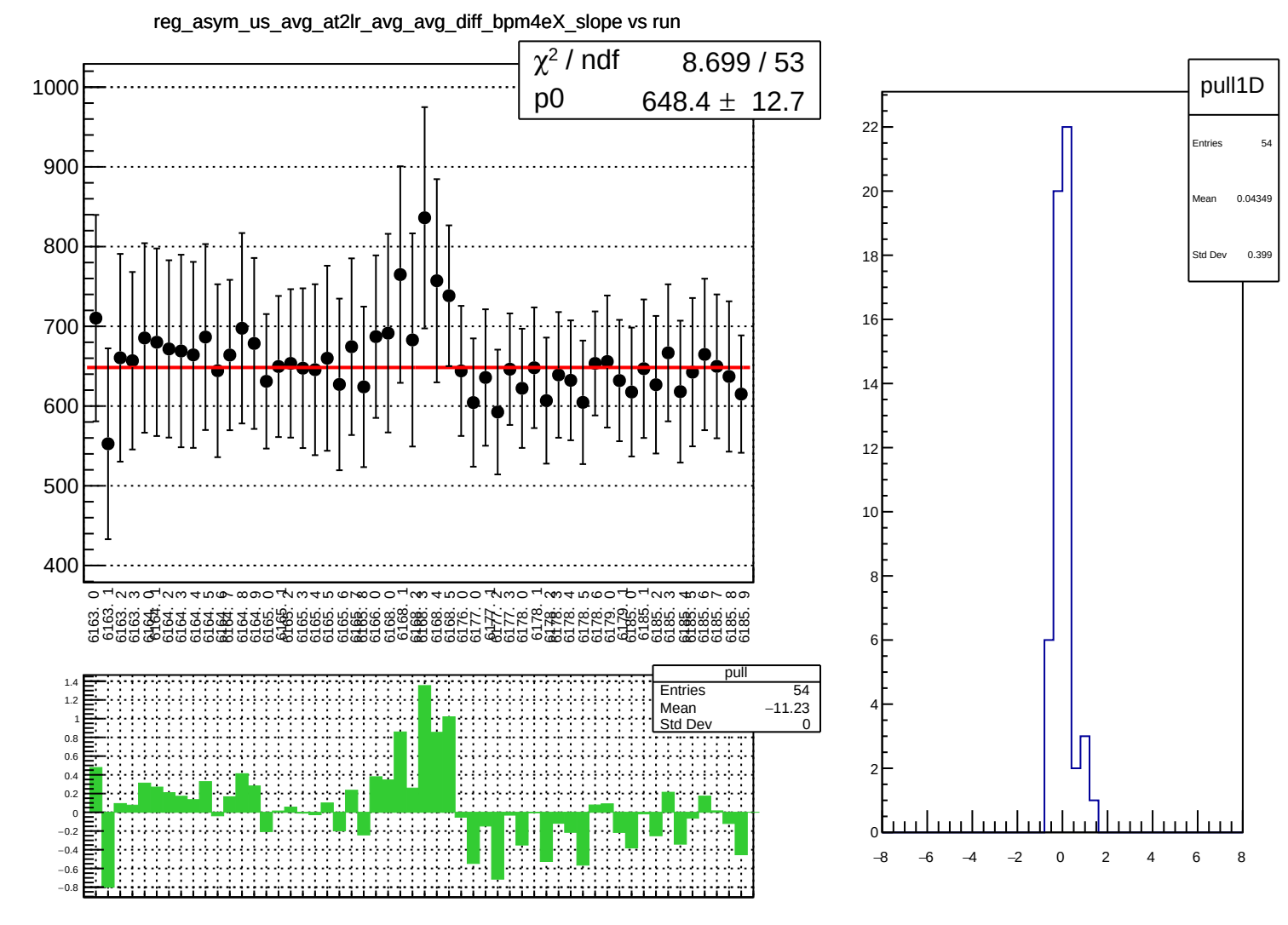

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 64.57 / 53
p0 50.95 ± 2.447
pull
Entries 54
Mean −890.2
Std Dev 0
pull1D
Entries 54
Mean 0.008794
Std Dev 1.093

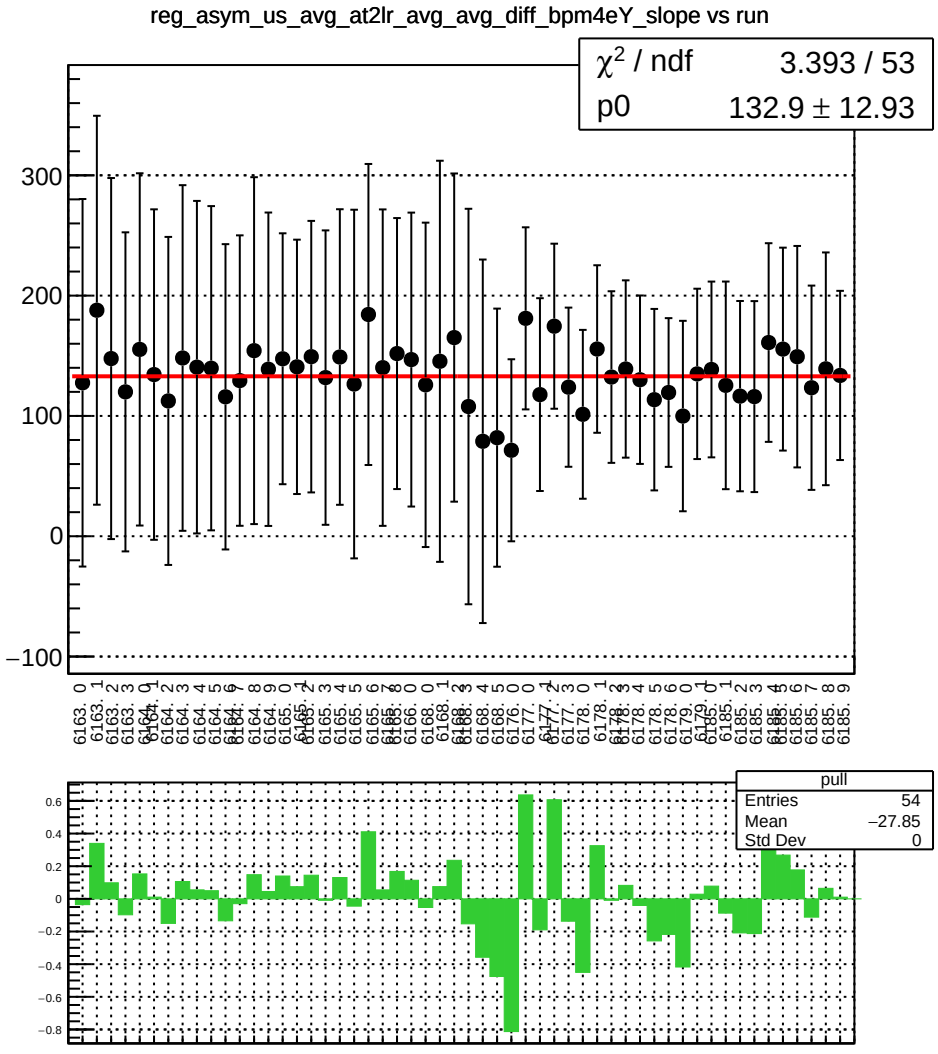

reg_asym_us_avg_at1lr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 186.8 / 53
p0 −16.01 ± 0.1871
pull
Entries 54
Mean 252.7
Std Dev 0
pull1D
Entries 54
Mean −0.09123
Std Dev 1.858

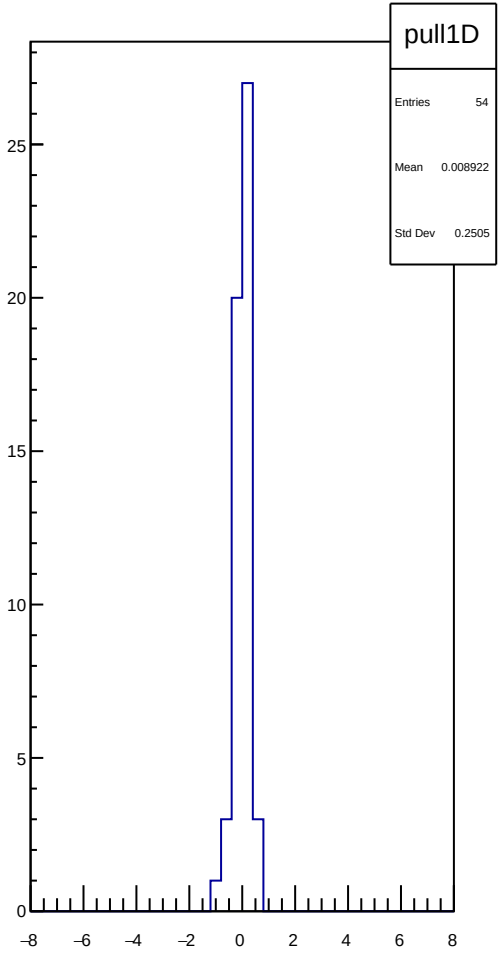

reg_asym_us_avg_at2lr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 6.833 / 53
p0 −502 ± 11
−300
−400
−500
−600
−700
pull
Entries 54
Mean 1358
Std Dev 0
pull1D
Entries 54
Mean −0.001686
Std Dev 0.3557

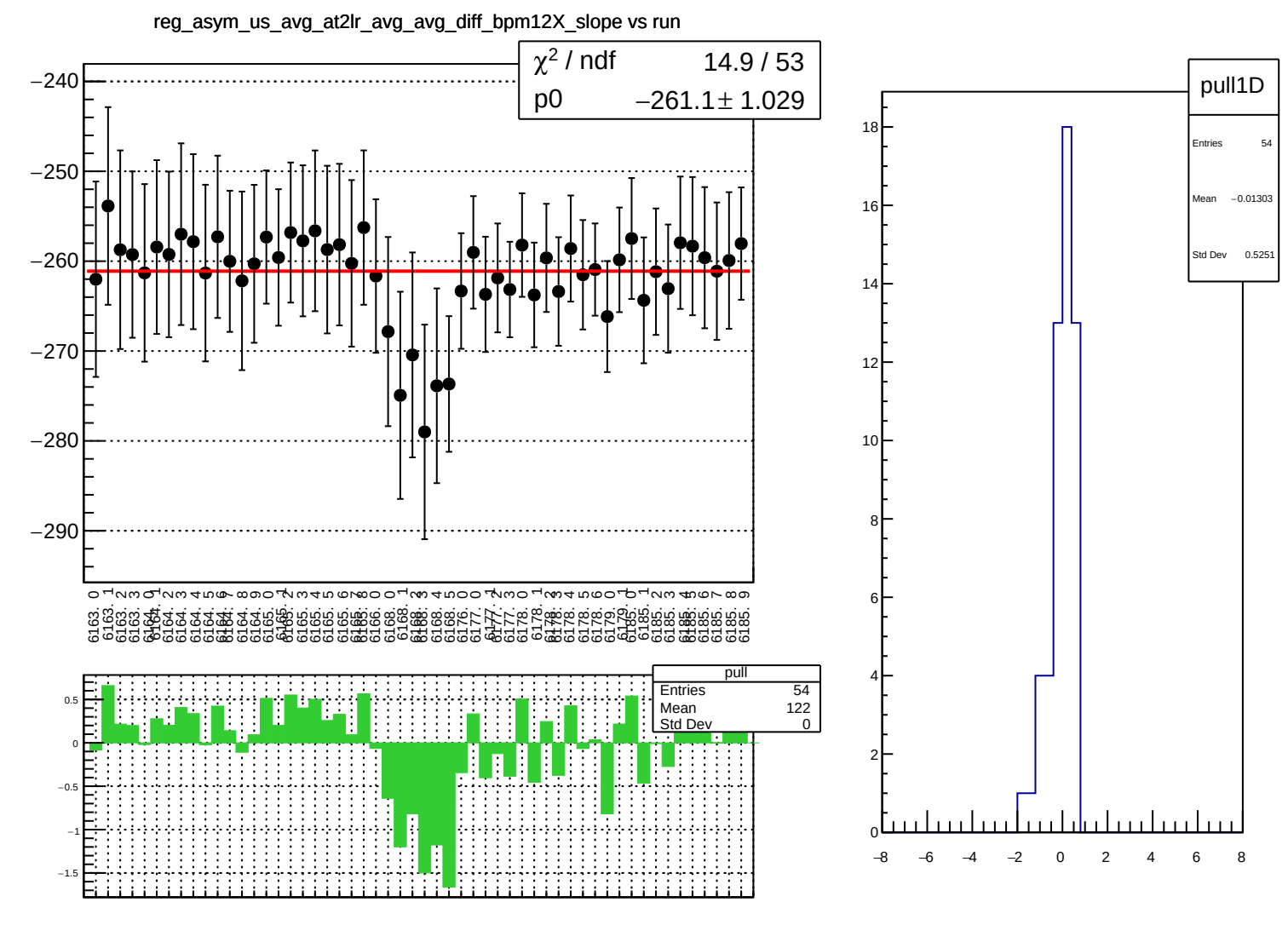

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 3.396 / 53
p0 11.71 ± 11.51
pull
Entries 54
Mean 1.589
Std Dev 0

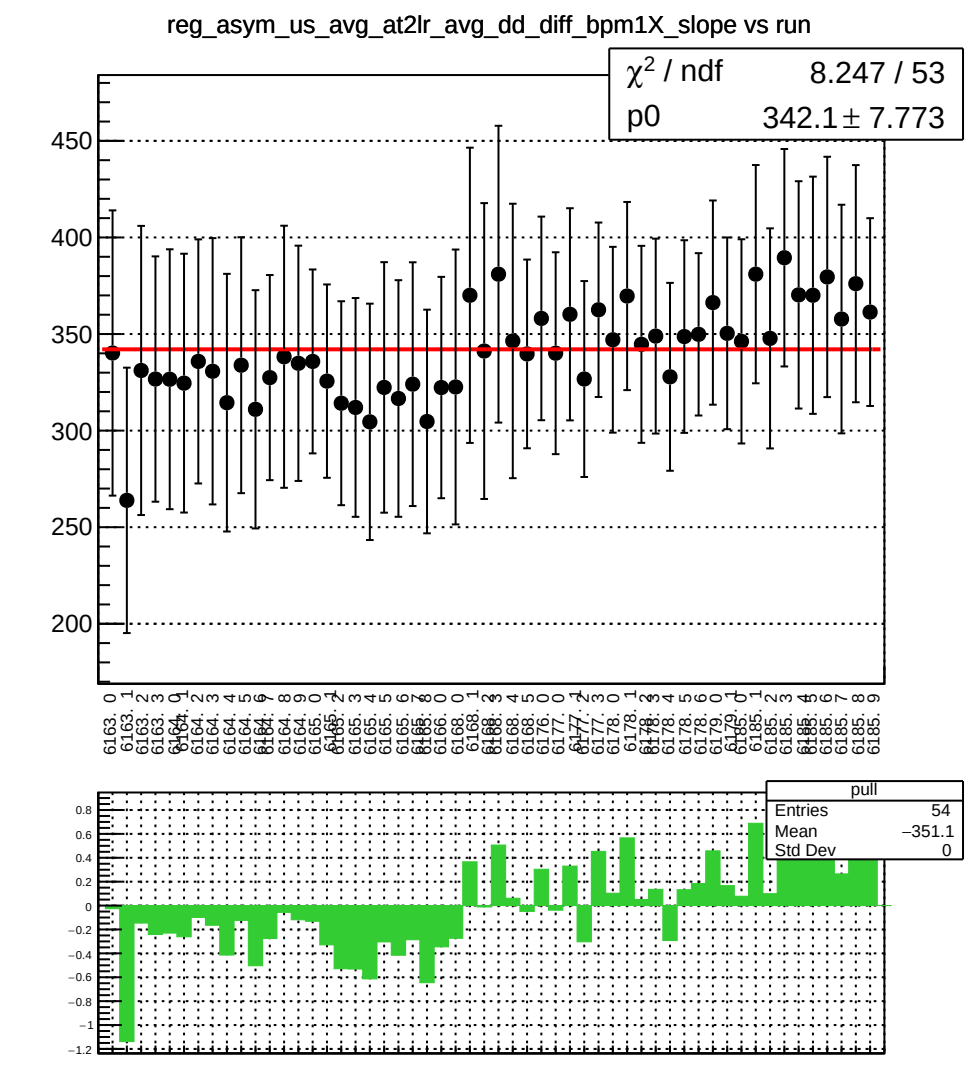

pull1D
Entries 54
Mean 0.004257
Std Dev 0.2507

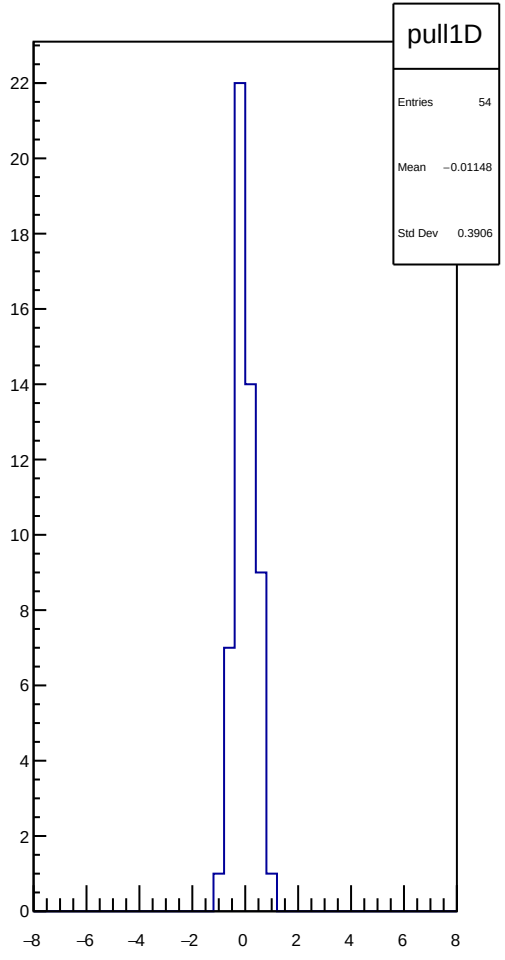

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 8.699 / 53
p0 648.4 ± 12.7
pull
Entries 54
Mean −11.23
Std Dev 0
pull1D
Entries 54
Mean 0.04349
Std Dev 0.399

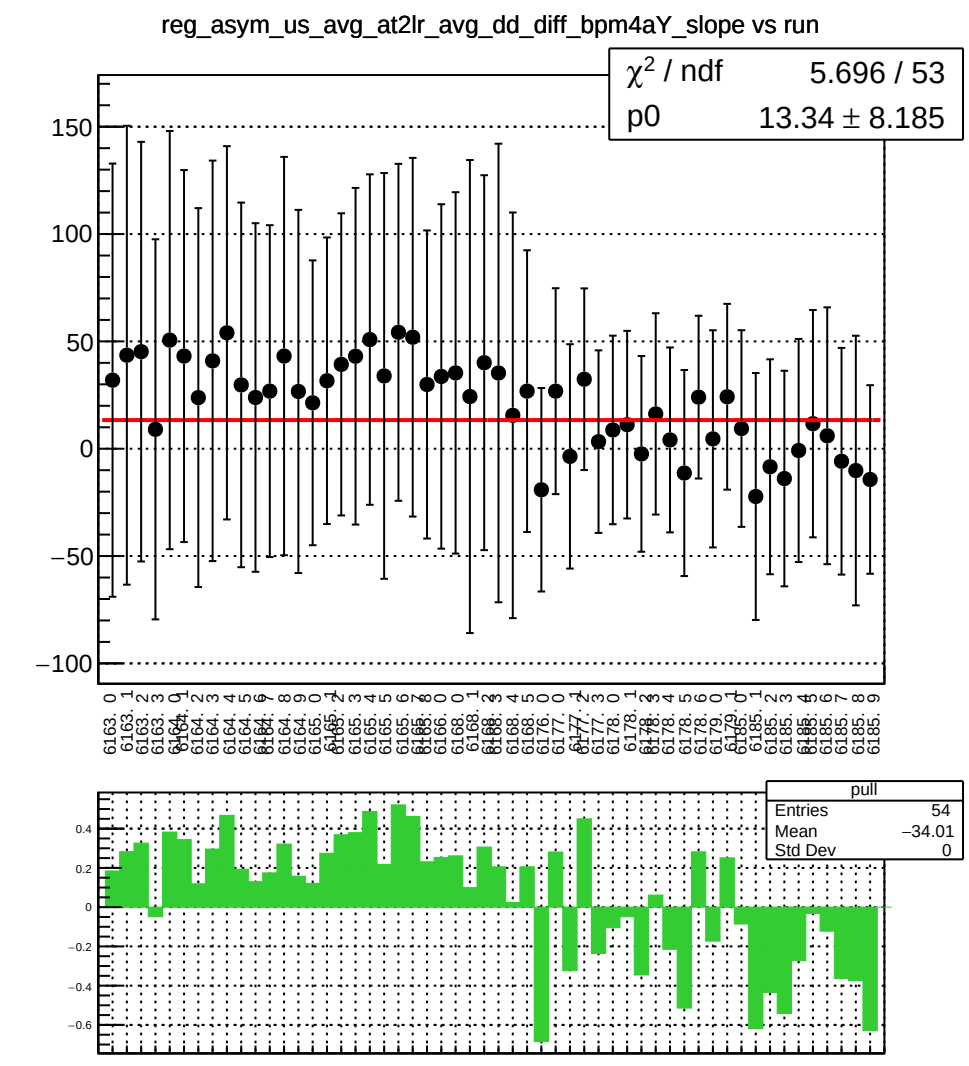

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 3.393 / 53
p0 132.9 ± 12.93
300
200
100
0
−100
pull
Entries 54
Mean −27.85
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

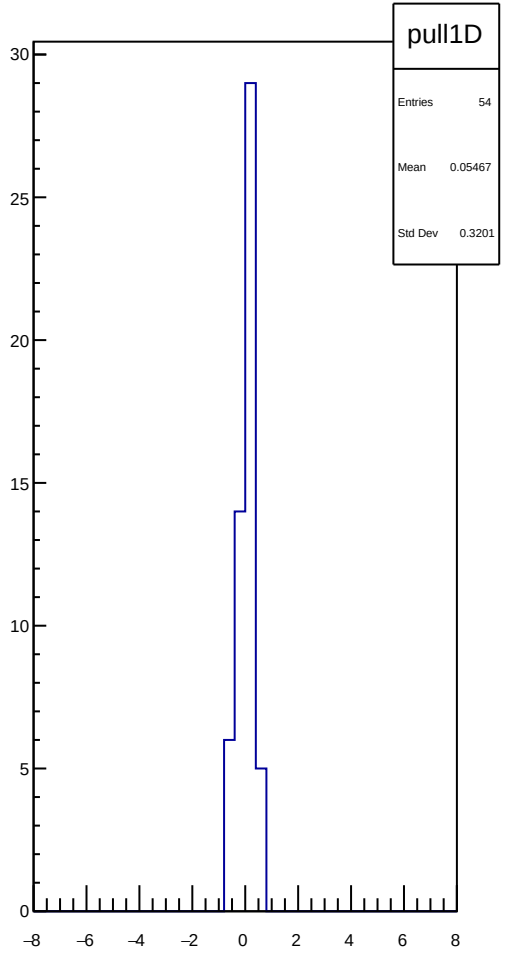

pull1D
Entries 54
Mean 0.008922
Std Dev 0.2505
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

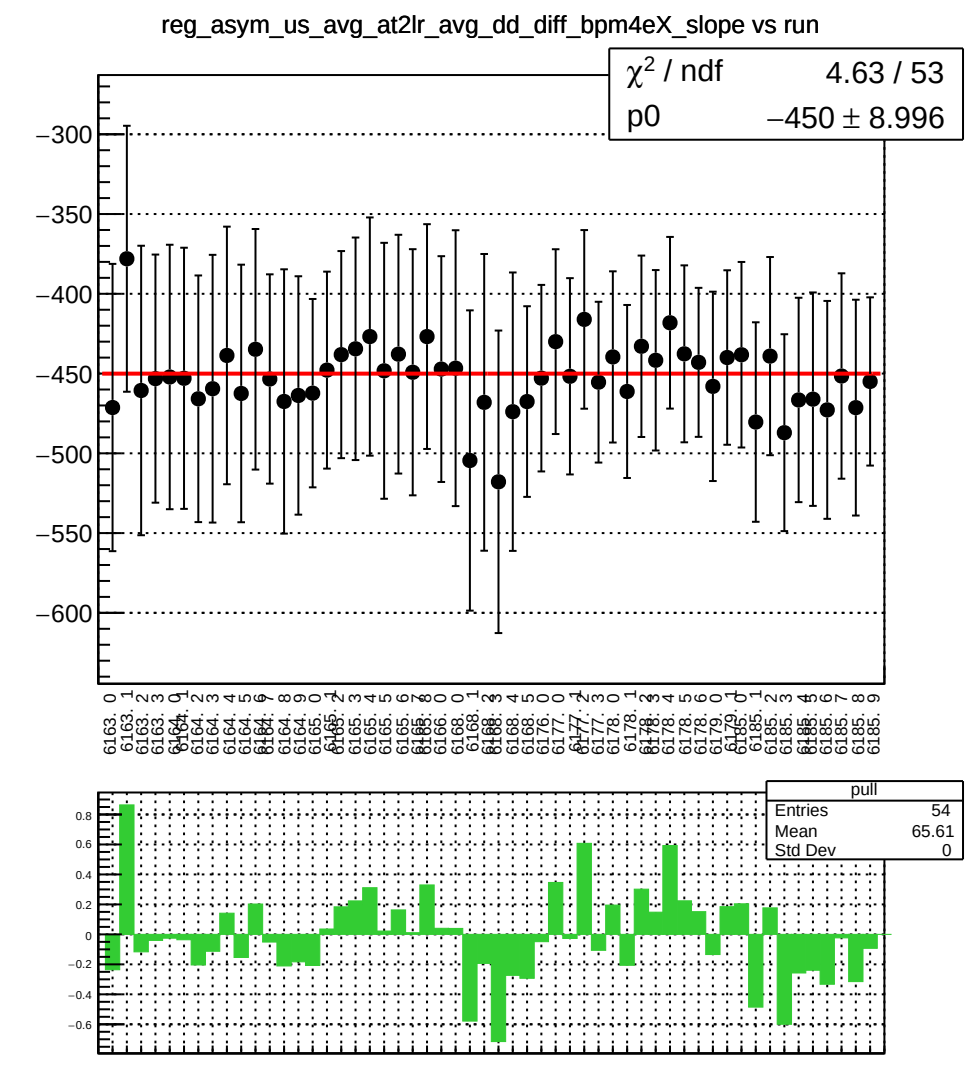

reg_asym_us_avg_at2lr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 14.9 / 53
p0 −261.1± 1.029
pull
Entries 54
Mean 122
Std Dev 0
pull1D
Entries 54
Mean −0.01303
Std Dev 0.5251

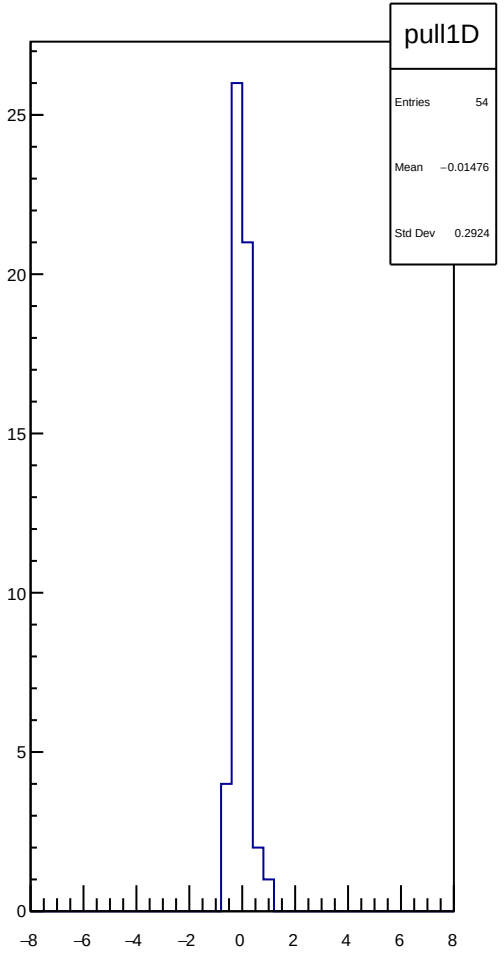

reg_asym_us_avg_at2lr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 8.247 / 53
p0 342.1 ± 7.773
pull
Entries 54
Mean −351.1
Std Dev 0

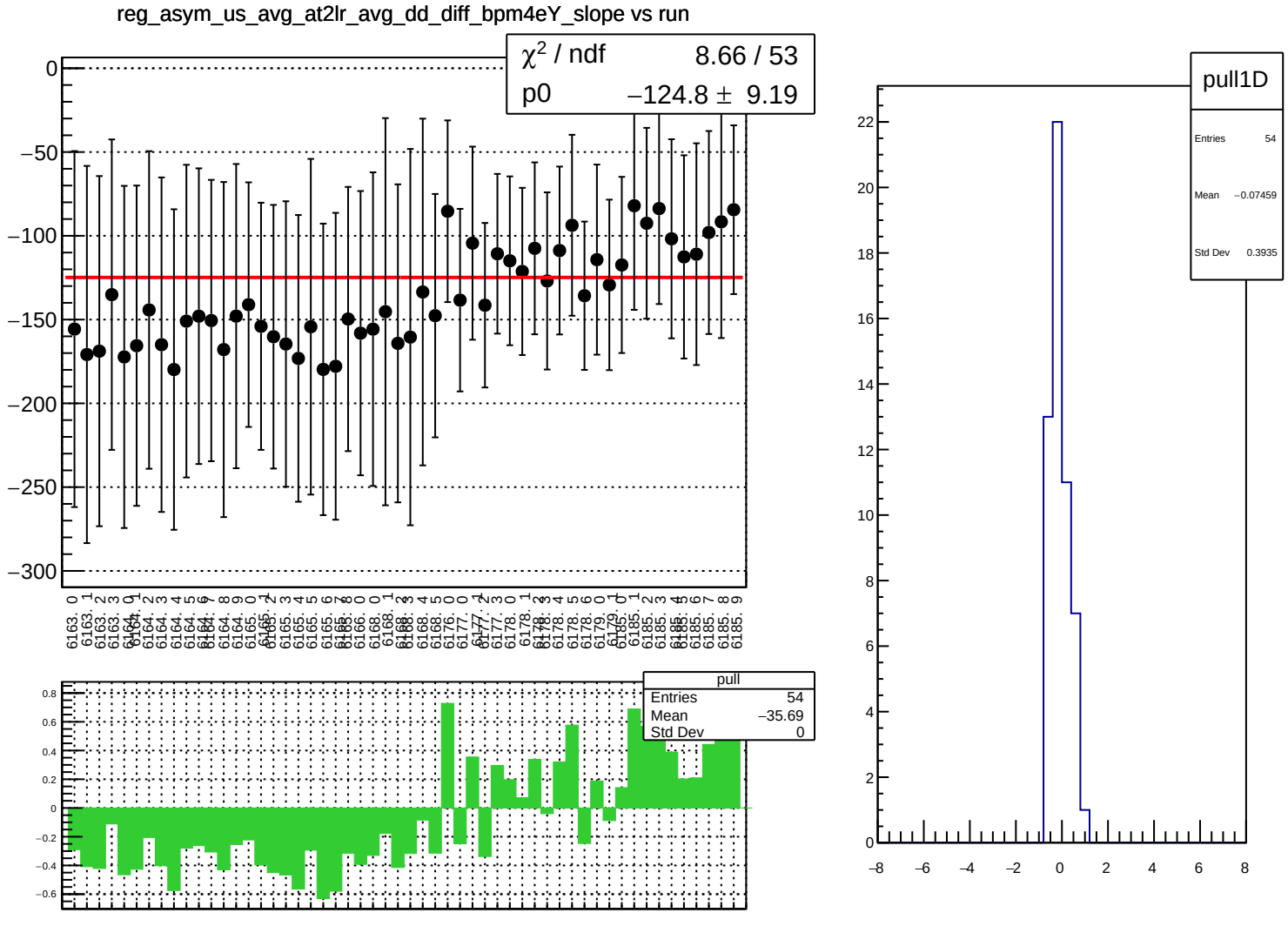

pull1D
Entries 54
Mean −0.01148
Std Dev 0.3906

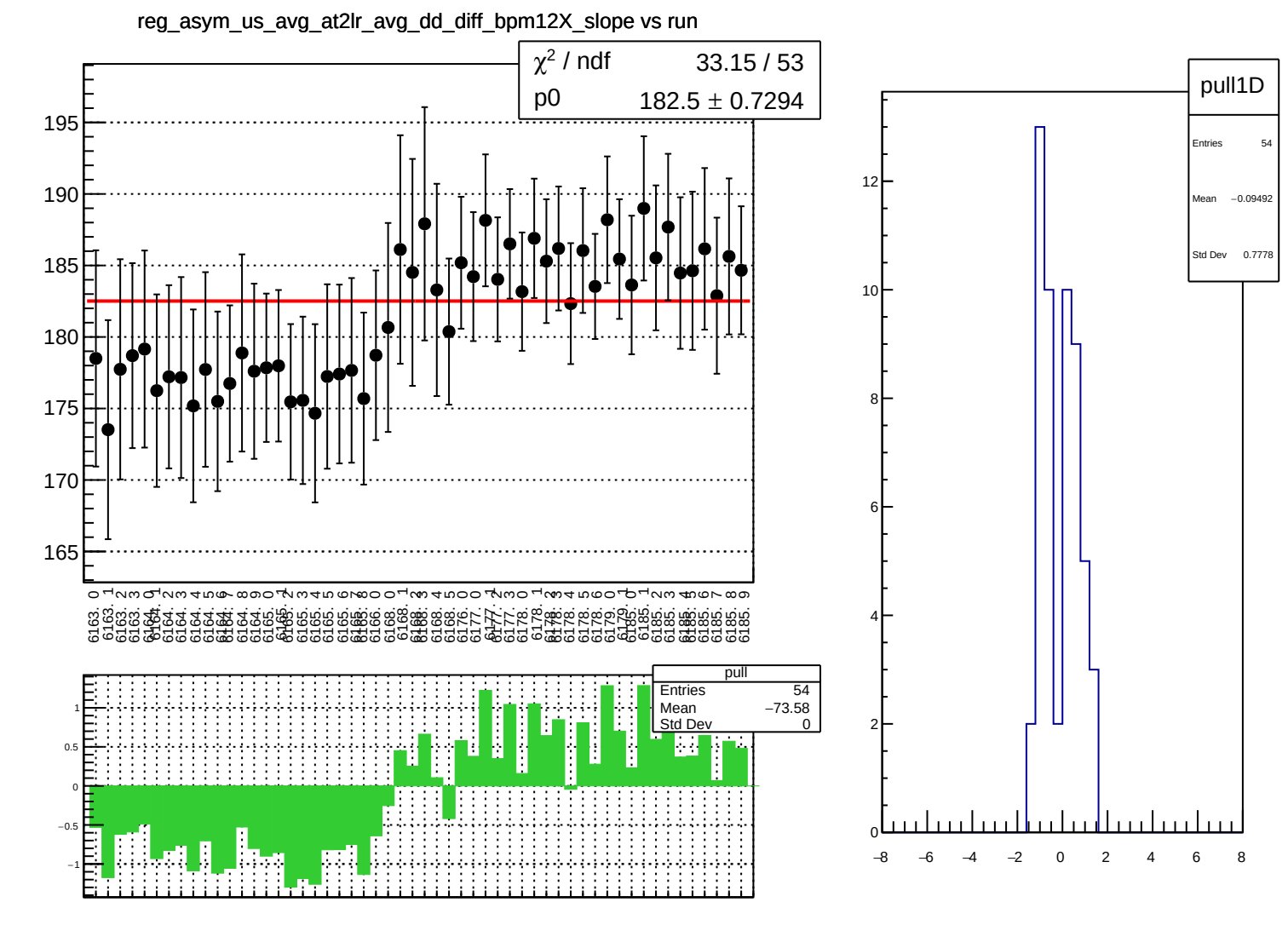

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 5.696 / 53
p0 13.34 ± 8.185
150
100
50
0
−50
−100
pull
Entries 54
Mean −34.01
Std Dev 0
0.4
0.2
0
−0.2
−0.4
−0.6

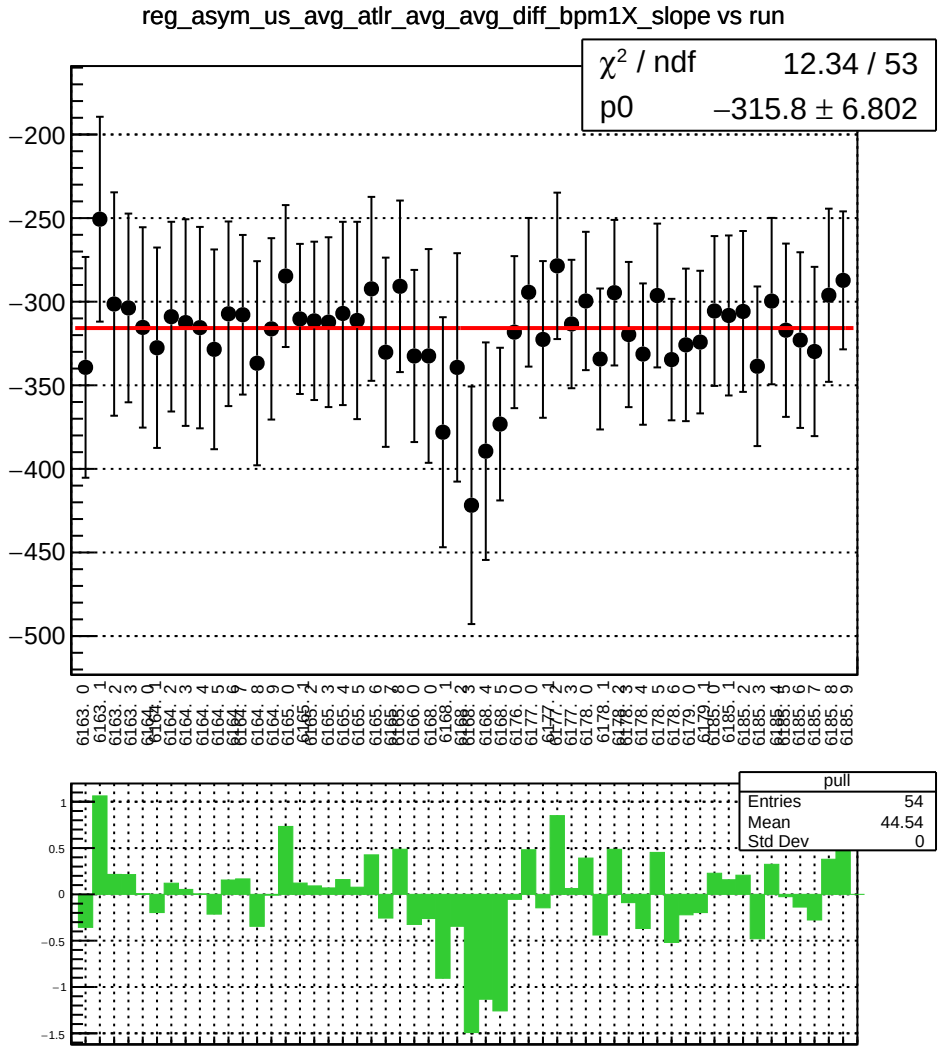

pull1D
Entries 54
Mean 0.05467
Std Dev 0.3201
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

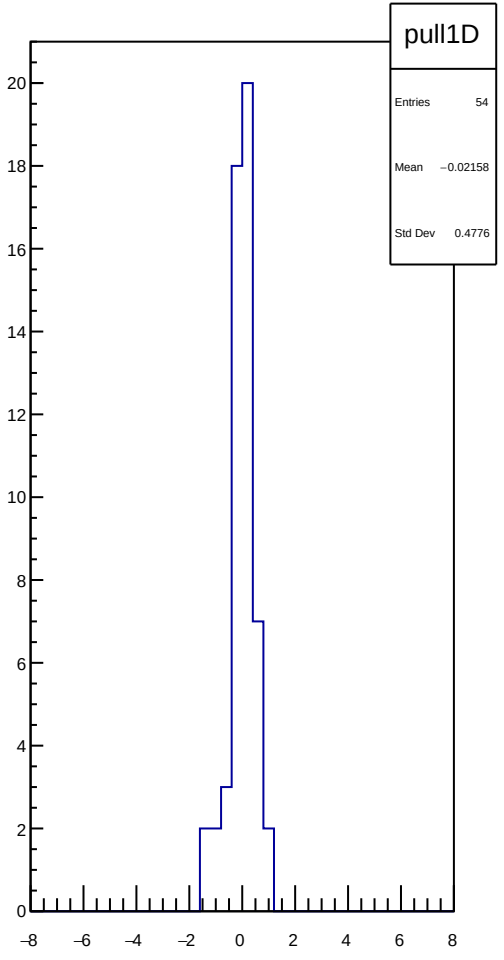

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 4.63 / 53
p0 −450 ± 8.996
pull
Entries 54
Mean 65.61
Std Dev 0

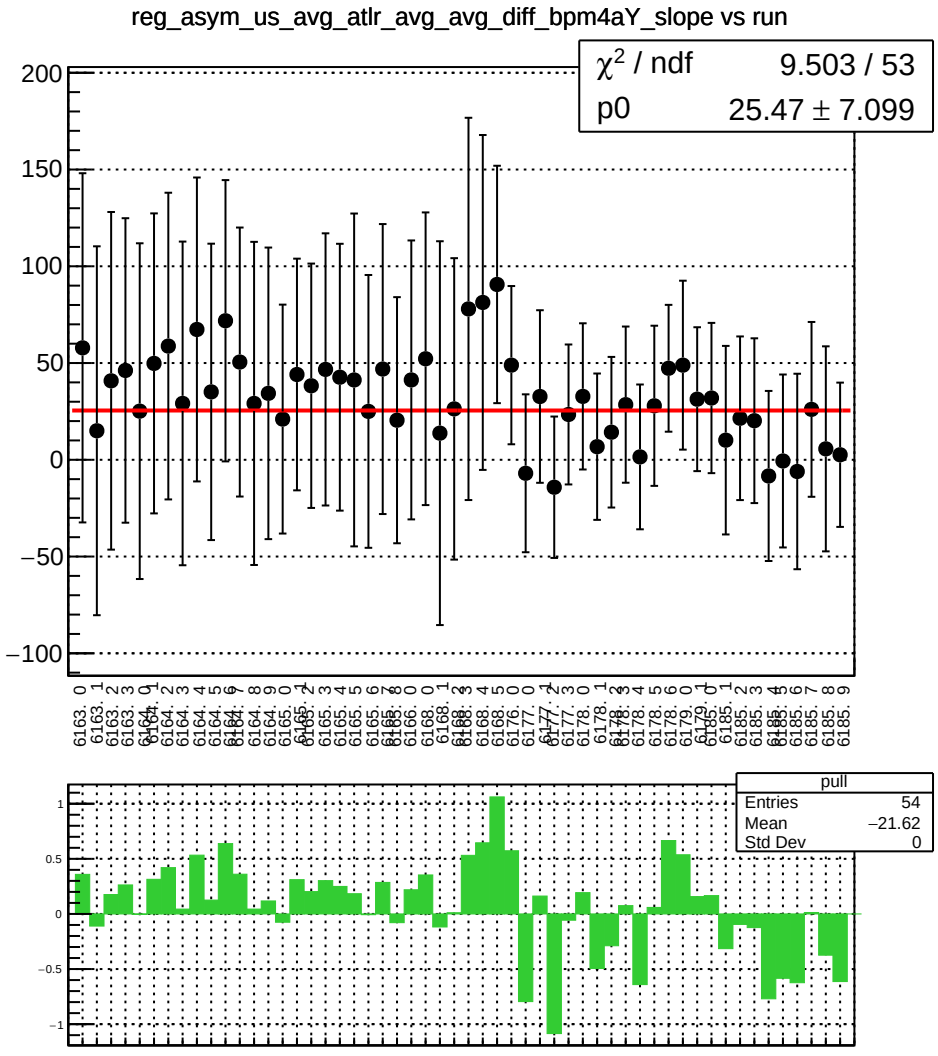

pull1D
Entries 54
Mean −0.01476
Std Dev 0.2924

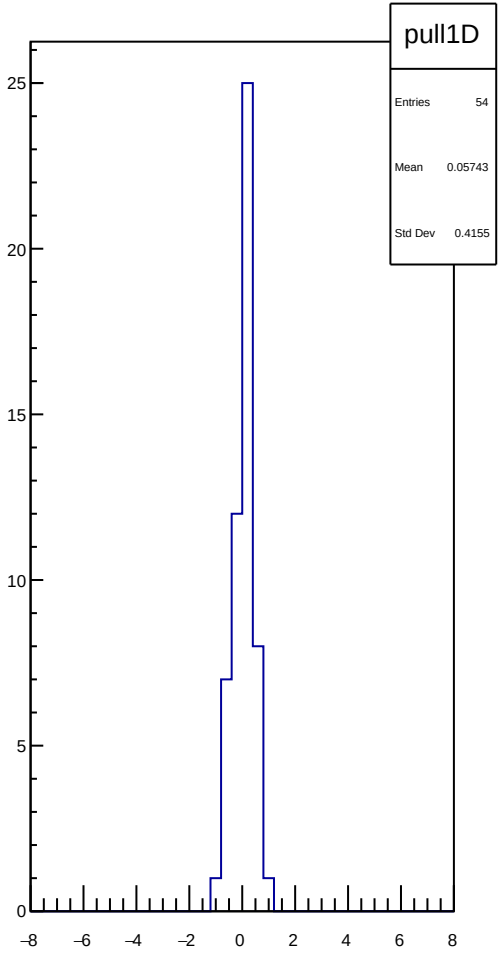

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 8.66 / 53
p0 −124.8 ± 9.19
pull
Entries 54
Mean −35.69
Std Dev 0
pull1D
Entries 54
Mean −0.07459
Std Dev 0.3935

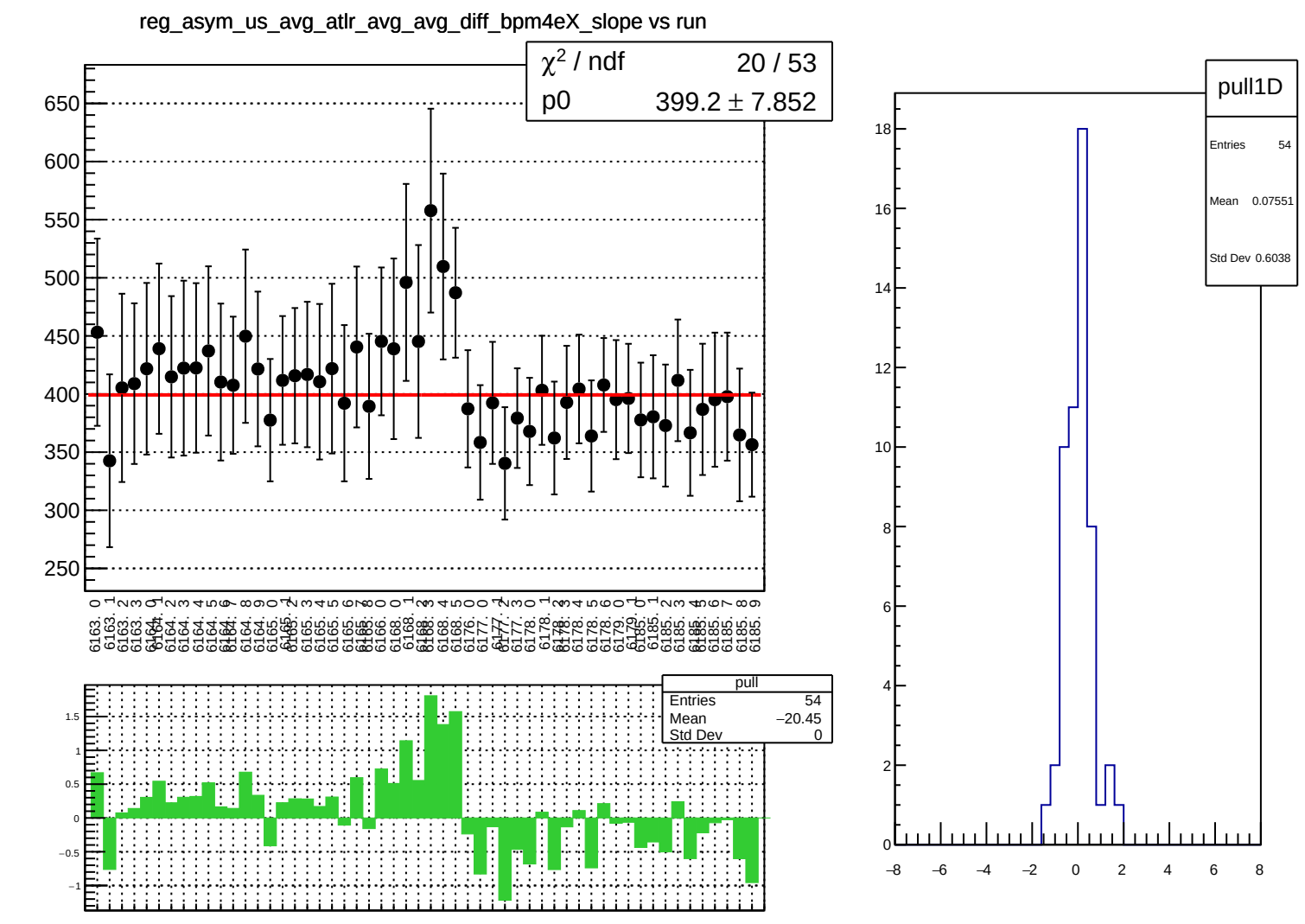

reg_asym_us_avg_at2lr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 33.15 / 53
p0 182.5 ± 0.7294
195
190
185
180
175
170
165
6163. 0
6163. 1
6163. 2
6163. 3
6164. 0
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 6
6164. 7
6164. 8
6164. 9
6165. 0
6165. 1
6165. 2
6165. 3
6165. 4
6165. 5
6165. 6
6165. 7
6165. 8
6166. 0
6168. 0
6168. 1
6168. 3
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 3
6178. 4
6178. 5
6178. 6
6179. 0
6179. 1
6185. 1
6185. 2
6185. 3
6185. 4
6185. 5
6185. 6
6185. 7
6185. 8
6185. 9
pull
Entries 54
Mean −73.58
Std Dev 0
1
0.5
0
−0.5
−1
pull1D
Entries 54
Mean −0.09492
Std Dev 0.7778
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

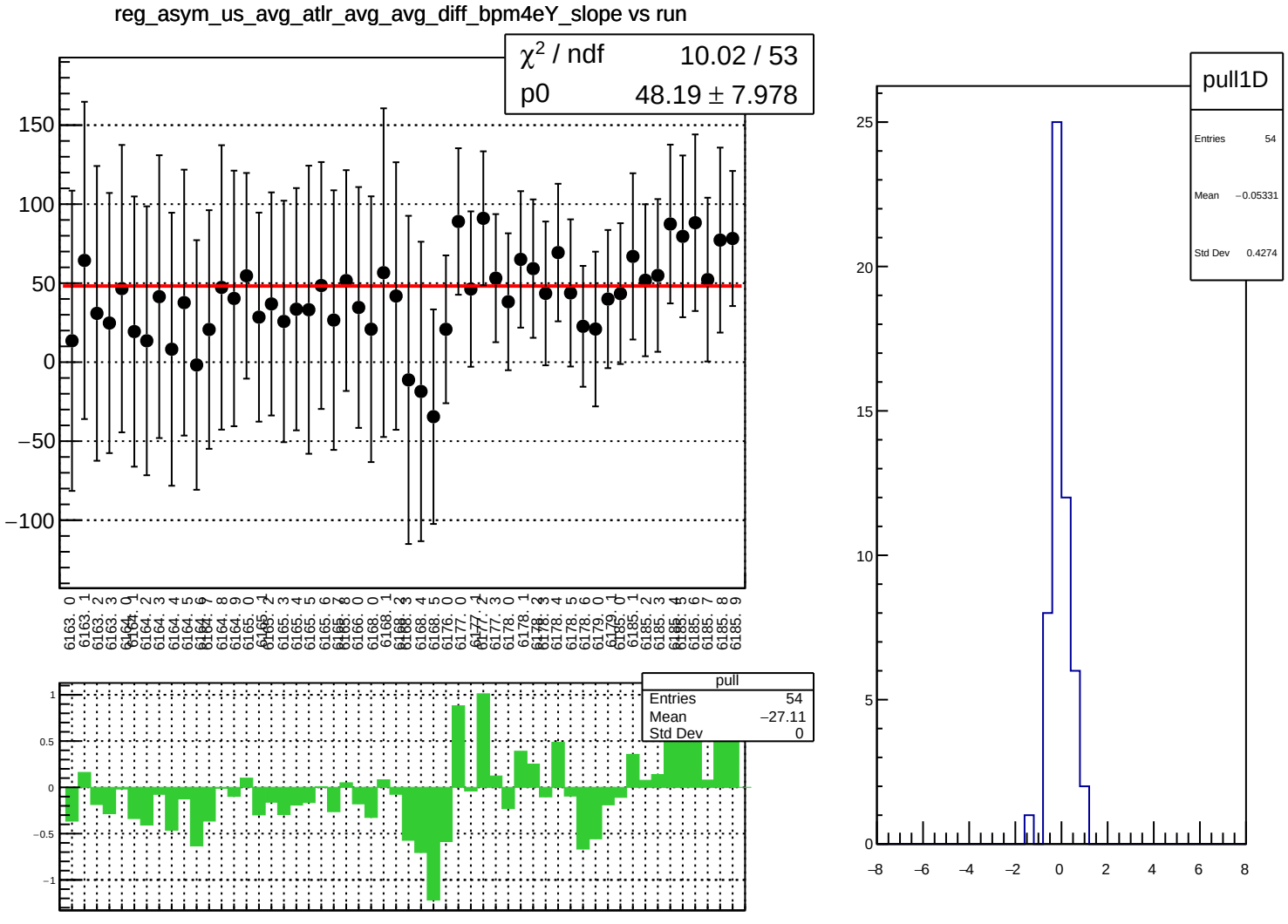

reg_asym_us_avg_atlr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 12.34 / 53
p0 −315.8 ± 6.802
pull
Entries 54
Mean 44.54
Std Dev 0

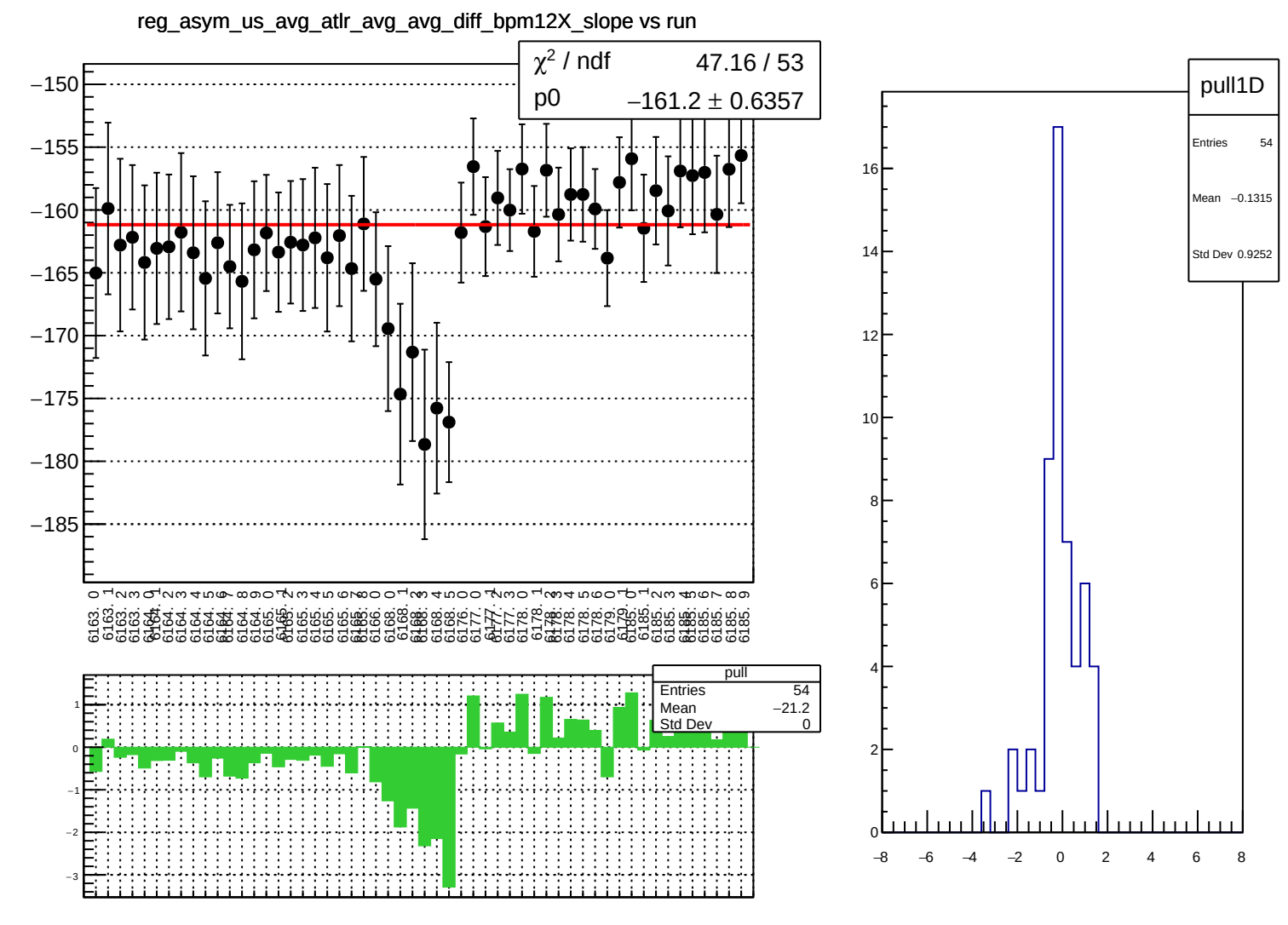

pull1D
Entries 54
Mean −0.02158
Std Dev 0.4776

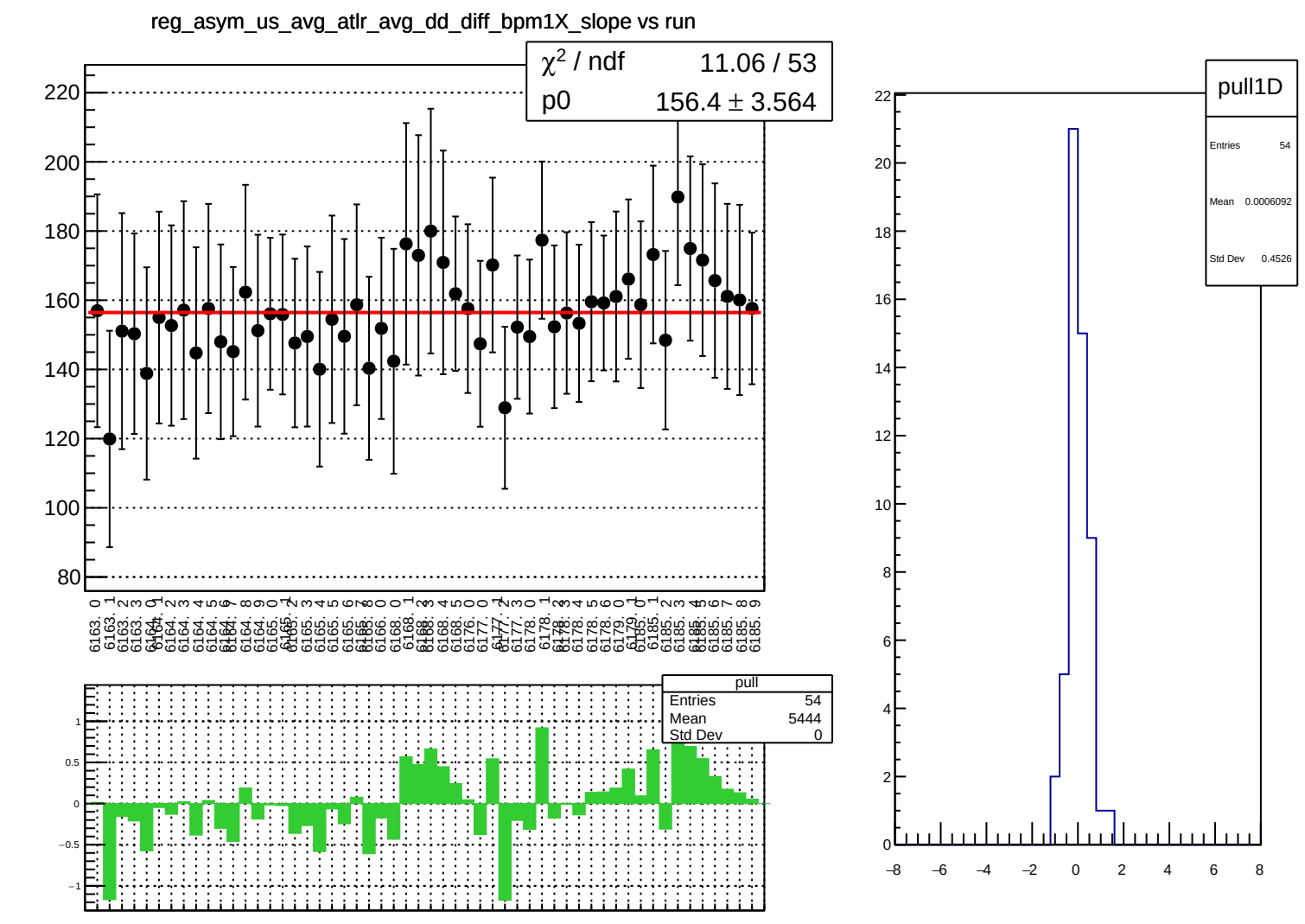

reg_asym_us_avg_atlr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 9.503 / 53
p0 25.47 ± 7.099
pull
Entries 54
Mean −21.62
Std Dev 0

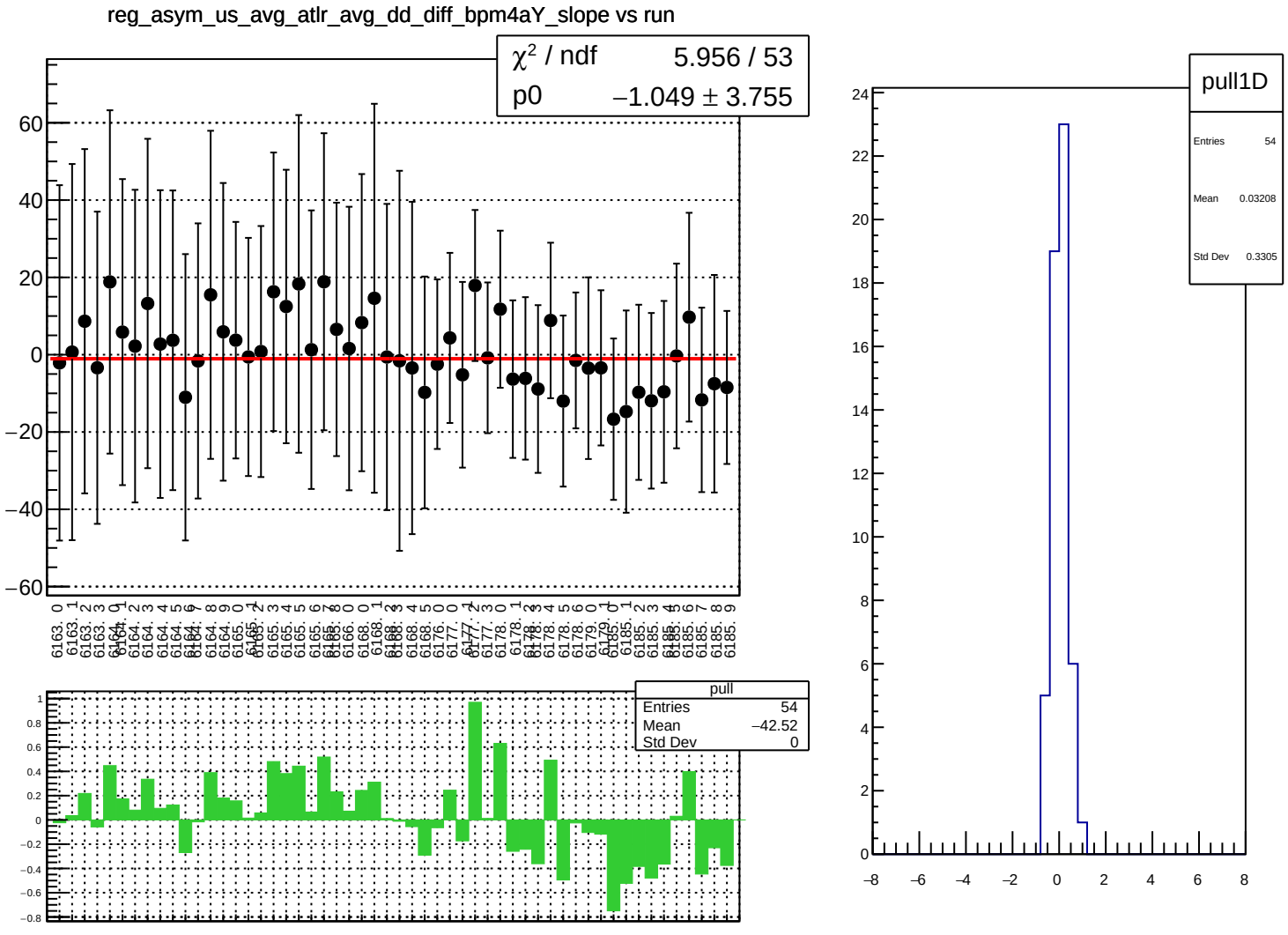

pull1D
Entries 54
Mean 0.05743
Std Dev 0.4155

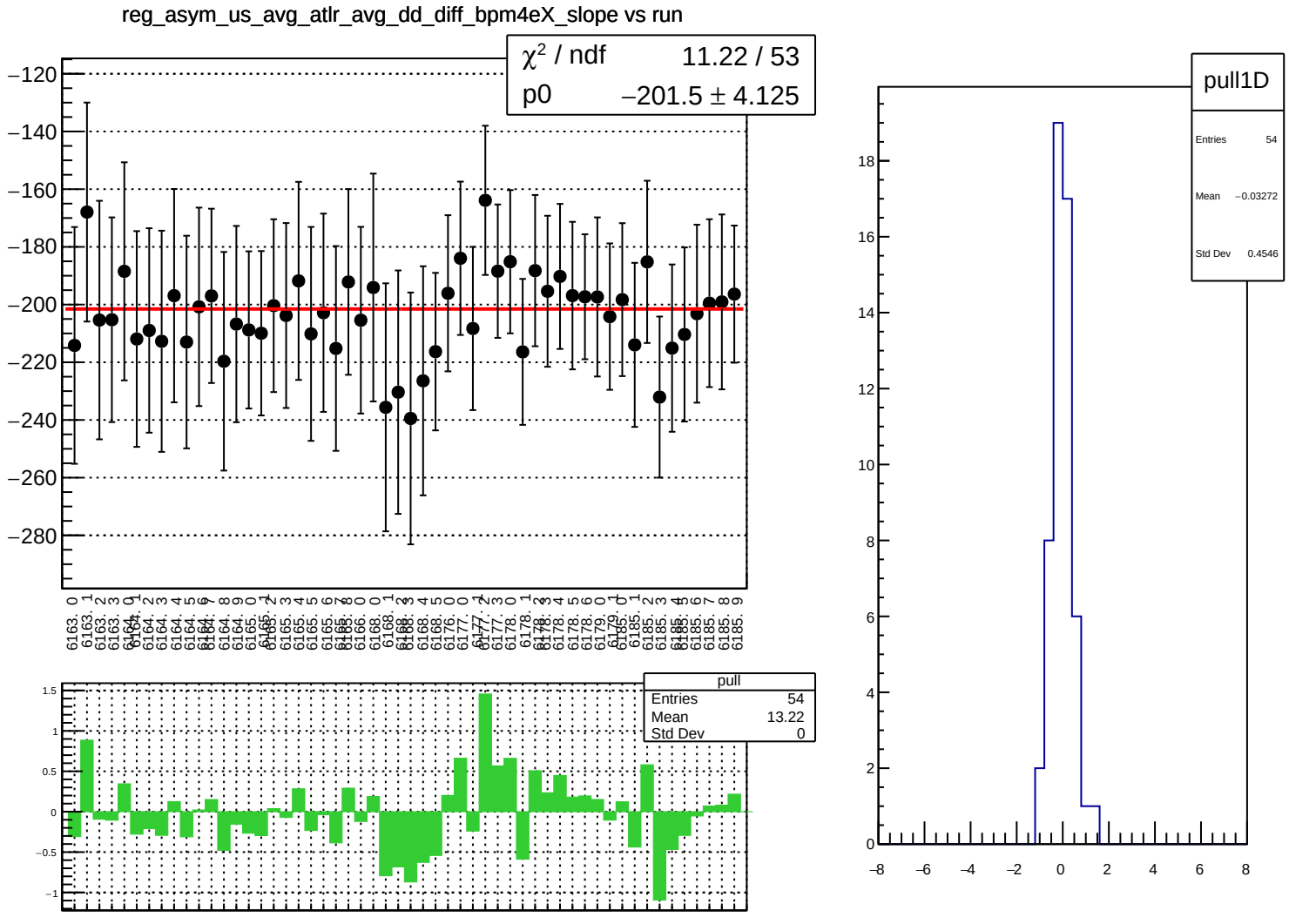

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 20 / 53
p0 399.2 ± 7.852
650
600
550
500
450
400
350
300
250
pull
Entries 54
Mean −20.45
Std Dev 0
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 54
Mean 0.07551
Std Dev 0.6038
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

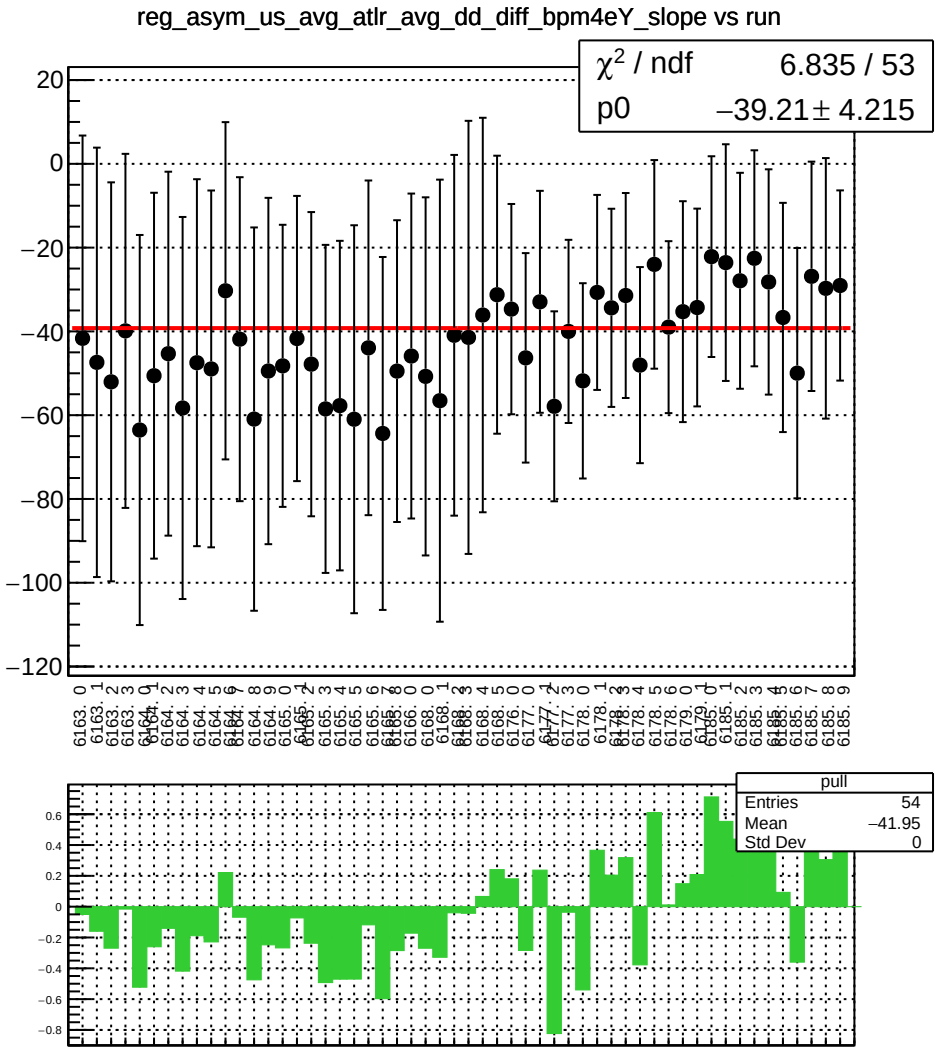

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 10.02 / 53
p0 48.19 ± 7.978
150
100
50
0
−50
−100
6163. 0
6163. 1
6163. 2
6163. 3
6164. 0
6164. 1
6164. 2
6164. 3
6164. 4
6164. 5
6164. 6
6164. 7
6164. 8
6164. 9
6165. 0
6165. 1
6165. 2
6165. 3
6165. 4
6165. 5
6165. 6
6165. 7
6166. 0
6168. 0
6168. 1
6168. 2
6168. 3
6168. 4
6168. 5
6176. 0
6177. 0
6177. 2
6177. 3
6178. 0
6178. 1
6178. 2
6178. 3
6178. 4
6178. 5
6178. 6
6179. 0
6179. 1
6185. 1
6185. 2
6185. 3
6185. 4
6185. 5
6185. 6
6185. 7
6185. 8
6185. 9
pull
Entries 54
Mean −27.11
Std Dev 0
1
0.5
0
−0.5
−1
pull1D
Entries 54
Mean −0.05331
Std Dev 0.4274
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

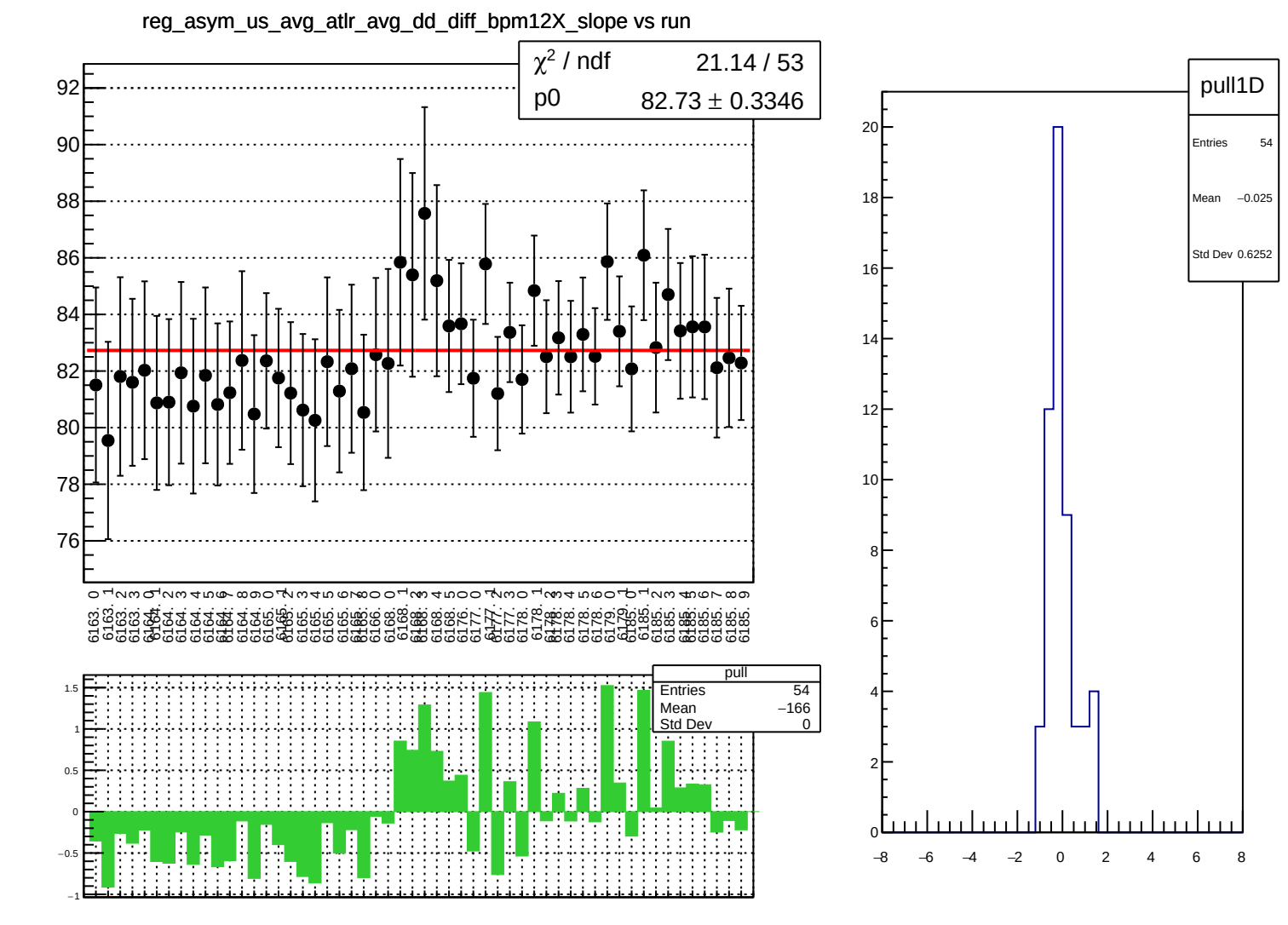

reg_asym_us_avg_atlr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 47.16 / 53
p0 −161.2 ± 0.6357
pull
Entries 54
Mean −21.2
Std Dev 0
pull1D
Entries 54
Mean −0.1315
Std Dev 0.9252

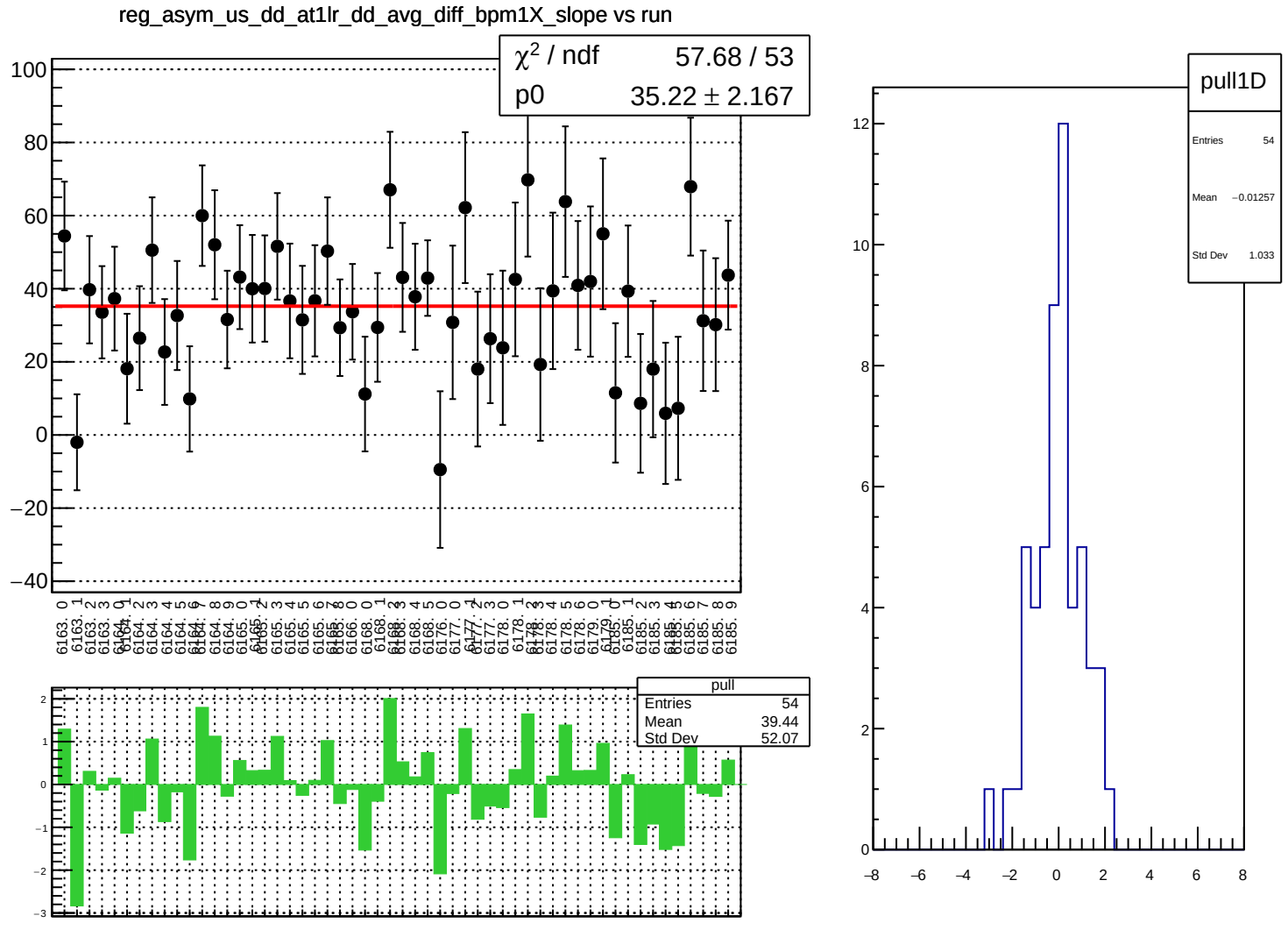

reg_asym_us_avg_atlr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 11.06 / 53
p0 156.4 ± 3.564
pull
Entries 54
Mean 5444
Std Dev 0
pull1D
Entries 54
Mean 0.0006092
Std Dev 0.4526

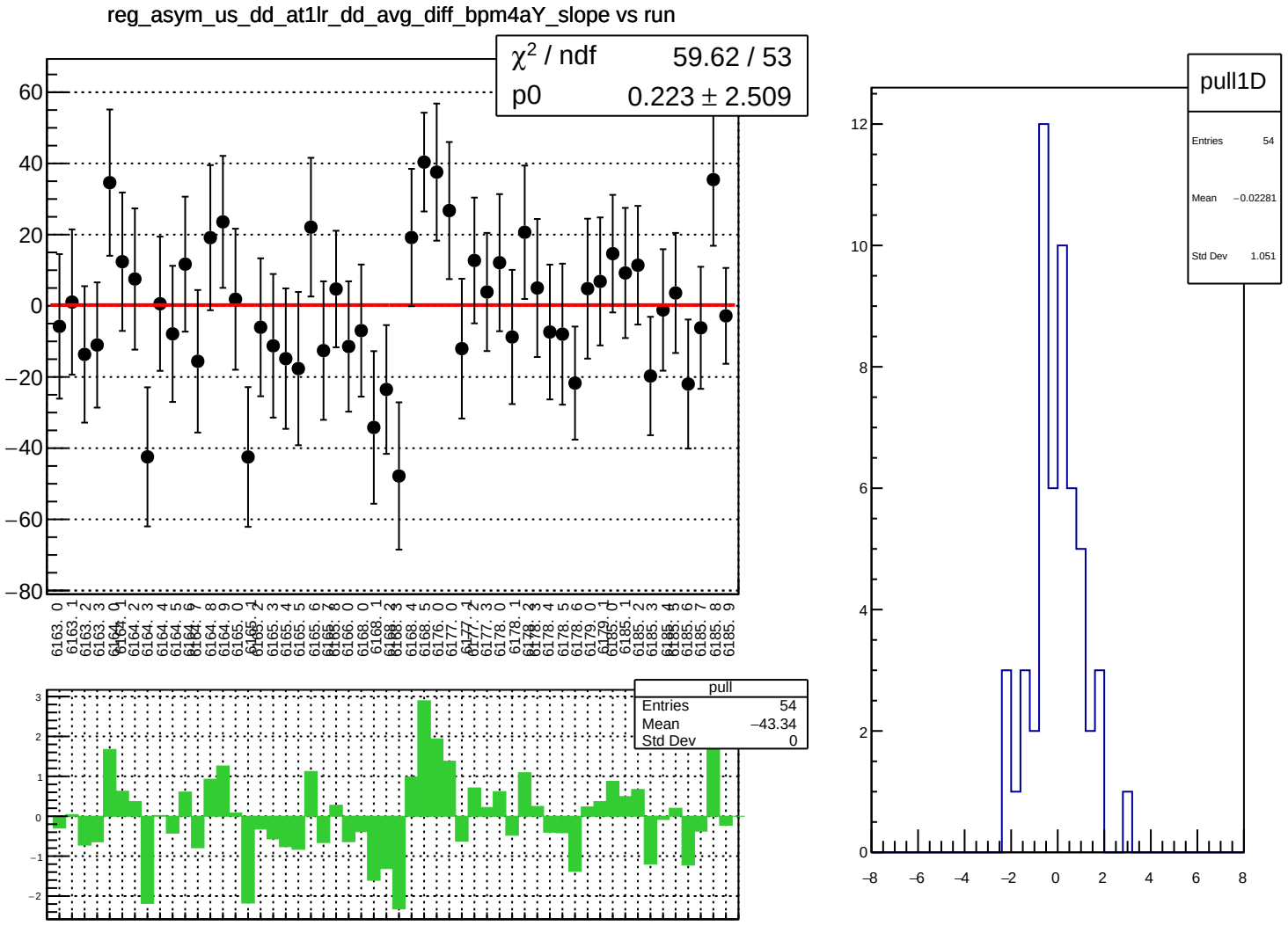

reg_asym_us_avg_atlr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 5.956 / 53
p0 −1.049 ± 3.755
pull
Entries 54
Mean −42.52
Std Dev 0
pull1D
Entries 54
Mean 0.03208
Std Dev 0.3305

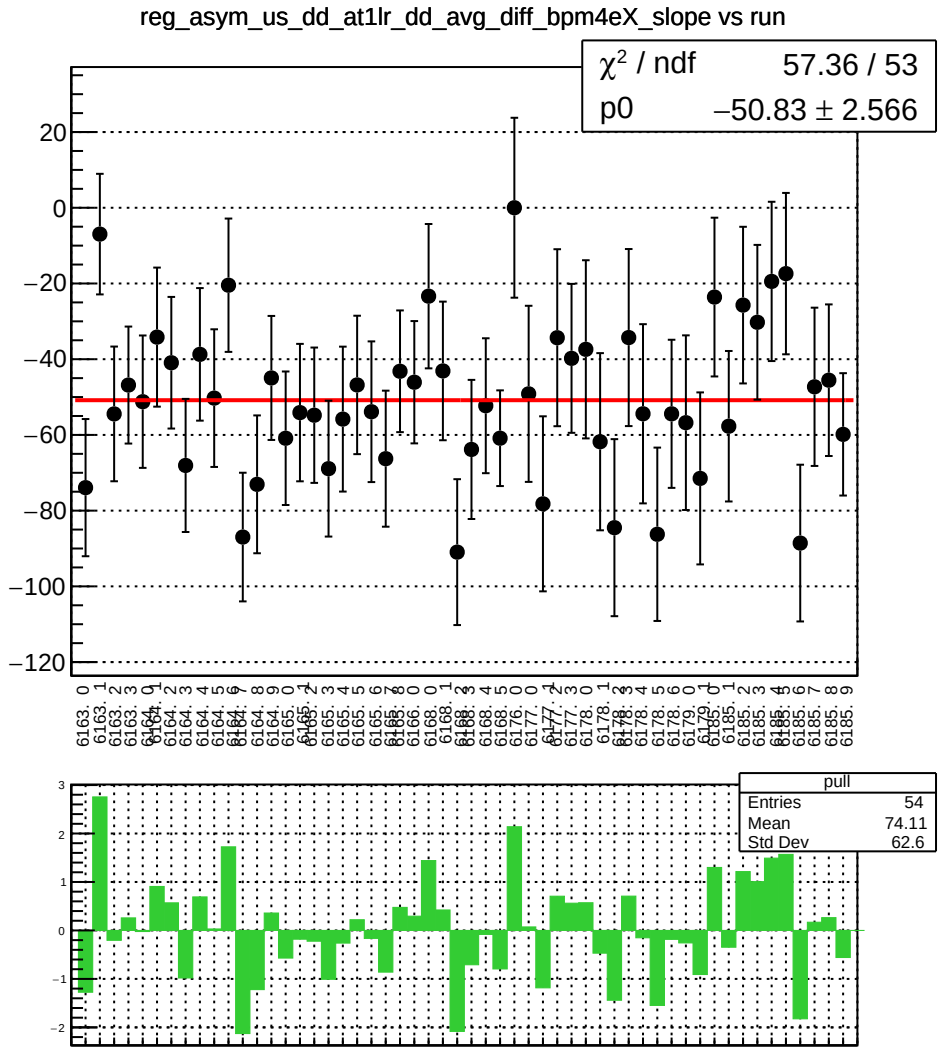

reg_asym_us_avg_atlr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 11.22 / 53
p0 −201.5 ± 4.125
pull
Entries 54
Mean 13.22
Std Dev 0
pull1D
Entries 54
Mean −0.03272
Std Dev 0.4546

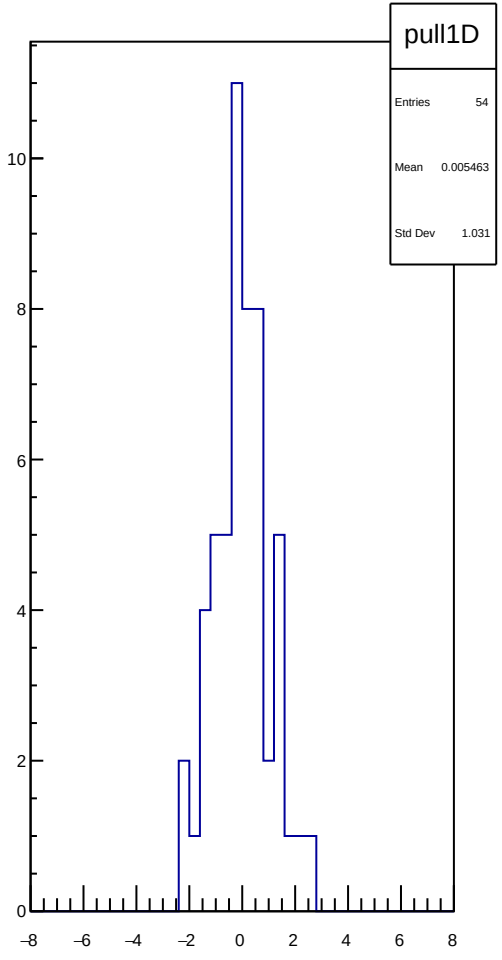

reg_asym_us_avg_atlr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 6.835 / 53
p0 −39.21± 4.215
pull
Entries 54
Mean −41.95
Std Dev 0
pull1D
Entries 54
Mean −0.04549
Std Dev 0.3529

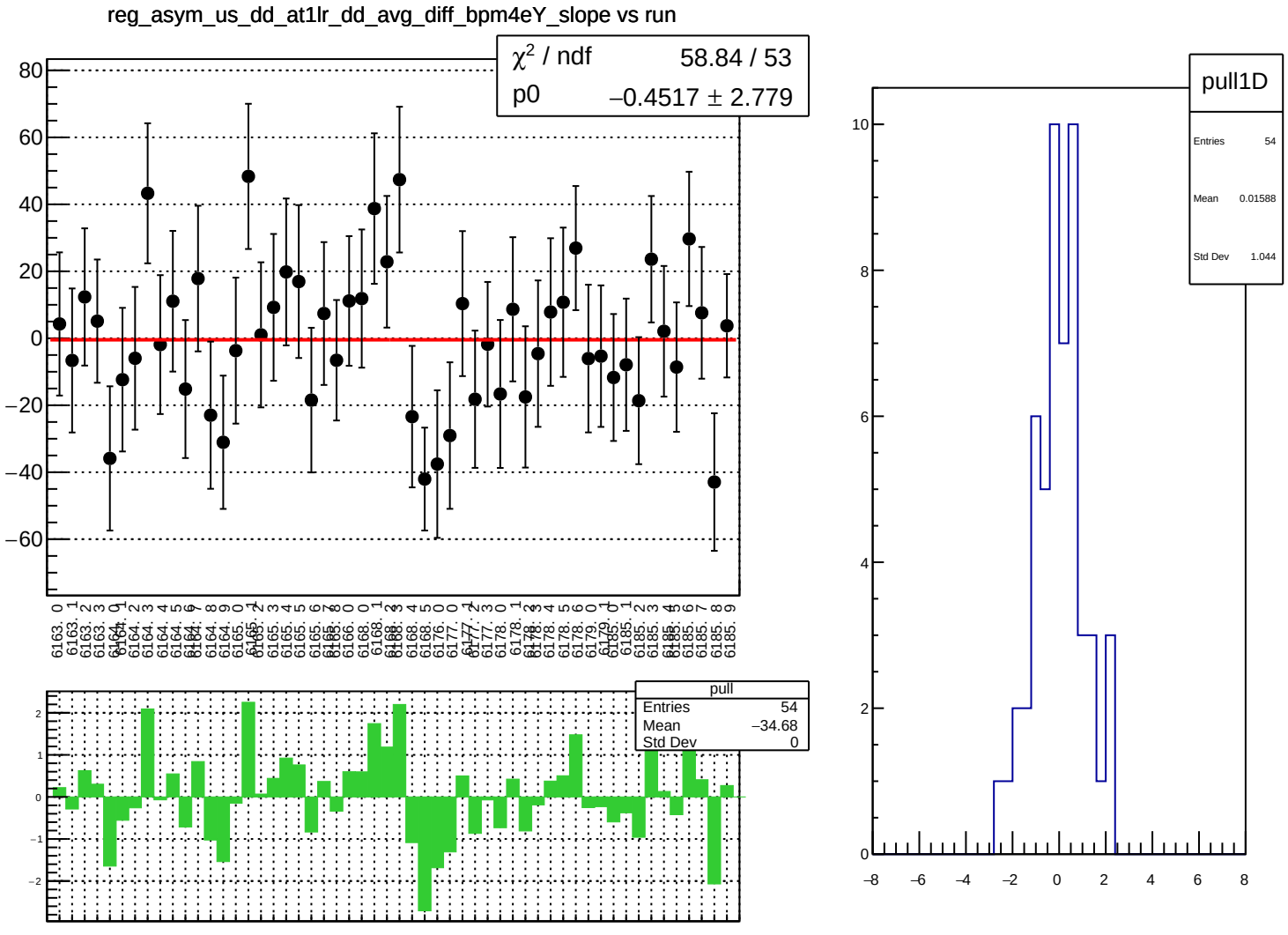

reg_asym_us_avg_atlr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 21.14 / 53
p0 82.73 ± 0.3346
pull
Entries 54
Mean −166
Std Dev 0
pull1D
Entries 54
Mean −0.025
Std Dev 0.6252

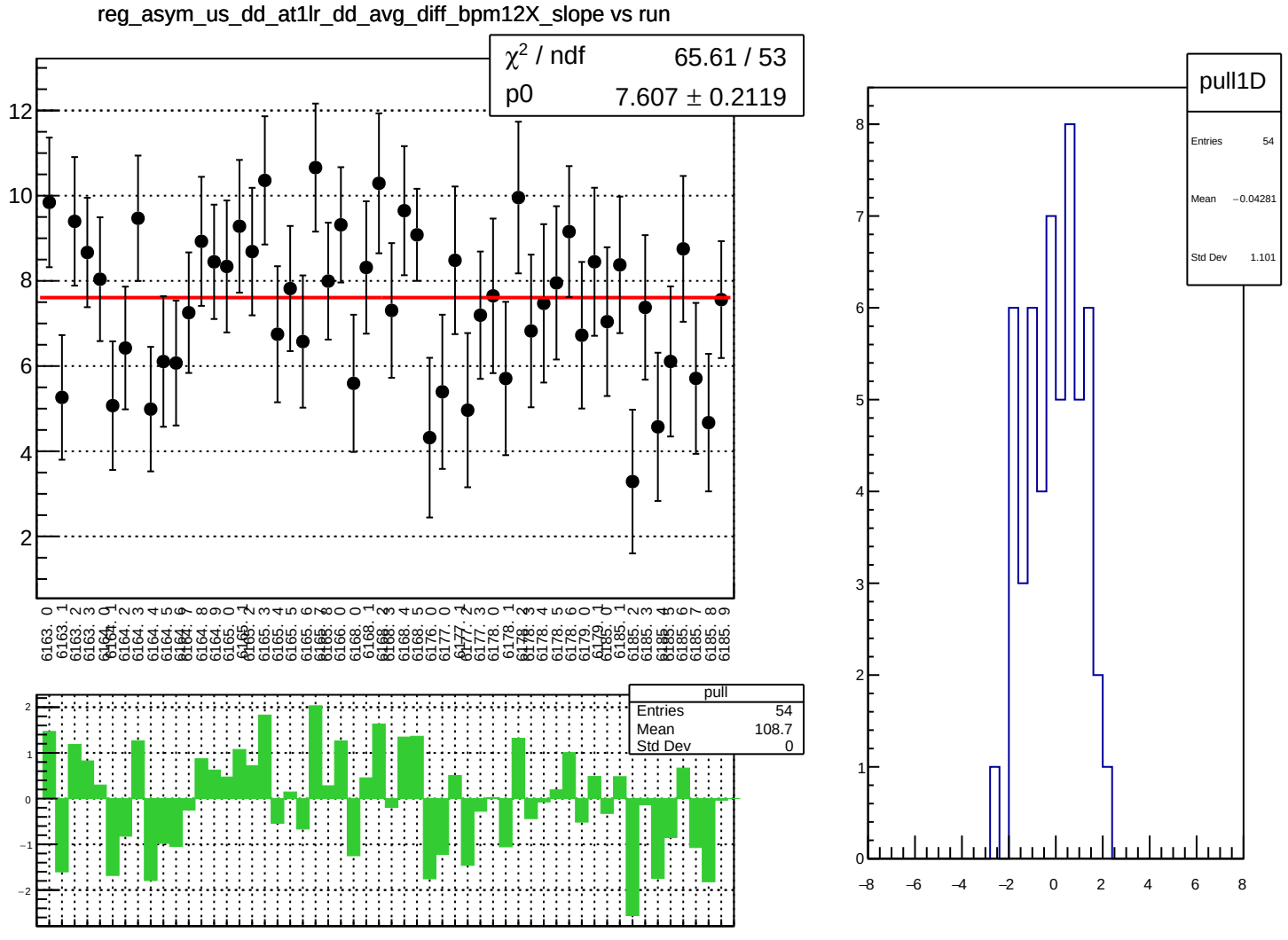

reg_asym_us_dd_at1lr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 57.68 / 53
p0 35.22 ± 2.167
pull
Entries 54
Mean 39.44
Std Dev 52.07
pull1D
Entries 54
Mean −0.01257
Std Dev 1.033

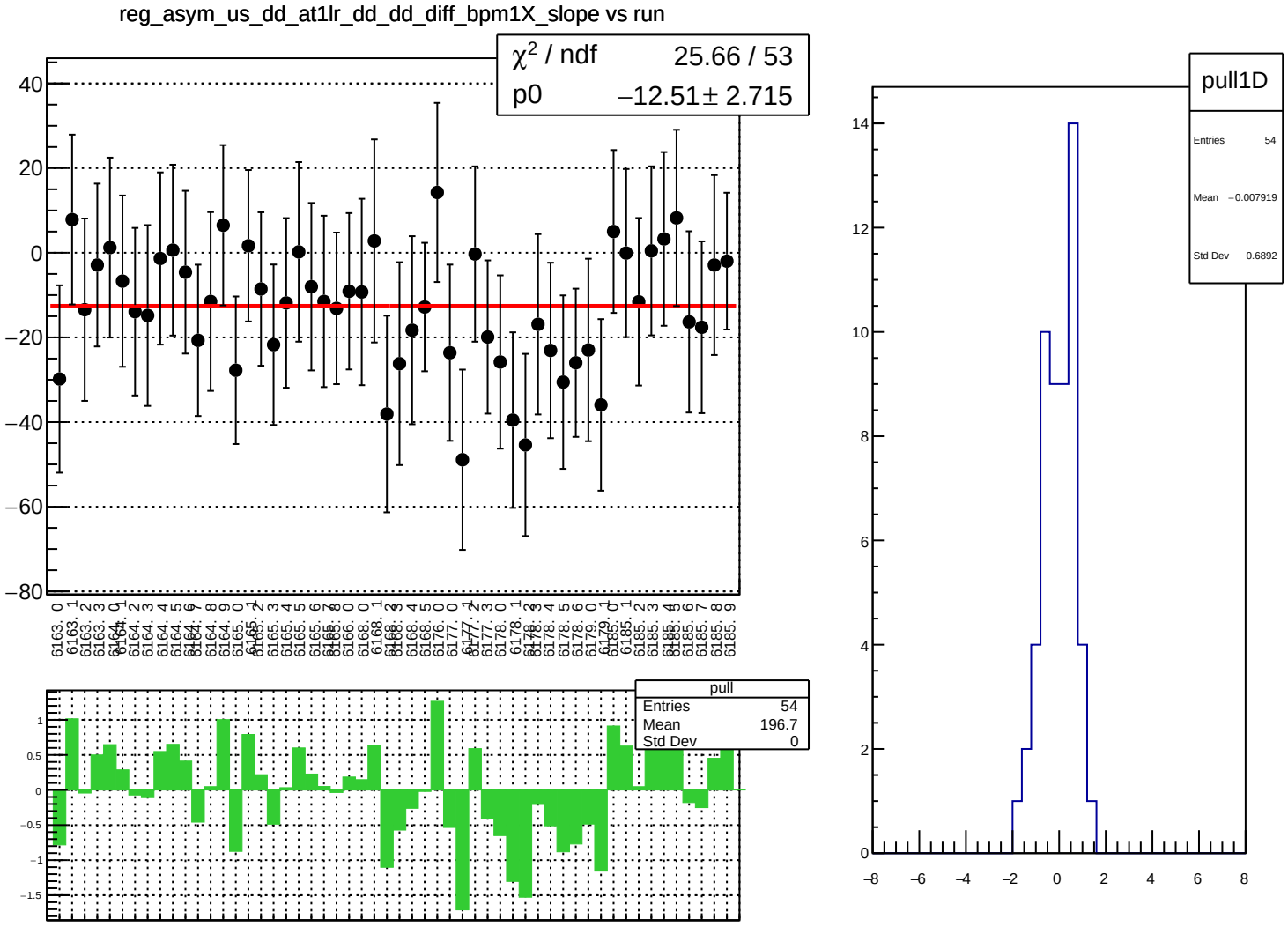

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 59.62 / 53
p0 0.223 ± 2.509
pull
Entries 54
Mean −43.34
Std Dev 0
pull1D
Entries 54
Mean −0.02281
Std Dev 1.051

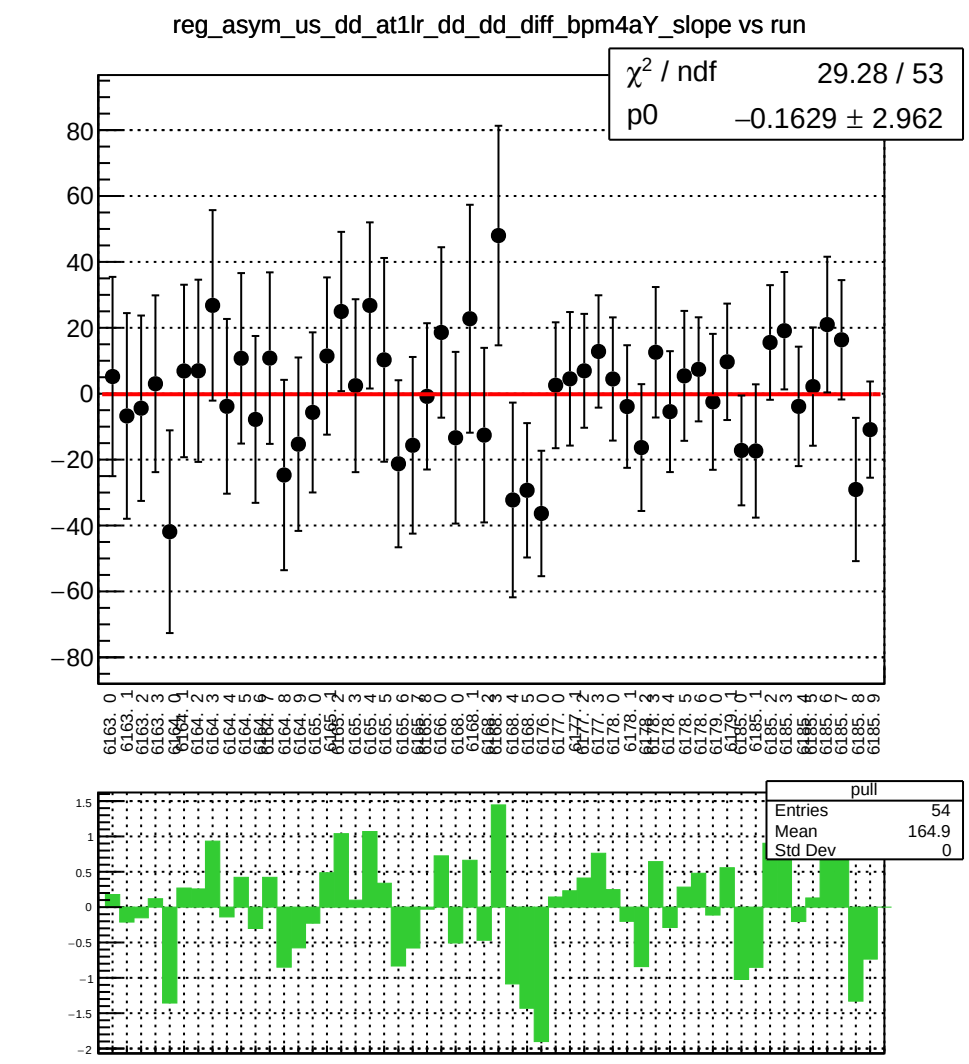

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 57.36 / 53
p0 −50.83 ± 2.566
pull
Entries 54
Mean 74.11
Std Dev 62.6

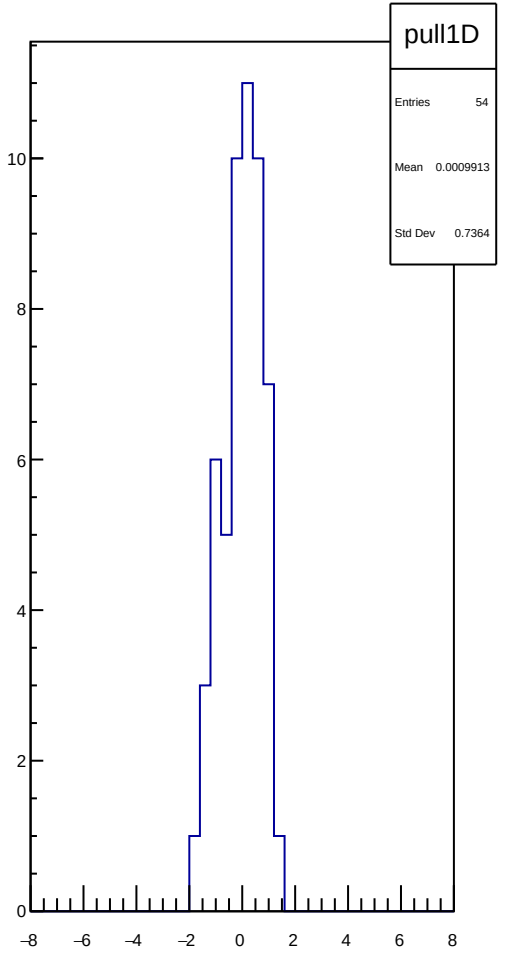

pull1D
Entries 54
Mean 0.005463
Std Dev 1.031

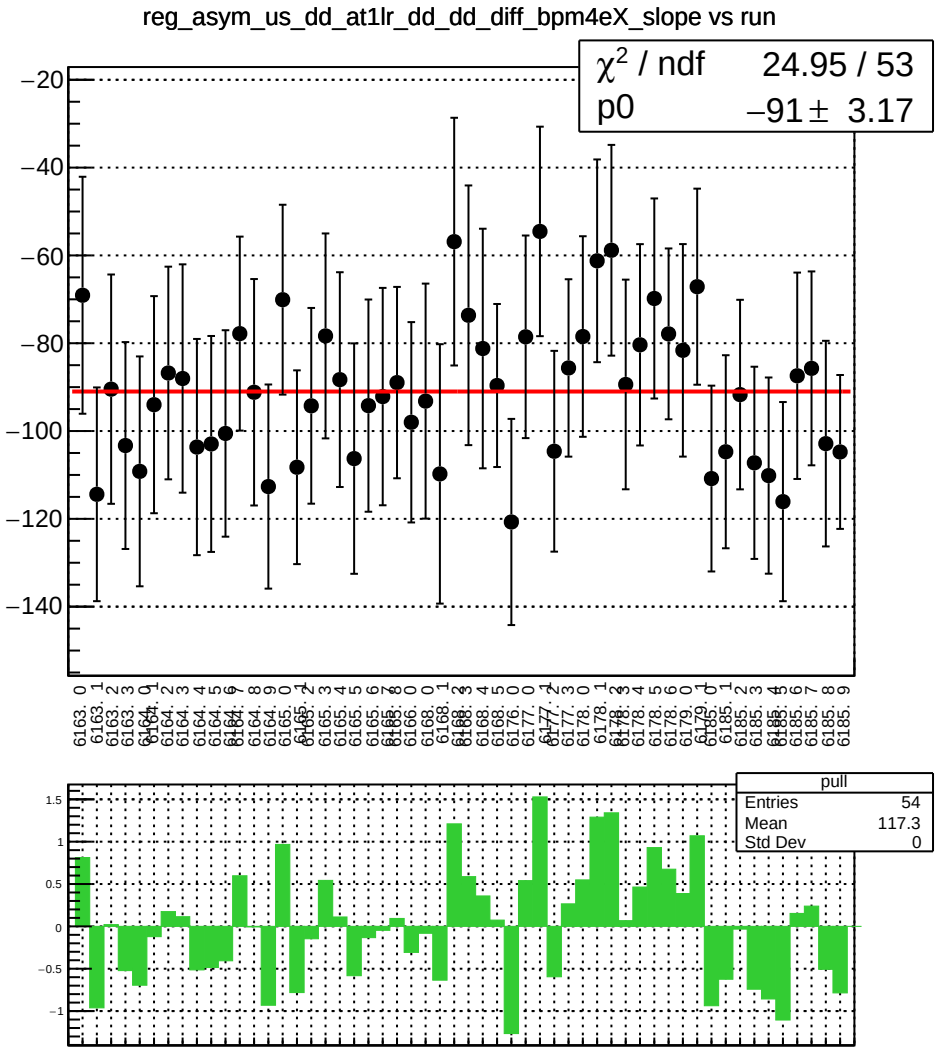

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 58.84 / 53
p0 −0.4517 ± 2.779
pull
Entries 54
Mean −34.68
Std Dev 0
pull1D
Entries 54
Mean 0.01588
Std Dev 1.044

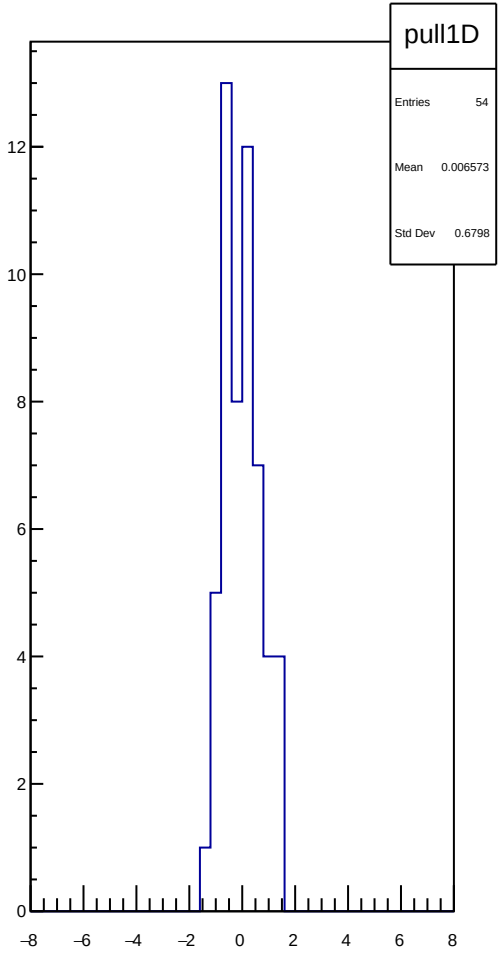

reg_asym_us_dd_at1lr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 65.61 / 53
p0 7.607 ± 0.2119
pull
Entries 54
Mean 108.7
Std Dev 0
pull1D
Entries 54
Mean −0.04281
Std Dev 1.101

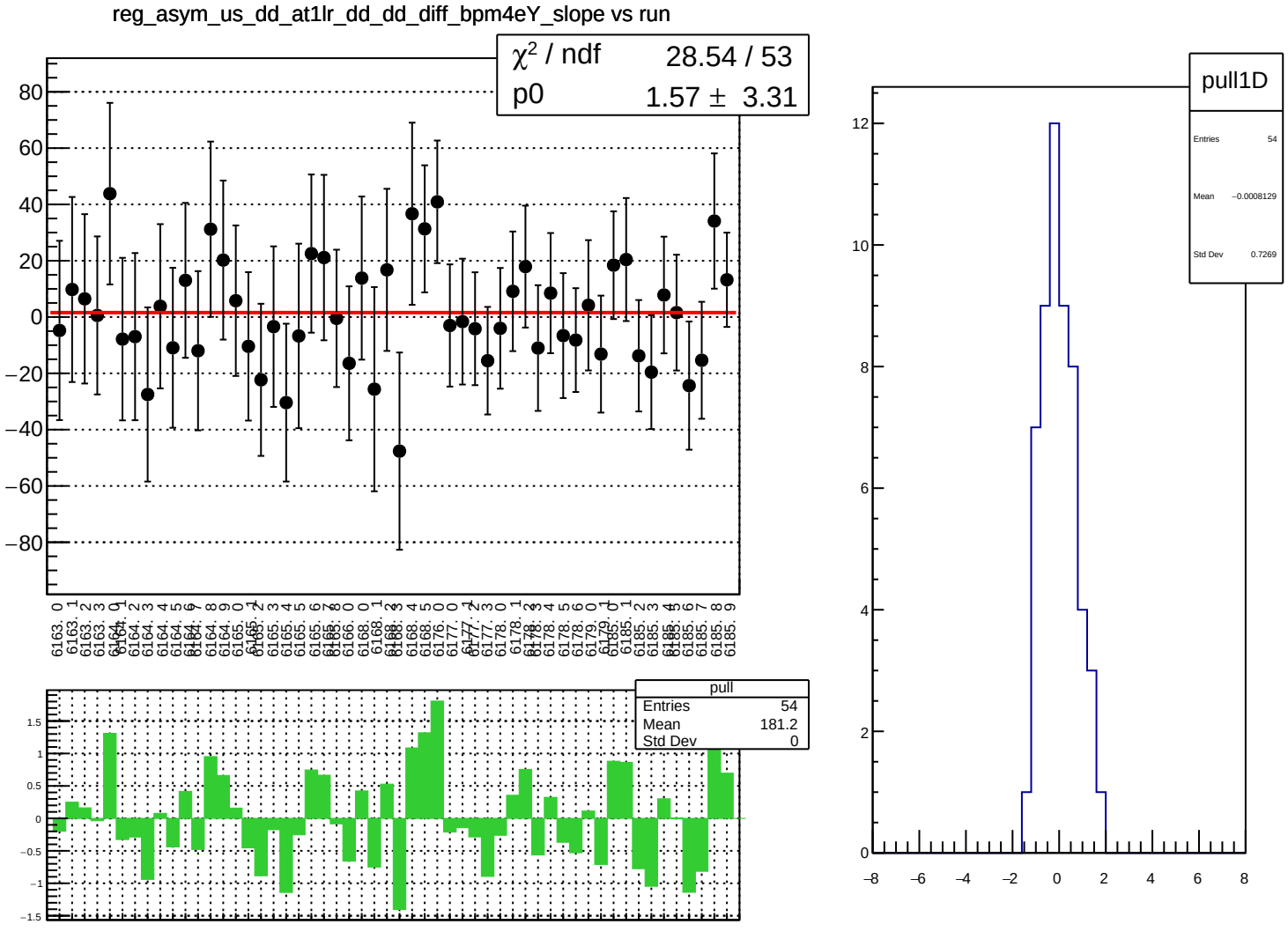

reg_asym_us_dd_at1lr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 25.66 / 53
p0 −12.51± 2.715
pull
Entries 54
Mean 196.7
Std Dev 0
pull1D
Entries 54
Mean −0.007919
Std Dev 0.6892

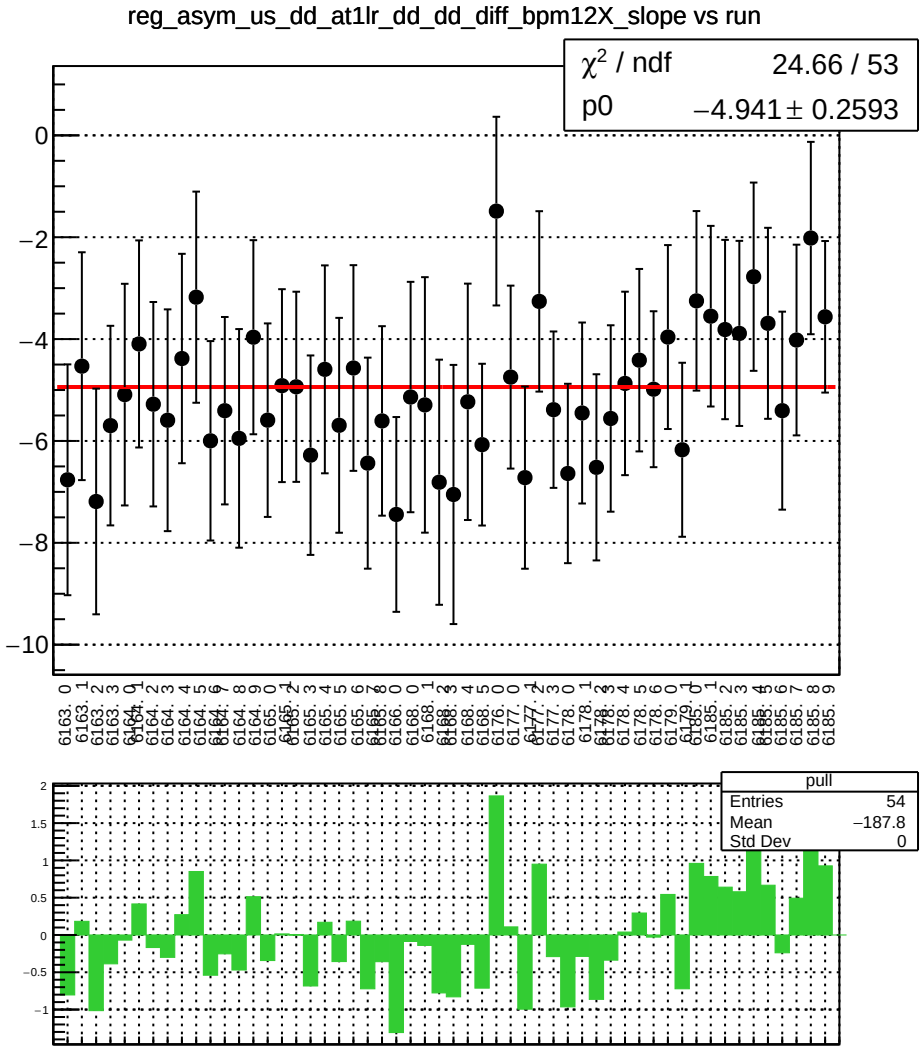

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 29.28 / 53
p0 −0.1629 ± 2.962
pull
Entries 54
Mean 164.9
Std Dev 0

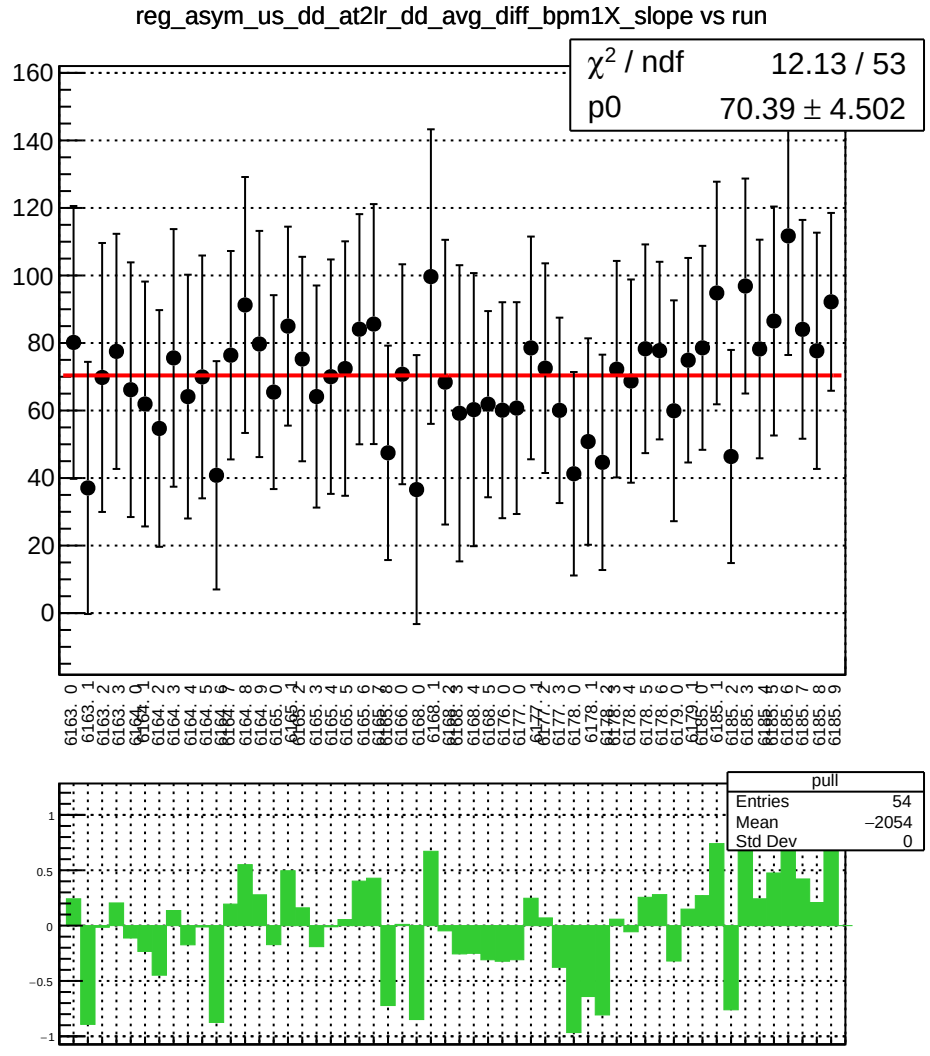

pull1D
Entries 54
Mean 0.0009913
Std Dev 0.7364

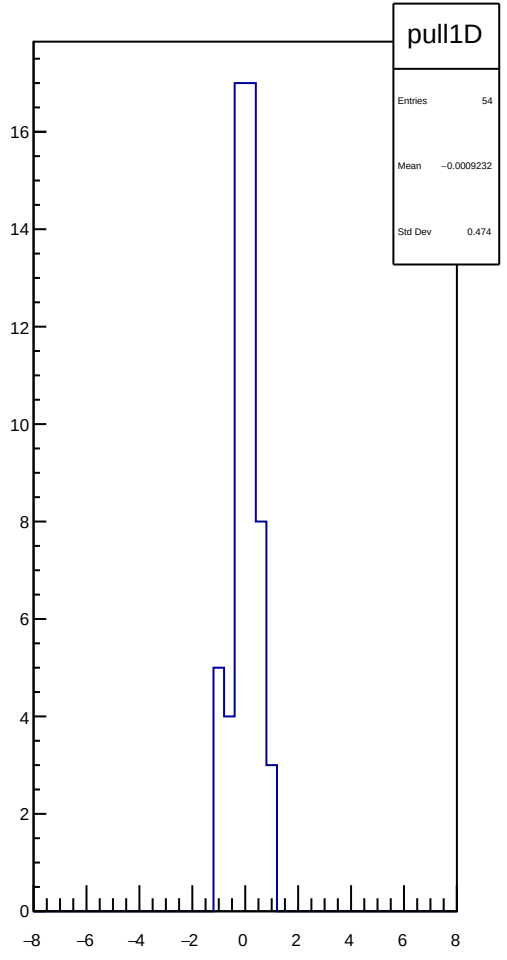

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 24.95 / 53
p0 −91 ± 3.17
pull
Entries 54
Mean 117.3
Std Dev 0

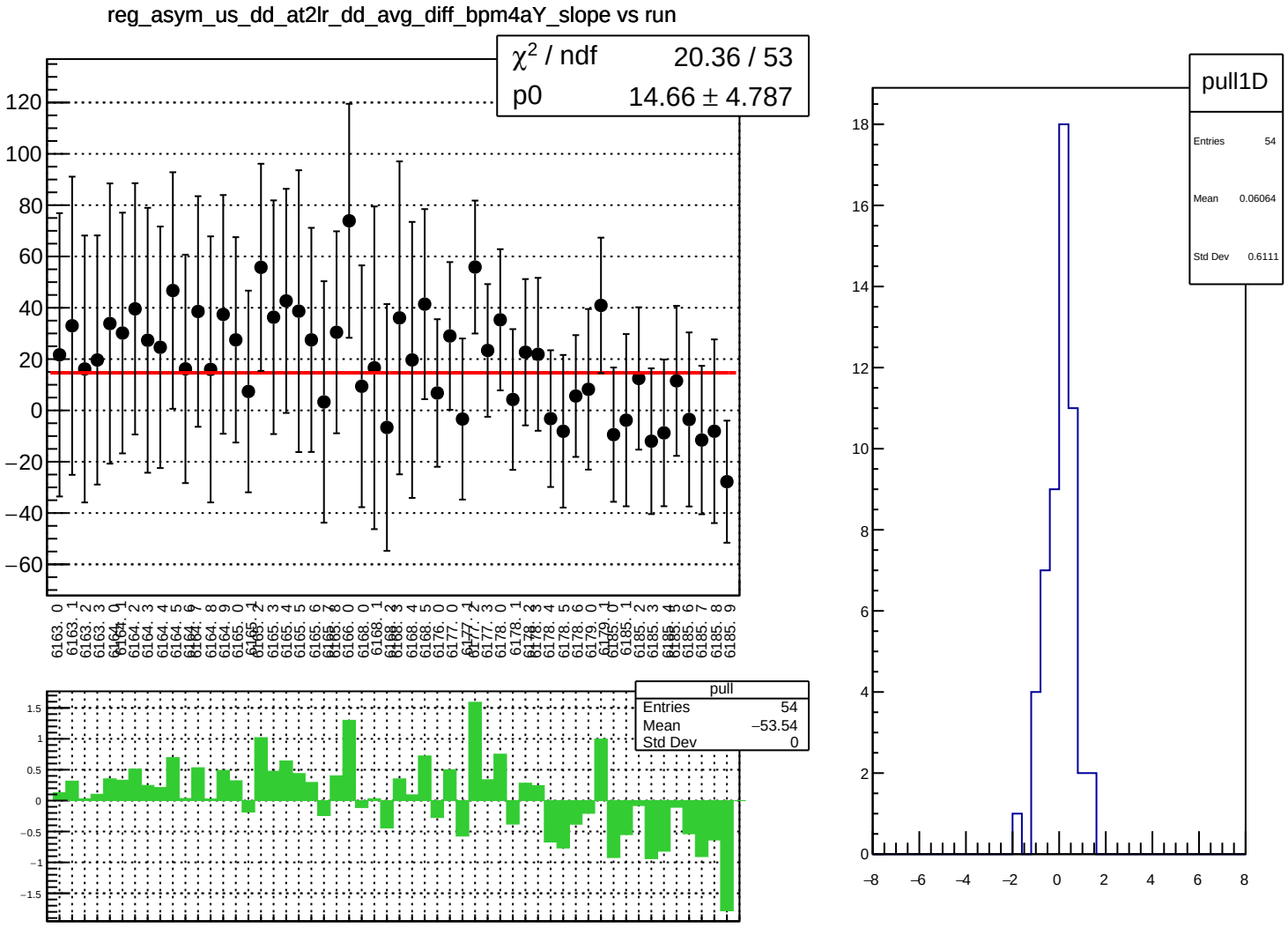

pull1D
Entries 54
Mean 0.006573
Std Dev 0.6798

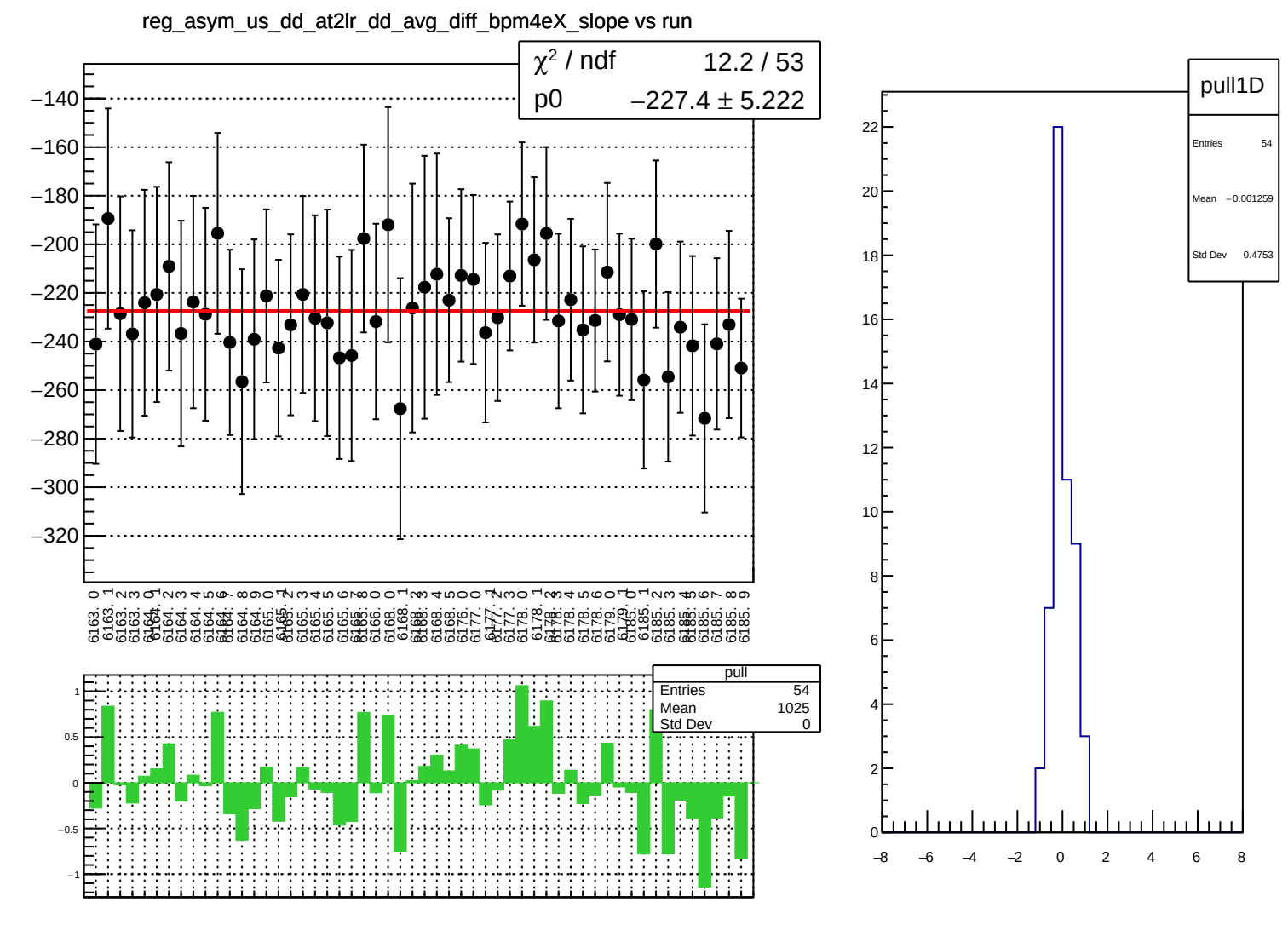

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 28.54 / 53
p0 1.57 ± 3.31
pull
Entries 54
Mean 181.2
Std Dev 0
pull1D
Entries 54
Mean −0.0008129
Std Dev 0.7269

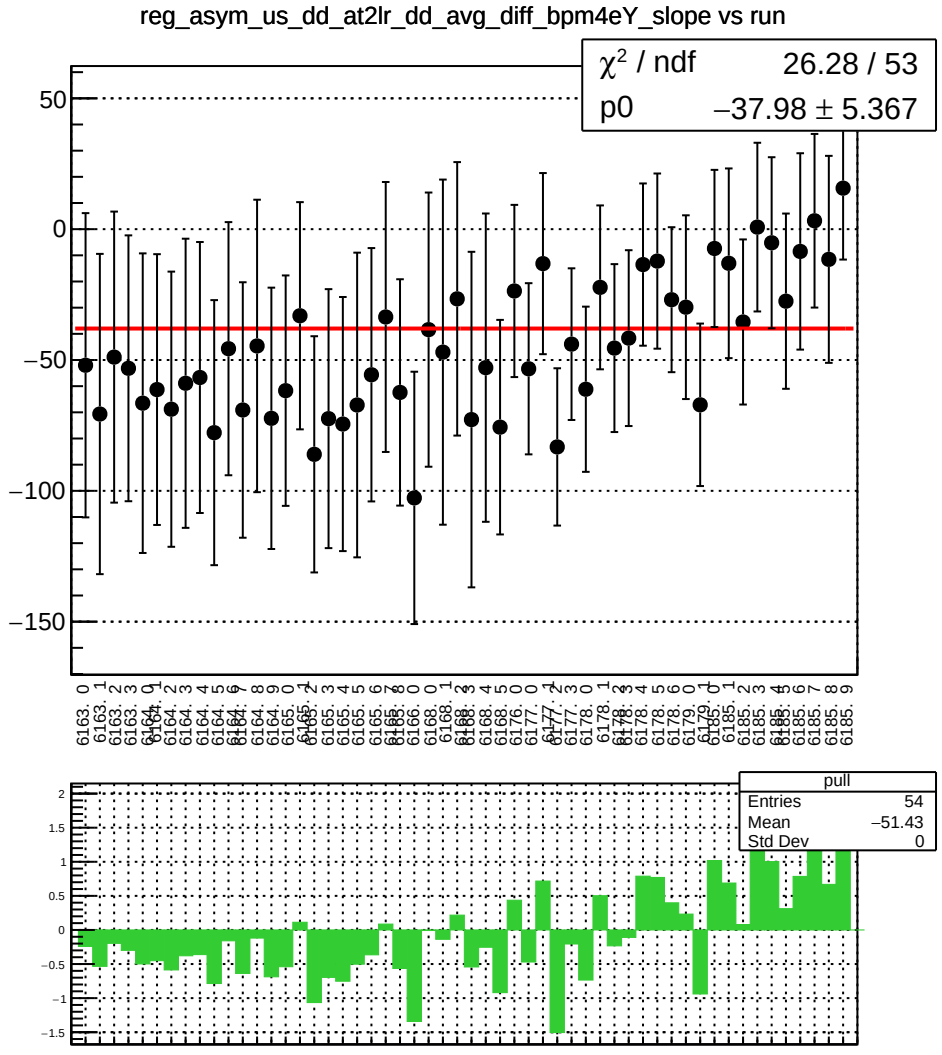

reg_asym_us_dd_at1lr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 24.66 / 53
p0 −4.941 ± 0.2593
pull
Entries 54
Mean −187.8
Std Dev 0
pull1D
Entries 54
Mean −0.01838
Std Dev 0.6756

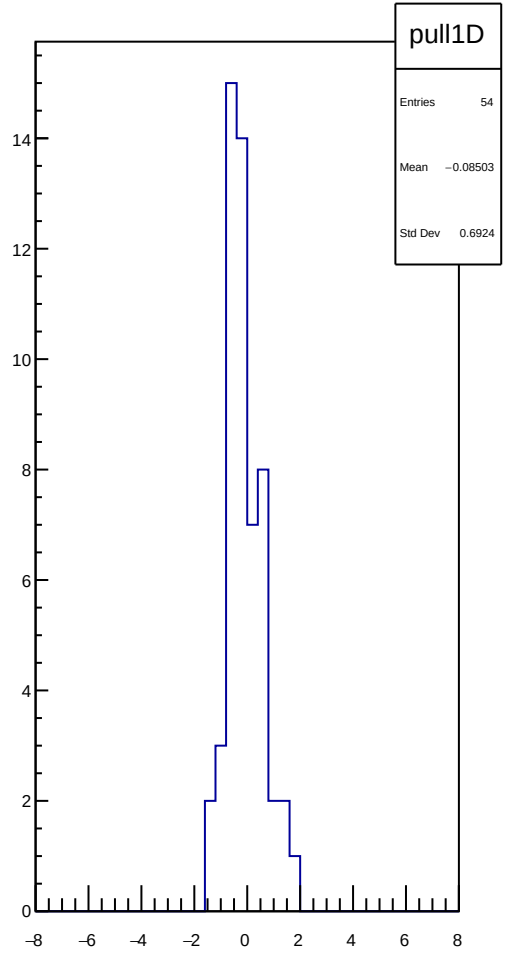

reg_asym_us_dd_at2lr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 12.13 / 53
p0 70.39 ± 4.502
pull
Entries 54
Mean −2054
Std Dev 0

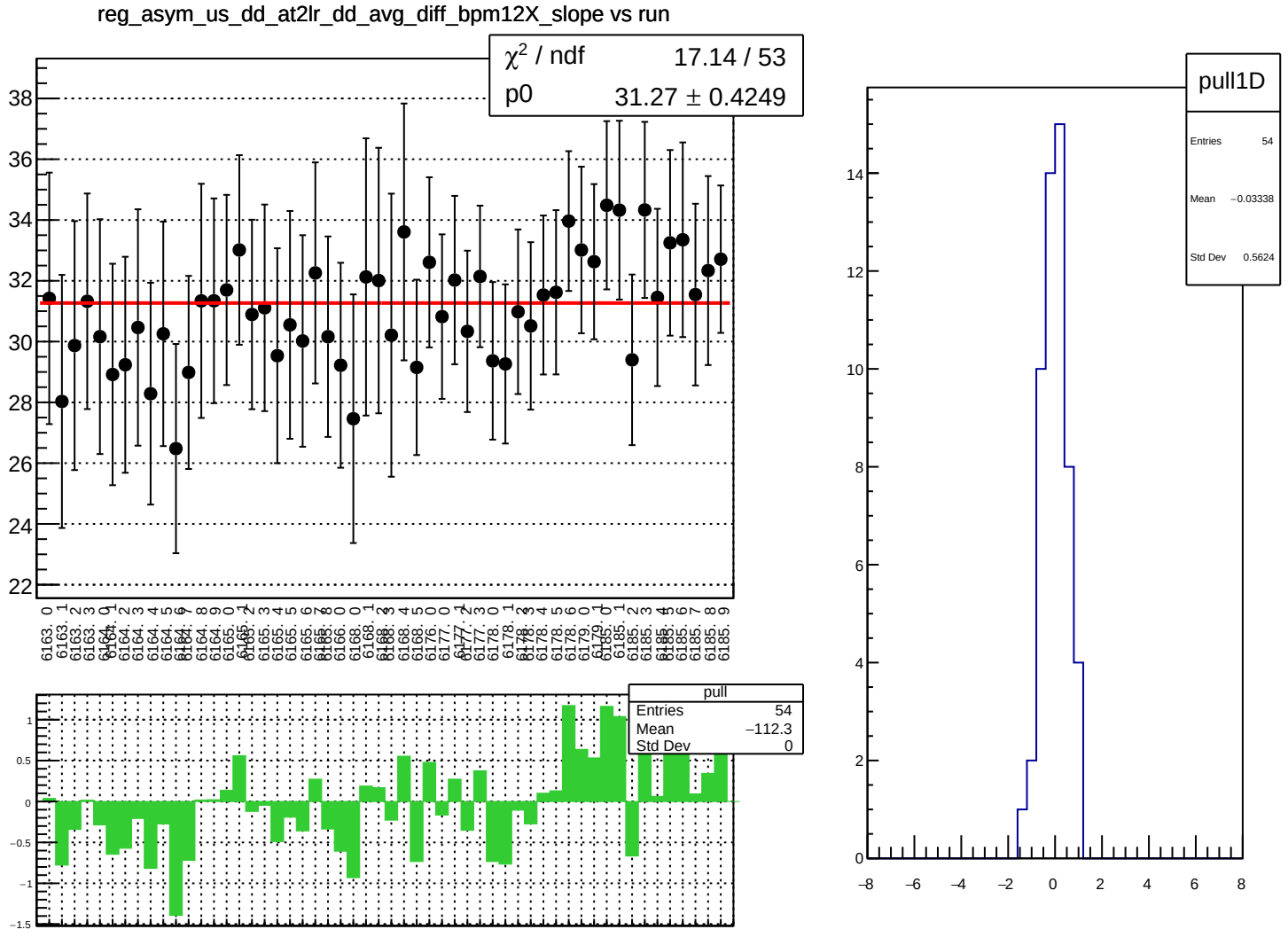

pull1D
Entries 54
Mean −0.0009232
Std Dev 0.474

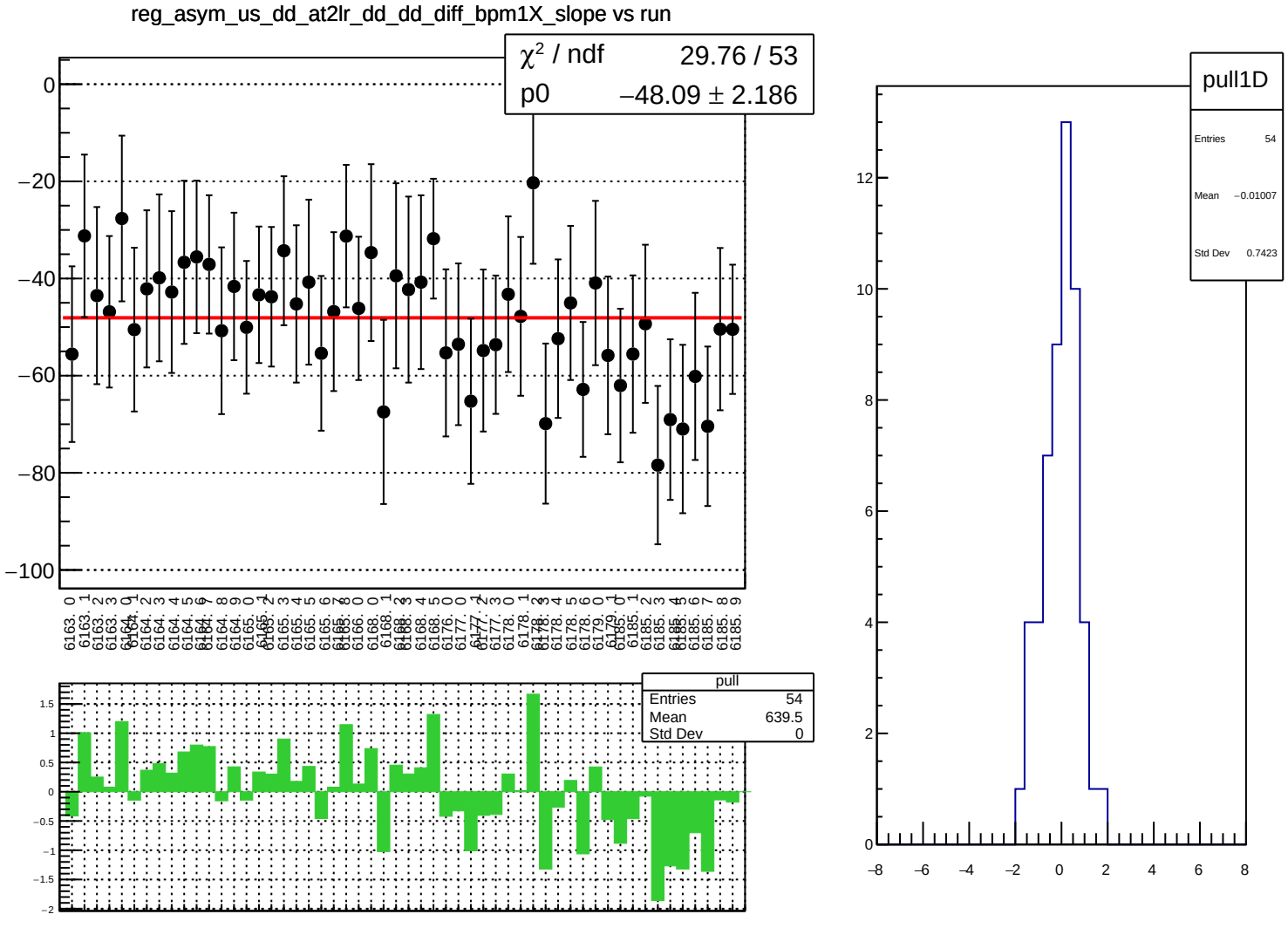

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 20.36 / 53
p0 14.66 ± 4.787
pull
Entries 54
Mean −53.54
Std Dev 0
pull1D
Entries 54
Mean 0.06064
Std Dev 0.6111

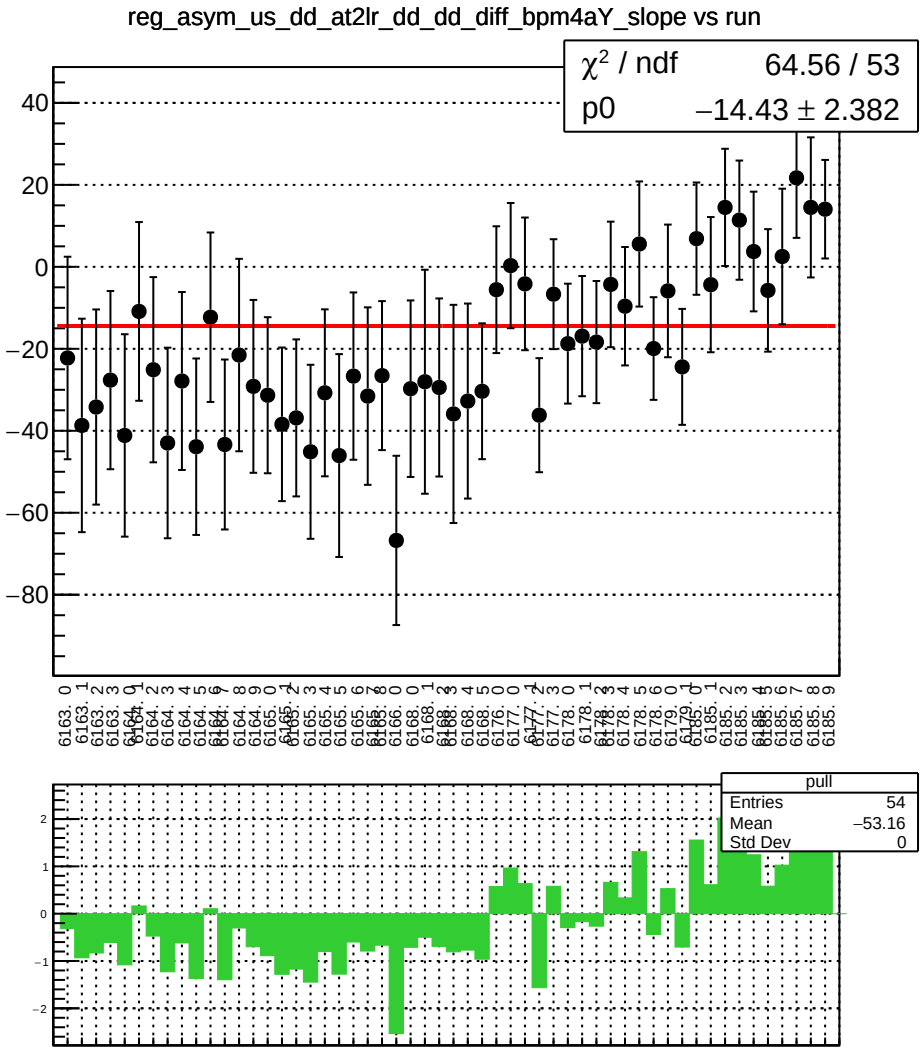

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 12.2 / 53
p0 −227.4 ± 5.222
pull
Entries 54
Mean 1025
Std Dev 0
pull1D
Entries 54
Mean −0.001259
Std Dev 0.4753

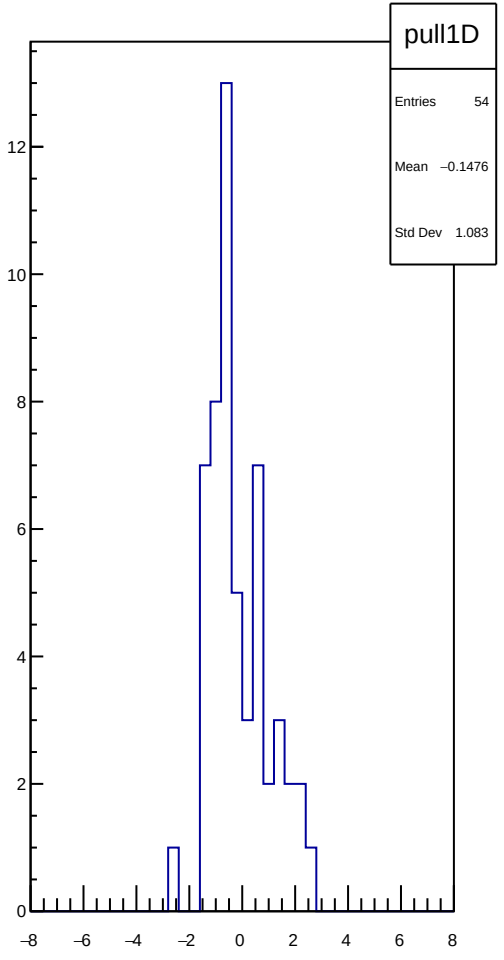

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 26.28 / 53
p0 −37.98 ± 5.367
pull
Entries 54
Mean −51.43
Std Dev 0

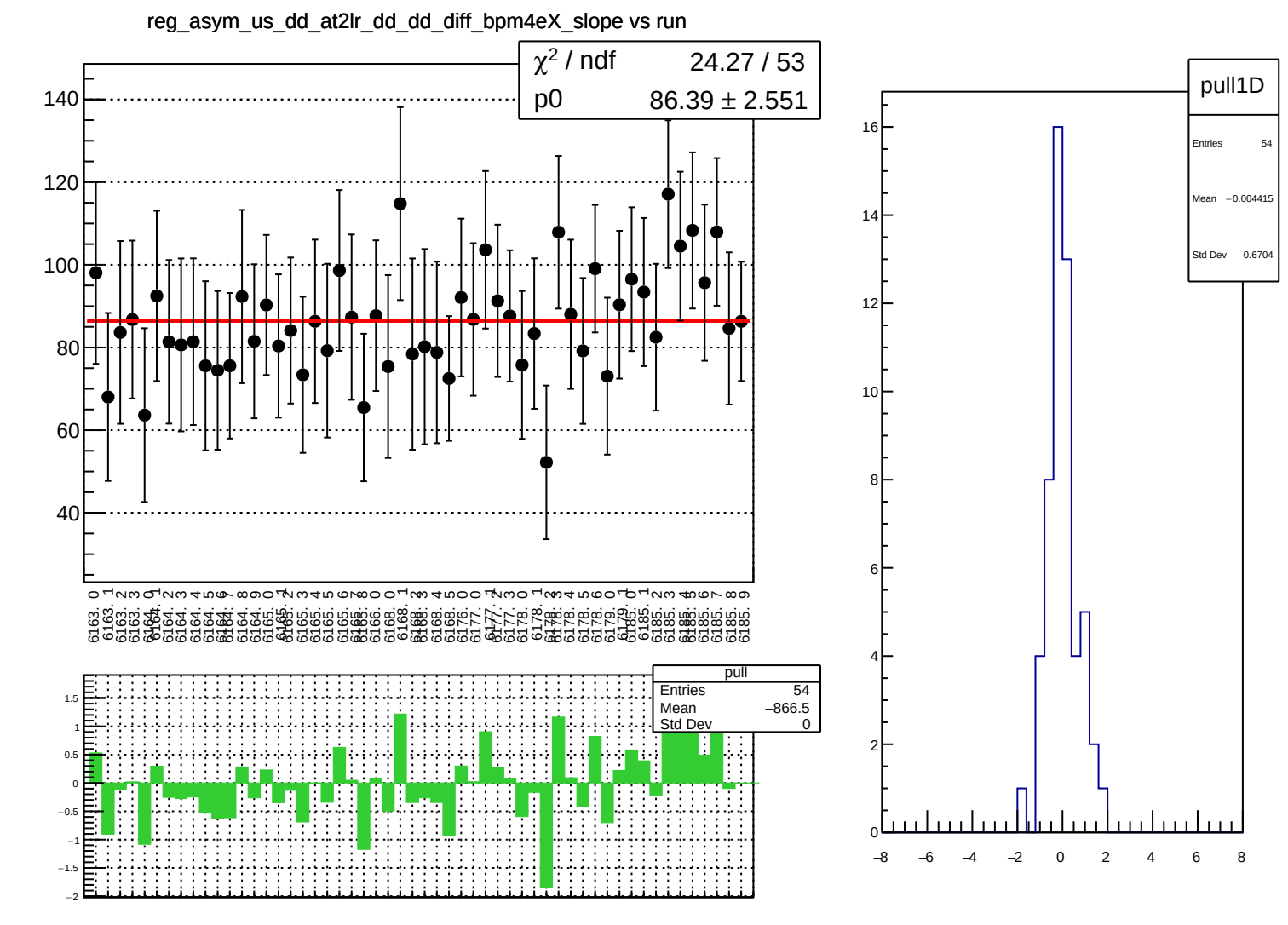

pull1D
Entries 54
Mean −0.08503
Std Dev 0.6924

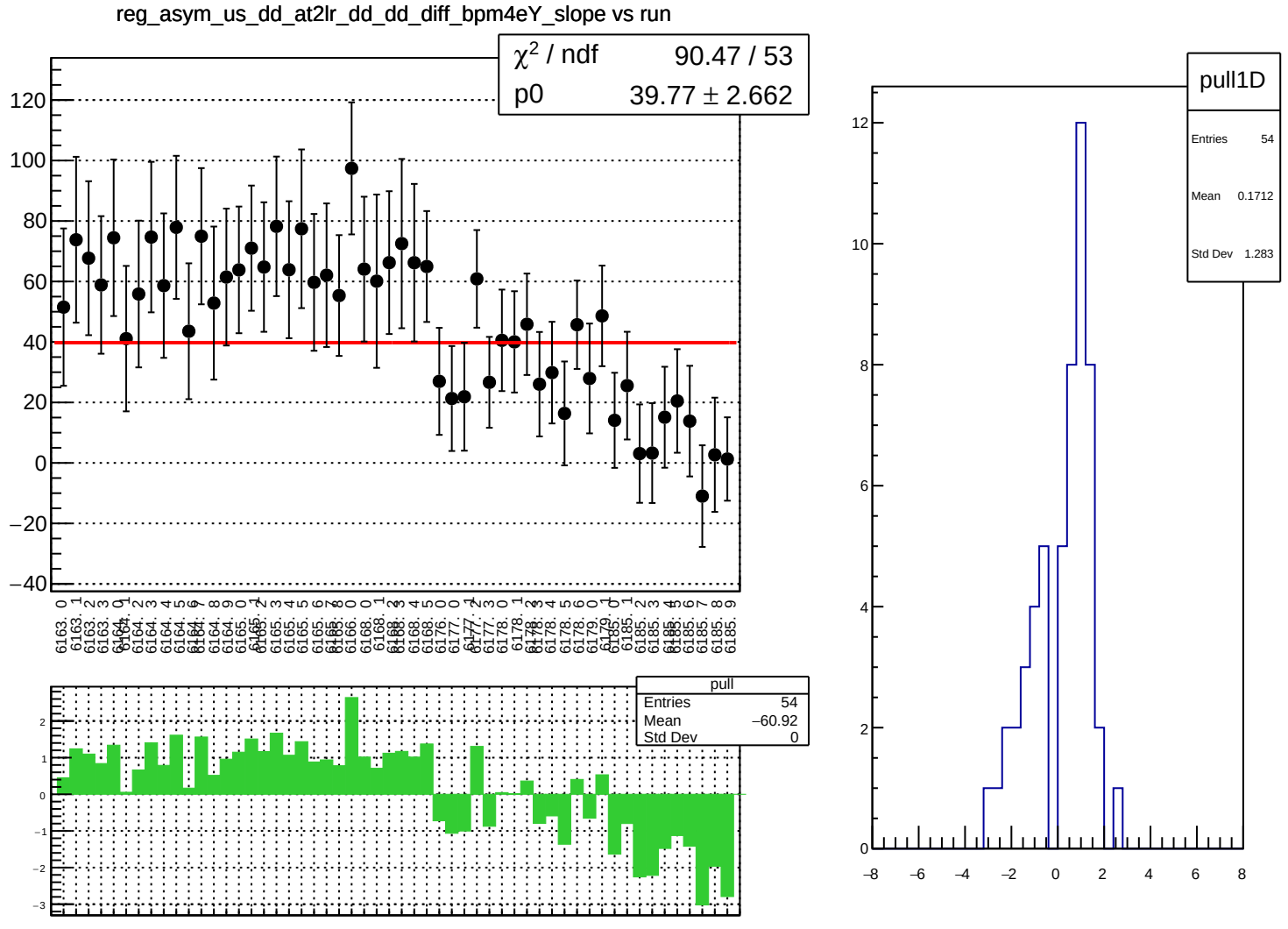

reg_asym_us_dd_at2lr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 17.14 / 53
p0 31.27 ± 0.4249
pull
Entries 54
Mean −112.3
Std Dev 0
pull1D
Entries 54
Mean −0.03338
Std Dev 0.5624

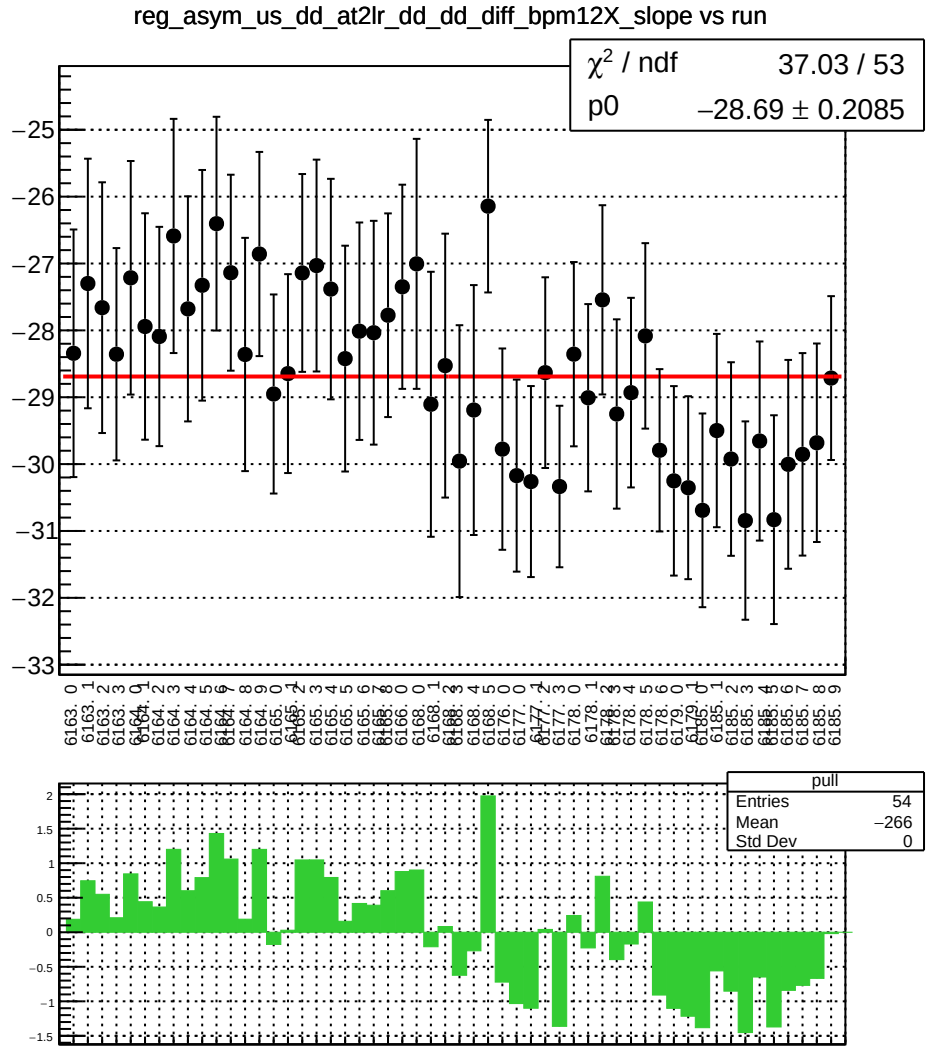

reg_asym_us_dd_at2lr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 29.76 / 53
p0 −48.09 ± 2.186
pull
Entries 54
Mean 639.5
Std Dev 0
pull1D
Entries 54
Mean −0.01007
Std Dev 0.7423

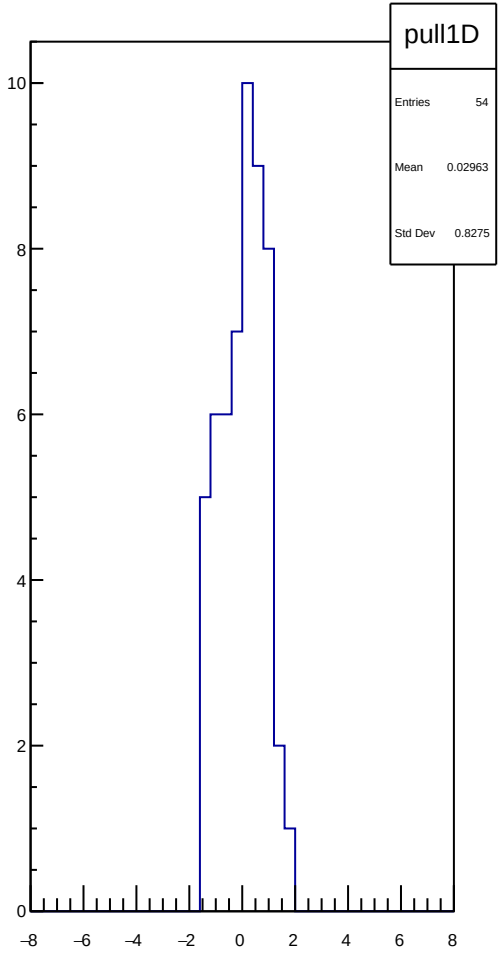

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 64.56 / 53
p0 −14.43 ± 2.382
pull
Entries 54
Mean −53.16
Std Dev 0

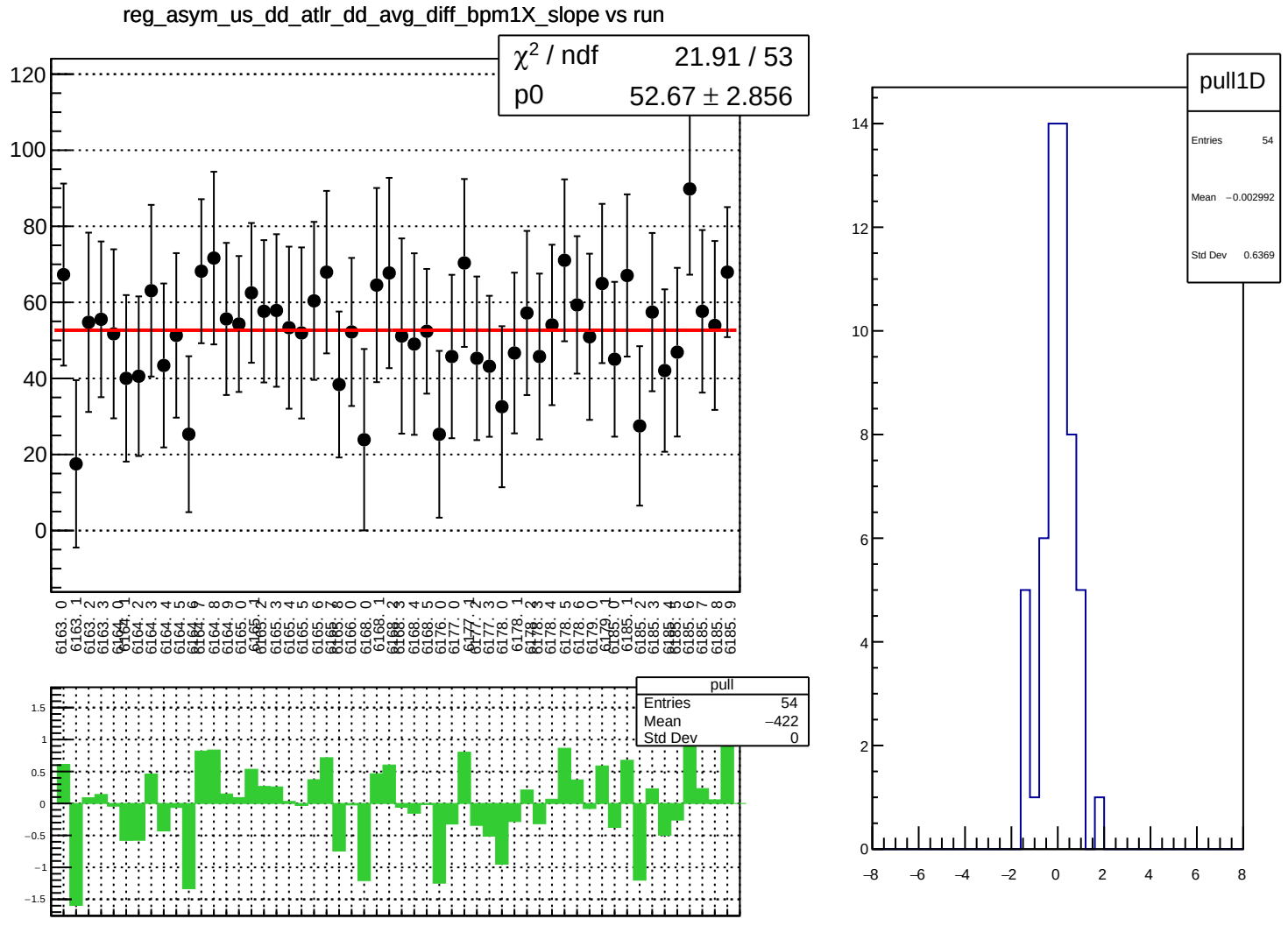

pull1D
Entries 54
Mean −0.1476
Std Dev 1.083

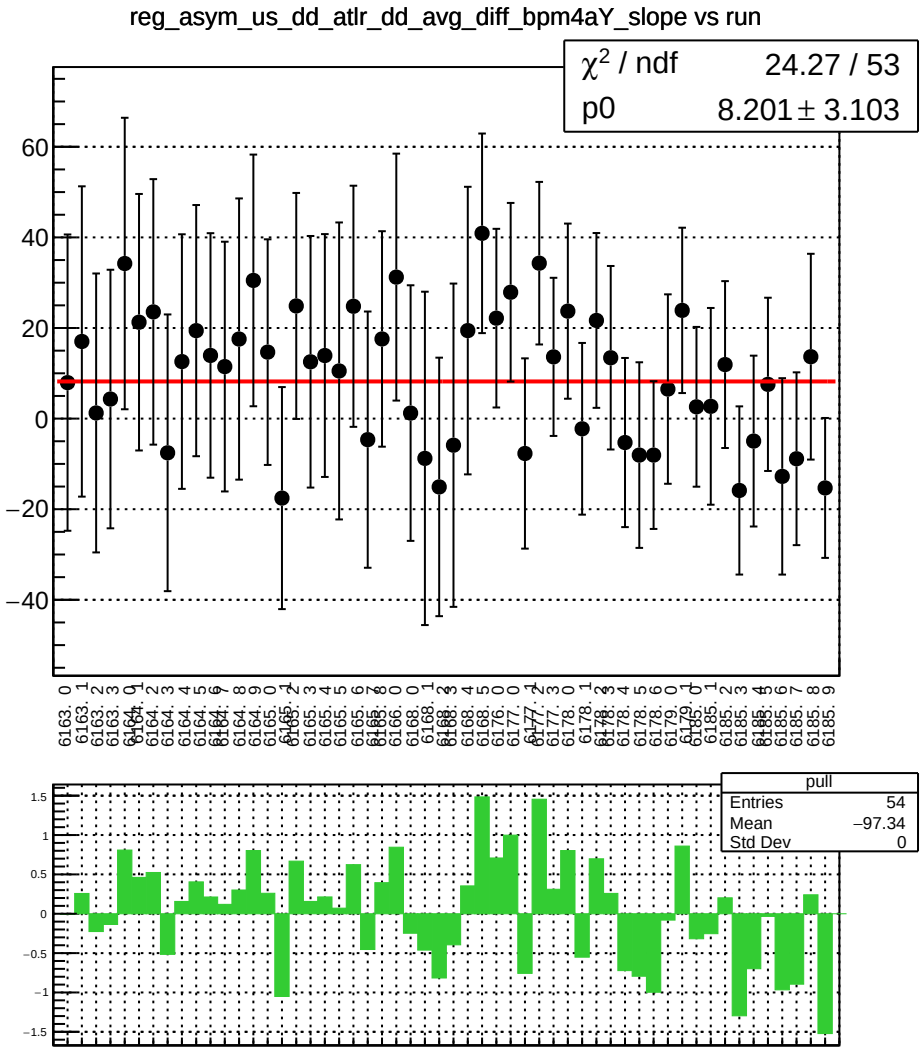

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 24.27 / 53
p0 86.39 ± 2.551
pull
Entries 54
Mean −866.5
Std Dev 0
pull1D
Entries 54
Mean −0.004415
Std Dev 0.6704

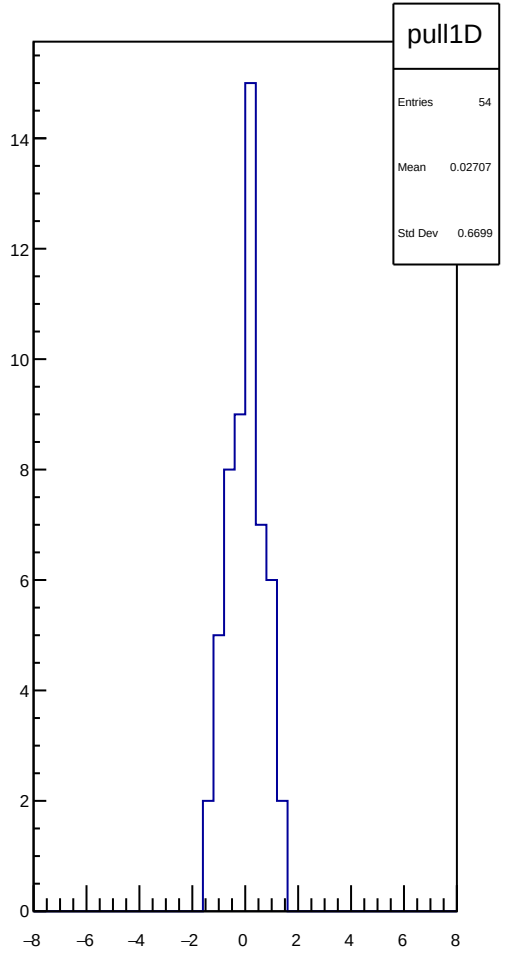

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 90.47 / 53
p0 39.77 ± 2.662
pull
Entries 54
Mean −60.92
Std Dev 0
pull1D
Entries 54
Mean 0.1712
Std Dev 1.283

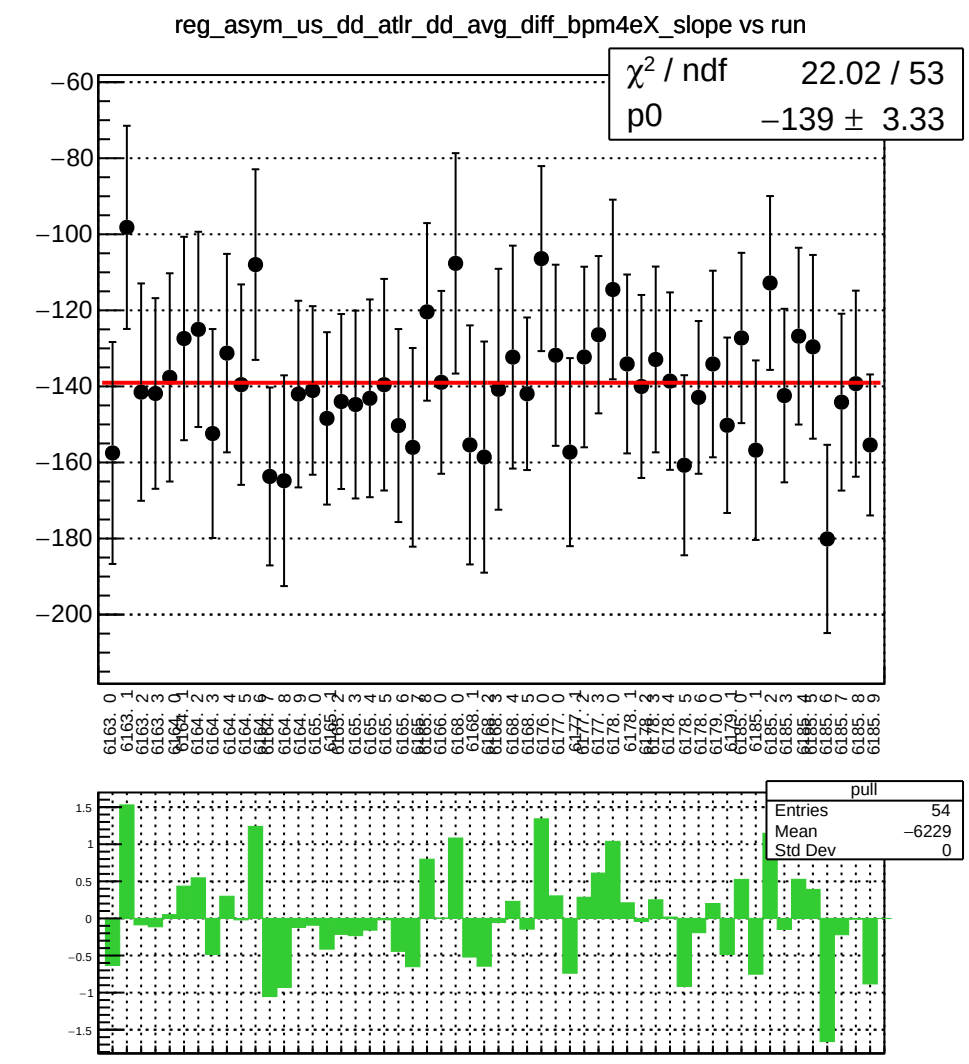

reg_asym_us_dd_at2lr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 37.03 / 53
p0 −28.69 ± 0.2085
pull
Entries 54
Mean −266
Std Dev 0

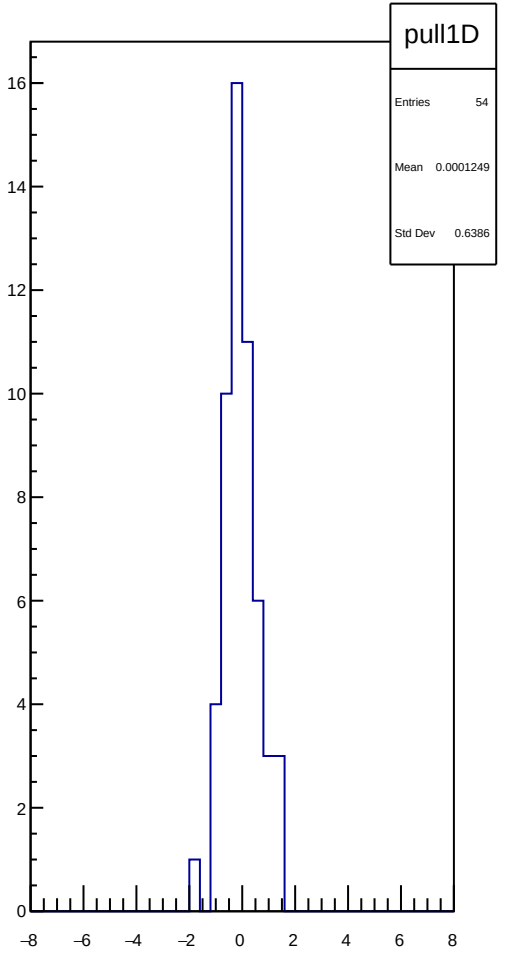

pull1D
Entries 54
Mean 0.02963
Std Dev 0.8275

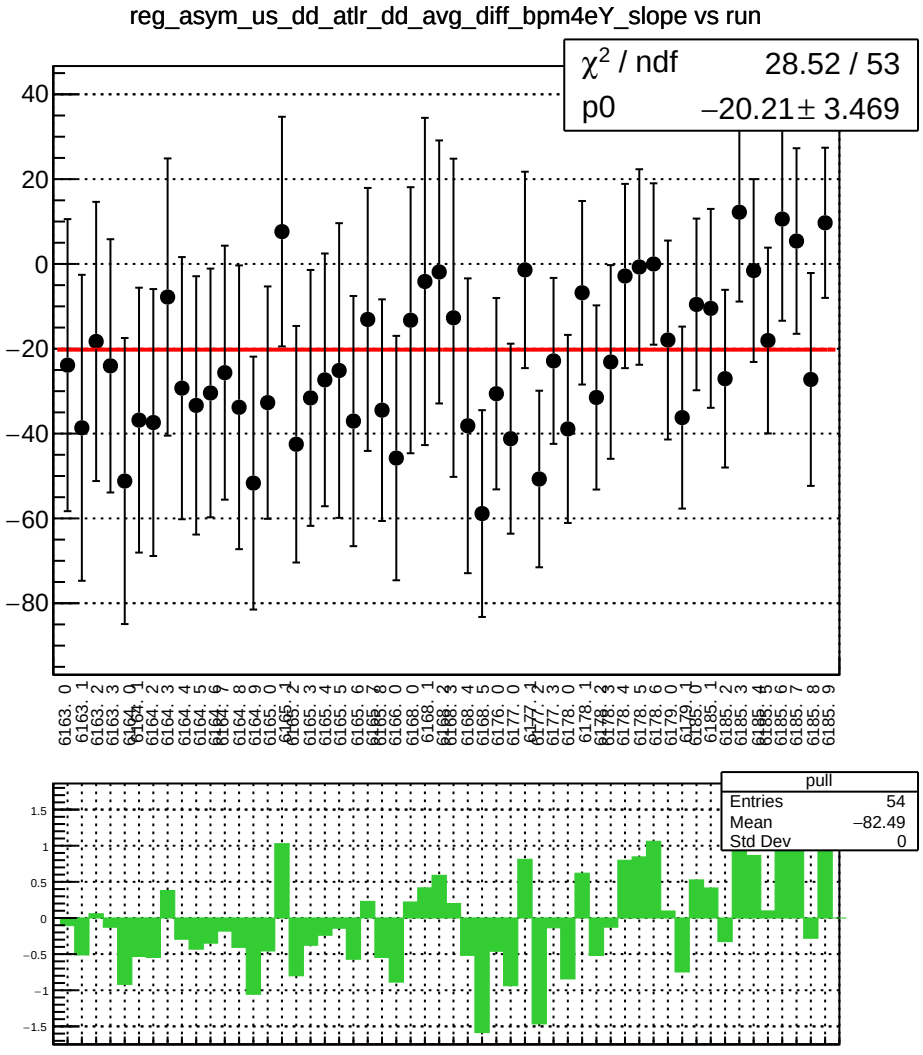

reg_asym_us_dd_atlr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 21.91 / 53
p0 52.67 ± 2.856
pull
Entries 54
Mean −422
Std Dev 0
pull1D
Entries 54
Mean −0.002992
Std Dev 0.6369

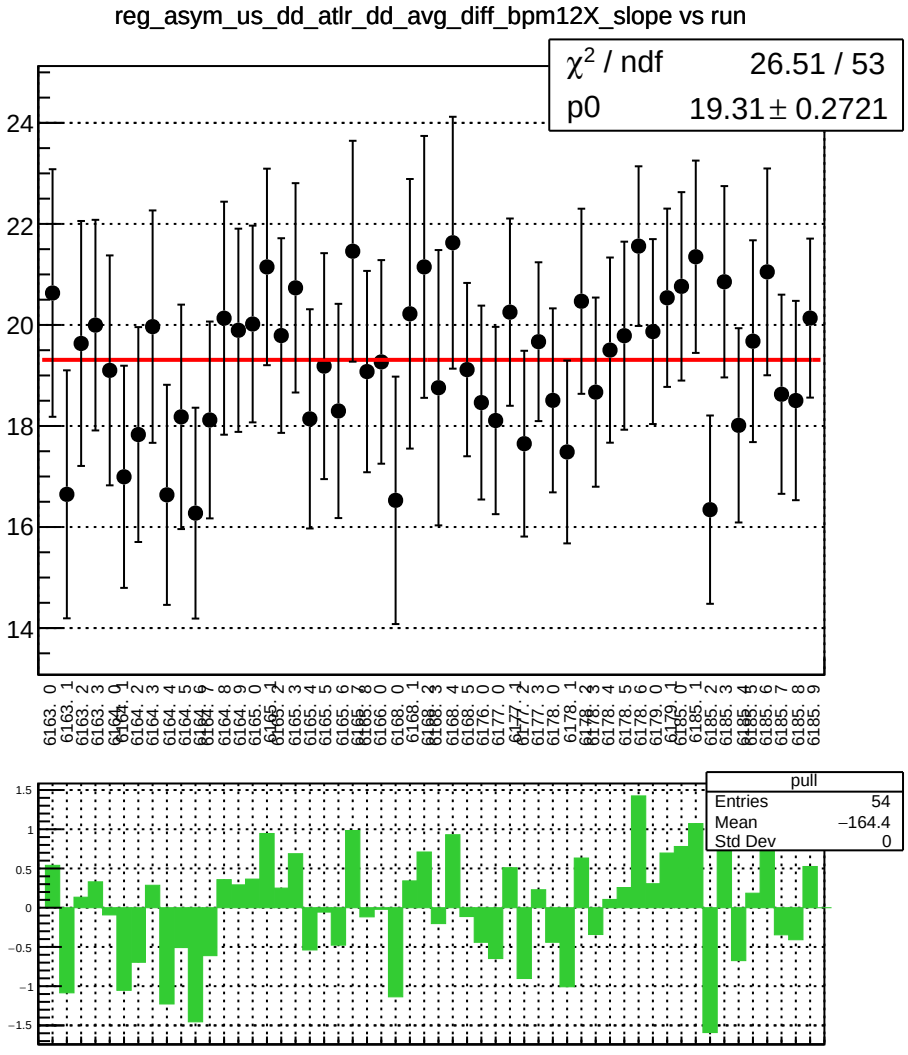

reg_asym_us_dd_atlr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 24.27 / 53
p0 8.201 ± 3.103
pull
Entries 54
Mean −97.34
Std Dev 0

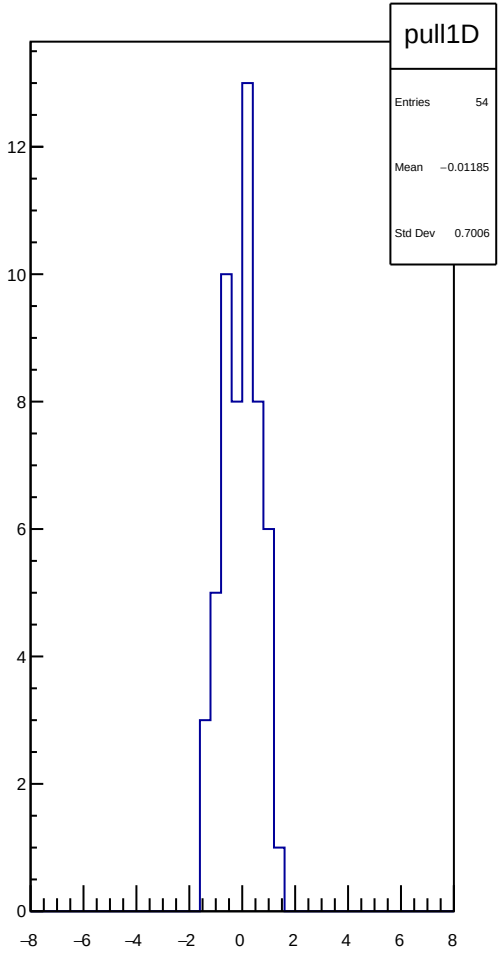

pull1D
Entries 54
Mean 0.02707
Std Dev 0.6699

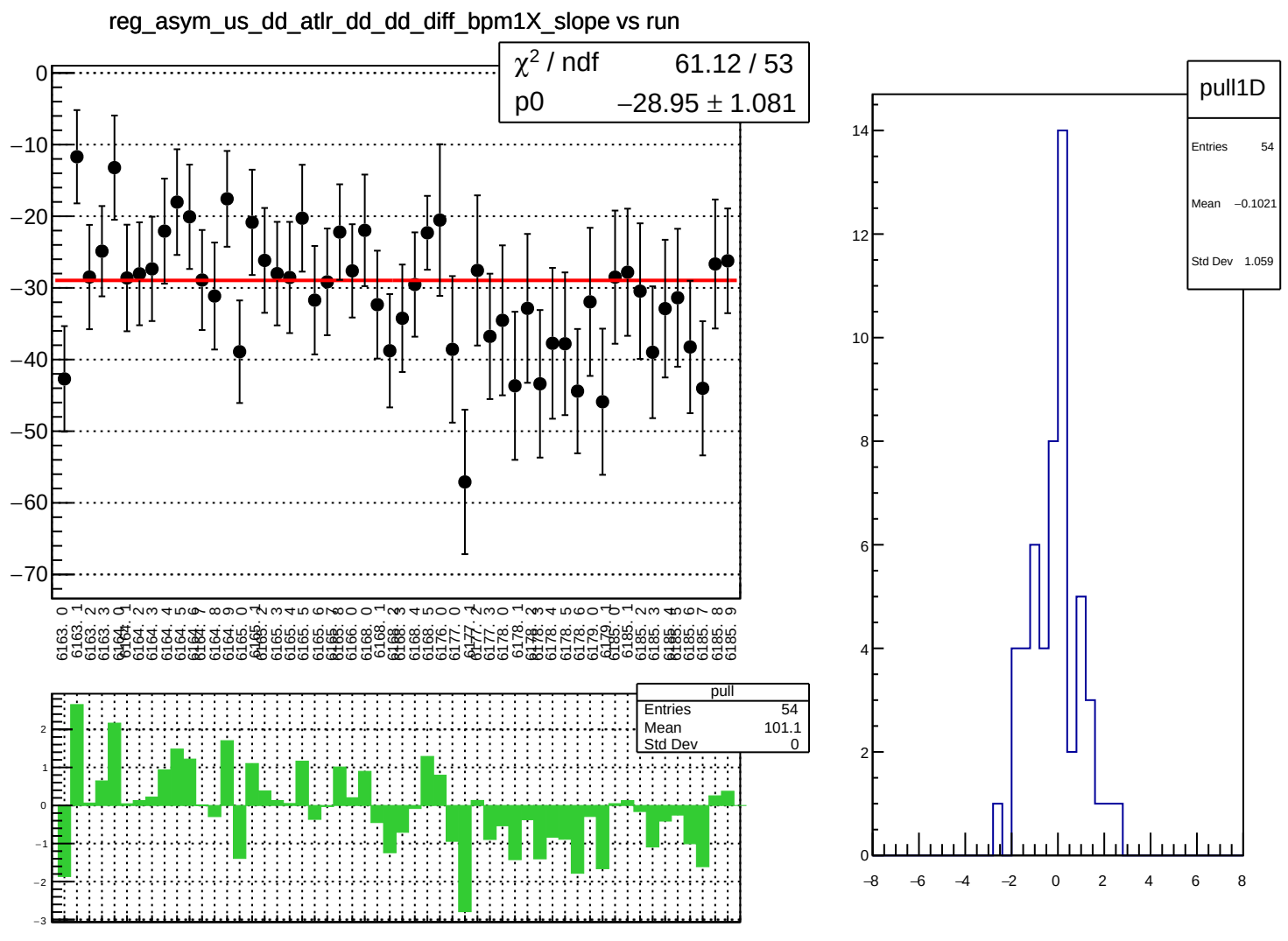

reg_asym_us_dd_atlr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 22.02 / 53
p0 −139 ± 3.33
pull
Entries 54
Mean −6229
Std Dev 0

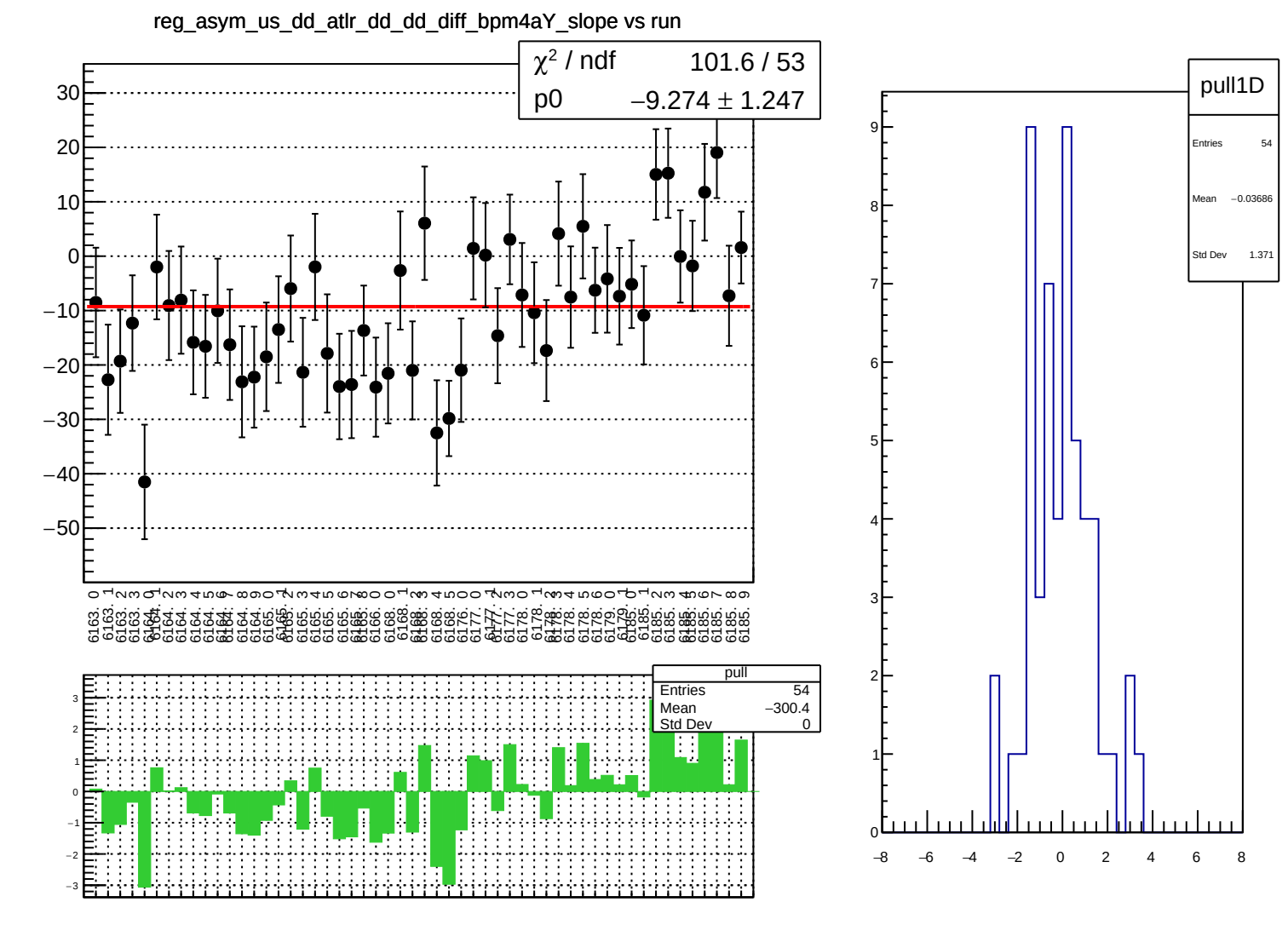

pull1D
Entries 54
Mean 0.0001249
Std Dev 0.6386

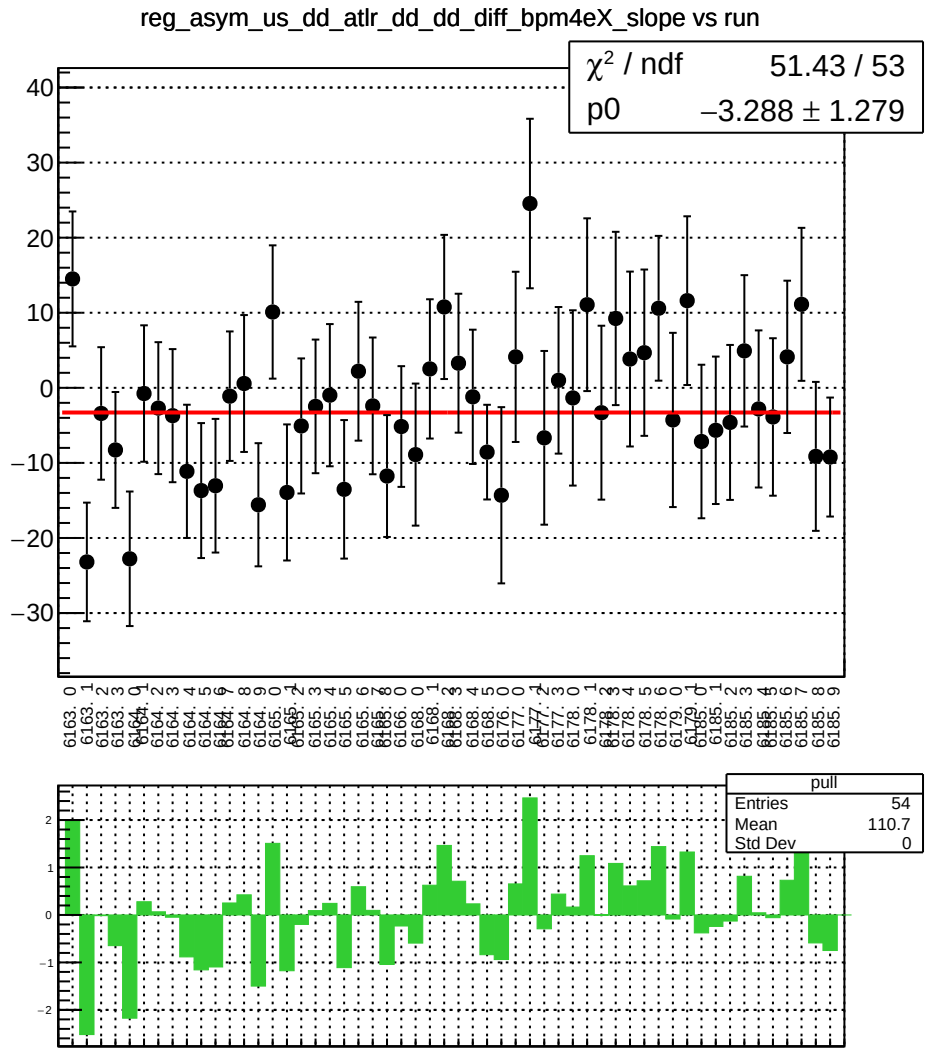

reg_asym_us_dd_atlr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 28.52 / 53
p0 −20.21 ± 3.469
pull
Entries 54
Mean −82.49
Std Dev 0
pull1D
Entries 54
Mean −0.04584
Std Dev 0.7253

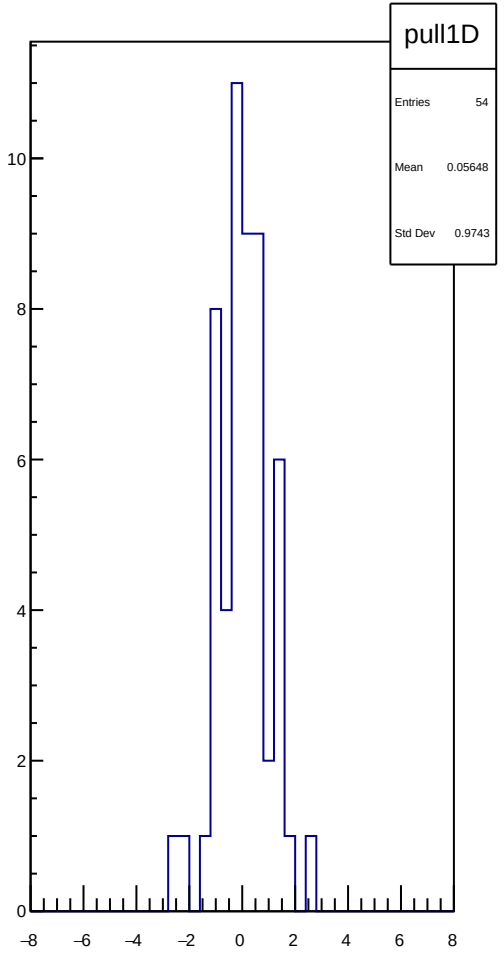

reg_asym_us_dd_atlr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 26.51 / 53
p0 19.31 ± 0.2721
pull
Entries 54
Mean −164.4
Std Dev 0

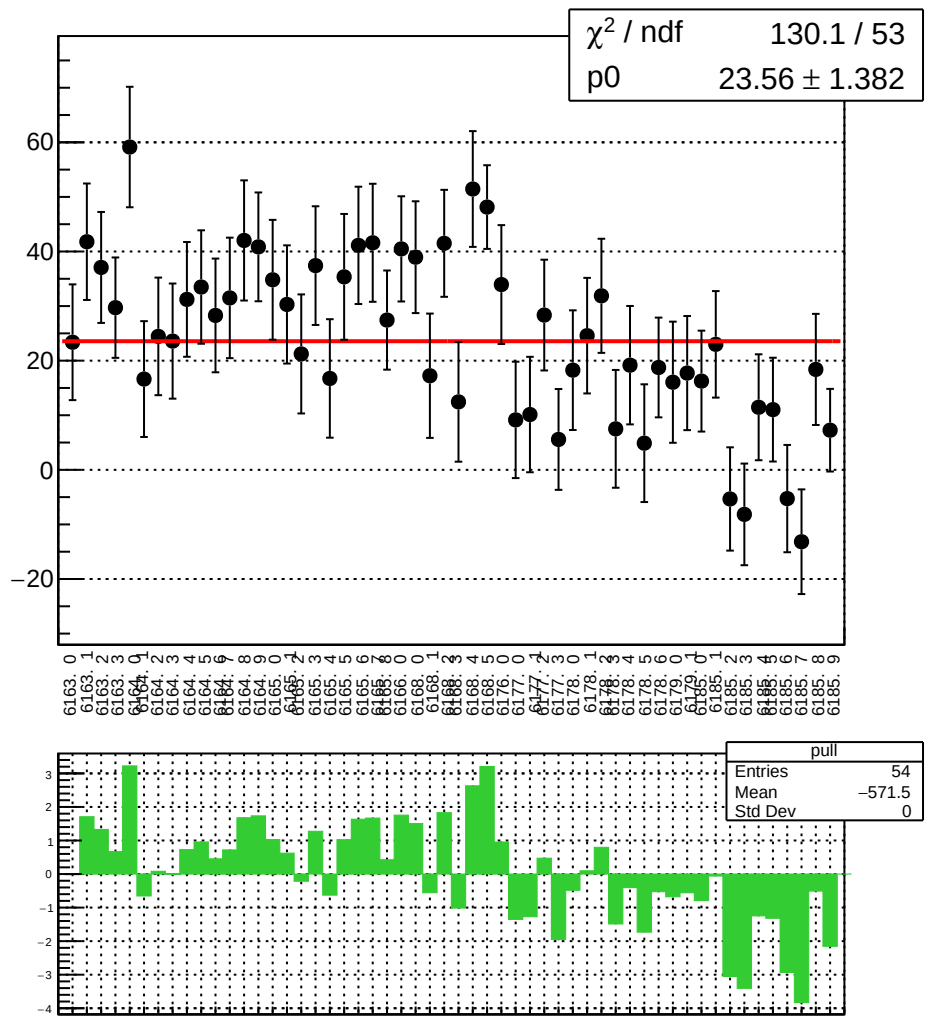

pull1D
Entries 54
Mean −0.01185
Std Dev 0.7006

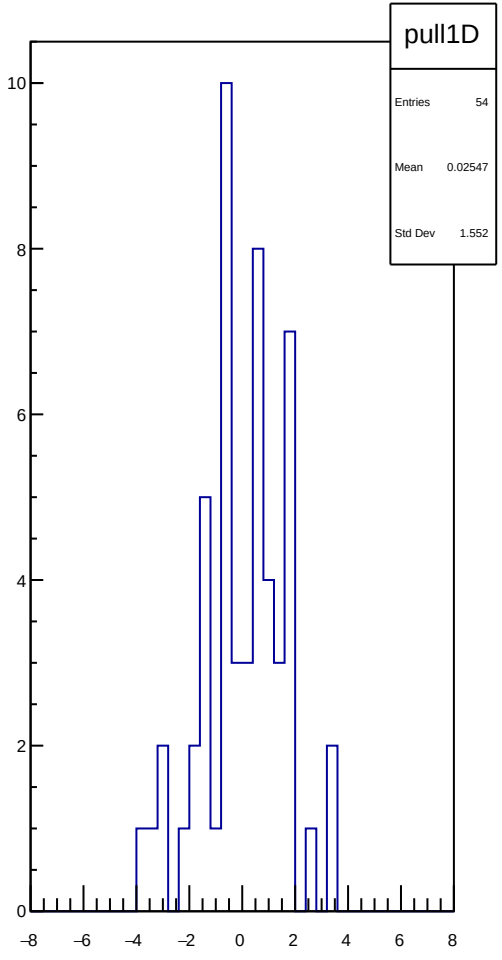

reg_asym_us_dd_atlr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 61.12 / 53
p0 −28.95 ± 1.081
pull
Entries 54
Mean 101.1
Std Dev 0
pull1D
Entries 54
Mean −0.1021
Std Dev 1.059

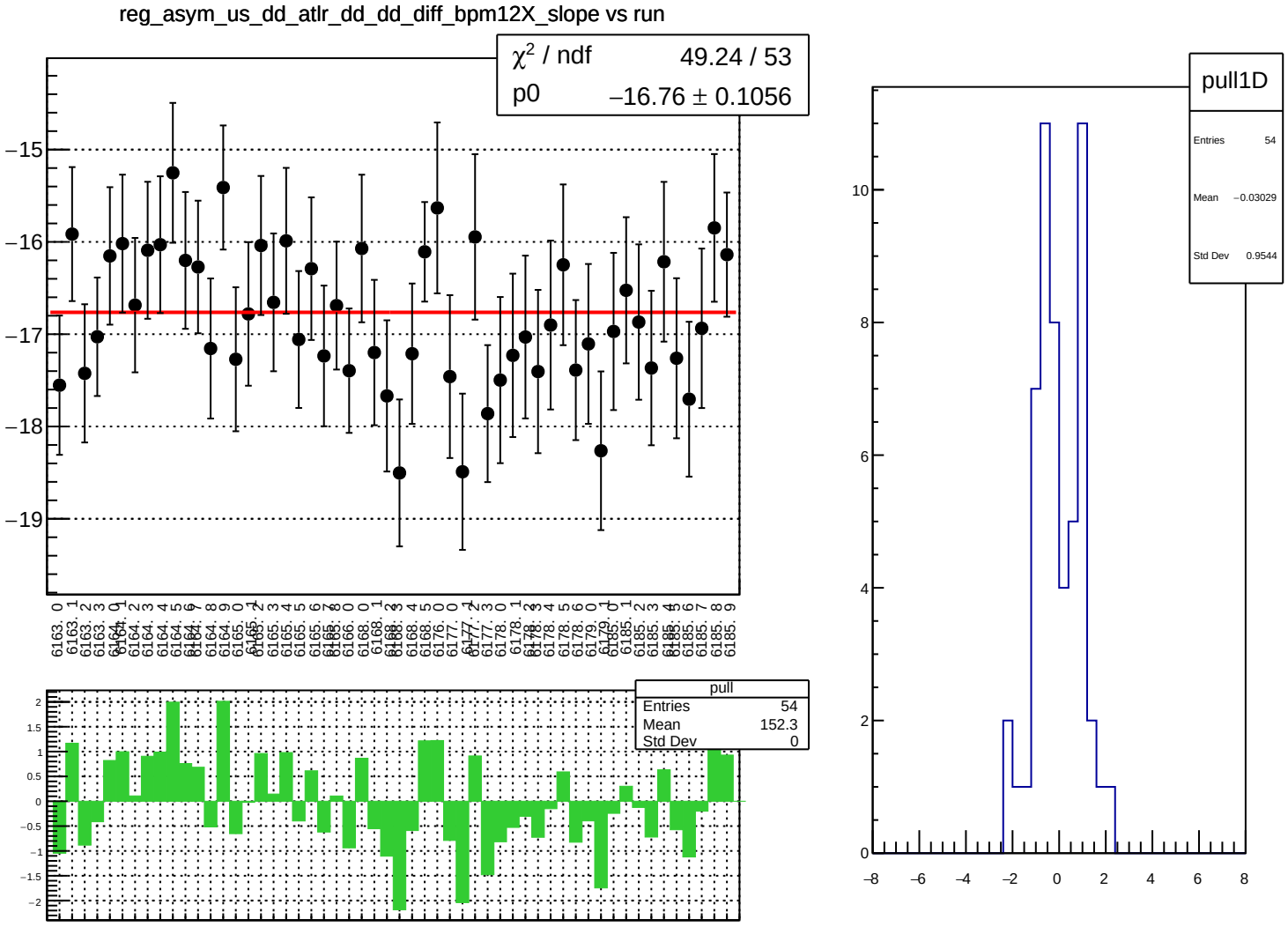

reg_asym_us_dd_atlr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 101.6 / 53
p0 −9.274 ± 1.247
pull
Entries 54
Mean −300.4
Std Dev 0
pull1D
Entries 54
Mean −0.03686
Std Dev 1.371

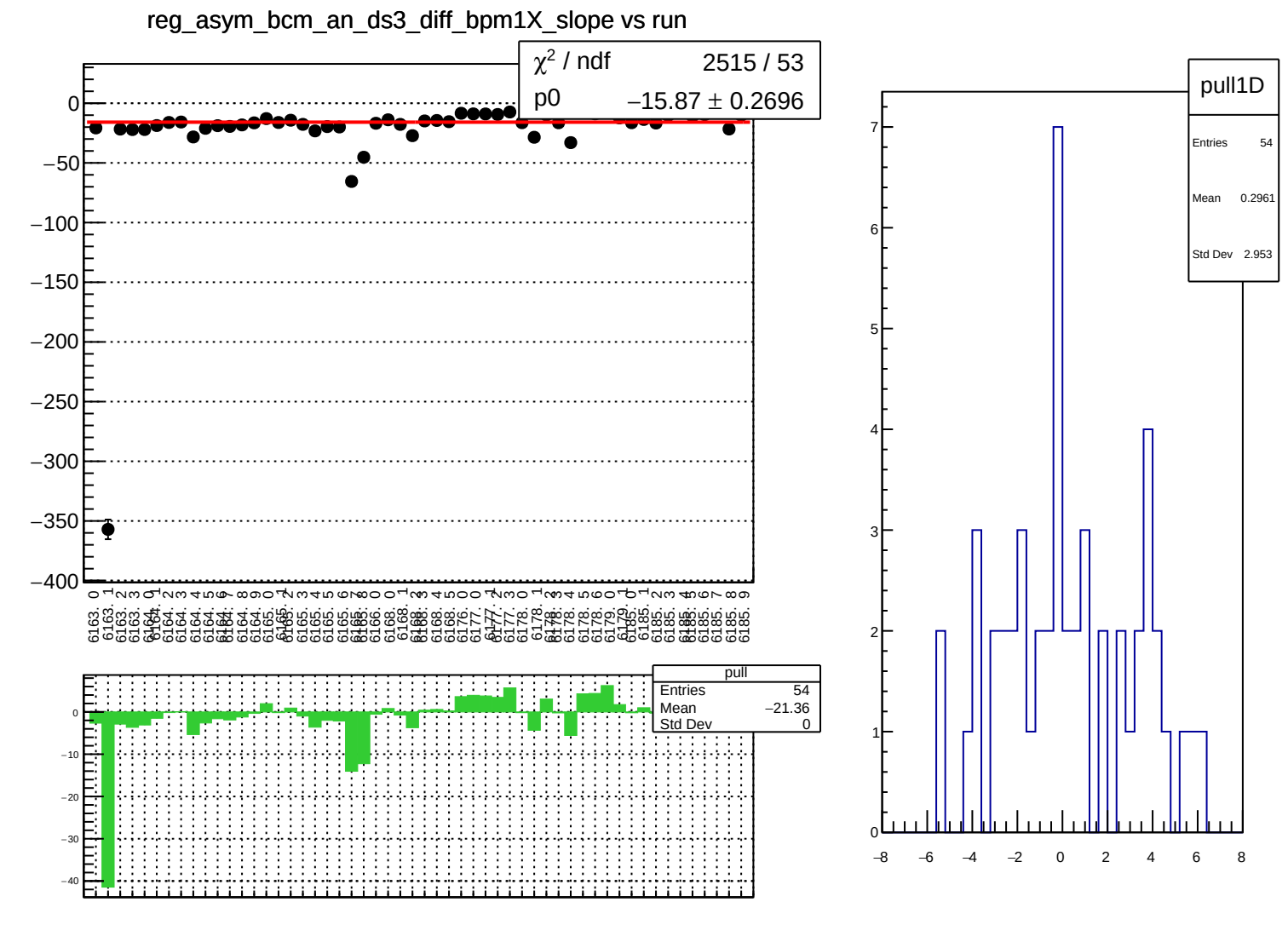

reg_asym_us_dd_atlr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 51.43 / 53
p0 −3.288 ± 1.279
pull
Entries 54
Mean 110.7
Std Dev 0

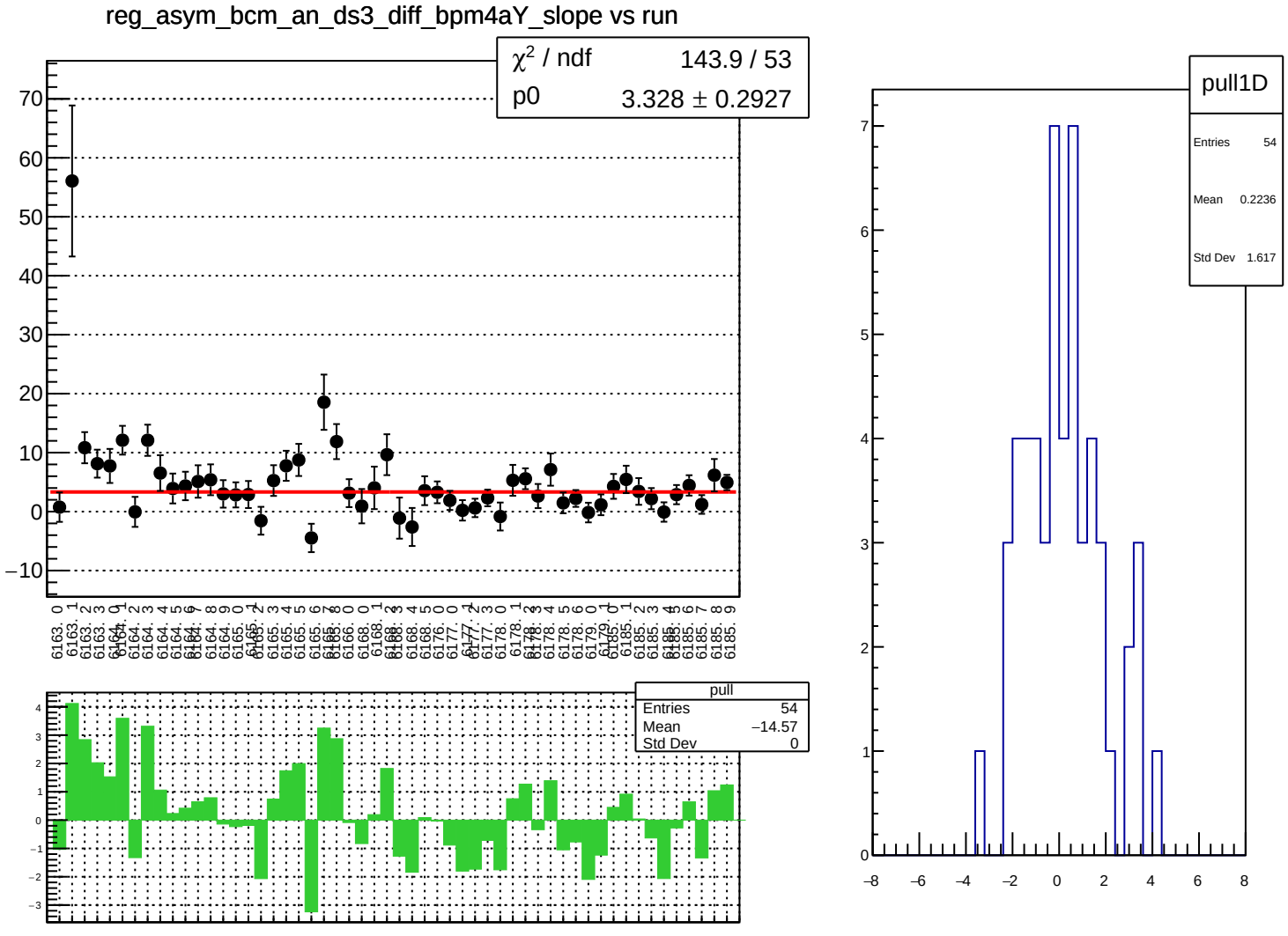

pull1D
Entries 54
Mean 0.05648
Std Dev 0.9743

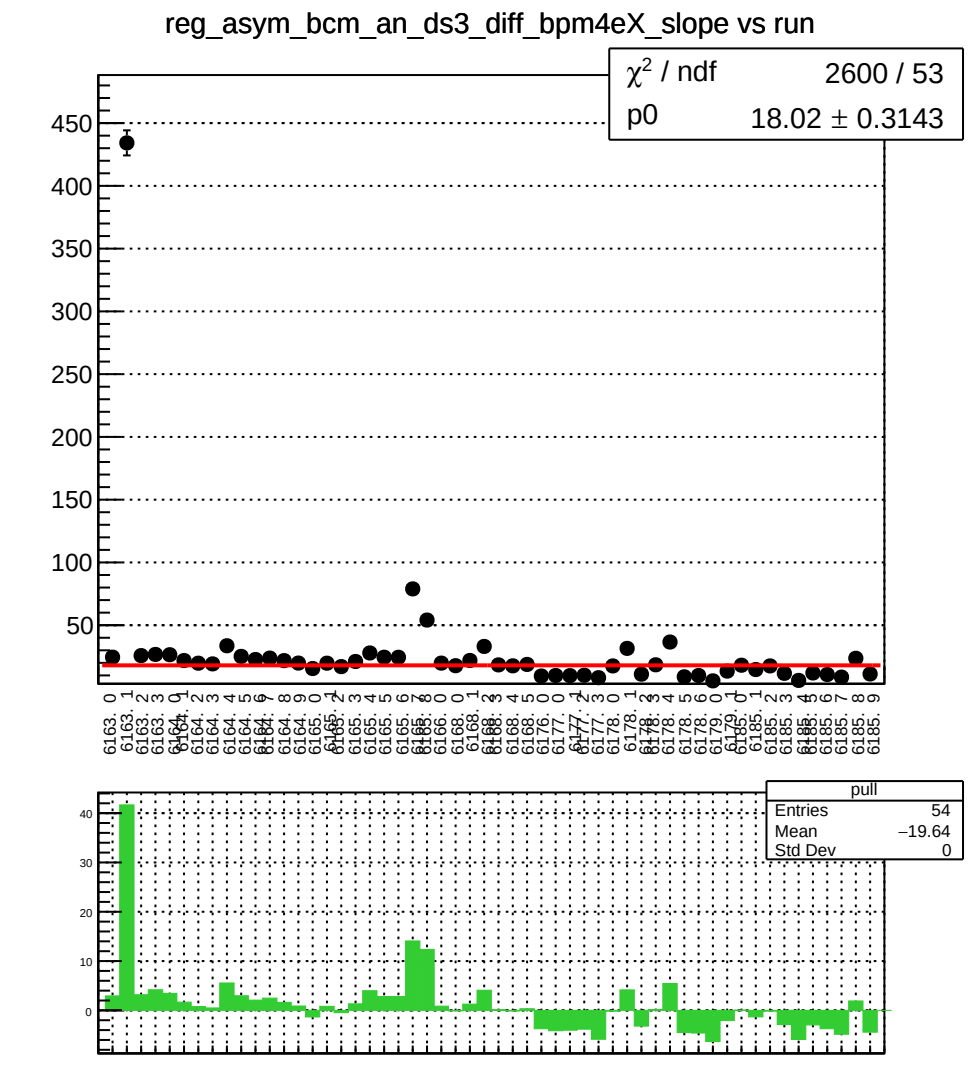

reg_asym_us_dd_atlr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 130.1 / 53
p0 23.56 ± 1.382
pull
Entries 54
Mean −571.5
Std Dev 0

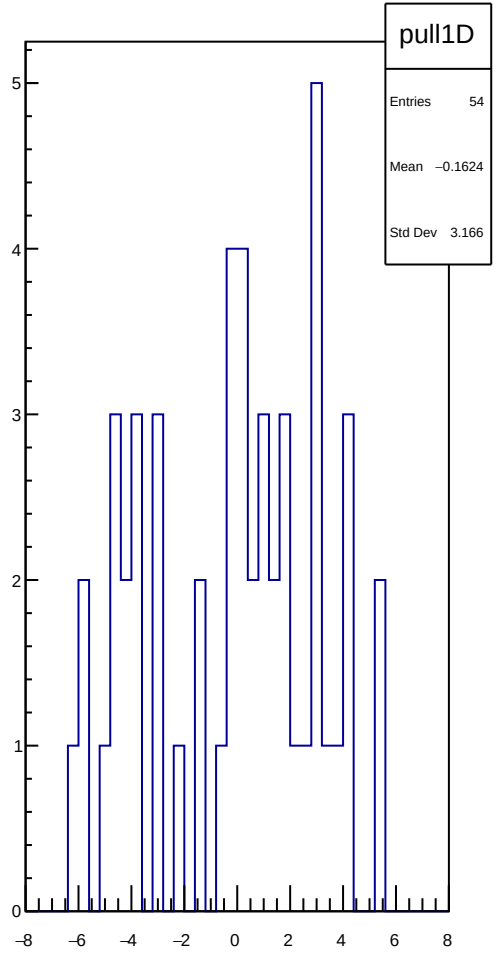

pull1D
Entries 54
Mean 0.02547
Std Dev 1.552

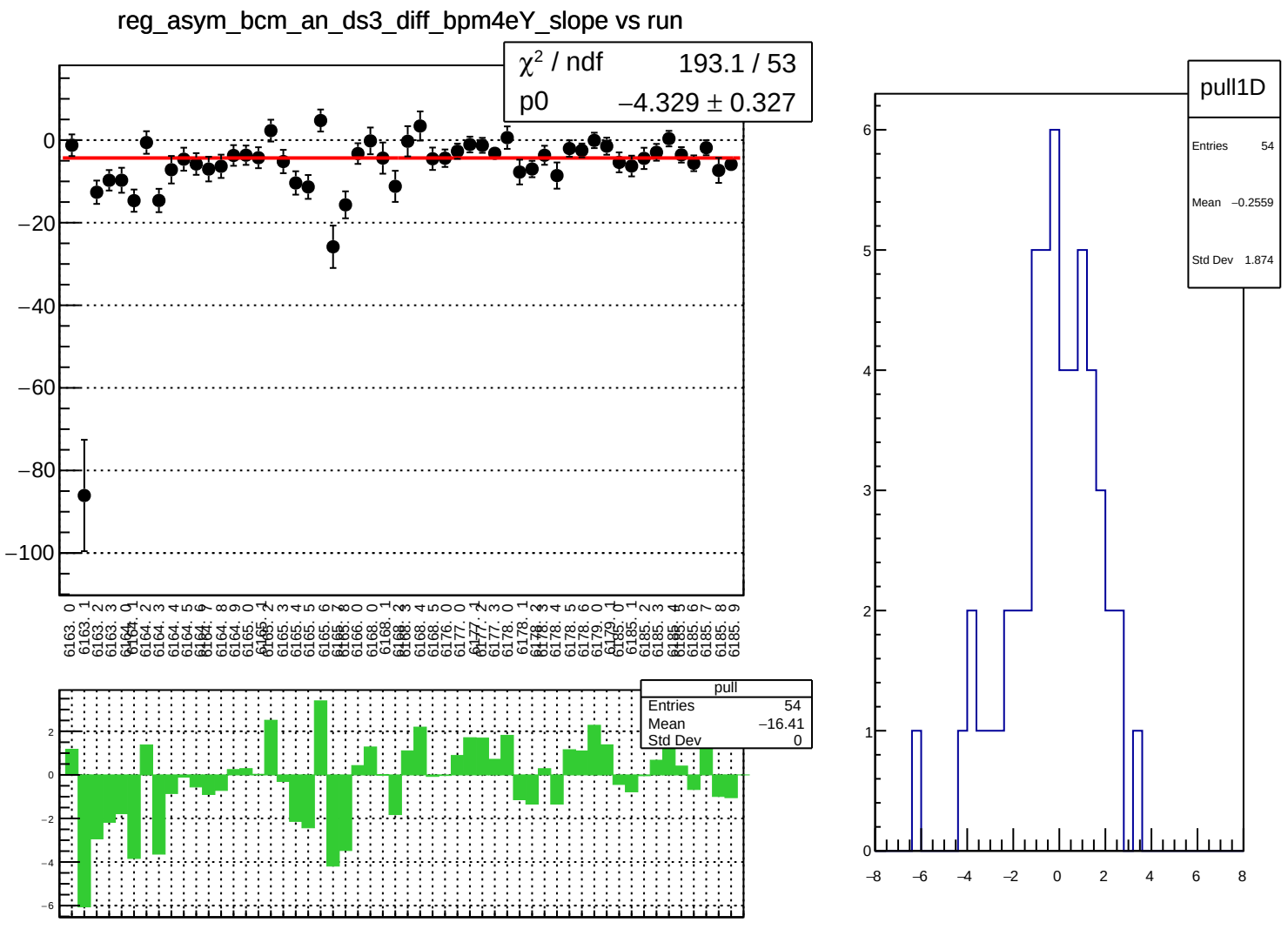

reg_asym_us_dd_atlr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 49.24 / 53
p0 −16.76 ± 0.1056
pull
Entries 54
Mean 152.3
Std Dev 0
pull1D
Entries 54
Mean −0.03029
Std Dev 0.9544

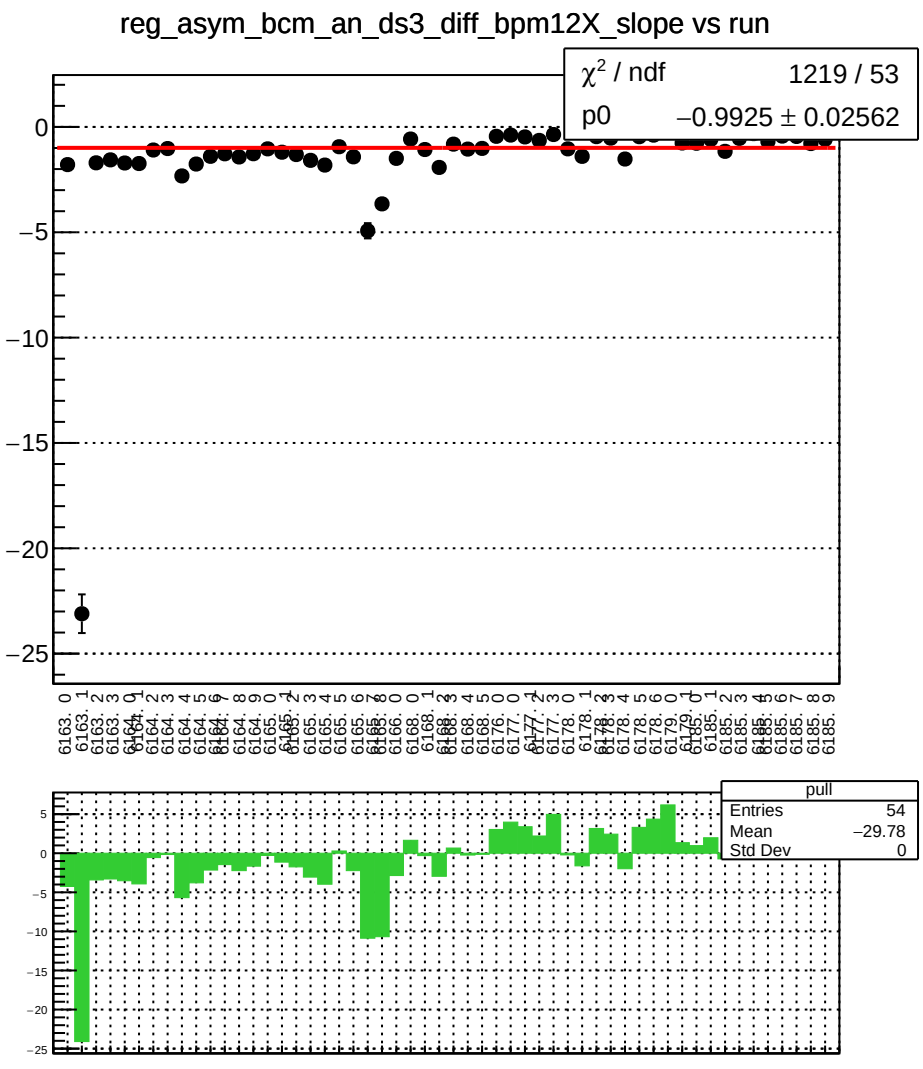

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs run
χ² / ndf 2515 / 53
p0 −15.87 ± 0.2696
pull
Entries 54
Mean −21.36
Std Dev 0
pull1D
Entries 54
Mean 0.2961
Std Dev 2.953

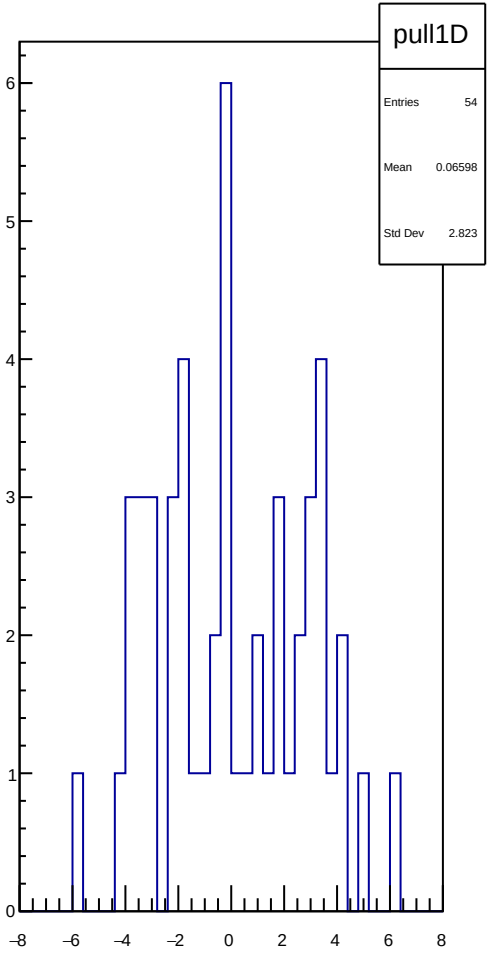

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 143.9 / 53
p0 3.328 ± 0.2927
pull
Entries 54
Mean −14.57
Std Dev 0
pull1D
Entries 54
Mean 0.2236
Std Dev 1.617

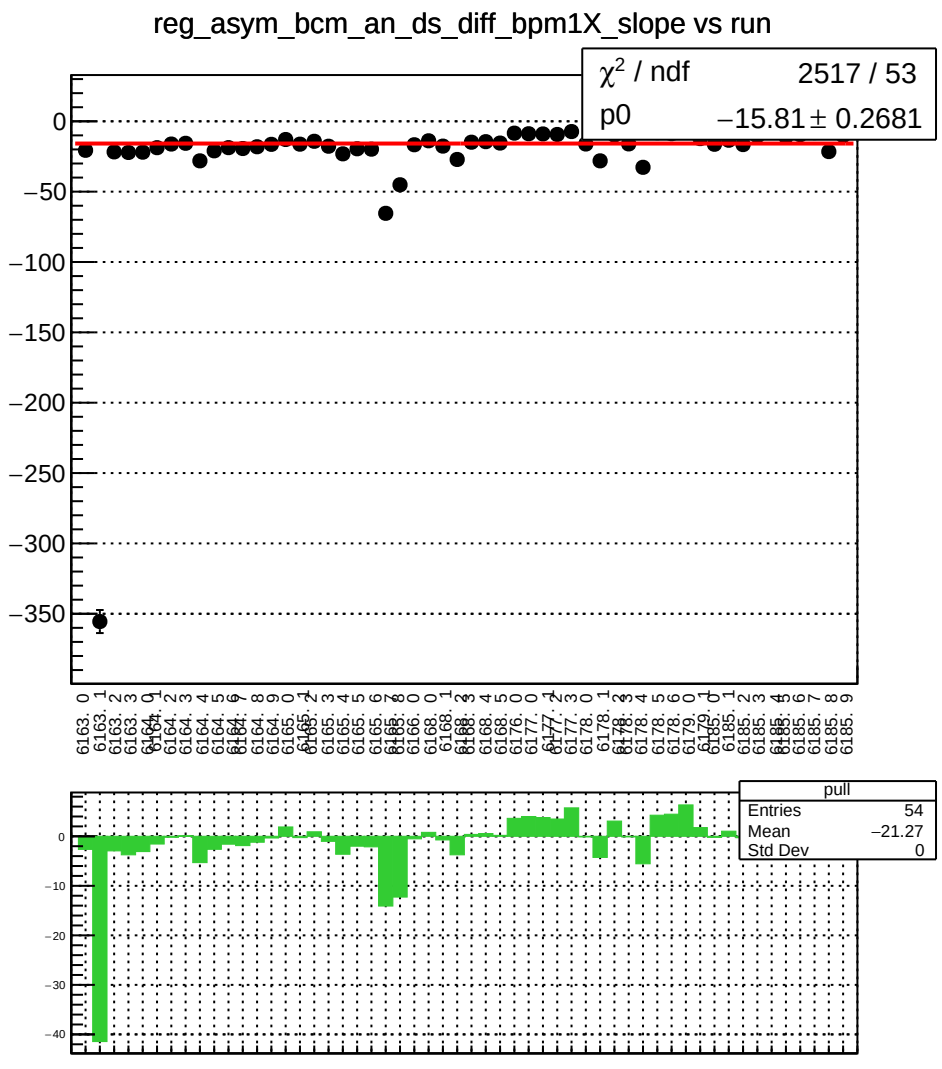

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 2600 / 53
p0 18.02 ± 0.3143
pull
Entries 54
Mean −19.64
Std Dev 0

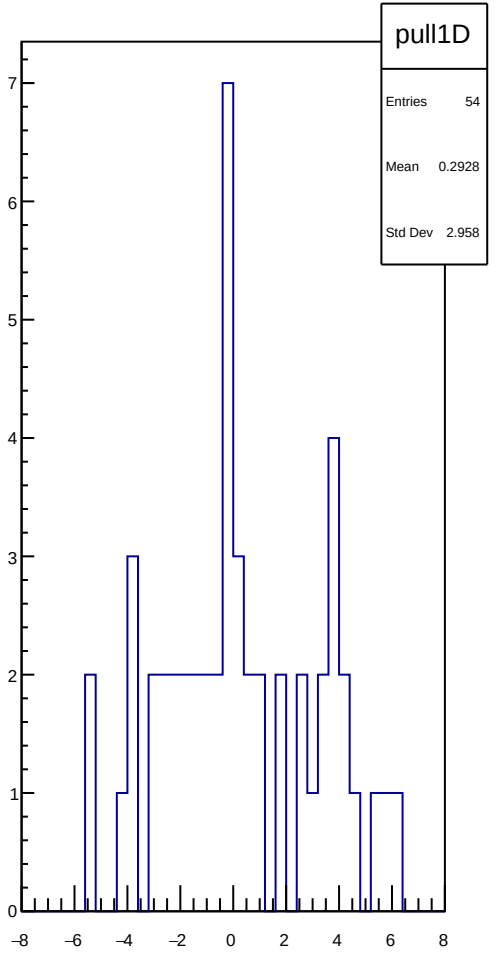

pull1D
Entries 54
Mean −0.1624
Std Dev 3.166

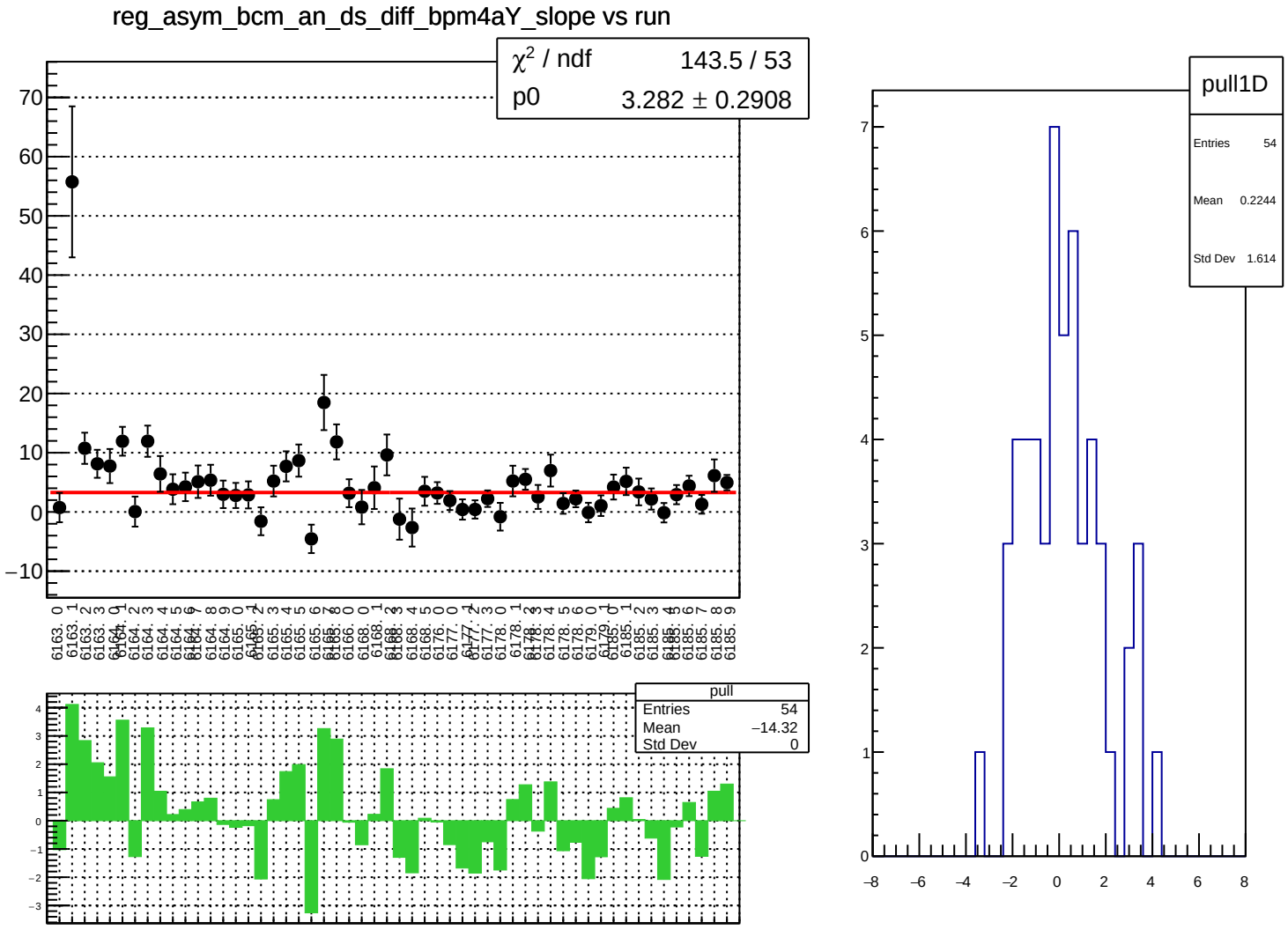

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 193.1 / 53
p0 −4.329 ± 0.327
pull
Entries 54
Mean −16.41
Std Dev 0
pull1D
Entries 54
Mean −0.2559
Std Dev 1.874

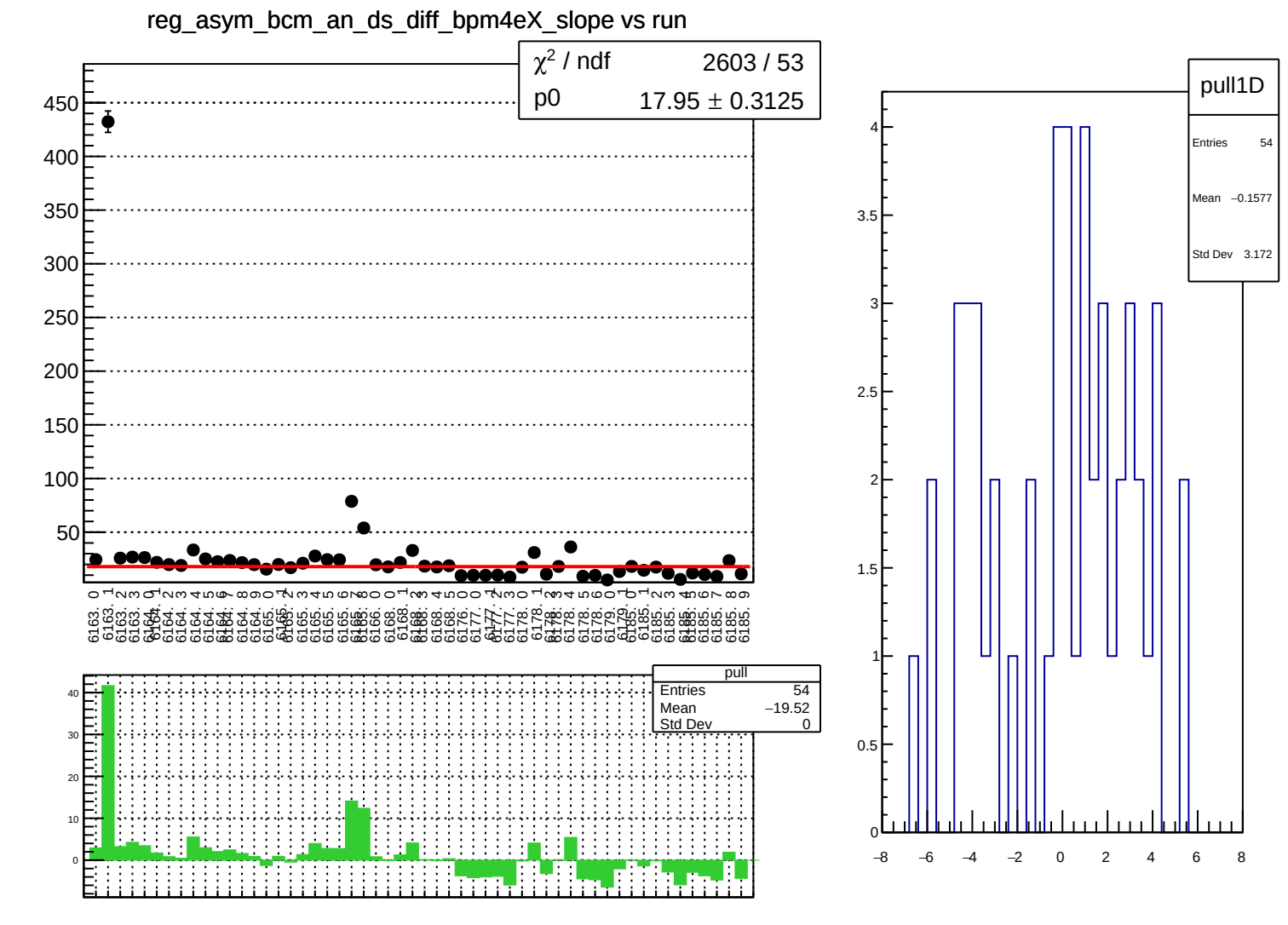

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ² / ndf 1219 / 53
p0 −0.9925 ± 0.02562
pull
Entries 54
Mean −29.78
Std Dev 0

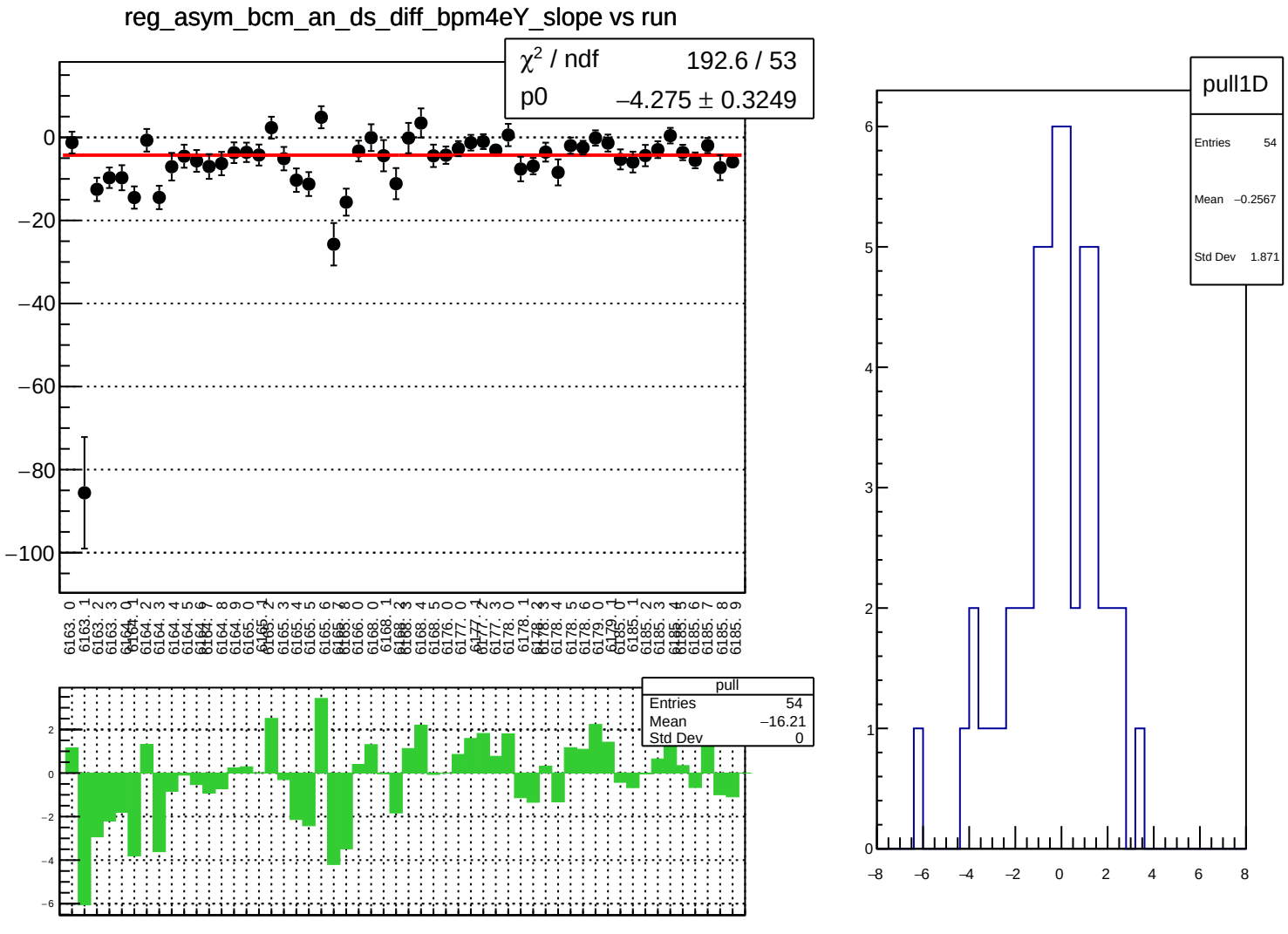

pull1D
Entries 54
Mean 0.06598
Std Dev 2.823

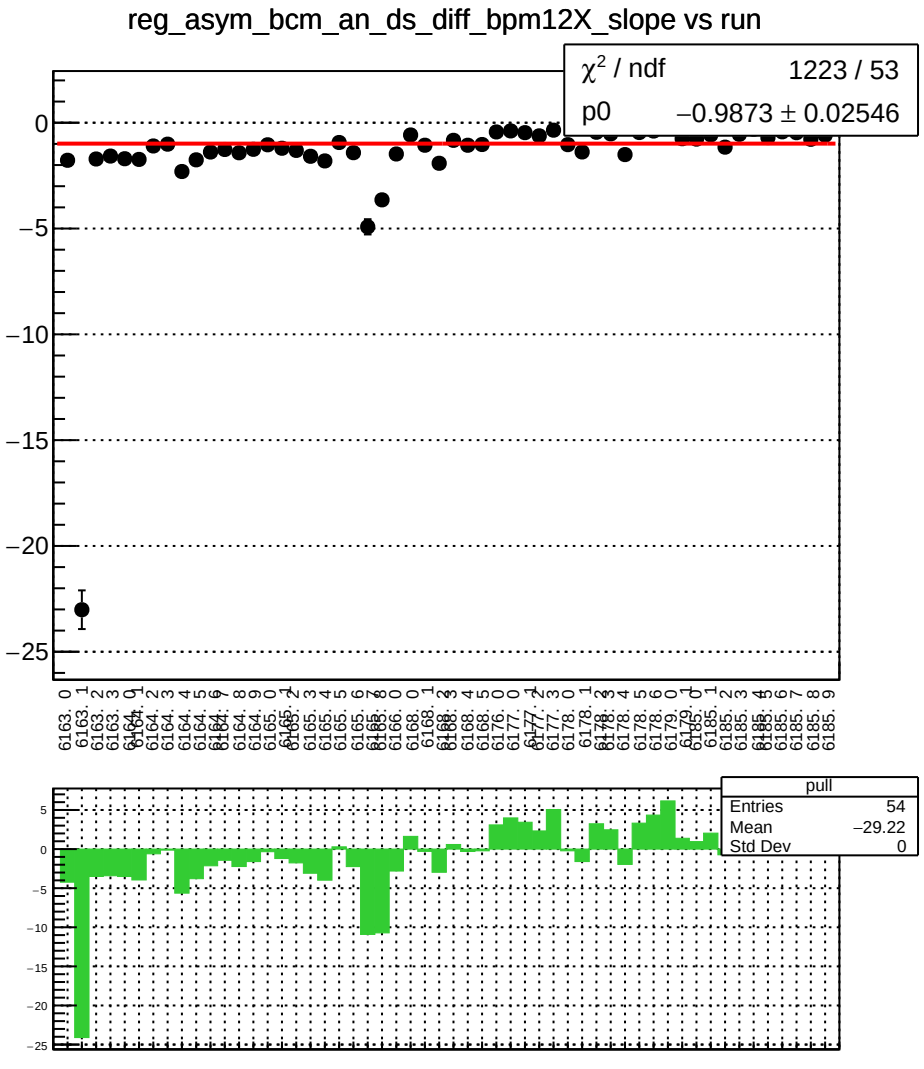

reg_asym_bcm_an_ds_diff_bpm1X_slope vs run
χ² / ndf 2517 / 53
p0 −15.81 ± 0.2681
pull
Entries 54
Mean −21.27
Std Dev 0

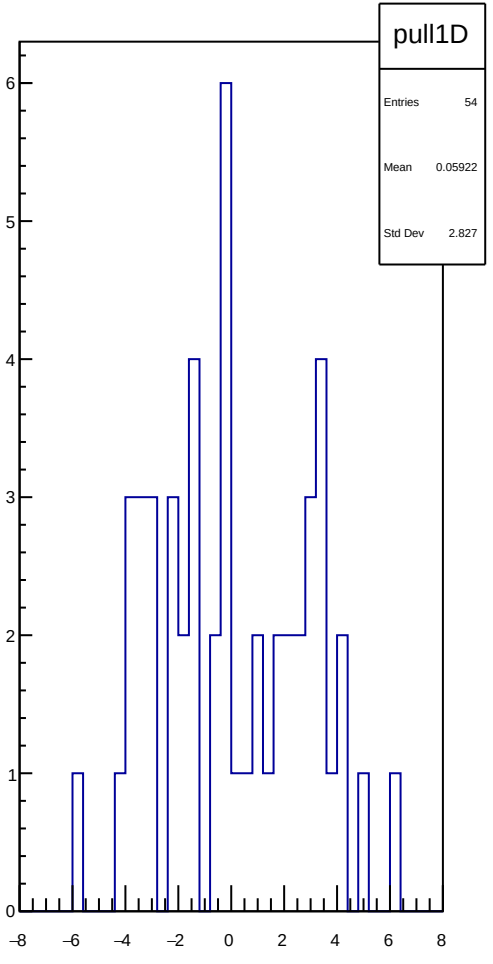

pull1D
Entries 54
Mean 0.2928
Std Dev 2.958

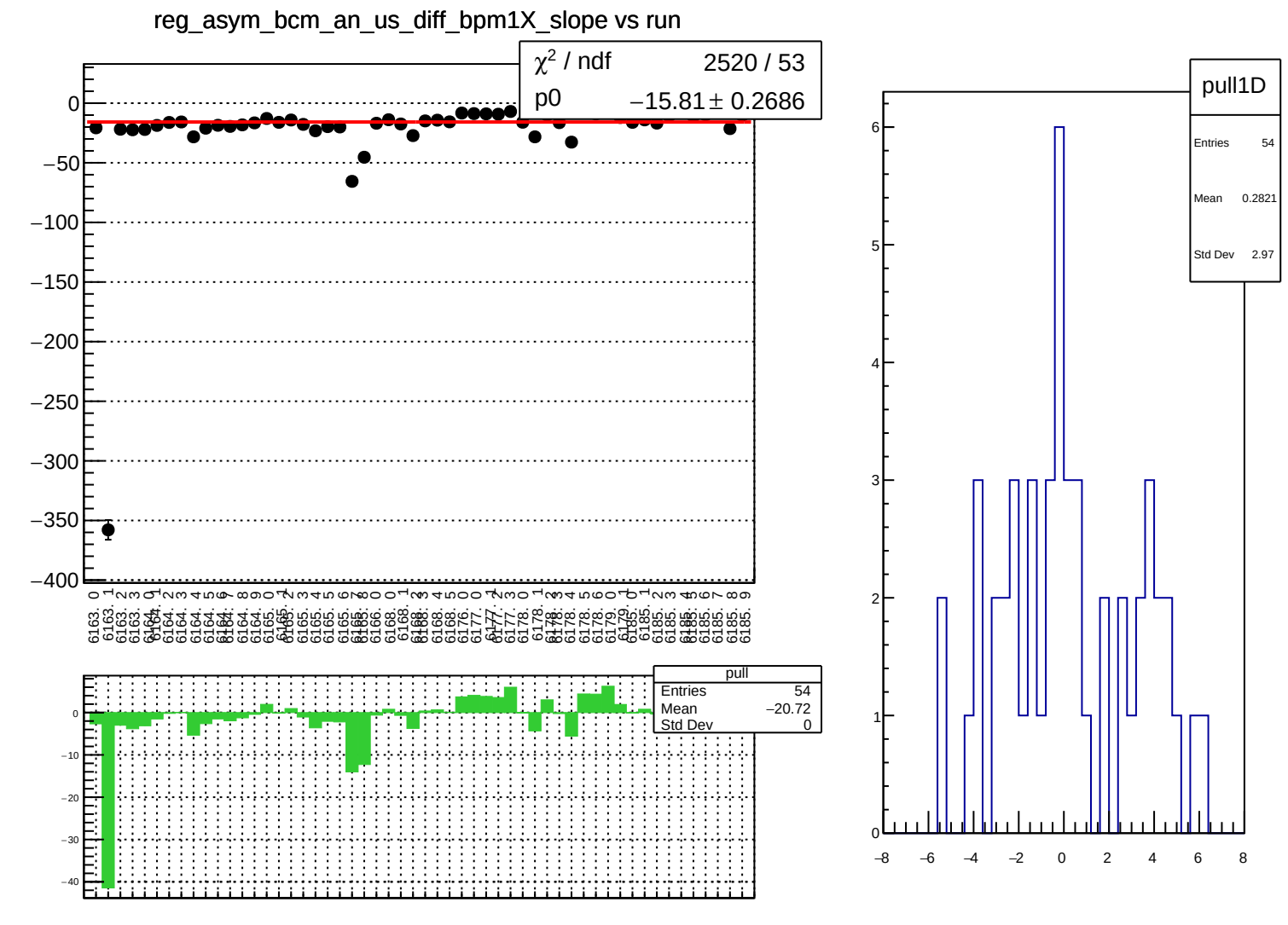

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 143.5 / 53
p0 3.282 ± 0.2908
pull
Entries 54
Mean −14.32
Std Dev 0
pull1D
Entries 54
Mean 0.2244
Std Dev 1.614

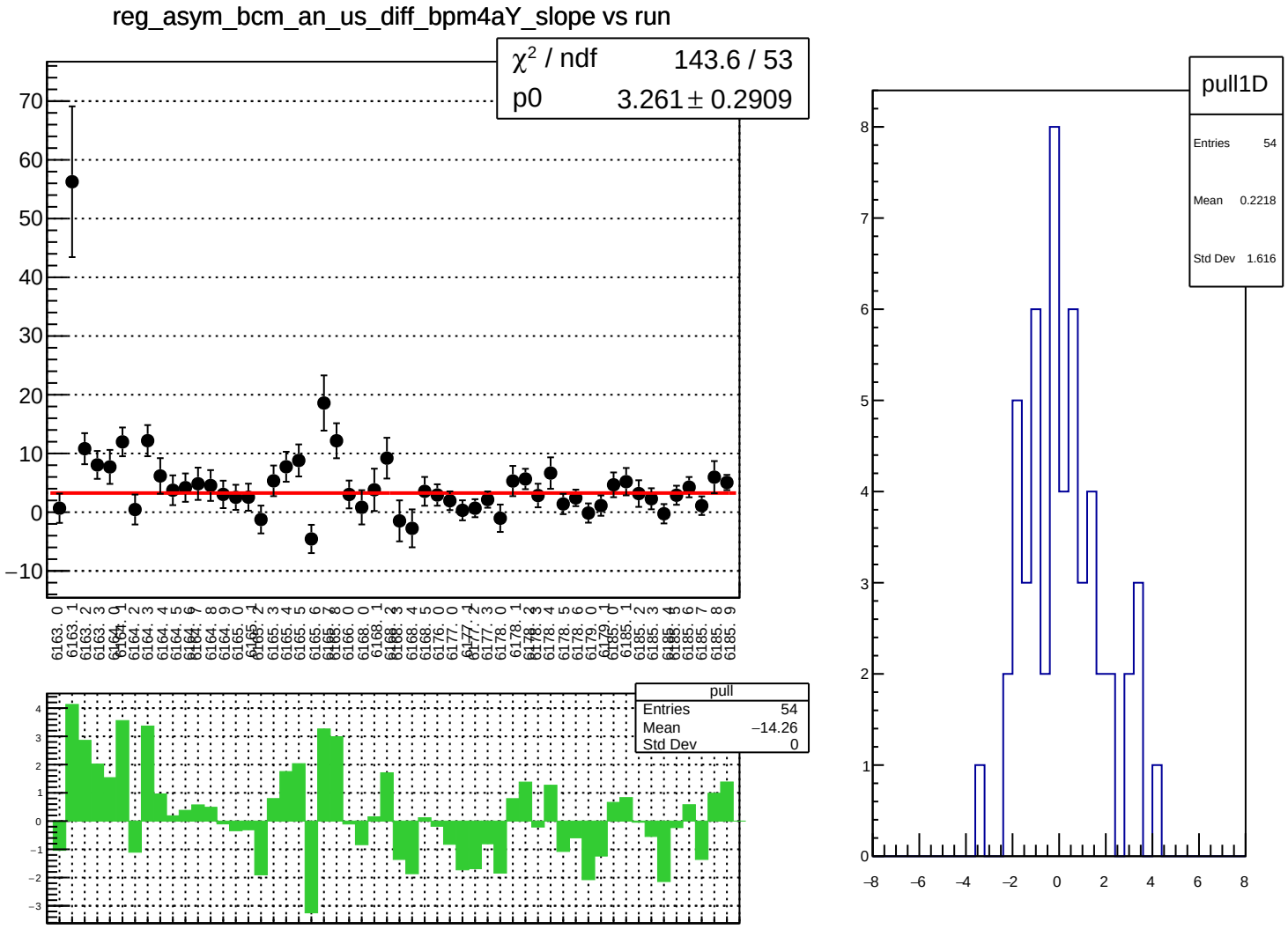

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 2603 / 53
p0 17.95 ± 0.3125
pull
Entries 54
Mean −19.52
Std Dev 0
pull1D
Entries 54
Mean −0.1577
Std Dev 3.172

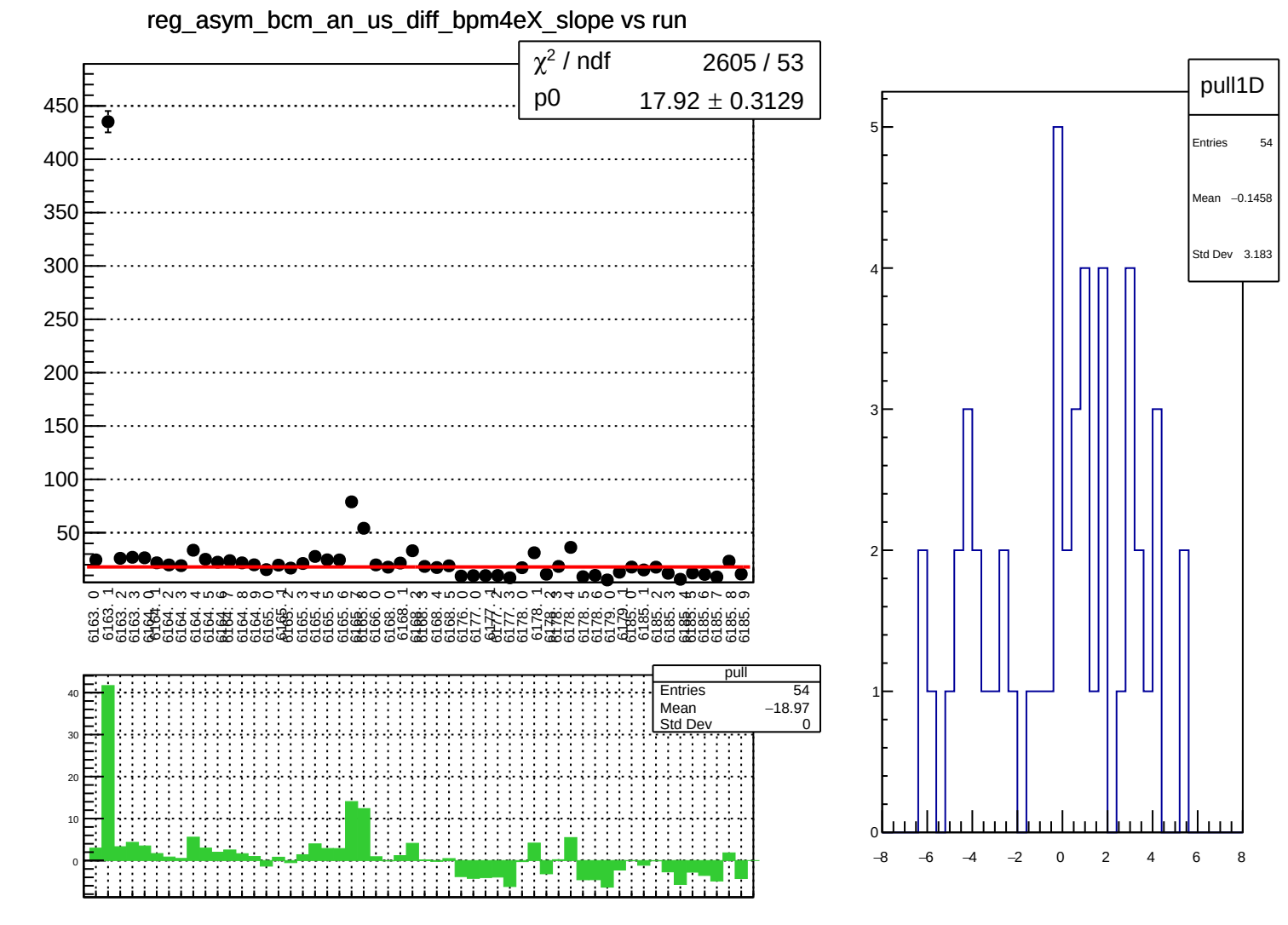

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 192.6 / 53
p0 −4.275 ± 0.3249
pull
Entries 54
Mean −16.21
Std Dev 0
pull1D
Entries 54
Mean −0.2567
Std Dev 1.871

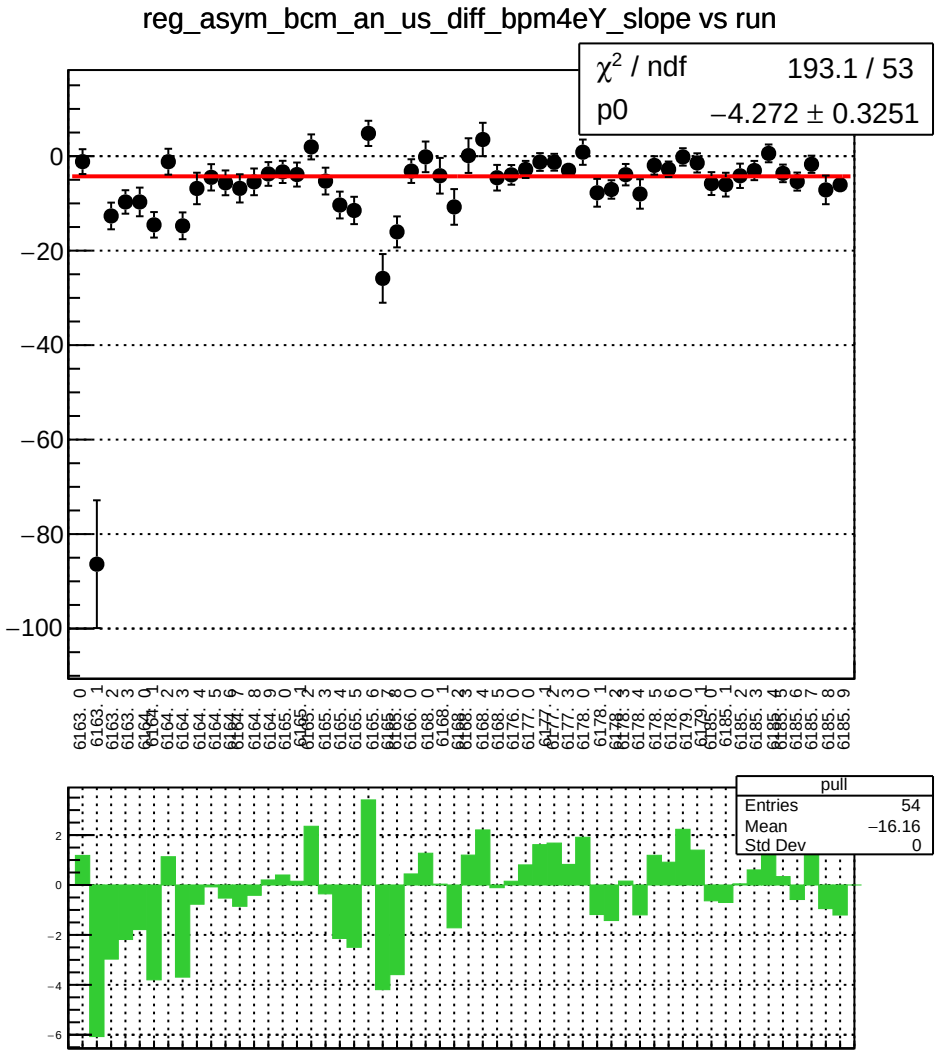

reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ² / ndf 1223 / 53
p0 −0.9873 ± 0.02546
pull
Entries 54
Mean −29.22
Std Dev 0

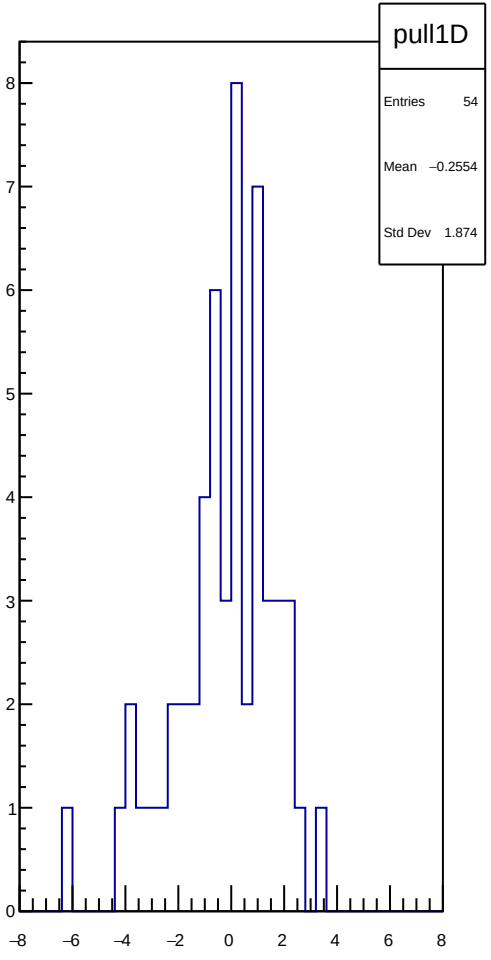

pull1D
Entries 54
Mean 0.05922
Std Dev 2.827

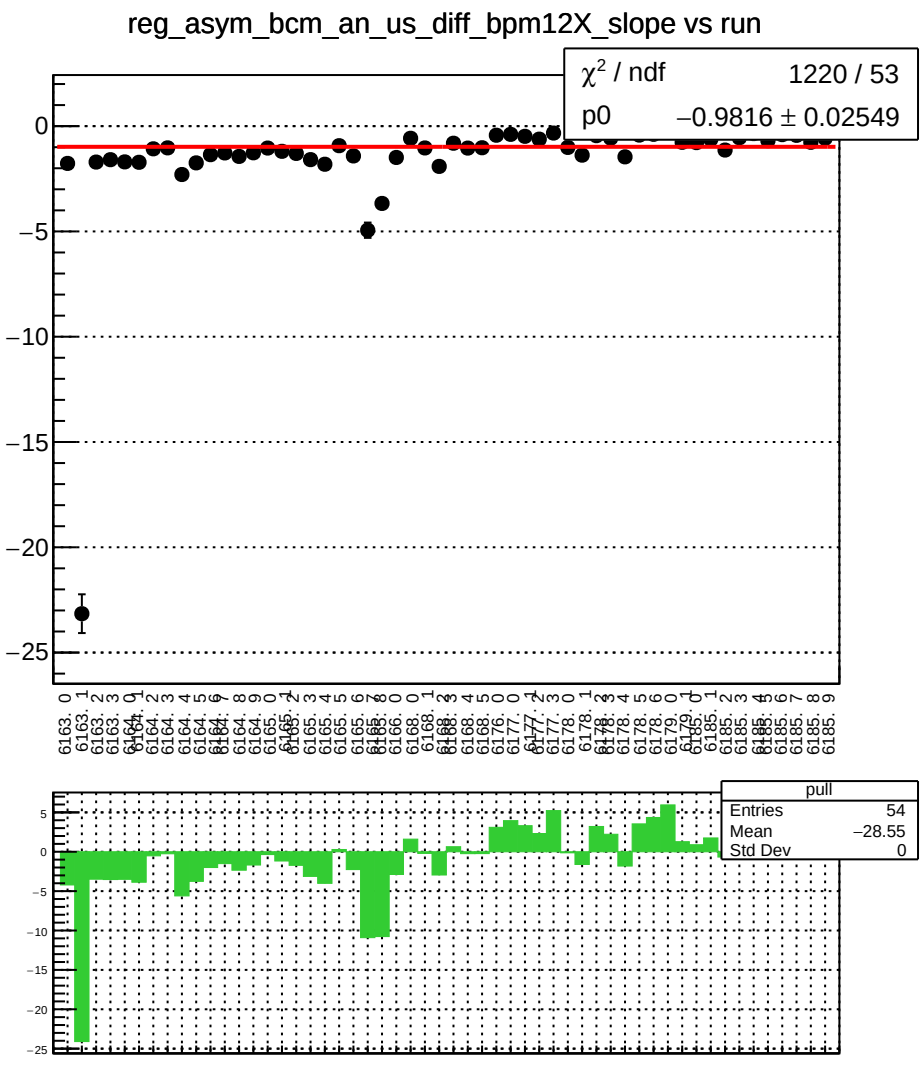

reg_asym_bcm_an_us_diff_bpm1X_slope vs run
χ² / ndf 2520 / 53
p0 −15.81 ± 0.2686
pull
Entries 54
Mean −20.72
Std Dev 0
pull1D
Entries 54
Mean 0.2821
Std Dev 2.97

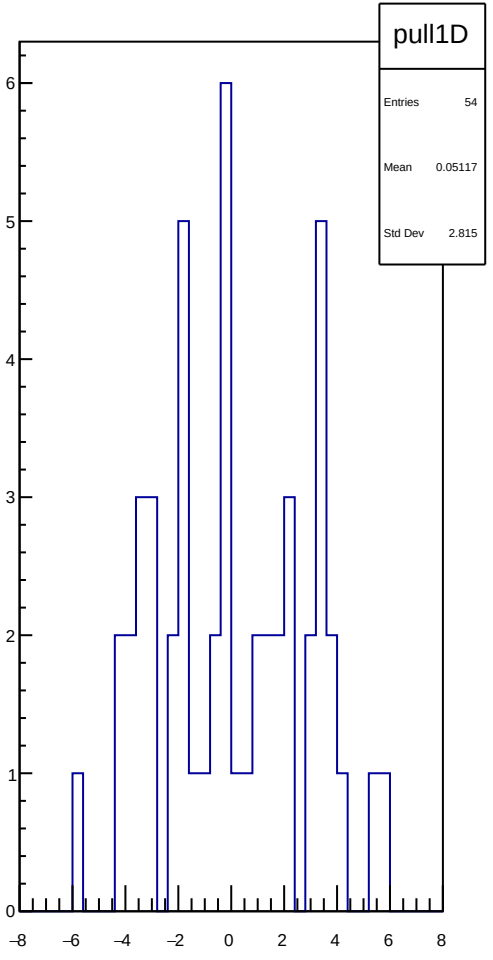

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 143.6 / 53
p0 3.261 ± 0.2909
pull
Entries 54
Mean −14.26
Std Dev 0
pull1D
Entries 54
Mean 0.2218
Std Dev 1.616

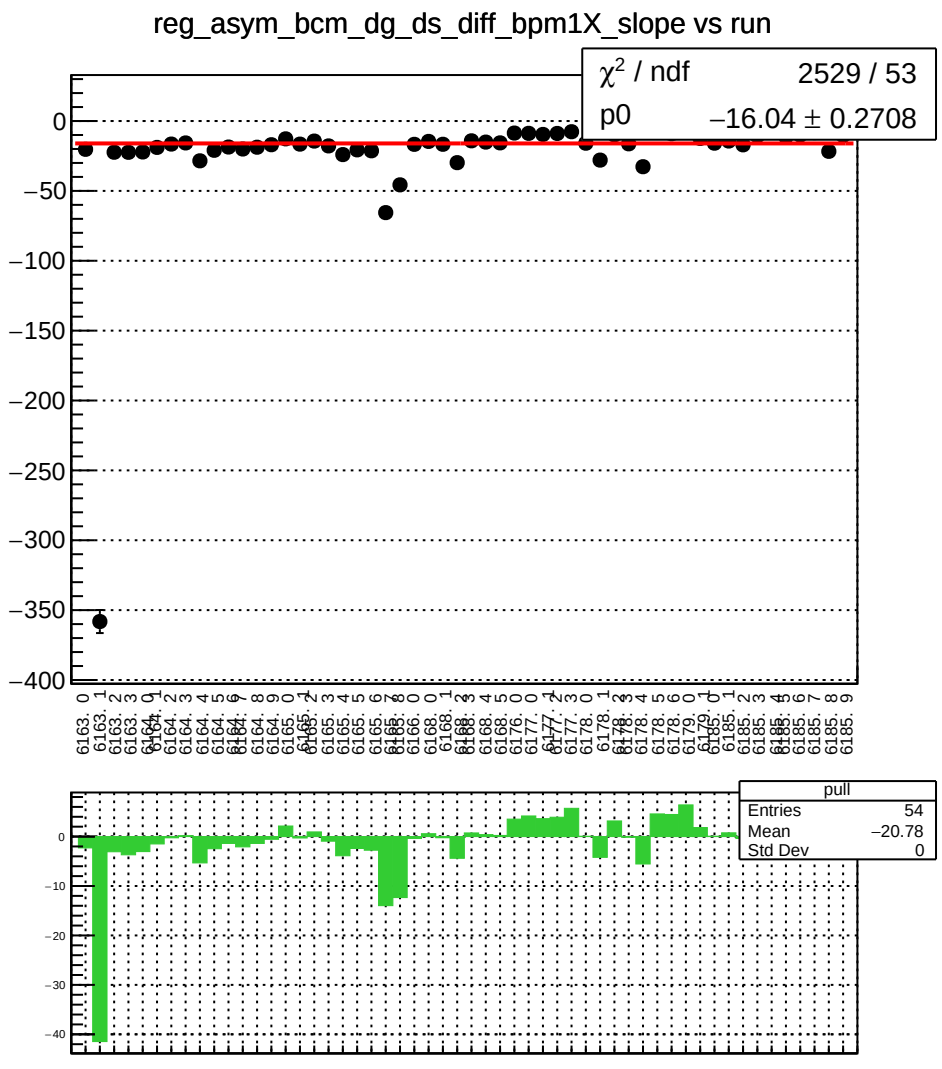

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 2605 / 53
p0 17.92 ± 0.3129
pull
Entries 54
Mean −18.97
Std Dev 0
pull1D
Entries 54
Mean −0.1458
Std Dev 3.183

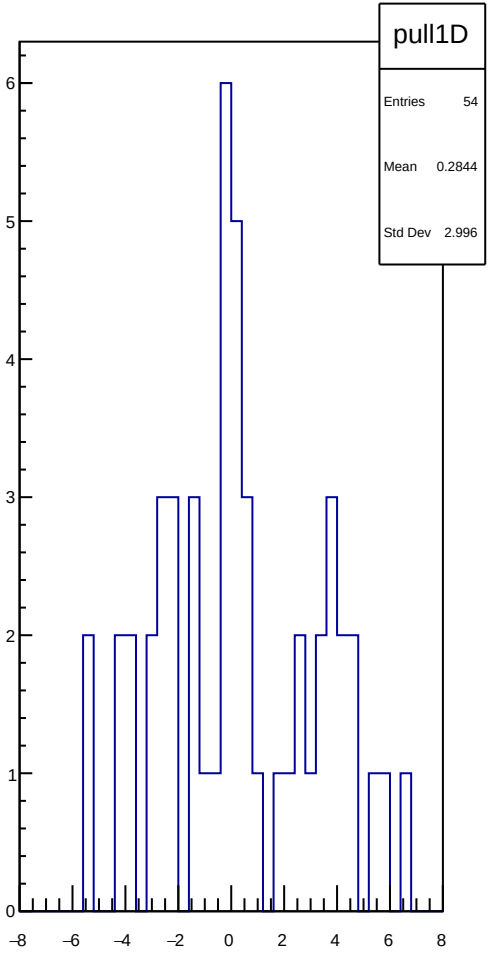

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 193.1 / 53
p0 −4.272 ± 0.3251
pull
Entries 54
Mean −16.16
Std Dev 0

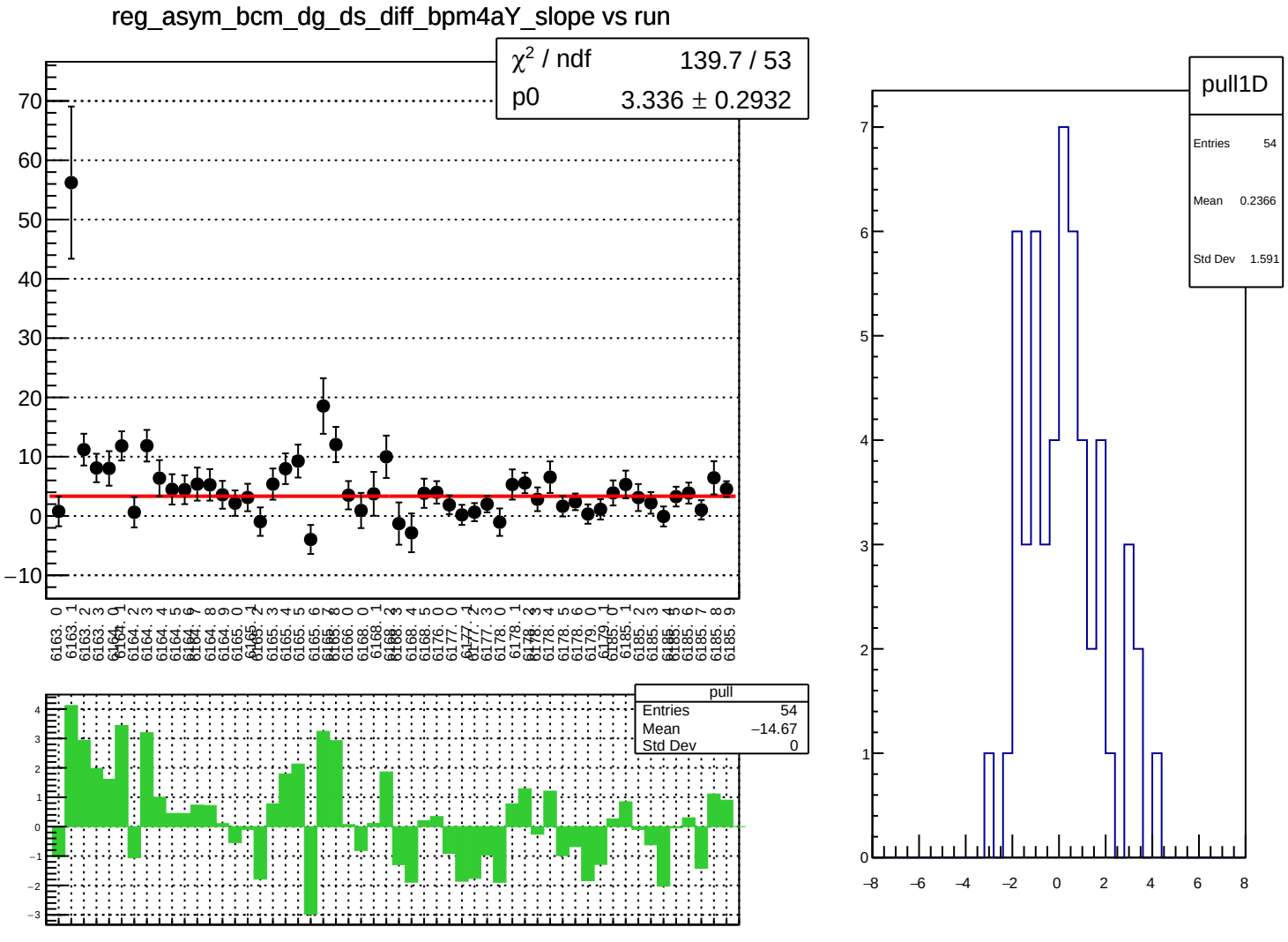

pull1D
Entries 54
Mean −0.2554
Std Dev 1.874

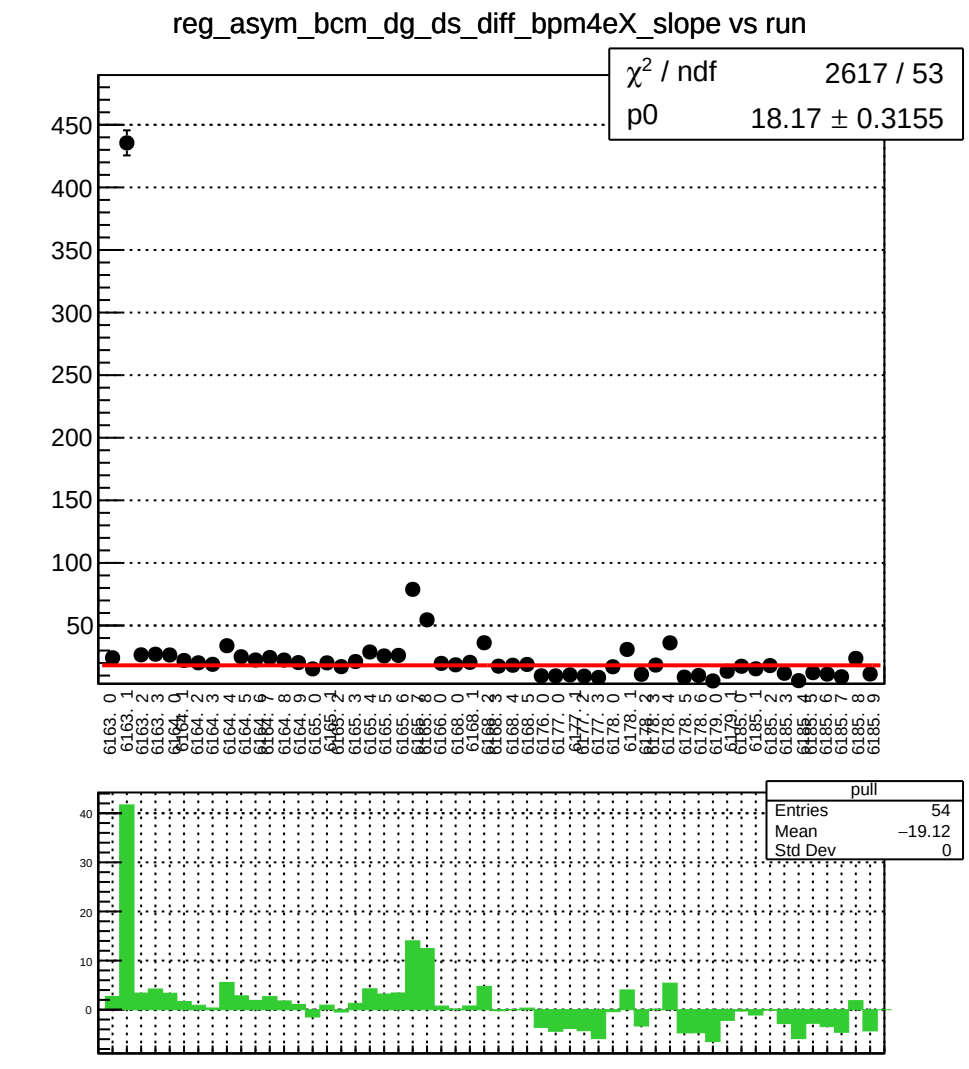

reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ² / ndf 1220 / 53
p0 −0.9816 ± 0.02549
pull
Entries 54
Mean −28.55
Std Dev 0

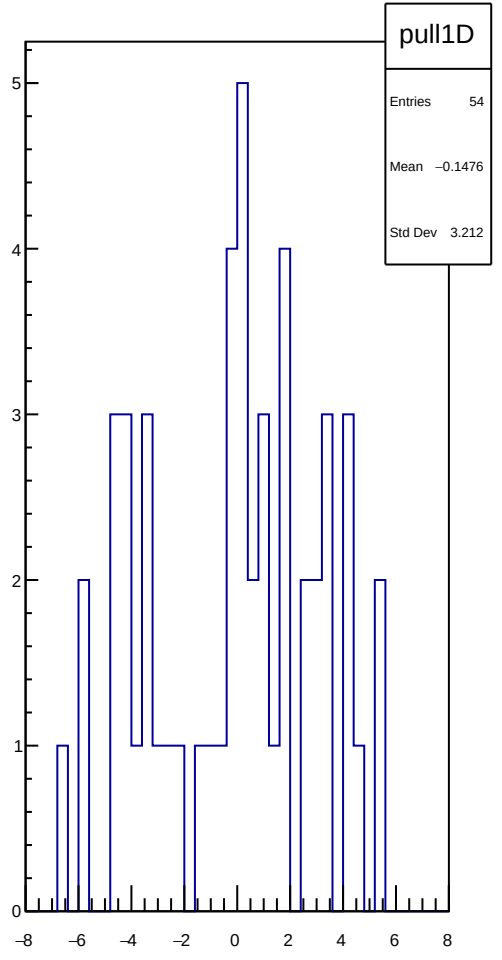

pull1D
Entries 54
Mean 0.05117
Std Dev 2.815

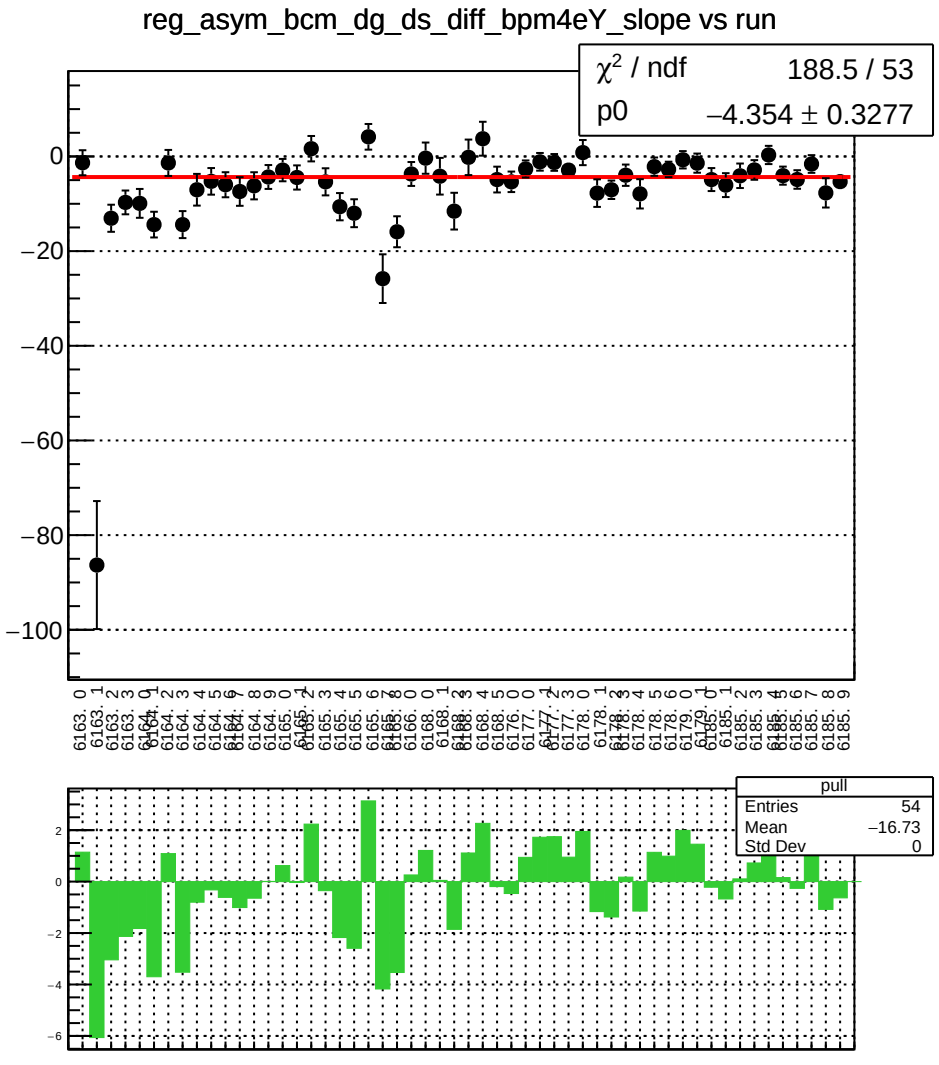

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs run
χ² / ndf 2529 / 53
p0 −16.04 ± 0.2708
pull
Entries 54
Mean −20.78
Std Dev 0

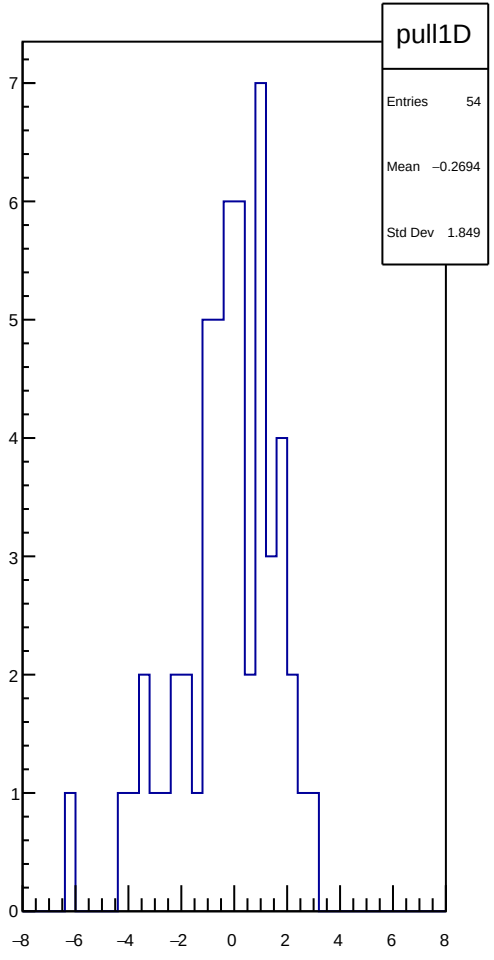

pull1D
Entries 54
Mean 0.2844
Std Dev 2.996

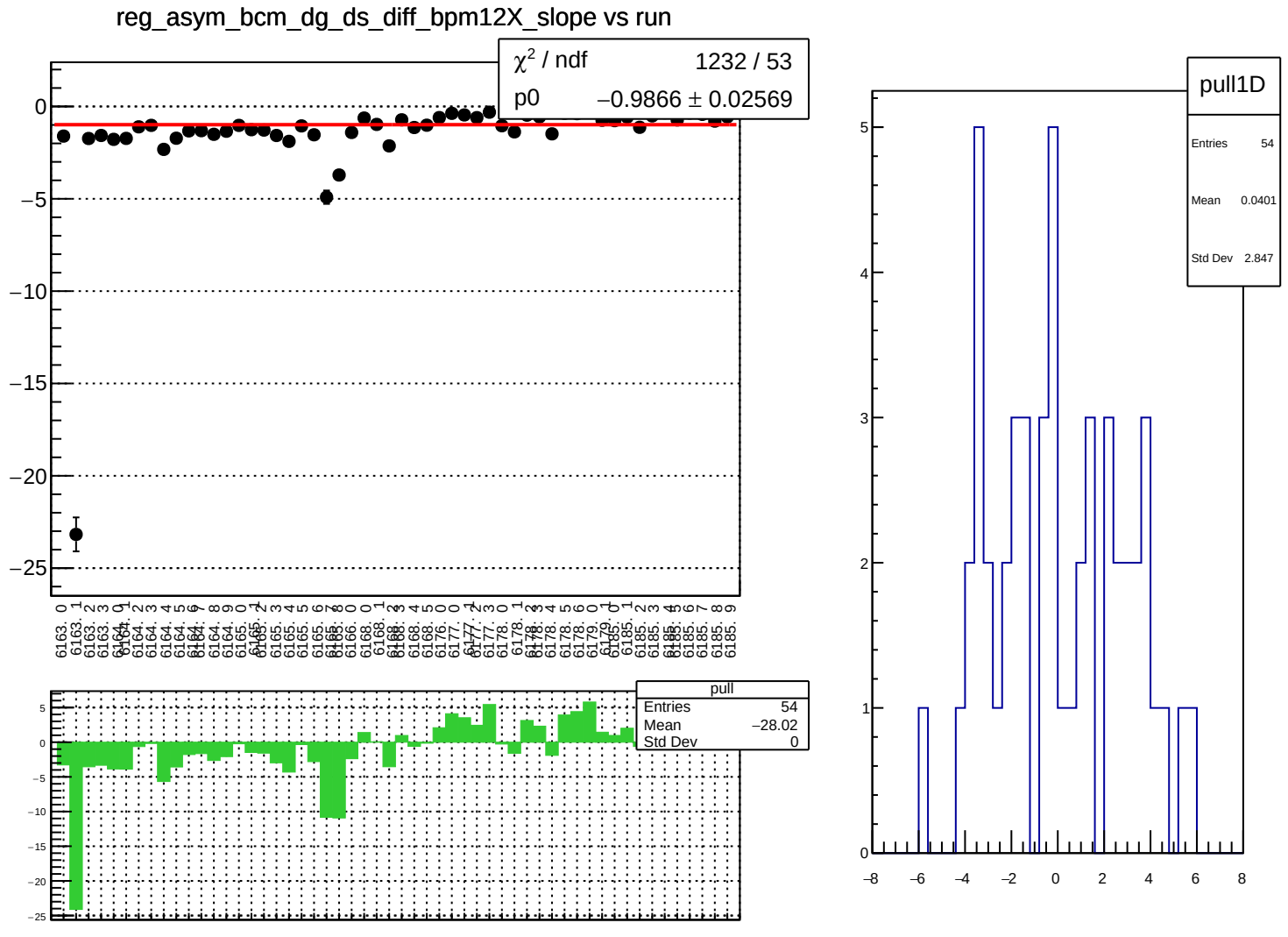

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 139.7 / 53
p0 3.336 ± 0.2932
pull
Entries 54
Mean −14.67
Std Dev 0
pull1D
Entries 54
Mean 0.2366
Std Dev 1.591

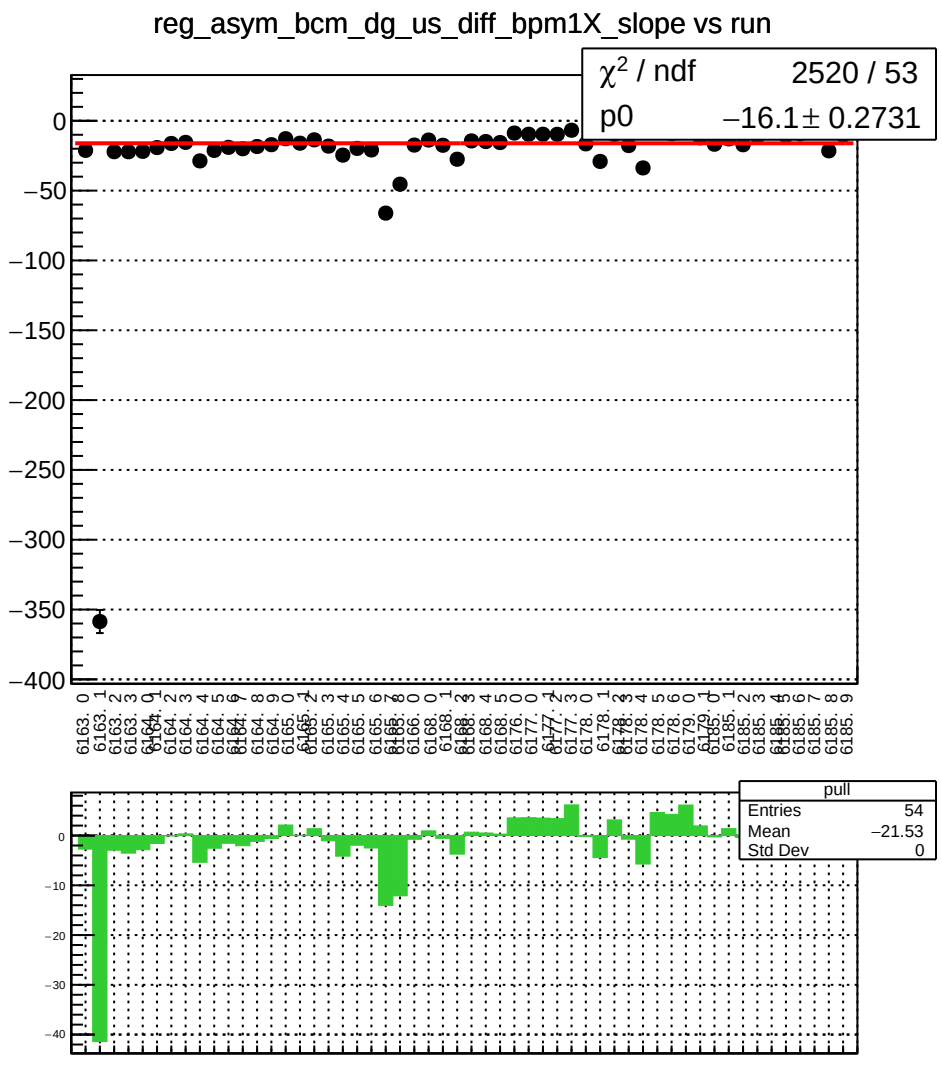

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 2617 / 53
p0 18.17 ± 0.3155
pull
Entries 54
Mean −19.12
Std Dev 0

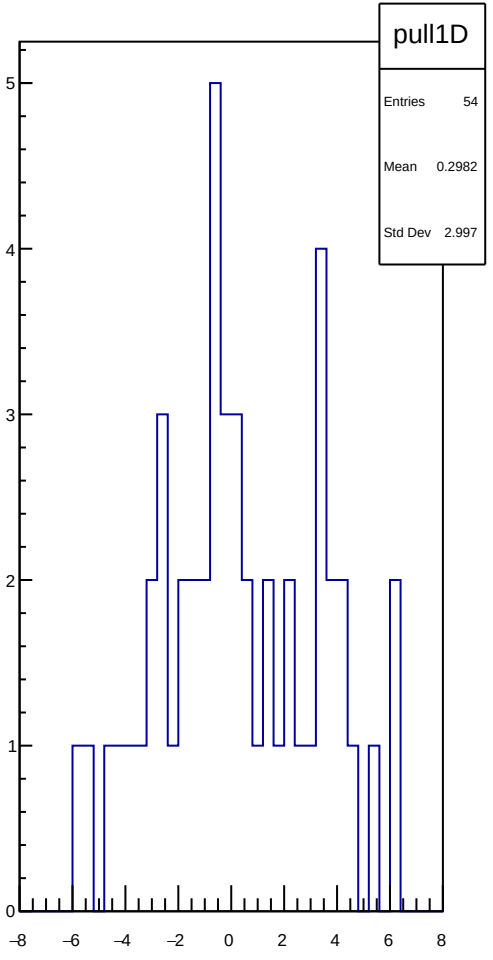

pull1D
Entries 54
Mean −0.1476
Std Dev 3.212

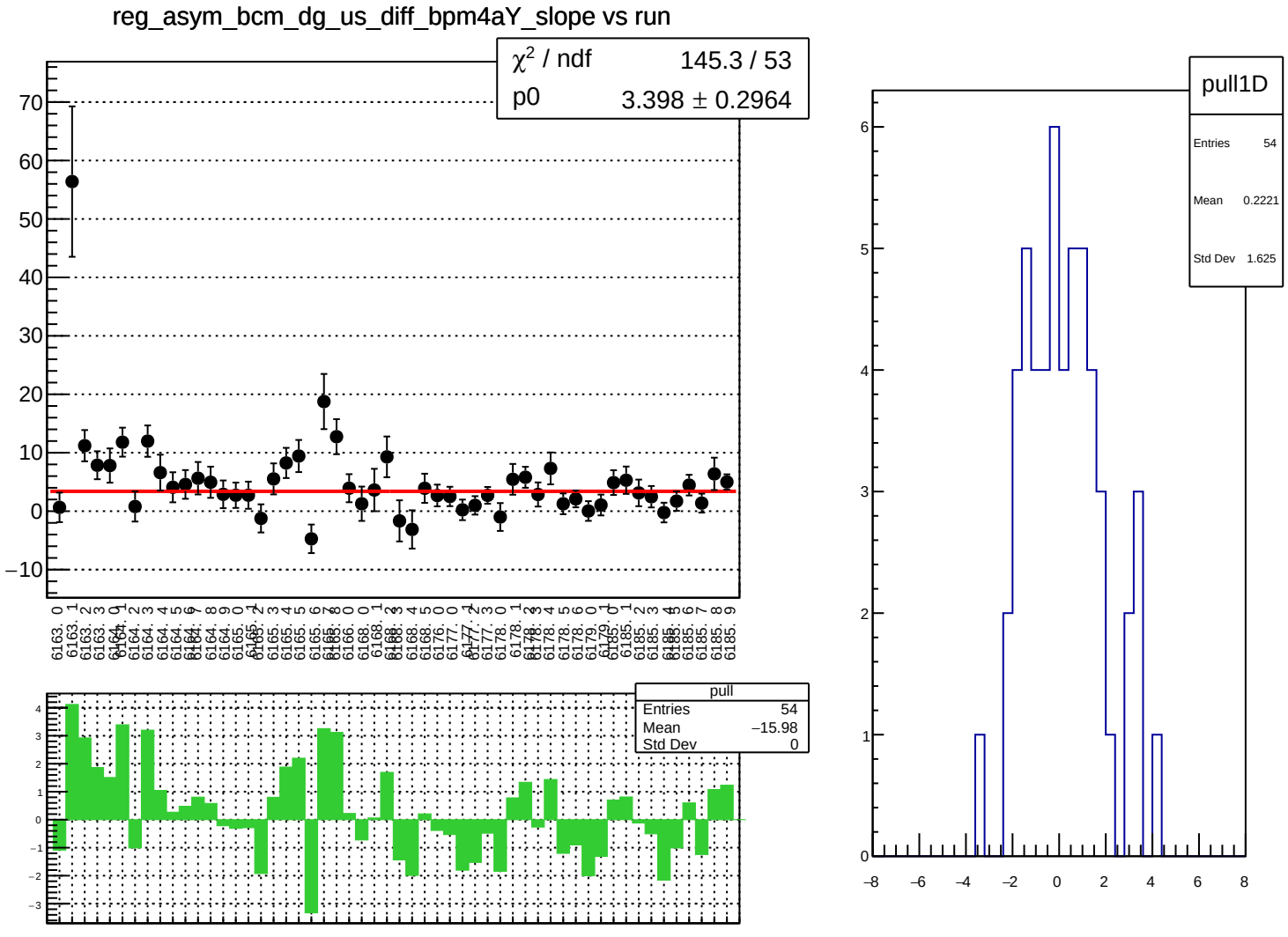

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 188.5 / 53
p0 −4.354 ± 0.3277
pull
Entries 54
Mean −16.73
Std Dev 0

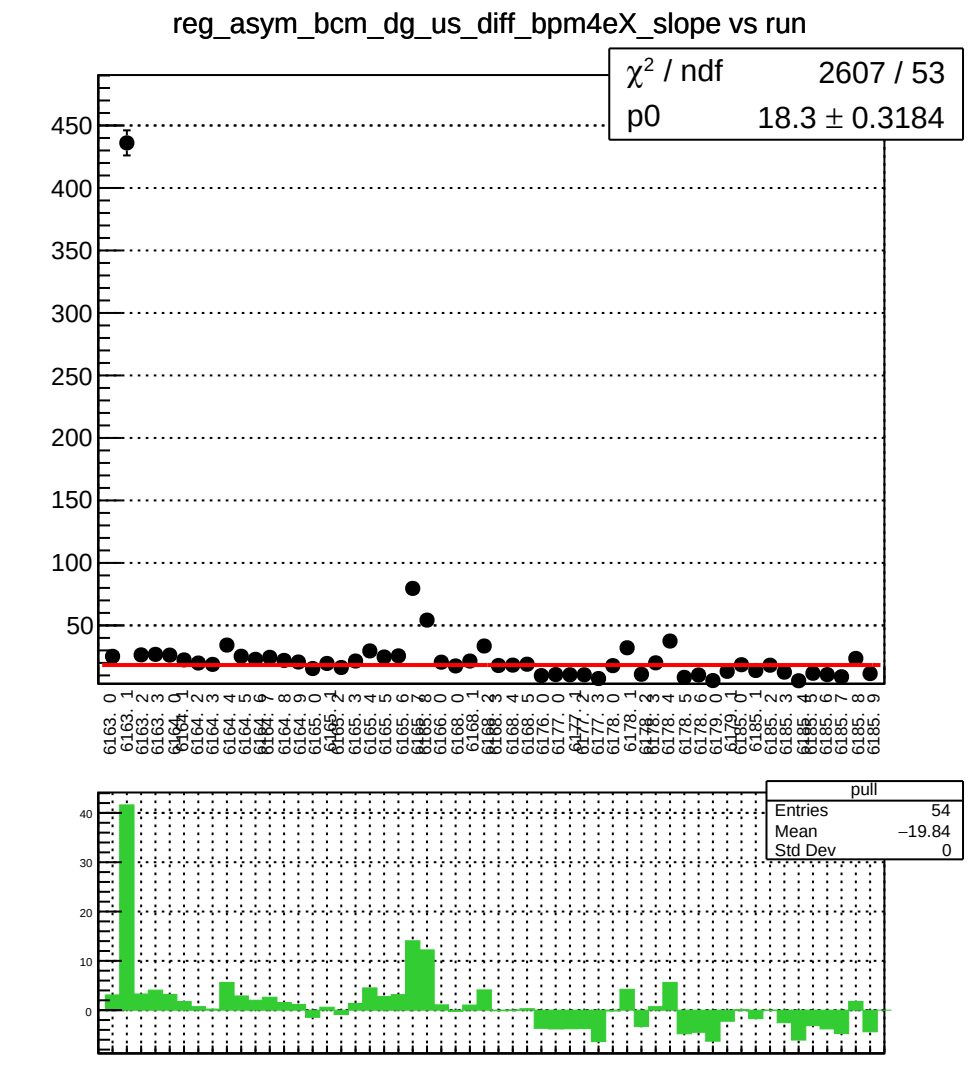

pull1D
Entries 54
Mean −0.2694
Std Dev 1.849

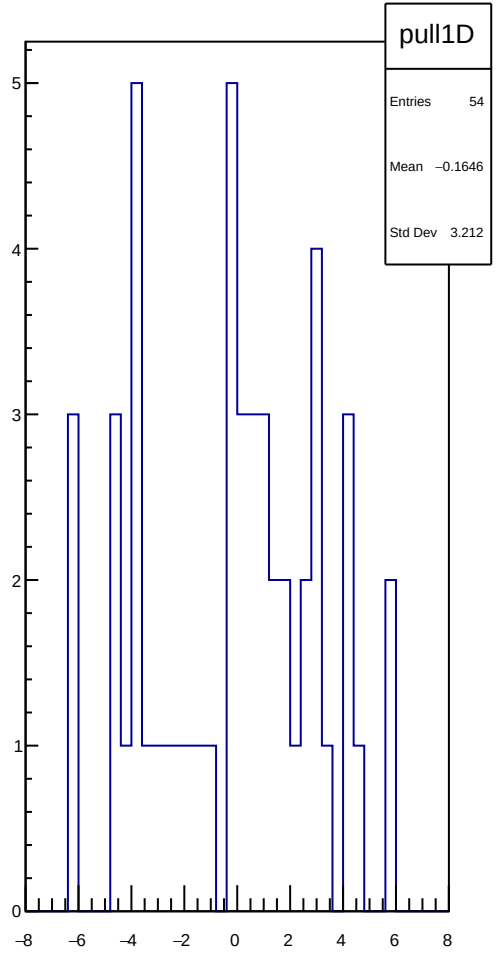

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ² / ndf 1232 / 53
p0 −0.9866 ± 0.02569
pull
Entries 54
Mean −28.02
Std Dev 0
pull1D
Entries 54
Mean 0.0401
Std Dev 2.847

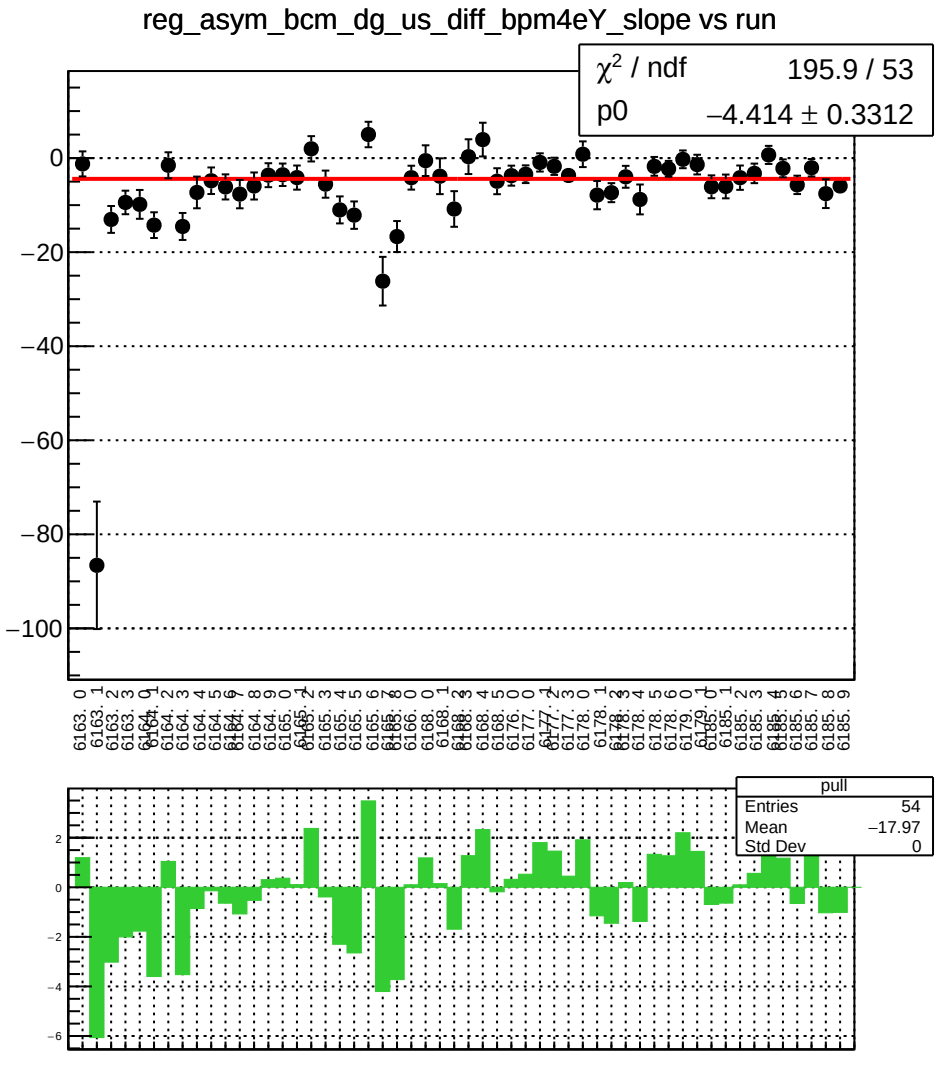

reg_asym_bcm_dg_us_diff_bpm1X_slope vs run
χ² / ndf 2520 / 53
p0 −16.1± 0.2731
pull
Entries 54
Mean −21.53
Std Dev 0

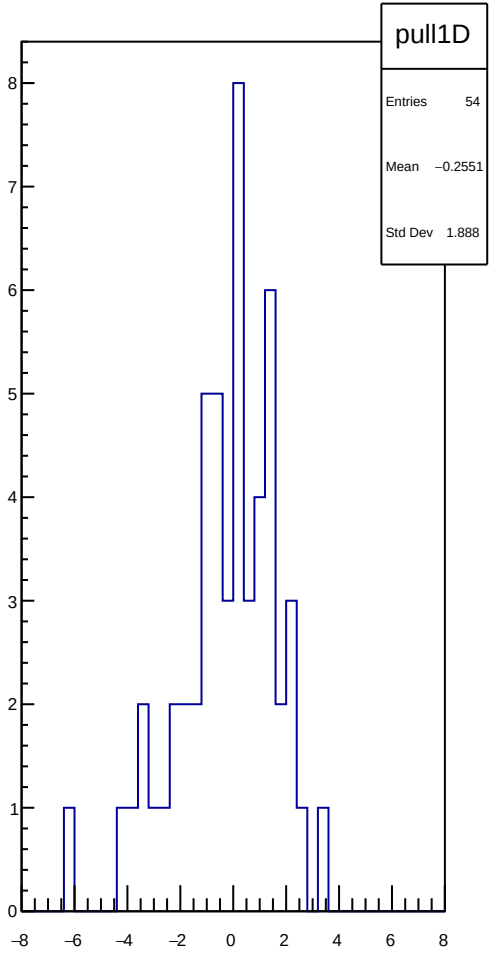

pull1D
Entries 54
Mean 0.2982
Std Dev 2.997

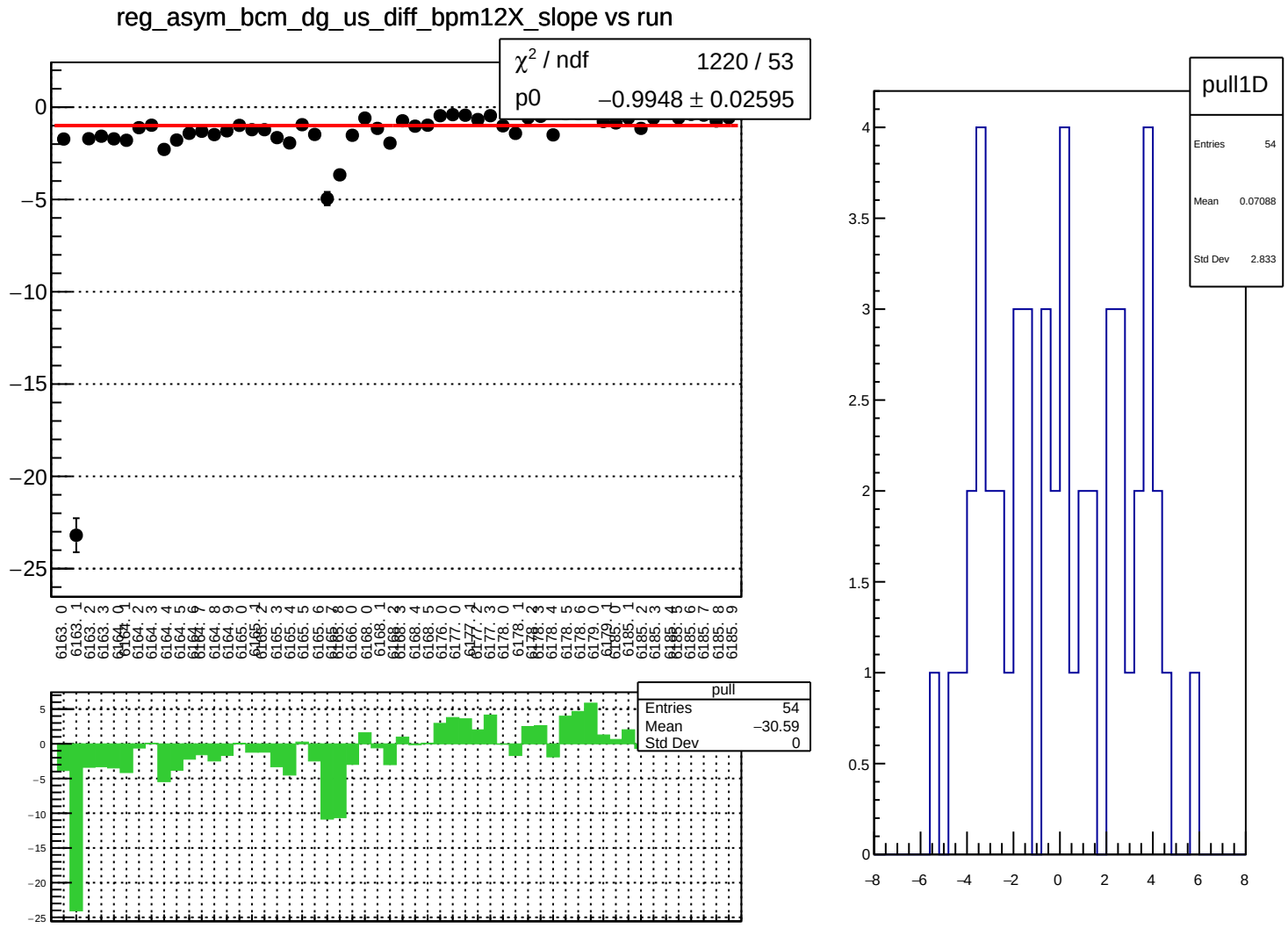

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 145.3 / 53
p0 3.398 ± 0.2964
pull
Entries 54
Mean −15.98
Std Dev 0
pull1D
Entries 54
Mean 0.2221
Std Dev 1.625

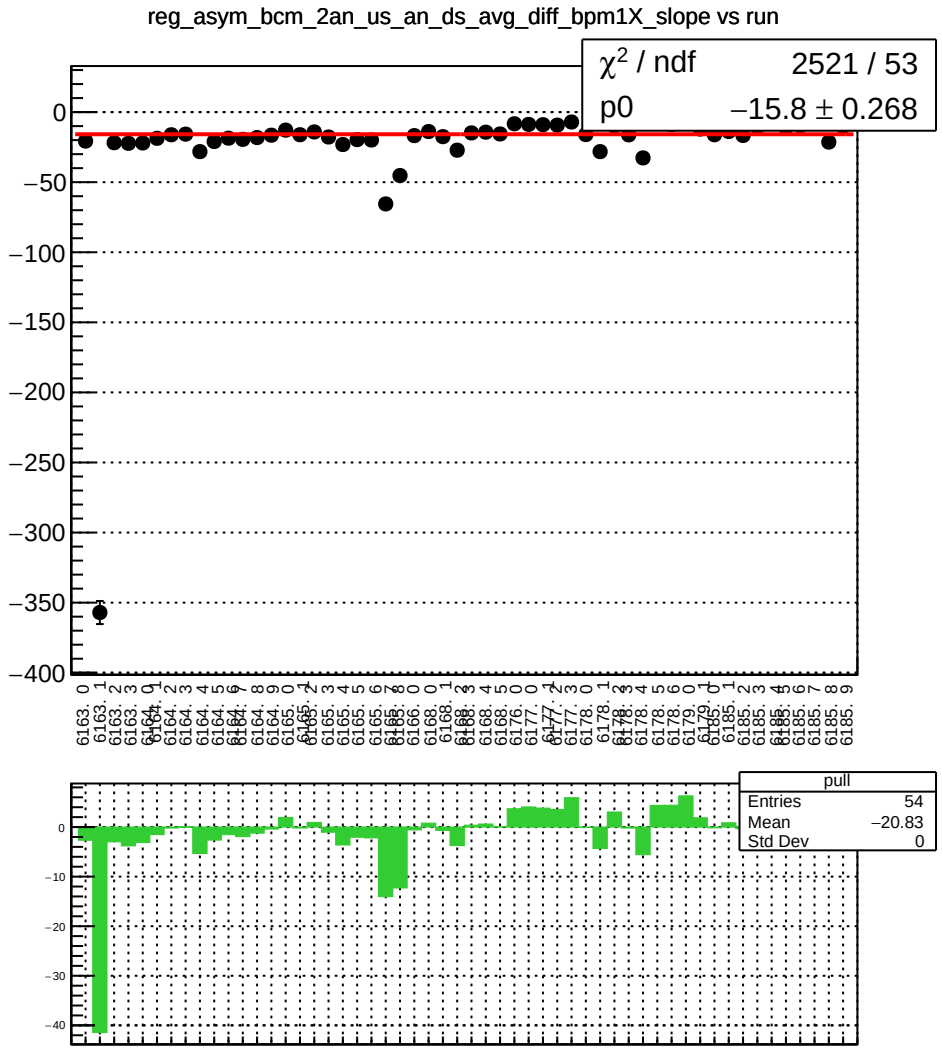

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ² / ndf 2607 / 53
p0 18.3 ± 0.3184
pull
Entries 54
Mean −19.84
Std Dev 0

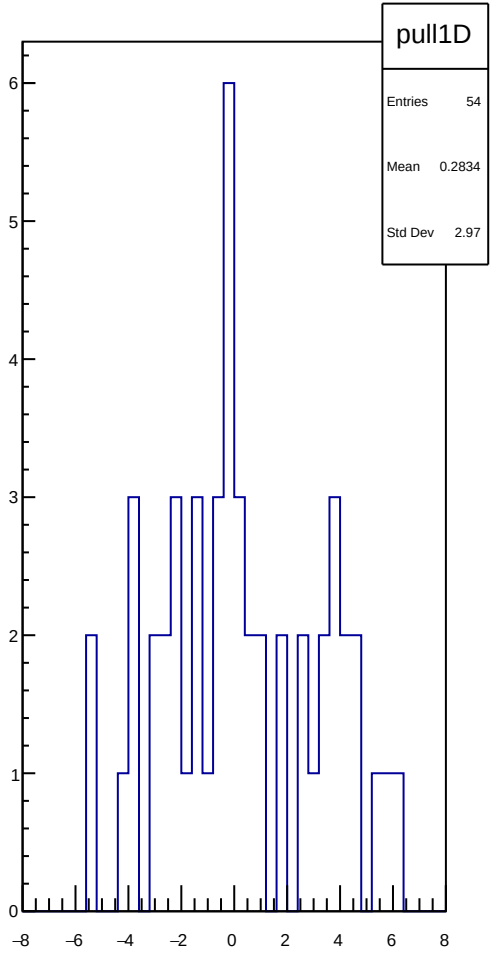

pull1D
Entries 54
Mean −0.1646
Std Dev 3.212

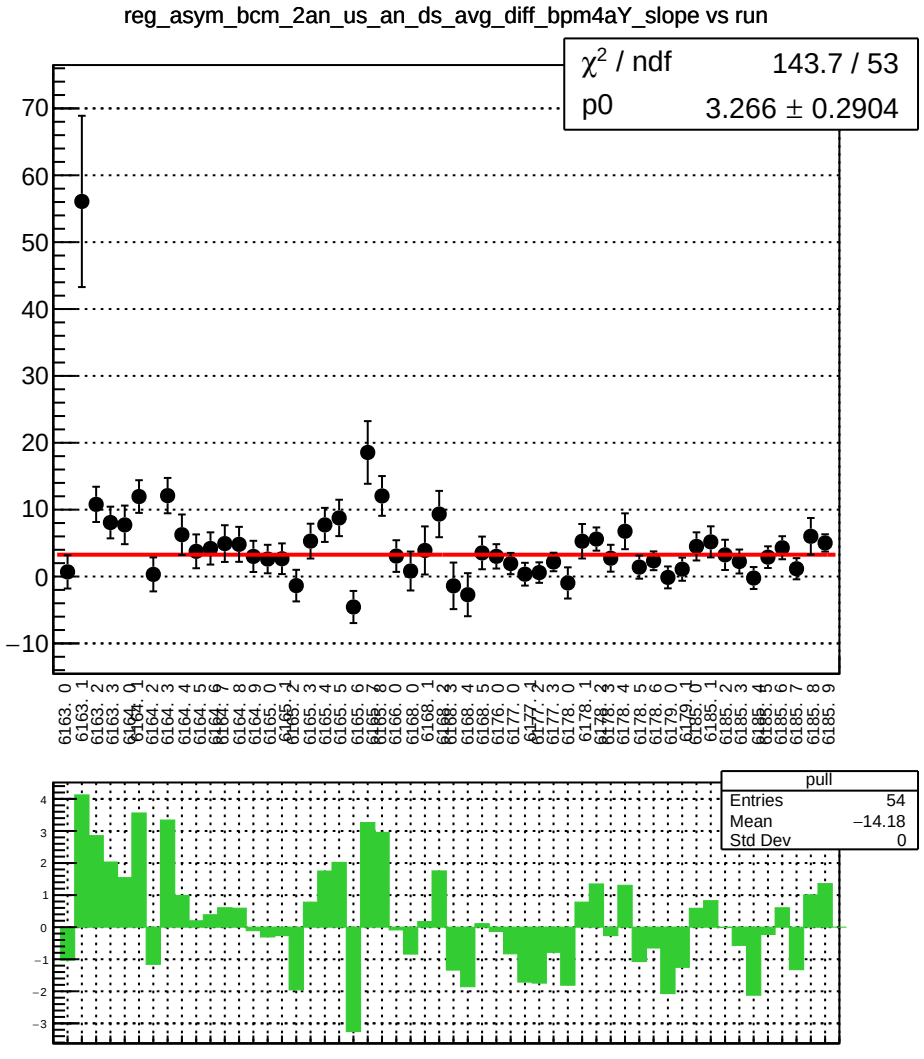

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ² / ndf 195.9 / 53
p0 −4.414 ± 0.3312
pull
Entries 54
Mean −17.97
Std Dev 0

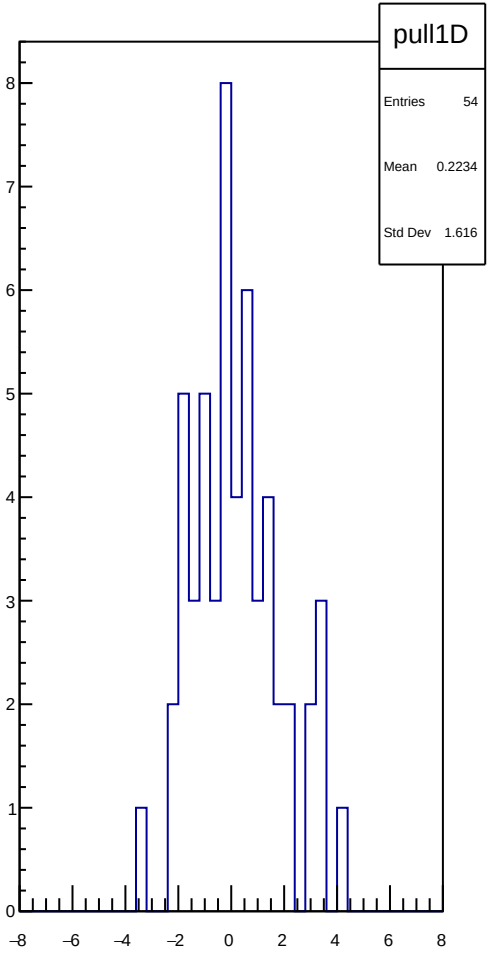

pull1D
Entries 54
Mean −0.2551
Std Dev 1.888

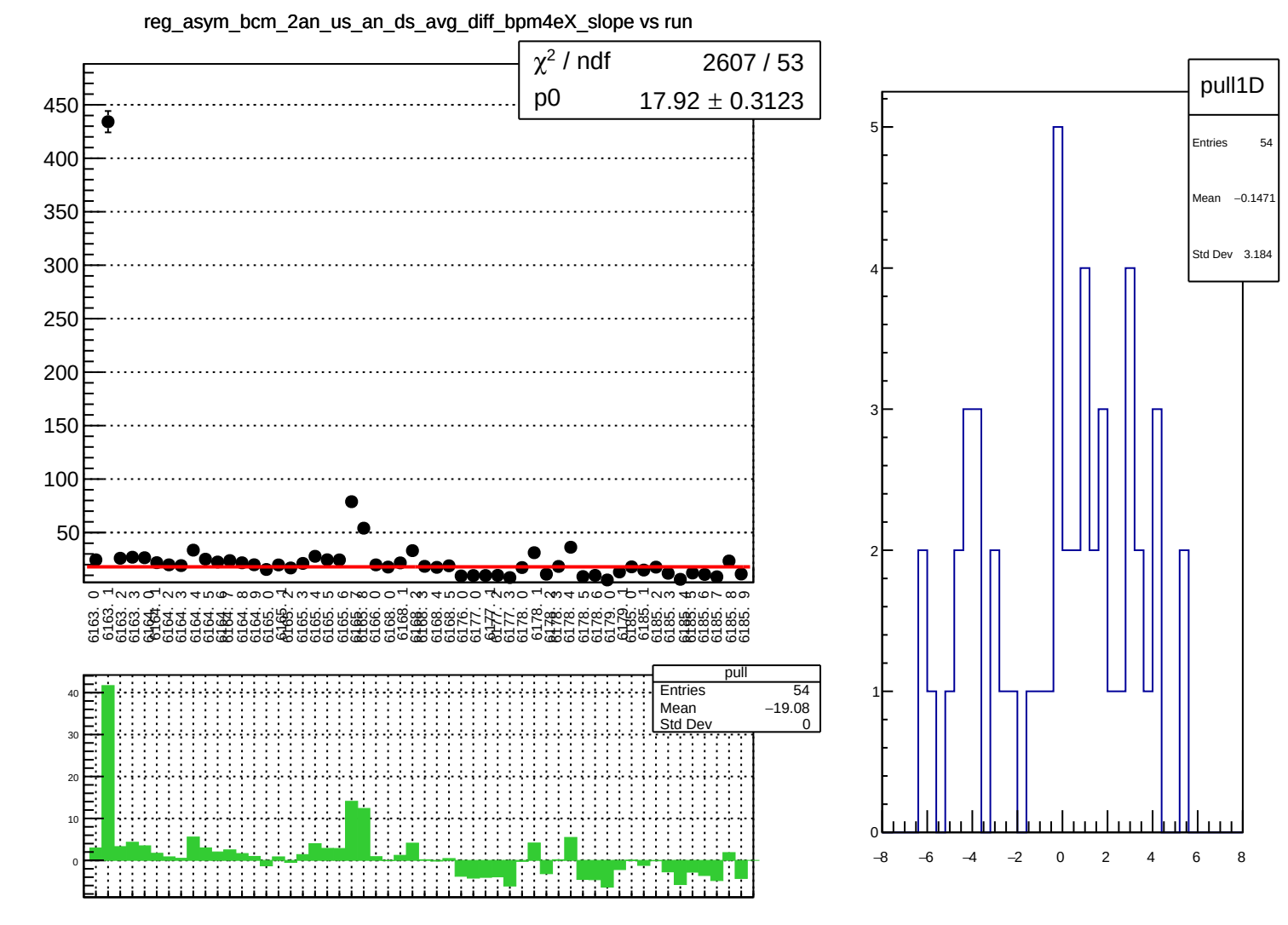

reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
χ² / ndf 1220 / 53
p0 −0.9948 ± 0.02595
pull
Entries 54
Mean −30.59
Std Dev 0
pull1D
Entries 54
Mean 0.07088
Std Dev 2.833

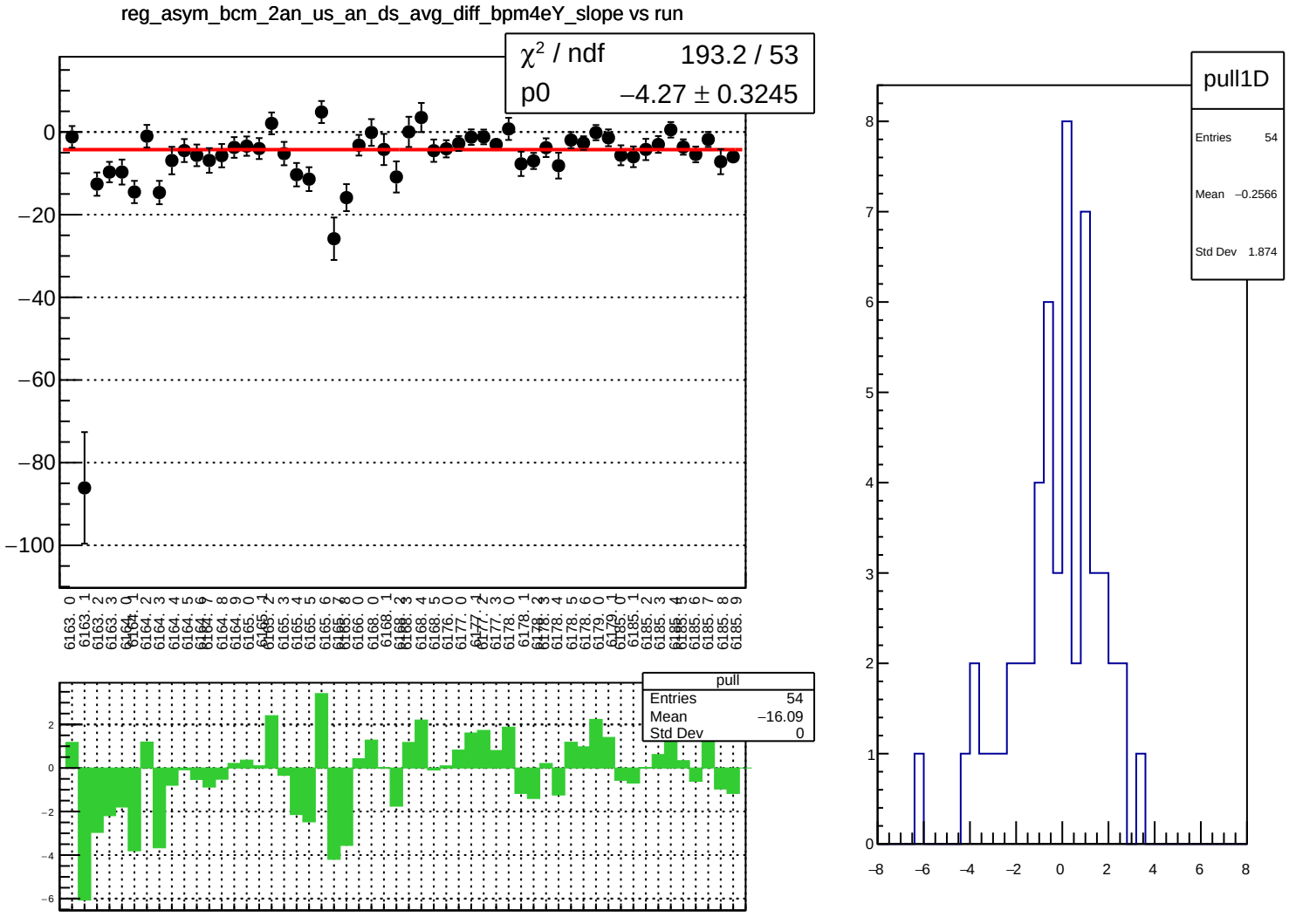

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm1X_slope vs run
χ² / ndf 2521 / 53
p0 −15.8 ± 0.268
pull
Entries 54
Mean −20.83
Std Dev 0

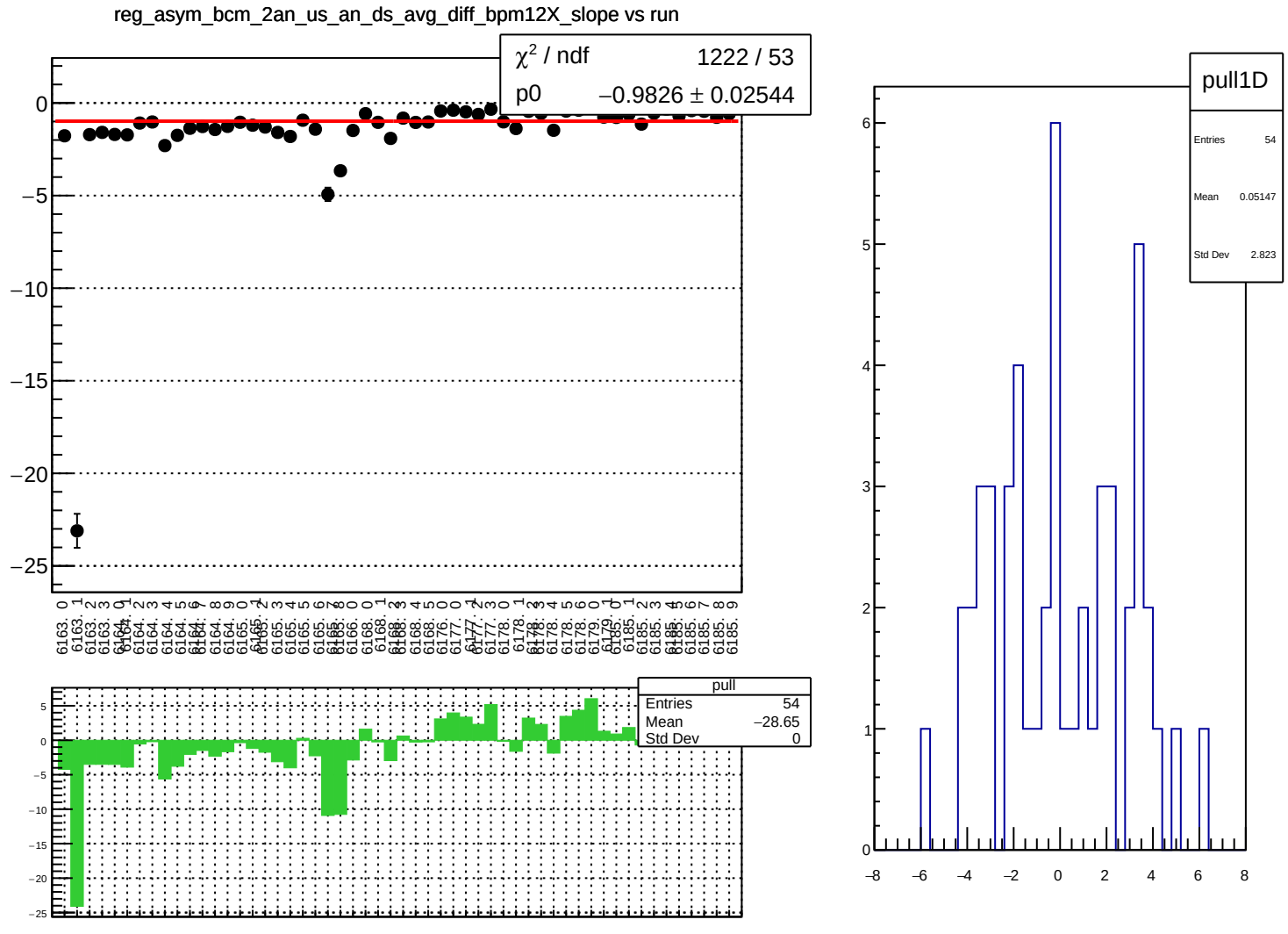

pull1D
Entries 54
Mean 0.2834
Std Dev 2.97

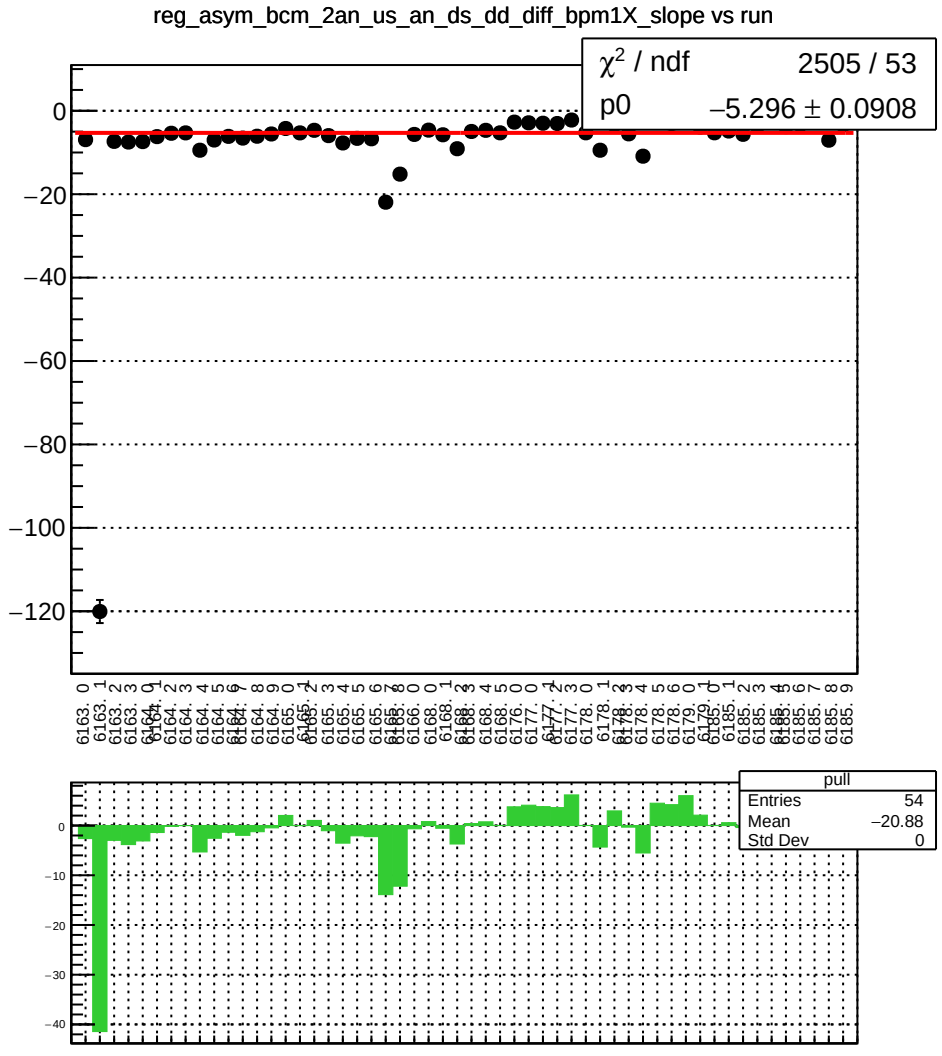

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 143.7 / 53
p0 3.266 ± 0.2904
pull
Entries 54
Mean −14.18
Std Dev 0

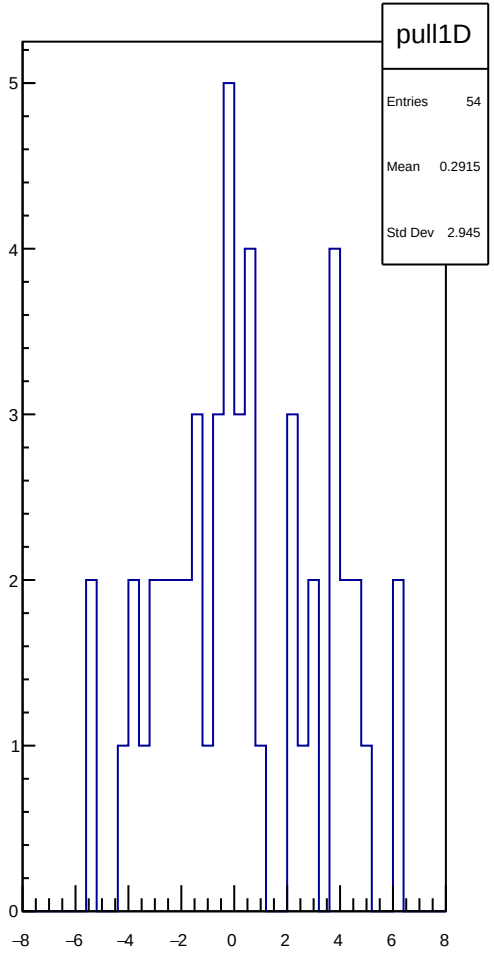

pull1D
Entries 54
Mean 0.2234
Std Dev 1.616

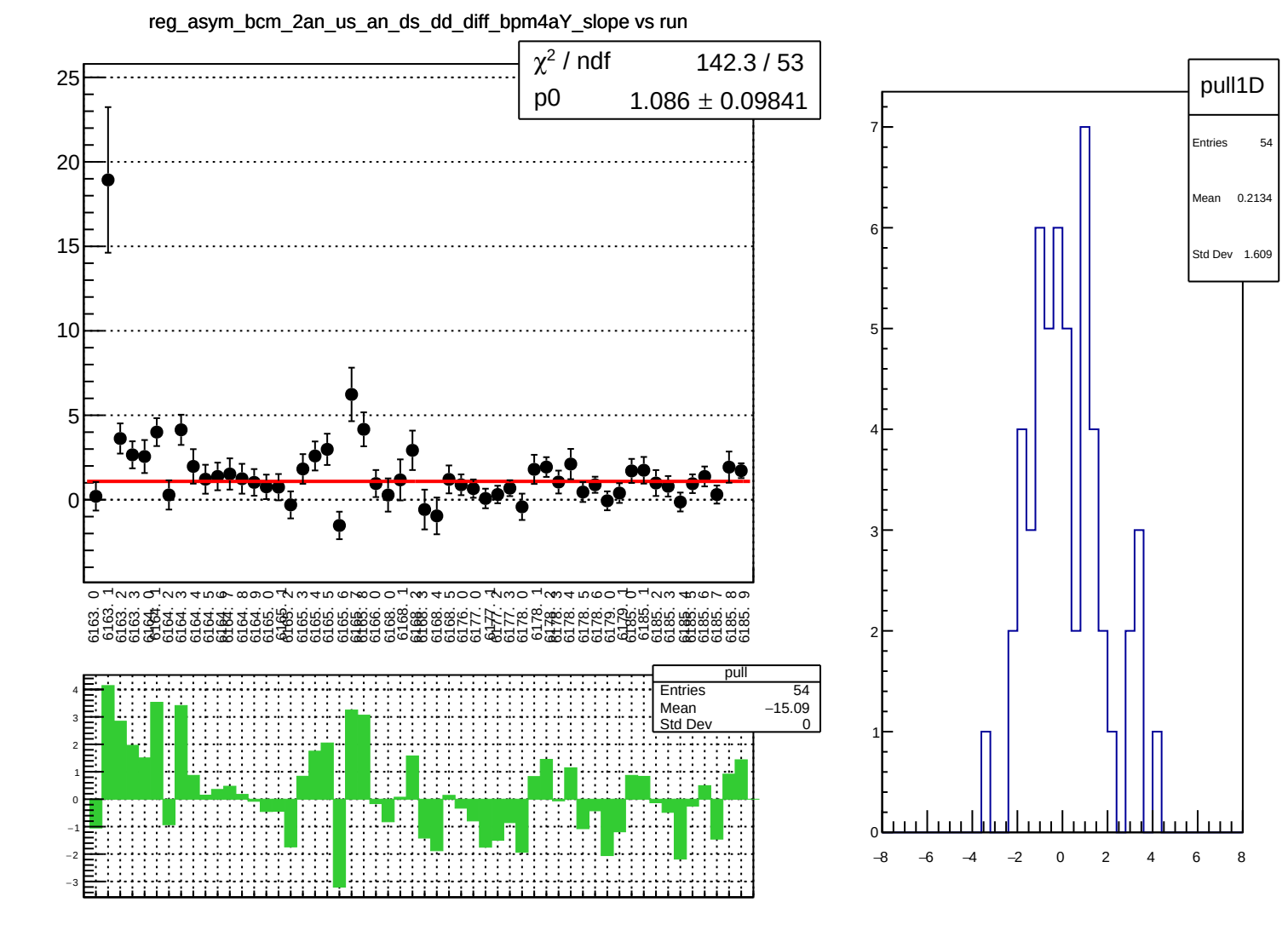

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 2607 / 53
p0 17.92 ± 0.3123
pull
Entries 54
Mean −19.08
Std Dev 0
pull1D
Entries 54
Mean −0.1471
Std Dev 3.184

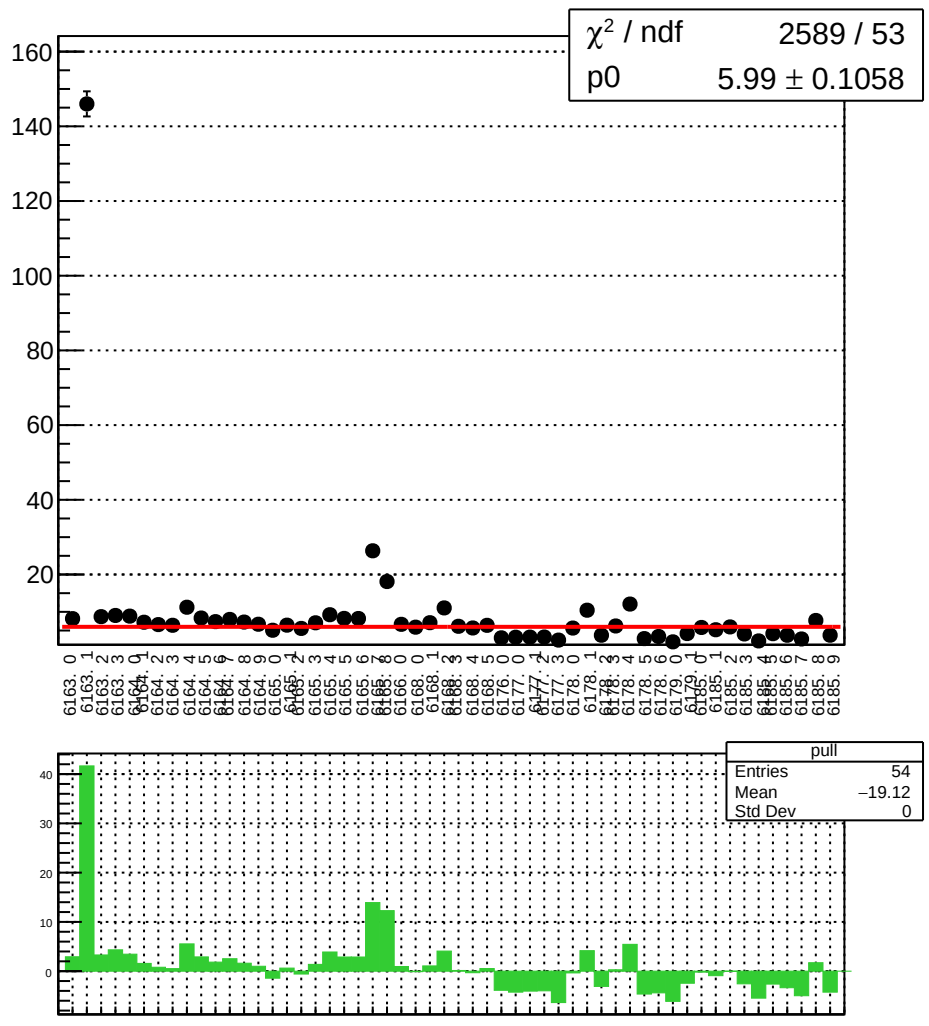

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 193.2 / 53
p0 −4.27 ± 0.3245
pull
Entries 54
Mean −16.09
Std Dev 0
pull1D
Entries 54
Mean −0.2566
Std Dev 1.874

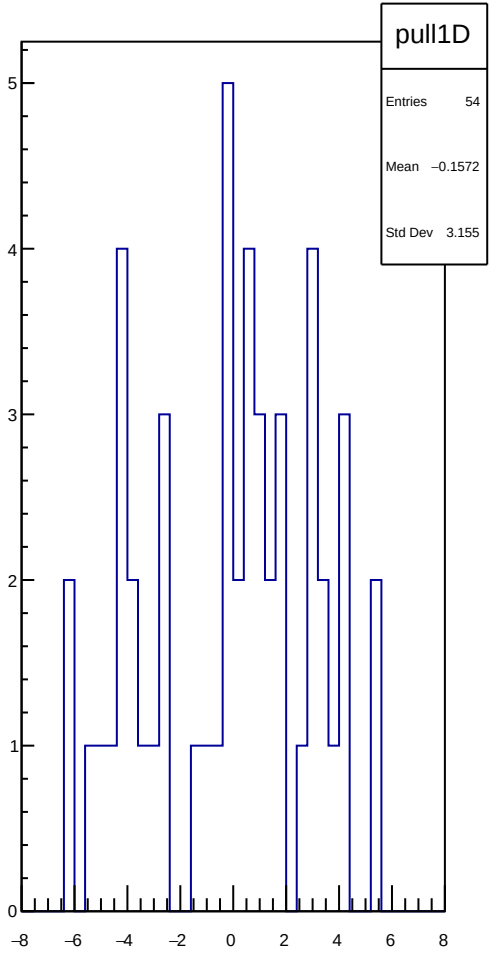

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 1222 / 53
p0 −0.9826 ± 0.02544
pull
Entries 54
Mean −28.65
Std Dev 0
pull1D
Entries 54
Mean 0.05147
Std Dev 2.823

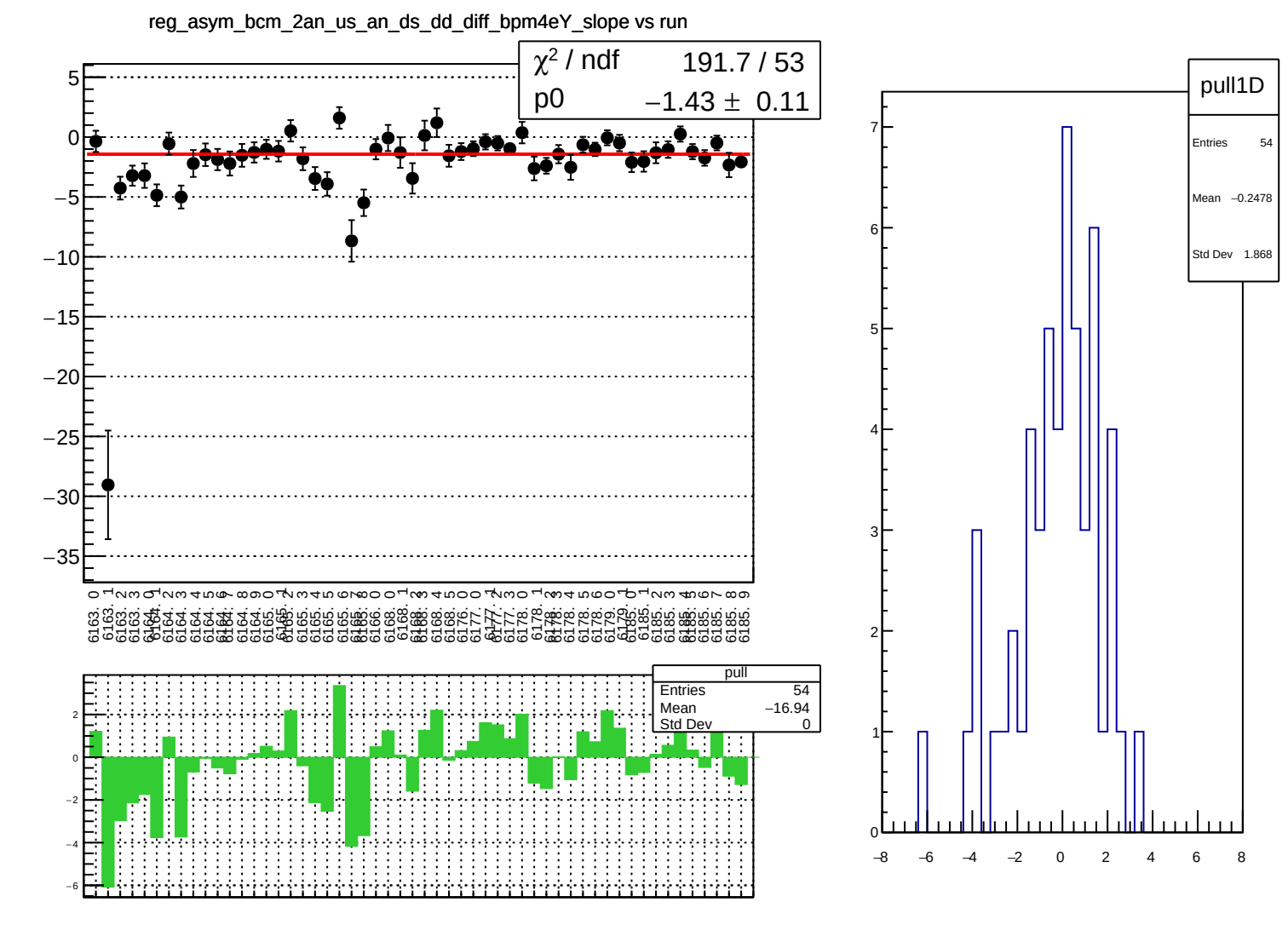

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 2505 / 53
p0 −5.296 ± 0.0908
pull
Entries 54
Mean −20.88
Std Dev 0

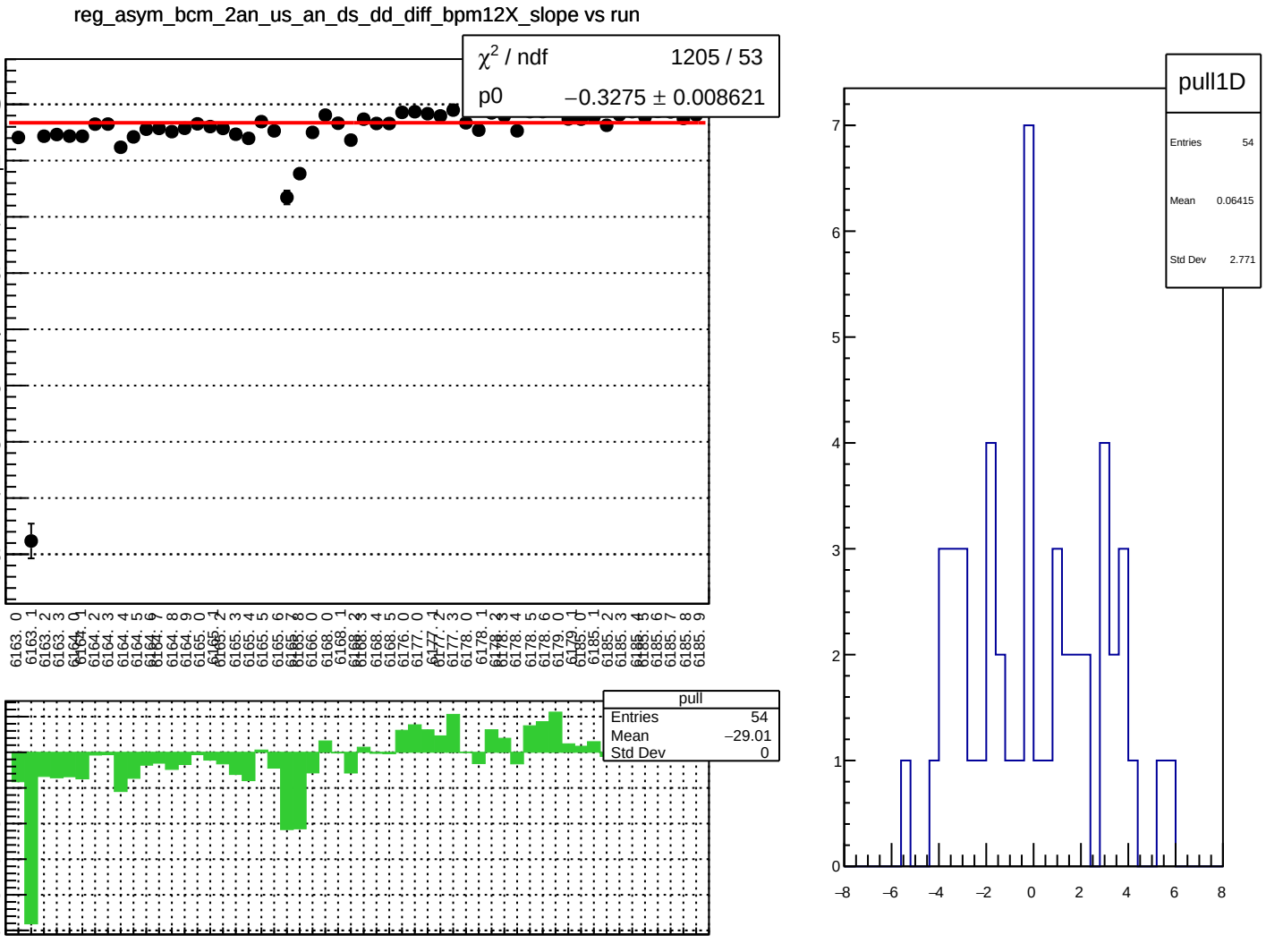

pull1D
Entries 54
Mean 0.2915
Std Dev 2.945

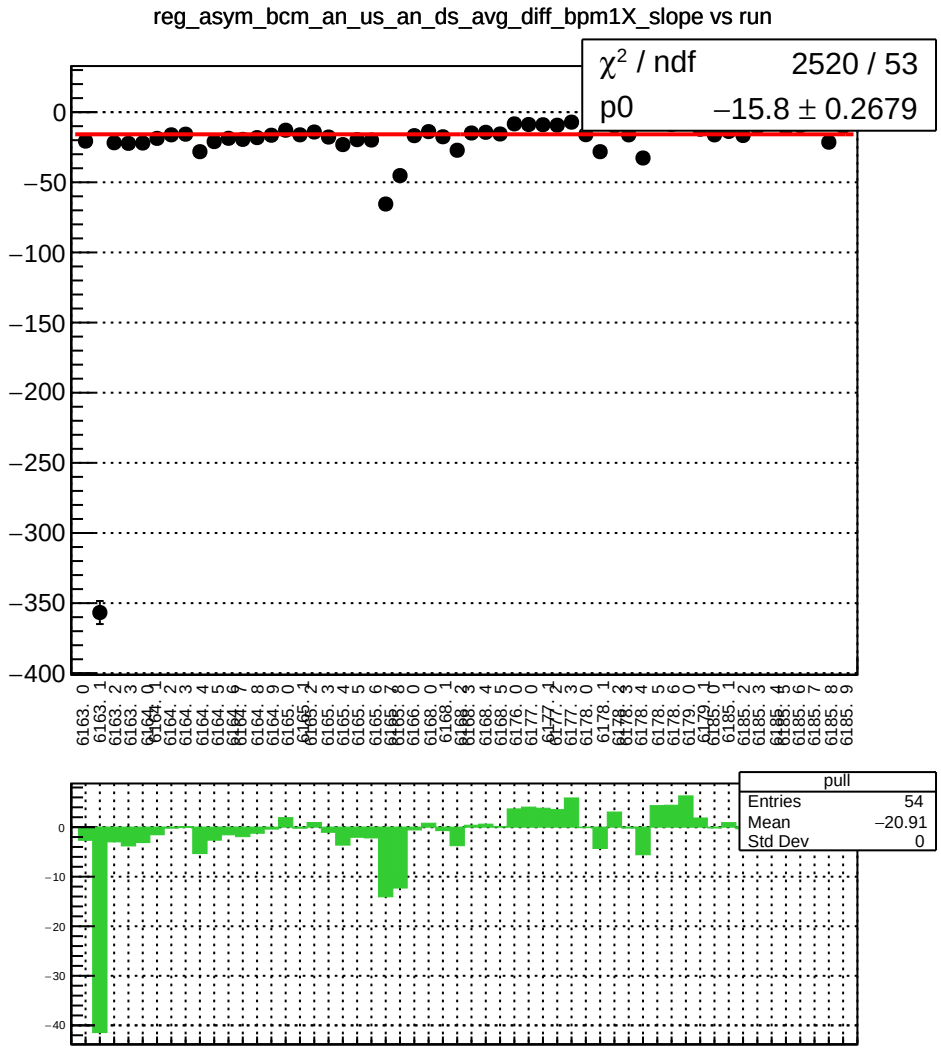

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 142.3 / 53
p0 1.086 ± 0.09841
pull
Entries 54
Mean −15.09
Std Dev 0
pull1D
Entries 54
Mean 0.2134
Std Dev 1.609

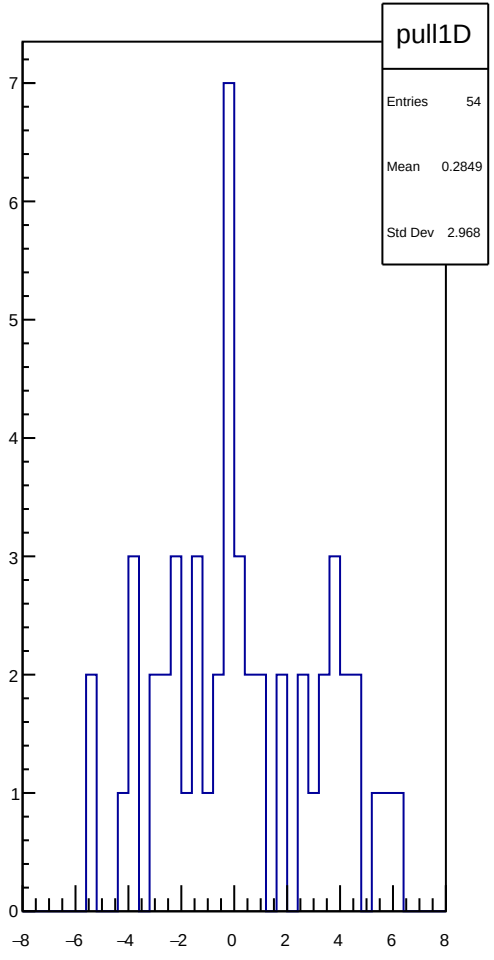

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 2589 / 53
p0 5.99 ± 0.1058
pull
Entries 54
Mean −19.12
Std Dev 0

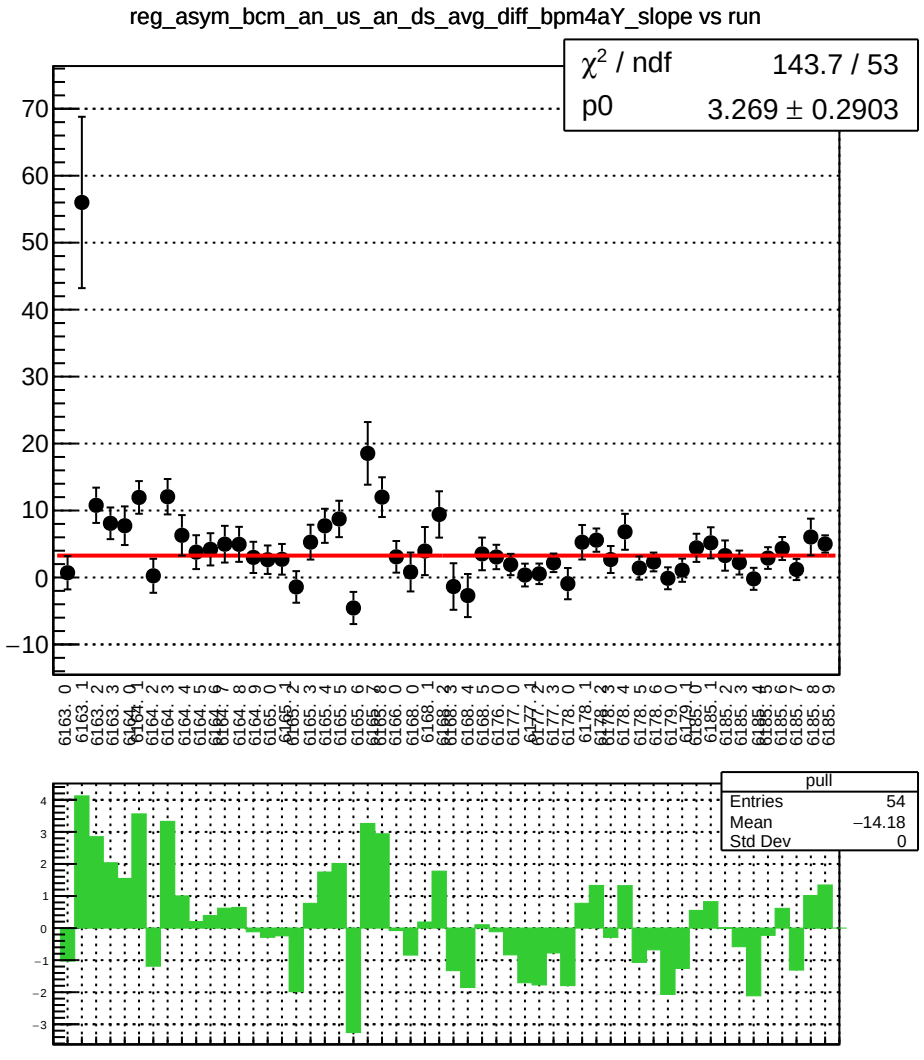

pull1D
Entries 54
Mean −0.1572
Std Dev 3.155

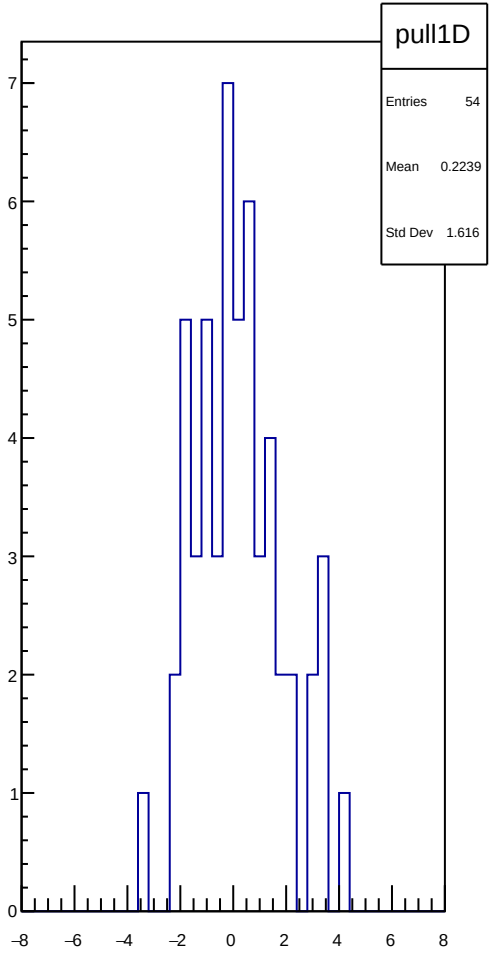

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 191.7 / 53
p0 −1.43 ± 0.11
pull
Entries 54
Mean −16.94
Std Dev 0
pull1D
Entries 54
Mean −0.2478
Std Dev 1.868

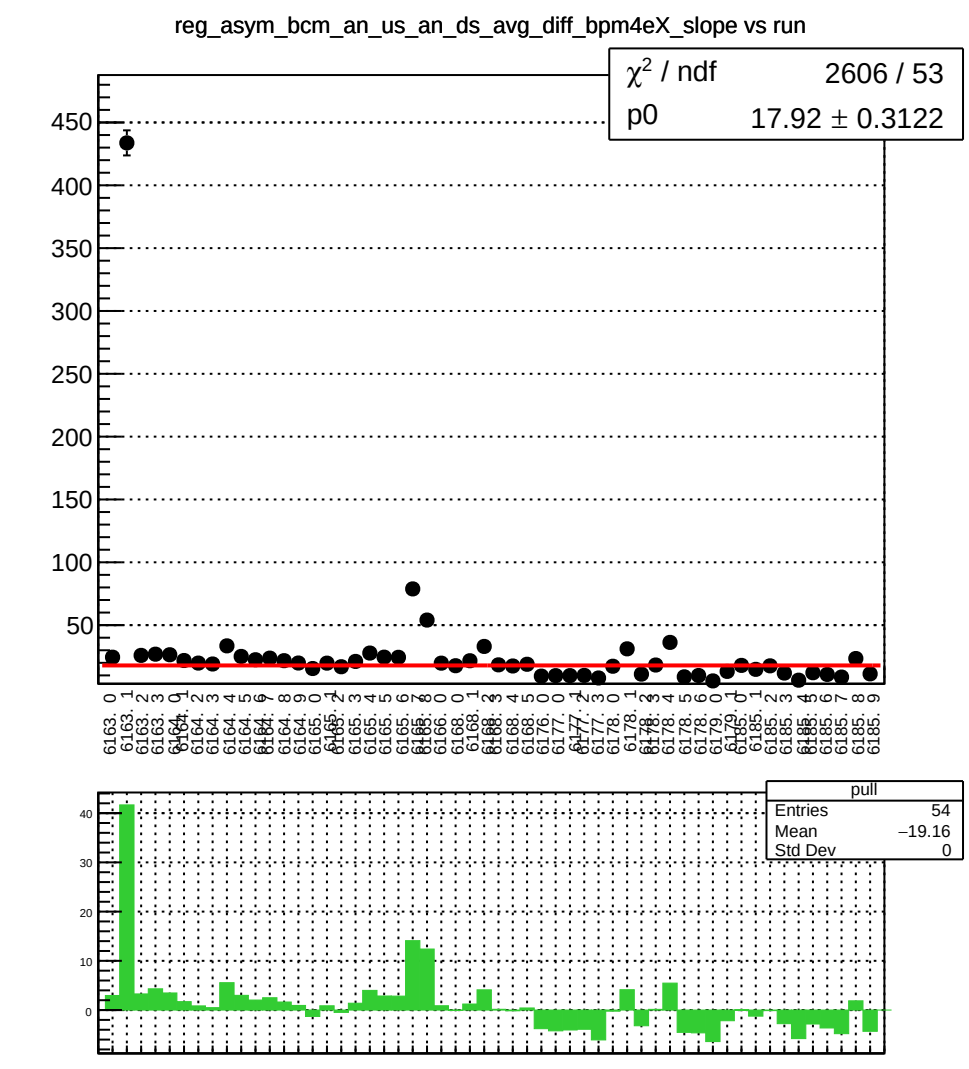

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 1205 / 53
p0 −0.3275 ± 0.008621
pull
Entries 54
Mean −29.01
Std Dev 0
pull1D
Entries 54
Mean 0.06415
Std Dev 2.771

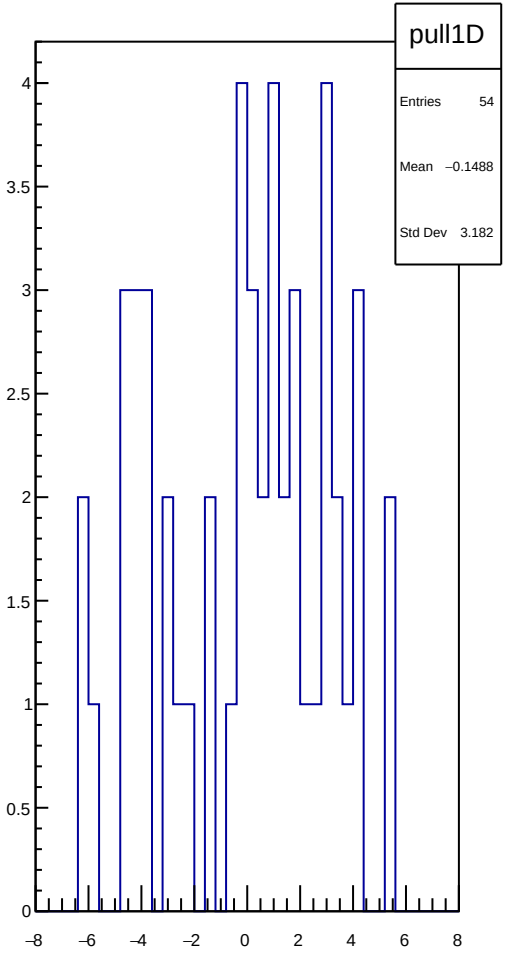

reg_asym_bcm_an_us_an_ds_avg_diff_bpm1X_slope vs run
χ² / ndf 2520 / 53
p0 −15.8 ± 0.2679
pull
Entries 54
Mean −20.91
Std Dev 0

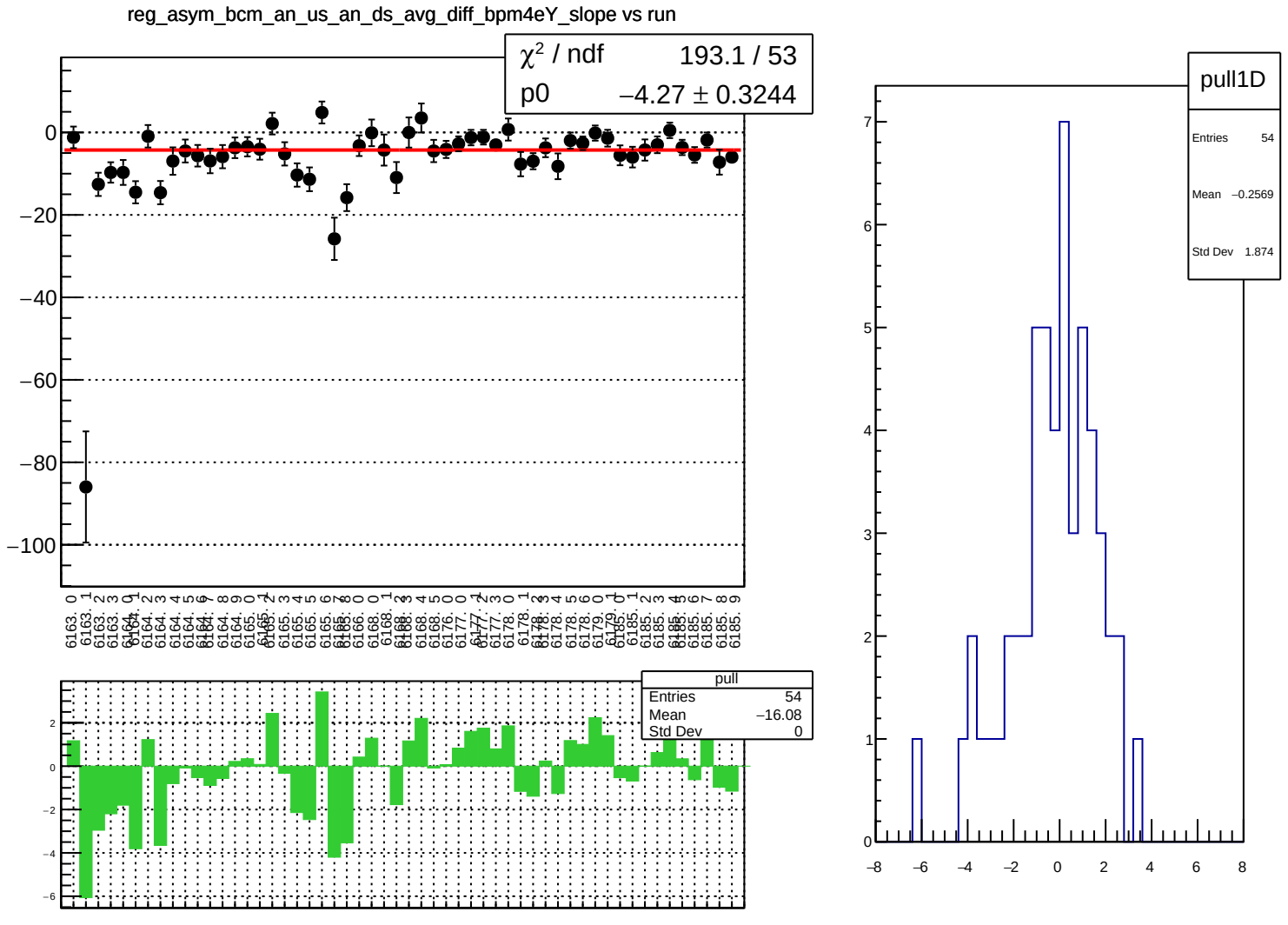

pull1D
Entries 54
Mean 0.2849
Std Dev 2.968

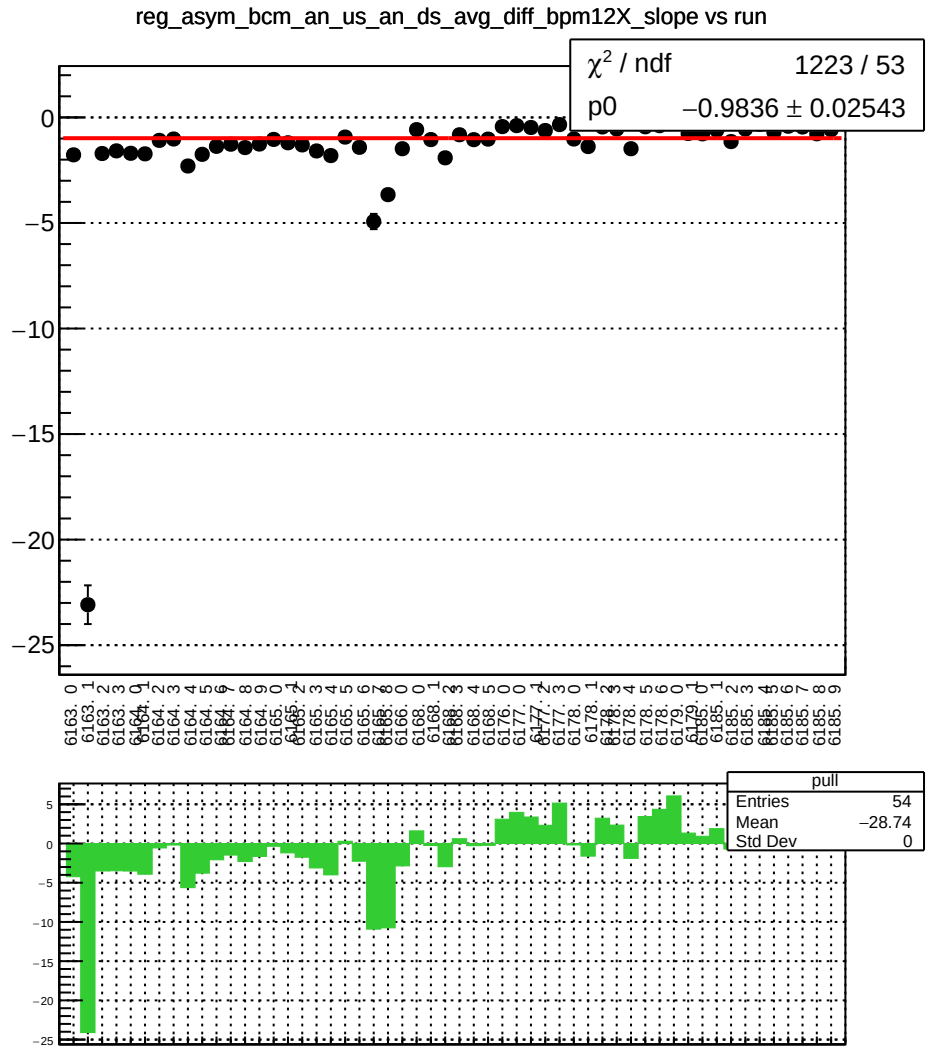

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 143.7 / 53
p0 3.269 ± 0.2903
pull
Entries 54
Mean −14.18
Std Dev 0

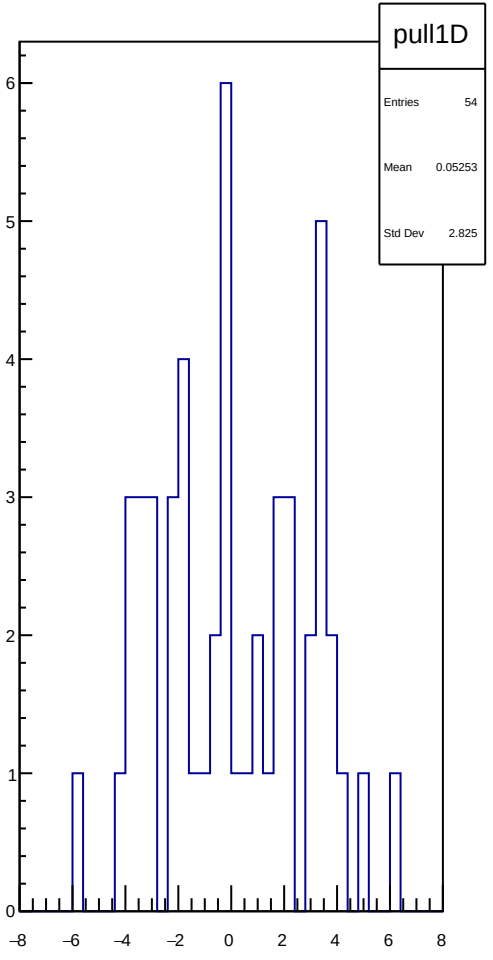

pull1D
Entries 54
Mean 0.2239
Std Dev 1.616

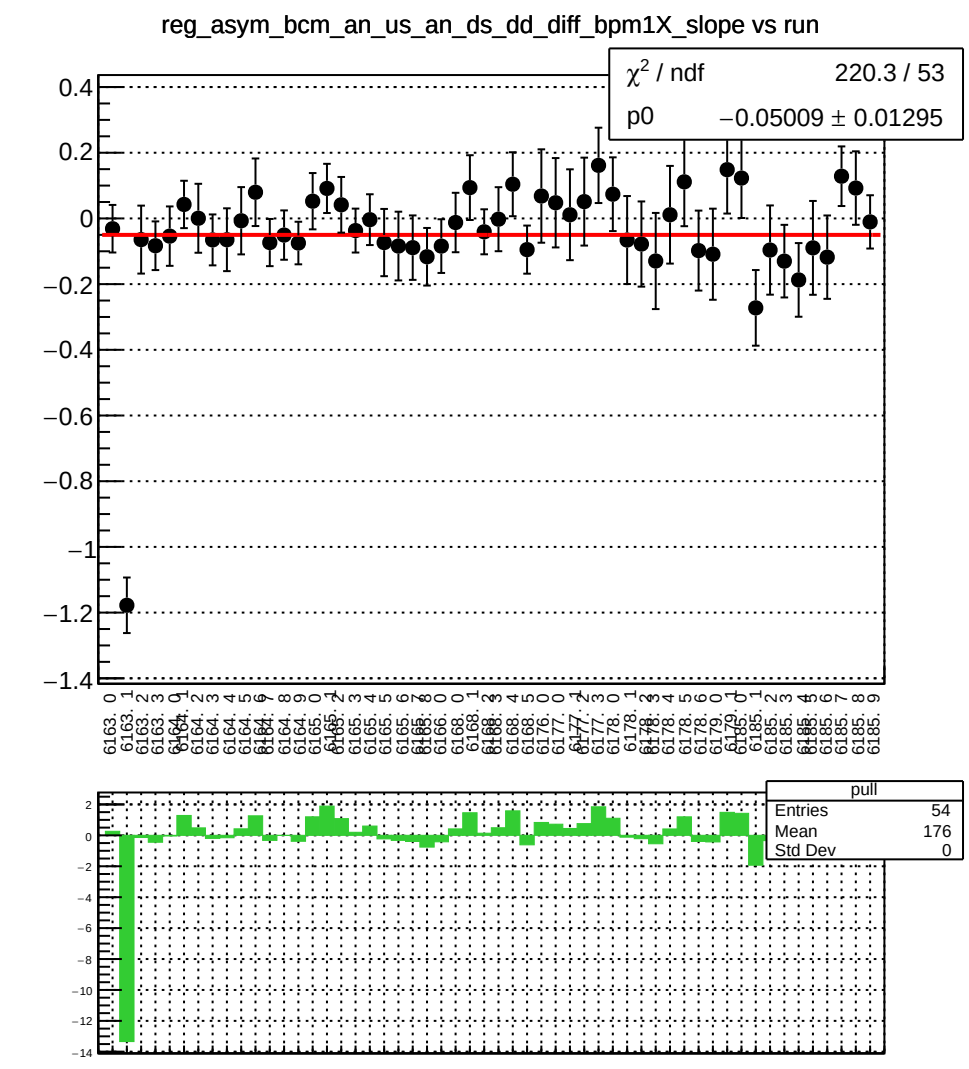

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 2606 / 53
p0 17.92 ± 0.3122
pull
Entries 54
Mean −19.16
Std Dev 0

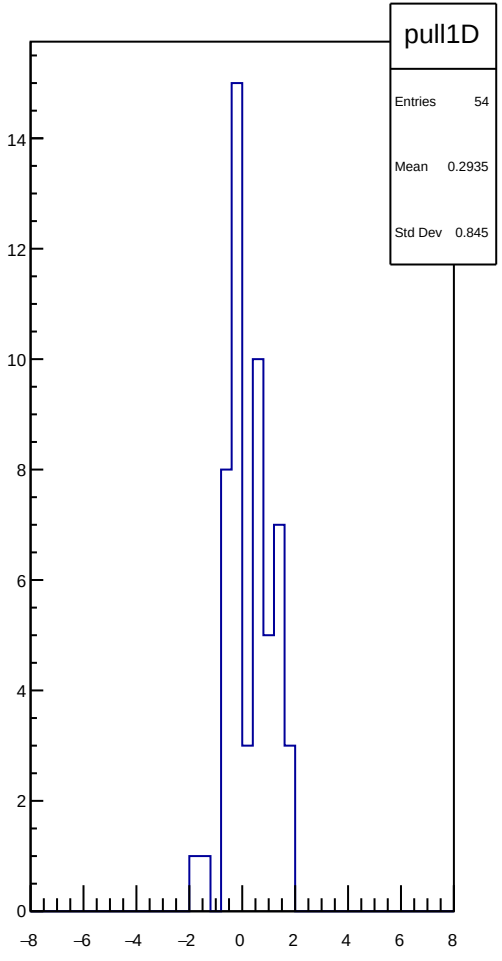

pull1D
Entries 54
Mean −0.1488
Std Dev 3.182

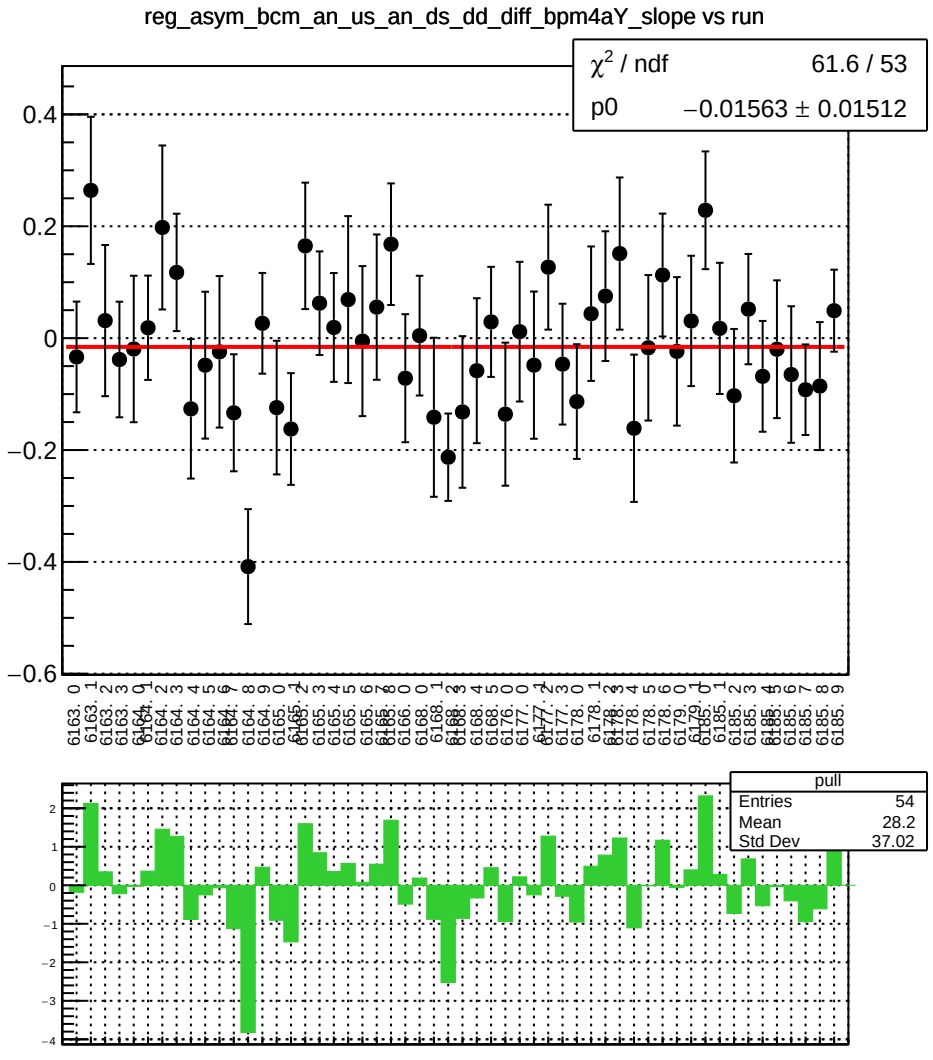

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 193.1 / 53
p0 −4.27 ± 0.3244
pull
Entries 54
Mean −16.08
Std Dev 0
pull1D
Entries 54
Mean −0.2569
Std Dev 1.874

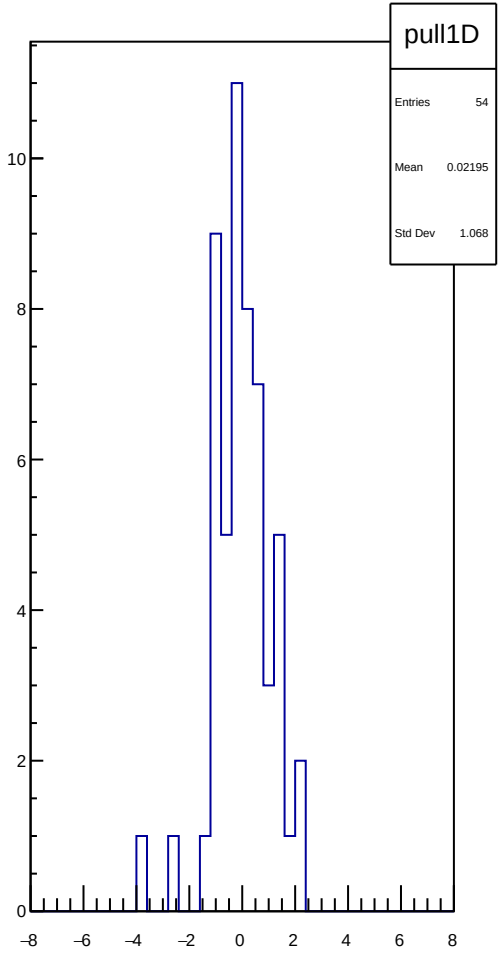

reg_asym_bcm_an_us_an_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 1223 / 53
p0 −0.9836 ± 0.02543
pull
Entries 54
Mean −28.74
Std Dev 0

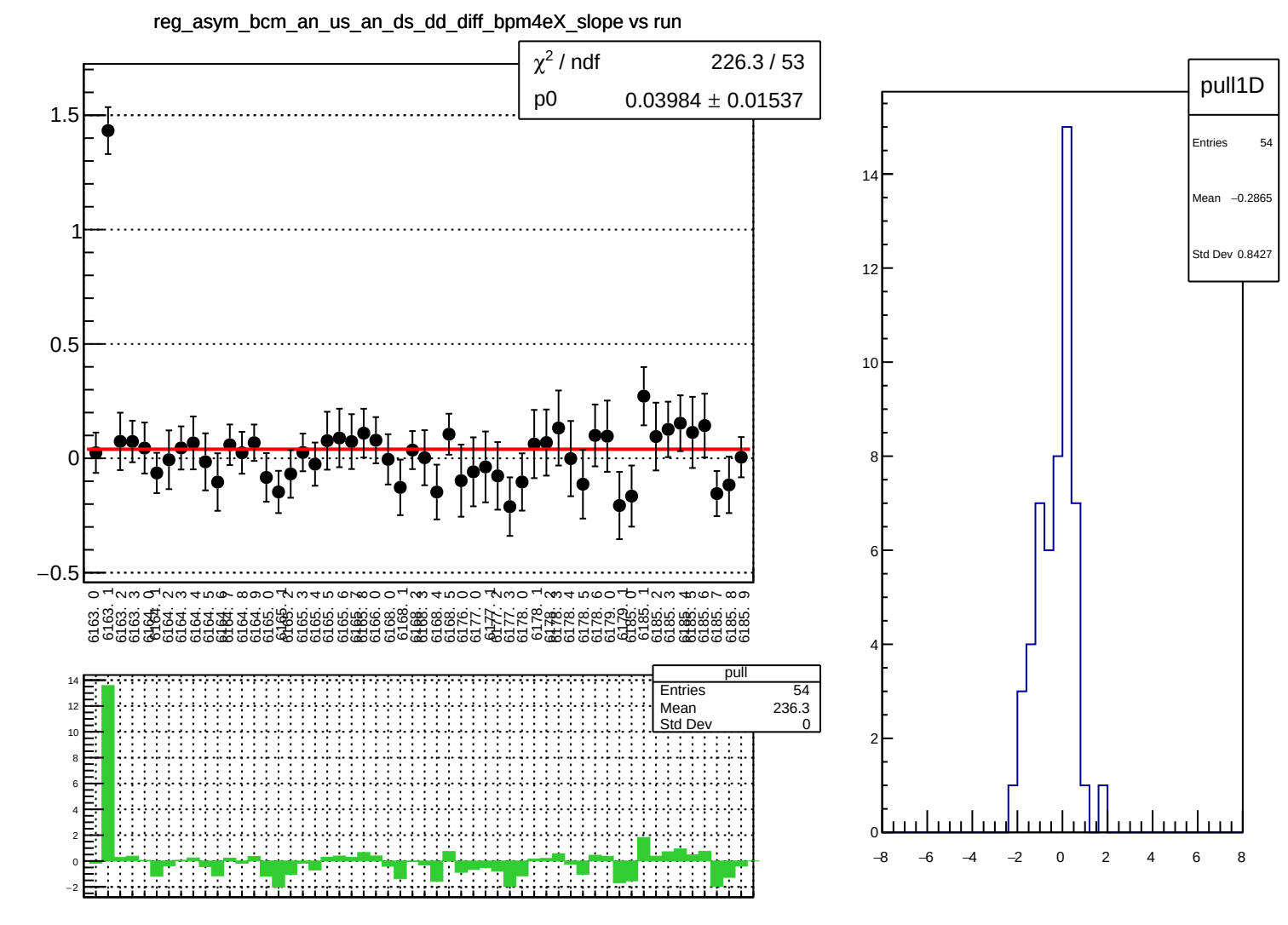

pull1D
Entries 54
Mean 0.05253
Std Dev 2.825

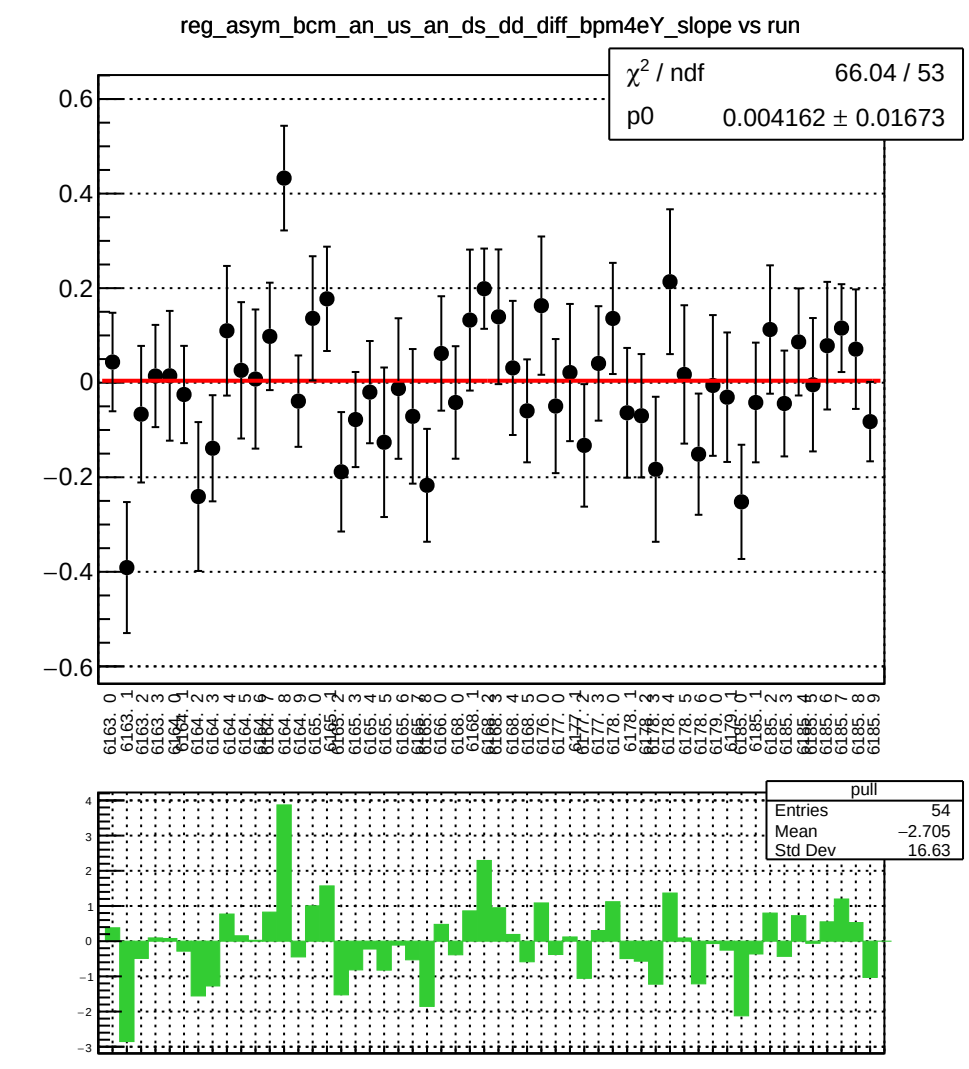

reg_asym_bcm_an_us_an_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 220.3 / 53
p0 −0.05009 ± 0.01295
pull
Entries 54
Mean 176
Std Dev 0

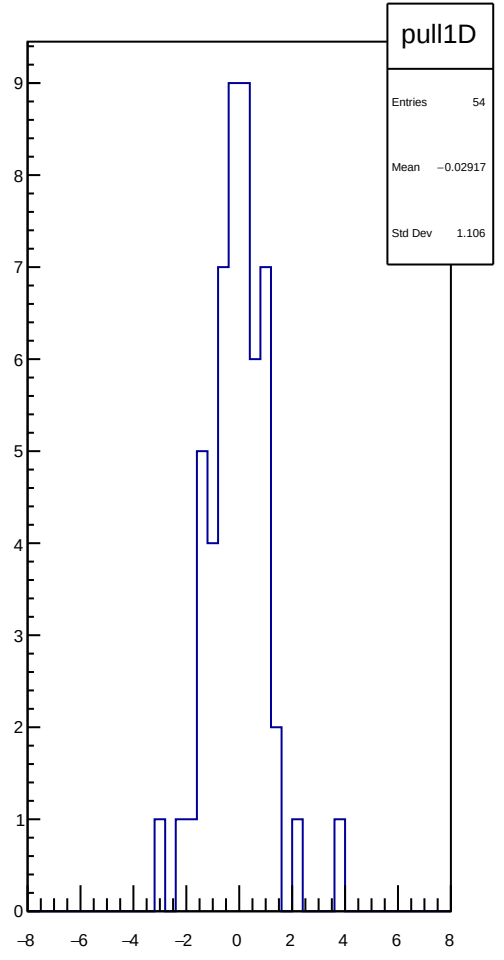

pull1D
Entries 54
Mean 0.2935
Std Dev 0.845

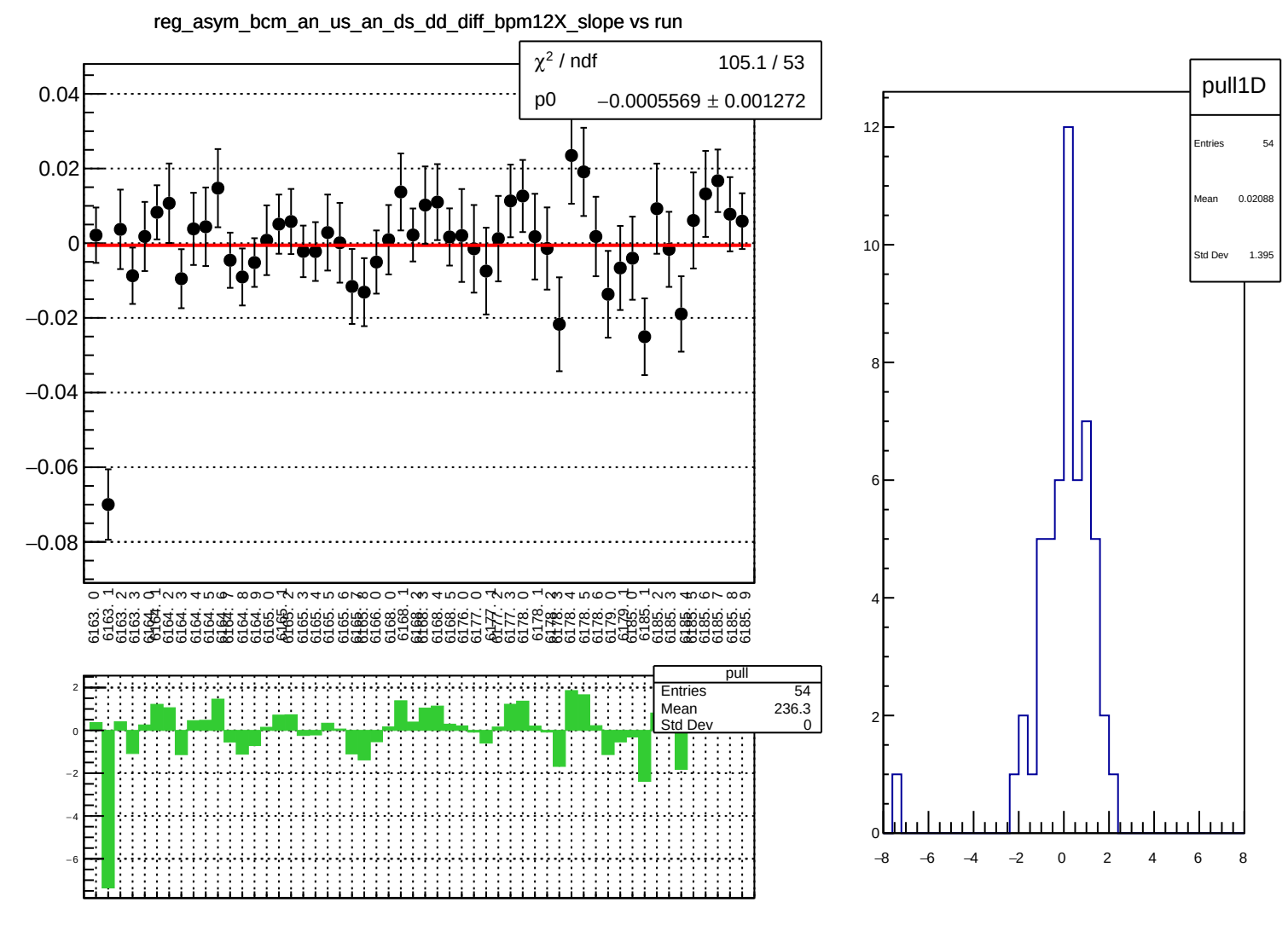

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 61.6 / 53
p0 −0.01563 ± 0.01512
pull
Entries 54
Mean 28.2
Std Dev 37.02

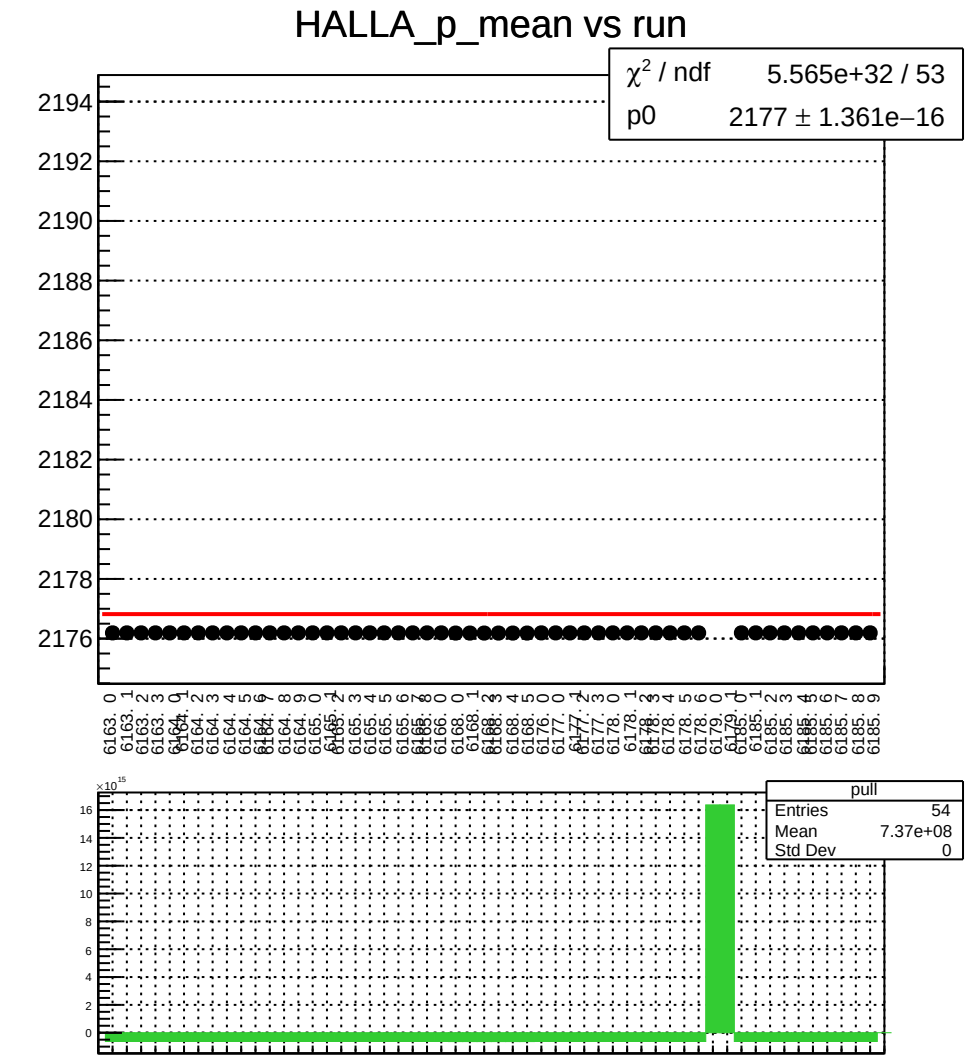

pull1D
Entries 54
Mean 0.02195
Std Dev 1.068

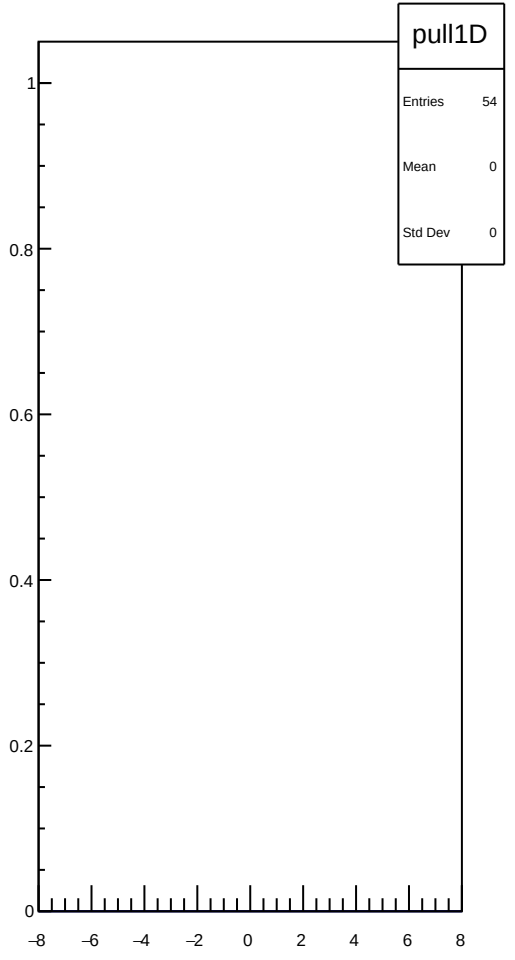

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 226.3 / 53
p0 0.03984 ± 0.01537
pull
Entries 54
Mean 236.3
Std Dev 0
pull1D
Entries 54
Mean −0.2865
Std Dev 0.8427

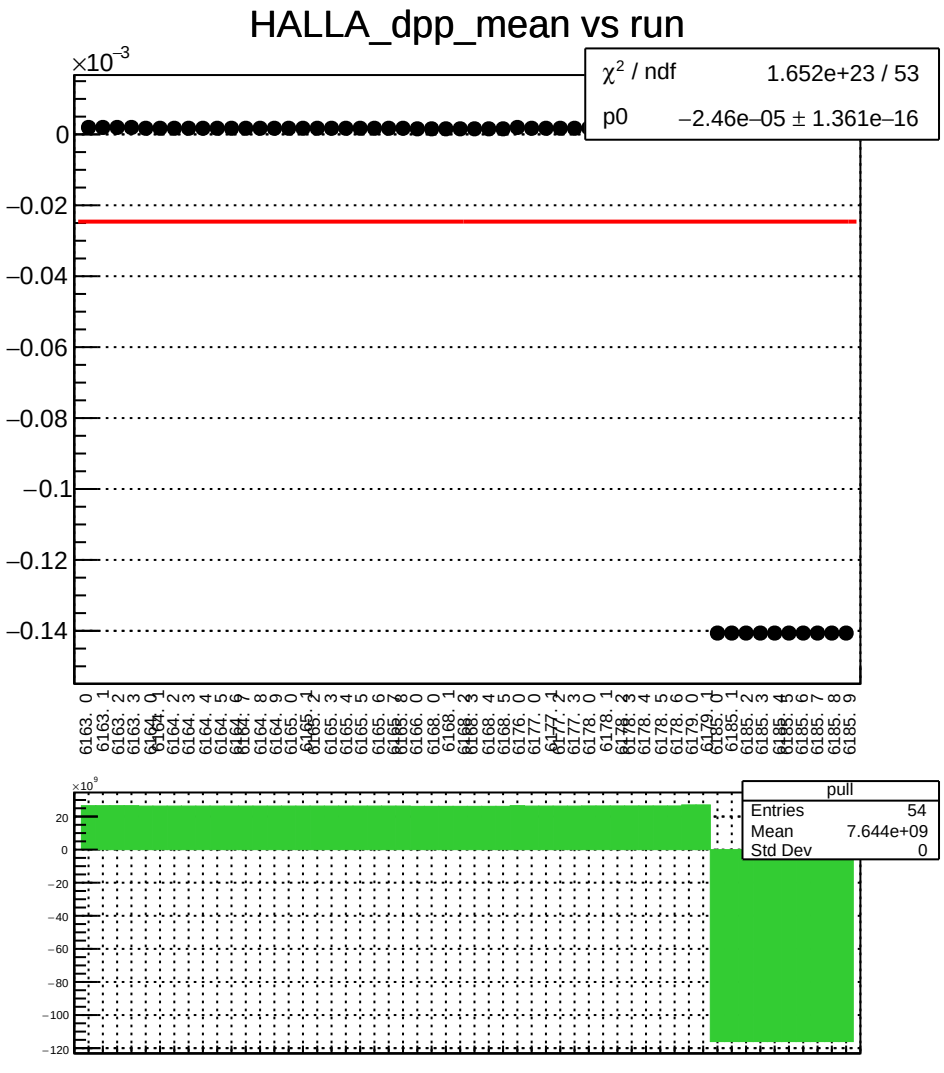

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 66.04 / 53
p0 0.004162 ± 0.01673
pull
Entries 54
Mean −2.705
Std Dev 16.63

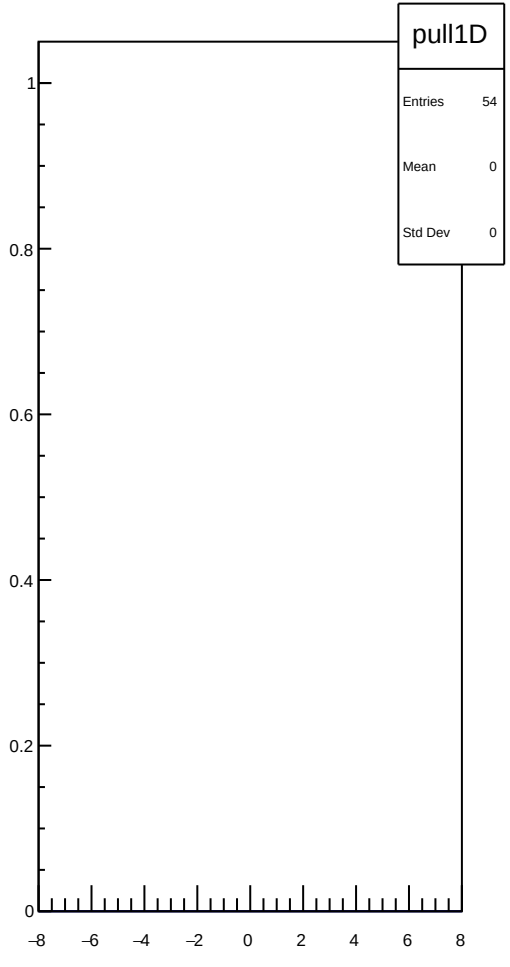

pull1D
Entries 54
Mean −0.02917
Std Dev 1.106

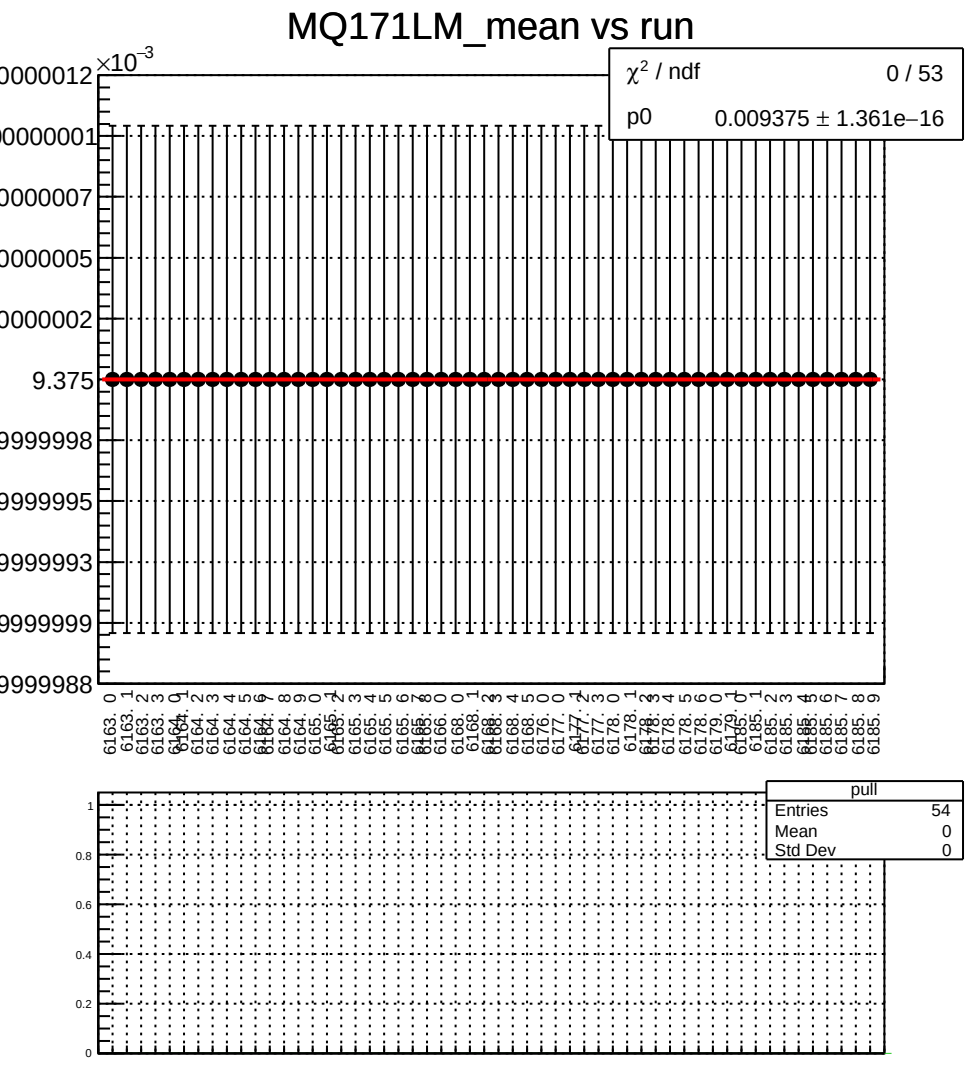

reg_asym_bcm_an_us_an_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 105.1 / 53
p0 −0.0005569 ± 0.001272
pull
Entries 54
Mean 236.3
Std Dev 0
pull1D
Entries 54
Mean 0.02088
Std Dev 1.395

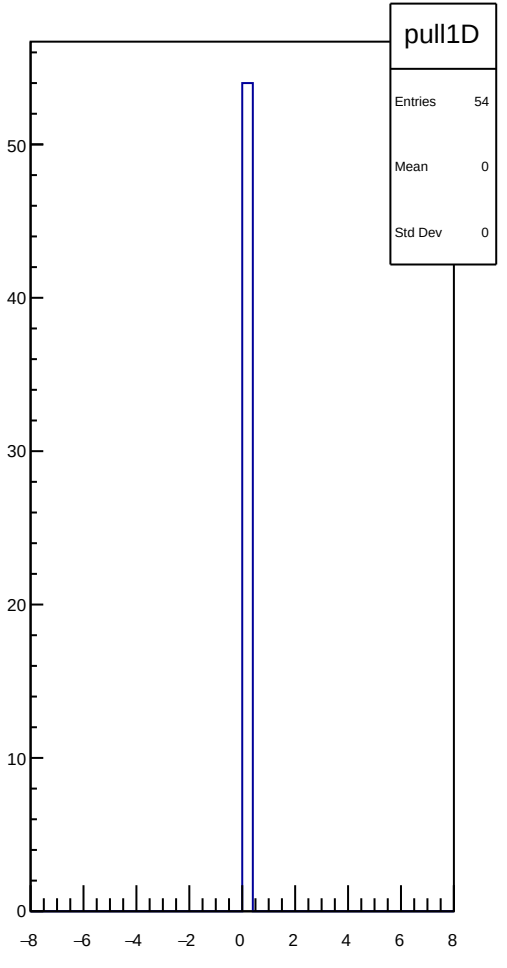

HALLA_p_mean vs run
χ² / ndf 5.565e+32 / 53
p0 2177 ± 1.361e−16
2194
2192
2190
2188
2186
2184
2182
2180
2178
2176
pull
Entries 54
Mean 7.37e+08
Std Dev 0
×10¹⁵
16
14
12
10
8
6
4
2
0

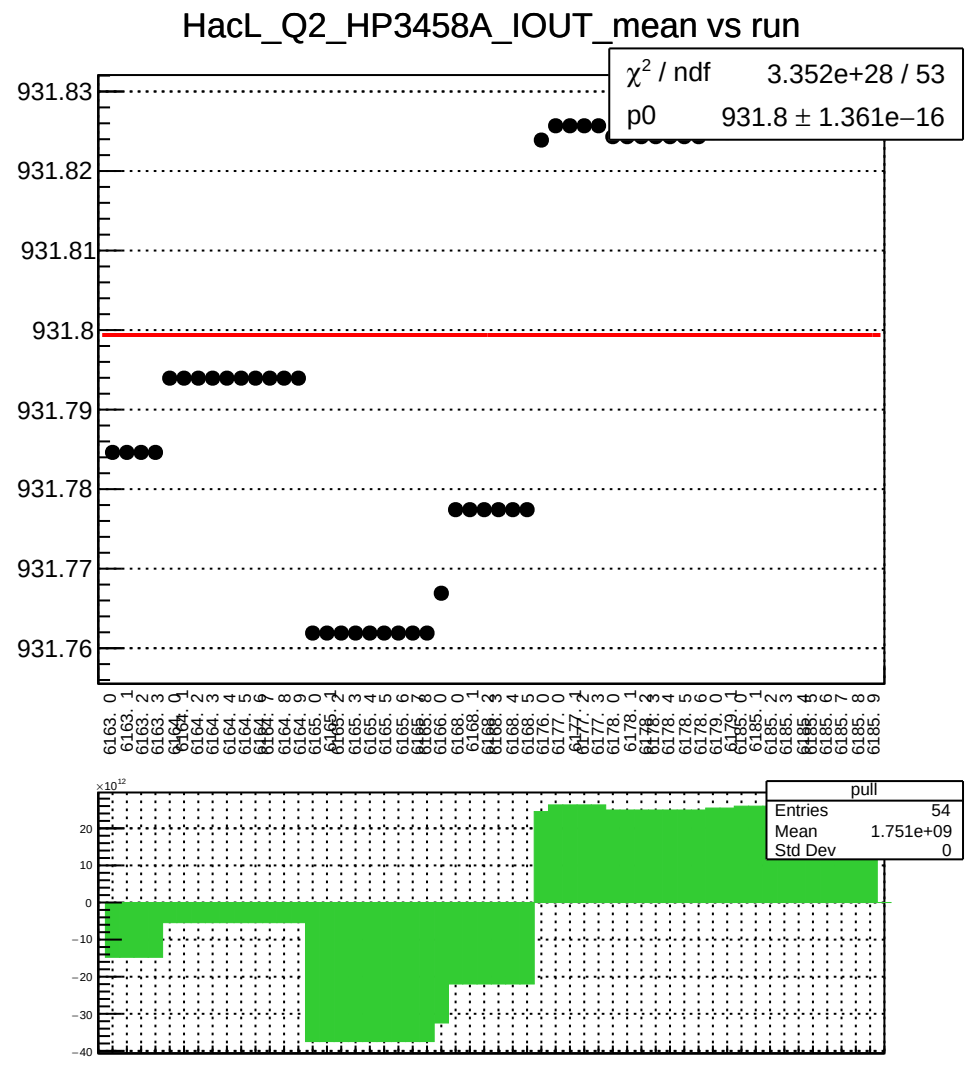

pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

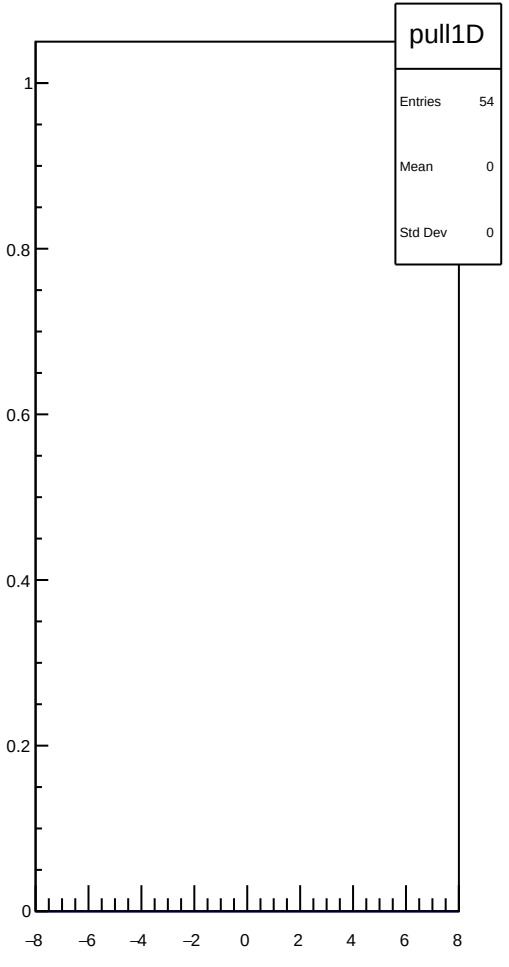

HALLA_dpp_mean vs run
×10⁻³
χ² / ndf 1.652e+23 / 53
p0 −2.46e−05 ± 1.361e−16
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
pull
Entries 54
Mean 7.644e+09
Std Dev 0
×10⁹
20
0
−20
−40
−60
−80
−100
−120

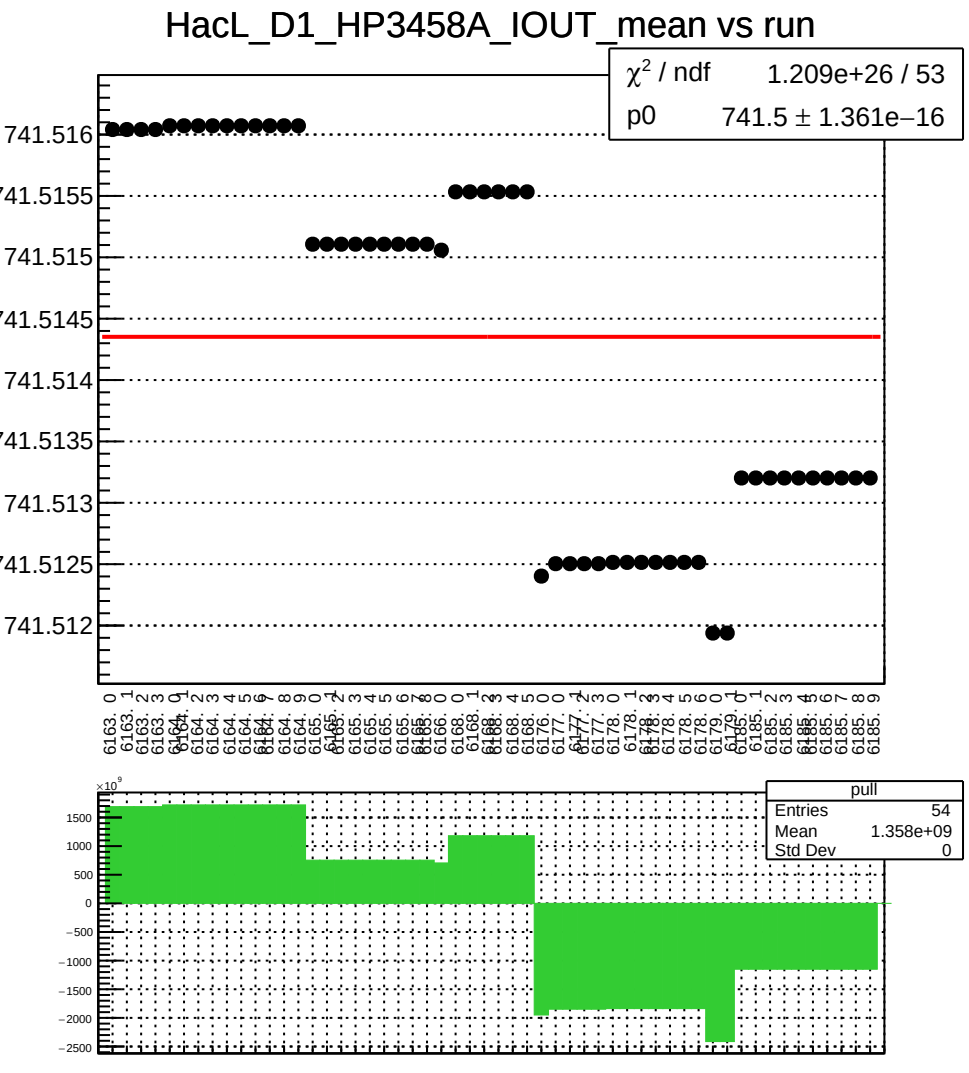

pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

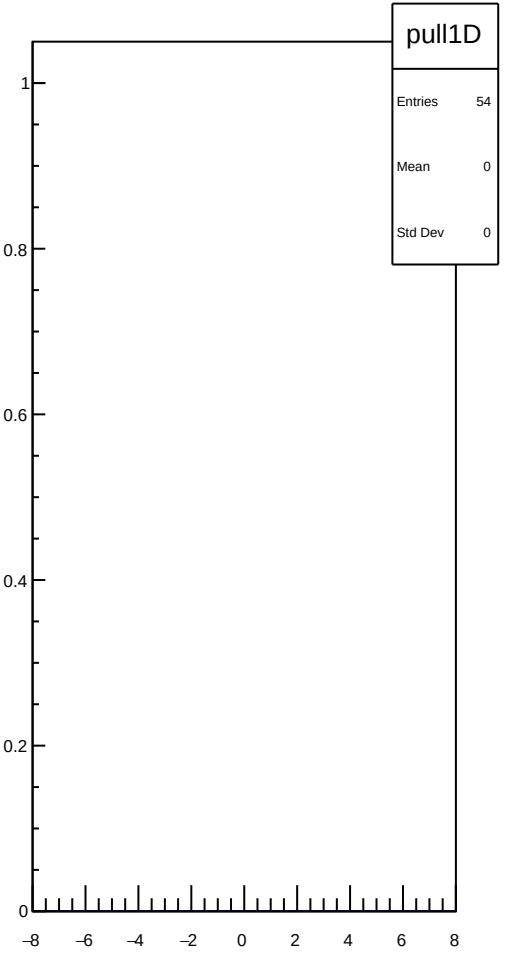

MQ171LM_mean vs run
χ² / ndf 0 / 53
p0 0.009375 ± 1.361e−16
×10⁻³
pull
Entries 54
Mean 0
Std Dev 0

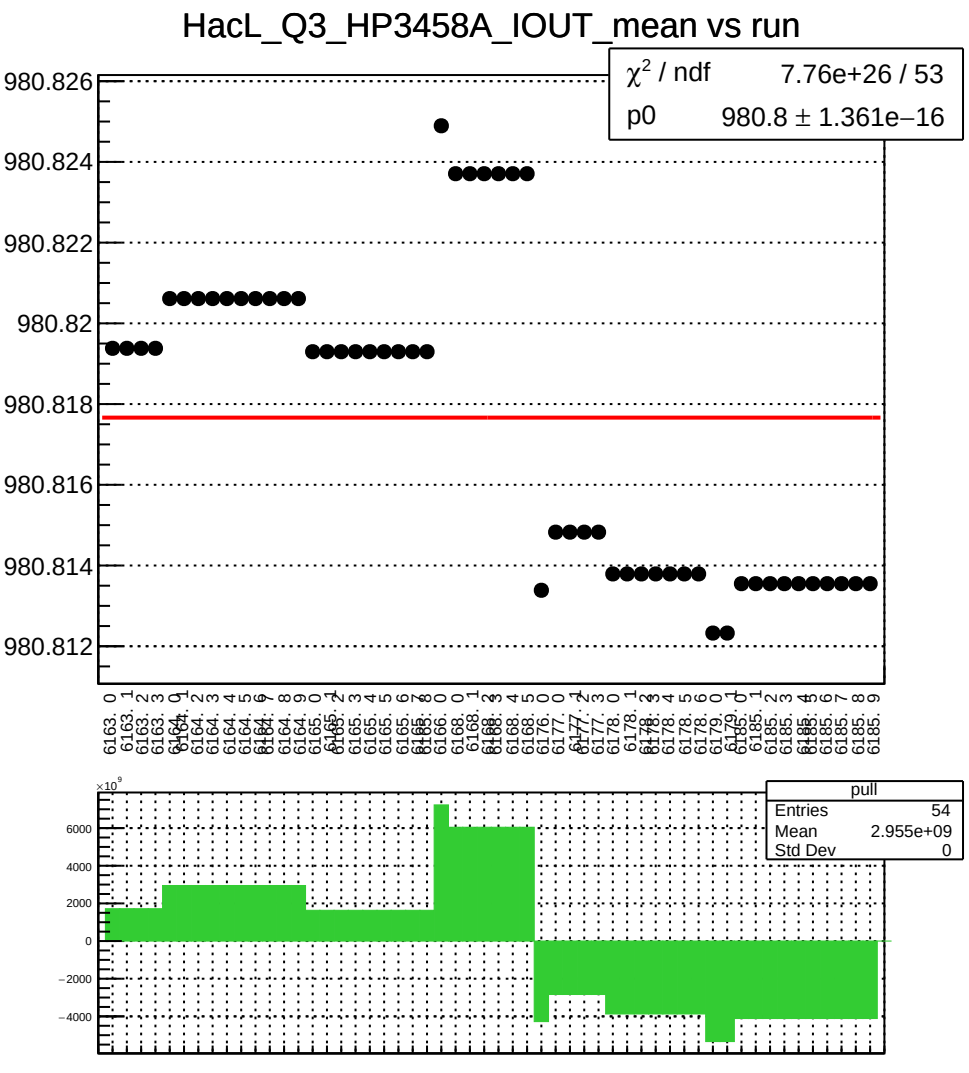

pull1D
Entries 54
Mean 0
Std Dev 0

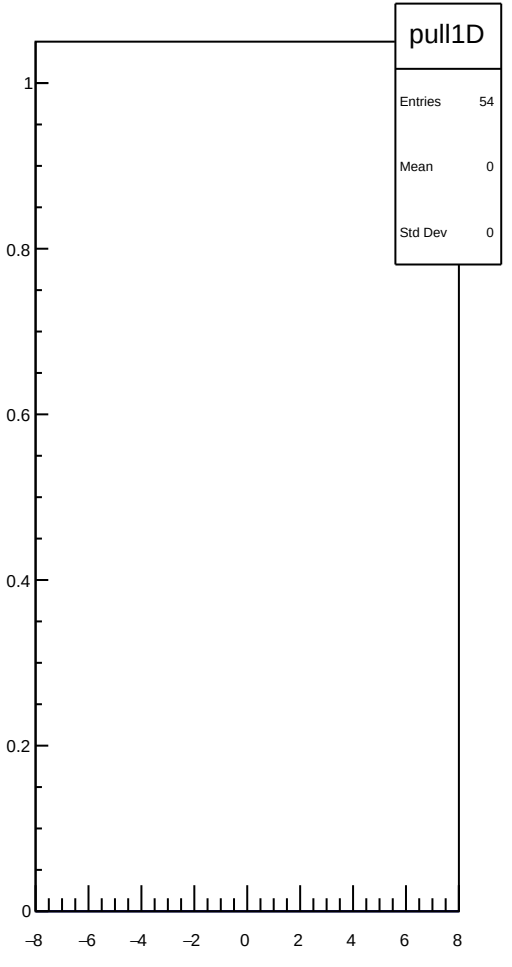

HacL_Q2_HP3458A_IOUT_mean vs run
χ² / ndf 3.352e+28 / 53
p0 931.8 ± 1.361e−16
931.83
931.82
931.81
931.8
931.79
931.78
931.77
931.76
pull
Entries 54
Mean 1.751e+09
Std Dev 0
×10¹²
20
10
0
−10
−20
−30
−40

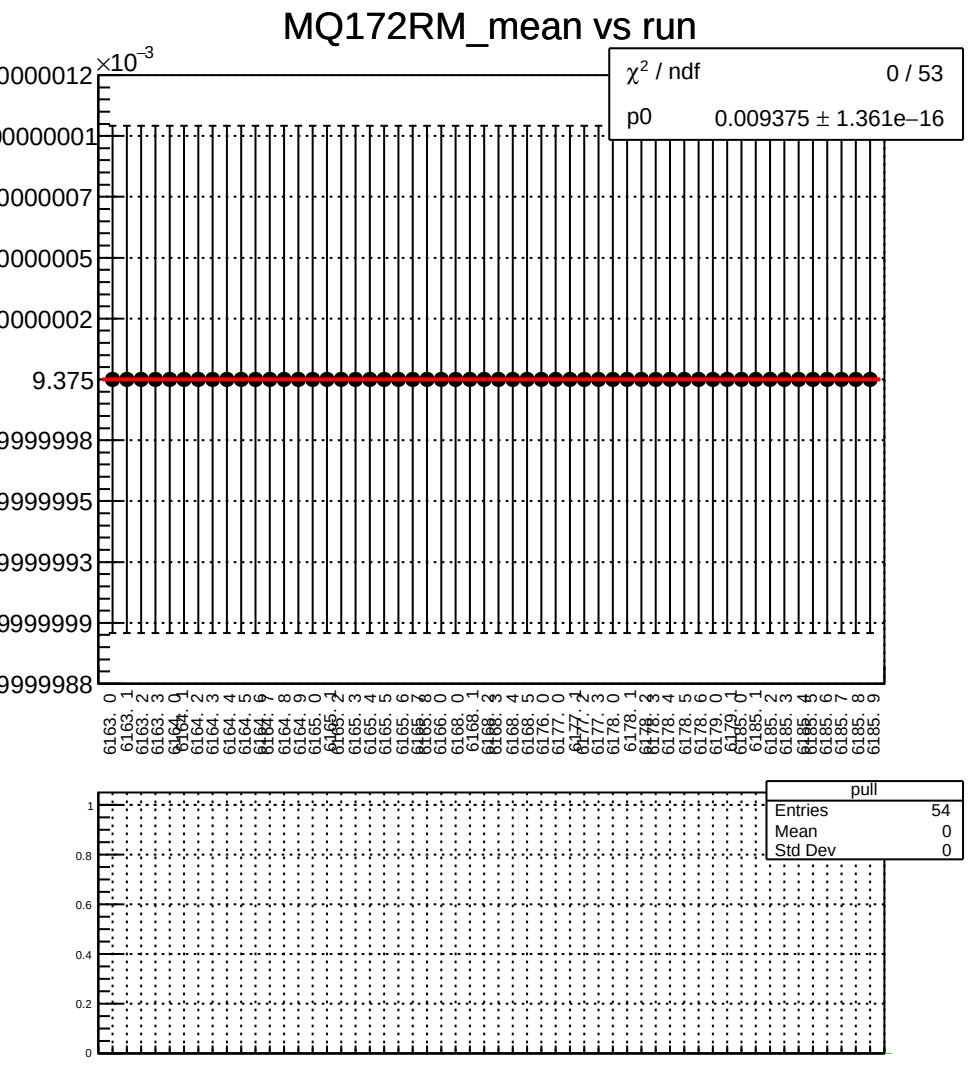

pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

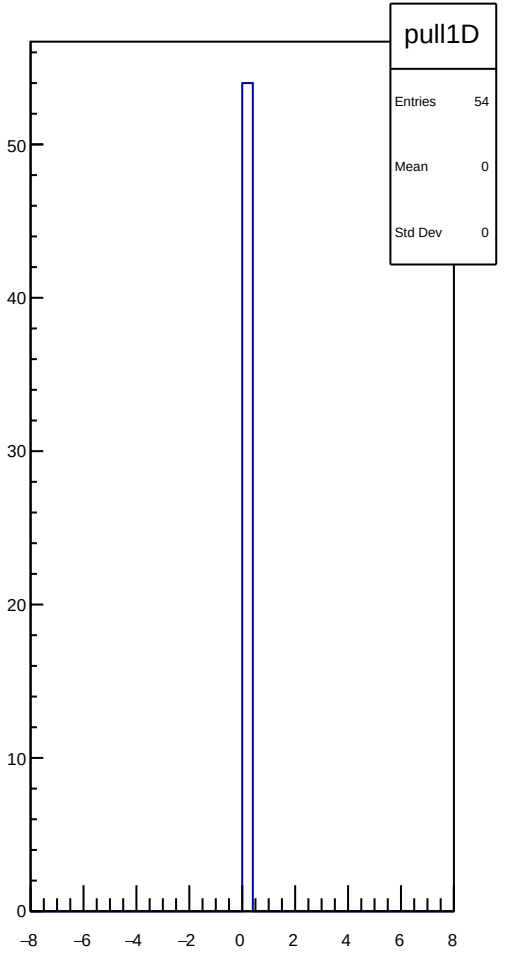

HacL_D1_HP3458A_IOUT_mean vs run
χ² / ndf 1.209e+26 / 53
p0 741.5 ± 1.361e−16
741.516
741.5155
741.515
741.5145
741.514
741.5135
741.513
741.5125
741.512
pull
Entries 54
Mean 1.358e+09
Std Dev 0
×10⁹
1500
1000
500
0
−500
−1000
−1500
−2000
−2500

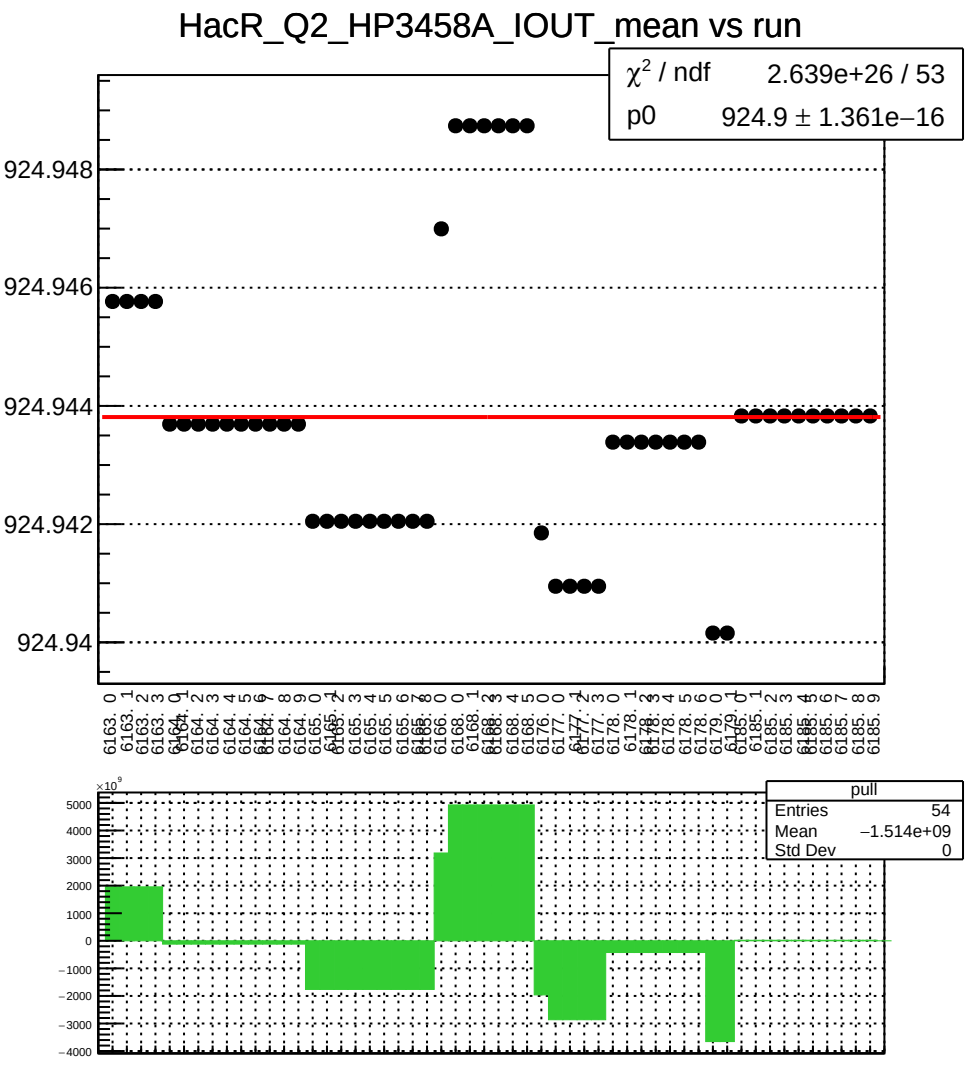

pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

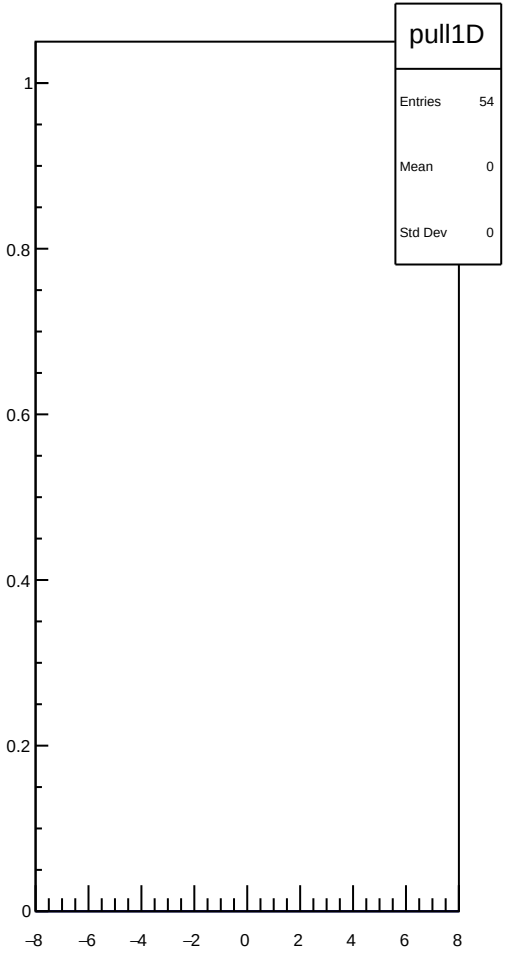

HacL_Q3_HP3458A_IOUT_mean vs run
χ² / ndf 7.76e+26 / 53
p0 980.8 ± 1.361e−16
980.826
980.824
980.822
980.82
980.818
980.816
980.814
980.812
pull
Entries 54
Mean 2.955e+09
Std Dev 0
×10⁹
6000
4000
2000
0
−2000
−4000

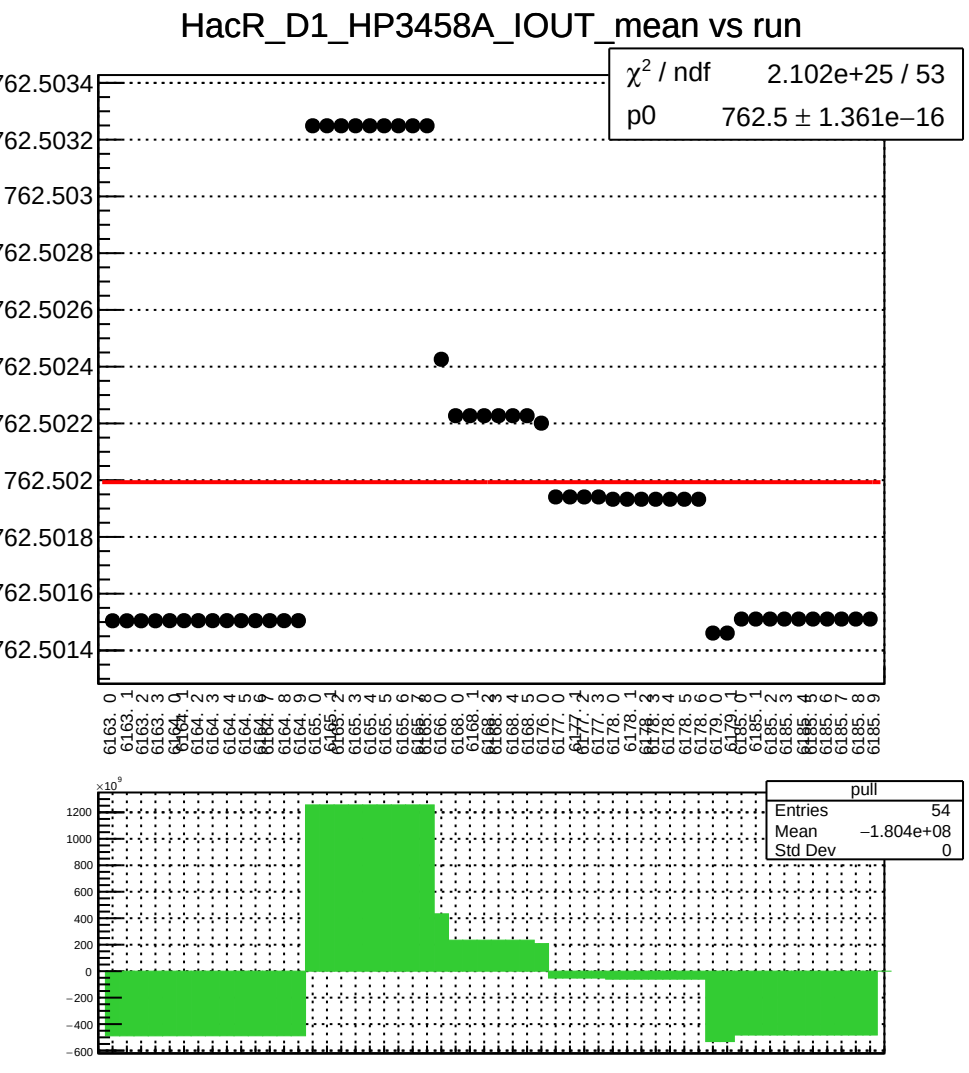

pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

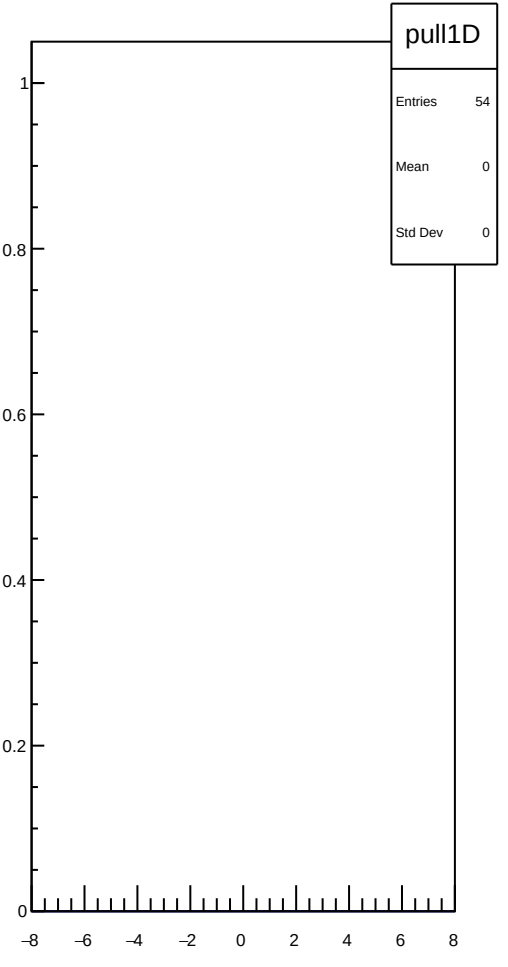

MQ172RM_mean vs run
×10⁻³
χ² / ndf 0 / 53
p0 0.009375 ± 1.361e−16
pull
Entries 54
Mean 0
Std Dev 0

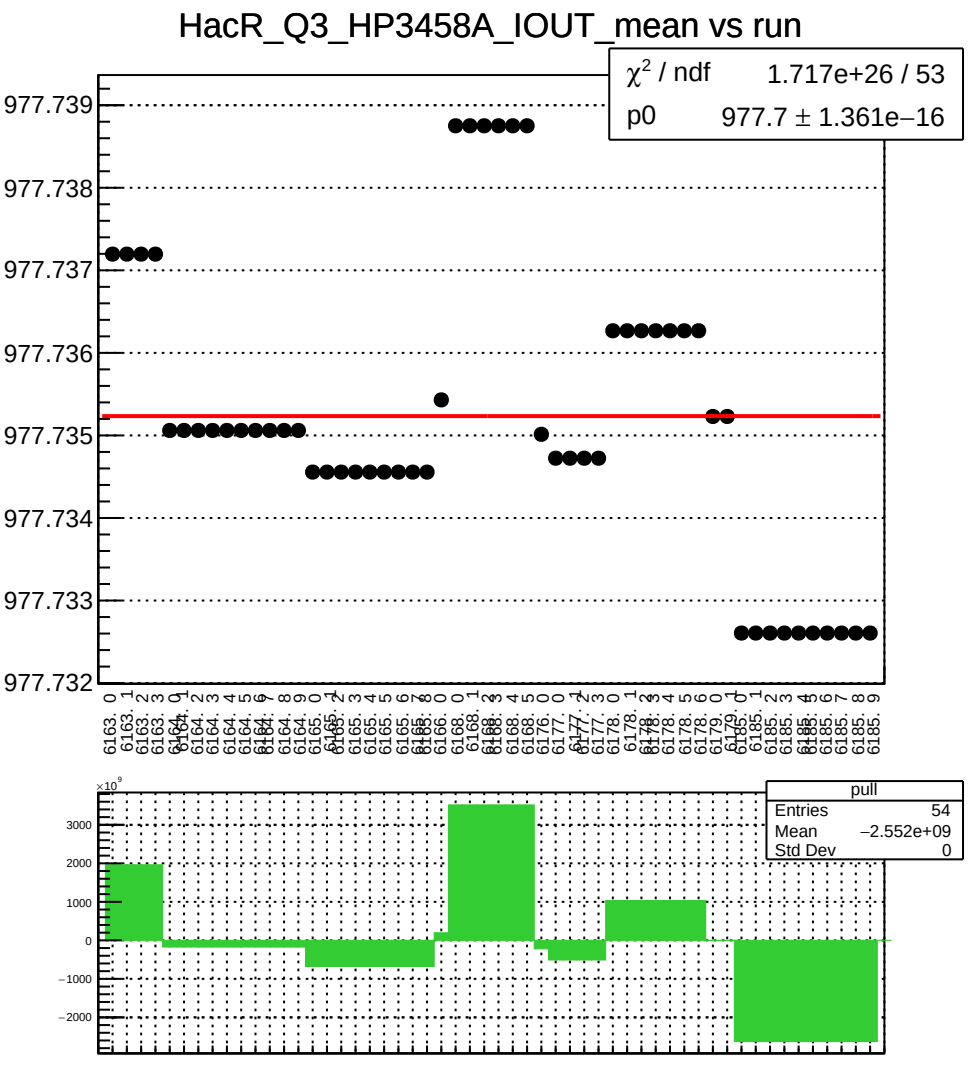

pull1D
Entries 54
Mean 0
Std Dev 0

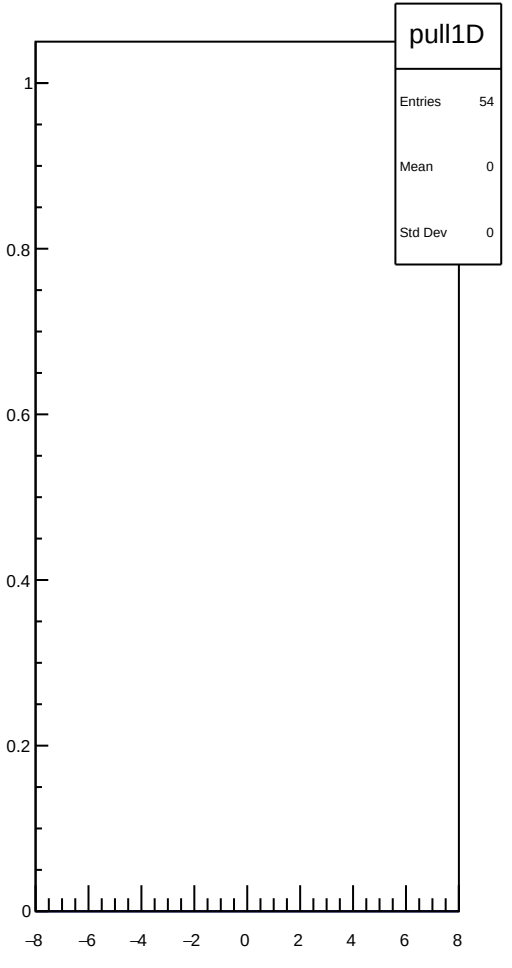

HacR_Q2_HP3458A_IOUT_mean vs run
χ² / ndf 2.639e+26 / 53
p0 924.9 ± 1.361e−16
924.948
924.946
924.944
924.942
924.94
pull
Entries 54
Mean −1.514e+09
Std Dev 0
×10⁹
5000
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000

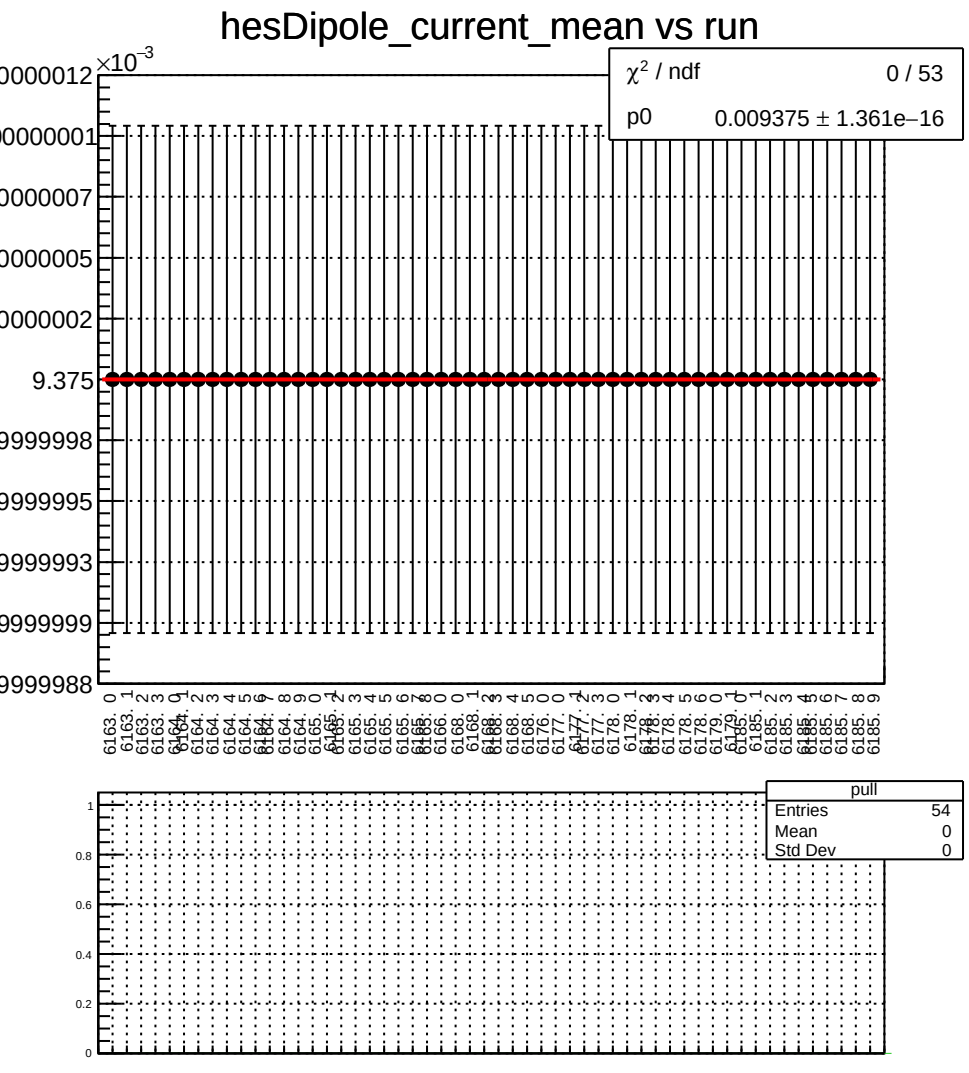

pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

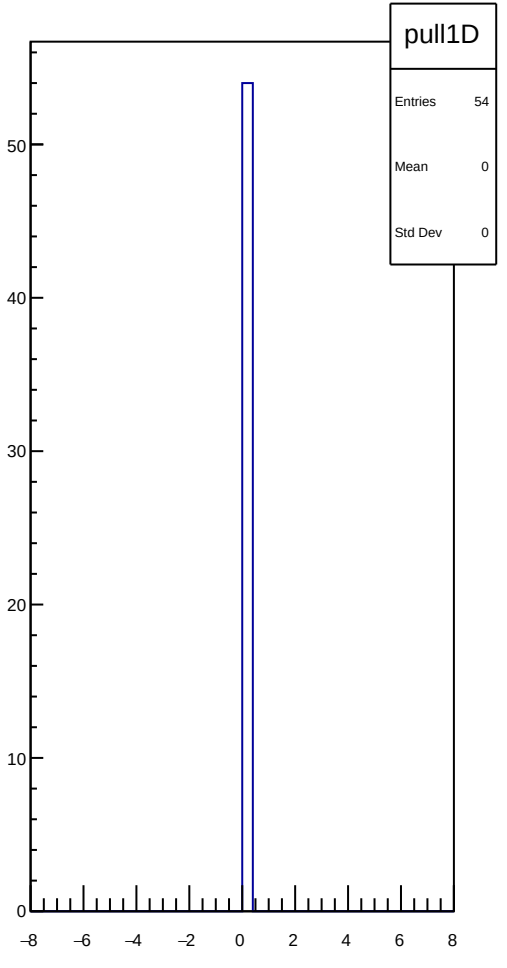

HacR_D1_HP3458A_IOUT_mean vs run
χ² / ndf 2.102e+25 / 53
p0 762.5 ± 1.361e−16
762.5034
762.5032
762.503
762.5028
762.5026
762.5024
762.5022
762.502
762.5018
762.5016
762.5014
pull
Entries 54
Mean −1.804e+08
Std Dev 0
×10⁹
1200
1000
800
600
400
200
0
−200
−400
−600

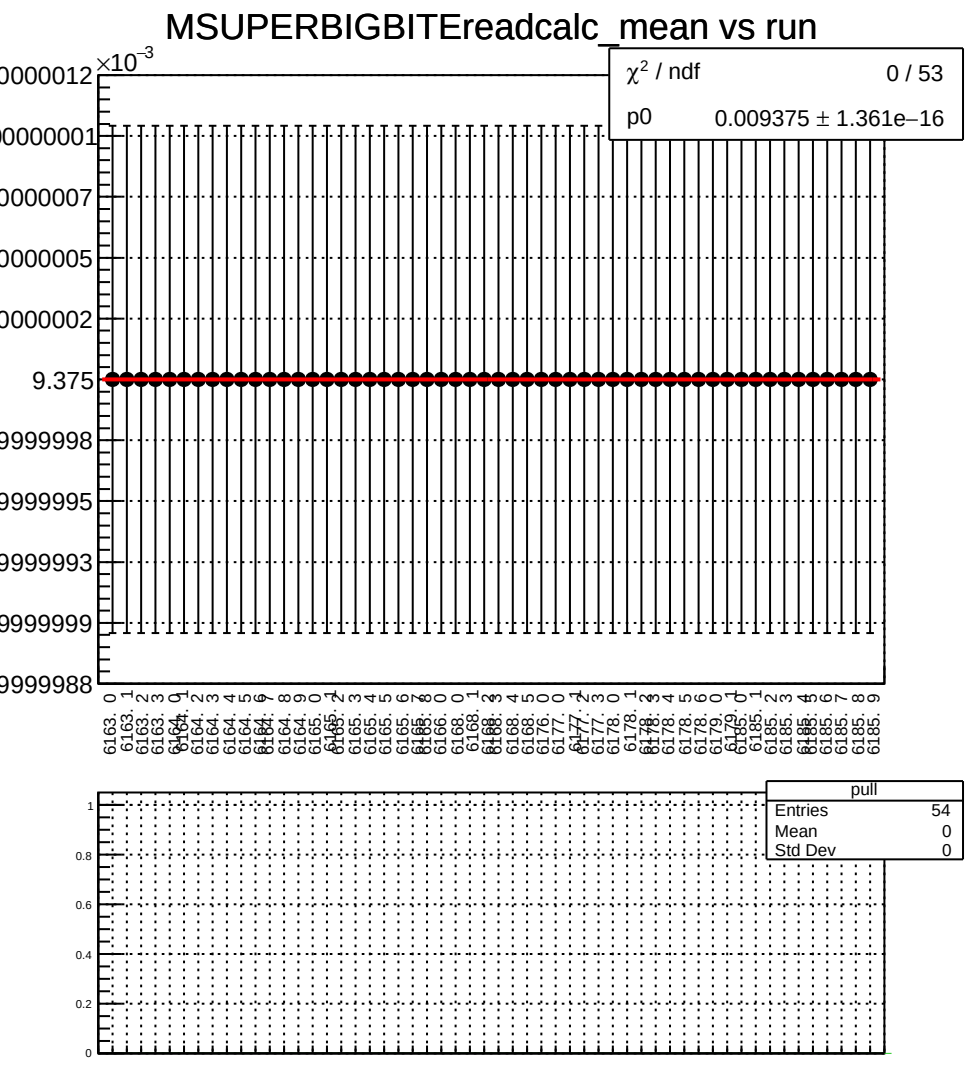

pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

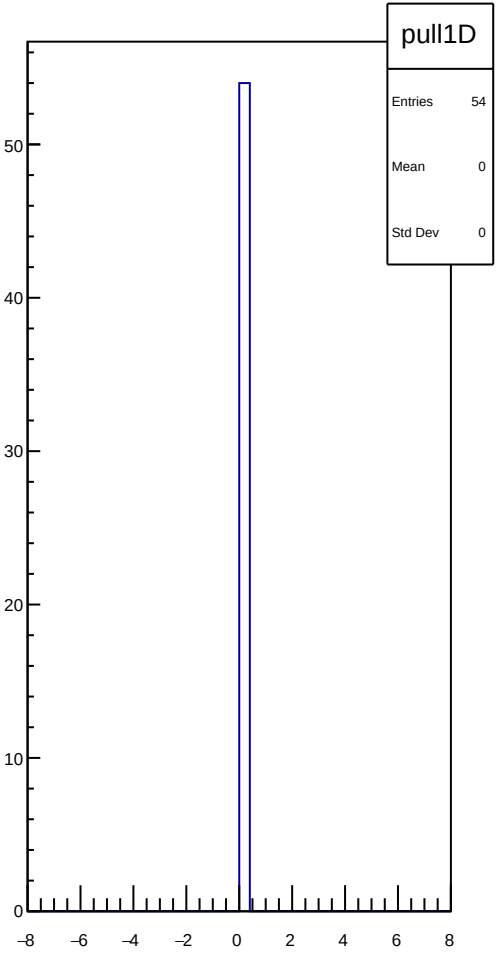

HacR_Q3_HP3458A_IOUT_mean vs run
χ² / ndf 1.717e+26 / 53
p0 977.7 ± 1.361e−16
977.739
977.738
977.737
977.736
977.735
977.734
977.733
977.732
pull
Entries 54
Mean −2.552e+09
Std Dev 0
×10⁹
3000
2000
1000
0
−1000
−2000

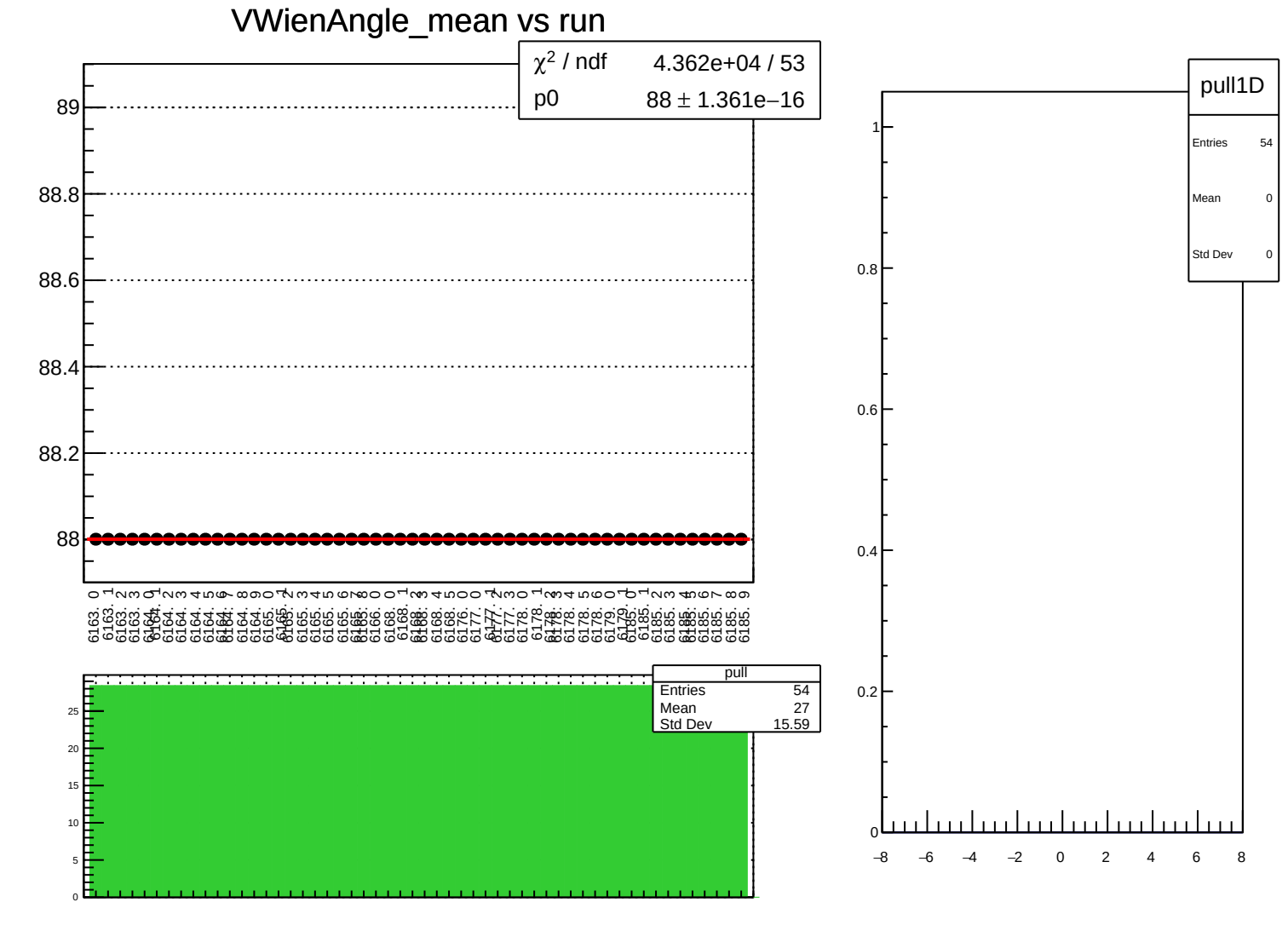

pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

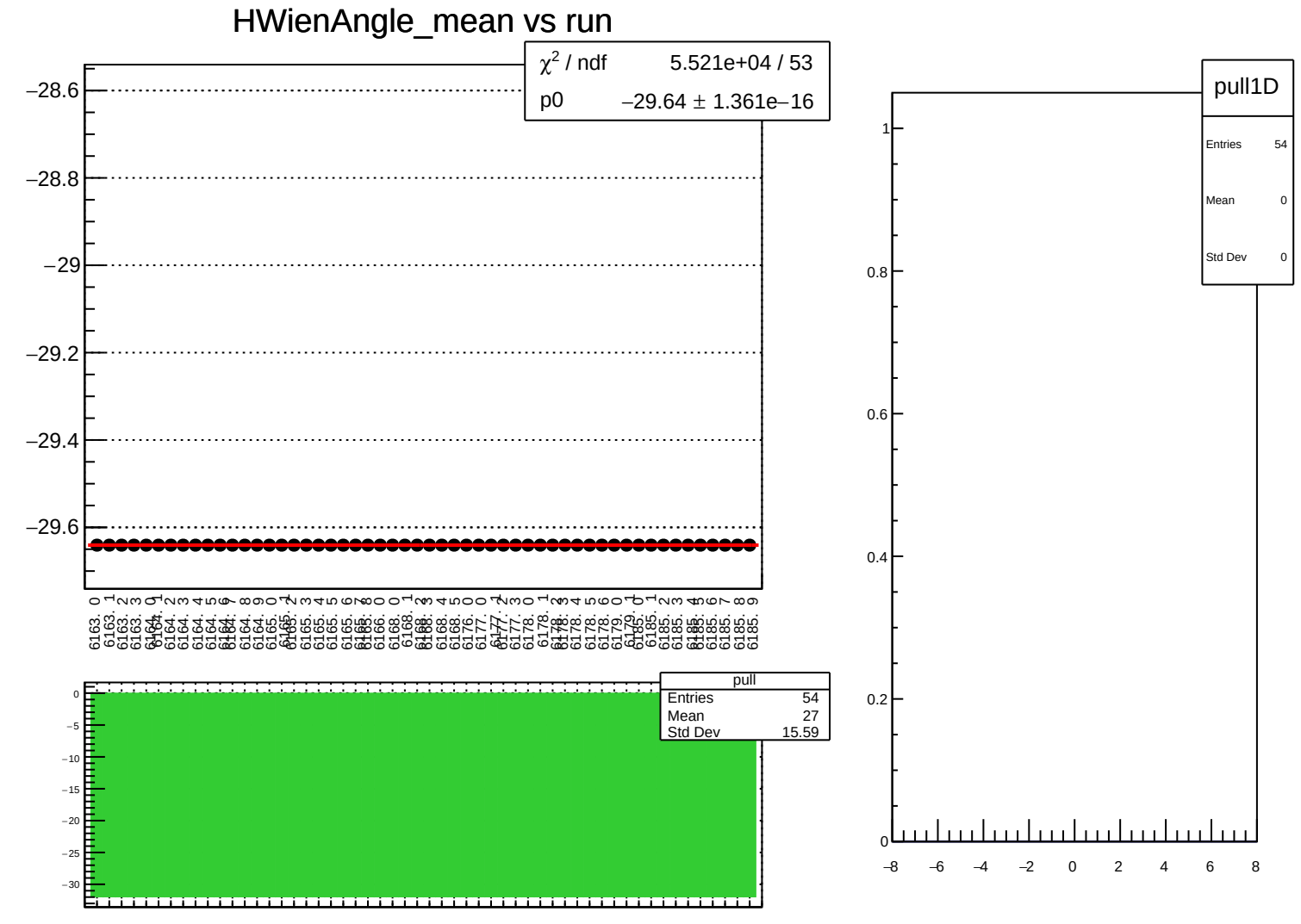

hesDipole_current_mean vs run
×10⁻³
χ² / ndf 0 / 53
p0 0.009375 ± 1.361e−16
pull
Entries 54
Mean 0
Std Dev 0

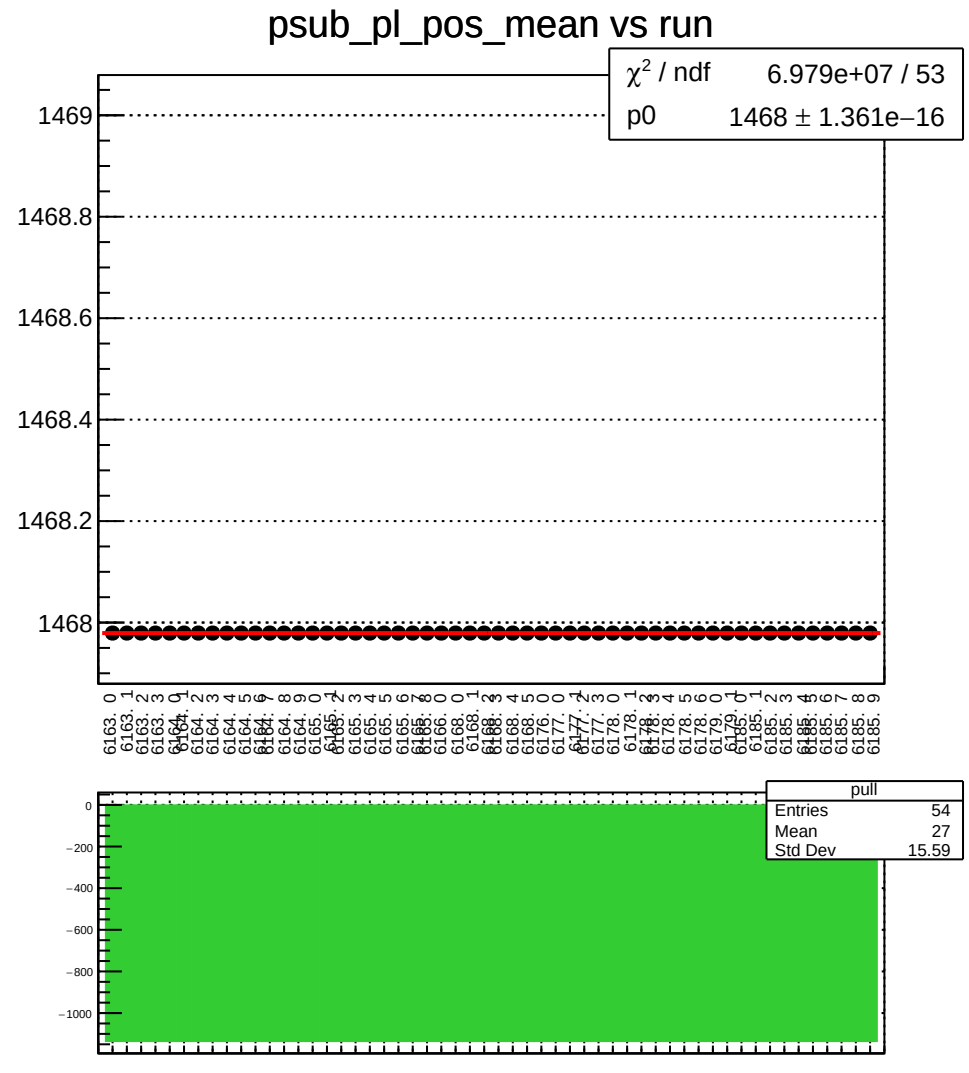

pull1D
Entries 54
Mean 0
Std Dev 0

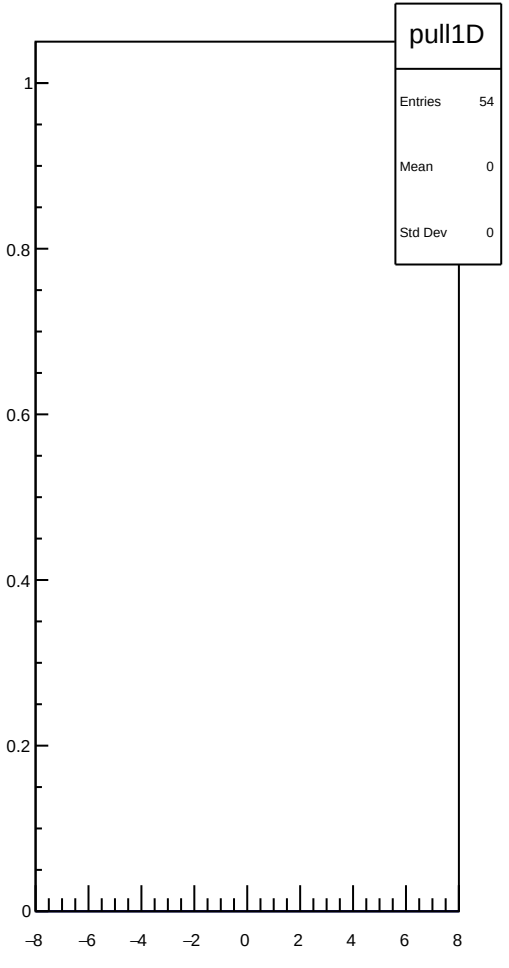

MSUPERBIGBITEreadcalc_mean vs run
χ² / ndf 0 / 53
p0 0.009375 ± 1.361e−16
×10⁻³
pull
Entries 54
Mean 0
Std Dev 0

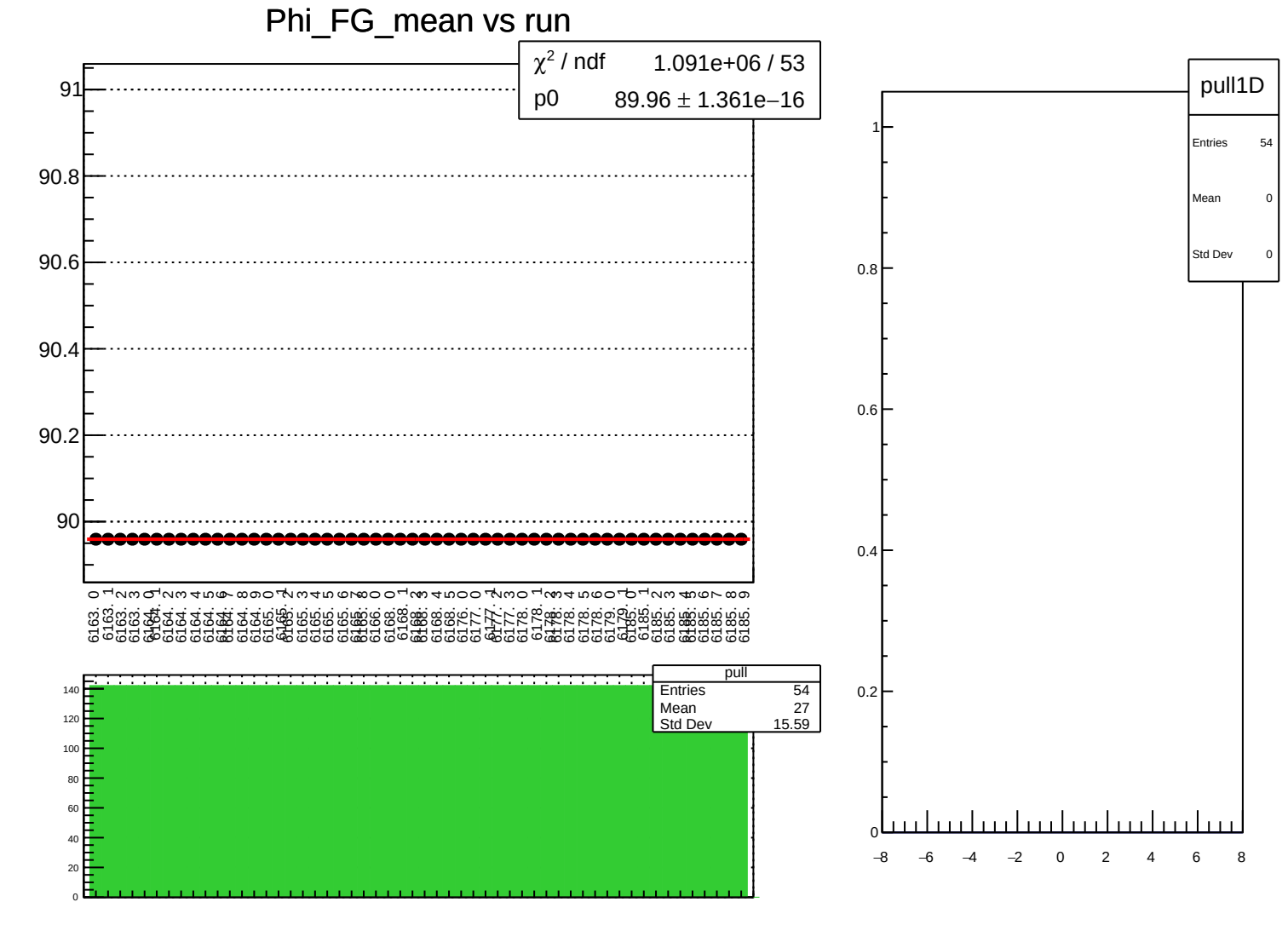

pull1D
Entries 54
Mean 0
Std Dev 0

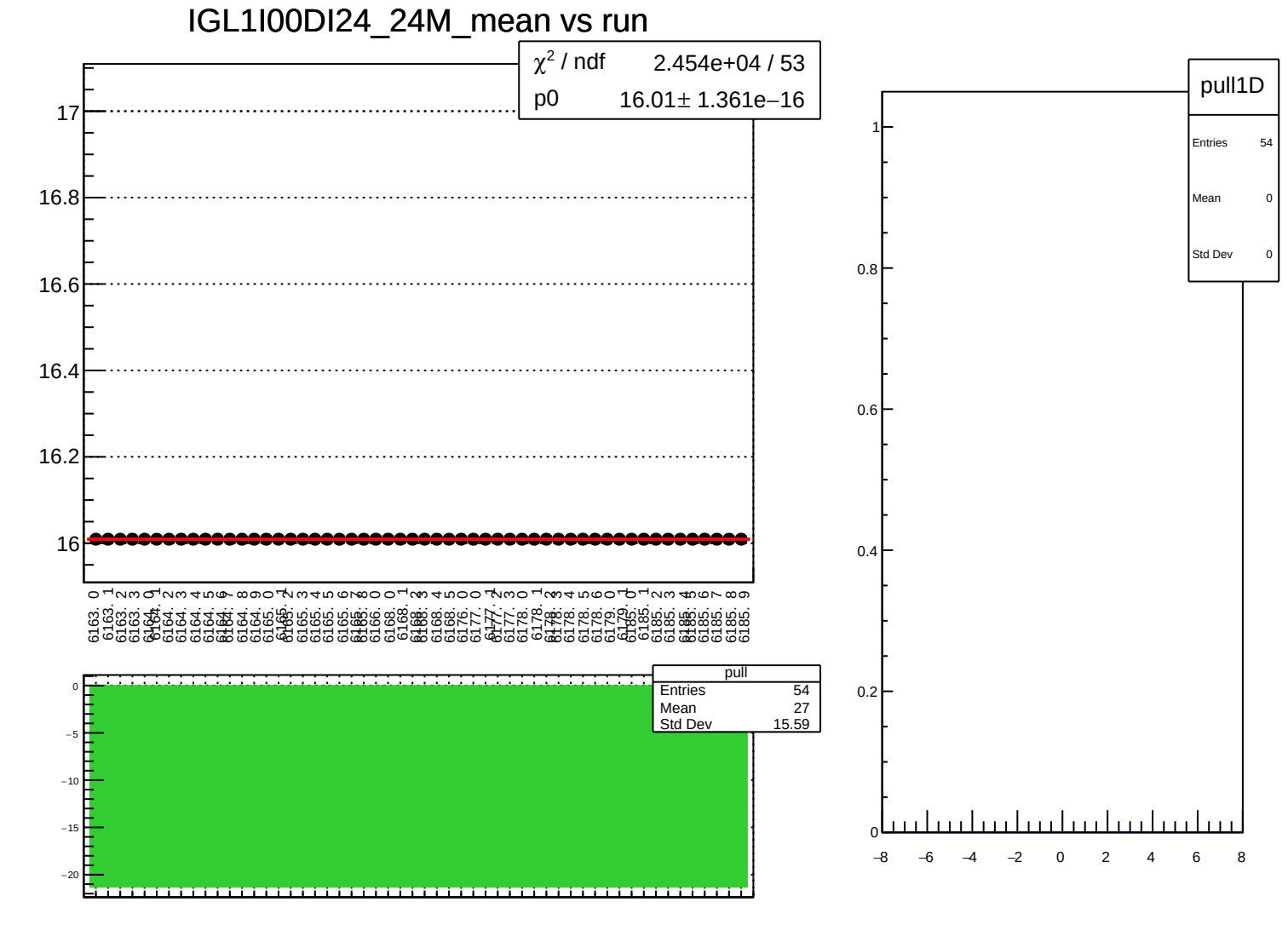

VWienAngle_mean vs run
χ² / ndf 4.362e+04 / 53
p0 88 ± 1.361e−16
89
88.8
88.6
88.4
88.2
88
pull
Entries 54
Mean 27
Std Dev 15.59
25
20
15
10
5
0
pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

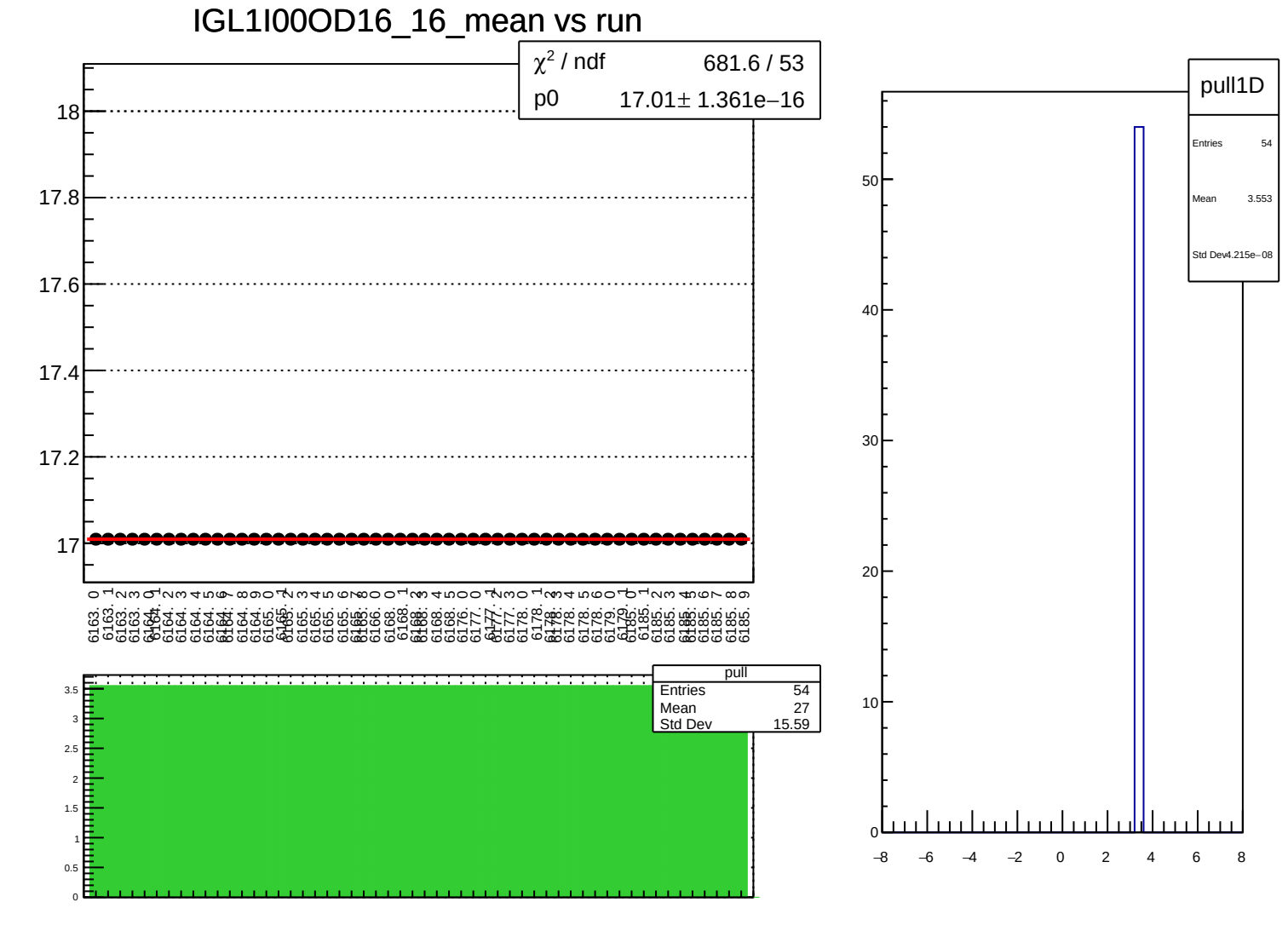

HWienAngle_mean vs run
χ² / ndf 5.521e+04 / 53
p0 −29.64 ± 1.361e−16
−28.6
−28.8
−29
−29.2
−29.4
−29.6
pull
Entries 54
Mean 27
Std Dev 15.59
pull1D
Entries 54
Mean 0
Std Dev 0

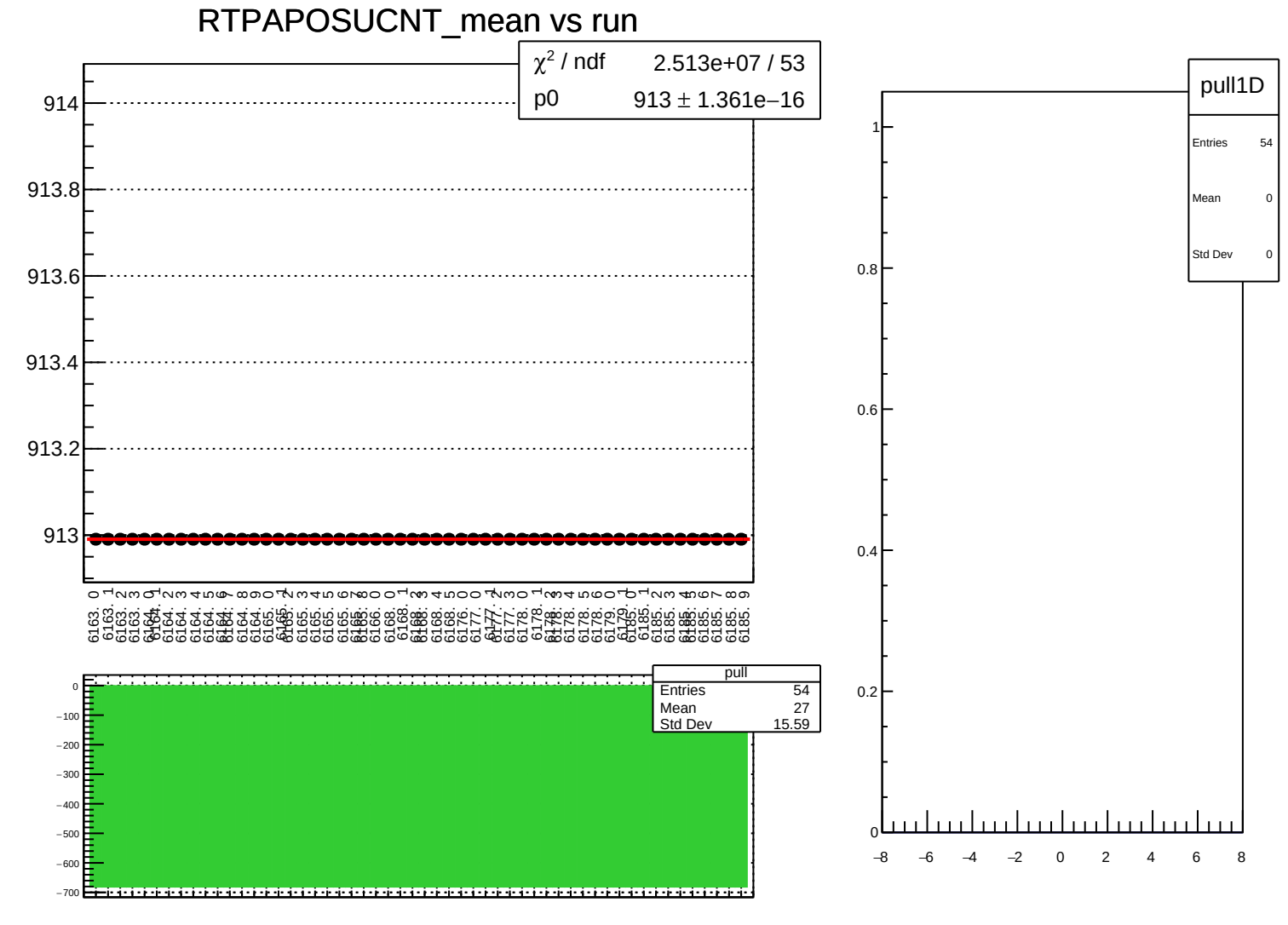

psub_pl_pos_mean vs run
χ² / ndf 6.979e+07 / 53
p0 1468 ± 1.361e−16
1469
1468.8
1468.6
1468.4
1468.2
1468
pull
Entries 54
Mean 27
Std Dev 15.59
0
−200
−400
−600
−800
−1000

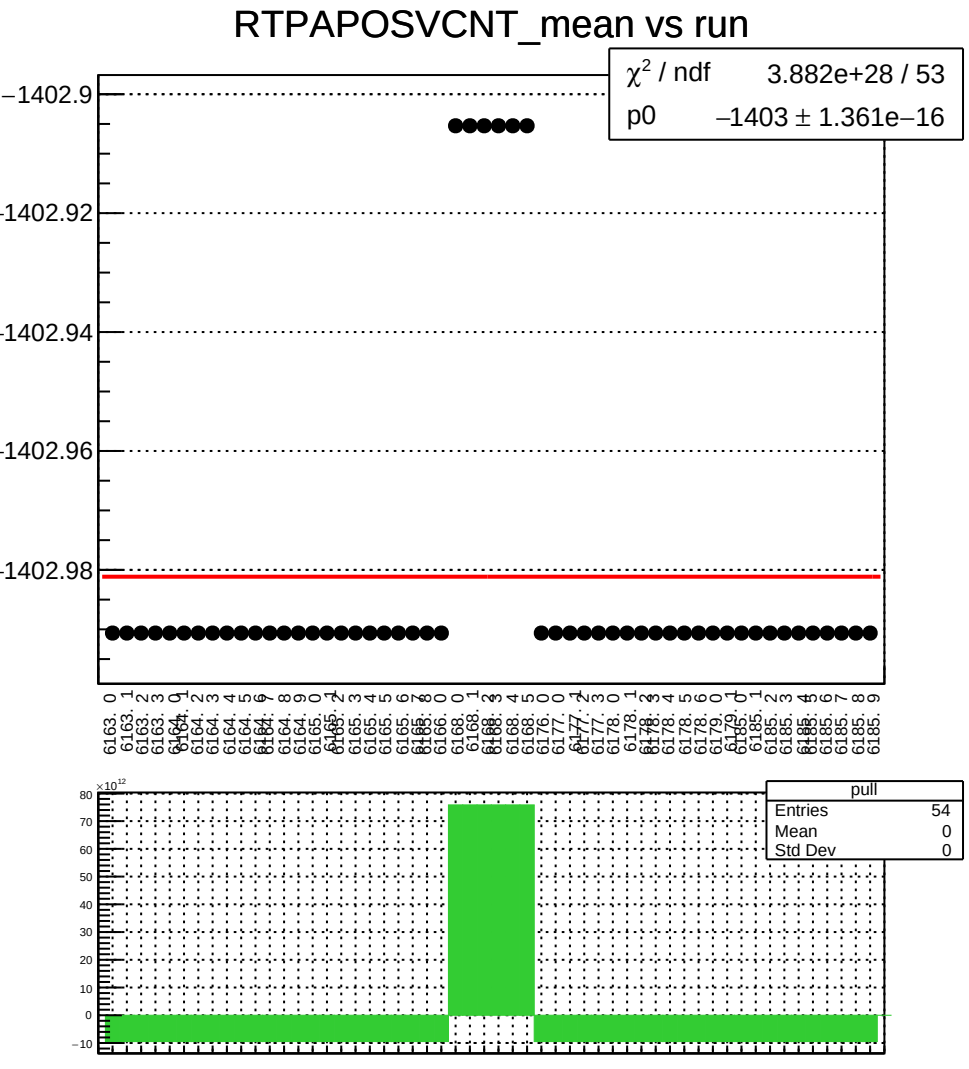

pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

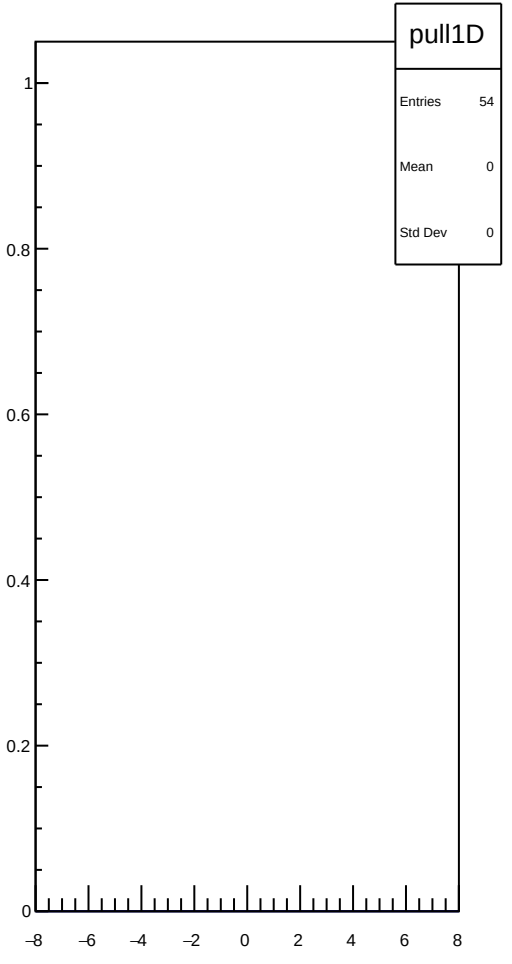

Phi_FG_mean vs run
χ² / ndf 1.091e+06 / 53
p0 89.96 ± 1.361e−16
91
90.8
90.6
90.4
90.2
90
pull
Entries 54
Mean 27
Std Dev 15.59
140
120
100
80
60
40
20
0
pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

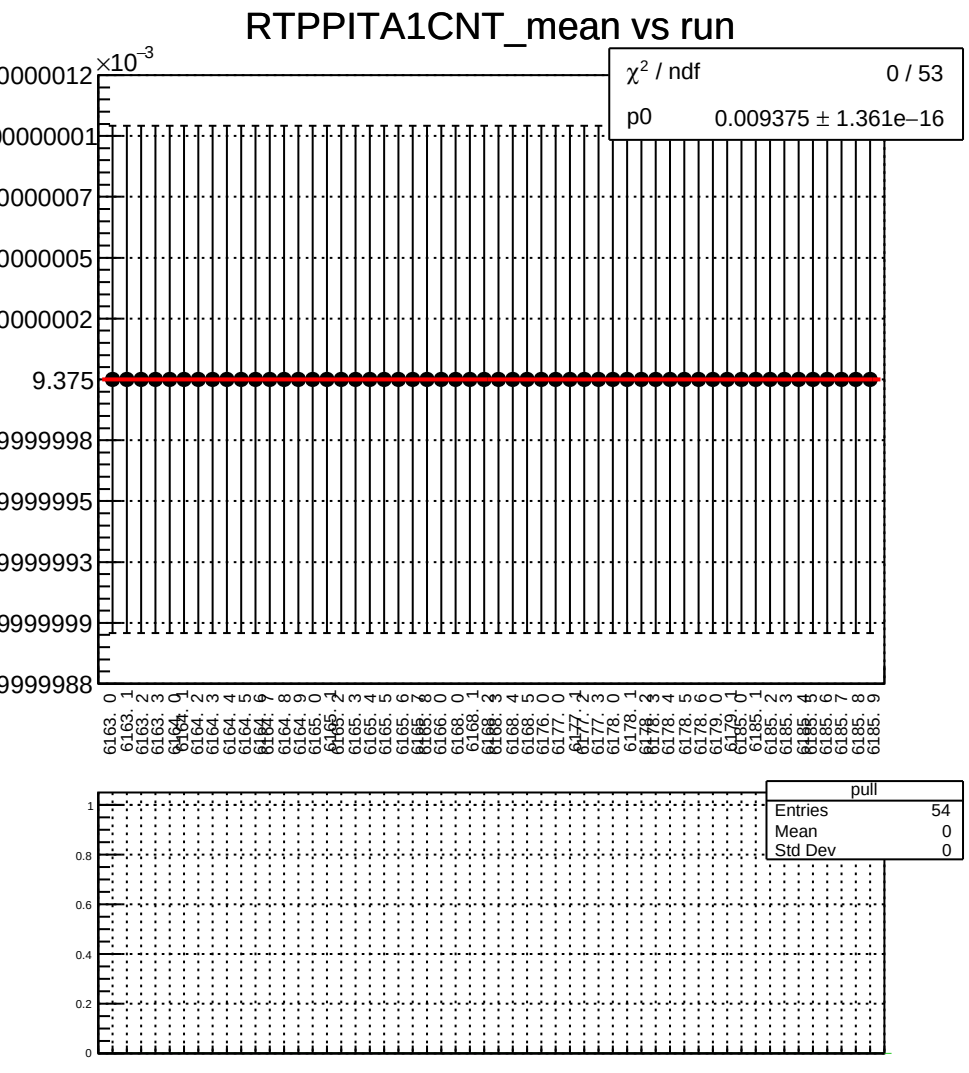

IGL1I00DI24_24M_mean vs run
χ² / ndf 2.454e+04 / 53
p0 16.01± 1.361e−16
17
16.8
16.6
16.4
16.2
16
pull
Entries 54
Mean 27
Std Dev 15.59
0
−5
−10
−15
−20
pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

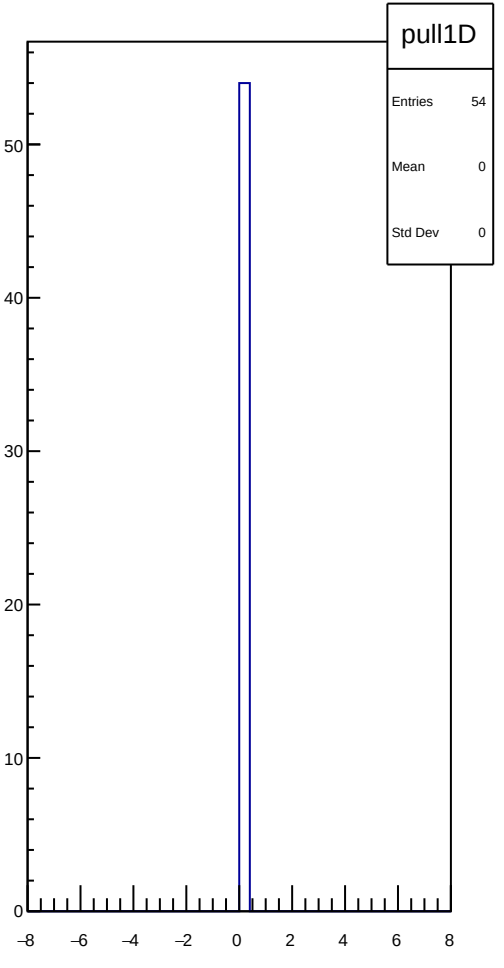

IGL1I00OD16_16_mean vs run
χ² / ndf 681.6 / 53
p0 17.01± 1.361e−16
18
17.8
17.6
17.4
17.2
17
pull
Entries 54
Mean 27
Std Dev 15.59
3.5
3
2.5
2
1.5
1
0.5
0
pull1D
Entries 54
Mean 3.553
Std Dev4.215e−08
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

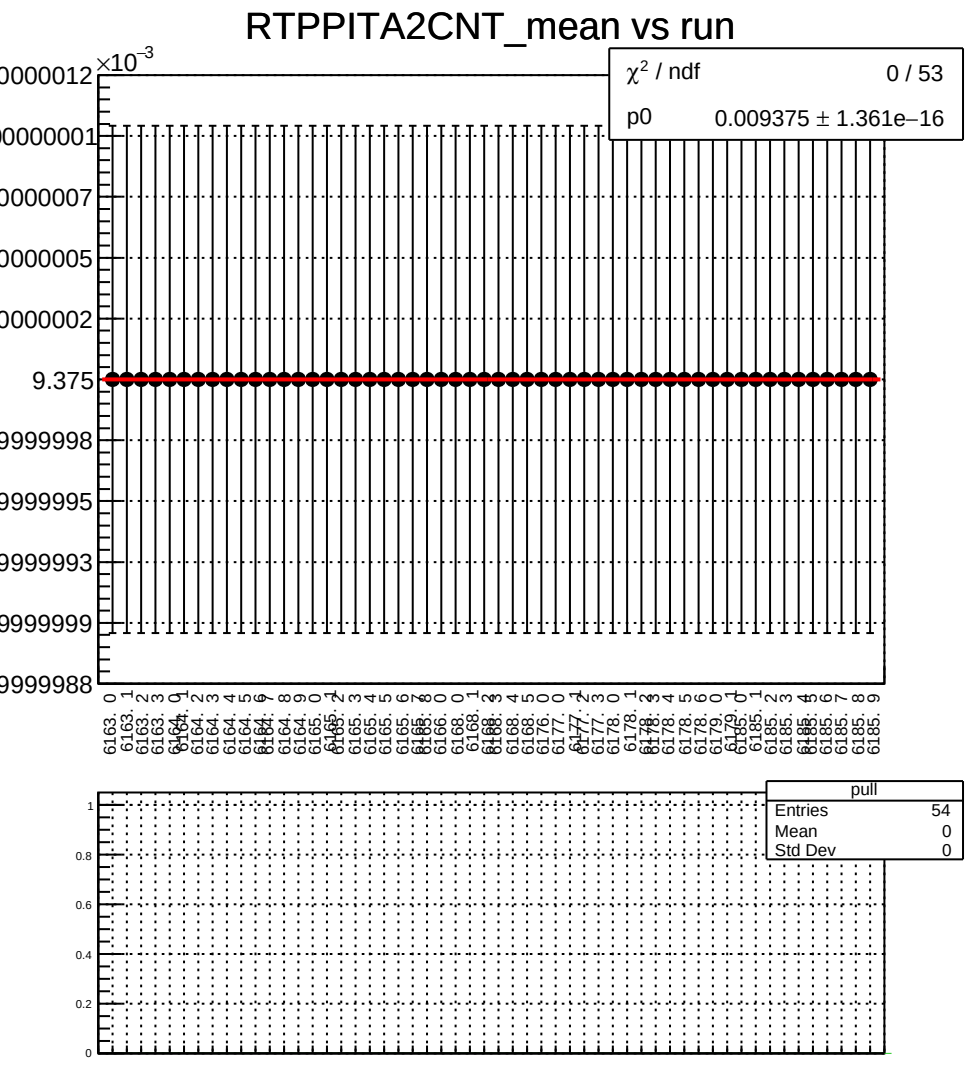

RTPAPOSUCNT_mean vs run
χ² / ndf 2.513e+07 / 53
p0 913 ± 1.361e−16
914
913.8
913.6
913.4
913.2
913
pull
Entries 54
Mean 27
Std Dev 15.59
0
−100
−200
−300
−400
−500
−600
−700
pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

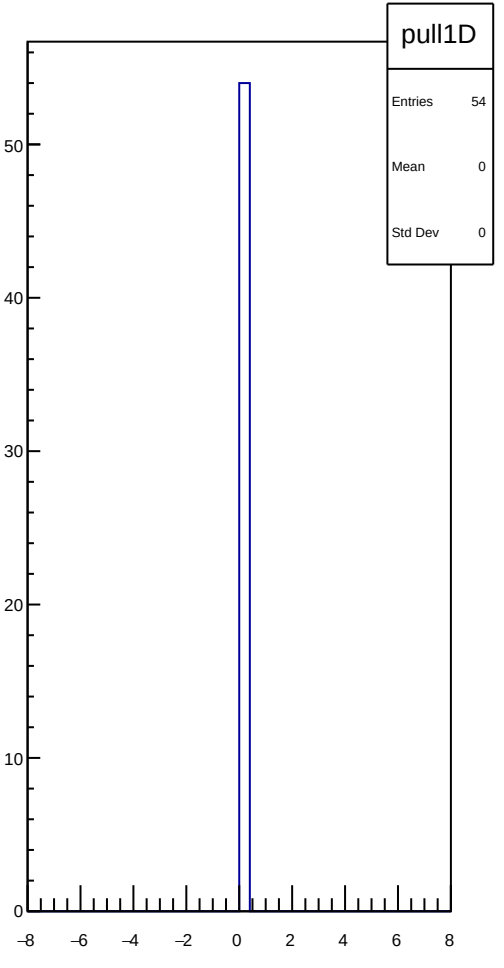

RTPAPOSVCNT_mean vs run
χ² / ndf 3.882e+28 / 53
p0 −1403 ± 1.361e−16
−1402.9
−1402.92
−1402.94
−1402.96
−1402.98
pull
Entries 54
Mean 0
Std Dev 0
×10¹²
80
70
60
50
40
30
20
10
0
−10


pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


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